

Release notes for ENDF/B-VII.1 decay sublibrary

December 20, 2011

## ERROR SUMMARY

**checkr** STYPE out of order: dec-090\_Th\_230.endf, dec-090\_Th\_232.endf, dec-091\_Pa\_231.endf, dec-092\_U\_232.endf, dec-092\_U\_234.endf, dec-092\_U\_235.endf, dec-092\_U\_236.endf, dec-092\_U\_238.endf, dec-094\_Pu\_236.endf, dec-094\_Pu\_238.endf, dec-094\_Pu\_239.endf, dec-094\_Pu\_240.endf, dec-094\_Pu\_244.endf, dec-095\_Am\_241.endf, dec-095\_Am\_243.endf, dec-096\_Cm\_242.endf, dec-096\_Cm\_244.endf, dec-096\_Cm\_246.endf, dec-096\_Cm\_248.endf, dec-098\_Cf\_249.endf, dec-098\_Cf\_250.endf

**fizcon** A discrete gamma energy is not energetically possible for the given Q value: dec-050\_Sn\_113.endf

**fizcon** A unknown parameter is outside of legal limits: dec-098\_Cf\_252.endf

**fizcon** All probability distributions should be normalized to 1, this one isn't.: dec-028\_Ni\_072.endf, dec-029\_Cu\_077.endf, dec-030\_Zn\_074.endf, dec-030\_Zn\_079.endf, dec-030\_Zn\_081.endf, dec-031\_Ga\_079.endf, dec-031\_Ga\_080.endf, dec-031\_Ga\_081.endf, dec-032\_Ge\_082.endf, dec-033\_As\_086.endf, dec-033\_As\_087.endf, dec-034\_Se\_087.endf, dec-034\_Se\_089.endf, dec-034\_Se\_091.endf, dec-035\_Br\_087.endf, dec-035\_Br\_088.endf, dec-035\_Br\_089.endf, dec-035\_Br\_090.endf, dec-035\_Br\_091.endf, dec-035\_Br\_092.endf, dec-036\_Kr\_095.endf, dec-036\_Kr\_096.endf, dec-037\_Rb\_091.endf, dec-037\_Rb\_092.endf, dec-037\_Rb\_094.endf, dec-037\_Rb\_095.endf, dec-037\_Rb\_097.endf, dec-037\_Rb\_099.endf, dec-037\_Rb\_100.endf, dec-038\_Sr\_097.endf, dec-038\_Sr\_098.endf, dec-038\_Sr\_099.endf, dec-038\_Sr\_105.endf, dec-039\_Y\_105.endf, dec-039\_Y\_108.endf, dec-040\_Zr\_098.endf, dec-040\_Zr\_104.endf, dec-040\_Zr\_105.endf, dec-040\_Zr\_108.endf, dec-041\_Nb\_104.endf, dec-041\_Nb\_107.endf, dec-041\_Nb\_109.endf, dec-042\_Mo\_109.endf, dec-042\_Mo\_113.endf, dec-042\_Mo\_114.endf, dec-043\_Tc\_109.endf, dec-043\_Tc\_110.endf, dec-043\_Tc\_111.endf, dec-043\_Tc\_113.endf, dec-043\_Tc\_114.endf, dec-043\_Tc\_116.endf, dec-044\_Ru\_111.endf, dec-044\_Ru\_115.endf, dec-044\_Ru\_119.endf, dec-044\_Ru\_120.endf, dec-045\_Rh\_116.endf, dec-045\_Rh\_117.endf, dec-045\_Rh\_119.endf, dec-045\_Rh\_120.endf, dec-046\_Pd\_115.endf, dec-046\_Pd\_117.endf, dec-047\_Ag\_120.endf, dec-047\_Ag\_122.endf, dec-047\_Ag\_124.endf, dec-048\_Cd\_124.endf, dec-049\_In\_129.endf, dec-049\_In\_131m2.endf, dec-050\_Sn\_131.endf, dec-050\_Sn\_133.endf, dec-050\_Sn\_134.endf, dec-050\_Sn\_135.endf, dec-051\_Sb\_135.endf, dec-052\_Te\_136.endf, dec-052\_Te\_137.endf, dec-053\_I\_138.endf, dec-053\_I\_139.endf, dec-053\_I\_140.endf, dec-053\_I\_141.endf, dec-053\_I\_142.endf, dec-053\_I\_143.endf, dec-053\_I\_145.endf, dec-054\_Xe\_141.endf, dec-054\_Xe\_142.endf, dec-055\_Cs\_141.endf, dec-055\_Cs\_142.endf, dec-055\_Cs\_145.endf, dec-055\_Cs\_147.endf, dec-055\_Cs\_150.endf, dec-056\_Ba\_144.endf, dec-056\_Ba\_147.endf, dec-056\_Ba\_149.endf, dec-056\_Ba\_150.endf, dec-056\_Ba\_151.endf, dec-056\_Ba\_153.endf, dec-057\_La\_147.endf, dec-057\_La\_148.endf, dec-057\_La\_152.endf, dec-058\_Ce\_148.endf, dec-058\_Ce\_149.endf, dec-058\_Ce\_150.endf, dec-058\_Ce\_156.endf, dec-059\_Pr\_156.endf, dec-059\_Pr\_157.endf, dec-059\_Pr\_158.endf, dec-060\_Nd\_155.endf, dec-060\_Nd\_156.endf, dec-060\_Nd\_160.endf, dec-060\_Nd\_161.endf, dec-061\_Pm\_155.endf, dec-062\_Sm\_158.endf, dec-062\_Sm\_160.endf, dec-062\_Sm\_161.endf, dec-062\_Sm\_162.endf, dec-063\_Eu\_161.endf, dec-063\_Eu\_162.endf, dec-063\_Eu\_163.endf, dec-063\_Eu\_164.endf, dec-063\_Eu\_165.endf, dec-064\_Gd\_163.endf, dec-064\_Gd\_164.endf, dec-064\_Gd\_165.endf

**fizcon** At least one gamma ray needed for given source mode: dec-077\_Ir\_166.endf, dec-084\_Po\_191m1.endf, dec-087\_Fr\_218m1.endf, dec-089\_Ac\_221.endf, dec-091\_Pa\_218.endf, dec-091\_Pa\_223.endf, dec-091\_Pa\_225.endf, dec-093\_Np\_226.endf, dec-102\_No\_257.endf

**fizcon** Beta spectrum integral too small: dec-002\_He\_008.endf, dec-005\_B\_012.endf, dec-007\_N\_012.endf, dec-019\_K\_048.endf, dec-023\_V\_047.endf, dec-029\_Cu\_068.endf, dec-029\_Cu\_072.endf, dec-032\_Ge\_069.endf, dec-035\_Br\_077.endf, dec-035\_Br\_080.endf, dec-038\_Sr\_080.endf, dec-038\_Sr\_085m1.endf, dec-039\_Y\_085m1.endf, dec-039\_Y\_098.endf, dec-041\_Nb\_100.endf, dec-044\_Ru\_094.endf, dec-045\_Rh\_097m1.endf, dec-045\_Rh\_100.endf, dec-045\_Rh\_104.endf, dec-046\_Pd\_099.endf, dec-047\_Ag\_114.endf, dec-047\_Ag\_120m1.endf, dec-048\_Cd\_102.endf, dec-048\_Cd\_107.endf, dec-049\_In\_116.endf, dec-049\_In\_128m1.endf, dec-050\_Sn\_106.endf, dec-050\_Sn\_108.endf, dec-051\_Sb\_118m1.endf, dec-052\_Te\_117.endf, dec-052\_Te\_119m1.endf, dec-053\_I\_128.endf, dec-056\_Ba\_124.endf, dec-057\_La\_135.endf, dec-058\_Ce\_137.endf, dec-059\_Pr\_128.endf, dec-059\_Pr\_150.endf, dec-060\_Nd\_139m1.endf, dec-064\_Gd\_144.endf, dec-065\_Tb\_142.endf, dec-065\_Tb\_147m1.endf, dec-065\_Tb\_148m1.endf, dec-065\_Tb\_151m1.endf, dec-066\_Dy\_150.endf, dec-067\_Ho\_157.endf, dec-067\_Ho\_159.endf, dec-067\_Ho\_170m1.endf, dec-068\_Er\_163.endf, dec-069\_Tm\_164.endf, dec-070\_Yb\_162.endf, dec-070\_Yb\_165.endf, dec-070\_Yb\_167.endf, dec-075\_Re\_180.endf, dec-078\_Pt\_184.endf, dec-080\_Hg\_190.endf, dec-082\_Pb\_194.endf, dec-082\_Pb\_196.endf, dec-093\_Np\_232.endf

**fizcon** Energies released in decay not adding up!: dec-002\_He\_006.endf, dec-003\_Li\_008.endf, dec-003\_Li\_009.endf, dec-004\_Be\_010.endf, dec-004\_Be\_012.endf, dec-006\_C\_010.endf, dec-007\_N\_013.endf, dec-007\_N\_016.endf, dec-007\_N\_017.endf, dec-008\_O\_014.endf, dec-008\_O\_015.endf, dec-008\_O\_020.endf, dec-009\_F\_020.endf, dec-009\_F\_022.endf, dec-010\_Ne\_019.endf, dec-010\_Ne\_023.endf, dec-010\_Ne\_026.endf, dec-011\_Na\_021.endf, dec-011\_Na\_024.endf, dec-011\_Na\_025.endf, dec-011\_Na\_026.endf, dec-013\_Al\_025.endf, dec-013\_Al\_026m1.endf, dec-013\_Al\_028.endf, dec-014\_Si\_027.endf, dec-014\_Si\_032.endf, dec-015\_P\_028.endf, dec-015\_P\_029.endf, dec-015\_P\_030.endf, dec-015\_P\_032.endf, dec-015\_P\_035.endf, dec-016\_S\_031.endf, dec-017\_Cl\_033.endf, dec-017\_Cl\_034.endf, dec-017\_Cl\_036.endf, dec-018\_Ar\_035.endf, dec-018\_Ar\_037.endf, dec-018\_Ar\_041.endf, dec-019\_K\_035.endf, dec-019\_K\_036.endf, dec-019\_K\_038.endf, dec-019\_K\_038m1.endf, dec-019\_K\_040.endf, dec-019\_K\_042.endf, dec-020\_Ca\_039.endf, dec-020\_Ca\_049.endf, dec-021\_Sc\_041.endf, dec-021\_Sc\_042.endf, dec-021\_Sc\_049.endf, dec-021\_Sc\_050m1.endf, dec-023\_V\_046.endf, dec-023\_V\_048.endf, dec-023\_V\_052.endf, dec-024\_Cr\_046.endf, dec-024\_Cr\_055.endf, dec-024\_Cr\_056.endf, dec-025\_Mn\_050.endf, dec-025\_Mn\_051.endf, dec-025\_Mn\_068.endf, dec-027\_Co\_054.endf, dec-027\_Co\_072.endf, dec-027\_Co\_073.endf, dec-027\_Co\_074.endf, dec-027\_Co\_075.endf, dec-028\_Ni\_063.endf, dec-028\_Ni\_073.endf, dec-028\_Ni\_074.endf, dec-028\_Ni\_075.endf, dec-028\_Ni\_076.endf, dec-028\_Ni\_077.endf, dec-028\_Ni\_078.endf, dec-029\_Cu\_062.endf, dec-029\_Cu\_066.endf, dec-029\_Cu\_073.endf, dec-029\_Cu\_074.endf, dec-029\_Cu\_075.endf, dec-029\_Cu\_076.endf, dec-029\_Cu\_078.endf, dec-029\_Cu\_079.endf, dec-029\_Cu\_080.endf, dec-029\_Cu\_081.endf, dec-030\_Zn\_065.endf, dec-030\_Zn\_069.endf, dec-030\_Zn\_080.endf, dec-030\_Zn\_082.endf, dec-030\_Zn\_083.endf, dec-031\_Ga\_070.endf, dec-031\_Ga\_077.endf, dec-031\_Ga\_082.endf, dec-031\_Ga\_083.endf, dec-031\_Ga\_084.endf, dec-031\_Ga\_085.endf, dec-031\_Ga\_086.endf, dec-032\_Ge\_083.endf, dec-032\_Ge\_084.endf, dec-032\_Ge\_085.endf, dec-032\_Ge\_086.endf, dec-032\_Ge\_087.endf, dec-032\_Ge\_088.endf, dec-032\_Ge\_089.endf, dec-033\_As\_079.endf, dec-033\_As\_083.endf, dec-033\_As\_084.endf, dec-033\_As\_085.endf, dec-033\_As\_088.endf, dec-033\_As\_089.endf, dec-033\_As\_090.endf, dec-033\_As\_091.endf, dec-033\_As\_092.endf, dec-034\_Se\_079.endf, dec-034\_Se\_081.endf, dec-034\_Se\_088.endf, dec-034\_Se\_090.endf, dec-034\_Se\_092.endf, dec-035\_Br\_084m1.endf, dec-035\_Br\_093.endf, dec-035\_Br\_094.endf, dec-035\_Br\_095.endf, dec-035\_Br\_096.endf, dec-035\_Br\_097.endf,

dec-036\_Kr\_092.endf, dec-036\_Kr\_093.endf, dec-036\_Kr\_094.endf, dec-036\_Kr\_097.endf,  
dec-036\_Kr\_098.endf, dec-036\_Kr\_099.endf, dec-036\_Kr\_100.endf, dec-037\_Rb\_074.endf,  
dec-037\_Rb\_086.endf, dec-037\_Rb\_090.endf, dec-037\_Rb\_090m1.endf, dec-037\_Rb\_093.endf,  
dec-037\_Rb\_096.endf, dec-037\_Rb\_098.endf, dec-037\_Rb\_101.endf, dec-037\_Rb\_102.endf,  
dec-038\_Sr\_089.endf, dec-038\_Sr\_093.endf, dec-038\_Sr\_095.endf, dec-038\_Sr\_096.endf,  
dec-038\_Sr\_100.endf, dec-038\_Sr\_101.endf, dec-038\_Sr\_102.endf, dec-038\_Sr\_103.endf,  
dec-038\_Sr\_104.endf, dec-039\_Y\_090.endf, dec-039\_Y\_095.endf, dec-039\_Y\_097.endf,  
dec-039\_Y\_097m1.endf, dec-039\_Y\_098m1.endf, dec-039\_Y\_099.endf, dec-039\_Y\_100.endf,  
dec-039\_Y\_101.endf, dec-039\_Y\_102.endf, dec-039\_Y\_102m1.endf, dec-039\_Y\_103.endf,  
dec-039\_Y\_104.endf, dec-039\_Y\_106.endf, dec-039\_Y\_107.endf, dec-040\_Zr\_103.endf,  
dec-040\_Zr\_106.endf, dec-040\_Zr\_107.endf, dec-040\_Zr\_109.endf, dec-040\_Zr\_110.endf,  
dec-041\_Nb\_087.endf, dec-041\_Nb\_087m1.endf, dec-041\_Nb\_088m1.endf, dec-041\_Nb\_090.endf,  
dec-041\_Nb\_094.endf, dec-041\_Nb\_097.endf, dec-041\_Nb\_103.endf, dec-041\_Nb\_104m1.endf,  
dec-041\_Nb\_105.endf, dec-041\_Nb\_106.endf, dec-041\_Nb\_108.endf, dec-041\_Nb\_110.endf,  
dec-041\_Nb\_111.endf, dec-041\_Nb\_112.endf, dec-041\_Nb\_113.endf, dec-042\_Mo\_105.endf,  
dec-042\_Mo\_106.endf, dec-042\_Mo\_107.endf, dec-042\_Mo\_108.endf, dec-042\_Mo\_111.endf,  
dec-042\_Mo\_112.endf, dec-042\_Mo\_115.endf, dec-043\_Tc\_092.endf, dec-043\_Tc\_099.endf,  
dec-043\_Tc\_100.endf, dec-043\_Tc\_104.endf, dec-043\_Tc\_105.endf, dec-043\_Tc\_106.endf,  
dec-043\_Tc\_107.endf, dec-043\_Tc\_108.endf, dec-043\_Tc\_112.endf, dec-043\_Tc\_115.endf,  
dec-043\_Tc\_117.endf, dec-043\_Tc\_118.endf, dec-044\_Ru\_112.endf, dec-044\_Ru\_114.endf,  
dec-044\_Ru\_116.endf, dec-044\_Ru\_117.endf, dec-044\_Ru\_118.endf, dec-045\_Rh\_112.endf,  
dec-045\_Rh\_113.endf, dec-045\_Rh\_114.endf, dec-045\_Rh\_115.endf, dec-045\_Rh\_118.endf,  
dec-045\_Rh\_121.endf, dec-045\_Rh\_122.endf, dec-045\_Rh\_123.endf, dec-046\_Pd\_109.endf,  
dec-046\_Pd\_119.endf, dec-046\_Pd\_120.endf, dec-046\_Pd\_121.endf, dec-046\_Pd\_122.endf,  
dec-046\_Pd\_123.endf, dec-046\_Pd\_124.endf, dec-046\_Pd\_125.endf, dec-046\_Pd\_126.endf,  
dec-047\_Ag\_095m3.endf, dec-047\_Ag\_110.endf, dec-047\_Ag\_117m1.endf, dec-047\_Ag\_118.endf,  
dec-047\_Ag\_118m1.endf, dec-047\_Ag\_122m1.endf, dec-047\_Ag\_123.endf, dec-047\_Ag\_125.endf,  
dec-047\_Ag\_126.endf, dec-047\_Ag\_127.endf, dec-047\_Ag\_128.endf, dec-047\_Ag\_129.endf,  
dec-047\_Ag\_130.endf, dec-048\_Cd\_126.endf, dec-048\_Cd\_127.endf, dec-048\_Cd\_128.endf,  
dec-048\_Cd\_129.endf, dec-048\_Cd\_130.endf, dec-048\_Cd\_131.endf, dec-048\_Cd\_132.endf,  
dec-049\_In\_114.endf, dec-049\_In\_122m2.endf, dec-049\_In\_127m1.endf, dec-049\_In\_128.endf,  
dec-049\_In\_129m1.endf, dec-049\_In\_130.endf, dec-049\_In\_130m1.endf, dec-049\_In\_130m2.endf,  
dec-049\_In\_131.endf, dec-049\_In\_131m1.endf, dec-049\_In\_132.endf, dec-049\_In\_133.endf,  
dec-049\_In\_133m1.endf, dec-049\_In\_134.endf, dec-049\_In\_135.endf, dec-050\_Sn\_123m1.endf,  
dec-050\_Sn\_136.endf, dec-050\_Sn\_137.endf, dec-051\_Sb\_112.endf, dec-051\_Sb\_130m1.endf,  
dec-051\_Sb\_134.endf, dec-051\_Sb\_134m1.endf, dec-051\_Sb\_136.endf, dec-051\_Sb\_137.endf,  
dec-051\_Sb\_138.endf, dec-051\_Sb\_139.endf, dec-052\_Te\_106.endf, dec-052\_Te\_115m1.endf,  
dec-052\_Te\_123.endf, dec-052\_Te\_133m1.endf, dec-052\_Te\_138.endf, dec-052\_Te\_139.endf,  
dec-052\_Te\_140.endf, dec-052\_Te\_141.endf, dec-052\_Te\_142.endf, dec-053\_I\_118.endf,  
dec-053\_I\_129.endf, dec-053\_I\_136m1.endf, dec-053\_I\_137.endf, dec-053\_I\_144.endf,  
dec-054\_Xe\_143.endf, dec-054\_Xe\_144.endf, dec-054\_Xe\_145.endf, dec-054\_Xe\_146.endf,  
dec-054\_Xe\_147.endf, dec-055\_Cs\_130.endf, dec-055\_Cs\_137.endf, dec-055\_Cs\_140.endf,  
dec-055\_Cs\_143.endf, dec-055\_Cs\_144.endf, dec-055\_Cs\_146.endf, dec-055\_Cs\_148.endf,  
dec-055\_Cs\_149.endf, dec-055\_Cs\_151.endf, dec-056\_Ba\_143.endf, dec-056\_Ba\_145.endf,  
dec-056\_Ba\_146.endf, dec-056\_Ba\_148.endf, dec-056\_Ba\_152.endf, dec-057\_La\_142.endf,  
dec-057\_La\_143.endf, dec-057\_La\_144.endf, dec-057\_La\_145.endf, dec-057\_La\_149.endf,

dec-057\_La\_150.endf, dec-057\_La\_151.endf, dec-057\_La\_153.endf, dec-057\_La\_154.endf,  
dec-057\_La\_155.endf, dec-058\_Ce\_145.endf, dec-058\_Ce\_146.endf, dec-058\_Ce\_147.endf,  
dec-058\_Ce\_151.endf, dec-058\_Ce\_152.endf, dec-058\_Ce\_153.endf, dec-058\_Ce\_154.endf,  
dec-058\_Ce\_155.endf, dec-058\_Ce\_157.endf, dec-059\_Pr\_144.endf, dec-059\_Pr\_146.endf,  
dec-059\_Pr\_147.endf, dec-059\_Pr\_148.endf, dec-059\_Pr\_148m1.endf, dec-059\_Pr\_149.endf,  
dec-059\_Pr\_151.endf, dec-059\_Pr\_153.endf, dec-059\_Pr\_154.endf, dec-059\_Pr\_155.endf,  
dec-059\_Pr\_159.endf, dec-060\_Nd\_144.endf, dec-060\_Nd\_149.endf, dec-060\_Nd\_151.endf,  
dec-060\_Nd\_153.endf, dec-060\_Nd\_154.endf, dec-060\_Nd\_157.endf, dec-060\_Nd\_158.endf,  
dec-060\_Nd\_159.endf, dec-061\_Pm\_134.endf, dec-061\_Pm\_140.endf, dec-061\_Pm\_142.endf,  
dec-061\_Pm\_145.endf, dec-061\_Pm\_152.endf, dec-061\_Pm\_153.endf, dec-061\_Pm\_154.endf,  
dec-061\_Pm\_156.endf, dec-061\_Pm\_157.endf, dec-061\_Pm\_158.endf, dec-061\_Pm\_159.endf,  
dec-061\_Pm\_160.endf, dec-061\_Pm\_161.endf, dec-061\_Pm\_162.endf, dec-062\_Sm\_146.endf,  
dec-062\_Sm\_147.endf, dec-062\_Sm\_148.endf, dec-062\_Sm\_157.endf, dec-062\_Sm\_159.endf,  
dec-062\_Sm\_163.endf, dec-062\_Sm\_164.endf, dec-062\_Sm\_165.endf, dec-063\_Eu\_142.endf,  
dec-063\_Eu\_147.endf, dec-063\_Eu\_148.endf, dec-063\_Eu\_154.endf, dec-063\_Eu\_158.endf,  
dec-063\_Eu\_159.endf, dec-064\_Gd\_141.endf, dec-064\_Gd\_148.endf, dec-064\_Gd\_150.endf,  
dec-064\_Gd\_151.endf, dec-064\_Gd\_152.endf, dec-064\_Gd\_161.endf, dec-065\_Tb\_149m1.endf,  
dec-065\_Tb\_151.endf, dec-065\_Tb\_152.endf, dec-065\_Tb\_156m1.endf, dec-065\_Tb\_157.endf,  
dec-066\_Dy\_148.endf, dec-066\_Dy\_151.endf, dec-066\_Dy\_152.endf, dec-066\_Dy\_153.endf,  
dec-066\_Dy\_154.endf, dec-066\_Dy\_155.endf, dec-067\_Ho\_150m1.endf, dec-067\_Ho\_153.endf,  
dec-067\_Ho\_162.endf, dec-067\_Ho\_162m1.endf, dec-067\_Ho\_163.endf, dec-068\_Er\_149m1.endf,  
dec-068\_Er\_151m1.endf, dec-068\_Er\_152.endf, dec-068\_Er\_153.endf, dec-068\_Er\_154.endf,  
dec-068\_Er\_161.endf, dec-069\_Tm\_163.endf, dec-069\_Tm\_165.endf, dec-069\_Tm\_168.endf,  
dec-070\_Yb\_164.endf, dec-070\_Yb\_169m1.endf, dec-071\_Lu\_168m1.endf, dec-071\_Lu\_169.endf,  
dec-071\_Lu\_172m1.endf, dec-072\_Hf\_156.endf, dec-072\_Hf\_174.endf, dec-072\_Hf\_180m1.endf,  
dec-073-Ta\_157m1.endf, dec-073-Ta\_157m2.endf, dec-073-Ta\_164.endf, dec-073-Ta\_182m1.endf,  
dec-074\_W\_158.endf, dec-074\_W\_166.endf, dec-074\_W\_179m1.endf, dec-076\_Os\_162.endf,  
dec-076\_Os\_183.endf, dec-076\_Os\_183m1.endf, dec-077\_Ir\_177.endf, dec-077\_Ir\_190m1.endf,  
dec-078\_Pt\_167.endf, dec-078\_Pt\_168.endf, dec-078\_Pt\_188.endf, dec-078\_Pt\_190.endf,  
dec-078\_Pt\_193.endf, dec-079\_Au\_175.endf, dec-079\_Au\_186.endf, dec-079\_Au\_198.endf,  
dec-080\_Hg\_173.endf, dec-080\_Hg\_174.endf, dec-080\_Hg\_175.endf, dec-080\_Hg\_186.endf,  
dec-080\_Hg\_188.endf, dec-080\_Hg\_195m1.endf, dec-081\_Tl\_179.endf, dec-081\_Tl\_204.endf,  
dec-081\_Tl\_206.endf, dec-082\_Pb\_202.endf, dec-082\_Pb\_205.endf, dec-082\_Pb\_210.endf,  
dec-083\_Bi\_188.endf, dec-083\_Bi\_196.endf, dec-083\_Bi\_196m2.endf, dec-083\_Bi\_210.endf,  
dec-083\_Bi\_210m1.endf, dec-083\_Bi\_211.endf, dec-083\_Bi\_212.endf, dec-083\_Bi\_213.endf,  
dec-084\_Po\_190.endf, dec-084\_Po\_192.endf, dec-084\_Po\_204.endf, dec-084\_Po\_205.endf,  
dec-084\_Po\_206.endf, dec-084\_Po\_207.endf, dec-084\_Po\_208.endf, dec-084\_Po\_210.endf,  
dec-084\_Po\_211.endf, dec-084\_Po\_211m1.endf, dec-084\_Po\_212.endf, dec-084\_Po\_212m1.endf,  
dec-084\_Po\_213.endf, dec-084\_Po\_214.endf, dec-084\_Po\_215.endf, dec-084\_Po\_216.endf,  
dec-084\_Po\_218.endf, dec-085\_At\_204.endf, dec-085\_At\_205.endf, dec-085\_At\_207.endf,  
dec-085\_At\_208.endf, dec-085\_At\_209.endf, dec-085\_At\_211.endf, dec-085\_At\_212.endf,  
dec-085\_At\_212m1.endf, dec-085\_At\_213.endf, dec-085\_At\_214.endf, dec-085\_At\_215.endf,  
dec-085\_At\_216.endf, dec-085\_At\_217.endf, dec-085\_At\_218.endf, dec-085\_At\_219.endf,  
dec-085\_At\_220.endf, dec-086\_Rn\_196.endf, dec-086\_Rn\_197.endf, dec-086\_Rn\_198.endf,  
dec-086\_Rn\_207.endf, dec-086\_Rn\_210.endf, dec-086\_Rn\_212.endf, dec-086\_Rn\_213.endf,  
dec-086\_Rn\_215.endf, dec-086\_Rn\_217.endf, dec-086\_Rn\_218.endf, dec-086\_Rn\_219.endf,

dec-086\_Rn\_220.endf, dec-086\_Rn\_222.endf, dec-087\_Fr\_201.endf, dec-087\_Fr\_208.endf,  
dec-087\_Fr\_214.endf, dec-087\_Fr\_214m1.endf, dec-087\_Fr\_215.endf, dec-087\_Fr\_216.endf,  
dec-087\_Fr\_217.endf, dec-087\_Fr\_219.endf, dec-087\_Fr\_220.endf, dec-087\_Fr\_221.endf,  
dec-087\_Fr\_223.endf, dec-087\_Fr\_229.endf, dec-088\_Ra\_203.endf, dec-088\_Ra\_214.endf,  
dec-088\_Ra\_215.endf, dec-088\_Ra\_217.endf, dec-088\_Ra\_220.endf, dec-088\_Ra\_222.endf,  
dec-088\_Ra\_223.endf, dec-088\_Ra\_224.endf, dec-088\_Ra\_226.endf, dec-089\_Ac\_207.endf,  
dec-089\_Ac\_208.endf, dec-089\_Ac\_209.endf, dec-089\_Ac\_211.endf, dec-089\_Ac\_213.endf,  
dec-089\_Ac\_215.endf, dec-089\_Ac\_216.endf, dec-089\_Ac\_216m1.endf, dec-089\_Ac\_217.endf,  
dec-089\_Ac\_218.endf, dec-089\_Ac\_219.endf, dec-089\_Ac\_220.endf, dec-089\_Ac\_222.endf,  
dec-089\_Ac\_226.endf, dec-090\_Th\_210.endf, dec-090\_Th\_213.endf, dec-090\_Th\_216.endf,  
dec-090\_Th\_217.endf, dec-090\_Th\_218.endf, dec-090\_Th\_219.endf, dec-090\_Th\_222.endf,  
dec-090\_Th\_223.endf, dec-090\_Th\_226.endf, dec-090\_Th\_227.endf, dec-090\_Th\_228.endf,  
dec-090\_Th\_229.endf, dec-090\_Th\_230.endf, dec-090\_Th\_232.endf, dec-091\_Pa\_217.endf,  
dec-091\_Pa\_219.endf, dec-091\_Pa\_224.endf, dec-091\_Pa\_228.endf, dec-091\_Pa\_231.endf,  
dec-091\_Pa\_234m1.endf, dec-092\_U\_219.endf, dec-092\_U\_223.endf, dec-092\_U\_230.endf,  
dec-092\_U\_232.endf, dec-092\_U\_233.endf, dec-092\_U\_234.endf, dec-092\_U\_235.endf,  
dec-092\_U\_235m1.endf, dec-092\_U\_236.endf, dec-092\_U\_238.endf, dec-093\_Np\_237.endf,  
dec-094\_Pu\_236.endf, dec-094\_Pu\_238.endf, dec-094\_Pu\_239.endf, dec-094\_Pu\_240.endf,  
dec-094\_Pu\_241.endf, dec-094\_Pu\_242.endf, dec-094\_Pu\_244.endf, dec-095\_Am\_237.endf,  
dec-095\_Am\_238.endf, dec-095\_Am\_241.endf, dec-095\_Am\_242m1.endf, dec-095\_Am\_243.endf,  
dec-096\_Cm\_240.endf, dec-096\_Cm\_242.endf, dec-096\_Cm\_244.endf, dec-096\_Cm\_245.endf,  
dec-096\_Cm\_246.endf, dec-096\_Cm\_247.endf, dec-096\_Cm\_248.endf, dec-097\_Bk\_249.endf,  
dec-098\_Cf\_246.endf, dec-098\_Cf\_248.endf, dec-098\_Cf\_249.endf, dec-098\_Cf\_250.endf,  
dec-098\_Cf\_251.endf, dec-098\_Cf\_252.endf, dec-099\_Es\_251.endf, dec-099\_Es\_253.endf,  
dec-099\_Es\_254.endf, dec-100\_Fm\_252.endf, dec-100\_Fm\_254.endf, dec-100\_Fm\_255.endf,  
dec-100\_Fm\_257.endf

- checkr Non-errors:

1. Element symbol not all in CAPITAL letters.

```
WARNING(S)      IN MAT=   1, MF= 1, MT=451
ZSYNAM SHOULD BE " 0-nn- 1" NOT " 0-Nn- 1" SEQUENCE NUMBER 5
```

- fizcon Non-errors:

1. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT=   1, MF= 1, MT=451
ZA SHOULD BE SET TO 1.01000E+02 SEQUENCE NUMBER 1
```

2. FIZCON apparently has a bug in its calculation of log(FT) values that causes it to have trouble with nearly stable nuclei

```
ERROR(S) FOUND IN MAT=   1, MF= 8, MT=457

ERROR CALCULATING BETA SPECTRUM INTEGRAL
FT VALUE TOO SMALL SEQUENCE NUMBER 8
FT= 0.00000E+00 E= 7.82347E+05 I=   1 SEQUENCE NUMBER 8
```

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=   2, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT=   2, MF= 1, MT=451
ZA SHOULD BE SET TO 1.02000E+02 SEQUENCE NUMBER 1
```

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 3, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
    WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5

```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 3, MF= 1, MT=451
    ZA SHOULD BE SET TO 1.03000E+02          SEQUENCE NUMBER 1

```

---

dec-001\_H\_003.endf

---

- **fizcon** Non-errors:

1. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 4, MF= 1, MT=451
    ZA SHOULD BE SET TO 1.04000E+02          SEQUENCE NUMBER 1

```

---

dec-001\_H\_004.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 5, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5

```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 5, MF= 1, MT=451
    ZA SHOULD BE SET TO 1.05000E+02          SEQUENCE NUMBER 1

```

---

dec-001\_H\_005.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 6, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5

```



- The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 6, MF= 1, MT=451
      ZA SHOULD BE SET TO 1.06000E+02                SEQUENCE NUMBER 1

```

---

dec-001\_H\_006.endf

---

- **fizcon** Non-errors:

- Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 7, MF= 8, MT=457
      NO DECAY SPECTRA GIVEN                        SEQUENCE NUMBER 5

```

- The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 7, MF= 1, MT=451
      ZA SHOULD BE SET TO 1.07000E+02                SEQUENCE NUMBER 1

```

---

dec-001\_H\_007.endf

---

- **fizcon** Non-errors:

- Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 8, MF= 8, MT=457
      NO DECAY SPECTRA GIVEN                        SEQUENCE NUMBER 5

```

- The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 8, MF= 1, MT=451
      ZA SHOULD BE SET TO 1.08000E+02                SEQUENCE NUMBER 1

```

---

dec-002\_He\_003.endf

---

- **fizcon** Non-errors:

- Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 9, MF= 8, MT=457
      BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00  SUM= 0.00000E+00          SEQUENCE NUMBER 4
      NO DECAY SPECTRA GIVEN                        SEQUENCE NUMBER 5

```

- The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT=  9, MF= 1, MT=451
      ZA SHOULD BE SET TO  1.09000E+02                SEQUENCE NUMBER  1

```

---

dec-002\_He\_004.endf

---

- **fizcon** Non-errors:

- Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 10, MF= 8, MT=457
      BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00  SUM= 0.00000E+00          SEQUENCE NUMBER  4
      NO DECAY SPECTRA GIVEN                        SEQUENCE NUMBER  5

```

- The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 10, MF= 1, MT=451
      ZA SHOULD BE SET TO  1.10000E+02                SEQUENCE NUMBER  1

```

---

dec-002\_He\_005.endf

---

- **fizcon** Non-errors:

- Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 11, MF= 8, MT=457
      NO DECAY SPECTRA GIVEN                        SEQUENCE NUMBER  5

```

- The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 11, MF= 1, MT=451
      ZA SHOULD BE SET TO  1.11000E+02                SEQUENCE NUMBER  1

```

---

dec-002\_He\_006.endf

---

- **fizcon** Errors:

- Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT= 12, MF= 8, MT=457
      BETA AVERAGE ENERGY SUMUP FAILURE
      WHOLE= 1.56762E+06  SUM= 1.56170E+06

```

fizcon Non-errors:

1. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 12, MF= 1, MT=451
      ZA SHOULD BE SET TO 1.12000E+02          SEQUENCE NUMBER 1
```

---

dec-002\_He\_007.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 13, MF= 8, MT=457
      NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER 5
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 13, MF= 1, MT=451
      ZA SHOULD BE SET TO 1.13000E+02          SEQUENCE NUMBER 1
```

---

dec-002\_He\_008.endf

---

• fizcon Errors:

1. Beta spectrum integral too small

```
ERROR(S) FOUND IN MAT= 14, MF= 8, MT=457
      FT VALUE TOO SMALL          SEQUENCE NUMBER 13
      FT= 5.68909E+01 E= 9.81000E+05 I= 2          SEQUENCE NUMBER 13
      TOTAL ENERGY RELEASE SUMUP FAILURE
```

...

fizcon Non-errors:

1. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 14, MF= 1, MT=451
      ZA SHOULD BE SET TO 1.14000E+02          SEQUENCE NUMBER 1
```

---

dec-002\_He\_009.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 15, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 15, MF= 1, MT=451
ZA SHOULD BE SET TO 1.15000E+02                       SEQUENCE NUMBER 1
```

---

dec-002\_He\_010.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 16, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 16, MF= 1, MT=451
ZA SHOULD BE SET TO 1.16000E+02                       SEQUENCE NUMBER 1
```

---

dec-003\_Li\_004.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 17, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 17, MF= 1, MT=451
ZA SHOULD BE SET TO 1.17000E+02                       SEQUENCE NUMBER 1
```

---

dec-003\_Li\_005.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 18, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5

```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 18, MF= 1, MT=451
ZA SHOULD BE SET TO 1.18000E+02                      SEQUENCE NUMBER 1

```

---

dec-003\_Li\_006.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 19, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
WHOLE= 1.00000E+00 SUM= 0.00000E+00                SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5

```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 19, MF= 1, MT=451
ZA SHOULD BE SET TO 1.19000E+02                      SEQUENCE NUMBER 1

```

---

dec-003\_Li\_007.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 20, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
WHOLE= 1.00000E+00 SUM= 0.00000E+00                SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5

```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 20, MF= 1, MT=451
ZA SHOULD BE SET TO 1.20000E+02                      SEQUENCE NUMBER 1

```

---

dec-003\_Li\_008.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 21, MF= 8, MT=457
E(DISCRETE) > Q E= 1.56600E+06 Q= 0.00000E+00 SEQUENCE NUMBER 12
GAMMA ENERGY (GE) SUMUP FAILURE
WHOLE= 3.29831E+04 SUM= 0.00000E+00 SEQUENCE NUMBER 3
```

...

**fizcon** Non-errors:

1. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 21, MF= 1, MT=451
ZA SHOULD BE SET TO 1.21000E+02 SEQUENCE NUMBER 1
DIST-FEB05 20111222
```

---

dec-003\_Li\_009.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 22, MF= 8, MT=457
GAMMA ENERGY (GE) SUMUP FAILURE
WHOLE= 2.98957E+04 SUM= 0.00000E+00 SEQUENCE NUMBER 3
```

**fizcon** Non-errors:

1. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 22, MF= 1, MT=451
ZA SHOULD BE SET TO 1.22000E+02 SEQUENCE NUMBER 1
DIST-NOV07 20111222
```

---

dec-003\_Li\_010.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 23, MF= 8, MT=457		
NEGATIVE SPIN NOT ALLOWED	SEQUENCE NUMBER	4
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL	SEQUENCE NUMBER	4
PARITY= 0.00000E+00 NOT +1.0 OR -1.0	SEQUENCE NUMBER	4
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	5

- The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 23, MF= 1, MT=451		
ZA SHOULD BE SET TO 1.23000E+02	SEQUENCE NUMBER	1

---

dec-003\_Li\_011.endf

---

- **fizcon** Non-errors:

- Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 24, MF= 8, MT=457		
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	5

- The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 24, MF= 1, MT=451		
ZA SHOULD BE SET TO 1.24000E+02	SEQUENCE NUMBER	1

---

dec-003\_Li\_012.endf

---

- **fizcon** Non-errors:

- Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 25, MF= 8, MT=457		
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	5

- The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 25, MF= 1, MT=451		
ZA SHOULD BE SET TO 1.25000E+02	SEQUENCE NUMBER	1

---

dec-004\_Be\_005.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 26, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5

```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 26, MF= 1, MT=451
ZA SHOULD BE SET TO 1.26000E+02                      SEQUENCE NUMBER 1

```

---

dec-004\_Be\_006.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 27, MF= 8, MT=457
7 IN RTYPE = 7.70000E+00 IS INVALID                 NEAR SEQUENCE NUMBER 5
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5

```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 27, MF= 1, MT=451
ZA SHOULD BE SET TO 1.27000E+02                      SEQUENCE NUMBER 1

```

---

dec-004\_Be\_007.endf

---

- **fizcon** Non-errors:

1. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 28, MF= 1, MT=451
ZA SHOULD BE SET TO 1.28000E+02                      SEQUENCE NUMBER 1

```

---

dec-004\_Be\_008.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 29, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5

```



- The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 29, MF= 1, MT=451
      ZA SHOULD BE SET TO 1.29000E+02                SEQUENCE NUMBER 1

```

---

dec-004\_Be\_009.endf

---

- **fizcon** Non-errors:

- Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 30, MF= 8, MT=457
      BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00  SUM= 0.00000E+00          SEQUENCE NUMBER 4
      NO DECAY SPECTRA GIVEN                        SEQUENCE NUMBER 5

```

- The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 30, MF= 1, MT=451
      ZA SHOULD BE SET TO 1.30000E+02                SEQUENCE NUMBER 1

```

---

dec-004\_Be\_010.endf

---

- **fizcon** Errors:

- Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT= 31, MF= 8, MT=457
      BETA AVERAGE ENERGY SUMUP FAILURE
      WHOLE= 2.02560E+05  SUM= 2.52254E+05

```

- **fizcon** Non-errors:

- The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 31, MF= 1, MT=451
      ZA SHOULD BE SET TO 1.31000E+02                SEQUENCE NUMBER 1

```

---

dec-004\_Be\_011.endf

---

- **fizcon** Non-errors:

- Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 32, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 32, MF= 1, MT=451  
ZA SHOULD BE SET TO 1.32000E+02 SEQUENCE NUMBER 1

---

dec-004\_Be\_012.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 33, MF= 8, MT=457  
BETA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 5.61490E+06 SUM= 5.58086E+06

**fizcon** Non-errors:

1. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 33, MF= 1, MT=451  
ZA SHOULD BE SET TO 1.33000E+02 SEQUENCE NUMBER 1

---

dec-004\_Be\_013.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 34, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 34, MF= 1, MT=451  
ZA SHOULD BE SET TO 1.34000E+02 SEQUENCE NUMBER 1

---

dec-004\_Be\_014.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 35, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 7

```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 35, MF= 1, MT=451
ZA SHOULD BE SET TO 1.35000E+02                      SEQUENCE NUMBER 1

```

---

dec-004\_Be\_015.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 36, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5

```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 36, MF= 1, MT=451
ZA SHOULD BE SET TO 1.36000E+02                      SEQUENCE NUMBER 1

```

---

dec-004\_Be\_016.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 37, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5

```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 37, MF= 1, MT=451
ZA SHOULD BE SET TO 1.37000E+02                      SEQUENCE NUMBER 1

```

---

dec-005\_B\_006.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 38, MF= 8, MT=457
  7 IN RTYPE = 7.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER    5
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER        5

```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 38, MF= 1, MT=451
  ZA SHOULD BE SET TO 1.38000E+02          SEQUENCE NUMBER        1

```

---

dec-005\_B\_007.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 39, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER        5

```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 39, MF= 1, MT=451
  ZA SHOULD BE SET TO 1.39000E+02          SEQUENCE NUMBER        1

```

---

dec-005\_B\_008.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 40, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER        5

```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 40, MF= 1, MT=451
  ZA SHOULD BE SET TO 1.40000E+02          SEQUENCE NUMBER        1

```

---

dec-005\_B\_009.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 41, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5

```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 41, MF= 1, MT=451
ZA SHOULD BE SET TO 1.41000E+02                      SEQUENCE NUMBER 1

```

---

dec-005\_B\_010.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 42, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
WHOLE= 1.00000E+00 SUM= 0.00000E+00                SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5

```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 42, MF= 1, MT=451
ZA SHOULD BE SET TO 1.42000E+02                      SEQUENCE NUMBER 1

```

---

dec-005\_B\_011.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 43, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
WHOLE= 1.00000E+00 SUM= 0.00000E+00                SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5

```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 43, MF= 1, MT=451
ZA SHOULD BE SET TO 1.43000E+02                      SEQUENCE NUMBER 1

```

---

dec-005\_B\_012.endf

---

• **fizcon** Errors:

1. Beta spectrum integral too small

```
ERROR(S) FOUND IN MAT= 44, MF= 8, MT=457
  FT VALUE TOO SMALL                               SEQUENCE NUMBER 12
  FT= 1.42342E+04 E= 3.06890E+06 I= 2             SEQUENCE NUMBER 12
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 1.33689E+07 SUM= 1.32498E+07           SEQUENCE NUMBER 1
BETA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 6.35225E+06 SUM= 6.31090E+06
```

**fizcon** Non-errors:

1. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 44, MF= 1, MT=451
  ZA SHOULD BE SET TO 1.44000E+02                SEQUENCE NUMBER 1
```

---

dec-005\_B\_013.endf

---

• **fizcon** Non-errors:

1. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 45, MF= 1, MT=451
  ZA SHOULD BE SET TO 1.45000E+02                SEQUENCE NUMBER 1
```

---

dec-005\_B\_014.endf

---

• **fizcon** Non-errors:

1. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 46, MF= 1, MT=451
  ZA SHOULD BE SET TO 1.46000E+02                SEQUENCE NUMBER 1
```

---

dec-005\_B\_015.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 47, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 47, MF= 1, MT=451  
ZA SHOULD BE SET TO 1.47000E+02 SEQUENCE NUMBER 1

---

dec-005\_B\_016.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 48, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 48, MF= 1, MT=451  
ZA SHOULD BE SET TO 1.48000E+02 SEQUENCE NUMBER 1

---

dec-005\_B\_017.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 49, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 9

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 49, MF= 1, MT=451  
ZA SHOULD BE SET TO 1.49000E+02 SEQUENCE NUMBER 1

---

dec-005\_B\_018.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 50, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 50, MF= 1, MT=451  
ZA SHOULD BE SET TO 1.50000E+02 SEQUENCE NUMBER 1

---

dec-005\_B\_019.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 51, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 51, MF= 1, MT=451  
ZA SHOULD BE SET TO 1.51000E+02 SEQUENCE NUMBER 1

---

dec-006\_C\_008.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 52, MF= 8, MT=457  
7 IN RTYPE = 7.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 5  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 52, MF= 1, MT=451  
ZA SHOULD BE SET TO 1.52000E+02 SEQUENCE NUMBER 1

---

dec-006\_C\_009.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.



```

ERROR(S) FOUND IN MAT= 53, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER 5
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER 6

```

- The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 53, MF= 1, MT=451
  ZA SHOULD BE SET TO 1.53000E+02        SEQUENCE NUMBER 1

```

---

dec-006\_C\_010.endf

---

- **fizcon** Errors:

- Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT= 54, MF= 8, MT=457
  E.C. AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 8.07207E+05  SUM= 8.05062E+05

```

**fizcon** Non-errors:

- The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 54, MF= 1, MT=451
  ZA SHOULD BE SET TO 1.54000E+02        SEQUENCE NUMBER 1

```

---

dec-006\_C\_011.endf

---

- **fizcon** Non-errors:

- The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 55, MF= 1, MT=451
  ZA SHOULD BE SET TO 1.55000E+02        SEQUENCE NUMBER 1

```

---

dec-006\_C\_012.endf

---

- **fizcon** Non-errors:

- Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 56, MF= 8, MT=457
  BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00    SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER 5

```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 56, MF= 1, MT=451
      ZA SHOULD BE SET TO 1.56000E+02          SEQUENCE NUMBER 1
```

---

dec-006\_C\_013.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 57, MF= 8, MT=457
      BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00 SUM= 0.00000E+00     SEQUENCE NUMBER 4
      NO DECAY SPECTRA GIVEN                 SEQUENCE NUMBER 5
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 57, MF= 1, MT=451
      ZA SHOULD BE SET TO 1.57000E+02          SEQUENCE NUMBER 1
```

---

dec-006\_C\_014.endf

---

- **fizcon** Non-errors:

1. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 58, MF= 1, MT=451
      ZA SHOULD BE SET TO 1.58000E+02          SEQUENCE NUMBER 1
```

---

dec-006\_C\_015.endf

---

- **fizcon** Non-errors:

1. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 59, MF= 1, MT=451
      ZA SHOULD BE SET TO 1.59000E+02          SEQUENCE NUMBER 1
```

---

dec-006\_C\_016.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 60, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 6
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 60, MF= 1, MT=451
ZA SHOULD BE SET TO 1.60000E+02                       SEQUENCE NUMBER 1
```

---

dec-006\_C\_017.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 61, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 6
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 61, MF= 1, MT=451
ZA SHOULD BE SET TO 1.61000E+02                       SEQUENCE NUMBER 1
```

---

dec-006\_C\_018.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 62, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 6
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 62, MF= 1, MT=451
ZA SHOULD BE SET TO 1.62000E+02                       SEQUENCE NUMBER 1
```

---

dec-006\_C\_019.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 63, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 6
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 63, MF= 1, MT=451
ZA SHOULD BE SET TO 1.63000E+02                       SEQUENCE NUMBER 1
```

---

dec-006\_C\_020.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 64, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 6
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 64, MF= 1, MT=451
ZA SHOULD BE SET TO 1.64000E+02                       SEQUENCE NUMBER 1
```

---

dec-006\_C\_021.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 65, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 65, MF= 1, MT=451
ZA SHOULD BE SET TO 1.65000E+02                       SEQUENCE NUMBER 1
```

---

dec-006\_C\_022.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 66, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 7
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 66, MF= 1, MT=451
ZA SHOULD BE SET TO 1.66000E+02                       SEQUENCE NUMBER 1
```

---

dec-007\_N\_010.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 67, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 67, MF= 1, MT=451
ZA SHOULD BE SET TO 1.67000E+02                       SEQUENCE NUMBER 1
```

---

dec-007\_N\_011.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 68, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 68, MF= 1, MT=451
ZA SHOULD BE SET TO 1.68000E+02                       SEQUENCE NUMBER 1
```

---

dec-007\_N\_012.endf

---

- **fizcon** Errors:

1. Beta spectrum integral too small

```
ERROR(S) FOUND IN MAT= 69, MF= 8, MT=457
  FT VALUE TOO SMALL                      SEQUENCE NUMBER 14
  FT= 2.69028E+04 E= 2.22810E+06 I= 3     SEQUENCE NUMBER 14
  FT VALUE TOO SMALL                      SEQUENCE NUMBER 16
  FT= 1.01084E+04 E= 4.62810E+06 I= 4     SEQUENCE NUMBER 16
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 1.73381E+07 SUM= 1.71157E+07    SEQUENCE NUMBER 1
```

**fizcon** Non-errors:

1. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 69, MF= 1, MT=451
  ZA SHOULD BE SET TO 1.69000E+02        SEQUENCE NUMBER 1
```

---

dec-007\_N\_013.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 70, MF= 8, MT=457
  E.C. AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 4.90854E+05 SUM= 4.90125E+05
```

**fizcon** Non-errors:

1. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 70, MF= 1, MT=451
  ZA SHOULD BE SET TO 1.70000E+02        SEQUENCE NUMBER 1
```

---

dec-007\_N\_014.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 71, MF= 8, MT=457
  BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00 SUM= 0.00000E+00    SEQUENCE NUMBER 4
  NO DECAY SPECTRA GIVEN                  SEQUENCE NUMBER 5
```

- The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 71, MF= 1, MT=451
      ZA SHOULD BE SET TO 1.71000E+02          SEQUENCE NUMBER 1

```

---

dec-007\_N\_015.endf

---

- **fizcon** Non-errors:

- Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 72, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00  SUM= 0.00000E+00    SEQUENCE NUMBER 4
      NO DECAY SPECTRA GIVEN                SEQUENCE NUMBER 5

```

- The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 72, MF= 1, MT=451
      ZA SHOULD BE SET TO 1.72000E+02          SEQUENCE NUMBER 1

```

---

dec-007\_N\_016.endf

---

- **fizcon** Errors:

- Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT= 73, MF= 8, MT=457
E(DISCRETE) > Q  E= 1.81730E+06  Q= 0.00000E+00  SEQUENCE NUMBER 47
E(DISCRETE) > Q  E= 2.01190E+06  Q= 0.00000E+00  SEQUENCE NUMBER 49
ALPHA MULTIPLICITY SUMUP FAILURE
      WHOLE= 0.00000E+00  SUM= 1.20065E-05

```

- **fizcon** Non-errors:

- The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 73, MF= 1, MT=451
      ZA SHOULD BE SET TO 1.73000E+02          SEQUENCE NUMBER 1

```

---

dec-007\_N\_017.endf

---

- **fizcon** Errors:

- Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 74, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 9.29444E+05 SUM= 8.75948E+05 SEQUENCE NUMBER 3

fizcon Non-errors:

1. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 74, MF= 1, MT=451  
ZA SHOULD BE SET TO 1.74000E+02 SEQUENCE NUMBER 1

---

dec-007\_N\_018.endf

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 75, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 75, MF= 1, MT=451  
ZA SHOULD BE SET TO 1.75000E+02 SEQUENCE NUMBER 1

---

dec-007\_N\_019.endf

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 76, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 76, MF= 1, MT=451  
ZA SHOULD BE SET TO 1.76000E+02 SEQUENCE NUMBER 1

---

dec-007\_N\_020.endf

• fizcon Non-errors:



1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 77, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 6
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 77, MF= 1, MT=451
ZA SHOULD BE SET TO 1.77000E+02                     SEQUENCE NUMBER 1
```

---

dec-007\_N\_021.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 78, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 6
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 78, MF= 1, MT=451
ZA SHOULD BE SET TO 1.78000E+02                     SEQUENCE NUMBER 1
```

---

dec-007\_N\_022.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 79, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 7
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 79, MF= 1, MT=451
ZA SHOULD BE SET TO 1.79000E+02                     SEQUENCE NUMBER 1
```

---

dec-007\_N\_023.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 80, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 80, MF= 1, MT=451
ZA SHOULD BE SET TO 1.80000E+02                       SEQUENCE NUMBER 1
```

---

dec-007\_N\_024.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 81, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 81, MF= 1, MT=451
ZA SHOULD BE SET TO 1.81000E+02                       SEQUENCE NUMBER 1
```

---

dec-007\_N\_025.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 82, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 82, MF= 1, MT=451
ZA SHOULD BE SET TO 1.82000E+02                       SEQUENCE NUMBER 1
```

---

dec-008\_0\_012.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 83, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5

```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 83, MF= 1, MT=451
ZA SHOULD BE SET TO 1.83000E+02                      SEQUENCE NUMBER 1

```

---

dec-008\_0\_013.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 84, MF= 8, MT=457
7 IN RTYPE = 2.70000E+00 IS INVALID                 NEAR SEQUENCE NUMBER 5
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5

```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 84, MF= 1, MT=451
ZA SHOULD BE SET TO 1.84000E+02                      SEQUENCE NUMBER 1

```

---

dec-008\_0\_014.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT= 85, MF= 8, MT=457
E.C. AVERAGE ENERGY SUMUP FAILURE
WHOLE= 7.76219E+05 SUM= 7.74294E+05

```

- **fizcon** Non-errors:

1. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 85, MF= 1, MT=451
ZA SHOULD BE SET TO 1.85000E+02                      SEQUENCE NUMBER 1

```

---

dec-008\_0\_015.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 86, MF= 8, MT=457
E.C. AVERAGE ENERGY SUMUP FAILURE
WHOLE= 7.34647E+05 SUM= 7.32935E+05
```

**fizcon** Non-errors:

1. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 86, MF= 1, MT=451
ZA SHOULD BE SET TO 1.86000E+02 SEQUENCE NUMBER 1
```

---

dec-008\_0\_016.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 87, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 87, MF= 1, MT=451
ZA SHOULD BE SET TO 1.87000E+02 SEQUENCE NUMBER 1
```

---

dec-008\_0\_017.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 88, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 88, MF= 1, MT=451  
ZA SHOULD BE SET TO 1.88000E+02 SEQUENCE NUMBER 1

---

dec-008\_0\_018.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 89, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 89, MF= 1, MT=451  
ZA SHOULD BE SET TO 1.89000E+02 SEQUENCE NUMBER 1

---

dec-008\_0\_019.endf

---

• **fizcon** Non-errors:

1. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 90, MF= 1, MT=451  
ZA SHOULD BE SET TO 1.90000E+02 SEQUENCE NUMBER 1

---

dec-008\_0\_020.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 91, MF= 8, MT=457  
BETA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 1.19741E+06 SUM= 1.19348E+06

**fizcon** Non-errors:

1. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 91, MF= 1, MT=451  
ZA SHOULD BE SET TO 1.91000E+02 SEQUENCE NUMBER 1

---

dec-008\_0\_021.endf

---

- **fizcon** Non-errors:

1. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 92, MF= 1, MT=451
ZA SHOULD BE SET TO 1.92000E+02          SEQUENCE NUMBER 1
```

---

dec-008\_0\_022.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 93, MF= 8, MT=457
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER 6
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 93, MF= 1, MT=451
ZA SHOULD BE SET TO 1.93000E+02          SEQUENCE NUMBER 1
```

---

dec-008\_0\_023.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 94, MF= 8, MT=457
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER 6
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 94, MF= 1, MT=451
ZA SHOULD BE SET TO 1.94000E+02          SEQUENCE NUMBER 1
```

---

dec-008\_0\_024.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 95, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 95, MF= 1, MT=451  
ZA SHOULD BE SET TO 1.95000E+02 SEQUENCE NUMBER 1

---

dec-008\_0\_025.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 96, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 96, MF= 1, MT=451  
ZA SHOULD BE SET TO 1.96000E+02 SEQUENCE NUMBER 1

---

dec-008\_0\_026.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 97, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 97, MF= 1, MT=451  
ZA SHOULD BE SET TO 1.97000E+02 SEQUENCE NUMBER 1

---

dec-008\_0\_027.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 98, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 98, MF= 1, MT=451  
ZA SHOULD BE SET TO 1.98000E+02 SEQUENCE NUMBER 1

---

dec-008\_0\_028.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 99, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 99, MF= 1, MT=451  
ZA SHOULD BE SET TO 1.99000E+02 SEQUENCE NUMBER 1

---

dec-009\_F\_014.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 100, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 100, MF= 1, MT=451  
Z NOT IN RANGE 1.00000E+00 TO 8.00000E+00 SEQUENCE NUMBER 1

---

dec-009\_F\_015.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.



ERROR(S) FOUND IN MAT= 101, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 5

---

dec-009\_F\_016.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 102, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 5

---

dec-009\_F\_017.endf

---

- Passed All Checks!

---

dec-009\_F\_018.endf

---

- Passed All Checks!

---

dec-009\_F\_019.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 105, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00  
NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 4  
SEQUENCE NUMBER 5

---

dec-009\_F\_020.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 106, MF= 8, MT=457  
BETA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 2.48137E+06 SUM= 2.46693E+06

---

dec-009\_F\_021.endf

---

- Passed All Checks!

---

dec-009\_F\_022.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 108, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 1.08180E+07  SUM= 1.00685E+07          SEQUENCE NUMBER    1
BETA MULTIPLICITY SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 9.14400E-01
```

---

dec-009\_F\_023.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 109, MF= 8, MT=457
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-009\_F\_024.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 110, MF= 8, MT=457
NEGATIVE SPIN NOT ALLOWED          SEQUENCE NUMBER    4
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL  SEQUENCE NUMBER    4
PARITY= 0.00000E+00 NOT +1.0 OR -1.0     SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    6
```

---

dec-009\_F\_025.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 111, MF= 8, MT=457
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    6
```

---

dec-009\_F\_026.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 112, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-009\_F\_027.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 113, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-009\_F\_028.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 114, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-009\_F\_029.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 115, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-009\_F\_030.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 116, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-009\_F\_031.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 117, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-010\_Ne\_016.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 118, MF= 8, MT=457  
7 IN RTYPE = 7.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 5  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 118, MF= 1, MT=451  
Z NOT IN RANGE 1.00000E+00 TO 9.00000E+00 SEQUENCE NUMBER 1

---

dec-010\_Ne\_017.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 119, MF= 8, MT=457  
7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 5  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-010\_Ne\_018.endf

---

• Passed All Checks!

---

dec-010\_Ne\_019.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 121, MF= 8, MT=457  
E.C. AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 9.62136E+05 SUM= 9.59770E+05

---

dec-010\_Ne\_020.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 122, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-010\_Ne\_021.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 123, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-010\_Ne\_022.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 124, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-010\_Ne\_023.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 125, MF= 8, MT=457
X-RAY AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 4.05653E-04  SUM= 2.69848E-04
```

---

dec-010\_Ne\_024.endf

---

- Passed All Checks!

---

dec-010\_Ne\_025.endf

---

- Passed All Checks!

---

dec-010\_Ne\_026.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 128, MF= 8, MT=457  
X-RAY AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 2.62656E+00 SUM= 1.74723E+00

---

dec-010\_Ne\_027.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 129, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-010\_Ne\_028.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 130, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-010\_Ne\_029.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 131, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-010\_Ne\_030.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 132, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-010\_Ne\_031.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 133, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-010\_Ne\_032.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 134, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-010\_Ne\_033.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 135, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-010\_Ne\_034.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 136, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-011\_Na\_018.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 137, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

- The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 137, MF= 1, MT=451
      Z NOT IN RANGE 1.00000E+00 TO 1.00000E+01  SEQUENCE NUMBER 1

```

---

dec-011\_Na\_019.endf

---

- **fizcon** Non-errors:

- Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 138, MF= 8, MT=457
      NO DECAY SPECTRA GIVEN  SEQUENCE NUMBER 5

```

---

dec-011\_Na\_020.endf

---

- **fizcon** Non-errors:

- Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 139, MF= 8, MT=457
      NO DECAY SPECTRA GIVEN  SEQUENCE NUMBER 6

```

---

dec-011\_Na\_021.endf

---

- **fizcon** Errors:

- Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT= 140, MF= 8, MT=457
      E.C. AVERAGE ENERGY SUMUP FAILURE
      WHOLE= 1.10071E+06  SUM= 1.09759E+06

```

---

dec-011\_Na\_022.endf

---

- Passed All Checks!

---

dec-011\_Na\_023.endf

---

- **fizcon** Non-errors:

- Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 142, MF= 8, MT=457
      BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00  SUM= 0.00000E+00  SEQUENCE NUMBER 4
      NO DECAY SPECTRA GIVEN  SEQUENCE NUMBER 5

```



---

dec-011\_Na\_024.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 143, MF= 8, MT=457
  BETA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 5.55438E+05  SUM= 5.54168E+05
  X-RAY AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 1.05944E-04  SUM= 7.06292E-05
```

---

dec-011\_Na\_024m1.endf

---

- Passed All Checks!

---

dec-011\_Na\_025.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 145, MF= 8, MT=457
  X-RAY AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 9.69885E-04  SUM= 6.46590E-04
```

---

dec-011\_Na\_026.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 146, MF= 8, MT=457
  X-RAY AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 2.42778E-04  SUM= 1.61852E-04
```

---

dec-011\_Na\_027.endf

---

- Passed All Checks!

---

dec-011\_Na\_028.endf

---

- Passed All Checks!

---

dec-011\_Na\_029.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 149, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-011\_Na\_030.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 150, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 8

---

dec-011\_Na\_031.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 151, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-011\_Na\_032.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 152, MF= 8, MT=457  
NEGATIVE SPIN NOT ALLOWED SEQUENCE NUMBER 4  
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL SEQUENCE NUMBER 4  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-011\_Na\_033.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 153, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-011\_Na\_034.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 154, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    6

```

---

dec-011\_Na\_035.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 155, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5

```

---

dec-011\_Na\_036.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 156, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5

```

---

dec-011\_Na\_037.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 157, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    6

```

---

dec-012\_Mg\_019.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 158, MF= 8, MT=457
  7 IN RTYPE = 7.70000E+00 IS INVALID    NEAR SEQUENCE NUMBER    5
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5

```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 158, MF= 1, MT=451  
Z NOT IN RANGE 1.00000E+00 TO 1.10000E+01 SEQUENCE NUMBER 1

---

dec-012\_Mg\_020.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 159, MF= 8, MT=457  
7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 6  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 159, MF= 1, MT=451  
Z NOT IN RANGE 1.00000E+00 TO 1.10000E+01 SEQUENCE NUMBER 1

---

dec-012\_Mg\_021.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 160, MF= 8, MT=457  
7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 6  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-012\_Mg\_022.endf

---

• Passed All Checks!

---

dec-012\_Mg\_023.endf

---

• Passed All Checks!

---

dec-012\_Mg\_024.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 163, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-012\_Mg\_025.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 164, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5
```

---

dec-012\_Mg\_026.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 165, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5
```

---

dec-012\_Mg\_027.endf

---

- Passed All Checks!

---

dec-012\_Mg\_028.endf

---

- Passed All Checks!

---

dec-012\_Mg\_029.endf

---

- Passed All Checks!

---

dec-012\_Mg\_030.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 169, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5
```

---

dec-012\_Mg\_031.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 170, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-012\_Mg\_032.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 171, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-012\_Mg\_033.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 172, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-012\_Mg\_034.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 173, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-012\_Mg\_035.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 174, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-012\_Mg\_036.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 175, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-012\_Mg\_037.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 176, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-012\_Mg\_038.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 177, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-012\_Mg\_039.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 178, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-012\_Mg\_040.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 179, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-013\_Al\_021.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 180, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 180, MF= 1, MT=451  
Z NOT IN RANGE 1.00000E+00 TO 1.20000E+01 SEQUENCE NUMBER 1

---

dec-013\_A1\_022.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 181, MF= 8, MT=457  
7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 6  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 181, MF= 1, MT=451  
Z NOT IN RANGE 1.00000E+00 TO 1.20000E+01 SEQUENCE NUMBER 1

---

dec-013\_A1\_023.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 182, MF= 8, MT=457  
7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 6  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-013\_A1\_024.endf

---

• Passed All Checks!

---

dec-013\_A1\_024m1.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.



ERROR(S) FOUND IN MAT= 184, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 7

---

dec-013\_A1\_025.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 185, MF= 8, MT=457  
E.C. AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 1.45244E+06 SUM= 1.44785E+06

---

dec-013\_A1\_026.endf

---

• Passed All Checks!

---

dec-013\_A1\_026m1.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 187, MF= 8, MT=457  
E.C. AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 1.43837E+06 SUM= 1.43385E+06

---

dec-013\_A1\_027.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 188, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-013\_A1\_028.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 189, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 4.64230E+06 SUM= 4.64158E+06 SEQUENCE NUMBER 1  
BETA MULTIPLICITY SUMUP FAILURE

WHOLE= 1.00000E+00 SUM= 9.99900E-01  
BETA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 1.24167E+06 SUM= 1.23704E+06

---

dec-013\_A1\_029.endf

---

- Passed All Checks!

---

dec-013\_A1\_030.endf

---

- Passed All Checks!

---

dec-013\_A1\_031.endf

---

- Passed All Checks!

---

dec-013\_A1\_032.endf

---

- Passed All Checks!

---

dec-013\_A1\_033.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 194, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-013\_A1\_034.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 195, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-013\_A1\_035.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 196, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-013\_A1\_036.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 197, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-013\_A1\_037.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 198, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-013\_A1\_038.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 199, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-013\_A1\_039.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 200, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-013\_A1\_040.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 201, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-013\_Al\_041.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 202, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-013\_Al\_042.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 203, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 6
```

---

dec-014\_Si\_022.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 204, MF= 8, MT=457
 7 IN RTYPE = 2.70000E+00 IS INVALID                 NEAR SEQUENCE NUMBER 6
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 6
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 204, MF= 1, MT=451
Z NOT IN RANGE 1.00000E+00 TO 1.20000E+01          SEQUENCE NUMBER 1
```

---

dec-014\_Si\_023.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 205, MF= 8, MT=457
 7 IN RTYPE = 2.70000E+00 IS INVALID                 NEAR SEQUENCE NUMBER 6
 7 IN RTYPE = 2.77000E+00 IS INVALID                 NEAR SEQUENCE NUMBER 7
 7 IN RTYPE = 2.77000E+00 IS INVALID                 NEAR SEQUENCE NUMBER 7
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 7
```

- The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 205, MF= 1, MT=451
      Z NOT IN RANGE  1.00000E+00 TO  1.30000E+01  SEQUENCE NUMBER      1

```

---

dec-014\_Si\_024.endf

---

- **fizcon** Non-errors:

- Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 206, MF= 8, MT=457
      7 IN RTYPE =  2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER      6
      NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER          6

```

- The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 206, MF= 1, MT=451
      Z NOT IN RANGE  1.00000E+00 TO  1.30000E+01  SEQUENCE NUMBER      1

```

---

dec-014\_Si\_025.endf

---

- **fizcon** Non-errors:

- Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 207, MF= 8, MT=457
      7 IN RTYPE =  2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER      6
      NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER          6

```

---

dec-014\_Si\_026.endf

---

- Passed All Checks!

---

dec-014\_Si\_027.endf

---

- **fizcon** Errors:

- Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT= 209, MF= 8, MT=457
      E.C. AVERAGE ENERGY SUMUP FAILURE
      WHOLE= 1.71663E+06  SUM= 1.71087E+06

```

---

dec-014\_Si\_028.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 210, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER  5
```

---

dec-014\_Si\_029.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 211, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER  5
```

---

dec-014\_Si\_030.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 212, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER  5
```

---

dec-014\_Si\_031.endf

---

- Passed All Checks!

---

dec-014\_Si\_032.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 214, MF= 8, MT=457
BETA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 6.84300E+04  SUM= 6.84048E+04
```

---

dec-014\_Si\_033.endf

---

- Passed All Checks!

---

dec-014\_Si\_034.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 216, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-014\_Si\_035.endf

---

- Passed All Checks!

---

dec-014\_Si\_036.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 218, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-014\_Si\_037.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 219, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-014\_Si\_038.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 220, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-014\_Si\_039.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 221, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-014\_Si\_040.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 222, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-014\_Si\_041.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 223, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-014\_Si\_042.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 224, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-014\_Si\_043.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 225, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-014\_Si\_044.endf

---

• **fizcon** Non-errors:



1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 226, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 6
```

---

dec-015\_P\_024.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 227, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 6
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 227, MF= 1, MT=451
Z NOT IN RANGE 1.00000E+00 TO 1.30000E+01 SEQUENCE NUMBER 1
```

---

dec-015\_P\_025.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 228, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 228, MF= 1, MT=451
Z NOT IN RANGE 1.00000E+00 TO 1.40000E+01 SEQUENCE NUMBER 1
```

---

dec-015\_P\_026.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 229, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 229, MF= 1, MT=451
      Z NOT IN RANGE  1.00000E+00 TO  1.40000E+01  SEQUENCE NUMBER    1
```

---

dec-015\_P\_027.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 230, MF= 8, MT=457
      7 IN RTYPE =  2.70000E+00 IS INVALID          NEAR SEQUENCE NUMBER    6
      NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER          6
```

---

dec-015\_P\_028.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 231, MF= 8, MT=457
      7 IN RTYPE =  2.70000E+00 IS INVALID          NEAR SEQUENCE NUMBER    7
      E(DISCRETE) > Q  E= 4.69000E+05  Q= 0.00000E+00  SEQUENCE NUMBER  157
      E(DISCRETE) > Q  E= 6.79000E+05  Q= 0.00000E+00  SEQUENCE NUMBER  159
      ...
```

---

dec-015\_P\_029.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 232, MF= 8, MT=457
      E.C. AVERAGE ENERGY SUMUP FAILURE
      WHOLE= 1.77087E+06  SUM= 1.76416E+06
```

---

dec-015\_P\_030.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 233, MF= 8, MT=457
      E.C. AVERAGE ENERGY SUMUP FAILURE
      WHOLE= 1.43850E+06  SUM= 1.43412E+06
```

---

dec-015\_P\_031.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 234, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER    5
```

---

dec-015\_P\_032.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 235, MF= 8, MT=457
BETA AVERAGE ENERGY SUMUP FAILURE
      WHOLE= 6.94900E+05  SUM= 6.92953E+05
```

---

dec-015\_P\_033.endf

---

- Passed All Checks!

---

dec-015\_P\_034.endf

---

- Passed All Checks!

---

dec-015\_P\_035.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 238, MF= 8, MT=457
BETA AVERAGE ENERGY SUMUP FAILURE
      WHOLE= 1.02250E+06  SUM= 1.01885E+06
```

---

dec-015\_P\_036.endf

---

- Passed All Checks!

---

dec-015\_P\_037.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 240, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-015\_P\_038.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 241, MF= 8, MT=457  
NEGATIVE SPIN NOT ALLOWED SEQUENCE NUMBER 4  
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL SEQUENCE NUMBER 4  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-015\_P\_039.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 242, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-015\_P\_040.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 243, MF= 8, MT=457  
NEGATIVE SPIN NOT ALLOWED SEQUENCE NUMBER 4  
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL SEQUENCE NUMBER 4  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-015\_P\_041.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 244, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-015\_P\_042.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 245, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-015\_P\_043.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 246, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-015\_P\_044.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 247, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-015\_P\_045.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 248, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-015\_P\_046.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 249, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 250, MF= 8, MT=457
  7 IN RTYPE = 7.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER    5
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER      5
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 250, MF= 1, MT=451
  Z NOT IN RANGE 1.00000E+00 TO 1.40000E+01 SEQUENCE NUMBER    1
```

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 251, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER    6
  7 IN RTYPE = 2.77000E+00 IS INVALID      NEAR SEQUENCE NUMBER    7
  7 IN RTYPE = 2.77000E+00 IS INVALID      NEAR SEQUENCE NUMBER    7
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER      7
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 251, MF= 1, MT=451
  Z NOT IN RANGE 1.00000E+00 TO 1.50000E+01 SEQUENCE NUMBER    1
```

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 252, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER    6
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER      6
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 252, MF= 1, MT=451  
Z NOT IN RANGE 1.00000E+00 TO 1.50000E+01 SEQUENCE NUMBER 1

---

dec-016\_S\_029.endf

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 253, MF= 8, MT=457  
7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 6  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-016\_S\_030.endf

• Passed All Checks!

---

dec-016\_S\_031.endf

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 255, MF= 8, MT=457  
E.C. AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 1.99637E+06 SUM= 1.98943E+06

---

dec-016\_S\_032.endf

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 256, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-016\_S\_033.endf

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 257, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER 5

```

---

\_dec-016\_S\_034.endf\_

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 258, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER 5

```

---

\_dec-016\_S\_035.endf\_

---

- Passed All Checks!

---

\_dec-016\_S\_036.endf\_

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 260, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER 5

```

---

\_dec-016\_S\_037.endf\_

---

- Passed All Checks!

---

\_dec-016\_S\_038.endf\_

---

- Passed All Checks!

---

\_dec-016\_S\_039.endf\_

---

- Passed All Checks!

---

\_dec-016\_S\_040.endf\_

---

- Passed All Checks!

---

\_dec-016\_S\_041.endf\_

---



• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 265, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-016\_S\_042.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 266, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-016\_S\_043.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 267, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

---

dec-016\_S\_044.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 268, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

---

dec-016\_S\_045.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 269, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

---

dec-016\_S\_046.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 270, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-016\_S\_048.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 271, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-016\_S\_049.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 272, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-017\_C1\_028.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 273, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 273, MF= 1, MT=451
Z NOT IN RANGE 1.00000E+00 TO 1.50000E+01 SEQUENCE NUMBER    1
```

---

dec-017\_C1\_029.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 274, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 274, MF= 1, MT=451  
Z NOT IN RANGE 1.00000E+00 TO 1.60000E+01 SEQUENCE NUMBER 1

---

dec-017\_C1\_030.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 275, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 275, MF= 1, MT=451  
Z NOT IN RANGE 1.00000E+00 TO 1.60000E+01 SEQUENCE NUMBER 1

---

dec-017\_C1\_031.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 276, MF= 8, MT=457  
7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 6  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-017\_C1\_032.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 277, MF= 8, MT=457  
7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 7  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-017\_C1\_033.endf

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 278, MF= 8, MT=457
E.C. AVERAGE ENERGY SUMUP FAILURE
WHOLE= 2.08212E+06 SUM= 2.07485E+06
```

---

dec-017\_C1\_034.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 279, MF= 8, MT=457
E.C. AVERAGE ENERGY SUMUP FAILURE
WHOLE= 2.05039E+06 SUM= 2.04328E+06
```

---

dec-017\_C1\_034m1.endf

---

- Passed All Checks!

---

dec-017\_C1\_035.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 281, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5
```

---

dec-017\_C1\_036.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 282, MF= 8, MT=457
BETA AVERAGE ENERGY SUMUP FAILURE
WHOLE= 2.97427E+05 SUM= 2.46223E+05
```

---

dec-017\_C1\_037.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 283, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-017\_C1\_038.endf

- Passed All Checks!

---

dec-017\_C1\_038m1.endf

- Passed All Checks!

---

dec-017\_C1\_039.endf

- Passed All Checks!

---

dec-017\_C1\_040.endf

- Passed All Checks!

---

dec-017\_C1\_041.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 288, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-017\_C1\_042.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 289, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-017\_C1\_043.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 290, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-017\_C1\_044.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 291, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-017\_C1\_045.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 292, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-017\_C1\_046.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 293, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-017\_C1\_047.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 294, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-017\_C1\_048.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 295, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-017\_C1\_049.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 296, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-017\_C1\_050.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 297, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-017\_C1\_051.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 298, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-018\_Ar\_030.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 299, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 299, MF= 1, MT=451  
Z NOT IN RANGE 1.00000E+00 TO 1.60000E+01 SEQUENCE NUMBER 1

---

dec-018\_Ar\_031.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 300, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER    6
  7 IN RTYPE = 2.77000E+00 IS INVALID      NEAR SEQUENCE NUMBER    7
  7 IN RTYPE = 2.77000E+00 IS INVALID      NEAR SEQUENCE NUMBER    7
NO DECAY SPECTRA GIVEN                     SEQUENCE NUMBER        7

```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 300, MF= 1, MT=451
  Z NOT IN RANGE 1.00000E+00 TO 1.70000E+01 SEQUENCE NUMBER    1

```

---

dec-018\_Ar\_032.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 301, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER    6
NO DECAY SPECTRA GIVEN                     SEQUENCE NUMBER        6

```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 301, MF= 1, MT=451
  Z NOT IN RANGE 1.00000E+00 TO 1.70000E+01 SEQUENCE NUMBER    1

```

---

dec-018\_Ar\_033.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 302, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER    6
NO DECAY SPECTRA GIVEN                     SEQUENCE NUMBER        6

```

---

dec-018\_Ar\_034.endf

---

- Passed All Checks!

---

dec-018\_Ar\_035.endf

---



- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 304, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 5.96530E+06  SUM= 5.95898E+06          SEQUENCE NUMBER    1
E.C. MULTIPLICITY SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 9.98547E-01
E.C. AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 2.26583E+06  SUM= 2.25755E+06
```

---

dec-018\_Ar\_036.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 305, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00          SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-018\_Ar\_037.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 306, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 8.13500E+05  SUM= 8.13091E+05          SEQUENCE NUMBER    1
```

---

dec-018\_Ar\_038.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 307, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00          SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-018\_Ar\_039.endf

---

- Passed All Checks!

---

dec-018\_Ar\_040.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 309, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER    5
```

---

dec-018\_Ar\_041.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 310, MF= 8, MT=457
BETA AVERAGE ENERGY SUMUP FAILURE
      WHOLE= 4.63923E+05  SUM= 4.62952E+05
```

---

dec-018\_Ar\_042.endf

---

- Passed All Checks!

---

dec-018\_Ar\_043.endf

---

- Passed All Checks!

---

dec-018\_Ar\_044.endf

---

- Passed All Checks!

---

dec-018\_Ar\_045.endf

---

- Passed All Checks!

---

dec-018\_Ar\_046.endf

---

- Passed All Checks!

---

dec-018\_Ar\_047.endf

---

- Passed All Checks!

---

dec-018\_Ar\_048.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 317, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-018\_Ar\_049.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 318, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-018\_Ar\_050.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 319, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-018\_Ar\_051.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 320, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-018\_Ar\_052.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 321, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-018\_Ar\_053.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 322, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-019\_K\_032.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 323, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 323, MF= 1, MT=451  
Z NOT IN RANGE 1.00000E+00 TO 1.70000E+01 SEQUENCE NUMBER 1

---

dec-019\_K\_033.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 324, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 324, MF= 1, MT=451  
Z NOT IN RANGE 1.00000E+00 TO 1.80000E+01 SEQUENCE NUMBER 1

---

dec-019\_K\_034.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 325, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 325, MF= 1, MT=451  
Z NOT IN RANGE 1.00000E+00 TO 1.80000E+01 SEQUENCE NUMBER 1

---

dec-019\_K\_035.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 326, MF= 8, MT=457  
7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 6  
E(DISCRETE) > Q E= 1.42500E+06 Q= 0.00000E+00 SEQUENCE NUMBER 72  
E(DISCRETE) > Q E= 1.55500E+06 Q= 0.00000E+00 SEQUENCE NUMBER 74

...

---

dec-019\_K\_036.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 327, MF= 8, MT=457  
7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 7  
E(DISCRETE) > Q E= 5.01000E+05 Q= 0.00000E+00 SEQUENCE NUMBER 158  
E(DISCRETE) > Q E= 6.93000E+05 Q= 0.00000E+00 SEQUENCE NUMBER 160

...

---

dec-019\_K\_037.endf

---

• Passed All Checks!

---

dec-019\_K\_038.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 329, MF= 8, MT=457  
E.C. AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 1.20571E+06 SUM= 1.20283E+06

---

dec-019\_K\_038m1.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 330, MF= 8, MT=457  
E.C. AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 2.32110E+06 SUM= 2.31274E+06

---

dec-019\_K\_039.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 331, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER 5
```

---

dec-019\_K\_040.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 332, MF= 8, MT=457
BETA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 4.99331E+05  SUM= 4.52026E+05
```

---

dec-019\_K\_041.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 333, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER 5
```

---

dec-019\_K\_042.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 334, MF= 8, MT=457
BETA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 1.43054E+06  SUM= 1.42532E+06
```

---

dec-019\_K\_043.endf

---

- Passed All Checks!

---

dec-019\_K\_044.endf

---

- Passed All Checks!

---

dec-019\_K\_045.endf

---

- Passed All Checks!

---

dec-019\_K\_046.endf

---

- Passed All Checks!

---

dec-019\_K\_047.endf

---

- Passed All Checks!

---

dec-019\_K\_048.endf

---

- fizcon Errors:

1. Beta spectrum integral too small

```

ERROR(S) FOUND IN MAT= 340, MF= 8, MT=457
  FT VALUE TOO SMALL                SEQUENCE NUMBER 108
  FT= 8.43842E+04 E= 1.05800E+06 I= 40 SEQUENCE NUMBER 108
  FT VALUE TOO SMALL                SEQUENCE NUMBER 116
  FT= 1.34176E+05 E= 1.47600E+06 I= 44 SEQUENCE NUMBER 116
  FT VALUE TOO SMALL                SEQUENCE NUMBER 122
  FT= 4.03630E+05 E= 1.82100E+06 I= 47 SEQUENCE NUMBER 122

```

---

dec-019\_K\_049.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 341, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN            SEQUENCE NUMBER 6

```

---

dec-019\_K\_050.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 342, MF= 8, MT=457
  NEGATIVE SPIN NOT ALLOWED         SEQUENCE NUMBER 4
  SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL SEQUENCE NUMBER 4
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4
  NO DECAY SPECTRA GIVEN            SEQUENCE NUMBER 6

```

---

dec-019\_K\_051.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 343, MF= 8, MT=457
NEGATIVE SPIN NOT ALLOWED                SEQUENCE NUMBER    4
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL SEQUENCE NUMBER    4
PARITY= 0.00000E+00 NOT +1.0 OR -1.0    SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                  SEQUENCE NUMBER    6
```

---

dec-019\_K\_052.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 344, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                  SEQUENCE NUMBER    6
```

---

dec-019\_K\_053.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 345, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                  SEQUENCE NUMBER    7
```

---

dec-019\_K\_054.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 346, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                  SEQUENCE NUMBER    5
```

---

dec-019\_K\_055.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.



ERROR(S) FOUND IN MAT= 347, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-020\_Ca\_034.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 348, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 348, MF= 1, MT=451  
Z NOT IN RANGE 1.00000E+00 TO 1.80000E+01 SEQUENCE NUMBER 1

---

dec-020\_Ca\_035.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 349, MF= 8, MT=457  
7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 6  
7 IN RTYPE = 2.77000E+00 IS INVALID NEAR SEQUENCE NUMBER 7  
7 IN RTYPE = 2.77000E+00 IS INVALID NEAR SEQUENCE NUMBER 7  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 349, MF= 1, MT=451  
Z NOT IN RANGE 1.00000E+00 TO 1.90000E+01 SEQUENCE NUMBER 1

---

dec-020\_Ca\_036.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 350, MF= 8, MT=457  
7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 6  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

- The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 350, MF= 1, MT=451
      Z NOT IN RANGE  1.00000E+00 TO  1.90000E+01  SEQUENCE NUMBER      1

```

---

dec-020\_Ca\_037.endf

---

- **fizcon** Non-errors:

- Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 351, MF= 8, MT=457
      7 IN RTYPE =  2.70000E+00 IS INVALID          NEAR SEQUENCE NUMBER      6
      NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER          6

```

---

dec-020\_Ca\_038.endf

---

- Passed All Checks!

---

dec-020\_Ca\_039.endf

---

- **fizcon** Errors:

- Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT= 353, MF= 8, MT=457
      E.C. AVERAGE ENERGY SUMUP FAILURE
      WHOLE= 2.56027E+06  SUM= 2.55108E+06

```

---

dec-020\_Ca\_040.endf

---

- **fizcon** Non-errors:

- Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 354, MF= 8, MT=457
      BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00  SUM= 0.00000E+00          SEQUENCE NUMBER      4
      NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER          5

```

---

dec-020\_Ca\_041.endf

---

- Passed All Checks!

---

dec-020\_Ca\_042.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 356, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-020\_Ca\_043.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 357, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-020\_Ca\_044.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 358, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-020\_Ca\_045.endf

---

- Passed All Checks!

---

dec-020\_Ca\_046.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 360, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-020\_Ca\_047.endf

---

- Passed All Checks!

---

dec-020\_Ca\_048.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 362, MF= 8, MT=457
  T12 NOT IN RANGE 0.00000E+00 TO 1.00000E+24 SEQUENCE NUMBER 3
  NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6
```

---

dec-020\_Ca\_049.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 363, MF= 8, MT=457
  BETA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 8.63635E+05 SUM= 8.60624E+05
```

---

dec-020\_Ca\_050.endf

---

- Passed All Checks!

---

dec-020\_Ca\_051.endf

---

- Passed All Checks!

---

dec-020\_Ca\_052.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 366, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6
```

---

dec-020\_Ca\_053.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 367, MF= 8, MT=457
  NEGATIVE SPIN NOT ALLOWED SEQUENCE NUMBER 4
  SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL SEQUENCE NUMBER 4
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4
  NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6
```

---

dec-020\_Ca\_054.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 368, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-020\_Ca\_055.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 369, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-020\_Ca\_056.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 370, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-020\_Ca\_057.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 371, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-021\_Sc\_036.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 372, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

- The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 372, MF= 1, MT=451
      Z NOT IN RANGE  1.00000E+00 TO  1.90000E+01  SEQUENCE NUMBER      1

```

---

dec-021\_Sc\_037.endf

---

- **fizcon** Non-errors:

- Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 373, MF= 8, MT=457
      NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER      5

```

- The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 373, MF= 1, MT=451
      Z NOT IN RANGE  1.00000E+00 TO  2.00000E+01  SEQUENCE NUMBER      1

```

---

dec-021\_Sc\_038.endf

---

- **fizcon** Non-errors:

- Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 374, MF= 8, MT=457
      NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER      5

```

- The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 374, MF= 1, MT=451
      Z NOT IN RANGE  1.00000E+00 TO  2.00000E+01  SEQUENCE NUMBER      1

```

---

dec-021\_Sc\_039.endf

---

- **fizcon** Non-errors:

- Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 375, MF= 8, MT=457
      NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER      5

```

\_\_\_\_\_dec-021\_Sc\_040.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-021\_Sc\_041.endf\_\_\_\_\_

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 377, MF= 8, MT=457
E.C. AVERAGE ENERGY SUMUP FAILURE
WHOLE= 2.54132E+06 SUM= 2.53237E+06
```

\_\_\_\_\_dec-021\_Sc\_042.endf\_\_\_\_\_

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 378, MF= 8, MT=457
E.C. AVERAGE ENERGY SUMUP FAILURE
WHOLE= 2.50771E+06 SUM= 2.49892E+06
```

\_\_\_\_\_dec-021\_Sc\_042m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-021\_Sc\_043.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-021\_Sc\_044.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-021\_Sc\_044m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-021\_Sc\_045.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 383, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5
```

\_\_\_\_\_dec-021\_Sc\_045m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-021\_Sc\_046.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-021\_Sc\_046m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-021\_Sc\_047.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-021\_Sc\_048.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-021\_Sc\_049.endf\_\_\_\_\_

- **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 389, MF= 8, MT=457  
BETA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 8.23654E+05 SUM= 8.20806E+05

\_\_\_\_\_dec-021\_Sc\_050.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-021\_Sc\_050m1.endf\_\_\_\_\_

- **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 391, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 2.56895E+05 SUM= 2.51242E+05 SEQUENCE NUMBER 1

\_\_\_\_\_dec-021\_Sc\_051.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-021\_Sc\_052.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-021\_Sc\_053.endf\_\_\_\_\_



- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 394, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5

```

---

dec-021\_Sc\_054.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 395, MF= 8, MT=457
NEGATIVE SPIN NOT ALLOWED                            SEQUENCE NUMBER    4
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL            SEQUENCE NUMBER    4
PARITY= 0.00000E+00 NOT +1.0 OR -1.0               SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5

```

---

dec-021\_Sc\_055.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 396, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5

```

---

dec-021\_Sc\_056.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 397, MF= 8, MT=457
NEGATIVE SPIN NOT ALLOWED                            SEQUENCE NUMBER    4
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL            SEQUENCE NUMBER    4
PARITY= 0.00000E+00 NOT +1.0 OR -1.0               SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    6

```

---

dec-021\_Sc\_057.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 398, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-021\_Sc\_058.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 399, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-021\_Sc\_059.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 400, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-021\_Sc\_060.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 401, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-022\_Ti\_038.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 402, MF= 8, MT=457  
7 IN RTYPE = 7.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 5  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 402, MF= 1, MT=451  
Z NOT IN RANGE 1.00000E+00 TO 2.00000E+01 SEQUENCE NUMBER 1

---

dec-022\_Ti\_039.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 403, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER 5
NO DECAY SPECTRA GIVEN                   SEQUENCE NUMBER 5
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 403, MF= 1, MT=451
  Z NOT IN RANGE 1.00000E+00 TO 2.10000E+01 SEQUENCE NUMBER 1
```

---

dec-022\_Ti\_040.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 404, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER 5
NO DECAY SPECTRA GIVEN                   SEQUENCE NUMBER 5
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 404, MF= 1, MT=451
  Z NOT IN RANGE 1.00000E+00 TO 2.10000E+01 SEQUENCE NUMBER 1
```

---

dec-022\_Ti\_041.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 405, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER 5
NO DECAY SPECTRA GIVEN                   SEQUENCE NUMBER 5
```

---

dec-022\_Ti\_042.endf

---

- Passed All Checks!

---

dec-022\_Ti\_043.endf

---

- Passed All Checks!

---

dec-022\_Ti\_044.endf

---

- Passed All Checks!

---

dec-022\_Ti\_045.endf

---

- Passed All Checks!

---

dec-022\_Ti\_046.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 410, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5
```

---

dec-022\_Ti\_047.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 411, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5
```

---

dec-022\_Ti\_048.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 412, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5
```

---

dec-022\_Ti\_049.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 413, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5
```

---

dec-022\_Ti\_050.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 414, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5
```

---

dec-022\_Ti\_051.endf

---

- Passed All Checks!

---

dec-022\_Ti\_052.endf

---

- Passed All Checks!

---

dec-022\_Ti\_053.endf

---

- Passed All Checks!

---

dec-022\_Ti\_054.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 418, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5
```

---

dec-022\_Ti\_055.endf

---

- Passed All Checks!

---

dec-022\_Ti\_056.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 420, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-022\_Ti\_057.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 421, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-022\_Ti\_058.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 422, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-022\_Ti\_059.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 423, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-022\_Ti\_060.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 424, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-022\_Ti\_061.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 425, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-022\_Ti\_062.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 426, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-022\_Ti\_063.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 427, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-023\_V\_040.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 428, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 428, MF= 1, MT=451  
Z NOT IN RANGE 1.00000E+00 TO 2.10000E+01 SEQUENCE NUMBER 1

---

dec-023\_V\_041.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 429, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

- The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 429, MF= 1, MT=451
      Z NOT IN RANGE  1.00000E+00 TO  2.20000E+01  SEQUENCE NUMBER      1

```

---

dec-023\_V\_042.endf

---

- **fizcon** Non-errors:

- Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 430, MF= 8, MT=457
      NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER      5

```

- The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 430, MF= 1, MT=451
      Z NOT IN RANGE  1.00000E+00 TO  2.20000E+01  SEQUENCE NUMBER      1

```

---

dec-023\_V\_043.endf

---

- **fizcon** Non-errors:

- Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 431, MF= 8, MT=457
      NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER      5

```

---

dec-023\_V\_044.endf

---

- Passed All Checks!

---

dec-023\_V\_044m1.endf

---

- Passed All Checks!

---

dec-023\_V\_045.endf

---

- Passed All Checks!

---

dec-023\_V\_046.endf

---

- **fizcon** Errors:

- Energies released in decay not adding up!



ERROR(S) FOUND IN MAT= 435, MF= 8, MT=457  
E.C. AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 2.81471E+06 SUM= 2.80472E+06

---

dec-023\_V\_046m1.endf

---

- Passed All Checks!

---

dec-023\_V\_047.endf

---

- fizcon Errors:

1. Beta spectrum integral too small

ERROR(S) FOUND IN MAT= 437, MF= 8, MT=457  
FT VALUE TOO SMALL SEQUENCE NUMBER 53  
FT= 1.91325E+02 E= 1.13624E+06 I= 19 SEQUENCE NUMBER 53

---

dec-023\_V\_048.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 438, MF= 8, MT=457  
E.C. MULTIPLICITY SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 1.00651E+00

---

dec-023\_V\_049.endf

---

- Passed All Checks!

---

dec-023\_V\_050.endf

---

- fizcon Non-errors:

1. The halflife given in the file really is correct, despite what FIZCON says

ERROR(S) FOUND IN MAT= 440, MF= 8, MT=457  
T12 NOT IN RANGE 0.00000E+00 TO 1.00000E+24 SEQUENCE NUMBER 3

---

dec-023\_V\_051.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 441, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-023\_V\_052.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 442, MF= 8, MT=457  
BETA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 1.06863E+06 SUM= 1.06435E+06

---

dec-023\_V\_053.endf

---

• Passed All Checks!

---

dec-023\_V\_054.endf

---

• Passed All Checks!

---

dec-023\_V\_055.endf

---

• Passed All Checks!

---

dec-023\_V\_056.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 446, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-023\_V\_057.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 447, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-023\_V\_058.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 448, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-023\_V\_059.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 449, MF= 8, MT=457
NEGATIVE SPIN NOT ALLOWED                           SEQUENCE NUMBER 4
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL            SEQUENCE NUMBER 4
PARITY= 0.00000E+00 NOT +1.0 OR -1.0               SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-023\_V\_060.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 450, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-023\_V\_061.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 451, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-023\_V\_062.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 452, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-023\_V\_063.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 453, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-023\_V\_064.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 454, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-023\_V\_065.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 455, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-024\_Cr\_042.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 456, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 456, MF= 1, MT=451  
Z NOT IN RANGE 1.00000E+00 TO 2.20000E+01 SEQUENCE NUMBER 1

---

dec-024\_Cr\_043.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 457, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER    6
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER        6

```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 457, MF= 1, MT=451
  Z NOT IN RANGE 1.00000E+00 TO 2.30000E+01 SEQUENCE NUMBER    1

```

---

dec-024\_Cr\_044.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 458, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER    6
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER        6

```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 458, MF= 1, MT=451
  Z NOT IN RANGE 1.00000E+00 TO 2.30000E+01 SEQUENCE NUMBER    1

```

---

dec-024\_Cr\_045.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 459, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER    6
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER        6

```

---

dec-024\_Cr\_046.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 460, MF= 8, MT=457  
E.C. AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 3.08324E+06 SUM= 3.07215E+06

---

dec-024\_Cr\_047.endf

---

- Passed All Checks!

---

dec-024\_Cr\_048.endf

---

- Passed All Checks!

---

dec-024\_Cr\_049.endf

---

- Passed All Checks!

---

dec-024\_Cr\_050.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 464, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-024\_Cr\_051.endf

---

- Passed All Checks!

---

dec-024\_Cr\_052.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 466, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-024\_Cr\_053.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 467, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-024\_Cr\_054.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 468, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-024\_Cr\_055.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 469, MF= 8, MT=457
BETA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 1.10099E+06  SUM= 1.09647E+06
```

---

dec-024\_Cr\_056.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 470, MF= 8, MT=457
BETA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 5.95700E+05  SUM= 5.93942E+05
```

---

dec-024\_Cr\_057.endf

---

- Passed All Checks!

---

dec-024\_Cr\_058.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 472, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-024\_Cr\_059.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 473, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-024\_Cr\_060.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 474, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-024\_Cr\_061.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 475, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-024\_Cr\_062.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 476, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-024\_Cr\_063.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.



ERROR(S) FOUND IN MAT= 477, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-024\_Cr\_064.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 478, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-024\_Cr\_065.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 479, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-024\_Cr\_066.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 480, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-024\_Cr\_067.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 481, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-025\_Mn\_044.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 482, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 482, MF= 1, MT=451  
Z NOT IN RANGE 1.00000E+00 TO 2.30000E+01 SEQUENCE NUMBER 1

---

dec-025\_Mn\_045.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 483, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 483, MF= 1, MT=451  
Z NOT IN RANGE 1.00000E+00 TO 2.40000E+01 SEQUENCE NUMBER 1

---

dec-025\_Mn\_046.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 484, MF= 8, MT=457  
7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 6  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 484, MF= 1, MT=451  
Z NOT IN RANGE 1.00000E+00 TO 2.40000E+01 SEQUENCE NUMBER 1

---

dec-025\_Mn\_047.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 485, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER    6
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER        6
```

---

dec-025\_Mn\_048.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 486, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER    7
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER        7
```

---

dec-025\_Mn\_049.endf

---

- Passed All Checks!

---

dec-025\_Mn\_050.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 488, MF= 8, MT=457
  E.C. AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 3.09976E+06  SUM= 3.08873E+06
```

---

dec-025\_Mn\_050m1.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 489, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER        5
```

---

dec-025\_Mn\_051.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 490, MF= 8, MT=457
  E.C. AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 9.34723E+05  SUM= 9.32952E+05
```

\_\_\_\_\_dec-025\_Mn\_052.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-025\_Mn\_052m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-025\_Mn\_053.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-025\_Mn\_054.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-025\_Mn\_055.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 495, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER      4
      NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER      5
```

\_\_\_\_\_dec-025\_Mn\_056.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-025\_Mn\_057.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-025\_Mn\_058.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-025\_Mn\_058m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-025\_Mn\_059.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-025\_Mn\_060.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-025\_Mn\_060m1.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 502, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-025\_Mn\_061.endf

---

- Passed All Checks!

---

dec-025\_Mn\_062.endf

---

- Passed All Checks!

---

dec-025\_Mn\_062m1.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 505, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT= 505, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-025\_Mn\_063.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 506, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-025\_Mn\_064.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 507, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-025\_Mn\_065.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 508, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-025\_Mn\_066.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 509, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-025\_Mn\_067.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 510, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-025\_Mn\_068.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 511, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 1.37413E+07 SUM= 8.37926E+06 SEQUENCE NUMBER 1  
GAMMA AVERAGE ENERGY SUMUP FAILURE  
...

---

dec-025\_Mn\_069.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 512, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-026\_Fe\_045.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 513, MF= 8, MT=457  
7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 5  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 513, MF= 1, MT=451  
Z NOT IN RANGE 1.00000E+00 TO 2.40000E+01 SEQUENCE NUMBER 1

---

dec-026\_Fe\_046.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 514, MF= 8, MT=457  
7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 6  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 514, MF= 1, MT=451  
Z NOT IN RANGE 1.00000E+00 TO 2.40000E+01 SEQUENCE NUMBER 1

---

dec-026\_Fe\_047.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 515, MF= 8, MT=457  
7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 6  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

- The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 515, MF= 1, MT=451
      Z NOT IN RANGE  1.00000E+00 TO  2.50000E+01  SEQUENCE NUMBER      1

```

---

dec-026\_Fe\_048.endf

---

- **fizcon** Non-errors:

- Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 516, MF= 8, MT=457
      7 IN RTYPE =  2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER      6
      NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER          6

```

- The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 516, MF= 1, MT=451
      Z NOT IN RANGE  1.00000E+00 TO  2.50000E+01  SEQUENCE NUMBER      1

```

---

dec-026\_Fe\_049.endf

---

- **fizcon** Non-errors:

- Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 517, MF= 8, MT=457
      7 IN RTYPE =  2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER      6
      NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER          6

```

---

dec-026\_Fe\_050.endf

---

- **fizcon** Non-errors:

- Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 518, MF= 8, MT=457
      NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER          5

```

---

dec-026\_Fe\_051.endf

---

- Passed All Checks!

---

dec-026\_Fe\_052.endf

---



- Passed All Checks!

---

dec-026\_Fe\_052m1.endf

---

- fizcon Non-errors:

1. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT= 521, MF= 1, MT=451
      ELIS NOT IN RANGE 0.00000E+00 TO 3.00000E+06 SEQUENCE NUMBER 3
```

---

dec-026\_Fe\_053.endf

---

- Passed All Checks!

---

dec-026\_Fe\_053m1.endf

---

- fizcon Non-errors:

1. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT= 523, MF= 1, MT=451
      ELIS NOT IN RANGE 0.00000E+00 TO 3.00000E+06 SEQUENCE NUMBER 3
```

---

dec-026\_Fe\_054.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 524, MF= 8, MT=457
      BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4
      NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5
```

---

dec-026\_Fe\_055.endf

---

- Passed All Checks!

---

dec-026\_Fe\_056.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 526, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-026\_Fe\_057.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 527, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-026\_Fe\_058.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 528, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-026\_Fe\_059.endf

---

• Passed All Checks!

---

dec-026\_Fe\_060.endf

---

• Passed All Checks!

---

dec-026\_Fe\_061.endf

---

• Passed All Checks!

---

dec-026\_Fe\_062.endf

---

• Passed All Checks!

---

dec-026\_Fe\_063.endf

---

• Passed All Checks!

---

dec-026\_Fe\_064.endf

---

- Passed All Checks!

---

dec-026\_Fe\_065.endf

---

- Passed All Checks!

---

dec-026\_Fe\_065m1.endf

---

- Passed All Checks!

---

dec-026\_Fe\_066.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 537, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-026\_Fe\_067.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 538, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-026\_Fe\_068.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 539, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-026\_Fe\_069.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 540, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-026\_Fe\_070.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 541, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-026\_Fe\_071.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 542, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-026\_Fe\_072.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 543, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

---

dec-027\_Co\_049.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 544, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 544, MF= 1, MT=451
Z NOT IN RANGE 1.00000E+00 TO 2.60000E+01 SEQUENCE NUMBER    1
```

---

dec-027\_Co\_050.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 545, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER    6
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER        6

```

- The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 545, MF= 1, MT=451
  Z NOT IN RANGE 1.00000E+00 TO 2.60000E+01 SEQUENCE NUMBER    1

```

---

dec-027\_Co\_051.endf

---

- **fizcon** Non-errors:

- Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 546, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER        5

```

---

dec-027\_Co\_052.endf

---

- **fizcon** Non-errors:

- Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 547, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER        5

```

---

dec-027\_Co\_053.endf

---

- Passed All Checks!

---

dec-027\_Co\_053m1.endf

---

- **fizcon** Non-errors:

- Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 549, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER        6

```

- We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```

ERROR(S) FOUND IN MAT= 549, MF= 1, MT=451
  ELIS NOT IN RANGE 0.00000E+00 TO 3.00000E+06 SEQUENCE NUMBER    3

```

\_\_\_\_\_dec-027\_Co\_054.endf\_\_\_\_\_

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 550, MF= 8, MT=457
E.C. AVERAGE ENERGY SUMUP FAILURE
WHOLE= 3.39987E+06 SUM= 3.38779E+06
```

\_\_\_\_\_dec-027\_Co\_054m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-027\_Co\_055.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-027\_Co\_056.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-027\_Co\_057.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-027\_Co\_058.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-027\_Co\_058m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-027\_Co\_059.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 557, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5
```

\_\_\_\_\_dec-027\_Co\_060.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-027\_Co\_060m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-027\_Co\_061.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-027\_Co\_062.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-027\_Co\_062m1.endf\_\_\_\_\_

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 562, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

\_\_\_\_\_dec-027\_Co\_063.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-027\_Co\_064.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-027\_Co\_065.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-027\_Co\_066.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-027\_Co\_067.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-027\_Co\_068.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-027\_Co\_068m1.endf\_\_\_\_\_

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 569, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT= 569, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-027\_Co\_069.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 570, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-027\_Co\_070.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 571, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-027\_Co\_070m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 572, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT= 572, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-027\_Co\_071.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 573, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6



---

dec-027\_Co\_072.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 574, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 1.41253E+07  SUM= 8.71832E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
...
```

---

dec-027\_Co\_073.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 575, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 1.26937E+07  SUM= 7.04540E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
...
```

---

dec-027\_Co\_074.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 576, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 1.53702E+07  SUM= 9.41223E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
...
```

---

dec-027\_Co\_075.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 577, MF= 8, MT=457
PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 1.44164E+07  SUM= 8.09897E+06          SEQUENCE NUMBER    1
...
```

---

dec-028\_Ni\_048.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 578, MF= 8, MT=457
  7 IN RTYPE = 7.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER    6
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER        6
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 578, MF= 1, MT=451
  Z NOT IN RANGE 1.00000E+00 TO 2.50000E+01 SEQUENCE NUMBER    1
```

---

dec-028\_Ni\_049.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 579, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER    5
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER        6
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 579, MF= 1, MT=451
  Z NOT IN RANGE 1.00000E+00 TO 2.60000E+01 SEQUENCE NUMBER    1
```

---

dec-028\_Ni\_050.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 580, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER    6
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER        6
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 580, MF= 1, MT=451
  Z NOT IN RANGE 1.00000E+00 TO 2.60000E+01 SEQUENCE NUMBER    1
```

---

dec-028\_Ni\_051.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 581, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 581, MF= 1, MT=451
Z NOT IN RANGE 1.00000E+00 TO 2.70000E+01 SEQUENCE NUMBER    1
```

---

dec-028\_Ni\_052.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 582, MF= 8, MT=457
7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER    6
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 582, MF= 1, MT=451
Z NOT IN RANGE 1.00000E+00 TO 2.70000E+01 SEQUENCE NUMBER    1
```

---

dec-028\_Ni\_053.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 583, MF= 8, MT=457
7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER    6
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

---

dec-028\_Ni\_054.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 584, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5

```

---

dec-028\_Ni\_055.endf

---

- Passed All Checks!

---

dec-028\_Ni\_056.endf

---

- Passed All Checks!

---

dec-028\_Ni\_057.endf

---

- Passed All Checks!

---

dec-028\_Ni\_058.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 588, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00           SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5

```

---

dec-028\_Ni\_059.endf

---

- Passed All Checks!

---

dec-028\_Ni\_060.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 590, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00           SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5

```

---

dec-028\_Ni\_061.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 591, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                          SEQUENCE NUMBER 5
```

---

dec-028\_Ni\_062.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 592, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                          SEQUENCE NUMBER 5
```

---

dec-028\_Ni\_063.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 593, MF= 8, MT=457
BETA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 1.74250E+04  SUM= 1.74314E+04
```

---

dec-028\_Ni\_064.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 594, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                          SEQUENCE NUMBER 5
```

---

dec-028\_Ni\_065.endf

---

- Passed All Checks!

---

dec-028\_Ni\_066.endf

---

- Passed All Checks!

---

dec-028\_Ni\_067.endf

---

- Passed All Checks!

---

dec-028\_Ni\_068.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 598, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 5

---

dec-028\_Ni\_069.endf

---

- Passed All Checks!

---

dec-028\_Ni\_069m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 600, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 5

---

dec-028\_Ni\_070.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 601, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 5

---

dec-028\_Ni\_071.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 602, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 5

---

dec-028\_Ni\_072.endf

---

- **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

ERROR(S) FOUND IN MAT= 603, MF= 8, MT=457  
NORMALIZATION CHECK INTEGRAL= 1.11050E+00 BEFORE SEQUENCE NUMBER 371  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 5.55718E+06 SUM= 3.44833E+06 SEQUENCE NUMBER 1

...

---

dec-028\_Ni\_073.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 604, MF= 8, MT=457  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 8.83804E+06 SUM= 6.43908E+06 SEQUENCE NUMBER 1

...

---

dec-028\_Ni\_074.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 605, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 7.24542E+06 SUM= 4.65589E+06 SEQUENCE NUMBER 1  
GAMMA AVERAGE ENERGY SUMUP FAILURE

...

---

dec-028\_Ni\_075.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 606, MF= 8, MT=457  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 9.60790E+06 SUM= 6.74379E+06 SEQUENCE NUMBER 1

...

---

dec-028\_Ni\_076.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 607, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 8.26048E+06  SUM= 5.11915E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-028\_Ni\_077.endif

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 608, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 8.56513E+06  SUM= 5.57276E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-028\_Ni\_078.endif

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 609, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 8.93730E+06  SUM= 5.46572E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-029\_Cu\_052.endif

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 610, MF= 8, MT=457
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 610, MF= 1, MT=451
Z NOT IN RANGE 1.00000E+00 TO 2.70000E+01  SEQUENCE NUMBER    1
```

---

dec-029\_Cu\_053.endif

---



• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 611, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 611, MF= 1, MT=451
Z NOT IN RANGE 1.00000E+00 TO 2.80000E+01 SEQUENCE NUMBER    1
```

---

dec-029\_Cu\_054.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 612, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 612, MF= 1, MT=451
Z NOT IN RANGE 1.00000E+00 TO 2.80000E+01 SEQUENCE NUMBER    1
```

---

dec-029\_Cu\_055.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 613, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

---

dec-029\_Cu\_056.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 614, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-029\_Cu\_057.endf

---

- Passed All Checks!

---

dec-029\_Cu\_058.endf

---

- Passed All Checks!

---

dec-029\_Cu\_059.endf

---

- Passed All Checks!

---

dec-029\_Cu\_060.endf

---

- Passed All Checks!

---

dec-029\_Cu\_061.endf

---

- Passed All Checks!

---

dec-029\_Cu\_062.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 620, MF= 8, MT=457
  E.C. AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 1.29037E+06  SUM= 1.28742E+06
```

---

dec-029\_Cu\_063.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 621, MF= 8, MT=457
  BRANCHING RATIO SUMUP FAILURE
    WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
  NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER    5
```

---

dec-029\_Cu\_064.endf

---

- Passed All Checks!

---

dec-029\_Cu\_065.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 623, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5

```

---

dec-029\_Cu\_066.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT= 624, MF= 8, MT=457
BETA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 1.06663E+06  SUM= 1.06151E+06

```

---

dec-029\_Cu\_067.endf

---

- Passed All Checks!

---

dec-029\_Cu\_068.endf

---

- fizcon Errors:

1. Beta spectrum integral too small

```

ERROR(S) FOUND IN MAT= 626, MF= 8, MT=457
  FT VALUE TOO SMALL                                SEQUENCE NUMBER    60
  FT= 2.02869E+05  E= 1.68895E+06  I= 19          SEQUENCE NUMBER    60
  FT VALUE TOO SMALL                                SEQUENCE NUMBER    62
  FT= 4.91424E+05  E= 1.92980E+06  I= 20          SEQUENCE NUMBER    62
  FT VALUE TOO SMALL                                SEQUENCE NUMBER    64
  FT= 8.22219E+05  E= 2.06970E+06  I= 21          SEQUENCE NUMBER    64

```

---

dec-029\_Cu\_068m1.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 627, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    6

```

---

dec-029\_Cu\_069.endf

---

- Passed All Checks!

---

dec-029\_Cu\_070.endf

---

- Passed All Checks!

---

dec-029\_Cu\_070m1.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 630, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6

```

---

dec-029\_Cu\_070m2.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 631, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6

```

---

dec-029\_Cu\_071.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 632, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5

```

---

dec-029\_Cu\_072.endf

---

- fizcon Errors:

1. Beta spectrum integral too small

```

ERROR(S) FOUND IN MAT= 633, MF= 8, MT=457
PARITY= 0.00000E+00 NOT +1.0 OR -1.0                SEQUENCE NUMBER    4
FT VALUE TOO SMALL                                  SEQUENCE NUMBER    141
FT= 4.63953E+05 E= 4.70035E+06 I= 65                SEQUENCE NUMBER    141

```

---

dec-029\_Cu\_073.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 634, MF= 8, MT=457  
NEUTRON AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 2.96087E+01 SUM= 3.14942E+01

---

dec-029\_Cu\_074.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 635, MF= 8, MT=457  
E(MAXIMUM) > Q E= 1.52000E+06 Q= 1.51588E+06 SEQUENCE NUMBER 119  
NEUTRON AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 2.72873E+02 SUM= 2.80449E+02

---

dec-029\_Cu\_075.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 636, MF= 8, MT=457  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 7.91724E+06 SUM= 4.74292E+06 SEQUENCE NUMBER 1

...

---

dec-029\_Cu\_076.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 637, MF= 8, MT=457  
NEUTRON AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 1.20556E+04 SUM= 1.23699E+04

---

dec-029\_Cu\_076m1.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 638, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT= 638, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-029\_Cu\_077.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

ERROR(S) FOUND IN MAT= 639, MF= 8, MT=457  
NORMALIZATION CHECK INTEGRAL= 1.00388E+00 BEFORE SEQUENCE NUMBER 827  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 9.69367E+06 SUM= 5.89452E+06 SEQUENCE NUMBER 1

...

---

dec-029\_Cu\_078.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 640, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 1.04776E+07 SUM= 6.89246E+06 SEQUENCE NUMBER 1  
GAMMA AVERAGE ENERGY SUMUP FAILURE

...

---

dec-029\_Cu\_079.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 641, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 9.32245E+06 SUM= 5.54353E+06 SEQUENCE NUMBER 1  
GAMMA AVERAGE ENERGY SUMUP FAILURE

...

---

dec-029\_Cu\_080.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 642, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 1.13280E+07 SUM= 7.30892E+06 SEQUENCE NUMBER 1  
GAMMA AVERAGE ENERGY SUMUP FAILURE

...

---

dec-029\_Cu\_081.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 643, MF= 8, MT=457
E(MAXIMUM) > Q E= 1.40600E+07 Q= 1.16340E+04 SEQUENCE NUMBER 10
E(MAXIMUM) > Q E= 1.05800E+07 Q= 1.16340E+04 SEQUENCE NUMBER 483
E(MAXIMUM) > Q E= 1.14400E+07 Q= 1.16340E+04 SEQUENCE NUMBER 840
...
```

---

dec-030\_Zn\_054.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 644, MF= 8, MT=457
7 IN RTYPE = 7.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 5
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 644, MF= 1, MT=451
Z NOT IN RANGE 1.00000E+00 TO 2.80000E+01 SEQUENCE NUMBER 1
```

---

dec-030\_Zn\_055.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 645, MF= 8, MT=457
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 645, MF= 1, MT=451
Z NOT IN RANGE 1.00000E+00 TO 2.90000E+01 SEQUENCE NUMBER 1
```

---

dec-030\_Zn\_056.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 646, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5

```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```

ERROR(S) FOUND IN MAT= 646, MF= 1, MT=451
Z NOT IN RANGE 1.00000E+00 TO 2.90000E+01 SEQUENCE NUMBER    1

```

---

dec-030\_Zn\_057.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 647, MF= 8, MT=457
7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER    6
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6

```

---

dec-030\_Zn\_058.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 648, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5

```

---

dec-030\_Zn\_059.endf

---

- Passed All Checks!

---

dec-030\_Zn\_060.endf

---

- Passed All Checks!

---

dec-030\_Zn\_061.endf

---

- Passed All Checks!

---

dec-030\_Zn\_061m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.



ERROR(S) FOUND IN MAT= 652, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-030\_Zn\_061m2.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 653, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-030\_Zn\_062.endf

---

- Passed All Checks!

---

dec-030\_Zn\_063.endf

---

- Passed All Checks!

---

dec-030\_Zn\_064.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 656, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-030\_Zn\_065.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 657, MF= 8, MT=457  
E.C. AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 2.02493E+03 SUM= 2.04034E+03

---

dec-030\_Zn\_066.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 658, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER 5
```

---

dec-030\_Zn\_067.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 659, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER 5
```

---

dec-030\_Zn\_068.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 660, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER 5
```

---

dec-030\_Zn\_069.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 661, MF= 8, MT=457
BETA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 3.21598E+05  SUM= 3.23022E+05
```

---

dec-030\_Zn\_069m1.endf

---

- Passed All Checks!

---

dec-030\_Zn\_070.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 663, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-030\_Zn\_071.endf

- Passed All Checks!

---

dec-030\_Zn\_071m1.endf

- Passed All Checks!

---

dec-030\_Zn\_072.endf

- Passed All Checks!

---

dec-030\_Zn\_073.endf

- Passed All Checks!

---

dec-030\_Zn\_073m1.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 668, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT= 668, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-030\_Zn\_073m2.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 669, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-030\_Zn\_074.endf

- **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

ERROR(S) FOUND IN MAT= 670, MF= 8, MT=457  
NORMALIZATION CHECK INTEGRAL= 1.00333E+00 BEFORE SEQUENCE NUMBER 167  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 2.29287E+06 SUM= 1.41554E+06 SEQUENCE NUMBER 1

...

---

dec-030\_Zn\_075.endf

---

- Passed All Checks!

---

dec-030\_Zn\_076.endf

---

- Passed All Checks!

---

dec-030\_Zn\_077.endf

---

- Passed All Checks!

---

dec-030\_Zn\_077m1.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 674, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-030\_Zn\_078.endf

---

- Passed All Checks!

---

dec-030\_Zn\_079.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

ERROR(S) FOUND IN MAT= 676, MF= 8, MT=457  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
NORMALIZATION CHECK INTEGRAL= 1.00448E+00 BEFORE SEQUENCE NUMBER 570  
TOTAL ENERGY RELEASE SUMUP FAILURE

...

---

dec-030\_Zn\_080.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 677, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 7.52758E+06  SUM= 5.30220E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-030\_Zn\_081.endf

---

• **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT= 678, MF= 8, MT=457
PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
NORMALIZATION CHECK INTEGRAL= 1.00737E+00 BEFORE SEQUENCE NUMBER 856
TOTAL ENERGY RELEASE SUMUP FAILURE
```

...

---

dec-030\_Zn\_082.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 679, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 9.17289E+06  SUM= 5.35428E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-030\_Zn\_083.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 680, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 1.21427E+07  SUM= 6.76239E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-031\_Ga\_056.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 681, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 681, MF= 1, MT=451  
Z NOT IN RANGE 1.00000E+00 TO 2.90000E+01 SEQUENCE NUMBER 1

---

dec-031\_Ga\_057.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 682, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 682, MF= 1, MT=451  
Z NOT IN RANGE 1.00000E+00 TO 3.00000E+01 SEQUENCE NUMBER 1

---

dec-031\_Ga\_058.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 683, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

ERROR(S) FOUND IN MAT= 683, MF= 1, MT=451  
Z NOT IN RANGE 1.00000E+00 TO 3.00000E+01 SEQUENCE NUMBER 1

---

dec-031\_Ga\_059.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 684, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 5

\_\_\_\_\_dec-031\_Ga\_060.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-031\_Ga\_061.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 686, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 5

\_\_\_\_\_dec-031\_Ga\_062.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-031\_Ga\_063.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-031\_Ga\_064.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-031\_Ga\_065.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-031\_Ga\_066.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-031\_Ga\_067.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-031\_Ga\_068.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-031\_Ga\_069.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 694, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-031\_Ga\_070.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 695, MF= 8, MT=457  
BETA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 6.43981E+05 SUM= 6.40412E+05

---

dec-031\_Ga\_071.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 696, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-031\_Ga\_072.endf

---

• Passed All Checks!

---

dec-031\_Ga\_072m1.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 698, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-031\_Ga\_073.endf

---

• Passed All Checks!

---

dec-031\_Ga\_074.endf

---

• Passed All Checks!

---

dec-031\_Ga\_074m1.endf

---



- Passed All Checks!

---

dec-031\_Ga\_075.endf

---

- Passed All Checks!

---

dec-031\_Ga\_076.endf

---

- Passed All Checks!

---

dec-031\_Ga\_077.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 704, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 5.22153E+06  SUM= 2.78025E+06        SEQUENCE NUMBER    1
  ...
```

---

dec-031\_Ga\_078.endf

---

- Passed All Checks!

---

dec-031\_Ga\_079.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT= 706, MF= 8, MT=457
  NORMALIZATION CHECK INTEGRAL= 1.00618E+00 BEFORE SEQUENCE NUMBER  352
  NEUTRON AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 2.63742E+02  SUM= 2.71664E+02
```

---

dec-031\_Ga\_080.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT= 707, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  NORMALIZATION CHECK INTEGRAL= 1.00316E+00 BEFORE SEQUENCE NUMBER  300
  NEUTRON AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 2.75638E+03  SUM= 2.83515E+03
```

---

dec-031\_Ga\_081.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT= 708, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00305E+00 BEFORE SEQUENCE NUMBER 419
NEUTRON AVERAGE ENERGY SUMUP FAILURE
WHOLE= 4.41221E+04 SUM= 4.52813E+04
```

---

dec-031\_Ga\_082.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 709, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 1.16976E+07 SUM= 8.05112E+06 SEQUENCE NUMBER 1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-031\_Ga\_083.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 710, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 9.01925E+06 SUM= 5.24451E+06 SEQUENCE NUMBER 1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-031\_Ga\_084.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 711, MF= 8, MT=457
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 1.29964E+07 SUM= 8.06549E+06 SEQUENCE NUMBER 1
```

...

---

dec-031\_Ga\_085.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 712, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  E(MAXIMUM) > Q  E= 1.26400E+07  Q= 9.84600E+06  SEQUENCE NUMBER    10
  TOTAL ENERGY RELEASE SUMUP FAILURE
```

...

---

dec-031\_Ga\_086.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 713, MF= 8, MT=457
  TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 1.15511E+07  SUM= 6.63431E+06          SEQUENCE NUMBER    1
  GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-032\_Ge\_058.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 714, MF= 8, MT=457
  7 IN RTYPE = 7.70000E+00 IS INVALID          NEAR SEQUENCE NUMBER    5
  NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER        5
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 714, MF= 1, MT=451
  Z NOT IN RANGE 1.00000E+00 TO 3.00000E+01  SEQUENCE NUMBER    1
```

---

dec-032\_Ge\_059.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 715, MF= 8, MT=457
  7 IN RTYPE = 7.70000E+00 IS INVALID          NEAR SEQUENCE NUMBER    5
  NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER        5
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 715, MF= 1, MT=451
      Z NOT IN RANGE 1.00000E+00 TO 3.10000E+01 SEQUENCE NUMBER 1
```

---

dec-032\_Ge\_060.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 716, MF= 8, MT=457
      7 IN RTYPE = 7.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 6
      NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 716, MF= 1, MT=451
      Z NOT IN RANGE 1.00000E+00 TO 3.10000E+01 SEQUENCE NUMBER 1
```

---

dec-032\_Ge\_061.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 717, MF= 8, MT=457
      7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 6
      NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6
```

---

dec-032\_Ge\_062.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 718, MF= 8, MT=457
      NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5
```

---

dec-032\_Ge\_063.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 719, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-032\_Ge\_064.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 720, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-032\_Ge\_065.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 721, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-032\_Ge\_066.endf

- Passed All Checks!

---

dec-032\_Ge\_067.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 723, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-032\_Ge\_068.endf

- Passed All Checks!

---

dec-032\_Ge\_069.endf

- **fizcon** Errors:

1. Beta spectrum integral too small

```

ERROR(S) FOUND IN MAT= 725, MF= 8, MT=457
  FT VALUE TOO SMALL                               SEQUENCE NUMBER 126
  FT= 3.12759E+01 E= 1.12041E+06 I= 46           SEQUENCE NUMBER 126

```

---

dec-032\_Ge\_070.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 726, MF= 8, MT=457
  BRANCHING RATIO SUMUP FAILURE
    WHOLE= 1.00000E+00 SUM= 0.00000E+00           SEQUENCE NUMBER 4
  NO DECAY SPECTRA GIVEN                           SEQUENCE NUMBER 5

```

---

dec-032\_Ge\_071.endf

---

- Passed All Checks!

---

dec-032\_Ge\_071m1.endf

---

- Passed All Checks!

---

dec-032\_Ge\_072.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 729, MF= 8, MT=457
  BRANCHING RATIO SUMUP FAILURE
    WHOLE= 1.00000E+00 SUM= 0.00000E+00           SEQUENCE NUMBER 4
  NO DECAY SPECTRA GIVEN                           SEQUENCE NUMBER 5

```

---

dec-032\_Ge\_073.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 730, MF= 8, MT=457
  BRANCHING RATIO SUMUP FAILURE
    WHOLE= 1.00000E+00 SUM= 0.00000E+00           SEQUENCE NUMBER 4
  NO DECAY SPECTRA GIVEN                           SEQUENCE NUMBER 5

```

---

dec-032\_Ge\_073m1.endf

---

- Passed All Checks!

\_\_\_\_\_dec-032\_Ge\_074.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 732, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER    5
```

\_\_\_\_\_dec-032\_Ge\_075.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-032\_Ge\_075m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-032\_Ge\_076.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 735, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER    5
```

\_\_\_\_\_dec-032\_Ge\_077.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-032\_Ge\_077m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-032\_Ge\_078.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-032\_Ge\_079.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-032\_Ge\_079m1.endf\_\_\_\_\_

- Passed All Checks!

---

dec-032\_Ge\_080.endf

---

- Passed All Checks!

---

dec-032\_Ge\_081.endf

---

- Passed All Checks!

---

dec-032\_Ge\_081m1.endf

---

- Passed All Checks!

---

dec-032\_Ge\_082.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT= 744, MF= 8, MT=457
  NORMALIZATION CHECK INTEGRAL= 1.00228E+00 BEFORE SEQUENCE NUMBER 264
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 4.68802E+06  SUM= 3.57687E+06          SEQUENCE NUMBER 1
  ...
```

---

dec-032\_Ge\_083.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 745, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER 4
  E(MAXIMUM) > Q  E= 1.06000E+06  Q= 1.05534E+06  SEQUENCE NUMBER 553
  TOTAL ENERGY RELEASE SUMUP FAILURE
  ...
```

---

dec-032\_Ge\_084.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 746, MF= 8, MT=457
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 7.27107E+06  SUM= 4.14709E+06          SEQUENCE NUMBER 1
  GAMMA AVERAGE ENERGY SUMUP FAILURE
  ...
```

---

dec-032\_Ge\_085.endf

---

- fizcon Errors:



1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 747, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 9.98946E+06  SUM= 5.41028E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-032\_Ge\_086.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 748, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 9.00219E+06  SUM= 5.04808E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-032\_Ge\_087.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 749, MF= 8, MT=457
PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 1.11832E+07  SUM= 6.59094E+06          SEQUENCE NUMBER    1
```

...

---

dec-032\_Ge\_088.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 750, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 1.04846E+07  SUM= 5.82292E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-032\_Ge\_089.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 751, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 1.20946E+07 SUM= 6.75964E+06 SEQUENCE NUMBER 1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-033\_As\_060.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 752, MF= 8, MT=457
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 752, MF= 1, MT=451
Z NOT IN RANGE 1.00000E+00 TO 3.10000E+01 SEQUENCE NUMBER 1
```

---

dec-033\_As\_061.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 753, MF= 8, MT=457
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 753, MF= 1, MT=451
Z NOT IN RANGE 1.00000E+00 TO 3.20000E+01 SEQUENCE NUMBER 1
```

---

dec-033\_As\_062.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 754, MF= 8, MT=457
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5
```

2. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.

```
ERROR(S) FOUND IN MAT= 754, MF= 1, MT=451
      Z NOT IN RANGE 1.00000E+00 TO 3.20000E+01 SEQUENCE NUMBER 1
```

---

dec-033\_As\_063.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 755, MF= 8, MT=457
      NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5
```

---

dec-033\_As\_064.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 756, MF= 8, MT=457
      NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5
```

---

dec-033\_As\_065.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 757, MF= 8, MT=457
      NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5
```

---

dec-033\_As\_066.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 758, MF= 8, MT=457
      NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5
```

---

dec-033\_As\_067.endf

---

- Passed All Checks!

\_\_\_\_\_dec-033\_As\_068.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-033\_As\_069.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-033\_As\_070.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-033\_As\_071.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-033\_As\_072.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-033\_As\_073.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-033\_As\_074.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-033\_As\_075.endf\_\_\_\_\_

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 767, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
      NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER    5
```

\_\_\_\_\_dec-033\_As\_075m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-033\_As\_076.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-033\_As\_077.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-033\_As\_078.endf\_\_\_\_\_

- Passed All Checks!

---

dec-033\_As\_079.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 772, MF= 8, MT=457  
BETA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 8.39239E+05 SUM= 8.70844E+05

---

dec-033\_As\_080.endf

---

- Passed All Checks!

---

dec-033\_As\_081.endf

---

- Passed All Checks!

---

dec-033\_As\_082.endf

---

- Passed All Checks!

---

dec-033\_As\_082m1.endf

---

- Passed All Checks!

---

dec-033\_As\_083.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 777, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 5.67134E+06 SUM= 3.78024E+06 SEQUENCE NUMBER 1  
GAMMA AVERAGE ENERGY SUMUP FAILURE  
...

---

dec-033\_As\_084.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 778, MF= 8, MT=457  
E(MAXIMUM) > Q E= 1.42000E+06 Q= 1.41578E+06 SEQUENCE NUMBER 223  
NEUTRON AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 4.98918E+02 SUM= 5.14097E+02

---

dec-033\_As\_085.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 779, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 6.52936E+06  SUM= 3.76223E+06        SEQUENCE NUMBER    1
```

...

---

dec-033\_As\_086.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT= 780, MF= 8, MT=457
  NORMALIZATION CHECK INTEGRAL= 1.00104E+00 BEFORE SEQUENCE NUMBER  866
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 1.07717E+07  SUM= 7.13245E+06        SEQUENCE NUMBER    1
```

...

---

dec-033\_As\_087.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT= 781, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  NORMALIZATION CHECK INTEGRAL= 1.01093E+00 BEFORE SEQUENCE NUMBER  832
  TOTAL ENERGY RELEASE SUMUP FAILURE
```

...

---

dec-033\_As\_088.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 782, MF= 8, MT=457
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 1.07230E+07  SUM= 6.47270E+06        SEQUENCE NUMBER    1
  GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-033\_As\_089.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 783, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 8.87078E+06  SUM= 4.71205E+06      SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-033\_As\_090.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 784, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 1.24655E+07  SUM= 7.51830E+06      SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-033\_As\_091.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 785, MF= 8, MT=457
E(MAXIMUM) > Q  E= 1.29700E+07  Q= 1.09590E+07  SEQUENCE NUMBER    10
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 1.08881E+07  SUM= 6.36419E+06      SEQUENCE NUMBER    1
```

...

---

dec-033\_As\_092.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 786, MF= 8, MT=457
DQ NOT IN RANGE 0.00000E+00 TO 6.17922E+05  SEQUENCE NUMBER    8
E(MAXIMUM) > Q  E= 1.57200E+07  Q= 1.12850E+07  SEQUENCE NUMBER    11
TOTAL ENERGY RELEASE SUMUP FAILURE
```

...

---

dec-034\_Se\_065.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 787, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-034\_Se\_066.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 788, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-034\_Se\_067.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 789, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-034\_Se\_068.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 790, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-034\_Se\_069.endf

- Passed All Checks!

---

dec-034\_Se\_070.endf

- Passed All Checks!

---

dec-034\_Se\_071.endf

- Passed All Checks!

---

dec-034\_Se\_072.endf

- Passed All Checks!



---

dec-034\_Se\_073.endf

---

- Passed All Checks!

---

dec-034\_Se\_073m1.endf

---

- Passed All Checks!

---

dec-034\_Se\_074.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 797, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER    5
```

---

dec-034\_Se\_075.endf

---

- Passed All Checks!

---

dec-034\_Se\_076.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 799, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER    5
```

---

dec-034\_Se\_077.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 800, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER    5
```

---

dec-034\_Se\_077m1.endf

---

- Passed All Checks!

---

dec-034\_Se\_078.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 802, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5
```

---

dec-034\_Se\_079.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 803, MF= 8, MT=457
BETA AVERAGE ENERGY SUMUP FAILURE
      WHOLE= 5.58000E+04  SUM= 5.25898E+04
```

---

dec-034\_Se\_079m1.endf

---

- Passed All Checks!

---

dec-034\_Se\_080.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 805, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5
```

---

dec-034\_Se\_081.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 806, MF= 8, MT=457
BETA AVERAGE ENERGY SUMUP FAILURE
      WHOLE= 6.10714E+05  SUM= 6.08589E+05
```

---

dec-034\_Se\_081m1.endf

---

- Passed All Checks!

---

dec-034\_Se\_082.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 808, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER   4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER   5
```

---

dec-034\_Se\_083.endf

---

- Passed All Checks!

---

dec-034\_Se\_083m1.endf

---

- Passed All Checks!

---

dec-034\_Se\_084.endf

---

- Passed All Checks!

---

dec-034\_Se\_085.endf

---

- Passed All Checks!

---

dec-034\_Se\_086.endf

---

- Passed All Checks!

---

dec-034\_Se\_087.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT= 814, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.03863E+00 BEFORE SEQUENCE NUMBER   87
NEUTRON AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 3.12245E+02  SUM= 3.26321E+02
```

---

dec-034\_Se\_088.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 815, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 6.79896E+06  SUM= 3.58108E+06      SEQUENCE NUMBER   1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-034\_Se\_089.endf

---

• **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT= 816, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  NORMALIZATION CHECK INTEGRAL= 1.00555E+00 BEFORE SEQUENCE NUMBER 748
  TOTAL ENERGY RELEASE SUMUP FAILURE
```

...

---

dec-034\_Se\_090.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 817, MF= 8, MT=457
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 8.04164E+06  SUM= 4.18158E+06          SEQUENCE NUMBER    1
  GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-034\_Se\_091.endf

---

• **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT= 818, MF= 8, MT=457
  NORMALIZATION CHECK INTEGRAL= 1.00376E+00 BEFORE SEQUENCE NUMBER 920
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 1.07042E+07  SUM= 5.87259E+06          SEQUENCE NUMBER    1
```

...

---

dec-034\_Se\_092.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 819, MF= 8, MT=457
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 9.44672E+06  SUM= 5.15294E+06          SEQUENCE NUMBER    1
  GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-034\_Se\_093.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 820, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 1.06109E+07  SUM= 6.39027E+06          SEQUENCE NUMBER    1
  ...
```

---

dec-034\_Se\_094.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 821, MF= 8, MT=457
  TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 9.98405E+06  SUM= 5.41511E+06          SEQUENCE NUMBER    1
  GAMMA AVERAGE ENERGY SUMUP FAILURE
  ...
```

---

dec-035\_Br\_067.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 822, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN                          SEQUENCE NUMBER    5
```

---

dec-035\_Br\_068.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 823, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN                          SEQUENCE NUMBER    5
```

---

dec-035\_Br\_069.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 824, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

\_\_\_\_\_dec-035\_Br\_070.endf\_\_\_\_\_

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 825, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

\_\_\_\_\_dec-035\_Br\_070m1.endf\_\_\_\_\_

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 826, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

\_\_\_\_\_dec-035\_Br\_071.endf\_\_\_\_\_

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 827, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

\_\_\_\_\_dec-035\_Br\_072.endf\_\_\_\_\_

• Passed All Checks!

\_\_\_\_\_dec-035\_Br\_072m1.endf\_\_\_\_\_

• Passed All Checks!

\_\_\_\_\_dec-035\_Br\_073.endf\_\_\_\_\_

• Passed All Checks!

\_\_\_\_\_dec-035\_Br\_074.endf\_\_\_\_\_

• Passed All Checks!

\_\_\_\_\_dec-035\_Br\_074m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-035\_Br\_075.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-035\_Br\_076.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-035\_Br\_076m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-035\_Br\_077.endf\_\_\_\_\_

- **fizcon** Errors:

1. Beta spectrum integral too small

ERROR(S) FOUND IN MAT= 836, MF= 8, MT=457

FT VALUE TOO SMALL

FT= 1.19816E+02 E= 1.12605E+06 I= 73

SEQUENCE NUMBER 175

SEQUENCE NUMBER 175

\_\_\_\_\_dec-035\_Br\_077m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-035\_Br\_078.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-035\_Br\_079.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 839, MF= 8, MT=457

BRANCHING RATIO SUMUP FAILURE

WHOLE= 1.00000E+00 SUM= 0.00000E+00

NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 4

SEQUENCE NUMBER 5

\_\_\_\_\_dec-035\_Br\_079m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-035\_Br\_080.endf\_\_\_\_\_

- **fizcon** Errors:

1. Beta spectrum integral too small

ERROR(S) FOUND IN MAT= 841, MF= 8, MT=457  
FT VALUE TOO SMALL SEQUENCE NUMBER 37  
FT= 1.13820E+02 E= 1.20470E+06 I= 12 SEQUENCE NUMBER 37

---

dec-035\_Br\_080m1.endf

- Passed All Checks!

---

dec-035\_Br\_081.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 843, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-035\_Br\_082.endf

- Passed All Checks!

---

dec-035\_Br\_082m1.endf

- Passed All Checks!

---

dec-035\_Br\_083.endf

- Passed All Checks!

---

dec-035\_Br\_084.endf

- Passed All Checks!

---

dec-035\_Br\_084m1.endf

- **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 848, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 4.94900E+06 SUM= 4.62884E+06 SEQUENCE NUMBER 1  
BETA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 8.86000E+05 SUM= 7.34986E+05

---

dec-035\_Br\_085.endf

- Passed All Checks!



---

dec-035\_Br\_086.endf

---

- Passed All Checks!

---

dec-035\_Br\_087.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT= 851, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00734E+00 BEFORE SEQUENCE NUMBER 1101
NEUTRON AVERAGE ENERGY SUMUP FAILURE
WHOLE= 5.41500E+03 SUM= 5.68732E+03
```

---

dec-035\_Br\_088.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT= 852, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.01466E+00 BEFORE SEQUENCE NUMBER 485
NEUTRON AVERAGE ENERGY SUMUP FAILURE
WHOLE= 1.63292E+04 SUM= 1.69884E+04
```

---

dec-035\_Br\_089.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT= 853, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00185E+00 BEFORE SEQUENCE NUMBER 427
BETA MULTIPLICITY SUMUP FAILURE
WHOLE= 1.00000E+00 SUM= 8.58900E-01
NEUTRON AVERAGE ENERGY SUMUP FAILURE
WHOLE= 7.08984E+04 SUM= 7.24097E+04
```

---

dec-035\_Br\_090.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT= 854, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00316E+00 BEFORE SEQUENCE NUMBER 333
BETA MULTIPLICITY SUMUP FAILURE
WHOLE= 1.00000E+00 SUM= 7.47900E-01
NEUTRON AVERAGE ENERGY SUMUP FAILURE
WHOLE= 1.62584E+05 SUM= 1.65702E+05
```

---

dec-035\_Br\_091.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT= 855, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00118E+00 BEFORE SEQUENCE NUMBER 845
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 9.04947E+06 SUM= 4.51277E+06 SEQUENCE NUMBER 1
...
```

---

dec-035\_Br\_092.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT= 856, MF= 8, MT=457
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4
NORMALIZATION CHECK INTEGRAL= 1.00126E+00 BEFORE SEQUENCE NUMBER 965
TOTAL ENERGY RELEASE SUMUP FAILURE
...
```

---

dec-035\_Br\_093.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 857, MF= 8, MT=457
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 1.03678E+07 SUM= 5.41383E+06 SEQUENCE NUMBER 1
...
```

---

dec-035\_Br\_094.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 858, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 9.07909E+06 SUM= 5.19390E+06 SEQUENCE NUMBER 1
GAMMA AVERAGE ENERGY SUMUP FAILURE
...
```

---

dec-035\_Br\_095.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 859, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 9.35555E+06 SUM= 5.21216E+06 SEQUENCE NUMBER 1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-035\_Br\_096.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 860, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 1.16719E+07 SUM= 6.86844E+06 SEQUENCE NUMBER 1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-035\_Br\_097.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 861, MF= 8, MT=457
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4
E(MAXIMUM) > Q E= 1.29100E+07 Q= 1.04970E+07 SEQUENCE NUMBER 10
TOTAL ENERGY RELEASE SUMUP FAILURE
```

...

---

dec-036\_Kr\_069.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 862, MF= 8, MT=457
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5
```

---

dec-036\_Kr\_070.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 863, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER 6
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER    6
```

---

dec-036\_Kr\_071.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 864, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER 6
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER    6
```

---

dec-036\_Kr\_072.endf

---

- Passed All Checks!

---

dec-036\_Kr\_073.endf

---

- Passed All Checks!

---

dec-036\_Kr\_074.endf

---

- Passed All Checks!

---

dec-036\_Kr\_075.endf

---

- Passed All Checks!

---

dec-036\_Kr\_076.endf

---

- Passed All Checks!

---

dec-036\_Kr\_077.endf

---

- Passed All Checks!

---

dec-036\_Kr\_078.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 871, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00    SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER    5
```

---

dec-036\_Kr\_079.endf

---

- Passed All Checks!

---

dec-036\_Kr\_079m1.endf

---

- Passed All Checks!

---

dec-036\_Kr\_080.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 874, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER    5
```

---

dec-036\_Kr\_081.endf

---

- Passed All Checks!

---

dec-036\_Kr\_081m1.endf

---

- Passed All Checks!

---

dec-036\_Kr\_082.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 877, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER    5
```

---

dec-036\_Kr\_083.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 878, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER    5
```

---

dec-036\_Kr\_083m1.endf

---

- Passed All Checks!

---

dec-036\_Kr\_084.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 880, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER    5
```

---

dec-036\_Kr\_085.endf

---

- Passed All Checks!

---

dec-036\_Kr\_085m1.endf

---

- Passed All Checks!

---

dec-036\_Kr\_086.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 883, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER    5
```

---

dec-036\_Kr\_087.endf

---

- Passed All Checks!

---

dec-036\_Kr\_088.endf

---

- Passed All Checks!

---

dec-036\_Kr\_089.endf

---

- Passed All Checks!

---

dec-036\_Kr\_090.endf

---

- Passed All Checks!

---

dec-036\_Kr\_091.endf

---

- Passed All Checks!

---

dec-036\_Kr\_092.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 889, MF= 8, MT=457
E(MAXIMUM) > Q E= 9.10000E+05 Q= 9.05840E+05 SEQUENCE NUMBER 246
NEUTRON AVERAGE ENERGY SUMUP FAILURE
WHOLE= 7.42209E+01 SUM= 7.67228E+01
```

---

dec-036\_Kr\_093.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 890, MF= 8, MT=457
E(MAXIMUM) > Q E= 2.57000E+06 Q= 2.56529E+06 SEQUENCE NUMBER 558
NEUTRON AVERAGE ENERGY SUMUP FAILURE
WHOLE= 8.73890E+03 SUM= 8.93336E+03
```

---

dec-036\_Kr\_094.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 891, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 7.16968E+06 SUM= 3.87094E+06 SEQUENCE NUMBER 1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-036\_Kr\_095.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT= 892, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00756E+00 BEFORE SEQUENCE NUMBER 728
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 9.53858E+06 SUM= 6.22712E+06 SEQUENCE NUMBER 1
```

...

---

dec-036\_Kr\_096.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT= 893, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00393E+00 BEFORE SEQUENCE NUMBER 726
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 8.14403E+06 SUM= 4.52484E+06 SEQUENCE NUMBER 1
...
```

---

dec-036\_Kr\_097.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 894, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 1.07084E+07 SUM= 6.16787E+06 SEQUENCE NUMBER 1
GAMMA AVERAGE ENERGY SUMUP FAILURE
...
```

---

dec-036\_Kr\_098.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 895, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 9.13529E+06 SUM= 5.23132E+06 SEQUENCE NUMBER 1
GAMMA AVERAGE ENERGY SUMUP FAILURE
...
```

---

dec-036\_Kr\_099.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 896, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 1.18823E+07 SUM= 7.71755E+06 SEQUENCE NUMBER 1
GAMMA AVERAGE ENERGY SUMUP FAILURE
...
```

---

dec-036\_Kr\_100.endf

---

• fizcon Errors:



1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 897, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 1.09139E+07 SUM= 6.25159E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-037\_Rb\_071.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 898, MF= 8, MT=457
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-037\_Rb\_072.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 899, MF= 8, MT=457
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-037\_Rb\_073.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 900, MF= 8, MT=457
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-037\_Rb\_074.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 901, MF= 8, MT=457
E.C. MULTIPLICITY SUMUP FAILURE
WHOLE= 1.00000E+00 SUM= 9.98360E-01
E.C. AVERAGE ENERGY SUMUP FAILURE
WHOLE= 4.45239E+06 SUM= 4.43793E+06
```

\_\_\_\_\_dec-037\_Rb\_075.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 902, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

\_\_\_\_\_dec-037\_Rb\_076.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-037\_Rb\_077.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-037\_Rb\_078.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-037\_Rb\_078m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-037\_Rb\_079.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-037\_Rb\_080.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-037\_Rb\_081.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-037\_Rb\_081m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-037\_Rb\_082.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-037\_Rb\_082m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-037\_Rb\_083.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-037\_Rb\_084.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-037\_Rb\_084m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-037\_Rb\_085.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 916, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER    5
```

\_\_\_\_\_dec-037\_Rb\_086.endf\_\_\_\_\_

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 917, MF= 8, MT=457
BETA AVERAGE ENERGY SUMUP FAILURE
      WHOLE= 6.68897E+05  SUM= 6.67589E+05
```

\_\_\_\_\_dec-037\_Rb\_086m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-037\_Rb\_087.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-037\_Rb\_088.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-037\_Rb\_089.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-037\_Rb\_090.endf\_\_\_\_\_

- **fizcon** Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT= 922, MF= 8, MT=457
  BETA ENERGY (BE) SUMUP FAILURE
    WHOLE= 1.90476E+06  SUM= 2.04973E+06          SEQUENCE NUMBER    3
  GAMMA ENERGY (GE) SUMUP FAILURE
    WHOLE= 2.27219E+06  SUM= 2.02857E+06          SEQUENCE NUMBER    3

```

---

dec-037\_Rb\_090m1.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT= 923, MF= 8, MT=457
  BETA ENERGY (BE) SUMUP FAILURE
    WHOLE= 1.11460E+06  SUM= 1.40195E+06          SEQUENCE NUMBER    3
  GAMMA ENERGY (GE) SUMUP FAILURE
    WHOLE= 3.86635E+06  SUM= 3.24062E+06          SEQUENCE NUMBER    3

```

---

dec-037\_Rb\_091.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```

ERROR(S) FOUND IN MAT= 924, MF= 8, MT=457
  NORMALIZATION CHECK INTEGRAL= 1.11300E+00 BEFORE SEQUENCE NUMBER  389
  BETA ENERGY (BE) SUMUP FAILURE
    WHOLE= 1.37028E+06  SUM= 1.61875E+06          SEQUENCE NUMBER    3
  ...

```

---

dec-037\_Rb\_092.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```

ERROR(S) FOUND IN MAT= 925, MF= 8, MT=457
  NORMALIZATION CHECK INTEGRAL= 1.00168E+00 BEFORE SEQUENCE NUMBER  203
  E(MAXIMUM) > Q  E= 9.80000E+05  Q= 8.08920E+05  SEQUENCE NUMBER  169
  NEUTRON AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 2.04073E+01  SUM= 2.11747E+01

```

---

dec-037\_Rb\_093.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 926, MF= 8, MT=457
  GAMMA ENERGY (GE) SUMUP FAILURE
    WHOLE= 2.52346E+06  SUM= 2.25670E+06          SEQUENCE NUMBER    3
  NEUTRON AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 5.57256E+03  SUM= 5.70398E+03
```

---

dec-037\_Rb\_094.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT= 927, MF= 8, MT=457
  NORMALIZATION CHECK INTEGRAL= 1.00180E+00 BEFORE SEQUENCE NUMBER  550
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 9.56421E+06  SUM= 6.35824E+06          SEQUENCE NUMBER    1
  ...
```

---

dec-037\_Rb\_095.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT= 928, MF= 8, MT=457
  NORMALIZATION CHECK INTEGRAL= 1.00192E+00 BEFORE SEQUENCE NUMBER  757
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 8.85077E+06  SUM= 7.31651E+06          SEQUENCE NUMBER    1
  ...
```

---

dec-037\_Rb\_096.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 929, MF= 8, MT=457
  BETA MULTIPLICITY SUMUP FAILURE
    WHOLE= 1.00000E+00  SUM= 8.83400E-01
  NEUTRON AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 5.52834E+04  SUM= 5.65429E+04
```

---

dec-037\_Rb\_097.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```

ERROR(S) FOUND IN MAT= 930, MF= 8, MT=457
  NORMALIZATION CHECK INTEGRAL= 1.00159E+00 BEFORE SEQUENCE NUMBER 470
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 9.12229E+06 SUM= 7.74137E+06 SEQUENCE NUMBER 1
...

```

---

dec-037\_Rb\_098.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT= 931, MF= 8, MT=457
  BETA MULTIPLICITY SUMUP FAILURE
    WHOLE= 1.00102E+00 SUM= 8.39000E-01
  NEUTRON AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 7.32334E+04 SUM= 7.46926E+04

```

---

dec-037\_Rb\_098m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT= 932, MF= 8, MT=457
  NEGATIVE SPIN NOT ALLOWED SEQUENCE NUMBER 4
  SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL SEQUENCE NUMBER 4
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4
  NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

```

---

dec-037\_Rb\_099.endf

---

• **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```

ERROR(S) FOUND IN MAT= 933, MF= 8, MT=457
  NORMALIZATION CHECK INTEGRAL= 1.00798E+00 BEFORE SEQUENCE NUMBER 1007
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 1.01562E+07 SUM= 5.46662E+06 SEQUENCE NUMBER 1
...

```

---

dec-037\_Rb\_100.endf

---

• **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

ERROR(S) FOUND IN MAT= 934, MF= 8, MT=457  
NORMALIZATION CHECK INTEGRAL= 1.00101E+00 BEFORE SEQUENCE NUMBER 1114  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 1.15254E+07 SUM= 6.95230E+06 SEQUENCE NUMBER 1

...

---

dec-037\_Rb\_101.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 935, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 1.13576E+07 SUM= 6.26049E+06 SEQUENCE NUMBER 1  
GAMMA AVERAGE ENERGY SUMUP FAILURE

...

---

dec-037\_Rb\_102.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 936, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 1.33335E+07 SUM= 8.18465E+06 SEQUENCE NUMBER 1  
GAMMA AVERAGE ENERGY SUMUP FAILURE

...

---

dec-038\_Sr\_073.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 937, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-038\_Sr\_074.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 938, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-038\_Sr\_075.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 939, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER 6
NO DECAY SPECTRA GIVEN                   SEQUENCE NUMBER 6
```

---

dec-038\_Sr\_076.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 940, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER 6
NO DECAY SPECTRA GIVEN                   SEQUENCE NUMBER 6
```

---

dec-038\_Sr\_077.endf

---

- Passed All Checks!

---

dec-038\_Sr\_078.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 942, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                   SEQUENCE NUMBER 5
```

---

dec-038\_Sr\_079.endf

---

- Passed All Checks!

---

dec-038\_Sr\_080.endf

---

- **fizcon** Errors:

1. Beta spectrum integral too small

```
ERROR(S) FOUND IN MAT= 944, MF= 8, MT=457
FT VALUE TOO SMALL                       SEQUENCE NUMBER 24
FT= 6.98533E+01 E= 1.27600E+06 I= 8      SEQUENCE NUMBER 24
```



---

dec-038\_Sr\_081.endf

---

- Passed All Checks!

---

dec-038\_Sr\_082.endf

---

- Passed All Checks!

---

dec-038\_Sr\_083.endf

---

- Passed All Checks!

---

dec-038\_Sr\_083m1.endf

---

- Passed All Checks!

---

dec-038\_Sr\_084.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 949, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-038\_Sr\_085.endf

---

- Passed All Checks!

---

dec-038\_Sr\_085m1.endf

---

- **fizcon** Errors:

1. Beta spectrum integral too small

```
ERROR(S) FOUND IN MAT= 951, MF= 8, MT=457
FT VALUE TOO SMALL                                SEQUENCE NUMBER  43
  FT= 6.72467E+00  E= 1.15260E+06  I=  15      SEQUENCE NUMBER  43
```

---

dec-038\_Sr\_086.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 952, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-038\_Sr\_087.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 953, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
    WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-038\_Sr\_087m1.endf

---

- Passed All Checks!

---

dec-038\_Sr\_088.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 955, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
    WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-038\_Sr\_089.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 956, MF= 8, MT=457
BETA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 5.85342E+05  SUM= 5.84417E+05
```

---

dec-038\_Sr\_090.endf

---

- Passed All Checks!

---

dec-038\_Sr\_091.endf

---

- Passed All Checks!

---

dec-038\_Sr\_092.endf

---

- Passed All Checks!

---

dec-038\_Sr\_093.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 960, MF= 8, MT=457
  GAMMA ENERGY (GE) SUMUP FAILURE
    WHOLE= 2.16706E+06  SUM= 1.97343E+06      SEQUENCE NUMBER    3
```

---

dec-038\_Sr\_094.endf

---

• Passed All Checks!

---

dec-038\_Sr\_095.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 962, MF= 8, MT=457
  BETA ENERGY (BE) SUMUP FAILURE
    WHOLE= 1.89199E+06  SUM= 2.20344E+06      SEQUENCE NUMBER    3
  GAMMA ENERGY (GE) SUMUP FAILURE
    WHOLE= 1.79031E+06  SUM= 1.14500E+06      SEQUENCE NUMBER    3
```

---

dec-038\_Sr\_096.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 963, MF= 8, MT=457
  E(MAXIMUM) > Q  E= 2.10000E+05  Q= 2.08860E+05  SEQUENCE NUMBER    63
  NEUTRON AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 7.05417E-02  SUM= 7.64252E-02
```

---

dec-038\_Sr\_097.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT= 964, MF= 8, MT=457
  NORMALIZATION CHECK INTEGRAL= 1.02111E+00 BEFORE SEQUENCE NUMBER    237
  NEUTRON AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 3.50299E+01  SUM= 3.64248E+01
```

---

dec-038\_Sr\_098.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT= 965, MF= 8, MT=457
  FT VALUE TOO SMALL                      SEQUENCE NUMBER 191
  FT= 5.78778E+05 E= 5.69626E+06 I= 82    SEQUENCE NUMBER 191
NORMALIZATION CHECK INTEGRAL= 1.02341E+00 BEFORE SEQUENCE NUMBER 254
NEUTRON AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 6.41149E+02 SUM= 6.60673E+02
```

---

dec-038\_Sr\_099.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT= 966, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00745E+00 BEFORE SEQUENCE NUMBER 282
NEUTRON AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 2.18832E+02 SUM= 2.26166E+02
```

---

dec-038\_Sr\_100.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 967, MF= 8, MT=457
NEUTRON AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 2.54090E+03 SUM= 2.60621E+03
```

---

dec-038\_Sr\_101.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 968, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 9.36742E+06 SUM= 6.30839E+06    SEQUENCE NUMBER 1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-038\_Sr\_102.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 969, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 8.58312E+06  SUM= 4.83904E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-038\_Sr\_103.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 970, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 1.08395E+07  SUM= 6.11914E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-038\_Sr\_104.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT= 971, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 9.83893E+06  SUM= 5.45134E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-038\_Sr\_105.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT= 972, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.02183E+00 BEFORE SEQUENCE NUMBER 1057
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 1.12991E+07  SUM= 6.82513E+06          SEQUENCE NUMBER    1
```

...

---

dec-039\_Y\_076.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 973, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-039\_Y\_077.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 974, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-039\_Y\_078.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 975, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-039\_Y\_078m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 976, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT= 976, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-039\_Y\_079.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 977, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

\_\_\_\_\_dec-039\_Y\_080.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-039\_Y\_080m1.endf\_\_\_\_\_

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 979, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

\_\_\_\_\_dec-039\_Y\_081.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-039\_Y\_082.endf\_\_\_\_\_

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 981, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

\_\_\_\_\_dec-039\_Y\_083.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-039\_Y\_083m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-039\_Y\_084.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-039\_Y\_084m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-039\_Y\_085.endf\_\_\_\_\_

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT= 986, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

\_\_\_\_\_dec-039\_Y\_085m1.endf\_\_\_\_\_

- **fizcon** Errors:

1. Beta spectrum integral too small

```
ERROR(S) FOUND IN MAT= 987, MF= 8, MT=457
  FT VALUE TOO SMALL                SEQUENCE NUMBER  302
  FT= 3.67035E+01  E= 1.15702E+06  I=  146          SEQUENCE NUMBER  302
```

\_\_\_\_\_dec-039\_Y\_086.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-039\_Y\_086m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-039\_Y\_087.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-039\_Y\_087m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-039\_Y\_088.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-039\_Y\_088m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-039\_Y\_088m2.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-039\_Y\_089.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT= 995, MF= 8, MT=457
  BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00          SEQUENCE NUMBER  4
  NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

\_\_\_\_\_dec-039\_Y\_089m1.endf\_\_\_\_\_

- Passed All Checks!



---

dec-039\_Y\_090.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT= 997, MF= 8, MT=457  
BETA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 9.32814E+05 SUM= 9.30621E+05

---

dec-039\_Y\_090m1.endf

---

- Passed All Checks!

---

dec-039\_Y\_091.endf

---

- Passed All Checks!

---

dec-039\_Y\_091m1.endf

---

- Passed All Checks!

---

dec-039\_Y\_092.endf

---

- Passed All Checks!

---

dec-039\_Y\_093.endf

---

- Passed All Checks!

---

dec-039\_Y\_093m1.endf

---

- Passed All Checks!

---

dec-039\_Y\_094.endf

---

- Passed All Checks!

---

dec-039\_Y\_095.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1005, MF= 8, MT=457  
BETA ENERGY (BE) SUMUP FAILURE  
WHOLE= 1.38295E+06 SUM= 1.43659E+06 SEQUENCE NUMBER 3  
GAMMA ENERGY (GE) SUMUP FAILURE  
WHOLE= 1.22260E+06 SUM= 1.09196E+06 SEQUENCE NUMBER 3

---

dec-039\_Y\_096.endf

---

- Passed All Checks!

---

dec-039\_Y\_096m1.endf

---

- Passed All Checks!

---

dec-039\_Y\_097.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1008, MF= 8, MT=457
  NEUTRON AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 1.00435E+02  SUM= 1.04270E+02
```

---

dec-039\_Y\_097m1.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1009, MF= 8, MT=457
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 6.81817E+06  SUM= 7.54912E+06  SEQUENCE NUMBER 1
  NEUTRON AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 2.56114E+02  SUM= 2.61587E+02
```

---

dec-039\_Y\_097m2.endf

---

- fizcon Non-errors:

1. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=1010, MF= 1, MT=451
  ELIS NOT IN RANGE 0.00000E+00 TO 3.00000E+06  SEQUENCE NUMBER 3
```

---

dec-039\_Y\_098.endf

---

- fizcon Errors:

1. Beta spectrum integral too small

```
ERROR(S) FOUND IN MAT=1011, MF= 8, MT=457
  FT VALUE TOO SMALL  SEQUENCE NUMBER 95
    FT= 6.52638E+05  E= 7.40123E+06  I= 39  SEQUENCE NUMBER 95
  NEUTRON AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 7.23253E+02  SUM= 7.47503E+02
```

---

dec-039\_Y\_098m1.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1012, MF= 8, MT=457
NEUTRON AVERAGE ENERGY SUMUP FAILURE
WHOLE= 7.10276E+02 SUM= 7.34390E+02
```

---

dec-039\_Y\_099.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1013, MF= 8, MT=457
E(DISCRETE) > Q E= 6.99232E+06 Q= 6.96761E+06 SEQUENCE NUMBER 348
E(DISCRETE) > Q E= 7.31604E+06 Q= 6.96761E+06 SEQUENCE NUMBER 350
E(DISCRETE) > Q E= 7.44626E+06 Q= 6.96761E+06 SEQUENCE NUMBER 352
E(MAXIMUM) > Q E= 2.57000E+06 Q= 2.56546E+06 SEQUENCE NUMBER 356
NEUTRON AVERAGE ENERGY SUMUP FAILURE
WHOLE= 7.44494E+03 SUM= 7.60752E+03
```

---

dec-039\_Y\_100.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1014, MF= 8, MT=457
NEUTRON AVERAGE ENERGY SUMUP FAILURE
WHOLE= 3.89368E+03 SUM= 3.97985E+03
```

---

dec-039\_Y\_100m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1015, MF= 8, MT=457
NEGATIVE SPIN NOT ALLOWED SEQUENCE NUMBER 4
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL SEQUENCE NUMBER 4
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5
```

---

dec-039\_Y\_101.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1016, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 8.00884E+06  SUM= 4.44530E+06          SEQUENCE NUMBER    1
```

...

---

dec-039\_Y\_102.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1017, MF= 8, MT=457
  E(MAXIMUM) > Q  E= 3.89000E+06  Q= 3.88600E+06  SEQUENCE NUMBER  706
  TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 1.00608E+07  SUM= 6.22853E+06          SEQUENCE NUMBER    1
```

...

---

dec-039\_Y\_102m1.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1018, MF= 8, MT=457
  E(MAXIMUM) > Q  E= 3.89000E+06  Q= 3.88600E+06  SEQUENCE NUMBER  705
  TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 1.00608E+07  SUM= 6.23174E+06          SEQUENCE NUMBER    1
```

...

**fizcon** Non-errors:

1. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=1018, MF= 1, MT=451
  ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE  SEQUENCE NUMBER    2
```

---

dec-039\_Y\_103.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1019, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 8.98007E+06 SUM= 5.00568E+06 SEQUENCE NUMBER 1  
GAMMA AVERAGE ENERGY SUMUP FAILURE

...

---

dec-039\_Y\_104.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1020, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 1.13681E+07 SUM= 7.01147E+06 SEQUENCE NUMBER 1  
GAMMA AVERAGE ENERGY SUMUP FAILURE

...

---

dec-039\_Y\_105.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

ERROR(S) FOUND IN MAT=1021, MF= 8, MT=457  
NORMALIZATION CHECK INTEGRAL= 1.01887E+00 BEFORE SEQUENCE NUMBER 957  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 1.02731E+07 SUM= 5.77762E+06 SEQUENCE NUMBER 1

...

---

dec-039\_Y\_106.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1022, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 1.16108E+07 SUM= 6.95073E+06 SEQUENCE NUMBER 1  
GAMMA AVERAGE ENERGY SUMUP FAILURE

...

---

dec-039\_Y\_107.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1023, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 1.07355E+07  SUM= 5.72694E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-039\_Y\_108.endf

---

• **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1024, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00434E+00 BEFORE SEQUENCE NUMBER 1184
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 1.13051E+07  SUM= 6.30560E+06          SEQUENCE NUMBER    1
```

...

---

dec-040\_Zr\_078.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1025, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID          NEAR SEQUENCE NUMBER    6
NO DECAY SPECTRA GIVEN                        SEQUENCE NUMBER        6
```

---

dec-040\_Zr\_079.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1026, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID          NEAR SEQUENCE NUMBER    6
NO DECAY SPECTRA GIVEN                        SEQUENCE NUMBER        6
```

---

dec-040\_Zr\_080.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1027, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                        SEQUENCE NUMBER    5
```

---

dec-040\_Zr\_081.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1028, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER    6
NO DECAY SPECTRA GIVEN                   SEQUENCE NUMBER        6
```

---

dec-040\_Zr\_082.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1029, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                   SEQUENCE NUMBER    5
```

---

dec-040\_Zr\_083.endf

---

- Passed All Checks!

---

dec-040\_Zr\_084.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1031, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                   SEQUENCE NUMBER    5
```

---

dec-040\_Zr\_085.endf

---

- Passed All Checks!

---

dec-040\_Zr\_085m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1033, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                   SEQUENCE NUMBER    6
```

---

dec-040\_Zr\_086.endf

---

- Passed All Checks!

---

dec-040\_Zr\_087.endf

---

- Passed All Checks!

---

dec-040\_Zr\_087m1.endf

---

- Passed All Checks!

---

dec-040\_Zr\_088.endf

---

- Passed All Checks!

---

dec-040\_Zr\_089.endf

---

- Passed All Checks!

---

dec-040\_Zr\_089m1.endf

---

- Passed All Checks!

---

dec-040\_Zr\_090.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1040, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER    5

```

---

dec-040\_Zr\_090m1.endf

---

- Passed All Checks!

---

dec-040\_Zr\_091.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1042, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER    5

```

---

dec-040\_Zr\_092.endf

---

- **fizcon** Non-errors:



1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1043, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5

```

---

dec-040\_Zr\_093.endf

---

- Passed All Checks!

---

dec-040\_Zr\_094.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1045, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5

```

---

dec-040\_Zr\_095.endf

---

- Passed All Checks!

---

dec-040\_Zr\_096.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1047, MF= 8, MT=457
  T12 NOT IN RANGE 0.00000E+00 TO 1.00000E+24 SEQUENCE NUMBER    3
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5

```

---

dec-040\_Zr\_097.endf

---

- Passed All Checks!

---

dec-040\_Zr\_098.endf

---

- **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

ERROR(S) FOUND IN MAT=1049, MF= 8, MT=457  
NORMALIZATION CHECK INTEGRAL= 1.00231E+00 BEFORE SEQUENCE NUMBER 151  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 2.23780E+06 SUM= 1.17143E+06 SEQUENCE NUMBER 1

...

---

dec-040\_Zr\_099.endf

- Passed All Checks!

---

dec-040\_Zr\_100.endf

- Passed All Checks!

---

dec-040\_Zr\_101.endf

- Passed All Checks!

---

dec-040\_Zr\_102.endf

- Passed All Checks!

---

dec-040\_Zr\_103.endf

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1054, MF= 8, MT=457  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 7.19871E+06 SUM= 4.06625E+06 SEQUENCE NUMBER 1

...

---

dec-040\_Zr\_104.endf

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

ERROR(S) FOUND IN MAT=1055, MF= 8, MT=457  
NORMALIZATION CHECK INTEGRAL= 1.00204E+00 BEFORE SEQUENCE NUMBER 455  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 6.09456E+06 SUM= 3.44076E+06 SEQUENCE NUMBER 1

...

---

dec-040\_Zr\_105.endf

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

ERROR(S) FOUND IN MAT=1056, MF= 8, MT=457  
NORMALIZATION CHECK INTEGRAL= 1.00570E+00 BEFORE SEQUENCE NUMBER 643  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 8.43163E+06 SUM= 4.45729E+06 SEQUENCE NUMBER 1

...

---

dec-040\_Zr\_106.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1057, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 7.13713E+06 SUM= 3.83887E+06 SEQUENCE NUMBER 1  
GAMMA AVERAGE ENERGY SUMUP FAILURE

...

---

dec-040\_Zr\_107.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1058, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 9.36454E+06 SUM= 5.80234E+06 SEQUENCE NUMBER 1  
GAMMA AVERAGE ENERGY SUMUP FAILURE

...

---

dec-040\_Zr\_108.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

ERROR(S) FOUND IN MAT=1059, MF= 8, MT=457  
NORMALIZATION CHECK INTEGRAL= 1.00604E+00 BEFORE SEQUENCE NUMBER 671  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 8.14950E+06 SUM= 4.45322E+06 SEQUENCE NUMBER 1

...

---

dec-040\_Zr\_109.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1060, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 1.02959E+07 SUM= 6.46160E+06 SEQUENCE NUMBER 1  
GAMMA AVERAGE ENERGY SUMUP FAILURE

...

---

dec-040\_Zr\_110.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1061, MF= 8, MT=457  
DQ NOT IN RANGE 0.00000E+00 TO 5.35748E+05 SEQUENCE NUMBER 7  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 9.15897E+06 SUM= 5.15430E+06 SEQUENCE NUMBER 1

...

---

dec-041\_Nb\_081.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1062, MF= 8, MT=457  
7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 5  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-041\_Nb\_082.endf

---

• Passed All Checks!

---

dec-041\_Nb\_083.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1064, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-041\_Nb\_084.endf

---

• Passed All Checks!

---

dec-041\_Nb\_085.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1066, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-041\_Nb\_085m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1067, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 6
```

---

dec-041\_Nb\_086.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1068, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-041\_Nb\_087.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1069, MF= 8, MT=457
E.C. AVERAGE ENERGY SUMUP FAILURE
WHOLE= 1.82831E+06 SUM= 1.82422E+06
```

---

dec-041\_Nb\_087m1.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1070, MF= 8, MT=457
E.C. MULTIPLICITY SUMUP FAILURE
WHOLE= 1.00000E+00 SUM= 9.50000E-01
E.C. AVERAGE ENERGY SUMUP FAILURE
WHOLE= 1.53043E+06 SUM= 1.52717E+06
```

---

dec-041\_Nb\_088.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1071, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-041\_Nb\_088m1.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1072, MF= 8, MT=457
E.C. AVERAGE ENERGY SUMUP FAILURE
WHOLE= 1.39060E+06  SUM= 1.77308E+06
```

---

dec-041\_Nb\_089.endf

---

- Passed All Checks!

---

dec-041\_Nb\_089m1.endf

---

- Passed All Checks!

---

dec-041\_Nb\_090.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1075, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 3.82625E+06  SUM= 3.67314E+06           SEQUENCE NUMBER    1
E.C. MULTIPLICITY SUMUP FAILURE
WHOLE= 1.00000E+00  SUM= 9.50210E-01
```

---

dec-041\_Nb\_090m1.endf

---

- Passed All Checks!

---

dec-041\_Nb\_090m2.endf

---

- Passed All Checks!

---

dec-041\_Nb\_091.endf

---

- Passed All Checks!

\_\_\_\_\_dec-041\_Nb\_091m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-041\_Nb\_092.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-041\_Nb\_092m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-041\_Nb\_093.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1082, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER    5
```

\_\_\_\_\_dec-041\_Nb\_093m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-041\_Nb\_094.endf\_\_\_\_\_

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1084, MF= 8, MT=457
BETA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 1.86180E+05  SUM= 1.45728E+05
```

\_\_\_\_\_dec-041\_Nb\_094m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-041\_Nb\_095.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-041\_Nb\_095m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-041\_Nb\_096.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-041\_Nb\_097.endf\_\_\_\_\_

- **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1089, MF= 8, MT=457  
BETA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 4.67504E+05 SUM= 4.66041E+05

\_\_\_\_\_dec-041\_Nb\_097m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-041\_Nb\_098.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-041\_Nb\_098m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-041\_Nb\_099.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-041\_Nb\_099m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-041\_Nb\_100.endf\_\_\_\_\_

- **fizcon** Errors:

1. Beta spectrum integral too small

ERROR(S) FOUND IN MAT=1095, MF= 8, MT=457  
FT VALUE TOO SMALL  
FT= 2.12553E+05 E= 3.41060E+06 I= 45 SEQUENCE NUMBER 111  
SEQUENCE NUMBER 111

\_\_\_\_\_dec-041\_Nb\_100m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-041\_Nb\_101.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-041\_Nb\_102.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-041\_Nb\_102m1.endf\_\_\_\_\_



- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1099, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
  
```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```

ERROR(S) FOUND IN MAT=1099, MF= 1, MT=451
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE      SEQUENCE NUMBER    2
  
```

---

dec-041\_Nb\_103.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=1100, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 5.94663E+06  SUM= 3.56187E+06                SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
  
```

...

---

dec-041\_Nb\_104.endf

---

- **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```

ERROR(S) FOUND IN MAT=1101, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00367E+00 BEFORE SEQUENCE NUMBER  583
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 8.52617E+06  SUM= 5.53339E+06                SEQUENCE NUMBER    1
  
```

...

---

dec-041\_Nb\_104m1.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=1102, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 8.74192E+06  SUM= 5.53714E+06                SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
  
```

...

---

dec-041\_Nb\_105.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1103, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 7.35034E+06  SUM= 4.48884E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
...
```

---

dec-041\_Nb\_106.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1104, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 9.63712E+06  SUM= 5.97643E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
...
```

---

dec-041\_Nb\_107.endf

---

• **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1105, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00459E+00 BEFORE SEQUENCE NUMBER  705
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 8.57363E+06  SUM= 5.33258E+06          SEQUENCE NUMBER    1
...
```

---

dec-041\_Nb\_108.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1106, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 1.08123E+07  SUM= 7.50368E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
...
```

---

dec-041\_Nb\_109.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1107, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  NORMALIZATION CHECK INTEGRAL= 1.00138E+00 BEFORE SEQUENCE NUMBER  820
  TOTAL ENERGY RELEASE SUMUP FAILURE
```

...

---

dec-041\_Nb\_110.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1108, MF= 8, MT=457
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 1.10931E+07  SUM= 7.57204E+06          SEQUENCE NUMBER    1
  GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-041\_Nb\_111.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1109, MF= 8, MT=457
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 7.64115E+06  SUM= 3.97384E+06          SEQUENCE NUMBER    1
  GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-041\_Nb\_112.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1110, MF= 8, MT=457
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 8.83633E+06  SUM= 4.96141E+06          SEQUENCE NUMBER    1
  GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-041\_Nb\_113.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1111, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 9.22722E+06  SUM= 4.96607E+06      SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-042\_Mo\_083.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1112, MF= 8, MT=457
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER    5
```

---

dec-042\_Mo\_084.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1113, MF= 8, MT=457
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER    5
```

---

dec-042\_Mo\_085.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1114, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID  NEAR SEQUENCE NUMBER  6
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER    6
```

---

dec-042\_Mo\_086.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1115, MF= 8, MT=457
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER    5
```

\_\_\_\_\_dec-042\_Mo\_087.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-042\_Mo\_088.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1117, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

\_\_\_\_\_dec-042\_Mo\_089.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-042\_Mo\_089m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-042\_Mo\_090.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-042\_Mo\_091.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-042\_Mo\_091m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-042\_Mo\_092.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1123, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
WHOLE= 1.00000E+00 SUM= 0.00000E+00           SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

\_\_\_\_\_dec-042\_Mo\_093.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-042\_Mo\_093m1.endf\_\_\_\_\_

- Passed All Checks!

---

dec-042\_Mo\_094.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1126, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-042\_Mo\_095.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1127, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-042\_Mo\_096.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1128, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-042\_Mo\_097.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1129, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-042\_Mo\_098.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1130, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5

```

---

dec-042\_Mo\_099.endf

---

- Passed All Checks!

---

dec-042\_Mo\_100.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1132, MF= 8, MT=457
  T12 NOT IN RANGE 0.00000E+00 TO 1.00000E+24  SEQUENCE NUMBER    3
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5

```

---

dec-042\_Mo\_101.endf

---

- Passed All Checks!

---

dec-042\_Mo\_102.endf

---

- Passed All Checks!

---

dec-042\_Mo\_103.endf

---

- Passed All Checks!

---

dec-042\_Mo\_104.endf

---

- Passed All Checks!

---

dec-042\_Mo\_105.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=1137, MF= 8, MT=457
BETA ENERGY (BE) SUMUP FAILURE
  WHOLE= 1.04900E+06  SUM= 1.92366E+06      SEQUENCE NUMBER    3
GAMMA ENERGY (GE) SUMUP FAILURE
  WHOLE= 2.40700E+06  SUM= 5.51605E+05      SEQUENCE NUMBER    3

```

---

dec-042\_Mo\_106.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1138, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 3.62958E+06  SUM= 1.85519E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-042\_Mo\_107.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1139, MF= 8, MT=457
PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 6.18517E+06  SUM= 3.02674E+06          SEQUENCE NUMBER    1
```

...

---

dec-042\_Mo\_108.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1140, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 5.15353E+06  SUM= 2.62037E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-042\_Mo\_109.endf

---

• **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1141, MF= 8, MT=457
PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
NORMALIZATION CHECK INTEGRAL= 1.21793E+00 BEFORE SEQUENCE NUMBER 488
TOTAL ENERGY RELEASE SUMUP FAILURE
```

...

---

dec-042\_Mo\_110.endf

---



- Passed All Checks!

---

dec-042\_Mo\_111.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1143, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 8.95459E+06  SUM= 5.74689E+06      SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-042\_Mo\_112.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1144, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 7.67481E+06  SUM= 4.31690E+06      SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-042\_Mo\_113.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1145, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00846E+00 BEFORE SEQUENCE NUMBER  748
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 9.66374E+06  SUM= 6.44425E+06      SEQUENCE NUMBER    1
```

...

---

dec-042\_Mo\_114.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1146, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.01331E+00 BEFORE SEQUENCE NUMBER  749
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 8.71901E+06  SUM= 5.09569E+06      SEQUENCE NUMBER    1
```

...

---

dec-042\_Mo\_115.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1147, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 1.10313E+07  SUM= 6.52408E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
...
```

---

dec-043\_Tc\_085.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1148, MF= 8, MT=457
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-043\_Tc\_086.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1149, MF= 8, MT=457
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-043\_Tc\_086m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1150, MF= 8, MT=457
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-043\_Tc\_087.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1151, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-043\_Tc\_088.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1152, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-043\_Tc\_088m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1153, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=1153, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-043\_Tc\_089.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1154, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-043\_Tc\_089m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1155, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-043\_Tc\_090.endf

---

- Passed All Checks!

---

dec-043\_Tc\_090m1.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1157, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-043\_Tc\_091.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1158, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-043\_Tc\_091m1.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1159, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

---

dec-043\_Tc\_092.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1160, MF= 8, MT=457
E.C. MULTIPLICITY SUMUP FAILURE
WHOLE= 1.00000E+00  SUM= 9.29600E-01
```

---

dec-043\_Tc\_093.endf

---

- Passed All Checks!

---

dec-043\_Tc\_093m1.endf

---

- Passed All Checks!

---

dec-043\_Tc\_094.endf

---

- Passed All Checks!

---

dec-043\_Tc\_094m1.endf

---

- Passed All Checks!

---

dec-043\_Tc\_095.endf

---

- Passed All Checks!

---

dec-043\_Tc\_095m1.endf

---

- Passed All Checks!

---

dec-043\_Tc\_096.endf

---

- Passed All Checks!

---

dec-043\_Tc\_096m1.endf

---

- Passed All Checks!

---

dec-043\_Tc\_097.endf

---

- Passed All Checks!

---

dec-043\_Tc\_097m1.endf

---

- Passed All Checks!

---

dec-043\_Tc\_098.endf

---

- Passed All Checks!

---

dec-043\_Tc\_099.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1172, MF= 8, MT=457
BETA AVERAGE ENERGY SUMUP FAILURE
WHOLE= 5.52004E+04  SUM= 8.45405E+04
```

---

dec-043\_Tc\_099m1.endf

---

- Passed All Checks!

---

dec-043\_Tc\_100.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1174, MF= 8, MT=457  
BETA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 1.31732E+06 SUM= 1.30984E+06

---

dec-043\_Tc\_101.endf

---

- Passed All Checks!

---

dec-043\_Tc\_102.endf

---

- Passed All Checks!

---

dec-043\_Tc\_102m1.endf

---

- Passed All Checks!

---

dec-043\_Tc\_103.endf

---

- Passed All Checks!

---

dec-043\_Tc\_104.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1179, MF= 8, MT=457  
BETA ENERGY (BE) SUMUP FAILURE  
WHOLE= 9.31000E+05 SUM= 1.58450E+06 SEQUENCE NUMBER 3  
GAMMA ENERGY (GE) SUMUP FAILURE  
WHOLE= 3.22900E+06 SUM= 1.88998E+06 SEQUENCE NUMBER 3

---

dec-043\_Tc\_105.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1180, MF= 8, MT=457  
BETA ENERGY (BE) SUMUP FAILURE  
WHOLE= 7.64000E+05 SUM= 1.31687E+06 SEQUENCE NUMBER 3  
GAMMA ENERGY (GE) SUMUP FAILURE  
WHOLE= 1.82500E+06 SUM= 6.74096E+05 SEQUENCE NUMBER 3

---

dec-043\_Tc\_106.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=1181, MF= 8, MT=457
  BETA ENERGY (BE) SUMUP FAILURE
    WHOLE= 1.45700E+06  SUM= 1.90574E+06          SEQUENCE NUMBER    3
  GAMMA ENERGY (GE) SUMUP FAILURE
    WHOLE= 3.13200E+06  SUM= 2.21778E+06          SEQUENCE NUMBER    3

```

---

dec-043\_Tc\_107.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=1182, MF= 8, MT=457
  BETA ENERGY (BE) SUMUP FAILURE
    WHOLE= 1.26300E+06  SUM= 1.92129E+06          SEQUENCE NUMBER    3
  GAMMA ENERGY (GE) SUMUP FAILURE
    WHOLE= 1.82200E+06  SUM= 5.14899E+05          SEQUENCE NUMBER    3

```

---

dec-043\_Tc\_108.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=1183, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 7.73857E+06  SUM= 5.02053E+06          SEQUENCE NUMBER    1

```

...

---

dec-043\_Tc\_109.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```

ERROR(S) FOUND IN MAT=1184, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  NORMALIZATION CHECK INTEGRAL= 1.01402E+00 BEFORE SEQUENCE NUMBER 482
  TOTAL ENERGY RELEASE SUMUP FAILURE

```

...

---

dec-043\_Tc\_110.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1185, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  NORMALIZATION CHECK INTEGRAL= 1.01760E+00 BEFORE SEQUENCE NUMBER  597
  TOTAL ENERGY RELEASE SUMUP FAILURE
```

...

---

dec-043\_Tc\_111.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1186, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  NORMALIZATION CHECK INTEGRAL= 1.00108E+00 BEFORE SEQUENCE NUMBER  598
  TOTAL ENERGY RELEASE SUMUP FAILURE
```

...

---

dec-043\_Tc\_112.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1187, MF= 8, MT=457
  TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 1.02702E+07  SUM= 6.61133E+06          SEQUENCE NUMBER    1
  GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-043\_Tc\_113.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1188, MF= 8, MT=457
  NORMALIZATION CHECK INTEGRAL= 1.00142E+00 BEFORE SEQUENCE NUMBER  755
  TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 8.90599E+06  SUM= 5.10719E+06          SEQUENCE NUMBER    1
```

...

---

dec-043\_Tc\_114.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.



ERROR(S) FOUND IN MAT=1189, MF= 8, MT=457  
NORMALIZATION CHECK INTEGRAL= 1.00114E+00 BEFORE SEQUENCE NUMBER 866  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 1.05197E+07 SUM= 6.69522E+06 SEQUENCE NUMBER 1

...

---

dec-043\_Tc\_115.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1190, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 9.32984E+06 SUM= 5.25187E+06 SEQUENCE NUMBER 1  
GAMMA AVERAGE ENERGY SUMUP FAILURE

...

---

dec-043\_Tc\_116.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

ERROR(S) FOUND IN MAT=1191, MF= 8, MT=457  
NORMALIZATION CHECK INTEGRAL= 1.00114E+00 BEFORE SEQUENCE NUMBER 1009  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 1.15195E+07 SUM= 7.06143E+06 SEQUENCE NUMBER 1

...

---

dec-043\_Tc\_117.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1192, MF= 8, MT=457  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 1.01739E+07 SUM= 5.75692E+06 SEQUENCE NUMBER 1

...

---

dec-043\_Tc\_118.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1193, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 1.20370E+07 SUM= 7.42141E+06 SEQUENCE NUMBER 1  
GAMMA AVERAGE ENERGY SUMUP FAILURE

...

---

dec-044\_Ru\_087.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1194, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-044\_Ru\_088.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1195, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-044\_Ru\_089.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1196, MF= 8, MT=457  
7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 6  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-044\_Ru\_090.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1197, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-044\_Ru\_091.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1198, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER    5
```

---

dec-044\_Ru\_091m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1199, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER    5
```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=1199, MF= 1, MT=451
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE  SEQUENCE NUMBER    2
```

---

dec-044\_Ru\_092.endf

---

- Passed All Checks!

---

dec-044\_Ru\_093.endf

---

- Passed All Checks!

---

dec-044\_Ru\_093m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1202, MF= 8, MT=457
7 IN RTYPE = 2.70000E+00 IS INVALID          NEAR SEQUENCE NUMBER    6
NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER      7
```

---

dec-044\_Ru\_094.endf

---

- **fizcon** Errors:

1. Beta spectrum integral too small

```
ERROR(S) FOUND IN MAT=1203, MF= 8, MT=457
  FT VALUE TOO SMALL                      SEQUENCE NUMBER 18
  FT= 3.55685E-01  E= 1.13550E+06  I= 5    SEQUENCE NUMBER 18
```

---

dec-044\_Ru\_095.endf

---

- Passed All Checks!

---

dec-044\_Ru\_096.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1205, MF= 8, MT=457
  BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00    SEQUENCE NUMBER 4
  NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER 5
```

---

dec-044\_Ru\_097.endf

---

- Passed All Checks!

---

dec-044\_Ru\_098.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1207, MF= 8, MT=457
  BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00    SEQUENCE NUMBER 4
  NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER 5
```

---

dec-044\_Ru\_099.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1208, MF= 8, MT=457
  BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00    SEQUENCE NUMBER 4
  NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER 5
```

---

dec-044\_Ru\_100.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1209, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER  5
```

---

dec-044\_Ru\_101.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1210, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER  5
```

---

dec-044\_Ru\_102.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1211, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER  5
```

---

dec-044\_Ru\_103.endf

---

- Passed All Checks!

---

dec-044\_Ru\_103m1.endf

---

- Passed All Checks!

---

dec-044\_Ru\_104.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1214, MF= 8, MT=457  
 BRANCHING RATIO SUMUP FAILURE  
 WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
 NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

\_\_\_\_\_dec-044\_Ru\_105.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-044\_Ru\_106.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-044\_Ru\_107.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-044\_Ru\_108.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-044\_Ru\_109.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-044\_Ru\_110.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-044\_Ru\_111.endf\_\_\_\_\_

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

ERROR(S) FOUND IN MAT=1221, MF= 8, MT=457  
 PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
 NORMALIZATION CHECK INTEGRAL= 1.00108E+00 BEFORE SEQUENCE NUMBER 319  
 TOTAL ENERGY RELEASE SUMUP FAILURE

...

\_\_\_\_\_dec-044\_Ru\_112.endf\_\_\_\_\_

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1222, MF= 8, MT=457  
 TOTAL ENERGY RELEASE SUMUP FAILURE  
 WHOLE= 4.10657E+06 SUM= 2.22381E+06 SEQUENCE NUMBER 1  
 GAMMA AVERAGE ENERGY SUMUP FAILURE

...

---

dec-044\_Ru\_113.endf

---

- Passed All Checks!

---

dec-044\_Ru\_113m1.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1224, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

---

dec-044\_Ru\_114.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1225, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 5.49773E+06  SUM= 3.13397E+06           SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-044\_Ru\_115.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1226, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00738E+00 BEFORE SEQUENCE NUMBER 508
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 8.03761E+06  SUM= 5.53311E+06           SEQUENCE NUMBER    1
```

...

---

dec-044\_Ru\_116.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1227, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 6.57039E+06  SUM= 3.83160E+06           SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-044\_Ru\_117.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1228, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 9.30373E+06  SUM= 5.28652E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
...
```

---

dec-044\_Ru\_118.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1229, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 7.55166E+06  SUM= 4.23283E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
...
```

---

dec-044\_Ru\_119.endf

---

• **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1230, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.01184E+00 BEFORE SEQUENCE NUMBER  746
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 1.01284E+07  SUM= 6.50864E+06          SEQUENCE NUMBER    1
...
```

---

dec-044\_Ru\_120.endf

---

• **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1231, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00308E+00 BEFORE SEQUENCE NUMBER  742
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 8.62287E+06  SUM= 4.85900E+06          SEQUENCE NUMBER    1
...
```

---

dec-045\_Rh\_089.endf

---



• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1232, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-045\_Rh\_090.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1233, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-045\_Rh\_090m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1234, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=1234, MF= 1, MT=451
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE     SEQUENCE NUMBER    2
```

---

dec-045\_Rh\_091.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1235, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-045\_Rh\_092.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1236, MF= 8, MT=457		
NEGATIVE SPIN NOT ALLOWED	SEQUENCE NUMBER	4
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL	SEQUENCE NUMBER	4
PARITY= 0.00000E+00 NOT +1.0 OR -1.0	SEQUENCE NUMBER	4
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	5

---

dec-045\_Rh\_093.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1237, MF= 8, MT=457		
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	5

---

dec-045\_Rh\_094.endf

---

- Passed All Checks!

---

dec-045\_Rh\_094m1.endf

---

- **fizcon** Non-errors:

1. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=1239, MF= 1, MT=451		
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE	SEQUENCE NUMBER	2

---

dec-045\_Rh\_095.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1240, MF= 8, MT=457		
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	5

---

dec-045\_Rh\_095m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1241, MF= 8, MT=457		
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	6

---

dec-045\_Rh\_096.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1242, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-045\_Rh\_096m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1243, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-045\_Rh\_097.endf

---

- Passed All Checks!

---

dec-045\_Rh\_097m1.endf

---

- **fizcon** Errors:

1. Beta spectrum integral too small

ERROR(S) FOUND IN MAT=1245, MF= 8, MT=457  
FT VALUE TOO SMALL SEQUENCE NUMBER 171  
FT= 2.77443E+01 E= 1.21385E+06 I= 80 SEQUENCE NUMBER 171

---

dec-045\_Rh\_098.endf

---

- Passed All Checks!

---

dec-045\_Rh\_098m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1247, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=1247, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-045\_Rh\_099.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1248, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-045\_Rh\_099m1.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1249, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-045\_Rh\_100.endf

---

• fizcon Errors:

1. Beta spectrum integral too small

ERROR(S) FOUND IN MAT=1250, MF= 8, MT=457  
FT VALUE TOO SMALL SEQUENCE NUMBER 370  
FT= 9.38585E+01 E= 1.16561E+06 I= 151 SEQUENCE NUMBER 370

---

dec-045\_Rh\_100m1.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1251, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-045\_Rh\_101.endf

---

• Passed All Checks!

---

dec-045\_Rh\_101m1.endf

---

- Passed All Checks!

\_\_\_\_\_dec-045\_Rh\_102.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-045\_Rh\_102m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-045\_Rh\_103.endf\_\_\_\_\_

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1256, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER    5

```

\_\_\_\_\_dec-045\_Rh\_103m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-045\_Rh\_104.endf\_\_\_\_\_

- fizcon Errors:

1. Beta spectrum integral too small

```

ERROR(S) FOUND IN MAT=1258, MF= 8, MT=457
FT VALUE TOO SMALL
      FT= 9.05247E-01  E= 1.13900E+06  I= 25      SEQUENCE NUMBER    63
      SEQUENCE NUMBER    63

```

\_\_\_\_\_dec-045\_Rh\_104m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-045\_Rh\_105.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-045\_Rh\_105m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-045\_Rh\_106.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-045\_Rh\_106m1.endf\_\_\_\_\_

- Passed All Checks!

---

dec-045\_Rh\_107.endf

---

- Passed All Checks!

---

dec-045\_Rh\_108.endf

---

- Passed All Checks!

---

dec-045\_Rh\_108m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1266, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER      5
```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=1266, MF= 1, MT=451
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE  SEQUENCE NUMBER      2
```

---

dec-045\_Rh\_109.endf

---

- Passed All Checks!

---

dec-045\_Rh\_110.endf

---

- Passed All Checks!

---

dec-045\_Rh\_110m1.endf

---

- **fizcon** Non-errors:

1. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=1269, MF= 1, MT=451
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE  SEQUENCE NUMBER      2
```

---

dec-045\_Rh\_111.endf

---

- Passed All Checks!

---

dec-045\_Rh\_112.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1271, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 6.58851E+06  SUM= 4.40083E+06          SEQUENCE NUMBER    1
```

...

---

dec-045\_Rh\_112m1.endf

---

- Passed All Checks!

---

dec-045\_Rh\_113.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1273, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 4.82356E+06  SUM= 2.47845E+06          SEQUENCE NUMBER    1
```

...

---

dec-045\_Rh\_114.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1274, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 7.77758E+06  SUM= 5.12796E+06          SEQUENCE NUMBER    1
```

...

---

dec-045\_Rh\_115.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1275, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 6.19556E+06  SUM= 3.40643E+06          SEQUENCE NUMBER    1
```

...

---

dec-045\_Rh\_116.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1276, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  NORMALIZATION CHECK INTEGRAL= 1.00901E+00 BEFORE SEQUENCE NUMBER 600
  TOTAL ENERGY RELEASE SUMUP FAILURE
```

...

---

dec-045\_Rh\_116m1.endf

---

• Passed All Checks!

---

dec-045\_Rh\_117.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1278, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  NORMALIZATION CHECK INTEGRAL= 1.00122E+00 BEFORE SEQUENCE NUMBER 617
  TOTAL ENERGY RELEASE SUMUP FAILURE
```

...

---

dec-045\_Rh\_118.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1279, MF= 8, MT=457
  TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 1.02856E+07 SUM= 6.39283E+06          SEQUENCE NUMBER    1
  GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-045\_Rh\_119.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1280, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  NORMALIZATION CHECK INTEGRAL= 1.00900E+00 BEFORE SEQUENCE NUMBER 740
  TOTAL ENERGY RELEASE SUMUP FAILURE
```

...



---

dec-045\_Rh\_120.endf

---

• **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1281, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00311E+00 BEFORE SEQUENCE NUMBER 838
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 1.13387E+07 SUM= 7.17187E+06 SEQUENCE NUMBER 1
...
```

---

dec-045\_Rh\_121.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1282, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 9.40186E+06 SUM= 5.15901E+06 SEQUENCE NUMBER 1
GAMMA AVERAGE ENERGY SUMUP FAILURE
...
```

---

dec-045\_Rh\_122.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1283, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 1.17982E+07 SUM= 7.35122E+06 SEQUENCE NUMBER 1
GAMMA AVERAGE ENERGY SUMUP FAILURE
...
```

---

dec-045\_Rh\_123.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1284, MF= 8, MT=457
E(MAXIMUM) > Q E= 1.05600E+07 Q= 1.05620E+04 SEQUENCE NUMBER 10
E(MAXIMUM) > Q E= 1.02000E+07 Q= 1.05620E+04 SEQUENCE NUMBER 367
E(MAXIMUM) > Q E= 6.57000E+06 Q= 6.57100E+03 SEQUENCE NUMBER 712
...
```

---

dec-046\_Pd\_091.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1285, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
  
```

---

dec-046\_Pd\_092.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1286, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
  
```

---

dec-046\_Pd\_093.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1287, MF= 8, MT=457
NEGATIVE SPIN NOT ALLOWED                           SEQUENCE NUMBER    4
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL            SEQUENCE NUMBER    4
PARITY= 0.00000E+00 NOT +1.0 OR -1.0               SEQUENCE NUMBER    4
 7 IN RTYPE = 2.70000E+00 IS INVALID                 NEAR SEQUENCE NUMBER 6
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
  
```

---

dec-046\_Pd\_094.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1288, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
  
```

---

dec-046\_Pd\_095.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1289, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 5

---

dec-046\_Pd\_095m1.endf

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1290, MF= 8, MT=457  
7 IN RTYPE = 2.70000E+00 IS INVALID  
NO DECAY SPECTRA GIVEN

NEAR SEQUENCE NUMBER 6  
SEQUENCE NUMBER 7

---

dec-046\_Pd\_096.endf

- Passed All Checks!

---

dec-046\_Pd\_097.endf

- Passed All Checks!

---

dec-046\_Pd\_098.endf

- Passed All Checks!

---

dec-046\_Pd\_099.endf

- fizcon Errors:

1. Beta spectrum integral too small

ERROR(S) FOUND IN MAT=1294, MF= 8, MT=457  
FT VALUE TOO SMALL  
FT= 2.85104E+01 E= 1.21200E+06 I= 118

SEQUENCE NUMBER 256  
SEQUENCE NUMBER 256

---

dec-046\_Pd\_100.endf

- Passed All Checks!

---

dec-046\_Pd\_101.endf

- Passed All Checks!

---

dec-046\_Pd\_102.endf

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1297, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-046\_Pd\_103.endf

---

- Passed All Checks!

---

dec-046\_Pd\_104.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1299, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-046\_Pd\_105.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1300, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-046\_Pd\_106.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1301, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-046\_Pd\_107.endf

---

- Passed All Checks!

---

dec-046\_Pd\_107m1.endf

---

- Passed All Checks!

---

dec-046\_Pd\_108.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1304, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5
```

---

dec-046\_Pd\_109.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1305, MF= 8, MT=457
BETA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 3.60789E+05  SUM= 3.59843E+05
```

---

dec-046\_Pd\_109m1.endf

---

- Passed All Checks!

---

dec-046\_Pd\_110.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1307, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5
```

---

dec-046\_Pd\_111.endf

---

- Passed All Checks!

---

dec-046\_Pd\_111m1.endf

---

- Passed All Checks!

---

dec-046\_Pd\_112.endf

---

- Passed All Checks!

\_\_\_\_\_dec-046\_Pd\_113.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-046\_Pd\_113m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-046\_Pd\_114.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-046\_Pd\_115.endf\_\_\_\_\_

- **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1314, MF= 8, MT=457
PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
NORMALIZATION CHECK INTEGRAL= 1.00244E+00 BEFORE SEQUENCE NUMBER 251
TOTAL ENERGY RELEASE SUMUP FAILURE
```

...

\_\_\_\_\_dec-046\_Pd\_115m1.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1315, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER    6
```

\_\_\_\_\_dec-046\_Pd\_116.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-046\_Pd\_117.endf\_\_\_\_\_

- **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1317, MF= 8, MT=457
PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
NORMALIZATION CHECK INTEGRAL= 1.00114E+00 BEFORE SEQUENCE NUMBER 321
TOTAL ENERGY RELEASE SUMUP FAILURE
```

...

---

dec-046\_Pd\_117m1.endf

---

- Passed All Checks!

---

dec-046\_Pd\_118.endf

---

- Passed All Checks!

---

dec-046\_Pd\_119.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1320, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 7.23803E+06  SUM= 3.99814E+06      SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-046\_Pd\_120.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1321, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 5.34155E+06  SUM= 2.92229E+06      SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-046\_Pd\_121.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1322, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 8.14552E+06  SUM= 5.46452E+06      SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-046\_Pd\_122.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1323, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 6.41073E+06 SUM= 3.70334E+06 SEQUENCE NUMBER 1  
GAMMA AVERAGE ENERGY SUMUP FAILURE

...

---

dec-046\_Pd\_123.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1324, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 8.87724E+06 SUM= 6.04340E+06 SEQUENCE NUMBER 1  
GAMMA AVERAGE ENERGY SUMUP FAILURE

...

---

dec-046\_Pd\_124.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1325, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 7.39792E+06 SUM= 4.57874E+06 SEQUENCE NUMBER 1  
GAMMA AVERAGE ENERGY SUMUP FAILURE

...

---

dec-046\_Pd\_125.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1326, MF= 8, MT=457  
E(MAXIMUM) > Q E= 9.27000E+06 Q= 9.64400E+03 SEQUENCE NUMBER 9  
E(MAXIMUM) > Q E= 5.41000E+06 Q= 9.64400E+03 SEQUENCE NUMBER 323  
E(MAXIMUM) > Q E= 2.97000E+06 Q= 3.24000E+03 SEQUENCE NUMBER 508

...

---

dec-046\_Pd\_126.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!



```

ERROR(S) FOUND IN MAT=1327, MF= 8, MT=457
  E(MAXIMUM) > Q  E= 7.41000E+06  Q= 7.64300E+03  SEQUENCE NUMBER    9
  E(MAXIMUM) > Q  E= 5.39000E+06  Q= 7.64300E+03  SEQUENCE NUMBER   261
  E(MAXIMUM) > Q  E= 2.91000E+06  Q= 3.36300E+03  SEQUENCE NUMBER   445
...

```

---

dec-047\_Ag\_093.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1328, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    6

```

---

dec-047\_Ag\_094.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1329, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5

```

---

dec-047\_Ag\_094m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1330, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID                    NEAR SEQUENCE NUMBER    6
  NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    6

```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```

ERROR(S) FOUND IN MAT=1330, MF= 1, MT=451
  ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE        SEQUENCE NUMBER    2

```

---

dec-047\_Ag\_094m2.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1331, MF= 8, MT=457
  SPI NOT IN RANGE 0.00000E+00 TO 1.60000E+01 SEQUENCE NUMBER 7
  7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 6
  NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```

ERROR(S) FOUND IN MAT=1331, MF= 1, MT=451
  ELIS NOT IN RANGE 0.00000E+00 TO 3.00000E+06 SEQUENCE NUMBER 3

```

---

dec-047\_Ag\_095.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1332, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 6
  NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

```

---

dec-047\_Ag\_095m1.endf

---

- Passed All Checks!

---

dec-047\_Ag\_095m2.endf

---

- Passed All Checks!

---

dec-047\_Ag\_095m3.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=1335, MF= 8, MT=457
  SPI NOT IN RANGE 0.00000E+00 TO 1.60000E+01 SEQUENCE NUMBER 5
  TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 4.86003E+06 SUM= 4.08870E+06 SEQUENCE NUMBER 1

```

fizcon Non-errors:

1. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```

ERROR(S) FOUND IN MAT=1335, MF= 1, MT=451
  ELIS NOT IN RANGE 0.00000E+00 TO 3.00000E+06 SEQUENCE NUMBER 3

```

---

dec-047\_Ag\_096.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1336, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER    6
NO DECAY SPECTRA GIVEN                   SEQUENCE NUMBER        6
```

---

dec-047\_Ag\_096m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1337, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER    6
NO DECAY SPECTRA GIVEN                   SEQUENCE NUMBER        6
```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=1337, MF= 1, MT=451
  ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER  2
```

---

dec-047\_Ag\_097.endf

---

- Passed All Checks!

---

dec-047\_Ag\_098.endf

---

- Passed All Checks!

---

dec-047\_Ag\_099.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1340, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                   SEQUENCE NUMBER        5
```

---

dec-047\_Ag\_099m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1341, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-047\_Ag\_100.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1342, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-047\_Ag\_100m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1343, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-047\_Ag\_101.endf

---

- Passed All Checks!

---

dec-047\_Ag\_101m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1345, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-047\_Ag\_102.endf

---

- Passed All Checks!

---

dec-047\_Ag\_102m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1347, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 6

\_\_\_\_\_dec-047\_Ag\_103.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-047\_Ag\_103m1.endf\_\_\_\_\_

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1349, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 5

\_\_\_\_\_dec-047\_Ag\_104.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-047\_Ag\_104m1.endf\_\_\_\_\_

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1351, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 6

\_\_\_\_\_dec-047\_Ag\_105.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-047\_Ag\_105m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-047\_Ag\_106.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-047\_Ag\_106m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-047\_Ag\_107.endf\_\_\_\_\_

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1356, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-047\_Ag\_107m1.endf

---

- Passed All Checks!

---

dec-047\_Ag\_108.endf

---

- Passed All Checks!

---

dec-047\_Ag\_108m1.endf

---

- Passed All Checks!

---

dec-047\_Ag\_109.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1360, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-047\_Ag\_109m1.endf

---

- Passed All Checks!

---

dec-047\_Ag\_110.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1362, MF= 8, MT=457  
BETA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 1.17807E+06 SUM= 1.17106E+06

---

dec-047\_Ag\_110m1.endf

---

- Passed All Checks!

---

dec-047\_Ag\_111.endf

---

- Passed All Checks!

\_\_\_\_\_dec-047\_Ag\_111m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-047\_Ag\_112.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-047\_Ag\_113.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-047\_Ag\_113m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-047\_Ag\_114.endf\_\_\_\_\_

- fizcon Errors:

1. Beta spectrum integral too small

```
ERROR(S) FOUND IN MAT=1369, MF= 8, MT=457
  FT VALUE TOO SMALL                      SEQUENCE NUMBER  92
    FT= 7.15840E+05  E= 1.63090E+06  I=  42  SEQUENCE NUMBER  92
  BETA MULTIPLICITY SUMUP FAILURE
    WHOLE= 1.00000E+00  SUM= 1.00070E+00
  BETA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 2.14997E+06  SUM= 2.09459E+06
```

\_\_\_\_\_dec-047\_Ag\_114m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-047\_Ag\_115.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-047\_Ag\_115m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-047\_Ag\_116.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-047\_Ag\_116m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-047\_Ag\_116m2.endf\_\_\_\_\_

- Passed All Checks!

---

dec-047\_Ag\_117.endf

---

- Passed All Checks!

---

dec-047\_Ag\_117m1.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1377, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 3.98375E+06  SUM= 3.23835E+06          SEQUENCE NUMBER    1
BETA MULTIPLICITY SUMUP FAILURE
  WHOLE= 9.40000E-01  SUM= 6.94284E-01
BETA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 1.25052E+06  SUM= 1.02584E+06
```

---

dec-047\_Ag\_118.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1378, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 7.15186E+06  SUM= 4.80115E+06          SEQUENCE NUMBER    1
...
```

---

dec-047\_Ag\_118m1.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1379, MF= 8, MT=457
BETA MULTIPLICITY SUMUP FAILURE
  WHOLE= 5.90000E-01  SUM= 5.25626E-01
BETA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 1.13136E+06  SUM= 9.75394E+05
```

---

dec-047\_Ag\_119.endf

---

- Passed All Checks!

---

dec-047\_Ag\_119m1.endf

---

- fizcon Non-errors:



1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1381, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5

```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```

ERROR(S) FOUND IN MAT=1381, MF= 1, MT=451
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE     SEQUENCE NUMBER    2

```

---

dec-047\_Ag\_120.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```

ERROR(S) FOUND IN MAT=1382, MF= 8, MT=457
PARITY= 0.00000E+00 NOT +1.0 OR -1.0              SEQUENCE NUMBER    4
NORMALIZATION CHECK INTEGRAL= 1.16998E+00 BEFORE SEQUENCE NUMBER 509
TOTAL ENERGY RELEASE SUMUP FAILURE
...

```

---

dec-047\_Ag\_120m1.endf

---

- fizcon Errors:

1. Beta spectrum integral too small

```

ERROR(S) FOUND IN MAT=1383, MF= 8, MT=457
FT VALUE TOO SMALL                                SEQUENCE NUMBER 123
FT= 3.52498E+05 E= 6.30048E+06 I= 56            SEQUENCE NUMBER 123

```

---

dec-047\_Ag\_121.endf

---

- Passed All Checks!

---

dec-047\_Ag\_122.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```

ERROR(S) FOUND IN MAT=1385, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00864E+00 BEFORE SEQUENCE NUMBER 99
NEUTRON AVERAGE ENERGY SUMUP FAILURE
WHOLE= 4.00738E+02 SUM= 4.13518E+02

```

---

dec-047\_Ag\_122m1.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1386, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 9.58626E+06  SUM= 6.39459E+06        SEQUENCE NUMBER    1
  ...
```

---

dec-047\_Ag\_123.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1387, MF= 8, MT=457
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 7.74276E+06  SUM= 4.50087E+06        SEQUENCE NUMBER    1
  BETA MULTIPLICITY SUMUP FAILURE
    WHOLE= 1.00000E+00  SUM= 1.53880E+00
  NEUTRON AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 1.82800E+03  SUM= 1.87094E+03
```

---

dec-047\_Ag\_124.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1388, MF= 8, MT=457
  NORMALIZATION CHECK INTEGRAL= 1.00264E+00 BEFORE SEQUENCE NUMBER  749
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 1.04005E+07  SUM= 6.85917E+06        SEQUENCE NUMBER    1
  ...
```

---

dec-047\_Ag\_125.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1389, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 8.76689E+06  SUM= 5.14635E+06        SEQUENCE NUMBER    1
  ...
```

---

dec-047\_Ag\_126.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1390, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 1.11724E+07  SUM= 7.50572E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
...
```

---

dec-047\_Ag\_127.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1391, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 9.45199E+06  SUM= 5.60352E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
...
```

---

dec-047\_Ag\_128.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1392, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 1.18909E+07  SUM= 7.86740E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
...
```

---

dec-047\_Ag\_129.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1393, MF= 8, MT=457
PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 1.03790E+07  SUM= 5.97707E+06          SEQUENCE NUMBER    1
...
```

---

dec-047\_Ag\_130.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1394, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 1.01612E+07  SUM= 5.68002E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
...
```

---

dec-048\_Cd\_095.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1395, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID          NEAR SEQUENCE NUMBER    6
NO DECAY SPECTRA GIVEN                        SEQUENCE NUMBER        6
```

---

dec-048\_Cd\_096.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1396, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                        SEQUENCE NUMBER        5
```

---

dec-048\_Cd\_097.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1397, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID          NEAR SEQUENCE NUMBER    6
NO DECAY SPECTRA GIVEN                        SEQUENCE NUMBER        6
```

---

dec-048\_Cd\_098.endf

---

• Passed All Checks!

---

dec-048\_Cd\_099.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1399, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER    7
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER        7

```

---

dec-048\_Cd\_100.endf

---

- Passed All Checks!

---

dec-048\_Cd\_101.endf

---

- Passed All Checks!

---

dec-048\_Cd\_102.endf

---

- **fizcon** Errors:

1. Beta spectrum integral too small

```

ERROR(S) FOUND IN MAT=1402, MF= 8, MT=457
  FT VALUE TOO SMALL                      SEQUENCE NUMBER    79
  FT= 5.19098E+00  E= 1.21840E+06  I=  30  SEQUENCE NUMBER    79
  FT VALUE TOO SMALL                      SEQUENCE NUMBER    81
  FT= 1.09632E+02  E= 1.54141E+06  I=  31  SEQUENCE NUMBER    81

```

---

dec-048\_Cd\_103.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1403, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER    5

```

---

dec-048\_Cd\_104.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1404, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER    5

```

---

dec-048\_Cd\_105.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1405, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5

```

---

dec-048\_Cd\_106.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1406, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
WHOLE= 1.00000E+00 SUM= 0.00000E+00           SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                        SEQUENCE NUMBER 5

```

---

dec-048\_Cd\_107.endf

---

- **fizcon** Errors:

1. Beta spectrum integral too small

```

ERROR(S) FOUND IN MAT=1407, MF= 8, MT=457
FT VALUE TOO SMALL                                SEQUENCE NUMBER 114
FT= 1.72073E+02 E= 1.32387E+06 I= 44           SEQUENCE NUMBER 114

```

---

dec-048\_Cd\_108.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1408, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
WHOLE= 1.00000E+00 SUM= 0.00000E+00           SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                        SEQUENCE NUMBER 5

```

---

dec-048\_Cd\_109.endf

---

- Passed All Checks!

---

dec-048\_Cd\_110.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1410, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                          SEQUENCE NUMBER 5
```

---

dec-048\_Cd\_111.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1411, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                          SEQUENCE NUMBER 5
```

---

dec-048\_Cd\_111m1.endf

---

- Passed All Checks!

---

dec-048\_Cd\_112.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1413, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                          SEQUENCE NUMBER 5
```

---

dec-048\_Cd\_113.endf

---

- Passed All Checks!

---

dec-048\_Cd\_113m1.endf

---

- Passed All Checks!

---

dec-048\_Cd\_114.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1416, MF= 8, MT=457  
 BRANCHING RATIO SUMUP FAILURE  
 WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
 NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

\_\_\_\_\_dec-048\_Cd\_115.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-048\_Cd\_115m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-048\_Cd\_116.endf\_\_\_\_\_

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1419, MF= 8, MT=457  
 T12 NOT IN RANGE 0.00000E+00 TO 1.00000E+24 SEQUENCE NUMBER 3  
 NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

\_\_\_\_\_dec-048\_Cd\_117.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-048\_Cd\_117m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-048\_Cd\_118.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-048\_Cd\_119.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-048\_Cd\_119m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-048\_Cd\_120.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-048\_Cd\_121.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-048\_Cd\_121m1.endf\_\_\_\_\_



- Passed All Checks!

---

dec-048\_Cd\_122.endf

---

- Passed All Checks!

---

dec-048\_Cd\_123.endf

---

- Passed All Checks!

---

dec-048\_Cd\_123m1.endf

---

- Passed All Checks!

---

dec-048\_Cd\_124.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1431, MF= 8, MT=457
  NORMALIZATION CHECK INTEGRAL= 1.00189E+00 BEFORE SEQUENCE NUMBER 232
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 4.17129E+06  SUM= 2.92539E+06          SEQUENCE NUMBER 1
```

...

---

dec-048\_Cd\_125.endf

---

- Passed All Checks!

---

dec-048\_Cd\_125m1.endf

---

- Passed All Checks!

---

dec-048\_Cd\_126.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1434, MF= 8, MT=457
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 5.55731E+06  SUM= 3.84398E+06          SEQUENCE NUMBER 1
  GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-048\_Cd\_127.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1435, MF= 8, MT=457  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
E(MAXIMUM) > Q E= 1.31000E+06 Q= 1.30704E+06 SEQUENCE NUMBER 445  
TOTAL ENERGY RELEASE SUMUP FAILURE

...

---

dec-048\_Cd\_128.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1436, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 7.05580E+06 SUM= 4.77490E+06 SEQUENCE NUMBER 1  
GAMMA AVERAGE ENERGY SUMUP FAILURE

...

---

dec-048\_Cd\_129.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1437, MF= 8, MT=457  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 9.48341E+06 SUM= 7.11248E+06 SEQUENCE NUMBER 1

...

---

dec-048\_Cd\_130.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1438, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 8.16990E+06 SUM= 5.13658E+06 SEQUENCE NUMBER 1  
GAMMA AVERAGE ENERGY SUMUP FAILURE

...

---

dec-048\_Cd\_131.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=1439, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 8.42309E+06  SUM= 5.29633E+06        SEQUENCE NUMBER    1
...

```

---

dec-048\_Cd\_132.endf

---

- **fizcon Errors:**

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=1440, MF= 8, MT=457
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 9.10058E+06  SUM= 6.26188E+06        SEQUENCE NUMBER    1
  GAMMA AVERAGE ENERGY SUMUP FAILURE
...

```

---

dec-049\_In\_097.endf

---

- **fizcon Non-errors:**

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1441, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN                        SEQUENCE NUMBER    6

```

---

dec-049\_In\_098.endf

---

- **fizcon Non-errors:**

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1442, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN                        SEQUENCE NUMBER    5

```

---

dec-049\_In\_098m1.endf

---

- **fizcon Non-errors:**

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1443, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN                        SEQUENCE NUMBER    5

```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```

ERROR(S) FOUND IN MAT=1443, MF= 1, MT=451
  ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE      SEQUENCE NUMBER      2

```

---

dec-049\_In\_099.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1444, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER      5

```

---

dec-049\_In\_100.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1445, MF= 8, MT=457
  NEGATIVE SPIN NOT ALLOWED                           SEQUENCE NUMBER      4
  SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL           SEQUENCE NUMBER      4
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0              SEQUENCE NUMBER      4
  7 IN RTYPE = 2.70000E+00 IS INVALID                 NEAR SEQUENCE NUMBER  6
  NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER      6

```

---

dec-049\_In\_101.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1446, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER      5

```

---

dec-049\_In\_102.endf

---

- Passed All Checks!

---

dec-049\_In\_103.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1448, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-049\_In\_103m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1449, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-049\_In\_104.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1450, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-049\_In\_104m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1451, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-049\_In\_105.endf

---

• Passed All Checks!

---

dec-049\_In\_105m1.endf

---

• Passed All Checks!

---

dec-049\_In\_106.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1454, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-049\_In\_106m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1455, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-049\_In\_107.endf

---

- Passed All Checks!

---

dec-049\_In\_107m1.endf

---

- Passed All Checks!

---

dec-049\_In\_108.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1458, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-049\_In\_108m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1459, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-049\_In\_109.endf

---

- Passed All Checks!

---

dec-049\_In\_109m1.endf

---

- Passed All Checks!

---

dec-049\_In\_109m2.endf

---

- Passed All Checks!

---

dec-049\_In\_110.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1463, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-049\_In\_110m1.endf

---

- Passed All Checks!

---

dec-049\_In\_111.endf

---

- Passed All Checks!

---

dec-049\_In\_111m1.endf

---

- Passed All Checks!

---

dec-049\_In\_112.endf

---

- Passed All Checks!

---

dec-049\_In\_112m1.endf

---

- Passed All Checks!

---

dec-049\_In\_113.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1469, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
WHOLE= 1.00000E+00 SUM= 0.00000E+00           SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-049\_In\_113m1.endf

---

- Passed All Checks!

---

dec-049\_In\_114.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1471, MF= 8, MT=457
BETA AVERAGE ENERGY SUMUP FAILURE
WHOLE= 7.74080E+05 SUM= 7.70306E+05
```

\_\_\_\_\_dec-049\_In\_114m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-049\_In\_114m2.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-049\_In\_115.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-049\_In\_115m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-049\_In\_116.endf\_\_\_\_\_

- fizcon Errors:

1. Beta spectrum integral too small

```
ERROR(S) FOUND IN MAT=1476, MF= 8, MT=457
  FT VALUE TOO SMALL                SEQUENCE NUMBER 34
  FT= 1.74955E+05 E= 4.88500E+05 I= 11  SEQUENCE NUMBER 34
  BETA MULTIPLICITY SUMUP FAILURE
    WHOLE= 9.99770E-01 SUM= 9.98520E-01
  BETA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 1.36594E+06 SUM= 1.35742E+06
```

\_\_\_\_\_dec-049\_In\_116m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-049\_In\_116m2.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-049\_In\_117.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-049\_In\_117m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-049\_In\_118.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-049\_In\_118m1.endf\_\_\_\_\_

- Passed All Checks!



\_\_\_\_\_dec-049\_In\_118m2.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-049\_In\_119.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-049\_In\_119m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-049\_In\_120.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-049\_In\_120m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-049\_In\_120m2.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-049\_In\_121.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-049\_In\_121m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-049\_In\_122.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-049\_In\_122m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-049\_In\_122m2.endf\_\_\_\_\_

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1493, MF= 8, MT=457  
BETA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 1.36741E+06 SUM= 1.21959E+06

\_\_\_\_\_dec-049\_In\_123.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-049\_In\_123m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-049\_In\_124.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-049\_In\_124m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-049\_In\_125.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-049\_In\_125m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-049\_In\_126.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-049\_In\_126m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-049\_In\_127.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-049\_In\_127m1.endf\_\_\_\_\_

- **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1503, MF= 8, MT=457  
NEUTRON AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 1.33106E+03 SUM= 1.37650E+03

\_\_\_\_\_dec-049\_In\_128.endf\_\_\_\_\_

- **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1504, MF= 8, MT=457  
E(MAXIMUM) > Q E= 1.04000E+06 Q= 1.03795E+06 SEQUENCE NUMBER 165  
NEUTRON AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 4.52148E+01 SUM= 4.74892E+01

\_\_\_\_\_dec-049\_In\_128m1.endf\_\_\_\_\_

- **fizcon** Errors:

1. Beta spectrum integral too small

```
ERROR(S) FOUND IN MAT=1505, MF= 8, MT=457
  FT VALUE TOO SMALL                      SEQUENCE NUMBER 117
  FT= 8.89800E+05 E= 6.48711E+06 I= 51    SEQUENCE NUMBER 117
  NEUTRON AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 7.26337E+01 SUM= 7.54339E+01
```

---

dec-049\_In\_129.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1506, MF= 8, MT=457
  NORMALIZATION CHECK INTEGRAL= 1.00161E+00 BEFORE SEQUENCE NUMBER 208
  NEUTRON AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 1.35382E+03 SUM= 1.37709E+03
```

---

dec-049\_In\_129m1.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1507, MF= 8, MT=457
  NEUTRON AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 1.16695E+04 SUM= 1.18875E+04
```

---

dec-049\_In\_130.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1508, MF= 8, MT=457
  NEUTRON AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 4.97300E+03 SUM= 5.05877E+03
```

---

dec-049\_In\_130m1.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1509, MF= 8, MT=457
  NEUTRON AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 8.81837E+03 SUM= 8.97051E+03
```

---

dec-049\_In\_130m2.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1510, MF= 8, MT=457
  NEUTRON AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 4.63392E+03  SUM= 4.75332E+03
```

---

dec-049\_In\_131.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1511, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 9.11788E+06  SUM= 5.68793E+06          SEQUENCE NUMBER    1
  ...
```

---

dec-049\_In\_131m1.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1512, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 9.41988E+06  SUM= 5.67984E+06          SEQUENCE NUMBER    1
  ...
```

---

dec-049\_In\_131m2.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1513, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  NORMALIZATION CHECK INTEGRAL= 1.00821E+00 BEFORE SEQUENCE NUMBER 685
  TOTAL ENERGY RELEASE SUMUP FAILURE
  ...
```

fizcon Non-errors:

1. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=1513, MF= 1, MT=451  
ELIS NOT IN RANGE 0.00000E+00 TO 3.00000E+06 SEQUENCE NUMBER 3

---

dec-049\_In\_132.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1514, MF= 8, MT=457  
NEUTRON AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 6.38584E+04 SUM= 6.46100E+04

---

dec-049\_In\_133.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1515, MF= 8, MT=457  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 1.07150E+07 SUM= 6.69367E+06 SEQUENCE NUMBER 1

...

---

dec-049\_In\_133m1.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1516, MF= 8, MT=457  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 1.10424E+07 SUM= 6.69083E+06 SEQUENCE NUMBER 1

...

---

dec-049\_In\_134.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1517, MF= 8, MT=457  
E(MAXIMUM) > Q E= 1.42900E+07 Q= 1.07520E+07 SEQUENCE NUMBER 10  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 9.65931E+06 SUM= 6.06297E+06 SEQUENCE NUMBER 1

...

---

dec-049\_In\_135.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1518, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 1.07116E+07  SUM= 6.85156E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-050\_Sn\_099.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1519, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID          NEAR SEQUENCE NUMBER    6
NO DECAY SPECTRA GIVEN                       SEQUENCE NUMBER        6
```

---

dec-050\_Sn\_100.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1520, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID          NEAR SEQUENCE NUMBER    6
NO DECAY SPECTRA GIVEN                       SEQUENCE NUMBER        6
```

---

dec-050\_Sn\_101.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1521, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID          NEAR SEQUENCE NUMBER    6
NO DECAY SPECTRA GIVEN                       SEQUENCE NUMBER        6
```

---

dec-050\_Sn\_102.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1522, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5

```

---

dec-050\_Sn\_103.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1523, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID    NEAR SEQUENCE NUMBER  6
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    6

```

---

dec-050\_Sn\_104.endf

---

- Passed All Checks!

---

dec-050\_Sn\_105.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1525, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5

```

---

dec-050\_Sn\_106.endf

---

- **fizcon** Errors:

1. Beta spectrum integral too small

```

ERROR(S) FOUND IN MAT=1526, MF= 8, MT=457
  FT VALUE TOO SMALL                                SEQUENCE NUMBER    44
  FT= 3.87786E+01  E= 1.32170E+06  I= 16          SEQUENCE NUMBER    44

```

---

dec-050\_Sn\_107.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1527, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5

```

---

dec-050\_Sn\_108.endf

---

- **fizcon** Errors:

1. Beta spectrum integral too small

```
ERROR(S) FOUND IN MAT=1528, MF= 8, MT=457
  FT VALUE TOO SMALL                      SEQUENCE NUMBER  48
  FT= 1.04925E+01  E= 1.37820E+06  I=  15    SEQUENCE NUMBER  48
```

---

dec-050\_Sn\_109.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1529, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER  5
```

---

dec-050\_Sn\_110.endf

---

- Passed All Checks!

---

dec-050\_Sn\_111.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1531, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER  5
```

---

dec-050\_Sn\_112.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1532, MF= 8, MT=457
  BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00    SEQUENCE NUMBER  4
  NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER  5
```

---

dec-050\_Sn\_113.endf

---

- **fizcon** Errors:



1. A discrete gamma energy is not energetically possible for the given Q value

```
ERROR(S) FOUND IN MAT=1533, MF= 8, MT=457
E(DISCRETE) > Q  E= 6.46830E+05  Q= 6.44901E+05  SEQUENCE NUMBER  16
```

---

dec-050\_Sn\_113m1.endf

---

- Passed All Checks!

---

dec-050\_Sn\_114.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1535, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00          SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-050\_Sn\_115.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1536, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00          SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-050\_Sn\_116.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1537, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00          SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-050\_Sn\_117.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1538, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5

```

---

dec-050\_Sn\_117m1.endf

---

- Passed All Checks!

---

dec-050\_Sn\_118.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1540, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5

```

---

dec-050\_Sn\_119.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1541, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5

```

---

dec-050\_Sn\_119m1.endf

---

- Passed All Checks!

---

dec-050\_Sn\_120.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1543, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5

```

---

dec-050\_Sn\_121.endf

---

- Passed All Checks!

---

dec-050\_Sn\_121m1.endf

---

- Passed All Checks!

---

dec-050\_Sn\_122.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1546, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5
```

---

dec-050\_Sn\_123.endf

---

- Passed All Checks!

---

dec-050\_Sn\_123m1.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1548, MF= 8, MT=457
BETA AVERAGE ENERGY SUMUP FAILURE
      WHOLE= 4.61254E+05  SUM= 4.59647E+05
```

---

dec-050\_Sn\_124.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1549, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5
```

---

dec-050\_Sn\_125.endf

---

- Passed All Checks!

---

dec-050\_Sn\_125m1.endf

---

- Passed All Checks!

\_\_\_\_\_dec-050\_Sn\_126.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-050\_Sn\_127.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-050\_Sn\_127m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-050\_Sn\_128.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-050\_Sn\_128m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-050\_Sn\_129.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-050\_Sn\_129m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-050\_Sn\_130.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-050\_Sn\_130m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-050\_Sn\_131.endf\_\_\_\_\_

- **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1561, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  NORMALIZATION CHECK INTEGRAL= 1.00358E+00 BEFORE SEQUENCE NUMBER 252
  TOTAL ENERGY RELEASE SUMUP FAILURE
```

...

\_\_\_\_\_dec-050\_Sn\_131m1.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1562, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5

```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```

ERROR(S) FOUND IN MAT=1562, MF= 1, MT=451
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE     SEQUENCE NUMBER    2

```

---

dec-050\_Sn\_132.endf

---

- Passed All Checks!

---

dec-050\_Sn\_133.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```

ERROR(S) FOUND IN MAT=1564, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.01580E+00 BEFORE SEQUENCE NUMBER    464
NEUTRON AVERAGE ENERGY SUMUP FAILURE
WHOLE= 1.40953E+01  SUM= 1.57019E+01

```

---

dec-050\_Sn\_134.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```

ERROR(S) FOUND IN MAT=1565, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00231E+00 BEFORE SEQUENCE NUMBER    202
NEUTRON AVERAGE ENERGY SUMUP FAILURE
WHOLE= 9.78285E+04  SUM= 9.94274E+04

```

---

dec-050\_Sn\_135.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```

ERROR(S) FOUND IN MAT=1566, MF= 8, MT=457
PARITY= 0.00000E+00 NOT +1.0 OR -1.0                SEQUENCE NUMBER    4
E(MAXIMUM) > Q  E= 9.18000E+06  Q= 5.48200E+06      SEQUENCE NUMBER    9
NORMALIZATION CHECK INTEGRAL= 1.00110E+00 BEFORE SEQUENCE NUMBER    457

```

...

---

dec-050\_Sn\_136.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1567, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 5.41403E+06  SUM= 3.00493E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
...
```

---

dec-050\_Sn\_137.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1568, MF= 8, MT=457
E(MAXIMUM) > Q  E= 1.00900E+07  Q= 6.14300E+06  SEQUENCE NUMBER    9
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 6.04991E+06  SUM= 3.73603E+06          SEQUENCE NUMBER    1
...
```

---

dec-051\_Sb\_103.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1569, MF= 8, MT=457
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-051\_Sb\_104.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1570, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID  NEAR SEQUENCE NUMBER    6
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    7
```

---

dec-051\_Sb\_105.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1571, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-051\_Sb\_106.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1572, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-051\_Sb\_107.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1573, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-051\_Sb\_108.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1574, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-051\_Sb\_109.endf

- Passed All Checks!

---

dec-051\_Sb\_110.endf

- Passed All Checks!

---

dec-051\_Sb\_111.endf

- Passed All Checks!

---

dec-051\_Sb\_112.endf

- **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1578, MF= 8, MT=457  
E.C. MULTIPLICITY SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 9.98600E-01

\_\_\_\_\_dec-051\_Sb\_113.endf\_\_\_\_\_

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1579, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN  
SEQUENCE NUMBER 5

\_\_\_\_\_dec-051\_Sb\_114.endf\_\_\_\_\_

• Passed All Checks!

\_\_\_\_\_dec-051\_Sb\_115.endf\_\_\_\_\_

• Passed All Checks!

\_\_\_\_\_dec-051\_Sb\_116.endf\_\_\_\_\_

• Passed All Checks!

\_\_\_\_\_dec-051\_Sb\_116m1.endf\_\_\_\_\_

• Passed All Checks!

\_\_\_\_\_dec-051\_Sb\_117.endf\_\_\_\_\_

• Passed All Checks!

\_\_\_\_\_dec-051\_Sb\_118.endf\_\_\_\_\_

• Passed All Checks!

\_\_\_\_\_dec-051\_Sb\_118m1.endf\_\_\_\_\_

• fizcon Errors:

1. Beta spectrum integral too small

ERROR(S) FOUND IN MAT=1586, MF= 8, MT=457  
FT VALUE TOO SMALL  
FT= 1.40138E+02 E= 1.33216E+06 I= 8  
SEQUENCE NUMBER 30  
SEQUENCE NUMBER 30

\_\_\_\_\_dec-051\_Sb\_119.endf\_\_\_\_\_



- Passed All Checks!

\_\_\_\_\_dec-051\_Sb\_119m1.endf\_\_\_\_\_

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1588, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5

```

\_\_\_\_\_dec-051\_Sb\_120.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-051\_Sb\_120m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-051\_Sb\_121.endf\_\_\_\_\_

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1591, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00    SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5

```

\_\_\_\_\_dec-051\_Sb\_122.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-051\_Sb\_122m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-051\_Sb\_123.endf\_\_\_\_\_

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1594, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00    SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5

```

\_\_\_\_\_dec-051\_Sb\_124.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-051\_Sb\_124m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-051\_Sb\_124m2.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-051\_Sb\_125.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-051\_Sb\_126.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-051\_Sb\_126m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-051\_Sb\_126m2.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-051\_Sb\_127.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-051\_Sb\_128.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-051\_Sb\_128m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-051\_Sb\_129.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-051\_Sb\_129m1.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1606, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 6

\_\_\_\_\_dec-051\_Sb\_130.endf\_\_\_\_\_

- Passed All Checks!

---

dec-051\_Sb\_130m1.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1608, MF= 8, MT=457
  BETA MULTIPLICITY SUMUP FAILURE
    WHOLE= 1.00000E+00  SUM= 8.69000E-01
```

---

dec-051\_Sb\_131.endf

---

- Passed All Checks!

---

dec-051\_Sb\_132.endf

---

- Passed All Checks!

---

dec-051\_Sb\_132m1.endf

---

- Passed All Checks!

---

dec-051\_Sb\_133.endf

---

- Passed All Checks!

---

dec-051\_Sb\_134.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1613, MF= 8, MT=457
  E(MAXIMUM) > Q  E= 7.10000E+05  Q= 7.07460E+05  SEQUENCE NUMBER  69
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 8.16728E+06  SUM= 8.44801E+06  SEQUENCE NUMBER  1
  ...
```

---

dec-051\_Sb\_134m1.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1614, MF= 8, MT=457
  NEUTRON AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 9.71400E+01  SUM= 1.02311E+02
```

---

dec-051\_Sb\_135.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1615, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00664E+00 BEFORE SEQUENCE NUMBER 297
NEUTRON AVERAGE ENERGY SUMUP FAILURE
WHOLE= 1.95200E+05 SUM= 1.97331E+05
```

---

dec-051\_Sb\_136.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1616, MF= 8, MT=457
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 7.70360E+06 SUM= 5.16874E+06 SEQUENCE NUMBER 1
...
```

---

dec-051\_Sb\_137.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1617, MF= 8, MT=457
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 6.00844E+06 SUM= 3.54290E+06 SEQUENCE NUMBER 1
...
```

---

dec-051\_Sb\_138.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1618, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 9.97002E+06 SUM= 6.34003E+06 SEQUENCE NUMBER 1
GAMMA AVERAGE ENERGY SUMUP FAILURE
...
```

---

dec-051\_Sb\_139.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1619, MF= 8, MT=457
E(MAXIMUM) > Q E= 1.00600E+07 Q= 7.36400E+06 SEQUENCE NUMBER 9
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 7.35476E+06 SUM= 4.16337E+06 SEQUENCE NUMBER 1
```

...

---

dec-052\_Te\_105.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1620, MF= 8, MT=457
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5
```

---

dec-052\_Te\_106.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1621, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
WHOLE= 4.28377E+06 SUM= 4.12800E+06 SEQUENCE NUMBER 3
ALPHA AVERAGE ENERGY SUMUP FAILURE
WHOLE= 4.12800E+06 SUM= 4.29009E+06
```

---

dec-052\_Te\_107.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1622, MF= 8, MT=457
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6
```

---

dec-052\_Te\_108.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1623, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER 6
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER    7
```

---

dec-052\_Te\_109.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1624, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER 7
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER    8
```

---

dec-052\_Te\_110.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1625, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER    6
```

---

dec-052\_Te\_111.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1626, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER    5
```

---

dec-052\_Te\_112.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1627, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER    5
```

---

dec-052\_Te\_113.endf

---

- Passed All Checks!

---

dec-052\_Te\_114.endf

---

- Passed All Checks!

---

dec-052\_Te\_115.endf

---

- Passed All Checks!

---

dec-052\_Te\_115m1.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1631, MF= 8, MT=457  
E.C. AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 5.00200E+05 SUM= 5.89708E+05

---

dec-052\_Te\_116.endf

---

- Passed All Checks!

---

dec-052\_Te\_117.endf

---

- fizcon Errors:

1. Beta spectrum integral too small

ERROR(S) FOUND IN MAT=1633, MF= 8, MT=457  
FT VALUE TOO SMALL SEQUENCE NUMBER 53  
FT= 5.62707E+01 E= 1.24900E+06 I= 22 SEQUENCE NUMBER 53

---

dec-052\_Te\_117m1.endf

---

- Passed All Checks!

---

dec-052\_Te\_118.endf

---

- Passed All Checks!

---

dec-052\_Te\_119.endf

---

- Passed All Checks!

---

dec-052\_Te\_119m1.endf

---

- fizcon Errors:

1. Beta spectrum integral too small

ERROR(S) FOUND IN MAT=1637, MF= 8, MT=457  
FT VALUE TOO SMALL SEQUENCE NUMBER 116  
FT= 2.27651E+02 E= 1.18762E+06 I= 42 SEQUENCE NUMBER 116

---

dec-052\_Te\_120.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1638, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-052\_Te\_121.endf

---

- Passed All Checks!

---

dec-052\_Te\_121m1.endf

---

- Passed All Checks!

---

dec-052\_Te\_122.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1641, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-052\_Te\_123.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1642, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 5.27000E+04  SUM= 5.05009E+04      SEQUENCE NUMBER  1
```

---

dec-052\_Te\_123m1.endf

---

- Passed All Checks!

---

dec-052\_Te\_124.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.



```

ERROR(S) FOUND IN MAT=1644, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER  5

```

---

dec-052\_Te\_125.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1645, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER  5

```

---

dec-052\_Te\_125m1.endf

---

- Passed All Checks!

---

dec-052\_Te\_126.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1647, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER  5

```

---

dec-052\_Te\_127.endf

---

- Passed All Checks!

---

dec-052\_Te\_127m1.endf

---

- Passed All Checks!

---

dec-052\_Te\_128.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1650, MF= 8, MT=457
  T12 NOT IN RANGE 0.00000E+00 TO 1.00000E+24 SEQUENCE NUMBER  3
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER  5

```

\_\_\_\_\_dec-052\_Te\_129.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-052\_Te\_129m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-052\_Te\_130.endf\_\_\_\_\_

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1653, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

\_\_\_\_\_dec-052\_Te\_131.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-052\_Te\_131m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-052\_Te\_132.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-052\_Te\_133.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-052\_Te\_133m1.endf\_\_\_\_\_

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1658, MF= 8, MT=457
BETA MULTIPLICITY SUMUP FAILURE
WHOLE= 8.35000E-01  SUM= 6.56193E-01
```

\_\_\_\_\_dec-052\_Te\_134.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-052\_Te\_135.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-052\_Te\_136.endf\_\_\_\_\_

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1661, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.01579E+00 BEFORE SEQUENCE NUMBER 121
NEUTRON AVERAGE ENERGY SUMUP FAILURE
WHOLE= 3.81012E+03 SUM= 3.90326E+03
```

---

dec-052\_Te\_137.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1662, MF= 8, MT=457
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4
NORMALIZATION CHECK INTEGRAL= 1.00365E+00 BEFORE SEQUENCE NUMBER 327
TOTAL ENERGY RELEASE SUMUP FAILURE
...
```

---

dec-052\_Te\_138.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1663, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 5.93142E+06 SUM= 3.99187E+06 SEQUENCE NUMBER 1
GAMMA AVERAGE ENERGY SUMUP FAILURE
...
```

---

dec-052\_Te\_139.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1664, MF= 8, MT=457
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 8.04234E+06 SUM= 4.95571E+06 SEQUENCE NUMBER 1
...
```

---

dec-052\_Te\_140.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1665, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 6.92490E+06  SUM= 3.97468E+06      SEQUENCE NUMBER  1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-052\_Te\_141.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1666, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 9.14662E+06  SUM= 5.91143E+06      SEQUENCE NUMBER  1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-052\_Te\_142.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1667, MF= 8, MT=457
  DQ NOT IN RANGE 0.00000E+00 TO 5.52256E+05  SEQUENCE NUMBER  7
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 7.75087E+06  SUM= 4.28076E+06      SEQUENCE NUMBER  1
```

...

---

dec-053\_I\_108.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1668, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0      SEQUENCE NUMBER  4
  NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER  7
```

---

dec-053\_I\_109.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1669, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-053\_I\_110.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1670, MF= 8, MT=457  
7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 7  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 8

---

dec-053\_I\_111.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1671, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-053\_I\_112.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1672, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-053\_I\_113.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1673, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-053\_I\_114.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1674, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-053\_I\_114m1.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1675, MF= 8, MT=457  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-053\_I\_115.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1676, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-053\_I\_116.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1677, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-053\_I\_117.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1678, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-053\_I\_118.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1679, MF= 8, MT=457
E.C. AVERAGE ENERGY SUMUP FAILURE
WHOLE= 2.10619E+06 SUM= 1.95937E+06
```

\_\_\_\_\_dec-053\_I\_118m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-053\_I\_119.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-053\_I\_120.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-053\_I\_120m1.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1683, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER      5
```

\_\_\_\_\_dec-053\_I\_121.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-053\_I\_122.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-053\_I\_123.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-053\_I\_124.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-053\_I\_125.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-053\_I\_126.endf\_\_\_\_\_

- Passed All Checks!

---

dec-053\_I\_127.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1690, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER    5
```

---

dec-053\_I\_128.endf

---

- **fizcon** Errors:

1. Beta spectrum integral too small

```
ERROR(S) FOUND IN MAT=1691, MF= 8, MT=457
FT VALUE TOO SMALL      SEQUENCE NUMBER    44
      FT= 3.92303E+01  E= 1.25200E+06  I= 15      SEQUENCE NUMBER    44
```

---

dec-053\_I\_129.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1692, MF= 8, MT=457
BETA AVERAGE ENERGY SUMUP FAILURE
      WHOLE= 3.70000E+04  SUM= 4.14902E+04
```

---

dec-053\_I\_130.endf

---

- Passed All Checks!

---

dec-053\_I\_130m1.endf

---

- Passed All Checks!

---

dec-053\_I\_131.endf

---

- Passed All Checks!

---

dec-053\_I\_132.endf

---

- Passed All Checks!

---

dec-053\_I\_132m1.endf

---

- Passed All Checks!



---

dec-053\_I\_133.endf

---

- Passed All Checks!

---

dec-053\_I\_133m1.endf

---

- Passed All Checks!

---

dec-053\_I\_134.endf

---

- Passed All Checks!

---

dec-053\_I\_134m1.endf

---

- Passed All Checks!

---

dec-053\_I\_135.endf

---

- Passed All Checks!

---

dec-053\_I\_136.endf

---

- Passed All Checks!

---

dec-053\_I\_136m1.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1704, MF= 8, MT=457
  BETA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 2.61195E+06  SUM= 2.26033E+06
```

---

dec-053\_I\_137.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1705, MF= 8, MT=457
  NEUTRON AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 4.46076E+04  SUM= 4.52983E+04
```

---

dec-053\_I\_138.endf

---

- **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1706, MF= 8, MT=457
  NORMALIZATION CHECK INTEGRAL= 1.00947E+00 BEFORE SEQUENCE NUMBER 421
  NEUTRON AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 2.09685E+04  SUM= 2.14030E+04
```

---

dec-053\_I\_139.endf

---

• **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1707, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  NORMALIZATION CHECK INTEGRAL= 1.00763E+00 BEFORE SEQUENCE NUMBER 516
  TOTAL ENERGY RELEASE SUMUP FAILURE
```

...

---

dec-053\_I\_140.endf

---

• **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1708, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  NORMALIZATION CHECK INTEGRAL= 1.00622E+00 BEFORE SEQUENCE NUMBER 778
  TOTAL ENERGY RELEASE SUMUP FAILURE
```

...

---

dec-053\_I\_141.endf

---

• **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1709, MF= 8, MT=457
  NORMALIZATION CHECK INTEGRAL= 1.00632E+00 BEFORE SEQUENCE NUMBER 700
  TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 7.20029E+06  SUM= 4.73599E+06          SEQUENCE NUMBER    1
```

...

---

dec-053\_I\_142.endf

---

• **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1710, MF= 8, MT=457
  NORMALIZATION CHECK INTEGRAL= 1.00631E+00 BEFORE SEQUENCE NUMBER 749
  TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 7.52837E+06  SUM= 4.84854E+06          SEQUENCE NUMBER    1
```

...

---

dec-053\_I\_143.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1711, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00165E+00 BEFORE SEQUENCE NUMBER 756
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 6.32324E+06 SUM= 3.39122E+06 SEQUENCE NUMBER 1
...
```

---

dec-053\_I\_144.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1712, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 9.35155E+06 SUM= 5.47502E+06 SEQUENCE NUMBER 1
GAMMA AVERAGE ENERGY SUMUP FAILURE
...
```

---

dec-053\_I\_145.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1713, MF= 8, MT=457
E(MAXIMUM) > Q E= 9.88000E+06 Q= 1.05480E+04 SEQUENCE NUMBER 10
E(MAXIMUM) > Q E= 9.93000E+06 Q= 1.05480E+04 SEQUENCE NUMBER 344
NORMALIZATION CHECK INTEGRAL= 1.00115E+00 BEFORE SEQUENCE NUMBER 921
...
```

---

dec-054\_Xe\_110.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1714, MF= 8, MT=457
7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 6
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7
```

---

dec-054\_Xe\_111.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1715, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    6

```

---

dec-054\_Xe\_112.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1716, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    6

```

---

dec-054\_Xe\_113.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1717, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID    NEAR SEQUENCE NUMBER    7
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    8

```

---

dec-054\_Xe\_114.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1718, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5

```

---

dec-054\_Xe\_115.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1719, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID    NEAR SEQUENCE NUMBER    6
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    7

```

---

dec-054\_Xe\_116.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1720, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-054\_Xe\_117.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1721, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID    NEAR SEQUENCE NUMBER 6
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

---

dec-054\_Xe\_118.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1722, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-054\_Xe\_119.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1723, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-054\_Xe\_120.endf

---

- Passed All Checks!

---

dec-054\_Xe\_121.endf

---

- Passed All Checks!

---

dec-054\_Xe\_122.endf

---

- Passed All Checks!

---

dec-054\_Xe\_123.endf

---

- Passed All Checks!

---

dec-054\_Xe\_124.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1728, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-054\_Xe\_125.endf

---

- Passed All Checks!

---

dec-054\_Xe\_125m1.endf

---

- Passed All Checks!

---

dec-054\_Xe\_126.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1731, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-054\_Xe\_127.endf

---

- Passed All Checks!

---

dec-054\_Xe\_127m1.endf

---

- Passed All Checks!

---

dec-054\_Xe\_128.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1734, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER 5
```

---

dec-054\_Xe\_129.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1735, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER 5
```

---

dec-054\_Xe\_129m1.endf

---

- Passed All Checks!

---

dec-054\_Xe\_130.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1737, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER 5
```

---

dec-054\_Xe\_131.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1738, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER 5
```

---

dec-054\_Xe\_131m1.endf

---

- Passed All Checks!

\_\_\_\_\_dec-054\_Xe\_132.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1740, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5
```

\_\_\_\_\_dec-054\_Xe\_132m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-054\_Xe\_133.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-054\_Xe\_133m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-054\_Xe\_134.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1744, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5
```

\_\_\_\_\_dec-054\_Xe\_134m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-054\_Xe\_135.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-054\_Xe\_135m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-054\_Xe\_136.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.



ERROR(S) FOUND IN MAT=1748, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 5

---

dec-054\_Xe\_137.endf

---

- Passed All Checks!

---

dec-054\_Xe\_138.endf

---

- Passed All Checks!

---

dec-054\_Xe\_139.endf

---

- Passed All Checks!

---

dec-054\_Xe\_140.endf

---

- Passed All Checks!

---

dec-054\_Xe\_141.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

ERROR(S) FOUND IN MAT=1753, MF= 8, MT=457  
NORMALIZATION CHECK INTEGRAL= 1.01676E+00 BEFORE SEQUENCE NUMBER 649  
NEUTRON AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 5.09257E+01 SUM= 5.35365E+01

---

dec-054\_Xe\_142.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

ERROR(S) FOUND IN MAT=1754, MF= 8, MT=457  
NORMALIZATION CHECK INTEGRAL= 1.01232E+00 BEFORE SEQUENCE NUMBER 406  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 5.28709E+06 SUM= 2.90150E+06 SEQUENCE NUMBER 1  
...

---

dec-054\_Xe\_143.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1755, MF= 8, MT=457  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 7.44465E+06 SUM= 4.85819E+06 SEQUENCE NUMBER 1

...

---

dec-054\_Xe\_144.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1756, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 6.37165E+06 SUM= 3.53571E+06 SEQUENCE NUMBER 1  
GAMMA AVERAGE ENERGY SUMUP FAILURE

...

---

dec-054\_Xe\_145.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1757, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 8.41888E+06 SUM= 5.37563E+06 SEQUENCE NUMBER 1  
GAMMA AVERAGE ENERGY SUMUP FAILURE

...

---

dec-054\_Xe\_146.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1758, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 7.52902E+06 SUM= 4.15474E+06 SEQUENCE NUMBER 1  
GAMMA AVERAGE ENERGY SUMUP FAILURE

...

---

dec-054\_Xe\_147.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=1759, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 9.12440E+06  SUM= 5.17316E+06        SEQUENCE NUMBER    1

```

...

---

dec-055\_Cs\_112.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1760, MF= 8, MT=457
  NEGATIVE SPIN NOT ALLOWED                      SEQUENCE NUMBER    4
  SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL       SEQUENCE NUMBER    4
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  NO DECAY SPECTRA GIVEN                         SEQUENCE NUMBER    5

```

---

dec-055\_Cs\_113.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1761, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN                         SEQUENCE NUMBER    5

```

---

dec-055\_Cs\_114.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1762, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID            NEAR SEQUENCE NUMBER 7
  NO DECAY SPECTRA GIVEN                         SEQUENCE NUMBER    8

```

---

dec-055\_Cs\_115.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1763, MF= 8, MT=457		
7 IN RTYPE = 2.70000E+00 IS INVALID	NEAR SEQUENCE NUMBER	6
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	6

---

dec-055\_Cs\_116.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1764, MF= 8, MT=457		
7 IN RTYPE = 2.70000E+00 IS INVALID	NEAR SEQUENCE NUMBER	7
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	7

---

dec-055\_Cs\_116m1.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1765, MF= 8, MT=457		
NEGATIVE SPIN NOT ALLOWED	SEQUENCE NUMBER	4
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL	SEQUENCE NUMBER	4
PARITY= 0.00000E+00 NOT +1.0 OR -1.0	SEQUENCE NUMBER	4
7 IN RTYPE = 2.70000E+00 IS INVALID	NEAR SEQUENCE NUMBER	7
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	7

---

dec-055\_Cs\_117.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1766, MF= 8, MT=457		
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	5

---

dec-055\_Cs\_117m1.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1767, MF= 8, MT=457		
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	5

---

dec-055\_Cs\_118.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1768, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  7 IN RTYPE = 2.70000E+00 IS INVALID          NEAR SEQUENCE NUMBER  7
  NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER    7
```

---

dec-055\_Cs\_118m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1769, MF= 8, MT=457
  NEGATIVE SPIN NOT ALLOWED                    SEQUENCE NUMBER    4
  SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL    SEQUENCE NUMBER    4
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0       SEQUENCE NUMBER    4
  7 IN RTYPE = 2.70000E+00 IS INVALID          NEAR SEQUENCE NUMBER  7
  NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER    7
```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=1769, MF= 1, MT=451
  ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER  2
```

---

dec-055\_Cs\_119.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1770, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER    5
```

---

dec-055\_Cs\_119m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1771, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=1771, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-055\_Cs\_120.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1772, MF= 8, MT=457  
7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 7  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-055\_Cs\_120m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1773, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=1773, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-055\_Cs\_121.endf

---

- Passed All Checks!

---

dec-055\_Cs\_121m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1775, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-055\_Cs\_122.endf

---

- Passed All Checks!

---

dec-055\_Cs\_122m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1777, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-055\_Cs\_122m2.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1778, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-055\_Cs\_123.endf

---

- Passed All Checks!

---

dec-055\_Cs\_123m1.endf

---

- Passed All Checks!

---

dec-055\_Cs\_124.endf

---

- Passed All Checks!

---

dec-055\_Cs\_124m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1782, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-055\_Cs\_125.endf

---

- Passed All Checks!

---

dec-055\_Cs\_125m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1784, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 5

\_\_\_\_\_dec-055\_Cs\_126.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-055\_Cs\_127.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-055\_Cs\_128.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-055\_Cs\_129.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-055\_Cs\_130.endf\_\_\_\_\_

- **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1789, MF= 8, MT=457  
BETA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 2.10560E+03 SUM= 1.72632E+03

\_\_\_\_\_dec-055\_Cs\_130m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-055\_Cs\_131.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-055\_Cs\_132.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-055\_Cs\_133.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.



ERROR(S) FOUND IN MAT=1793, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-055\_Cs\_134.endf

- Passed All Checks!

---

dec-055\_Cs\_134m1.endf

- Passed All Checks!

---

dec-055\_Cs\_135.endf

- Passed All Checks!

---

dec-055\_Cs\_135m1.endf

- Passed All Checks!

---

dec-055\_Cs\_136.endf

- Passed All Checks!

---

dec-055\_Cs\_136m1.endf

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1799, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-055\_Cs\_137.endf

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1800, MF= 8, MT=457  
BETA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 1.79446E+05 SUM= 1.86653E+05

---

dec-055\_Cs\_138.endf

- Passed All Checks!

---

dec-055\_Cs\_138m1.endf

- Passed All Checks!

---

dec-055\_Cs\_139.endf

---

- Passed All Checks!

---

dec-055\_Cs\_140.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1804, MF= 8, MT=457
  GAMMA ENERGY (GE) SUMUP FAILURE
    WHOLE= 1.86442E+06  SUM= 1.79612E+06          SEQUENCE NUMBER    3
```

---

dec-055\_Cs\_141.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1805, MF= 8, MT=457
  NORMALIZATION CHECK INTEGRAL= 1.01424E+00 BEFORE SEQUENCE NUMBER  575
  E(MAXIMUM) > Q  E= 7.30000E+05  Q= 7.18650E+05  SEQUENCE NUMBER  549
  BETA ENERGY (BE) SUMUP FAILURE
  ...
```

---

dec-055\_Cs\_142.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1806, MF= 8, MT=457
  NORMALIZATION CHECK INTEGRAL= 1.00462E+00 BEFORE SEQUENCE NUMBER  324
  NEUTRON AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 2.32502E+02  SUM= 2.38696E+02
```

---

dec-055\_Cs\_143.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1807, MF= 8, MT=457
  NEUTRON AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 4.20529E+03  SUM= 4.31776E+03
```

---

dec-055\_Cs\_144.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1808, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 8.31701E+06  SUM= 6.29392E+06          SEQUENCE NUMBER    1
```

...

---

dec-055\_Cs\_144m1.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1809, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN                          SEQUENCE NUMBER    5
```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=1809, MF= 1, MT=451
  ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE  SEQUENCE NUMBER    2
```

---

dec-055\_Cs\_145.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1810, MF= 8, MT=457
  NORMALIZATION CHECK INTEGRAL= 1.00228E+00 BEFORE SEQUENCE NUMBER  441
  NEUTRON AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 4.94651E+04  SUM= 5.05519E+04
```

---

dec-055\_Cs\_146.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1811, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 8.59111E+06  SUM= 6.13449E+06          SEQUENCE NUMBER    1
```

...

---

dec-055\_Cs\_147.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1812, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  NORMALIZATION CHECK INTEGRAL= 1.00232E+00 BEFORE SEQUENCE NUMBER 679
  TOTAL ENERGY RELEASE SUMUP FAILURE
```

...

---

dec-055\_Cs\_148.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1813, MF= 8, MT=457
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 9.11792E+06  SUM= 5.76679E+06          SEQUENCE NUMBER    1
  GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-055\_Cs\_149.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1814, MF= 8, MT=457
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 6.81322E+06  SUM= 3.90122E+06          SEQUENCE NUMBER    1
  GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-055\_Cs\_150.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1815, MF= 8, MT=457
  NORMALIZATION CHECK INTEGRAL= 1.00216E+00 BEFORE SEQUENCE NUMBER 984
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 6.95547E+06  SUM= 3.85850E+06          SEQUENCE NUMBER    1
```

...

---

dec-055\_Cs\_151.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1816, MF= 8, MT=457
  E(MAXIMUM) > Q  E= 1.05100E+07  Q= 7.21400E+06  SEQUENCE NUMBER  720
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 7.67488E+06  SUM= 4.32024E+06          SEQUENCE NUMBER  1
```

...

---

dec-056\_Ba\_114.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1817, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID          NEAR SEQUENCE NUMBER  5
  NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER      7
```

---

dec-056\_Ba\_115.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1818, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID          NEAR SEQUENCE NUMBER  5
  NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER      6
```

---

dec-056\_Ba\_116.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1819, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID          NEAR SEQUENCE NUMBER  6
  NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER      6
```

---

dec-056\_Ba\_117.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1820, MF= 8, MT=457		
PARITY= 0.00000E+00 NOT +1.0 OR -1.0	SEQUENCE NUMBER	4
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	5

---

dec-056\_Ba\_118.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1821, MF= 8, MT=457		
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	5

---

dec-056\_Ba\_119.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1822, MF= 8, MT=457		
7 IN RTYPE = 2.70000E+00 IS INVALID	NEAR SEQUENCE NUMBER	6
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	6

---

dec-056\_Ba\_120.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1823, MF= 8, MT=457		
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	5

---

dec-056\_Ba\_121.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1824, MF= 8, MT=457		
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	5

---

dec-056\_Ba\_122.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1825, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-056\_Ba\_123.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1826, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-056\_Ba\_124.endf

---

- fizcon Errors:

1. Beta spectrum integral too small

ERROR(S) FOUND IN MAT=1827, MF= 8, MT=457  
FT VALUE TOO SMALL SEQUENCE NUMBER 412  
FT= 1.20211E+02 E= 1.39743E+06 I= 187 SEQUENCE NUMBER 412  
FT VALUE TOO SMALL SEQUENCE NUMBER 414  
FT= 1.16421E+02 E= 1.42538E+06 I= 188 SEQUENCE NUMBER 414

---

dec-056\_Ba\_125.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1828, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-056\_Ba\_126.endf

---

- Passed All Checks!

---

dec-056\_Ba\_127.endf

---

- Passed All Checks!

---

dec-056\_Ba\_127m1.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1831, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-056\_Ba\_128.endf

---

- Passed All Checks!

---

dec-056\_Ba\_129.endf

---

- Passed All Checks!

---

dec-056\_Ba\_129m1.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1834, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-056\_Ba\_130.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1835, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00           SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-056\_Ba\_130m1.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1836, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-056\_Ba\_131.endf

---

- Passed All Checks!



---

dec-056\_Ba\_131m1.endf

---

- Passed All Checks!

---

dec-056\_Ba\_132.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1839, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5
```

---

dec-056\_Ba\_133.endf

---

- Passed All Checks!

---

dec-056\_Ba\_133m1.endf

---

- Passed All Checks!

---

dec-056\_Ba\_134.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1842, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5
```

---

dec-056\_Ba\_135.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1843, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5
```

---

dec-056\_Ba\_135m1.endf

---

- Passed All Checks!

---

dec-056\_Ba\_136.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1845, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-056\_Ba\_136m1.endf

---

- Passed All Checks!

---

dec-056\_Ba\_137.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1847, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-056\_Ba\_137m1.endf

---

- Passed All Checks!

---

dec-056\_Ba\_138.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1849, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-056\_Ba\_139.endf

---

- Passed All Checks!

---

dec-056\_Ba\_140.endf

---

- Passed All Checks!

---

dec-056\_Ba\_141.endf

---

- Passed All Checks!

---

dec-056\_Ba\_142.endf

---

- Passed All Checks!

---

dec-056\_Ba\_143.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1854, MF= 8, MT=457
  GAMMA ENERGY (GE) SUMUP FAILURE
    WHOLE= 1.34259E+06  SUM= 1.13540E+06          SEQUENCE NUMBER    3
```

---

dec-056\_Ba\_144.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1855, MF= 8, MT=457
  NORMALIZATION CHECK INTEGRAL= 1.00139E+00 BEFORE SEQUENCE NUMBER  219
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 3.06641E+06  SUM= 1.59942E+06          SEQUENCE NUMBER    1
  ...
```

---

dec-056\_Ba\_145.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1856, MF= 8, MT=457
  BETA ENERGY (BE) SUMUP FAILURE
    WHOLE= 1.45839E+06  SUM= 1.30702E+06          SEQUENCE NUMBER    3
  GAMMA ENERGY (GE) SUMUP FAILURE
    WHOLE= 1.83098E+06  SUM= 2.04733E+06          SEQUENCE NUMBER    3
```

---

dec-056\_Ba\_146.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1857, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 4.10840E+06 SUM= 2.19958E+06 SEQUENCE NUMBER 1  
GAMMA AVERAGE ENERGY SUMUP FAILURE

...

---

dec-056\_Ba\_147.endif

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

ERROR(S) FOUND IN MAT=1858, MF= 8, MT=457  
NORMALIZATION CHECK INTEGRAL= 1.02642E+00 BEFORE SEQUENCE NUMBER 369  
NEUTRON AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 2.39320E+01 SUM= 2.71780E+01

---

dec-056\_Ba\_148.endif

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1859, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 5.09859E+06 SUM= 2.79432E+06 SEQUENCE NUMBER 1  
GAMMA AVERAGE ENERGY SUMUP FAILURE

...

---

dec-056\_Ba\_149.endif

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

ERROR(S) FOUND IN MAT=1860, MF= 8, MT=457  
NORMALIZATION CHECK INTEGRAL= 1.00841E+00 BEFORE SEQUENCE NUMBER 539  
E(MAXIMUM) > Q E= 1.47000E+06 Q= 1.46800E+06 SEQUENCE NUMBER 488  
TOTAL ENERGY RELEASE SUMUP FAILURE

...

---

dec-056\_Ba\_150.endif

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1861, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00253E+00 BEFORE SEQUENCE NUMBER 493
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 6.15997E+06 SUM= 3.59163E+06 SEQUENCE NUMBER 1
```

...

---

dec-056\_Ba\_151.endf

---

• **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1862, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.01864E+00 BEFORE SEQUENCE NUMBER 672
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 8.13734E+06 SUM= 5.37453E+06 SEQUENCE NUMBER 1
```

...

---

dec-056\_Ba\_152.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1863, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 7.17158E+06 SUM= 4.13890E+06 SEQUENCE NUMBER 1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-056\_Ba\_153.endf

---

• **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1864, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00178E+00 BEFORE SEQUENCE NUMBER 785
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 9.23401E+06 SUM= 5.49084E+06 SEQUENCE NUMBER 1
```

...

---

dec-057\_La\_117.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1865, MF= 8, MT=457		
NEGATIVE SPIN NOT ALLOWED	SEQUENCE NUMBER	4
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL	SEQUENCE NUMBER	4
PARITY= 0.00000E+00 NOT +1.0 OR -1.0	SEQUENCE NUMBER	4
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	6

---

dec-057\_La\_117m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1866, MF= 8, MT=457		
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	6

---

dec-057\_La\_118.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1867, MF= 8, MT=457		
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	5

---

dec-057\_La\_119.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1868, MF= 8, MT=457		
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	5

---

dec-057\_La\_120.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1869, MF= 8, MT=457		
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	5

---

dec-057\_La\_121.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1870, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-057\_La\_122.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1871, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-057\_La\_123.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1872, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-057\_La\_124.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1873, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-057\_La\_124m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1874, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=1874, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-057\_La\_125.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1875, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-057\_La\_125m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1876, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-057\_La\_126.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1877, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-057\_La\_126m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1878, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=1878, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2



---

dec-057\_La\_127.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1879, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-057\_La\_127m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1880, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-057\_La\_128.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1881, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-057\_La\_128m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1882, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=1882, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-057\_La\_129.endf

---

- Passed All Checks!

---

dec-057\_La\_129m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1884, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-057\_La\_130.endf

---

- Passed All Checks!

---

dec-057\_La\_131.endf

---

- Passed All Checks!

---

dec-057\_La\_132.endf

---

- Passed All Checks!

---

dec-057\_La\_132m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1888, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-057\_La\_133.endf

---

- Passed All Checks!

---

dec-057\_La\_134.endf

---

- Passed All Checks!

---

dec-057\_La\_135.endf

---

- **fizcon** Errors:

1. Beta spectrum integral too small

ERROR(S) FOUND IN MAT=1891, MF= 8, MT=457  
FT VALUE TOO SMALL SEQUENCE NUMBER 78  
FT= 3.21527E+01 E= 1.20000E+06 I= 29 SEQUENCE NUMBER 78

---

dec-057\_La\_136.endf

---

- Passed All Checks!

---

dec-057\_La\_136m1.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1893, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
  
```

---

dec-057\_La\_137.endf

---

- Passed All Checks!

---

dec-057\_La\_138.endf

---

- Passed All Checks!

---

dec-057\_La\_139.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1896, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00    SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
  
```

---

dec-057\_La\_140.endf

---

- Passed All Checks!

---

dec-057\_La\_141.endf

---

- Passed All Checks!

---

dec-057\_La\_142.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=1899, MF= 8, MT=457
RICK MUST BE GREATER THAN OR EQUAL TO RICK + RICLSEQUENCE NUMBER 151
BETA ENERGY (BE) SUMUP FAILURE
  WHOLE= 9.54360E+05  SUM= 8.68226E+05    SEQUENCE NUMBER    3
GAMMA ENERGY (GE) SUMUP FAILURE
  WHOLE= 2.11742E+06  SUM= 2.36802E+06    SEQUENCE NUMBER    3
  
```

---

dec-057\_La\_143.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1900, MF= 8, MT=457
  GAMMA ENERGY (GE) SUMUP FAILURE
    WHOLE= 4.23769E+05  SUM= 2.63047E+05          SEQUENCE NUMBER    3
```

---

dec-057\_La\_144.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1901, MF= 8, MT=457
  BETA ENERGY (BE) SUMUP FAILURE
    WHOLE= 1.02057E+06  SUM= 1.35577E+06          SEQUENCE NUMBER    3
  GAMMA ENERGY (GE) SUMUP FAILURE
    WHOLE= 3.15832E+06  SUM= 2.32987E+06          SEQUENCE NUMBER    3
```

---

dec-057\_La\_145.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1902, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 4.26057E+06  SUM= 2.03209E+06          SEQUENCE NUMBER    1
  ...
```

---

dec-057\_La\_146.endf

---

- Passed All Checks!

---

dec-057\_La\_146m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1904, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN                          SEQUENCE NUMBER    5
```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=1904, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-057\_La\_147.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

ERROR(S) FOUND IN MAT=1905, MF= 8, MT=457  
NORMALIZATION CHECK INTEGRAL= 1.00258E+00 BEFORE SEQUENCE NUMBER 233  
NEUTRON AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 3.94370E+01 SUM= 4.17778E+01

---

dec-057\_La\_148.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

ERROR(S) FOUND IN MAT=1906, MF= 8, MT=457  
NORMALIZATION CHECK INTEGRAL= 1.04713E+00 BEFORE SEQUENCE NUMBER 196  
NEUTRON AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 7.82987E+01 SUM= 8.66547E+01

---

dec-057\_La\_149.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1907, MF= 8, MT=457  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 6.38790E+06 SUM= 4.33426E+06 SEQUENCE NUMBER 1  
...

---

dec-057\_La\_150.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1908, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 8.12925E+06 SUM= 5.45631E+06 SEQUENCE NUMBER 1  
GAMMA AVERAGE ENERGY SUMUP FAILURE  
...

---

dec-057\_La\_151.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1909, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 7.09217E+06  SUM= 4.94668E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-057\_La\_152.endf

---

• **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1910, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00183E+00 BEFORE SEQUENCE NUMBER  691
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 9.09384E+06  SUM= 6.71348E+06          SEQUENCE NUMBER    1
```

...

---

dec-057\_La\_153.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1911, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 6.52163E+06  SUM= 3.82623E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-057\_La\_154.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1912, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 9.60221E+06  SUM= 6.13988E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-057\_La\_155.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1913, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 7.81640E+06  SUM= 4.65059E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
...
```

---

dec-058\_Ce\_119.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1914, MF= 8, MT=457
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-058\_Ce\_120.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1915, MF= 8, MT=457
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-058\_Ce\_121.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1916, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID    NEAR SEQUENCE NUMBER    6
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    6
```

---

dec-058\_Ce\_122.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1917, MF= 8, MT=457  
7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 6  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-058\_Ce\_123.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1918, MF= 8, MT=457  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-058\_Ce\_124.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1919, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-058\_Ce\_125.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1920, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-058\_Ce\_126.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1921, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-058\_Ce\_127.endf

---

• fizcon Non-errors:



1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1922, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-058\_Ce\_127m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1923, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-058\_Ce\_128.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1924, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-058\_Ce\_129.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1925, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-058\_Ce\_130.endf

---

- Passed All Checks!

---

dec-058\_Ce\_131.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1927, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

\_\_\_\_\_dec-058\_Ce\_131m1.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1928, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

\_\_\_\_\_dec-058\_Ce\_132.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-058\_Ce\_132m1.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1930, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

\_\_\_\_\_dec-058\_Ce\_133.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-058\_Ce\_133m1.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1932, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

\_\_\_\_\_dec-058\_Ce\_134.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-058\_Ce\_135.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-058\_Ce\_135m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-058\_Ce\_136.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1936, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER  5
```

---

dec-058\_Ce\_137.endf

---

- **fizcon** Errors:

1. Beta spectrum integral too small

```
ERROR(S) FOUND IN MAT=1937, MF= 8, MT=457
FT VALUE TOO SMALL      SEQUENCE NUMBER  71
  FT= 1.96680E+01  E= 1.21151E+06  I=  28      SEQUENCE NUMBER  71
```

---

dec-058\_Ce\_137m1.endf

---

- Passed All Checks!

---

dec-058\_Ce\_138.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1939, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER  5
```

---

dec-058\_Ce\_138m1.endf

---

- Passed All Checks!

---

dec-058\_Ce\_139.endf

---

- Passed All Checks!

---

dec-058\_Ce\_139m1.endf

---

- Passed All Checks!

---

dec-058\_Ce\_140.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1943, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5

```

---

dec-058\_Ce\_141.endf

---

- Passed All Checks!

---

dec-058\_Ce\_142.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1945, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5

```

---

dec-058\_Ce\_143.endf

---

- Passed All Checks!

---

dec-058\_Ce\_144.endf

---

- Passed All Checks!

---

dec-058\_Ce\_145.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=1948, MF= 8, MT=457
GAMMA ENERGY (GE) SUMUP FAILURE
  WHOLE= 8.84505E+05  SUM= 7.99865E+05      SEQUENCE NUMBER    3

```

---

dec-058\_Ce\_146.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=1949, MF= 8, MT=457
BETA ENERGY (BE) SUMUP FAILURE
  WHOLE= 2.19934E+05  SUM= 2.64642E+05      SEQUENCE NUMBER    3
GAMMA ENERGY (GE) SUMUP FAILURE
  WHOLE= 3.52800E+05  SUM= 3.18398E+05      SEQUENCE NUMBER    3

```

---

dec-058\_Ce\_147.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1950, MF= 8, MT=457
  BETA ENERGY (BE) SUMUP FAILURE
    WHOLE= 7.48830E+05  SUM= 1.15437E+06          SEQUENCE NUMBER    3
  GAMMA ENERGY (GE) SUMUP FAILURE
    WHOLE= 1.49671E+06  SUM= 5.98431E+05          SEQUENCE NUMBER    3
```

---

dec-058\_Ce\_148.endf

---

• **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1951, MF= 8, MT=457
  E(MAXIMUM) > Q  E= 2.14000E+06  Q= 2.13680E+06  SEQUENCE NUMBER    8
  NORMALIZATION CHECK INTEGRAL= 1.00319E+00 BEFORE SEQUENCE NUMBER 157
  E(MAXIMUM) > Q  E= 2.14000E+06  Q= 2.13680E+06  SEQUENCE NUMBER    84
  ...
```

---

dec-058\_Ce\_149.endf

---

• **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1952, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  NORMALIZATION CHECK INTEGRAL= 1.00231E+00 BEFORE SEQUENCE NUMBER 253
  TOTAL ENERGY RELEASE SUMUP FAILURE
  ...
```

---

dec-058\_Ce\_150.endf

---

• **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1953, MF= 8, MT=457
  NORMALIZATION CHECK INTEGRAL= 1.00123E+00 BEFORE SEQUENCE NUMBER 235
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 3.45021E+06  SUM= 1.90985E+06          SEQUENCE NUMBER    1
  ...
```

---

dec-058\_Ce\_151.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1954, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 5.55541E+06  SUM= 2.99711E+06        SEQUENCE NUMBER    1
  ...
```

---

dec-058\_Ce\_152.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1955, MF= 8, MT=457
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 4.45000E+06  SUM= 2.64129E+06        SEQUENCE NUMBER    1
  GAMMA AVERAGE ENERGY SUMUP FAILURE
  ...
```

---

dec-058\_Ce\_153.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1956, MF= 8, MT=457
  E(MAXIMUM) > Q  E= 4.60000E+05  Q= 4.58000E+05  SEQUENCE NUMBER  399
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 6.35251E+06  SUM= 4.46227E+06        SEQUENCE NUMBER    1
  ...
```

---

dec-058\_Ce\_154.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1957, MF= 8, MT=457
  E(MAXIMUM) > Q  E= 7.80000E+05  Q= 7.78000E+05  SEQUENCE NUMBER  382
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 5.46233E+06  SUM= 3.14477E+06        SEQUENCE NUMBER    1
  ...
```

---

dec-058\_Ce\_155.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1958, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 7.51951E+06  SUM= 4.33819E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-058\_Ce\_156.endf

---

- **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=1959, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.01576E+00 BEFORE SEQUENCE NUMBER    538
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 6.54960E+06  SUM= 3.71802E+06          SEQUENCE NUMBER    1
```

...

---

dec-058\_Ce\_157.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1960, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 8.43176E+06  SUM= 5.40243E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-059\_Pr\_121.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1961, MF= 8, MT=457
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-059\_Pr\_122.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1962, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-059\_Pr\_123.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1963, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-059\_Pr\_124.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1964, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-059\_Pr\_125.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1965, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-059\_Pr\_126.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1966, MF= 8, MT=457  
NEGATIVE SPIN NOT ALLOWED SEQUENCE NUMBER 4  
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL SEQUENCE NUMBER 4  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-059\_Pr\_127.endf

---

• **fizcon** Non-errors:



1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1967, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5

```

---

dec-059\_Pr\_128.endf

---

- **fizcon** Errors:

1. Beta spectrum integral too small

```

ERROR(S) FOUND IN MAT=1968, MF= 8, MT=457
FT VALUE TOO SMALL                                SEQUENCE NUMBER 60
FT= 1.47838E+05 E= 8.99300E+06 I= 23             SEQUENCE NUMBER 60

```

---

dec-059\_Pr\_129.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1969, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5

```

---

dec-059\_Pr\_130.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1970, MF= 8, MT=457
NEGATIVE SPIN NOT ALLOWED                          SEQUENCE NUMBER 4
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL           SEQUENCE NUMBER 4
PARITY= 0.00000E+00 NOT +1.0 OR -1.0              SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5

```

---

dec-059\_Pr\_131.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=1971, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5

```

---

dec-059\_Pr\_131m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1972, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-059\_Pr\_132.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1973, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-059\_Pr\_133.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1974, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-059\_Pr\_134.endf

---

- Passed All Checks!

---

dec-059\_Pr\_134m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1976, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=1976, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-059\_Pr\_135.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1977, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5
```

---

dec-059\_Pr\_136.endf

---

- Passed All Checks!

---

dec-059\_Pr\_137.endf

---

- Passed All Checks!

---

dec-059\_Pr\_138.endf

---

- Passed All Checks!

---

dec-059\_Pr\_138m1.endf

---

- Passed All Checks!

---

dec-059\_Pr\_139.endf

---

- Passed All Checks!

---

dec-059\_Pr\_140.endf

---

- Passed All Checks!

---

dec-059\_Pr\_141.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=1984, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
WHOLE= 1.00000E+00 SUM= 0.00000E+00           SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5
```

---

dec-059\_Pr\_142.endf

---

- Passed All Checks!

---

dec-059\_Pr\_142m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=1986, MF= 8, MT=457  
 NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

\_\_\_\_\_dec-059\_Pr\_143.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-059\_Pr\_144.endf\_\_\_\_\_

- **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1988, MF= 8, MT=457  
 BETA AVERAGE ENERGY SUMUP FAILURE  
 WHOLE= 1.20848E+06 SUM= 1.20063E+06

\_\_\_\_\_dec-059\_Pr\_144m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-059\_Pr\_145.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-059\_Pr\_146.endf\_\_\_\_\_

- **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1991, MF= 8, MT=457  
 GAMMA ENERGY (GE) SUMUP FAILURE SEQUENCE NUMBER 3  
 WHOLE= 1.05502E+06 SUM= 9.87651E+05

\_\_\_\_\_dec-059\_Pr\_147.endf\_\_\_\_\_

- **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1992, MF= 8, MT=457  
 BETA ENERGY (BE) SUMUP FAILURE SEQUENCE NUMBER 3  
 WHOLE= 6.73341E+05 SUM= 7.54221E+05  
 GAMMA ENERGY (GE) SUMUP FAILURE SEQUENCE NUMBER 3  
 WHOLE= 9.29150E+05 SUM= 7.98180E+05

---

dec-059\_Pr\_148.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1993, MF= 8, MT=457  
BETA ENERGY (BE) SUMUP FAILURE  
WHOLE= 1.28001E+06 SUM= 1.65663E+06 SEQUENCE NUMBER 3  
GAMMA ENERGY (GE) SUMUP FAILURE  
WHOLE= 1.77660E+06 SUM= 9.37741E+05 SEQUENCE NUMBER 3

---

dec-059\_Pr\_148m1.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1994, MF= 8, MT=457  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
BETA ENERGY (BE) SUMUP FAILURE  
WHOLE= 1.05915E+06 SUM= 1.64612E+06 SEQUENCE NUMBER 3  
GAMMA ENERGY (GE) SUMUP FAILURE  
WHOLE= 2.33225E+06 SUM= 9.33709E+05 SEQUENCE NUMBER 3

---

dec-059\_Pr\_149.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=1995, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 3.33500E+06 SUM= 2.75891E+06 SEQUENCE NUMBER 1  
BETA ENERGY (BE) SUMUP FAILURE  
WHOLE= 7.79922E+05 SUM= 9.83859E+05 SEQUENCE NUMBER 3  
GAMMA ENERGY (GE) SUMUP FAILURE  
WHOLE= 1.33195E+06 SUM= 3.04763E+05 SEQUENCE NUMBER 3

---

dec-059\_Pr\_150.endf

---

• fizcon Errors:

1. Beta spectrum integral too small

ERROR(S) FOUND IN MAT=1996, MF= 8, MT=457  
FT VALUE TOO SMALL SEQUENCE NUMBER 108  
FT= 5.99476E+05 E= 3.39580E+06 I= 47 SEQUENCE NUMBER 108

---

dec-059\_Pr\_151.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1997, MF= 8, MT=457
  BETA ENERGY (BE) SUMUP FAILURE
    WHOLE= 1.13704E+06  SUM= 1.29499E+06      SEQUENCE NUMBER    3
  GAMMA ENERGY (GE) SUMUP FAILURE
    WHOLE= 1.36336E+06  SUM= 4.31422E+05      SEQUENCE NUMBER    3
```

---

dec-059\_Pr\_152.endf

---

• Passed All Checks!

---

dec-059\_Pr\_153.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=1999, MF= 8, MT=457
  E(MAXIMUM) > Q  E= 5.00000E+05  Q= 4.98760E+05  SEQUENCE NUMBER  402
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 5.76046E+06  SUM= 3.24089E+06      SEQUENCE NUMBER    1
  ...
```

---

dec-059\_Pr\_154.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2000, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0      SEQUENCE NUMBER    4
  E(MAXIMUM) > Q  E= 1.08000E+06  Q= 1.07596E+06  SEQUENCE NUMBER  475
  TOTAL ENERGY RELEASE SUMUP FAILURE
  ...
```

---

dec-059\_Pr\_155.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2001, MF= 8, MT=457
  E(MAXIMUM) > Q  E= 1.84000E+06  Q= 1.83600E+06  SEQUENCE NUMBER  464
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 6.67932E+06  SUM= 3.85627E+06      SEQUENCE NUMBER    1
  ...
```

---

dec-059\_Pr\_156.endf

---

• **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=2002, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.02930E+00 BEFORE SEQUENCE NUMBER 676
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 8.55291E+06 SUM= 5.59748E+06 SEQUENCE NUMBER 1
...
```

---

dec-059\_Pr\_157.endf

---

• **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=2003, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00127E+00 BEFORE SEQUENCE NUMBER 657
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 7.58928E+06 SUM= 4.42663E+06 SEQUENCE NUMBER 1
...
```

---

dec-059\_Pr\_158.endf

---

• **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=2004, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.01163E+00 BEFORE SEQUENCE NUMBER 798
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 8.77306E+06 SUM= 5.53774E+06 SEQUENCE NUMBER 1
...
```

---

dec-059\_Pr\_159.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2005, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 7.78509E+06 SUM= 4.37919E+06 SEQUENCE NUMBER 1
GAMMA AVERAGE ENERGY SUMUP FAILURE
...
```

---

dec-060\_Nd\_124.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2006, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-060\_Nd\_125.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2007, MF= 8, MT=457
PARITY= 0.00000E+00 NOT +1.0 OR -1.0                SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-060\_Nd\_126.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2008, MF= 8, MT=457
7 IN RTYPE = 2.70000E+00 IS INVALID                  NEAR SEQUENCE NUMBER 6
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 6
```

---

dec-060\_Nd\_127.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2009, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-060\_Nd\_128.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2010, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```



---

dec-060\_Nd\_129.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2011, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-060\_Nd\_130.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2012, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-060\_Nd\_131.endf

---

- Passed All Checks!

---

dec-060\_Nd\_132.endf

---

- Passed All Checks!

---

dec-060\_Nd\_133.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2015, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-060\_Nd\_133m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2016, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-060\_Nd\_134.endf

---

- Passed All Checks!

\_\_\_\_\_dec-060\_Nd\_135.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-060\_Nd\_135m1.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2019, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

\_\_\_\_\_dec-060\_Nd\_136.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-060\_Nd\_137.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-060\_Nd\_137m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-060\_Nd\_138.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-060\_Nd\_139.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-060\_Nd\_139m1.endf\_\_\_\_\_

- **fizcon** Errors:

1. Beta spectrum integral too small

```
ERROR(S) FOUND IN MAT=2025, MF= 8, MT=457
FT VALUE TOO SMALL                               SEQUENCE NUMBER    167
FT= 2.89402E+01 E= 1.20709E+06 I= 61           SEQUENCE NUMBER    167
E.C. AVERAGE ENERGY SUMUP FAILURE
WHOLE= 1.56543E+04 SUM= 5.46149E+03
```

\_\_\_\_\_dec-060\_Nd\_140.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-060\_Nd\_141.endf\_\_\_\_\_

- Passed All Checks!

---

dec-060\_Nd\_141m1.endf

---

- Passed All Checks!

---

dec-060\_Nd\_142.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2029, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-060\_Nd\_143.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2030, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-060\_Nd\_144.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2031, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 1.90363E+06  SUM= 1.85218E+06      SEQUENCE NUMBER  3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 1.85218E+06  SUM= 1.90517E+06
```

---

dec-060\_Nd\_145.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2032, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-060\_Nd\_146.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2033, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-060\_Nd\_147.endf

---

- Passed All Checks!

---

dec-060\_Nd\_148.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2035, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-060\_Nd\_149.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2036, MF= 8, MT=457
BETA ENERGY (BE) SUMUP FAILURE
  WHOLE= 4.60887E+05  SUM= 5.24960E+05      SEQUENCE NUMBER  3
GAMMA ENERGY (GE) SUMUP FAILURE
  WHOLE= 4.02037E+05  SUM= 3.83456E+05      SEQUENCE NUMBER  3
```

---

dec-060\_Nd\_150.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2037, MF= 8, MT=457
T12 NOT IN RANGE 0.00000E+00 TO 1.00000E+24 SEQUENCE NUMBER  3
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-060\_Nd\_151.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2038, MF= 8, MT=457
  BETA ENERGY (BE) SUMUP FAILURE
    WHOLE= 5.77359E+05  SUM= 6.09220E+05      SEQUENCE NUMBER    3
  GAMMA ENERGY (GE) SUMUP FAILURE
    WHOLE= 8.94671E+05  SUM= 8.51224E+05      SEQUENCE NUMBER    3
```

---

dec-060\_Nd\_152.endf

---

• Passed All Checks!

---

dec-060\_Nd\_153.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2040, MF= 8, MT=457
  GAMMA ENERGY (GE) SUMUP FAILURE
    WHOLE= 4.42851E+05  SUM= 2.65942E+05      SEQUENCE NUMBER    3
```

---

dec-060\_Nd\_154.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2041, MF= 8, MT=457
  BETA ENERGY (BE) SUMUP FAILURE
    WHOLE= 8.37246E+05  SUM= 9.47923E+05      SEQUENCE NUMBER    3
  GAMMA ENERGY (GE) SUMUP FAILURE
    WHOLE= 5.45995E+05  SUM= 4.57193E+05      SEQUENCE NUMBER    3
```

---

dec-060\_Nd\_155.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=2042, MF= 8, MT=457
  NORMALIZATION CHECK INTEGRAL= 1.00271E+00 BEFORE SEQUENCE NUMBER 272
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 4.50000E+06  SUM= 3.25189E+06      SEQUENCE NUMBER    1
```

...

---

dec-060\_Nd\_156.endf

---

• **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=2043, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00120E+00 BEFORE SEQUENCE NUMBER 259
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 3.69000E+06 SUM= 1.94711E+06 SEQUENCE NUMBER 1
...
```

---

dec-060\_Nd\_157.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2044, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 5.57300E+06 SUM= 3.11369E+06 SEQUENCE NUMBER 1
GAMMA AVERAGE ENERGY SUMUP FAILURE
...
```

---

dec-060\_Nd\_158.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2045, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 4.72600E+06 SUM= 2.55725E+06 SEQUENCE NUMBER 1
GAMMA AVERAGE ENERGY SUMUP FAILURE
...
```

---

dec-060\_Nd\_159.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2046, MF= 8, MT=457
E(MAXIMUM) > Q E= 8.40000E+05 Q= 8.37000E+05 SEQUENCE NUMBER 458
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 6.59701E+06 SUM= 4.29754E+06 SEQUENCE NUMBER 1
...
```

---

dec-060\_Nd\_160.endf

---

• **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=2047, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00751E+00 BEFORE SEQUENCE NUMBER 443
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 5.67925E+06 SUM= 3.19152E+06 SEQUENCE NUMBER 1
...
```

---

dec-060\_Nd\_161.endf

---

• **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=2048, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00798E+00 BEFORE SEQUENCE NUMBER 587
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 7.43086E+06 SUM= 4.88689E+06 SEQUENCE NUMBER 1
...
```

---

dec-061\_Pm\_126.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2049, MF= 8, MT=457
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5
```

---

dec-061\_Pm\_127.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2050, MF= 8, MT=457
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6
```

---

dec-061\_Pm\_128.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2051, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-061\_Pm\_129.endf

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2052, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-061\_Pm\_130.endf

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2053, MF= 8, MT=457  
NEGATIVE SPIN NOT ALLOWED SEQUENCE NUMBER 4  
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL SEQUENCE NUMBER 4  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-061\_Pm\_131.endf

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2054, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-061\_Pm\_132.endf

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2055, MF= 8, MT=457  
7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 6  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-061\_Pm\_133.endf



- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2056, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-061\_Pm\_133m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2057, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

---

dec-061\_Pm\_134.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2058, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 8.91000E+06  SUM= 9.04142E+06           SEQUENCE NUMBER    1
E.C. MULTIPLICITY SUMUP FAILURE
WHOLE= 1.00000E+00  SUM= 1.01500E+00
```

---

dec-061\_Pm\_134m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2059, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=2059, MF= 1, MT=451
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE     SEQUENCE NUMBER    2
```

---

dec-061\_Pm\_135.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2060, MF= 8, MT=457
NEGATIVE SPIN NOT ALLOWED                SEQUENCE NUMBER    4
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL SEQUENCE NUMBER    4
PARITY= 0.00000E+00 NOT +1.0 OR -1.0    SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                   SEQUENCE NUMBER    5
```

---

dec-061\_Pm\_135m1.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2061, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                   SEQUENCE NUMBER    5
```

---

dec-061\_Pm\_136.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2062, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                   SEQUENCE NUMBER    5
```

---

dec-061\_Pm\_136m1.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2063, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                   SEQUENCE NUMBER    5
```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=2063, MF= 1, MT=451
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER    2
```

---

dec-061\_Pm\_137.endf

---

- Passed All Checks!

---

dec-061\_Pm\_138.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2065, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-061\_Pm\_138m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2066, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-061\_Pm\_139.endf

---

- Passed All Checks!

---

dec-061\_Pm\_139m1.endf

---

- Passed All Checks!

---

dec-061\_Pm\_140.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2069, MF= 8, MT=457
E.C. AVERAGE ENERGY SUMUP FAILURE
WHOLE= 9.51139E+05  SUM= 8.21224E+05
```

---

dec-061\_Pm\_140m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2070, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=2070, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-061\_Pm\_141.endf

---

- Passed All Checks!

---

dec-061\_Pm\_142.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2072, MF= 8, MT=457  
E.C. MULTIPLICITY SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 1.00065E+00

---

dec-061\_Pm\_142m1.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2073, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-061\_Pm\_143.endf

---

- Passed All Checks!

---

dec-061\_Pm\_144.endf

---

- Passed All Checks!

---

dec-061\_Pm\_145.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2076, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 6.44502E-03 SUM= 6.27200E-03 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 6.27200E-03 SUM= 6.45016E-03

---

dec-061\_Pm\_146.endf

---

- Passed All Checks!

\_\_\_\_\_dec-061\_Pm\_147.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-061\_Pm\_148.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-061\_Pm\_148m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-061\_Pm\_149.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-061\_Pm\_150.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-061\_Pm\_151.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-061\_Pm\_152.endf\_\_\_\_\_

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2084, MF= 8, MT=457
  GAMMA ENERGY (GE) SUMUP FAILURE
    WHOLE= 3.18319E+05  SUM= 2.85529E+05          SEQUENCE NUMBER    3
```

\_\_\_\_\_dec-061\_Pm\_152m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-061\_Pm\_152m2.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2086, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  NO DECAY SPECTRA GIVEN                        SEQUENCE NUMBER    6
```

\_\_\_\_\_dec-061\_Pm\_153.endf\_\_\_\_\_

- **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2087, MF= 8, MT=457  
GAMMA ENERGY (GE) SUMUP FAILURE  
WHOLE= 1.21324E+05 SUM= 7.82846E+04 SEQUENCE NUMBER 3

---

dec-061\_Pm\_154.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2088, MF= 8, MT=457  
GAMMA ENERGY (GE) SUMUP FAILURE  
WHOLE= 1.87690E+06 SUM= 1.76920E+06 SEQUENCE NUMBER 3

---

dec-061\_Pm\_154m1.endf

---

• Passed All Checks!

---

dec-061\_Pm\_155.endf

---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

ERROR(S) FOUND IN MAT=2090, MF= 8, MT=457  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
NORMALIZATION CHECK INTEGRAL= 1.00166E+00 BEFORE SEQUENCE NUMBER 229  
TOTAL ENERGY RELEASE SUMUP FAILURE

...

---

dec-061\_Pm\_156.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2091, MF= 8, MT=457  
BETA ENERGY (BE) SUMUP FAILURE  
WHOLE= 1.19370E+06 SUM= 1.38997E+06 SEQUENCE NUMBER 3  
GAMMA ENERGY (GE) SUMUP FAILURE  
WHOLE= 2.20472E+06 SUM= 1.70587E+06 SEQUENCE NUMBER 3

---

dec-061\_Pm\_157.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2092, MF= 8, MT=457  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 4.36000E+06 SUM= 2.32865E+06 SEQUENCE NUMBER 1

...

---

dec-061\_Pm\_158.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2093, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 6.08000E+06 SUM= 3.77691E+06 SEQUENCE NUMBER 1  
GAMMA AVERAGE ENERGY SUMUP FAILURE

...

---

dec-061\_Pm\_159.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2094, MF= 8, MT=457  
E(MAXIMUM) > Q E= 3.20000E+05 Q= 3.17900E+05 SEQUENCE NUMBER 380  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 5.42999E+06 SUM= 2.93304E+06 SEQUENCE NUMBER 1

...

---

dec-061\_Pm\_160.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2095, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 7.30015E+06 SUM= 4.70075E+06 SEQUENCE NUMBER 1  
GAMMA AVERAGE ENERGY SUMUP FAILURE

...

---

dec-061\_Pm\_161.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=2096, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 6.30610E+06  SUM= 3.45097E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE

```

...

---

dec-061\_Pm\_162.endf

---

- **fizcon Errors:**

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=2097, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 8.40995E+06  SUM= 5.36442E+06          SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE

```

...

---

dec-061\_Pm\_163.endf

---

- **fizcon Non-errors:**

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2098, MF= 8, MT=457
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5

```

---

dec-062\_Sm\_128.endf

---

- **fizcon Non-errors:**

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2099, MF= 8, MT=457
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5

```

---

dec-062\_Sm\_129.endf

---

- **fizcon Non-errors:**

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2100, MF= 8, MT=457
NEGATIVE SPIN NOT ALLOWED          SEQUENCE NUMBER    4
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL  SEQUENCE NUMBER    4
PARITY= 0.00000E+00 NOT +1.0 OR -1.0     SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5

```



---

dec-062\_Sm\_130.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2101, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-062\_Sm\_131.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2102, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-062\_Sm\_132.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2103, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-062\_Sm\_133.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2104, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-062\_Sm\_134.endf

---

- Passed All Checks!

---

dec-062\_Sm\_135.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2106, MF= 8, MT=457		
NEGATIVE SPIN NOT ALLOWED	SEQUENCE NUMBER	4
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL	SEQUENCE NUMBER	4
PARITY= 0.00000E+00 NOT +1.0 OR -1.0	SEQUENCE NUMBER	4
7 IN RTYPE = 2.70000E+00 IS INVALID	NEAR SEQUENCE NUMBER	6
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	6

---

dec-062\_Sm\_136.endf

---

- Passed All Checks!

---

dec-062\_Sm\_137.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2108, MF= 8, MT=457		
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	5

---

dec-062\_Sm\_138.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2109, MF= 8, MT=457		
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	5

---

dec-062\_Sm\_139.endf

---

- Passed All Checks!

---

dec-062\_Sm\_139m1.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2111, MF= 8, MT=457		
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	6

---

dec-062\_Sm\_140.endf

---

- Passed All Checks!

---

dec-062\_Sm\_141.endf

---

- Passed All Checks!

---

dec-062\_Sm\_141m1.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2114, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6

```

---

dec-062\_Sm\_142.endf

---

- Passed All Checks!

---

dec-062\_Sm\_143.endf

---

- Passed All Checks!

---

dec-062\_Sm\_143m1.endf

---

- Passed All Checks!

---

dec-062\_Sm\_143m2.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2118, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5

```

---

dec-062\_Sm\_144.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2119, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00           SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5

```

---

dec-062\_Sm\_145.endf

---

- Passed All Checks!

---

dec-062\_Sm\_146.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2121, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 2.52740E+06  SUM= 2.46000E+06          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 2.46000E+06  SUM= 2.52938E+06
```

---

dec-062\_Sm\_147.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2122, MF= 8, MT=457
GAMMA RAY NEEDED, SOURCE MODE=    4          SEQUENCE NUMBER    8
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 2.30876E+06  SUM= 2.24760E+06          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 2.24760E+06  SUM= 2.31055E+06
```

---

dec-062\_Sm\_148.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2123, MF= 8, MT=457
GAMMA RAY NEEDED, SOURCE MODE=    4          SEQUENCE NUMBER    8
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 1.98452E+06  SUM= 1.93230E+06          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 1.93230E+06  SUM= 1.98604E+06
```

---

dec-062\_Sm\_149.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2124, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00          SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-062\_Sm\_150.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2125, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-062\_Sm\_151.endf

---

- Passed All Checks!

---

dec-062\_Sm\_152.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2127, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-062\_Sm\_153.endf

---

- Passed All Checks!

---

dec-062\_Sm\_153m1.endf

---

- Passed All Checks!

---

dec-062\_Sm\_154.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2130, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-062\_Sm\_155.endf

---

- Passed All Checks!

---

dec-062\_Sm\_156.endf

---

- Passed All Checks!

---

dec-062\_Sm\_157.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2133, MF= 8, MT=457
  GAMMA ENERGY (GE) SUMUP FAILURE
    WHOLE= 5.85109E+05  SUM= 3.69159E+05          SEQUENCE NUMBER    3
```

---

dec-062\_Sm\_158.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=2134, MF= 8, MT=457
  NORMALIZATION CHECK INTEGRAL= 1.00318E+00 BEFORE SEQUENCE NUMBER  138
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 1.99900E+06  SUM= 9.45546E+05          SEQUENCE NUMBER    1
  ...
```

---

dec-062\_Sm\_159.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2135, MF= 8, MT=457
  RICC MUST BE GREATER THAN OR EQUAL TO RICK + RICLSEQUENCE NUMBER  53
  BETA MULTIPLICITY SUMUP FAILURE
    WHOLE= 1.00000E+00  SUM= 9.97000E-01
```

---

dec-062\_Sm\_160.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=2136, MF= 8, MT=457
  NORMALIZATION CHECK INTEGRAL= 1.00181E+00 BEFORE SEQUENCE NUMBER  199
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 2.82900E+06  SUM= 1.50070E+06          SEQUENCE NUMBER    1
  ...
```

---

dec-062\_Sm\_161.endf

---

• **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=2137, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00118E+00 BEFORE SEQUENCE NUMBER 331
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 5.05000E+06 SUM= 3.38189E+06 SEQUENCE NUMBER 1
...
```

---

dec-062\_Sm\_162.endf

---

• **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=2138, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00100E+00 BEFORE SEQUENCE NUMBER 265
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 3.94100E+06 SUM= 2.22989E+06 SEQUENCE NUMBER 1
...
```

---

dec-062\_Sm\_163.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2139, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 5.90300E+06 SUM= 4.04919E+06 SEQUENCE NUMBER 1
GAMMA AVERAGE ENERGY SUMUP FAILURE
...
```

---

dec-062\_Sm\_164.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2140, MF= 8, MT=457
DQ NOT IN RANGE 0.00000E+00 TO 5.51000E+05 SEQUENCE NUMBER 6
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 5.24100E+06 SUM= 3.05383E+06 SEQUENCE NUMBER 1
...
```

---

dec-062\_Sm\_165.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2141, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 7.00193E+06  SUM= 4.14608E+06      SEQUENCE NUMBER    1
GAMMA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-063\_Eu\_130.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2142, MF= 8, MT=457
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER    5
```

---

dec-063\_Eu\_131.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2143, MF= 8, MT=457
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER    6
```

---

dec-063\_Eu\_132.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2144, MF= 8, MT=457
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER    6
```

---

dec-063\_Eu\_133.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2145, MF= 8, MT=457
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER    5
```

---

dec-063\_Eu\_134.endf

---



- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2146, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
  
```

---

dec-063\_Eu\_135.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2147, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
  
```

---

dec-063\_Eu\_136.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2148, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
  
```

---

dec-063\_Eu\_136m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2149, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID                 NEAR SEQUENCE NUMBER    6
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
  
```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```

ERROR(S) FOUND IN MAT=2149, MF= 1, MT=451
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE     SEQUENCE NUMBER    2
  
```

---

dec-063\_Eu\_136m2.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2150, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER    5
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER        5
```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=2150, MF= 1, MT=451
  ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE  SEQUENCE NUMBER    2
```

---

dec-063\_Eu\_137.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2151, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER    5
```

---

dec-063\_Eu\_138.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2152, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER    5
```

---

dec-063\_Eu\_139.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2153, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER    5
```

---

dec-063\_Eu\_140.endf

---

- Passed All Checks!

---

dec-063\_Eu\_140m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2155, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER      6
```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=2155, MF= 1, MT=451
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE  SEQUENCE NUMBER      2
```

---

dec-063\_Eu\_141.endf

---

- Passed All Checks!

---

dec-063\_Eu\_141m1.endf

---

- Passed All Checks!

---

dec-063\_Eu\_142.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2158, MF= 8, MT=457
E.C. MULTIPLICITY SUMUP FAILURE
WHOLE= 1.00000E+00  SUM= 1.00060E+00
```

---

dec-063\_Eu\_142m1.endf

---

- **fizcon** Non-errors:

1. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=2159, MF= 1, MT=451
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE  SEQUENCE NUMBER      2
```

---

dec-063\_Eu\_143.endf

---

- Passed All Checks!

---

dec-063\_Eu\_144.endf

---

- Passed All Checks!

---

dec-063\_Eu\_145.endf

---

- Passed All Checks!

\_\_\_\_\_dec-063\_Eu\_146.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-063\_Eu\_147.endf\_\_\_\_\_

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2164, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 6.57168E+01  SUM= 6.39760E+01          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 6.39760E+01  SUM= 6.57678E+01
```

\_\_\_\_\_dec-063\_Eu\_148.endf\_\_\_\_\_

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2165, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 2.53902E-02  SUM= 2.47220E-02          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 2.47220E-02  SUM= 2.54096E-02
```

\_\_\_\_\_dec-063\_Eu\_149.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-063\_Eu\_150.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-063\_Eu\_150m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-063\_Eu\_151.endf\_\_\_\_\_

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2169, MF= 8, MT=457
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-063\_Eu\_152.endf

---

- Passed All Checks!

---

dec-063\_Eu\_152m1.endf

---

- Passed All Checks!

---

dec-063\_Eu\_152m2.endf

---

- Passed All Checks!

---

dec-063\_Eu\_153.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2173, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER    5
```

---

dec-063\_Eu\_154.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2174, MF= 8, MT=457
E.C. MULTIPLICITY SUMUP FAILURE
  WHOLE= 1.80000E-04  SUM= 5.10041E-05
```

---

dec-063\_Eu\_154m1.endf

---

- Passed All Checks!

---

dec-063\_Eu\_155.endf

---

- Passed All Checks!

---

dec-063\_Eu\_156.endf

---

- Passed All Checks!

---

dec-063\_Eu\_157.endf

---

- Passed All Checks!

---

dec-063\_Eu\_158.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2179, MF= 8, MT=457
  BETA ENERGY (BE) SUMUP FAILURE
    WHOLE= 8.19157E+05  SUM= 8.86709E+05      SEQUENCE NUMBER    3
  GAMMA ENERGY (GE) SUMUP FAILURE
    WHOLE= 1.36795E+06  SUM= 1.29708E+06      SEQUENCE NUMBER    3
```

---

dec-063\_Eu\_159.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2180, MF= 8, MT=457
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 2.51500E+06  SUM= 2.57821E+06      SEQUENCE NUMBER    1
  BETA MULTIPLICITY SUMUP FAILURE
    WHOLE= 1.00000E+00  SUM= 1.01850E+00
  BETA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 8.67899E+05  SUM= 8.62599E+05
```

---

dec-063\_Eu\_160.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2181, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0      SEQUENCE NUMBER    4
  NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER    5
```

---

dec-063\_Eu\_161.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=2182, MF= 8, MT=457
  E(MAXIMUM) > Q  E= 3.71000E+06  Q= 3.70500E+06  SEQUENCE NUMBER    8
  NORMALIZATION CHECK INTEGRAL= 1.00546E+00 BEFORE SEQUENCE NUMBER 213
  TOTAL ENERGY RELEASE SUMUP FAILURE
```

...

---

dec-063\_Eu\_162.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=2183, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00392E+00 BEFORE SEQUENCE NUMBER 301
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 5.58500E+06 SUM= 4.49460E+06 SEQUENCE NUMBER 1
```

...

---

dec-063\_Eu\_163.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=2184, MF= 8, MT=457
E(MAXIMUM) > Q E= 4.68000E+06 Q= 4.67500E+06 SEQUENCE NUMBER 8
NORMALIZATION CHECK INTEGRAL= 1.00280E+00 BEFORE SEQUENCE NUMBER 270
TOTAL ENERGY RELEASE SUMUP FAILURE
```

...

---

dec-063\_Eu\_164.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=2185, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00261E+00 BEFORE SEQUENCE NUMBER 384
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 6.44000E+06 SUM= 5.29969E+06 SEQUENCE NUMBER 1
```

...

---

dec-063\_Eu\_165.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

```
ERROR(S) FOUND IN MAT=2186, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00139E+00 BEFORE SEQUENCE NUMBER 372
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 5.78673E+06 SUM= 4.25439E+06 SEQUENCE NUMBER 1
```

...

---

dec-063\_Eu\_166.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2187, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-063\_Eu\_167.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2188, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-064\_Gd\_134.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2189, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-064\_Gd\_135.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2190, MF= 8, MT=457  
7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 5  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-064\_Gd\_136.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2191, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-064\_Gd\_137.endf

---



• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2192, MF= 8, MT=457
PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                        SEQUENCE NUMBER    5
```

---

dec-064\_Gd\_138.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2193, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                        SEQUENCE NUMBER    5
```

---

dec-064\_Gd\_139.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2194, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                        SEQUENCE NUMBER    5
```

---

dec-064\_Gd\_139m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2195, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                        SEQUENCE NUMBER    5
```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=2195, MF= 1, MT=451
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER    2
```

---

dec-064\_Gd\_140.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2196, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-064\_Gd\_141.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2197, MF= 8, MT=457
E.C. MULTIPLICITY SUMUP FAILURE
WHOLE= 1.00000E+00 SUM= 9.99000E-01
```

---

dec-064\_Gd\_141m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2198, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 6
```

---

dec-064\_Gd\_142.endf

---

- Passed All Checks!

---

dec-064\_Gd\_143.endf

---

- Passed All Checks!

---

dec-064\_Gd\_143m1.endf

---

- Passed All Checks!

---

dec-064\_Gd\_144.endf

---

- **fizcon** Errors:

1. Beta spectrum integral too small

```
ERROR(S) FOUND IN MAT=2202, MF= 8, MT=457
FT VALUE TOO SMALL                                SEQUENCE NUMBER 151
FT= 5.95548E+01 E= 1.42739E+06 I= 68            SEQUENCE NUMBER 151
```

---

dec-064\_Gd\_145.endf

---

- Passed All Checks!

---

dec-064\_Gd\_145m1.endf

---

- Passed All Checks!

---

dec-064\_Gd\_146.endf

---

- Passed All Checks!

---

dec-064\_Gd\_147.endf

---

- Passed All Checks!

---

dec-064\_Gd\_148.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2207, MF= 8, MT=457
  GAMMA RAY NEEDED, SOURCE MODE=      4           SEQUENCE NUMBER      8
  PARTICLE ENERGY (AE) SUMUP FAILURE
    WHOLE= 3.26871E+06  SUM= 3.18269E+06           SEQUENCE NUMBER      3
  ALPHA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 3.18269E+06  SUM= 3.27121E+06
```

---

dec-064\_Gd\_149.endf

---

- Passed All Checks!

---

dec-064\_Gd\_150.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2209, MF= 8, MT=457
  GAMMA RAY NEEDED, SOURCE MODE=      4           SEQUENCE NUMBER      8
  PARTICLE ENERGY (AE) SUMUP FAILURE
    WHOLE= 2.79869E+06  SUM= 2.72600E+06           SEQUENCE NUMBER      3
  ALPHA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 2.72600E+06  SUM= 2.80078E+06
```

---

dec-064\_Gd\_151.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2210, MF= 8, MT=457
  PARTICLE ENERGY (AE) SUMUP FAILURE
    WHOLE= 2.13510E-02  SUM= 2.08000E-02           SEQUENCE NUMBER      3
  ALPHA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 2.08000E-02  SUM= 2.13667E-02
```

---

dec-064\_Gd\_152.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2211, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 2.20299E+06  SUM= 2.14650E+06          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 2.14650E+06  SUM= 2.20458E+06
```

---

dec-064\_Gd\_153.endf

---

- Passed All Checks!

---

dec-064\_Gd\_154.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2213, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00          SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-064\_Gd\_155.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2214, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00          SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-064\_Gd\_155m1.endf

---

- Passed All Checks!

---

dec-064\_Gd\_156.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2216, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                          SEQUENCE NUMBER 5
```

---

dec-064\_Gd\_157.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2217, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                          SEQUENCE NUMBER 5
```

---

dec-064\_Gd\_158.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2218, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                          SEQUENCE NUMBER 5
```

---

dec-064\_Gd\_159.endf

---

- Passed All Checks!

---

dec-064\_Gd\_160.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2220, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                          SEQUENCE NUMBER 5
```

---

dec-064\_Gd\_161.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2221, MF= 8, MT=457  
BETA MULTIPLICITY SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 1.00100E+00  
BETA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 5.59164E+05 SUM= 5.56578E+05

---

dec-064\_Gd\_162.endf

---

- Passed All Checks!

---

dec-064\_Gd\_163.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

ERROR(S) FOUND IN MAT=2223, MF= 8, MT=457  
NORMALIZATION CHECK INTEGRAL= 1.00349E+00 BEFORE SEQUENCE NUMBER 205  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 3.12000E+06 SUM= 1.97411E+06 SEQUENCE NUMBER 1  
...

---

dec-064\_Gd\_164.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

ERROR(S) FOUND IN MAT=2224, MF= 8, MT=457  
NORMALIZATION CHECK INTEGRAL= 1.00410E+00 BEFORE SEQUENCE NUMBER 149  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 2.21900E+06 SUM= 1.34004E+06 SEQUENCE NUMBER 1  
...

---

dec-064\_Gd\_165.endf

---

- fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn't.

ERROR(S) FOUND IN MAT=2225, MF= 8, MT=457  
NORMALIZATION CHECK INTEGRAL= 1.00363E+00 BEFORE SEQUENCE NUMBER 226  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 4.05200E+06 SUM= 3.11608E+06 SEQUENCE NUMBER 1  
...

---

dec-064\_Gd\_166.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2226, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-064\_Gd\_167.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2227, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-064\_Gd\_168.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2228, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-064\_Gd\_169.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2229, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-065\_Tb\_135.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2230, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-065\_Tb\_136.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2231, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5

```

---

dec-065\_Tb\_137.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2232, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 6

```

---

dec-065\_Tb\_138.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2233, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5

```

---

dec-065\_Tb\_139.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2234, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5

```

---

dec-065\_Tb\_140.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2235, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID    NEAR SEQUENCE NUMBER 6
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 6

```

---

dec-065\_Tb\_141.endf

---



- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2236, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5

```

---

dec-065\_Tb\_141m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2237, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5

```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```

ERROR(S) FOUND IN MAT=2237, MF= 1, MT=451
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE     SEQUENCE NUMBER    2

```

---

dec-065\_Tb\_142.endf

---

- **fizcon** Errors:

1. Beta spectrum integral too small

```

ERROR(S) FOUND IN MAT=2238, MF= 8, MT=457
FT VALUE TOO SMALL                               SEQUENCE NUMBER    48
FT= 6.31712E+05 E= 8.05611E+06 I= 18             SEQUENCE NUMBER    48
FT VALUE TOO SMALL                               SEQUENCE NUMBER    56
FT= 3.76199E+05 E= 8.48535E+06 I= 22             SEQUENCE NUMBER    56
E.C. MULTIPLICITY SUMUP FAILURE
WHOLE= 1.00000E+00 SUM= 9.90100E-01

```

---

dec-065\_Tb\_142m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2239, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5

```

---

dec-065\_Tb\_143.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2240, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-065\_Tb\_143m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2241, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=2241, MF= 1, MT=451
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE     SEQUENCE NUMBER    2
```

---

dec-065\_Tb\_144.endf

---

- Passed All Checks!

---

dec-065\_Tb\_144m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2243, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

---

dec-065\_Tb\_145.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2244, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-065\_Tb\_145m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2245, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=2245, MF= 1, MT=451
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE     SEQUENCE NUMBER    2
```

---

dec-065\_Tb\_146.endf

---

- Passed All Checks!

---

dec-065\_Tb\_146m1.endf

---

- **fizcon** Non-errors:

1. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=2247, MF= 1, MT=451
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE     SEQUENCE NUMBER    2
```

---

dec-065\_Tb\_146m2.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2248, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-065\_Tb\_147.endf

---

- Passed All Checks!

---

dec-065\_Tb\_147m1.endf

---

- **fizcon** Errors:

1. Beta spectrum integral too small

```
ERROR(S) FOUND IN MAT=2250, MF= 8, MT=457
FT VALUE TOO SMALL                               SEQUENCE NUMBER    68
FT= 2.37597E+02 E= 1.45950E+06 I= 26           SEQUENCE NUMBER    68
```

---

dec-065\_Tb\_148.endf

---

- Passed All Checks!

---

dec-065\_Tb\_148m1.endf

---

- **fizcon** Errors:

1. Beta spectrum integral too small

```
ERROR(S) FOUND IN MAT=2252, MF= 8, MT=457
  FT VALUE TOO SMALL                      SEQUENCE NUMBER 161
  FT= 1.87833E+02  E= 1.41024E+06  I= 66    SEQUENCE NUMBER 161
  E.C. MULTIPLICITY SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 1.03900E+00
```

---

dec-065\_Tb\_149.endf

---

- Passed All Checks!

---

dec-065\_Tb\_149m1.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2254, MF= 8, MT=457
  PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 9.03398E+02  SUM= 8.79780E+02    SEQUENCE NUMBER 3
  E.C. MULTIPLICITY SUMUP FAILURE
  WHOLE= 9.99780E-01  SUM= 1.00000E+00
  ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 8.79780E+02  SUM= 9.04079E+02
```

---

dec-065\_Tb\_150.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2255, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER 6
```

---

dec-065\_Tb\_150m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2256, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-065\_Tb\_151.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2257, MF= 8, MT=457  
E.C. AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 4.06472E+03 SUM= 3.19942E+03

---

dec-065\_Tb\_151m1.endf

---

• fizcon Errors:

1. Beta spectrum integral too small

ERROR(S) FOUND IN MAT=2258, MF= 8, MT=457  
FT VALUE TOO SMALL SEQUENCE NUMBER 32  
FT= 1.78755E+01 E= 1.45436E+06 I= 9 SEQUENCE NUMBER 32

---

dec-065\_Tb\_152.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2259, MF= 8, MT=457  
TOO MANY DISCRETE SPECTRA FOR CODE TO PROCESS SEQUENCE NUMBER 921  
TOO MANY DISCRETE SPECTRA FOR CODE TO PROCESS SEQUENCE NUMBER 2383  
ELECTRON AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 2.78080E+04 SUM= 2.01660E+05

---

dec-065\_Tb\_152m1.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2260, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-065\_Tb\_153.endf

---

• Passed All Checks!

---

dec-065\_Tb\_154.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2262, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  NO DECAY SPECTRA GIVEN                       SEQUENCE NUMBER    6
```

---

dec-065\_Tb\_154m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2263, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN                       SEQUENCE NUMBER    6
```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=2263, MF= 1, MT=451
  ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER  2
```

---

dec-065\_Tb\_154m2.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2264, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN                       SEQUENCE NUMBER    6
```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=2264, MF= 1, MT=451
  ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER  2
```

---

dec-065\_Tb\_155.endf

---

- Passed All Checks!

---

dec-065\_Tb\_156.endf

---

- Passed All Checks!

---

dec-065\_Tb\_156m1.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=2267, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 6.96000E+04  SUM= 4.86049E+04          SEQUENCE NUMBER    1
  
```

---

dec-065\_Tb\_156m2.endf

---

- Passed All Checks!

---

dec-065\_Tb\_157.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=2269, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 6.01000E+04  SUM= 6.28474E+04          SEQUENCE NUMBER    1
  
```

---

dec-065\_Tb\_158.endf

---

- Passed All Checks!

---

dec-065\_Tb\_158m1.endf

---

- Passed All Checks!

---

dec-065\_Tb\_159.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2272, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00          SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5
  
```

---

dec-065\_Tb\_160.endf

---

- Passed All Checks!

---

dec-065\_Tb\_161.endf

---

- Passed All Checks!

\_\_\_\_\_dec-065\_Tb\_162.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-065\_Tb\_163.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-065\_Tb\_164.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-065\_Tb\_165.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-065\_Tb\_166.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2279, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

\_\_\_\_\_dec-065\_Tb\_167.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2280, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

\_\_\_\_\_dec-065\_Tb\_168.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2281, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

\_\_\_\_\_dec-065\_Tb\_169.endf\_\_\_\_\_

- **fizcon** Non-errors:



1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2282, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-065\_Tb\_170.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2283, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-065\_Tb\_171.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2284, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-066\_Dy\_138.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2285, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-066\_Dy\_139.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2286, MF= 8, MT=457  
7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 5  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-066\_Dy\_140.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2287, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-066\_Dy\_141.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2288, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-066\_Dy\_142.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2289, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID                NEAR SEQUENCE NUMBER  6
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

---

dec-066\_Dy\_143.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2290, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-066\_Dy\_143m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2291, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=2291, MF= 1, MT=451
    ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE    SEQUENCE NUMBER    2
```

---

dec-066\_Dy\_144.endf

---

- Passed All Checks!

---

dec-066\_Dy\_145.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2293, MF= 8, MT=457
    7 IN RTYPE = 2.70000E+00 IS INVALID    NEAR SEQUENCE NUMBER    6
    NO DECAY SPECTRA GIVEN                SEQUENCE NUMBER        6
```

---

dec-066\_Dy\_145m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2294, MF= 8, MT=457
    7 IN RTYPE = 2.70000E+00 IS INVALID    NEAR SEQUENCE NUMBER    6
    NO DECAY SPECTRA GIVEN                SEQUENCE NUMBER        6
```

---

dec-066\_Dy\_146.endf

---

- Passed All Checks!

---

dec-066\_Dy\_146m1.endf

---

- Passed All Checks!

---

dec-066\_Dy\_147.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2297, MF= 8, MT=457
    NO DECAY SPECTRA GIVEN                SEQUENCE NUMBER    5
```

---

dec-066\_Dy\_147m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2298, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

---

dec-066\_Dy\_148.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2299, MF= 8, MT=457
E.C. MULTIPLICITY SUMUP FAILURE
WHOLE= 1.00000E+00  SUM= 9.97700E-01
```

---

dec-066\_Dy\_149.endf

---

- Passed All Checks!

---

dec-066\_Dy\_149m1.endf

---

- Passed All Checks!

---

dec-066\_Dy\_150.endf

---

- **fizcon** Errors:

1. Beta spectrum integral too small

```
ERROR(S) FOUND IN MAT=2302, MF= 8, MT=457
FT VALUE TOO SMALL                               SEQUENCE NUMBER    14
FT= 9.26786E+00  E= 1.39780E+06  I= 2           SEQUENCE NUMBER    14
PARTICLE ENERGY (AE) SUMUP FAILURE
WHOLE= 1.43414E+06  SUM= 1.39689E+06           SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
WHOLE= 1.39689E+06  SUM= 1.43521E+06
```

---

dec-066\_Dy\_151.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2303, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 2.33923E+05 SUM= 2.27886E+05 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 2.27886E+05 SUM= 2.34095E+05

---

dec-066\_Dy\_152.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2304, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 3.72347E+03 SUM= 3.62800E+03 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 3.62800E+03 SUM= 3.72617E+03

---

dec-066\_Dy\_153.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2305, MF= 8, MT=457  
TOO MANY DISCRETE SPECTRA FOR CODE TO PROCESS SEQUENCE NUMBER 918  
TOO MANY DISCRETE SPECTRA FOR CODE TO PROCESS SEQUENCE NUMBER 2518  
ELECTRON AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 8.00039E+04 SUM= 9.33342E+04

---

dec-066\_Dy\_154.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2306, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 2.94455E+06 SUM= 2.87000E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 2.87000E+06 SUM= 2.94662E+06

---

dec-066\_Dy\_155.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2307, MF= 8, MT=457  
E.C. MULTIPLICITY SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 1.03915E+00

---

dec-066\_Dy\_156.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2308, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-066\_Dy\_157.endf

---

• Passed All Checks!

---

dec-066\_Dy\_157m1.endf

---

• Passed All Checks!

---

dec-066\_Dy\_158.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2311, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-066\_Dy\_159.endf

---

• Passed All Checks!

---

dec-066\_Dy\_160.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2313, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-066\_Dy\_161.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2314, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-066\_Dy\_162.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2315, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-066\_Dy\_163.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2316, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-066\_Dy\_164.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2317, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-066\_Dy\_165.endf

---

- Passed All Checks!

---

dec-066\_Dy\_165m1.endf

---

- Passed All Checks!

---

dec-066\_Dy\_166.endf

---

- Passed All Checks!

---

dec-066\_Dy\_167.endf

---

- Passed All Checks!

---

dec-066\_Dy\_168.endf

---

- Passed All Checks!

---

dec-066\_Dy\_169.endf

---

- Passed All Checks!

---

dec-066\_Dy\_170.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2324, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-066\_Dy\_171.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2325, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-066\_Dy\_172.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2326, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```



---

dec-066\_Dy\_173.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2327, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-067\_Ho\_140.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2328, MF= 8, MT=457  
NEGATIVE SPIN NOT ALLOWED SEQUENCE NUMBER 4  
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL SEQUENCE NUMBER 4  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-067\_Ho\_141.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2329, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-067\_Ho\_142.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2330, MF= 8, MT=457  
NEGATIVE SPIN NOT ALLOWED SEQUENCE NUMBER 4  
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL SEQUENCE NUMBER 4  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-067\_Ho\_143.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2331, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER    6
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER        6
```

---

dec-067\_Ho\_144.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2332, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER    5
```

---

dec-067\_Ho\_145.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2333, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER    5
```

---

dec-067\_Ho\_146.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2334, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER    5
```

---

dec-067\_Ho\_147.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2335, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                    SEQUENCE NUMBER    5
```

---

dec-067\_Ho\_148.endf

---

- Passed All Checks!

---

dec-067\_Ho\_148m1.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2337, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER    6
NO DECAY SPECTRA GIVEN                   SEQUENCE NUMBER        6
```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=2337, MF= 1, MT=451
  ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER    2
```

---

dec-067\_Ho\_148m2.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2338, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                   SEQUENCE NUMBER    5
```

---

dec-067\_Ho\_149.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2339, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                   SEQUENCE NUMBER    5
```

---

dec-067\_Ho\_149m1.endf

---

- Passed All Checks!

---

dec-067\_Ho\_150.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2341, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-067\_Ho\_150m1.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2342, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 8.16500E+06 SUM= 7.08665E+06 SEQUENCE NUMBER 1  
E.C. MULTIPLICITY SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 9.57000E-01  
E.C. AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 1.55788E+06 SUM= 1.27778E+06

---

dec-067\_Ho\_151.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2343, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-067\_Ho\_151m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2344, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-067\_Ho\_152.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2345, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-067\_Ho\_152m1.endf

---

- Passed All Checks!

---

dec-067\_Ho\_153.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=2347, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 2.04623E+03  SUM= 1.99410E+03          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 1.99410E+03  SUM= 2.04769E+03

```

---

dec-067\_Ho\_153m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2348, MF= 8, MT=457
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    6

```

---

dec-067\_Ho\_154.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2349, MF= 8, MT=457
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    6

```

---

dec-067\_Ho\_154m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2350, MF= 8, MT=457
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    6

```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```

ERROR(S) FOUND IN MAT=2350, MF= 1, MT=451
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE  SEQUENCE NUMBER    2

```

---

dec-067\_Ho\_155.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2351, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-067\_Ho\_155m1.endf

---

- Passed All Checks!

---

dec-067\_Ho\_156.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2353, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-067\_Ho\_156m1.endf

---

- Passed All Checks!

---

dec-067\_Ho\_156m2.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2355, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-067\_Ho\_157.endf

---

- **fizcon** Errors:

1. Beta spectrum integral too small

ERROR(S) FOUND IN MAT=2356, MF= 8, MT=457  
FT VALUE TOO SMALL SEQUENCE NUMBER 261  
FT= 1.76623E+02 E= 1.37687E+06 I= 97 SEQUENCE NUMBER 261

---

dec-067\_Ho\_158.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2357, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-067\_Ho\_158m1.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2358, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-067\_Ho\_158m2.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2359, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-067\_Ho\_159.endf

- **fizcon** Errors:

1. Beta spectrum integral too small

ERROR(S) FOUND IN MAT=2360, MF= 8, MT=457  
FT VALUE TOO SMALL SEQUENCE NUMBER 251  
FT= 1.56724E+02 E= 1.52841E+06 I= 88 SEQUENCE NUMBER 251  
DRIS NOT IN RANGE 0.00000E+00 TO 1.00000E-05 SEQUENCE NUMBER 257

---

dec-067\_Ho\_159m1.endf

- Passed All Checks!

---

dec-067\_Ho\_160.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2362, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-067\_Ho\_160m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2363, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER      6
```

---

dec-067\_Ho\_160m2.endf

---

- Passed All Checks!

---

dec-067\_Ho\_161.endf

---

- Passed All Checks!

---

dec-067\_Ho\_161m1.endf

---

- Passed All Checks!

---

dec-067\_Ho\_162.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2367, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 2.14000E+06  SUM= 2.11822E+06          SEQUENCE NUMBER      1
E.C. MULTIPLICITY SUMUP FAILURE
WHOLE= 1.00000E+00  SUM= 9.82390E-01
E.C. AVERAGE ENERGY SUMUP FAILURE
WHOLE= 1.87397E+04  SUM= 1.87735E+04
```

---

dec-067\_Ho\_162m1.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2368, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 9.19070E+05  SUM= 8.26539E+05          SEQUENCE NUMBER      1
E.C. MULTIPLICITY SUMUP FAILURE
WHOLE= 3.80000E-01  SUM= 1.45817E-01
```

---

dec-067\_Ho\_163.endf

---

- **fizcon** Errors:



1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2369, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 2.55500E+03  SUM=-4.98037E+04          SEQUENCE NUMBER    1
```

\_\_\_\_\_dec-067\_Ho\_163m1.endf\_\_\_\_\_

• Passed All Checks!

\_\_\_\_\_dec-067\_Ho\_164.endf\_\_\_\_\_

• Passed All Checks!

\_\_\_\_\_dec-067\_Ho\_164m1.endf\_\_\_\_\_

• Passed All Checks!

\_\_\_\_\_dec-067\_Ho\_165.endf\_\_\_\_\_

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2373, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
WHOLE= 1.00000E+00  SUM= 0.00000E+00          SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5
```

\_\_\_\_\_dec-067\_Ho\_166.endf\_\_\_\_\_

• Passed All Checks!

\_\_\_\_\_dec-067\_Ho\_166m1.endf\_\_\_\_\_

• Passed All Checks!

\_\_\_\_\_dec-067\_Ho\_167.endf\_\_\_\_\_

• Passed All Checks!

\_\_\_\_\_dec-067\_Ho\_168.endf\_\_\_\_\_

• Passed All Checks!

\_\_\_\_\_dec-067\_Ho\_168m1.endf\_\_\_\_\_

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2378, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-067\_Ho\_169.endf

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2379, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-067\_Ho\_170.endf

• Passed All Checks!

---

dec-067\_Ho\_170m1.endf

• fizcon Errors:

1. Beta spectrum integral too small

ERROR(S) FOUND IN MAT=2381, MF= 8, MT=457  
FT VALUE TOO SMALL SEQUENCE NUMBER 95  
FT= 8.26012E+05 E= 2.00740E+06 I= 37 SEQUENCE NUMBER 95

---

dec-067\_Ho\_171.endf

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2382, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-067\_Ho\_172.endf

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2383, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-067\_Ho\_173.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2384, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-067\_Ho\_174.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2385, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-067\_Ho\_175.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2386, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-068\_Er\_143.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2387, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-068\_Er\_144.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2388, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-068\_Er\_145.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2389, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                        SEQUENCE NUMBER    5
```

---

dec-068\_Er\_146.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2390, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER    5
NO DECAY SPECTRA GIVEN                        SEQUENCE NUMBER    5
```

---

dec-068\_Er\_147.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2391, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                        SEQUENCE NUMBER    5
```

---

dec-068\_Er\_147m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2392, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                        SEQUENCE NUMBER    5
```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=2392, MF= 1, MT=451
  ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE  SEQUENCE NUMBER    2
```

---

dec-068\_Er\_148.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2393, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-068\_Er\_149.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2394, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID           NEAR SEQUENCE NUMBER    6
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

---

dec-068\_Er\_149m1.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2395, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID           NEAR SEQUENCE NUMBER    6
E(DISCRETE) > Q E= 4.65110E+06 Q= 0.00000E+00 SEQUENCE NUMBER 222
E(DISCRETE) > Q E= 4.65800E+06 Q= 0.00000E+00 SEQUENCE NUMBER 224
...
```

---

dec-068\_Er\_150.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2396, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-068\_Er\_151.endf

---

• Passed All Checks!

---

dec-068\_Er\_151m1.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2398, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 2.83730E+06 SUM= 2.45562E+06 SEQUENCE NUMBER 1

---

dec-068\_Er\_152.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2399, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 4.48696E+06 SUM= 4.37191E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 4.37191E+06 SUM= 4.49020E+06

---

dec-068\_Er\_153.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2400, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 2.54198E+06 SUM= 2.47722E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 2.47722E+06 SUM= 2.54380E+06

---

dec-068\_Er\_154.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2401, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 2.00984E+04 SUM= 1.95896E+04 SEQUENCE NUMBER 3  
E.C. MULTIPLICITY SUMUP FAILURE  
WHOLE= 9.95300E-01 SUM= 9.99978E-01  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 1.95896E+04 SUM= 2.01126E+04

---

dec-068\_Er\_155.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2402, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-068\_Er\_156.endf

- Passed All Checks!

---

dec-068\_Er\_157.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2404, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-068\_Er\_157m1.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2405, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-068\_Er\_158.endf

- Passed All Checks!

---

dec-068\_Er\_159.endf

- Passed All Checks!

---

dec-068\_Er\_160.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2408, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-068\_Er\_161.endf

- **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2409, MF= 8, MT=457  
E.C. MULTIPLICITY SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 8.85000E-01

---

dec-068\_Er\_162.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2410, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-068\_Er\_163.endf

---

• fizcon Errors:

1. Beta spectrum integral too small

ERROR(S) FOUND IN MAT=2411, MF= 8, MT=457  
FT VALUE TOO SMALL SEQUENCE NUMBER 77  
FT= 1.92603E+00 E= 1.21000E+06 I= 28 SEQUENCE NUMBER 77

---

dec-068\_Er\_164.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2412, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-068\_Er\_165.endf

---

• Passed All Checks!

---

dec-068\_Er\_166.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.



```

ERROR(S) FOUND IN MAT=2414, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5

```

---

dec-068\_Er\_167.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2415, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5

```

---

dec-068\_Er\_167m1.endf

---

- Passed All Checks!

---

dec-068\_Er\_168.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2417, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5

```

---

dec-068\_Er\_169.endf

---

- Passed All Checks!

---

dec-068\_Er\_170.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2419, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5

```

\_\_\_\_\_dec-068\_Er\_171.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-068\_Er\_172.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-068\_Er\_173.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-068\_Er\_174.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2423, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

\_\_\_\_\_dec-068\_Er\_175.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2424, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

\_\_\_\_\_dec-068\_Er\_176.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2425, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

\_\_\_\_\_dec-068\_Er\_177.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2426, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-069\_Tm\_145.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2427, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-069\_Tm\_146.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2428, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-069\_Tm\_146m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2429, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-069\_Tm\_147.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2430, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-069\_Tm\_148.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2431, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-069\_Tm\_149.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2432, MF= 8, MT=457
  7 IN RTYPE = 2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER    6
NO DECAY SPECTRA GIVEN                   SEQUENCE NUMBER        6
```

---

dec-069\_Tm\_150.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2433, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                   SEQUENCE NUMBER    5
```

---

dec-069\_Tm\_150m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2434, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                   SEQUENCE NUMBER    5
```

---

dec-069\_Tm\_151.endf

---

- Passed All Checks!

---

dec-069\_Tm\_151m1.endf

---

- Passed All Checks!

---

dec-069\_Tm\_152.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2437, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                   SEQUENCE NUMBER    5
```

---

dec-069\_Tm\_152m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2438, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=2438, MF= 1, MT=451
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE     SEQUENCE NUMBER    2
```

---

dec-069\_Tm\_153.endf

---

- Passed All Checks!

---

dec-069\_Tm\_153m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2440, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

---

dec-069\_Tm\_154.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2441, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

---

dec-069\_Tm\_154m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2442, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=2442, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-069\_Tm\_155.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2443, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-069\_Tm\_155m1.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2444, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-069\_Tm\_156.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2445, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-069\_Tm\_157.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2446, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-069\_Tm\_158.endf

---

• Passed All Checks!

---

dec-069\_Tm\_159.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2448, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-069\_Tm\_160.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2449, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-069\_Tm\_160m1.endf

---

- Passed All Checks!

---

dec-069\_Tm\_161.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2451, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-069\_Tm\_162.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2452, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-069\_Tm\_162m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2453, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=2453, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-069\_Tm\_163.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2454, MF= 8, MT=457  
TOO MANY DISCRETE SPECTRA FOR CODE TO PROCESS SEQUENCE NUMBER 729  
TOO MANY DISCRETE SPECTRA FOR CODE TO PROCESS SEQUENCE NUMBER 2415  
ELECTRON AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 6.48987E+04 SUM= 7.03322E+04

---

dec-069\_Tm\_164.endf

---

- fizcon Errors:

1. Beta spectrum integral too small

ERROR(S) FOUND IN MAT=2455, MF= 8, MT=457  
FT VALUE TOO SMALL SEQUENCE NUMBER 314  
FT= 6.09102E+05 E= 1.49720E+06 I= 122 SEQUENCE NUMBER 314

---

dec-069\_Tm\_164m1.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2456, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-069\_Tm\_165.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!



ERROR(S) FOUND IN MAT=2457, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 1.59170E+06 SUM= 9.41310E+05 SEQUENCE NUMBER 1  
E.C. MULTIPLICITY SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 4.92230E-01

---

dec-069\_Tm\_166.endf

---

- Passed All Checks!

---

dec-069\_Tm\_166m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2459, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-069\_Tm\_167.endf

---

- Passed All Checks!

---

dec-069\_Tm\_168.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2461, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 1.67736E+06 SUM= 1.74153E+06 SEQUENCE NUMBER 1  
E.C. MULTIPLICITY SUMUP FAILURE  
WHOLE= 9.99900E-01 SUM= 1.04235E+00

---

dec-069\_Tm\_169.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2462, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-069\_Tm\_170.endf

---

- Passed All Checks!

---

dec-069\_Tm\_171.endf

---

- Passed All Checks!

---

dec-069\_Tm\_172.endf

---

- Passed All Checks!

---

dec-069\_Tm\_173.endf

---

- Passed All Checks!

---

dec-069\_Tm\_174.endf

---

- Passed All Checks!

---

dec-069\_Tm\_175.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2468, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER      5
```

---

dec-069\_Tm\_176.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2469, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER      5
```

---

dec-069\_Tm\_177.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2470, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER      5
```

---

dec-069\_Tm\_178.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2471, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5

```

---

dec-069\_Tm\_179.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2472, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5

```

---

dec-070\_Yb\_148.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2473, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5

```

---

dec-070\_Yb\_149.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2474, MF= 8, MT=457
NEGATIVE SPIN NOT ALLOWED                            SEQUENCE NUMBER 4
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL            SEQUENCE NUMBER 4
PARITY= 0.00000E+00 NOT +1.0 OR -1.0                SEQUENCE NUMBER 4
7 IN RTYPE = 2.70000E+00 IS INVALID                  NEAR SEQUENCE NUMBER 5
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5

```

---

dec-070\_Yb\_150.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2475, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5

```

---

dec-070\_Yb\_151.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2476, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-070\_Yb\_151m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2477, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=2477, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-070\_Yb\_152.endf

---

- Passed All Checks!

---

dec-070\_Yb\_153.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2479, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-070\_Yb\_154.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2480, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-070\_Yb\_155.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2481, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-070\_Yb\_156.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2482, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-070\_Yb\_157.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2483, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-070\_Yb\_158.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2484, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-070\_Yb\_159.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2485, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-070\_Yb\_160.endf

---

- Passed All Checks!

---

dec-070\_Yb\_161.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2487, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-070\_Yb\_162.endf

---

- **fizcon** Errors:

1. Beta spectrum integral too small

```
ERROR(S) FOUND IN MAT=2488, MF= 8, MT=457
FT VALUE TOO SMALL                               SEQUENCE NUMBER   143
FT= 5.52689E+01 E= 1.48665E+06 I= 60           SEQUENCE NUMBER   143
```

---

dec-070\_Yb\_163.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2489, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-070\_Yb\_164.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2490, MF= 8, MT=457
E(DISCRETE) > Q E= 8.87300E+05 Q= 8.80000E+05 SEQUENCE NUMBER  100
E(DISCRETE) > Q E= 9.28700E+05 Q= 8.80000E+05 SEQUENCE NUMBER  103
E(DISCRETE) > Q E= 1.01920E+06 Q= 8.80000E+05 SEQUENCE NUMBER  106
E.C. MULTIPLICITY SUMUP FAILURE
WHOLE= 1.00000E+00 SUM= 9.94000E-01
```

---

dec-070\_Yb\_165.endf

---

- **fizcon** Errors:

1. Beta spectrum integral too small

```
ERROR(S) FOUND IN MAT=2491, MF= 8, MT=457
  FT VALUE TOO SMALL                      SEQUENCE NUMBER  287
  FT= 1.31492E+02  E= 1.38896E+06  I=  129  SEQUENCE NUMBER  287
```

---

dec-070\_Yb\_166.endf

---

- Passed All Checks!

---

dec-070\_Yb\_167.endf

---

- **fizcon** Errors:

1. Beta spectrum integral too small

```
ERROR(S) FOUND IN MAT=2493, MF= 8, MT=457
  FT VALUE TOO SMALL                      SEQUENCE NUMBER  228
  FT= 1.74399E+02  E= 1.66120E+06  I=   92  SEQUENCE NUMBER  228
```

---

dec-070\_Yb\_168.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2494, MF= 8, MT=457
  BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00  SEQUENCE NUMBER  4
  NO DECAY SPECTRA GIVEN                SEQUENCE NUMBER  5
```

---

dec-070\_Yb\_169.endf

---

- Passed All Checks!

---

dec-070\_Yb\_169m1.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2496, MF= 8, MT=457
  TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 2.41999E+04  SUM= 2.17957E+04  SEQUENCE NUMBER  1
```

---

dec-070\_Yb\_170.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2497, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5

```

---

dec-070\_Yb\_171.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2498, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5

```

---

dec-070\_Yb\_171m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2499, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5

```

---

dec-070\_Yb\_172.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2500, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5

```

---

dec-070\_Yb\_173.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.



```
ERROR(S) FOUND IN MAT=2501, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-070\_Yb\_174.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2502, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-070\_Yb\_175.endf

---

- Passed All Checks!

---

dec-070\_Yb\_175m1.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2504, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-070\_Yb\_176.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2505, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-070\_Yb\_176m1.endf

---

- Passed All Checks!

---

dec-070\_Yb\_177.endf

---

- Passed All Checks!

---

dec-070\_Yb\_177m1.endf

---

- Passed All Checks!

---

dec-070\_Yb\_178.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2509, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-070\_Yb\_179.endf

---

- Passed All Checks!

---

dec-070\_Yb\_180.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2511, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-070\_Yb\_181.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2512, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-071\_Lu\_150.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2513, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

---

dec-071\_Lu\_151.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2514, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

---

dec-071\_Lu\_152.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2515, MF= 8, MT=457
NEGATIVE SPIN NOT ALLOWED                           SEQUENCE NUMBER    4
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL           SEQUENCE NUMBER    4
PARITY= 0.00000E+00 NOT +1.0 OR -1.0               SEQUENCE NUMBER    4
 7 IN RTYPE = 2.70000E+00 IS INVALID                NEAR SEQUENCE NUMBER 6
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

---

dec-071\_Lu\_153.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2516, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

---

dec-071\_Lu\_153m1.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2517, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

---

dec-071\_Lu\_154.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2518, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-071\_Lu\_154m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2519, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=2519, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-071\_Lu\_155.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2520, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-071\_Lu\_155m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2521, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-071\_Lu\_155m2.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2522, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-071\_Lu\_156.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2523, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-071\_Lu\_156m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2524, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=2524, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-071\_Lu\_157.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2525, MF= 8, MT=457  
NEGATIVE SPIN NOT ALLOWED SEQUENCE NUMBER 4  
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL SEQUENCE NUMBER 4  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-071\_Lu\_157m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2526, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-071\_Lu\_158.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2527, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-071\_Lu\_159.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2528, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-071\_Lu\_160.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2529, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-071\_Lu\_160m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2530, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=2530, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-071\_Lu\_161.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2531, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-071\_Lu\_161m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2532, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-071\_Lu\_162.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2533, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-071\_Lu\_162m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2534, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=2534, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-071\_Lu\_162m2.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2535, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=2535, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-071\_Lu\_163.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2536, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-071\_Lu\_164.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2537, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-071\_Lu\_165.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2538, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-071\_Lu\_166.endf

- Passed All Checks!

---

dec-071\_Lu\_166m1.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.



ERROR(S) FOUND IN MAT=2540, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-071\_Lu\_166m2.endf

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2541, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-071\_Lu\_167.endf

• Passed All Checks!

---

dec-071\_Lu\_167m1.endf

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2543, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=2543, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-071\_Lu\_168.endf

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2544, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-071\_Lu\_168m1.endf

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2545, MF= 8, MT=457  
E.C. MULTIPLICITY SUMUP FAILURE  
WHOLE= 9.96000E-01 SUM= 5.91026E-01  
E.C. AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 8.06746E+04 SUM= 5.05578E+04

---

dec-071\_Lu\_169.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2546, MF= 8, MT=457  
TOO MANY DISCRETE SPECTRA FOR CODE TO PROCESS SEQUENCE NUMBER 768  
TOO MANY DISCRETE SPECTRA FOR CODE TO PROCESS SEQUENCE NUMBER 2482  
ELECTRON AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 3.99974E+04 SUM= 4.65914E+04

---

dec-071\_Lu\_169m1.endf

---

- Passed All Checks!

---

dec-071\_Lu\_170.endf

---

- Passed All Checks!

---

dec-071\_Lu\_170m1.endf

---

- Passed All Checks!

---

dec-071\_Lu\_171.endf

---

- Passed All Checks!

---

dec-071\_Lu\_171m1.endf

---

- Passed All Checks!

---

dec-071\_Lu\_172.endf

---

- Passed All Checks!

---

dec-071\_Lu\_172m1.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2553, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 4.18600E+04 SUM= 3.54432E+04 SEQUENCE NUMBER 1

---

dec-071\_Lu\_173.endf

---

- Passed All Checks!

---

dec-071\_Lu\_174.endf

---

- Passed All Checks!

---

dec-071\_Lu\_174m1.endf

---

- Passed All Checks!

---

dec-071\_Lu\_175.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2557, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00  SUM= 0.00000E+00  SEQUENCE NUMBER  4
      NO DECAY SPECTRA GIVEN                SEQUENCE NUMBER  5
```

---

dec-071\_Lu\_176.endf

---

- Passed All Checks!

---

dec-071\_Lu\_176m1.endf

---

- Passed All Checks!

---

dec-071\_Lu\_177.endf

---

- Passed All Checks!

---

dec-071\_Lu\_177m1.endf

---

- Passed All Checks!

---

dec-071\_Lu\_177m2.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2562, MF= 8, MT=457
      SPI NOT IN RANGE 0.00000E+00 TO 1.60000E+01 SEQUENCE NUMBER  5
      NO DECAY SPECTRA GIVEN                SEQUENCE NUMBER  5
```

---

dec-071\_Lu\_178.endf

---

- Passed All Checks!

---

dec-071\_Lu\_178m1.endf

---

- Passed All Checks!

---

dec-071\_Lu\_179.endf

---

- Passed All Checks!

---

dec-071\_Lu\_179m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2566, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER      5
```

---

dec-071\_Lu\_180.endf

---

- Passed All Checks!

---

dec-071\_Lu\_180m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2568, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER      5
```

---

dec-071\_Lu\_181.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2569, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER      5
```

---

dec-071\_Lu\_182.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2570, MF= 8, MT=457		
NEGATIVE SPIN NOT ALLOWED	SEQUENCE NUMBER	4
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL	SEQUENCE NUMBER	4
PARITY= 0.00000E+00 NOT +1.0 OR -1.0	SEQUENCE NUMBER	4
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	5

---

dec-071\_Lu\_183.endf

---

- Passed All Checks!

---

dec-071\_Lu\_184.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2572, MF= 8, MT=457		
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	5

---

dec-072\_Hf\_153.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2573, MF= 8, MT=457		
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	5

---

dec-072\_Hf\_154.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2574, MF= 8, MT=457		
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	5

---

dec-072\_Hf\_155.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2575, MF= 8, MT=457		
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	5

---

dec-072\_Hf\_156.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2576, MF= 8, MT=457
  GAMMA RAY NEEDED, SOURCE MODE=    4           SEQUENCE NUMBER    8
  PARTICLE ENERGY (AE) SUMUP FAILURE
    WHOLE= 5.84288E+06  SUM= 5.69681E+06       SEQUENCE NUMBER    3
  ALPHA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 5.69681E+06  SUM= 5.84687E+06
```

---

dec-072\_Hf\_157.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2577, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN                       SEQUENCE NUMBER    6
```

---

dec-072\_Hf\_158.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2578, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN                       SEQUENCE NUMBER    6
```

---

dec-072\_Hf\_159.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2579, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN                       SEQUENCE NUMBER    6
```

---

dec-072\_Hf\_160.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2580, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-072\_Hf\_161.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2581, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-072\_Hf\_162.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2582, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-072\_Hf\_163.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2583, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-072\_Hf\_164.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2584, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-072\_Hf\_165.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2585, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-072\_Hf\_166.endf

- Passed All Checks!

---

dec-072\_Hf\_167.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2587, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-072\_Hf\_168.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2588, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-072\_Hf\_169.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2589, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-072\_Hf\_170.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2590, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-072\_Hf\_171.endf



• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2591, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-072\_Hf\_171m1.endf

---

• Passed All Checks!

---

dec-072\_Hf\_172.endf

---

• Passed All Checks!

---

dec-072\_Hf\_173.endf

---

• Passed All Checks!

---

dec-072\_Hf\_174.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2595, MF= 8, MT=457
E(DISCRETE) > Q E= 2.50000E+06 Q= 2.49310E+06 SEQUENCE NUMBER    8
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 2.49310E+06 SUM= 2.55888E+06           SEQUENCE NUMBER    1
```

...

---

dec-072\_Hf\_175.endf

---

• Passed All Checks!

---

dec-072\_Hf\_176.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2597, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
WHOLE= 1.00000E+00 SUM= 0.00000E+00           SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-072\_Hf\_177.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2598, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5

```

---

dec-072\_Hf\_177m1.endf

---

- Passed All Checks!

---

dec-072\_Hf\_177m2.endf

---

- **fizcon** Non-errors:

1. This is an isomer with a very high spin, much too much for FIZCON

```

ERROR(S) FOUND IN MAT=2600, MF= 8, MT=457
  SPI NOT IN RANGE 0.00000E+00 TO 1.60000E+01  SEQUENCE NUMBER  5

```

---

dec-072\_Hf\_178.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2601, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5

```

---

dec-072\_Hf\_178m1.endf

---

- Passed All Checks!

---

dec-072\_Hf\_178m2.endf

---

- Passed All Checks!

---

dec-072\_Hf\_179.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2604, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5

```

\_\_\_\_\_dec-072\_Hf\_179m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-072\_Hf\_179m2.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-072\_Hf\_180.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2607, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER    5
```

\_\_\_\_\_dec-072\_Hf\_180m1.endf\_\_\_\_\_

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2608, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
      WHOLE= 1.14150E+06  SUM= 1.11527E+06      SEQUENCE NUMBER    1
```

\_\_\_\_\_dec-072\_Hf\_181.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-072\_Hf\_182.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-072\_Hf\_182m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-072\_Hf\_183.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-072\_Hf\_184.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-072\_Hf\_184m1.endf\_\_\_\_\_

- Passed All Checks!

---

dec-072\_Hf\_185.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2615, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-072\_Hf\_186.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2616, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-072\_Hf\_187.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2617, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-072\_Hf\_188.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2618, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-073\_Ta\_155.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2619, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-073\_Ta\_156.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2620, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-073\_Ta\_156m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2621, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-073\_Ta\_157.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2622, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-073\_Ta\_157m1.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2623, MF= 8, MT=457  
GAMMA RAY NEEDED, SOURCE MODE= 4 SEQUENCE NUMBER 8  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 6.37232E+06 SUM= 6.21400E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 6.21400E+06 SUM= 6.37660E+06

---

dec-073\_Ta\_157m2.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2624, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 7.94130E+06 SUM= 7.74400E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 7.74400E+06 SUM= 7.94663E+06

---

dec-073\_Ta\_158.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2625, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-073\_Ta\_158m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2626, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-073\_Ta\_159.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2627, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-073\_Ta\_159m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2628, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-073\_Ta\_160.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2629, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-073\_Ta\_160m1.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2630, MF= 8, MT=457  
PARITY FIELD MUST BE 0.0 FOR UNKNOWN SPIN SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-073\_Ta\_161.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2631, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-073\_Ta\_162.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2632, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-073\_Ta\_163.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2633, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-073\_Ta\_164.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2634, MF= 8, MT=457
E.C. MULTIPLICITY SUMUP FAILURE
WHOLE= 1.00000E+00 SUM= 9.98000E-01
```

---

dec-073\_Ta\_165.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2635, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-073\_Ta\_166.endf

---

• Passed All Checks!

---

dec-073\_Ta\_167.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2637, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-073\_Ta\_168.endf

---

• Passed All Checks!

---

dec-073\_Ta\_169.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2639, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-073\_Ta\_170.endf

---

• Passed All Checks!

---

dec-073\_Ta\_171.endf

---



• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2641, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER    5
```

---

dec-073\_Ta\_172.endf

• Passed All Checks!

---

dec-073\_Ta\_173.endf

• Passed All Checks!

---

dec-073\_Ta\_174.endf

• Passed All Checks!

---

dec-073\_Ta\_175.endf

• Passed All Checks!

---

dec-073\_Ta\_176.endf

• Passed All Checks!

---

dec-073\_Ta\_176m1.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2647, MF= 8, MT=457
PARITY FIELD MUST BE 0.0 FOR UNKNOWN SPIN  SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER    5
```

---

dec-073\_Ta\_176m2.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2648, MF= 8, MT=457
SPI NOT IN RANGE 0.00000E+00 TO 1.60000E+01 SEQUENCE NUMBER    5
NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER    5
```

---

dec-073\_Ta\_177.endf

- Passed All Checks!

---

dec-073\_Ta\_178.endf

---

- Passed All Checks!

---

dec-073\_Ta\_178m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2651, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5

```

---

dec-073\_Ta\_178m2.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2652, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5

```

---

dec-073\_Ta\_179.endf

---

- Passed All Checks!

---

dec-073\_Ta\_179m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2654, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5

```

---

dec-073\_Ta\_179m2.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2655, MF= 8, MT=457
SPI NOT IN RANGE 0.00000E+00 TO 1.60000E+01 SEQUENCE NUMBER    5
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5

```

---

dec-073\_Ta\_180.endf

---

- Passed All Checks!

---

dec-073\_Ta\_180m1.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2657, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-073\_Ta\_181.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2658, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER  5
```

---

dec-073\_Ta\_182.endf

---

- Passed All Checks!

---

dec-073\_Ta\_182m1.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2660, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 1.62630E+04  SUM= 1.21755E+04      SEQUENCE NUMBER  1
```

---

dec-073\_Ta\_182m2.endf

---

- Passed All Checks!

---

dec-073\_Ta\_183.endf

---

- Passed All Checks!

---

dec-073\_Ta\_184.endf

---

- Passed All Checks!

---

dec-073\_Ta\_185.endf

---

- Passed All Checks!

---

dec-073\_Ta\_185m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2665, MF= 8, MT=457
PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                        SEQUENCE NUMBER    5
```

---

dec-073\_Ta\_186.endf

---

- Passed All Checks!

---

dec-073\_Ta\_187.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2667, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                        SEQUENCE NUMBER    5
```

---

dec-073\_Ta\_188.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2668, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                        SEQUENCE NUMBER    5
```

---

dec-073\_Ta\_189.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2669, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                        SEQUENCE NUMBER    5
```

---

dec-073\_Ta\_190.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2670, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-074\_W\_158.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2671, MF= 8, MT=457  
GAMMA RAY NEEDED, SOURCE MODE= 4 SEQUENCE NUMBER 8  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 6.60817E+06 SUM= 6.44500E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 6.44500E+06 SUM= 6.61254E+06

---

dec-074\_W\_159.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2672, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-074\_W\_160.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2673, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-074\_W\_161.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2674, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-074\_W\_162.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2675, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-074\_W\_163.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2676, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-074\_W\_164.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2677, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-074\_W\_165.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2678, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-074\_W\_166.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=2679, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 1.69862E+03  SUM= 1.65865E+03          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 1.65865E+03  SUM= 1.69964E+03

```

---

dec-074\_W\_167.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2680, MF= 8, MT=457
PARITY FIELD MUST BE 0.0 FOR UNKNOWN SPIN          SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                             SEQUENCE NUMBER    6

```

---

dec-074\_W\_168.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2681, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                             SEQUENCE NUMBER    6

```

---

dec-074\_W\_169.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2682, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                             SEQUENCE NUMBER    5

```

---

dec-074\_W\_170.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2683, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                             SEQUENCE NUMBER    5

```

---

dec-074\_W\_171.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2684, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

\_\_\_\_\_dec-074\_W\_172.endf\_\_\_\_\_

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2685, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

\_\_\_\_\_dec-074\_W\_173.endf\_\_\_\_\_

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2686, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

\_\_\_\_\_dec-074\_W\_174.endf\_\_\_\_\_

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2687, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

\_\_\_\_\_dec-074\_W\_175.endf\_\_\_\_\_

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2688, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

\_\_\_\_\_dec-074\_W\_176.endf\_\_\_\_\_



- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2689, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-074\_W\_177.endf

---

- Passed All Checks!

---

dec-074\_W\_178.endf

---

- Passed All Checks!

---

dec-074\_W\_179.endf

---

- Passed All Checks!

---

dec-074\_W\_179m1.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2693, MF= 8, MT=457
E.C. MULTIPLICITY SUMUP FAILURE
WHOLE= 2.90000E-03  SUM= 1.80001E-03
```

---

dec-074\_W\_180.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2694, MF= 8, MT=457
T12 NOT IN RANGE 0.00000E+00 TO 1.00000E+24 SEQUENCE NUMBER    3
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-074\_W\_180m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2695, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-074\_W\_181.endf

---

- Passed All Checks!

---

dec-074\_W\_182.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2697, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-074\_W\_183.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2698, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-074\_W\_183m1.endf

---

- Passed All Checks!

---

dec-074\_W\_184.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2700, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-074\_W\_185.endf

---

- Passed All Checks!

---

dec-074\_W\_185m1.endf

---

- Passed All Checks!

---

dec-074\_W\_186.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2703, MF= 8, MT=457  
T12 NOT IN RANGE 0.00000E+00 TO 1.00000E+24 SEQUENCE NUMBER 3  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-074\_W\_186m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2704, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=2704, MF= 1, MT=451  
ELIS NOT IN RANGE 0.00000E+00 TO 3.00000E+06 SEQUENCE NUMBER 3

---

dec-074\_W\_187.endf

---

- Passed All Checks!

---

dec-074\_W\_188.endf

---

- Passed All Checks!

---

dec-074\_W\_189.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2707, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-074\_W\_190.endf

---

- Passed All Checks!

---

dec-074\_W\_190m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2709, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-074\_W\_191.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2710, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-074\_W\_192.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2711, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-075\_Re\_160.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2712, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-075\_Re\_161.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2713, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-075\_Re\_161m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2714, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-075\_Re\_162.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2715, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-075\_Re\_162m1.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2716, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-075\_Re\_163.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2717, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-075\_Re\_163m1.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2718, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-075\_Re\_164.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2719, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-075\_Re\_164m1.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2720, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-075\_Re\_165.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2721, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-075\_Re\_165m1.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2722, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-075\_Re\_166.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2723, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-075\_Re\_167.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2724, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-075\_Re\_167m1.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2725, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=2725, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-075\_Re\_168.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2726, MF= 8, MT=457  
NEGATIVE SPIN NOT ALLOWED SEQUENCE NUMBER 4  
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL SEQUENCE NUMBER 4  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-075\_Re\_169.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2727, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-075\_Re\_169m1.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2728, MF= 8, MT=457		
NEGATIVE SPIN NOT ALLOWED	SEQUENCE NUMBER	4
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL	SEQUENCE NUMBER	4
PARITY= 0.00000E+00 NOT +1.0 OR -1.0	SEQUENCE NUMBER	4
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	6

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=2728, MF= 1, MT=451		
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE	SEQUENCE NUMBER	2

---

dec-075\_Re\_170.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2729, MF= 8, MT=457		
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	5

---

dec-075\_Re\_171.endf

---

- Passed All Checks!

---

dec-075\_Re\_172.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2731, MF= 8, MT=457		
PARITY= 0.00000E+00 NOT +1.0 OR -1.0	SEQUENCE NUMBER	4
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	5

---

dec-075\_Re\_172m1.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2732, MF= 8, MT=457		
PARITY= 0.00000E+00 NOT +1.0 OR -1.0	SEQUENCE NUMBER	4
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	5



2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=2732, MF= 1, MT=451
  ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE      SEQUENCE NUMBER      2
```

---

dec-075\_Re\_173.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2733, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER      5
```

---

dec-075\_Re\_174.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2734, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER      5
```

---

dec-075\_Re\_175.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2735, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER      5
```

---

dec-075\_Re\_176.endf

---

- Passed All Checks!

---

dec-075\_Re\_177.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2737, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER      5
```

---

dec-075\_Re\_178.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2738, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5
```

---

dec-075\_Re\_179.endf

---

- Passed All Checks!

---

dec-075\_Re\_180.endf

---

- **fizcon** Errors:

1. Beta spectrum integral too small

```
ERROR(S) FOUND IN MAT=2740, MF= 8, MT=457
FT VALUE TOO SMALL                                SEQUENCE NUMBER    233
FT= 8.68271E+05 E= 1.54344E+06 I= 107            SEQUENCE NUMBER    233
FT VALUE TOO SMALL                                SEQUENCE NUMBER    235
FT= 9.42760E+05 E= 1.57218E+06 I= 108            SEQUENCE NUMBER    235
FT VALUE TOO SMALL                                SEQUENCE NUMBER    237
FT= 8.95398E+05 E= 1.62328E+06 I= 109            SEQUENCE NUMBER    237
```

---

dec-075\_Re\_181.endf

---

- Passed All Checks!

---

dec-075\_Re\_182.endf

---

- Passed All Checks!

---

dec-075\_Re\_182m1.endf

---

- Passed All Checks!

---

dec-075\_Re\_183.endf

---

- Passed All Checks!

---

dec-075\_Re\_183m1.endf

---

- Passed All Checks!

---

dec-075\_Re\_184.endf

---

- Passed All Checks!

---

dec-075\_Re\_184m1.endf

---

- Passed All Checks!

\_\_\_\_\_dec-075\_Re\_185.endf\_\_\_\_\_

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2748, MF= 8, MT=457
  BRANCHING RATIO SUMUP FAILURE
    WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
  NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER    5

```

\_\_\_\_\_dec-075\_Re\_186.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-075\_Re\_186m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-075\_Re\_187.endf\_\_\_\_\_

- fizcon Non-errors:

1. FIZCON apparently has a bug in its calculation of log(FT) values that causes it to have trouble with nearly stable nuclei

```

ERROR(S) FOUND IN MAT=2751, MF= 8, MT=457

  ERROR CALCULATING BETA SPECTRUM INTEGRAL

  ERROR CALCULATING BETA SPECTRUM INTEGRAL
    FT VALUE TOO SMALL      SEQUENCE NUMBER    8
    FT= 0.00000E+00  E= 2.46900E+03  I= 1      SEQUENCE NUMBER    8

```

\_\_\_\_\_dec-075\_Re\_188.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-075\_Re\_188m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-075\_Re\_189.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-075\_Re\_190.endf\_\_\_\_\_

- Passed All Checks!

---

dec-075\_Re\_190m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2756, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-075\_Re\_191.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2757, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-075\_Re\_192.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2758, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-075\_Re\_193.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2759, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-075\_Re\_194.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2760, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-076\_0s\_162.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2761, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
WHOLE= 6.76501E+06  SUM= 6.60200E+06          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
WHOLE= 6.60200E+06  SUM= 6.76927E+06
```

---

dec-076\_0s\_163.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2762, MF= 8, MT=457
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-076\_0s\_164.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2763, MF= 8, MT=457
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    6
```

---

dec-076\_0s\_165.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2764, MF= 8, MT=457
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    6
```

---

dec-076\_0s\_166.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2765, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-076\_0s\_167.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2766, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-076\_0s\_168.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2767, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-076\_0s\_169.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2768, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-076\_0s\_170.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2769, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-076\_0s\_171.endf

---

• Passed All Checks!

---

dec-076\_0s\_172.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2771, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-076\_0s\_173.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2772, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-076\_0s\_174.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2773, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-076\_0s\_175.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2774, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-076\_0s\_176.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2775, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-076\_0s\_177.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2776, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-076\_0s\_178.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2777, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-076\_0s\_179.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2778, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-076\_0s\_180.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2779, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-076\_0s\_181.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2780, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-076\_0s\_181m1.endf



• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2781, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

---

dec-076\_0s\_182.endf

---

• Passed All Checks!

---

dec-076\_0s\_183.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2783, MF= 8, MT=457
E.C. MULTIPLICITY SUMUP FAILURE
WHOLE= 1.00000E+00 SUM= 1.02619E+00
```

---

dec-076\_0s\_183m1.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2784, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 1.99822E+06 SUM= 1.84581E+06           SEQUENCE NUMBER    1
E.C. MULTIPLICITY SUMUP FAILURE
WHOLE= 8.50000E-01 SUM= 7.27770E-01
```

---

dec-076\_0s\_184.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2785, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-076\_0s\_185.endf

---

• Passed All Checks!

---

dec-076\_0s\_186.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2787, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-076\_0s\_187.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2788, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
WHOLE= 1.00000E+00 SUM= 0.00000E+00           SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-076\_0s\_188.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2789, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
WHOLE= 1.00000E+00 SUM= 0.00000E+00           SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-076\_0s\_189.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2790, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
WHOLE= 1.00000E+00 SUM= 0.00000E+00           SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-076\_0s\_189m1.endf

---

• Passed All Checks!

---

dec-076\_0s\_190.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2792, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER  5
```

---

dec-076\_0s\_190m1.endf

---

- Passed All Checks!

---

dec-076\_0s\_191.endf

---

- Passed All Checks!

---

dec-076\_0s\_191m1.endf

---

- Passed All Checks!

---

dec-076\_0s\_192.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2796, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER  4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER  5
```

---

dec-076\_0s\_192m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2797, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER  6
```

---

dec-076\_0s\_193.endf

---

- Passed All Checks!

---

dec-076\_0s\_194.endf

---

- Passed All Checks!

---

dec-076\_0s\_195.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2800, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-076\_0s\_196.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2801, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-077\_Ir\_164.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2802, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-077\_Ir\_164m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2803, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-077\_Ir\_165.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2804, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-077\_Ir\_166.endf

---

- **fizcon** Errors:

1. At least one gamma ray needed for given source mode

ERROR(S) FOUND IN MAT=2805, MF= 8, MT=457  
GAMMA RAY NEEDED, SOURCE MODE= 7 SEQUENCE NUMBER 13

---

dec-077\_Ir\_166m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2806, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-077\_Ir\_167.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2807, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-077\_Ir\_167m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2808, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-077\_Ir\_168.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2809, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-077\_Ir\_168m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2810, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-077\_Ir\_169.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2811, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-077\_Ir\_169m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2812, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-077\_Ir\_170.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2813, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-077\_Ir\_170m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2814, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=2814, MF= 1, MT=451
    ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE    SEQUENCE NUMBER    2
```

---

dec-077\_Ir\_171.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2815, MF= 8, MT=457
    NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    7
```

---

dec-077\_Ir\_171m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2816, MF= 8, MT=457
    NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    7
```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=2816, MF= 1, MT=451
    ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE    SEQUENCE NUMBER    2
```

---

dec-077\_Ir\_172.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2817, MF= 8, MT=457
    NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    6
```

---

dec-077\_Ir\_172m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2818, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-077\_Ir\_173.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2819, MF= 8, MT=457  
NEGATIVE SPIN NOT ALLOWED SEQUENCE NUMBER 4  
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL SEQUENCE NUMBER 4  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-077\_Ir\_173m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2820, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-077\_Ir\_174.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2821, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-077\_Ir\_174m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2822, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-077\_Ir\_175.endf

---

• **fizcon** Non-errors:



1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2823, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 6
```

---

dec-077\_Ir\_176.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2824, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 6
```

---

dec-077\_Ir\_177.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2825, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
WHOLE= 3.07455E+03  SUM= 3.00660E+03                SEQUENCE NUMBER 3
ALPHA AVERAGE ENERGY SUMUP FAILURE
WHOLE= 3.00660E+03  SUM= 3.07618E+03
```

---

dec-077\_Ir\_178.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2826, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-077\_Ir\_179.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2827, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-077\_Ir\_180.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2828, MF= 8, MT=457
NEGATIVE SPIN NOT ALLOWED                SEQUENCE NUMBER    4
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL SEQUENCE NUMBER    4
PARITY= 0.00000E+00 NOT +1.0 OR -1.0    SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                  SEQUENCE NUMBER    5
```

---

dec-077\_Ir\_181.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2829, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                  SEQUENCE NUMBER    5
```

---

dec-077\_Ir\_182.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2830, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                  SEQUENCE NUMBER    5
```

---

dec-077\_Ir\_183.endf

---

• Passed All Checks!

---

dec-077\_Ir\_184.endf

---

• Passed All Checks!

---

dec-077\_Ir\_185.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2833, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                  SEQUENCE NUMBER    5
```

---

dec-077\_Ir\_186.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2834, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

\_\_\_\_\_dec-077\_Ir\_186m1.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2835, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=2835, MF= 1, MT=451
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE     SEQUENCE NUMBER    2
```

---

\_\_\_\_\_dec-077\_Ir\_187.endf\_\_\_\_\_

- Passed All Checks!

---

\_\_\_\_\_dec-077\_Ir\_187m1.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2837, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

\_\_\_\_\_dec-077\_Ir\_188.endf\_\_\_\_\_

- Passed All Checks!

---

\_\_\_\_\_dec-077\_Ir\_188m1.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2839, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 5

\_\_\_\_\_dec-077\_Ir\_189.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-077\_Ir\_189m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-077\_Ir\_189m2.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-077\_Ir\_190.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-077\_Ir\_190m1.endf\_\_\_\_\_

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2844, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE

WHOLE= 2.61000E+04 SUM= 1.72132E+04

SEQUENCE NUMBER 1

\_\_\_\_\_dec-077\_Ir\_190m2.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-077\_Ir\_191.endf\_\_\_\_\_

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2846, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE

WHOLE= 1.00000E+00 SUM= 0.00000E+00

SEQUENCE NUMBER 4

NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 5

\_\_\_\_\_dec-077\_Ir\_191m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-077\_Ir\_191m2.endf\_\_\_\_\_

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2848, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5

```

\_\_\_\_\_dec-077\_Ir\_192.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-077\_Ir\_192m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-077\_Ir\_192m2.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-077\_Ir\_193.endf\_\_\_\_\_

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2852, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
WHOLE= 1.00000E+00 SUM= 0.00000E+00           SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5

```

\_\_\_\_\_dec-077\_Ir\_193m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-077\_Ir\_194.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-077\_Ir\_194m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-077\_Ir\_194m2.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-077\_Ir\_195.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-077\_Ir\_195m1.endf\_\_\_\_\_

- Passed All Checks!

---

dec-077\_Ir\_196.endf

---

- Passed All Checks!

---

dec-077\_Ir\_196m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2860, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-077\_Ir\_197.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2861, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-077\_Ir\_197m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2862, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-077\_Ir\_198.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2863, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-077\_Ir\_199.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2864, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-078\_Pt\_166.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2865, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-078\_Pt\_167.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2866, MF= 8, MT=457  
GAMMA RAY NEEDED, SOURCE MODE= 4 SEQUENCE NUMBER 8  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 7.14923E+06 SUM= 6.98200E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 6.98200E+06 SUM= 7.15346E+06

---

dec-078\_Pt\_168.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2867, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 6.94570E+06 SUM= 6.78418E+06 SEQUENCE NUMBER 3  
ALPHA MULTIPLICITY SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 9.93000E-01  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 6.78418E+06 SUM= 6.94976E+06

---

dec-078\_Pt\_169.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2868, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-078\_Pt\_170.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2869, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-078\_Pt\_171.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2870, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-078\_Pt\_172.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2871, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-078\_Pt\_173.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2872, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-078\_Pt\_174.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2873, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6



---

dec-078\_Pt\_175.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2874, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-078\_Pt\_176.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2875, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-078\_Pt\_177.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2876, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-078\_Pt\_178.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2877, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-078\_Pt\_179.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2878, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-078\_Pt\_180.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2879, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-078\_Pt\_181.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2880, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-078\_Pt\_182.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2881, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-078\_Pt\_183.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2882, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-078\_Pt\_183m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2883, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-078\_Pt\_184.endf

---

- **fizcon** Errors:

1. Beta spectrum integral too small

```
ERROR(S) FOUND IN MAT=2884, MF= 8, MT=457
  FT VALUE TOO SMALL                      SEQUENCE NUMBER 260
  FT= 3.11360E+01 E= 1.37616E+06 I= 90    SEQUENCE NUMBER 260
  PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 7.81978E+01 SUM= 7.65340E+01    SEQUENCE NUMBER 3
  ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 7.65340E+01 SUM= 7.82363E+01
```

---

dec-078\_Pt\_184m1.endf

---

- Passed All Checks!

---

dec-078\_Pt\_185.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2886, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN                  SEQUENCE NUMBER 6
```

---

dec-078\_Pt\_185m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2887, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN                  SEQUENCE NUMBER 6
```

---

dec-078\_Pt\_186.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2888, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN                  SEQUENCE NUMBER 6
```

---

dec-078\_Pt\_187.endf

---

- Passed All Checks!

---

dec-078\_Pt\_188.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2890, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 9.88589E-01  SUM= 9.67993E-01      SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 9.67993E-01  SUM= 9.89055E-01
```

---

dec-078\_Pt\_189.endf

---

- Passed All Checks!

---

dec-078\_Pt\_190.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2892, MF= 8, MT=457
GAMMA RAY NEEDED, SOURCE MODE=    4      SEQUENCE NUMBER    8
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 3.24184E+06  SUM= 3.17500E+06      SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 3.17500E+06  SUM= 3.24334E+06
```

---

dec-078\_Pt\_191.endf

---

- Passed All Checks!

---

dec-078\_Pt\_192.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2894, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER    5
```

---

dec-078\_Pt\_193.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2895, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 5.66000E+04  SUM= 2.26543E+04          SEQUENCE NUMBER    1
```

---

dec-078\_Pt\_193m1.endf

---

- Passed All Checks!

---

dec-078\_Pt\_194.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2897, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00          SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-078\_Pt\_195.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2898, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00          SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-078\_Pt\_195m1.endf

---

- Passed All Checks!

---

dec-078\_Pt\_196.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2900, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00          SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-078\_Pt\_197.endf

---

- Passed All Checks!

---

dec-078\_Pt\_197m1.endf

---

- Passed All Checks!

---

dec-078\_Pt\_198.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2903, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
      WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5
```

---

dec-078\_Pt\_199.endf

---

- Passed All Checks!

---

dec-078\_Pt\_199m1.endf

---

- Passed All Checks!

---

dec-078\_Pt\_200.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2906, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5
```

---

dec-078\_Pt\_201.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2907, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5
```

---

dec-078\_Pt\_202.endf

---

- Passed All Checks!

---

dec-079\_Au\_169.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2909, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-079\_Au\_170.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2910, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-079\_Au\_170m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2911, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-079\_Au\_171.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2912, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-079\_Au\_171m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2913, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-079\_Au\_172.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2914, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-079\_Au\_173.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2915, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-079\_Au\_173m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2916, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-079\_Au\_174.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2917, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-079\_Au\_174m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2918, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5



---

dec-079\_Au\_175.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2919, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
WHOLE= 6.55856E+06 SUM= 6.41200E+06 SEQUENCE NUMBER 3
ALPHA AVERAGE ENERGY SUMUP FAILURE
WHOLE= 6.41200E+06 SUM= 6.56210E+06
```

---

dec-079\_Au\_175m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2920, MF= 8, MT=457
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6
```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=2920, MF= 1, MT=451
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2
```

---

dec-079\_Au\_176.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2921, MF= 8, MT=457
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6
```

---

dec-079\_Au\_176m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2922, MF= 8, MT=457
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6
```

---

dec-079\_Au\_177.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2923, MF= 8, MT=457
NEGATIVE SPIN NOT ALLOWED                SEQUENCE NUMBER    4
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL SEQUENCE NUMBER    4
PARITY= 0.00000E+00 NOT +1.0 OR -1.0    SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                   SEQUENCE NUMBER    5
```

---

dec-079\_Au\_177m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2924, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                   SEQUENCE NUMBER    6
```

---

dec-079\_Au\_178.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2925, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                   SEQUENCE NUMBER    6
```

---

dec-079\_Au\_179.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2926, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                   SEQUENCE NUMBER    6
```

---

dec-079\_Au\_180.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2927, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-079\_Au\_181.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2928, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-079\_Au\_182.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2929, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-079\_Au\_183.endf

---

• Passed All Checks!

---

dec-079\_Au\_184.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2931, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-079\_Au\_184m1.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2932, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-079\_Au\_185.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2933, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

---

dec-079\_Au\_186.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2934, MF= 8, MT=457
E(DISCRETE) > Q  E= 4.65300E+06  Q= 0.00000E+00  SEQUENCE NUMBER  184
PARTICLE ENERGY (AE) SUMUP FAILURE
WHOLE= 3.80245E+01  SUM= 3.72240E+01           SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
WHOLE= 3.72240E+01  SUM= 3.80428E+01
```

---

dec-079\_Au\_187.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2935, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

---

dec-079\_Au\_187m1.endf

---

• Passed All Checks!

---

dec-079\_Au\_188.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2937, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-079\_Au\_189.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2938, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-079\_Au\_189m1.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2939, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-079\_Au\_190.endf

- Passed All Checks!

---

dec-079\_Au\_190m1.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2941, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-079\_Au\_191.endf

- Passed All Checks!

---

dec-079\_Au\_191m1.endf

- Passed All Checks!

---

dec-079\_Au\_192.endf

- Passed All Checks!

---

dec-079\_Au\_192m1.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2945, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

\_\_\_\_\_dec-079\_Au\_192m2.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2946, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 5

\_\_\_\_\_dec-079\_Au\_193.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-079\_Au\_193m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-079\_Au\_194.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-079\_Au\_194m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-079\_Au\_194m2.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-079\_Au\_195.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-079\_Au\_195m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-079\_Au\_196.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-079\_Au\_196m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-079\_Au\_196m2.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-079\_Au\_197.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2957, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5
```

---

dec-079\_Au\_197m1.endf

---

- Passed All Checks!

---

dec-079\_Au\_198.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2959, MF= 8, MT=457
BETA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 3.12272E+05  SUM= 3.11823E+05
```

---

dec-079\_Au\_198m1.endf

---

- Passed All Checks!

---

dec-079\_Au\_199.endf

---

- Passed All Checks!

---

dec-079\_Au\_200.endf

---

- Passed All Checks!

---

dec-079\_Au\_200m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2963, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    6
```

---

dec-079\_Au\_201.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2964, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 5

---

dec-079\_Au\_202.endf

- Passed All Checks!

---

dec-079\_Au\_203.endf

- Passed All Checks!

---

dec-079\_Au\_204.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2967, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 5

---

dec-079\_Au\_205.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2968, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 5

---

dec-080\_Hg\_171.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2969, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 5

---

dec-080\_Hg\_172.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2970, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 5



---

dec-080\_Hg\_173.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2971, MF= 8, MT=457
  GAMMA RAY NEEDED, SOURCE MODE=      4           SEQUENCE NUMBER      8
  PARTICLE ENERGY (AE) SUMUP FAILURE
    WHOLE= 7.36954E+06  SUM= 7.20300E+06           SEQUENCE NUMBER      3
  ALPHA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 7.20300E+06  SUM= 7.37360E+06
```

---

dec-080\_Hg\_174.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2972, MF= 8, MT=457
  PARTICLE ENERGY (AE) SUMUP FAILURE
    WHOLE= 7.20777E+06  SUM= 7.04580E+06           SEQUENCE NUMBER      3
  ALPHA MULTIPLICITY SUMUP FAILURE
    WHOLE= 1.00000E+00  SUM= 9.97000E-01
  ALPHA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 7.04580E+06  SUM= 7.21170E+06
```

---

dec-080\_Hg\_175.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=2973, MF= 8, MT=457
  PARTICLE ENERGY (AE) SUMUP FAILURE
    WHOLE= 6.96891E+06  SUM= 6.81318E+06           SEQUENCE NUMBER      3
  ALPHA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 6.81318E+06  SUM= 6.97267E+06
```

---

dec-080\_Hg\_176.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=2974, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN           SEQUENCE NUMBER      6
```

---

dec-080\_Hg\_177.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2975, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-080\_Hg\_178.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2976, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-080\_Hg\_179.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2977, MF= 8, MT=457  
7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 6  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-080\_Hg\_180.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2978, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-080\_Hg\_181.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2979, MF= 8, MT=457  
7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 7  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 8

---

dec-080\_Hg\_182.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2980, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-080\_Hg\_183.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2981, MF= 8, MT=457  
7 IN RTYPE = 2.70000E+00 IS INVALID NEAR SEQUENCE NUMBER 7  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-080\_Hg\_184.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2982, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-080\_Hg\_185.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2983, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-080\_Hg\_185m1.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2984, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 7

```

---

dec-080\_Hg\_186.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=2985, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
WHOLE= 8.32568E+02 SUM= 8.15040E+02           SEQUENCE NUMBER 3
ALPHA AVERAGE ENERGY SUMUP FAILURE
WHOLE= 8.15040E+02 SUM= 8.32968E+02

```

---

dec-080\_Hg\_187.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2986, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 6

```

---

dec-080\_Hg\_187m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2987, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 6

```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```

ERROR(S) FOUND IN MAT=2987, MF= 1, MT=451
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE     SEQUENCE NUMBER 2

```

---

dec-080\_Hg\_188.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=2988, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 1.67231E+00  SUM= 1.63747E+00          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 1.63747E+00  SUM= 1.67310E+00

```

---

dec-080\_Hg\_189.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2989, MF= 8, MT=457
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    6

```

---

dec-080\_Hg\_189m1.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=2990, MF= 8, MT=457
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    6

```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```

ERROR(S) FOUND IN MAT=2990, MF= 1, MT=451
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE  SEQUENCE NUMBER    2

```

---

dec-080\_Hg\_190.endf

---

- fizcon Errors:

1. Beta spectrum integral too small

```

ERROR(S) FOUND IN MAT=2991, MF= 8, MT=457
FT VALUE TOO SMALL              SEQUENCE NUMBER    83
FT= 6.94047E+00  E= 1.33940E+06  I= 28          SEQUENCE NUMBER    83

```

---

dec-080\_Hg\_191.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2992, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 5

---

dec-080\_Hg\_191m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2993, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=2993, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE

SEQUENCE NUMBER 2

---

dec-080\_Hg\_192.endf

---

- Passed All Checks!

---

dec-080\_Hg\_193.endf

---

- Passed All Checks!

---

dec-080\_Hg\_193m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=2996, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 6

---

dec-080\_Hg\_194.endf

---

- Passed All Checks!

---

dec-080\_Hg\_195.endf

---

- Passed All Checks!

---

dec-080\_Hg\_195m1.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=2999, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 8.94672E+05 SUM= 7.98656E+05 SEQUENCE NUMBER 1

---

dec-080\_Hg\_196.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3000, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-080\_Hg\_197.endf

---

- Passed All Checks!

---

dec-080\_Hg\_197m1.endf

---

- Passed All Checks!

---

dec-080\_Hg\_198.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3003, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-080\_Hg\_199.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3004, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-080\_Hg\_199m1.endf

---

- Passed All Checks!

---

dec-080\_Hg\_200.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=3006, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5

```

---

dec-080\_Hg\_201.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=3007, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5

```

---

dec-080\_Hg\_202.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=3008, MF= 8, MT=457
BRANCHING RATIO SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 0.00000E+00      SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5

```

---

dec-080\_Hg\_203.endf

---

- Passed All Checks!

---

dec-080\_Hg\_204.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.



ERROR(S) FOUND IN MAT=3010, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-080\_Hg\_205.endf

- Passed All Checks!

---

dec-080\_Hg\_205m1.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3012, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-080\_Hg\_206.endf

- Passed All Checks!

---

dec-080\_Hg\_207.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3014, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-080\_Hg\_208.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3015, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-080\_Hg\_209.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3016, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-080\_Hg\_210.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3017, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-081\_Tl\_176.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3018, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-081\_Tl\_177.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3019, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-081\_Tl\_178.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3020, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-081\_Tl\_179.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=3021, MF= 8, MT=457
  GAMMA RAY NEEDED, SOURCE MODE=      4           SEQUENCE NUMBER    8
  PARTICLE ENERGY (AE) SUMUP FAILURE
    WHOLE= 6.71375E+06  SUM= 6.56700E+06         SEQUENCE NUMBER    3
  ALPHA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 6.56700E+06  SUM= 6.71721E+06

```

---

dec-081\_T1\_179m1.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=3022, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN           SEQUENCE NUMBER    5

```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```

ERROR(S) FOUND IN MAT=3022, MF= 1, MT=451
  ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE  SEQUENCE NUMBER    2

```

---

dec-081\_T1\_180.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=3023, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN           SEQUENCE NUMBER    7

```

---

dec-081\_T1\_181.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=3024, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN           SEQUENCE NUMBER    6

```

---

dec-081\_T1\_181m1.endf

---

- Passed All Checks!

---

dec-081\_T1\_182.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3026, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-081\_Tl\_183.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3027, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-081\_Tl\_183m1.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3028, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-081\_Tl\_184.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3029, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-081\_Tl\_185.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3030, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-081\_Tl\_185m1.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3031, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

\_\_\_\_\_dec-081\_Tl\_186.endf\_\_\_\_\_

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3032, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

\_\_\_\_\_dec-081\_Tl\_186m1.endf\_\_\_\_\_

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3033, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

\_\_\_\_\_dec-081\_Tl\_187.endf\_\_\_\_\_

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3034, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

\_\_\_\_\_dec-081\_Tl\_187m1.endf\_\_\_\_\_

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3035, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

\_\_\_\_\_dec-081\_Tl\_188.endf\_\_\_\_\_

- Passed All Checks!

---

dec-081\_T1\_188m1.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3037, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-081\_T1\_188m2.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3038, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-081\_T1\_189.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3039, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-081\_T1\_189m1.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3040, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-081\_T1\_190.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3041, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-081\_Tl\_190m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3042, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3042, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-081\_Tl\_191.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3043, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-081\_Tl\_191m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3044, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3044, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-081\_Tl\_192.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3045, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-081\_T1\_192m1.endf

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3046, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-081\_T1\_193.endf

- Passed All Checks!

---

dec-081\_T1\_193m1.endf

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3048, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-081\_T1\_194.endf

- Passed All Checks!

---

dec-081\_T1\_194m1.endf

- Passed All Checks!

---

dec-081\_T1\_195.endf

- Passed All Checks!

---

dec-081\_T1\_195m1.endf

- Passed All Checks!

---

dec-081\_T1\_196.endf

- Passed All Checks!

---

dec-081\_T1\_196m1.endf



- Passed All Checks!

\_\_\_\_\_dec-081\_T1\_197.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-081\_T1\_197m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-081\_T1\_198.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-081\_T1\_198m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-081\_T1\_198m2.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-081\_T1\_199.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-081\_T1\_199m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-081\_T1\_200.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-081\_T1\_200m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-081\_T1\_201.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-081\_T1\_201m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-081\_T1\_202.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-081\_T1\_203.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3067, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-081\_T1\_204.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3068, MF= 8, MT=457  
BETA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 2.36924E+05 SUM= 2.34403E+05

---

dec-081\_T1\_205.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3069, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-081\_T1\_206.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3070, MF= 8, MT=457  
BETA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 5.38367E+05 SUM= 5.36016E+05

---

dec-081\_T1\_206m1.endf

---

• Passed All Checks!

---

dec-081\_T1\_207.endf

---

• Passed All Checks!

---

dec-081\_T1\_207m1.endf

---

• Passed All Checks!

---

dec-081\_T1\_208.endf

---

- Passed All Checks!

---

dec-081\_Tl\_209.endf

---

- Passed All Checks!

---

dec-081\_Tl\_210.endf

---

- Passed All Checks!

---

dec-081\_Tl\_211.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3077, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-081\_Tl\_212.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3078, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-082\_Pb\_178.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3079, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-082\_Pb\_179.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3080, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

---

dec-082\_Pb\_180.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3081, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-082\_Pb\_181.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3082, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-082\_Pb\_181m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3083, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3083, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-082\_Pb\_182.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3084, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-082\_Pb\_183.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3085, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-082\_Pb\_183m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3086, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-082\_Pb\_184.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3087, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-082\_Pb\_185.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3088, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-082\_Pb\_185m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3089, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3089, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-082\_Pb\_186.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3090, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-082\_Pb\_187.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3091, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-082\_Pb\_187m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3092, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-082\_Pb\_188.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3093, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-082\_Pb\_189.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3094, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-082\_Pb\_189m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3095, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-082\_Pb\_190.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3096, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-082\_Pb\_191.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3097, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-082\_Pb\_191m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3098, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3098, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-082\_Pb\_192.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=3099, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6

```

---

dec-082\_Pb\_193.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=3100, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5

```

---

dec-082\_Pb\_193m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=3101, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5

```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```

ERROR(S) FOUND IN MAT=3101, MF= 1, MT=451
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE     SEQUENCE NUMBER    2

```

---

dec-082\_Pb\_194.endf

---

- **fizcon** Errors:

1. Beta spectrum integral too small

```

ERROR(S) FOUND IN MAT=3102, MF= 8, MT=457
FT VALUE TOO SMALL                               SEQUENCE NUMBER    295
FT= 2.34300E+02 E= 1.43244E+06 I= 109           SEQUENCE NUMBER    295
FT VALUE TOO SMALL                               SEQUENCE NUMBER    317

```

...

---

dec-082\_Pb\_195.endf

---

- **fizcon** Non-errors:



1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=3103, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5

```

---

dec-082\_Pb\_195m1.endf

---

- Passed All Checks!

---

dec-082\_Pb\_196.endf

---

- **fizcon** Errors:

1. Beta spectrum integral too small

```

ERROR(S) FOUND IN MAT=3105, MF= 8, MT=457
FT VALUE TOO SMALL                                SEQUENCE NUMBER 63
FT= 5.89571E+01 E= 1.37980E+06 I= 19           SEQUENCE NUMBER 63

```

---

dec-082\_Pb\_197.endf

---

- Passed All Checks!

---

dec-082\_Pb\_197m1.endf

---

- Passed All Checks!

---

dec-082\_Pb\_198.endf

---

- Passed All Checks!

---

dec-082\_Pb\_199.endf

---

- Passed All Checks!

---

dec-082\_Pb\_199m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=3110, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 6

```

---

dec-082\_Pb\_200.endf

---

- Passed All Checks!

---

dec-082\_Pb\_201.endf

---

- Passed All Checks!

\_\_\_\_\_dec-082\_Pb\_201m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-082\_Pb\_202.endf\_\_\_\_\_

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3114, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
      WHOLE= 5.00000E+04  SUM=-1.38591E+04          SEQUENCE NUMBER    1
```

\_\_\_\_\_dec-082\_Pb\_202m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-082\_Pb\_203.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-082\_Pb\_203m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-082\_Pb\_203m2.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-082\_Pb\_204.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3119, MF= 8, MT=457
      T12 NOT IN RANGE 0.00000E+00 TO 1.00000E+24  SEQUENCE NUMBER    3
      NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER    5
```

\_\_\_\_\_dec-082\_Pb\_204m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-082\_Pb\_205.endf\_\_\_\_\_

- **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3121, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 5.05000E+04 SUM=-1.21564E+04 SEQUENCE NUMBER 1

---

dec-082\_Pb\_205m1.endf

- Passed All Checks!

---

dec-082\_Pb\_206.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3123, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-082\_Pb\_207.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3124, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-082\_Pb\_207m1.endf

- Passed All Checks!

---

dec-082\_Pb\_208.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3126, MF= 8, MT=457  
BRANCHING RATIO SUMUP FAILURE  
WHOLE= 1.00000E+00 SUM= 0.00000E+00 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-082\_Pb\_209.endf

- Passed All Checks!

---

dec-082\_Pb\_210.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3128, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
      WHOLE= 7.20263E-02  SUM= 7.06800E-02          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
      WHOLE= 7.06800E-02  SUM= 7.20534E-02
```

---

dec-082\_Pb\_211.endf

---

- Passed All Checks!

---

dec-082\_Pb\_212.endf

---

- Passed All Checks!

---

dec-082\_Pb\_213.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3131, MF= 8, MT=457
      NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-082\_Pb\_214.endf

---

- Passed All Checks!

---

dec-082\_Pb\_215.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3133, MF= 8, MT=457
      NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-083\_Bi\_184.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3134, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-083\_Bi\_184m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3135, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3135, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-083\_Bi\_185.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3136, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-083\_Bi\_186.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3137, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-083\_Bi\_186m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3138, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

- We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```

ERROR(S) FOUND IN MAT=3138, MF= 1, MT=451
  ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE      SEQUENCE NUMBER      2

```

---

dec-083\_Bi\_187.endf

---

- **fizcon** Non-errors:

- Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=3139, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER      5

```

---

dec-083\_Bi\_187m1.endf

---

- **fizcon** Non-errors:

- Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=3140, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER      6

```

---

dec-083\_Bi\_188.endf

---

- **fizcon** Errors:

- Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=3141, MF= 8, MT=457
  GAMMA RAY NEEDED, SOURCE MODE=      4           SEQUENCE NUMBER      8
  GAMMA RAY NEEDED, SOURCE MODE=      4           SEQUENCE NUMBER     10
  TOTAL ENERGY RELEASE SUMUP FAILURE
  ...

```

---

dec-083\_Bi\_188m1.endf

---

- **fizcon** Non-errors:

- Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=3142, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER      5

```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=3142, MF= 1, MT=451
    ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE      SEQUENCE NUMBER      2
```

---

dec-083\_Bi\_189.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3143, MF= 8, MT=457
    NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER      6
```

---

dec-083\_Bi\_189m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3144, MF= 8, MT=457
    NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER      6
```

---

dec-083\_Bi\_190.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3145, MF= 8, MT=457
    NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER      6
```

---

dec-083\_Bi\_190m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3146, MF= 8, MT=457
    NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER      6
```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3146, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-083\_Bi\_191.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3147, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-083\_Bi\_191m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3148, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-083\_Bi\_192.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3149, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-083\_Bi\_192m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3150, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3150, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2



---

dec-083\_Bi\_193.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3151, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-083\_Bi\_193m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3152, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-083\_Bi\_194.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3153, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-083\_Bi\_194m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3154, MF= 8, MT=457  
NEGATIVE SPIN NOT ALLOWED SEQUENCE NUMBER 4  
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL SEQUENCE NUMBER 4  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3154, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-083\_Bi\_194m2.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3155, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3155, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-083\_Bi\_195.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3156, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-083\_Bi\_195m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3157, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-083\_Bi\_196.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3158, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 6.30980E+01 SUM= 6.18360E+01 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 6.18360E+01 SUM= 6.31252E+01

---

dec-083\_Bi\_196m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3159, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

---

dec-083\_Bi\_196m2.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3160, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
WHOLE= 1.98220E+01  SUM= 1.94256E+01           SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
WHOLE= 1.94256E+01  SUM= 1.98306E+01
```

---

dec-083\_Bi\_197.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3161, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

---

dec-083\_Bi\_197m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3162, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    7
```

---

dec-083\_Bi\_198.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3163, MF= 8, MT=457		
NEGATIVE SPIN NOT ALLOWED	SEQUENCE NUMBER	4
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL	SEQUENCE NUMBER	4
PARITY= 0.00000E+00 NOT +1.0 OR -1.0	SEQUENCE NUMBER	4
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	5

---

dec-083\_Bi\_198m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3164, MF= 8, MT=457		
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3164, MF= 1, MT=451		
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE	SEQUENCE NUMBER	2

---

dec-083\_Bi\_198m2.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3165, MF= 8, MT=457		
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	5

---

dec-083\_Bi\_199.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3166, MF= 8, MT=457		
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	5

---

dec-083\_Bi\_199m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3167, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-083\_Bi\_200.endf

---

- Passed All Checks!

---

dec-083\_Bi\_200m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3169, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3169, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-083\_Bi\_200m2.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3170, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-083\_Bi\_201.endf

---

- Passed All Checks!

---

dec-083\_Bi\_201m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3172, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-083\_Bi\_202.endf

---

- Passed All Checks!

\_\_\_\_\_dec-083\_Bi\_203.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-083\_Bi\_203m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-083\_Bi\_204.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-083\_Bi\_204m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-083\_Bi\_204m2.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. This is an isomer with a very high spin, much too much for FIZCON

ERROR(S) FOUND IN MAT=3178, MF= 8, MT=457

SPI NOT IN RANGE 0.00000E+00 TO 1.60000E+01 SEQUENCE NUMBER

5

\_\_\_\_\_dec-083\_Bi\_205.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-083\_Bi\_206.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-083\_Bi\_207.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-083\_Bi\_208.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-083\_Bi\_208m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-083\_Bi\_209.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. The halflife given in the file really is correct, despite what FIZCON says

```
ERROR(S) FOUND IN MAT=3184, MF= 8, MT=457
  T12 NOT IN RANGE  0.00000E+00 TO  1.00000E+24  SEQUENCE NUMBER    3
  GAMMA RAY NEEDED, SOURCE MODE=    4           SEQUENCE NUMBER    8
  GAMMA RAY NEEDED, SOURCE MODE=    4           SEQUENCE NUMBER   10
```

...

---

dec-083\_Bi\_210.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3185, MF= 8, MT=457
  BETA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 3.89220E+05  SUM= 3.87992E+05
```

---

dec-083\_Bi\_210m1.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3186, MF= 8, MT=457
  PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 5.00486E+06  SUM= 4.91131E+06           SEQUENCE NUMBER    3
  ALPHA MULTIPLICITY SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 1.00019E+00
  ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 4.91131E+06  SUM= 5.00675E+06
```

---

dec-083\_Bi\_211.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3187, MF= 8, MT=457
  PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 6.67298E+06  SUM= 6.54883E+06           SEQUENCE NUMBER    3
  ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 6.54883E+06  SUM= 6.67547E+06
```

---

dec-083\_Bi\_212.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3188, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 2.21638E+06  SUM= 2.17534E+06          SEQUENCE NUMBER    3
BETA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 4.93917E+05  SUM= 4.91412E+05
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 2.17534E+06  SUM= 2.21720E+06
```

---

dec-083\_Bi\_212m1.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3189, MF= 8, MT=457
NEGATIVE SPIN NOT ALLOWED          SEQUENCE NUMBER    4
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL SEQUENCE NUMBER    4
PARITY= 0.00000E+00 NOT +1.0 OR -1.0  SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN            SEQUENCE NUMBER    7
```

---

dec-083\_Bi\_212m2.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3190, MF= 8, MT=457
NO DECAY SPECTRA GIVEN            SEQUENCE NUMBER    5
```

---

dec-083\_Bi\_213.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3191, MF= 8, MT=457
ALPHA MULTIPLICITY SUMUP FAILURE
  WHOLE= 2.20000E-02  SUM= 2.09000E-02
```

---

dec-083\_Bi\_214.endf

---

- Passed All Checks!

---

dec-083\_Bi\_215.endf

---

- Passed All Checks!



---

dec-083\_Bi\_215m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3194, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-083\_Bi\_216.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3195, MF= 8, MT=457  
NEGATIVE SPIN NOT ALLOWED SEQUENCE NUMBER 4  
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL SEQUENCE NUMBER 4  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-083\_Bi\_217.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3196, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-083\_Bi\_218.endf

---

- Passed All Checks!

---

dec-084\_Po\_188.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3198, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-084\_Po\_189.endf

---

- Passed All Checks!

---

dec-084\_Po\_190.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3200, MF= 8, MT=457
  GAMMA RAY NEEDED, SOURCE MODE=    4           SEQUENCE NUMBER    8
  GAMMA RAY NEEDED, SOURCE MODE=    4           SEQUENCE NUMBER   10
  PARTICLE ENERGY (AE) SUMUP FAILURE
    WHOLE= 7.67602E+06  SUM= 7.51775E+06           SEQUENCE NUMBER    3
  ALPHA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 7.51775E+06  SUM= 7.67954E+06
```

---

dec-084\_Po\_191.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3201, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN           SEQUENCE NUMBER    5
```

---

dec-084\_Po\_191m1.endf

---

• fizcon Errors:

1. At least one gamma ray needed for given source mode

```
ERROR(S) FOUND IN MAT=3202, MF= 8, MT=457
  GAMMA RAY NEEDED, SOURCE MODE=    4           SEQUENCE NUMBER    8
  GAMMA RAY NEEDED, SOURCE MODE=    4           SEQUENCE NUMBER   10
  GAMMA RAY NEEDED, SOURCE MODE=    4           SEQUENCE NUMBER   12
  GAMMA RAY NEEDED, SOURCE MODE=    4           SEQUENCE NUMBER   14
  GAMMA RAY NEEDED, SOURCE MODE=    4           SEQUENCE NUMBER   16
```

---

dec-084\_Po\_192.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3203, MF= 8, MT=457
  GAMMA RAY NEEDED, SOURCE MODE=    4           SEQUENCE NUMBER    8
  GAMMA RAY NEEDED, SOURCE MODE=    4           SEQUENCE NUMBER   10
  PARTICLE ENERGY (AE) SUMUP FAILURE
    WHOLE= 7.26385E+06  SUM= 7.11560E+06           SEQUENCE NUMBER    3
  ALPHA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 7.11560E+06  SUM= 7.26711E+06
```

---

dec-084\_Po\_193.endf

---

- Passed All Checks!

---

dec-084\_Po\_193m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3205, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3205, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-084\_Po\_194.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3206, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-084\_Po\_195.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3207, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-084\_Po\_195m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3208, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-084\_Po\_196.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3209, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-084\_Po\_197.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3210, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-084\_Po\_197m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3211, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-084\_Po\_198.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3212, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-084\_Po\_199.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3213, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-084\_Po\_199m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3214, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-084\_Po\_200.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3215, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-084\_Po\_201.endf

---

- Passed All Checks!

---

dec-084\_Po\_201m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3217, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-084\_Po\_202.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3218, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-084\_Po\_203.endf

---

- Passed All Checks!

---

dec-084\_Po\_203m1.endf

---

- Passed All Checks!

---

dec-084\_Po\_204.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3221, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 3.61847E+04  SUM= 3.54889E+04          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 3.54889E+04  SUM= 3.61992E+04
```

---

dec-084\_Po\_205.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3222, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 2.12874E+03  SUM= 2.08800E+03          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 2.08800E+03  SUM= 2.12958E+03
```

---

dec-084\_Po\_205m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3223, MF= 8, MT=457
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-084\_Po\_205m2.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3224, MF= 8, MT=457
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-084\_Po\_206.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3225, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 2.90220E+05 SUM= 2.84692E+05 SEQUENCE NUMBER 3  
E.C. MULTIPLICITY SUMUP FAILURE  
WHOLE= 9.45500E-01 SUM= 9.07869E-01  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 2.84692E+05 SUM= 2.90333E+05

---

dec-084\_Po\_207.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3226, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 1.09499E+03 SUM= 1.07423E+03 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 1.07423E+03 SUM= 1.09542E+03

---

dec-084\_Po\_207m1.endf

---

- Passed All Checks!

---

dec-084\_Po\_208.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3228, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 5.21305E+06 SUM= 5.11469E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 5.11469E+06 SUM= 5.21506E+06

---

dec-084\_Po\_209.endf

---

- Passed All Checks!

---

dec-084\_Po\_210.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3230, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 5.40541E+06 SUM= 5.30438E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 5.30438E+06 SUM= 5.40745E+06

---

dec-084\_Po\_211.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3231, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 7.58358E+06  SUM= 7.44249E+06      SEQUENCE NUMBER  3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 7.44249E+06  SUM= 7.58641E+06
```

---

dec-084\_Po\_211m1.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3232, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 7.54186E+06  SUM= 7.40155E+06      SEQUENCE NUMBER  3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 7.40155E+06  SUM= 7.54467E+06
```

---

dec-084\_Po\_212.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3233, MF= 8, MT=457
  GAMMA RAY NEEDED, SOURCE MODE=    4      SEQUENCE NUMBER  8
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 8.95061E+06  SUM= 8.78486E+06      SEQUENCE NUMBER  3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 8.78486E+06  SUM= 8.95392E+06
```

---

dec-084\_Po\_212m1.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3234, MF= 8, MT=457
  SPI NOT IN RANGE 0.00000E+00 TO 1.60000E+01  SEQUENCE NUMBER  6
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 1.17743E+07  SUM= 1.15562E+07      SEQUENCE NUMBER  3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 1.15562E+07  SUM= 1.17786E+07
```



---

dec-084\_Po\_213.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3235, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 8.53357E+06  SUM= 8.37627E+06          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 8.37627E+06  SUM= 8.53669E+06
```

---

dec-084\_Po\_214.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3236, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 7.83041E+06  SUM= 7.68674E+06          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 7.68674E+06  SUM= 7.83325E+06
```

---

dec-084\_Po\_215.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3237, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 7.52523E+06  SUM= 7.38779E+06          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 7.38779E+06  SUM= 7.52793E+06
```

---

dec-084\_Po\_216.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3238, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 6.90381E+06  SUM= 6.77829E+06          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 6.77829E+06  SUM= 6.90626E+06
```

---

dec-084\_Po\_217.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3239, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-084\_Po\_218.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3240, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 6.11125E+06  SUM= 6.00114E+06           SEQUENCE NUMBER 3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 6.00114E+06  SUM= 6.11338E+06
```

---

dec-084\_Po\_219.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3241, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-084\_Po\_220.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3242, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-085\_At\_193.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3243, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-085\_At\_194.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3244, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-085\_At\_194m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3245, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3245, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-085\_At\_195.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3246, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-085\_At\_195m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3247, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3247, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-085\_At\_196.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3248, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-085\_At\_196m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3249, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-085\_At\_197.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3250, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-085\_At\_197m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3251, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-085\_At\_198.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3252, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-085\_At\_198m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3253, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-085\_At\_199.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3254, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-085\_At\_200.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3255, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-085\_At\_200m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3256, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-085\_At\_200m2.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3257, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-085\_At\_201.endf

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3258, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-085\_At\_202.endf

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3259, MF= 8, MT=457  
NEGATIVE SPIN NOT ALLOWED SEQUENCE NUMBER 4  
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL SEQUENCE NUMBER 4  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-085\_At\_202m1.endf

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3260, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3260, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-085\_At\_202m2.endf

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3261, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-085\_At\_203.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3262, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-085\_At\_204.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3263, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 2.37219E+05 SUM= 2.32657E+05 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 2.32657E+05 SUM= 2.37313E+05

---

dec-085\_At\_204m1.endf

---

• Passed All Checks!

---

dec-085\_At\_205.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3265, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 4.68525E+06 SUM= 4.05912E+06 SEQUENCE NUMBER 1  
PARTICLE ENERGY (AE) SUMUP FAILURE

...

---

dec-085\_At\_206.endf

---

• Passed All Checks!

---

dec-085\_At\_207.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3267, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 5.04757E+05 SUM= 4.95188E+05 SEQUENCE NUMBER 3  
E.C. MULTIPLICITY SUMUP FAILURE  
WHOLE= 9.14000E-01 SUM= 7.70900E-01  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 4.95188E+05 SUM= 5.04953E+05

---

dec-085\_At\_208.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3268, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 5.00513E+06 SUM= 4.60354E+06 SEQUENCE NUMBER 1  
E.C. MULTIPLICITY SUMUP FAILURE  
WHOLE= 9.94500E-01 SUM= 8.00322E-01

---

dec-085\_At\_209.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3269, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 2.35722E+05 SUM= 2.31296E+05 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 2.31296E+05 SUM= 2.35812E+05

---

dec-085\_At\_210.endf

---

• Passed All Checks!

---

dec-085\_At\_211.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3271, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 2.50024E+06 SUM= 2.45373E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 2.45373E+06 SUM= 2.50118E+06



---

dec-085\_At\_212.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3272, MF= 8, MT=457
  GAMMA RAY NEEDED, SOURCE MODE=    4           SEQUENCE NUMBER    8
  GAMMA RAY NEEDED, SOURCE MODE=    4           SEQUENCE NUMBER   10
  GAMMA RAY NEEDED, SOURCE MODE=    4           SEQUENCE NUMBER   12
```

...

---

dec-085\_At\_212m1.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3273, MF= 8, MT=457
  PARTICLE ENERGY (AE) SUMUP FAILURE
    WHOLE= 7.98225E+06  SUM= 7.83443E+06           SEQUENCE NUMBER    3
  ALPHA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 7.83443E+06  SUM= 7.98520E+06
```

---

dec-085\_At\_213.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3274, MF= 8, MT=457
  GAMMA RAY NEEDED, SOURCE MODE=    4           SEQUENCE NUMBER    8
  PARTICLE ENERGY (AE) SUMUP FAILURE
    WHOLE= 9.25052E+06  SUM= 9.08000E+06           SEQUENCE NUMBER    3
  ALPHA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 9.08000E+06  SUM= 9.25390E+06
```

---

dec-085\_At\_214.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3275, MF= 8, MT=457
  GAMMA RAY NEEDED, SOURCE MODE=    4           SEQUENCE NUMBER    8
  GAMMA RAY NEEDED, SOURCE MODE=    4           SEQUENCE NUMBER   10
  GAMMA RAY NEEDED, SOURCE MODE=    4           SEQUENCE NUMBER   12
```

...

---

dec-085\_At\_215.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3276, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 8.17511E+06  SUM= 8.02579E+06          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 8.02579E+06  SUM= 8.17804E+06
```

---

dec-085\_At\_216.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3277, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 7.95981E+06  SUM= 7.81508E+06          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 7.81508E+06  SUM= 7.96263E+06
```

---

dec-085\_At\_217.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3278, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 7.19373E+06  SUM= 7.06347E+06          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 7.06347E+06  SUM= 7.19620E+06
```

---

dec-085\_At\_218.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3279, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 6.80869E+06  SUM= 6.68602E+06          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 6.68602E+06  SUM= 6.81106E+06
```

---

dec-085\_At\_219.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3280, MF= 8, MT=457
  GAMMA RAY NEEDED, SOURCE MODE=      4          SEQUENCE NUMBER    13
  PARTICLE ENERGY (AE) SUMUP FAILURE
    WHOLE= 6.13175E+06  SUM= 6.02176E+06          SEQUENCE NUMBER    3
  ALPHA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 6.02176E+06  SUM= 6.13386E+06
```

---

dec-085\_At\_220.endf

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3281, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0          SEQUENCE NUMBER    4
  PARTICLE ENERGY (AE) SUMUP FAILURE
    WHOLE= 4.84084E+05  SUM= 4.75440E+05          SEQUENCE NUMBER    3
  ALPHA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 4.75440E+05  SUM= 4.84250E+05
```

---

dec-085\_At\_221.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3282, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-085\_At\_222.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3283, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-085\_At\_223.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3284, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-086\_Rn\_195.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3285, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-086\_Rn\_195m1.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3286, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-086\_Rn\_196.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3287, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 7.60211E+06 SUM= 7.45007E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 7.45007E+06 SUM= 7.60538E+06

---

dec-086\_Rn\_197.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3288, MF= 8, MT=457  
GAMMA RAY NEEDED, SOURCE MODE= 4 SEQUENCE NUMBER 8  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 7.40741E+06 SUM= 7.26000E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 7.26000E+06 SUM= 7.41056E+06

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3289, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3289, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

• **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3290, MF= 8, MT=457  
GAMMA RAY NEEDED, SOURCE MODE= 4 SEQUENCE NUMBER 8  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 7.30623E+06 SUM= 7.16155E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 7.16155E+06 SUM= 7.30931E+06

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3291, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3292, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-086\_Rn\_200.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3293, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-086\_Rn\_201.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3294, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-086\_Rn\_201m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3295, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3295, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-086\_Rn\_202.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3296, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-086\_Rn\_203.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3297, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-086\_Rn\_203m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3298, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-086\_Rn\_204.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3299, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-086\_Rn\_205.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3300, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-086\_Rn\_206.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3301, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-086\_Rn\_207.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3302, MF= 8, MT=457  
E.C. MULTIPLICITY SUMUP FAILURE  
WHOLE= 7.90000E-01 SUM= 6.83348E-01

---

dec-086\_Rn\_208.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3303, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-086\_Rn\_209.endf

---

• Passed All Checks!

---

dec-086\_Rn\_210.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3305, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 5.90979E+06 SUM= 5.79932E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 5.79932E+06 SUM= 5.91201E+06

---

dec-086\_Rn\_211.endf

---

• Passed All Checks!

---

dec-086\_Rn\_212.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3307, MF= 8, MT=457  
GAMMA RAY NEEDED, SOURCE MODE= 4 SEQUENCE NUMBER 8  
GAMMA RAY NEEDED, SOURCE MODE= 4 SEQUENCE NUMBER 10  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 6.38184E+06 SUM= 6.26366E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 6.26366E+06 SUM= 6.38420E+06



---

dec-086\_Rn\_213.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3308, MF= 8, MT=457
  GAMMA RAY NEEDED, SOURCE MODE=    4          SEQUENCE NUMBER    8
  GAMMA RAY NEEDED, SOURCE MODE=    4          SEQUENCE NUMBER   10
  PARTICLE ENERGY (AE) SUMUP FAILURE
    WHOLE= 8.23444E+06  SUM= 8.08265E+06          SEQUENCE NUMBER    3
  ALPHA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 8.08265E+06  SUM= 8.23745E+06
```

---

dec-086\_Rn\_214.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3309, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-086\_Rn\_215.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3310, MF= 8, MT=457
  GAMMA RAY NEEDED, SOURCE MODE=    4          SEQUENCE NUMBER    8
  PARTICLE ENERGY (AE) SUMUP FAILURE
    WHOLE= 8.83538E+06  SUM= 8.67400E+06          SEQUENCE NUMBER    3
  ALPHA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 8.67400E+06  SUM= 8.83855E+06
```

---

dec-086\_Rn\_216.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3311, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-086\_Rn\_217.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3312, MF= 8, MT=457
  GAMMA RAY NEEDED, SOURCE MODE=      4           SEQUENCE NUMBER      8
  PARTICLE ENERGY (AE) SUMUP FAILURE
    WHOLE= 7.88369E+06  SUM= 7.74100E+06           SEQUENCE NUMBER      3
  ALPHA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 7.74100E+06  SUM= 7.88646E+06
```

---

dec-086\_Rn\_218.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3313, MF= 8, MT=457
  PARTICLE ENERGY (AE) SUMUP FAILURE
    WHOLE= 7.25902E+06  SUM= 7.12823E+06           SEQUENCE NUMBER      3
  ALPHA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 7.12823E+06  SUM= 7.26155E+06
```

---

dec-086\_Rn\_219.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3314, MF= 8, MT=457
  PARTICLE ENERGY (AE) SUMUP FAILURE
    WHOLE= 6.87800E+06  SUM= 6.75462E+06           SEQUENCE NUMBER      3
```

---

dec-086\_Rn\_220.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3315, MF= 8, MT=457
  PARTICLE ENERGY (AE) SUMUP FAILURE
    WHOLE= 6.40178E+06  SUM= 6.28746E+06           SEQUENCE NUMBER      3
  ALPHA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 6.28746E+06  SUM= 6.40397E+06
```

---

dec-086\_Rn\_221.endf

---

- Passed All Checks!

---

dec-086\_Rn\_222.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3317, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 5.58790E+06  SUM= 5.48900E+06          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 5.48900E+06  SUM= 5.58978E+06
```

---

dec-086\_Rn\_223.endf

---

- Passed All Checks!

---

dec-086\_Rn\_224.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3319, MF= 8, MT=457
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-086\_Rn\_225.endf

---

- Passed All Checks!

---

dec-086\_Rn\_226.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3321, MF= 8, MT=457
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-086\_Rn\_227.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3322, MF= 8, MT=457
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-086\_Rn\_228.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3323, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-087\_Fr\_199.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3324, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-087\_Fr\_200.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3325, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-087\_Fr\_201.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3326, MF= 8, MT=457  
GAMMA RAY NEEDED, SOURCE MODE= 4 SEQUENCE NUMBER 8  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 7.50749E+06 SUM= 7.36100E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 7.36100E+06 SUM= 7.51056E+06

---

dec-087\_Fr\_202.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3327, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-087\_Fr\_202m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3328, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3328, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-087\_Fr\_203.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3329, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-087\_Fr\_204.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3330, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-087\_Fr\_204m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3331, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-087\_Fr\_204m2.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3332, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-087\_Fr\_205.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3333, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-087\_Fr\_206.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3334, MF= 8, MT=457  
NEGATIVE SPIN NOT ALLOWED SEQUENCE NUMBER 4  
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL SEQUENCE NUMBER 4  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-087\_Fr\_206m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3335, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3335, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-087\_Fr\_206m2.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3336, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-087\_Fr\_207.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3337, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-087\_Fr\_208.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3338, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 6.02415E+06 SUM= 5.91049E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 5.91049E+06 SUM= 6.02646E+06

---

dec-087\_Fr\_209.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3339, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-087\_Fr\_210.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3340, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-087\_Fr\_211.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3341, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-087\_Fr\_212.endf

---

• Passed All Checks!

---

dec-087\_Fr\_213.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3343, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-087\_Fr\_214.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3344, MF= 8, MT=457  
GAMMA RAY NEEDED, SOURCE MODE= 4 SEQUENCE NUMBER 8  
GAMMA RAY NEEDED, SOURCE MODE= 4 SEQUENCE NUMBER 10  
GAMMA RAY NEEDED, SOURCE MODE= 4 SEQUENCE NUMBER 12  
...

---

dec-087\_Fr\_214m1.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3345, MF= 8, MT=457  
GAMMA RAY NEEDED, SOURCE MODE= 4 SEQUENCE NUMBER 8  
GAMMA RAY NEEDED, SOURCE MODE= 4 SEQUENCE NUMBER 10  
GAMMA RAY NEEDED, SOURCE MODE= 4 SEQUENCE NUMBER 12  
...



---

dec-087\_Fr\_215.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3346, MF= 8, MT=457
  GAMMA RAY NEEDED, SOURCE MODE=    4           SEQUENCE NUMBER    8
  PARTICLE ENERGY (AE) SUMUP FAILURE
    WHOLE= 9.53414E+06  SUM= 9.36000E+06       SEQUENCE NUMBER    3
  ALPHA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 9.36000E+06  SUM= 9.53756E+06
```

---

dec-087\_Fr\_216.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3347, MF= 8, MT=457
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 9.17400E+06  SUM= 8.77960E+06       SEQUENCE NUMBER    1
  PARTICLE ENERGY (AE) SUMUP FAILURE
  ...
```

---

dec-087\_Fr\_217.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3348, MF= 8, MT=457
  PARTICLE ENERGY (AE) SUMUP FAILURE
    WHOLE= 8.46827E+06  SUM= 8.31500E+06       SEQUENCE NUMBER    3
  ALPHA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 8.31500E+06  SUM= 8.47125E+06
```

---

dec-087\_Fr\_218.endf

---

- Passed All Checks!

---

dec-087\_Fr\_218m1.endf

---

- fizcon Errors:

1. At least one gamma ray needed for given source mode

```
ERROR(S) FOUND IN MAT=3350, MF= 8, MT=457
  GAMMA RAY NEEDED, SOURCE MODE=    4           SEQUENCE NUMBER    8
  GAMMA RAY NEEDED, SOURCE MODE=    4           SEQUENCE NUMBER   10
  GAMMA RAY NEEDED, SOURCE MODE=    4           SEQUENCE NUMBER   12
```

...

---

dec-087\_Fr\_219.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3351, MF= 8, MT=457
  PARTICLE ENERGY (AE) SUMUP FAILURE
    WHOLE= 7.44052E+06  SUM= 7.30705E+06           SEQUENCE NUMBER    3
  ALPHA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 7.30705E+06  SUM= 7.44308E+06
```

---

dec-087\_Fr\_220.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3352, MF= 8, MT=457
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 6.78113E+06  SUM= 6.67838E+06           SEQUENCE NUMBER    1
  PARTICLE ENERGY (AE) SUMUP FAILURE
```

...

---

dec-087\_Fr\_221.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3353, MF= 8, MT=457
  PARTICLE ENERGY (AE) SUMUP FAILURE
    WHOLE= 6.47135E+06  SUM= 6.35630E+06           SEQUENCE NUMBER    3
  ALPHA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 6.35630E+06  SUM= 6.47354E+06
```

---

dec-087\_Fr\_222.endf

---

• Passed All Checks!

---

dec-087\_Fr\_223.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3355, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 3.33598E+02  SUM= 3.27720E+02      SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 3.27720E+02  SUM= 3.33709E+02
```

---

dec-087\_Fr\_224.endf

- Passed All Checks!

---

dec-087\_Fr\_225.endf

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3357, MF= 8, MT=457
NO DECAY SPECTRA GIVEN      SEQUENCE NUMBER    5
```

---

dec-087\_Fr\_226.endf

- Passed All Checks!

---

dec-087\_Fr\_227.endf

- Passed All Checks!

---

dec-087\_Fr\_228.endf

- Passed All Checks!

---

dec-087\_Fr\_229.endf

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3361, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 3.26000E+06  SUM= 3.00553E+06      SEQUENCE NUMBER    1
BETA MULTIPLICITY SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 9.23800E-01
```

---

dec-087\_Fr\_230.endf

- Passed All Checks!

---

dec-087\_Fr\_231.endf

- Passed All Checks!

---

dec-087\_Fr\_232.endf

---

- Passed All Checks!

---

dec-088\_Ra\_202.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=3365, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5

```

---

dec-088\_Ra\_203.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=3366, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
WHOLE= 7.73854E+06  SUM= 7.58900E+06           SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
WHOLE= 7.58900E+06  SUM= 7.74164E+06

```

---

dec-088\_Ra\_203m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=3367, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5

```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```

ERROR(S) FOUND IN MAT=3367, MF= 1, MT=451
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE     SEQUENCE NUMBER    2

```

---

dec-088\_Ra\_204.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3368, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-088\_Ra\_205.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3369, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-088\_Ra\_205m1.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3370, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3370, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-088\_Ra\_206.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3371, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-088\_Ra\_207.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3372, MF= 8, MT=457		
NEGATIVE SPIN NOT ALLOWED	SEQUENCE NUMBER	4
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL	SEQUENCE NUMBER	4
PARITY= 0.00000E+00 NOT +1.0 OR -1.0	SEQUENCE NUMBER	4
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	6

---

dec-088\_Ra\_207m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3373, MF= 8, MT=457		
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	7

---

dec-088\_Ra\_208.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3374, MF= 8, MT=457		
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	6

---

dec-088\_Ra\_209.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3375, MF= 8, MT=457		
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	6

---

dec-088\_Ra\_210.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3376, MF= 8, MT=457		
NO DECAY SPECTRA GIVEN	SEQUENCE NUMBER	6

---

dec-088\_Ra\_211.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3377, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-088\_Ra\_212.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3378, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-088\_Ra\_213.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3379, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-088\_Ra\_213m1.endf

---

- Passed All Checks!

---

dec-088\_Ra\_214.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3381, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 7.26483E+06 SUM= 7.13153E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 7.13153E+06 SUM= 7.26745E+06

---

dec-088\_Ra\_215.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=3382, MF= 8, MT=457
  GAMMA RAY NEEDED, SOURCE MODE=    4          SEQUENCE NUMBER    8
  GAMMA RAY NEEDED, SOURCE MODE=    4          SEQUENCE NUMBER   10
  PARTICLE ENERGY (AE) SUMUP FAILURE
    WHOLE= 8.83153E+06  SUM= 8.67022E+06          SEQUENCE NUMBER    3

```

---

dec-088\_Ra\_216.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=3383, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    6

```

---

dec-088\_Ra\_217.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=3384, MF= 8, MT=457
  GAMMA RAY NEEDED, SOURCE MODE=    4          SEQUENCE NUMBER    8
  PARTICLE ENERGY (AE) SUMUP FAILURE
    WHOLE= 9.15775E+06  SUM= 8.99200E+06          SEQUENCE NUMBER    3
  ALPHA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 8.99200E+06  SUM= 9.16097E+06

```

---

dec-088\_Ra\_218.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=3385, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5

```

---

dec-088\_Ra\_219.endf

---

- Passed All Checks!

---

dec-088\_Ra\_220.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!



ERROR(S) FOUND IN MAT=3387, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 7.58391E+06 SUM= 7.44848E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 7.44848E+06 SUM= 7.58650E+06

---

dec-088\_Ra\_221.endf

---

- Passed All Checks!

---

dec-088\_Ra\_222.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3389, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 6.66470E+06 SUM= 6.54674E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 6.54674E+06 SUM= 6.66694E+06

---

dec-088\_Ra\_223.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3390, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 5.76689E+06 SUM= 5.66527E+06 SEQUENCE NUMBER 3

---

dec-088\_Ra\_224.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3391, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 5.77447E+06 SUM= 5.67316E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 5.67316E+06 SUM= 5.77637E+06

---

dec-088\_Ra\_225.endf

---

- Passed All Checks!

---

dec-088\_Ra\_226.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3393, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 4.85900E+06  SUM= 4.77450E+06          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 4.77450E+06  SUM= 4.86057E+06
```

---

dec-088\_Ra\_227.endif

---

- Passed All Checks!

---

dec-088\_Ra\_228.endif

---

- **fizcon** Non-errors:

1. FIZCON apparently has a bug in its calculation of log(FT) values that causes it to have trouble with nearly stable nuclei

```
ERROR(S) FOUND IN MAT=3395, MF= 8, MT=457

ERROR CALCULATING BETA SPECTRUM INTEGRAL
FT VALUE TOO SMALL          SEQUENCE NUMBER    31
  FT= 0.00000E+00  E= 1.27300E+04  I= 9          SEQUENCE NUMBER    31
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 4.58000E+04  SUM= 3.20142E+04          SEQUENCE NUMBER    1
```

---

dec-088\_Ra\_229.endif

---

- Passed All Checks!

---

dec-088\_Ra\_230.endif

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3397, MF= 8, MT=457
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-088\_Ra\_231.endif

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3398, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-088\_Ra\_232.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3399, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-088\_Ra\_233.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3400, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-088\_Ra\_234.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3401, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-089\_Ac\_206.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3402, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-089\_Ac\_206m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3403, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3403, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-089\_Ac\_207.endf

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3404, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 7.84166E+06 SUM= 7.69300E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 7.69300E+06 SUM= 7.84468E+06

---

dec-089\_Ac\_208.endf

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3405, MF= 8, MT=457  
GAMMA RAY NEEDED, SOURCE MODE= 4 SEQUENCE NUMBER 8  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 7.64044E+06 SUM= 7.49628E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 7.49628E+06 SUM= 7.64336E+06

---

dec-089\_Ac\_208m1.endf

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3406, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-089\_Ac\_209.endf

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3407, MF= 8, MT=457
  GAMMA RAY NEEDED, SOURCE MODE=    4           SEQUENCE NUMBER    8
  PARTICLE ENERGY (AE) SUMUP FAILURE
    WHOLE= 7.72201E+06  SUM= 7.57700E+06       SEQUENCE NUMBER    3
  ALPHA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 7.57700E+06  SUM= 7.72493E+06
```

---

dec-089\_Ac\_210.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3408, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN           SEQUENCE NUMBER    6
```

---

dec-089\_Ac\_211.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3409, MF= 8, MT=457
  PARTICLE ENERGY (AE) SUMUP FAILURE
    WHOLE= 7.61874E+06  SUM= 7.47700E+06       SEQUENCE NUMBER    3
  ALPHA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 7.47700E+06  SUM= 7.62157E+06
```

---

dec-089\_Ac\_212.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3410, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN           SEQUENCE NUMBER    6
```

---

dec-089\_Ac\_213.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=3411, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 7.50229E+06  SUM= 7.36400E+06          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 7.36400E+06  SUM= 7.50503E+06

```

---

dec-089\_Ac\_214.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=3412, MF= 8, MT=457
NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    6

```

---

dec-089\_Ac\_215.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=3413, MF= 8, MT=457
GAMMA RAY NEEDED, SOURCE MODE=    4          SEQUENCE NUMBER    13
GAMMA RAY NEEDED, SOURCE MODE=    4          SEQUENCE NUMBER    15
GAMMA RAY NEEDED, SOURCE MODE=    4          SEQUENCE NUMBER    17
...

```

---

dec-089\_Ac\_216.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=3414, MF= 8, MT=457
GAMMA RAY NEEDED, SOURCE MODE=    4          SEQUENCE NUMBER    8
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 9.22452E+06  SUM= 9.05680E+06          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 9.05680E+06  SUM= 9.22779E+06

```

---

dec-089\_Ac\_216m1.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=3415, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 9.28200E+06  SUM= 9.21945E+06          SEQUENCE NUMBER    1
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 9.20024E+06  SUM= 9.03297E+06          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 9.03297E+06  SUM= 9.20351E+06

```

---

dec-089\_Ac\_217.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=3416, MF= 8, MT=457
GAMMA RAY NEEDED, SOURCE MODE=    4          SEQUENCE NUMBER    8
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 9.82788E+06  SUM= 9.65000E+06          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 9.65000E+06  SUM= 9.83133E+06

```

---

dec-089\_Ac\_218.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=3417, MF= 8, MT=457
GAMMA RAY NEEDED, SOURCE MODE=    4          SEQUENCE NUMBER    8
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 9.37390E+06  SUM= 9.20500E+06          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 9.20500E+06  SUM= 9.37716E+06

```

---

dec-089\_Ac\_219.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=3418, MF= 8, MT=457
GAMMA RAY NEEDED, SOURCE MODE=    4          SEQUENCE NUMBER    8
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 8.82225E+06  SUM= 8.66400E+06          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 8.66400E+06  SUM= 8.82529E+06

```

---

dec-089\_Ac\_220.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3419, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 8.34800E+06  SUM= 8.19762E+06          SEQUENCE NUMBER    1
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 7.95223E+06  SUM= 7.81023E+06          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 7.81023E+06  SUM= 7.95495E+06
```

---

dec-089\_Ac\_221.endf

---

• **fizcon** Errors:

1. At least one gamma ray needed for given source mode

```
ERROR(S) FOUND IN MAT=3420, MF= 8, MT=457
  GAMMA RAY NEEDED, SOURCE MODE=    4          SEQUENCE NUMBER    8
  GAMMA RAY NEEDED, SOURCE MODE=    4          SEQUENCE NUMBER   10
  GAMMA RAY NEEDED, SOURCE MODE=    4          SEQUENCE NUMBER   12
```

---

dec-089\_Ac\_222.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3421, MF= 8, MT=457
  GAMMA RAY NEEDED, SOURCE MODE=    4          SEQUENCE NUMBER   13
  GAMMA RAY NEEDED, SOURCE MODE=    4          SEQUENCE NUMBER   15
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 7.06078E+06  SUM= 6.93581E+06          SEQUENCE NUMBER    3
```

---

dec-089\_Ac\_222m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3422, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    7
```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress



ERROR(S) FOUND IN MAT=3422, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-089\_Ac\_223.endf

---

- Passed All Checks!

---

dec-089\_Ac\_224.endf

---

- Passed All Checks!

---

dec-089\_Ac\_225.endf

---

- Passed All Checks!

---

dec-089\_Ac\_226.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3426, MF= 8, MT=457  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 3.29673E+02 SUM= 3.23940E+02 SEQUENCE NUMBER 3  
...

---

dec-089\_Ac\_227.endf

---

- fizcon Non-errors:

1. FIZCON apparently has a bug in its calculation of log(FT) values that causes it to have trouble with nearly stable nuclei

ERROR(S) FOUND IN MAT=3427, MF= 8, MT=457  
  
ERROR CALCULATING BETA SPECTRUM INTEGRAL  
FT VALUE TOO SMALL SEQUENCE NUMBER 195  
FT= 0.00000E+00 E= 6.90000E+03 I= 68 SEQUENCE NUMBER 195

---

dec-089\_Ac\_228.endf

---

- Passed All Checks!

---

dec-089\_Ac\_229.endf

---

- Passed All Checks!

---

dec-089\_Ac\_230.endf

---

- Passed All Checks!

---

dec-089\_Ac\_231.endf

---

- Passed All Checks!

---

dec-089\_Ac\_232.endf

---

- Passed All Checks!

---

dec-089\_Ac\_233.endf

---

- Passed All Checks!

---

dec-089\_Ac\_234.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3434, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-089\_Ac\_235.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3435, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-089\_Ac\_236.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3436, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-090\_Th\_209.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3437, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-090\_Th\_210.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3438, MF= 8, MT=457
  GAMMA RAY NEEDED, SOURCE MODE=      4           SEQUENCE NUMBER      8
  PARTICLE ENERGY (AE) SUMUP FAILURE
    WHOLE= 8.04946E+06  SUM= 7.89900E+06           SEQUENCE NUMBER      3
  ALPHA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 7.89900E+06  SUM= 8.05247E+06
```

---

dec-090\_Th\_211.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3439, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN           SEQUENCE NUMBER      5
```

---

dec-090\_Th\_212.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3440, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN           SEQUENCE NUMBER      6
```

---

dec-090\_Th\_213.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3441, MF= 8, MT=457
  PARTICLE ENERGY (AE) SUMUP FAILURE
    WHOLE= 7.83645E+06  SUM= 7.69200E+06           SEQUENCE NUMBER      3
  ALPHA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 7.69200E+06  SUM= 7.83930E+06
```

---

dec-090\_Th\_214.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=3442, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5

```

---

dec-090\_Th\_215.endf

---

- Passed All Checks!

---

dec-090\_Th\_216.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=3444, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 8.06529E+06  SUM= 7.91865E+06          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 7.91865E+06  SUM= 8.06815E+06

```

---

dec-090\_Th\_217.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=3445, MF= 8, MT=457
GAMMA RAY NEEDED, SOURCE MODE=    4          SEQUENCE NUMBER    8
GAMMA RAY NEEDED, SOURCE MODE=    4          SEQUENCE NUMBER   10
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 9.39363E+06  SUM= 9.22361E+06          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 9.22361E+06  SUM= 9.39693E+06

```

---

dec-090\_Th\_218.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=3446, MF= 8, MT=457
GAMMA RAY NEEDED, SOURCE MODE=    4          SEQUENCE NUMBER    8
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 9.84336E+06  SUM= 9.66600E+06          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 9.66600E+06  SUM= 9.84678E+06

```

---

dec-090\_Th\_219.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3447, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 9.51059E+06  SUM= 9.34000E+06      SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 9.34000E+06  SUM= 9.51387E+06
```

---

dec-090\_Th\_220.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3448, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                      SEQUENCE NUMBER    6
```

---

dec-090\_Th\_221.endf

---

• Passed All Checks!

---

dec-090\_Th\_222.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3450, MF= 8, MT=457
GAMMA RAY NEEDED, SOURCE MODE=    4      SEQUENCE NUMBER    8
GAMMA RAY NEEDED, SOURCE MODE=    4      SEQUENCE NUMBER   10
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 8.11486E+06  SUM= 7.97124E+06      SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 7.97124E+06  SUM= 8.11758E+06
```

---

dec-090\_Th\_223.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3451, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 7.44853E+06  SUM= 7.31728E+06      SEQUENCE NUMBER    3
ALPHA MULTIPLICITY SUMUP FAILURE
```

WHOLE= 1.00000E+00 SUM= 1.00450E+00  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 7.31728E+06 SUM= 7.45100E+06

---

dec-090\_Th\_224.endf

---

- Passed All Checks!

---

dec-090\_Th\_225.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3453, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-090\_Th\_226.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3454, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 6.41785E+06 SUM= 6.30624E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 6.30624E+06 SUM= 6.41993E+06

---

dec-090\_Th\_227.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3455, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 6.00512E+06 SUM= 5.90113E+06 SEQUENCE NUMBER 3

---

dec-090\_Th\_228.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3456, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 5.49848E+06 SUM= 5.40368E+06 SEQUENCE NUMBER 3

---

dec-090\_Th\_229.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3457, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
WHOLE= 5.00546E+06 SUM= 4.91952E+06 SEQUENCE NUMBER 3
```

---

dec-090\_Th\_230.endf

---

- **checkr** Errors:

1. STYPE out of order

```
ERROR(S) FOUND IN MAT=3458, MF= 8, MT=457
STYPE 5.0 OUT OF ORDER SEQUENCE NUMBER 64
```

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3458, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
WHOLE= 4.74524E+06 SUM= 4.66413E+06 SEQUENCE NUMBER 3
ALPHA AVERAGE ENERGY SUMUP FAILURE
WHOLE= 4.66413E+06 SUM= 4.74672E+06
NEUTRON MULTIPLICITY SUMUP FAILURE
WHOLE= 0.00000E+00 SUM= 1.00000E+00
```

---

dec-090\_Th\_231.endf

---

- Passed All Checks!

---

dec-090\_Th\_232.endf

---

- **checkr** Errors:

1. STYPE out of order

```
ERROR(S) FOUND IN MAT=3460, MF= 8, MT=457
STYPE 5.0 OUT OF ORDER SEQUENCE NUMBER 25
```

- **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3460, MF= 8, MT=457  
NEUTRON MULTIPLICITY SUMUP FAILURE  
WHOLE= 0.00000E+00 SUM= 1.00000E+00  
NEUTRON AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 3.72260E-05 SUM= 2.27359E-03

---

dec-090\_Th\_233.endf

---

- Passed All Checks!

---

dec-090\_Th\_234.endf

---

- Passed All Checks!

---

dec-090\_Th\_235.endf

---

- Passed All Checks!

---

dec-090\_Th\_236.endf

---

- Passed All Checks!

---

dec-090\_Th\_237.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3465, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-090\_Th\_238.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3466, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-091\_Pa\_212.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3467, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5



---

dec-091\_Pa\_213.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3468, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-091\_Pa\_214.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3469, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-091\_Pa\_215.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3470, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 5
```

---

dec-091\_Pa\_216.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3471, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 6
```

---

dec-091\_Pa\_217.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3472, MF= 8, MT=457
GAMMA RAY NEEDED, SOURCE MODE= 4           SEQUENCE NUMBER 8
GAMMA RAY NEEDED, SOURCE MODE= 4           SEQUENCE NUMBER 10
GAMMA RAY NEEDED, SOURCE MODE= 4           SEQUENCE NUMBER 12
```

...

---

dec-091\_Pa\_217m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3473, MF= 8, MT=457
NEGATIVE SPIN NOT ALLOWED                SEQUENCE NUMBER    4
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL SEQUENCE NUMBER    4
PARITY= 0.00000E+00 NOT +1.0 OR -1.0    SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                   SEQUENCE NUMBER    6
```

---

dec-091\_Pa\_218.endf

---

- **fizcon** Errors:

1. At least one gamma ray needed for given source mode

```
ERROR(S) FOUND IN MAT=3474, MF= 8, MT=457
GAMMA RAY NEEDED, SOURCE MODE=          4          SEQUENCE NUMBER    8
GAMMA RAY NEEDED, SOURCE MODE=          4          SEQUENCE NUMBER   10
```

---

dec-091\_Pa\_219.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3475, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
WHOLE= 1.00808E+07  SUM= 9.90000E+06          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
WHOLE= 9.90000E+06  SUM= 1.00843E+07
```

---

dec-091\_Pa\_220.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3476, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                   SEQUENCE NUMBER    6
```

---

dec-091\_Pa\_221.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=3477, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5

```

---

dec-091\_Pa\_222.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=3478, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER 5

```

---

dec-091\_Pa\_223.endf

---

- **fizcon** Errors:

1. At least one gamma ray needed for given source mode

```

ERROR(S) FOUND IN MAT=3479, MF= 8, MT=457
GAMMA RAY NEEDED, SOURCE MODE=      4                SEQUENCE NUMBER 8
GAMMA RAY NEEDED, SOURCE MODE=      4                SEQUENCE NUMBER 10

```

---

dec-091\_Pa\_224.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```

ERROR(S) FOUND IN MAT=3480, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
  WHOLE= 7.69400E+06  SUM= 7.91264E+06                SEQUENCE NUMBER 1
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 7.81970E+06  SUM= 7.68251E+06                SEQUENCE NUMBER 3
ALPHA MULTIPLICITY SUMUP FAILURE
  WHOLE= 1.00000E+00  SUM= 1.02925E+00

```

---

dec-091\_Pa\_225.endf

---

- **fizcon** Errors:

1. At least one gamma ray needed for given source mode

```

ERROR(S) FOUND IN MAT=3481, MF= 8, MT=457
GAMMA RAY NEEDED, SOURCE MODE=      4                SEQUENCE NUMBER 8
GAMMA RAY NEEDED, SOURCE MODE=      4                SEQUENCE NUMBER 10

```

---

dec-091\_Pa\_226.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3482, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

---

dec-091\_Pa\_227.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3483, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

---

dec-091\_Pa\_228.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3484, MF= 8, MT=457
TOO MANY DISCRETE SPECTRA FOR CODE TO PROCESS      SEQUENCE NUMBER    957
TOO MANY DISCRETE SPECTRA FOR CODE TO PROCESS      SEQUENCE NUMBER   3359
ELECTRON AVERAGE ENERGY SUMUP FAILURE
WHOLE= 1.02504E+05  SUM= 9.20903E+04
```

---

dec-091\_Pa\_229.endf

---

- Passed All Checks!

---

dec-091\_Pa\_230.endf

---

- Passed All Checks!

---

dec-091\_Pa\_231.endf

---

- **checkr** Errors:

1. STYPE out of order

```
ERROR(S) FOUND IN MAT=3487, MF= 8, MT=457
STYPE 5.0 OUT OF ORDER                               SEQUENCE NUMBER   266
```

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3487, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 5.14990E+06 SUM= 5.08158E+06 SEQUENCE NUMBER 1
PARTICLE ENERGY (AE) SUMUP FAILURE
```

...

---

dec-091\_Pa\_232.endf

---

- Passed All Checks!

---

dec-091\_Pa\_233.endf

---

- Passed All Checks!

---

dec-091\_Pa\_234.endf

---

- Passed All Checks!

---

dec-091\_Pa\_234m1.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3491, MF= 8, MT=457
BETA AVERAGE ENERGY SUMUP FAILURE
WHOLE= 8.12090E+05 SUM= 8.08552E+05
```

---

dec-091\_Pa\_235.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3492, MF= 8, MT=457
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5
```

---

dec-091\_Pa\_236.endf

---

- Passed All Checks!

---

dec-091\_Pa\_237.endf

---

- Passed All Checks!

---

dec-091\_Pa\_238.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3495, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-091\_Pa\_239.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3496, MF= 8, MT=457  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-091\_Pa\_240.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3497, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-092\_U\_217.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3498, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-092\_U\_218.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3499, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-092\_U\_219.endf

---

- **fizcon Errors:**

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3500, MF= 8, MT=457
  GAMMA RAY NEEDED, SOURCE MODE=      4          SEQUENCE NUMBER    8
  TOTAL ENERGY RELEASE SUMUP FAILURE
    WHOLE= 9.96000E+06  SUM= 9.86019E+06          SEQUENCE NUMBER    1
  ...
```

---

dec-092\_U\_220.endf

---

- **fizcon Non-errors:**

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3501, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    6
```

---

dec-092\_U\_222.endf

---

- **fizcon Non-errors:**

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3502, MF= 8, MT=457
  NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER    5
```

---

dec-092\_U\_223.endf

---

- **fizcon Errors:**

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3503, MF= 8, MT=457
  PARTICLE ENERGY (AE) SUMUP FAILURE
    WHOLE= 8.93749E+06  SUM= 8.78000E+06          SEQUENCE NUMBER    3
  ALPHA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 8.78000E+06  SUM= 8.94045E+06
```

---

dec-092\_U\_224.endf

---

- **fizcon Non-errors:**

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3504, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 5

---

dec-092\_U\_225.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3505, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 5

---

dec-092\_U\_226.endf

---

- Passed All Checks!

---

dec-092\_U\_227.endf

---

- Passed All Checks!

---

dec-092\_U\_228.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3508, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 6

---

dec-092\_U\_229.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3509, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 6

---

dec-092\_U\_230.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!



ERROR(S) FOUND IN MAT=3510, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 5.96939E+06 SUM= 5.86735E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 5.86735E+06 SUM= 5.97125E+06

---

dec-092\_U\_231.endf

---

- Passed All Checks!

---

dec-092\_U\_232.endf

---

- checkr Errors:

1. STYPE out of order

ERROR(S) FOUND IN MAT=3512, MF= 8, MT=457  
STYPE 5.0 OUT OF ORDER SEQUENCE NUMBER 73

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3512, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 5.39340E+06 SUM= 5.30199E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE

...

---

dec-092\_U\_233.endf

---

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3513, MF= 8, MT=457  
TOO MANY DISCRETE SPECTRA FOR CODE TO PROCESS SEQUENCE NUMBER 601  
TOO MANY DISCRETE SPECTRA FOR CODE TO PROCESS SEQUENCE NUMBER 2281  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 4.88835E+06 SUM= 4.80585E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 4.80585E+06 SUM= 4.88983E+06

---

dec-092\_U\_234.endf

---

- checkr Errors:

1. STYPE out of order

ERROR(S) FOUND IN MAT=3514, MF= 8, MT=457  
STYPE 5.0 OUT OF ORDER SEQUENCE NUMBER 49

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3514, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 4.84078E+06 SUM= 4.75943E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE

...

---

dec-092\_U\_235.endf

• checkr Errors:

1. STYPE out of order

ERROR(S) FOUND IN MAT=3515, MF= 8, MT=457  
STYPE 5.0 OUT OF ORDER SEQUENCE NUMBER 204

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3515, MF= 8, MT=457  
NEUTRON MULTIPLICITY SUMUP FAILURE  
WHOLE= 0.00000E+00 SUM= 1.00000E+00  
NEUTRON AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 2.48544E-04 SUM= 1.21969E-02

---

dec-092\_U\_235m1.endf

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3516, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 7.65000E+01 SUM= 5.68000E+01 SEQUENCE NUMBER 1

---

dec-092\_U\_236.endf

• checkr Errors:

1. STYPE out of order

ERROR(S) FOUND IN MAT=3517, MF= 8, MT=457  
STYPE 5.0 OUT OF ORDER

SEQUENCE NUMBER 30

- **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3517, MF= 8, MT=457  
NEUTRON MULTIPLICITY SUMUP FAILURE  
WHOLE= 0.00000E+00 SUM= 1.00000E+00  
NEUTRON AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 3.16710E-03 SUM= 1.51739E-01

---

dec-092\_U\_237.endf

- Passed All Checks!

---

dec-092\_U\_238.endf

- **checkr** Errors:

1. STYPE out of order

ERROR(S) FOUND IN MAT=3519, MF= 8, MT=457  
STYPE 5.0 OUT OF ORDER

SEQUENCE NUMBER 25

- **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3519, MF= 8, MT=457  
NEUTRON MULTIPLICITY SUMUP FAILURE  
WHOLE= 0.00000E+00 SUM= 1.00000E+00  
NEUTRON AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 2.04313E+00 SUM= 9.09647E+01

---

dec-092\_U\_239.endf

- Passed All Checks!

---

dec-092\_U\_240.endf

- Passed All Checks!

---

dec-092\_U\_241.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3522, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-092\_U\_242.endf

---

- Passed All Checks!

---

dec-093\_Np\_225.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3524, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-093\_Np\_226.endf

---

- **fizcon** Errors:

1. At least one gamma ray needed for given source mode

ERROR(S) FOUND IN MAT=3525, MF= 8, MT=457  
GAMMA RAY NEEDED, SOURCE MODE= 4 SEQUENCE NUMBER 8

---

dec-093\_Np\_227.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3526, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-093\_Np\_228.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3527, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-093\_Np\_229.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3528, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 6
```

---

dec-093\_Np\_230.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3529, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 6
```

---

dec-093\_Np\_231.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3530, MF= 8, MT=457
  PARITY= 0.00000E+00 NOT +1.0 OR -1.0             SEQUENCE NUMBER 4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER 6
```

---

dec-093\_Np\_232.endf

---

- fizcon Errors:

1. Beta spectrum integral too small

```
ERROR(S) FOUND IN MAT=3531, MF= 8, MT=457
  FT VALUE TOO SMALL                               SEQUENCE NUMBER 71
  FT= 5.59647E+01 E= 1.55570E+06 I= 24           SEQUENCE NUMBER 71
```

---

dec-093\_Np\_233.endf

---

- Passed All Checks!

---

dec-093\_Np\_234.endf

---

- Passed All Checks!

---

dec-093\_Np\_235.endf

---

- Passed All Checks!

---

dec-093\_Np\_236.endf

---

- Passed All Checks!

\_\_\_\_\_dec-093\_Np\_236m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-093\_Np\_237.endf\_\_\_\_\_

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3537, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
      WHOLE= 4.86639E+06  SUM= 4.78562E+06          SEQUENCE NUMBER      3
```

\_\_\_\_\_dec-093\_Np\_238.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-093\_Np\_239.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-093\_Np\_240.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-093\_Np\_240m1.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-093\_Np\_241.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-093\_Np\_242.endf\_\_\_\_\_

- Passed All Checks!

\_\_\_\_\_dec-093\_Np\_242m1.endf\_\_\_\_\_

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3544, MF= 8, MT=457
      NO DECAY SPECTRA GIVEN          SEQUENCE NUMBER      5
```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3544, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-093\_Np\_243.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3545, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-093\_Np\_244.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3546, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-094\_Pu\_228.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3547, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-094\_Pu\_229.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3548, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-094\_Pu\_230.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3549, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-094\_Pu\_231.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3550, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-094\_Pu\_232.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3551, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-094\_Pu\_233.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3552, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-094\_Pu\_234.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3553, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-094\_Pu\_235.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.



ERROR(S) FOUND IN MAT=3554, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN

SEQUENCE NUMBER 6

---

dec-094\_Pu\_236.endf

---

- checkr Errors:

1. STYPE out of order

ERROR(S) FOUND IN MAT=3555, MF= 8, MT=457  
STYPE 5.0 OUT OF ORDER

SEQUENCE NUMBER 112

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3555, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 5.85809E+06 SUM= 5.76045E+06  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
...

SEQUENCE NUMBER 3

---

dec-094\_Pu\_237.endf

---

- Passed All Checks!

---

dec-094\_Pu\_237m1.endf

---

- Passed All Checks!

---

dec-094\_Pu\_238.endf

---

- checkr Errors:

1. STYPE out of order

ERROR(S) FOUND IN MAT=3558, MF= 8, MT=457  
STYPE 5.0 OUT OF ORDER

SEQUENCE NUMBER 128

- fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3558, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 5.57859E+06 SUM= 5.48638E+06  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
...

SEQUENCE NUMBER 3

• checkr Errors:

1. STYPE out of order

ERROR(S) FOUND IN MAT=3559, MF= 8, MT=457  
STYPE 5.0 OUT OF ORDER SEQUENCE NUMBER 603

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3559, MF= 8, MT=457  
TOO MANY DISCRETE SPECTRA FOR CODE TO PROCESS SEQUENCE NUMBER 605  
TOO MANY DISCRETE SPECTRA FOR CODE TO PROCESS SEQUENCE NUMBER 2365  
PARTICLE ENERGY (AE) SUMUP FAILURE

...

• checkr Errors:

1. STYPE out of order

ERROR(S) FOUND IN MAT=3560, MF= 8, MT=457  
STYPE 5.0 OUT OF ORDER SEQUENCE NUMBER 66

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3560, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 5.24115E+06 SUM= 5.15523E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE

...

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3561, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 1.21986E+02 SUM= 1.19994E+02 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 1.19994E+02 SUM= 1.22020E+02

---

dec-094\_Pu\_242.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3562, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 4.97273E+06  SUM= 4.89187E+06          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 4.89187E+06  SUM= 4.97413E+06
```

---

dec-094\_Pu\_243.endf

---

- Passed All Checks!

---

dec-094\_Pu\_244.endf

---

- **checkr** Errors:

1. STYPE out of order

```
ERROR(S) FOUND IN MAT=3564, MF= 8, MT=457
  STYPE  5.0 OUT OF ORDER          SEQUENCE NUMBER    20
```

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3564, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 4.87143E+06  SUM= 4.79643E+06          SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
...

```

---

dec-094\_Pu\_245.endf

---

- Passed All Checks!

---

dec-094\_Pu\_246.endf

---

- Passed All Checks!

---

dec-094\_Pu\_247.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3567, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-095\_Am\_231.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3568, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-095\_Am\_232.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3569, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-095\_Am\_233.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3570, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-095\_Am\_234.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3571, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-095\_Am\_235.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3572, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-095\_Am\_236.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3573, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-095\_Am\_237.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3574, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 1.53599E+03 SUM= 1.51050E+03 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 1.51050E+03 SUM= 1.53644E+03

---

dec-095\_Am\_238.endf

---

• **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3575, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 2.26000E+06 SUM= 1.93001E+06 SEQUENCE NUMBER 1  
PARTICLE ENERGY (AE) SUMUP FAILURE

...

---

dec-095\_Am\_239.endf

---

• Passed All Checks!

---

dec-095\_Am\_240.endf

---

• Passed All Checks!

---

dec-095\_Am\_241.endf

---

• **checkr** Errors:

1. STYPE out of order

ERROR(S) FOUND IN MAT=3578, MF= 8, MT=457  
STYPE 5.0 OUT OF ORDER SEQUENCE NUMBER 319

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3578, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 5.58115E+06 SUM= 5.49003E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE

...

---

dec-095\_Am\_242.endf

• Passed All Checks!

---

dec-095\_Am\_242m1.endf

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3580, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 2.44100E+04 SUM= 2.37283E+04 SEQUENCE NUMBER 3

---

dec-095\_Am\_242m2.endf

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3581, MF= 8, MT=457  
NEGATIVE SPIN NOT ALLOWED SEQUENCE NUMBER 4  
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL SEQUENCE NUMBER 4  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-095\_Am\_243.endf

• checkr Errors:

1. STYPE out of order

ERROR(S) FOUND IN MAT=3582, MF= 8, MT=457  
STYPE 5.0 OUT OF ORDER SEQUENCE NUMBER 89

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3582, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
WHOLE= 5.35619E+06 SUM= 5.26945E+06 SEQUENCE NUMBER 3
ALPHA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-095\_Am\_244.endf

- Passed All Checks!

---

dec-095\_Am\_244m1.endf

- Passed All Checks!

---

dec-095\_Am\_245.endf

- Passed All Checks!

---

dec-095\_Am\_246.endf

- Passed All Checks!

---

dec-095\_Am\_246m1.endf

- Passed All Checks!

---

dec-095\_Am\_247.endf

- **fizcon** Non-errors:

1. We don't know the parity of a level in the nucleus in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=3588, MF= 8, MT=457
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4
```

---

dec-095\_Am\_248.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3589, MF= 8, MT=457
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5
```

---

dec-095\_Am\_249.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3590, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-096\_Cm\_233.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3591, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-096\_Cm\_234.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3592, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-096\_Cm\_235.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3593, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-096\_Cm\_236.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3594, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-096\_Cm\_237.endf



- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3595, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

---

dec-096\_Cm\_238.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3596, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

---

dec-096\_Cm\_239.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3597, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

---

dec-096\_Cm\_240.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3598, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
  WHOLE= 6.38687E+06  SUM= 6.28217E+06           SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
  WHOLE= 6.28217E+06  SUM= 6.38869E+06
```

---

dec-096\_Cm\_241.endf

---

- Passed All Checks!

---

dec-096\_Cm\_242.endf

---

- **checkr** Errors:

1. STYPE out of order

ERROR(S) FOUND IN MAT=3600, MF= 8, MT=457  
STYPE 5.0 OUT OF ORDER SEQUENCE NUMBER 119

- **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3600, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 6.20478E+06 SUM= 6.10389E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE

...

---

dec-096\_Cm\_243.endf

- Passed All Checks!

---

dec-096\_Cm\_244.endf

- **checkr** Errors:

1. STYPE out of order

ERROR(S) FOUND IN MAT=3602, MF= 8, MT=457  
STYPE 5.0 OUT OF ORDER SEQUENCE NUMBER 77

- **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3602, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 5.89168E+06 SUM= 5.79666E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE

...

---

dec-096\_Cm\_244m1.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3603, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3603, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-096\_Cm\_245.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3604, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 5.47543E+06 SUM= 5.38747E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 5.38747E+06 SUM= 5.47692E+06

---

dec-096\_Cm\_246.endf

---

• checkr Errors:

1. STYPE out of order

ERROR(S) FOUND IN MAT=3605, MF= 8, MT=457  
STYPE 5.0 OUT OF ORDER SEQUENCE NUMBER 20

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3605, MF= 8, MT=457  
NEUTRON MULTIPLICITY SUMUP FAILURE  
WHOLE= 0.00000E+00 SUM= 1.00000E+00  
NEUTRON AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 1.56997E+03 SUM= 4.79397E+04

---

dec-096\_Cm\_247.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3606, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 5.02886E+06 SUM= 4.94872E+06 SEQUENCE NUMBER 3

---

dec-096\_Cm\_248.endf

---

• checkr Errors:

1. STYPE out of order

ERROR(S) FOUND IN MAT=3607, MF= 8, MT=457  
STYPE 5.0 OUT OF ORDER SEQUENCE NUMBER 27

• **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3607, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 2.06361E+07 SUM= 1.98107E+07 SEQUENCE NUMBER 1  
PARTICLE ENERGY (AE) SUMUP FAILURE

...

---

dec-096\_Cm\_249.endf

• Passed All Checks!

---

dec-096\_Cm\_250.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3609, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-096\_Cm\_251.endf

• Passed All Checks!

---

dec-097\_Bk\_235.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3611, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-097\_Bk\_237.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3612, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-097\_Bk\_238.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3613, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-097\_Bk\_240.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3614, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-097\_Bk\_241.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3615, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-097\_Bk\_242.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3616, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-097\_Bk\_243.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3617, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-097\_Bk\_244.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3618, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-097\_Bk\_245.endf

---

- Passed All Checks!

---

dec-097\_Bk\_246.endf

---

- Passed All Checks!

---

dec-097\_Bk\_247.endf

---

- Passed All Checks!

---

dec-097\_Bk\_248.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3622, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-097\_Bk\_248m1.endf

---

- Passed All Checks!

---

dec-097\_Bk\_249.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3624, MF= 8, MT=457  
NEUTRON MULTIPLICITY SUMUP FAILURE  
WHOLE= 0.00000E+00 SUM= 1.00000E+00

---

dec-097\_Bk\_250.endf

---

- Passed All Checks!

---

dec-097\_Bk\_251.endf

---

- Passed All Checks!

---

dec-097\_Bk\_253.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3627, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-097\_Bk\_254.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3628, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-098\_Cf\_237.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3629, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-098\_Cf\_238.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3630, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-098\_Cf\_239.endf

---

- fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3631, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-098\_Cf\_240.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3632, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-098\_Cf\_241.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3633, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-098\_Cf\_242.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3634, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-098\_Cf\_243.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3635, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-098\_Cf\_244.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.



ERROR(S) FOUND IN MAT=3636, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-098\_Cf\_245.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3637, MF= 8, MT=457  
NEGATIVE SPIN NOT ALLOWED SEQUENCE NUMBER 4  
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL SEQUENCE NUMBER 4  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-098\_Cf\_246.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3638, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 6.85528E+06 SUM= 6.74560E+06 SEQUENCE NUMBER 3

---

dec-098\_Cf\_247.endf

---

• Passed All Checks!

---

dec-098\_Cf\_248.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3640, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 6.35002E+06 SUM= 6.24922E+06 SEQUENCE NUMBER 3

---

dec-098\_Cf\_249.endf

---

• checkr Errors:

1. STYPE out of order

ERROR(S) FOUND IN MAT=3641, MF= 8, MT=457  
STYPE 5.0 OUT OF ORDER SEQUENCE NUMBER 197

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3641, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
WHOLE= 5.91321E+06  SUM= 5.81972E+06      SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-098\_Cf\_250.endf

---

• checkr Errors:

1. STYPE out of order

```
ERROR(S) FOUND IN MAT=3642, MF= 8, MT=457
STYPE 5.0 OUT OF ORDER                      SEQUENCE NUMBER    30
```

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3642, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
WHOLE= 6.11585E+06  SUM= 6.16415E+06      SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
```

...

---

dec-098\_Cf\_251.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3643, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
WHOLE= 5.87858E+06  SUM= 5.78637E+06      SEQUENCE NUMBER    3
```

---

dec-098\_Cf\_252.endf

---

• fizcon Errors:

1. A unknown parameter is outside of legal limits

```
ERROR(S) FOUND IN MAT=3644, MF= 5, MT= 18
PARAMETER TABLE ENERGY RANGE INCORRECT  SEQUENCE NUMBER    5
```

2. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3644, MF= 8, MT=457  
ELECTRON AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 4.57000E+03 SUM= 4.17025E+03

---

dec-098\_Cf\_253.endf

---

- Passed All Checks!

---

dec-098\_Cf\_254.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3646, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-098\_Cf\_255.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3647, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-098\_Cf\_256.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3648, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-099\_Es\_240.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3649, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-099\_Es\_241.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3650, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-099\_Es\_242.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3651, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-099\_Es\_243.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3652, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-099\_Es\_244.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3653, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-099\_Es\_245.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3654, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-099\_Es\_246.endf

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3655, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    7
```

---

dec-099\_Es\_247.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3656, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

---

dec-099\_Es\_247m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3657, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    5
```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=3657, MF= 1, MT=451
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE     SEQUENCE NUMBER    2
```

---

dec-099\_Es\_248.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3658, MF= 8, MT=457
NEGATIVE SPIN NOT ALLOWED                           SEQUENCE NUMBER    4
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL           SEQUENCE NUMBER    4
PARITY= 0.00000E+00 NOT +1.0 OR -1.0              SEQUENCE NUMBER    4
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    6
```

---

dec-099\_Es\_249.endf

---

- Passed All Checks!

---

dec-099\_Es\_250.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3660, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER      6
```

---

dec-099\_Es\_250m1.endf

---

- Passed All Checks!

---

dec-099\_Es\_251.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3662, MF= 8, MT=457
E.C. MULTIPLICITY SUMUP FAILURE
WHOLE= 9.95000E-01  SUM= 1.02997E+00
```

---

dec-099\_Es\_252.endf

---

- Passed All Checks!

---

dec-099\_Es\_253.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3664, MF= 8, MT=457
NEUTRON MULTIPLICITY SUMUP FAILURE
WHOLE= 0.00000E+00  SUM= 1.00000E+00
```

---

dec-099\_Es\_254.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3665, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
WHOLE= 6.49928E+06  SUM= 6.39852E+06                                SEQUENCE NUMBER      3
ALPHA AVERAGE ENERGY SUMUP FAILURE
WHOLE= 6.39852E+06  SUM= 6.50092E+06
```

---

dec-099\_Es\_254m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3666, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 9

---

dec-099\_Es\_255.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3667, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-099\_Es\_256.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3668, MF= 8, MT=457  
NEGATIVE SPIN NOT ALLOWED SEQUENCE NUMBER 4  
SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL SEQUENCE NUMBER 4  
PARITY= 0.00000E+00 NOT +1.0 OR -1.0 SEQUENCE NUMBER 4  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-099\_Es\_256m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3669, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3669, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-099\_Es\_257.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3670, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-099\_Es\_258.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3671, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-100\_Fm\_242.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3672, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-100\_Fm\_243.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3673, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-100\_Fm\_244.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3674, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5



---

dec-100\_Fm\_245.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3675, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-100\_Fm\_246.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3676, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-100\_Fm\_247.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3677, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-100\_Fm\_248.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3678, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-100\_Fm\_249.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3679, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-100\_Fm\_250.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3680, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    7
```

---

dec-100\_Fm\_250m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3681, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                               SEQUENCE NUMBER    7
```

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=3681, MF= 1, MT=451
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE     SEQUENCE NUMBER    2
```

---

dec-100\_Fm\_251.endf

---

- Passed All Checks!

---

dec-100\_Fm\_252.endf

---

- **fizcon** Errors:

1. Energies released in decay not adding up!

```
ERROR(S) FOUND IN MAT=3683, MF= 8, MT=457
PARTICLE ENERGY (AE) SUMUP FAILURE
WHOLE= 7.14242E+06  SUM= 7.03082E+06                SEQUENCE NUMBER    3
ALPHA AVERAGE ENERGY SUMUP FAILURE
WHOLE= 7.03082E+06  SUM= 7.14426E+06
```

---

dec-100\_Fm\_253.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3684, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-100\_Fm\_254.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3685, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 7.29562E+06 SUM= 7.18251E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 7.18251E+06 SUM= 7.29747E+06

---

dec-100\_Fm\_255.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3686, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 7.16488E+06 SUM= 7.05423E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 7.05423E+06 SUM= 7.16668E+06

---

dec-100\_Fm\_256.endf

---

• fizcon Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3687, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-100\_Fm\_257.endf

---

• fizcon Errors:

1. Energies released in decay not adding up!

ERROR(S) FOUND IN MAT=3688, MF= 8, MT=457  
PARTICLE ENERGY (AE) SUMUP FAILURE  
WHOLE= 6.65791E+06 SUM= 6.51623E+06 SEQUENCE NUMBER 3  
ALPHA AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 6.51623E+06 SUM= 6.61928E+06

---

dec-100\_Fm\_258.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3689, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-100\_Fm\_259.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3690, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-100\_Fm\_260.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3691, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-101\_Md\_245.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3692, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-101\_Md\_245m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3693, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-101\_Md\_246.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3694, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-101\_Md\_247.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3695, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-101\_Md\_247m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3696, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3696, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-101\_Md\_248.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3697, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-101\_Md\_249.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3698, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-101\_Md\_249m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3699, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3699, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-101\_Md\_250.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3700, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-101\_Md\_251.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3701, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-101\_Md\_252.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3702, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-101\_Md\_253.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3703, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-101\_Md\_254.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3704, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-101\_Md\_254m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3705, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3705, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-101\_Md\_255.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3706, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-101\_Md\_256.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3707, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-101\_Md\_257.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3708, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-101\_Md\_258.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3709, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-101\_Md\_258m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3710, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3710, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-101\_Md\_259.endf

---

- **fizcon** Non-errors:



1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3711, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-101\_Md\_260.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3712, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 8

---

dec-101\_Md\_261.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3713, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-102\_No\_250.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3714, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-102\_No\_251.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3715, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-102\_No\_251m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3716, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-102\_No\_252.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3717, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-102\_No\_253.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3718, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-102\_No\_254.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3719, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-102\_No\_254m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3720, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-102\_No\_255.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=3721, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    6

```

---

dec-102\_No\_256.endf

---

- Passed All Checks!

---

dec-102\_No\_257.endf

---

- **fizcon** Errors:

1. At least one gamma ray needed for given source mode

```

ERROR(S) FOUND IN MAT=3723, MF= 8, MT=457
GAMMA RAY NEEDED, SOURCE MODE=    4                SEQUENCE NUMBER    8
GAMMA RAY NEEDED, SOURCE MODE=    4                SEQUENCE NUMBER   10

```

---

dec-102\_No\_258.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=3724, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5

```

---

dec-102\_No\_259.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=3725, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    7

```

---

dec-102\_No\_260.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```

ERROR(S) FOUND IN MAT=3726, MF= 8, MT=457
NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5

```

---

dec-102\_No\_261.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3727, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-102\_No\_262.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3728, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-103\_Lr\_251.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3729, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-103\_Lr\_252.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3730, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-103\_Lr\_253.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3731, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-103\_Lr\_253m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3732, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3732, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-103\_Lr\_254.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3733, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-103\_Lr\_255.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3734, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-103\_Lr\_255m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3735, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-103\_Lr\_256.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3736, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-103\_Lr\_257.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3737, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-103\_Lr\_258.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3738, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-103\_Lr\_259.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3739, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-103\_Lr\_260.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3740, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-103\_Lr\_261.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3741, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-103\_Lr\_262.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3742, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-103\_Lr\_263.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3743, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-104\_Rf\_253.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3744, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-104\_Rf\_254.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3745, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-104\_Rf\_255.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3746, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-104\_Rf\_256.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3747, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-104\_Rf\_257.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3748, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-104\_Rf\_257m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3749, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3749, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-104\_Rf\_258.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.



ERROR(S) FOUND IN MAT=3750, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-104\_Rf\_259.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3751, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-104\_Rf\_260.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3752, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-104\_Rf\_261.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3753, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-104\_Rf\_261m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3754, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3754, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-104\_Rf\_262.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3755, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-104\_Rf\_263.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3756, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-104\_Rf\_264.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3757, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-104\_Rf\_265.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3758, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-105\_Db\_255.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3759, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-105\_Db\_256.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3760, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-105\_Db\_257.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3761, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-105\_Db\_257m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3762, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3762, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-105\_Db\_258.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3763, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-105\_Db\_258m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3764, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3764, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-105\_Db\_259.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3765, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-105\_Db\_260.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3766, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-105\_Db\_261.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3767, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-105\_Db\_262.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3768, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-105\_Db\_263.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3769, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 7

---

dec-105\_Db\_264.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3770, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-105\_Db\_265.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3771, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-106\_Sg\_258.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3772, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-106\_Sg\_259.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3773, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-106\_Sg\_260.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3774, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-106\_Sg\_261.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3775, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-106\_Sg\_262.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3776, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-106\_Sg\_263.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3777, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-106\_Sg\_263m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3778, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3778, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-106\_Sg\_264.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3779, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-106\_Sg\_265.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3780, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-106\_Sg\_266.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3781, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-106\_Sg\_269.endf

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3782, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-107\_Bh\_260.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3783, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-107\_Bh\_261.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3784, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-107\_Bh\_262.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3785, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-107\_Bh\_262m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3786, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3786, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-107\_Bh\_263.endf

---

- **fizcon** Non-errors:



1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3787, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-107\_Bh\_264.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3788, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-107\_Bh\_265.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3789, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-107\_Bh\_266.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3790, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-107\_Bh\_267.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3791, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-107\_Bh\_269.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3792, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-108\_Hs\_263.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3793, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-108\_Hs\_264.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3794, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-108\_Hs\_265.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3795, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-108\_Hs\_265m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3796, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-108\_Hs\_266.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3797, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-108\_Hs\_267.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3798, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-108\_Hs\_268.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3799, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-108\_Hs\_269.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3800, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-108\_Hs\_273.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3801, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-109\_Mt\_265.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3802, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-109\_Mt\_266.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3803, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-109\_Mt\_266m1.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3804, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3804, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-109\_Mt\_267.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3805, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-109\_Mt\_268.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3806, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-109\_Mt\_269.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3807, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-109\_Mt\_270.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3808, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-109\_Mt\_271.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3809, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-109\_Mt\_273.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3810, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-110\_Ds\_267.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3811, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-110\_Ds\_268.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3812, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-110\_Ds\_269.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3813, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-110\_Ds\_270.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3814, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-110\_Ds\_270m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3815, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

---

dec-110\_Ds\_271.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3816, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-110\_Ds\_271m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3817, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

ERROR(S) FOUND IN MAT=3817, MF= 1, MT=451  
ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE SEQUENCE NUMBER 2

---

dec-110\_Ds\_272.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3818, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-110\_Ds\_273.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3819, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 5

---

dec-110\_Ds\_279m1.endf

---

• **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

ERROR(S) FOUND IN MAT=3820, MF= 8, MT=457  
NO DECAY SPECTRA GIVEN SEQUENCE NUMBER 6

2. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress

```
ERROR(S) FOUND IN MAT=3820, MF= 1, MT=451
      ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE    SEQUENCE NUMBER    2
```

---

dec-111\_Rg\_272.endf

---

- **fizcon** Non-errors:

1. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.

```
ERROR(S) FOUND IN MAT=3821, MF= 8, MT=457
      NO DECAY SPECTRA GIVEN                                SEQUENCE NUMBER    5
```