Release notes for ENDF/B Development gammas sublibrary

December 2, 2016

FAILURE SUMMARY

No FAILURES found!

ERROR SUMMARY

checkr A variable is outside the allowed ENDF range: g-006_C_012.endf, g-006_C_013.endf, g-007_N_014.endf, g-007_N_015.endf, g-008_O_016.endf, g-008_O_017.endf, g-008_O_018.endf, g-011_Na_023.endf, g-012_Mg_024.endf, g-012_Mg_025.endf, g-012_Mg_026.endf, g-013_Al_027.endf, g-014_Si_028.endf, g-014_Si_029.endf, g-014_Si_030.endf, g-016_S_032.endf, g-016_S_033.endf, g-016_S_034.endf, g-016_S_036.endf, g-017_Cl_035.endf, g-017_Cl_037.endf, g-018_Ar_036.endf, g-018_Ar_038.endf, g-018_Ar_040.endf, g-020_Ca_040.endf, g-020_Ca_042.endf, g-020_Ca_043.endf, g-020_Ca_044.endf, g-020_Ca_046.endf, g-020_Ca_048.endf, g-022_Ti_046.endf, g-022_Ti_047.endf, g-022_Ti_048.endf, g-022_Ti_049.endf, g-022_Ti_050.endf, g-023_V_051.endf, g-024_Cr_050.endf, g-024_Cr_052.endf, g-024_Cr_053.endf, g-024_Cr_054.endf, g-025_Mn_055.endf, g-026_Fe_054.endf, g-026_Fe_056.endf, g-026_Fe_057.endf, g-026_Fe_058.endf, g-027_Co_059.endf, g-028_Ni_058.endf, g-028_Ni_060.endf, g-028_Ni_061.endf, g-028_Ni_062.endf, g-028_Ni_064.endf, g-029_Cu_063.endf, g-029_Cu_065.endf, g-030_Zn_064.endf, g-030_Zn_066.endf, g-030_Zn_067.endf, g-030_Zn_068.endf, g-030_Zn_070.endf, g-032_Ge_070.endf, g-032_Ge_072.endf, g-032_Ge_073.endf, g-032_Ge_074.endf, g-032_Ge_076.endf, g-038_Sr_084.endf, g-038_Sr_086.endf, g-038_Sr_087.endf, g-038_Sr_088.endf, g-038_Sr_090.endf, g-040_Zr_090.endf, g-040_Zr_091.endf, g-040_Zr_092.endf, g-040_Zr_093.endf, g-040_Zr_094.endf, g-040_Zr_096.endf, g-041_Nb_093.endf, g-041_Nb_094.endf, g-042_Mo_092.endf, g-042_Mo_094.endf, g-042_Mo_095.endf, g-042_Mo_096.endf, g-042_Mo_097.endf, g-042_Mo_098.endf, g-042_Mo_100.endf, g-046_Pd_102.endf, g-046_Pd_104.endf, g-046_Pd_105.endf, g-046_Pd_106.endf, g-046_Pd_107.endf, g-046_Pd_108.endf, g-046_Pd_110.endf, g-047_Ag_107.endf, g-047_Ag_108.endf, g-047_Ag_109.endf, g-048_Cd_106.endf, g-048_Cd_108.endf, g-048_Cd_110.endf, g-048_Cd_111.endf, g-048_Cd_112.endf, g-048_Cd_113.endf, g-048_Cd_114.endf, g-048_Cd_116.endf, g-050_Sn_112.endf, g-050_Sn_114.endf, g-050_Sn_115.endf, g-050_Sn_116.endf, g-050_Sn_117.endf, g-050_Sn_118.endf, g-050_Sn_119.endf, g-050_Sn_120.endf, g-050_Sn_122.endf, g-050_Sn_124.endf, g-051_Sb_121.endf, g-051_Sb_123.endf, g-052_Te_120.endf, g-052_Te_122.endf, g-052_Te_123.endf, g-052_Te_124.endf, g-052_Te_125.endf, g-052_Te_126.endf, g-052_Te_128.endf, g-052_Te_130.endf, g-053_I_127.endf, g-053_I_129.endf, g-055_Cs_133.endf, g-055_Cs_135.endf, g-055_Cs_137.endf, g-059_Pr_141.endf, g-062_Sm_144.endf, g-062_Sm_147.endf, g-062_Sm_148.endf, g-062_Sm_149.endf, g-062_Sm_150.endf, g-062_Sm_151.endf, g-062_Sm_152.endf, g-062_Sm_154.endf, g-065_Tb_158.endf, g-065_Tb_159.endf, g-067_Ho_165.endf, g-073_Ta_181.endf, g-074_W_180.endf, g-074_W_182.endf, g-074_W_183.endf, g-074_W_184.endf, g-074_W_186.endf, g-079_Au_197.endf, g-082_Pb_206.endf, g-082_Pb_207.endf, g-082_Pb_208.endf, g-083_Bi_209.endf, g-090_Th_232.endf, g-092_U_233.endf, g-092_U_234.endf, g-092_U_235.endf, g-092_U_236.endf, g-092_U_238.endf, g-093_Np_237.endf, g-094_Pu_238.endf, g-094_Pu_239.endf, g-094_Pu_240.endf, g-094_Pu_241.endf, g-095_Am_241.endf,

checkr Missing a section in directory so your directory is messed up. This error will break everything else: g-006_C_012.endf, g-006_C_013.endf, g-007_N_014.endf, g-007_N_015.endf, g-008_O_016.endf, g-008_O_017.endf, g-008_O_018.endf, g-011_Na_023.endf, g-012_Mg_024.endf, g-012_Mg_025.endf, g-012_Mg_026.endf, g-013_Al_027.endf, g-014_Si_028.endf, g-014_Si_029.endf, g-014_Si_030.endf, g-016_S_032.endf, g-016_S_033.endf, g-016_S_034.endf, g-016_S_036.endf, g-017_Cl_035.endf, g-017_Cl_037.endf, g-018_Ar_036.endf, g-018_Ar_038.endf, g-018_Ar_040.endf, g-020_Ca_040.endf, g-020_Ca_042.endf, g-020_Ca_043.endf, g-020_Ca_044.endf, g-020_Ca_046.endf, g-020_Ca_048.endf, g-022_Ti_046.endf, g-022_Ti_047.endf, g-022_Ti_048.endf, g-022_Ti_049.endf, g-022_Ti_050.endf, g-023_V_051.endf, g-024_Cr_050.endf, g-024_Cr_052.endf, g-024_Cr_053.endf, g-024_Cr_054.endf, g-025_Mn_055.endf, g-026_Fe_054.endf, g-026_Fe_056.endf, g-026_Fe_057.endf, g-026_Fe_058.endf, g-027_Co_059.endf, g-028_Ni_058.endf, g-028_Ni_060.endf,

g-028_Ni_061.endf, g-028_Ni_062.endf, g-028_Ni_064.endf, g-029_Cu_063.endf, g-029_Cu_065.endf, g-030_Zn_064.endf, g-030_Zn_066.endf, g-030_Zn_067.endf, g-030_Zn_068.endf, g-030_Zn_070.endf, g-032_Ge_070.endf, g-032_Ge_072.endf, g-032_Ge_073.endf, g-032_Ge_074.endf, g-032_Ge_076.endf, g-038_Sr_084.endf, g-038_Sr_086.endf, g-038_Sr_087.endf, g-038_Sr_088.endf, g-038_Sr_090.endf, g-040_Zr_090.endf, g-040_Zr_091.endf, g-040_Zr_092.endf, g-040_Zr_093.endf, g-040_Zr_094.endf, g-040_Zr_096.endf, g-041_Nb_093.endf, g-041_Nb_094.endf, g-042_Mo_092.endf, g-042_Mo_094.endf, g-042_Mo_095.endf, g-042_Mo_096.endf, g-042_Mo_097.endf, g-042_Mo_098.endf, g-042_Mo_100.endf, g-046_Pd_102.endf, g-046_Pd_104.endf, g-046_Pd_105.endf, g-046_Pd_106.endf, g-046_Pd_107.endf, g-046_Pd_108.endf, g-046_Pd_110.endf, g-047_Ag_107.endf, g-047_Ag_108.endf, g-047_Ag_109.endf, g-048_Cd_106.endf, g-048_Cd_108.endf, g-048_Cd_110.endf, g-048_Cd_111.endf, g-048_Cd_112.endf, g-048_Cd_113.endf, g-048_Cd_114.endf, g-048_Cd_116.endf, g-050_Sn_112.endf, g-050_Sn_114.endf, g-050_Sn_115.endf, g-050_Sn_116.endf, g-050_Sn_117.endf, g-050_Sn_118.endf, g-050_Sn_119.endf, g-050_Sn_120.endf, g-050_Sn_122.endf, g-050_Sn_124.endf, g-051_Sb_121.endf, g-051_Sb_123.endf, g-052_Te_120.endf, g-052_Te_122.endf, g-052_Te_123.endf, g-052_Te_124.endf, g-052_Te_125.endf, g-052_Te_126.endf, g-052_Te_128.endf, g-052_Te_130.endf, g-053_I_127.endf, g-053_I_129.endf, g-055_Cs_133.endf, g-055_Cs_135.endf, g-055_Cs_137.endf, g-059_Pr_141.endf, g-062_Sm_144.endf, g-062_Sm_147.endf, g-062_Sm_148.endf, g-062_Sm_149.endf, g-062_Sm_150.endf, g-062_Sm_151.endf, g-062_Sm_152.endf, g-062_Sm_154.endf, g-065_Tb_158.endf, g-065_Tb_159.endf, g-067_Ho_165.endf, g-073_Ta_181.endf, g-074_W_180.endf, g-074_W_182.endf, g-074_W_183.endf, g-074_W_184.endf, g-074_W_186.endf, g-079_Au_197.endf, g-082_Pb_206.endf, g-082_Pb_207.endf, g-082_Pb_208.endf, g-083_Bi_209.endf, g-090_Th_232.endf, g-092_U_233.endf, g-092_U_234.endf, g-092_U_235.endf, g-092_U_236.endf, g-092_U_238.endf, g-093_Np_237.endf, g-094_Pu_238.endf, g-094_Pu_239.endf, g-094_Pu_240.endf, g-094_Pu_241.endf, g-095_Am_241.endf,

checkr Missing a section/file: g-090_Th_232.endf, g-092_U_233.endf, g-092_U_234.endf, g-092_U_236.endf, g-094_Pu_238.endf, g-094_Pu_241.endf,

checkr Missing nubar_total or LFI flag is set wrong: g-090_Th_232.endf, g-092_U_233.endf, g-092_U_234.endf, g-092_U_236.endf, g-094_Pu_238.endf, g-094_Pu_241.endf,

fizcon A level's energy is somehow off: g-092_U_234.endf, g-092_U_236.endf, g-094_Pu_241.endf,

fizcon Implied intermediate level energy should be something else: g-093_Np_237.endf, g-095_Am_241.endf,

fizcon Missing files (probably nubar): g-090_Th_232.endf, g-092_U_233.endf, g-092_U_234.endf, g-092_U_236.endf, g-094_Pu_238.endf, g-094_Pu_241.endf,

fizcon Missing files (probably spectra for outgoing particles): g-004_Be_009.endf, g-007_N_014.endf, g-023_V_051.endf, g-074_W_180.endf, g-074_W_182.endf, g-074_W_183.endf, g-074_W_186.endf, g-090_Th_232.endf, g-092_U_233.endf, g-092_U_234.endf, g-092_U_235.endf, g-092_U_236.endf, g-092_U_238.endf, g-093_Np_237.endf, g-094_Pu_238.endf, g-094_Pu_239.endf, g-094_Pu_240.endf, g-094_Pu_241.endf, g-095_Am_241.endf,

fizcon Outgoing energy E' not energetically allow: E' .le. E-Q.: g-092_U_234.endf, g-092_U_236.endf, g-094_Pu_238.endf, g-094_Pu_241.endf,

fizcon The cross section and an outgoing distribution don't span the same energy region.: g-094_Pu_239.endf, g-094_Pu_241.endf,

fudge-4.0 Calculated and tabulated Q values disagree.: g-001_H_002.endf, g-004_Be_009.endf, g-006_C_012.endf, g-007_N_014.endf, g-008_O_016.endf, g-023_V_051.endf, g-074_W_180.endf, g-074_W_182.endf, g-074_W_183.endf, g-074_W_186.endf, g-090_Th_232.endf, g-092_U_233.endf, g-092_U_234.endf, g-092_U_235.endf, g-092_U_236.endf, g-092_U_238.endf, g-093_Np_237.endf, g-094_Pu_238.endf, g-094_Pu_239.endf, g-094_Pu_240.endf, g-094_Pu_241.endf, g-095_Am_241.endf,

fudge-4.0 Calculated and tabulated thresholds don't agree: g-004_Be_009.endf, g-006_C_013.endf, g-007_N_014.endf, g-007_N_015.endf, g-008_O_017.endf, g-008_O_018.endf, g-011_Na_023.endf, g-012_Mg_024.endf, g-012_Mg_025.endf, g-012_Mg_026.endf, g-013_Al_027.endf, g-014_Si_028.endf, g-014_Si_029.endf, g-014_Si_030.endf, g-016_S_032.endf, g-016_S_033.endf, g-016_S_034.endf, g-016_S_036.endf, g-017_Cl_035.endf, g-017_Cl_037.endf, g-018_Ar_036.endf, g-018_Ar_038.endf, g-018_Ar_040.endf, g-020_Ca_040.endf, g-020_Ca_042.endf, g-020_Ca_043.endf, g-020_Ca_044.endf, g-020_Ca_046.endf, g-020_Ca_048.endf, g-022_Ti_046.endf, g-022_Ti_047.endf, g-022_Ti_048.endf, g-022_Ti_049.endf, g-022_Ti_050.endf, g-023_V_051.endf, g-024_Cr_050.endf, g-024_Cr_052.endf, g-024_Cr_053.endf, g-024_Cr_054.endf, g-025_Mn_055.endf, g-026_Fe_054.endf, g-026_Fe_056.endf, g-026_Fe_057.endf, g-026_Fe_058.endf, g-027_Co_059.endf, g-028_Ni_058.endf, g-028_Ni_060.endf, g-028_Ni_061.endf, g-028_Ni_062.endf, g-028_Ni_064.endf, g-029_Cu_063.endf, g-029_Cu_065.endf, g-030_Zn_064.endf, g-030_Zn_066.endf, g-030_Zn_067.endf, g-030_Zn_068.endf, g-030_Zn_070.endf, g-032_Ge_070.endf, g-032_Ge_072.endf, g-032_Ge_073.endf, g-032_Ge_074.endf, g-032_Ge_076.endf, g-038_Sr_084.endf, g-038_Sr_086.endf, g-038_Sr_087.endf, g-038_Sr_088.endf, g-038_Sr_090.endf, g-040_Zr_090.endf, g-040_Zr_091.endf, g-040_Zr_092.endf, g-040_Zr_093.endf, g-040_Zr_094.endf, g-040_Zr_096.endf, g-041_Nb_093.endf, g-041_Nb_094.endf, g-042_Mo_092.endf, g-042_Mo_094.endf, g-042_Mo_095.endf, g-042_Mo_096.endf, g-042_Mo_097.endf, g-042_Mo_098.endf, g-042_Mo_100.endf, g-046_Pd_102.endf, g-046_Pd_104.endf, g-046_Pd_105.endf, g-046_Pd_106.endf, g-046_Pd_107.endf, g-046_Pd_108.endf, g-046_Pd_110.endf, g-047_Ag_107.endf, g-047_Ag_108.endf, g-047_Ag_109.endf, g-048_Cd_106.endf, g-048_Cd_108.endf, g-048_Cd_110.endf, g-048_Cd_111.endf, g-048_Cd_112.endf, g-048_Cd_113.endf, g-048_Cd_114.endf, g-048_Cd_116.endf, g-050_Sn_112.endf, g-050_Sn_114.endf, g-050_Sn_115.endf, g-050_Sn_116.endf, g-050_Sn_117.endf, g-050_Sn_118.endf, g-050_Sn_119.endf, g-050_Sn_120.endf, g-050_Sn_122.endf, g-050_Sn_124.endf, g-051_Sb_121.endf, g-051_Sb_123.endf, g-052_Te_120.endf, g-052_Te_122.endf, g-052_Te_123.endf, g-052_Te_124.endf, g-052_Te_125.endf, g-052_Te_126.endf, g-052_Te_128.endf, g-052_Te_130.endf, g-053_I_127.endf, g-053_I_129.endf, g-055_Cs_133.endf, g-055_Cs_135.endf, g-055_Cs_137.endf, g-059_Pr_141.endf, g-062_Sm_144.endf, g-062_Sm_147.endf, g-062_Sm_148.endf, g-062_Sm_149.endf, g-062_Sm_150.endf, g-062_Sm_151.endf, g-062_Sm_152.endf, g-062_Sm_154.endf, g-065_Tb_158.endf, g-065_Tb_159.endf, g-067_Ho_165.endf, g-073_Ta_181.endf, g-074_W_180.endf, g-074_W_182.endf, g-074_W_183.endf, g-074_W_184.endf, g-074_W_186.endf, g-079_Au_197.endf, g-082_Pb_206.endf, g-082_Pb_207.endf, g-082_Pb_208.endf, g-083_Bi_209.endf, g-090_Th_232.endf, g-092_U_233.endf, g-092_U_234.endf, g-092_U_235.endf, g-092_U_236.endf, g-092_U_238.endf, g-093_Np_237.endf, g-094_Pu_238.endf, g-094_Pu_239.endf, g-094_Pu_240.endf, g-094_Pu_241.endf, g-095_Am_241.endf,

fudge-4.0 Cross section domain does not match domain of linked reaction cross section sum: g-006_C_012.endf, g-008_O_016.endf,

fudge-4.0 Energy range of data set does not match cross section range: g-092_U_234.endf, g-092_U_235.endf, g-092_U_236.endf, g-092_U_238.endf, g-093_Np_237.endf, g-094_Pu_239.endf, g-094_Pu_240.endf, g-094_Pu_241.endf, g-095_Am_241.endf,

fudge-4.0 Found a negative probability: g-050_Sn_117.endf, g-053_I_127.endf,

fudge-4.0 Outgoing distributions are required for neutrons in the ENDF format (you do want to do neutronics, right?): g-074_W_182.endf, g-074_W_186.endf,

fudge-4.0 The r(E) in Kalbach-Mann formulation is outside of allowed bounds: g-006_C_013.endf, g-007_N_014.endf, g-008_O_017.endf, g-082_Pb_206.endf, g-082_Pb_207.endf,

WARNING SUMMARY

checkr A previous error halted parsing of the current section: g-006_C_012.endf, g-006_C_013.endf, g-007_N_014.endf, g-007_N_015.endf, g-008_O_016.endf, g-008_O_017.endf, g-008_O_018.endf, g-011_Na_023.endf, g-012_Mg_024.endf,

g-012_Mg_025.endf, g-012_Mg_026.endf, g-013_Al_027.endf, g-014_Si_028.endf, g-014_Si_029.endf, g-014_Si_030.endf, g-016_S_032.endf, g-016_S_033.endf, g-016_S_034.endf, g-016_S_036.endf, g-017_Cl_035.endf, g-017_Cl_037.endf, g-018_Ar_036.endf, g-018_Ar_038.endf, g-018_Ar_040.endf, g-020_Ca_040.endf, g-020_Ca_042.endf, g-020_Ca_043.endf, g-020_Ca_044.endf, g-020_Ca_046.endf, g-020_Ca_048.endf, g-022_Ti_046.endf, g-022_Ti_047.endf, g-022_Ti_048.endf, g-022_Ti_049.endf, g-022_Ti_050.endf, g-023_V_051.endf, g-024_Cr_050.endf, g-024_Cr_052.endf, g-024_Cr_053.endf, g-024_Cr_054.endf, g-025_Mn_055.endf, g-026_Fe_054.endf, g-026_Fe_056.endf, g-026_Fe_057.endf, g-026_Fe_058.endf, g-027_Co_059.endf, g-028_Ni_058.endf, g-028_Ni_060.endf, g-028_Ni_061.endf, g-028_Ni_062.endf, g-028_Ni_064.endf, g-029_Cu_063.endf, g-029_Cu_065.endf, g-030_Zn_064.endf, g-030_Zn_066.endf, g-030_Zn_067.endf, g-030_Zn_068.endf, g-030_Zn_070.endf, g-032_Ge_070.endf, g-032_Ge_072.endf, g-032_Ge_073.endf, g-032_Ge_074.endf, g-032_Ge_076.endf, g-038_Sr_084.endf, g-038_Sr_086.endf, g-038_Sr_087.endf, g-038_Sr_088.endf, g-038_Sr_090.endf, g-040_Zr_090.endf, g-040_Zr_091.endf, g-040_Zr_092.endf, g-040_Zr_093.endf, g-040_Zr_094.endf, g-040_Zr_096.endf, g-041_Nb_093.endf, g-041_Nb_094.endf, g-042_Mo_092.endf, g-042_Mo_094.endf, g-042_Mo_095.endf, g-042_Mo_096.endf, g-042_Mo_097.endf, g-042_Mo_098.endf, g-042_Mo_100.endf, g-046_Pd_102.endf, g-046_Pd_104.endf, g-046_Pd_105.endf, g-046_Pd_106.endf, g-046_Pd_107.endf, g-046_Pd_108.endf, g-046_Pd_110.endf, g-047_Ag_107.endf, g-047_Ag_108.endf, g-047_Ag_109.endf, g-048_Cd_106.endf, g-048_Cd_108.endf, g-048_Cd_110.endf, g-048_Cd_111.endf, g-048_Cd_112.endf, g-048_Cd_113.endf, g-048_Cd_114.endf, g-048_Cd_116.endf, g-050_Sn_112.endf, g-050_Sn_114.endf, g-050_Sn_115.endf, g-050_Sn_116.endf, g-050_Sn_117.endf, g-050_Sn_118.endf, g-050_Sn_119.endf, g-050_Sn_120.endf, g-050_Sn_122.endf, g-050_Sn_124.endf, g-051_Sb_121.endf, g-051_Sb_123.endf, g-052_Te_120.endf, g-052_Te_122.endf, g-052_Te_123.endf, g-052_Te_124.endf, g-052_Te_125.endf, g-052_Te_126.endf, g-052_Te_128.endf, g-052_Te_130.endf, g-053_I_127.endf, g-053_I_129.endf, g-055_Cs_133.endf, g-055_Cs_135.endf, g-055_Cs_137.endf, g-059_Pr_141.endf, g-062_Sm_144.endf, g-062_Sm_147.endf, g-062_Sm_148.endf, g-062_Sm_149.endf, g-062_Sm_150.endf, g-062_Sm_151.endf, g-062_Sm_152.endf, g-062_Sm_154.endf, g-065_Tb_158.endf, g-065_Tb_159.endf, g-067_Ho_165.endf, g-073_Ta_181.endf, g-074_W_180.endf, g-074_W_182.endf, g-074_W_183.endf, g-074_W_184.endf, g-074_W_186.endf, g-079_Au_197.endf, g-082_Pb_206.endf, g-082_Pb_207.endf, g-082_Pb_208.endf, g-083_Bi_209.endf, g-090_Th_232.endf, g-092_U_233.endf, g-092_U_234.endf, g-092_U_235.endf, g-092_U_236.endf, g-092_U_238.endf, g-093_Np_237.endf, g-094_Pu_238.endf, g-094_Pu_239.endf, g-094_Pu_240.endf, g-094_Pu_241.endf, g-095_Am_241.endf,

checkr Although the ENDF manual says MT=18/MF=4 is allowed only for the neutron sublibrary, this is too restrictive as all fission events lead to emitted neutrons: g-090_Th_232.endf, g-092_U_233.endf, g-092_U_234.endf, g-092_U_235.endf, g-092_U_236.endf, g-092_U_238.endf, g-093_Np_237.endf, g-094_Pu_238.endf, g-094_Pu_239.endf, g-094_Pu_240.endf, g-094_Pu_241.endf,

checkr Although the ENDF manual says MT=18/MF=5 (PFNS) and MT=455 (nubar) are allowed only for the neutron sublibrary, this is too restrictive as all fission events lead to emitted neutrons.: g-090_Th_232.endf, g-092_U_233.endf, g-092_U_234.endf, g-092_U_235.endf, g-092_U_236.endf, g-092_U_238.endf, g-093_Np_237.endf, g-094_Pu_238.endf, g-094_Pu_239.endf, g-094_Pu_240.endf, g-094_Pu_241.endf, g-095_Am_241.endf,

checkr Although the ENDF manual says MT=458 (fission energy release) is allowed only for the neutron sublibrary, this is too restrictive as all fission events lead to energy release.: g-092_U_235.endf,

fudge-4.0 Cross section does not match sum of linked reaction cross sections: g-090_Th_232.endf, g-092_U_233.endf, g-092_U_236.endf, g-092_U_238.endf, g-094_Pu_241.endf,

fudge-4.0 First cross section point not zero right at threshold: g-092_U_233.endf, g-092_U_236.endf, g-094_Pu_241.endf,

fudge-4.0 For distributions, flat interpolation along incident energy is unphysical!: g-004_Be_009.endf,

xsectplotter Encountered runtime warning in xsectplotter or Fudge or matplotlib: `g-023_V_051.endf`, `g-074_W_180.endf`, `g-074_W_182.endf`, `g-074_W_183.endf`, `g-074_W_186.endf`,