Release notes for ENDF/B Development dec-059_Pr_153 evaluation

October 14, 2016

- `fizcon` Errors:

  1. Generic error message
     MAT=1999, MF= 8, MT=457 (1): Error

     ```
     ERROR(S) FOUND IN MAT=1999, MF= 8, MT=457
        E(MAXIMUM) > Q  E= 5.00000E+05  Q= 4.98760E+05
     ```

  2. Energies released in decay not adding up!
     MAT=1999, MF= 8, MT=457 (2): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1999, MF= 8, MT=457
        TOTAL ENERGY RELEASE SUMUP FAILURE
            WHOLE= 5.76046E+06  SUM= 3.24089E+06
     ```

  3. Energies released in decay not adding up!
     MAT=1999, MF= 8, MT=457 (3): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1999, MF= 8, MT=457
        GAMMA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 1.29912E+06  SUM= 1.31766E+06
     ```

  4. Energies released in decay not adding up!
     MAT=1999, MF= 8, MT=457 (4): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1999, MF= 8, MT=457
        BETA MULTIPLICITY SUMUP FAILURE
            WHOLE= 1.00000E+00  SUM= 1.00044E+00
     ```

  5. Energies released in decay not adding up!
     MAT=1999, MF= 8, MT=457 (5): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1999, MF= 8, MT=457
        BETA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 1.91822E+06  SUM= 1.92322E+06
     ```

  6. Energies released in decay not adding up!
     MAT=1999, MF= 8, MT=457 (6): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1999, MF= 8, MT=457
        NEUTRON AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 7.61587E-01  SUM= 8.25131E-01
     ```