Release notes for ENDF/B Development dec-055_Cs_151 evaluation

October 13, 2016

- `fizcon` Errors:

  1. Generic error message
     MAT=1816, MF= 8, MT=457 (1): Error

     ```
     ERROR(S) FOUND IN MAT=1816, MF= 8, MT=457
        E(MAXIMUM) > Q  E= 1.05100E+07  Q= 7.21400E+06
     ```

  2. Energies released in decay not adding up!
     MAT=1816, MF= 8, MT=457 (2): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1816, MF= 8, MT=457
        TOTAL ENERGY RELEASE SUMUP FAILURE
            WHOLE= 7.67488E+06  SUM= 4.32024E+06
     ```

  3. Energies released in decay not adding up!
     MAT=1816, MF= 8, MT=457 (3): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1816, MF= 8, MT=457
        GAMMA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 9.63025E+05  SUM= 9.75868E+05
     ```

  4. Energies released in decay not adding up!
     MAT=1816, MF= 8, MT=457 (4): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1816, MF= 8, MT=457
        BETA MULTIPLICITY SUMUP FAILURE
            WHOLE= 1.00104E+00  SUM= 1.00020E+00
     ```

  5. Energies released in decay not adding up!
     MAT=1816, MF= 8, MT=457 (5): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1816, MF= 8, MT=457
        BETA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 2.71019E+06  SUM= 2.71519E+06
     ```

  6. Energies released in decay not adding up!
     MAT=1816, MF= 8, MT=457 (6): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1816, MF= 8, MT=457
        NEUTRON MULTIPLICITY SUMUP FAILURE
            WHOLE= 8.60255E-01  SUM= 8.59731E-01
     ```

  7. Energies released in decay not adding up!
     MAT=1816, MF= 8, MT=457 (7): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1816, MF= 8, MT=457
        NEUTRON AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 6.20680E+05  SUM= 6.29182E+05
     ```