Release notes for ENDF/B Development dec-062_Sm_158 evaluation

October 14, 2016

- `fizcon` Errors:

  1. All probability distributions should be normalized to 1, this one isn't.
     MAT=2134, MF= 8, MT=457 (1): Bad norm (b)

     ```
     ERROR(S) FOUND IN MAT=2134, MF= 8, MT=457
        NORMALIZATION CHECK INTEGRAL= 1.00318E+00 BEFORE
     ```

  2. Energies released in decay not adding up!
     MAT=2134, MF= 8, MT=457 (2): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=2134, MF= 8, MT=457
        TOTAL ENERGY RELEASE SUMUP FAILURE
            WHOLE= 1.99900E+06  SUM= 9.45546E+05
     ```

  3. Energies released in decay not adding up!
     MAT=2134, MF= 8, MT=457 (3): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=2134, MF= 8, MT=457
        BETA ENERGY (BE) SUMUP FAILURE
            WHOLE= 5.14112E+05  SUM= 6.42492E+05         SEQUENCE NUMBER     2
     ```

  4. Energies released in decay not adding up!
     MAT=2134, MF= 8, MT=457 (4): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=2134, MF= 8, MT=457
        GAMMA ENERGY (GE) SUMUP FAILURE
            WHOLE= 5.94252E+05  SUM= 2.83634E+05         SEQUENCE NUMBER     2
     ```

  5. Energies released in decay not adding up!
     MAT=2134, MF= 8, MT=457 (5): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=2134, MF= 8, MT=457
        GAMMA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 2.83634E+05  SUM= 2.98043E+05
     ```

  6. Energies released in decay not adding up!
     MAT=2134, MF= 8, MT=457 (6): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=2134, MF= 8, MT=457
        BETA MULTIPLICITY SUMUP FAILURE
            WHOLE= 1.00000E+00  SUM= 1.00318E+00
     ```

  7. Energies released in decay not adding up!
     MAT=2134, MF= 8, MT=457 (7): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=2134, MF= 8, MT=457
        BETA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 6.42492E+05  SUM= 6.47504E+05
     ```