Release notes for ENDF/B Development dec-059_Pr_157 evaluation

October 13, 2016

- `fizcon` Errors:

  1. All probability distributions should be normalized to 1, this one isn't.
     MAT=2003, MF= 8, MT=457 (1): Bad norm (b)

     ```
     ERROR(S) FOUND IN MAT=2003, MF= 8, MT=457
        NORMALIZATION CHECK INTEGRAL= 1.00127E+00 BEFORE
     ```

  2. Energies released in decay not adding up!
     MAT=2003, MF= 8, MT=457 (2): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=2003, MF= 8, MT=457
        TOTAL ENERGY RELEASE SUMUP FAILURE
            WHOLE= 7.58928E+06  SUM= 4.42663E+06
     ```

  3. Energies released in decay not adding up!
     MAT=2003, MF= 8, MT=457 (3): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=2003, MF= 8, MT=457
        GAMMA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 1.88126E+06  SUM= 1.89987E+06
     ```

  4. Energies released in decay not adding up!
     MAT=2003, MF= 8, MT=457 (4): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=2003, MF= 8, MT=457
        BETA MULTIPLICITY SUMUP FAILURE
            WHOLE= 1.00000E+00  SUM= 1.00027E+00
     ```

  5. Energies released in decay not adding up!
     MAT=2003, MF= 8, MT=457 (5): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=2003, MF= 8, MT=457
        BETA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 2.50071E+06  SUM= 2.50571E+06
     ```

  6. Energies released in decay not adding up!
     MAT=2003, MF= 8, MT=457 (6): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=2003, MF= 8, MT=457
        NEUTRON MULTIPLICITY SUMUP FAILURE
            WHOLE= 5.42890E-02  SUM= 5.43579E-02
     ```

  7. Energies released in decay not adding up!
     MAT=2003, MF= 8, MT=457 (7): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=2003, MF= 8, MT=457
        NEUTRON AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 2.06430E+04  SUM= 2.10499E+04
     ```