Release notes for ENDF/B Development dec-053_I_143 evaluation

October 13, 2016

- `fizcon` Errors:

  1. All probability distributions should be normalized to 1, this one isn't.
     MAT=1711, MF= 8, MT=457 (1): Bad norm (b)

     ```
     ERROR(S) FOUND IN MAT=1711, MF= 8, MT=457
        NORMALIZATION CHECK INTEGRAL= 1.00165E+00 BEFORE
     ```

  2. Energies released in decay not adding up!
     MAT=1711, MF= 8, MT=457 (2): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1711, MF= 8, MT=457
        TOTAL ENERGY RELEASE SUMUP FAILURE
            WHOLE= 6.32324E+06  SUM= 3.39122E+06
     ```

  3. Energies released in decay not adding up!
     MAT=1711, MF= 8, MT=457 (3): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1711, MF= 8, MT=457
        GAMMA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 4.88948E+05  SUM= 4.96728E+05
     ```

  4. Energies released in decay not adding up!
     MAT=1711, MF= 8, MT=457 (4): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1711, MF= 8, MT=457
        BETA MULTIPLICITY SUMUP FAILURE
            WHOLE= 1.00005E+00  SUM= 1.00026E+00
     ```

  5. Energies released in decay not adding up!
     MAT=1711, MF= 8, MT=457 (5): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1711, MF= 8, MT=457
        BETA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 2.32681E+06  SUM= 2.33181E+06
     ```

  6. Energies released in decay not adding up!
     MAT=1711, MF= 8, MT=457 (6): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1711, MF= 8, MT=457
        NEUTRON MULTIPLICITY SUMUP FAILURE
            WHOLE= 9.24699E-01  SUM= 9.26218E-01
     ```

  7. Energies released in decay not adding up!
     MAT=1711, MF= 8, MT=457 (7): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1711, MF= 8, MT=457
        NEUTRON AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 5.54080E+05  SUM= 5.62679E+05
     ```