Release notes for ENDF/B Development dec-057_La_152 evaluation

October 14, 2016

- `fizcon` Errors:

  1. All probability distributions should be normalized to 1, this one isn't.
     MAT=1910, MF= 8, MT=457 (1): Bad norm (b)

     ```
     ERROR(S) FOUND IN MAT=1910, MF= 8, MT=457
        NORMALIZATION CHECK INTEGRAL= 1.00183E+00 BEFORE
     ```

  2. Energies released in decay not adding up!
     MAT=1910, MF= 8, MT=457 (2): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1910, MF= 8, MT=457
        TOTAL ENERGY RELEASE SUMUP FAILURE
            WHOLE= 9.09384E+06  SUM= 6.71348E+06
     ```

  3. Energies released in decay not adding up!
     MAT=1910, MF= 8, MT=457 (3): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1910, MF= 8, MT=457
        GAMMA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 4.83129E+06  SUM= 4.85598E+06
     ```

  4. Energies released in decay not adding up!
     MAT=1910, MF= 8, MT=457 (4): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1910, MF= 8, MT=457
        BETA MULTIPLICITY SUMUP FAILURE
            WHOLE= 1.00000E+00  SUM= 1.00050E+00
     ```

  5. Energies released in decay not adding up!
     MAT=1910, MF= 8, MT=457 (5): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1910, MF= 8, MT=457
        BETA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 1.81457E+06  SUM= 1.81957E+06
     ```

  6. Energies released in decay not adding up!
     MAT=1910, MF= 8, MT=457 (6): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1910, MF= 8, MT=457
        NEUTRON MULTIPLICITY SUMUP FAILURE
            WHOLE= 7.83370E-02  SUM= 7.84804E-02
     ```

  7. Energies released in decay not adding up!
     MAT=1910, MF= 8, MT=457 (7): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1910, MF= 8, MT=457
        NEUTRON AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 3.72822E+04  SUM= 3.79261E+04
     ```