Release notes for ENDF/B Development dec-056_Ba_149 evaluation

October 13, 2016

- `fizcon` Errors:

  1. All probability distributions should be normalized to 1, this one isn't.
     MAT=1860, MF= 8, MT=457 (1): Bad norm (b)

     ```
     ERROR(S) FOUND IN MAT=1860, MF= 8, MT=457
        NORMALIZATION CHECK INTEGRAL= 1.00841E+00 BEFORE
     ```

  2. Generic error message
     MAT=1860, MF= 8, MT=457 (2): Error

     ```
     ERROR(S) FOUND IN MAT=1860, MF= 8, MT=457
        E(MAXIMUM) > Q  E= 1.47000E+06  Q= 1.46800E+06
     ```

  3. Energies released in decay not adding up!
     MAT=1860, MF= 8, MT=457 (3): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1860, MF= 8, MT=457
        TOTAL ENERGY RELEASE SUMUP FAILURE
            WHOLE= 7.02600E+06  SUM= 4.02440E+06
     ```

  4. Energies released in decay not adding up!
     MAT=1860, MF= 8, MT=457 (4): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1860, MF= 8, MT=457
        GAMMA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 1.62084E+06  SUM= 1.63952E+06
     ```

  5. Energies released in decay not adding up!
     MAT=1860, MF= 8, MT=457 (5): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1860, MF= 8, MT=457
        BETA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 2.37909E+06  SUM= 2.38409E+06
     ```

  6. Energies released in decay not adding up!
     MAT=1860, MF= 8, MT=457 (6): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1860, MF= 8, MT=457
        NEUTRON AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 7.68815E+02  SUM= 7.95839E+02
     ```