Release notes for ENDF/B Development dec-056_Ba_153 evaluation

October 14, 2016

- `fizcon` Errors:

  1. All probability distributions should be normalized to 1, this one isn't.
     MAT=1864, MF= 8, MT=457 (1): Bad norm (b)

     ```
     ERROR(S) FOUND IN MAT=1864, MF= 8, MT=457
        NORMALIZATION CHECK INTEGRAL= 1.00178E+00 BEFORE
     ```

  2. Energies released in decay not adding up!
     MAT=1864, MF= 8, MT=457 (2): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1864, MF= 8, MT=457
        TOTAL ENERGY RELEASE SUMUP FAILURE
            WHOLE= 9.23401E+06  SUM= 5.49084E+06
     ```

  3. Energies released in decay not adding up!
     MAT=1864, MF= 8, MT=457 (3): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1864, MF= 8, MT=457
        GAMMA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 2.38043E+06  SUM= 2.40232E+06
     ```

  4. Energies released in decay not adding up!
     MAT=1864, MF= 8, MT=457 (4): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1864, MF= 8, MT=457
        BETA MULTIPLICITY SUMUP FAILURE
            WHOLE= 1.00000E+00  SUM= 1.00015E+00
     ```

  5. Energies released in decay not adding up!
     MAT=1864, MF= 8, MT=457 (5): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1864, MF= 8, MT=457
        BETA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 3.06653E+06  SUM= 3.07153E+06
     ```

  6. Energies released in decay not adding up!
     MAT=1864, MF= 8, MT=457 (6): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1864, MF= 8, MT=457
        NEUTRON MULTIPLICITY SUMUP FAILURE
            WHOLE= 3.36441E-02  SUM= 3.37045E-02
     ```

  7. Energies released in decay not adding up!
     MAT=1864, MF= 8, MT=457 (7): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1864, MF= 8, MT=457
        NEUTRON AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 1.67124E+04  SUM= 1.69919E+04
     ```