Release notes for ENDF/B Development dec-064_Gd_165 evaluation

October 13, 2016

- `fizcon` Errors:

  1. All probability distributions should be normalized to 1, this one isn't.
     MAT=2225, MF= 8, MT=457 (1): Bad norm (b)

     ```
     ERROR(S) FOUND IN MAT=2225, MF= 8, MT=457
        NORMALIZATION CHECK INTEGRAL= 1.00363E+00 BEFORE
     ```

  2. Energies released in decay not adding up!
     MAT=2225, MF= 8, MT=457 (2): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=2225, MF= 8, MT=457
        TOTAL ENERGY RELEASE SUMUP FAILURE
            WHOLE= 4.05200E+06  SUM= 3.11608E+06
     ```

  3. Energies released in decay not adding up!
     MAT=2225, MF= 8, MT=457 (3): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=2225, MF= 8, MT=457
        GAMMA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 2.53983E+06  SUM= 2.56239E+06
     ```

  4. Energies released in decay not adding up!
     MAT=2225, MF= 8, MT=457 (4): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=2225, MF= 8, MT=457
        BETA MULTIPLICITY SUMUP FAILURE
            WHOLE= 1.00000E+00  SUM= 1.00363E+00
     ```

  5. Energies released in decay not adding up!
     MAT=2225, MF= 8, MT=457 (5): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=2225, MF= 8, MT=457
        BETA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 5.48684E+05  SUM= 5.53698E+05
     ```