Release notes for ENDF/B Development dec-058_Ce_148 evaluation

October 14, 2016

- `fizcon` Errors:

  1. Generic error message
     MAT=1951, MF= 8, MT=457 (1): Error

     ```
     ERROR(S) FOUND IN MAT=1951, MF= 8, MT=457
        E(MAXIMUM) > Q  E= 2.14000E+06  Q= 2.13680E+06
     ```

  2. All probability distributions should be normalized to 1, this one isn't.
     MAT=1951, MF= 8, MT=457 (2): Bad norm (b)

     ```
     ERROR(S) FOUND IN MAT=1951, MF= 8, MT=457
        NORMALIZATION CHECK INTEGRAL= 1.00319E+00 BEFORE
     ```

  3. Generic error message
     MAT=1951, MF= 8, MT=457 (3): Error

     ```
     ERROR(S) FOUND IN MAT=1951, MF= 8, MT=457
        E(MAXIMUM) > Q  E= 2.14000E+06  Q= 2.13680E+06
     ```

  4. Energies released in decay not adding up!
     MAT=1951, MF= 8, MT=457 (4): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1951, MF= 8, MT=457
        TOTAL ENERGY RELEASE SUMUP FAILURE
            WHOLE= 2.13680E+06  SUM= 1.12217E+06
     ```

  5. Energies released in decay not adding up!
     MAT=1951, MF= 8, MT=457 (5): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1951, MF= 8, MT=457
        GAMMA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 4.76532E+05  SUM= 4.93701E+05
     ```

  6. Energies released in decay not adding up!
     MAT=1951, MF= 8, MT=457 (6): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1951, MF= 8, MT=457
        BETA MULTIPLICITY SUMUP FAILURE
            WHOLE= 1.00000E+00  SUM= 1.00319E+00
     ```

  7. Energies released in decay not adding up!
     MAT=1951, MF= 8, MT=457 (7): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1951, MF= 8, MT=457
        BETA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 6.23458E+05  SUM= 6.28469E+05
     ```