Release notes for ENDF/B Development dec-040_Zr_108 evaluation

October 13, 2016

- `fizcon` Errors:

  1. All probability distributions should be normalized to 1, this one isn't.
     MAT=1059, MF= 8, MT=457 (1): Bad norm (b)

     ```
     ERROR(S) FOUND IN MAT=1059, MF= 8, MT=457
        NORMALIZATION CHECK INTEGRAL= 1.00604E+00 BEFORE
     ```

  2. Energies released in decay not adding up!
     MAT=1059, MF= 8, MT=457 (2): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1059, MF= 8, MT=457
        TOTAL ENERGY RELEASE SUMUP FAILURE
            WHOLE= 8.14950E+06  SUM= 4.45322E+06
     ```

  3. Energies released in decay not adding up!
     MAT=1059, MF= 8, MT=457 (3): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1059, MF= 8, MT=457
        GAMMA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 1.28522E+06  SUM= 1.30517E+06
     ```

  4. Energies released in decay not adding up!
     MAT=1059, MF= 8, MT=457 (4): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1059, MF= 8, MT=457
        BETA MULTIPLICITY SUMUP FAILURE
            WHOLE= 1.00000E+00  SUM= 1.00010E+00
     ```

  5. Energies released in decay not adding up!
     MAT=1059, MF= 8, MT=457 (5): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1059, MF= 8, MT=457
        BETA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 3.13569E+06  SUM= 3.14069E+06
     ```

  6. Energies released in decay not adding up!
     MAT=1059, MF= 8, MT=457 (6): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1059, MF= 8, MT=457
        NEUTRON MULTIPLICITY SUMUP FAILURE
            WHOLE= 1.57020E-02  SUM= 1.57968E-02
     ```

  7. Energies released in decay not adding up!
     MAT=1059, MF= 8, MT=457 (7): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1059, MF= 8, MT=457
        NEUTRON AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 7.21670E+03  SUM= 7.36422E+03
     ```