Release notes for ENDF/B Development dec-040_Zr_104 evaluation

October 14, 2016

- `fizcon` Errors:

  1. All probability distributions should be normalized to 1, this one isn't.
     MAT=1055, MF= 8, MT=457 (1): Bad norm (b)

     ```
     ERROR(S) FOUND IN MAT=1055, MF= 8, MT=457
        NORMALIZATION CHECK INTEGRAL= 1.00204E+00 BEFORE
     ```

  2. Energies released in decay not adding up!
     MAT=1055, MF= 8, MT=457 (2): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1055, MF= 8, MT=457
        TOTAL ENERGY RELEASE SUMUP FAILURE
            WHOLE= 6.09456E+06  SUM= 3.44076E+06
     ```

  3. Energies released in decay not adding up!
     MAT=1055, MF= 8, MT=457 (3): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1055, MF= 8, MT=457
        GAMMA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 1.26665E+06  SUM= 1.28583E+06
     ```

  4. Energies released in decay not adding up!
     MAT=1055, MF= 8, MT=457 (4): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1055, MF= 8, MT=457
        BETA MULTIPLICITY SUMUP FAILURE
            WHOLE= 1.00000E+00  SUM= 1.00027E+00
     ```

  5. Energies released in decay not adding up!
     MAT=1055, MF= 8, MT=457 (5): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1055, MF= 8, MT=457
        BETA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 2.14991E+06  SUM= 2.15491E+06
     ```

  6. Energies released in decay not adding up!
     MAT=1055, MF= 8, MT=457 (6): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1055, MF= 8, MT=457
        NEUTRON AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 1.68333E+01  SUM= 1.74068E+01
     ```