# Release notes for ENDF/B Development dec-040_Zr_106 evaluation

October 13, 2016

- `fizcon` Errors:

  1. Energies released in decay not adding up!
     *MAT=1057, MF= 8, MT=457 (1): Bad energy sum*

     ```
     ERROR(S) FOUND IN MAT=1057, MF= 8, MT=457
        TOTAL ENERGY RELEASE SUMUP FAILURE
            WHOLE= 7.13713E+06  SUM= 3.83887E+06
     ```

  2. Energies released in decay not adding up!
     *MAT=1057, MF= 8, MT=457 (2): Bad energy sum*

     ```
     ERROR(S) FOUND IN MAT=1057, MF= 8, MT=457
        GAMMA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 1.05715E+06  SUM= 1.07629E+06
     ```

  3. Energies released in decay not adding up!
     *MAT=1057, MF= 8, MT=457 (3): Bad energy sum*

     ```
     ERROR(S) FOUND IN MAT=1057, MF= 8, MT=457
        BETA MULTIPLICITY SUMUP FAILURE
            WHOLE= 1.00000E+00  SUM= 1.00014E+00
     ```

  4. Energies released in decay not adding up!
     *MAT=1057, MF= 8, MT=457 (4): Bad energy sum*

     ```
     ERROR(S) FOUND IN MAT=1057, MF= 8, MT=457
        BETA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 2.75585E+06  SUM= 2.76085E+06
     ```

  5. Energies released in decay not adding up!
     *MAT=1057, MF= 8, MT=457 (5): Bad energy sum*

     ```
     ERROR(S) FOUND IN MAT=1057, MF= 8, MT=457
        NEUTRON AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 1.69090E+03  SUM= 1.73362E+03
     ```