Release notes for ENDF/B Development dec-030_Zn_083 evaluation

October 14, 2016

- `fizcon` Errors:

  1. Energies released in decay not adding up!
     MAT= 680, MF= 8, MT=457 (1): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT= 680, MF= 8, MT=457
        TOTAL ENERGY RELEASE SUMUP FAILURE
            WHOLE= 1.21427E+07  SUM= 6.76239E+06
     ```

  2. Energies released in decay not adding up!
     MAT= 680, MF= 8, MT=457 (2): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT= 680, MF= 8, MT=457
        GAMMA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 1.82282E+06  SUM= 1.84181E+06
     ```

  3. Energies released in decay not adding up!
     MAT= 680, MF= 8, MT=457 (3): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT= 680, MF= 8, MT=457
        BETA MULTIPLICITY SUMUP FAILURE
            WHOLE= 1.01086E+00  SUM= 1.00004E+00
     ```

  4. Energies released in decay not adding up!
     MAT= 680, MF= 8, MT=457 (4): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT= 680, MF= 8, MT=457
        BETA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 4.83422E+06  SUM= 4.83921E+06
     ```

  5. Energies released in decay not adding up!
     MAT= 680, MF= 8, MT=457 (5): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT= 680, MF= 8, MT=457
        NEUTRON MULTIPLICITY SUMUP FAILURE
            WHOLE= 9.22700E-02  SUM= 8.68705E-02
     ```

  6. Energies released in decay not adding up!
     MAT= 680, MF= 8, MT=457 (6): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT= 680, MF= 8, MT=457
        NEUTRON AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 7.99414E+04  SUM= 8.13649E+04
     ```