Release notes for ENDF/B Development dec-048_Cd_131 evaluation

October 14, 2016

- `fizcon` Errors:

  1. Parity set to illegal value
     MAT=1439, MF= 8, MT=457 (1): Bad parity

     ```
     ERROR(S) FOUND IN MAT=1439, MF= 8, MT=457
        PARITY= 0.00000E+00 NOT +1.0 OR -1.0
     ```

  2. Energies released in decay not adding up!
     MAT=1439, MF= 8, MT=457 (2): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1439, MF= 8, MT=457
        TOTAL ENERGY RELEASE SUMUP FAILURE
            WHOLE= 8.42308E+06  SUM= 5.29633E+06
     ```

  3. Energies released in decay not adding up!
     MAT=1439, MF= 8, MT=457 (3): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1439, MF= 8, MT=457
        GAMMA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 2.29560E+06  SUM= 2.31054E+06
     ```

  4. Energies released in decay not adding up!
     MAT=1439, MF= 8, MT=457 (4): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1439, MF= 8, MT=457
        BETA MULTIPLICITY SUMUP FAILURE
            WHOLE= 1.00000E+00  SUM= 1.00020E+00
     ```

  5. Energies released in decay not adding up!
     MAT=1439, MF= 8, MT=457 (5): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1439, MF= 8, MT=457
        BETA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 2.54786E+06  SUM= 2.55286E+06
     ```

  6. Energies released in decay not adding up!
     MAT=1439, MF= 8, MT=457 (6): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1439, MF= 8, MT=457
        NEUTRON AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 4.26185E+05  SUM= 4.32929E+05
     ```