Release notes for ENDF/B Development dec-031_Ga_084 evaluation

October 13, 2016

- `fizcon` Errors:

  1. Parity set to illegal value
     MAT= 711, MF= 8, MT=457 (1): Bad parity

     ```
     ERROR(S) FOUND IN MAT= 711, MF= 8, MT=457
        PARITY= 0.00000E+00 NOT +1.0 OR -1.0
     ```

  2. Energies released in decay not adding up!
     MAT= 711, MF= 8, MT=457 (2): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT= 711, MF= 8, MT=457
        TOTAL ENERGY RELEASE SUMUP FAILURE
            WHOLE= 1.29964E+07  SUM= 8.06549E+06
     ```

  3. Energies released in decay not adding up!
     MAT= 711, MF= 8, MT=457 (3): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT= 711, MF= 8, MT=457
        GAMMA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 3.48088E+06  SUM= 3.50008E+06
     ```

  4. Energies released in decay not adding up!
     MAT= 711, MF= 8, MT=457 (4): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT= 711, MF= 8, MT=457
        BETA MULTIPLICITY SUMUP FAILURE
            WHOLE= 1.01694E+00  SUM= 1.00005E+00
     ```

  5. Energies released in decay not adding up!
     MAT= 711, MF= 8, MT=457 (5): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT= 711, MF= 8, MT=457
        BETA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 4.39391E+06  SUM= 4.39892E+06
     ```

  6. Energies released in decay not adding up!
     MAT= 711, MF= 8, MT=457 (6): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT= 711, MF= 8, MT=457
        NEUTRON MULTIPLICITY SUMUP FAILURE
            WHOLE= 1.76740E-01  SUM= 1.68269E-01
     ```

  7. Energies released in decay not adding up!
     MAT= 711, MF= 8, MT=457 (7): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT= 711, MF= 8, MT=457
        NEUTRON AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 1.63647E+05  SUM= 1.66488E+05
     ```