# Release notes for ENDF/B Development dec-034_Se_094 evaluation

October 14, 2016

- `fizcon` Errors:

  1. Energies released in decay not adding up!
     *MAT= 821, MF= 8, MT=457 (1): Bad energy sum*

     ```
     ERROR(S) FOUND IN MAT= 821, MF= 8, MT=457
        TOTAL ENERGY RELEASE SUMUP FAILURE
            WHOLE= 9.98405E+06  SUM= 5.41511E+06
     ```

  2. Energies released in decay not adding up!
     *MAT= 821, MF= 8, MT=457 (2): Bad energy sum*

     ```
     ERROR(S) FOUND IN MAT= 821, MF= 8, MT=457
        GAMMA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 1.18120E+06  SUM= 1.19948E+06
     ```

  3. Energies released in decay not adding up!
     *MAT= 821, MF= 8, MT=457 (3): Bad energy sum*

     ```
     ERROR(S) FOUND IN MAT= 821, MF= 8, MT=457
        BETA MULTIPLICITY SUMUP FAILURE
            WHOLE= 1.00219E+00  SUM= 1.00006E+00
     ```

  4. Energies released in decay not adding up!
     *MAT= 821, MF= 8, MT=457 (4): Bad energy sum*

     ```
     ERROR(S) FOUND IN MAT= 821, MF= 8, MT=457
        BETA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 4.02203E+06  SUM= 4.02703E+06
     ```

  5. Energies released in decay not adding up!
     *MAT= 821, MF= 8, MT=457 (5): Bad energy sum*

     ```
     ERROR(S) FOUND IN MAT= 821, MF= 8, MT=457
        NEUTRON MULTIPLICITY SUMUP FAILURE
            WHOLE= 2.88498E-01  SUM= 2.87403E-01
     ```

  6. Energies released in decay not adding up!
     *MAT= 821, MF= 8, MT=457 (6): Bad energy sum*

     ```
     ERROR(S) FOUND IN MAT= 821, MF= 8, MT=457
        NEUTRON AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 1.85137E+05  SUM= 1.88598E+05
     ```