# Release notes for ENDF/B Development dec-049_In_116 evaluation

October 13, 2016

- `fizcon` Errors:

  1. Beta spectrum integral too small
     *MAT=1476, MF= 8, MT=457 (1): Beta spect int (b)*

     ```
     ERROR(S) FOUND IN MAT=1476, MF= 8, MT=457
        FT VALUE TOO SMALL
     ```

  2. This message would be more descriptive if I knew what FT meant
     *MAT=1476, MF= 8, MT=457 (2): Illegal FT*

     ```
     ERROR(S) FOUND IN MAT=1476, MF= 8, MT=457
          FT= 1.74955E+05  E= 4.88500E+05  I=   11
     ```

  3. Energies released in decay not adding up!
     *MAT=1476, MF= 8, MT=457 (3): Bad energy sum*

     ```
     ERROR(S) FOUND IN MAT=1476, MF= 8, MT=457
        BETA MULTIPLICITY SUMUP FAILURE
            WHOLE= 9.99770E-01  SUM= 9.98520E-01
     ```

  4. Energies released in decay not adding up!
     *MAT=1476, MF= 8, MT=457 (4): Bad energy sum*

     ```
     ERROR(S) FOUND IN MAT=1476, MF= 8, MT=457
        BETA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 1.36594E+06  SUM= 1.35742E+06
     ```