# Release notes for ENDF/B Development dec-037_Rb_097 evaluation

October 13, 2016

- `fizcon` Errors:

  1. All probability distributions should be normalized to 1, this one isn't.
     *MAT= 930, MF= 8, MT=457 (1): Bad norm (b)*

     ```
     ERROR(S) FOUND IN MAT= 930, MF= 8, MT=457
        NORMALIZATION CHECK INTEGRAL= 1.00159E+00 BEFORE
     ```

  2. Energies released in decay not adding up!
     *MAT= 930, MF= 8, MT=457 (2): Bad energy sum*

     ```
     ERROR(S) FOUND IN MAT= 930, MF= 8, MT=457
        TOTAL ENERGY RELEASE SUMUP FAILURE
            WHOLE= 9.12229E+06  SUM= 7.74137E+06
     ```

  3. Energies released in decay not adding up!
     *MAT= 930, MF= 8, MT=457 (3): Bad energy sum*

     ```
     ERROR(S) FOUND IN MAT= 930, MF= 8, MT=457
        BETA MULTIPLICITY SUMUP FAILURE
            WHOLE= 1.00000E+00  SUM= 7.45600E-01
     ```

  4. Energies released in decay not adding up!
     *MAT= 930, MF= 8, MT=457 (4): Bad energy sum*

     ```
     ERROR(S) FOUND IN MAT= 930, MF= 8, MT=457
        NEUTRON AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 1.31068E+05  SUM= 1.33734E+05
     ```