# Release notes for ENDF/B Development dec-036_Kr_096 evaluation

October 13, 2016

- `fizcon` Errors:

  1. All probability distributions should be normalized to 1, this one isn't.
     *MAT= 893, MF= 8, MT=457 (1): Bad norm (b)*

     ```
     ERROR(S) FOUND IN MAT= 893, MF= 8, MT=457
        NORMALIZATION CHECK INTEGRAL= 1.00393E+00 BEFORE
     ```

  2. Energies released in decay not adding up!
     *MAT= 893, MF= 8, MT=457 (2): Bad energy sum*

     ```
     ERROR(S) FOUND IN MAT= 893, MF= 8, MT=457
        TOTAL ENERGY RELEASE SUMUP FAILURE
            WHOLE= 8.14403E+06  SUM= 4.52484E+06
     ```

  3. Energies released in decay not adding up!
     *MAT= 893, MF= 8, MT=457 (3): Bad energy sum*

     ```
     ERROR(S) FOUND IN MAT= 893, MF= 8, MT=457
        GAMMA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 1.39440E+06  SUM= 1.41545E+06
     ```

  4. Energies released in decay not adding up!
     *MAT= 893, MF= 8, MT=457 (4): Bad energy sum*

     ```
     ERROR(S) FOUND IN MAT= 893, MF= 8, MT=457
        BETA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 3.08847E+06  SUM= 3.09347E+06
     ```

  5. Energies released in decay not adding up!
     *MAT= 893, MF= 8, MT=457 (5): Bad energy sum*

     ```
     ERROR(S) FOUND IN MAT= 893, MF= 8, MT=457
        NEUTRON AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 1.55709E+04  SUM= 1.59239E+04
     ```