Release notes for ENDF/B Development dec-044_Ru_119 evaluation

October 14, 2016

- `fizcon` Errors:

  1. All probability distributions should be normalized to 1, this one isn't.
     MAT=1230, MF= 8, MT=457 (1): Bad norm (b)

     ```
     ERROR(S) FOUND IN MAT=1230, MF= 8, MT=457
        NORMALIZATION CHECK INTEGRAL= 1.01184E+00 BEFORE
     ```

  2. Energies released in decay not adding up!
     MAT=1230, MF= 8, MT=457 (2): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1230, MF= 8, MT=457
        TOTAL ENERGY RELEASE SUMUP FAILURE
            WHOLE= 1.01284E+07  SUM= 6.50864E+06
     ```

  3. Energies released in decay not adding up!
     MAT=1230, MF= 8, MT=457 (3): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1230, MF= 8, MT=457
        GAMMA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 3.43641E+06  SUM= 3.45860E+06
     ```

  4. Energies released in decay not adding up!
     MAT=1230, MF= 8, MT=457 (4): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1230, MF= 8, MT=457
        BETA MULTIPLICITY SUMUP FAILURE
            WHOLE= 1.00000E+00  SUM= 1.00012E+00
     ```

  5. Energies released in decay not adding up!
     MAT=1230, MF= 8, MT=457 (5): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1230, MF= 8, MT=457
        BETA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 3.03674E+06  SUM= 3.04174E+06
     ```

  6. Energies released in decay not adding up!
     MAT=1230, MF= 8, MT=457 (6): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1230, MF= 8, MT=457
        NEUTRON MULTIPLICITY SUMUP FAILURE
            WHOLE= 2.57930E-02  SUM= 2.60983E-02
     ```

  7. Energies released in decay not adding up!
     MAT=1230, MF= 8, MT=457 (7): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1230, MF= 8, MT=457
        NEUTRON AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 8.10601E+03  SUM= 8.30657E+03
     ```