Release notes for ENDF/B Development dec-039_Y_105 evaluation

October 13, 2016

- `fizcon` Errors:

  1. All probability distributions should be normalized to 1, this one isn't.
     MAT=1021, MF= 8, MT=457 (1): Bad norm (b)

     ```
     ERROR(S) FOUND IN MAT=1021, MF= 8, MT=457
        NORMALIZATION CHECK INTEGRAL= 1.01887E+00 BEFORE
     ```

  2. Energies released in decay not adding up!
     MAT=1021, MF= 8, MT=457 (2): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1021, MF= 8, MT=457
        TOTAL ENERGY RELEASE SUMUP FAILURE
            WHOLE= 1.02731E+07  SUM= 5.77762E+06
     ```

  3. Energies released in decay not adding up!
     MAT=1021, MF= 8, MT=457 (3): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1021, MF= 8, MT=457
        GAMMA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 1.79732E+06  SUM= 1.81476E+06
     ```

  4. Energies released in decay not adding up!
     MAT=1021, MF= 8, MT=457 (4): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1021, MF= 8, MT=457
        BETA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 3.90835E+06  SUM= 3.91335E+06
     ```

  5. Energies released in decay not adding up!
     MAT=1021, MF= 8, MT=457 (5): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1021, MF= 8, MT=457
        NEUTRON MULTIPLICITY SUMUP FAILURE
            WHOLE= 9.93915E-02  SUM= 1.01285E-01
     ```

  6. Energies released in decay not adding up!
     MAT=1021, MF= 8, MT=457 (6): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1021, MF= 8, MT=457
        NEUTRON AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 4.85314E+04  SUM= 4.95113E+04
     ```