Release notes for ENDF/B Development dec-039_Y_101 evaluation

October 14, 2016

- `fizcon` Errors:

  1. Parity set to illegal value
     MAT=1016, MF= 8, MT=457 (1): Bad parity

     ```
     ERROR(S) FOUND IN MAT=1016, MF= 8, MT=457
        PARITY= 0.00000E+00 NOT +1.0 OR -1.0
     ```

  2. Energies released in decay not adding up!
     MAT=1016, MF= 8, MT=457 (2): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1016, MF= 8, MT=457
        TOTAL ENERGY RELEASE SUMUP FAILURE
            WHOLE= 8.00884E+06  SUM= 4.44530E+06
     ```

  3. Energies released in decay not adding up!
     MAT=1016, MF= 8, MT=457 (3): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1016, MF= 8, MT=457
        GAMMA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 1.41318E+06  SUM= 1.42464E+06
     ```

  4. Energies released in decay not adding up!
     MAT=1016, MF= 8, MT=457 (4): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1016, MF= 8, MT=457
        BETA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 3.00720E+06  SUM= 3.01219E+06
     ```

  5. Energies released in decay not adding up!
     MAT=1016, MF= 8, MT=457 (5): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1016, MF= 8, MT=457
        NEUTRON AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 8.28799E+03  SUM= 8.46966E+03
     ```