Release notes for ENDF/B Development dec-051_Sb_139 evaluation

October 14, 2016

- `fizcon` Errors:

  1. Generic error message
     MAT=1619, MF= 8, MT=457 (1): Error

     ```
     ERROR(S) FOUND IN MAT=1619, MF= 8, MT=457
        E(MAXIMUM) > Q  E= 1.00600E+07  Q= 7.36400E+06
     ```

  2. Energies released in decay not adding up!
     MAT=1619, MF= 8, MT=457 (2): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1619, MF= 8, MT=457
        TOTAL ENERGY RELEASE SUMUP FAILURE
            WHOLE= 7.35476E+06  SUM= 4.16337E+06
     ```

  3. Energies released in decay not adding up!
     MAT=1619, MF= 8, MT=457 (3): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1619, MF= 8, MT=457
        GAMMA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 5.22755E+05  SUM= 5.30932E+05
     ```

  4. Energies released in decay not adding up!
     MAT=1619, MF= 8, MT=457 (4): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1619, MF= 8, MT=457
        BETA MULTIPLICITY SUMUP FAILURE
            WHOLE= 1.00407E+00  SUM= 1.00020E+00
     ```

  5. Energies released in decay not adding up!
     MAT=1619, MF= 8, MT=457 (5): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1619, MF= 8, MT=457
        BETA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 2.58447E+06  SUM= 2.58947E+06
     ```

  6. Energies released in decay not adding up!
     MAT=1619, MF= 8, MT=457 (6): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1619, MF= 8, MT=457
        NEUTRON MULTIPLICITY SUMUP FAILURE
            WHOLE= 1.00407E+00  SUM= 1.00203E+00
     ```

  7. Energies released in decay not adding up!
     MAT=1619, MF= 8, MT=457 (7): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1619, MF= 8, MT=457
        NEUTRON AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 1.03039E+06  SUM= 1.04297E+06
     ```