Release notes for ENDF/B Development dec-050_Sn_135 evaluation

October 13, 2016

- `fizcon` Errors:

  1. Parity set to illegal value
     MAT=1566, MF= 8, MT=457 (1): Bad parity

     ```
     ERROR(S) FOUND IN MAT=1566, MF= 8, MT=457
        PARITY= 0.00000E+00 NOT +1.0 OR -1.0
     ```

  2. Generic error message
     MAT=1566, MF= 8, MT=457 (2): Error

     ```
     ERROR(S) FOUND IN MAT=1566, MF= 8, MT=457
        E(MAXIMUM) > Q  E= 9.18000E+06  Q= 5.48200E+06
     ```

  3. All probability distributions should be normalized to 1, this one isn't.
     MAT=1566, MF= 8, MT=457 (3): Bad norm (b)

     ```
     ERROR(S) FOUND IN MAT=1566, MF= 8, MT=457
        NORMALIZATION CHECK INTEGRAL= 1.00110E+00 BEFORE
     ```

  4. Energies released in decay not adding up!
     MAT=1566, MF= 8, MT=457 (4): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1566, MF= 8, MT=457
        TOTAL ENERGY RELEASE SUMUP FAILURE
            WHOLE= 5.43243E+06  SUM= 3.81836E+06
     ```

  5. Energies released in decay not adding up!
     MAT=1566, MF= 8, MT=457 (5): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1566, MF= 8, MT=457
        GAMMA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 1.33963E+06  SUM= 1.35865E+06
     ```

  6. Energies released in decay not adding up!
     MAT=1566, MF= 8, MT=457 (6): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1566, MF= 8, MT=457
        BETA MULTIPLICITY SUMUP FAILURE
            WHOLE= 1.03010E+00  SUM= 1.00110E+00
     ```

  7. Energies released in decay not adding up!
     MAT=1566, MF= 8, MT=457 (7): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1566, MF= 8, MT=457
        BETA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 1.15964E+06  SUM= 1.16465E+06
     ```

  8. Energies released in decay not adding up!
     MAT=1566, MF= 8, MT=457 (8): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT=1566, MF= 8, MT=457
        NEUTRON MULTIPLICITY SUMUP FAILURE
            WHOLE= 1.03010E+00  SUM= 1.01504E+00
     ```

9. Energies released in decay not adding up!
   MAT=1566, MF= 8, MT=457 (9): Bad energy sum

```
ERROR(S) FOUND IN MAT=1566, MF= 8, MT=457
   NEUTRON AVERAGE ENERGY SUMUP FAILURE
       WHOLE= 1.28031E+06  SUM= 1.29507E+06
```