Release notes for ENDF/B Development dec-029_Cu_080 evaluation

October 13, 2016

- `fizcon` Errors:

  1. Energies released in decay not adding up!
     MAT= 642, MF= 8, MT=457 (1): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT= 642, MF= 8, MT=457
        TOTAL ENERGY RELEASE SUMUP FAILURE
            WHOLE= 1.13280E+07  SUM= 7.30892E+06
     ```

  2. Energies released in decay not adding up!
     MAT= 642, MF= 8, MT=457 (2): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT= 642, MF= 8, MT=457
        GAMMA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 3.00616E+06  SUM= 3.02423E+06
     ```

  3. Energies released in decay not adding up!
     MAT= 642, MF= 8, MT=457 (3): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT= 642, MF= 8, MT=457
        BETA MULTIPLICITY SUMUP FAILURE
            WHOLE= 1.12474E+00  SUM= 1.00013E+00
     ```

  4. Energies released in decay not adding up!
     MAT= 642, MF= 8, MT=457 (4): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT= 642, MF= 8, MT=457
        BETA AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 3.52904E+06  SUM= 3.53404E+06
     ```

  5. Energies released in decay not adding up!
     MAT= 642, MF= 8, MT=457 (5): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT= 642, MF= 8, MT=457
        NEUTRON MULTIPLICITY SUMUP FAILURE
            WHOLE= 7.03496E-01  SUM= 6.41125E-01
     ```

  6. Energies released in decay not adding up!
     MAT= 642, MF= 8, MT=457 (6): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT= 642, MF= 8, MT=457
        NEUTRON AVERAGE ENERGY SUMUP FAILURE
            WHOLE= 7.37977E+05  SUM= 7.50651E+05
     ```