Release notes for ENDF/B Development dec-019_K_035 evaluation

October 13, 2016

- `fizcon` Errors:

  1. Illegal value of RTYPE encountered
     MAT= 326, MF= 8, MT=457 (1): Bad RTYPE

     ```
     ERROR(S) FOUND IN MAT= 326, MF= 8, MT=457
         7 IN RTYPE =  2.70000E+00 IS INVALID       NEAR SEQUENCE NUMBER     2
     ```

  2. A discrete gamma energy is not energetically possible for the given Q value
     MAT= 326, MF= 8, MT=457 (2): Eg too big

     ```
     ERROR(S) FOUND IN MAT= 326, MF= 8, MT=457
        E(DISCRETE) > Q  E= 1.42500E+06  Q= 0.00000E+00
     ```

  3. A discrete gamma energy is not energetically possible for the given Q value
     MAT= 326, MF= 8, MT=457 (3): Eg too big

     ```
     ERROR(S) FOUND IN MAT= 326, MF= 8, MT=457
        E(DISCRETE) > Q  E= 1.55500E+06  Q= 0.00000E+00
     ```

  4. A discrete gamma energy is not energetically possible for the given Q value
     MAT= 326, MF= 8, MT=457 (4): Eg too big

     ```
     ERROR(S) FOUND IN MAT= 326, MF= 8, MT=457
        E(DISCRETE) > Q  E= 1.98000E+06  Q= 0.00000E+00
     ```

  5. A discrete gamma energy is not energetically possible for the given Q value
     MAT= 326, MF= 8, MT=457 (5): Eg too big

     ```
     ERROR(S) FOUND IN MAT= 326, MF= 8, MT=457
        E(DISCRETE) > Q  E= 2.28200E+06  Q= 0.00000E+00
     ```

  6. A discrete gamma energy is not energetically possible for the given Q value
     MAT= 326, MF= 8, MT=457 (6): Eg too big

     ```
     ERROR(S) FOUND IN MAT= 326, MF= 8, MT=457
        E(DISCRETE) > Q  E= 2.42500E+06  Q= 0.00000E+00
     ```

  7. Energies released in decay not adding up!
     MAT= 326, MF= 8, MT=457 (7): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT= 326, MF= 8, MT=457
        PROTON MULTIPLICITY SUMUP FAILURE
            WHOLE= 0.00000E+00  SUM= 2.48640E-03
     ```