Release notes for ENDF/B Development dec-016_S_027 evaluation

October 13, 2016

- `fizcon` Warnings:

  1. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.
     MAT= 251, MF= 1, MT=451 (0): Ran out of MATs

     ```
     Z NOT IN RANGE  1.00000E+00 TO  1.50000E+01
     ```

  2. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.
     MAT= 251, MF= 8, MT=457 (3): Missing spectra

     ```
     ERROR(S) FOUND IN MAT= 251, MF= 8, MT=457
        NO DECAY SPECTRA GIVEN
     ```

- `fizcon` Errors:

  1. Illegal value of RTYPE encountered
     MAT= 251, MF= 8, MT=457 (1): Bad RTYPE

     ```
     ERROR(S) FOUND IN MAT= 251, MF= 8, MT=457
         7 IN RTYPE =  2.70000E+00 IS INVALID       NEAR SEQUENCE NUMBER     2
     ```

  2. Illegal value of RTYPE encountered
     MAT= 251, MF= 8, MT=457 (2): Bad RTYPE

     ```
     ERROR(S) FOUND IN MAT= 251, MF= 8, MT=457
         7 IN RTYPE =  2.77000E+00 IS INVALID       NEAR SEQUENCE NUMBER     3
         7 IN RTYPE =  2.77000E+00 IS INVALID       NEAR SEQUENCE NUMBER     3
     ```