Release notes for ENDF/B Development dec-075_Re_169m1 evaluation

October 14, 2016

- `fizcon` Warnings:

  1. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress
     MAT=2728, MF= 1, MT=451 (1): Unknown ELIS

     ```
     ERROR(S) FOUND IN MAT=2728, MF= 1, MT=451
        ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE
     ```

  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=2728, MF= 8, MT=457 (4): Missing spectra

     ```
     ERROR(S) FOUND IN MAT=2728, MF= 8, MT=457
        NO DECAY SPECTRA GIVEN
     ```

- `fizcon` Errors:

  1. Spin should be ≥ 0.0
     MAT=2728, MF= 8, MT=457 (1): Illegal spin (b)

     ```
     ERROR(S) FOUND IN MAT=2728, MF= 8, MT=457
        NEGATIVE SPIN NOT ALLOWED
     ```

  2. Spin should be integral or half integral
     MAT=2728, MF= 8, MT=457 (2): Illegal spin (a)

     ```
     ERROR(S) FOUND IN MAT=2728, MF= 8, MT=457
        SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL
     ```

  3. Parity set to illegal value
     MAT=2728, MF= 8, MT=457 (3): Bad parity

     ```
     ERROR(S) FOUND IN MAT=2728, MF= 8, MT=457
        PARITY= 0.00000E+00 NOT +1.0 OR -1.0
     ```