Release notes for ENDF/B Development g-040_Zr_090 evaluation

December 2, 2016

- `checkr` Warnings:

  1. A previous error halted parsing of the current section
     MAT=4025, MF= 1, MT=451 (1): Parsing stopped

     ```
     ERROR(S) FOUND IN MAT=4025, MF= 1, MT=451
        SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER       32 TO      35
     ```

- `checkr` Errors:

  1. A variable is outside the allowed ENDF range
     MAT=4025, MF= 1, MT=451 (0): Variable range

     ```
     ERROR(S) FOUND IN MAT=4025, MF= 1, MT=451
        MOD =     1 OUT OF RANGE     0 -     0           RECORD NUMBER      32
     ```

  2. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4025, MF= 3, MT= 5 (0): Directory (b)

     ```
     ERROR(S) FOUND IN MAT=4025, MF= 3, MT=  5
        SECTION  3/  5 NOT IN DIRECTORY                 RECORD NUMBER      37
     ```

  3. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4025, MF= 6, MT= 5 (0): Directory (b)

     ```
     ERROR(S) FOUND IN MAT=4025, MF= 6, MT=  5
        SECTION  6/  5 NOT IN DIRECTORY                 RECORD NUMBER      66
     ```

- `fudge-4.0` Errors:

  1. Calculated and tabulated thresholds don't agree
     reaction label 0: sumOfRemainingOutputChannels / Cross section: (Error # 0): Threshold mismatch

     ```
     WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 6.6766e6 eV!
     ```