Release notes for ENDF/B Development std-079_Au_197 evaluation

November 1, 2016

- `checkr` Warnings:

  1. The standards sublibrary uses NSUB=19, but this was never officially adopted by CSEWG for the ENDF format.
     MAT=7925, MF= 1, MT=451 (0): Stds. NSUB

     ```
     ERROR(S) FOUND IN MAT=7925, MF= 1, MT=451
        INVALID SUBLIBRARY NUMBER NSUB =    19           RECORD NUMBER       4
     ```

  2. The standards sublibrary is not meant for transport calculations and is not required to be complete.
     MAT=7925, MF= 3, MT=451 (0): Incompleteness

     ```
     ERROR(S) FOUND IN MAT=7925, MF= 3, MT=451
        LRP =  0 Requires the presence of File 2, but it is missing.
     ```

- `fizcon` Warnings:

  1. The standards sublibrary is not meant for transport calculations and is not required to be complete.
     MAT=7925, MF= 3, MT=102 (1): Incompleteness

     ```
     ERROR(S) FOUND IN MAT=7925, MF= 3, MT=102
        THE MINIMUM INCIDENT ENERGY OF  2.53000E-02(EV)
            SHOULD BE  1.00000E-05(EV) FOR Q=  6.51238E+06(EV)
     ```

- `fudge-4.0` Warnings:

  1. Indicates a test was skipped due to missing information
     reactionSuite: (Error # 0): Test skipped

     ```
     WARNING: Skipped test Wick's limit: "Channel 'n + Au197' could not be found!"
     ```

  2. The standards sublibrary is not meant for transport calculations and is not required to be complete.
     reaction label 0: Au198 + gamma / Cross section: (Error # 0): Incompleteness

     ```
     WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 0.0253 eV!
     WARNING: Calculated and tabulated Q-values disagree: 6013137.750610352 eV vs 6512380. eV!
     ```

  3. The standards sublibrary is not meant for transport calculations and is not required to be complete.
     reaction label 0: Au198 + gamma / Cross section: (Error # 1): Incompleteness

     ```
     WARNING: Gap in cross section data from 2.8e6 eV to 20. MeV
     ```