Release notes for ENDF/B Development nfy-090_Th_229 evaluation

October 13, 2016

- `checkr` Warnings:

  1. A previous error halted parsing of the current section
     MAT=9031, MF= 1, MT=451 (1): Parsing stopped

```
ERROR(S) FOUND IN MAT=9031, MF= 1, MT=451
   SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER       16 TO      19
```

- `checkr` Errors:

  1. A variable is outside the allowed ENDF range
     MAT=9031, MF= 1, MT=451 (0): Variable range

```
ERROR(S) FOUND IN MAT=9031, MF= 1, MT=451
   MOD =     2 OUT OF RANGE     0 -     0           RECORD NUMBER      16
```

  2. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=9031, MF= 8, MT=454 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=9031, MF= 8, MT=454
   SECTION  8/454 NOT IN DIRECTORY                 RECORD NUMBER      21
```

  3. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=9031, MF= 8, MT=459 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=9031, MF= 8, MT=459
   SECTION  8/459 NOT IN DIRECTORY                 RECORD NUMBER     850
```

- `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 + Th' could not be found!"
```

- `fudge-4.0` Errors:

  1. I didn't expect to see that MAT here!
     Reading ENDF file: ../nfy-090_Th_229.endf (Error # 0): ENDF MAT

```
WARNING: ENDF MAT = 9031 not as expected (i.e., 9000).
```