

Release notes for ENDF/B-VII.1 thermal_scatt sublibrary

December 20, 2011

ERROR SUMMARY

checkr The incident particle Emax does not extend far enough (should be 20 MeV for neutrons):
ts1-013_Al_027.endf, ts1-026_Fe_056.endf

fizcon A bad value in a data table is resulting in log(x) where x .le. 0.0: ts1-013_Al_027.endf,
ts1-026_Fe_056.endf

ts1-013_Al_027.endf

- checkr Errors:

1. The incident particle Emax does not extend far enough (should be 20 MeV for neutrons)

```
ERROR(S) FOUND IN MAT= 53, MF= 1, MT=451
EMAX = 0.00E+00 OUT OF RANGE 1.00E+06 - 5.00E+08 SEQUENCE NUMBER 3
DIST-DEC06 20111222
```

- fizcon Errors:

1. A bad value in a data table is resulting in log(x) where x .le. 0.0

```
ERROR(S) FOUND IN MAT= 53, MF= 7, MT= 4
NEG OR ZERO ARG OF LOG BELOW POINT 143 SEQUENCE NUMBER 55
NEG OR ZERO ARG OF LOG BELOW POINT 144 SEQUENCE NUMBER 55
NEG OR ZERO ARG OF LOG BELOW POINT 145 SEQUENCE NUMBER 56
...
```

ts1-026_Fe_056.endf

- checkr Errors:

1. The incident particle Emax does not extend far enough (should be 20 MeV for neutrons)

```
ERROR(S) FOUND IN MAT= 56, MF= 1, MT=451
EMAX = 0.00E+00 OUT OF RANGE 1.00E+06 - 5.00E+08 SEQUENCE NUMBER 3
DIST-DEC06 20111222
```

- fizcon Errors:

1. A bad value in a data table is resulting in log(x) where x .le. 0.0

```
ERROR(S) FOUND IN MAT= 56, MF= 7, MT= 4
NEG OR ZERO ARG OF LOG BELOW POINT 74 SEQUENCE NUMBER 32
NEG OR ZERO ARG OF LOG BELOW POINT 75 SEQUENCE NUMBER 32
NEG OR ZERO ARG OF LOG BELOW POINT 76 SEQUENCE NUMBER 33
...
```

ts1-Be-metal.endf

- Passed All Checks!

ts1-BeinBe0.endf

- Passed All Checks!

ts1-DinD20.endf

- Passed All Checks!
_____tsl-HinCH2.endf_____
- Passed All Checks!
_____tsl-HinH2O.endf_____
- Passed All Checks!
_____tsl-HinZrH.endf_____
- Passed All Checks!
_____tsl-OinBe0.endf_____
- Passed All Checks!
_____tsl-OinUO2.endf_____
- Passed All Checks!
_____tsl-SiO2.endf_____
- Passed All Checks!
_____tsl-UinUO2.endf_____
- Passed All Checks!
_____tsl-ZrinZrH.endf_____
- Passed All Checks!
_____tsl-benzine.endf_____
- Passed All Checks!
_____tsl-graphite.endf_____
- Passed All Checks!
_____tsl-l-CH4.endf_____
- Passed All Checks!
_____tsl-ortho-D.endf_____
- Passed All Checks!
_____tsl-ortho-H.endf_____
- Passed All Checks!
_____tsl-para-D.endf_____
- Passed All Checks!
_____tsl-para-H.endf_____
- Passed All Checks!
_____tsl-s-CH4.endf_____
- Passed All Checks!