ENDF/B-VII SE-74
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
ENDF/B-VII SE-74
resonance total cross section

Energy (MeV)

Cross section (barns)
ENDF/B-VII SE-74
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII SE-74
resonance total cross section

[Graph showing energy (MeV) on the x-axis and cross section (barns) on the y-axis, with a log-log scale. The graph includes multiple sharp peaks indicating resonance states.]
ENDF/B-VII SE-74
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
ENDF/B-VII SE-74
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture

10^3

10^2

10^1

10^0

10^{-1}

10^{-2}

10^{-3}

10^{-4}

10^{-5}

10^{-6}

Energy (MeV)
ENDF/B-VII SE-74
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
ENDF/B-VII SE-74
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

10^{-3}
10^{-2}
10^{-1}
10^0
10^1

capture
ENDF/B-VII SE-74
UR total cross section

Energy (MeV) vs. Cross section (barns)

- Inf. Dil.
- 100 b
ENDF/B-VII SE-74
UR elastic cross section

Energy (MeV)

Cross section (barns)

Inf. Dil.

100 b
ENDF/B-VII SE-74
UR capture cross section

Energy (MeV) vs. Cross section (barns)

- Inf. Dil.
- 100 b
ENDF/B-VII SE-74
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
ENDF/B-VII SE-74
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic

Energy (MeV)
ENDF/B-VII SE-74
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
ENDF/B-VII SE-74
Threshold reactions

Energy (MeV)

Cross section (barns)

(n,2n) (n,n*)a (n,n*)p (n,n*c) (n,p)
ENDF/B-VII SE-74
Threshold reactions

\begin{figure}
\centering
\includegraphics[width=\textwidth]{threshold_reactions.png}
\caption{Threshold reactions for ENDF/B-VII SE-74.}
\end{figure}
ENDF/B-VII SE-74
Threshold reactions

Energy (MeV)

Cross section (barns)

- (n,xp)
- (n,xd)
- (n,xt)
- (n,xhe3)
- (n,xa)

Energy (MeV)
ENDF/B-VII SE-74
angular distribution for elastic
ENDF/B-VII SE-74
angular distribution for (n,2n)
ENDF/B-VII SE-74
angular distribution for (n,n')a

Energy (MeV)
Cosine
Prob/Cos
ENDF/B-VII SE-74
angular distribution for \((n,n^*)p\)
ENDF/B-VII SE-74
angular distribution for (n,n*1)
ENDF/B-VII SE-74
angular distribution for (n,n^*2)
ENDF/B-VII SE-74
angular distribution for \((n,n^*3)\)
ENDF/B-VII SE-74
angular distribution for (n,n*5)
ENDF/B-VII SE-74
angular distribution for (n,n*c)
ENDF/B-VII SE-74
Neutron emission for (n,2n)
ENDF/B-VII SE-74
Neutron emission for \((n,n^*)a\)
ENDF/B-VII SE-74
Neutron emission for \((n,n^*)p\)
ENDF/B-VII SE-74
Neutron emission for (n,n*c)