ENDF/B-VII.1 SE-80
resonance total cross section

Energy (MeV)

Cross section (barns)

- total
ENDF/B-VII.1 SE-80
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 SE-80
resonance absorption cross sections

Capture cross section as a function of energy (MeV).
ENDF/B-VII.1 SE-80
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

10^{-3}

10^{0}

10^{1}
capture
ENDF/B-VII.1 SE-80
UR total cross section

Energy (MeV) vs. Cross section (barns)
ENDF/B-VII.1 SE-80
UR elastic cross section

Energy (MeV) vs. Cross section (barns)

- Inf. Dil.
- 100 b
- 1 b

The graph shows the relationship between energy (MeV) and cross section (barns) for different cross sections.
ENDF/B-VII.1 SE-80
UR capture cross section

Energy (MeV)

Cross section (barns)

10^{-1}

Inf. Dil.
100 b
1 b
ENDF/B-VII.1 SE-80
Non-threshold reactions

- Energy (MeV)
- Cross section (barns)

(n,gma)
ENDF/B-VII.1 SE-80
Principal cross sections

Energy (MeV)

Cross section (barns)

Total
Absorption
Elastic

Energy (MeV)
ENDF/B-VII.1 SE-80
Heating

Heating (MeV/reaction) vs. Energy (MeV)
ENDF/B-VII.1 SE-80
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
ENDF/B-VII.1 SE-80
Inelastic levels

Energy (MeV)

Cross section (barns)

(n,n*6)
(n,n*7)
(n,n*8)
(n,n*9)
(n,n*10)
ENDF/B-VII.1 SE-80
Inelastic levels

Energy (MeV)

Cross section (barns)

(n,n*16)
(n,n*17)
(n,n*18)
(n,n*19)
(n,n*20)

Energy (MeV)
ENDF/B-VII.1 SE-80
Inelastic levels

![Graph showing the cross-sections for inelastic levels labeled (n,n*26), (n,n*27), (n,n*28), and (n,n*29). The y-axis represents the cross-section in barns, and the x-axis represents energy in MeV. The graph shows the cross-sections decreasing as energy increases.]
ENDF/B-VII.1 SE-80
Threshold reactions

Cross section (barns)

Energy (MeV)

(n,2n)  
(n,3n)  
(n,n*)a  
(n,n*)p  
(n,n*c)
ENDF/B-VII.1 SE-80
Threshold reactions

Energy (MeV)

Cross section (barns)

- (n,p)
- (n,d)
- (n,t)
- (n,a)
ENDF/B-VII.1 SE-80
Threshold reactions

Cross section (barns)

Energy (MeV)

*10^-3

- (n,xp)
- (n,xd)
- (n,xt)
- (n,xa)
ENDF/B-VII.1 SE-80
angular distribution for elastic
ENDF/B-VII.1 SE-80
angular distribution for (n,2n)
ENDF/B-VII.1 SE-80
angular distribution for (n,3n)
ENDF/B-VII.1 SE-80
angular distribution for (n,n*)a

\[
\begin{array}{cccc}
\text{Cosine} & 0 & -0.5 & -1.0 \\
\text{Prob/Cos} & 10.0 & 10^{-0.5} & 10^{-1} & 10^{-2} & 10^{-3} & 10^{-4} \\
\end{array}
\]

Energy (MeV)
ENDF/B-VII.1 SE-80
angular distribution for (n,n*)p
ENDF/B-VII.1 SE-80
angular distribution for (n,n*1)
ENDF/B-VII.1 SE-80
angular distribution for (n,n*2)
ENDF/B-VII.1 SE-80
angular distribution for (n,n*3)
ENDF/B-VII.1 SE-80
angular distribution for (n,n*4)
ENDF/B-VII.1 SE-80
angular distribution for (n,n*5)
ENDF/B-VII.1 SE-80
angular distribution for (n,n*6)
ENDF/B-VII.1 SE-80
angular distribution for (n,n*7)
ENDF/B-VII.1 SE-80
angular distribution for (n,n*8)
ENDF/B-VII.1 SE-80
angular distribution for (n,n*9)
ENDF/B-VII.1 SE-80
angular distribution for (n,n*10)
ENDF/B-VII.1 SE-80
angular distribution for (n,n*11)
ENDF/B-VII.1 SE-80
angular distribution for (n,n*12)
ENDF/B-VII.1 SE-80
angular distribution for (n,n*13)
ENDF/B-VII.1 SE-80
angular distribution for (n,n*14)
ENDF/B-VII.1 SE-80
angular distribution for (n,n*15)
ENDF/B-VII.1 SE-80
angular distribution for (n,n*16)
ENDF/B-VII.1 SE-80
angular distribution for (n,n*17)
ENDF/B-VII.1 SE-80
angular distribution for (n,n*18)
ENDF/B-VII.1 SE-80
angular distribution for (n,n*19)
ENDF/B-VII.1 SE-80
angular distribution for (n,n*20)
ENDF/B-VII.1 SE-80
angular distribution for (n,n*21)
ENDF/B-VII.1 SE-80
angular distribution for (n,n*22)
ENDF/B-VII.1 SE-80
angular distribution for (n,n*23)
ENDF/B-VII.1 SE-80
angular distribution for (n,n*24)
ENDF/B-VII.1 SE-80
angular distribution for (n,n*25)
ENDF/B-VII.1 SE-80
angular distribution for (n,n*26)
ENDF/B-VII.1 SE-80
angular distribution for (n,n*27)
ENDF/B-VII.1 SE-80
angular distribution for (n,n*28)
ENDF/B-VII.1 SE-80
angular distribution for (n,n*29)
ENDF/B-VII.1 SE-80
angular distribution for (n,n*c)
ENDF/B-VII.1 SE-80
Neutron emission for (n,2n)
ENDF/B-VII.1 SE-80
Neutron emission for (n,3n)
ENDF/B-VII.1 SE-80
Neutron emission for (n,n*)a
ENDF/B-VII.1 SE-80
Neutron emission for \((n,n^*)p\)
ENDF/B-VII.1 SE-80
Neutron emission for \((n,n^*c)\)