ENDF/B-VII.1 TA-182
Principal cross sections

Energy (MeV) vs. Cross section (barns)

- Energy axis: $10^{-11}$ to $10^1$
- Cross section axis: $10^0$ to $10^5$

Graphs represent:
- Total cross section
- Absorption cross section
- Elastic cross section

The graph shows the variation of cross sections with energy across a range of MeV values, highlighting absorption and elastic interactions.
ENDF/B-VII.1 TA-182
resonance total cross section

![Graph showing resonance total cross section. The x-axis represents energy in MeV, ranging from $10^{-7}$ to $10^{-6}$, and the y-axis represents cross section in barns, ranging from $10^2$ to $10^4$. The curve shows a peak at intermediate energy and a decrease at higher energies.]
ENDF/B-VII.1 TA-182
resonance total cross section

Energy (MeV)

Cross section (barns)

10^4
10^3
10^2
10^1
10^0
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}

10^{-6}
10^{-5}

total
ENDF/B-VII.1 TA-182
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 TA-182
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 TA-182
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
ENDF/B-VII.1 TA-182

UR total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 TA-182
UR elastic cross section
ENDF/B-VII.1 TA-182
UR capture cross section

Energy (MeV)

Cross section (barns)

Inf. Dil.
100 b
1 b

10^-2
10^-3
10^-4
10^-5
10^-6

10^0
10^1
10^2
ENDF/B-VII.1 TA-182
Principal cross sections

Energy (MeV)

Total
Absorption
Elastic
ENDF/B-VII.1 TA-182
Heating

Energy (MeV)

Heating (MeV/reaction)

heating
ENDF/B-VII.1 TA-182

Non-threshold reactions

Energy (MeV)

Cross section (barns)

\[(n,\gamma a)\]
ENDF/B-VII.1 TA-182
Inelastic levels

Cross section (barns) vs. Energy (MeV)

- (n,n*6)
- (n,n*7)
- (n,n*8)
Threshold reactions

Cross section (barns) vs. Energy (MeV)

- (n,xa)

Data source: ENDF/B-VII.1 TA-182
ENDF/B-VII.1 TA-182
angular distribution for elastic
ENDF/B-VII.1 TA-182
angular distribution for (n,2n)
ENDF/B-VII.1 TA-182
angular distribution for (n,3n)
ENDF/B-VII.1 TA-182
angular distribution for (n,n*1)
ENDF/B-VII.1 TA-182
angular distribution for (n,n*2)
ENDF/B-VII.1 TA-182
angular distribution for (n,n*3)
ENDF/B-VII.1 TA-182
angular distribution for (n,n*4)
ENDF/B-VII.1 TA-182
angular distribution for (n,n*5)
ENDF/B-VII.1 TA-182
angular distribution for \((n,n^*6)\)
ENDF/B-VII.1 TA-182
angular distribution for (n,n\*7)
ENDF/B-VII.1 TA-182
angular distribution for (n,n*8)
ENDF/B-VII.1 TA-182
angular distribution for (n,n*c)