ENDF/B-VII BA-134
Principal cross sections

Energy (MeV)

Cross section (barns)

10^{-11} 10^{-10} 10^{-9} 10^{-8} 10^{-7} 10^{-6} 10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1

10^{-1} 10^{-2} 10^{-3} 10^{-4} 10^{-5} 10^{-6} 10^{-7} 10^{-8} 10^{-9} 10^{-10}

10^0 10^1 10^2 10^3 10^4

total
absorption
elastic
ENDF/B-VII BA-134
resonance total cross section

Energy (MeV)

Cross section (barns)

total
ENDF/B-VII BA-134
resonance total cross section
ENDF/B-VII BA-134
resonance total cross section

![Graph showing resonance total cross section with energy (MeV) on the x-axis and cross section (barns) on the y-axis. The graph includes logarithmic scales and resonance spikes indicating the energy levels at which resonances occur. The total cross section is labeled.]
ENDF/B-VII BA-134
resonance total cross section

Energy (MeV)

Cross section (barns)

total
ENDF/B-VII BA-134
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII BA-134
resonance absorption cross sections

Capture cross section as a function of energy.
ENDF/B-VII BA-134
resonance absorption cross sections

capture

Energy (MeV)

Cross section (barns)
ENDF/B-VII BA-134
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VII BA-134
resonance absorption cross sections

Energy (MeV)

Cross section (barns)
capture
ENDF/B-VII BA-134
resonance absorption cross sections
ENDF/B-VII BA-134
UR total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII BA-134
UR elastic cross section

Energy (MeV) vs. Cross section (barns)

- Inf. Dil.
- 100 b
ENDF/B-VII BA-134
UR capture cross section

Energy (MeV)

Cross section (barns)

- Inf. Dil.
- 100 b

10^{-1} - 10^{1}

10^{-2} - 10^{-1}
ENDF/B-VII BA-134
Non-threshold reactions

Cross section (barns)

Energy (MeV)
ENDF/B-VII BA-134
Principal cross sections

Energy (MeV)

Cross section (barns)

total
absorption
elastic

Energy (MeV)
ENDF/B-VII BA-134 Heating

Heating (MeV/reaction) vs. Energy (MeV)
ENDF/B-VII BA-134
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
ENDF/B-VII BA-134
Inelastic levels

Cross section (barns) vs Energy (MeV)

Lines represent different inelastic levels:
- (n,n*1)
- (n,n*2)
- (n,n*3)
- (n,n*4)
- (n,n*5)
ENDF/B-VII BA-134
Inelastic levels

Cross section (barns) vs. Energy (MeV)

- Black line: (n,n\textsuperscript{*11})
- Red line: (n,n\textsuperscript{*12})
- Green line: (n,n\textsuperscript{*13})

Energies: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20 MeV

Cross sections range from 10\textsuperscript{-3} to 20 barns.

Legend:
- (n,n\textsuperscript{*11})
- (n,n\textsuperscript{*12})
- (n,n\textsuperscript{*13})
ENDF/B-VII BA-134
Threshold reactions

Cross section (barns) vs. Energy (MeV)

- (n,2n)
- (n,3n)
- (n,n*)a
- (n,n*)p
- (n,n*c)
ENDF/B-VII BA-134
Threshold reactions

![Graph showing threshold reactions for different reactions as a function of energy. The y-axis represents cross section in barns, and the x-axis represents energy in MeV. The reactions labeled are (n,xp), (n,xd), (n,xt), and (n,xa).]
ENDF/B-VII BA-134
angular distribution for elastic
 ENDF/B-VII BA-134
angular distribution for (n,3n)
ENDF/B-VII BA-134
angular distribution for (n,n*)a
ENDF/B-VII BA-134
angular distribution for (n,n*)p

Energy (MeV)

Cosine

Prob/Cos

$\theta$
ENDF/B-VII BA-134 Angular distribution for (n,n')
ENDF/B-VII BA-134
angular distribution for (n,n*2)
ENDF/B-VII BA-134
angular distribution for (n,n^3)
ENDF/B-VII BA-134
angular distribution for (n,n*)
ENDF/B-VII BA-134
angular distribution for \((n,n^*6)\)
angular distribution for \((n,n^*)\)
ENDF/B-VII BA-134
angular distribution for (n,n*8)
angular distribution for (n,n'9)
ENDF/B-VII BA-134
angular distribution for (n,n*10)
ENDF/B-VII BA-134
angular distribution for (n,n*11)
ENDF/B-VII BA-134
angular distribution for (n,n*12)
ENDF/B-VII BA-134
angular distribution for (n,n*13)
ENDF/B-VII BA-134
angular distribution for (n,n*c)
ENDF/B-VII BA-134
Neutron emission for \((n,2n)\)
ENDF/B-VII BA-134
Neutron emission for (n,n*)a
ENDF/B-VII BA-134
Neutron emission for \((n,n^*)p\)
ENDF/B-VII BA-134
Neutron emission for (n,n*c)