ENDF/B-VII PR-143
Principal cross sections

Energy (MeV) vs. Cross section (barns)

- total
- absorption
- elastic

Energy (MeV) range: $10^{-11}$ to $10^1$
Cross section range: $10^{-2}$ to $10^4$ barns
ENDF/B-VII PR-143
resonance total cross section

Energy (MeV) vs. Cross section (barns)
ENDF/B-VII PR-143
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
ENDF/B-VII PR-143
resonance absorption cross sections
ENDF/B-VII PR-143
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

Capture
ENDF/B-VII PR-143
UR total cross section
ENDF/B-VII PR-143
UR elastic cross section

Energy (MeV)

Cross section (barns)

- Inf. Dil.
- 100 b
ENDF/B-VII PR-143
UR capture cross section

Energy (MeV)

Cross section (barns)

Inf. Dil.

100 b
ENDF/B-VII PR-143
Principal cross sections

![Graph showing principal cross sections with axes labeled Energy (MeV) on the x-axis and Cross section (barns) on the y-axis. The graph includes three curves: total, absorption, and elastic.](image-url)
ENDF/B-VII PR-143
Heating

![Graph showing heating vs energy (MeV)](image-url)
ENDF/B-VII PR-143
Non-threshold reactions

Energy (MeV) vs Cross section (barns)

(n,gma)
ENDF/B-VII PR-143
Threshold reactions

Cross section (barns) vs. Energy (MeV)

- (n,2n)
- (n,3n)
- (n,n*)a
- (n,n*)p
- (n,n*)d
ENDF/B-VII PR-143
angular distribution for elastic
ENDF/B-VII PR-143

angular distribution for (n,2n)
ENDF/B-VII PR-143
angular distribution for (n,3n)
ENDF/B-VII PR-143
angular distribution for \((n,n^*)a\)
ENDF/B-VII PR-143
angular distribution for (n,n*)p
ENDF/B-VII PR-143
angular distribution for (n,n*)d
ENDF/B-VII PR-143
angular distribution for (n,n*)t
ENDF/B-VII PR-143
angular distribution for (n,n^1)

ENF/B-VII PR-143
angular distribution for (n,n^1)

Energy (MeV)

10 12 14 16 18 20

0 2 4 6 8

Cosine

0 -0.5 -1.0

Prob/Cos
ENDF/B-VII PR-143
angular distribution for (n,n*2)
ENDF/B-VII PR-143
angular distribution for \((n,n^*3)\)
ENDF/B-VII PR-143
angular distribution for (n,n*4)
ENDF/B-VII PR-143
angular distribution for (n,n*5)
ENDF/B-VII PR-143
angular distribution for (n,n*6)

Energy (MeV)

Pro/Cos

Cosine

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0

20 16 12 10 8 6 4 2 0

1.0 0.5 0.0 -0.5 -1.0

10 8 6 4 2 0

1.0 0.5 0.0 -0.5 -1.0

10 8 6 4 2 0
ENDF/B-VII PR-143
angular distribution for \((n,n^*7)\)
ENDF/B-VII PR-143
angular distribution for (n,n*8)
ENDF/B-VII PR-143
angular distribution for \((n,n^*9)\)
ENDF/B-VII PR-143
angular distribution for (n,n*10)
ENDF/B-VII PR-143
angular distribution for \((n,n^*c)\)
ENDF/B-VII PR-143
Neutron emission for (n,2n)
ENDF/B-VII PR-143
Neutron emission for (n,3n)
ENDF/B-VII PR-143
Neutron emission for \((n,n^*)a\)
ENDF/B-VII PR-143
Neutron emission for (n,n*)p
ENDF/B-VII PR-143
Neutron emission for \((n,n^*)d\)
ENDF/B-VII PR-143
Neutron emission for \((n,n^*)t\)
ENDF/B-VII PR-143
Neutron emission for (n,n*c)