ENDF/B-VII.1 CE-142
Principal cross sections

Energy (MeV) vs Cross section (barns)

- Total
- Absorption
- Elastic
ENDF/B-VII.1 CE-142
resonance total cross section

Cross section (barns) vs. Energy (MeV)
ENDF/B-VII.1 CE-142
resonance total cross section
ENDF/B-VII.1 CE-142
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 CE-142
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 CE-142
resonance absorption cross sections

Energy (MeV)
Cross section (barns)
ENDF/B-VII.1 CE-142
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
ENDF/B-VII.1 CE-142
UR elastic cross section

Energy (MeV) vs. Cross section (barns)
ENDF/B-VII.1 CE-142
UR capture cross section

Energy (MeV)

Cross section (barns)

10^{-2}

10^{-1}

100 b

1 b

Inf. Dil.
ENDF/B-VII.1 CE-142
Principal cross sections

Energy (MeV)

Cross section (barns)

0 1 2 3 4 5 6 7 8

2 4 6 8 10 12 14 16 18 20

Energy (MeV)

Total, absorption, elastic
ENDF/B-VII.1 CE-142
Damage

Energy (MeV) vs. Damage (MeV-barns)

- Damage (MeV-barns) ranges from 0 to 350
- Energy (MeV) ranges from 0 to 20
ENDF/B-VII.1 CE-142
Non-threshold reactions

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 CE-142
Inelastic levels

Energy (MeV)

Cross section (barns)

- (n,n*1)
- (n,n*2)
- (n,n*3)
- (n,n*4)
- (n,n*5)
ENDF/B-VII.1 CE-142
Threshold reactions

Cross section (barns) vs. Energy (MeV)

- (n,a)
ENDF/B-VII.1 CE-142
Threshold reactions

Energy (MeV)

Cross section (barns)

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

Energy (MeV)
ENDF/B-VII.1 CE-142
angular distribution for elastic
ENDF/B-VII.1 CE-142
angular distribution for (n,2n)
ENDF/B-VII.1 CE-142
angular distribution for (n,3n)
ENDF/B-VII.1 CE-142
angular distribution for (n,n*)a
ENDF/B-VII.1 CE-142
angular distribution for (n,n*)p
ENDF/B-VII.1 CE-142
angular distribution for (n,n*)d
ENDF/B-VII.1 CE-142
angular distribution for (n,n*)t
ENDF/B-VII.1 CE-142
angular distribution for (n,n*1)
ENDF/B-VII.1 CE-142
angular distribution for (n,n*2)
ENDF/B-VII.1 CE-142
angular distribution for (n,n*3)
ENDF/B-VII.1 CE-142
angular distribution for (n,n*4)
ENDF/B-VII.1 CE-142
angular distribution for (n,n*5)
ENDF/B-VII.1 CE-142
angular distribution for \((n,n^*6)\)
ENDF/B-VII.1 CE-142
angular distribution for (n,n*8)
ENDF/B-VII.1 CE-142
angular distribution for (n,n*9)
ENDF/B-VII.1 CE-142
angular distribution for (n,n*c)
ENDF/B-VII.1 CE-142
Neutron emission for (n,2n)
ENDF/B-VII.1 CE-142
Neutron emission for (n,3n)
ENDF/B-VII.1 CE-142
Neutron emission for (n,n*)a
ENDF/B-VII.1 CE-142
Neutron emission for \((n,n^*)p\)
ENDF/B-VII.1 CE-142
Neutron emission for \((n,n^*)d\)
ENDF/B-VII.1 CE-142
Neutron emission for \((n,n^*)t\)
ENDF/B-VII.1 CE-142
Neutron emission for (n,n*c)