ENDF/B-VII.1 IN-115
Principal cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 IN-115
resonance total cross section

Energy (MeV)

Cross section (barns)

- total
ENDF/B-VII.1 IN-115
resonance total cross section

Energy (MeV) vs. Cross section (barns)

- Energy range: $10^{-5}$ to $10^{-4}$ MeV
- Cross section range: $10^{-4}$ to $10^3$ barns

The graph shows the total cross section as a function of energy for the IN-115 isotope.
ENDF/B-VII.1 IN-115
resonance total cross section

Energy (MeV)

Cross section (barns)

$10^{-4}$ $10^{-3}$

$10^1$ $10^2$

$10^3$
ENDF/B-VII.1 IN-115
resonance total cross section

Energy (MeV)

Cross section (barns)

10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2}
ENDF/B-VII.1 IN-115 resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 IN-115
resonance absorption cross sections

Energy (MeV)
Cross section (barns)
capture
ENDF/B-VII.1 IN-115
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 IN-115
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 IN-115
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 IN-115
resonance absorption cross sections

capture
ENDF/B-VII.1 IN-115
UR total cross section

Energy (MeV)

Cross section (barns)

Inf. Dil.
100 b
1 b
ENDF/B-VII.1 IN-115
UR elastic cross section

Energy (MeV)

Cross section (barns)

Inf. Dil.
100 b
1 b
ENDF/B-VII.1 IN-115
Non-threshold reactions

Energy (MeV) vs Cross section (barns)

(n,gma)
ENDF/B-VII.1 IN-115
Principal cross sections

Energy (MeV)

Cross section (barns)

total
absorption
elastic

Energy (MeV)
ENDF/B-VII.1 IN-115 Heating

Heating (MeV/reaction) vs. Energy (MeV) graph.
ENDF/B-VII.1 IN-115
Non-threshold reactions

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 IN-115
Inelastic levels

![Graph showing inelastic levels with different cross sections for (n,n*6), (n,n*7), (n,n*8), (n,n*9), and (n,n*10) as a function of energy (MeV).]
ENDF/B-VII.1 IN-115
Threshold reactions

Energy (MeV)

Cross section (barns)

- (n,2n)
- (n,3n)
- (n,n*)a
- (n,n*)p
- (n,n*)d

Energy (MeV)
ENDF/B-VII.1 IN-115
Threshold reactions

Cross section (barns)

Energy (MeV)

(n,n*)t
(n,n*c)
(n,p)
(n,d)
(n,t)
ENDF/B-VII.1 IN-115
Threshold reactions

Energy (MeV)

Cross section (barns)

Cross section vs. Energy plot for IN-115, showing the threshold reaction (n,a) with energy in MeV on the x-axis and cross section in barns on the y-axis. The graph indicates an increasing trend as energy increases.
ENDF/B-VII.1 IN-115
angular distribution for elastic
ENDF/B-VII.1 IN-115 angular distribution for (n,2n)
ENDF/B-VII.1 IN-115 angular distribution for (n,3n)
ENDF/B-VII.1 IN-115
angular distribution for (n,n*)a
ENDF/B-VII.1 IN-115
angular distribution for (n,n*)p
ENDF/B-VII.1 IN-115
angular distribution for (n,n*)d

Energy (MeV)

Prob/Cos

Cosine

-1.0 -0.5 0.0 0.5 1.0

-1.0 -0.5 0.0 0.5 1.0

14 15 16 17 18 19 20
ENDF/B-VII.1 IN-115
angular distribution for (n,n*)t
ENDF/B-VII.1 IN-115
angular distribution for (n,n*1)
ENDF/B-VII.1 IN-115
angular distribution for (n,n*2)
ENDF/B-VII.1 IN-115
angular distribution for (n,n*3)
ENDF/B-VII.1 IN-115
angular distribution for (n,n*4)
ENDF/B-VII.1 IN-115
angular distribution for (n,n*5)
ENDF/B-VII.1 IN-115
angular distribution for (n,n*6)
ENDF/B-VII.1 IN-115
angular distribution for (n,n*7)
ENDF/B-VII.1 IN-115
angular distribution for (n,n*8)
ENDF/B-VII.1 IN-115
angular distribution for \((n,n^*9)\)
ENDF/B-VII.1 IN-115
angular distribution for \((n,n^\ast 10)\)
ENDF/B-VII.1 IN-115
angular distribution for (n,n*11)
ENDF/B-VII.1 IN-115
angular distribution for (n,n*12)
ENDF/B-VII.1 IN-115
angular distribution for (n,n*13)
ENDF/B-VII.1 IN-115
angular distribution for \((n,n^*c)\)
ENDF/B-VII.1 IN-115
Neutron emission for (n,2n)
ENDF/B-VII.1 IN-115
Neutron emission for (n,3n)
ENDF/B-VII.1 IN-115
Neutron emission for (n,n*)a
ENDF/B-VII.1 IN-115
Neutron emission for (n,n*)p
ENDF/B-VII.1 IN-115
Neutron emission for (n,n*)d
ENDF/B-VII.1 IN-115
Neutron emission for (n,n*)t
ENDF/B-VII.1 IN-115
Neutron emission for \((n,n^*c)\)