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

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
ENDF/B-VII.1 SN-115
resonance total cross section
ENDF/B-VII.1 SN-115
resonance total cross section

Energy (MeV)

Cross section (barns)

10^0  10^1

$\text{total}$
ENDF/B-VII.1 SN-115
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

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

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

10^{-4} 10^{-3} 10^{0} 10^{1} 10^{2}
ENDF/B-VII.1 SN-115
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

10^{-3}
10^{-2}
10^{-1}
10^0
10^1
ENDF/B-VII.1 SN-115
UR total cross section
ENDF/B-VII.1 SN-115
UR capture cross section

Cross section (barns) vs. Energy (MeV)

Inf. Dil. 100 b 1 b

The graph shows the capture cross section for SN-115 in the energy range of 0.1 to 100 MeV.
ENDF/B-VII.1 SN-115
Non-threshold reactions

Energy (MeV) vs. Cross section (barns) for SN-115. The graph shows the cross section data for different energy levels, with a peak at around 10^{-3} MeV, indicating significant cross section values in that energy range. The (n,gma) reaction is indicated on the graph.
ENDF/B-VII.1 SN-115 Heating

Heating (MeV/reaction) vs. Energy (MeV)

- Heating curve shows an initial increase, a peak, followed by a decrease, and then a steady increase towards higher energies.
ENDF/B-VII.1 SN-115 Damage

Energy (MeV)

Damage (MeV-barns)

Damage
ENDF/B-VII.1 SN-115
Non-threshold reactions

Cross section (barns)

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

Cross section (barns)

Energy (MeV)

(n,n*6)
(n,n*7)
(n,n*8)
(n,n*9)
(n,n*10)
ENDF/B-VII.1 SN-115
Inelastic levels

Energy (MeV)

Cross section (barns)

*(n,n*11)
*(n,n*12)
*(n,n*13)
*(n,n*14)
*(n,n*15)
ENDF/B-VII.1 SN-115
Inelastic levels

Cross section (barns) vs. Energy (MeV):
- The peak cross section occurs at an energy around 2 MeV.
- The cross section decreases rapidly with increasing energy.

Legend:
- (n,n*16)
ENDF/B-VII.1 SN-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 SN-115
Threshold reactions

Energy (MeV)

Cross section (barns)

- (n,n^c)
- (n,p)
- (n,d)
- (n,t)
- (n,he3)
ENDF/B-VII.1 SN-115
Threshold reactions

Energy (MeV) vs. Cross section (barns)

*10^{-3} (n,a)
ENDF/B-VII.1 SN-115
angular distribution for elastic
ENDF/B-VII.1 SN-115
angular distribution for (n,2n)
ENDF/B-VII.1 SN-115
angular distribution for (n,3n)
ENDF/B-VII.1 SN-115
angular distribution for \((n,n^*)a\)
ENDF/B-VII.1 SN-115 angular distribution for (n,n*)p
ENDF/B-VII.1 SN-115
angular distribution for (n,n*)d
ENDF/B-VII.1 SN-115
angular distribution for (n,n*1)
ENDF/B-VII.1 SN-115
angular distribution for (n,n*2)
ENDF/B-VII.1 SN-115
angular distribution for (n,n*3)
ENDF/B-VII.1 SN-115
angular distribution for (n,n*4)
ENDF/B-VII.1 SN-115
angular distribution for (n,n*5)
ENDF/B-VII.1 SN-115
angular distribution for (n,n*6)
ENDF/B-VII.1 SN-115
angular distribution for (n,n*7)
ENDF/B-VII.1 SN-115
angular distribution for (n,n*8)
ENDF/B-VII.1 SN-115
angular distribution for (n,n*9)
ENDF/B-VII.1 SN-115
angular distribution for (n,n*10)
ENDF/B-VII.1 SN-115
angular distribution for (n,n*11)
ENDF/B-VII.1 SN-115
angular distribution for (n,n*12)
ENDF/B-VII.1 SN-115
angular distribution for (n,n*13)
ENDF/B-VII.1 SN-115
angular distribution for (n,n*14)
ENDF/B-VII.1 SN-115
angular distribution for \( (n,n^*15) \)
ENDF/B-VII.1 SN-115
angular distribution for (n,n*16)
ENDF/B-VII.1 SN-115
angular distribution for (n,n*c)
ENDF/B-VII.1 SN-115
Neutron emission for (n,2n)
ENDF/B-VII.1 SN-115
Neutron emission for (n,3n)
ENDF/B-VII.1 SN-115
Neutron emission for (n,n*)a
ENDF/B-VII.1 SN-115
Neutron emission for (n,n*)p
ENDF/B-VII.1 SN-115
Neutron emission for (n,n*)d
ENDF/B-VII.1 SN-115
Neutron emission for (n,n*c)