ENDF/B-VII.1 HF-174
Principal cross sections

Cross section (barns)

Energy (MeV)

- total
- absorption
- elastic
- gamma production
ENDF/B-VII.1 HF-174
resonance total cross section
ENDF/B-VII.1 HF-174
resonance total cross section
ENDF/B-VII.1 HF-174
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 HF-174
resonance total cross section

Energy (MeV)

Cross section (barns)

total
ENDF/B-VII.1 HF-174
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 HF-174
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
ENDF/B-VII.1 HF-174
resonance absorption cross sections
ENDF/B-VII.1 HF-174
resonance absorption cross sections

Energy (MeV) vs. Cross section (barns) graph

- Capture cross section

10^0 cross section scale
10^-1 energy scale
ENDF/B-VII.1 HF-174
resonance absorption cross sections

Cross section (barns) vs. Energy (MeV)

- Capture cross section
ENDF/B-VII.1 HF-174
UR total cross section

Energy (MeV)

Cross section (barns)

- Inf. Dil.
- 100 b
- 1 b
ENDF/B-VII.1 HF-174
UR elastic cross section

Energy (MeV) vs Cross section (barns)

- Inf. Dil.
- 100 b
- 1 b

Energy (MeV) on a logarithmic scale (10^{-4} to 10^{-2})
Cross section (barns) on a logarithmic scale (10^1 to 10^2)
ENDF/B-VII.1 HF-174
UR capture cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 HF-174
Principal cross sections

![Graph showing cross sections vs energy](image-url)
ENDF/B-VII.1 HF-174
Non-threshold reactions

![Graph showing the cross section (barns) vs. energy (MeV) for (n,gma) reaction. The cross section decreases significantly with increasing energy.]
ENDF/B-VII.1 HF-174
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 HF-174
Inelastic levels

Energy (MeV)

Cross section (barns)

- (n,n*16)
- (n,n*17)
- (n,n*18)
ENDF/B-VII.1 HF-174
angular distribution for elastic
ENDF/B-VII.1 HF-174
angular distribution for (n,n*1)
ENDF/B-VII.1 HF-174
angular distribution for (n,n^2)
ENDF/B-VII.1 HF-174
angular distribution for (n,n*3)
ENDF/B-VII.1 HF-174 angular distribution for \((n,n^*4)\)
ENDF/B-VII.1 HF-174
angular distribution for (n,n*5)
ENDF/B-VII.1 HF-174
angular distribution for (n,n*6)
ENDF/B-VII.1 HF-174
angular distribution for (n,n*7)
ENDF/B-VII.1 HF-174
angular distribution for (n,n*8)
ENDF/B-VII.1 HF-174
angular distribution for (n,n*9)
ENDF/B-VII.1 HF-174
angular distribution for (n,n*10)
ENDF/B-VII.1 HF-174
angular distribution for (n,n*11)
ENDF/B-VII.1 HF-174
angular distribution for $(n,n^{*12})$
ENDF/B-VII.1 HF-174
angular distribution for (n,n*13)

Energy (MeV)

Cosine

Probi|Cos

10^0

1.0 0.5 0.0 -0.5 -1.0 0
ENDF/B-VII.1 HF-174
angular distribution for \( (n,n^*14) \)
ENDF/B-VII.1 HF-174
angular distribution for (n,n*15)
ENDF/B-VII.1 HF-174
angular distribution for (n,n*16)
ENDF/B-VII.1 HF-174
angular distribution for (n,n*17)
ENDF/B-VII.1 HF-174
angular distribution for (n,n*18)
ENDF/B-VII.1 HF-174
Neutron emission for (n,2n)
ENDF/B-VII.1 HF-174
Neutron emission for (n,3n)
ENDF/B-VII.1 HF-174
Neutron emission for (n,n*c)
ENDF/B-VII.1 HF-174
Photon emission for (n,2n)
ENDF/B-VII.1 HF-174
Photon emission for \((n,3n)\)
ENDF/B-VII.1 HF-174
Photon emission for \((n,n^\ast c)\)
ENDF/B-VII.1 HF-174
Photon emission for (n,gma)
ENDF/B-VII.1 HF-174
thermal capture photon spectrum
ENDF/B-VII.1 HF-174
14 MeV photon spectrum