ENDF/B-VII.1 HG-198
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
- gamma production
ENDF/B-VII.1 HG-198
resonance total cross section

Energy (MeV)

Cross section (barns)
ENDF/B-VII.1 HG-198
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 HG-198
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 HG-198
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 HG-198
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 HG-198 Damage

Energy (MeV) vs. Damage (MeV-barns)
ENDF/B-VII.1 HG-198

Heating

Energy (MeV)

Heating (MeV/reaction)

heating
ENDF/B-VII.1 HG-198
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
(n,a)
(n,xa)
ENDF/B-VII.1 HG-198
Inelastic levels

Energy (MeV)

Cross section (barns)

- (n,n*1)
- (n,n*2)
- (n,n*3)
- (n,n*4)
- (n,n*5)

Energy (MeV)
ENDF/B-VII.1 HG-198
Threshold reactions

Energy (MeV)

Cross section (barns)

(n,x)  (n,2n)  (n,3n)  (n,n^*)a  (n,n^*)p

0.0  0.5  1.0  1.5  2.0  2.5  3.0

0  20  40  60  80  100  120  140  160
ENDF/B-VII.1 HG-198
angular distribution for elastic
ENDF/B-VII.1 HG-198
angular distribution for elastic

Probability (Cosine)

Energy (MeV)
ENDF/B-VII.1 HG-198
angular distribution for \((n,n^*1)\)
ENDF/B-VII.1 HG-198
angular distribution for (n,n*2)
ENDF/B-VII.1 HG-198
angular distribution for (n,n*3)
ENDF/B-VII.1 HG-198
angular distribution for (n,n*4)
ENDF/B-VII.1 HG-198
angular distribution for (n,n*5)
ENDF/B-VII.1 HG-198
angular distribution for (n,n*6)
ENDF/B-VII.1 HG-198
angular distribution for (n,n*7)
ENDF/B-VII.1 HG-198
angular distribution for (n,n*8)
ENDF/B-VII.1 HG-198
angular distribution for (n,n*9)
ENDF/B-VII.1 HG-198
angular distribution for (n,n*10)
ENDF/B-VII.1 HG-198 angular distribution for (n,n*11)
ENDF/B-VII.1 HG-198
angular distribution for (n,n*12)
ENDF/B-VII.1 HG-198
angular distribution for (n,n*13)
ENDF/B-VII.1 HG-198
angular distribution for (n,n*14)
ENDF/B-VII.1 HG-198
angular distribution for (n,n*15)
ENDF/B-VII.1 HG-198
angular distribution for (n,n*16)
ENDF/B-VII.1 HG-198
angular distribution for (n,n*17)
ENDF/B-VII.1 HG-198
angular distribution for (n,n*18)
ENDF/B-VII.1 HG-198
angular distribution for (n,n^*19)
ENDF/B-VII.1 HG-198
angular distribution for \( (n,n^*c) \)
ENDF/B-VII.1 HG-198
Neutron emission for (n,x)
ENDF/B-VII.1 HG-198
Neutron emission for (n,2n)
ENDF/B-VII.1 HG-198
Neutron emission for (n,3n)
ENDF/B-VII.1 HG-198
Neutron emission for (n,n*)a
ENDF/B-VII.1 HG-198
Neutron emission for (n,n*)p
ENDF/B-VII.1 HG-198
Neutron emission for (n,n*c)
ENDF/B-VII.1 HG-198
Photon emission for (n,2n)
ENDF/B-VII.1 HG-198
Photon emission for (n,3n)
ENDF/B-VII.1 HG-198
Photon emission for (n,n*)a
ENDF/B-VII.1 HG-198
Photon emission for (n,n*)p
ENDF/B-VII.1 HG-198
Photon emission for \((n,n^*c)\)
ENDF/B-VII.1 HG-198
Photon emission for (n,gma)
ENDF/B-VII.1 HG-198
Photon emission for (n,p)
ENDF/B-VII.1 HG-198
Photon emission for (n,d)
Photon emission for (n,a)
ENDF/B-VII.1 HG-198
thermal capture photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)
ENDF/B-VII.1 HG-198
14 MeV photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)
ENDF/B-VII.1 HG-198
Particle heating contributions

- protons
- deuterons
- tritons
- alphas
ENDF/B-VII.1 HG-198
Recoil Heating

Energy (MeV) vs. Heating (MeV/reaction) graph.
Particle production cross sections

Cross section (barns) vs. Energy (MeV)

- **Protons**
- **Deuterons**
- **Tritons**
- **Alphas**
ENDF/B-VII.1 HG-198
protons from (n,x)
ENDF/B-VII.1 HG-198
deuterons from (n,x)
ENDF/B-VII.1 HG-198
tritons from (n,x)
ENDF/B-VII.1 HG-198
alphas from (n,x)