ENDF/B-VII HG-204
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
- gamma production
ENDF/B-VII HG-204
Heating

Heating (MeV/reaction) vs. Energy (MeV)
ENDF/B-VII HG-204
Damage

Energy (MeV)

Damage (MeV-barns)

- Damage
ENDF/B-VII HG-204
Non-threshold reactions

Cross section (barns) vs. Energy (MeV)
ENDF/B-VII HG-204
Principal cross sections

Cross section (barns)

Energy (MeV)

- total
- absorption
- elastic
- gamma production
ENDF/B-VII HG-204

Heating

Heating (MeV/reaction) vs. Energy (MeV)
ENDF/B-VII HG-204

Damage

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

- Damage line

Energy (MeV) range from 0 to 160

Damage (MeV-barns) range from 0 to 6 * 10^{-3}
ENDF/B-VII HG-204
Non-threshold reactions

Energy (MeV)

Cross section (barns)

\( (n,g\alpha) \)
ENDF/B-VII HG-204
Inelastic levels

Cross section (barns)

Energy (MeV)
ENDF/B-VII HG-204
Inelastic levels

Cross section (barns) vs. Energy (MeV)

- (n,n*11)
- (n,n*12)
- (n,n*13)
- (n,n*14)
- (n,n*15)
Inelastic levels

Cross section (barns) vs. Energy (MeV)

- Black line: (n,n*16)
- Red line: (n,n*17)
- Green line: (n,n*18)
ENDF/B-VII HG-204
Threshold reactions

Energy (MeV)

Cross section (barns)

(n,x)  (n,2n)  (n,3n)  (n,n*)a  (n,n*)p
ENDF/B-VII HG-204
Threshold reactions

Cross section (barns)

Energy (MeV)
angular distribution for elastic

ENDF/B-VII HG-204
angular distribution for elastic
ENDF/B-VII HG-204
angular distribution for (n,n*1)
ENDF/B-VII HG-204
angular distribution for \( (n,n^*2) \)
ENDF/B-VII HG-204
angular distribution for \((n,n*4)\)
ENDF/B-VII HG-204
angular distribution for (n,n*5)
ENDF/B-VII HG-204
angular distribution for (n,n*6)
ENDF/B-VII HG-204
angular distribution for \( (n,n^*7) \)
ENDF/B-VII HG-204
angular distribution for (n,n*8)
ENDF/B-VII HG-204
angular distribution for (n,n*9)
ENDF/B-VII HG-204
angular distribution for (n,n*10)
ENDF/B-VII HG-204

Angular distribution for (n,n*11)
ENDF/B-VII HG-204
angular distribution for $(n, n^*12)$
ENDF/B-VII HG-204
angular distribution for (n,n*13)
ENDF/B-VII HG-204
angular distribution for $(n,n^*14)$
ENDF/B-VII HG-204
angular distribution for (n,n^15)
ENFD/B-VII HG-204
angular distribution for \((n, n'16)\)
ENDF/B-VII HG-204
angular distribution for (n,n^{*}17)
ENDF/B-VII HG-204
angular distribution for (n,n*18)
ENDF/B-VII HG-204
angular distribution for (n,n*c)
ENDF/B-VII HG-204
Neutron emission for (n,x)
ENDF/B-VII HG-204
Neutron emission for (n,2n)
ENDF/B-VII HG-204
Neutron emission for (n,3n)
ENDF/B-VII HG-204
Neutron emission for \((n,n^*)\)a
ENDF/B-VII HG-204
Neutron emission for (n,n*)p
ENDF/B-VII HG-204
Neutron emission for \((n,n^\ast c)\)
ENDF/B-VII HG-204
Photon emission for (n,2n)
ENDF/B-VII HG-204
Photon emission for (n,3n)
ENDF/B-VII HG-204
Photon emission for (n,n\textsuperscript{*})a
Photon emission for (n,n*)p
ENDF/B-VII HG-204
Photon emission for (n,n*c)
ENDF/B-VII HG-204
Photon emission for \((n,\text{gma})\)
ENDF/B-VII HG-204
Photon emission for (n,p)
ENDF/B-VII HG-204
Photon emission for (n,d)
ENDF/B-VII HG-204
Photon emission for (n,a)
ENDF/B-VII HG-204
Photon emission for (n,x)
ENDF/B-VII HG-204
thermal capture photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)
ENDF/B-VII HG-204
14 MeV photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)
ENDF/B-VII HG-204
deuterons from (n,x)
ENDF/B-VII HG-204
tritons from (n,x)
ENDF/B-VII HG-204
alphas from (n,x)