ENDF/B-VI B-11
Principal cross sections

Cross section (barns)

Energy (MeV)

- total
- absorption
- elastic
- gamma production
ENDF/B-VI B-11
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VI B-11 resonance absorption cross sections

Energy (MeV) vs. Cross section (barns)

- Capture cross section
ENDF/B-VI B-11
Non-threshold reactions

Energy (MeV) vs. Cross section (barns)
ENDF/B-VI B-11
Principal cross sections

Cross section (barns)

Energy (MeV)

- total
- absorption
- elastic
- gamma production
ENDF/B-VI B-11
Damage

Damage (MeV-barns)

Energy (MeV)
ENDF/B-VI B-11
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
ENDF/B-VI B-11
Threshold reactions

Cross section (barns) vs. Energy (MeV)

- (n,2n)
- (n,n*)a
- (n,n*)p
- (n,n*c)
- (n,p)
ENDF/B-VI B-11
Threshold reactions

Energy (MeV)

Cross section (barns)

*(n,t)*

*(n,a)*
ENDF/B-VI B-11
Threshold reactions

Energy (MeV)

Cross section (barns)

- (n,xp)
- (n,xt)
- (n,xa)

Energy (MeV)
ENDF/B-VI B-11
angular distribution for elastic
ENDF/B-VI B-11
angular distribution for (n,n*1)
ENDF/B-VI B-11
angular distribution for (n,n*2)
ENDF/B-VI B-11
angular distribution for (n,n*3)
ENDF/B-VI B-11
angular distribution for (n,n*4)
ENDF/B-VI B-11
angular distribution for (n,n*5)
ENDF/B-VI B-11
Neutron emission for (n,2n)
ENDF/B-VI B-11
Neutron emission for \((n,n^*)a\)
ENDF/B-VI B-11
Neutron emission for \((n,n^*)p\)
ENDF/B-VI B-11
Neutron emission for (n,n*c)
ENDF/B-VI B-11
Photon emission for (n,2n)
ENDF/B-VI B-11
Photon emission for (n,n*)a

\[ P_r/M_e V \]

\[ E_\gamma(M_{eV}) \]

\[ E_n(M_{eV}) \]

\[ 10^{-2}, 10^0, 10^2 \]

\[ 0.4, 0.5, 0.6, 0.8, 10, 12, 14, 16, 18, 20 \]
ENDF/B-VI B-11
Photon emission for (n,n*)p
ENDF/B-VI B-11
Photon emission for (n,n*c)
ENDF/B-VI B-11
Photon emission for (n,p)
ENDF/B-VI B-11
Photon emission for (n,a)
ENDF/B-VI B-11 thermal capture photon spectrum
ENDF/B-VI B-11
14 MeV photon spectrum
ENDF/B-VI B-11
Particle heating contributions

Energy (MeV)

Protons
Alphas

MeV/collision

Energy (MeV)
ENDF/B-VI B-11
Particle production cross sections

Cross section (barns) vs. Energy (MeV)

- Protons
- Alphas
ENDF/B-VI B-11
protons from (n,n*)p
ENDF/B-VI B-11
protons from (n,p)
ENDF/B-VI B-11
alphas from (n,n*)a
ENDF/B-VI B-11
alphas from (n,a)