ENDF/B-VII.1 PB-206
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 PB-206
resonance total cross section

Energy (MeV)

Cross section (barns)

total
ENDF/B-VII.1 PB-206
resonance total cross section

Energy (MeV)

Cross section (barns)

total
ENDF/B-VII.1 PB-206
resonance total cross section
ENDF/B-VII.1 PB-206
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
ENDF/B-VII.1 PB-206
resonance absorption cross sections
ENDF/B-VII.1 PB-206
resonance absorption cross sections

Capture cross section as a function of energy (MeV), with cross section values ranging from $10^{-3}$ to a peak above $10^1$ barns.
ENDF/B-VII.1 PB-206 Damage

Energy (MeV) vs Damage (MeV-barns)
ENDF/B-VII.1 PB-206
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
(n,a)
(n,xa)
Principal cross sections

Energy (MeV) vs. Cross section (barns)

- **Total**
- **Absorption**
- **Elastic**
- **Gamma production**
ENDF/B-VII.1 PB-206
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
(n,a)
(n,xa)
ENDF/B-VII.1 PB-206
Inelastic levels

![Graph showing cross section vs. energy for different inelastic levels.](image-url)
ENDF/B-VII.1 PB-206
Inelastic levels

![Graph showing cross-sections for different inelastic levels as a function of energy (MeV). The x-axis represents energy in MeV, and the y-axis represents cross-section in barns. The graph includes curves for (n,n*16), (n,n*17), (n,n*18), (n,n*19), and (n,n*20).]
ENDF/B-VII.1 PB-206
Threshold reactions

Energy (MeV)

Cross section (barns)

- (n,n*)p
- (n,n*)d
- (n,n*)t
- (n,2np)
- (n,n*c)
ENDF/B-VII.1 PB-206
Threshold reactions

Cross section (barns)

Energy (MeV)

- (n,xp)
- (n,xd)
- (n,xt)
- (n,xhe3)
- (n,p^0)
ENDF/B-VII.1 PB-206
Threshold reactions

Cross section (barns) vs. Energy (MeV)

(n,p\(^*1\))
(n,p\(^*2\))
(n,p\(^*3\))
(n,p\(^*4\))
(n,p\(^*5\))
ENDF/B-VII.1 PB-206
Threshold reactions

Energy (MeV)

Cross section (barns)

(n,p*)
(n,d*)
(n,d*)
(n,d*)
(n,d*)

Energy (MeV)
ENDF/B-VII.1 PB-206
Threshold reactions

Energy (MeV)  Cross section (barns)

(n,d*4)
(n,d*5)
(n,d*c)
(n,t*0)
(n,t*1)
Threshold reactions

Cross section (barns) vs. Energy (MeV)

- (n,t^2)
- (n,t^3)
- (n,t^4)
- (n,t^5)
- (n,t^c)
ENDF/B-VII.1 PB-206
angular distribution for elastic

![Graph showing angular distribution for elastic scattering.](image-url)
ENDF/B-VII.1 PB-206
angular distribution for elastic
ENDF/B-VII.1 PB-206
angular distribution for (n,n*1)
ENDF/B-VII.1 PB-206
angular distribution for (n,n*2)
ENDF/B-VII.1 PB-206
angular distribution for (n,n*3)
ENDF/B-VII.1 PB-206
angular distribution for (n,n*4)
ENDF/B-VII.1 PB-206
angular distribution for (n,n*5)
ENDF/B-VII.1 PB-206
angular distribution for (n,n*6)
ENDF/B-VII.1 PB-206
angular distribution for (n,n*7)
ENDF/B-VII.1 PB-206
angular distribution for (n,n*8)
ENDF/B-VII.1 PB-206
angular distribution for (n,n*9)
ENDF/B-VII.1 PB-206
angular distribution for (n,n*10)
ENDF/B-VII.1 PB-206
angular distribution for (n,n*11)
ENDF/B-VII.1 PB-206
angular distribution for (n,n*12)
ENDF/B-VII.1 PB-206
angular distribution for \((n,n^{*}13)\)
ENDF/B-VII.1 PB-206
angular distribution for \((n,n^*15)\)
ENDF/B-VII.1 PB-206
angular distribution for (n,n*17)
ENDF/B-VII.1 PB-206
angular distribution for \((n,n^*18)\)
ENDF/B-VII.1 PB-206
angular distribution for (n,n*19)
ENDF/B-VII.1 PB-206
angular distribution for (n,n*20)
ENDF/B-VII.1 PB-206
angular distribution for (n,n^*21)
ENDF/B-VII.1 PB-206
angular distribution for (n,n*22)
ENDF/B-VII.1 PB-206
angular distribution for (n,n*23)
ENDF/B-VII.1 PB-206
angular distribution for (n,n*24)
ENDF/B-VII.1 PB-206
angular distribution for (n,n*25)
ENDF/B-VII.1 PB-206
Neutron emission for (n,2n)
ENDF/B-VII.1 PB-206
Neutron emission for (n,3n)
ENDF/B-VII.1 PB-206
Neutron emission for (n,n*)a
ENDF/B-VII.1 PB-206
Neutron emission for (n,2n)a
ENDF/B-VII.1 PB-206
Neutron emission for \((n,n^*)d\)
ENDF/B-VII.1 PB-206
Neutron emission for \((n,n^*)t\)
ENDF/B-VII.1 PB-206
Neutron emission for (n,2np)
ENDF/B-VII.1 PB-206
Neutron emission for \((n,n^*c)\)
ENDF/B-VII.1 PB-206
Photon emission for (n,x)
ENDF/B-VII.1 PB-206
Photon emission for (n,2n)
Photon emission for (n,3n)
ENDF/B-VII.1 PB-206
Photon emission for \((n, n^*) a\)
Photon emission for (n,2n)a

ENDF/B-VII.1 PB-206
Photon emission for \((n,n^*)d\)
ENDF/B-VII.1 PB-206
Photon emission for \((n,n^*)t\)
ENDF/B-VII.1 PB-206
Photon emission for (n,2np)
ENDF/B-VII.1 PB-206
Photon emission for (n,n\(^*\)2)
ENDF/B-VII.1 PB-206
Photon emission for \((n,n^3)\)
ENDF/B-VII.1 PB-206
Photon emission for (n,n*4)
ENDF/B-VII.1 PB-206
Photon emission for \((n,n^*5)\)
ENDF/B-VII.1 PB-206
Photon emission for \( (n,n^*6) \)
ENDF/B-VII.1 PB-206
Photon emission for (n,n*7)
ENDF/B-VII.1 PB-206
Photon emission for (n,n*8)
ENDF/B-VII.1 PB-206
Photon emission for (n,n*9)
ENDF/B-VII.1 PB-206
Photon emission for \( (n,n^{*10}) \)
ENDF/B-VII.1 PB-206
Photon emission for (n,n*11)
ENDF/B-VII.1 PB-206
Photon emission for (n,n*12)
Photon emission for (n,n*13)
ENDF/B-VII.1 PB-206
Photon emission for \((n,n^{*14})\)
ENDF/B-VII.1 PB-206
Photon emission for (n,n*15)
ENDF/B-VII.1 PB-206
Photon emission for (n,n*16)
ENDF/B-VII.1 PB-206
Photon emission for (n,n^{17})
ENDF/B-VII.1 PB-206
Photon emission for (n,n*18)
ENDF/B-VII.1 PB-206
Photon emission for (n,n*20)
ENDF/B-VII.1 PB-206
Photon emission for (n,n*21)
ENDF/B-VII.1 PB-206
Photon emission for (n,n*22)
ENDF/B-VII.1 PB-206
Photon emission for (n,n*23)
ENDF/B-VII.1 PB-206
Photon emission for \((n,n^*24)\)
ENDF/B-VII.1 PB-206
Photon emission for (n,n*25)
ENDF/B-VII.1 PB-206
Photon emission for (n,gma)
ENDF/B-VII.1 PB-206
Photon emission for (n,2a)
ENDF/B-VII.1 PB-206
Photon emission for (n,p*1)
ENDF/B-VII.1 PB-206
Photon emission for (n,p*2)
ENDF/B-VII.1 PB-206
Photon emission for (n,p*3)
ENDF/B-VII.1 PB-206
Photon emission for (n,p*4)
ENDF/B-VII.1 PB-206
Photon emission for (n,p*6)
ENDF/B-VII.1 PB-206
Photon emission for (n,p*7)
ENDF/B-VII.1 PB-206
Photon emission for (n,p*10)
ENDF/B-VII.1 PB-206
Photon emission for (n,p*c)
ENDF/B-VII.1 PB-206
Photon emission for (n,d*1)
ENDF/B-VII.1 PB-206
 Photon emission for (n,d*2)
ENDF/B-VII.1 PB-206
Photon emission for (n,d*3)
ENDF/B-VII.1 PB-206
Photon emission for (n,d*4)
ENDF/B-VII.1 PB-206
Photon emission for (n,d*5)
ENDF/B-VII.1 PB-206
Photon emission for (n,d*c)
ENDF/B-VII.1 PB-206
Photon emission for (n,t*1)
ENDF/B-VII.1 PB-206
Photon emission for (n,t*2)
ENDF/B-VII.1 PB-206
Photon emission for (n,t*3)
ENDF/B-VII.1 PB-206
Photon emission for (n,t*4)
ENDF/B-VII.1 PB-206
Photon emission for (n,t*5)
ENDF/B-VII.1 PB-206
Photon emission for (n,t*c)
Photon emission for (n,a*1)
ENDF/B-VII.1 PB-206
Photon emission for (n,a*2)
Photon emission for (n,a*4)
ENDF/B-VII.1 PB-206
Photon emission for (n,a*5)
ENDF/B-VII.1 PB-206
Photon emission for (n,a*6)
ENDF/B-VII.1 PB-206
Photon emission for (n,a*7)
ENDF/B-VII.1 PB-206
Photon emission for $(n,a^8)$
ENDF/B-VII.1 PB-206
Photon emission for \( (n,a^{*9}) \)
ENDF/B-VII.1 PB-206
Photon emission for (n,a*c)
ENDF/B-VII.1 PB-206
thermal capture photon spectrum
ENDF/B-VII.1 PB-206
14 MeV photon spectrum

Gamma Energy (MeV) vs. Gamma Prod (barns/MeV)
ENDF/B-VII.1 PB-206
Particle production cross sections
ENDF/B-VII.1 PB-206
protons from \( (n,x) \)
ENDF/B-VII.1 PB-206
protons from \((n,n^*)p\)
ENDF/B-VII.1 PB-206
protons from (n,2np)
ENDF/B-VII.1 PB-206
angular distribution for (n,p*0) proton
ENDF/B-VII.1 PB-206
angular distribution for (n,p*1) proton

Probt/Cos

Energy (MeV)

Cosine
ENDF/B-VII.1 PB-206
angular distribution for (n,p*2) proton
ENDF/B-VII.1 PB-206
angular distribution for (n,p*3) proton
ENDF/B-VII.1 PB-206
angular distribution for (n,p*4) proton
ENDF/B-VII.1 PB-206
angular distribution for (n,p*5) proton
ENDF/B-VII.1 PB-206
angular distribution for (n,p*6) proton
ENDF/B-VII.1 PB-206
angular distribution for (n,p*8) proton
ENDF/B-VII.1 PB-206
angular distribution for (n,p*9) proton
ENDF/B-VII.1 PB-206
angular distribution for (n,p*10) proton
ENDF/B-VII.1 PB-206
protons from (n,p\*c)
ENDF/B-VII.1 PB-206
deuterons from (n,x)
ENDF/B-VII.1 PB-206
deuterons from (n,n*)d
ENDF/B-VII.1 PB-206
angular distribution for (n,d*0) deuteron
ENDF/B-VII.1 PB-206
angular distribution for (n,d*1) deuteron
ENDF/B-VII.1 PB-206
angular distribution for (n,d*2) deuteron
ENDF/B-VII.1 PB-206
angular distribution for (n,d*3) deuteron
ENDF/B-VII.1 PB-206
angular distribution for (n,d*4) deuteron
ENDF/B-VII.1 PB-206
angular distribution for (n,d*5) deuteron
ENDF/B-VII.1 PB-206
deuterons from (n,d*c)
ENDF/B-VII.1 PB-206
tritons from (n,x)
ENDF/B-VII.1 PB-206
tritons from (n,n*)t
ENDF/B-VII.1 PB-206
angular distribution for \((n, t^0)\) triton
ENDF/B-VII.1 PB-206
angular distribution for \((n,t^{*1})\) triton
ENDF/B-VII.1 PB-206
angular distribution for (n,t*2) triton
ENDF/B-VII.1 PB-206
angular distribution for (n,t*3) triton
ENDF/B-VII.1 PB-206
angular distribution for (n,t*4) triton
ENDF/B-VII.1 PB-206
angular distribution for (n,t*5) triton
ENDF/B-VII.1 PB-206
tritons from (n,t*c)
ENDF/B-VII.1 PB-206
alphas from (n,x)
ENDF/B-VII.1 PB-206
alphas from (n,n*)a
ENDF/B-VII.1 PB-206
alphas from (n,2n)a
ENDF/B-VII.1 PB-206
alphas from (n,2a)
ENDF/B-VII.1 PB-206
angular distribution for (n,a*) alpha

\[ \text{Prob/Cos} \times 10^0 \]
\[ \text{Cosine} \quad 1.0 \quad 0.5 \quad 0.0 \quad -0.5 \quad -1.0 \quad 0 \]
\[ \text{Energy (MeV)} \quad 10 \quad 15 \]
ENDF/B-VII.1 PB-206
angular distribution for (n,a*1) alpha

![Diagram showing angular distribution for (n,a*1) alpha]
ENDF/B-VII.1 PB-206
angular distribution for (n,a*2) alpha
ENDF/B-VII.1 PB-206
angular distribution for (n,a*3) alpha
ENDF/B-VII.1 PB-206
angular distribution for (n,a*4) alpha
ENDF/B-VII.1 PB-206
angular distribution for (n,a*5) alpha

Energy (MeV)
ENDF/B-VII.1 PB-206
angular distribution for (n,a*6) alpha
ENDF/B-VII.1 PB-206
angular distribution for (n,a*7) alpha
ENDF/B-VII.1 PB-206
angular distribution for \( (n,a^8) \) alpha
ENDF/B-VII.1 PB-206
angular distribution for (n,a^9) alpha
ENDF/B-VII.1 PB-206
angular distribution for (n,a*10) alpha
ENDF/B-VII.1 PB-206
alphas from (n,a*c)