Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
- gamma production
Energy (MeV) vs. Cross section (barns) graph for the total resonance total cross section of N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99.
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99

resonance total cross section

Energy (MeV)

Cross section (barns)
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99
resonance total cross section
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99
resonance absorption cross sections

![Graph showing resonance absorption cross sections.](image-url)
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99
resonance absorption cross sections

capture
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99

Heating

Heating (MeV/reaction)

Energy (MeV)
Non-threshold reactions

Energy (MeV) vs. Cross section (barns) plot for the reaction (n,gma).

The graph shows the cross section as a function of energy for the reaction (n,gma) with data points in the range of 10^{-11} to 10^1 MeV.
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99
Principal cross sections

Energy (MeV)

Cross section (barns)

total
absorption
elastic
gamma production

Energy (MeV)
Damage as a function of energy in MeV.

Energy (MeV) on the x-axis and Damage (MeV-barns) on the y-axis.
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99
Non-threshold reactions

Cross section (barns) vs. Energy (MeV)

(n, gma)
Inelastic levels

Cross section (barns) vs. Energy (MeV) for different reactions:
- (n,n*21)
- (n,n*22)
- (n,n*23)
- (n,n*24)
- (n,n*25)
Threshold reactions

Cross section (barns)

Energy (MeV)

(n,x)
(n,2n)
(n,3n)
(n,n*c)
(n,p)
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99
Threshold reactions

Energy (MeV)

Cross section (barns)

(n,t)

(n,a)
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99
Threshold reactions

Cross section (barns)

Energy (MeV)

(n,xp)
(n,xd)
(n,xt)
(n,xa)
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99
angular distribution for elastic
angular distribution for elastic
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99
angular distribution for (n,n*1)
angular distribution for $\text{(n,n}^{*2})$
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99
angular distribution for (n,n*4)
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99
angular distribution for (n,n*5)
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99
angular distribution for (n,n*6)
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99
angular distribution for (n,n*7)
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99
angular distribution for (n,n*8)
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99
angular distribution for (n,n*9)
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99
angular distribution for (n,n\*10)
angular distribution for \((n,n^{*11})\)
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99
angular distribution for (n,n*12)
angular distribution for (n,n*13)
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99 angular distribution for (n,n*14)
angular distribution for (n,n*15)
angular distribution for (n,n*16)
angular distribution for (n,n*18)
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99
angular distribution for (n,n*19)
angular distribution for (n,n*20)
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99 angular distribution for (n,n*21)
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99
angular distribution for \((n,n^*22)\)
angular distribution for (n,n*23)
angular distribution for (n,n*24)
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99
angular distribution for (n,n*25)
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99
angular distribution for (n,n*26)
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99
angular distribution for (n,n*27)
angular distribution for (n,n*28)
angular distribution for (n,n*29)
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99
angular distribution for (n,n*30)
angular distribution for (n,n*31)
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99
angular distribution for (n,n*33)
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99
angular distribution for (n,n*34)
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99
angular distribution for (n,n*35)
angular distribution for (n,n*36)
angular distribution for (n,n*37)
angular distribution for (n,n*38)
angular distribution for (n,n*39)
Neutron emission for $(n,x)$

![Graph showing neutron emission probabilities as a function of secondary energy and neutron energy]
Neutron emission for (n,2n)
Neutron emission for (n,3n)
Neutron emission for \((n,n^*c)\)
Photon emission for \((n,\text{gma})\)
Photon emission for (n,x)
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99
Photon emission for (n,2n)
Photon emission for (n,3n)
Photon emission for \((n,n^*c)\)
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99
thermal capture photon spectrum

Gamma Energy (MeV)
Gamma Prod (barns/MeV)
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99
14 MeV photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99
protons from (n,x)
deuterons from (n,x)
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99 tritons from (n,x)
N + 82-PB-206 ENDF/B-VI.6 APT LA150 NJOY 99
alphas from (n,x)