ENDF/B-V PB-NAT
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
- gamma production

Energy (MeV)
ENDF/B-V PB-NAT
resonance total cross section

Energy (MeV)

Cross section (barns)

10^{-3} 10^{1} 10^{2} 10^{3}
ENDF/B-V PB-NAT
resonance total cross section

Energy (MeV)

Cross section (barns)

10^{-2} - 10^{-1}

total
ENDF/B-V PB-NAT resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-V PB-NAT
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-V PB-NAT
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

- Capture
ENDF/B-V PB-NAT
resonance absorption cross sections

[Graph showing resonance absorption cross sections with energy on the x-axis and cross section (barns) on the y-axis, with capture peaks in the energy range of 10^-1 to 10^-3 MeV.]
ENDF/B-V PB-NAT resonance absorption cross sections

![Graph of cross section vs. energy (MeV)](image)
ENDF/B-V PB-NAT
Non-threshold reactions

Cross section (barns)

Energy (MeV)
ENDF/B-V PB-NAT
Non-threshold reactions

![Graph showing cross section (barns) versus energy (MeV) for non-threshold reactions. The graph has a peak in the cross section around 10 MeV, with a significant drop before and after this peak. The y-axis is labeled 'Cross section (barns)' with a scale of 10^-3, and the x-axis is labeled 'Energy (MeV)' ranging from 0 to 20 MeV. The reaction of particular interest is labeled as (n,gma).]
ENDF/B-V PB-NAT
Inelastic levels

Energy (MeV)

Cross section (barns)

(n,n*1)
(n,n*2)
(n,n*3)
(n,n*4)
(n,n*5)
ENDF/B-V PB-NAT
Inelastic levels

Energy (MeV)

Cross section (barns)

(n,n*6)
(n,n*7)
(n,n*8)
(n,n*9)
(n,n*10)
ENDF/B-V PB-NAT
Inelastic levels

Energy (MeV)

Cross section (barns)

(n,n*26)
(n,n*27)
(n,n*28)
(n,n*29)
(n,n*30)

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ENDF/B-V PB-NAT
Threshold reactions

Energy (MeV)

Cross section (barns)

- (n,2n)
- (n,3n)
- (n,n*c)
ENDF/B-V PB-NAT
angular distribution for elastic
ENDF/B-V PB-NAT
angular distribution for (n,n*1)
ENDF/B-V PB-NAT
angular distribution for \((n,n^*2)\)
ENDF/B-V PB-NAT
angular distribution for (n,n*3)
ENDF/B-V PB-NAT
angular distribution for (n,n*4)
ENDF/B-V PB-NAT
angular distribution for (n,n*5)
ENDF/B-V PB-NAT
angular distribution for (n,n*6)
ENDF/B-V PB-NAT
angular distribution for (n,n*7)
ENDF/B-V PB-NAT
angular distribution for (n,n*8)
ENDF/B-V PB-NAT
angular distribution for (n,n*9)
ENDF/B-V PB-NAT
angular distribution for \( (n, n^{*}10) \)
ENDF/B-V PB-NAT
angular distribution for (n,n*11)
ENDF/B-V PB-NAT
angular distribution for (n,n*12)
ENDF/B-V PB-NAT
angular distribution for (n,n*14)
ENDF/B-V PB-NAT
angular distribution for (n,n^15)
ENDF/B-V PB-NAT
angular distribution for (n,n*16)
ENDF/B-V PB-NAT
angular distribution for (n,n*17)
ENDF/B-V PB-NAT
angular distribution for (n, n*18)
ENDF/B-V PB-NAT
angular distribution for (n,n*19)
ENDF/B-V PB-NAT
angular distribution for (n,n*20)
ENDF/B-V PB-NAT
angular distribution for (n,n*21)
ENDF/B-V PB-NAT
angular distribution for \((n,n^*22)\)
ENDF/B-V PB-NAT
angular distribution for (n,n*23)
ENDF/B-V PB-NAT
angular distribution for (n,n\*24)
ENDF/B-V PB-NAT
angular distribution for (n,n*25)
ENDF/B-V PB-NAT
angular distribution for (n,n*26)
ENDF/B-V PB-NAT
angular distribution for (n,n*28)
ENDF/B-V PB-NAT
angular distribution for (n,n*29)
ENDF/B-V PB-NAT
angular distribution for (n,n*30)
ENDF/B-V PB-NAT
angular distribution for \((n,n^*31)\)
ENDF/B-V PB-NAT
angular distribution for (n,n*32)
ENDF/B-V PB-NAT
angular distribution for (n,n*33)
ENDF/B-V PB-NAT
angular distribution for (n,n*34)
ENDF/B-V PB-NAT
angular distribution for \((n, n*35)\)
ENDF/B-V PB-NAT
Neutron emission for (n,3n)
ENDF/B-V PB-NAT
Neutron emission for (n,n*c)
ENDF/B-V PB-NAT
Photon emission for (n,gma)
ENDF/B-V PB-NAT
Photon emission for nonelastic
ENDF/B-V PB-NAT
14 MeV photon spectrum