ENDF/B-VII.1 PD-107
resonance total cross section

![Graph showing the resonance total cross section for ENDF/B-VII.1 PD-107. The graph plots energy (MeV) on the x-axis and cross section (barns) on the y-axis. There are three distinct peaks in the cross section, indicating resonances. The y-axis is in a logarithmic scale, ranging from $10^{-6}$ to $10^2$. The x-axis ranges from $10^{-6}$ to $10^{-5}$. The total line is shown.](image-url)
ENDF/B-VII.1 PD-107

resonance total cross section

![Graph of resonance total cross section](image-url)
ENDF/B-VII.1 PD-107
resonance total cross section

Energy (MeV)

Cross section (barns)

total
ENDF/B-VII.1 PD-107
resonance total cross section
ENDF/B-VII.1 PD-107
resonance absorption cross sections
ENDF/B-VII.1 PD-107
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 PD-107
resonance absorption cross sections

![Graph showing resonance absorption cross sections](image-url)
ENDF/B-VII.1 PD-107
resonance absorption cross sections

Capture

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 PD-107
UR capture cross section

Energy (MeV) vs. Cross section (barns)

- Inf. Dil.
- 100 b
- 1 b
ENDF/B-VII.1 PD-107
Non-threshold reactions
ENDF/B-VII.1 PD-107
Non-threshold reactions

Energy (MeV) vs. Cross section (barns)

(n,gma)
ENDF/B-VII.1 PD-107
Inelastic levels

Cross section (barns)

Energy (MeV)

*10^-3

(n,n*16)
(n,n*17)
(n,n*18)
(n,n*19)
(n,n*20)
ENDF/B-VII.1 PD-107
Threshold reactions

Energy (MeV)

Cross section (barns)

- (n,n*)
- (n,p)
- (n,d)
- (n,t)
- (n,a)
ENDF/B-VII.1 PD-107
angular distribution for elastic
ENDF/B-VII.1 PD-107
angular distribution for (n,2n)
ENDF/B-VII.1 PD-107
angular distribution for (n,3n)
ENDF/B-VII.1 PD-107
angular distribution for (n,n*)a
ENDF/B-VII.1 PD-107
angular distribution for \((n,n^*)p\)
ENDF/B-VII.1 PD-107
angular distribution for (n,n*)d

Energy (MeV)

Prob/Cos

Cosine

1.0 0.5 0.0 -0.5 -1.0 13 14 15 16 17 18 19 20

1.0 0.5 0.0 -0.5 -1.0 13 14 15 16 17 18 19 20

1.0 0.5 0.0 -0.5 -1.0 13 14 15 16 17 18 19 20
ENDF/B-VII.1 PD-107
angular distribution for (n, n*1)
ENDF/B-VII.1 PD-107
angular distribution for (n,n^2)
ENDF/B-VII.1 PD-107
angular distribution for \((n,n^*3)\)
ENDF/B-VII.1 PD-107
angular distribution for \((n,n^4)\)
ENDF/B-VII.1 PD-107
angular distribution for (n,n*5)
ENDF/B-VII.1 PD-107
angular distribution for (n,n*6)
ENDF/B-VII.1 PD-107
angular distribution for (n,n\*7)
ENDF/B-VII.1 PD-107
angular distribution for (n,n*8)
ENDF/B-VII.1 PD-107
angular distribution for (n,n*9)
ENDF/B-VII.1 PD-107
angular distribution for (n,n*10)
ENDF/B-VII.1 PD-107
angular distribution for (n,n*11)
ENDF/B-VII.1 PD-107
angular distribution for \((n,n^*12)\)
ENDF/B-VII.1 PD-107
angular distribution for \((n, n^{*}13)\)
ENDF/B-VII.1 PD-107
angular distribution for (n,n*14)
ENDF/B-VII.1 PD-107
angular distribution for (n,n*15)
ENDF/B-VII.1 PD-107
angular distribution for (n,n*16)
ENDF/B-VII.1 PD-107
angular distribution for \((n,n^{*17})\)
ENDF/B-VII.1 PD-107
angular distribution for (n,n*18)
ENDF/B-VII.1 PD-107
angular distribution for (n,n*19)
ENDF/B-VII.1 PD-107
angular distribution for (n,n*20)
ENDF/B-VII.1 PD-107
angular distribution for \((n,n^*c)\)
ENDF/B-VII.1 PD-107
Neutron emission for \((n,2n)\)
ENDF/B-VII.1 PD-107
Neutron emission for (n,3n)
ENDF/B-VII.1 PD-107
Neutron emission for \((n,n^*)a\)
ENDF/B-VII.1 PD-107
Neutron emission for \((n,n^*)p\)
ENDF/B-VII.1 PD-107
Neutron emission for \((n,n^*)d\)
ENDF/B-VII.1 PD-107
Neutron emission for (n,n*c)