ENDF/B-VI GD-154D
resonance total cross section

Energy (MeV)

Cross section (barns)
ENDF/B-VI GD-154D
resonance total cross section

Energy (MeV)

Cross section (barns)

$10^{-4}$

$10^{-3}$

$10^{-2}$

$10^{-1}$

$10^{0}$

$10^{1}$

$10^{2}$

$10^{3}$

$10^{4}$

$10^{5}$
ENDF/B-VI GD-154D
resonance total cross section

Energy (MeV)

Cross section (barns)

10^3

total

10^2

10^1

10^0

10^{-3}

10^{-2}

Energy (MeV)
ENDF/B-VI GD-154D
resonance absorption cross sections

- Energy (MeV)
- Cross section (barns)

The graph shows various peaks representing the cross-section values at different energy levels in MeV.
ENDF/B-VI GD-154D
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VI GD-154D
resonance absorption cross sections

![Graph showing resonance absorption cross sections](image-url)
ENDF/B-VI GD-154D
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VI GD-154D
Non-threshold reactions

Energy (MeV)

Cross section (barns)

$^{(n,gma)}$
ENDF/B-VI GD-154D

Heating

Heating (MeV/reaction) vs. Energy (MeV)

- The heating increases with energy up to 10 MeV.
- There is a peak at around 10 MeV.
- The heating decreases after the peak.
ENDF/B-VI GD-154D

Inelastic levels

Energy (MeV)

Cross section (barns)

0

2

4

6

8

10

12

14

16

18

20

10^{-3}

(n,n*16)

(n,n*17)

(n,n*18)

(n,n*19)

(n,n*20)
ENDF/B-VI GD-154D
Inelastic levels

Energy (MeV)

Cross section (barns)

(n,n*26)
(n,n*27)
(n,n*28)
ENDF/B-VI GD-154D
angular distribution for (n,2n)
ENDF/B-VI GD-154D
angular distribution for (n,3n)
ENDF/B-VI GD-154D
angular distribution for (n,n*)a

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0

Cosine

10.0 10.1

10.2

Energy (MeV)

5 10 15 20
ENDF/B-VI GD-154D
angular distribution for \((n,n^*)p\)
ENDF/B-VI GD-154D
angular distribution for \((n,n^*)d\)
ENDF/B-VI GD-154D
angular distribution for (n,n*1)
ENDF/B-VI GD-154D
angular distribution for (n,n*2)
ENDF/B-VI GD-154D
angular distribution for (n,n*3)
ENDF/B-VI GD-154D
angular distribution for \((n,n^*4)\)
ENDF/B-VI GD-154D
angular distribution for (n,n*5)
ENDF/B-VI GD-154D
angular distribution for (n,n*6)
ENDF/B-VI GD-154D
angular distribution for (n,n*7)
ENDF/B-VI GD-154D
angular distribution for (n,n\textsuperscript{8})
ENDF/B-VI GD-154D
angular distribution for (n,n*9)
ENDF/B-VI GD-154D
angular distribution for (n,n*10)
ENDF/B-VI GD-154D
angular distribution for (n,n*11)
ENDF/B-VI GD-154D
angular distribution for (n,n*12)
ENDF/B-VI GD-154D
angular distribution for (n,n*13)
ENDF/B-VI GD-154D
angular distribution for (n,n^*14)
ENDF/B-VI GD-154D
angular distribution for (n,n*15)
ENDF/B-VI GD-154D
angular distribution for (n,n*16)
ENDF/B-VI GD-154D
angular distribution for (n,n*17)
ENDF/B-VI GD-154D
angular distribution for (n,n*18)
ENDF/B-VI GD-154D
angular distribution for (n,n*19)
ENDF/B-VI GD-154D
angular distribution for (n,n*20)
ENDF/B-VI GD-154D
angular distribution for (n,n^*21)
ENDF/B-VI GD-154D
angular distribution for (n,n*22)
ENDF/B-VI GD-154D
angular distribution for (n,n*23)
ENDF/B-VI GD-154D
angular distribution for (n,n*24)
ENDF/B-VI GD-154D
angular distribution for (n,n*25)
ENDF/B-VI GD-154D
angular distribution for (n,n*26)
ENDF/B-VI GD-154D
angular distribution for (n,n*27)
ENDF/B-VI GD-154D
angular distribution for (n,n*28)
ENDF/B-VI GD-154D
angular distribution for (n,n*c)
ENDF/B-VI GD-154D
Neutron emission for (n,2n)
ENDF/B-VI GD-154D
Neutron emission for (n,3n)
ENDF/B-VI GD-154D
Neutron emission for \((n,n^*)a\)
ENDF/B-VI GD-154D
Neutron emission for $(n,n^*)p$
ENDF/B-VI GD-154D
Neutron emission for \((n,n^*)d\)
ENDF/B-VI GD-154D
Neutron emission for (n,n^*c)