ENDF/B-VII NB-94
Principal cross sections

Energy (MeV)

Cross section (barns)

total
absorption
elastic
ENDF/B-VII NB-94
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII NB-94
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII NB-94
resonance total cross section

Energy (MeV)

Cross section (barns)

10^0 10^1

10^0 10^1

total
ENDF/B-VII NB-94
resonance absorption cross sections

capture
ENDF/B-VII NB-94
resonance absorption cross sections

Capture cross section as a function of energy.
ENDF/B-VII NB-94
resonance absorption cross sections
ENDF/B-VII NB-94
UR total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII NB-94
UR elastic cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII NB-94
UR capture cross section

Energy (MeV) vs. Cross section (barns) plot
ENDF/B-VII NB-94 Heating

Energy (MeV) vs Heating (MeV/reaction)
ENDF/B-VII NB-94
Damage

Energy (MeV)

Damage (MeV-barns)
ENDF/B-VII NB-94
Non-threshold reactions

Energy (MeV)

Cross section (barns)

\( (n,gma) \)
ENDF/B-VII NB-94
Damage

Damage (MeV-barns)

Energy (MeV)
ENDF/B-VII NB-94
Non-threshold reactions

Cross section (barns) vs. Energy (MeV)

$^{(n,gma)}$
ENDF/B-VII NB-94
Inelastic levels

Energy (MeV)

Cross section (barns)

(n,n*6)
(n,n*7)
(n,n*8)
(n,n*9)
(n,n*10)
ENDF/B-VII NB-94
Threshold reactions

Energy (MeV)

Cross section (barns)

- (n,2n)
- (n,3n)
- (n,n*)a
- (n,n*)p
- (n,n*)d

Energy (MeV)
ENDF/B-VII NB-94
Threshold reactions

Cross section (barns)

Energy (MeV)

(n,n^*)t
(n,n*c)
(n,p)
(n,d)
(n,t)
ENDF/B-VII NB-94
angular distribution for elastic
ENDF/B-VII NB-94
angular distribution for (n,2n)
ENDF/B-VII NB-94
angular distribution for (n,3n)
ENDF/B-VII NB-94
angular distribution for (n,n*)a
ENDF/B-VII NB-94
angular distribution for \((n,n^*)p\)
ENDF/B-VII NB-94
angular distribution for (n,n*)d
ENDF/B-VII NB-94
angular distribution for \((n,n^*)t\)
ENDF/B-VII NB-94
angular distribution for (n,n*1)
ENDF/B-VII NB-94 angular distribution for (n,n^2)
ENDF/B-VII NB-94 angular distribution for (n,n*4)
ENDF/B-VII NB-94
angular distribution for (n,n*5)
ENDF/B-VII NB-94
angular distribution for (n,n*6)
ENDF/B-VII NB-94
angular distribution for (n,n*7)
ENDF/B-VII NB-94
angular distribution for (n,n*8)

Energy (MeV)

Cosine

Prob/Cos

10

1.0 0.5 0.0 -0.5 -1.0

0 2 4 6 8 10 12 14 16 18 20
ENDF/B-VII NB-94
angular distribution for (n,n*9)
ENDF/B-VII NB-94 angular distribution for (n,n*10)
ENDF/B-VII NB-94
angular distribution for \((n,n^{*11})\)
ENDF/B-VII NB-94
angular distribution for (n,n*12)
ENDF/B-VII NB-94
angular distribution for (n,n*13)
ENDF/B-VII NB-94
angular distribution for (n,n*14)
ENDF/B-VII NB-94
angular distribution for (n,n*15)
ENDF/B-VII NB-94
angular distribution for (n,n*16)
ENDF/B-VII NB-94
angular distribution for \((n,n^{*17})\)
ENDF/B-VII NB-94

angular distribution for (n,n*18)

Energy (MeV)
ENDF/B-VII NB-94
angular distribution for (n,n*19)
ENDF/B-VII NB-94
angular distribution for (n,n*20)
ENDF/B-VII NB-94
angular distribution for (n, n*21)
ENDF/B-VII NB-94
angular distribution for (n,n*23)
ENDF/B-VII NB-94
angular distribution for (n,n*24)
ENDF/B-VII NB-94
angular distribution for (n,n^*25)
ENDF/B-VII NB-94 angular distribution for (n,n*26)
ENDF/B-VII NB-94
angular distribution for (n,n*27)
ENDF/B-VII NB-94
angular distribution for (n,n*28)
ENDF/B-VII NB-94

angular distribution for (n,n*29)
ENDF/B-VII NB-94
angular distribution for (n,n*c)
ENDF/B-VII NB-94
Neutron emission for (n,2n)

Prob/MeV

Sec. Energy

Energy (MeV)

10^{-3} 10^{-1} 10^0 10^1 10^2
ENDF/B-VII NB-94
Neutron emission for (n,3n)
ENDF/B-VII NB-94
Neutron emission for \((n,n^*)a\)
ENDF/B-VII NB-94
Neutron emission for (n,n*)p

Energy (MeV)

Sec. Energy

Prob./MeV

10^(-3)

10^(-1)

10^0

10^1

10^2

10^3
ENDF/B-VII NB-94
Neutron emission for (n,n*)t
ENDF/B-VII NB-94
Neutron emission for (n,n*\text{c})