ENDF/B-VII.1 NB-94
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 NB-94
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 NB-94
resonance total cross section
ENDF/B-VII.1 NB-94
resonance absorption cross sections
ENDF/B-VII.1 NB-94
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

10^{-3}

10^{-2}

10^{0}

10^{1}

capture
ENDF/B-VII.1 NB-94
UR total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 NB-94
UR elastic cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 NB-94
UR capture cross section

Energy (MeV)

Cross section (barns)

Inf. Dil.
100 b
1 b
ENDF/B-VII.1 NB-94 Heating

Energy (MeV) vs. Heating (MeV/reaction)
ENDF/B-VII.1 NB-94
Damage

Energy (MeV) vs. Damage (MeV-barns) plot.
ENDF/B-VII.1 NB-94
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
ENDF/B-VII.1 NB-94
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic

Energy (MeV)
ENDF/B-VII.1 NB-94
Damage

Damage (MeV-barns) vs. Energy (MeV)

- Damage increases with energy.
- The damage is plotted on a logarithmic scale.
- The graph shows a clear upward trend.
ENDF/B-VII.1 NB-94
Non-threshold reactions

Energy (MeV)

Cross section (barns)

$10^{-2}$

$10^{-3}$

$10^{-4}$

$10^{-5}$

$10^{-6}$

$(n,gma)$
ENDF/B-VII.1 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.1 NB-94
Inelastic levels
ENDF/B-VII.1 NB-94
Threshold reactions

Cross section (barns)

Energy (MeV)

(n,xp)
(n,xd)
(n,xt)
(n,xhe3)
(n,xa)
ENDF/B-VII.1 NB-94
angular distribution for elastic
ENDF/B-VII.1 NB-94
angular distribution for (n,2n)
ENDF/B-VII.1 NB-94
angular distribution for (n,3n)
ENDF/B-VII.1 NB-94
angular distribution for (n,n*)a
ENDF/B-VII.1 NB-94
angular distribution for (n,n*)p
ENDF/B-VII.1 NB-94
angular distribution for (n,n*)t
ENDF/B-VII.1 NB-94
angular distribution for (n,n*1)
ENDF/B-VII.1 NB-94
angular distribution for (n,n*2)
ENDF/B-VII.1 NB-94
angular distribution for (n,n*3)
ENDF/B-VII.1 NB-94
angular distribution for (n,n*4)
ENDF/B-VII.1 NB-94
angular distribution for (n,n*5)
ENDF/B-VII.1 NB-94
angular distribution for (n,n*6)
EnDF/B-VII.1 NB-94
angular distribution for (n,n*8)
ENDF/B-VII.1 NB-94
angular distribution for (n,n*9)
ENDF/B-VII.1 NB-94
angular distribution for (n,n*10)
ENDF/B-VII.1 NB-94
angular distribution for $(n,n^{*}11)$
ENDF/B-VII.1 NB-94
angular distribution for (n,n^*12)
ENDF/B-VII.1 NB-94
angular distribution for (n, n*13)
ENDF/B-VII.1 NB-94
angular distribution for (n,n*14)
ENDF/B-VII.1 NB-94
angular distribution for (n,n*15)
ENDF/B-VII.1 NB-94
angular distribution for (n,n*16)
ENDF/B-VII.1 NB-94
angular distribution for (n,n*17)
ENDF/B-VII.1 NB-94
angular distribution for (n,n*18)
ENDF/B-VII.1 NB-94
angular distribution for (n,n*19)
ENDF/B-VII.1 NB-94
angular distribution for (n,n^20)
ENDF/B-VII.1 NB-94
angular distribution for (n,n*21)
ENDF/B-VII.1 NB-94
angular distribution for (n,n*22)
ENDF/B-VII.1 NB-94
angular distribution for (n,n*23)
ENDF/B-VII.1 NB-94
angular distribution for (n,n*24)
ENDF/B-VII.1 NB-94
angular distribution for (n,n*25)
ENDF/B-VII.1 NB-94
angular distribution for (n,n*26)
ENDF/B-VII.1 NB-94
angular distribution for (n,n*27)
ENDF/B-VII.1 NB-94
angular distribution for (n,n*28)
ENDF/B-VII.1 NB-94
angular distribution for (n,n*29)
ENDF/B-VII.1 NB-94
angular distribution for (n,n*\text{c})
ENDF/B-VII.1 NB-94
Neutron emission for (n,2n)
ENDF/B-VII.1 NB-94
Neutron emission for (n,3n)
ENDF/B-VII.1 NB-94
Neutron emission for (n,n*)a
ENDF/B-VII.1 NB-94
Neutron emission for \((n,n^*)p\)
ENDF/B-VII.1 NB-94
Neutron emission for (n,n*)d
ENDF/B-VII.1 NB-94
Neutron emission for (n,n*)t

Diagram showing the neutron emission for (n,n*)t with energy on the x-axis, secondary energy on the y-axis, and probability on the z-axis.
ENDF/B-VII.1 NB-94
Neutron emission for \((n,n^*c)\)