ENDF/B-VII.1 PM-147
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 PM-147
resonance total cross section
ENDF/B-VII.1 PM-147
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 PM-147
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 PM-147
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
ENDF/B-VII.1 PM-147
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 PM-147
UR total cross section

Energy (MeV)

Cross section (barns)

Inf. Dil.

100 b

1 b

10^{-4}

10^{-3}

10^{-2}

10^{-1}

10^{1}

10^{2}
ENDF/B-VII.1 PM-147
UR elastic cross section

Energy (MeV)

Cross section (barns)

10^{-1}

10^{-2}

10^{-3}

10^{-4}

10^2

10^1

10^0

10^{-1}

10^{-2}

10^{-3}

10^{-4}

Energy (MeV)

Cross section (barns)

Inf. Dil.

100 b

1 b
ENDF/B-VII.1 PM-147
UR capture cross section

![Graph showing the cross section of UR capture as a function of energy. The graph includes a logarithmic scale for both the energy (in MeV) and the cross section (in barns). The curves represent different dilutions: Inf. Dil., 100 b, and 1 b. The energy range is from $10^{-4}$ to $10^{-1}$ MeV, and the cross section range is from $10^{0}$ to $10^{2}$ barns.]
ENDF/B-VII.1 PM-147
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
ENDF/B-VII.1 PM-147
Inelastic levels

Energy (MeV)

Cross section (barns)

(n,n*1)
(n,n*2)
(n,n*3)
(n,n*4)
(n,n*5)

Energy (MeV)
ENDF/B-VII.1 PM-147
Inelastic levels

![Graph showing inelastic levels with energy on the x-axis and cross section on the y-axis. The graph has a peak at a low energy value and a gradual decrease.]
Threshold reactions

Energy (MeV)

Cross section (barns)

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

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ENDF/B-VII.1 PM-147
Threshold reactions

Cross section (barns) vs. Energy (MeV)

- (n,xp)
- (n,xd)
- (n,xt)
- (n,xhe3)
- (n,xa)
ENDF/B-VII.1 PM-147
angular distribution for elastic
ENDF/B-VII.1 PM-147
angular distribution for (n,2n)
ENDF/B-VII.1 PM-147 angular distribution for (n,3n)
ENDF/B-VII.1 PM-147
angular distribution for (n,n*)a
ENDF/B-VII.1 PM-147
angular distribution for (n,n*)p
ENDF/B-VII.1 PM-147
angular distribution for \((n,n^*)d\)
ENDF/B-VII.1 PM-147
angular distribution for (n,n*)t
ENDF/B-VII.1 PM-147
angular distribution for (n,n*1)
ENDF/B-VII.1 PM-147
angular distribution for \((n,n^*2)\)
ENDF/B-VII.1 PM-147

angular distribution for (n,n*3)
ENDF/B-VII.1 PM-147
angular distribution for (n,n*4)
ENDF/B-VII.1 PM-147
angular distribution for (n,n*5)
ENDF/B-VII.1 PM-147
angular distribution for \((n,n^\ast 6)\)
ENDF/B-VII.1 PM-147
angular distribution for (n,n*c)
ENDF/B-VII.1 PM-147
Neutron emission for (n,2n)
ENDF/B-VII.1 PM-147
Neutron emission for (n,3n)
ENDF/B-VII.1 PM-147
Neutron emission for \((n,n^*)p\)
ENDF/B-VII.1 PM-147
Neutron emission for (n,n*)d
ENDF/B-VII.1 PM-147
Neutron emission for (n,n*c)