ENDF/B-VII CD-114
Principal cross sections

Energy (MeV)

Energy (MeV)

Cross section (barns)

total
absorption
elastic
ENDF/B-VII CD-114
resonance total cross section
ENDF/B-VII CD-114
resonance total cross section

Energy (MeV) vs. Cross section (barns) plot.
ENDF/B-VII CD-114
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII CD-114
resonance absorption cross sections

[Graph showing resonance absorption cross sections with a peak at a certain energy level]

Energy (MeV)

Cross section (barns)
ENDF/B-VII CD-114
resonance absorption cross sections

capture
ENDF/B-VII CD-114
resonance absorption cross sections

Energy (MeV)

Cross section (barns)
ENDF/B-VII CD-114
UR total cross section

Energy (MeV) vs. Cross section (barns)

- Inf. Dil.
- 100 b
ENDF/B-VII CD-114
UR elastic cross section

Energy (MeV)

Cross section (barns)

Inf. Dil.  100 b
ENDF/B-VII CD-114
UR capture cross section

Energy (MeV)

Cross section (barns)

Inf. Dil. 100 b

10^{-2} 10^{-1} 10^{-1}
ENDF/B-VII CD-114
Damage

Energy (MeV) vs. Damage (MeV-barns) graph.
ENDF/B-VII CD-114
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
ENDF/B-VII CD-114
Damage

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

- Damage scale: 0 to 350 MeV-barns
- Energy scale: 0 to 20 MeV

The graph shows the relationship between damage and energy, with damage increasing as energy increases.
ENDF/B-VII CD-114
Inelastic levels

![Graph showing cross section vs. energy for different inelastic levels: (n,n*6), (n,n*7), (n,n*8), (n,n*9), (n,n*10).]
ENDF/B-VII CD-114
Threshold reactions

Cross section (barns)

Energy (MeV)

(n,n*)t
(n,n*c)
(n,p)
(n,d)
(n,t)
ENDF/B-VII CD-114
Threshold reactions

Cross section (barns)

Energy (MeV)

- (n,he3)
- (n,a)
angular distribution for elastic scattering
ENDF/B-VII CD-114
Neutron emission for (n,2n)
ENDF/B-VII CD-114
Neutron emission for (n,3n)
ENDF/B-VII CD-114
Neutron emission for \((n,n^*)a\)
ENDF/B-VII CD-114
Neutron emission for \((n,n^*)d\)
ENDF/B-VII CD-114
Neutron emission for \((n,n^*)t\)
ENDF/B-VII CD-114
Neutron emission for (n,n*c)