ENDF/B-V EU-153
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
- gamma production
ENDF/B-V EU-153
resonance total cross section
ENDF/B-V EU-153
resonance total cross section

Energy (MeV)

Cross section (barns)

total
ENDF/B-V EU-153
resonance total cross section
ENDF/B-V EU-153 resonance absorption cross sections

Energy (MeV)

Cross section (barns)

Capture
ENDF/B-V EU-153
resonance absorption cross sections

Energy (MeV) vs Cross section (barns) graph

- Capture region

Energy range: $10^0$ to $10^1$ MeV
Cross section range: $10^{-3}$ to $10^{-1}$ barns
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UR total cross section

Cross section (barns) vs. Energy (MeV)

- Inf. Dil.
- 100 b
- 1 b
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UR elastic cross section

Cross section (barns)

Energy (MeV)
ENDF/B-V EU-153
UR capture cross section

Energy (MeV)

Cross section (barns)

Inf. Dil.
100 b
1 b
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Non-threshold reactions

Energy (MeV) vs. Cross section (barns)

- (n,gma)
- (n,a)
- (n,xa)
- nonelastic
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Non-threshold reactions

Cross section (barns) vs. Energy (MeV) plot for different reactions:
- (n,gma)
- (n,a)
- (n,xa)
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Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
- gamma production

Energy (MeV)
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Damage

Energy (MeV)

Damage (MeV-barns)

*10^-3
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Non-threshold reactions

![Graph showing cross section vs energy for different reactions](image)
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Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
(n,a)
(n,xa)
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Inelastic levels

Cross section (barns)

Energy (MeV)
ENDF/B-V EU-153
Inelastic levels

Energy (MeV)

Cross section (barns)

(n,n*11)
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Threshold reactions

Cross section (barns) vs. Energy (MeV)

- (n,2n)
- (n,3n)
- (n,n^*)a
- (n,n^*)p
- (n,n^*)c

Energy (MeV) range: 0 to 20
Cross section (barns) range: 0 to 3.0
ENDF/B-V EU-153
Threshold reactions

Energy (MeV)

Cross section (barns)

- $(n,p)$
- $(n,d)$
- $(n,t)$
- $(n,he3)$
- $(n,xp)$

Energy (MeV)
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angular distribution for elastic
ENDF/B-V EU-153
angular distribution for (n,2n)
ENDF/B-V EU-153
angular distribution for (n,3n)
ENDF/B-V EU-153
angular distribution for (n,n*)a
ENDF/B-V EU-153
angular distribution for (n,n*)p
ENDF/B-V EU-153
angular distribution for (n,n*1)
ENDF/B-V EU-153
angular distribution for (n,n*2)
ENDF/B-V EU-153
angular distribution for (n,n^3)
ENDF/B-V EU-153
angular distribution for (n,n*4)
ENDF/B-V EU-153
angular distribution for (n,n*5)
ENDF/B-V EU-153
angular distribution for (n,n*6)
ENDF/B-V EU-153
angular distribution for (n,n*7)
ENDF/B-V EU-153
angular distribution for \((n,n'^8)\)
ENDF/B-V EU-153
angular distribution for (n,n^*)
ENDF/B-V EU-153
angular distribution for (n,n*10)
ENDF/B-V EU-153
angular distribution for (n,n*11)
ENDF/B-V EU-153
angular distribution for (n,n*c)
ENDF/B-V EU-153
Photon emission for nonelastic
ENDF/B-V EU-153
Photon emission for (n,gma)
ENDF/B-V EU-153
thermal capture photon spectrum
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14 MeV photon spectrum