ENDF/B-VII AM-243
Principal cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VII AM-243
resonance total cross section
ENDF/B-VII AM-243
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII AM-243
resonance total cross section
ENDF/B-VII AM-243
resonance total cross section

Energy (MeV)

Cross section (barns)

Total
ENDF/B-VII AM-243
resonance absorption cross sections

- Capture
- Fission

Cross section (barns)

Energy (MeV)
ENDF/B-VII AM-243
resonance absorption cross sections

![Graph showing the cross section (barns) as a function of energy (MeV). The graph includes two curves, one for capture and one for fission, with peaks and troughs indicating resonances. The x-axis represents energy in MeV, ranging from $10^{-6}$ to $10^{-5}$, and the y-axis represents cross section in barns, ranging from $10^0$ to $10^4$. The curves show distinct resonance patterns throughout the energy range.]
ENDF/B-VII AM-243
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VII AM-243
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
fission
ENDF/B-VII AM-243
UR total cross section

Cross section (barns)

Energy (MeV)

Inf. Dil.

100 b
ENDF/B-VII AM-243
UR elastic cross section

Energy (MeV) vs. Cross section (barns) plot.
ENDF/B-VII AM-243
UR fission cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII AM-243
UR capture cross section

Energy (MeV)

Cross section (barns)

Inf. Dil.

100 b
ENDF/B-VII AM-243
Heating

Heating (MeV/reaction)

Energy (MeV)
ENDF/B-VII AM-243
Damage

Energy (MeV)

Damage (MeV-barns)

damage
ENDF/B-VII AM-243
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
- gamma production

Energy (MeV)
ENDF/B-VII AM-243
Heating

Heating (MeV/reaction)

Energy (MeV)
ENDF/B-VII AM-243 Damage

Graph showing the relationship between energy (MeV) and damage (MeV-barns). The graph peaks around an energy of 10 MeV and shows a decreasing trend as energy increases further.
ENDF/B-VII AM-243
Inelastic levels

Cross section (barns)

Energy (MeV)

*(n,n*1)*
*(n,n*2)*
*(n,n*3)*
*(n,n*4)*
*(n,n*5)*
ENDF/B-VII AM-243
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 AM-243
Inelastic levels

Cross section (barns)

Energy (MeV)

- (n,n*11)
- (n,n*12)
- (n,n*13)
ENDF/B-VII AM-243
angular distribution for (n,n*2)
ENDF/B-VII AM-243
angular distribution for (n,n*3)
ENDF/B-VII AM-243

angular distribution for (n,n^4)

Energy (MeV)
ENDF/B-VII AM-243
angular distribution for (n,n*5)
ENDF/B-VII AM-243 angular distribution for (n,n*6)
ENDF/B-VII AM-243
angular distribution for (n,n*7)
ENDF/B-VII AM-243
angular distribution for (n,n*8)
ENDF/B-VII AM-243
angular distribution for (n,n*9)
ENDF/B-VII AM-243
angular distribution for (n,n*11)
ENDF/B-VII AM-243 angular distribution for \((n,n'12)\)
ENDF/B-VII AM-243
angular distribution for (n,n*13)
ENDF/B-VII AM-243
Neutron emission for fission
ENDF/B-VII AM-243
Neutron emission for (n,4n)
ENDF/B-VII AM-243
Neutron emission for (n,n*c)
ENDF/B-VII AM-243
Delayed neutron spectra

Energy (MeV)

Probability

- group 1 frac 0.0234 decay/shake 1.350E-10
- group 2 frac 0.2945 decay/shake 2.976E-10
- group 3 frac 0.1537 decay/shake 1.138E-09
- group 4 frac 0.3148 decay/shake 2.986E-09
- group 5 frac 0.1656 decay/shake 8.820E-09
- group 6 frac 0.0480 decay/shake 2.811E-08
ENDF/B-VII AM-243
Photon emission for (n,gma)
Photon emission for nonelastic
ENDF/B-VII AM-243
thermal capture photon spectrum
ENDF/B-VII AM-243
14 MeV photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)