ENDF/B-VII.1 U-234
Principal cross sections

Cross section (barns)

Energy (MeV)

- total
- absorption
- elastic
- gamma production
ENDF/B-VII.1 U-234
resonance total cross section
ENDF/B-VII.1 U-234
resonance total cross section

Energy (MeV) vs. Cross section (barns)
ENDF/B-VII.1 U-234
resonance total cross section

Energy (MeV)

Cross section (barns)

total
ENDF/B-VII.1 U-234
resonance total cross section
ENDF/B-VII.1 U-234
resonance total cross section
ENDF/B-VII.1 U-234
resonance absorption cross sections

Capture (solid line)
Fission (dashed line)
ENDF/B-VII.1 U-234 resonance absorption cross sections

Capture (solid line) and fission (dashed line) cross sections as a function of energy (MeV). The cross sections are plotted on a logarithmic scale from $10^{-5}$ to $10^{-4}$ MeV for energy and from $10^{-5}$ to $10^3$ barns for cross section.
ENDF/B-VII.1 U-234
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

Capture
Fission
ENDF/B-VII.1 U-234
resonance absorption cross sections

![Graph showing resonance absorption cross sections for capture and fission.](image-url)
ENDF/B-VII.1 U-234
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

- capture
- fission
ENDF/B-VII.1 U-234
UR elastic cross section
ENDF/B-VII.1 U-234
UR fission cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 U-234
UR capture cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 U-234
Heating

Heating (MeV/reaction)

Energy (MeV)
ENDF/B-VII.1 U-234 Damage

Energy (MeV)

Damage (MeV-barns)
ENDF/B-VII.1 U-234
Non-threshold reactions

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 U-234
Principal cross sections

Energy (MeV)
Cross section (barns)

- total
- absorption
- elastic
- gamma production

Energy (MeV)
ENDF/B-VII.1 U-234
Heating

Energy (MeV)

Heating (MeV/reaction)

heating
ENDF/B-VII.1 U-234
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,f)

(n,gma)
ENDF/B-VII.1 U-234
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 U-234
Inelastic levels

Energy (MeV)

Cross section (barns)

(n,n*11)
(n,n*12)
(n,n*13)
(n,n*14)
(n,n*15)

Energy (MeV)
ENDF/B-VII.1 U-234
Inelastic levels
ENDF/B-VII.1 U-234
Inelastic levels

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 U-234
Threshold reactions

Energy (MeV) vs. Cross section (barns)

- (n,2n)
- (n,3n)
- (n,4n)
- (n,n*c)
ENDF/B-VII.1 U-234
angular distribution for elastic

Prob/Cos

$10^{-3}$ $10^{-1}$ $10^{1}$

$0.0$ $0.5$ $1.0$ $1.5$ $2.0$ $2.5$ $3.0$

Energy (MeV)
ENDF/B-VII.1 U-234
Delayed nubar

Energy (MeV)

Delayed nubar

*10^{-3}
ENDF/B-VII.1 U-234
Delayed neutron spectra

Energy (MeV)

Probability

10^{-2}

10^{-1}

10^{0}

10^{1}

10^{2}

10^{3}

10^{4}

10^{5}

10^{6}

10^{7}

10^{8}

10^{9}

10^{10}

group 1 frac 0.0550 decay/shake 1.308E-10

group 2 frac 0.1964 decay/shake 3.368E-10

group 3 frac 0.1803 decay/shake 1.210E-09

group 4 frac 0.3877 decay/shake 2.952E-09

group 5 frac 0.1324 decay/shake 8.136E-09

group 6 frac 0.0482 decay/shake 2.572E-08
ENDF/B-VII.1 U-234
Photon emission for fission
ENDF/B-VII.1 U-234
Photon emission for (n,gma)
ENDF/B-VII.1 U-234
Photon emission for nonelastic
ENDF/B-VII.1 U-234
thermal capture photon spectrum
ENDF/B-VII.1 U-234
14 MeV photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)

Gamma Energy (MeV)