ENDF/B-VII.1 U-235
Principal cross sections

Cross section (barns) vs. Energy (MeV)

- Total
- Absorption
- Elastic
- Gamma production
ENDF/B-VII.1 U-235 resonance total cross section
ENDF/B-VII.1 U-235
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 U-235
resonance total cross section

Energy (MeV) vs. Cross section (barns) for U-235.
ENDF/B-VII.1 U-235
resonance total cross section

Energy (MeV)

Cross section (barns)

- total
ENDF/B-VII.1 U-235
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
fission
ENDF/B-VII.1 U-235
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

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capture
fission

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Energy (MeV)
ENDF/B-VII.1 U-235
resonance absorption cross sections

Cross section (barns)

Energy (MeV)

capture
fission
ENDF/B-VII.1 U-235
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 U-235 resonance absorption cross sections
ENDF/B-VII.1 U-235
UR total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 U-235
UR capture cross section
ENDF/B-VII.1 U-235 Heating

Energy (MeV) vs. Heating (MeV/reaction)
ENDF/B-VII.1 U-235
Principal cross sections

Energy (MeV)

Cross section (barns)

total
absorption
elastic
gamma production
ENDF/B-VII.1 U-235 Damage

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

- Damage increases linearly with energy.
- The graph shows a straight line indicating a direct proportionality between damage and energy.

Axis Labels:
- Y-axis: Damage (MeV-barns)
- X-axis: Energy (MeV)
ENDF/B-VII.1 U-235
Non-threshold reactions
ENDF/B-VII.1 U-235
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-235
Inelastic levels

Cross section (barns) vs. Energy (MeV) graph with curves for different levels:
- (n,n*16)
- (n,n*17)
- (n,n*18)
- (n,n*19)
- (n,n*20)
ENDF/B-VII.1 U-235
Inelastic levels

Cross section (barns) vs. Energy (MeV)

- (n,n*26)
- (n,n*27)
- (n,n*28)
- (n,n*29)
- (n,n*30)
ENDF/B-VII.1 U-235
Inelastic levels

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 U-235
angular distribution for elastic

![Graph showing angular distribution for elastic scattering with energy in MeV on the x-axis, cosine on the y-axis, and probability on the z-axis. The graph displays oscillatory patterns at different energy levels.]
ENDF/B-VII.1 U-235
Total fission nubar

Energy (MeV)

Fission nubar

Energy (MeV)
ENDF/B-VII.1 U-235 Delayed nubar

Energy (MeV)

Delayed nubar

*10^{-3}
ENDF/B-VII.1 U-235
Delayed neutron spectra

Energy (MeV)

Probability

10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5}

group 1 frac 0.0350 decay/shake 1.334E-10
group 2 frac 0.1807 decay/shake 3.274E-10
group 3 frac 0.1725 decay/shake 1.208E-09
group 4 frac 0.3868 decay/shake 3.028E-09
group 5 frac 0.1586 decay/shake 8.495E-09
group 6 frac 0.0664 decay/shake 2.853E-08
ENDF/B-VII.1 U-235
Photon emission for fission
ENDF/B-VII.1 U-235
Photon emission for (n,gma)
ENDF/B-VII.1 U-235
Photon emission for nonelastic
ENDF/B-VII.1 U-235
thermal capture photon spectrum
ENDF/B-VII.1 U-235
14 MeV photon spectrum