ENDF/B-V U-235
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
- gamma production

Energy (MeV)
ENDF/B-V U-235
coreonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-V U-235
resonance total cross section

![Graph showing ENDF/B-V U-235 resonance total cross section. The graph plots energy in MeV on the x-axis and cross section in barns on the y-axis, with a logarithmic scale. The graph shows a complex pattern with peaks and valleys across the energy range of interest.]
ENDF/B-V U-235
resonance total cross section

Energy (MeV)

Cross section (barns)

10^1

10^{-2}

10^{-1}

10^1

10^{-2}

10^{-1}

Energy (MeV)
ENDF/B-V U-235
resonance total cross section
ENDF/B-V U-235
resonance total cross section

Energy (MeV)

Cross section (barns)

10^0

10^1
ENDF/B-V U-235 resonance absorption cross sections
ENDF/B-V U-235 resonance absorption cross sections

Energy (MeV) vs Cross section (barns)

- Capture
- Fission

Cross section (barns)

Energy (MeV)
ENDF/B-V U-235 resonance absorption cross sections

Energy (MeV)

Cross section (barns)

- capture
- fission
ENDF/B-V U-235
resonance absorption cross sections

![Graph showing ENDF/B-V U-235 resonance absorption cross sections. The graph plots energy (MeV) on the x-axis and cross section (barns) on the y-axis. Two lines are present: one solid for capture and one dashed for fission. The cross section decreases with increasing energy.]
ENDF/B-V U-235
UR elastic cross section

Energy (MeV)
Cross section (barns)

- Inf. Dil.
- 100 b
- 1 b
ENDF/B-V U-235
UR capture cross section

Energy (MeV)

Cross section (barns)

Inf. Dil.
100 b
1 b
ENDF/B-V U-235

Heating

Energy (MeV)

Heating (MeV/reaction)
ENDF/B-V U-235
Principal cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-V U-235 Damage

![Graph showing the damage vs. energy for U-235 with an energy range of 0 to 20 MeV and damage range of 0 to 10^{-3} MeV-barns.](graph.png)
ENDF/B-V U-235
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,f)
(n,gma)
ENDF/B-V U-235
Inelastic levels

Cross section (barns)

Energy (MeV)
ENDF/B-V U-235
Inelastic levels

Cross section (barns)

Energy (MeV)

(c,n*11)
(n,n*12)
(n,n*13)
(n,n*14)
(n,n*15)
ENDF/B-V U-235
Inelastic levels

Energy (MeV)

Cross section (barns)

(n,n*16)
ENDF/B-V U-235
High-order fission reactions

Cross section (barns)

Energy (Mev)
ENDF/B-V U-235
angular distribution for elastic
ENDF/B-V U-235
Delayed neutron spectra

![Graph showing delayed neutron spectra for U-235 with energy on the x-axis and probability on the y-axis. The graph includes lines for different energy groups with corresponding decay/shake values and fractional probabilities.]
ENDF/B-V U-235
Photon emission for fission

![Graph showing photon emission for fission in U-235.]
ENDF/B-V U-235
Photon emission for (n,gma)
ENDF/B-V U-235
Photon emission for nonelastic
ENDF/B-V U-235 thermal capture photon spectrum

Gamma Prod (barns/MeV)

Gamma Energy (MeV)
ENDF/B-V U-235
14 MeV photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)