ENDF/B-IV U-235
Principal cross sections

Cross section (barns)

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

Energy (MeV)

Cross section (barns)

10^{-6}  10^{-5}
ENDF/B-IV U-235
resonance total cross section
ENDF/B-IV U-235
resonance total cross section

![Graph showing ENDF/B-IV U-235 resonance total cross section. The x-axis represents energy in MeV, and the y-axis represents cross section in barns, on a logarithmic scale. The graph shows a decreasing trend in cross section with energy.]
ENDF/B-IV U-235
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

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

![Graph showing cross sections vs. energy for capture and fission reactions.](image-url)
ENDF/B-IV U-235
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
fission
ENDF/B-IV U-235 UR total cross section

Energy (MeV) vs. Cross section (barns) for different dilutions.
- Inf. Dil.
- 100 b
- 1 b
ENDF/B-IV U-235
UR elastic cross section

Cross section (barns)

Energy (MeV)

- Inf. Dil.
- 100 b
- 1 b

10^1
10^{-4} 10^{-3} 10^{-2}
ENDF/B-IV U-235
UR fission cross section

Energy (MeV)

Cross section (barns)

Inf. Dil.
100 b
1 b

10^{-4} 10^{-3} 10^{-2}
ENDF/B-IV U-235
UR capture cross section

![Graph showing ENDF/B-IV U-235 UR capture cross section with different dilutions: Inf. Dil., 100 b, and 1 b. The y-axis represents cross section in barns, while the x-axis represents energy in MeV. The graph shows a decrease in cross section with increasing energy.](image-url)
ENDF/B-IV U-235
Non-threshold reactions

Energy (MeV)

Cross section (barns)

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

(n,f)

(n,gma)
ENDF/B-IV 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-IV U-235
angular distribution for elastic
ENDF/B-IV U-235
Delayed nubar

Energy (MeV)

Delayed nubar
ENDF/B-IV U-235
Delayed neutron spectra

Probability

Energy (MeV)

group 1 frac 0.0380 decay/shake 1.272E-10

group 2 frac 0.2130 decay/shake 3.174E-10

group 3 frac 0.1880 decay/shake 1.160E-09

group 4 frac 0.4070 decay/shake 3.110E-09

group 5 frac 0.1280 decay/shake 1.400E-08

group 6 frac 0.0260 decay/shake 3.870E-08
ENDF/B-IV U-235
Photon emission for fission

![Graph showing photon emission for fission with axes labeled: Eγ (MeV) and En (MeV). The y-axis is labeled Prob/MeV with a logarithmic scale.]
ENDF/B-IV U-235
Photon emission for (n,gma)
ENDF/B-IV U-235 Photon emission for nonelastic
ENDF/B-IV U-235
thermal capture photon spectrum

Gamma Prod (barns/MeV) vs Gamma Energy (MeV)
ENDF/B-IV U-235
14 MeV photon spectrum