ENDF/B-V PU-238
Principal cross sections

![Graph showing cross sections as a function of energy. The x-axis represents energy in MeV ranging from $10^{-11}$ to $10^1$. The y-axis represents cross section in barns ranging from $10^{-1}$ to $10^4$. There are three lines labeled 'total', 'absorption', and 'elastic'.]
ENDF/B-V PU-238
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-V PU-238
resonance total cross section

Energy (MeV)

Cross section (barns)

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

total
ENDF/B-V PU-238
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-V PU-238 resonance absorption cross sections

- Cross section (barns)
- Energy (MeV)

Capture and fission cross sections shown in the graph.
ENDF/B-V PU-238
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-V PU-238
resonance absorption cross sections

Capture cross section
Fission cross section
ENDF/B-V PU-238
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
fission
ENDF/B-V PU-238
UR total cross section

Energy (MeV) vs. Cross section (barns)

- Inf. Dil.
- 100 b
- 1 b

Energy (MeV): $10^{-2}$ to $10^0$
Cross section (barns): $10^1$ to $10^2$
ENDF/B-V PU-238
UR elastic cross section

Cross section (barns)

Energy (MeV)

Inf. Dil.
100 b
1 b

10^1

10^{-3} 10^{-2}
ENDF/B-V PU-238
UR fission cross section

Energy (MeV)

Cross section (barns)

Inf. Dil.
100 b
1 b
ENDF/B-V PU-238
UR capture cross section

Energy (MeV)

Cross section (barns)

Inf. Dil. 100 b 1 b
ENDF/B-V PU-238
Principal cross sections

Energy (MeV)

Cross section (barns)

- Total
- Absorption
- Elastic

Energy (MeV)
ENDF/B-V PU-238
Heating

Energy (MeV)

Heating (MeV/reaction)

heating
ENDF/B-V PU-238 Damage

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

- Damage is plotted on the y-axis, ranging from 0 to 140 MeV-barns.
- Energy is plotted on the x-axis, ranging from 0 to 20 MeV.
- The graph shows the variation of damage with energy for the isotope Pu-238.
ENDF/B-V PU-238
Inelastic levels

Energy (MeV)

Cross section (barns)

*(n,n*6)
*(n,n*7)
*(n,n*8)
*(n,n*9)
*(n,n*10)
ENDF/B-V PU-238
High-order fission reactions

Cross section (barns) vs. Energy (Mev)

Graph showing the cross section as a function of energy for the (n,n*f) reaction.
ENDF/B-V PU-238
angular distribution for elastic
ENDF/B-V PU-238
Total fission nubar

Energy (MeV)

Fission nubar