JENDL-3.3 PU-238
Principal cross sections

![Graph showing cross sections as a function of energy (MeV). The graph displays three curves representing total, absorption, and elastic cross sections. The y-axis is labeled Cross section (barns), and the x-axis is labeled Energy (MeV). The curves show variations in cross sections across different energy levels.]
JENDL-3.3 PU-238
resonance total cross section

Energy (MeV) vs Cross section (barns)
JENDL-3.3 PU-238
resonance total cross section

Cross section (barns)

Energy (MeV)
JENDL-3.3 PU-238
resonance total cross section
JENDL-3.3 PU-238
resonance absorption cross sections

Energy (MeV) vs. Cross section (barns)

- Capture (solid line)
- Fission (dashed line)
JENDL-3.3 PU-238
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
JENDL-3.3 PU-238 resonance absorption cross sections

Cross section (barns)

Energy (MeV)
JENDL-3.3 PU-238
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture fission
JENDL-3.3 PU-238
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
JENDL-3.3 PU-238
Heating

Energy (MeV) vs Heating (MeV/reaction) graph

- Heating values range from approximately 10^{-11} to 10^1 MeV per reaction.
- Energy values range from 10^{-11} to 10^1 MeV.
JENDL-3.3 PU-238 Damage

Damage (MeV-barns) vs. Energy (MeV)
JENDL-3.3 PU-238
Non-threshold reactions

![Graph showing cross section vs. energy for non-threshold reactions in JENDL-3.3 PU-238. The graph includes a line for fission and a line for (n, gma) reactions.](image-url)
JENDL-3.3 PU-238
Principal cross sections

Cross section (barns)

Energy (MeV)
JENDL-3.3 PU-238 Damage

Damage (MeV-barns) vs Energy (MeV)

- Damage curve shows a positive correlation between energy and damage.
- Energy axis ranges from 0 to 20 MeV.
- Damage axis ranges from 0 to 250 * 10^-3 MeV-barns.

The graph illustrates the increase in damage with energy.
JENDL-3.3 PU-238
Non-threshold reactions

Energy (MeV)

Cross section (barns)

- fission
- (n,gamma)
JENDL-3.3 PU-238
Inelastic levels

Cross section (barns)

Energy (MeV)
JENDL-3.3 PU-238
Inelastic levels

Energy (MeV) vs. Cross section (barns)

- (n,n*16)
- (n,n*17)
- (n,n*18)
- (n,n*19)
JENDL-3.3 PU-238
Threshold reactions

Energy (MeV)

Cross section (barns)

- (n,2n)
- (n,3n)
- (n,n*c)
JENDL-3.3 PU-238
angular distribution for elastic
JENDL-3.3 PU-238
angular distribution for (n,n*1)
JENDL-3.3 PU-238
angular distribution for (n,n*2)
JENDL-3.3 PU-238
angular distribution for \((n, n^*3)\)
JENDL-3.3 PU-238
Total fission nubar

Fission nubar

Energy (MeV)
JENDL-3.3 PU-238
Delayed nubar

Energy (MeV)
JENDL-3.3 PU-238
Delayed neutron spectra

![Diagram of delayed neutron spectra for JENDL-3.3 PU-238. The x-axis represents energy (MeV) on a logarithmic scale, ranging from 10^{-3} to 10^0, while the y-axis represents probability on a logarithmic scale, ranging from 10^{-2} to 10^0. There are six groups, each represented by a different color and marked with the fraction and decay/shake probability.]