ENDF/B-V CF-251
Principal cross sections

Energy (MeV) vs. Cross section (barns)

- Total cross section
- Absorption cross section
- Elastic cross section
- Gamma production cross section
ENDF/B-V CF-251
resonance total cross section
ENDF/B-V CF-251
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-V CF-251
resonance total cross section

Energy (MeV) vs Cross section (barns)
ENDF/B-V CF-251 resonance absorption cross sections

Cross section (barns) vs. Energy (MeV)

- Capture (solid line)
- Fission (dashed line)
ENDF/B-V CF-251
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

- capture
- fission

Energy (MeV)
ENDF/B-V CF-251
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture, fission
ENDF/B-V CF-251
UR fission cross section

Energy (MeV) vs. Cross section (barns)

- Inf. Dil.
- 100 b
- 1 b
ENDF/B-V CF-251
UR capture cross section

Energy (MeV)

Cross section (barns)

Inf. Dil.
100 b
1 b
ENDF/B-V CF-251
Heating

Heating (MeV/reaction) vs. Energy (MeV)
ENDF/B-V CF-251 Damage

Energy (MeV) vs Damage (MeV-barns) graph
ENDF/B-V CF-251
Non-threshold reactions

Cross section (barns)

Energy (MeV)

- fission
- (n, gma)
ENDF/B-V CF-251
Threshold reactions

Cross section (barns)

Energy (MeV)
ENDF/B-V CF-251
angular distribution for elastic
ENDF/B-V CF-251
Total fission nubar

Energy (MeV)

Fission nubar

Energy (MeV)

Fission nubar

0  5  10  15  20

4  5  6  7  8  9
ENDF/B-V CF-251
Neutron emission for (n,2n)
ENDF/B-V CF-251
Neutron emission for \((n,3n)\)
ENDF/B-V CF-251
Neutron emission for (n,4n)
ENDF/B-V CF-251
Neutron emission for (n,n^c)
ENDF/B-V CF-251
Photon emission for fission

Proba/MeV

$E_{\gamma}$ (MeV) $E_{\gamma}$ (MeV)

10

5

10

0

10

5

15

20

$E_n$ (MeV)
ENDF/B-V CF-251
Photon emission for (n,gma)
ENDF/B-V CF-251
thermal capture photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)
ENDF/B-V CF-251
14 MeV photon spectrum