ENDF/B-V PU-242
resonance total cross section

Energy (MeV)

Cross section (barns)

Energy (MeV)
ENDF/B-V PU-242
resonance total cross section

Energy (MeV)

Cross section (barns)
ENDF/B-V PU-242
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-V PU-242
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-V PU-242
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
fission
ENDF/B-V PU-242
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-V PU-242
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-V PU-242

UR total cross section

Energy (MeV)

Cross section (barns)

- Inf. Dil.
- 100 b
- 1 b
ENDF/B-V PU-242
UR fission cross section

![Graph showing the fission cross section of UR as a function of energy. The graph includes lines for different dilutions labeled Inf. Dil., 100 b, and 1 b. The x-axis represents energy in MeV, and the y-axis represents the cross section in barns (barns are a unit of area used in nuclear physics). The graph shows an increase in cross section with energy.]
ENDF/B-V PU-242
UR capture cross section

Cross section (barns)

Energy (MeV)

Inf. Dil.
100 b
1 b
ENDF/B-V PU-242 Heating

Heating (MeV/reaction) vs. Energy (MeV)
ENDF/B-V PU-242
Principal cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-V PU-242 Heating

Heating (MeV/reaction) vs. Energy (MeV)
ENDF/B-V PU-242
Non-threshold reactions

![Graph showing energy (MeV) on the x-axis and cross section (barns) on the y-axis. The graph includes a line for fission and a line for (n,gma).]
ENDF/B-V PU-242
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-242
angular distribution for elastic
ENDF/B-V PU-242
angular distribution for (n,n*1)
ENDF/B-V PU-242
angular distribution for \((n,n^*2)\)
ENDF/B-V PU-242
angular distribution for \( (n,n^*3) \)
ENDF/B-V PU-242
Total fission nubar

Energy (MeV)

Fission nubar

0 5 10 15 20

2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0
ENDF/B-V PU-242
Photon emission for fission
ENDF/B-V PU-242
Photon emission for (n,gma)
ENDF/B-V PU-242
Photon emission for nonelastic
ENDF/B-V PU-242
thermal capture photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)
ENDF/B-V PU-242
14 MeV photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)