ENDF/B-V PU-241B
resonance total cross section

![Graph showing resonance total cross section with energy on the x-axis (MeV) and cross section on the y-axis (barns). The peak of the curve is around 10^3 barns at an energy of 10^-7 MeV.](image)
ENDF/B-V PU-241B
resonance total cross section
ENDF/B-V PU-241B resonance total cross section

Cross section (barns)

Energy (MeV)

- Energy range from $10^{-5}$ to $10^{-4}$ MeV
- Cross section range from $10^1$ to $10^3$ barns
ENDF/B-V PU-241B
resonance absorption cross sections

Capture - solid line
Fission - dashed line

Cross section (barns)

Energy (MeV)
ENDF/B-V PU-241B
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
fission
ENDF/B-V PU-241B
resonance absorption cross sections

Cross section (barns)

Capture
Fission

Energy (MeV)
ENDF/B-V PU-241B
UR total cross section

Cross section (barns) vs Energy (MeV)

- Inf. Dil.
- 100 b
- 1 b
ENDF/B-V PU-241B
UR elastic cross section

Energy (MeV)

Cross section (barns)

- Inf. Dil.
- 100 b
- 1 b
ENDF/B-V PU-241B
UR fission cross section

Cross section (barns)

Energy (MeV)
ENDF/B-V PU-241B
Damage

Energy (MeV)

Damage (MeV-barns)
ENDF/B-V PU-241B
Non-threshold reactions

Energy (MeV)

Cross section (barns)

fission
(n,gma)
ENDF/B-V PU-241B
Principal cross sections

Cross section (barns)

Energy (MeV)

total
absorption
elastic
gamma production
ENDF/B-V PU-241B
Damage

Energy (MeV)

Damage (MeV-barns)
ENDF/B-V PU-241B
Non-threshold reactions

Energy (MeV)

Cross section (barns)

- fission
- (n,gma)
ENDF/B-V PU-241B
Inelastic levels

Cross section (barns)

Energy (MeV)

*(n,n*6)
*(n,n*7)
*(n,n*8)
*(n,n*9)
*(n,n*10)
ENDF/B-V PU-241B
Threshold reactions

![Graph showing cross sections for different reactions as a function of energy.](image-url)
ENDF/B-V PU-241B
angular distribution for elastic
ENDF/B-V PU-241B
Total fission nubar

Fission nubar vs. Energy (MeV)

Energy (MeV):
- 2.5
- 3.0
- 3.5
- 4.0
- 4.5
- 5.0
- 5.5
- 6.0

Fission nubar:
- 3.0
- 4.0
- 5.0
- 6.0
ENDF/B-V PU-241B Delayed neutron spectra

Energy (MeV)

Probability

- Group 1: $0.0100$ decay/shake $1.280E-10$
- Group 2: $0.2290$ decay/shake $2.990E-10$
- Group 3: $0.1730$ decay/shake $1.240E-09$
- Group 4: $0.3900$ decay/shake $3.520E-09$
- Group 5: $0.1820$ decay/shake $1.610E-08$
- Group 6: $0.0160$ decay/shake $3.470E-08$
ENDF/B-V PU-241B
Photon emission for fission
ENDF/B-V PU-241B
Photon emission for (n,gma)
ENDF/B-V PU-241B
Photon emission for nonelastic
ENDF/B-V PU-241B
thermal capture photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)
ENDF/B-V PU-241B
14 MeV photon spectrum