ENDF/B-VII PU-243 resonance total cross section

Cross section (barns) vs Energy (MeV)
ENDF/B-VII PU-243 resonance total cross section
ENDF/B-VII PU-243
resonance absorption cross sections

Capture
Fission

Cross section (barns)

Energy (MeV)
ENDF/B-VII PU-243
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

- capture
- fission
ENDF/B-VII PU-243
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
fission
ENDF/B-VII PU-243
UR total cross section

![Graph showing the total cross section of UR as a function of energy.](image)
ENDF/B-VII PU-243
UR elastic cross section
ENDF/B-VII PU-243
UR capture cross section

Energy (MeV)

Cross section (barns)

- Inf. Dil.
- 100 b

Energy (MeV)

10^{-4} - 10^{-3} - 10^{-2}
ENDF/B-VII PU-243
Non-threshold reactions

Energy (MeV)

Cross section (barns)

fission

(n,gma)
ENDF/B-VII PU-243
Principal cross sections

Energy (MeV)

Cross section (barns)

total
absorption
elastic
gamma production

Energy (MeV)
ENDF/B-VII PU-243 Heating

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

- Heating peaks at approximately 15 MeV, showing a significant increase from 0 to 15 MeV.
- The heating then plateaus around 20 MeV, indicating a stable energy range.

The graph illustrates the heating trend for PU-243 across different energy levels.
angular distribution for elastic
ENDF/B-VII PU-243
angular distribution for (n,2n)

Energy (MeV)

Cosine

Prob/Cos
ENDF/B-VII PU-243
angular distribution for (n,3n)
ENDF/B-VII PU-243
angular distribution for (n,4n)
ENDF/B-VII PU-243
angular distribution for (n,n*c)
ENDF/B-VII PU-243
Neutron emission for (n,2n)
ENDF/B-VII PU-243
Neutron emission for (n,3n)
ENDF/B-VII PU-243
Neutron emission for (n,4n)
ENDF/B-VII PU-243
Neutron emission for (n,n*c)
ENDF/B-VII PU-243
Photon emission for (n,gma)
ENDF/B-VII PU-243
Photon emission for nonelastic
ENDF/B-VII PU-243
thermal capture photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)
ENDF/B-VII PU-243
14 MeV photon spectrum