ENDF/B-V AM-243B
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
- gamma production

10^{-8} 10^{-7} 10^{-6} 10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5}
ENDF/B-V AM-243B
resonance total cross section
ENDF/B-V AM-243B
resonance total cross section

Energy (MeV)

Cross section (barns)

10^{-3}
ENDF/B-V AM-243B
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-V AM-243B
resonance absorption cross sections

Energy (MeV)

Capture
ENDF/B-V AM-243B
resonance absorption cross sections

Energy (MeV)

Cross section (barns)
ENDF/B-V AM-243B
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
fission
ENDF/B-V AM-243B
UR elastic cross section

Cross section (barns)

Energy (MeV)
ENDF/B-V AM-243B
UR fission cross section

![Graph showing the fission cross section for different dilutions (Inf. Dil., 100 b, 1 b) as a function of energy (MeV). The y-axis represents the cross section in barns (b), and the x-axis represents energy in MeV. The graph shows a linear increase in cross section with increasing energy.]
ENDF/B-V AM-243B
Damage

Energy (MeV)

Damage (MeV-barns)

10^{-11} 10^{-10} 10^{-9} 10^{-8} 10^{-7} 10^{-6} 10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1}
ENDF/B-V AM-243B
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
ENDF/B-V AM-243B Damage

Damage (MeV-barns) vs. Energy (MeV) graph.
ENDF/B-V AM-243B
angular distribution for elastic
ENDF/B-V AM-243B
Total fission nubar
ENDF/B-V AM-243B
Photon emission for fission
ENDF/B-V AM-243B
Photon emission for (n,gma)
ENDF/B-V AM-243B
Photon emission for nonelastic

![Graph showing photon emission probabilities](image)
ENDF/B-V AM-243B
thermal capture photon spectrum

Gamma Prod (barns/MeV)

Gamma Energy (MeV)
ENDF/B-V AM-243B
14 MeV photon spectrum