ENDF/B-IV PU-238
Principal cross sections

Cross section (barns)

Energy (MeV)

- total
- absorption
- elastic
ENDF/B-IV PU-238
resonance total cross section

![Graph showing the resonance total cross section for ENDF/B-IV PU-238. The x-axis represents energy in MeV, ranging from $10^{-6}$ to $10^{-5}$, and the y-axis represents cross section in barns, ranging from $10^1$ to $10^3$. The graph features two prominent peaks, indicating resonance interactions at specific energies.]
ENDF/B-IV PU-238
resonance total cross section

Energy (MeV)

Cross section (barns)

- total
ENDF/B-IV PU-238
resonance total cross section

![Graph](attachment:image.png)
ENDF/B-IV PU-238
resonance absorption cross sections

- Capture
- Fission

Cross section (barns)
Energy (MeV)
ENDF/B-IV PU-238
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture

fission
ENDF/B-IV PU-238
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

- capture
- fission
ENDF/B-IV PU-238
UR total cross section

Energy (MeV)

Cross section (barns)

- Inf. Dil.
- 100 b
- 1 b
ENDF/B-IV PU-238
UR elastic cross section

Energy (MeV)

Cross section (barns)

Inf. Dil. 100 b 1 b

10^1

10^-3 10^-2

Energy (MeV)
ENDF/B-IV PU-238 Damage

Energy (MeV) vs. Damage (MeV-barns) graph
ENDF/B-IV PU-238
Principal cross sections

Energy (MeV)

Cross section (barns)

total
absorption
elastic

Energy (MeV)
ENDF/B-IV PU-238 Heating

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

- Heating curve shown.

Energy range: 0 to 20 MeV
Heating range: 0 to 100 MeV/reaction
ENDF/B-IV PU-238
Non-threshold reactions

Energy (MeV)

Cross section (barns)

fission

(n,gma)
ENDF/B-IV PU-238
angular distribution for elastic
ENDF/B-IV PU-238
angular distribution for (n,2n)
ENDF/B-IV PU-238
angular distribution for (n,3n)
ENDF/B-IV PU-238
angular distribution for fission

Probl/Cos

Cosine

10^-1
10^0
10^1

Energy (MeV)

5
10
15
20
ENDF/B-IV PU-238
angular distribution for (n,n*1)
ENDF/B-IV PU-238
angular distribution for (n,n*2)
ENDF/B-IV PU-238 angular distribution for (n,n*3)
ENDF/B-IV PU-238
angular distribution for (n,n\*4)
ENDF/B-IV PU-238
angular distribution for (n,n*5)
ENDF/B-IV PU-238
angular distribution for (n,n*6)
ENDF/B-IV PU-238
angular distribution for (n,n*7)
ENDF/B-IV PU-238
angular distribution for \((n,n*8)\)
ENDF/B-IV PU-238
angular distribution for (n,n*9)
ENDF/B-IV PU-238
angular distribution for (n,n*c)
ENDF/B-IV PU-238
Total fission nubar

Energy (MeV)

Fission nubar

Energy (MeV)