ENDF/B-IV PU-242
Principal cross sections
ENDF/B-IV PU-242
resonance total cross section

Cross section (barns)

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

Cross section (barns)

Energy (MeV)
ENDF/B-IV PU-242
resonance total cross section
ENDF/B-IV PU-242
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
ENDF/B-IV PU-242 resonance absorption cross sections

Energy (MeV) vs. Cross section (barns)

- Capture resonance peaks at various energies.
ENDF/B-IV PU-242
UR total cross section

Energy (MeV)

Cross section (barns)

Inf. Dil.
100 b
1 b

Energy (MeV)
ENDF/B-IV PU-242
UR elastic cross section

Energy (MeV)

Cross section (barns)

Inf. Dil
100 b
1 b
ENDF/B-IV PU-242
UR capture cross section

Energy (MeV)

Cross section (barns)

Inf. Dil.
100 b
1 b

10^{-2}
ENDF/B-IV PU-242
Non-threshold reactions

Energy (MeV)

Cross section (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}

10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4}

(n,gma)
ENDF/B-IV PU-242 Heating

Energy (MeV) vs Heating (MeV/reaction) graph.
ENDF/B-IV PU-242 Damage

Energy (MeV) vs. Damage (MeV-barns) graph.
ENDF/B-IV PU-242
Non-threshold reactions

Cross section (barns)

Energy (MeV)

(n,gma)
ENDF/B-IV 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-IV PU-242
angular distribution for elastic
ENDF/B-IV PU-242
angular distribution for (n,2n)

Prob/Cos

Energy (MeV)

Cosine

0.5

0.0

-0.5

-1.0

0.0

-0.5

-1.0

1.0

10.0

100.0

Energy (MeV)

12

14

16

18

20
ENDF/B-IV PU-242
angular distribution for (n,3n)
ENDF/B-IV PU-242 angular distribution for fission
ENDF/B-IV PU-242
angular distribution for (n,n*1)
ENDF/B-IV PU-242
angular distribution for \( (n,n^{*2}) \)
ENDF/B-IV PU-242
angular distribution for (n,n*3)
ENDF/B-IV PU-242
angular distribution for (n,n*4)
ENDF/B-IV PU-242
angular distribution for (n,n*5)
ENDF/B-IV PU-242
angular distribution for (n,n*6)
ENDF/B-IV PU-242
angular distribution for (n,n*7)
ENDF/B-IV PU-242
angular distribution for \((n,n^*8)\)
ENDF/B-IV PU-242
angular distribution for (n,n*9)
ENDF/B-IV PU-242
angular distribution for (n,n*10)
ENDF/B-IV PU-242
angular distribution for (n,n*c)
ENDF/B-IV PU-242
Total fission nubar

Energy (MeV)

Fission nubar

Energy (MeV)