ENDF/B-VII.1 AM-242M1
Principal cross sections

Energy (MeV)

Cross section (barns)

total
absorption
elastic
ENDF/B-VII.1 AM-242M1
resonance total cross section
ENDF/B-VII.1 AM-242M1 resonance total cross section
ENDF/B-VII.1 AM-242M1
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 AM-242M1
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
fission
ENDF/B-VII.1 AM-242M1
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 AM-242M1
UR elastic cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 AM-242M1
UR fission cross section

Energy (MeV)

Cross section (barns)

Inf. Dil.

100 b

10 b

10^1

10^2

10^{-4}

10^{-3}

10^{-2}

10^{-1}

Energy (MeV)
ENDF/B-VII.1 AM-242M1
UR capture cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 AM-242M1 Damage

Energy (MeV) vs. Damage (MeV-barns) graph.
ENDF/B-VII.1 AM-242M1
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic

Energy (MeV)

Cross section (barns)
ENDF/B-VII.1 AM-242M1 Heating

![Graph showing the Heating (MeV/reaction) as a function of Energy (MeV). The graph peaks around 10 MeV and decreases towards 20 MeV.]
ENDF/B-VII.1 AM-242M1 Damage

Energy (MeV) vs. Damage (MeV-barns) graph.
ENDF/B-VII.1 AM-242M1
Non-threshold reactions

Energy (MeV)

Cross section (barns)

fission

\( (n,g_{\gamma\alpha}) \)
ENDF/B-VII.1 AM-242M1
Inelastic levels

Cross section (barns) vs. Energy (MeV)

- (n,n*6)
- (n,n*7)
- (n,n*8)
- (n,n*9)
- (n,n*10)
ENDF/B-VII.1 AM-242M1
Inelastic levels

Cross section (barns)

Energy (MeV)

- (n,n*16)
- (n,n*17)
- (n,n*18)
- (n,n*19)
- (n,n*20)
ENDF/B-VII.1 AM-242M1
Inelastic levels

Energy (MeV)

Cross section (barns)

- (n,n*26)
- (n,n*27)
- (n,n*28)
- (n,n*29)
- (n,n*30)

Energy (MeV)
ENDF/B-VII.1 AM-242M1
angular distribution for elastic
ENDF/B-VII.1 AM-242M1
angular distribution for (n,n*1)
ENDF/B-VII.1 AM-242M1
angular distribution for (n,n*2)
ENDF/B-VII.1 AM-242M1
angular distribution for (n,n*3)
ENDF/B-VII.1 AM-242M1
angular distribution for (n,n*4)
ENDF/B-VII.1 AM-242M1
angular distribution for (n,n*5)
ENDF/B-VII.1 AM-242M1
angular distribution for (n,n*6)
ENDF/B-VII.1 AM-242M1
angular distribution for (n,n*7)
ENDF/B-VII.1 AM-242M1
angular distribution for (n,n*8)
ENDF/B-VII.1 AM-242M1
angular distribution for (n,n\*9)
ENDF/B-VII.1 AM-242M1 angular distribution for (n,n*10)
ENDF/B-VII.1 AM-242M1
angular distribution for (n,n\*11)
ENDF/B-VII.1 AM-242M1
angular distribution for (n,n*12)
ENDF/B-VII.1 AM-242M1
angular distribution for (n,n*13)
ENDF/B-VII.1 AM-242M1
angular distribution for (n,n*14)
ENDF/B-VII.1 AM-242M1
angular distribution for (n,n*16)
ENDF/B-VII.1 AM-242M1
angular distribution for (n,n*17)
ENDF/B-VII.1 AM-242M1
angular distribution for (n,n*18)
ENDF/B-VII.1 AM-242M1
angular distribution for (n,n*19)
ENDF/B-VII.1 AM-242M1
angular distribution for \((n,n^\ast 20)\)
ENDF/B-VII.1 AM-242M1
angular distribution for (n,n*21)
ENDF/B-VII.1 AM-242M1
angular distribution for (n,n*22)
ENDF/B-VII.1 AM-242M1
angular distribution for (n,n'23)
ENDF/B-VII.1 AM-242M1
angular distribution for \( (n,n^*24) \)
ENDF/B-VII.1 AM-242M1
angular distribution for \((n,n^\ast25)\)
ENDF/B-VII.1 AM-242M1
angular distribution for (n,n*26)
ENDF/B-VII.1 AM-242M1
angular distribution for (n,n*27)
ENDF/B-VII.1 AM-242M1
angular distribution for (n,n*28)
ENDF/B-VII.1 AM-242M1
angular distribution for (n,n*29)
ENDF/B-VII.1 AM-242M1
angular distribution for (n,n*30)
ENDF/B-VII.1 AM-242M1
angular distribution for (n,n*31)
ENDF/B-VII.1 AM-242M1
angular distribution for (n,n*32)
ENDF/B-VII.1 AM-242M1
angular distribution for (n,n*33)
ENDF/B-VII.1 AM-242M1
Total fission nubar

Energy (MeV)

Fission nubar

Energy (MeV)
ENDF/B-VII.1 AM-242M1
Neutron emission for (n,2n)
ENDF/B-VII.1 AM-242M1
Neutron emission for (n,3n)
ENDF/B-VII.1 AM-242M1
Neutron emission for fission
ENDF/B-VII.1 AM-242M1
Neutron emission for (n,n*c)