ENDF/B-VII.1 CE-136
Principal cross sections

Cross section (barns)

Energy (MeV)

- total
- absorption
- elastic
- gamma production
ENDF/B-VII.1 CE-136
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 CE-136 resonance total cross section
ENDF/B-VII.1 CE-136
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
ENDF/B-VII.1 CE-136
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

- capture
ENDF/B-VII.1 CE-136
UR total cross section

Energy (MeV)

Cross section (barns)

- Inf. Dil.
- 100 b
- 1 b

Energy (MeV)

Cross section (barns)
ENDF/B-VII.1 CE-136
UR elastic cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 CE-136
Non-threshold reactions

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 CE-136
Inelastic levels

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 CE-136
Inelastic levels

Cross section (barns) vs. Energy (MeV)

*10^-3

(n,n^*6)
ENDF/B-VII.1 CE-136
Threshold reactions

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 CE-136
Threshold reactions

Energy (MeV)

Cross section (barns)

(n,a*8)
(n,a*9)
(n,a*10)
(n,a*11)
(n,a*c)
ENDF/B-VII.1 CE-136
angular distribution for elastic
ENDF/B-VII.1 CE-136
angular distribution for (n,n*1)
ENDF/B-VII.1 CE-136
angular distribution for (n,n*2)
ENDF/B-VII.1 CE-136
angular distribution for (n,n*3)
ENDF/B-VII.1 CE-136
angular distribution for (n,n*4)
ENDF/B-VII.1 CE-136
angular distribution for (n,n*5)
ENDF/B-VII.1 CE-136
general angular distribution for (n,n*6)
ENDF/B-VII.1 CE-136
Neutron emission for (n,2n)
ENDF/B-VII.1 CE-136
Neutron emission for (n,3n)
ENDF/B-VII.1 CE-136
Neutron emission for \((n,n^*)a\)
ENDF/B-VII.1 CE-136
Neutron emission for (n,2n)a
ENDF/B-VII.1 CE-136
Neutron emission for \((n,n^*)p\)
ENDF/B-VII.1 CE-136
Neutron emission for (n,2np)
ENDF/B-VII.1 CE-136
Neutron emission for $(n,n^*c)$
ENDF/B-VII.1 CE-136
Photon emission for (n,2n)
ENDF/B-VII.1 CE-136
Photon emission for (n,3n)
ENDF/B-VII.1 CE-136
Photon emission for (n,n*)a
ENDF/B-VII.1 CE-136
Photon emission for (n,2n)a
ENDF/B-VII.1 CE-136
Photon emission for (n,n*)p
ENDF/B-VII.1 CE-136
Photon emission for (n,2np)
ENDF/B-VII.1 CE-136
Photon emission for (n,n*c)
ENDF/B-VII.1 CE-136
Photon emission for (n,γma)
ENDF/B-VII.1 CE-136
Photon emission for (n,p^c)
ENDF/B-VII.1 CE-136
Photon emission for \((n,a^*c)\)
ENDF/B-VII.1 CE-136
thermal capture photon spectrum
ENDF/B-VII.1 CE-136
14 MeV photon spectrum

Gamma Prod (barns/MeV)

Gamma Energy (MeV)
Recoil Heating

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

Energy (MeV)

Heating (MeV/reaction)
ENDF/B-VII.1 CE-136
Particle production cross sections

Cross section (barns) vs. Energy (MeV)

- Protons
- Alphas
ENDF/B-VII.1 CE-136
protons from \((n,n^*)p\)
ENDF/B-VII.1 CE-136
protons from (n,2np)
ENDF/B-VII.1 CE-136
angular distribution for (n,p\textsuperscript{0}) proton
ENDF/B-VII.1 CE-136 angular distribution for (n,p*1) proton
ENDF/B-VII.1 CE-136
angular distribution for (n,p*2) proton
ENDF/B-VII.1 CE-136 angular distribution for (n,p*3) proton
ENDF/B-VII.1 CE-136
angular distribution for (n,p*4) proton
ENDF/B-VII.1 CE-136
angular distribution for (n,p*5) proton
ENDF/B-VII.1 CE-136
angular distribution for (n,p*6) proton

Energy (MeV)

Cosine

Prob/Cos

1.0  0.5  0.0  -0.5  -1.0  0  5  10  15  20
ENDF/B-VII.1 CE-136
angular distribution for (n,p^7) proton
ENDF/B-VII.1 CE-136
angular distribution for (n,p*8) proton
ENDF/B-VII.1 CE-136 protons from \((n,p^*c)\)
ENDF/B-VII.1 CE-136
alphas from (n,n*)a
ENDF/B-VII.1 CE-136
alphas from (n,2n)a
ENDF/B-VII.1 CE-136
angular distribution for (n,a*0) alpha
ENDF/B-VII.1 CE-136
angular distribution for (n,a*1) alpha
ENDF/B-VII.1 CE-136
angular distribution for (n,a*2) alpha
ENDF/B-VII.1 CE-136
angular distribution for (n,a*3) alpha
ENDF/B-VII.1 CE-136
angular distribution for (n, a*4) alpha
ENDF/B-VII.1 CE-136
angular distribution for (n,a*5) alpha
ENDF/B-VII.1 CE-136
angular distribution for (n,a*6) alpha
ENDF/B-VII.1 CE-136
angular distribution for (n,a^7) alpha
ENDF/B-VII.1 CE-136
angular distribution for (n,a*8) alpha
ENDF/B-VII.1 CE-136
angular distribution for (n,a*9) alpha
ENDF/B-VII.1 CE-136
angular distribution for (n,a*10) alpha
ENDF/B-VII.1 CE-136
angular distribution for \((n,a^*11)\) alpha
ENDF/B-VII.1 CE-136
alphas from (n,a*c)