ENDF/B-VI CA-NATH
resonance total cross section

Energy (MeV)

Cross section (barns)
ENDF/B-VI CA-NATH
resonance total cross section

Energy (MeV)

Cross section (barns)

10^{-1} 10^{0} 10^{1}
ENDF/B-VI CA-NATH
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VI CA-NATH
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
ENDF/B-VI CA-NATH
resonance absorption cross sections

Capture cross section as a function of energy.
ENDF/B-VI CA-NATH
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VI CA-NATH
Non-threshold reactions

Cross section (barns) vs. Energy (MeV)

- (n,gma)
- (n,a)
- (n,xa)
ENDF/B-VI CA-NATH
Inelastic levels

Energy (MeV)

Cross section (barns)

- (n,n*6)
- (n,n*7)
- (n,n*8)
- (n,n*9)
- (n,n*10)
ENDF/B-VI CA-NATH
angular distribution for elastic
ENDF/B-VI CA-NATH
angular distribution for elastic
ENDF/B-VI CA-NATH
angular distribution for (n,n*2)
ENDF/B-VI CA-NATH
angular distribution for (n,n*3)
ENDF/B-VI CA-NATH
angular distribution for (n,n*4)
ENDF/B-VI CA-NATH
angular distribution for (n,n*6)
ENDF/B-VI CA-NATH
angular distribution for \((n,n^*7)\)
ENDF/B-VI CA-NATH
angular distribution for (n,n*8)
ENDF/B-VI CA-NATH
angular distribution for (n,n*9)
ENDF/B-VI CA-NATH
angular distribution for \( (n,n*10) \)
ENDF/B-VI CA-NATH
angular distribution for (n,n*11)
ENDF/B-VI CA-NATH
angular distribution for (n,n*12)
ENDF/B-VI CA-NATH
angular distribution for (n,n*13)
ENDF/B-VI CA-NATH
angular distribution for (n,n*14)
ENDF/B-VI CA-NATH
Neutron emission for (n,x)
ENDF/B-VI CA-NATH
Neutron emission for \((n,n^*)a\)
ENDF/B-VI CA-NATH
Neutron emission for \((n,n^*)p\)
ENDF/B-VI CA-NATH
Neutron emission for (n,n*c)
ENDF/B-VI CA-NATH
Photon emission for inelastic
ENDF/B-VI CA-NATH
Photon emission for (n,n*)a
ENDF/B-VI CA-NATH
Photon emission for (n,gma)
ENDF/B-VI CA-NATH
Photon emission for (n,p)
ENDF/B-VI CA-NATH
Photon emission for (n,a)
ENDF/B-VI CA-NATH
Photon emission for (n,x)
ENDF/B-VI CA-NATH
thermal capture photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)

0 2 4 6

0 1 2 3 4 5 6 7 8

10^{-1} 10^{0} 10^{1} 10^{2}
ENDF/B-VI CA-NATH
14 MeV photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)
ENDF/B-VI CA-NATH
Particle heating contributions

MeV/collision vs. Energy (MeV)

- Protons
- Deuterons
- Tritons
- Alphas
ENDF/B-VI CA-NATH
Recoil Heating

Graph showing the relationship between energy (MeV) and heating (MeV/reaction) for recoil heating.
ENDF/B-VI CA-NATH
Particle production cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VI CA-NATH
protons from (n,x)
ENDF/B-VI CA-NATH
deuteron from (n,x)
ENDF/B-VI CA-NATH
tritons from (n,x)
ENDF/B-VI CA-NATH
alphas from (n,x)