ENDF/B-V CO-59
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
- gamma production

Energy (MeV)
ENDF/B-V CO-59
resonance total cross section

Energy (MeV)

Cross section (barns)
ENDF/B-V CO-59
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-V CO-59
resonance total cross section

Cross section (barns)

Energy (MeV)
E\NDF/B-V CO-59
resonance total cross section
ENDF/B-V CO-59 resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
ENDF/B-V CO-59
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-V CO-59
resonance absorption cross sections

- Cross section (barns)
- Energy (MeV)

Capture
ENDF/B-V CO-59
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
ENDF/B-V CO-59
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
ENDF/B-V CO-59 Heating

Energy (MeV)

Heating (MeV/reaction)

heating
ENFD/B-V CO-59
Inelastic levels

Cross section (barns)

Energy (MeV)

(n,n*11)
ENDF/B-V CO-59
Threshold reactions

Cross section (barns) vs. Energy (MeV) for different reactions:
- (n,2n)
- (n,n*)a
- (n,n*)p
- (n,n*c)
- (n,p)
ENDF/B-V CO-59
angular distribution for elastic
ENDF/B-V CO-59
general angular distribution for \((n,n^*)a\)
ENDF/B-V CO-59
angular distribution for (n,n*)p

Prob/Cos

100

10-1

1.0 0.5 0.0 -0.5 -1.0

Cosine

8 10 12 14 16 18 20

Energy (MeV)
ENDF/B-V CO-59
angular distribution for (n,n*1)
ENDF/B-V CO-59
angular distribution for (n,n*2)
ENDF/B-V CO-59
angular distribution for (n,n*3)
ENDF/B-V CO-59
angular distribution for (n,n*4)
ENDF/B-V CO-59
angular distribution for (n,n^*5)
ENDF/B-V CO-59
angular distribution for (n,n*6)
ENDF/B-V CO-59
angular distribution for (n,n*7)
ENDF/B-V CO-59
angular distribution for \((n,n^*8)\)
ENDF/B-V CO-59
angular distribution for (n,n*9)
ENDF/B-V CO-59
angular distribution for (n,n*10)
ENDF/B-V CO-59
angular distribution for (n,n*11)
ENDF/B-V CO-59
angular distribution for \((n,n^*c)\)
ENDF/B-V CO-59
Neutron emission for (n,2n)
ENDF/B-V CO-59
Neutron emission for \((n,n^*c)\)
ENDF/B-V CO-59
Photon emission for (n,gma)
ENDF/B-V CO-59
Photon emission for nonelastic
ENDF/B-V CO-59
thermal capture photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)
ENDF/B-V CO-59
14 MeV photon spectrum