ENDF/B-VI AU-197A
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
- gamma production
ENDF/B-VI AU-197A resonance total cross section
ENDF/B-VI AU-197A
resonance total cross section

Energy (MeV) vs. Cross section (barns)
ENDF/B-VI AU-197A
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VI AU-197A
resonance absorption cross sections

Capture cross section as a function of energy.
ENDF/B-VI AU-197A
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VI AU-197A
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

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

10^{-4}  10^{-3}
ENDF/B-VI AU-197A
resonance absorption cross sections

Cross section (barns)

Energy (MeV)

Capture
ENDF/B-VI AU-197A
resonance absorption cross sections

[Graph showing resonance absorption cross sections with energy (MeV) on the x-axis and cross section (barns) on the y-axis.]
ENDF/B-VI AU-197A

Heating

Energy (MeV)

Heating (MeV/reaction)

$10^{-11}$ $10^{-9}$ $10^{-7}$ $10^{-5}$ $10^{-3}$ $10^{-1}$ $10^1$

$10^{-7}$ $10^{-6}$ $10^{-5}$ $10^{-4}$ $10^{-3}$ $10^{-2}$ $10^{-1}$
ENDF/B-VI AU-197A
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
- gamma production

Energy (MeV)
ENDF/B-VI AU-197A
Non-threshold reactions

Cross section (barns)

Energy (MeV)
ENDF/B-VI AU-197A
Threshold reactions

Energy (MeV)

Cross section (barns)

- $(n,2n)$
- $(n,3n)$
- $(n,4n)$
- $(n,n^*c)$
- $(n,p)$

- Energy (MeV) range: 0 to 30
- Cross section (barns) range: 0 to 3.0
ENDF/B-VI AU-197A
Threshold reactions

Cross section (barns)

Energy (MeV)
ENDF/B-VI AU-197A
Threshold reactions

Energy (MeV)

Cross section (barns)

- (n,xp)
- (n,xa)

Energy (MeV)

(n,xp)

(n,xa)
ENDF/B-VI AU-197A
angular distribution for elastic
ENDF/B-VI AU-197A
angular distribution for (n,2n)
ENDF/B-VI AU-197A
angular distribution for (n,3n)
ENDF/B-VI AU-197A
angular distribution for (n,4n)
ENDF/B-VI AU-197A
angular distribution for (n,n*1)
ENDF/B-VI AU-197A
angular distribution for (n,n*2)
ENDF/B-VI AU-197A
angular distribution for \( (n,n^*3) \)
ENDF/B-VI AU-197A
angular distribution for (n,n^*4)
ENDF/B-VI AU-197A
angular distribution for (n,n*5)
ENDF/B-VI AU-197A
angular distribution for (n,n*6)
ENDF/B-VI AU-197A
angular distribution for (n,n*7)
ENDF/B-VI AU-197A
angular distribution for (n,n*8)
ENDF/B-VI AU-197A
angular distribution for (n,n*9)
ENDF/B-VI AU-197A
angular distribution for (n,n*10)
ENDF/B-VI AU-197A
angular distribution for (n,n*11)
ENDF/B-VI AU-197A
angular distribution for \((n,n^*12)\)
ENDF/B-VI AU-197A
angular distribution for (n,n*13)
ENDF/B-VI AU-197A
angular distribution for (n,n*c)
ENDF/B-VI AU-197A
Neutron emission for (n,2n)
ENDF/B-VI AU-197A
Neutron emission for (n,3n)
ENDF/B-VI AU-197A
Neutron emission for \((n,4n)\)
ENDF/B-VI AU-197A
Neutron emission for (n,n*c)
ENDF/B-VI AU-197A
Photon emission for (n,gma)
ENDF/B-VI AU-197A
Photon emission for inelastic
ENDF/B-VI AU-197A
Photon emission for (n,2n)
ENDF/B-VI AU-197A
Photon emission for (n,3n)
Photon emission for (n,4n)
ENDF/B-VI AU-197A
thermal capture photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)
ENDF/B-VI AU-197A
14 MeV photon spectrum