JEFF-3.0 AU-197
resonance total cross section

Cross section (barns)

Energy (MeV)
JEFF-3.0 AU-197
resonance total cross section

Energy (MeV)

Cross section (barns)
JEFF-3.0 AU-197
resonance total cross section

Cross section (barns)

Energy (MeV)
JEFF-3.0 AU-197
resonance total cross section
JEFF-3.0 AU-197
resonance total cross section

Energy (MeV)

Cross section (barns)
JEFF-3.0 AU-197
resonance total cross section

Energy (MeV) vs. Cross section (barns)
JEFF-3.0 AU-197
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
JEFF-3.0 AU-197
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
JEFF-3.0 AU-197 resonance absorption cross sections

Energy (MeV)

Cross section (barns)
JEFF-3.0 AU-197
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

-10
-2
-1

10
0

10
0

10
-1
JEFF-3.0 AU-197
resonance absorption cross sections

Capture cross section as a function of energy (MeV). The cross section is displayed on a logarithmic scale from $10^{-1}$ to $10^{0}$ barns, with energy ranging from $10^{-1}$ to $10^{0}$ MeV.
JEFF-3.0 AU-197
Principal cross sections

![Graph showing cross sections vs energy](image)

- **Total**
- **Absorption**
- **Elastic**
- **Gamma Production**
JEFF-3.0 AU-197
Non-threshold reactions

Cross section (barns) vs. Energy (MeV)

- Energy (MeV) range: 0 to 30
- Cross section (barns) range: from $10^{-1}$ to $10^{-5}$

The graph shows the cross section for the reaction (n,gma) with varying energy levels.
JEFF-3.0 AU-197
Inelastic levels

Cross section (barns)

Energy (MeV)
JEFF-3.0 AU-197
Inelastic levels

Energy (MeV)

Cross section (barns)

(n,n*6)
(n,n*7)
(n,n*8)
(n,n*9)
(n,n*10)
JEFF-3.0 AU-197
Threshold reactions

Energy (MeV)

Cross section (barns)

- (n,2n)
- (n,3n)
- (n,4n)
- (n,n^c)
- (n,p)
JEFF-3.0 AU-197
Threshold reactions

Energy (MeV)

Cross section (barns)

(n,a)
JEFF-3.0 AU-197
angular distribution for elastic
JEFF-3.0 AU-197
angular distribution for (n,2n)
JEFF-3.0 AU-197
angular distribution for (n,3n)
JEFF-3.0 AU-197
angular distribution for (n,4n)
JEFF-3.0 AU-197
angular distribution for (n,n*1)
JEFF-3.0 AU-197
angular distribution for (n,n*2)
JEFF-3.0 AU-197
angular distribution for \((n,n^*3)\)
JEFF-3.0 AU-197
angular distribution for $(n,n^*4)$
JEFF-3.0 AU-197
angular distribution for \((n,n^*5)\)
JEFF-3.0 AU-197
angular distribution for \((n,n^*6)\)
JEFF-3.0 AU-197
angular distribution for (n,n*7)
JEFF-3.0 AU-197
angular distribution for (n,n*8)
JEFF-3.0 AU-197
angular distribution for \((n,n^*9)\)
JEFF-3.0 AU-197
angular distribution for (n,n^10)
JEFF-3.0 AU-197
angular distribution for \((n,n*11)\)
JEFF-3.0 AU-197
angular distribution for (n,n*12)
JEFF-3.0 AU-197
angular distribution for (n,n*13)
JEFF-3.0 AU-197
angular distribution for \((n,n^*c)\)
JEFF-3.0 AU-197
Neutron emission for (n,2n)
JEFF-3.0 AU-197
Neutron emission for (n,3n)
JEFF-3.0 AU-197
Neutron emission for (n,4n)
JEFF-3.0 AU-197
Neutron emission for \((n, n^*c)\)
JEFF-3.0 AU-197
Photon emission for (n,gma)
JEFF-3.0 AU-197
Photon emission for inelastic
JEFF-3.0 AU-197
Photon emission for (n,2n)
JEFF-3.0 AU-197
Photon emission for (n,3n)
JEFF-3.0 AU-197
Photon emission for (n,4n)
JEFF-3.0 AU-197
thermal capture photon spectrum
JEFF-3.0 AU-197
14 MeV photon spectrum

Gamma Prod (barns/MeV)

Gamma Energy (MeV)