JEFF-3.1 GD-155
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic

Energy (MeV)
JEFF-3.1 GD-155
resonance total cross section

Energy (MeV) vs. Cross section (barns)

- Energy scale: $10^{-7}$ to $10^{-6}$ MeV
- Cross section scale: $10^4$ to $10^2$ barns

The graph shows a downward trend in cross section as energy increases.
JEFF-3.1 GD-155
resonance total cross section

Energy (MeV)

Cross section (barns)
JEFF-3.1 GD-155
resonance total cross section

Energy (MeV) vs. Cross section (barns)
JEFF-3.1 GD-155
resonance total cross section

Energy (MeV)

Cross section (barns)

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

total
JEFF-3.1 GD-155
resonance total cross section

Cross section (barns)

Energy (MeV)
JEFF-3.1 GD-155
resonance total cross section

Energy (MeV)

Cross section (barns)
JEFF-3.1 GD-155
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
JEFF-3.1 GD-155
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
JEFF-3.1 GD-155
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
JEFF-3.1 GD-155
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
JEFF-3.1 GD-155
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
JEFF-3.1 GD-155
resonance absorption cross sections

capture

Cross section (barns)

Energy (MeV)
JEFF-3.1 GD-155
UR total cross section

Cross section (barns)

Energy (MeV)
JEFF-3.1 GD-155
UR elastic cross section

Cross section (barns) vs. Energy (MeV)
JEFF-3.1 GD-155
UR capture cross section

Energy (MeV) vs. Cross section (barns)

- Inf. Dil.
- 100 b
- 1 b

The graph shows the variation of cross section with energy for different dilutions.
JEFF-3.1 GD-155

Heating

Energy (MeV)

Heating (MeV/reaction)
JEFF-3.1 GD-155
Principal cross sections

Energy (MeV)

Cross section (barns)

- Total
- Absorption
- Elastic

Energy (MeV)
JEFF-3.1 GD-155
Damage

Energy (MeV) vs. Damage (MeV-barns) graph.
JEFF-3.1 GD-155
Inelastic levels

Cross section (barns) vs. Energy (MeV)

- (n,n*21)
- (n,n*22)
- (n,n*23)
- (n,n*24)
- (n,n*25)
JEFF-3.1 GD-155
Threshold reactions

Cross section (barns) vs. Energy (MeV)

(n,2p)
JEFF-3.1 GD-155
Threshold reactions

Energy (MeV)

Cross section (barns)

(n,xp)  
(n,xd)  
(n,xt)  
(n,xhe3)
JEFF-3.1 GD-155
angular distribution for elastic
JEFF-3.1 GD-155
angular distribution for (n,n^*1)
JEFF-3.1 GD-155
angular distribution for (n,n*2)
JEFF-3.1 GD-155
angular distribution for \( (n,n^*3) \)
JEFF-3.1 GD-155
angular distribution for (n,n*4)
JEFF-3.1 GD-155 angular distribution for (n,n*5)
JEFF-3.1 GD-155
angular distribution for (n,n*6)
JEFF-3.1 GD-155
angular distribution for (n,n*7)
JEFF-3.1 GD-155
angular distribution for \((n,n^*8)\)
JEFF-3.1 GD-155
angular distribution for (n,n*9)
JEFF-3.1 GD-155
angular distribution for (n,n*10)
JEFF-3.1 GD-155
angular distribution for (n,n*11)
JEFF-3.1 GD-155
angular distribution for (n,n*12)
JEFF-3.1 GD-155
angular distribution for \((n,n'13)\)
JEFF-3.1 GD-155
angular distribution for (n,n*14)
JEFF-3.1 GD-155
angular distribution for (n,n*15)
JEFF-3.1 GD-155
angular distribution for (n,n*16)
JEFF-3.1 GD-155
angular distribution for \((n,n^*17)\)
JEFF-3.1 GD-155
angular distribution for \((n,n^{*18})\)
JEFF-3.1 GD-155
angular distribution for \( (n,n^{*19}) \)
JEFF-3.1 GD-155
angular distribution for (n,n*20)
JEFF-3.1 GD-155
angul distribution for \((n,n^{*21})\)
JEFF-3.1 GD-155
angular distribution for (n,n*22)
JEFF-3.1 GD-155
angular distribution for (n,n*23)
JEFF-3.1 GD-155
angular distribution for \( (n,n^{*24}) \)
JEFF-3.1 GD-155
angular distribution for (n,n*25)
JEFF-3.1 GD-155
angular distribution for (n,n*26)
JEFF-3.1 GD-155
angular distribution for (n,n*27)
JEFF-3.1 GD-155
angular distribution for (n,n*28)
JEFF-3.1 GD-155
angular distribution for (n,n*29)
JEFF-3.1 GD-155
angular distribution for \((n,n^*c)\)