JEFF-3.1 CD-110
resonance total cross section

Energy (MeV) vs. Cross section (barns)
JEFF-3.1 CD-110
resonance total cross section
JEFF-3.1 CD-110
resonance absorption cross sections

Energy (MeV) vs. Cross section (barns)

- Capture curve

- Log-log scale

- Energy range: $10^{-5}$ to $10^{-4}$ MeV

- Cross section range: $10^{-4}$ to $10^3$ barns
JEFF-3.1 CD-110
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
JEFF-3.1 CD-110
UR total cross section

Energy (MeV)

Cross section (barns)

Inf. Dil.
100 b
1 b

10^1
10^{-1}
JEFF-3.1 CD-110
UR elastic cross section

Energy (MeV)

Cross section (barns)

Inf. Dil.
100 b
1 b

Energy (MeV)
JEFF-3.1 CD-110
UR capture cross section

Cross section (barns)

Energy (MeV)
JEFF-3.1 CD-110
Non-threshold reactions

Energy (MeV) vs Cross section (barns)

- (n,gma) reaction curve

Log-log scale for energy and cross section
JEFF-3.1 CD-110
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic

Energy (MeV)
JEFF-3.1 CD-110
 Heating

Heating (MeV/reaction) vs. Energy (MeV)

- Heating
JEFF-3.1 CD-110 Damage

Energy (MeV) vs. Damage (MeV-barns) graph showing the relationship between energy and damage.
JEFF-3.1 CD-110
Non-threshold reactions

Cross section (barns)

Energy (MeV)
JEFF-3.1 CD-110
Inelastic levels

Energy (MeV)

Cross section (barns)

(n,n*1)
(n,n*2)
(n,n*3)
(n,n*4)
(n,n*5)

Energy (MeV)
JEFF-3.1 CD-110
Inelastic levels

Energy (MeV)

Cross section (barns)

(n,n*11)
(n,n*12)
(n,n*13)
(n,n*14)
JEFF-3.1 CD-110
Threshold reactions

Cross section (barns) vs Energy (MeV)

- (n,he3)
- (n,a)
JEFF-3.1 CD-110
angular distribution for elastic
JEFF-3.1 CD-110
Neutron emission for (n,2n)
JEFF-3.1 CD-110
Neutron emission for (n,3n)
JEFF-3.1 CD-110
Neutron emission for \((n,n^*)a\)
JEFF-3.1 CD-110
Neutron emission for \( (n,n^*)p \)
JEFF-3.1 CD-110
Neutron emission for \((n,n^*)d\)
JEFF-3.1 CD-110
Neutron emission for (n,n*)t
JEFF-3.1 CD-110
Neutron emission for (n,n*c)