JEFF-3.1 IN-115
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
JEFF-3.1 IN-115
resonance total cross section

Cross section (barns)

Energy (MeV)
JEFF-3.1 IN-115
resonance total cross section

Cross section (barns)

Energy (MeV)
JEFF-3.1 IN-115
resonance total cross section

Cross section (barns)

Energy (MeV)
JEFF-3.1 IN-115
resonance total cross section

Energy (MeV)

Cross section (barns)

- total
JEFF-3.1 IN-115
resonance total cross section

Cross section (barns)

Energy (MeV)
JEFF-3.1 IN-115
resonance absorption cross sections

Cross section (barns) vs Energy (MeV)

- Capture resonance peaks at different energies.
JEFF-3.1 IN-115
resonance absorption cross sections

![Graph showing resonance absorption cross sections for IN-115. The x-axis represents energy in MeV, ranging from $10^{-5}$ to $10^{-4}$, and the y-axis represents cross section in barns, ranging from $10^{-1}$ to $10^2$. The graph displays multiple peaks indicating resonance absorption cross sections. The label 'capture' is shown on the graph.](image-url)
JEFF-3.1 IN-115
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
JEFF-3.1 IN-115
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
JEFF-3.1 IN-115
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
JEFF-3.1 IN-115
UR total cross section

Energy (MeV) vs. Cross section (barns)

- Inf. Dil.
- 100 b
- 1 b

The graph shows the cross section of UR against energy, with different lines representing different dilutions.
JEFF-3.1 IN-115
UR elastic cross section

Energy (MeV)

Cross section (barns)

Inf. Dil.
100 b
1 b
JEFF-3.1 IN-115
UR capture cross section

Energy (MeV)

Cross section (barns)

Inf. Dil.
100 b
1 b
JEFF-3.1 IN-115
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
JEFF-3.1 IN-115
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
JEFF-3.1 IN-115
Inelastic levels

Energy (MeV)

Cross section (barns)

(n,n*1)
(n,n*2)
(n,n*3)
(n,n*4)
(n,n*5)
JEFF-3.1 IN-115
Inelastic levels

Cross section (barns)

Energy (MeV)
JEFF-3.1 IN-115
angular distribution for elastic
JEFF-3.1 IN-115
angular distribution for (n,2n)
JEFF-3.1 IN-115
angular distribution for (n,3n)
JEFF-3.1 IN-115
angular distribution for (n,n*)a
JEFF-3.1 IN-115
angular distribution for \((n,n^\ast)p\)
JEFF-3.1 IN-115
angular distribution for (n,n*)d
JEFF-3.1 IN-115
angular distribution for (n,n*)t
JEFF-3.1 IN-115
angular distribution for (n,n*1)
JEFF-3.1 IN-115
angular distribution for (n,n*2)
JEFF-3.1 IN-115
angular distribution for \((n,n^*3)\)
JEFF-3.1 IN-115
angular distribution for (n,n*4)
JEFF-3.1 IN-115
angular distribution for (n,n*5)
JEFF-3.1 IN-115
angular distribution for (n,n*6)
JEFF-3.1 IN-115
angular distribution for (n,n^7)
JEFF-3.1 IN-115
angular distribution for \((n,n^*8)\)
JEFF-3.1 IN-115
angular distribution for (n,n*9)
JEFF-3.1 IN-115
angular distribution for (n,n*10)
JEFF-3.1 IN-115
angular distribution for (n,n*11)
JEFF-3.1 IN-115
angular distribution for (n,n*12)
JEFF-3.1 IN-115
angular distribution for \((n,n^*13)\)
JEFF-3.1 IN-115
angular distribution for (n,n*c)
JEFF-3.1 IN-115
Neutron emission for (n,2n)
JEFF-3.1 IN-115
Neutron emission for (n,3n)
JEFF-3.1 IN-115
Neutron emission for \((n,n^*)a\)
JEFF-3.1 IN-115
Neutron emission for \((n,n^*)p\)
JEFF-3.1 IN-115
Neutron emission for \((n,n^*)d\)
JEFF-3.1 IN-115
Neutron emission for \((n,n^*)t\)
JEFF-3.1 IN-115
Neutron emission for (n,n*^c)

Prob/MeV

Sec. Energy

Energy (MeV)

0  5  10  15  20

0  2  4  6  8  10  12  14  16  18  20