JEFF-3.1 MO-92
resonance total cross section

Cross section (barns)

Energy (MeV)
JEFF-3.1 MO-92
resonance total cross section

Energy (MeV)

Cross section (barns)

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

10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3}
JEFF-3.1 MO-92
resonance total cross section

Cross section (barns)

Energy (MeV)
JEFF-3.1 MO-92
resonance total cross section

Energy (MeV)

Cross section (barns)

10^{-1}

10^0
JEFF-3.1 MO-92
resonance total cross section

Energy (MeV)

Cross section (barns)

total
JEFF-3.1 MO-92
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
JEFF-3.1 MO-92
resonance absorption cross sections

Capture

Energy (MeV)

Cross section (barns)
JEFF-3.1 MO-92
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
JEFF-3.1 MO-92
resonance absorption cross sections

Cross section (barns)

Energy (MeV)

Capture
JEFF-3.1 MO-92
resonance absorption cross sections

Energy (MeV)

Cross section (barns)
JEFF-3.1 MO-92
UR total cross section

Energy (MeV)

Cross section (barns)

10^0

10^1

Inf. Dil.

100 b

1 b
JEFF-3.1 MO-92
UR elastic cross section

Energy (MeV)

Cross section (barns)

- Inf. Dil.
- 100 b
- 1 b

Energy (MeV)

Cross section (barns)
JEFF-3.1 MO-92
Principal cross sections

![Graph showing principal cross sections with Energy (MeV) on the x-axis and Cross section (barns) on the y-axis. The graph includes lines for total, absorption, elastic, and gamma production.](image-url)
JEFF-3.1 MO-92
Damage

Energy (MeV) vs. Damage (MeV-barns)

- Energy range: 0 to 20 MeV
- Damage range: 0 to 40 \(10^{-3}\)

- Damage increases linearly with energy.

- The graph shows the damage over energy.
JEFF-3.1 MO-92
Inelastic levels

Cross section (barns)

Energy (MeV)
JEFF-3.1 MO-92
Inelastic levels

Energy (MeV)

Cross section (barns)

*10^-3

(n,n*16)
JEFF-3.1 MO-92
Threshold reactions

Cross section (barns)

Energy (MeV)

(n,xp)
(n,xd)
(n,xt)
(n,xhe3)
(n,xa)
JEFF-3.1 MO-92
angular distribution for elastic
JEFF-3.1 MO-92
angular distribution for (n,n*1)
JEFF-3.1 MO-92
angular distribution for (n,n*2)
JEFF-3.1 MO-92
angular distribution for (n,n*3)
JEFF-3.1 MO-92
angular distribution for (n,n*4)
JEFF-3.1 MO-92
angular distribution for \( (n,n^*5) \)
JEFF-3.1 MO-92
angular distribution for (n,n*6)
JEFF-3.1 MO-92
angular distribution for (n,n*7)
JEFF-3.1 MO-92
angular distribution for \((n,n^{*8})\)
JEFF-3.1 MO-92
angular distribution for (n,n*9)
JEFF-3.1 MO-92
angular distribution for \((n,n*10)\)
JEFF-3.1 MO-92
angular distribution for (n,n*11)
JEFF-3.1 MO-92
angular distribution for (n,n*12)
JEFF-3.1 MO-92
angular distribution for (n,n*13)
JEFF-3.1 MO-92
angular distribution for (n,n*14)
JEFF-3.1 MO-92
angular distribution for \((n,n^*15)\)
JEFF-3.1 MO-92
angular distribution for (n,n*16)
JEFF-3.1 MO-92
Neutron emission for (n,2n)
JEFF-3.1 MO-92
Neutron emission for \((n,n^*)a\)
JEFF-3.1 MO-92
Neutron emission for \((n,n^\ast)p\)
JEFF-3.1 MO-92
Neutron emission for (n,n*c)
Photon emission for \((n,gma)\)
Photon emission for nonelastic
JEFF-3.1 MO-92
thermal capture photon spectrum
JEFF-3.1 MO-92
14 MeV photon spectrum
JEFF-3.1 MO-92
Recoil Heating

![Graph showing recoil heating vs energy.](image)
JEFF-3.1 MO-92
protons from (n,xp)
JEFF-3.1 MO-92
deuterons from (n,xd)
JEFF-3.1 MO-92
tritons from (n,xt)
JEFF-3.1 MO-92
he3s from (n,xhe3)
JEFF-3.1 MO-92
alphas from (n,xa)