JEFF-3.0 MO-94
resonance total cross section
JEFF-3.0 MO-94
resonance total cross section
JEFF-3.0 MO-94 resonance total cross section

Energy (MeV) vs. Cross section (barns)
JEFF-3.0 MO-94
resonance total cross section

Energy (MeV)

Cross section (barns)
JEFF-3.0 MO-94
resonance absorption cross sections

Energy (MeV)

Cross section (barns)
capture
JEFF-3.0 MO-94
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
JEFF-3.0 MO-94 resonance absorption cross sections

capture
JEFF-3.0 MO-94
resonance absorption cross sections

![Graph showing resonance absorption cross sections vs energy with a logarithmic scale for both axes. The graph plots cross section in barns against energy in MeV. The y-axis ranges from $10^{-3}$ to $10^{-2}$ and the x-axis ranges from $10^0$ to $10^1$. The line on the graph represents the capture process.]
JEFF-3.0 MO-94
Non-threshold reactions

Cross section (barns)

Energy (MeV)
JEFF-3.0 MO-94
Inelastic levels

Cross section (barns)

Energy (MeV)
JEFF-3.0 MO-94
Inelastic levels

Energy (MeV)

Cross section (barns)

(n,n*16)
(n,n*17)
(n,n*18)
(n,n*19)
JEFF-3.0 MO-94
Threshold reactions

Cross section (barns)

Energy (MeV)

- (n,2n)
- (n,3n)
- (n,n*)a
- (n,n*)p
- (n,n*ν)
JEFF-3.0 MO-94
Threshold reactions

Cross section (barns) vs Energy (MeV) graph showing the following reactions:
- (n,p)
- (n,d)
- (n,t)
- (n,he3)
- (n,a)
JEFF-3.0 MO-94
Threshold reactions

Cross section (barns) vs. Energy (MeV)

- $(n,2p)$

Energy (MeV) range from 10 to 20,
Cross section (barns) range from $10^{-6}$ to 16.
JEFF-3.0 MO-94
Threshold reactions

Energy (MeV)

Cross section (barns)

(n,xp)
(n,xd)
(n,xt)
(n,xhe3)
(n,xa)
JEFF-3.0 MO-94
angular distribution for elastic
JEFF-3.0 MO-94
angular distribution for (n,n*1)
JEFF-3.0 MO-94
angular distribution for (n,n*2)
JEFF-3.0 MO-94
angular distribution for (n,n*3)
JEFF-3.0 MO-94
angular distribution for (n,n*4)
JEFF-3.0 MO-94
angular distribution for (n,n*5)
JEFF-3.0 MO-94
angular distribution for (n,n*6)
JEFF-3.0 MO-94
angular distribution for \((n,n^*7)\)
JEFF-3.0 MO-94
angular distribution for (n,n*8)
JEFF-3.0 MO-94
angular distribution for \((n,n^*9)\)
JEFF-3.0 MO-94
angular distribution for \((n, n^{*10})\)
JEFF-3.0 MO-94
angular distribution for (n,n*11)
JEFF-3.0 MO-94
angular distribution for (n,n*12)
JEFF-3.0 MO-94
angular distribution for (n,n*13)
JEFF-3.0 MO-94
angular distribution for (n,n*14)
JEFF-3.0 MO-94
angular distribution for (n,n*15)
JEFF-3.0 MO-94
angular distribution for (n,n*16)
JEFF-3.0 MO-94
angular distribution for (n,n*17)
JEFF-3.0 MO-94
angular distribution for (n,n*18)
JEFF-3.0 MO-94
angular distribution for (n,n*19)
JEFF-3.0 MO-94
Neutron emission for (n,2n)
JEFF-3.0 MO-94
Neutron emission for (n,3n)
JEFF-3.0 MO-94
Neutron emission for \((n,n^*)a\)
JEFF-3.0 MO-94
Neutron emission for \((n, n^*)p\)
JEFF-3.0 MO-94
Neutron emission for (n,n*c)
JEFF-3.0 MO-94
Particle heating contributions

Energy (MeV)

MeV/collision

protons
deuterons
tritons
he-3
alphas

Energy (MeV)
JEFF-3.0 MO-94
Recoil Heating

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

- Recoil heating
JEFF-3.0 MO-94
Particle production cross sections

Energy (MeV)
Cross section (barns)

- protons
- deuterons
- tritons
- he-3
- alphas

Energy (MeV)
JEFF-3.0 MO-94
protons from (n,xp)
JEFF-3.0 MO-94
deuterons from (n,xd)
JEFF-3.0 MO-94
tritons from (n,xt)
JEFF-3.0 MO-94
he3s from (n,xhe3)
JEFF-3.0 MO-94
alphas from (n,xa)