JEFF-3.0 MO-98
resonance total cross section

Energy (MeV) vs Cross section (barns)

- Energy range: $10^{-5}$ to $10^{-4}$ MeV
- Cross section range: $10^0$ to $10^2$ barns

Graph shows a peak at low energy, with a total cross section that is much lower at higher energies.
JEFF-3.0 MO-98
resonance total cross section

Energy (MeV) vs. Cross section (barns)
JEFF-3.0 MO-98
resonance total cross section

Energy (MeV)

Cross section (barns)

total
JEFF-3.0 MO-98
resonance total cross section

Cross section (barns)

Energy (MeV)
JEFF-3.0 MO-98
resonance total cross section

Cross section (barns) vs. Energy (MeV)
JEFF-3.0 MO-98
resonance absorption cross sections

![Graph showing resonance absorption cross sections](image)
JEFF-3.0 MO-98
resonance absorption cross sections

Cross section (barns) vs. Energy (MeV)
JEFF-3.0 MO-98
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
JEFF-3.0 MO-98
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
JEFF-3.0 MO-98
resonance absorption cross sections

Energy (MeV)

Capture cross section (barns)

Cross section (barns)

10^{-3}

10^{-1}

10^0

10^1
JEFF-3.0 MO-98
Non-threshold reactions

Energy (MeV) vs Cross section (barns)

Energy (MeV) range from $10^{-11}$ to $10^{1}$
Cross section (barns) range from $10^{-3}$ to $10^{2}$

Line labeled (n,gma)
JEFF-3.0 MO-98
Principal cross sections

Energy (MeV) vs. Cross section (barns)

- Total
- Absorption
- Elastic
JEFF-3.0 MO-98
angular distribution for elastic
JEFF-3.0 MO-98
angular distribution for (n,n*1)
JEFF-3.0 MO-98
angular distribution for \((n,n^*2)\)
JEFF-3.0 MO-98
angular distribution for \((n,n^*3)\)
JEFF-3.0 MO-98
angular distribution for (n,n*4)
JEFF-3.0 MO-98
angular distribution for \( (n,n^*5) \)
JEFF-3.0 MO-98
angular distribution for (n,n*6)
JEFF-3.0 MO-98
angular distribution for (n,n*7)
JEFF-3.0 MO-98
angular distribution for (n,n*8)
JEFF-3.0 MO-98
angular distribution for (n,n*9)
JEFF-3.0 MO-98
angular distribution for (n,n*10)
JEFF-3.0 MO-98
angular distribution for (n,n*11)
JEFF-3.0 MO-98
angular distribution for (n,n*12)
JEFF-3.0 MO-98
angular distribution for (n,n*13)
JEFF-3.0 MO-98
angular distribution for (n,n*14)
JEFF-3.0 MO-98
Neutron emission for (n,2n)
JEFF-3.0 MO-98
Neutron emission for (n,3n)
Neutron emission for (n,n*)a
JEFF-3.0 MO-98
Neutron emission for \((n,n^*)p\)
JEFF-3.0 MO-98
Neutron emission for \((n,n^*c)\)
Particle heating contributions

- Protons
- Deuterons
- Tritons
- Alphas

Energy (MeV)

MeV/collision

Energy (MeV)
JEFF-3.0 MO-98
Particle production cross sections

Energy (MeV)

Cross section (barns)

protons
deuterons
tritons
alphas
JEFF-3.0 MO-98
protons from (n,xp)
JEFF-3.0 MO-98
deuterons from (n,xd)
JEFF-3.0 MO-98
tritons from (n,xt)
JEFF-3.0 MO-98
alphas from (n, xa)