JENDL-3.3 ZR-92
resonance total cross section

Energy (MeV)

Cross section (barns)

total
JENDL-3.3 ZR-92
resonance total cross section

Cross section (barns)

Energy (MeV)
JENDL-3.3 ZR-92
resonance absorption cross sections

Energy (MeV) vs. Cross section (barns) graph:
- The graph shows the cross section (in barns) on the vertical axis and energy (in MeV) on the horizontal axis.
- The cross section increases as the energy increases.
- The graph indicates that the cross section is below 10^2 barns for energies up to 10^-3 MeV, and it increases significantly for energies above 10^-3 MeV.

Legend:
- "capture" line indicates the cross section for capture process.
JENDL-3.3 ZR-92
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
JENDL-3.3 ZR-92
resonance absorption cross sections

Capture cross section vs energy plot.
JENDL-3.3 ZR-92
Heating

Energy (MeV)

Heating (MeV/reaction)
JENDL-3.3 ZR-92 Heating

Energy (MeV)

Heating (MeV/reaction)

Energy (MeV)
JENDL-3.3 ZR-92
angular distribution for elastic
JENDL-3.3 ZR-92
angular distribution for (n,n*1)
JENDL-3.3 ZR-92
angular distribution for (n,n*2)
JENDL-3.3 ZR-92
angular distribution for (n,n*3)
JENDL-3.3 ZR-92
angular distribution for (n,n*4)
JENDL-3.3 ZR-92
angular distribution for (n,n*5)
JENDL-3.3 ZR-92
angular distribution for (n,n*6)
JENDL-3.3 ZR-92
angular distribution for (n,n*7)
JENDL-3.3 ZR-92
angular distribution for (n,n*8)
JENDL-3.3 ZR-92
angular distribution for (n,n*9)
JENDL-3.3 ZR-92
angular distribution for (n,n*10)
JENDL-3.3 ZR-92
angular distribution for (n,n*11)
JENDL-3.3 ZR-92
angular distribution for (n,n*12)
JENDL-3.3 ZR-92
angular distribution for (n,n*13)
JENDL-3.3 ZR-92
angular distribution for (n,n*14)
JENDL-3.3 ZR-92
angular distribution for (n,n*15)
JENDL-3.3 ZR-92
angular distribution for (n,n*16)
JENDL-3.3 ZR-92
angular distribution for \((n,n^{*17})\)
JENDL-3.3 ZR-92
Neutron emission for (n,2n)
JENDL-3.3 ZR-92
Neutron emission for $(n,3n)$
JENDL-3.3 ZR-92
Neutron emission for (n,n*)a
JENDL-3.3 ZR-92
Neutron emission for \((n,n^*)p\)
JENDL-3.3 ZR-92
Neutron emission for \((n,n^*)d\)
JENDL-3.3 ZR-92
Neutron emission for \((n,n^*)t\)
JENDL-3.3 ZR-92
Neutron emission for (n, n* c)
JENDL-3.3 ZR-92
Photon emission for (n,2n)
JENDL-3.3 ZR-92
Photon emission for (n,3n)
JENDL-3.3 ZR-92
Photon emission for (n,n*)a
JENDL-3.3 ZR-92
Photon emission for \((n,n^*)p\)
JENDL-3.3 ZR-92
Photon emission for \((n,n^*c)\)
JENDL-3.3 ZR-92
Photon emission for (n,gma)
JENDL-3.3 ZR-92
Photon emission for (n,p)
JENDL-3.3 ZR-92
Photon emission for (n,a)
JENDL-3.3 ZR-92
14 MeV photon spectrum
JENDL-3.3 ZR-92
Particle heating contributions

![Graph showing particle heating contributions as a function of energy. The x-axis represents Energy (MeV), and the y-axis represents MeV/collision. Different particle types are represented by different line styles: protons (black), deuterons (red), tritons (green), and alphas (blue).]
JENDL-3.3 ZR-92
Particle production cross sections

![Graph showing cross sections for different particles vs. energy. The axes are labeled as follows:
- X-axis: Energy (MeV)
- Y-axis: Cross section (barns)

Legend:
- Protons
- Deuterons
- Tritons
- Alphas]
JENDL-3.3 ZR-92
protons from (n,xp)
JENDL-3.3 ZR-92
deuterons from (n,xd)
JENDL-3.3 ZR-92
tritons from (n,xt)
JENDL-3.3 ZR-92
alphas from (n,xa)