JENDL-3.3 CA-40
resonance total cross section

Cross section (barns)

Energy (MeV)
JENDL-3.3 CA-40
resonance total cross section

Cross section (barns)

Energy (MeV)
JENDL-3.3 CA-40
resonance total cross section

![Graph showing resonance total cross section with energy on the x-axis and cross section on the y-axis.](image-url)
JENDL-3.3 CA-40
resonance total cross section

Cross section (barns)

Energy (MeV)
JENDL-3.3 CA-40
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
JENDL-3.3 CA-40
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
JENDL-3.3 CA-40
resonance absorption cross sections

Capture cross section as a function of energy in MeV.
JENDL-3.3 CA-40
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

Capture
JENDL-3.3 CA-40
Principal cross sections

Energy (MeV)
Cross section (barns)
0  5  10  15  20
0  1  2  3  4

total
absorption
elastic
gamma production
JENDL-3.3 CA-40
Heating

Heating (MeV/reaction) vs. Energy (MeV)
JENDL-3.3 CA-40
Threshold reactions

Cross section (barns) vs. Energy (MeV)

*(n,2n)*
JENDL-3.3 CA-40
angular distribution for elastic
JENDL-3.3 CA-40
angular distribution for (n,n*1)
JENDL-3.3 CA-40
angular distribution for (n,n*2)
JENDL-3.3 CA-40
angular distribution for (n,n*3)
JENDL-3.3 CA-40
angular distribution for (n,n*4)
JENDL-3.3 CA-40
angular distribution for (n,n*5)
JENDL-3.3 CA-40
angular distribution for (n,n*6)
JENDL-3.3 CA-40
angular distribution for (n,n*7)
JENDL-3.3 CA-40
angular distribution for (n,n*8)
JENDL-3.3 CA-40
angular distribution for \((n,n^*9)\)
JENDL-3.3 CA-40
angular distribution for (n,n*10)
JENDL-3.3 CA-40
Neutron emission for \((n,n^*)a\)
JENDL-3.3 CA-40
Neutron emission for \((n,n^*)p\)
JENDL-3.3 CA-40
Neutron emission for \((n,n^*c)\)
JENDL-3.3 CA-40
Photon emission for (n,2n)
JENDL-3.3 CA-40
Photon emission for \((n,n^*)a\)
JENDL-3.3 CA-40
Photon emission for \((n,n^*)p\)
JENDL-3.3 CA-40
Photon emission for (n,n*c)
JENDL-3.3 CA-40
Photon emission for \((n,g_{\gamma})\)
JENDL-3.3 CA-40
Photon emission for (n,p)
JENDL-3.3 CA-40
Photon emission for (n,a)
JENDL-3.3 CA-40
Photon emission for (n,2p)
JENDL-3.3 CA-40
14 MeV photon spectrum
JENDL-3.3 CA-40
Particle heating contributions

![Graph showing energy (MeV) vs. MeV/collision for protons and alphas. The graph indicates the energy contributions for proton and alpha particles as a function of energy.](image)
JENDL-3.3 CA-40
Particle production cross sections

Cross section (barns)

Energy (MeV)

[Graph showing particle production cross sections for protons and alphas as functions of energy (MeV).]
JENDL-3.3 CA-40
protons from (n,xp)
JENDL-3.3 CA-40
alphas from (n,xa)