ENDF/B-VI NI-64H
resonance total cross section

Cross section (barns) vs. Energy (MeV)
ENDF/B-VI NI-64H
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VI NI-64H
resonance total cross section

Energy (MeV) vs. Cross section (barns)
ENDF/B-VI NI-64H
resonance absorption cross sections

Capture cross section as a function of energy in MeV.
ENDF/B-VI NI-64H
resonance absorption cross sections

Capture cross section vs. energy (MeV).
ENDF/B-VI NI-64H
Principal cross sections

Energy (MeV)

Cross section (barns)

total
absorption
elastic
gamma production
ENDF/B-VI NI-64H Heating

![Graph showing heating as a function of energy (MeV). The heating increases with energy, suggesting a non-linear relationship.]
ENDF/B-VI NI-64H
Non-threshold reactions

Cross section (barns)

Energy (MeV)
ENDF/B-VI NI-64H
Threshold reactions

Cross section (barns)

Energy (MeV)
ENDF/B-VI NI-64H
Threshold reactions

Cross section (barns) vs. Energy (MeV)

*10^{-3}
ENDF/B-VI NI-64H
angular distribution for elastic
ENDF/B-VI NI-64H
angular distribution for elastic
ENDF/B-VI NI-64H
Neutron emission for (n,x)
ENDF/B-VI NI-64H
Neutron emission for \((n,n^*)a\)
ENDF/B-VI NI-64H
Neutron emission for \((n,n^*)p\)
ENDF/B-VI NI-64H
Neutron emission for (n,n*c)
ENDF/B-VI NI-64H
Photon emission for (n,gma)
ENDF/B-VI NI-64H
Photon emission for (n,x)
ENDF/B-VI NI-64H
Photon emission for (n,2n)
ENDF/B-VI NI-64H
Photon emission for (n,n*)a
ENDF/B-VI NI-64H
Photon emission for (n,n*)p
ENDF/B-VI NI-64H
Photon emission for (n,n*c)
ENDF/B-VI NI-64H
Photon emission for (n,p)
ENDF/B-VI NI-64H
Photon emission for (n,a)
ENDF/B-VI NI-64H
14 MeV photon spectrum
ENDF/B-VI NI-64H
Particle heating contributions

Energy (MeV)

MeV/collision

Energy (MeV)

protons
deuterons
tritons
alphas
ENDF/B-VI NI-64H
Recoil Heating

![Graph showing recoil heating vs energy (MeV) with heating in MeV/reaction on the y-axis and energy in MeV on the x-axis. The graph shows a trend of increasing heating with increasing energy.](image-url)
ENDF/B-VI NI-64H protons from (n,x)
ENDF/B-VI NI-64H
protons from (n,n*)p
ENDF/B-VI NI-64H protons from (n,p)
ENDF/B-VI NI-64H deuterons from \( (n,x) \)
ENDF/B-VI NI-64H
tritons from (n,x)
ENDF/B-VI NI-64H
alphas from (n,x)
ENDF/B-VI NI-64H
alphas from \((n,n^*)a\)
ENDF/B-VI NI-64H
alphas from (n,a)