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

![Graph showing resonance total cross section]

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

Energy (MeV)

Cross section (barns)

10^{-1}
10^{0}
10^{1}
10^{2}
ENDF/B-VI NI-64A
resonance total cross section

Energy (MeV)

Cross section (barns)

10^0

10^1

10^0

10^1

Energy (MeV)
ENDF/B-VI NI-64A
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
ENDF/B-VI NI-64A
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

10^0
10^-1
10^-2
10^-3
10^-4
10^-5

capture
ENDF/B-VI NI-64A
Damage

Energy (MeV) vs. Damage (MeV-barns) graph.
ENDF/B-VI NI-64A
Non-threshold reactions

Energy (MeV)

Cross section (barns)

\((n,\text{gma})\)
ENDF/B-VI NI-64A
Heating

Heating (MeV/reaction) vs. Energy (MeV) graph.
ENDF/B-VI NI-64A
Damage

Energy (MeV)

Damage (MeV-barns)

*10^{-3}

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

![Graph showing cross-section data for different reactions as a function of energy. The graph includes lines for (n,2n), (n,n^*)a, (n,n^*)p, (n,n^*c), and (n,p). Each line represents a different reaction, with the cross-section values in barns plotted against energy in MeV.]
ENDF/B-VI NI-64A
Threshold reactions

Cross section (barns)

Energy (MeV)

- (n,d)
- (n,a)
ENDF/B-VI NI-64A
Threshold reactions

Energy (MeV)

Cross section (barns)

(n,xp)
(n,xd)
(n,xa)
ENDF/B-VI NI-64A
angular distribution for elastic
ENDF/B-VI NI-64A
Neutron emission for (n,n*)a
ENDF/B-VI NI-64A
Neutron emission for \((n,n^*)p\)
ENDF/B-VI NI-64A
Neutron emission for (n,n*c)
ENDF/B-VI NI-64A
Photon emission for (n,gma)
ENDF/B-VI NI-64A
Photon emission for \((n,2n)\)
ENDF/B-VI NI-64A
Photon emission for \((n, n^*)a\)
ENDF/B-VI NI-64A
Photon emission for (n,n*)p
ENDF/B-VI NI-64A
Photon emission for (n,n*c)
ENDF/B-VI NI-64A
Photon emission for (n,p)
ENDF/B-VI NI-64A
Photon emission for (n,a)
ENDF/B-VI NI-64A
thermal capture photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)
ENDF/B-VI NI-64A
14 MeV photon spectrum
ENDF/B-VI NI-64A
Particle heating contributions

Energy (MeV)

*10^{-3}

MeV/collision

protons

alphas
ENDF/B-VI NI-64A
Recoil Heating

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

- Recoil heating curve
ENDF/B-VI NI-64A
protons from (n,n*)p
ENDF/B-VI NI-64A
protons from (n,p)
ENDF/B-VI NI-64A
alphas from (n,n*)a
ENDF/B-VI NI-64A
alphas from (n,a)