ENDF/B-VII.1 NI-60
Principal cross sections

Energy (MeV)

Total absorption elastic gamma production
ENDF/B-VII.1 NI-60
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 NI-60
resonance total cross section
ENDF/B-VII.1 NI-60
resonance total cross section

Energy (MeV)

Cross section (barns)
ENDF/B-VII.1 NI-60
resonance total cross section

Energy (MeV)

Cross section (barns)

total
ENDF/B-VII.1 NI-60 resonance absorption cross sections

Energy (MeV)

Cross section (barns)

Capture
ENDF/B-VII.1 NI-60
resonance absorption cross sections
ENDF/B-VII.1 NI-60
resonance absorption cross sections

![Graph showing resonance absorption cross sections for NI-60, with energy on the x-axis and cross section on the y-axis, both in logarithmic scales. The graph includes a line labeled 'capture' indicating the variation of cross section with energy.]
ENDF/B-VII.1 NI-60
Principal cross sections

Energy (MeV)

Cross section (barns)

Total
Absorption
Elastic
Gamma production

Energy (MeV)
ENDF/B-VII.1 NI-60 Heating

![Graph showing the relationship between energy (MeV) and heating (MeV/reaction).]
ENDF/B-VII.1 NI-60
Non-threshold reactions

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 NI-60
Inelastic levels

Energy (MeV)

Cross section (barns)

\((n,n^{*11})\)
ENDF/B-VII.1 NI-60
Threshold reactions

Cross section (barns) vs. Energy (MeV)

- (n,x)
- (n,2n)
- (n,n*)a
- (n,n*)p
- (n,n*c)
ENDF/B-VII.1 NI-60
angular distribution for elastic
ENDF/B-VII.1 NI-60
angular distribution for elastic
ENDF/B-VII.1 NI-60
angular distribution for (n,n*1)
ENDF/B-VII.1 NI-60
angular distribution for (n,n*2)
ENDF/B-VII.1 NI-60
angular distribution for (n,n*4)
ENDF/B-VII.1 NI-60
angular distribution for (n,n*6)
ENDF/B-VII.1 NI-60
Neutron emission for (n,x)
ENDF/B-VII.1 NI-60
Neutron emission for (n,2n)
ENDF/B-VII.1 NI-60
Neutron emission for \((n,n^*)a\)
ENDF/B-VII.1 NI-60
Neutron emission for (n,n*)p
ENDF/B-VII.1 NI-60
Neutron emission for (n,n*"c)
ENDF/B-VII.1 NI-60
Photon emission for (n,gma)
ENDF/B-VII.1 NI-60
Photon emission for \((n,x)\)
ENDF/B-VII.1 NI-60
Photon emission for (n,2n)
ENDF/B-VII.1 NI-60
Photon emission for (n,n*)p
ENDF/B-VII.1 NI-60
Photon emission for (n,n*c)
ENDF/B-VII.1 NI-60
Photon emission for (n,p)
ENDF/B-VII.1 NI-60
thermal capture photon spectrum
ENDF/B-VII.1 NI-60
14 MeV photon spectrum
ENDF/B-VII.1 NI-60

Particle heating contributions

![Graph showing particle heating contributions.](graph.png)
ENDF/B-VII.1 NI-60 Recoil Heating

- Heating (MeV/reaction) vs. Energy (MeV)
  - Linear scale for Energy from 0 to 160 MeV
  - Linear scale for Heating from 0.0 to 2.5 MeV/reaction

The graph shows the relationship between energy and recoil heating for Ni-60, indicating a significant increase in heating at energies around 100 MeV.
ENDF/B-VII.1 NI-60
Particle production cross sections

Energy (MeV)

Cross section (barns)

protons
deuterons
tritons
alphas
ENDF/B-VII.1 NI-60
protons from (n,x)
ENDF/B-VII.1 NI-60 protons from (n,n*)p
ENDF/B-VII.1 NI-60 protons from (n,p)
ENDF/B-VII.1 NI-60 deuterons from (n,x)
ENDF/B-VII.1 NI-60
tritons from (n,x)
ENDF/B-VII.1 NI-60
alphas from (n,x)
ENDF/B-VII.1 NI-60
alphas from (n,n*)a
ENDF/B-VII.1 NI-60
alphas from (n,a)