N + 24-CR-54 ENDF/B-VI.6 APT LA150 NJOY 99
resonance total cross section

Cross section (barns)

Energy (MeV)
N + 24-CR-54 ENDF/B-VI.6 APT LA150 NJOY 99
resonance total cross section

Cross section (barns)

Energy (MeV)
N + 24-CR-54 ENDF/B-VI.6 APT LA150 NJOY 99
resonance absorption cross sections

![Graph showing resonance absorption cross sections for energy (MeV) against cross section (barns). The graph displays multiple peaks, indicating the energy levels at which absorption cross sections are significant.]
N + 24-CR-54 ENDF/B-VI.6 APT LA150 NJOY 99
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

Capture
N + 24-CR-54 ENDF/B-VI.6 APT LA150 NJOY 99
resonance absorption cross sections

![Graph showing resonance absorption cross sections](image-url)
N + 24-CR-54 ENDF/B-VI.6 APT LA150 NJOY 99
Heating

![Graph showing Heating (MeV/reaction) vs. Energy (MeV)]
Non-threshold reactions

Energy (MeV) vs. Cross section (barns) plot for the reaction (n,gma) of N + 24-CR-54 ENDF/B-VI.6 APT LA150 NJOY 99.
Principal cross sections for N + 24-CR-54 ENDF/B-VI.6 APT LA150 NJOY 99.

- Total cross section
- Absorption cross section
- Elastic cross section
- Gamma production cross section
Threshold reactions

Cross section (barns) vs Energy (MeV)

- (n,x)
- (n,2n)
- (n,n*)
- (n,p)
- (n,a)
Threshold reactions

Cross section (barns) vs. Energy (MeV)

- (n,xp)
- (n,xd)
- (n,xt)
- (n,xa)
N + 24-CR-54 ENDF/B-VI.6 APT LA150 NJQY 99
angular distribution for elastic
N + 24-CR-54 ENDF/B-VI.6 APT LA150 NJOY 99
angular distribution for elastic
N + 24-CR-54 ENDF/B-VI.6 APT LA150 NJOY 99
Neutron emission for (n,x)
N + 24-CR-54 ENDF/B-VI.6 APT LA150 NuQY 99
Neutron emission for (n,2n)
Neutron emission for (n,n*c)
Photon emission for \((n,\gamma\text{ma})\)
Photon emission for (n,x)
Photon emission for (n,2n)
Photon emission for (n,n*c)
Photon emission for (n,p)
Photon emission for (n,a)
N + 24-CR-54 ENDF/B-VI.6 APT LA150 NJOY 99
thermal capture photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)
N + 24-CR-54 ENDF/B-VI.6 APT LA150 NJOY 99
14 MeV photon spectrum
Particle heating contributions

MeV/collision vs. Energy (MeV)

- Protons
- Deuterons
- Tritons
- Alphas
N + 24-CR-54 ENDF/B-VI.6 APT LA150 NJOY 99
protons from (n,x)
N + 24-CR-54 ENDF/B-VI.6 APT LA150 NJOY 99
protons from (n,p)
N + 24-CR-54 ENDF/B-VI.6 APT LA150 NJOY 99
deuterons from (n,x)
N + 24-CR-54 ENDF/B-VI.6 APT LA150 NJOY 99
tritons from (n,x)

![3D plot showing the probability of secondary energy as a function of energy in MeV.]
N + 24-CR-54 ENDF/B-VI.6 APT LA150 NuJOY 99
alphas from (n,x)
N + 24-CR-54 ENDF/B-VI.6 APT LA150 NuQY 99
alphas from (n,a)