N + 24-CR-52 ENDF/B-VI.6 APT LA150 NJOY 99
resonance total cross section

Cross section (barns)

Energy (MeV)
N + 24-CR-52 ENDF/B-VI.6 APT LA150 NJOY 99
resonance total cross section

Cross section (barns)

Energy (MeV)
N + 24-CR-52 ENDF/B-VI.6 APT LA150 NJOY 99
resonance total cross section

Cross section (barns)

Energy (MeV)
N + 24-CR-52 ENDF/B-VI.6 APT LA150 NJOY 99
resonance total cross section

Energy (MeV) vs Cross section (barns)
N + 24-CR-52 ENDF/B-VI.6 APT LA150 NJOY 99
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1}

10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4}

capture
N + 24-CR-52 ENDF/B-VI.6 APT LA150 NJOY 99
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
N + 24-CR-52 ENDF/B-VI.6 APT LA150 NJOY 99
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
N + 24-CR-52 ENDF/B-VI.6 APT LA150 NJOY 99
Principal cross sections

Elastic cross section
Absorption cross section
Gamma production cross section
Total cross section
N + 24-CR-52 ENDF/B-VI.6 APT LA150 NJOY 99 Damage

Damage (MeV-barns) vs. Energy (MeV).

The graph shows the damage in MeV-barns as a function of energy in MeV. The damage reaches a peak around 50 MeV and then decreases as the energy increases further.
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
Threshold reactions

Energy (MeV)

Cross section (barns)

(n,xp)

(n,xd)

(n,xt)

(n,xa)
N + 24-CR-52 ENDF/B-VI.6 APT LA150 NJQY 99
angular distribution for elastic

Prob/Cos

Energy (MeV)

Cosine

Log scale on the y-axis.
N + 24-CR-52 ENDF/B-VI.6 APT LA150 NJOY 99

angular distribution for elastic
angular distribution for (n,n*1)
angular distribution for (n,n*2)
Neutron emission for (n,x)
Neutron emission for (n,2n)
Neutron emission for \((n,n^*)a\)
Neutron emission for (n,n*)p
Neutron emission for \((n,n^*c)\)
Photon emission for (n,gma)
Photon emission for (n,x)
Photon emission for (n,2n)
Photon emission for (n,n*)a
Photon emission for \((n,n^*)p\)
Photon emission for (n,n*c)
Photon emission for (n,p)
Photon emission for (n,a)
N + 24-CR-52 ENDF/B-VI.6 APT LA150 NJOY 99 thermal capture photon spectrum

Gamma Energy (MeV) vs. Gamma Prod (barns/MeV) graph
N + 24-CR-52 ENDF/B-VI.6 APT LA150 NJOY 99
14 MeV photon spectrum
N + 24-CR-52 ENDF/B-VI.6 APT LA150 NJOY 99
Particle heating contributions

MeV/collision vs Energy (MeV)

- Black: protons
- Red: deuterons
- Green: tritons
- Blue: alphas
Particle production cross sections

Energy (MeV) vs. Cross section (barns)

- Protons
- Deuterons
- Tritons
- Alphas
N + 24-CR-52 ENDF/B-VI.6 APT LA150 NJOY 99 protons from (n,x)
N + 24-CR-52 ENDF/B-VI.6 APT LA150 NJOY 99
protons from \((n,n^*)p\)
N + 24-CR-52 ENDF/B-VI.6 APT LA150 NJOY 99
protons from (n,p)
N + 24-CR-52 ENDF/B-VI.6 APT LA150 NJOY 99
deuterons from (n,x)
N + 24-CR-52 ENDF/B-VI.6 APT LA150 NJOY 99 tritons from (n,x)
N + 24-CR-52 ENDF/B-VI.6 APT LA150 NJOY 99
alphas from (n,x)
alphas from \((n,n^*)a\)
N + 24-CR-52 ENDF/B-VI.6 APT LA150 NJOY 99
alphas from (n,a)