Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
- gamma production

N + 26-FE-57 ENDF/B-VI.6 APT LA150 NJOY 99
resonance total cross section
N + 26-FE-57 ENDF/B-VI.6 APT LA150 NJOY 99
resonance total cross section
N + 26-FE-57 ENDF/B-VI.6 APT LA150 NJOY 99
resonance total cross section
N + 26-FE-57 ENDF/B-VI.6 APT LA150 NJOY 99
resonance total cross section

Energy (MeV)

Cross section (barns)
N + 26-FE-57 ENDF/B-VI.6 APT LA150 NJOY 99

resonance absorption cross sections

Cross section (barns)

Energy (MeV)
N + 26-FE-57 ENDF/B-VI.6 APT LA150 NJOY 99
resonance absorption cross sections
resonance absorption cross sections
N + 26-FE-57 ENDF/B-VI.6 APT LA150 NJOY 99
resonance absorption cross sections

![Graph showing resonance absorption cross sections with energy on the x-axis and cross section in barns on the y-axis. The line represents the capture process.]
Damage

Energy (MeV) vs. Damage (MeV-barns)
Non-threshold reactions

Energy (MeV)

Cross section (barns)
Non-threshold reactions

Energy (MeV)

Cross section (barns)

$10^{-3}$
Inelastic levels

Cross section (barns) vs. Energy (MeV)

Legend:
- (n,n*1)
- (n,n*2)
- (n,n*3)
- (n,n*4)
- (n,n*5)
N + 26-FE-57 ENDF/B-VI.6 APT LA150 NJOY 99
Threshold reactions

Energy (MeV)

Cross section (barns)

(n,x)  (n,2n)  (n,n\textsuperscript{a})  (n,n\textsuperscript{p})  (n,n\textsuperscript{c})
angular distribution for elastic
angular distribution for elastic
Neutron emission for (n,x)
Neutron emission for (n,2n)
N + 26-FE-57 ENDF/B-VI.6 APT LA150 NJOY 99
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 \((n,2n)\)
Photon emission for \((n,n^*)a\)
N + 26-FE-57 ENDF/B-VI.6 APT LA150 NJOY 99
Photon emission for (n,n*)p
Photon emission for $(n,n^*c)$
Photon emission for (n,p)
Photon emission for (n,a)
N + 26-FE-57 ENDF/B-VI.6 APT LA150 NJOY 99
thermal capture photon spectrum
N + 26-FE-57 ENDF/B-VI.6 APT LA150 NJOY 99
14 MeV photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)
Particle heating contributions

- Protons
- Deuterons
- Tritons
- Alphas

N + 26-FE-57 ENDF/B-VI.6 APT LA150 NJOY 99

Energy (MeV) vs. MeV/collision
N + 26-FE-57 ENDF/B-VI.6 APT LA150 NJOY 99
Particle production cross sections

Energy (MeV)

Cross section (barns)

protons
deuterons
tritons
alphas
protons from (n,x)
N + 26-FE-57 ENDF/B-VI.6 APT LA150 NJOY 99
protons from (n,n*)p
N + 26-FE-57 ENDF/B-VI.6 APT LA150 NJOY 99
protons from (n,p)
N + 26-FE-57 ENDF/B-VI.6 APT LA150 NJOY 99
deuterons from (n,x)
N + 26-FE-57 ENDF/B-VI.6 APT LA150 NJOY 99
tritons from (n,x)
alphas from (n,x)
N + 26-FE-57 ENDF/B-VI.6 APT LA150 NJOY 99
alphas from (n,a)