ENDF/B-VI FE-54H
Principal cross sections

Cross section (barns)

Energy (MeV)

- total
- absorption
- elastic
- gamma production
ENDF/B-VI FE-54H
resonance total cross section

Energy (MeV)

Cross section (barns)
ENDF/B-VI FE-54H
resonance total cross section

Energy (MeV)

Cross section (barns)
ENDF/B-VI FE-54H
resonance total cross section
ENDF/B-VI FE-54H
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
ENDF/B-VI FE-54H resonance absorption cross sections

![Graph showing ENDF/B-VI FE-54H resonance absorption cross sections. The graph plots energy (MeV) on the x-axis and cross section (barns) on the y-axis. There are multiple peaks indicating resonances, with a label marked as 'capture'.]
ENDF/B-VI FE-54H
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VI FE-54H
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VI FE-54H
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
- gamma production

Energy (MeV)
ENDF/B-VI FE-54H
Heating

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

- Heating line

ENDF/B-VI FE-54H
Damage

![Graph showing the relationship between energy (MeV) and damage (MeV-barns).](image_url)
ENDF/B-VI FE-54H
Non-threshold reactions

Energy (MeV) vs. Cross section (barns) for the reaction (n,gma)
ENDF/B-VI FE-54H
Inelastic levels

Energy (MeV)

Cross section (barns)

(n,n*6)

(n,n*7)

Energy (MeV)
ENDF/B-VI FE-54H
Threshold reactions

Cross section (barns)

Energy (MeV)
ENDF/B-VI FE-54H
angular distribution for elastic
ENDF/B-VI FE-54H
angular distribution for (n,n*1)
ENDF/B-VI FE-54H
angular distribution for (n,n*2)
ENDF/B-VI FE-54H
angular distribution for (n,n*4)
ENDF/B-VI FE-54H
angular distribution for (n,n*5)
ENDF/B-VI FE-54H
angular distribution for (n,n*6)
ENDF/B-VI FE-54H
angular distribution for \((n, n^*7)\)
ENDF/B-VI FE-54H
Neutron emission for (n,x)
ENDF/B-VI FE-54H
Neutron emission for \((n,n^*)a\)
ENDF/B-VI FE-54H
Neutron emission for (n,n*)p
ENDF/B-VI FE-54H
Neutron emission for (n,n^c)
ENDF/B-VI FE-54H
Photon emission for (n,gma)
ENDF/B-VI FE-54H
Photon emission for (n,x)
ENDF/B-VI FE-54H
Photon emission for (n,2n)
ENDF/B-VI FE-54H
Photon emission for \((n,n^*)a\)
ENDF/B-VI FE-54H
Photon emission for \((n,n^*)p\)
ENDF/B-VI FE-54H
Photon emission for \((n,n^*c)\)
ENDF/B-VI FE-54H
Photon emission for (n,p)
ENDF/B-VI FE-54H
Photon emission for \((n,a)\)
ENDF/B-VI FE-54H
thermal capture photon spectrum
ENDF/B-VI FE-54H
14 MeV photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)
ENDF/B-VI FE-54H
Recoil Heating

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

- Recoil heating curve

Note: The graph shows the heating in MeV per reaction as a function of energy in MeV.
ENDF/B-VI FE-54H
Particle production cross sections

Energy (MeV) vs. Cross section (barns)

- Protons
- Deuterons
- Tritons
- Alphas
ENDF/B-VI FE-54H
protons from (n,x)
ENDF/B-VI FE-54H
protons from \((n,n^*)p\)
ENDF/B-VI FE-54H
protons from (n,p)
ENDF/B-VI FE-54H
deuterons from (n,x)
ENDF/B-VI FE-54H
tritons from (n,x)
ENDF/B-VI FE-54H
alphas from (n,x)
ENDF/B-VI FE-54H
alphas from \((n,n^*)a\)
ENDF/B-VI FE-54H
alphas from (n,a)