ENDF/B-VII TI-50
resonance total cross section

Energy (MeV)

Cross section (barns)
ENDF/B-VII TI-50
resonance total cross section

![Graph showing the cross section (in barns) as a function of energy (in MeV). The y-axis represents the cross section on a logarithmic scale from $10^{-1}$ to $10^{1}$, and the x-axis represents energy from $10^{-1}$ to $10^{0}$ MeV.]
E\(^{\text{\textregistered}}\)NDF/B-VII TI-50
resonance total cross section

\(\text{Cross section (barns)}\)

\(\text{Energy (MeV)}\)

\(10^0\) \(10^1\)
ENDF/B-VII TI-50
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
ENDF/B-VII TI-50
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VII TI-50
resonance absorption cross sections

Energy (MeV)

Cross section (barns)
ENDF/B-VII TI-50
Heating

Heating (MeV/reaction) vs. Energy (MeV)
ENDF/B-VII TI-50
Non-threshold reactions

Cross section (barns) vs. Energy (MeV)

(n,gma)
ENDF/B-VII TI-50
Principal cross sections

Energy (MeV)

Cross section (barns)

total
absorption
elastic
gamma production
ENDF/B-VII TI-50
Heating

Heating (MeV/reaction) vs. Energy (MeV)
ENDF/B-VII TI-50
Damage

Damage (MeV-barns)

Energy (MeV)
ENDF/B-VII TI-50
Non-threshold reactions

Cross section (barns)

Energy (MeV)
ENDF/B-VII TI-50
Inelastic levels

Cross section (barns)

Energy (MeV)

(n,n*11)
ENDF/B-VII TI-50 Threshold reactions

Energy (MeV)

Cross section (barns)

- (n,2n)
- (n,3n)
- (n,n*)a
- (n,n*)p
- (n,n*c)
ENEF/B-VII TI-50
Threshold reactions

Energy (MeV)

Cross section (barns)

- (n,p)
- (n,d)
- (n,t)
- (n,he3)
- (n,a)
ENDF/B-VII TI-50
Threshold reactions

Cross section (barns) vs. Energy (MeV)

- (n,xp)
- (n,xd)
- (n,xt)
- (n,xhe3)
- (n,xa)
ENDF/B-VII TI-50
angular distribution for elastic
ENDF/B-VII TI-50
angular distribution for \((n,n^*1)\)
ENDF/B-VII TI-50
angular distribution for \((n,n^*2)\)
ENDF/B-VII TI-50
angular distribution for (n,n*3)
ENDF/B-VII TI-50
angular distribution for \((n,n^*4)\)
ENDF/B-VII Ti-50
angular distribution for (n,n*5)
ENDF/B-VII TI-50
angular distribution for \((n,n^*6)\)
ENDF/B-VII T1-50

Angular distribution for (n,n*7)

Energy (MeV) vs. Pro/Co5

Cosine
ENDF/B-VII TI-50
angular distribution for (n,n*)
ENDF/B-VII TI-50 angular distribution for (n,n*10)
ENDF/B-VII TI-50
angular distribution for \((n,n^{*11})\)
ENDF/B-VII TI-50
Neutron emission for (n,2n)
ENDF/B-VII TI-50
Neutron emission for (n,3n)
ENDF/B-VII TI-50
Neutron emission for \((n,n^*)a\)
ENDF/B-VII TI-50
Neutron emission for \((n,n^*)p\)
ENDF/B-VII TI-50

Neutron emission for (n,n*c)
ENDF/B-VII TI-50
Photon emission for (n,2n)
ENDF/B-VII TI-50
Photon emission for \((n,n^*)a\)
ENDF/B-VII TI-50
Photon emission for (n,n*)p
ENDF/B-VII TI-50
Photon emission for (n,n\*c)
ENDF/B-VII TI-50
Photon emission for (n,γma)
ENDF/B-VII TI-50
Photon emission for (n,d)
ENDF/B-VII Tl-50
Photon emission for (n,a)
$E_n (\text{MeV})$
$E_\gamma (\text{MeV})$
Probability
$10^{-1}$
$10^{-3}$
$10^0$
ENDF/B-VII TI-50
thermal capture photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)
ENDF/B-VII TI-50
14 MeV photon spectrum
ENDF/B-VII TI-50
Particle heating contributions

Energy (MeV)

MeV/collision

-10^{-3}

*10^{-3}

Energy (MeV)

0 4 6 8 10 12 14 16 18 20

-10^{-3}

protons

alphas
ENDF/B-VII TI-50
Particle production cross sections

Cross section (barns)

Energy (MeV)

*10^-3

protons
alphas