ENDF/B-VII TI-49
Principal cross sections

Cross section (barns)

Energy (MeV)

- total
- absorption
- elastic
- gamma production
ENDF/B-VII TI-49
resonance total cross section
ENDF/B-VII TI-49
resonance total cross section

Energy (MeV)

Cross section (barns)

10^{-2}  10^{-1}  10^{0}  10^{1}  10^{2}
ENDF/B-VII TI-49

resonance total cross section

Cross section (barns)

Energy (MeV)
E\~ND\text{\small F/B-VII TI-49}

resonance total cross section

\begin{align*}
\text{Cross section (barns)} \\
\text{Energy (MeV)} \quad \text{total}
\end{align*}
ENDF/B-VII TI-49
resonance absorption cross sections

Energy (MeV)

Cross section (barns)
ENDF/B-VII TI-49
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VII Ti-49
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
ENDF/B-VII TI-49
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
- gamma production
ENDF/B-VII TI-49
Damage

Energy (MeV)

Damage (MeV-barns)

*10^{-3}

0

2

4

6

8

10

12

14

16

18

20

0

2

4

6

8

10

12

14

16

18

20

Damage (MeV-barns)

Energy (MeV)
ENDF/B-VII TI-49
Non-threshold reactions

Cross section (barns)

Energy (MeV)

10^{-3}

(n,gma)
ENDF/B-VII TI-49
Threshold reactions

Cross section (barns)

Energy (MeV)
ENDF/B-VII TI-49
Threshold reactions

- (n,d)
- (n,t)
- (n,he3)
- (n,a)
- (n,2p)

Cross section (barns)

Energy (MeV)
ENDF/B-VII TI-49
Threshold reactions

Cross section (barns) vs. Energy (MeV)

- (n,xp)
- (n,xd)
- (n,xt)
- (n,xhe3)
- (n,xa)
ENFD/B-VII TI-49
angular distribution for elastic
ENDF/B-VII TI-49
angular distribution for (n,n*1)
ENDF/B-VII TI-49

angular distribution for (n,n*2)
ENDF/B-VII Tl-49
angular distribution for (n,n*3)
ENFD/B-VII TI-49 angular distribution for (n,n'4)
ENDF/B-VII TI-49
angular distribution for (n,n*5)
ENDF/B-VII TI-49
angular distribution for (n,n*6)
ENDF/B-VII TI-49
angular distribution for \((n,n^\ast7)\)
ENDF/B-VII TI-49
angle distribution for (n,n*8)
ENDF/B-VII TI-49
angular distribution for (n,n*9)
ENDF/B-VII TI-49
angular distribution for (n,n*10)
ENDF/B-VII TI-49

angular distribution for (n,n*11)
ENDF/B-VII TI-49
angular distribution for (n,n*12)
ENDF/B-VII TI-49
angular distribution for (n,n*13)
ENDF/B-VII TI-49
angular distribution for (n,n*14)
ENDF/B-VII Tl-49
angular distribution for (n,n*15)
ENDF/B-VII TI-49
Neutron emission for (n,2n)
ENDF/B-VII TI-49
Neutron emission for \((n,n^*)a\)
ENDF/B-VII TI-49
Neutron emission for \((n,n^*)p\)
ENDF/B-VII TI-49
Neutron emission for \((n,n^c)\)
ENDF/B-VII TI-49
Photon emission for (n,n*)a
ENDF/B-VII TI-49
Photon emission for (n,n*)p
ENDF/B-VII TI-49
Photon emission for \((n,n^*c)\)
ENDF/B-VII TI-49
Photon emission for (n,gma)
ENDF/B-VII TI-49
Photon emission for (n,p)
Photon emission for (n,d)
ENDF/B-VII TI-49
Photon emission for (n,a)
ENDF/B-VII TI-49
thermal capture photon spectrum
ENDF/B-VII TI-49
14 MeV photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)
ENDF/B-VII TI-49
Particle heating contributions

Energy (MeV) vs. MeV/collision for protons and alphas.
ENDF/B-VII TI-49
Particle production cross sections

Cross section (barns)

Energy (MeV)

protons
alphas
ENDF/B-VII TI-49
protons from (n,xp)
ENDF/B-VII TI-49
alphas from (n,xa)