ENDF/B-VII.1 TI-47 resonance total cross section

Energy (MeV) vs. Cross section (barns)
ENDF/B-VII.1 TI-47
resonance total cross section

Energy (MeV)

Cross section (barns)

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

10^{-2}  10^{-1}  10^{0}  10^{1}  10^{2}
ENDF/B-VII.1 TI-47 resonance total cross section

![Graph showing the resonance total cross section for TI-47 with energy on the x-axis and cross section (barns) on the y-axis. The graph shows a peak in the cross section at around 10^0.5 MeV.]
ENDF/B-VII.1 TI-47 resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 TI-47 resonance absorption cross sections

Energy (MeV)

Cross section (barns)
capture
ENDF/B-VII.1 TI-47
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
ENDF/B-VII.1 TI-47
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
ENDF/B-VII.1 TI-47
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
- gamma production
ENDF/B-VII.1 TI-47
Non-threshold reactions

Cross section (barns) vs. Energy (MeV)

(n,gma)
ENDF/B-VII.1 TI-47
Inelastic levels

Energy (MeV) vs. Cross section (barns)

- (n,n*11)
- (n,n*12)
- (n,n*13)
- (n,n*14)
- (n,n*15)
ENDF/B-VII.1 TI-47
Inelastic levels

Cross section (barns) vs. Energy (MeV) diagram for the (n,n*16) reaction.
ENDF/B-VII.1 TI-47
Threshold reactions

- $(n,\text{xp})$
- $(n,\text{xd})$
- $(n,\text{xt})$
- $(n,\text{xhe3})$
- $(n,\text{xa})$
ENDF/B-VII.1 TI-47
angular distribution for elastic
ENDF/B-VII.1 TI-47
angular distribution for (n,n*1)
ENDF/B-VII.1 TI-47
angular distribution for (n,n*2)
ENDF/B-VII.1 TI-47
angular distribution for (n,n*3)
ENDF/B-VII.1 TI-47
angular distribution for (n,n*4)
ENDF/B-VII.1 TI-47
angular distribution for (n,n*5)
ENDF/B-VII.1 TI-47
angular distribution for (n,n*6)
ENDF/B-VII.1 TI-47
angular distribution for (n,n*7)
ENDF/B-VII.1 TI-47
angular distribution for (n,n*8)
ENDF/B-VII.1 TI-47
angular distribution for (n,n*9)
ENDF/B-VII.1 TI-47
angular distribution for (n,n*10)
ENDF/B-VII.1 TI-47
angular distribution for (n,n*11)
ENDF/B-VII.1 TI-47
angular distribution for (n,n*12)
ENDF/B-VII.1 TI-47
angular distribution for (n,n\*13)
ENDF/B-VII.1 TI-47
angular distribution for (n,n*14)
ENDF/B-VII.1 TI-47
angular distribution for (n,n*16)
ENDF/B-VII.1 TI-47
Neutron emission for (n,2n)
ENDF/B-VII.1 TI-47
Neutron emission for \((n,n^*)p\)
ENDF/B-VII.1 TI-47
Neutron emission for \( (n,n^c) \)
ENDF/B-VII.1 TI-47
Photon emission for (n,2n)
ENDF/B-VII.1 TI-47
Photon emission for (n,n*)a
ENDF/B-VII.1 TI-47
Photon emission for (n,n*)p
ENDF/B-VII.1 TI-47
Photon emission for (n,n*c)
ENDF/B-VII.1 TI-47
Photon emission for (n,gma)
ENDF/B-VII.1 TI-47
thermal capture photon spectrum
ENDF/B-VII.1 TI-47
14 MeV photon spectrum
ENDF/B-VII.1 TI-47
Particle heating contributions

Energy (MeV)

MeV/collision

Energy (MeV)
ENDF/B-VII.1 TI-47 Recoil Heating

![Graph showing the relationship between Heating (MeV/reaction) and Energy (MeV).](image)

- The x-axis represents the Energy in MeV, ranging from 0 to 20.
- The y-axis represents the Heating in MeV/reaction, ranging from 0 to 1.8.
- The graph shows a curve that increases with energy, reaching a peak around 15 MeV and then decreasing.

recoil heating
ENDF/B-VII.1 TI-47
Particle production cross sections

Cross section (barns) vs. Energy (MeV)

- Protons
- Alphas

Cross section ranges from 0 to 250 barns and energy ranges from 8 to 20 MeV.
ENDF/B-VII.1 TI-47 protons from (n,n*)p
ENDF/B-VII.1 TI-47
alphas from (n,n*)a