ENDF/B-V SI-NATB
Principal cross sections

- Total
- Absorption
- Elastic
- Gamma production

Energy (MeV) vs Cross section (barns)
E\textsuperscript{\textregistered}NDF/B-V SI-NATB
resonance total cross section

- Energy (MeV)
- Cross section (barns)

![Graph showing the resonance total cross section with a peak at a certain energy.]
ENDF/B-V SI-NATB
resonance total cross section

Energy (MeV)

Cross section (barns)

10^{-1}

10^{0}

10^{1}

10^{-2}

10^{-1}

10^{-0}

10^{1}

total
ENDF/B-V SI-NATB
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-V SI-NATB
resonance total cross section

Energy (MeV)

Cross section (barns)

Total
ENDF/B-V SI-NATB
resonance absorption cross sections

capture
ENDF/B-V SI-NATB
resonance absorption cross sections

![Graph of ENDF/B-V SI-NATB resonance absorption cross sections. The graph shows the cross section (in barns) on a logarithmic scale as a function of energy (in MeV). The cross section values are labeled as 'capture'.]
ENDF/B-V SI-NATB
resonance absorption cross sections

![Graph showing resonance absorption cross sections](image)
ENDF/B-V SI-NATB
Non-threshold reactions

Energy (MeV)

Cross section (barns)

\((n,g\alpha)\)
ENDF/B-V SI-NATB
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
- gamma production

Energy (MeV)
ENDF/B-V SI-NATB
Non-threshold reactions

Cross section (barns)

Energy (MeV)
ENDF/B-V SI-NATB
Inelastic levels

Energy (MeV) vs. Cross section (barns) for different inelastic levels:
- (n,n*6)
- (n,n*7)
- (n,n*8)
- (n,n*9)
- (n,n*10)
ENDF/B-V SI-NATB
Inelastic levels

Energy (MeV)

Cross section (barns)

- (n,n*11)
- (n,n*12)
- (n,n*13)
- (n,n*14)
- (n,n*15)

*10^-3
ENDF/B-V SI-NATB
Threshold reactions

Energy (MeV)

Cross section (barns)

(n,d)
(n,a)
ENDF/B-V SI-NATB
Threshold reactions

Energy (MeV)

Cross section (barns)

- (n,xp)
- (n,xd)
- (n,xa)
- (n,p^0)
- (n,p^1)
ENDF/B-V SI-NATB Threshold reactions

![Graph showing cross section versus energy for various reactions](image-url)
ENDF/B-V SI-NATB
Threshold reactions

- (n,p*12)
- (n,p*13)
- (n,p*14)
- (n,p*c)
- (n,p*c)x

Cross section (barns)

Energy (MeV)
ENDF/B-V SI-NATB
angular distribution for (n,n*1)
ENDF/B-V SI-NATB
angular distribution for (n,n*2)
ENDF/B-V SI-NATB
angular distribution for (n,n*3)
ENDF/B-V SI-NATB
angular distribution for (n,n*4)
ENDF/B-V SI-NATB
angular distribution for \((n,n^*5)\)
ENDF/B-V SI-NATB
angular distribution for (n,n*6)
ENDF/B-V SI-NATB
angular distribution for (n,n*7)
ENDF/B-V SI-NATB
angular distribution for (n,n*8)
ENDF/B-V SI-NATB
angular distribution for (n,n*9)
ENDF/B-V SI-NATB
angular distribution for (n,n*10)
ENDF/B-V SI-NATB
angular distribution for (n,n*11)
ENDF/B-V SI-NATB
angular distribution for (n,n*12)
ENDF/B-V SI-NATB
angular distribution for (n,n*13)
ENDF/B-V SI-NATB
angular distribution for (n,n*14)
ENDF/B-V SI-NATB
angular distribution for (n,n*15)
ENDF/B-V SI-NATB
angular distribution for (n,n*16)
ENDF/B-V SI-NATB
angular distribution for (n,n*17)
ENDF/B-V SI-NATB
angular distribution for (n,n*18)
ENDF/B-V SI-NATB
angular distribution for \((n,n^*19)\)
ENDF/B-V SI-NATB
angular distribution for (n,n*20)
ENDF/B-V SI-NATB
angular distribution for (n,n*21)
ENDF/B-V SI-NATB
angular distribution for (n,n*22)
ENDF/B-V SI-NATB
Neutron emission for \((n,n^*)a\)
ENDF/B-V SI-NATB
Neutron emission for (n,n*)p
ENDF/B-V SI-NATB
Neutron emission for (n,n*c)
ENDF/B-V SI-NATB
Photon emission for inelastic
ENDF/B-V SI-NATB
Photon emission for \((n,n^*)a\)
ENDF/B-V SI-NATB
Photon emission for \((n, n^*)p\)
ENDF/B-V SI-NATB
Photon emission for (n,p)
ENDF/B-V SI-NATB
thermal capture photon spectrum
ENDF/B-V SI-NATB
14 MeV photon spectrum
ENDF/B-V SI-NATB
Particle heating contributions

Energy (MeV)

MeV/collision

- tritons
- he-3
ENDF/B-V SI-NATB
Recoil Heating

Heating (MeV/reaction)

Energy (MeV)
ENDF/B-V SI-NATB
Particle production cross sections

Cross section (barns) vs. Energy (MeV)

- Black line: tritons
- Red line: he-3

Energy range: 2 to 20 MeV
Cross section range: 0 to 0.5 barns
ENDF/B-V SI-NATB
angular distribution for (n,p*1) triton
ENDF/B-V SI-NATB
angular distribution for (n,p*2) triton
ENDF/B-V SI-NATB
angular distribution for (n,p*3) triton
ENDF/B-V SI-NATB
angular distribution for (n,p*4) triton
ENDF/B-V SI-NATB
angular distribution for \((n,p^*5)\) triton
ENDF/B-V SI-NATB
angular distribution for (n,p*6) triton
ENDF/B-V SI-NATB
angular distribution for (n,p*7) triton
ENDF/B-V SI-NATB
angular distribution for (n,p*) triton
ENDF/B-V SI-NATB
angular distribution for (n,p^9) triton
ENDF/B-V SI-NATB
angular distribution for (n, p*10) triton
ENDF/B-V SI-NATB
angular distribution for (n,p*11) triton
ENDF/B-V SI-NATB
angular distribution for \((n,p^*12)\) triton
ENDF/B-V SI-NATB
angular distribution for (n,p*13) triton
ENDF/B-V SI-NATB
angular distribution for (n,p*14) triton
ENDF/B-V SI-NATB
angular distribution for \((n,p^*c)\) triton
ENDF/B-V SI-NATB
angular distribution for (n,p*c)x triton
ENDF/B-V SI-NATB
angular distribution for (n,a^*0) 3he
ENDF/B-V SI-NATB
angular distribution for (n,a*1) 3he
ENDF/B-V SI-NATB
angular distribution for (n,a*2) 3he
ENDF/B-V SI-NATB
angular distribution for \((n,a^*3)\) 3he
ENDF/B-V SI-NATB
angular distribution for (n,a*4) 3he
ENDF/B-V SI-NATB
angular distribution for (n,a*5) 3he
ENDF/B-V SI-NATB angular distribution for (n,a*6) 3he
ENDF/B-V SI-NATB
angular distribution for (n,a*7) 3he
ENDF/B-V SI-NATB
angular distribution for (n,a*8) 3he
ENDF/B-V SI-NATB
angular distribution for (n,a*9) 3he
ENDF/B-V SI-NATB
angular distribution for (n,a*10) 3he
ENDF/B-V SI-NATB
angular distribution for (n,a*11) 3he
ENDF/B-V SI-NATB
angular distribution for \((n,a^*c)\) 3he