ENDF/B-V NI-NATA
Principal cross sections

Cross section (barns)

Energy (MeV)

- total
- absorption
- elastic
- gamma production
ENDF/B-V NI-NATA
resonance total cross section

Cross section (barns)

Energy (MeV)

10^{-3} 10^{-2}

10^1 10^2
ENDF/B-V NI-NATA resonance total cross section
ENDF/B-V NI-NATA
resonance total cross section

Energy (MeV)

Cross section (barns)

10^0 10^1 10^2 10^3 10^4 10^5 10^6

10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6}

total
ENDF/B-V NI-NATA resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-V NI-NATA
resonance absorption cross sections
ENDF/B-V NI-NATA
Heating

**Energy (MeV)**  
**Heating (MeV/reaction)**  

- Energy axis: $10^{-11}$ to $10^{1}$  
- Heating axis: $10^{-5}$ to $10^{0}$  

The graph shows the heating as a function of energy, with a logarithmic scale on both axes.
ENDF/B-V NI-NATA
Non-threshold reactions

Cross section (barns)

Energy (MeV)
ENDF/B-V NI-NATA
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
- gamma production

Energy (MeV)
ENDF/B-V NI-NATA Damage

Damage (MeV-barns) vs. Energy (MeV)

The graph shows the relationship between damage (in MeV-barns) and energy (in MeV). The damage increases linearly with energy, indicating a direct proportionality between the two variables.
ENDF/B-V NI-NATA
Inelastic levels

Cross section (barns)

Energy (MeV)

- (n,n*21)
- (n,n*22)
- (n,n*23)
- (n,n*24)
- (n,n*25)
ENDF/B-V NI-NATA
Inelastic levels

Energy (MeV) vs. Cross section (barns)

- The graph shows the inelastic levels of the ENDF/B-V NI-NATA.
- The horizontal axis represents energy in MeV, ranging from 2 to 20.
- The vertical axis represents the cross section in barns, ranging from 0 to 100.*10^-3.
- The peak of the curve is around 4 MeV, indicating a high cross section at this energy.
- The cross section decreases significantly as the energy increases, approaching zero at higher energies.

(n,n*26)
ENDF/B-V NI-NATA
Threshold reactions

Energy (MeV)

Cross section (barns)

- (n,2n)
- (n,n*)a
- (n,n*)p
- (n,n*c)
- (n,d)
ENDF/B-V NI-NATA
Threshold reactions

Energy (MeV)

Cross section (barns)

(n,a)

(n,2p)
ENDF/B-V NI-NATA
Threshold reactions

Cross section (barns) vs. Energy (MeV)

- (n,xd)
- (n,xa)
ENDF/B-V NI-NATA
angular distribution for elastic
ENDF/B-V NI-NATA angular distribution for (n,2n)
ENDF/B-V NI-NATA
angular distribution for \((n,n^*)a\)
ENDF/B-V NI-NATA
angular distribution for (n,n*)p
ENDF/B-V NI-NATA
angular distribution for (n,n*1)
ENDF/B-V NI-NATA
angular distribution for \((n,n^*2)\)
ENDF/B-V NI-NATA
angular distribution for (n,n*3)
ENDF/B-V NI-NATA
angular distribution for (n,n*4)
ENDF/B-V NI-NATA
angular distribution for (n,n*5)
ENDF/B-V NI-NATA
angular distribution for \((n,n^*6)\)
ENDF/B-V NI-NATA
angular distribution for (n,n*7)
ENDF/B-V NI-NATA
angular distribution for (n,n*8)
ENDF/B-V NI-NATA
angular distribution for (n,n*9)
ENDF/B-V NI-NATA
angular distribution for (n,n*10)
ENDF/B-V NI-NATA
angular distribution for (n,n*11)
ENDF/B-V NI-NATA
angular distribution for \((n,n^*12)\)
ENDF/B-V NI-NATA
angular distribution for (n,n*13)
ENDF/B-V NI-NATA
angular distribution for (n,n*14)
ENDF/B-V NI-NATA
angular distribution for (n,n*15)
ENDF/B-V NI-NATA
angular distribution for \( (n,n^*16) \)
ENDF/B-V NI-NATA
angular distribution for (n,n*17)
ENDF/B-V NI-NATA
angular distribution for (n,n^*18)
ENDF/B-V NI-NATA
angular distribution for (n,n*19)
ENDF/B-V NI-NATA
angular distribution for (n,n*20)
ENDF/B-V NI-NATA
angular distribution for (n,n*21)
ENDF/B-V NI-NATA
angular distribution for (n,n*22)
ENDF/B-V NI-NATA
angular distribution for (n,n*23)
ENDF/B-V NI-NATA
angular distribution for (n,n*24)
ENDF/B-V NI-NATA
angular distribution for (n,n*25)
ENDF/B-V NI-NATA
angular distribution for (n,n*26)
ENDF/B-V NI-NATA
angular distribution for (n,n*c)
ENDF/B-V NI-NATA
Neutron emission for (n,n^c)
ENDF/B-V NI-NATA
Photon emission for (n,gma)
ENDF/B-V NI-NATA
Photon emission for nonelastic
ENDF/B-V NI-NATA
thermal capture photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)
ENDF/B-V NI-NATA
14 MeV photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)