ENDF/B-VII NA-23
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII NA-23
resonance total cross section

Energy (MeV)

Cross section (barns)

- total
ENDF/B-VII NA-23
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII NA-23
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII NA-23
resonance absorption cross sections

![Graph showing the resonance absorption cross sections.](image)
ENDF/B-VII NA-23
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VII NA-23
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VII NA-23
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

Capture
ENDF/B-VII NA-23
Damage

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

The graph shows the relationship between energy (in MeV) and damage (in MeV-barns) for ENDF/B-VII NA-23. The damage is represented as a function of energy, with a notable peak in the energy range of $10^{-4}$ to $10^{-3}$ MeV. The data is plotted on a log-log scale, indicating a power-law relationship in certain regions.
ENDF/B-VII NA-23
Non-threshold reactions

Cross section (barns) vs. Energy (MeV) graph.
ENDF/B-VII NA-23
Principal cross sections

Cross section (barns)

Energy (MeV)

- total
- absorption
- elastic
- gamma production
ENDF/B-VII NA-23
Non-threshold reactions

Cross section (barns)

Energy (MeV)

$10^{-4}$

$(n,\text{gma})$
ENDF/B-VII NA-23
Inelastic levels

Cross section (barns)

Energy (MeV)
ENDF/B-VII NA-23
Threshold reactions

Energy (MeV)

Cross section (barns)

- (n,2n)
- (n,n^c)
- (n,p)
- (n,a)
ENDF/B-VII NA-23
Threshold reactions

Cross section (barns)

Energy (MeV)

*10^{-3}
ENDF/B-VII NA-23
angular distribution for elastic

Energy (MeV)

Cosine

Prob/Cos
ENDF/B-VII NA-23
Photon emission for nonelastic

Prob/MeV

$E_{\gamma}$ (MeV)

$E_n$ (MeV)

0  5  10  15  20

0  0.1  1  10  100
The diagram shows the thermal capture photon spectrum for ENDF/B-VII NA-23. The y-axis represents the Gamma Prod (barns/MeV) on a logarithmic scale ranging from $10^{-1}$ to $10^2$. The x-axis represents the Gamma Energy (MeV) ranging from 0 to 8. The spectrum exhibits a complex distribution with peaks across various energy levels.
ENDF/B-VII NA-23
14 MeV photon spectrum