ENDF/B-V SR-87
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
ENDF/B-V SR-87
resonance total cross section

Cross section (barns) vs. Energy (MeV)
ENDF/B-V SR-87
resonance total cross section
ENDF/B-V SR-87
resonance total cross section

Cross section (barns)
Energy (MeV)
ENDF/B-V SR-87
resonance total cross section

Energy (MeV)

Cross section (barns)
ENDF/B-V SR-87
resonance absorption cross sections

![Graph showing resonance absorption cross sections. The x-axis represents energy in MeV, ranging from $10^{-6}$ to $10^{-5}$, and the y-axis represents cross section in barns, ranging from $10^0$ to $10^3$. The graph features a peak at a specific energy, indicating a resonance absorption event.]

- **Energy (MeV)**: $10^{-6}$ to $10^{-5}$
- **Cross section (barns)**: $10^0$ to $10^3$
ENDF/B-V SR-87
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-V SR-87
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-V SR-87
Damage

![Graph showing damage (MeV-barns) vs. energy (MeV). The graph has a logarithmic scale on both axes. Peaks and dips are visible at various energy levels.]
ENDF/B-V SR-87
Non-threshold reactions

$\text{(n,gma)}$

Cross section (barns)

Energy (MeV)
ENDF/B-V SR-87
Principal cross sections

Energy (MeV)

Cross section (barns)

Energy (MeV)
ENEF/B-V SR-87
Heating

Heating (MeV/reaction) vs. Energy (MeV)

- Heating
ENDF/B-V SR-87 Damage

The graph shows the damage (MeV-barns) as a function of energy (MeV). The damage increases with energy, indicating a non-linear relationship.

- Y-axis: Damage (MeV-barns)
- X-axis: Energy (MeV)
ENDF/B-V SR-87
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
ENDF/B-V SR-87
Threshold reactions

Energy (MeV)

Cross section (barns)

(n,n*c)