ENDF/B-VI SM-147
Principal cross sections

![Graph showing principal cross sections with energy on the x-axis and cross section on the y-axis. The graph includes lines for total, absorption, and elastic cross sections.](image-url)
ENDF/B-VI SM-147
resonance total cross section

![Graph showing resonance total cross section with energy (MeV) on the x-axis and cross section (barns) on the y-axis. The graph displays multiple peaks at various energies, indicating resonance features.]
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resonance total cross section

Cross section (barns)

Energy (MeV)
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resonance absorption cross sections

Cross section (barns) vs. Energy (MeV)
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resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
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resonance absorption cross sections
ENDF/B-VI SM-147
Damage

Energy (MeV)

Damage (MeV-barns)
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Non-threshold reactions

Energy (MeV) vs. Cross section (barns) for different reactions:
- $(n,n^*)a$
- $(n,gma)$
- $(n,p)$
- $(n,a)$
- $(n,xp)$
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Non-threshold reactions

Energy (MeV) vs. Cross section (barns) plot showing the data for the reaction (n,xa). The graph displays oscillations at various energy levels, indicating resonances in the cross-section values.
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Heating

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

- Heating peaks at around 5 MeV and 15 MeV.
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Non-threshold reactions

Energy (MeV)

Cross section (barns)

- (n,n*)a
- (n,gma)
- (n,p)
- (n,a)
- (n,xp)
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Non-threshold reactions

![Graph showing cross section (barns) vs. Energy (MeV) for non-threshold reactions (n,xa).]
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Inelastic levels

Energy (MeV)

Cross section (barns)

(n,n*6) (n,n*7) (n,n*8) (n,n*9) (n,n*10)

Energy (MeV)
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Inelastic levels

Energy (MeV)

Cross section (barns)

- (n,n*11)
- (n,n*12)
- (n,n*13)
- (n,n*14)
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Threshold reactions

Cross section (barns) vs. Energy (MeV)

- (n,t)
- (n,he3)
- (n,xd)
- (n,xt)
- (n,xhe3)