ENDF/B-VI PR-141
Principal cross sections

Energy (MeV)

Cross section (barns)

total
absorption
elastic

10^{-11} 10^{-10} 10^{-9} 10^{-8} 10^{-7} 10^{-6} 10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1}
ENDF/B-VI PR-141 Damage

Energy (MeV) vs Damage (MeV-barns)

- Energy axis: $10^{-11}$ to $10^1$
- Damage axis: $10^{-6}$ to $10^0$

The graph shows the relationship between energy and damage, with a significant spike in the damage at certain energy levels.
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Non-threshold reactions

Energy (MeV)

Cross section (barns)

- (n,gma)
- (n,p)
- (n,a)
- (n,xp)
- (n,xa)
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Heating

![Graph showing Heating vs. Energy (MeV)]

- Heating (MeV/reaction)
- Energy (MeV)

Graph shows a peak in heating at around 10 MeV, followed by a decrease.
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Threshold reactions

Cross section (barns)

Energy (MeV)

- (n,2n)
- (n,3n)
- (n,n*)a
- (n,n*)p
- (n,n*c)
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Threshold reactions

Energy (MeV)

Cross section (barns)

(n,d)  (n,t)  (n,he3)  (n,xd)  (n,xt)
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angular distribution for elastic