JEFF-3.1 CD-115M

Heating

Energy (MeV)

Heating (MeV/reaction)
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Non-threshold reactions
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Damage

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

- Damage increases with energy.
- The graph shows a clear linear relationship between energy and damage.
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Non-threshold reactions

Cross section (barns) vs. Energy (MeV)

- The graph shows the cross section in barns as a function of energy in MeV.
- The reaction (n,gma) is indicated on the graph.
- The cross section decreases rapidly with increasing energy, reaching a minimum and then increasing slightly.
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Threshold reactions

Cross section (barns)

Energy (MeV)

*(n,a)*

*(n,2p)*
JEFF-3.1 CD-115M Threshold reactions

Cross section (barns) vs Energy (MeV)

- (n,xp)
- (n,xd)
- (n,xt)
- (n,xhe3)
- (n,xa)