ENDF/B-VI H-1E
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
- gamma production

Energy (MeV)

$10^{-11}$  $10^{-9}$  $10^{-7}$  $10^{-5}$  $10^{-3}$  $10^{-1}$  $10^{1}$
ENDF/B-VI H-1E
Heating

![Graph showing the relationship between Heating (MeV/reaction) and Energy (MeV).](image)

- **Y-Axis:** Heating (MeV/reaction)
  - Range: $10^{-4}$ to $10^{2}$
- **X-Axis:** Energy (MeV)
  - Range: $10^{-11}$ to $10^{1}$

The graph illustrates a linear relationship between Heating and Energy.
ENDF/B-VI H-1E
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
(n,xd)
ENDF/B-VI H-1E
Principal cross sections

Energy (MeV) vs Cross section (barns)

- Total
- Absorption
- Elastic
- Gamma production
ENDF/B-VI H-1E
Damage

Damage (MeV-barns) vs. Energy (MeV).
ENDF/B-VI H-1E
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)

(n,xd)
ENDF/B-VI H-1E
angular distribution for elastic
ENDF/B-VI H-1E
angular distribution for elastic
ENDF/B-VI H-1E
thermal capture photon spectrum
ENDF/B-VI H-1E
14 MeV photon spectrum
ENDF/B-VI H-1E
Particle production cross sections

Cross section (barns) vs. Energy (MeV).

- Cross section is plotted on a logarithmic scale.
- The line represents the production of deuterons.

The curve shows a decrease in cross section with increasing energy, with a peak at lower energies.
ENDF/B-VI H-1E
angular distribution for (n,gma) deuteron