ENDF/B-VII.1 H-1
Principal cross sections

![Graph showing the relationship between energy and cross sections for total, absorption, elastic, and gamma production.]
ENDF/B-VII.1 H-1 Damage

Damage

Energy (MeV) vs. Damage (MeV-barns) graph
ENDF/B-VII.1 H-1
Principal cross sections

- Total
- Absorption
- Elastic
- Gamma production

Energy (MeV) vs. Cross section (barns)
ENDF/B-VII.1 H-1 Heating

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

- Heating is directly proportional to Energy.
E\(\text{NDF/B-VII.1 \ H-1}\)
Non-threshold reactions

Cross section (barns)

Energy (MeV)

\(\text{(n,gma)}\)
\(\text{(n,xd)}\)
ENDF/B-VII.1 H-1
angular distribution for elastic
ENDF/B-VII.1 H-1
Photon emission for (n,γ)
ENDF/B-VII.1 H-1
Particle heating contributions

Energy (MeV)

MeV/collision

0

*10^{-6}

500

600

deuterons

Energy (MeV)
ENDF/B-VII.1 H-1 Recoil Heating

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

- Energy (MeV)
  - 0
  - 5
  - 10
  - 15
  - 20

- Heating (MeV/reaction)
  - 0
  - 2
  - 4
  - 6
  - 8
  - 10
  - 12

Graph showing a linear relationship between energy and heating.
ENDF/B-VII.1 H-1
Particle production cross sections

Energy (MeV)

Cross section (barns)

*10^{-6}

deuterons

Energy (MeV)
ENDF/B-VII.1 H-1
angular distribution for (n,gma) deuteron