ENDF/B-VII HF-176
Principal cross sections

Energy (MeV)

Cross section (barns)

total
absorption
elastic
ENDF/B-VII HF-176
resonance total cross section
ENDF/B-VII HF-176
resonance total cross section
ENDF/B-VII HF-176
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII HF-176
resonance absorption cross sections

![Graph showing ENDF/B-VII HF-176 resonance absorption cross sections. The graph plots cross section (in barns) vs. energy (in MeV). There is a sharp peak at low energy, indicating a resonance effect.](image-url)
ENDF/B-VII HF-176
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

- capture
ENDF/B-VII HF-176
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
ENDF/B-VII HF-176
resonance absorption cross sections

capture
ENDF/B-VII HF-176
UR total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII HF-176
UR elastic cross section

Energy (MeV)

Cross section (barns)

Inf. Dil.
100 b
ENDF/B-VII HF-176
UR capture cross section

Energy (MeV)

Cross section (barns)

Inf. Dil.
100 b
ENDF/B-VII HF-176 Heating

Heating (MeV/reaction) vs. Energy (MeV)
ENDF/B-VII HF-176
Damage

Energy (MeV)

Damage (MeV-barns)
ENDF/B-VII HF-176
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
ENDF/B-VII HF-176 Damage

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

*10^{-3}

- Damage

Energy (MeV)

0  2  4  6  8  10  12  14  16  18  20

Damage (MeV-barns)

0  20  40  60  80  100  120  140  160  180  200  220  240  260  280  300

- Energy (MeV) range: 0 to 20
- Damage range: 0 to 2,500 *10^{-3}

Graph showing the increase in damage with energy.
ENDF/B-VII HF-176
Non-threshold reactions

Cross section (barns)

Energy (MeV)

(n,gma)
ENDF/B-VII HF-176
Threshold reactions

Energy (MeV)

Cross section (barns)

(n,xp)
ENDF/B-VII HF-176
angular distribution for elastic