ENDF/B-VI CD-111C
Principal cross sections

Energy (MeV) vs. Cross section (barns)

- Total
- Absorption
- Elastic

Energy range: $10^{-11}$ to $10^{1}$ MeV
Cross section range: $10^{-3}$ to $10^{3}$ barns
ENDF/B-VI CD-111C
resonance total cross section

Cross section (barns)

Energy (MeV)

10^{-5}   10^{-4}
ENDF/B-VI CD-111C
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VI CD-111C
cresonance absorption cross sections

Energy (MeV)

Cross section (barns)

Capture
ENDF/B-VI CD-111C
resonance absorption cross sections

Capture cross sections vs. energy (MeV)
ENDF/B-VI CD-111C
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VI CD-111C
Heating

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

- Heating (MeV/reaction)
- Energy (MeV)
ENDF/B-VI CD-111C
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic

Energy (MeV)

2 4 6 8 10 12 14 16 18 20

0 1 2 3 4 5 6

2 4 6 8 10 12 14 16 18 20

0 1 2 3 4 5 6
ENDF/B-VI CD-111C
Damage

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

- Energy (MeV) range: 0 to 20
- Damage (MeV-barns) range: 0 to 35 * 10^{-3}

The damage increases with energy, showing a positive correlation.
ENDF/B-VI CD-111C
Inelastic levels

Energy (MeV)

Cross section (barns)

(n,n*11)
ENDF/B-VI CD-111C
angular distribution for elastic
ENDF/B-VI CD-111C
Neutron emission for (n,2n)
ENDF/B-VI CD-111C
Neutron emission for (n,3n)
ENDF/B-VI CD-111C
Neutron emission for (n,n*)a
ENDF/B-VI CD-111C
Neutron emission for \((n,n^\ast)\)p
ENDF/B-VI CD-111C
Neutron emission for \((n,n^*)d\)
ENDF/B-VI CD-111C
Neutron emission for \((n,n^*)t\)
ENDF/B-VI CD-111C
Neutron emission for (n,n*c)