ENDF/B-VI MO-NAT
Principal cross sections

Cross section (barns)

- total
- absorption
- elastic
- gamma production

Energy (MeV)
ENDF/B-VI MO-NAT resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VI MO-NAT
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VI MO-NAT

Heating

Heating (MeV/reaction) vs. Energy (MeV)
ENDF/B-VI MO-NAT

Damage

Energy (MeV)

Damage (MeV-barns)
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Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
ENDF/B-VI MO-NAT
Non-threshold reactions

Cross section (barns) vs. Energy (MeV)

(n,gma)
ENDF/B-VI MO-NAT
angular distribution for elastic

Prob/Cos

Energy (MeV)

Cosine

10^1

10^-1

1.0 0.5 0.0 -0.5 -1.0 0

10 15 20
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angular distribution for (n,2n)
ENDF/B-VI MO-NAT angular distribution for (n,3n)
ENDF/B-VI MO-NAT angular distribution for (n,n*c)
ENDF/B-VI MO-NAT
Neutron emission for \((n,2n)\)
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Neutron emission for (n,3n)
ENDF/B-VI MO-NAT
Neutron emission for \((n,n^c)\)
ENDF/B-VI MO-NAT
Photon emission for (n,gma)
ENDF/B VI MO-NAT
Photon emission for nonelastic

- $E^\gamma (\text{MeV})$
- $E_n (\text{MeV})$
- $\text{Prob} / \text{MeV}$

Graph showing the photon emission for nonelastic interactions with MeV values on the y-axis and E_n values on the x-axis.
ENDF/B-VI MO-NAT
thermal capture photon spectrum
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14 MeV photon spectrum