ENDF/B-VII RE-187
Principal cross sections

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Principal cross sections

Cross section (barns)

Energy (MeV)

- total
- absorption
- elastic
ENDF/B-VII RE-187
resonance total cross section

Energy (MeV)

Cross section (barns)

- total

$10^{-5}$ $10^{-4}$
ENDF/B-VII RE-187
resonance total cross section
ENDF/B-VII RE-187
resonance total cross section

Cross section (barns) vs. Energy (MeV)
ENDF/B-VII RE-187 resonance absorption cross sections

Capture cross section as a function of energy (MeV). The graph shows a pronounced peak at a certain energy level, indicative of a resonance absorption phenomenon.
ENDF/B-VII RE-187
resonance absorption cross sections

Capture
ENDF/B-VII RE-187
resonance absorption cross sections
ENDF/B-VII RE-187
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VII RE-187
UR total cross section

Energy (MeV)

Cross section (barns)

Inf. Dil.

100 b

Energy (MeV)
ENDF/B-VII RE-187
UR elastic cross section
ENDF/B-VII RE-187
UR capture cross section

Cross section (barns) vs. Energy (MeV)

Inf. Dil.
100 b
ENDF/B-VII RE-187
Non-threshold reactions
ENDF/B-VII RE-187
Principal cross sections
ENDF/B-VII RE-187 Damage

Energy (MeV)

Damage (MeV-barns)

Energy (MeV)
ENDF/B-VII RE-187
Non-threshold reactions

Graph showing the cross section (barns) versus energy (MeV) for the reaction (n,gma). The graph plots the cross section on a logarithmic scale from $10^{-1}$ to $10^{-3}$ barns, with energy ranging from 0 to 20 MeV. The curve indicates a sharp decrease in cross section at higher energies, followed by a slight increase at lower energies.
ENDF/B-VII RE-187
Inelastic levels

Cross section (barns) vs. Energy (MeV)

The plot shows the cross section for inelastic scattering reactions as a function of energy. The peak at low energies indicates a sharp resonance, with the cross section decreasing rapidly as the energy increases.
ENDF/B-VII RE-187
angular distribution for (n,2n)
ENDF/B-VII RE-187
angular distribution for (n,3n)
ENDF/B-VII RE-187 angular distribution for (n,n*1)
ENDF/B-VII RE-187
angular distribution for (n,n*2)
ENDF/B-VII RE-187
angular distribution for (n,n*3)
ENDF/B-VII RE-187
angular distribution for (n,n^4)
ENDF/B-VII RE-187
angular distribution for (n,n*5)
ENDF/B-VII RE-187
angular distribution for (n,n*6)
ENDF/B-VII RE-187
angular distribution for (n,n*8)
ENDF/B-VII RE-187 angular distribution for \((n,n^9)\)
ENDF/B-VII RE-187
angular distribution for (n,n*10)
ENDF/B-VII RE-187
angular distribution for (n,n*12)
ENDF/B-VII RE-187
angular distribution for (n,n*13)
ENFD/B-VII RE-187
angular distribution for (n,n*14)
ENDF/B-VII RE-187
angular distribution for (n,n*15)
ENDF/B-VII RE-187
angular distribution for (n,n*16)
ENDF/B-VII RE-187
angular distribution for (n,n*c)