ENDF/B-IV XE-130
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic

Energy (MeV)

- $10^{-11}$
- $10^{-10}$
- $10^{-9}$
- $10^{-8}$
- $10^{-7}$
- $10^{-6}$
- $10^{-5}$
- $10^{-4}$
- $10^{-3}$
- $10^{-2}$
- $10^{-1}$
- $10^0$
- $10^1$
ENDF/B-IV XE-130
resonance total cross section

Energy (MeV)

Cross section (barns)

total
ENDF/B-IV XE-130
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-IV XE-130

Heating

Heating (MeV/reaction) vs. Energy (MeV)
ENDF/B-IV XE-130
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
ENDF/B-IV XE-130 Heating

Heating (MeV/reaction) vs. Energy (MeV) graph.
ENDF/B-IV XE-130 Damage

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

- Damage graph showing a trend of increasing damage with energy.
- The x-axis represents energy in MeV, ranging from 0 to 20 MeV.
- The y-axis represents damage in MeV-barns, ranging from 0 to 30,000 MeV-barns.

The data suggests a positive correlation between energy and damage, with damage increasing steadily as energy increases.
ENDF/B-IV XE-130
Non-threshold reactions

Cross section (barns)

Energy (MeV)
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Inelastic levels

Energy (MeV)

Cross section (barns)

*10^{-3}

(n,n*6)
ENDF/B-IV XE-130
Threshold reactions

Cross section (barns) vs Energy (MeV)

- (n,2n)
- (n,3n)
- (n,n*c)
- (n,p)
- (n,d)
ENDF/B-IV XE-130
angular distribution for elastic

Prob/Cos

10^{-1}

10^{0}

10^{1}

Cosine 0.0 0.5 1.0

Energy (MeV) 5 10 15 20

10^{-1}

1.0 0.5 0.0 -0.5 -1.0
ENDF/B-IV XE-130
angular distribution for (n,2n)
ENDF/B-IV XE-130
angular distribution for (n,3n)
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angular distribution for (n,n*1)
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angular distribution for (n,n*2)
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angular distribution for (n,n*3)
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angular distribution for (n,n*4)
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angular distribution for (n,n*5)
ENDF/B-IV XE-130
angular distribution for (n,n*6)
ENDF/B-IV XE-130
angular distribution for (n,n^c)