ENDF/B-VII SN-122
resonance total cross section

Energy (MeV)

Cross section (barns)

total
ENDF/B-VII SN-122
resonance total cross section
ENDF/B-VII SN-122
resonance total cross section

Energy (MeV)

Cross section (barns)
ENDF/B-VII SN-122
resonance total cross section

Energy (MeV)

Cross section (barns)

10^{-1} 10^{0} 10^{1}
ENDF/B-VII SN-122
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII SN-122
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
ENDF/B-VII SN-122
resonance absorption cross sections

Graph showing cross section (in barns) as a function of energy (in MeV). The graph features multiple resonance peaks, indicating significant absorption cross sections at specific energy levels. The x-axis represents energy in MeV, ranging from $10^{-3}$ to $10^{-2}$, and the y-axis represents cross section in barns, ranging from $10^{-4}$ to $10^0$.
ENDF/B-VII SN-122
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VII SN-122
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VII SN-122 Damage

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

- The x-axis represents energy in MeV, ranging from $10^{-11}$ to $10^1$.
- The y-axis represents damage in MeV-barns, ranging from $10^{-6}$ to $10^{-1}$.
- The graph shows a log-log scale.

The damage distribution is characterized by spikes at certain energy levels, indicating regions of high damage sensitivity.
ENDF/B-VII SN-122
Non-threshold reactions

Energy (MeV)

Cross section (barns)

$^{235}\text{U}$ (n,gma)
ENDF/B-VII SN-122

Damage

Damage (MeV-barns) vs. Energy (MeV)
ENDF/B-VII SN-122
Inelastic levels

Energy (MeV)

Cross section (barns)

*(n,n*6)
*(n,n*7)
*(n,n*8)
*(n,n*9)

Energy (MeV)
ENDF/B-VII SN-122
Threshold reactions

Energy (MeV)

Cross section (barns)

(n,2n)
(n,3n)
(n,n*)a
(n,n*)p
(n,n*c)
ENDF/B-VII SN-122
Threshold reactions

Cross section (barns)

Energy (MeV)

*(n,xp)*
*(n,xd)*
*(n,xt)*
*(n,xa)*
ENDF/B-VII SN-122
angular distribution for (n,2n)
ENDF/B-VII SN-122
angular distribution for (n,3n)
ENDF/B-VII SN-122
angular distribution for \((n,n^*)a\)
ENDF/B-VII SN-122
angular distribution for \((n,n^*)p\)

Energy (MeV)

Cosine

Prob/Cos

\[ 1 \leq |\cos\theta| \leq 2 \]

\[ 0 \leq E \leq 16 \]
ENDF/B-VII SN-122
angular distribution for (n,n*1)
ENDF/B-VII SN-122 angular distribution for (n,n^2)
ENDF/B-VII SN-122
angular distribution for (n,n*3)
ENDF/B-VII SN-122
angular distribution for (n,n*4)

Energy (MeV)

Cosine

Prob/Cos

Prob/Cos

Prob/Cos

Prob/Cos

Prob/Cos
ENDF/B-VII SN-122
angular distribution for (n,n*5)
ENDF/B-VII SN-122
angular distribution for (n,n*6)
ENDF/B-VII SN-122
angular distribution for \((n,n^*7)\)
ENDF/B-VII SN-122
angular distribution for (n,n*8)
ENDF/B-VII SN-122
angular distribution for (n,n’c)
ENDF/B-VII SN-122
Neutron emission for (n,2n)
Neutron emission for (n,3n)

ENDF/B-VI SN-122
ENDF/B-VII SN-122
Neutron emission for (n,n*)a
ENDF/B-VII SN-122
Neutron emission for (n,n\textsuperscript{*})p
ENDF/B-VII SN-122
Neutron emission for \((n,n^*c)\)