ENDF/B-VII U-234
resonance total cross section
ENDF/B-VII U-234
counter total cross section

Energy (MeV)

Cross section (barns)
ENDF/B-VII U-234
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII U-234 resonance total cross section

Energy (MeV) vs. Cross section (barns)

- Total cross section plot
ENDF/B-VII U-234
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
fission
ENDF/B-VII U-234
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

Capture
Fission
ENDF/B-VII U-234
resonance absorption cross sections

Energy (MeV)
Cross section (barns)
ENDF/B-VII U-234 resonance absorption cross sections

- Capture
- Fission
ENDF/B-VII U-234
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
fission
ENDF/B-VII U-234
UR total cross section
ENDF/B-VII U-234
UR fission cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII U-234
UR capture cross section

Energy (MeV)

Cross section (barns)

Inf. Dil.
100 b
ENDF/B-VII U-234 Heating

Energy (MeV) vs Heating (MeV/reaction)

- Heating values range from $10^{-11}$ to $10^0$ in the y-axis.
- Energy values range from $10^{-11}$ to $10^1$ in the x-axis.

The graph shows the distribution of heating for different energy levels.
ENDF/B-VII U-234 Damage

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

- The graph shows the relationship between energy (in MeV) and damage (in MeV-barns).
- The y-axis represents damage in a logarithmic scale, ranging from $10^{-1}$ to $10^{-6}$.
- The x-axis represents energy in a logarithmic scale, ranging from $10^{-11}$ to $10^{1}$.
- The graph includes a line labeled "damage" which illustrates the damage as a function of energy.
- The damage shows significant fluctuations at certain energy levels, indicating complex interactions or processes.
ENDF/B-VII U-234
Non-threshold reactions

Cross section (barns)

Energy (MeV)
ENDF/B-VII U-234
Principal cross sections

![Graph showing cross sections vs. Energy (MeV)]
ENDF/B-VII U-234
Non-threshold reactions

![Graph showing cross section vs. energy for (n,f) and (n,gma) reactions. The x-axis represents energy in MeV, and the y-axis represents cross section in barns. The graph illustrates the decrease in cross section with increasing energy for both reactions.]
ENDF/B-VII U-234
Inelastic levels

Cross section (barns) vs Energy (MeV)

- (n,n*6)
- (n,n*7)
- (n,n*8)
- (n,n*9)
- (n,n*10)
ENDF/B-VII U-234
Inelastic levels

Energy (MeV)

Cross section (barns)

- (n,n*16)
- (n,n*17)
- (n,n*18)
- (n,n*19)
- (n,n*20)
ENDF/B-VII U-234
Threshold reactions

Cross section (barns) vs. Energy (MeV)

- (n,2n)
- (n,3n)
- (n,4n)
- (n,n*c)
ENDF/B-VII U-234
High-order fission reactions
ENDF/B-VII U-234 angular distribution for elastic
ENDF/B-VII U-234 angular distribution for (n,n*1)
ENDF/B-VII U-234
angular distribution for $(n,n^2)$
ENDF/B-VII U-234 angular distribution for (n,n*3)
ENDF/B-VII U-234
angular distribution for (n,n*4)

Prob/Cos

Energy (MeV)

0.5 0.0 -0.5 -1.0

Cosine

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0
ENDF/B-VII U-234
angular distribution for (n,n*6)
ENDF/B-VII U-234 angular distribution for (n,n*7)

Energy (MeV)

Cosine

Prob/Cos

0.5 0.0 -0.5 -1.0

0 0.5 1.0
ENDF/B-VII U-234 angular distribution for (n,n^8)
ENDF/B-VII U-234
angular distribution for (n,n*9)
ENDF/B-VII U-234
angular distribution for (n,n*11)
ENDF/B-VII U-234
angular distribution for (n,n*12)
ENDF/B-VII U-234 angular distribution for (n,n*13)
ENDF/B-VII U-234
angular distribution for (n,n*14)
ENDF/B-VII U-234 angular distribution for (n,n*15)
ENDF/B-VII U-234 angular distribution for (n,n*16)
ENDF/B-VII U-234
angular distribution for (n,n*17)
ENDF/B-VII U-234
angular distribution for (n,n*18)
ENDF/B-VII U-234
angular distribution for (n,n*19)
ENDF/B-VII U-234
angular distribution for (n,n*20)
ENDF/B-VII U-234
angular distribution for \((n, n^{*21})\)
ENDF/B-VII U-234 angular distribution for (n,n*22)
ENDF/B-VII U-234
angular distribution for (n,n*23)
ENDF/B-VII U-234
angular distribution for (n,n*24)
ENDF/B-VII U-234
angular distribution for (n,n*25)
ENDF/B-VII U-234
angular distribution for (n,n*26)
ENDF/B-VII U-234
angular distribution for (n,n*27)
ENDF/B-VII U-234 angular distribution for (n,n\*28)
ENDF/B-VII U-234 angular distribution for (n,n*29)
ENDF/B-VII U-234 angular distribution for (n,n*30)
ENDF/B-VII U-234
angular distribution for (n,n*31)
ENDF/B-VII U-234 angular distribution for (n,n*32)

Energy (MeV)

1.0  0.5  0.0  -0.5  -1.0

Cosine

Prob/Cos
ENDF/B-VII U-234
angular distribution for \((n,n^*33)\)
ENDF/B-VII U-234
angular distribution for (n,n*34)
ENDF/B-VII U-234 angular distribution for (n,n*35)
ENDF/B-VII U-234
angular distribution for (n,n*36)
ENDF/B-VII U-234
angular distribution for (n,n*38)
ENDF/B-VII U-234 angular distribution for (n,n^*39)
ENDF/B-VII U-234 angular distribution for (n,n*40)
ENDF/B-VII U-234
Neutron emission for (n,2n)
ENDF/B-VII U-234
Neutron emission for (n,3n)
ENDF/B-VII U-234
Neutron emission for (n,f)
ENDF/B-7 U-234 Neutron emission for (n,n'f)
ENDF/B-VII U-234
Neutron emission for (n,2nf)
ENDF/B-VII U-234
Neutron emission for (n,n*c)
ENDF/B-VII U-234
Delayed neutron spectra

- Group 1: Fraction 0.0562, decay/shake 1.248E-10
- Group 2: Fraction 0.2379, decay/shake 3.130E-10
- Group 3: Fraction 0.1837, decay/shake 1.075E-09
- Group 4: Fraction 0.4152, decay/shake 3.032E-09
- Group 5: Fraction 0.0944, decay/shake 1.289E-08
- Group 6: Fraction 0.0126, decay/shake 1.044E-07
ENDF/B-VII U-234
Photon emission for nonelastic
ENDF/B-VII U-234 thermal capture photon spectrum
ENDF/B-VII U-234
14 MeV photon spectrum