ENDF/B-V TC-99A
Principal cross sections

Energy (MeV) vs. Cross section (barns)

- Total
- Absorption
- Elastic

Energy (MeV): $10^{-11}$ to $10^{1}$

Cross section (barns): $10^{-2}$ to $10^{4}$
ENDF/B-V TC-99A
resonance total cross section
ENDF/B-V TC-99A
resonance total cross section
ENDF/B-V TC-99A resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-V TC-99A
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

- Capture
ENDF/B-V TC-99A
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

Capture
ENDF/B-V TC-99A
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
ENDF/B-V TC-99A
resonance absorption cross sections
ENDF/B-V TC-99A
UR total cross section

Energy (MeV)

Cross section (barns)

Inf. Dil. 100 b 1 b

10^1

10^{-3} 10^{-2} 10^{-1}

Energy (MeV)
ENDF/B-V TC-99A
UR elastic cross section

\begin{figure}
\centering
\includegraphics[width=\textwidth]{elastic_cross_section}
\caption{Endf/B-v TC-99A ur elastic cross section}
\end{figure}
ENDF/B-V TC-99A
UR capture cross section

[Graph showing energy vs. cross section on a log-log scale]

Energy (MeV) on the x-axis and Cross section (barns) on the y-axis.
ENDF/B-V TC-99A
Damage

![Graph showing energy (MeV) vs. damage (MeV-barns)](image-url)

- y-axis: DAMAGE (MEV-barns)
- x-axis: ENERGY (MEV)
ENDF/B-V TC-99A
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
ENDF/B-V TC-99A Heating

Energy (MeV) vs. Heating (MeV/reaction) graph.

- Heating increases with energy until a peak at around 10 MeV.
- There is a decrease in heating post-peak.
- Heating continues to rise steeply beyond the peak.

The diagram illustrates the heating as a function of energy, highlighting a peak at approximately 10 MeV.
ENDF/B-V TC-99A
Non-threshold reactions

Cross section (barns)

Energy (MeV)

10^{-1}

10^{-2}

10^{-3}

(n,gma)
ENDF/B-V TC-99A
Threshold reactions

Energy (MeV)

Cross section (barns)

(n,2n)  
(n,n*γ)
ENDF/B-V TC-99A
angular distribution for elastic
ENDF/B-V TC-99A
angular distribution for (n,2n)
ENDF/B-V TC-99A
angular distribution for (n,n*1)
ENDF/B-V TC-99A
angular distribution for (n,n*3)
ENDF/B-V TC-99A
angular distribution for \( (n,n^*4) \)
ENDF/B-V TC-99A
angular distribution for (n,n*5)
ENDF/B-V TC-99A
angular distribution for (n,n*6)
ENDF/B-V TC-99A
angular distribution for (n,n*7)
ENDF/B-V TC-99A
angular distribution for (n,n*8)
ENDF/B-V TC-99A
angular distribution for (n,n*9)
ENDF/B-V TC-99A
angular distribution for (n,n*10)
ENDF/B-V TC-99A angular distribution for (n,n*11)
ENDF/B-V TC-99A
angular distribution for (n,n*c)