ENDF/B-VI N-14H
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VI N-14H resonance total cross section
E\textsuperscript{\textdegree}NDF/B-VI N-14H
resonance absorption cross sections

\begin{figure}
\centering
\includegraphics[width=\textwidth]{figure.png}
\caption{Resonance absorption cross sections for N-14H.}
\end{figure}
ENDF/B-VI N-14H resonance absorption cross sections
ENDF/B-VI N-14H Damage

![Graph showing damage as a function of energy](image-url)

- **Y-axis:** Damage (MeV-barns)
- **X-axis:** Energy (MeV)
ENDF/B-VI N-14H
Non-threshold reactions

Energy (MeV)

Cross section (barns)

- (n,gma)
- (n,p)
- (n,xp)
ENDF/B-VI N-14H
Principal cross sections

Energy (MeV)

Cross section ( barns)

- total
- absorption
- elastic
- gamma production
ENDF/B-VI N-14H
Non-threshold reactions

![Graph showing cross section (barns) vs. energy (MeV) for reactions (n,gma), (n,p), and (n,xp).]
ENDF/B-VI N-14H
Threshold reactions

Cross section (barns) vs. Energy (MeV)

- (n,2a) reaction

*10^{-3}
ENDF/B-VI N-14H
Threshold reactions

Cross section (barns) vs. Energy (MeV)

- (n,xd)
- (n,xt)
- (n,xa)
- (n,p*1)
- (n,p*2)
ENDF/B-VI N-14H
Threshold reactions

Energy (MeV)

Cross section (barns)

- (n,d*1)
- (n,d*2)
- (n,d*3)
- (n,t*0)
- (n,t*1)
ENDF/B-VI N-14H
Threshold reactions

Cross section (barns) vs. Energy (MeV)

- (n,a*5)
- (n,a*6)
- (n,a*7)
- (n,a*8)
- (n,a*9)
ENDF/B-VI N-14H
angular distribution for elastic
ENDF/B-VI N-14H
angular distribution for elastic
ENDF/B-VI N-14H
angular distribution for (n,n*1)
ENDF/B-VI N-14H
angular distribution for \((n,n^*2)\)
ENDF/B-VI N-14H
angular distribution for (n,n*3)
ENDF/B-VI N-14H
angular distribution for (n,n*4)
ENDF/B-VI N-14H
angular distribution for (n,n*6)
ENDF/B-VI N-14H
angular distribution for (n,n*7)
ENDF/B-VI N-14H
angular distribution for (n,n*8)
ENDF/B-VI N-14H
angular distribution for (n,n*9)
ENDF/B-VI N-14H
angular distribution for (n,n*10)
ENDF/B-VI N-14H
angular distribution for (n,n*11)
ENDF/B-VI N-14H
angular distribution for (n,n*12)
ENDF/B-VI N-14H
Neutron emission for (n,x)
ENDF/B-VI N-14H
Neutron emission for (n,2n)
ENDF/B-VI N-14H
Photon emission for (n,gma)
ENDF/B-VI N-14H
Photon emission for (n,x)
ENDF/B-VI N-14H
14 MeV photon spectrum
ENDF/B-VI N-14H
Particle heating contributions

Energy (MeV) vs. MeV/collision for protons, deuterons, and alphas.
ENDF/B-VI N-14H Recoil Heating

Graph showing the relationship between Energy (MeV) and Heating (MeV/reaction). The graph indicates that heating increases with energy, especially at lower energies. The curve is smooth and shows a steady rise with some fluctuations.
ENDF/B-VI N-14H
Particle production cross sections

Energy (MeV)

Cross section (barns)

- Protons
- Deuterons
- Alphas

Energy (MeV)
ENDF/B-VI N-14H protons from (n,x)
ENDF/B-VI N-14H
deuterons from \((n,x)\)
ENDF/B-VI N-14H
alphas from (n,x)