N + 7-N-14 ENDF/B-VI.6 APT LA150 NJOY 99

resonance total cross section

Energy (MeV)

Cross section (barns)

total
N + 7-N-14 ENDF/B-VI.6 APT LA150 NJOY 99
resonance total cross section

![Graph showing the cross section as a function of energy.](Image)

- **Y-axis**: Cross section (barns)
- **X-axis**: Energy (MeV)

The graph displays the total cross section for the reaction N + 7-N-14 as a function of energy, ranging from 10^0 to 10^1 MeV, with a logarithmic scale for both axes.
resonance absorption cross sections
N + 7-N-14 ENDF/B-VI.6 APT LA150 NJOY 99
resonance absorption cross sections

Energy (MeV) vs. Cross section (barns)

Capture cross section graph
Energy (MeV) vs. Damage (MeV-barns) for N + 7-N-14 ENDF/B-VI.6 APT LA150 NJOY 99.
Non-threshold reactions

Energy (MeV)

Cross section (barns)

- (n,gma)
- (n,p)
- (n,xp)
N + 7-N-14 ENDF/B-VI.6 APT LA150 NJOY 99

Damage

Energy (MeV)

Damage (MeV-barns)

*10^{-3}
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
(n,p)
(n, xp)
Inelastic levels

Energy (MeV)

Cross section (barns)

- (n,n^1)
- (n,n^2)
- (n,n^3)
- (n,n^4)
- (n,n^5)
N + 7-N-14 ENDF/B-VI.6 APT LA150 NJOY 99

Inelastic levels

Energy (MeV)

Cross section (barns)

- (n,n^*6)
- (n,n^*7)
- (n,n^*8)
- (n,n^*9)
- (n,n^*10)

Energy (MeV)
N + 7-N-14 ENDF/B-VI.6 APT LA150 NJOY 99
Inelastic levels

Cross section (barns)

Energy (MeV)

(n,n*11)
(n,n*12)
(n,n*13)
(n,n*14)
(n,n*15)
Inelastic levels

Energy (MeV)

Cross section (barns)

(n,n*21)
(n,n*22)
(n,n*23)
(n,n*24)
(n,n*25)
Inelastic levels

Energy (MeV)

Cross section (barns)

(n,n*26)

(n,n*27)
Threshold reactions

Energy (MeV)

Cross section (barns)

(n,p*3)

(n,p*4)

(n,p*5)

(n,p*6)

(n,d*0)
angular distribution for elastic
N + 7-N-14 ENDF/B-VI.6 APT LA150 NJOY 99
angular distribution for elastic
N + 7-N-14 ENDF/B-VI.6 APT LA150 NJOY 99
angular distribution for (n,n*1)

Prob/Cos

10^{-1} 10^{0}

Cosine

1.0 0.5 0.0 -0.5 -1.0

Energy (MeV)

4 6 8 10 12 14 16 18 20
N + 7-N-14 ENDF/B-VI.6 APT LA150 NJOY 99
angular distribution for (n,n*2)
angular distribution for (n,n*3)
N + 7-N-14 ENDF/B-VI.6 APT LA150 NJOY 99
angular distribution for (n,n^*4)
N + 7-N-14 ENDF/B-VI.6 APT LA150 NJOY 99
angular distribution for (n,n*5)
N + 7-N-14 ENDF/B-VI.6 APT LA150 NJOY 99
angular distribution for (n,n*6)
N + 7-N-14 ENDF/B-VI.6 APT LA150 NJOY 99
angular distribution for (n,n*7)
N + 7-N-14 ENDF/B-VI.6 APT LA150 NJOY 99
angular distribution for (n,n*8)
N + 7-N-14 ENDF/B-VI.6 APT LA150 NJOY 99
angular distribution for (n,n*9)
N + 7-N-14 ENDF/B-VI.6 APT LA150 NJOY 99
angular distribution for (n,n*10)
angular distribution for (n,n*11)
N + 7-N-14 ENDF/B-VI.6 APT LA150 NJOY 99
angular distribution for (n,n*12)
N + 7-N-14 ENDF/B-VI.6 APT LA150 NJOY 99
Neutron emission for (n,x)
Neutron emission for (n,2n)
Photon emission for (n,gma)
Photon emission for (n,x)
N + 7-N-14 ENDF/B-VI.6 APT LA150 NJOY 99
thermal capture photon spectrum

\begin{figure}
\centering
\includegraphics[width=\textwidth]{gamma_spectrum.png}
\end{figure}
N + 7-N-14 ENDF/B-VI.6 APT LA150 NJOY 99
protons from (n,x)
N + 7-N-14 ENDF/B-VI.6 APT LA150 NJOY 99
deuteron from (n,x)
N + 7-N-14 ENDF/B-VI.6 APT LA150 NJOY 99
alphas from (n,x)