Principal cross sections

Energy (MeV) vs Cross section (barns)

- Total
- Absorption
- Elastic
- Gamma production

17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
resonance total cross section
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
resonance total cross section

![Graph showing total cross section vs. energy in barns]

- Energy (MeV)
- Cross section (barns)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
resonance total cross section

Energy (MeV)

Cross section (barns)

total
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
resonance total cross section

Energy (MeV)

Cross section (barns)

10^0  10^1

total
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
resonance absorption cross sections

![Graph of resonance absorption cross sections](image-url)

- **Capture** cross section is shown.

**Axes:**
- **X-axis:** Energy (MeV)
- **Y-axis:** Cross section (barns)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
resonance absorption cross sections

![Graph showing capture cross sections as a function of energy. The x-axis represents energy in MeV, ranging from $10^{-2}$ to $10^{-1}$, while the y-axis represents cross section in barns, ranging from $10^{-4}$ to $10^1$. Peaks are visible at various energies, indicating resonances.]
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ resonance absorption cross sections

Energy (MeV)

Capture

Cross section (barns)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
resonance absorption cross sections

capture
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Damage

![Graph showing damage vs energy (MeV) with a logarithmic scale.](image)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Non-threshold reactions
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Principal cross sections

![Graph showing cross sections as a function of energy (MeV). The graph includes lines for total, absorption, elastic, and gamma production cross sections.](image-url)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+

Heating

Energy (MeV)

Heating (MeV/reaction)

0  20  40  60  80  100  120  140  160

0  5  10  15  20  25  30  35
Non-threshold reactions

Energy (MeV)

Cross section (barns)

\((n,\gamma m\alpha)\)

\((n,p)\)

\((n,a)\)

\((n,xp)\)

\((n,xa)\)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Inelastic levels

![Graph showing cross-sections for various inelastic levels](image-url)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Inelastic levels

![Graph showing cross sections for different inelastic levels vs. energy.](image-url)

- (n,n*11)
- (n,n*12)
- (n,n*13)
- (n,n*14)
- (n,n*15)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Inelastic levels

Cross section (barns) vs Energy (MeV)

- (n,n*16)
- (n,n*17)
- (n,n*18)
- (n,n*19)
- (n,n*20)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Inelastic levels

![Graph showing cross-section of different reactions against energy.](image-url)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Inelastic levels

Energy (MeV)

Cross section (barns)

*10^{-3}

(n,n*26)
(n,n*27)
(n,n*28)
(n,n*29)
(n,n*30)

Energy (MeV)
Threshold reactions

Cross section (barns) vs Energy (MeV)

- (n,n*c)
- (n,d)
- (n,t)
- (n,2p)
- (n,pa)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Threshold reactions

Cross section (barns) vs. Energy (MeV)
(n,p*9) (n,p*10) (n,p*11) (n,p*12) (n,p*13)
Threshold reactions

17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+

Energy (MeV) vs. Cross section (barns)
- (n,p\(^{14}\))
- (n,p\(^{15}\))
- (n,p\(^{16}\))
- (n,p\(^{17}\))
- (n,p\(^{18}\))

Graph showing the cross section for various threshold reactions as a function of energy (MeV).
Threshold reactions

Cross section (barns) vs. Energy (MeV) for different reactions:
- (n,p\(^{19}\))
- (n,p\(^{20}\))
- (n,p\(^{21}\))
- (n,p\(^{22}\))
- (n,p\(^{23}\))
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Threshold reactions

![Graph showing cross sections for various reactions versus energy](image-url)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Threshold reactions

Energy (MeV)

Cross section (barns)

- (n,p*29)
- (n,p*c)
- (n,d*0)
- (n,d*1)
- (n,d*2)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Threshold reactions

Energy (MeV)

Cross section (barns)

(n,d*3)
(n,d*4)
(n,d*5)
(n,d*6)
(n,d*7)

Energy (MeV)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Threshold reactions

Energy (MeV)

Cross section (barns)

(n,d*8)  (n,d*9)  (n,d*10)  (n,d*11)  (n,d*12)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Threshold reactions

Cross section (barns)

Energy (MeV)
Threshold reactions

Cross section (barns) vs. Energy (MeV) for the reactions (n,d*23) to (n,d*27).

- (n,d*23) (black, thin line)
- (n,d*24) (red, solid line)
- (n,d*25) (green, solid line)
- (n,d*26) (blue, solid line)
- (n,d*27) (magenta, solid line)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Threshold reactions

Energy (MeV)

Cross section (barns)

(n,t^1)
(n,t^2)
(n,t^3)
(n,t^4)
(n,t^5)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Threshold reactions

Energy (MeV)

Cross section (barns)

*10^{-6}

(n,t^6)
(n,t^7)
(n,t^8)
(n,t^9)
(n,t^{10})

Energy (MeV)
Threshold reactions

Cross section (barns)

Energy (MeV)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Threshold reactions

Energy (MeV)

Cross section (barns)

(n,t$^{16}$)
(n,t$^{17}$)
(n,t$^{18}$)
(n,t$^{19}$)
(n,t$^{20}$)
Threshold reactions

Energy (MeV)

Cross section (barns)

17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+

- (n,t*21)
- (n,t*22)
- (n,t*23)
- (n,t*24)
- (n,t*25)
Threshold reactions

Cross section (barns) vs. Energy (MeV)

- (n,t*26)
- (n,t*27)
- (n,t*28)
- (n,t*29)
- (n,t*30)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Threshold reactions

Energy (MeV)

Cross section (barns)

- (n,t*)
- (n,a*1)
- (n,a*2)
- (n,a*3)
- (n,a*4)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Threshold reactions

![Graph showing cross section vs. energy](image)

Cross section (barns)

Energy (MeV)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Threshold reactions

[Graph showing energy vs. cross-section with two curves labeled (n,a*20) and (n,a*c).]
angular distribution for elastic
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for elastic
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*1)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*2)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*3)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*4)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for \((n, n^*5)\)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*6)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*7)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*8)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for \((n,n^9)\)
angular distribution for (n,n*10)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*11)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*12)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*13)
angular distribution for \((n,n^*14)\)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*15)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*16)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*17)
angular distribution for (n,n*18)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*19)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*20)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*21)
angular distribution for (n,n*22)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*23)
angular distribution for \((n,n^{*24})\)
angular distribution for \((n,n^*25)\)
angular distribution for (n,n*26)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*27)
angular distribution for (n,n*28)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*29)
angular distribution for (n,n*30)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Neutron emission for (n,x)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Neutron emission for \((n,n^*)a\)
Neutron emission for (n,n*)p

Prob/MeV

5  10  15  20
Sec. Energy

5  10  15  20
Energy (MeV)
Neutron emission for \((n,n^*)d\)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Neutron emission for (n,n*c)

![3D graph showing neutron emission probability as a function of energy and secondary energy. The x-axis represents energy (MeV) ranging from 5 to 20, the y-axis represents secondary energy (MeV) ranging from 4 to 16, and the z-axis represents probability (Prob/MeV) ranging from $10^{-3}$ to $10^3$. The graph demonstrates distinct peaks at certain energy levels, indicating significant neutron emission at those energies.]
Photon emission for (n,gma)
Photon emission for (n,x)
Photon emission for (n,2n)
Photon emission for \((n,n^*)a\)
Photon emission for (n,n*)p
Photon emission for (n,n*)d

\[ E_\gamma (\text{MeV}) \]

\[ P \text{r/MeV} \]

\[ E_n (\text{MeV}) \]
Photon emission for (n,n*1)
Photon emission for (n,n*2)
Photon emission for (n,n*3)
Photon emission for (n,n*4)
Photon emission for (n,n*5)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Photon emission for (n,n*6)
Photon emission for (n,n*8)
Photon emission for (n,n*9)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Photon emission for (n,n*10)
Photon emission for (n,n*11)
Photon emission for (n,n*12)
Photon emission for (n,n*13)

17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+

Prob/MeV

$E_{\gamma} (\text{MeV})$

$E_n (\text{MeV})$
Photon emission for \((n,n^*14)\)
Photon emission for (n,n*15)
Photon emission for (n,n*16)
Photon emission for (n,n*17)
Photon emission for (n,n*18)
Photon emission for (n,n*19)
Photon emission for \((n,n^*20)\)
Photon emission for (n,n*21)
Photon emission for (n,n*22)
Photon emission for (n,n*23)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Photon emission for (n,n*24)
Photon emission for \((n,n^{*25})\)
Photon emission for (n,n*26)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Photon emission for (n,n*27)
Photon emission for (n,n*28)
Photon emission for \((n,n^{*29})\)
Photon emission for (n,n*30)
Photon emission for (n,n*c)
Photon emission for (n,2p)
Photon emission for (n,pa)
Photon emission for \((n,p^*1)\)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Photon emission for (n,p*2)
Photon emission for (n,p*3)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Photon emission for (n,p*4)
Photon emission for \((n,p^*6)\)
Photon emission for (n,p*7)
Photon emission for \((n,p^*8)\)
Photon emission for (n,p*9)
Photon emission for (n,p*10)
Photon emission for (n,p*11)
Photon emission for (n,p*12)
Photon emission for (n,p*)13

\[ P / \text{MeV} \]

\[ E_{\gamma} (\text{MeV}) \]

\[ E_n (\text{MeV}) \]

\[ \text{Prob/MeV} \]
Photon emission for \((n,p^*14)\)
Photon emission for \((n,p^*15)\)
Photon emission for (n,p*16)
Photon emission for \( (n,p^*17) \)
Photon emission for (n,p*18)
Photon emission for (n,p*19)
Photon emission for (n,p*20)
Photon emission for \( (n,p^*21) \)
Photon emission for (n,p*22)
Photon emission for \((n,p^*23)\)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Photon emission for (n,p*24)
Photon emission for (n,p*25)
Photon emission for \((n,p^*26)\)
Photon emission for \((n,p*27)\)
Photon emission for \((n,p^*28)\)
Photon emission for \((n,p^*29)\)
Photon emission for (n,p*c)
Photon emission for (n,d*1)
Photon emission for (n,d^2)
Photon emission for \((n,d^*3)\)
Photon emission for (n,d*4)
Photon emission for (n,d*5)

\[
\begin{align*}
\text{Prob}/\text{MeV} & \quad 10^{-2} \quad 10^{-1} \quad 10^{0} \quad 10^{1} \\
E_\gamma \ (\text{MeV}) & \quad 0 \quad 2 \quad 4 \quad 6 \quad 8 \quad 10 \quad 12 \quad 14 \quad 16 \quad 18
\end{align*}
\]
Photon emission for (n,d*6)
Photon emission for (n,d*7)
Photon emission for (n,d*8)
Photon emission for (n,d*9)
Photon emission for (n,d*10)
Photon emission for (n,d*11)
Photon emission for (n,d*12)
Photon emission for (n,d*13)
Photon emission for (n,d*14)
Photon emission for (n,d*15)
Photon emission for (n,d*16)
Photon emission for (n,d*17)
Photon emission for (n,d*18)
Photon emission for (n,d*19)
Photon emission for (n,d*20)
Photon emission for (n,d*21)
Photon emission for \((n,d^*22)\)
Photon emission for \((n,d^*23)\)
Photon emission for (n,d*24)
Photon emission for (n,d*25)
Photon emission for \((n, d^*26)\)
Photon emission for (n,d\textsuperscript{*27})
Photon emission for (n,d*28)
Photon emission for (n,d*29)
Photon emission for \((n,d^*30)\)
Photon emission for (n,d*c)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Photon emission for (n,t*1)
Photon emission for (n,t*2)
Photon emission for (n,t*3)
Photon emission for (n,t*4)
Photon emission for (n,t*5)
Photon emission for (n,t*6)
Photon emission for (n,t*7)
Photon emission for (n,t*8)
Photon emission for (n,t*9)
Photon emission for (n,t*10)
Photon emission for (n, t*11)
Photon emission for (n,t*12)
Photon emission for \((n,t*13)\)
Photon emission for (n,t*14)
Photon emission for (n,t*16)
Photon emission for (n,t*17)
Photon emission for (n,t*18)
Photon emission for (n,t*19)
Photon emission for (n,t*20)
Phonon emission for (n,t*21)
Photon emission for (n,t*22)
Photon emission for (n,t*23)
Photon emission for (n,t*24)
Photon emission for (n,t*25)
Photon emission for (n,t*26)
Photon emission for (n,t*27)
Photon emission for (n,t*28)
Photon emission for (n,t*29)
Photon emission for (n,\textit{t}^*30)
Photon emission for (n,t*c)
Photon emission for (n,a*1)
Photon emission for (n,a*2)
Photon emission for (n,a*3)
Photon emission for (n,a*4)
Photon emission for (n,a*5)
Photon emission for (n,a*6)
Photon emission for (n,a*7)
Photon emission for (n,a^8)
Photon emission for (n,a*)9
Photon emission for (n,a*10)
Photon emission for (n,a*11)
Photon emission for (n,a*12)
Photon emission for (n,a*13)
Photon emission for (n,a*14)
Photon emission for (n,a*15)
Photon emission for \((n,a*16)\)
Photon emission for (n,a*17)
Photon emission for (n,a*18)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Photon emission for (n,a*20)
Photon emission for (n,a*c)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ thermal capture photon spectrum
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
14 MeV photon spectrum
Particle heating contributions

Energy (MeV) vs. MeV/collision for different particles:
- Protons
- Deuterons
- Tritons
- Alphas

The graph shows the increase in MeV/collision with energy for each type of particle.
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Recoil Heating

![Graph showing recoil heating as a function of energy (MeV).]
Particle production cross sections

Cross section (barns) vs. Energy (MeV)

- Protons
- Deuterons
- Tritons
- Alphas
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
protons from (n,x)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
protons from (n,n*)p
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
protons from (n,2p)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
protons from (n,pa)
angular distribution for (n,p*0) proton
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,p*1) proton
angular distribution for \((n,p^*2)\) proton

Energy (MeV)

Cosine

Prob/Cos

10^0

10^{-1}

10^{-2}

10^{-3}
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,p*3) proton
angular distribution for (n,p*4) proton
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,p*5) proton
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for \((n,p*6)\) proton

\[
\begin{align*}
\text{Prob/Cos} & \quad 10^{-1} & \quad 10^{0} & \quad 10^{1} \\
\text{Cosine} & \quad 1.0 & \quad 0.5 & \quad 0.0 & \quad -0.5 & \quad -1.0 & \quad 0 \\
\text{Energy (MeV)} & \quad 20 & \quad 40 & \quad 60 & \quad 80 & \quad 100 & \quad 120 & \quad 140 & \quad 160
\end{align*}
\]
angular distribution for (n,p*7) proton
angular distribution for (n,p*8) proton
angular distribution for (n,p*9) proton
angular distribution for (n,p*10) proton
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,p*11) proton
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,p*12) proton
angular distribution for (n,p*13) proton
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,p*14) proton
angular distribution for (n,p*15) proton
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,p*16) proton
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,p*17) proton
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,p*18) proton
angular distribution for (n,p*19) proton
angular distribution for (n,p*20) proton
angular distribution for (n,p^*21) proton
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,p*22) proton

[Diagram showing a 3D plot with axes labeled as follows:
- Cosine
- Energy (MeV)
- Probability/Cosine

The plot shows data points scattered across the 3D space, indicating the angular distribution.]
angular distribution for \((n,p*23)\) proton
angular distribution for \((n,p^*24)\) proton
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,p\*25) proton
angular distribution for (n,p*26) proton
angular distribution for (n,p*27) proton
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,p*28) proton

Prob/Cos

Cosine

1.0 0.5 0.0 -0.5 -1.0 0

Energy (MeV)

10^{-1} 10^{0} 10^{1}

100 80 60 40 20

160 140 120
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for \((n,p^{*29})\) proton
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
protons from (n,p*c)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ deuterons from (n,x)
angular distribution for \((n,d^*0)\) deuteron
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,d*1) deuteron
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,d*2) deuteron
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,d*3) deuteron
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,d*4) deuteron
angular distribution for (n,d*) deuteron
angular distribution for (n,d*6) deuteron
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,d*7) deuteron
angular distribution for (n,d*8) deuteron
angular distribution for \((n,d^*9)\) deuteron
angular distribution for (n,d*10) deuteron
angular distribution for \((n,d*11)\) deuteron
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,d*12) deuteron
angular distribution for \((n,d^*13)\) deuteron
angular distribution for (n,d*14) deuteron
angular distribution for (n,d*15) deuteron
angular distribution for \((n,d^*16)\) deuteron
angular distribution for (n,d*17) deuteron
angular distribution for (n,d*18) deuteron
angular distribution for (n,d*19) deuteron
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,d*20) deuteron
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,d*21) deuteron
angular distribution for \((n, d^*22)\) deuteron
angular distribution for \((n,d^*23)\) deuteron
angular distribution for (n,d*24) deuteron
angular distribution for \((n,d^*25)\) deuteron
angular distribution for \( (n,d^*26) \) deuteron
angular distribution for (n,d*27) deuteron

17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,d*28) deuteron
angular distribution for (n,d*29) deuteron
angular distribution for (n,d*30) deuteron
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
deuterons from (n,d*c)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
tritons from (n,x)
angular distribution for (n,t*0) triton
angular distribution for (n,t*1) triton
angular distribution for \((n,t^*2)\) triton
angular distribution for (n,t*3) triton
angular distribution for (n,t*4) triton
angular distribution for (n,t*5) triton
angular distribution for (n,t*6) triton
angular distribution for (n,t*7) triton
angular distribution for (n,t*8) triton
angular distribution for (n,t*9) triton
angular distribution for (n,t*10) triton
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,t*11) triton
angular distribution for (n,t*12) triton
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,t*13) triton
angular distribution for \((n,t^{*14})\) triton
angular distribution for (n,t*15) triton
angular distribution for (n,t*16) triton
angular distribution for (n,t*17) triton
angular distribution for (n, t*18) triton

Prob|Cos

10.0
1.0
0.1
0.0
-0.1
-1.0

Cosine

Energy (MeV)

20 40 60 80 100 120 140 160
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,t*19) triton

Prob/Cos

Energy (MeV)

Cosine

10^0

10^-1

10^-2

10^-3

10^-4

10^-5

10^-6

10^-7

10^-8

10^-9

10^-10

10^-11
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,t*20) triton
angular distribution for (n,t*21) triton
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,t*22) triton
angular distribution for (n,t*23) triton
angular distribution for \((n,t^*24)\) triton
angular distribution for (n, t*25) triton
angular distribution for (n,t*26) triton
angular distribution for (n,t*27) triton
angular distribution for (n,t*28) triton
angular distribution for (n,t*29) triton
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,t*30) triton

![Angular distribution graph](image-url)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ tritons from (n,t*c)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
alphas from (n,x)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
alphas from (n,n*)a
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
alphas from (n,pa)
angular distribution for \((n,a*0)\) alpha
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for \((n, a^*1)\) alpha
angular distribution for (n,a^2) alpha
angular distribution for (n,a*3) alpha
angular distribution for (n,a*4) alpha
angular distribution for (n,α*5) alpha
angular distribution for (n,a*6) alpha
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for \((n,a^7)\) alpha

\[ P_{\cos} \]

\[ 0.0 \quad 0.5 \quad 1.0 \]

\[ -1.0 \quad -0.5 \quad 0.0 \]

\[ 10^{-1} \quad 10^{0} \quad 10^{1} \]

\[ 0 \quad 20 \quad 40 \quad 60 \quad 80 \quad 100 \quad 120 \quad 140 \quad 160 \]

Energy (MeV)
angular distribution for (n,a*9) alpha
angular distribution for (n,a*10) alpha
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,a*11) alpha
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,a*12) alpha
angular distribution for (n,a*13) alpha
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,a*14) alpha

Prob|Cos
10^0
10^1
Cosine 0.5 1.0 -0.5
Energy (MeV) 20 40 60 80 100 120 140 160
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60
angular distribution for (n,a*15) alpha

Prob/Cos

10^0

10^-1

1.0

0.5

0.0

-0.5

-1.0

0

Cosine

Energy (MeV)

20

40

60

80

100

120

140

160

Energ(y (MeV)
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,a'*16) alpha
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,a*17) alpha
angular distribution for (n,a*18) alpha
angular distribution for (n,a^*19) alpha
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,a*20) alpha
17-CL-35 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
alphas from (n,α*c)