6-C-12 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Principal cross sections

![Graph showing cross sections across different energy levels.](image)
6-C-12 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
resonance total cross section

![Graph showing total cross section vs energy in MeV](image)
6-C-12 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ resonance absorption cross sections
6-C-12 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+

Heating

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

- Heating

log scale for y-axis
6-C-12 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Damage

![Graph showing the relationship between Energy (MeV) and Damage (MeV-barns). The x-axis represents energy in MeV ranging from $10^{-11}$ to $10^1$, and the y-axis represents damage in MeV-barns ranging from $10^{-7}$ to $10^{-1}$. The graph includes a line labeled 'damage'.]
6-C-12 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Non-threshold reactions

Cross section (barns) vs. Energy (MeV)

- (n,gma) reaction

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

Cross section (barns):
- $10^{-5}$ to $10^{-1}$
Principal cross sections

Energy (MeV)

Cross section (barns)

- Total
- Absorption
- Elastic
- Gamma production
6-C-12 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Heating

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

- Heating
6-C-12 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Non-threshold reactions

![Graph showing cross section (barns) vs. Energy (MeV) for the reaction (n,gma).]
6-C-12 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Inelastic levels

Cross section (barns)

Energy (MeV)
6-C-12 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Inelastic levels

Cross section (barns)

Energy (MeV)

- (n,n*6)
- (n,n*7)
- (n,n*8)
- (n,n*9)
- (n,n*10)
6-C-12 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Inelastic levels

![Graph](image_url)

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

![Graph showing cross sections for different inelastic scattering events as a function of energy.]

Energy (MeV)

Cross section (barns)

- (n,n*16)
- (n,n*17)
- (n,n*18)
- (n,n*19)
- (n,n*20)
6-C-12 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Inelastic levels

![Graph showing inelastic cross sections for different energy levels.](image-url)
6-C-12 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Threshold reactions

![Graph showing cross section vs. energy for different reactions]

- (n,x)
- (n,n*c)
- (n,p)
- (n,d)
- (n,a)
6-C-12 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Threshold reactions

Cross section (barns)

Energy (MeV)

(n,xp)
(n,xd)
(n,xt)
(n,xhe3)
(n,xa)
6-C-12 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for elastic
6-C-12 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for elastic
6-C-12 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*1)
6-C-12 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*3)
angular distribution for (n,n*8)
6-C-12 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Neutron emission for (n,x)
6-C-12 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Neutron emission for (n,n*c)
6-C-12 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Photon emission for (n,x)
6-C-12 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
thermal capture photon spectrum
6-C-12 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
14 MeV photon spectrum
Particle heating contributions

Energy (MeV) vs. MeV/collision for various particles:
- Protons
- Deuterons
- Tritons
- He-3
- Alphas
Particle production cross sections

- Protons
- Deuterons
- Tritons
- He-3
- Alphas
6-C-12 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
protons from (n,x)
6-C-12 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
deuterons from (n,x)
6-C-12 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
tritons from (n,x)
6-C-12 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
he3s from (n,x)