50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ resonance total cross section

![Cross section graph](image)

- Energy (MeV)
- Cross section (barns)

- total
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
resonance total cross section

Energy (MeV)

Cross section (barns)

total
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
resonance total cross section
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
resonance total cross section

![Graph showing the total cross section as a function of energy (MeV) on a logarithmic scale. The x-axis represents energy in the range of 10^0 to 10^1 MeV, and the y-axis represents the cross section in barns (10^1 barns). The graph shows a smooth curve.]
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
resonance absorption cross sections

capture

cross section (barns)

Energy (MeV)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
Cross section (barns)

Energy (MeV)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
UR total cross section

Energy (MeV) vs. Cross section (barns) graph.
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
UR elastic cross section

Energy (MeV) vs. Cross section (barns)

- Inf. Dil.
- 100 b
- 1 b
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ UR capture cross section

Cross section (barns) vs Energy (MeV)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Heating

Heating (MeV/reaction)

Energy (MeV)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+

Damage

Energy (MeV)

Damage (MeV-barns)
Non-threshold reactions

- Energy (MeV)
- Cross section (barns)

(n, gma)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
- gamma production

Energy (MeV)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+

Heating

Heating (MeV/reaction)

Energy (MeV)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Damage

Damage (MeV-barns) vs. Energy (MeV) graph.
Non-threshold reactions

50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60

Cross section (barns)

Energy (MeV)

(n,gma)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Inelastic levels

Cross section (barns)

Energy (MeV)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Inelastic levels

![Graph showing cross-sections for different inelastic levels: (n,n*)^26, (n,n*)^27, and (n,n*)^28 against energy in MeV. The graph plots cross-section in barns on the y-axis and energy in MeV on the x-axis.](image-url)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Threshold reactions

![Graph showing cross sections vs. energy for various reactions](image-url)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Threshold reactions

Energy (MeV)

Cross section (barns)

\( (n,a) \)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Threshold reactions

Energy (MeV) vs Cross section (barns)

- (n,xp)
- (n,xd)
- (n,xt)
- (n,xhe3)
- (n,xa)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for elastic
angular distribution for elastic
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*1)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for \((n,n^2)\)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for \((n,n^*3)\)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*4)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*5)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*6)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*7)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*8)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*9)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*10)
angular distribution for (n,n*11)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*12)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*13)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*14)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for \((n,n^*15)\)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*16)
angular distribution for (n,n*17)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*18)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for \((n,n^{*19})\)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*20)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*21)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*22)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for \((n,n*23)\)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for \((n,n*24)\)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*25)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for \((n,n^*26)\)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*27)
angular distribution for \((n,n^{*28})\)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Neutron emission for (n,x)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Neutron emission for (n,2n)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Neutron emission for (n,3n)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Neutron emission for \((n,n^*)a\)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Neutron emission for \((n,n^*)p\)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Neutron emission for (n,n*c)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Photon emission for \((n,x)\)
Photon emission for (n,2n)
Photon emission for (n,3n)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Photon emission for (n,n*)a
Photon emission for \((n,n^*)p\)
Photon emission for (n,n*1)
Photon emission for (n,n\(^*\)2)
Photon emission for (n,n*3)
50-SN-122 FOR FENDL-3.2 FROM FENDL 3.2 BY NJOY2016.60+
Photon emission for (n,n*5)
Photon emission for (n,n*6)
Photon emission for \((n,n^*7)\)
Photon emission for (n,n*9)
50-SN-122 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)
Photon emission for (n,n*14)
Photon emission for (n,n*15)
Photon emission for (n,n^*16)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Photon emission for \((n,n'17)\)
Photon emission for \((n,n^{*}18)\)
Photon emission for \((n,n^{*}19)\)

\[
\text{Prob/MeV vs } E_\gamma (\text{MeV}) \text{ vs } E_n (\text{MeV})
\]
Photon emission for (n,n*20)
Photon emission for (n,n*21)
Photon emission for (n,n*22)
Photon emission for \((n,n^{*23})\)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Photon emission for (n,n*24)
Photon emission for (n,n*25)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Photon emission for (n,n*26)
Photon emission for (n,n*27)
Photon emission for (n,n*28)
Photon emission for (n,n^*c)
Photon emission for (n,gma)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
thermal capture photon spectrum
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
14 MeV photon spectrum
Particle heating contributions

- protons
- deuterons
- tritons
- he-3
- alphas
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Recoil Heating

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

- Heating (MeV/reaction)
- Energy (MeV)

Graph showing the heating as a function of energy with a trend line labeled "recoil heating".
Particle production cross sections

Energy (MeV)

Cross section (barns)

protons
deuterons
tritons
he-3
alphas

Energy (MeV)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
protons from (n,x)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
protons from (n,n*)p
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
deuterons from (n,x)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
tritons from (n,x)
50-SN-122 FOR FENDL-3.2 FROM FENDL 3.2 BY NJOY2016.60+
aphas from (n,x)
50-SN-122 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
alphas from (n,n*)a