50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
resonance total cross section
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
resonance total cross section
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
resonance total cross section

Cross section (barns)

Energy (MeV)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
resonance absorption cross sections

[Graph showing the capture cross section as a function of energy (MeV), with the y-axis in a logarithmic scale from $10^{-2}$ to $10^{3}$ barns and the x-axis from $10^{-4}$ to $10^{-3}$ MeV.]
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
resonance absorption cross sections

Capture cross section as a function of energy.
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
resonance absorption cross sections

Capture cross section as a function of energy (MeV).
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
UR total cross section

![Graph showing cross section as a function of energy.](image-url)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
UR elastic cross section
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
UR capture cross section

![Graph showing cross section versus energy](image_url)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+

Heating

Heating (MeV/reaction)

Energy (MeV)

Graph showing the relationship between heating (MeV/reaction) and energy (MeV).
Damage vs. Energy (MeV)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Principal cross sections

Energy (MeV)

Cross section (barns)

total
absorption
elastic
gamma production
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Heating

Energy (MeV)

Heating (MeV/reaction)

0 50 100 150 200

0 10 20 30 40 50

heating
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Damage

![Graph showing the relationship between energy (MeV) and damage (MeV-barns). The damage increases with energy, reaching a peak around 50 MeV before decreasing and then increasing again.](image-url)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ Non-threshold reactions
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Inelastic levels

Energy (MeV)
0.0 0.2 0.4 0.6 0.8 1.0

Cross section (barns)
0.0 0.2 0.4 0.6 0.8 1.0

Energy (MeV)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Inelastic levels

Cross section (barns)

Energy (MeV)

(n,n*11)
(n,n*12)
(n,n*13)
(n,n*14)
(n,n*15)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+

Inelastic levels

Energy (MeV)

Cross section (barns)

2 4 6 8 10 12 14 16 18 20

0 5 10 15 20 25 30 35 40

*10^-3

(n,n\*31)

(n,n\*32)

(n,n\*33)

(n,n\*34)

(n,n\*35)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Inelastic levels

Energy (MeV) vs. Cross section (barns) graph for (n,n*36) reaction.
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Threshold reactions

Cross section (barns)

Energy (MeV)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Threshold reactions

Cross section (barns)

Energy (MeV)
50-SN-114 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 reactions (n,xp), (n,xd), (n,xt), and (n,xhe3).
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for elastic
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for elastic
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*1)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*2)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*3)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*4)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for \((n,n*5)\)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*6)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*7)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for \((n,n*8)\)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*9)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for \( (n,n*10) \)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*11)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*12)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*13)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*14)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*15)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*16)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*17)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*18)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*19)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*20)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*21)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*22)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*23)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*24)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*25)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*26)
angular distribution for \((n,n*27)\)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for $(n,n*28)$
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*29)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for \((n,n^{*}30)\)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*31)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*32)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*33)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*34)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for \((n,n^*35)\)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
angular distribution for (n,n*36)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Neutron emission for (n,x)
Neutron emission for (n,n*)a
Neutron emission for (n,n*)p
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Neutron emission for (n,n*)d

![Graph showing neutron emission probabilities and energies.](image)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+

Neutron emission for (n,n*c)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Photon emission for (n,x)
Photon emission for (n,2n)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Photon emission for (n,3n)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Photon emission for \((n,n^*)a\)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Photon emission for (n,n*)p

![Graph showing photon emission for (n,n*)p](image)
Photon emission for (n,n*)d
Photon emission for (n,n*1)
Photon emission for (n,n*2)
Photon emission for \((n,n^*3)\)
Photon emission for \((n,n^*4)\)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Photon emission for (n,n^*5)
Photon emission for (n,n*6)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Photon emission for \((n,n^*7)\)
Photon emission for \((n,n^*8)\)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Photon emission for (n,n*9)
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)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Photon emission for (n,n*15)
Photon emission for \((n,n'*16)\)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Photon emission for (n,n*17)
Photon emission for (n,n*18)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Photon emission for (n,n*19)
Photon emission for (n,n*20)
Photon emission for (n,n*21)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Photon emission for (n,n*22)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Photon emission for \((n,n^\ast 23)\)
50-SN-114 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 \((n,n^*27)\)
Photon emission for (n,n*28)
Photon emission for $(n,n^{*29})$
Photon emission for \((n, n^*30)\)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Photon emission for (n,n*31)
Photon emission for (n,n*32)
Photon emission for \((n,n^{*33})\)
Photon emission for (n,n*34)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Photon emission for (n,n*35)
Photon emission for (n,n\*36)
Photon emission for (n,n*c)
Photon emission for (n,gma)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
thermal capture photon spectrum
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
14 MeV photon spectrum
Particle heating contributions

Energy (MeV) vs. MeV/collision

- protons
- deuterons
- tritons
- he-3
- alphas
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
Recoil Heating

![Graph showing recoil heating vs. energy (MeV).](image-url)
Particle production cross sections

- Protons
- Deuterons
- Tritons
- He-3
- Alphas

Energy (MeV)

Cross section (barns)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
protons from (n,x)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
protons from (n,n*)p
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ deuterons from (n,x)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
deuterons from (n,n*)d
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ tritons from (n,x)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
he3s from (n,x)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
alphas from (n,x)
50-SN-114 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+
alphas from (n,n*)a