78-PT-192 FOR FENDL-3.2 PROCESSED BY NJOY2016.60+
resonance total cross section

Cross section (barns)

Energy (MeV)

total
Resonance total cross section

Energy (MeV)

Cross section (barns)

-10^5 -10^-4
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resonance total cross section

Cross section (barns)

Energy (MeV)
78-PT-192 FOR FENDL-3.2 PROCESSED BY NJOY2016.60+
resonance total cross section

Energy (MeV)

Cross section (barns)

total
78-PT-192 FOR FENDL-3.2 PROCESSED BY NJOY2016.60+
resonance total cross section

Cross section (barns)

Energy (MeV)
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resonance absorption cross sections

Capture cross section as a function of energy (MeV).

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

The graph shows a linear decrease in cross section with increasing energy.
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resonance absorption cross sections

Capture cross section as a function of energy (MeV).
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resonance absorption cross sections
78-PT-192 FOR FENDL-3.2 PROCESSED BY NJOY2016.60+ resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
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resonance absorption cross sections

capture
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Heating

Energy (MeV)

Heating (MeV/reaction)
Principal cross sections

Cross section (barns)

Energy (MeV)

- total
- absorption
- elastic
- gamma production
Non-threshold reactions

Cross section (barns) vs. Energy (MeV)

- (n,gma)
- (n,a)
- (n,xa)
Inelastic levels

Cross section (barns) vs. Energy (MeV)

Lines and Colors:
- (n,n*1)
- (n,n*2)
- (n,n*3)
- (n,n*4)
- (n,n*5)
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Inelastic levels

Energy (MeV)

Cross section (barns)

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

Energy (MeV)
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Inelastic levels

Cross section (barns)

Energy (MeV)

(n,n*16)
(n,n*17)
(n,n*18)
(n,n*19)
Threshold reactions

The graph shows the cross-sections for various reactions as a function of energy (MeV). The x-axis represents energy in MeV, ranging from 0 to 20, and the y-axis represents the cross-section in barns, ranging from 0 to 2.5. The graph includes lines for different reactions:

- (n,n*)p
- (n,n*)d
- (n,n*)t
- (n,2np)
- (n,n*c)
angular distribution for elastic
angular distribution for elastic
angular distribution for (n,n*1)
angular distribution for (n,n*2)
angular distribution for $(n,n^3)$
angular distribution for (n,n*6)
angular distribution for (n,n*7)
angular distribution for (n,n*8)
angular distribution for (n,n*9)
angular distribution for \((n,n^*10)\)
angular distribution for (n,n*11)
angular distribution for (n,n*12)
angular distribution for \((n,n^{*13})\)
angular distribution for (n,n*14)
angular distribution for \((n,n^{*15})\)
angular distribution for (n,n*16)
angular distribution for (n,n*17)
angular distribution for (n,n*18)
angular distribution for (n,n*19)
78-PT-192 FOR FENDL-3.2 PROCESSED BY NJOY2016.60+
Neutron emission for \((n,x)\)
Neutron emission for (n,2n)
Neutron emission for (n,3n)
Neutron emission for \((n,n^*)a\)
Neutron emission for (n,2n)a
Neutron emission for \((n,n^*)d\)
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Neutron emission for (n,n*)t
Neutron emission for (n,2np)
78-PT-192 FOR FENDL-3.2 PROCESSED BY NJOY2016.60+
Neutron emission for (n,n*c)
Photon emission for (n,3n)
Photon emission for \((n,n^*)a\)
Photon emission for (n,2n)a
Photon emission for (n,n*)p
Photon emission for \((n,n^*)d\)
Photon emission for \((n,n^*)t\)
Photon emission for (n,2np)
Photon emission for (n,n*c)
Photon emission for (n,gma)
Photon emission for \((n,p^*c)\)
Photon emission for (n,a*c)
78-PT-192 FOR FENDL-3.2 PROCESSED BY NJOY2016.60+
thermal capture photon spectrum
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14 MeV photon spectrum
Particle heating contributions

- protons
- deuterons
- tritons
- he-3
- alphas

Energy (MeV) vs. MeV/collision
Particle production cross sections

Cross section (barns) vs. Energy (MeV)

- Protons
- Deuterons
- Tritons
- He-3
- Alphas
78-PT-192 FOR FENDL-3.2 PROCESSED BY NJOY2016.60+
protons from (n,x)
78-PT-192 FOR FENDL-3.2 PROCESSED BY NJOY2016.60+
protons from (n,n*)p
78-PT-192 FOR FENDL-3.2 PROCESSED BY NJOY2016.60+
protons from (n,p*c)
78-PT-192 FOR FENDL-3.2 PROCESSED BY NJOY2016.60+ deuterons from (n,x)
deuterons from (n,n*)d
78-PT-192 FOR FENDL-3.2 PROCESSED BY NJOY2016.60+
tritons from (n,n*)t
78-PT-192 FOR FENDL-3.2 PROCESSED BY NJOY2016.60+
he3s from (n,x)
78-PT-192 FOR FENDL-3.2 PROCESSED BY NJOY2016.60+ alphas from (n,x)
78-PT-192 FOR FENDL-3.2 PROCESSED BY NJOY2016.60+ alphas from (n,n*)a
78-PT-192 FOR FENDL-3.2 PROCESSED BY NJOY2016.60+
alphas from (n,2n)a

Prob/MeV

Energy (MeV)

Sec. Energy
78-PT-192 FOR FENDL-3.2 PROCESSED BY NJOY2016.60+
angular distribution for (n,a*0) alpha
angular distribution for (n,a*1) alpha
angular distribution for (n,a*) alpha
angular distribution for (n,a*4) alpha
angular distribution for (n,a*) alpha
angular distribution for \((n,a^*6)\) alpha

Energy (MeV)

Cosine

Probl/Cos
angular distribution for \( (n,a^7) \) alpha

\[ \text{Probl/Cos} \]

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

\[ \text{Cosine} \]
angular distribution for \( n, a^8 \) alpha

- Energy (MeV)
- Cosine
- \( \text{Prob}/\cos \)
angular distribution for (n,a^9) alpha
angular distribution for (n,a*10) alpha
78-PT-192 FOR FENDL-3.2 PROCESSED BY NJOY2016.60+
alphas from (n,a*c)