ENDF/B-VI LI-7
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
- gamma production

Energy (MeV)
ENDF/B-VI LI-7
Heating

Energy (MeV) vs Heating (MeV/reaction)

- Heating graph showing the relationship between energy and heating.
ENDF/B-VI LI-7
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
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Inelastic levels

Cross section (barns) vs. Energy (MeV)

- (n,n*6)
- (n,n*7)
- (n,n*8)
- (n,n*9)
- (n,n*10)
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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)
ENDF/B-VI LI-7
Inelastic levels

Cross section (barns) vs Energy (MeV) graph for (n,n*) reactions.
ENDF/B-VI LI-7
Threshold reactions

Energy (MeV)

Cross section (barns)

(n,xp)
(n,xd)
(n,xt)
(n,xa)
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angular distribution for elastic
ENDF/B-VI LI-7
angular distribution for (n,2n)
ENDF/B-VI LI-7
angular distribution for (n,2n)a
ENDF/B-VI LI-7
angular distribution for (n,3n)a
ENDF/B-VI LI-7
angular distribution for (n,n*1)
ENDF/B-VI LI-7
angular distribution for (n,n*2)
ENDF/B-VI LI-7
angular distribution for (n,n^*3)
ENDF/B-VI LI-7
angular distribution for (n,n*4)
ENDF/B-VI LI-7
angular distribution for (n,n*5)
ENDF/B-VI LI-7
angular distribution for (n,n*6)
ENDF/B-VI LI-7
angular distribution for (n,n*7)
ENDF/B-VI LI-7
angular distribution for (n,n*8)
ENDF/B-VI LI-7
angular distribution for (n,n*9)
ENDF/B-VI LI-7
angular distribution for (n,n^*10)
ENDF/B-VI LI-7
angular distribution for (n,n*11)
ENDF/B-VI LI-7
angular distribution for (n,n*12)
ENDF/B-VI LI-7
angular distribution for (n,n*13)
ENDF/B-VI LI-7
angular distribution for (n,n^*14)
ENDF/B-VI LI-7
angular distribution for (n,n*15)
ENDF/B-VI LI-7
angular distribution for (n,n*16)
ENDF/B-VI LI-7
angular distribution for (n,n\*17)
ENDF/B-VI LI-7
angular distribution for (n,n*18)
ENDF/B-VI LI-7
angular distribution for (n,n*19)
ENDF/B-VI LI-7
angular distribution for (n,n*20)
ENDF/B-VI LI-7
angular distribution for (n,n*21)
ENDF/B-VI Li-7
Neutron emission for (n,2n)
ENDF/B-VI LI-7
Neutron emission for (n,2n)a

Energy (MeV)

Secondary Energy

Probability

$10^{-1}$

$10^{-3}$
ENDF/B-VI LI-7
Neutron emission for (n,3n)a
ENDF/B-VI LI-7
thermal capture photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)
ENDF/B-VI LI-7
14 MeV photon spectrum