ENDF/B-VII.1 ZR-90
resonance total cross section
ENDF/B-VII.1 ZR-90
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 ZR-90
resonance absorption cross sections
ENDF/B-VII.1 ZR-90
UR total cross section

Energy (MeV)

Cross section (barns)

- Inf. Dil.
- 100 b
- 1 b

Energy (MeV)
ENDF/B-VII.1 ZR-90
UR elastic cross section
ENDF/B-VII.1 ZR-90
UR capture cross section

Energy (MeV)

Cross section (barns)

- Inf. Dil.
- 100 b
- 1 b

Energy (MeV)
ENDF/B-VII.1 ZR-90
Damage

Energy (MeV) vs. Damage (MeV-barns) graph.
ENDF/B-VII.1 ZR-90
Non-threshold reactions

Energy (MeV)

Cross section (barns)

\( \text{(n,gma)} \)
ENDF/B-VII.1 ZR-90
Threshold reactions

Cross section (barns)

Energy (MeV)

(n,x)
(n,2n)
(n,n*)a
(n,n*)p
(n,n*c)
ENDF/B-VII.1 ZR-90
Threshold reactions

Energy (MeV)

Cross section (barns)

- (n,p)
- (n,d)
- (n,t)
- (n,a)
- (n,pa)
ENDF/B-VII.1 ZR-90
Threshold reactions

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 ZR-90
Threshold reactions

Energy (MeV)

Cross section (barns)

(n,p*5)
(n,p*6)
(n,p*7)
(n,p*8)
(n,p*9)
ENDF/B-VII.1 ZR-90
Threshold reactions

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 ZR-90
Threshold reactions

Energy (MeV)

Cross section (barns)

(n,a*7)
(n,a*8)
(n,a*c)
ENDF/B-VII.1 ZR-90 angular distribution for elastic
ENDF/B-VII.1 ZR-90
angular distribution for (n,n*1)
ENDF/B-VII.1 ZR-90
angular distribution for (n, n*2)
ENDF/B-VII.1 ZR-90 angular distribution for (n,n*3)
ENDF/B-VII.1 ZR-90
angular distribution for (n,n\*4)
ENDF/B-VII.1 ZR-90
angular distribution for (n,n*5)
ENDF/B-VII.1 ZR-90
angular distribution for (n,n*6)
ENDF/B-VII.1 ZR-90
angular distribution for (n,n*7)
ENDF/B-VII.1 ZR-90
angular distribution for (n,n*8)
ENDF/B-VII.1 ZR-90
angular distribution for (n,n*9)
ENDF/B-VII.1 ZR-90
Neutron emission for (n,x)
ENDF/B-VII.1 ZR-90
Neutron emission for (n,2n)
ENDF/B-VII.1 ZR-90
Neutron emission for \((n,n^*)a\)
ENDF/B-VII.1 ZR-90
Neutron emission for \((n,n^\ast)p\)
ENDF/B-VII.1 ZR-90
Neutron emission for (n,n*c)
ENDF/B-VII.1 ZR-90
Photon emission for (n,x)
ENDF/B-VII.1 ZR-90
Photon emission for (n,2n)
ENDF/B-VII.1 ZR-90
Photon emission for (n,n*)a
ENDF/B-VII.1 ZR-90
Photon emission for (n,n*)p
ENDF/B-VII.1 ZR-90
Photon emission for (n,n*c)
ENDF/B-VII.1 ZR-90
Photon emission for (n, gma)
ENDF/B-VII.1 ZR-90
Photon emission for \((n,t)\)
ENDF/B-VII.1 ZR-90
Photon emission for (n,pa)
ENDF/B-VII.1 ZR-90
Photon emission for (n,p*c)
ENDF/B-VII.1 ZR-90
Photon emission for (n,a*c)
ENDF/B-VII.1 ZR-90 thermal capture photon spectrum
ENDF/B-VII.1 ZR-90
Particle heating contributions

Energy (MeV) vs. 
MeV/collision

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

Energy (MeV) range: 2 to 20
ENDF/B-VII.1 ZR-90
protons from (n,x)
ENDF/B-VII.1 ZR-90
protons from \((n,n^*)p\)
ENDF/B-VII.1 ZR-90
protons from (n,pa)
ENDF/B-VII.1 ZR-90
angular distribution for (n,p*0) proton
ENDF/B-VII.1 ZR-90
angular distribution for (n,p*1) proton
ENDF/B-VII.1 ZR-90
angular distribution for \((n,p^*2)\) proton
ENDF/B-VII.1 ZR-90 angular distribution for (n,p*3) proton
ENDF/B-VII.1 ZR-90
angular distribution for (n,p*4) proton
ENDF/B-VII.1 ZR-90
angular distribution for (n,p*5) proton
ENDF/B-VII.1 ZR-90
angular distribution for (n,p*6) proton
ENDF/B-VII.1 ZR-90 angular distribution for (n,p*7) proton
ENDF/B-VII.1 ZR-90
angular distribution for (n,p*8) proton
ENDF/B-VII.1 ZR-90
angular distribution for (n,p*9) proton
ENDF/B-VII.1 ZR-90 angular distribution for (n,p*10) proton
ENDF/B-VII.1 ZR-90
angular distribution for (n,p*11) proton
ENDF/B-VII.1 ZR-90 protons from (n,p*c)
ENDF/B-VII.1 ZR-90 deuterons from (n,x)
ENDF/B-VII.1 ZR-90
deuterons from (n,d)
ENDF/B-VII.1 ZR-90 tritons from (n,t)
ENDF/B-VII.1 ZR-90
he3s from (n,x)
ENDF/B-VII.1 ZR-90
alphas from (n,x)
ENDF/B-VII.1 ZR-90 alphas from (n,n*)a
ENDF/B-VII.1 ZR-90 alphas from (n,pa)
ENDF/B-VII.1 ZR-90
angular distribution for (n,a*0) alpha
ENDF/B-VII.1 ZR-90
angular distribution for (n,a*1) alpha
ENDF/B-VII.1 ZR-90
angular distribution for (n, a*3) alpha
ENDF/B-VII.1 ZR-90
angular distribution for (n,a*5) alpha
ENDF/B-VII.1 ZR-90
angular distribution for (n,a*6) alpha
ENDF/B-VII.1 ZR-90
angular distribution for (n,a*7) alpha
ENDF/B-VII.1 ZR-90
angular distribution for (n,a^8) alpha
ENDF/B-VII.1 ZR-90 alphas from (n,a*c)