ENDF/B-V SI-NATA
resonance total cross section
ENDF/B-V SI-NATA resonance total cross section
ENDF/B-V SI-NATA
resonance total cross section

Energy (MeV)

Cross section (barns)

Total

Energy (MeV)
ENDF/B-V SI-NATA
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-V SI-NATA
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-V SI-NATA
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-V SI-NATA

Heating

Energy (MeV) vs. Heating (MeV/reaction)
ENDF/B-V SI-NATA
Non-threshold reactions

Cross section (barns)

Energy (MeV)
ENDF/B-V SI-NATA
Inelastic levels

Cross section (barns) vs. Energy (MeV)

- Black line: (n,n\*21)
- Red line: (n,n\*22)

Energy (MeV): 8 to 20
Cross section (barns): *10^-3 to *10^0
ENDF/B-V SI-NATA
Threshold reactions

Cross section (barns) vs Energy (MeV)

- (n,2n)
- (n,n*)a
- (n,n*)p
- (n,n*c)
- (n,p)
ENDF/B-V SI-NATA
Threshold reactions

Cross section (barns) vs. Energy (MeV)

- (n,p*2)
- (n,p*3)
- (n,p*4)
- (n,p*5)
- (n,p*6)
ENDF/B-V SI-NATA Threshold reactions

Cross section (barns)

Energy (MeV)

(n,a*0)
(n,a*1)
(n,a*2)
(n,a*3)
(n,a*4)
ENDF/B-V SI-NATA
Threshold reactions

Energy (MeV)

Cross section (barns)

- (n,a*5)
- (n,a*6)
- (n,a*7)
- (n,a*8)
- (n,a*9)
ENDF/B-V SI-NATA angular distribution for elastic
ENDF/B-V SI-NATA
angular distribution for (n,n*1)
ENDF/B-V SI-NATA
angular distribution for \((n,n^*2)\)
ENDF/B-V SI-NATA
angular distribution for (n,n*3)
ENDF/B-V SI-NATA
angular distribution for (n,n^*4)
ENDF/B-V SI-NATA angular distribution for (n,n*5)
ENDF/B-V SI-NATA
angular distribution for (n,n*6)
ENDF/B-V SI-NATA angular distribution for (n,n*7)
ENDF/B-V SI-NATA
angular distribution for (n,n*8)
ENDF/B-V SI-NATA
angular distribution for (n,n*9)

Prob/Cos

10^0

1.0  0.5  0.0 -0.5 -1.0

Cosine

4  6  8  10  12  14  16  18  20

Energy (MeV)
ENDF/B-V SI-NATA angular distribution for \((n,n*10)\)
ENDF/B-V SI-NATA
angular distribution for (n,n*11)
ENDF/B-V SI-NATA
angular distribution for (n,n*12)
ENDF/B-V SI-NATA
angular distribution for (n,n*13)
ENDF/B-V SI-NATA
angular distribution for (n,n*14)
ENDF/B-V SI-NATA angular distribution for (n,n*15)
ENDF/B-V SI-NATA
angular distribution for (n,n*16)
ENDF/B-V SI-NATA
angular distribution for \((n,n^{*17})\)
ENDF/B-V SI-NATA
angular distribution for (n,n*18)
ENDF/B-V SI-NATA
angular distribution for (n,n*19)
ENDF/B-V SI-NATA
angular distribution for (n,n*20)
ENDF/B-V SI-NATA
angular distribution for (n,n*21)
ENDF/B-V SI-NATA
angular distribution for (n,n*22)
ENDF/B-V SI-NATA
Neutron emission for \((n,n^*)a\)
ENDF/B-V SI-NATA
Neutron emission for \((n, n^*)p\)
ENDF/B-V SI-NATA
Neutron emission for \((n,n^*c)\)
ENDF/B-V SI-NATA
Photon emission for inelastic
ENDF/B-V SI-NATA
Photon emission for \((n,n^*)a\)
ENDF/B-V SI-NATA
Photon emission for (n,n*)p
ENDF/B-V SI-NATA
Photon emission for (n,p)
ENDF/B-V SI-NATA
Photon emission for (n,a)
ENDF/B-V SI-NATA thermal capture photon spectrum
ENDF/B-V SI-NATA
14 MeV photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)
ENDF/B-V SI-NATA
Recoil Heating

Heating (MeV/reaction)

Energy (MeV)
ENDF/B-V SI-NATA
Particle production cross sections

Cross section (barns)

Energy (MeV)

- tritons
- he-3
ENDF/B-V SI-NATA
angular distribution for (n,p*0) triton
ENDF/B-V SI-NATA
angular distribution for (n,p*1) triton
ENDF/B-V SI-NATA
angular distribution for (n,p*2) triton
ENDF/B-V SI-NATA
angular distribution for (n,p*3) triton
ENDF/B-V SI-NATA
angular distribution for (n,p*4) triton
ENDF/B-V SI-NATA
angular distribution for (n,p*5) triton
ENDF/B-V SI-NATA angular distribution for (n,p*6) triton
ENDF/B-V SI-NATA
angular distribution for (n,p*7) triton
ENDF/B-V SI-NATA
angular distribution for (n,p*8) triton
ENDF/B-V SI-NATA
angular distribution for (n,p*9) triton
ENDF/B-V SI-NATA
angular distribution for (n,p*10) triton
ENDF/B-V SI-NATA
angular distribution for (n,p*11) triton
ENDF/B-V SI-NATA angular distribution for (n,p*12) triton
ENDF/B-V SI-NATA
angular distribution for (n,p*13) triton
ENDF/B-V SI-NATA
angular distribution for (n,p*14) triton
ENDF/B-V SI-NATA
angular distribution for (n,p*c) triton
ENDF/B-V SI-NATA
angular distribution for (n,p*c)x triton
ENDF/B-V SI-NATA
angular distribution for (n,a*0) 3he
ENDF/B-V SI-NATA
angular distribution for (n,a*1) 3he
ENDF/B-V SI-NATA
angular distribution for \((n,a^{*2})\) 3he
ENDF/B-V SI-NATA
angular distribution for (n,a*3) 3he
ENDF/B-V SI-NATA
angular distribution for (n,a^4) 3he
ENDF/B-V SI-NATA
angular distribution for (n,a^5) 3he
ENDF/B-V SI-NATA
angular distribution for (n,a*6) 3he
ENDF/B-V SI-NATA
angular distribution for (n,a*7) 3he
 ENDF/B-V SI-NATA
angular distribution for (n,a*8) 3he

Energy (MeV)

Cosine

Prob|Cos

10^0

1.0 0.5 0.0 -0.5 -1.0
ENDF/B-V SI-NATA
angular distribution for (n,a*9) 3he
ENDF/B-V SI-NATA
angular distribution for (n,a*10) 3he
ENDF/B-V SI-NATA
angular distribution for (n,a*11) 3he
ENDF/B-V SI-NATA
angular distribution for (n,a*c) 3he