ENDF/B-V F-19A
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
- gamma production

Energy (MeV)

-11
-10
-9
-8
-7
-6
-5
-4
-3
-2
-1
0
1
2
ENDF/B-V F-19A
resonance total cross section

Energy (MeV) x 10^{-2} x 10^{-1}

Cross section (barns) x 10^{-1} x 10^{1} x 10^{2}

total
ENDF/B-V F-19A
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-V F-19A
resonance absorption cross sections

capture
ENDF/B-V F-19A
resonance absorption cross sections

capture
ENDF/B-V F-19A
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-V F-19A
Non-threshold reactions

Cross section (barns) vs. Energy (MeV)
ENDF/B-V F-19A
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
- gamma production

Energy (MeV)
ENDF/B-V F-19A
Damage

Energy (MeV)

Damage (MeV-barns)
ENDF/B-V F-19A
Inelastic levels

Cross section (barns)

Energy (MeV)
ENDF/B-V F-19A
Inelastic levels

Cross section (barns)

Energy (MeV)

(n,n*11)
(n,n*12)
(n,n*13)
(n,n*14)
(n,n*15)
ENDF/B-V F-19A
Inelastic levels

![Graph showing inelastic levels with different cross sections as a function of energy.](image-url)
ENDF/B-V F-19A
angular distribution for elastic
ENDF/B-V F-19A
angular distribution for (n,n*1)
ENDF/B-V F-19A
angular distribution for (n,n*2)
ENDF/B-V F-19A
angular distribution for (n,n*3)
ENDF/B-V F-19A
angular distribution for (n,n^4)
ENDF/B-V F-19A
angular distribution for \((n,n^*5)\)
ENDF/B-V F-19A
angular distribution for (n,n*6)
ENDF/B-V F-19A
angular distribution for (n,n*7)
ENDF/B-V F-19A
angular distribution for (n,n*8)
ENDF/B-V F-19A
angular distribution for (n,n*9)
ENDF/B-V F-19A
angular distribution for (n,n*10)
ENDF/B-V F-19A
angular distribution for (n,n*11)
ENDF/B-V F-19A
angular distribution for \((n,n^\ast 12)\)
ENDF/B-V F-19A
angular distribution for (n,n*13)
ENDF/B-V F-19A
angular distribution for (n,n*14)
ENDF/B-V F-19A
angular distribution for (n,n*15)
ENDF/B-V F-19A
angular distribution for (n,n*16)
ENDF/B-V F-19A
angular distribution for \((n,n^\ast 17)\)
ENDF/B-V F-19A
angular distribution for \(\text{(n,n}^*\text{18)}\)
ENDF/B-V F-19A
angular distribution for (n,n*19)
ENDF/B-V F-19A
angular distribution for (n,n*20)
ENDF/B-V F-19A
angular distribution for (n,n*21)
ENDF/B-V F-19A
Neutron emission for (n,2n)
ENDF/B-V F-19A
Neutron emission for (n,n*)a
ENDF/B-V F-19A
Neutron emission for (n,n*)p

![Graph showing neutron emission for (n,n*)p]
ENDF/B-V F-19A
Neutron emission for \((n, n^* c)\)
ENDF/B-V F-19A
Photon emission for (n,gma)
ENDF/B-V F-19A
thermal capture photon spectrum

Gamma Prod (barns/MeV)

Gamma Energy (MeV)
ENDF/B-V F-19A
14 MeV photon spectrum