ENDF/B-VII ER-166
Principal cross sections

Cross section (barns)

Energy (MeV)

total
absorption
elastic
gamma production
ENDF/B-VII ER-166
resonance total cross section
ENDF/B-VII ER-166
resonance total cross section

Energy (MeV)

Cross section (barns)

total
ENDF/B-VII ER-166
resonance total cross section

Energy (MeV)

Cross section (barns)

total
ENDF/B-VII ER-166
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VII ER-166
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VII ER-166
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VII ER-166
Damage

![Graph showing damage as a function of energy. The x-axis represents energy in MeV, ranging from $10^{-11}$ to $10^1$. The y-axis represents damage in MeV-barns, ranging from $10^{-6}$ to $10^1$. The graph includes a line labeled "damage." The damage values are represented in a log-log scale.]
ENDF/B-VII ER-166
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
ENDF/B-VII ER-166
Principal cross sections

Graph showing cross sections as a function of energy (MeV) for total, absorption, elastic, and gamma production.
ENDF/B-VII ER-166

Inelastic levels

Cross section (barns)

Energy (MeV)
ENDF/B-VII ER-166
Threshold reactions

- (n,xp)
- (n,xd)
- (n,xt)
- (n,xa)

Energy (MeV)
Cross section (barns)
ENDF/B-VII ER-166
angular distribution for (n,n2)
ENDF/B-VII.1 ER-166
angular distribution for (n,n'3)

Energy (MeV)

Cosine

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0

8 10 12 14 16 18 20

0.0 -0.5 -1.0
angular distribution for (n,n^4)
ENDF/B-VII ER-166 angular distribution for (n,n^*5)
ENDF/B-VII ER-166
angular distribution for (n,n*7)
ENDF/B-VII ER-166
angular distribution for (n,n*8)
ENDF/B-VII ER-166
angular distribution for (n,n*9)
ENDF/B-VII ER-166
angular distribution for \((n,n^*10)\)
ENDF/B-VII ER-166
angular distribution for (n, n*11)
ENDF/B-VII ER-166
angulor distribution for (n,n*14)
ENDF/B-VII ER-166
angular distribution for (n,n*15)
ENDF/B-VII ER-166
angular distribution for (n,n*16)
ENF/B-VII ER-166
angular distribution for (n,n*18)
ENDF/B-VII ER-166
angular distribution for (n,n*19)
ENDF/B-VII ER-166
angular distribution for (n,n*21)
ENDF/B-VII ER-166
angular distribution for (n,n*22)
ENDF/B-VII ER-166
angular distribution for (n,n*24)

Energy (MeV)
ENDF/B-VII ER-166
angular distribution for (n,n*c)
ENDF/B-VII ER-166
Neutron emission for (n,2n)
ENDF/B-VII ER-166
Neutron emission for (n,3n)
ENDF/B-VII ER-166
Neutron emission for \((n,n^*)a\)
ENDF/B-VII ER-166
Neutron emission for \((n,n^*)p\)
ENDF/B-VII ER-166
Neutron emission for (n,n*)d
ENDF/B-VII ER-166
Neutron emission for (n,n*c)
ENDF/B-VII ER-166
Photon emission for (n,2n)
ENDF/B-VII ER-166
Photon emission for (n,3n)
ENDF/B-VII ER-166
Photon emission for \((n, n^*)a\)
ENDF/B-VII ER-166
Photon emission for \((n,n^*)p\)
Endf/B-VII ER-166
Photon emission for (n,n^c)
ENDF/B-VII ER-166
Photon emission for (n,gma)
ENDF/B-VII ER-166
Photon emission for (n,p)
ENDF/B-VII ER-166
Photon emission for (n,d)
ENDF/B-VII ER-166
Photon emission for (n,a)
ENDF/B-VII ER-166
thermal capture photon spectrum
ENDF/B-VII ER-166
14 MeV photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)