ENDF/B-VII.1 XE-133
Principal cross sections

Cross section (barns) vs. Energy (MeV)

- **Total**
- **Absorption**
- **Elastic**
ENDF/B-VII.1 XE-133
resonance total cross section

Energy (MeV)

Cross section (barns)

10^0

10^1

10^0

10^1
ENDF/B-VII.1 XE-133
resonance absorption cross sections

Capture cross section as a function of energy.
ENDF/B-VII.1 XE-133
UR total cross section

Energy (MeV)

Cross section (barns)

Inf. Dil.
100 b
1 b
ENDF/B-VII.1 XE-133
UR capture cross section

Energy (MeV)

Cross section (barns)

Inf. Dil. 100 b 1 b

Energy (MeV)
ENDF/B-VII.1 XE-133

Heating

Energy (MeV) vs. Heating (MeV/reaction)
ENDF/B-VII.1 XE-133 Damage

![Graph of ENDF/B-VII.1 XE-133 Damage](image-url)

- **Y-axis:** Damage (MeV-barns)
- **X-axis:** Energy (MeV)

The graph depicts the variation of damage with energy for XE-133. The y-axis represents damage in MeV-barns, while the x-axis represents energy in MeV. The curve shows a peak and valley pattern across the energy spectrum.
ENDF/B-VII.1 XE-133
Non-threshold reactions

Cross section (barns) vs. Energy (MeV)

(n,gma)
ENDF/B-VII.1 XE-133
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic

Energy (MeV)
ENDF/B-VII.1 XE-133

Heating

Heating (MeV/reaction)

Energy (MeV)
ENDF/B-VII.1 XE-133
Damage

Damage (MeV-barns) vs. Energy (MeV)
ENDF/B-VII.1 XE-133
Non-threshold reactions

Energy (MeV)

Cross section (barns)

$10^{-2}$

$10^{-3}$

$10^{-4}$

Energy (MeV)

$0$  $2$  $4$  $6$  $8$  $10$  $12$  $14$  $16$  $18$  $20$
ENDF/B-VII.1 XE-133
Inelastic levels

Cross section (barns) vs. Energy (MeV) for different reactions:
- (n,n*1)
- (n,n*2)
- (n,n*3)
- (n,n*4)
- (n,n*5)
ENDF/B-VII.1 XE-133
Inelastic levels

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 XE-133
Inelastic levels

Energy (MeV)

Cross section (barns)

(n,n*11)
(n,n*12)
(n,n*13)
(n,n*14)
ENDF/B-VII.1 XE-133
Threshold reactions

Energy (MeV)

Cross section (barns)

(n,2n)
(n,3n)
(n,*)a
(n,*)p
(n,*)d
ENDF/B-VII.1 XE-133
Threshold reactions

Energy (MeV)
Cross section (barns)

(n,n\textsuperscript{*}c)
(n,p)
(n,d)
(n,t)
(n,a)
ENDF/B-VII.1 XE-133
Threshold reactions

Cross section (barns)

Energy (MeV)

- \((n,xp)\)
- \((n,xd)\)
- \((n,xt)\)
- \((n,xa)\)
ENDF/B-VII.1 XE-133
angular distribution for elastic
ENDF/B-VII.1 XE-133
angular distribution for (n,2n)
ENDF/B-VII.1 XE-133
angular distribution for (n,n*)a
ENDF/B-VII.1 XE-133
angular distribution for (n,n*)p

Probl/Cos

Cosine

Energy (MeV)

Prob/Cos

1.0
0.5
0.0
-0.5
-1.0
∞

10
12
14
16
18
20

10^0
10^-1

ENDF/B-VII.1 XE-133
angular distribution for (n,n*)d
ENDF/B-VII.1 XE-133
angular distribution for (n,n*1)
ENDF/B-VII.1 XE-133 angular distribution for \((n,n^*2)\)
ENDF/B-VII.1 XE-133
angular distribution for \((n,n^*3)\)
ENDF/B-VII.1 XE-133
angular distribution for (n,n*4)
ENDF/B-VII.1 XE-133
angular distribution for (n,n*5)
ENDF/B-VII.1 XE-133
angular distribution for (n,n*6)
ENDF/B-VII.1 XE-133
angular distribution for (n,n*7)
ENDF/B-VII.1 XE-133
angular distribution for (n,n*8)
ENDF/B-VII.1 XE-133
angular distribution for (n,n*9)
ENDF/B-VII.1 XE-133
angular distribution for (n,n*10)
ENDF/B-VII.1 XE-133
angular distribution for (n,n*11)
ENDF/B-VII.1 XE-133
angular distribution for (n,n*12)
ENDF/B-VII.1 XE-133
angular distribution for (n,n*13)
ENDF/B-VII.1 XE-133
angular distribution for (n,n*14)
ENDF/B-VII.1 XE-133
angular distribution for (n,n*^c)
ENDF/B-VII.1 XE-133
Neutron emission for \((n,2n)\)
ENDF/B-VII.1 XE-133
Neutron emission for (n,3n)
ENDF/B-VII.1 XE-133
Neutron emission for \((n,n^*)a\)
ENDF/B-VII.1 XE-133
Neutron emission for \((n,n^*)p\)
ENDF/B-VII.1 XE-133
Neutron emission for (n,n*)d
ENDF/B-VII.1 XE-133
Neutron emission for (n,n^c)