ENDF/B-VII.1 XE-131
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 XE-131
resonance total cross section
ENDF/B-VII.1 XE-131
resonance absorption cross sections

Cross section (barns) vs. Energy (MeV)
ENDF/B-VII.1 XE-131
resonance absorption cross sections

capture
ENDF/B-VII.1 XE-131
resonance absorption cross sections

Cross section (barns) vs. Energy (MeV)
ENDF/B-VII.1 XE-131
UR capture cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 XE-131 Heating

Heating (MeV/reaction) vs. Energy (MeV)

- Heating curve shows a significant increase at higher energies.
- The graph covers a range of energies from $10^{-11}$ to $10^1$ MeV.
ENDF/B-VII.1 XE-131 Damage

Energy (MeV) vs. Damage (MeV-barns) graph.
ENDF/B-VII.1 XE-131
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
ENDF/B-VII.1 XE-131
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
- gamma production
ENDF/B-VII.1 XE-131

Inelastic levels

Energy (MeV)

Cross section (barns)

- (n,n*6)
- (n,n*7)
- (n,n*8)
- (n,n*9)
- (n,n*10)
ENDF/B-VII.1 XE-131
Threshold reactions

Energy (MeV)

Cross section (barns)

- (n,2np)
- (n,n^+p)
- (n,p)
- (n,a)
ENDF/B-VII.1 XE-131
Threshold reactions

Energy (MeV)

Cross section (barns) $\times 10^{-6}$

- (n,p\*8)
- (n,p\*9)
- (n,p\*10)
- (n,p\*11)
- (n,p\*12)

Energy (MeV)
ENDF/B-VII.1 XE-131
Threshold reactions

Energy (MeV)

Cross section (barns)

- \( (n,p^{*13}) \)
- \( (n,p^{*14}) \)
- \( (n,p^{*c}) \)
- \( (n,a^{*0}) \)
- \( (n,a^{*1}) \)
ENDF/B-VII.1 XE-131
Threshold reactions

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 XE-131
Threshold reactions

Cross section (barns) vs. Energy (MeV)

- (n,a*12)
- (n,a*13)
- (n,a*14)
- (n,a*c)
ENDF/B-VII.1 XE-131
angular distribution for elastic
ENDF/B-VII.1 XE-131
angular distribution for (n,n*1)
ENDF/B-VII.1 XE-131 angular distribution for (n,n*2)
ENDF/B-VII.1 XE-131
angular distribution for (n,n*3)
ENDF/B-VII.1 XE-131
angular distribution for (n,n*4)
ENDF/B-VII.1 XE-131
angular distribution for \((n,n^*5)\)
ENDF/B-VII.1 XE-131
angular distribution for (n,n*6)
ENDF/B-VII.1 XE-131
angular distribution for (n,n*7)
ENDF/B-VII.1 XE-131
angular distribution for \((n,n^*8)\)
ENDF/B-VII.1 XE-131
angular distribution for (n,n*9)
ENDF/B-VII.1 XE-131
angular distribution for (n,n*10)
ENDF/B-VII.1 XE-131
angular distribution for (n,n*11)
ENDF/B-VII.1 XE-131
angular distribution for (n,n*12)
ENDF/B-VII.1 XE-131
angular distribution for (n,n*13)
ENDF/B-VII.1 XE-131
angular distribution for (n,n'14)
ENDF/B-VII.1 XE-131 angular distribution for (n,n*15)
ENDF/B-VII.1 XE-131
Neutron emission for (n,2n)
ENDF/B-VII.1 XE-131
Neutron emission for (n,3n)
ENDF/B-VII.1 XE-131
Neutron emission for (n,n*)a
ENDF/B-VII.1 XE-131
Neutron emission for (n,n*)p
ENDF/B-VII.1 XE-131
Neutron emission for (n,2np)
ENDF/B-VII.1 XE-131
Neutron emission for \((n,n^*c)\)
ENDF/B-VII.1 XE-131
Photon emission for (n,3n)
ENDF/B-VII.1 XE-131
Photon emission for \((n,n^*)a\)
ENDF/B-VII.1 XE-131
Photon emission for (n,2n)a
ENDF/B-VII.1 XE-131
Photon emission for (n,n*)p
ENDF/B-VII.1 XE-131
Photon emission for (n,2np)
ENDF/B-VII.1 XE-131
Photon emission for (n,n*c)
ENDF/B-VII.1 XE-131
Photon emission for \((n,p^*c)\)
ENDF/B-VII.1 XE-131
Photon emission for (n,a*c)
ENDF/B-VII.1 XE-131 thermal capture photon spectrum
ENDF/B-VII.1 XE-131
14 MeV photon spectrum
ENDF/B-VII.1 XE-131
Particle heating contributions

Energy (MeV)

MeV/collision

Energy (MeV)
ENDF/B-VII.1 XE-131
Particle production cross sections

Energy (MeV)

Cross section (barns)

protons
alphas
ENDF/B-VII.1 XE-131
protons from (n,n*)p
ENDF/B-VII.1 XE-131
protons from (n,2np)
ENDF/B-VII.1 XE-131
angular distribution for (n,p\textsuperscript{0}) proton
ENDF/B-VII.1 XE-131
angular distribution for (n,p*1) proton
ENDF/B-VII.1 XE-131
angular distribution for (n,p*2) proton
ENDF/B-VII.1 XE-131
angular distribution for (n,p*4) proton
ENDF/B-VII.1 XE-131
angular distribution for (n,p*5) proton
ENDF/B-VII.1 XE-131
angular distribution for (n,p*6) proton
ENDF/B-VII.1 XE-131
angular distribution for (n,p*7) proton
ENDF/B-VII.1 XE-131
angular distribution for (n,p*8) proton
ENDF/B-VII.1 XE-131
angular distribution for (n,p*9) proton
ENDF/B-VII.1 XE-131
angular distribution for (n,p*10) proton
ENDF/B-VII.1 XE-131
angular distribution for (n,p*11) proton
ENDF/B-VII.1 XE-131
angular distribution for \( (n,p^*12) \) proton
ENDF/B-VII.1 XE-131
angular distribution for (n,p*13) proton
ENDF/B-VII.1 XE-131
angular distribution for (n,p*14) proton

[Diagram showing angular distribution with axes labeled as follows:
- X-axis: Cosine
- Y-axis: Energy (MeV)
- Z-axis: Prob/Cos

The diagram displays a 3D representation of the angular distribution with energy intervals and cosine values on the axes.]
ENDF/B-VII.1 XE-131 protons from (n,p^c)
ENDF/B-VII.1 XE-131
alphas from \((n,n^*)a\)
ENDF/B-VII.1 XE-131
alphas from (n,2n)a
ENDF/B-VII.1 XE-131
angular distribution for (n,a*0) alpha
ENDF/B-VII.1 XE-131
angular distribution for (n,a*1) alpha
ENDF/B-VII.1 XE-131
angular distribution for (n,a*2) alpha
ENDF/B-VII.1 XE-131
angular distribution for (n,a*3) alpha
ENDF/B-VII.1 XE-131
angular distribution for (n,a*5) alpha
ENDF/B-VII.1 XE-131
angular distribution for (n,a*6) alpha
ENDF/B-VII.1 XE-131
angular distribution for (n,a*7) alpha
ENDF/B-VII.1 XE-131
angular distribution for (n,a*8) alpha
ENDF/B-VII.1 XE-131
angular distribution for (n,a^9) alpha
ENDF/B-VII.1 XE-131
angular distribution for (n,a*10) alpha
ENDF/B-VII.1 XE-131
angular distribution for (n,a*11) alpha
ENDF/B-VII.1 XE-131
angular distribution for \((n,a^*12)\) alpha
ENDF/B-VII.1 XE-131 angular distribution for (n,a*13) alpha
ENDF/B-VII.1 XE-131
angular distribution for (n,a*14) alpha
ENDF/B-VII.1 XE-131
alphas from (n,a*c)