ENDF/B-VII.1 ZN-68
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
- gamma production

Energy (MeV)
ENDF/B-VII.1 ZN-68
resonance total cross section
ENDF/B-VII.1 ZN-68
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 ZN-68
resonance total cross section

Energy (MeV) vs. Cross section (barns)
E\textsuperscript{N}DF/B-VII.1 ZN-68
resonance total cross section

![Graph showing the total cross section as a function of energy (MeV). The graph illustrates a smooth curve with variations in cross section over different energy ranges.]
ENDF/B-VII.1 ZN-68
resonance absorption cross sections
ENDF/B-VII.1 ZN-68
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 ZN-68
resonance absorption cross sections
ENDF/B-VII.1 ZN-68 resonance absorption cross sections

![Graph showing resonance absorption cross sections versus energy. The x-axis represents energy (MeV) ranging from 10^0 to 10^1, and the y-axis represents cross section (barns) ranging from 10^{-3} to 10^{-2}. The graph includes a line labeled 'capture' indicating the cross section behavior.](image-url)
ENDF/B-VII.1 ZN-68
UR total cross section

![Graph showing the total cross section for ZN-68 uranium as a function of energy (MeV). The graph plots the cross section (in barns) on a logarithmic scale against energy (in MeV) also on a logarithmic scale. The graph includes multiple curves representing different conditions: Inf. Dil., 100 b, and 1 b. The curves show a decrease in cross section with increasing energy.]
ENDF/B-VII.1 ZN-68
UR elastic cross section

Energy (MeV)

Cross section (barns)

- Inf. Dil.
- 100 b
- 1 b
ENDF/B-VII.1 ZN-68
UR capture cross section
ENDF/B-VII.1 ZN-68

Heating

Heating (MeV/reaction)

Energy (MeV)
ENDF/B-VII.1 ZN-68
Damage

Energy (MeV)

Damage (MeV-barns)
ENDF/B-VII.1 ZN-68
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
ENDF/B-VII.1 ZN-68 Damage

Energy (MeV) vs Damage (MeV-barns) plot.
ENDF/B-VII.1 ZN-68
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
ENDF/B-VII.1 ZN-68
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 ZN-68
Threshold reactions

Cross section (barns) vs. Energy (MeV)

- (n,a)
- (n,2p)
ENDF/B-VII.1 ZN-68
angular distribution for elastic
ENDF/B-VII.1 ZN-68
angular distribution for (n,n^1)
ENDF/B-VII.1 ZN-68
angular distribution for (n,n*2)
ENDF/B-VII.1 ZN-68
angular distribution for (n,n*3)
ENDF/B-VII.1 ZN-68
angular distribution for (n,n*4)
ENDF/B-VII.1 ZN-68
angular distribution for (n,n*5)
ENDF/B-VII.1 ZN-68
angular distribution for (n,n*6)
ENDF/B-VII.1 ZN-68
angular distribution for (n,n*7)
ENDF/B-VII.1 ZN-68
angular distribution for \((n,n^*8)\)
ENDF/B-VII.1 ZN-68
angular distribution for (n,n*9)
ENDF/B-VII.1 ZN-68
angular distribution for (n,n*10)
ENDF/B-VII.1 ZN-68
angular distribution for (n,n*11)
ENDF/B-VII.1 ZN-68
angular distribution for (n,n*12)
ENDF/B-VII.1 ZN-68
angular distribution for (n,n*13)
ENDF/B-VII.1 ZN-68
angular distribution for (n,n*14)
ENDF/B-VII.1 ZN-68
angular distribution for (n,n*15)
ENDF/B-VII.1 ZN-68
angular distribution for (n,n*16)
ENDF/B-VII.1 ZN-68
angular distribution for (n,n*17)
ENDF/B-VII.1 ZN-68
angular distribution for (n,n*18)
ENDF/B-VII.1 ZN-68
angular distribution for (n,n*19)
ENDF/B-VII.1 ZN-68
angular distribution for (n,n*20)
ENDF/B-VII.1 ZN-68
angular distribution for (n,n*22)
ENDF/B-VII.1 ZN-68 angular distribution for \((n,n^{*}23)\)
ENDF/B-VII.1 ZN-68 angular distribution for (n,n*24)
ENDF/B-VII.1 ZN-68
angular distribution for (n,n*25)
ENDF/B-VII.1 ZN-68 angular distribution for (n,n*26)
ENDF/B-VII.1 ZN-68
angular distribution for (n,n*27)
ENDF/B-VII.1 ZN-68
angular distribution for (n,n*28)
ENDF/B-VII.1 ZN-68
Neutron emission for \((n,2n)\)
ENDF/B-VII.1 ZN-68
Neutron emission for (n,3n)
ENDF/B-VII.1 ZN-68
Neutron emission for \((n,n^*)a\)
ENDF/B-VII.1 ZN-68
Neutron emission for (n,n*)p
ENDF/B-VII.1 ZN-68
Neutron emission for (n, n*)d
ENDF/B-VII.1 ZN-68
Neutron emission for (n,n*c)
ENDF/B-VII.1 ZN-68
Photon emission for (n,3n)
ENDF/B-VII.1 ZN-68
Photon emission for \((n,n^*)a\)
ENDF/B-VII.1 ZN-68 Photon emission for \((n,n^*)p\)
ENDF/B-VII.1 ZN-68
Photon emission for (n,n*)d

![3D plot showing photon emission probability as a function of neutron energy and gamma energy.]
ENDF/B-VII.1 ZN-68
Photon emission for (n,n*1)
ENDF/B-VII.1 ZN-68
Photon emission for (n,n*2)
ENDF/B-VII.1 ZN-68
Photon emission for (n,n*3)
ENDF/B-VII.1 ZN-68
Photon emission for (n,n*4)
ENDF/B-VII.1 ZN-68
Photon emission for \((n,n^*5)\)
ENDF/B-VII.1 ZN-68
Photon emission for (n,n*6)
ENDF/B-VII.1 ZN-68
Photon emission for (n,n*7)
ENDF/B-VII.1 ZN-68
Photon emission for (n,n*9)
ENDF/B-VII.1 ZN-68
Photon emission for \( (n,n^{*11}) \)
ENDF/B-VII.1 ZN-68
Photon emission for (n,n*12)
ENDF/B-VII.1 ZN-68
Photon emission for (n,n*13)
ENDF/B-VII.1 ZN-68
Photon emission for (n,n*15)
ENDF/B-VII.1 ZN-68
Photon emission for \( (n,n^*16) \)
ENDF/B-VII.1 ZN-68
Photon emission for (n,n*17)
ENDF/B-VII.1 ZN-68
Photon emission for (n,n*18)
ENDF/B-VII.1 ZN-68
Photon emission for (n,n*19)
ENDF/B-VII.1 ZN-68
Photon emission for (n,n*20)
ENDF/B-VII.1 ZN-68
Photon emission for (n,n*21)
ENDF/B-VII.1 ZN-68
Photon emission for (n,n*23)
ENDF/B-VII.1 ZN-68
Photon emission for (n,n*24)
ENDF/B-VII.1 ZN-68
Photon emission for (n,n^25)
ENDF/B-VII.1 ZN-68
Photon emission for (n,n*26)
ENDF/B-VII.1 ZN-68
Photon emission for (n,n^*27)
ENDF/B-VII.1 ZN-68
Photon emission for (n,n*28)
ENDF/B-VII.1 ZN-68
Photon emission for (n,n*c)
ENDF/B-VII.1 ZN-68
Photon emission for (n, gma)
ENDF/B-VII.1 ZN-68
thermal capture photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)
ENDF/B-VII.1 ZN-68
Recoil Heating

Heating (MeV/reaction)

Energy (MeV)
ENDF/B-VII.1 ZN-68 protons from (n,n*)p
ENDF/B-VII.1 ZN-68
deuterons from \( (n,n^*)d \)
ENDF/B-VII.1 ZN-68
alphas from (n,n*)a