ENDF/B-VII.1 NP-238
Principal cross sections

Cross section (barns) vs. Energy (MeV)
- Total
- Absorption
- Elastic
- Gamma production

Energy range: $10^{-11}$ to $10^1$ MeV
Cross section range: $10^0$ to $10^6$ barns
ENDF/B-VII.1 NP-238
UR elastic cross section

Energy (MeV)

Cross section (barns)

Inf. Dil. 100 b 1 b
ENDF/B-VII.1 NP-238
UR capture cross section

[Graph showing the cross section of uranium capture as a function of energy.]
ENDF/B-VII.1 NP-238
Heating

Heating (MeV/reaction) vs. Energy (MeV)
ENDF/B-VII.1 NP-238
Principal cross sections

Cross section (barns) vs. Energy (MeV)

- Total
- Absorption
- Elastic
- Gamma production
ENDF/B-VII.1 NP-238

Heating

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

- Heating

0 5 10 15 20 25 30 35 40 45 50 55 60 65

0 5 10 15 20
ENDF/B-VII.1 NP-238
Inelastic levels

Energy (MeV)

Cross section (barns)

*10^{-3}

(n,n*11)

(n,n*12)

(n,n*13)

(n,n*14)

(n,n*15)

Energy (MeV)
ENDF/B-VII.1 NP-238
Inelastic levels

Energy (MeV) vs. Cross section (barns)

- (n,n*16)
- (n,n*17)
- (n,n*18)
- (n,n*19)
- (n,n*20)
ENDF/B-VII.1 NP-238

Inelastic levels

Cross section (barns)

Energy (MeV)

*(n,n*26) *(n,n*27) *(n,n*28) *(n,n*29) *(n,n*30)
ENDF/B-VII.1 NP-238
Threshold reactions

Energy (MeV)

0.0 0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8 2.0

Cross section (barns)

(n,2n) (n,3n) (n,4n) (n,n*<c>)
ENDF/B-VII.1 NP-238
angular distribution for elastic
ENDF/B-VII.1 NP-238
Delayed nubar
ENDF/B-VII.1 NP-238
Delayed neutron spectra

![Graph showing probability vs. energy for different groups of delayed neutrons. Each group is color-coded and labeled with fraction and decay/shake rate in scientific notation.]
ENDF/B-VII.1 NP-238
Photon emission for fission
ENDF/B-VII.1 NP-238
Photon emission for (n,2n)
ENDF/B-VII.1 NP-238
Photon emission for (n,3n)
ENDF/B-VII.1 NP-238
Photon emission for \((n,n^*2)\)
ENDF/B-VII.1 NP-238
Photon emission for (n,n*3)
ENDF/B-VII.1 NP-238
Photon emission for \((n,n^*4)\)
ENDF/B-VII.1 NP-238
Photon emission for (n,n^*_5)
ENDF/B-VII.1 NP-238
Photon emission for (n,n*7)
ENDF/B-VII.1 NP-238
Photon emission for (n,n*8)
ENDF/B-VII.1 NP-238
Photon emission for (n,n*9)
ENDF/B-VII.1 NP-238
Photon emission for (n,n*10)
ENDF/B-VII.1 NP-238
Photon emission for (n,n*11)
ENDF/B-VII.1 NP-238
Photon emission for \((n,n^*12)\)
ENDF/B-VII.1 NP-238
Photon emission for (n,n*13)
ENDF/B-VII.1 NP-238
Photon emission for (n,n*14)
ENDF/B-VII.1 NP-238
Photon emission for (n,n*15)
ENDF/B-VII.1 NP-238
Photon emission for (n,n*16)
ENDF/B-VII.1 NP-238
Photon emission for (n,n*19)
ENDF/B-VII.1 NP-238
Photon emission for (n,n*20)
ENDF/B-VII.1 NP-238
Photon emission for (n,n*21)
ENDF/B-VII.1 NP-238
Photon emission for (n,n*22)
ENDF/B-VII.1 NP-238
Photon emission for (n,n*23)
ENDF/B-VII.1 NP-238
Photon emission for (n,n*24)
ENDF/B-VII.1 NP-238
Photon emission for (n,n*25)
ENDF/B-VII.1 NP-238
Photon emission for (n,n*26)
ENDF/B-VII.1 NP-238
Photon emission for (n,n*27)
ENDF/B-VII.1 NP-238
Photon emission for (n,n*28)
ENDF/B-VII.1 NP-238
Photon emission for (n,n*29)
ENDF/B-VII.1 NP-238
Photon emission for (n,n*30)
ENDF/B-VII.1 NP-238
Photon emission for (n,n*31)
ENDF/B-VII.1 NP-238
Photon emission for (n,n^*32)
ENDF/B-VII.1 NP-238
Photon emission for (n,n*33)
ENDF/B-VII.1 NP-238
Photon emission for (n,n*34)
ENDF/B-VII.1 NP-238
Photon emission for (n,n*35)
ENDF/B-VII.1 NP-238
Photon emission for (n,n*c)
ENDF/B-VII.1 NP-238
Photon emission for (n,gma)
ENDF/B-VII.1 NP-238
14 MeV photon spectrum