ENDF/B-VII.1 CF-248
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
- gamma production

-10^-11  -10^-10  -10^-9  -10^-8  -10^-7  -10^-6  -10^-5  -10^-4  -10^-3  -10^-2  -10^-1  10^0  10^1

10^-11  10^-10  10^-9  10^-8  10^-7  10^-6  10^-5  10^-4  10^-3  10^-2  10^-1  10^0  10^1
ENDF/B-VII.1 CF-248
Heating

Heating (MeV/reaction)

Energy (MeV)
ENDF/B-VII.1 CF-248
Non-threshold reactions

Cross section (barns) vs. Energy (MeV)

Red line: (n,gma) reaction
Black line: fission reaction
ENDF/B-VII.1 CF-248 Damage

Energy (MeV) vs. Damage (MeV-barns) graph.
ENDF/B-VII.1 CF-248
Non-threshold reactions

Energy (MeV)

Cross section (barns)

- fission
- (n,gma)
ENDF/B-VII.1 CF-248
angular distribution for elastic
ENDF/B-VII.1 CF-248
angular distribution for (n,n*1)
ENDF/B-VII.1 CF-248
angular distribution for (n,n*2)
ENDF/B-VII.1 CF-248
angular distribution for \((n,n^*3)\)
ENDF/B-VII.1 CF-248
angular distribution for (n,n*4)
ENDF/B-VII.1 CF-248
angular distribution for \((n,n^*5)\)
ENDF/B-VII.1 CF-248
angular distribution for (n,n*6)
ENDF/B-VII.1 CF-248
angular distribution for \((n,n^*7)\)
ENDF/B-VII.1 CF-248
angular distribution for (n,n*8)
ENDF/B-VII.1 CF-248
Total fission nubar

Energy (MeV) vs. Fission nubar
ENDF/B-VII.1 CF-248
Neutron emission for (n,2n)
ENDF/B-VII.1 CF-248
Neutron emission for (n,3n)
ENDF/B-VII.1 CF-248
Neutron emission for fission
ENDF/B-VII.1 CF-248
Neutron emission for (n,n*c)
Photon emission for fission
ENDF/B-VII.1 CF-248
Photon emission for (n,2n)
ENDF/B-VII.1 CF-248
Photon emission for (n,3n)
ENDF/B-VII.1 CF-248
Photon emission for (n,n*1)
ENDF/B-VII.1 CF-248
Photon emission for (n,n*2)
ENDF/B-VII.1 CF-248
Photon emission for (n,n*3)
ENDF/B-VII.1 CF-248
Photon emission for (n,n*4)
ENDF/B-VII.1 CF-248
Photon emission for (n,n^5)
ENDF/B-VII.1 CF-248
Photon emission for (n,n*6)
ENDF/B-VII.1 CF-248
Photon emission for (n,n^*7)
ENDF/B-VII.1 CF-248
Photon emission for (n,n*8)
ENDF/B-VII.1 CF-248
Photon emission for (n,n*c)
ENDF/B-VII.1 CF-248
Photon emission for (n,gma)
ENDF/B-VII.1 CF-248
thermal capture photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)
ENDF/B-VII.1 CF-248
14 MeV photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)