ENDF/B-VII.1 CF-252
Principal cross sections
ENDF/B-VII.1 CF-252
resonance total cross section

Energy (MeV)

Cross section (barns)

total

10^-6

10^1

10^2
ENDF/B-VII.1 CF-252
resonance total cross section
ENDF/B-VII.1 CF-252
resonance total cross section
ENDF/B-VII.1 CF-252
capture
resonance absorption cross sections
fission

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 CF-252
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

- capture
- fission
ENDF/B-VII.1 CF-252
resonance absorption cross sections

Energy (MeV) vs. Cross section (barns)

- Capture (solid line)
- Fission (dashed line)
ENDF/B-VII.1 CF-252
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
fission
ENDF/B-VII.1 CF-252
UR total cross section

Energy (MeV)

Cross section (barns)

Inf. Dil.
100 b
1 b
ENDF/B-VII.1 CF-252
UR elastic cross section

Cross section (barns) vs. Energy (MeV)

Inf. Dil.
100 b
1 b
ENDF/B-VII.1 CF-252
Heating
ENDF/B-VII.1 CF-252
Non-threshold reactions

![Graph showing non-threshold reactions with cross sections and energy levels.](image)
ENDF/B-VII.1 CF-252
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
- gamma production

Energy (MeV)
ENDF/B-VII.1 CF-252
Non-threshold reactions

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 CF-252
Inelastic levels

Cross section (barns)

Energy (MeV)

- $(n,n^1)$
- $(n,n^2)$
- $(n,n^3)$
- $(n,n^4)$
- $(n,n^5)$
ENDF/B-VII.1 CF-252
angular distribution for elastic
Total fission nubar vs. Energy (MeV)

ENDF/B-VII.1 CF-252

Fission nubar vs. Energy (MeV)

Energy (MeV) vs. Fission nubar
ENDF/B-VII.1 CF-252
Delayed neutron spectra

Energy (MeV)

Probability

Probability

Energy (MeV)

group 1 frac 0.0124 decay/shake 1.360E-10
group 2 frac 0.3052 decay/shake 2.910E-10
group 3 frac 0.1813 decay/shake 1.068E-09
group 4 frac 0.2992 decay/shake 3.024E-09
group 5 frac 0.1729 decay/shake 8.173E-09
group 6 frac 0.0290 decay/shake 2.616E-08
ENDF/B-VII.1 CF-252
Photon emission for fission

![3D histogram of photon emission for fission]
ENDF/B-VII.1 CF-252
Photon emission for (n,2n)
ENDF/B-VII.1 CF-252
Photon emission for (n,3n)
ENDF/B-VII.1 CF-252
Photon emission for (n,4n)
ENDF/B-VII.1 CF-252
Photon emission for (n,n^*1)
ENDF/B-VII.1 CF-252
Photon emission for (n,n*2)
ENDF/B-VII.1 CF-252
Photon emission for (n,n*3)
ENDF/B-VII.1 CF-252
Photon emission for (n,n*4)
ENDF/B-VII.1 CF-252
Photon emission for (n,n*5)
ENDF/B-VII.1 CF-252
Photon emission for (n,n*6)
ENDF/B-VII.1 CF-252
Photon emission for (n,n*7)
ENDF/B-VII.1 CF-252
Photon emission for (n,n*9)
ENDF/B-VII.1 CF-252
Photon emission for (n,n*10)
ENDF/B-VII.1 CF-252
Photon emission for (n,n*c)
ENDF/B-VII.1 CF-252
Photon emission for (n,gma)
ENDF/B-VII.1 CF-252
thermal capture photon spectrum

Gamma Energy (MeV) vs. Gamma Prod (barns/MeV)
ENDF/B-VII.1 CF-252
14 MeV photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)