ENDF/B-VII.1 CM-245
resonance total cross section

Energy (MeV)

Cross section (barns)
ENDF/B-VII.1 CM-245
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

- Capture
- Fission

Energy (MeV)

Cross section (barns)
ENDF/B-VII.1 CM-245
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

Capture and fission cross sections are shown in the graph.
ENDF/B-VII.1 CM-245
resonance absorption cross sections

Capture
Fission

Energy (MeV)

Cross section (barns)
ENDF/B-VII.1 CM-245
UR total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII.1 CM-245
UR elastic cross section

Cross section (barns)

Energy (MeV)

[Graph showing elastic cross section as a function of energy, with different cross sections labeled as Inf. Dil., 100 b, and 1 b.]
ENDF/B-VII.1 CM-245
UR fission cross section
ENDF/B-VII.1 CM-245
UR capture cross section

[Diagram showing capture cross section data for different energy levels, with cross sections labeled as Inf. Dil., 100 b, and 1 b.]
ENDF/B-VII.1 CM-245
Heating

Heating (MeV/reaction)

Energy (MeV)
ENDF/B-VII.1 CM-245
Damage

Energy (MeV) vs. Damage (MeV-barns)

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

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

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

damage
ENDF/B-VII.1 CM-245
Heating

![Graph showing the heating of a reaction as a function of energy. The heating increases significantly around the energy of 10 MeV, reaching a peak before decreasing towards higher energies.]
ENDF/B-VII.1 CM-245
Damage

Energy (MeV)

Damage (MeV-barns)

*10^-3
ENDF/B-VII.1 CM-245
Non-threshold reactions

Energy (MeV)

Cross section (barns)

fission

(n,gma)
ENDF/B-VII.1 CM-245
Delayed neutron spectra

Energy (MeV)

Probability

10^{-2} 10^{-1} 10^{0}

10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1}

10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1}

- Group 1 frac 0.0222 decay/shake 1.340E-10
- Group 2 frac 0.1788 decay/shake 3.070E-10
- Group 3 frac 0.1672 decay/shake 1.130E-09
- Group 4 frac 0.3706 decay/shake 3.001E-09
- Group 5 frac 0.2054 decay/shake 8.340E-09
- Group 6 frac 0.0559 decay/shake 2.769E-08
Photon emission for fission

ENDF/B-VII.1 CM-245

The diagram shows the probability of photon emission for fission as a function of \( E_y \) (MeV) and \( E_n \) (MeV). The y-axis represents the probability per unit energy in MeV, and the x-axes represent the energy of the emitted photon and the energy of the neutron, respectively.
Endf/B-VII.1 CM-245
Photon emission for (n,2n)
ENDF/B-VII.1 CM-245
Photon emission for (n,4n)
ENDF/B-VII.1 CM-245
Photon emission for (n,n*1)
ENDF/B-VII.1 CM-245
Photon emission for (n,n*3)
ENDF/B-VII.1 CM-245
Photon emission for \((n,n^*4)\)
ENDF/B-VII.1 CM-245
Photon emission for \((n,n^*5)\)
Photon emission for (n,n*6)
ENDF/B-VII.1 CM-245
Photon emission for (n,n*7)
Photon emission for (n,n*8)
ENDF/B-VII.1 CM-245
Photon emission for (n,n*9)
ENDF/B-VII.1 CM-245
Photon emission for (n,n*10)
ENDF/B-VII.1 CM-245
Photon emission for (n,n*12)
ENDF/B-VII.1 CM-245
Photon emission for (n,n*13)
ENDF/B-VII.1 CM-245
Photon emission for (n,n*14)
ENDF/B-VII.1 CM-245
Photon emission for (n,n*15)
ENDF/B-VII.1 CM-245
Photon emission for (n,n*16)
ENDF/B-VII.1 CM-245
Photon emission for (n,n*17)
ENDF/B-VII.1 CM-245
Photon emission for (n,n°18)
ENDF/B-VII.1 CM-245
Photon emission for (n,n*19)
ENDF/B-VII.1 CM-245
Photon emission for (n,n*c)
ENDF/B-VII.1 CM-245
Photon emission for $(n,gma)$. 

![Graph showing photon emission probability as a function of neutron energy and gamma production energy.](image-url)
ENDF/B-VII.1 CM-245
thermal capture photon spectrum

Gamma Energy (MeV) vs. Gamma Prod (barns/MeV)
ENDF/B-VII.1 CM-245
14 MeV photon spectrum