ENDF/B-VI CF-251B
Principal cross sections

Cross section (barns)

Energy (MeV)

- total
- absorption
- elastic
- gamma production
ENDF/B-VI CF-251B
resonance total cross section

Energy (MeV)

Cross section (barns)
ENDF/B-VI CF-251B
resonance total cross section

Energy (MeV)

Cross section (barns)

10^3

10^2

10^1

10^{-4}

10^{-3}

Total
ENDF/B-VI CF-251B
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VI CF-251B
resonance absorption cross sections

![Graph showing resonance absorption cross sections for capture and fission processes. The graph plots cross section (barns) against energy (MeV) on a logarithmic scale. Peaks correspond to resonances, with capture processes indicated by solid lines and fission processes by dashed lines.](image-url)
ENDF/B-VI CF-251B
resonance absorption cross sections

Energy (MeV) vs. Cross section (barns)

- Capture
- Fission
ENDF/B-VI CF-251B
Non-threshold reactions
ENDF/B-VI CF-251B
angular distribution for elastic
ENDF/B-VI CF-251B
Total fission nubar

Energy (MeV) vs. Fission nubar
ENDF/B-VI CF-251B
Delayed nubar

Energy (MeV)

Delayed nubar

*10^-3
ENDF/B-VI CF-251B
Delayed neutron spectra

Energy (MeV)

Probability

- Group 1: fraction 0.0055, decay/shake 1.570E-10
- Group 2: fraction 0.3587, decay/shake 2.883E-10
- Group 3: fraction 0.1736, decay/shake 1.077E-09
- Group 4: fraction 0.2693, decay/shake 3.246E-09
- Group 5: fraction 0.1688, decay/shake 8.837E-09
- Group 6: fraction 0.0242, decay/shake 2.631E-08
ENDF/B-VI CF-251B
Photon emission for fission
ENDF/B-VI CF-251B
Photon emission for (n,gma)
Photon emission for nonelastic
ENDF/B-VI CF-251B
14 MeV photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)