JEFF-3.0 CS-136
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
JEFF-3.0 CS-136
resonance total cross section

![Graph showing the resonance total cross section for CS-136 in the energy range from 10^{-5} to 10^{-4} MeV. The graph plots cross section in barns (10^{-24} m^2) against energy in MeV.]
JEFF-3.0 CS-136
resonance total cross section

Energy (MeV)

Cross section (barns)

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

10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4}
JEFF-3.0 CS-136
resonance absorption cross sections

Energy (MeV) vs. Cross section (barns)

Capture cross section as a function of energy.
JEFF-3.0 CS-136
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
JEFF-3.0 CS-136
Non-threshold reactions

Energy (MeV)

Cross section (barns)

- (n,gma)
- (n,a)
JEFF-3.0 CS-136
Threshold reactions

Cross section (barns) vs Energy (MeV)

The graph shows the cross section (in barns) of the (n,2p) reaction as a function of energy (in MeV). The cross section increases significantly with energy, approaching a value of approximately 1.2 x 10^6 barns at high energies.