JEFF-3.0 XE-130
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^{-3}
JEFF-3.0 XE-130
resonance total cross section
JEFF-3.0 XE-130
resonance total cross section

Cross section (barns)

Energy (MeV)
JEFF-3.0 XE-130 resonance absorption cross sections
JEFF-3.0 XE-130
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
JEFF-3.0 XE-130
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
JEFF-3.0 XE-130
Non-threshold reactions

![Graph showing the cross section (in barns) as a function of energy (in MeV). The x-axis represents energy in MeV, ranging from $10^{-11}$ to $10^1$. The y-axis represents the cross section in barns, ranging from $10^{-3}$ to $10^2$. There are sharp spikes at certain energy levels, likely indicating resonance reactions. The (n,gma) reaction is indicated by a straight line.](image-url)
JEFF-3.0 XE-130
Non-threshold reactions

Cross section (barns) vs Energy (MeV)

- $\sigma = 10^{-2}$
- $\sigma = 10^{-3}$
- $\sigma = 10^{-4}$
- $\sigma = 10^{-5}$

Reaction: $(n,gma)$
JEFF-3.0 XE-130
Inelastic levels

Energy (MeV)

Cross section (barns)

(n,n*1)
(n,n*2)
(n,n*3)
(n,n*4)
(n,n*5)
JEFF-3.0 XE-130
Inelastic levels

Energy (MeV)

Cross section (barns)

(n,n*6)
JEFF-3.0 XE-130
angular distribution for elastic
JEFF-3.0 XE-130
angular distribution for (n,2n)
JEFF-3.0 XE-130
angular distribution for (n,3n)
JEFF-3.0 XE-130
angular distribution for (n,n*1)
JEFF-3.0 XE-130
angular distribution for (n,n*2)
JEFF-3.0 XE-130
angular distribution for (n,n*3)
JEFF-3.0 XE-130
angular distribution for (n,n*4)
JEFF-3.0 XE-130
angular distribution for (n,n*5)
JEFF-3.0 XE-130
angular distribution for (n,n*6)
JEFF-3.0 XE-130
angular distribution for (n,n*c)