CENDL-2 U-238
resonance total cross section

Energy (MeV)

Cross section (barns)

10^-4
1
10
10^2
10^3
10^4

10^-3
CENDL-2 U-238
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
CENDL-2 U-238
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
fission
CENDL-2 U-238 resonance absorption cross sections

![Graph showing cross section vs energy](image-url)

- Cross section (barns)
- Energy (MeV)
CENDL-2 U-238
Principal cross sections

![Cross section graph](image-url)

- **Total**
- **Absorption**
- **Elastic**
CENDL-2 U-238 Damage

- Energy (MeV)
- Damage (MeV-barns)

The graph shows the damage in MeV-barns as a function of energy in MeV. The damage increases with energy, indicating that higher energy leads to more damage.
CENDL-2 U-238
Non-threshold reactions

Energy (MeV) vs. Cross section (barns)

- (n,f)
- (n,gma)
CENDL-2 U-238
Inelastic levels

Cross section (barns) vs. Energy (MeV)

- (n,n*1)
- (n,n*2)
- (n,n*3)
- (n,n*4)
- (n,n*5)
CENDL-2 U-238
Inelastic levels

Cross section (barns) vs. Energy (MeV)

The graph shows the cross section for inelastic scattering as a function of energy for U-238, with the cross section normalized in barns and the energy in MeV. The peak cross section occurs around 2 MeV, with a value of approximately $10^{-3}$ barns.
CENDL-2 U-238
High-order fission reactions

Energy (Mev)

Cross section (barns)

- *(n,n*f)*
- *(n,2nf)*
- *(n,3nf)*
CENDL-2 U-238 angular distribution for elastic

Prob/Cos

Energy (MeV)

Cosine
CENDL-2 U-238
angular distribution for (n,2n)
CENDL-2 U-238
angular distribution for (n,3n)
CENDL-2 U-238
angular distribution for (n,f)
CENDL-2 U-238
angular distribution for (n,n*f)
CENDL-2 U-238 angular distribution for (n,2nf)
CENDL-2 U-238 angular distribution for (n,4n)
CENDL-2 U-238
angular distribution for (n,3nf)
CENDL-2 U-238 angular distribution for (n,n*1)
CENDL-2 U-238
angular distribution for (n,n*2)
CENDL-2 U-238
angular distribution for (n,n*3)
CENDL-2 U-238 angular distribution for $(n,n^*4)$
CENDL-2 U-238
angular distribution for (n,n*5)
CENDL-2 U-238 angular distribution for (n,n*6)
CENDL-2 U-238
angular distribution for (n,n*7)
CENDL-2 U-238
angular distribution for (n,n*8)
CENDL-2 U-238 angular distribution for (n,n*9)
CENDL-2 U-238
angular distribution for (n,n*10)
CENDL-2 U-238
angular distribution for (n,n\*11)
CENDL-2 U-238
angular distribution for (n,n*12)
CENDL-2 U-238
angular distribution for (n,n*13)
CENDL-2 U-238
angular distribution for (n,n*14)
CENDL-2 U-238
angular distribution for (n,n*15)
CENDL-2 U-238
angular distribution for (n,n*16)
CENDL-2 U-238
angular distribution for (n,n*17)
CENDL-2 U-238 angular distribution for \((n,n^{*18})\)
CENDL-2 U-238
angular distribution for (n,n*19)
CENDL-2 U-238 angular distribution for \((n,n^*20)\)
CENDL-2 U-238 angular distribution for (n,n*21)
CENDL-2 U-238
angular distribution for \((n,n^*c)\)
CENDL-2 U-238
Neutron emission for (n,2n)
CENDL-2 U-238
Neutron emission for (n,3n)
CENDL-2 U-238
Neutron emission for (n,f)
CENDL-2 U-238
Neutron emission for (n,n*f)
CENDL-2 U-238
Neutron emission for (n,2nf)
CENDL-2 U-238
Neutron emission for (n,4n)
CENDL-2 U-238
Neutron emission for (n,3nf)
CENDL-2 U-238
Neutron emission for (n,n*c)