JEFF-3.0 ND-142
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic

Energy (MeV)
JEFF-3.0 ND-142
resonance total cross section

Cross section (barns)

Energy (MeV)
JEFF-3.0 ND-142
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
JEFF-3.0 ND-142
resonance absorption cross sections

Energy (MeV)

Cross section (barns)
JEFF-3.0 ND-142
resonance absorption cross sections

![Graph showing resonance absorption cross sections for JEFF-3.0 ND-142. The graph plots cross section (in barns) against energy (in MeV). There is a sharp peak at low energies and a gradual decrease at higher energies. The label 'capture' is indicated on the graph.]
JEFF-3.0 ND-142
Non-threshold reactions

Energy (MeV)

Cross section (barns)

$(n,\gamma)$

$(n,a)$
JEFF-3.0 ND-142
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,\gamma\alpha)  
(n,a)
JEFF-3.0 ND-142
Inelastic levels

Energy (MeV)

Cross section (barns)

- (n,n*6)
- (n,n*7)
- (n,n*8)
JEFF-3.0 ND-142
Threshold reactions

Energy (MeV) vs. Cross section (barns)

*10^{-6}

(n,2p)