JEFF-3.1 ZR-93
UR capture cross section

Cross section (barns) vs. Energy (MeV)

- Inf. Dil.
- 100 b
- 1 b
JEFF-3.1 ZR-93
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(\(n,\text{gma}\))
JEFF-3.1 ZR-93 Damage

Energy (MeV) vs. Damage (MeV-barns) graph
JEFF-3.1 ZR-93
Non-threshold reactions

Energy (MeV)

Cross section (barns)

$(n,gma)$
JEFF-3.1 ZR-93
Inelastic levels

Energy (MeV)

Cross section (barns)

- (n,n*1)
- (n,n*2)
- (n,n*3)
- (n,n*4)
- (n,n*5)
JEFF-3.1 ZR-93
Threshold reactions

Cross section (barns) vs Energy (MeV)

- (n,xp)
- (n,xd)
- (n,xt)
- (n,xhe3)
- (n,xa)
JEFF-3.1 ZR-93
angular distribution for elastic
JEFF-3.1 ZR-93
angular distribution for (n,2n)
JEFF-3.1 ZR-93
angular distribution for \((n,n^*)a\)
JEFF-3.1 ZR-93
angular distribution for (n,n*)p
JEFF-3.1 ZR-93
angular distribution for \((n,n^*1)\)
JEFF-3.1 ZR-93
angular distribution for (n,n*2)
JEFF-3.1 ZR-93
angular distribution for (n,n*3)
JEFF-3.1 ZR-93
angular distribution for \((n,n^*4)\)
JEFF-3.1 ZR-93
angular distribution for (n,n*5)
JEFF-3.1 ZR-93
angular distribution for (n,n*6)
JEFF-3.1 ZR-93
angular distribution for (n,n*7)
JEFF-3.1 ZR-93
angular distribution for (n,n*8)
JEFF-3.1 ZR-93
angular distribution for \( (n,n^*9) \)
JEFF-3.1 ZR-93
angular distribution for (n,n*10)

Energy (MeV)

Prob/Cos

Cosine

1.0 0.5 0.0 -0.5 -1.0 0
JEFF-3.1 ZR-93
angular distribution for (n,n\*11)
JEFF-3.1 ZR-93
angular distribution for (n,n*12)
JEFF-3.1 ZR-93
angular distribution for (n,n*c)