Principal cross sections

- Total
- Absorption
- Elastic
- Gamma production

Energy (MeV)

Cross section (barns)
ENDF/B-VII.1 BK-247
Damage

Energy (MeV)

Damage (MeV-barns)
ENDF/B-VII.1 BK-247
Non-threshold reactions

Energy (MeV) vs Cross section (barns) graph

- Black line: fission
- Red line: (n, gma)
ENDF/B-VII.1 BK-247
Principal cross sections

Cross section (barns)

Energy (MeV)

- total
- absorption
- elastic
- gamma production
ENDF/B-VII.1 BK-247
Damage

Energy (MeV)

Damage (MeV-barns)

*10^{-3}
ENDF/B-VII.1 BK-247
Non-threshold reactions

Graph showing the cross section in barns as a function of energy (MeV). The graph includes two lines:
- Black line labeled "fission"
- Red line labeled "(n,gma)"

The y-axis represents the cross section in barns, ranging from $10^{-3}$ to $10^0$. The x-axis represents energy in MeV, ranging from 0 to 20.
ENDF/B-VII.1 BK-247
Inelastic levels

Cross section (barns)

Energy (MeV)

- \((n,n^*1)\)
- \((n,n^*2)\)
- \((n,n^*3)\)
- \((n,n^*4)\)
- \((n,n^*5)\)
ENDF/B-VII.1 BK-247
Inelastic levels

Cross section (barns) vs. Energy (MeV)

- (n,n*6)
- (n,n*7)
- (n,n*8)
ENDF/B-VII.1 BK-247
Threshold reactions

Energy (MeV)

Cross section (barns)

- (n,2n)
- (n,3n)
- (n,4n)
- (n,n^c)
ENDF/B-VII.1 BK-247
angular distribution for elastic
ENDF/B-VII.1 BK-247
angular distribution for (n,n*1)
ENDF/B-VII.1 BK-247
angular distribution for (n,n*2)
ENDF/B-VII.1 BK-247
angular distribution for (n,n*3)
ENDF/B-VII.1 BK-247
angular distribution for \( (n,n^*4) \)
ENDF/B-VII.1 BK-247
angular distribution for (n,n*5)
ENDF/B-VII.1 BK-247
angular distribution for \((n,n^*6)\)
ENDF/B-VII.1 BK-247
angular distribution for (n,n*7)
ENDF/B-VII.1 BK-247
angular distribution for (n,n*8)
ENDF/B-VII.1 BK-247
Total fission nubar

Energy (MeV) vs. Fission nubar
ENDF/B-VII.1 BK-247
Neutron emission for \((n,2n)\)
ENDF/B-VII.1 BK-247
Neutron emission for (n,3n)
ENDF/B-VII.1 BK-247
Neutron emission for fission
ENDF/B-VII.1 BK-247
Neutron emission for (n,4n)
ENDF/B-VII.1 BK-247
Neutron emission for (n,n*c)
ENDF/B-VII.1 BK-247
Photon emission for fission
ENDF/B-VII.1 BK-247
Photon emission for (n,2n)
Photon emission for (n,3n)
ENDF/B-VII.1 BK-247
Photon emission for (n,n*1)
ENDF/B-VII.1 BK-247
Photon emission for (n,n*2)
ENDF/B-VII.1 BK-247
Photon emission for (n,n*3)
ENDF/B-VII.1 BK-247
Photon emission for (n,n*4)
ENDF/B-VII.1 BK-247
Photon emission for (n,n*5)
Photon emission for (n,n*6)

ENDF/B-VII.1 BK-247
ENDF/B-VII.1 BK-247
Photon emission for (n,n*7)
ENDF/B-VII.1 BK-247
Photon emission for (n,n*8)
ENDF/B-VII.1 BK-247
Photon emission for (n,n*c)
ENDF/B-VII.1 BK-247
Photon emission for (n,gma)
ENDF/B-VII.1 BK-247
thermal capture photon spectrum
ENDF/B-VII.1 BK-247
14 MeV photon spectrum