ENDF/B-VII.1 ES-254M1
Principal cross sections

Energy (MeV) vs. Cross section (barns)

- Total
- Absorption
- Elastic
- Gamma production
ENDF/B-VII.1 ES-254M1 Heating

Energy (MeV) vs. Heating (MeV/reaction)

- Heating is plotted on a logarithmic scale.
- The graph shows a sharp decrease in heating as energy increases.
ENDF/B-VII.1 ES-254M1 
Damage

Energy (MeV) vs. Damage (MeV-barns) graph
ENDF/B-VII.1 ES-254M1
Non-threshold reactions

Energy (MeV)

Cross section (barns)

- fission
- (n,n^\text{+1})
- (n,gma)

Energy (MeV)
ENDF/B-VII.1 ES-254M1 Damage

Energy (MeV) vs. Damage (MeV-barns)
ENDF/B-VII.1 ES-254M1
Threshold reactions

Cross section (barns)

Energy (MeV)

- (n,2n)
- (n,3n)
- (n,4n)
- (n,n*c)
ENDF/B-VII.1 ES-254M1
angular distribution for elastic
ENDF/B-VII.1 ES-254M1
Total fission nubar

Energy (MeV)

Fission nubar

0  5  10  15  20

4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20
ENDF/B-VII.1 ES-254M1
Delayed nubar

Energy (MeV)

Delayed nubar
ENDF/B-VII.1 ES-254M1
Photon emission for fission
ENDF/B-VII.1 ES-254M1
Photon emission for (n,2n)
ENDF/B-VII.1 ES-254M1
Photon emission for (n,3n)
ENDF/B-VII.1 ES-254M1
Photon emission for (n,n*2)
Photon emission for \((n,n^*3)\)
ENDF/B-VII.1 ES-254M1
Photon emission for (n,n^*4)
Photon emission for (n,n^*5)
ENDF/B-VII.1 ES-254M1
Photon emission for (n,n*6)
ENDF/B-VII.1 ES-254M1
Photon emission for (n,n*7)
ENDF/B-VII.1 ES-254M1
Photon emission for (n,gma)
ENDF/B-VII.1 ES-254M1
thermal capture photon spectrum
ENDF/B-VII.1 ES-254M1
14 MeV photon spectrum

Gamma Energy (MeV) vs. Gamma Prod (barns/MeV)