ENDF/B-VII RU-105
Damage

Damage (MeV-barns)

Energy (MeV)
The figure shows the cross-section for non-threshold reactions as a function of energy in MeV. The cross-section is plotted on a log-log scale, with the x-axis representing energy in MeV and the y-axis representing cross-section in barns (b). A straight line indicates the (n,gma) reaction, which shows a sharp rise and then a decrease as the energy increases.
ENDF/B-VII RU-105
Damage

Energy (MeV)

Damage (MeV-barns)

*10^{-3}
ENDF/B-VII RU-105
Threshold reactions

Energy (MeV)

Cross section (barns)

- (n,xp)
- (n,xd)
- (n,xt)
- (n,xa)
ENDF/B-VII RU-105
angular distribution for elastic
ENDF/B-VII RU-105
angular distribution for (n,2n)
ENDF/B-VII RU-105
angular distribution for (n,3n)
ENDF/B-VII RU-105
angular distribution for (n,n*)a
ENDF/B-VII RU-105
angular distribution for (n,n*)p

Probl/Cos

1.0 0.5 0.0 -0.5 -1.0 1.0 12 14 16 18 20

Energy (MeV)

Cosine

100
ENDF/B-VII RU-105
angular distribution for (n,n*1)
ENDF/B-VII RU-105
angular distribution for (n,n*2)
ENDF/B-VII RU-105
angular distribution for \((n,n^*3)\)
ENDF/B-VII RU-105
angular distribution for (n,n*4)
ENDF/B-VII RU-105
angular distribution for (n,n*5)
ENDF/B-VII RU-105
angular distribution for (n,n*6)
ENDF/B-VII RU-105
angular distribution for \((n,n^*c)\)
ENDF/B-VII RU-105
Neutron emission for (n,2n)
ENDF/B-VII RU-105
Neutron emission for (n,3n)
ENDF/B-VII RU-105
Neutron emission for \((n,n^*)a\)
ENDF/B-VII RU-105
Neutron emission for \((n,n^*)p\)
ENDF/B-VII RU-105
Neutron emission for \((n,n^c)\)