ENDF/B-VII NI-61
Principal cross sections

Cross section (barns)

Energy (MeV)

- total
- absorption
- elastic
- gamma production
ENDF/B-VII NI-61
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII NI-61
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII NI-61
resonance total cross section

Energy (MeV)

Cross section (barns)
ENDF/B-VII NI-61
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII NI-61
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
ENDF/B-VII NI-61
resonance absorption cross sections

Cross section (barns)

Energy (MeV)

10^0

10^{-3}

10^1
ENDF/B-VII NI-61
Damage

Damage (MeV-barns)

Energy (MeV)
ENDF/B-VII NI-61
Non-threshold reactions

Cross section (barns)

Energy (MeV)
ENDF/B-VII NI-61
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
- gamma production
ENDF/B-VII NI-61
Heating

Heating (MeV/reaction) vs Energy (MeV)
ENDF/B-VII NI-61
Non-threshold reactions

Cross section (barns)

Energy (MeV)
ENDF/B-VII NI-61
Inelastic levels

Cross section (barns) vs. Energy (MeV)

- (n,n*1)
- (n,n*2)
- (n,n*3)
- (n,n*4)
- (n,n*5)
ENDF/B-VII NI-61
Inelastic levels

Energy (MeV)

Cross section (barns)

(n,n*6)
(n,n*7)
(n,n*8)
ENDF/B-VII NI-61
Threshold reactions

Cross section (barns)

Energy (MeV)
ENDF/B-VII NI-61
Threshold reactions

Energy (MeV)

Cross section (barns)

- (n,xp)
- (n,xd)
- (n,xt)
- (n,xa)

Energy (MeV)
angular distribution for elastic
ENDF/B-VII NI-61
angular distribution for elastic
ENDF/B-VII NI-61
Neutron emission for (n,x)
ENDF/B-VII NI-61
Neutron emission for (n,2n)
ENDF/B-VII NI-61
Neutron emission for \((n,n^*)p\)
ENDF/B-VII NI-61
Neutron emission for (n,n*c)
ENDF/B-VII NI-61
Photon emission for (n,gma)
ENDF/B-VII NI-61
Photon emission for (n,x)
ENDF/B-VII NI-61
Photon emission for (n,2n)
ENDF/B-VII NI-61
Photon emission for \((n, n^*)p\)
ENDF/B-VII N1-61
Photon emission for (n,n\*c)
ENDF/B-VII NI-61
Photon emission for (n,p)
ENDF/B-VII NI-61
Photon emission for (n,a)
ENDF/B-VII NI-61
thermal capture photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)
ENDF/B-VII Ni-61
Recoil Heating

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

- Recoil heating
ENDF/B-VII NI-61
Particle production cross sections

Cross section (barns) vs. Energy (MeV)

- Protons
- Deuterons
- Tritons
- Alphas
ENDF/B-VII NI-61
protons from (n,n*)p
ENDF/B-VII NI-61 protons from (n,p)
ENDF/B-VII NI-61 deuterons from (n,x)
ENDF/B-VII NI-61
tritons from (n,x)
ENDF/B-VII NI-61
alphas from \((n,x)\)
ENDF/B-VII NI-61
alphas from (n,a)