JEFF-3.1 S-33
resonance total cross section

Cross section (barns)

Energy (MeV)
JEFF-3.1 S-33
resonance total cross section

Cross section (barns) vs. Energy (MeV)
JEEF-3.1 S-33
resonance total cross section

Energy (MeV) vs. Cross section (barns)

- Line labeled "total"
JEFF-3.1 S-33 resonance absorption cross sections

Cross section (barns)

Energy (MeV)
JEFF-3.1 S-33 resonance absorption cross sections

![Graph showing resonance absorption cross sections with energetic transitions marked as 'capture']
JEFF-3.1 S-33 resonance absorption cross sections

Energy (MeV)

Capture

Cross section (barns)
JEFF-3.1 S-33
Damage

![Graph showing damage (MeV-barns) vs. Energy (MeV)]
Non-threshold reactions

Energy (MeV) vs Cross section (barns) graph for (n,gma), (n,p), (n,a), (n,xp), and (n,xa) reactions.
JEFF-3.1 S-33
Principal cross sections

Energy (MeV)

Cross section (barns)

total
absorption
elastic
gamma production

Energy (MeV)
JEFF-3.1 S-33
Damage

Energy (MeV)

Damage (MeV-barns)
JEFF-3.1 S-33
Non-threshold reactions

Cross section (barns)

Energy (MeV)

(n,gma)
(n,p)
(n,a)
(n,xp)
(n,xa)
JEFF-3.1 S-33
Threshold reactions

Energy (MeV)

Cross section (barns)

- \((n,2n)\)
- \((n,n^*)a\)
- \((n,n^*)p\)
- \((n,n^*c)\)
JEFF-3.1 S-33
angular distribution for elastic
JEFF-3.1 S-33
angular distribution for \((n,n^*1)\)
JEFF-3.1 S-33
angular distribution for (n,n*2)
JEFF-3.1 S-33
angular distribution for (n,n*3)
JEFF-3.1 S-33
angular distribution for (n,n*4)
JEFF-3.1 S-33
angular distribution for (n,n*5)
JEFF-3.1 S-33
angular distribution for (n,n*6)
JEFF-3.1 S-33
angular distribution for (n,n*7)
JEFF-3.1 S-33
angular distribution for (n,n*c)
JEFF-3.1 S-33
Neutron emission for (n,2n)
JEFF-3.1 S-33
Neutron emission for \((n,n^*)a\)
JEFF-3.1 S-33
Neutron emission for \((n,n^*)p\)
JEFF-3.1 S-33
Neutron emission for (n,n^c)
JEFF-3.1 S-33
Photon emission for (n,2n)
JEFF-3.1 S-33
Photon emission for (n,n*)a
JEFF-3.1 S-33
Photon emission for \((n,n^*)p\)
JEFF-3.1 S-33
Photon emission for \((n,n^*c)\)
JEFF-3.1 S-33
Photon emission for (n,gma)
JEFF-3.1 S-33
Photon emission for (n,p)
JEFF-3.1 S-33
Photon emission for (n,a)
JEFF-3.1 S-33
thermal capture photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)
JEFF-3.1 S-33
14 MeV photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)