JEFF-3.1 HG-196
resonance total cross section

Cross section (barns)

Energy (MeV)
JEFF-3.1 HG-196
resonance absorption cross sections

Cross section (barns) vs. Energy (MeV)
JEFF-3.1 HG-196
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

10^{-2}

10^{-3}

10^{-4}

10^{-5}

10^0

10^1
JEFF-3.1 HG-196

Damage

Energy (MeV)

Damage (MeV-barns)
JEFF-3.1 HG-196
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
JEFF-3.1 HG-196
Principal cross sections

Cross section (barns)

Energy (MeV)

- total
- absorption
- elastic
- gamma production
JEFF-3.1 HG-196
Non-threshold reactions

Energy (MeV)

Cross section (barns)

\[(n,\text{gma})\]
JEFF-3.1 HG-196
Threshold reactions

Energy (MeV)

Cross section (barns)

- (n, p)
- (n, d)
- (n, a)
JEFF-3.1 HG-196
angular distribution for elastic
JEFF-3.1 HG-196
angular distribution for (n,n*1)
JEFF-3.1 HG-196
angular distribution for (n,n*2)
JEFF-3.1 HG-196
angular distribution for (n,n*3)
JEFF-3.1 HG-196
angular distribution for \((n,n^*4)\)
JEFF-3.1 HG-196
angular distribution for (n,n*5)
JEFF-3.1 HG-196
angular distribution for (n,n*6)
JEFF-3.1 HG-196
angular distribution for (n,n*7)
JEFF-3.1 HG-196
angular distribution for (n,n*8)
JEFF-3.1 HG-196
angular distribution for (n,n*9)
JEFF-3.1 HG-196
angular distribution for (n,n*10)
JEFF-3.1 HG-196
angular distribution for (n,n*11)
JEFF-3.1 HG-196
angular distribution for \((n,n^{*12})\)
JEFF-3.1 HG-196
angular distribution for (n,n*13)
JEFF-3.1 HG-196
angular distribution for (n,n*14)
JEFF-3.1 HG-196
angular distribution for (n,n*15)
JEFF-3.1 HG-196
angular distribution for (n,n*16)
JEFF-3.1 HG-196
angular distribution for \((n,n^*17)\)
JEFF-3.1 HG-196
angular distribution for (n,n^*18)
JEFF-3.1 HG-196
angular distribution for (n,n*19)
JEFF-3.1 HG-196
angular distribution for \((n,n^*20)\)
JEFF-3.1 HG-196
angular distribution for (n,n*c)
JEFF-3.1 HG-196
Neutron emission for (n,2n)
JEFF-3.1 HG-196
Neutron emission for (n,3n)
JEFF-3.1 HG-196
Neutron emission for (n,n*)a
JEFF-3.1 HG-196
Neutron emission for (n,n*)p

Energy (MeV)

Sec. Energy

ProbaMeV

$10^{-1}$

$10^{-3}$
JEFF-3.1 HG-196
Neutron emission for (n,n*c)
JEFF-3.1 HG-196
Photon emission for (n,2n)
JEFF-3.1 HG-196
Photon emission for (n,3n)
JEFF-3.1 HG-196
Photon emission for \((n,n^*)a\)
JEFF-3.1 HG-196
Photon emission for \((n,n^*)p\)
JEFF-3.1 HG-196
Photon emission for (n,n^*c)
JEFF-3.1 HG-196
Photon emission for (n,gma)
JEFF-3.1 HG-196
Photon emission for (n,p)
JEFF-3.1 HG-196
Photon emission for (n,d)
JEFF-3.1 HG-196
thermal capture photon spectrum
JEFF-3.1 HG-196
14 MeV photon spectrum