ENDF/B-VII.1 TL-205
Principal cross sections

![Graph showing cross sections vs energy for ENDF/B-VII.1 TL-205](image_url)
ENDF/B-VII.1 TL-205
resonance total cross section

Energy (MeV)

Cross section (barns)

10^{-3}  10^{-2}  10^{-1}  10^{0}  10^{1}  10^{2}  10^{3}

10^{-3}  10^{-2}  10^{-1}  10^{0}  10^{1}  10^{2}  10^{3}

Energy (MeV)
ENDF/B-VII.1 TL-205
resonance total cross section

Energy (MeV) vs. Cross section (barns) graph
ENDF/B-VII.1 TL-205
resonance absorption cross sections

Energy (MeV) vs. Cross section (barns) graph

- Capture process indicated.
ENDF/B-VII.1 TL-205
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
ENDF/B-VII.1 TL-205
UR total cross section

Energy (MeV) vs. Cross section (barns)

- Inf. Dil.
- 100 b
- 1 b
ENDF/B-VII.1 TL-205
UR elastic cross section

Energy (MeV) - Cross section (barns)

- Inf. Dil.
- 100 b
- 1 b
ENDF/B-VII.1 TL-205
UR capture cross section

Energy (MeV)

Cross section (barns)

Inf. Dil.
100 b
1 b

Energy (MeV)
ENDF/B-VII.1 TL-205
Damage

![Graph showing the relationship between Energy (MeV) and Damage (MeV-barns). The graph has a logarithmic scale on both axes. The x-axis represents Energy (MeV) ranging from $10^{-11}$ to $10^1$, and the y-axis represents Damage (MeV-barns) ranging from $10^{-6}$ to $10^0$. The graph shows a gradual increase in damage with increasing energy, with a spike at a specific energy level.]
ENDF/B-VII.1 TL-205
Non-threshold reactions

![Graph showing non-threshold reactions. The x-axis represents energy (MeV) ranging from $10^{-11}$ to $10^{1}$, and the y-axis represents cross section (barns) ranging from $10^{-4}$ to $10^{2}$. The line labeled (n,gma) illustrates the cross section behavior across different energy levels.]
ENDF/B-VII.1 TL-205 Heating

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

The graph shows the heating in MeV per reaction as a function of energy in MeV. The heating values are given in scientific notation, ranging from $10^{-3}$ to 40 MeV, and the energy ranges from 0 to 30 MeV.
ENDF/B-VII.1 TL-205
Inelastic levels

Energy (MeV)

Cross section (barns)

- (n,n*1)
- (n,n*2)
- (n,n*3)
- (n,n*4)
- (n,n*5)

Energy (MeV)

0 5 10 15 20 25 30

0 0.1 0.2 0.3 0.4 0.5 0.6
ENDF/B-VII.1 TL-205
Inelastic levels

Cross section (barns) vs Energy (MeV)

- (n,n*16)
- (n,n*17)
- (n,n*18)
- (n,n*19)
- (n,n*20)
ENDF/B-VII.1 TL-205
Inelastic levels

Energy (MeV)

Cross section (barns)

(n,n^21)
(n,n^22)
(n,n^23)
(n,n^24)
(n,n^25)
ENDF/B-VII.1 TL-205
angular distribution for elastic

Energy (MeV)
ENDF/B-VII.1 TL-205
angular distribution for (n,n*1)
ENDF/B-VII.1 TL-205
angular distribution for \((n,n^*2)\)
ENDF/B-VII.1 TL-205
angular distribution for (n,n*3)
ENDF/B-VII.1 TL-205
angular distribution for (n,n*4)
ENDF/B-VII.1 TL-205
angular distribution for (n,n*5)
ENDF/B-VII.1 TL-205
angular distribution for (n,n*6)
ENDF/B-VII.1 TL-205
angular distribution for (n,n*7)
ENDF/B-VII.1 TL-205
angular distribution for (n,n*8)
ENDF/B-VII.1 TL-205
angular distribution for (n,n*9)
ENDF/B-VII.1 TL-205
angular distribution for (n,n*10)
ENDF/B-VII.1 TL-205
angular distribution for (n,n*11)
ENDF/B-VII.1 TL-205 angular distribution for (n,n*12)
ENDF/B-VII.1 TL-205
angular distribution for (n,n*13)
ENDF/B-VII.1 TL-205
angular distribution for (n,n*14)
ENDF/B-VII.1 TL-205
angular distribution for (n,n*15)
ENDF/B-VII.1 TL-205
angular distribution for \((n,n*16)\)
ENDF/B-VII.1 TL-205
angular distribution for (n,n*17)
ENDF/B-VII.1 TL-205
angular distribution for (n,n*18)
ENDF/B-VII.1 TL-205
angular distribution for (n,n*19)
ENDF/B-VII.1 TL-205
angular distribution for (n,n^*20)
ENDF/B-VII.1 TL-205
angular distribution for (n,n*21)
ENDF/B-VII.1 TL-205
angular distribution for \((n,n^*22)\)
ENDF/B-VII.1 TL-205
angular distribution for (n,n*23)
ENDF/B-VII.1 TL-205
angular distribution for (n,n^*24)
ENDF/B-VII.1 TL-205
angular distribution for (n,n*25)
ENDF/B-VII.1 TL-205 angular distribution for \((n,n^\star26)\)
ENDF/B-VII.1 TL-205
angular distribution for (n,n*27)
ENDF/B-VII.1 TL-205
angular distribution for (n,n*28)
ENDF/B-VII.1 TL-205
angular distribution for (n,n^29)
ENDF/B-VII.1 TL-205
angular distribution for (n,n*30)
ENDF/B-VII.1 TL-205
angular distribution for (n,n*31)
ENDF/B-VII.1 TL-205
angular distribution for (n,n*32)
ENDF/B-VII.1 TL-205 angular distribution for (n,n*33)

Energy (MeV)

Cosine

Prob/Cos
ENDF/B-VII.1 TL-205
angular distribution for (n,n*34)
ENDF/B-VII.1 TL-205
angular distribution for (n,n*35)
ENDF/B-VII.1 TL-205
angular distribution for (n,n*36)
ENDF/B-VII.1 TL-205
angular distribution for $(n,n^*37)$
ENDF/B-VII.1 TL-205
angular distribution for (n, n^*38)
ENDF/B-VII.1 TL-205
angular distribution for (n,n*39)
ENDF/B-VII.1 TL-205
Neutron emission for (n,2n)
ENDF/B-VII.1 TL-205
Neutron emission for (n,3n)
ENDF/B-VII.1 TL-205
Neutron emission for (n,4n)
ENDF/B-VII.1 TL-205
Neutron emission for (n,n^c)
ENDF/B-VII.1 TL-205
Photon emission for \((n,2n)\)
ENDF/B-VII.1 TL-205
Photon emission for (n,3n)
ENDF/B-VII.1 TL-205
Photon emission for (n,4n)
ENDF/B-VII.1 TL-205
Photon emission for (n,n*c)
ENDF/B-VII.1 TL-205
Photon emission for (n,gma)
ENDF/B-VII.1 TL-205
thermal capture photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)
ENDF/B-VII.1 TL-205
14 MeV photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)