ENDF/B-IV RE-187
Principal cross sections

![Graph showing cross sections vs. energy.](image_url)
ENDF/B-IV RE-187
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-IV RE-187
resonance total cross section
ENDF/B-IV RE-187
resonance total cross section

Energy (MeV)

Cross section (barns)

10^2
10^1
10^0
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
10^{-6}
10^{-7}

- total
ENDF/B-IV RE-187
resonance total cross section
ENDF/B-IV RE-187
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-IV RE-187
resonance total cross section

Energy (MeV)

Cross section (barns)

10^{-4} 10^{-3} 10^{2}
E\textsuperscript{\text{\textalpha\text{-}}NDF/B-IV RE-187

resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-IV RE-187
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-IV RE-187
resonance absorption cross sections

Capture cross section as a function of energy (MeV). The cross section decreases linearly with increasing energy.
ENDF/B-IV RE-187
resonance absorption cross sections

capture
ENDF/B-IV RE-187
capture
resonance absorption cross sections

Cross section (barns)

Energy (MeV)

$10^{-9}$

$10^{-8}$
ENDF/B-IV RE-187
resonance absorption cross sections

Cross section (barns)
Energy (MeV)
ENDF/B-IV RE-187
resonance absorption cross sections

Energy (MeV)

Cross section (barns)
ENDF/B-IV RE-187 resonance absorption cross sections

Cross section (barns) vs. Energy (MeV)

- Capture line
ENDF/B-IV RE-187
resonance absorption cross sections

capture
ENDF/B-IV RE-187
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture

10^{-2}  10^{-1}  10^{0}
ENDF/B-IV RE-187
UR total cross section

Energy (MeV) vs. Cross section (barns)

- Inf. Dil.
- 100 b
- 1 b

Energy (MeV):
- $10^{-4}$
- $10^{-3}$
- $10^{-2}$
- $10^{-1}$

Cross section (barns):
- $10^1$
- $10^2$

Graph showing the total cross section for UR at different energies.
ENDF/B-IV RE-187
UR capture cross section

Energy (MeV)

Cross section (barns)

Inf. Dil.

100 b

1 b

Energy (MeV)
ENDF/B-IV RE-187

Heating

Heating (MeV/reaction)

Energy (MeV)
ENDF/B-IV RE-187
Non-threshold reactions

![Graph showing cross-section vs energy for non-threshold reactions](image-url)
ENDF/B-IV RE-187
Non-threshold reactions

Cross section (barns)

Energy (MeV)

(n,gma)
ENDF/B-IV RE-187
Inelastic levels

Energy (MeV)

Cross section (barns)

(n,n*6)
(n,n*7)
(n,n*8)
(n,n*9)
(n,n*10)
ENDF/B-IV RE-187
Inelastic levels

Energy (MeV)

Cross section (barns)

(n,n*11)
ENDF/B-IV RE-187
Threshold reactions

Cross section (barns)

Energy (MeV)

- (n,2n)
- (n,3n)
- (n,n^c)
ENDF/B-IV RE-187
angular distribution for (n,2n)
ENDF/B-IV RE-187
angular distribution for (n,3n)
ENDF/B-IV RE-187
angular distribution for (n,n*1)
ENDF/B-IV RE-187
angular distribution for (n,n*2)
ENDF/B-IV RE-187
angular distribution for (n,n*4)
ENDF/B-IV RE-187
angular distribution for (n,n*5)
ENDF/B-IV RE-187
angular distribution for (n,n*6)
ENDF/B-IV RE-187
angular distribution for (n,n*7)
ENDF/B-IV RE-187
angular distribution for (n,n*8)
ENDF/B-IV RE-187
angular distribution for (n,n*9)
ENDF/B-IV RE-187
angular distribution for (n,n*10)
ENDF/B-IV RE-187
angular distribution for (n,n*11)
ENDF/B-IV RE-187
angular distribution for (n,n*c)