JEFF-3.1 HF-177
Principal cross sections

Energy (MeV)

Cross section (barns)

- **total**
- **absorption**
- **elastic**
- **gamma production**
JEFF-3.1 HF-177
resonance total cross section
JEFF-3.1 HF-177
resonance total cross section

Cross section (barns) vs. Energy (MeV). The graph shows multiple resonances with peaks at various energies.
JEFF-3.1 HF-177
resonance total cross section

Energy (MeV)

Cross section (barns)
JEFF-3.1 HF-177
resonance total cross section

Energy (MeV)

Cross section (barns)

total
JEFF-3.1 HF-177 resonance total cross section
JEFF-3.1 HF-177
resonance total cross section

Energy (MeV)

Cross section (barns)

total
JEFF-3.1 HF-177
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

10^3

10^2

10^{-7}

10^{-6}

Energy (MeV)
JEFF-3.1 HF-177
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
JEFF-3.1 HF-177
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
JEFF-3.1 HF-177
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
JEFF-3.1 HF-177
resonance absorption cross sections

Energy (MeV) vs. Cross section (barns)

- The graph shows the resonance absorption cross sections for HF-177.
- The x-axis represents energy in MeV, ranging from $10^0$ to $10^1$.
- The y-axis represents the cross section in barns, ranging from $10^{-5}$ to $10^{-1}$.
- The curve indicates a decrease in cross section with increasing energy.
JEFF-3.1 HF-177
UR elastic cross section

Cross section (barns)

Energy (MeV)
JEFF-3.1 HF-177

UR capture cross section

Energy (MeV) vs. Cross section (barns)

- Inf. Dil.
- 100 b
- 1 b
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
JEFF-3.1 HF-177
Principal cross sections

Energy (MeV)

Cross section (barns)

total
absorption
elastic
gamma production

Energy (MeV)
JEFF-3.1 HF-177
Heating

Energy (MeV)

Heating (MeV/reaction)
JEFF-3.1 HF-177
Non-threshold reactions

Cross section (barns)

Energy (MeV)

(n,gma)
JEFF-3.1 HF-177
Threshold reactions

Energy (MeV)

Cross section (barns)

- (n,2n)
- (n,3n)
- (n,n*c)
- (n,p)
- (n,a)
JEFF-3.1 HF-177
Threshold reactions

Cross section (barns) vs. Energy (MeV)

- (n,xp)
- (n,xa)
JEFF-3.1 HF-177
angular distribution for elastic

Energy (MeV)
JEFF-3.1 HF-177
angular distribution for (n,n*1)
JEFF-3.1 HF-177
angular distribution for (n,n*2)
JEFF-3.1 HF-177
angular distribution for (n,n*3)
JEFF-3.1 HF-177 angular distribution for (n,n*4)
JEFF-3.1 HF-177
angular distribution for (n,n*5)
JEFF-3.1 HF-177
angular distribution for \((n,n^*6)\)
JEFF-3.1 HF-177
angular distribution for (n,n*7)
JEFF-3.1 HF-177
angular distribution for (n,n\*8)
JEFF-3.1 HF-177
angular distribution for (n,n*9)
JEFF-3.1 HF-177
angular distribution for (n,n*10)
JEFF-3.1 HF-177
angular distribution for (n,n*11)
JEFF-3.1 HF-177
angular distribution for (n,n*12)
JEFF-3.1 HF-177
angular distribution for (n,n*13)
JEFF-3.1 HF-177
angular distribution for (n,n*14)
JEFF-3.1 HF-177
angular distribution for (n,n*15)
JEFF-3.1 HF-177
angular distribution for (n,n*16)
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Neutron emission for (n,2n)
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Neutron emission for (n,3n)
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Photon emission for (n,2n)
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Photon emission for (n,n*c)
JEFF-3.1 HF-177
Photon emission for (n,gma)
JEFF-3.1 HF-177
Photon emission for (n,a)
JEFF-3.1 HF-177
thermal capture photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)
JEFF-3.1 HF-177
14 MeV photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)