JEFF-3.1 CD-112
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic

Energy (MeV)
JEFF-3.1 CD-112
resonance total cross section
JEFF-3.1 CD-112
resonance total cross section

Energy (MeV)

Cross section (barns)
JEFF-3.1 CD-112
resonance absorption cross sections

Cross section (barns)

Energy (MeV)
JEFF-3.1 CD-112 resonance absorption cross sections

Cross section (barns) vs. Energy (MeV)
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UR capture cross section

Energy (MeV) vs. Cross section (barns)

- Inf. Dil.
- 100 b
- 1 b
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Damage

Damage (MeV-barns) vs. Energy (MeV)

- Damage curve

Energy (MeV) ranges from $10^{-11}$ to $10^1$.
JEFF-3.1 CD-112
Principal cross sections

Energy (MeV) vs. Cross section (barns)

- Total cross section
- Absorption cross section
- Elastic cross section
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Non-threshold reactions

Cross section (barns)

Energy (MeV)
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Inelastic levels

![Graph showing cross section (barns) vs. energy (MeV) for different reactions: (n,n*6), (n,n*7), and (n,n*8).](image)
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angular distribution for elastic
JEFF-3.1 CD-112
Neutron emission for (n,2n)
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Neutron emission for (n,3n)
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Neutron emission for \((n,n^*)a\)
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Neutron emission for (n,n*)p
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Neutron emission for (n,n*)d

Energy (MeV)

Sec. Energy

ProbaMeV

10^0
10^-2
10^-4
10^-6
10^-8
10^-10
10^-12
10^-14
10^-16
10^-18
10^-20

Energy (MeV)
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Neutron emission for (n,n*)t
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Neutron emission for (n,n^c)