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Principal cross sections

Cross section (barns)

Energy (MeV)

Total, Absorption, Elastic, Gamma Production
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resonance absorption cross sections

Cross section (barns)

Energy (MeV)

capture
fission
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resonance absorption cross sections

Cross section (barns)

Energy (MeV)
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Non-threshold reactions

Cross section (barns) vs. Energy (MeV)

- Fission
- $(n,gma)$
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Non-threshold reactions

Energy (MeV)

Cross section (barns)

fission
(n,gma)
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angular distribution for elastic
JEFF-3.0 CF-252
angular distribution for (n,2n)
JEFF-3.0 CF-252
angular distribution for (n,3n)
JEFF-3.0 CF-252
angular distribution for fission
JEFF-3.0 CF-252
angular distribution for (n,4n)
JEFF-3.0 CF-252
angular distribution for (n,n*c)
JEFF-3.0 CF-252
Neutron emission for (n,2n)
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Neutron emission for (n,3n)
JEFF-3.0 CF-252
Neutron emission for (n,4n)
JEFF-3.0 CF-252
Photon emission for fission

\[ P(E_\gamma) = \frac{1}{2} E_\gamma \left( \frac{E_\gamma}{E_\gamma + M_V} \right) \]
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Photon emission for (n,gma)
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Photon emission for nonelastic
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thermal capture photon spectrum
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14 MeV photon spectrum