The graph shows the resonance total cross section for JEFF-3.1 K-41, with the cross section plotted on a logarithmic scale (barns) against energy (MeV). The peaks in the curve indicate specific resonances at various energies.
JEFF-3.1 K-41
resonance total cross section

Cross section (barns)

Energy (MeV)
JEFF-3.1 K-41
resonance total cross section

Energy (MeV)

Cross section (barns)

10^{-1}

10^{0}

10^{1}
JEFF-3.1 K-41
resonance absorption cross sections

Cross section (barns) vs. Energy (MeV)
JEFF-3.1 K-41 resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
JEFF-3.1 K-41
resonance absorption cross sections
JEFF-3.1 K-41
resonance absorption cross sections

capture
JEFF-3.1 K-41
Heating

Energy (MeV)

Heating (MeV/reaction)
JEFF-3.1 K-41
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
JEFF-3.1 K-41
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n, gma)
JEFF-3.1 K-41
Inelastic levels

Cross section (barns)

Energy (MeV)
JEFF-3.1 K-41
Threshold reactions

Energy (MeV)

(n,2n)
(n,n*)a
(n,n*)p
(n,n*c)
(n,p)

Cross section (barns)

Energy (MeV)
JEFF-3.1 K-41
angular distribution for elastic
JEFF-3.1 K-41
angular distribution for (n,n*1)
JEFF-3.1 K-41
angular distribution for \((n, n^*2)\)
JEFF-3.1 K-41
angular distribution for (n,n*o)
JEFF-3.1 K-41
Neutron emission for (n,2n)
JEFF-3.1 K-41
Neutron emission for (n,n*)a
JEFF-3.1 K-41
Neutron emission for (n,n*)p
JEFF-3.1 K-41
Neutron emission for (n,n*c)
JEFF-3.1 K-41
Photon emission for \((n,2n)\)
JEFF-3.1 K-41
Photon emission for \((n,n^*)a\)
JEFF-3.1 K-41
Photon emission for (n,n*)p
JEFF-3.1 K-41
Photon emission for \((n,n^*c)\)
JEFF-3.1 K-41
Photon emission for (n,gma)
JEFF-3.1 K-41
Photon emission for (n,p)
JEFF-3.1 K-41
Photon emission for (n,a)
JEFF-3.1 K-41
thermal capture photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)
JEFF-3.1 K-41
14 MeV photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)