ENDF/B-VII KR-85
resonance total cross section

Energy (MeV)

Cross section (barns)
ENDF/B-VII KR-85
resonance total cross section

Energy (MeV)

Cross section (barns)
ENDF/B-VII KR-85
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

Capture
ENDF/B-VII KR-85
UR total cross section

Cross section (barns) vs. Energy (MeV)
ENDF/B-VII KR-85

Heating

Energy (MeV)

Heating (MeV/reaction)
ENDF/B-VII KR-85
Principal cross sections

Cross section (barns)

Energy (MeV)

Total
Absorption
Elastic
Gamma production

0 2 4 6 8 10 12 14 16 18 20
0 1 2 3 4 5 6 7 8

Graph showing the principal cross sections as functions of energy (MeV) for total, absorption, elastic, and gamma production.
ENDF/B-VII KR-85 Heating

Heating (MeV/reaction) vs. Energy (MeV) graph.
ENDF/B-VII KR-85
Non-threshold reactions

![Graph showing cross section vs. energy for (n,gma) reaction. The x-axis represents energy in MeV ranging from 0 to 20, and the y-axis represents cross section in barns on a logarithmic scale ranging from $10^{-3}$ to $10^{-2}$. The curve shows a steep decline for energies below 2 MeV, followed by a plateau and a gradual decline.](image-url)
ENDF/B-VII KR-85
Inelastic levels

Energy (MeV)

Cross section (barns)

*(n,n*6)
*(n,n*7)
ENDF/B-VII KR-85
Threshold reactions

Energy (MeV)

Cross section (barns)

- (n,2n)
- (n,3n)
- (n,n*)a
- (n,2n)a
- (n,n*)p

Energy (MeV)
ENDF/B-VII KR-85
Threshold reactions

Cross section (barns)

Energy (MeV)
ENDF/B-VII KR-85
Threshold reactions

Cross section (barns) vs. Energy (MeV)

- (n,p*8)
- (n,p*9)
- (n,p*c)
- (n,a*0)
- (n,a*1)
ENDF/B-VII KR-85
Threshold reactions

Energy (MeV)

Cross section (barns)

- (n,a\*7)
- (n,a\*8)
- (n,a\*9)
- (n,a\*10)
- (n,a\*11)
ENDF/B-VII KR-85
Threshold reactions

![Graph showing cross section vs. energy for threshold reactions (n,a*17), (n,a*18), and (n,a*c)].

Cross section (barns) vs. Energy (MeV). The graph depicts the cross section for different reactions as a function of energy.
ENDF/B-VII KR-85
angular distribution for elastic
ENDF/B-VII KR-85
angular distribution for (n,n*1)

Energy (MeV)

Cosine

Prob/Cos
ENDF/B-VII KR-85
angular distribution for \( (n,n^*2) \)
ENDF/B-VII KR-85
angular distribution for (n,n*3)
ENDF/B-VII KR-85 angular distribution for (n,n*4)
ENDF/B-VII KR-85
angular distribution for (n,n*5)
ENDF/B-VII KR-85
angular distribution for \((n,n^6)\)
ENDF/B-VII KR-85
angular distribution for (n,n*7)
ENDF/B-VII KR-85
Neutron emission for (n,3n)
ENDF/B-VII KR-85
Neutron emission for \((n,n^*)a\)
ENDF/B-VII KR-85
Neutron emission for (n,n*)p
ENDF/B-VII KR-85
Neutron emission for (n,2np)
ENDF/B-VII KR-85
Neutron emission for (n,n*c)
ENDF/B-VII KR-85
Photon emission for (n,2n)
ENDF/B-VII KR-85
Photon emission for \( (n,3n) \)
ENDF/B-VII KR-85
Photon emission for \((n,n^*)a\)
Photon emission for (n,n*)p
ENDF/B-VII KR-85
Photon emission for (n,2np)
Photon emission for (n,n'c)

ENDF/B-VII KR-85

Photon emission for (n,n'c)
ENDF/B-VII KR-85
Photon emission for (n,gma)
ENDF/B-VII KR-85
Photon emission for (n,p*c)
ENDF/B-VII KR-85
Photon emission for (n,a*c)
ENDF/B-VII KR-85
thermal capture photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)

Gamma Energy (MeV)
ENDF/B-VII KR-85
14 MeV photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)
ENDF/B-VII KR-85
Particle heating contributions

Energy (MeV)

MeV/collision

- protons
- alphas

Energy (MeV)
Recoil Heating

Energy (MeV) vs Heating (MeV/reaction) graph for ENDF/B-VII KR-85.
ENDF/B-VII KR-85 protons from \((n,n^*p)\)
ENDF/B-VII KR-85
protons from \((n,2np)\)
ENDF/B-VII KR-85
angular distribution for (n,p\(^*\)0) proton
ENDF/B-VII KR-85
angular distribution for (n,p*) proton

Energy (MeV)

Cosine

Probl/Cos

10^0

10^-1

10^-2

10^-3

10^-4

10^-5

10^-6
ENDF/B-VII KR-85
angular distribution for (n,p²) proton

Energy (MeV)

Cosine

Prob/Cos
angular distribution for (n,p*) proton

ENDF/B-VII KR-85
ENDF/B-VII KR-85
angular distribution for \((n,p^*4)\) proton
angular distribution for (n,p*) proton
ENDF/B-VII KR-85
angular distribution for (n,p*6) proton

Energy (MeV)

Cosine

Prob/Cos
ENDF/B-VII KR-85
angular distribution for (n,p*7) proton
ENDF/B-VII KR-85
angular distribution for (n,p*8) proton
ENDF/B-VII KR-85
protons from (n,p*c)
ENDF/B-VII KR-85
alphas from (n,n*)a

Energy (MeV)

Sec. Energy

Prob/MeV

10^-1
10^-2
10^-3
10^0
10^1
10^2
10^3
10^4
10^5
10^6
10^7
10^8
10^9
10^10
10^11
10^12
10^13
10^14
10^15
10^16
10^17
10^18
ENDF/B-VII KR-85
alphas from (n,2n)a

![Graph showing the probability per MeV as a function of energy and secondary energy.]
ENDF/B-VII KR-85
angular distribution for \((n,a^*0)\) alpha
ENDF/B-VII KR-85
angular distribution for \((n,a^*1)\) alpha

Energy (MeV)

Cosine

Prob/Cos
ENDF/B-VII KR-85
angular distribution for (n,a*2) alpha
ENDF/B-VII KR-85
angular distribution for (n,a*3) alpha

Energy (MeV)

Prob/Cos

Cosine

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0
ENDF/B-VII KR-85
angular distribution for (n,a*4) alpha
ENDF/B-VII KR-85
angular distribution for (n,a*6) alpha
ENDF/B-VII KR-85
angular distribution for (n,a*7) alpha
ENDF/B-VII KR-85
angular distribution for \((n,a^*8)\) alpha
ENDF/B-VII KR-85
angular distribution for (n,a*9) alpha
ENDF/B-VII KR-85

Angular distribution for (n,a*10) alpha
ENDF/B-VII KR-85
angular distribution for (n,a*12) alpha
ENDF/B-VII KR-85
angular distribution for (n,a*13) alpha
ENDF/B-VII KR-85 angular distribution for (n,a*14) alpha
ENDF/B-VII KR-85
angular distribution for (n,a*15) alpha
ENDF/B-VII KR-85
angular distribution for (n,a*16) alpha
ENDF/B-VII KR-85
angular distribution for (n,a*17) alpha

![Graph showing angular distribution for (n,a*17) alpha]
ENDF/B-VII KR-85
angular distribution for (n,a*18) alpha
ENDF/B-VII KR-85
alphas from (n,a*c)