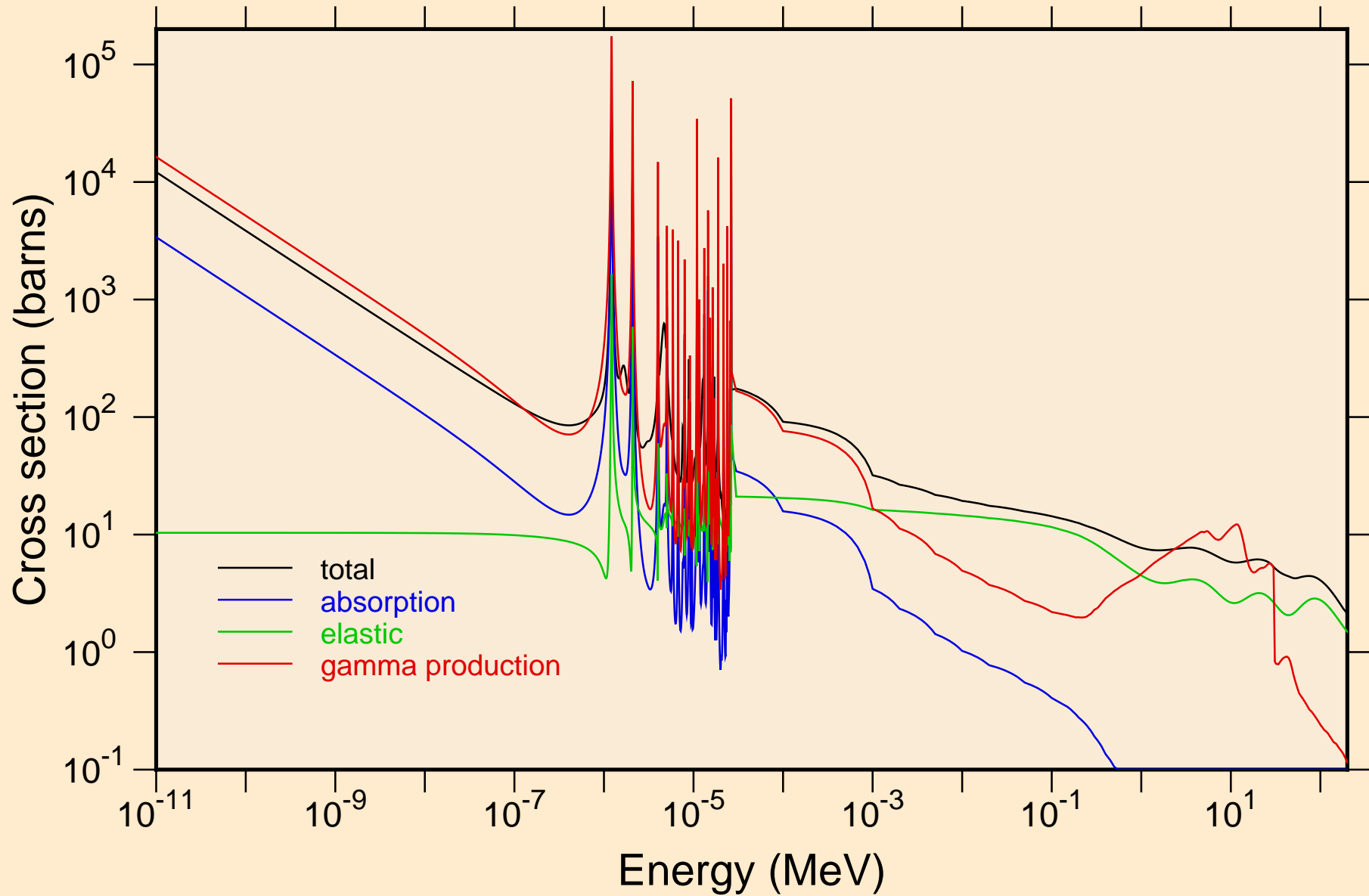
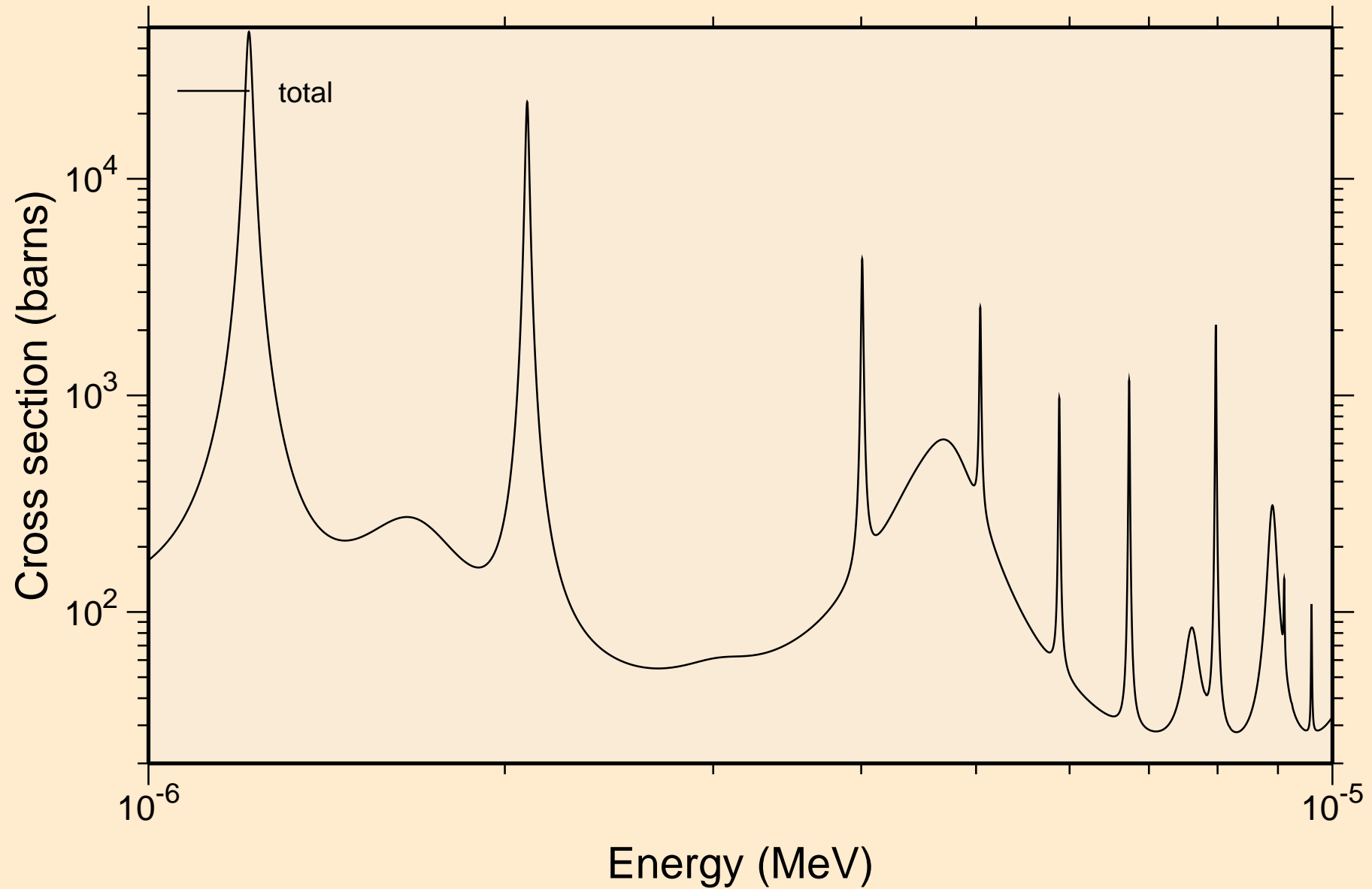


TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

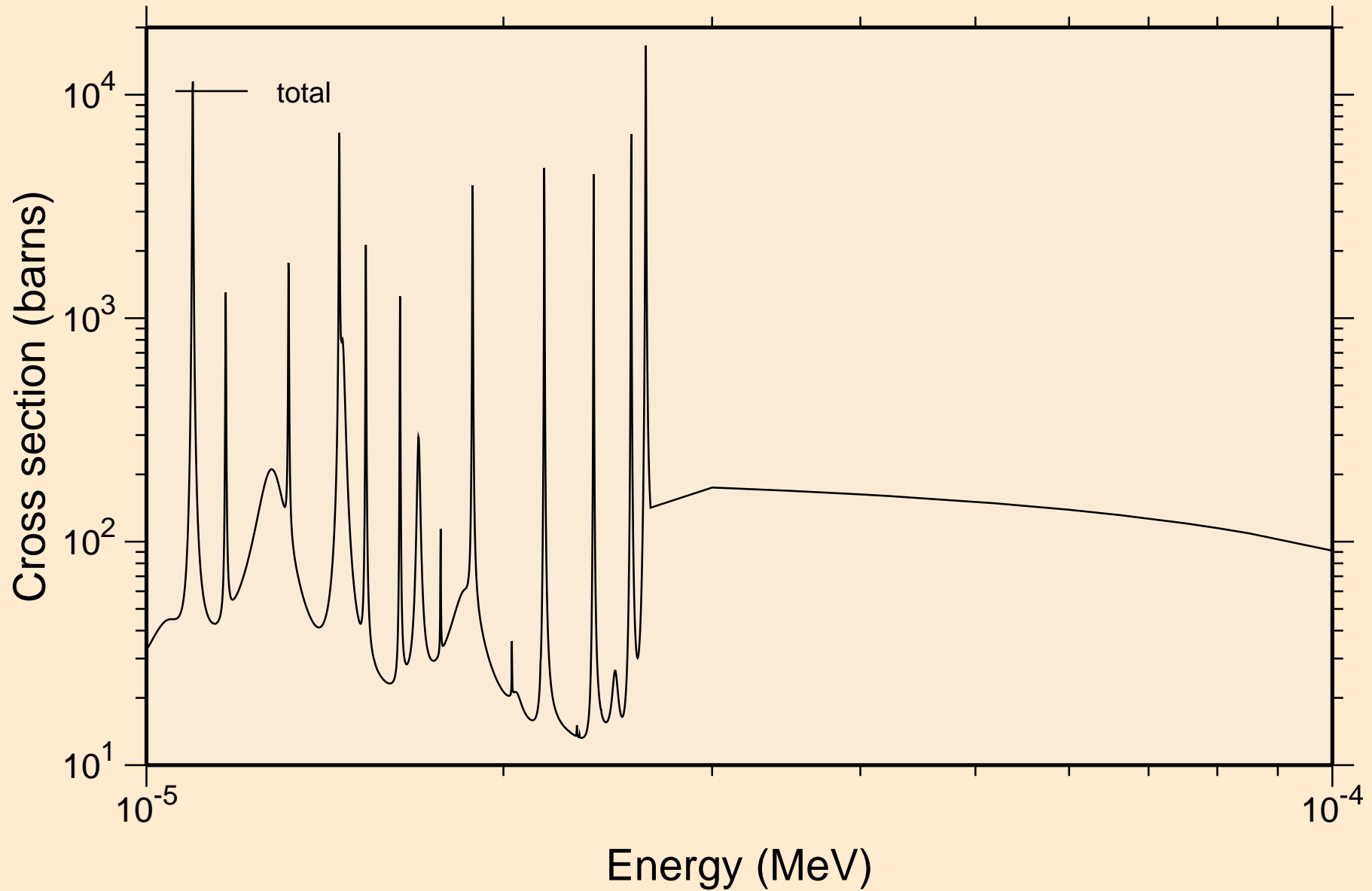
Principal cross sections



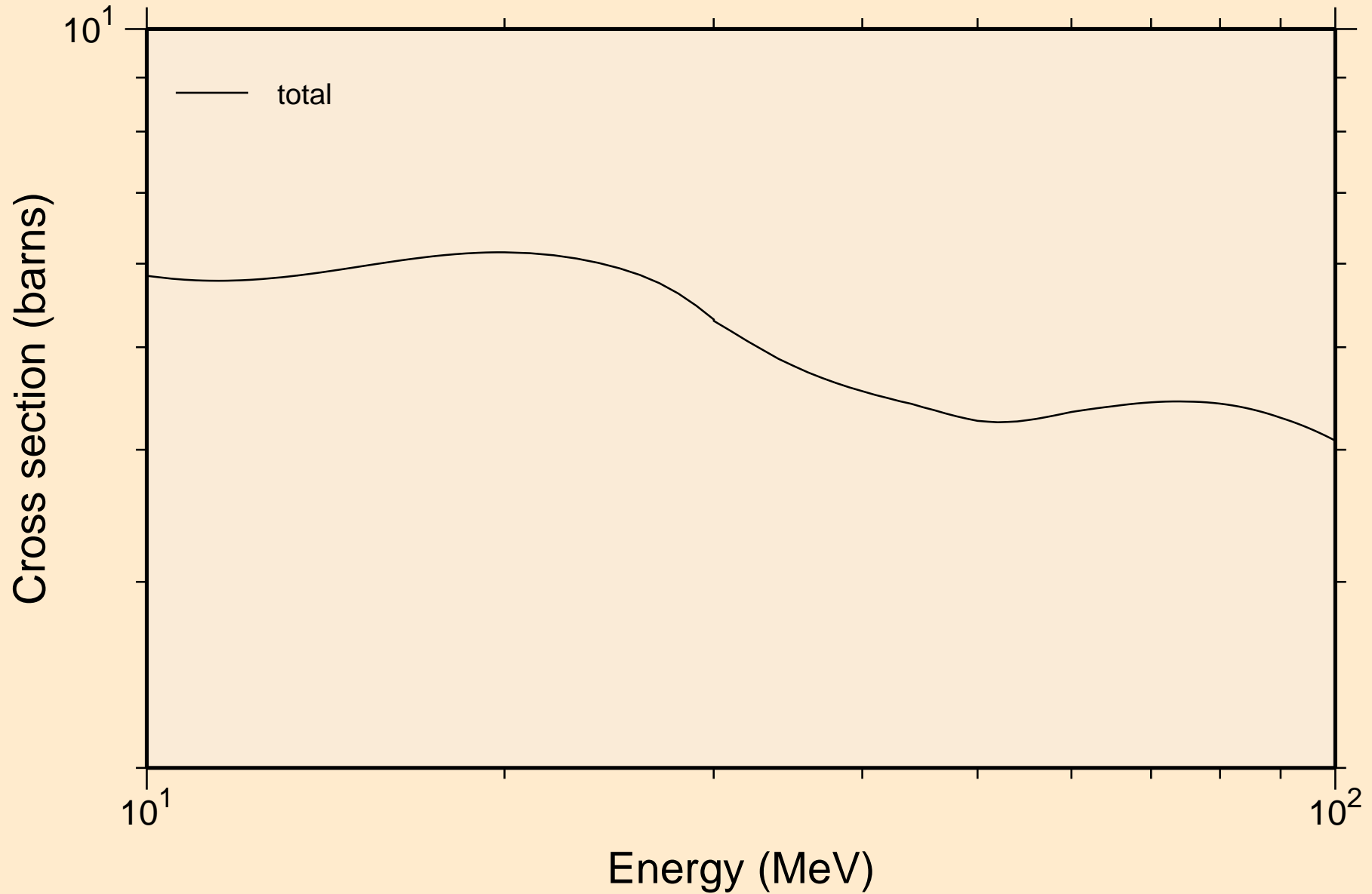
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance total cross section



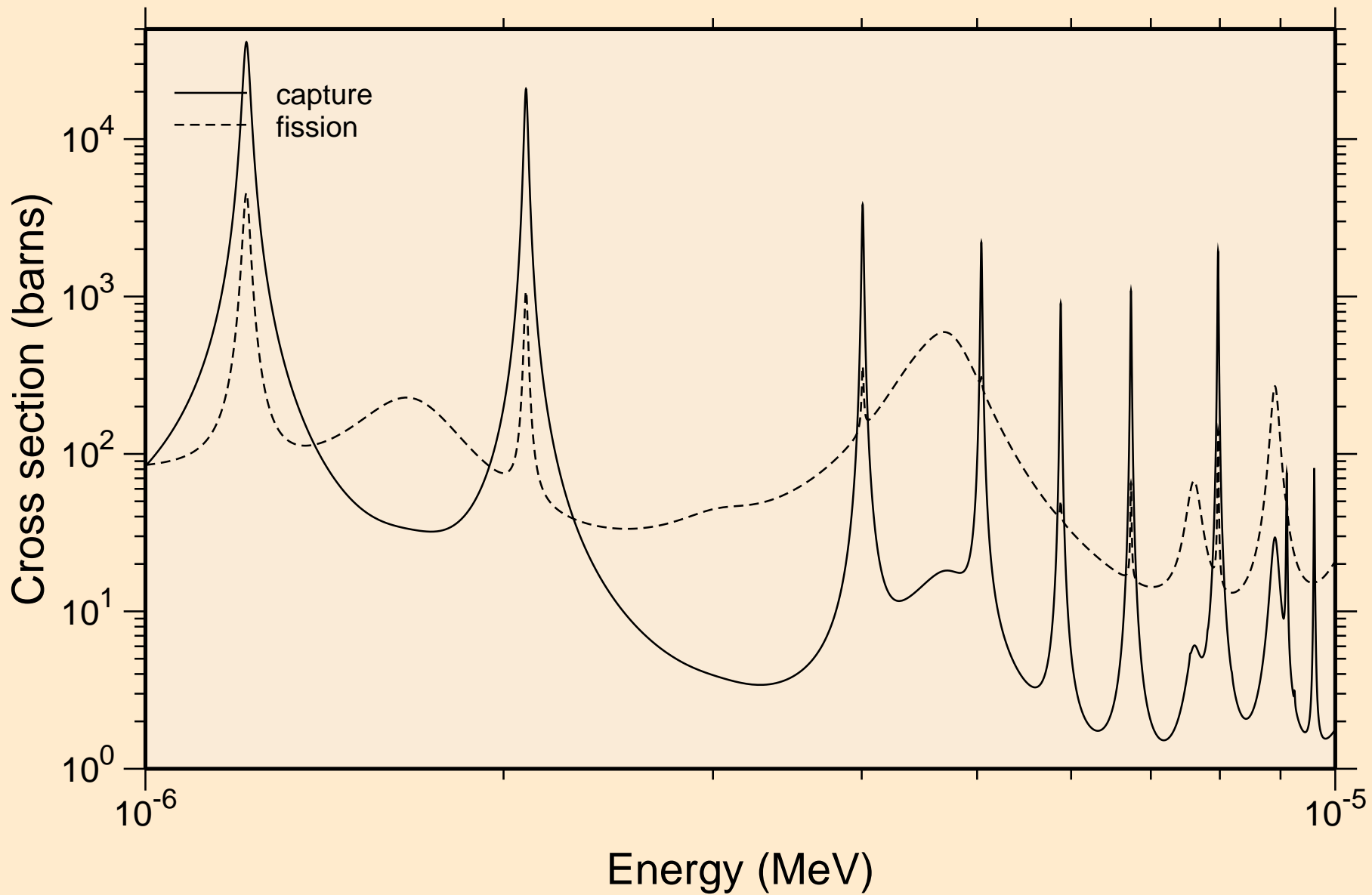
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance total cross section



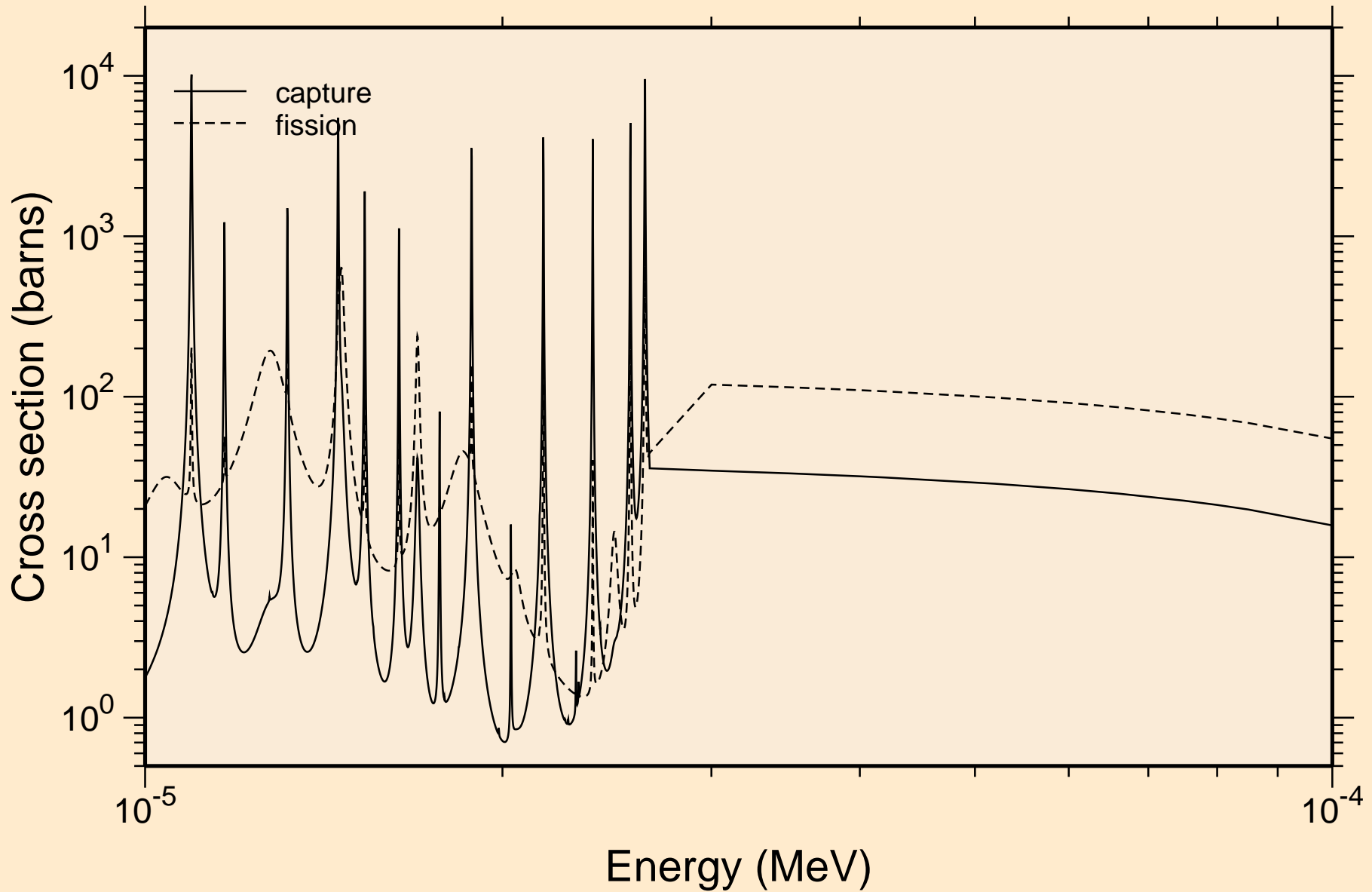
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance total cross section



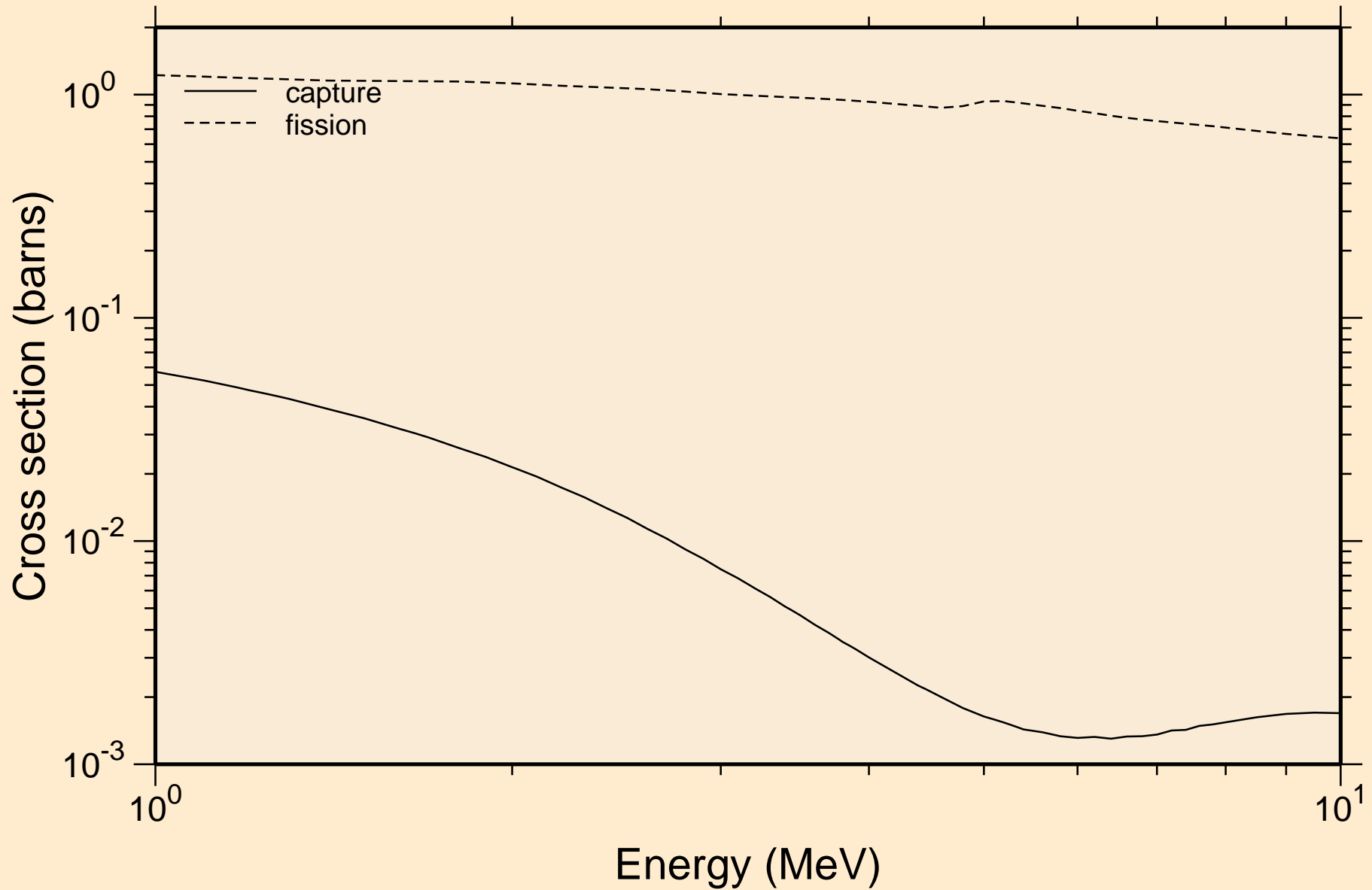
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections



TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections

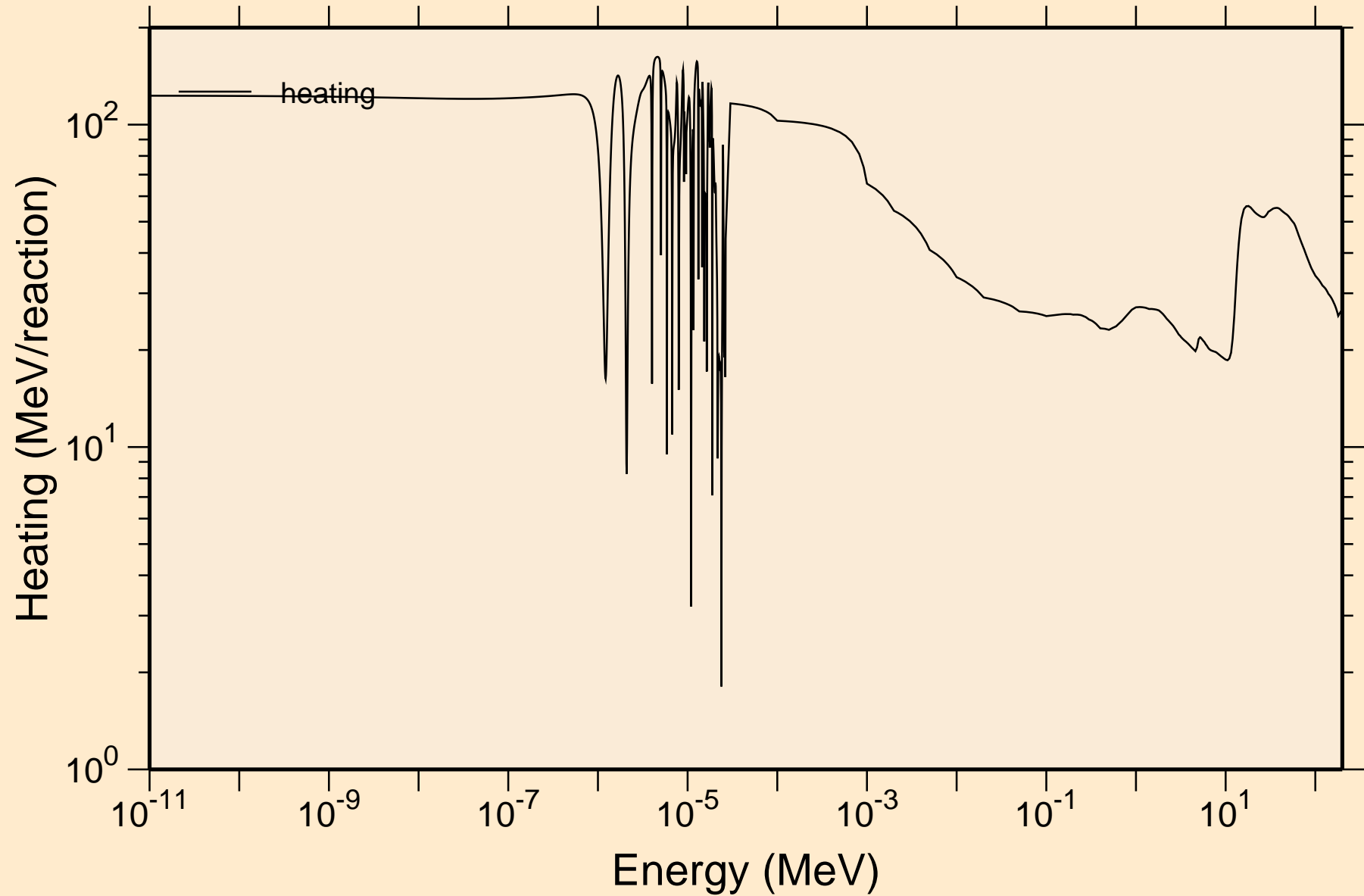


TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections

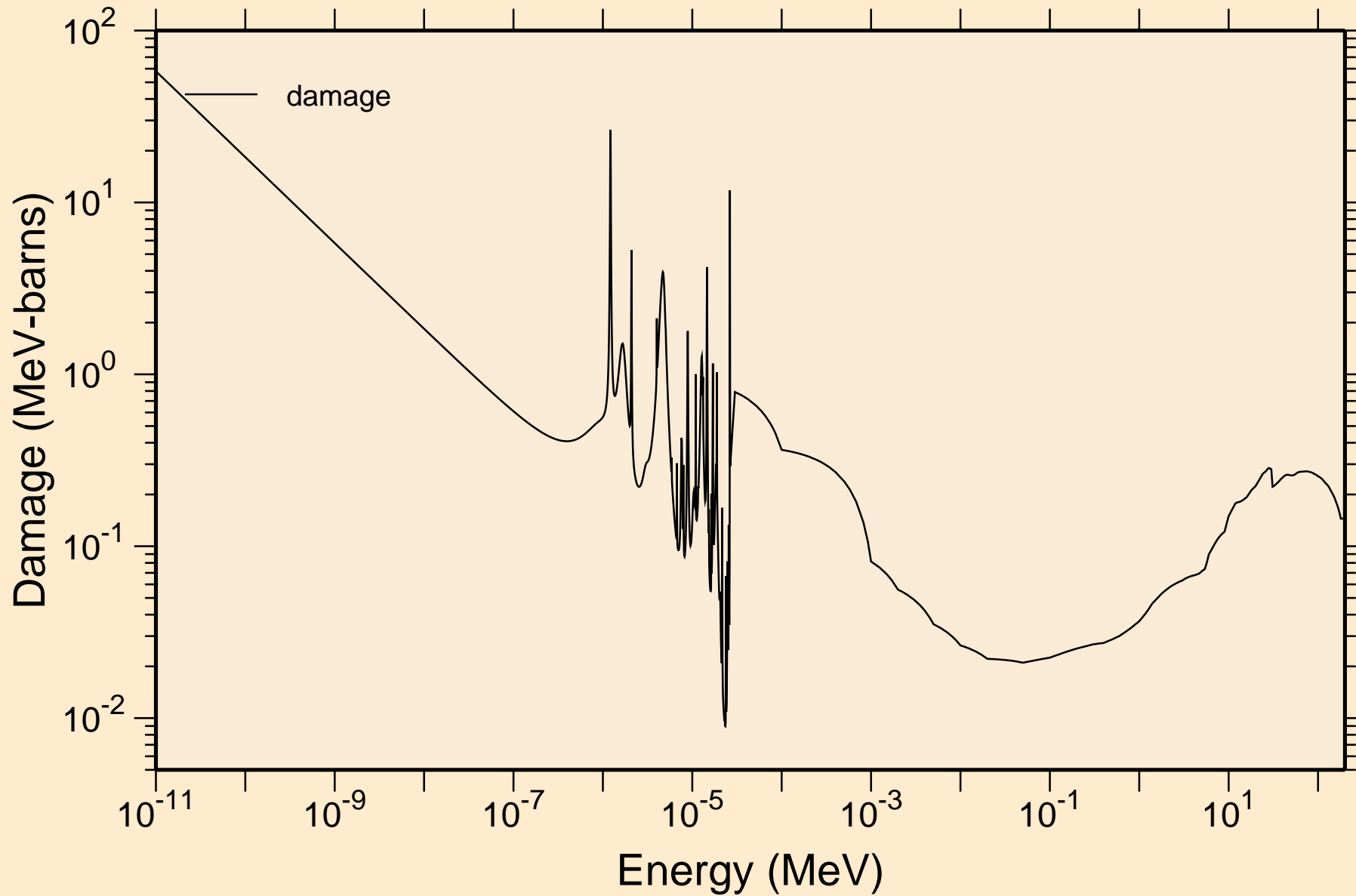


TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating

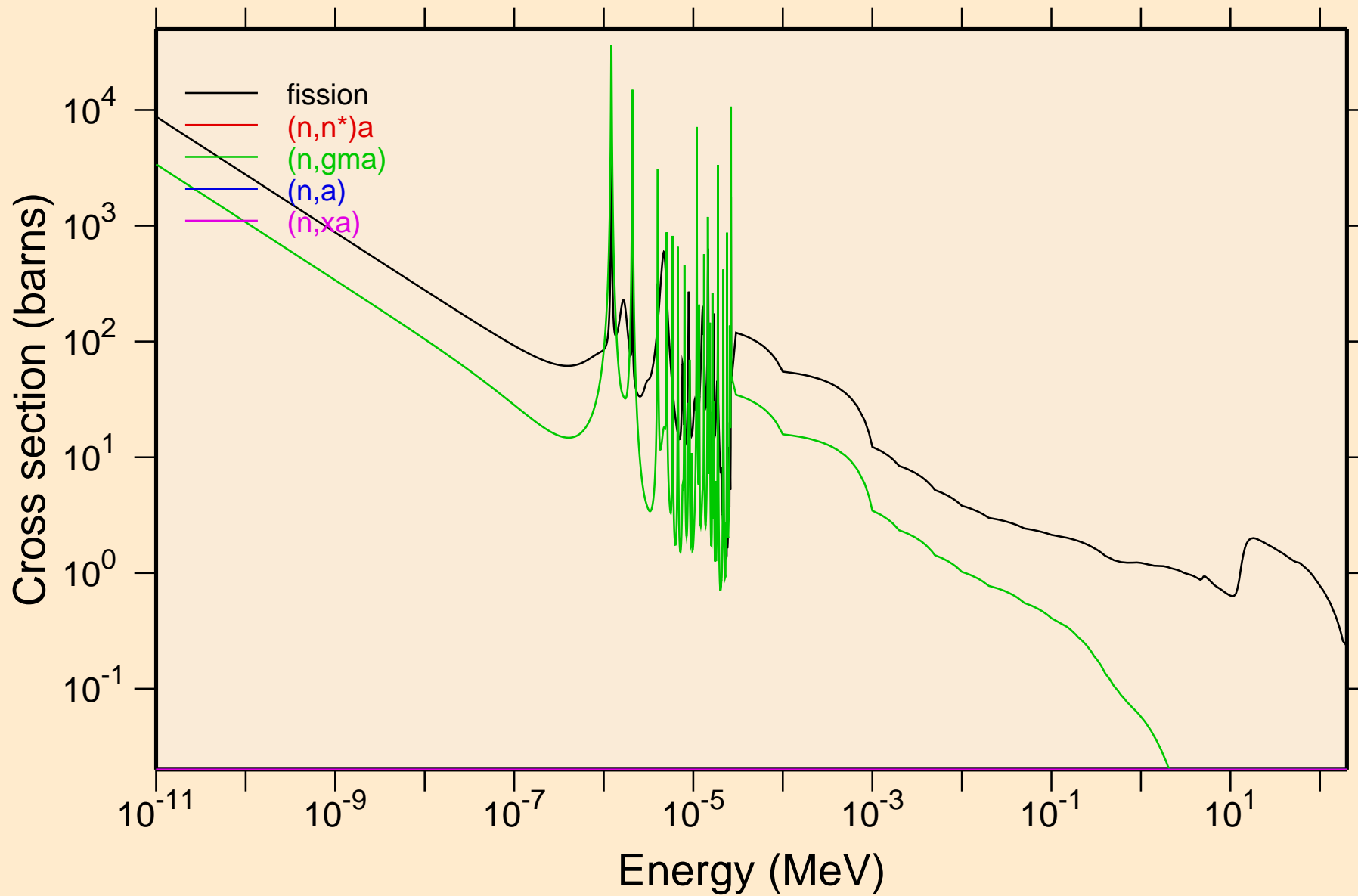


TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Damage



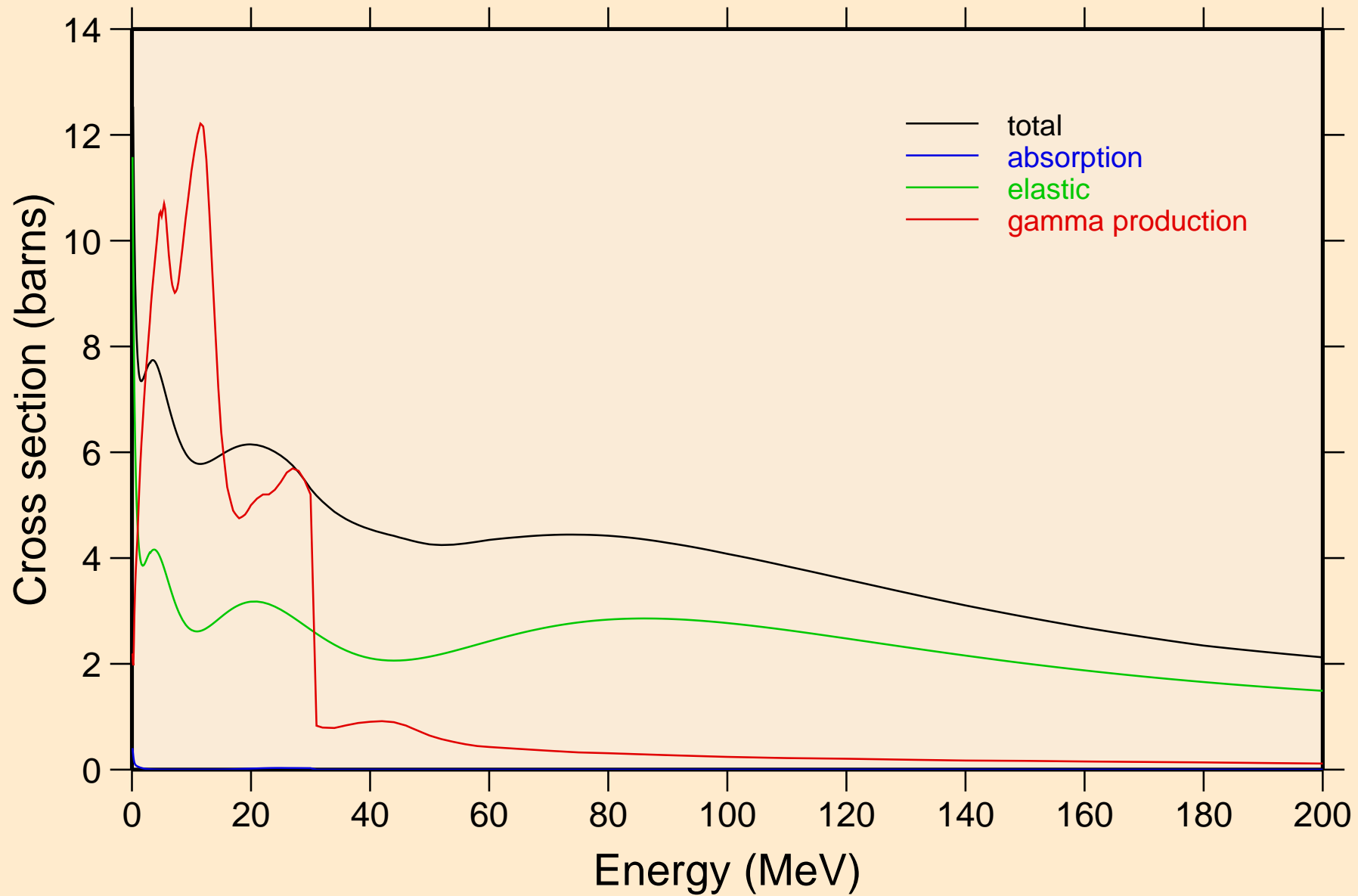
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Non-threshold reactions



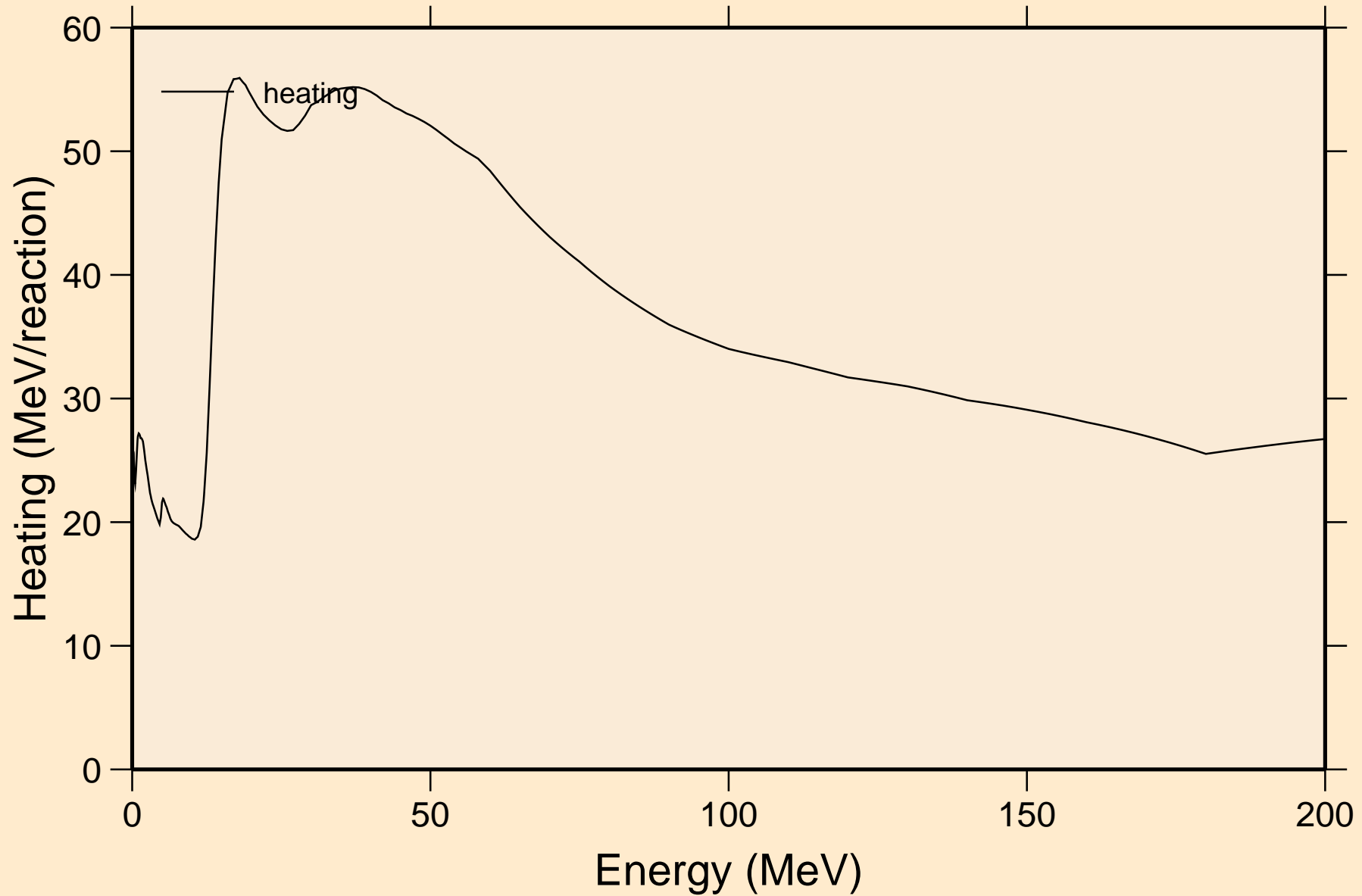
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



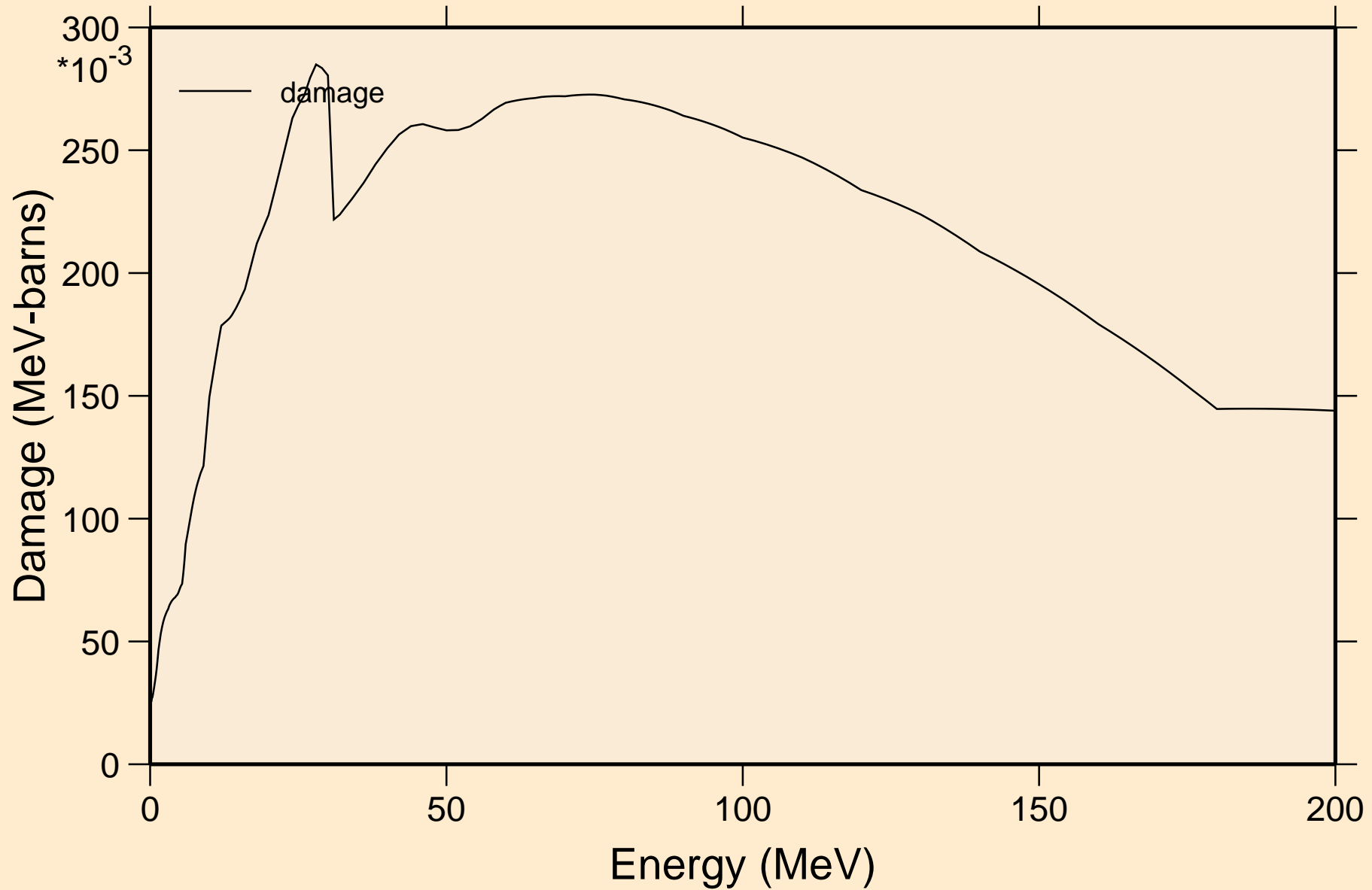
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating



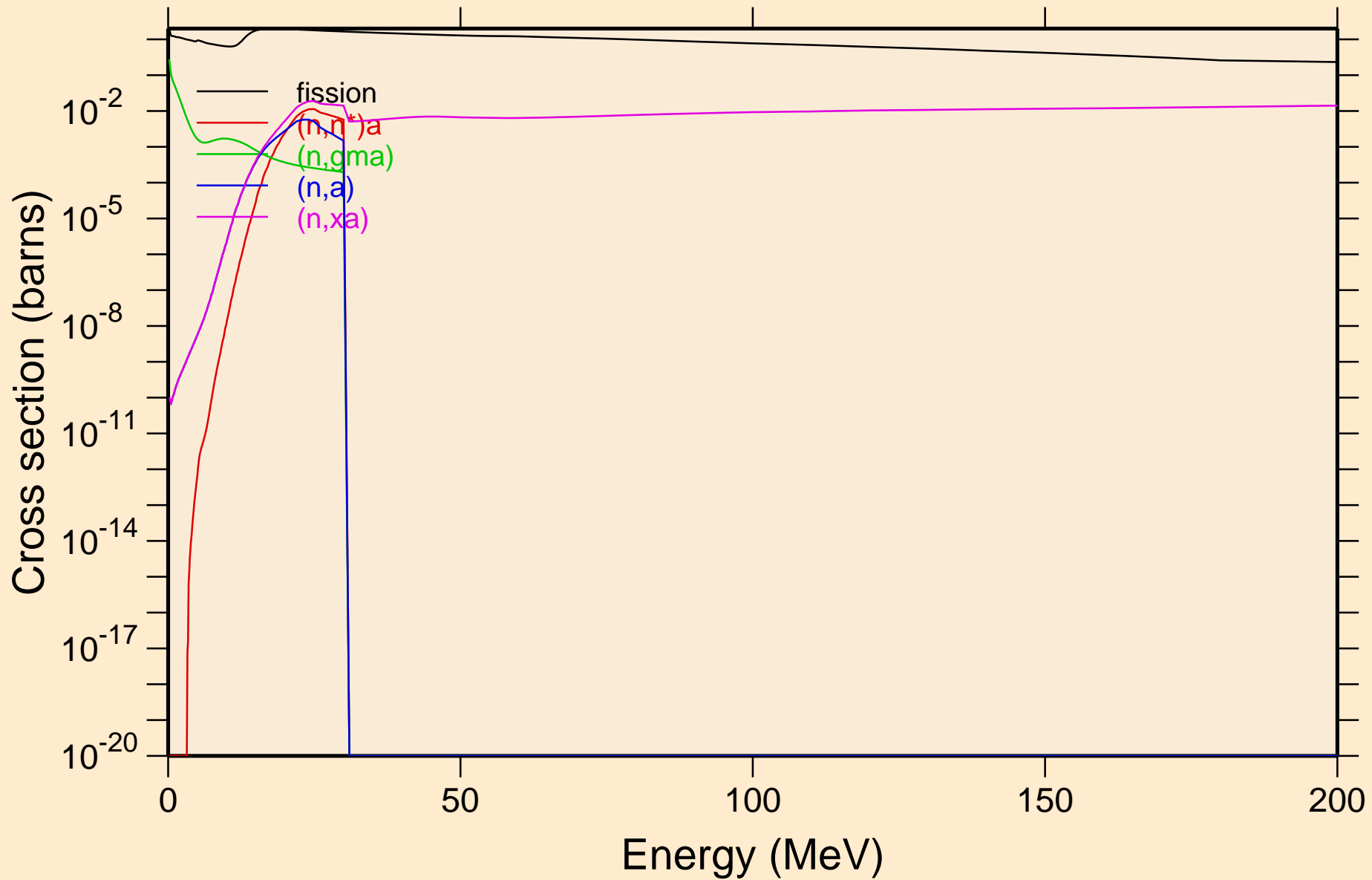
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Damage



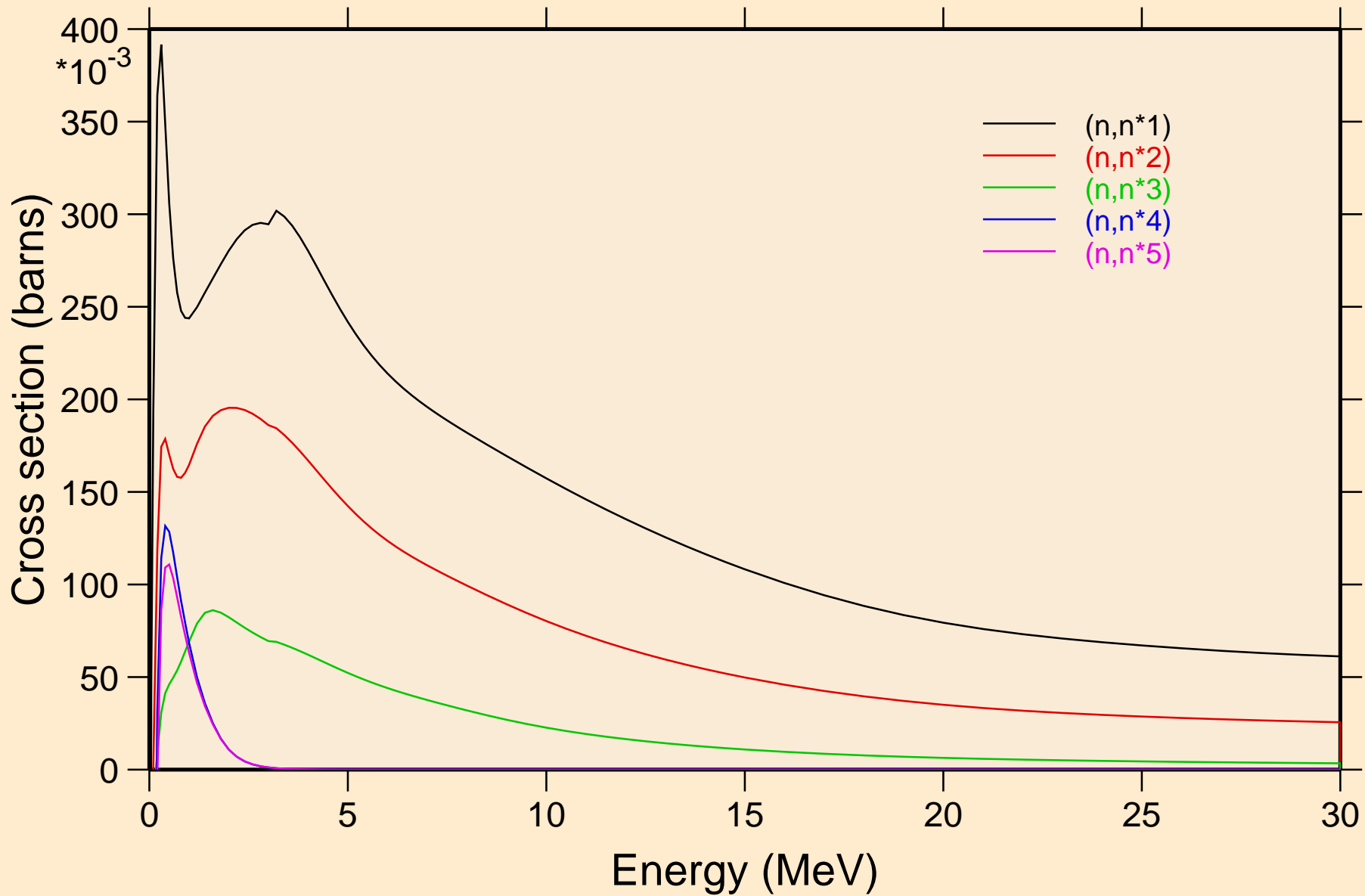
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Non-threshold reactions

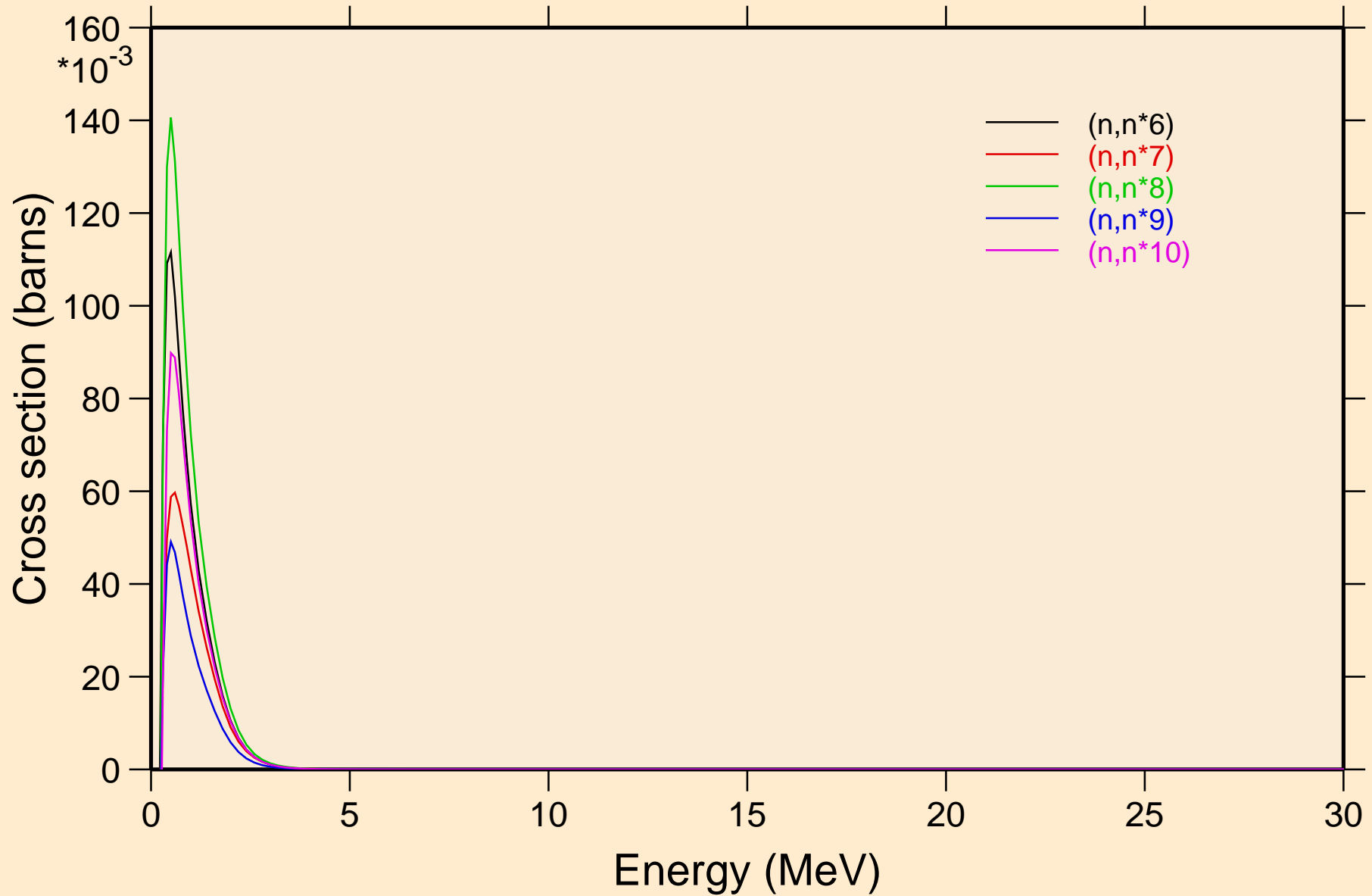


TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

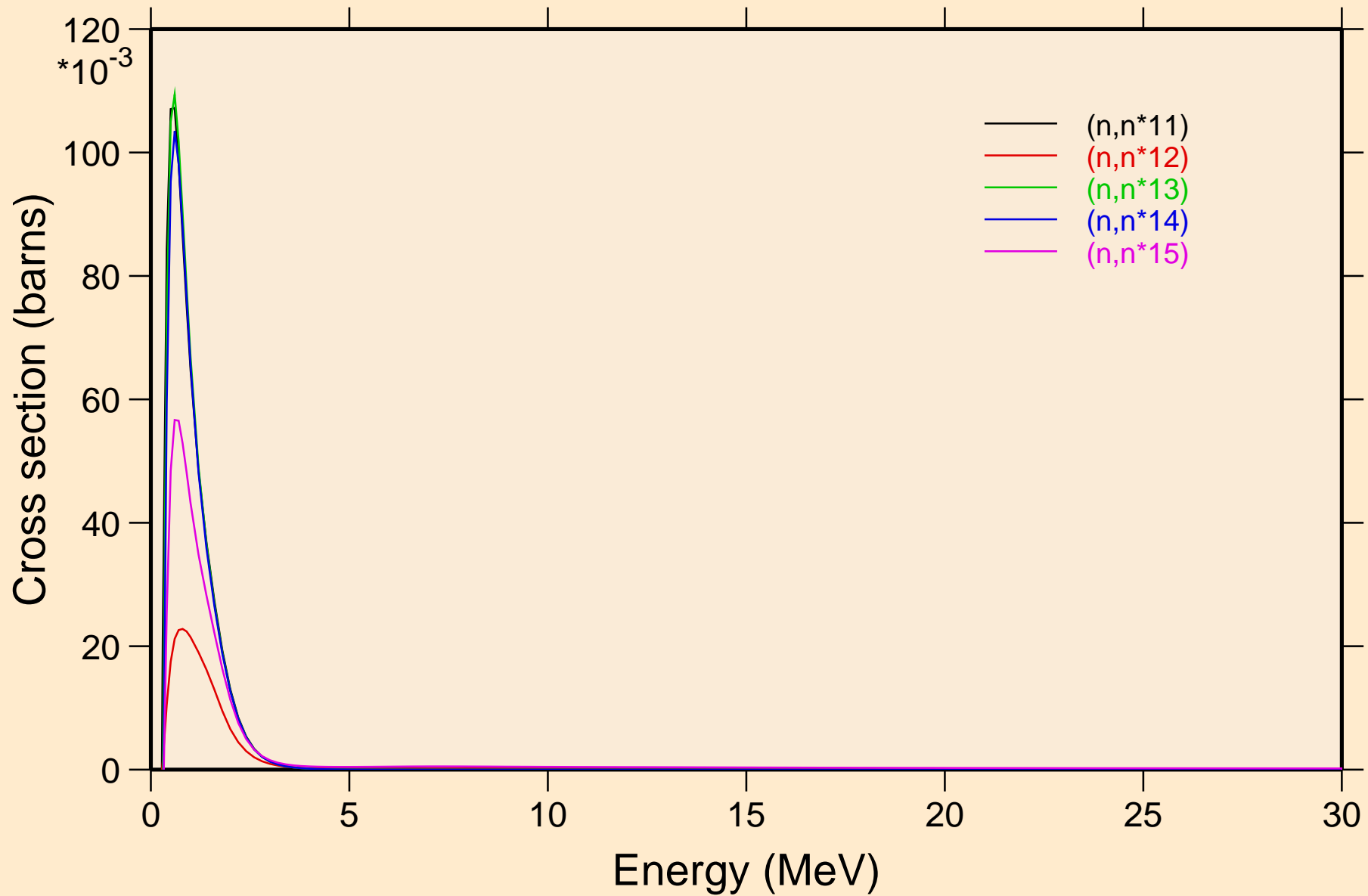
Inelastic levels



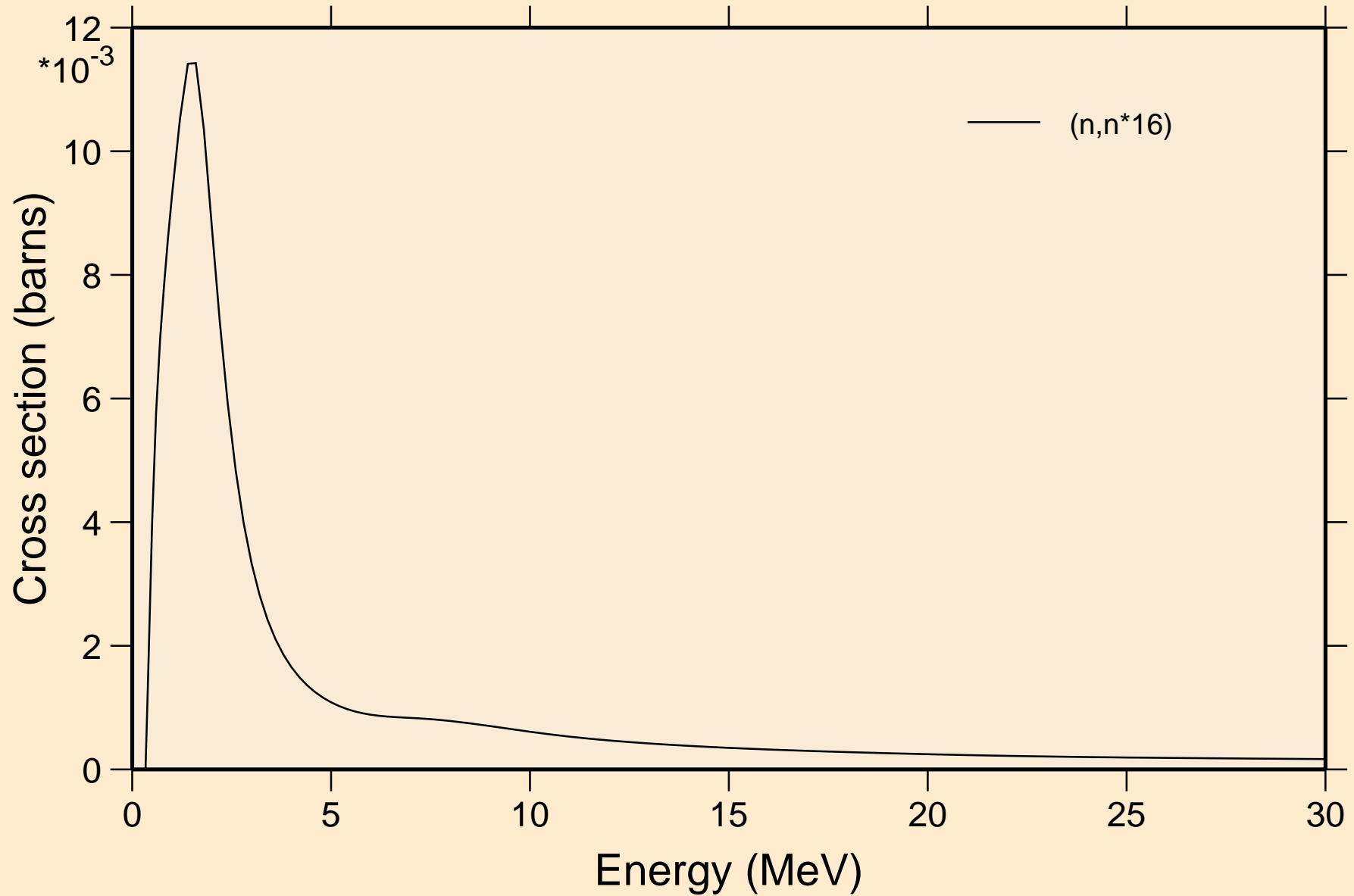
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Inelastic levels



TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Inelastic levels

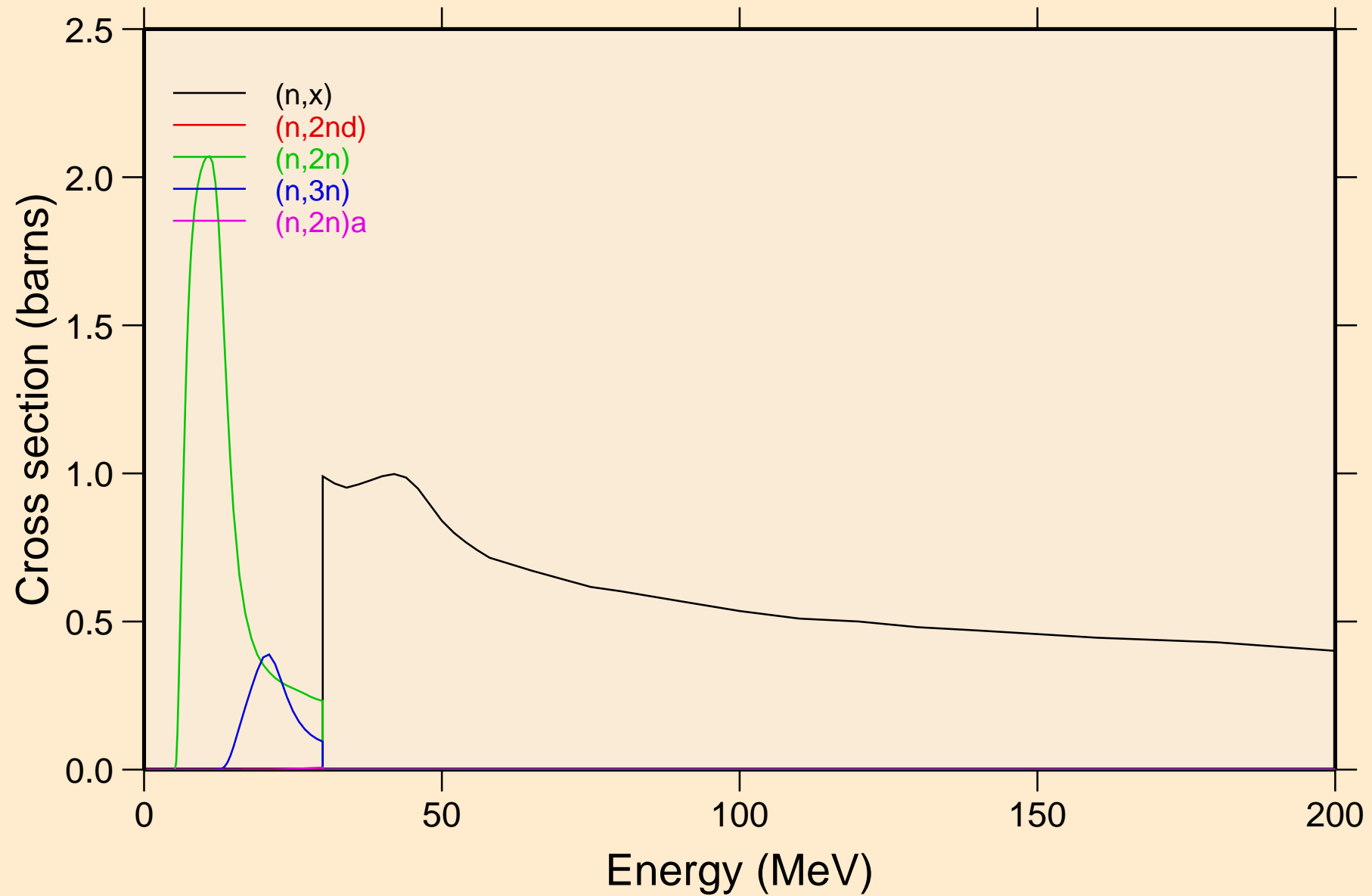


TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Inelastic levels



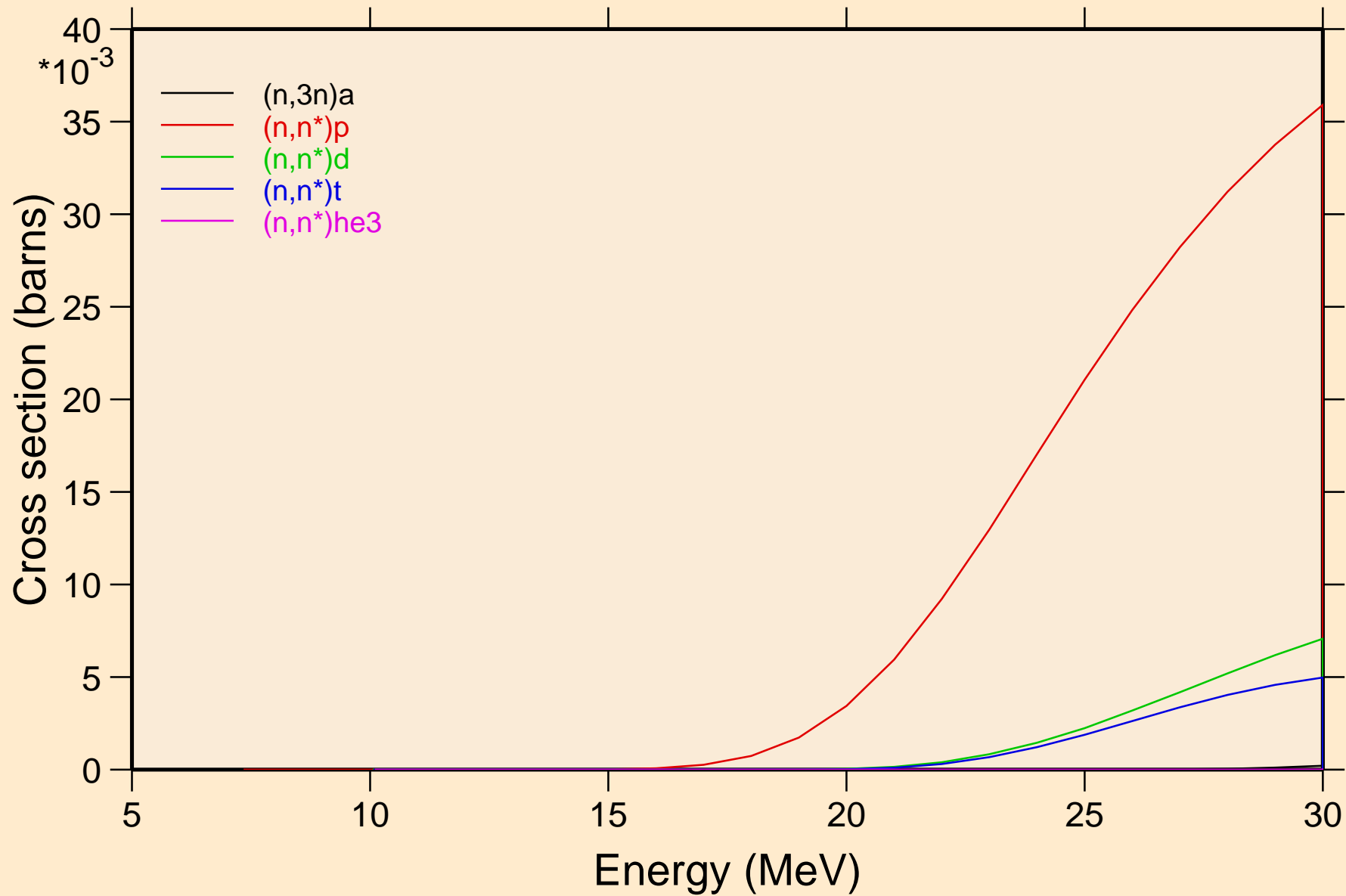
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

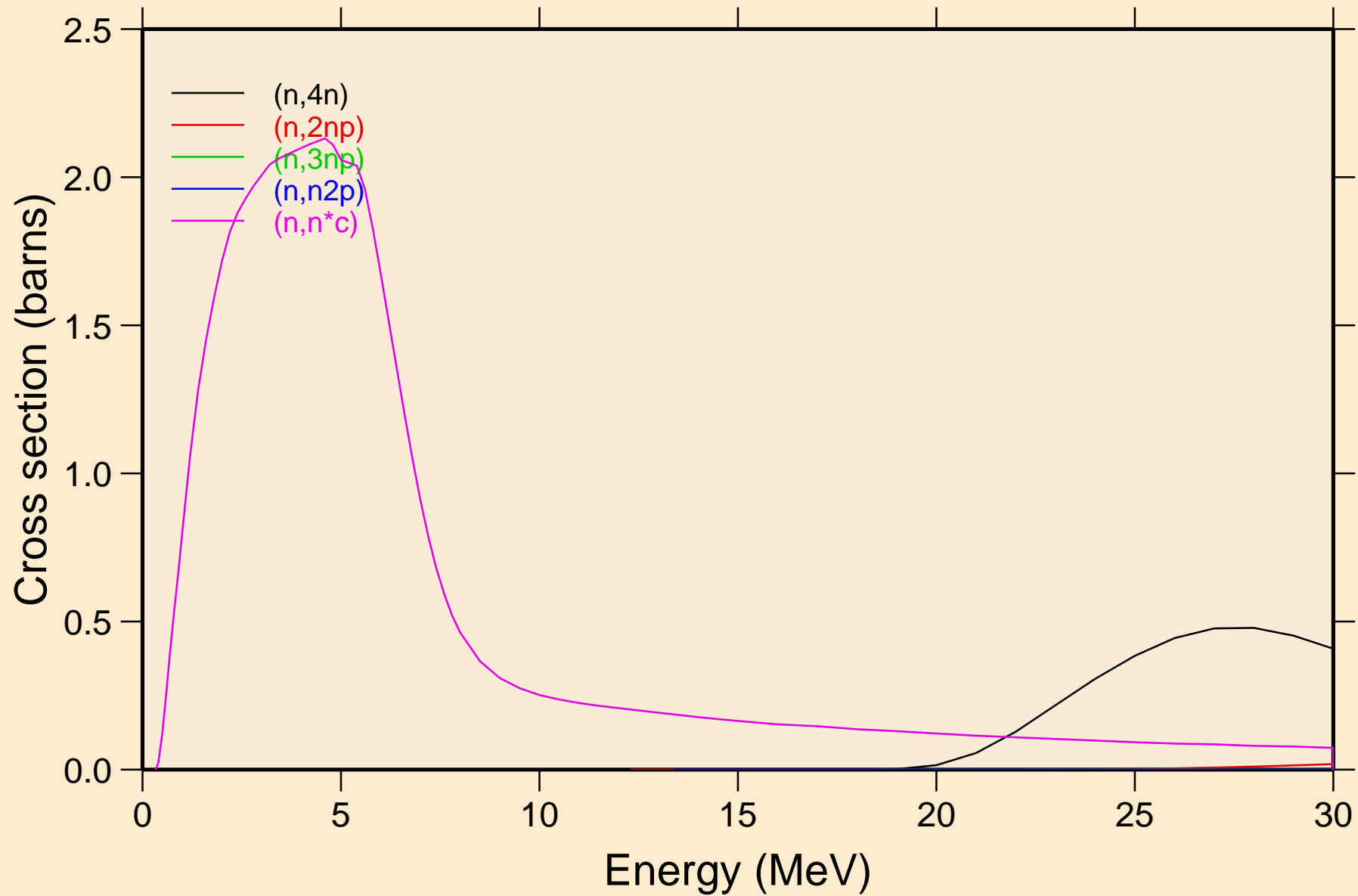


TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

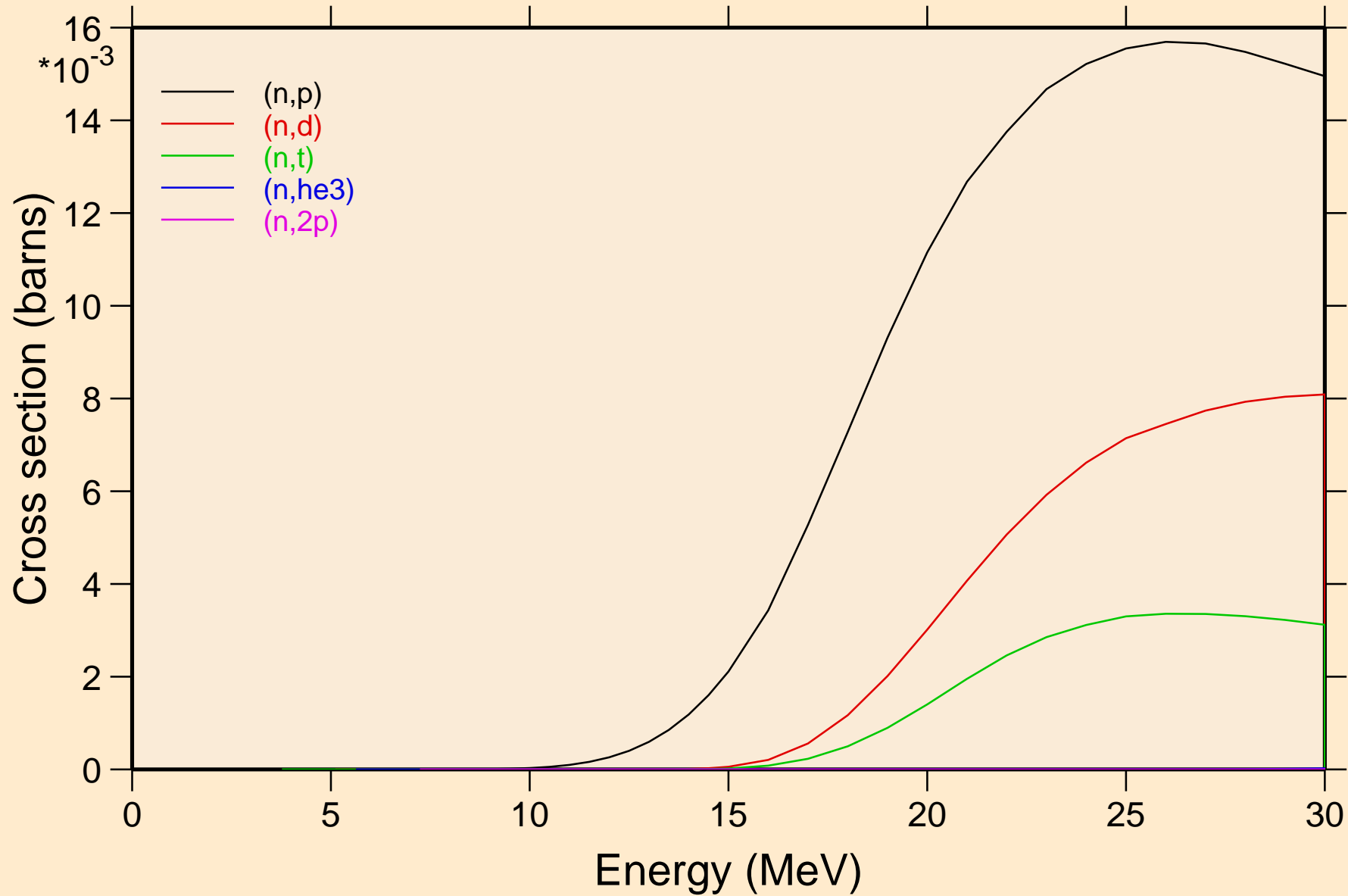


TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions

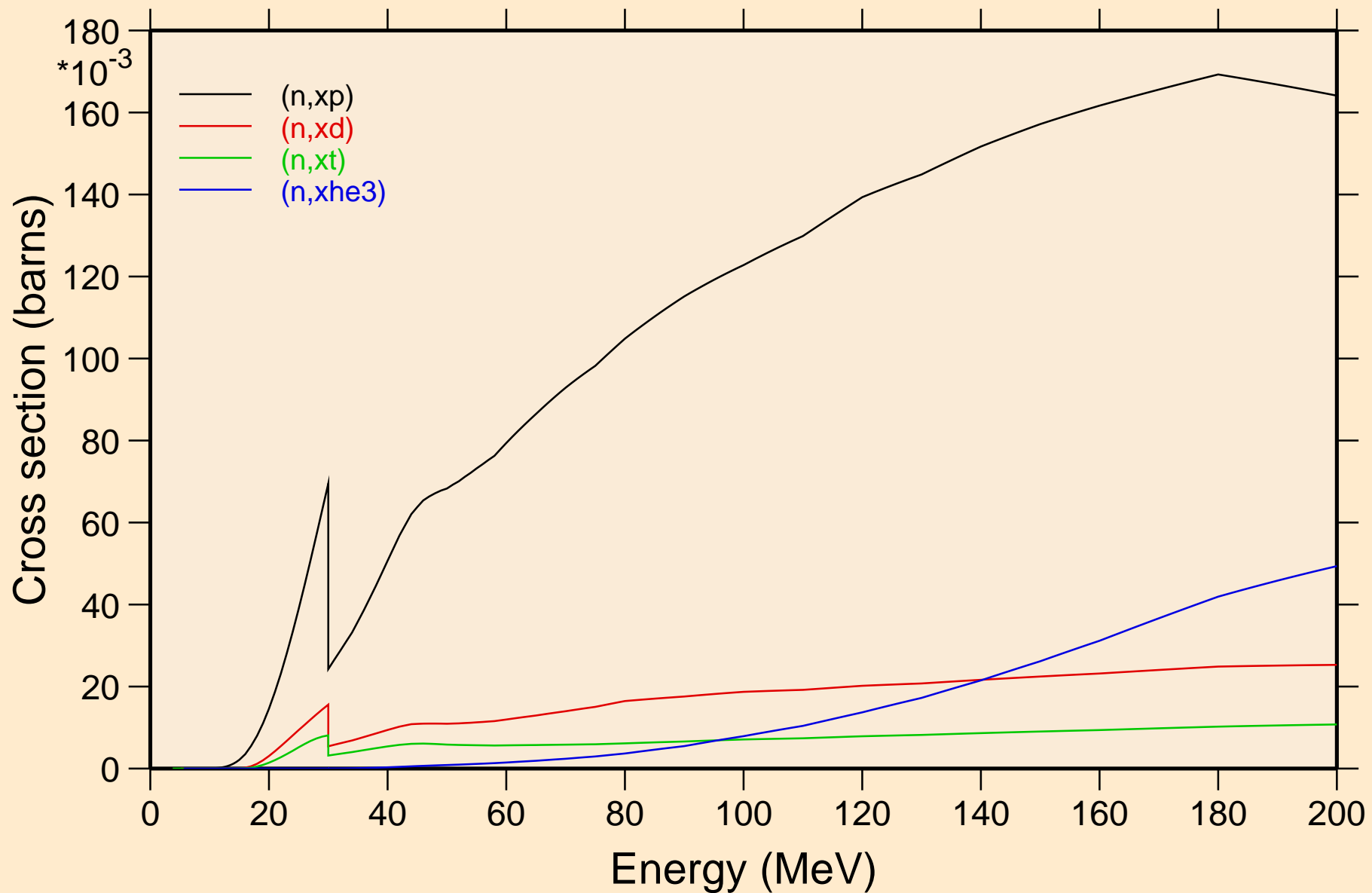


TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

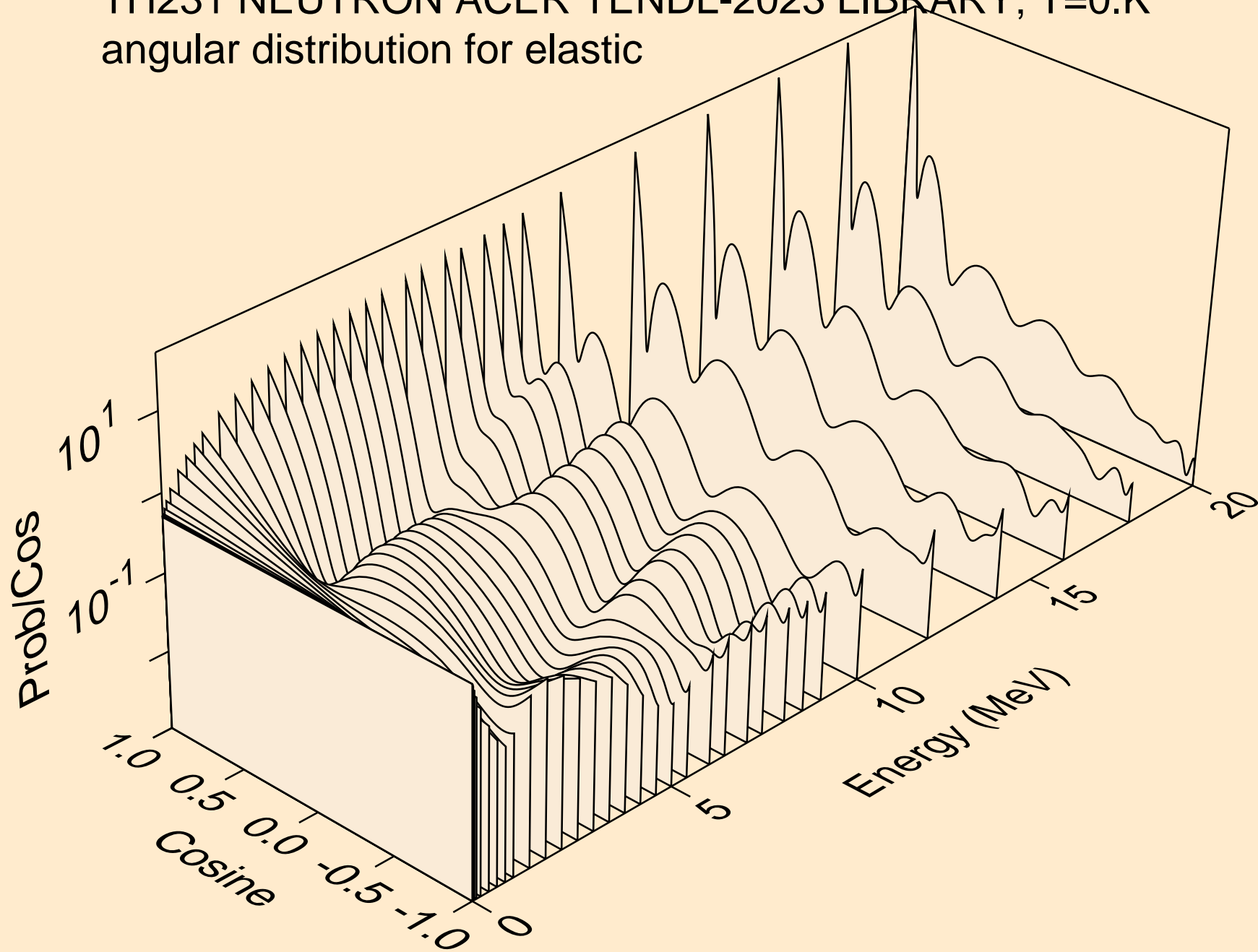
Threshold reactions



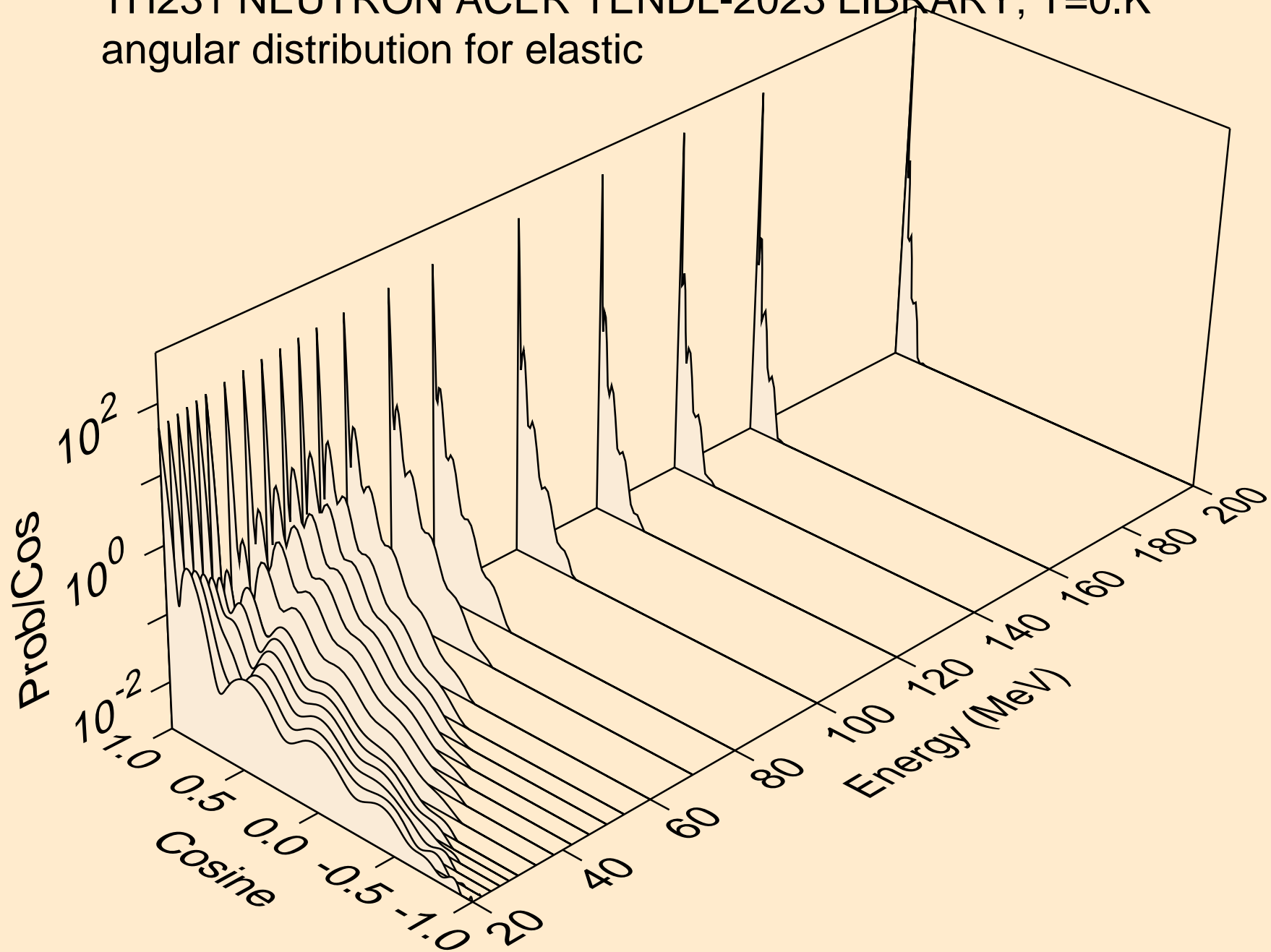
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions



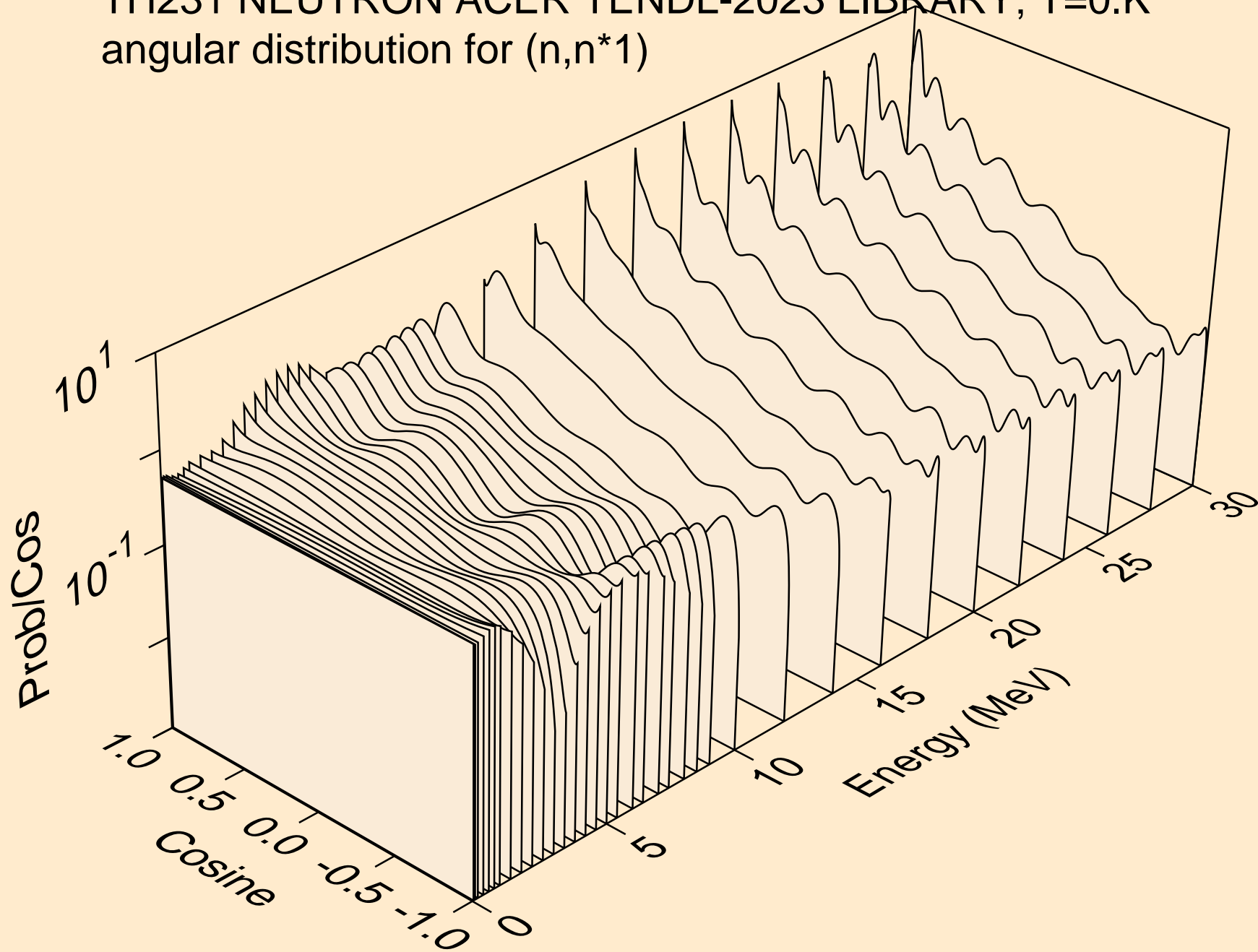
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



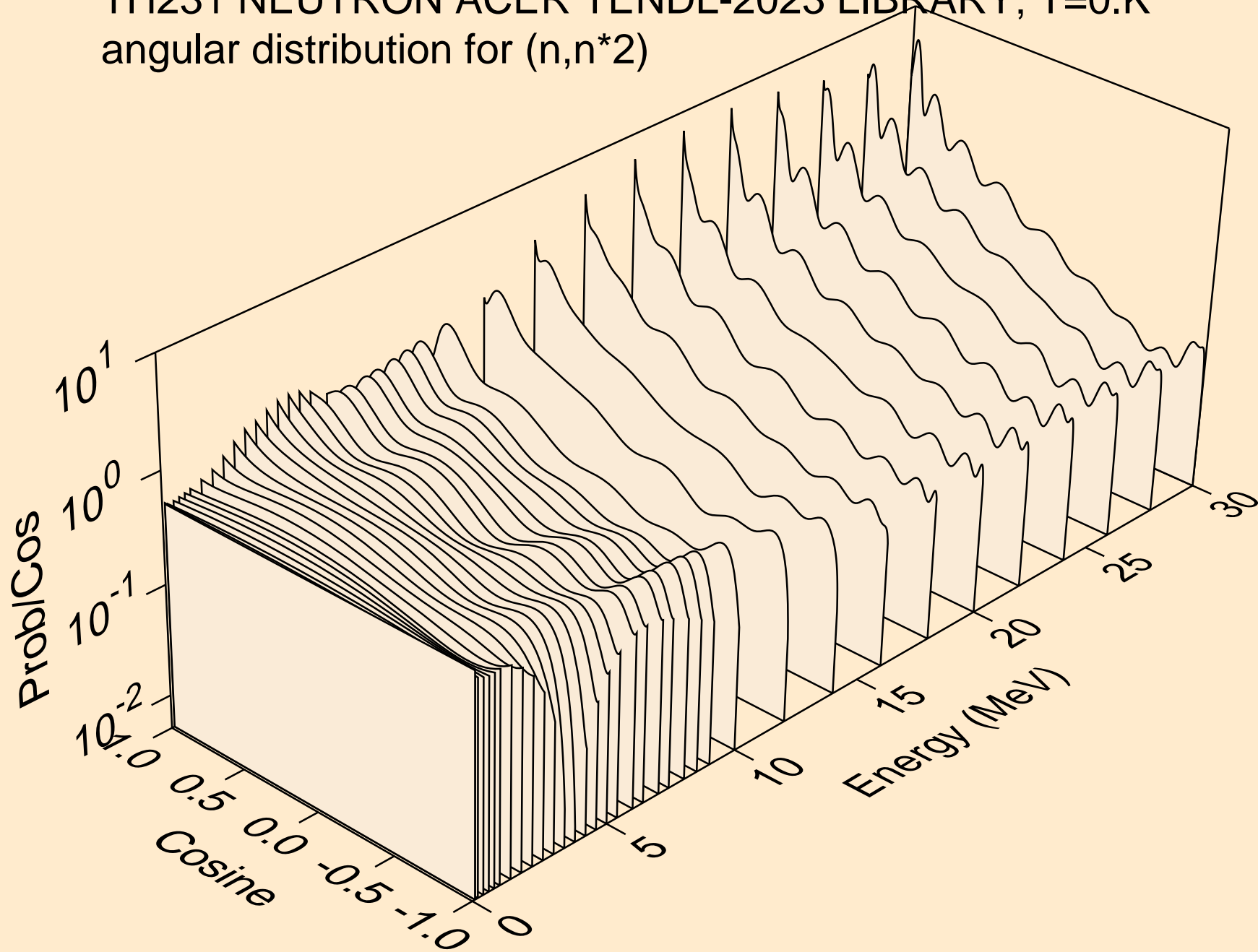
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



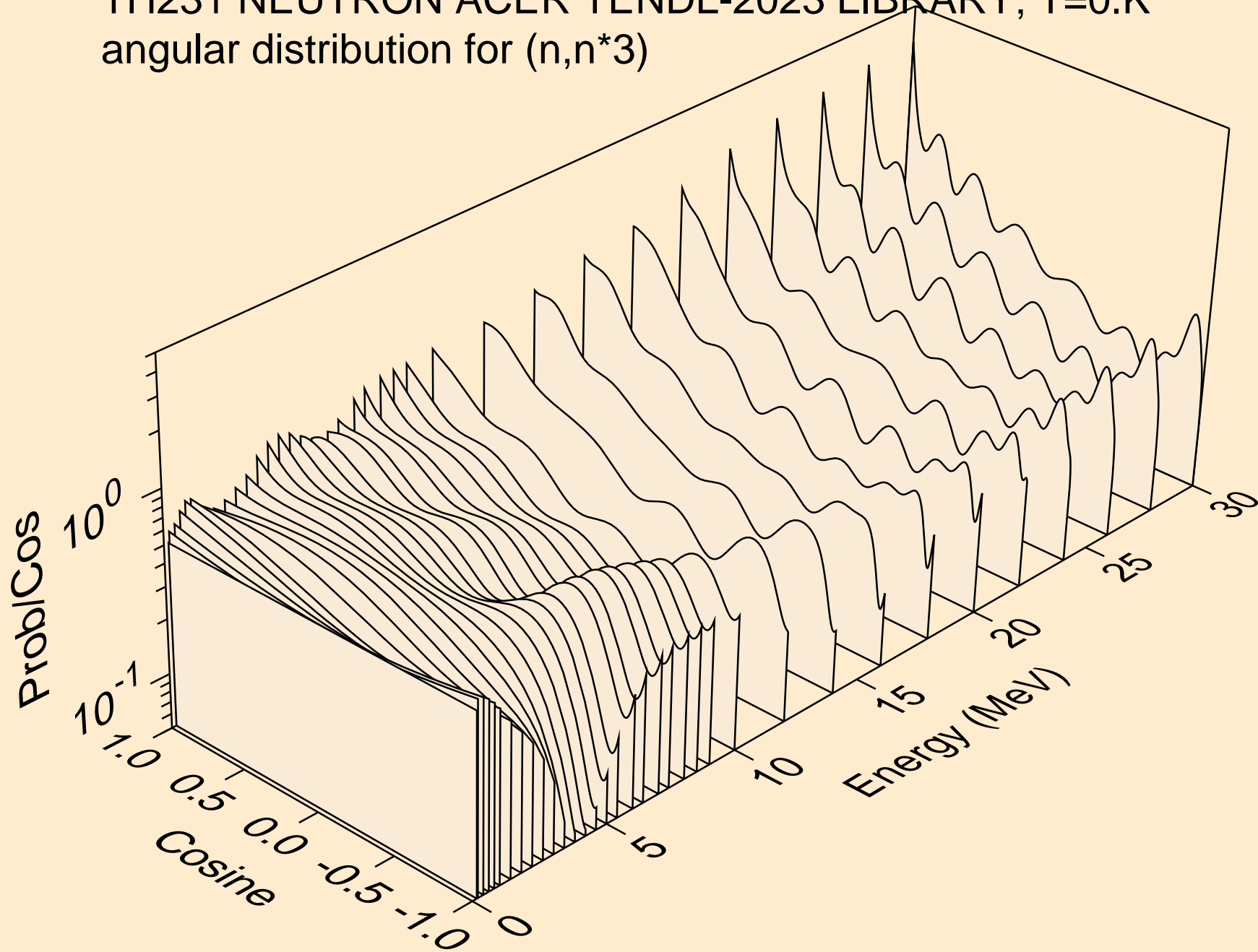
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*1)



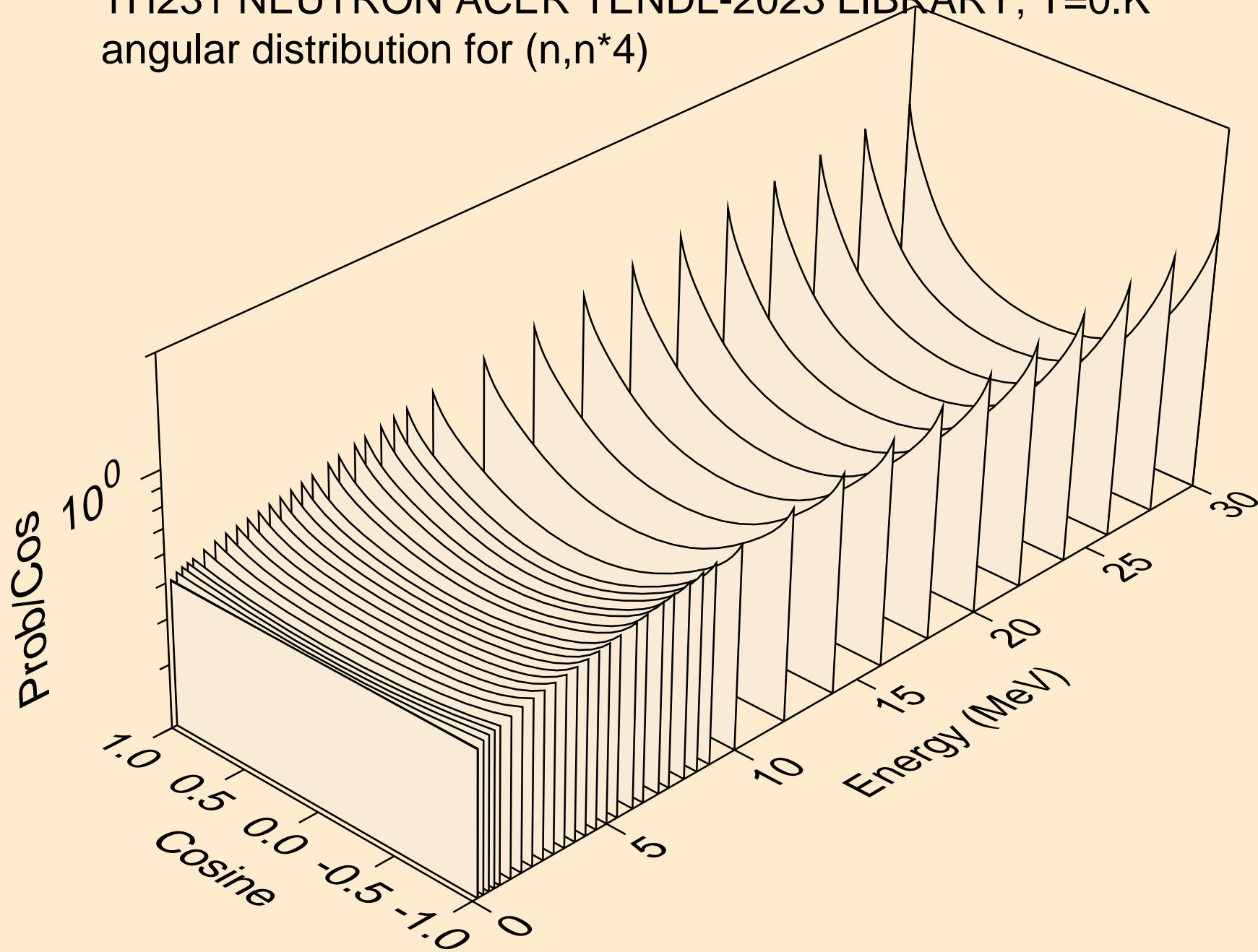
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*2)



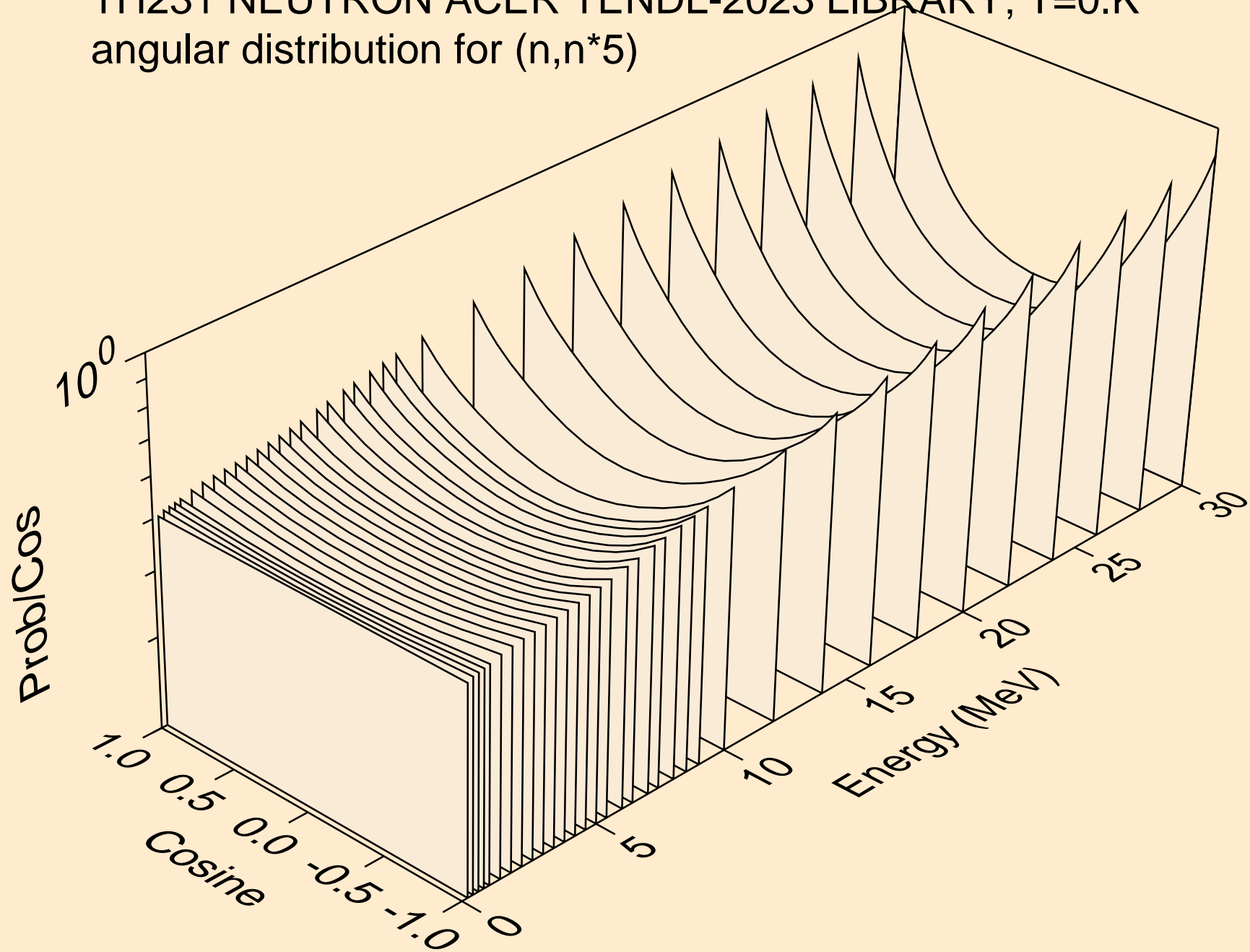
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*3)



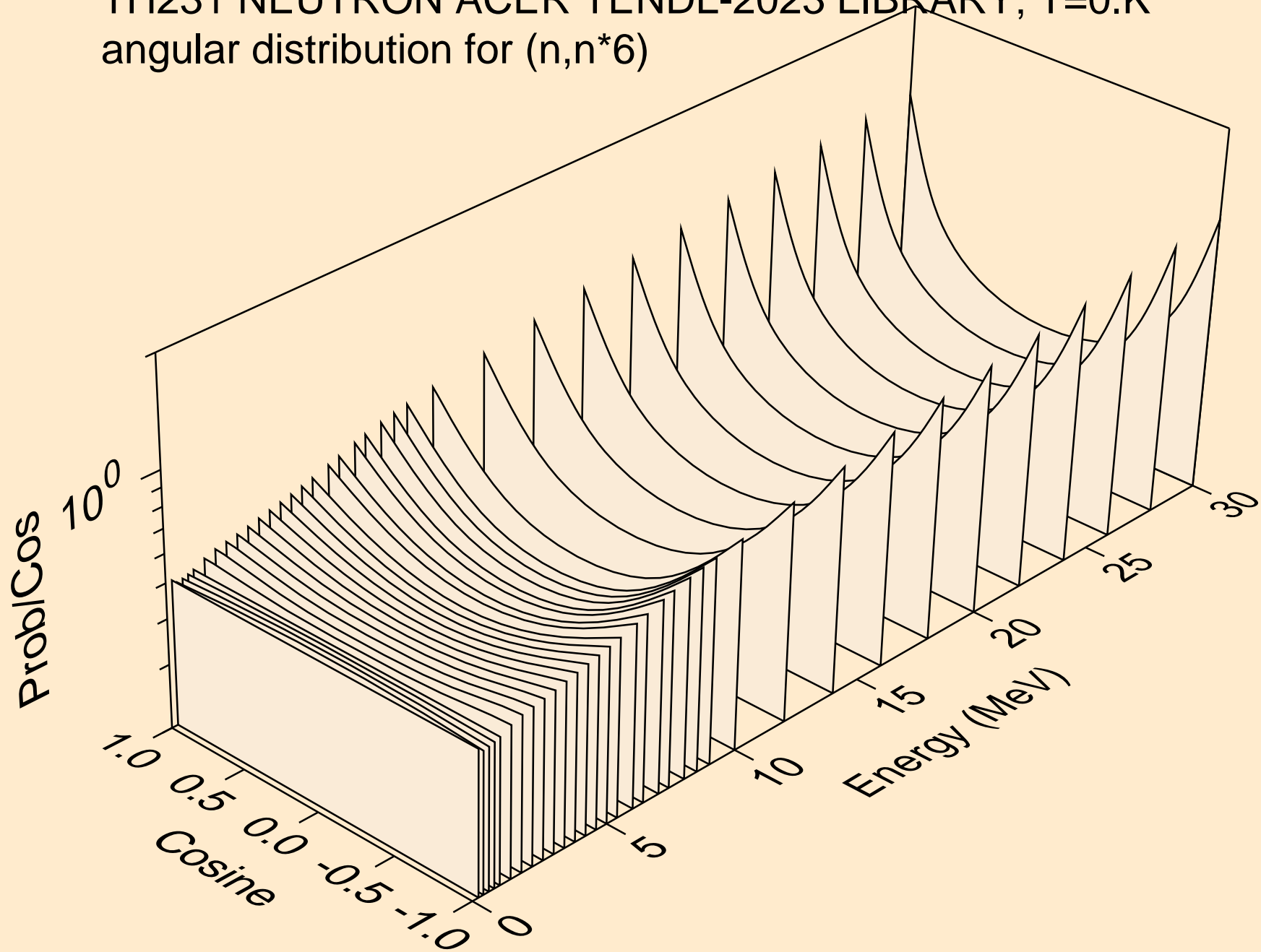
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*4)



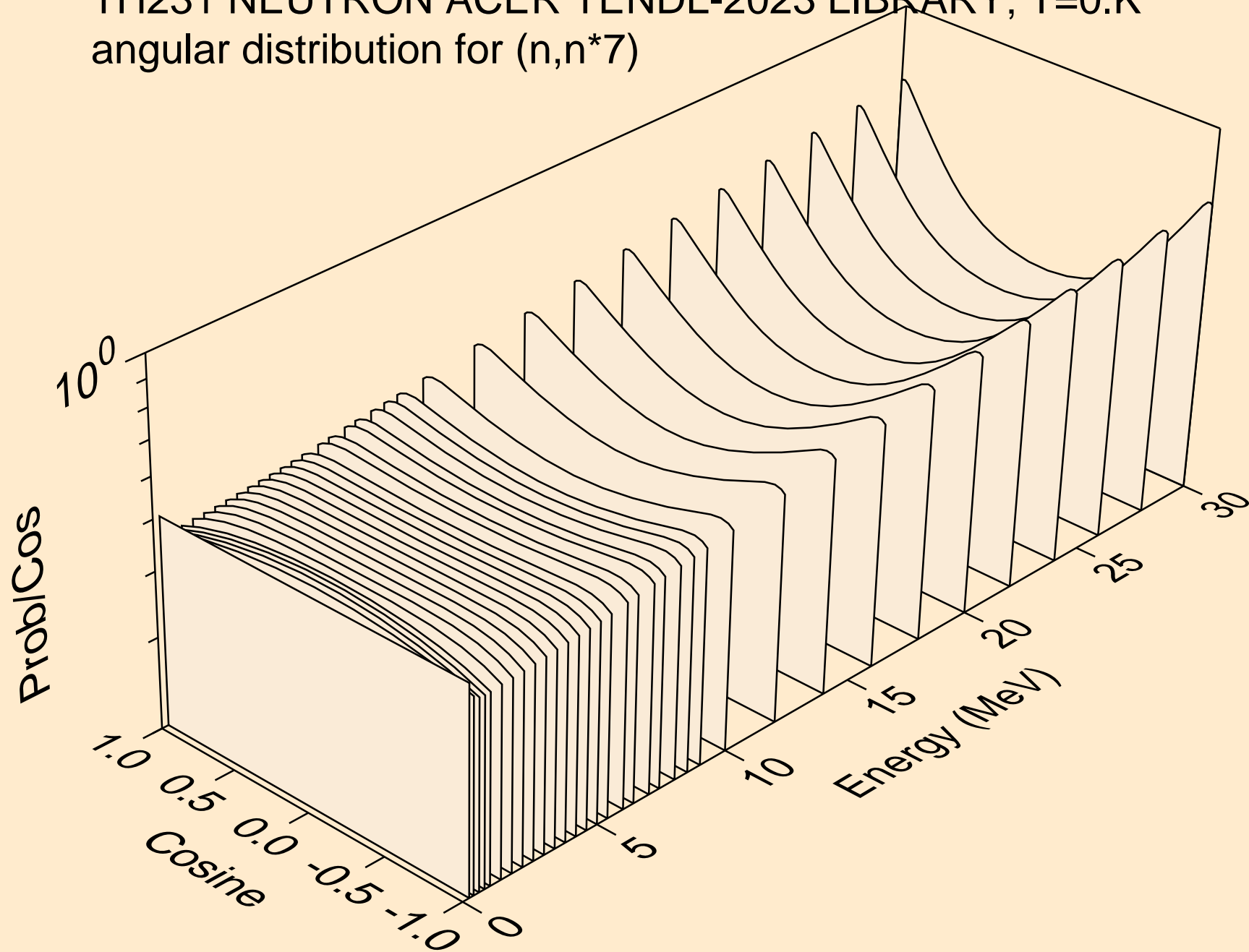
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*5)



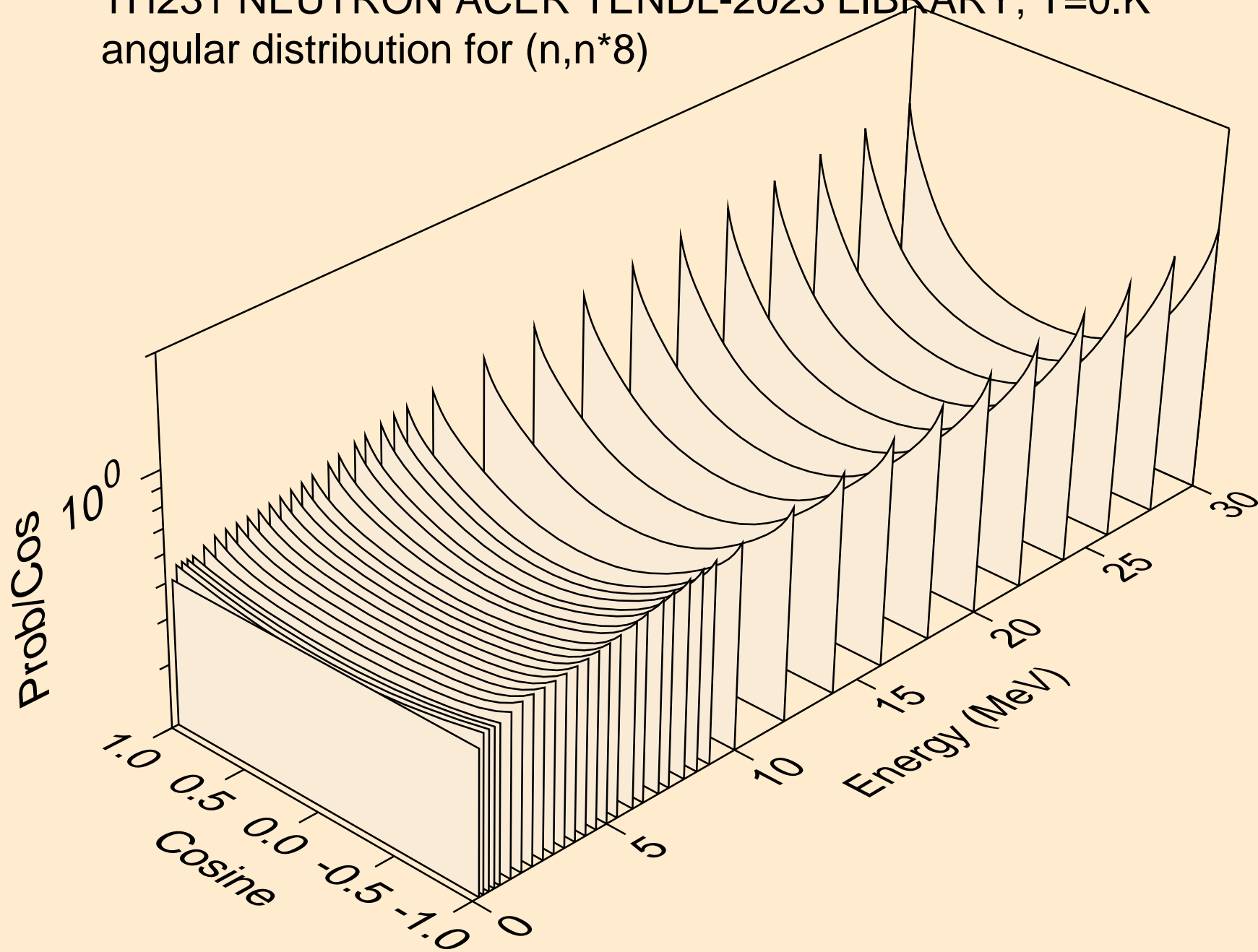
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*6)



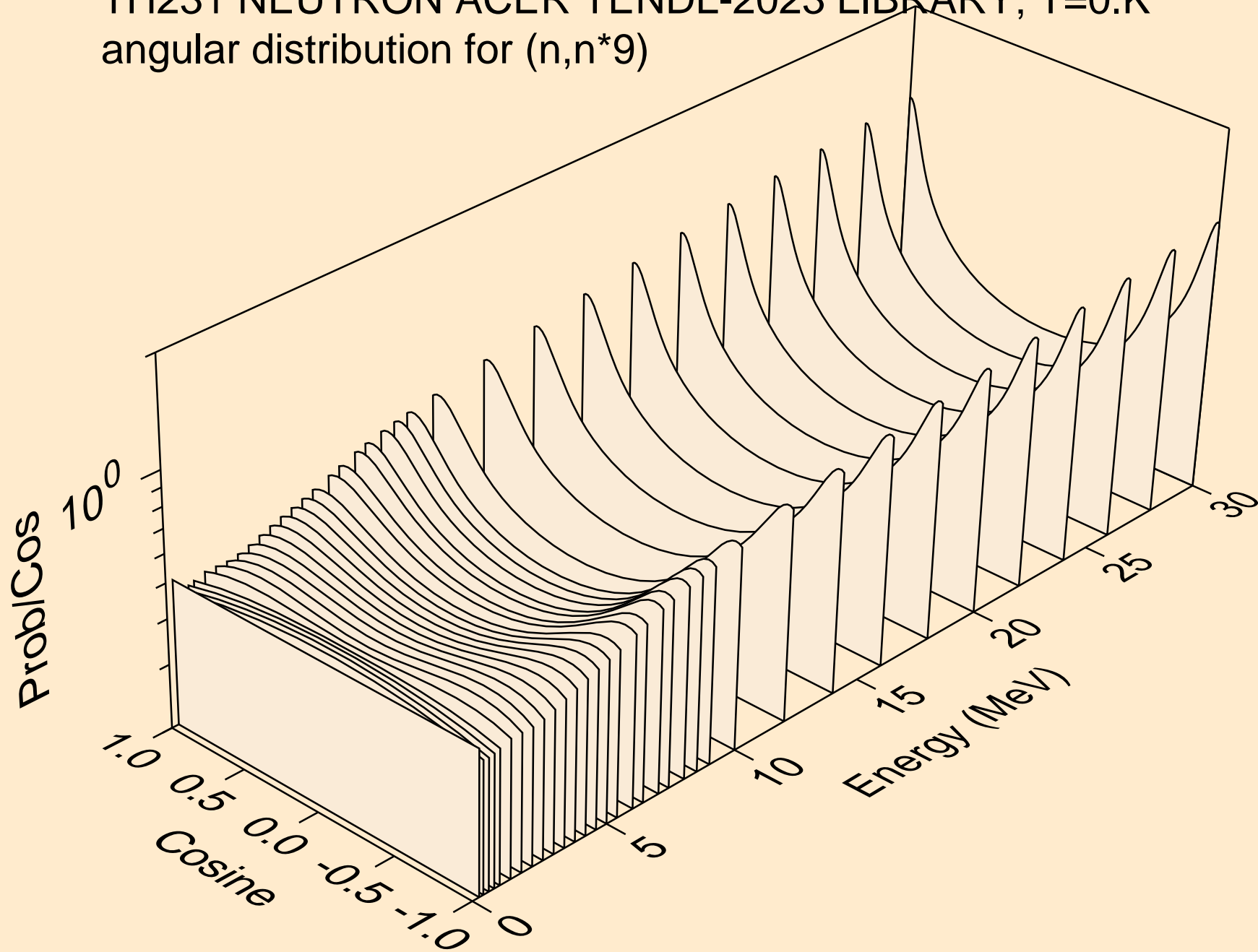
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*7)



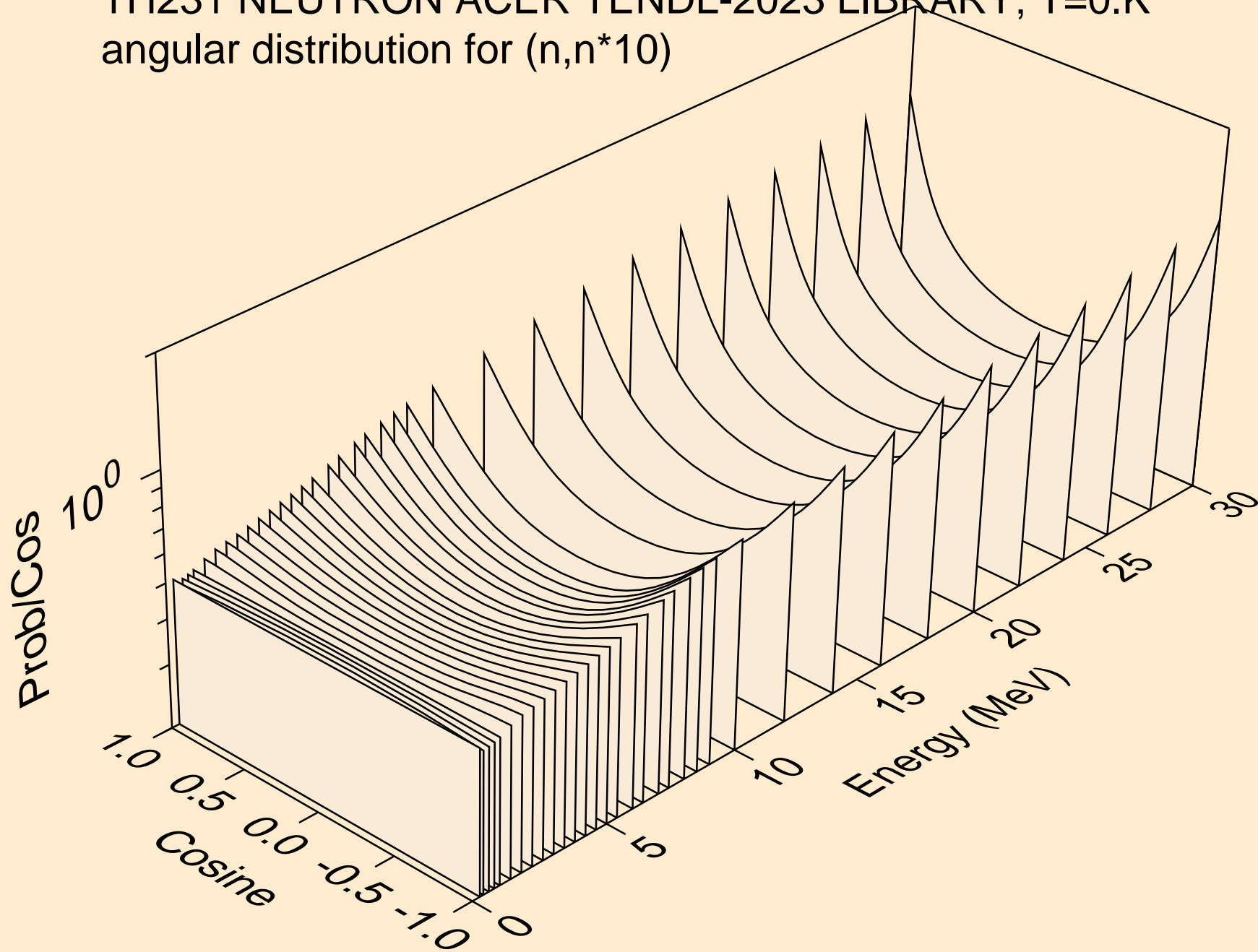
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*8)



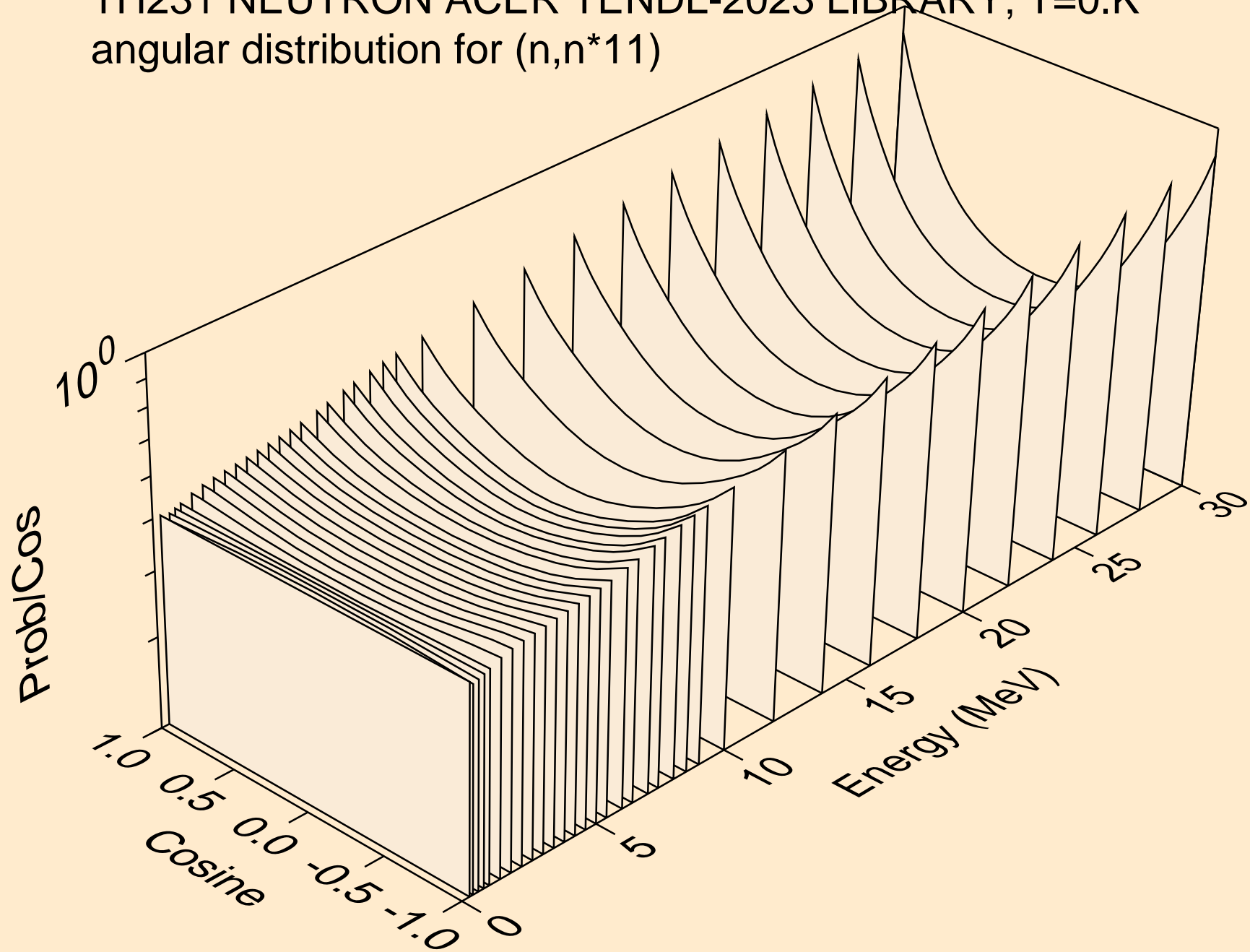
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*9)



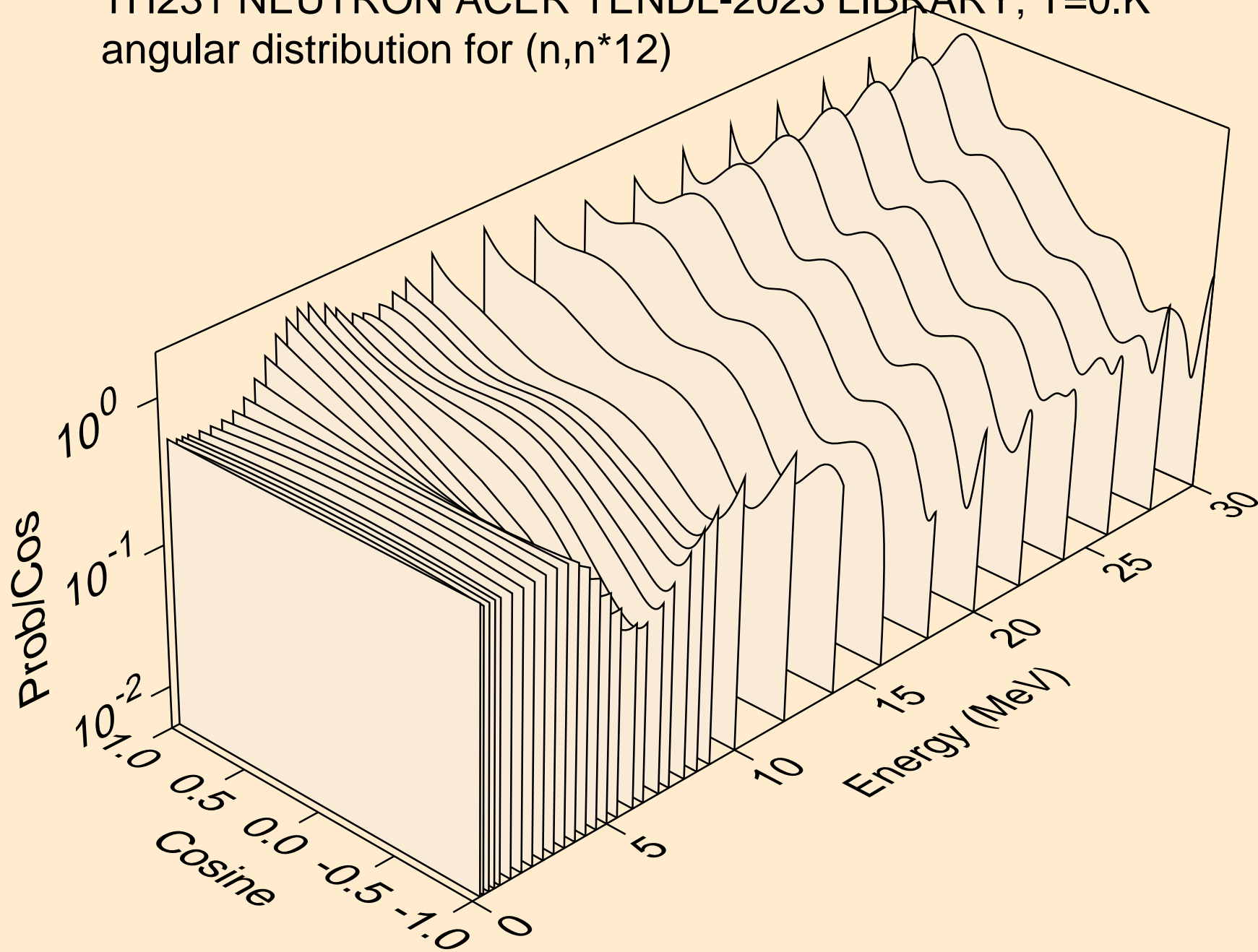
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*10)



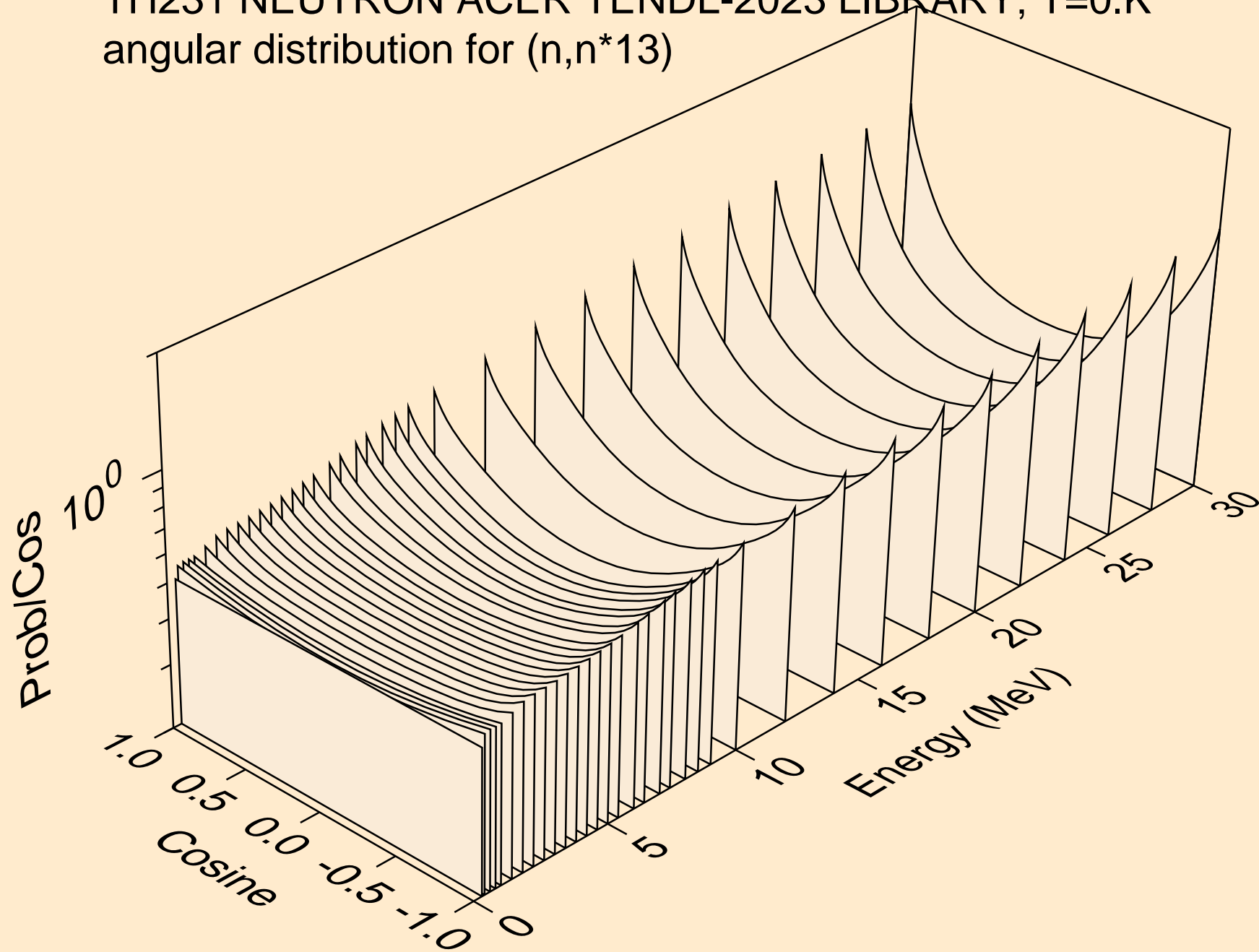
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*11)



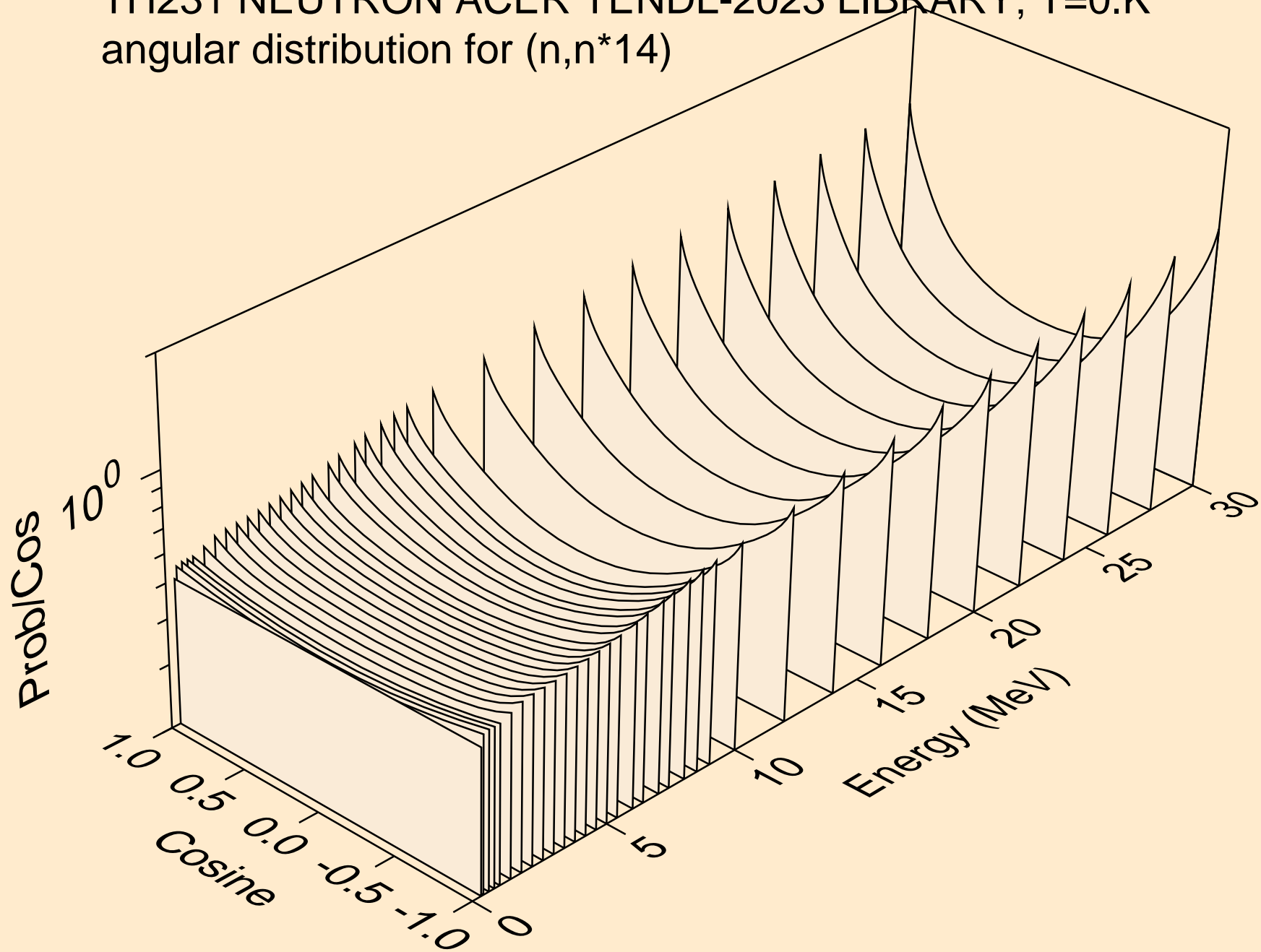
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*12)



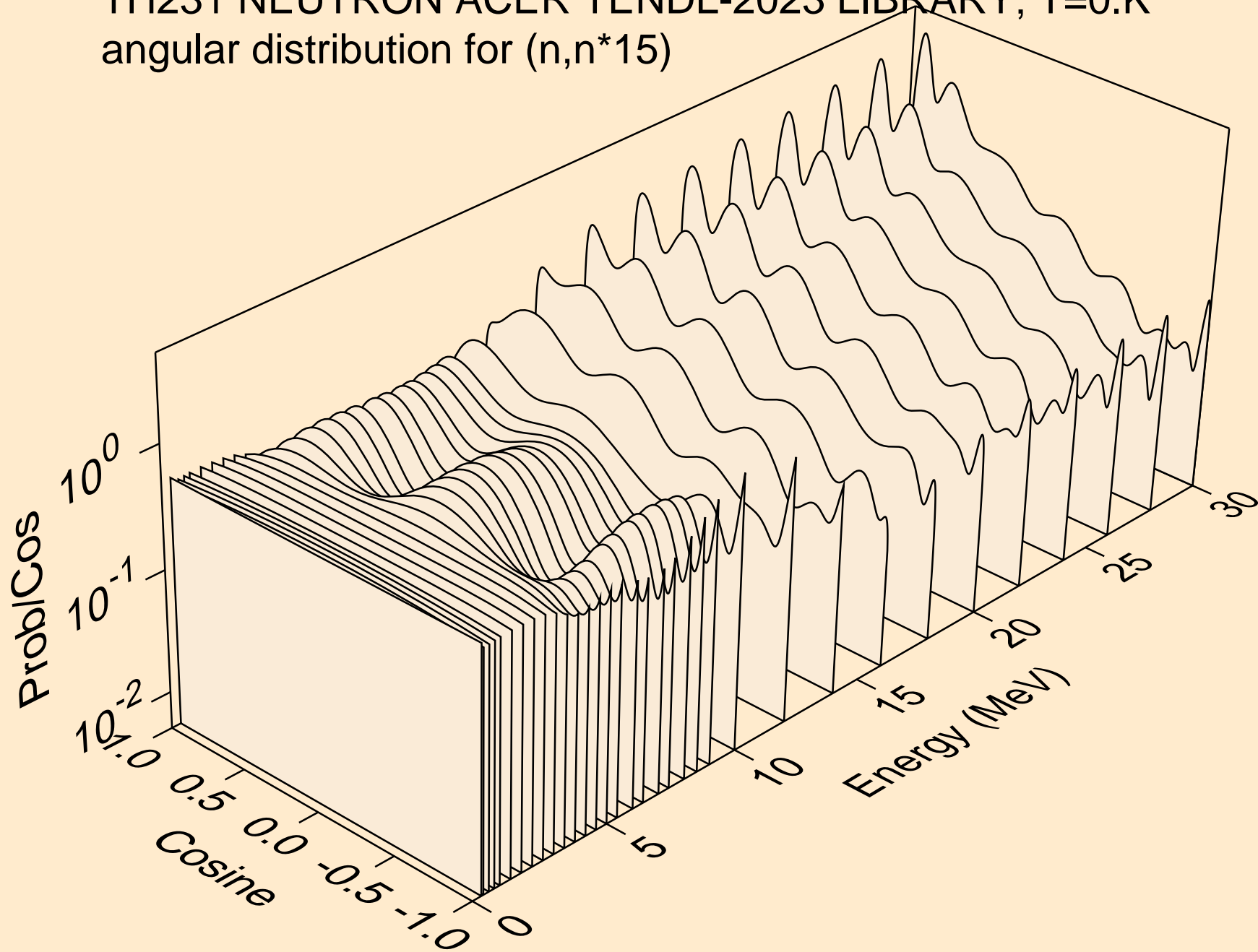
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*13)



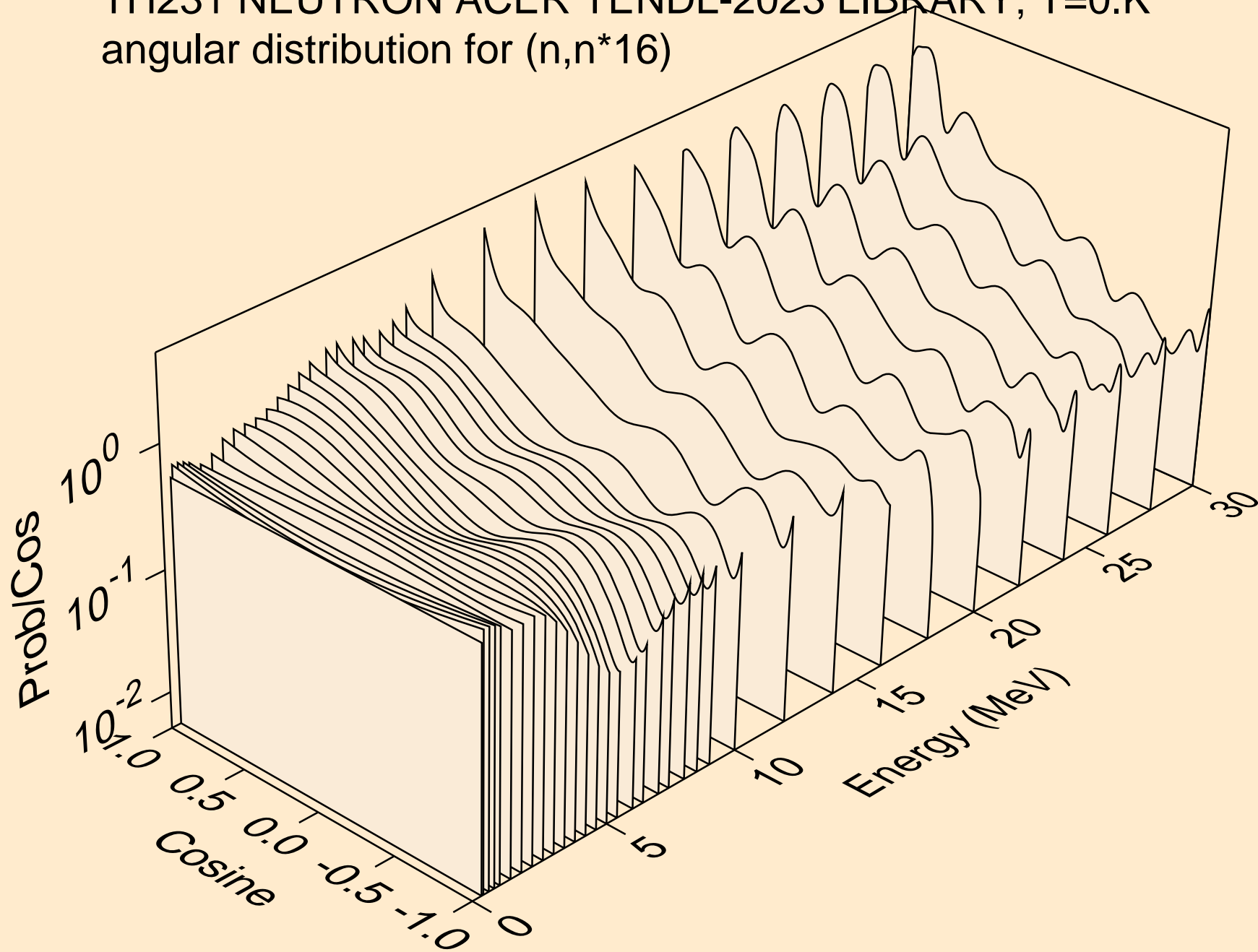
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*14)



TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*15)

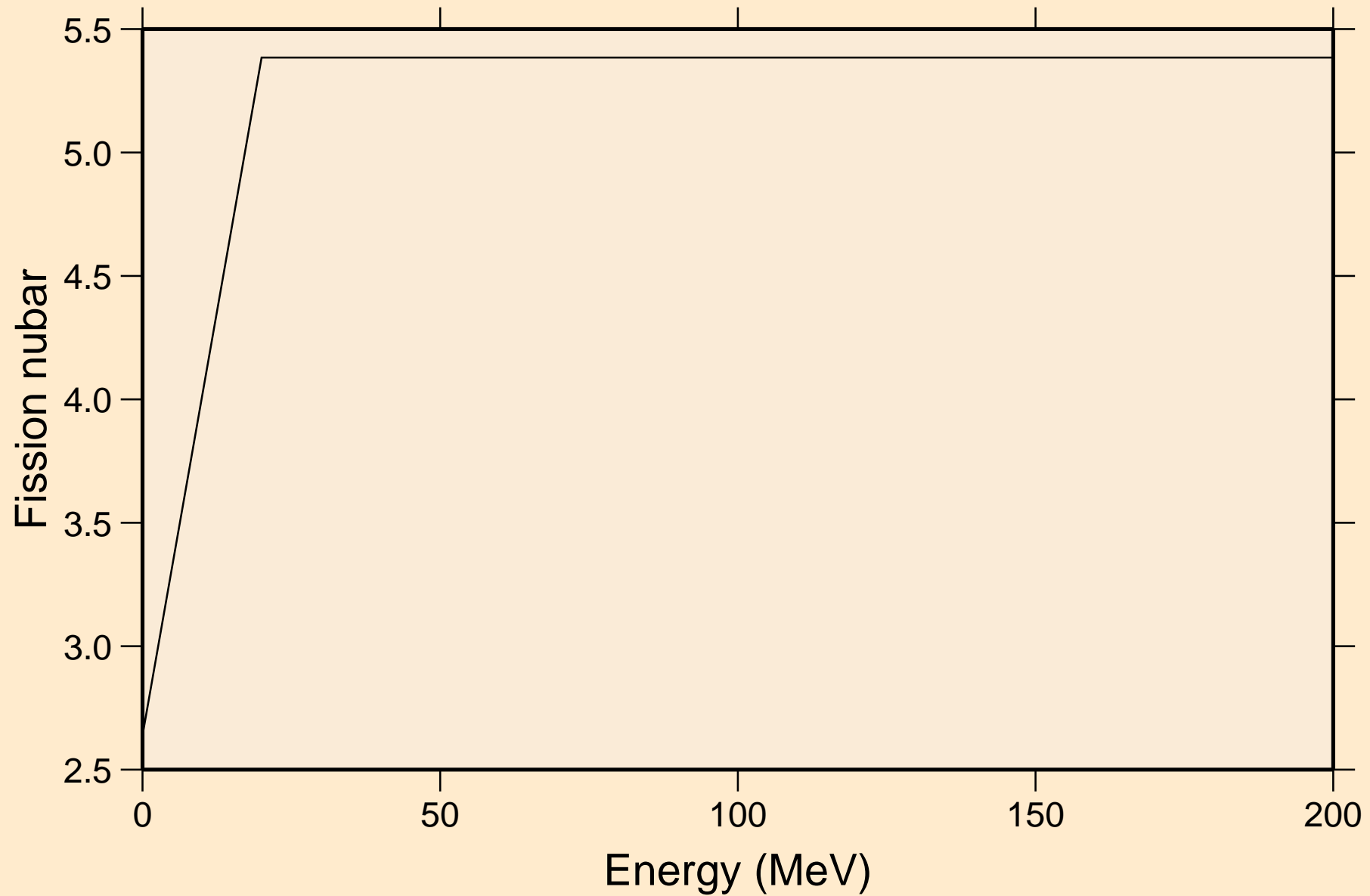


TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*16)

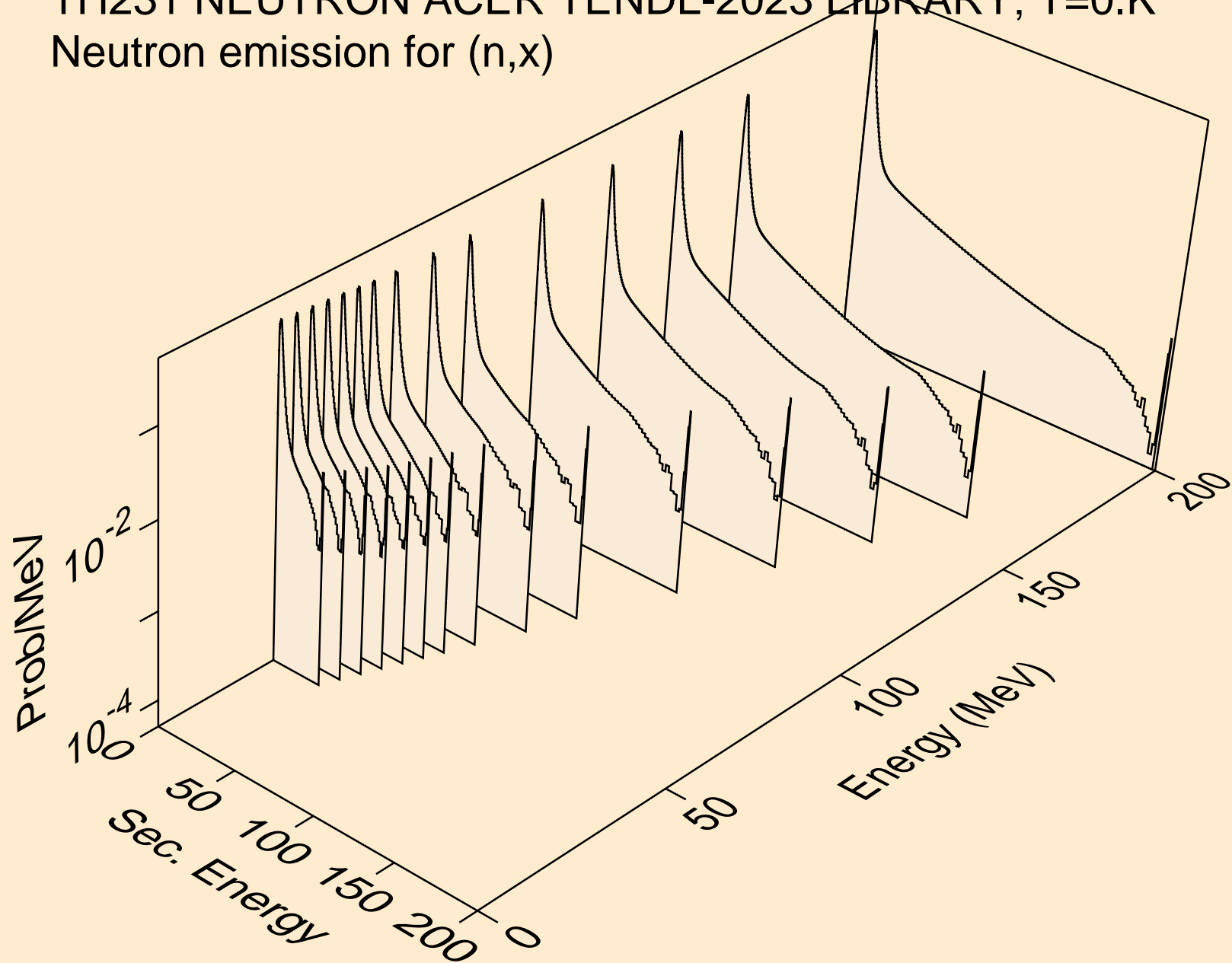


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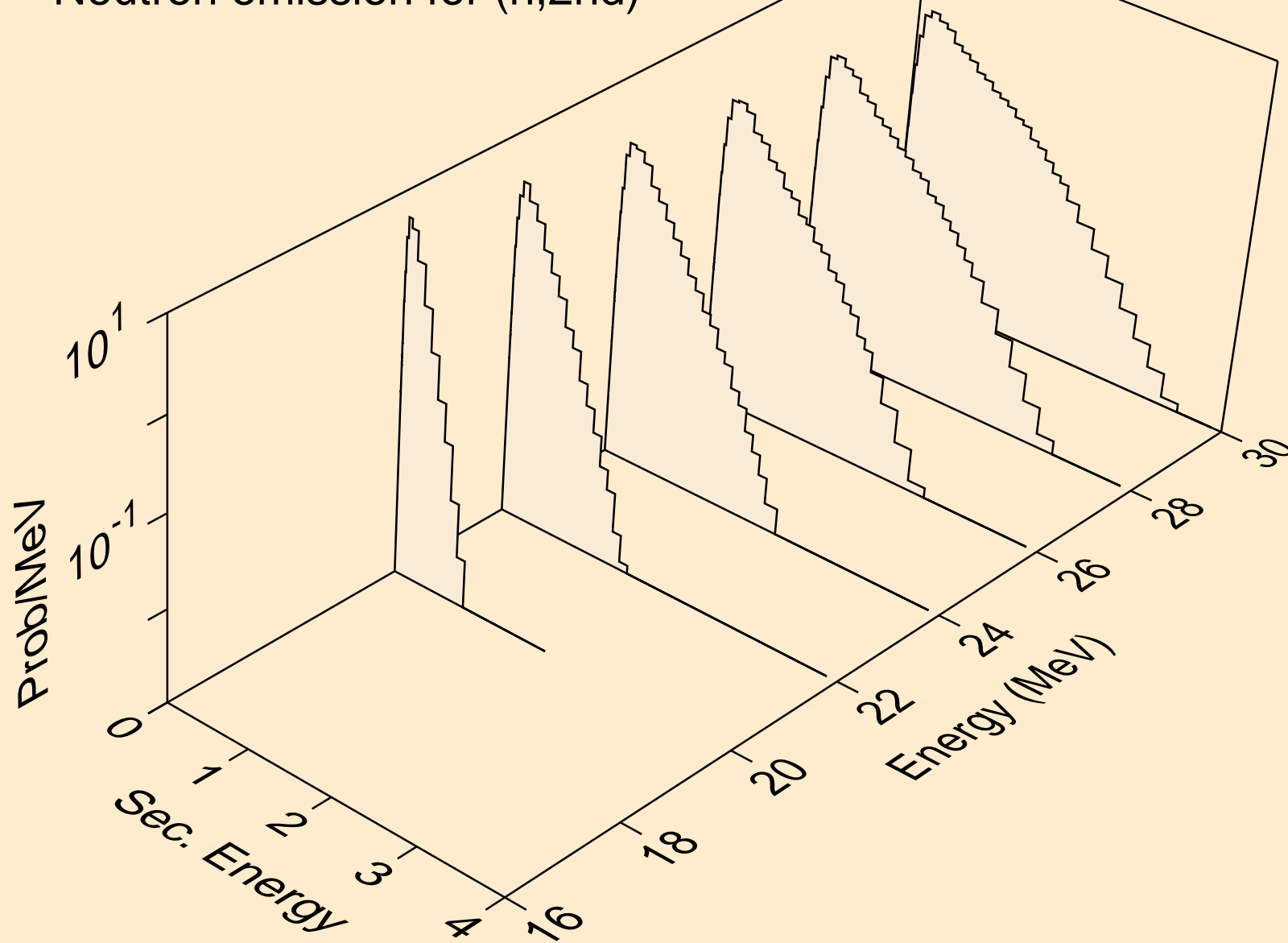
Total fission nubar



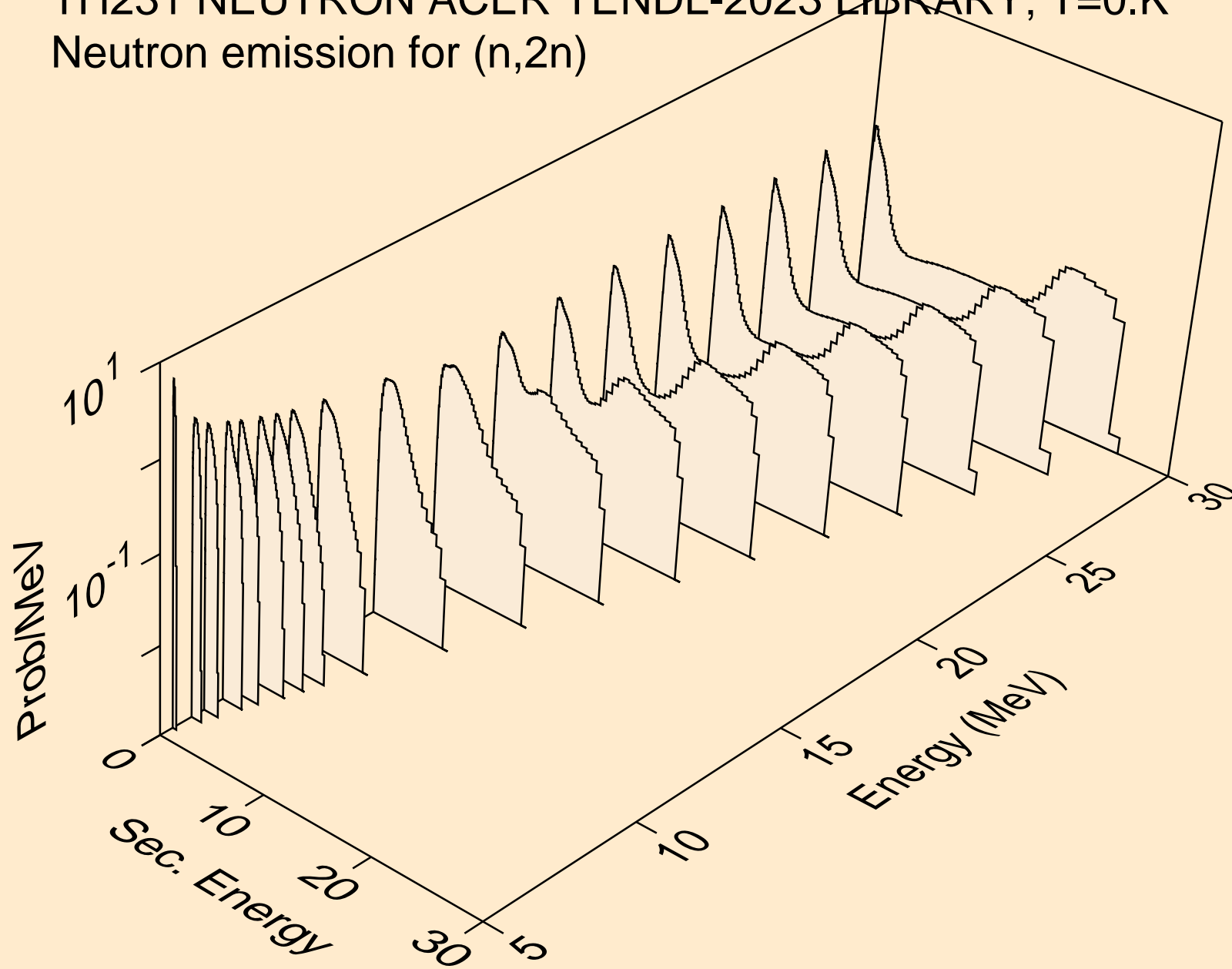
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,x)



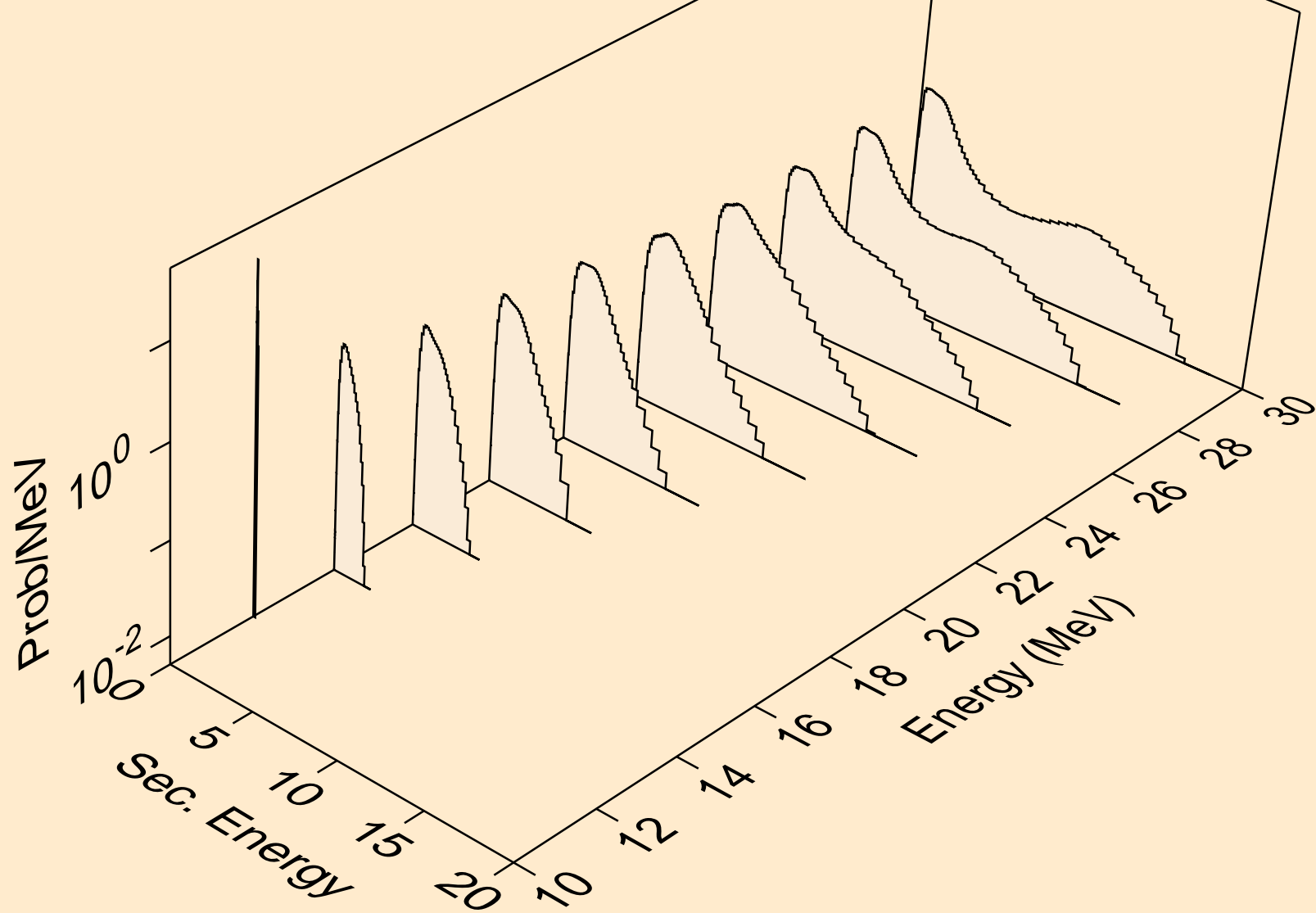
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2nd)



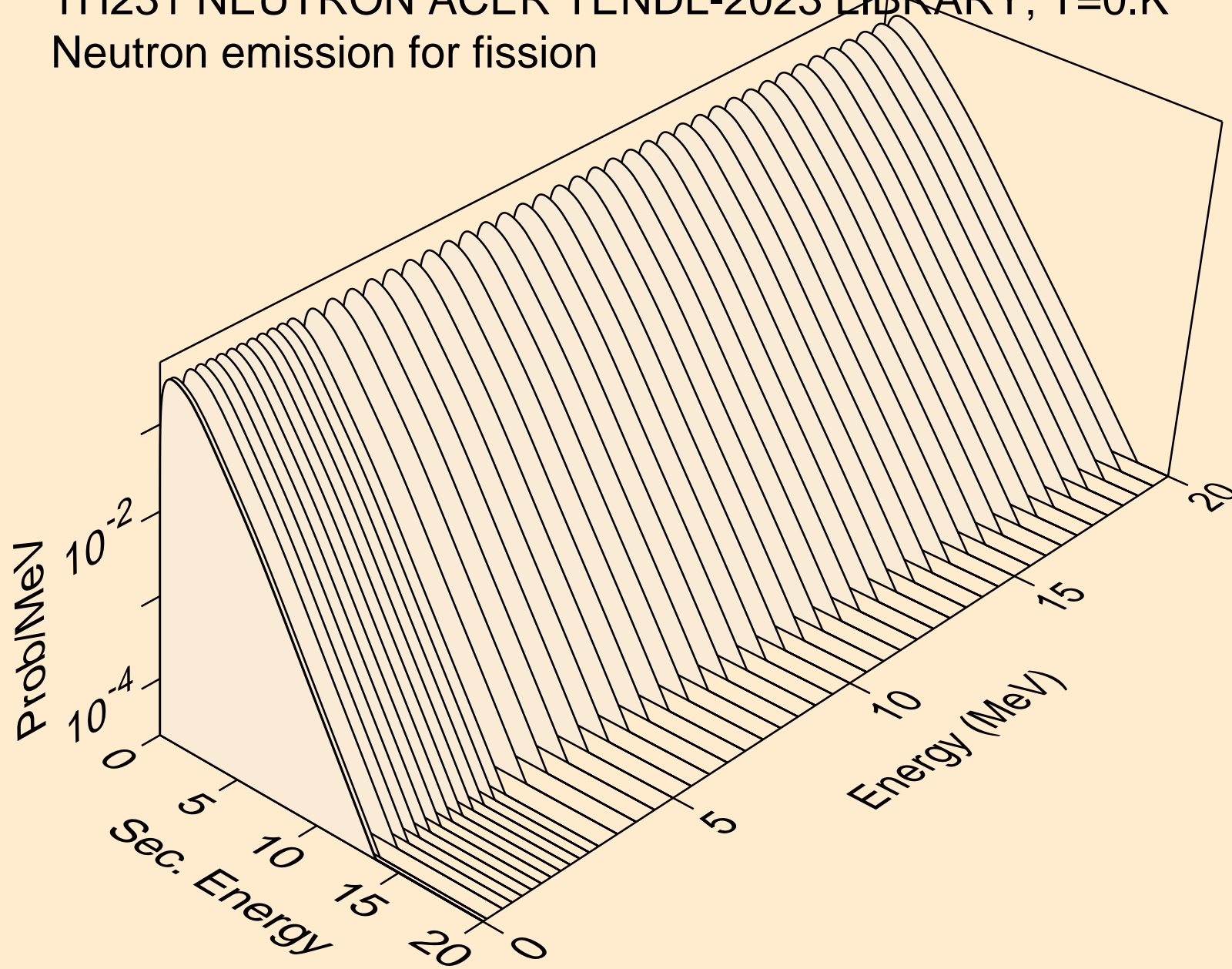
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n)



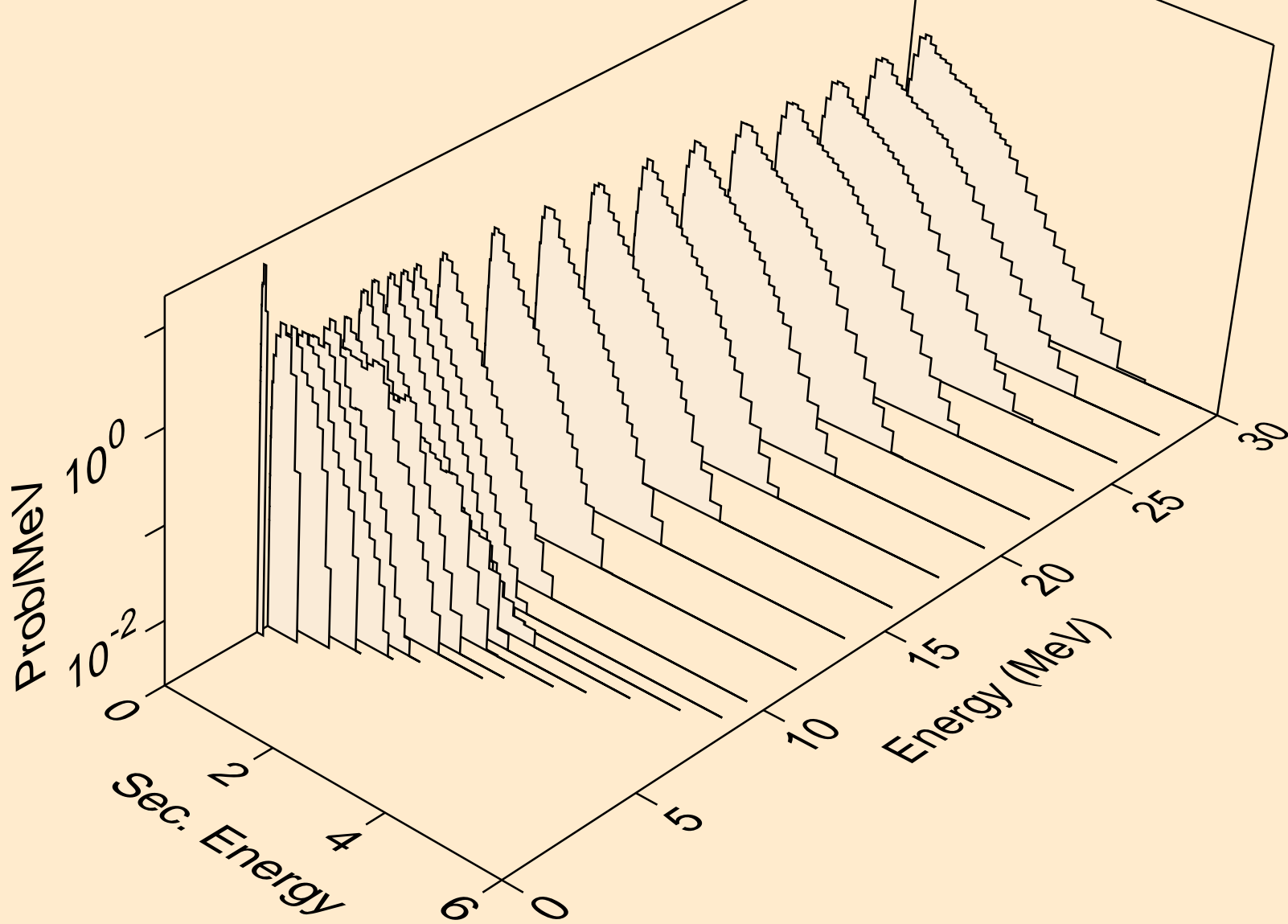
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3n)



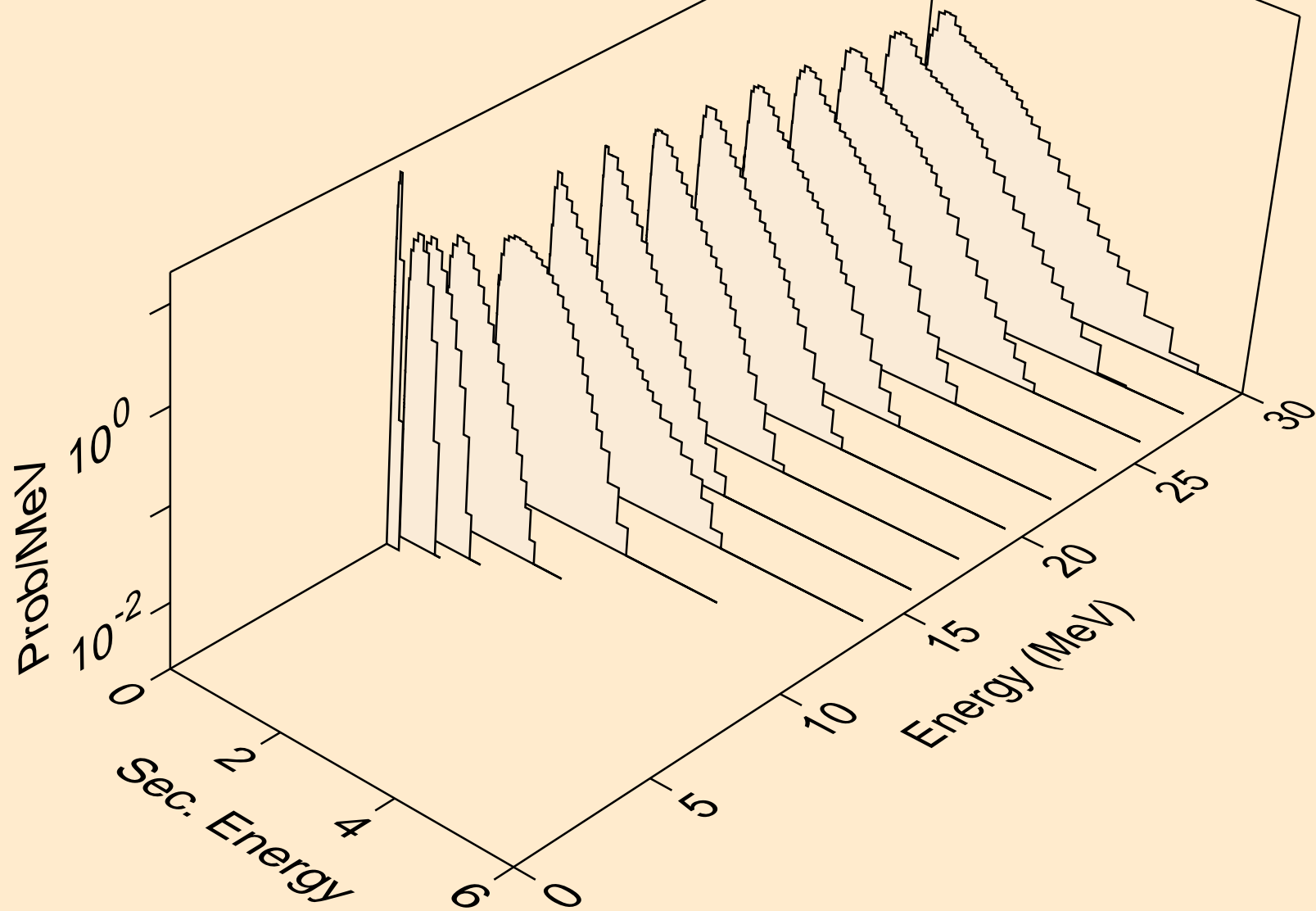
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for fission



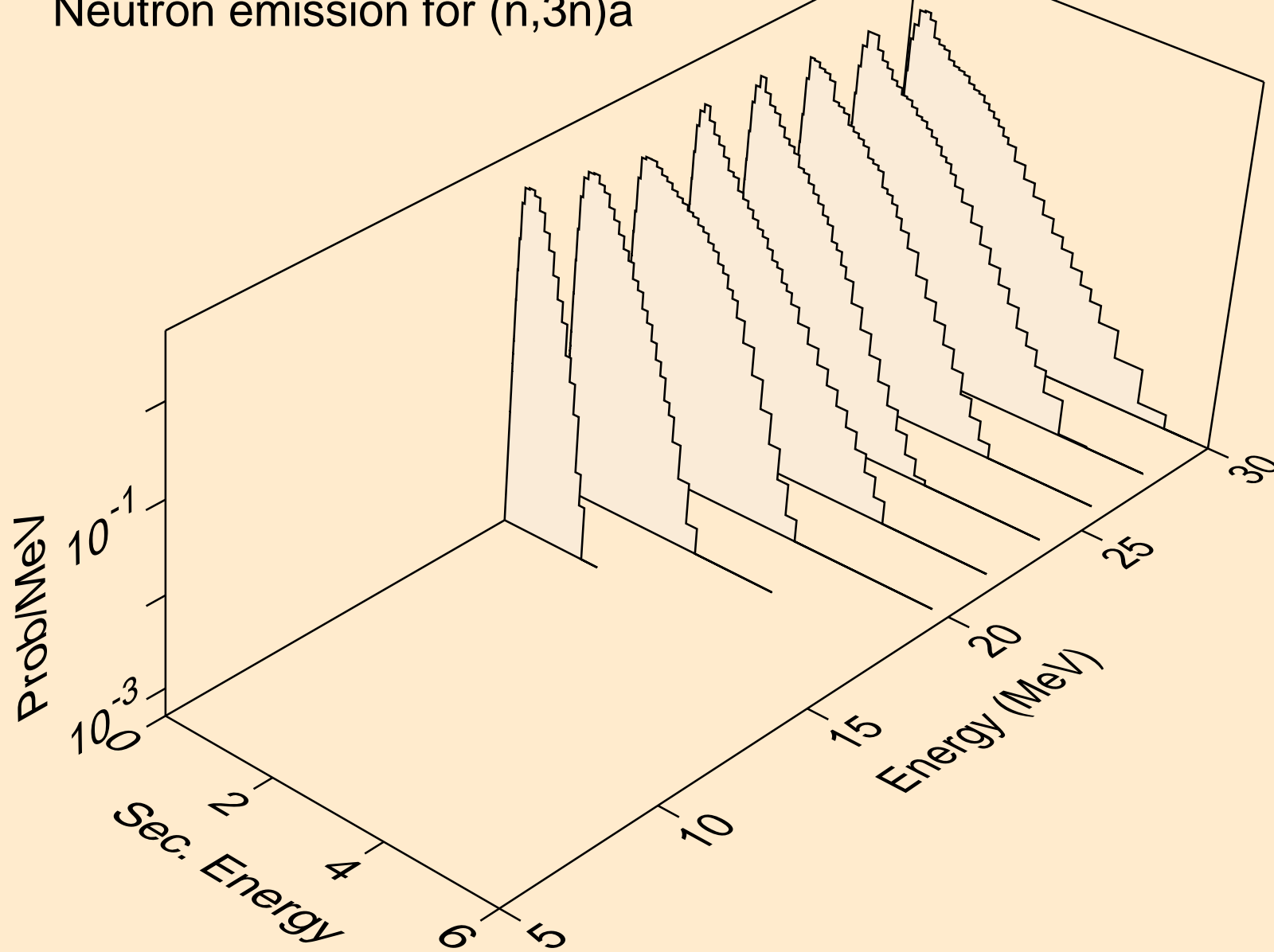
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)a



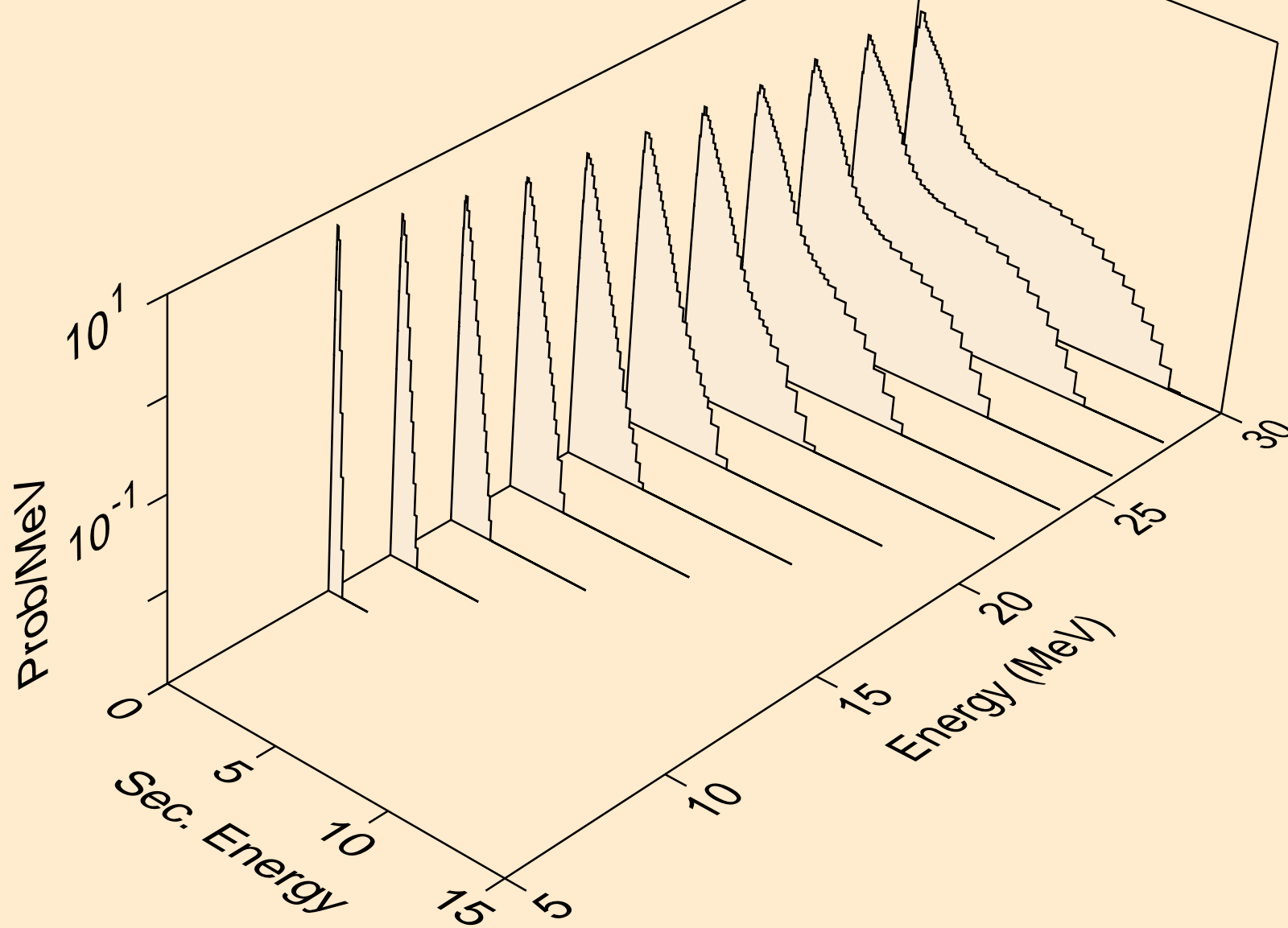
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n)a



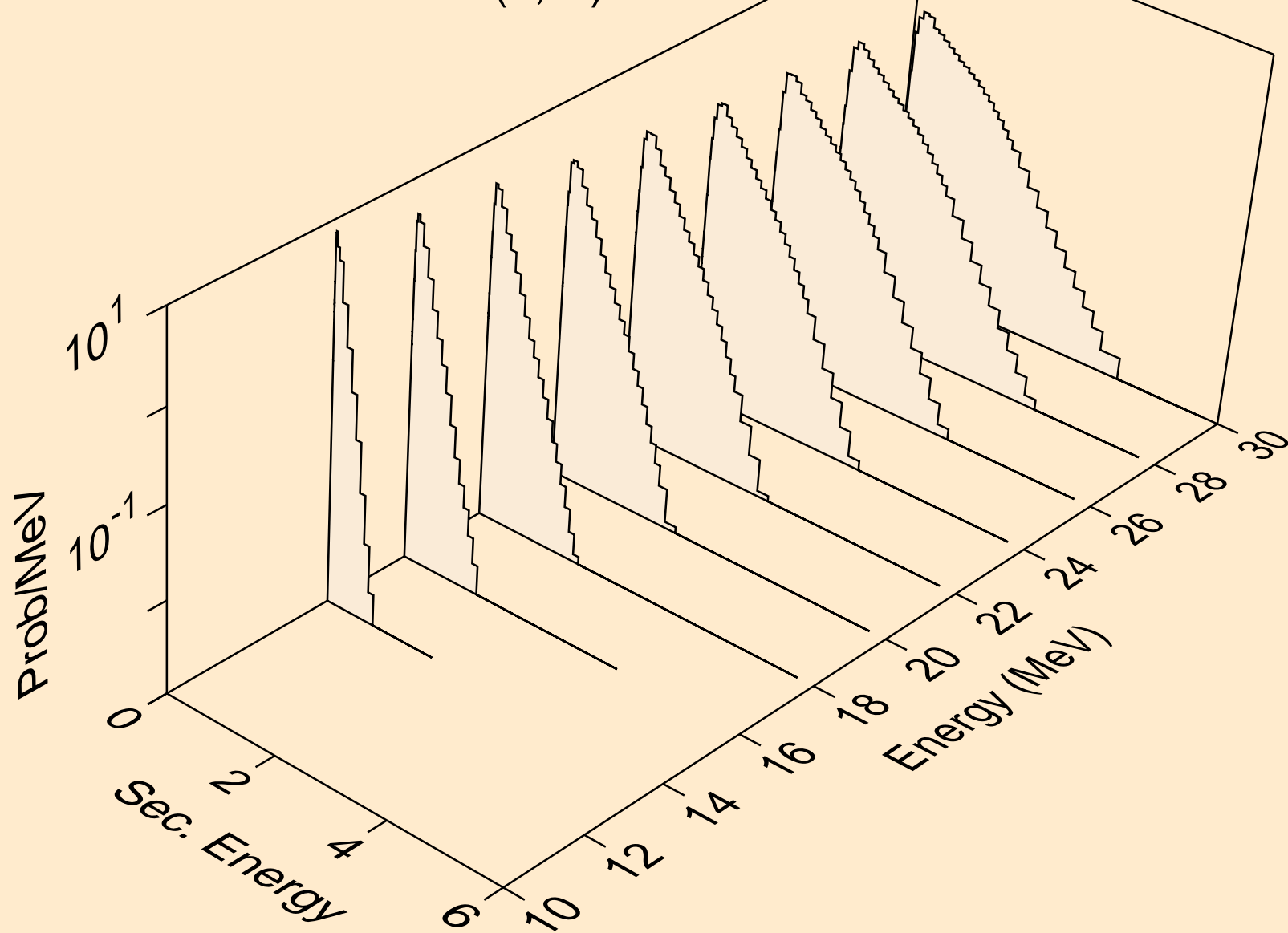
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3n)a



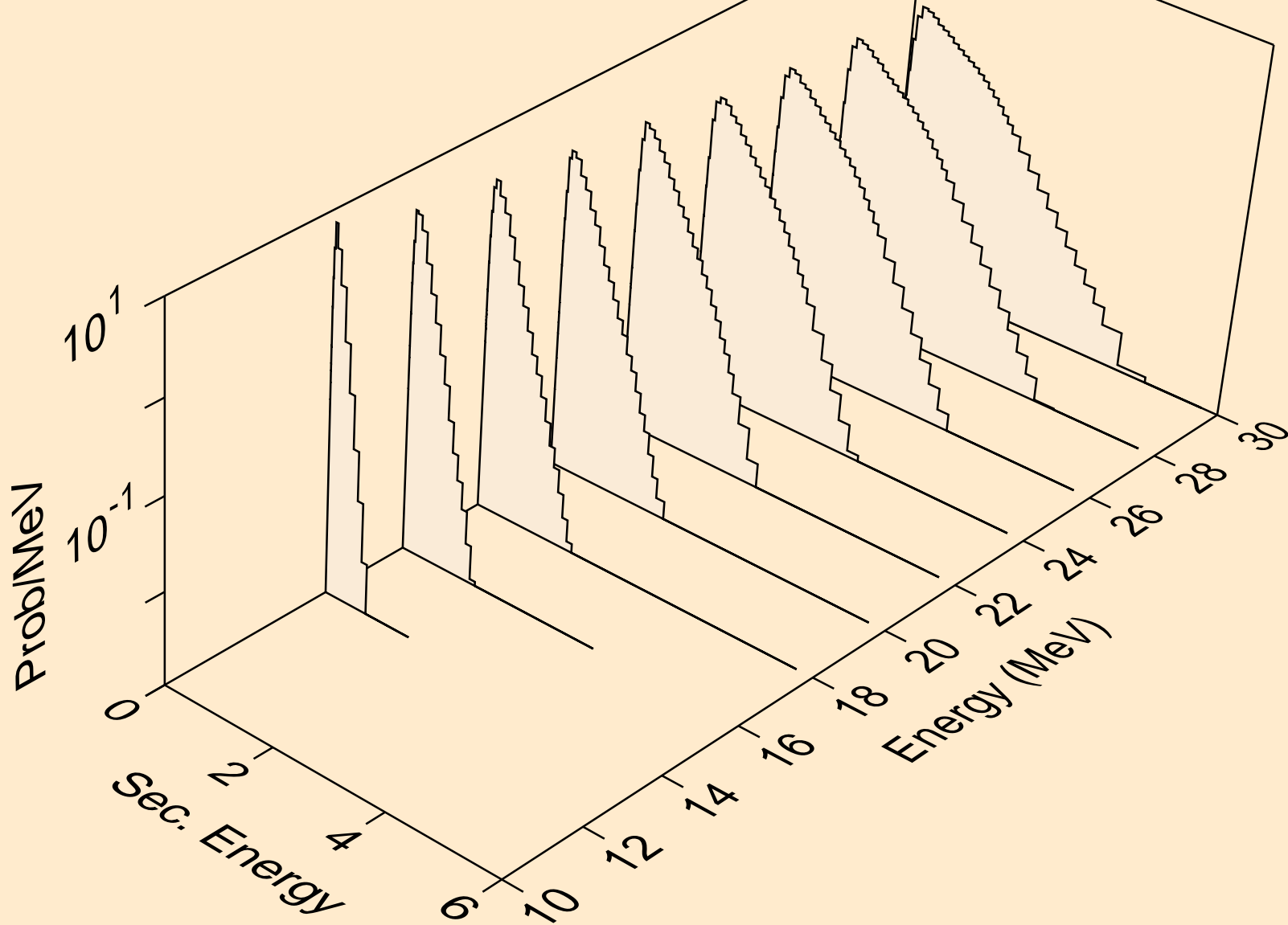
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)p



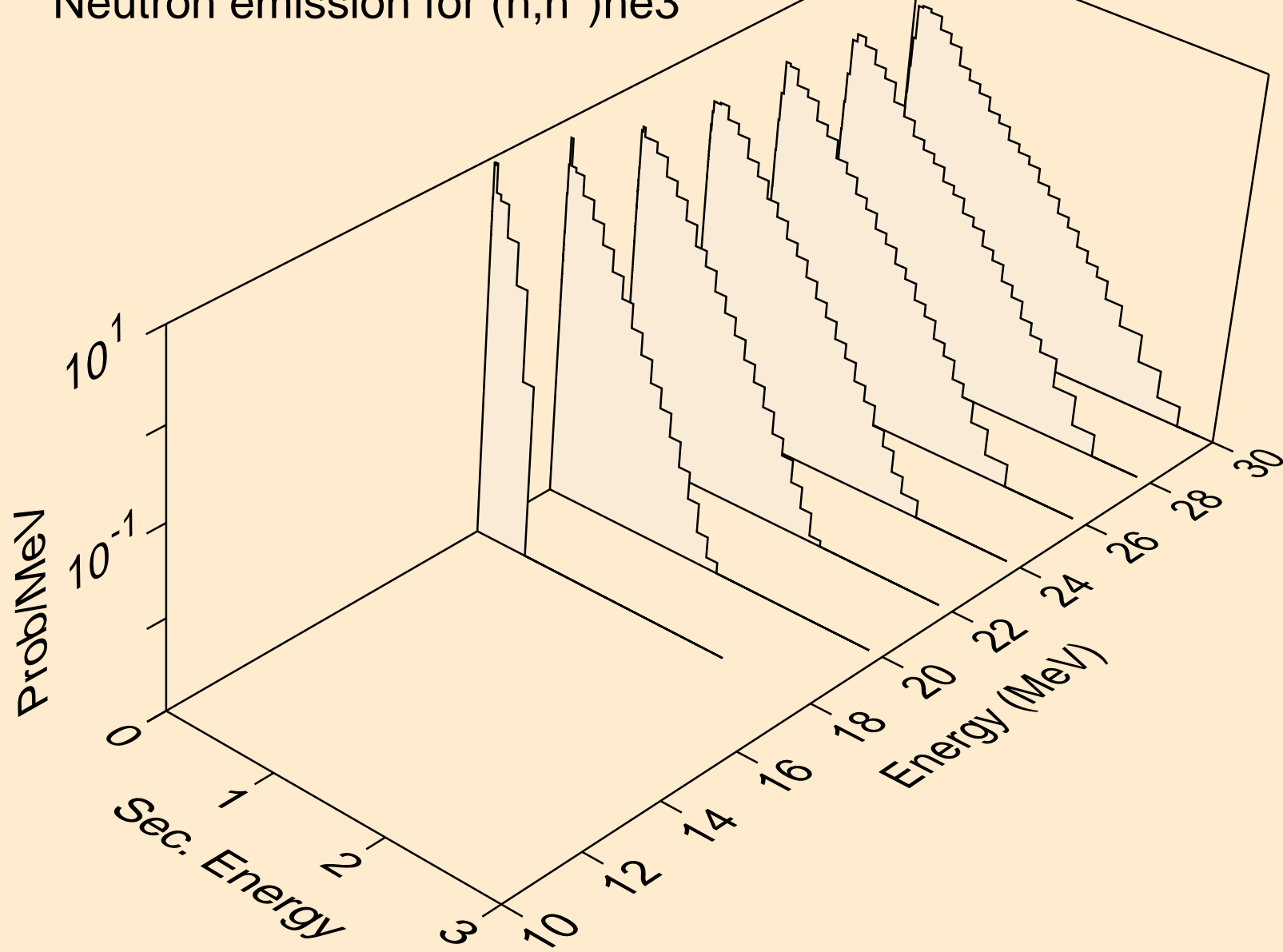
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)d



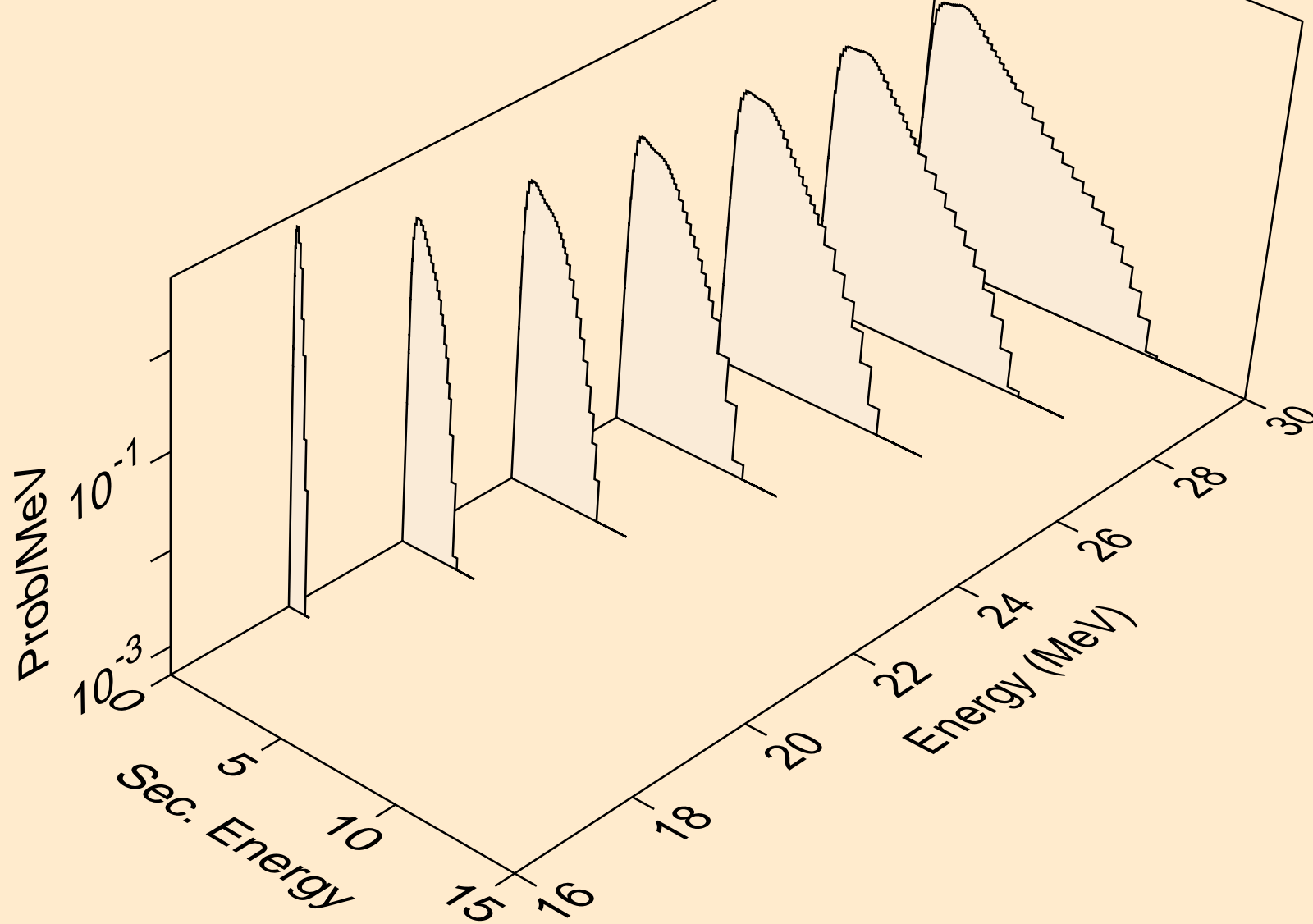
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)t



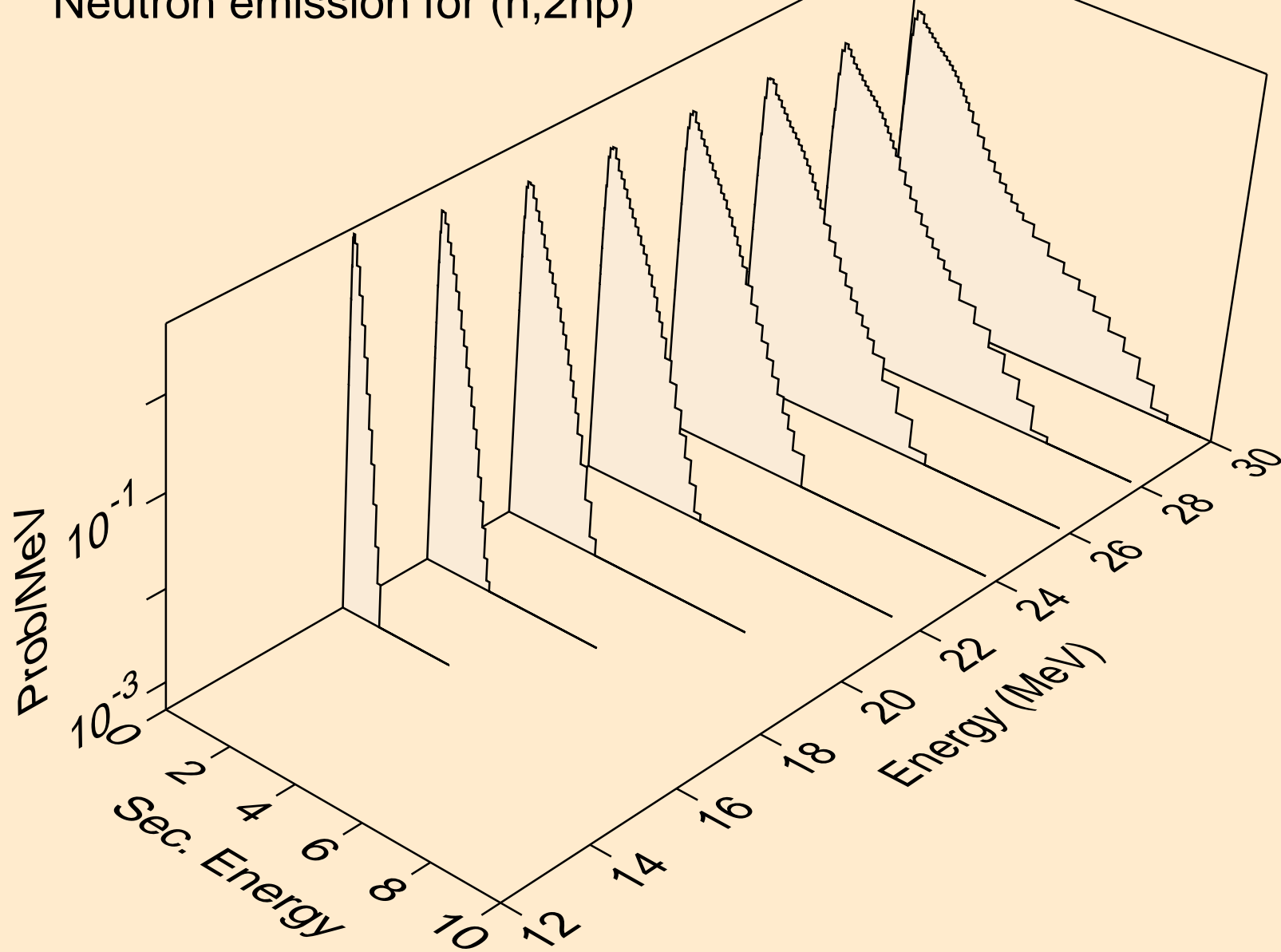
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)he3



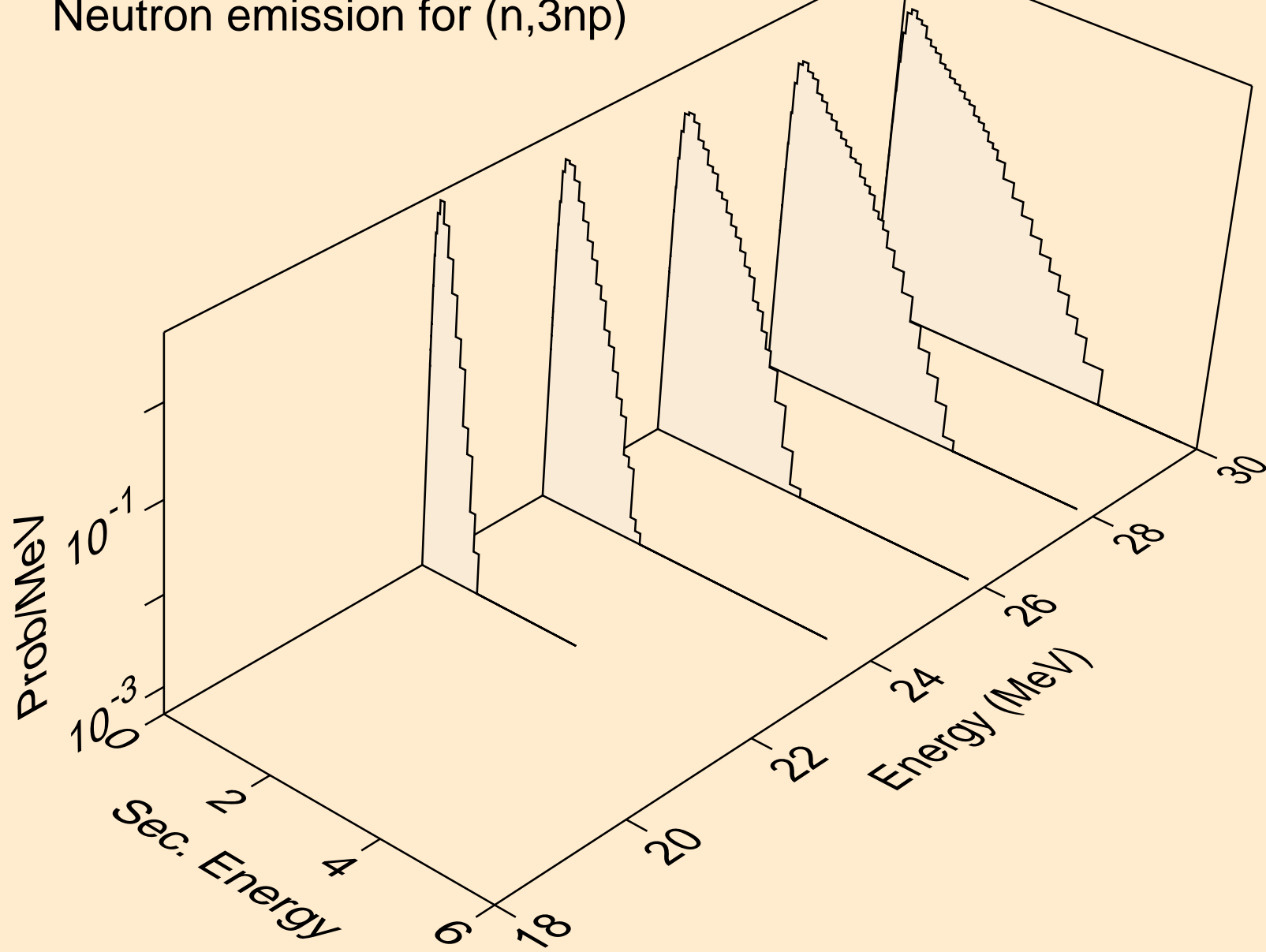
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,4n)



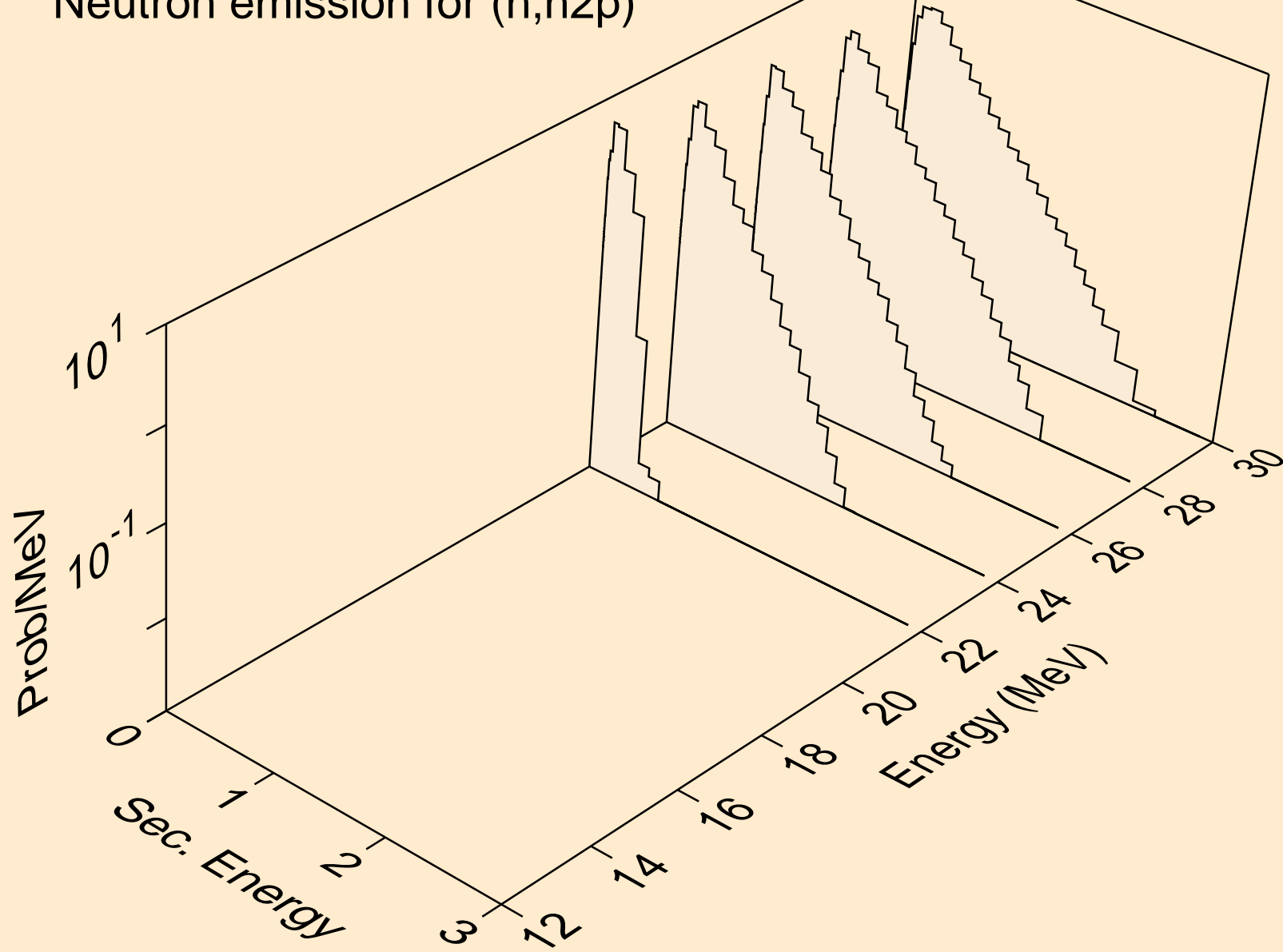
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2np)



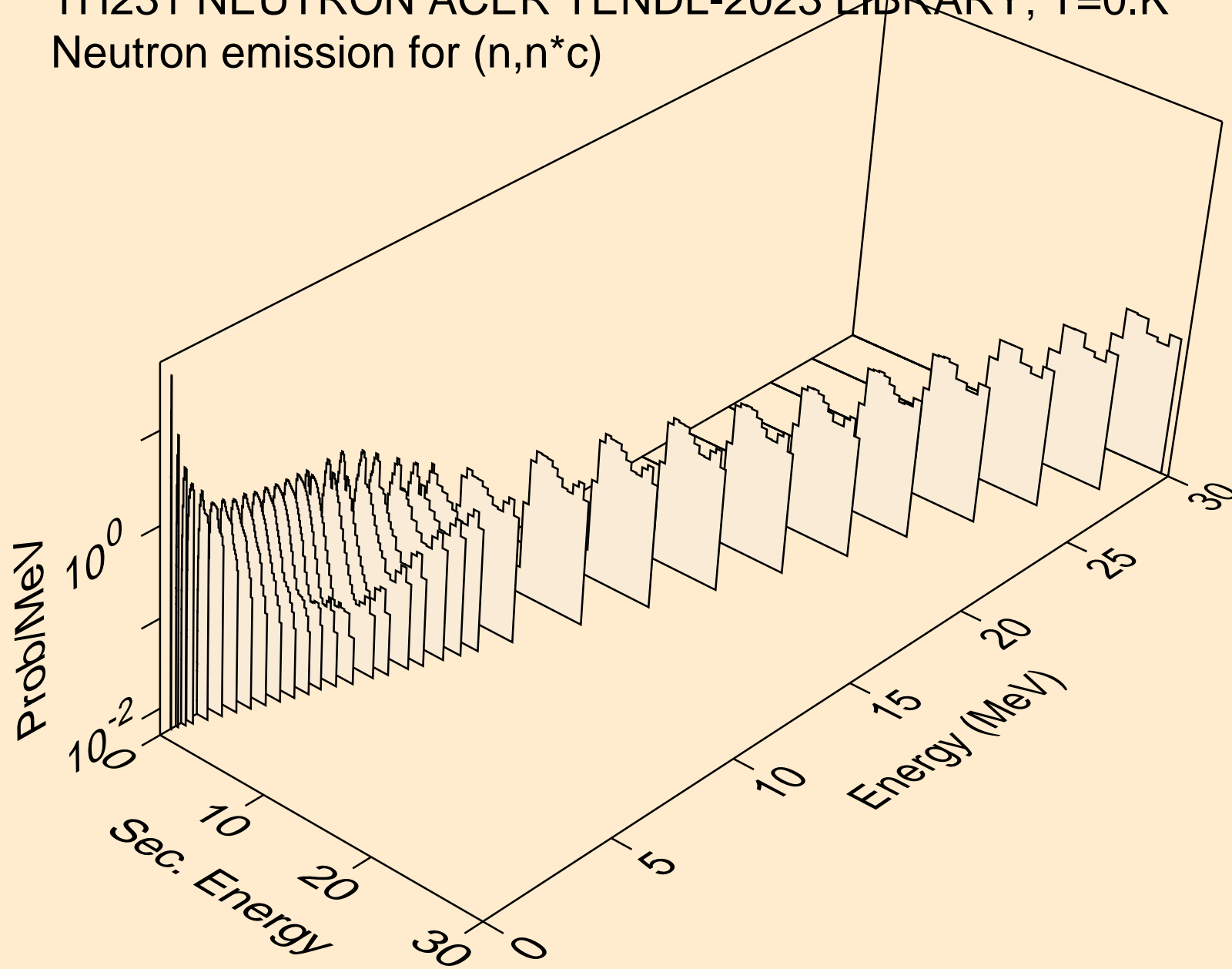
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3np)



TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n2p)

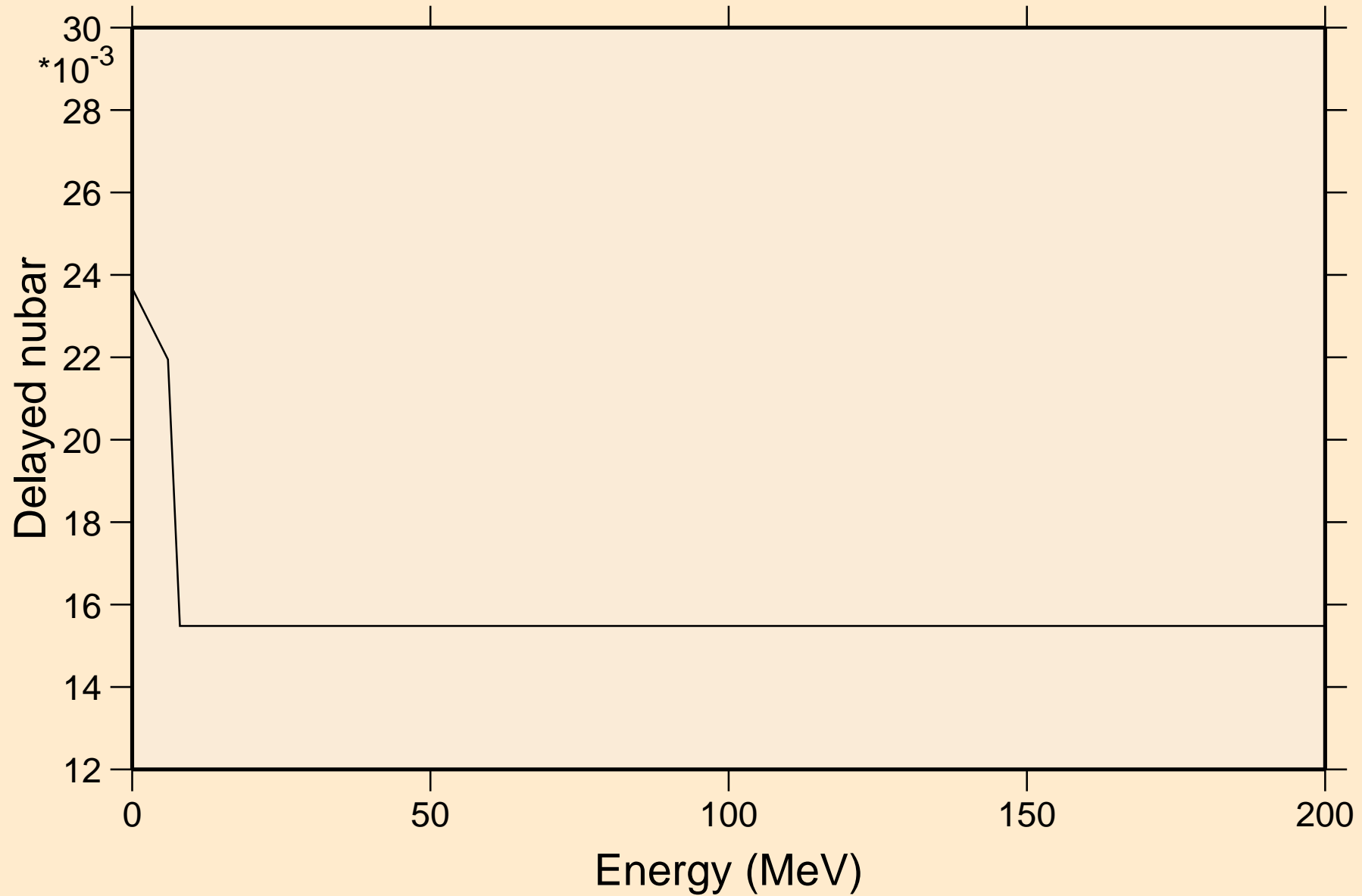


TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*c)



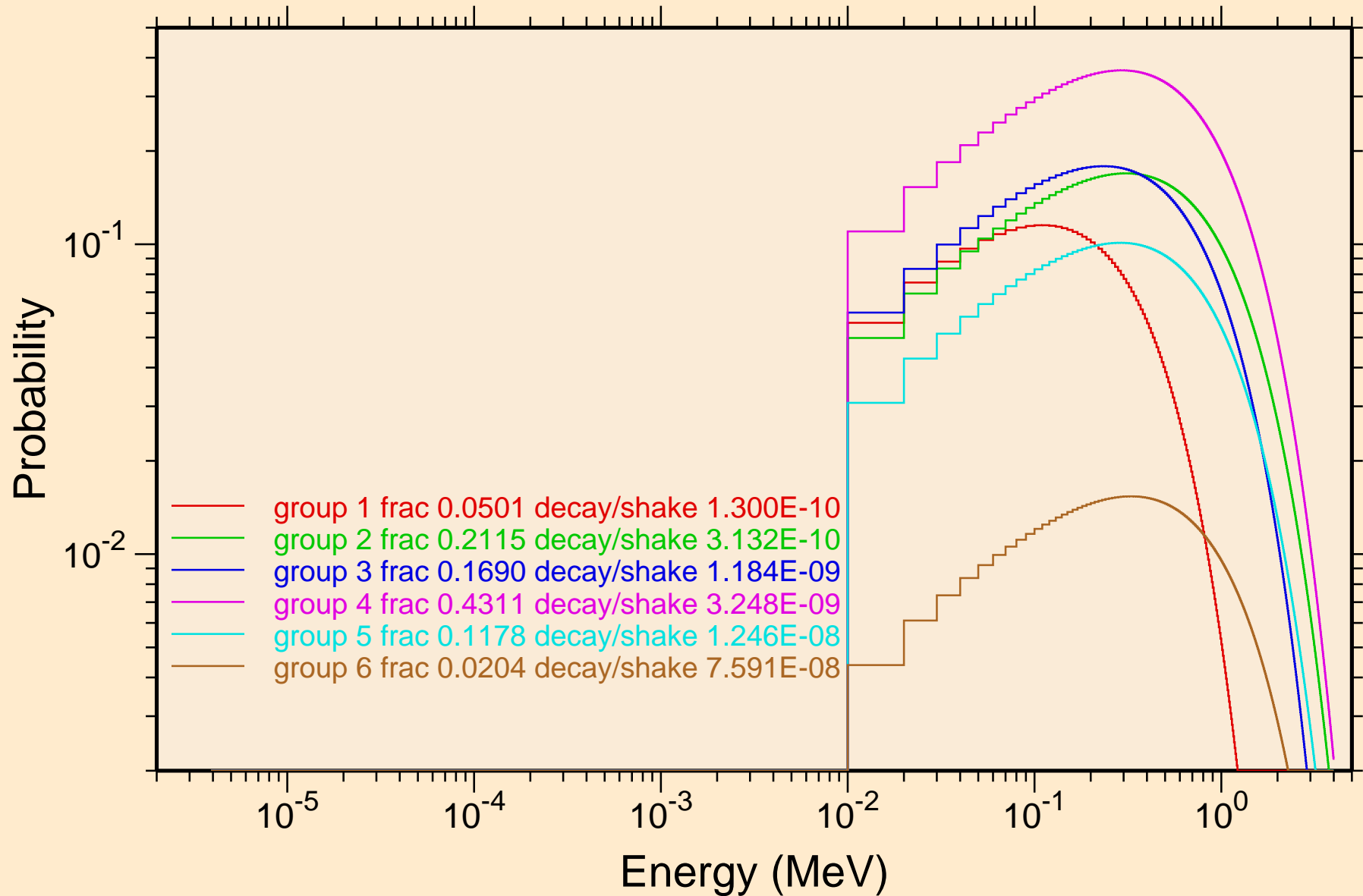
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Delayed nubar

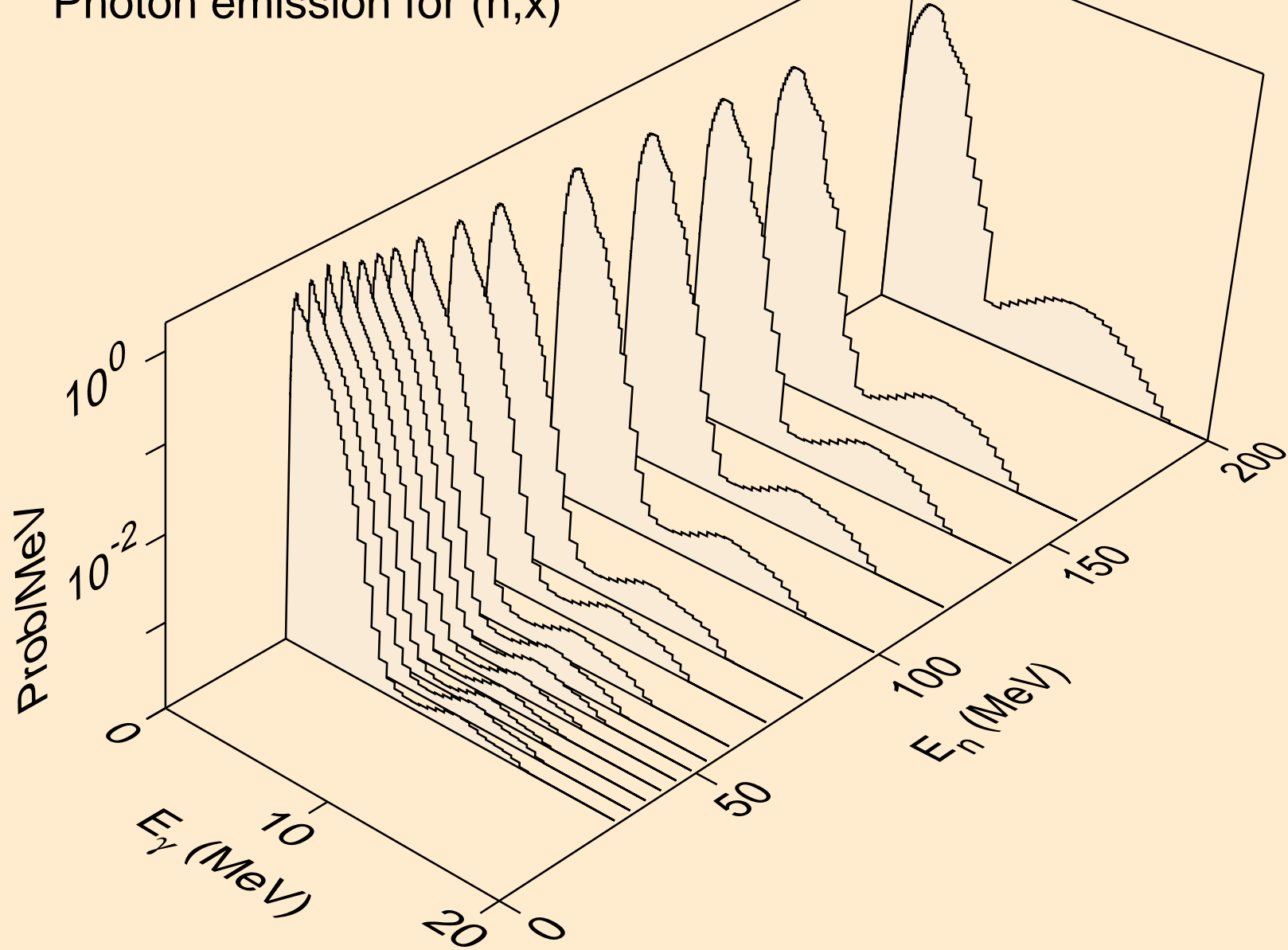


TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

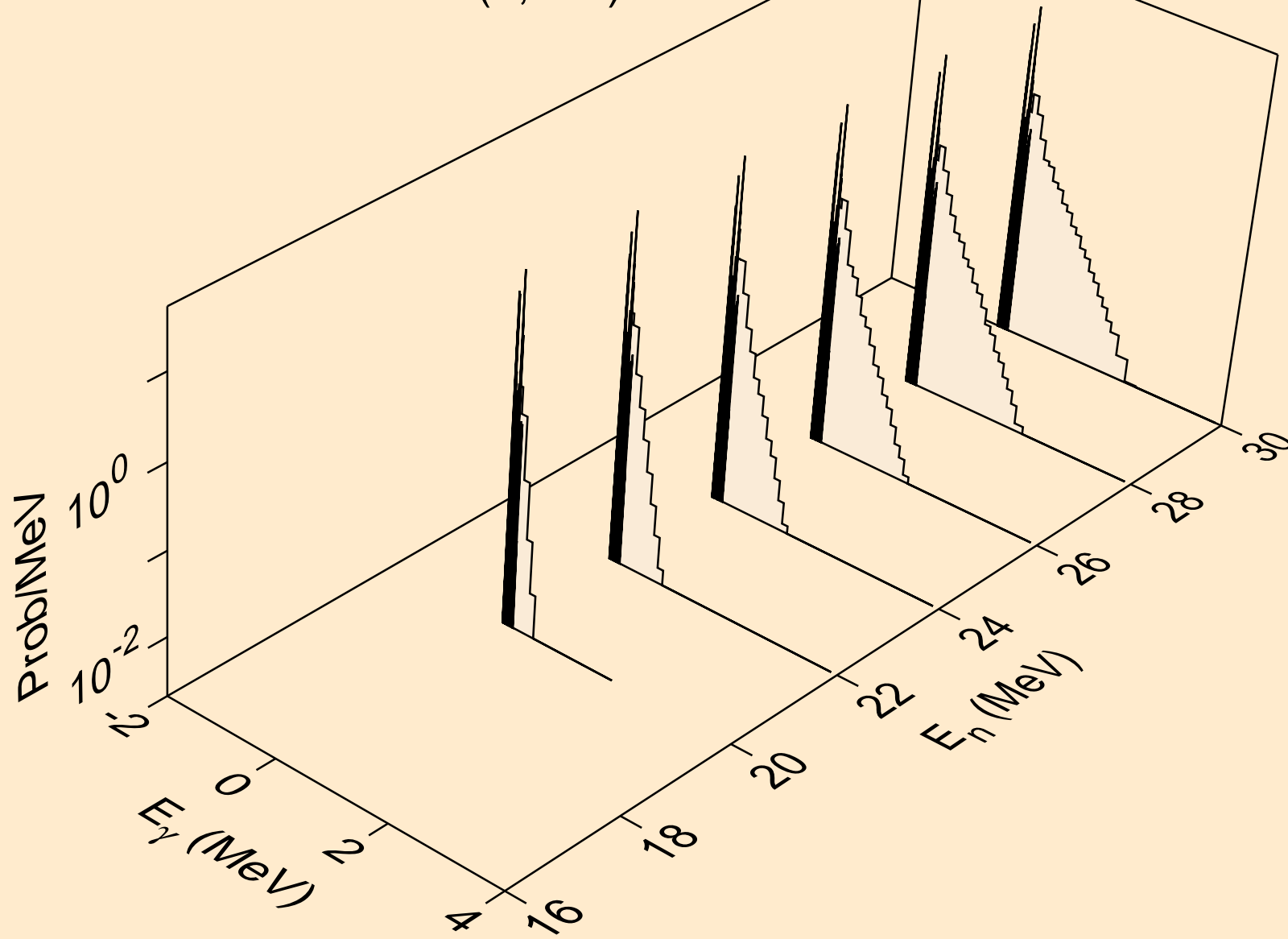
Delayed neutron spectra



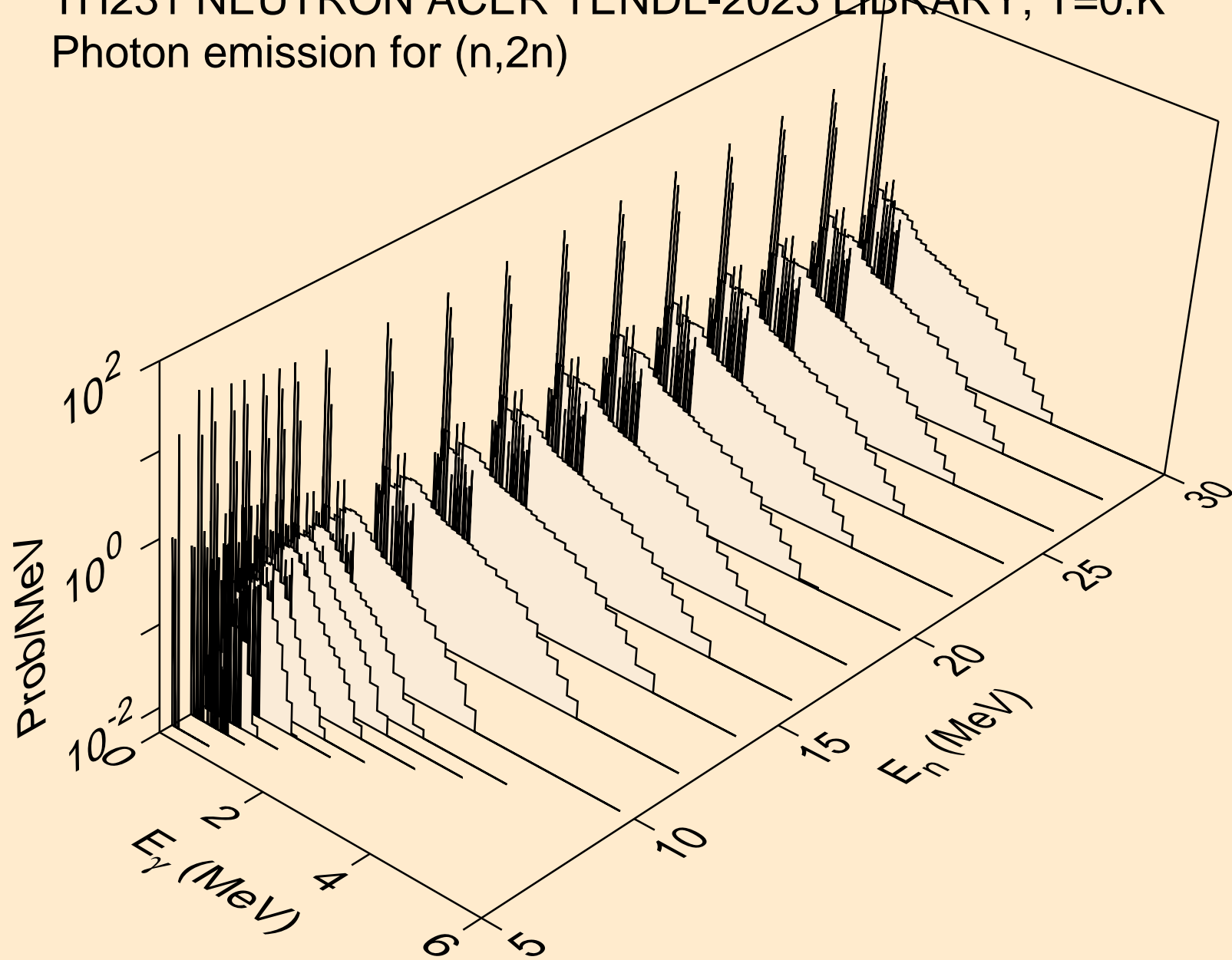
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,x)



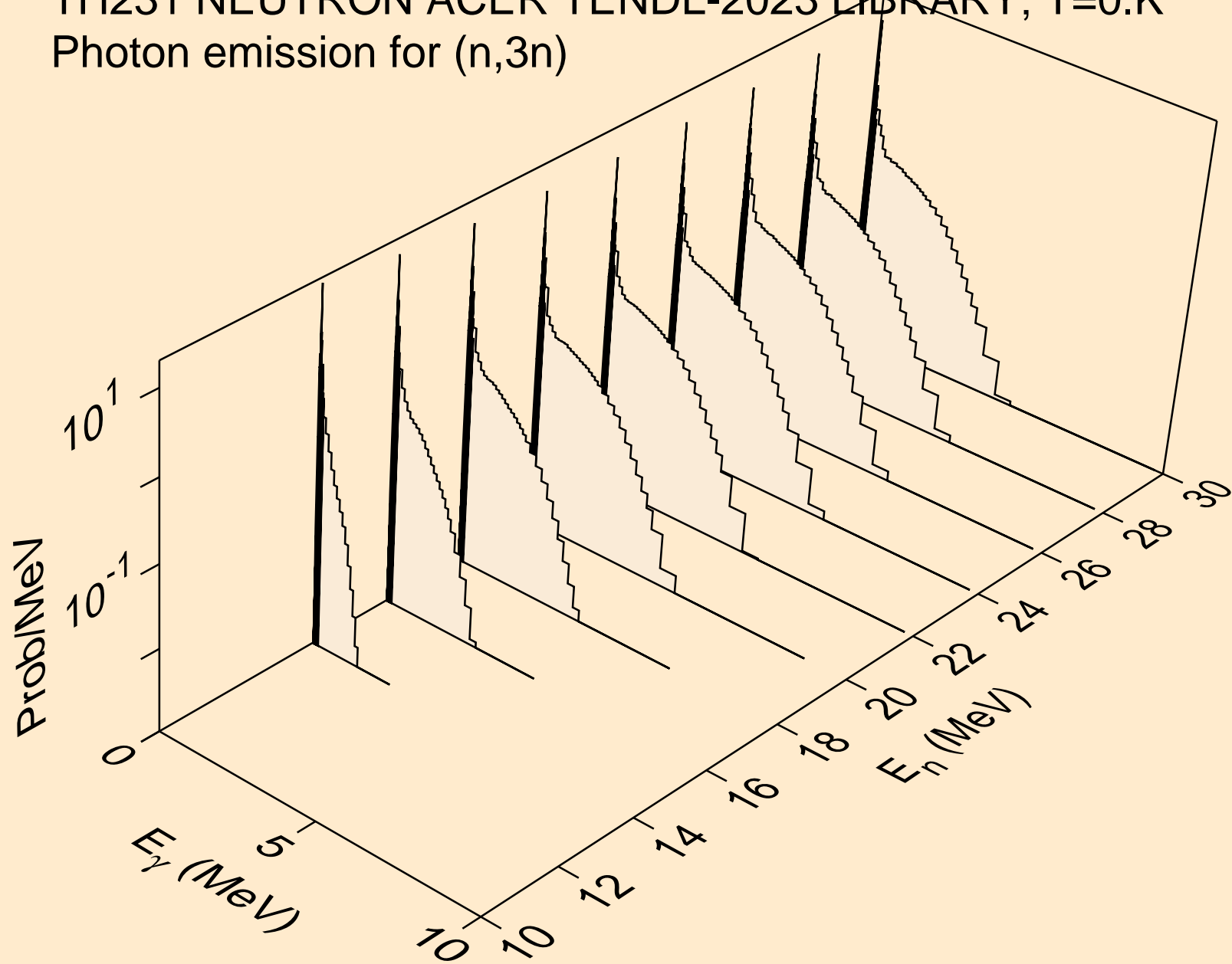
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2nd)



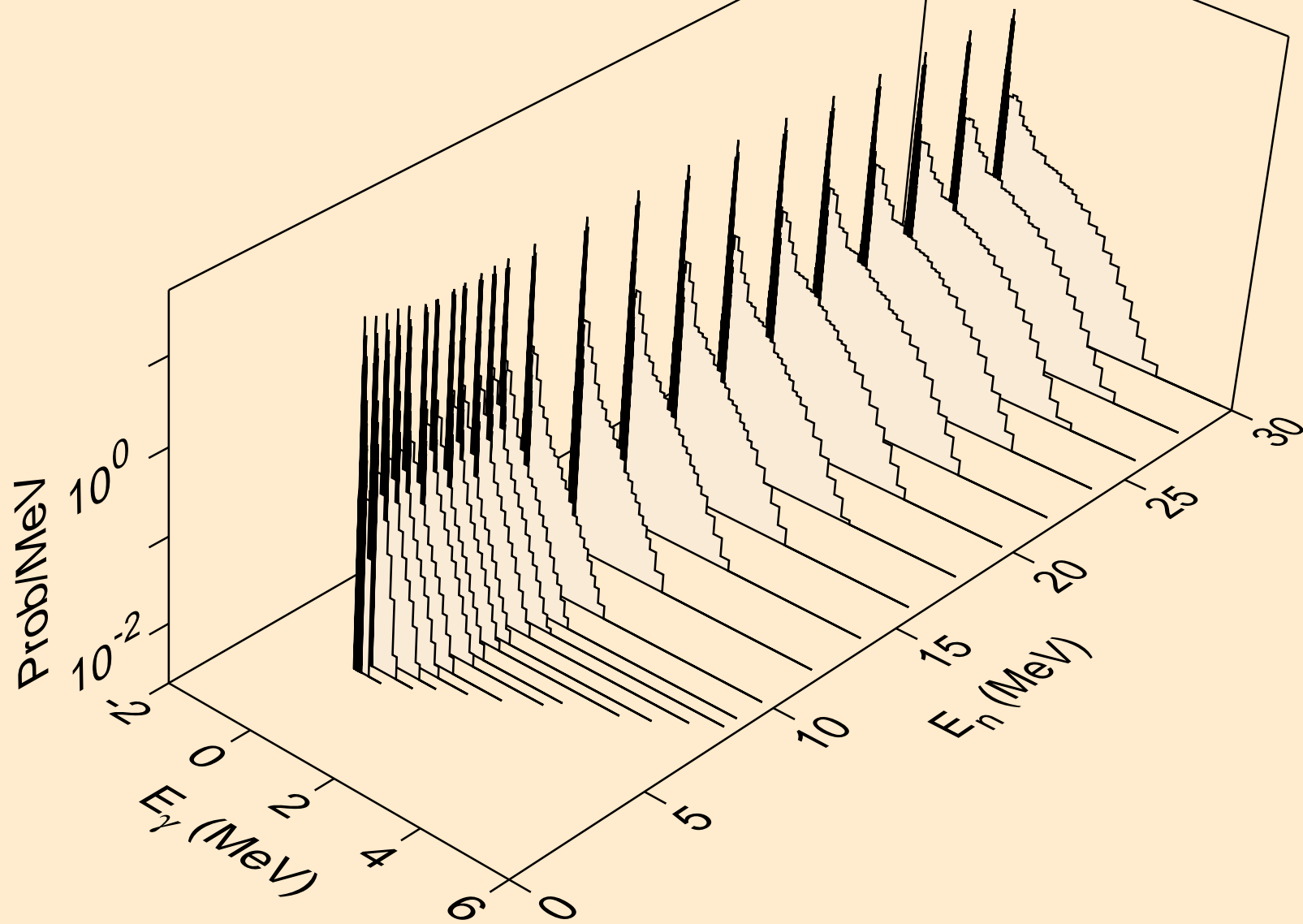
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)



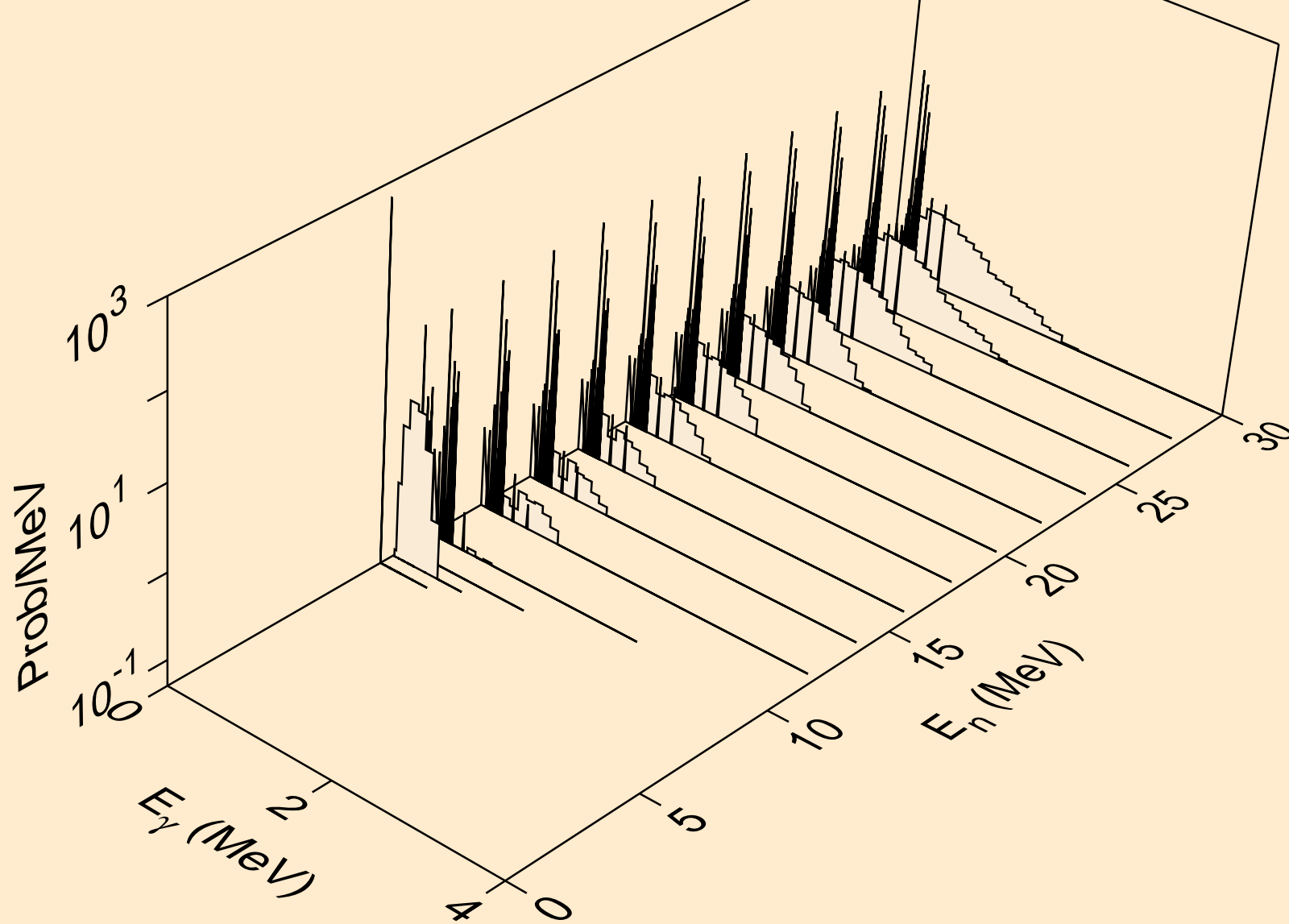
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)



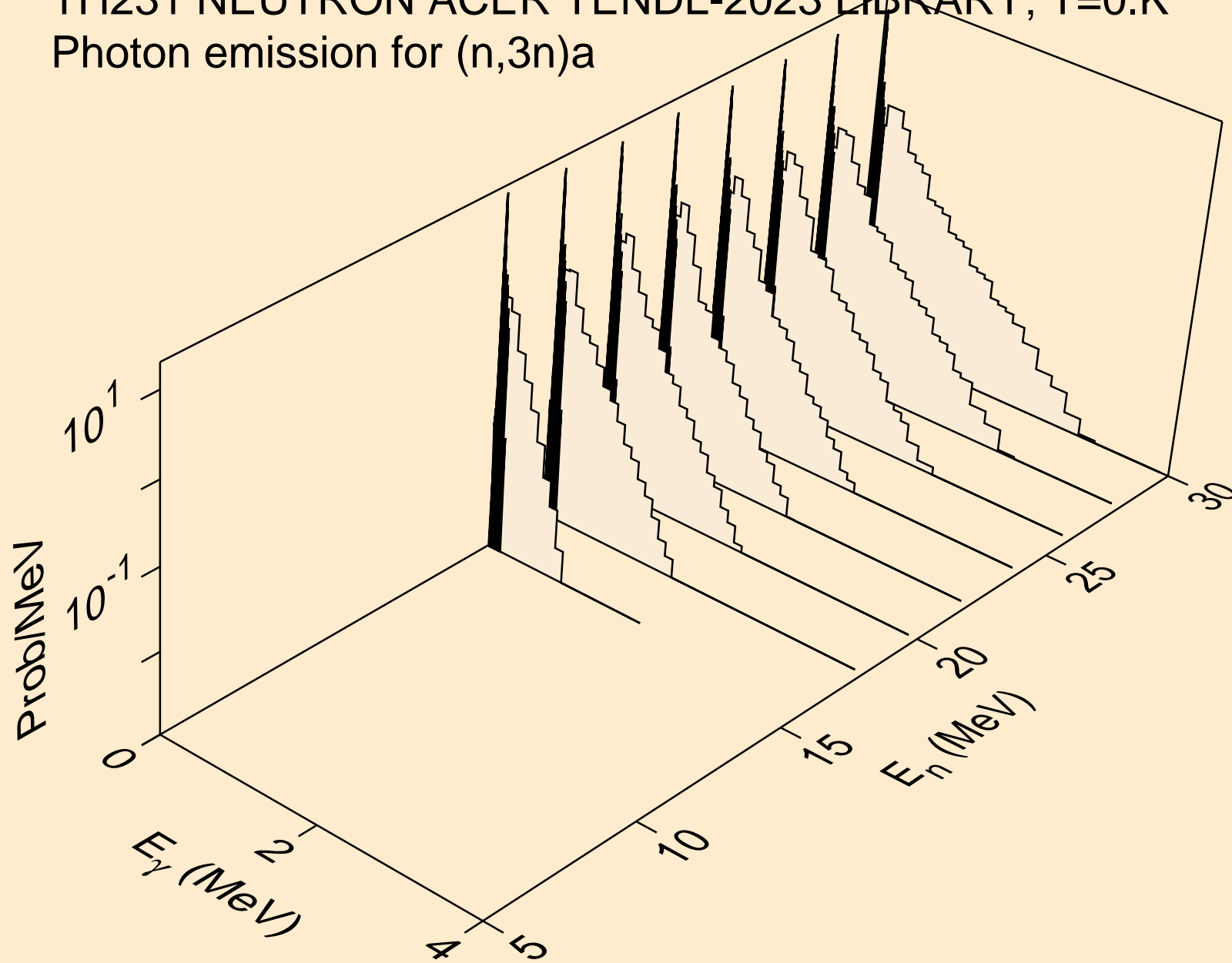
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)a



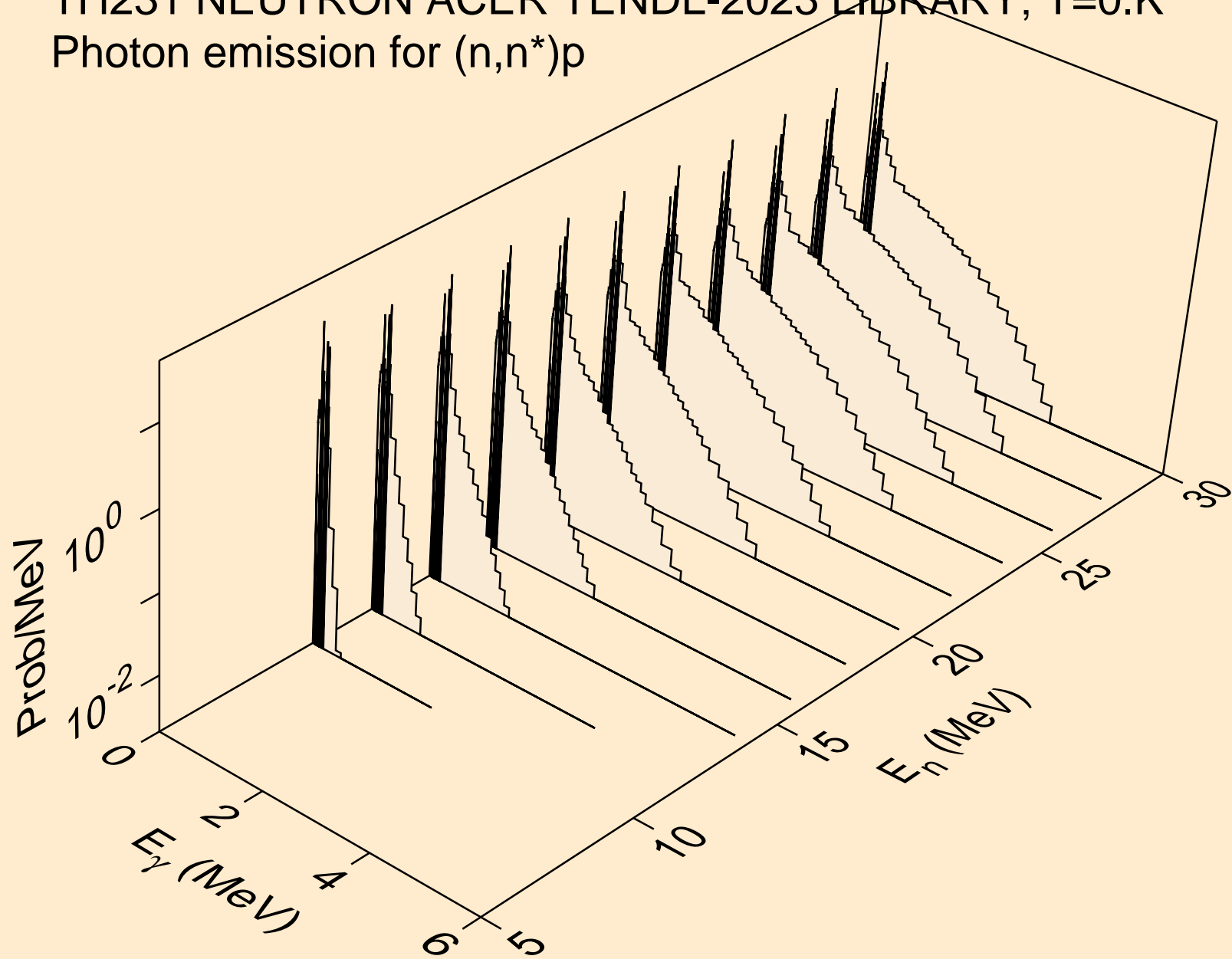
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)a



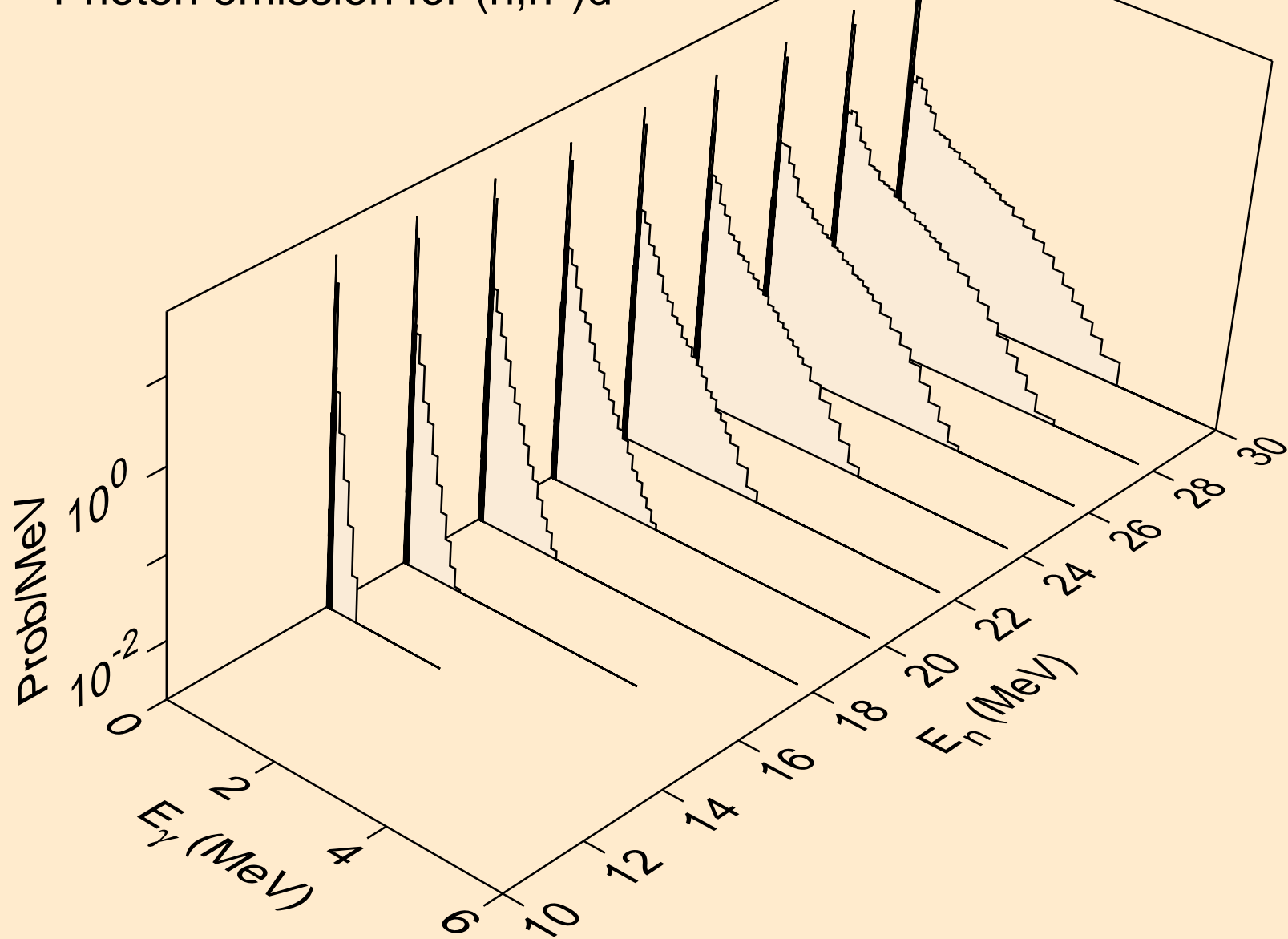
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)a



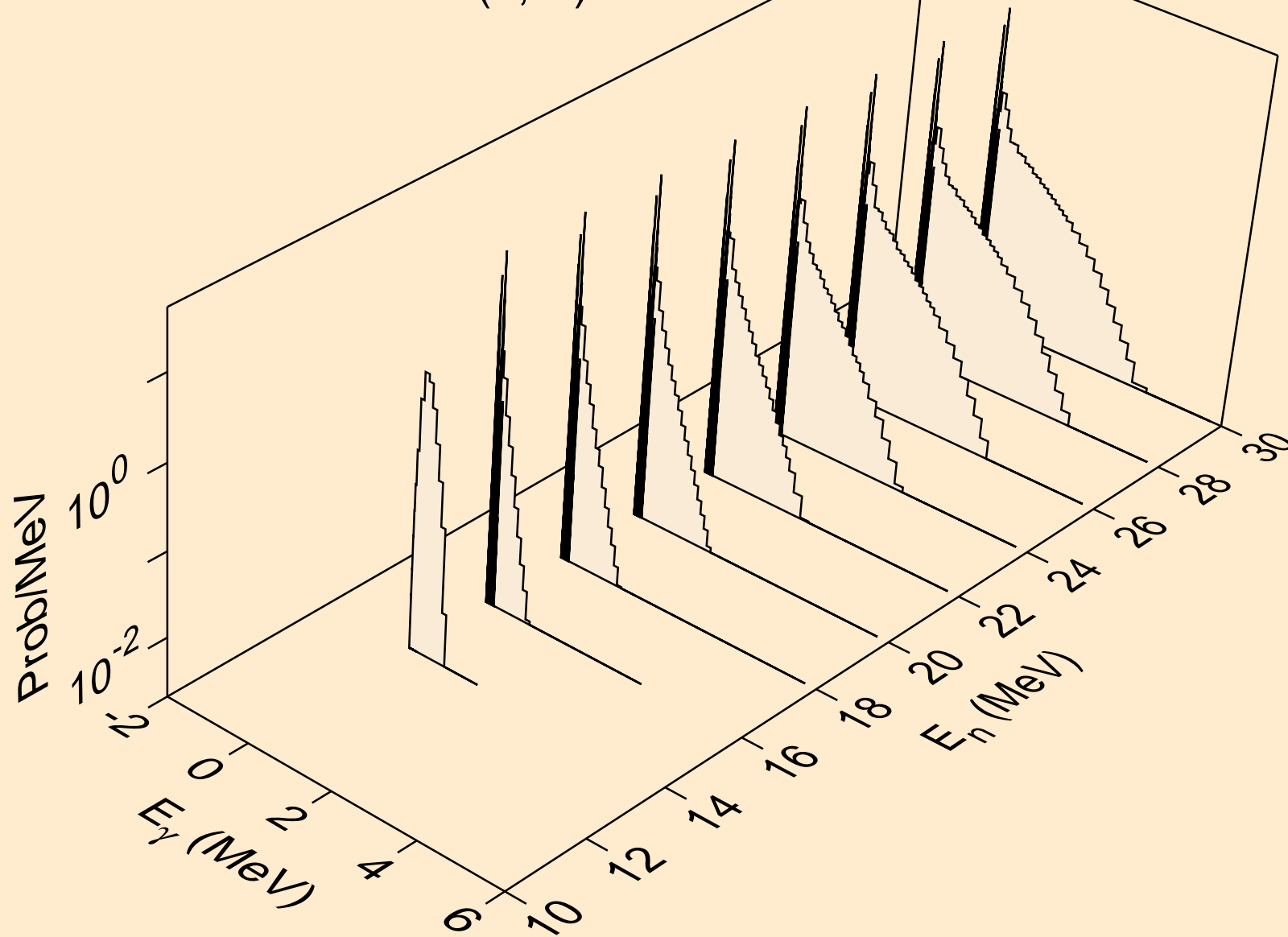
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)p



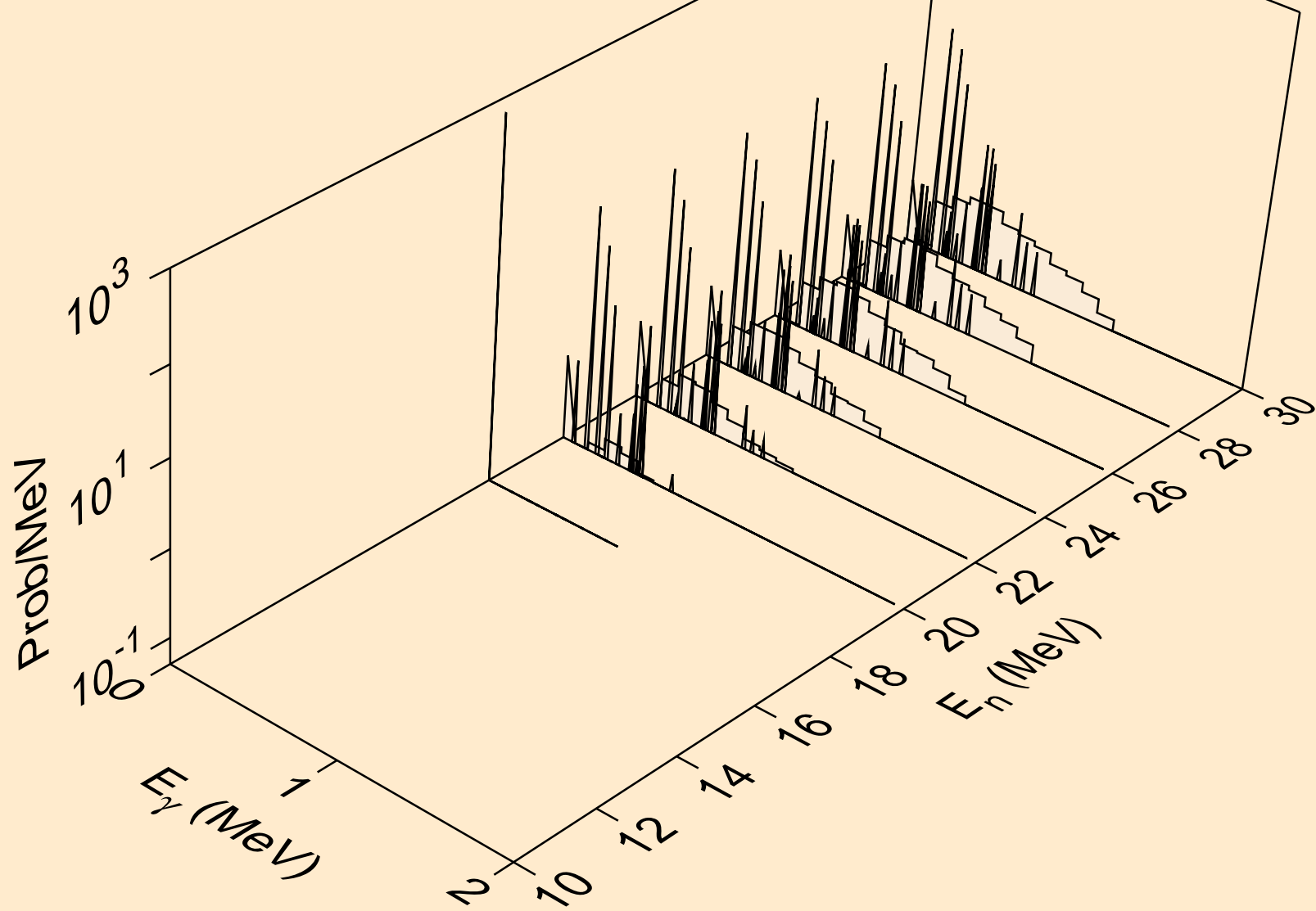
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)d



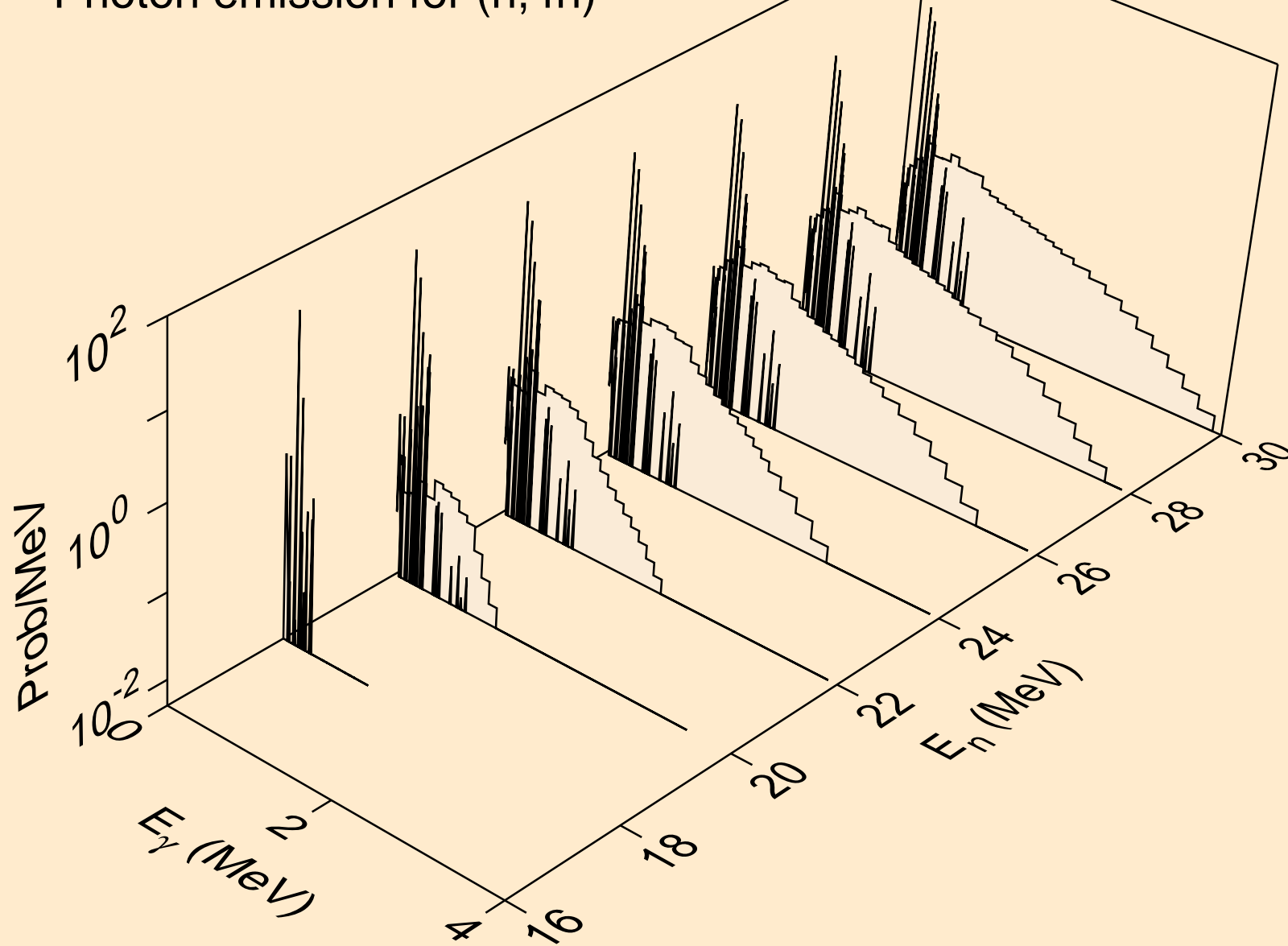
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)t



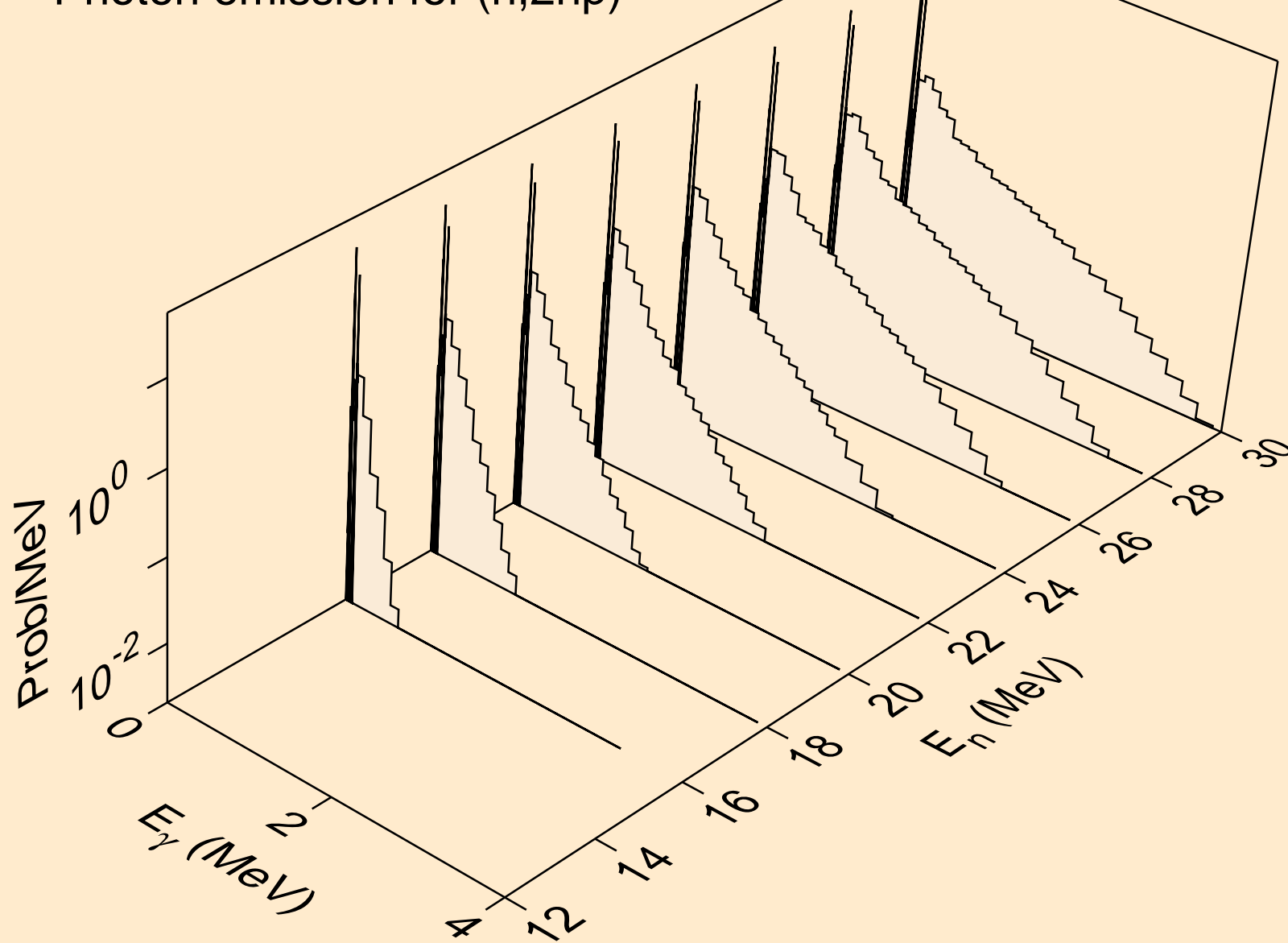
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)he3



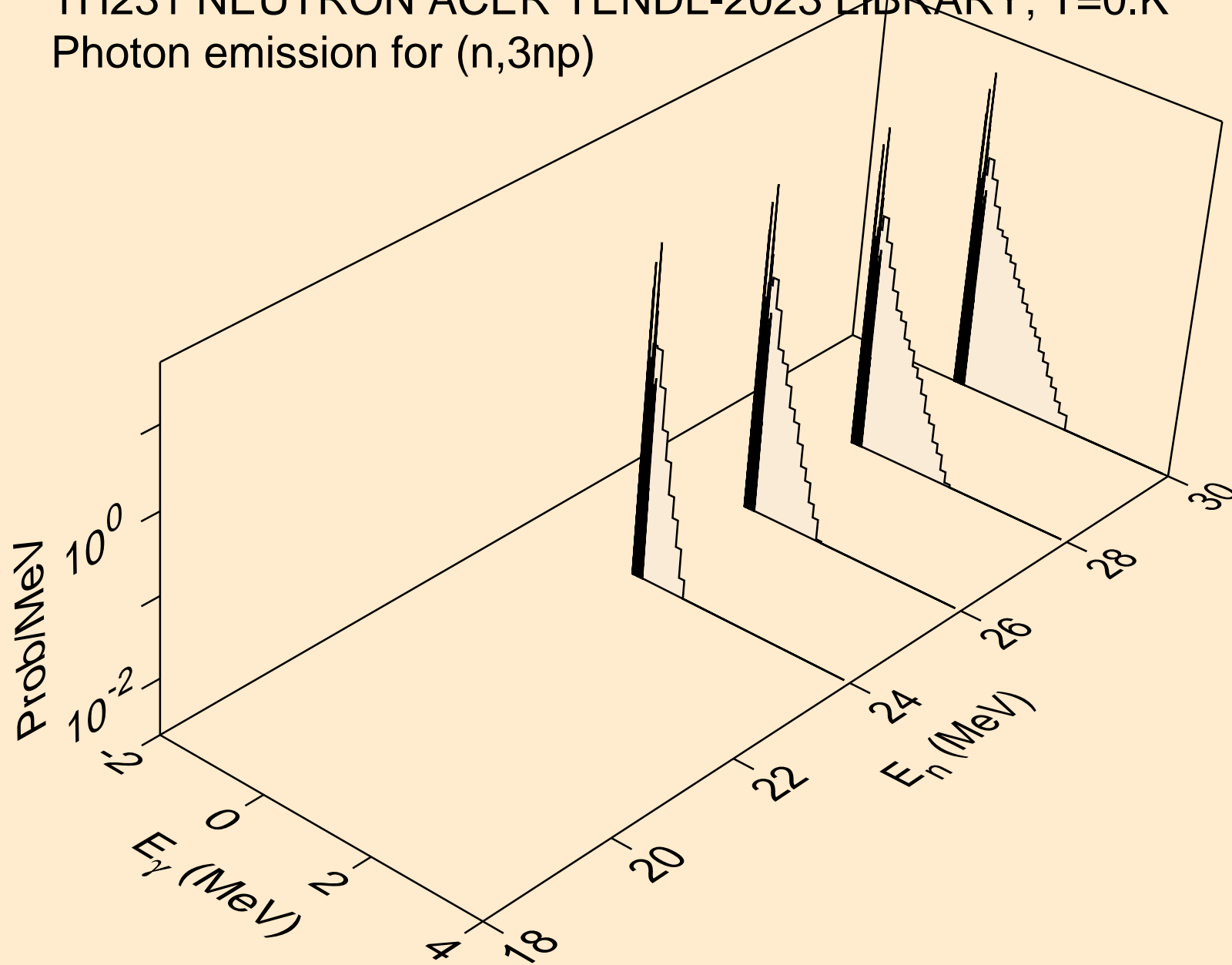
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,4n)



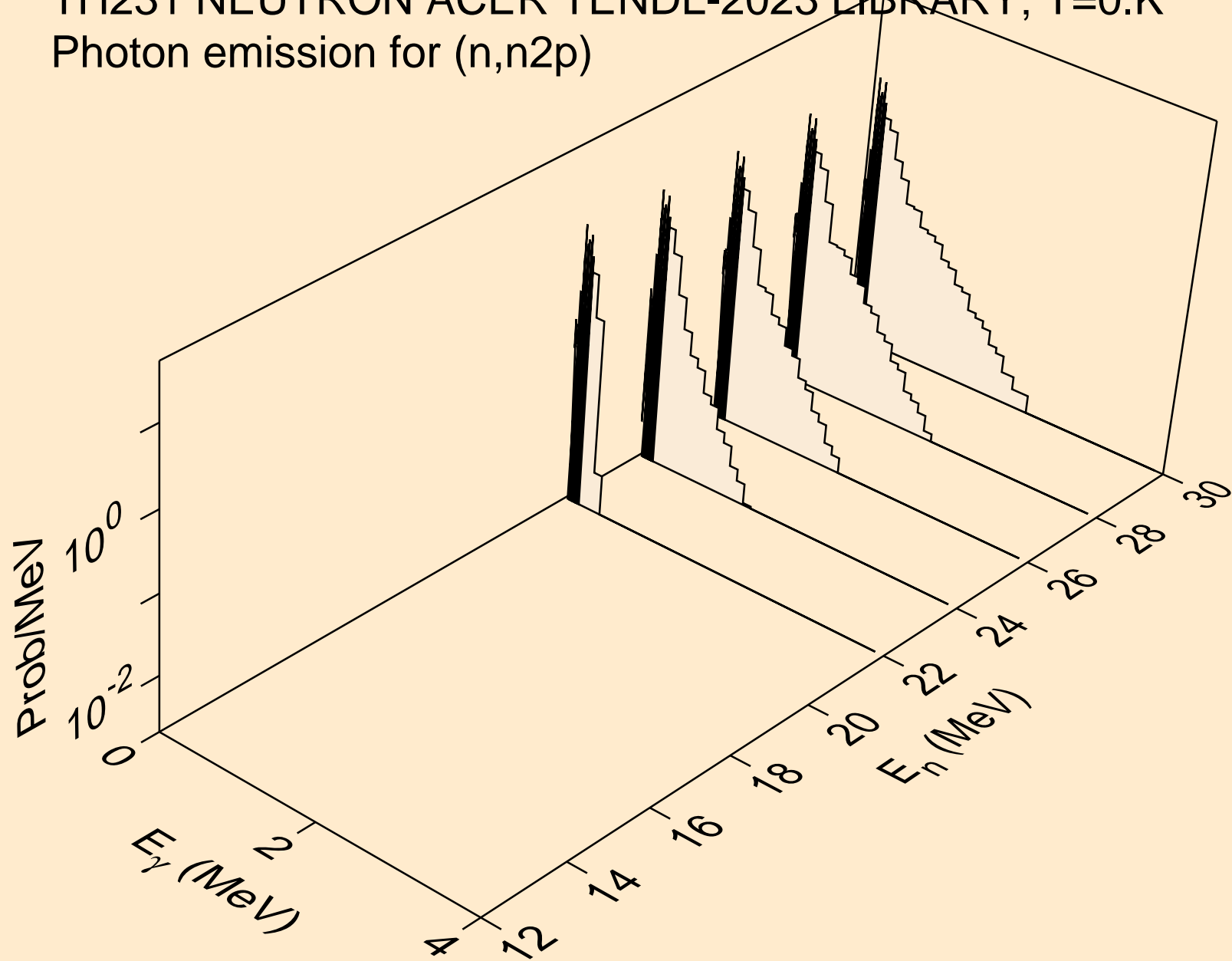
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2np)



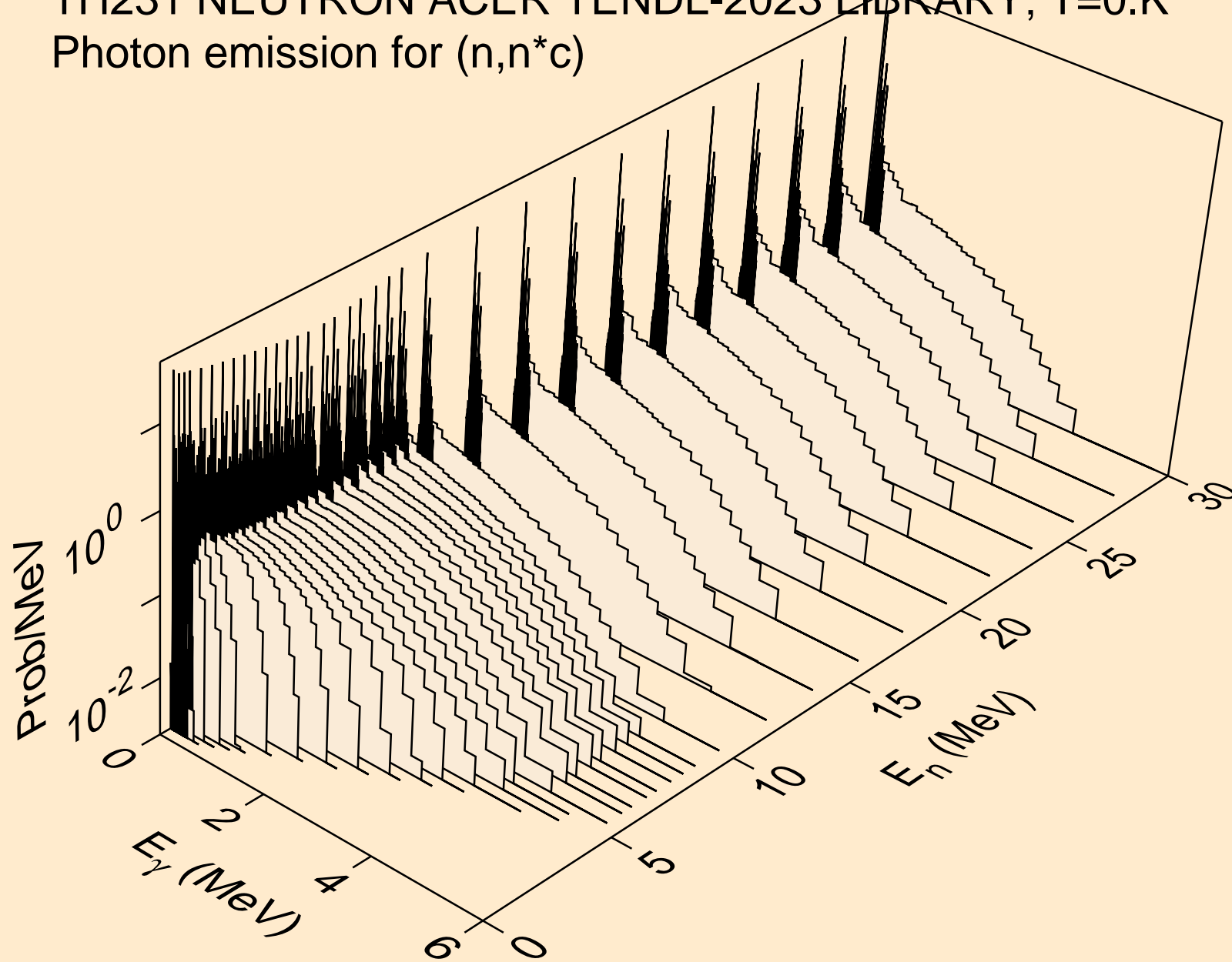
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3np)



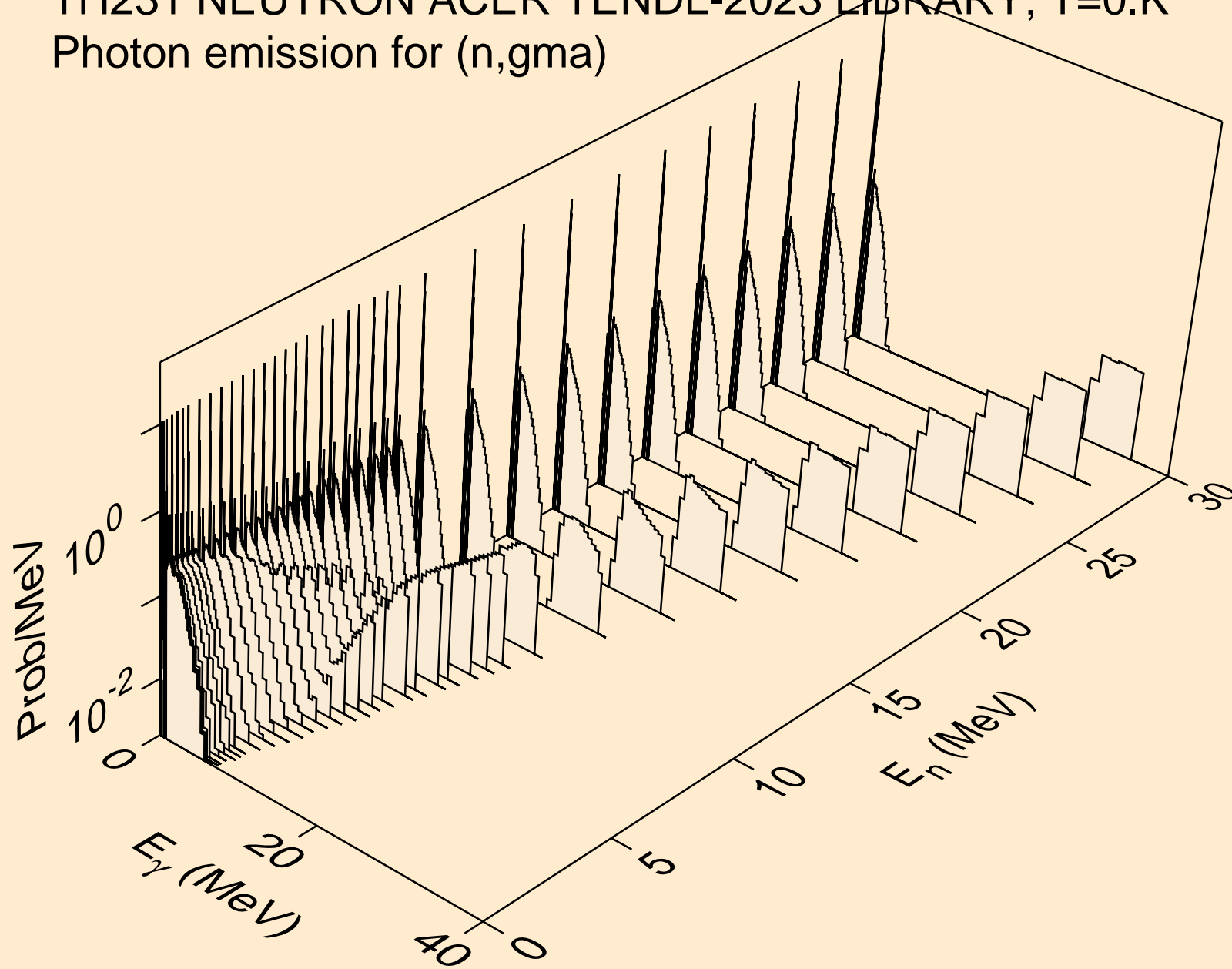
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n2p)



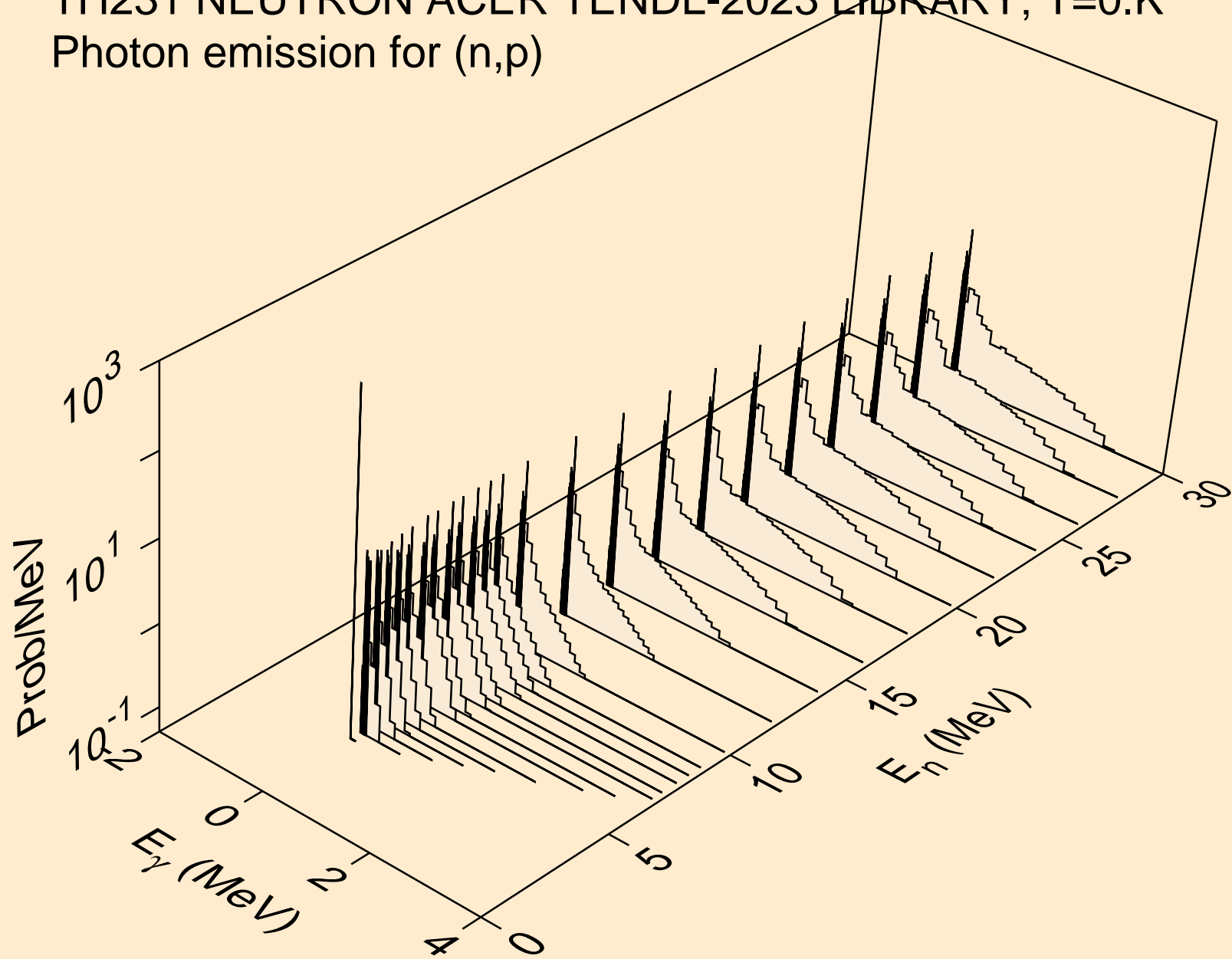
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*c)



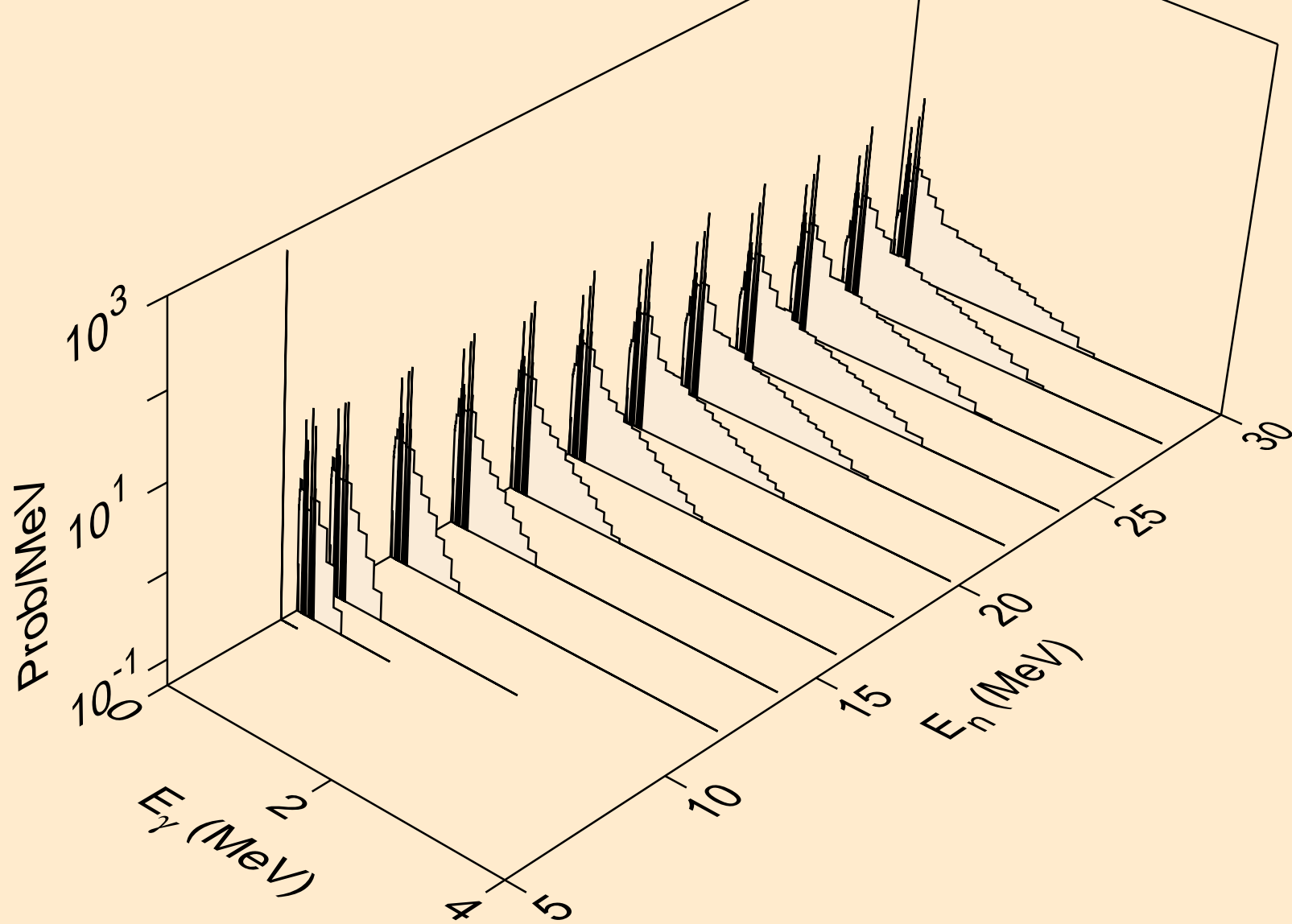
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,gma)



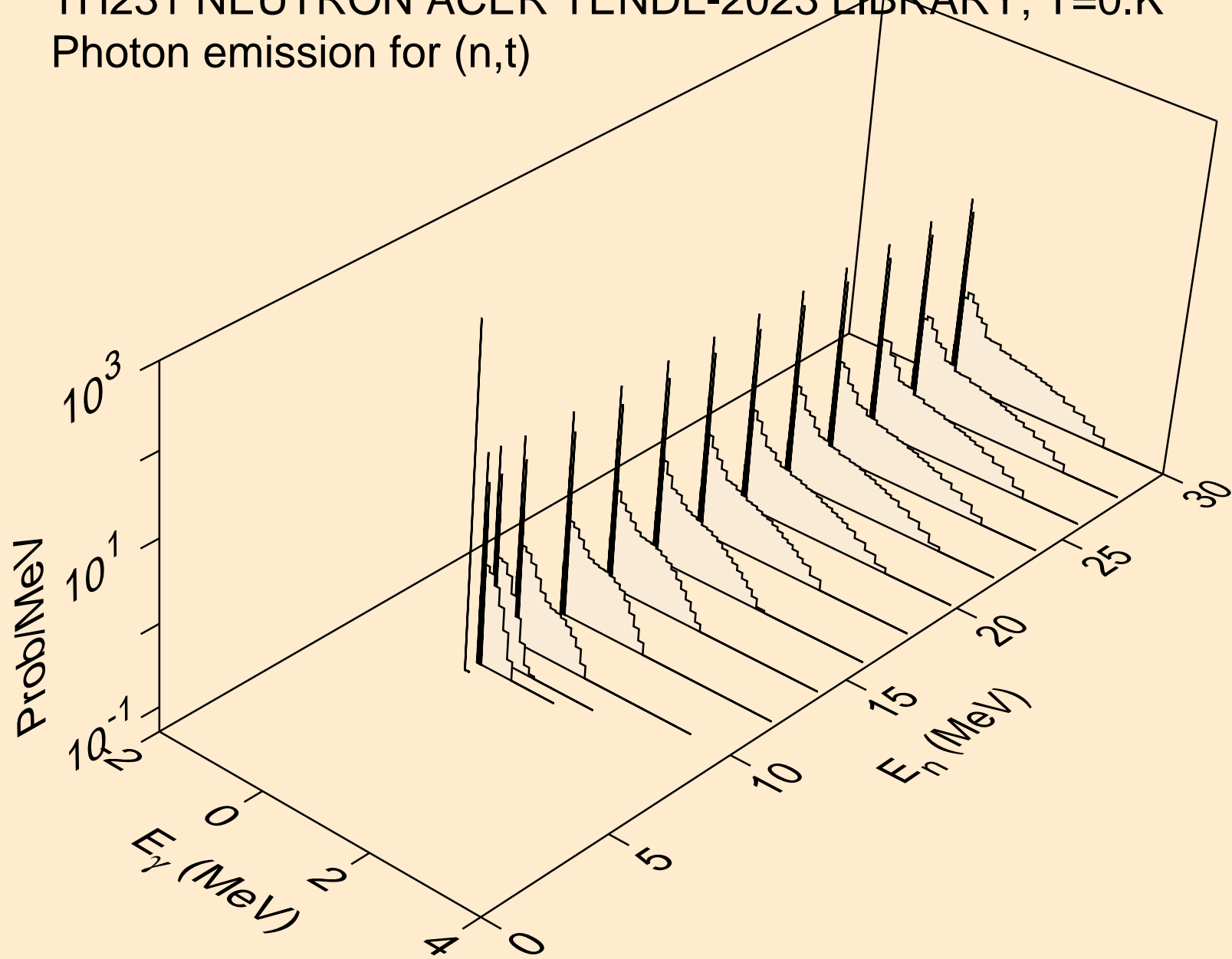
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,p)



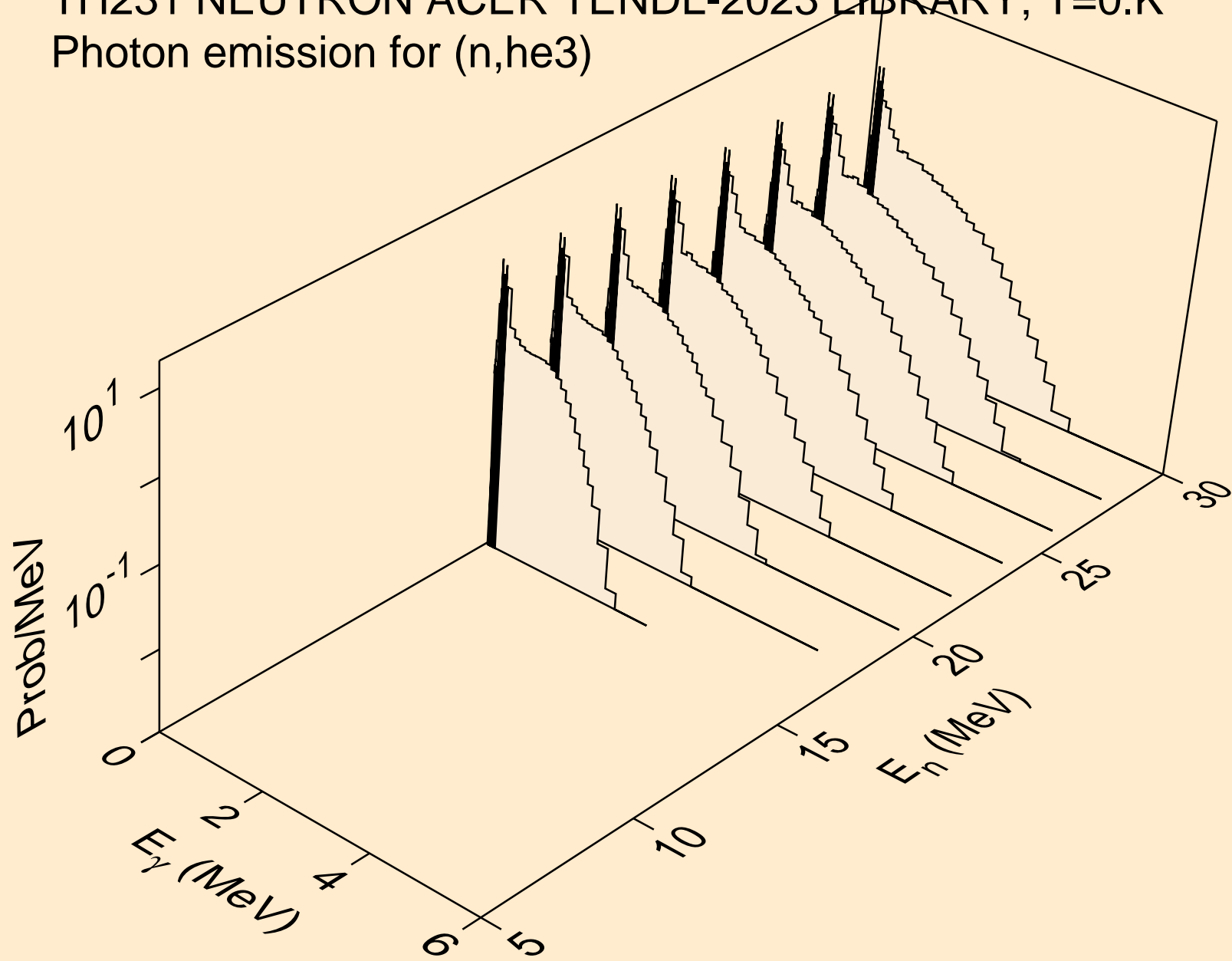
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,d)



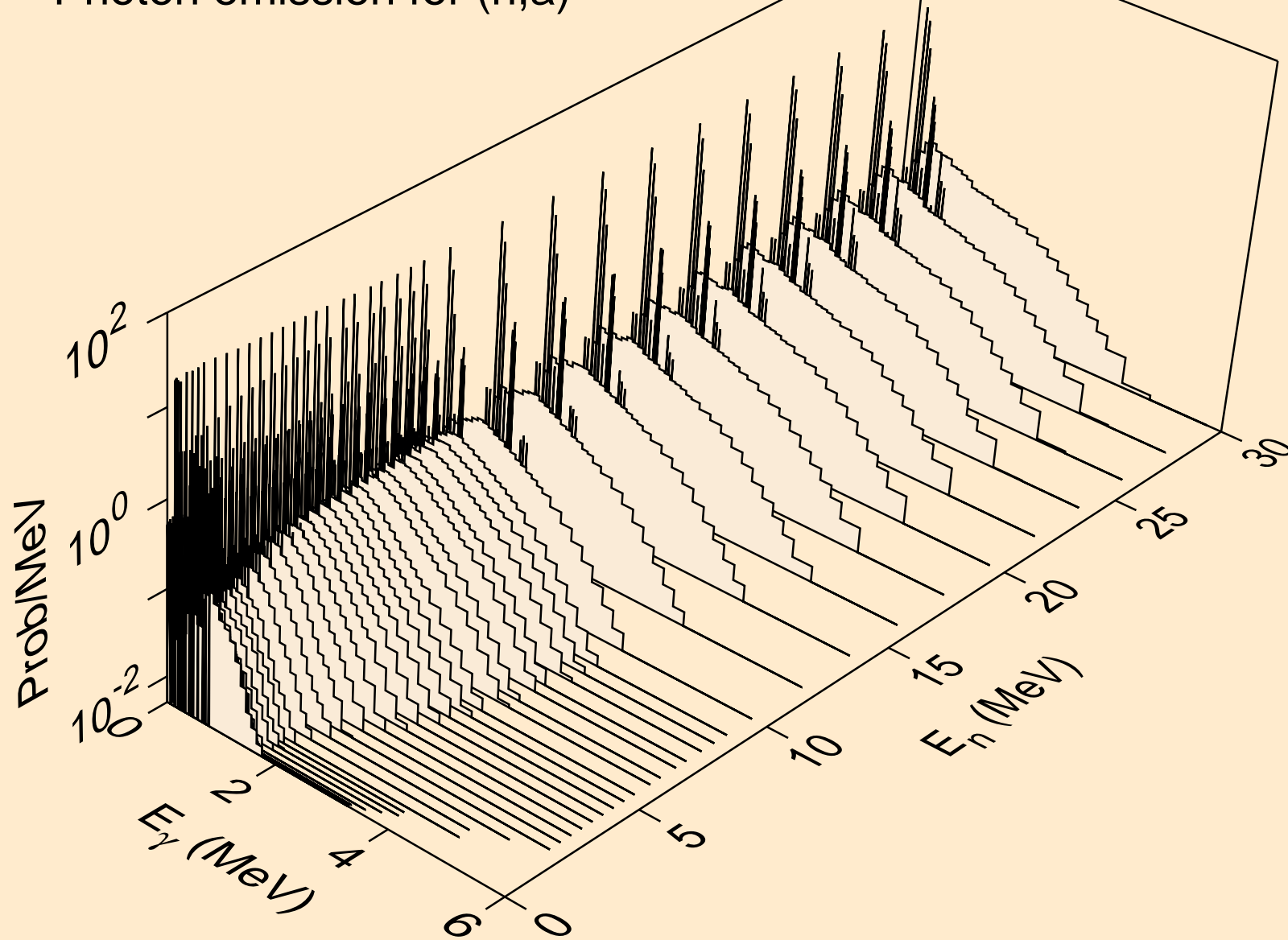
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,t)



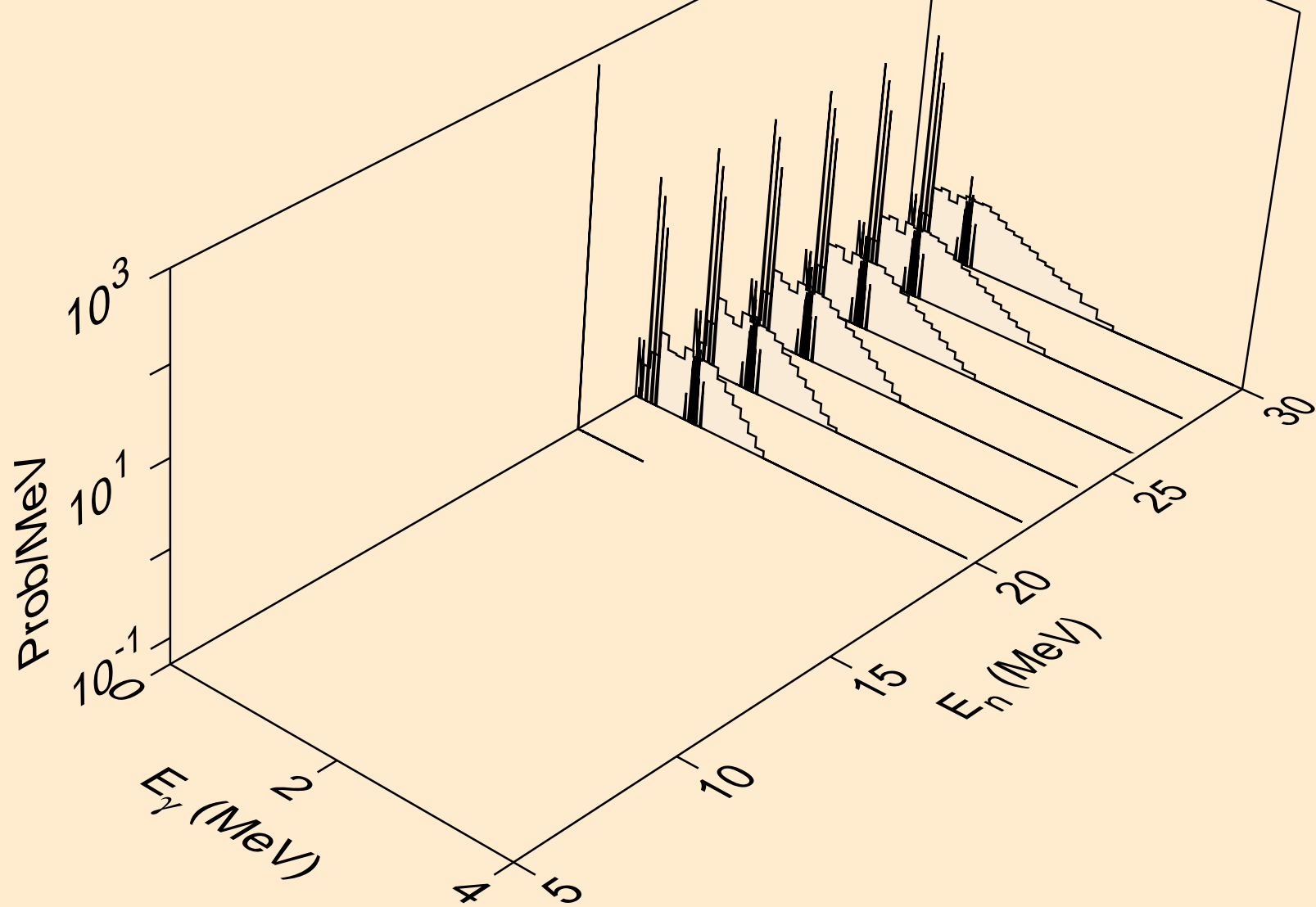
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,he3)



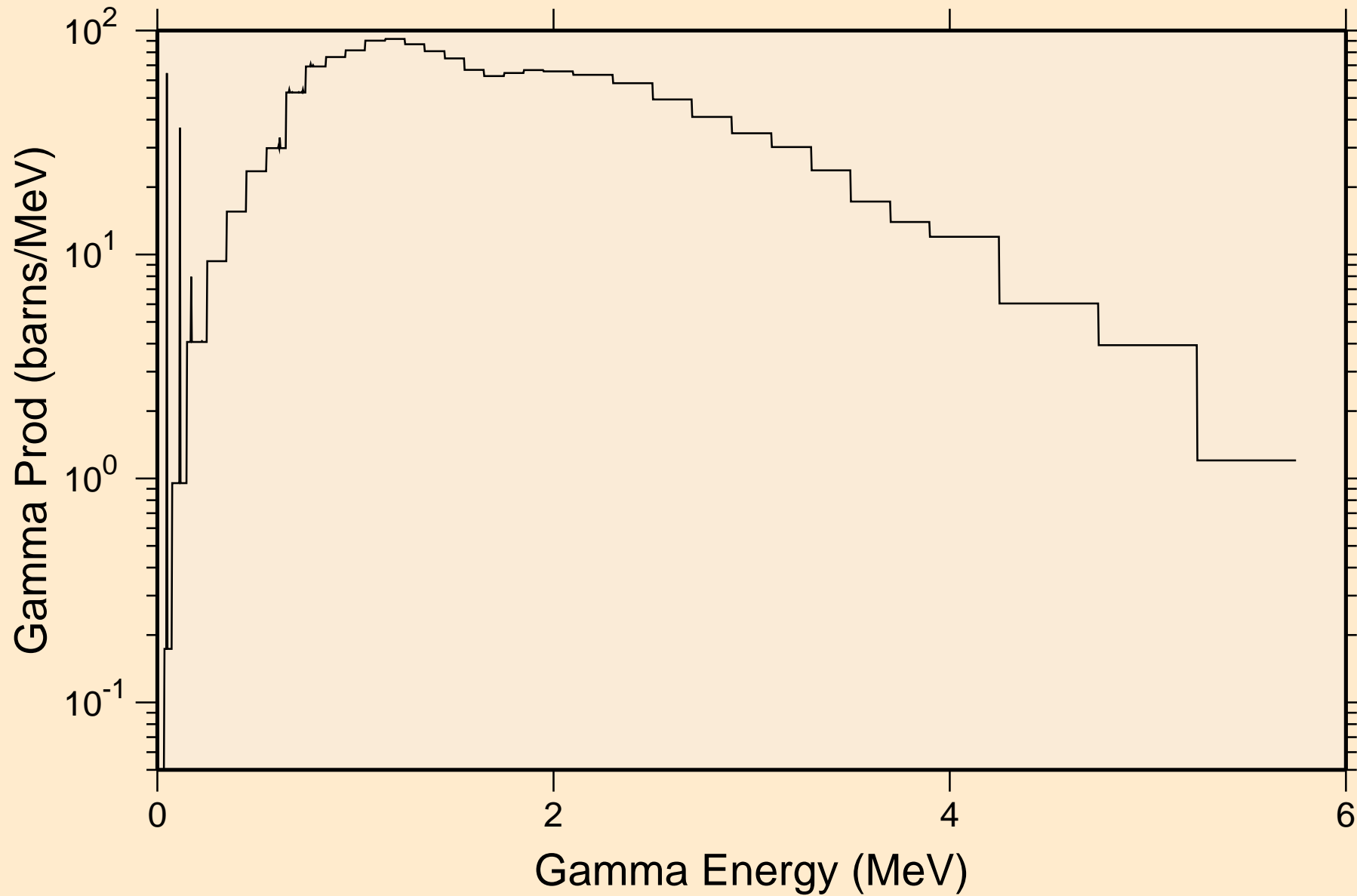
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,a)



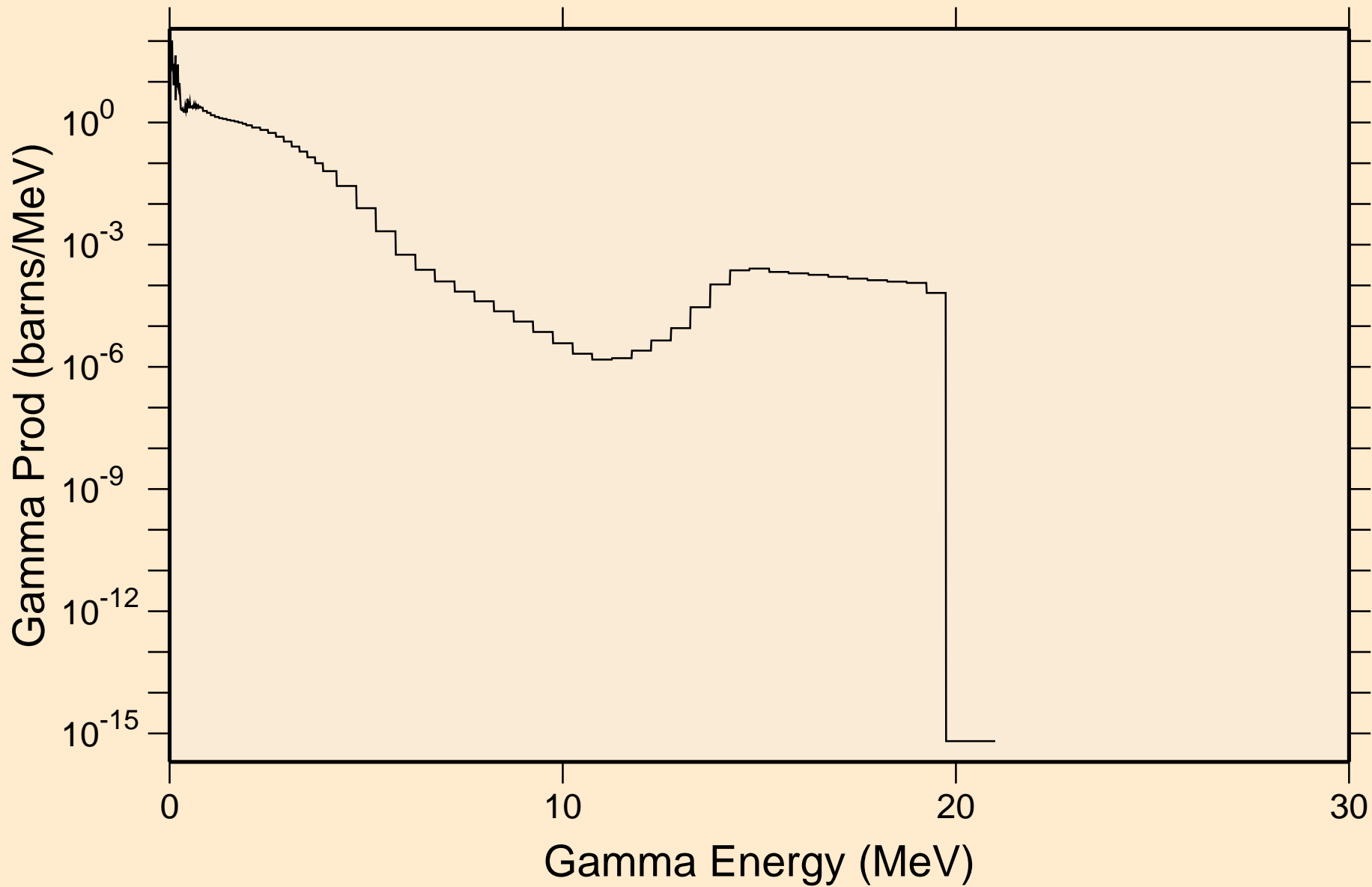
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2p)



TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
thermal capture photon spectrum

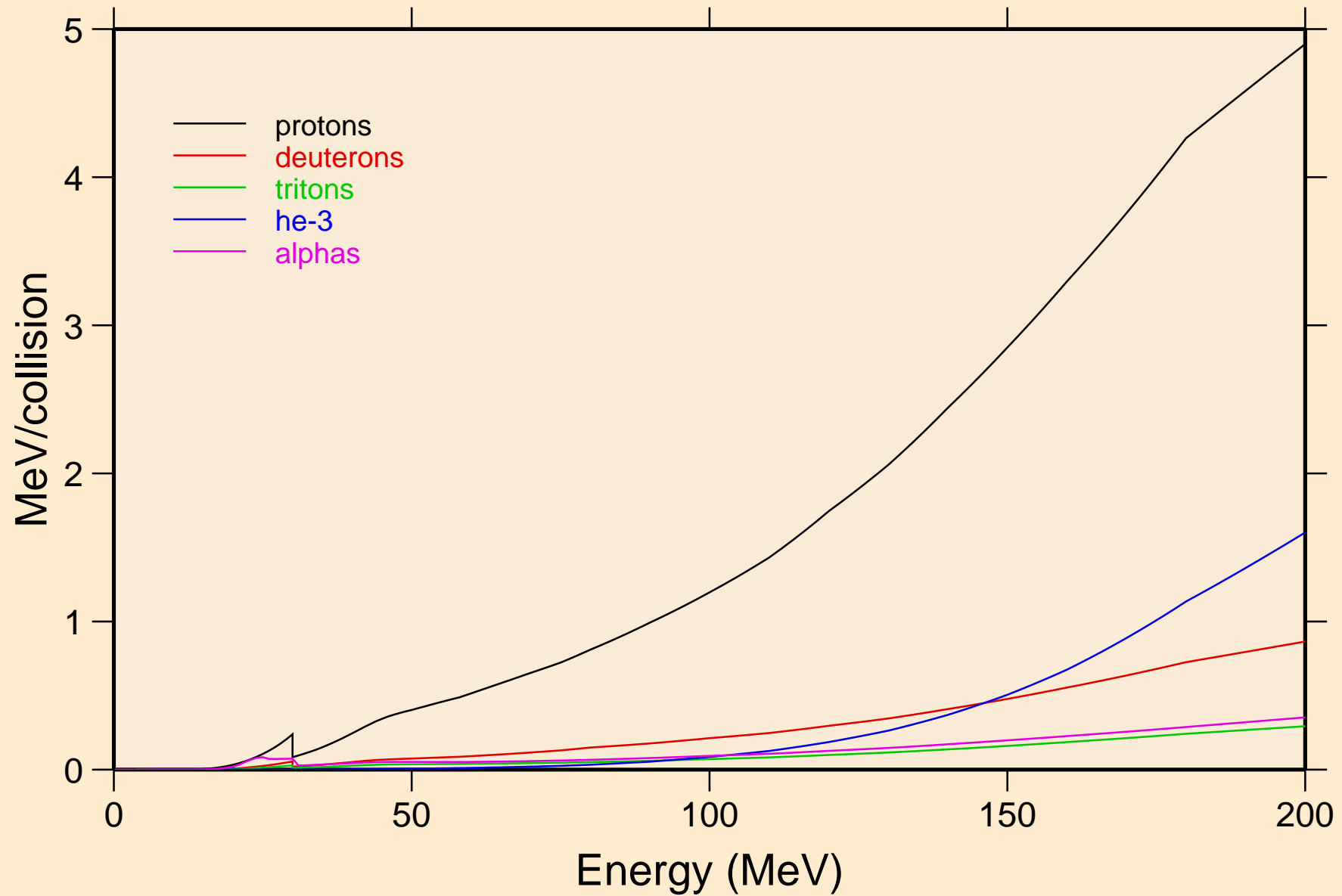


TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
14 MeV photon spectrum

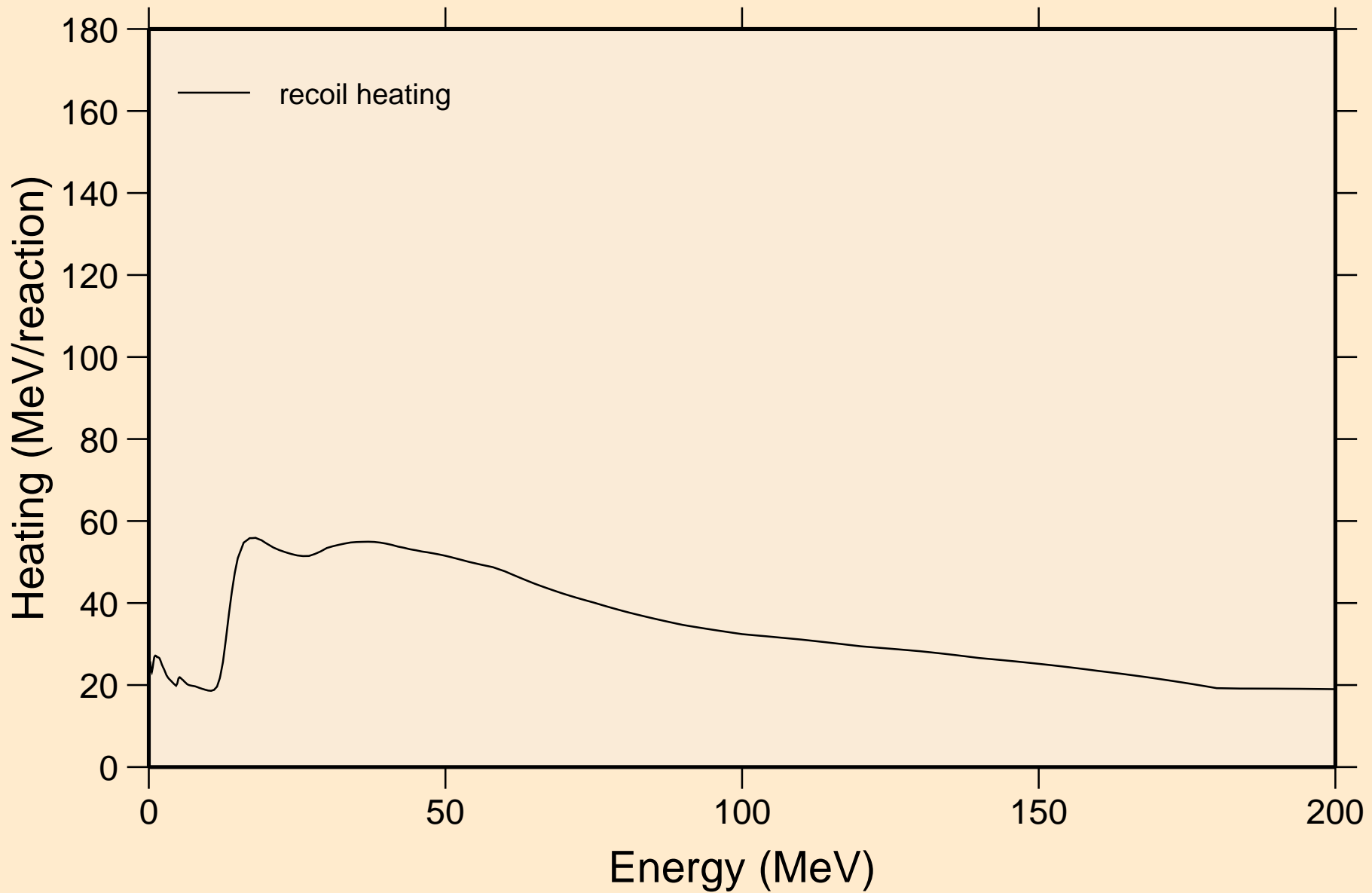


TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Particle heating contributions

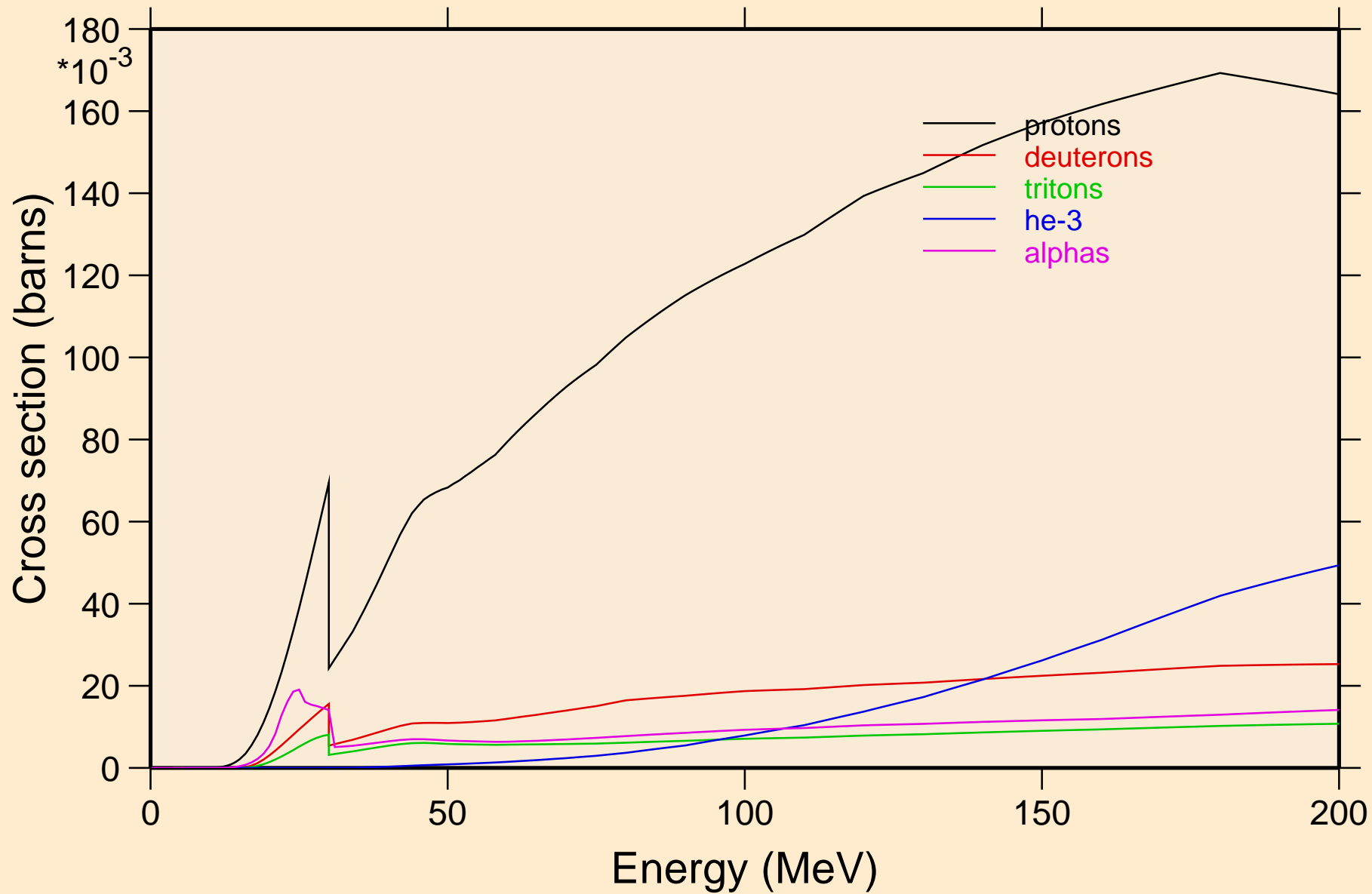


TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Recoil Heating

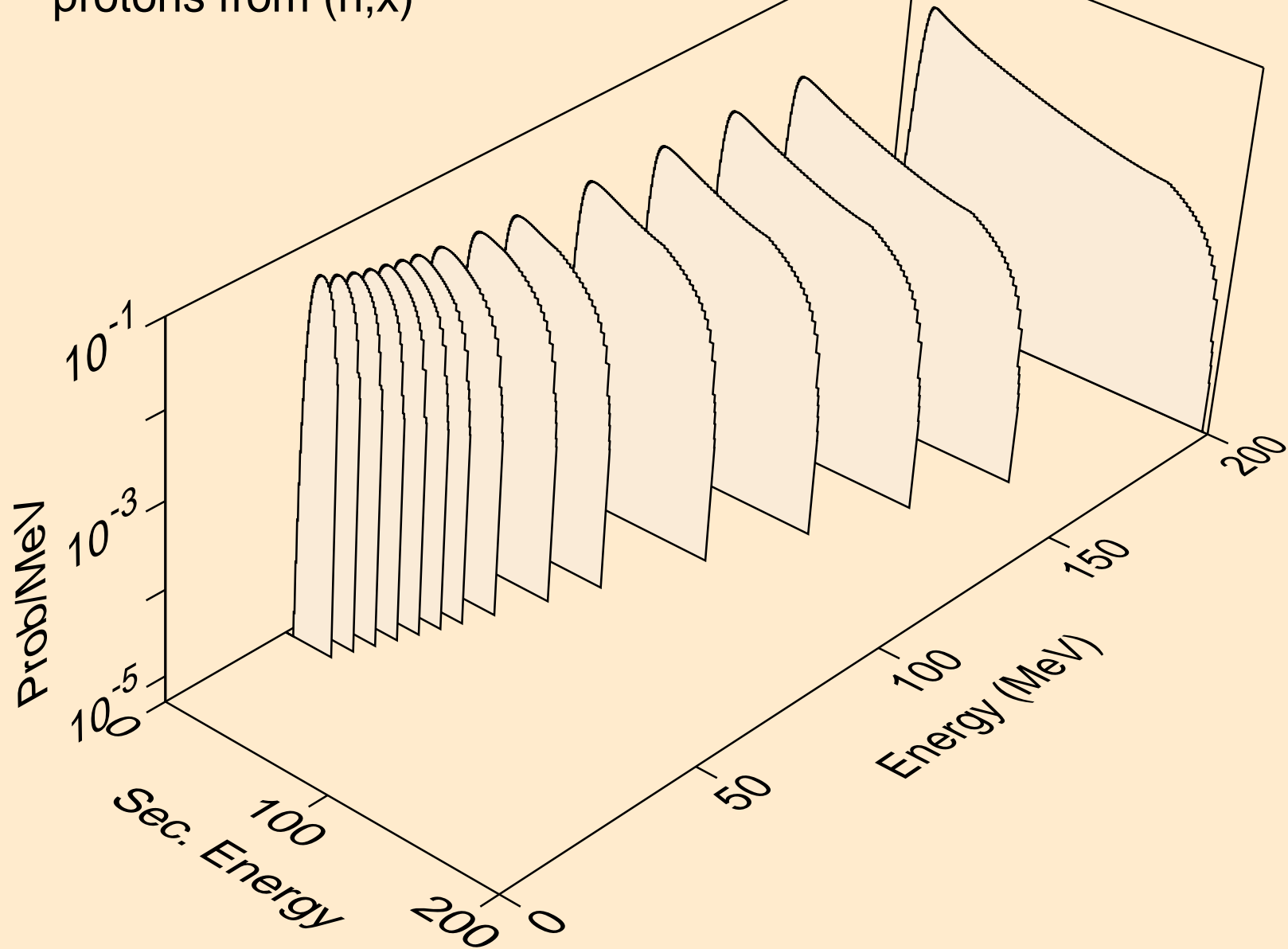


TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

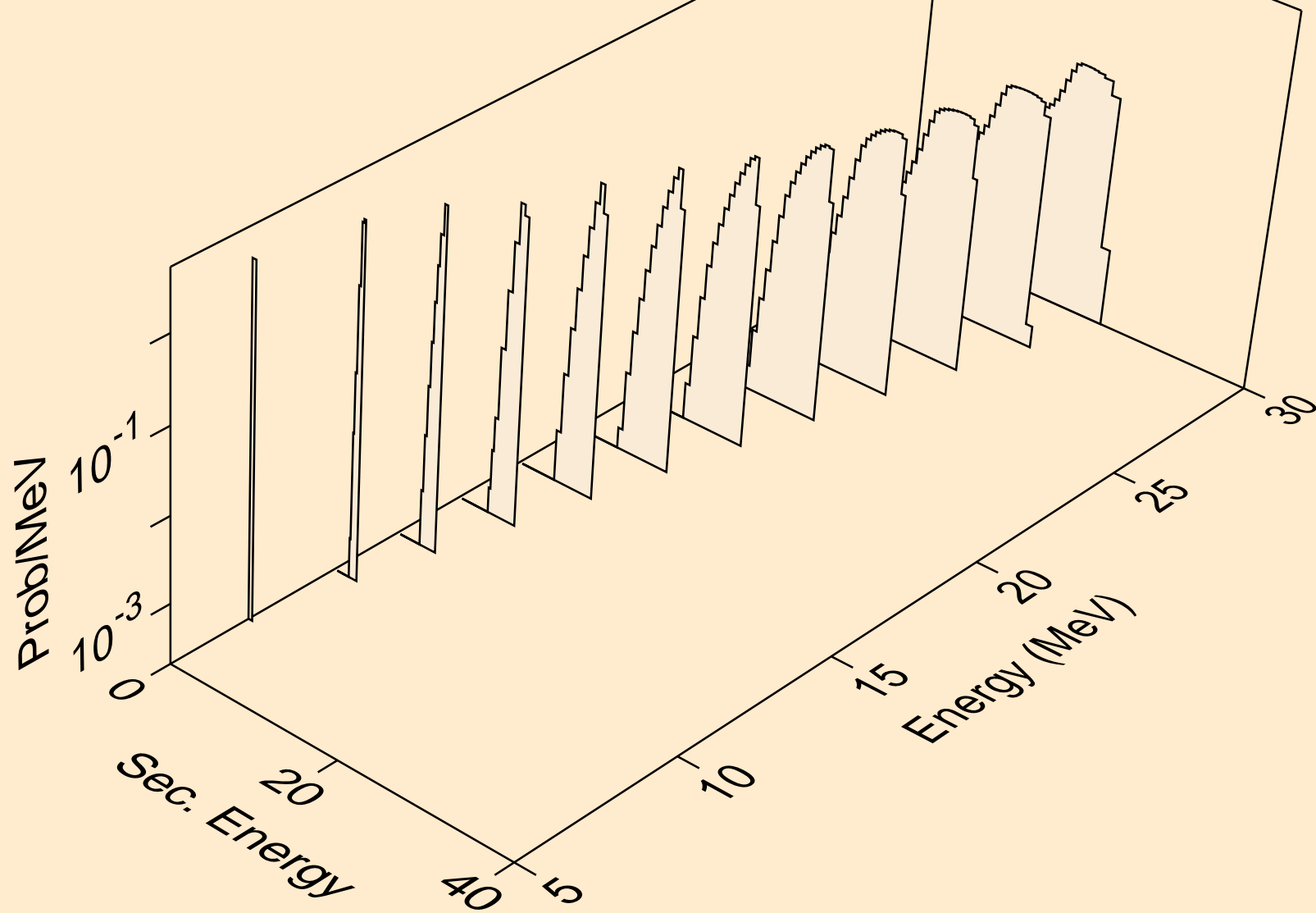
Particle production cross sections



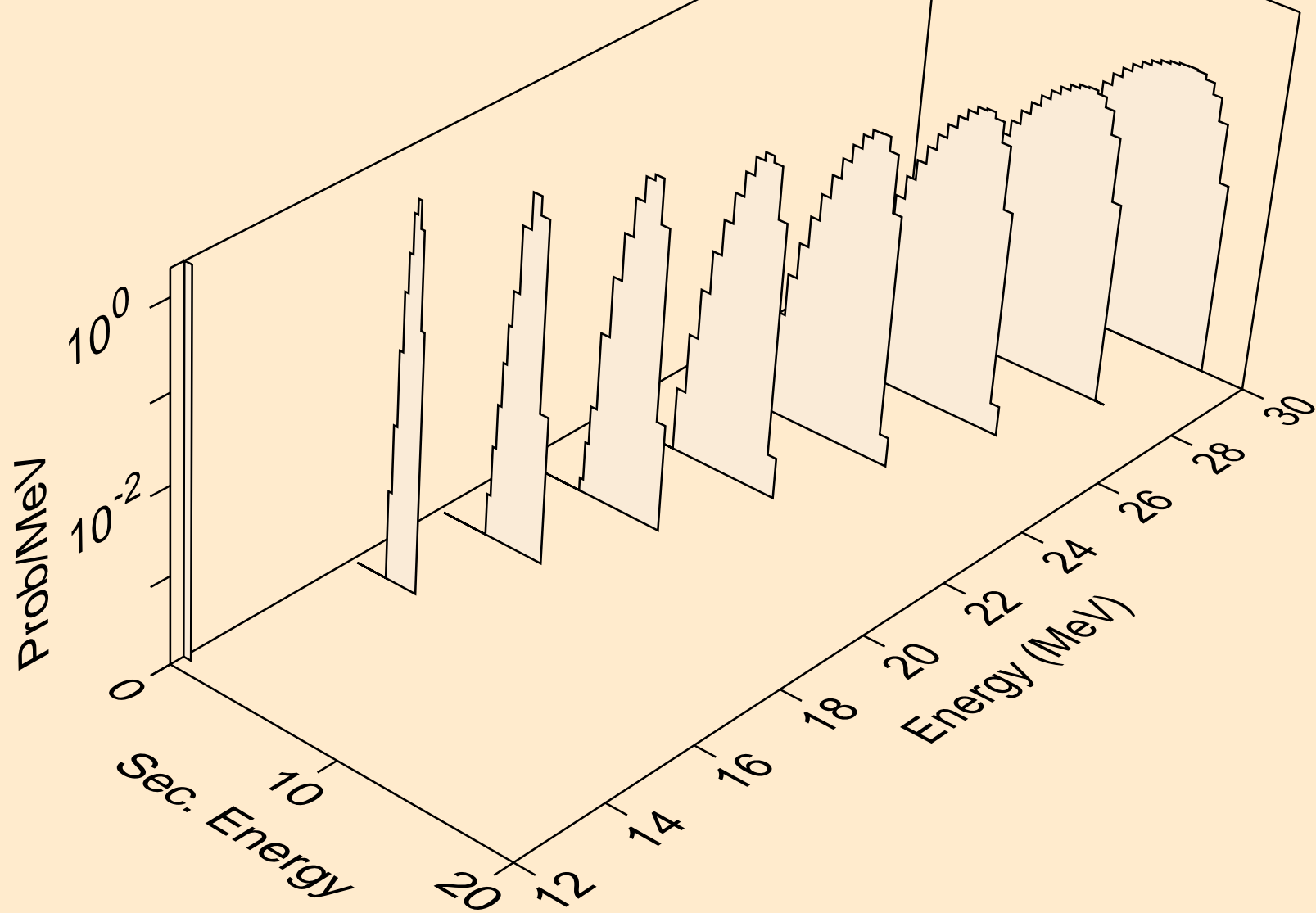
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,x)



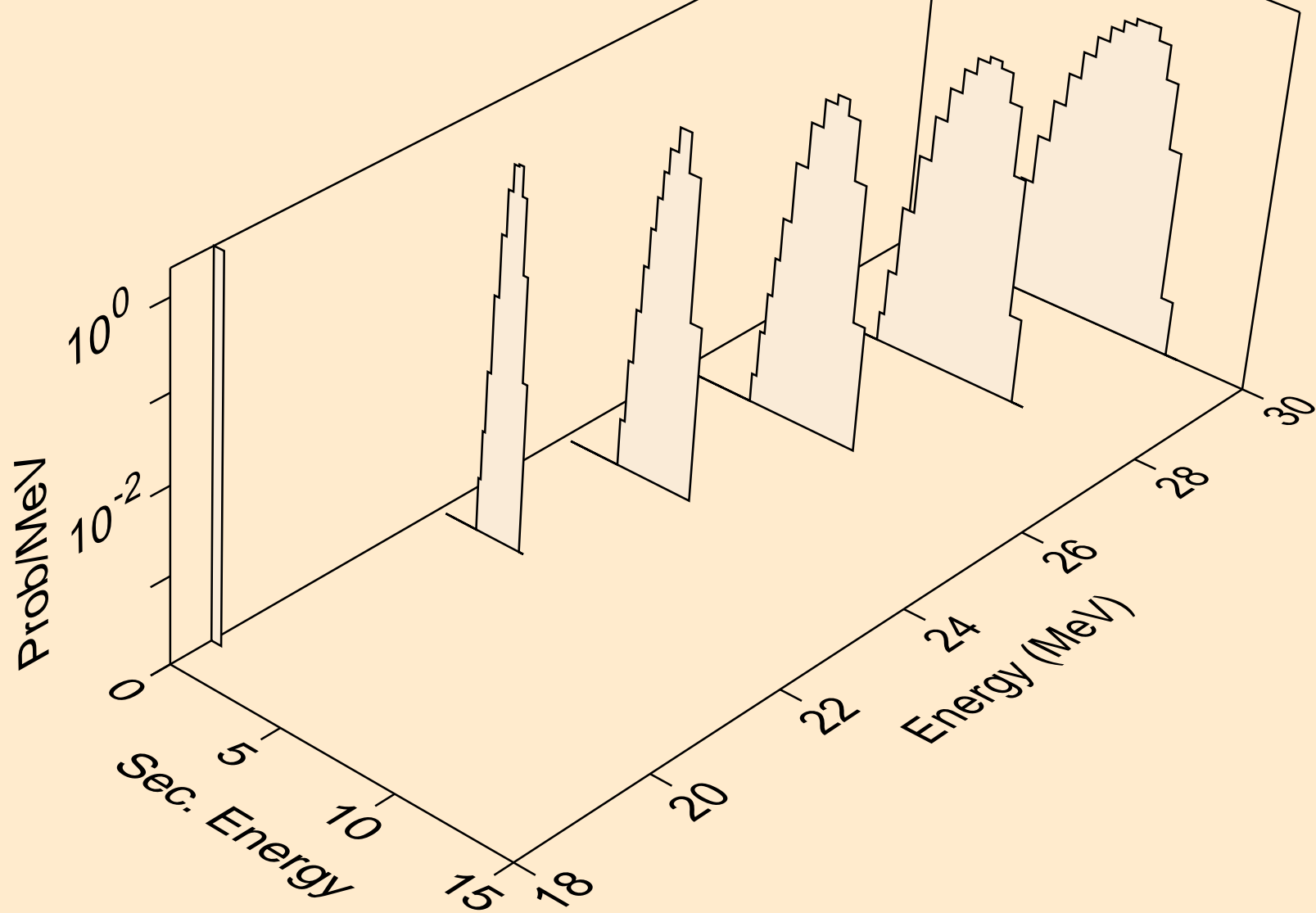
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,n*)p



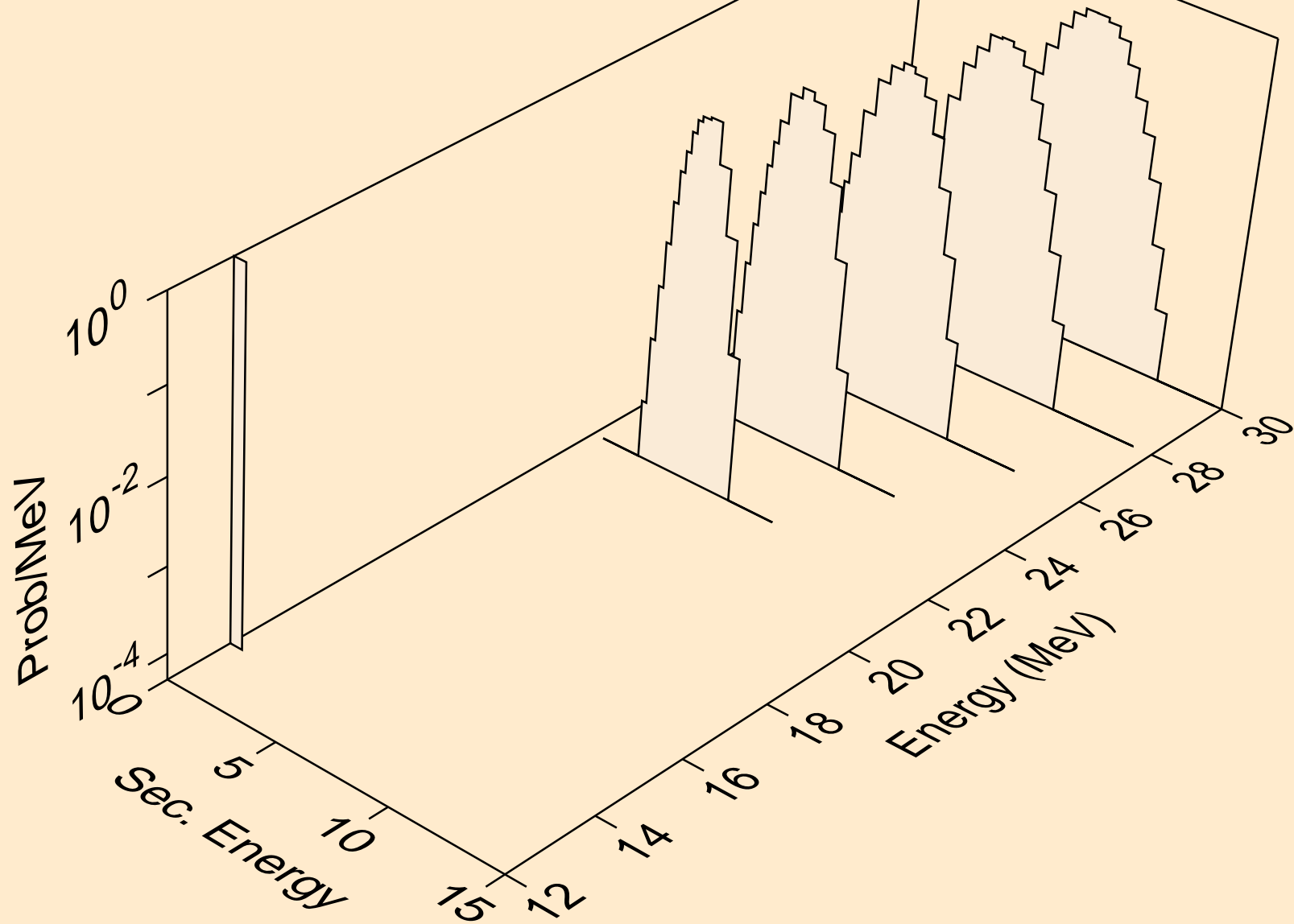
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,2np)



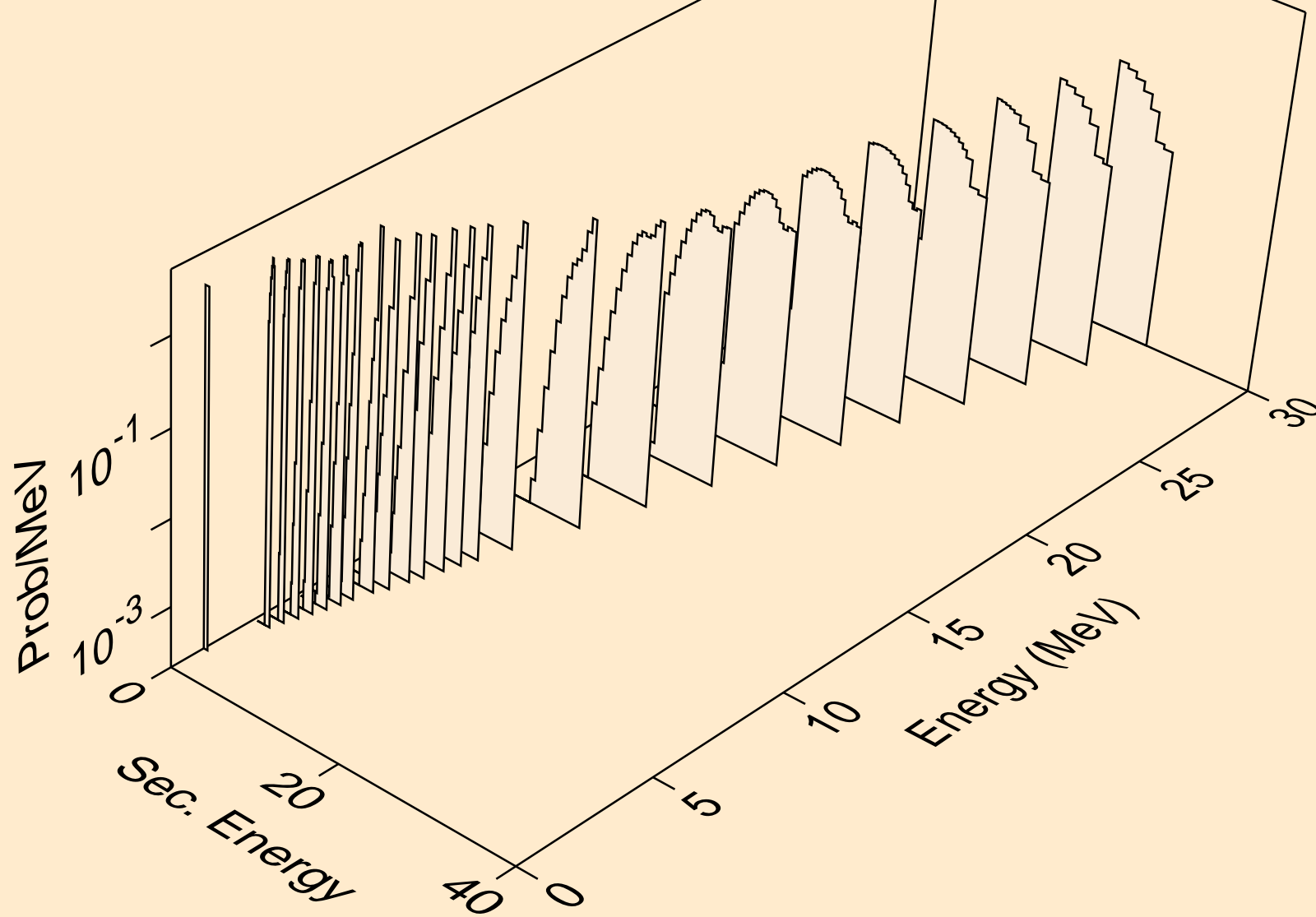
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,3np)



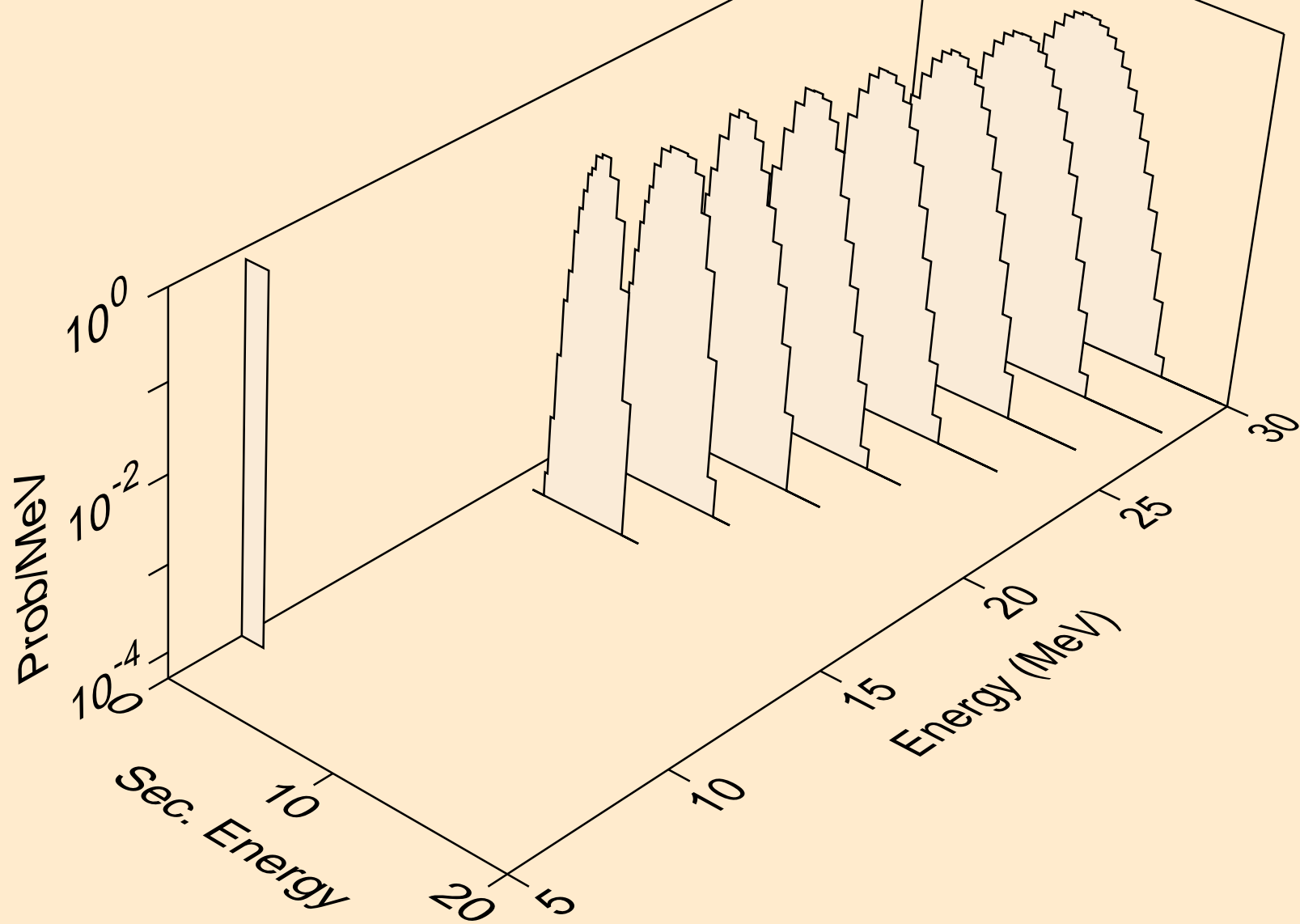
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protons from (n,n2p)



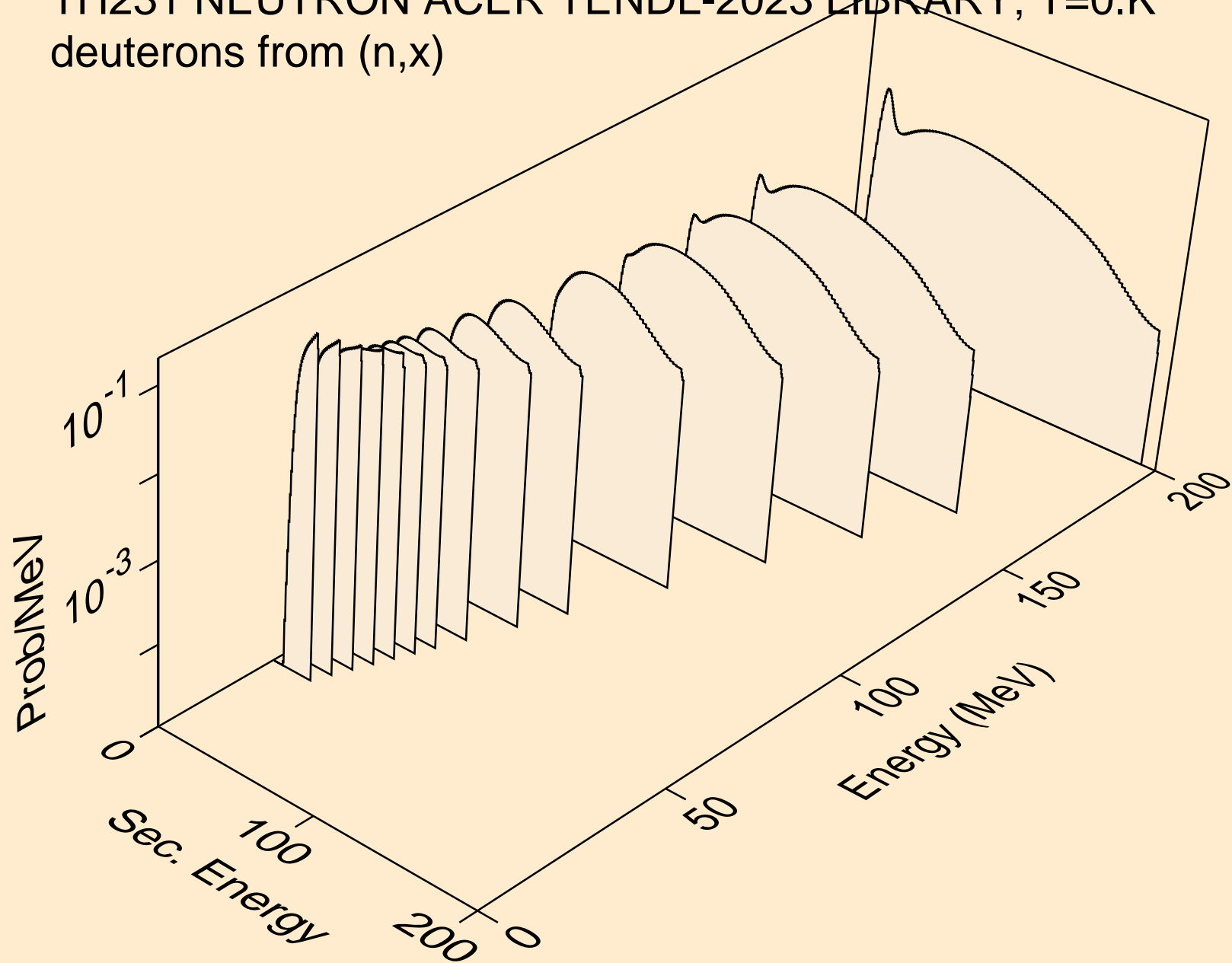
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,p)



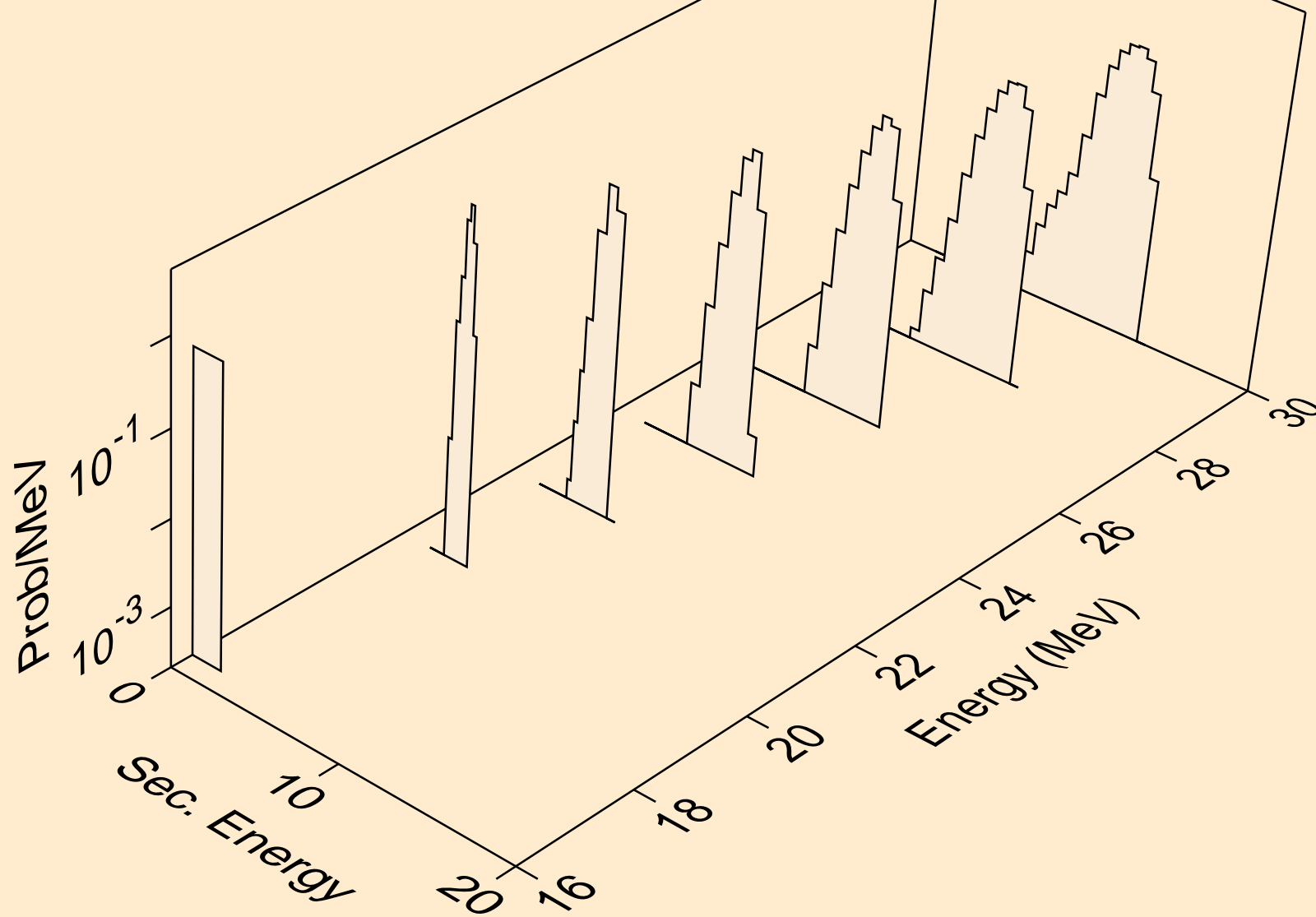
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,2p)



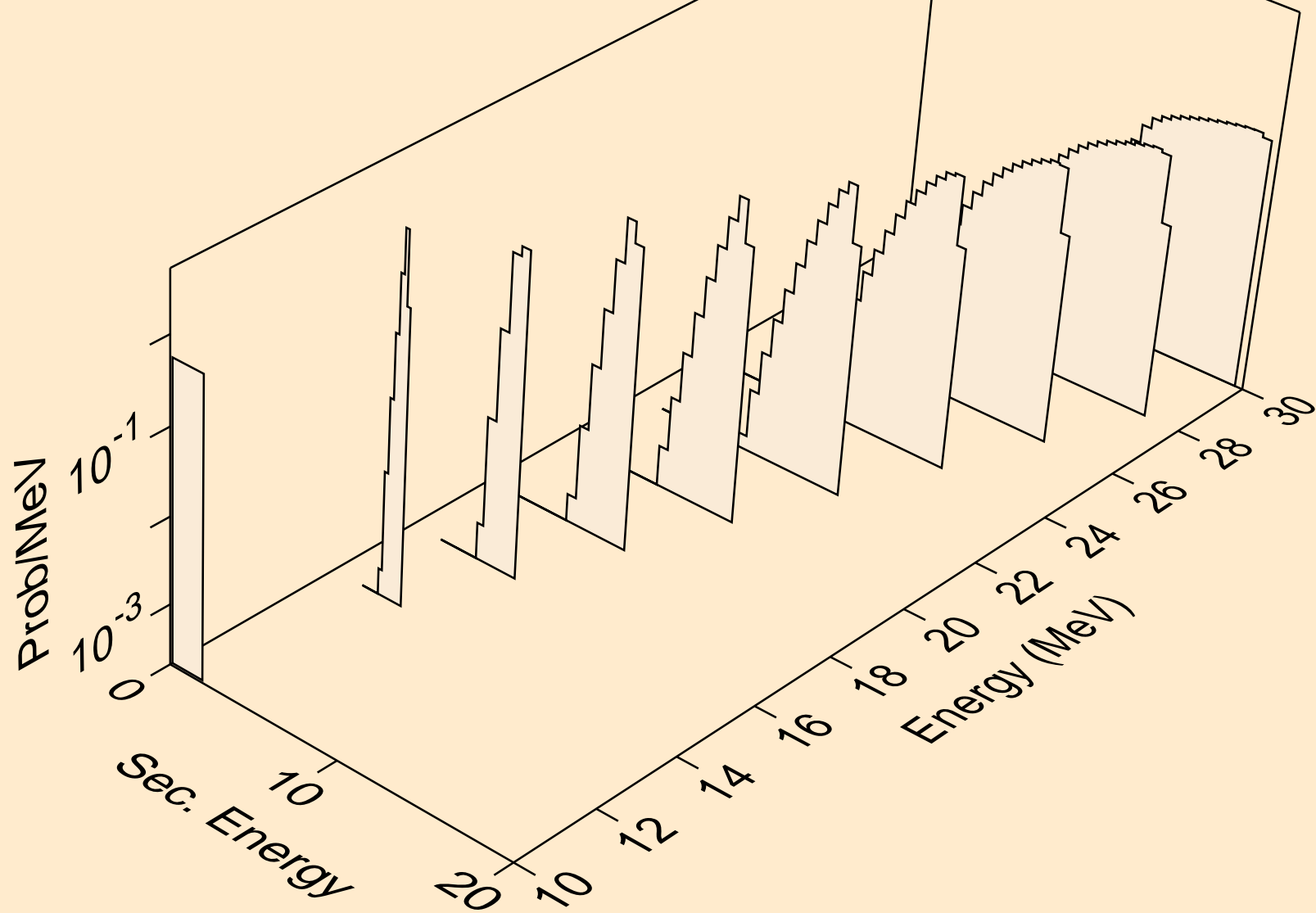
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,x)



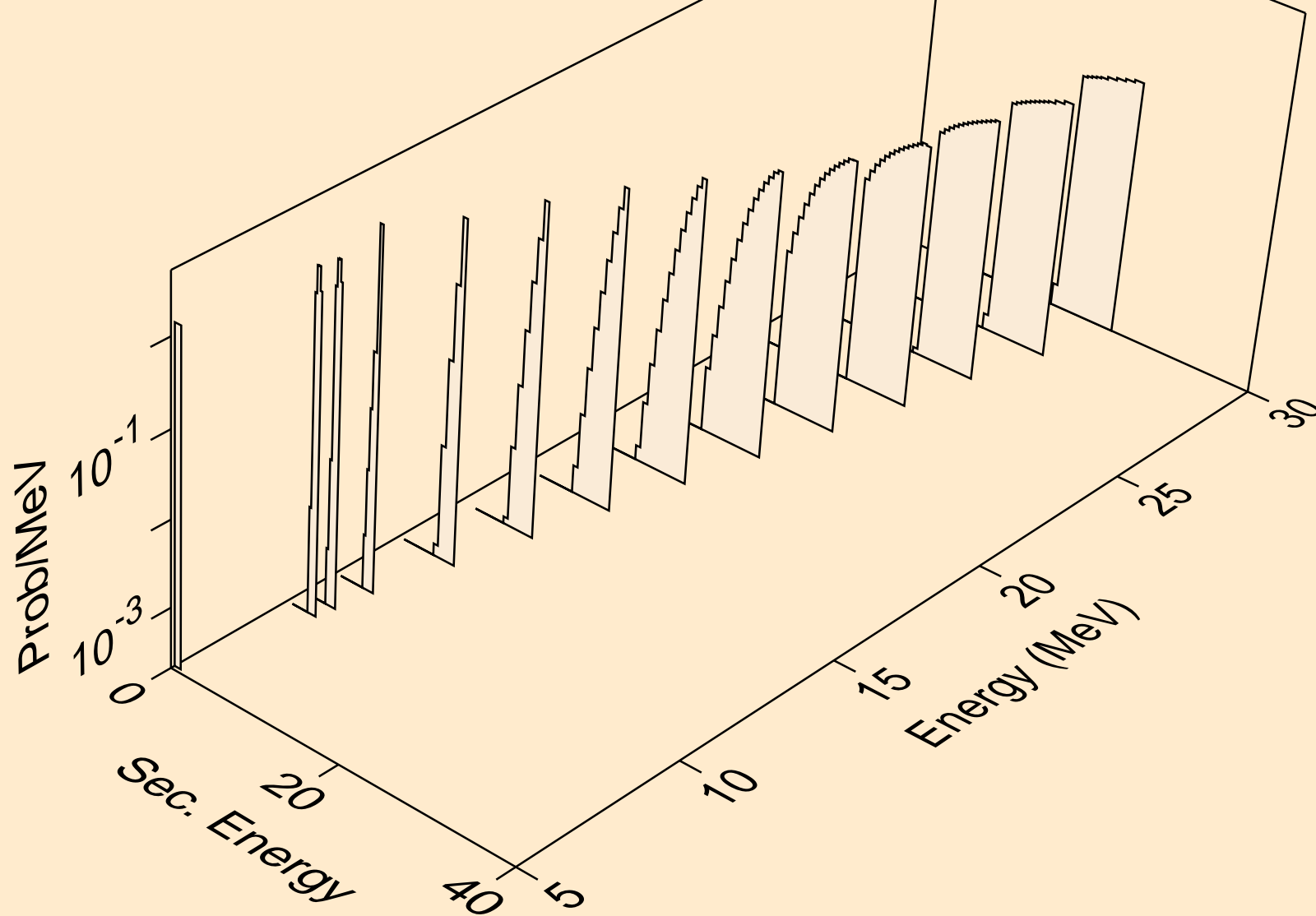
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,2nd)



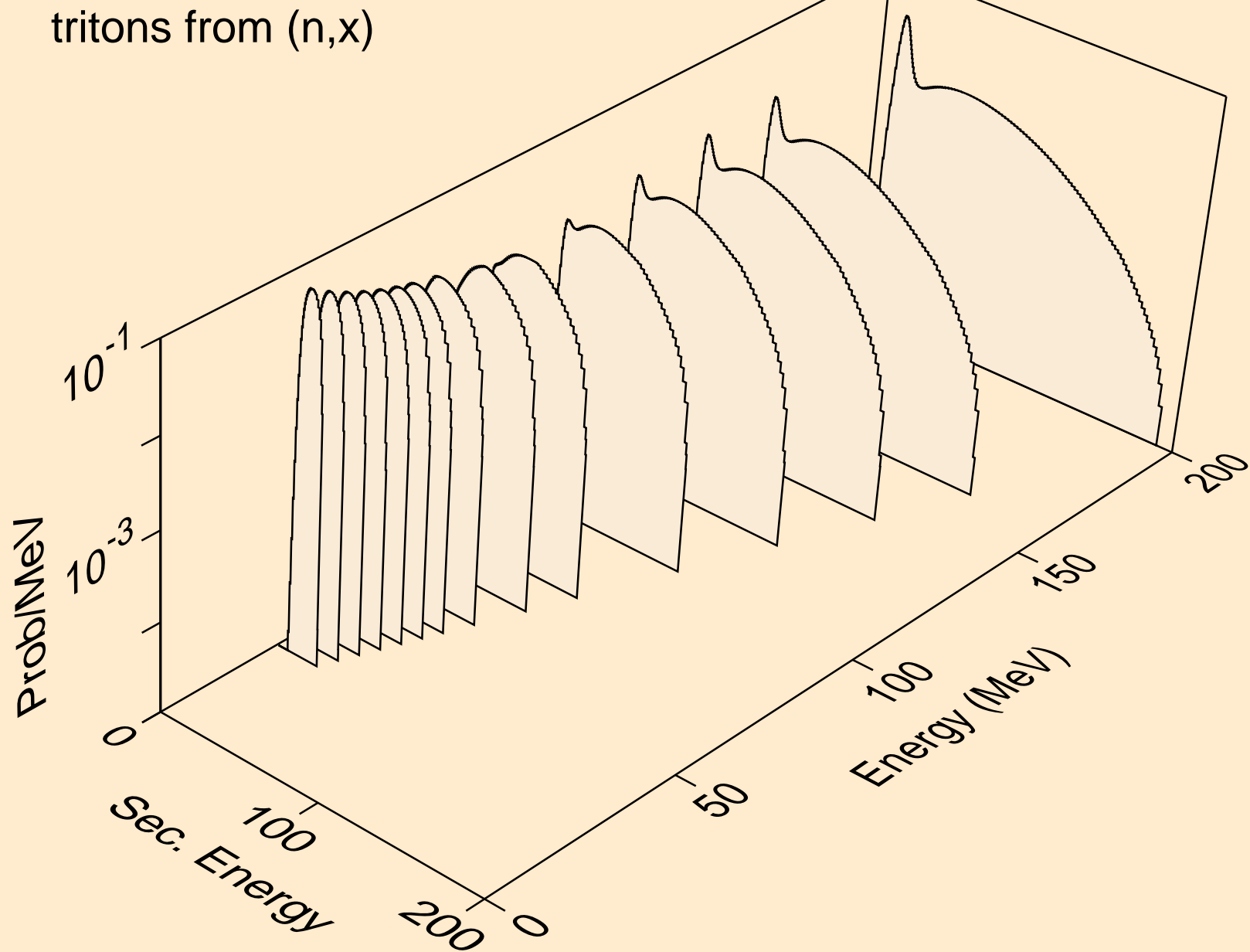
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,n*)d



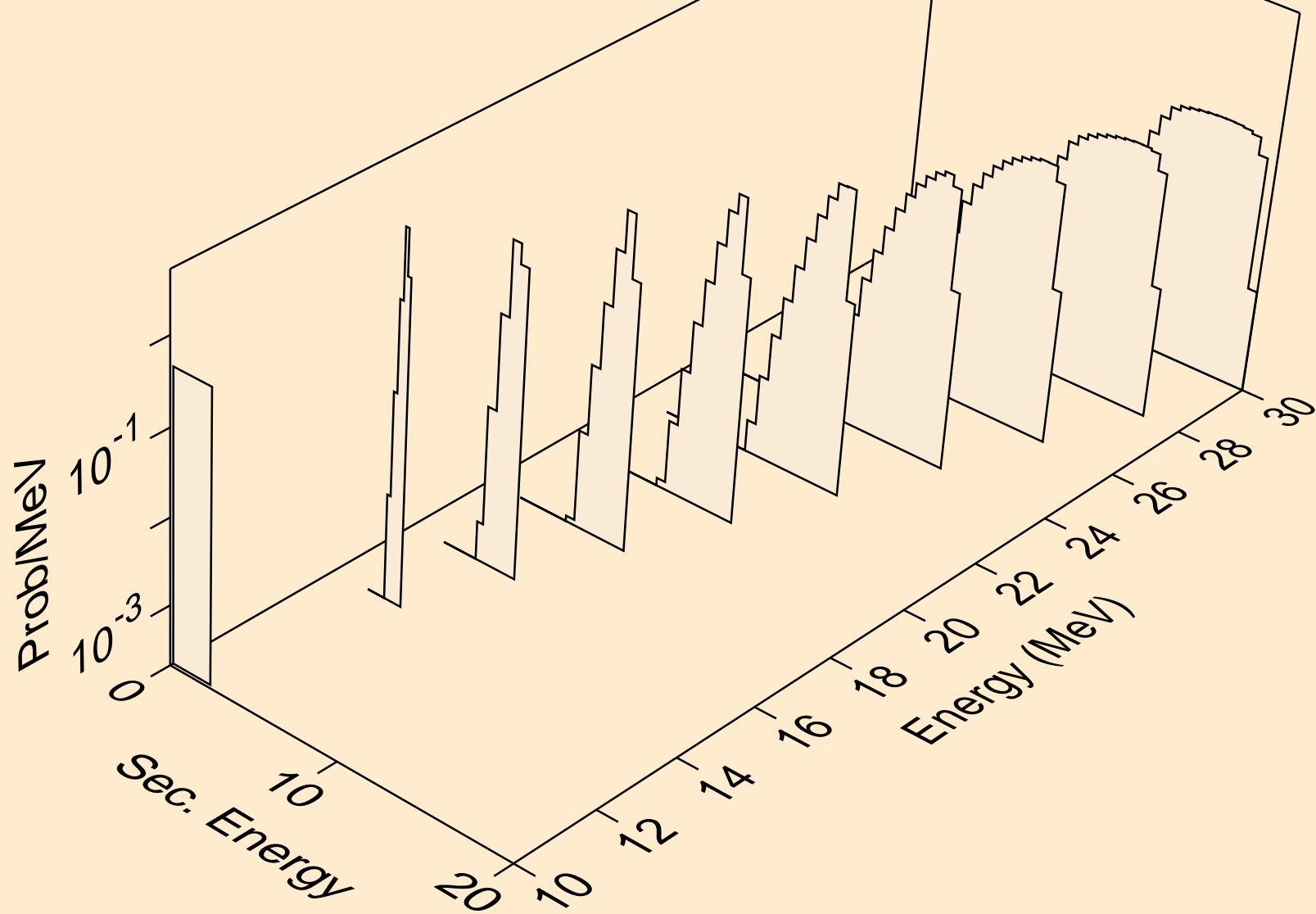
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deuterons from (n,d)



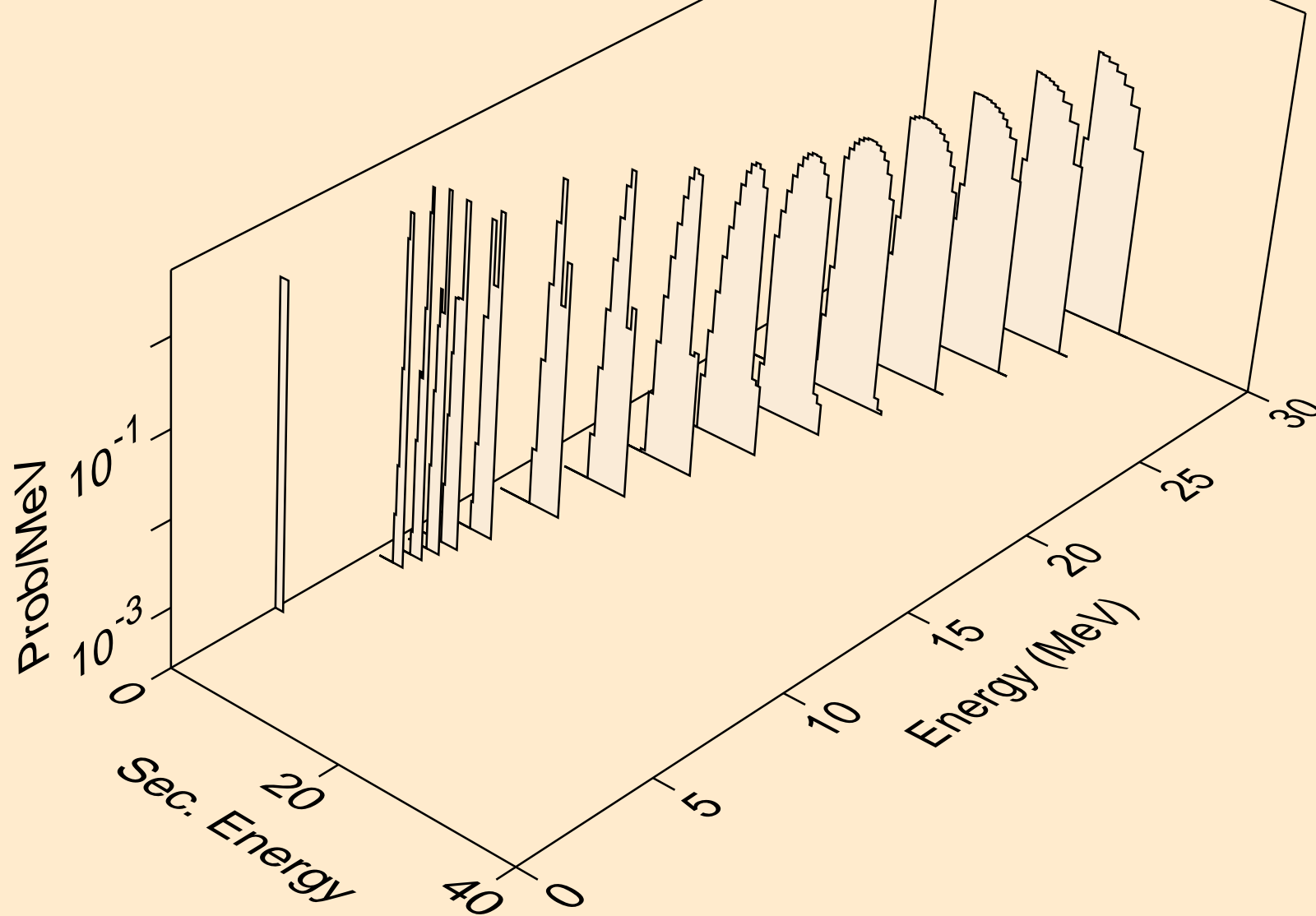
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,x)



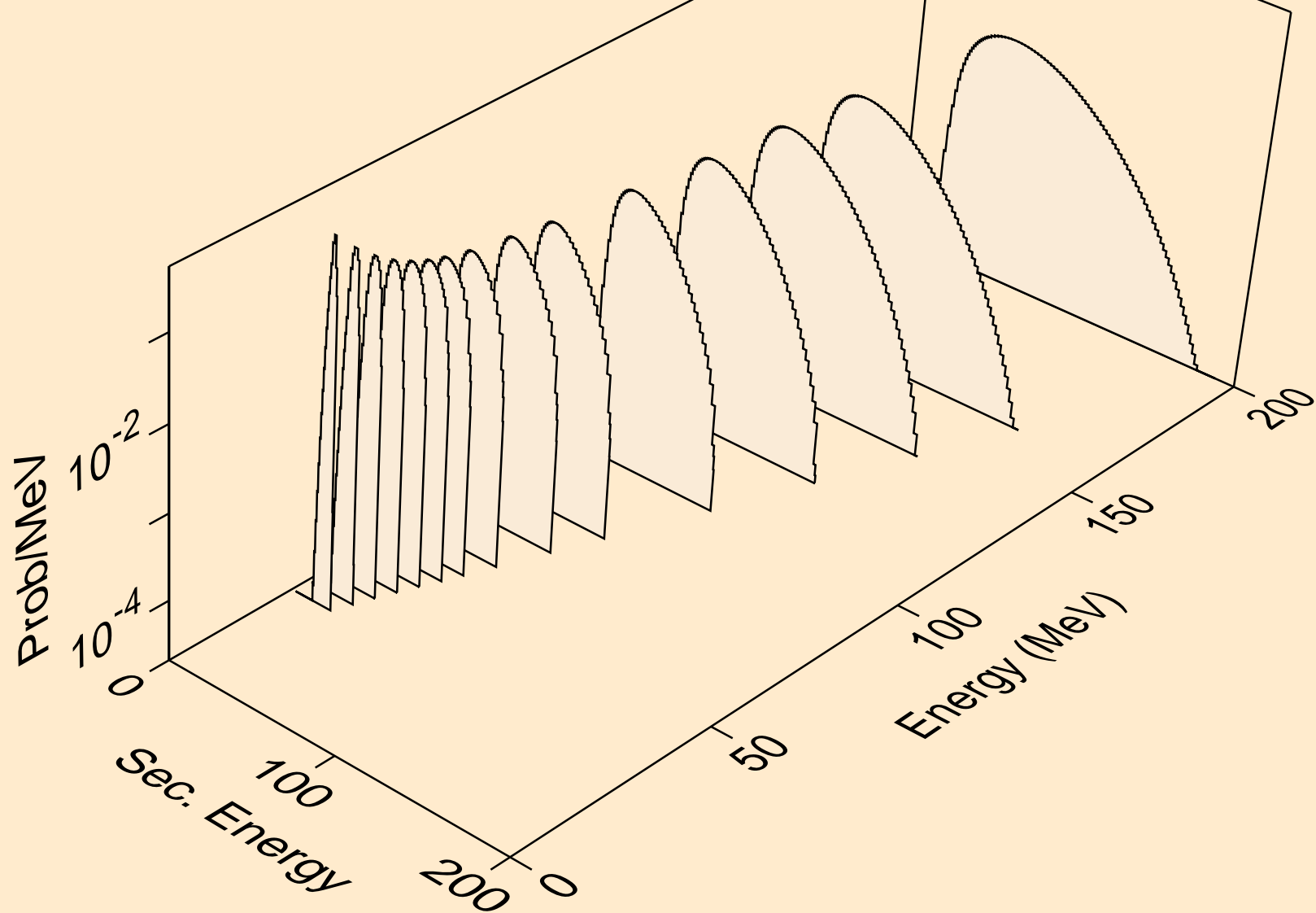
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,n*)t



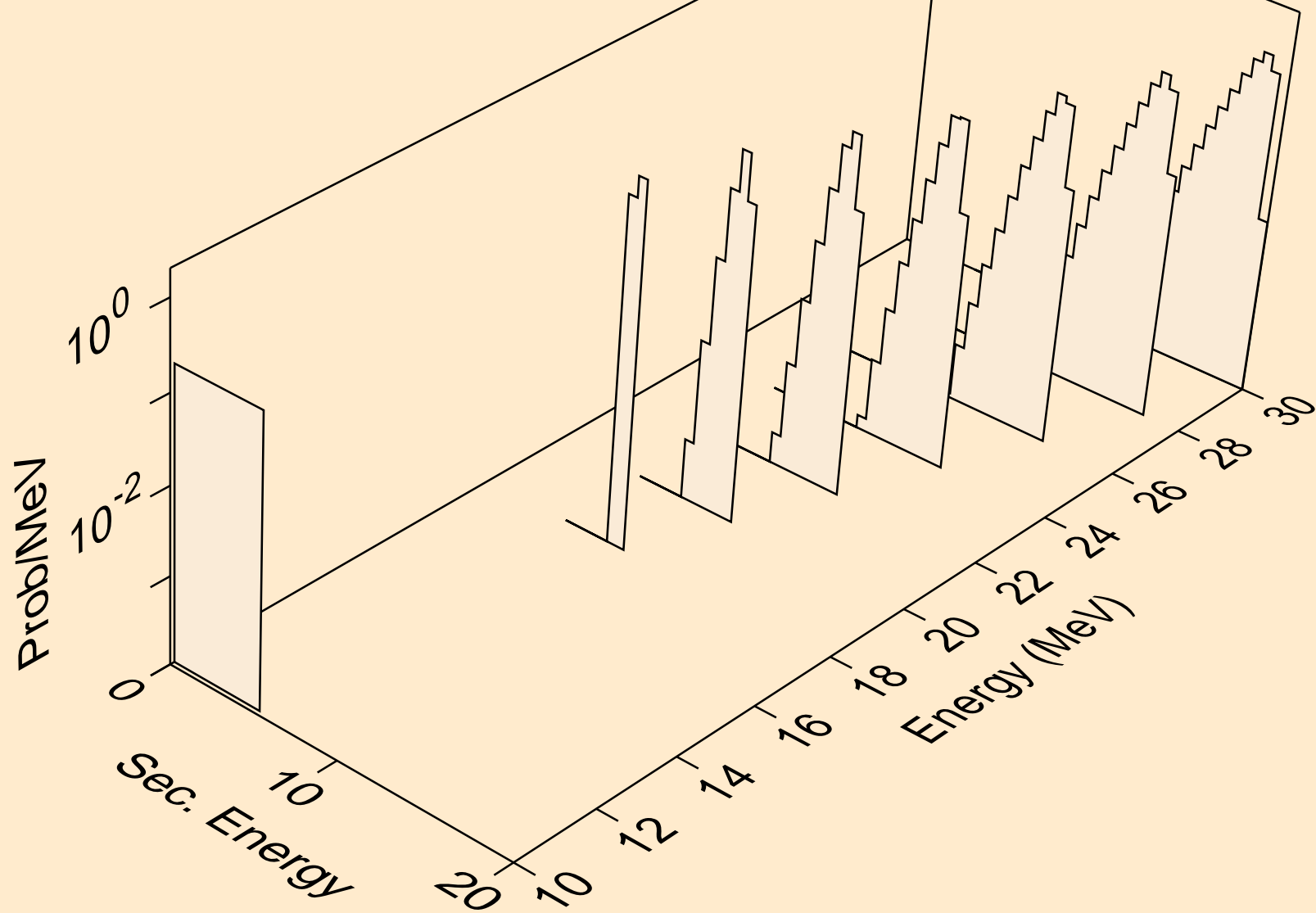
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,t)



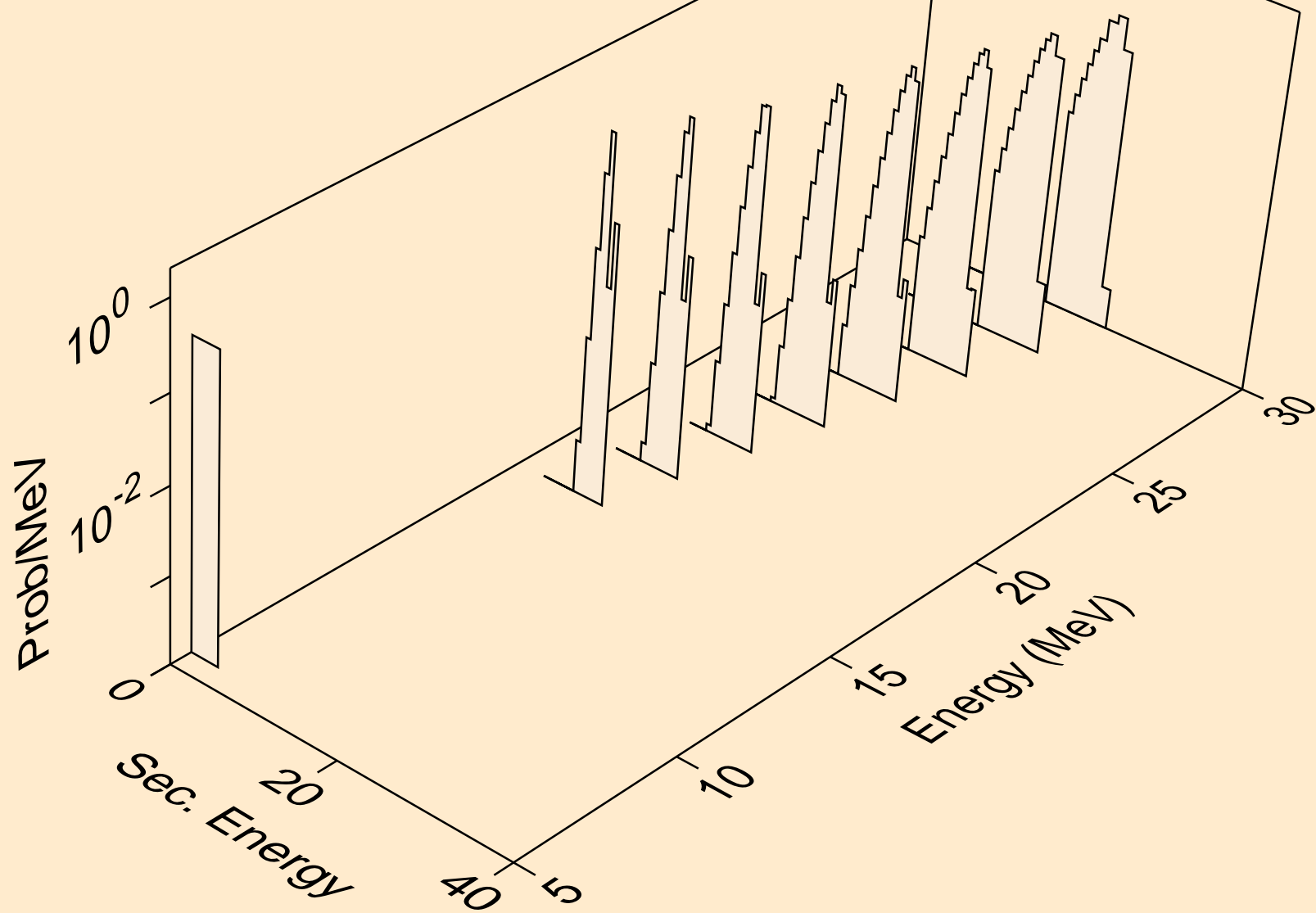
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,x)



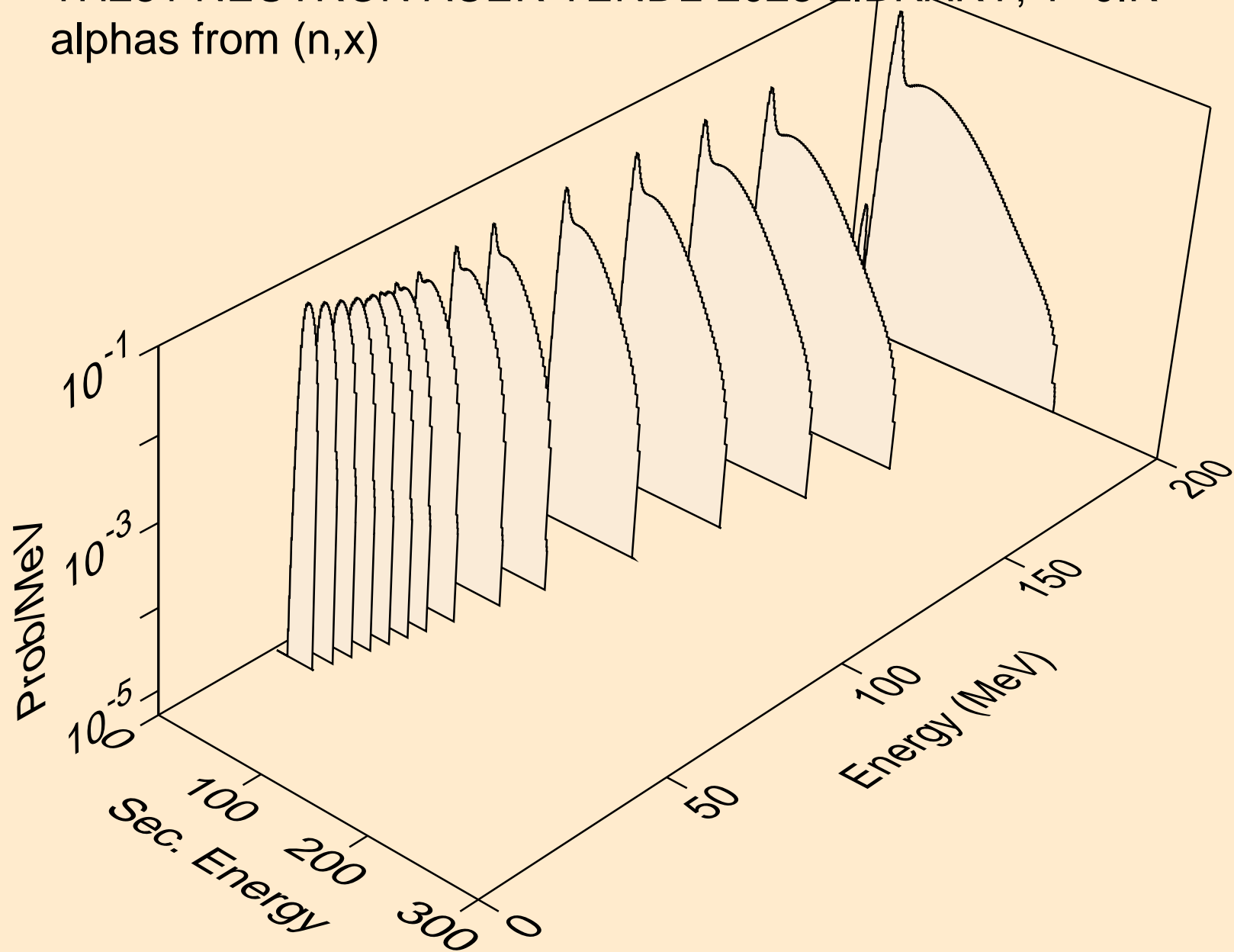
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,n*)he3



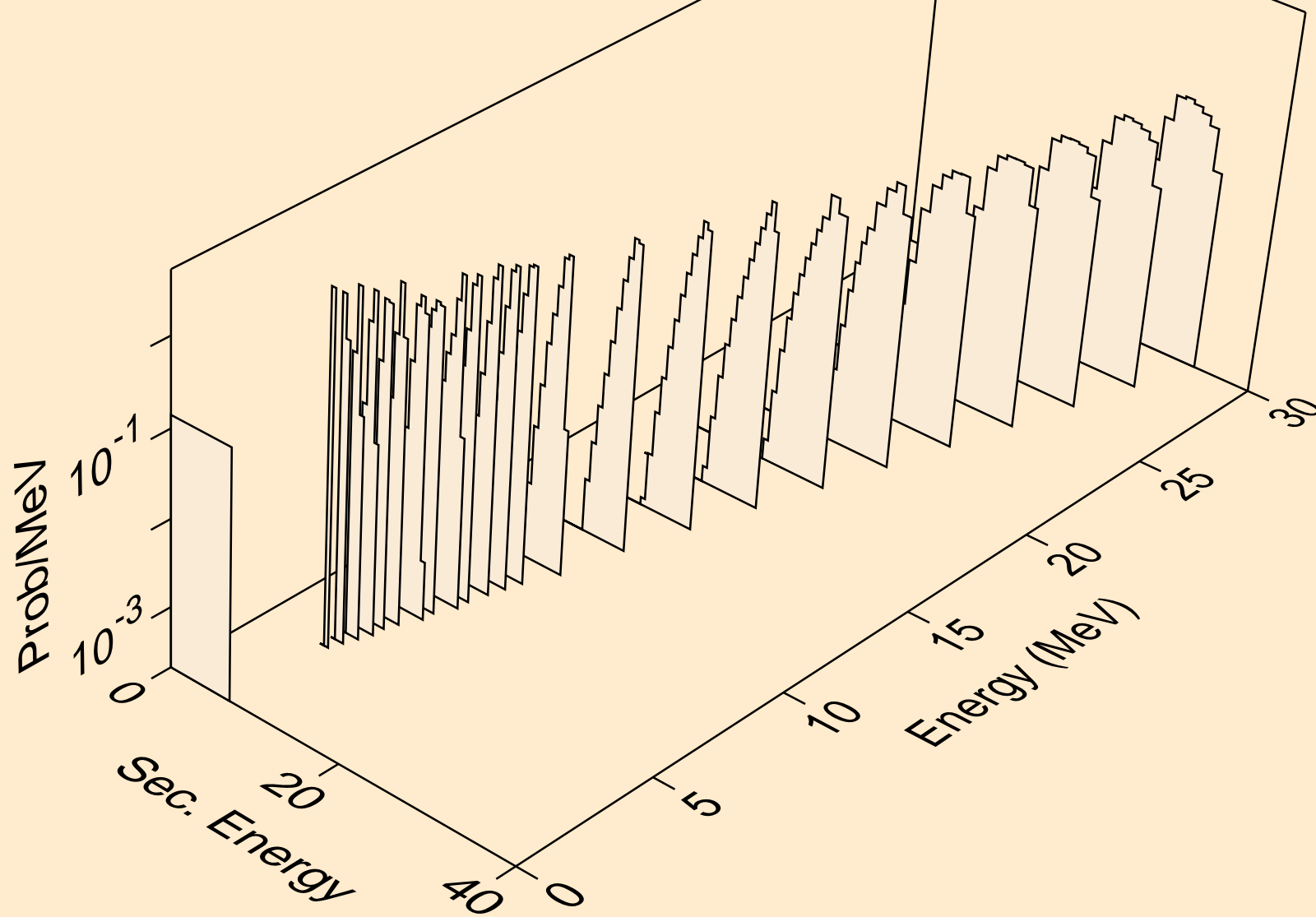
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,he3)



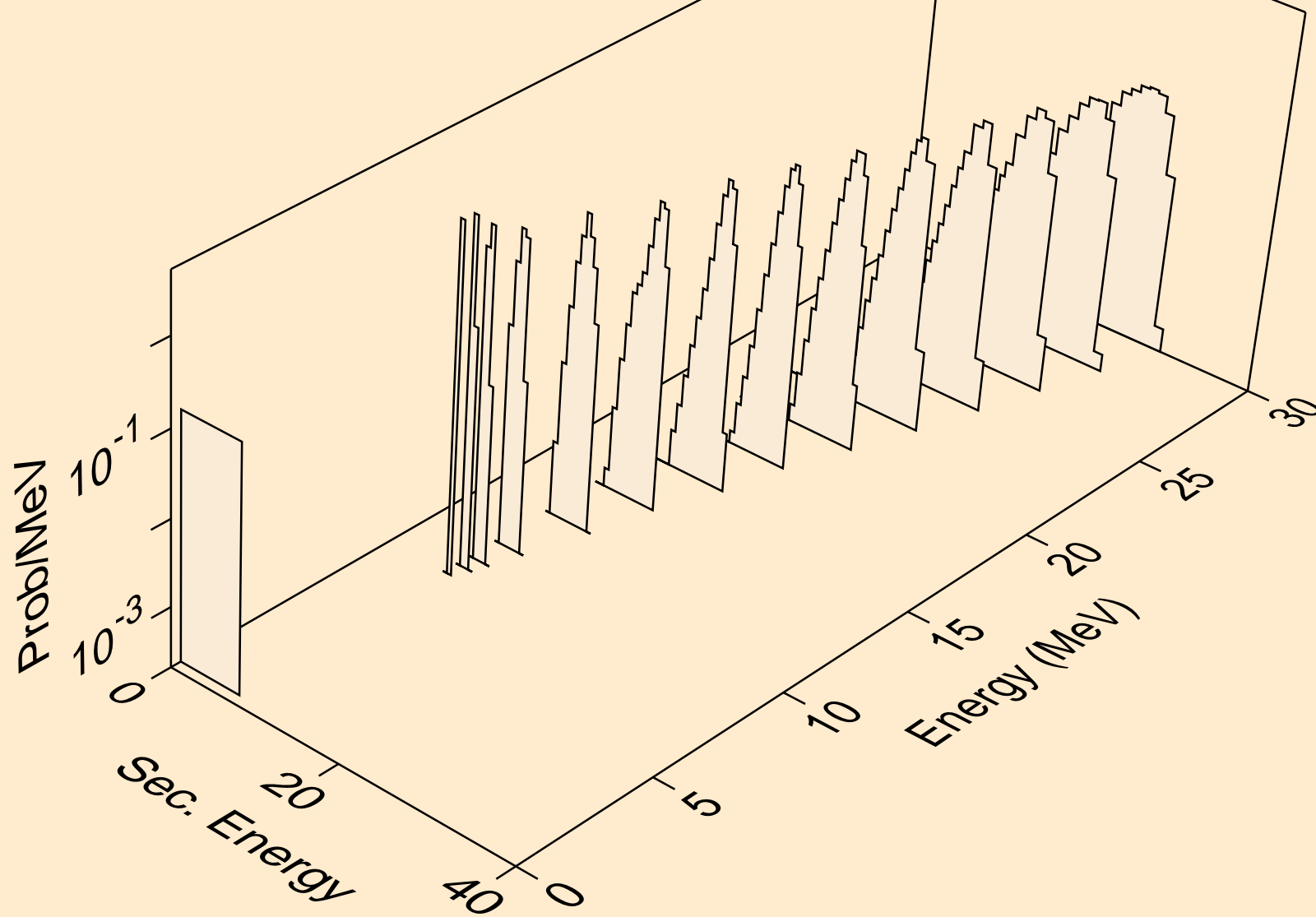
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,x)



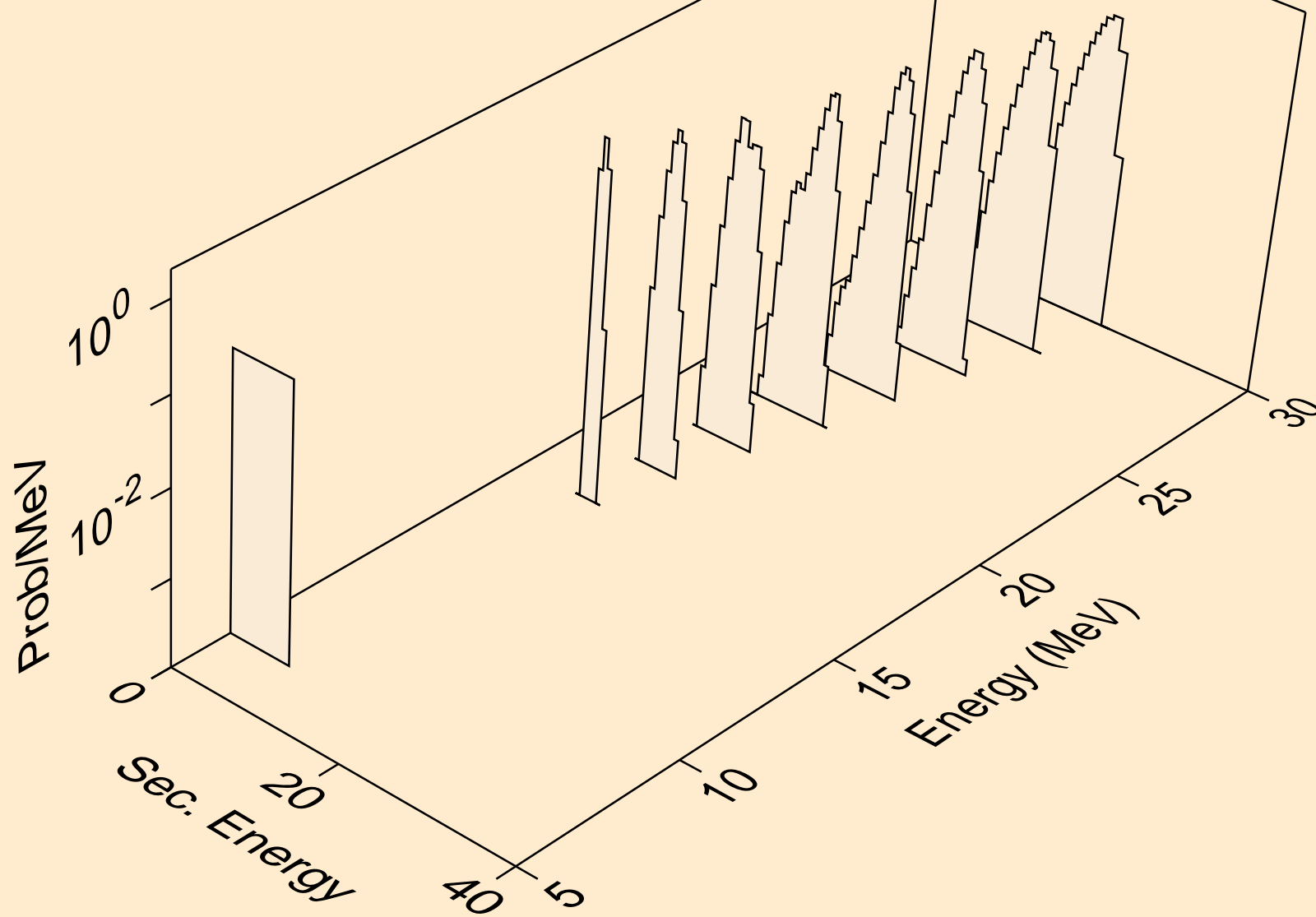
TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,n*)a



TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,2n)a



TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,3n)a



TH231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,a)

