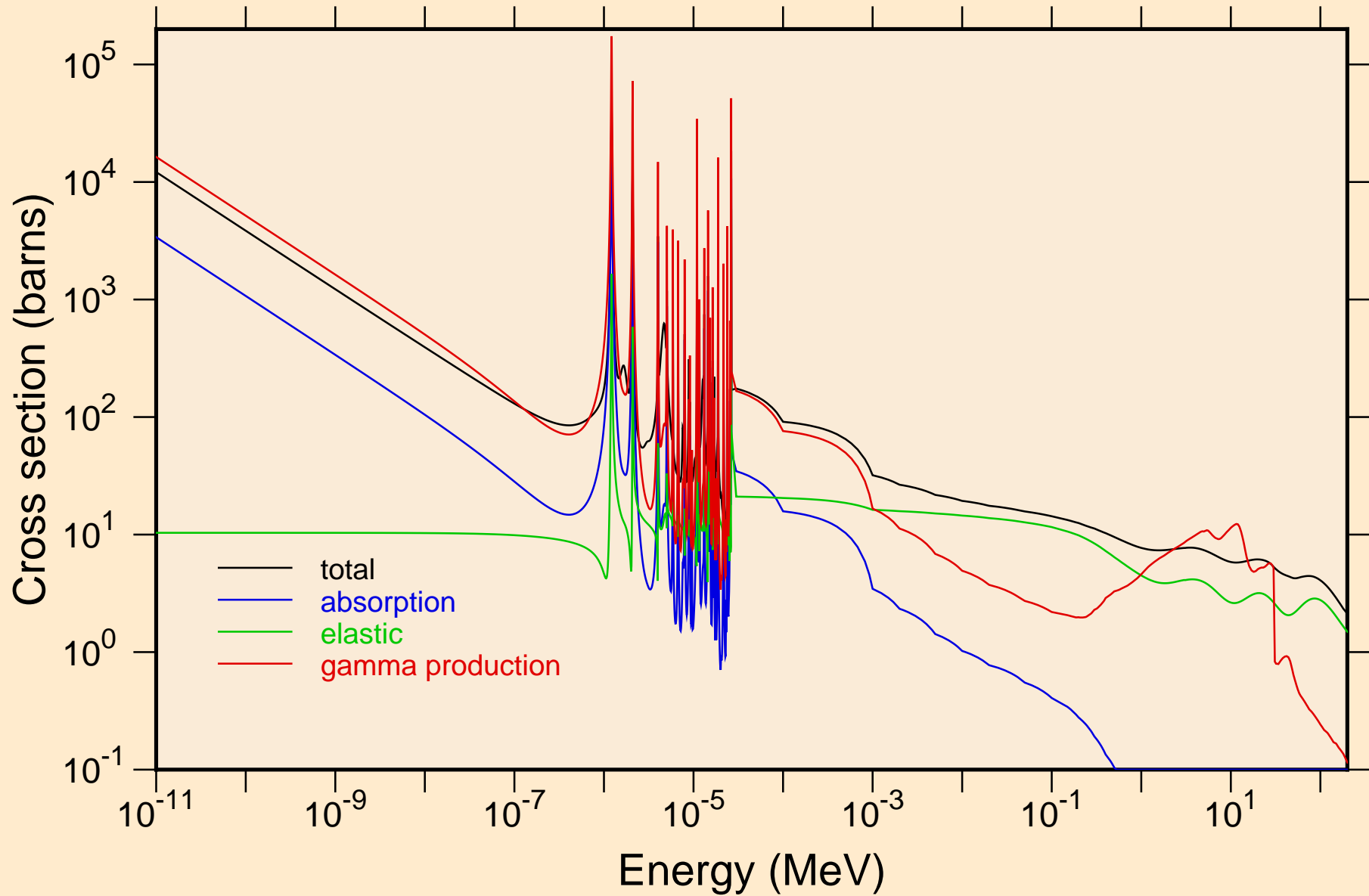
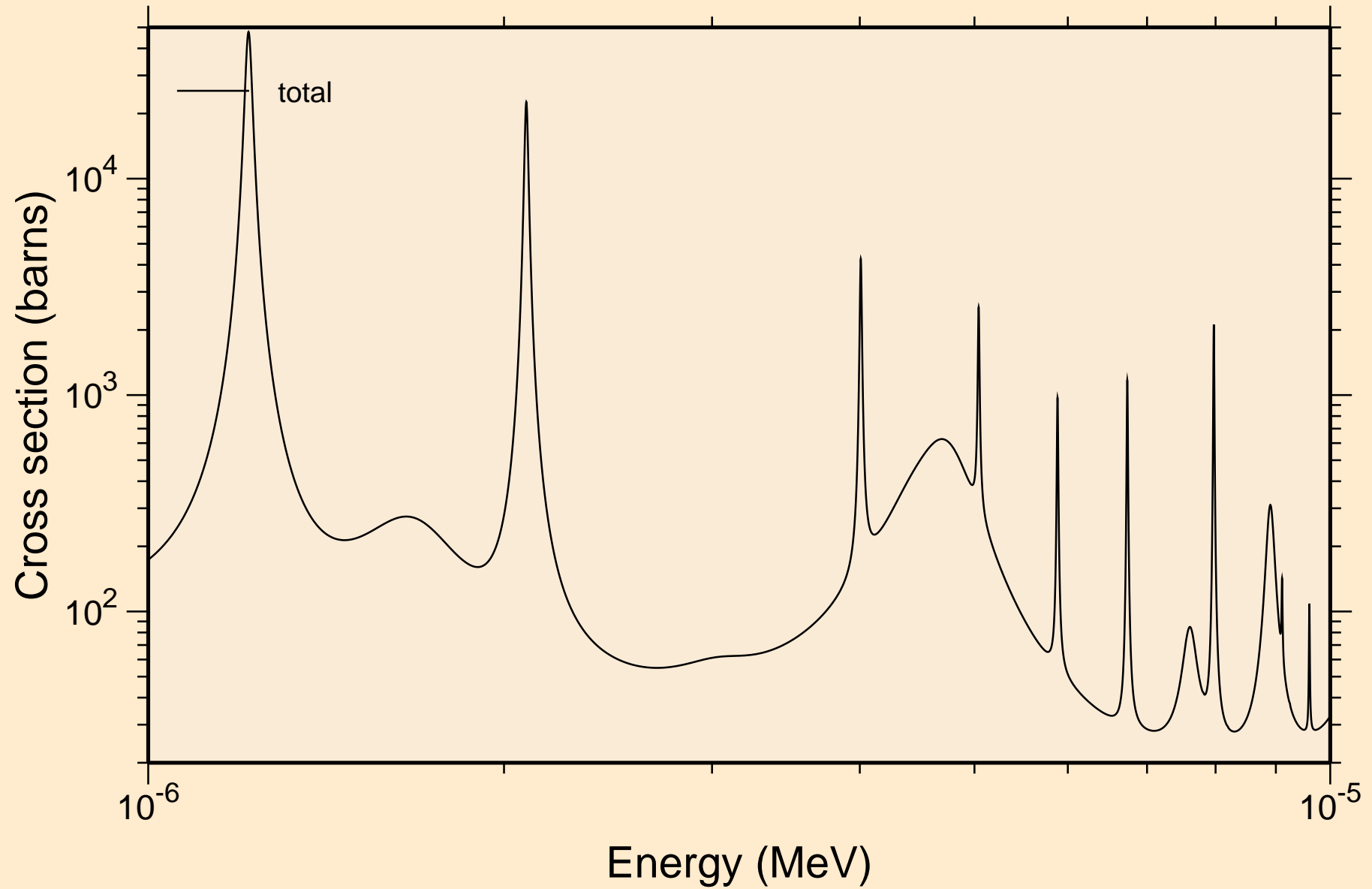


# TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

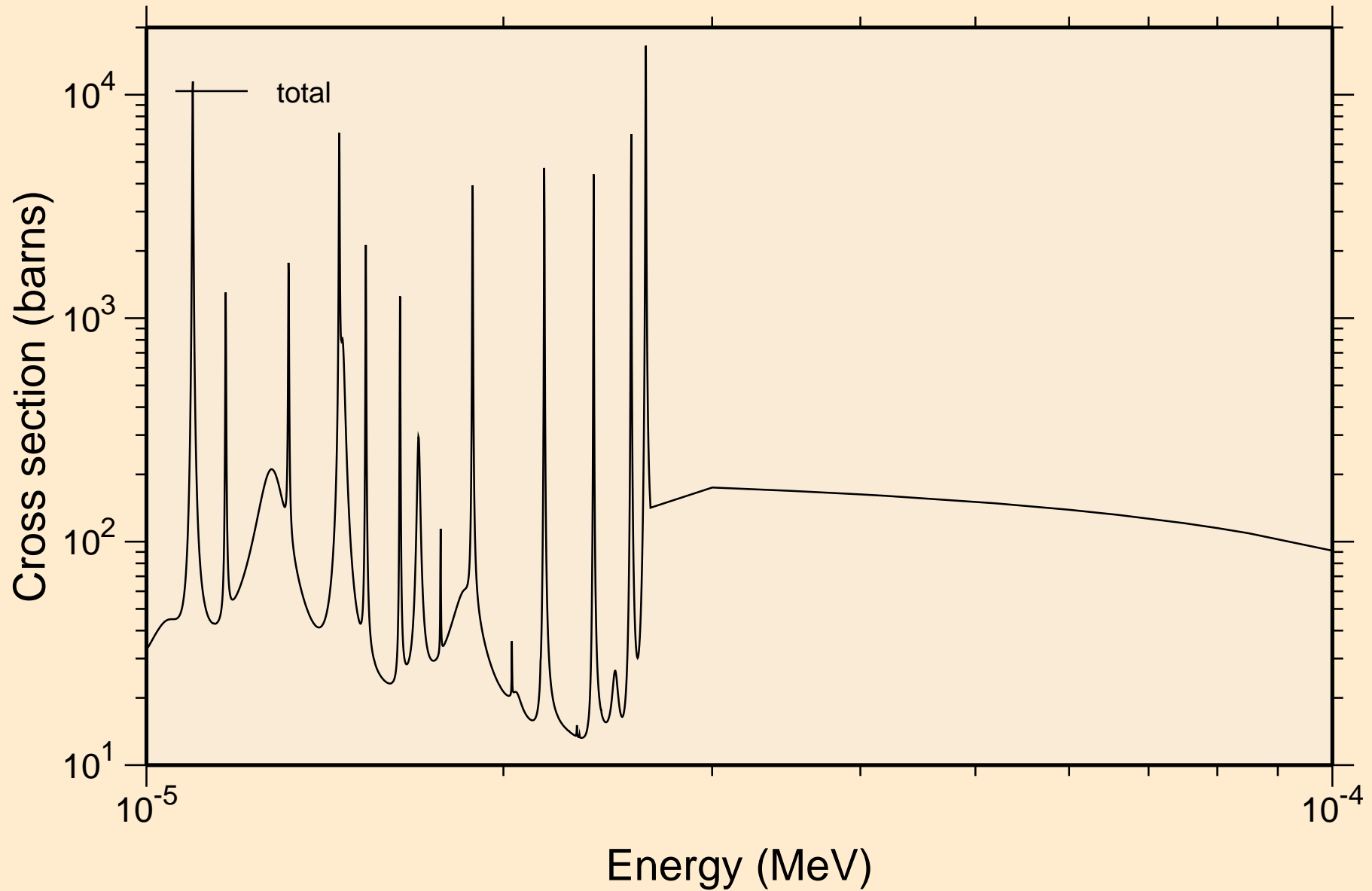
## Principal cross sections



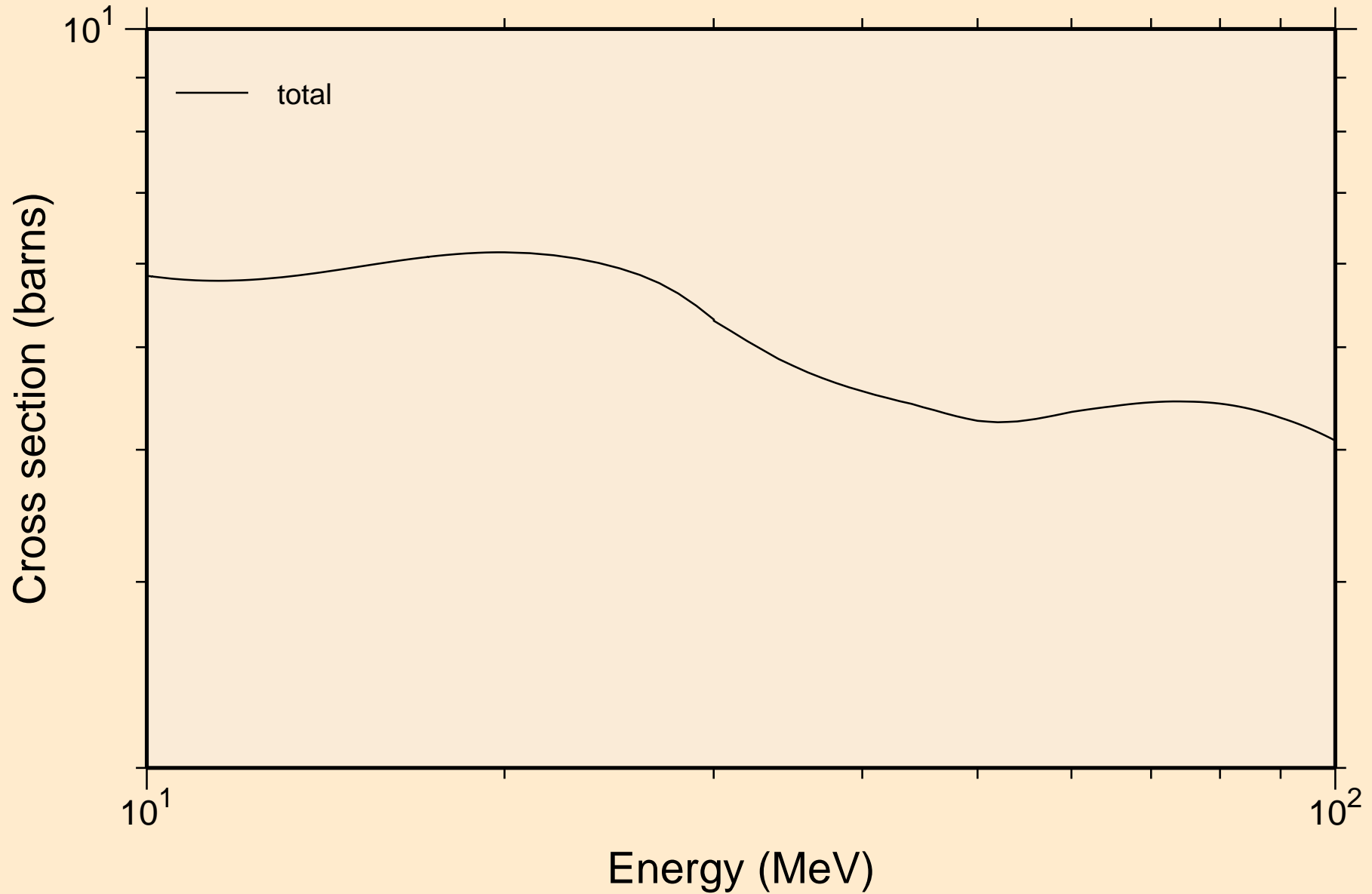
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



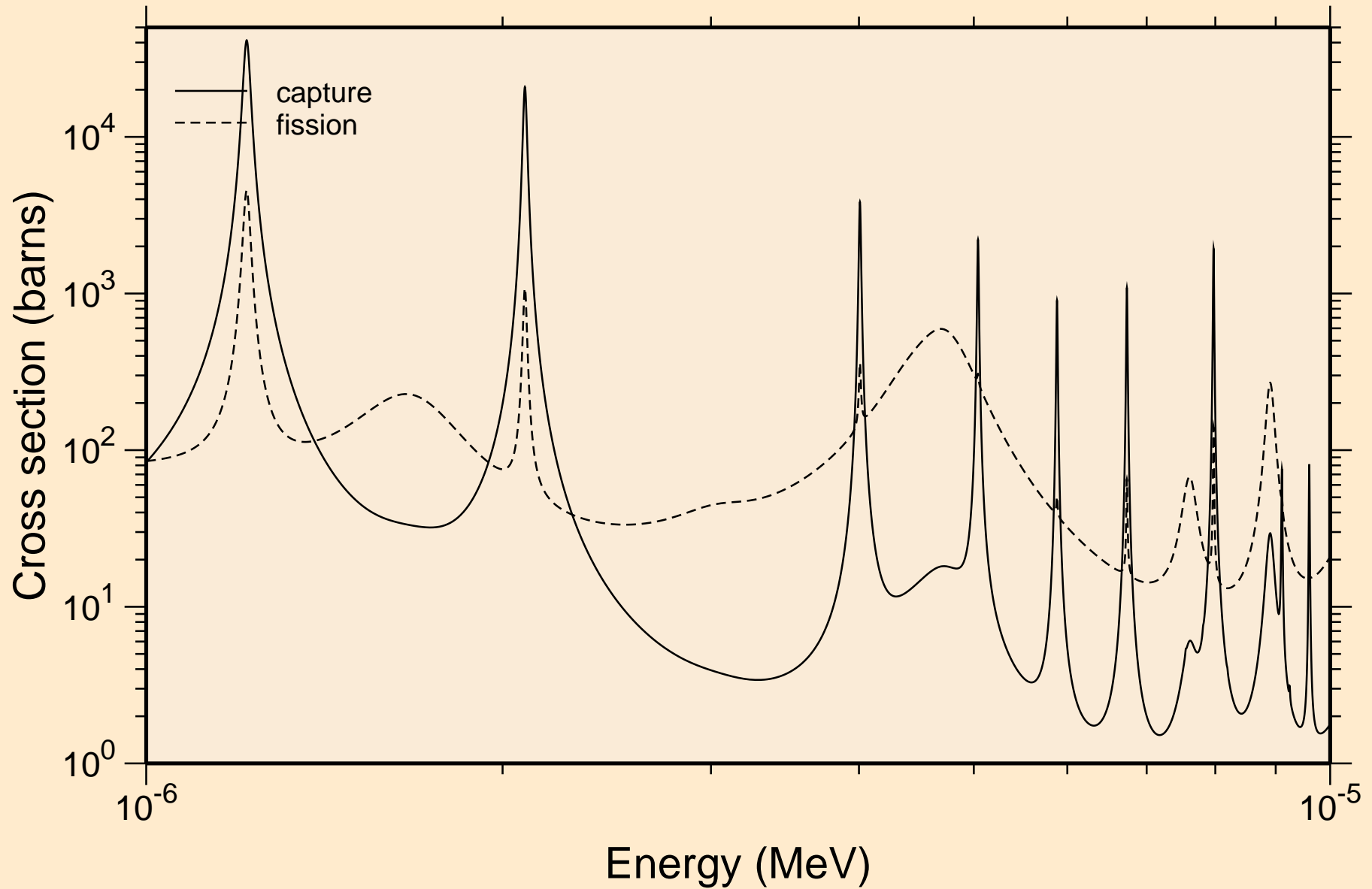
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



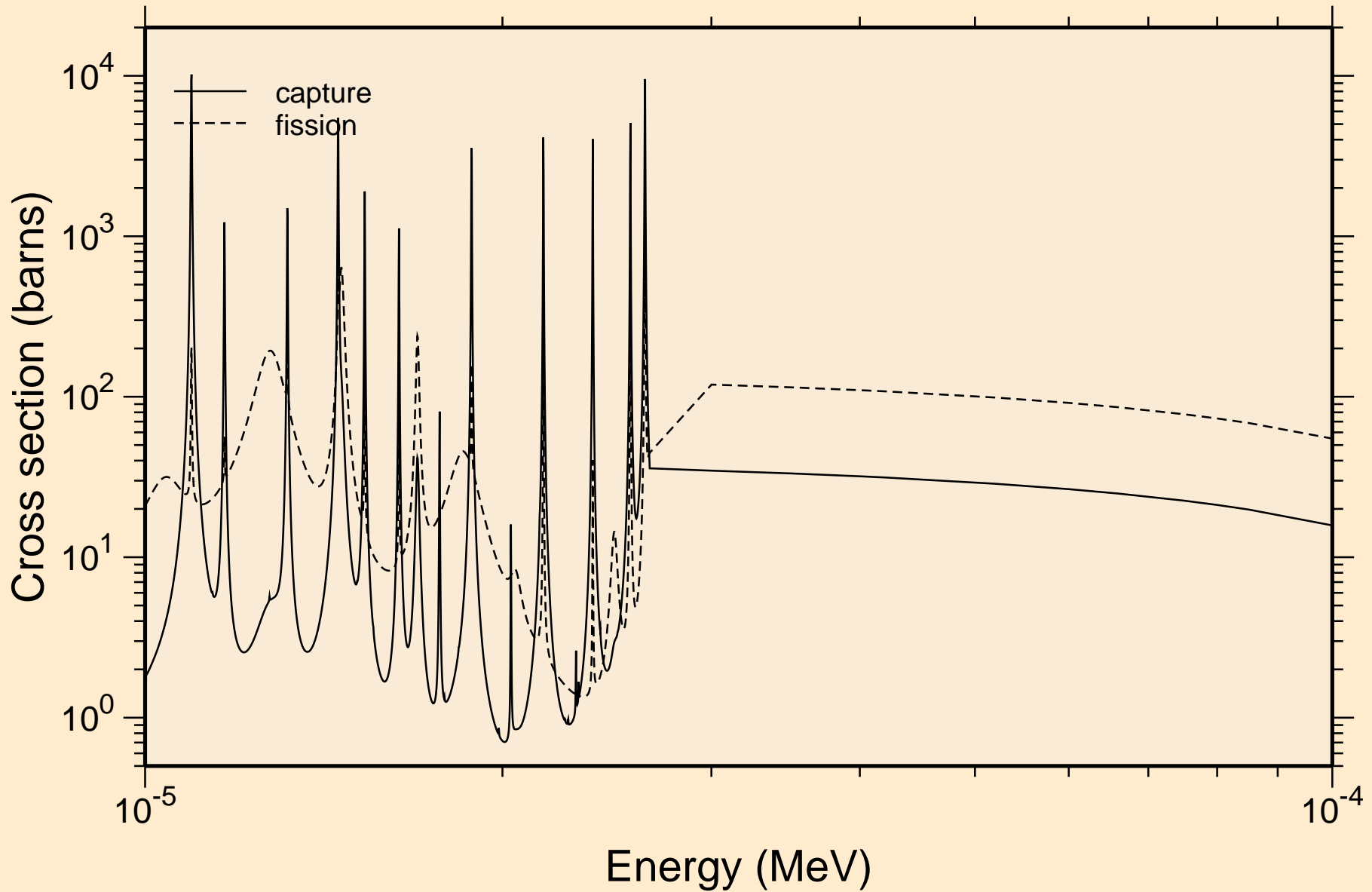
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



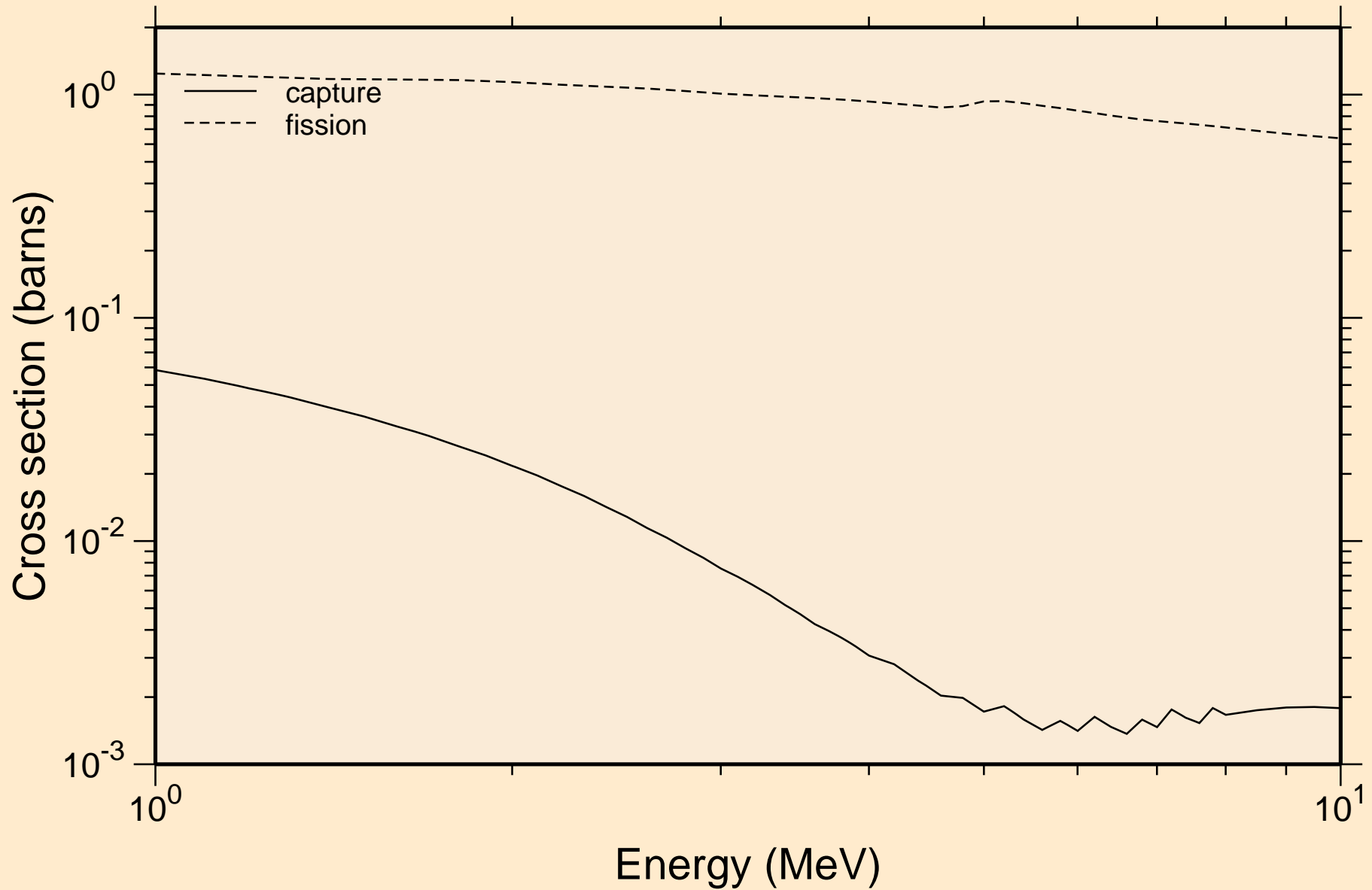
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

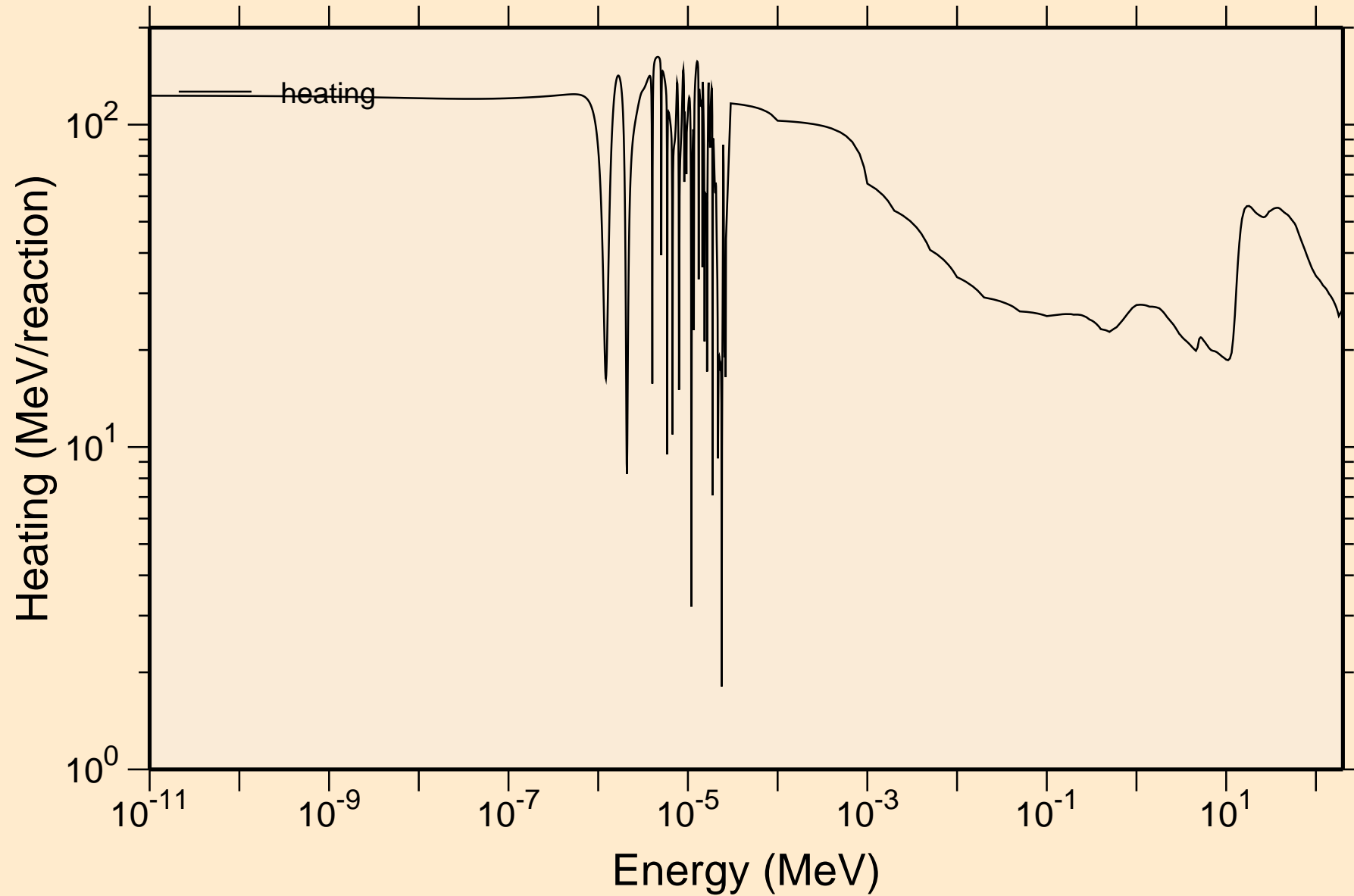


TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



# TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

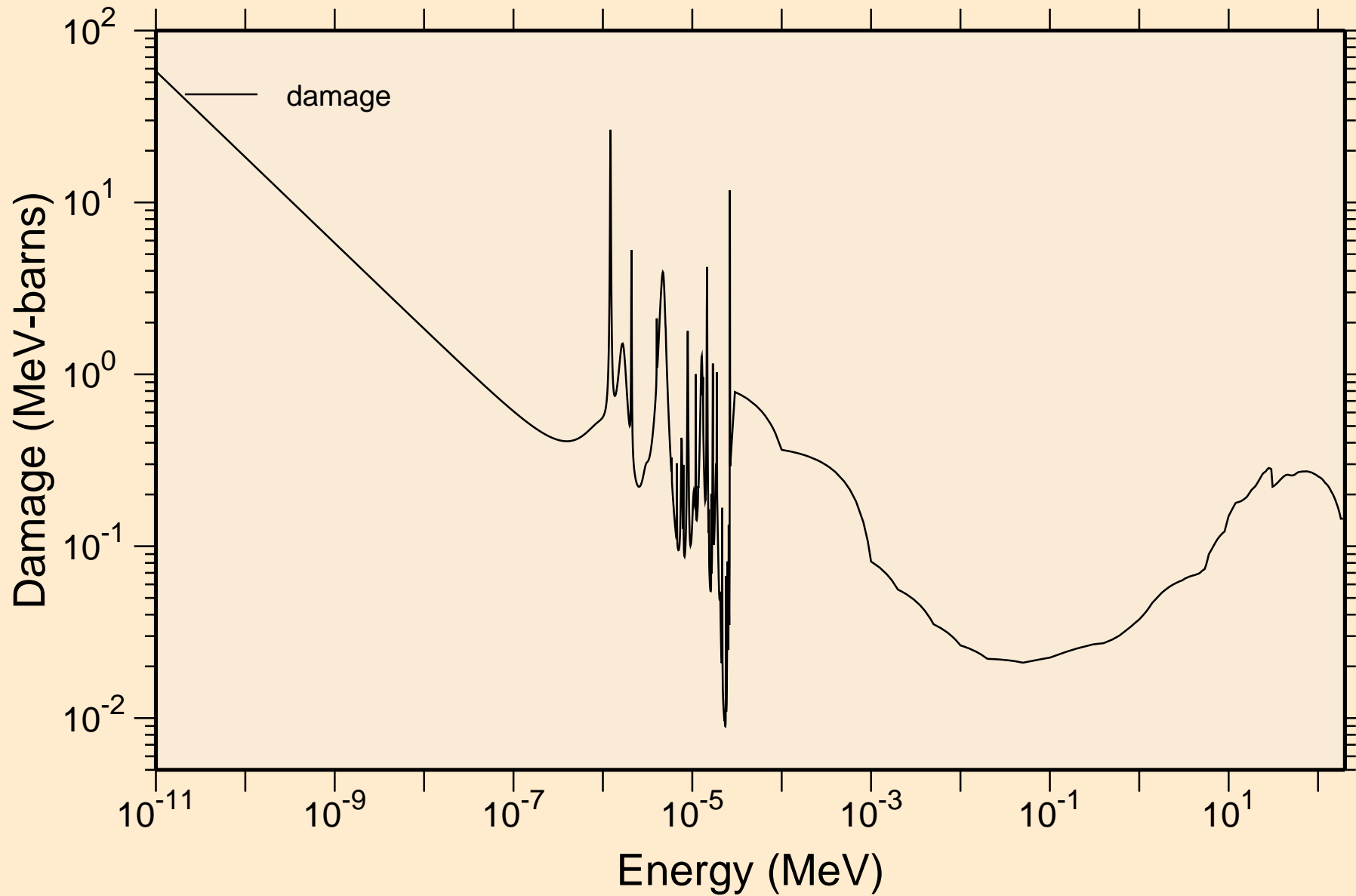
## Heating





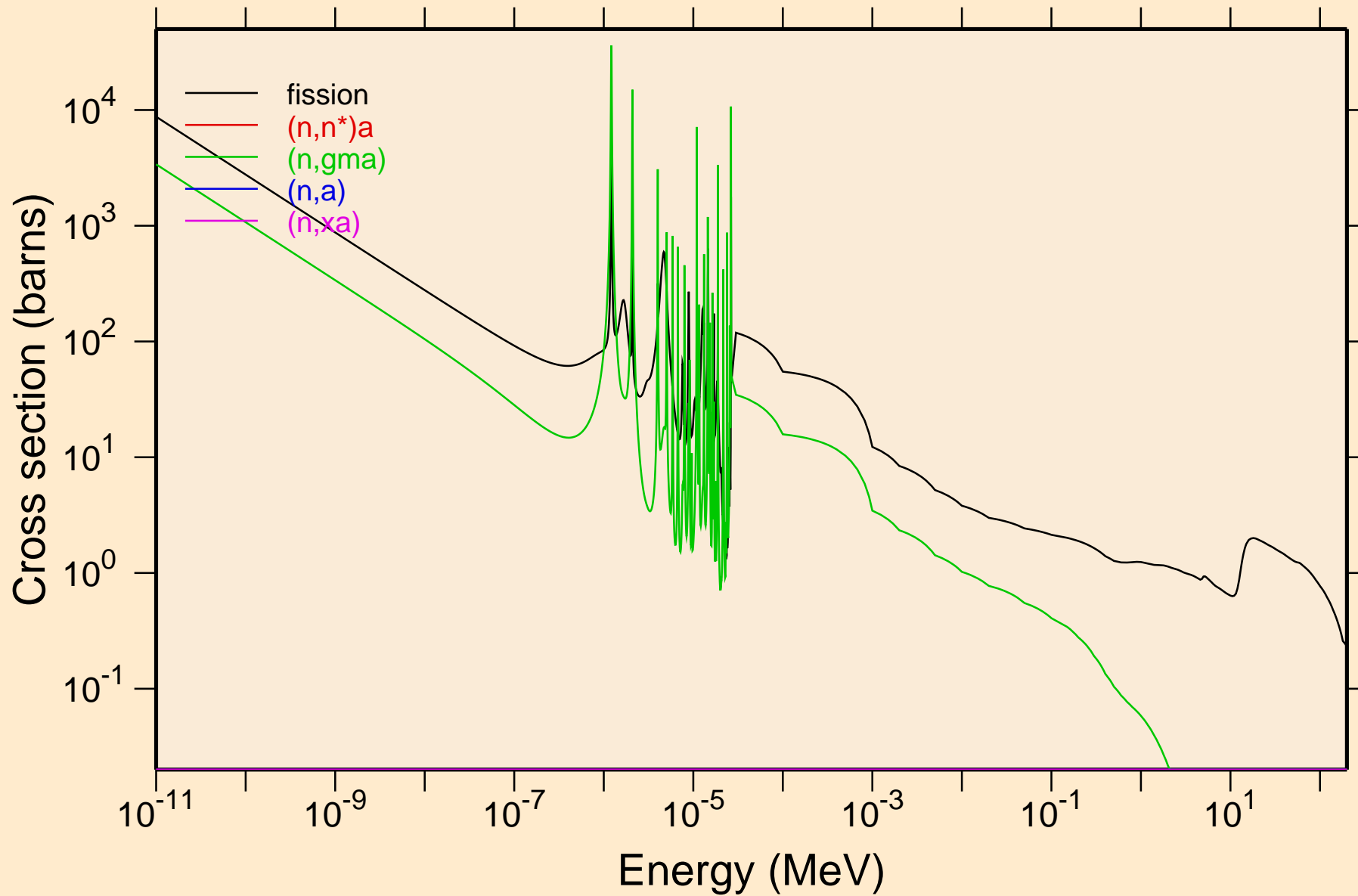
# TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage



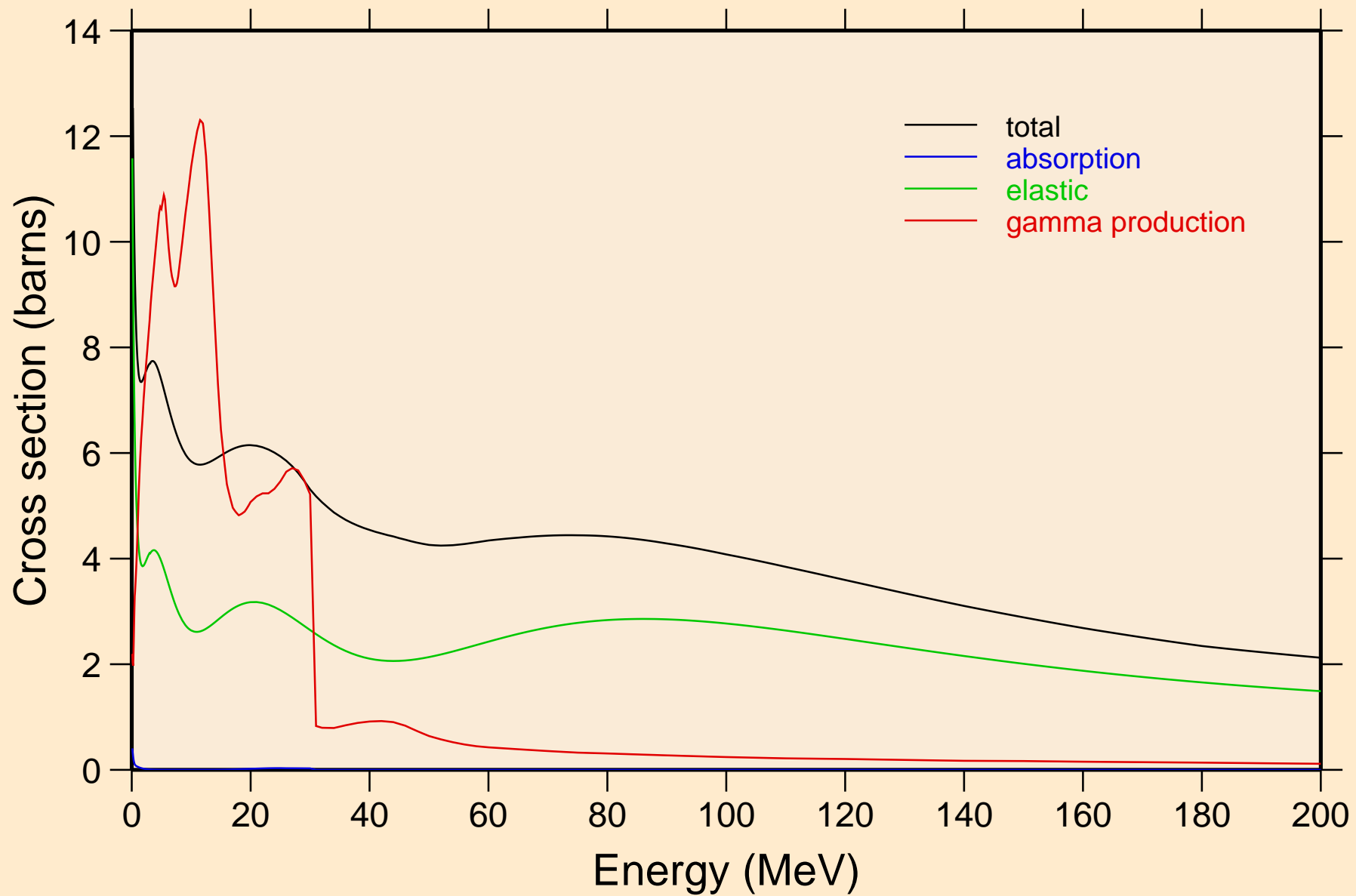
# TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



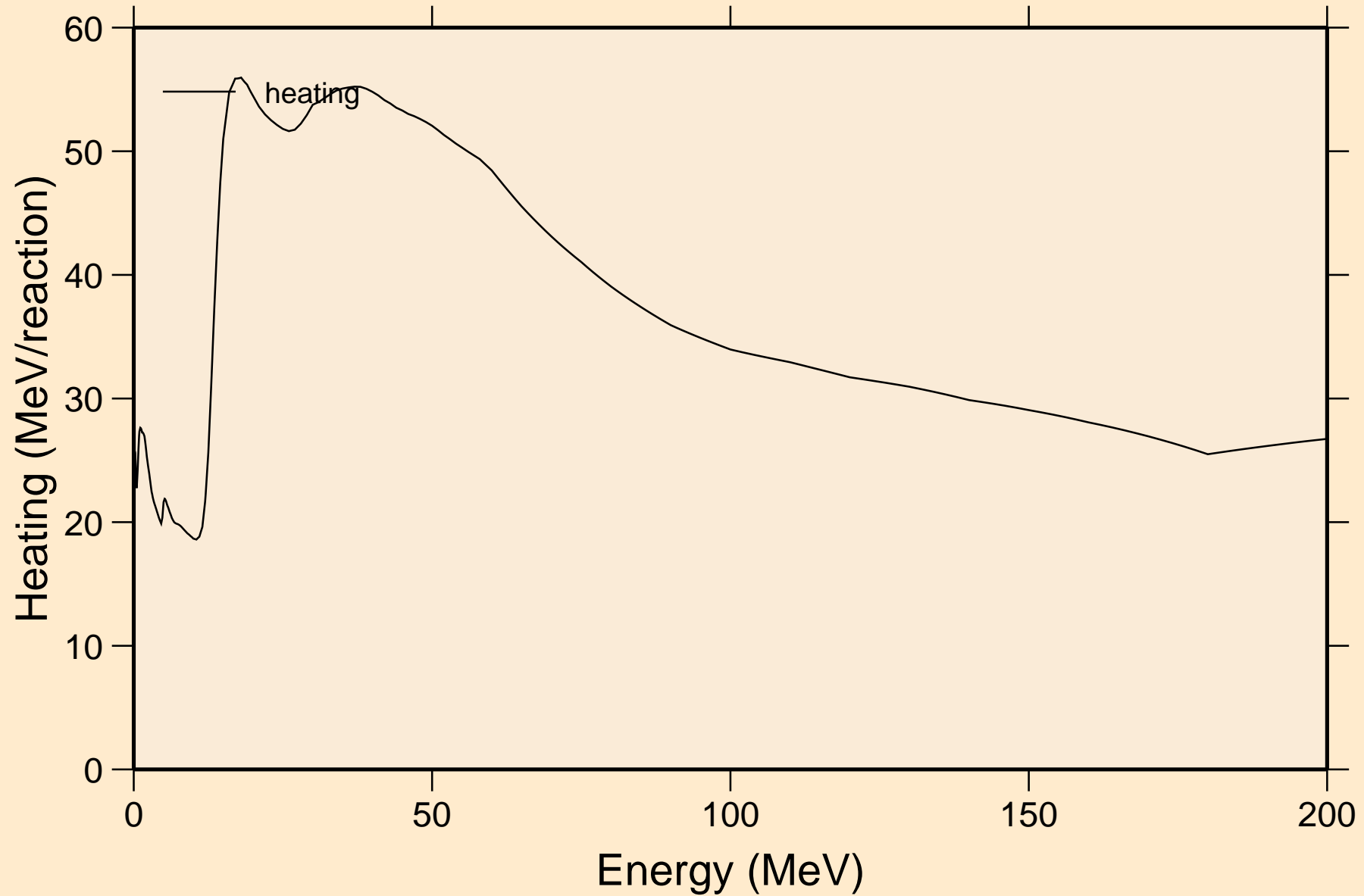
# TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections

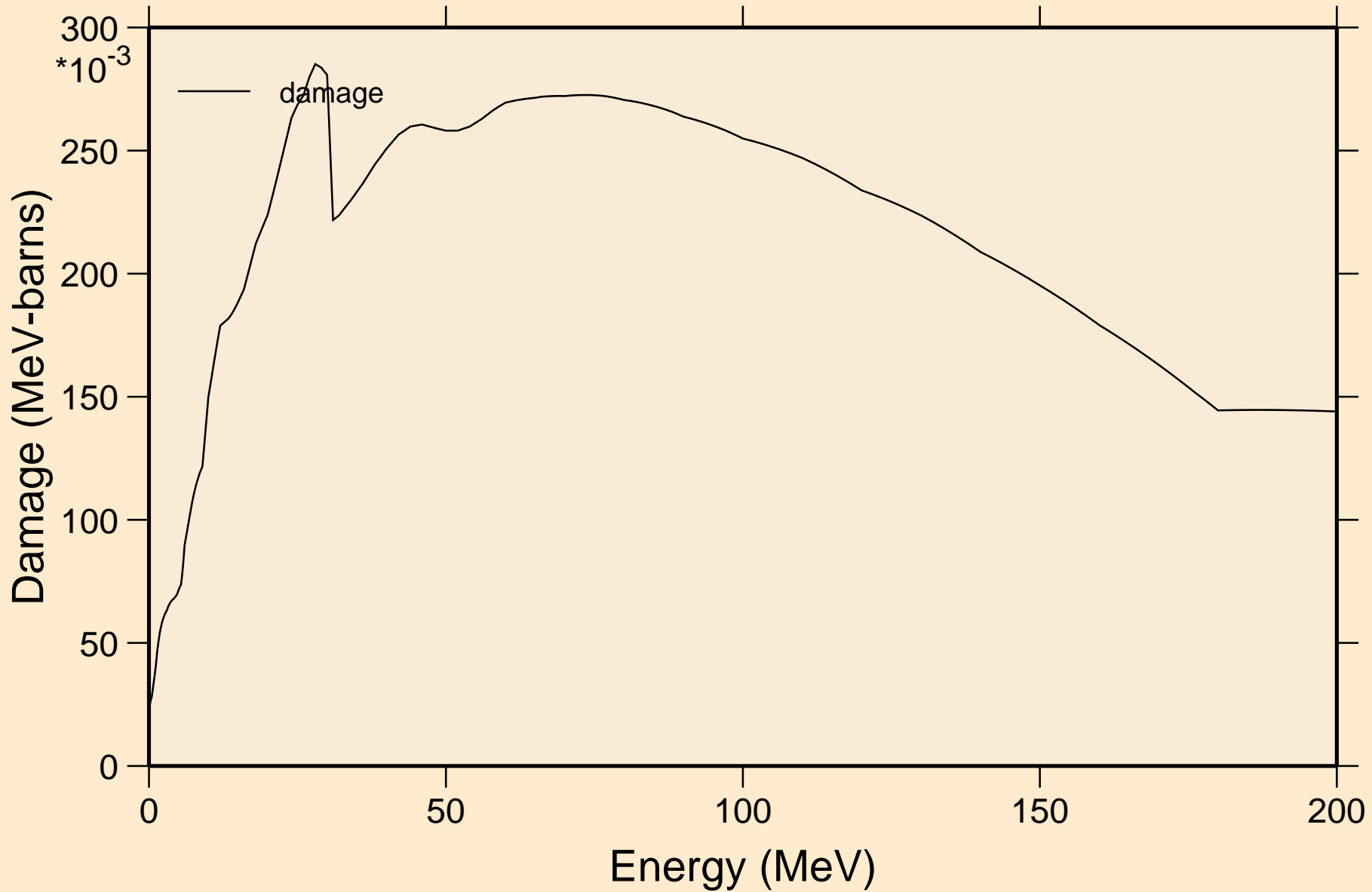


# TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

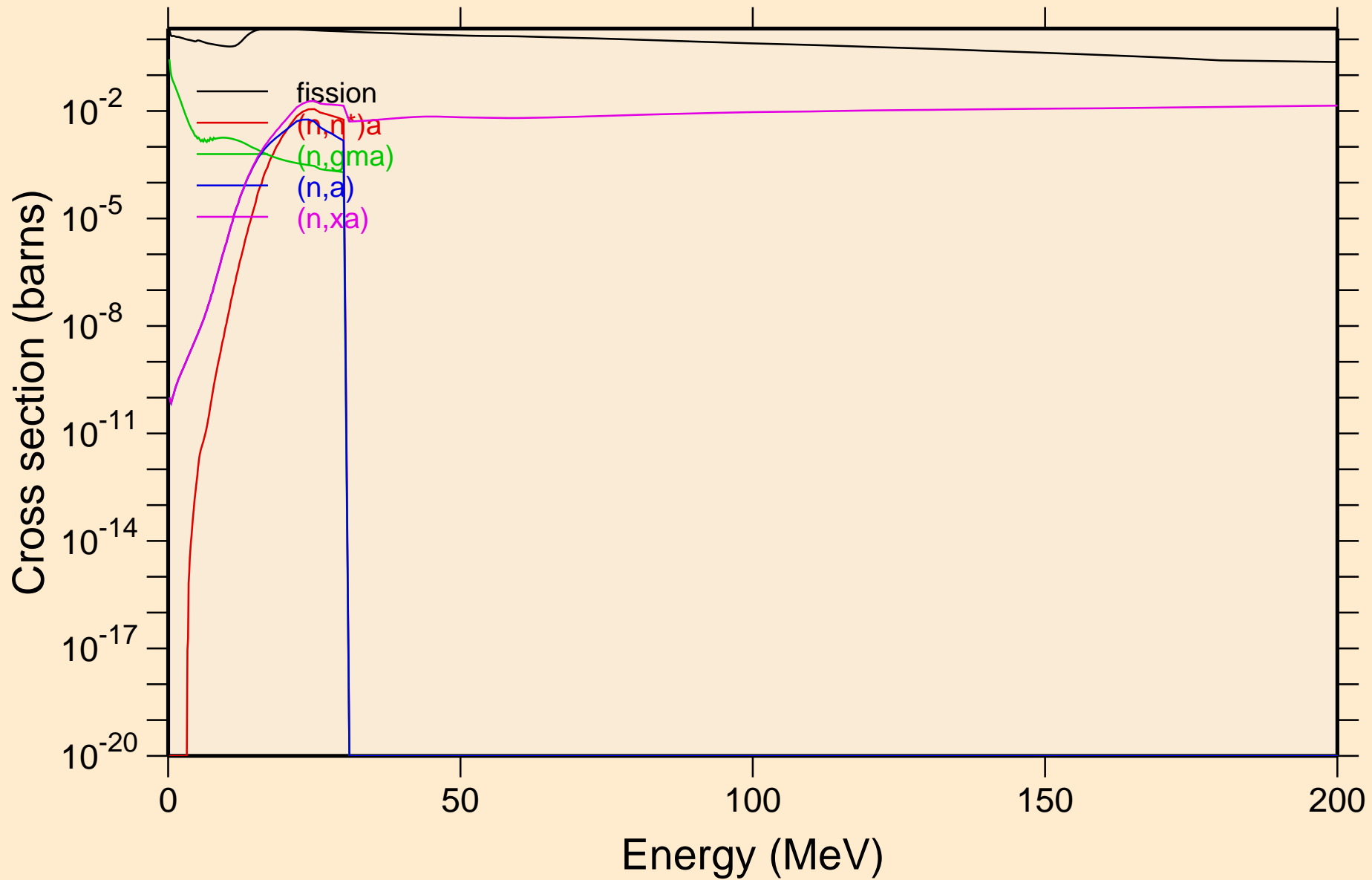


TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage

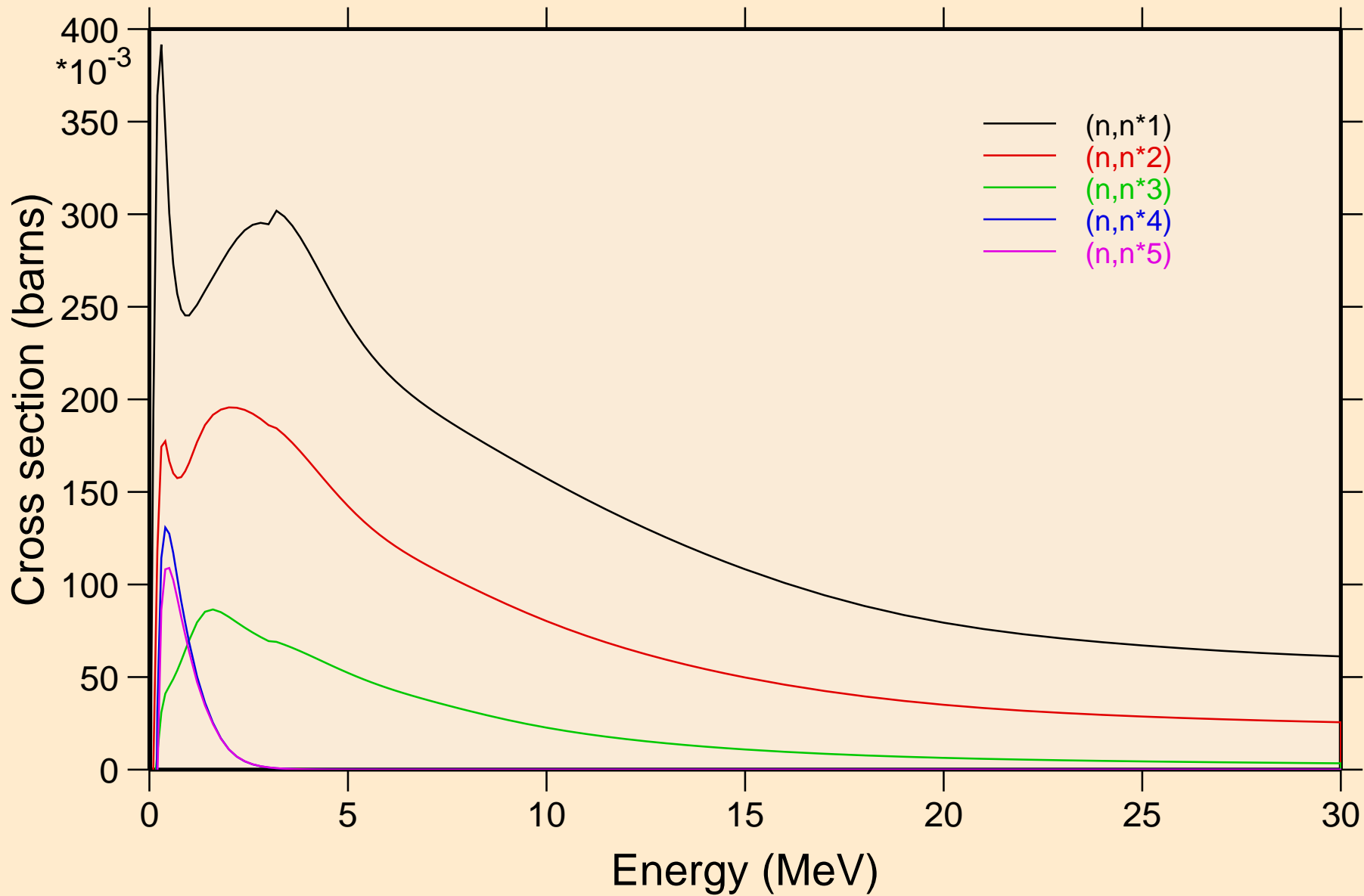


# TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

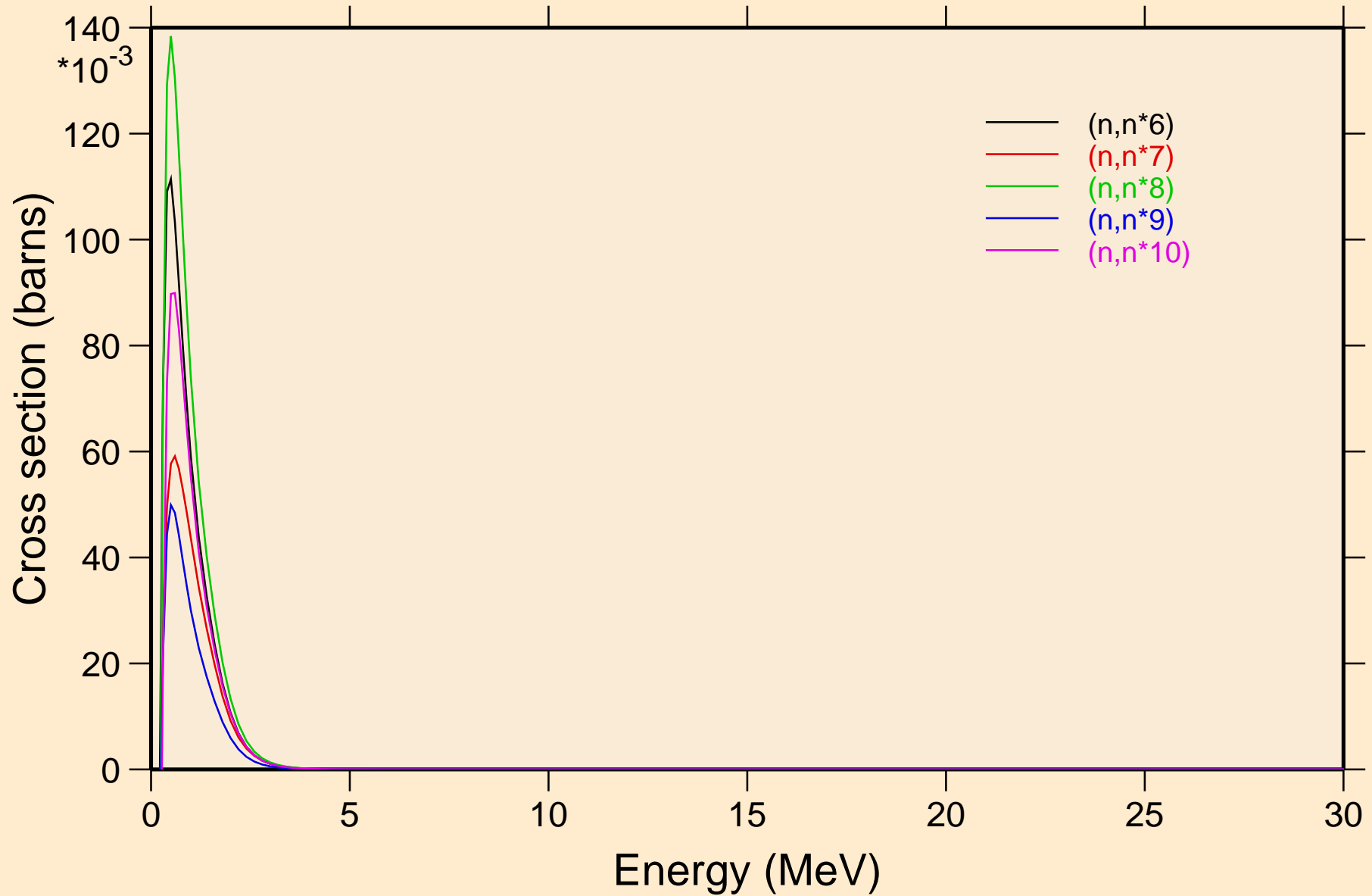
## Non-threshold reactions



TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

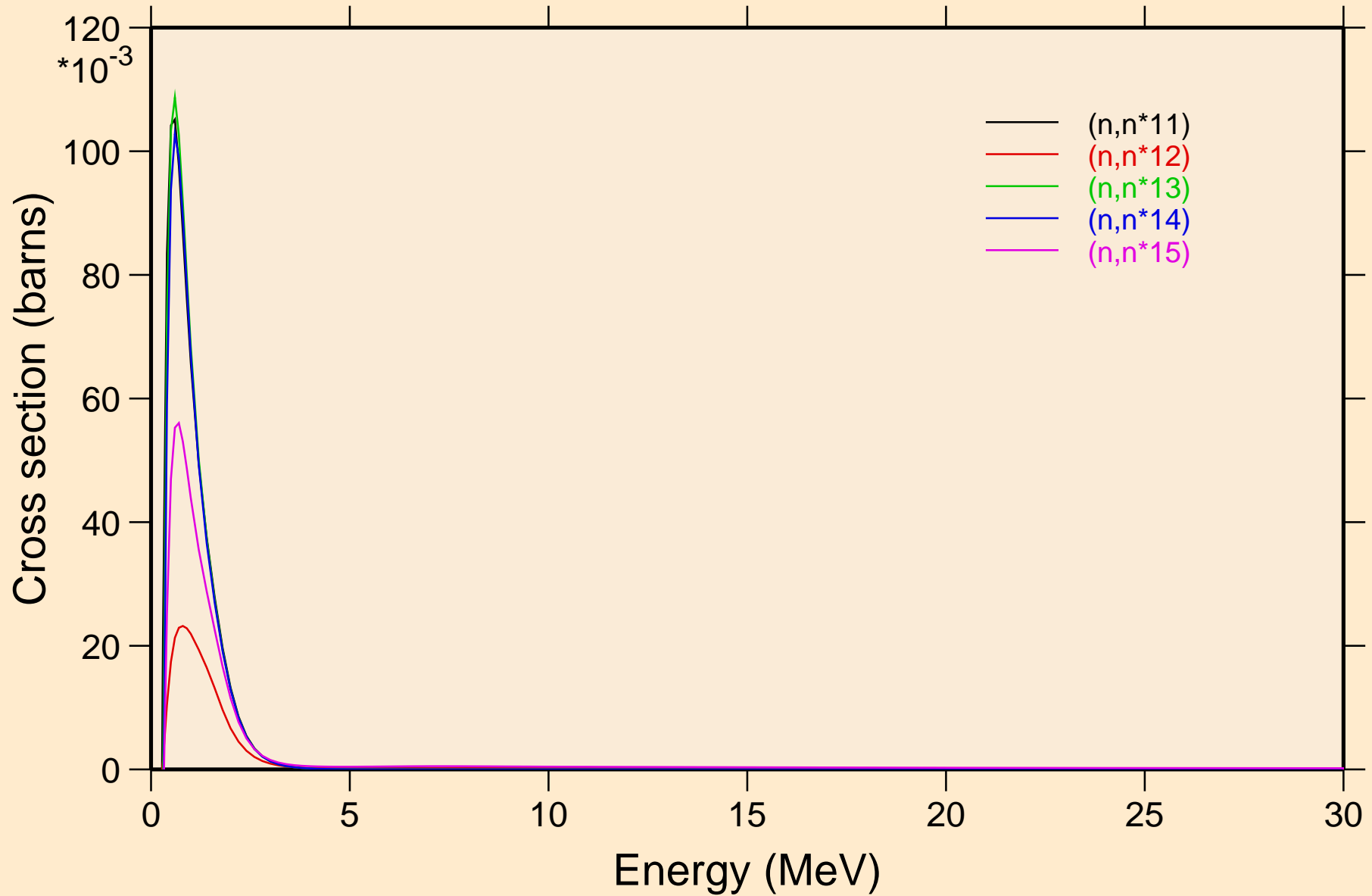


TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



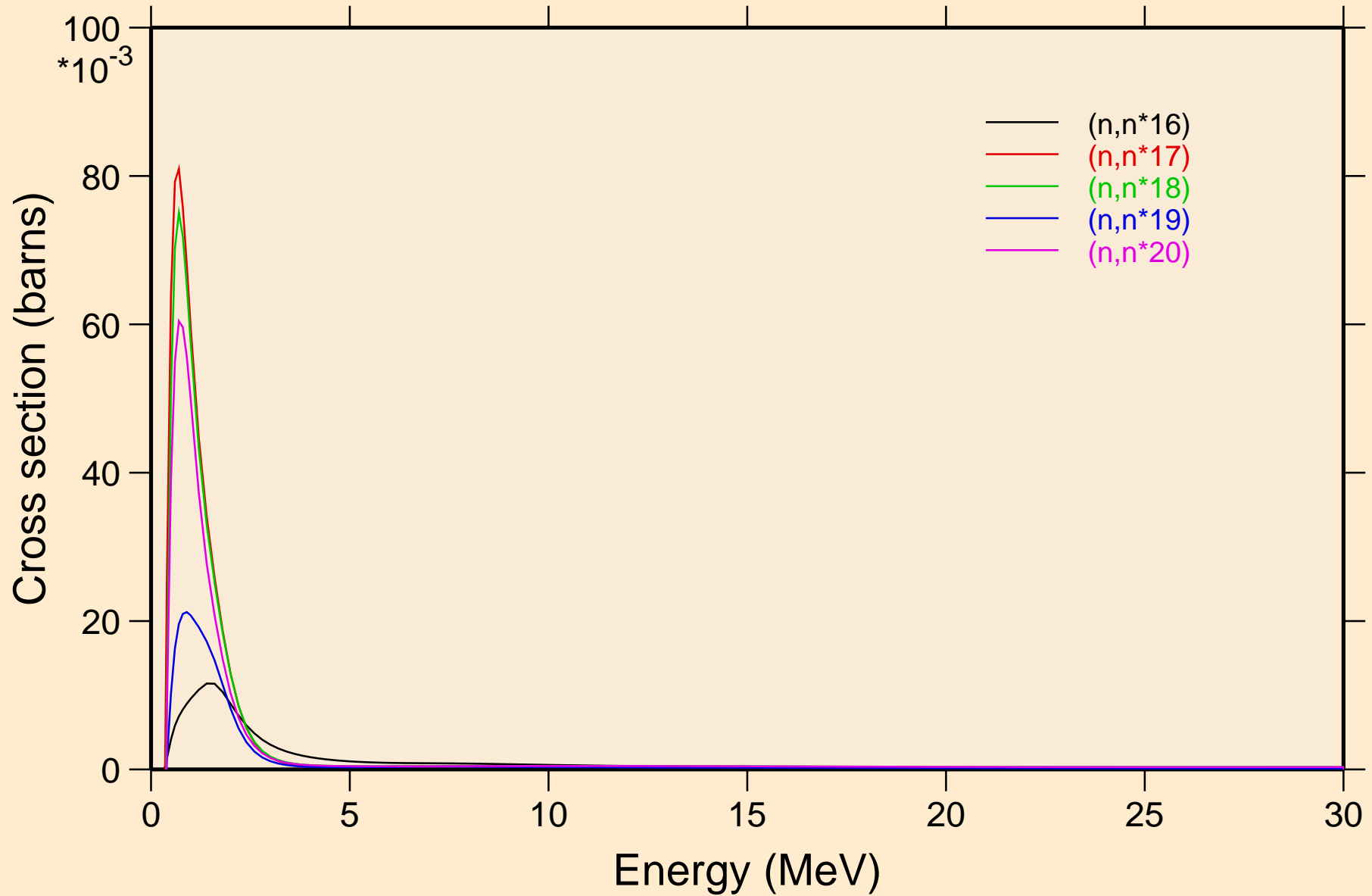


TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

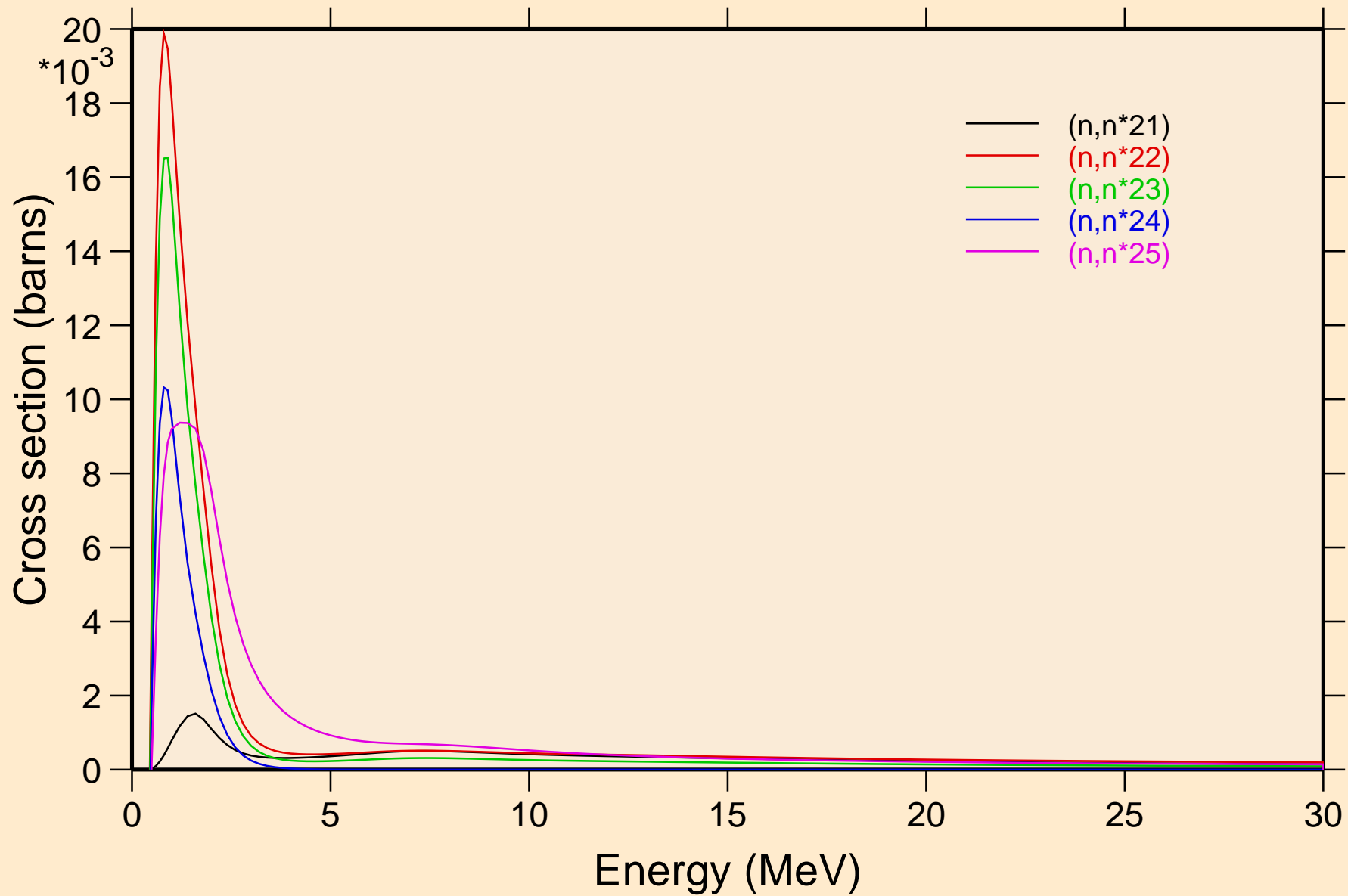


# TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

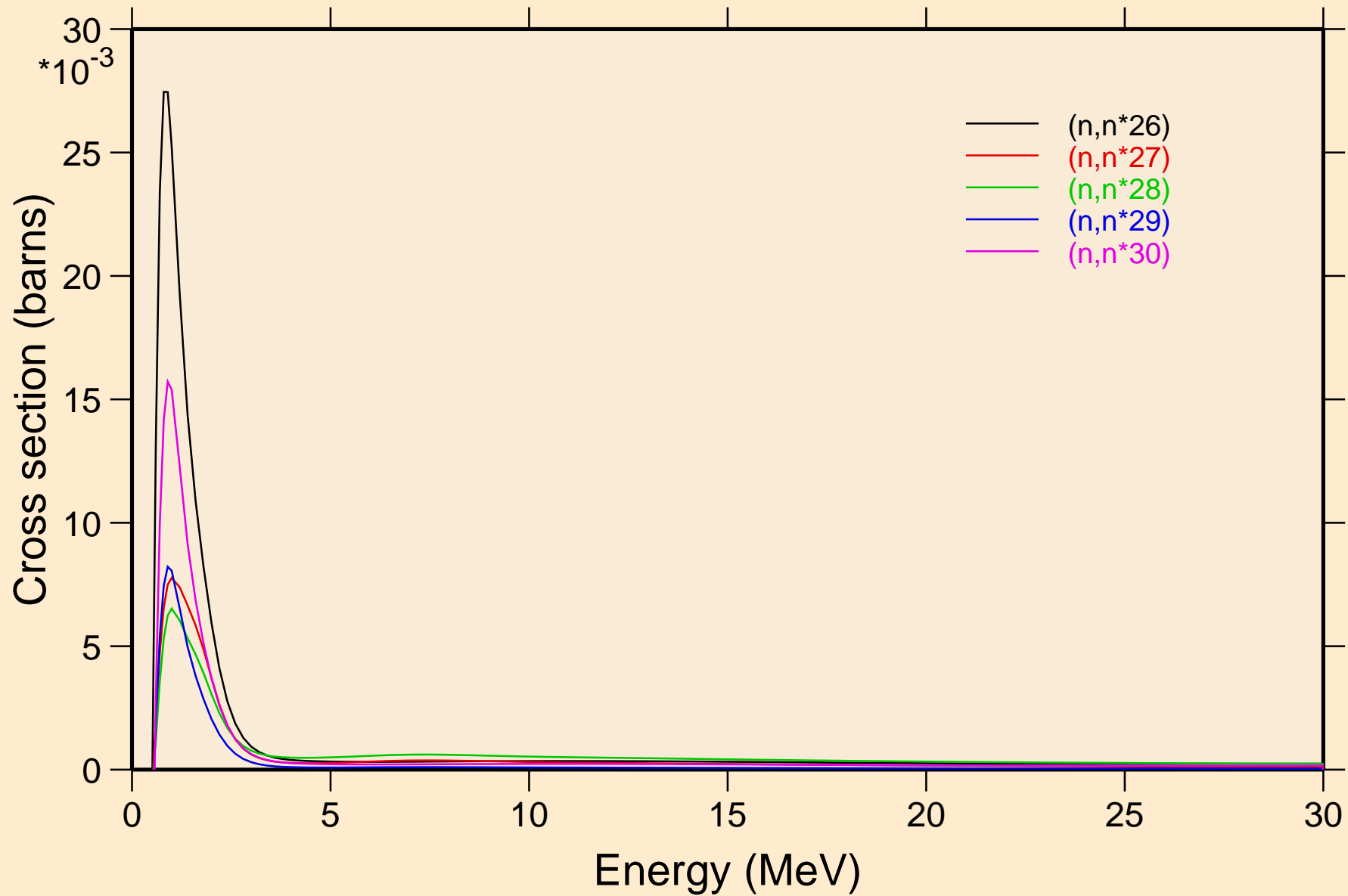
## Inelastic levels



TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

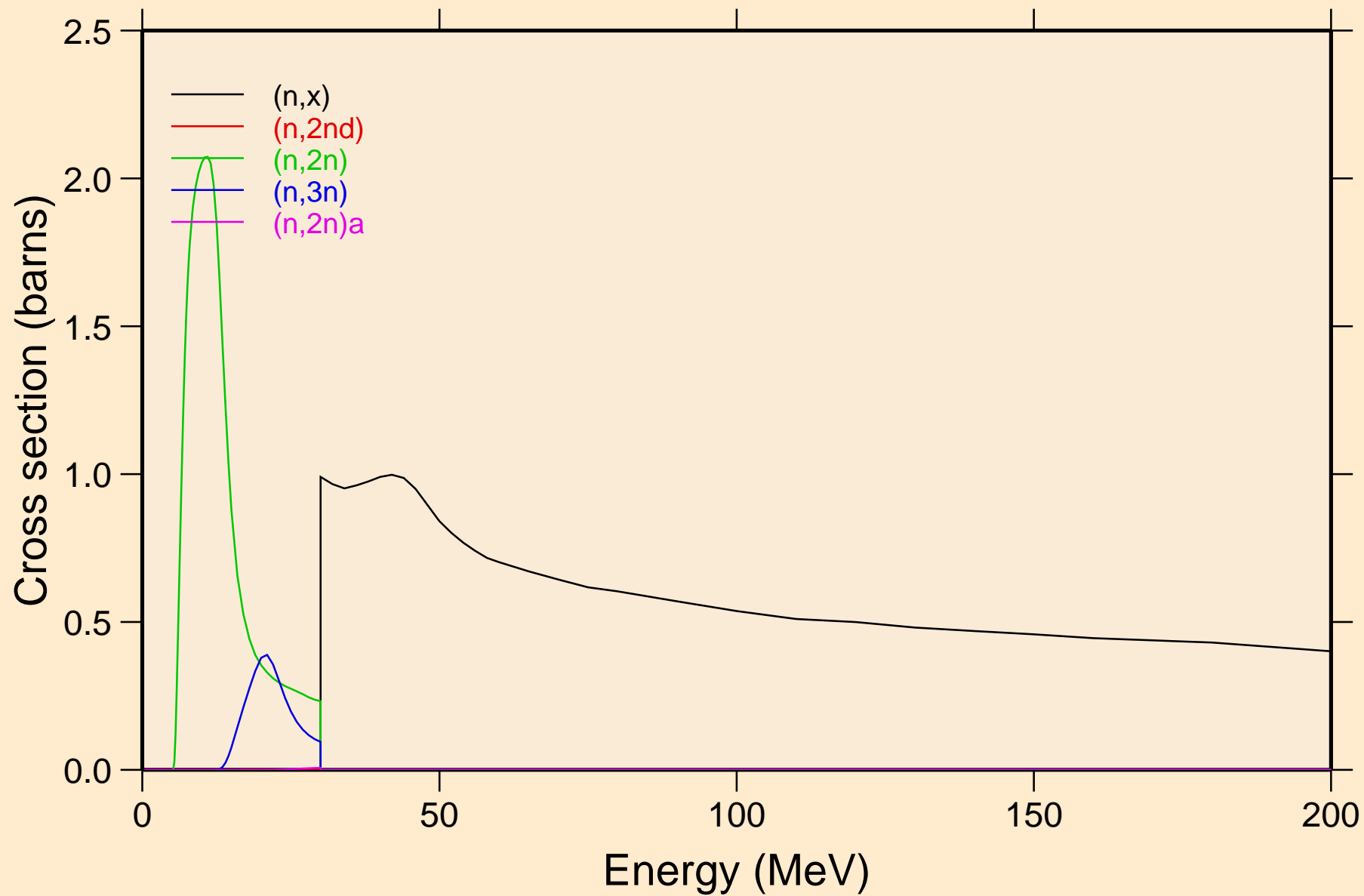


TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



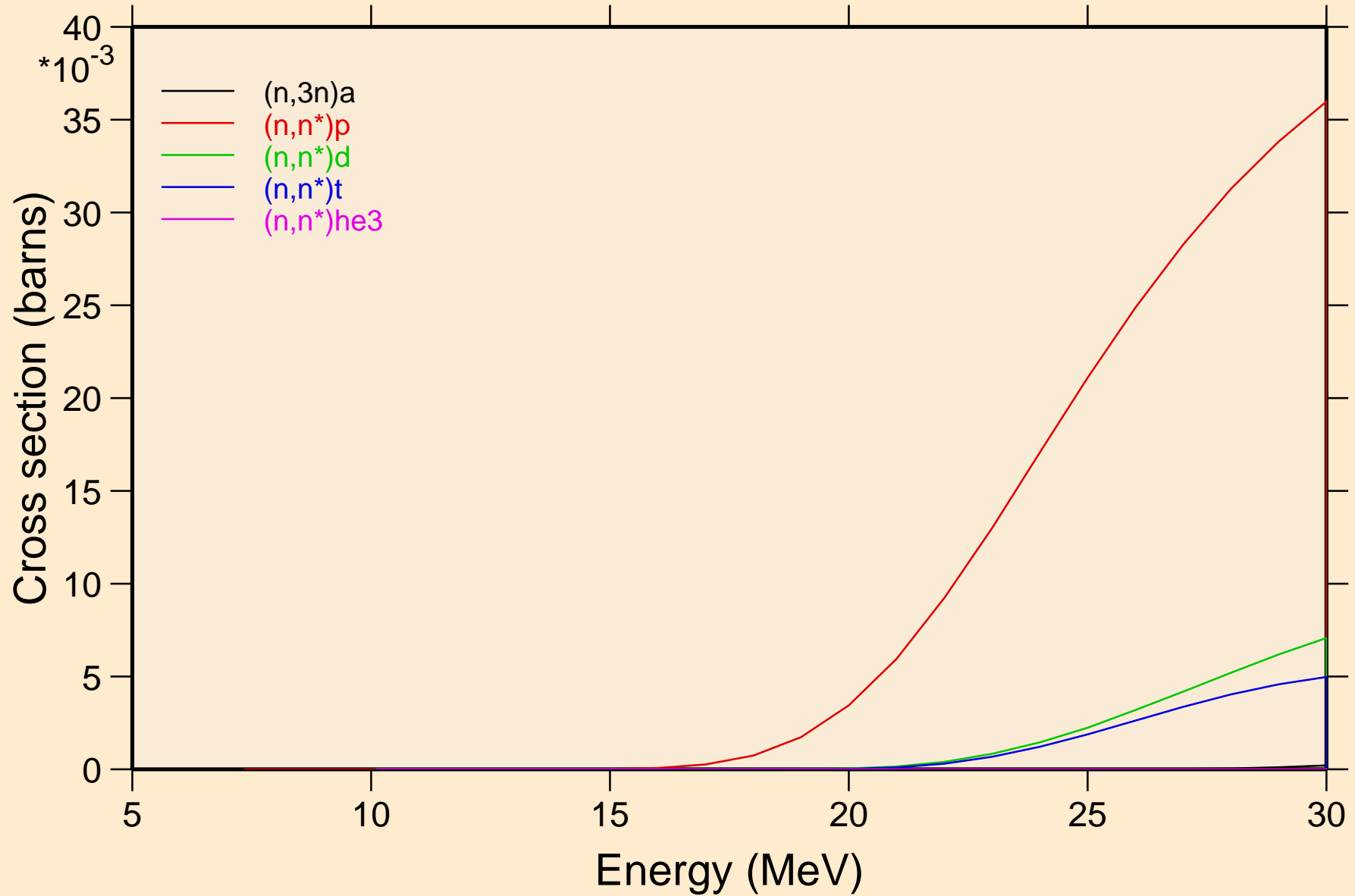
# TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

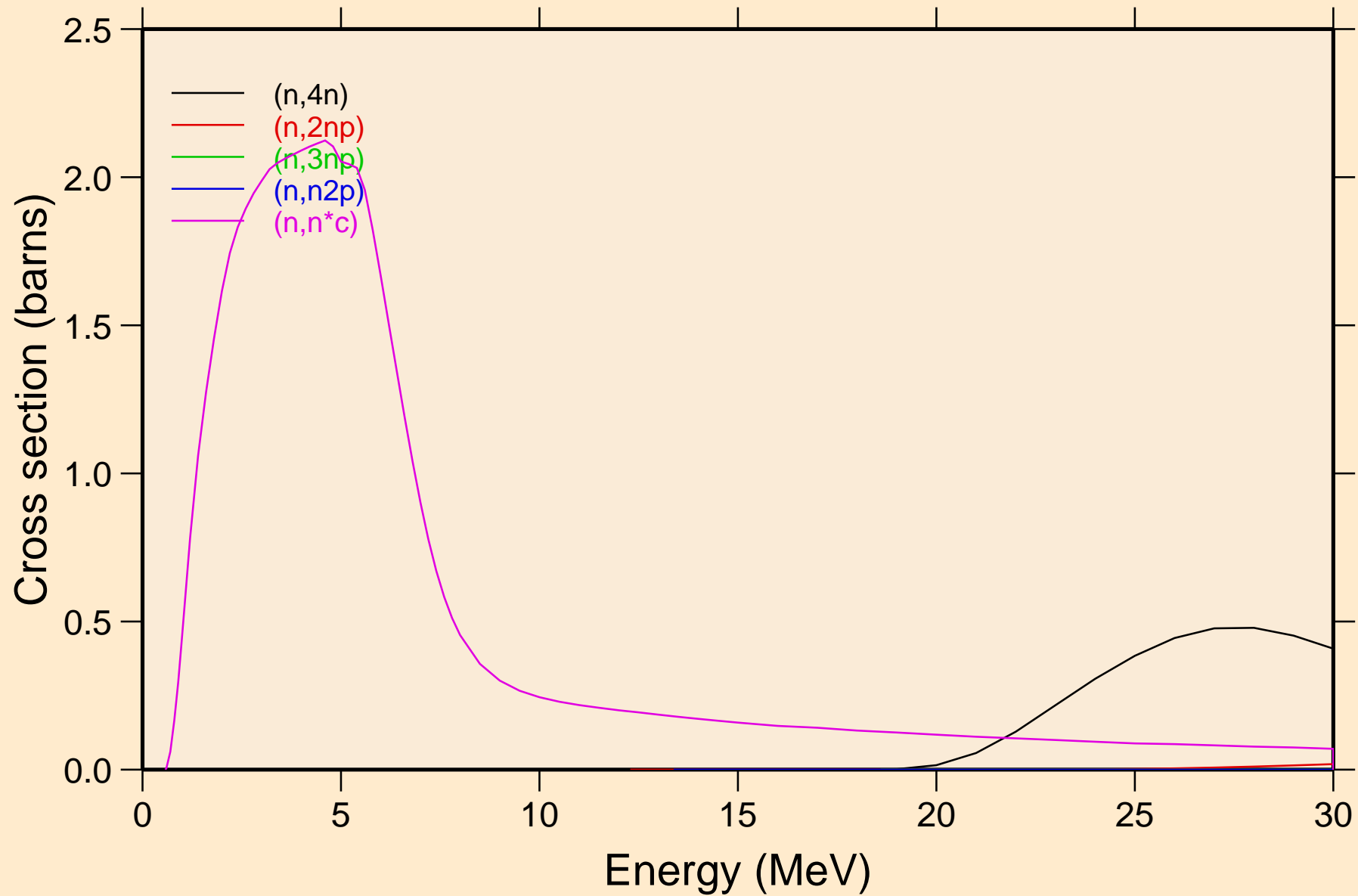


# TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

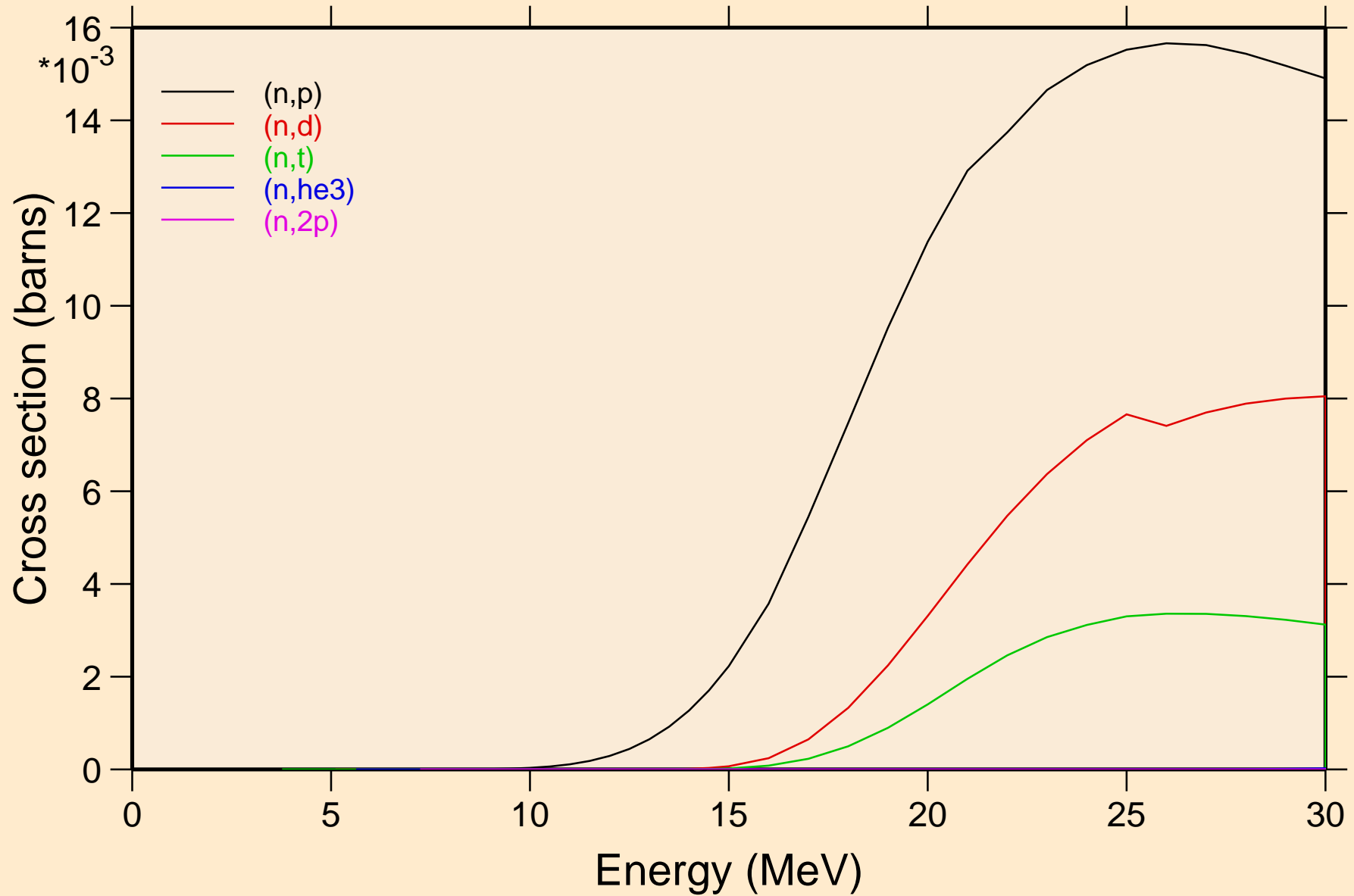
## Threshold reactions



TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



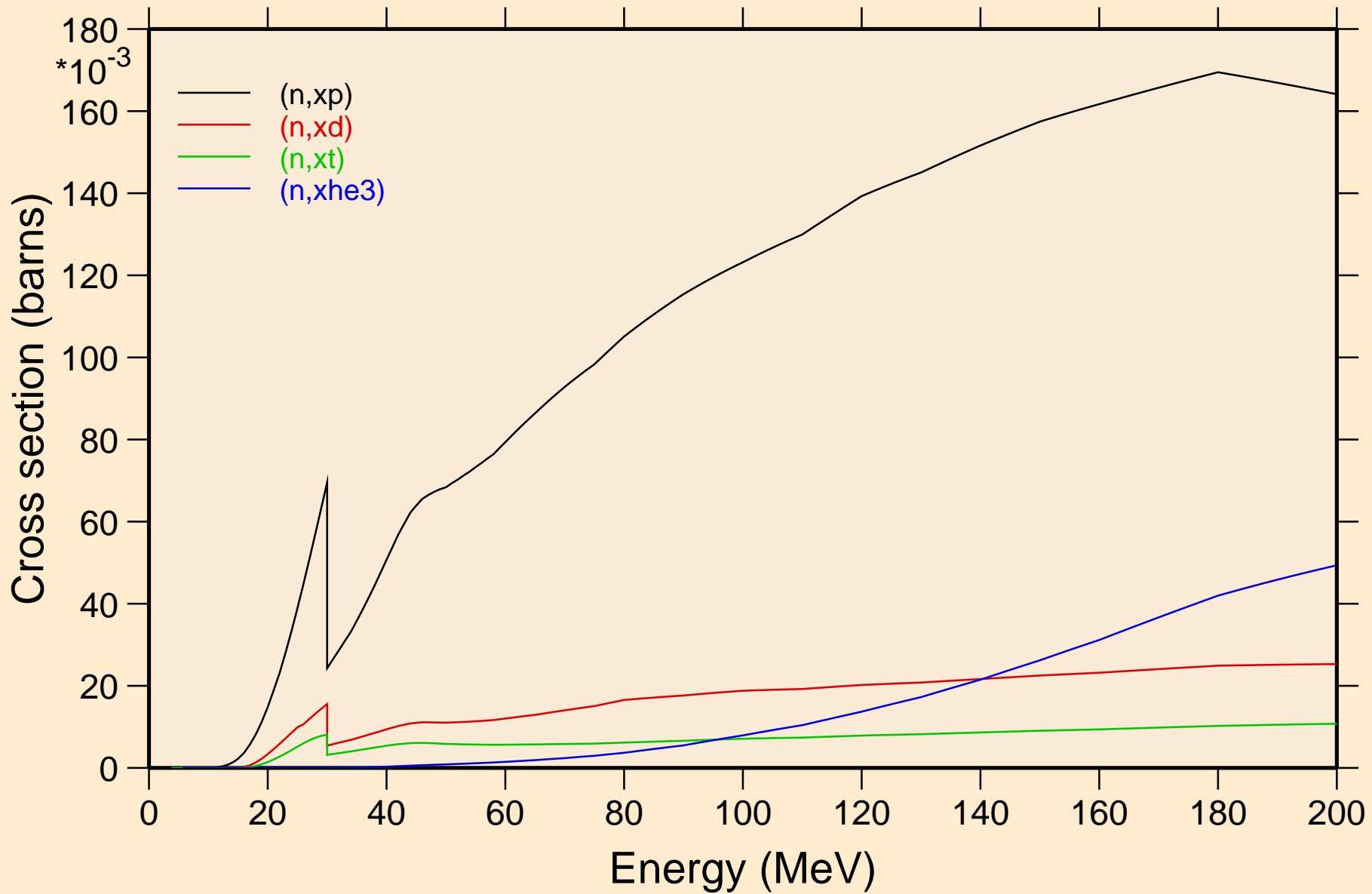
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



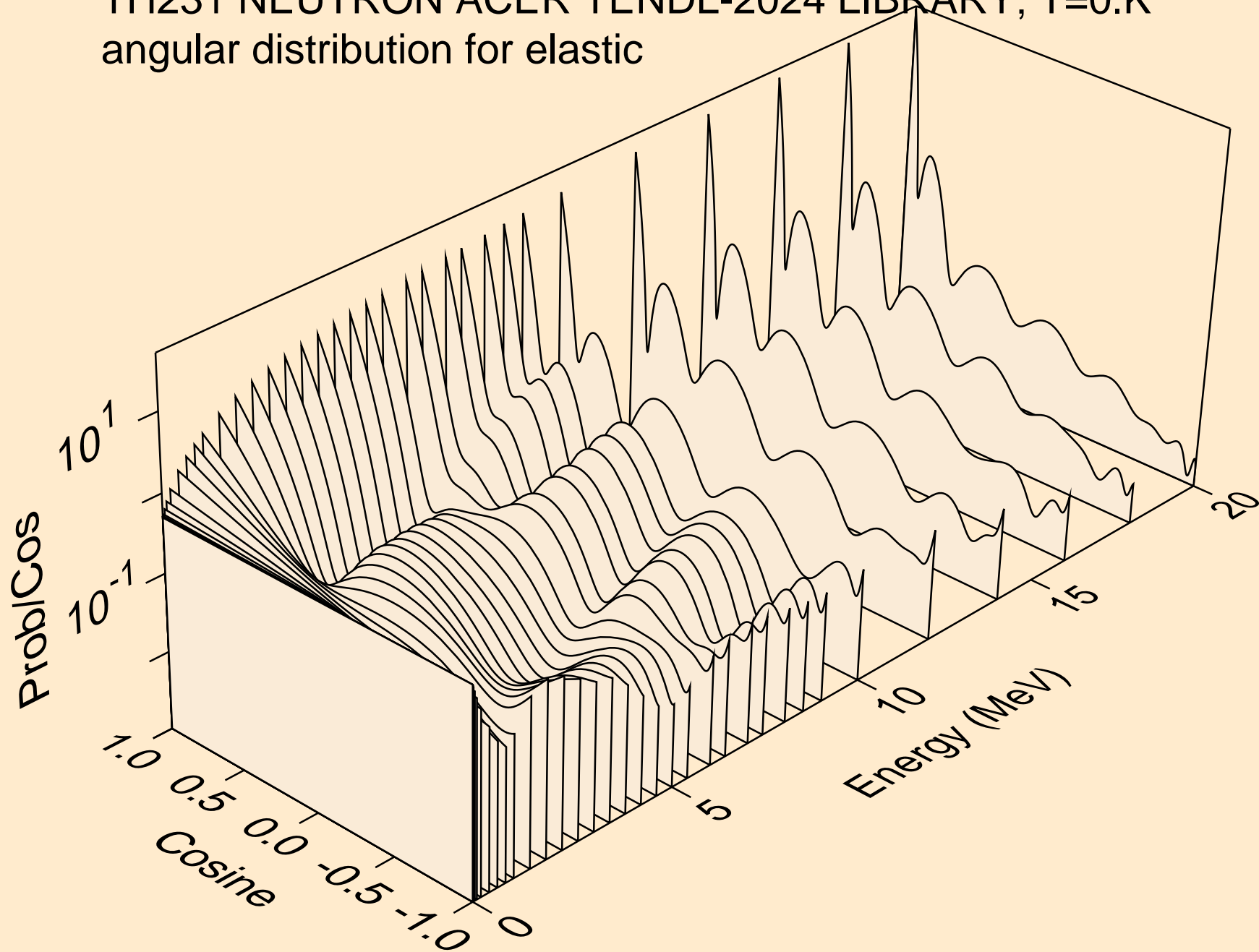


# TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

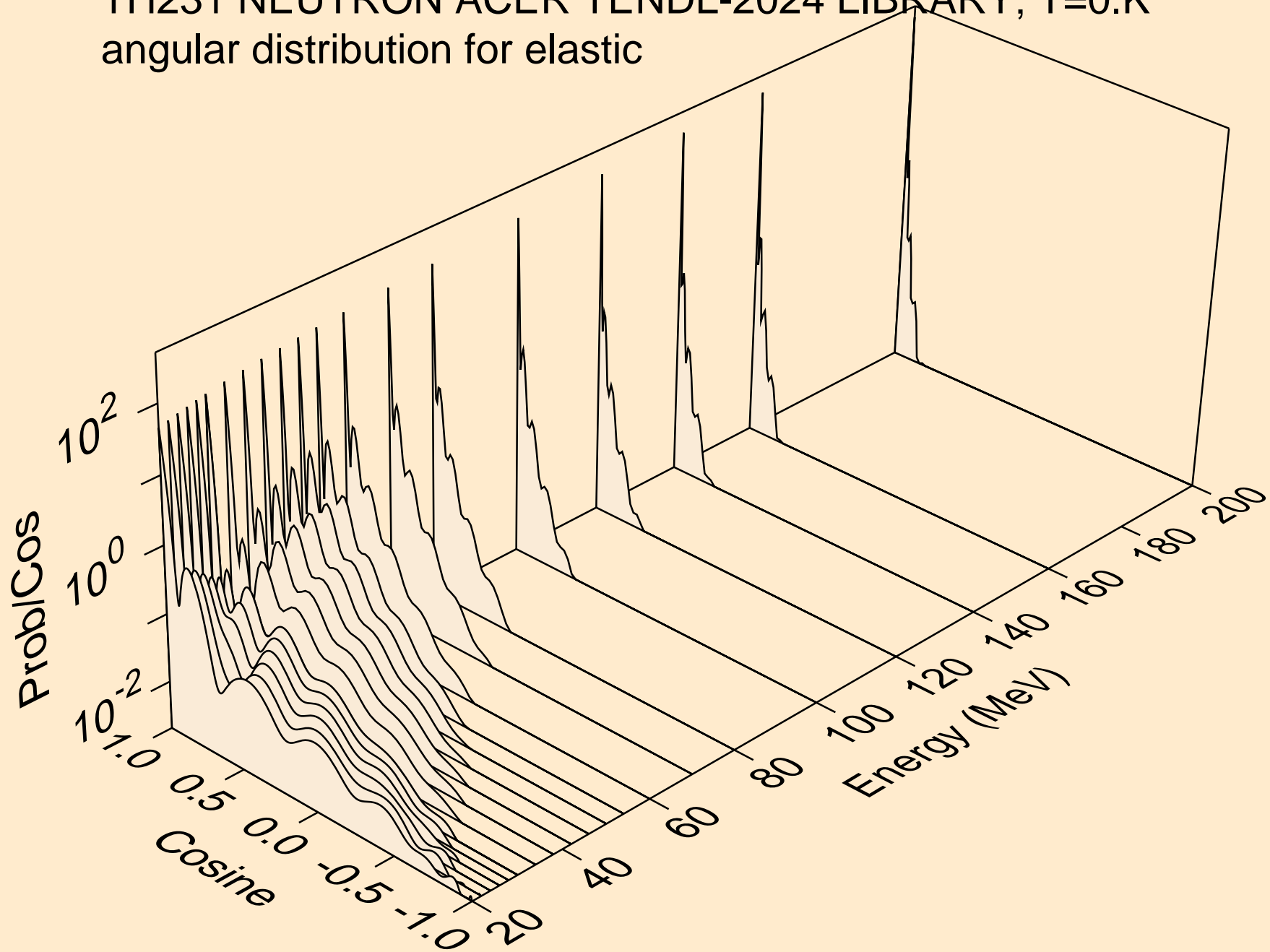
## Threshold reactions



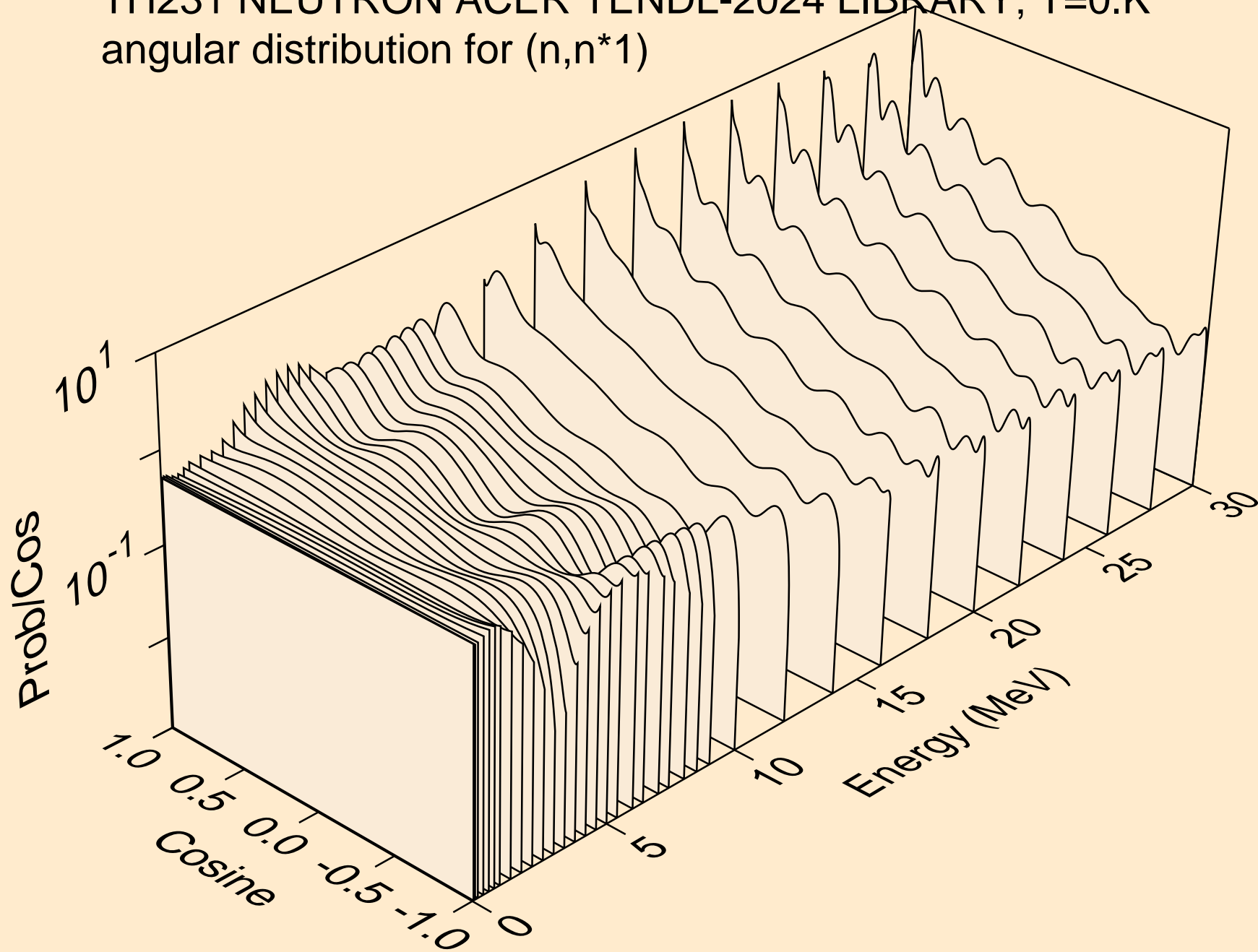
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



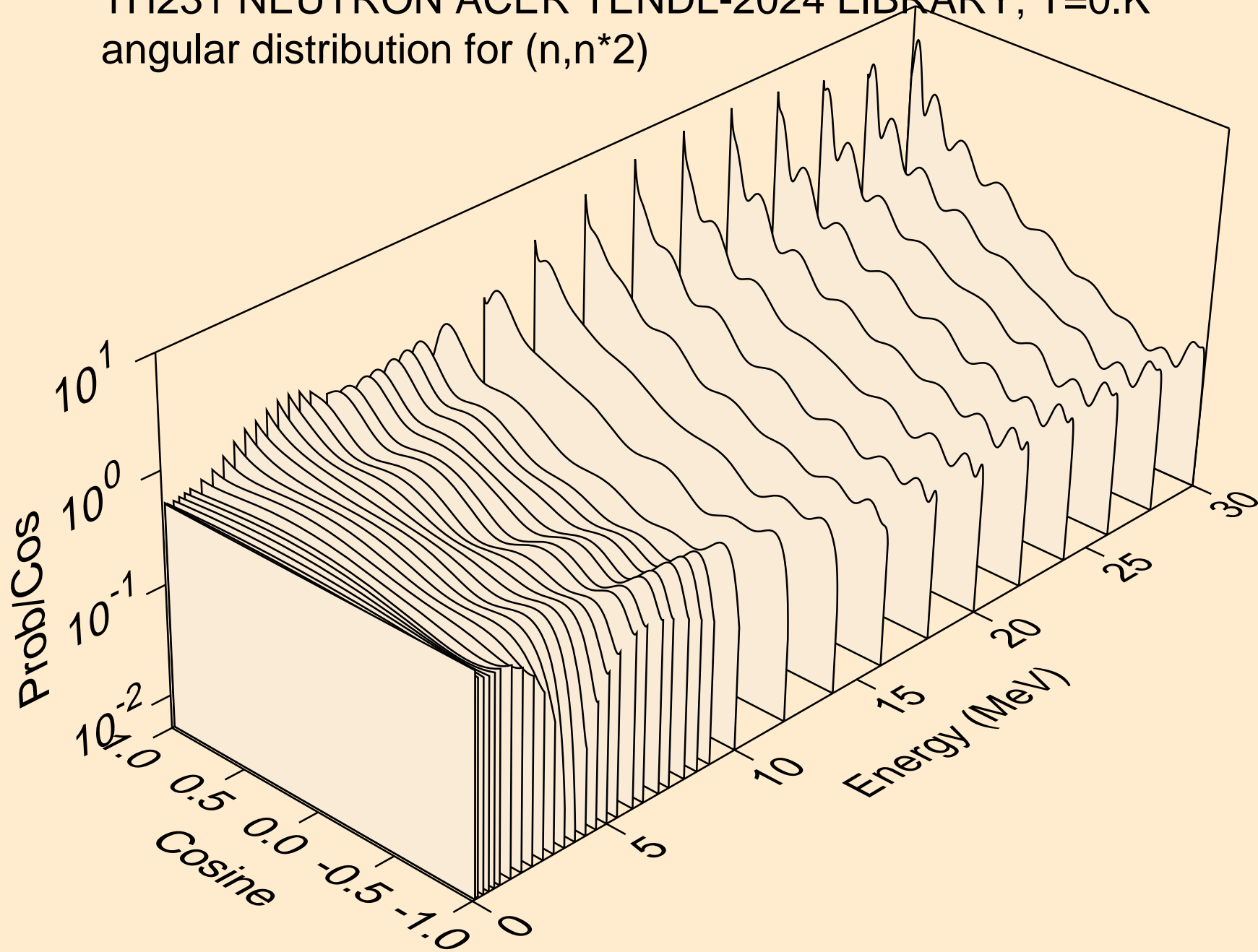
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



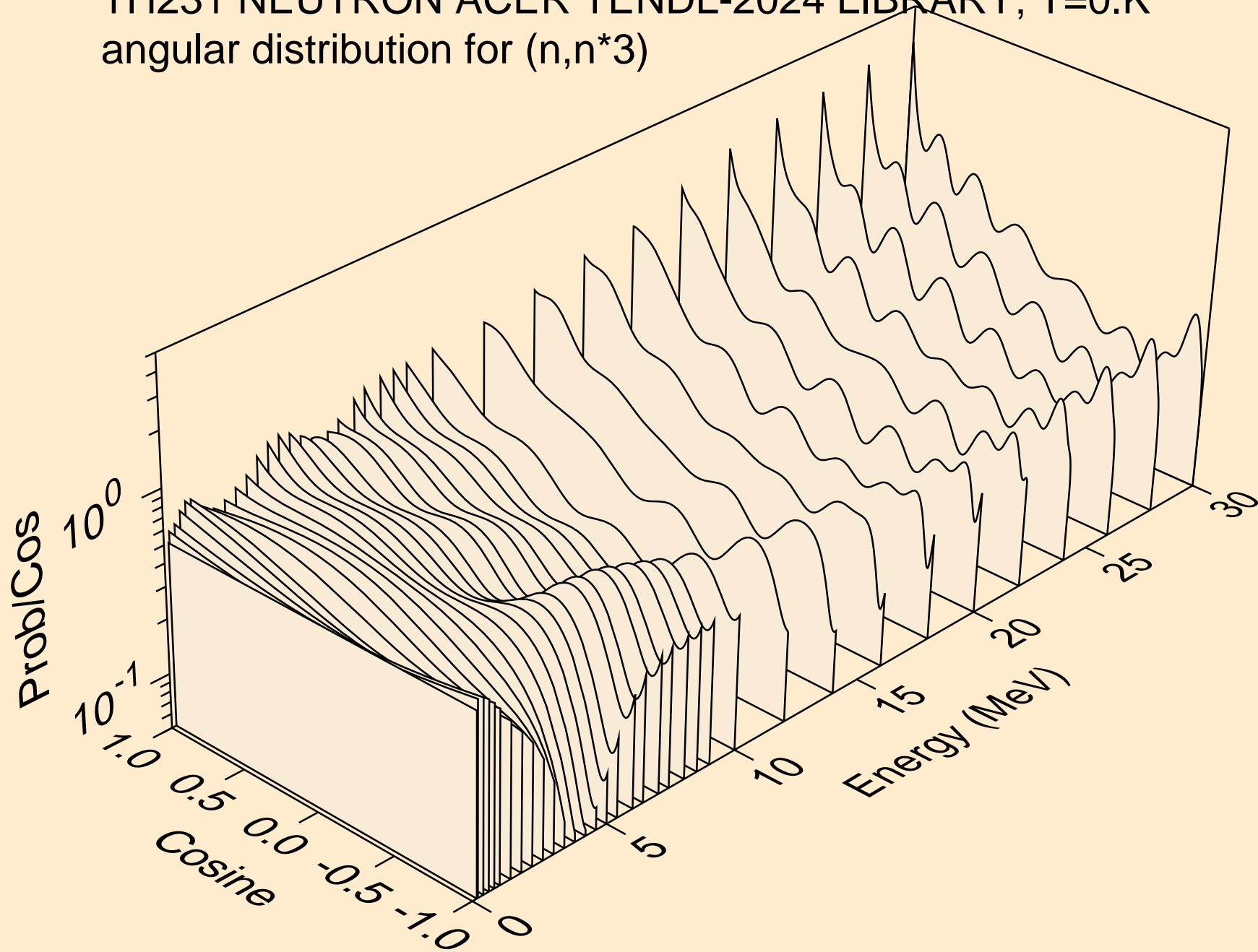
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



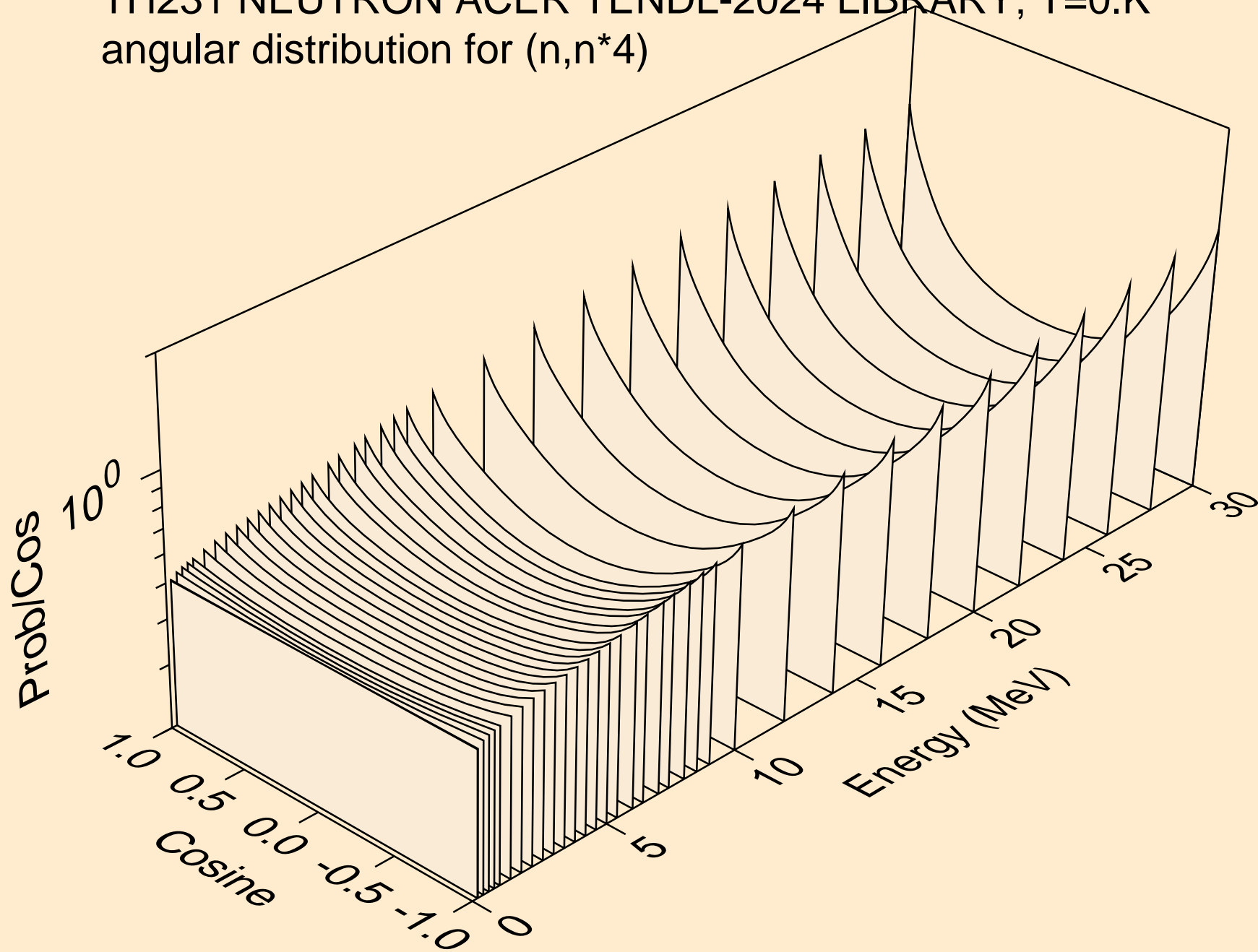
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



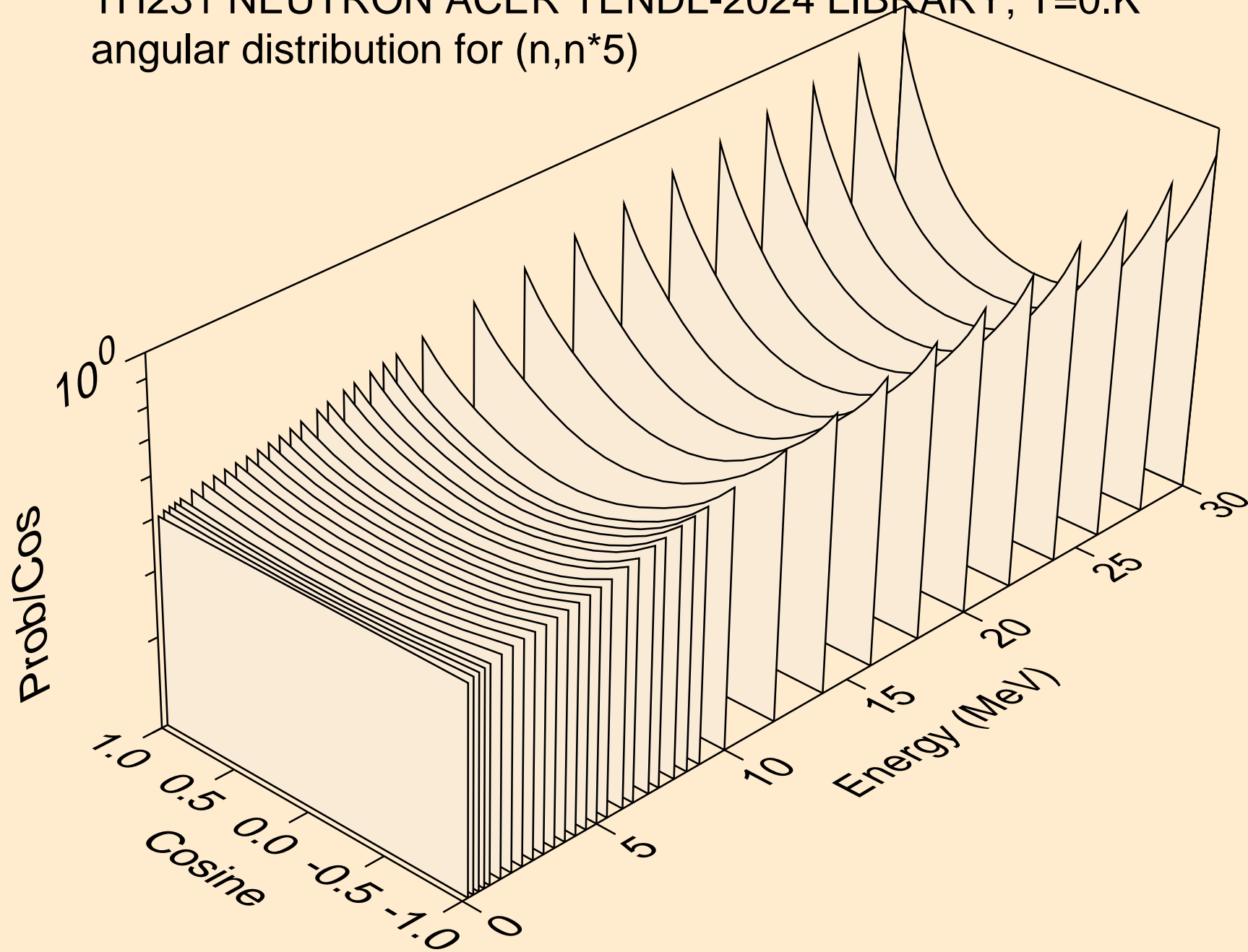
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)

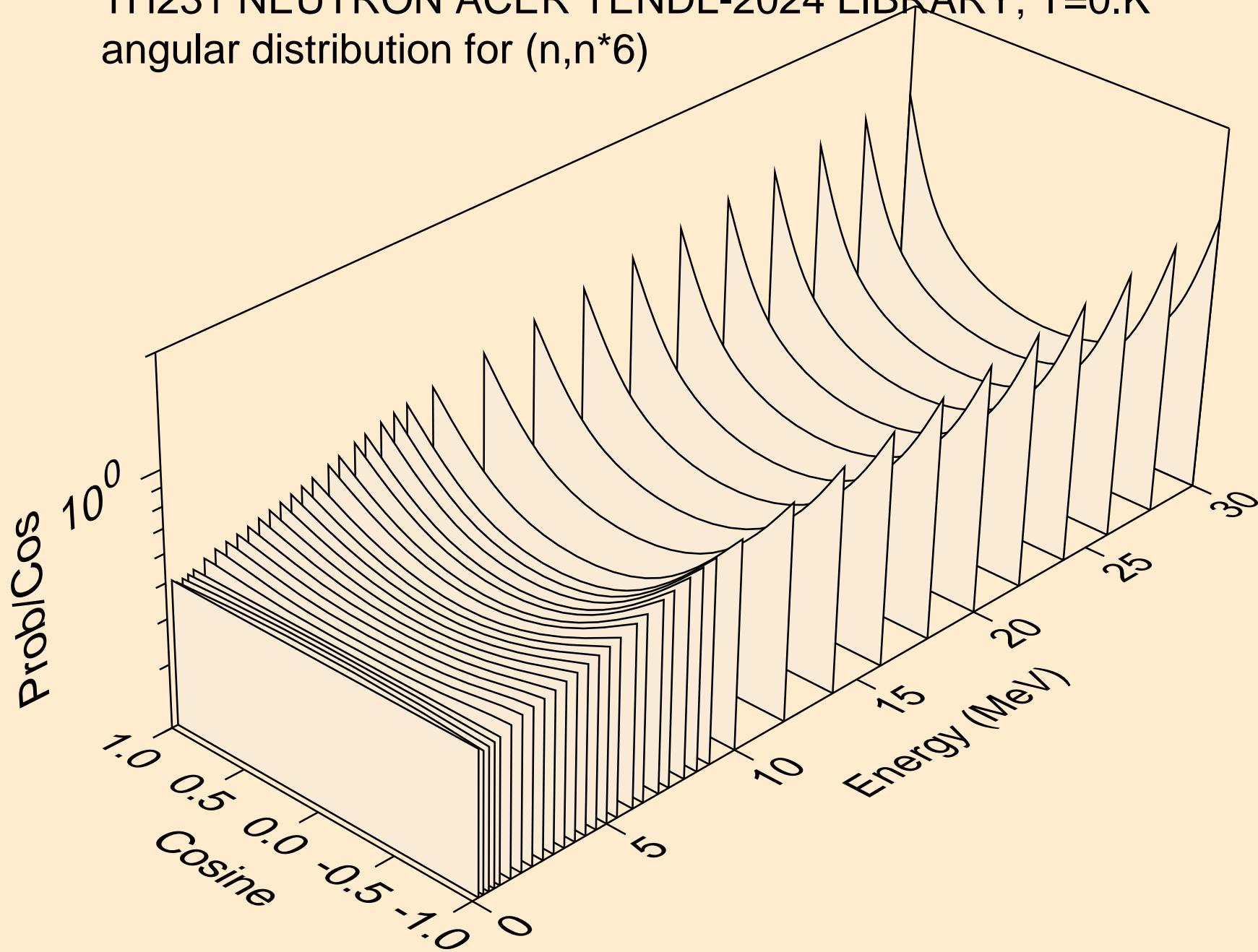


TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)

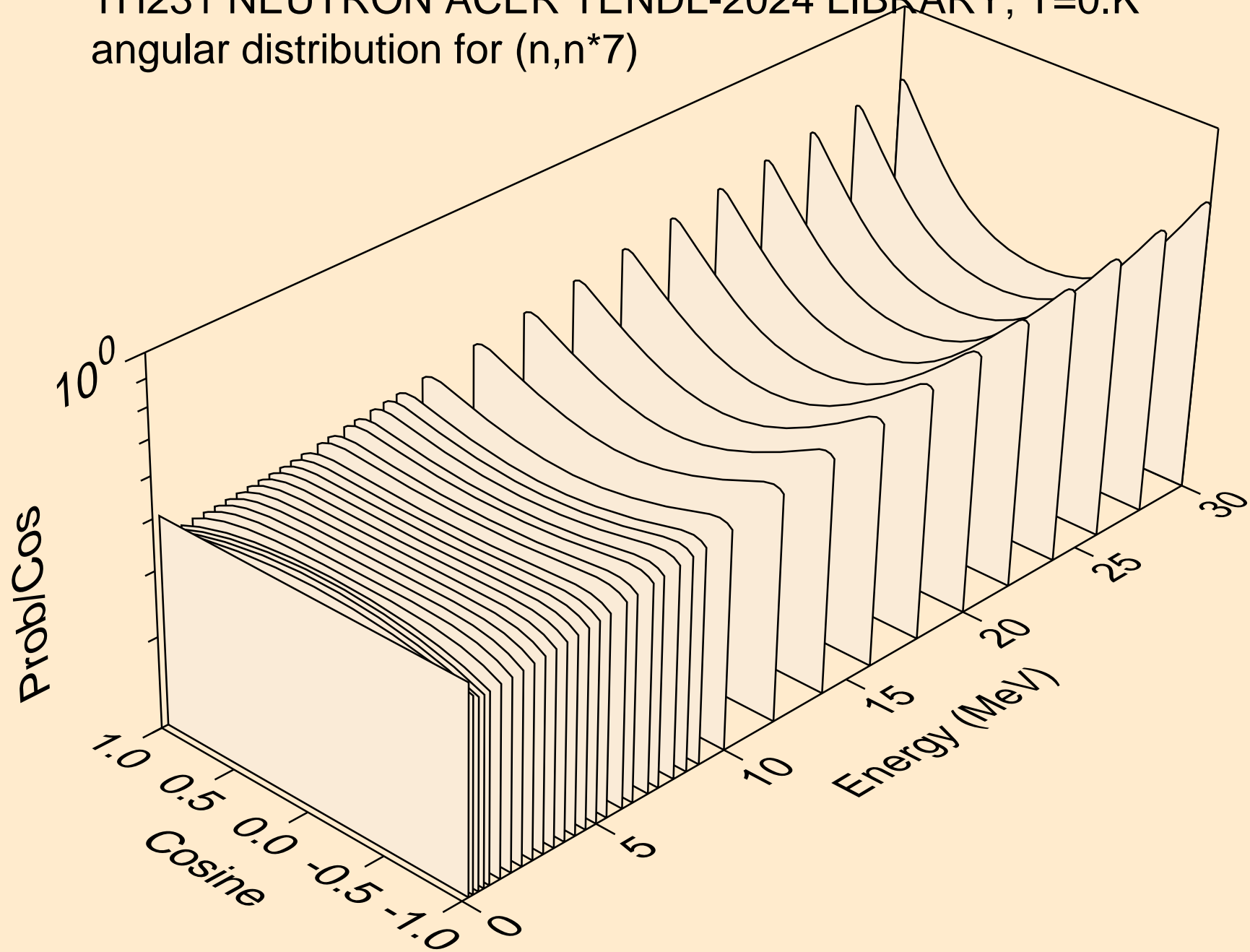




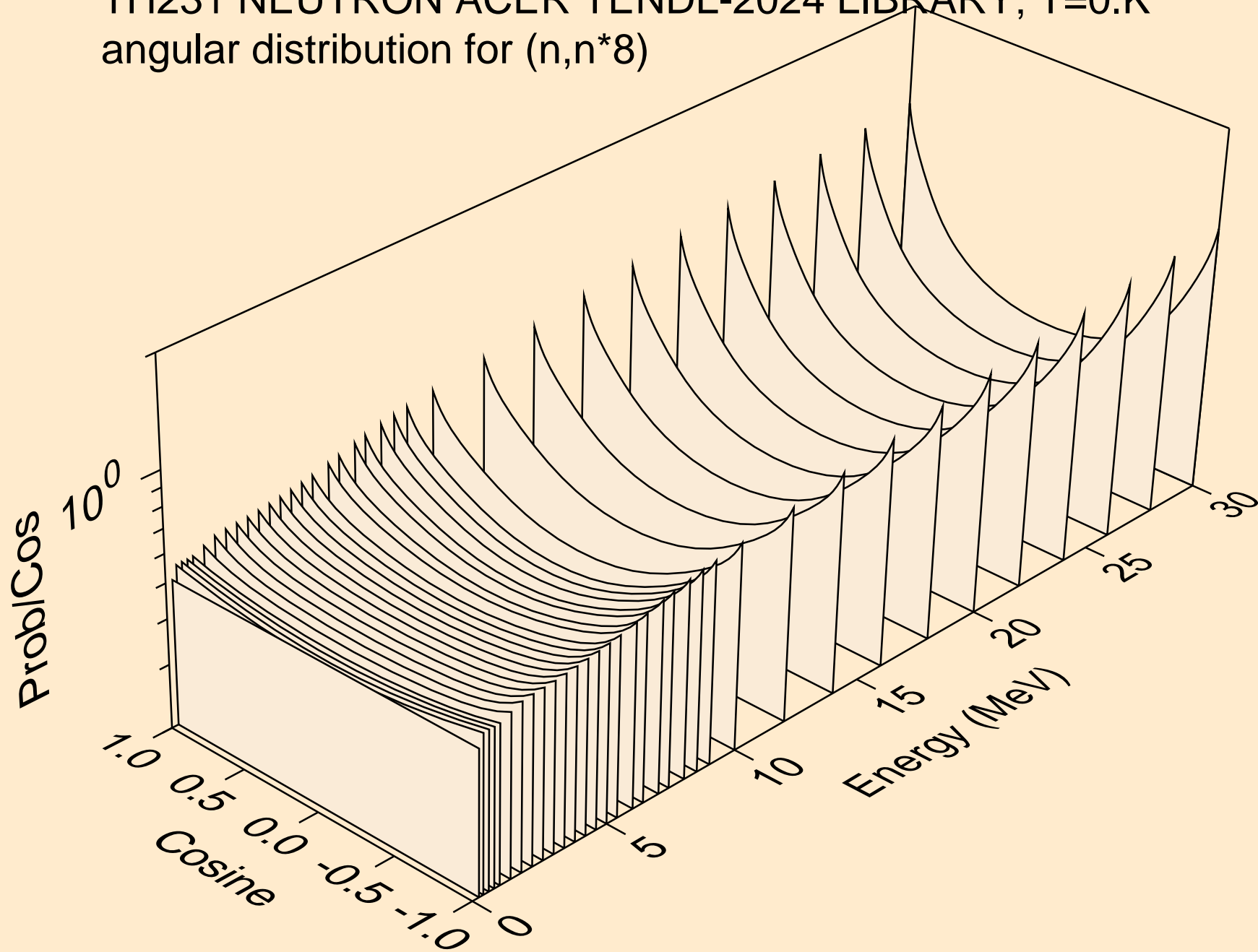
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



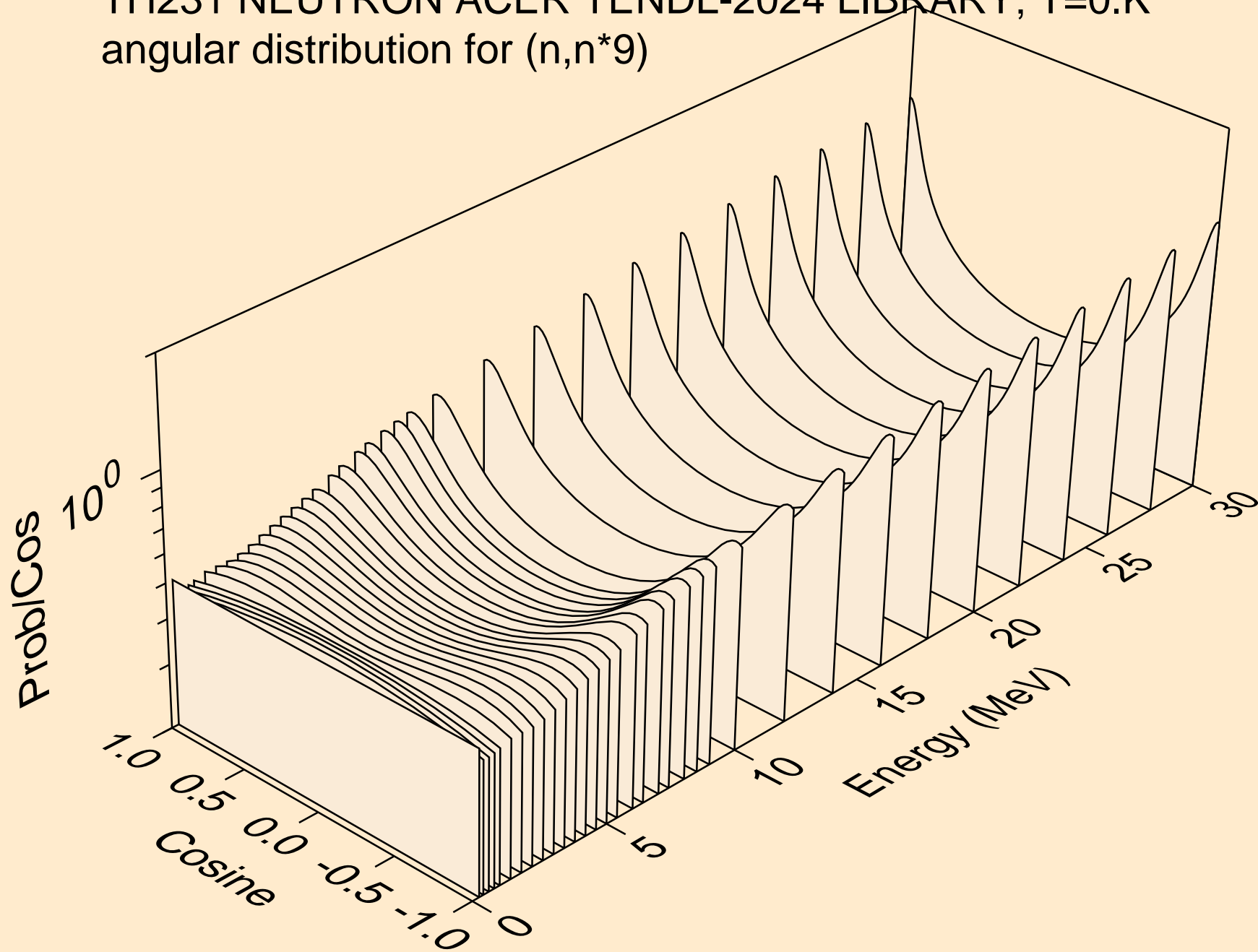
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



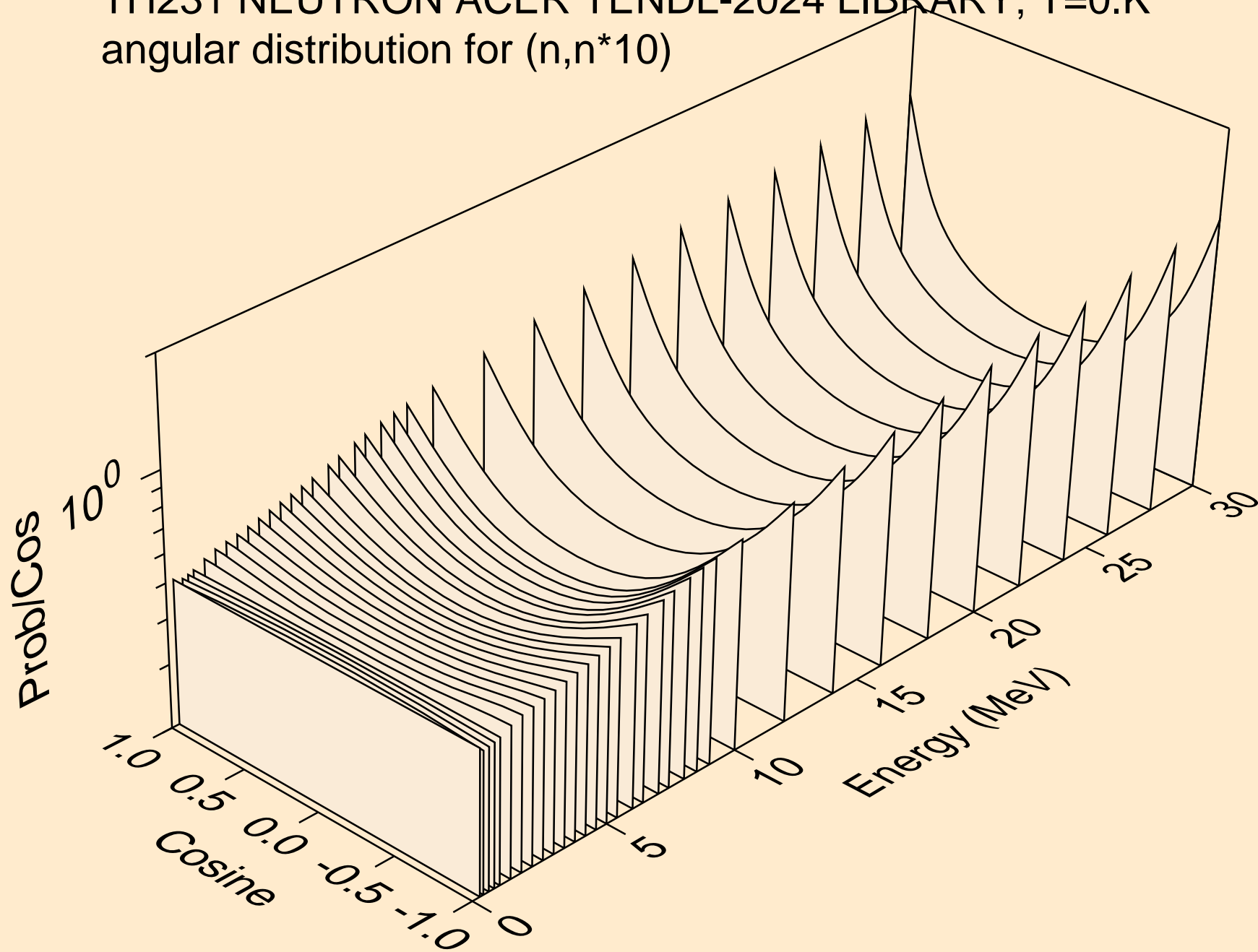
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



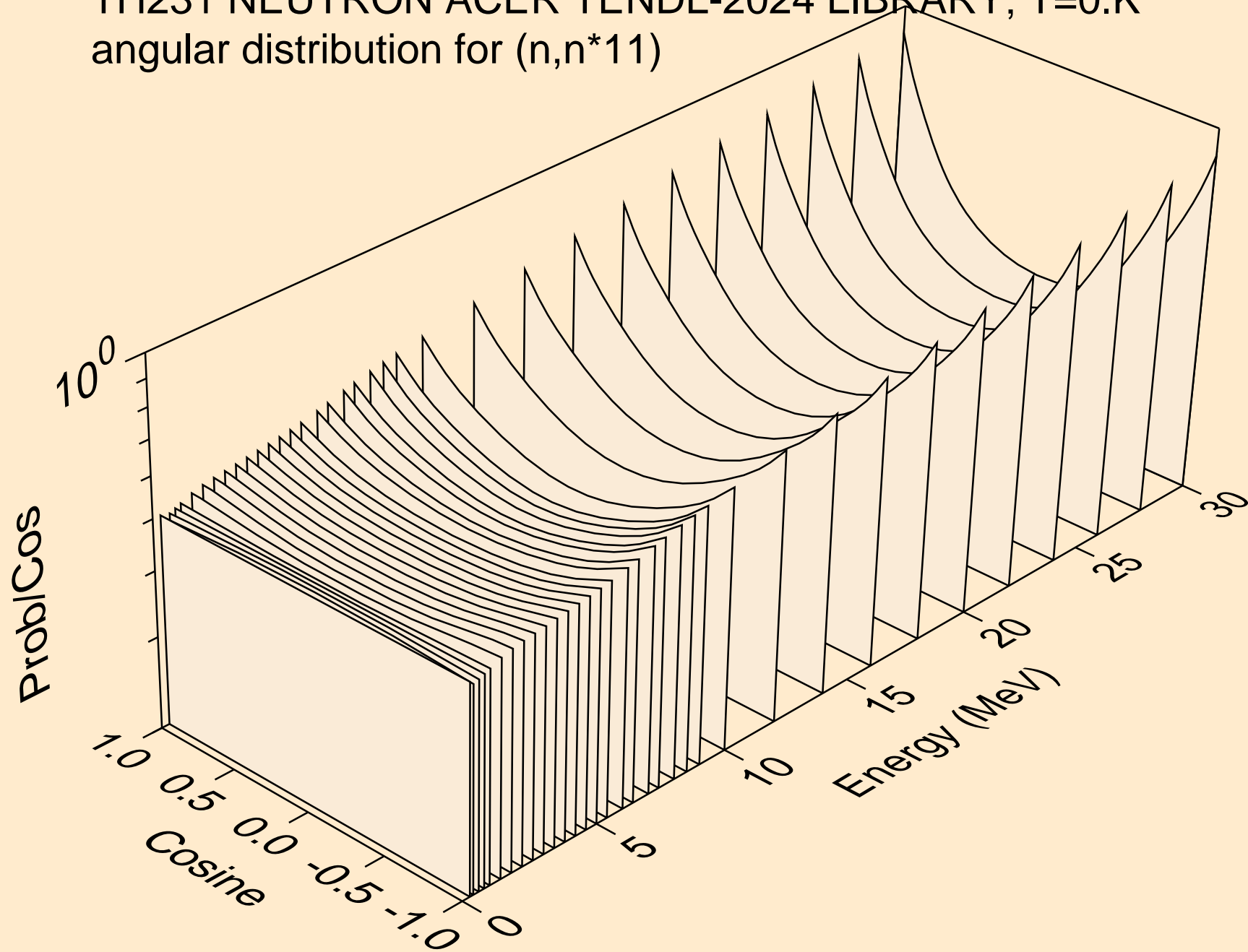
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



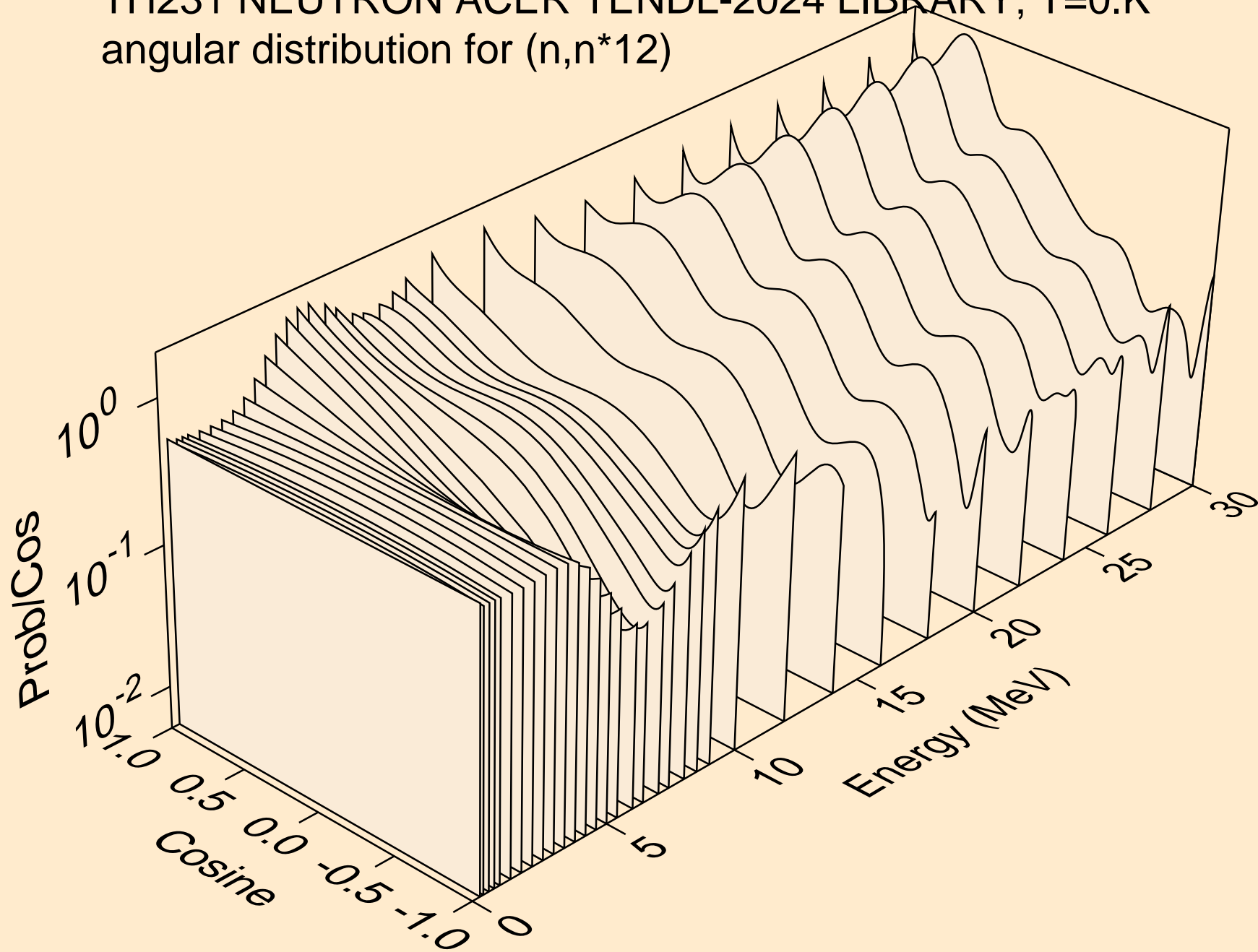
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



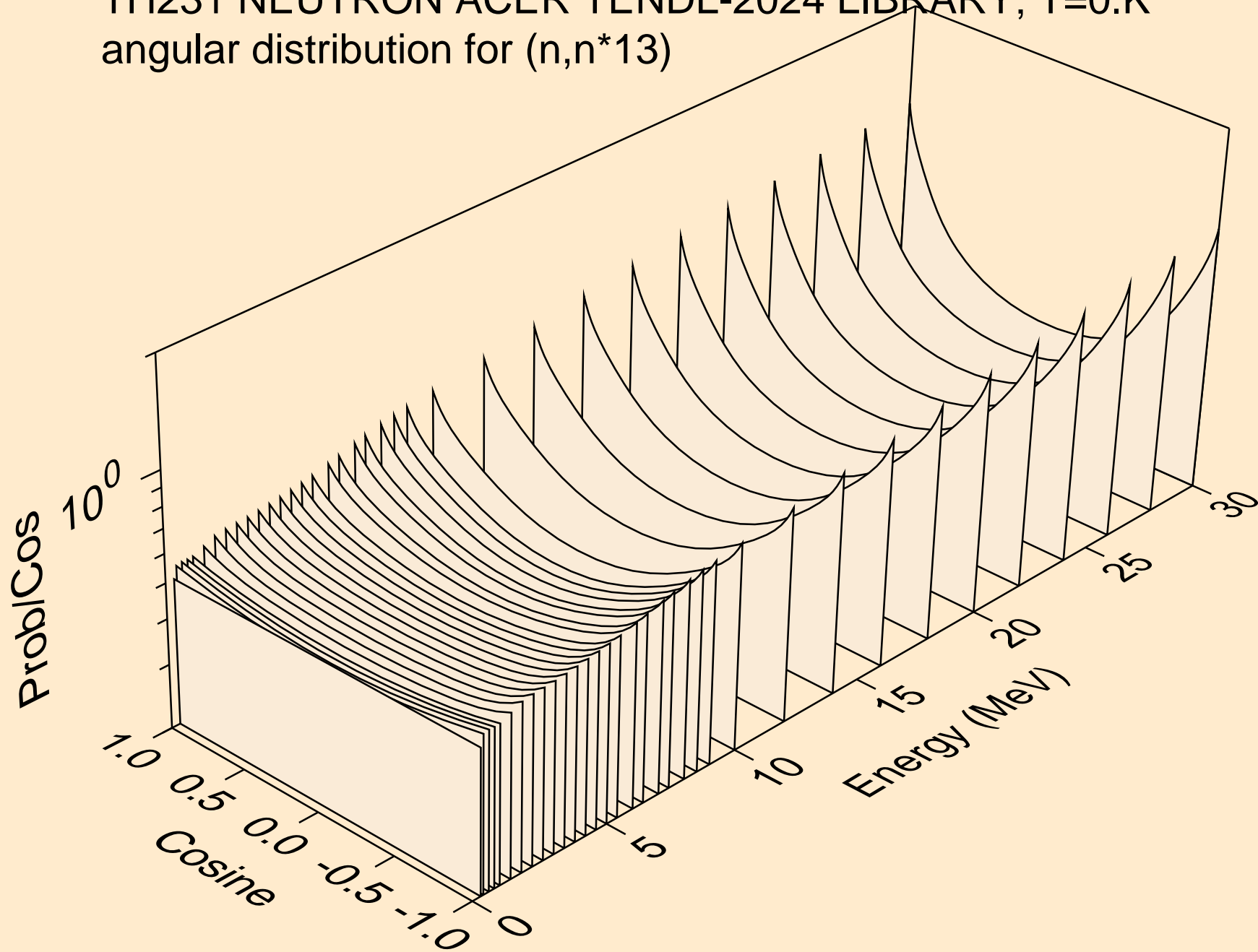
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)

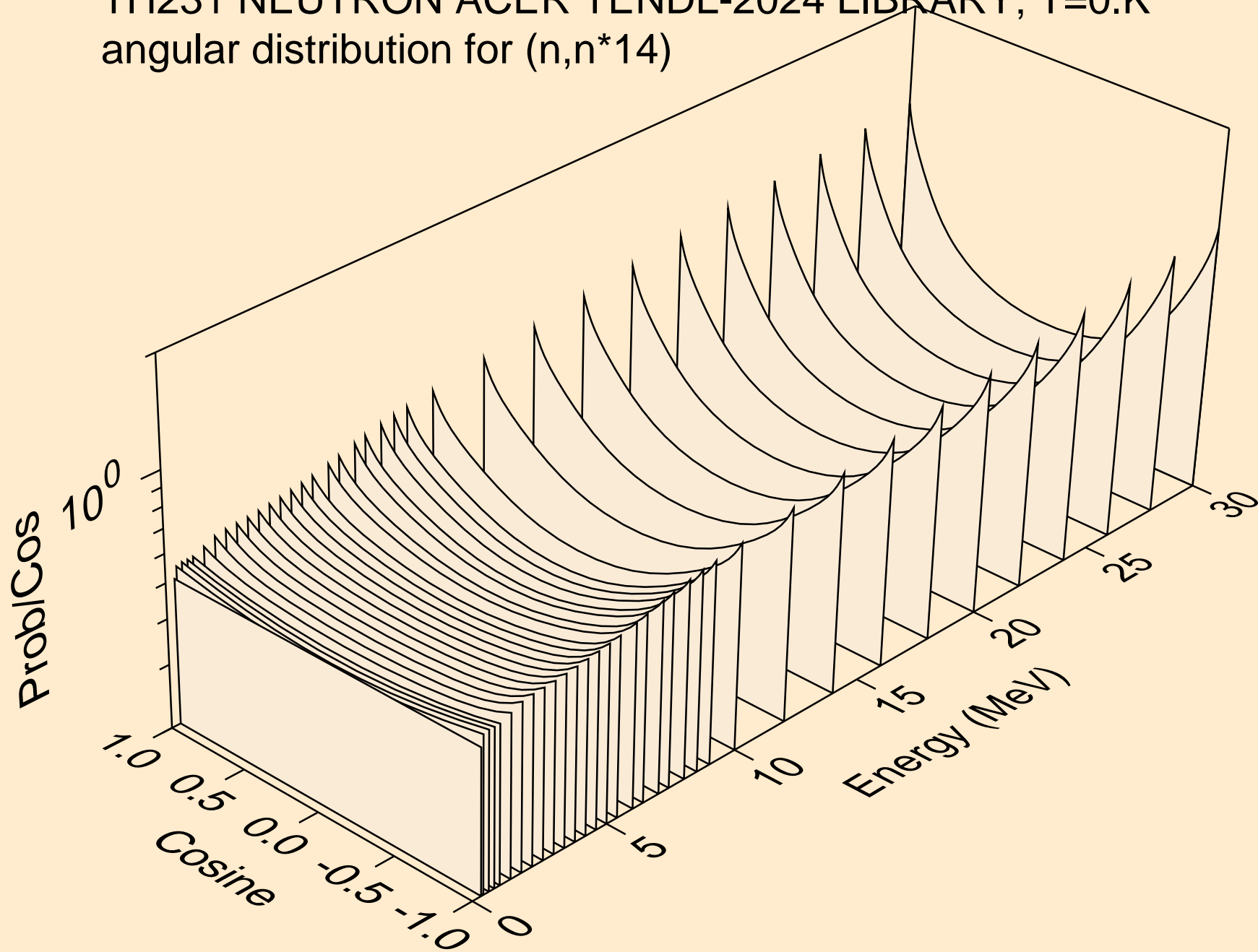


TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*13)

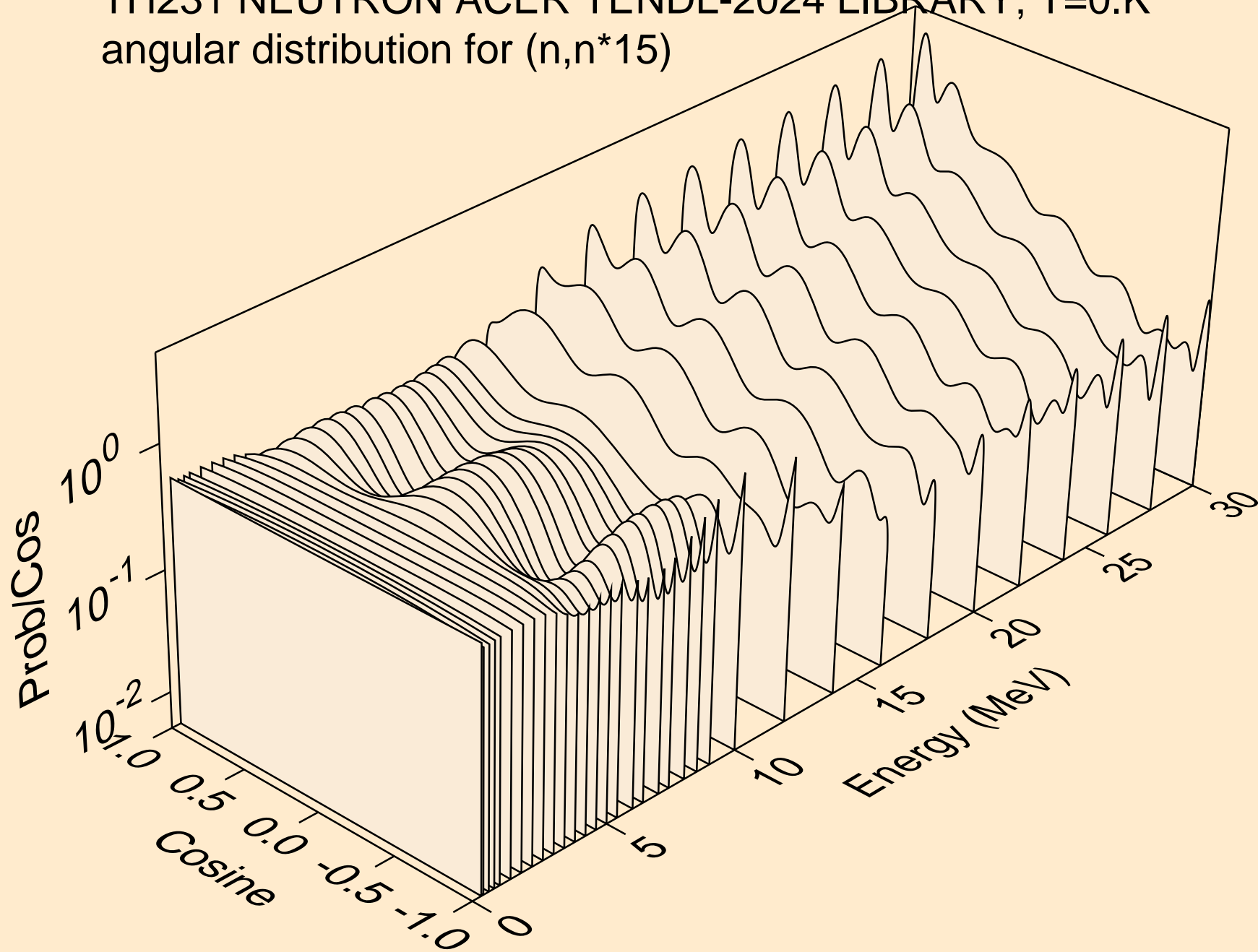




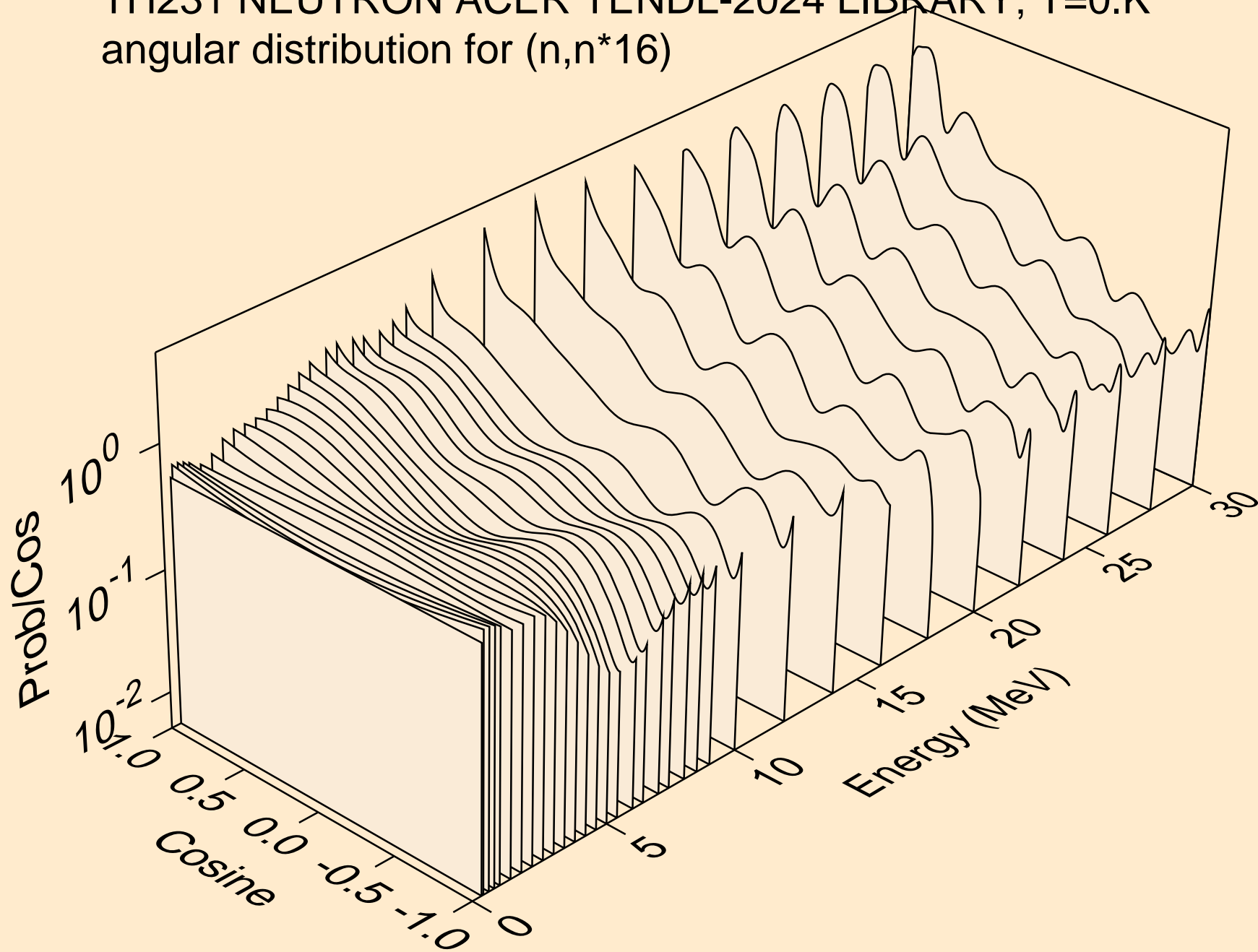
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



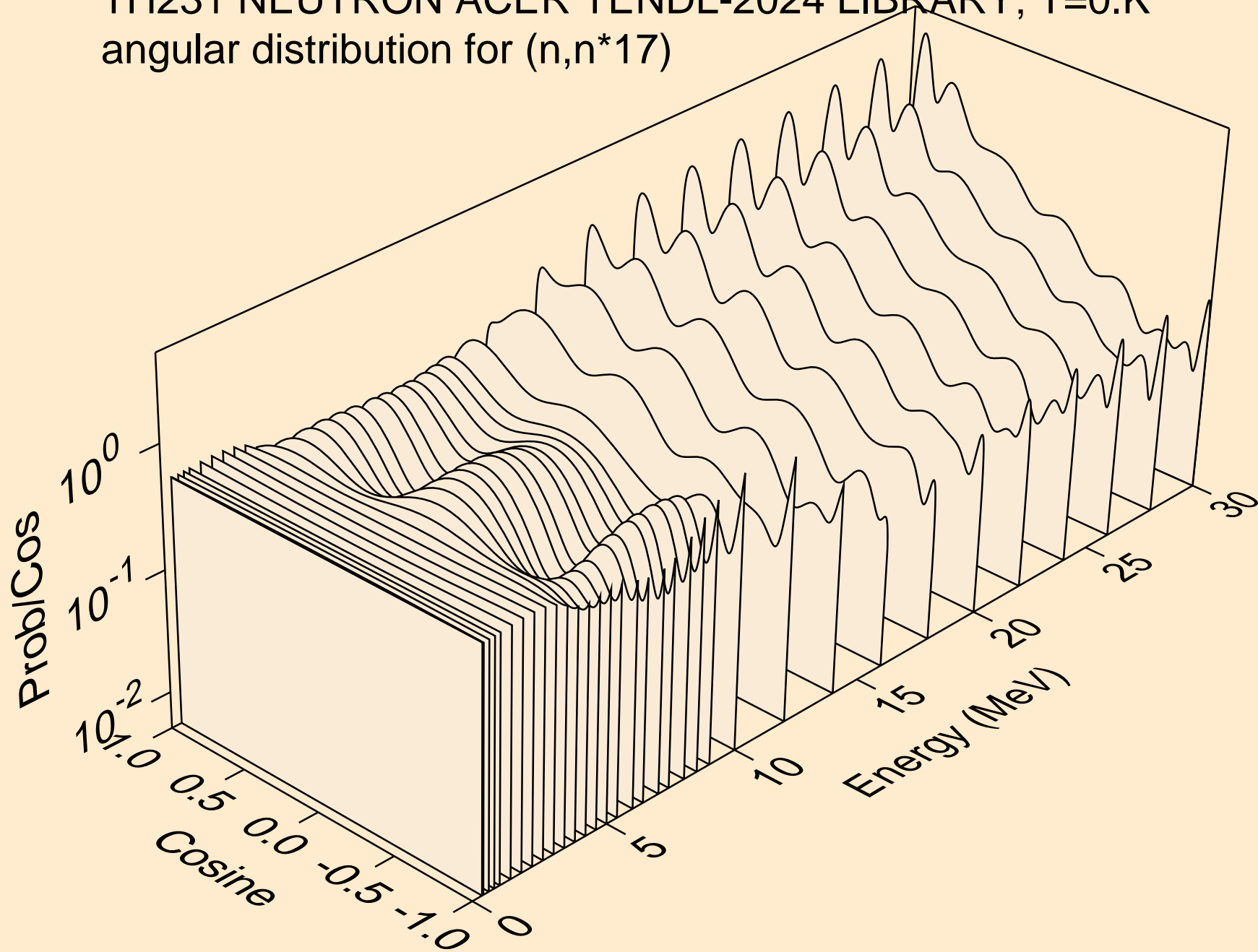
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



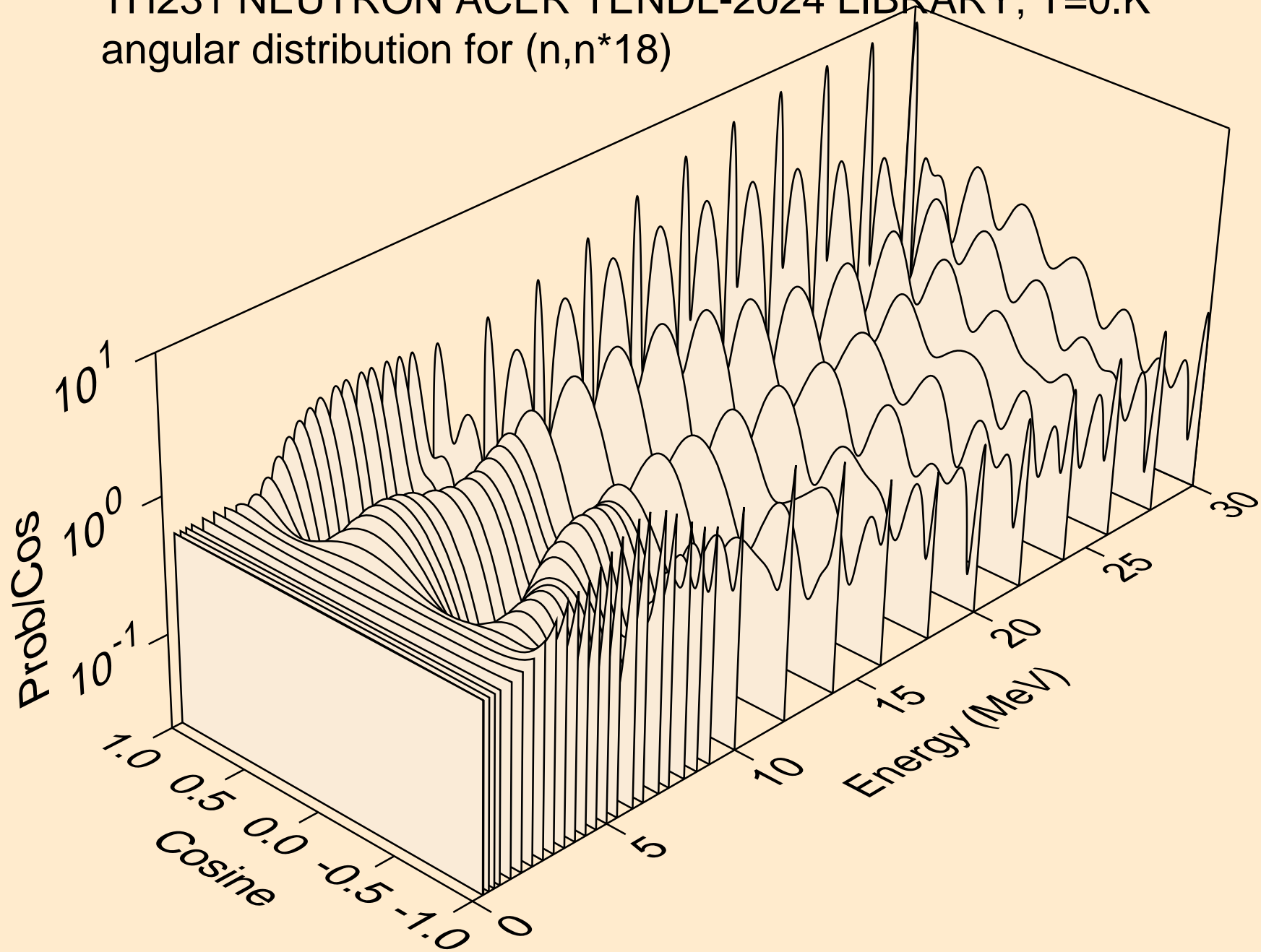
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



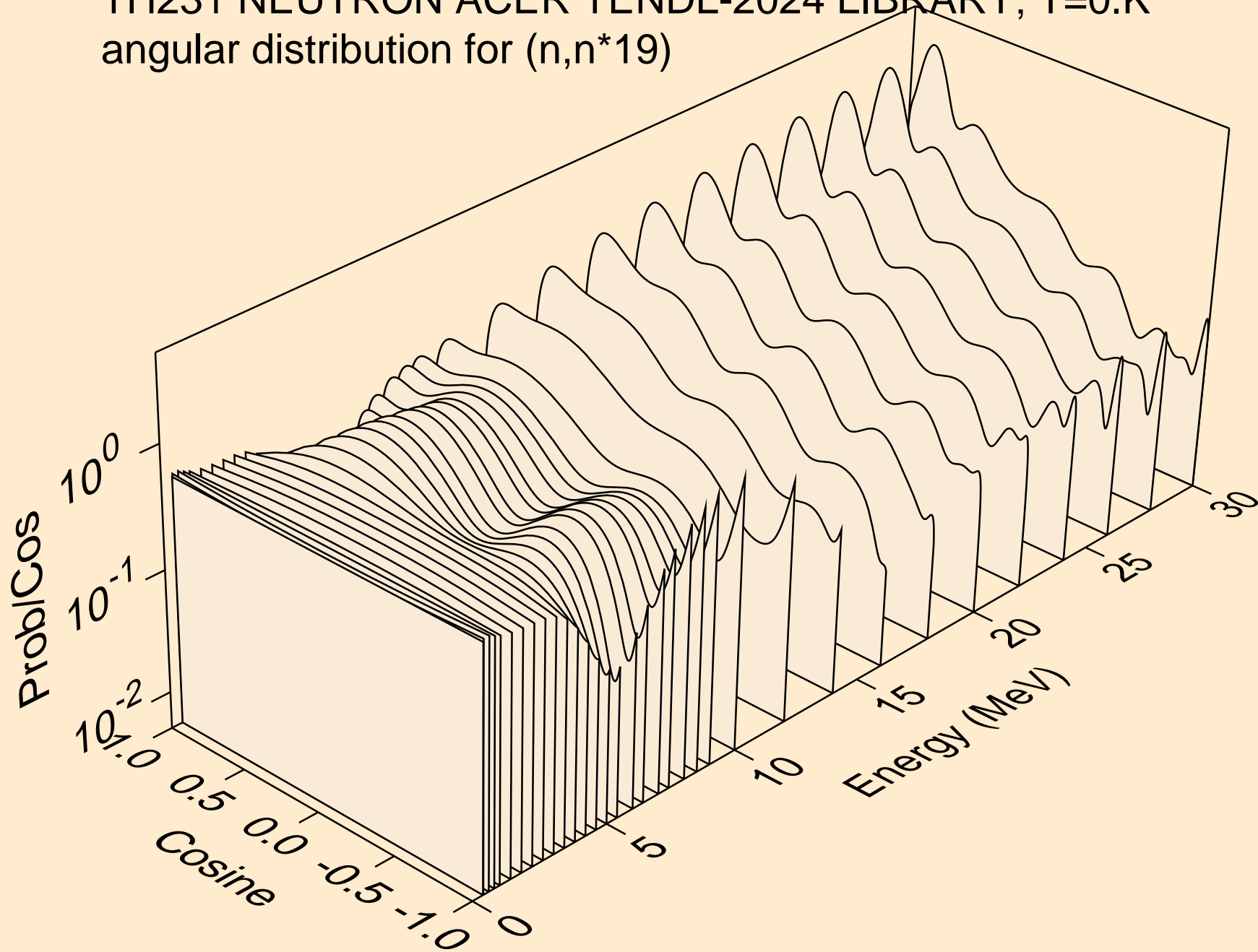
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*17)



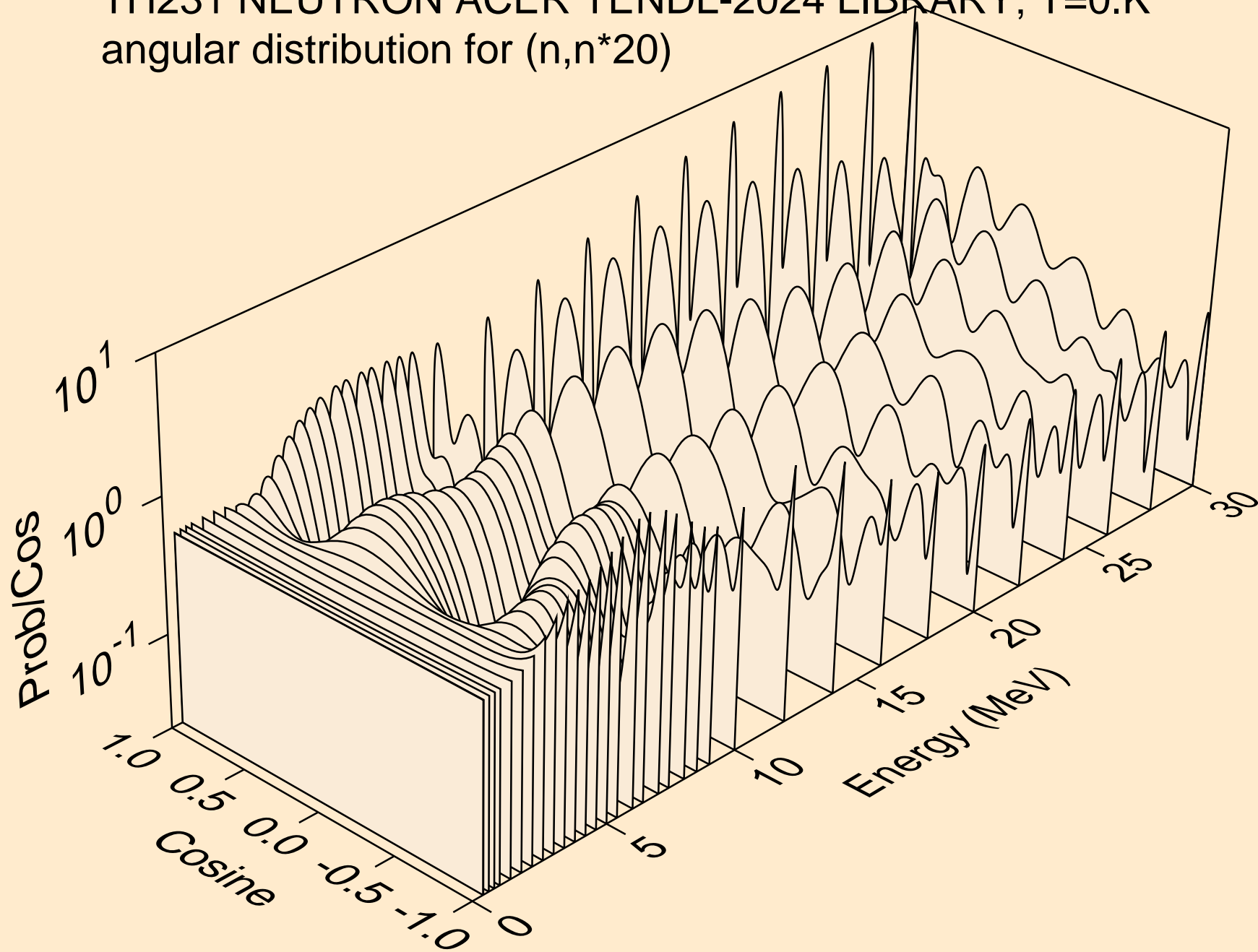
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



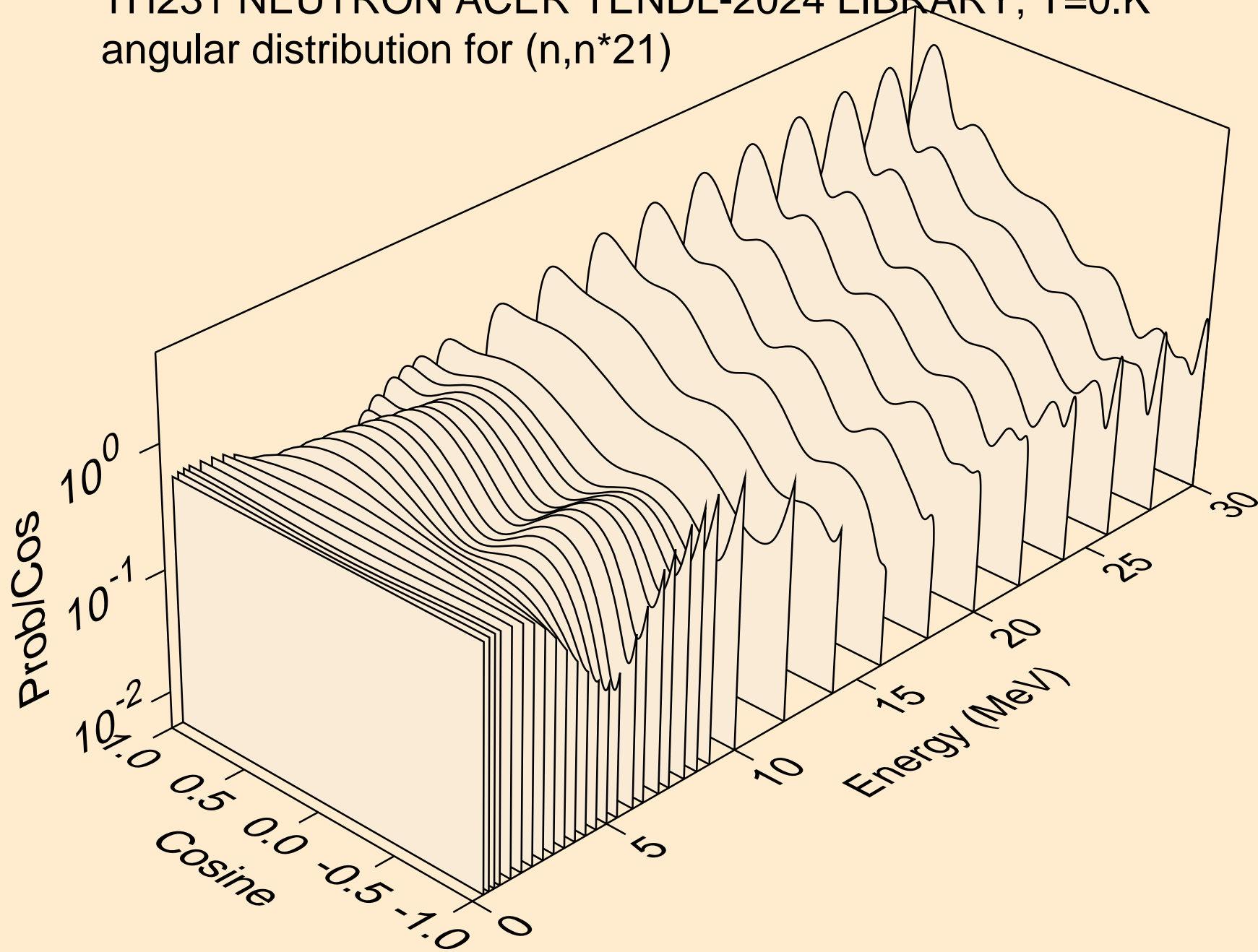
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*20)

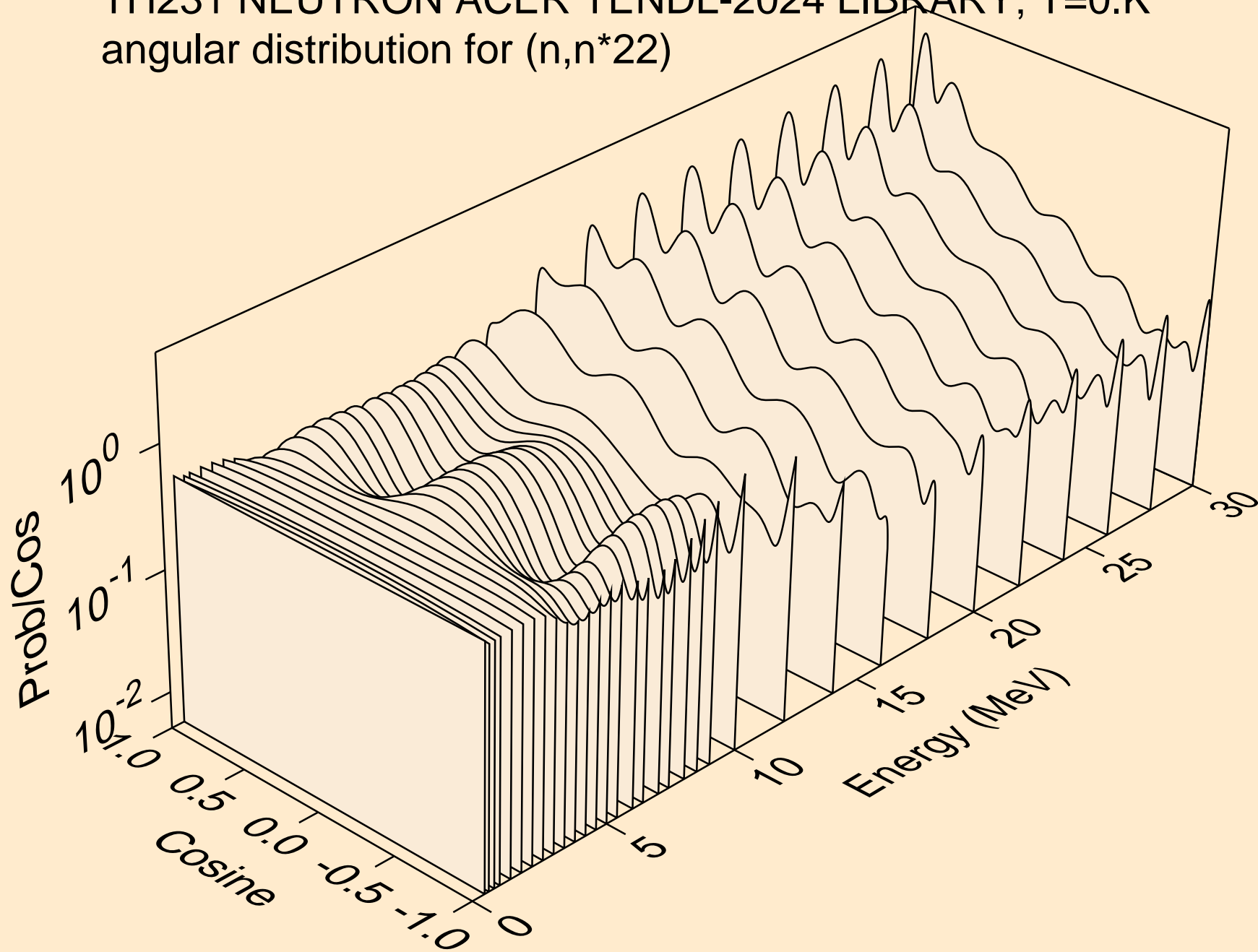


TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*21)

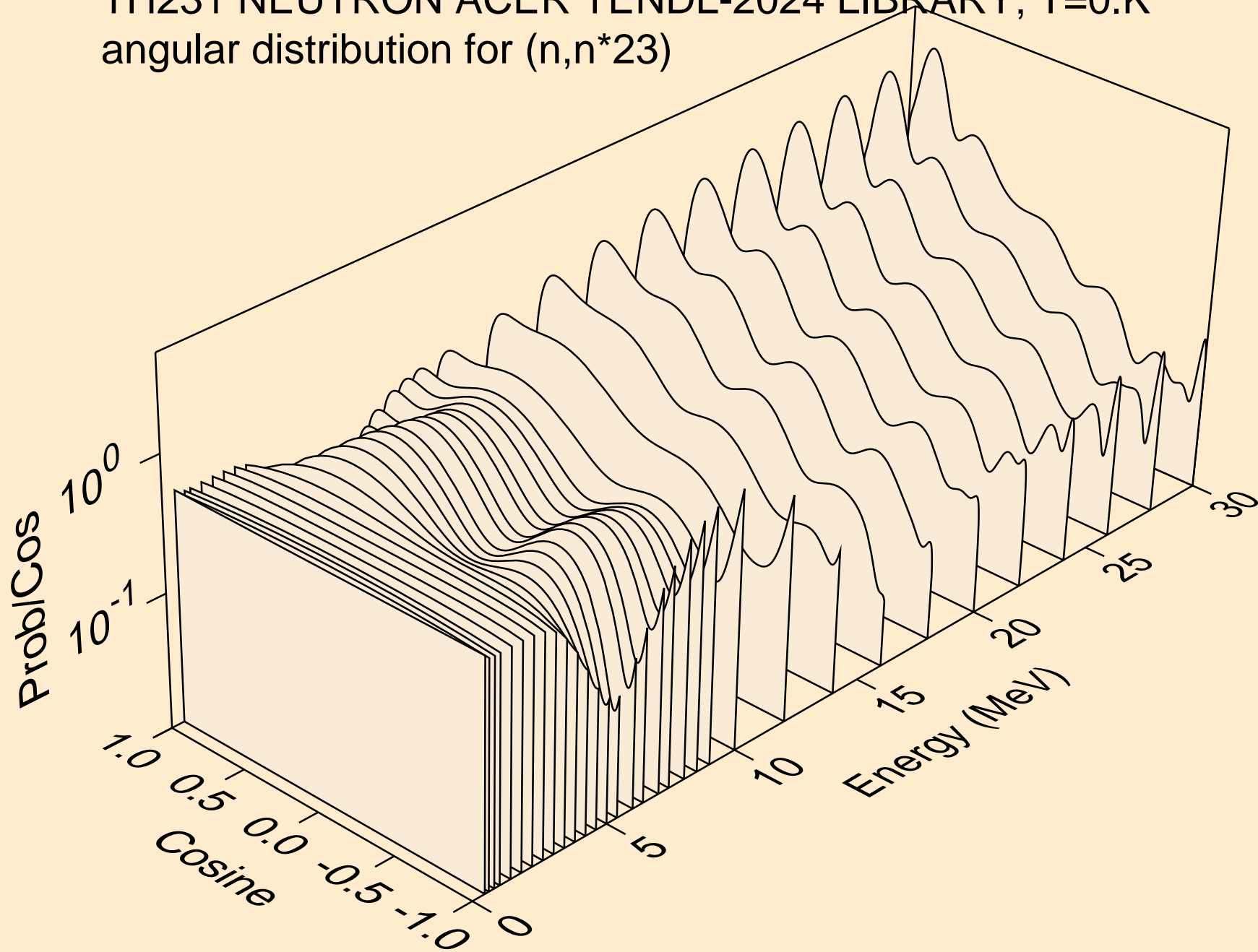




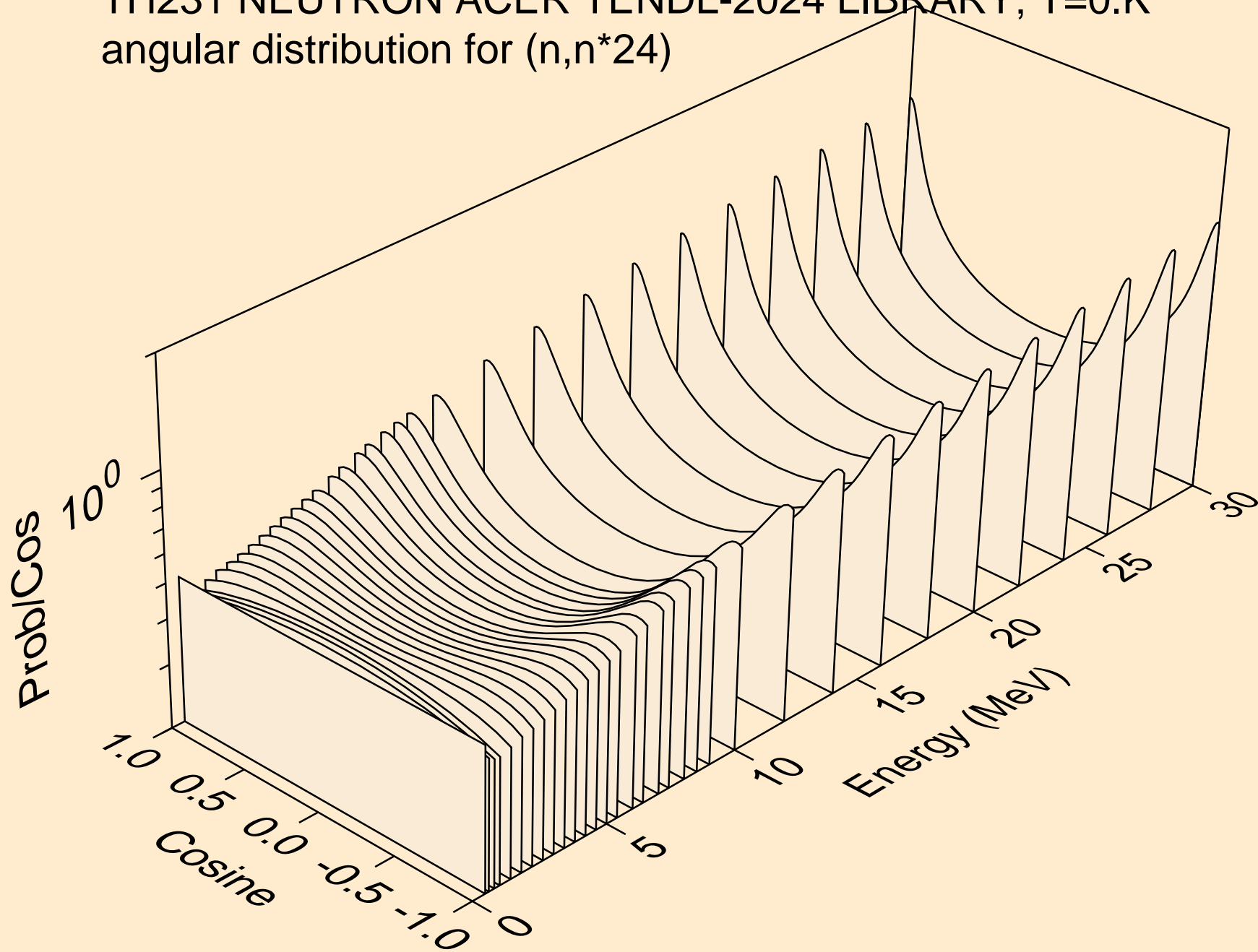
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*22)



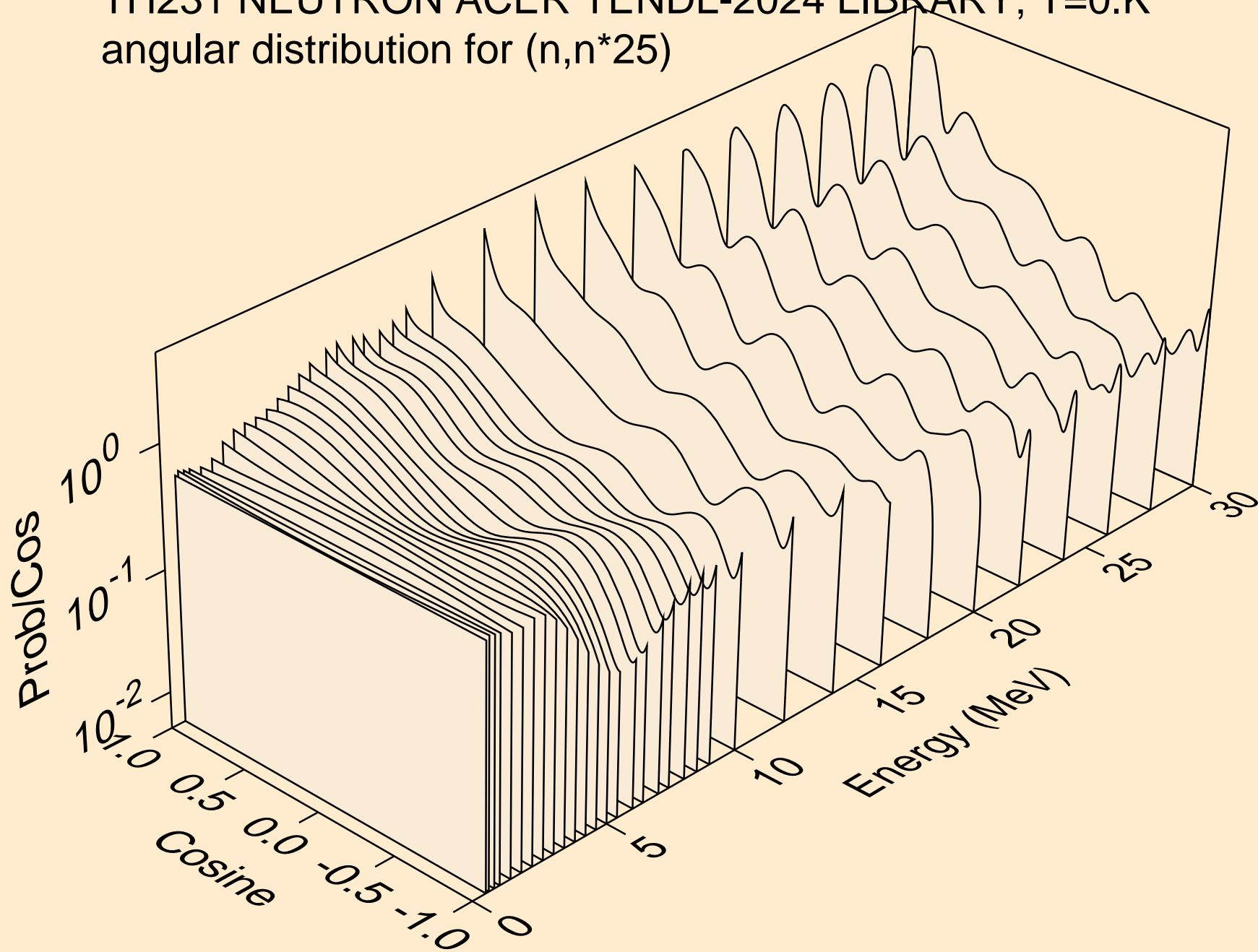
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*23)



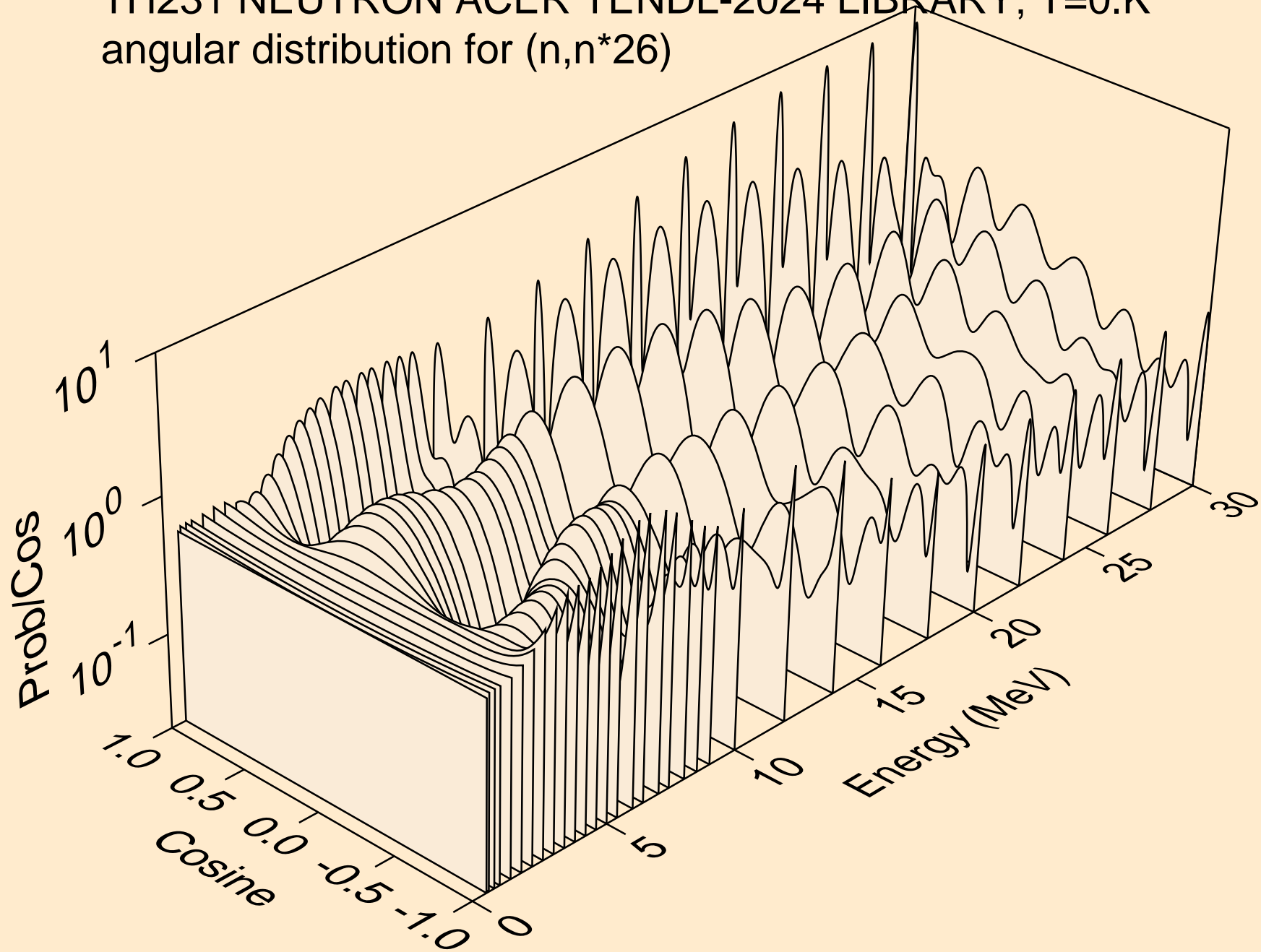
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*24)



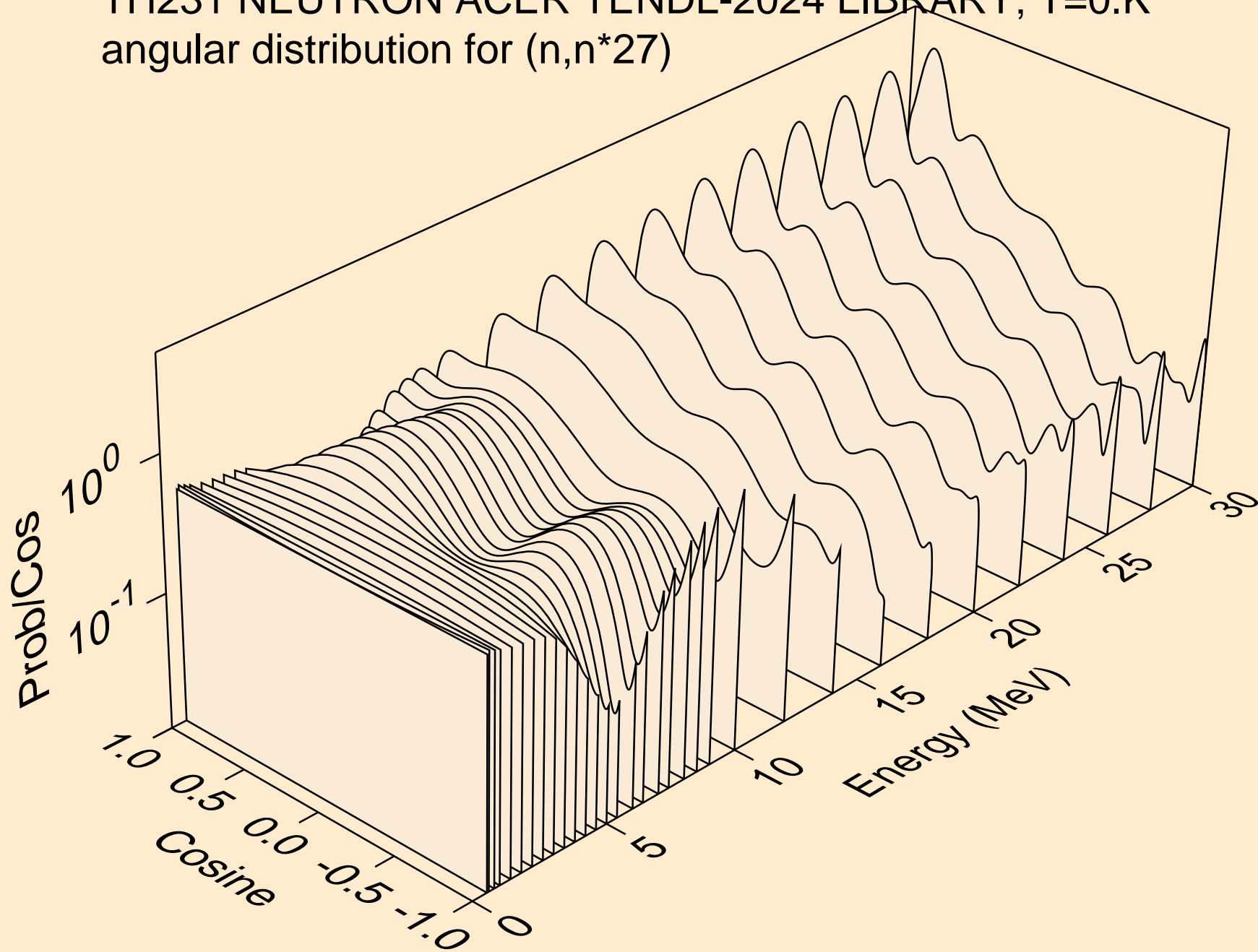
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*25)



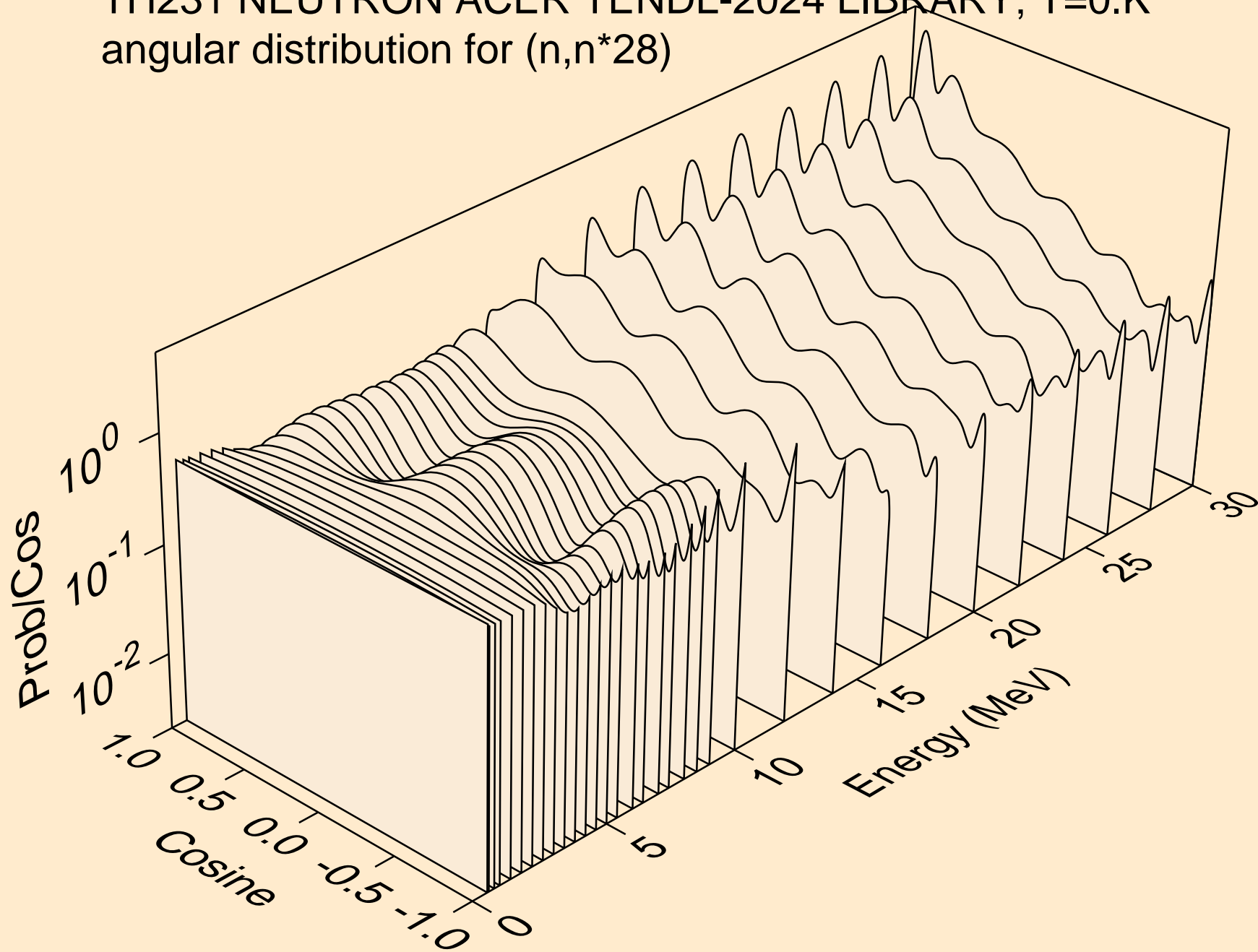
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



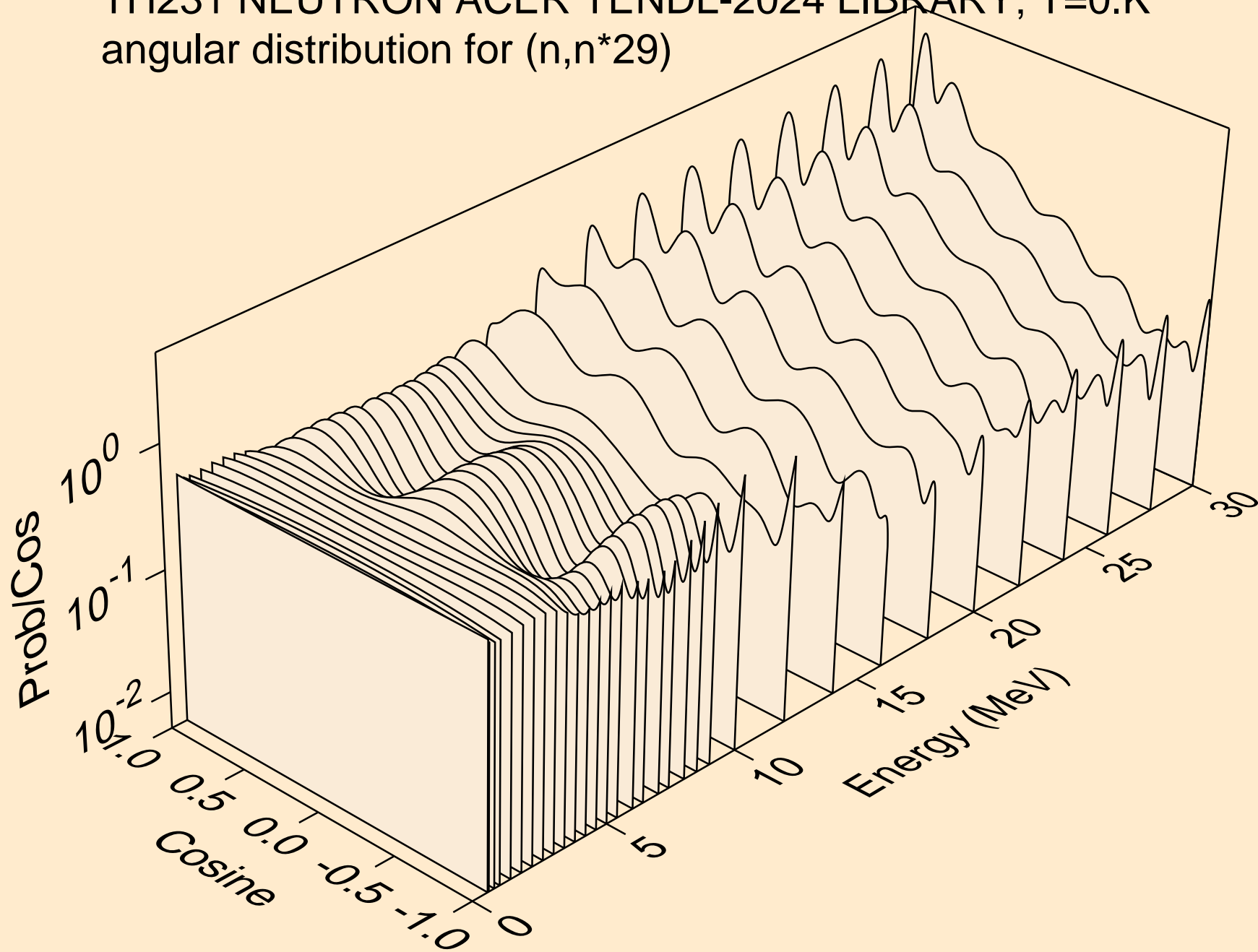
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*28)

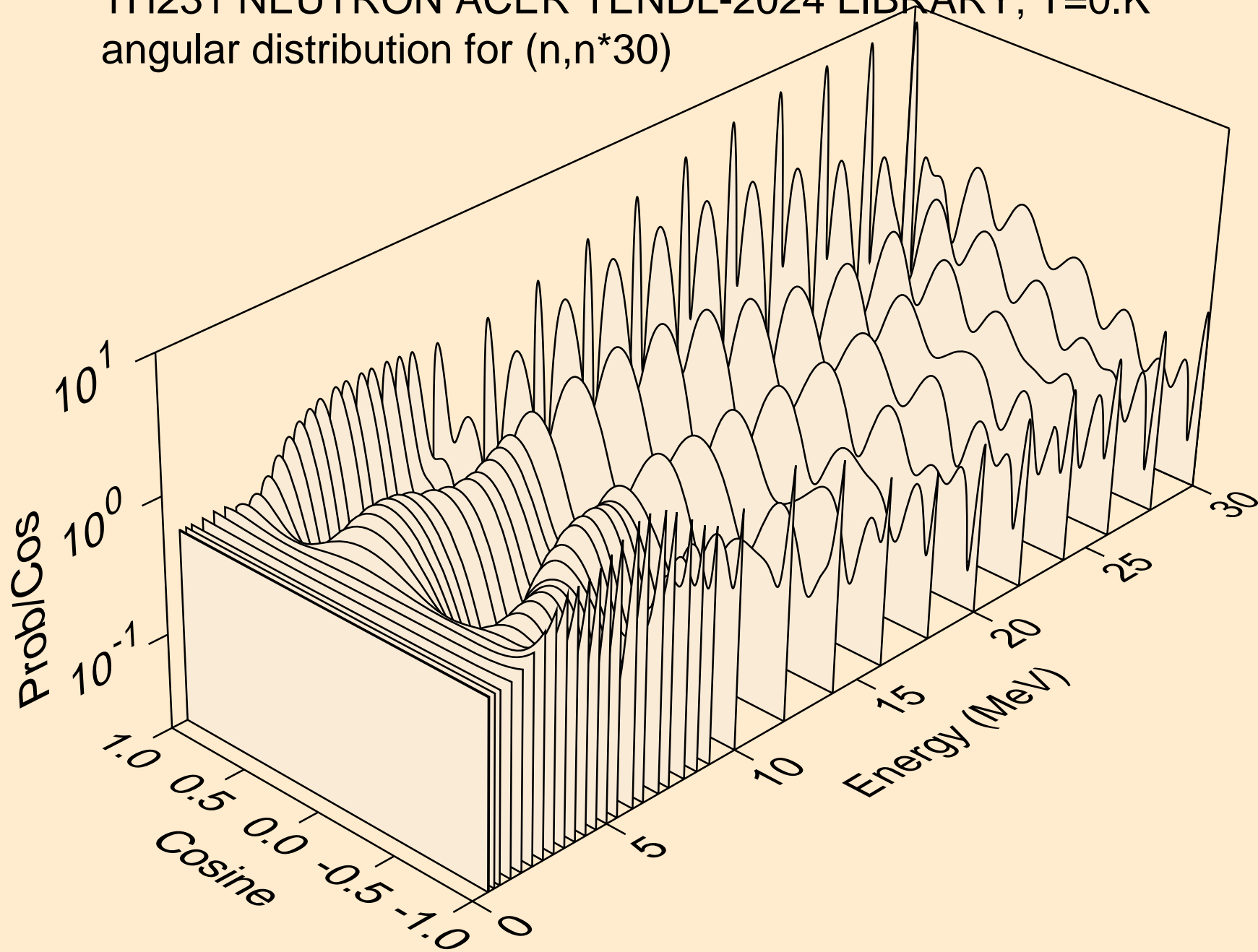


TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*29)

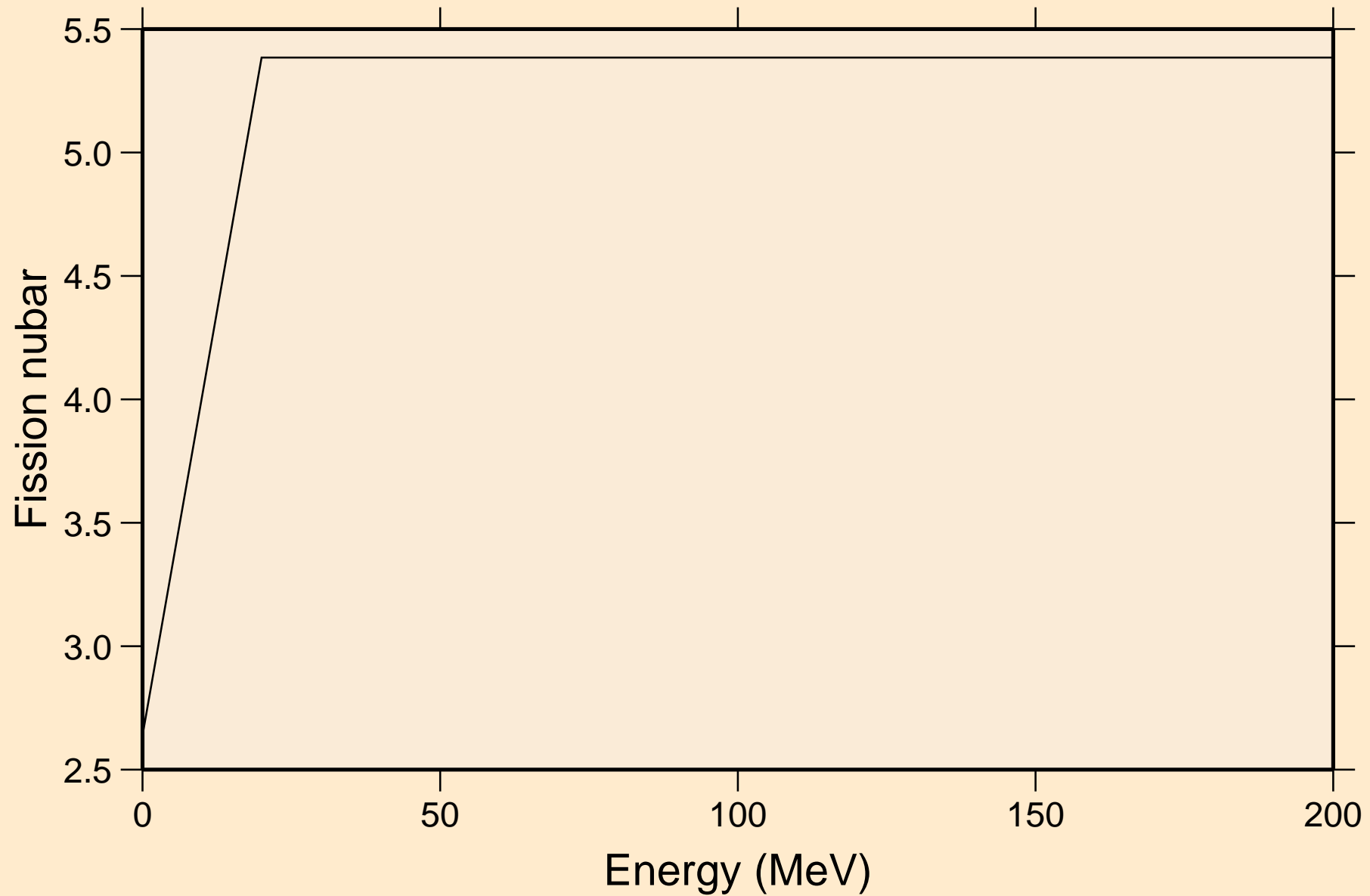




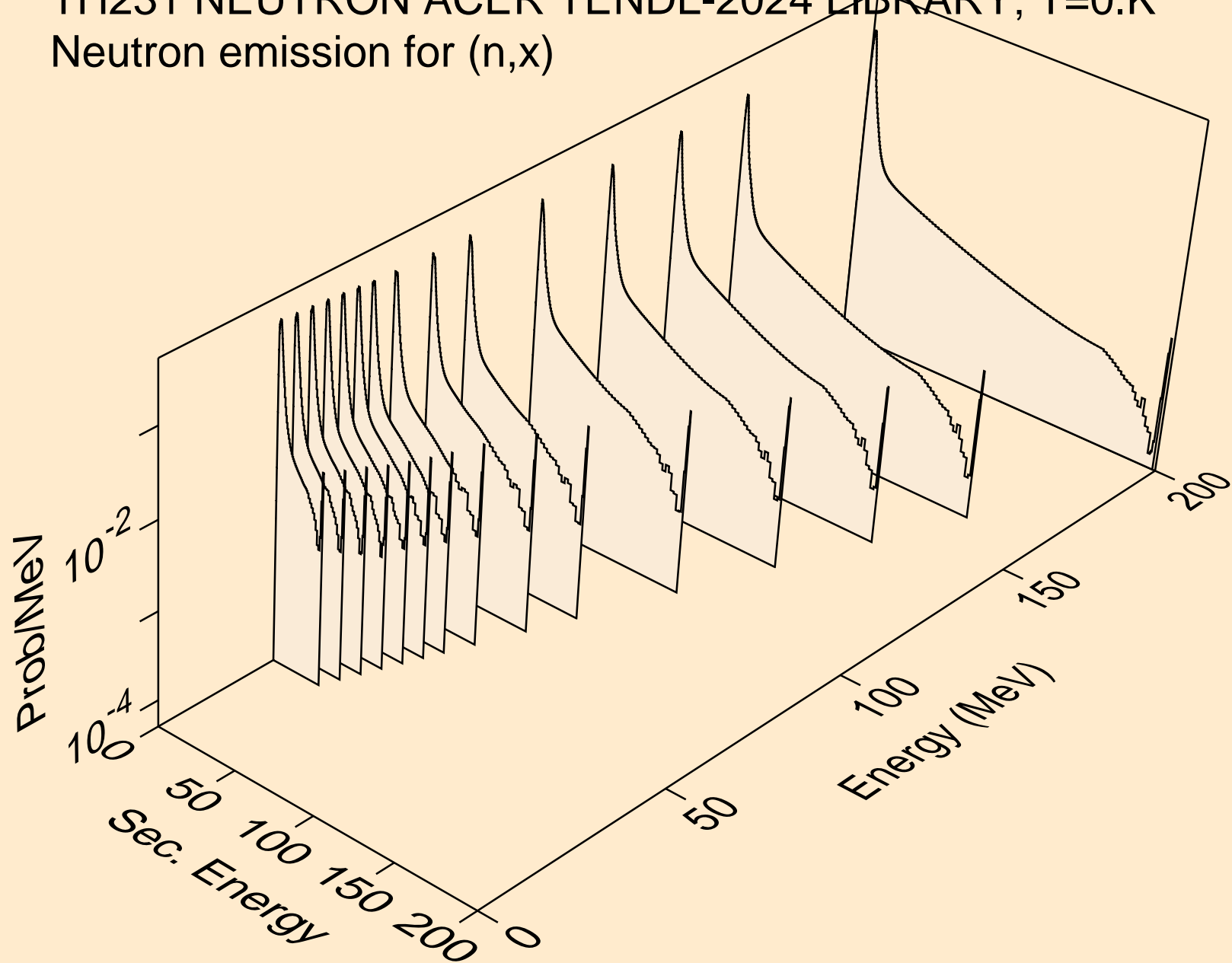
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*30)



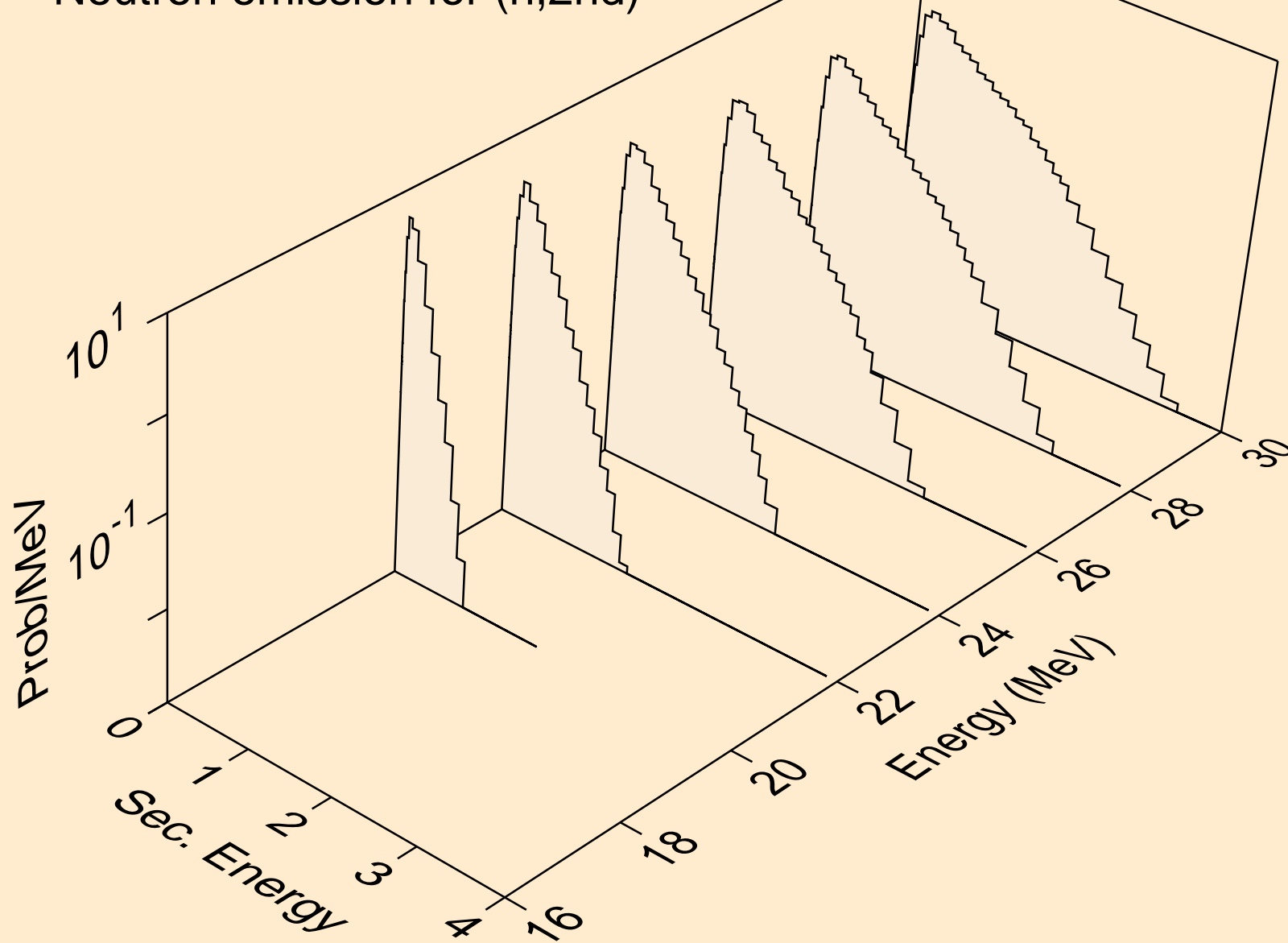
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Total fission nubar



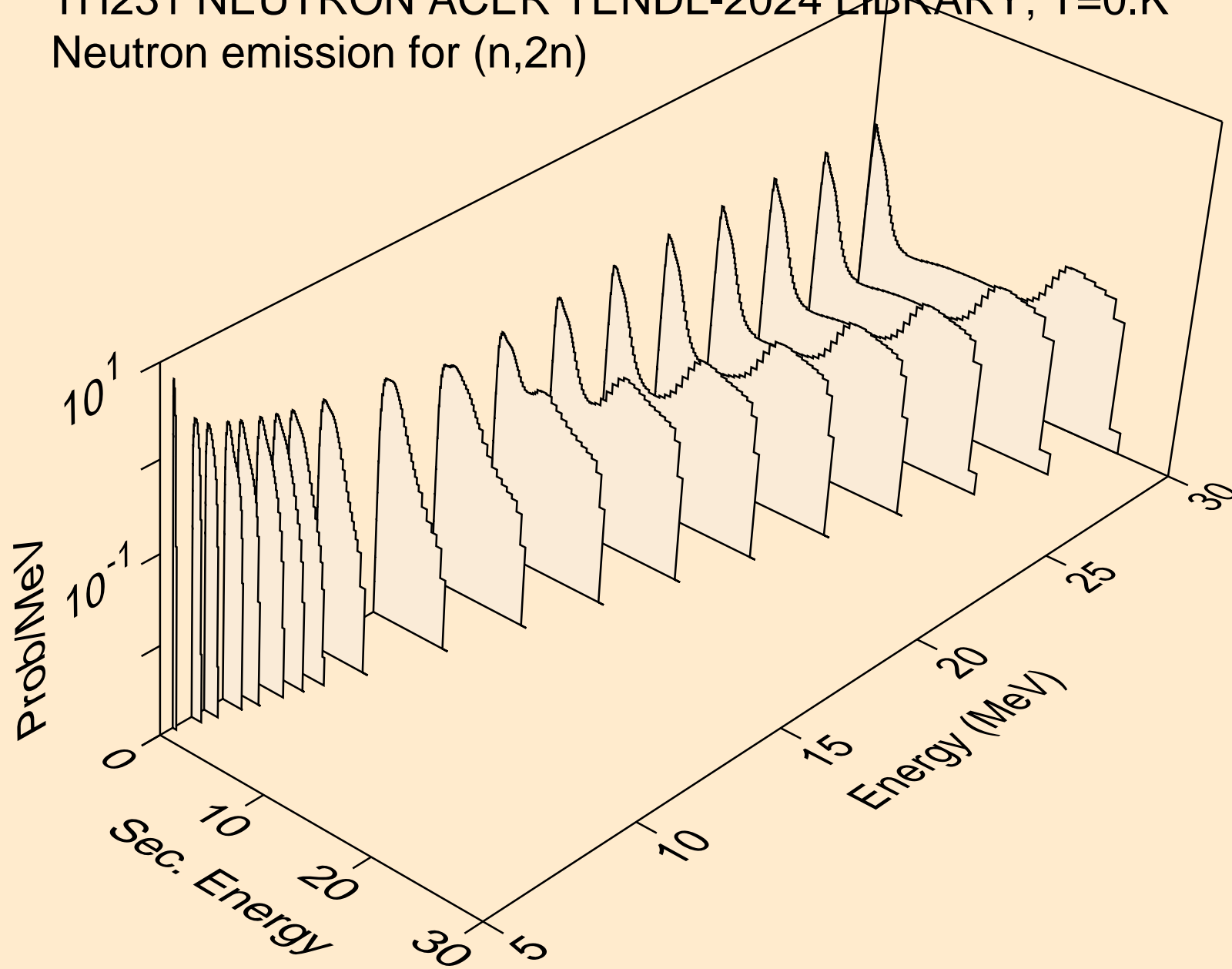
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



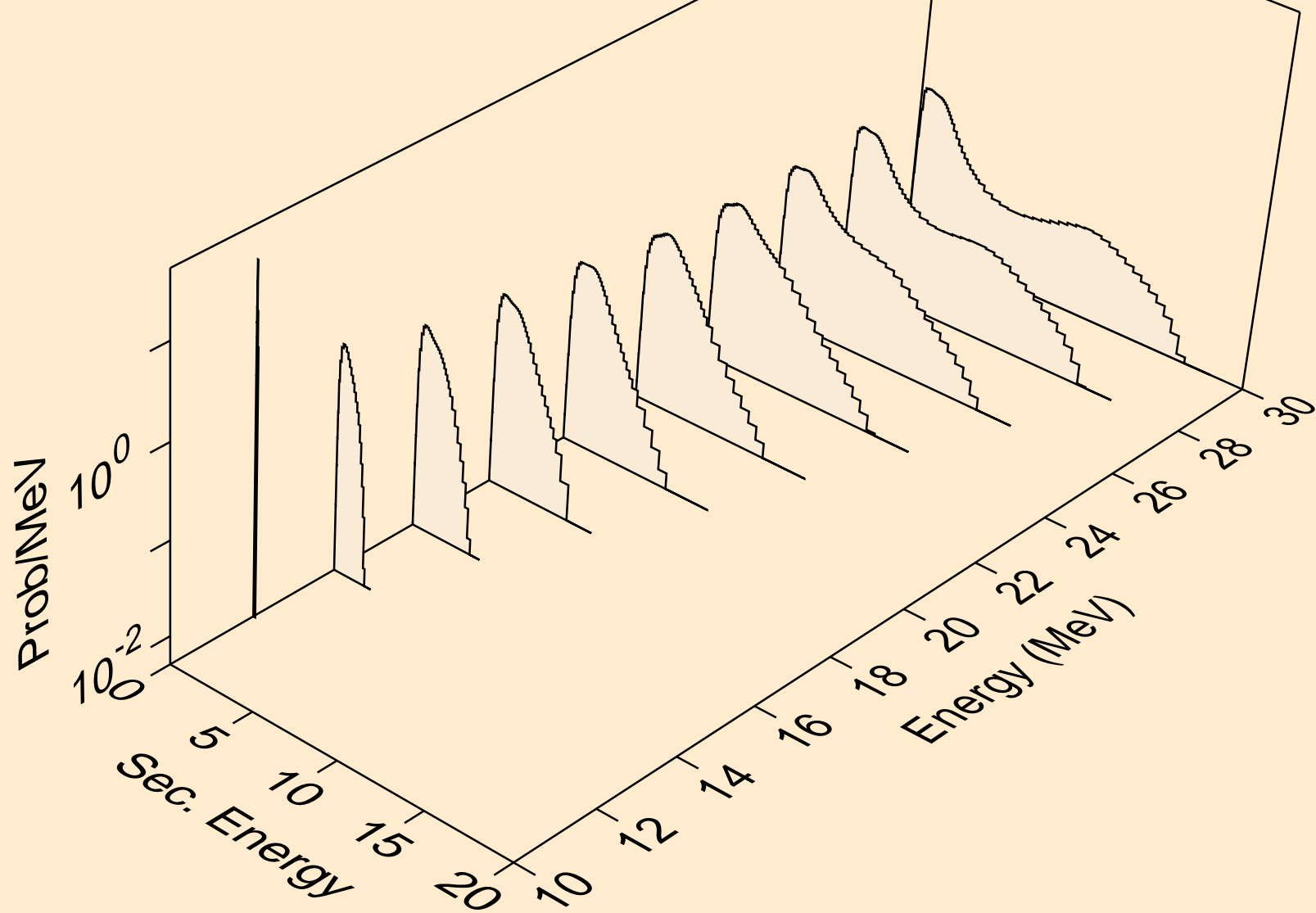
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



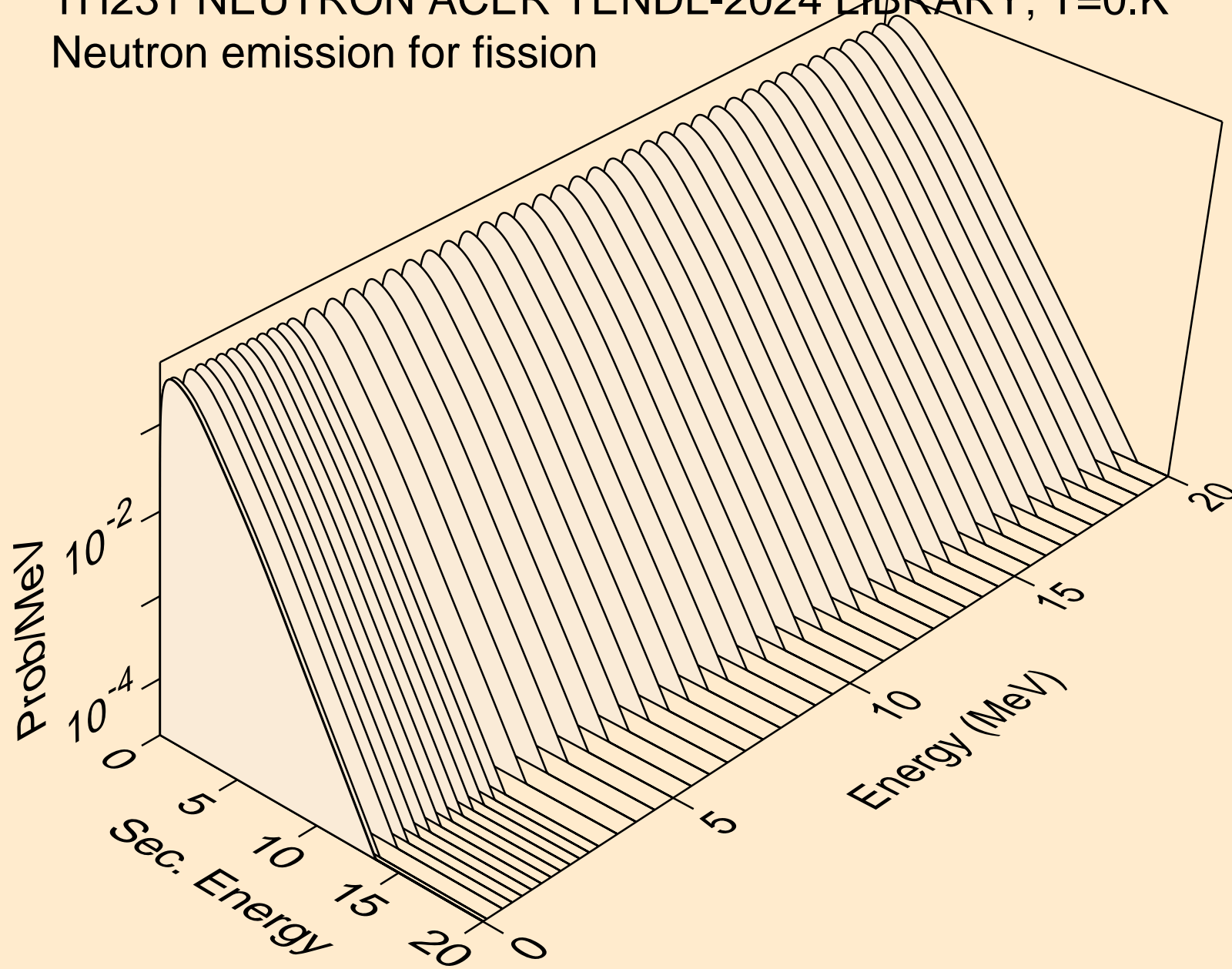
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



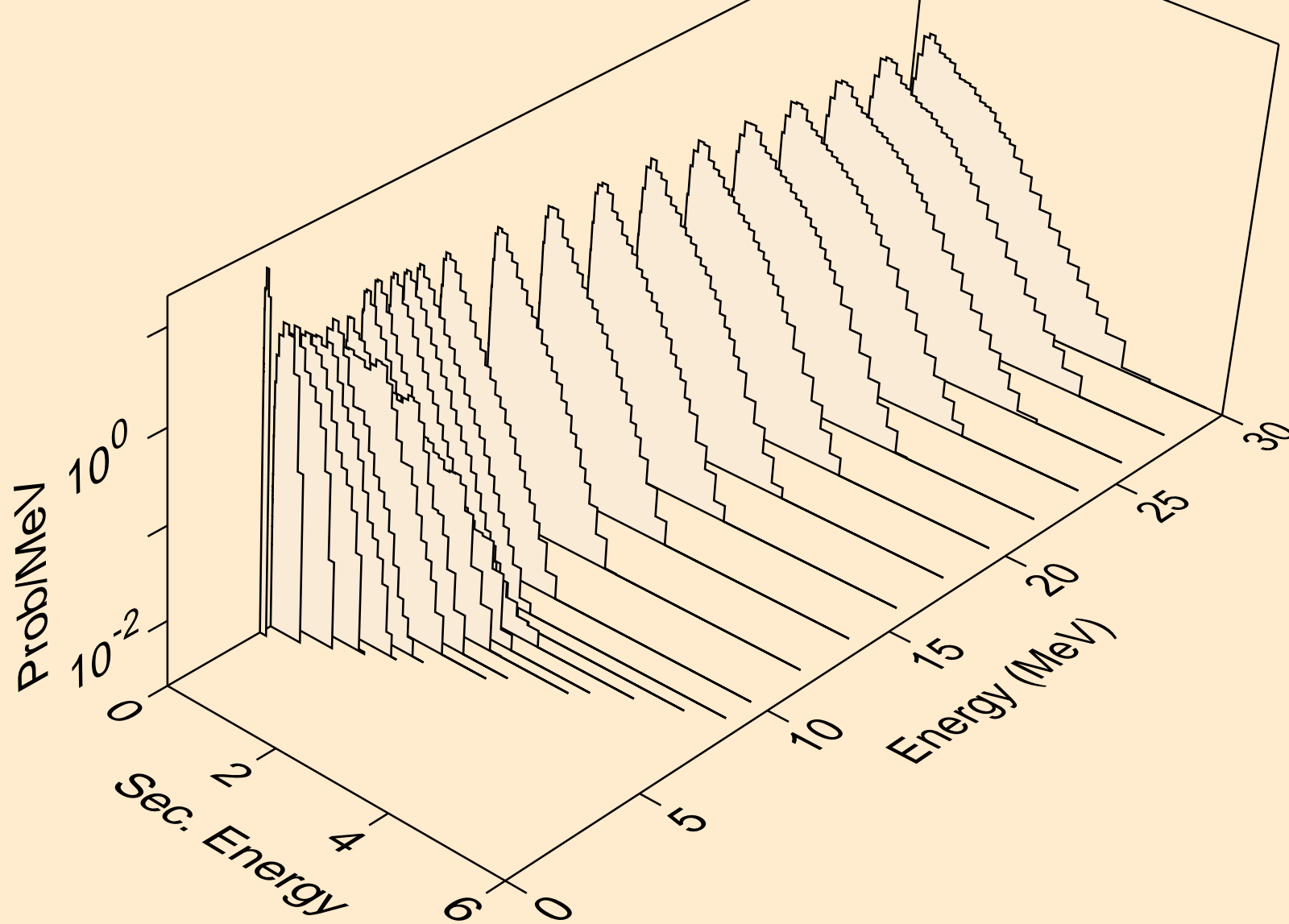
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for fission

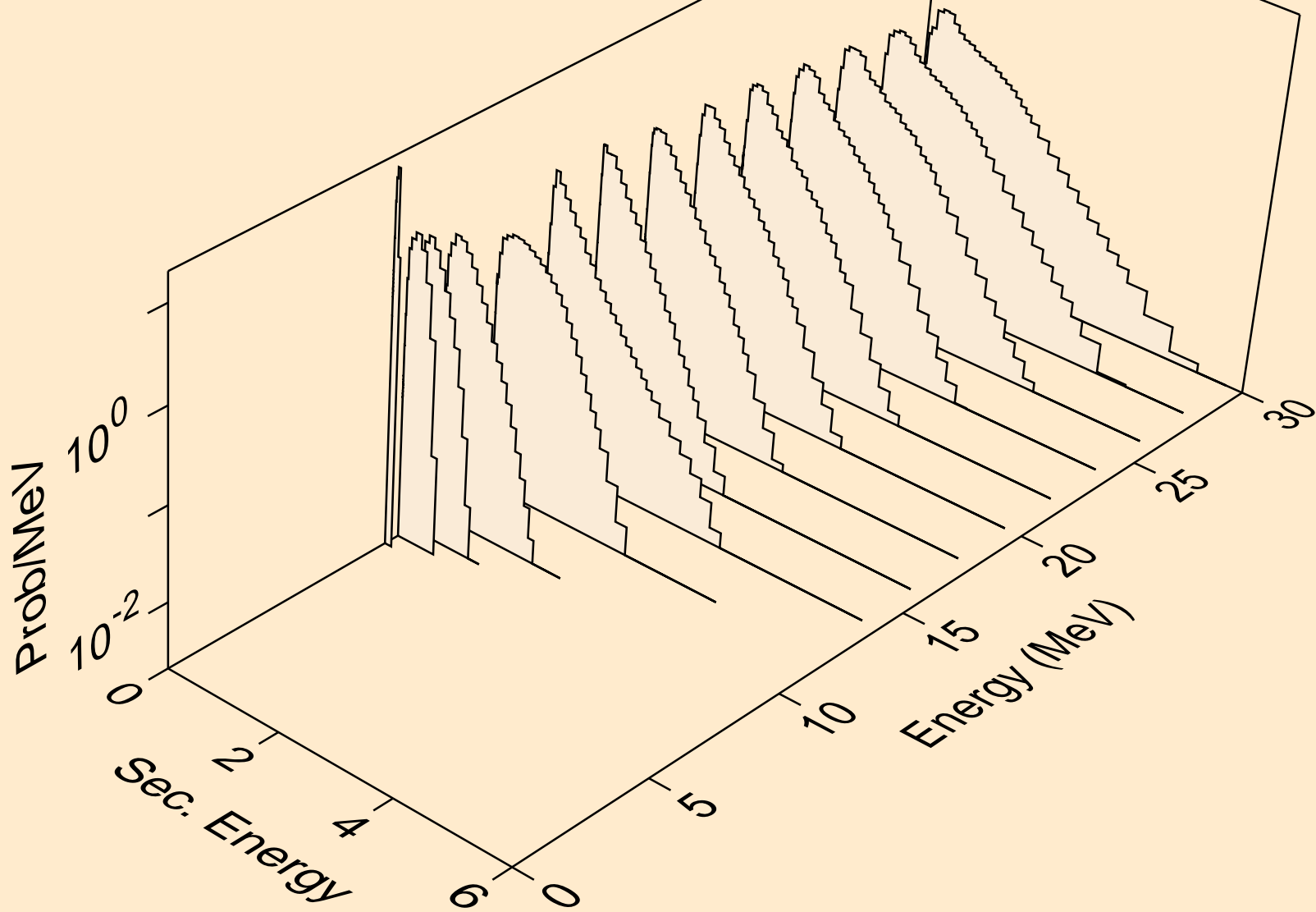


TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

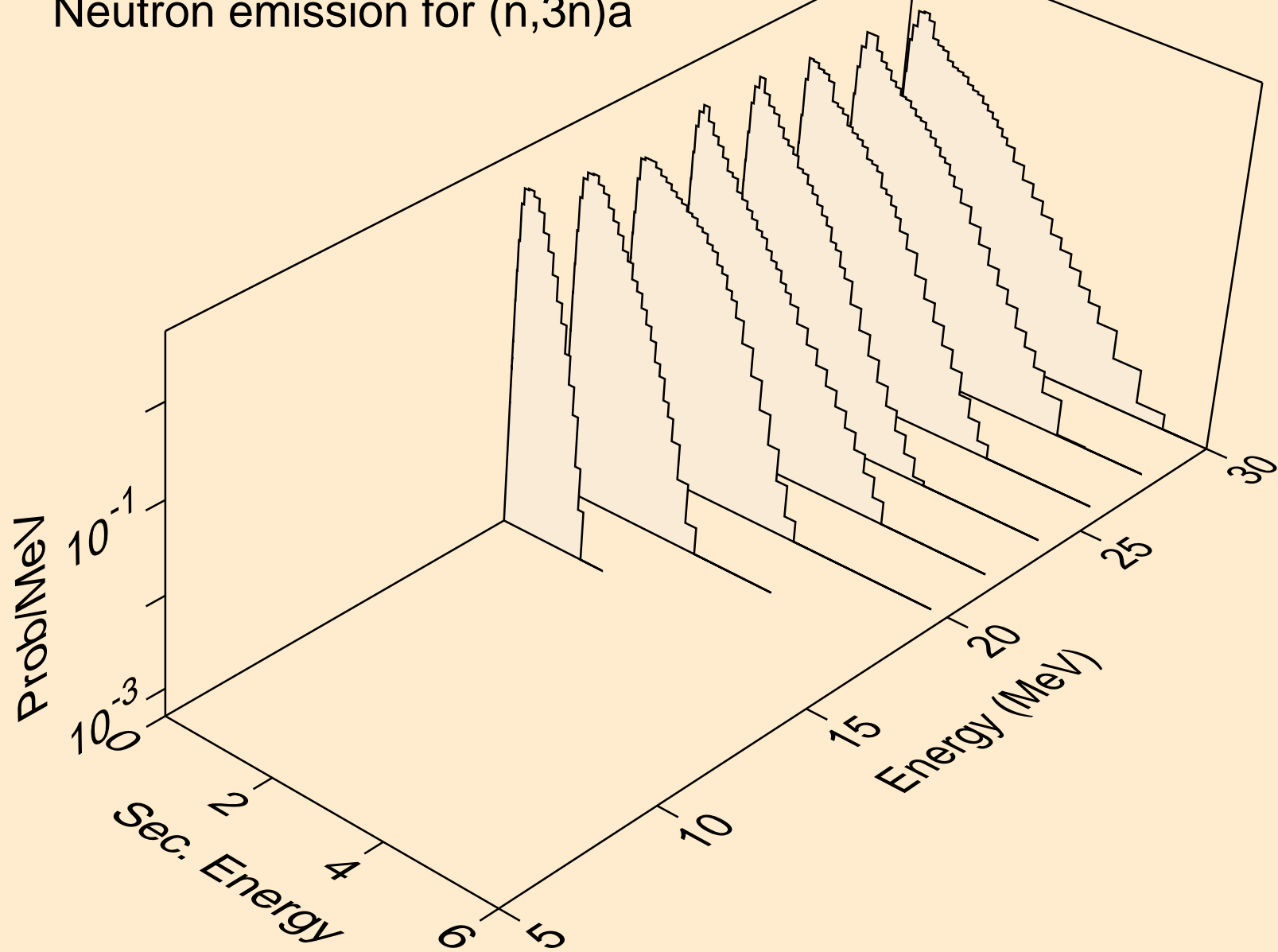




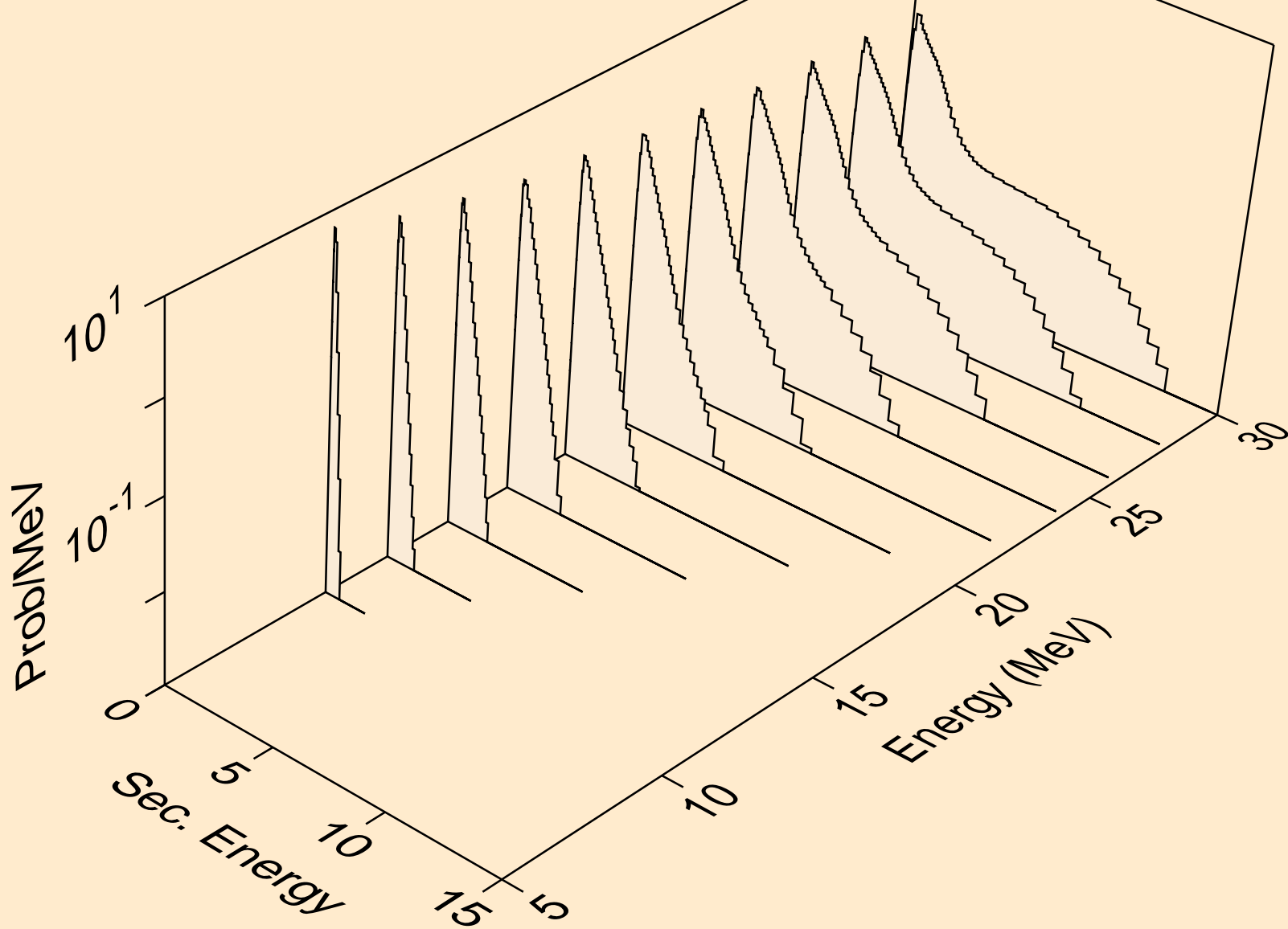
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



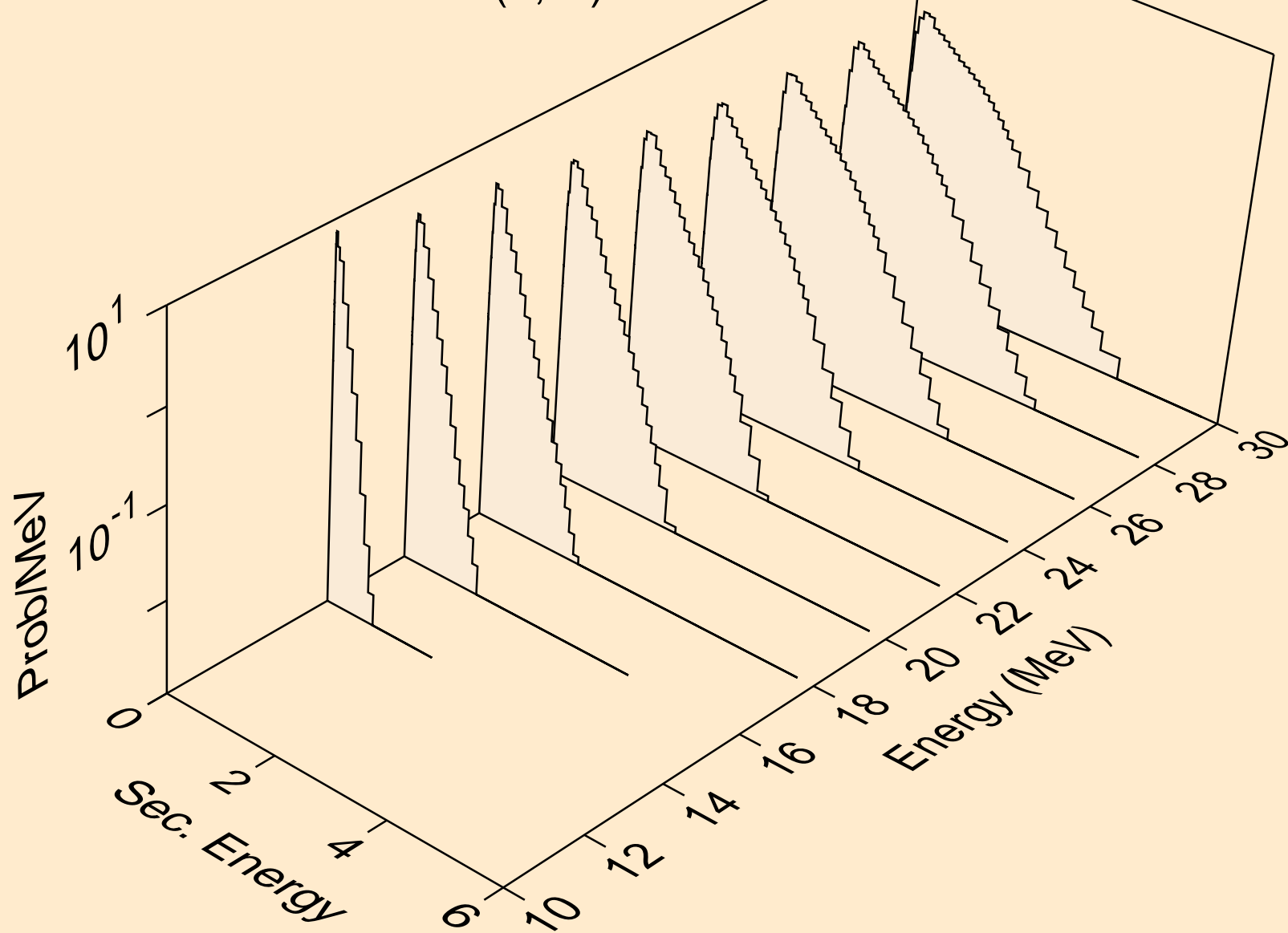
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



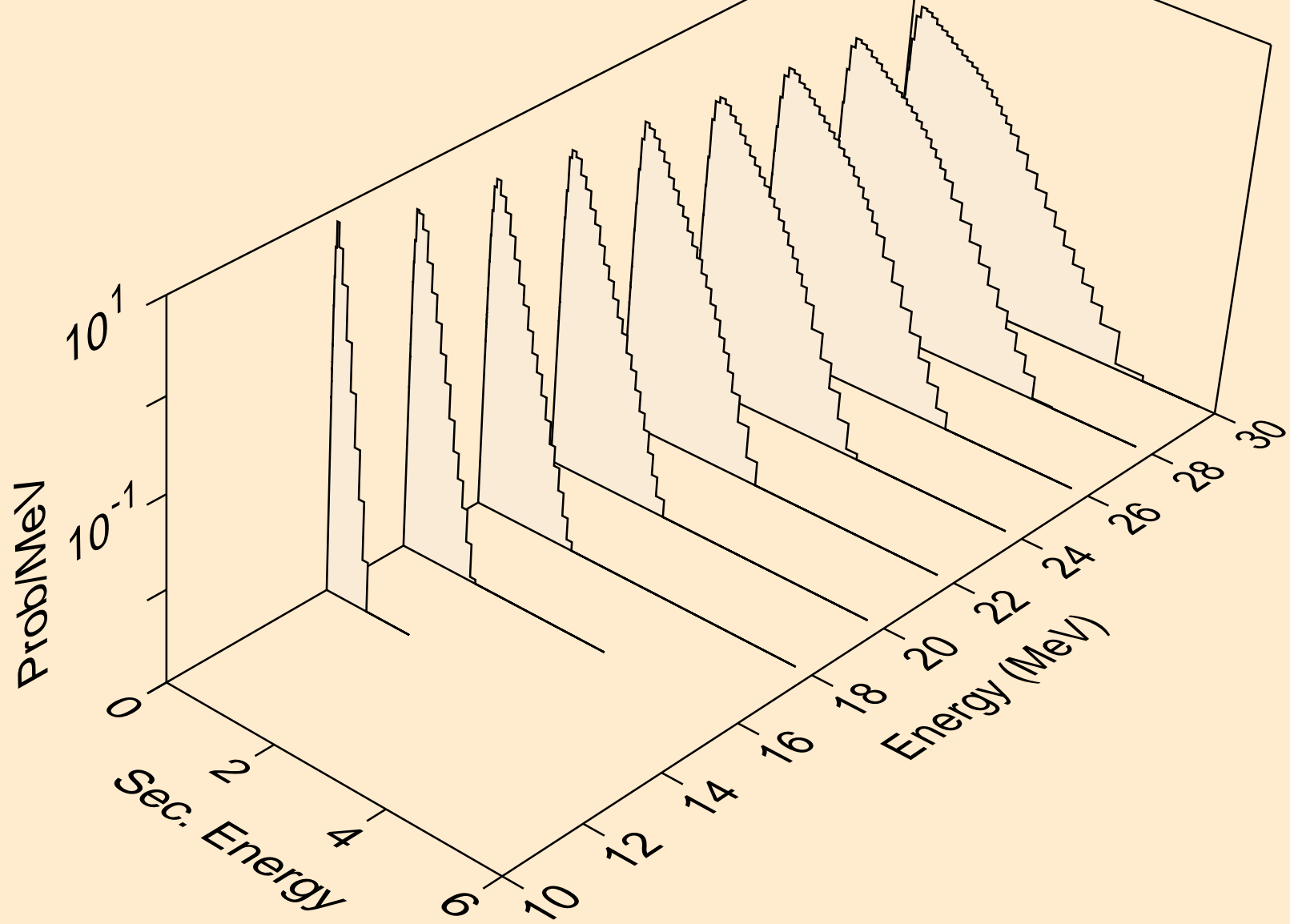
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



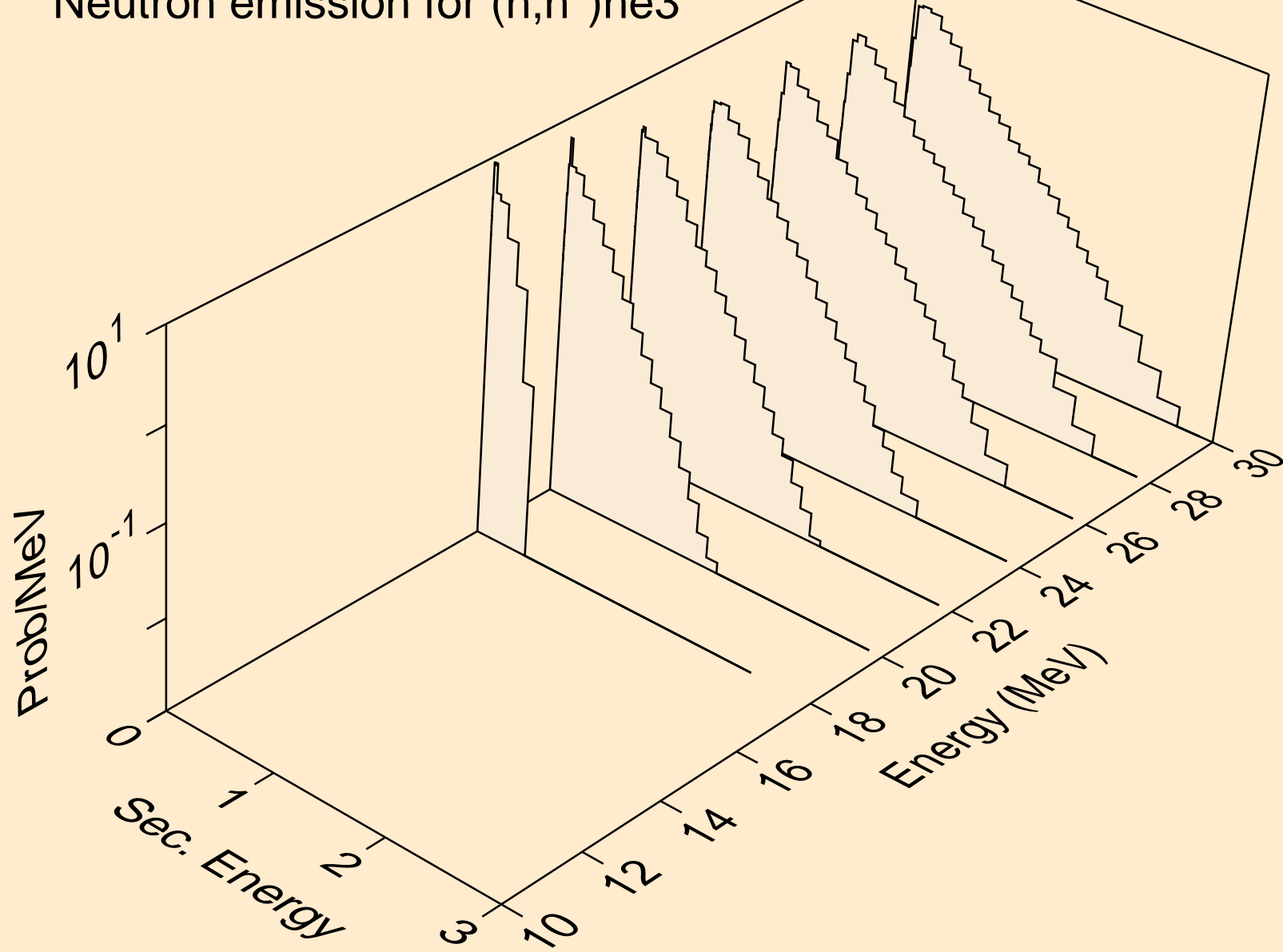
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



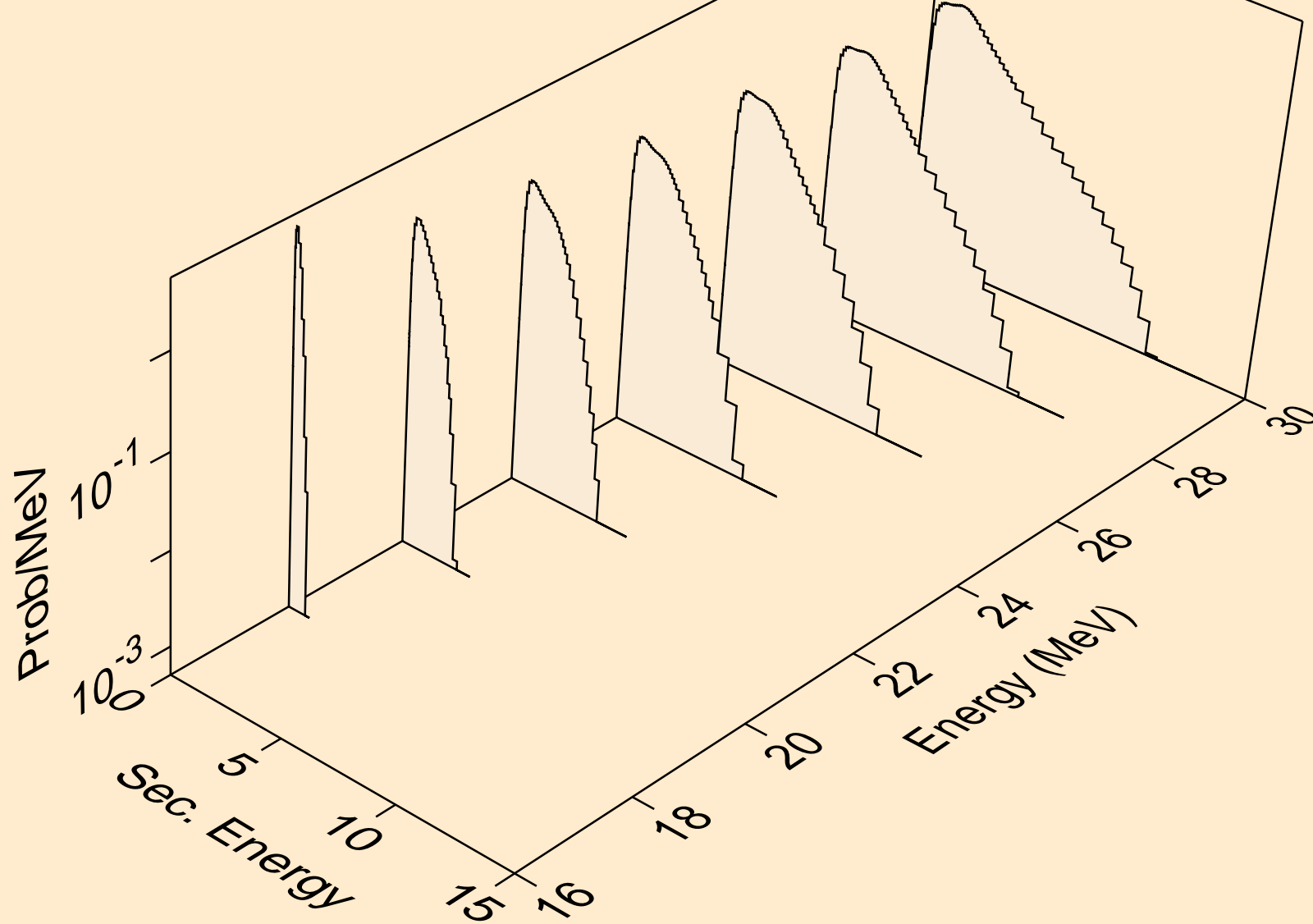
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



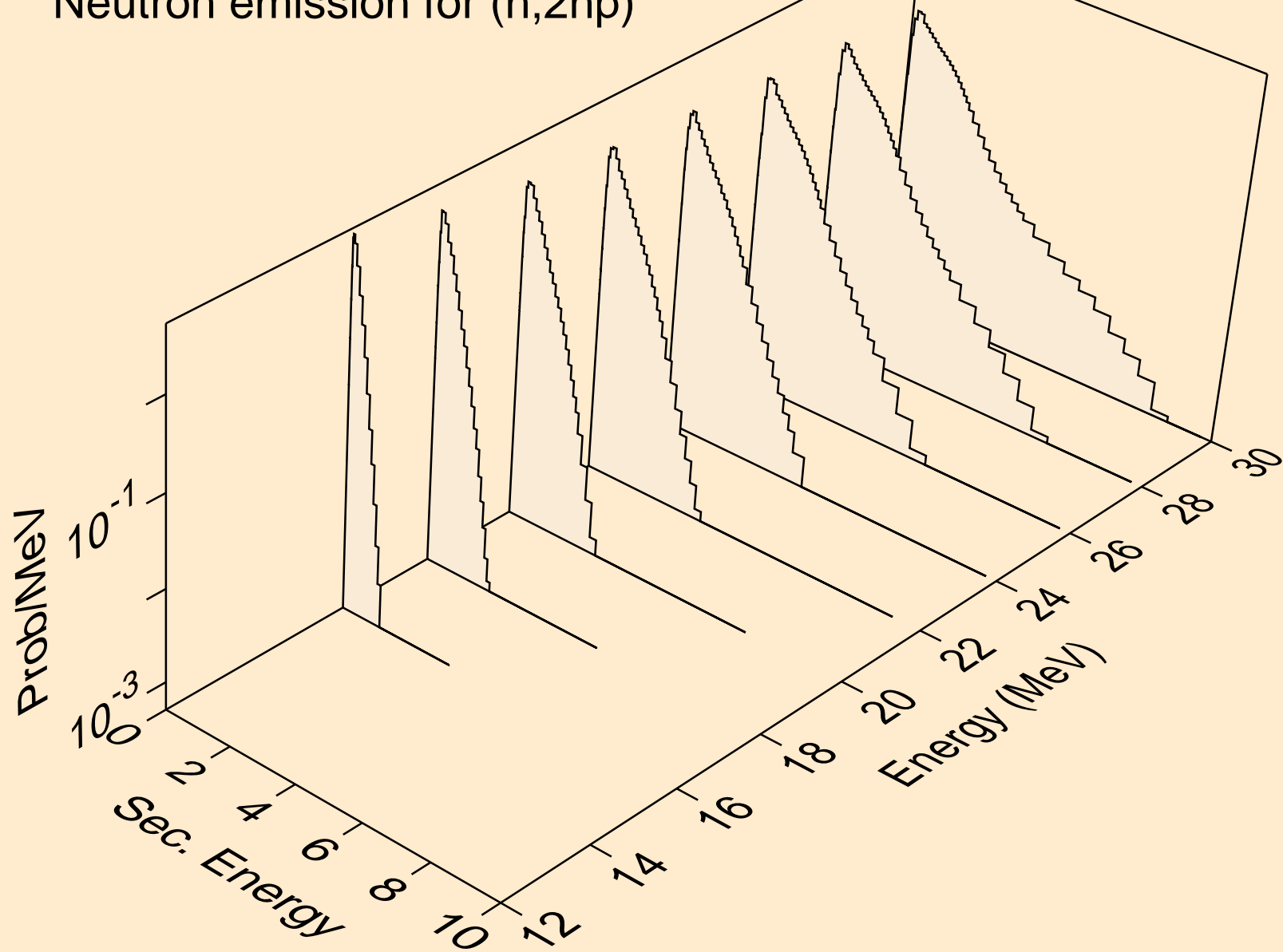
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)

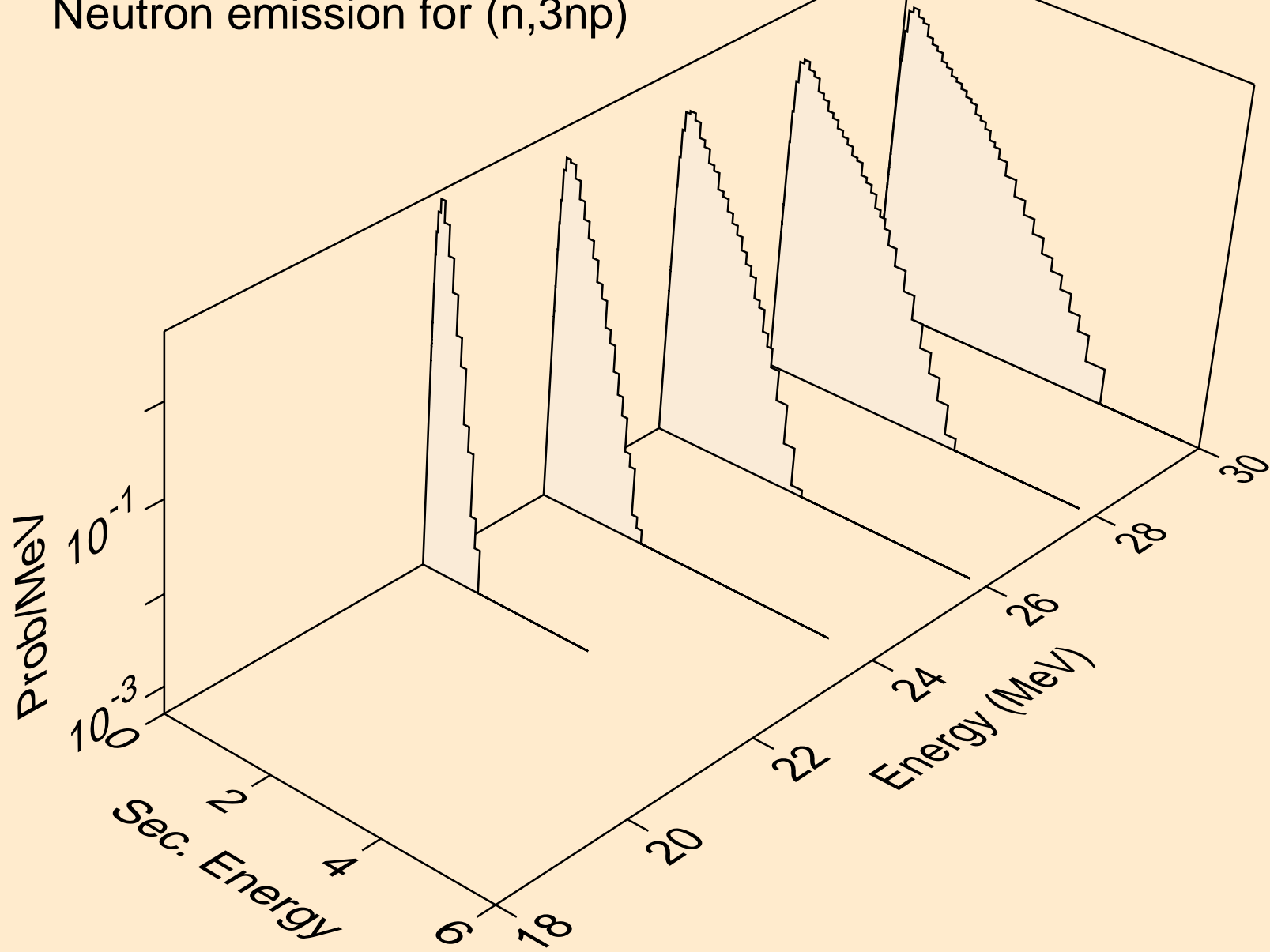


TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)

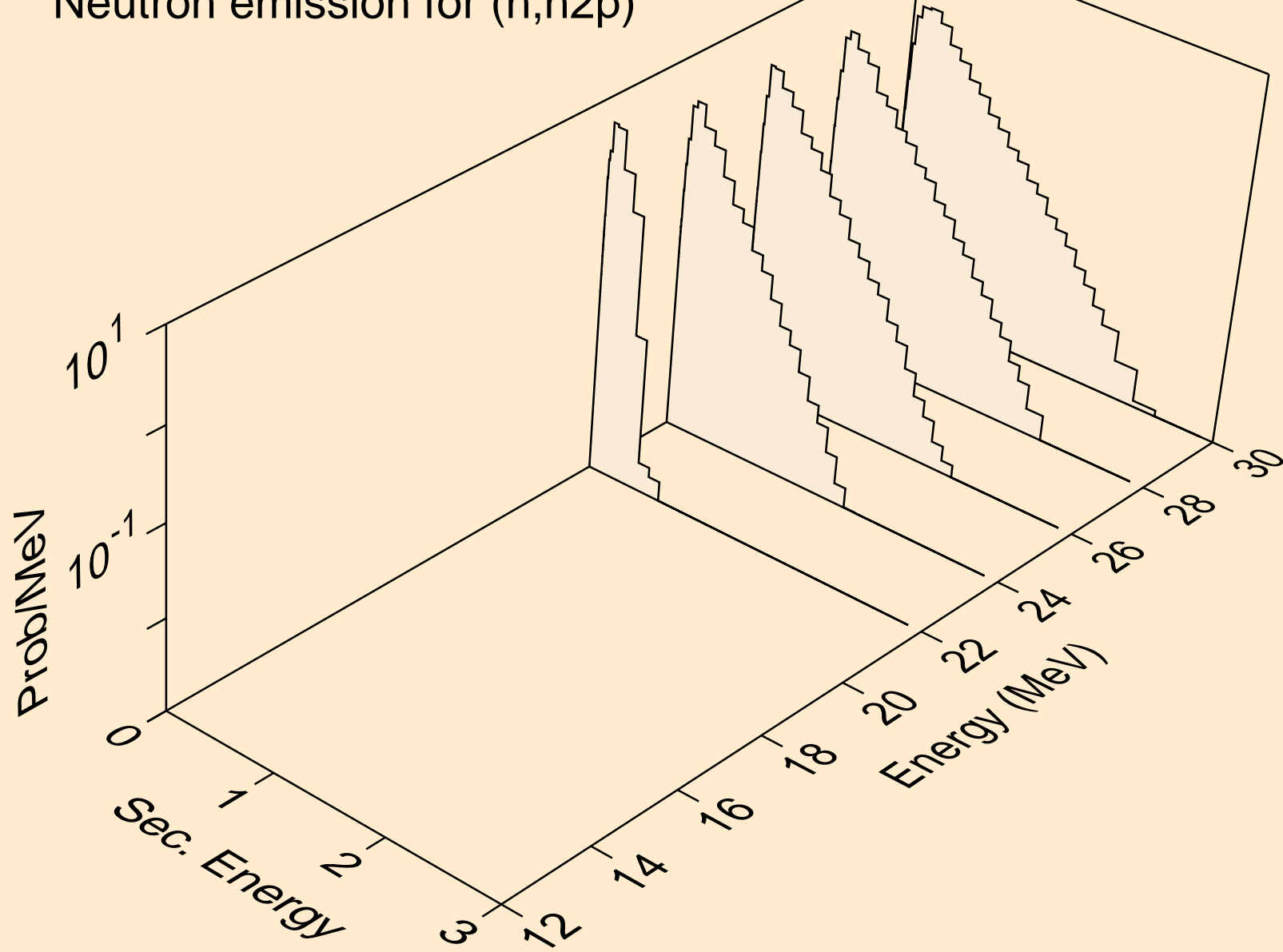




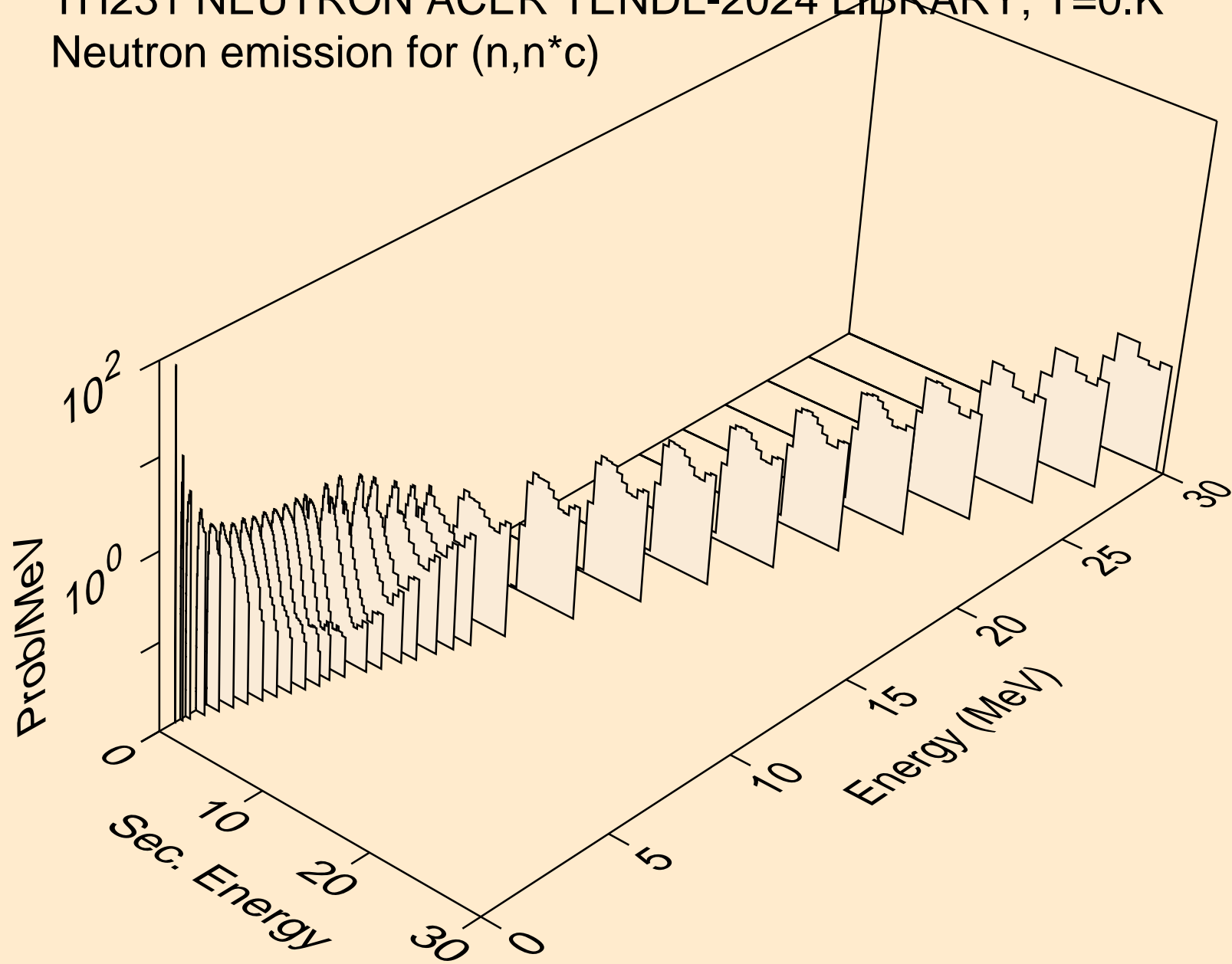
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)



TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)

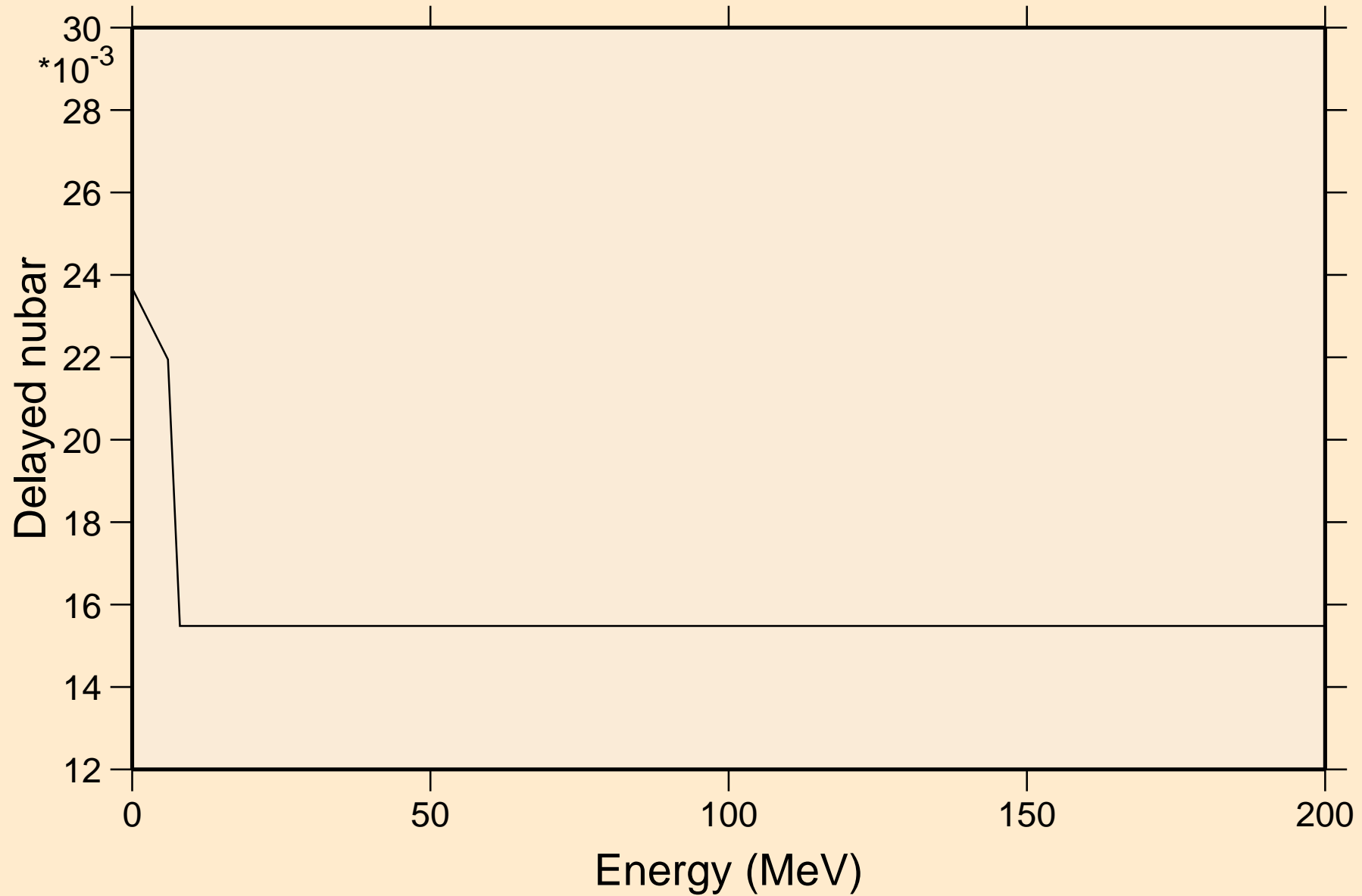


TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



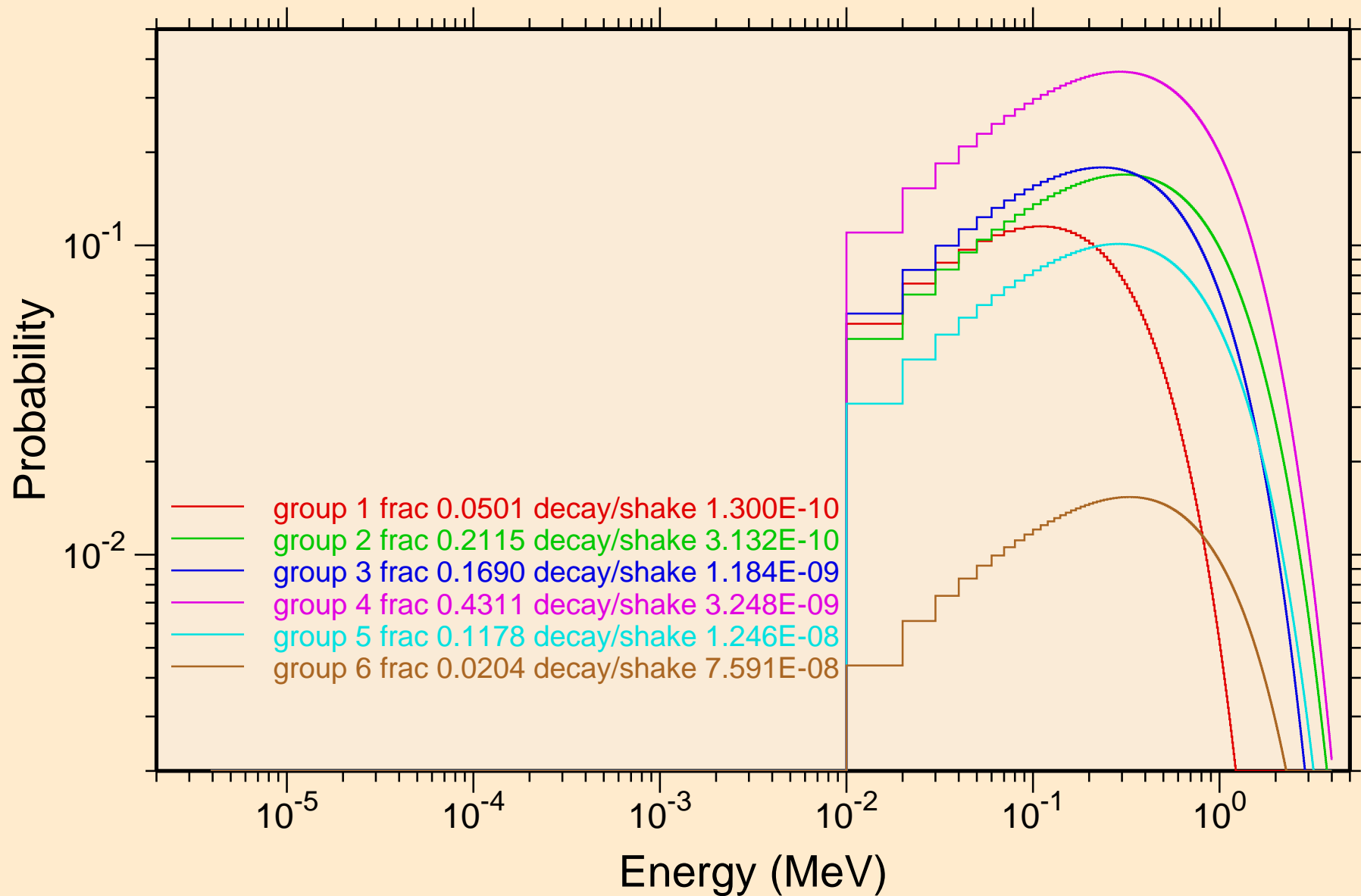
# TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Delayed nubar

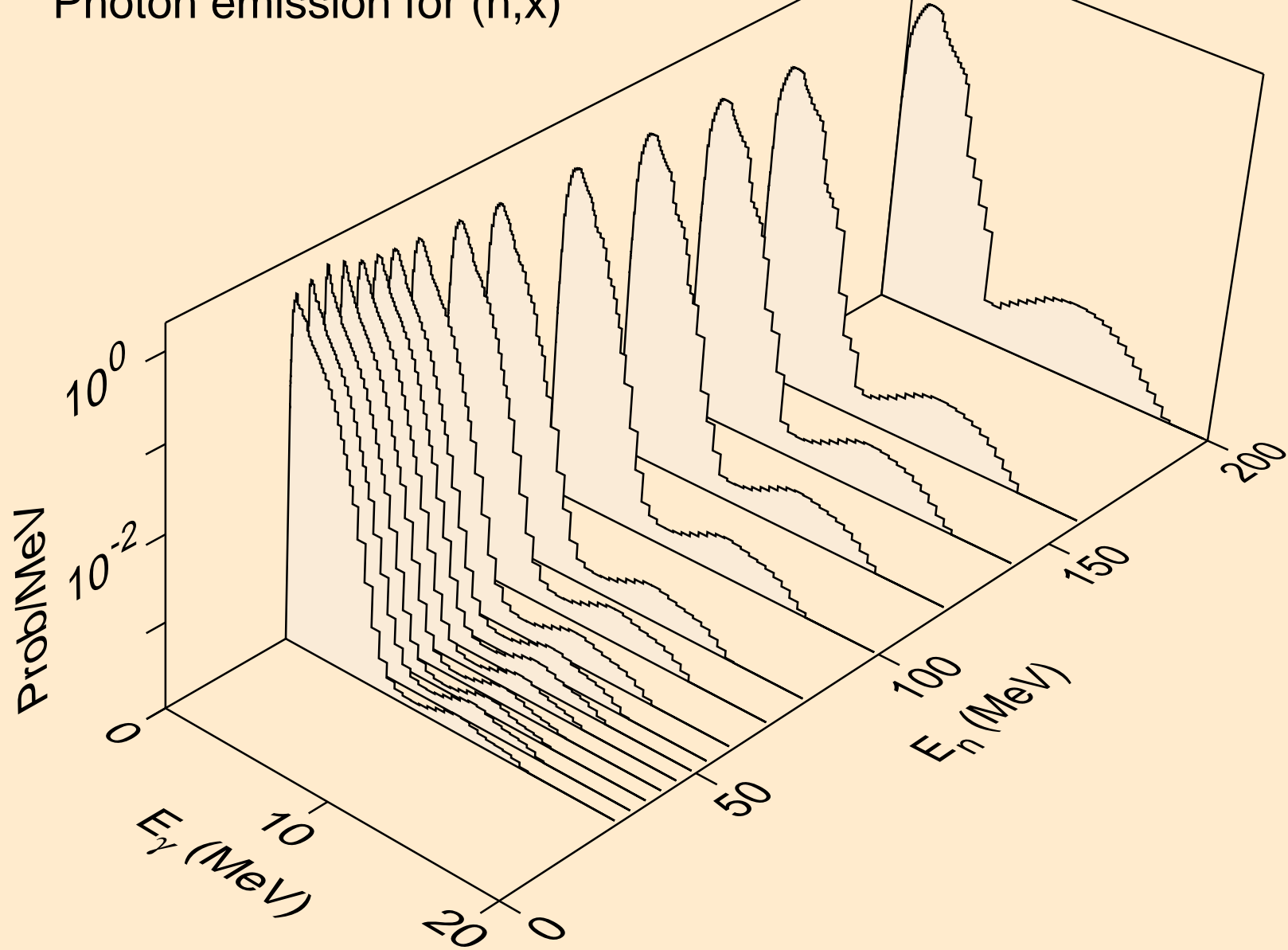


# TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

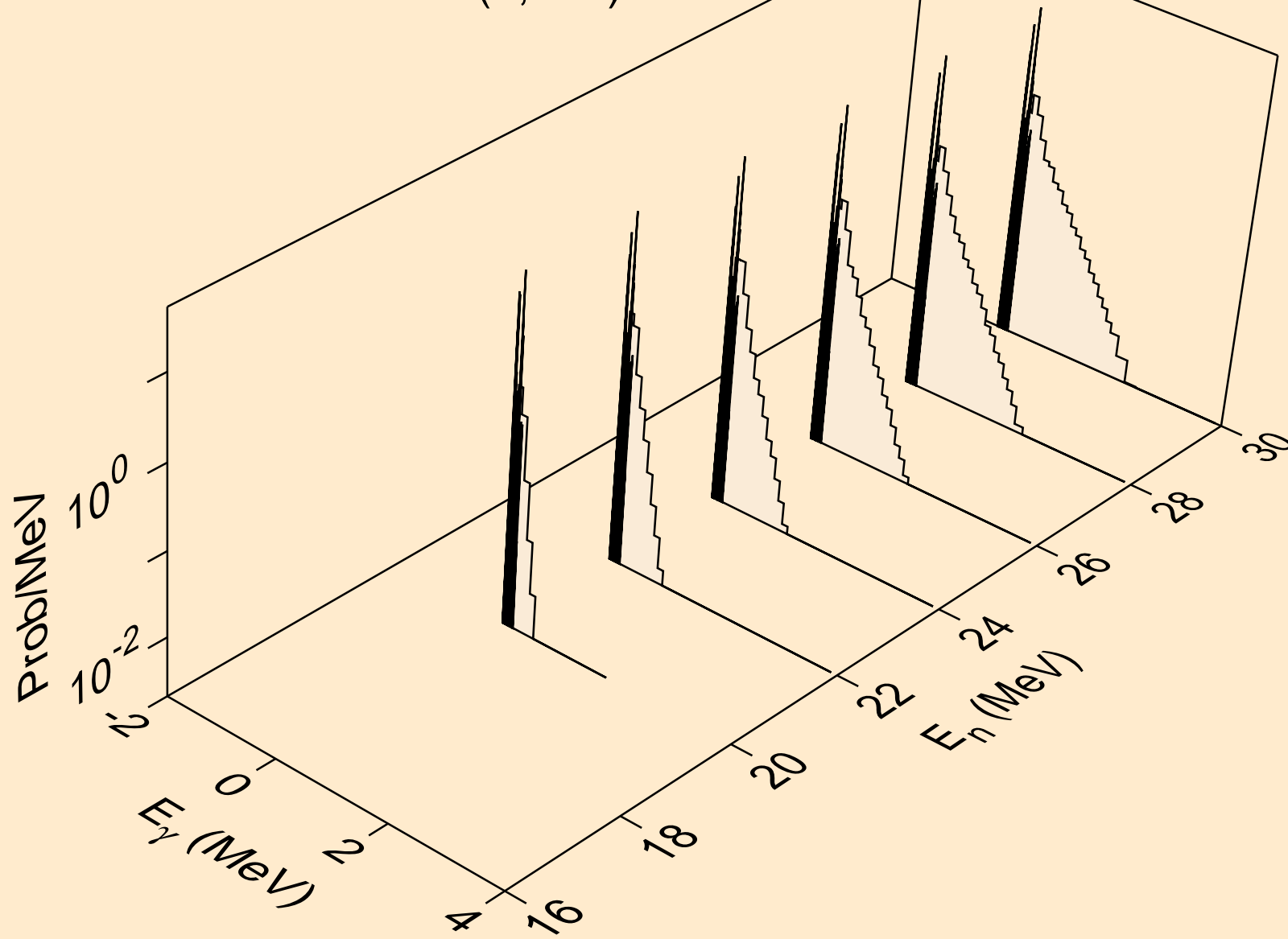
## Delayed neutron spectra



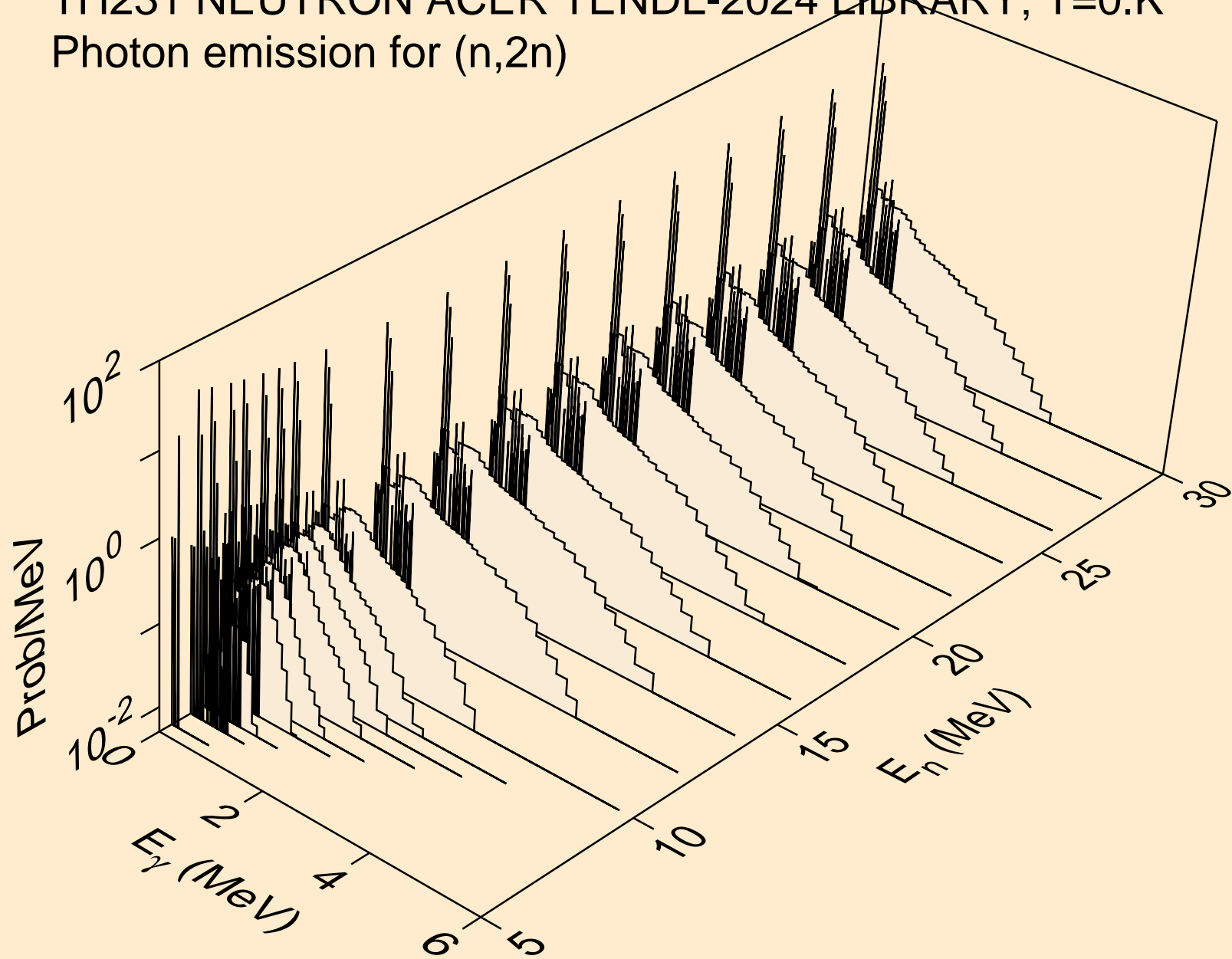
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)

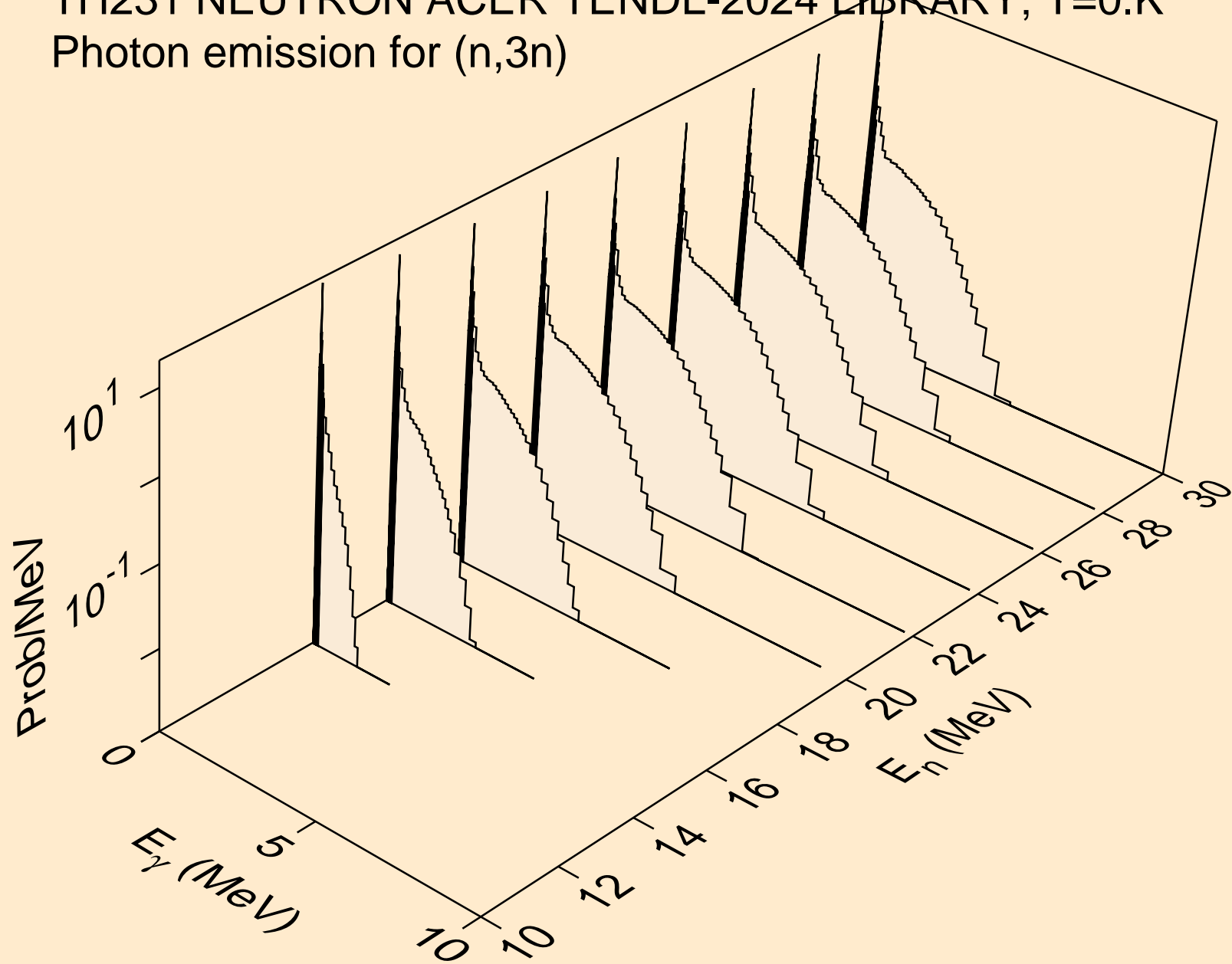


TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)

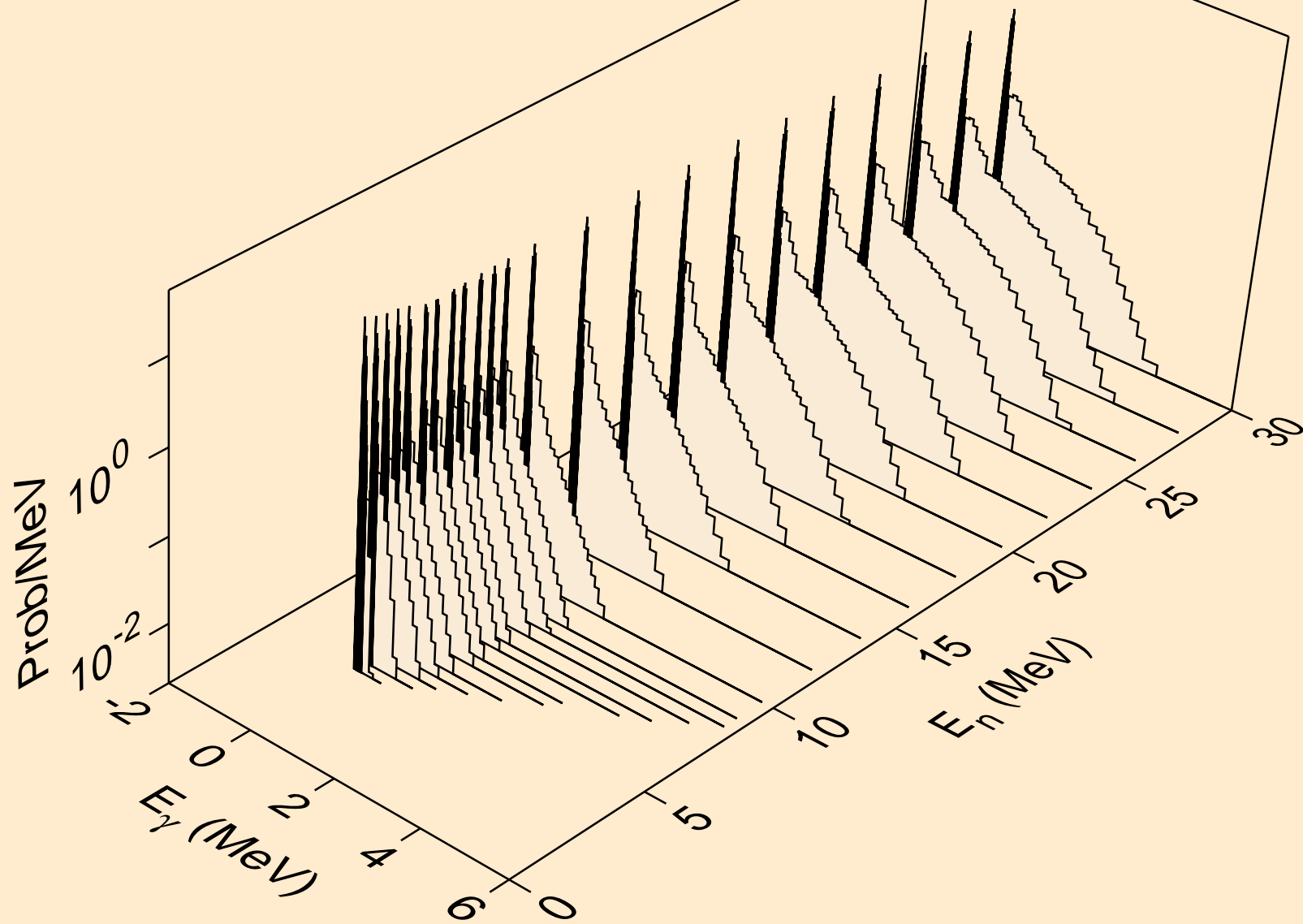




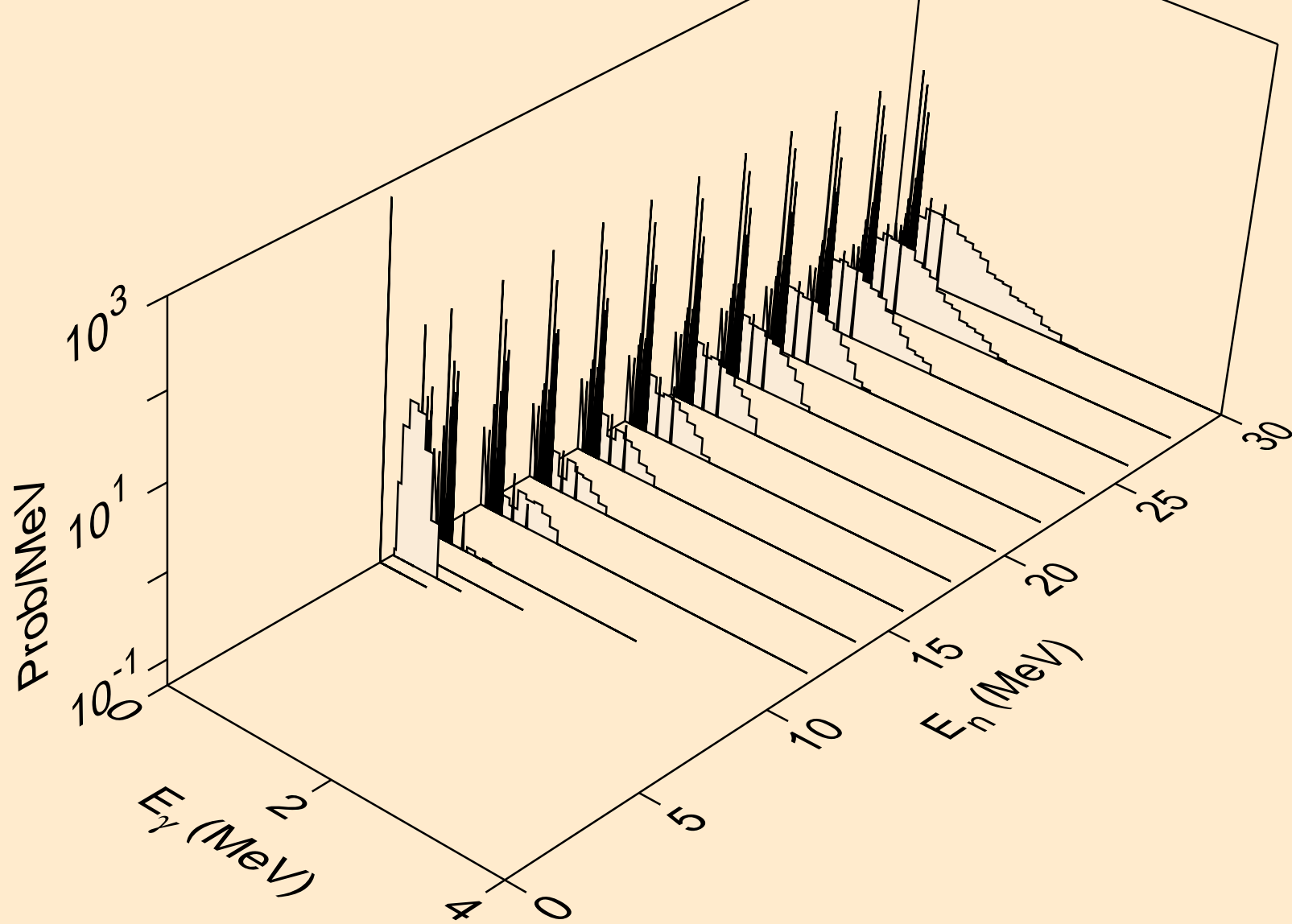
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



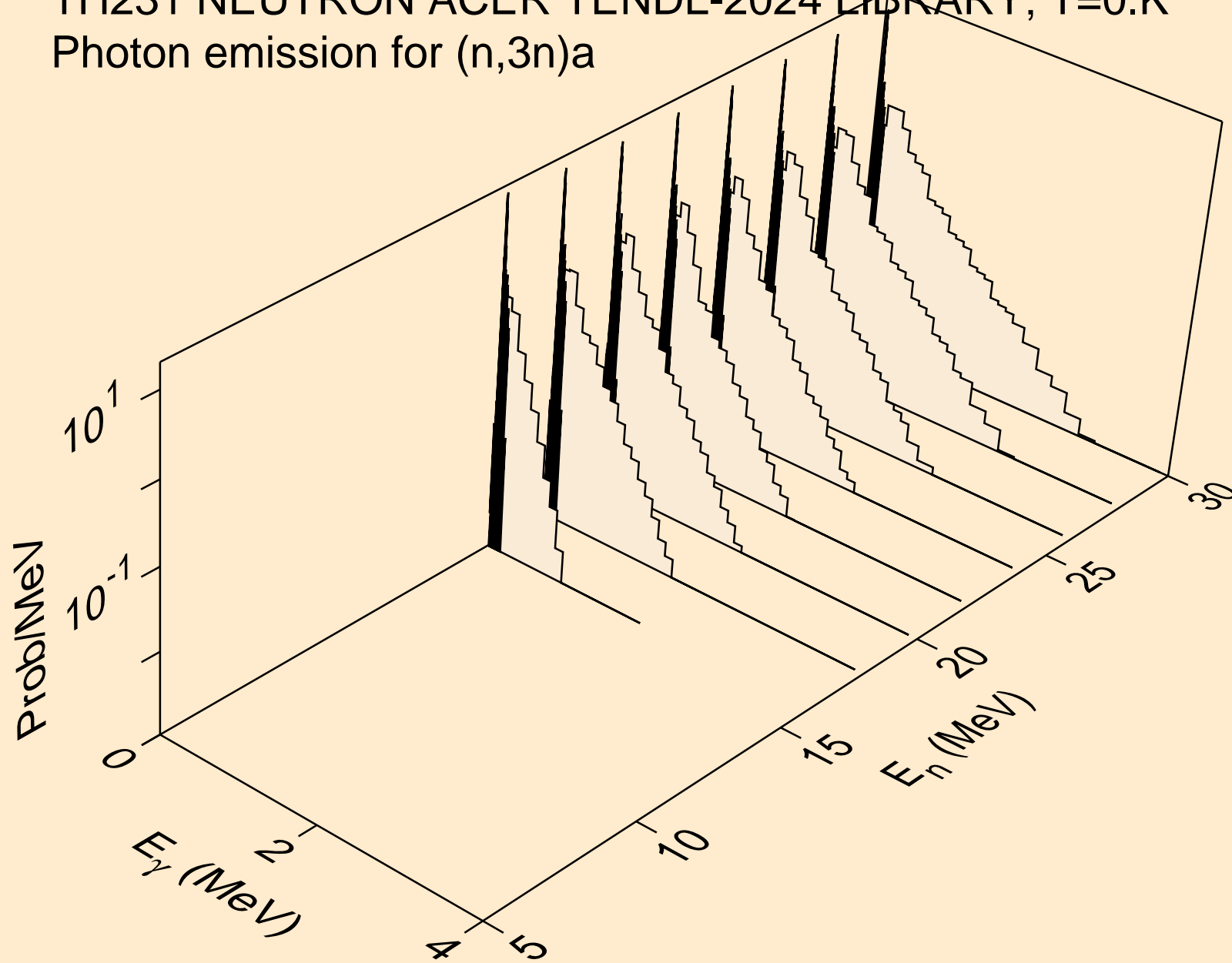
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



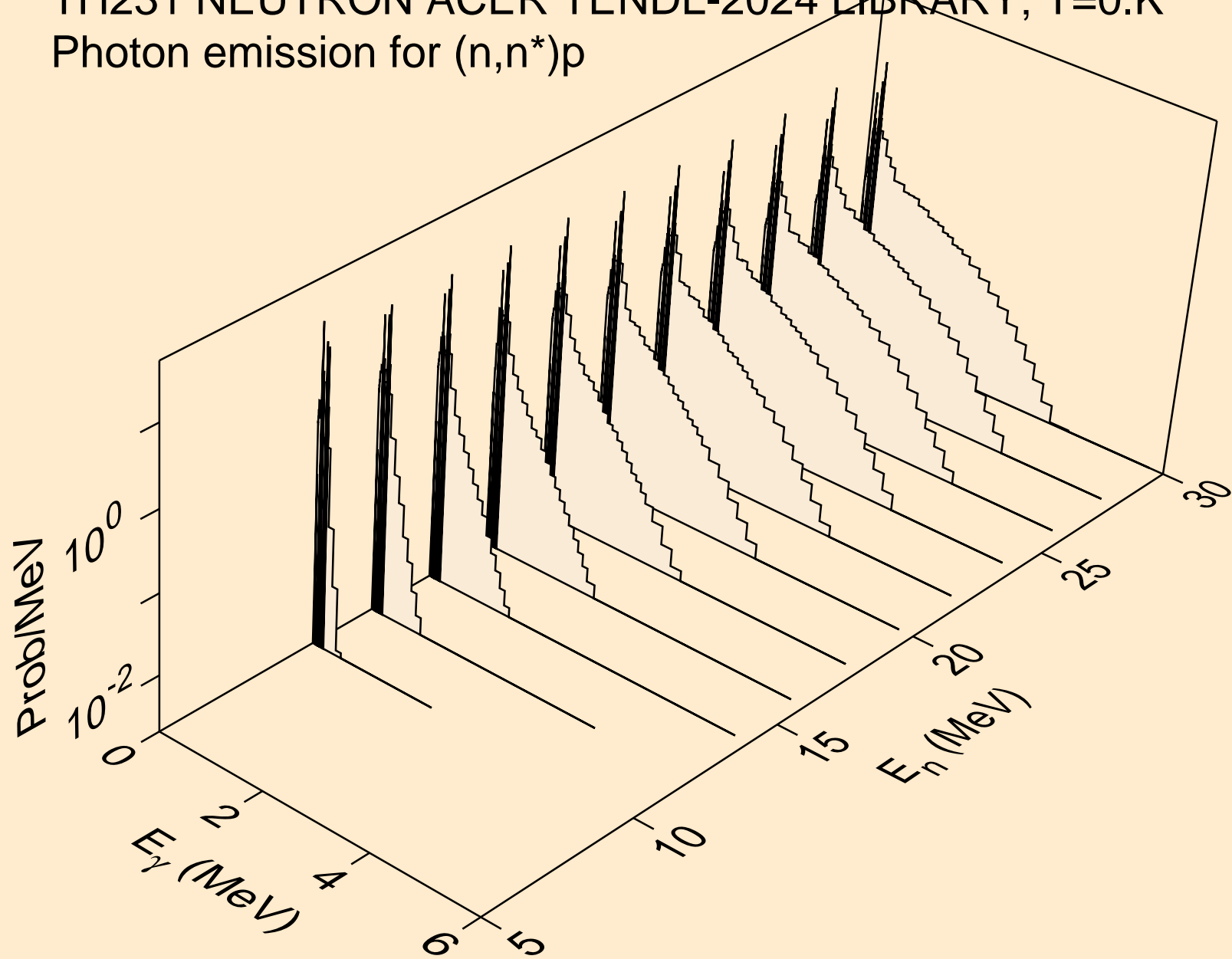
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n) $\alpha$



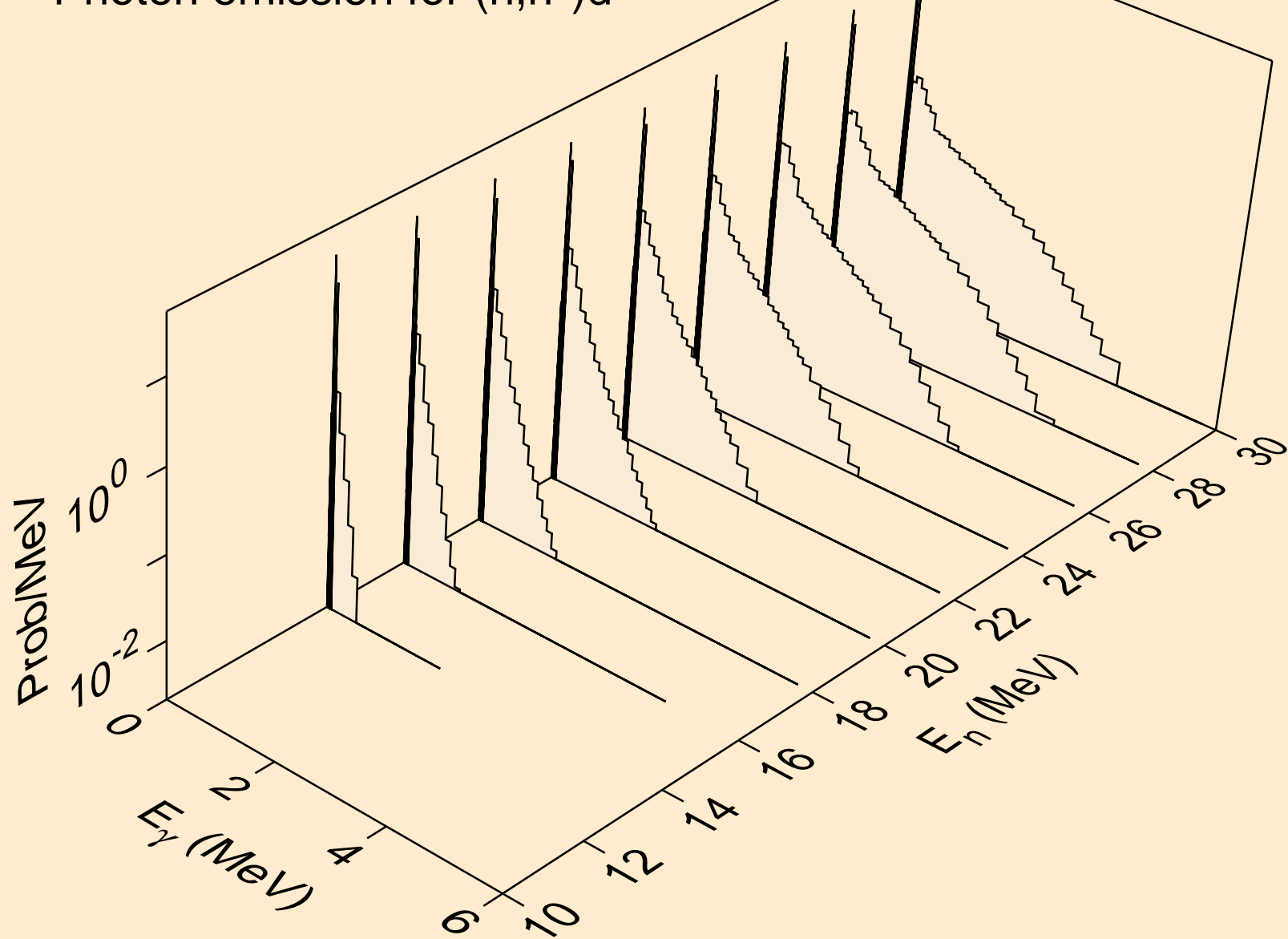
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a



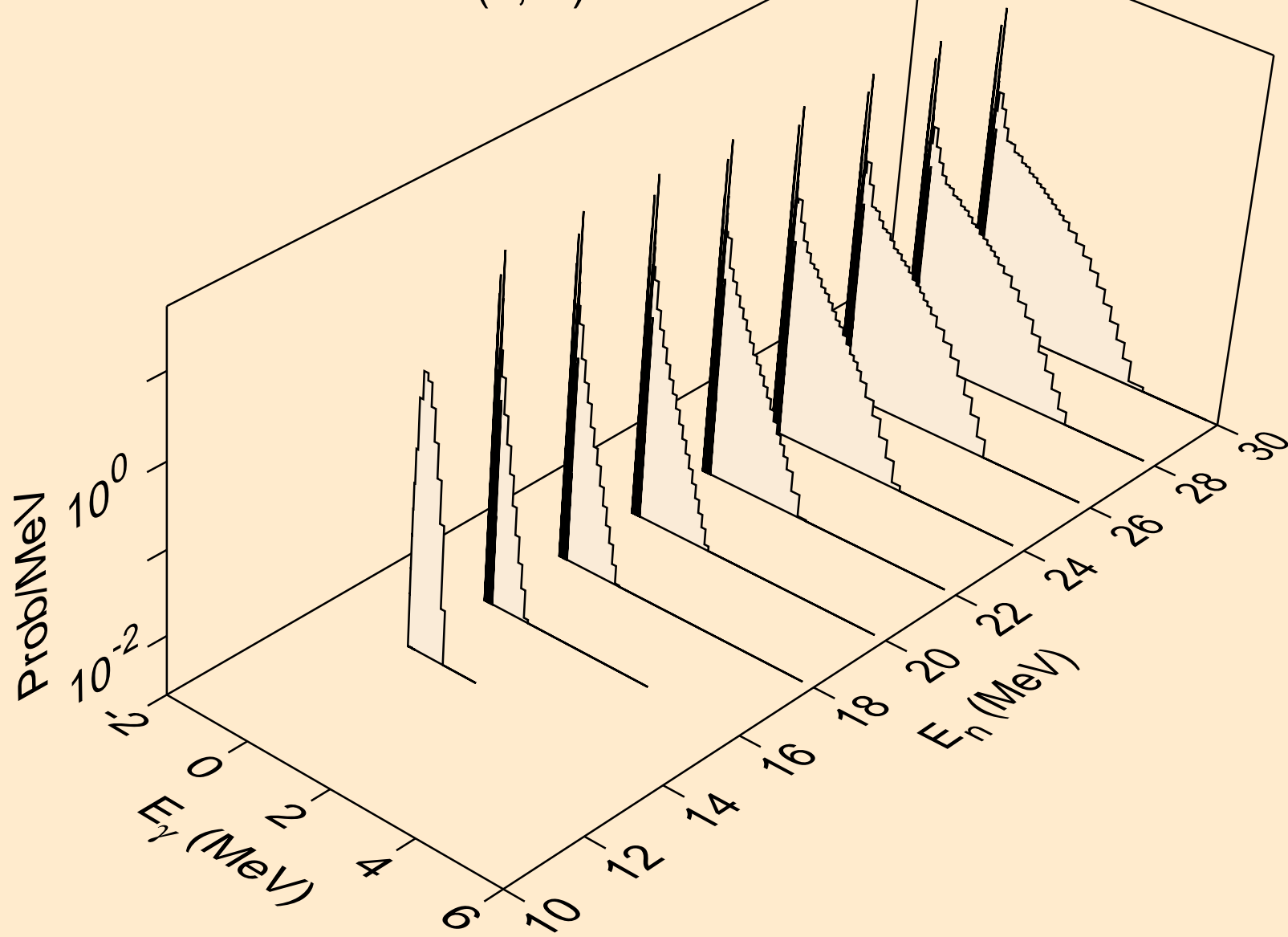
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



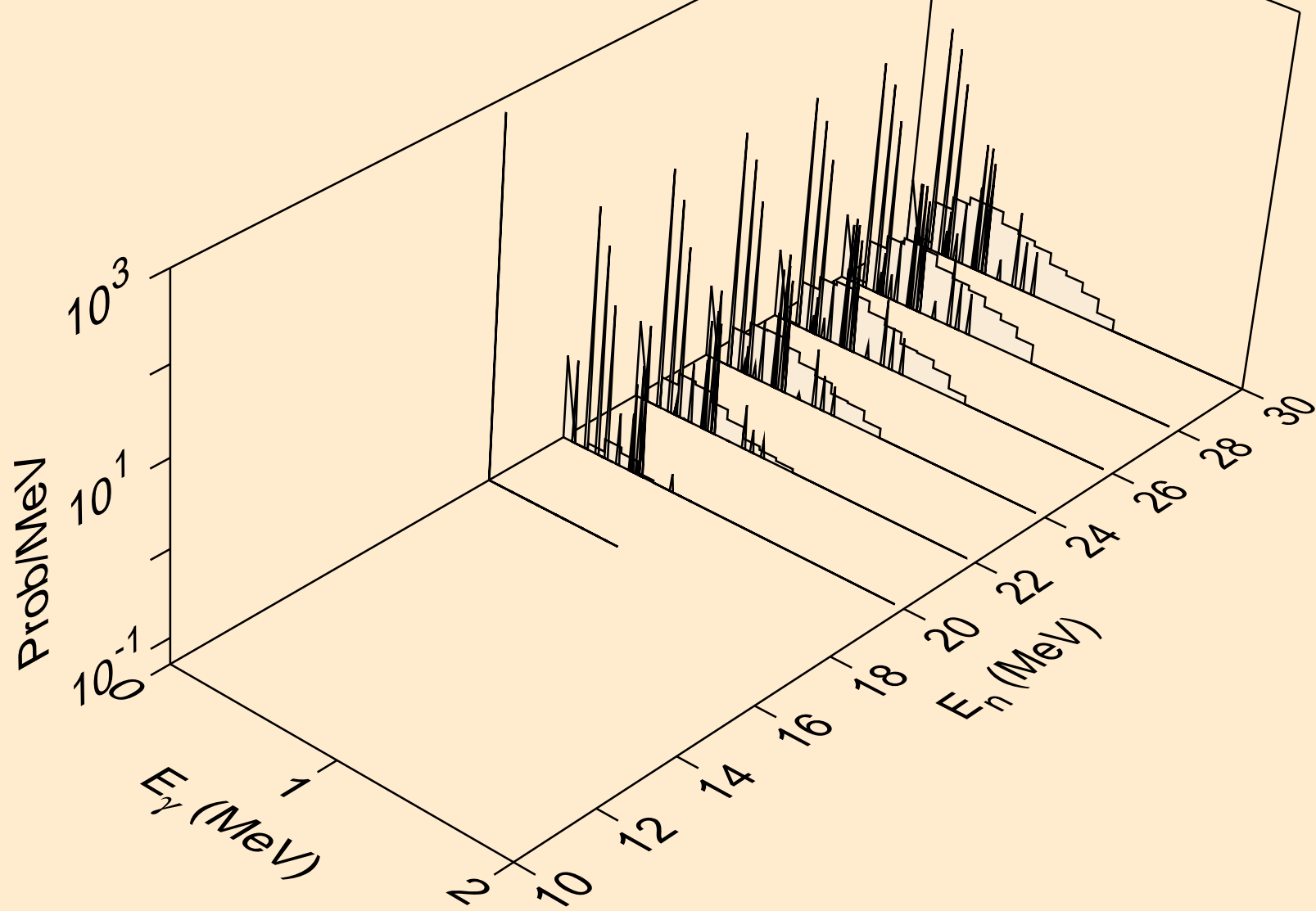
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

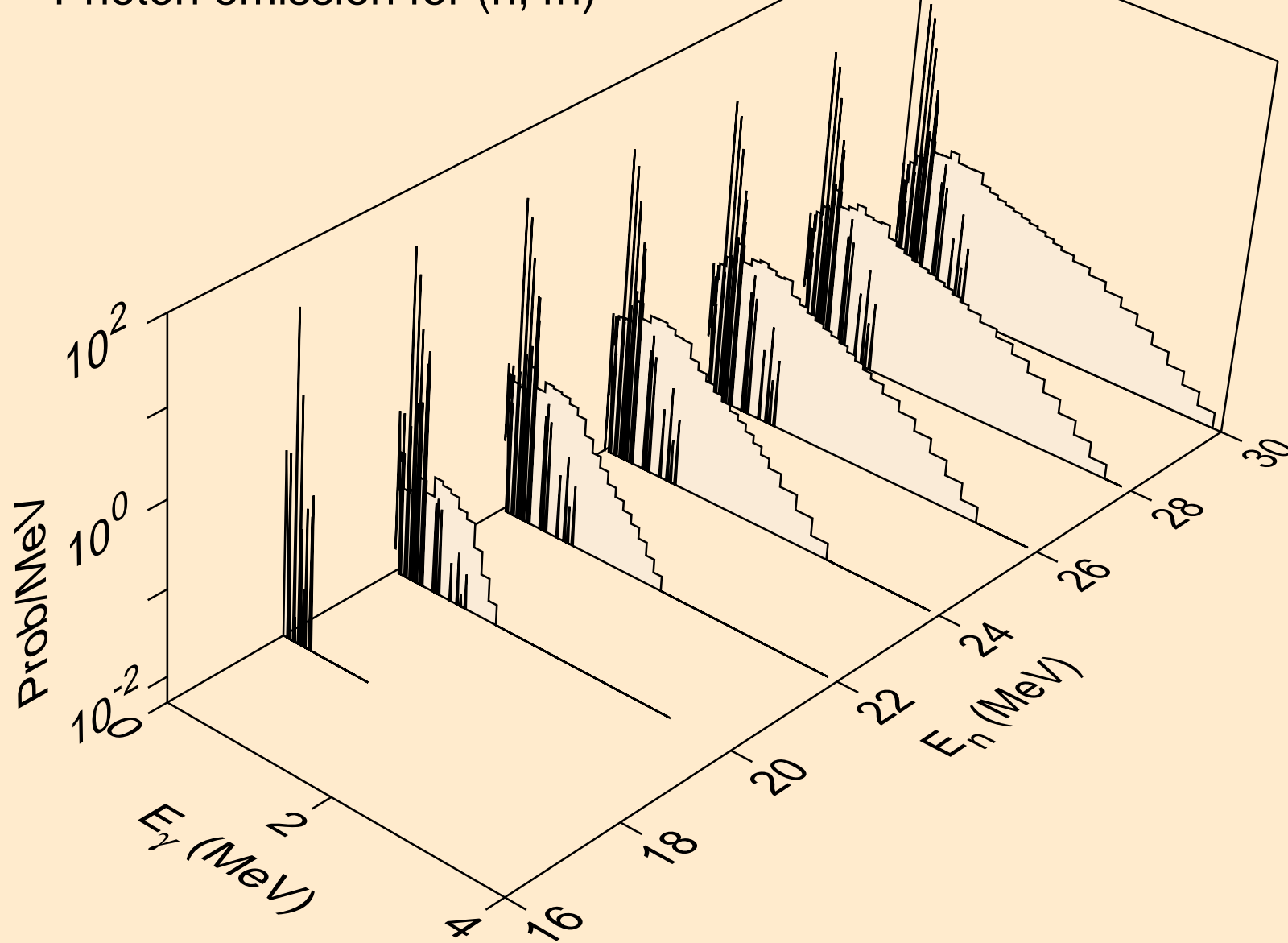


TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

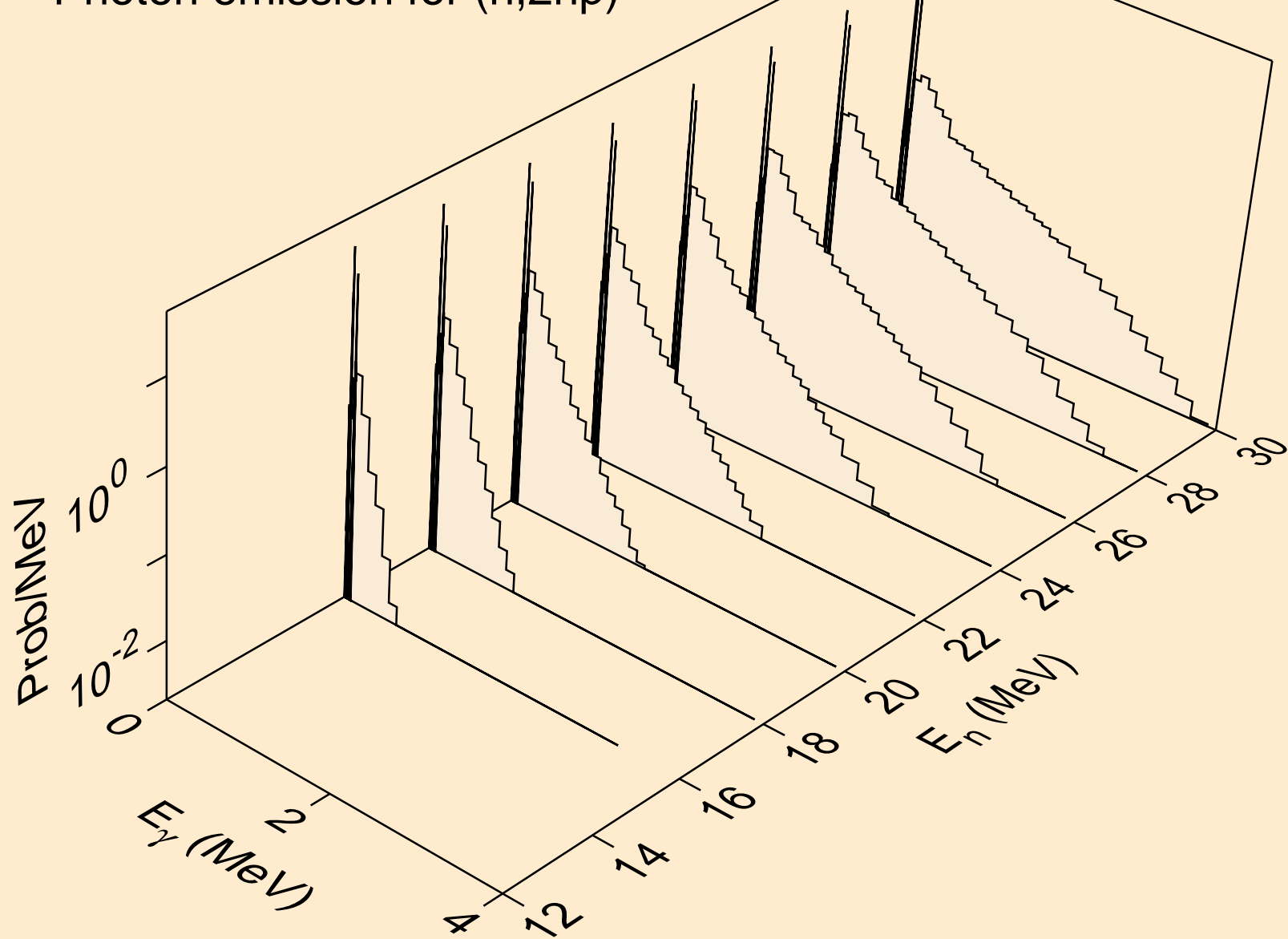




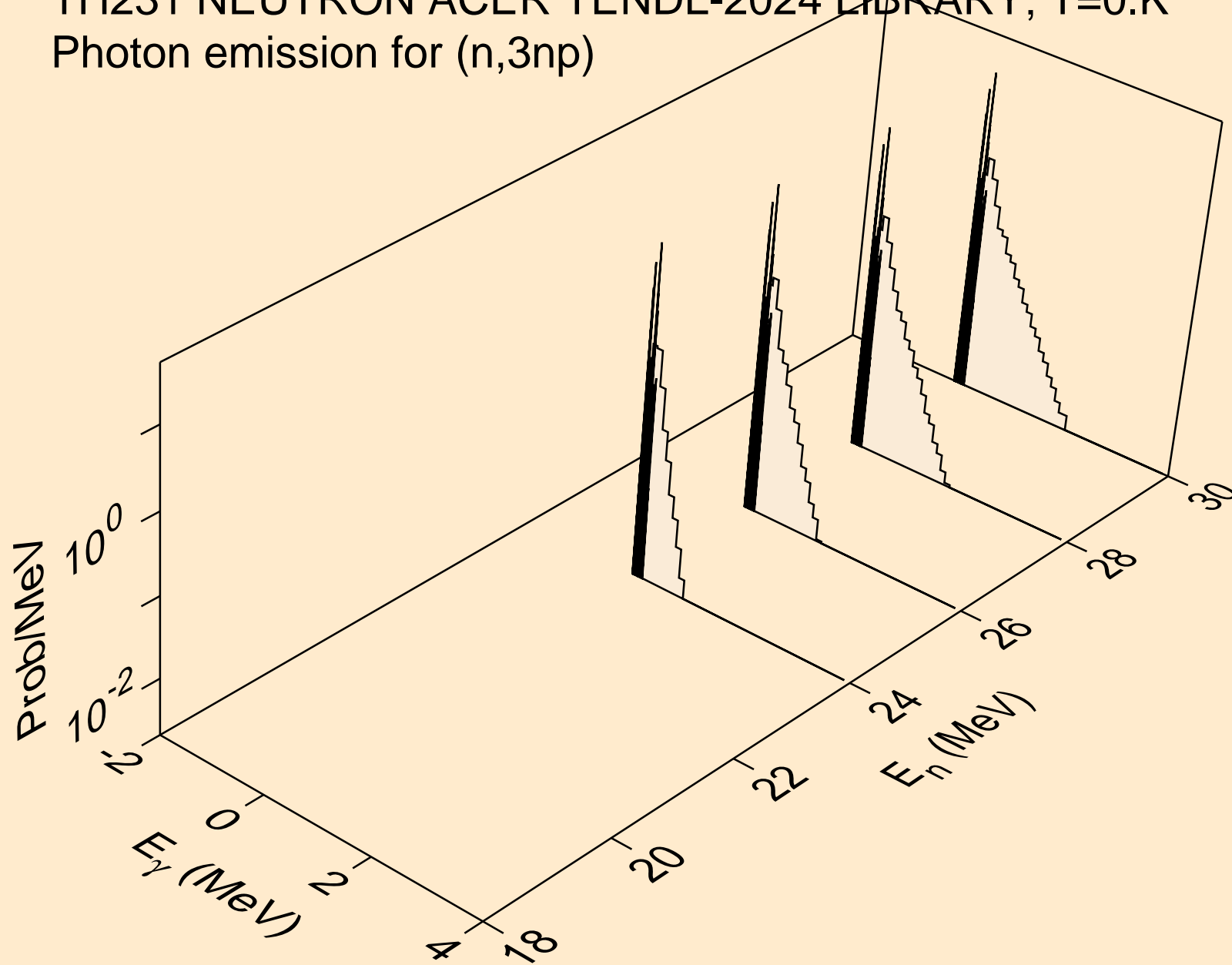
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



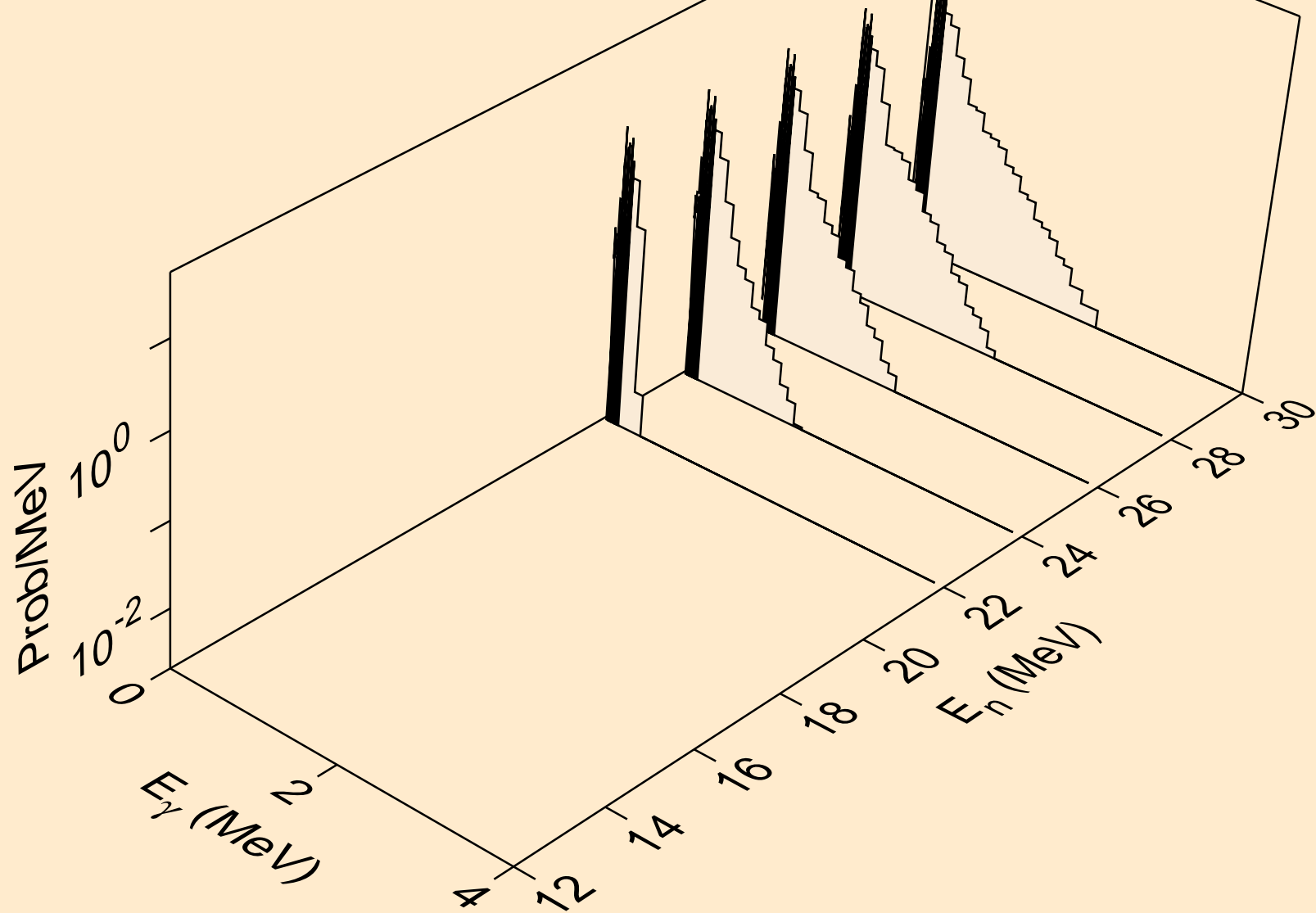
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



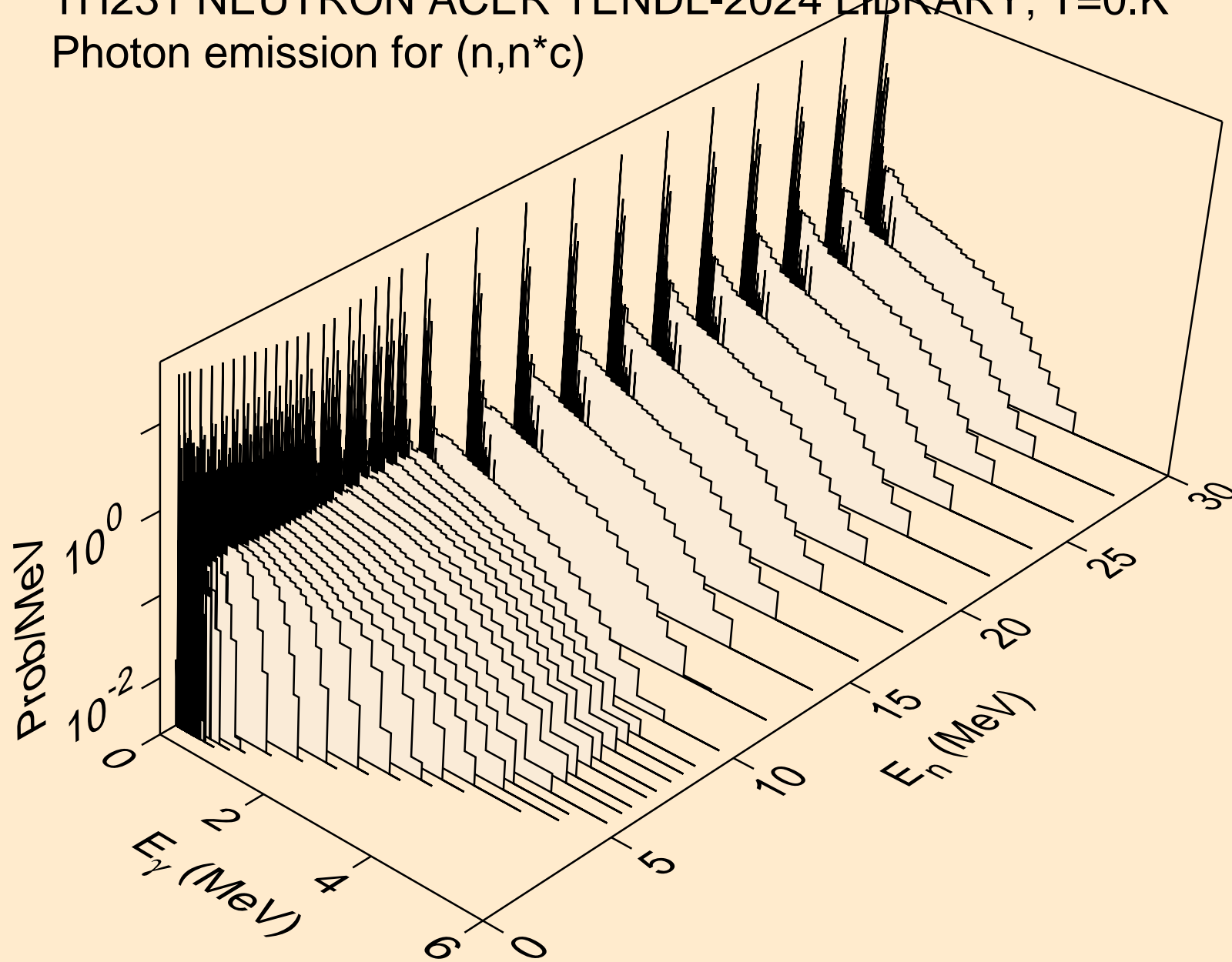
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)



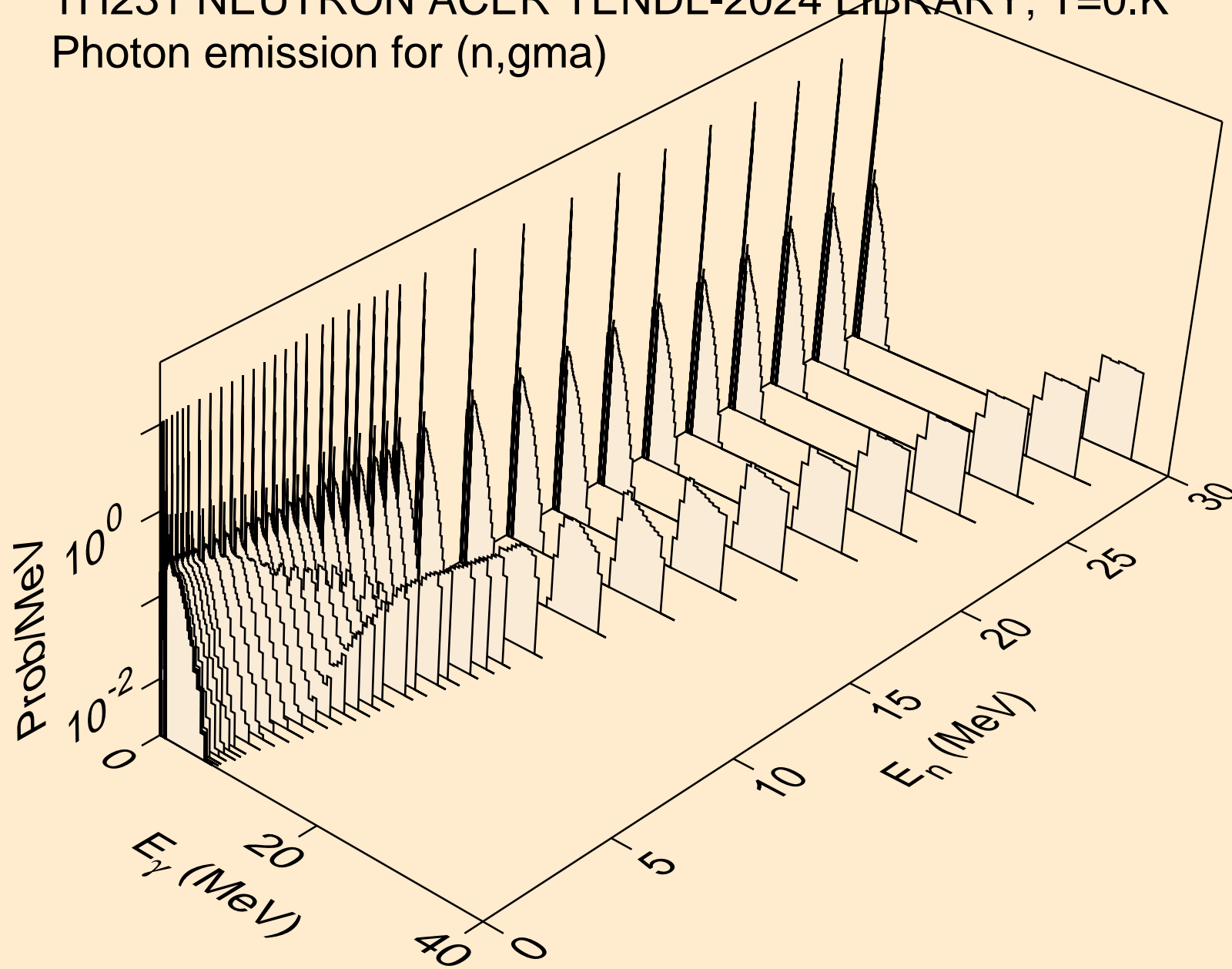
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



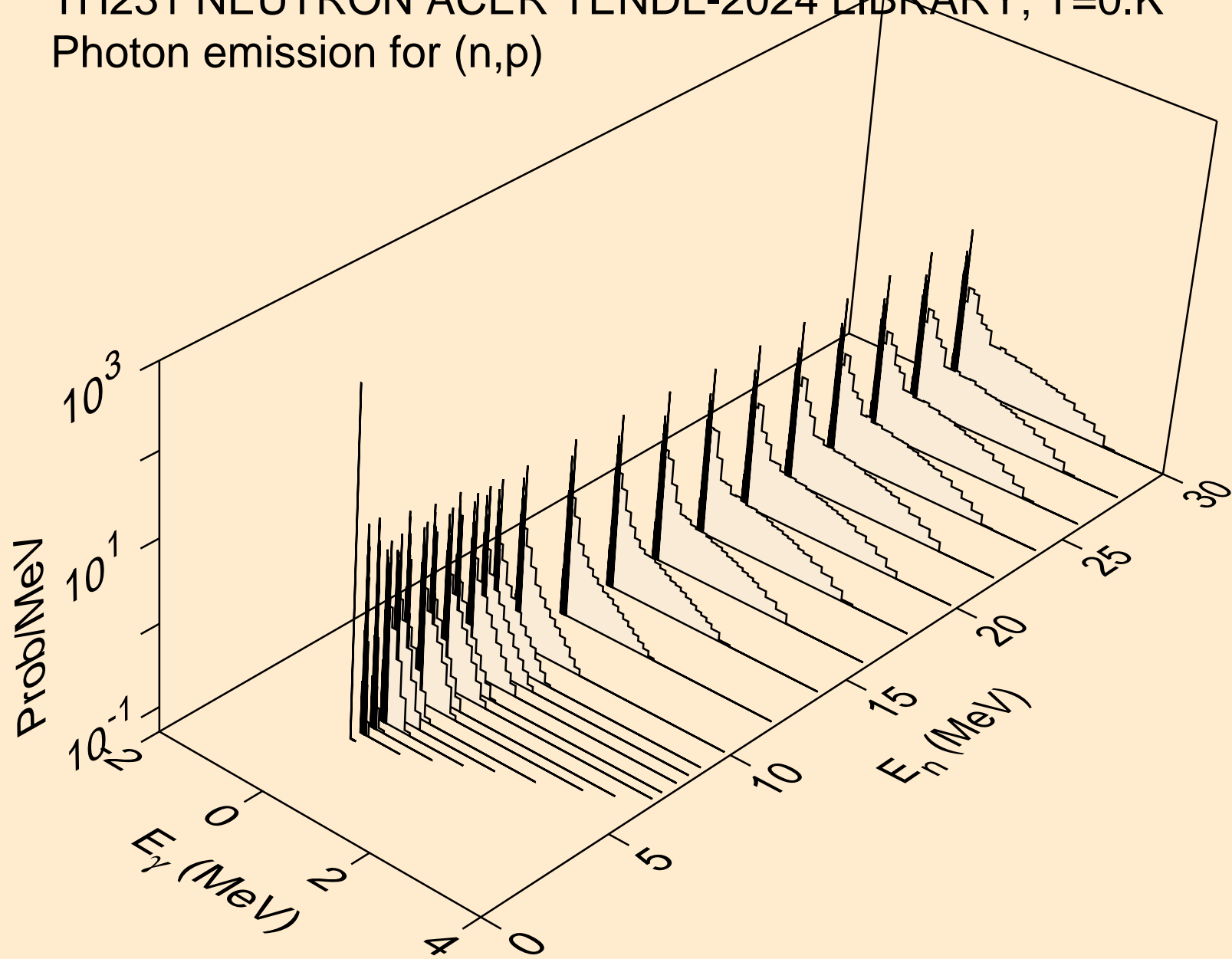
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



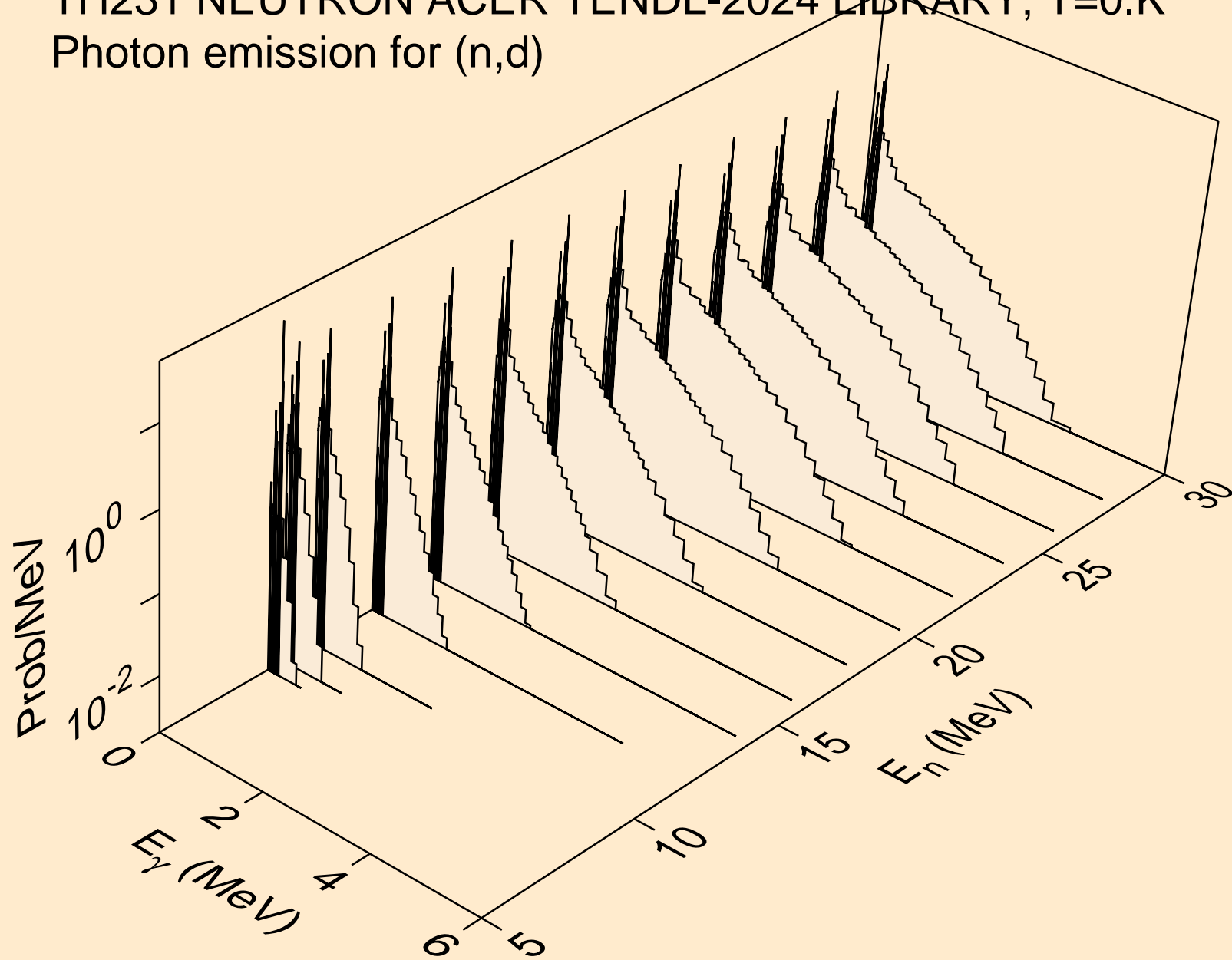
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)

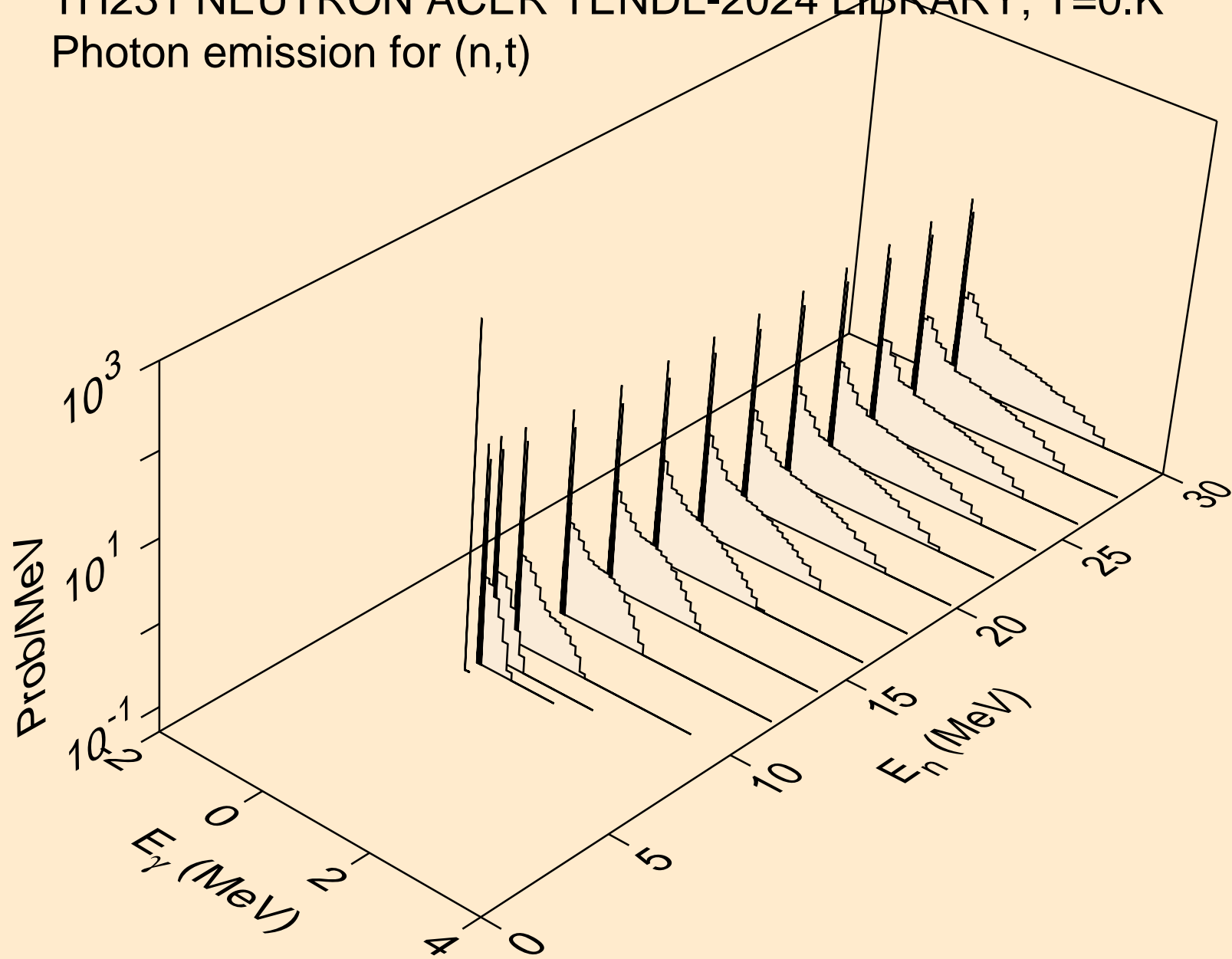


TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)

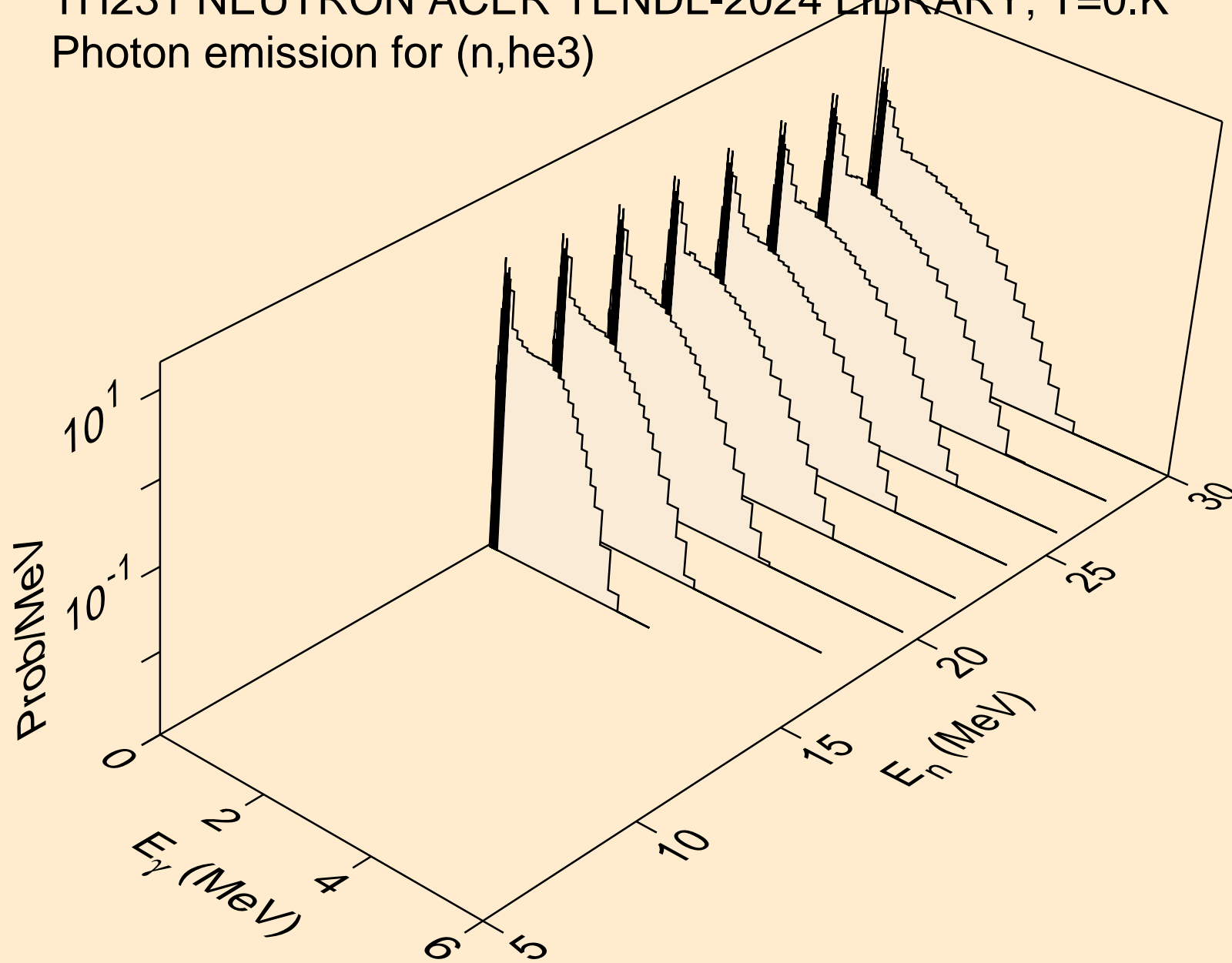




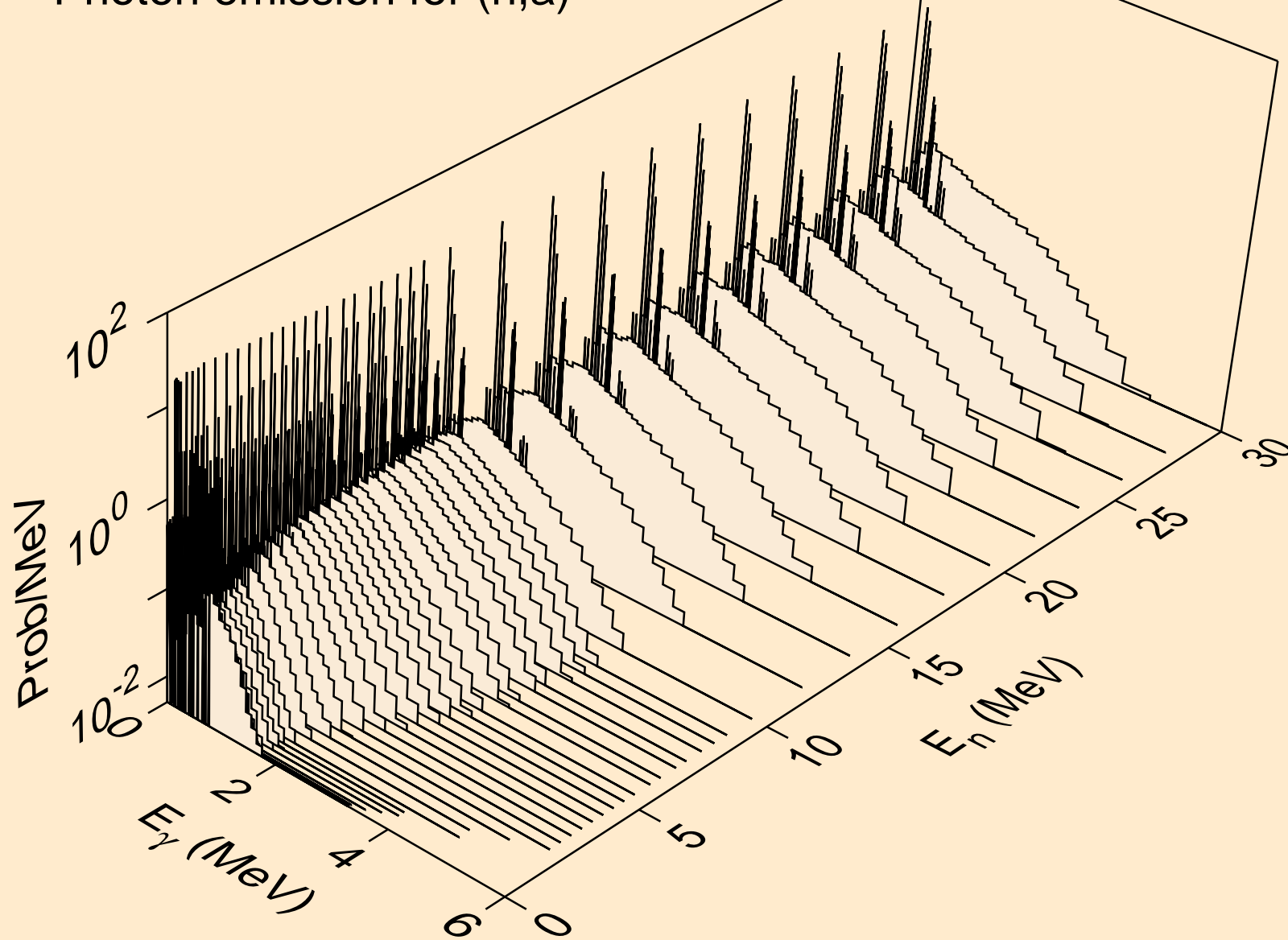
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



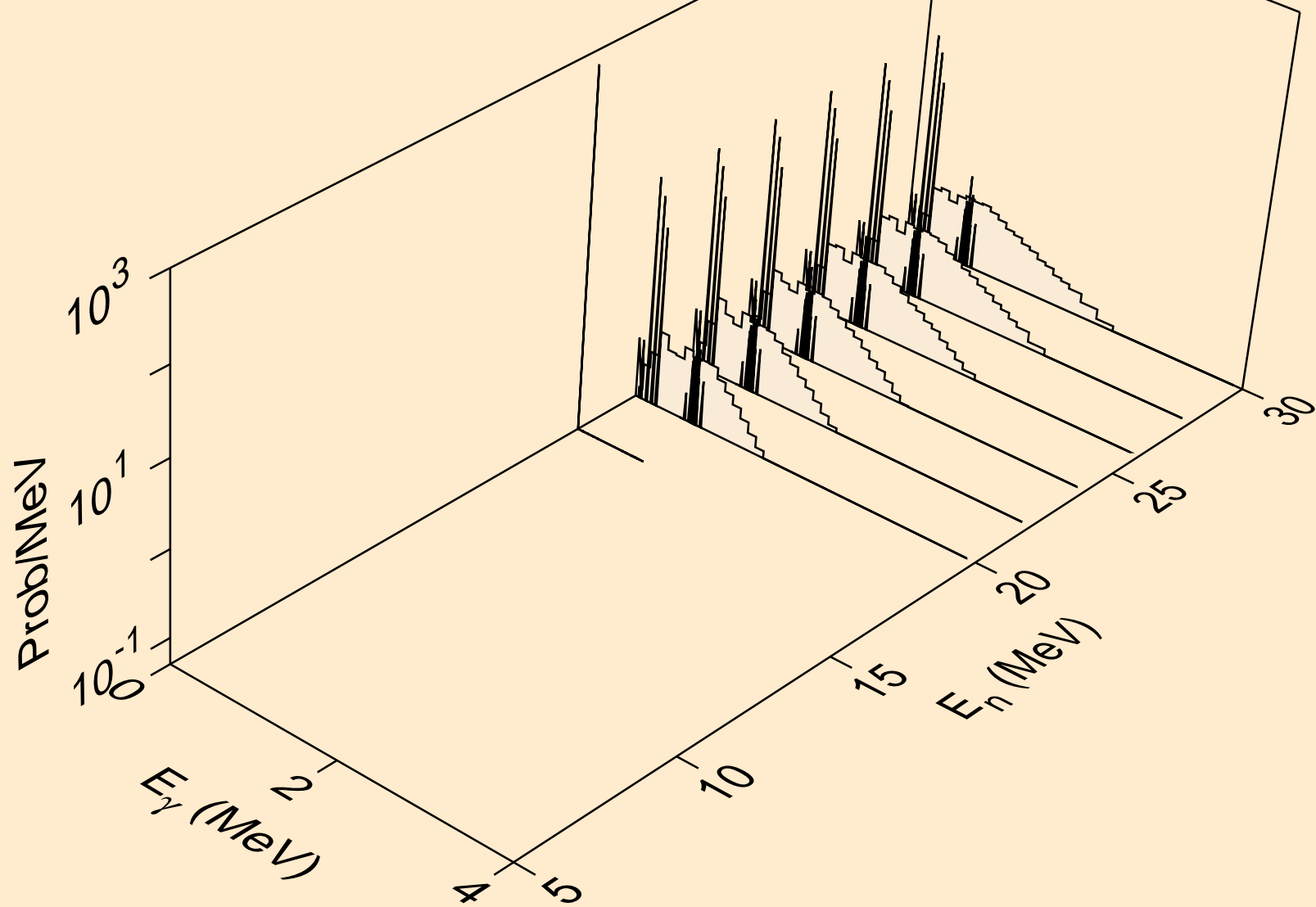
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



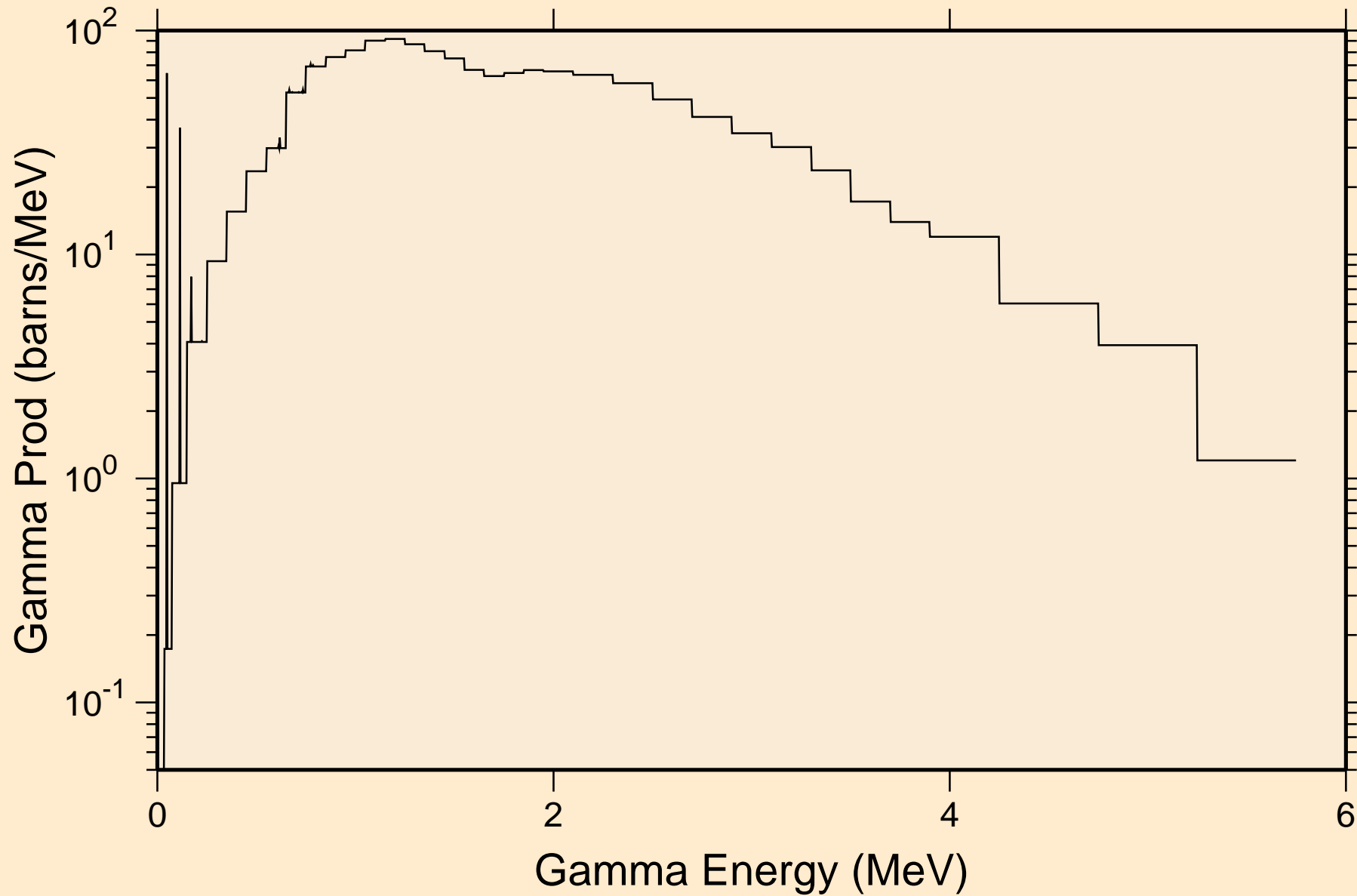
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



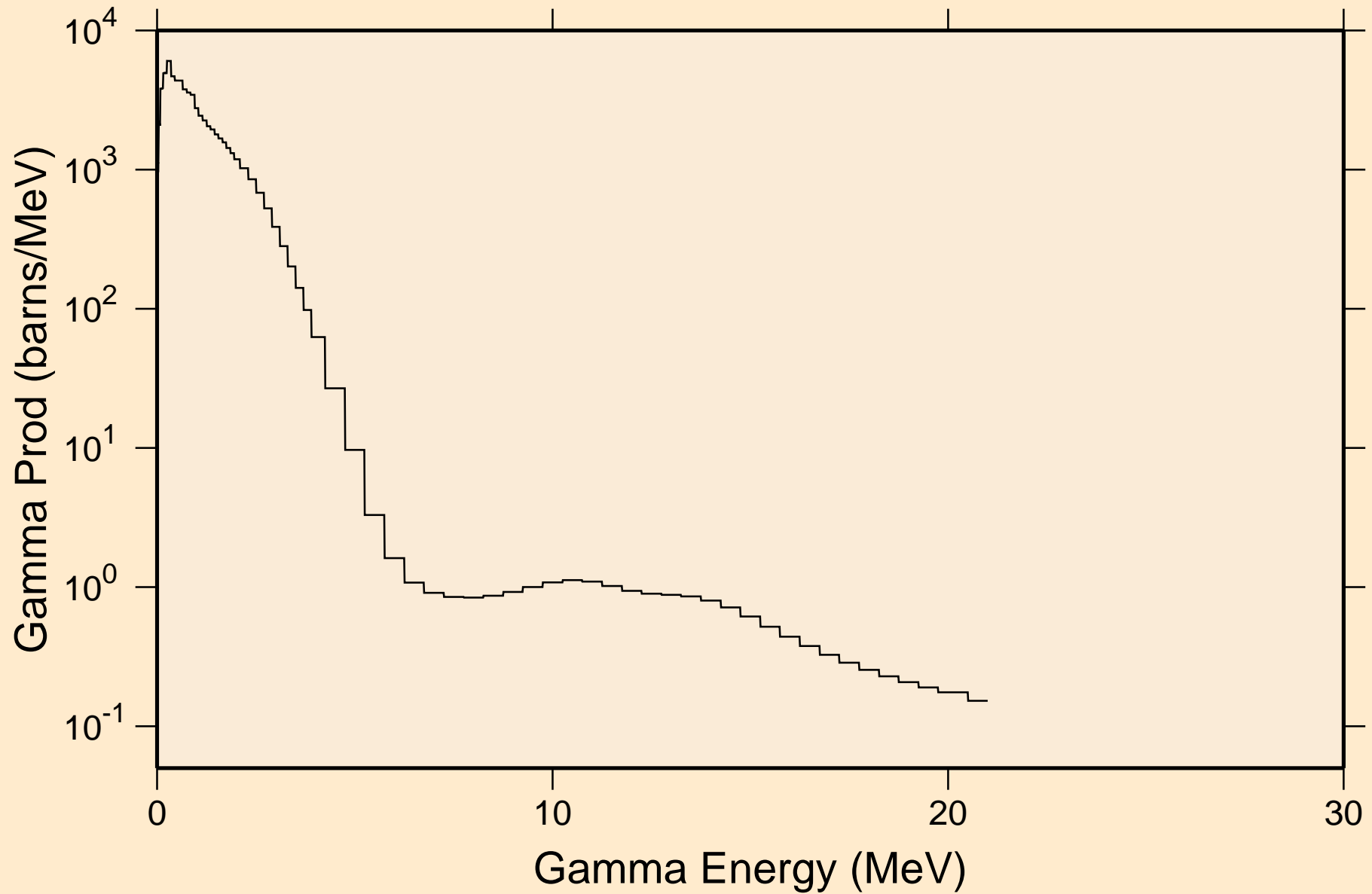
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

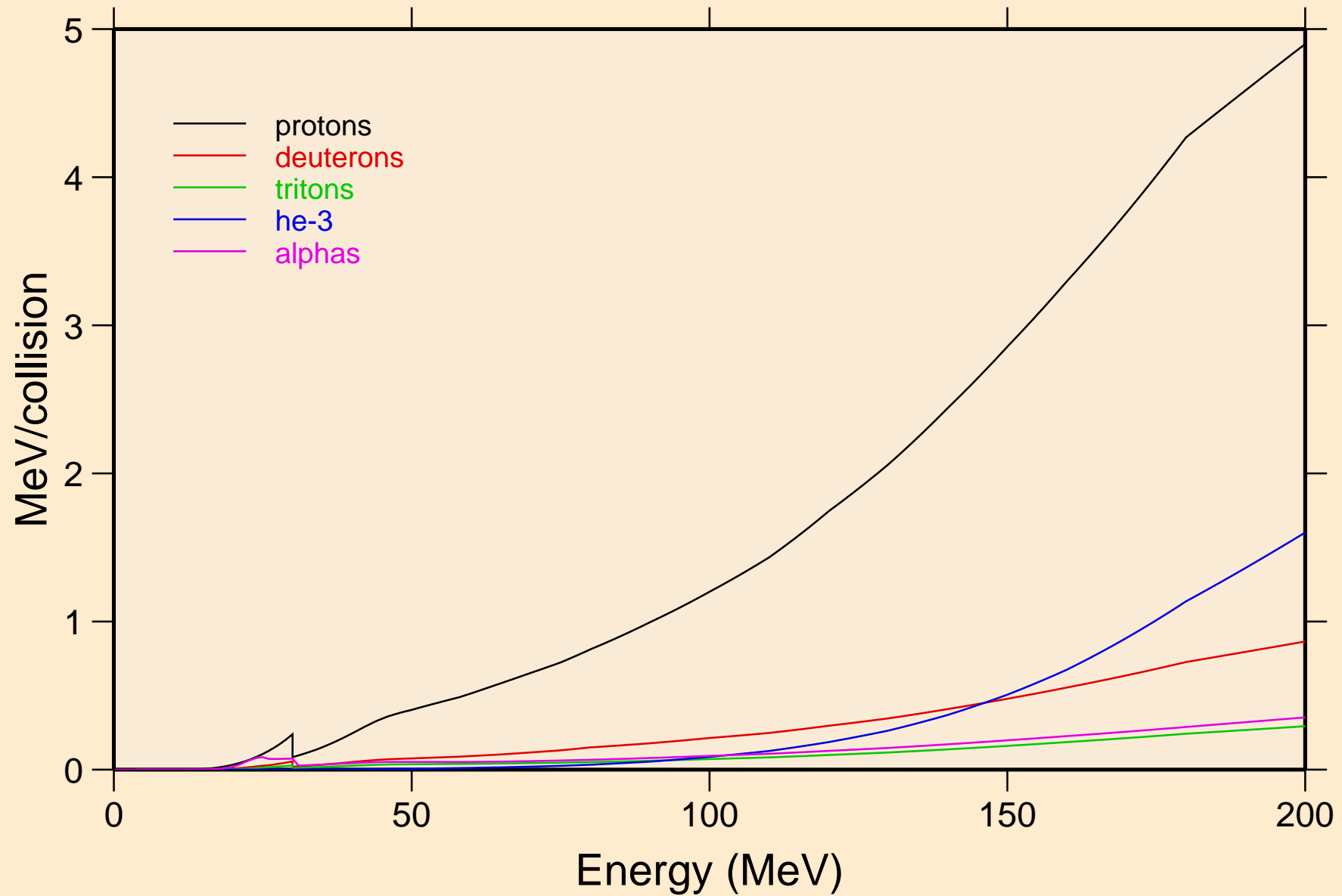


TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum

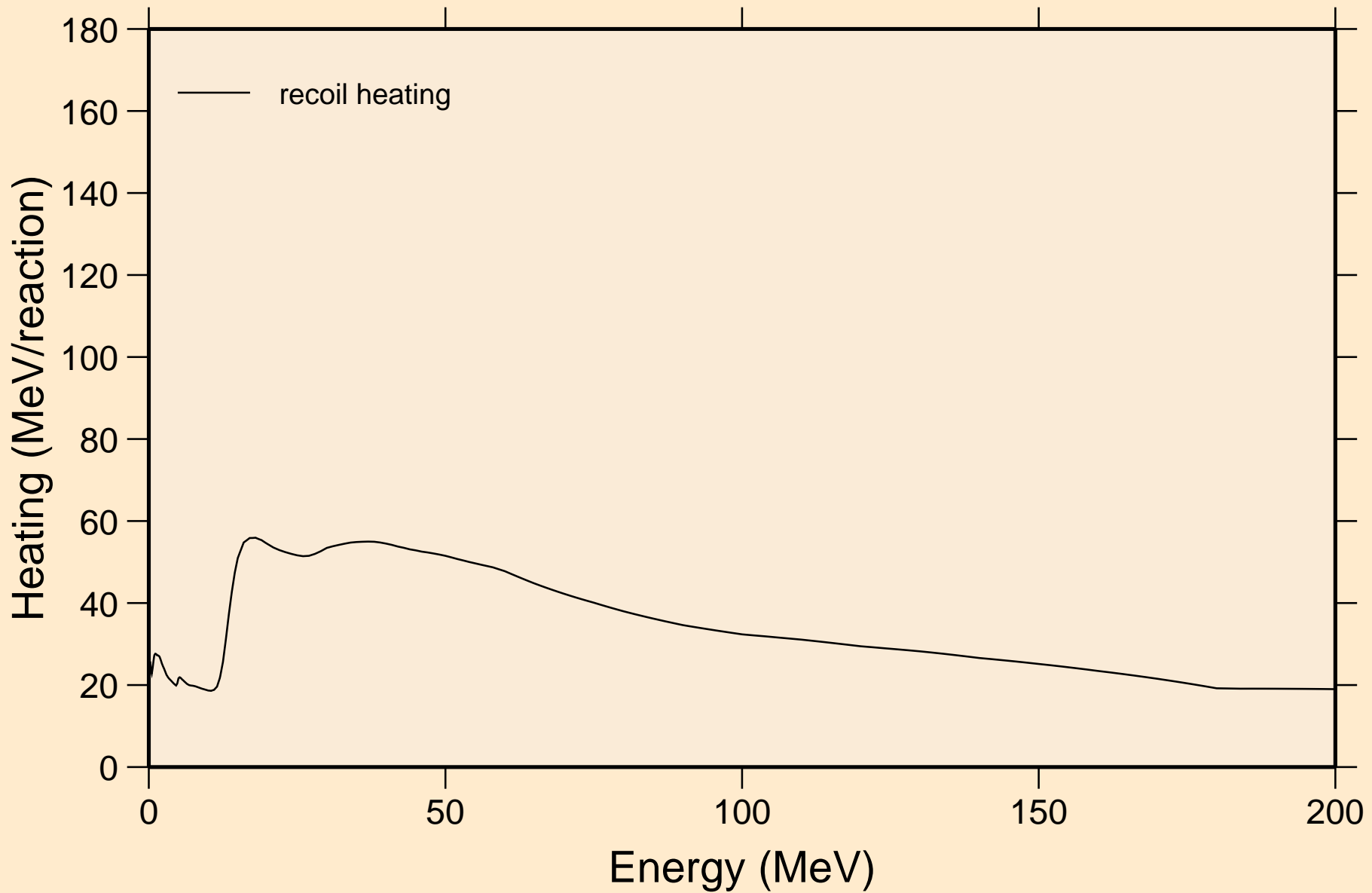


# TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions



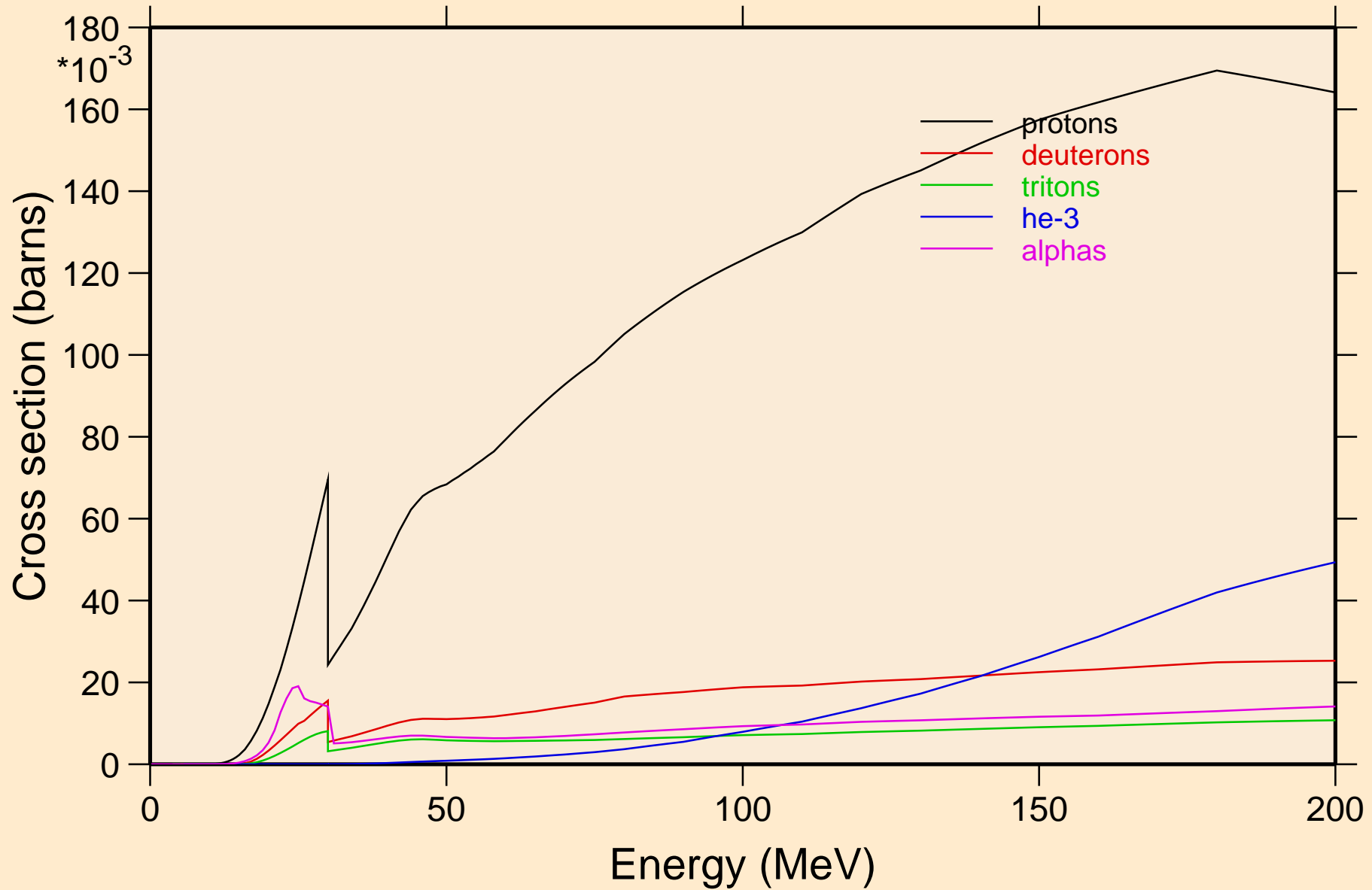
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating



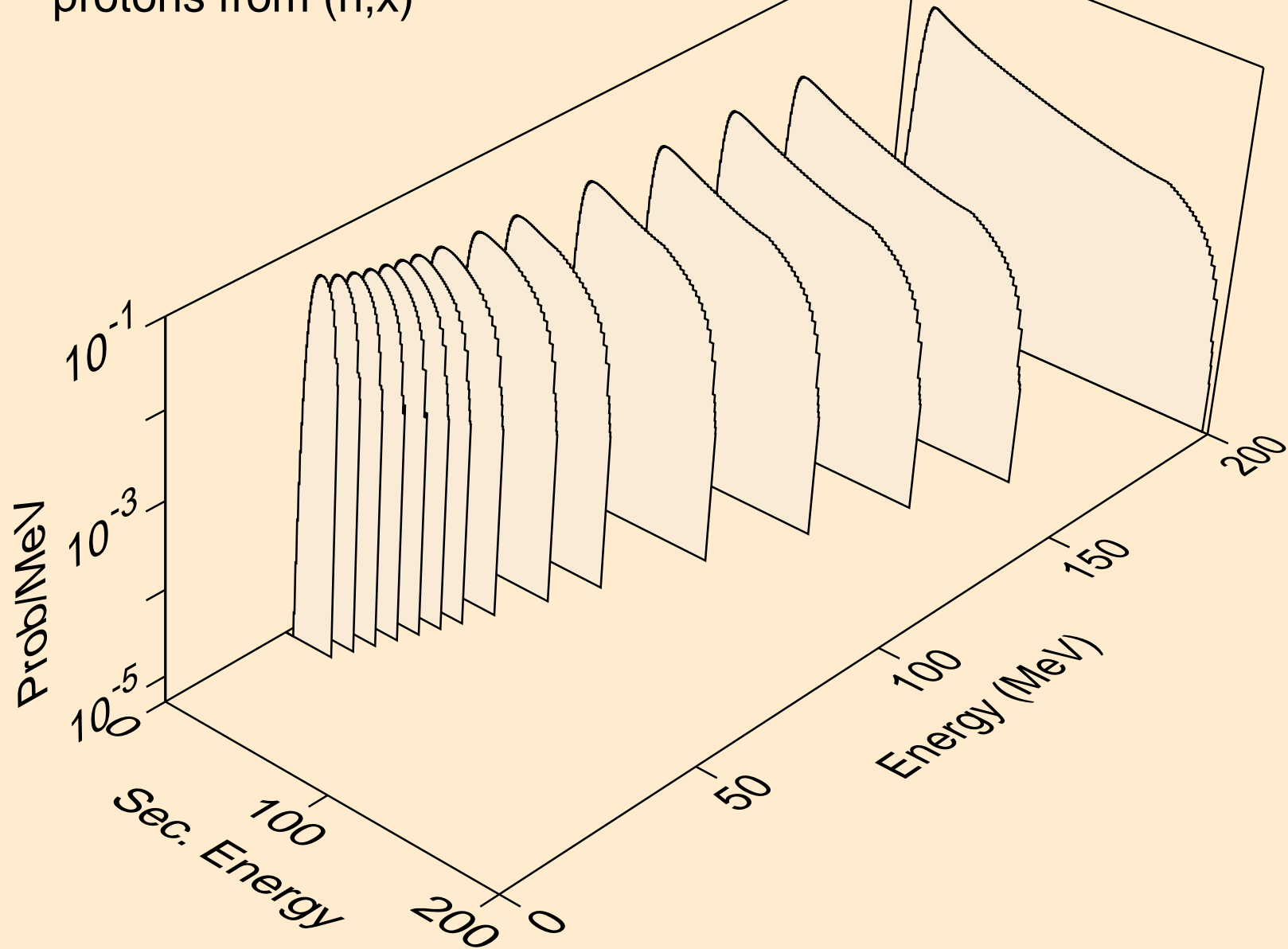


# TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

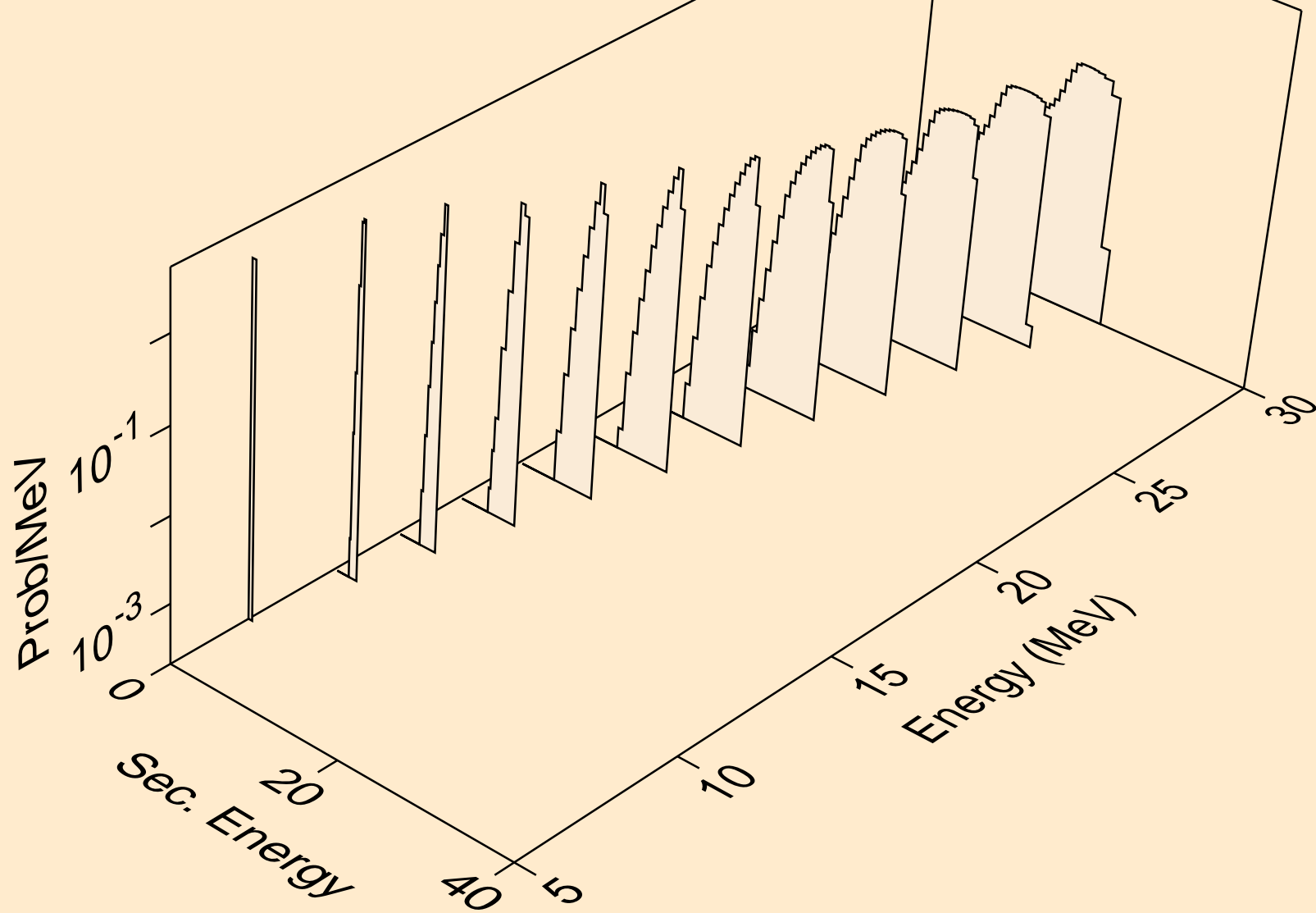
## Particle production cross sections



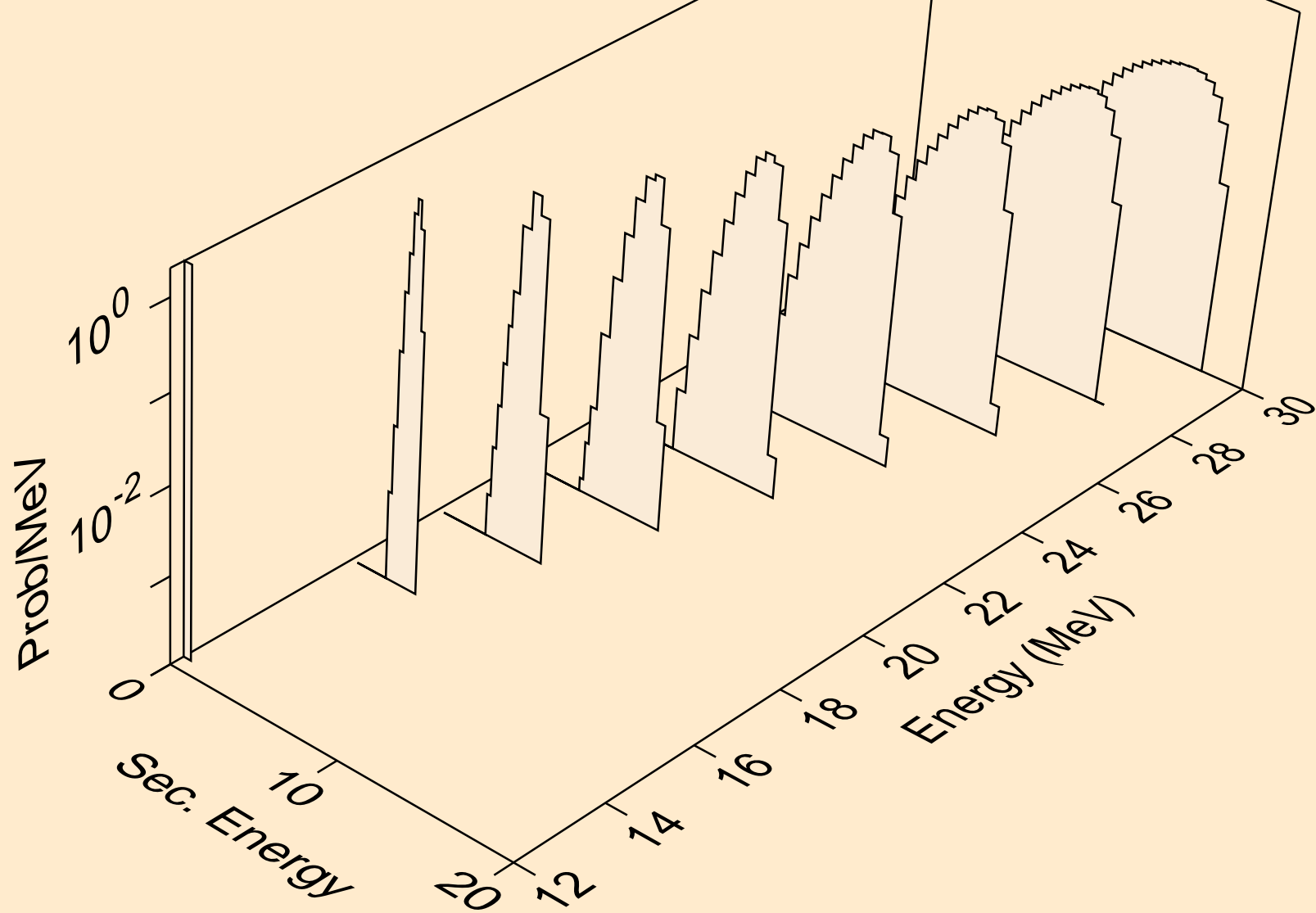
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



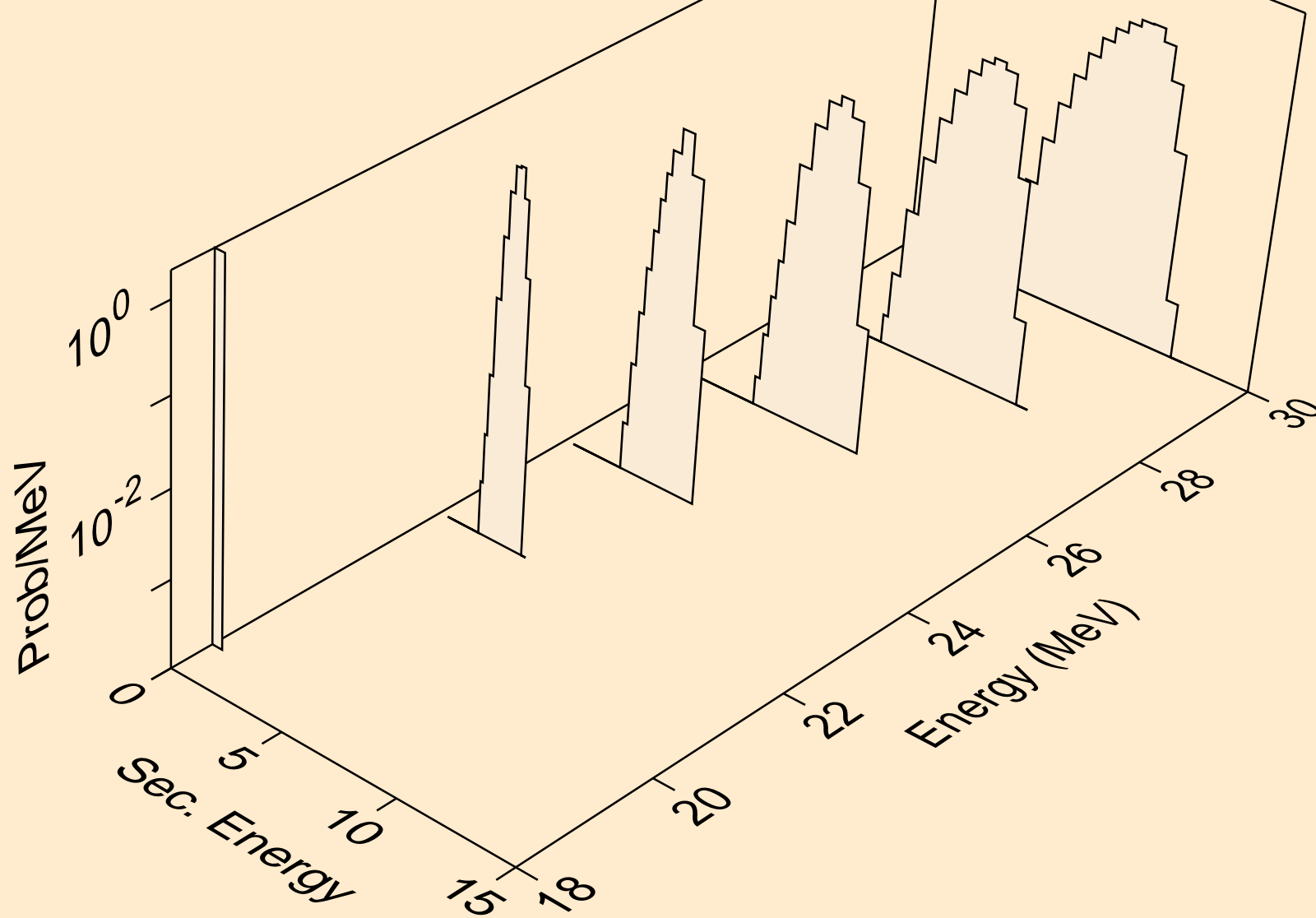
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



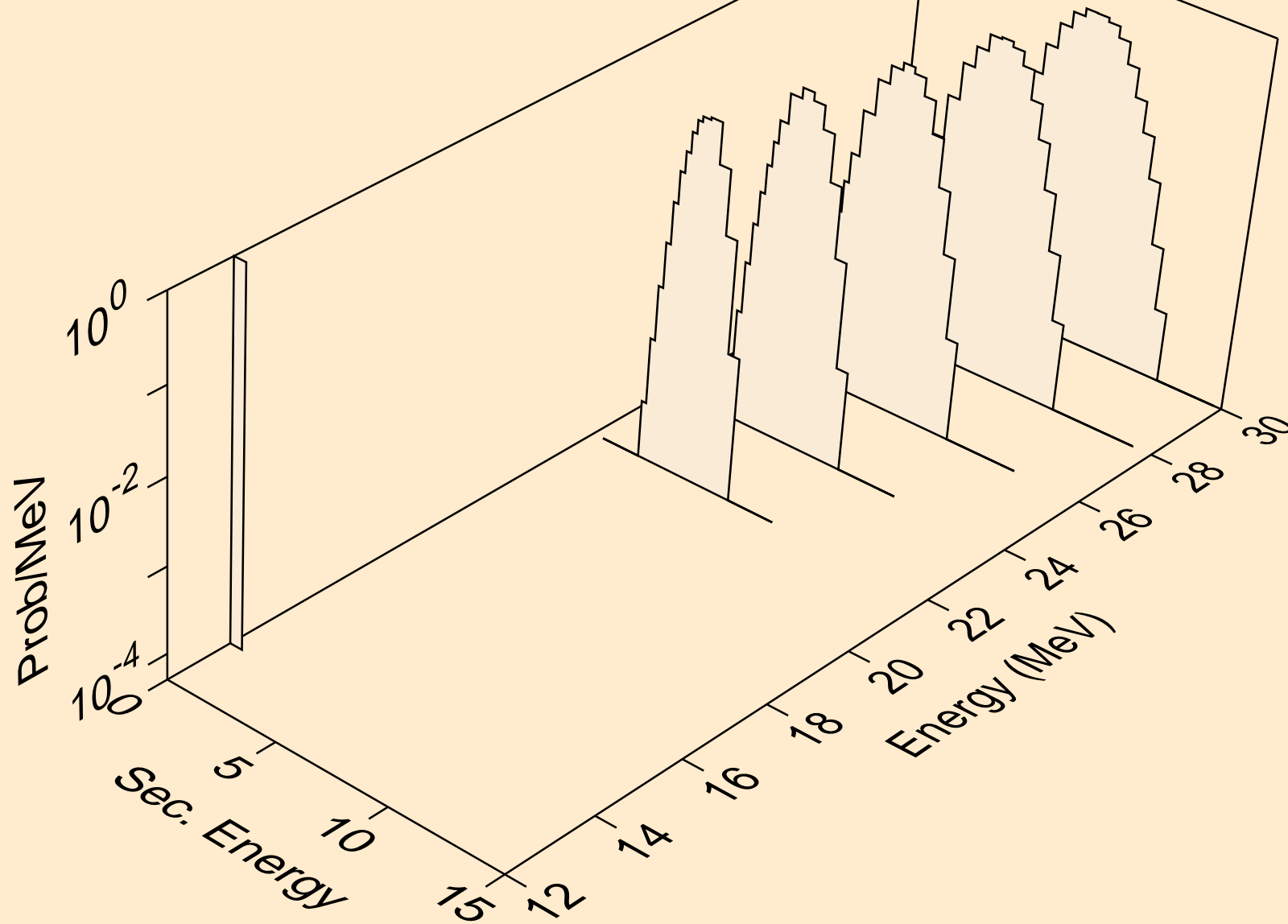
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)



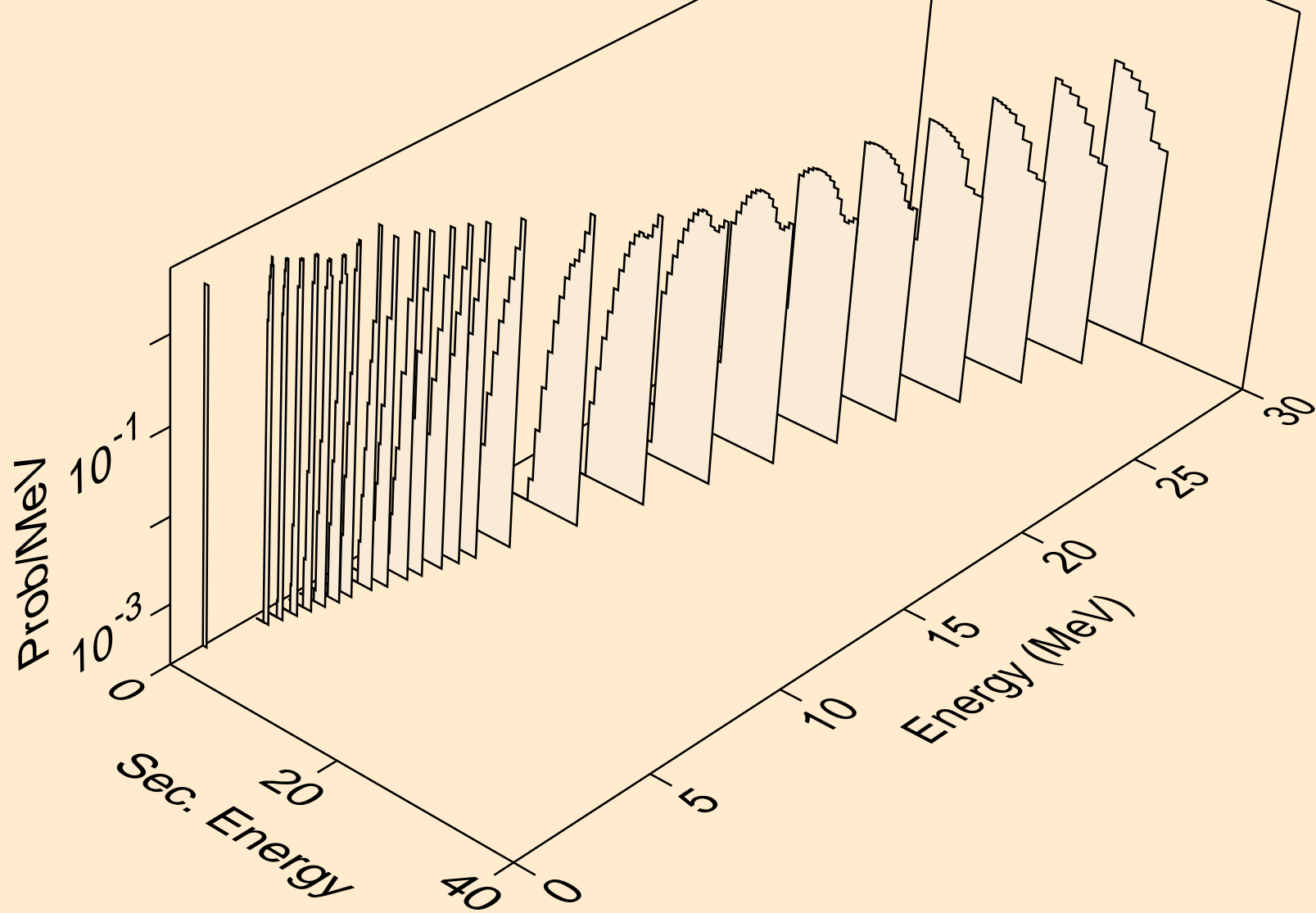
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)



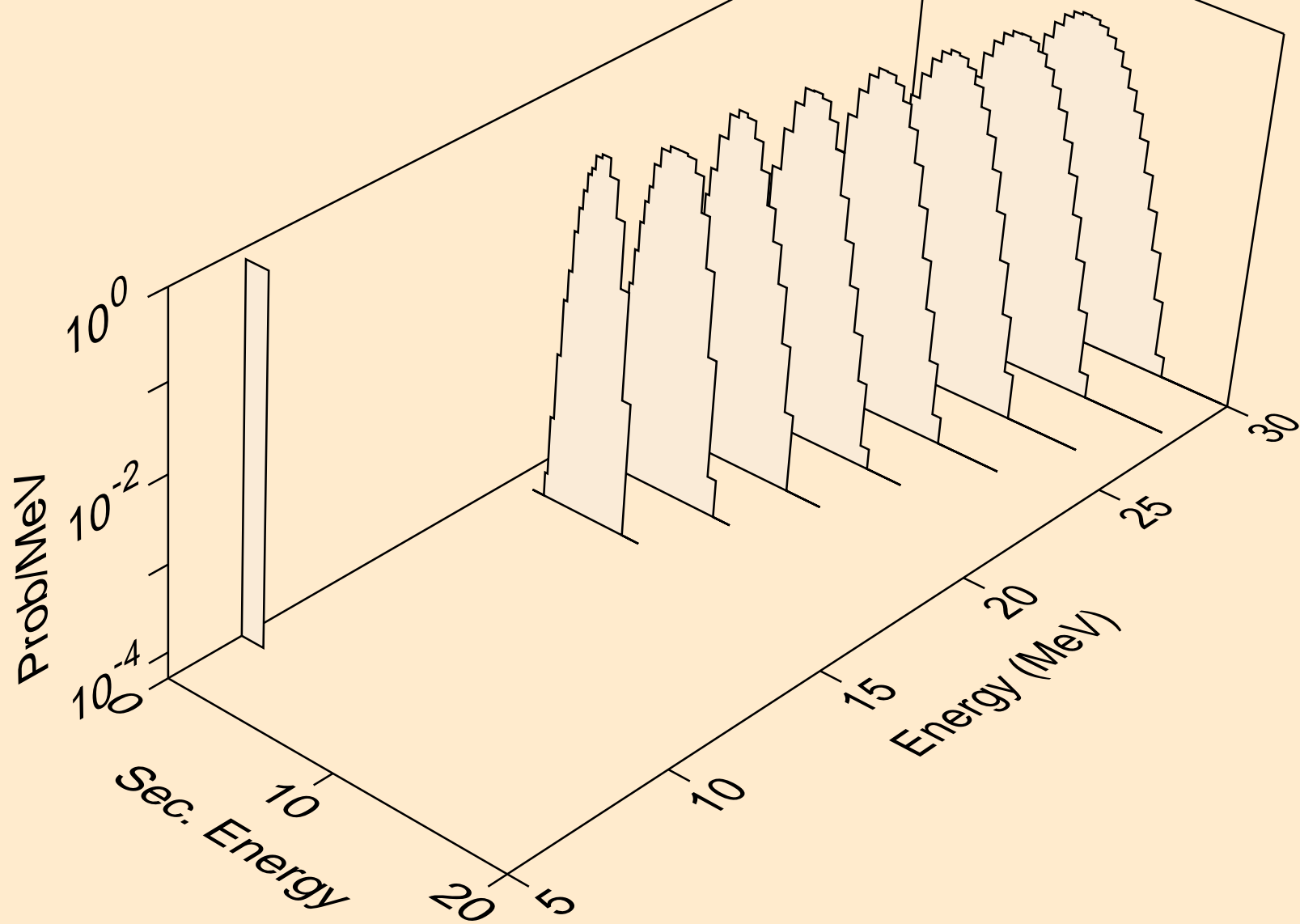
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n2p)



TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)

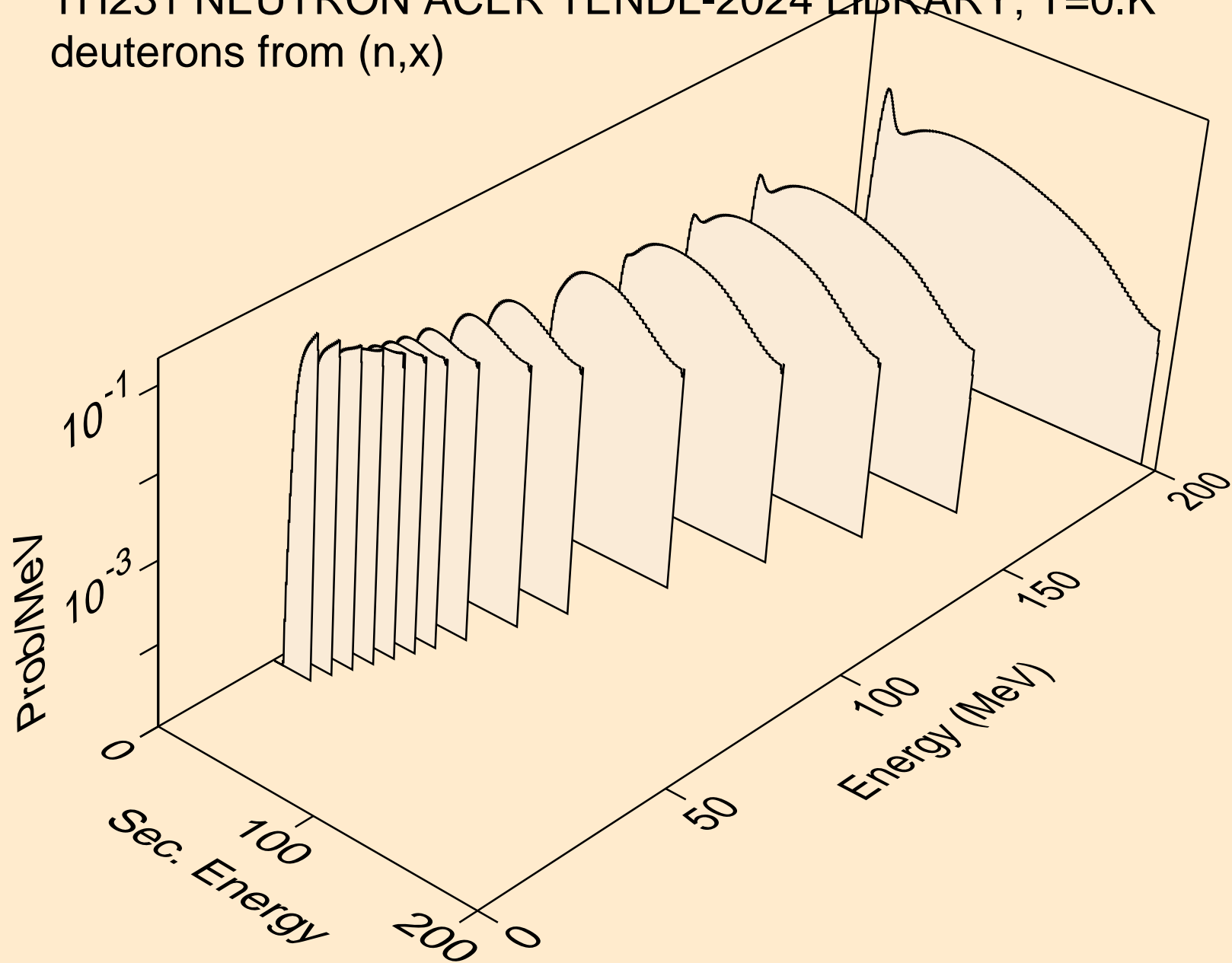


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protons from (n,2p)

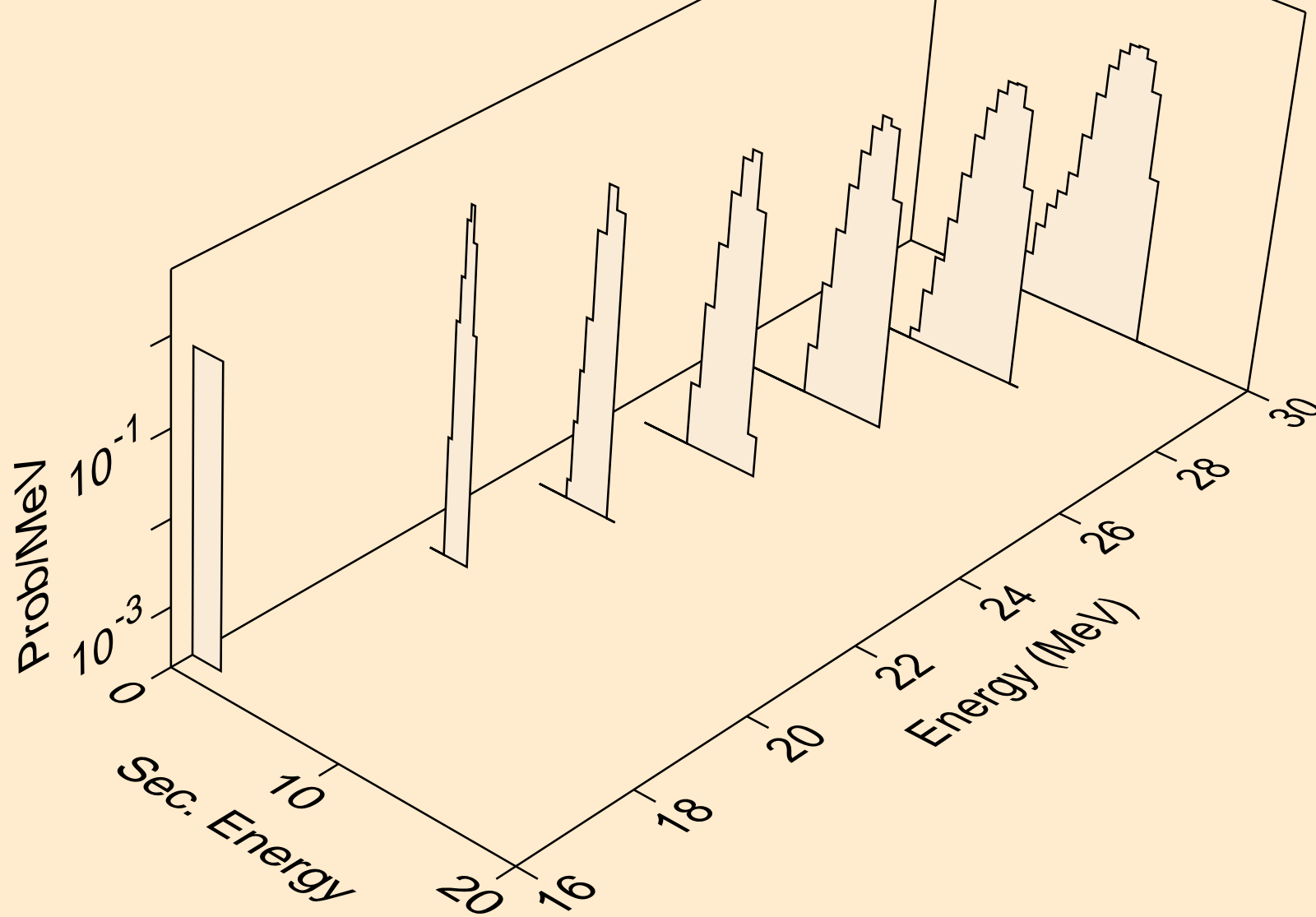




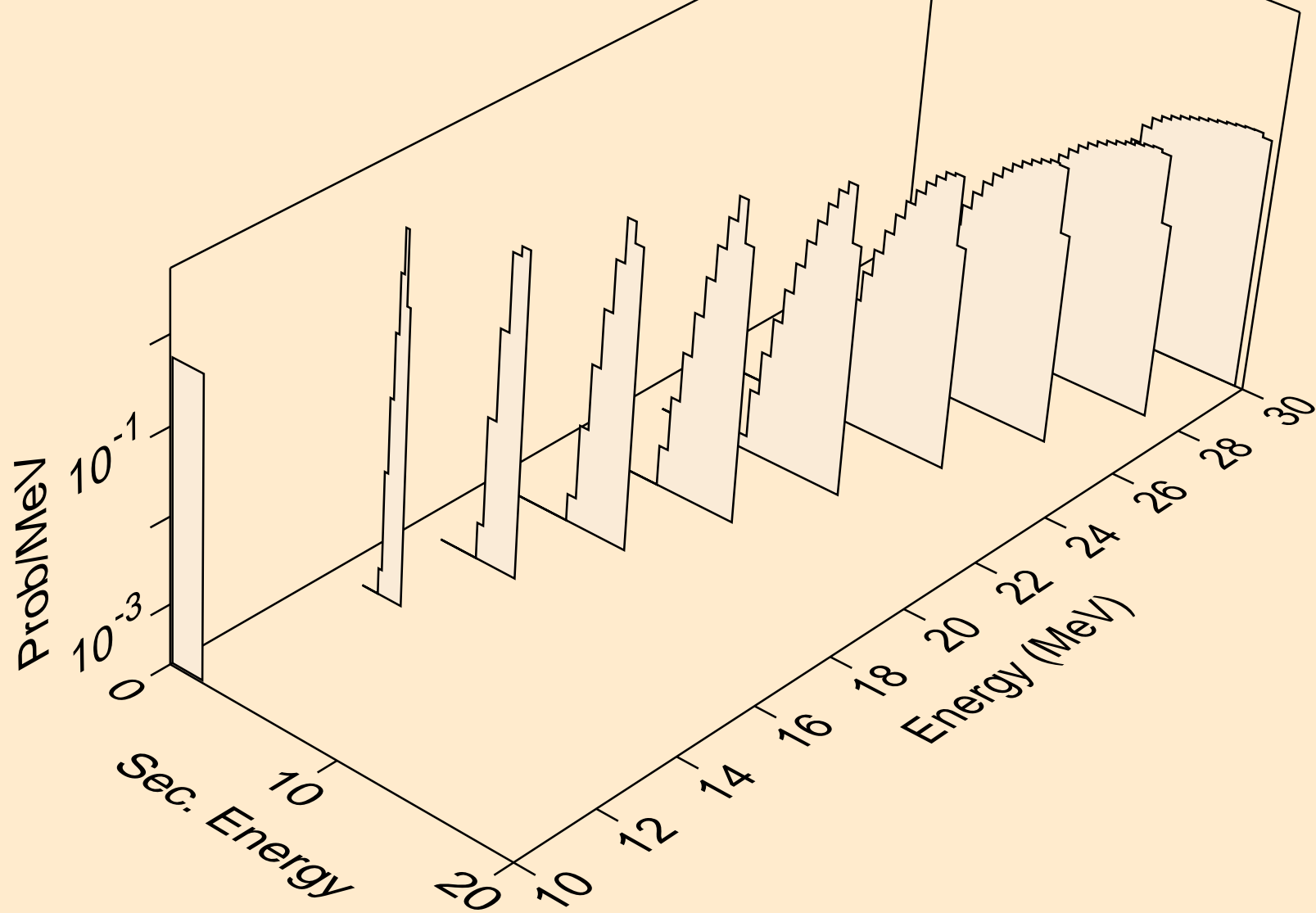
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)



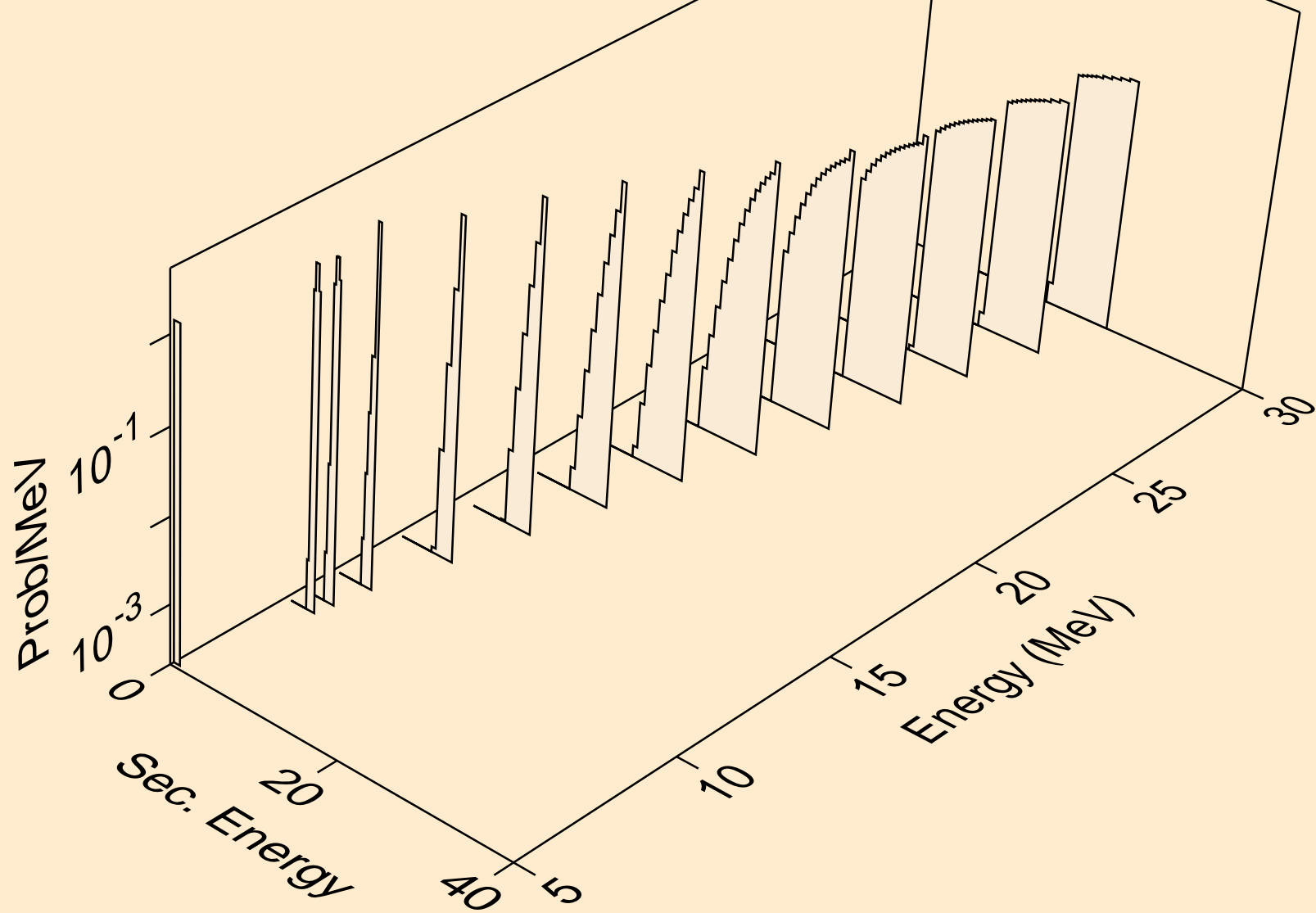
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,2nd)



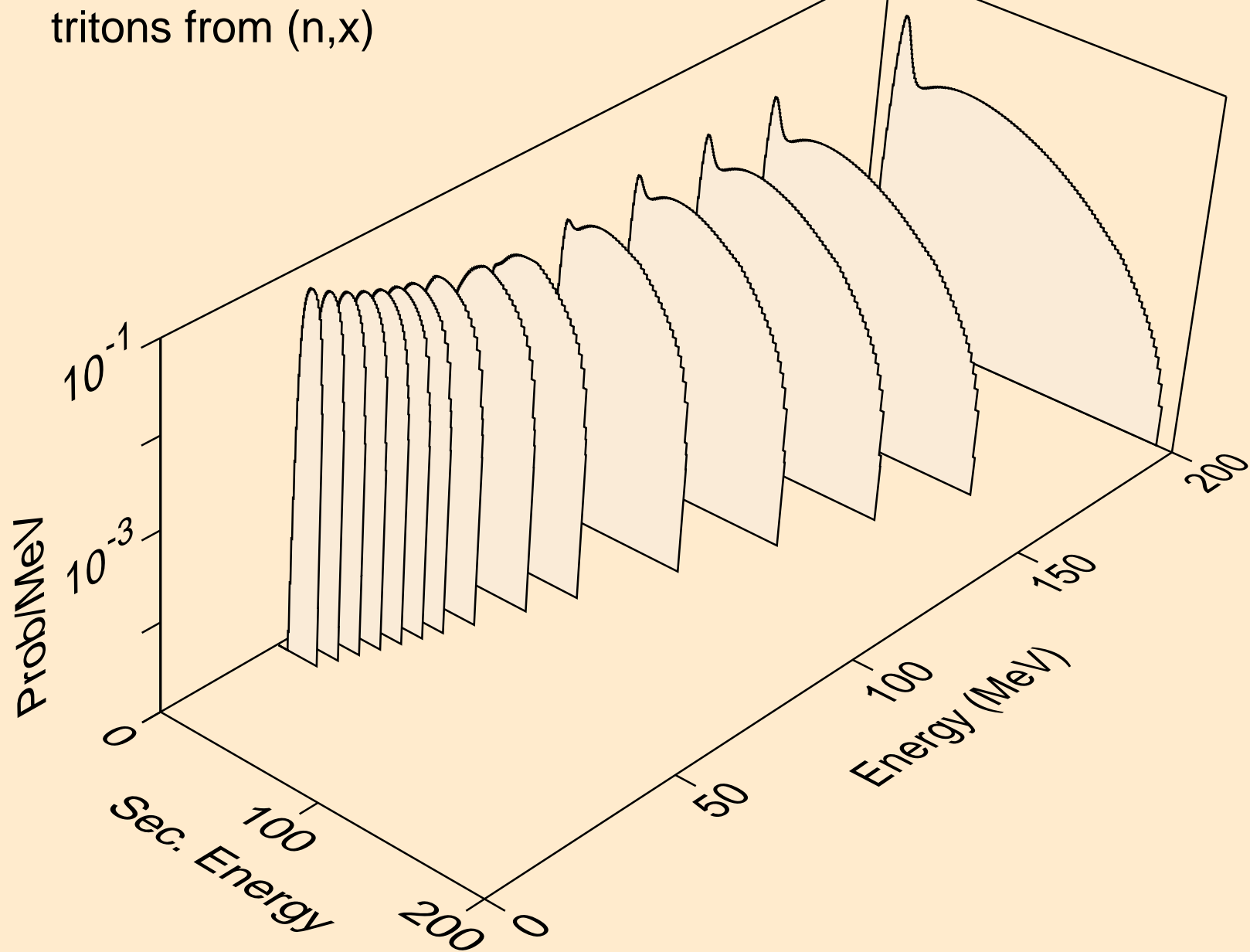
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,n\*)d



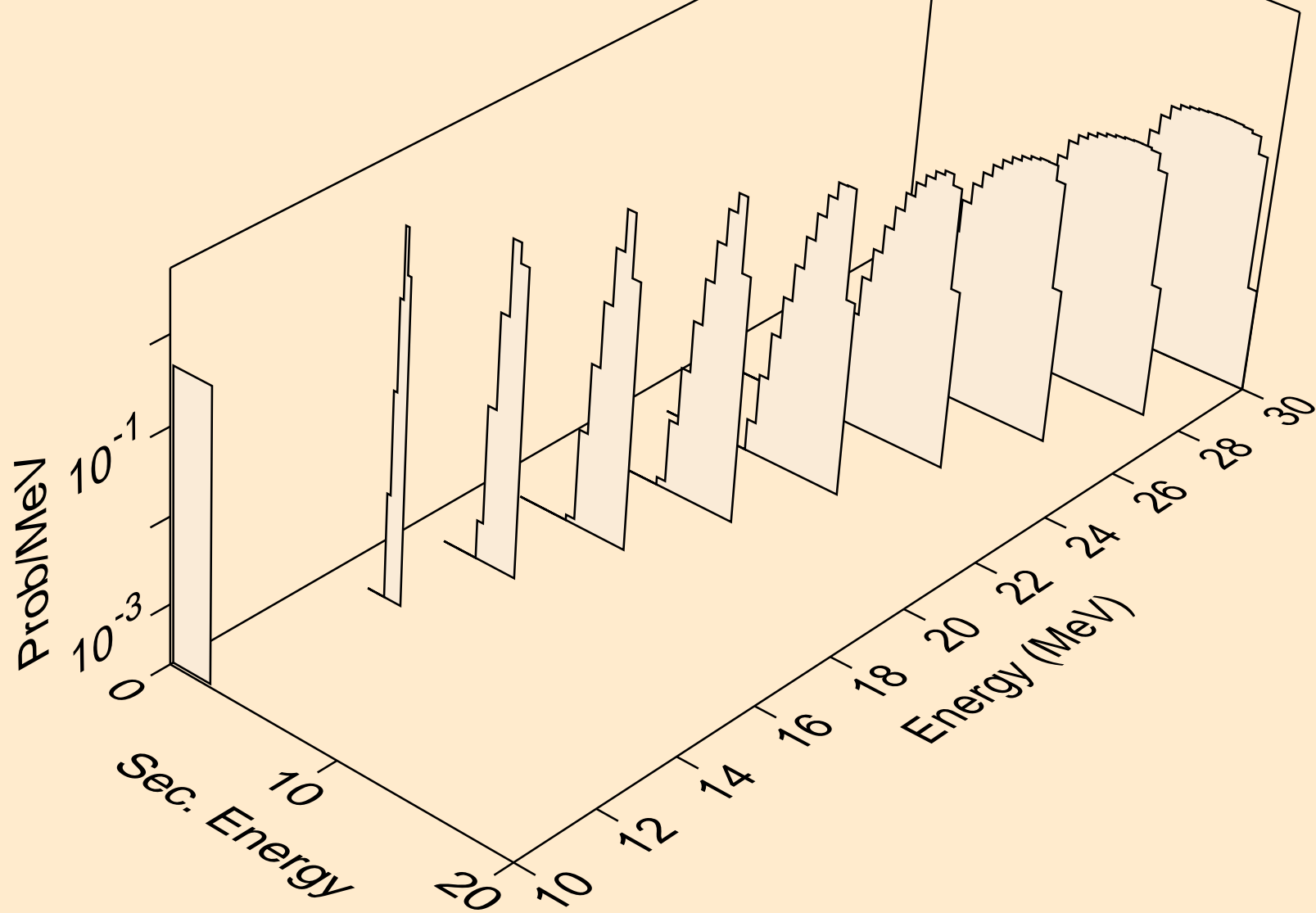
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,d)



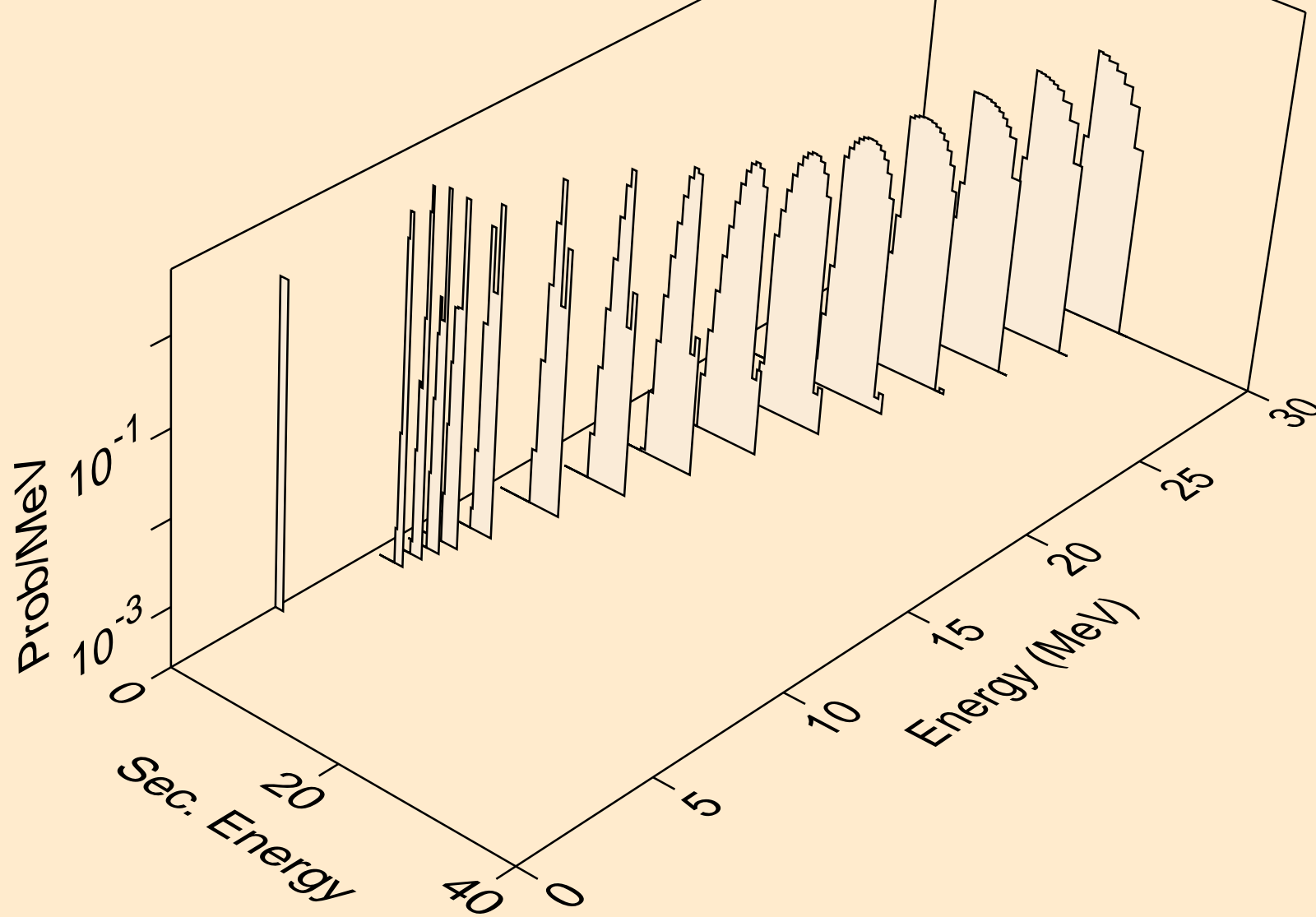
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)



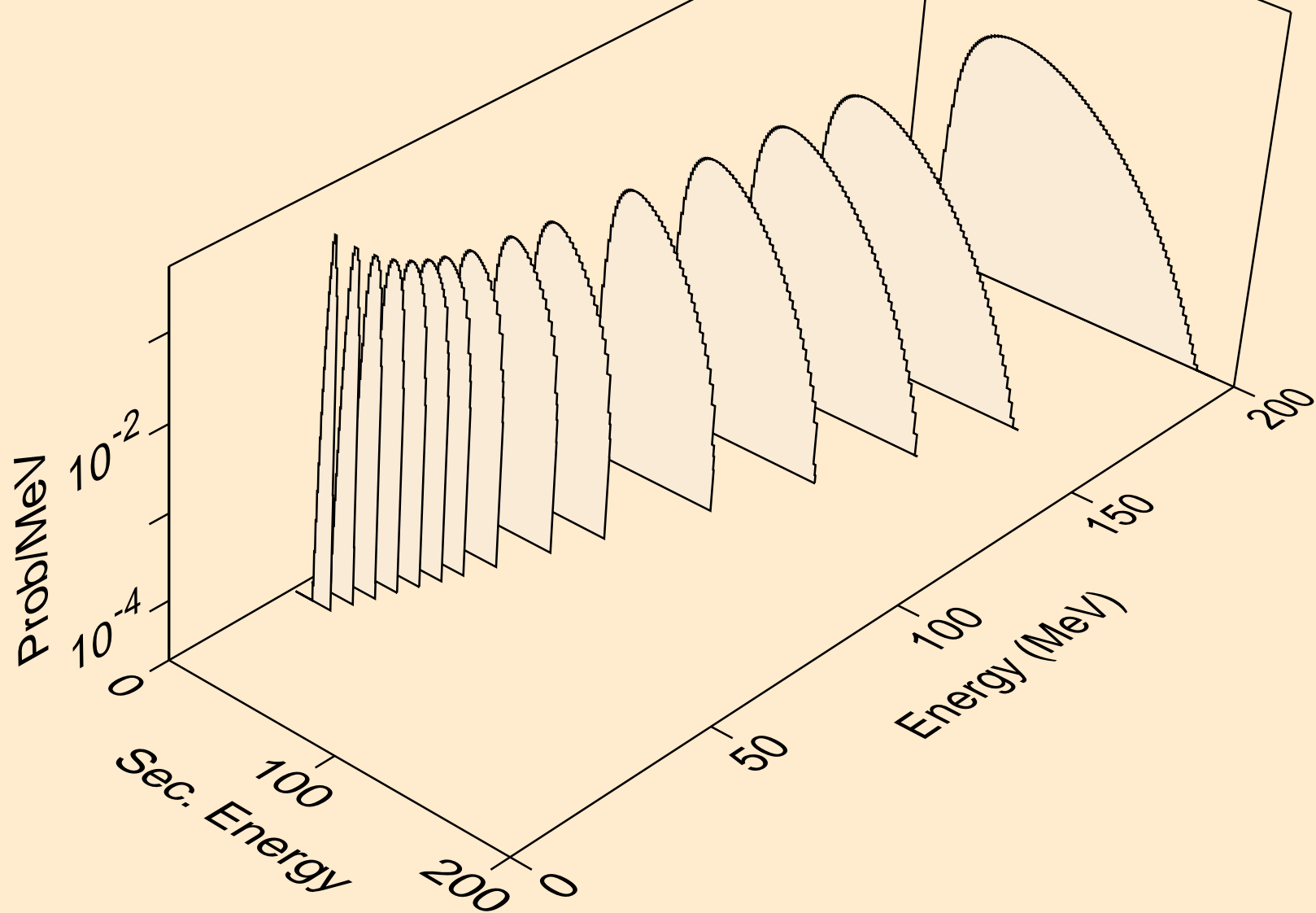
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,t)

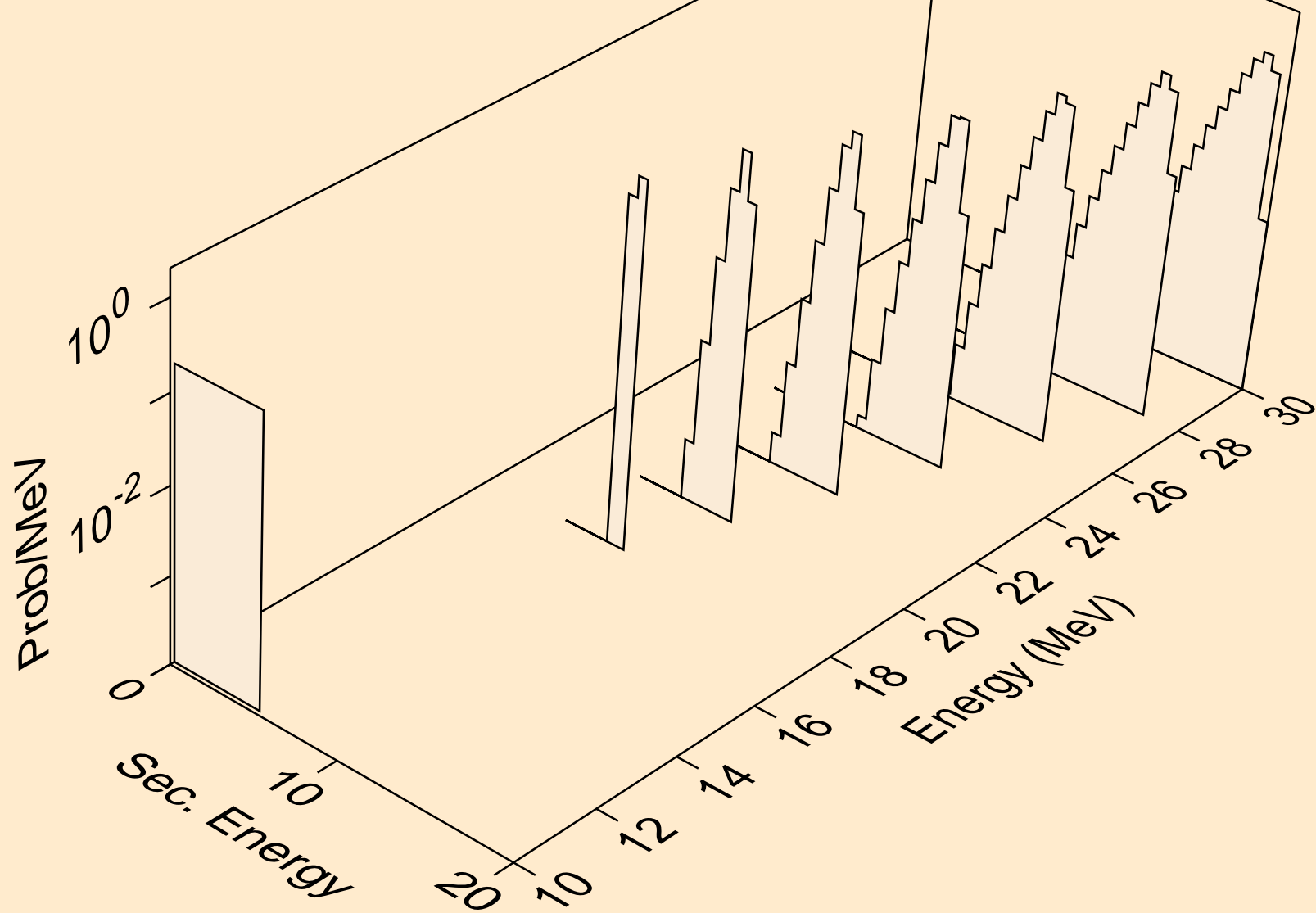


TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)

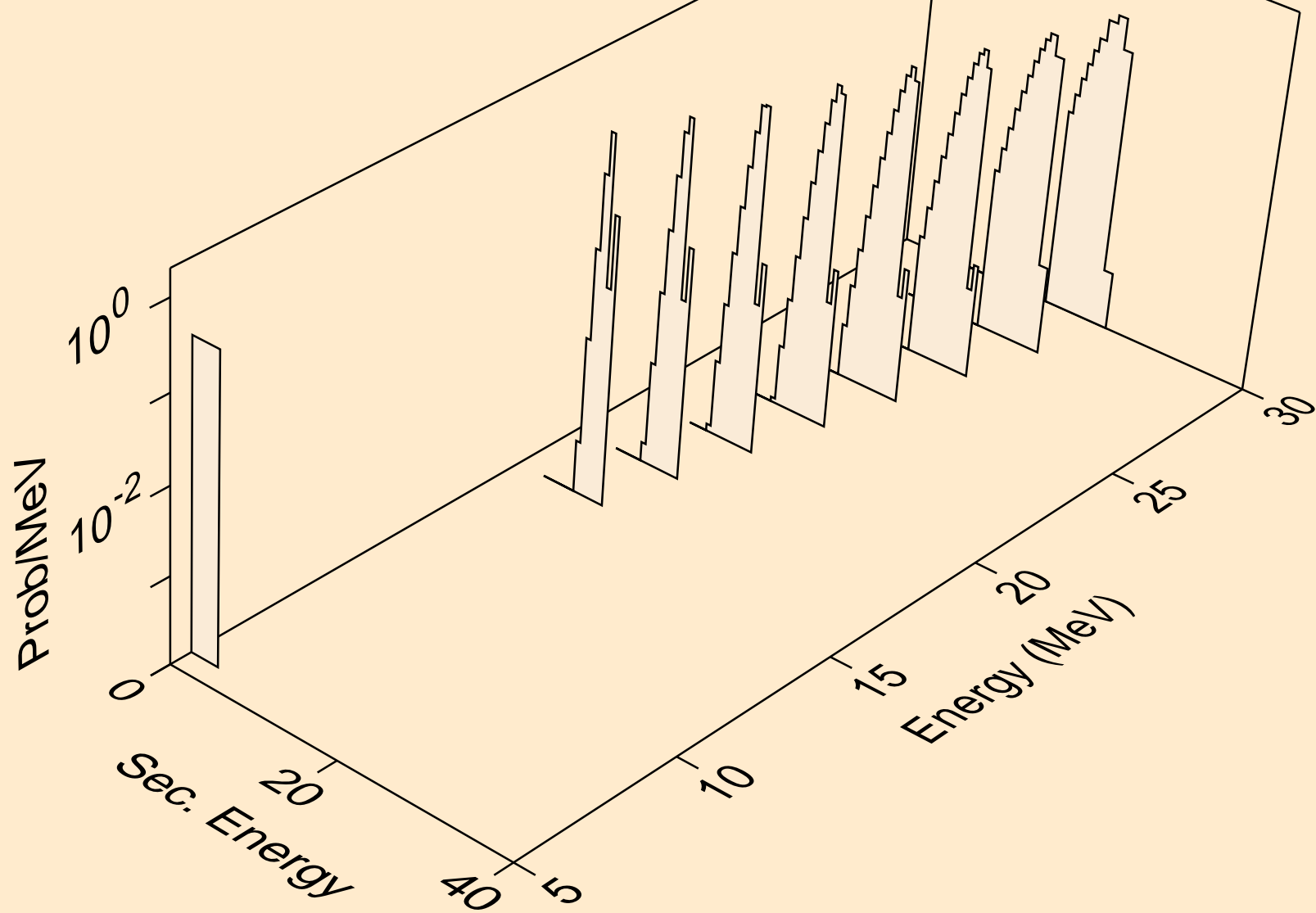




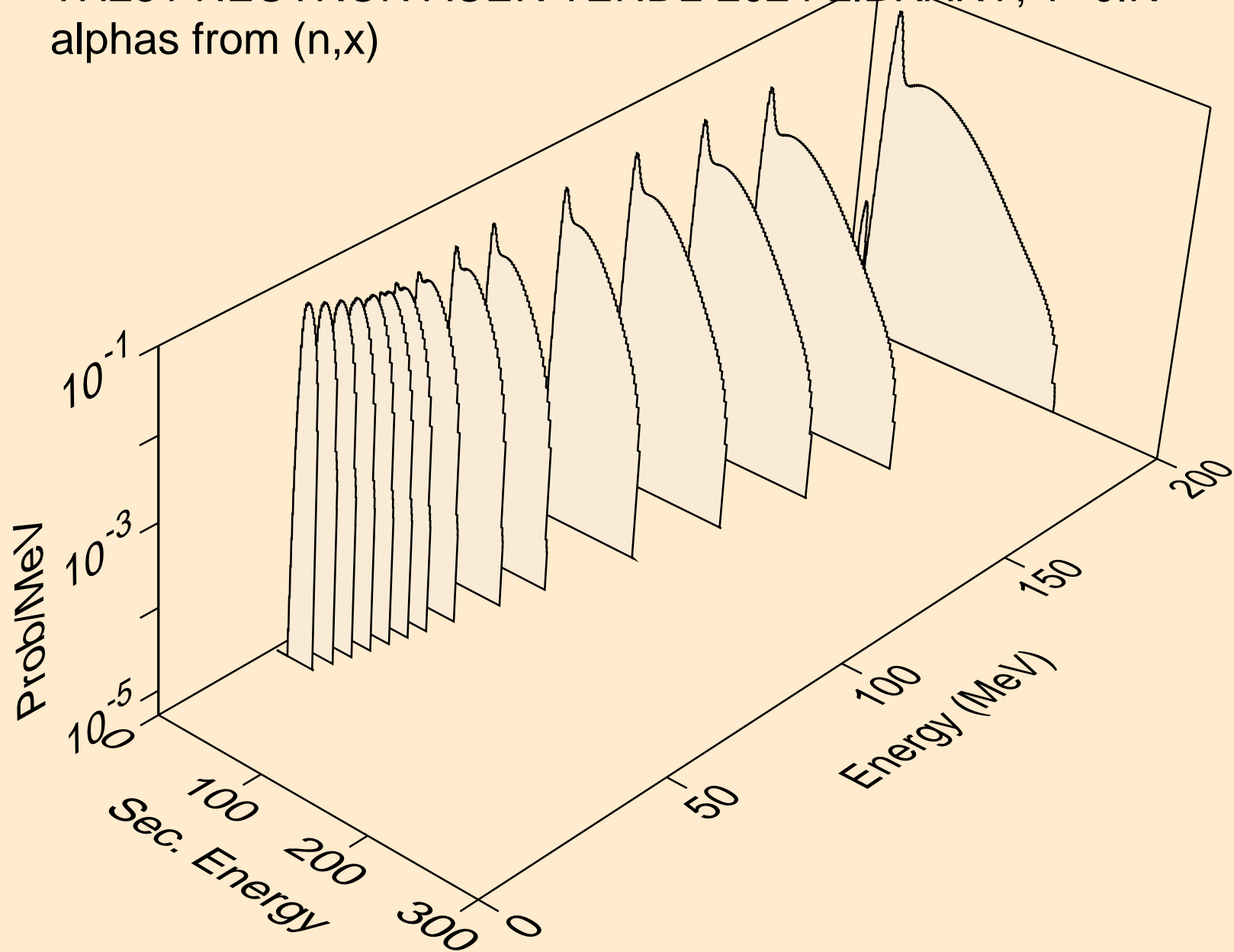
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3



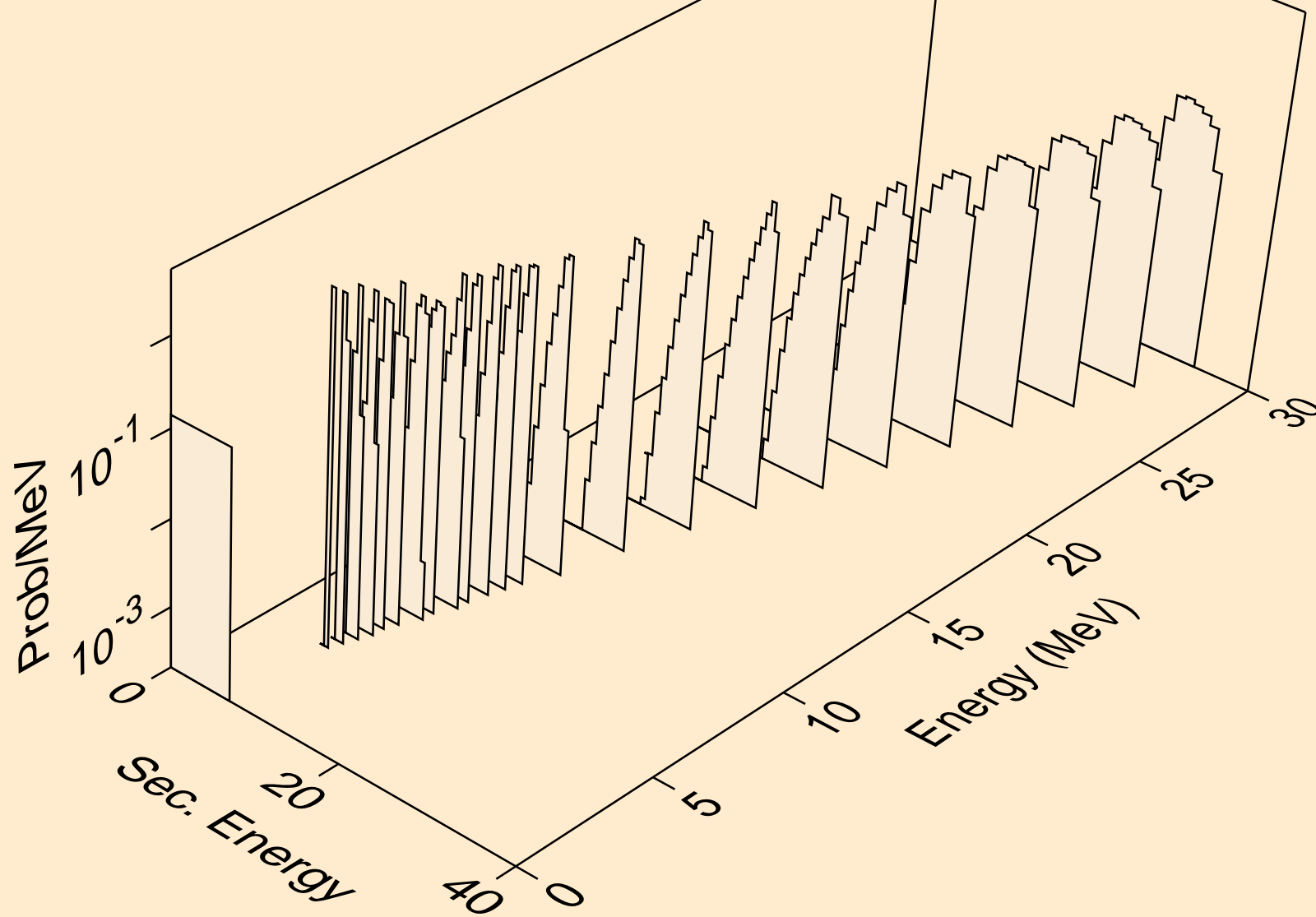
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)



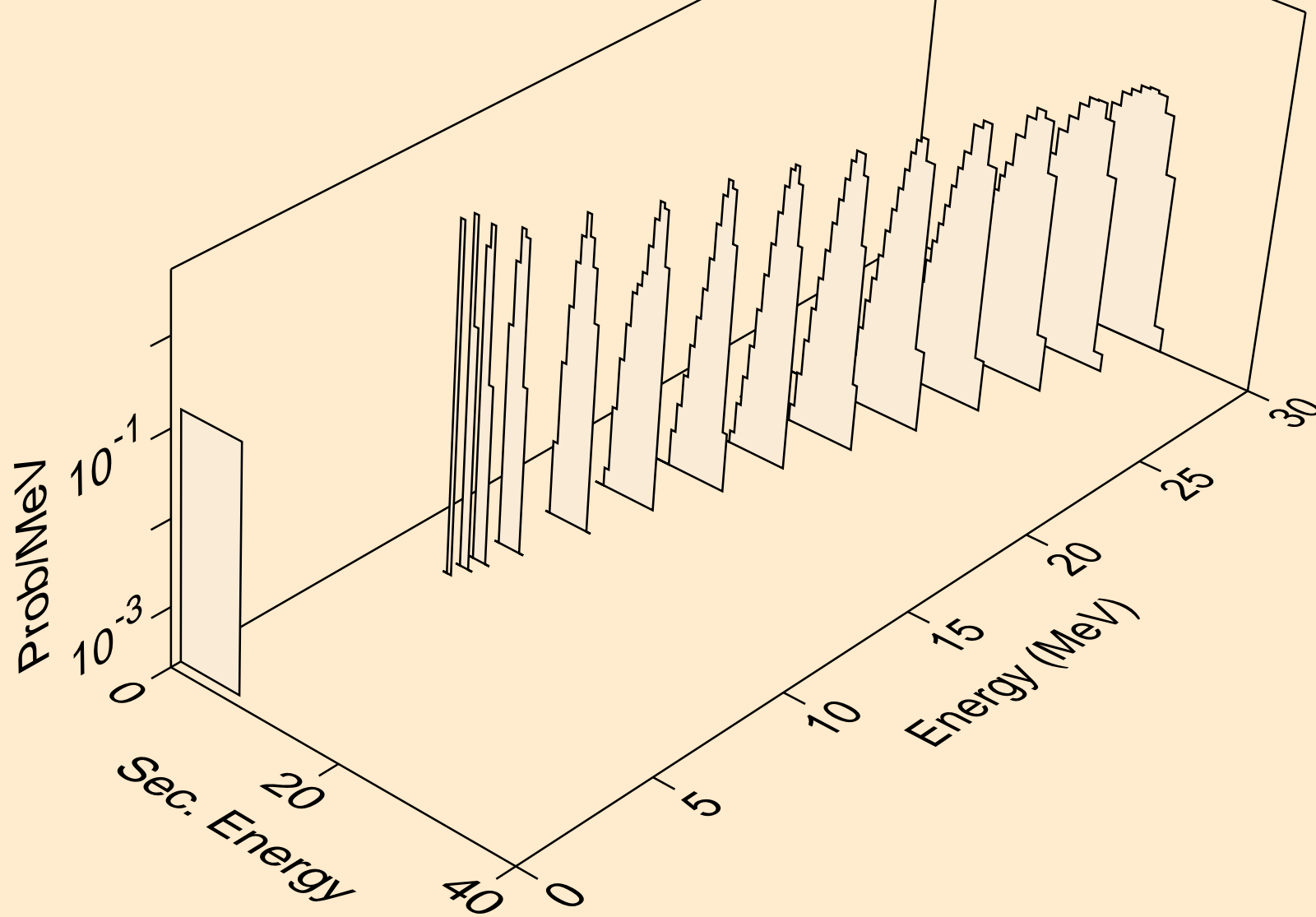
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



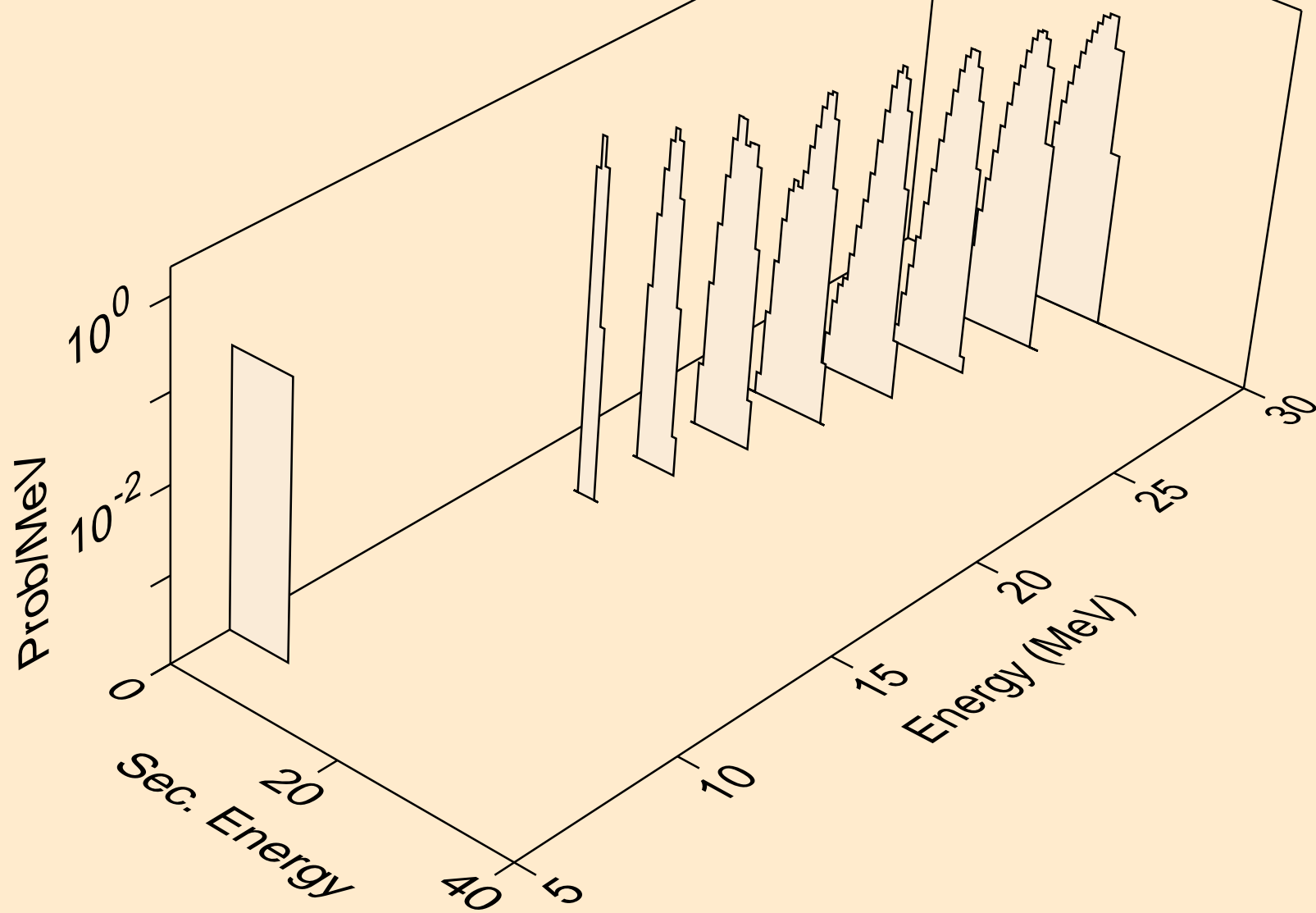
TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a



TH231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)

