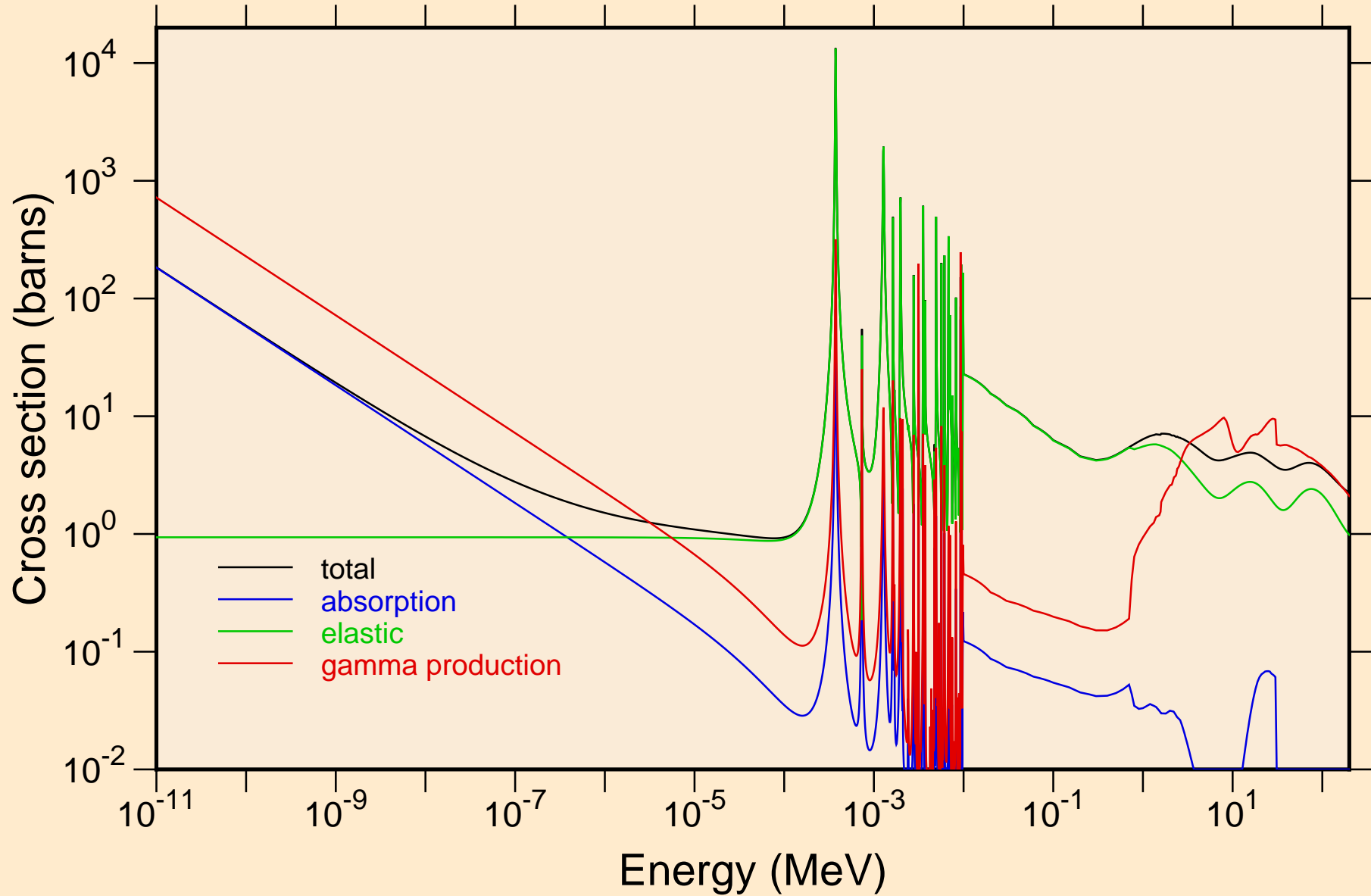
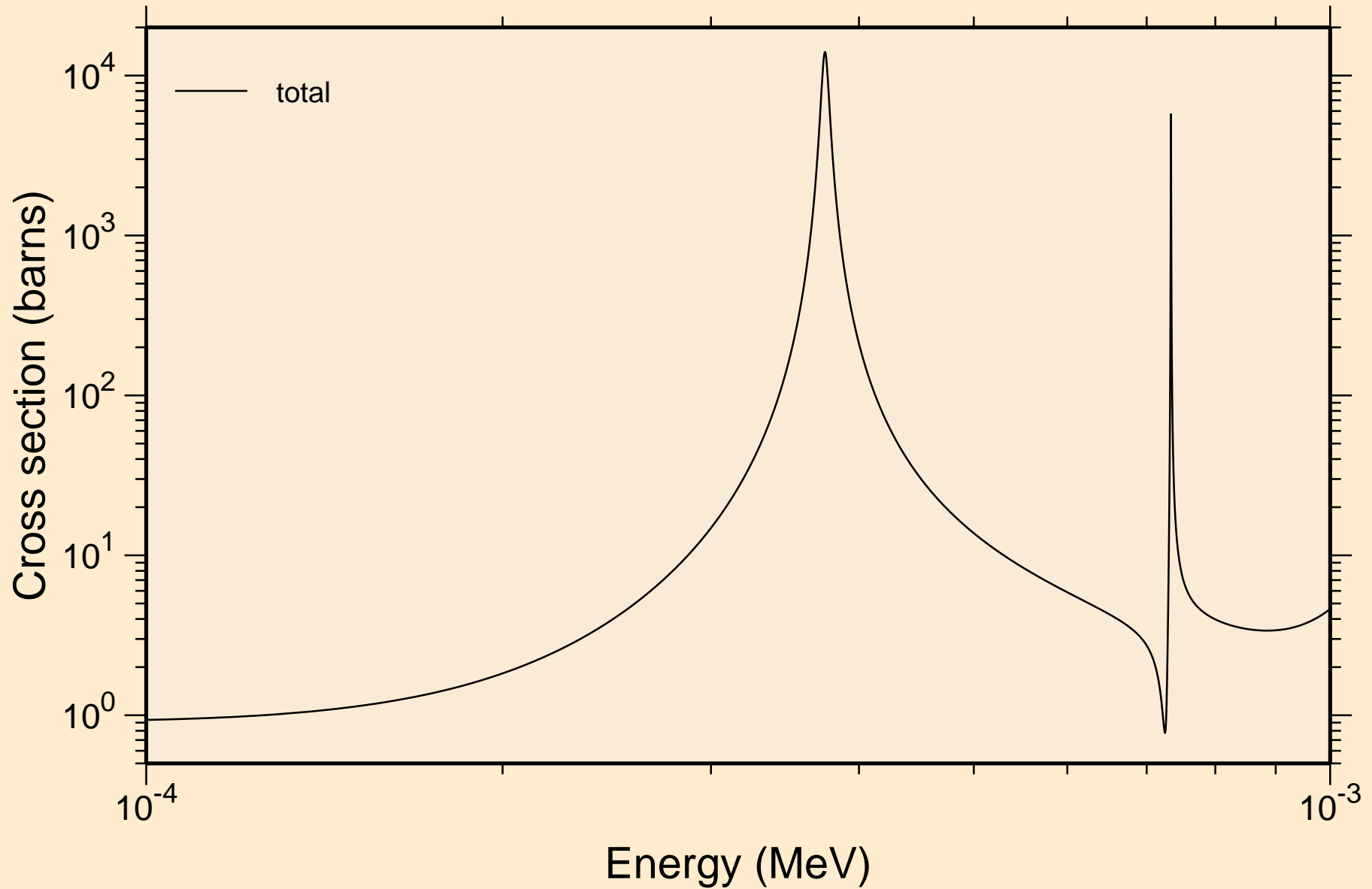


# ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

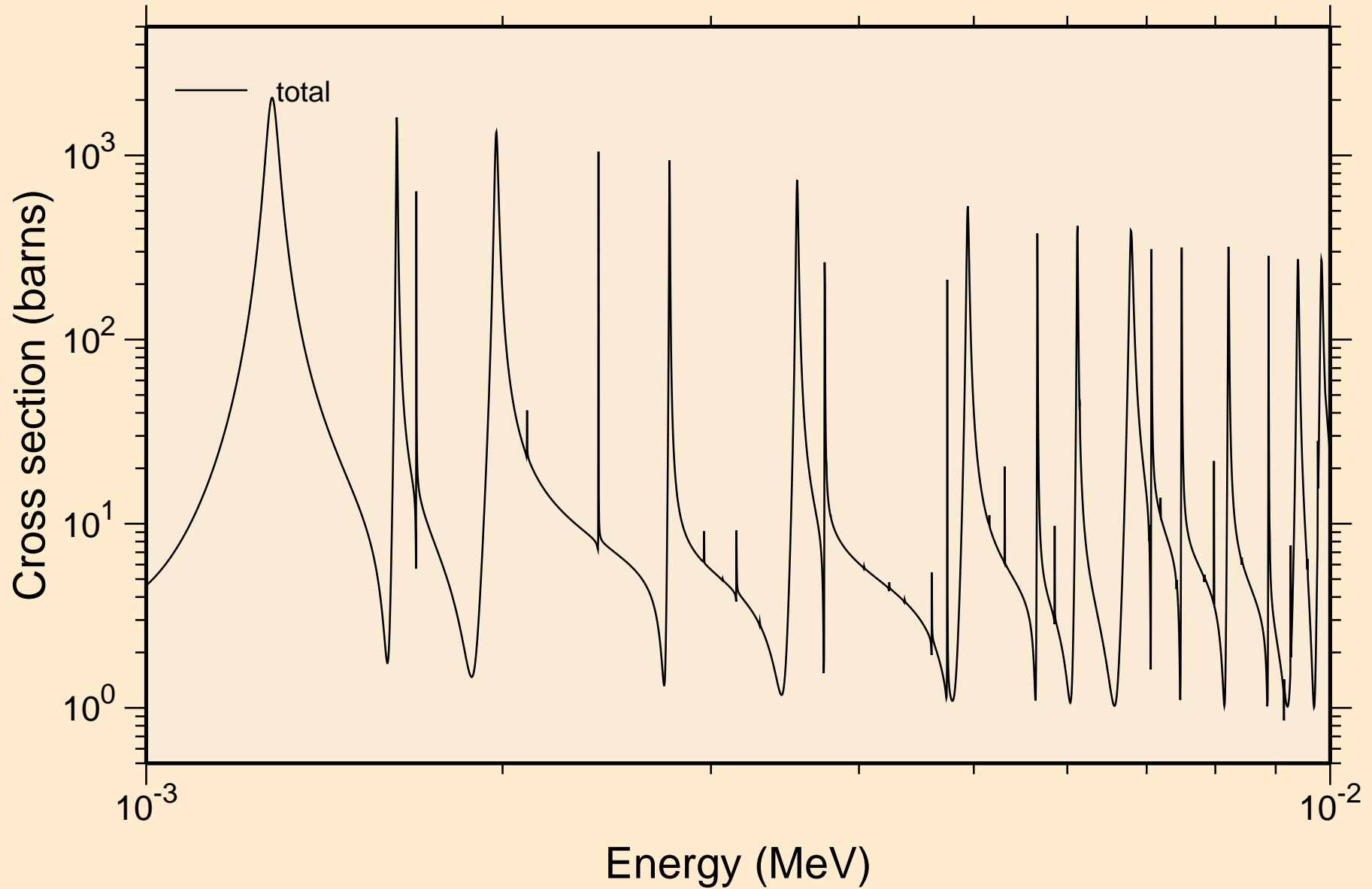
## Principal cross sections



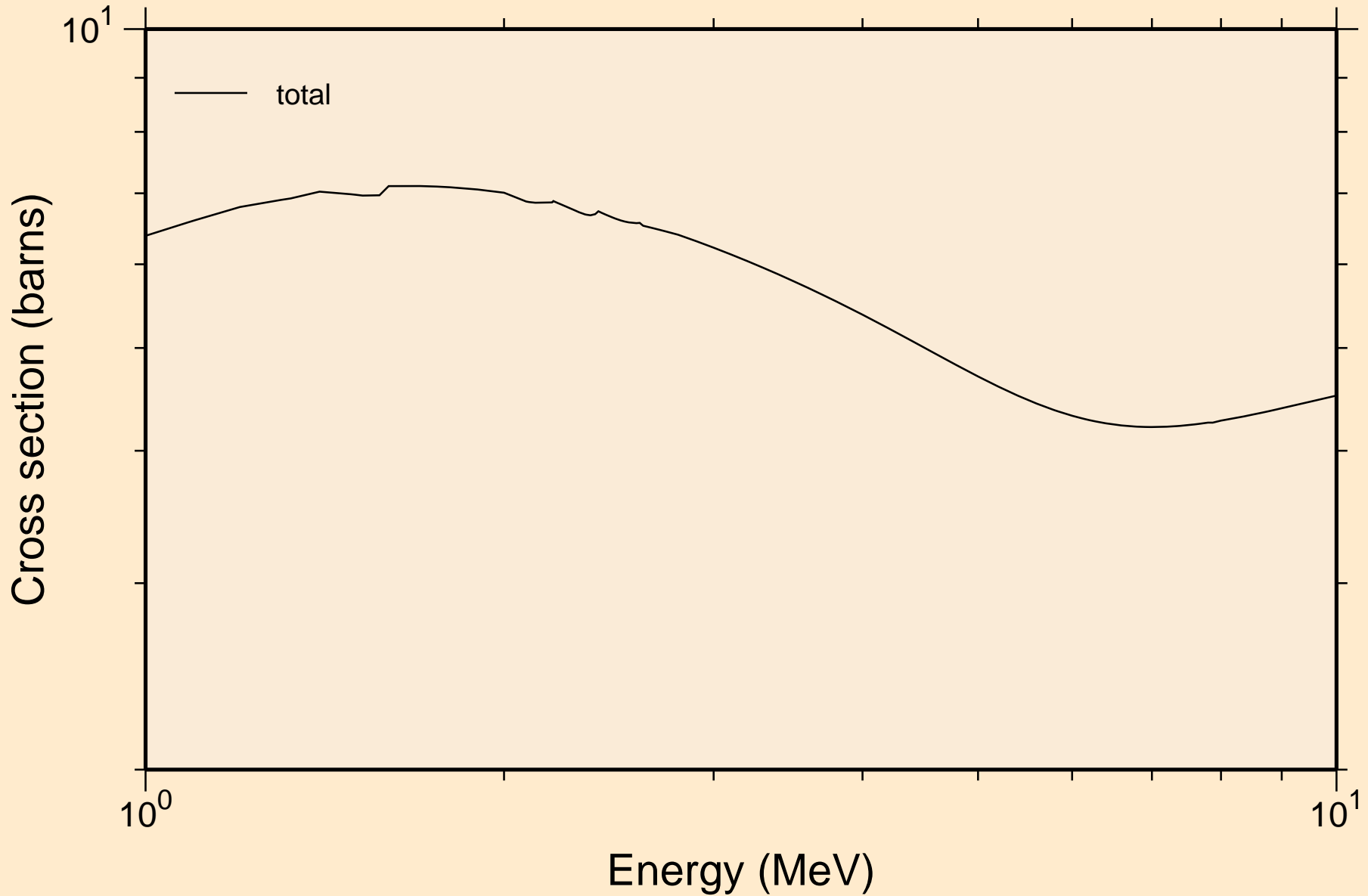
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



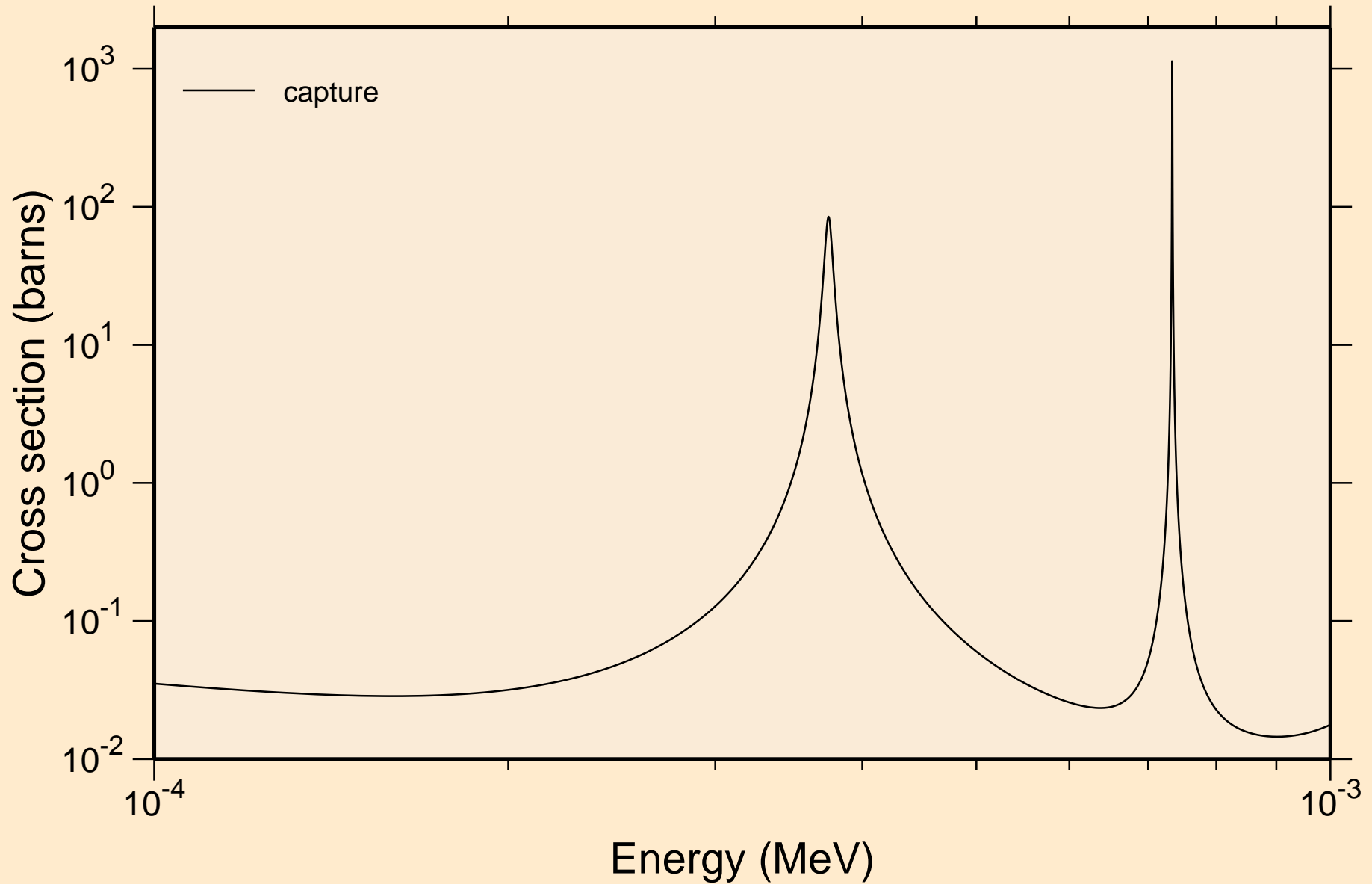
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



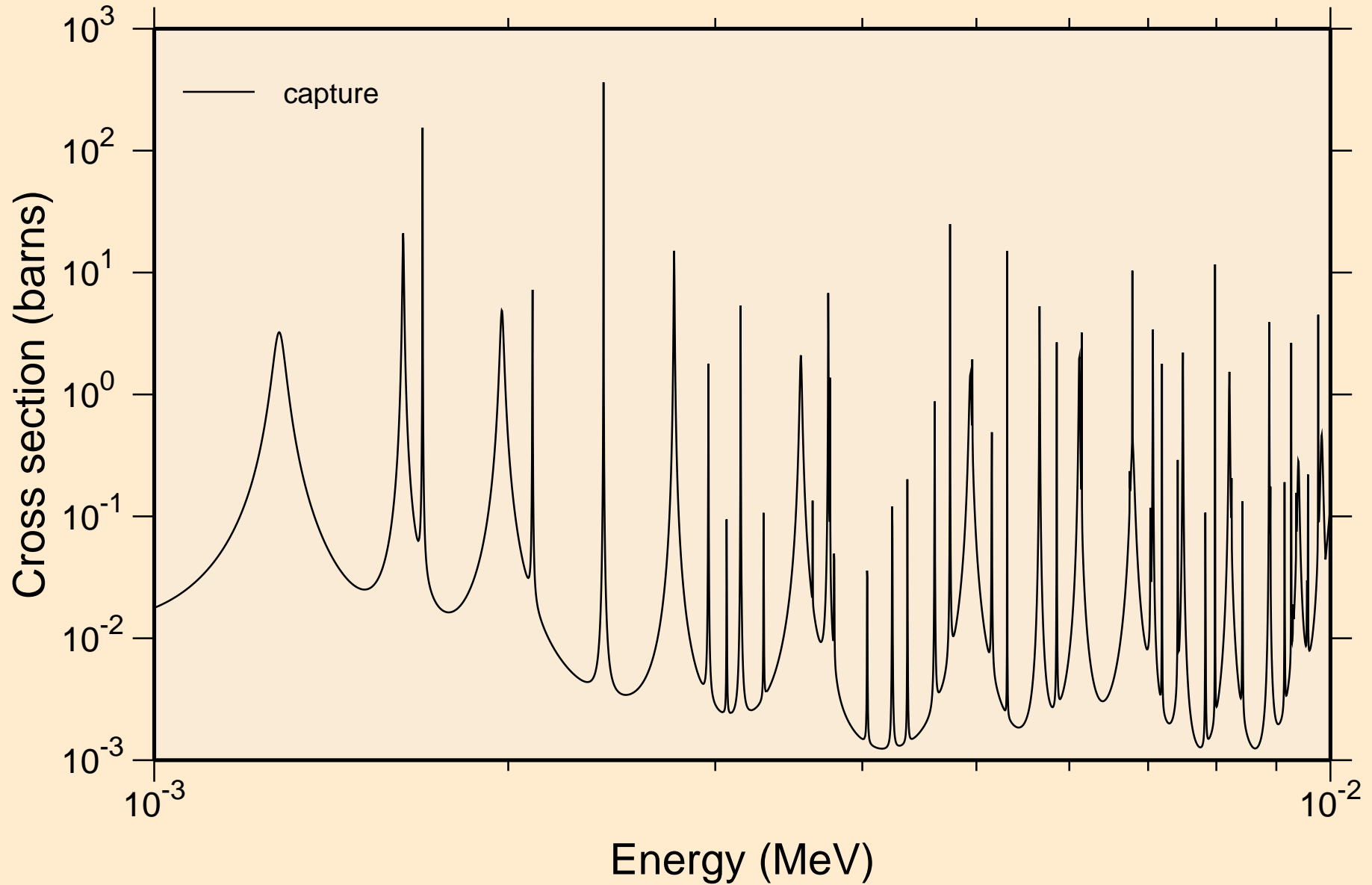
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



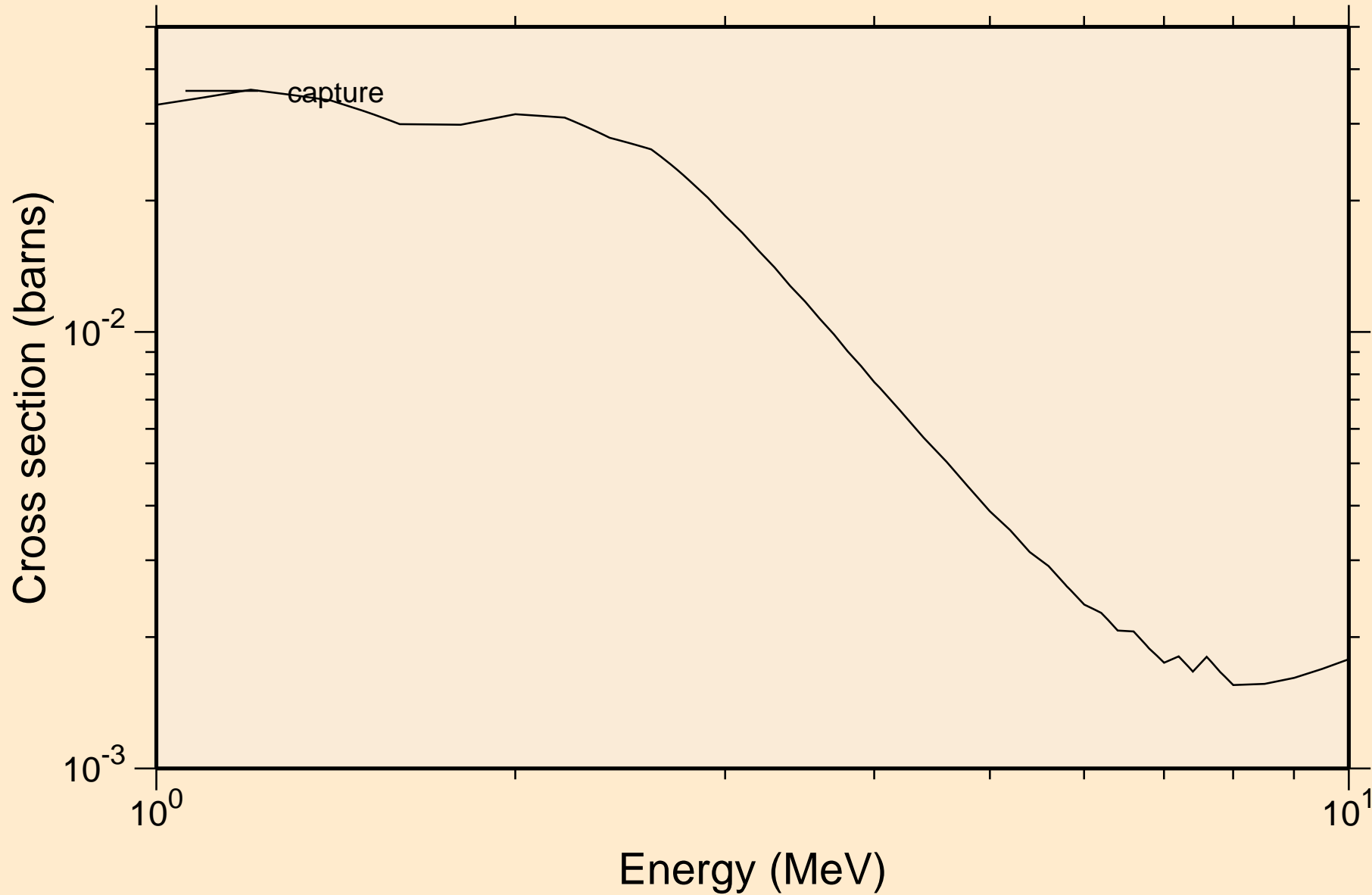
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



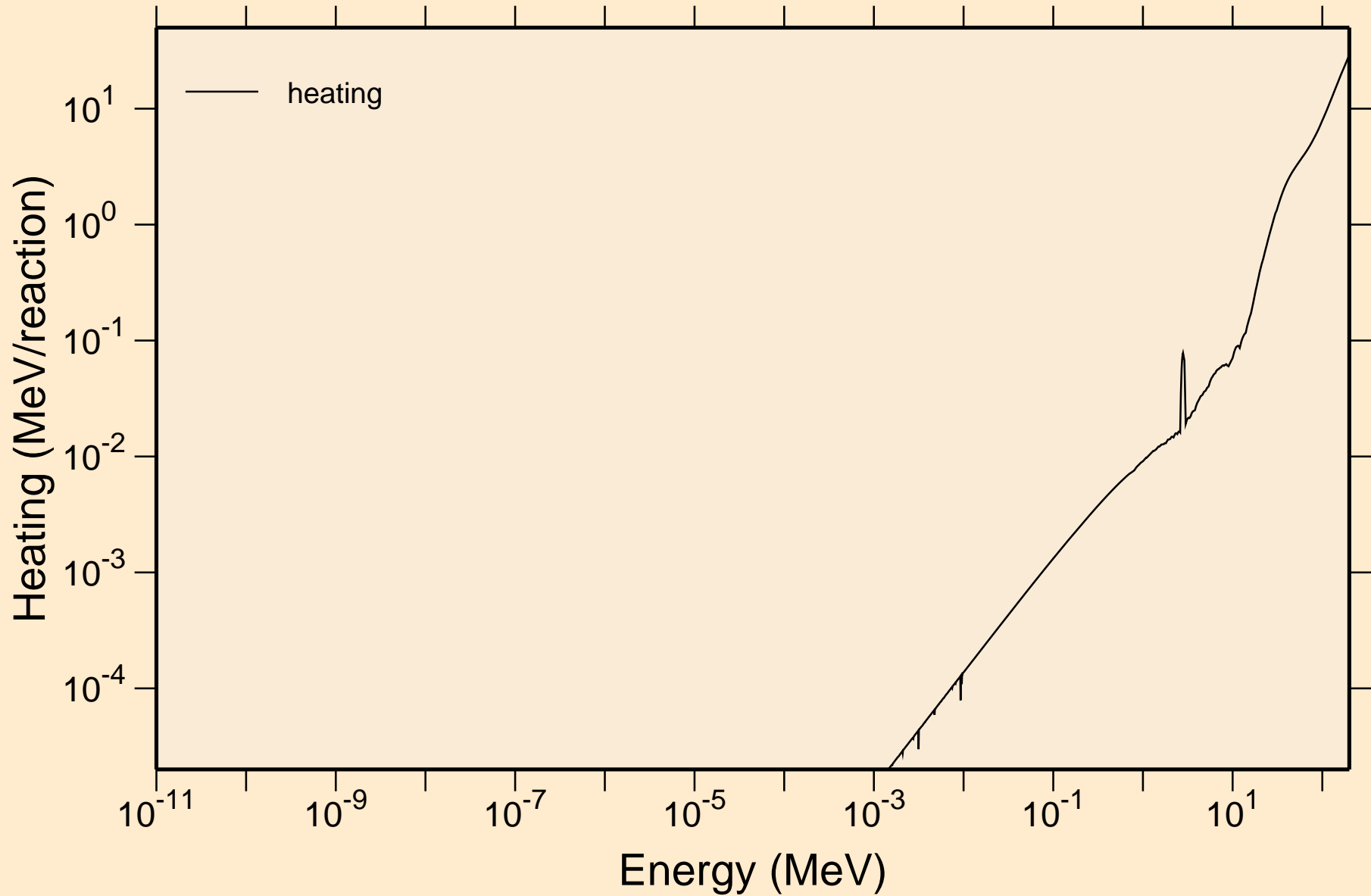
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



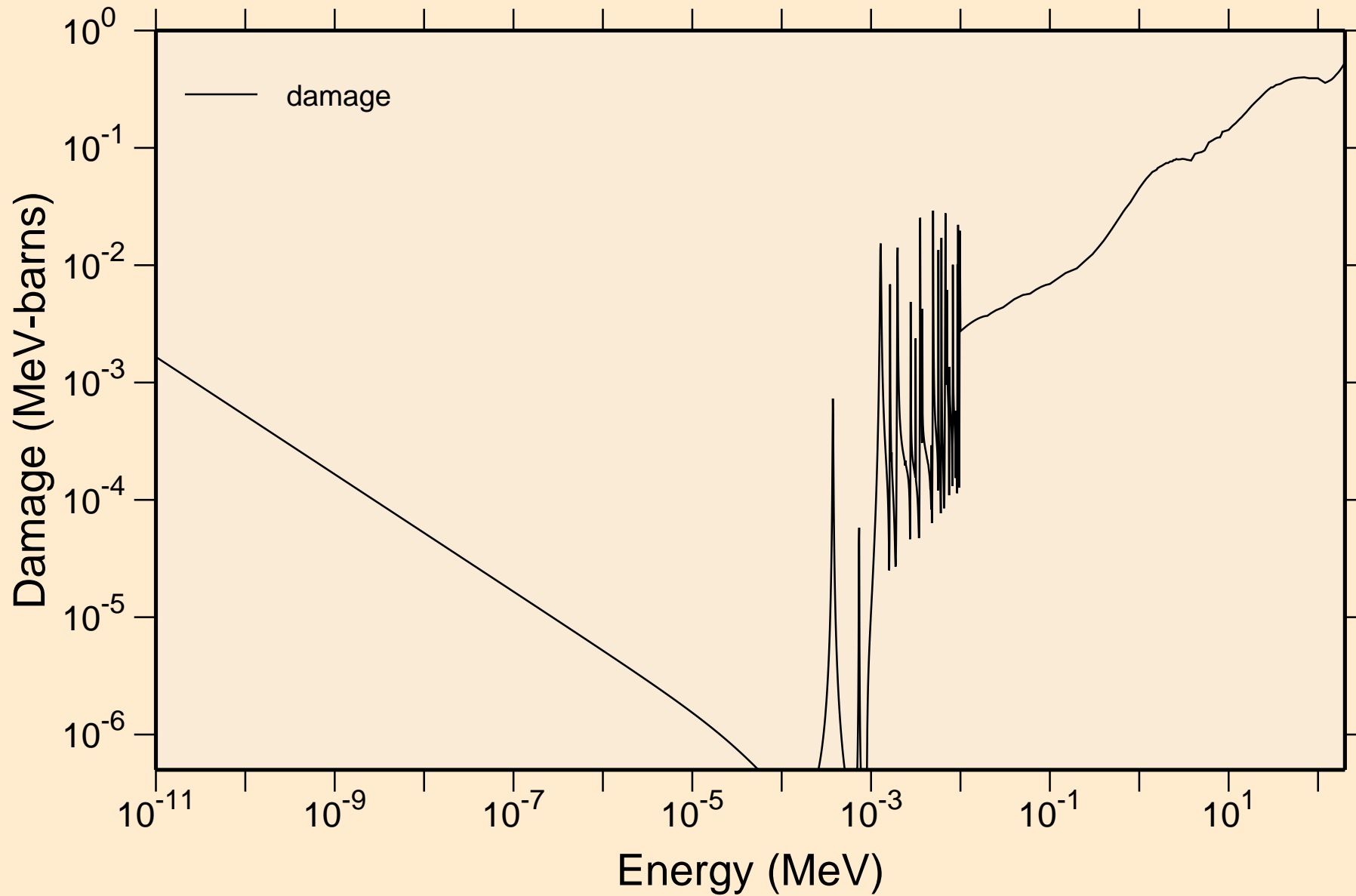
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Heating





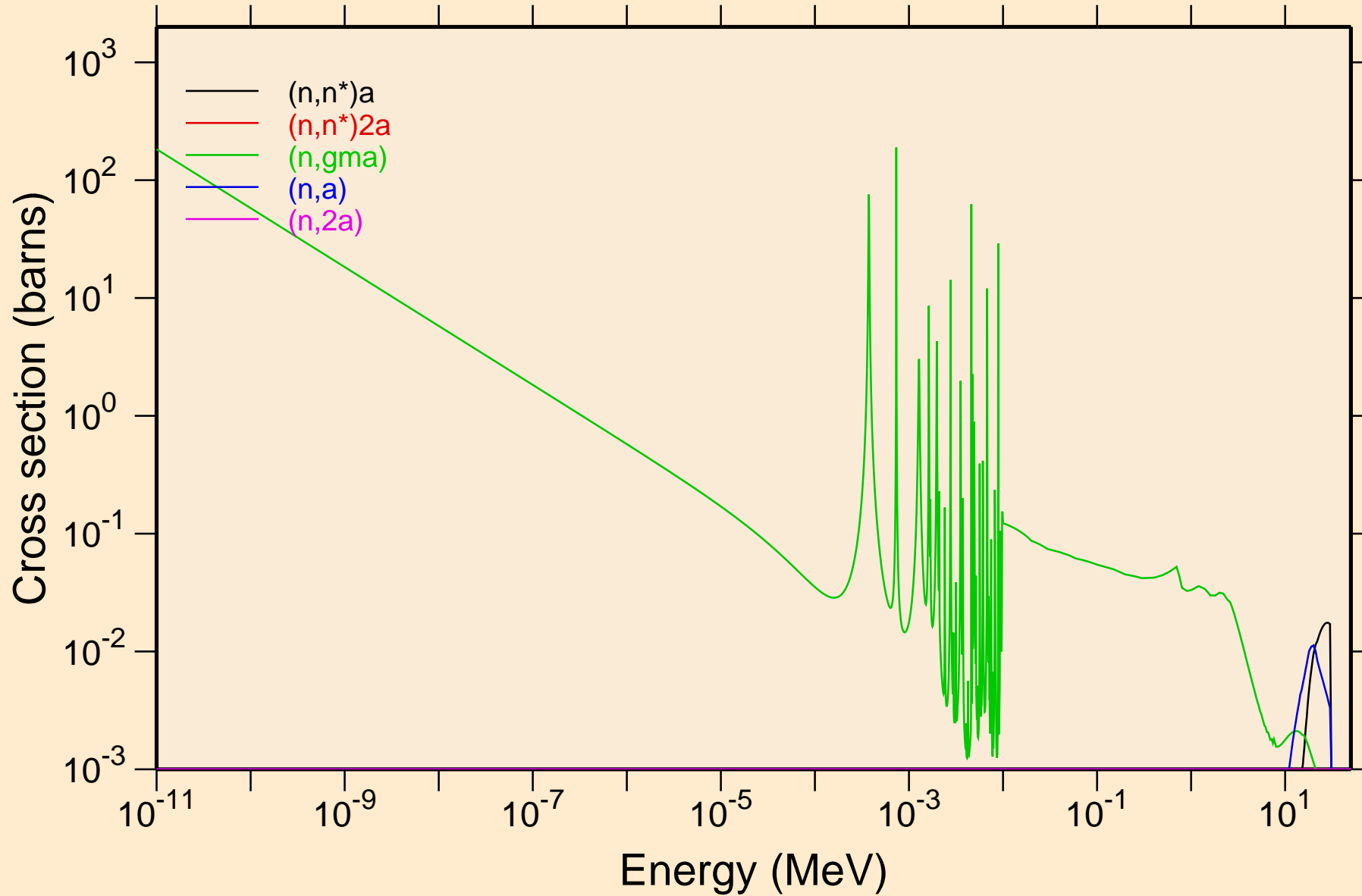
# ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage

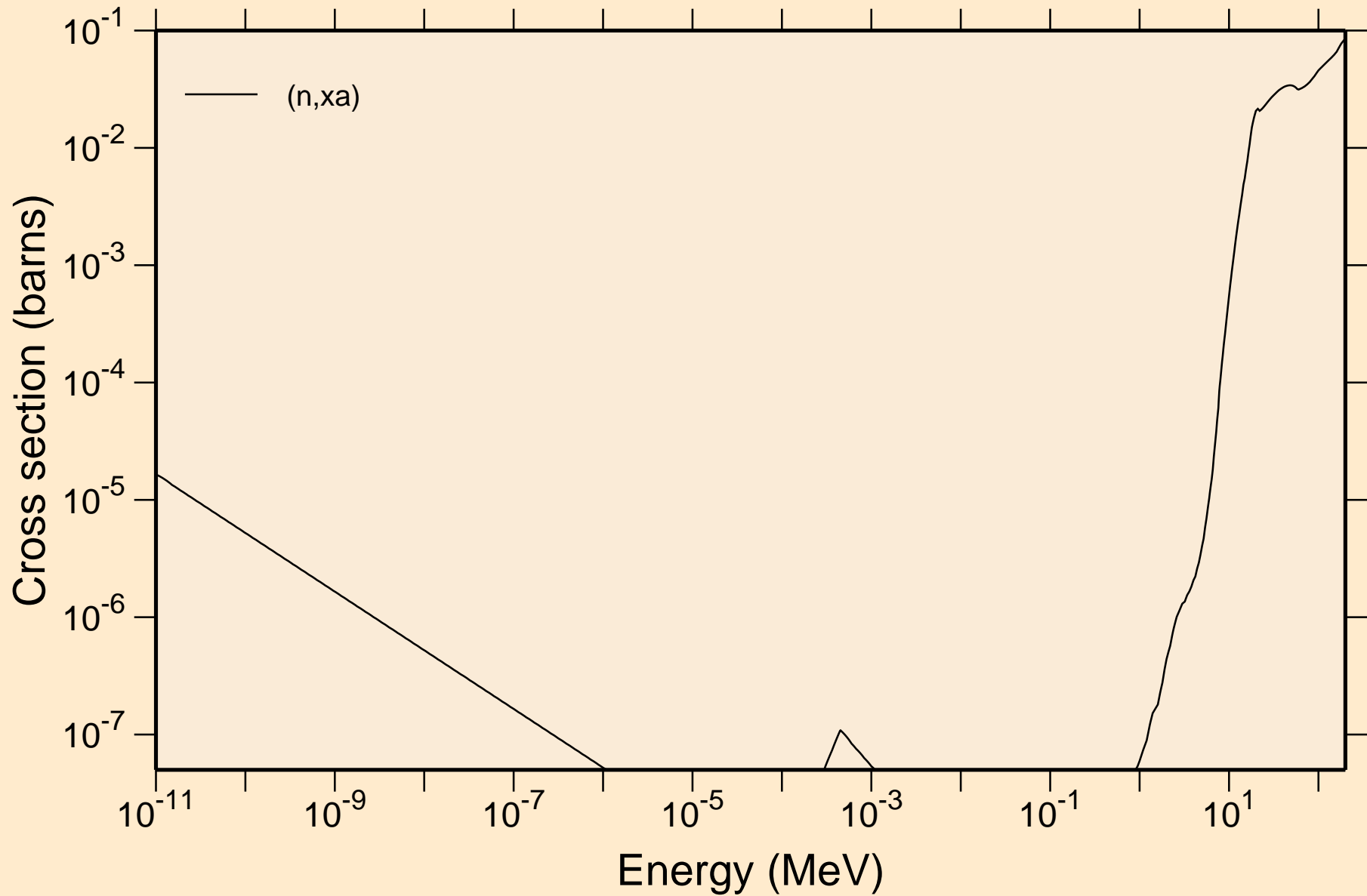


# ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

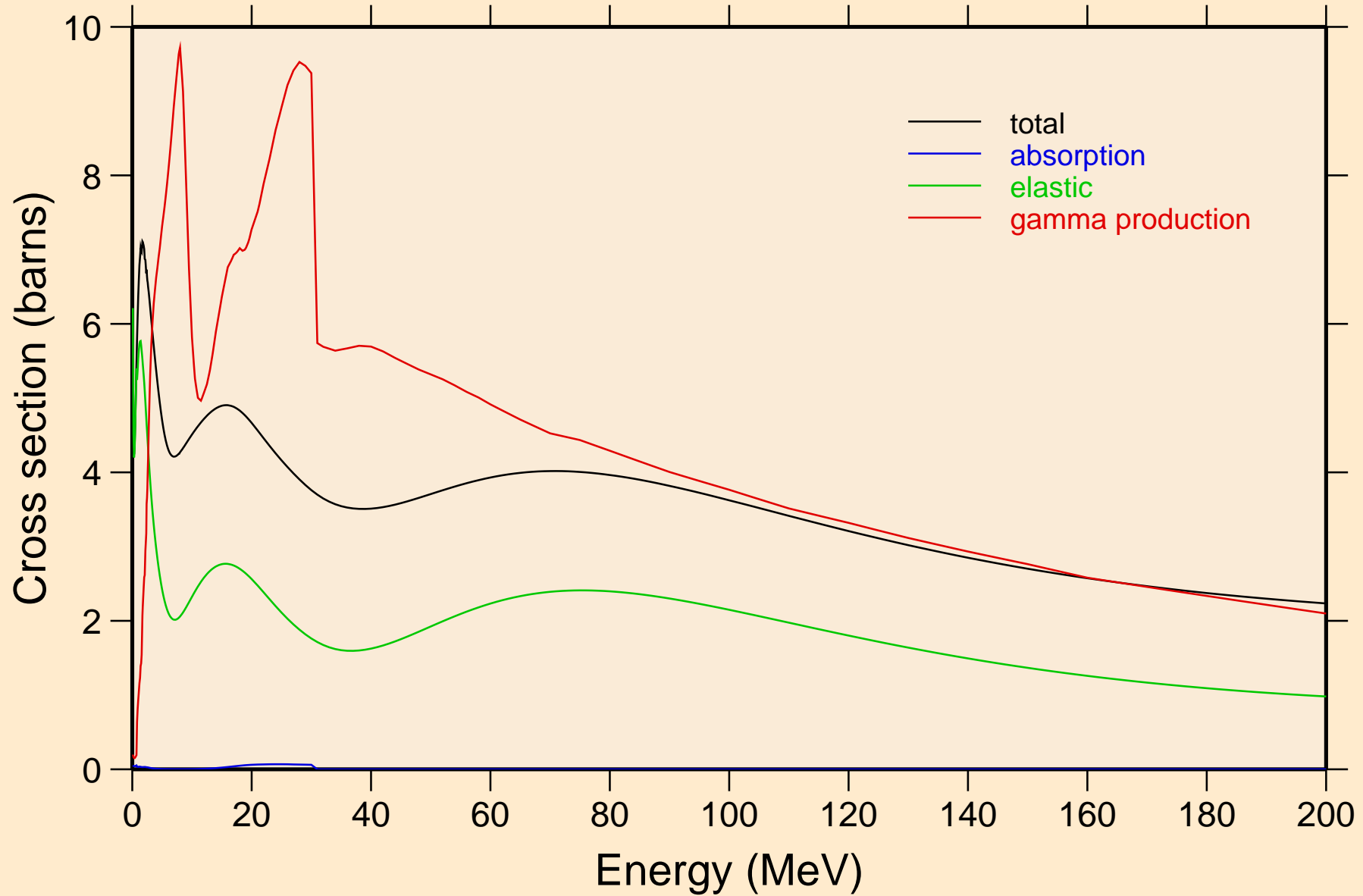


ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



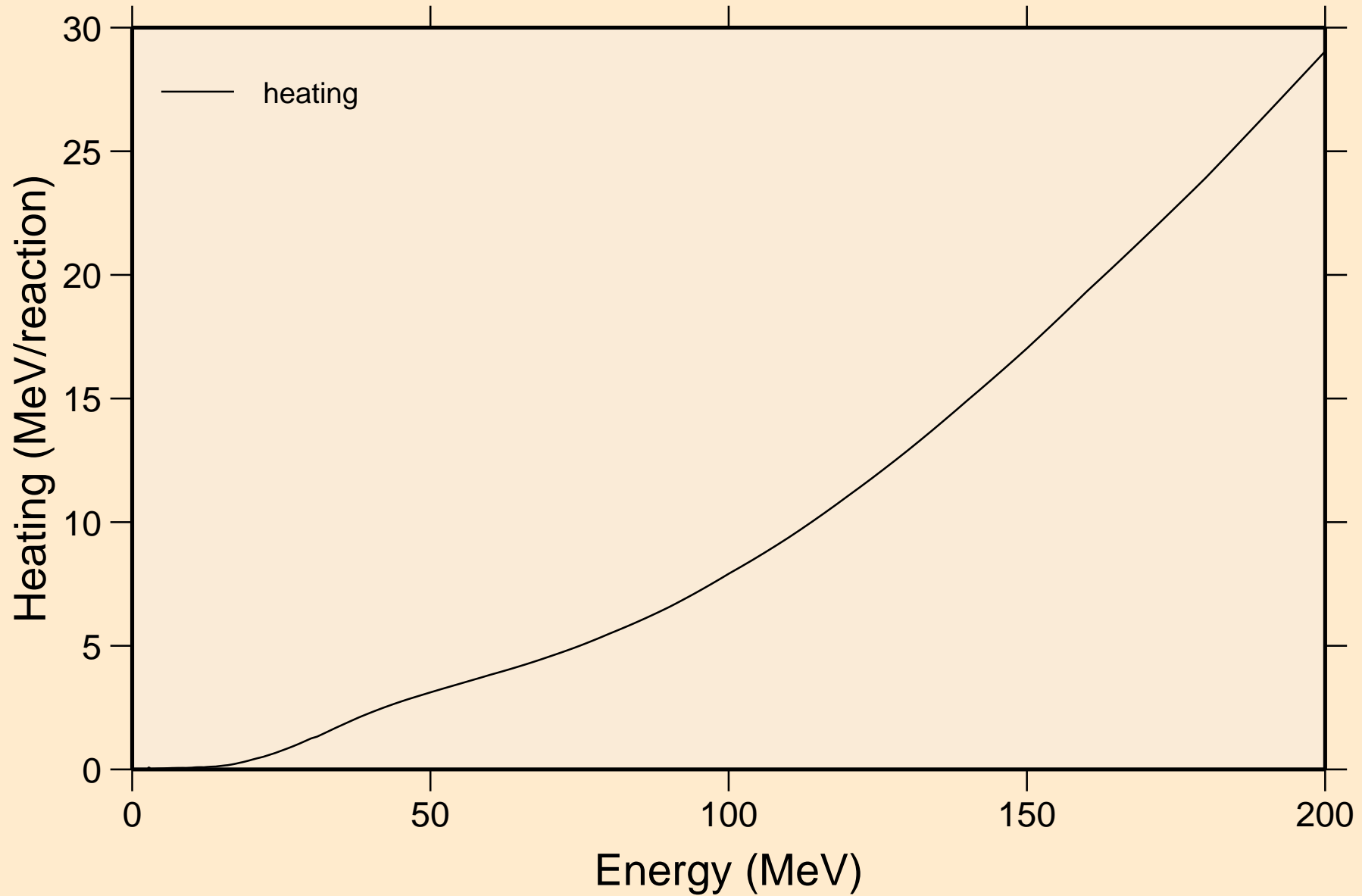
# ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



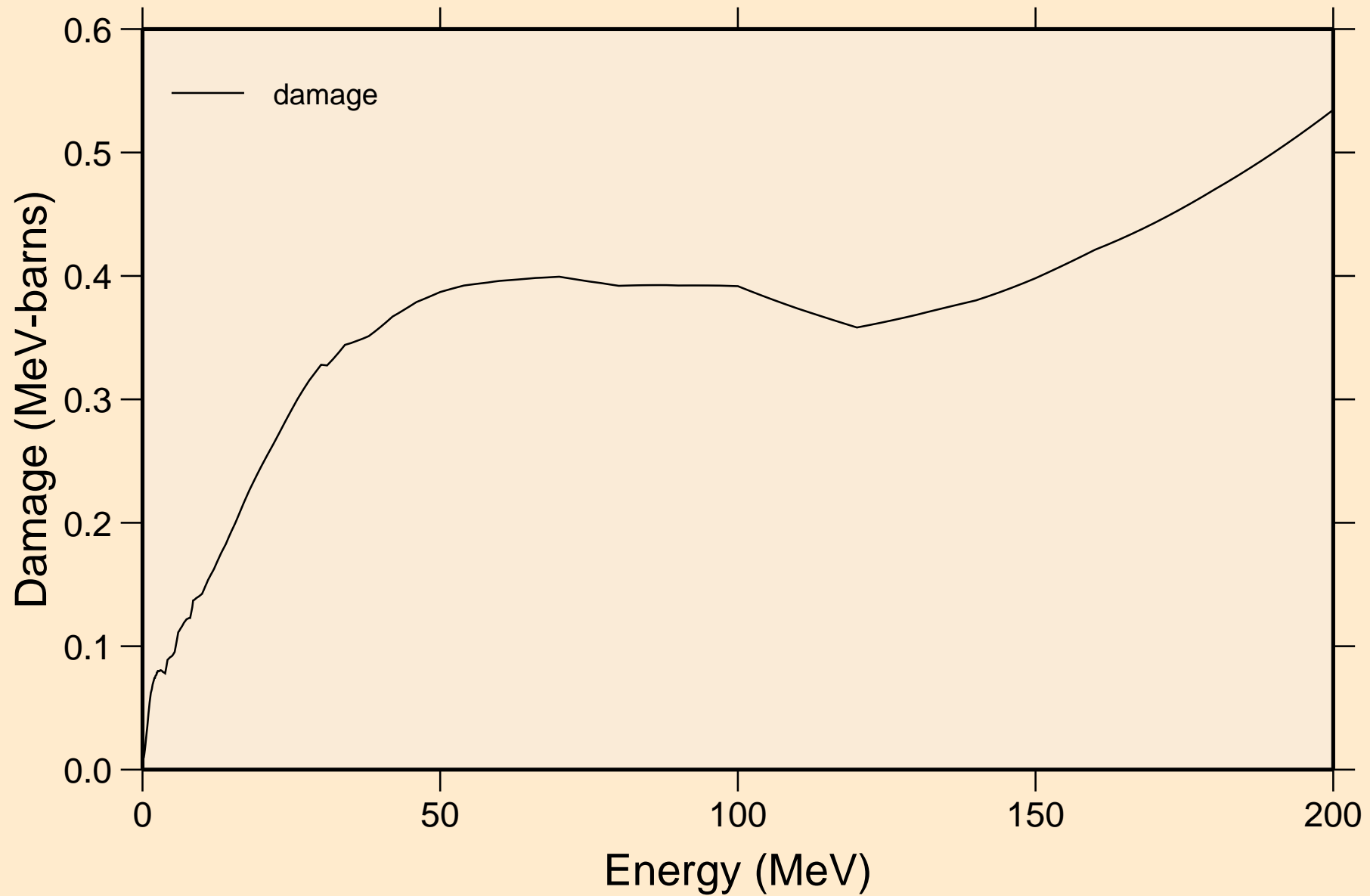
# ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



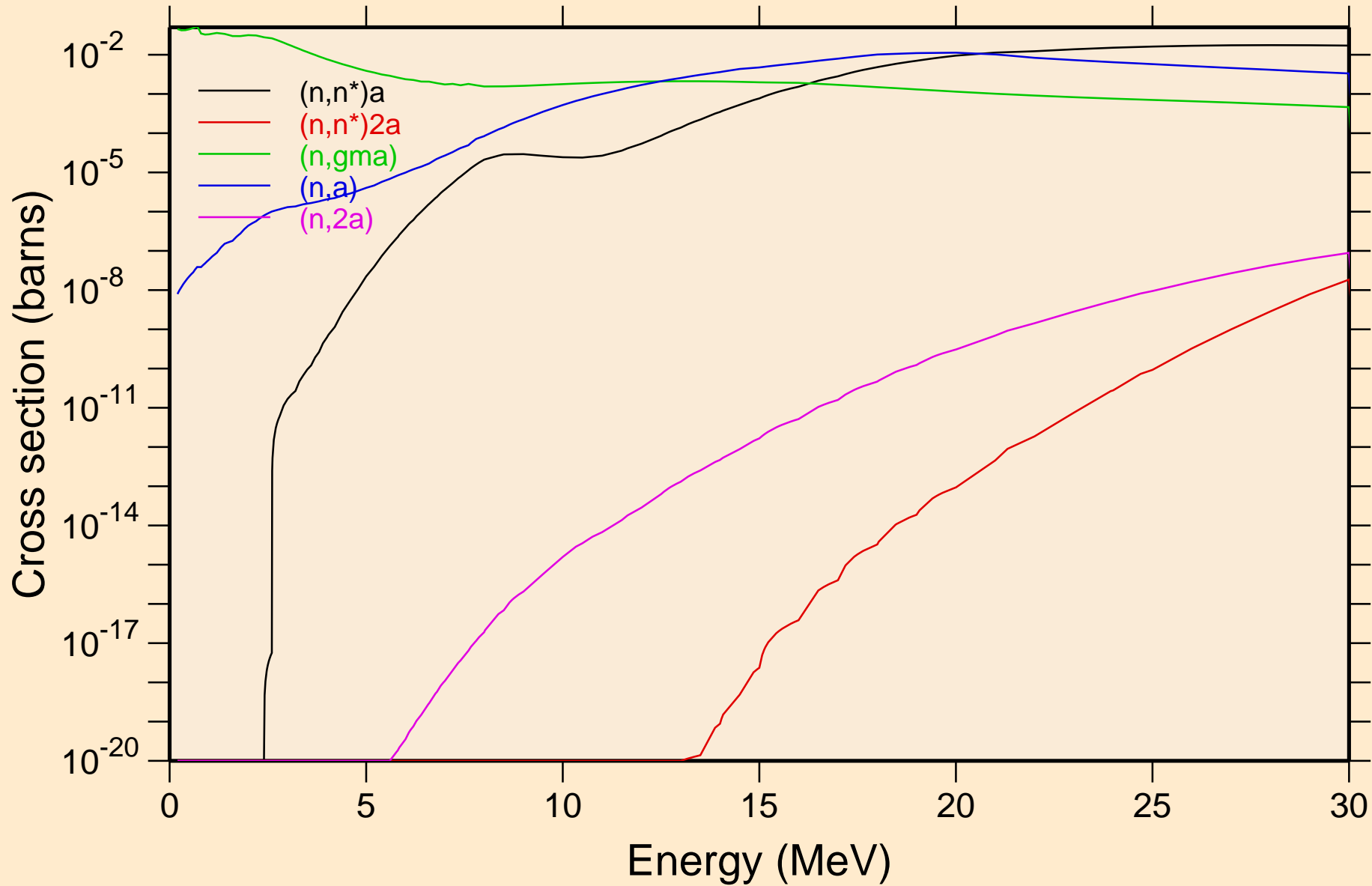
# ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage

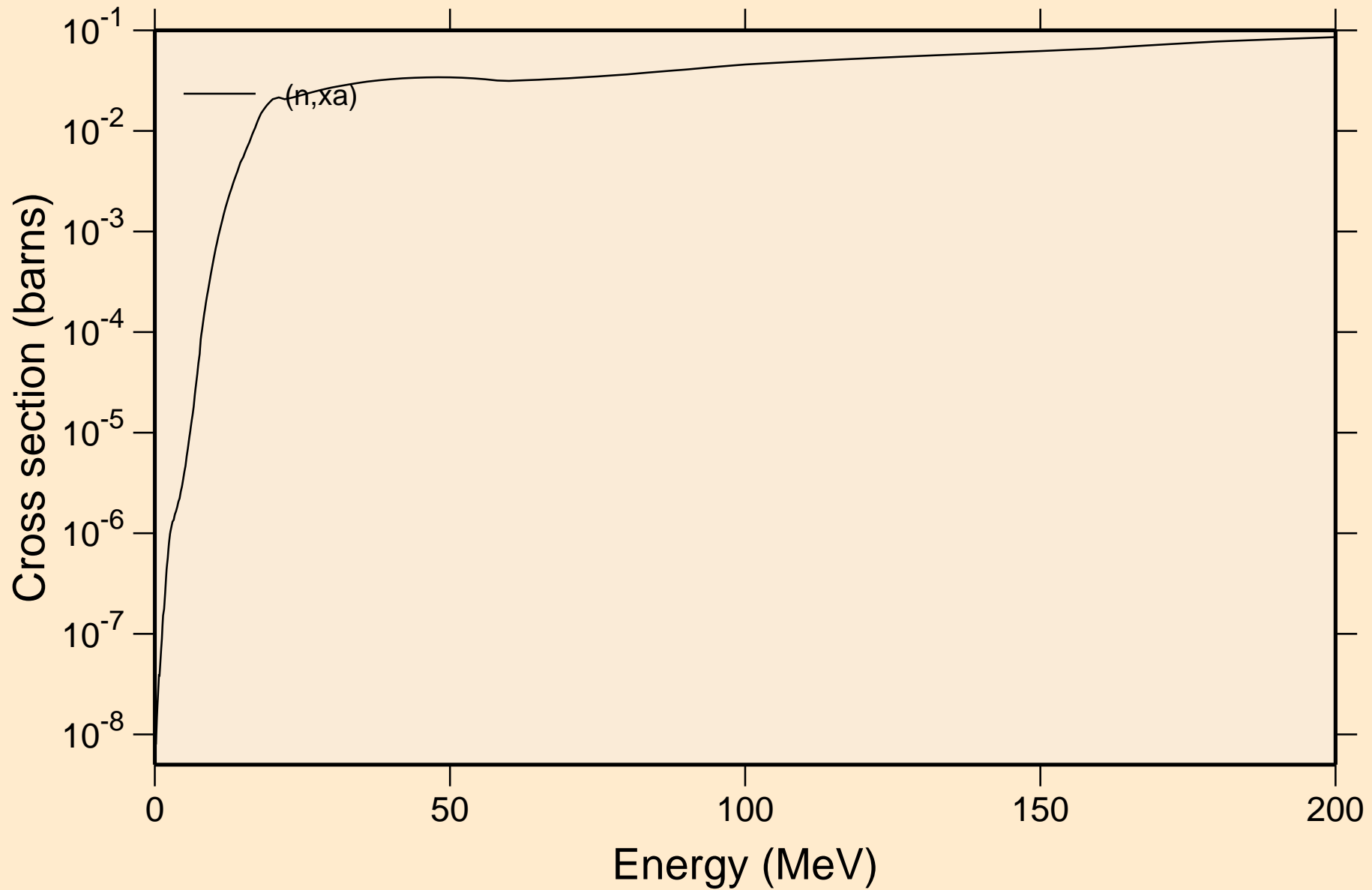


# ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



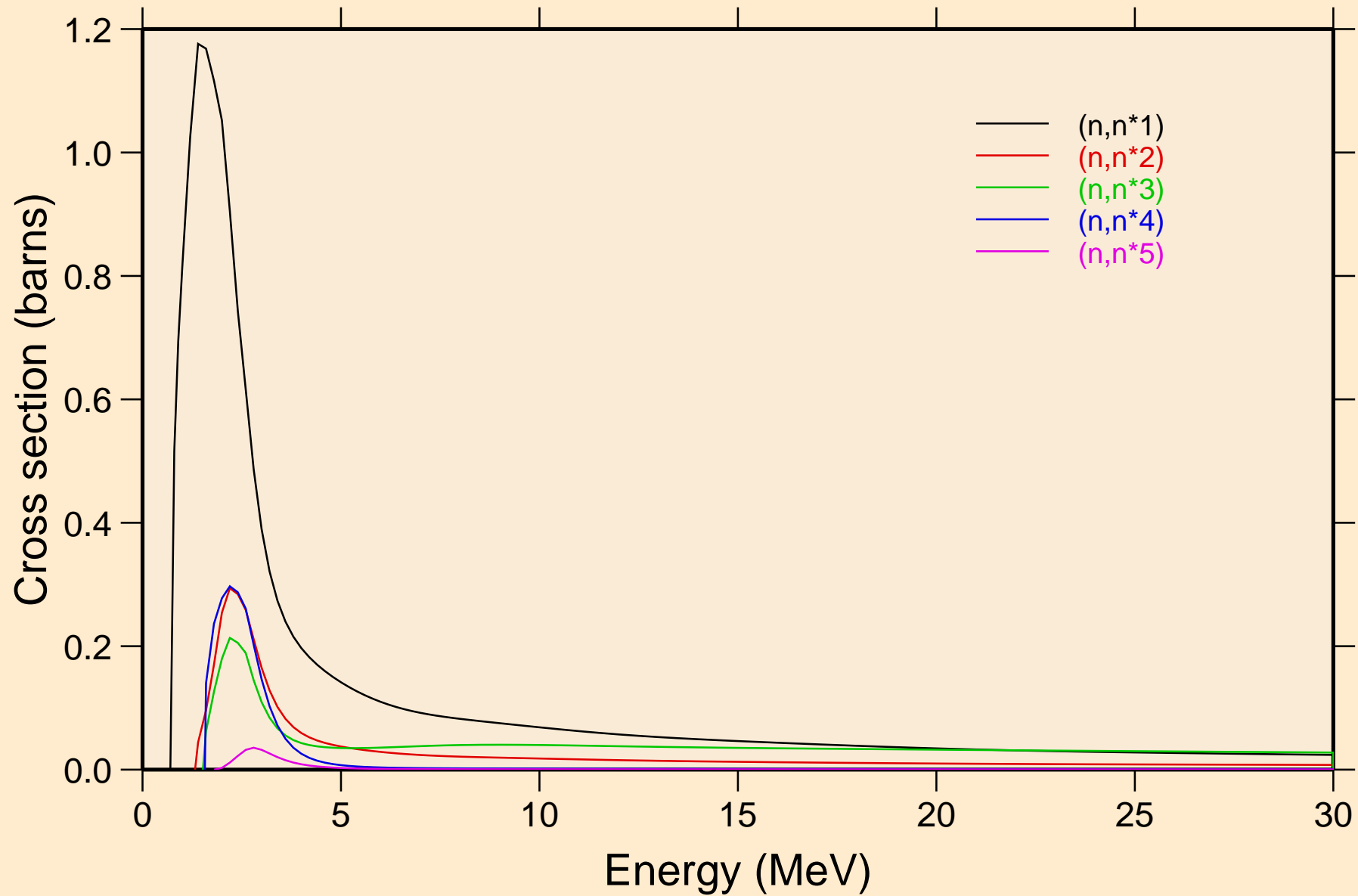
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions





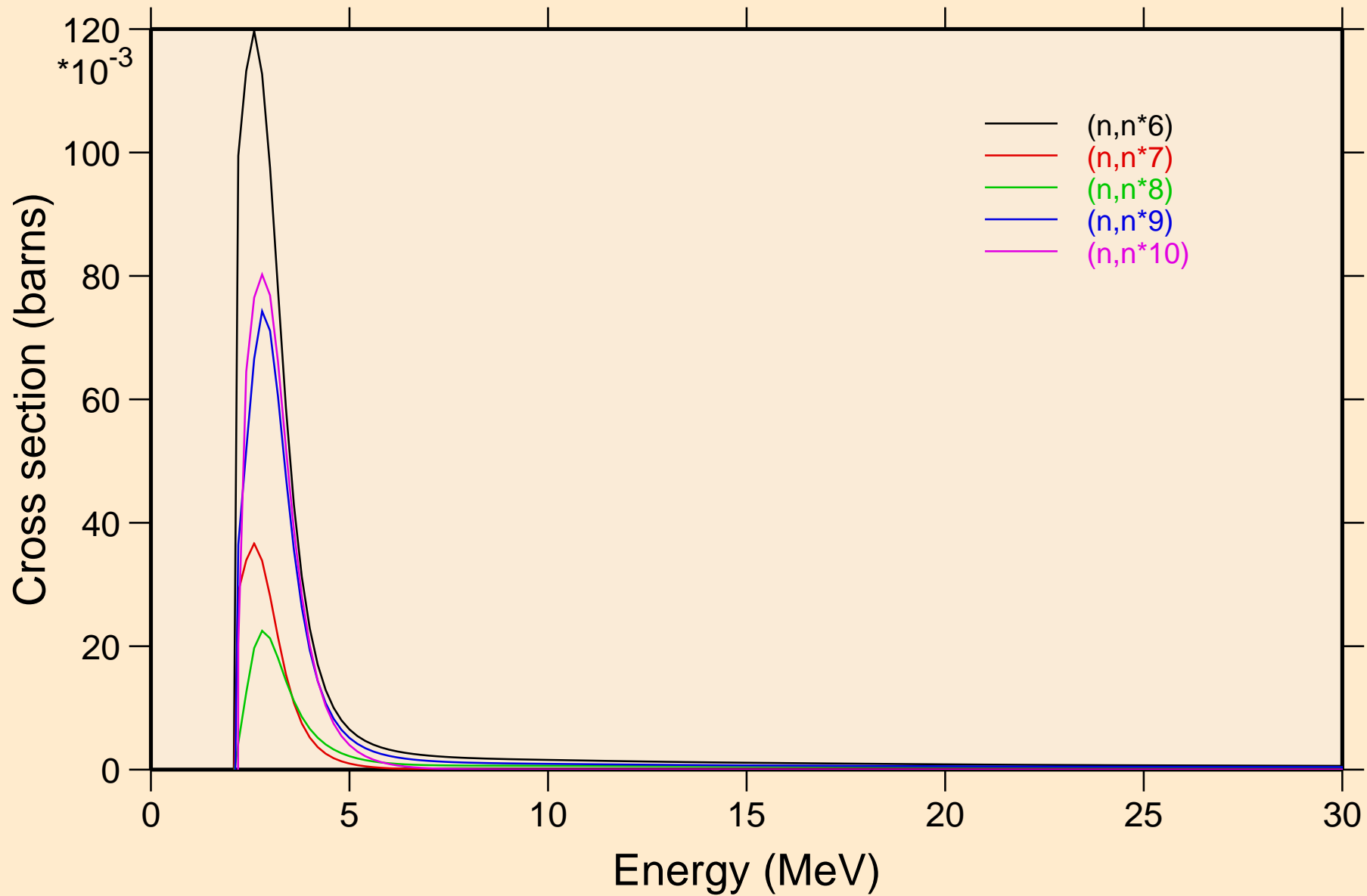
# ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



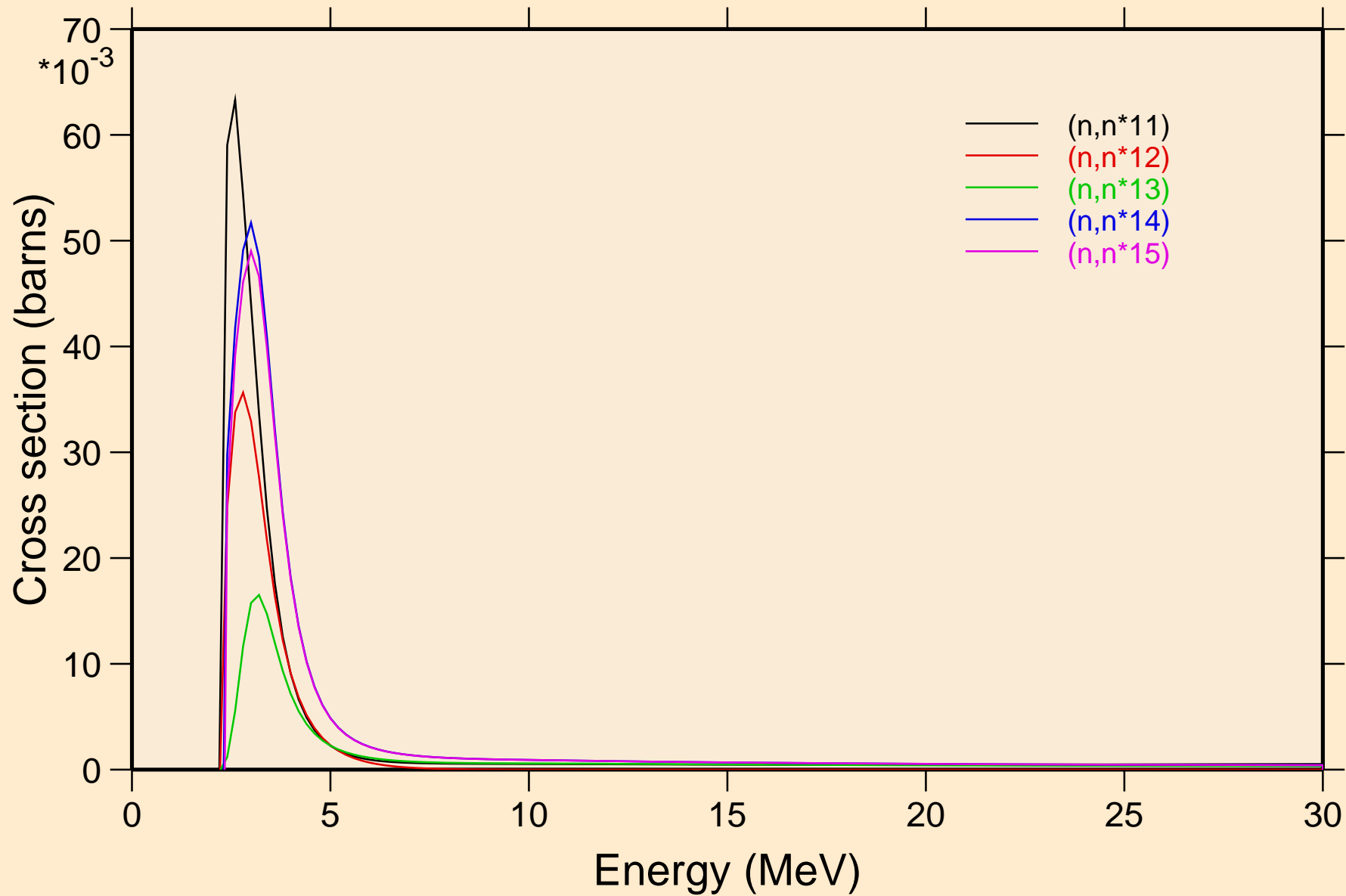
# ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



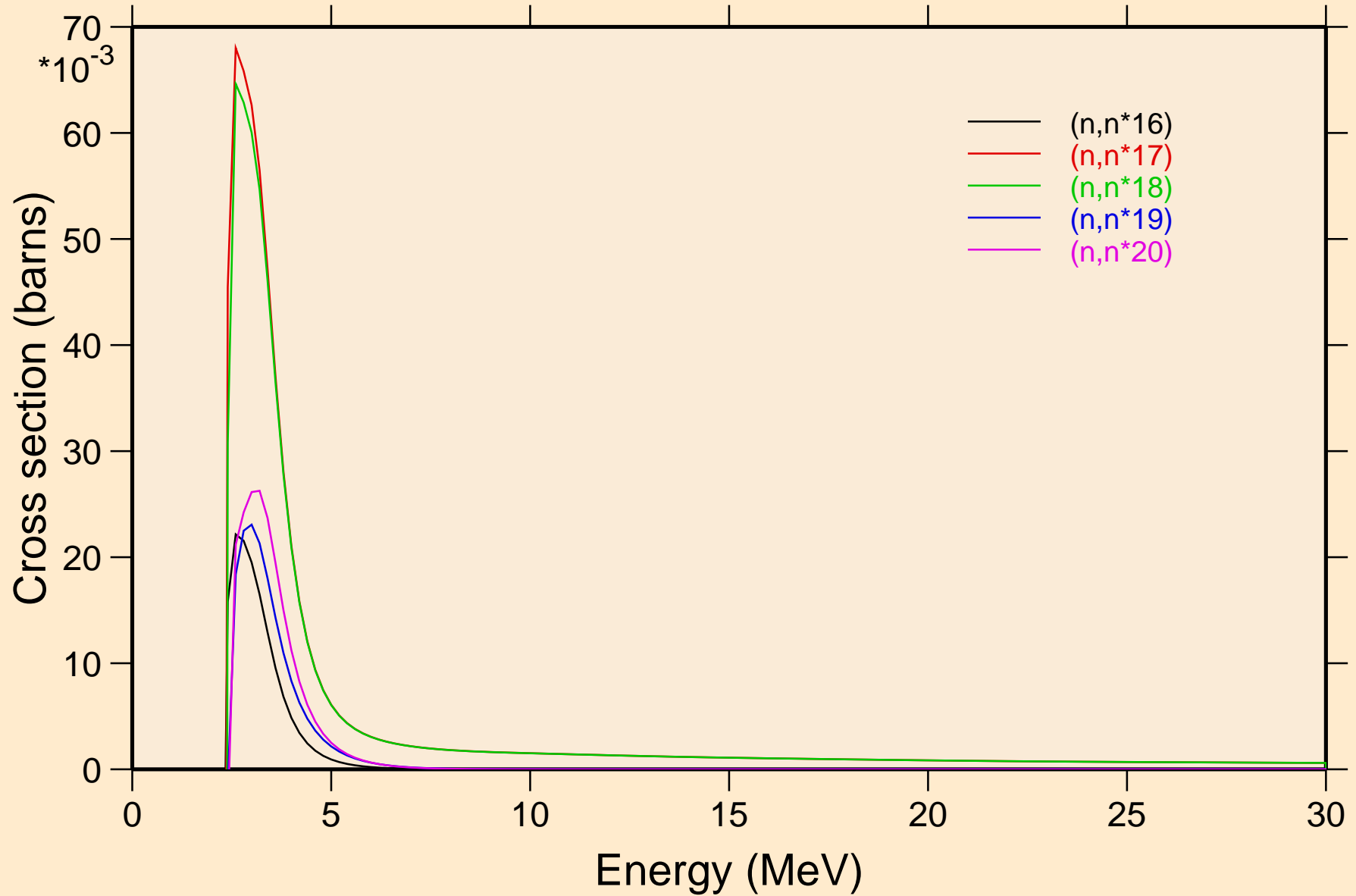
# ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels

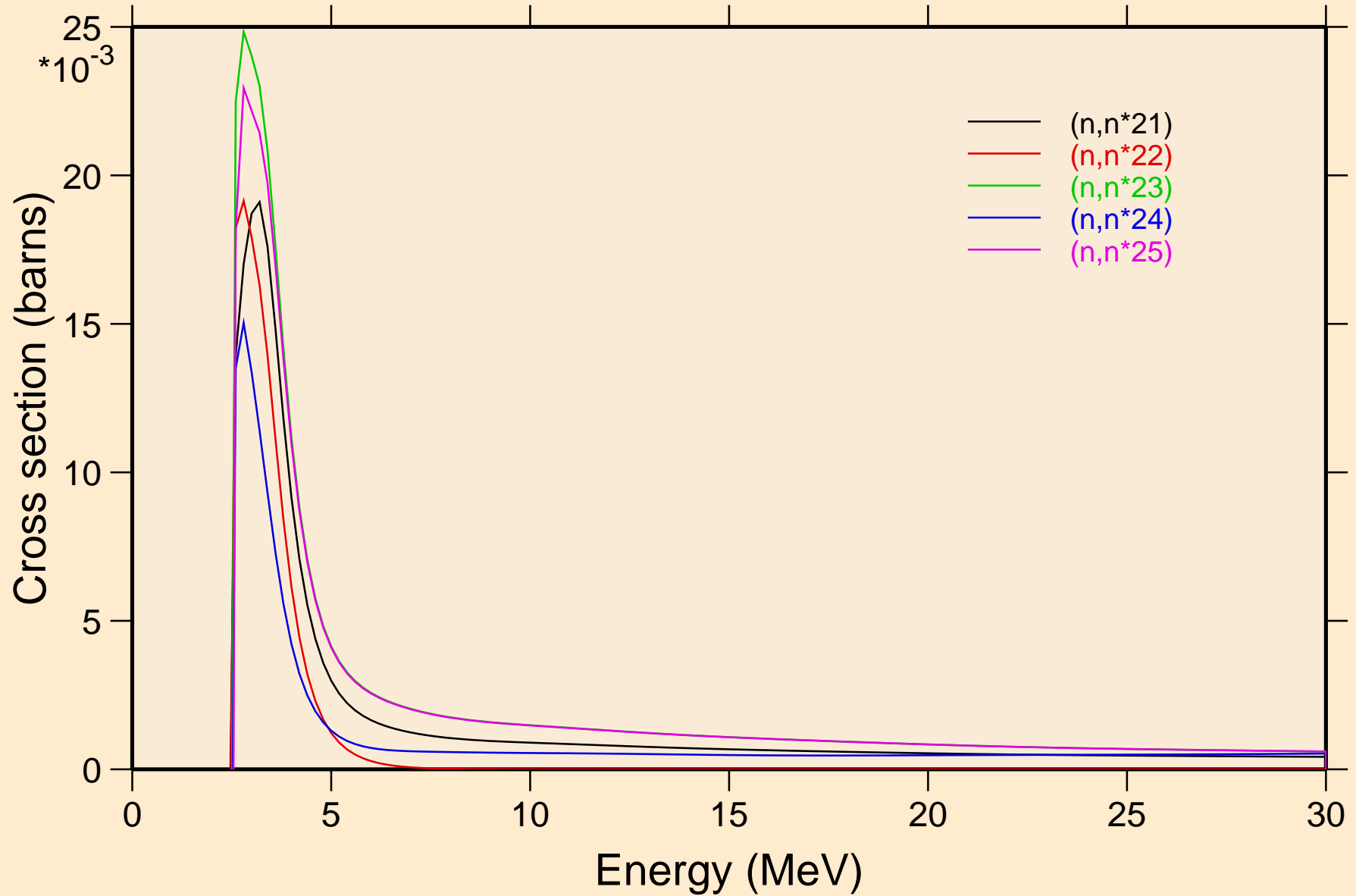


# ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels

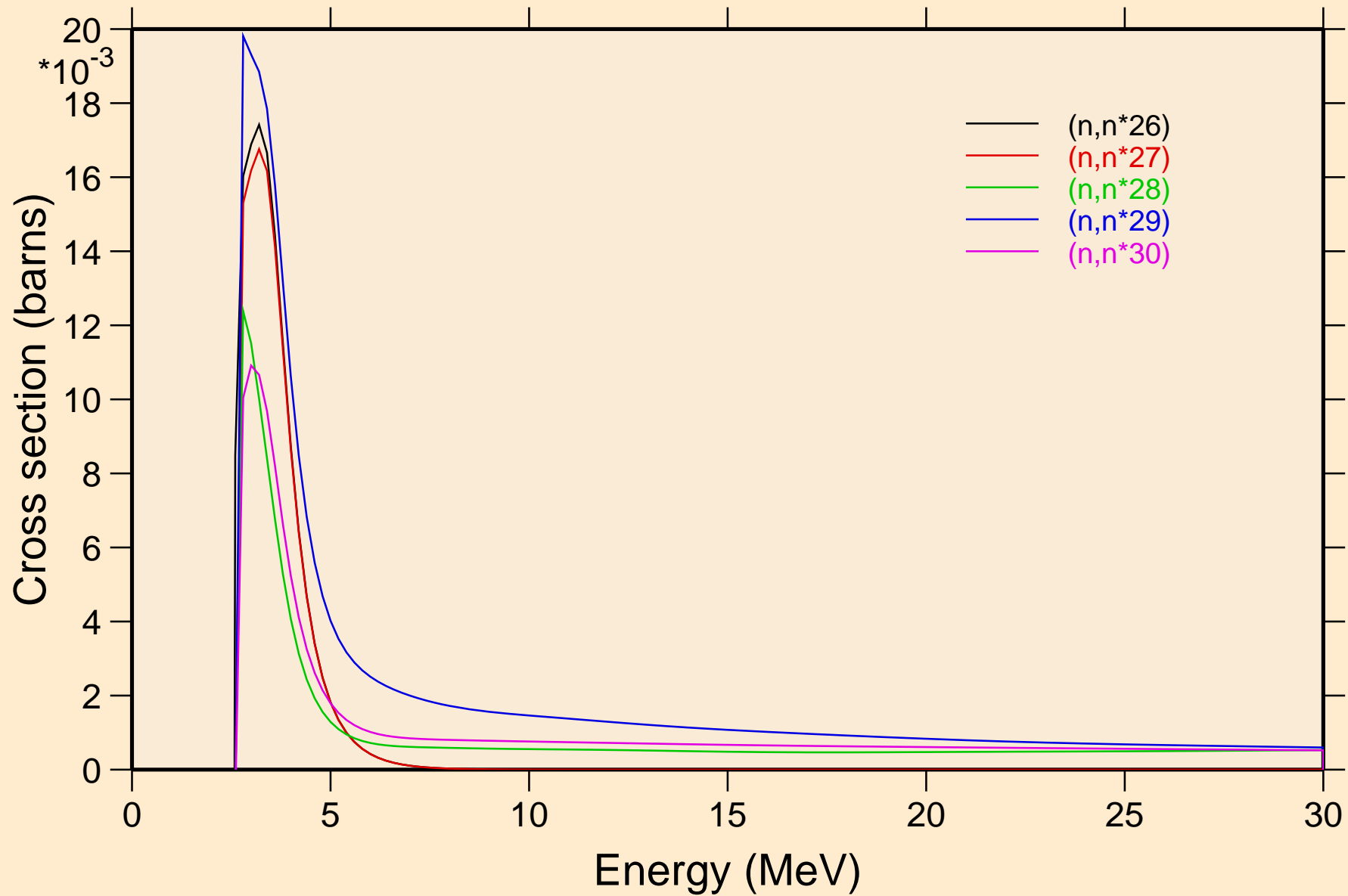


ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



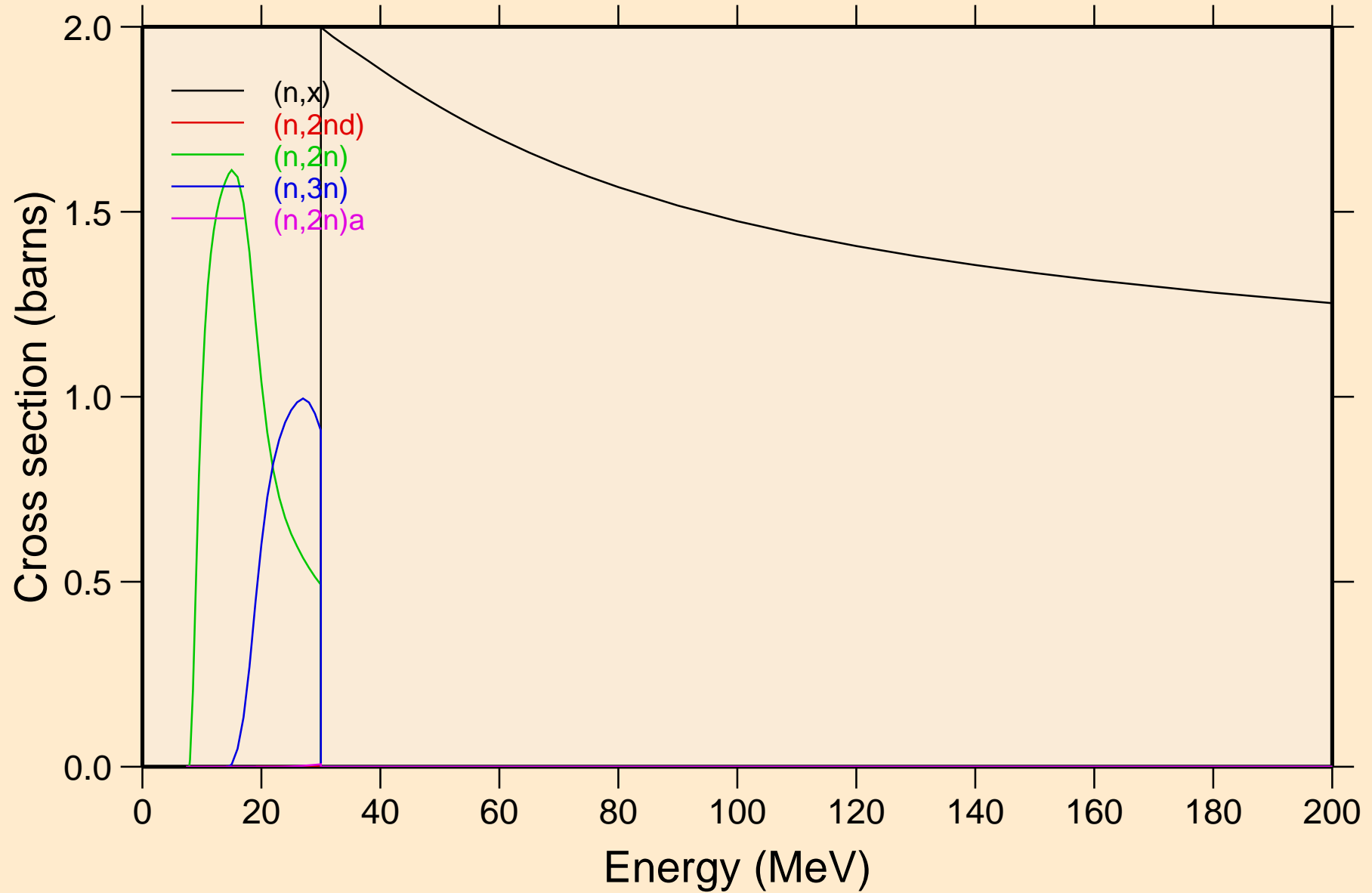
# ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



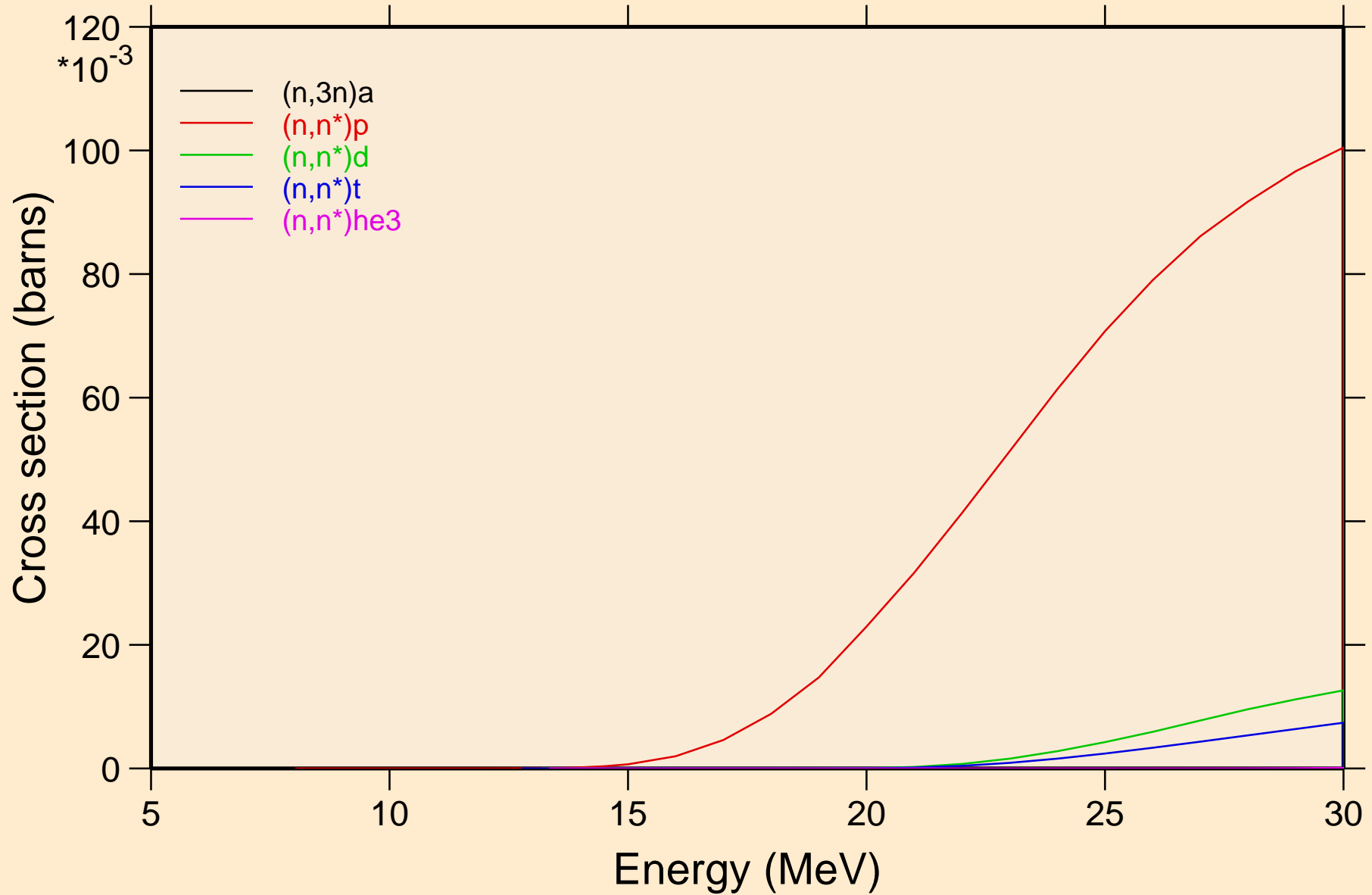
# ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



# ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

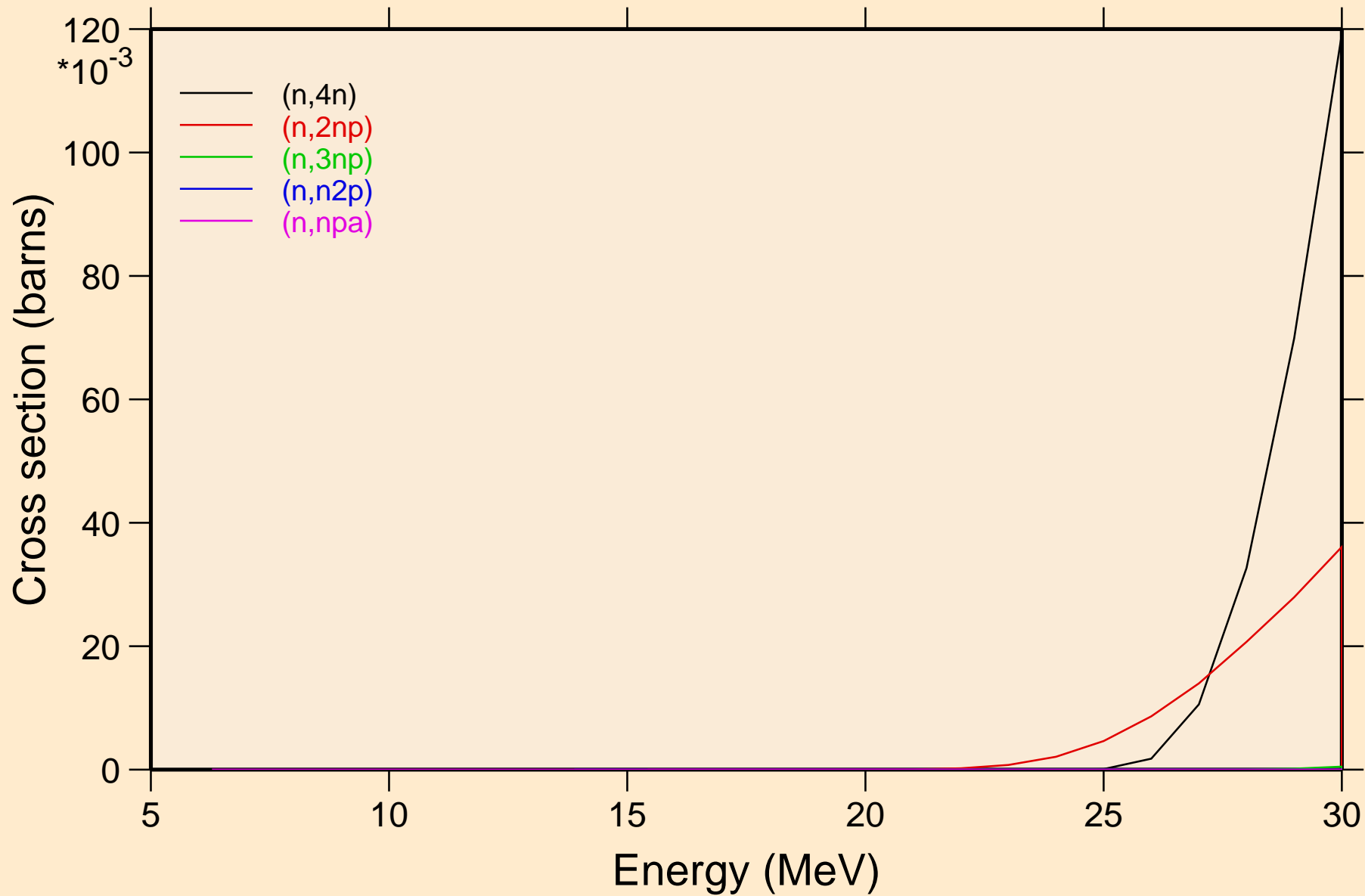
## Threshold reactions





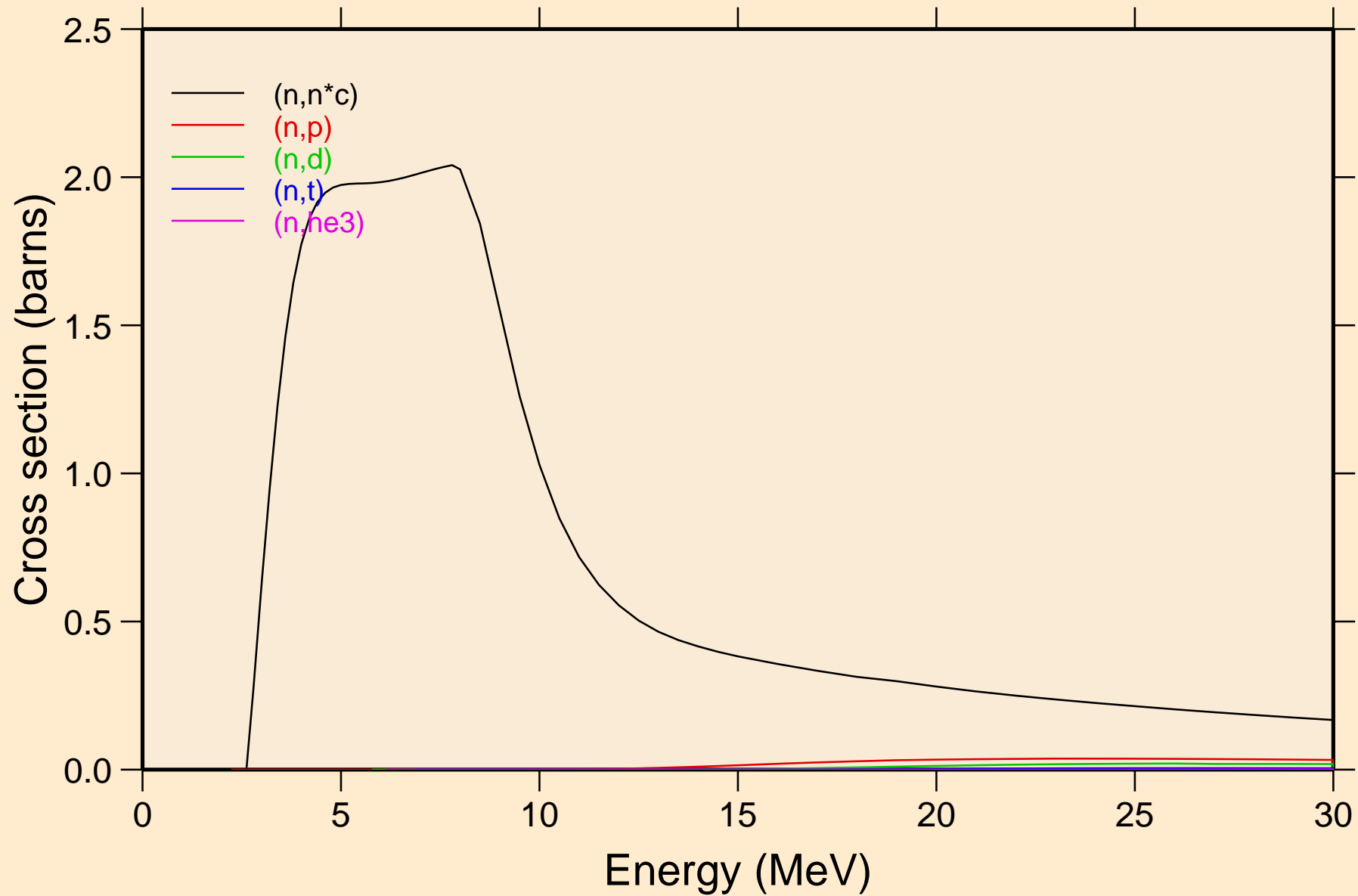
# ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



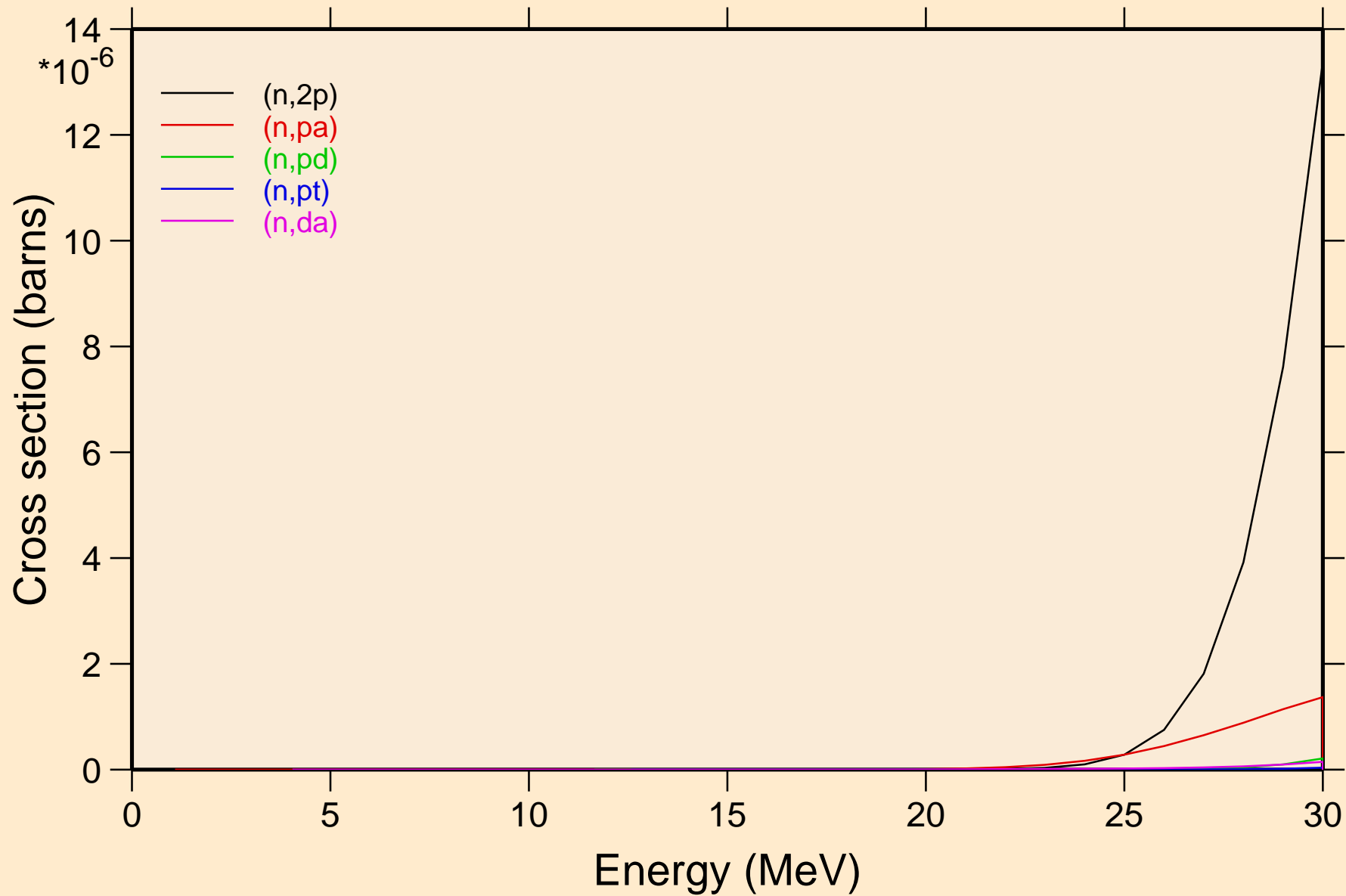
# ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



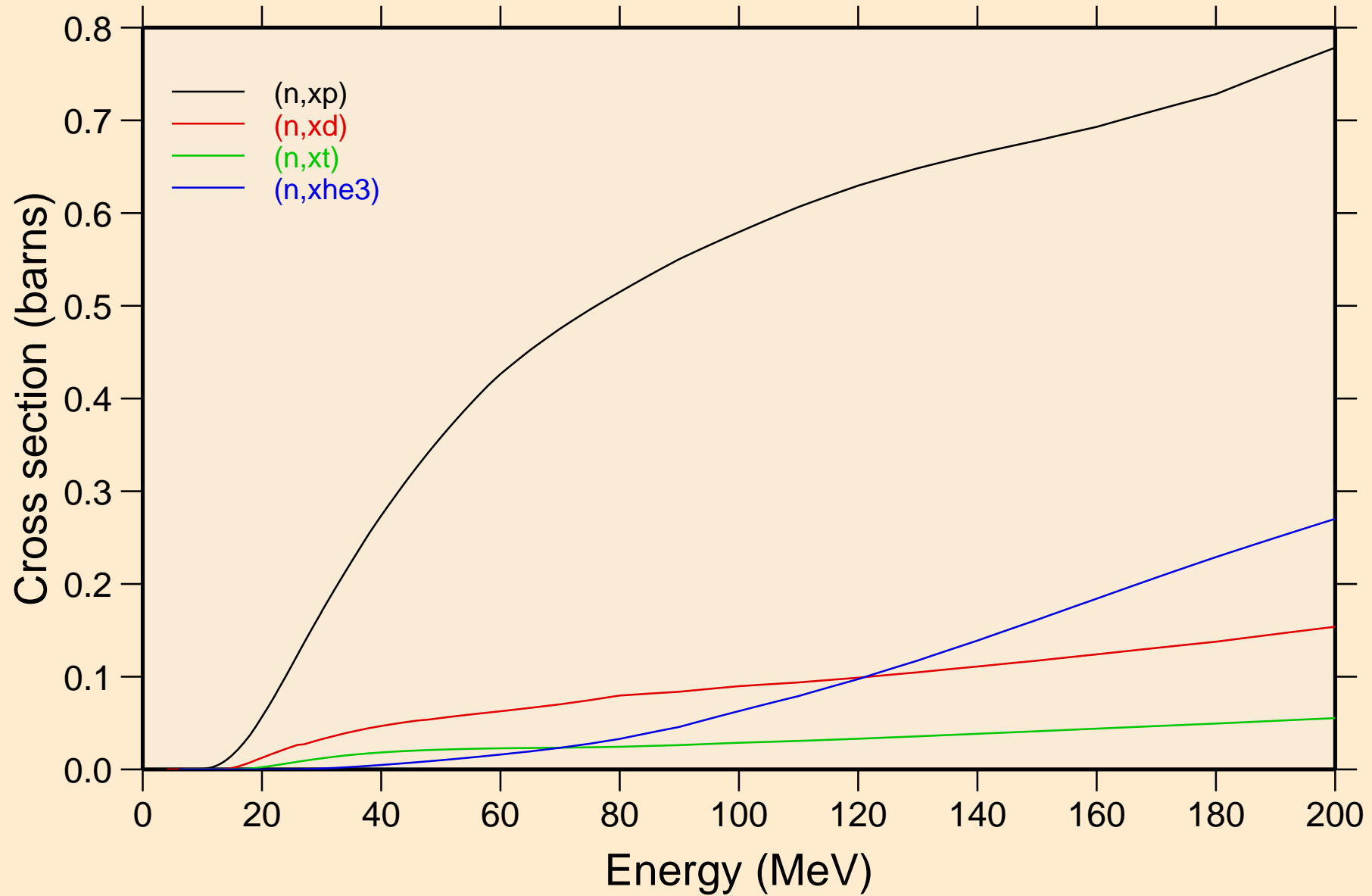
# ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

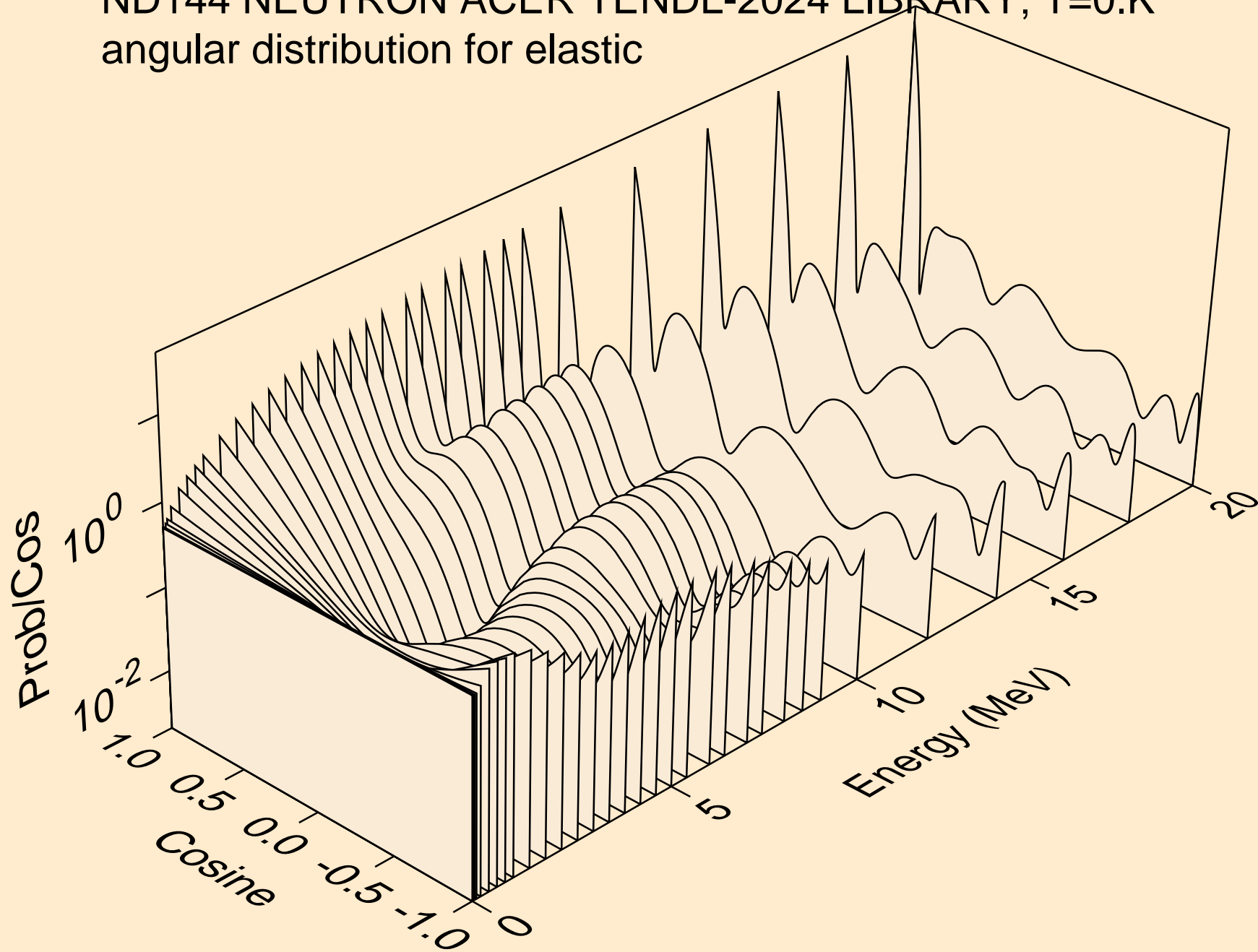


# ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

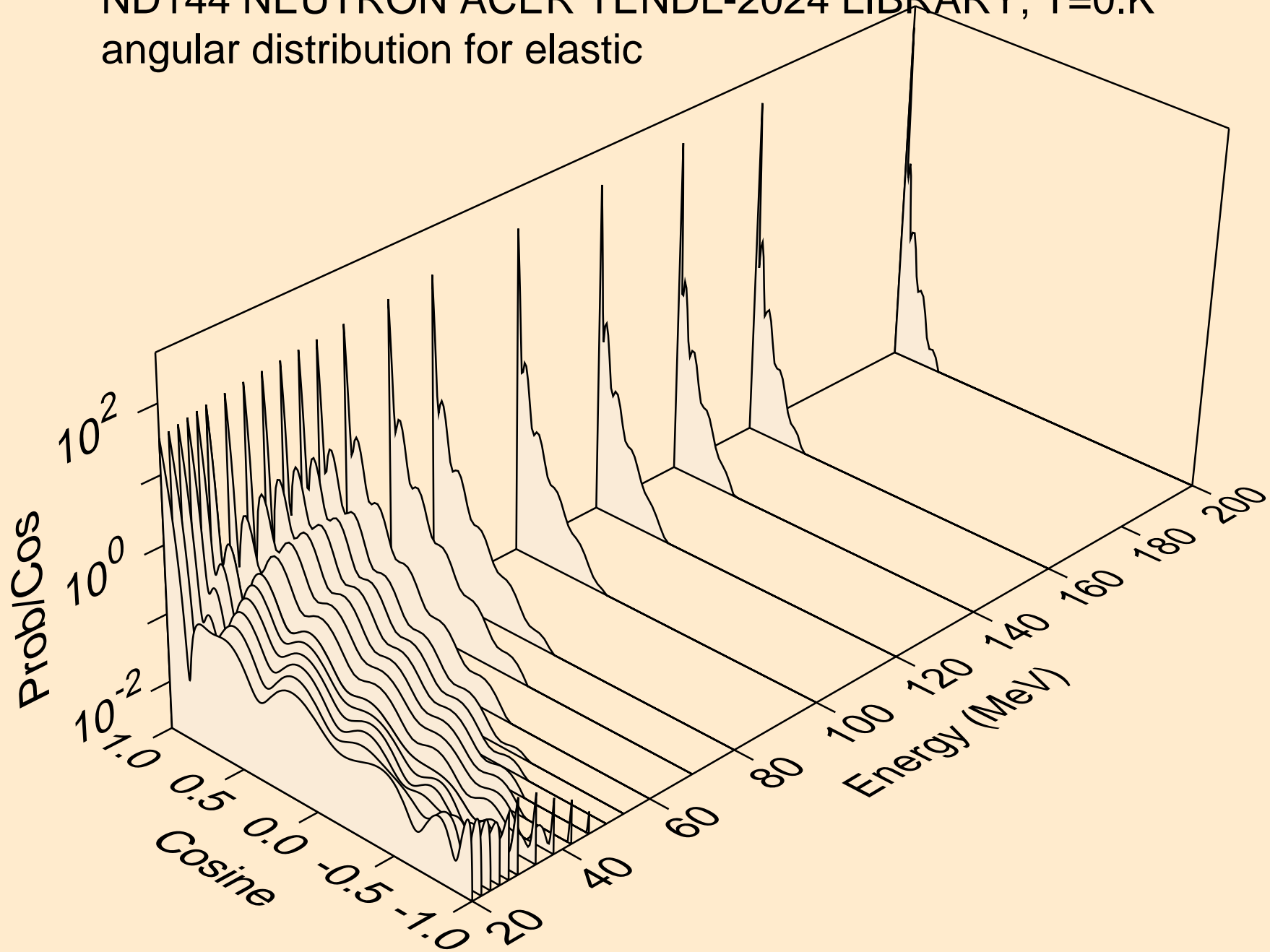
## Threshold reactions



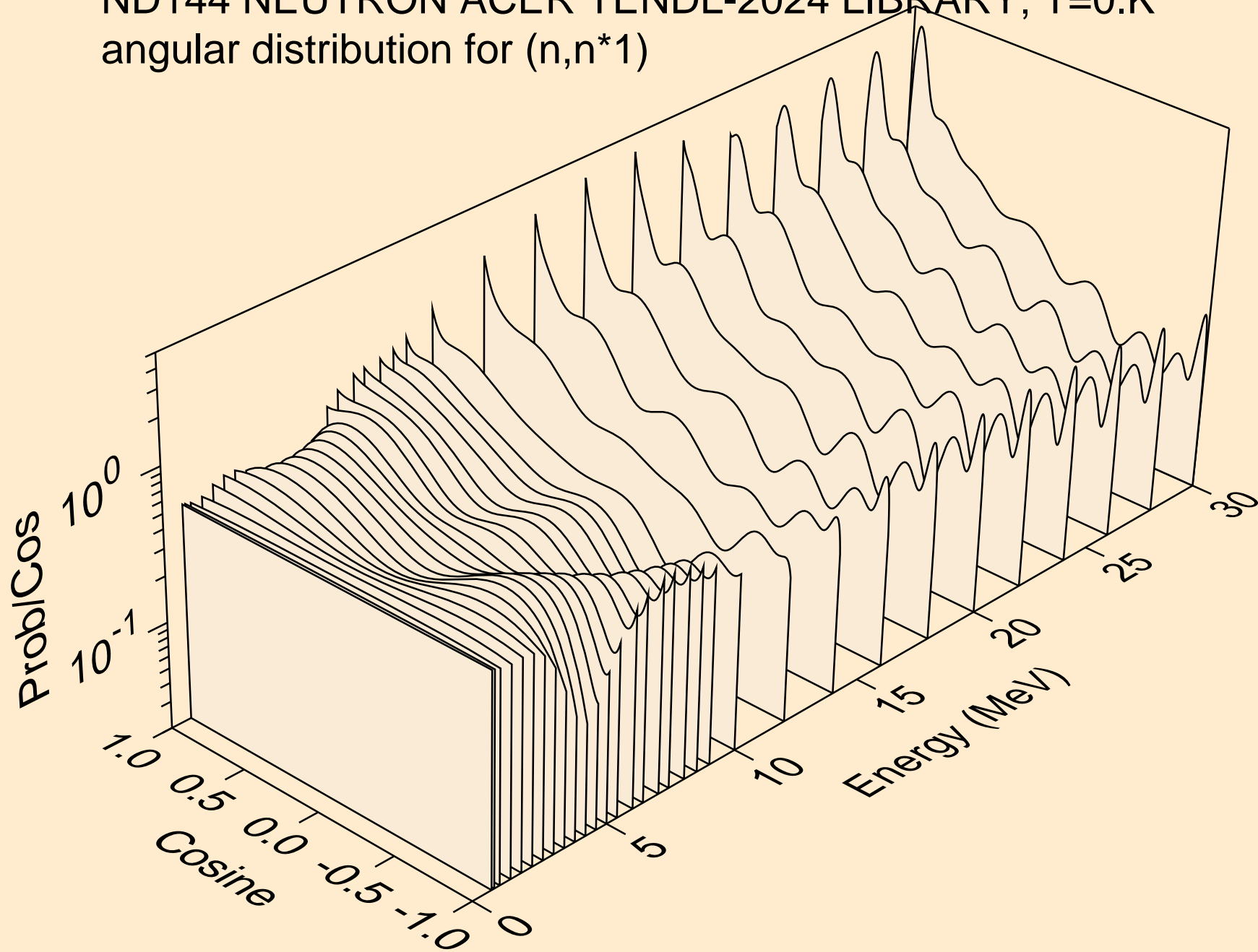
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



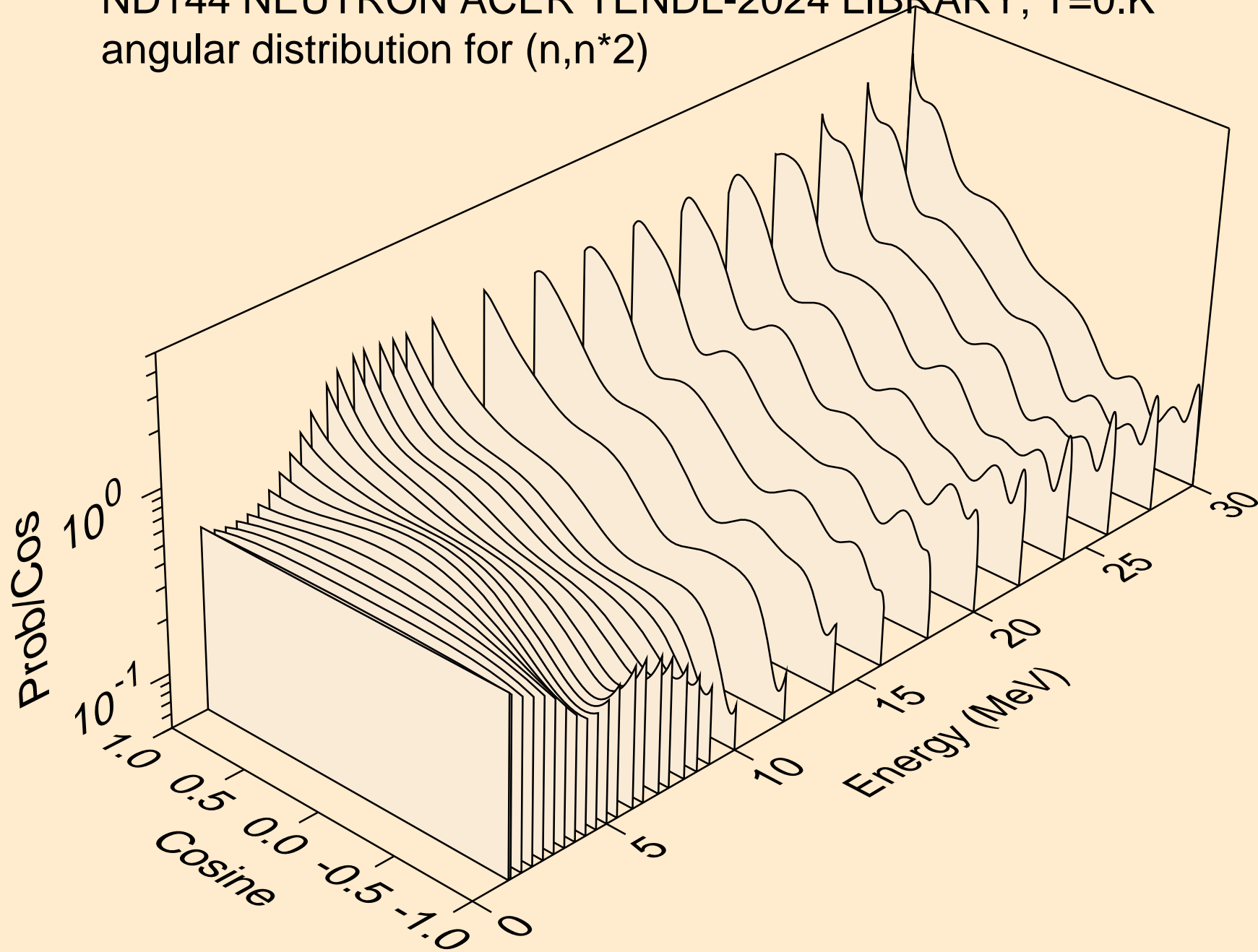
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

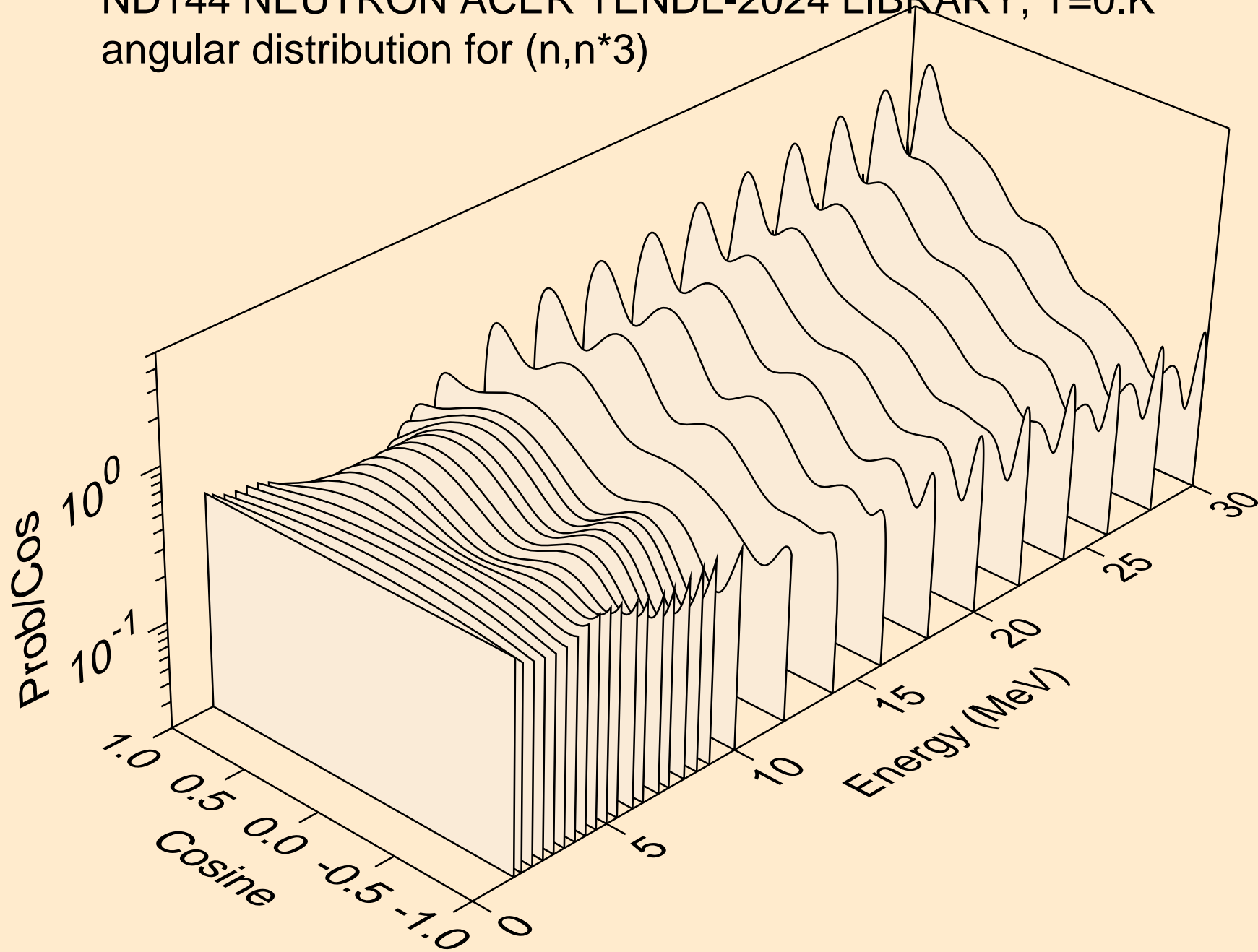


ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

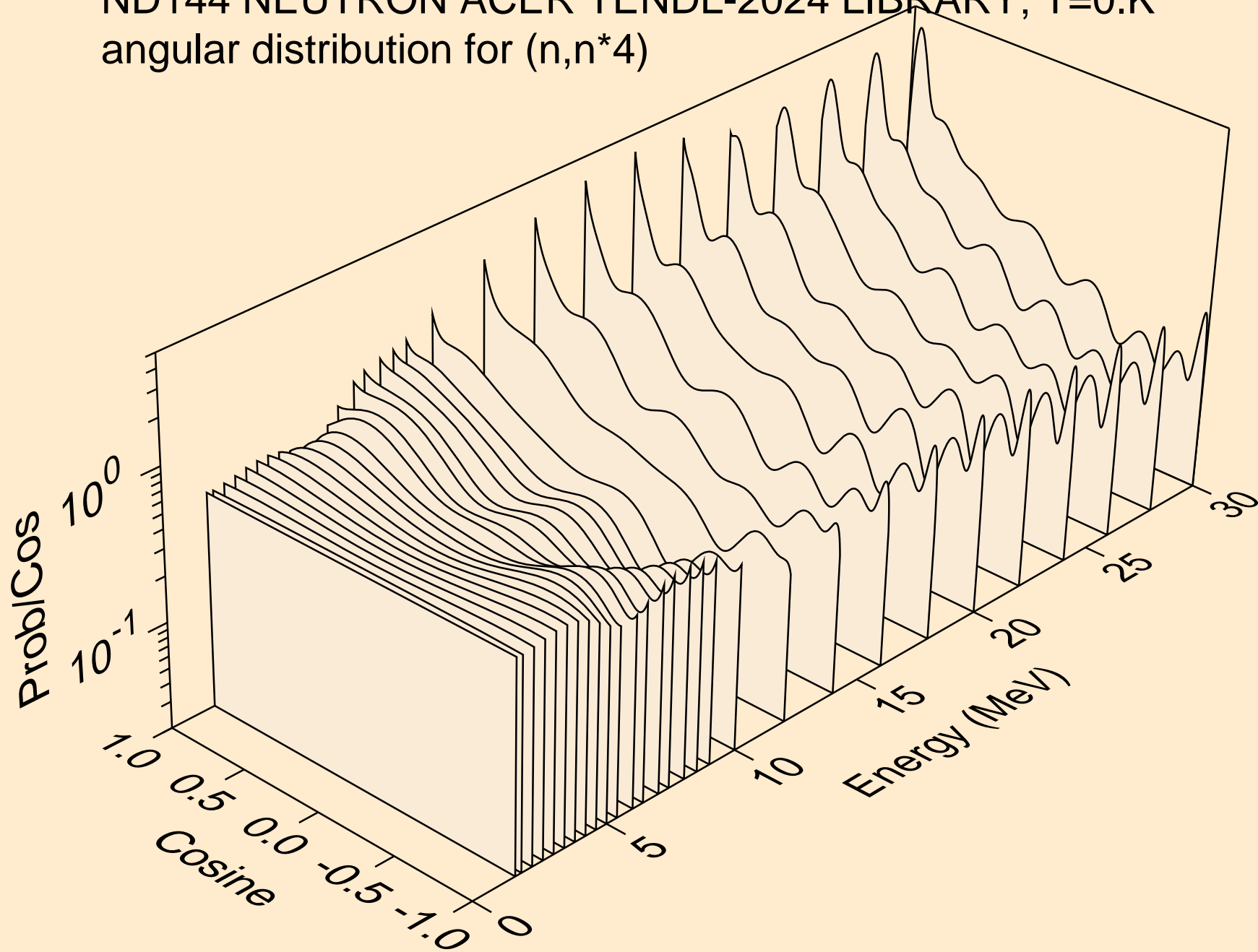




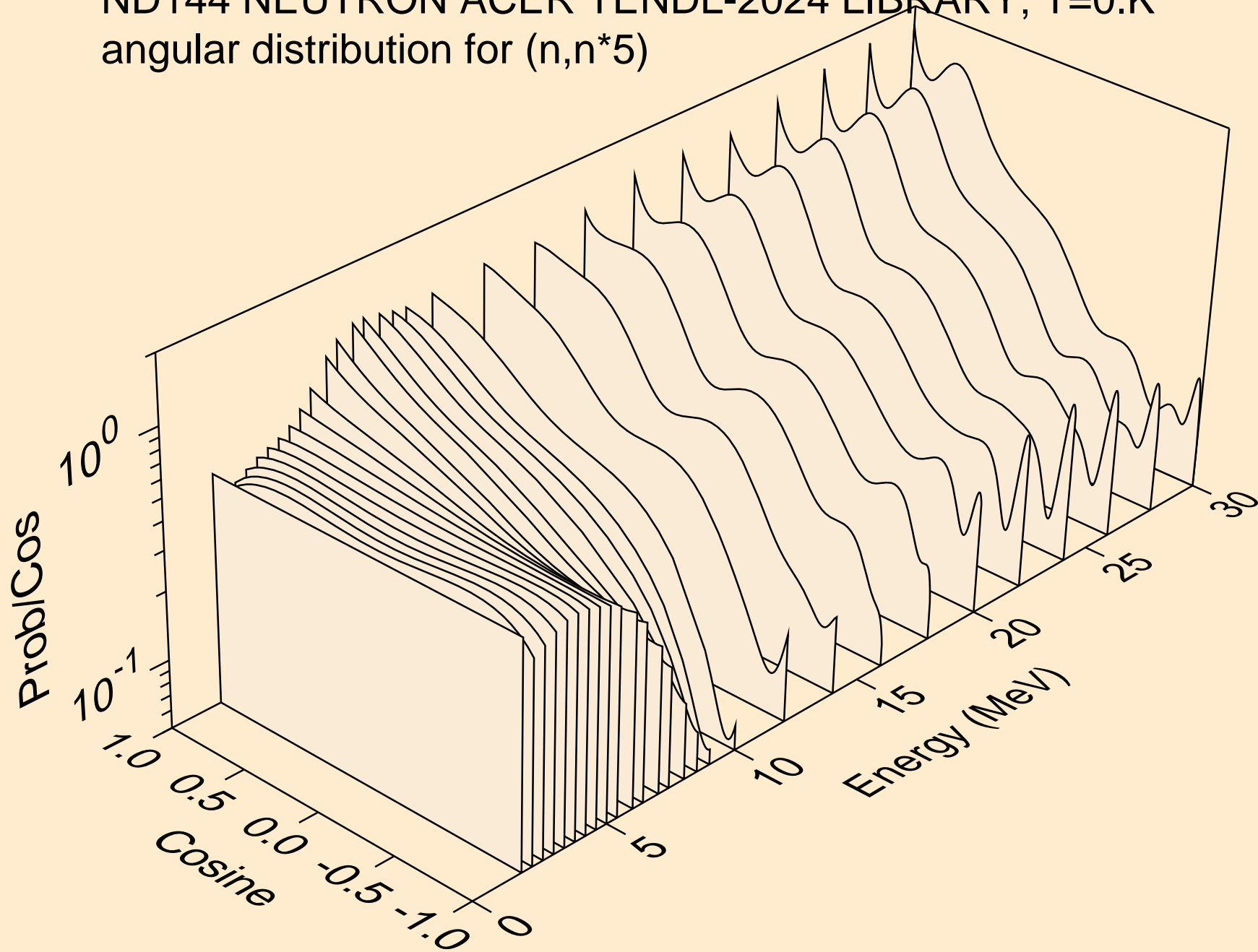
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



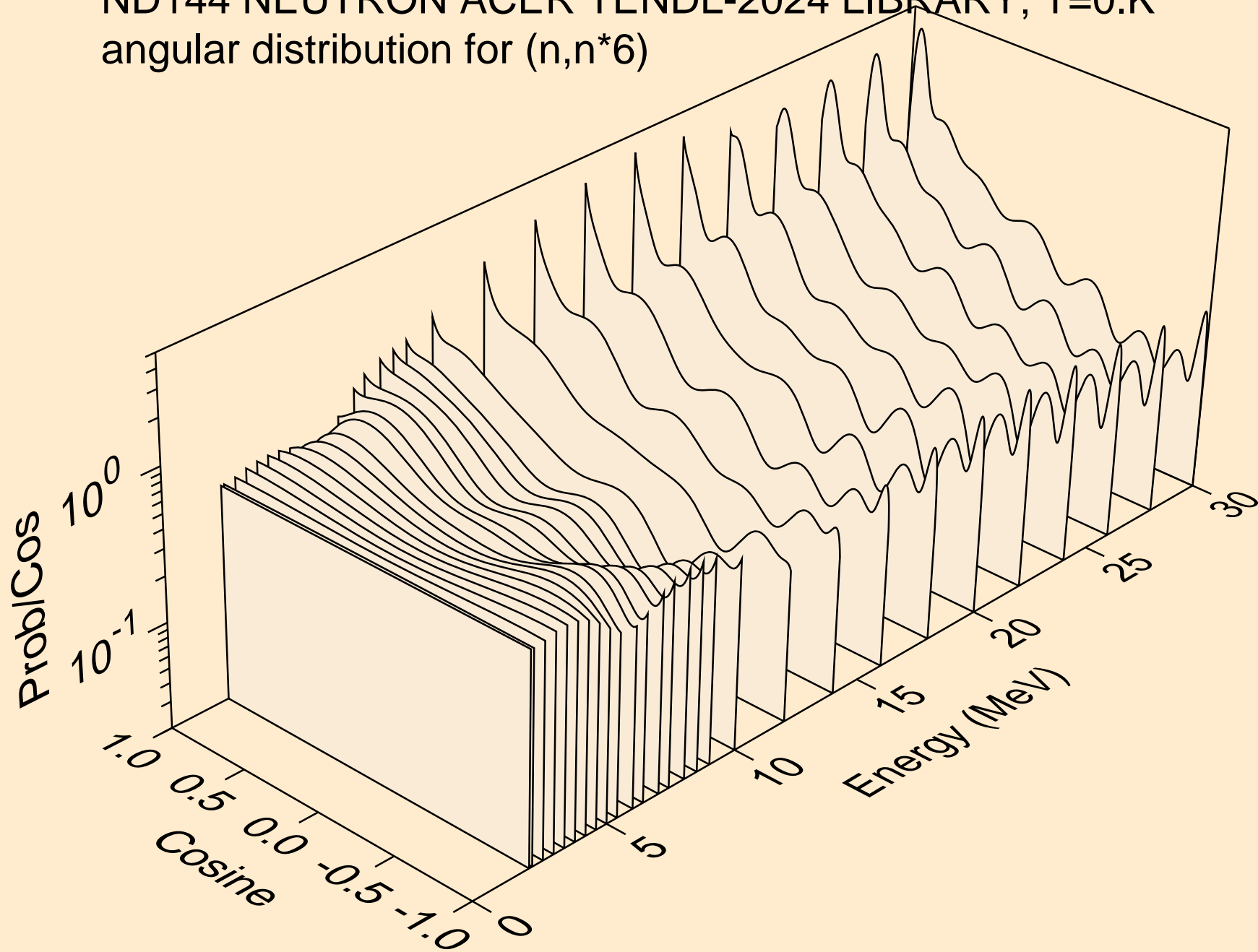
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



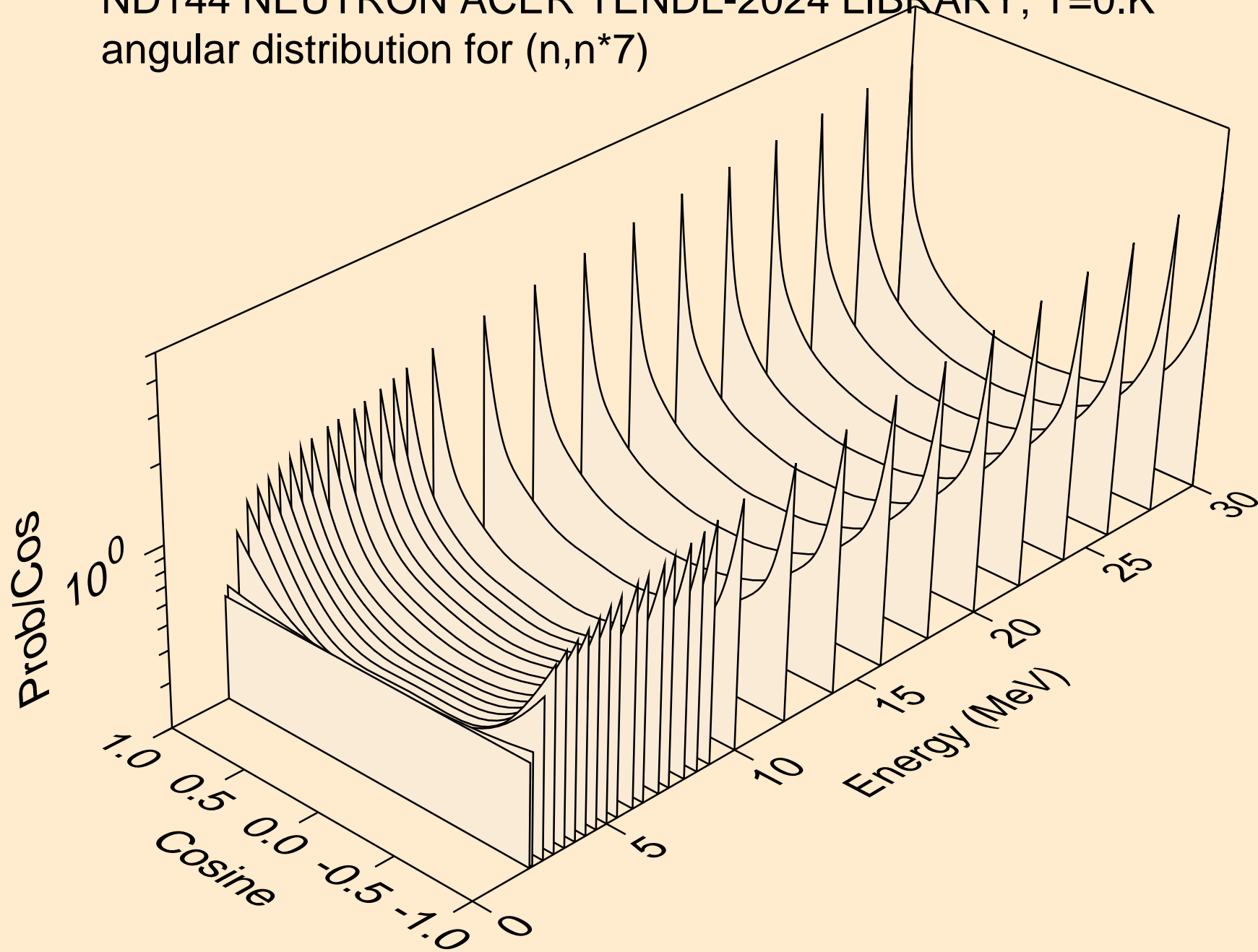
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



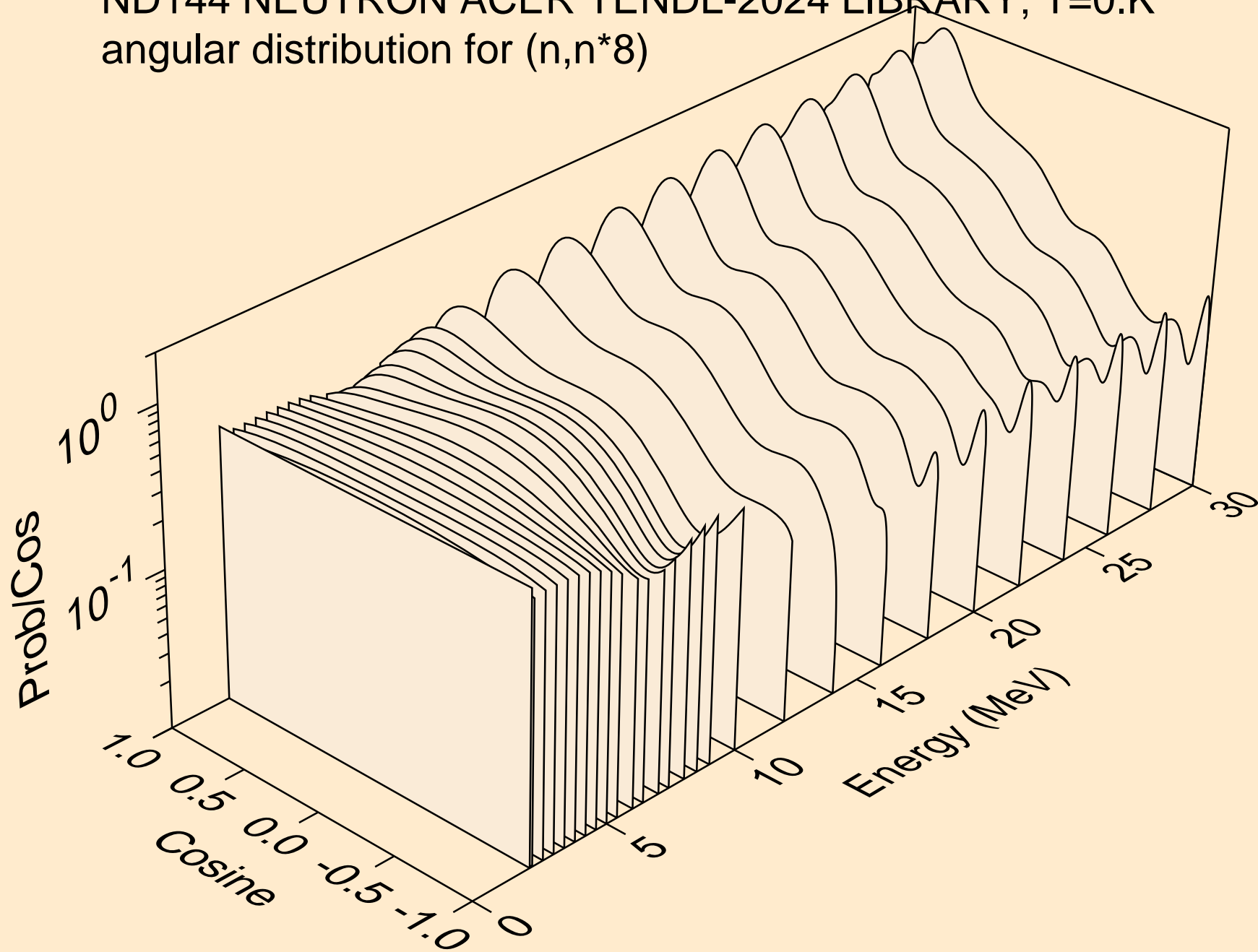
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



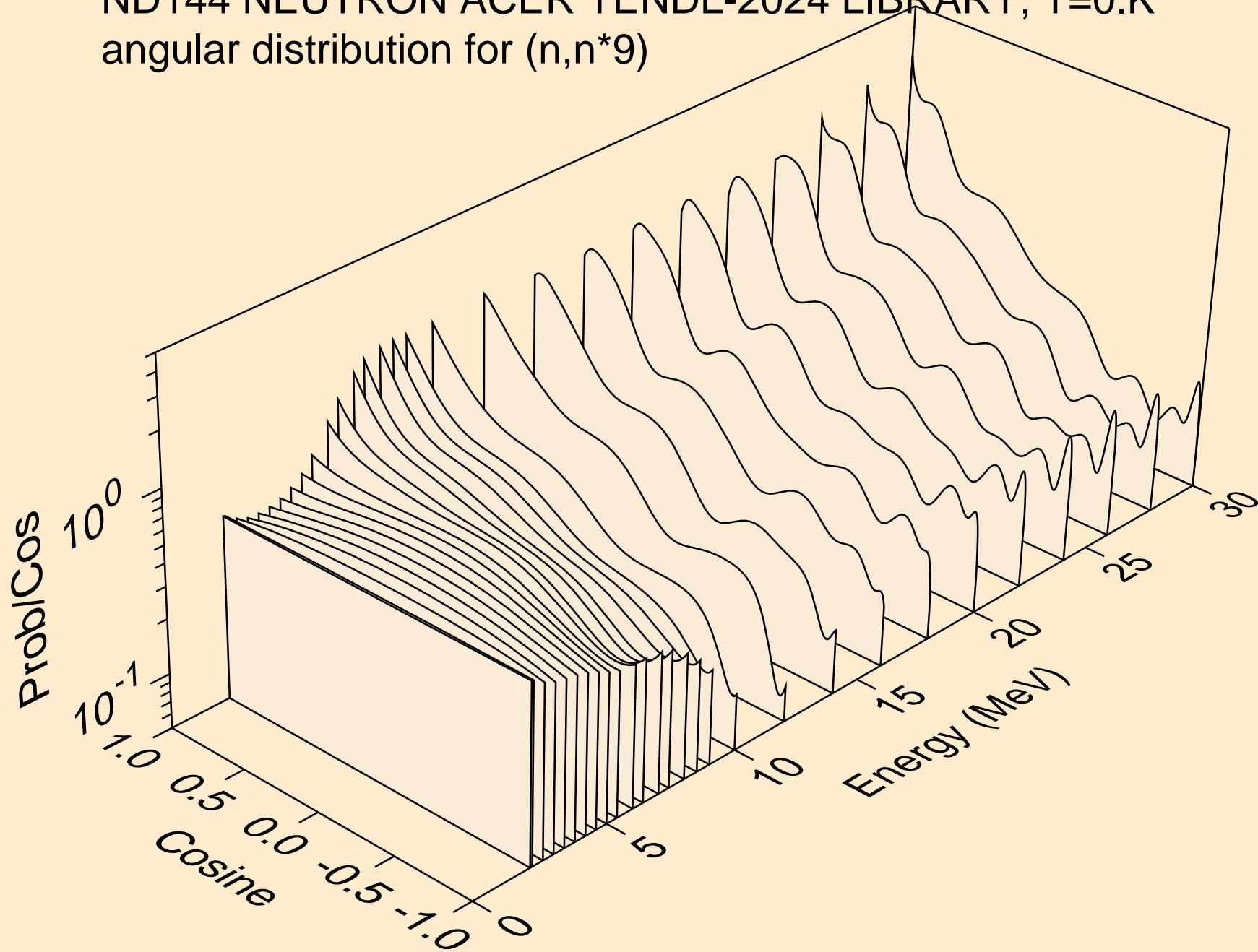
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



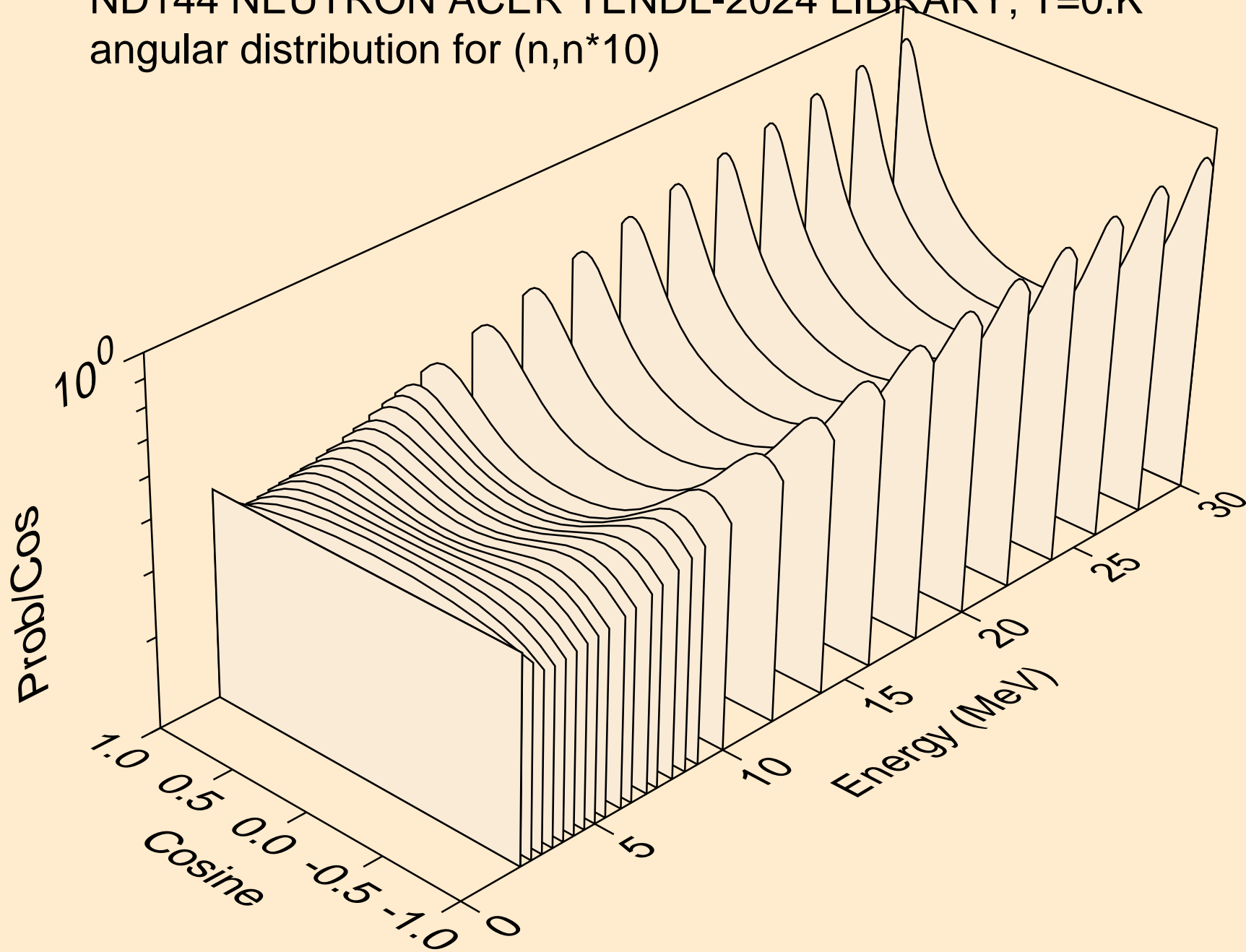
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

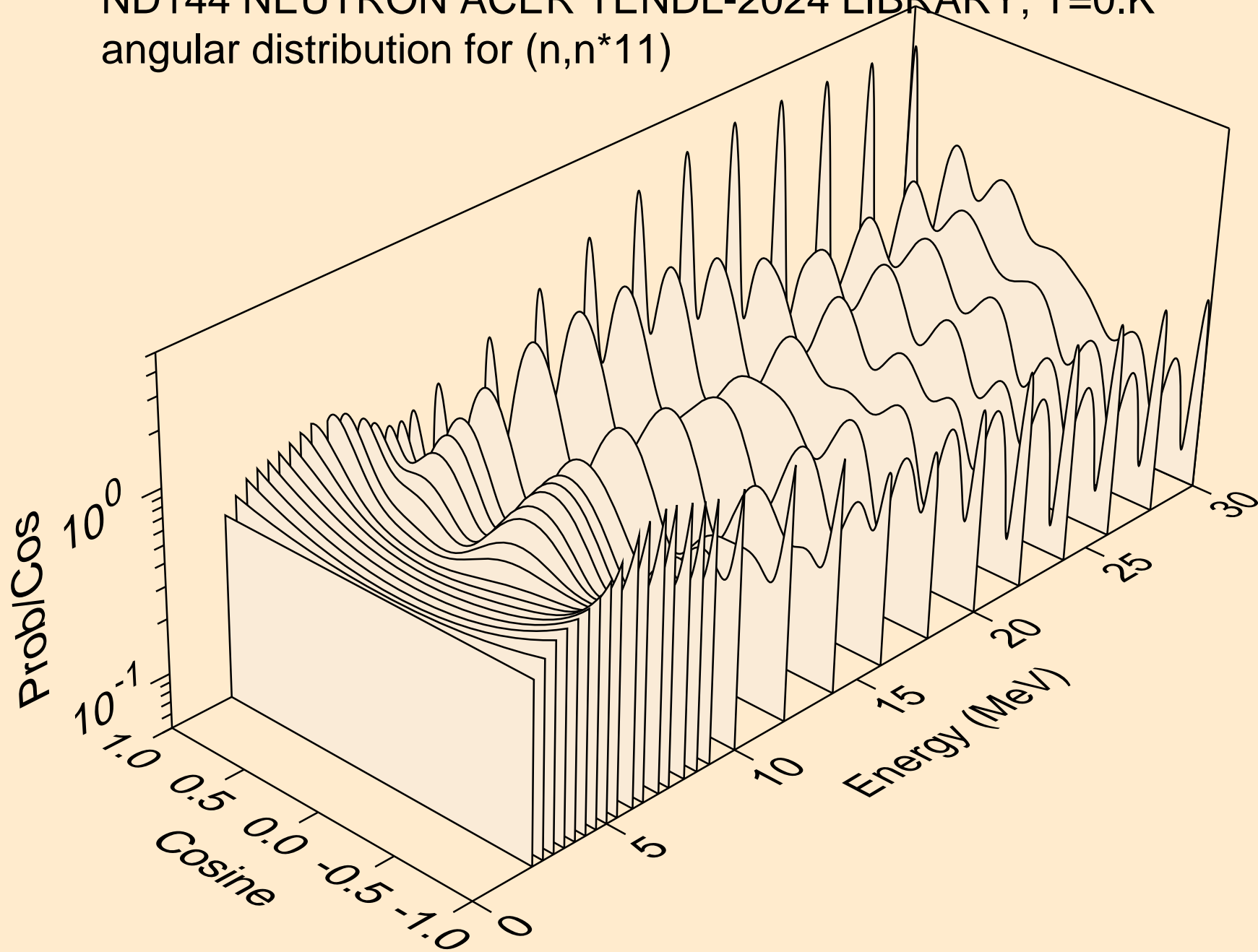


ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

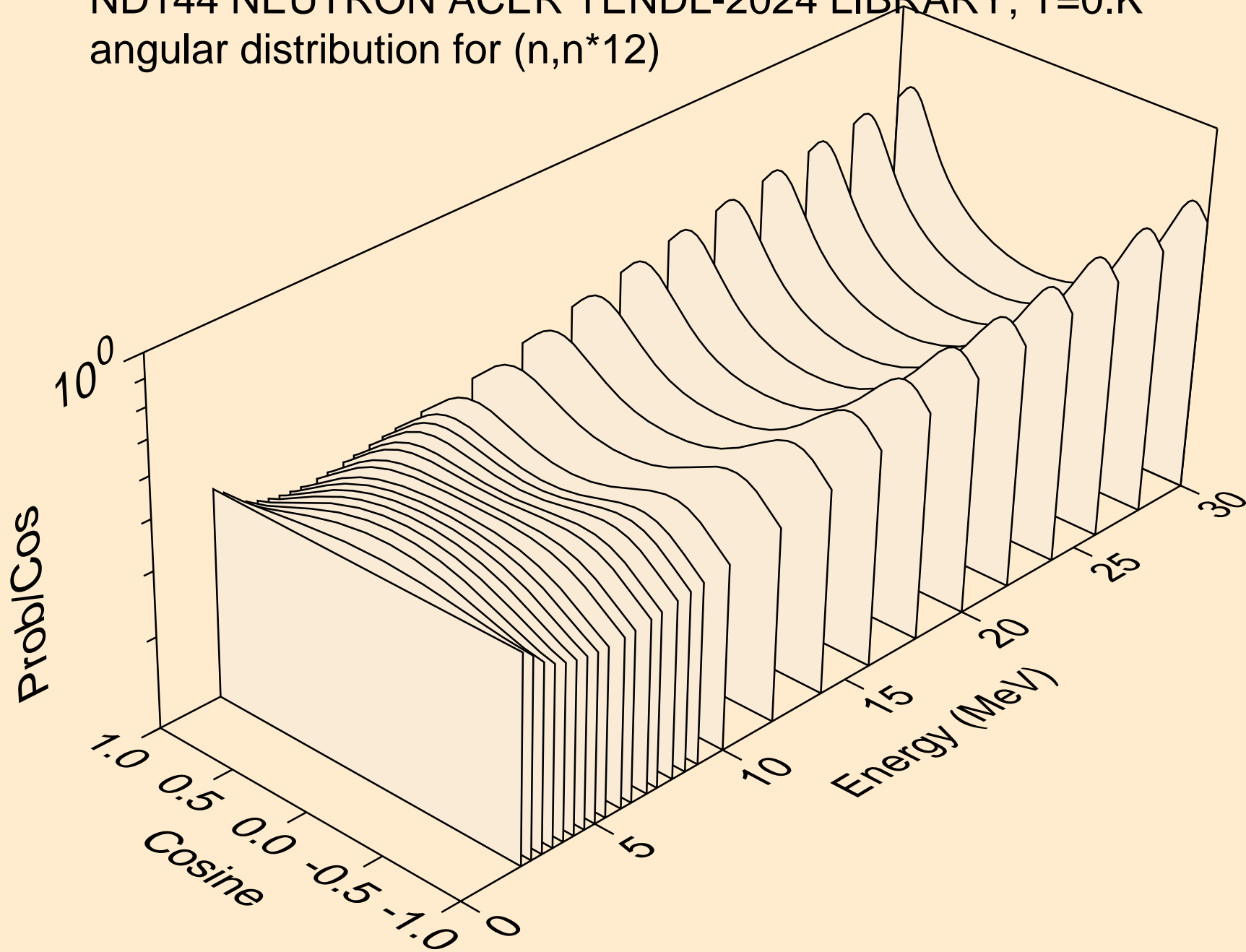




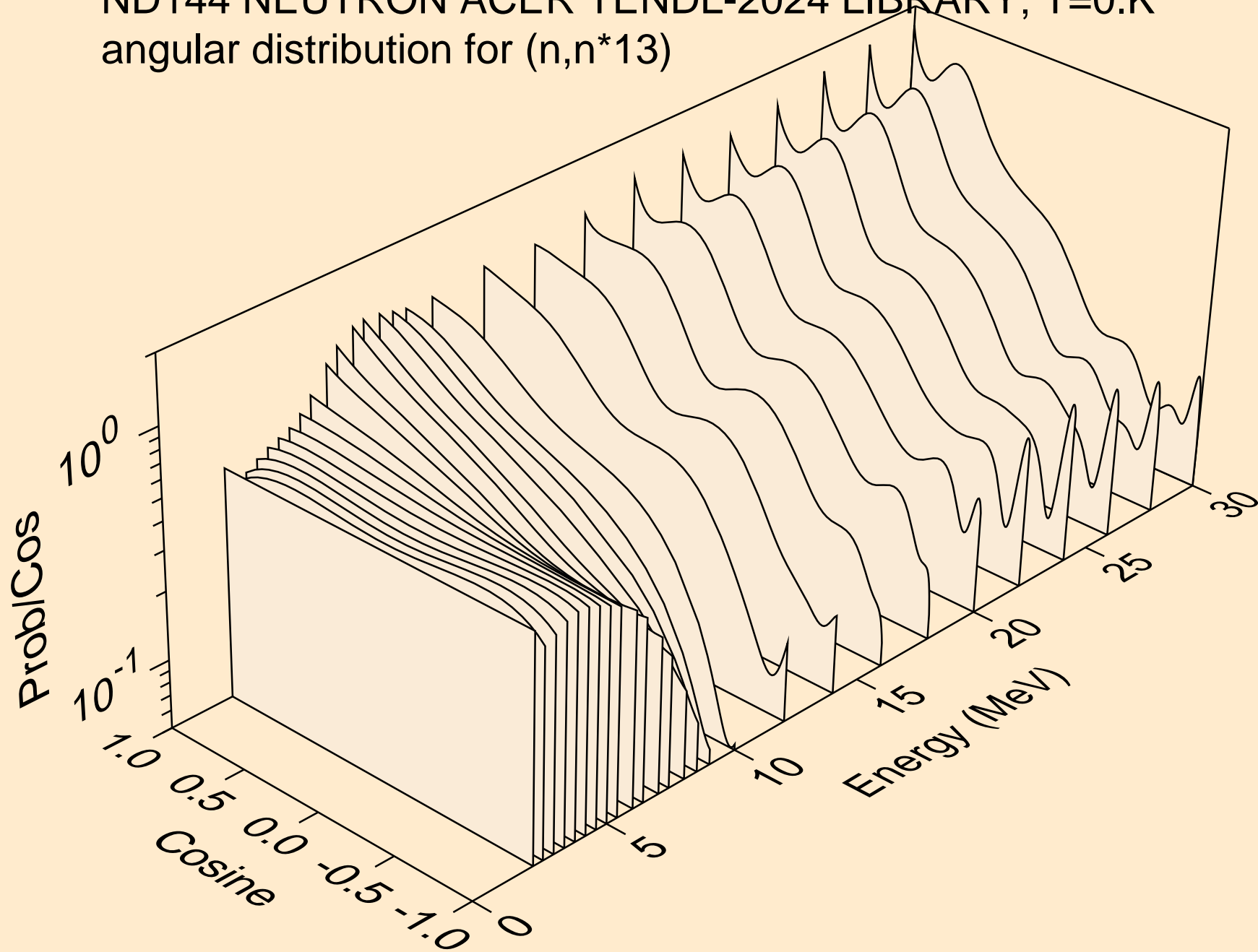
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



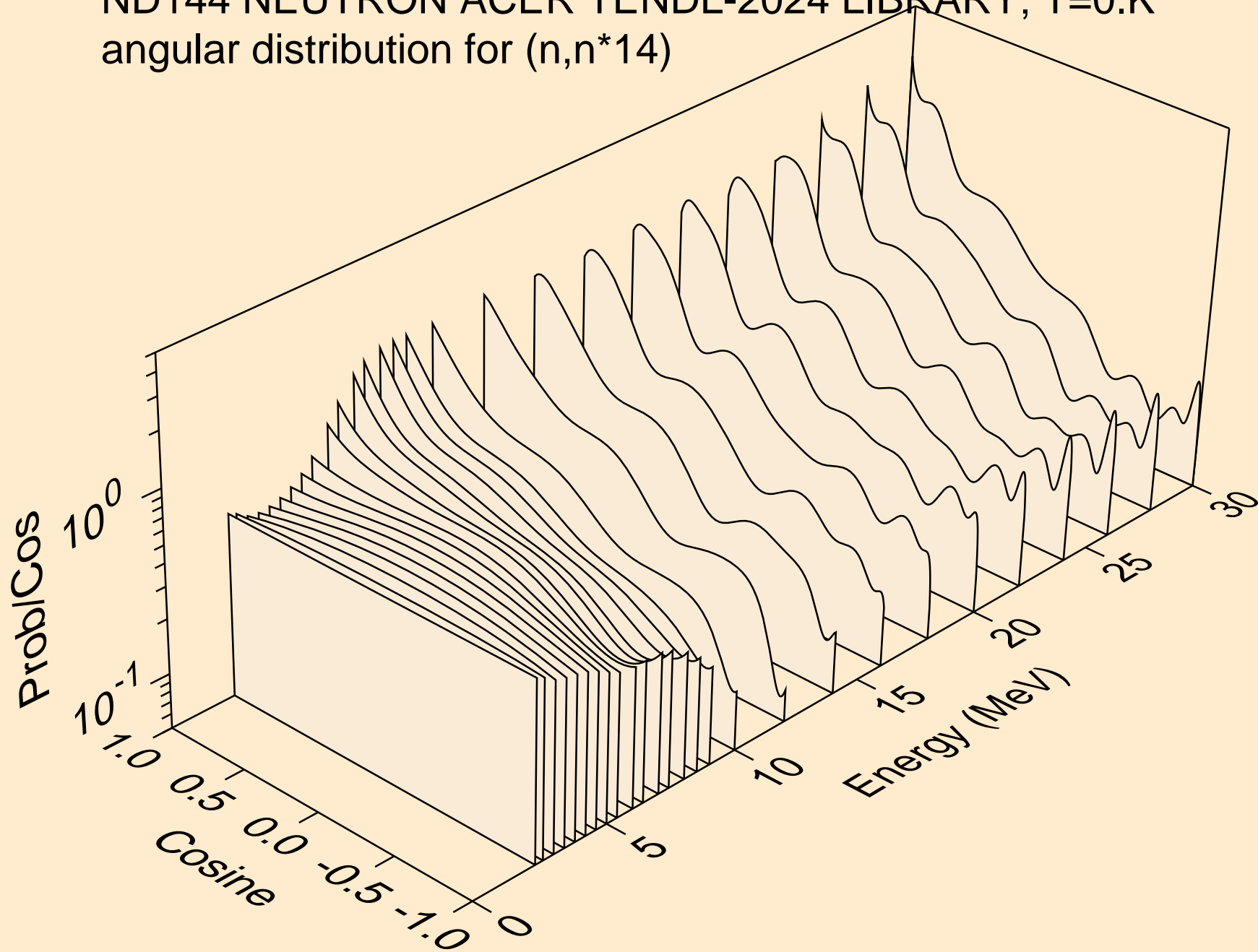
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



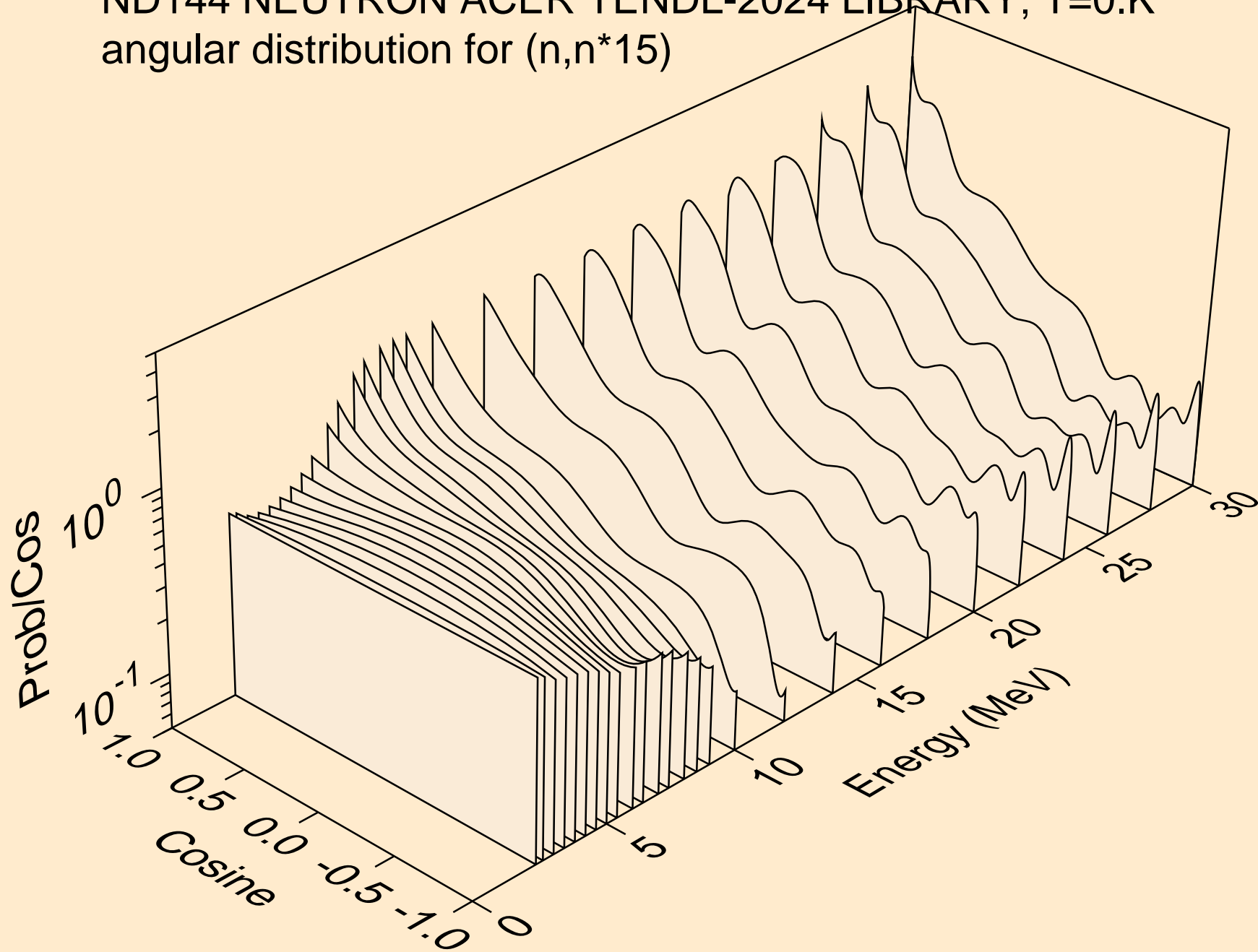
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



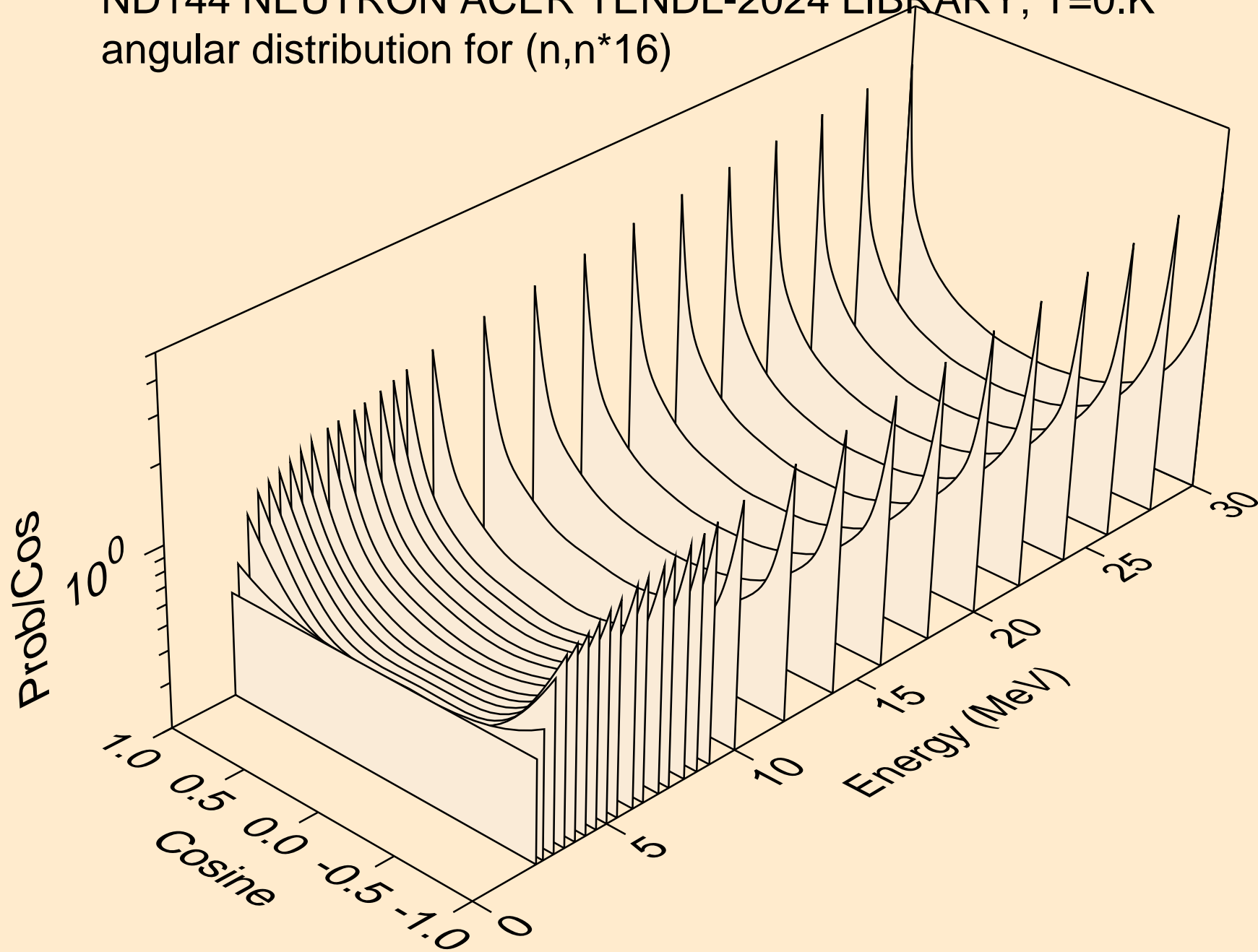
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



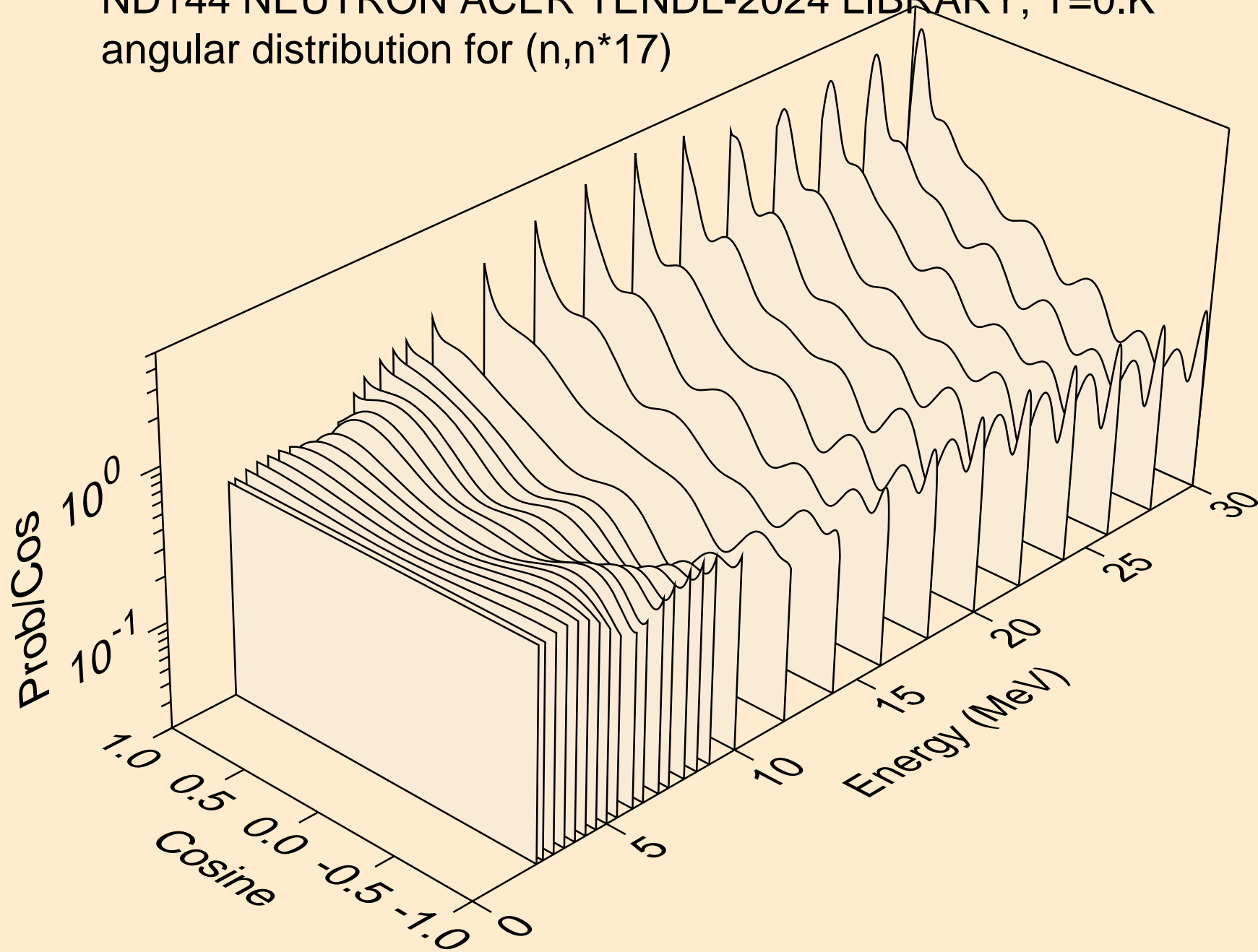
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



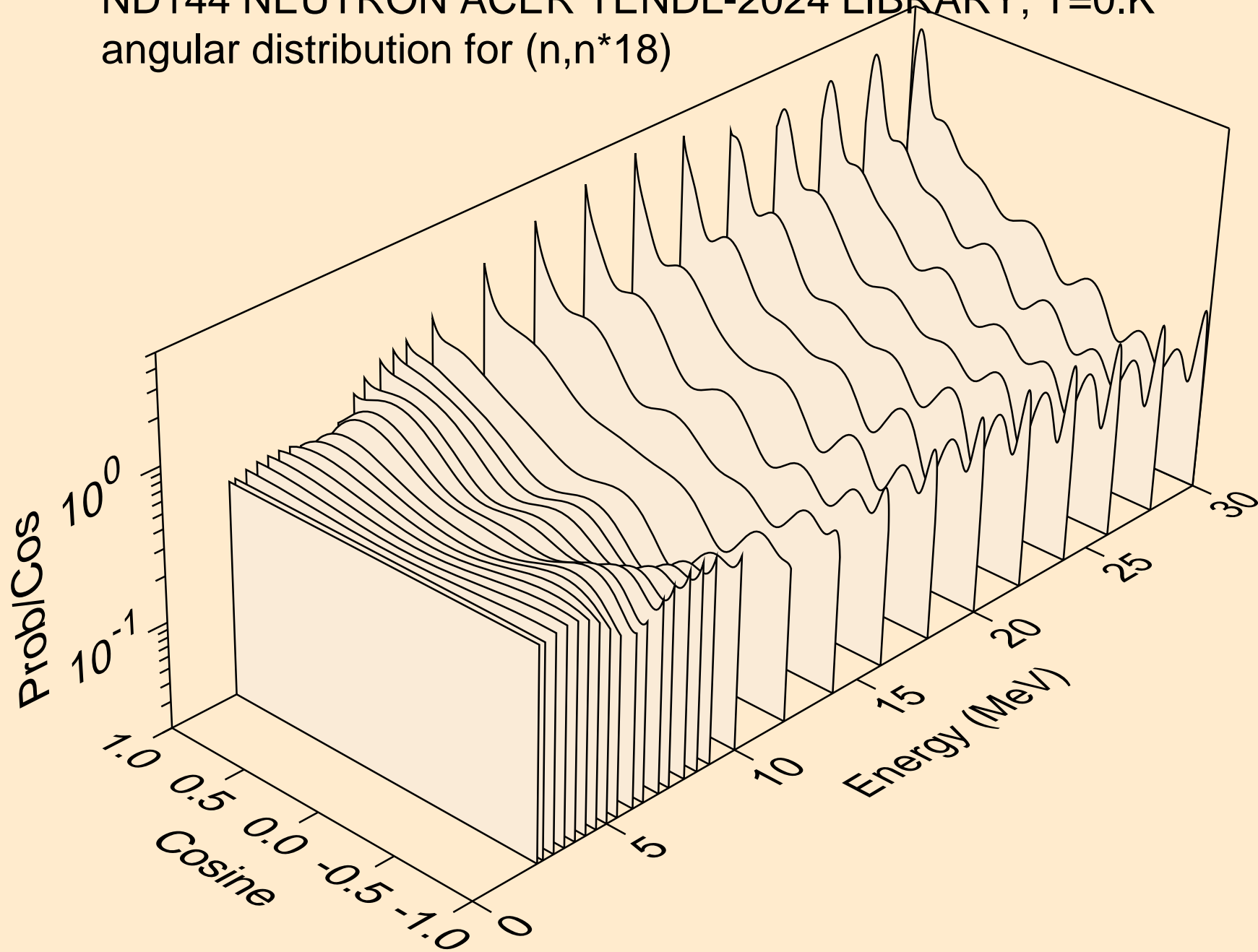
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*17)

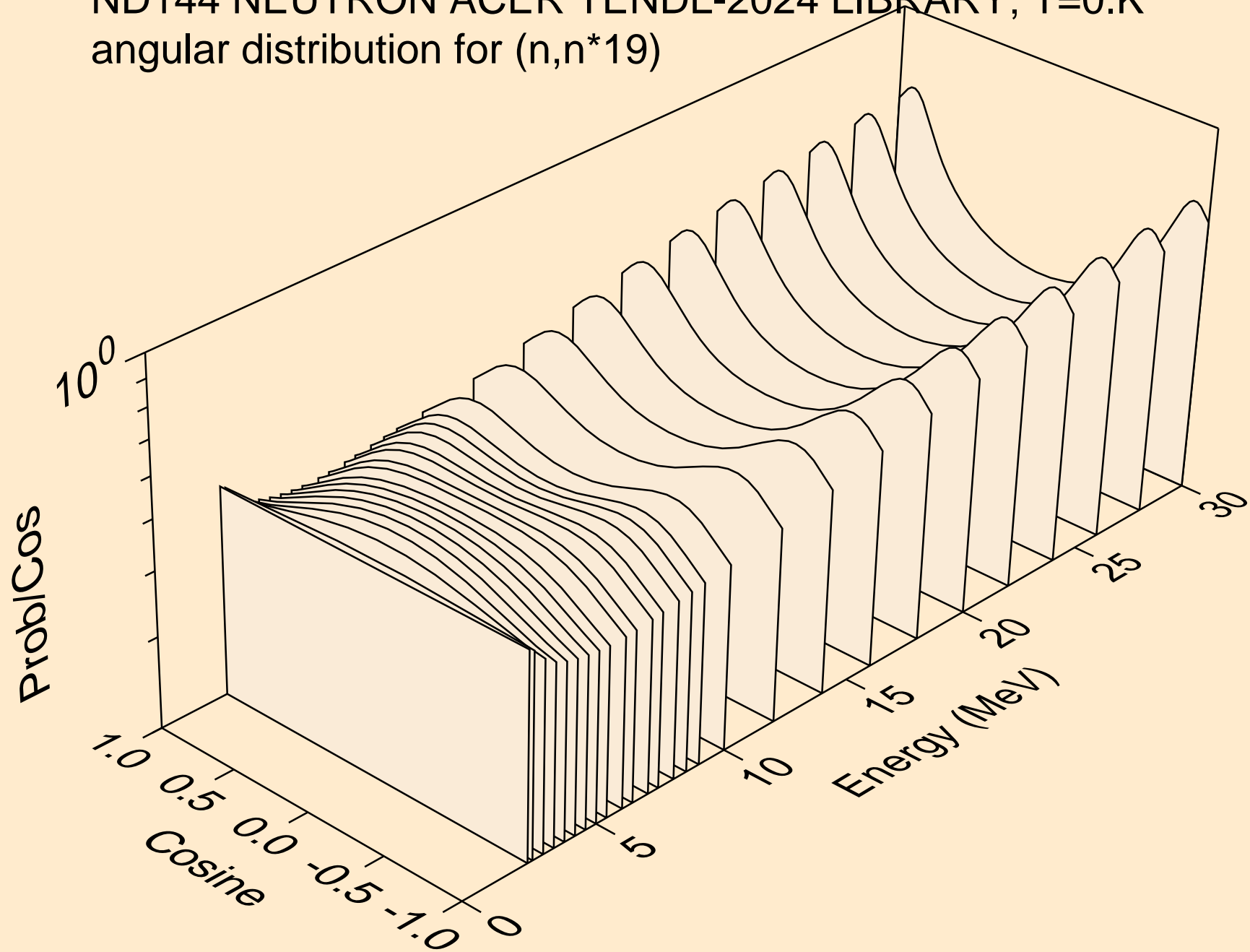


ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*18)

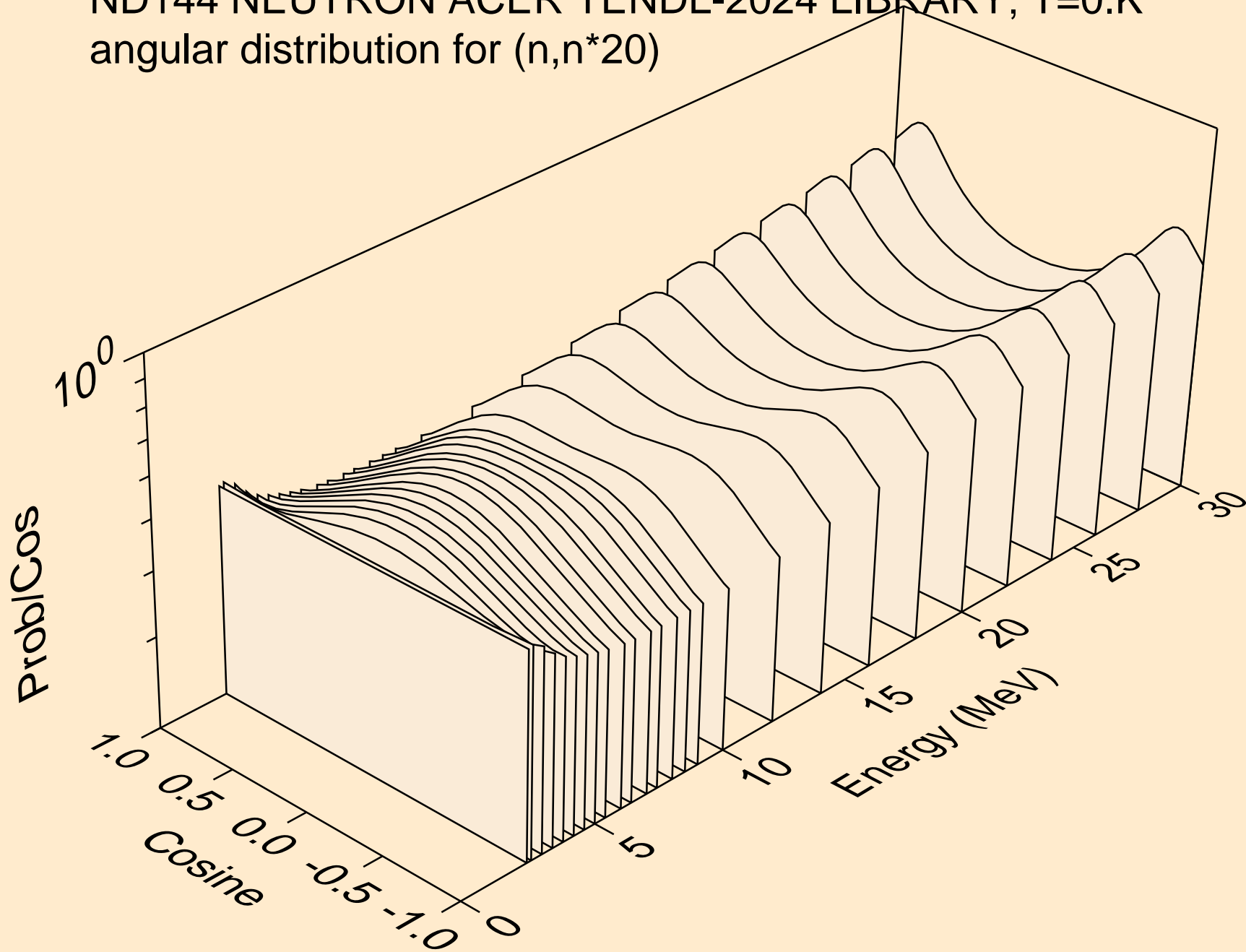




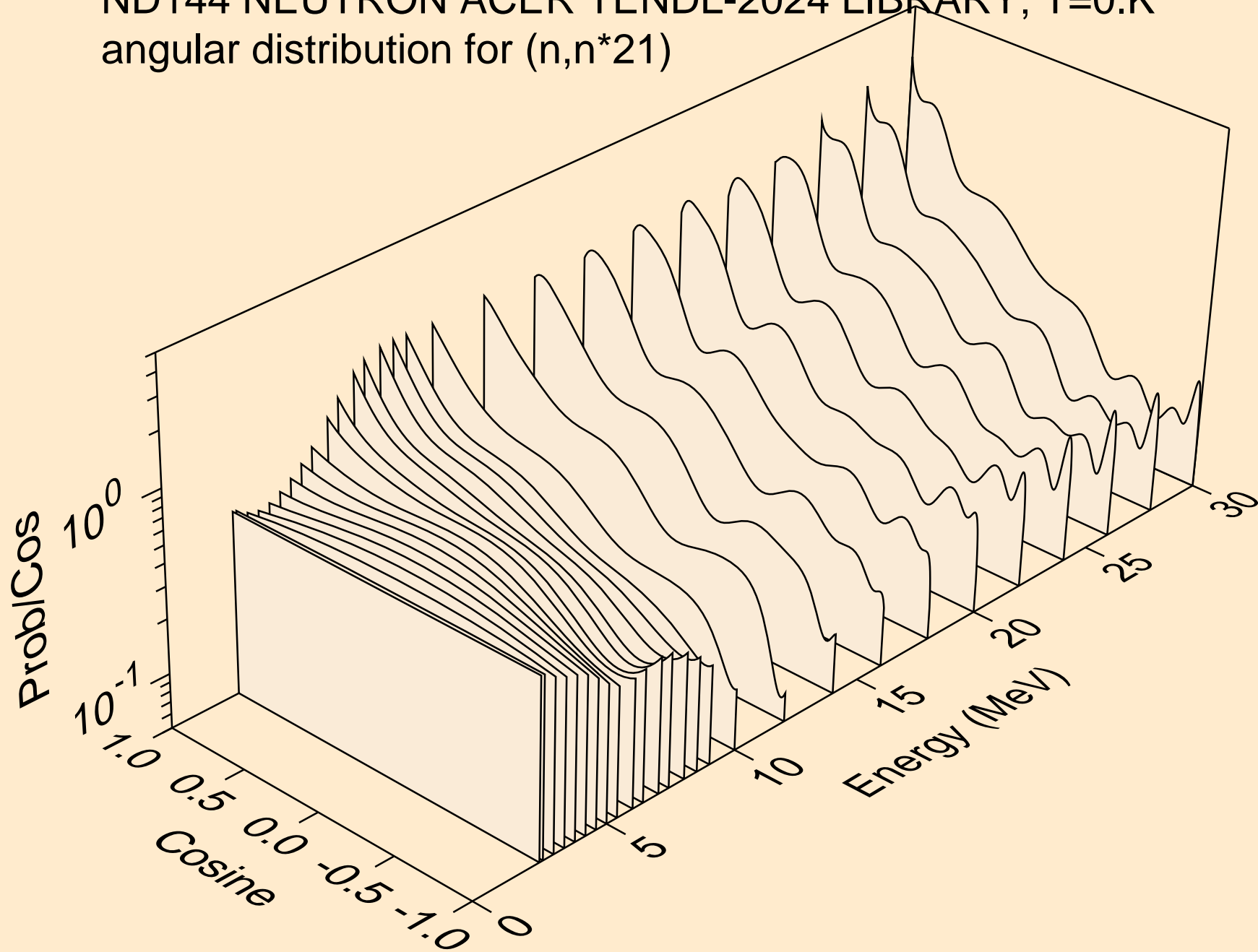
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



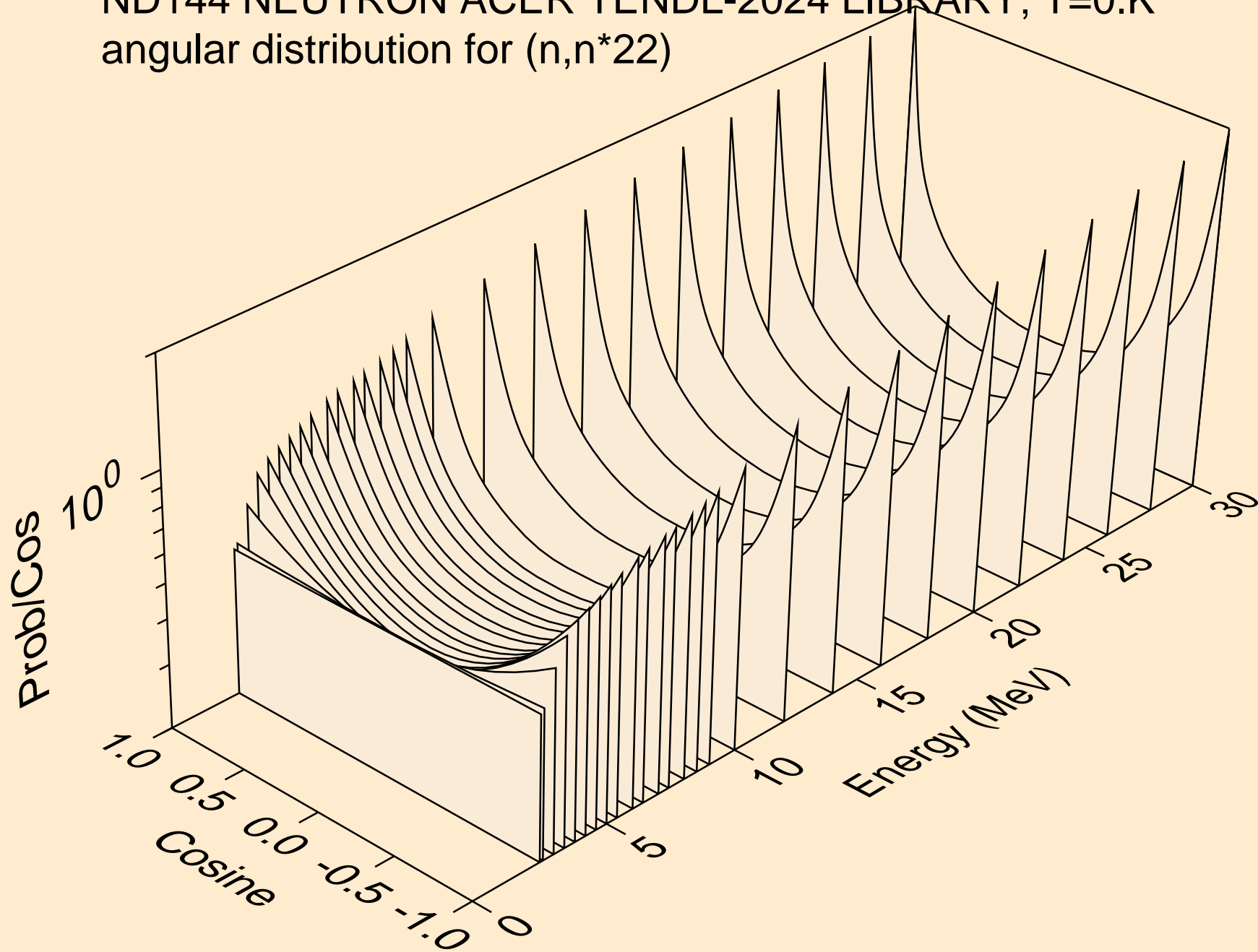
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*20)



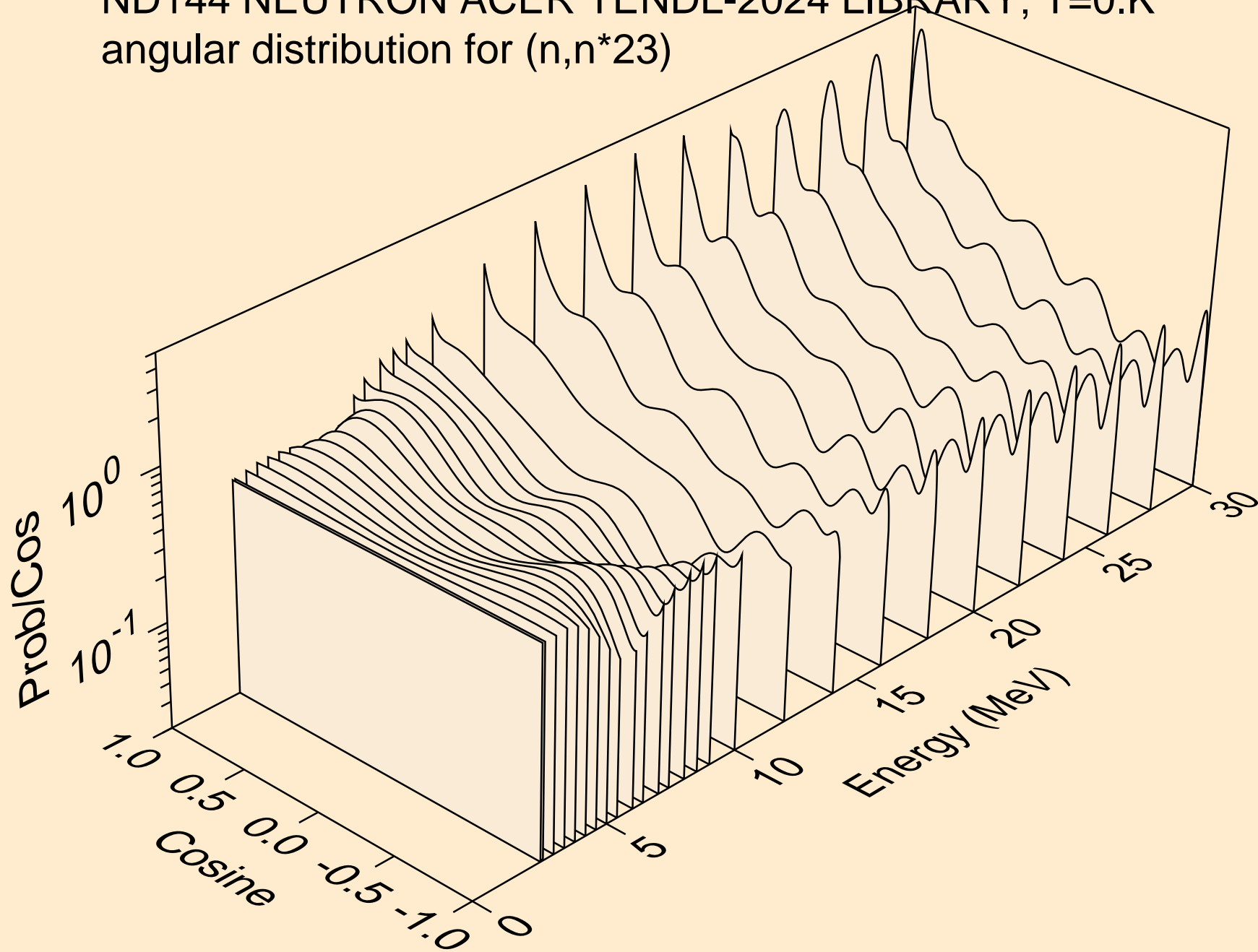
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*21)



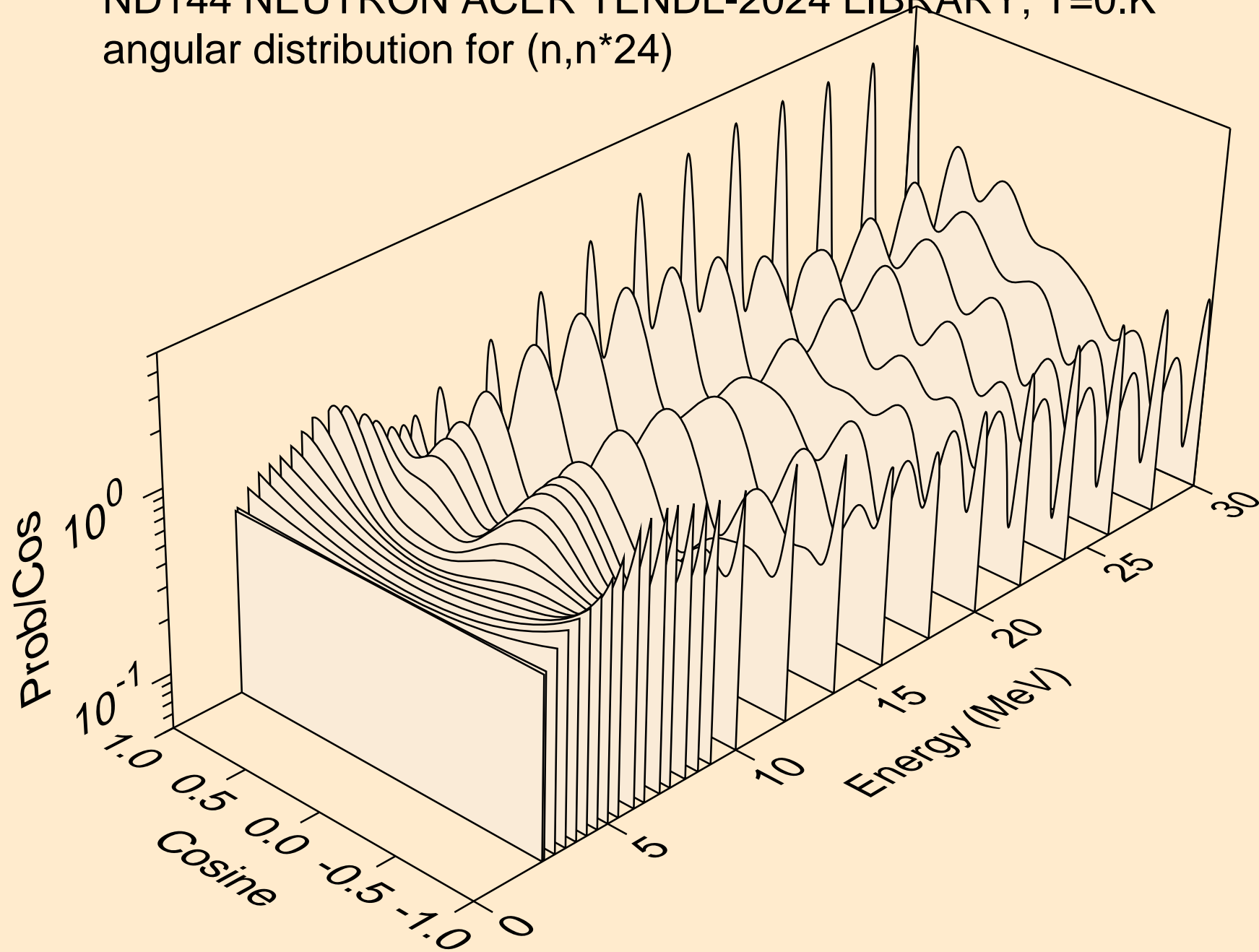
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*22)



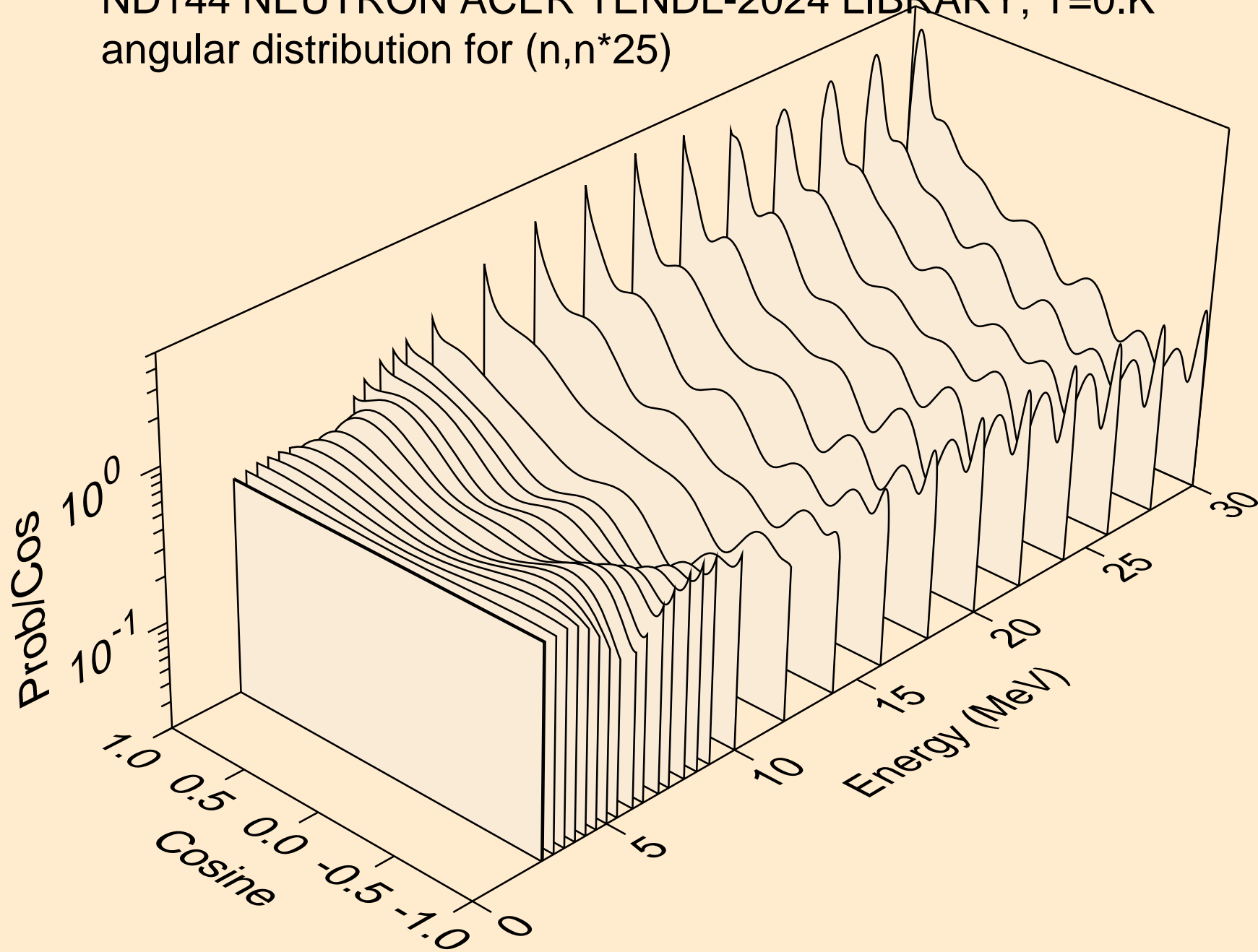
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*23)



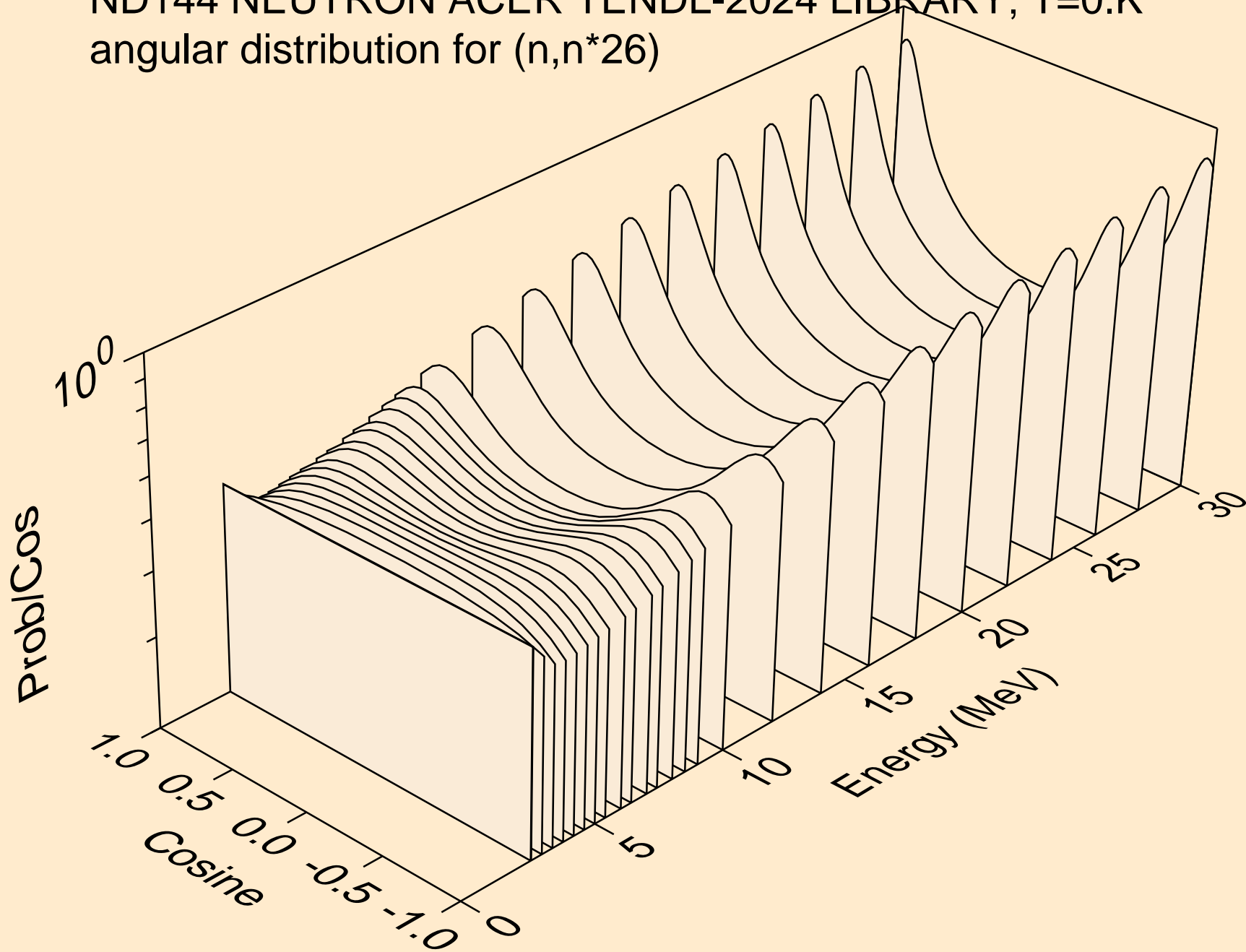
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*24)



ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*25)

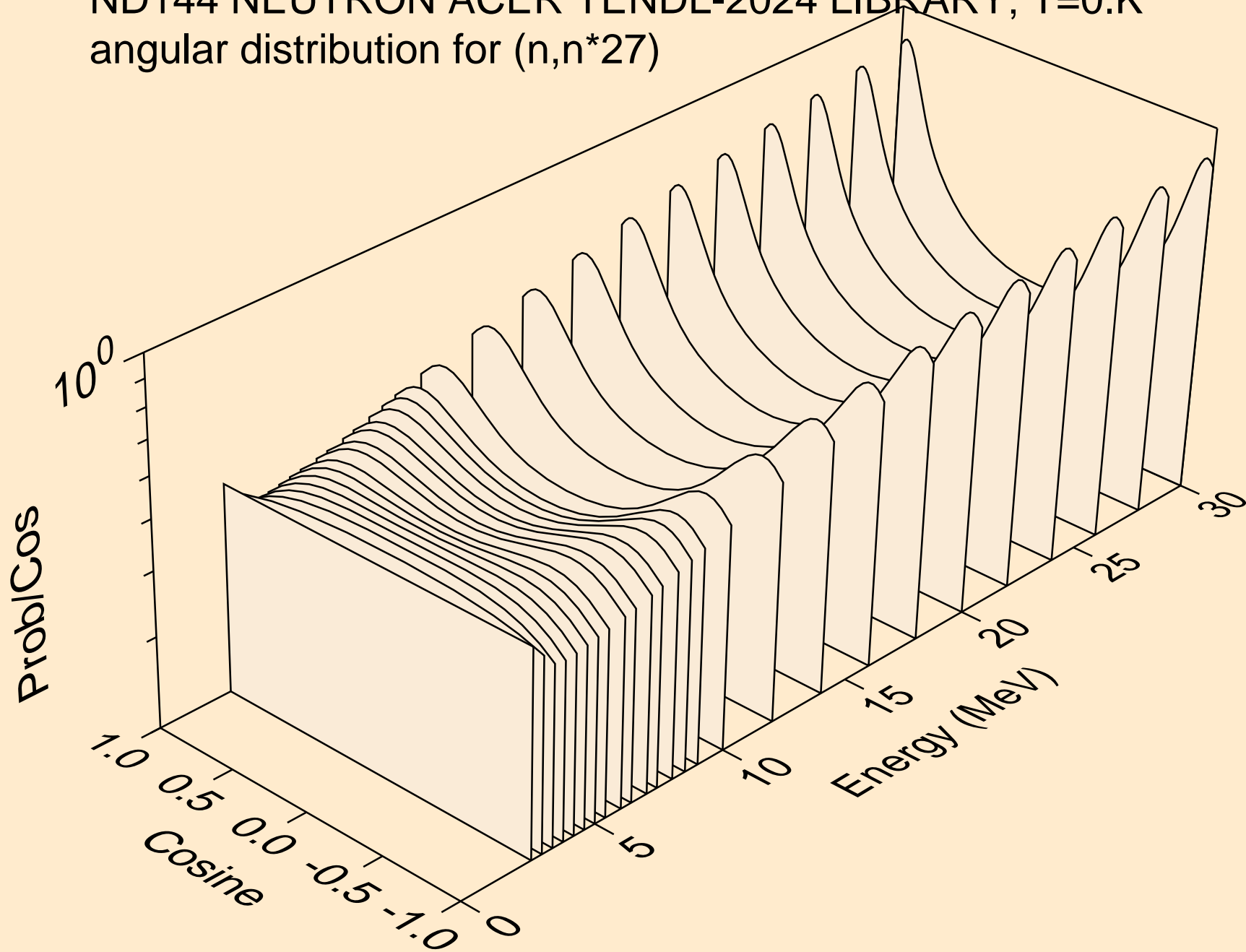


ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)

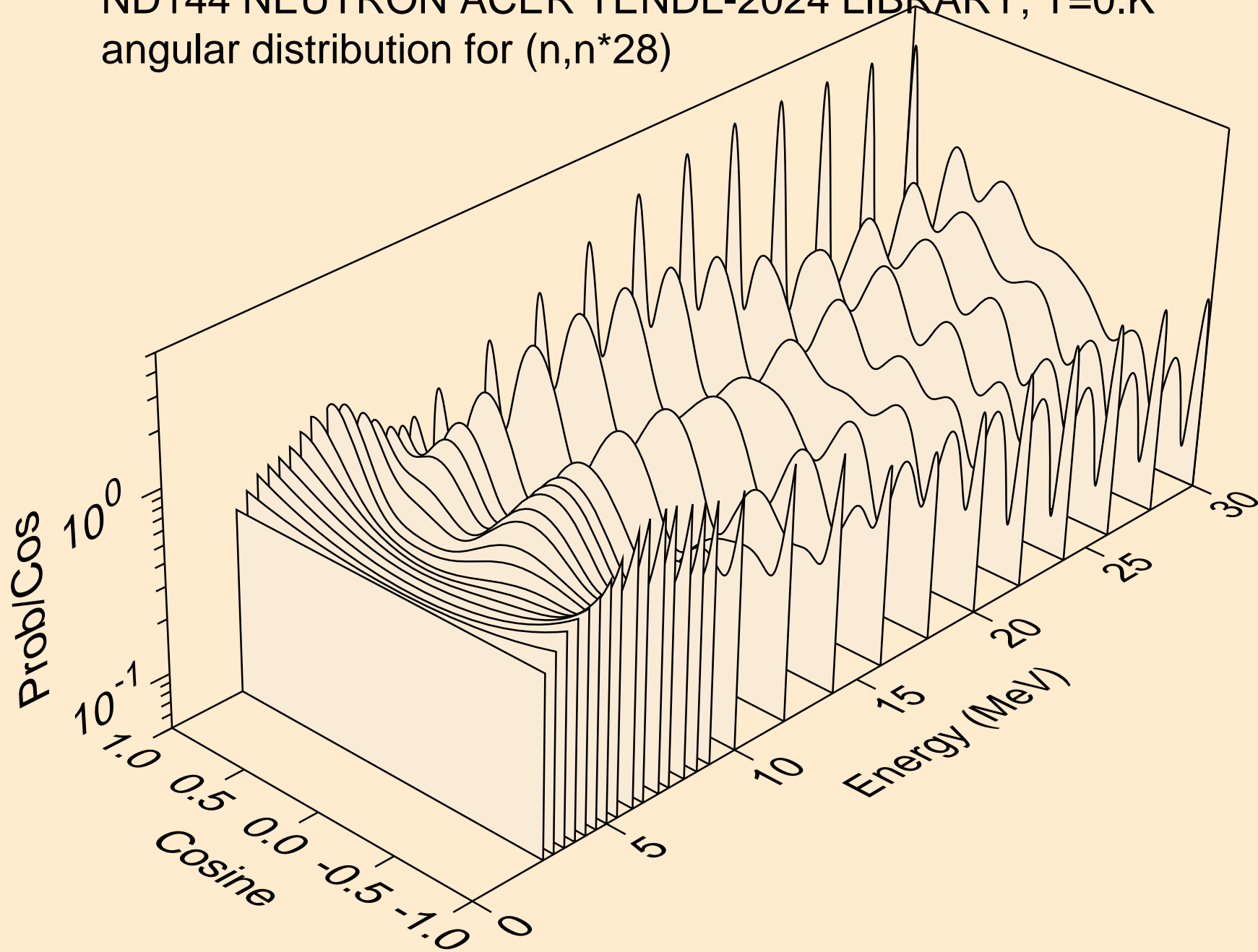




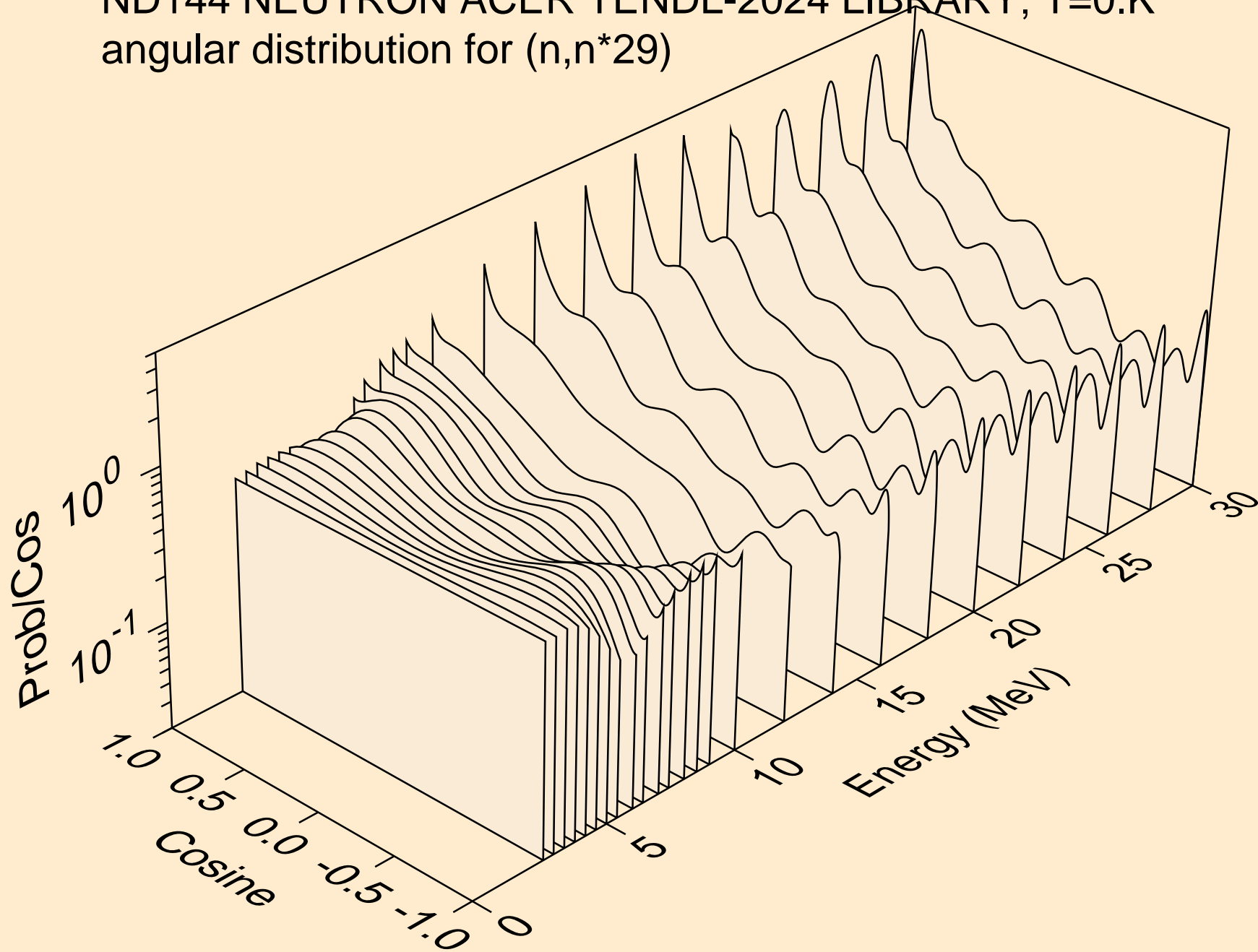
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



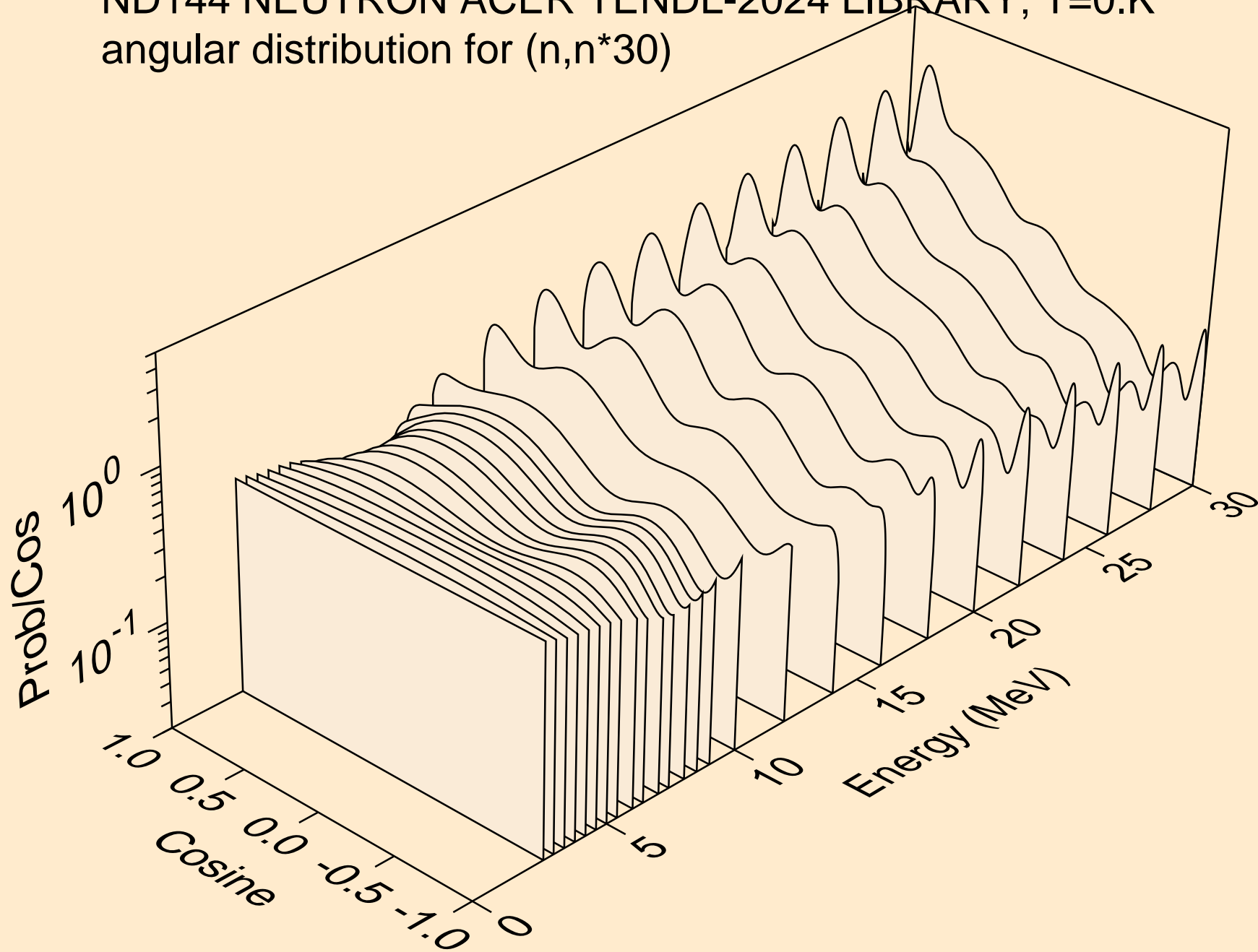
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*28)



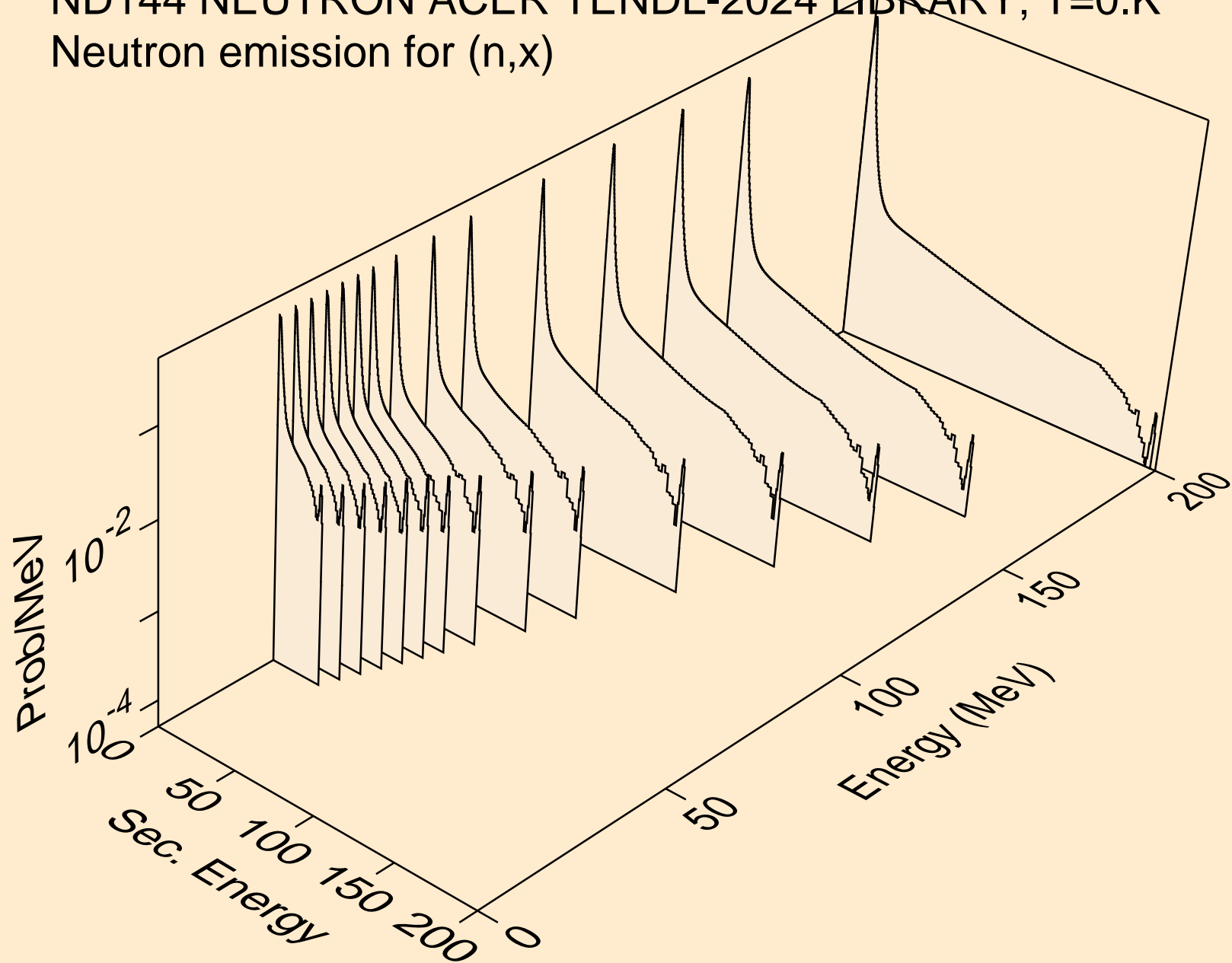
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*29)



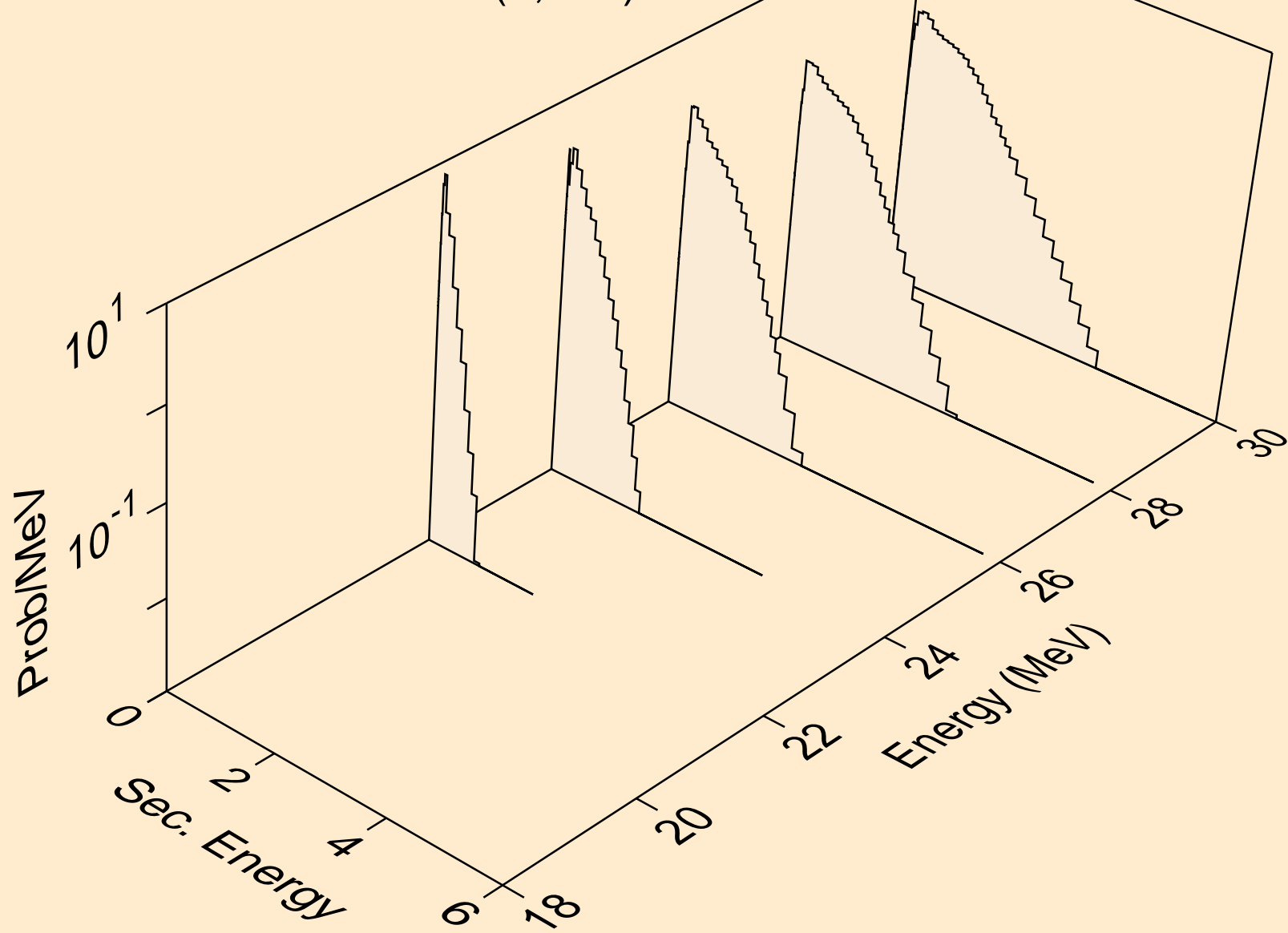
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*30)



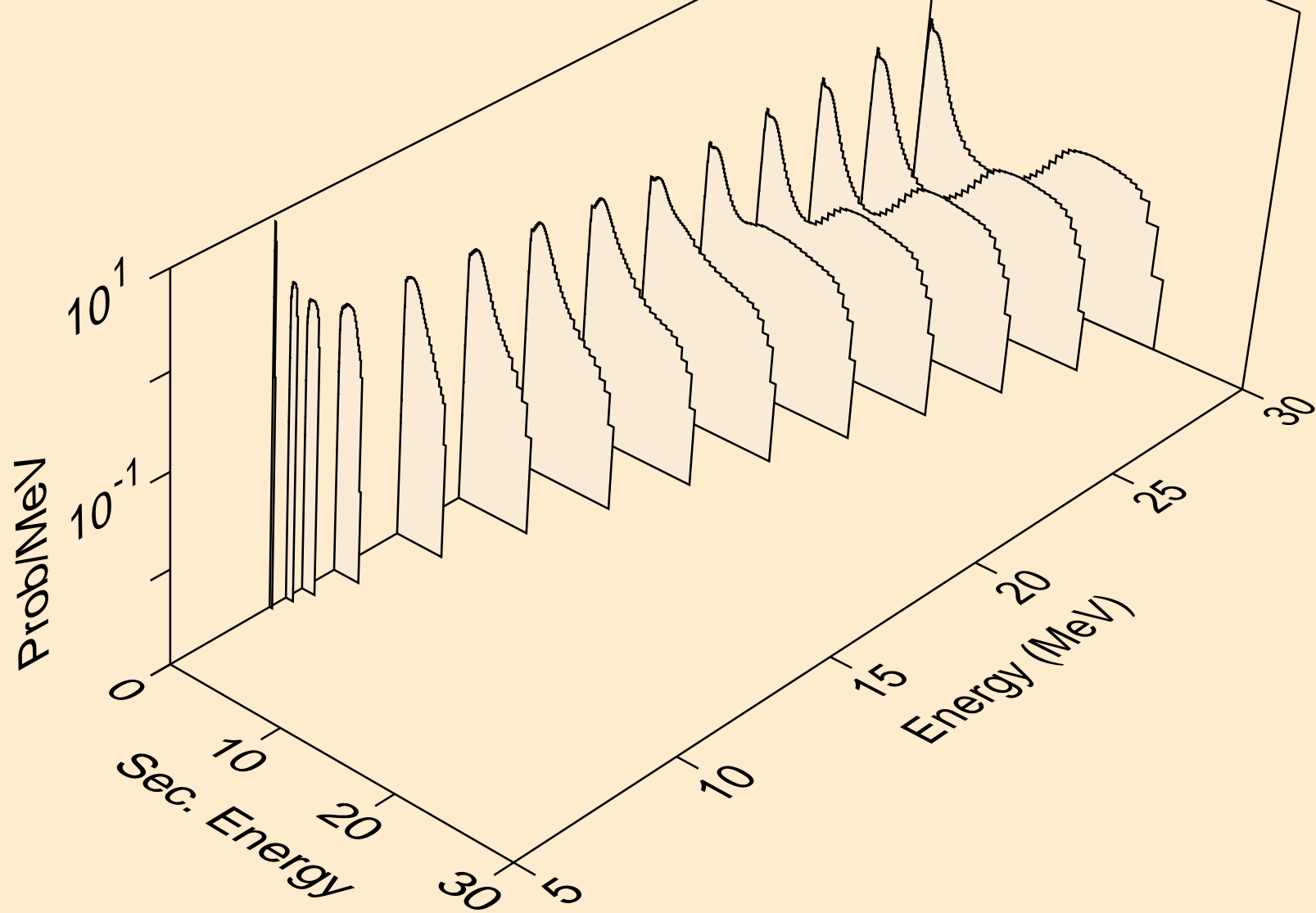
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



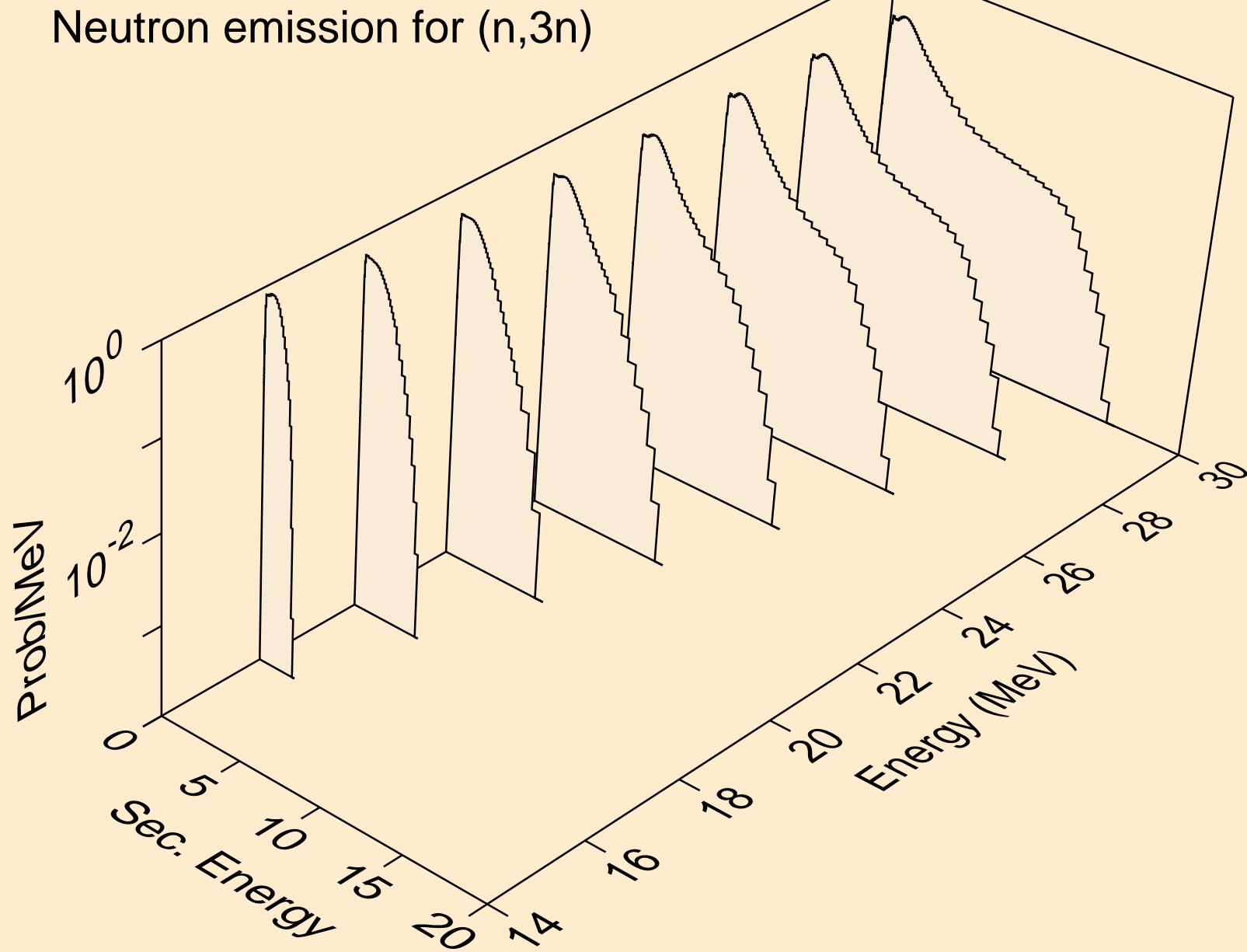
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)

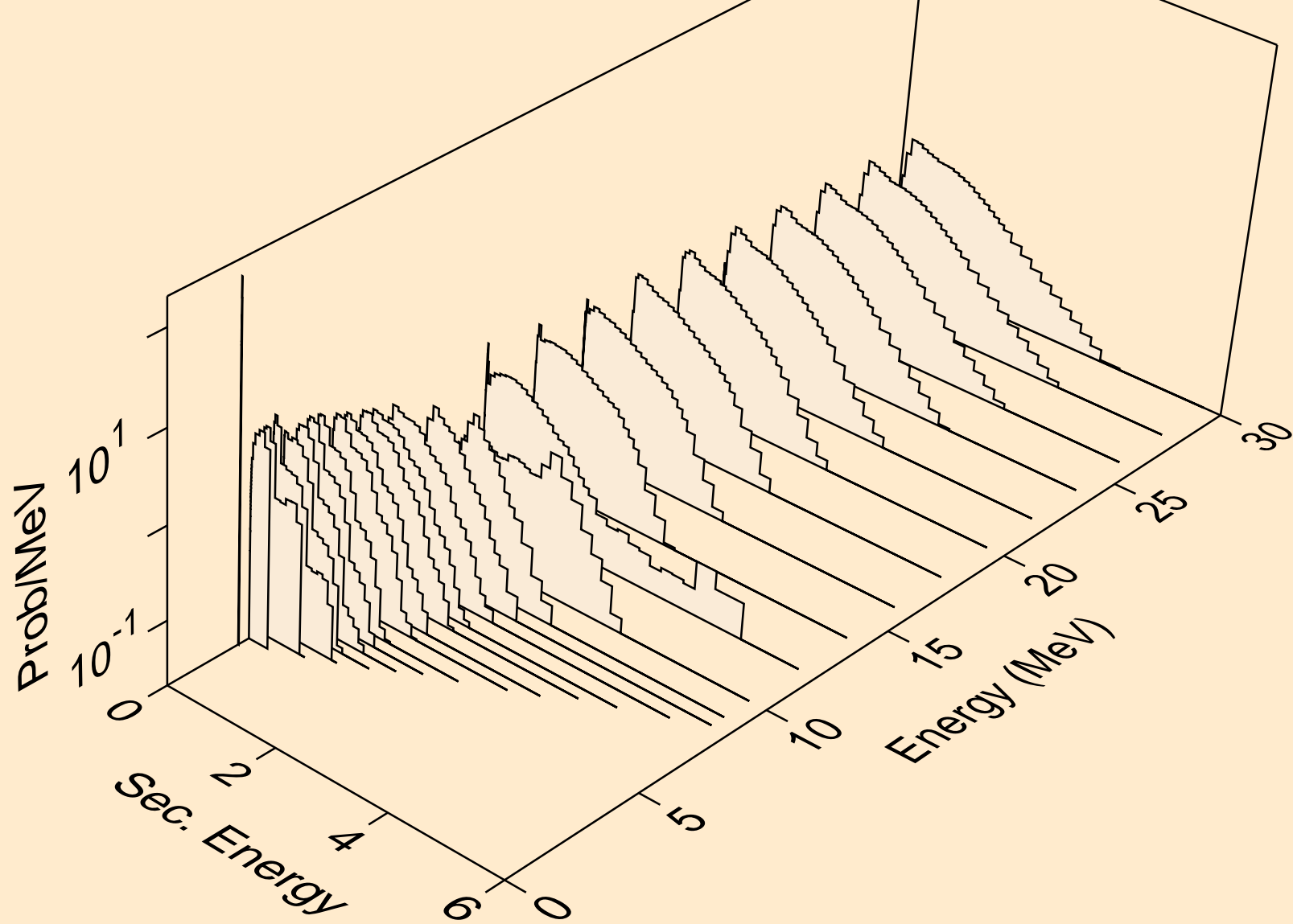


ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)

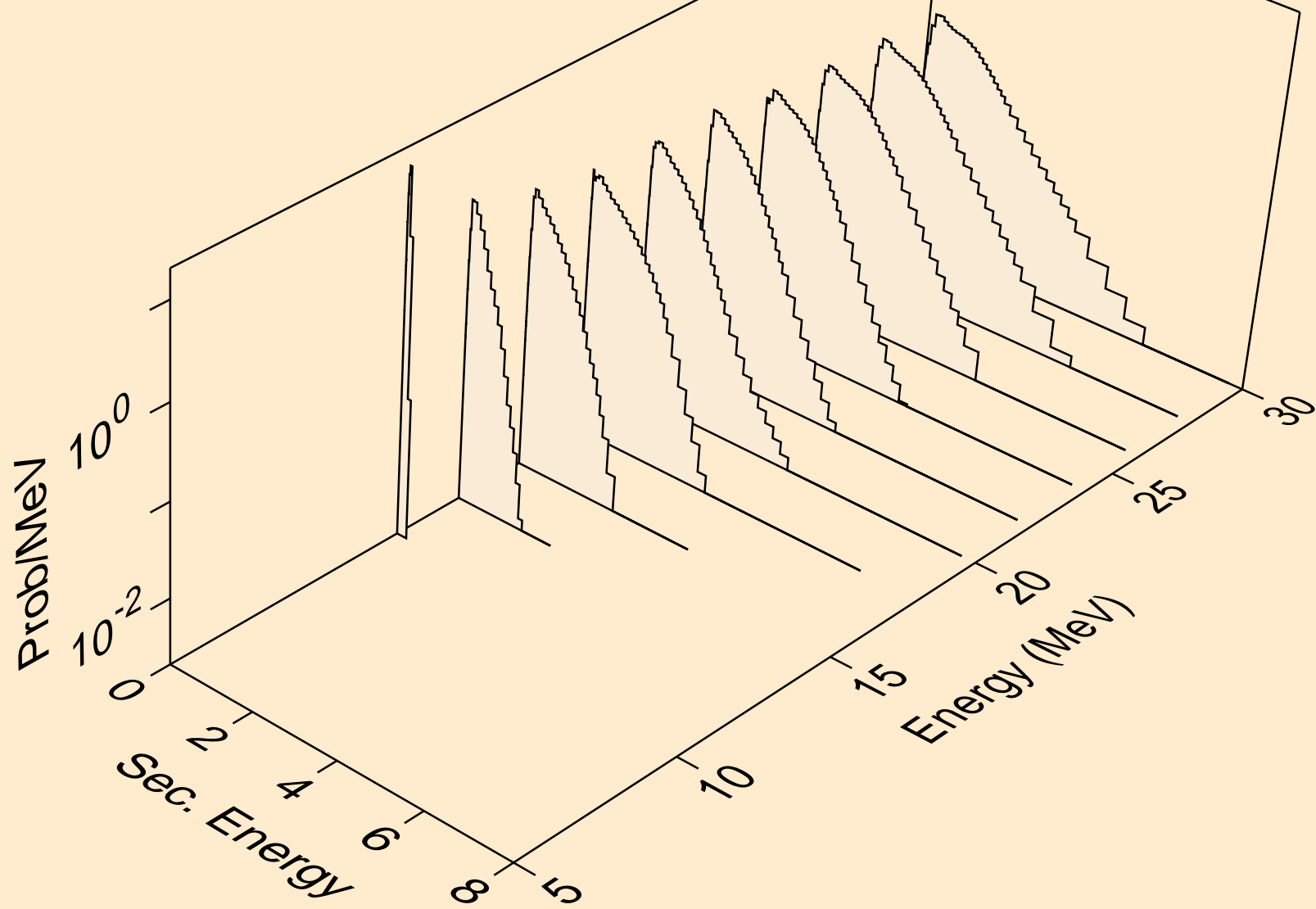




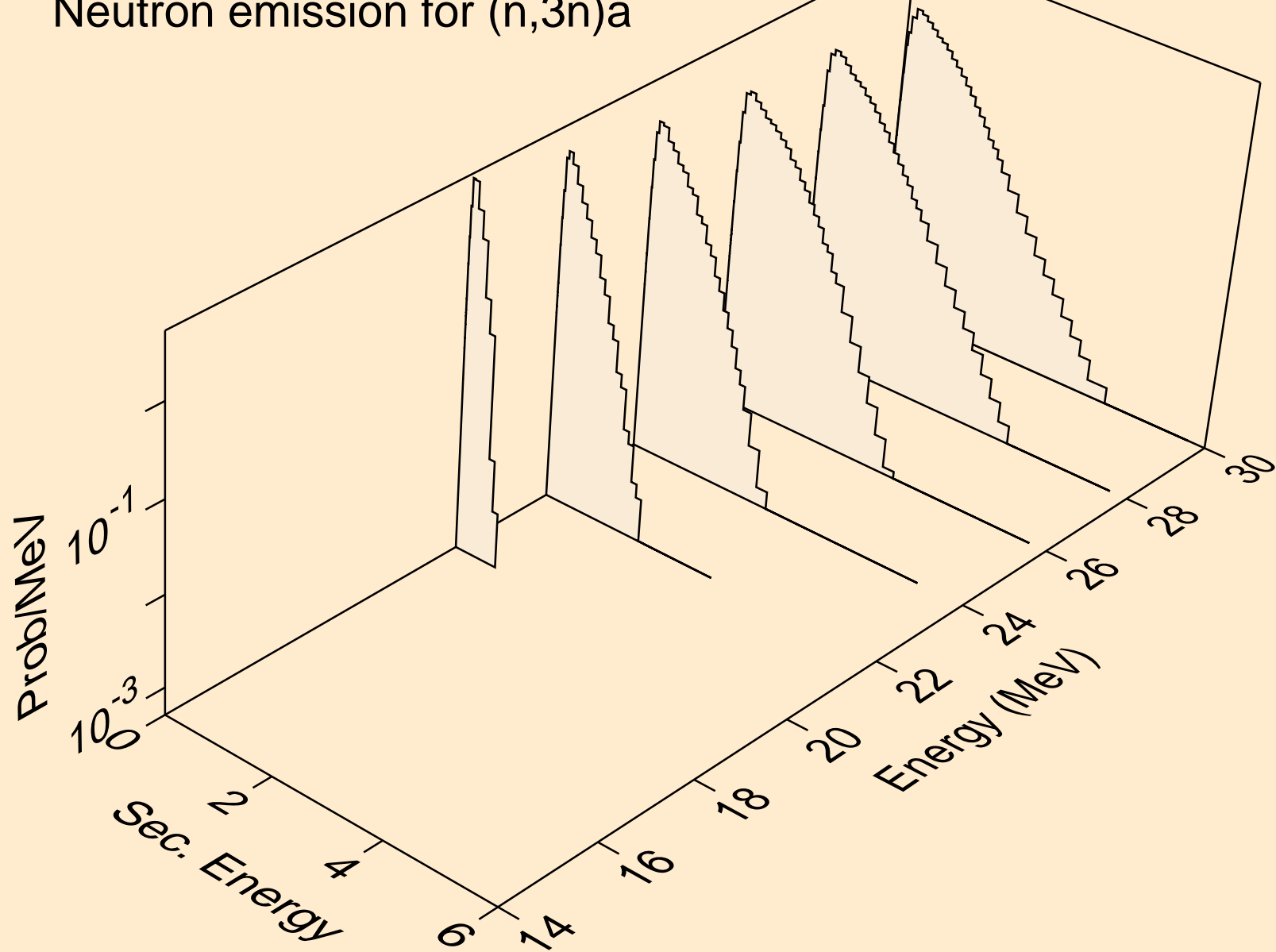
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



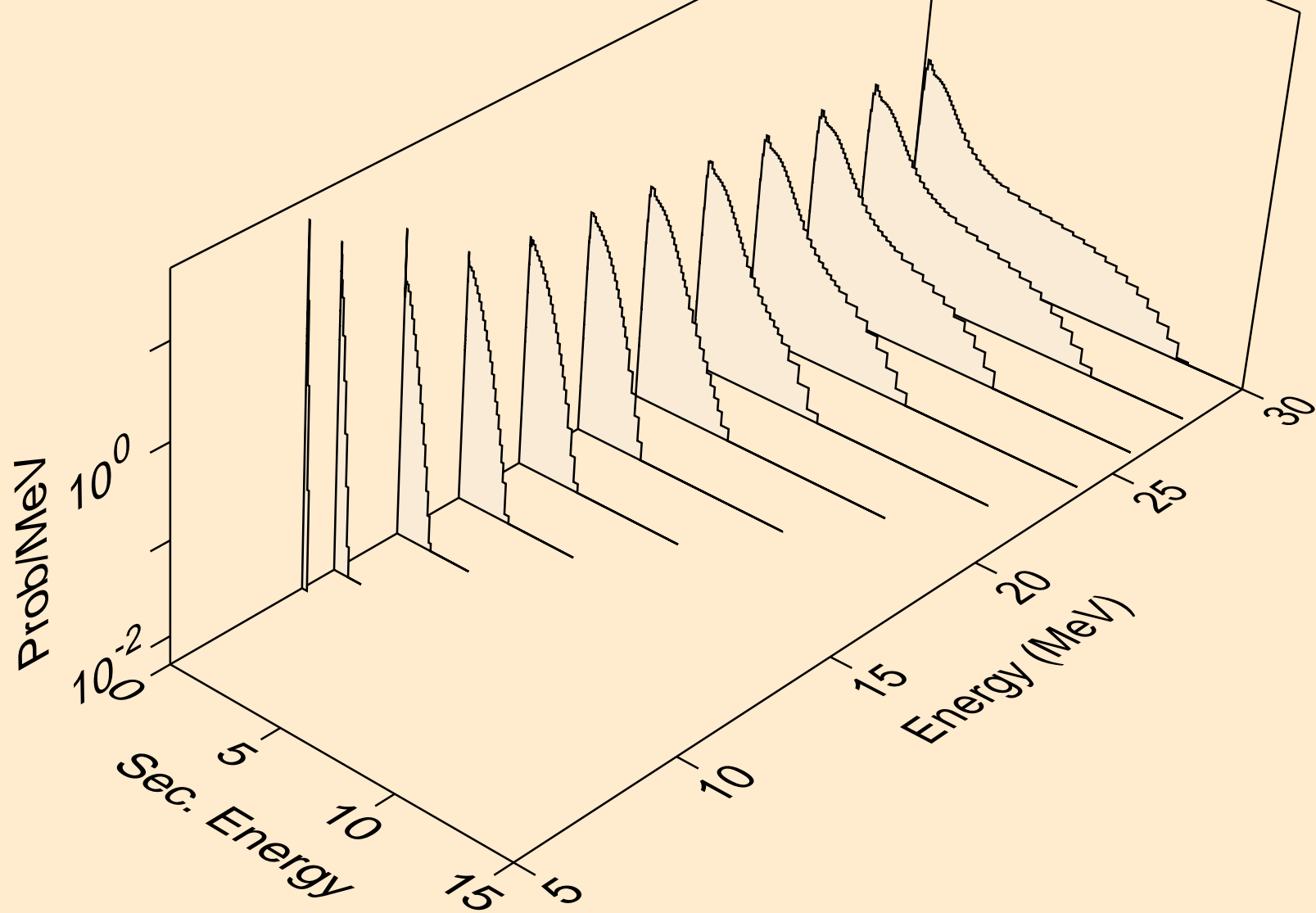
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



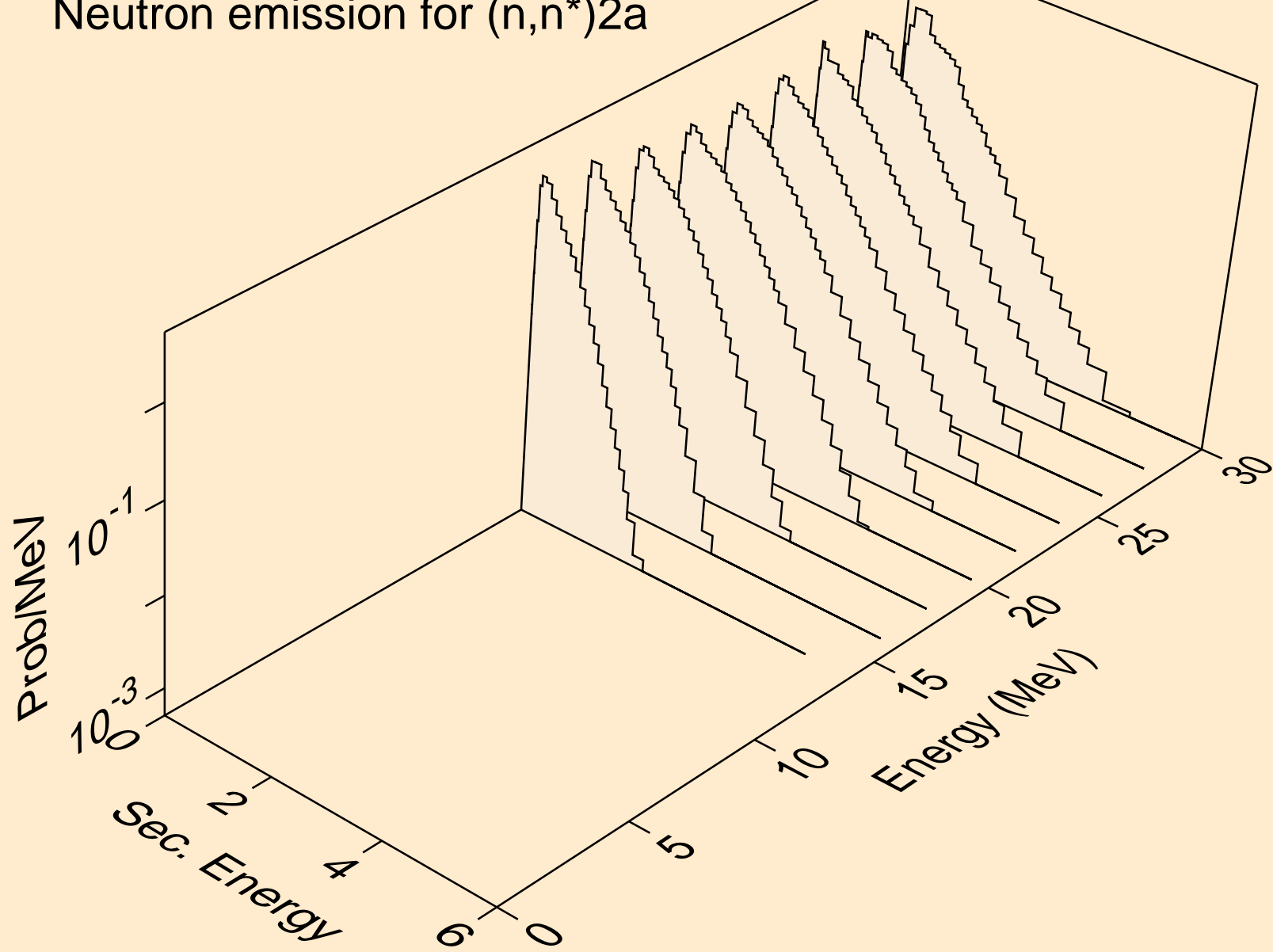
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



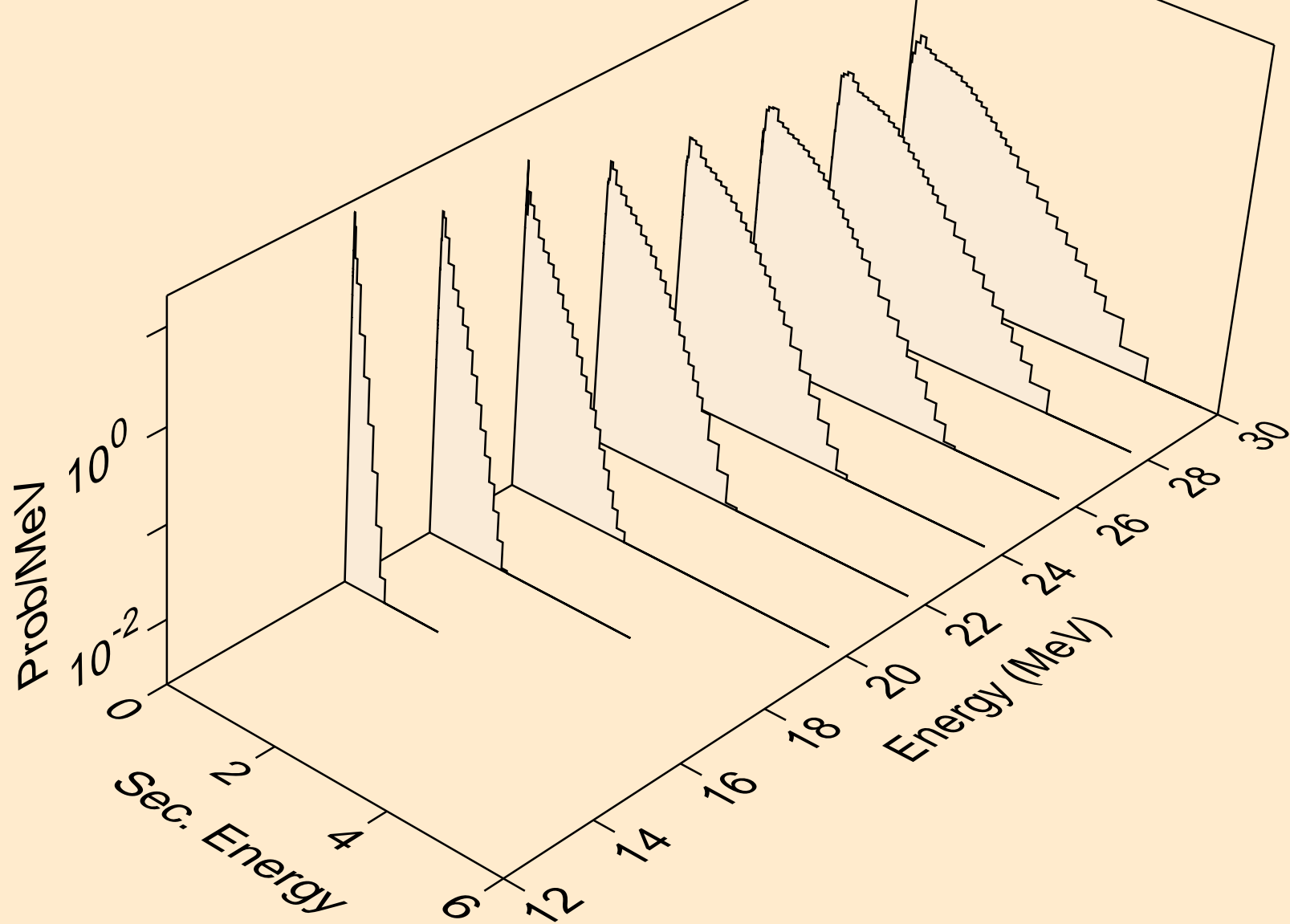
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



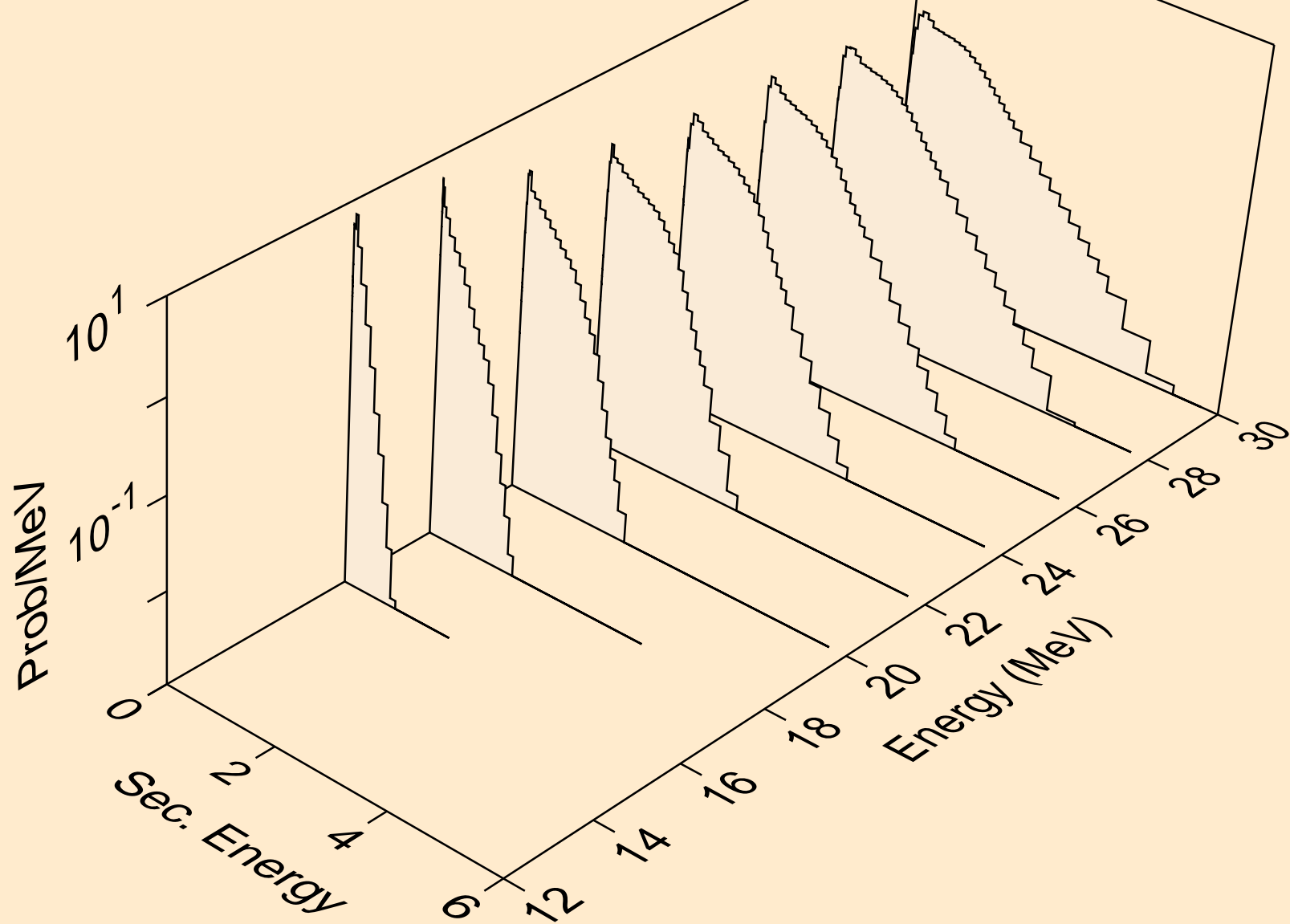
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



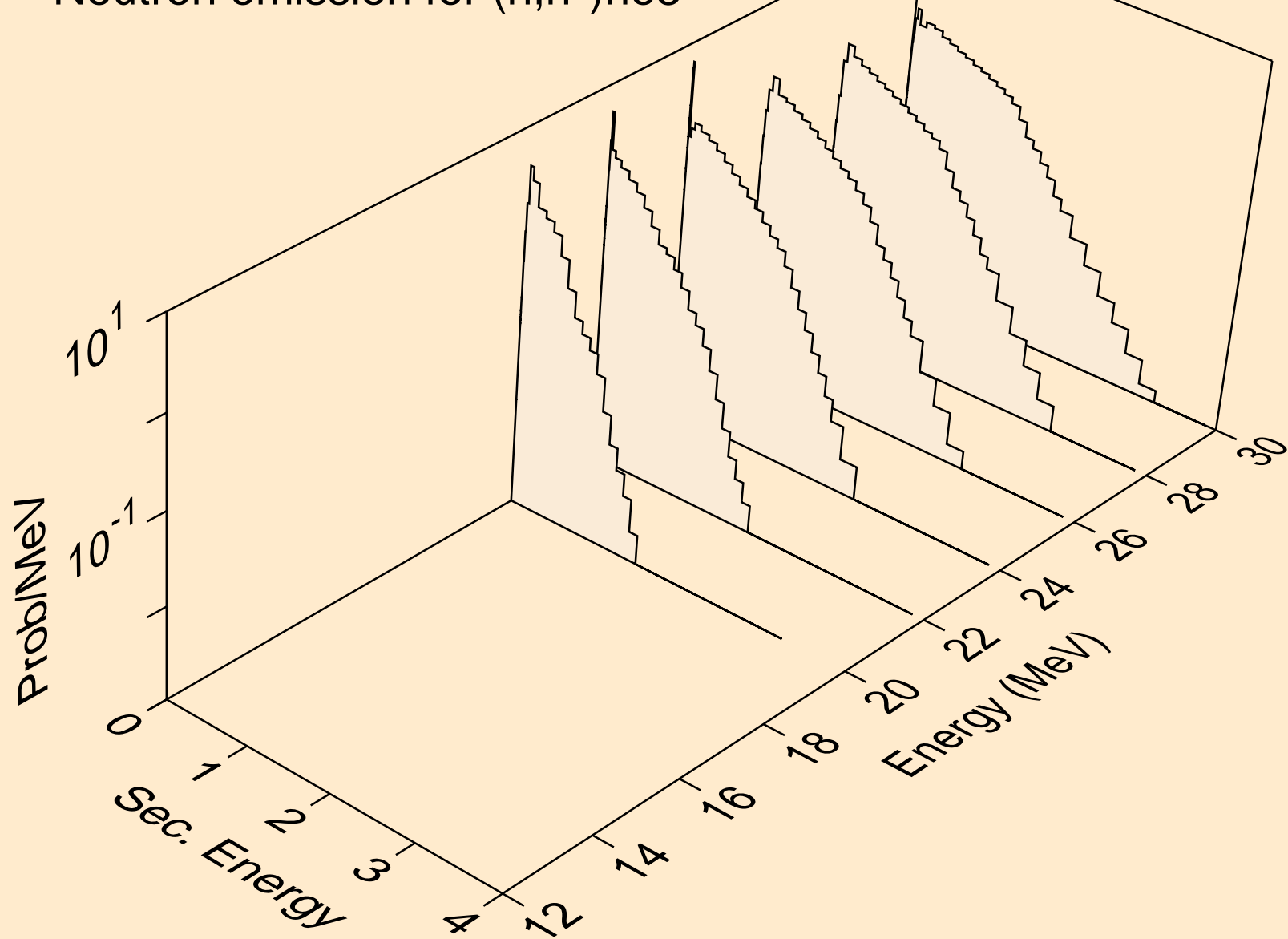
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t

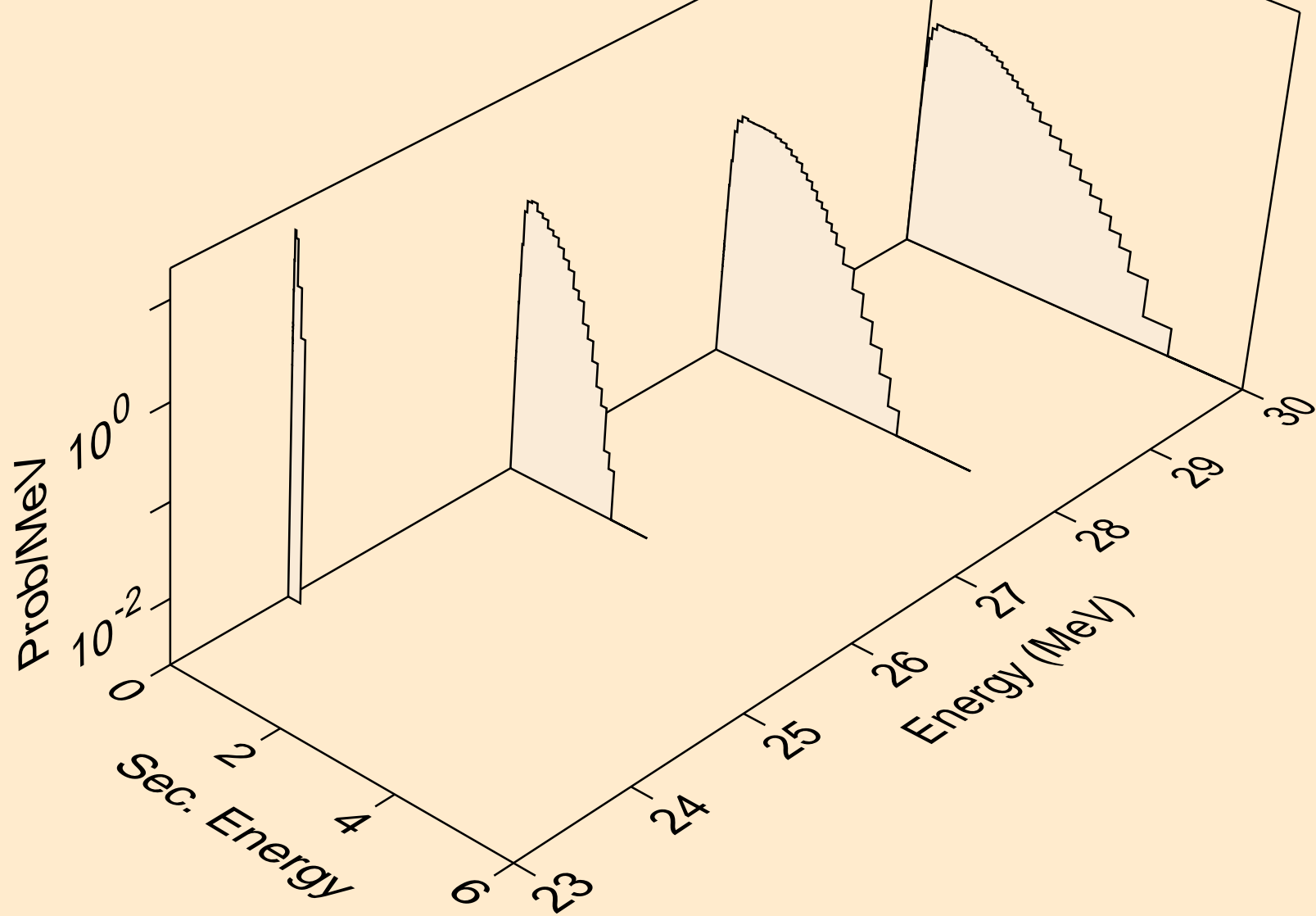


ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3

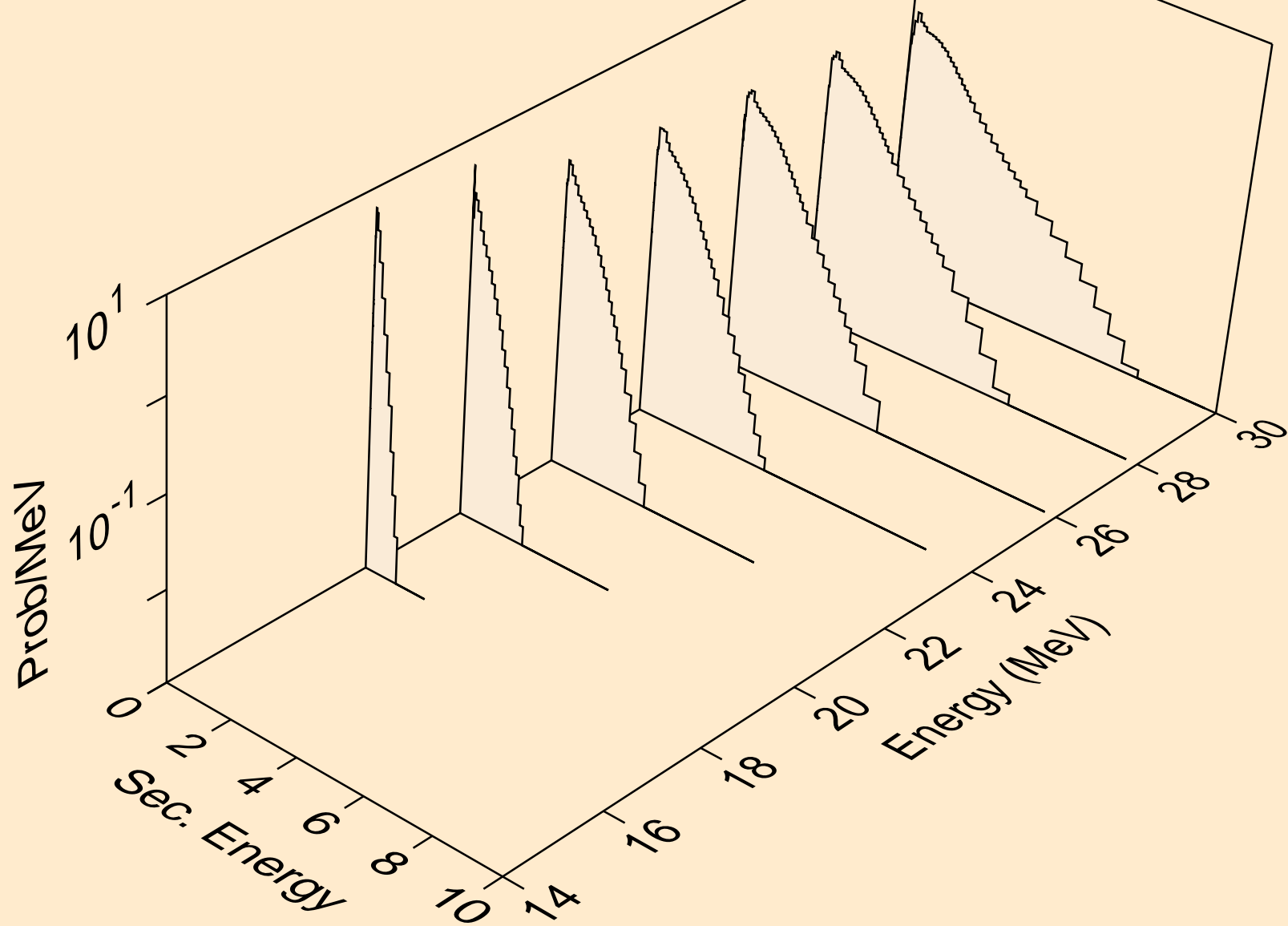




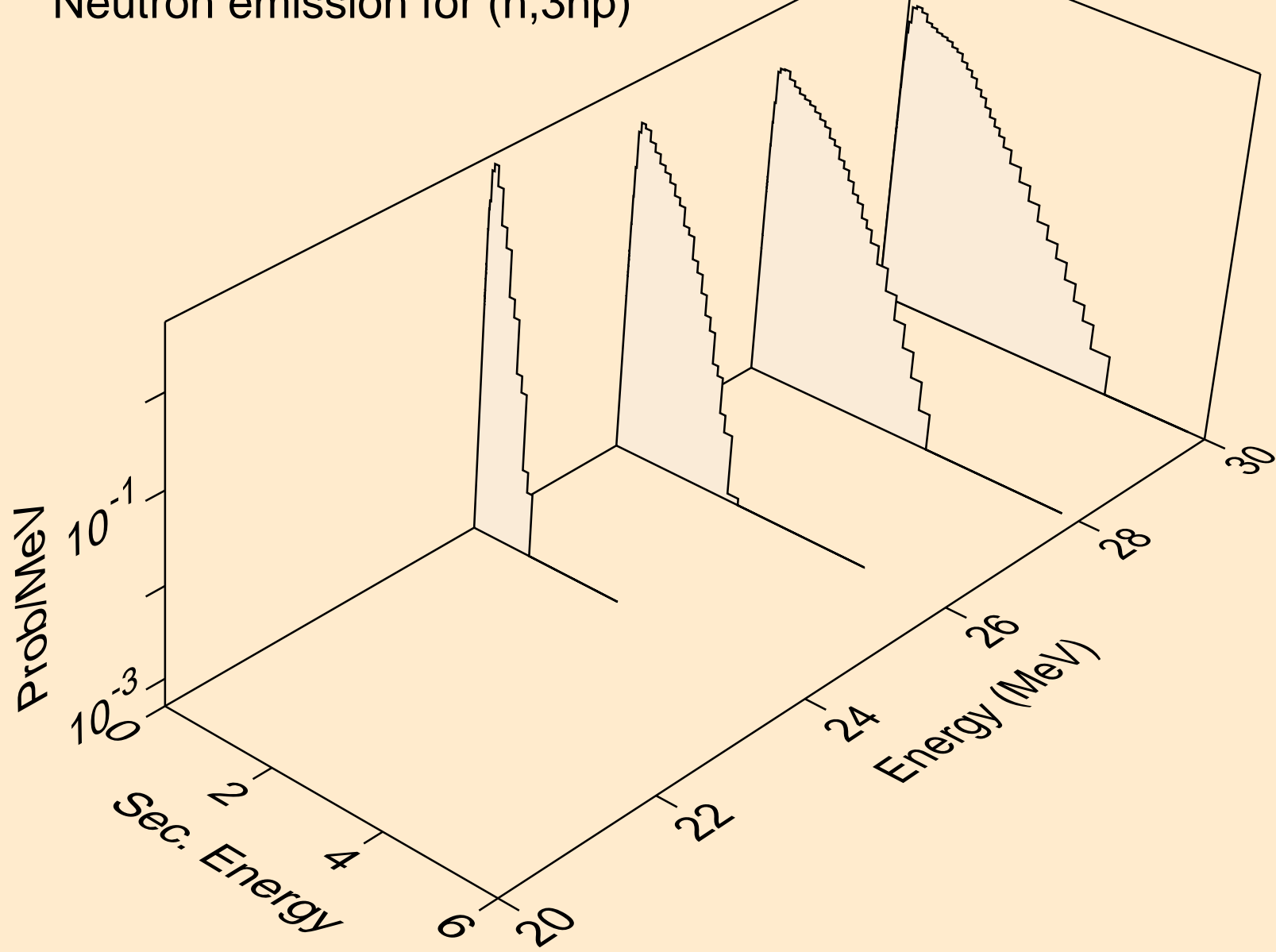
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)



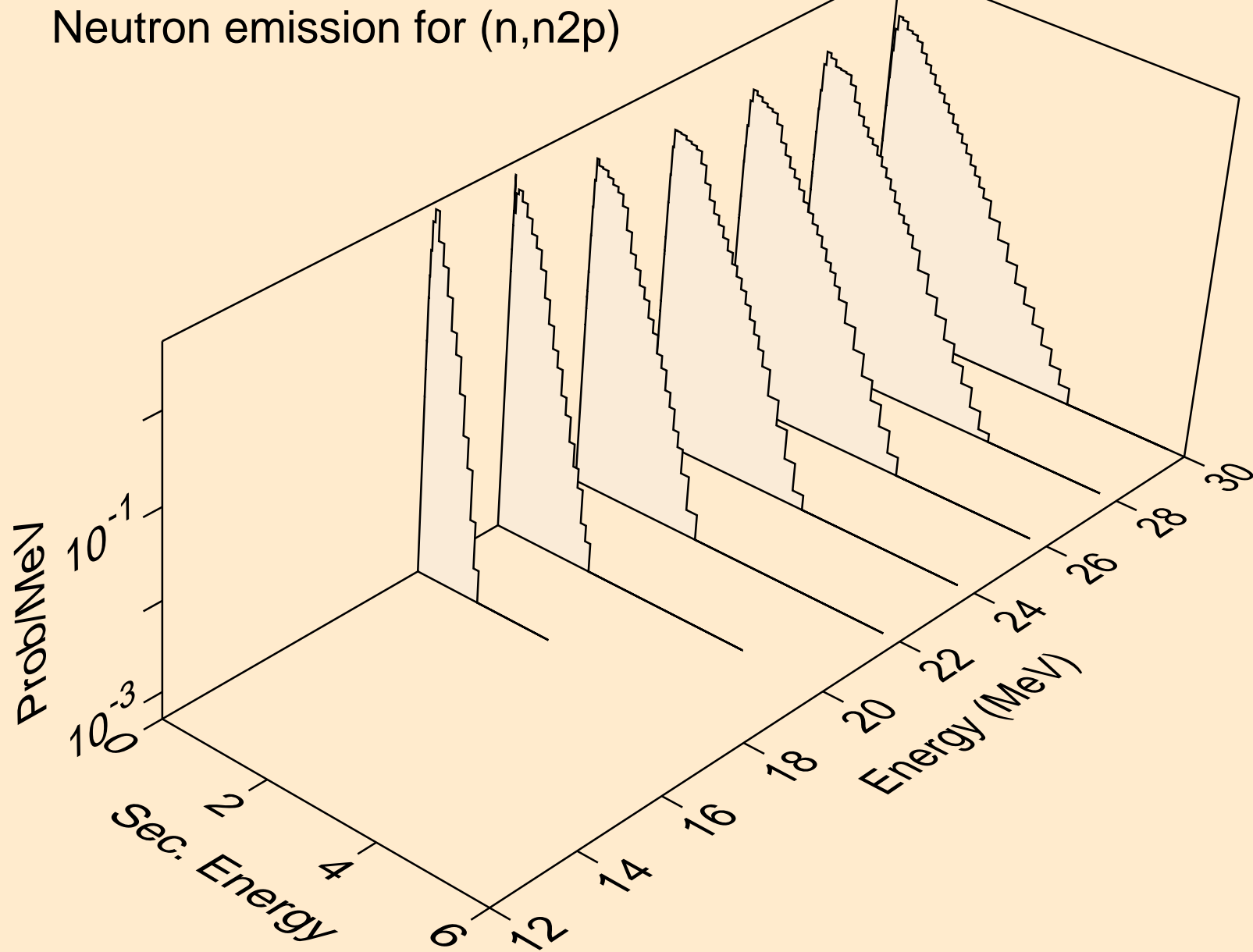
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



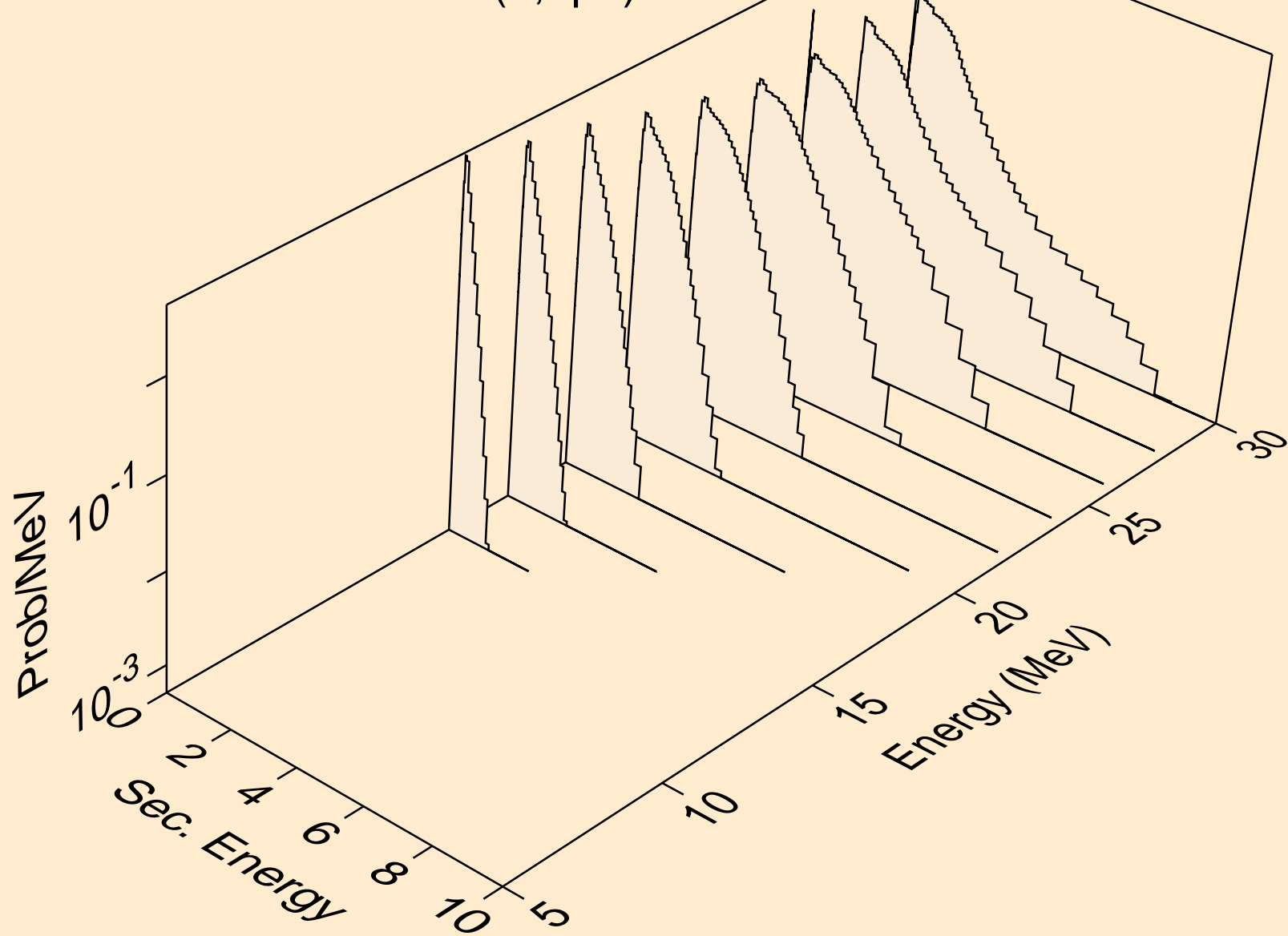
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)



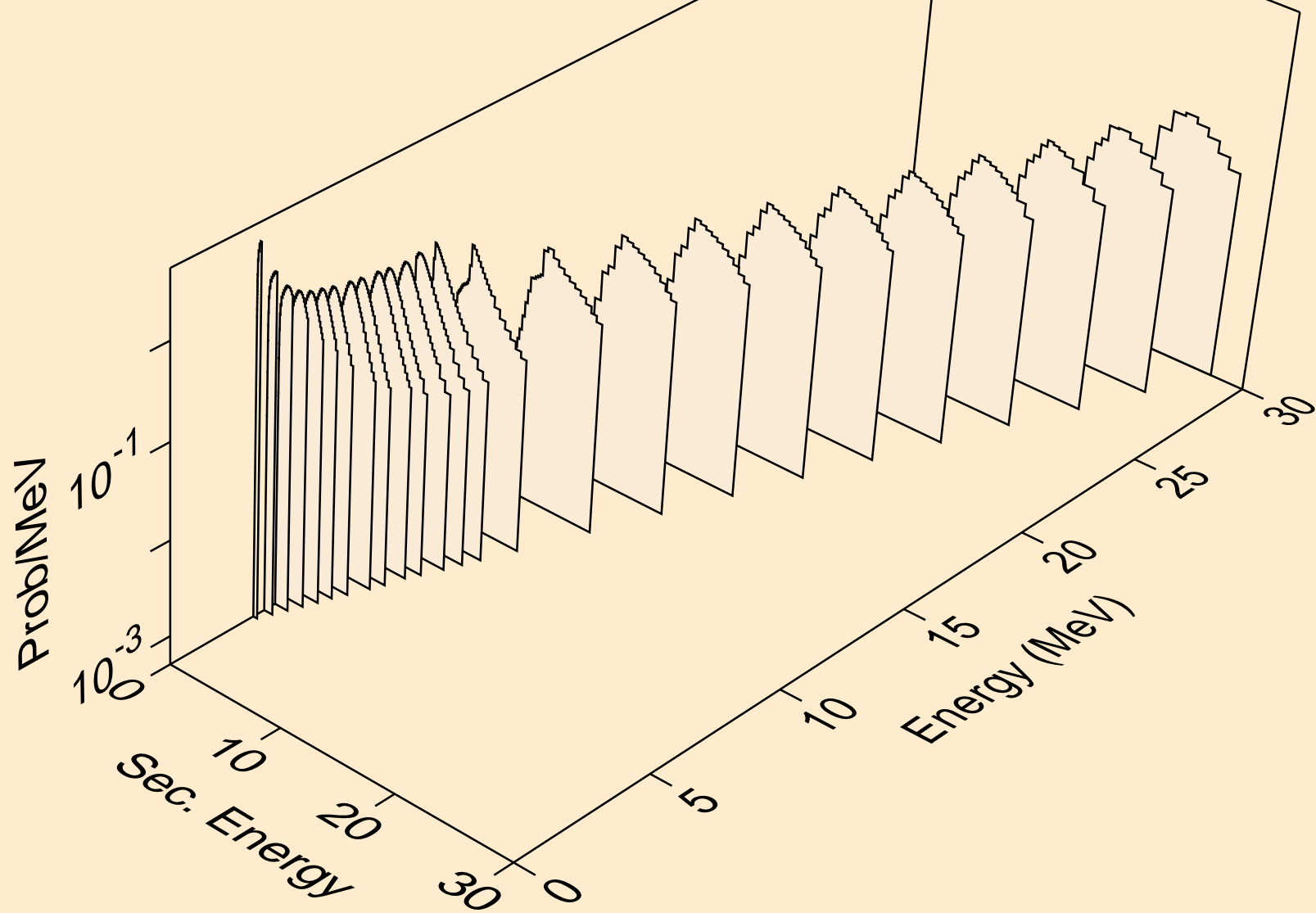
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



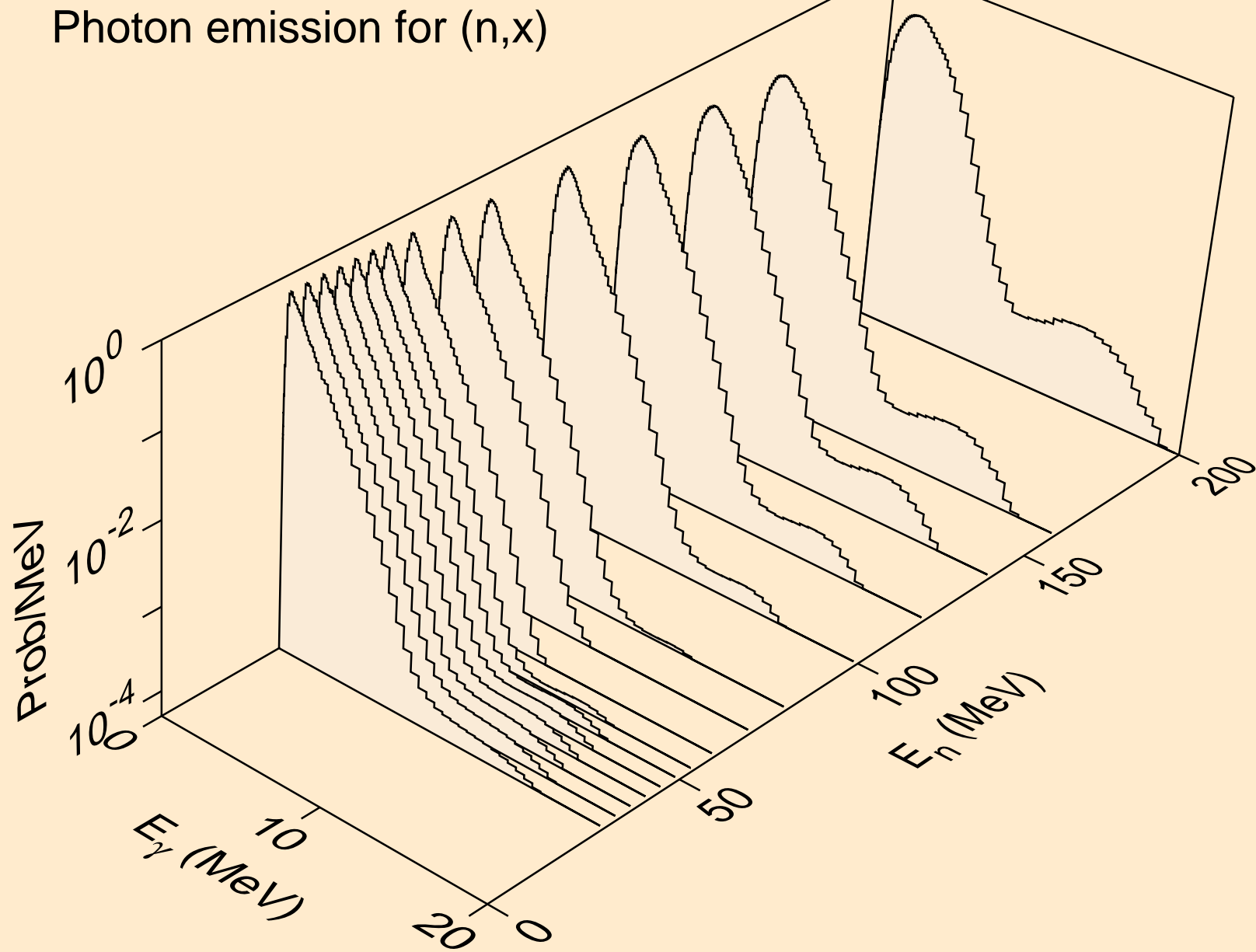
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)



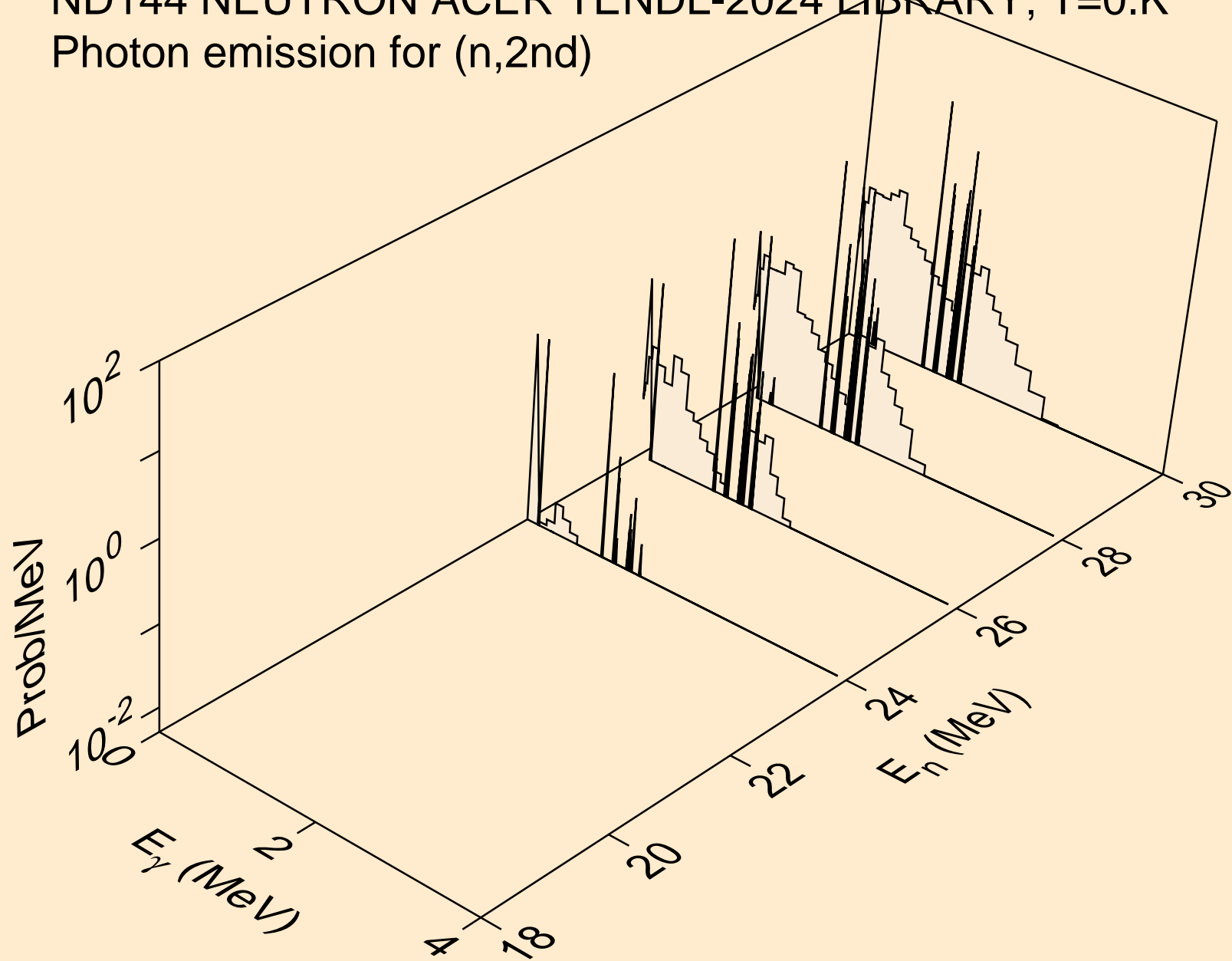
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)

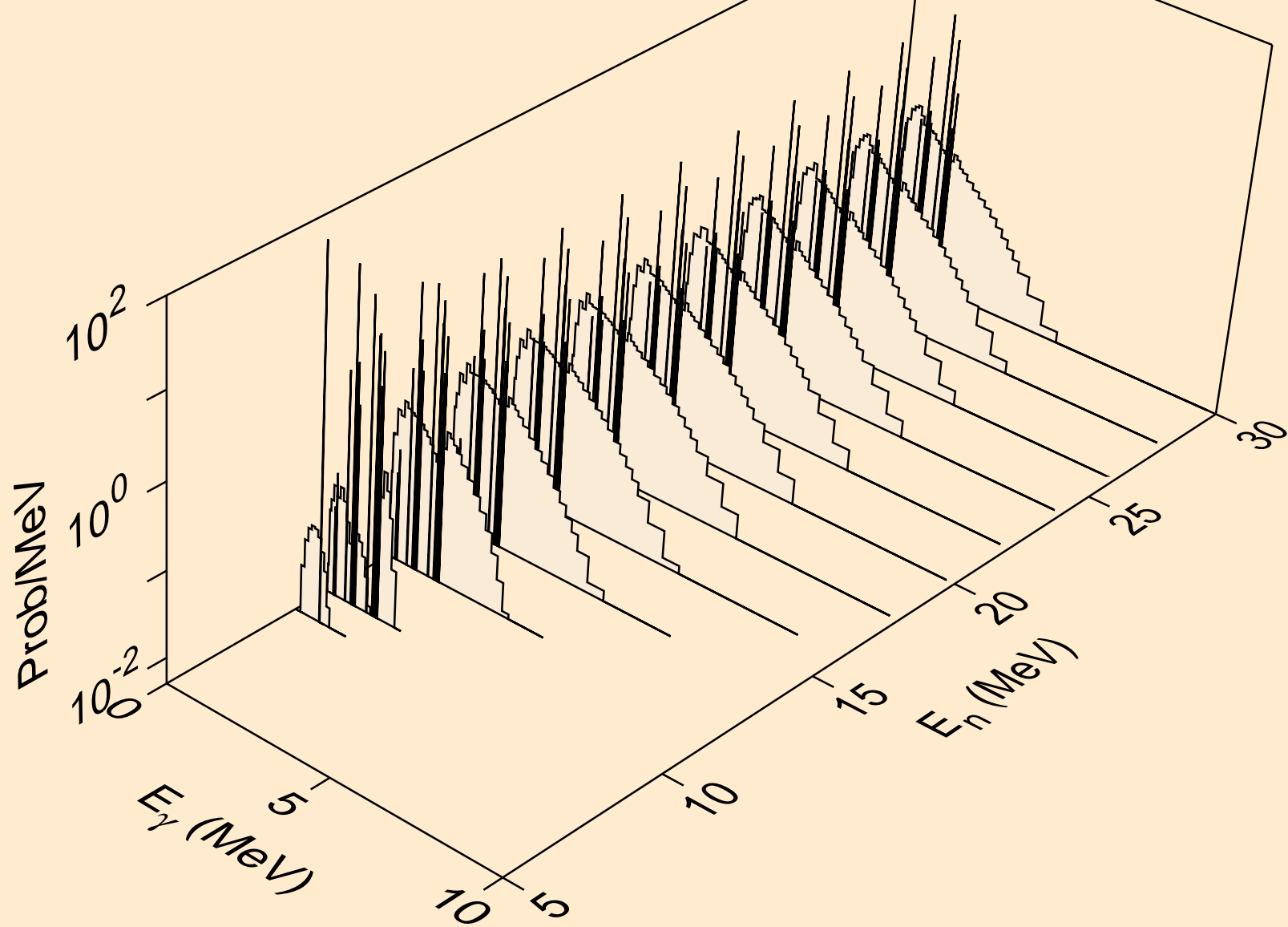


ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)

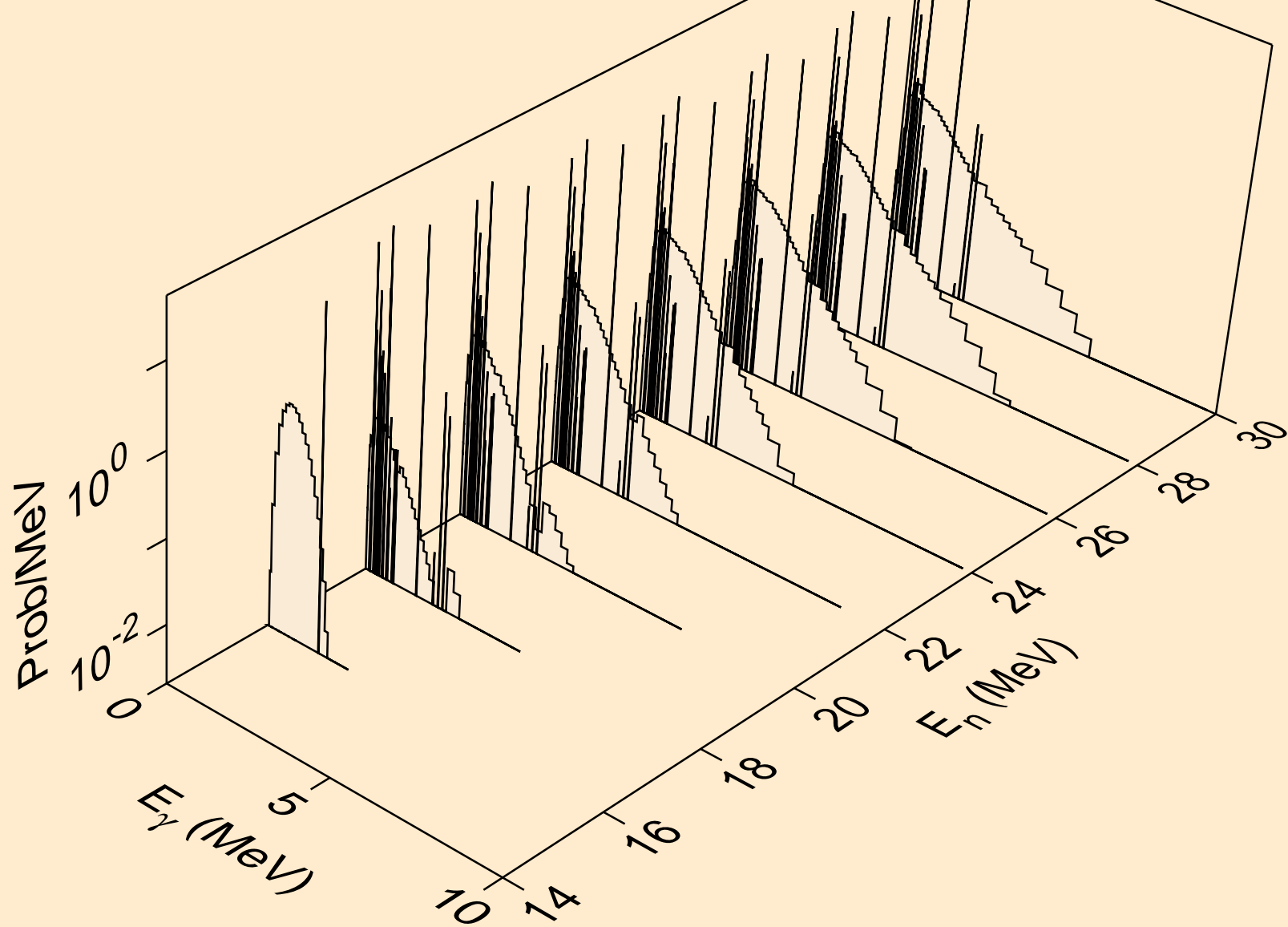




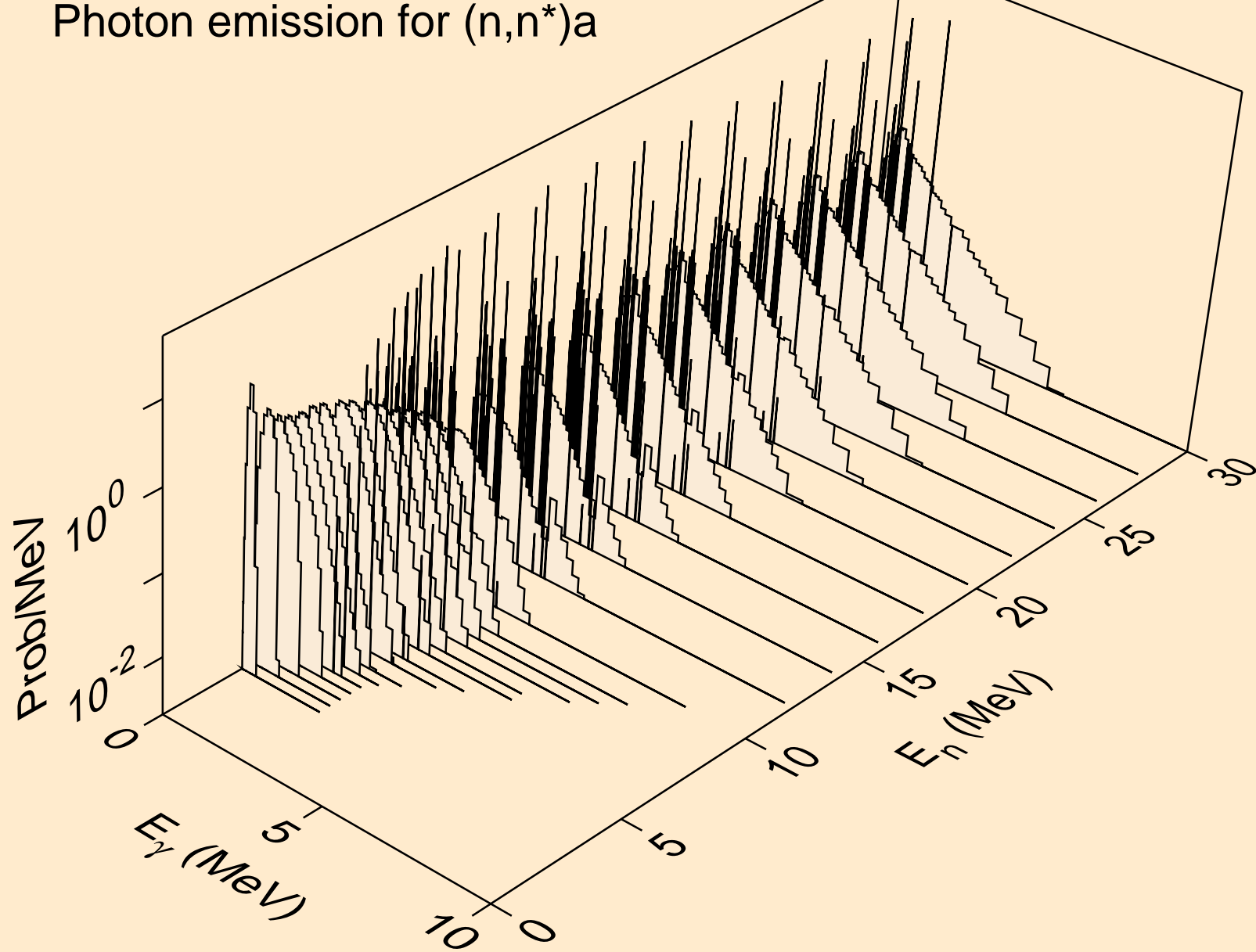
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



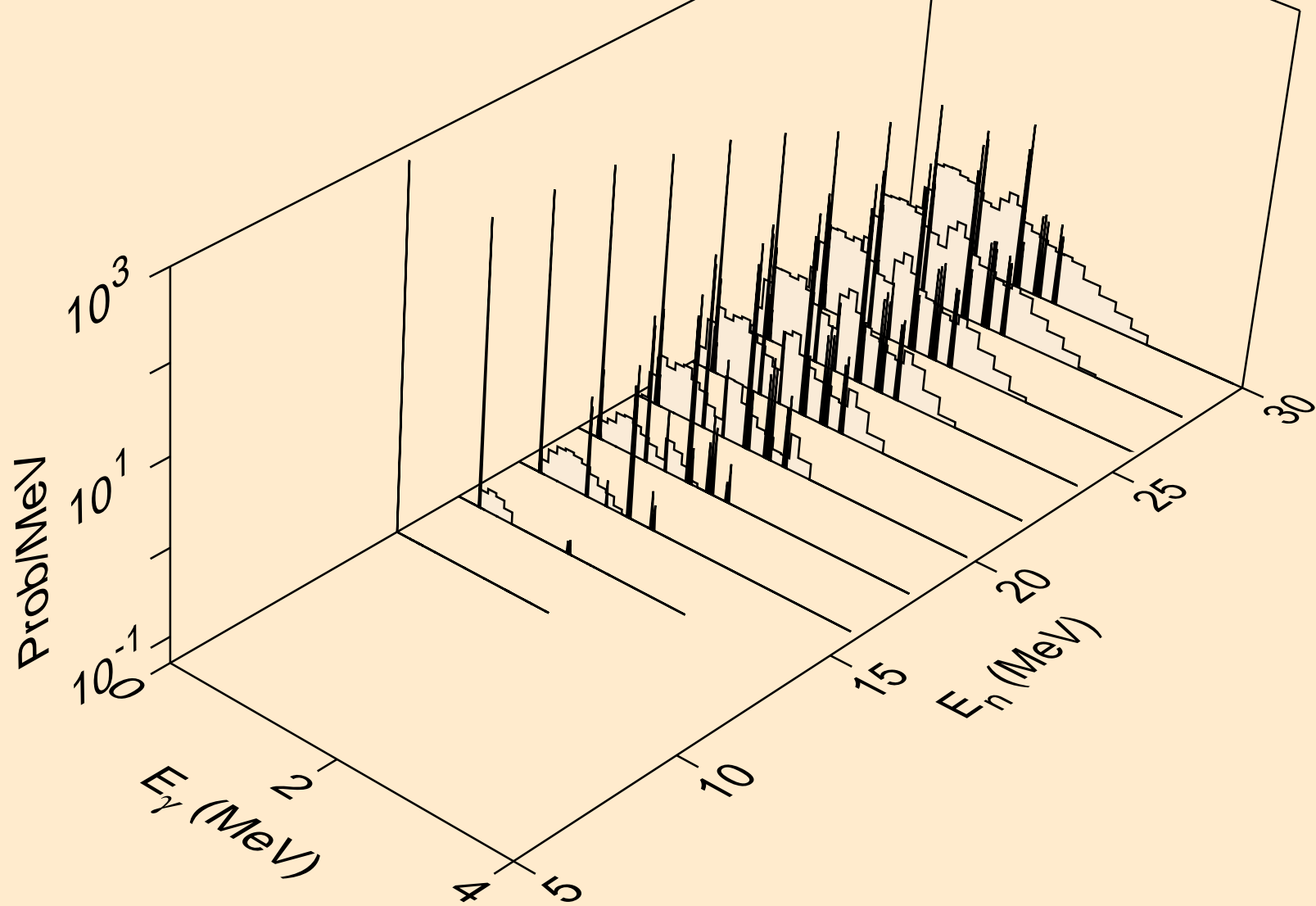
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



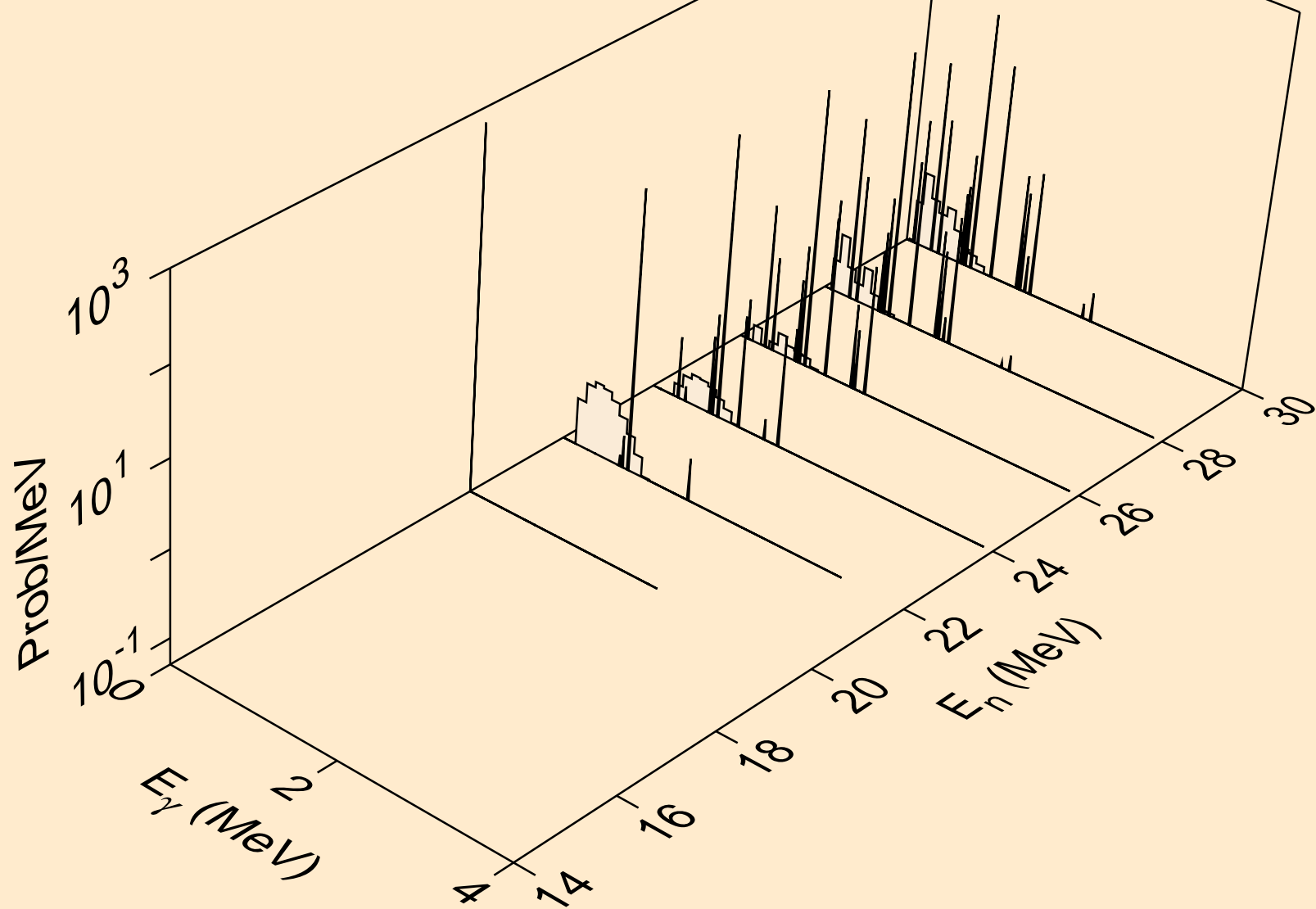
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



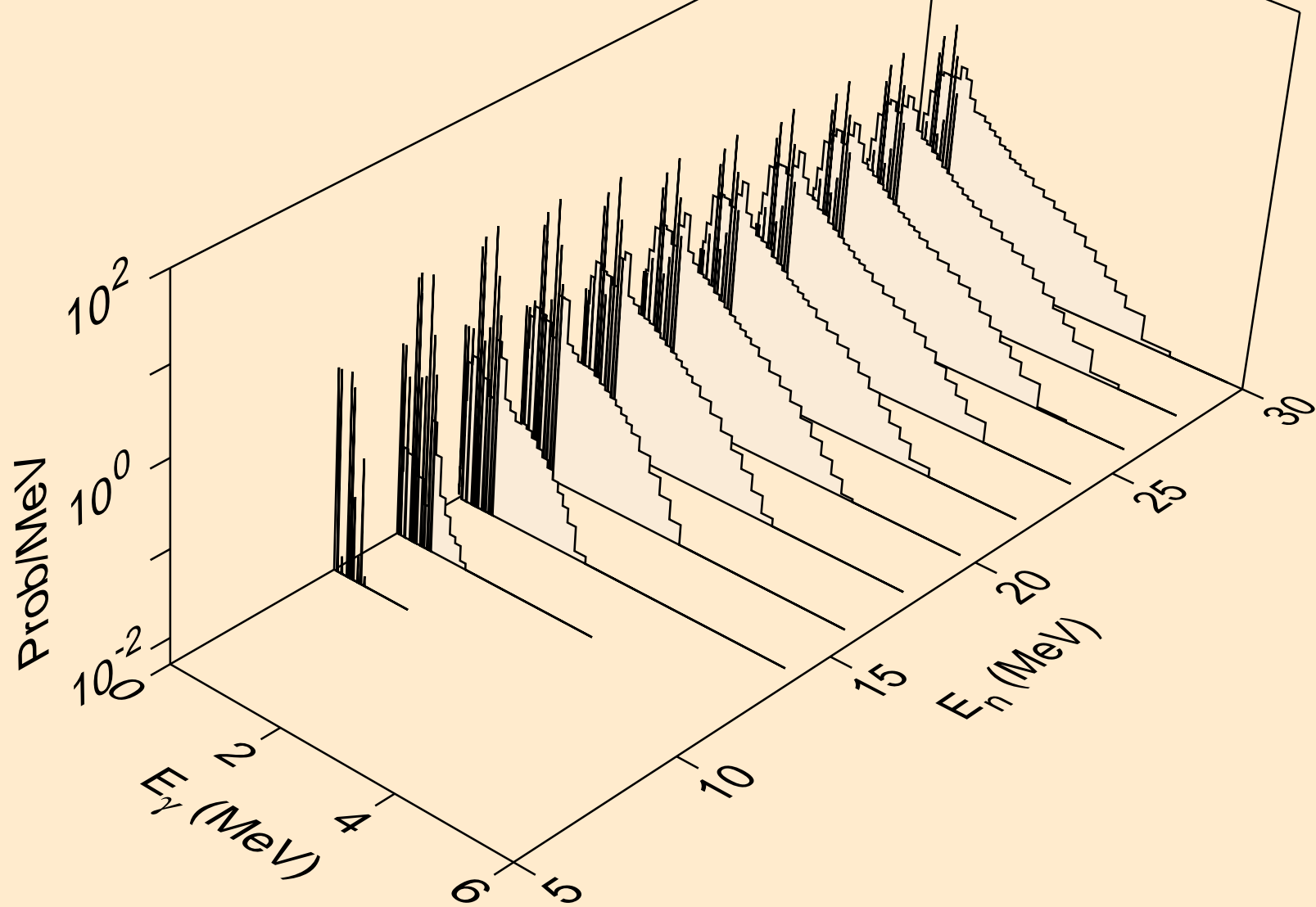
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



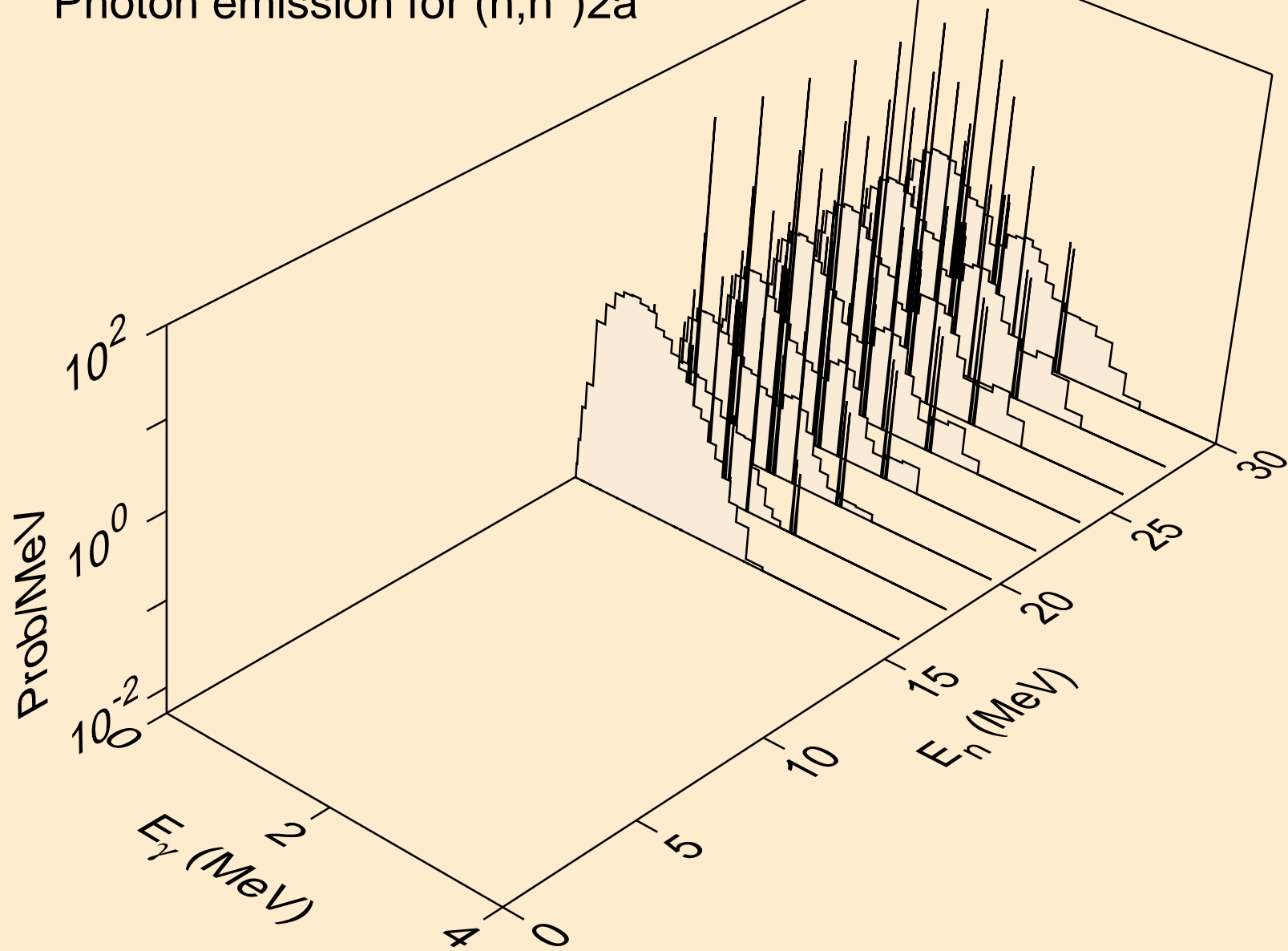
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a



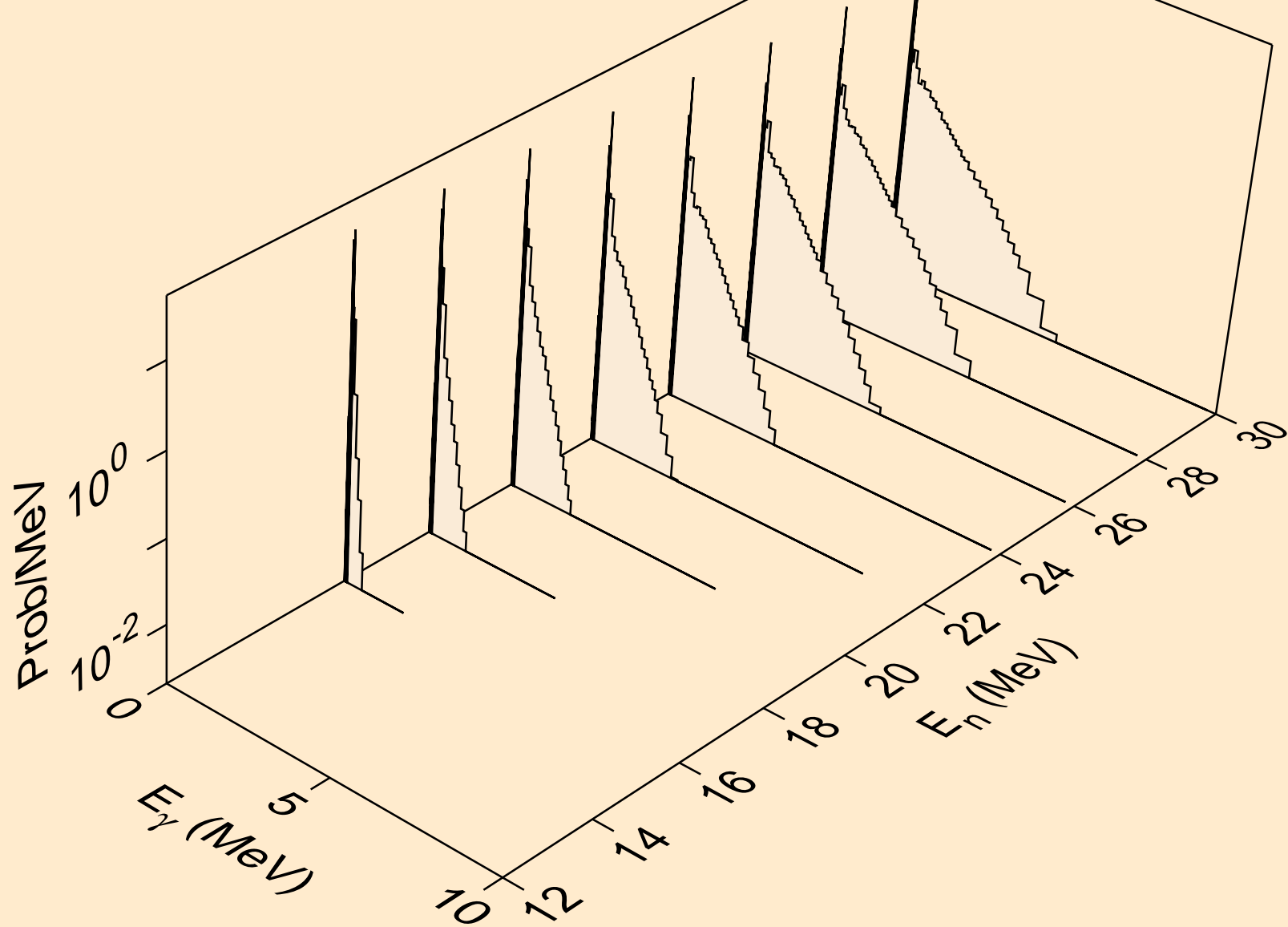
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

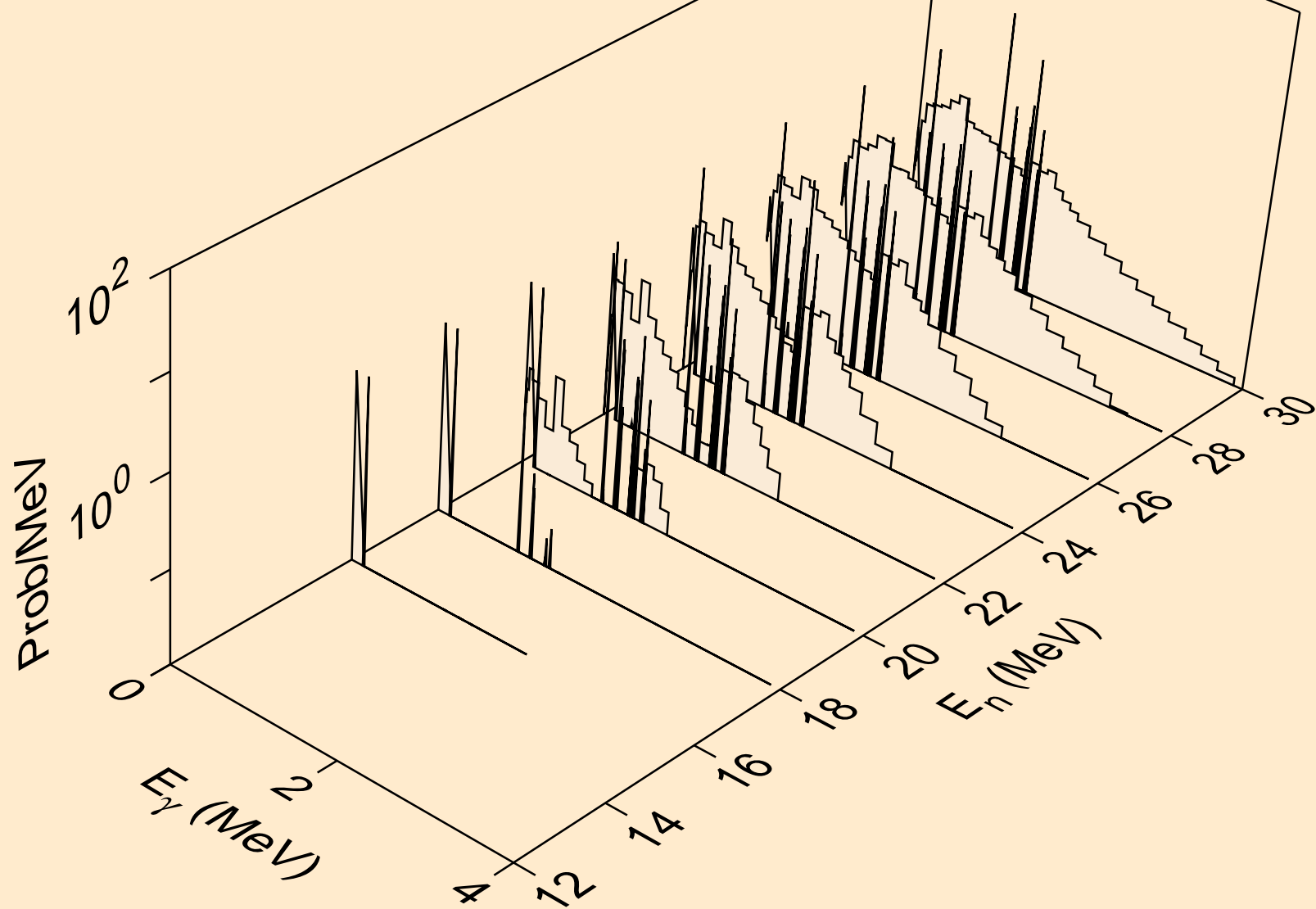


ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

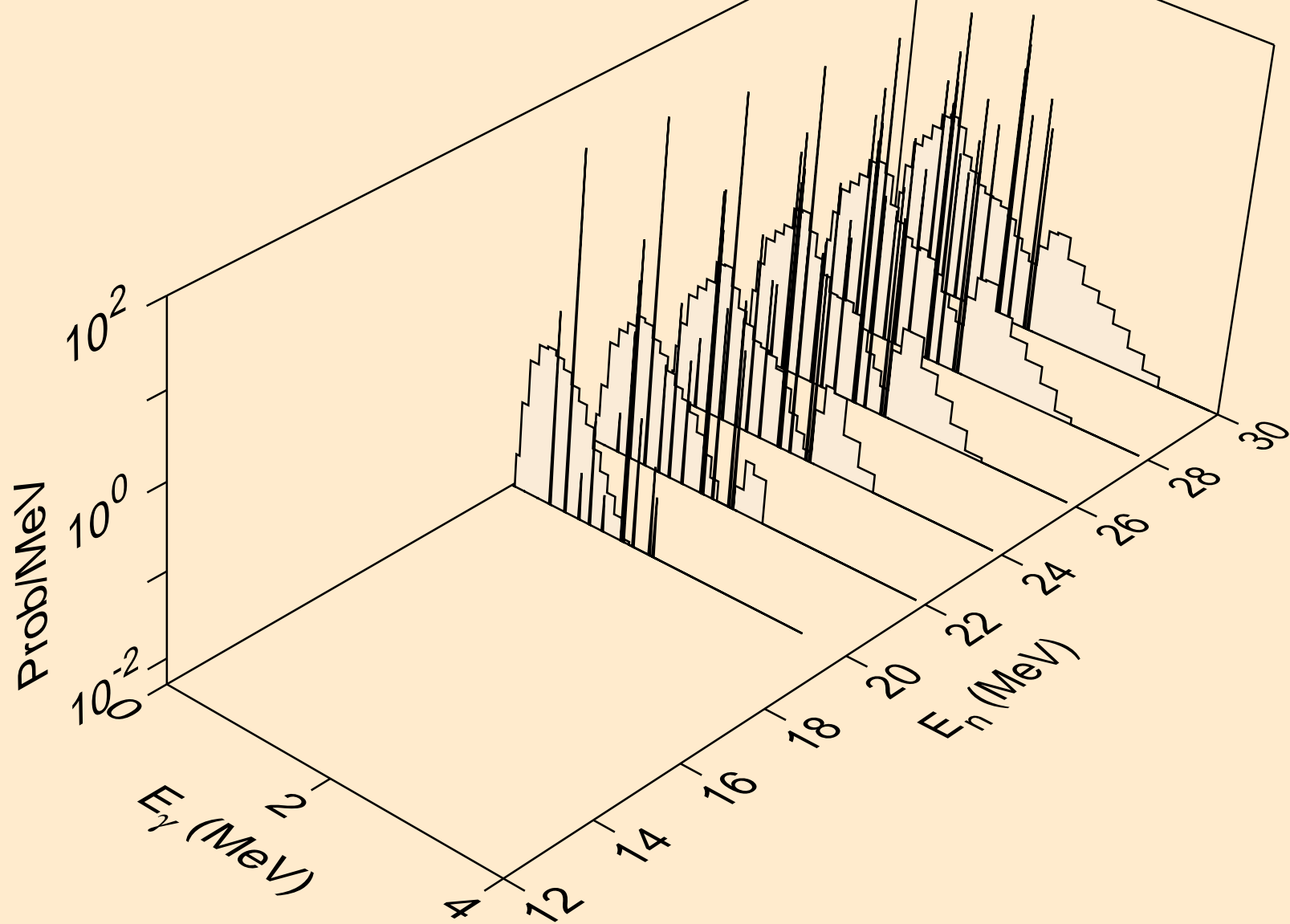




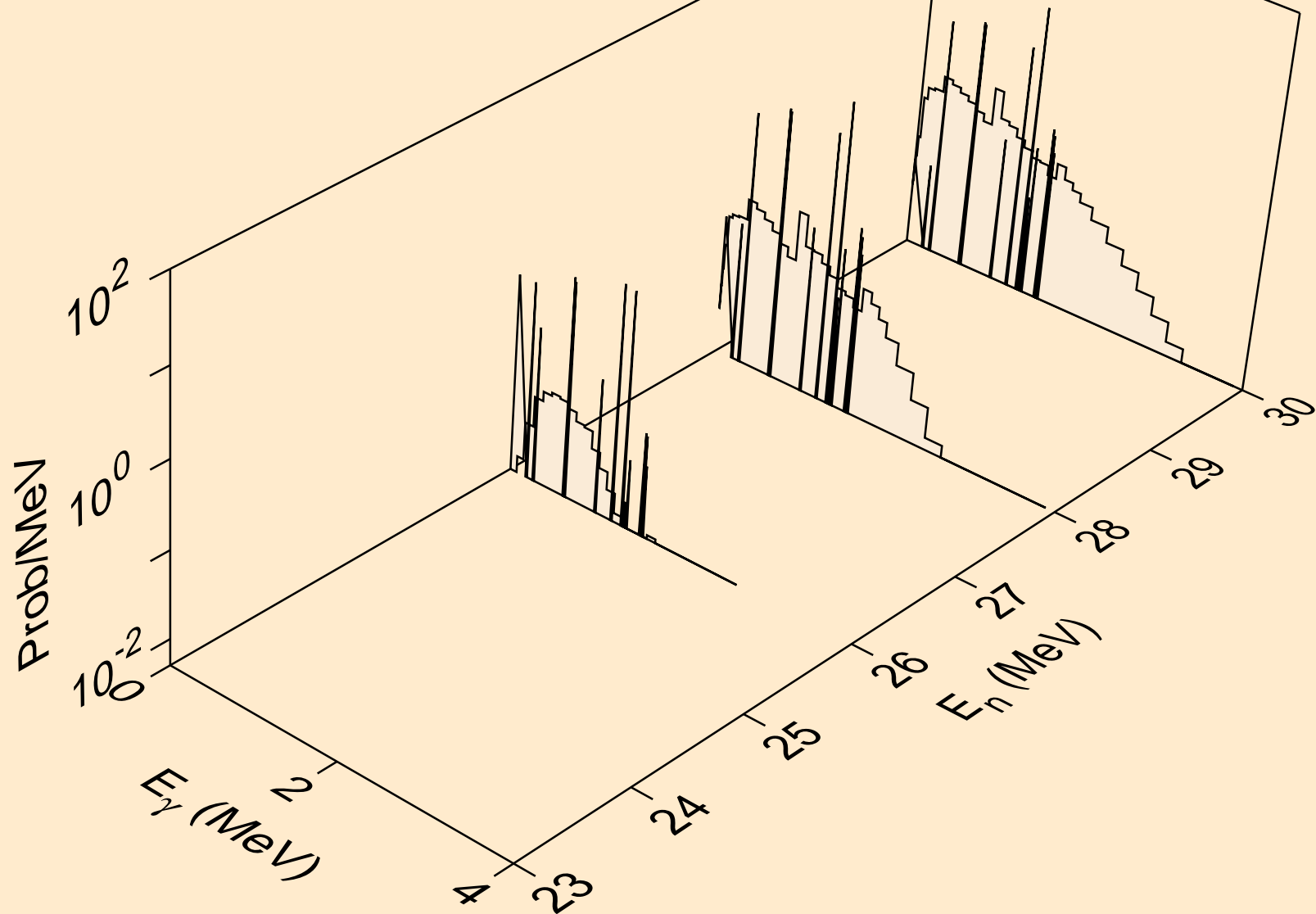
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



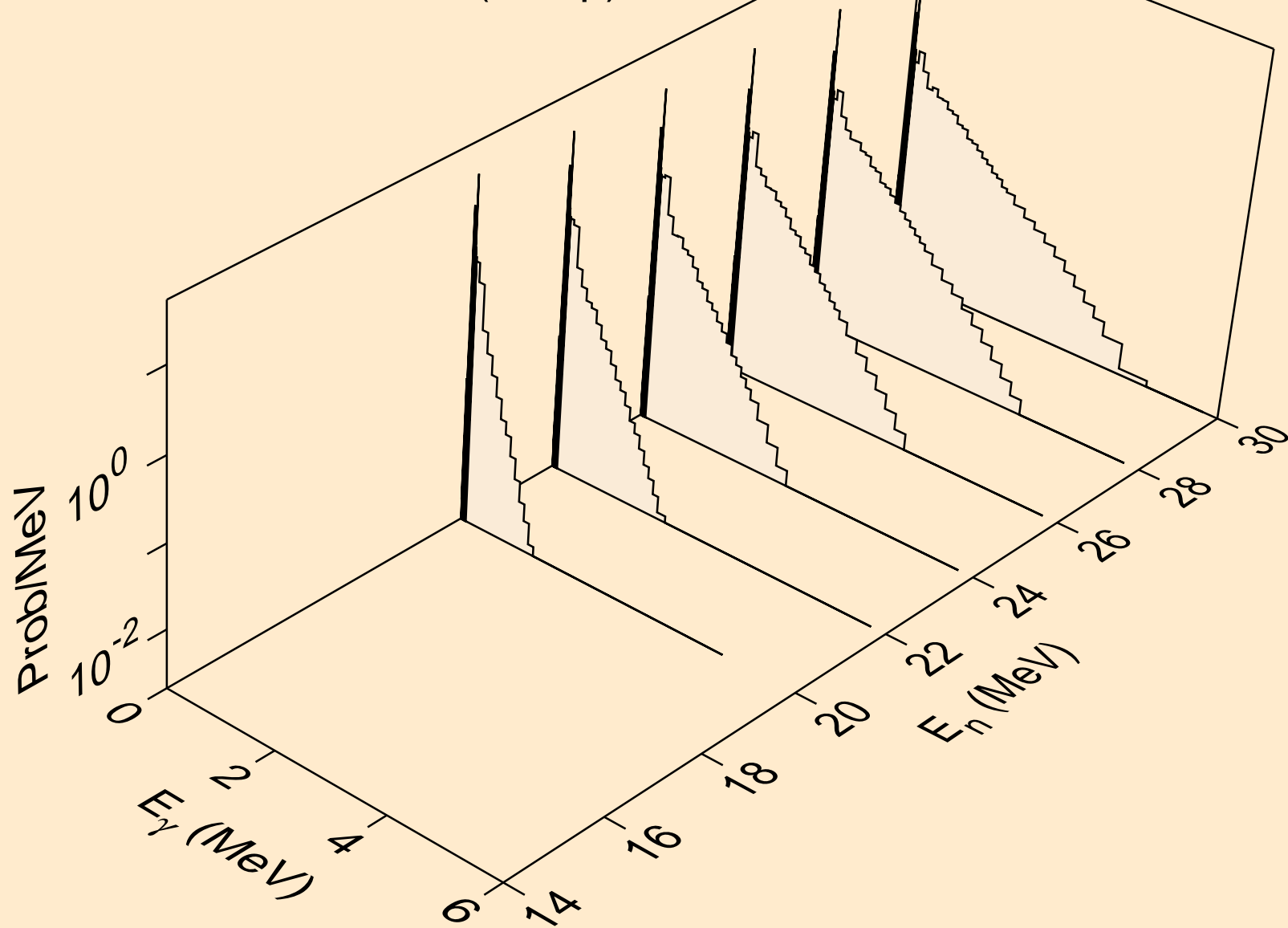
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



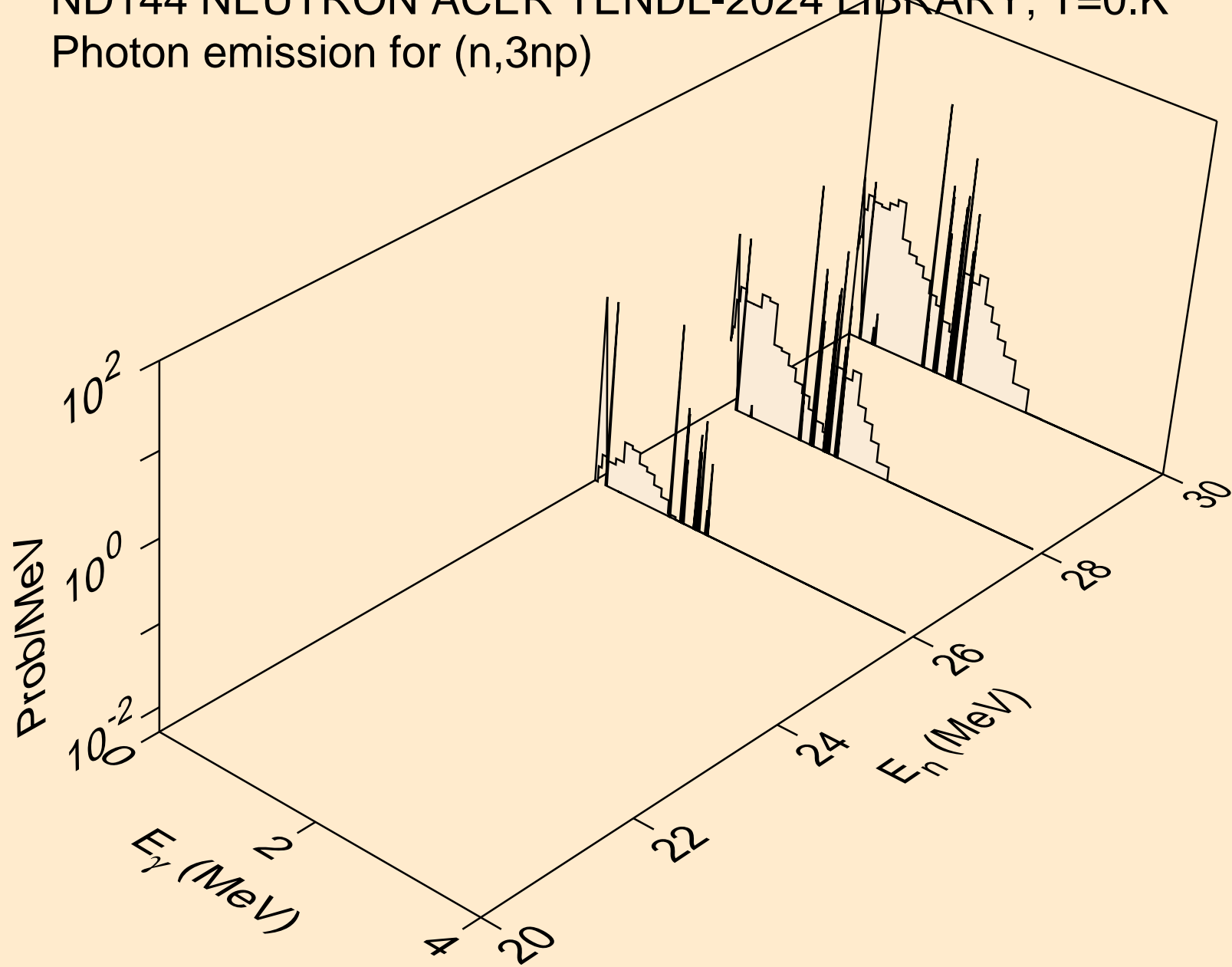
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



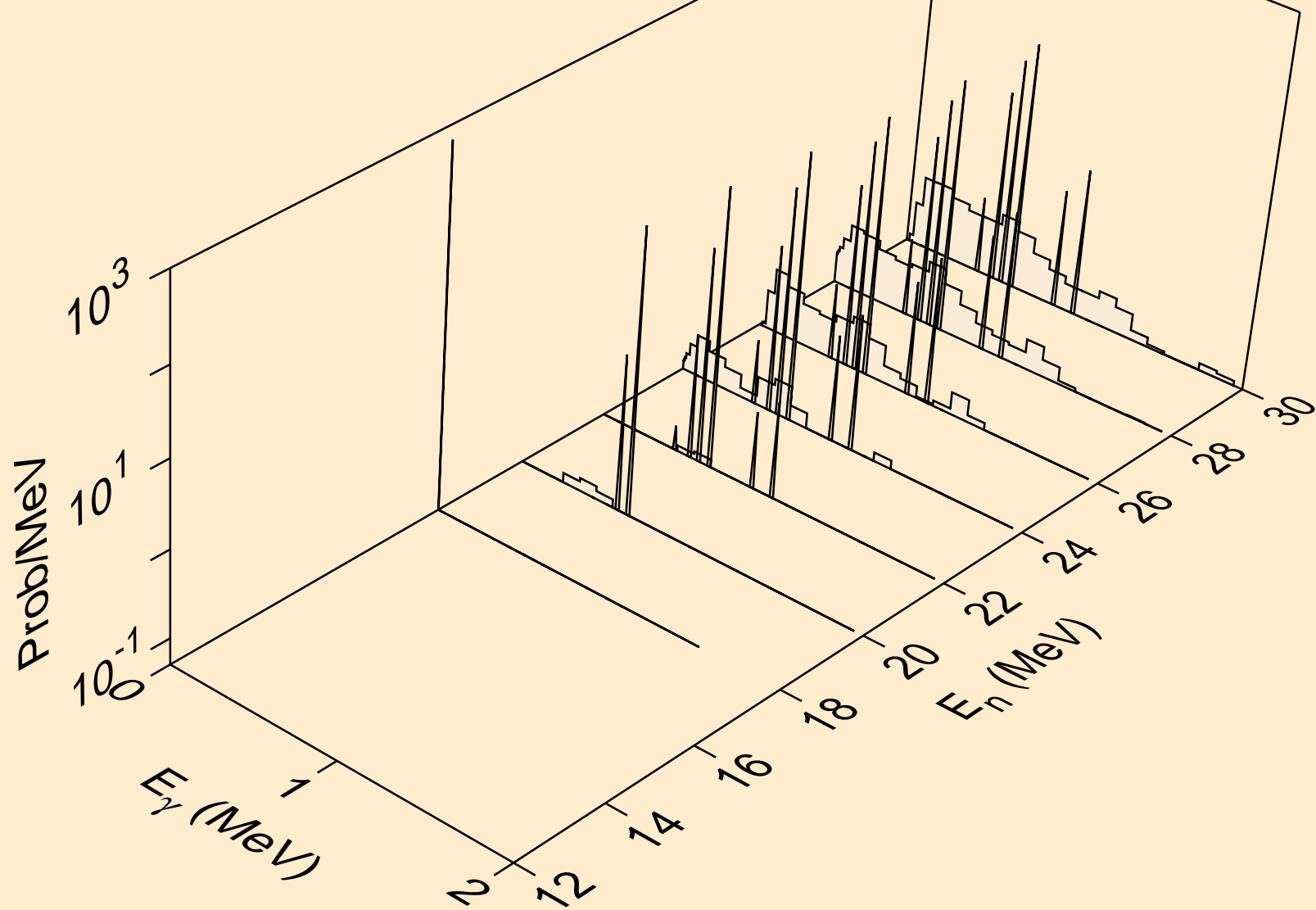
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



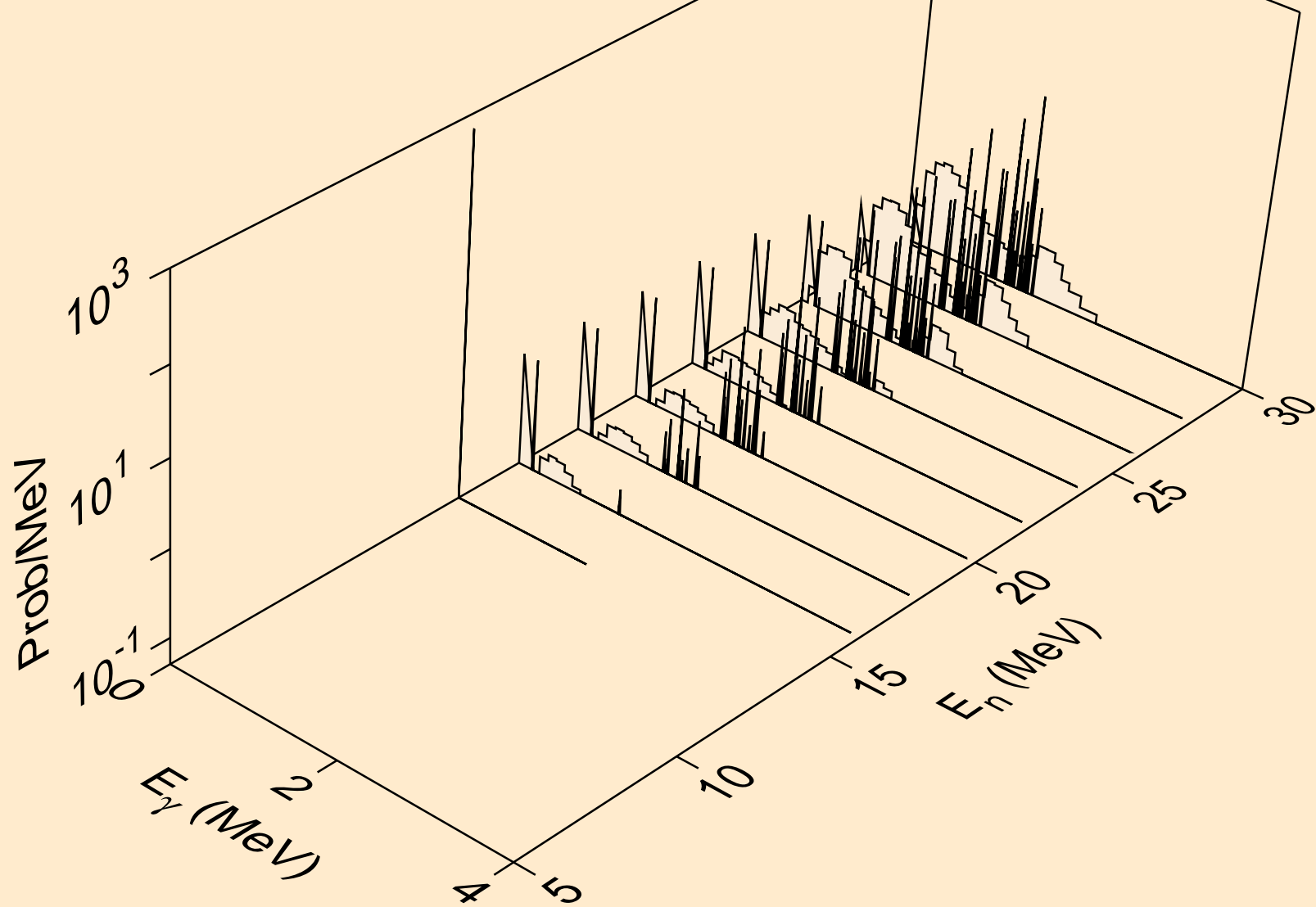
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)



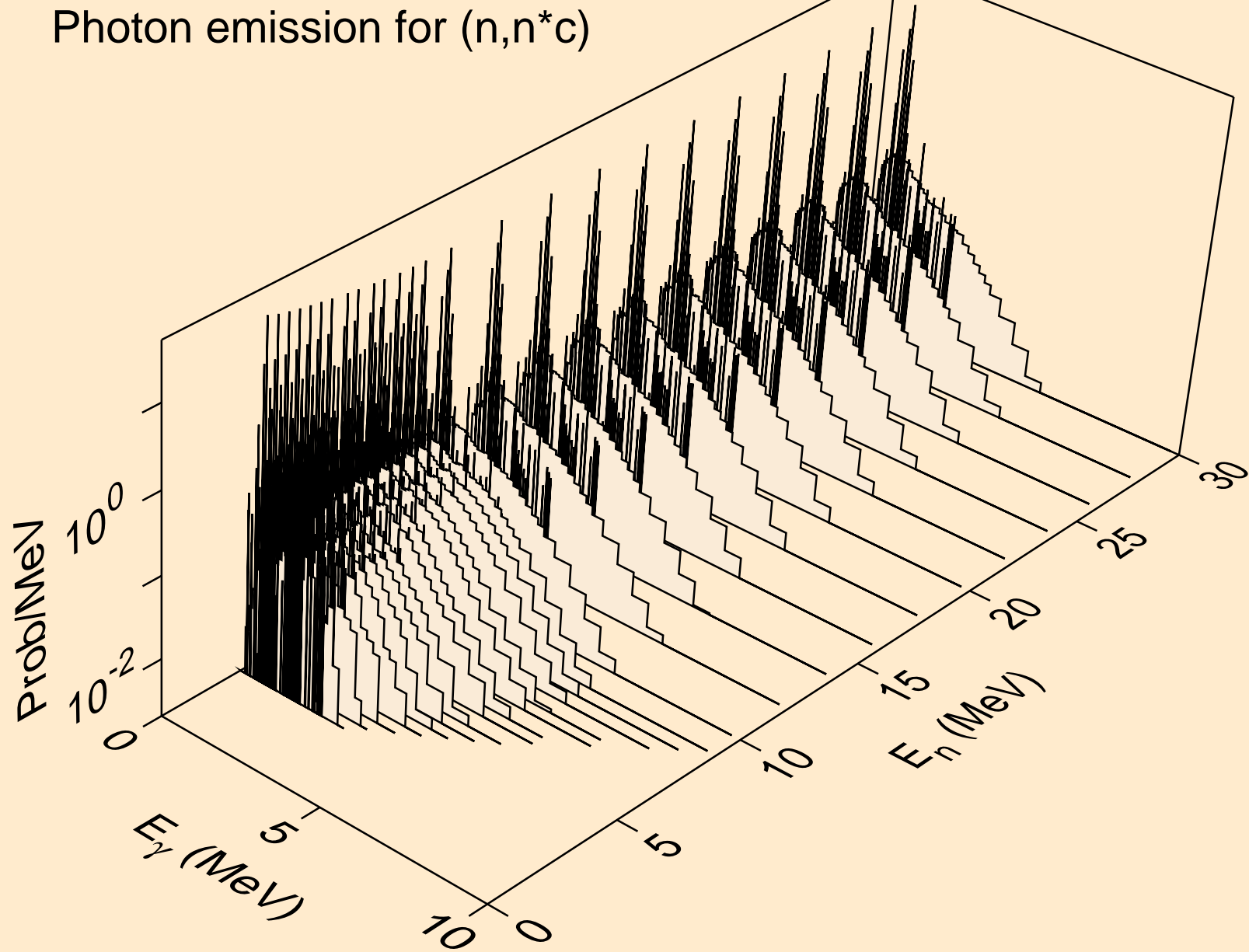
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)

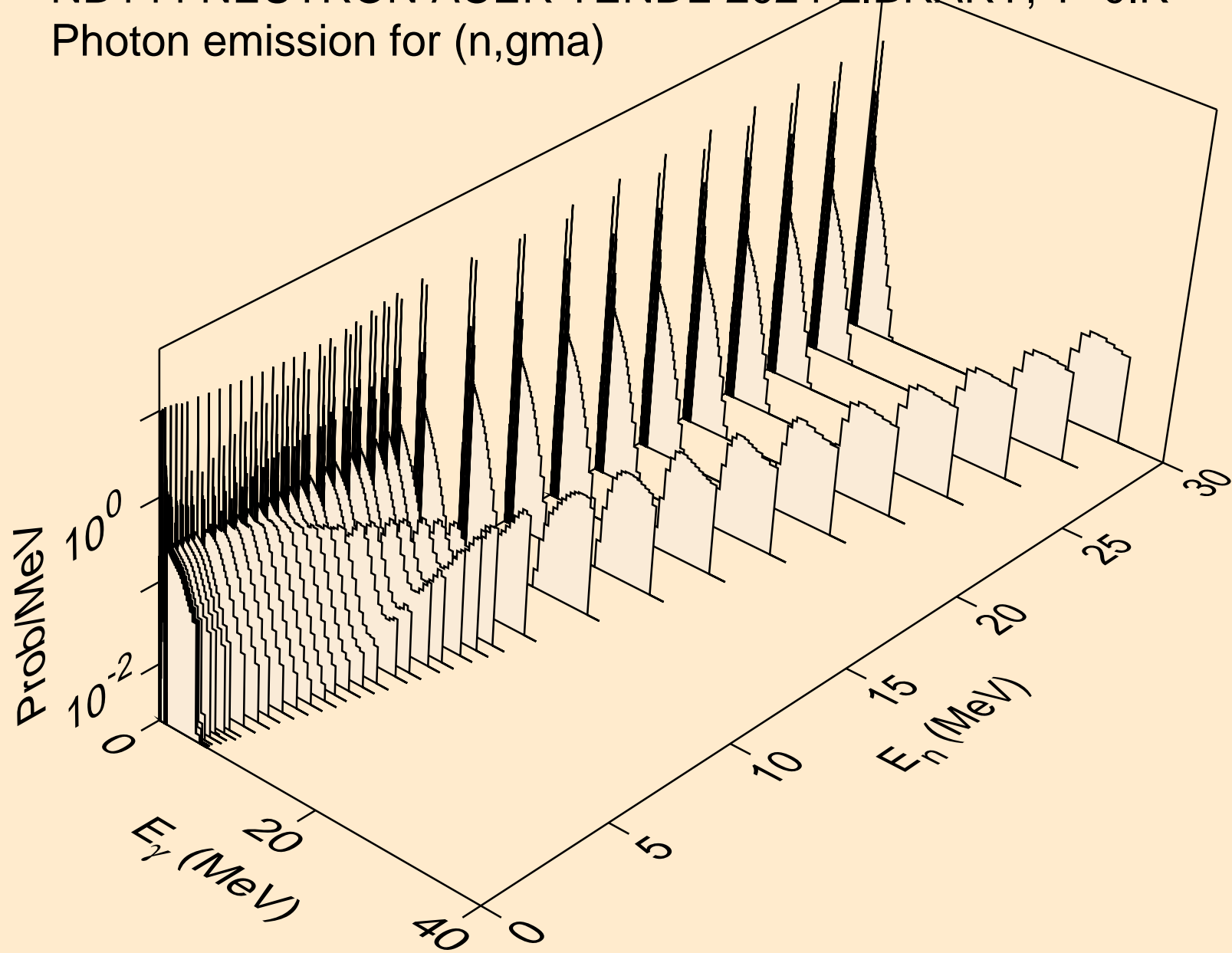


ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)

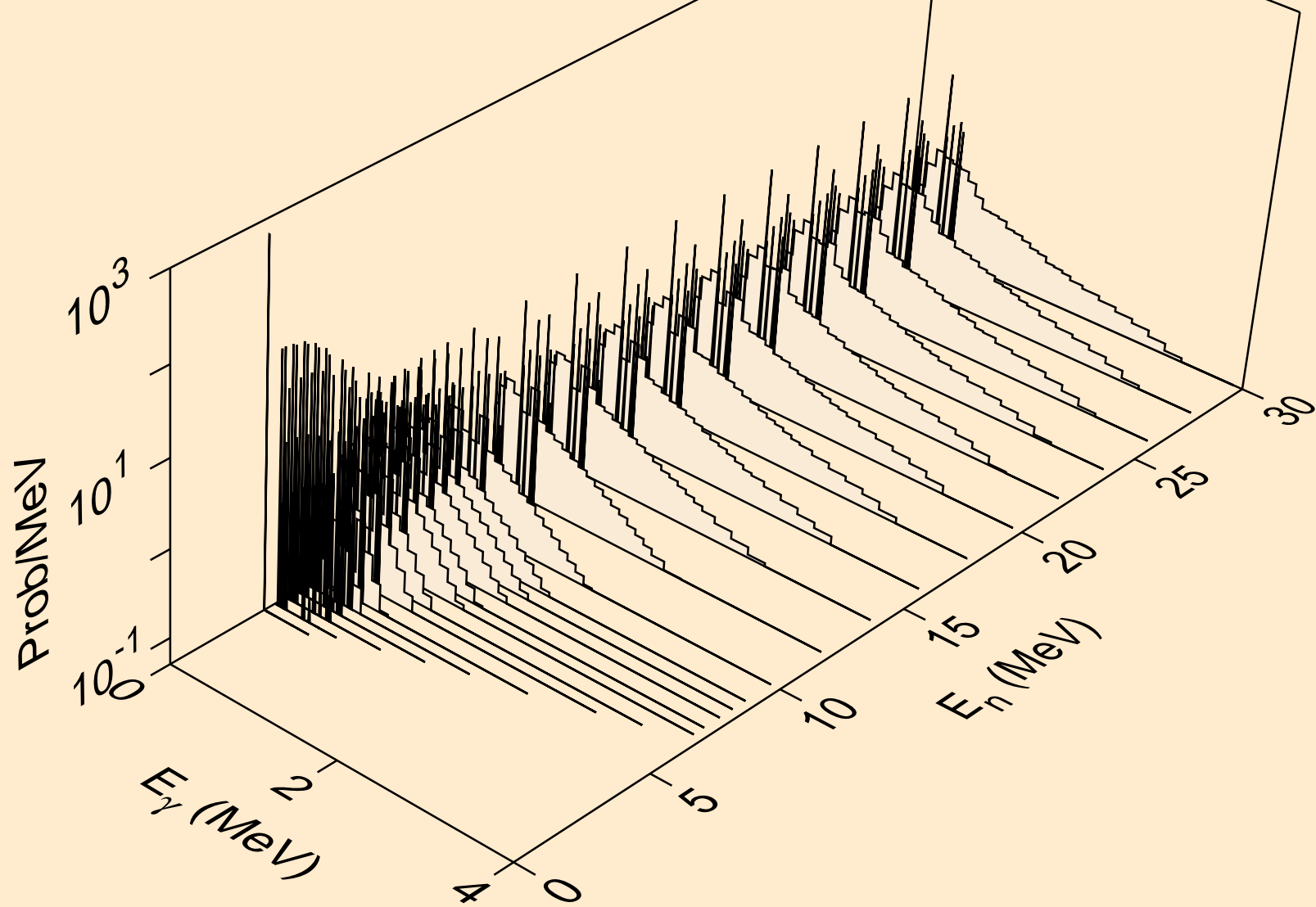




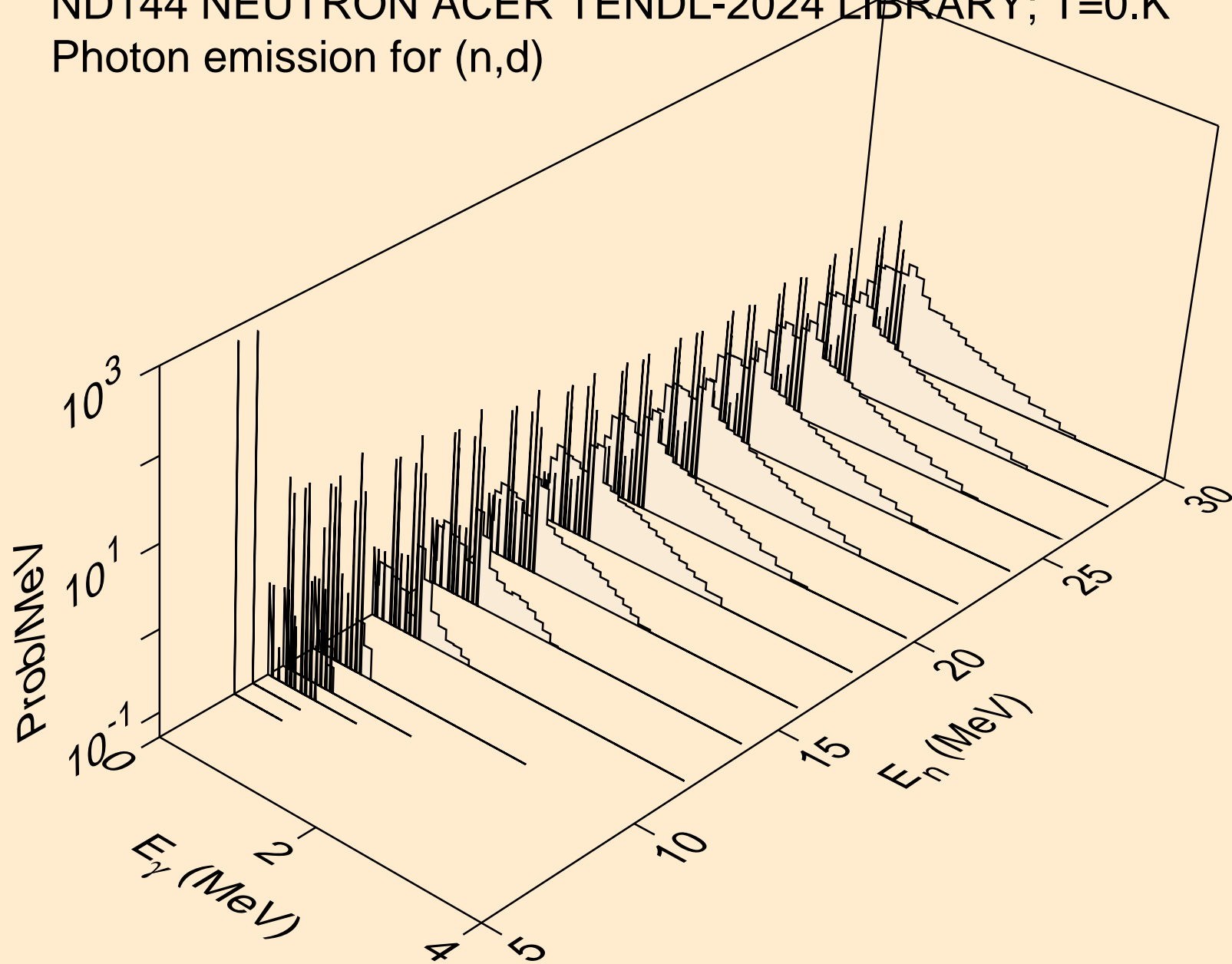
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



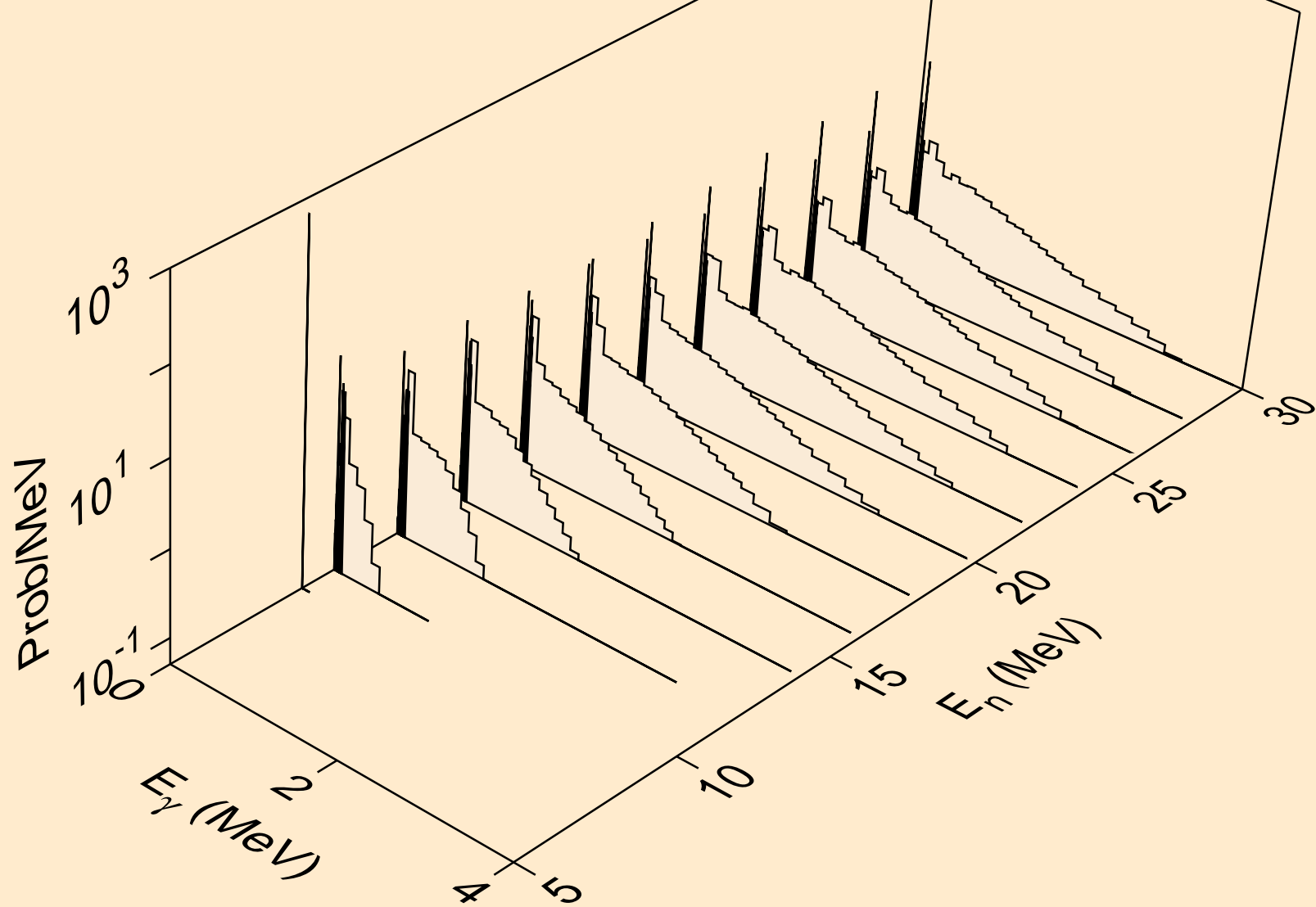
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



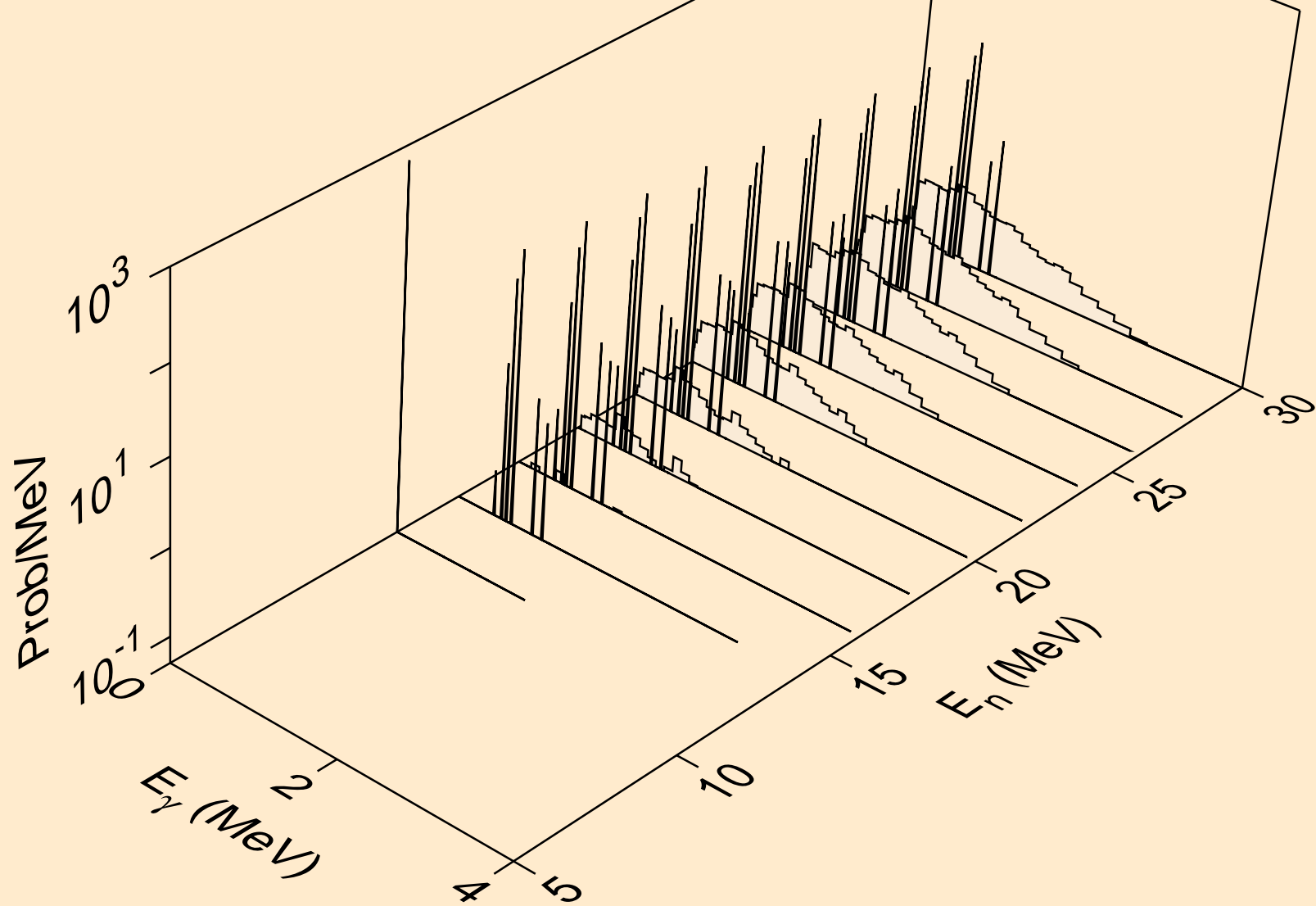
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



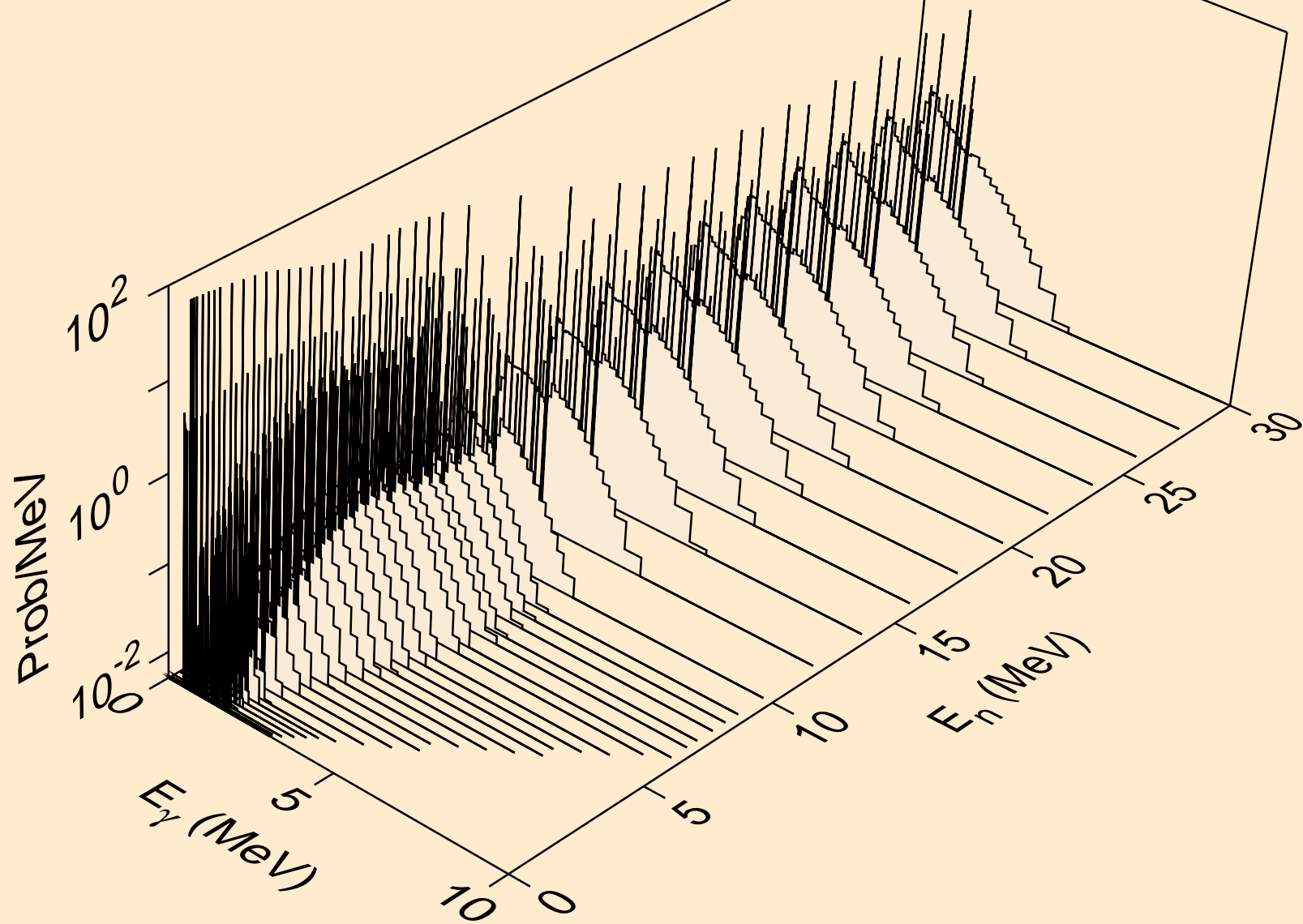
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



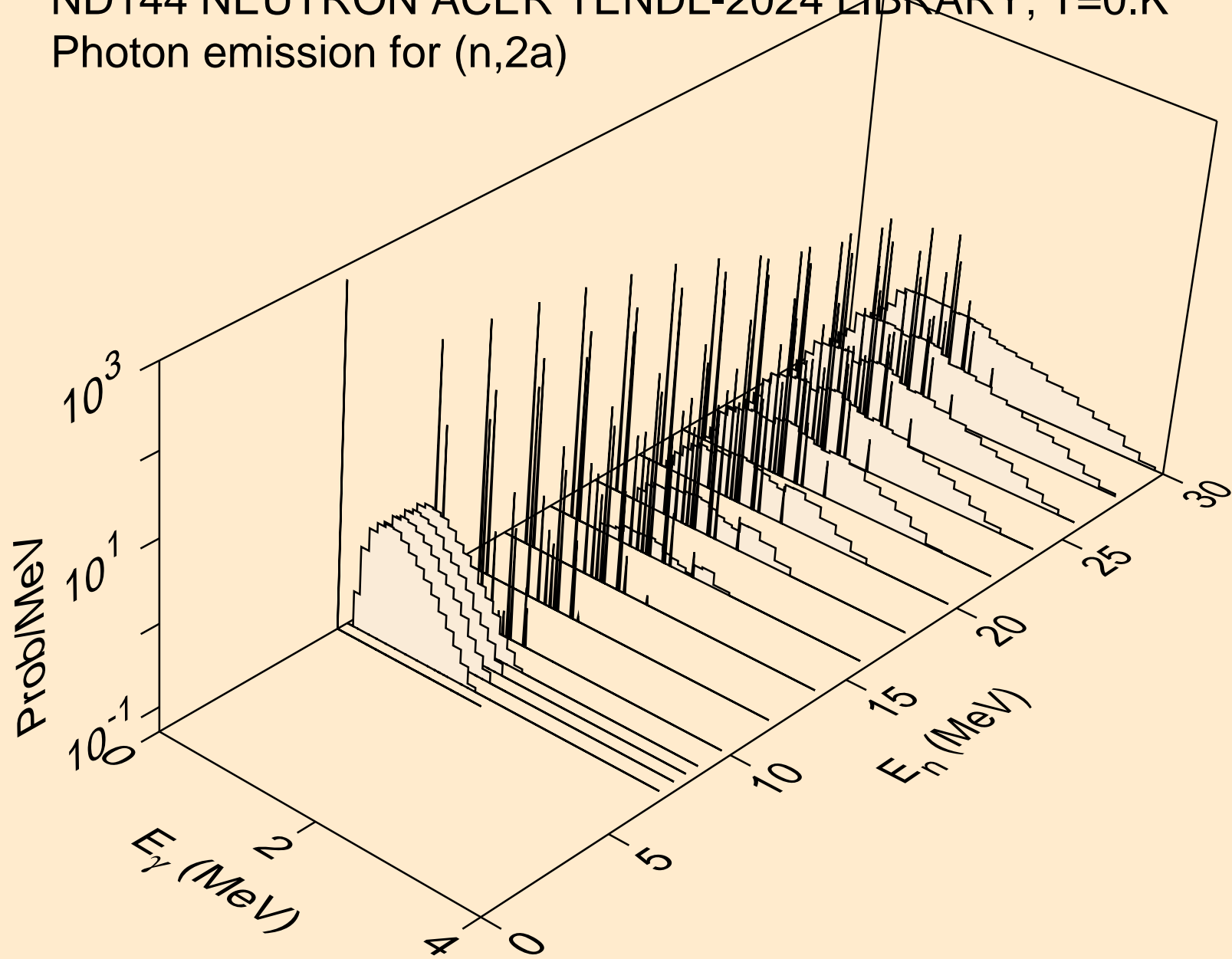
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



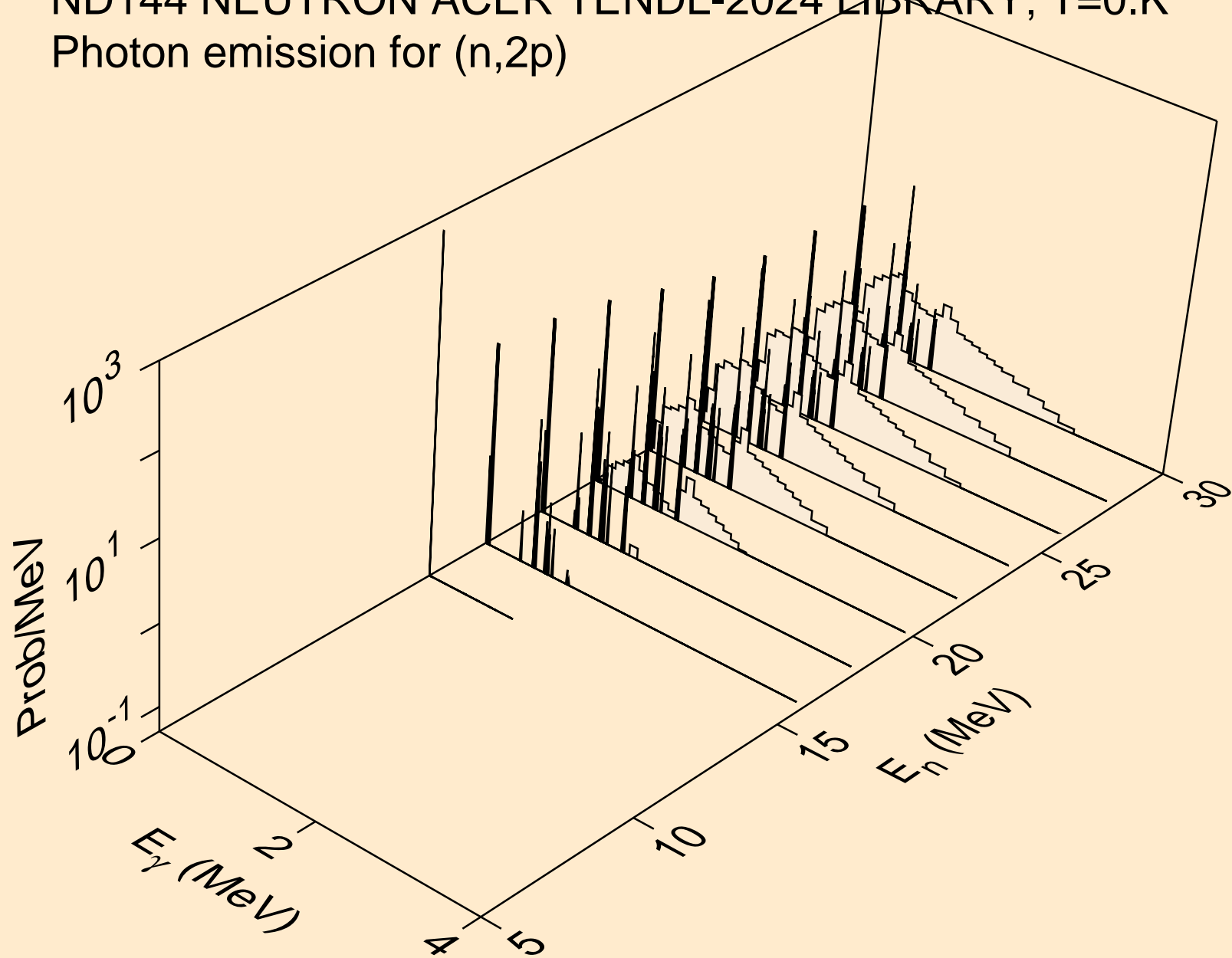
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)

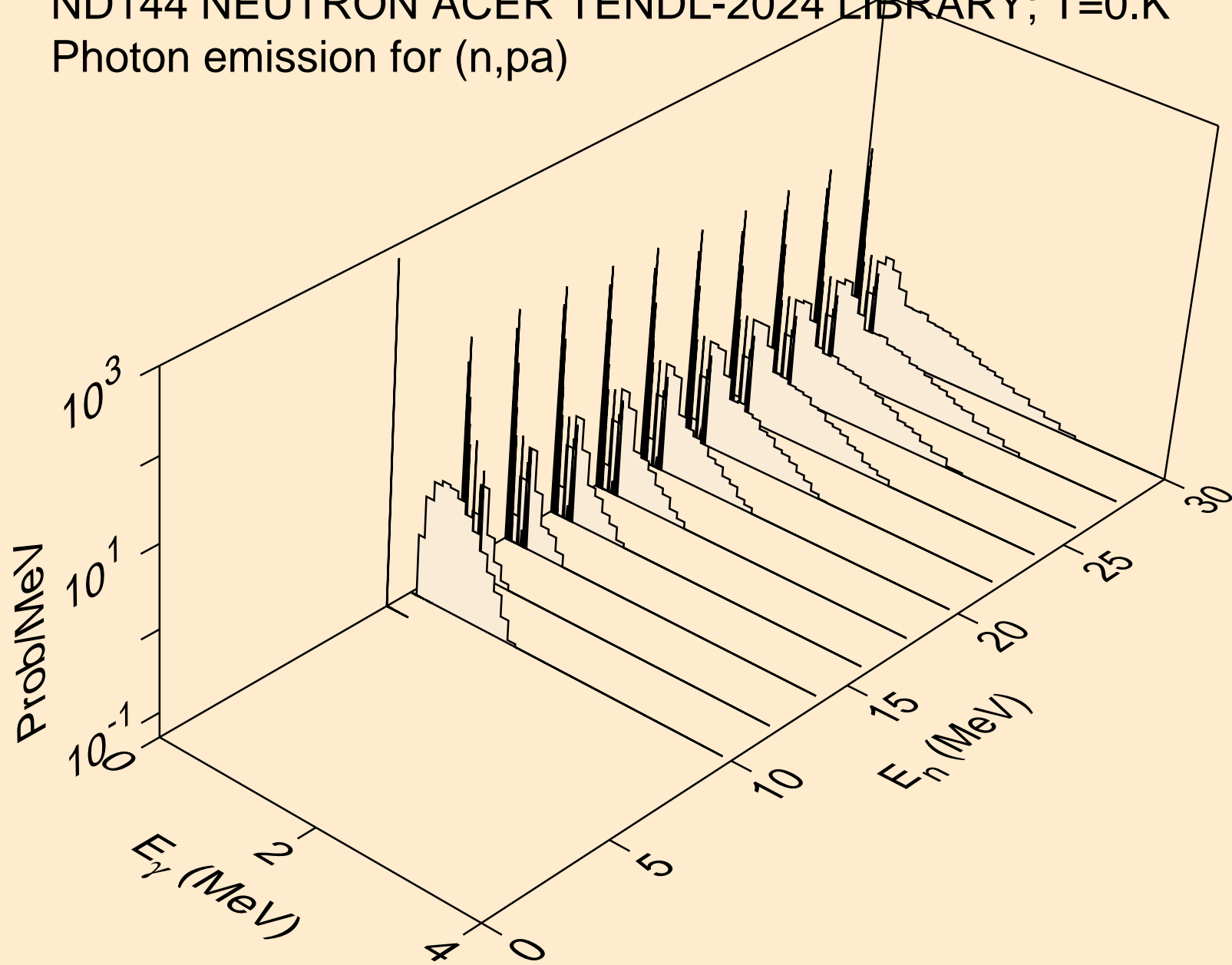


ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)

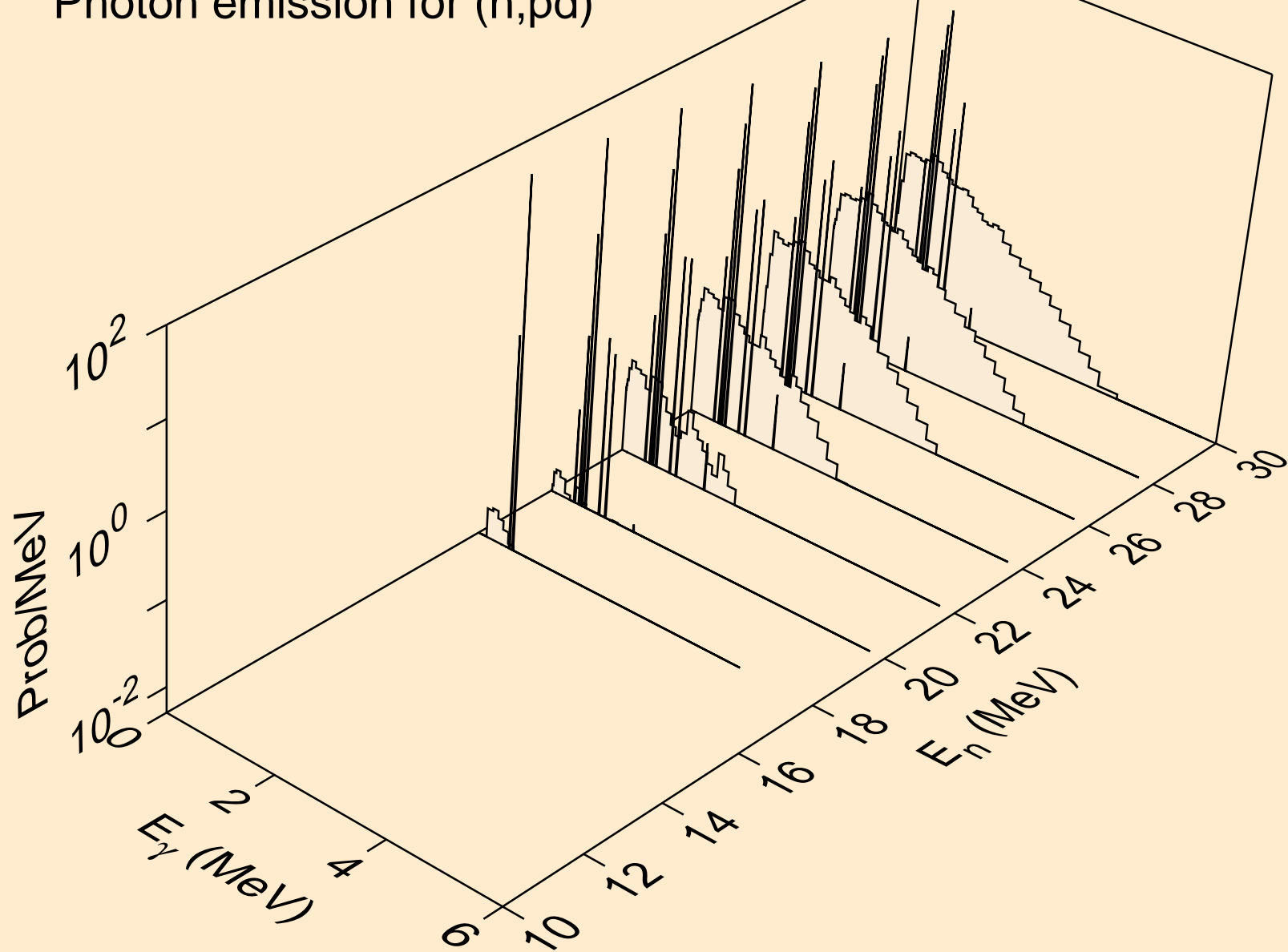




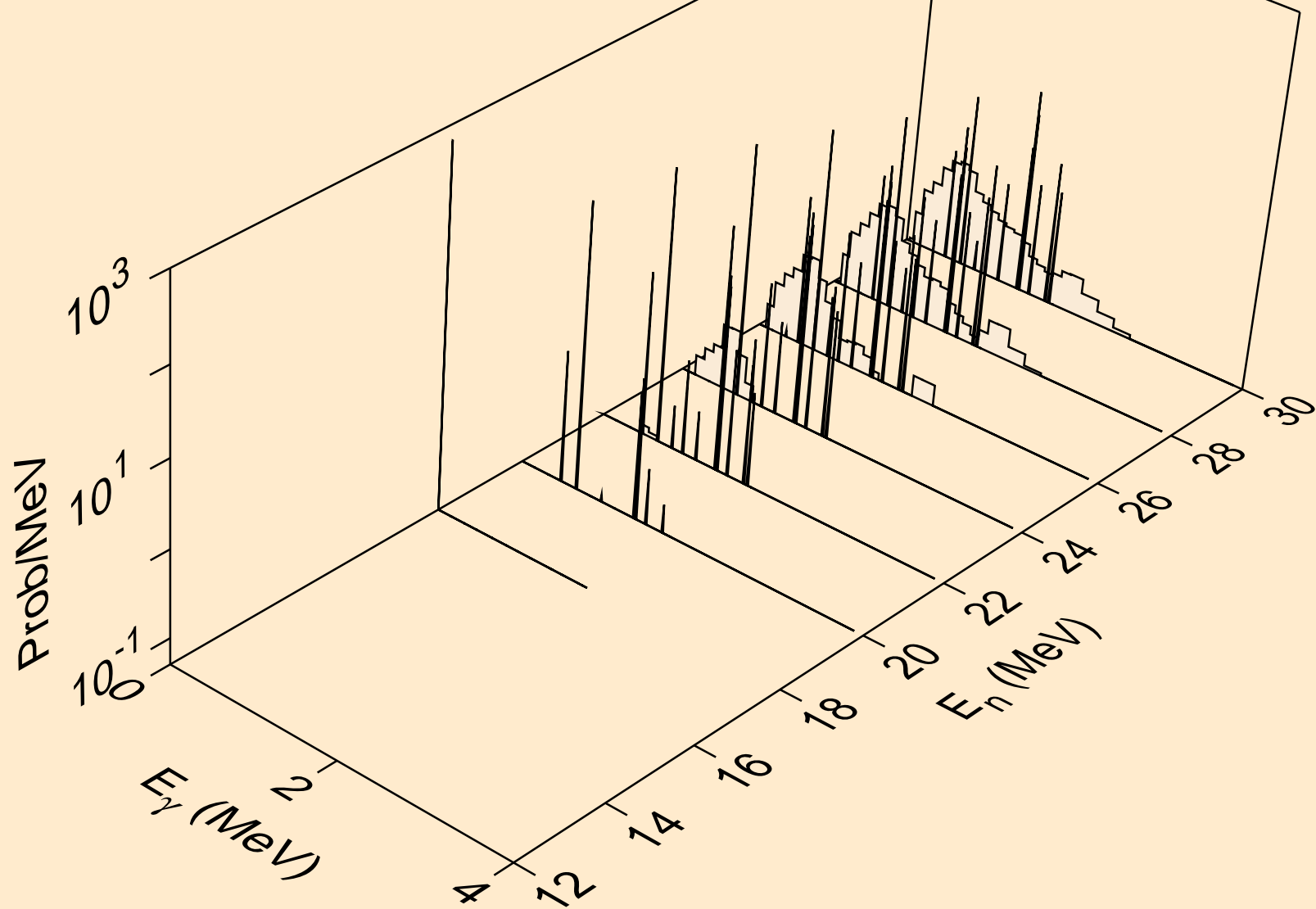
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



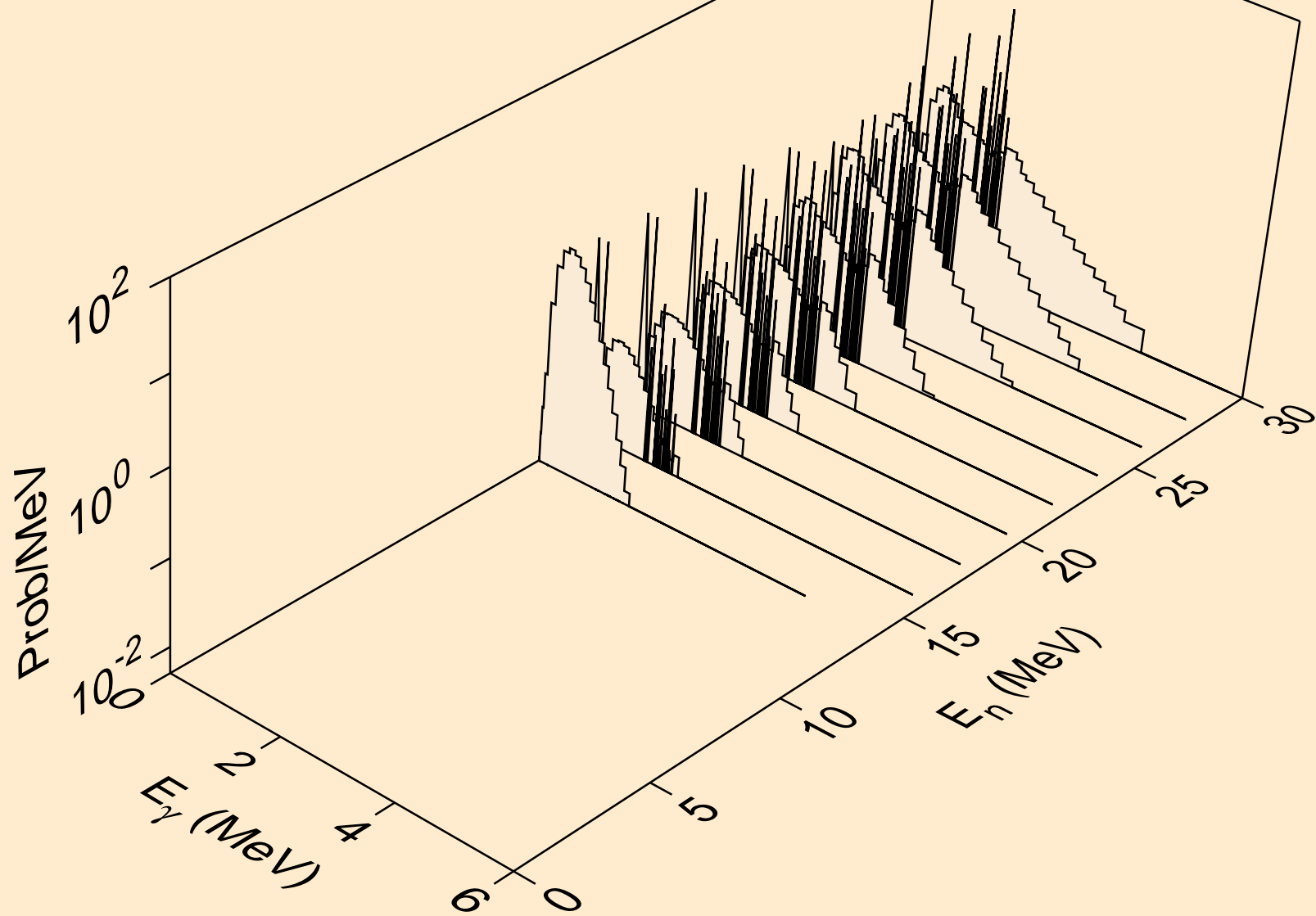
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



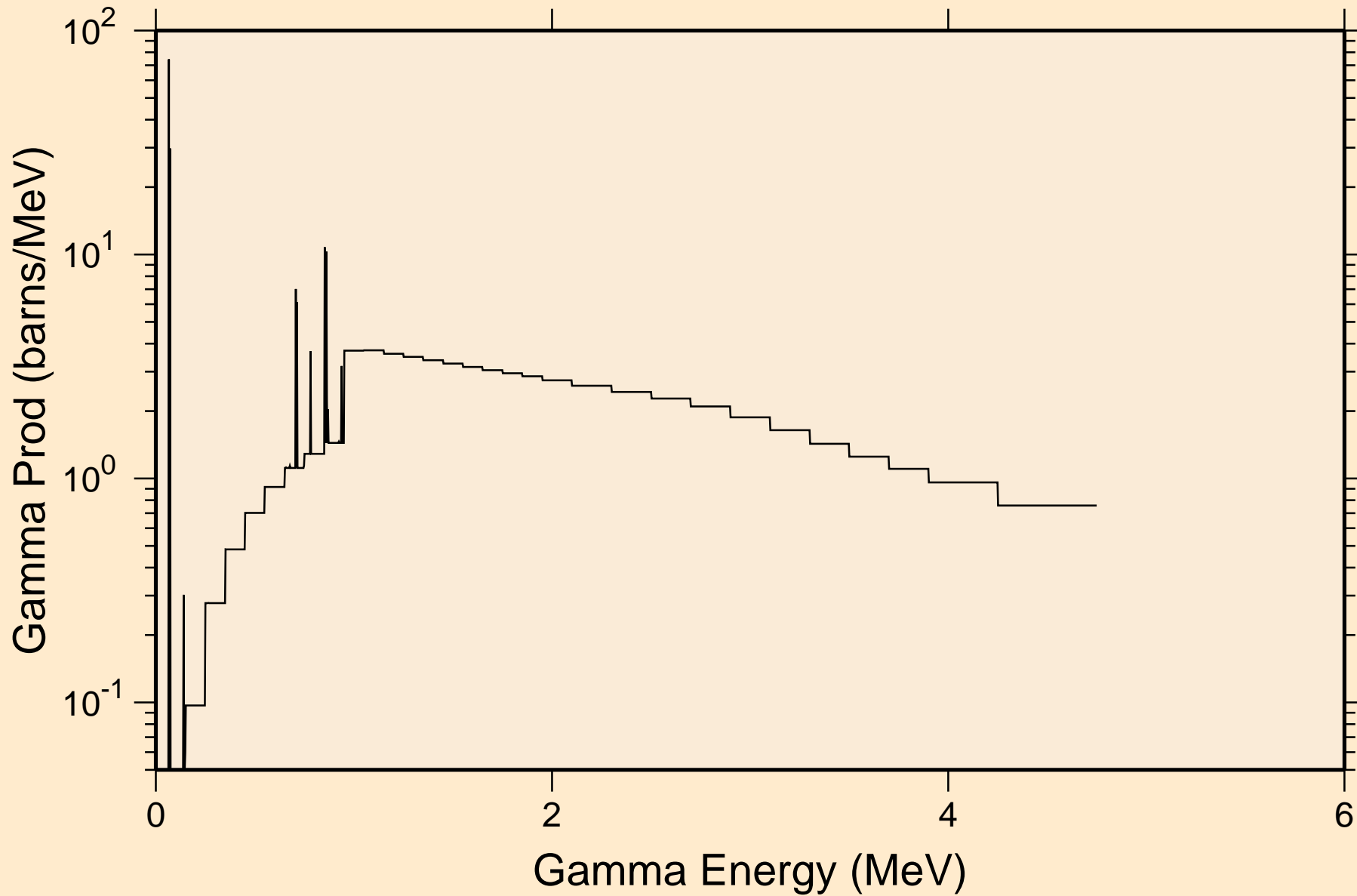
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)



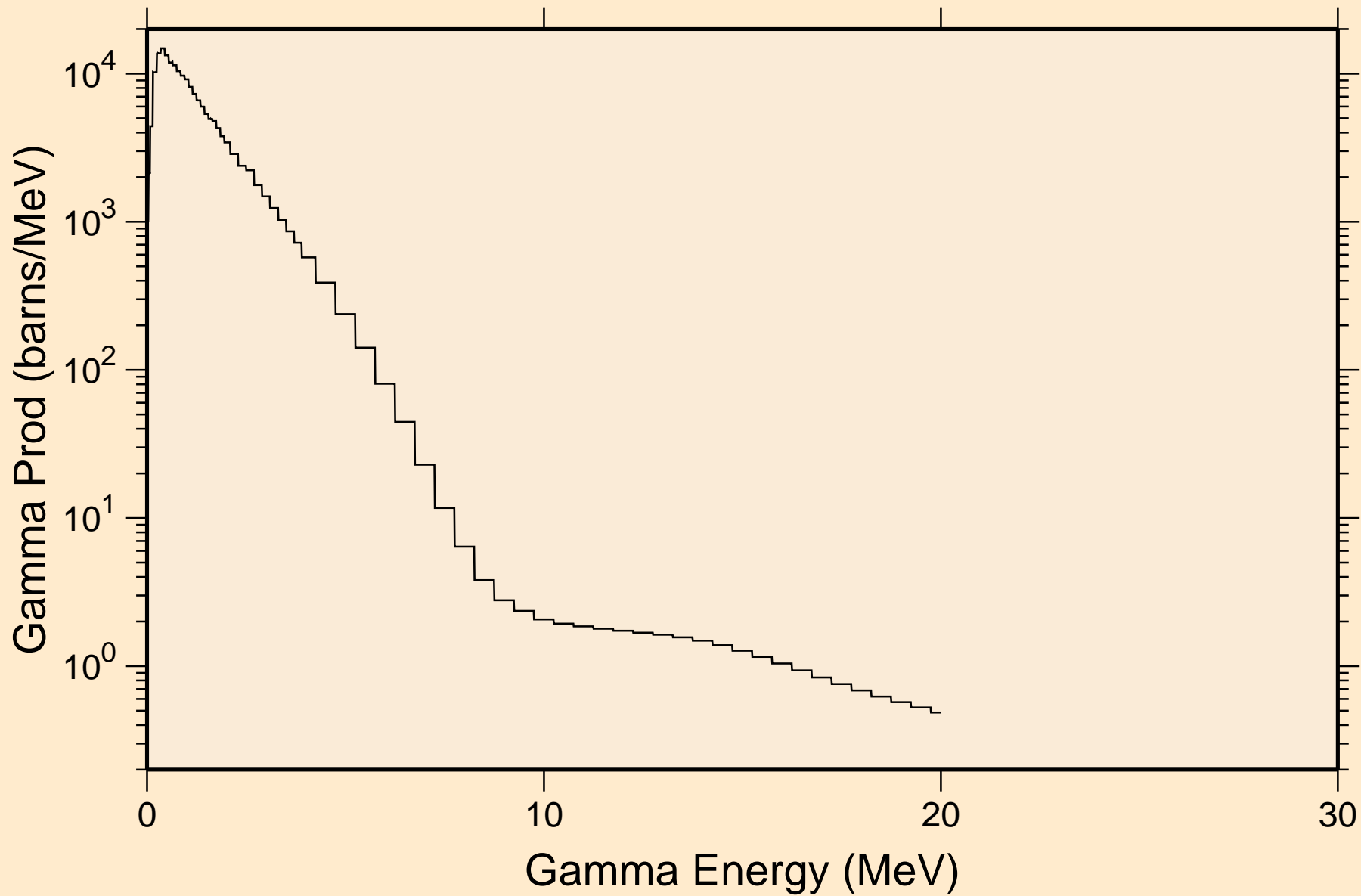
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

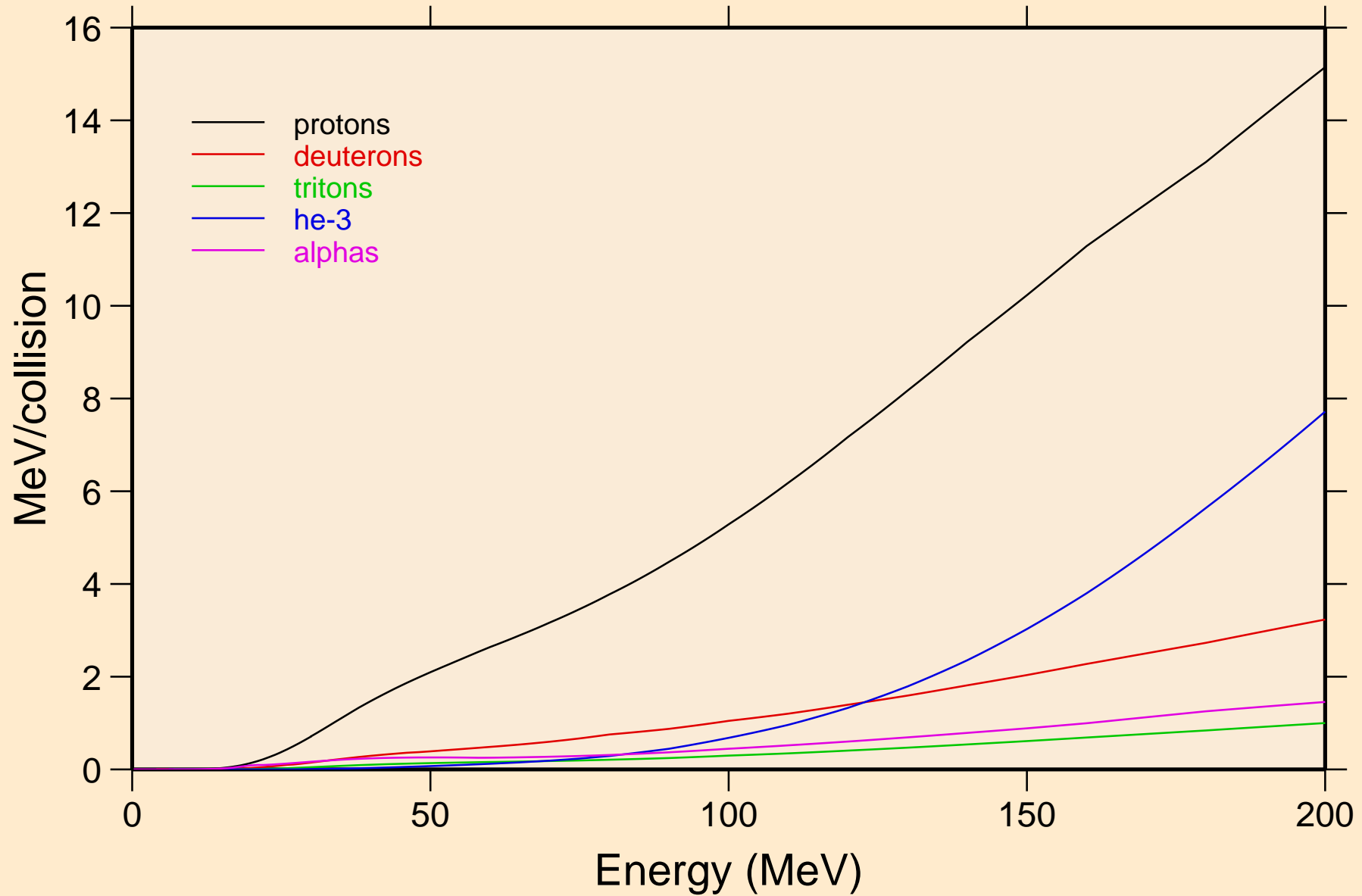


ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum



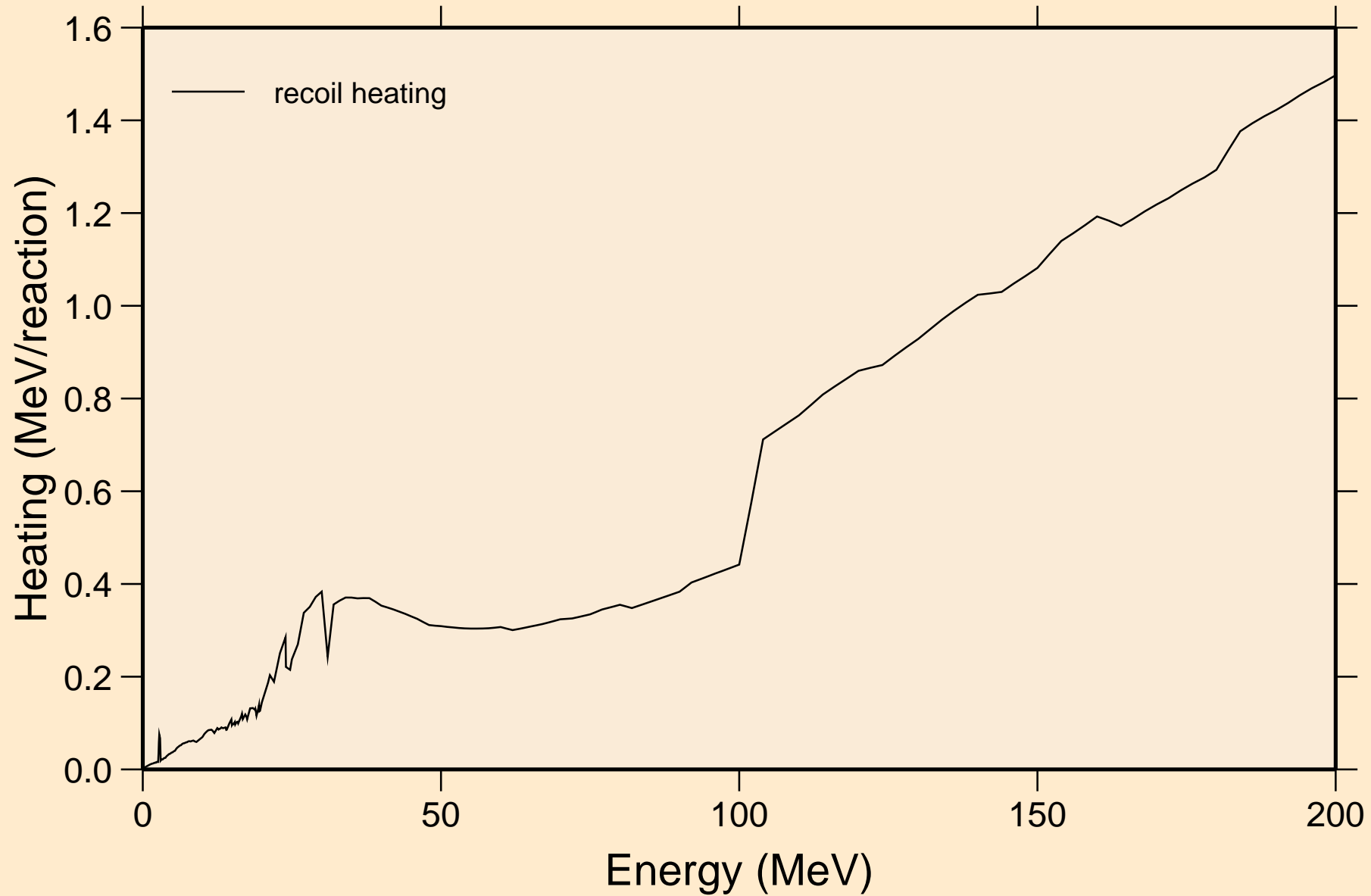
# ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions



# ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

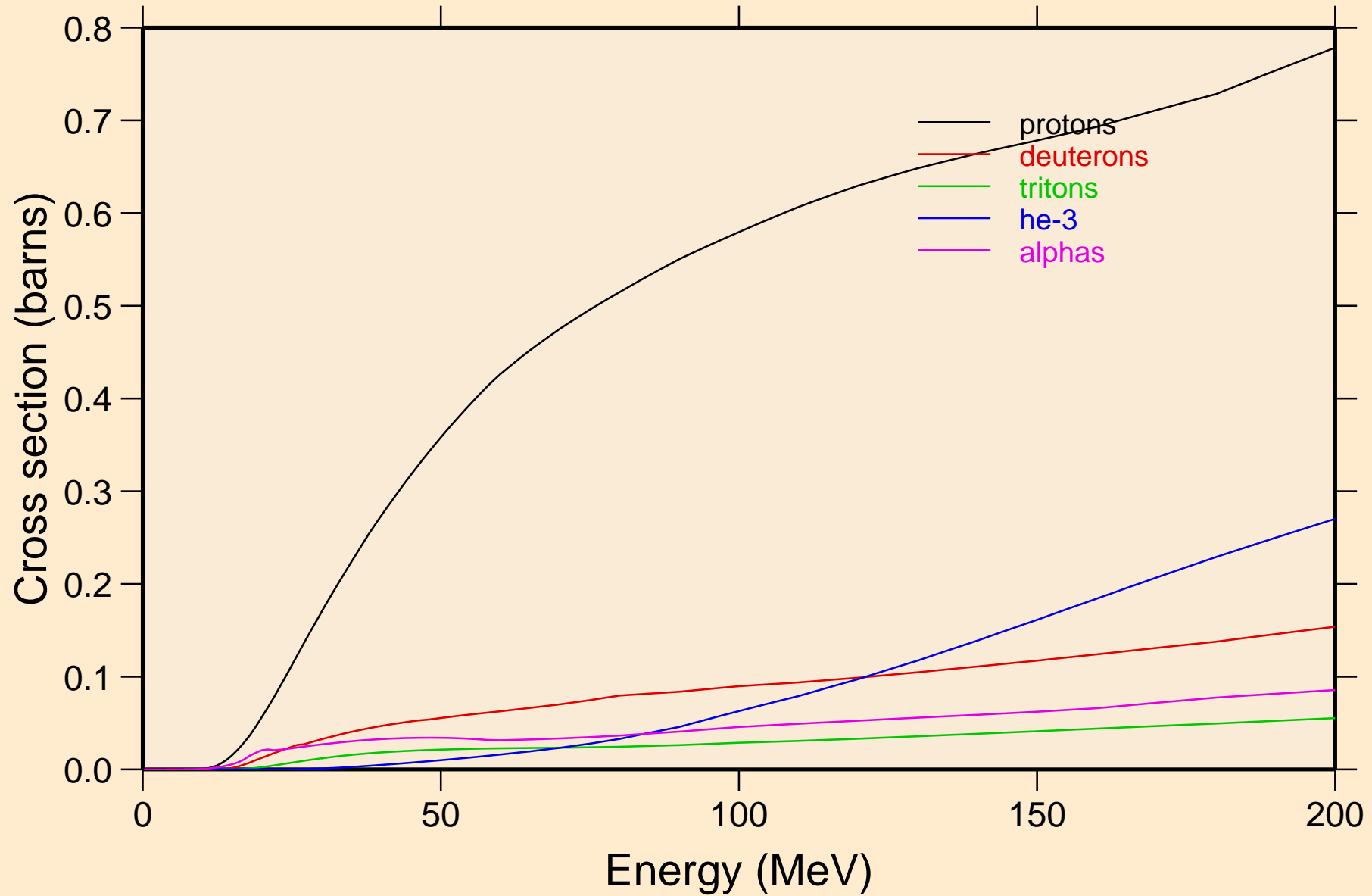
## Recoil Heating



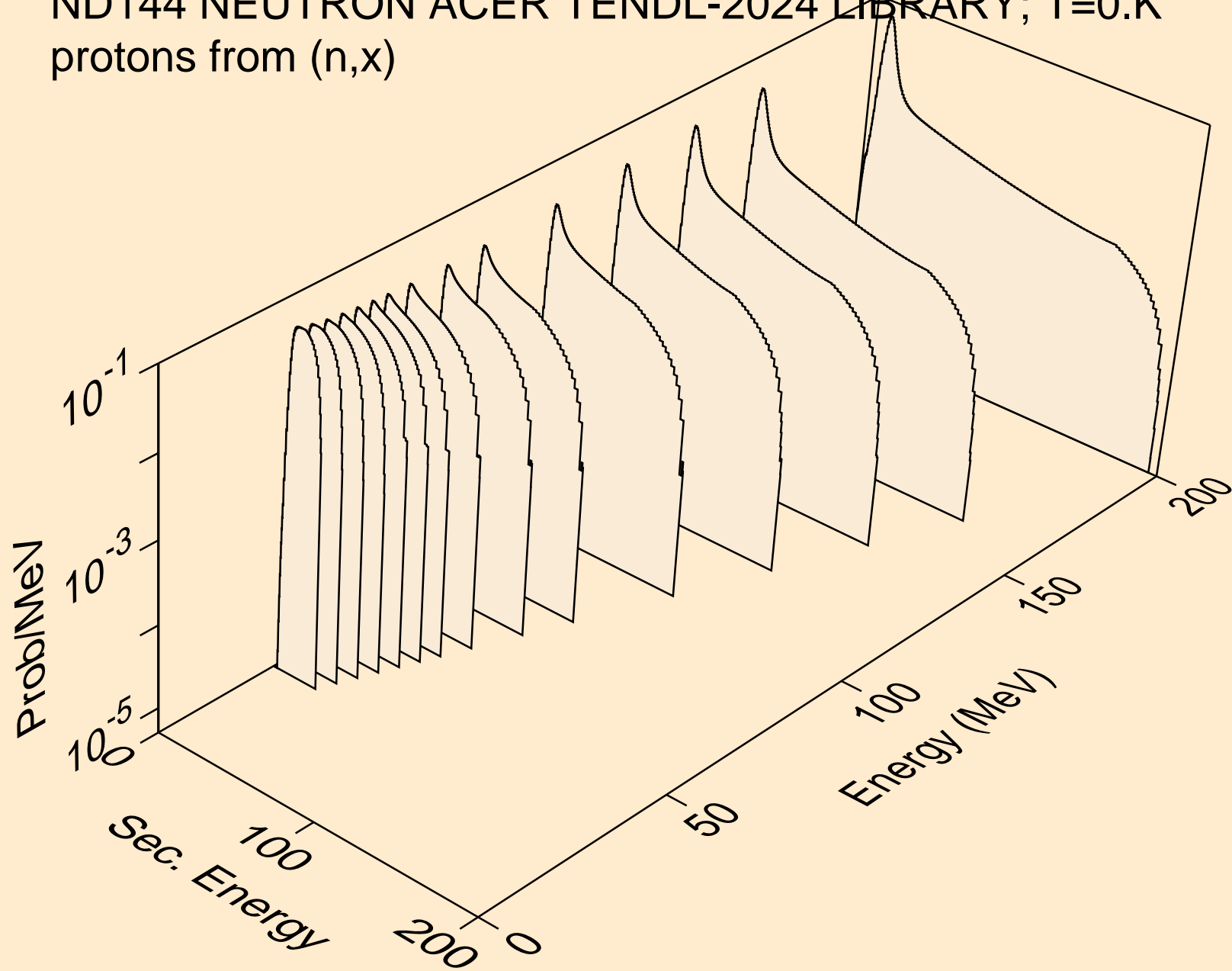


# ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

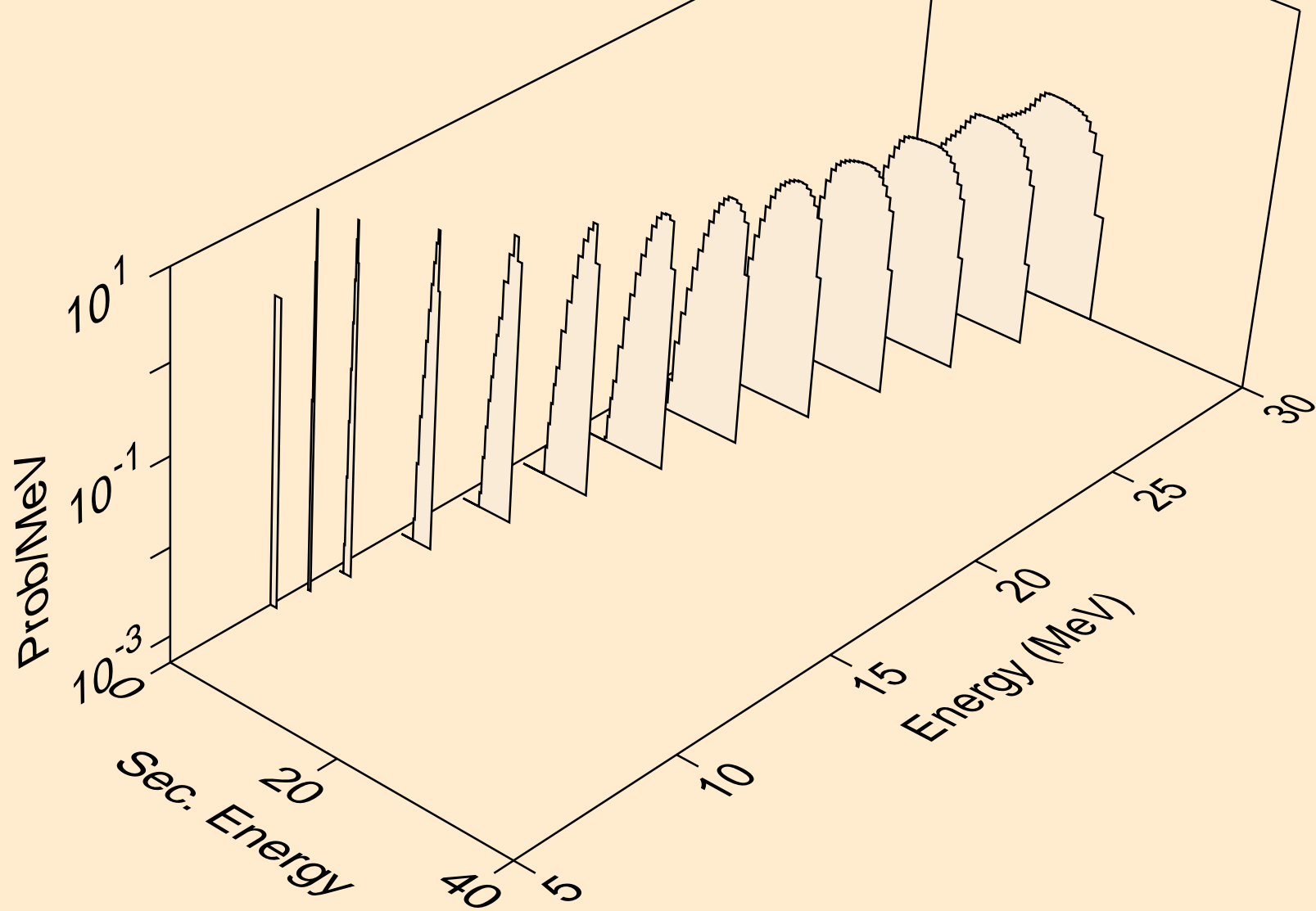
## Particle production cross sections



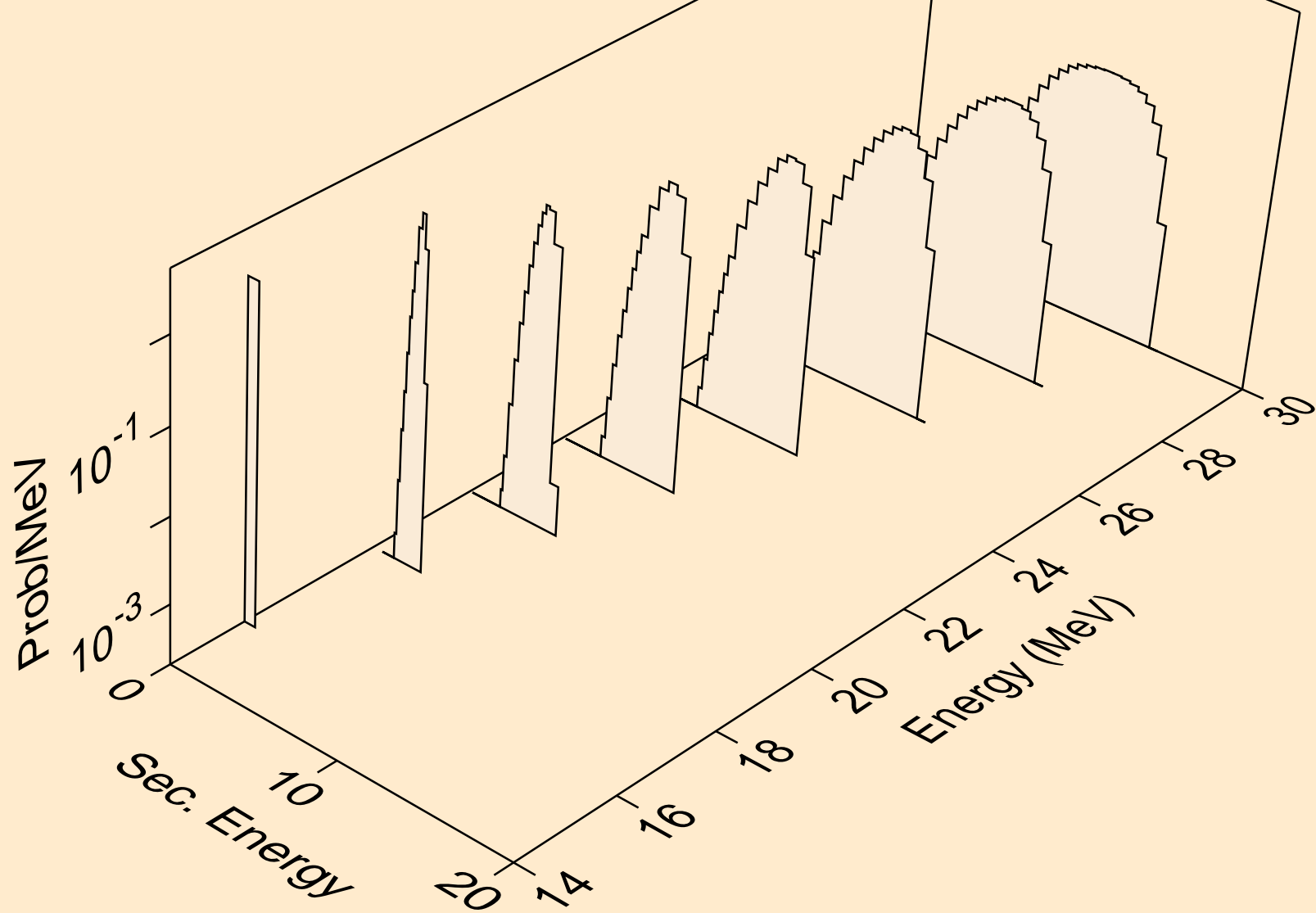
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



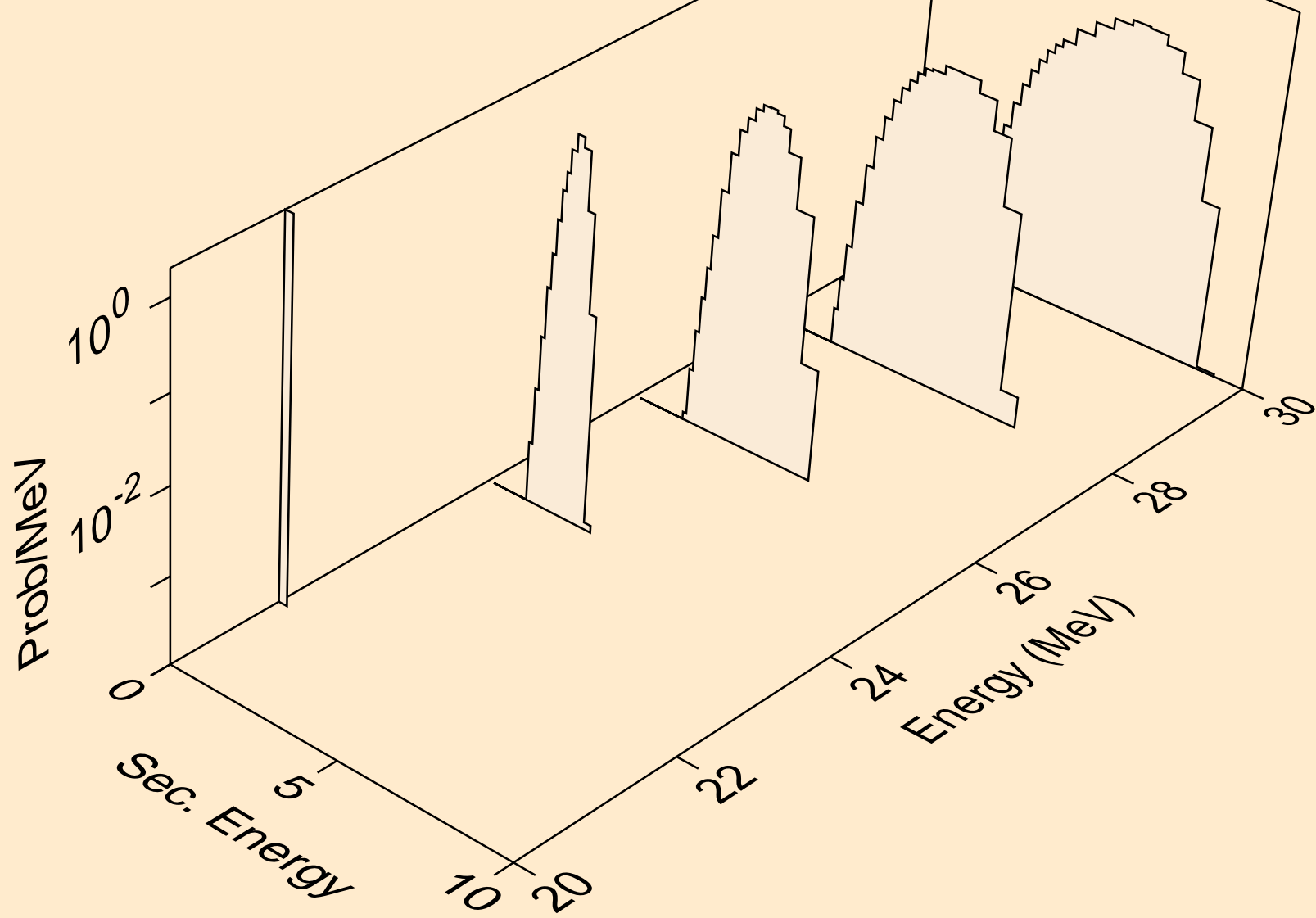
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



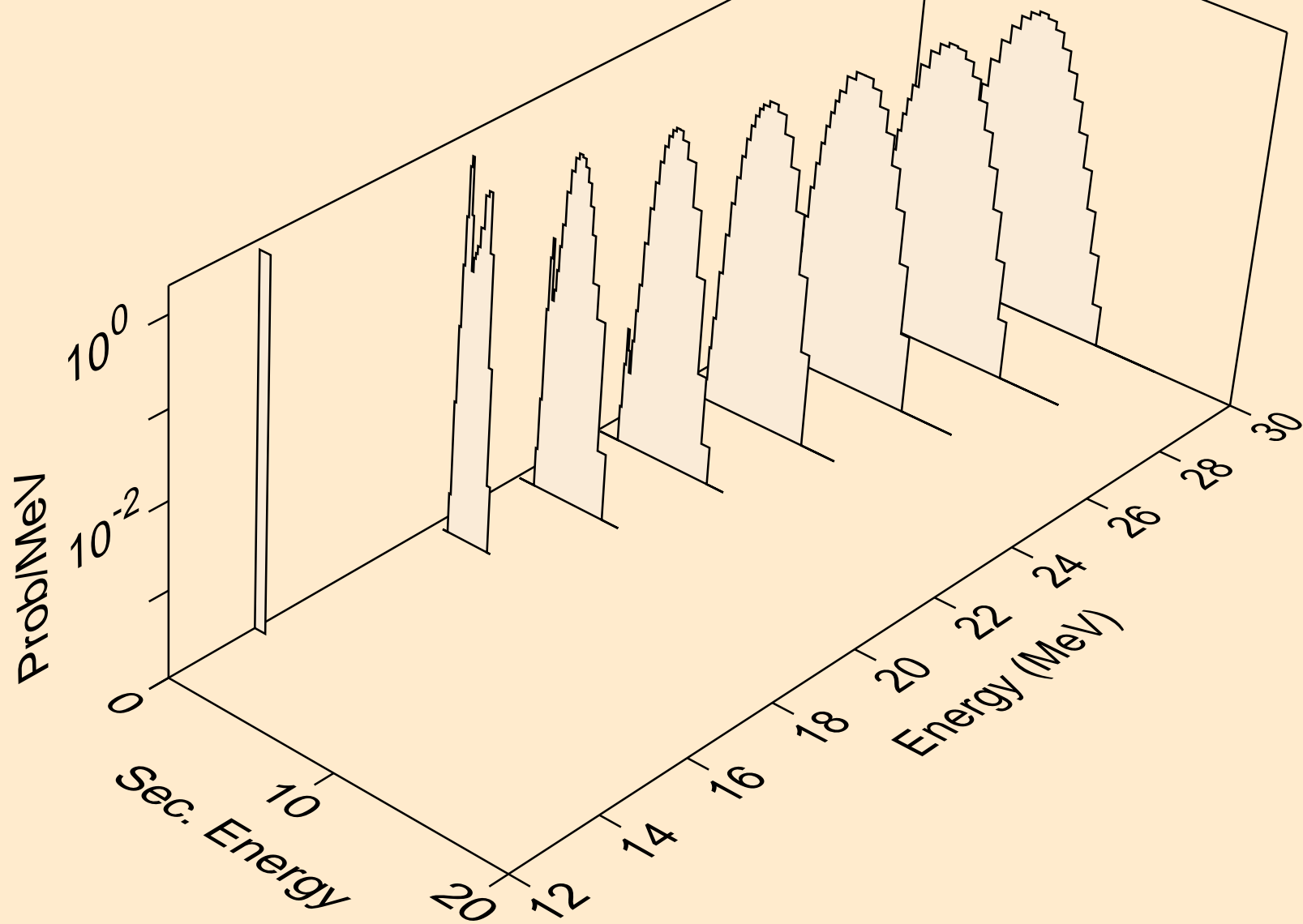
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)



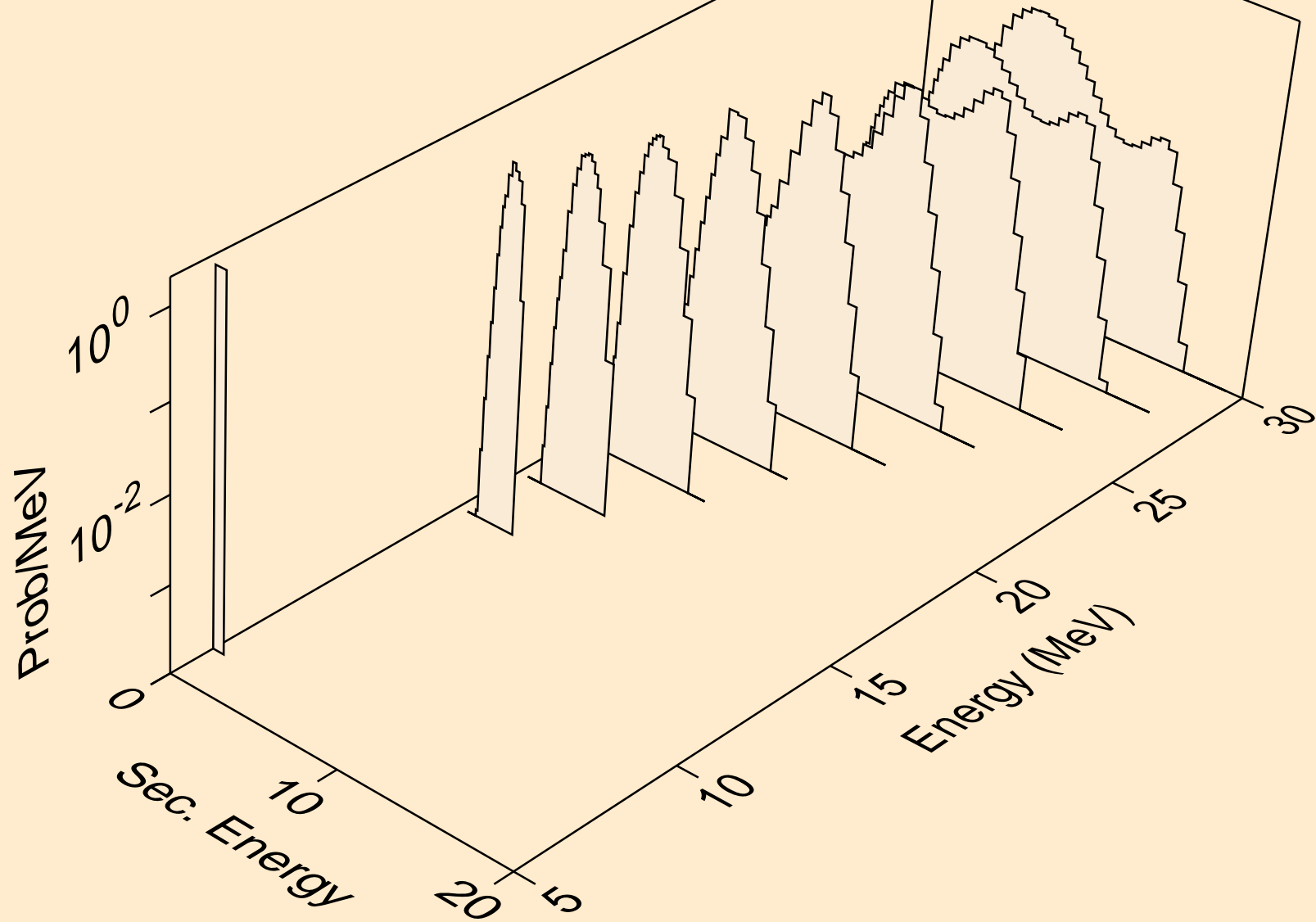
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)



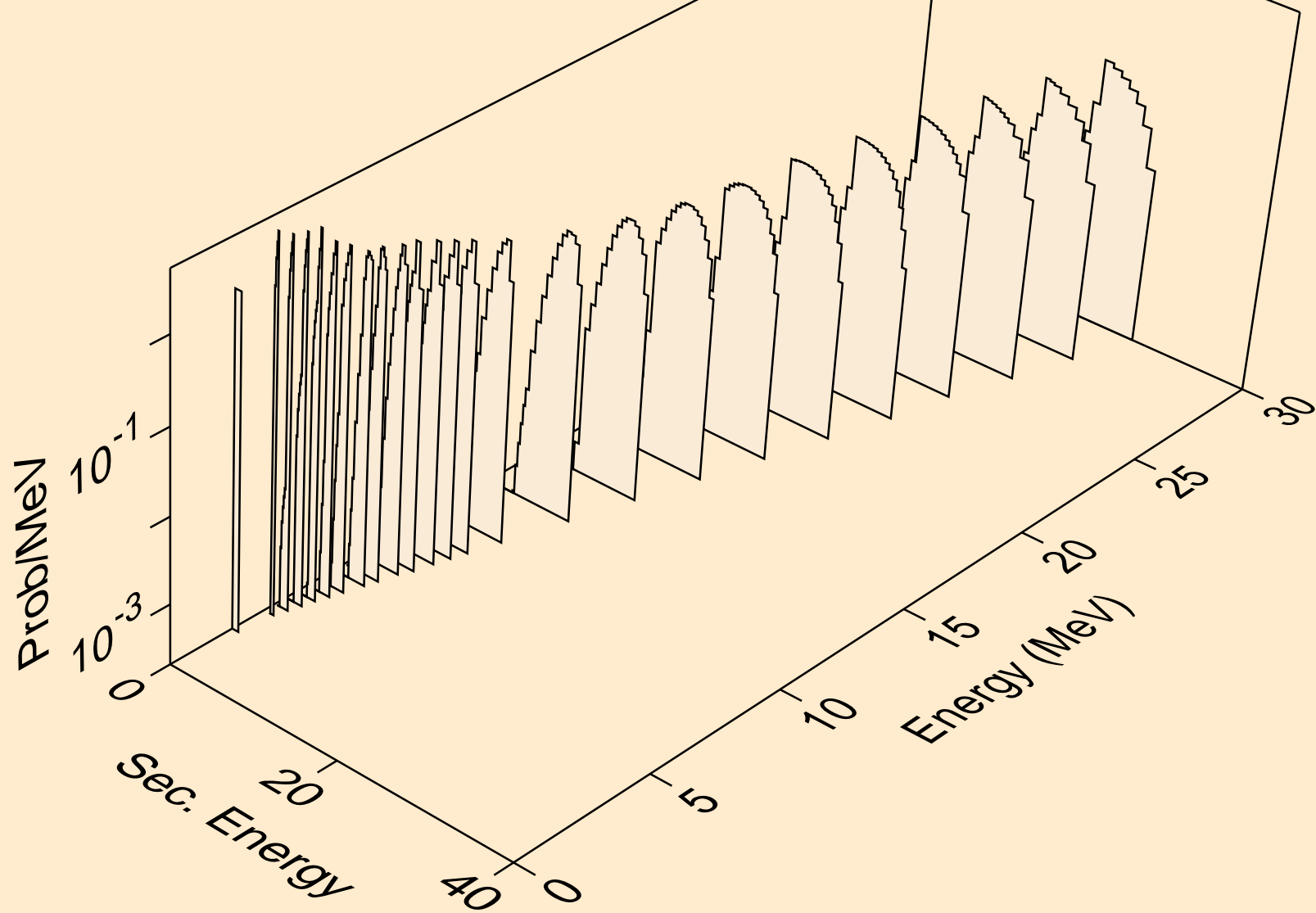
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n2p)



ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,npa)

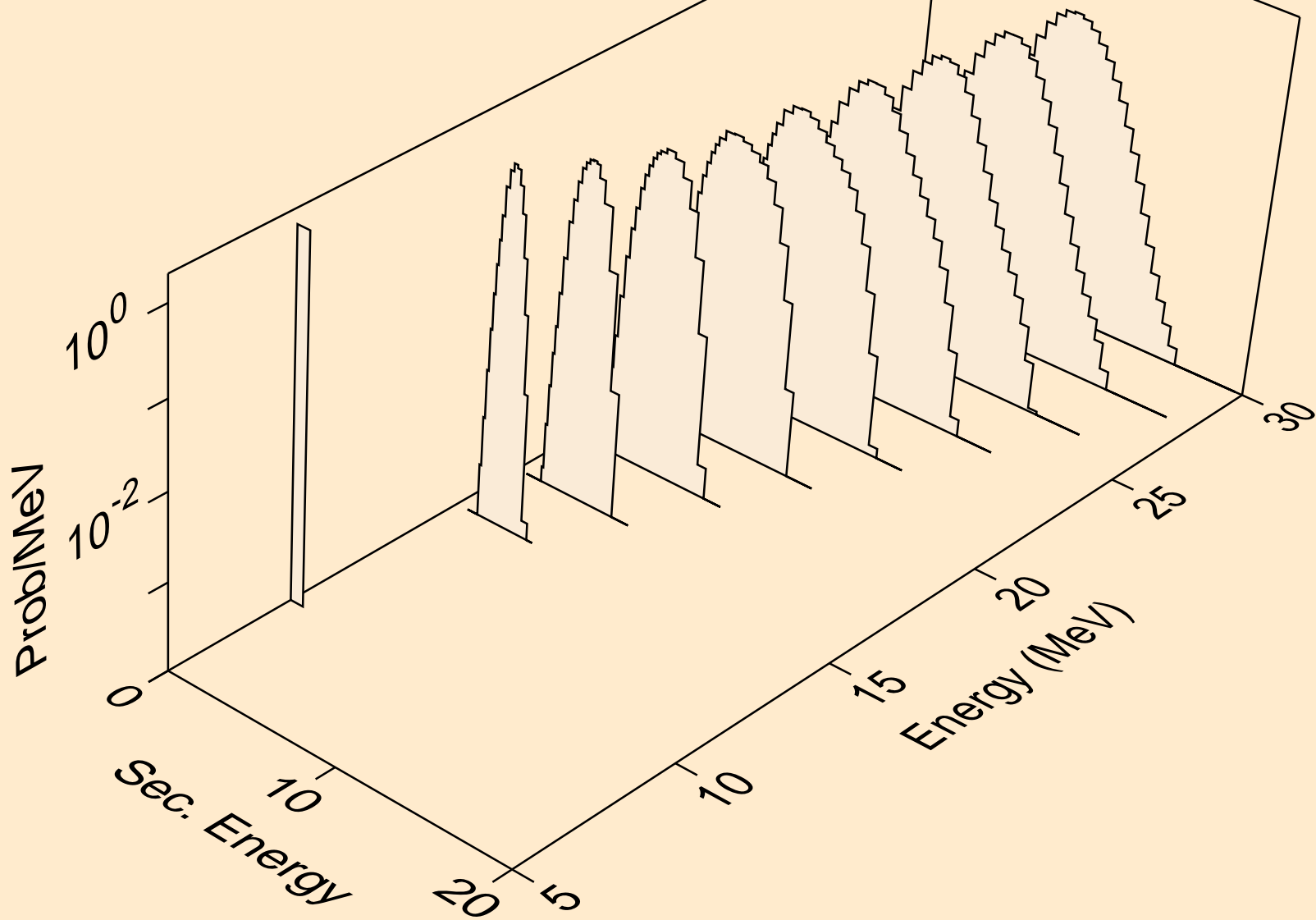


ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)

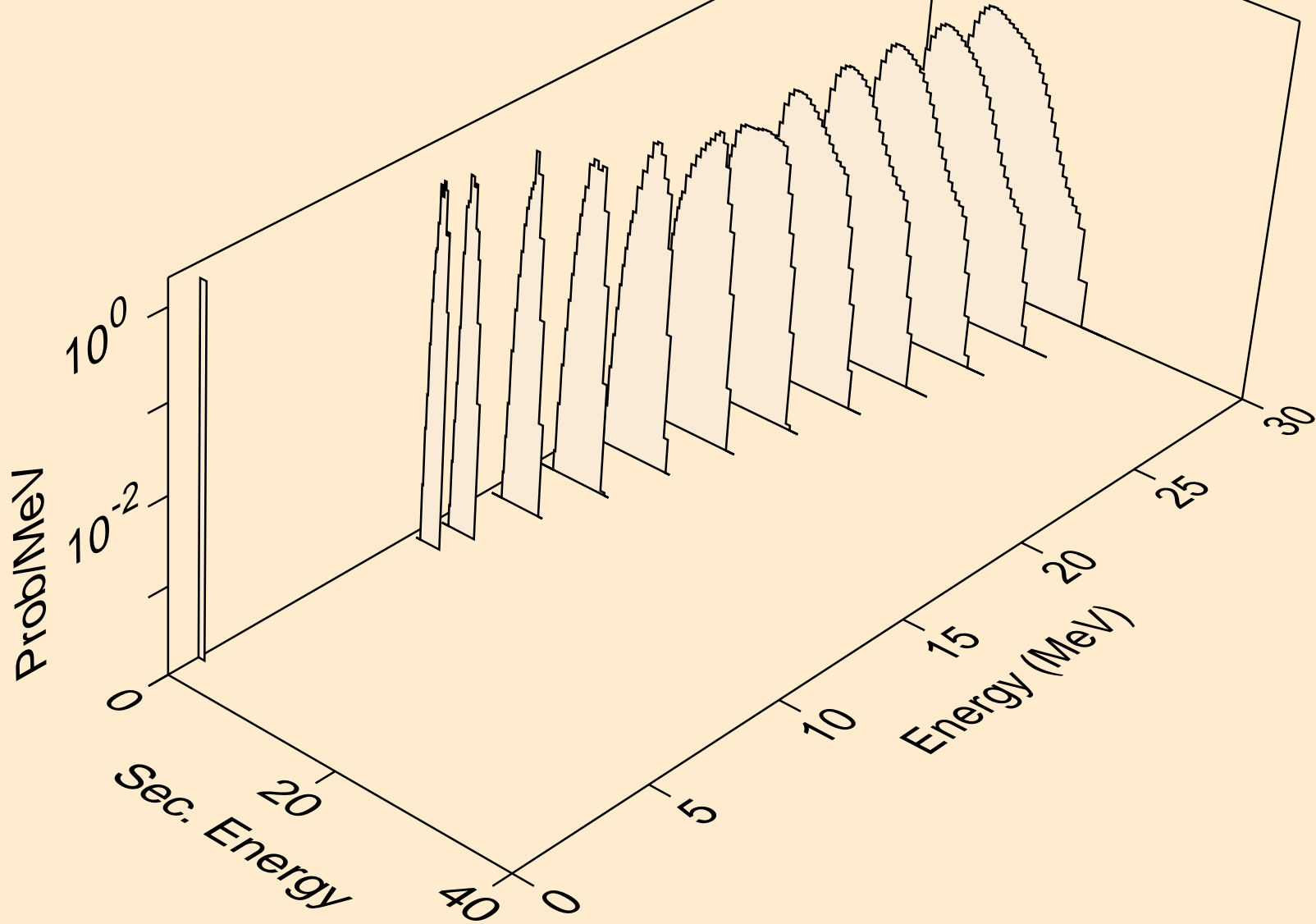




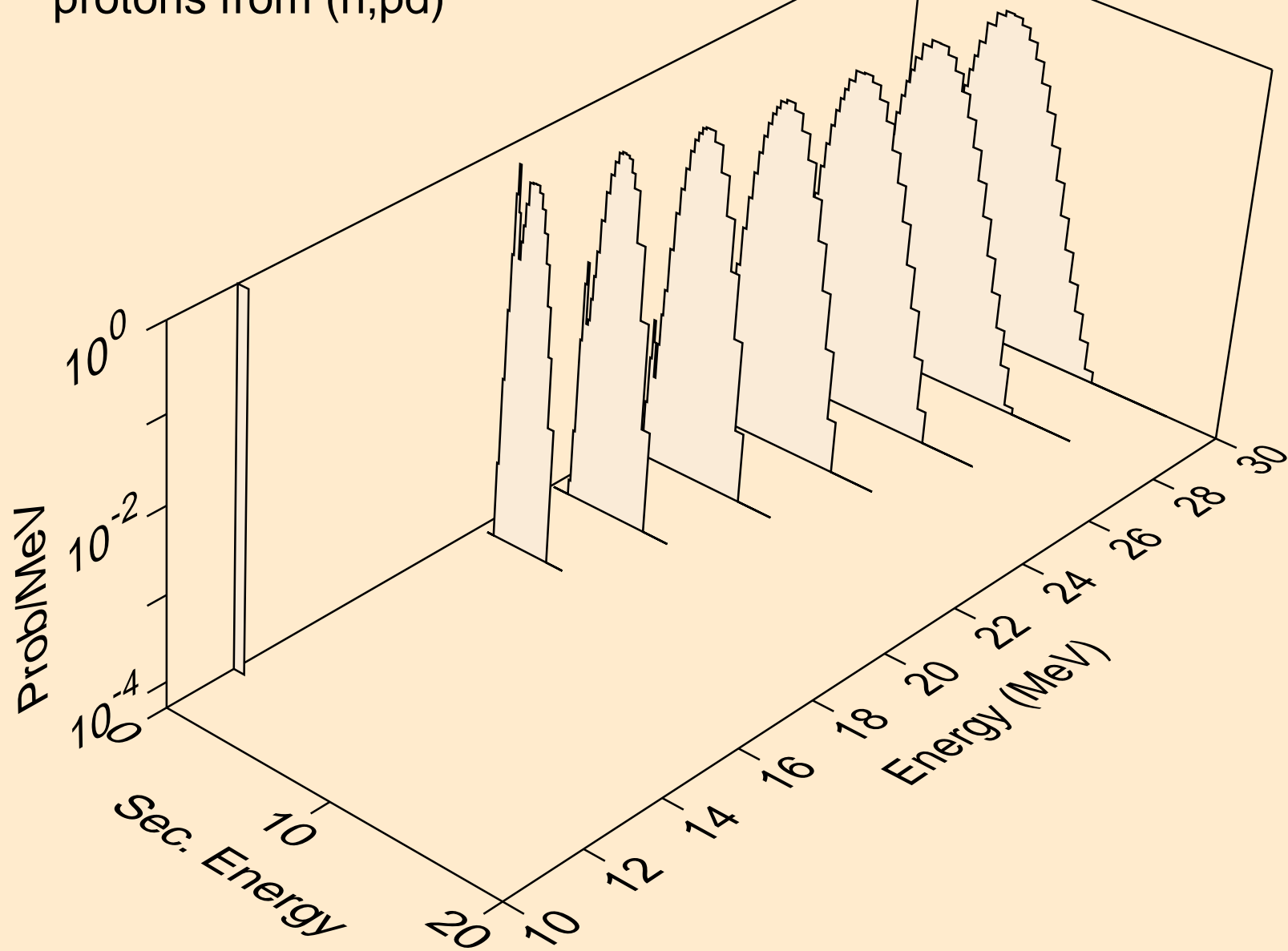
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2p)



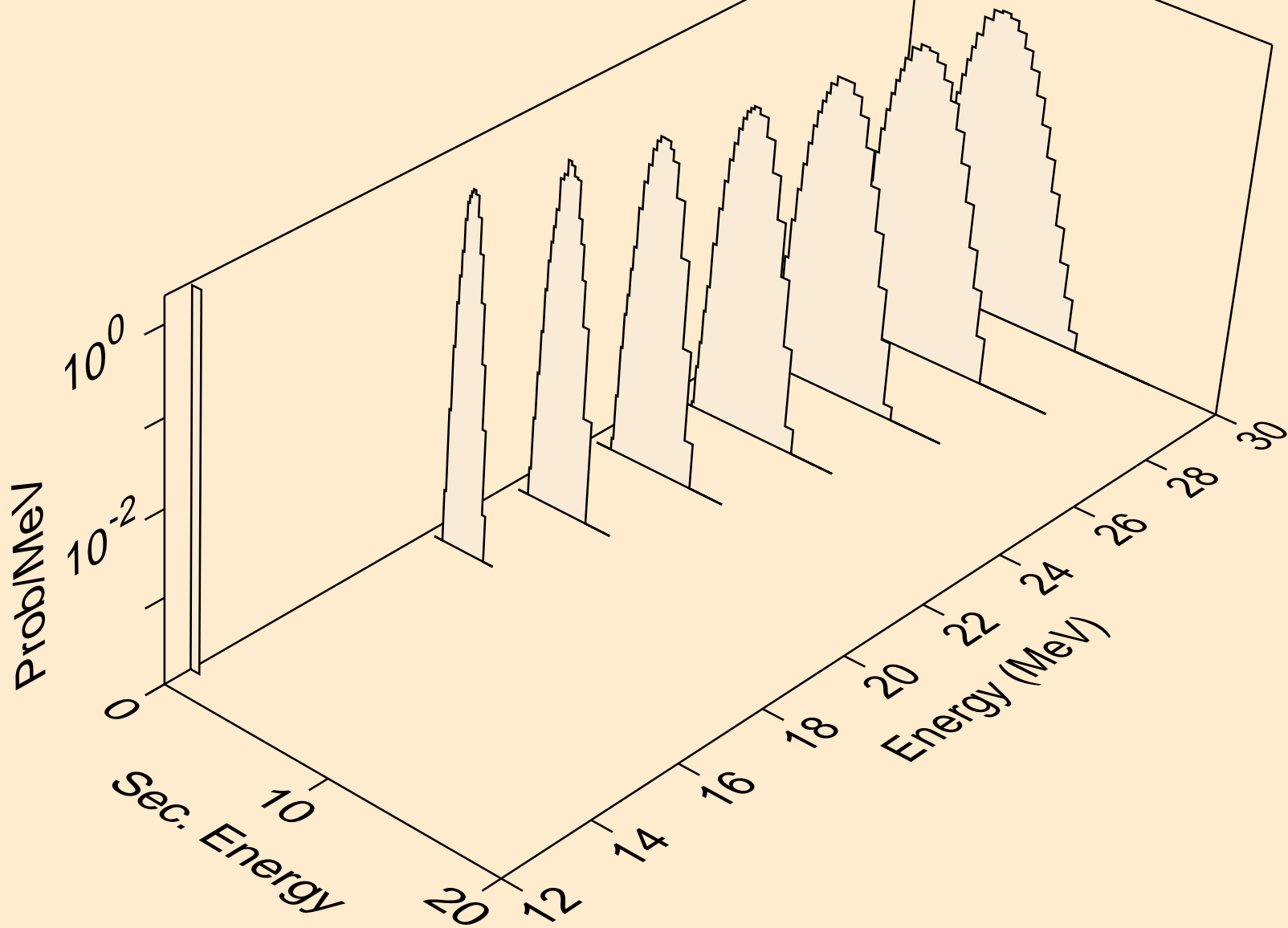
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)



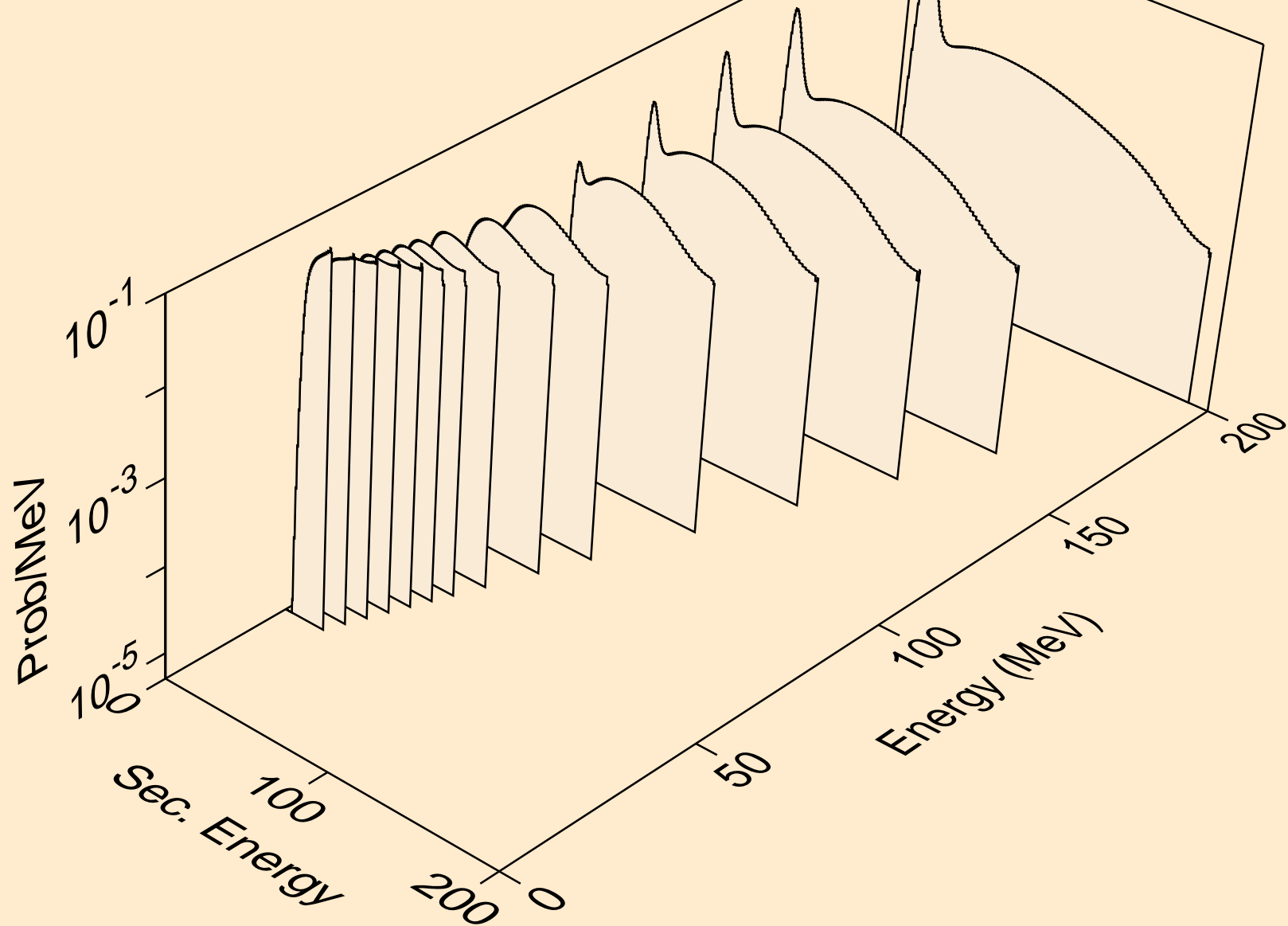
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pd)



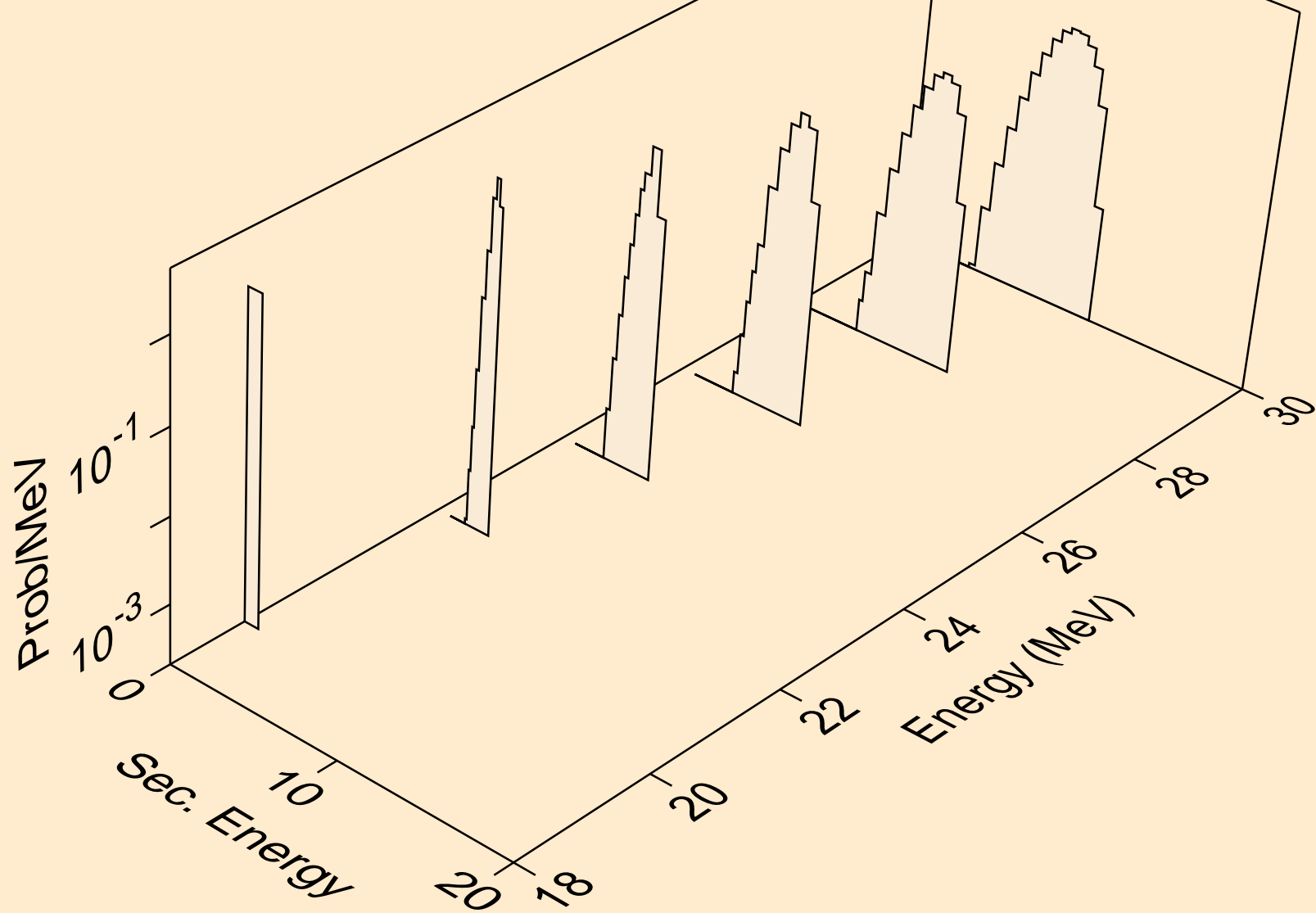
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pt)



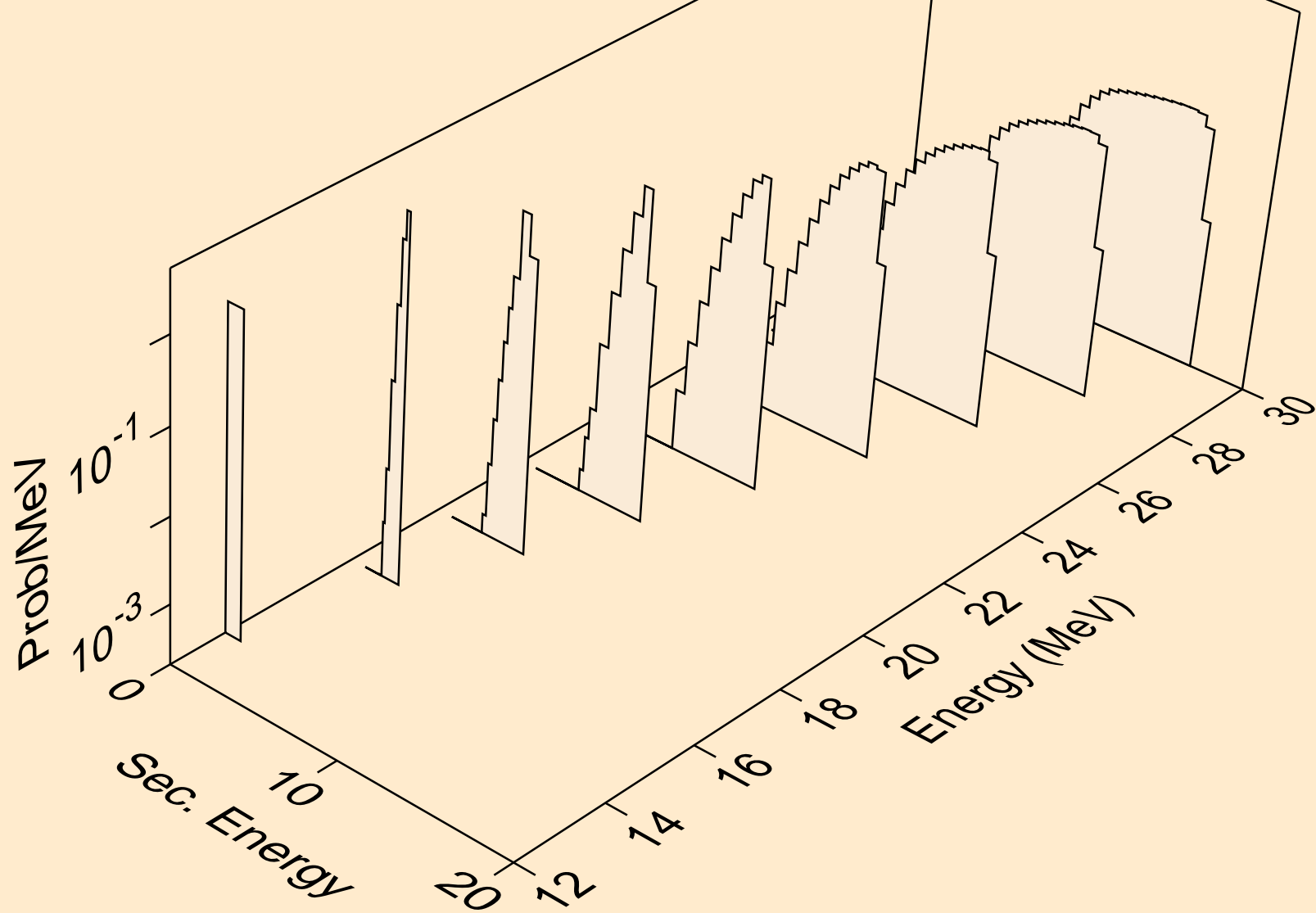
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)



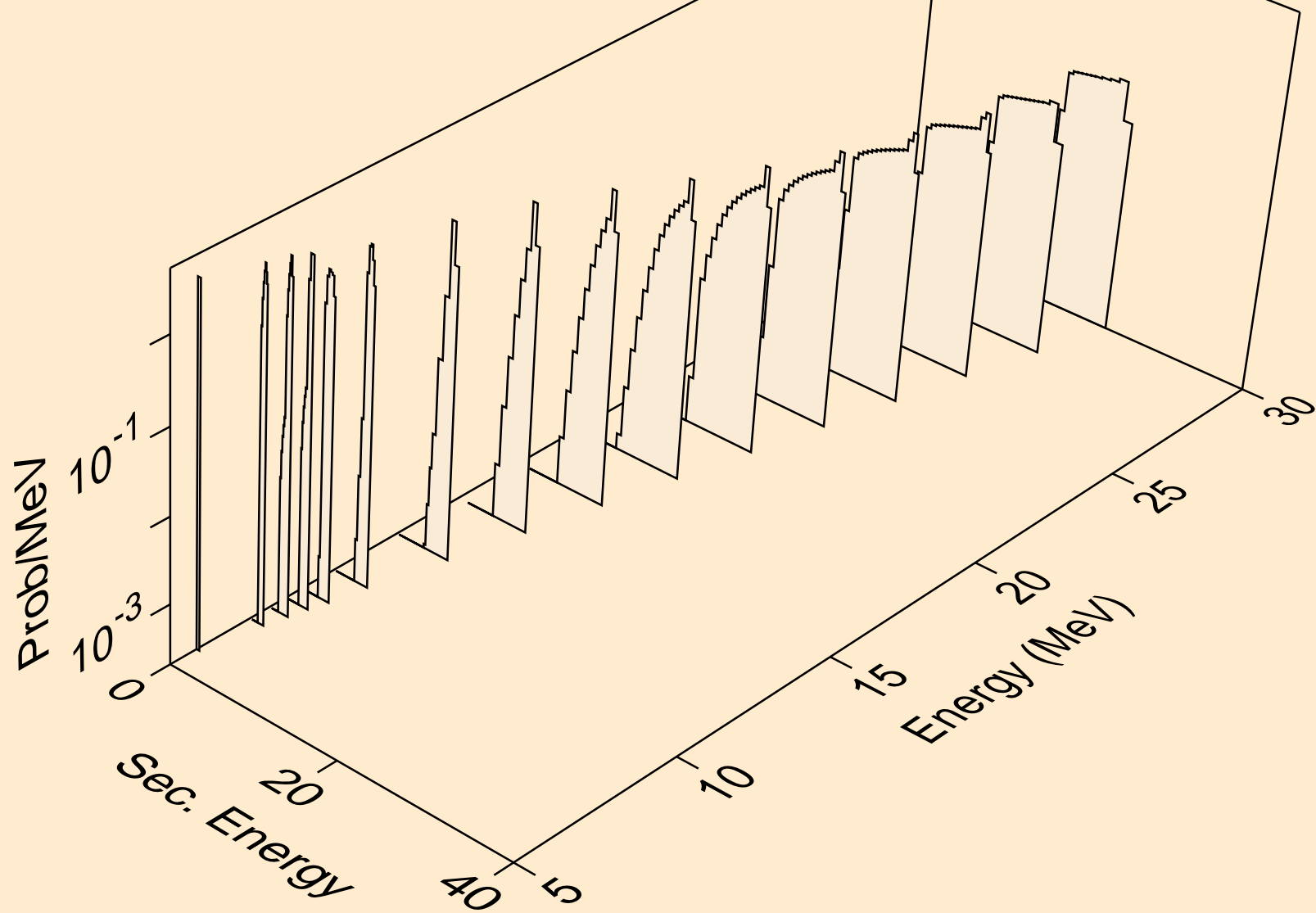
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,2nd)



ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,n\*)d

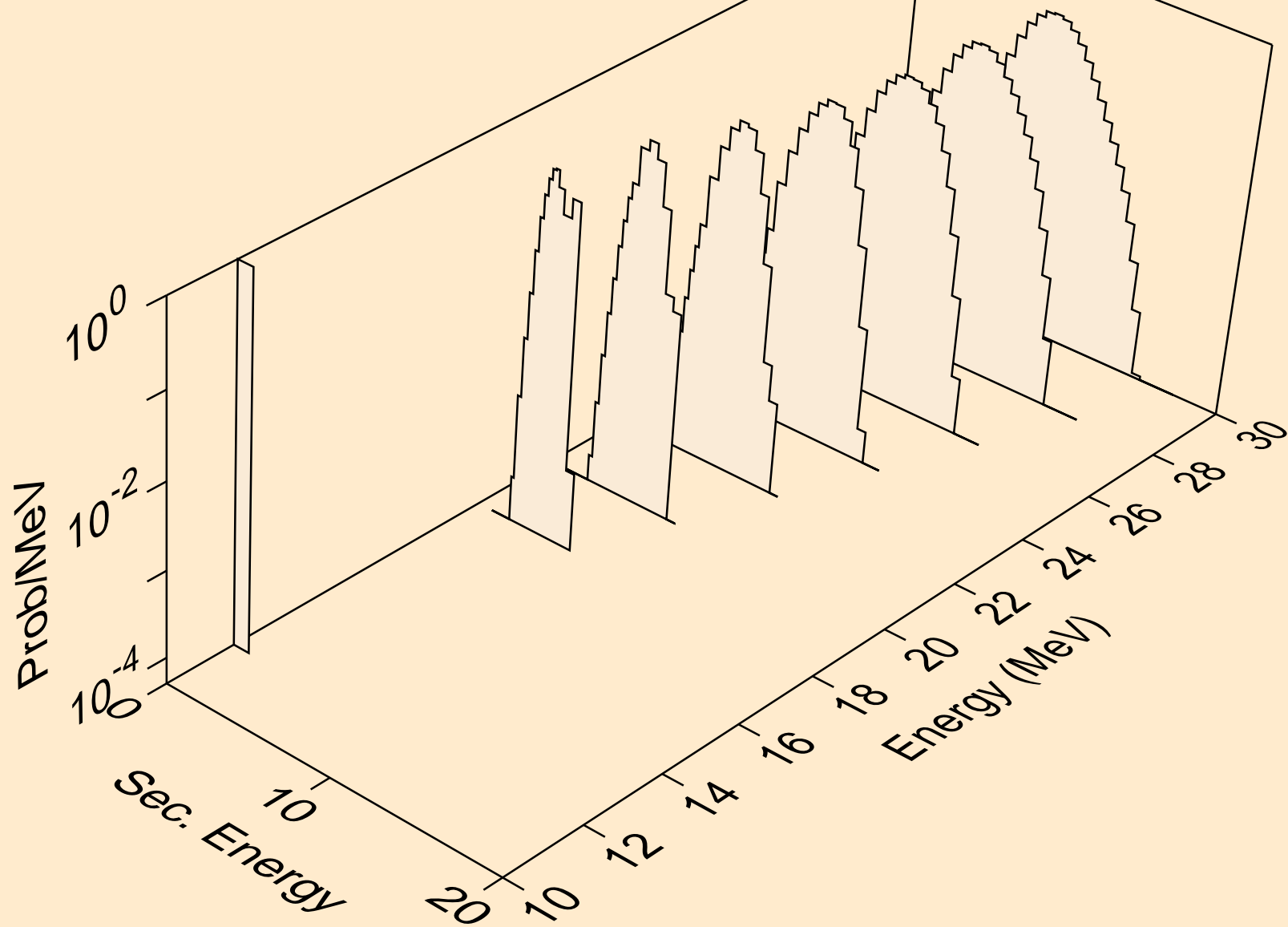


ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,d)

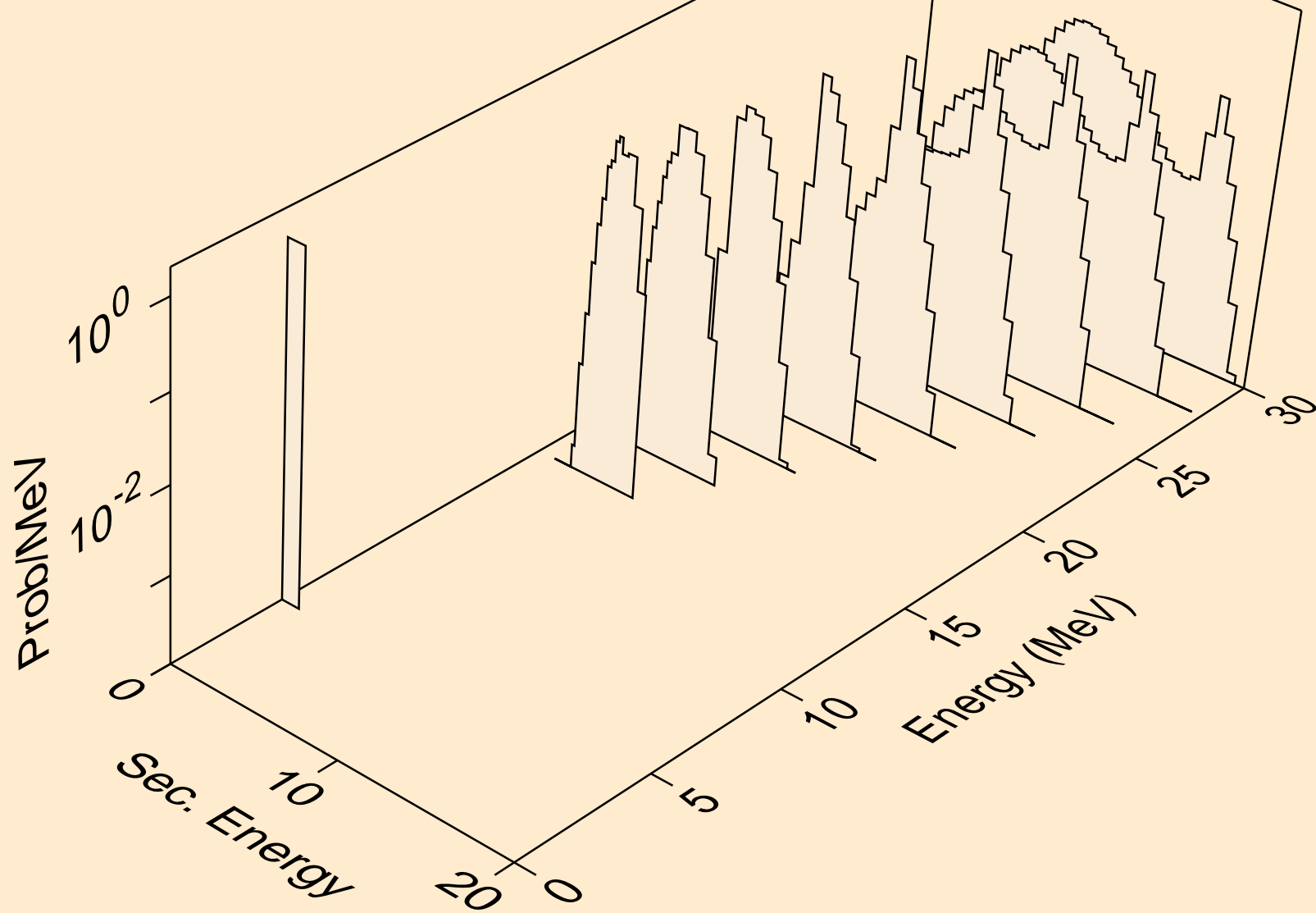




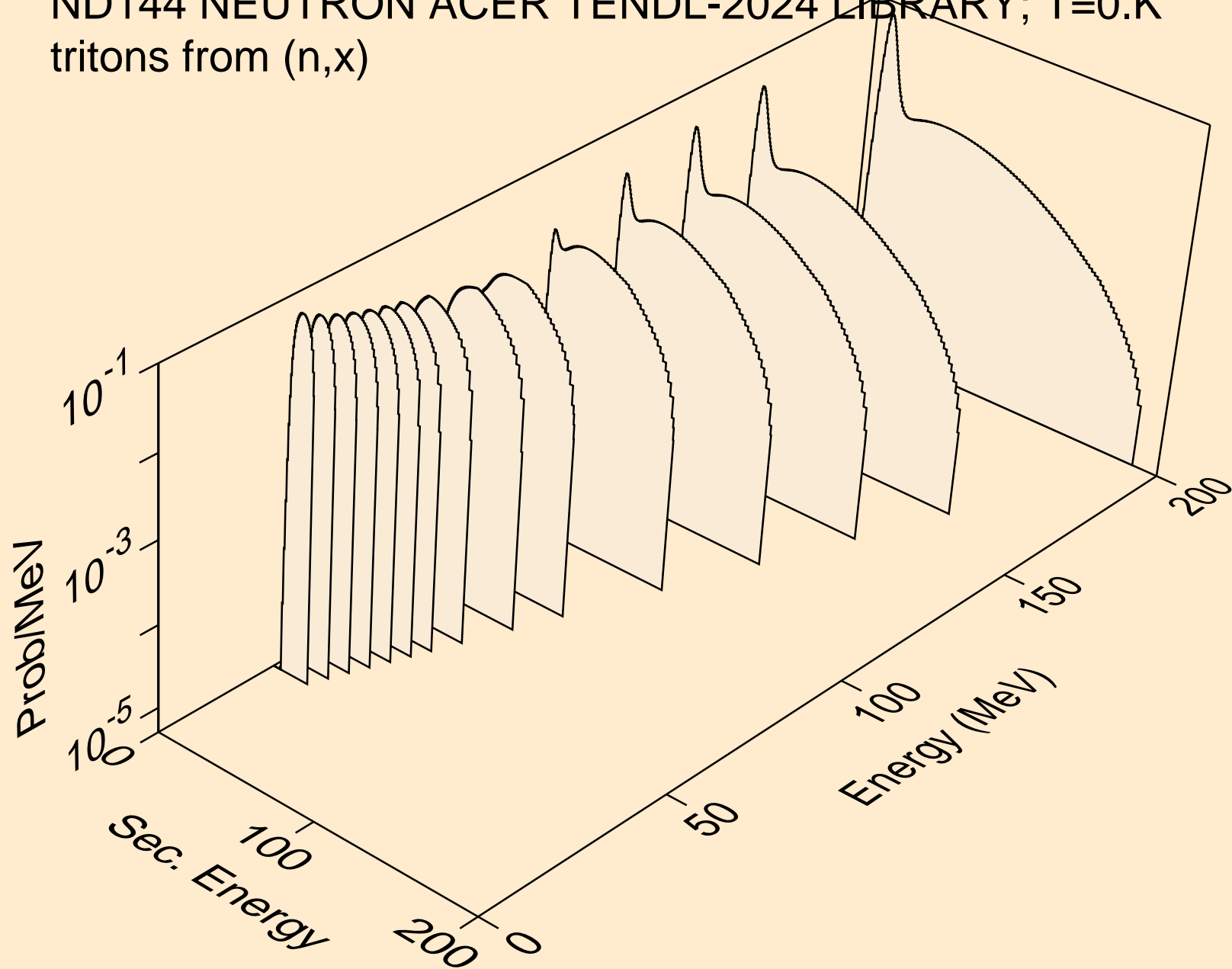
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,pd)



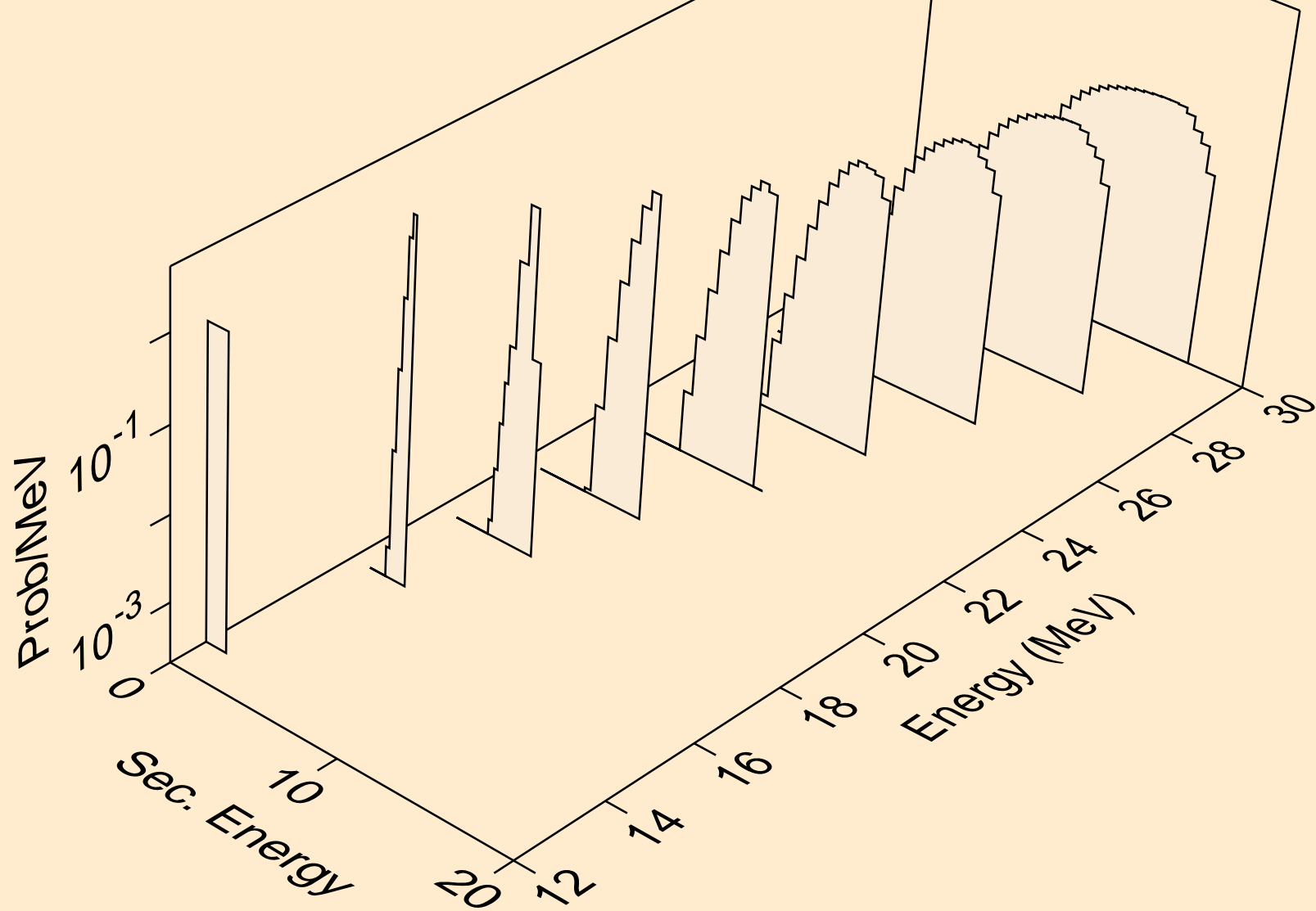
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,da)



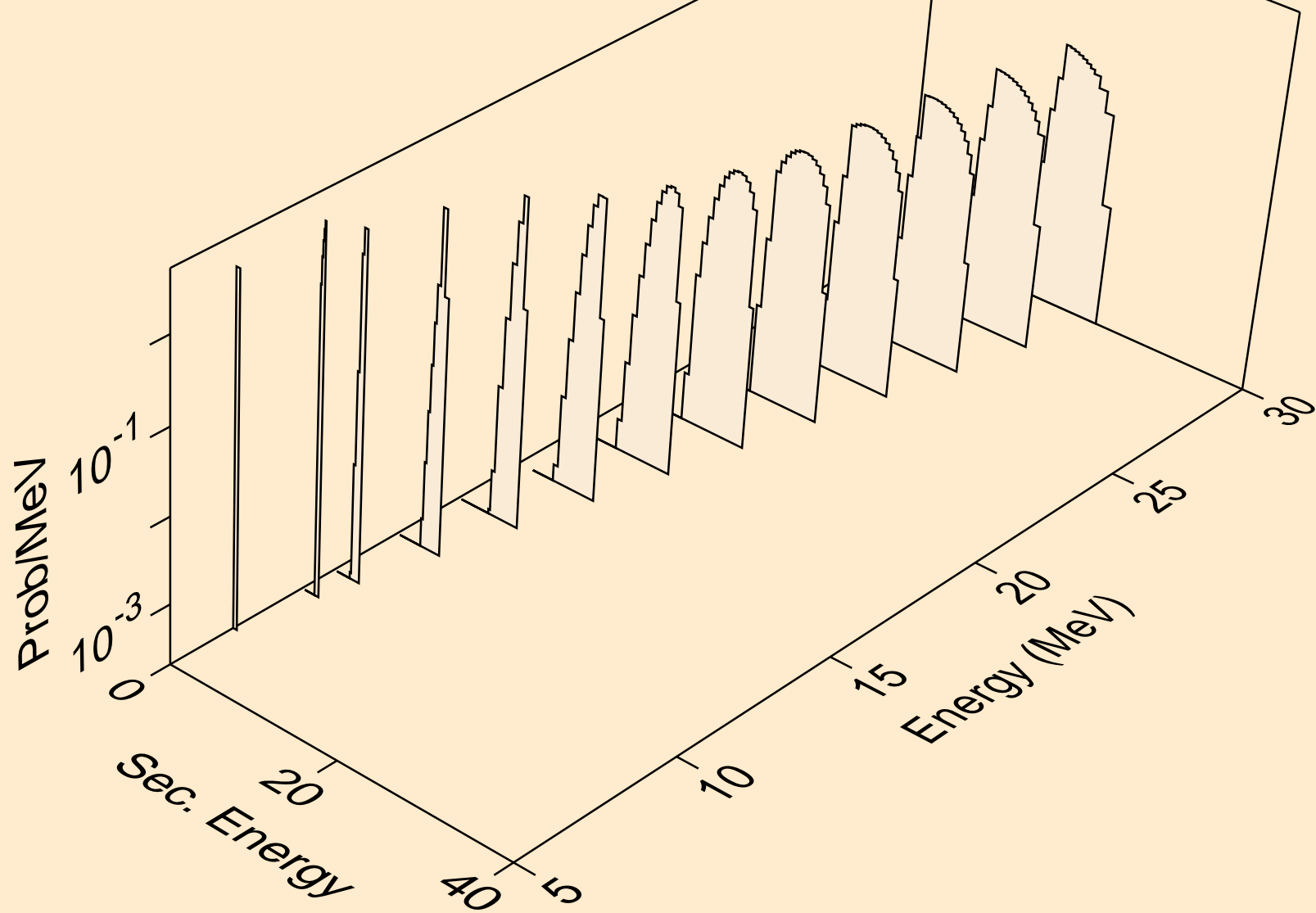
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)



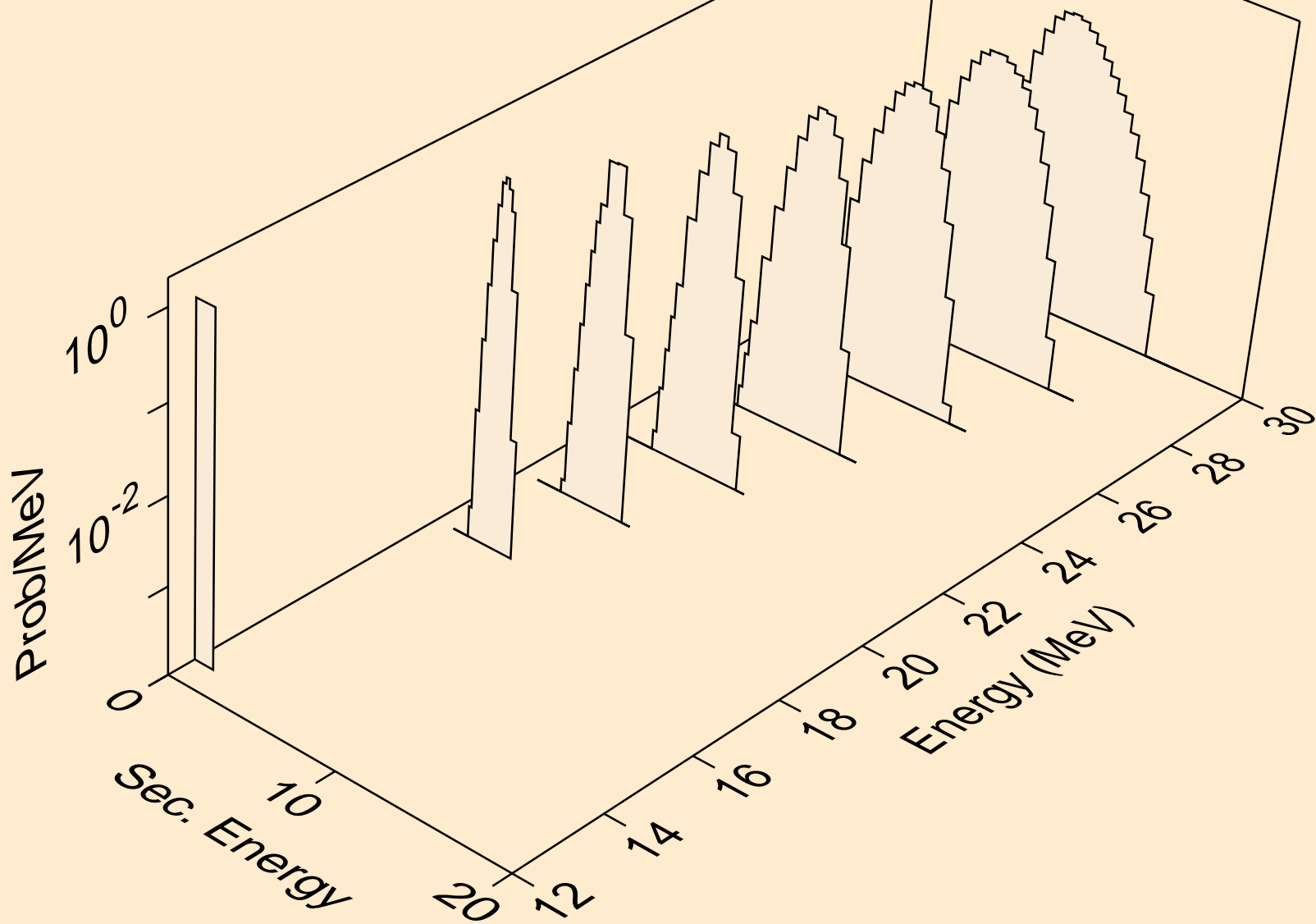
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



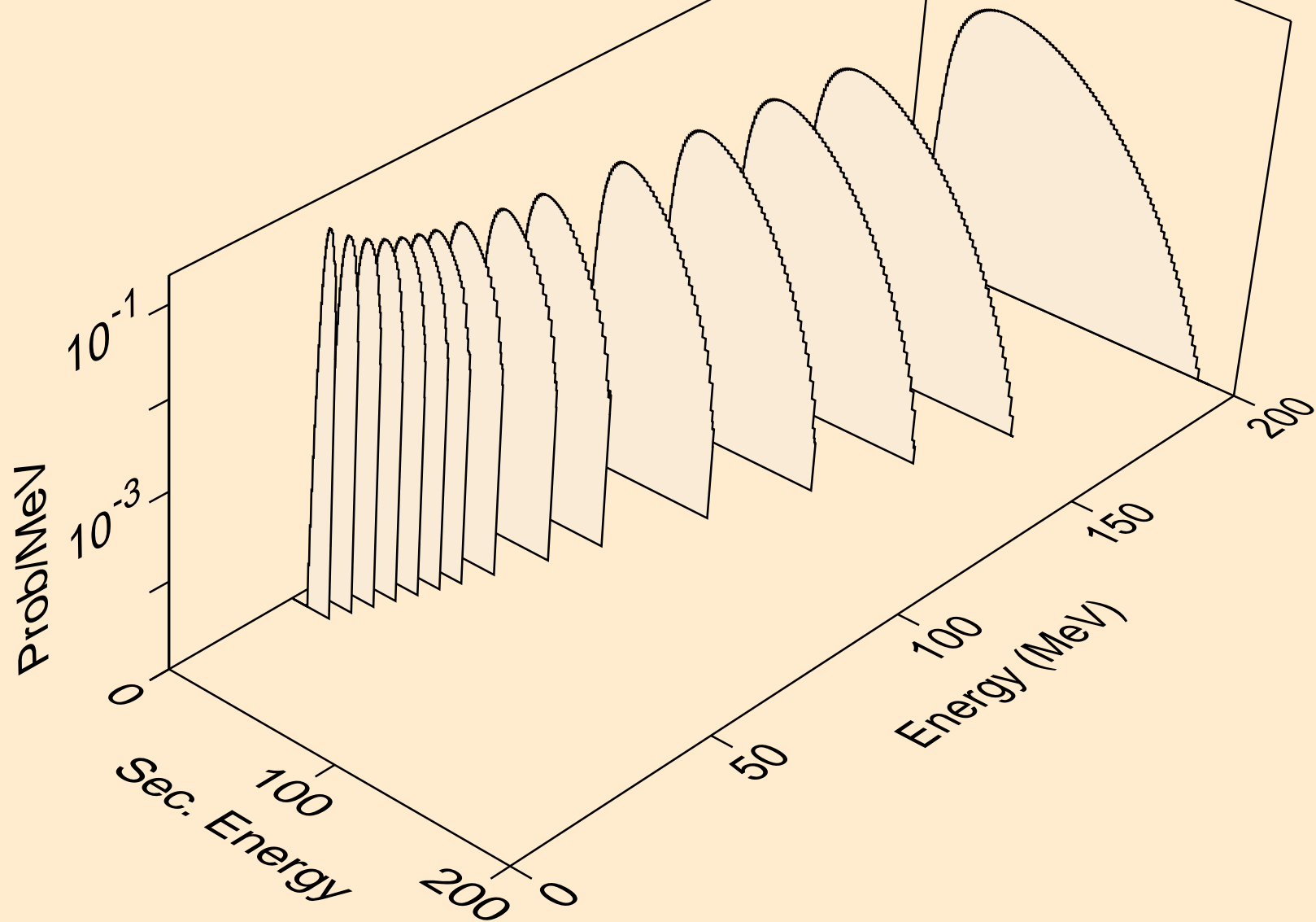
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,t)



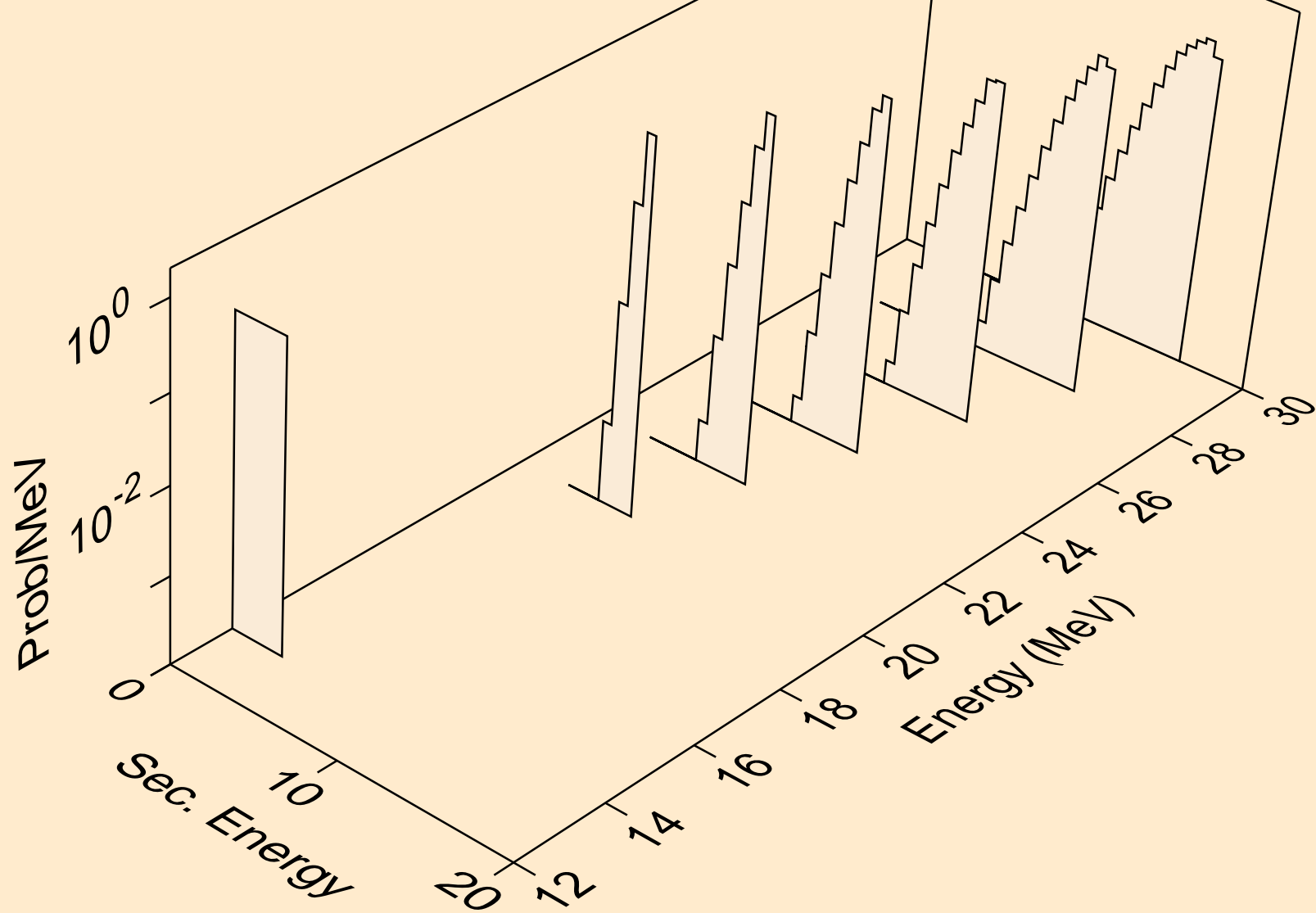
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,pt)



ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)

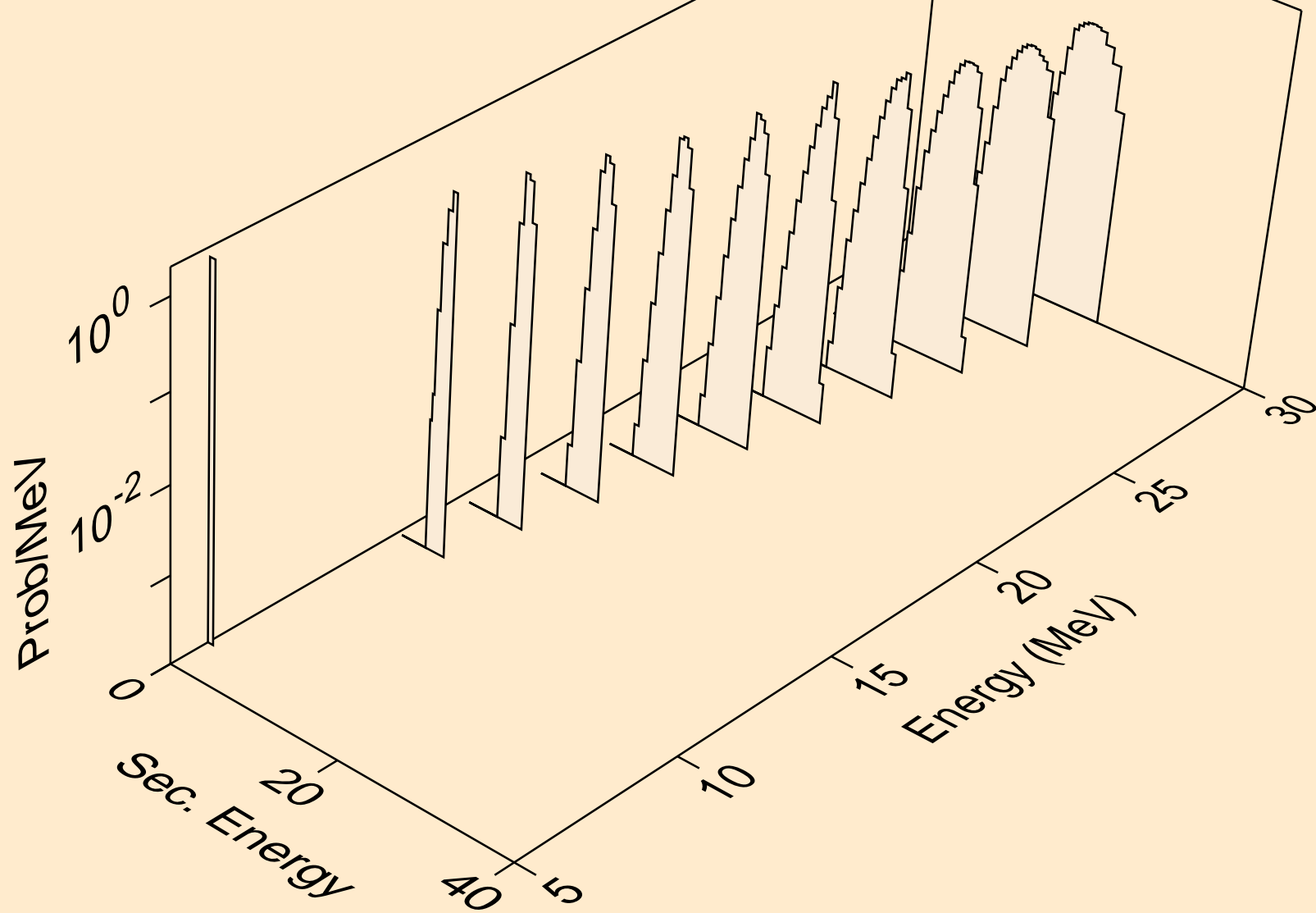


ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3

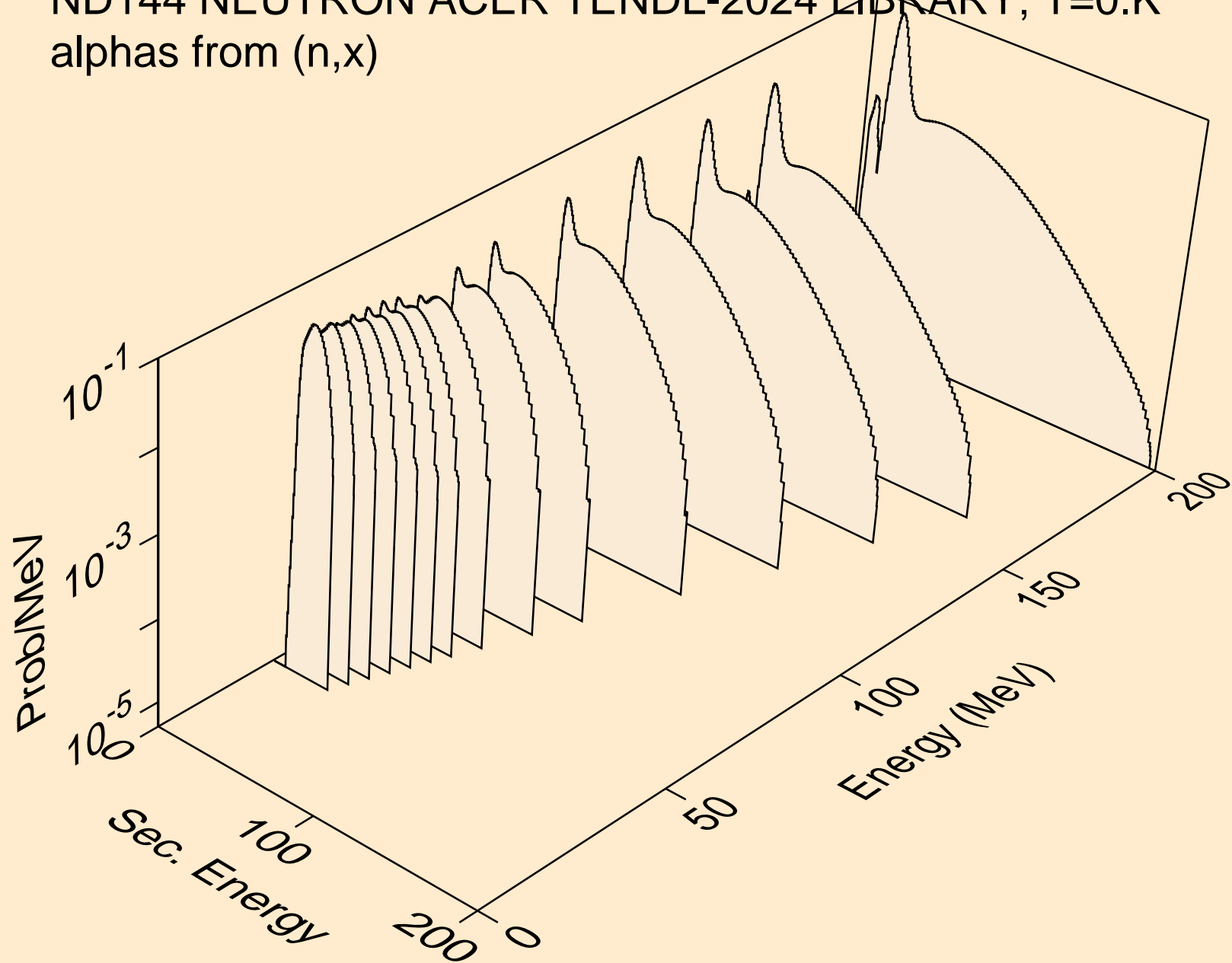




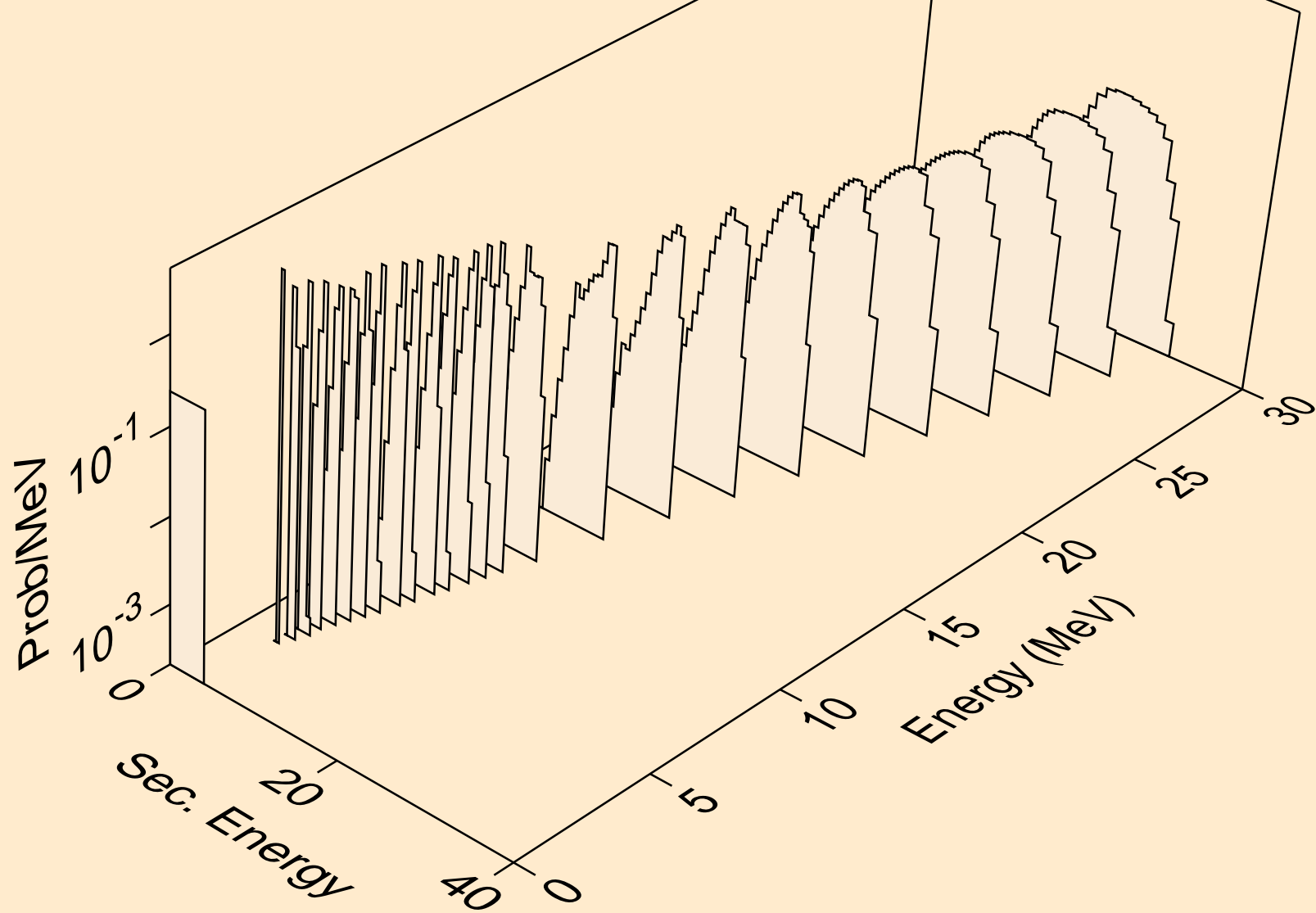
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)



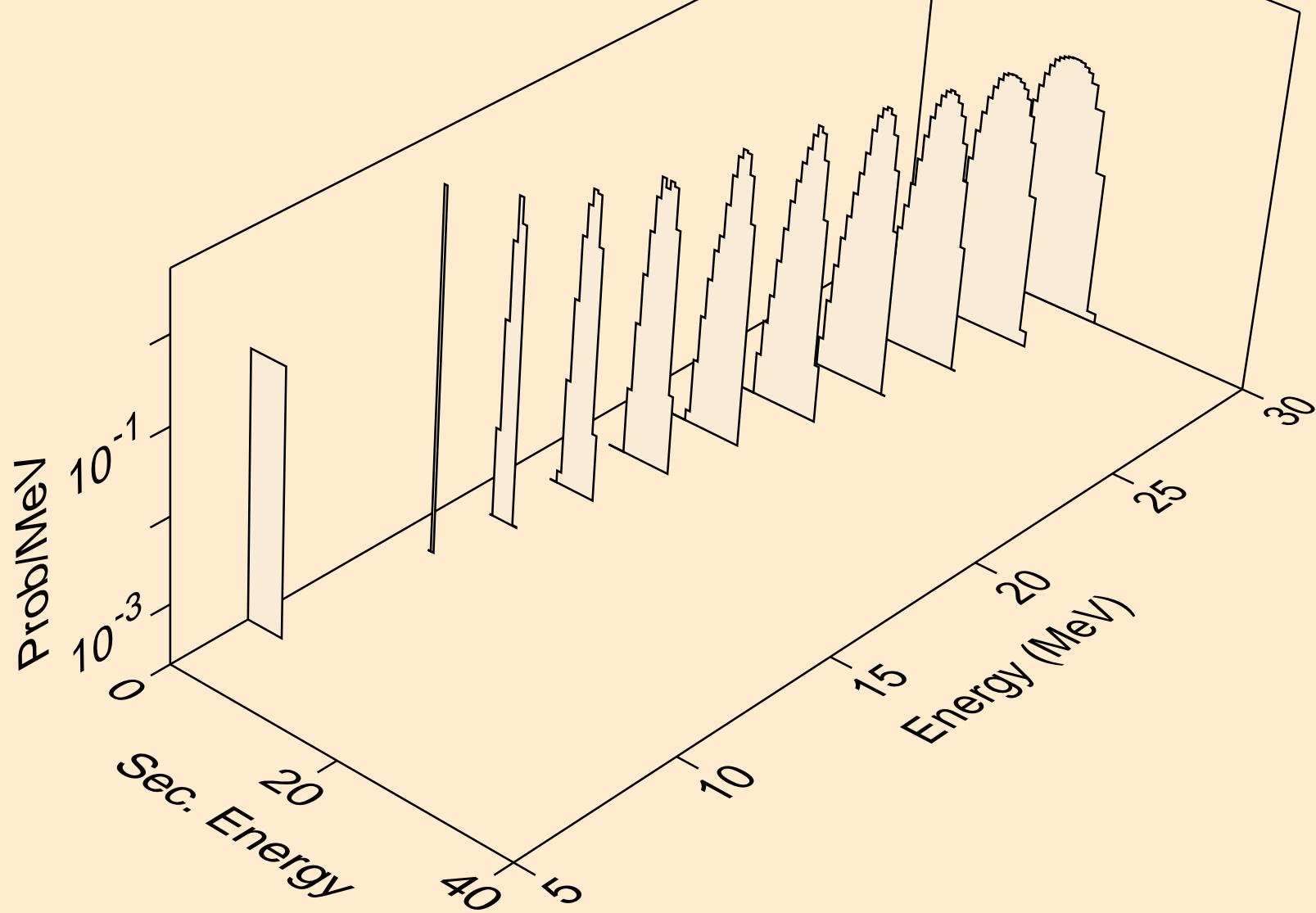
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



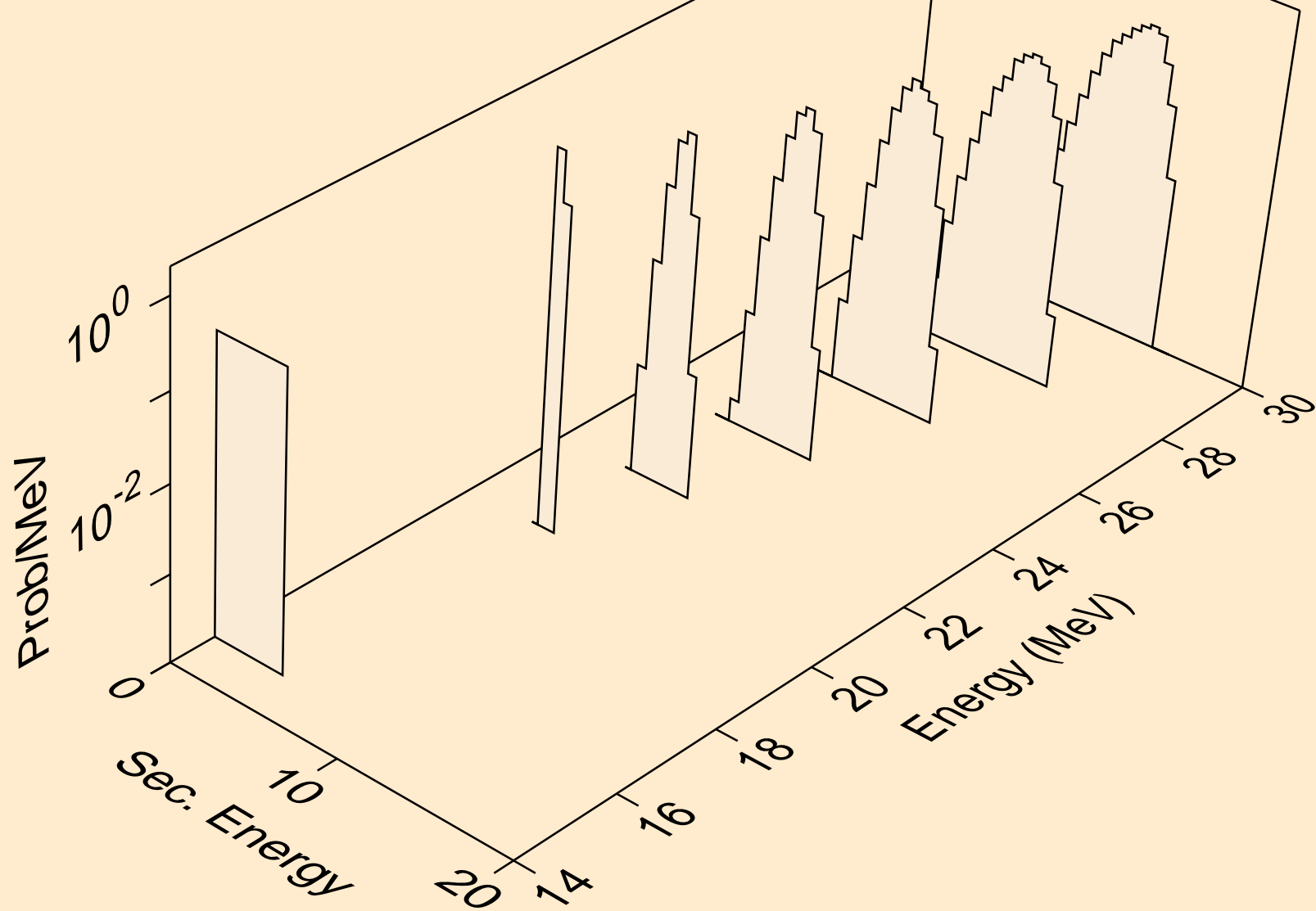
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



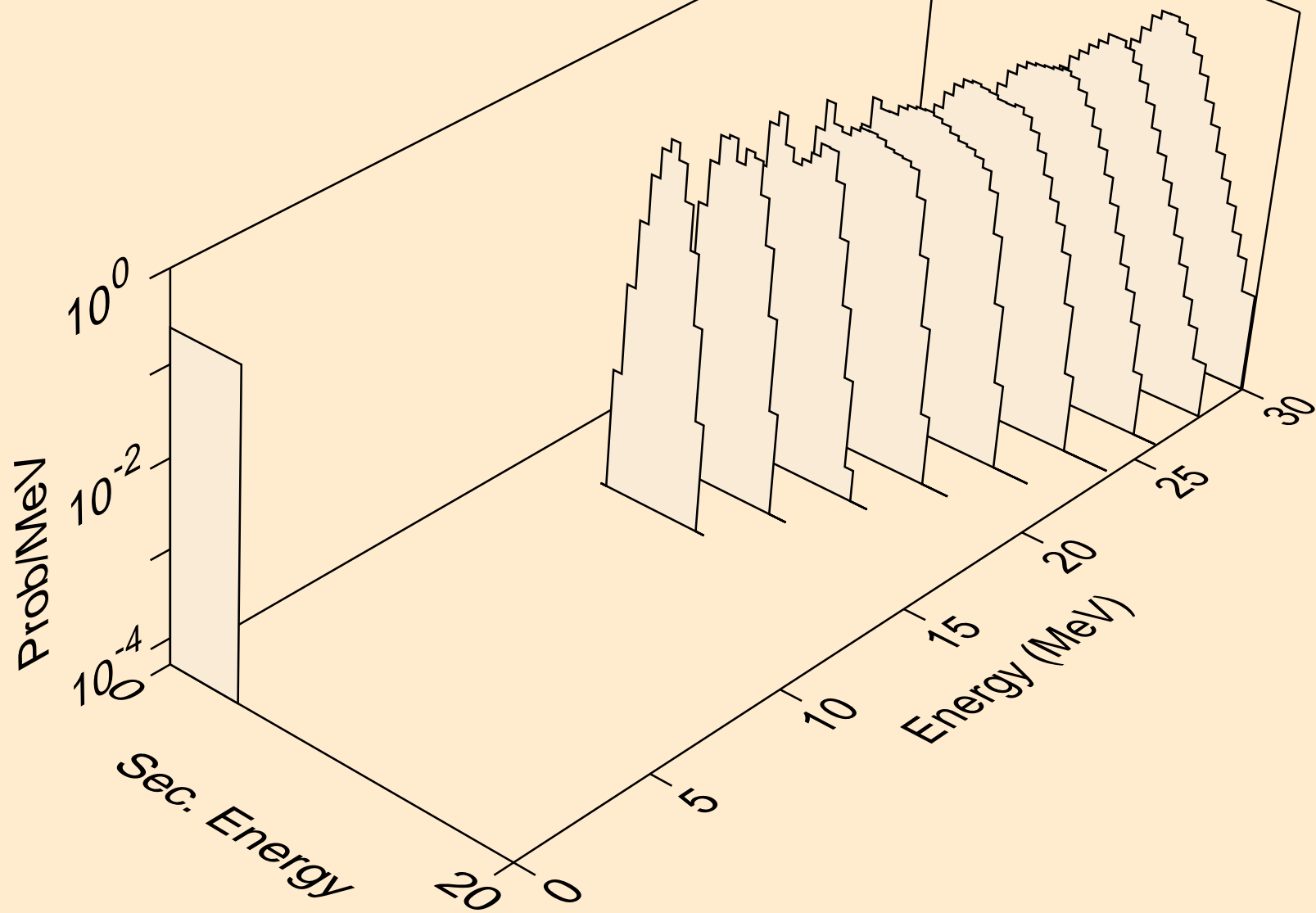
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



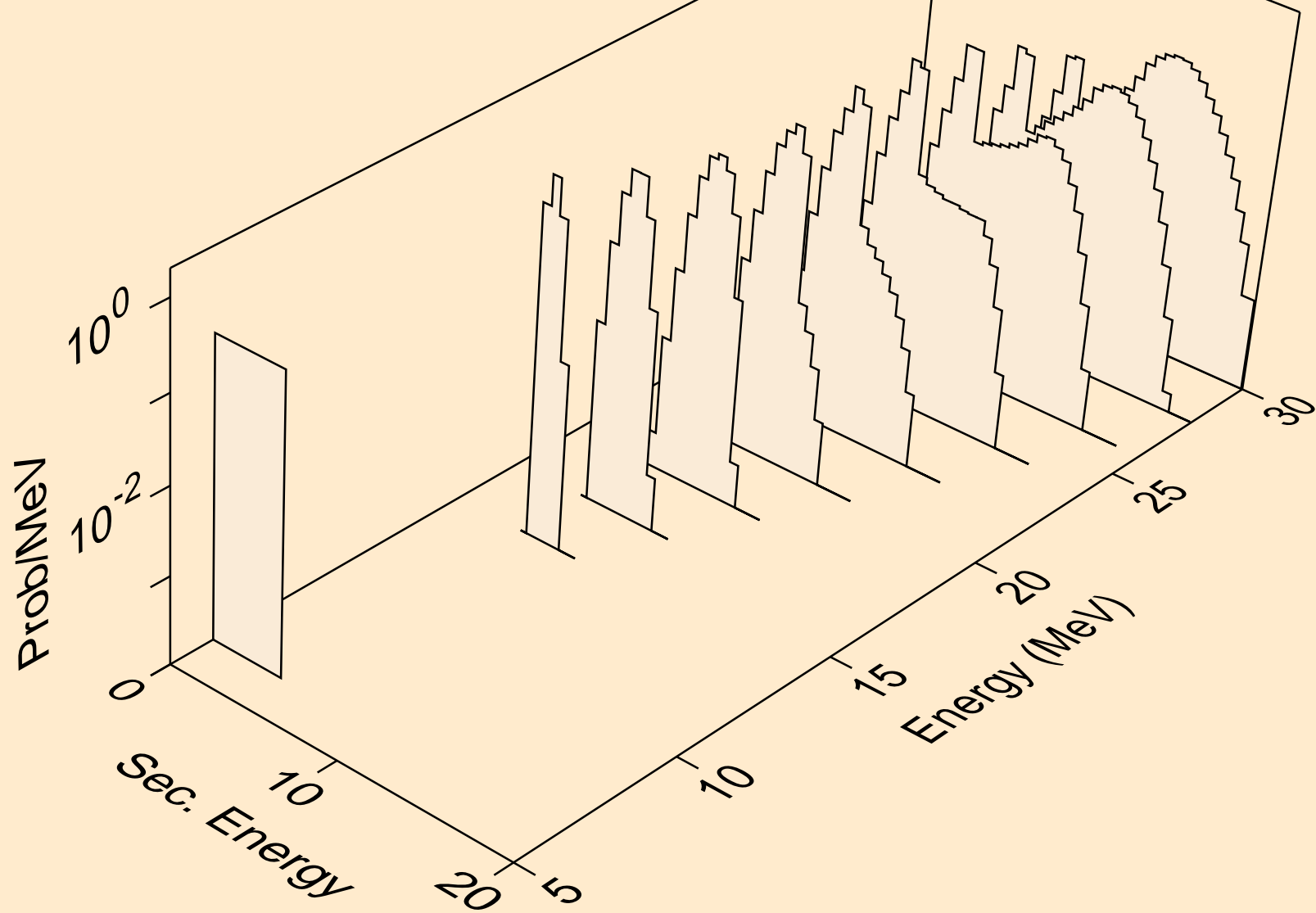
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a



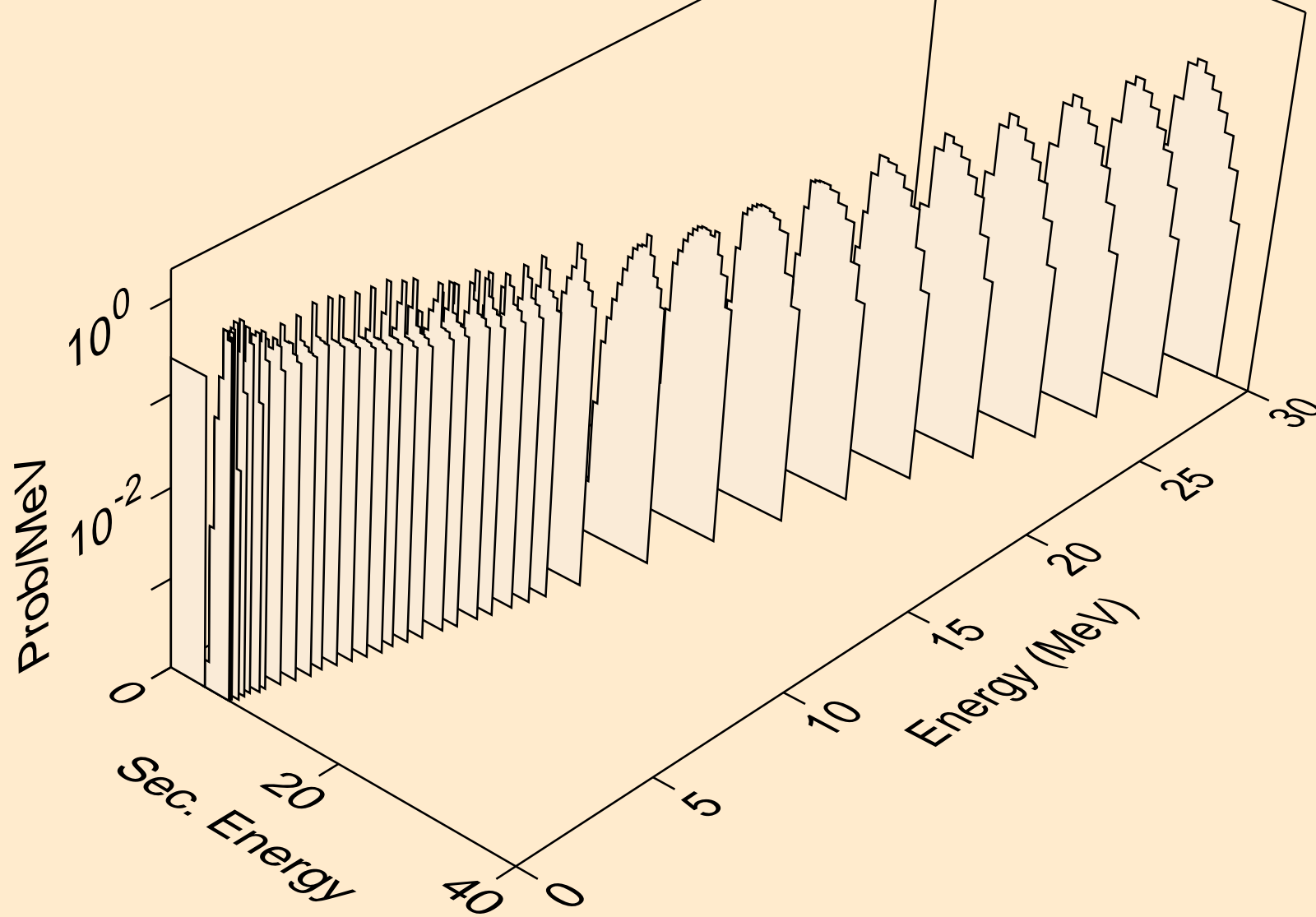
ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)2a



ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)

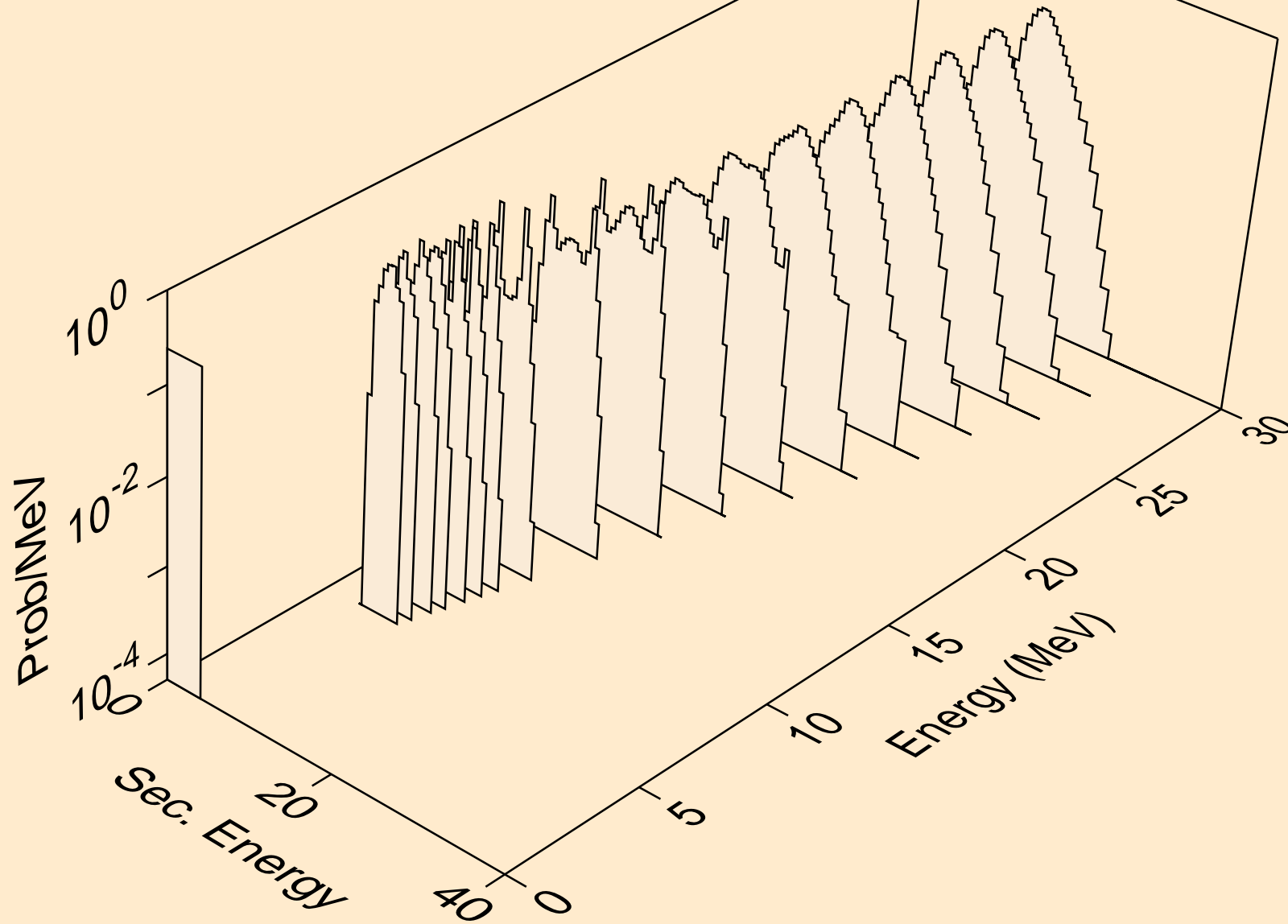


ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)

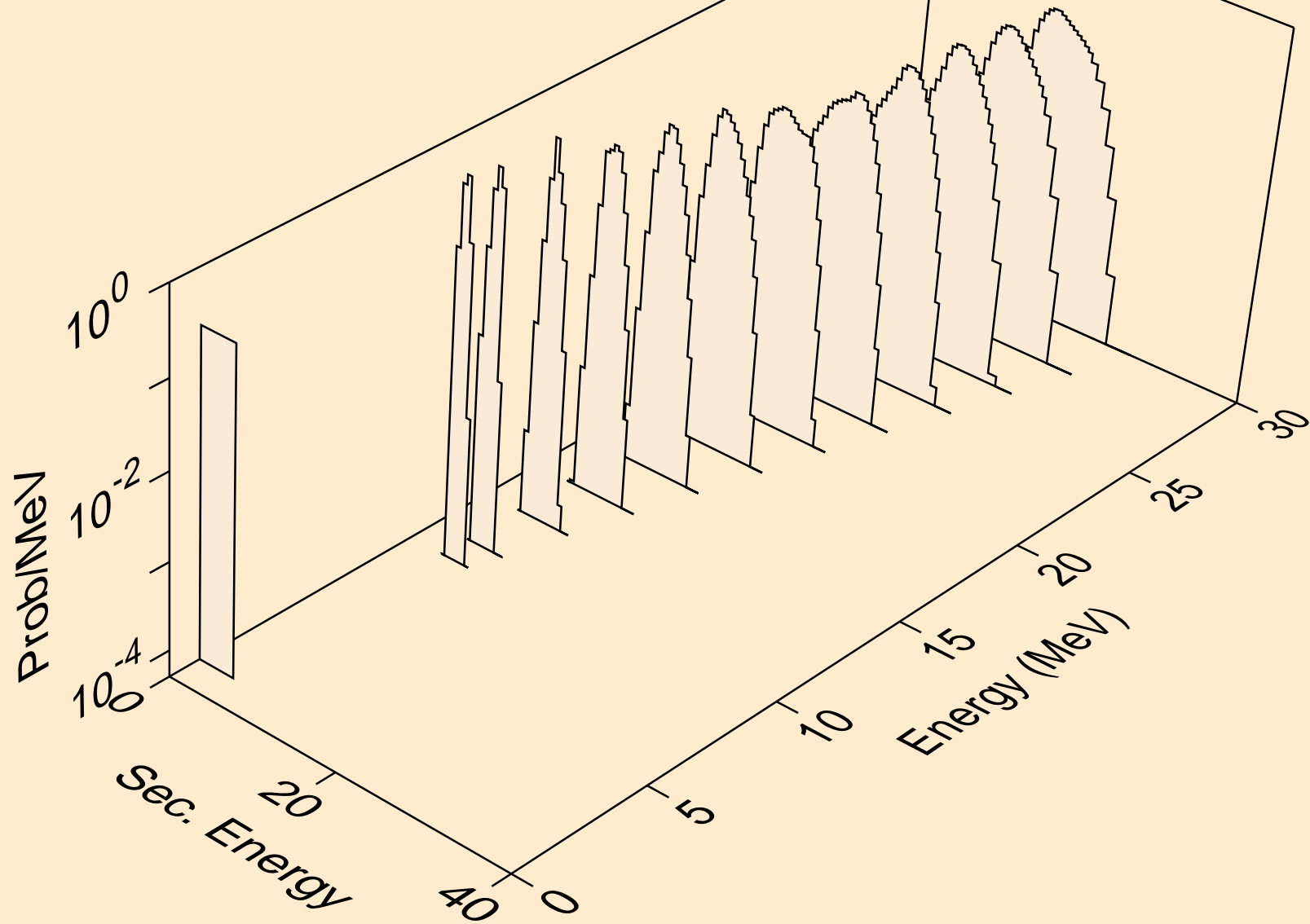




ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



ND144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

