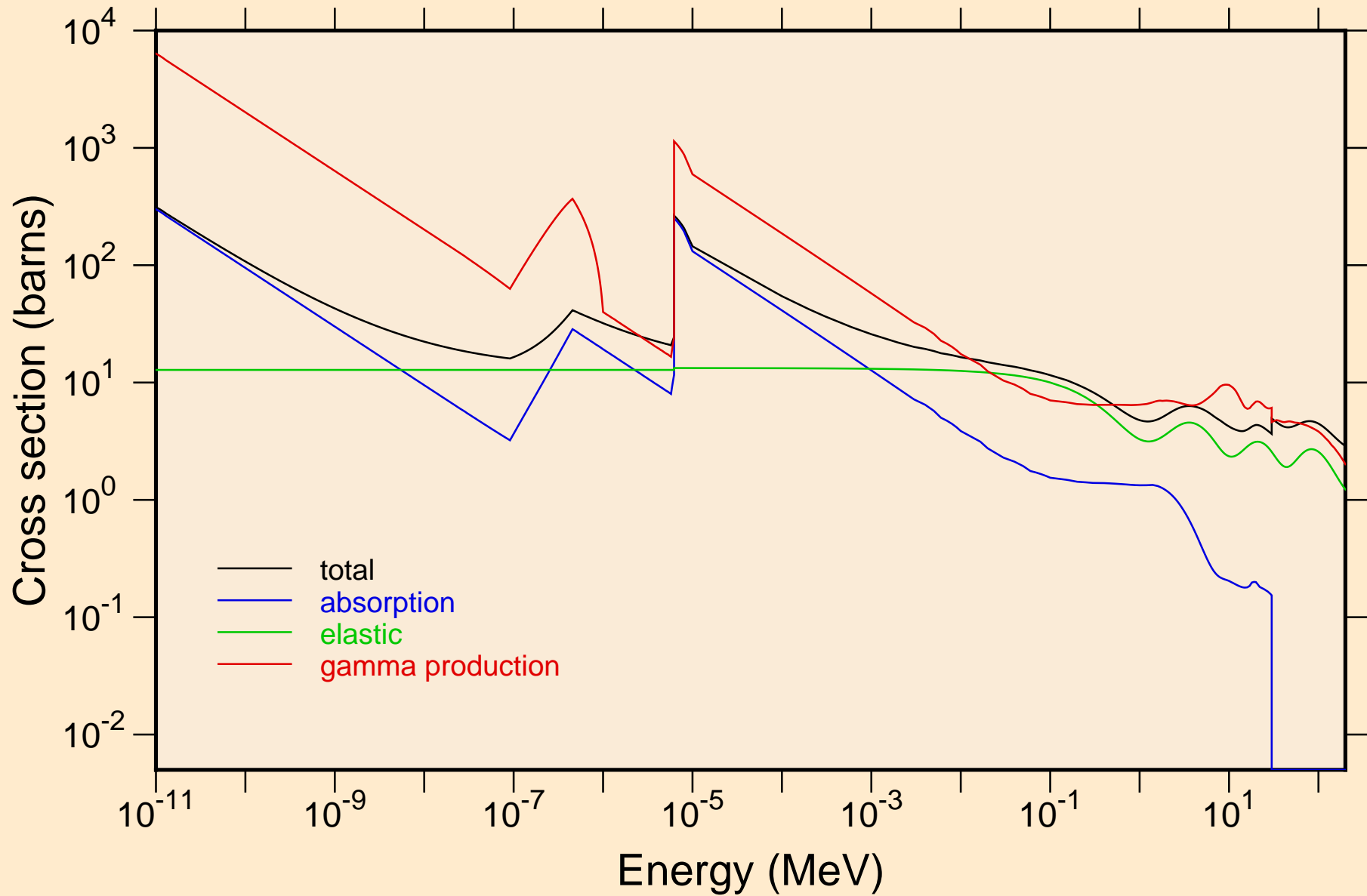
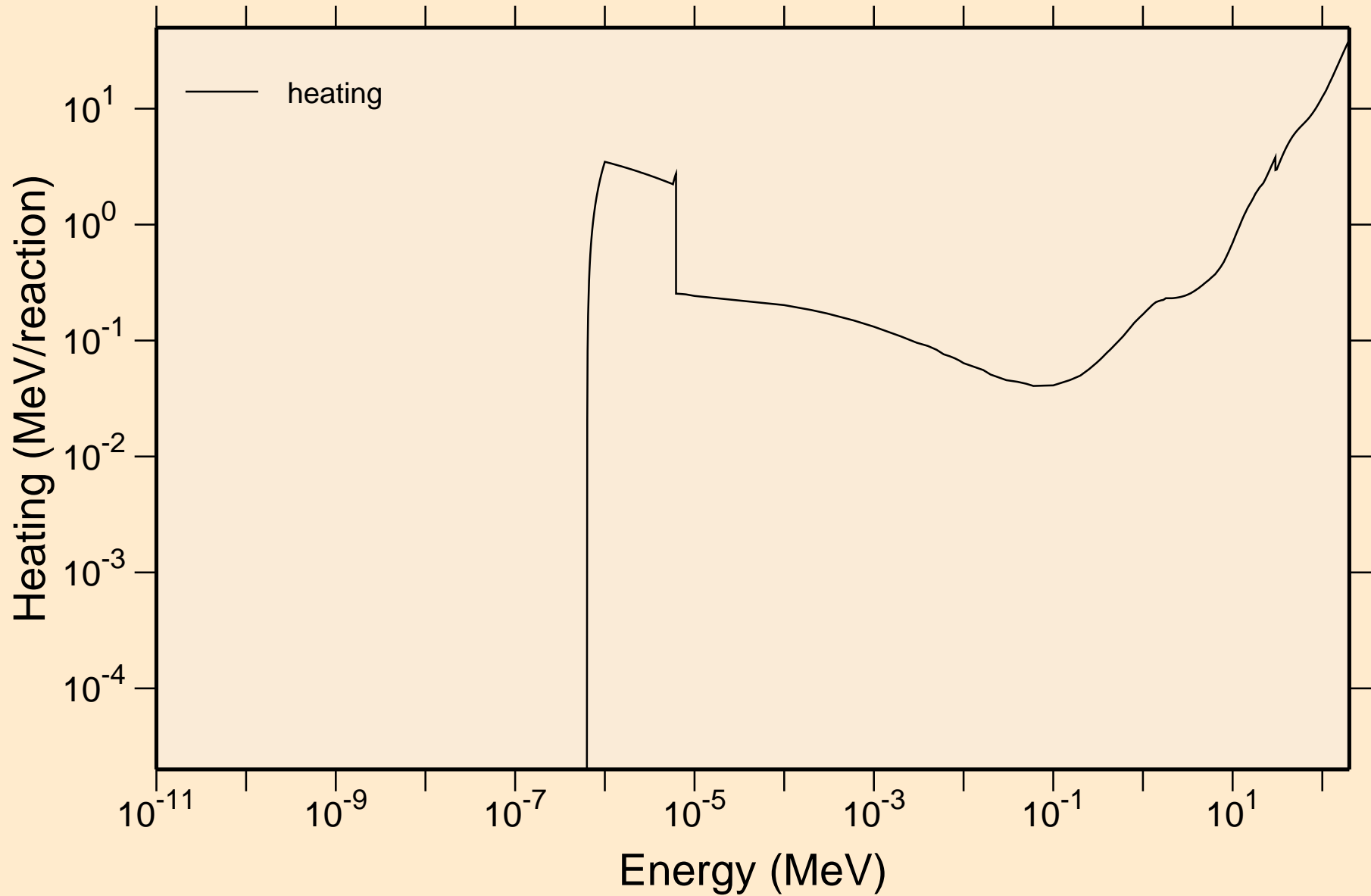


# BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections

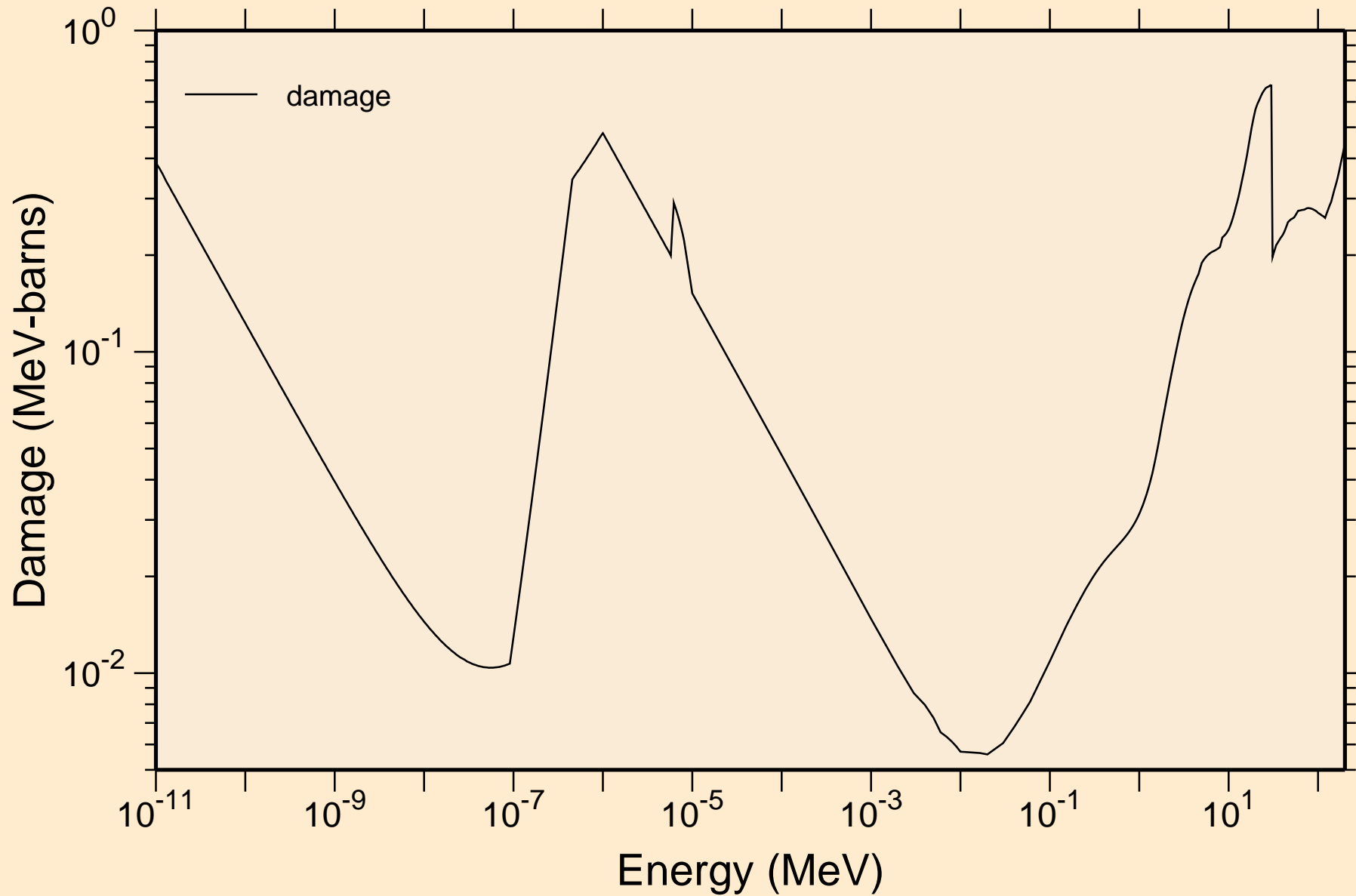


BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Heating

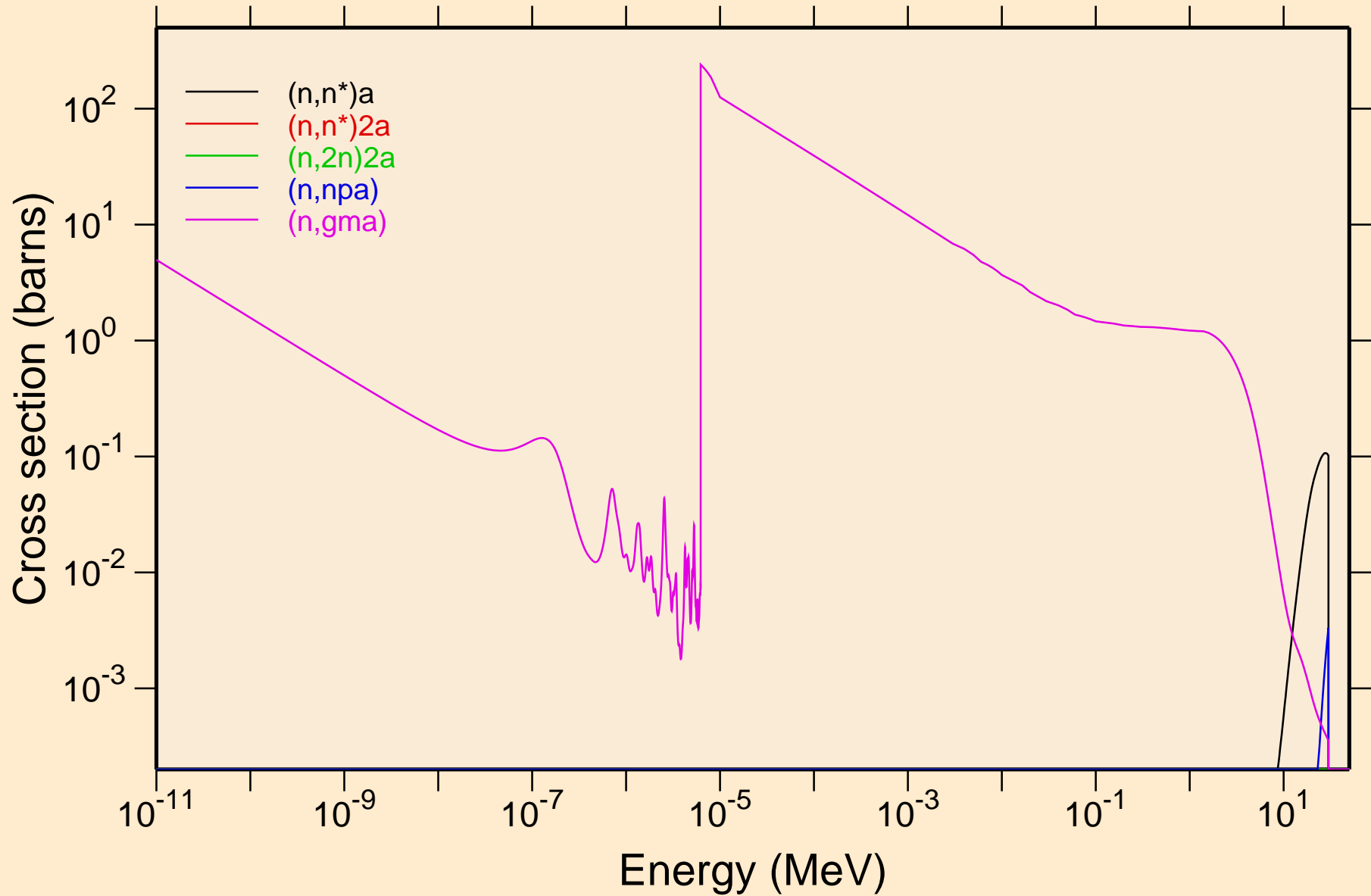


# BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

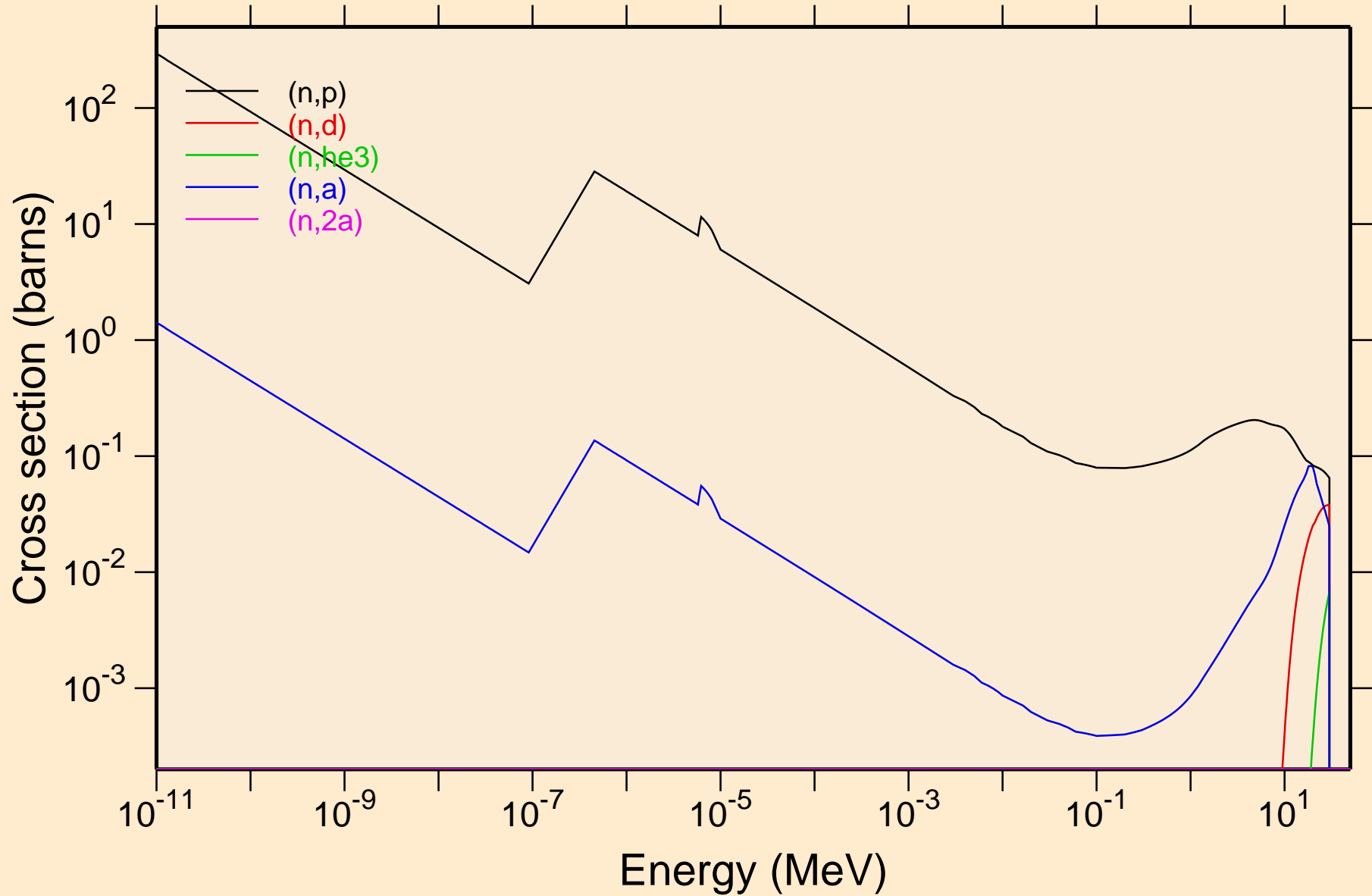
## Damage



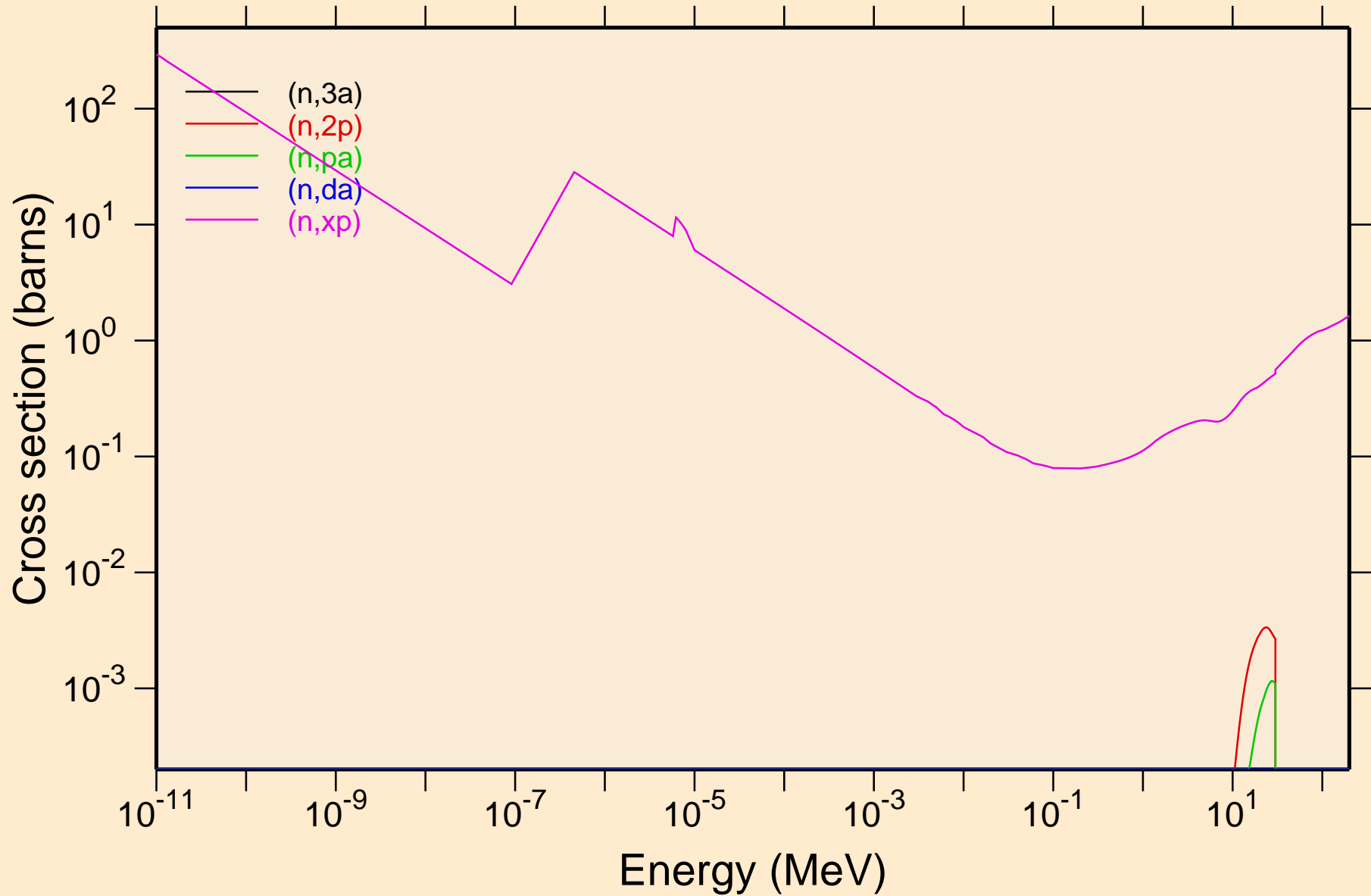
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



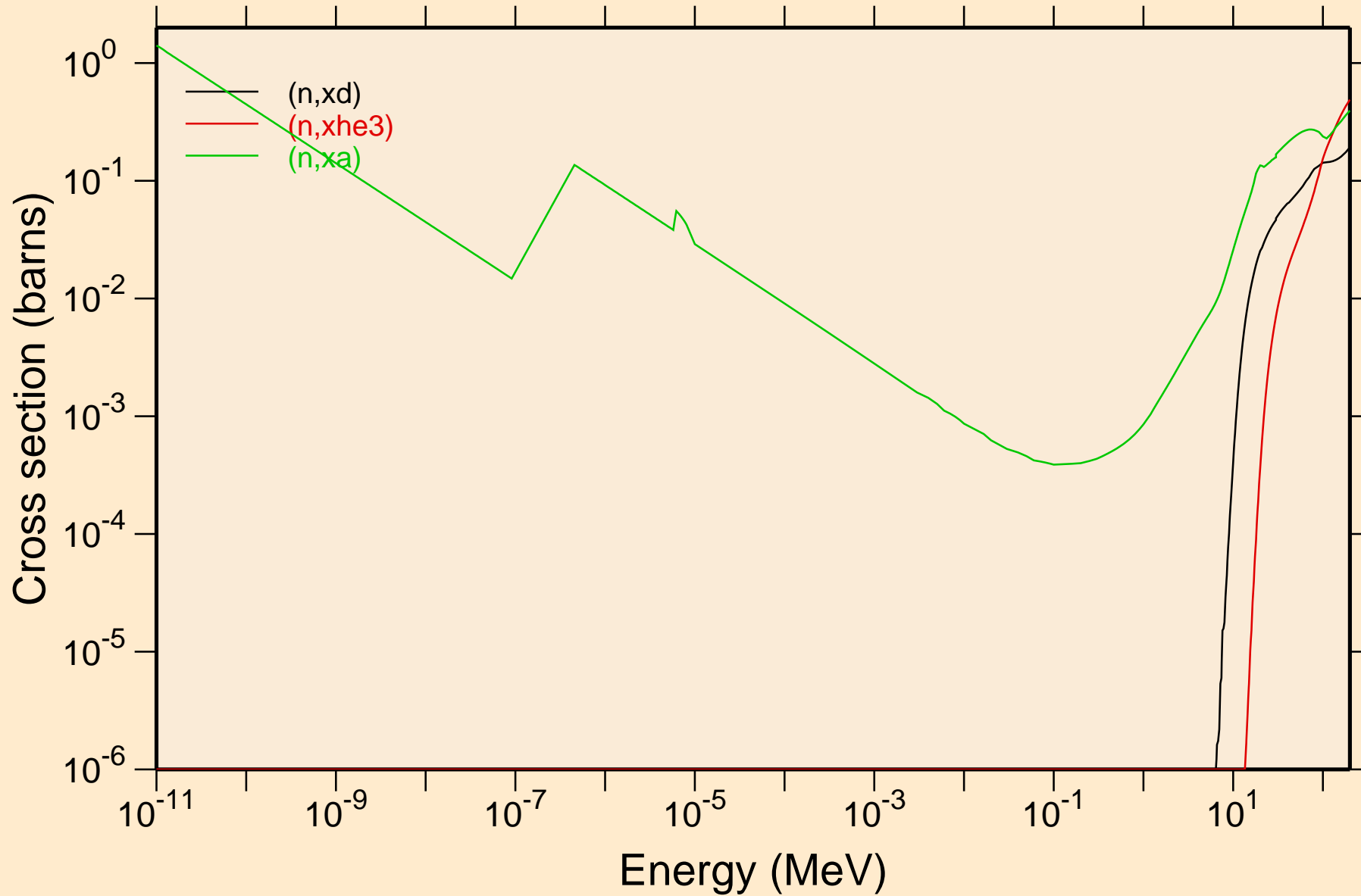
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

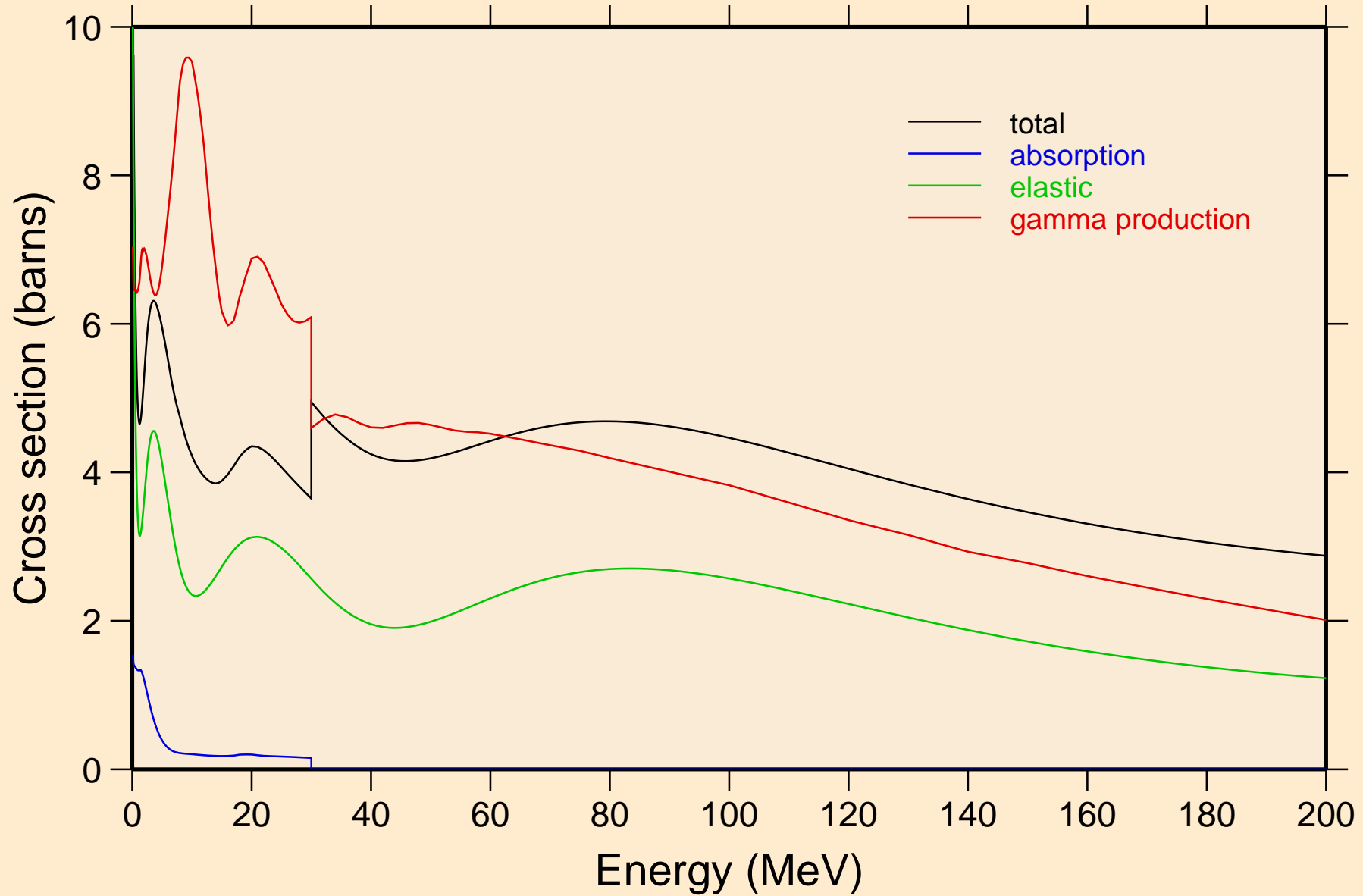


BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



# BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

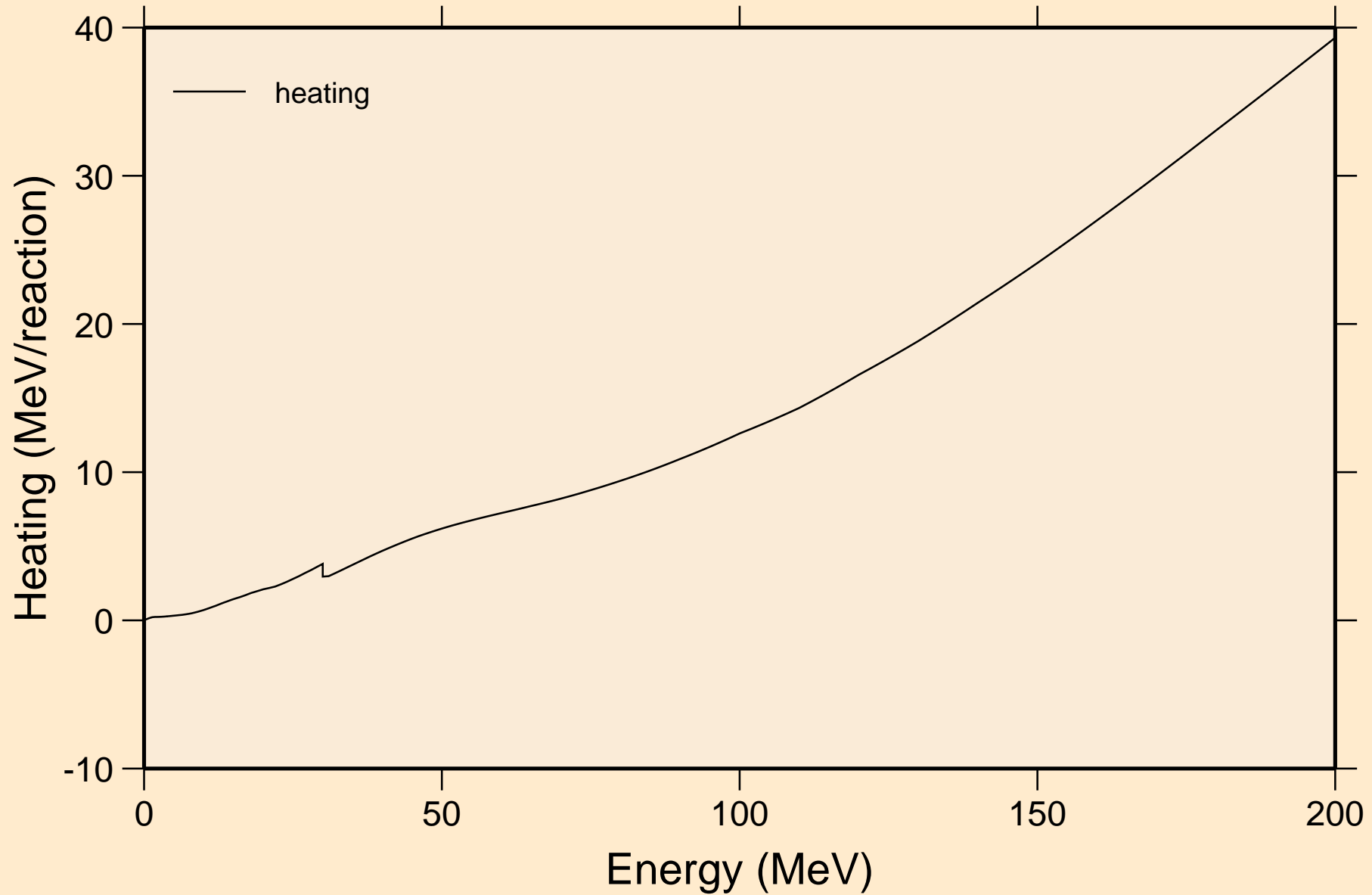
## Principal cross sections





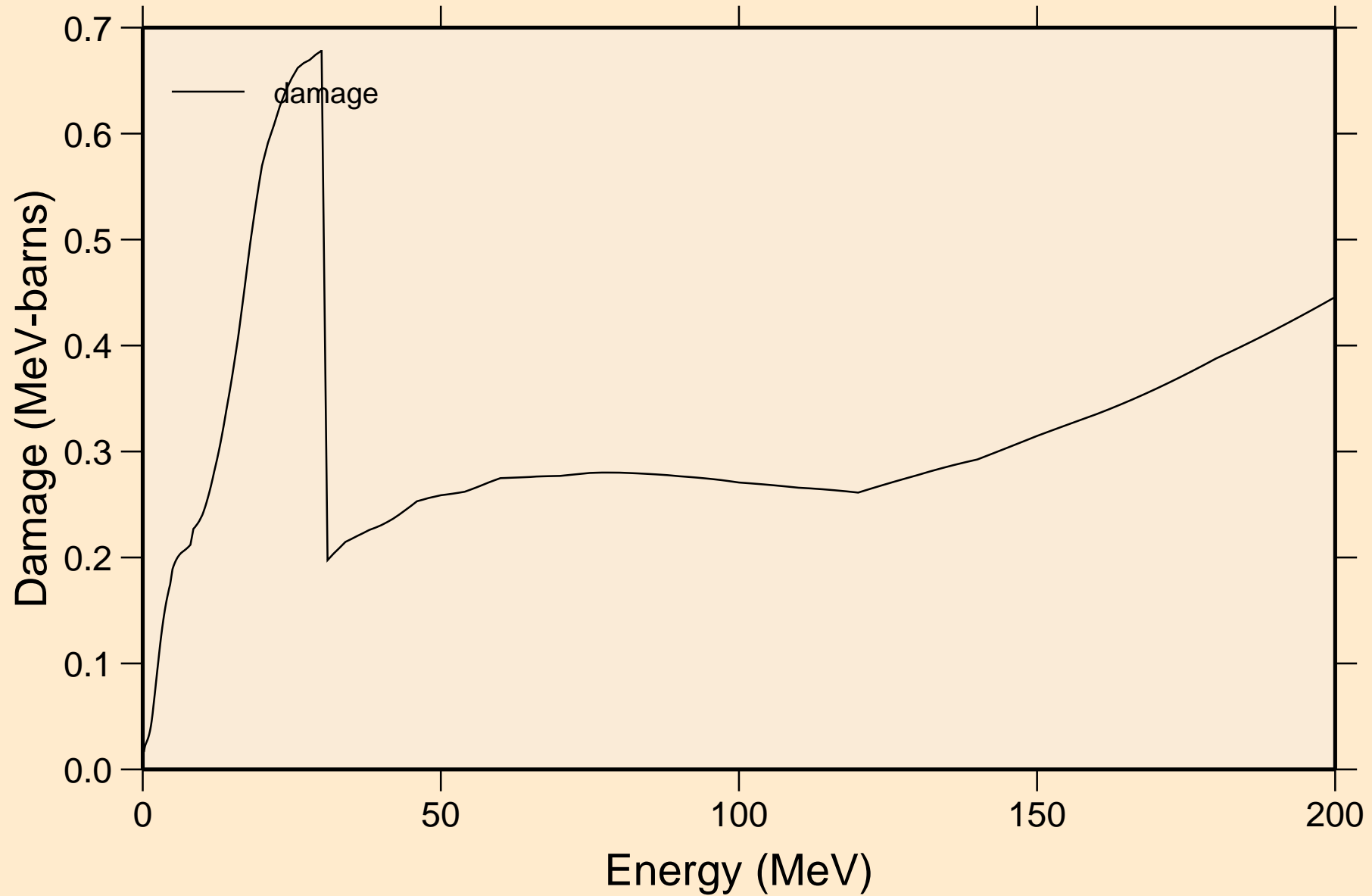
# BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

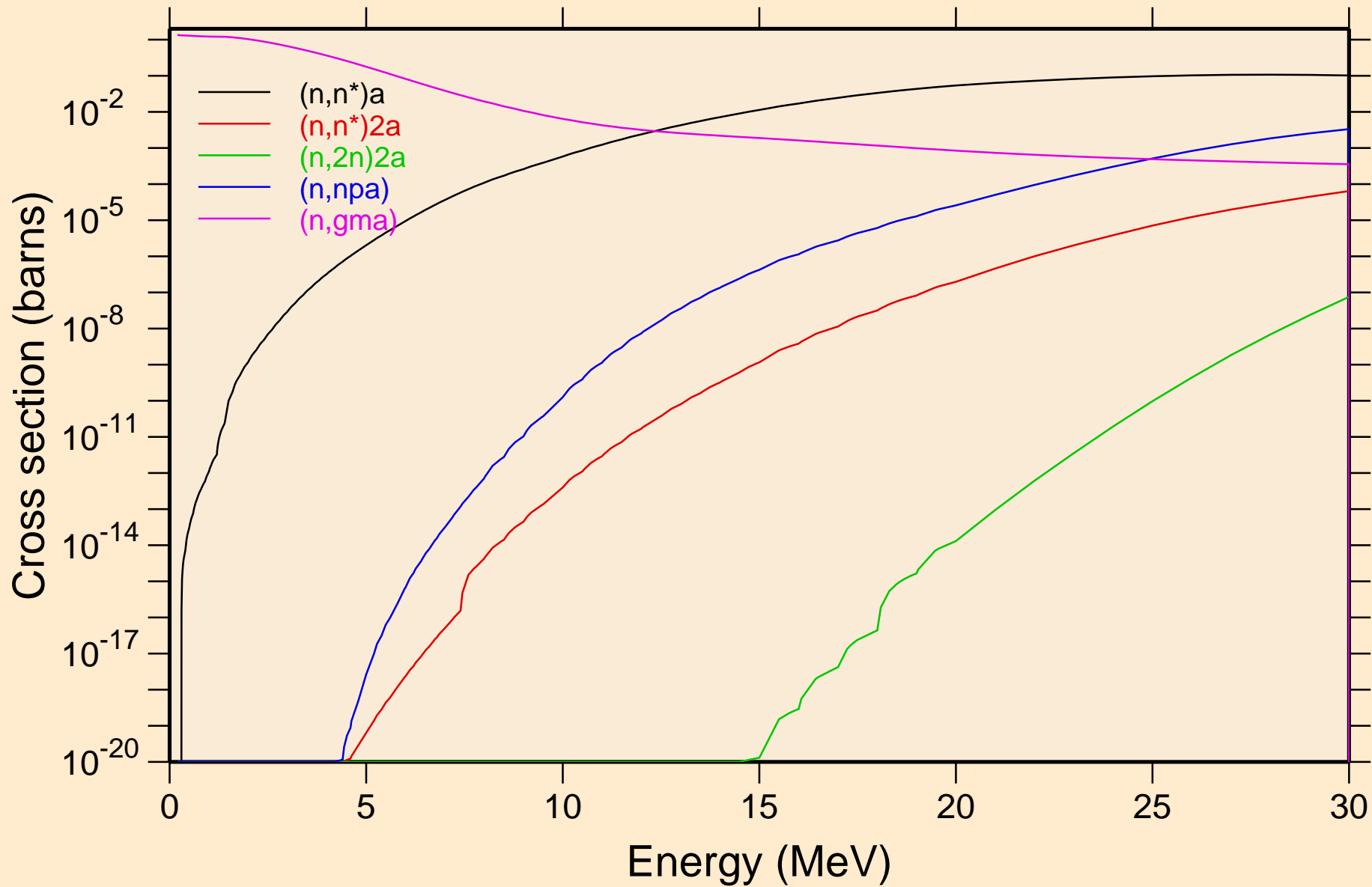


# BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage

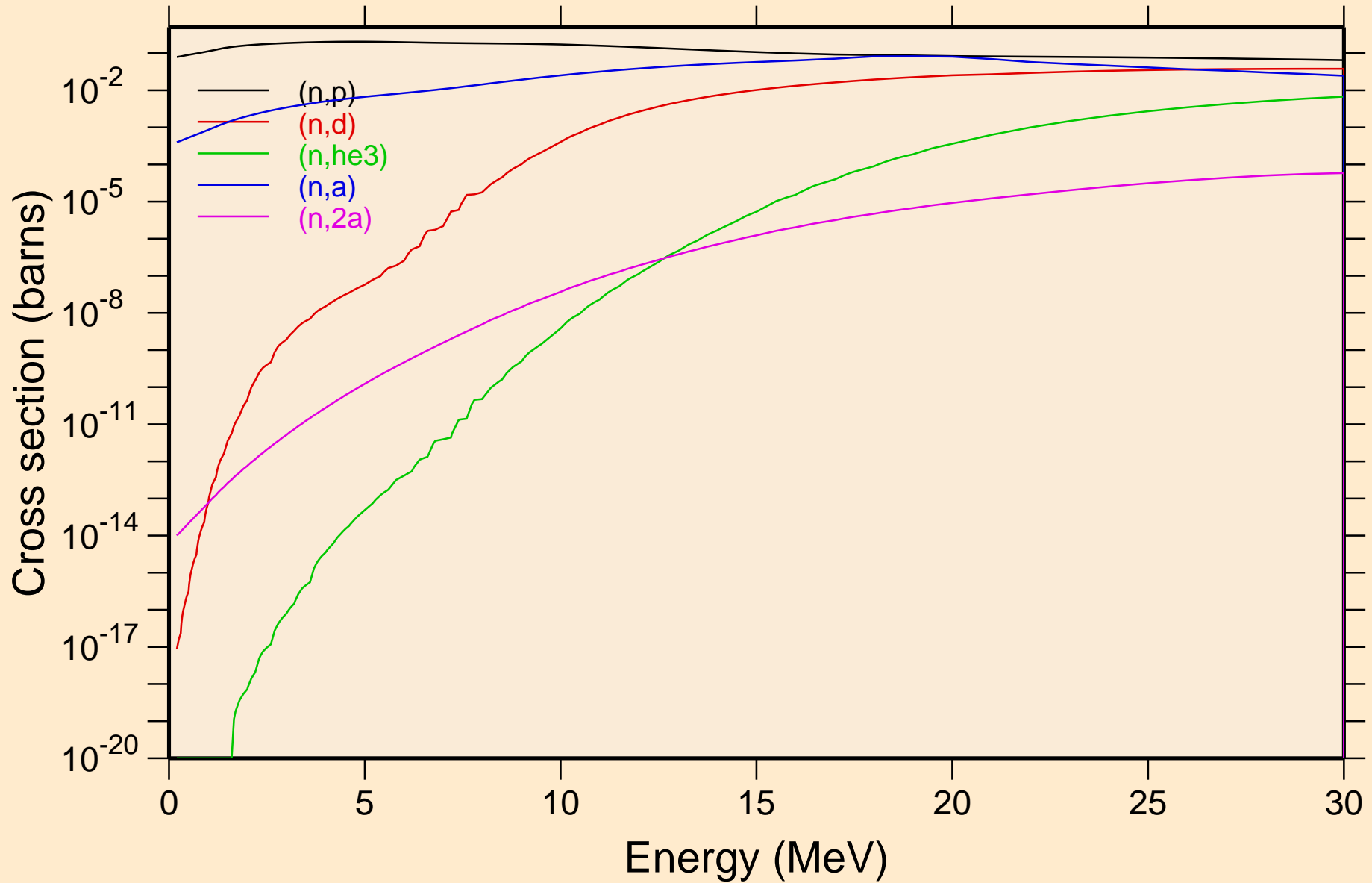


BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

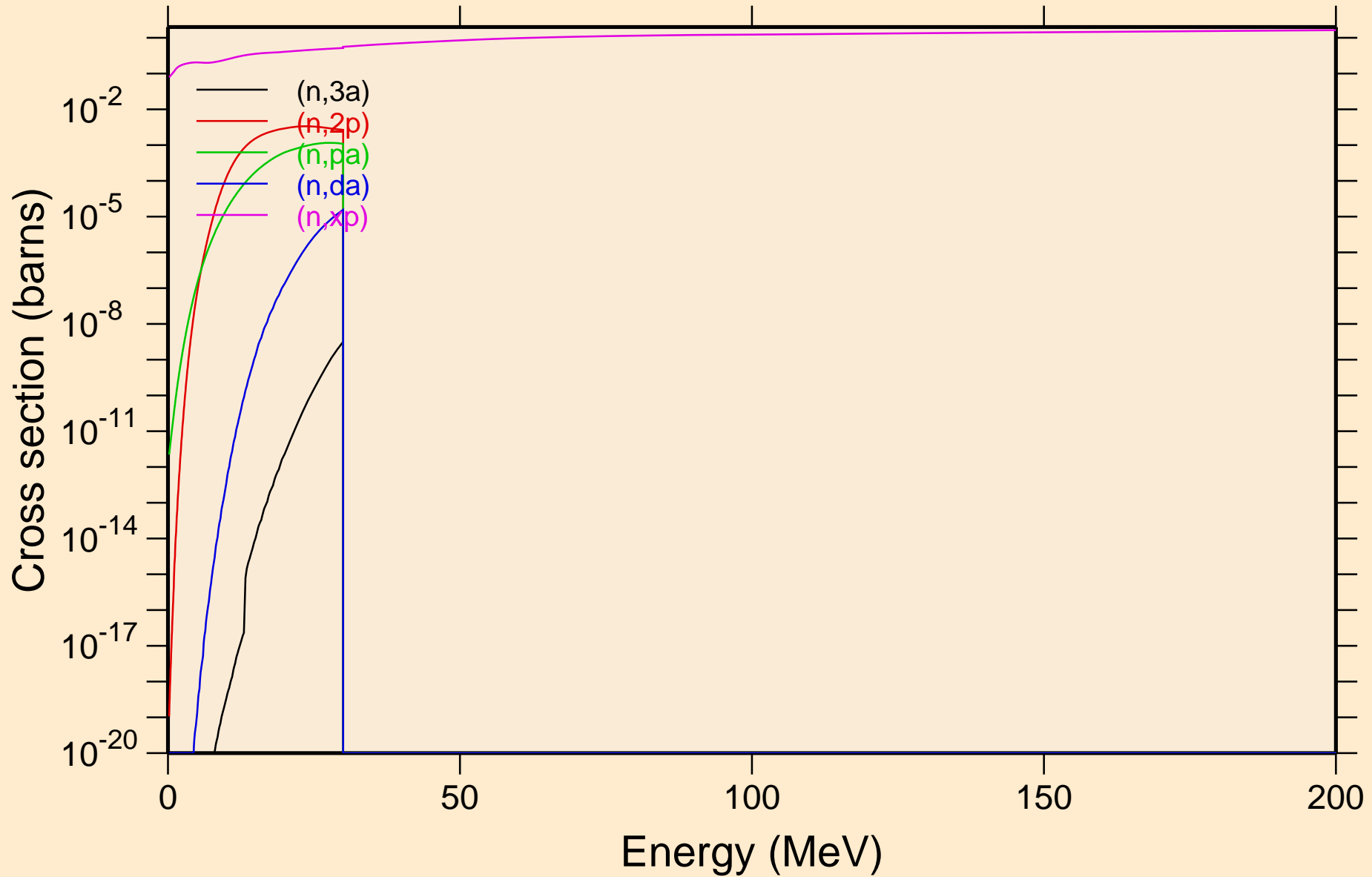


# BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

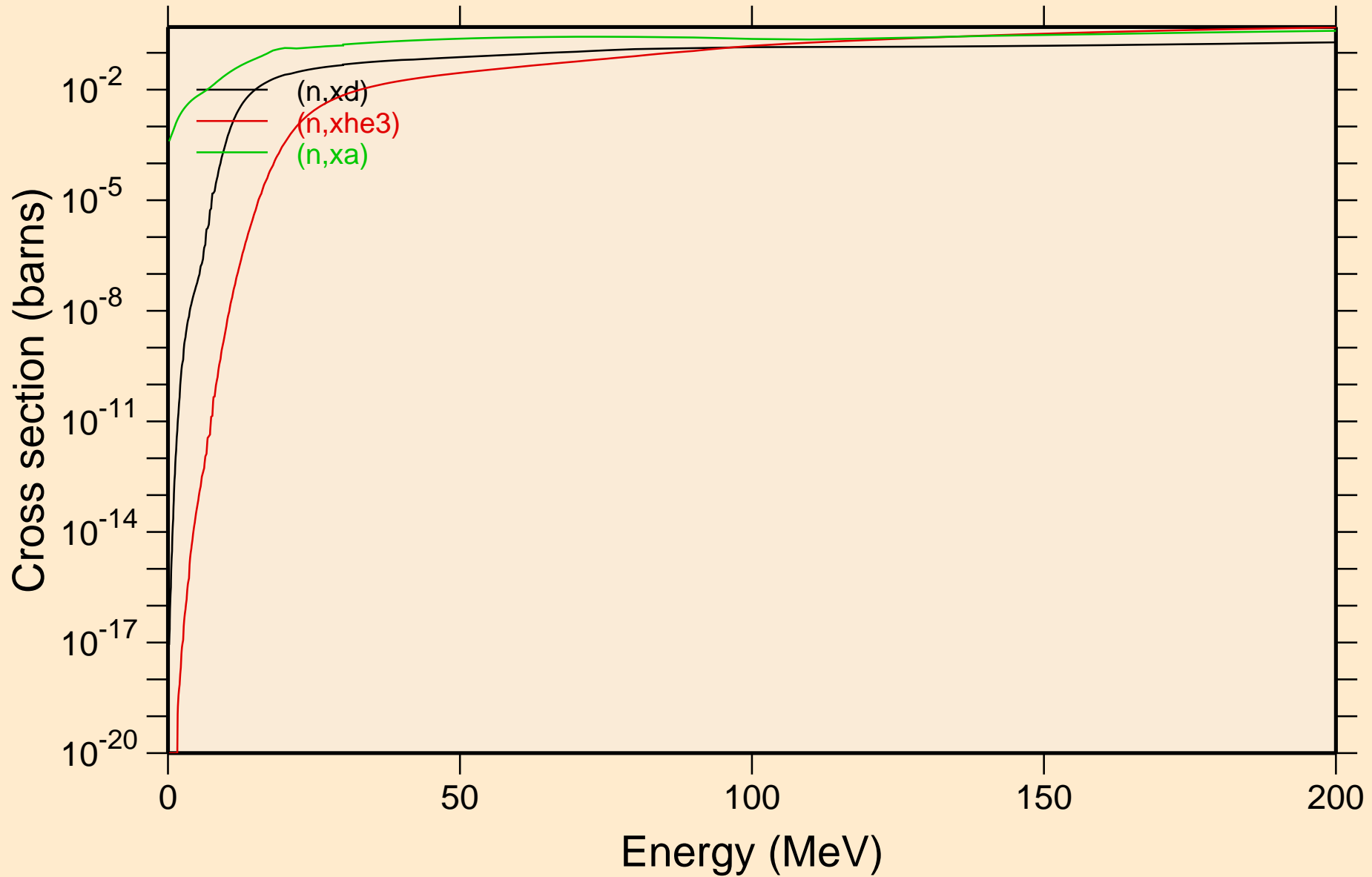
## Non-threshold reactions



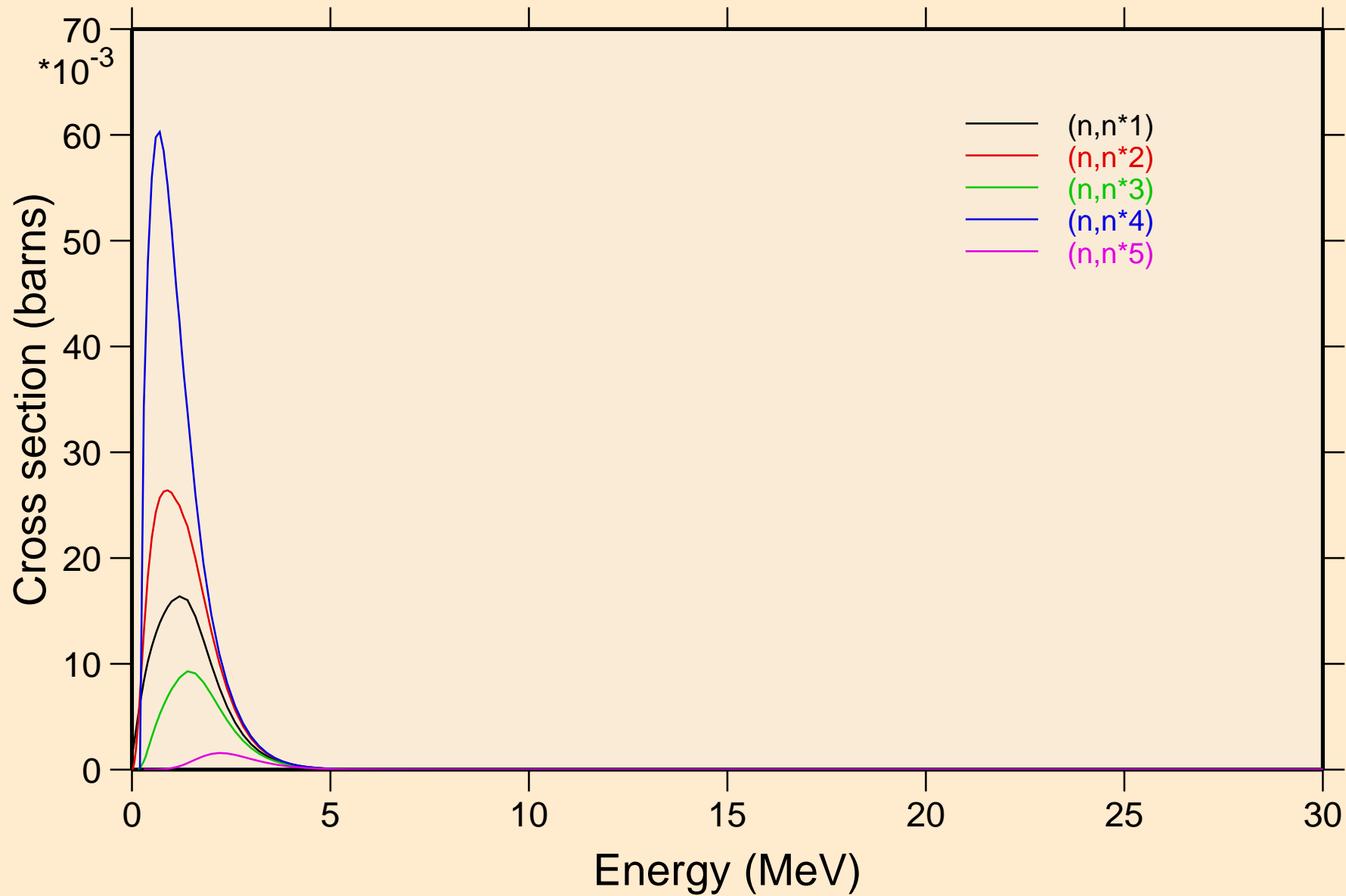
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



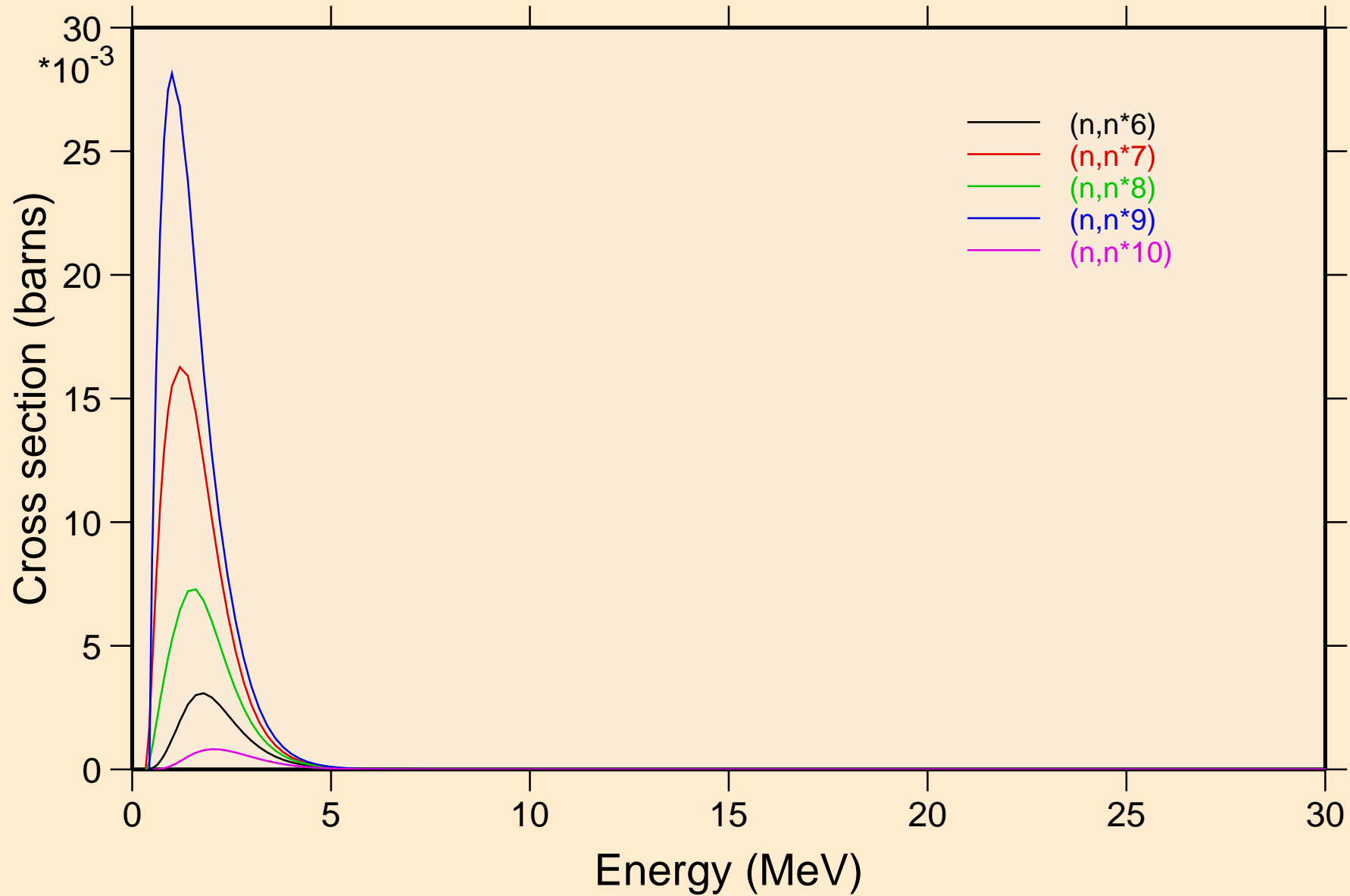
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

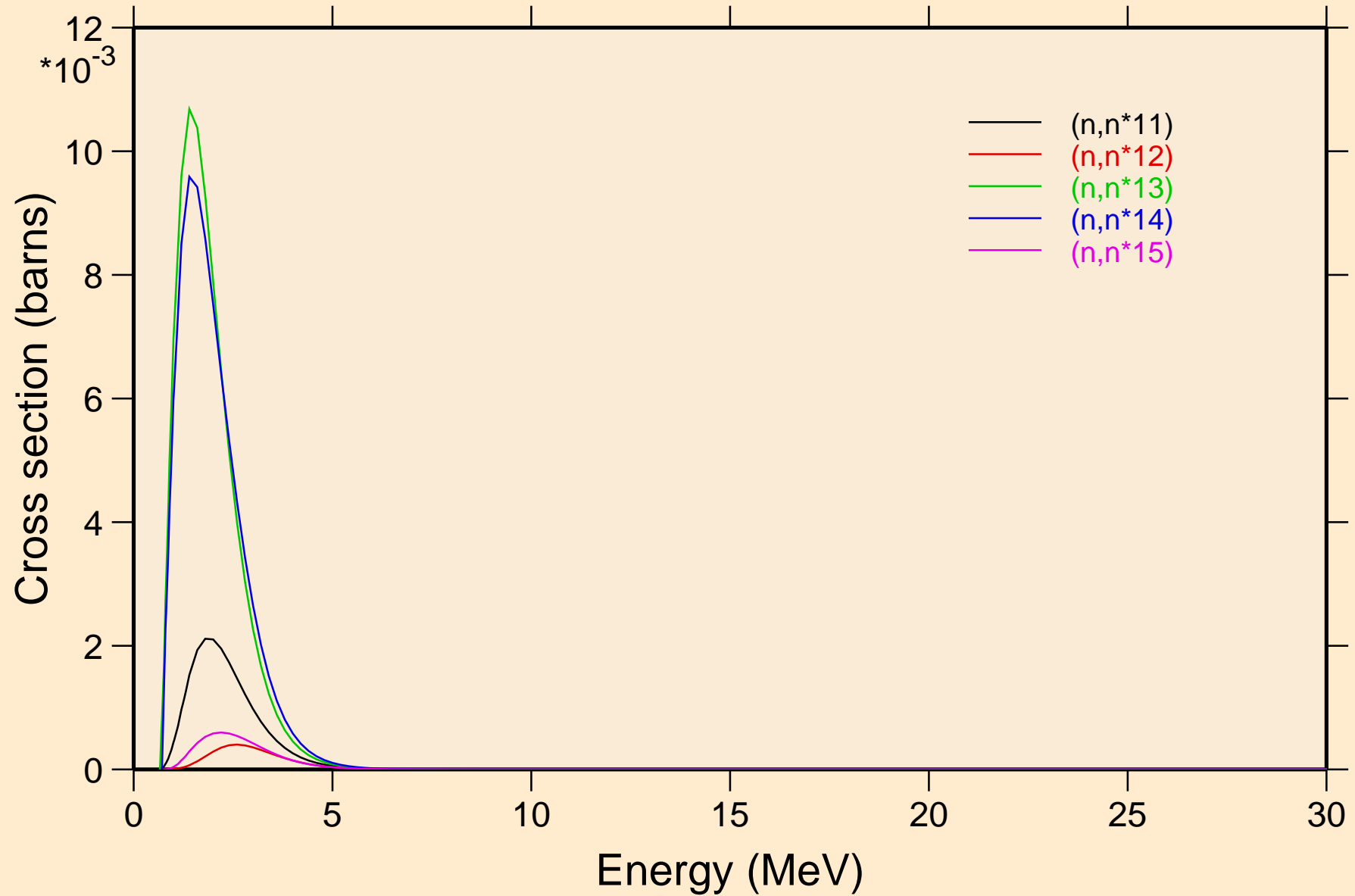


BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

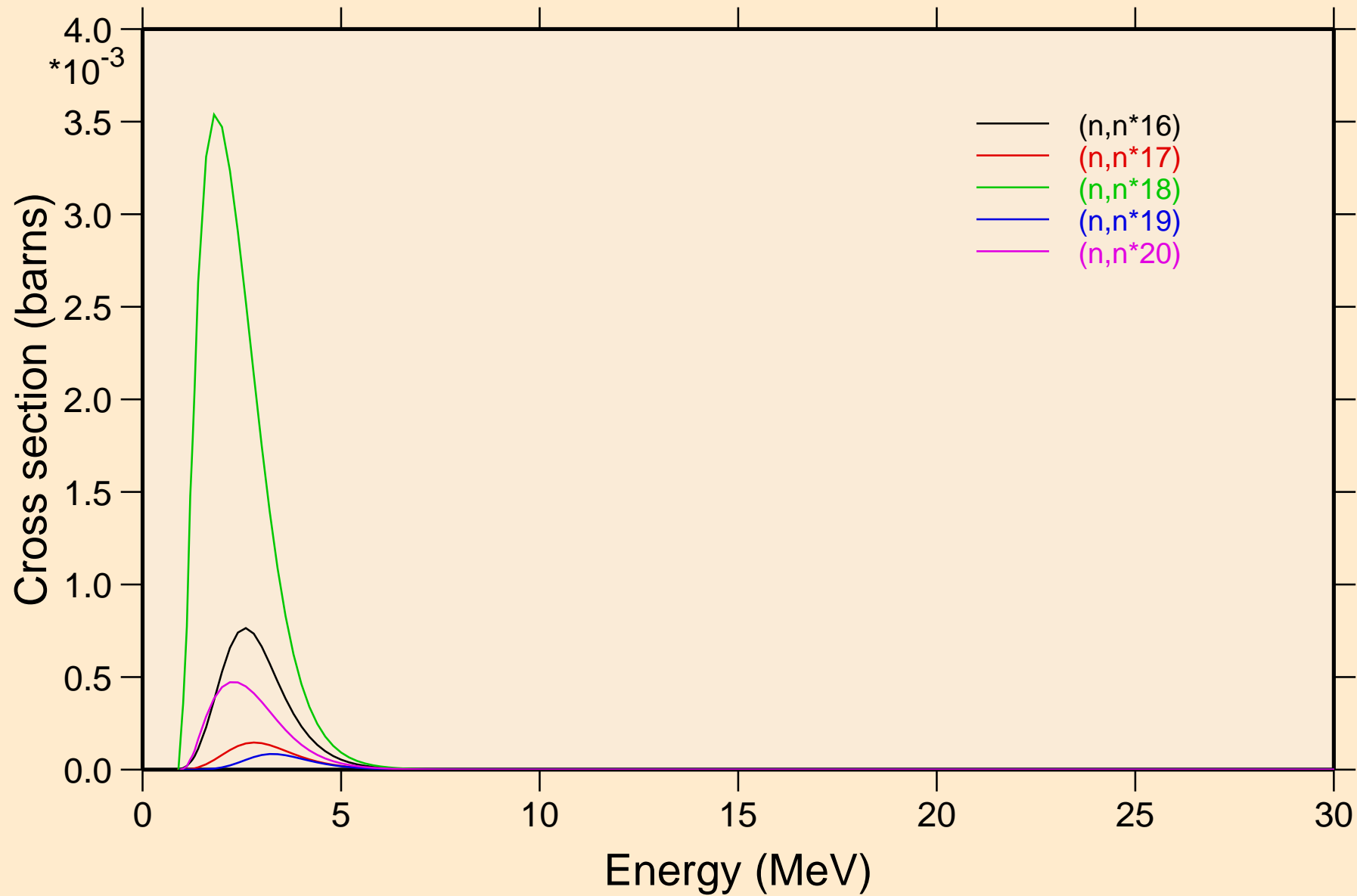




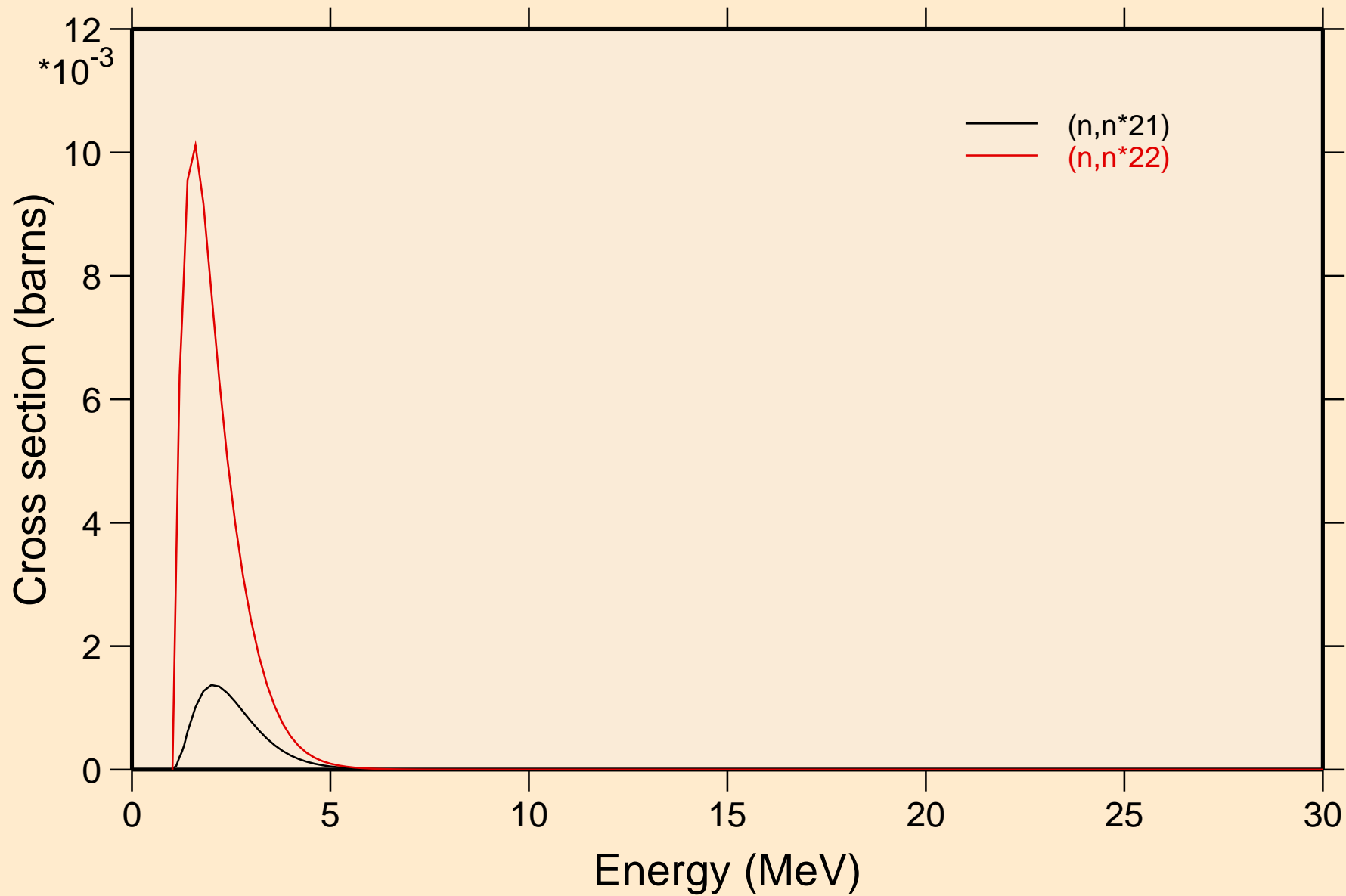
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

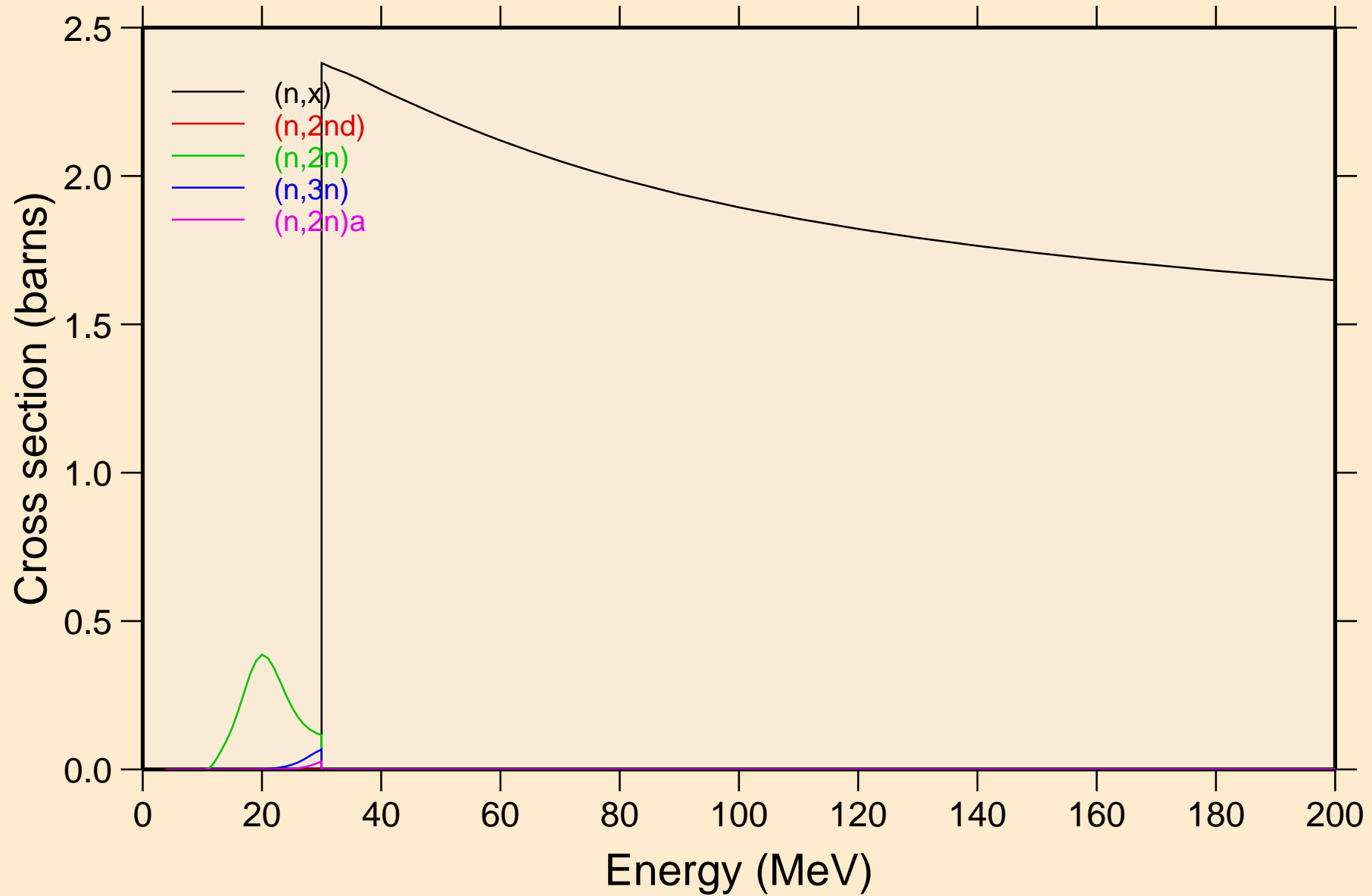


BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



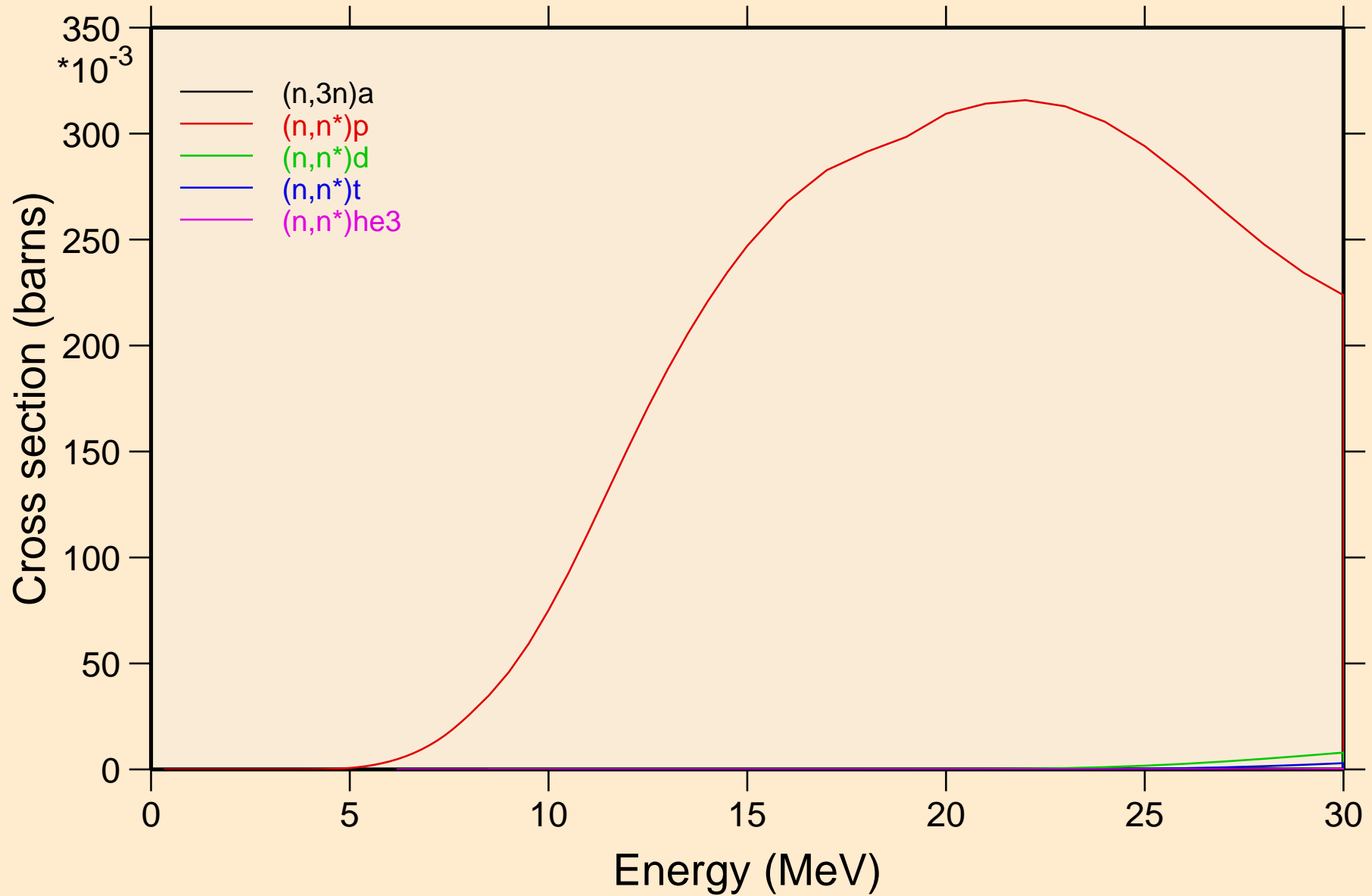
# BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

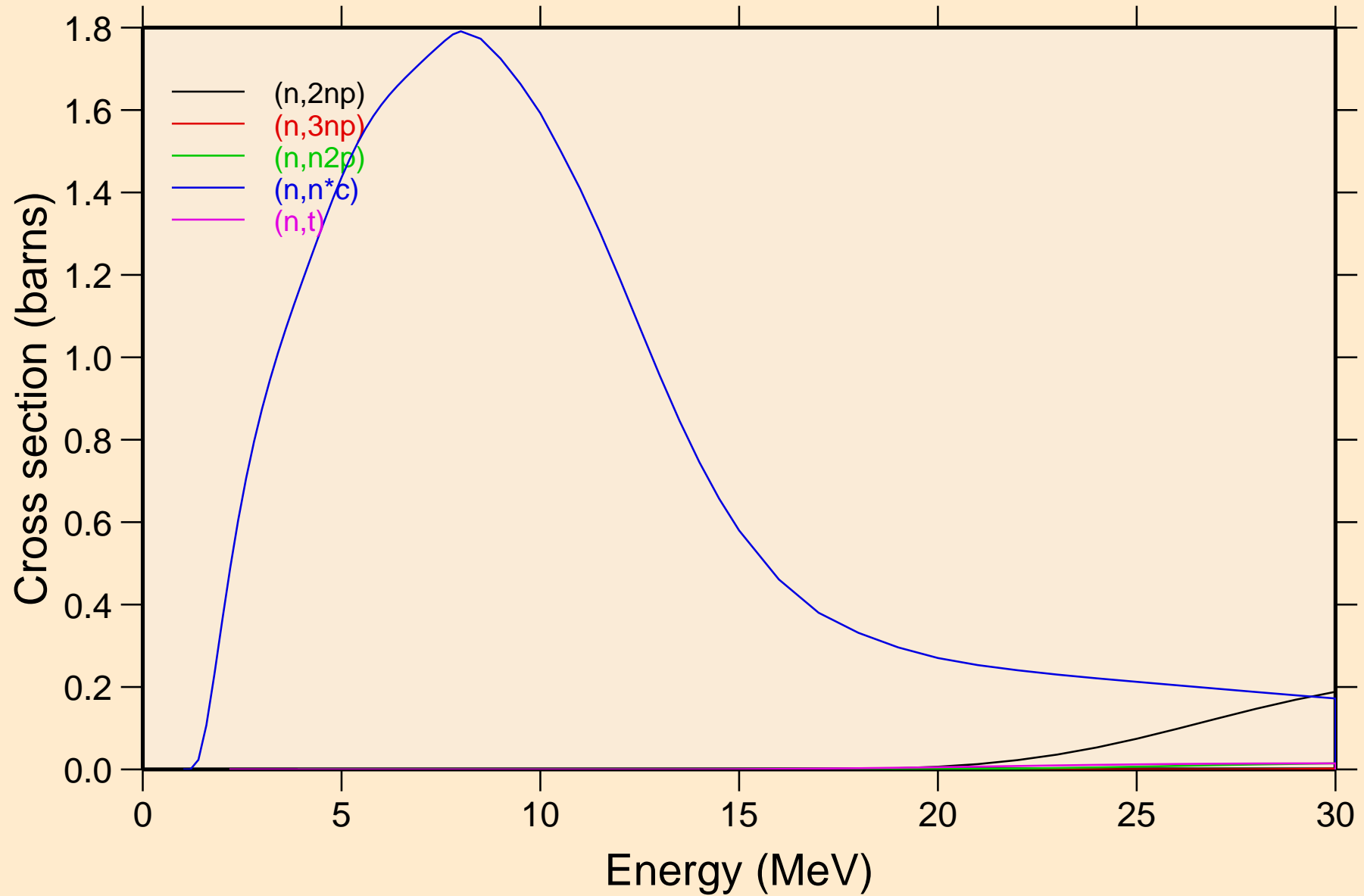


# BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

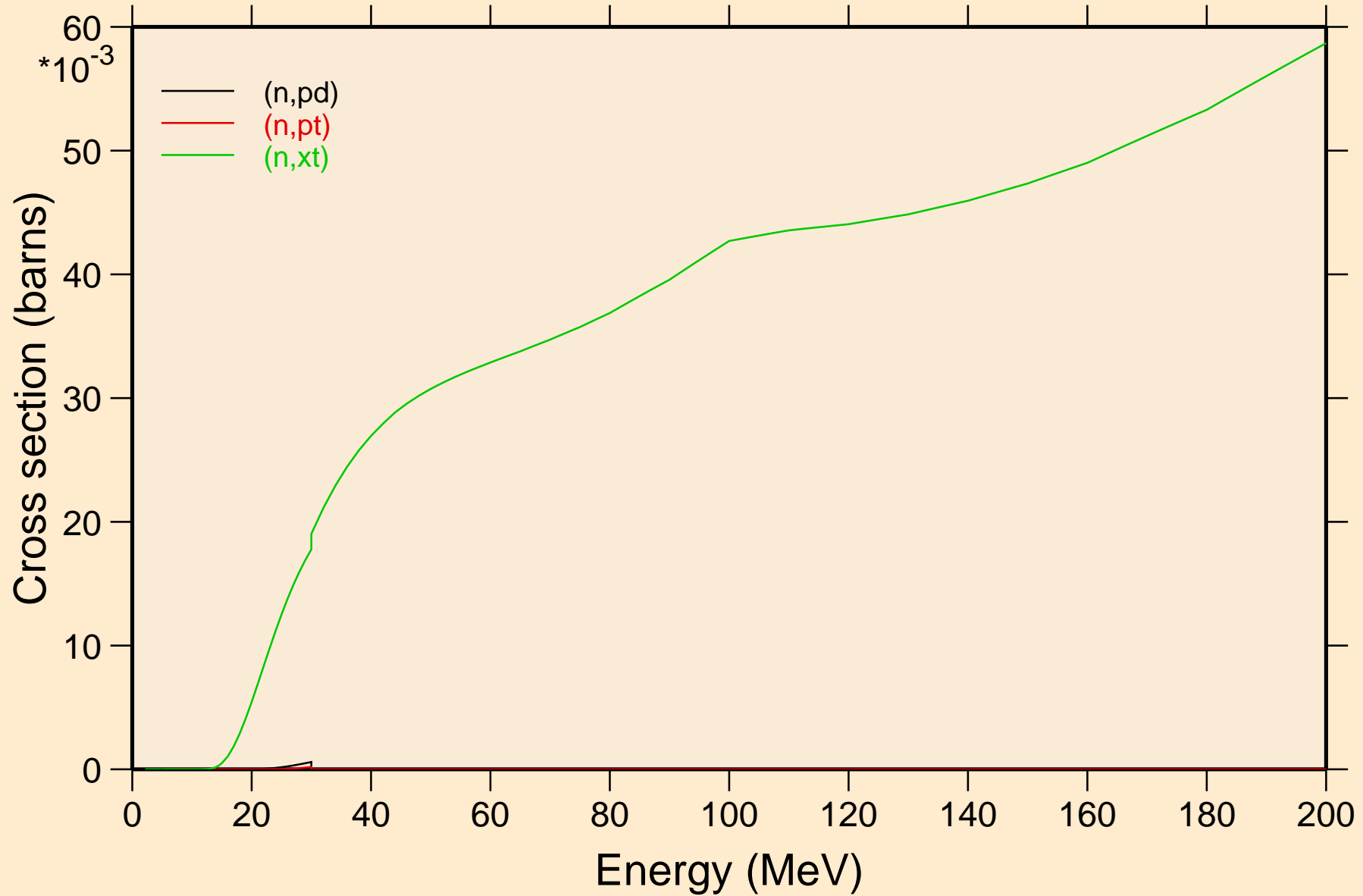
## Threshold reactions



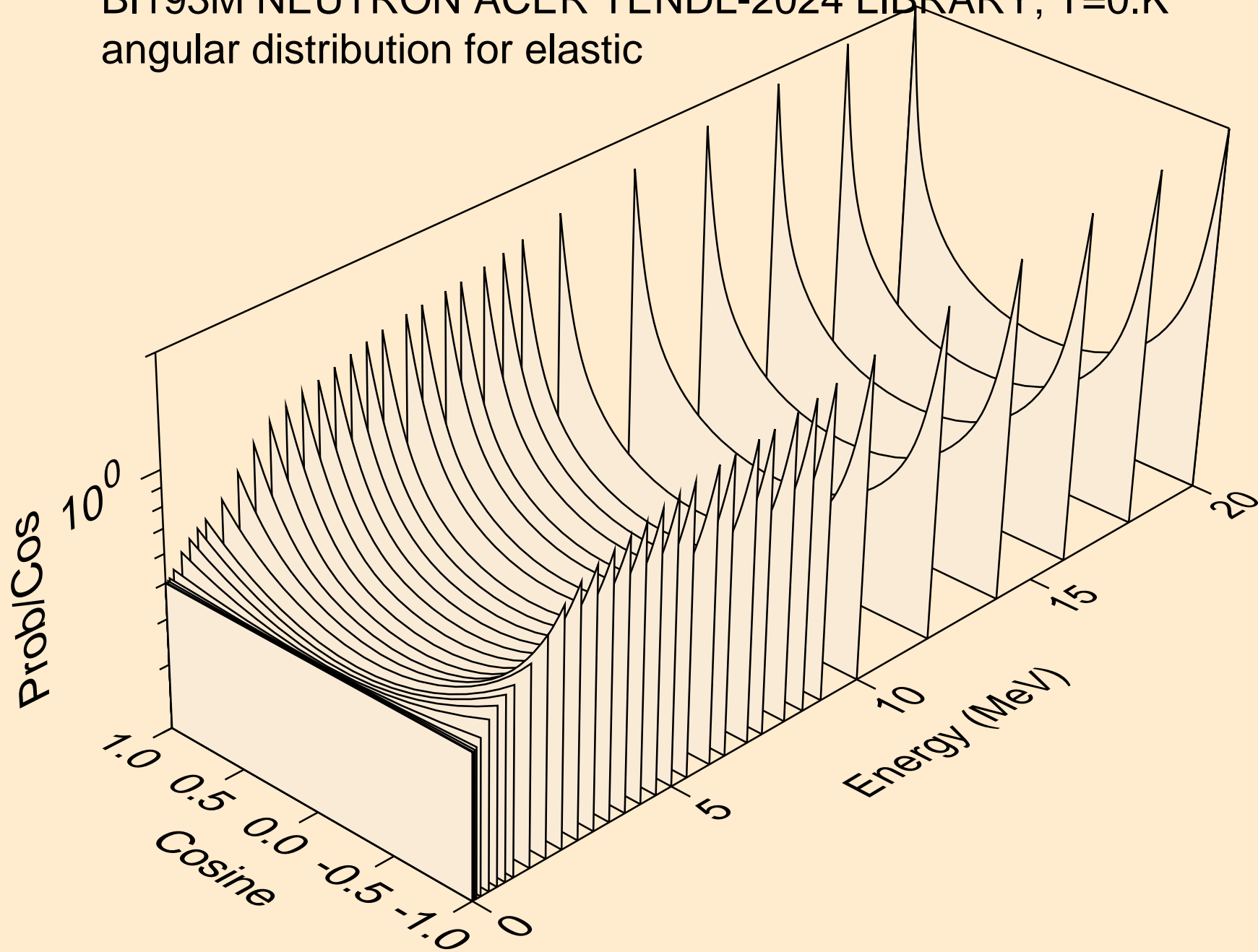
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

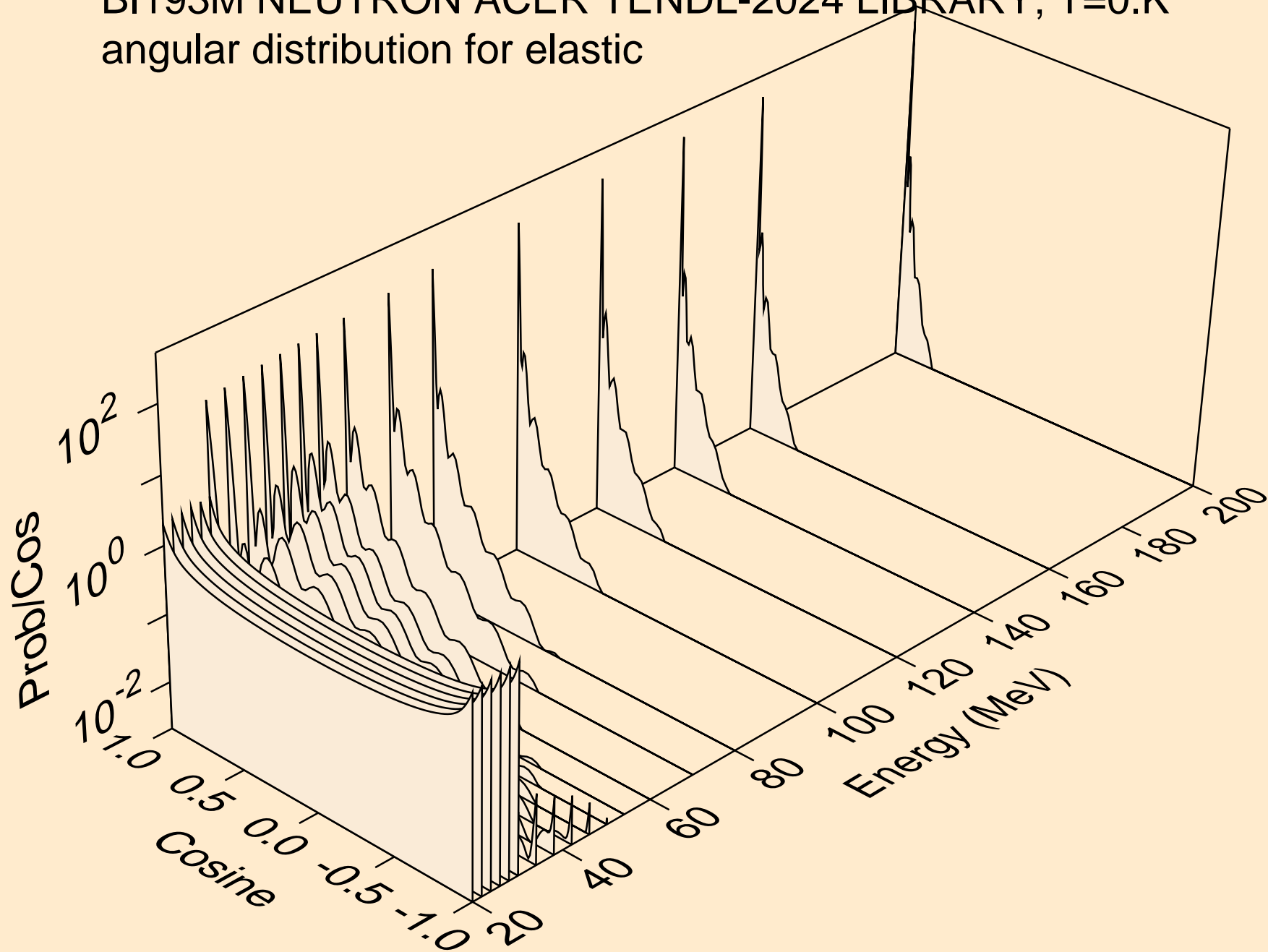


BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

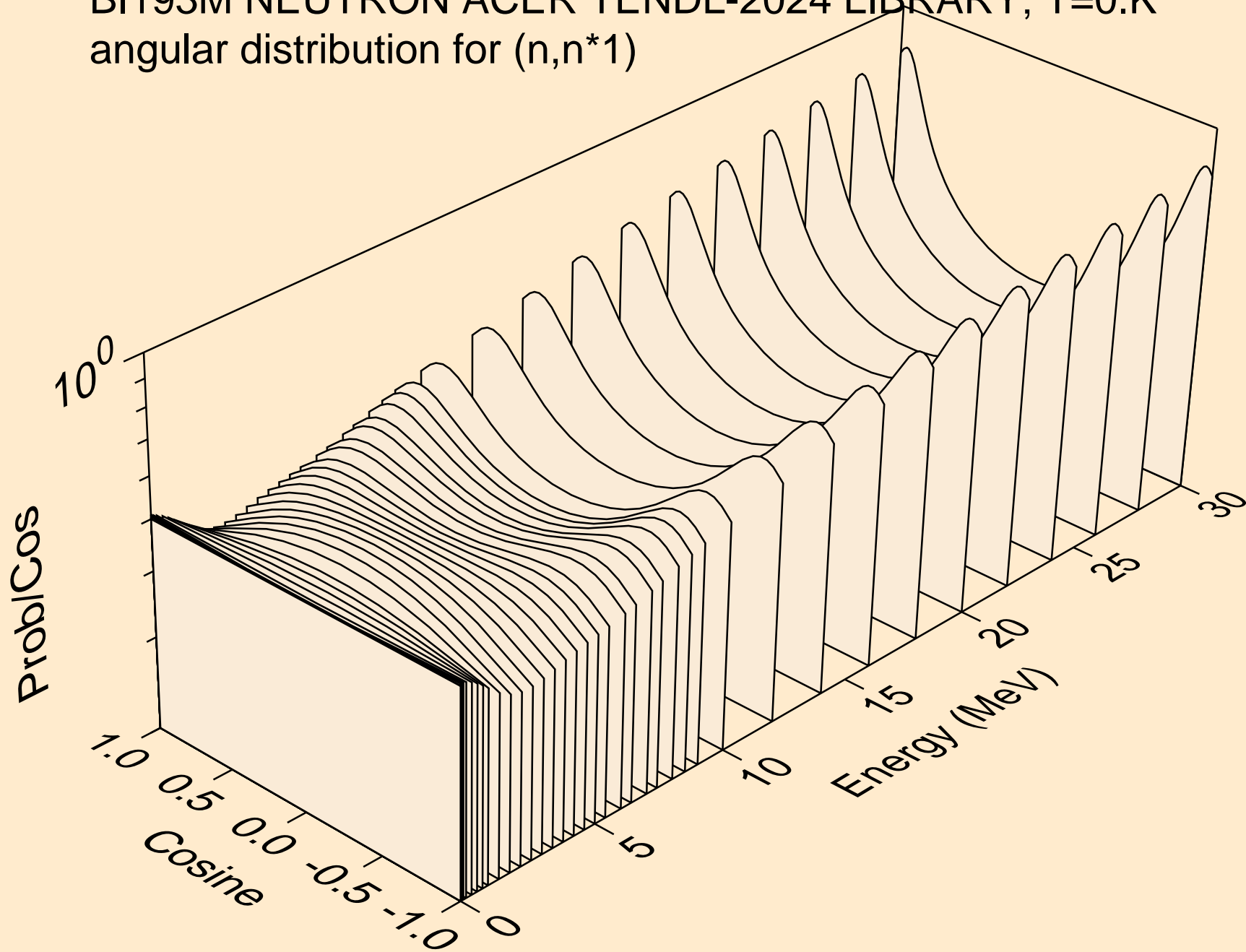




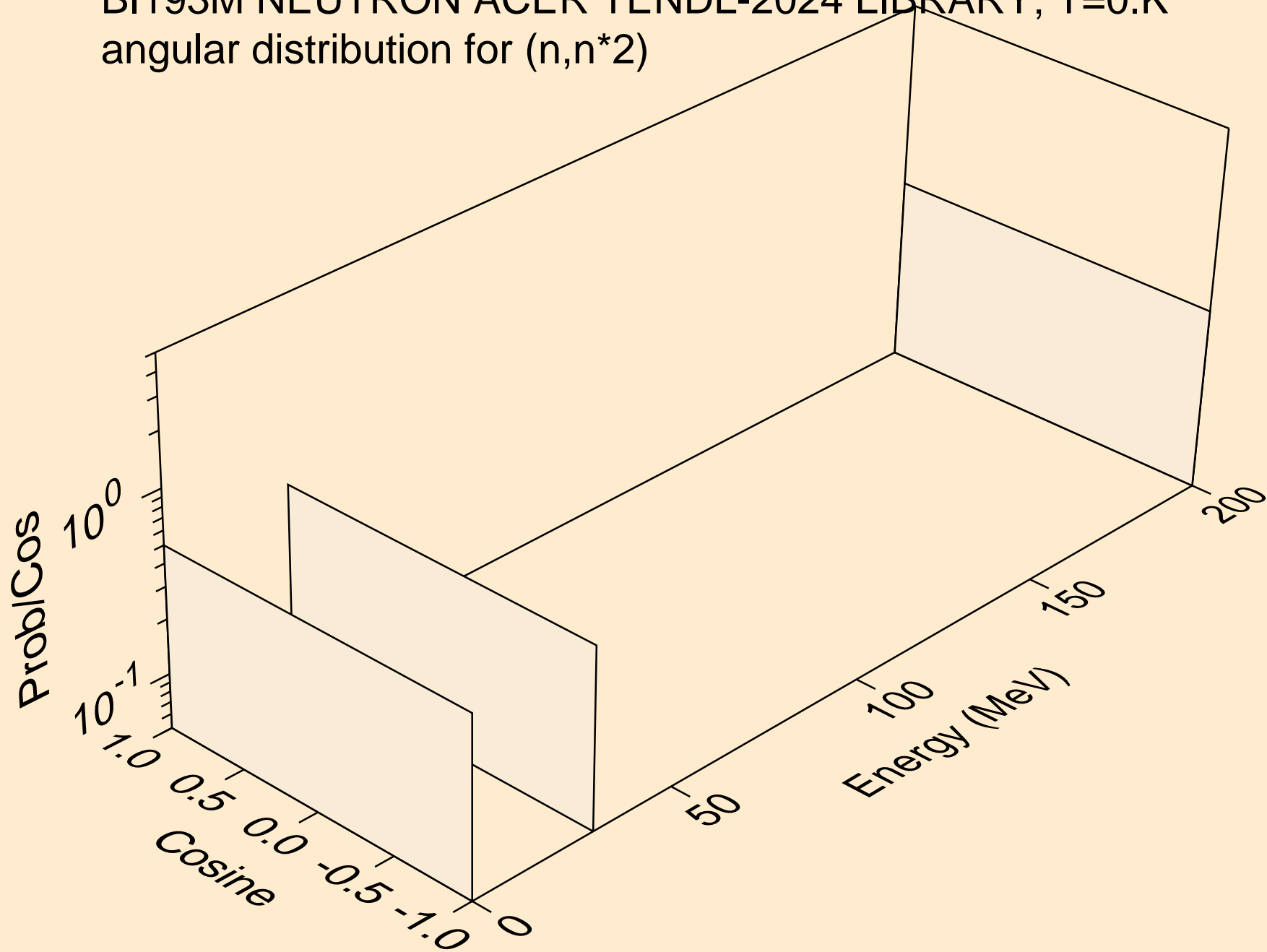
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



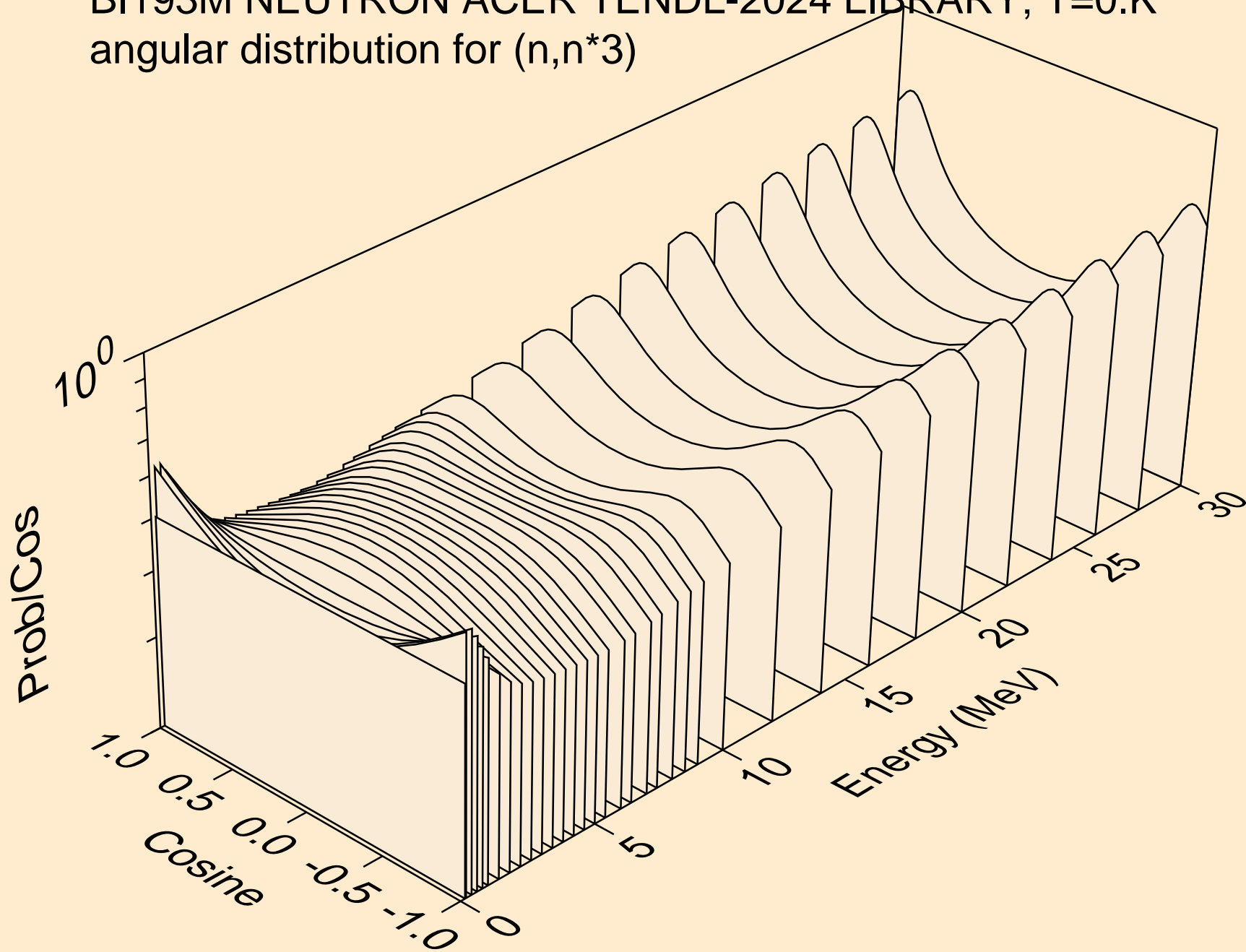
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



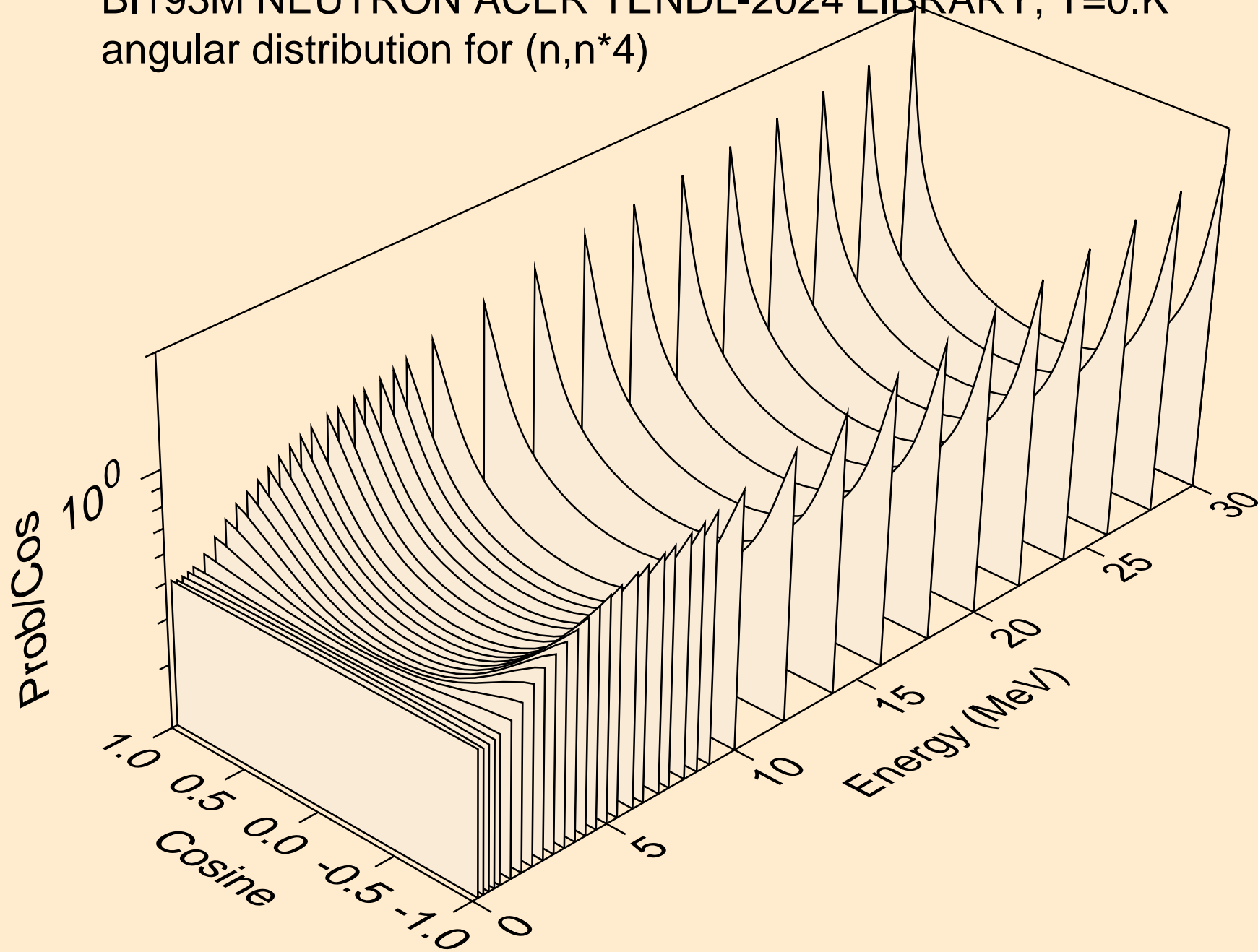
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



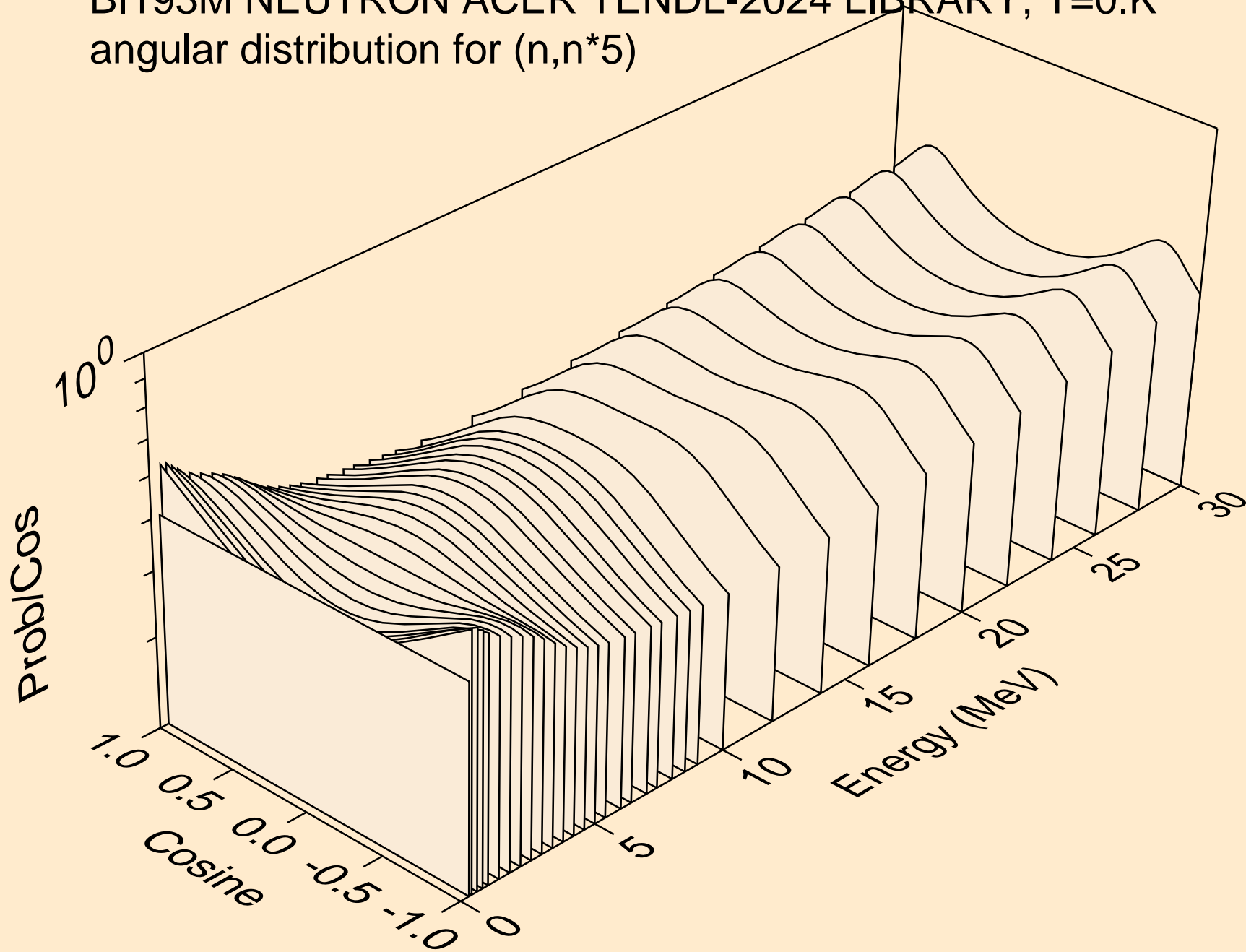
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



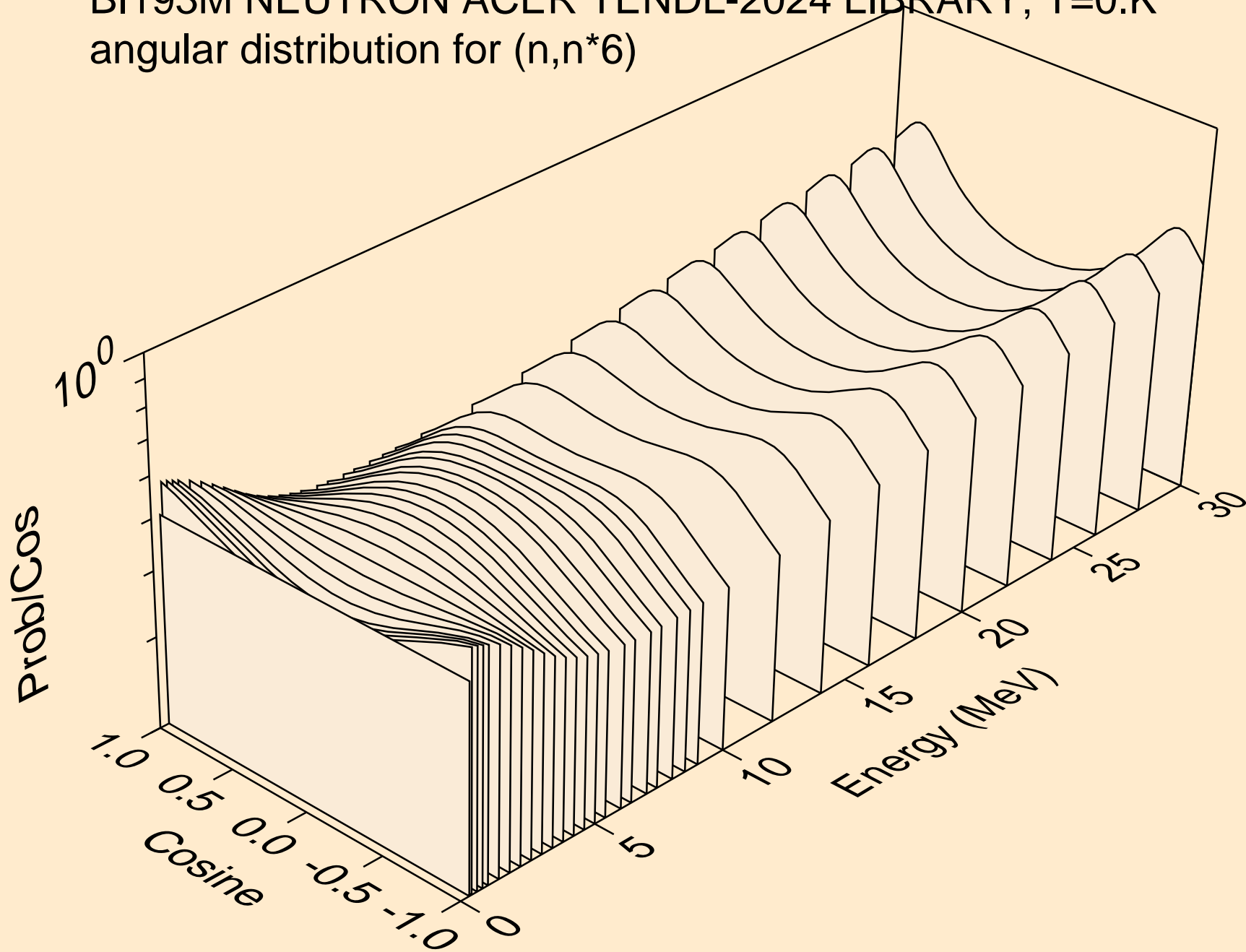
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



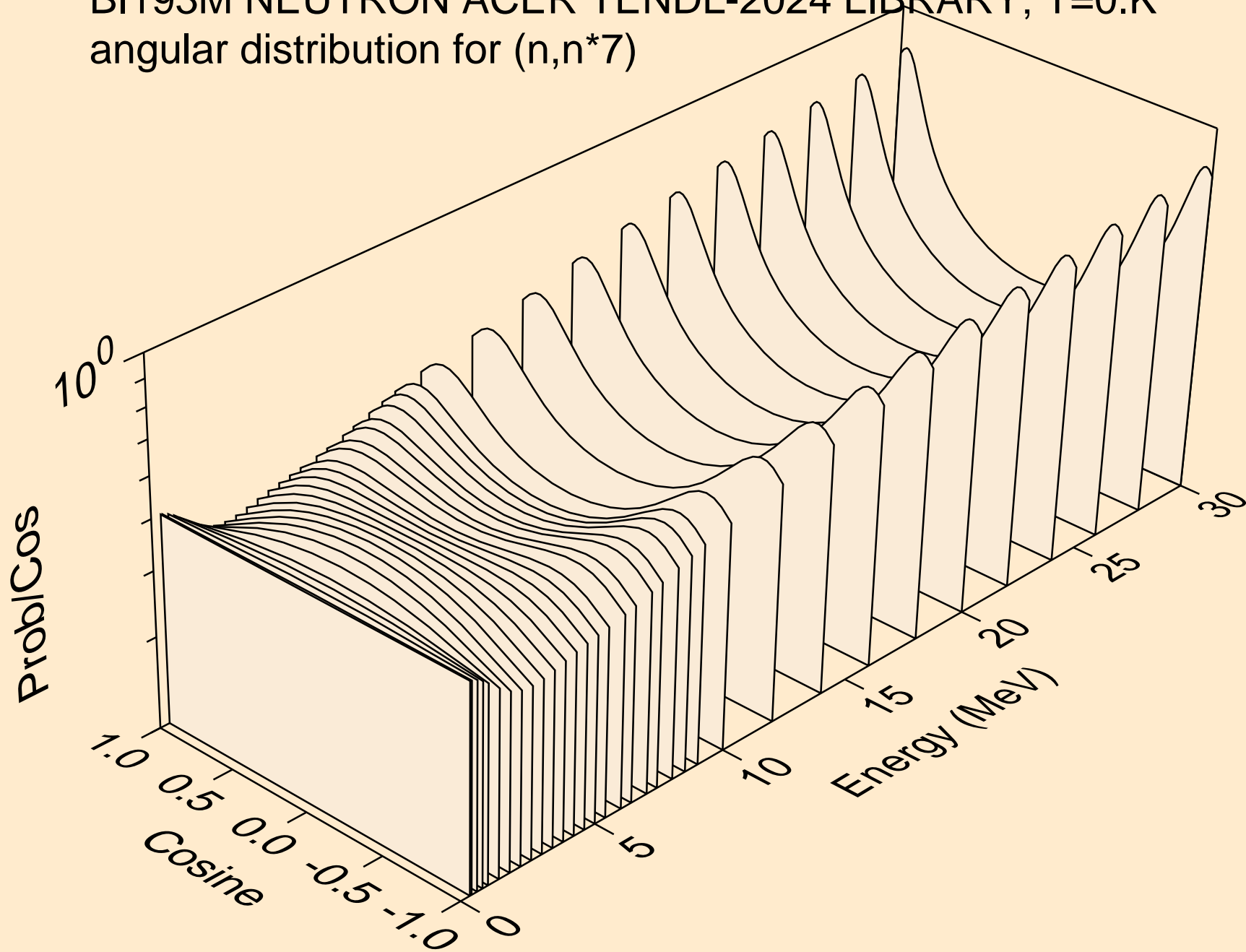
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)

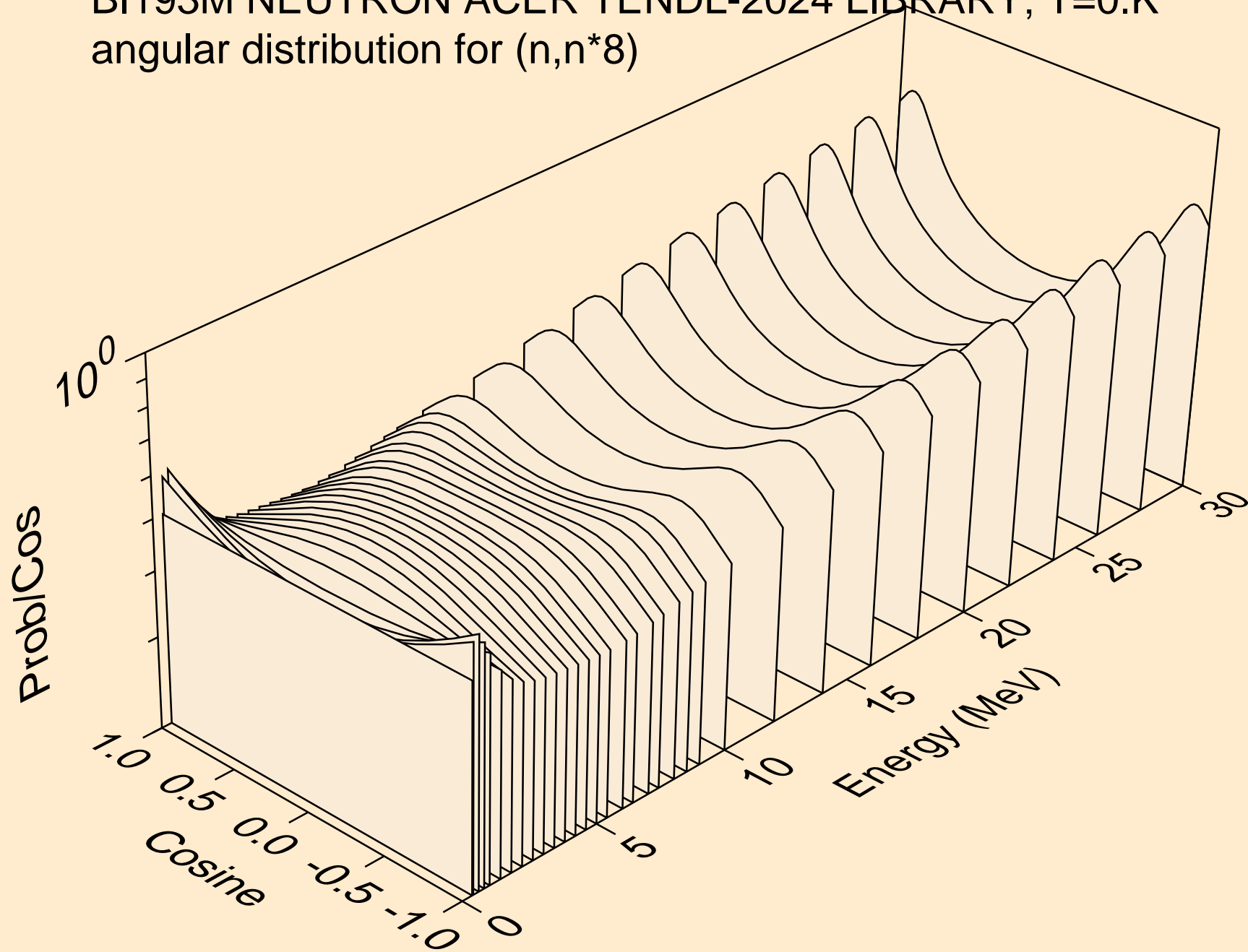


BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)

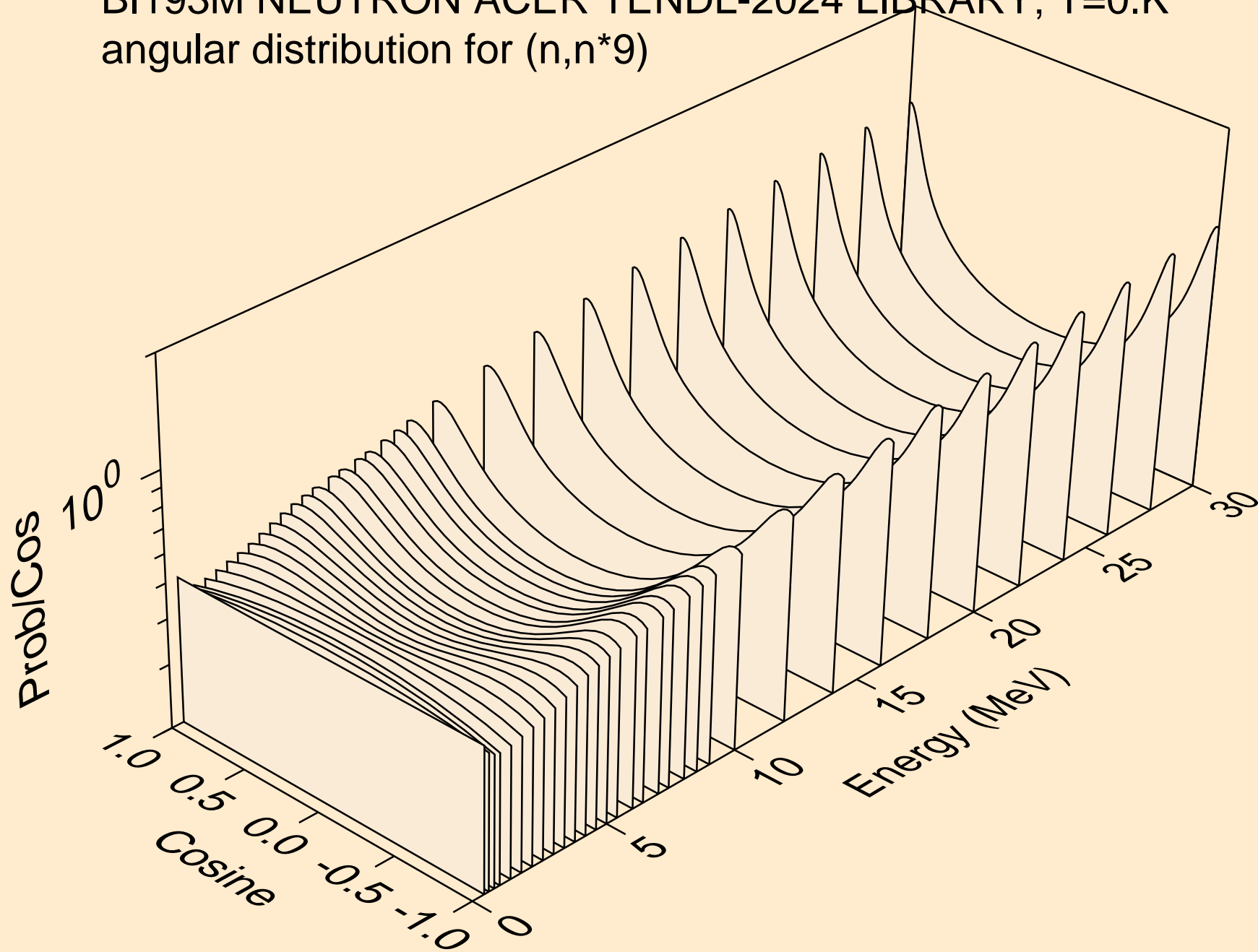




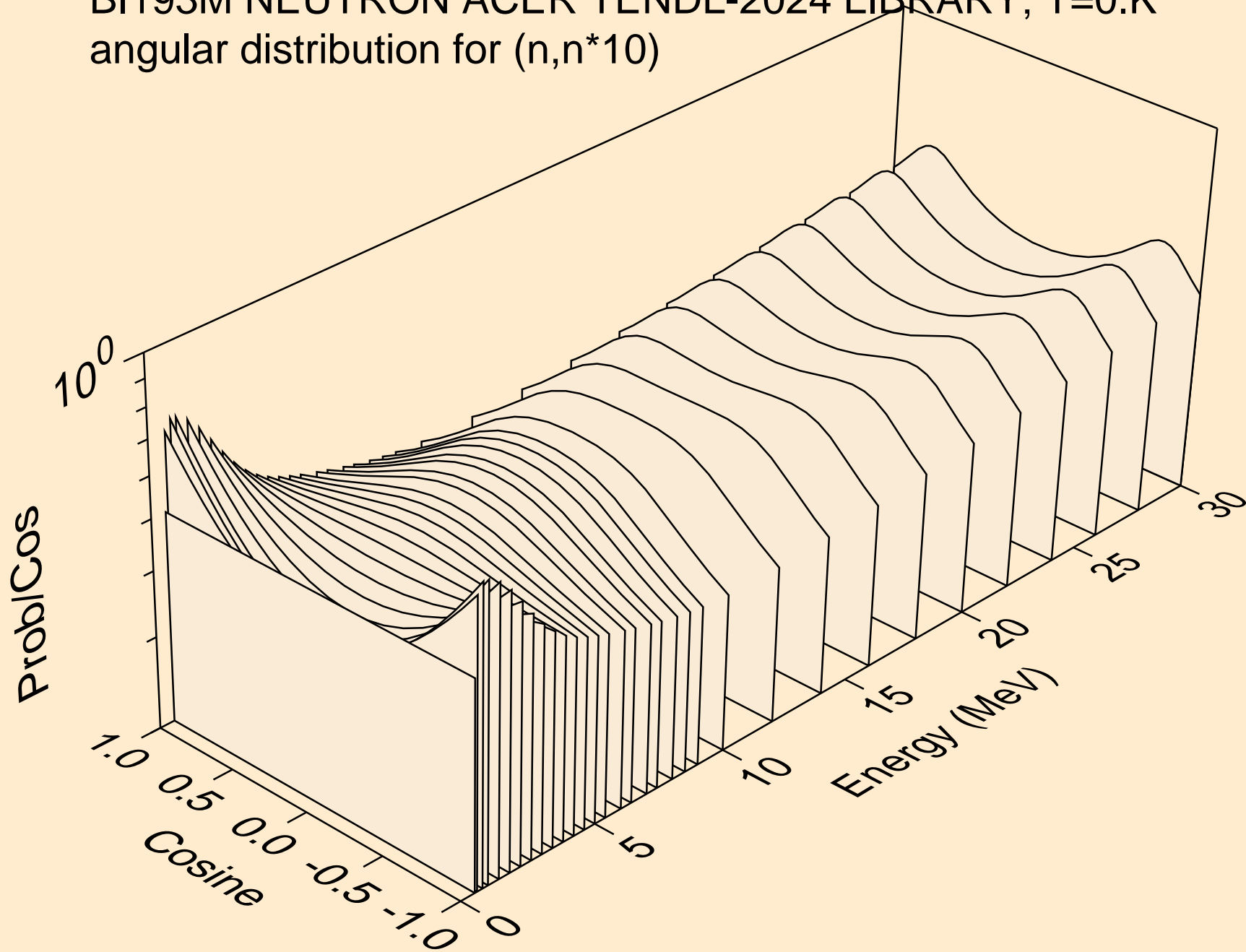
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



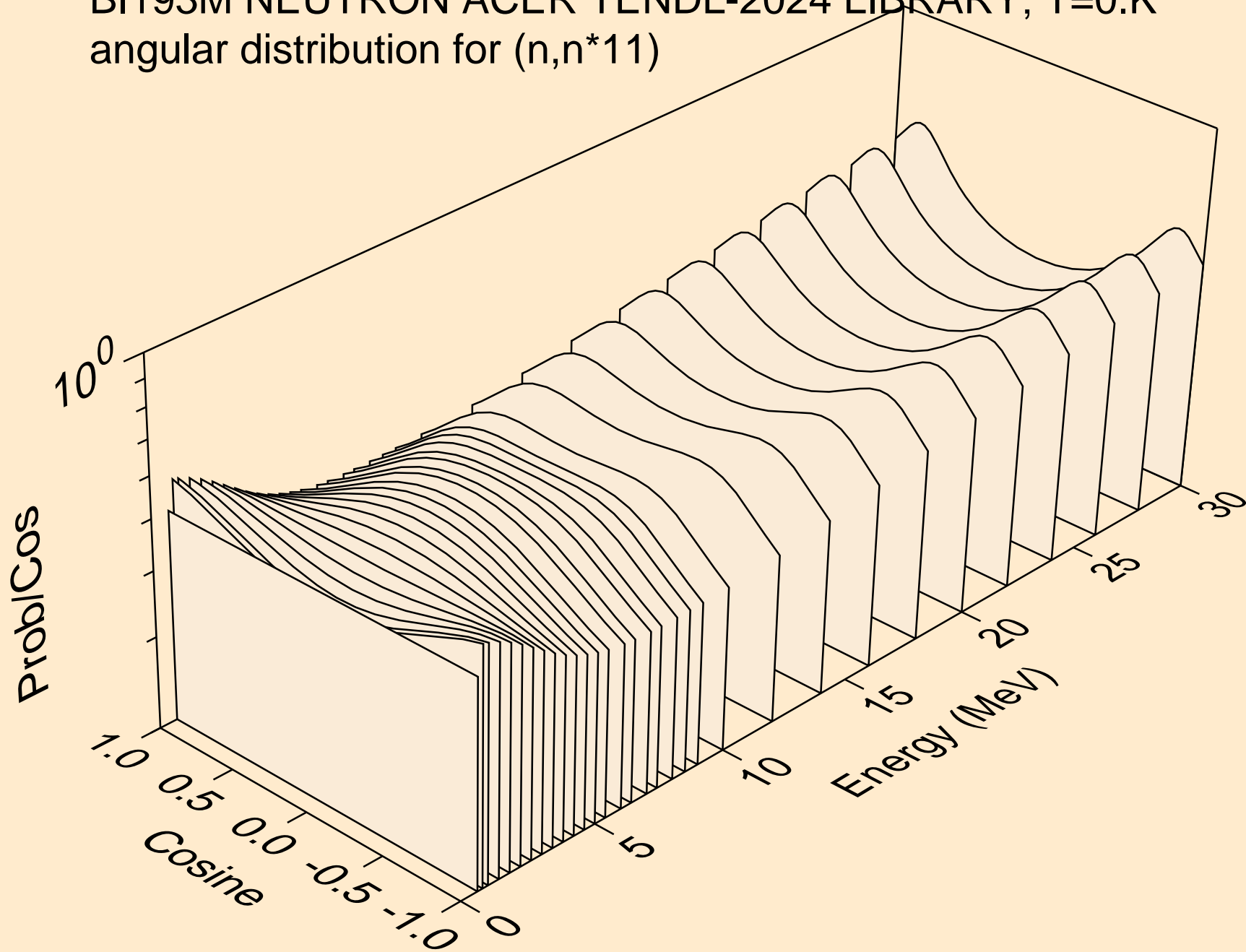
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



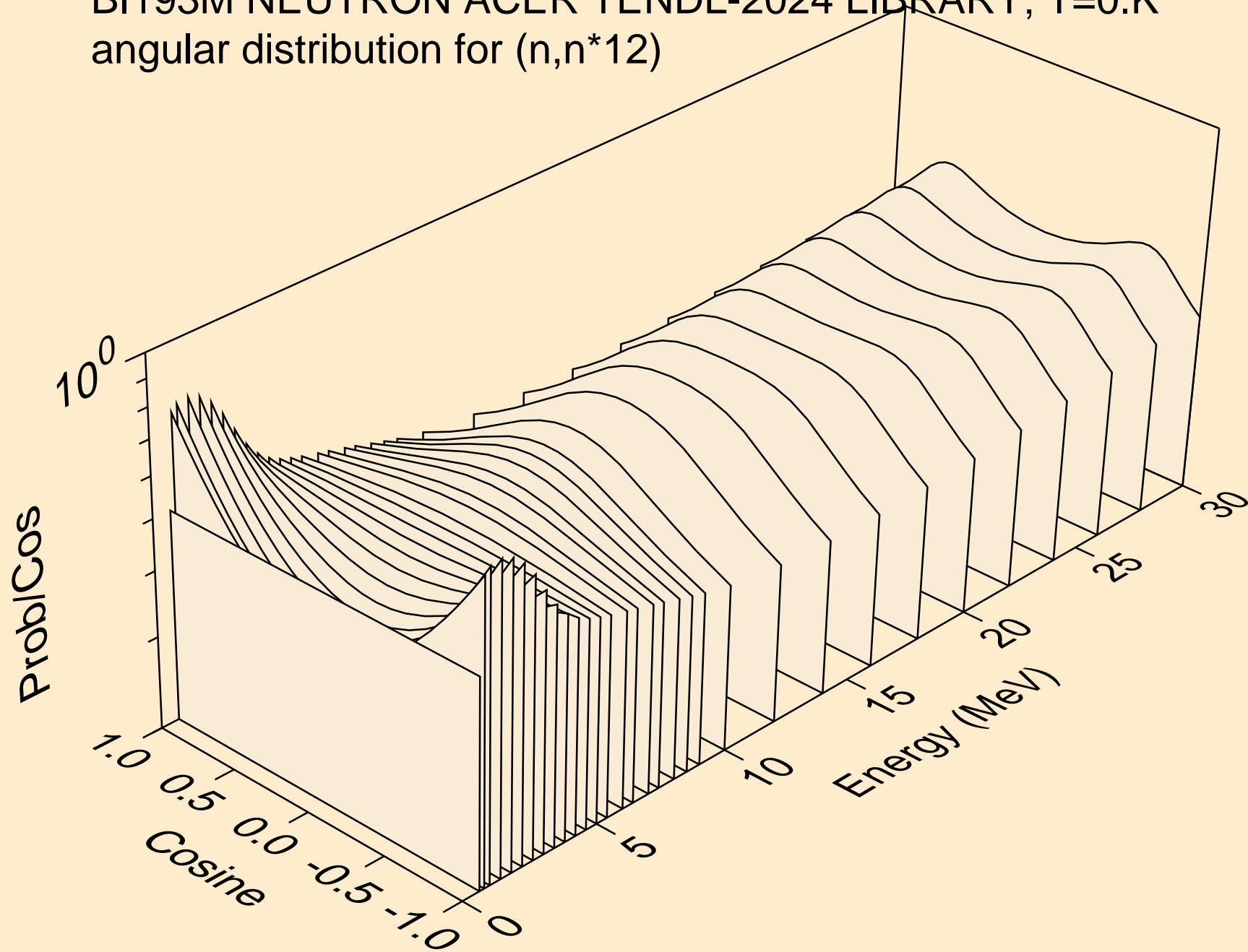
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



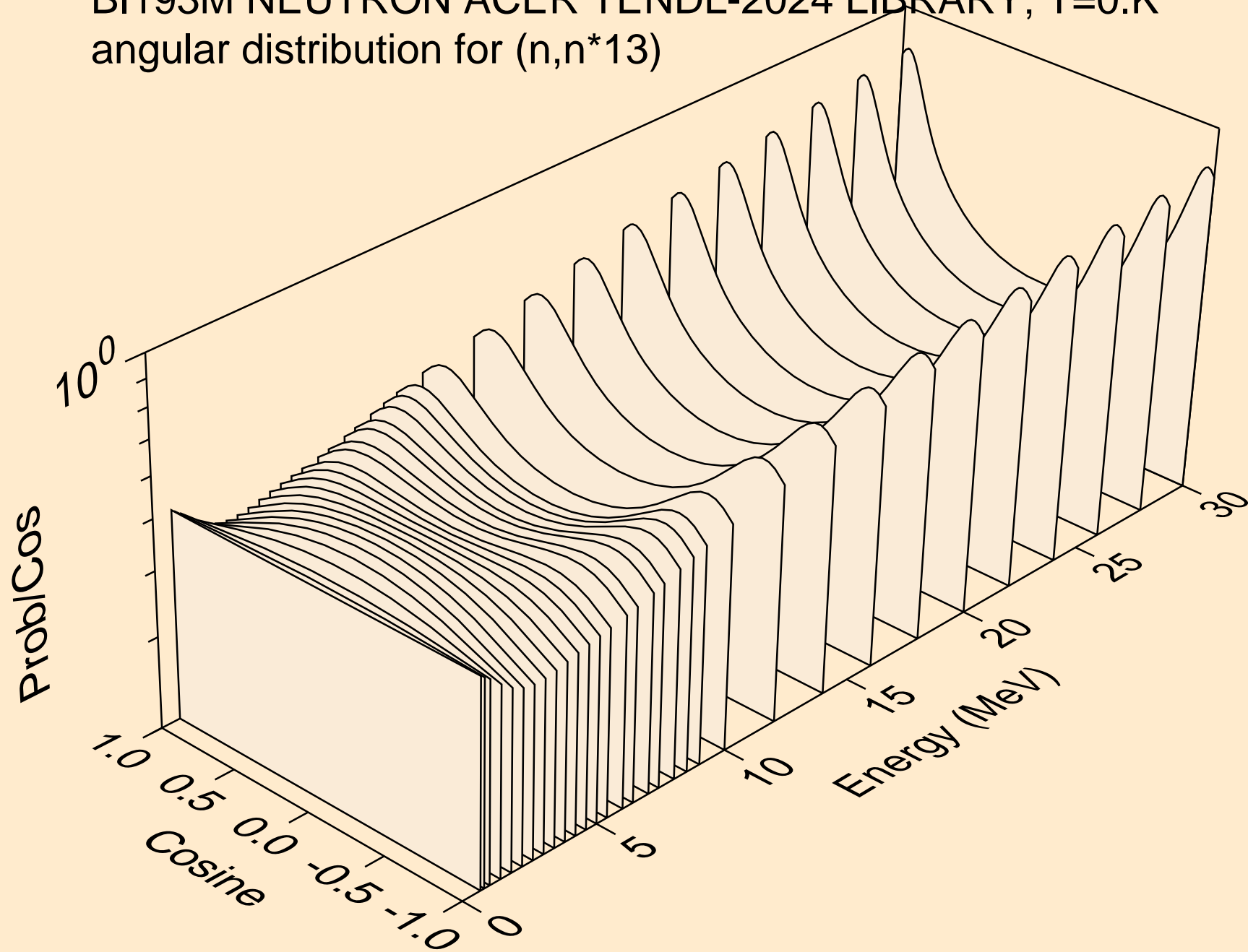
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



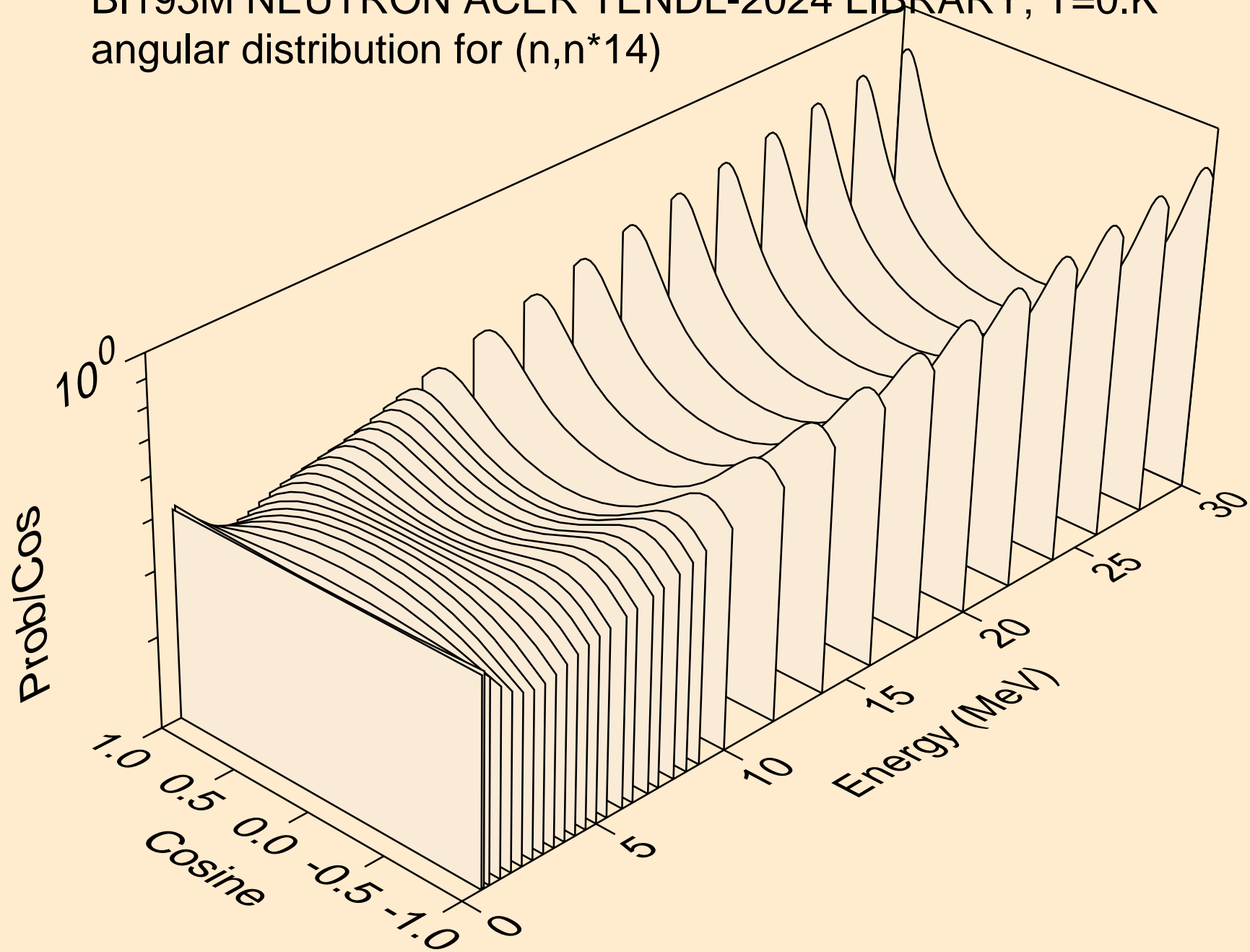
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



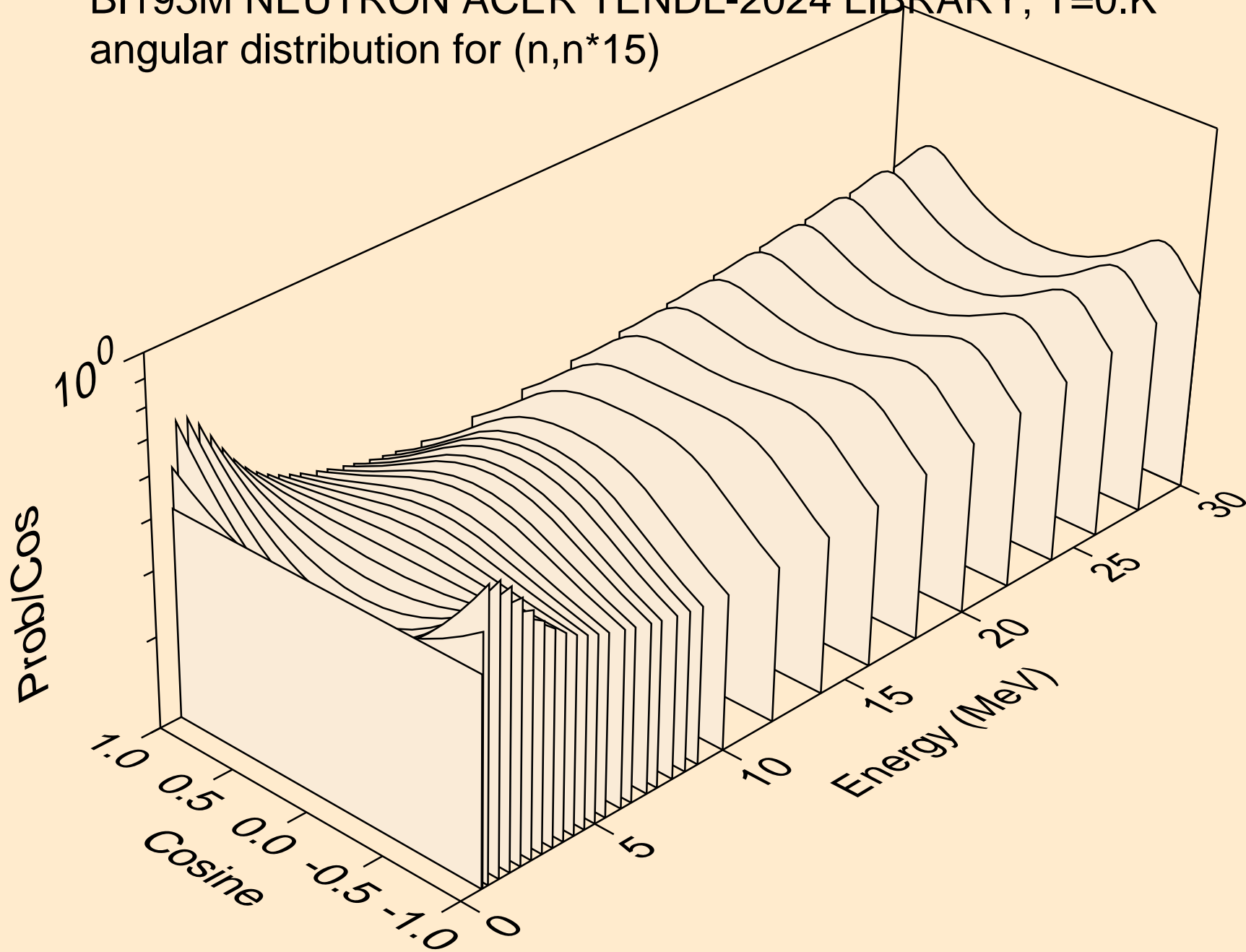
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*14)

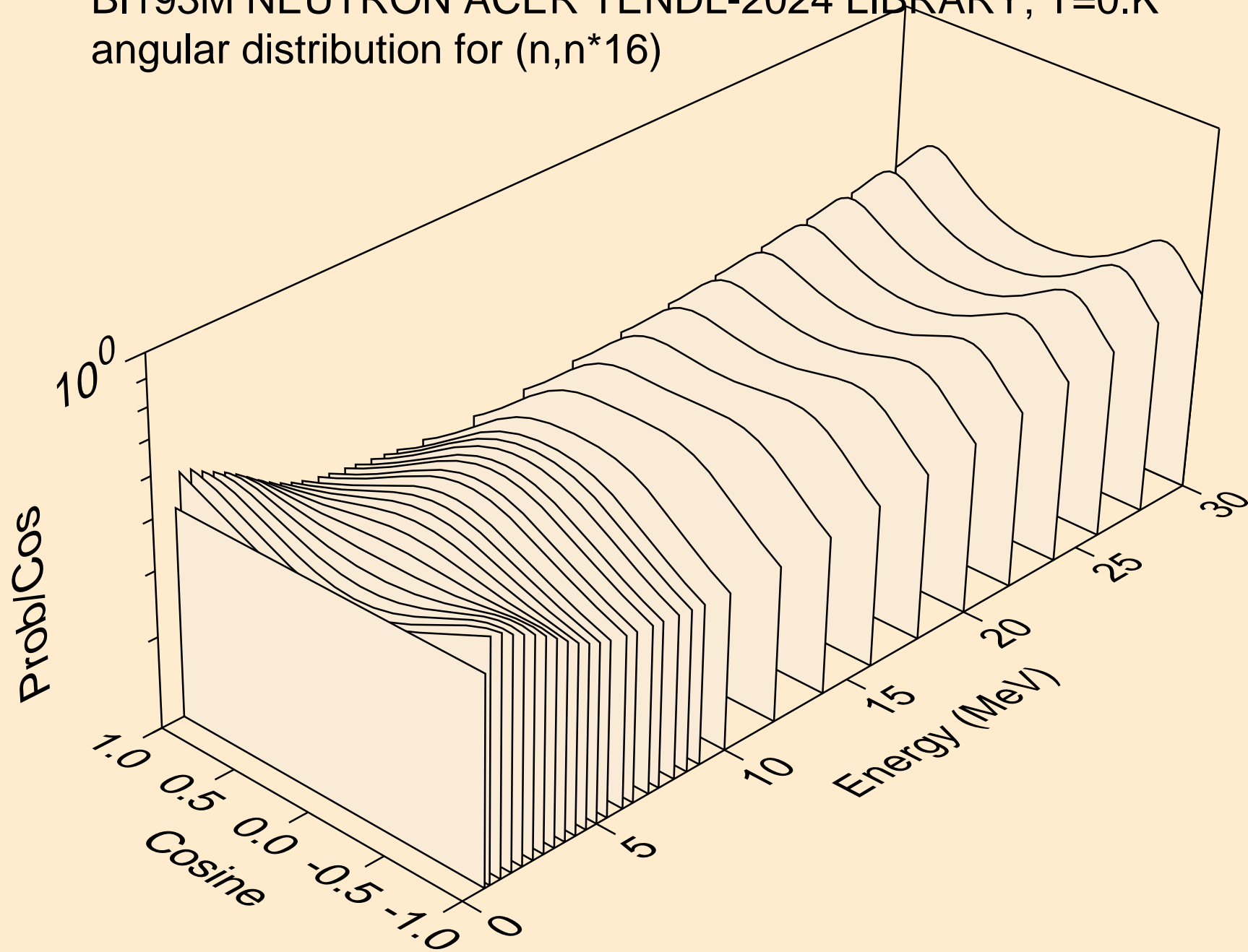


BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*15)

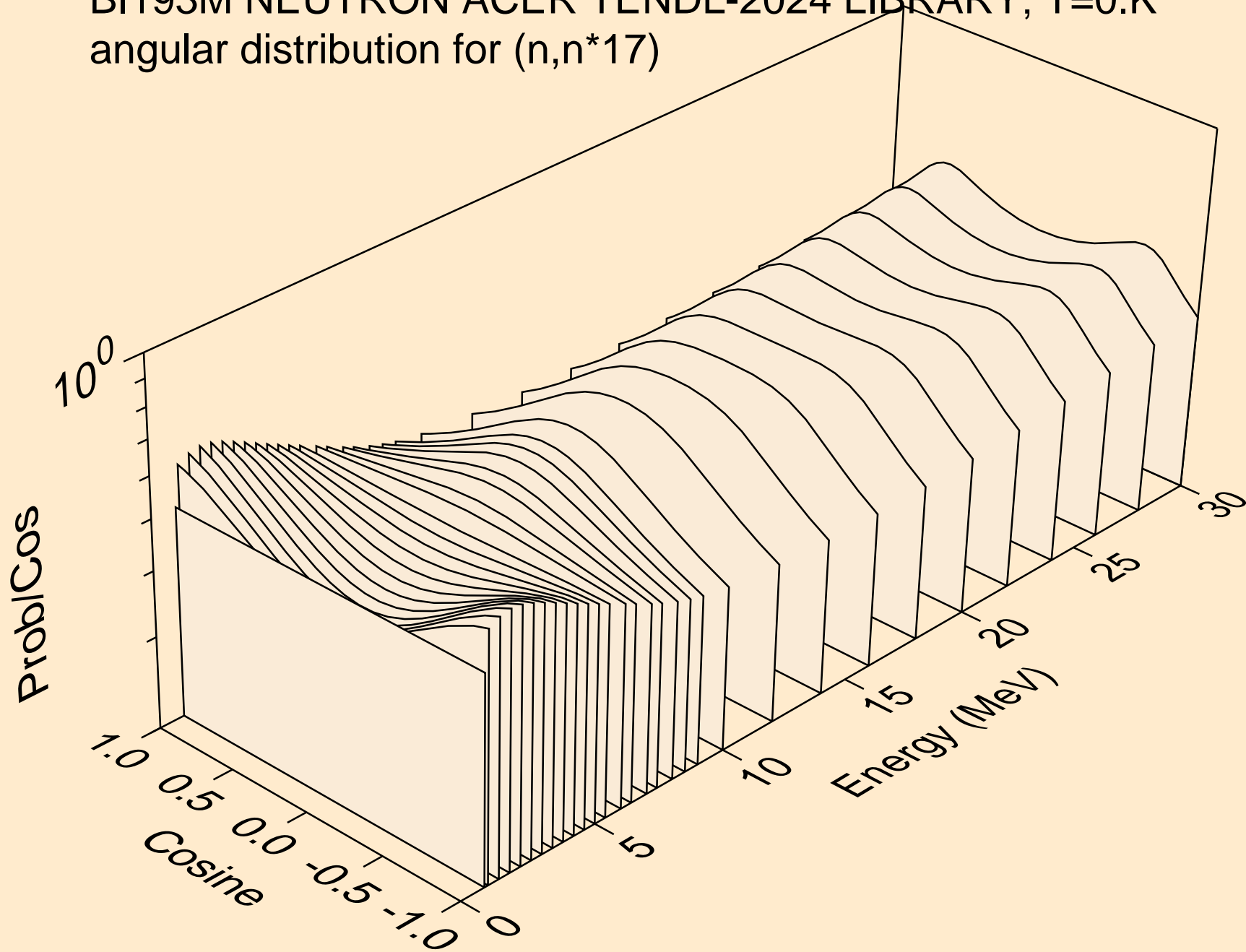




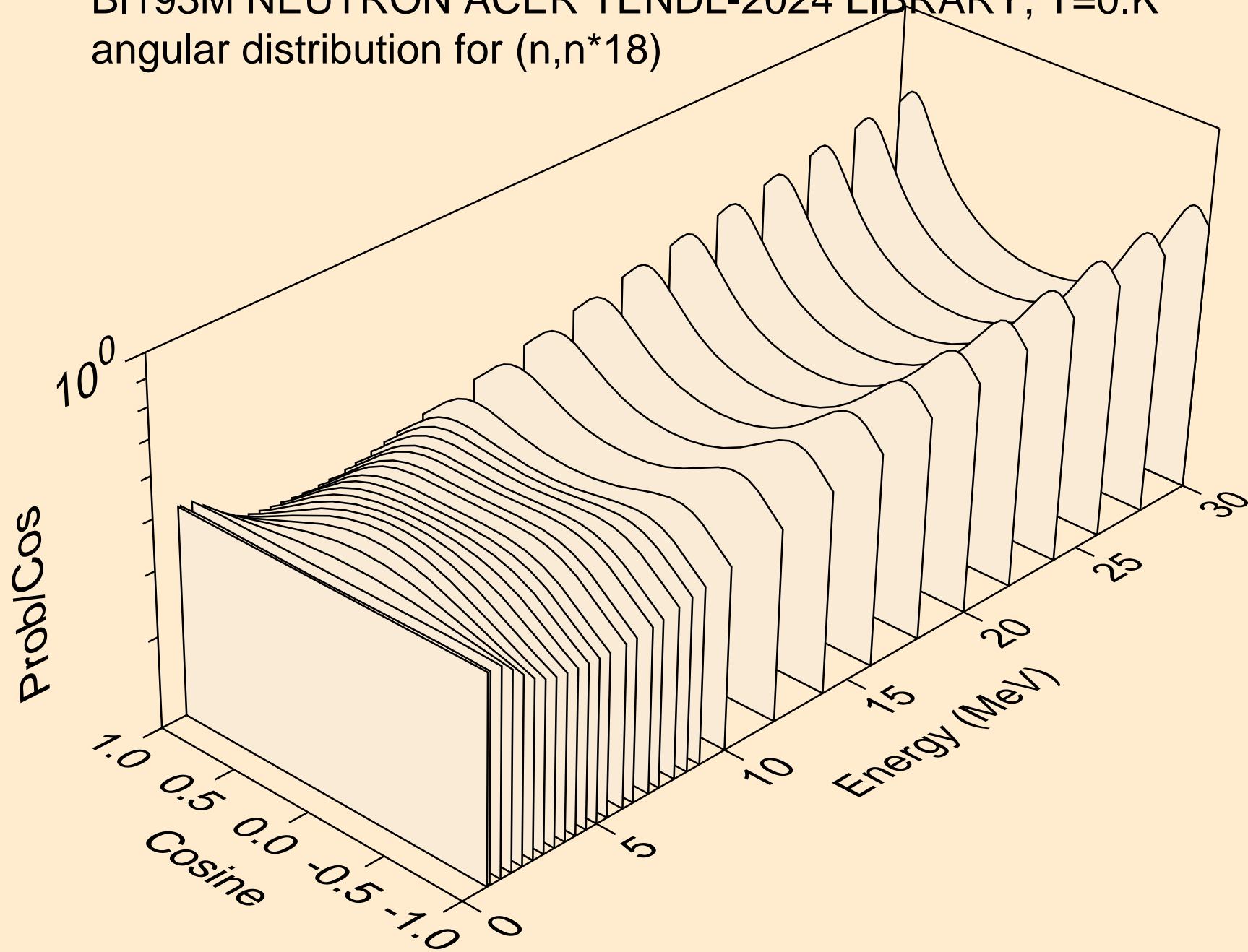
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



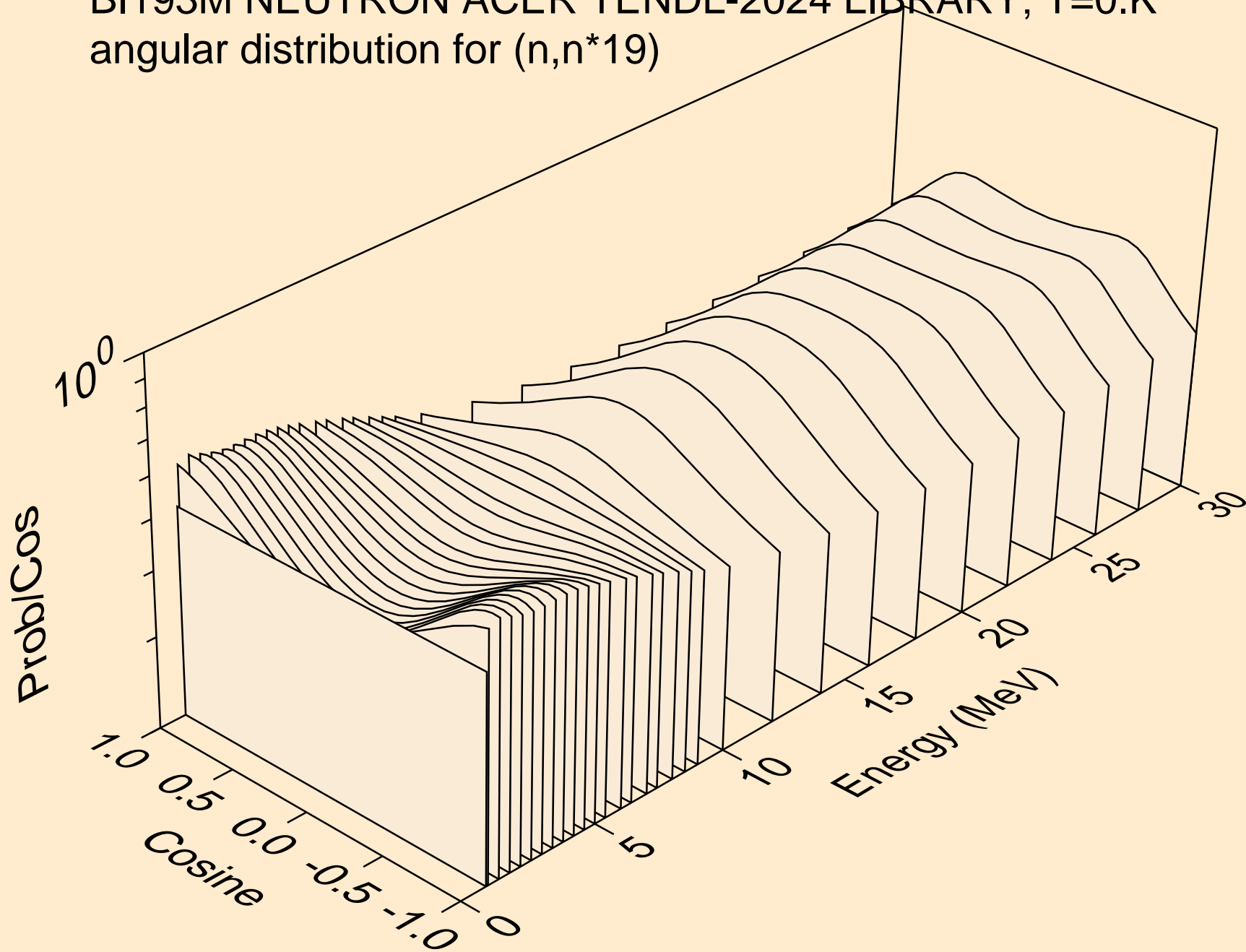
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*17)



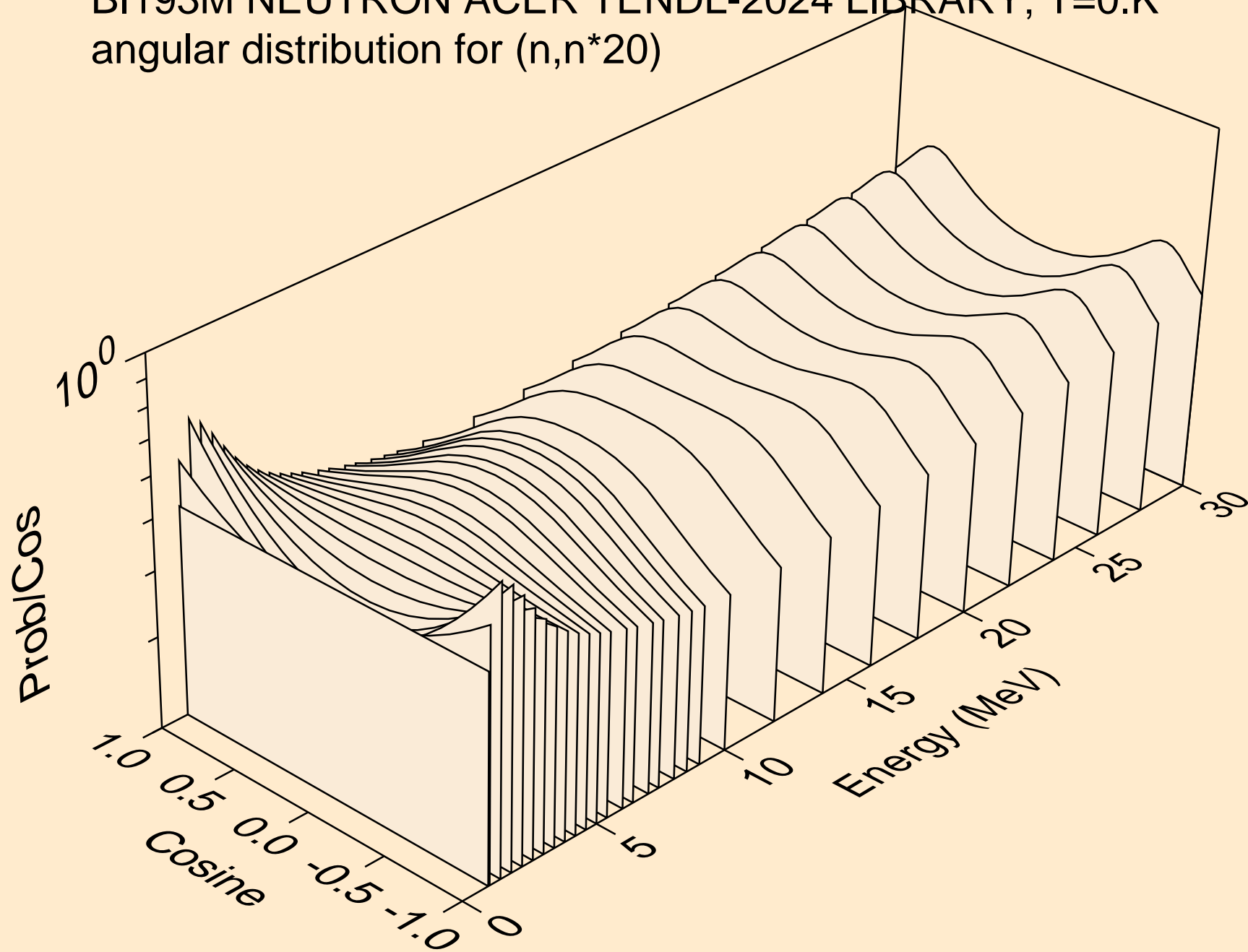
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



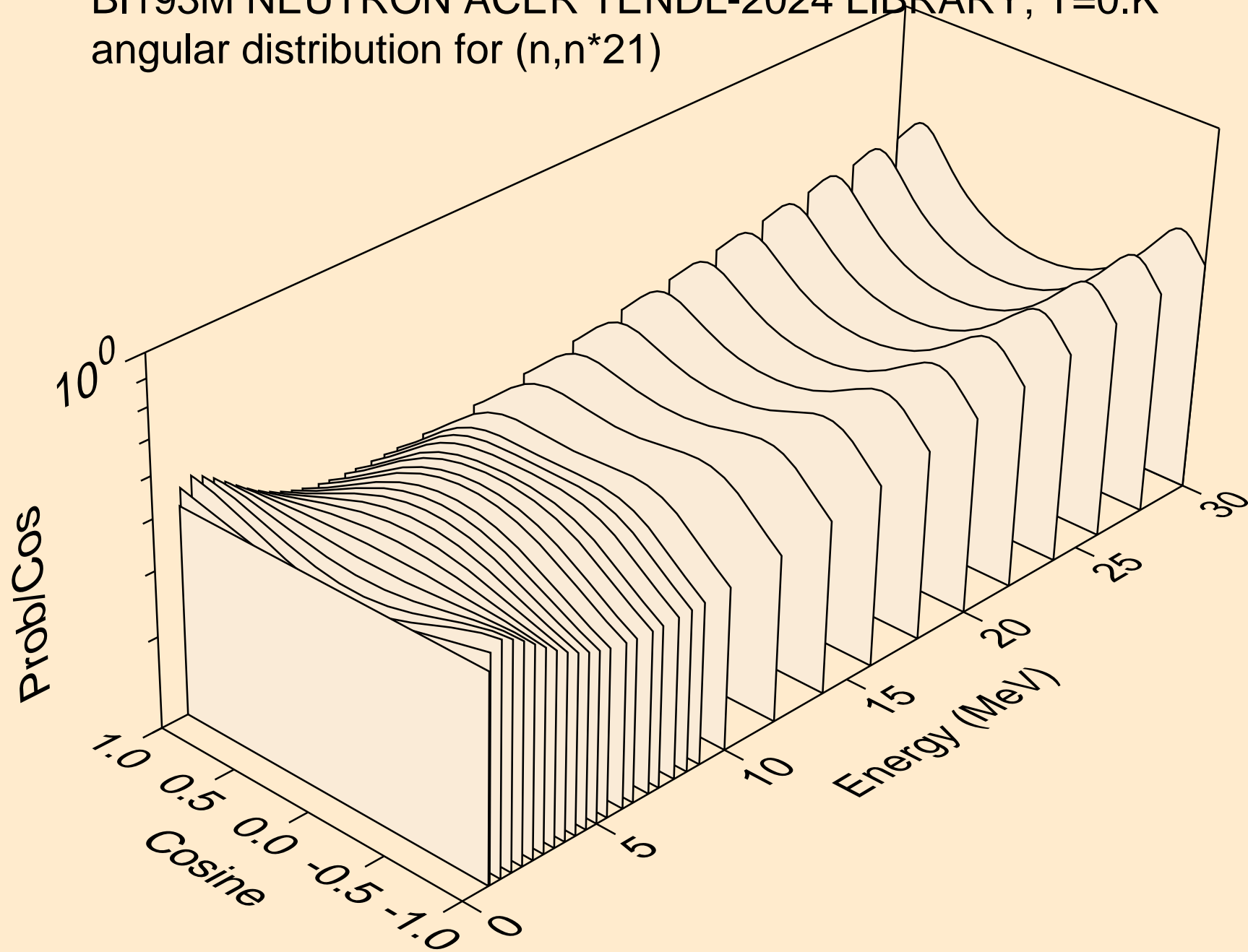
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



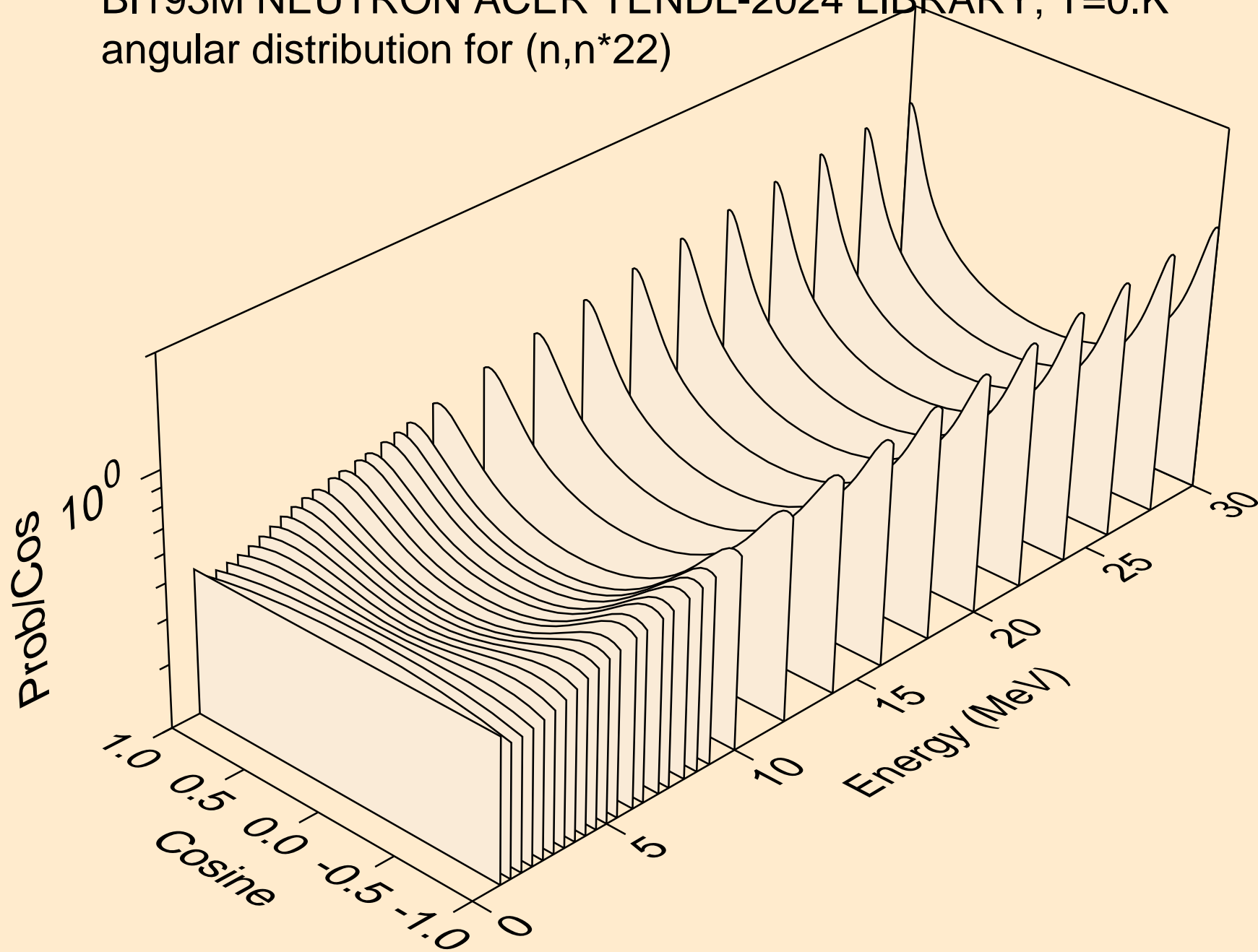
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*20)



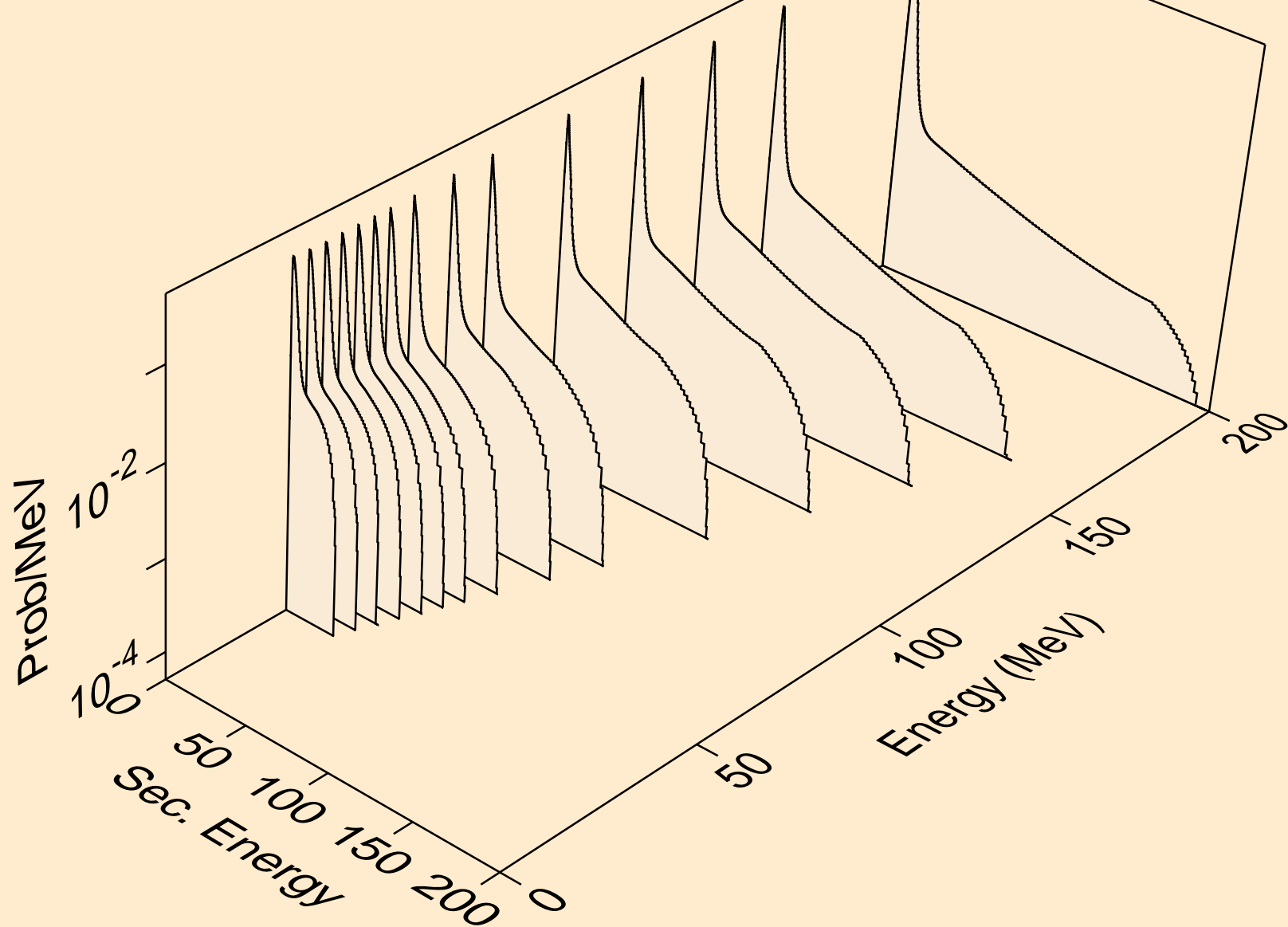
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*21)



BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*22)

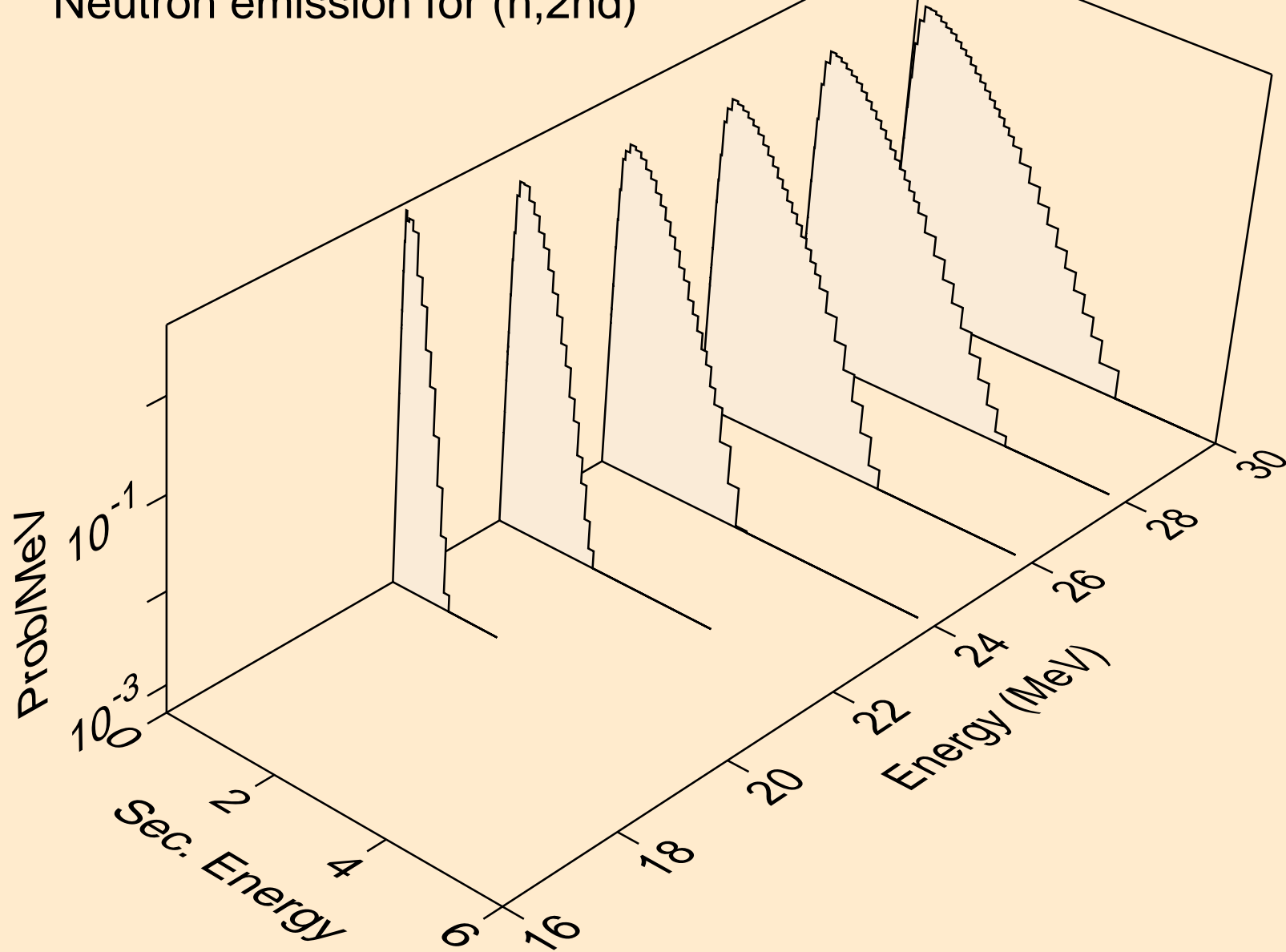


BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)

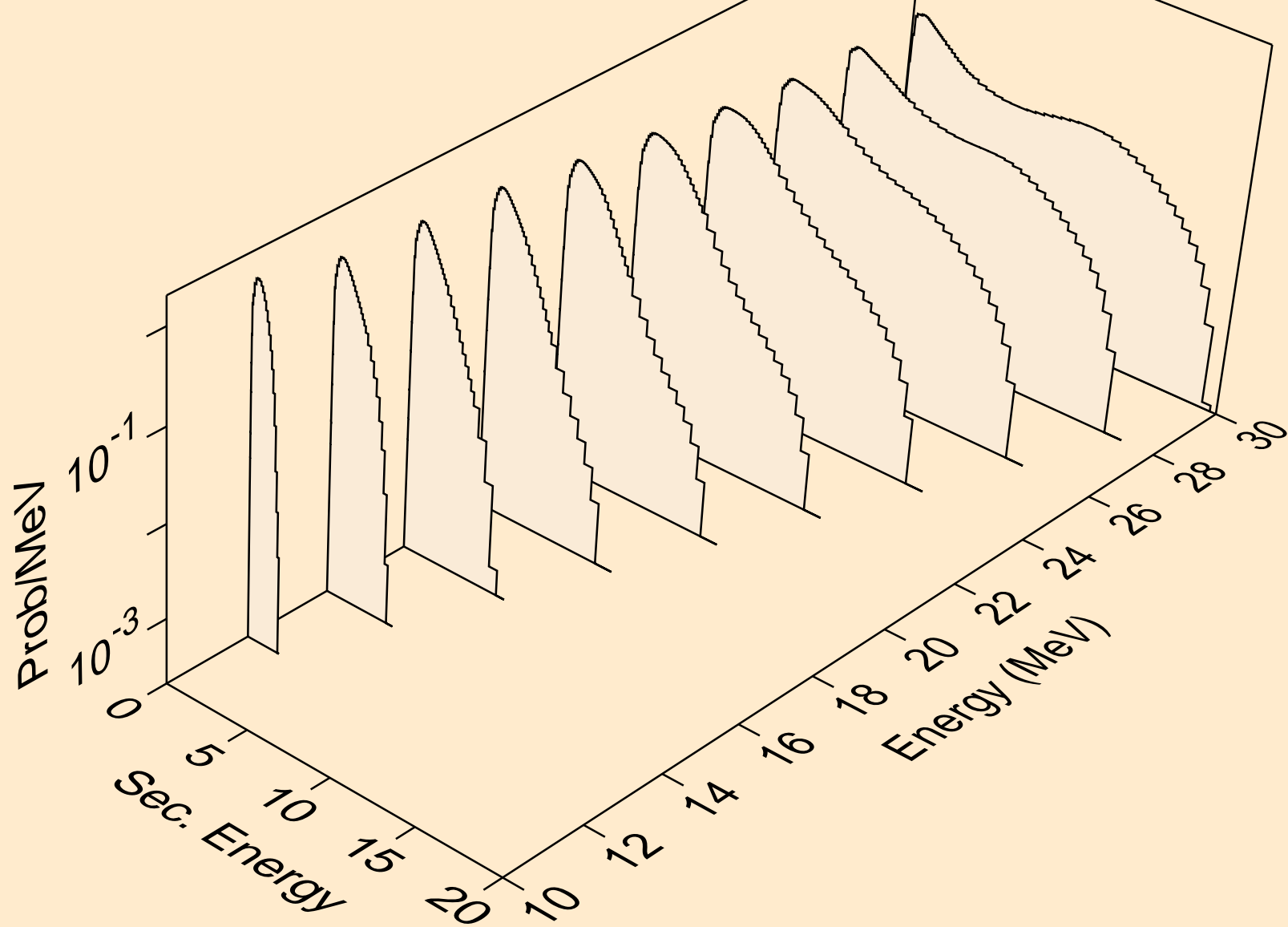




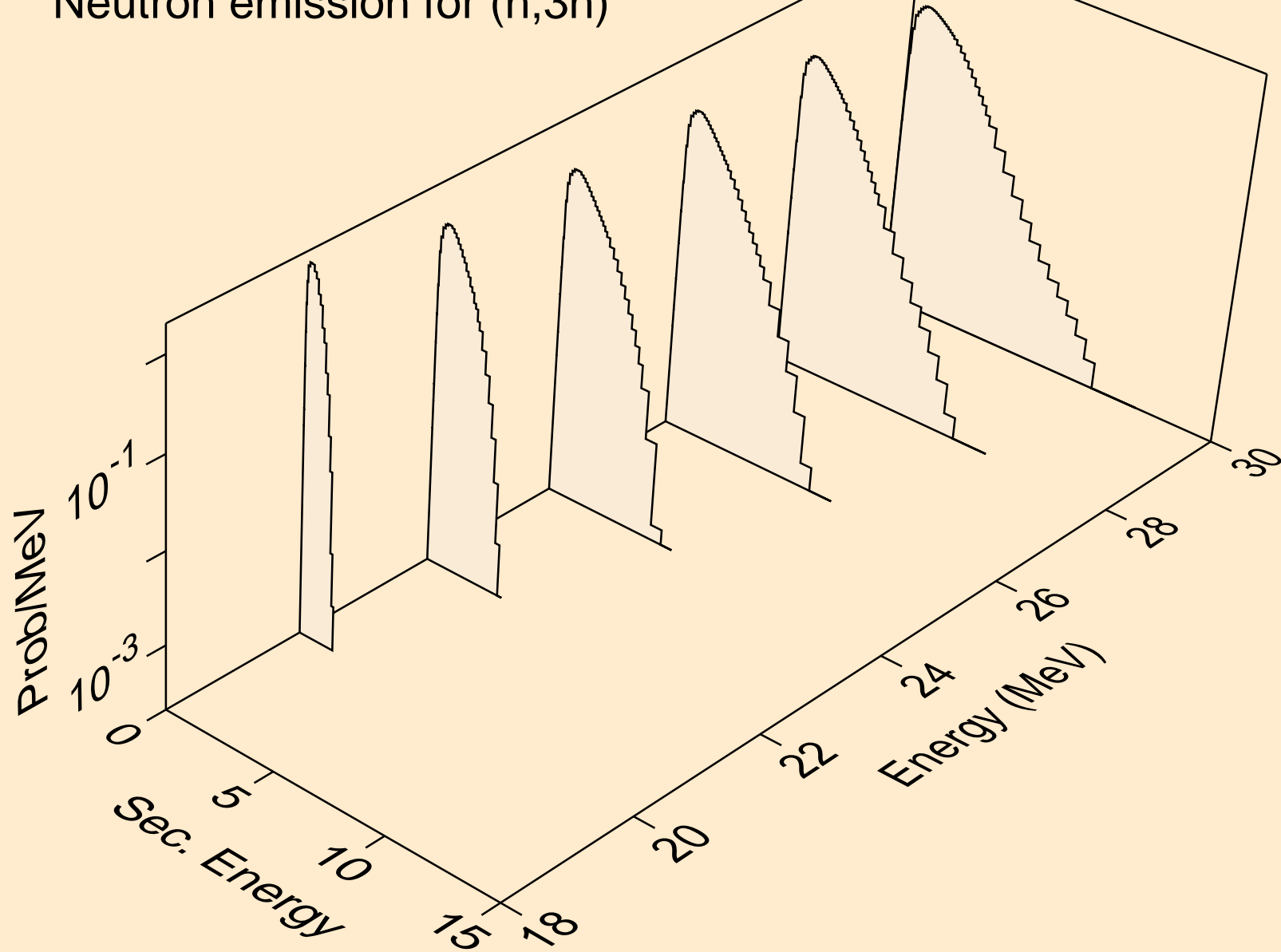
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



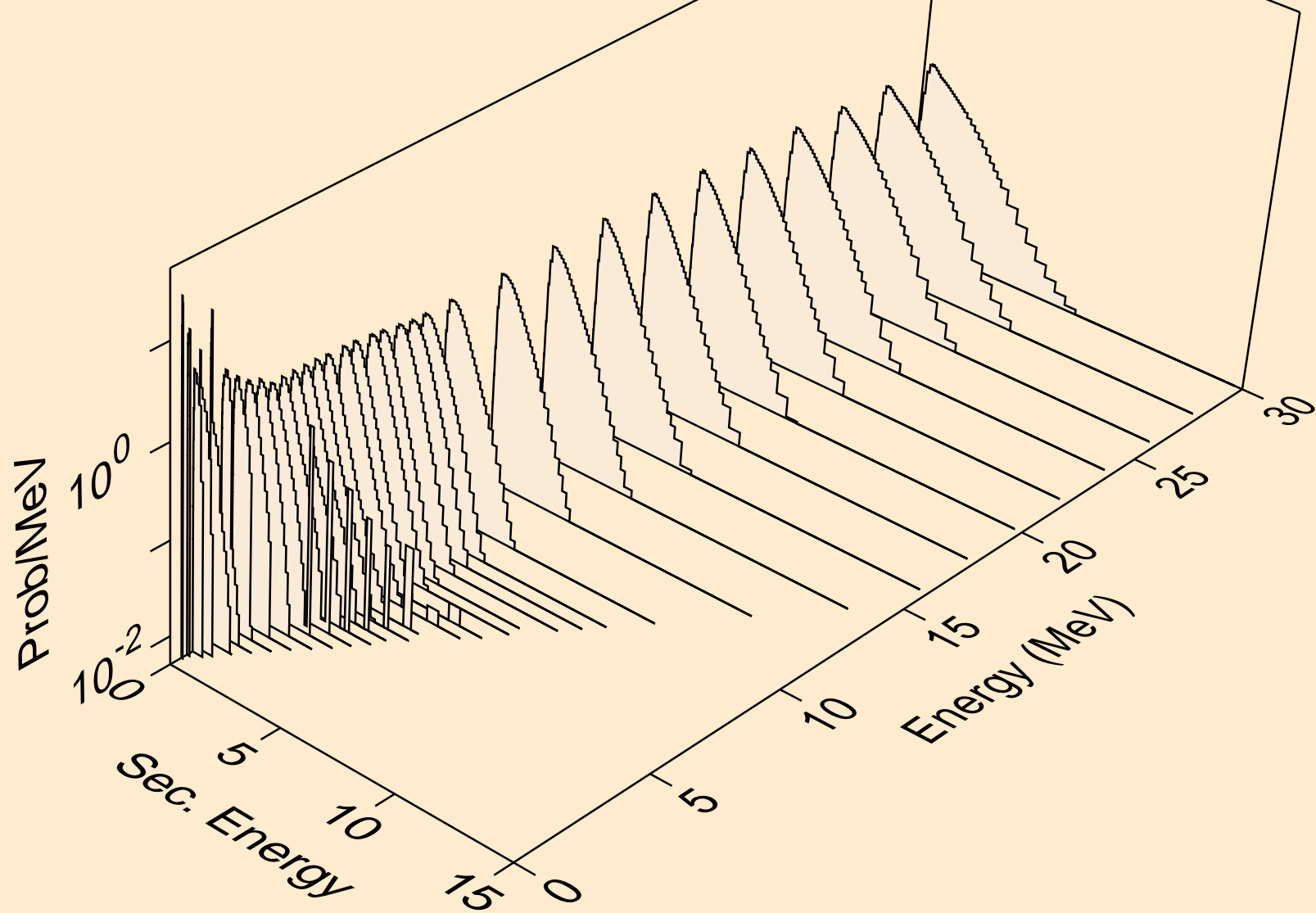
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



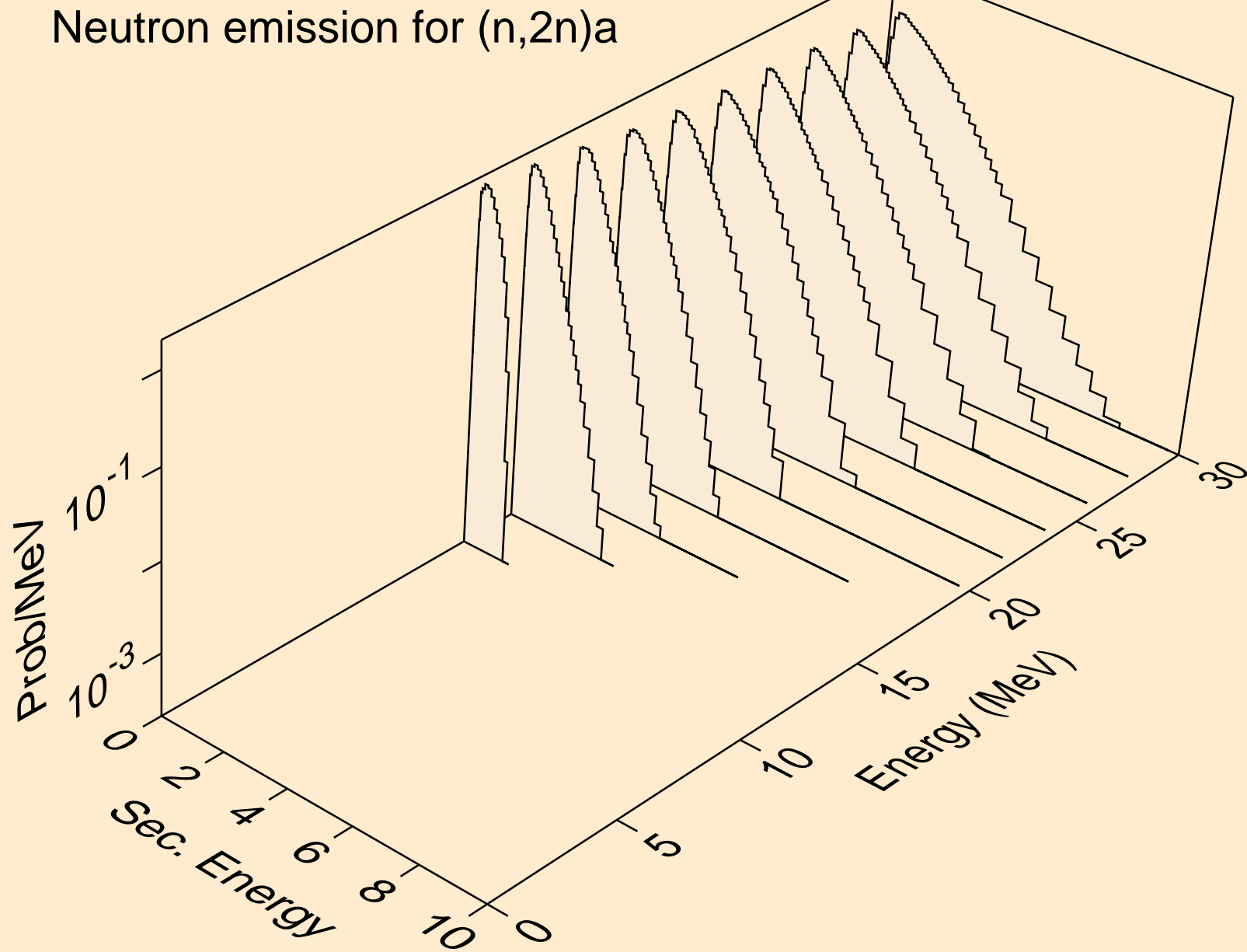
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



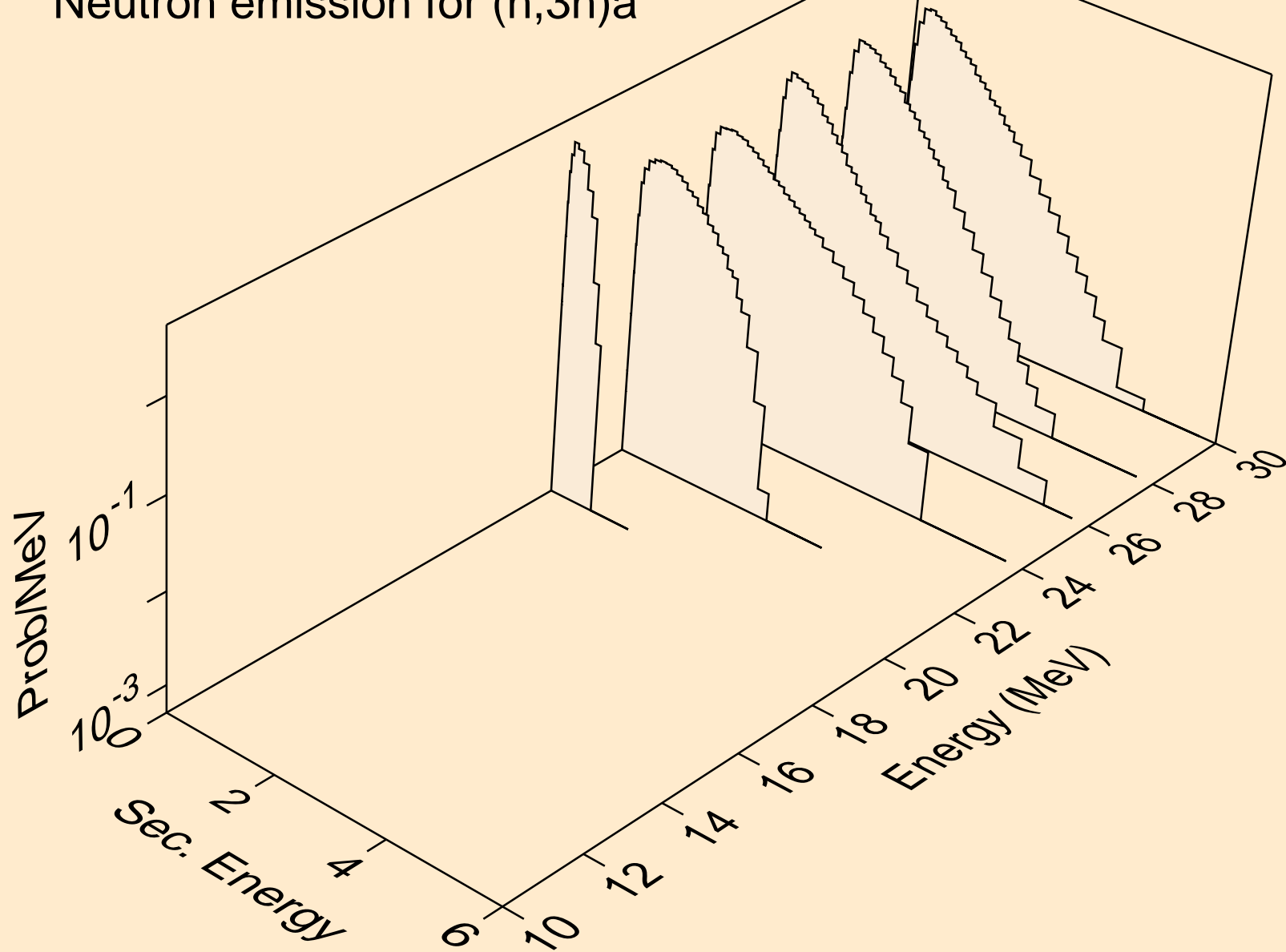
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



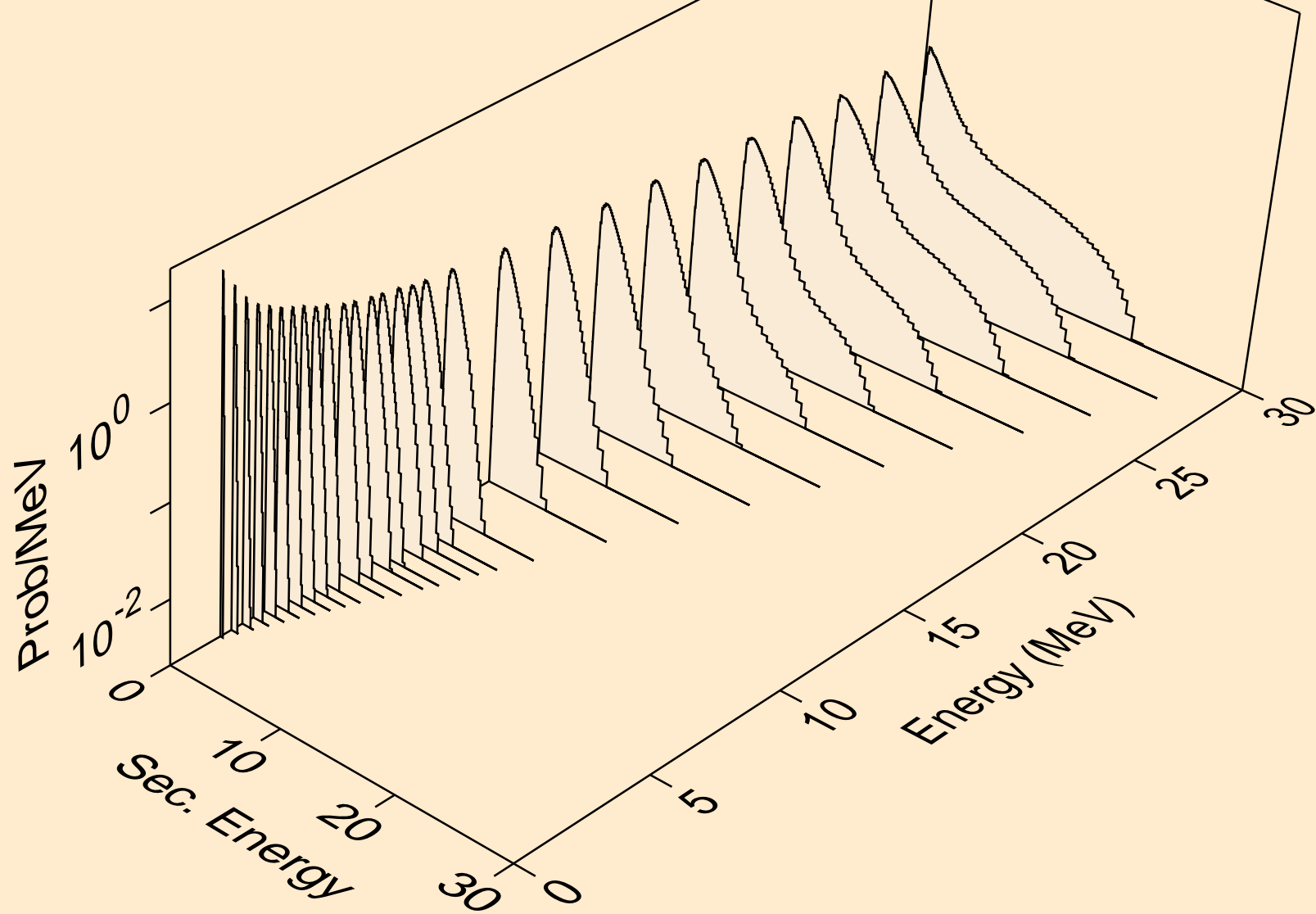
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



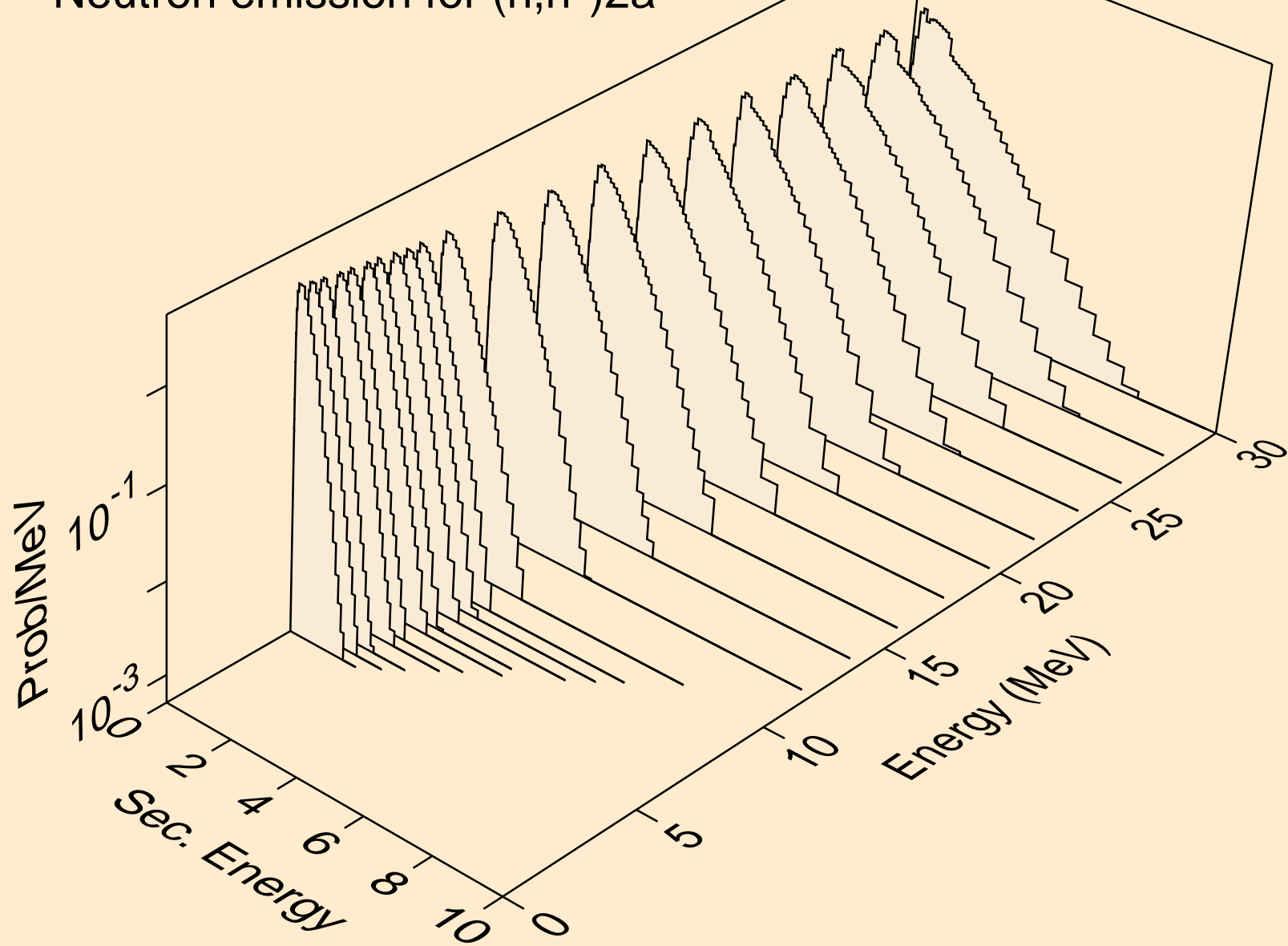
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p

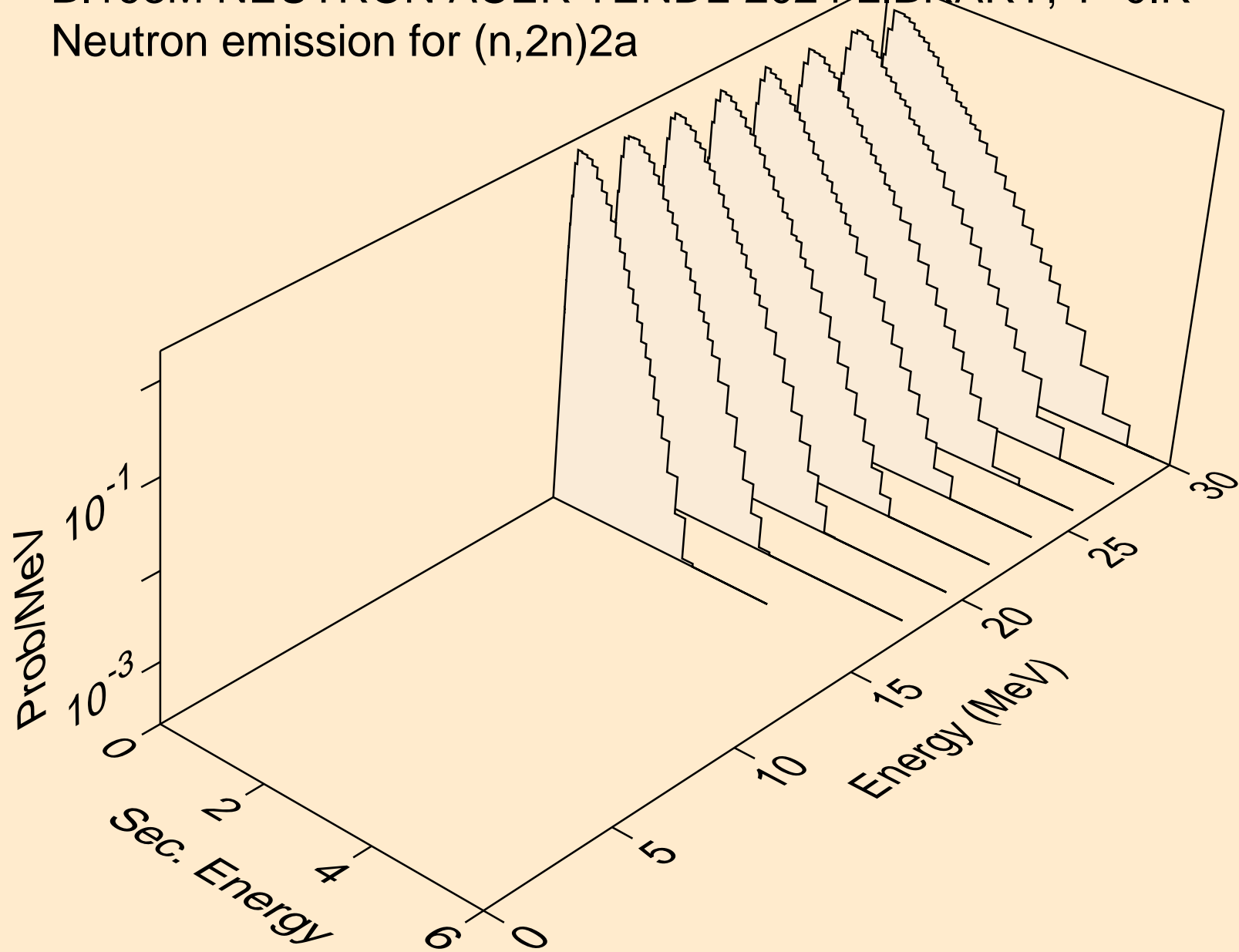


BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a

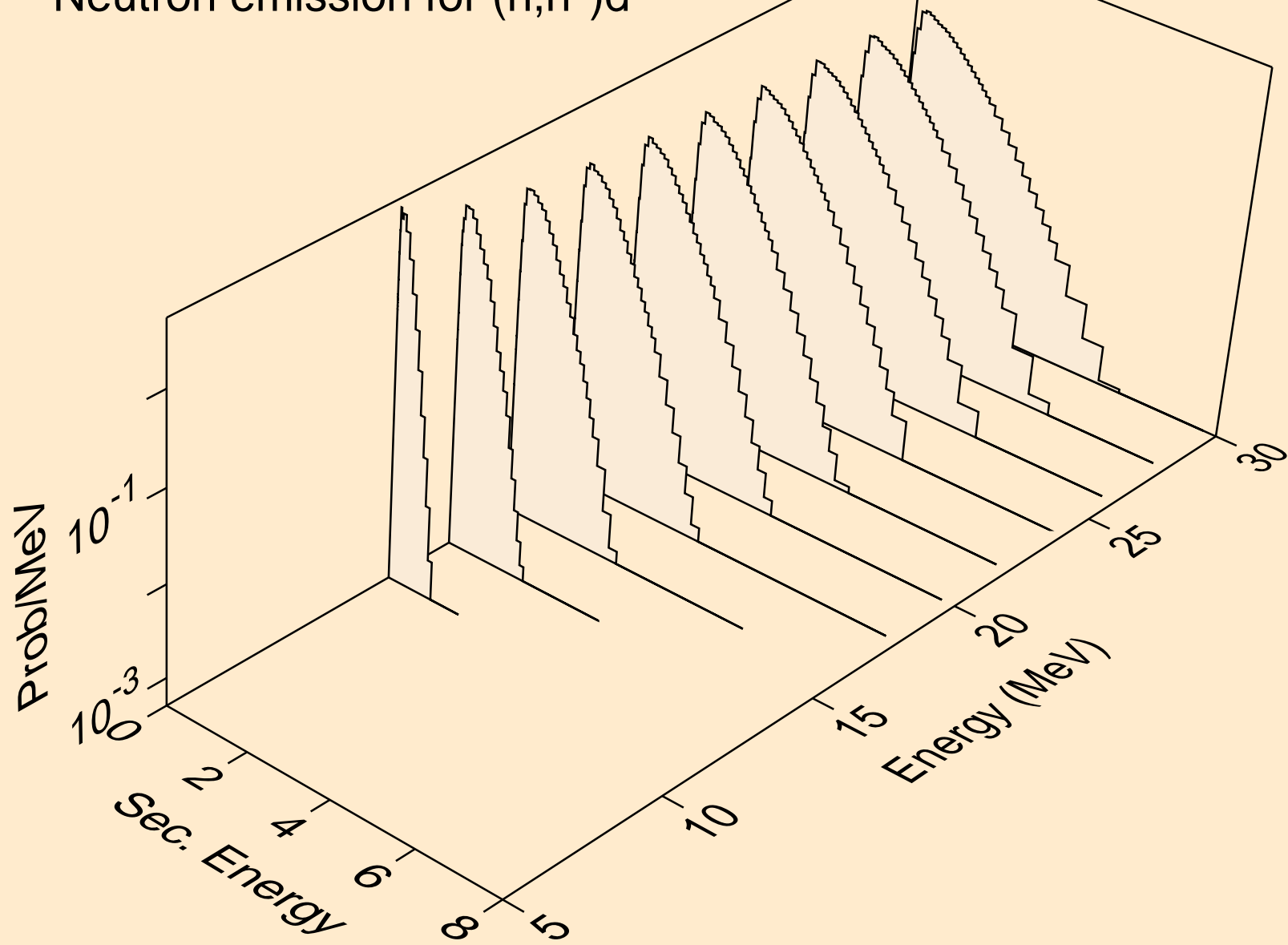




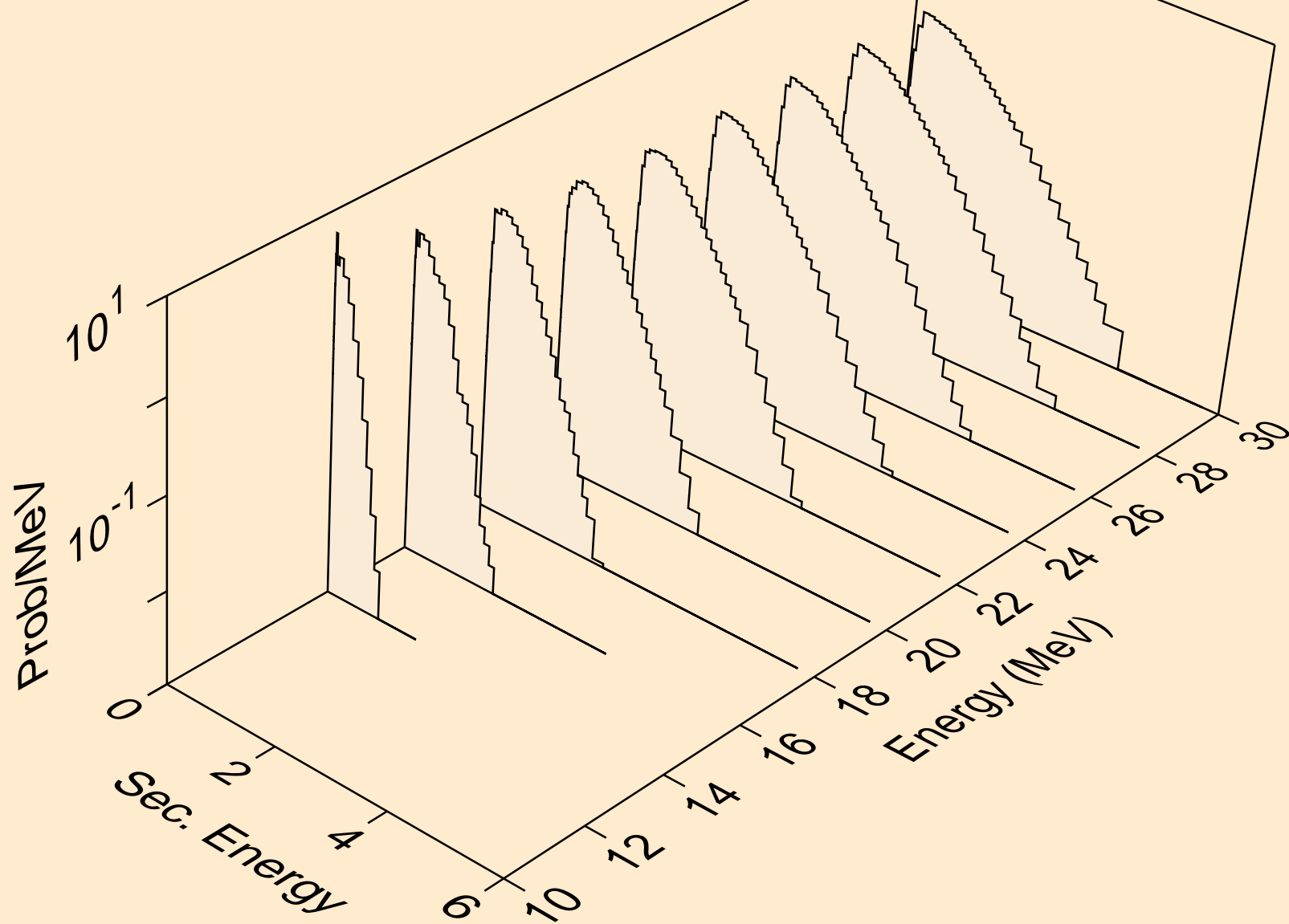
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a



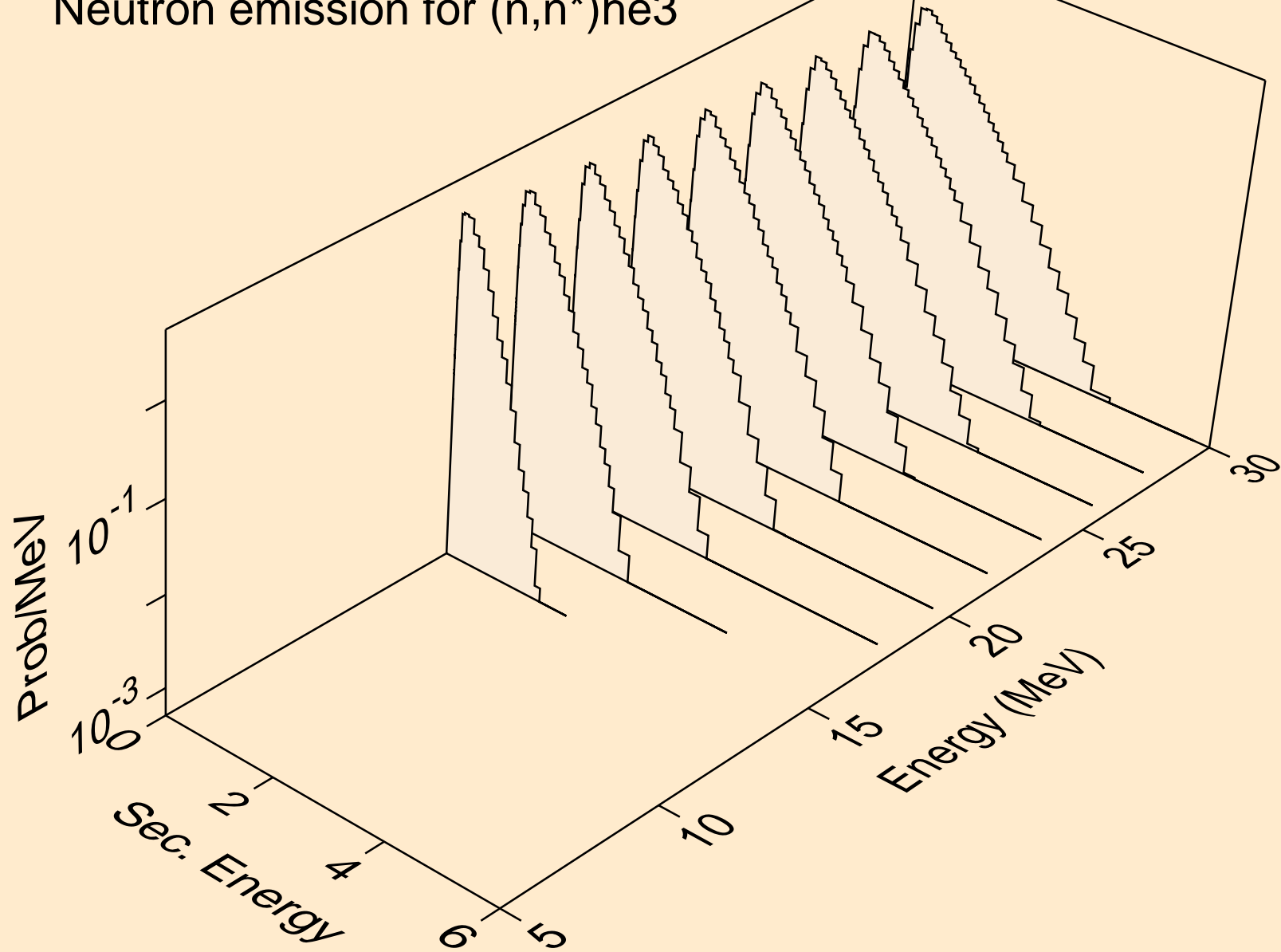
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



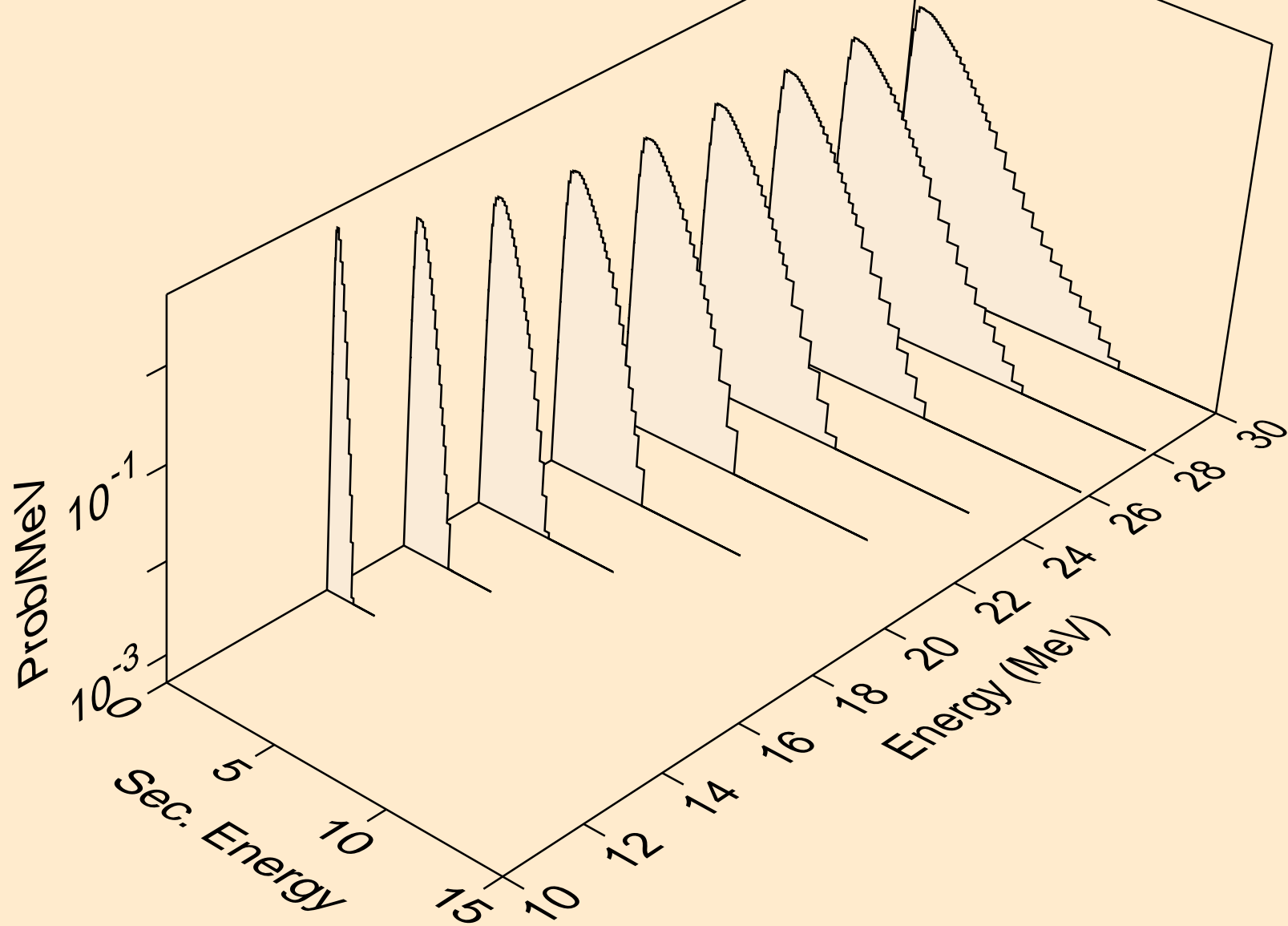
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



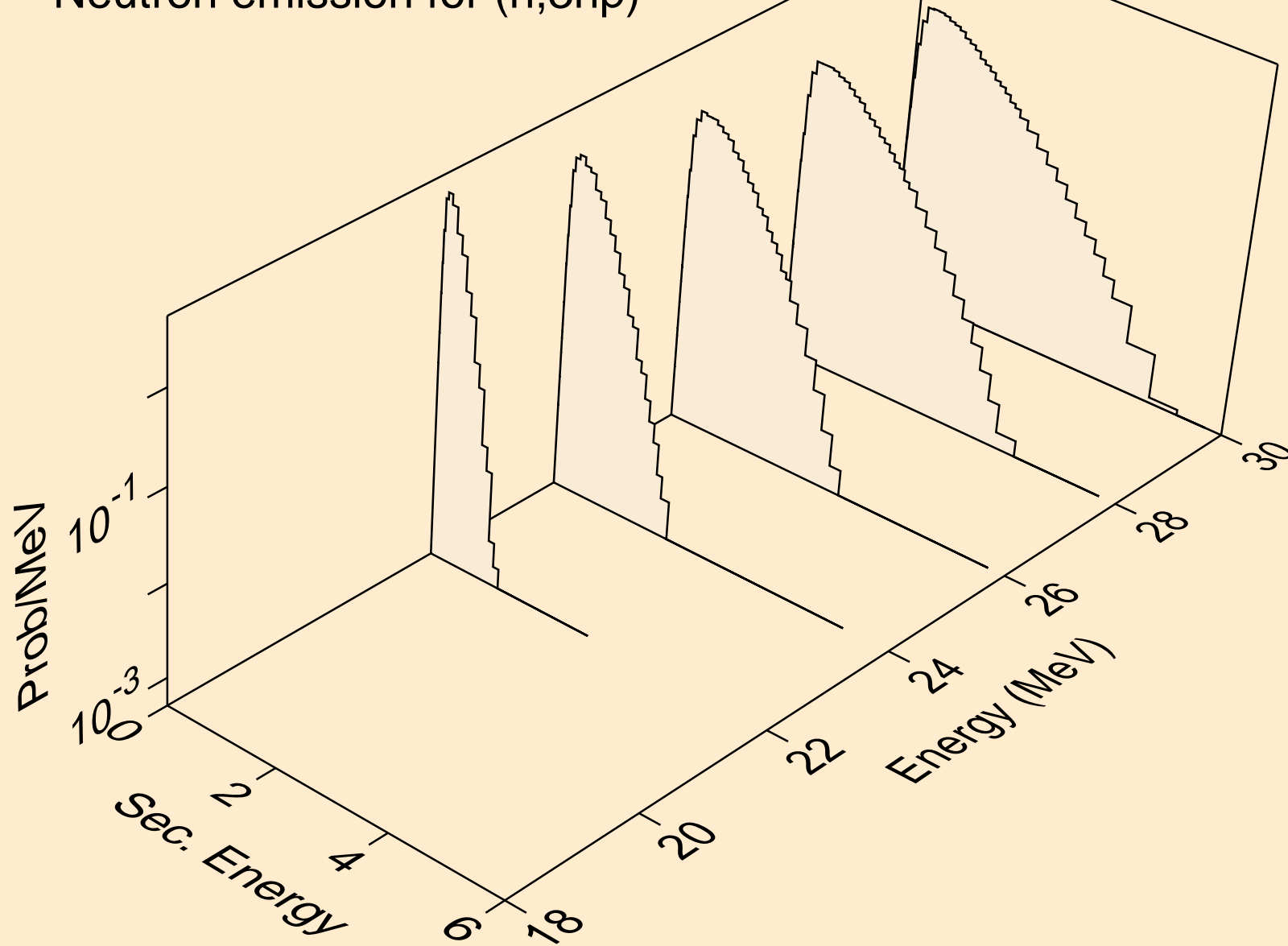
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



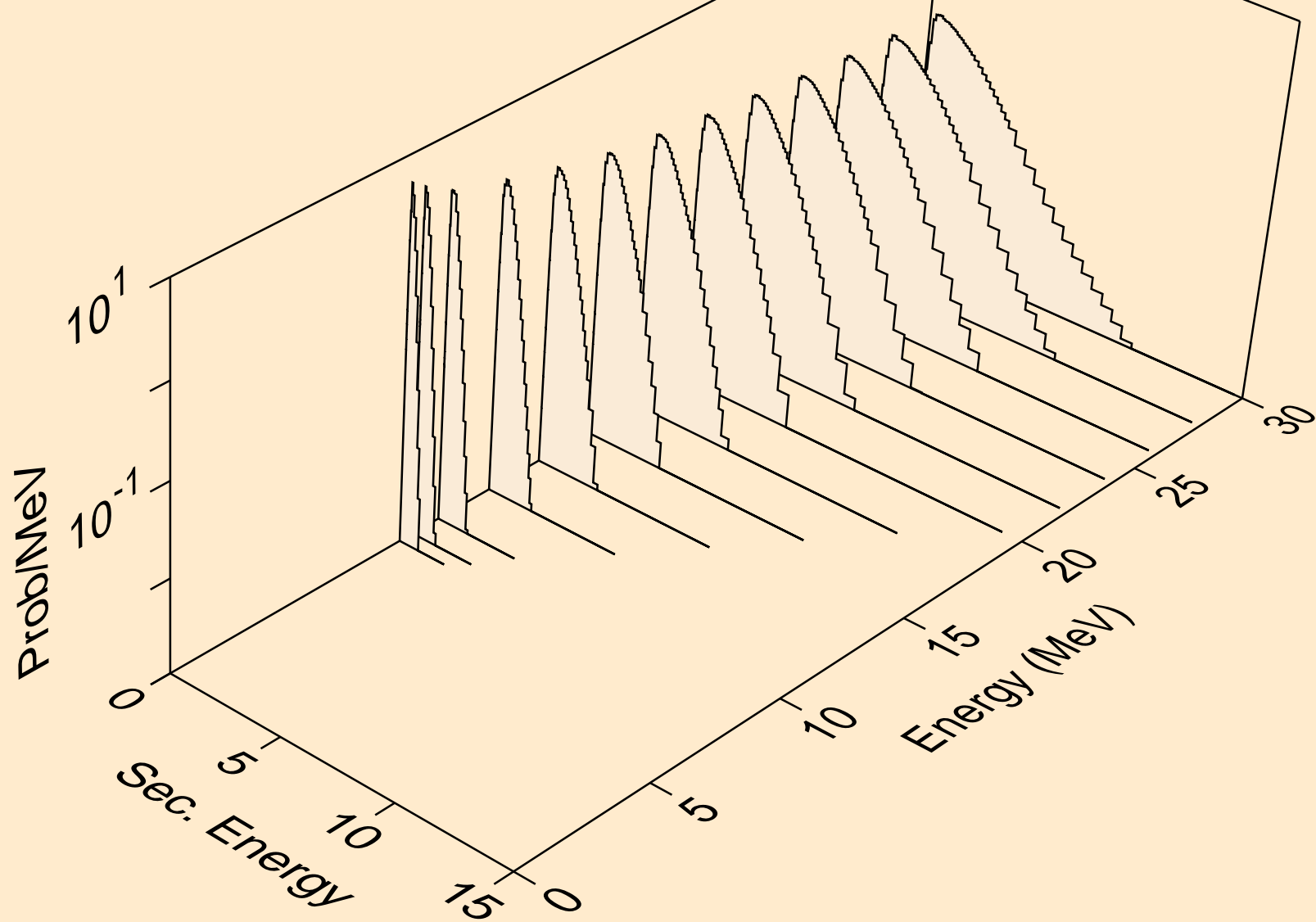
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



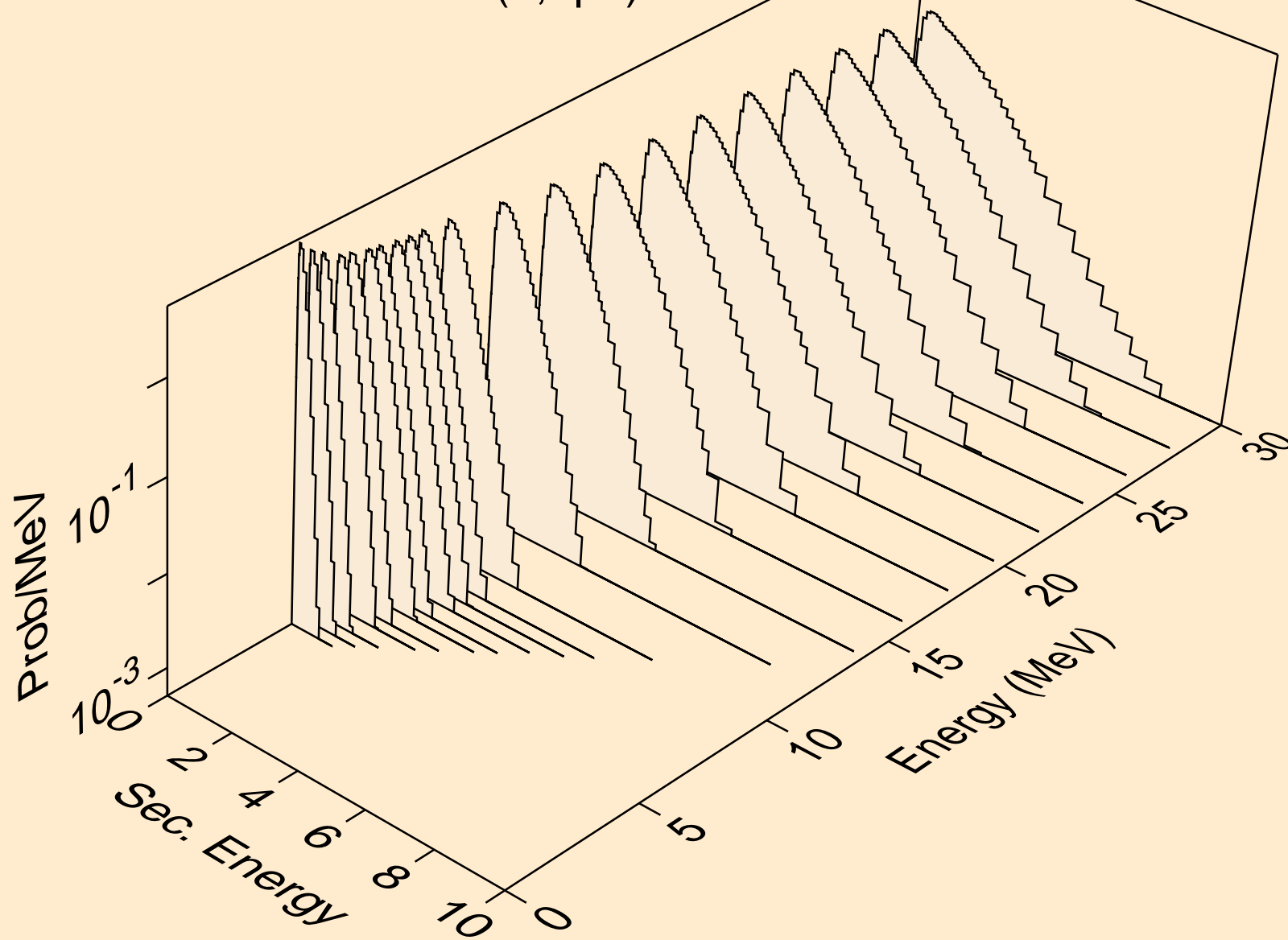
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)



BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)

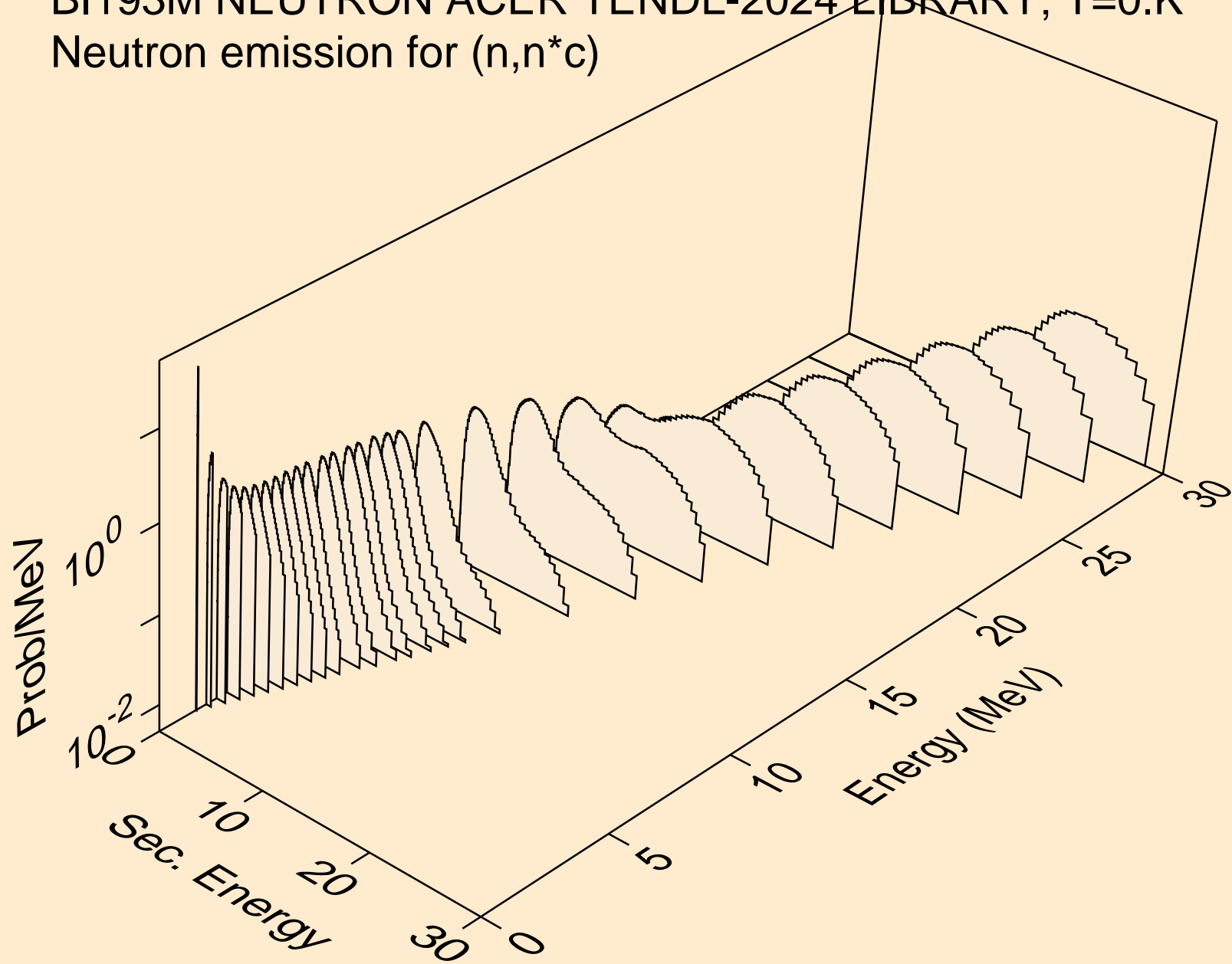


BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)

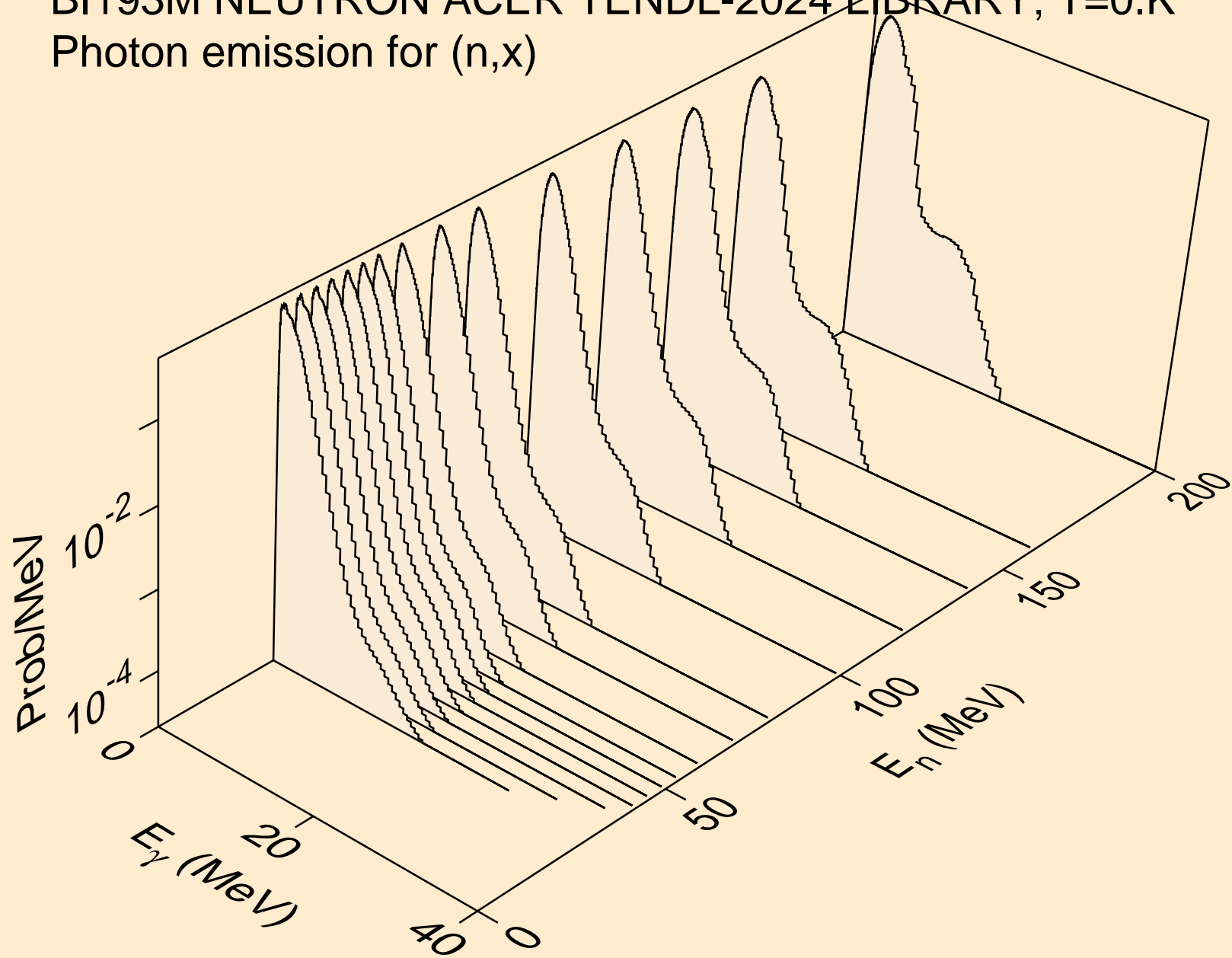




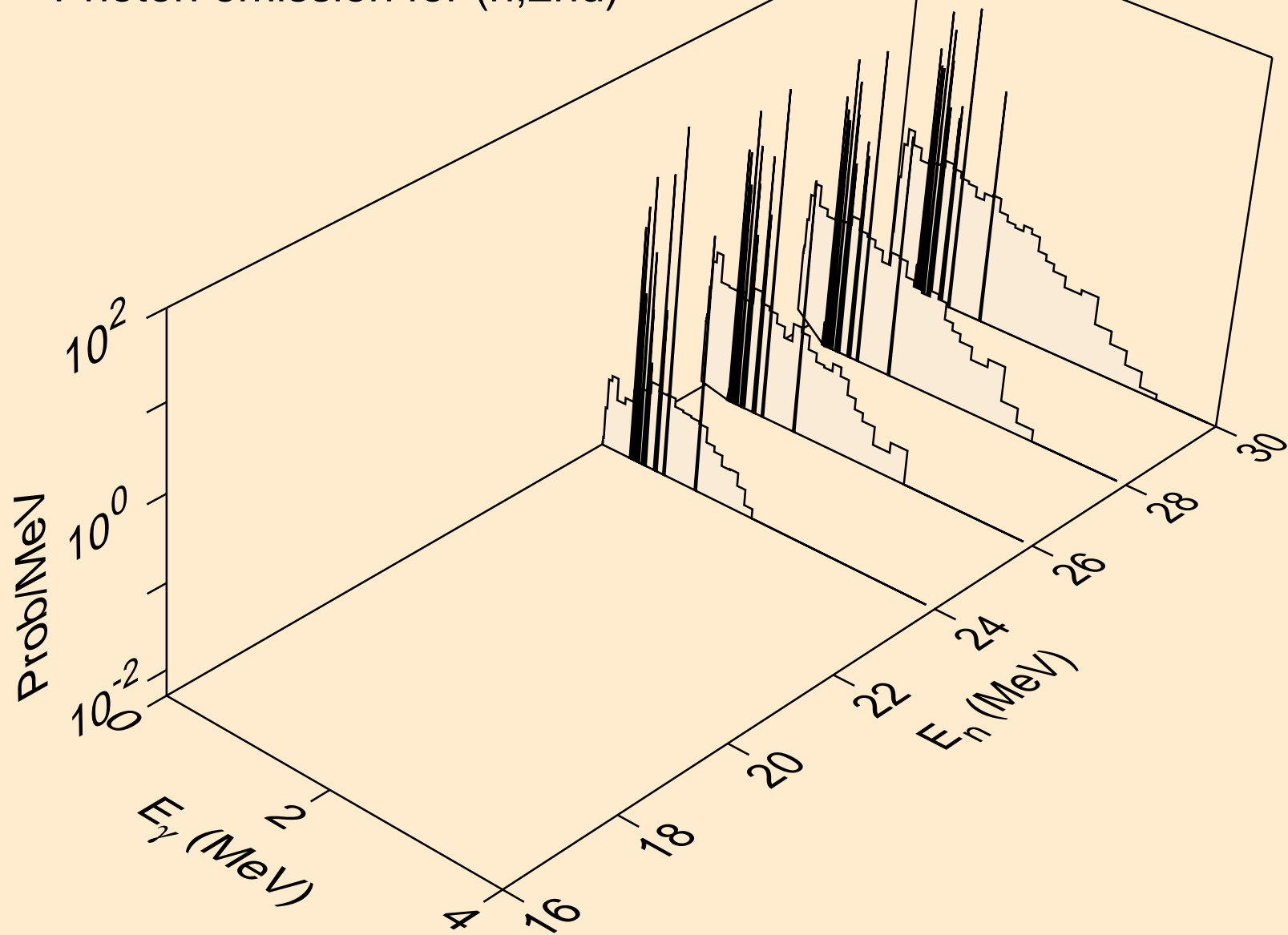
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



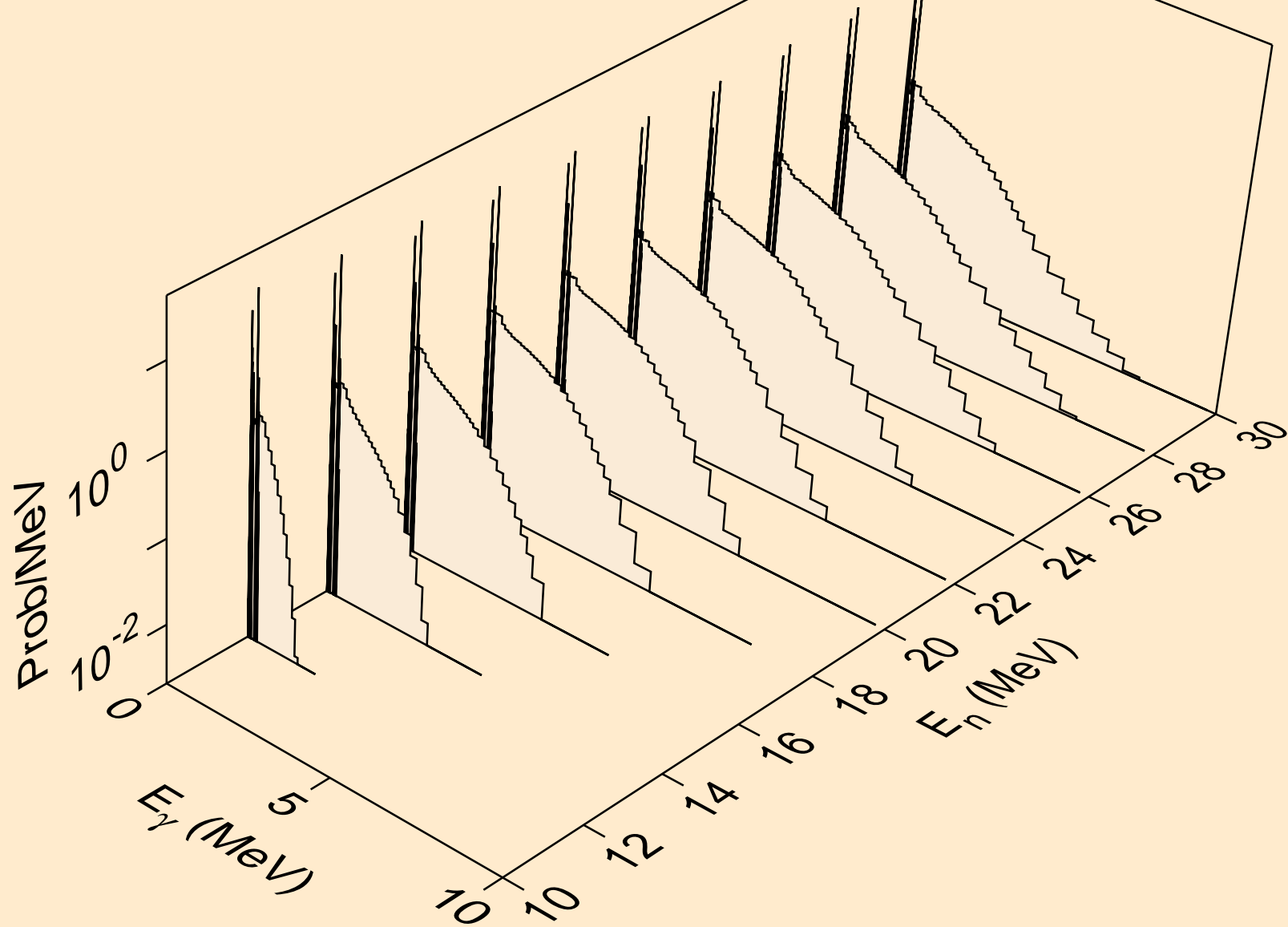
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



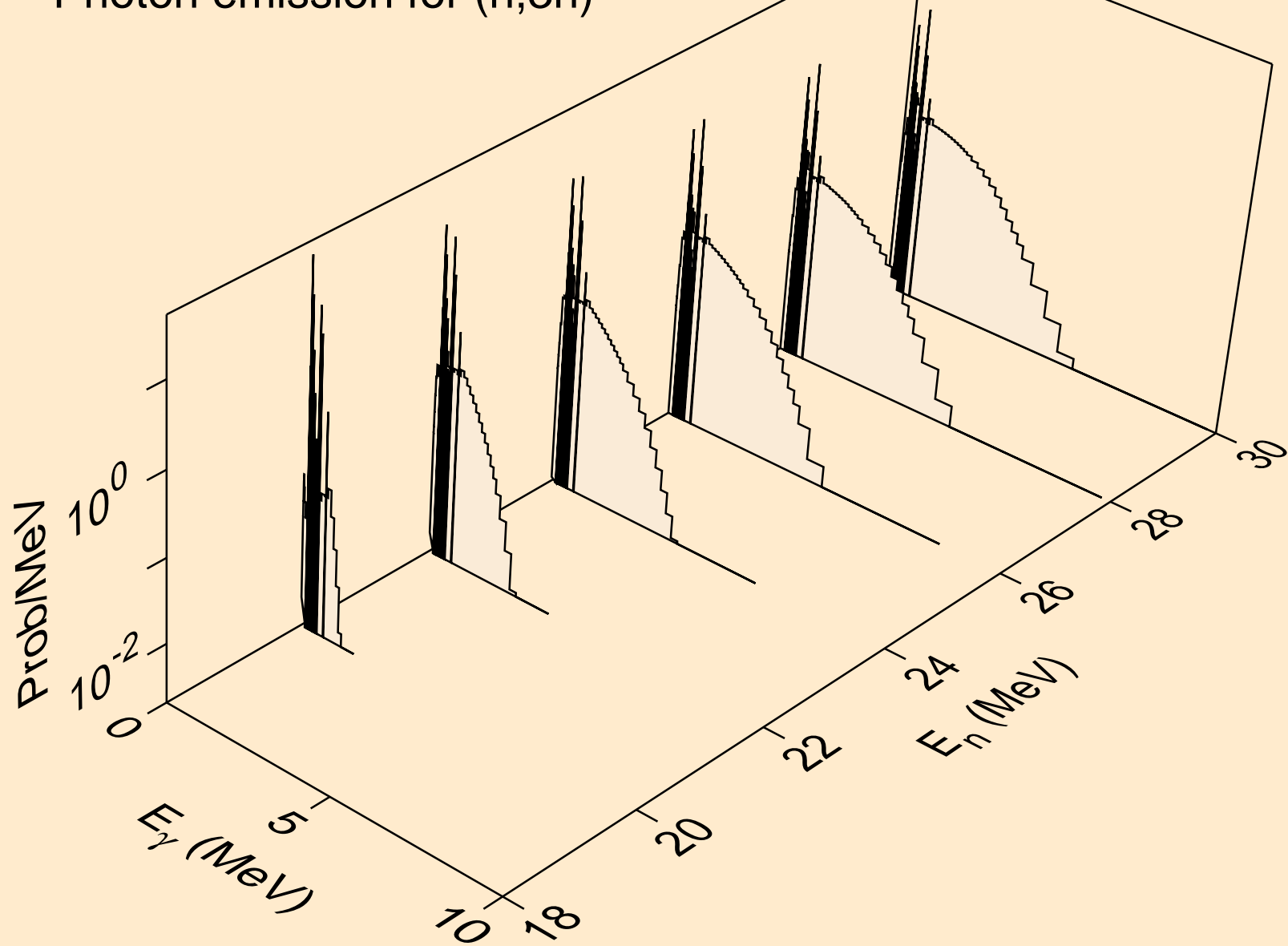
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



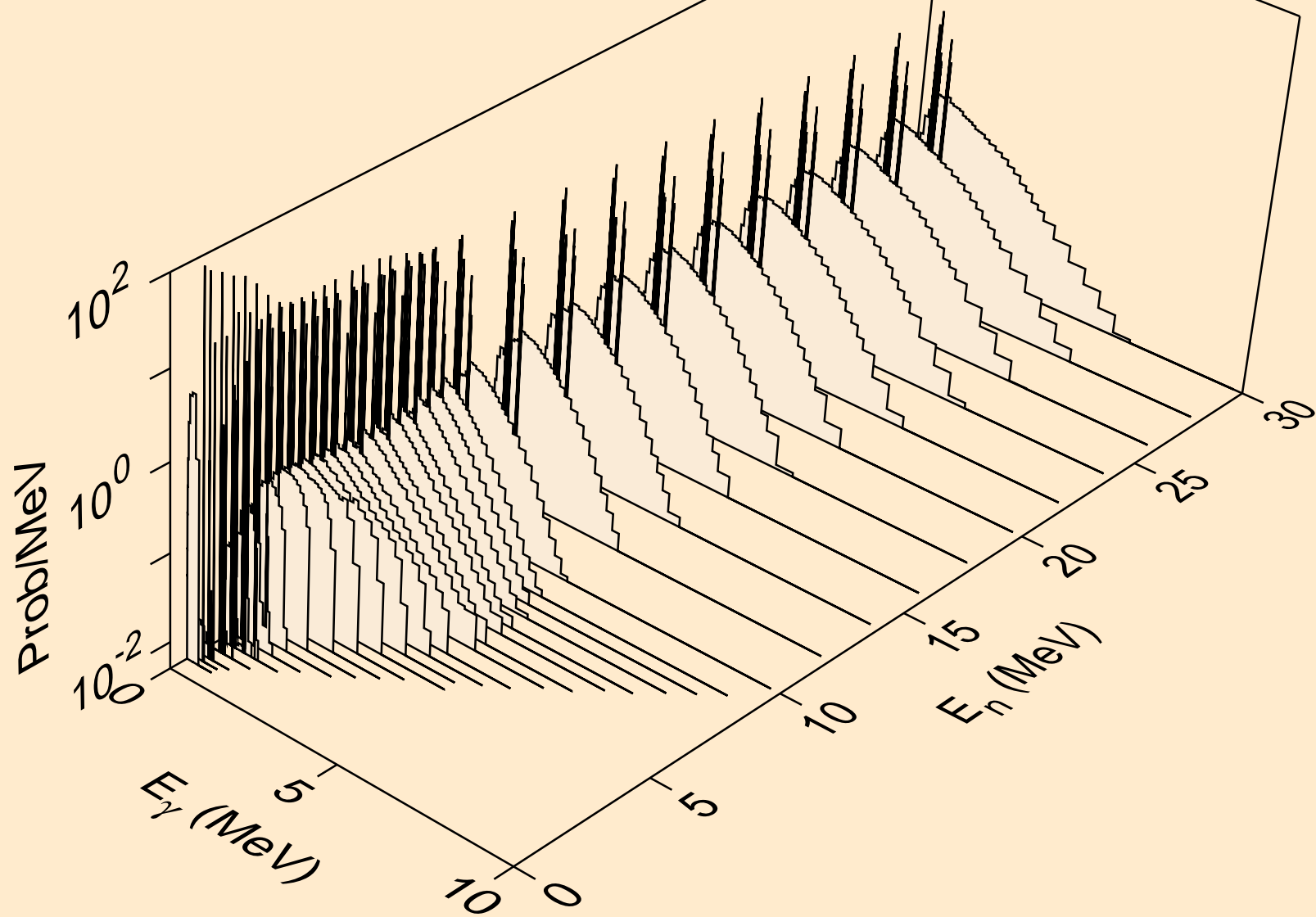
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



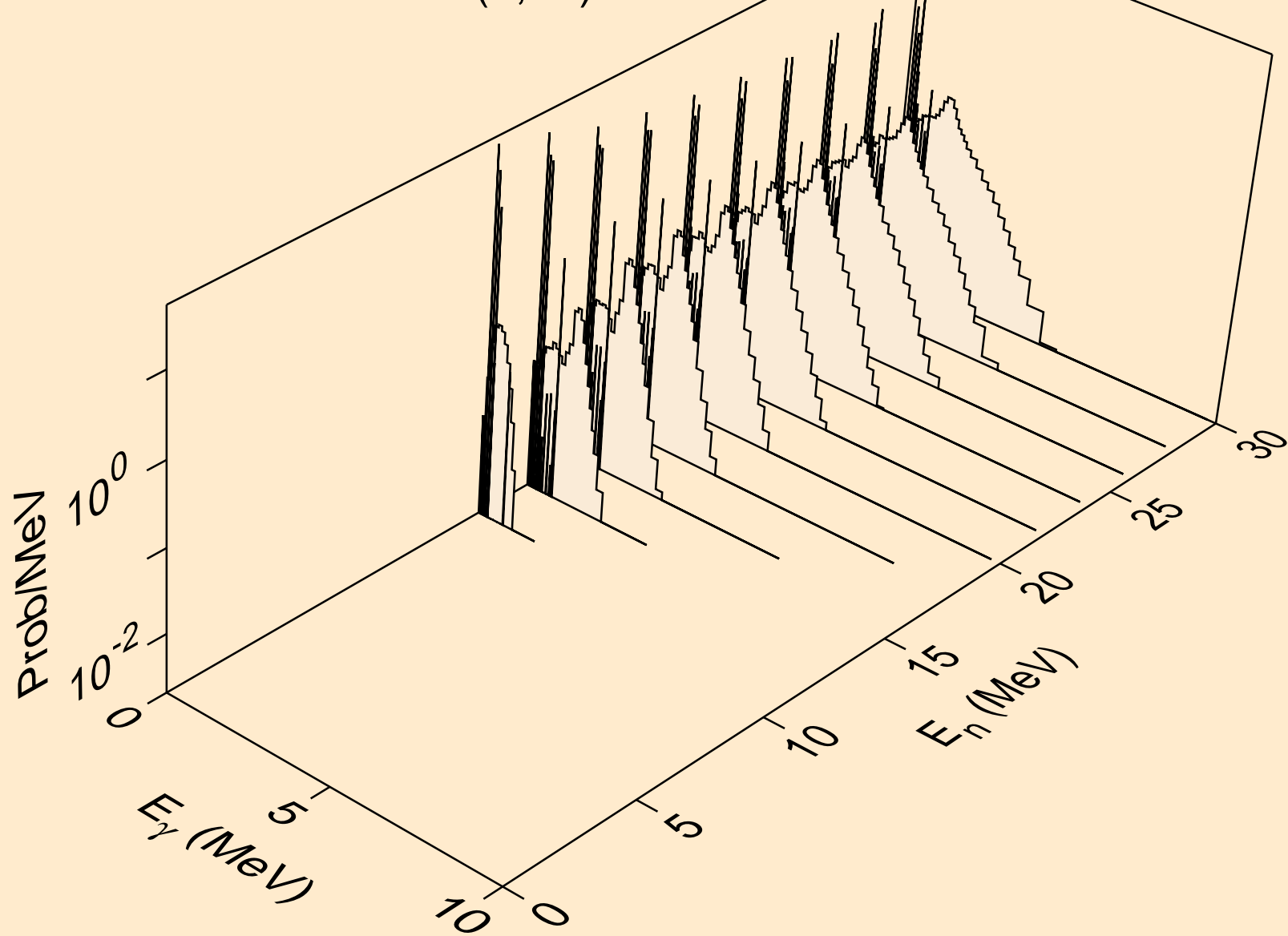
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



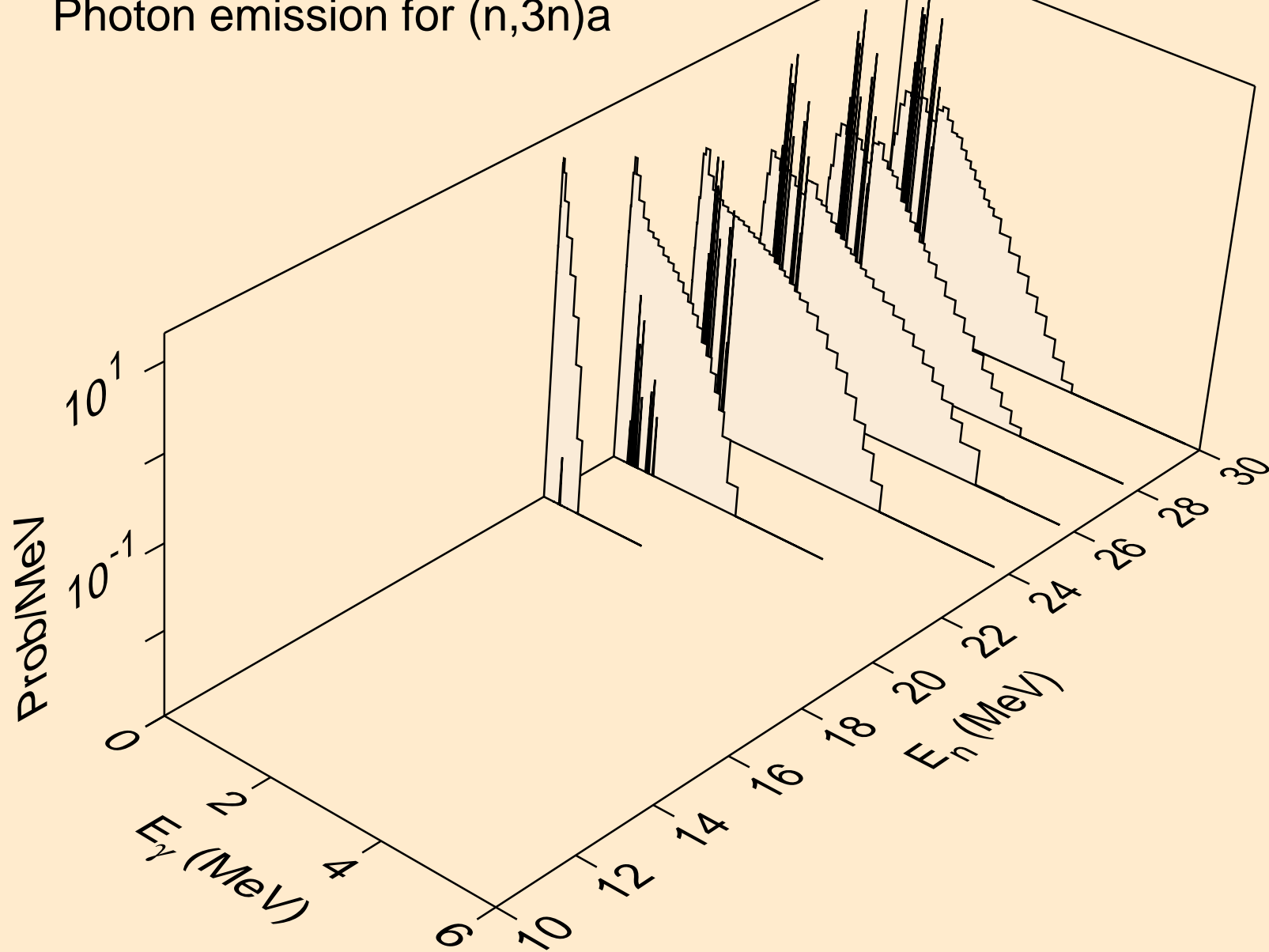
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a

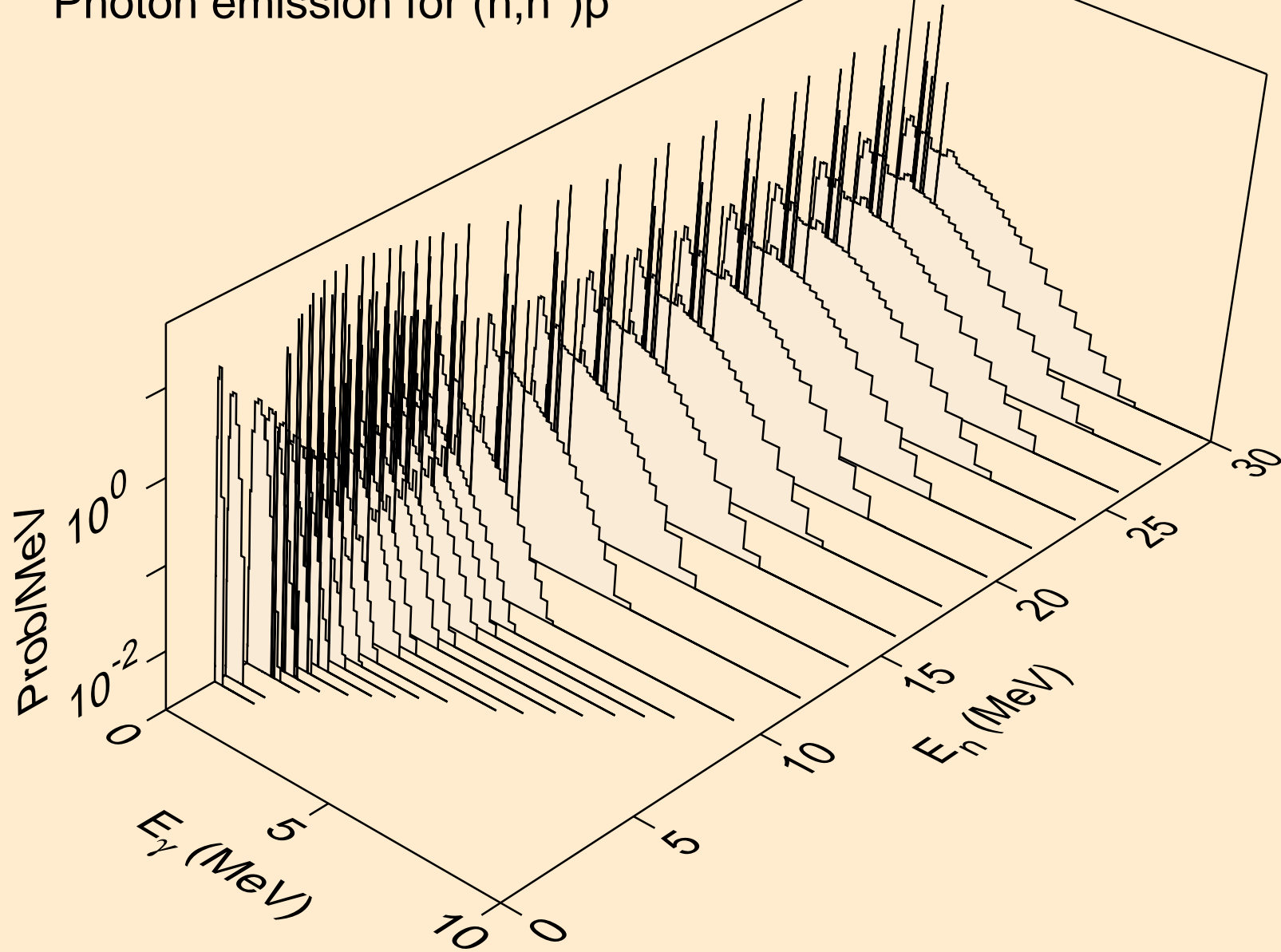


BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a

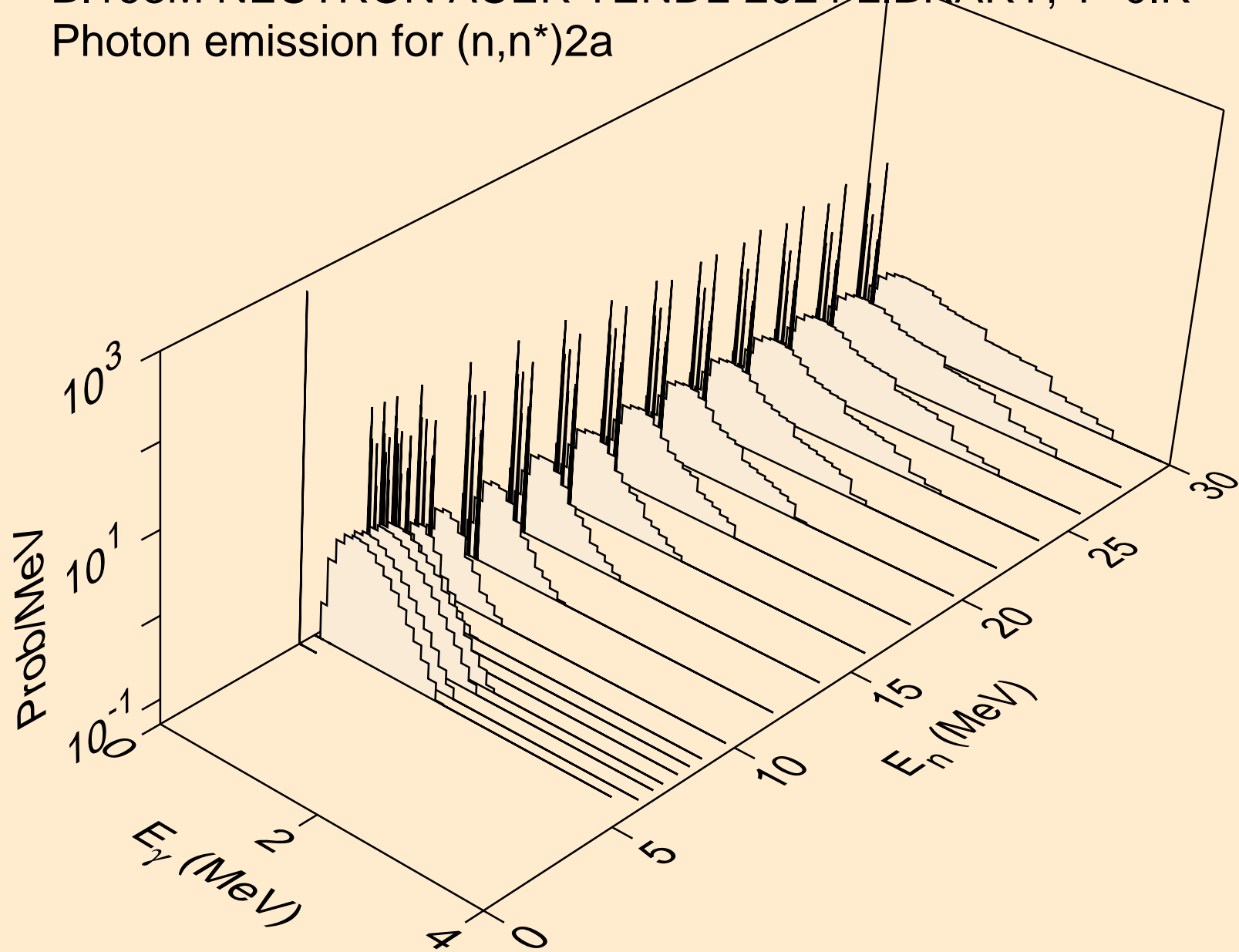




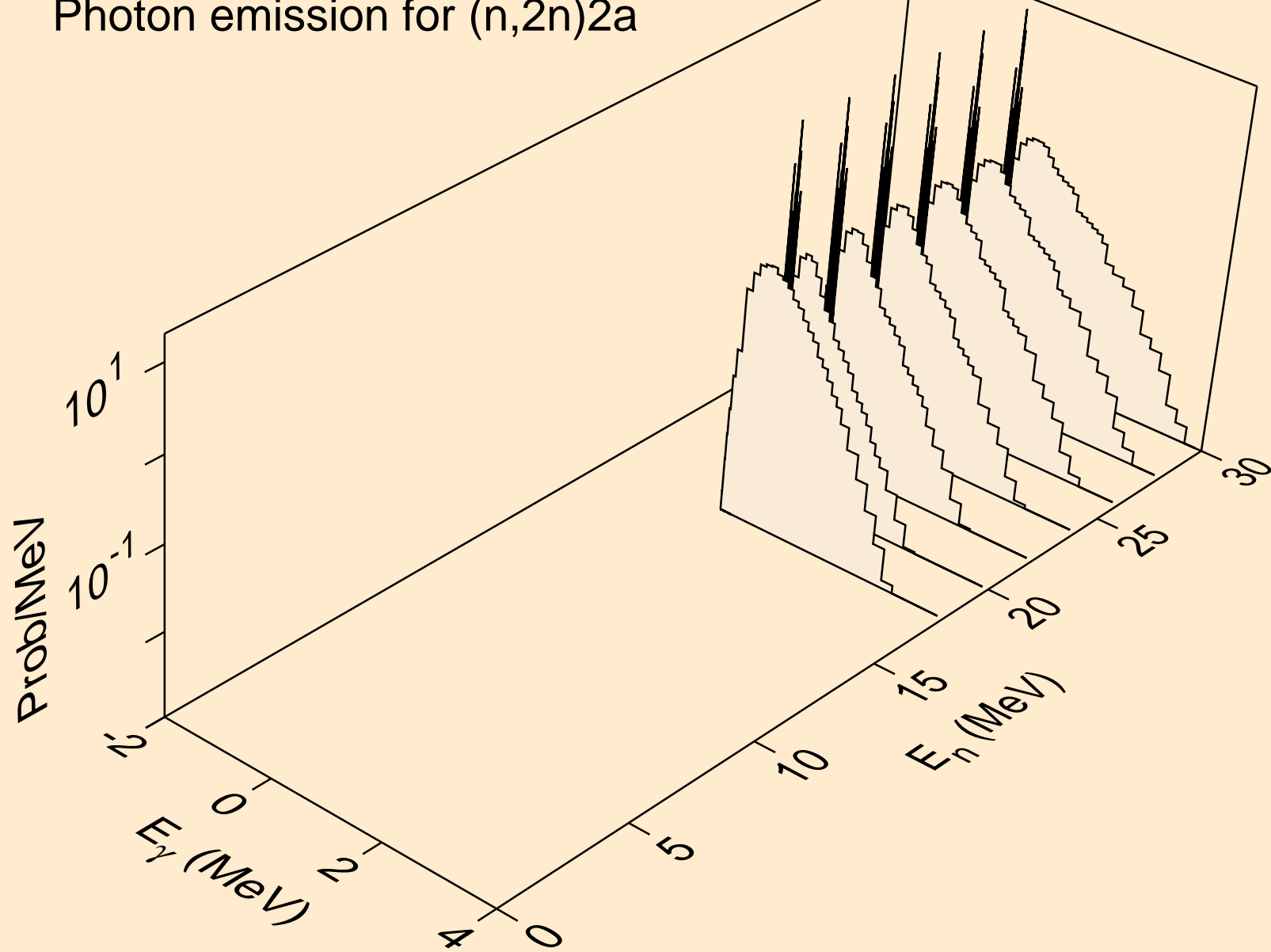
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



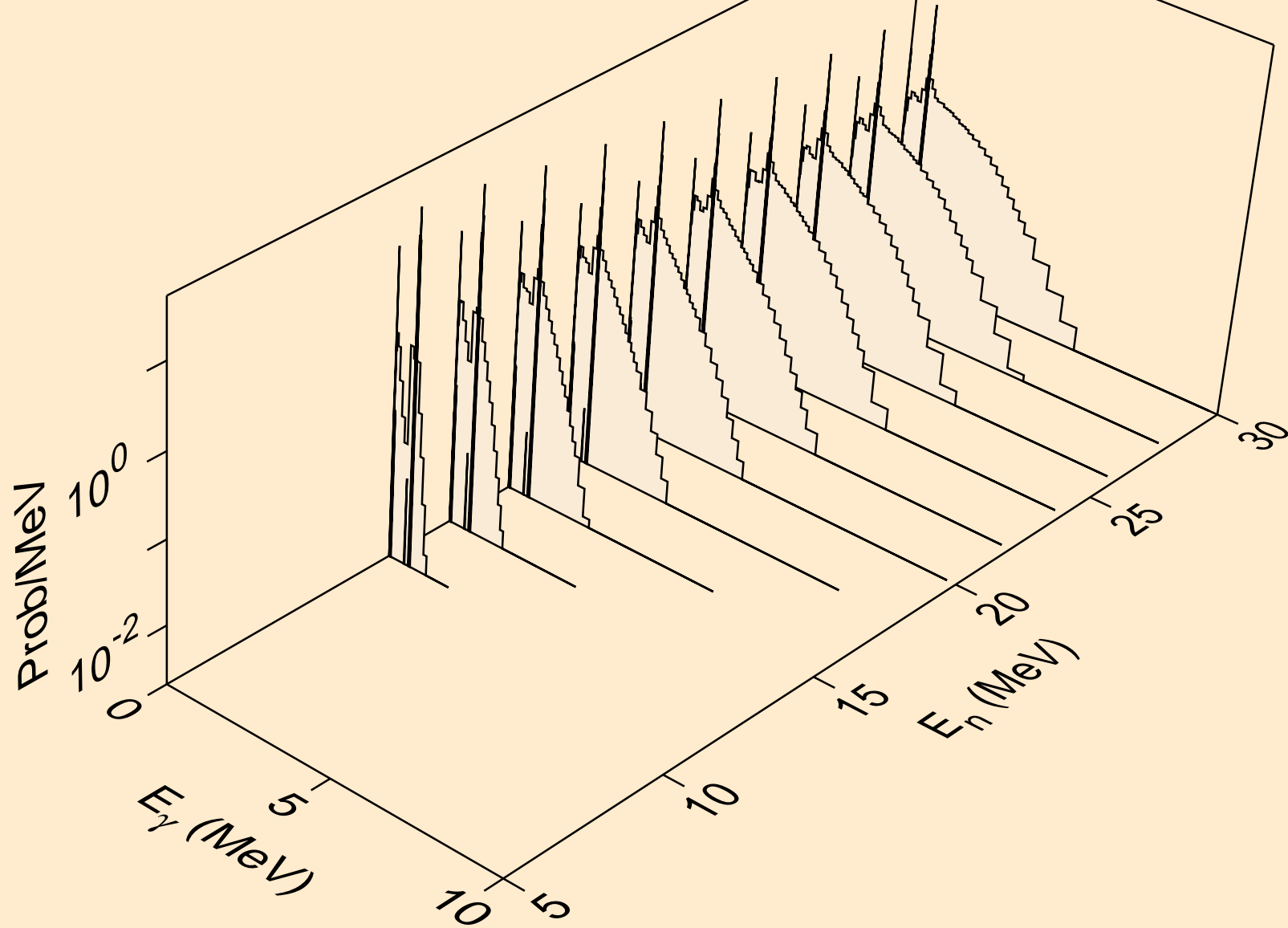
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



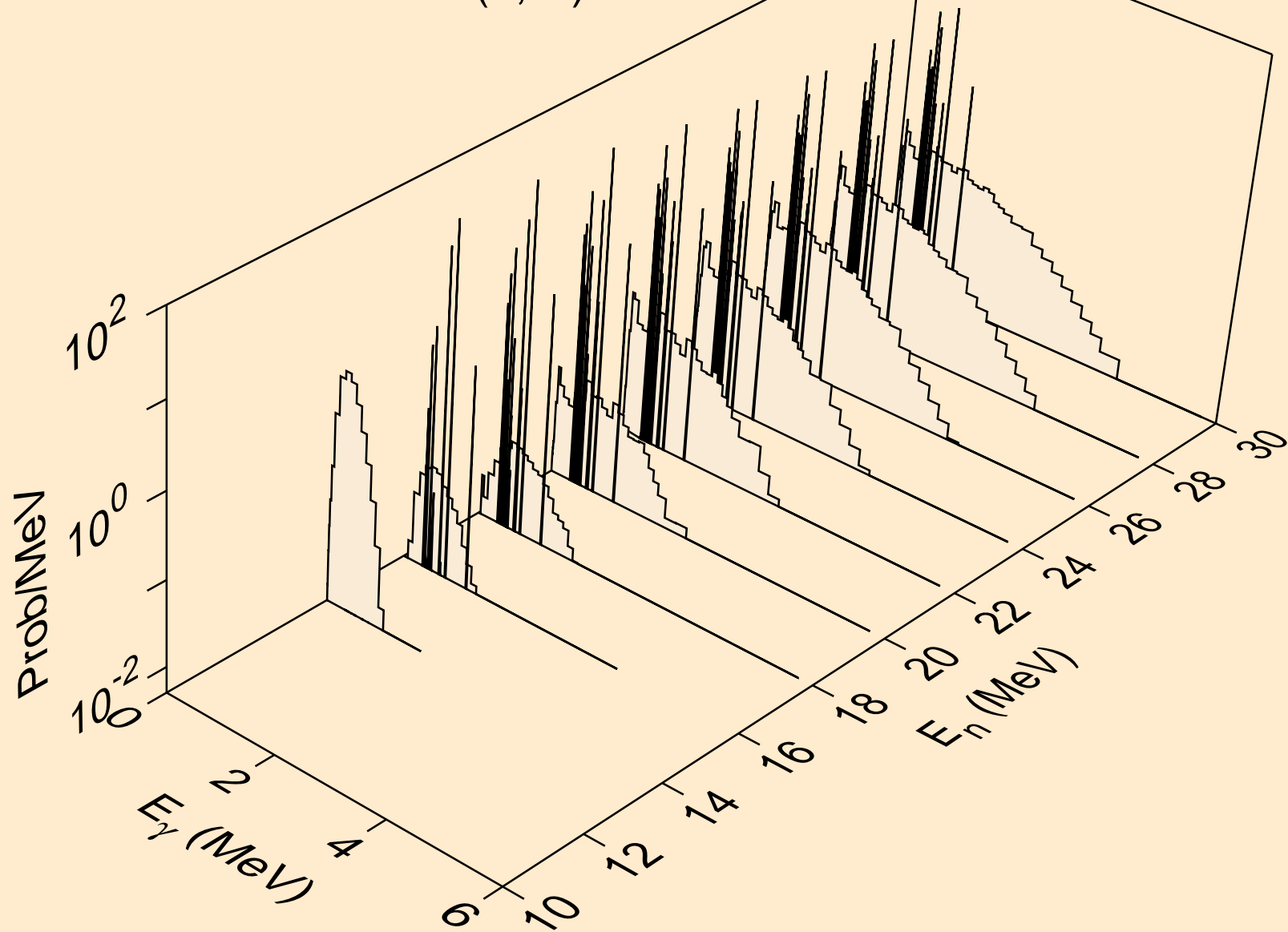
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



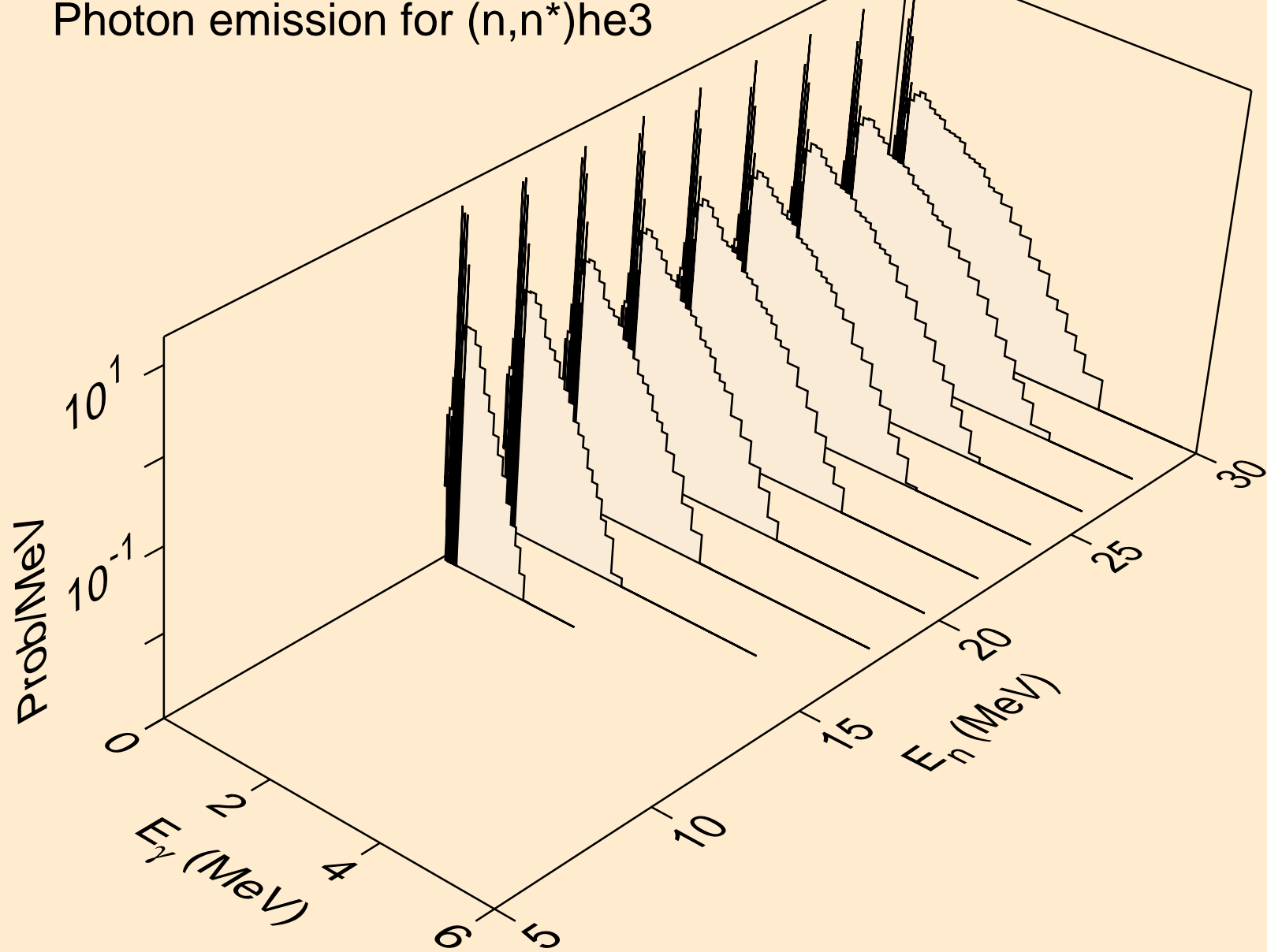
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



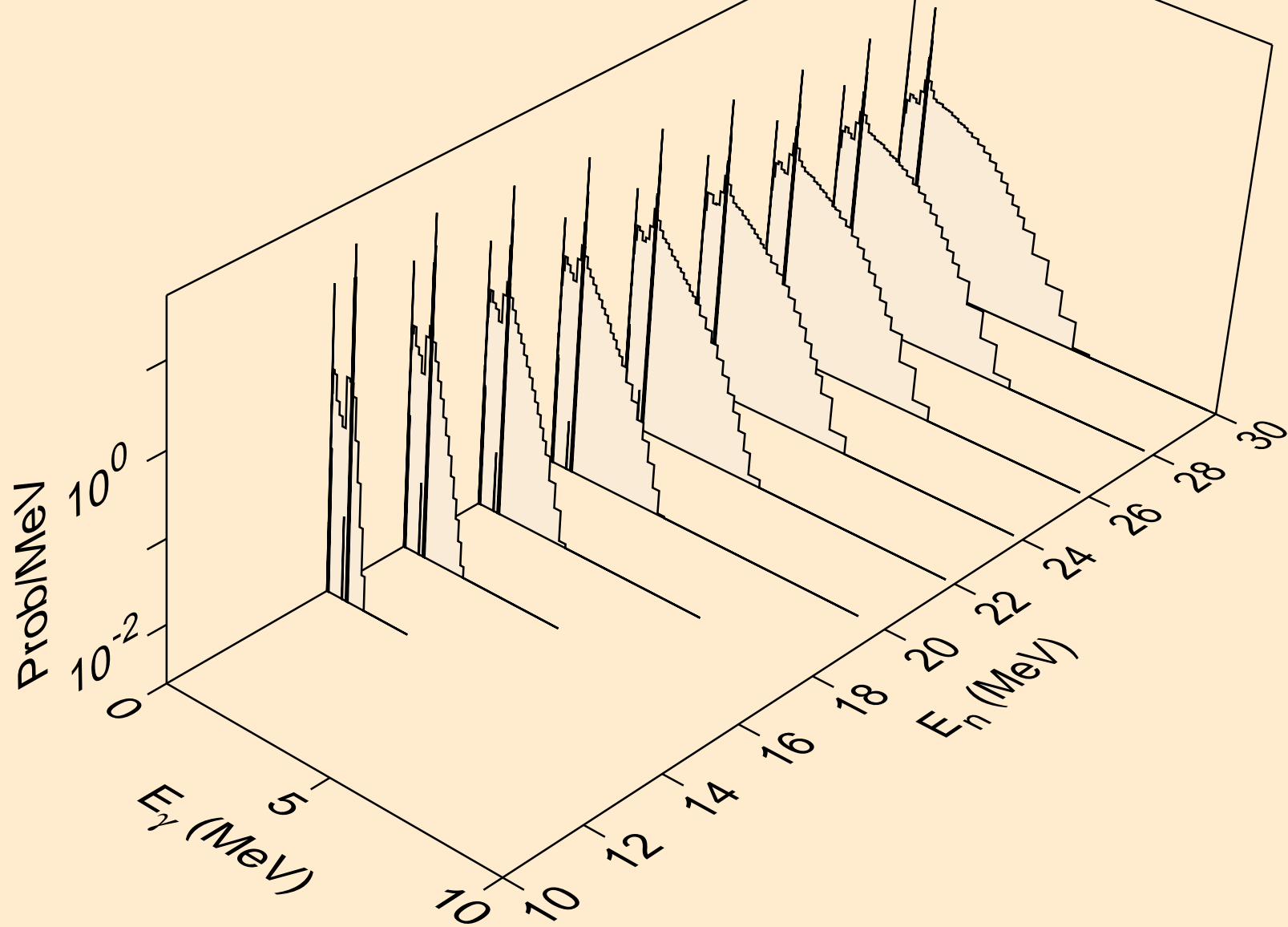
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



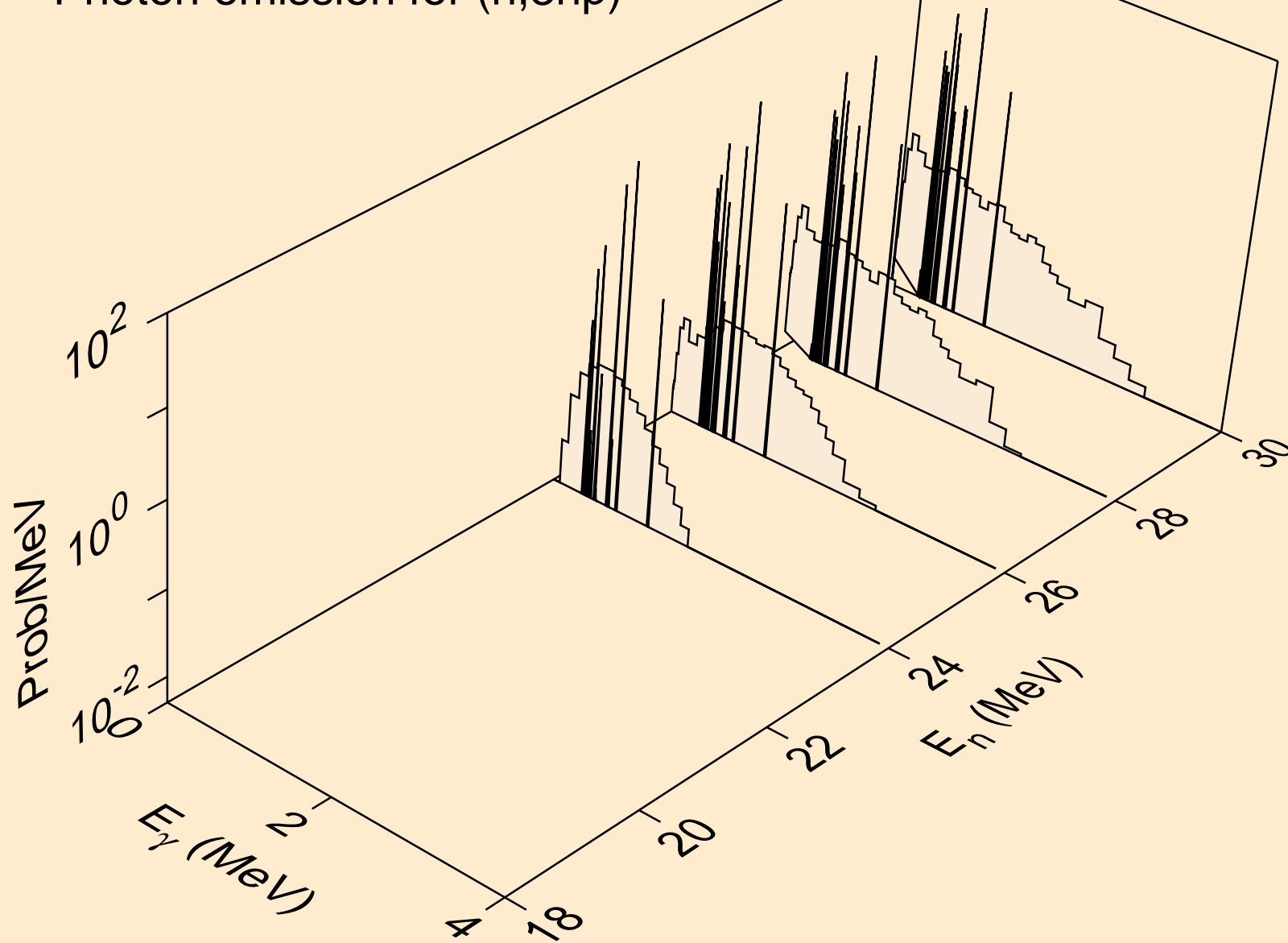
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)

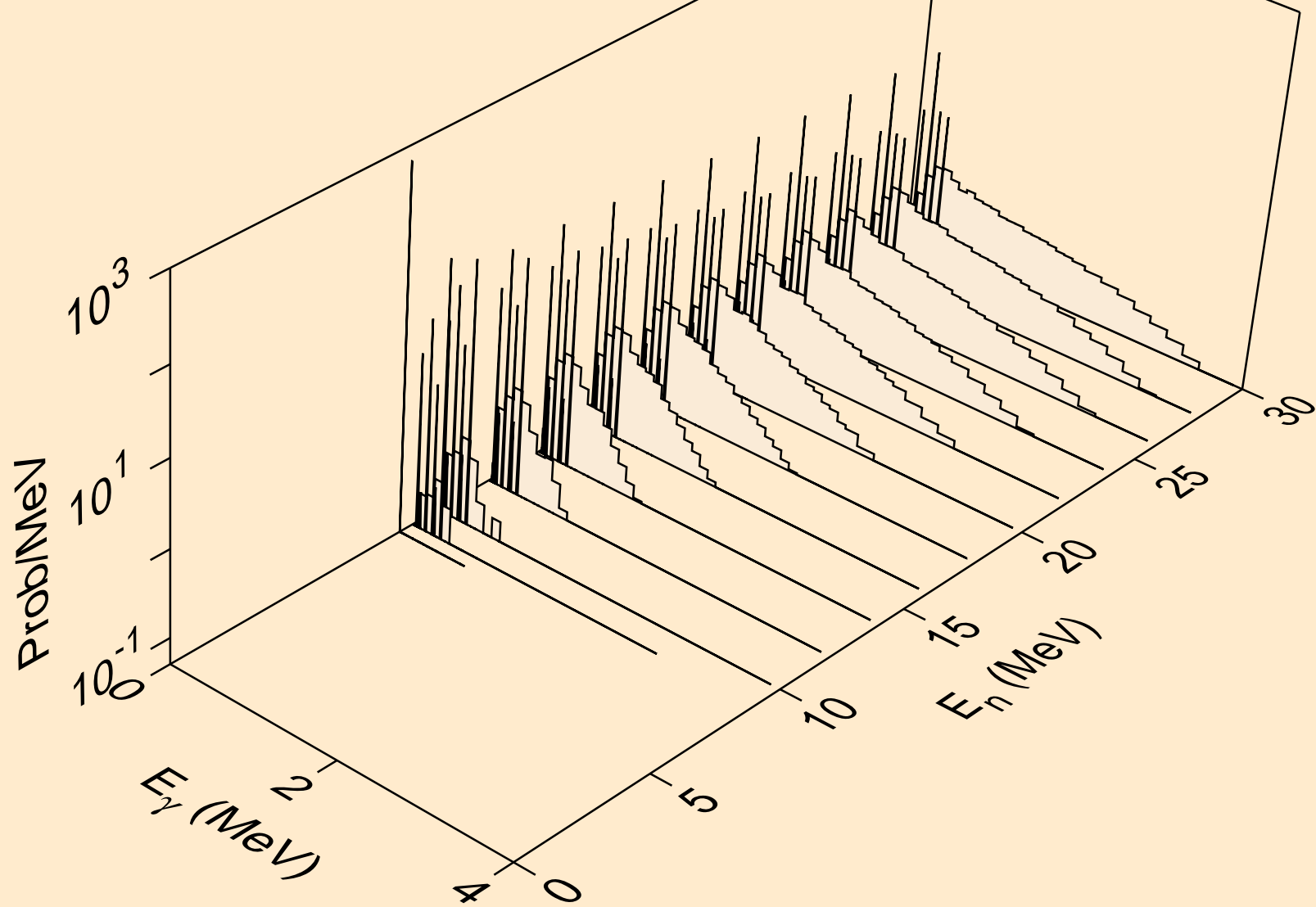


BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)

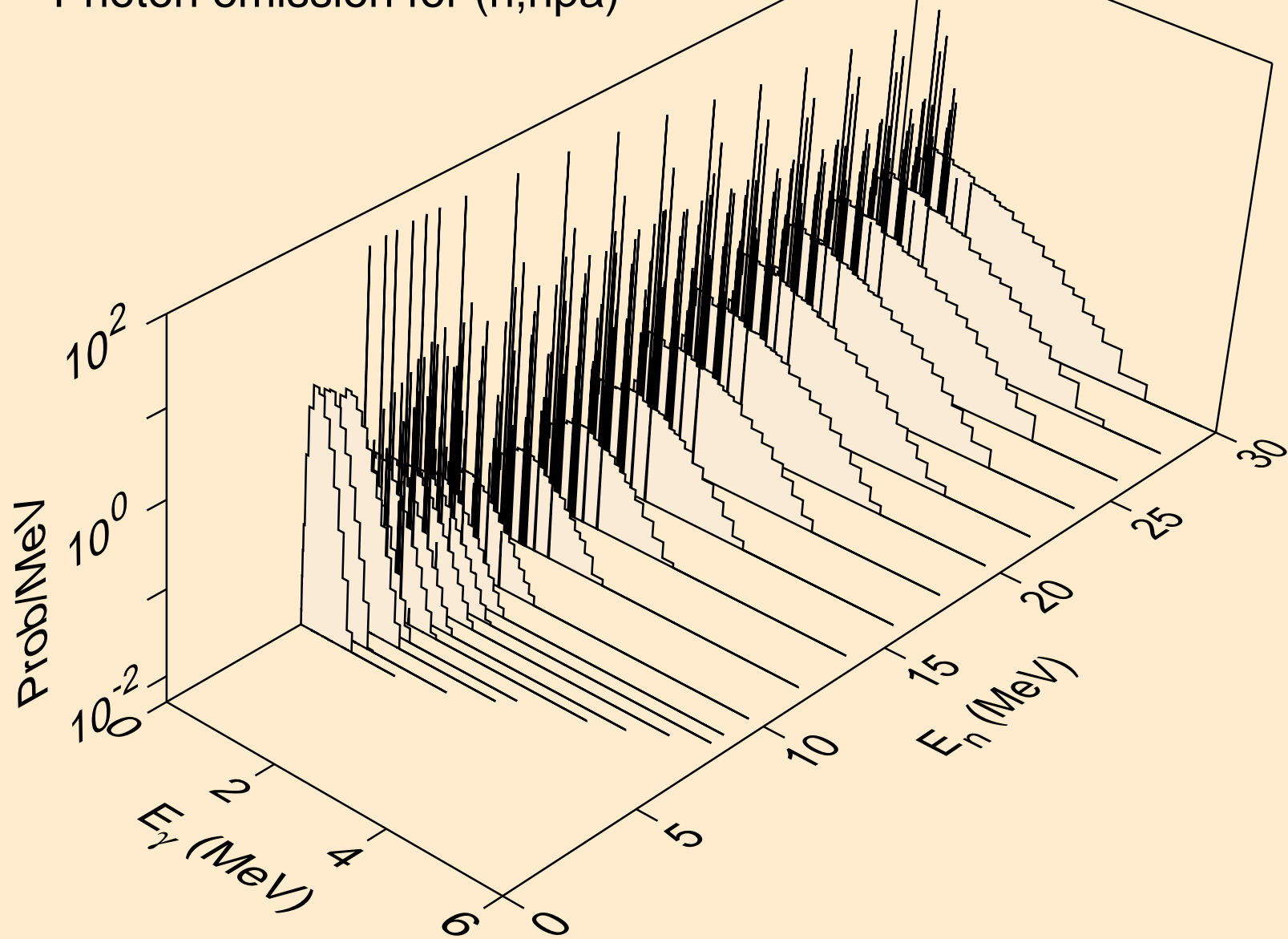




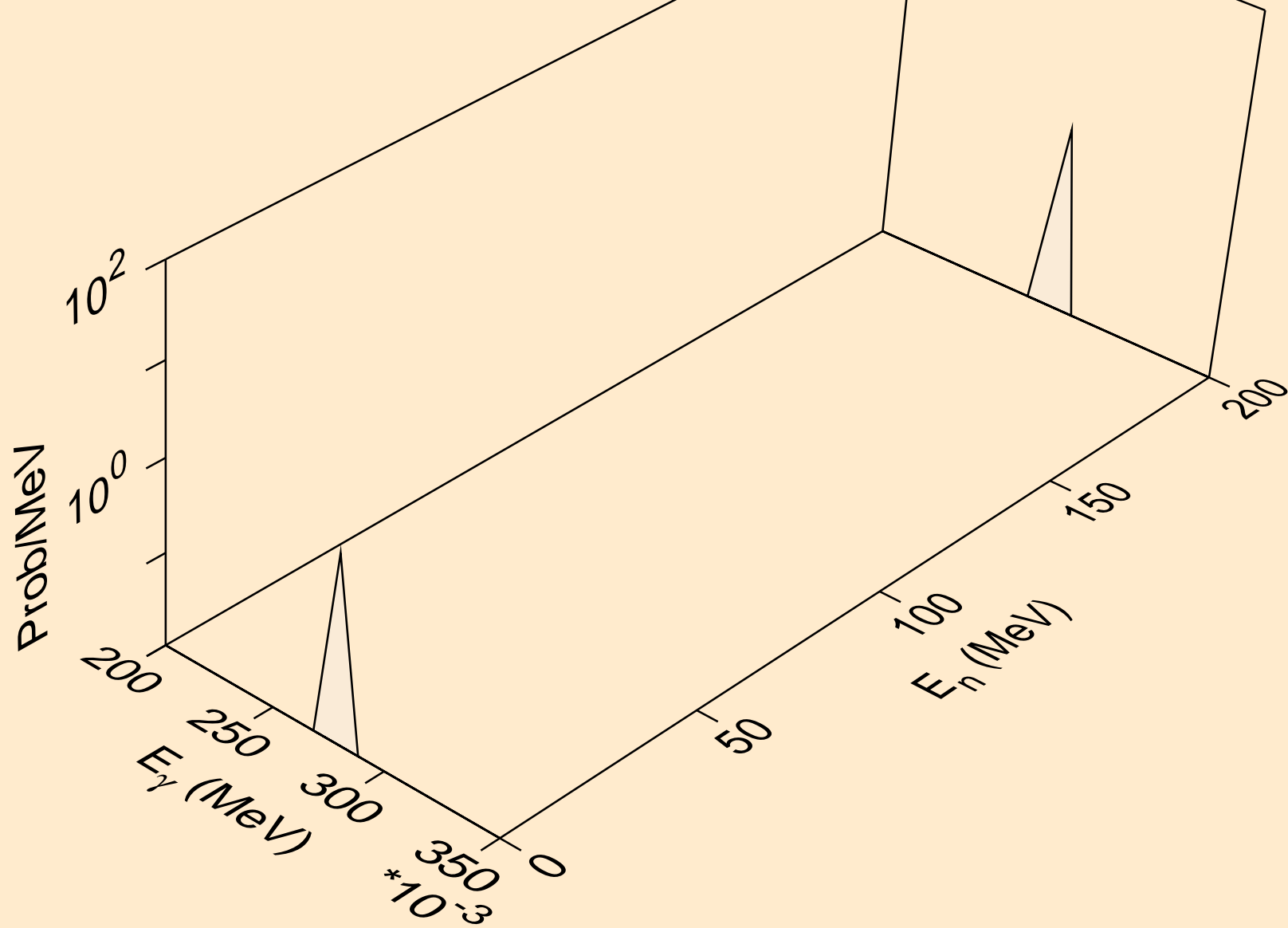
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



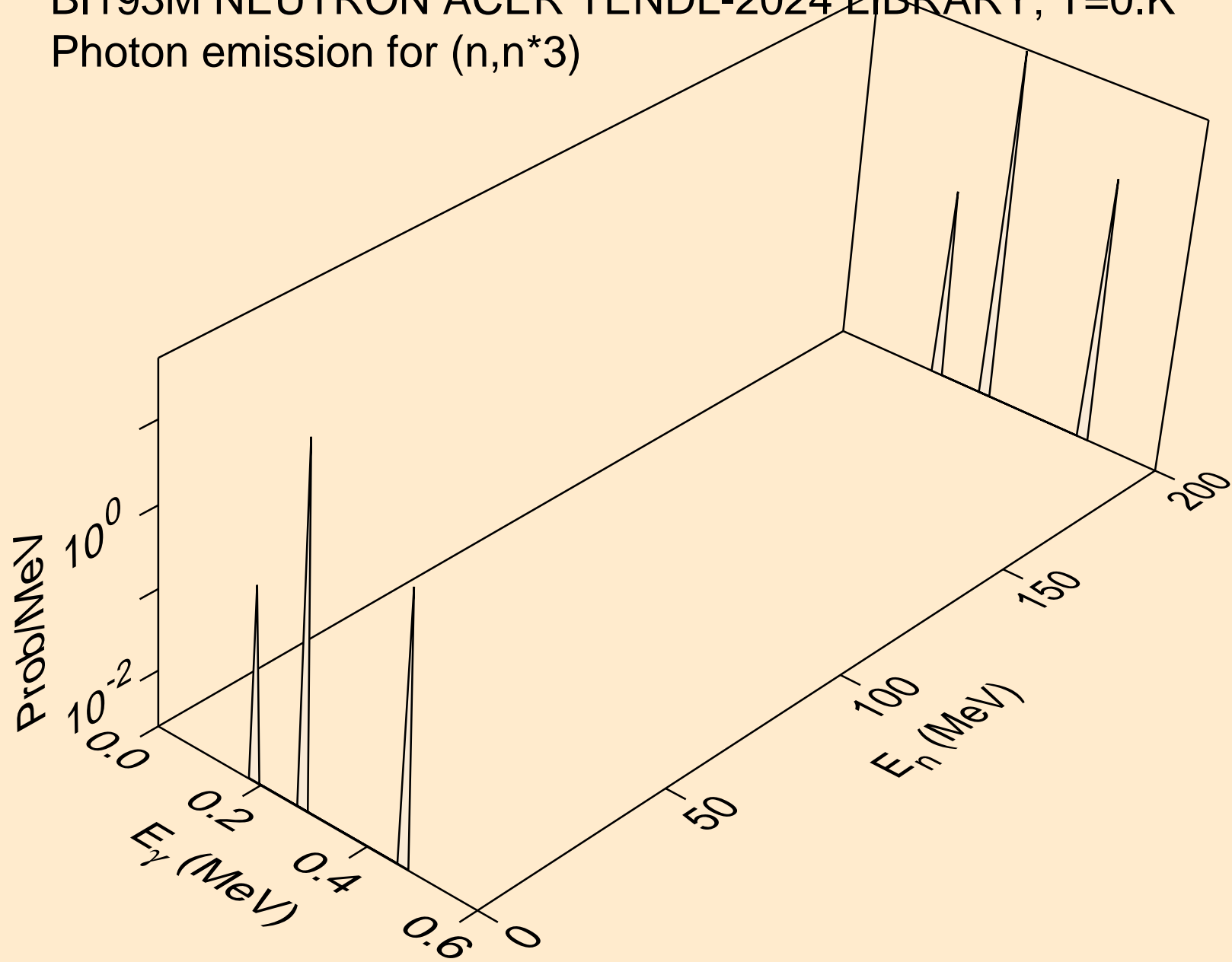
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



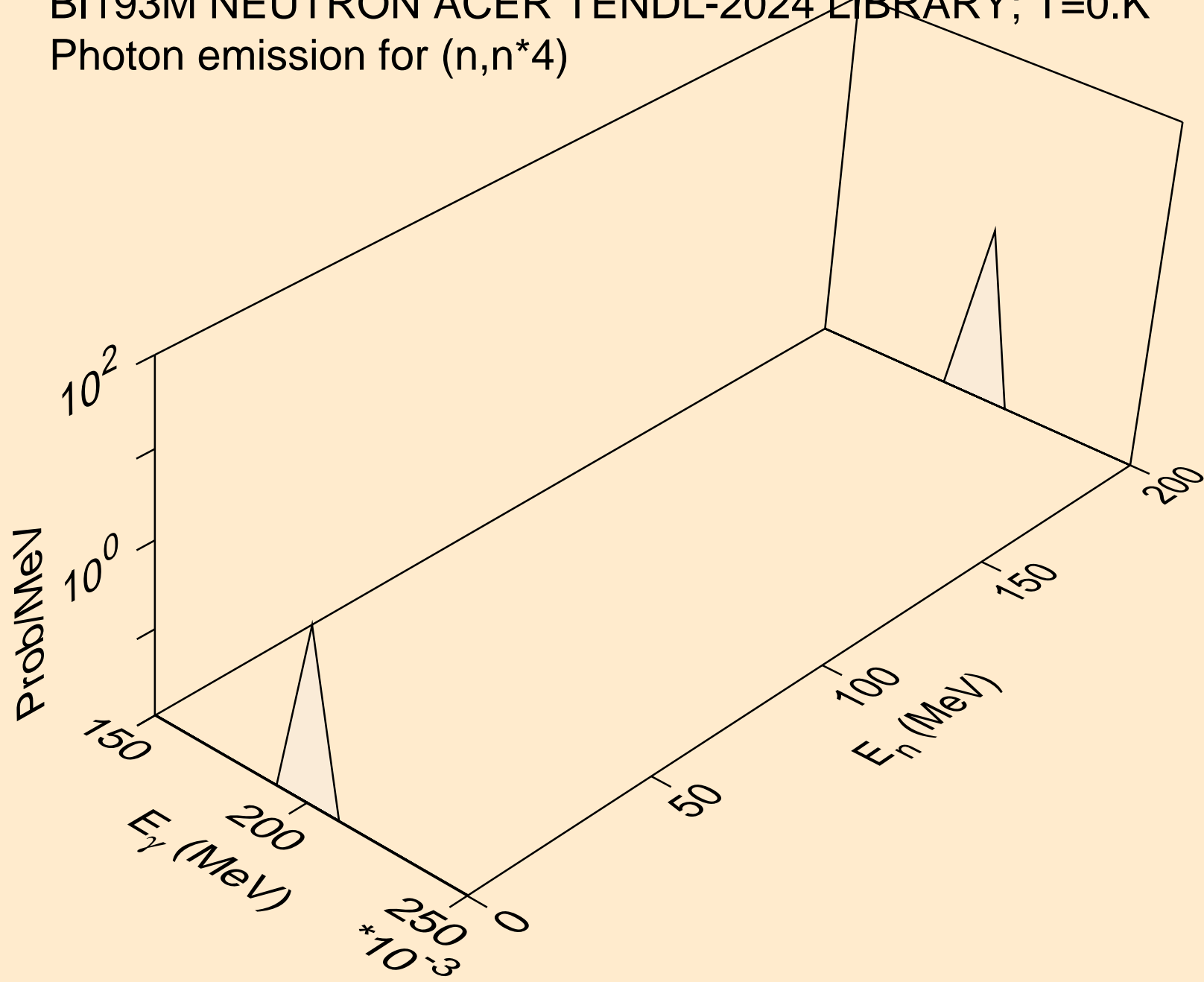
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*1)



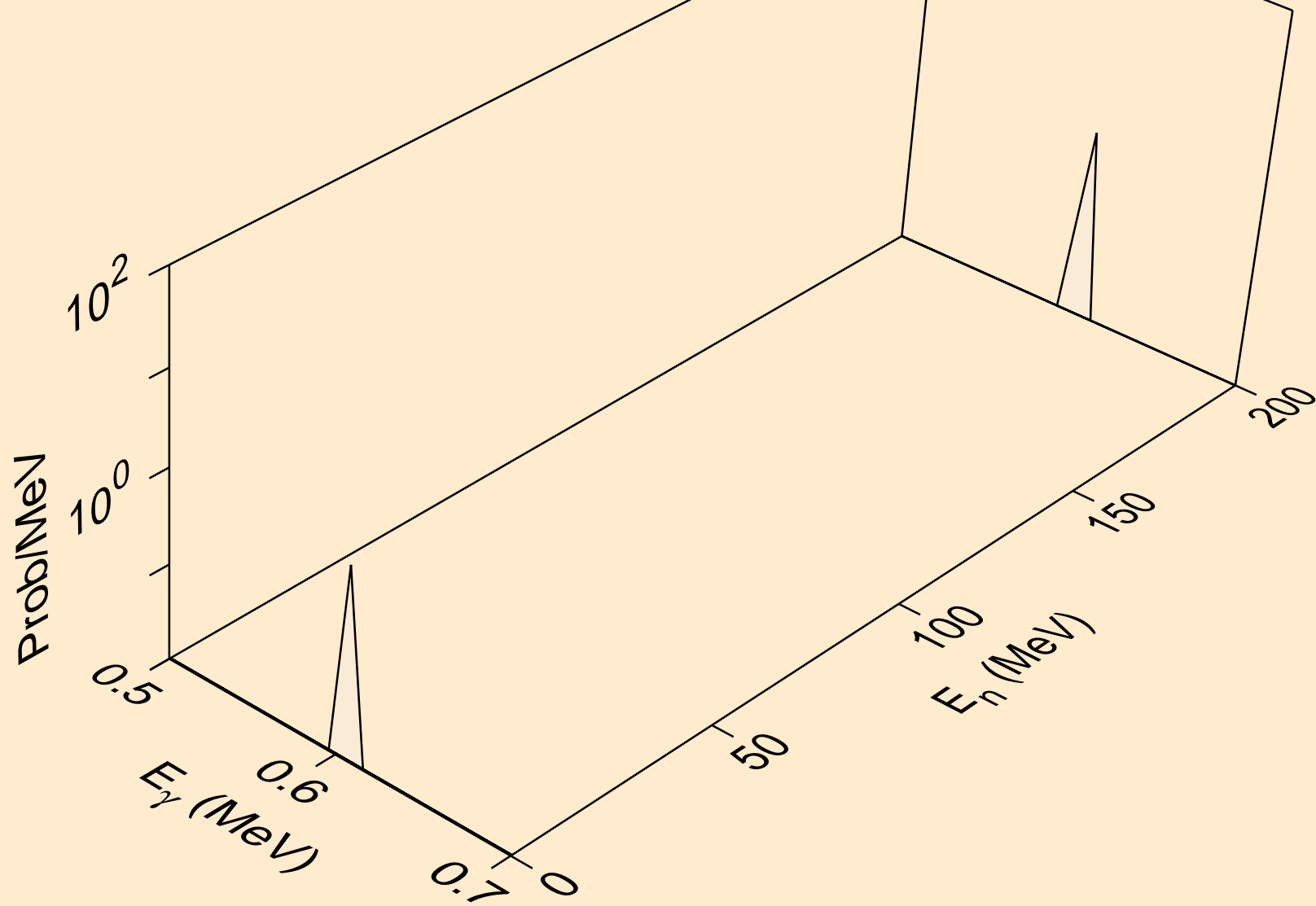
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*3)



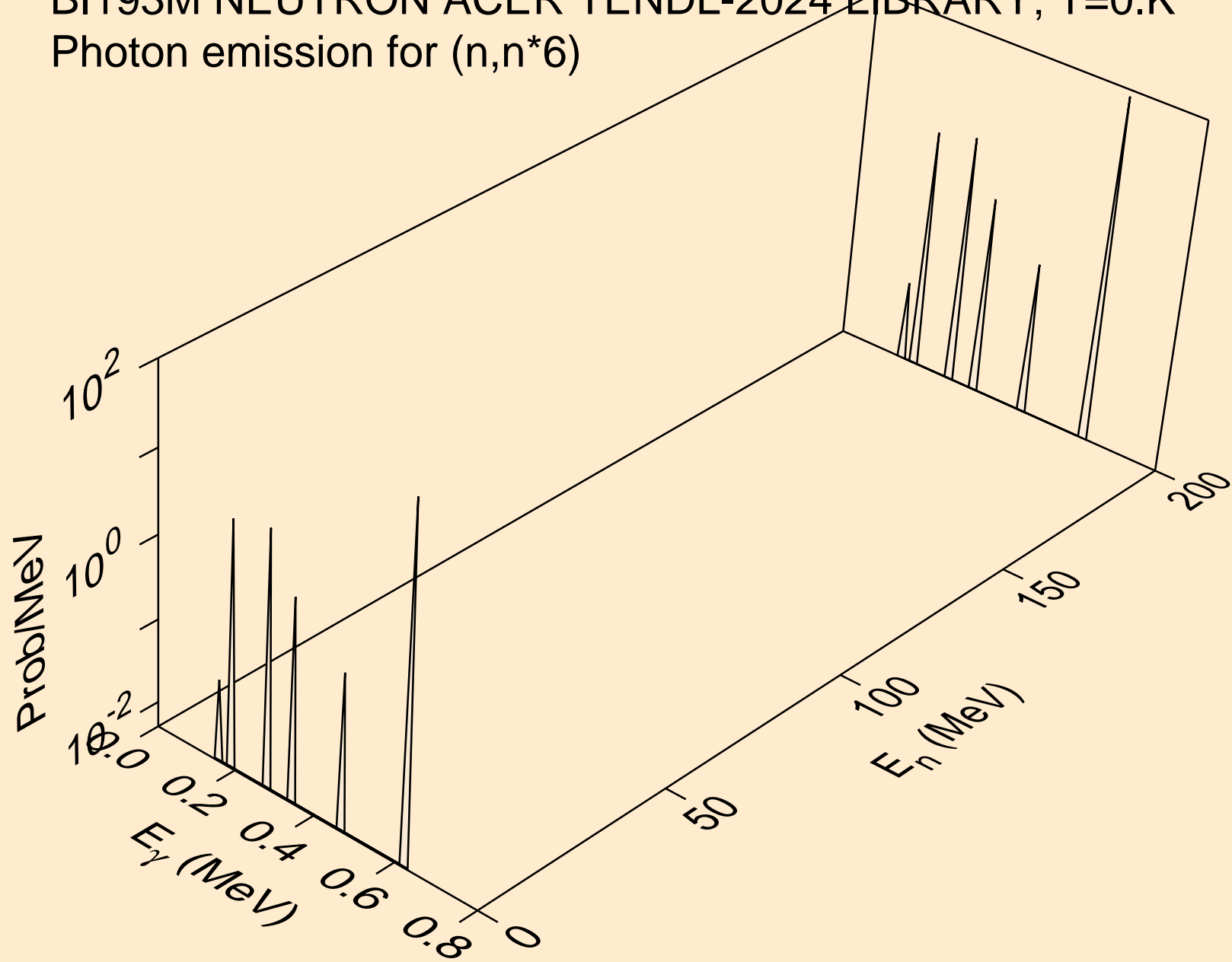
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*4)



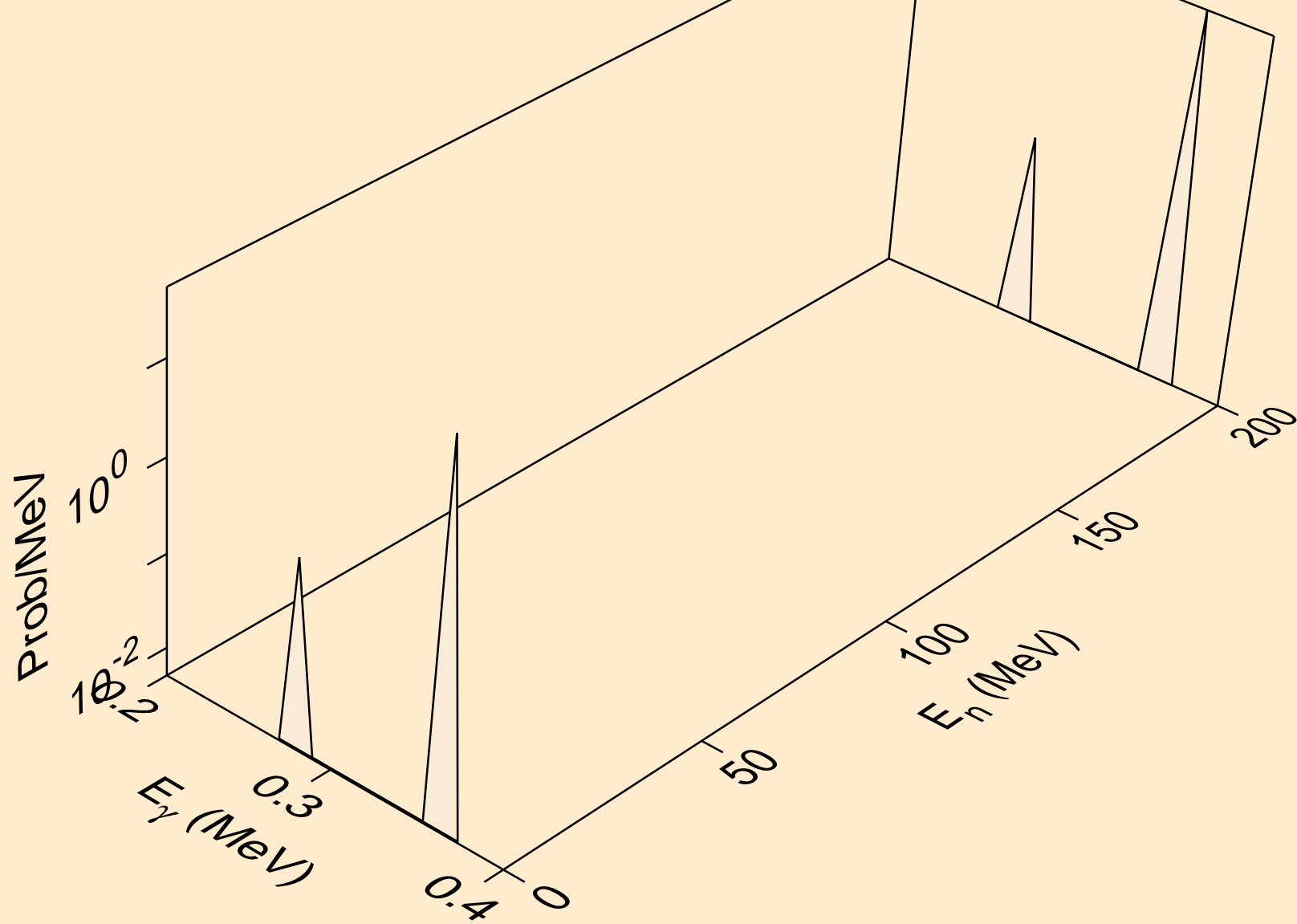
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*5)



BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*6)

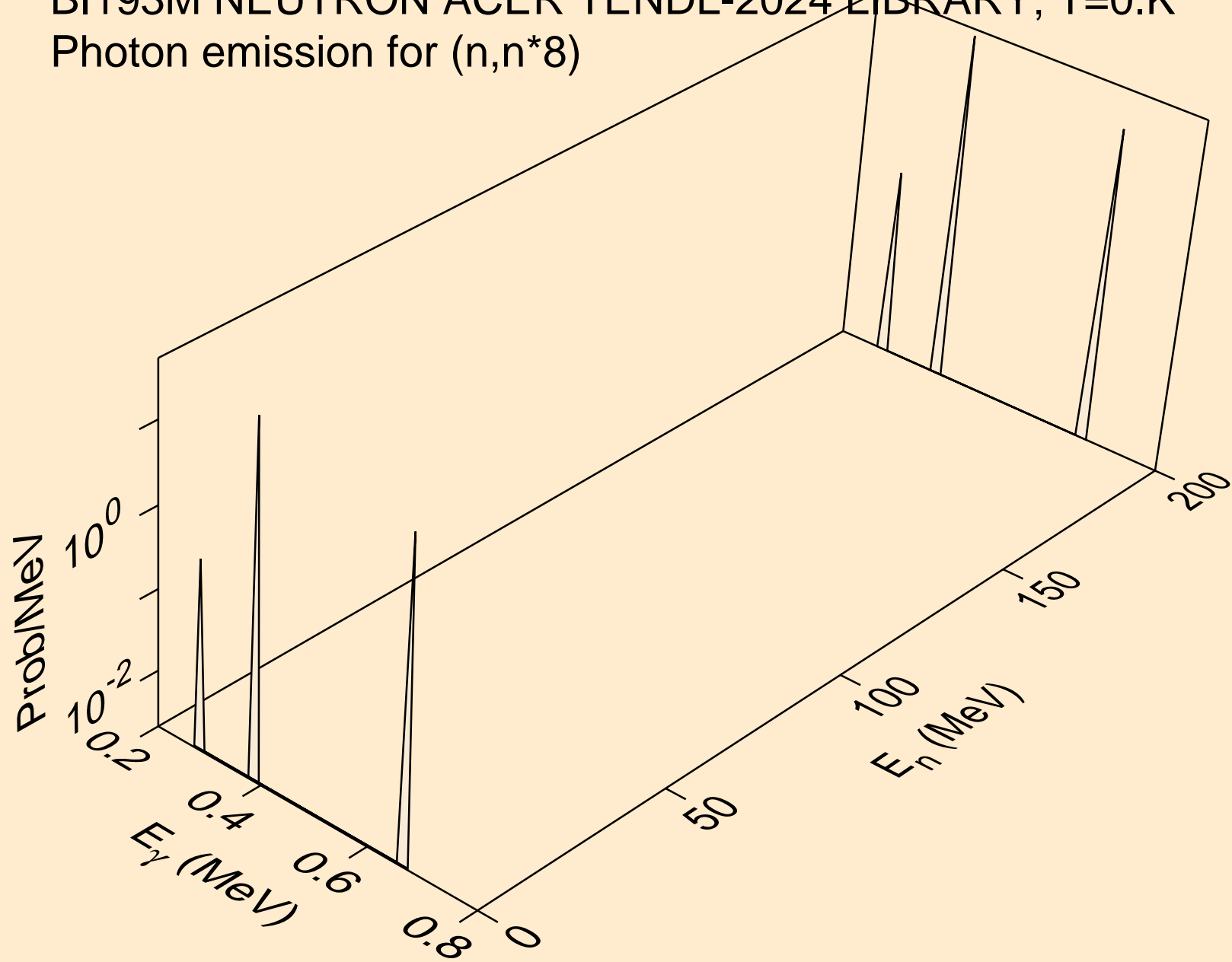


BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*7)

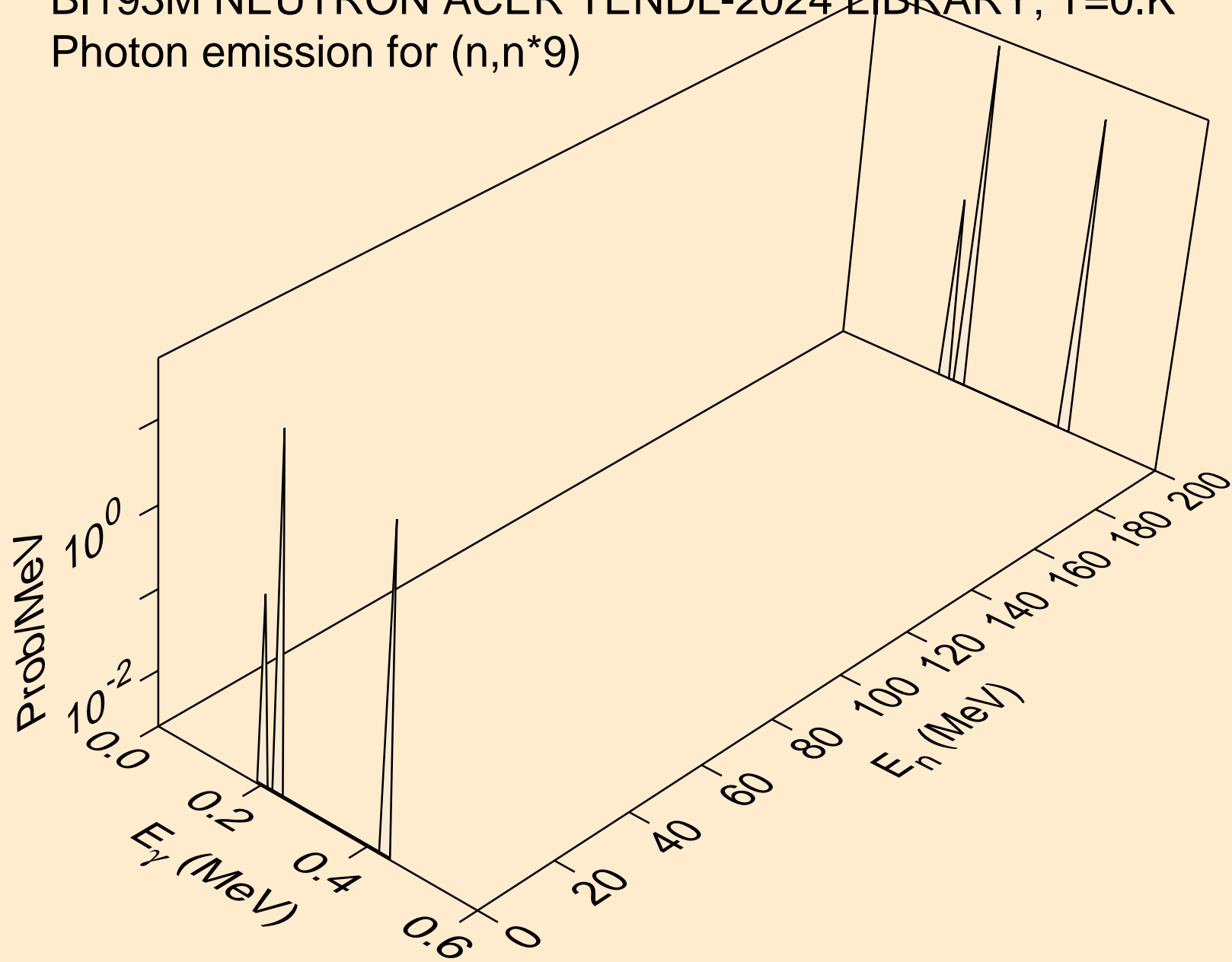




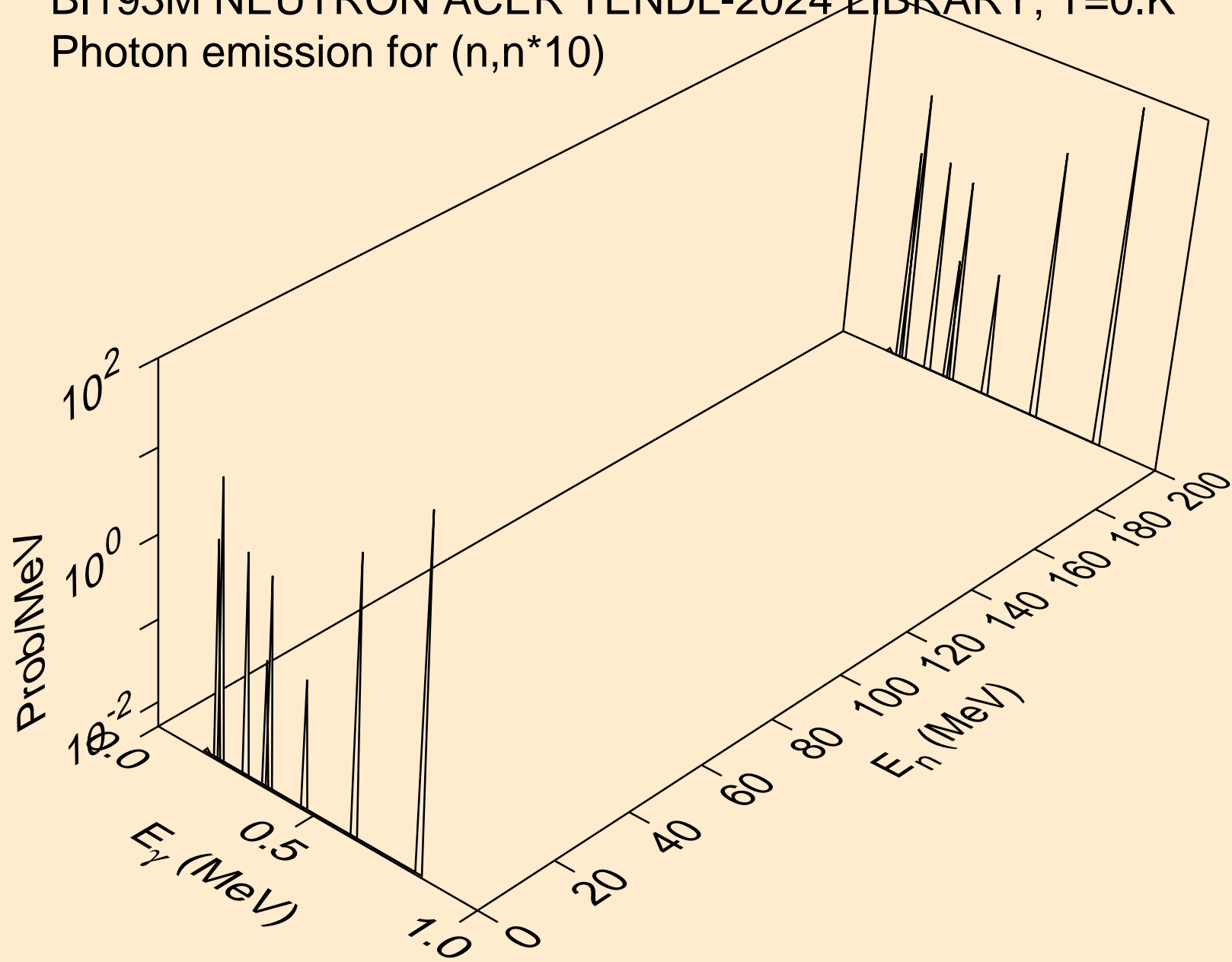
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*8)



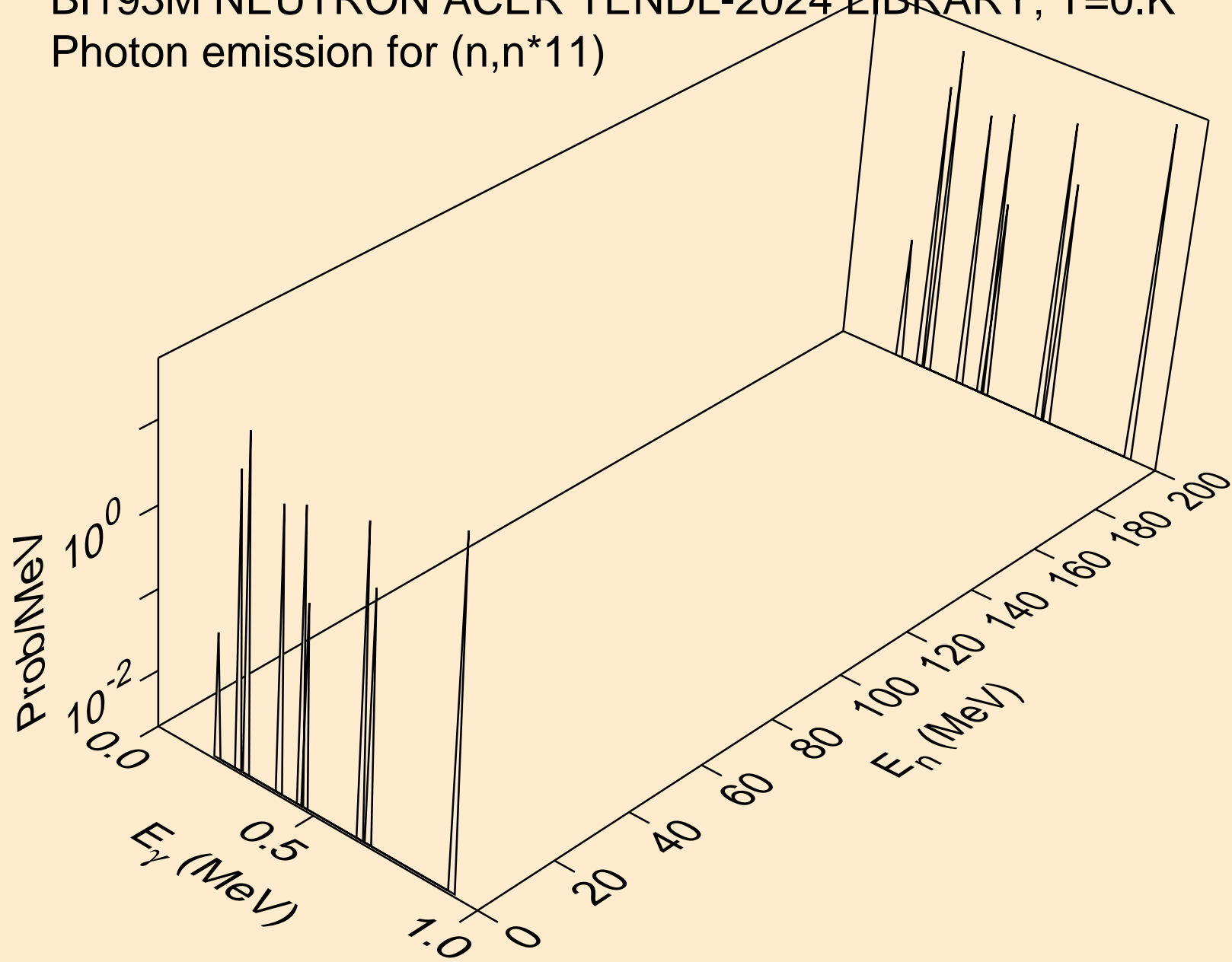
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*9)



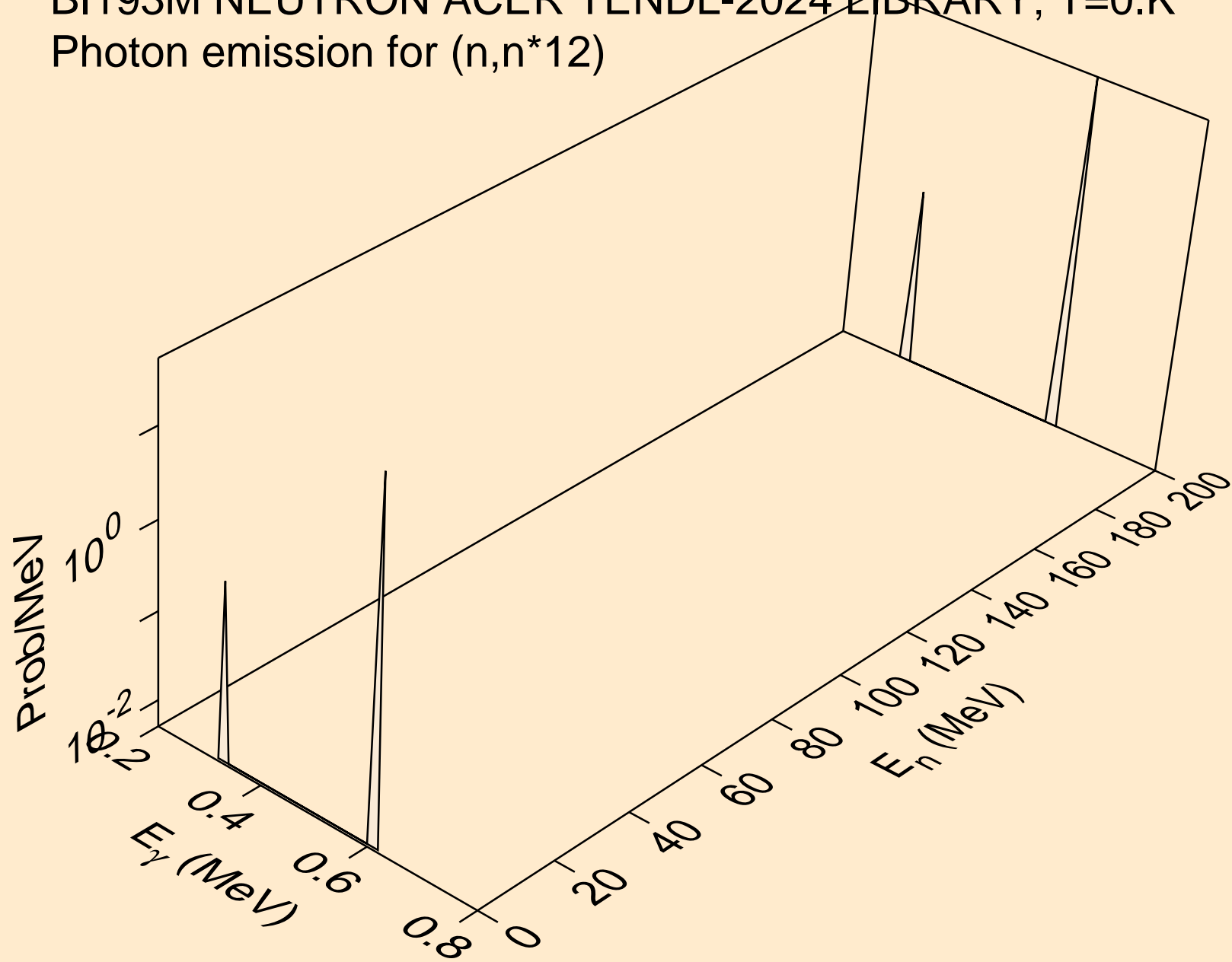
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*10)



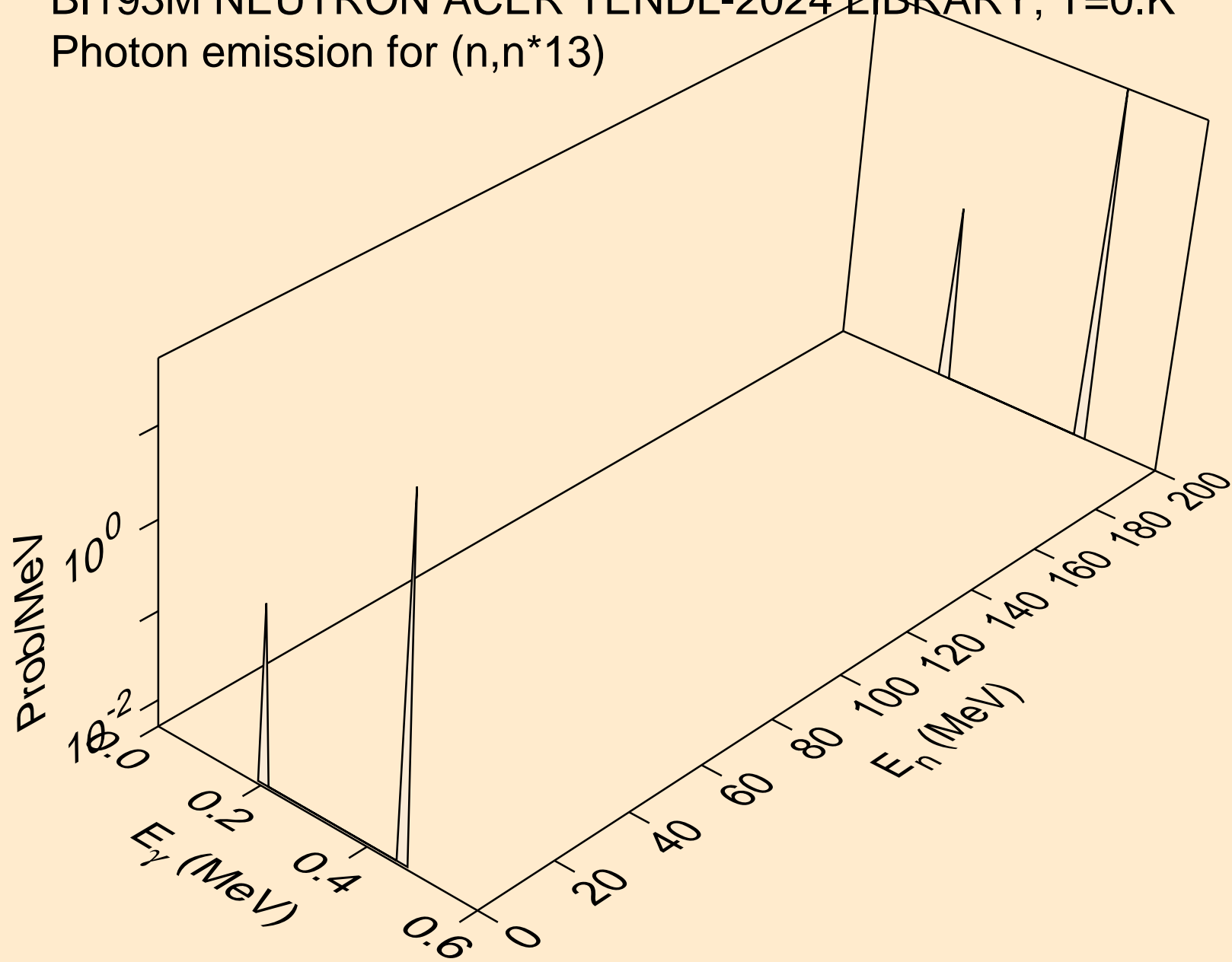
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*11)



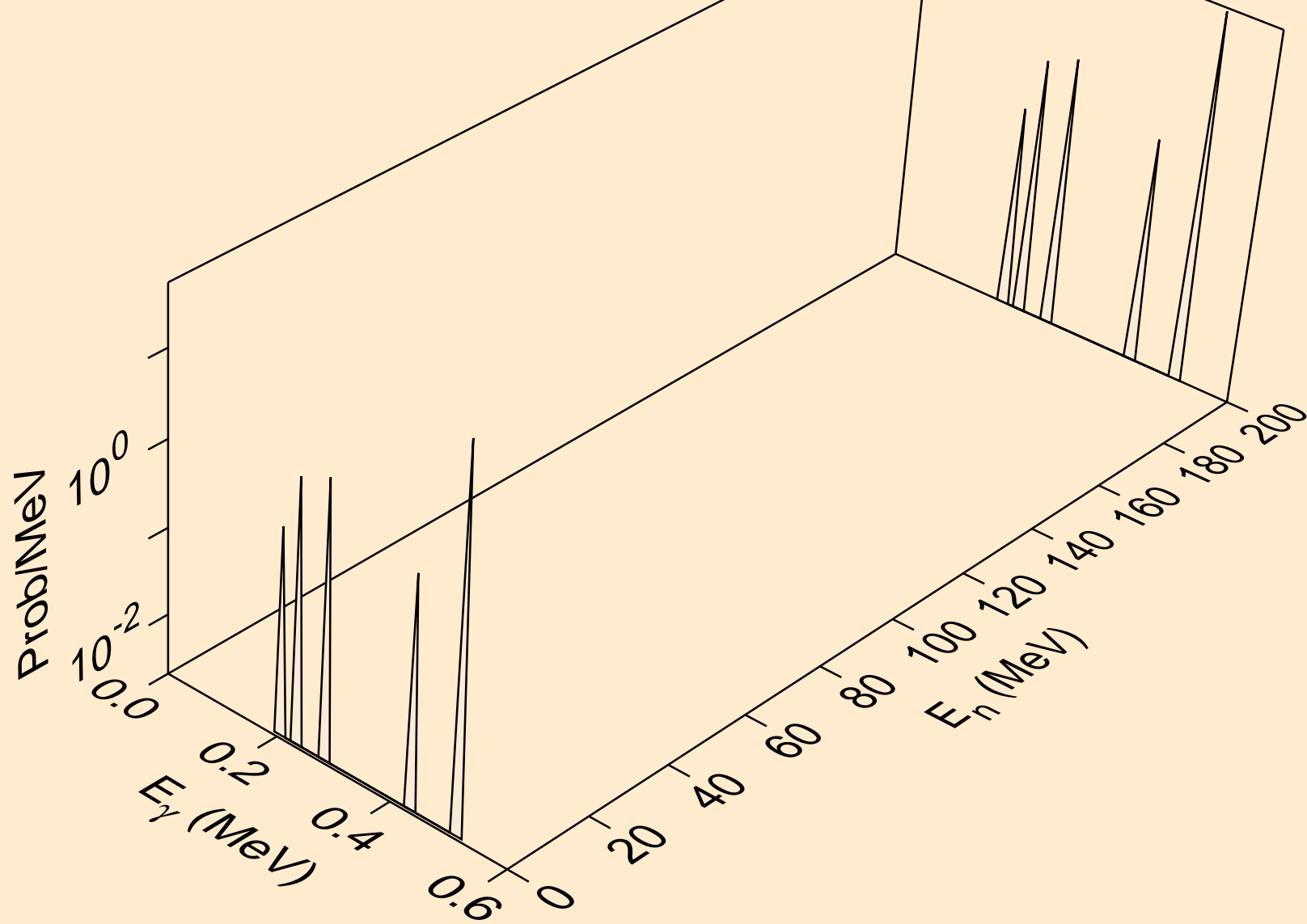
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*12)



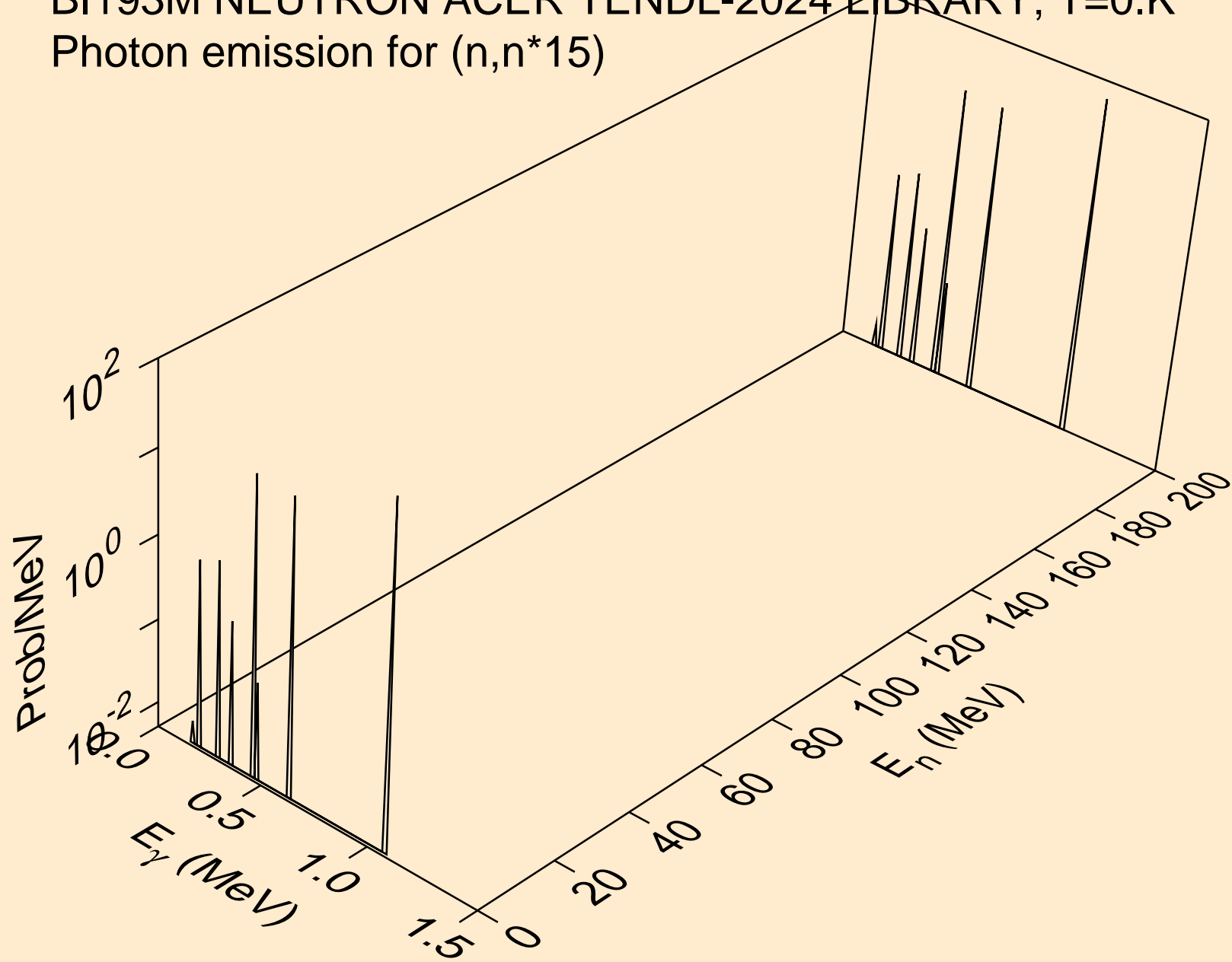
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*13)



BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*14)

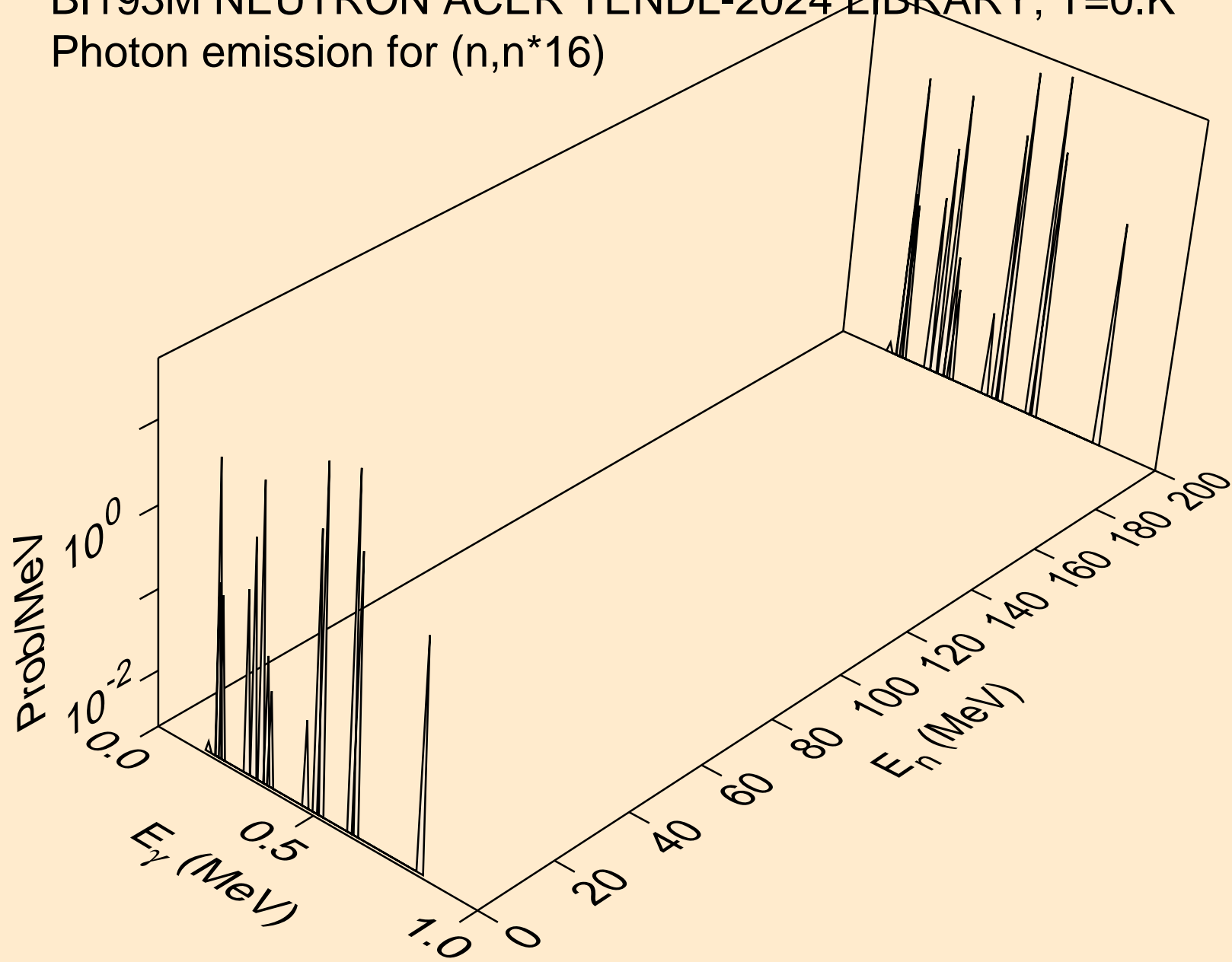


BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*15)

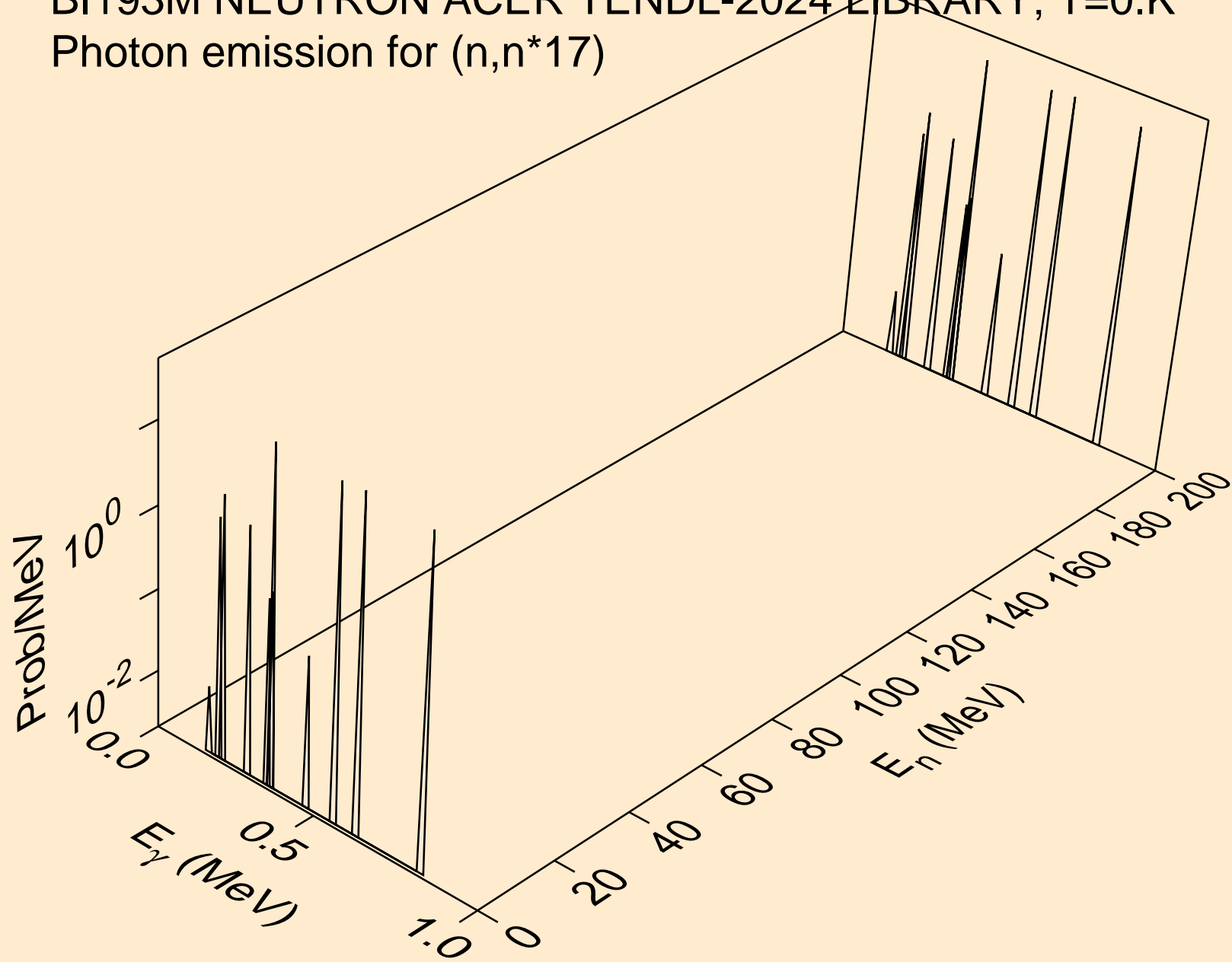




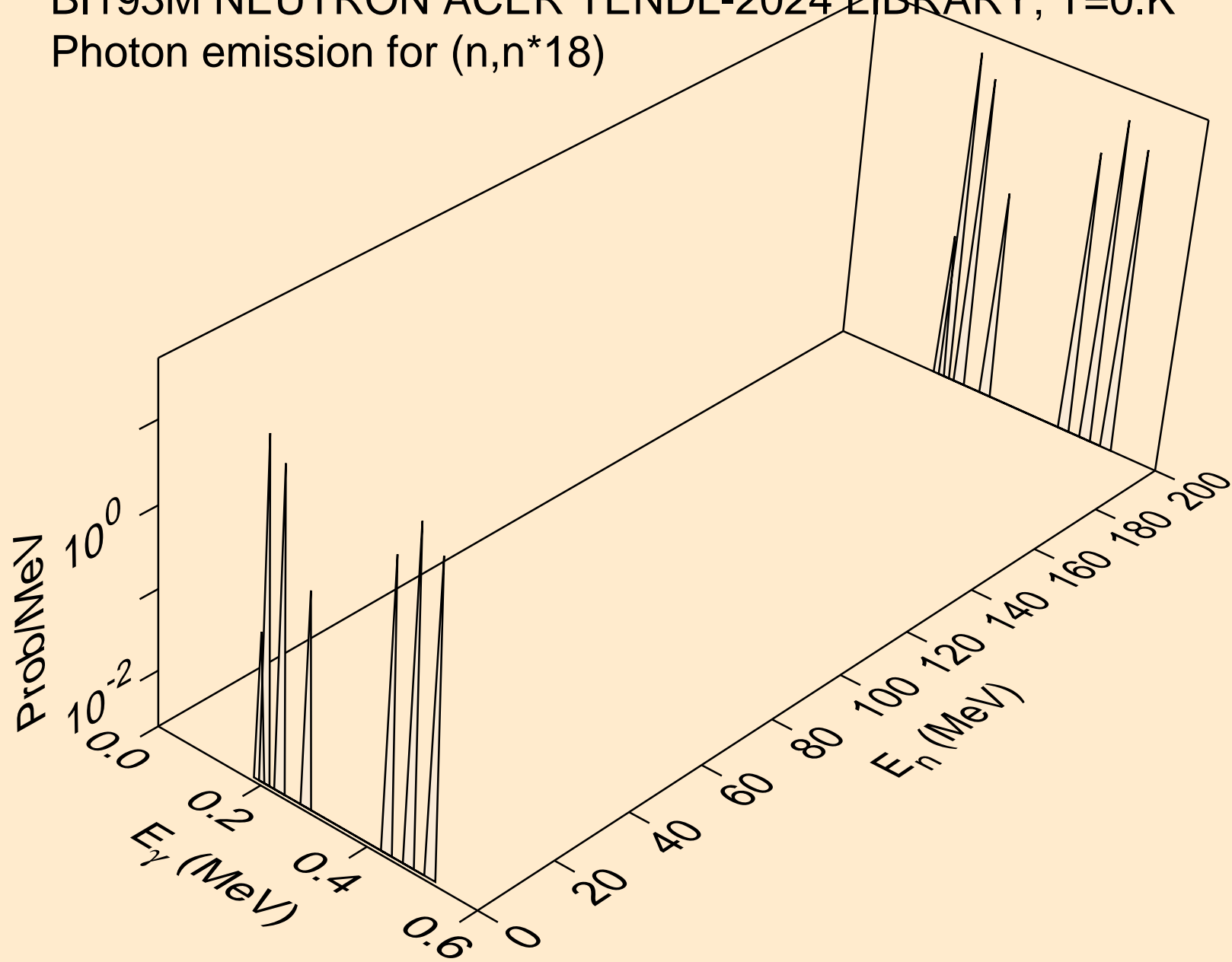
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*16)



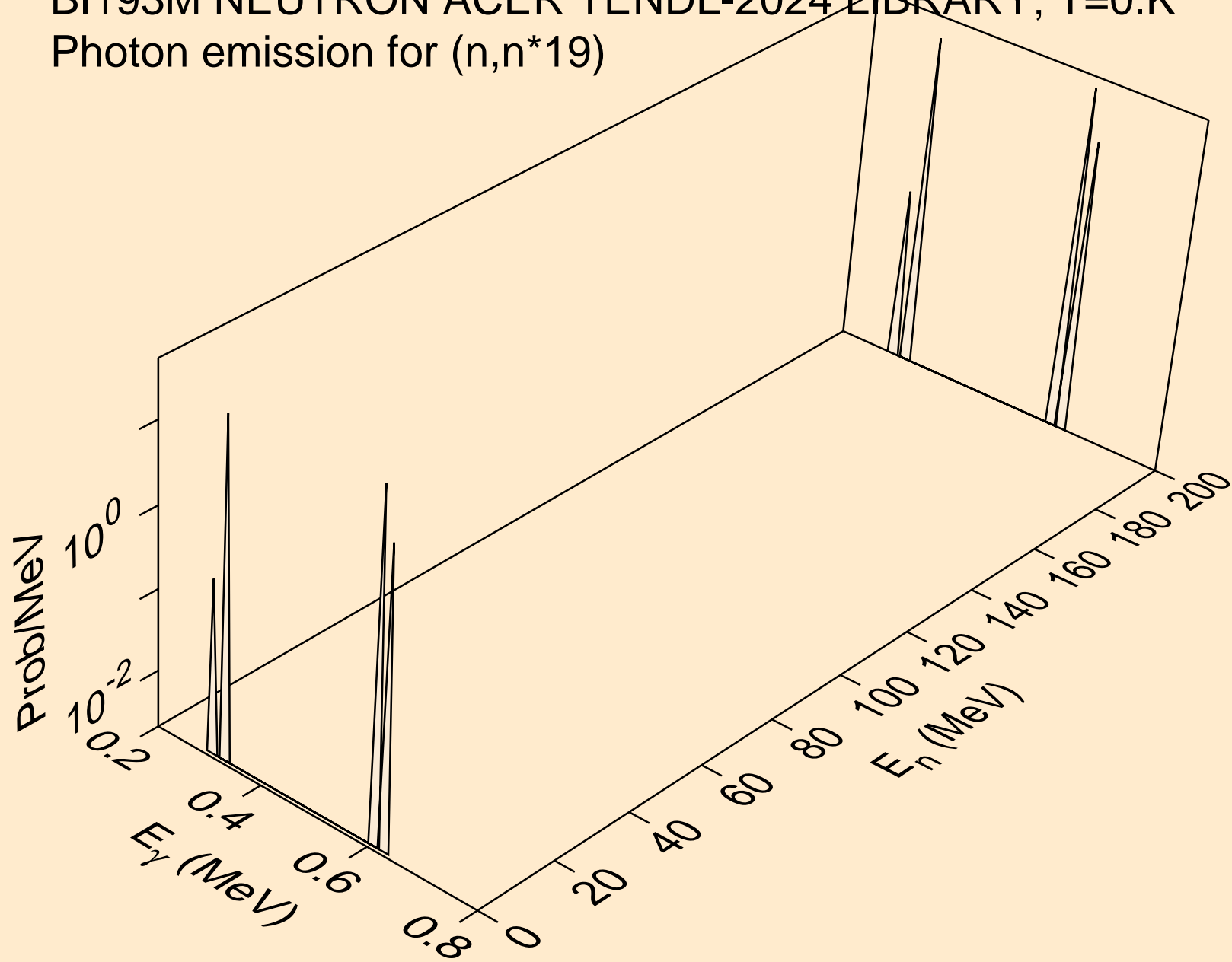
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*17)



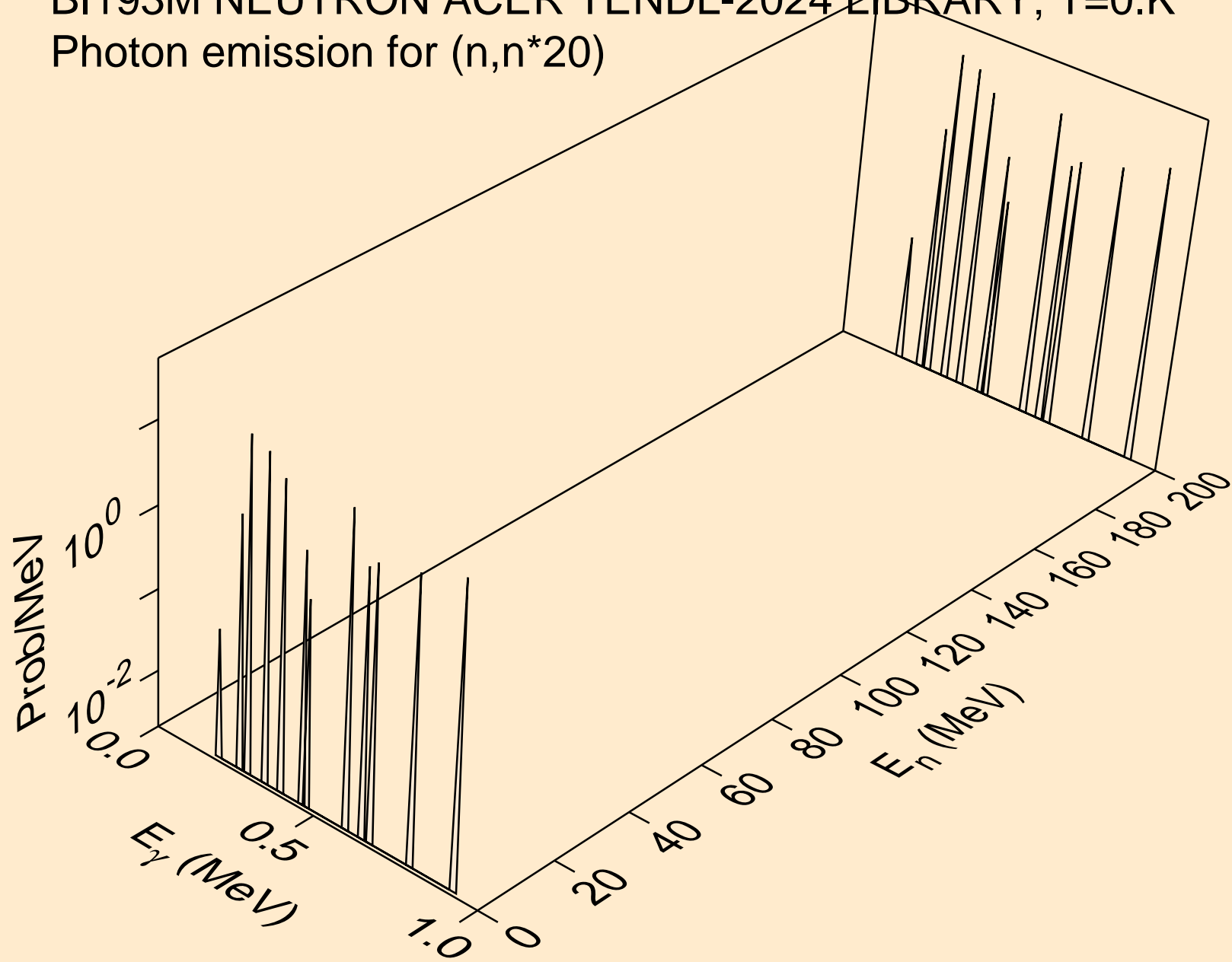
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*18)



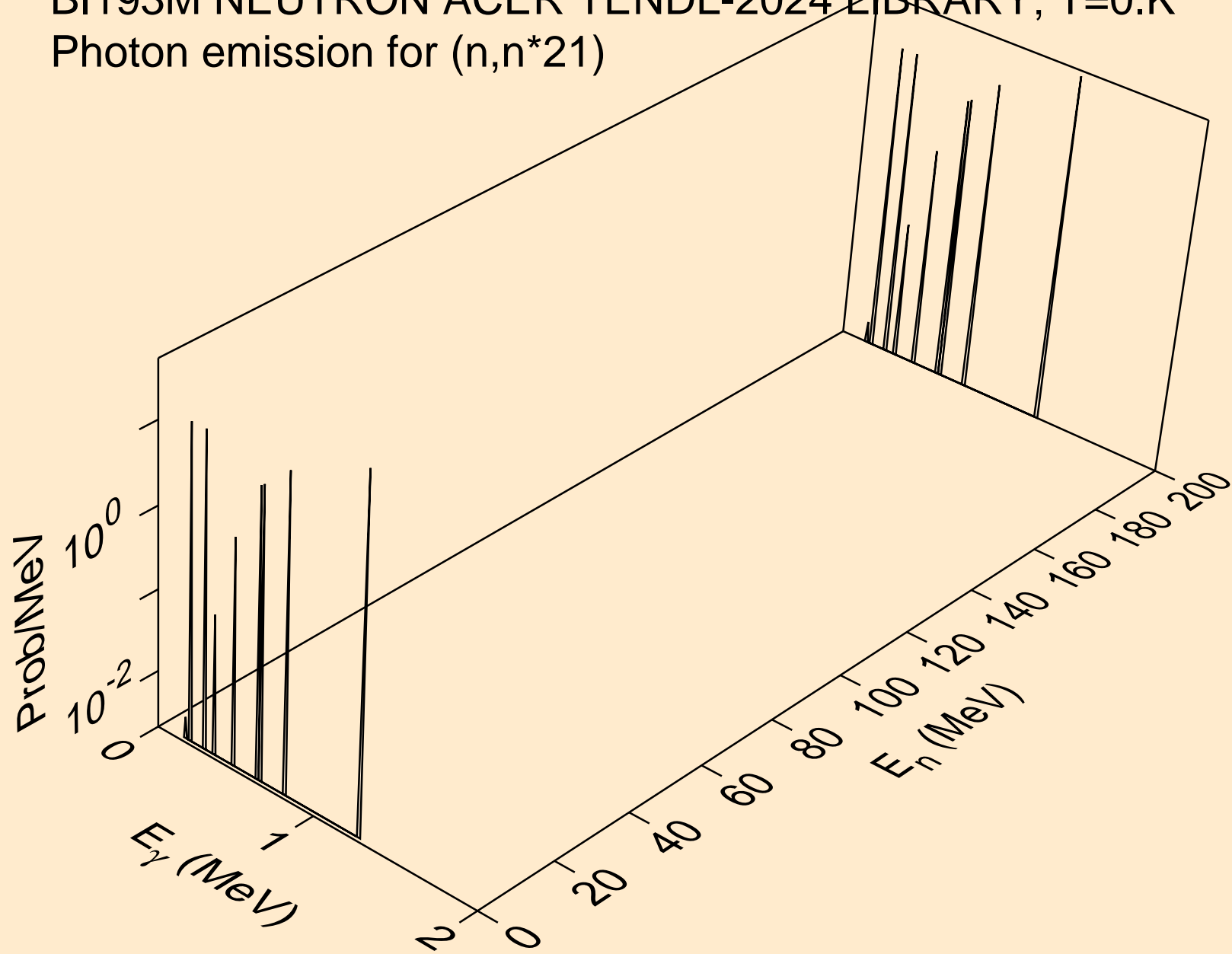
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*19)



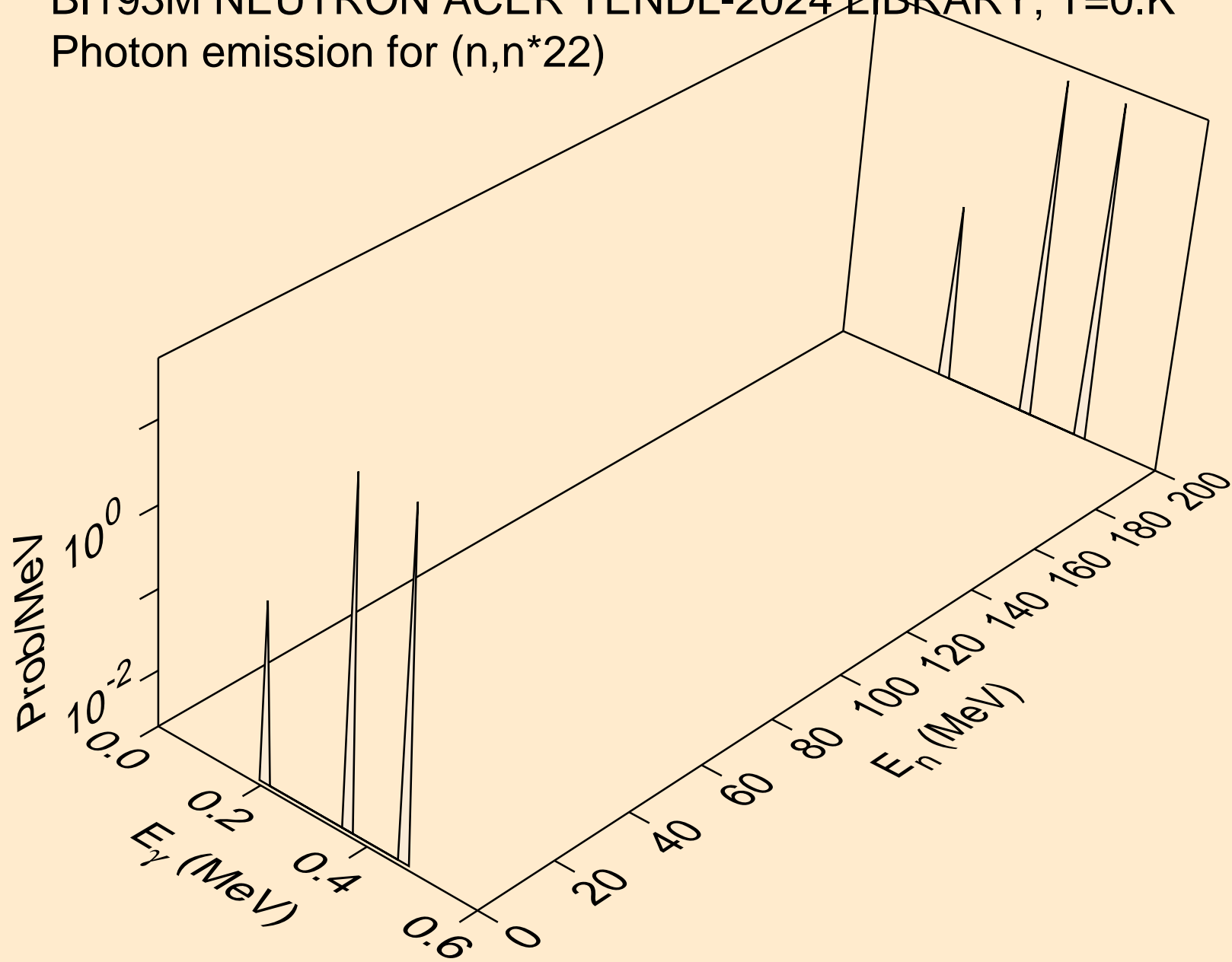
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*20)



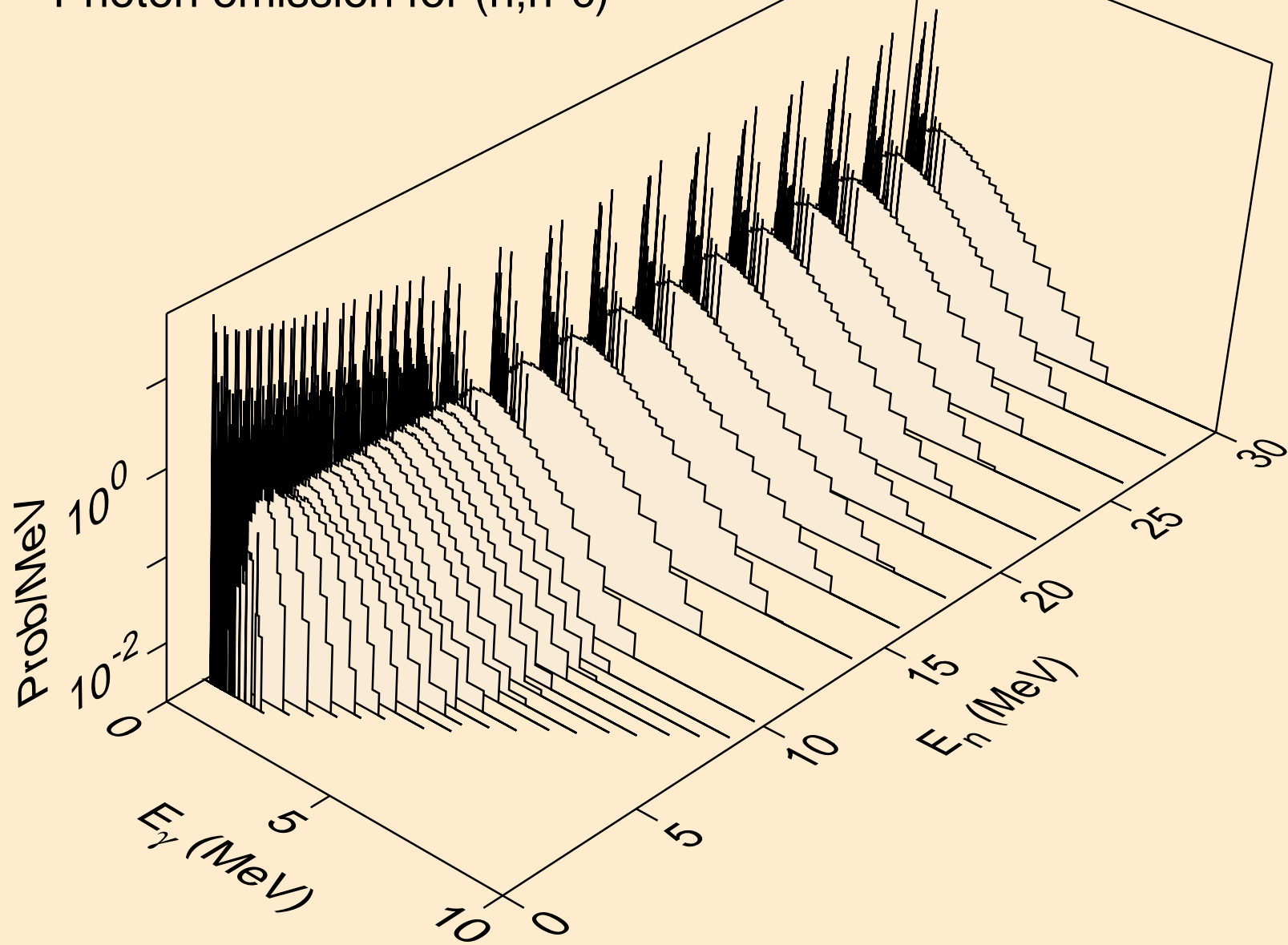
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*21)



BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*22)

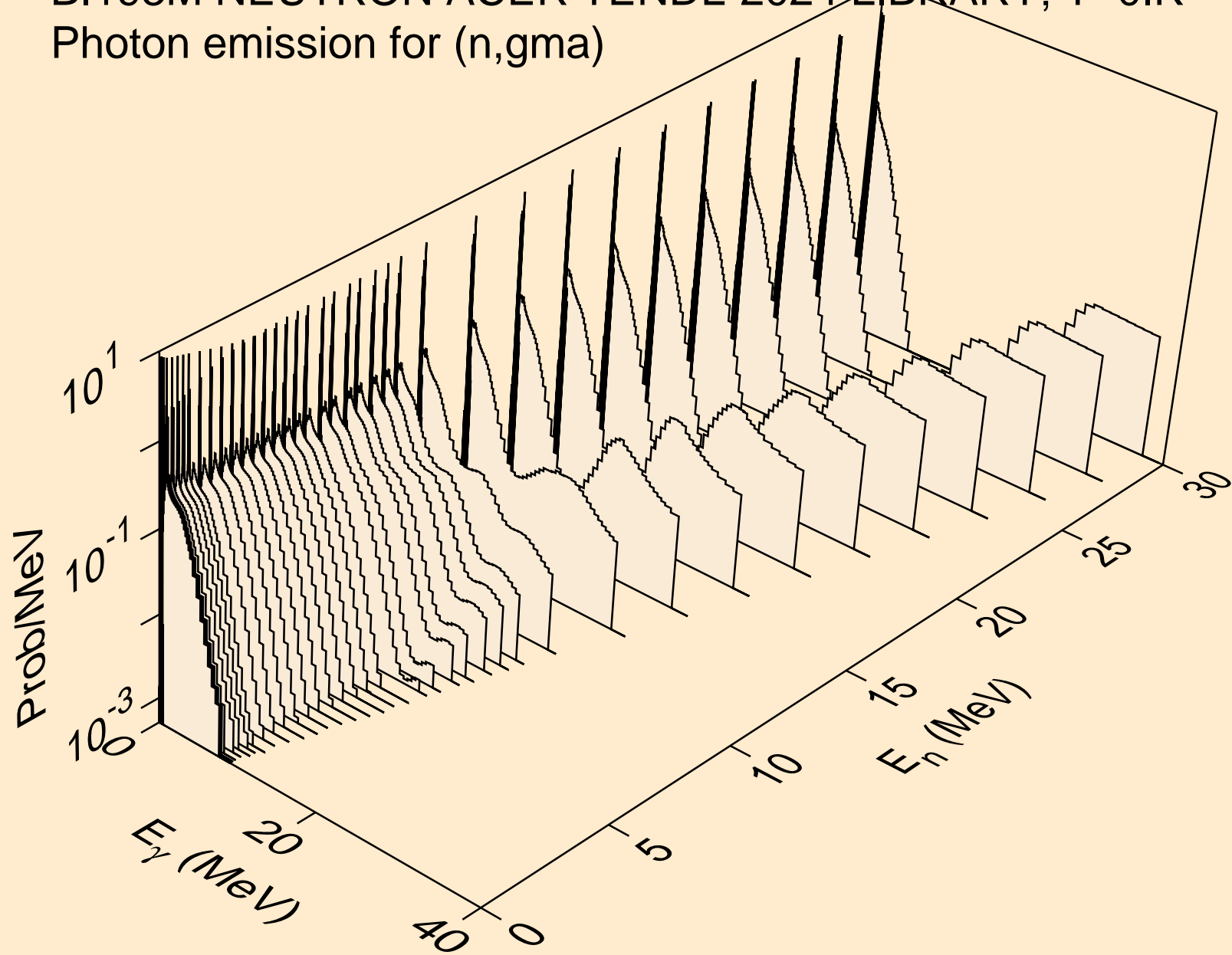


BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)

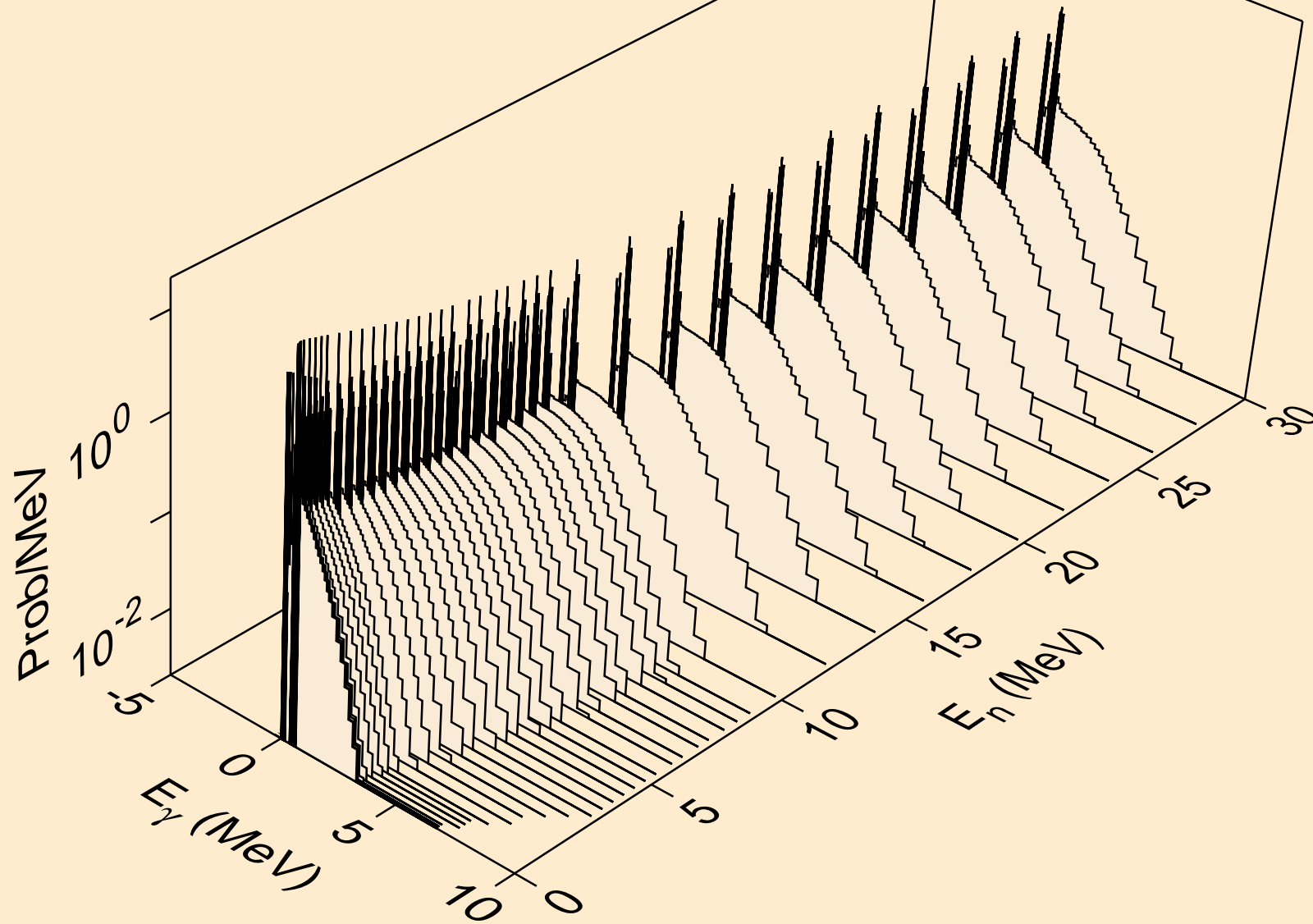




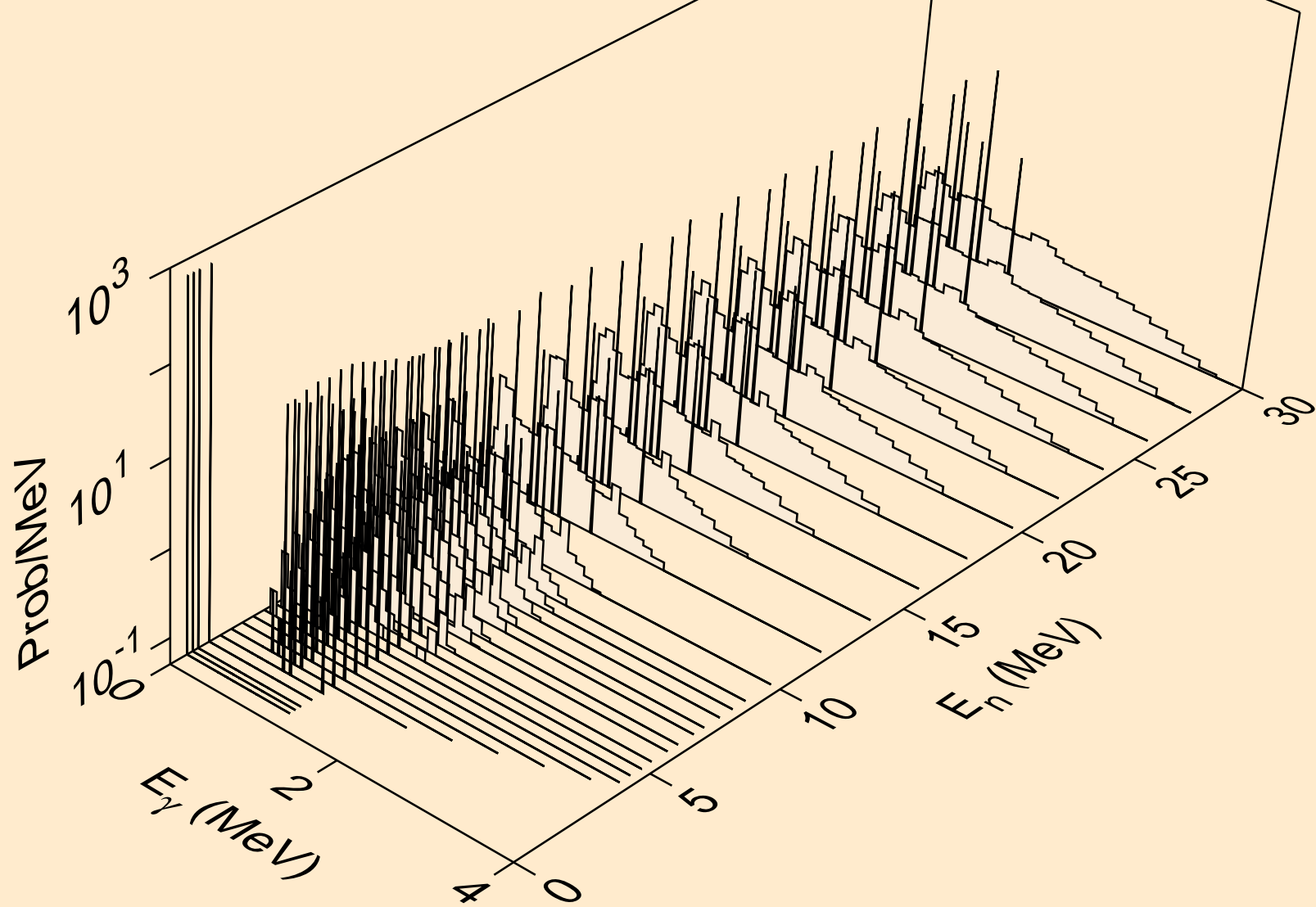
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



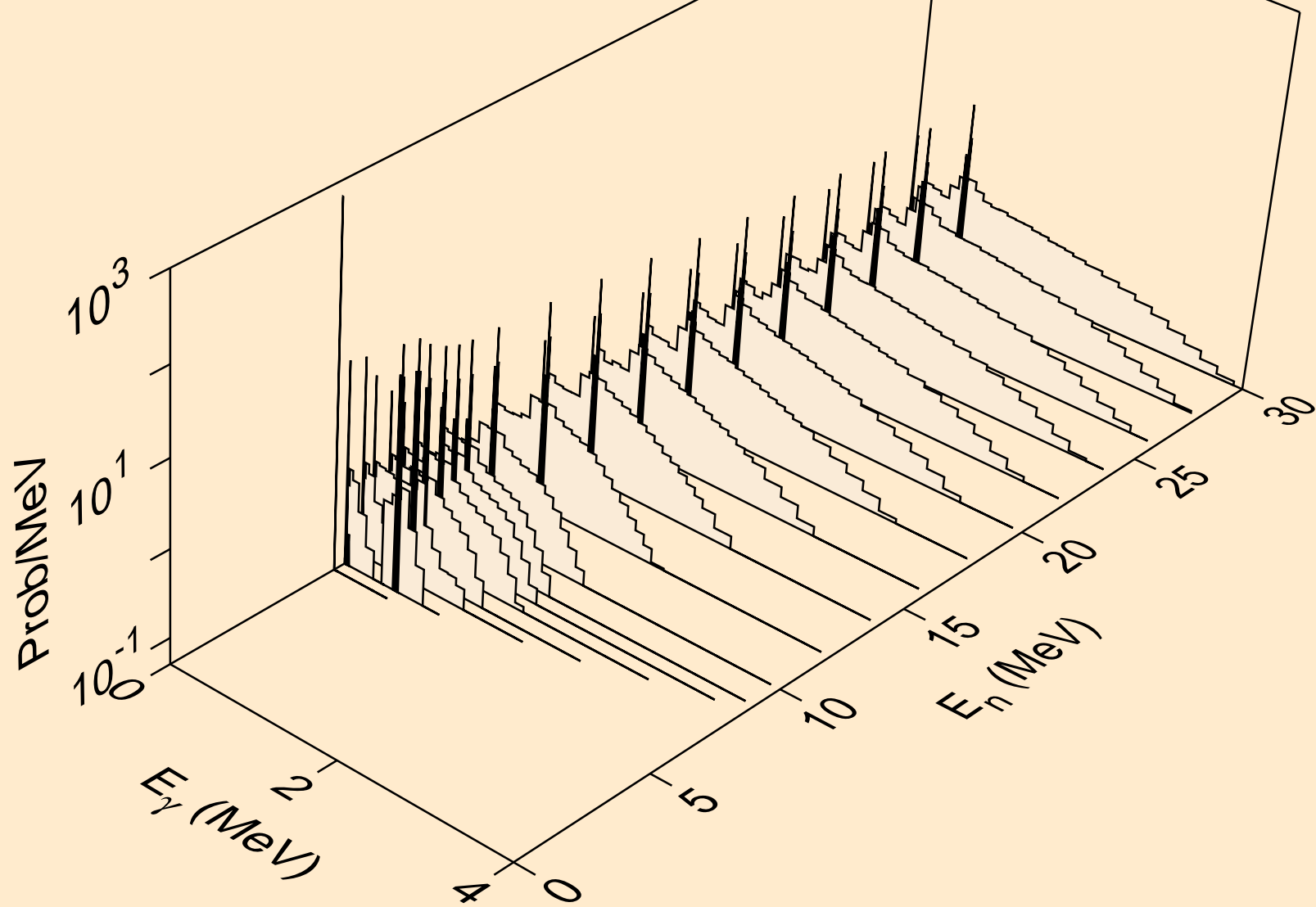
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



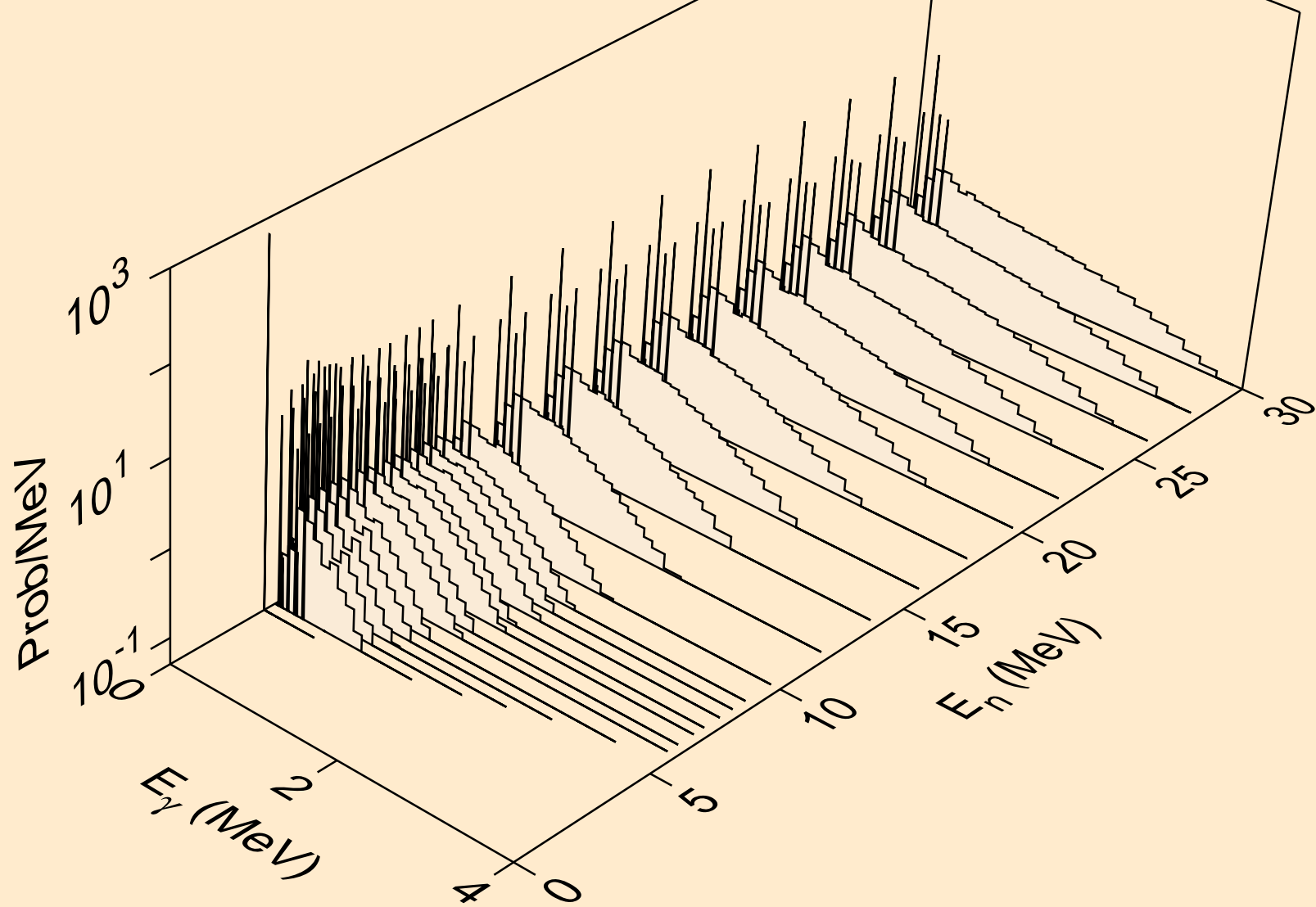
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



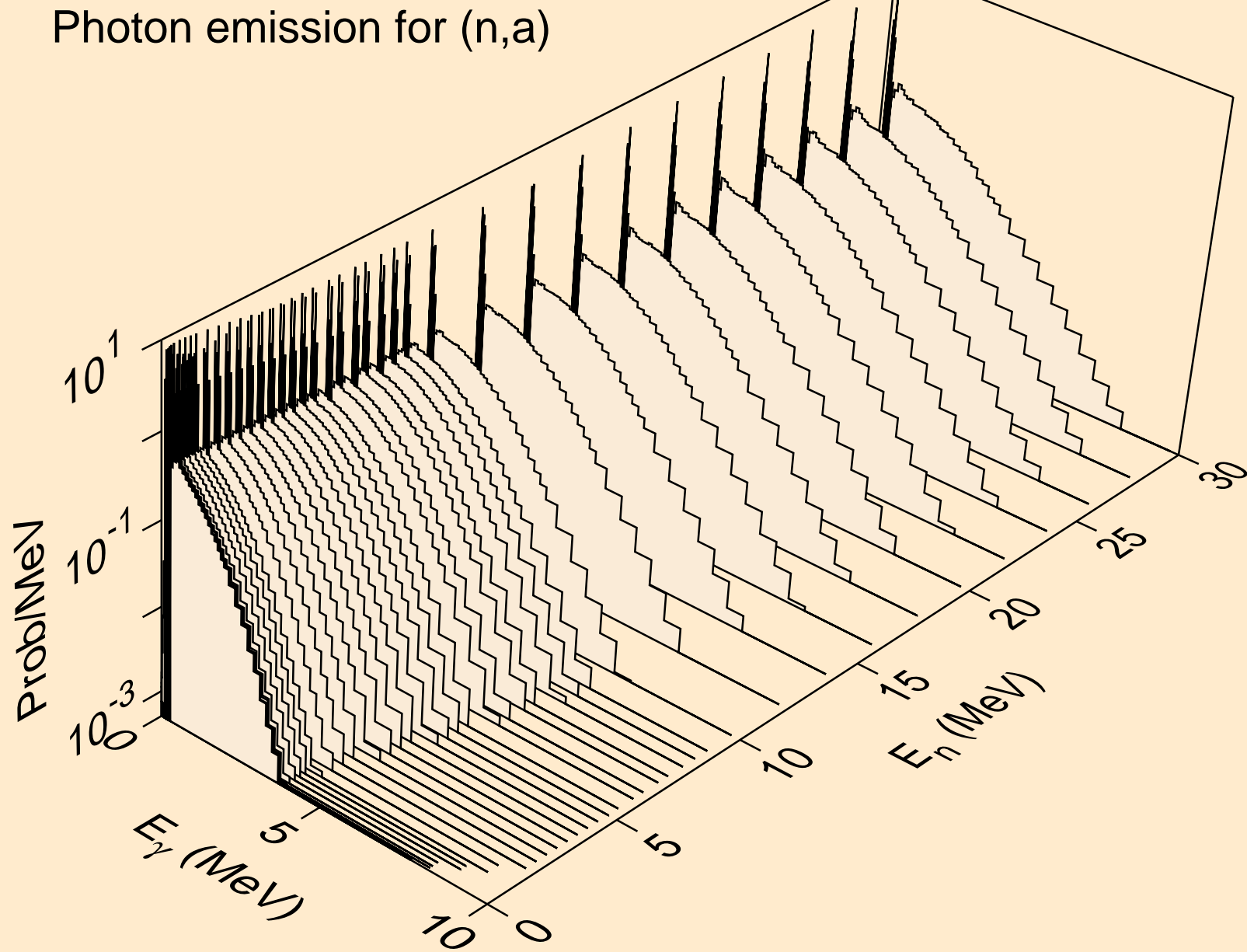
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



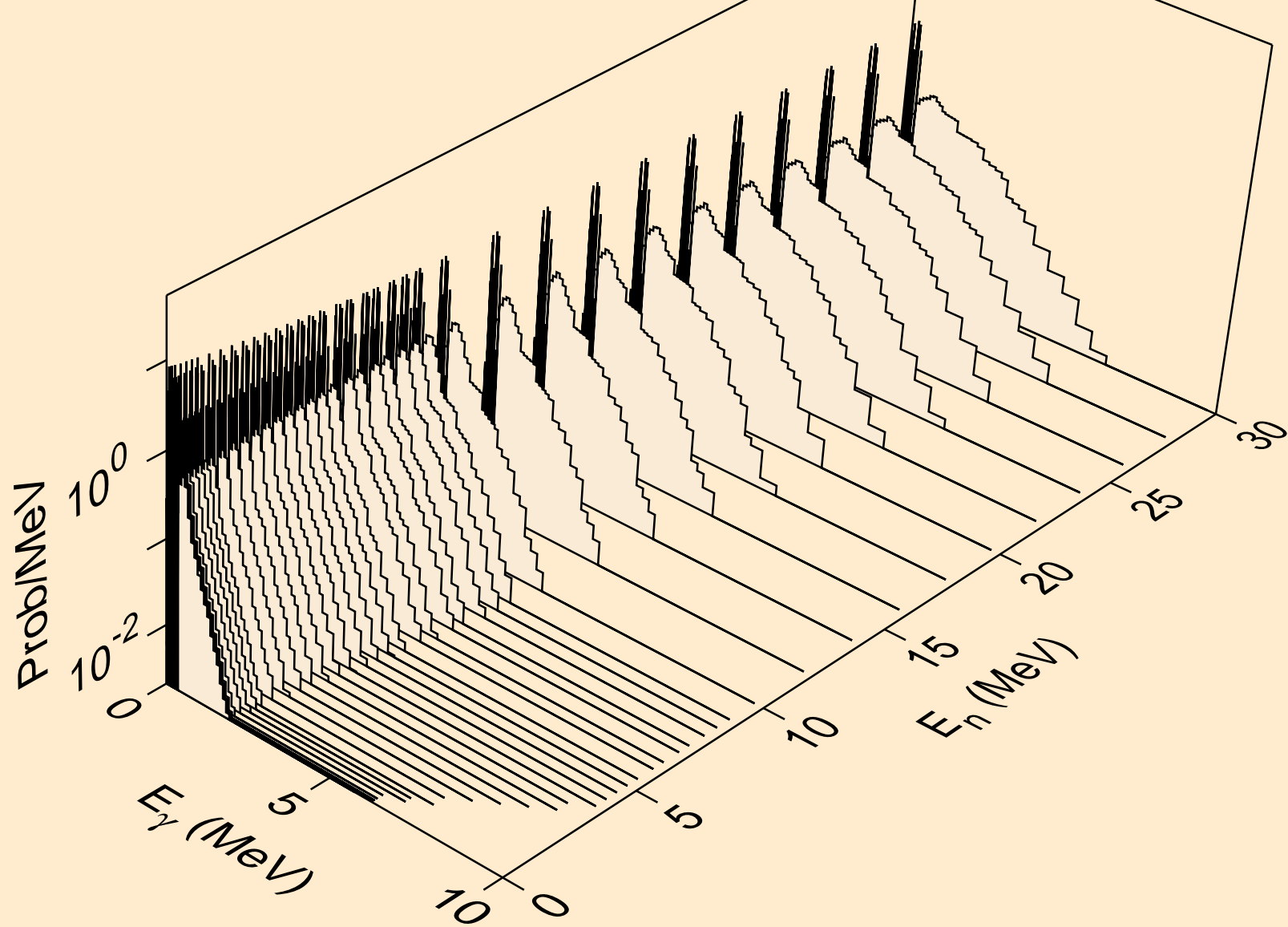
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



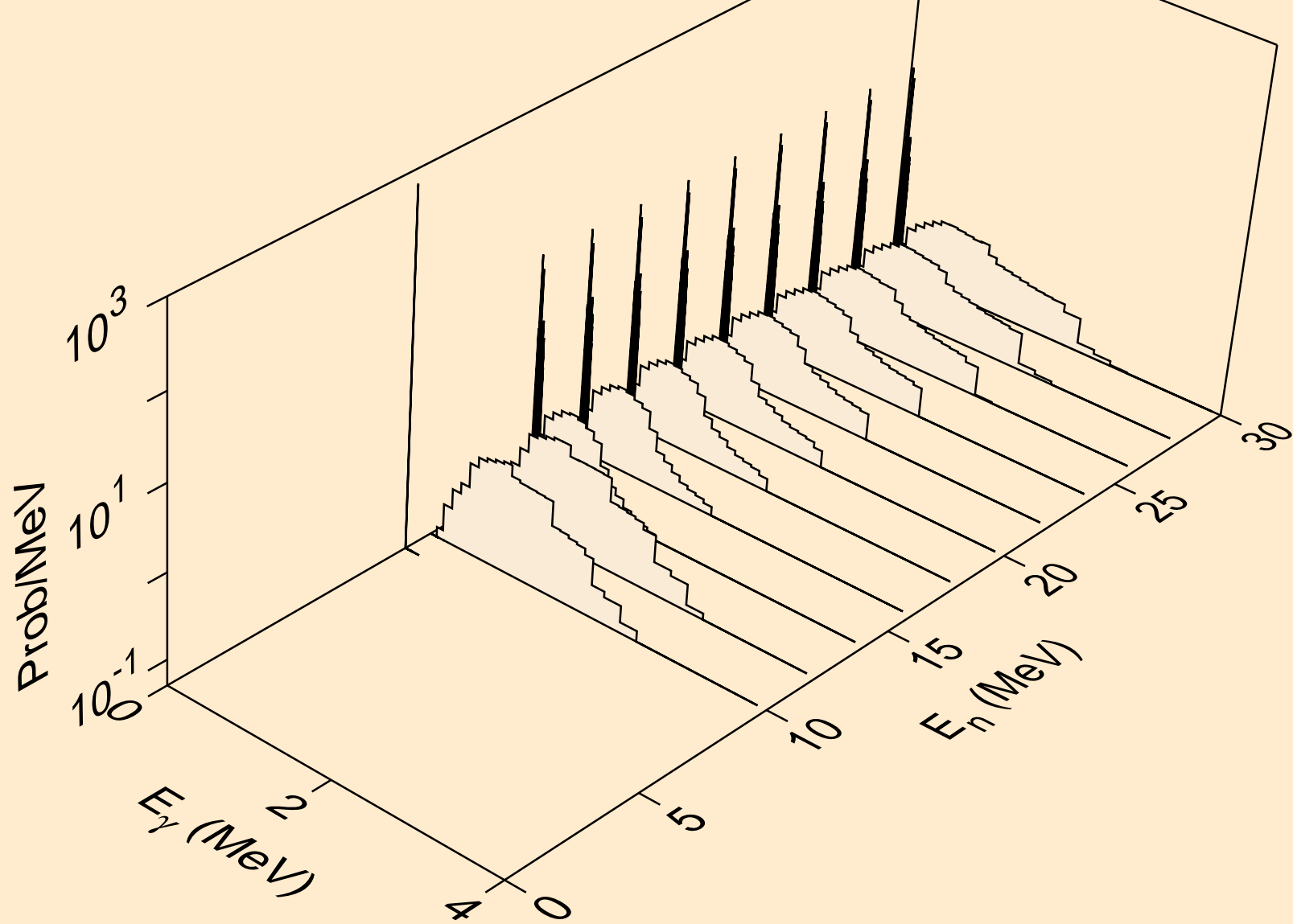
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)

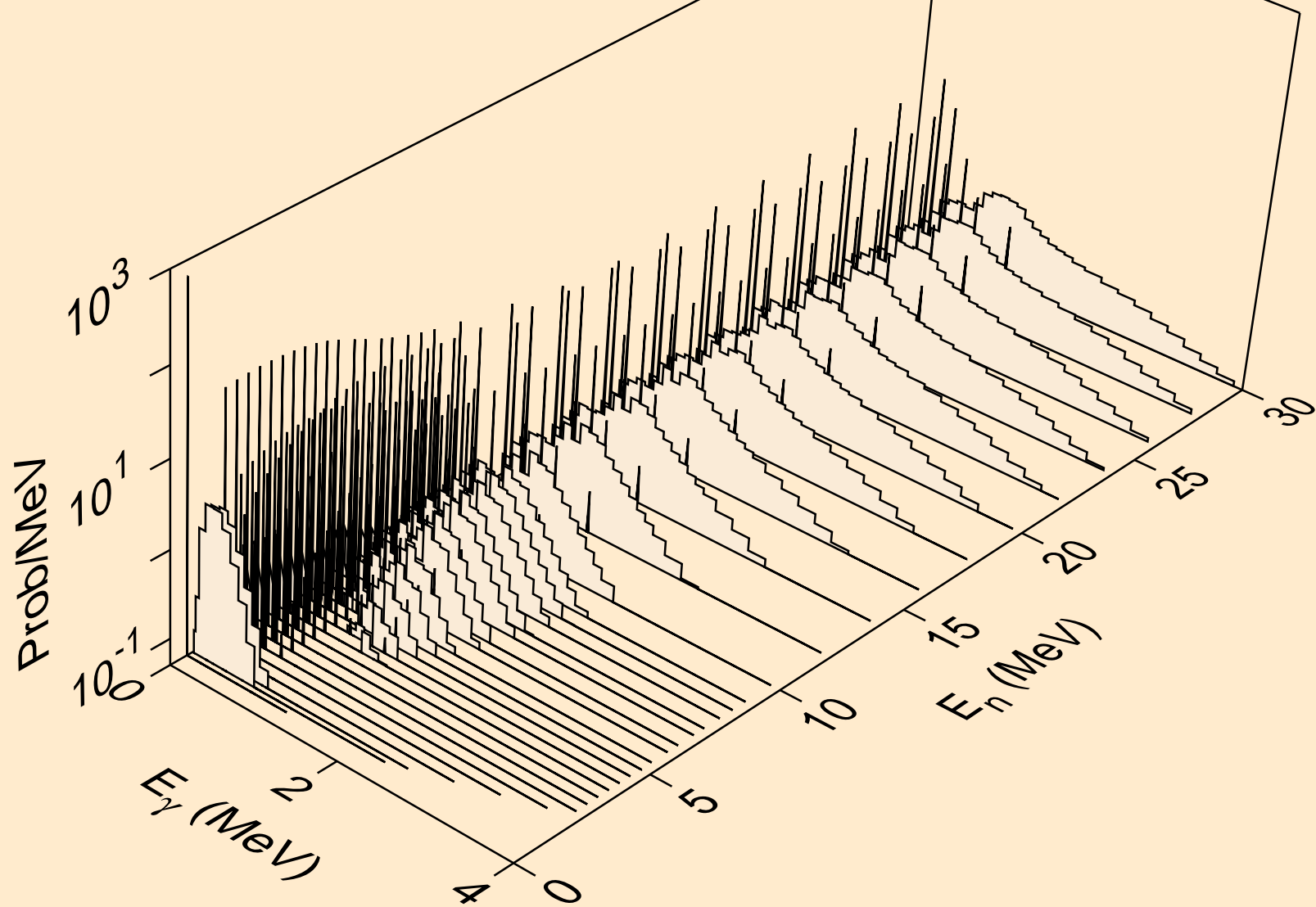


BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3a)

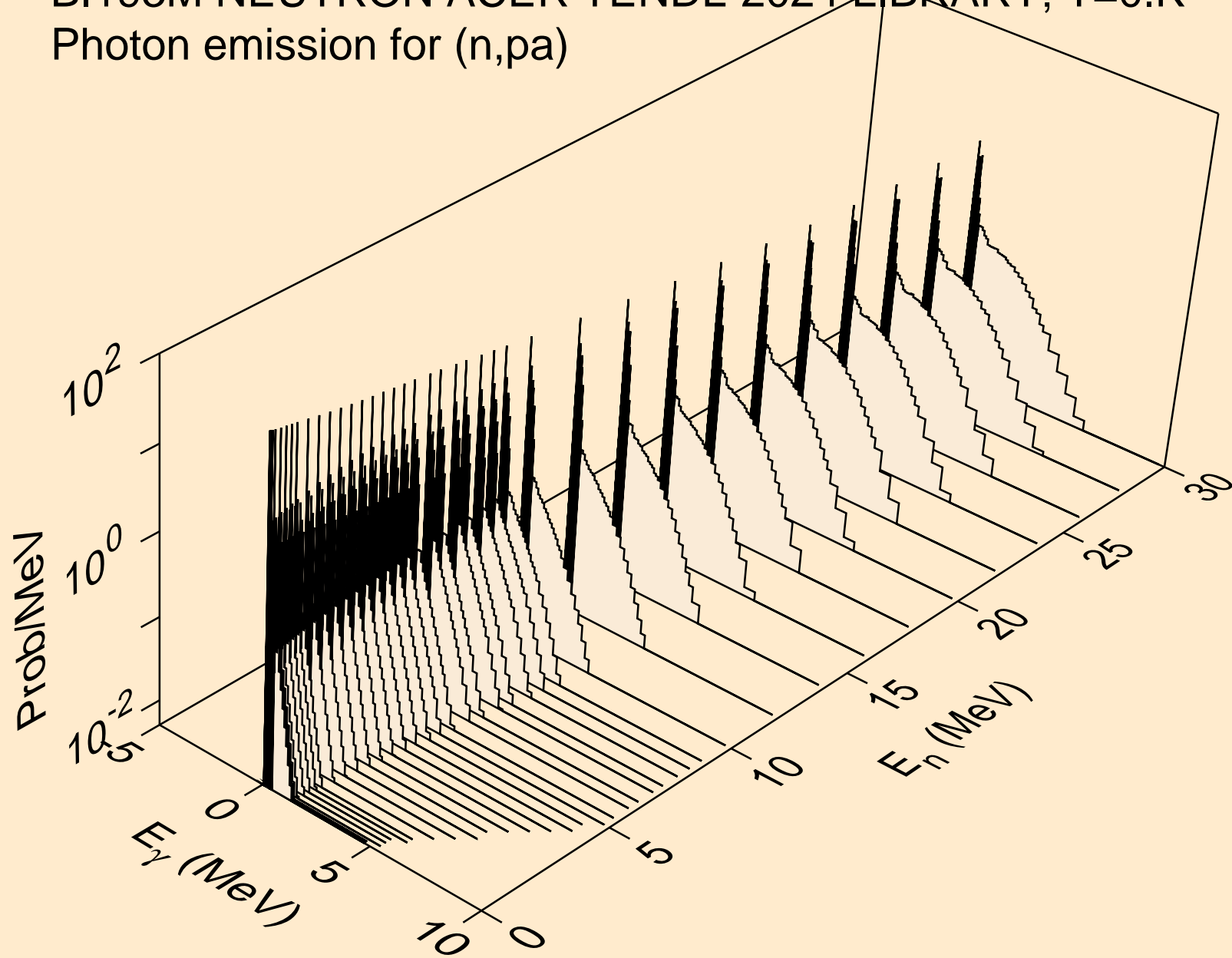




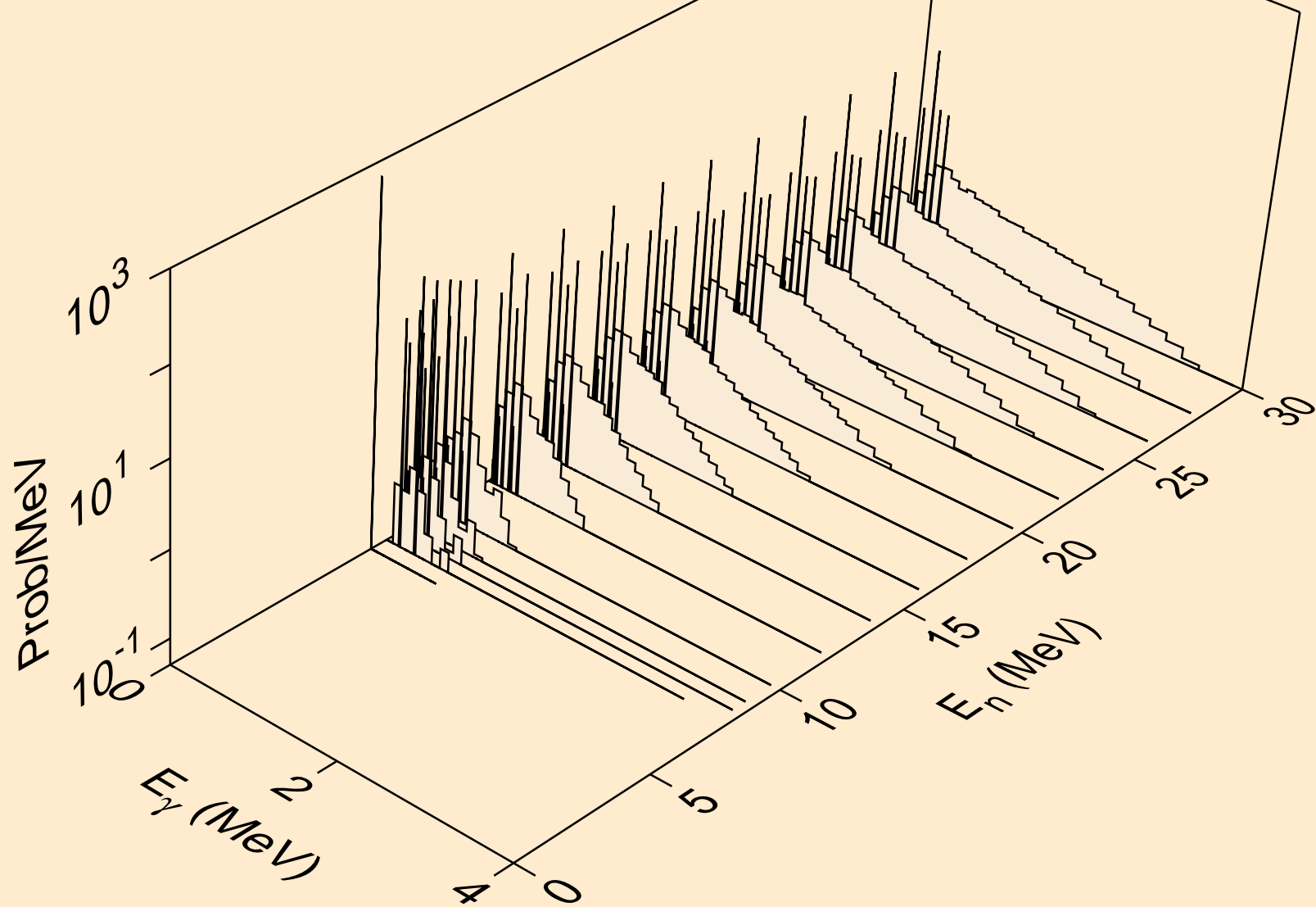
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



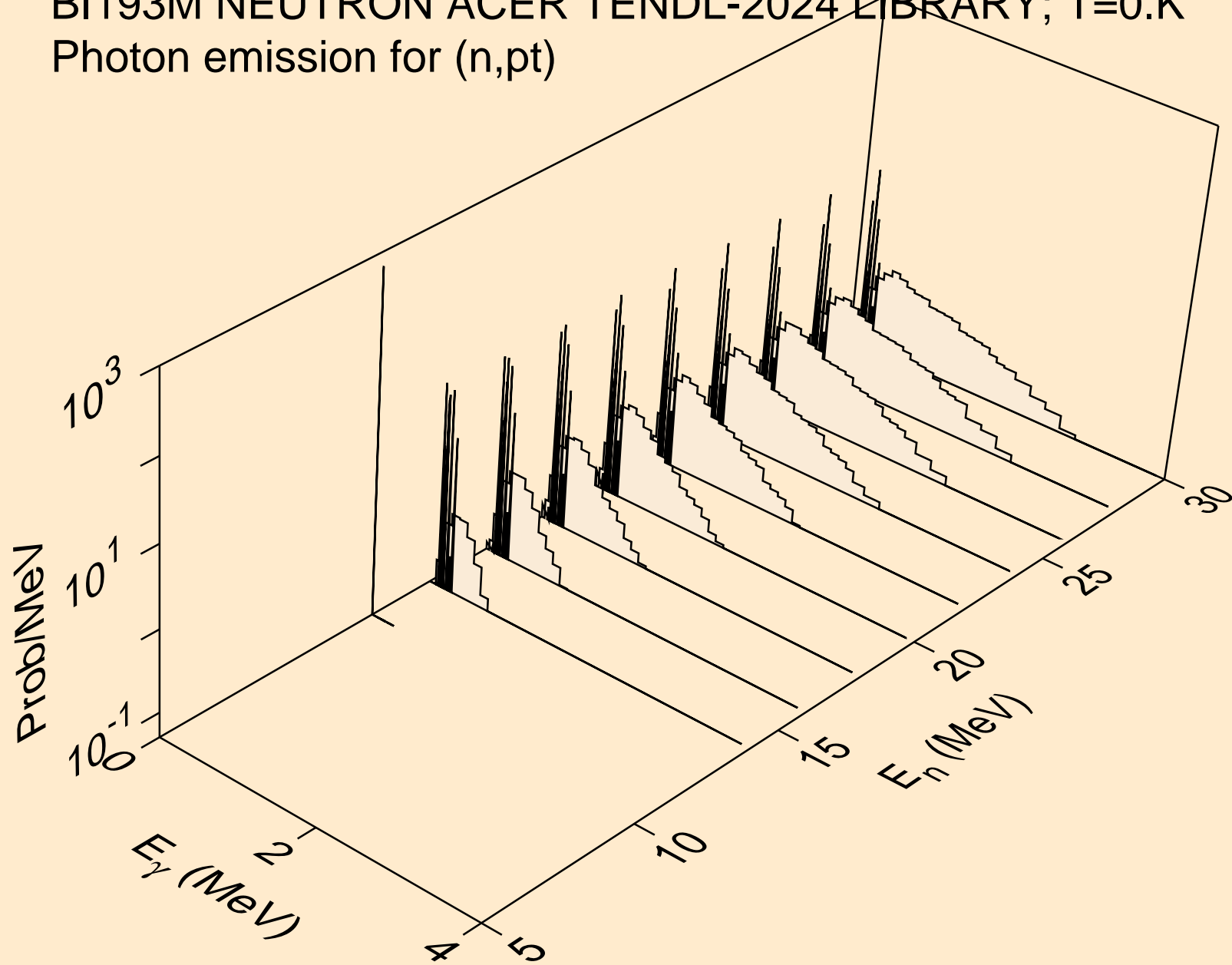
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



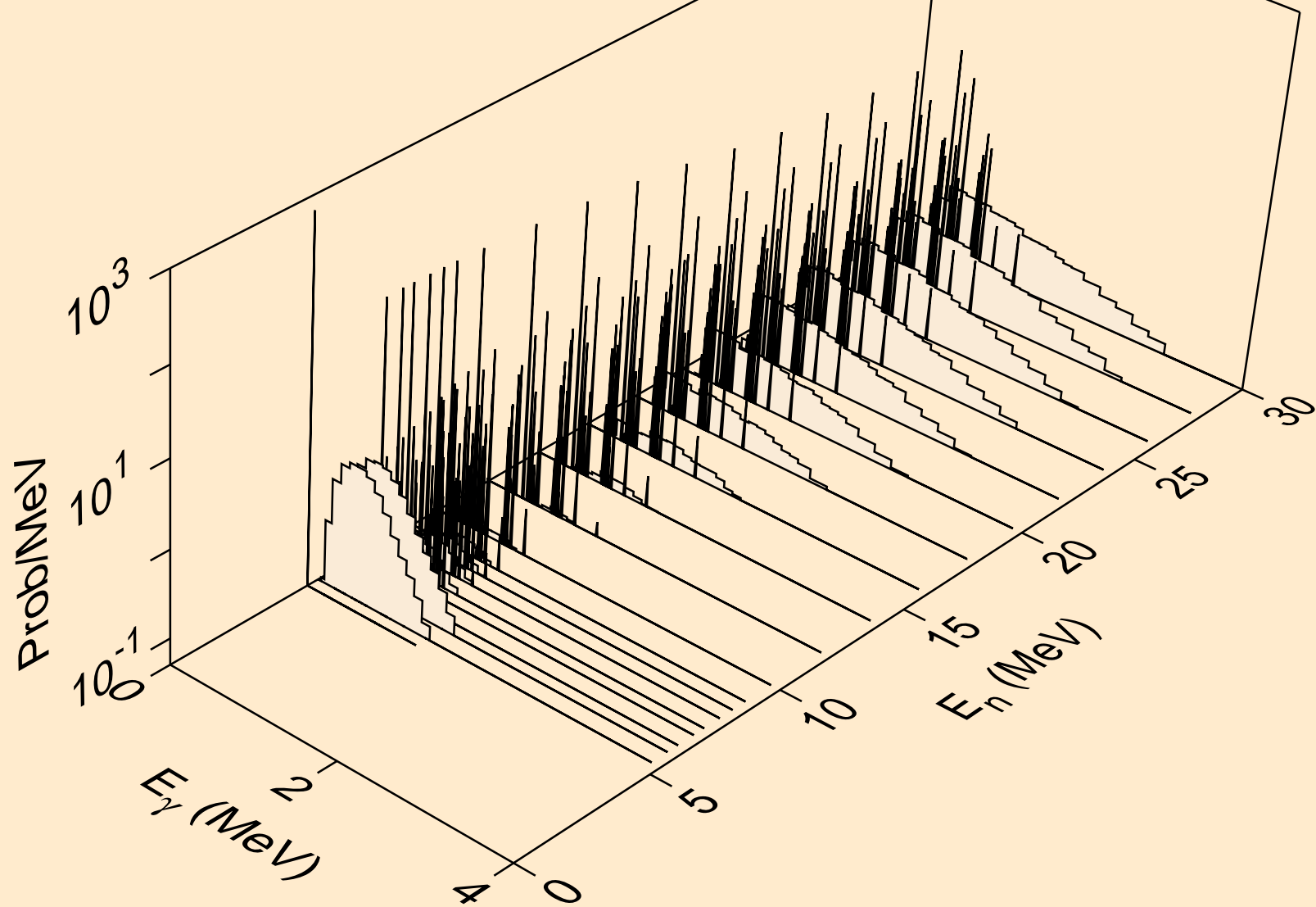
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



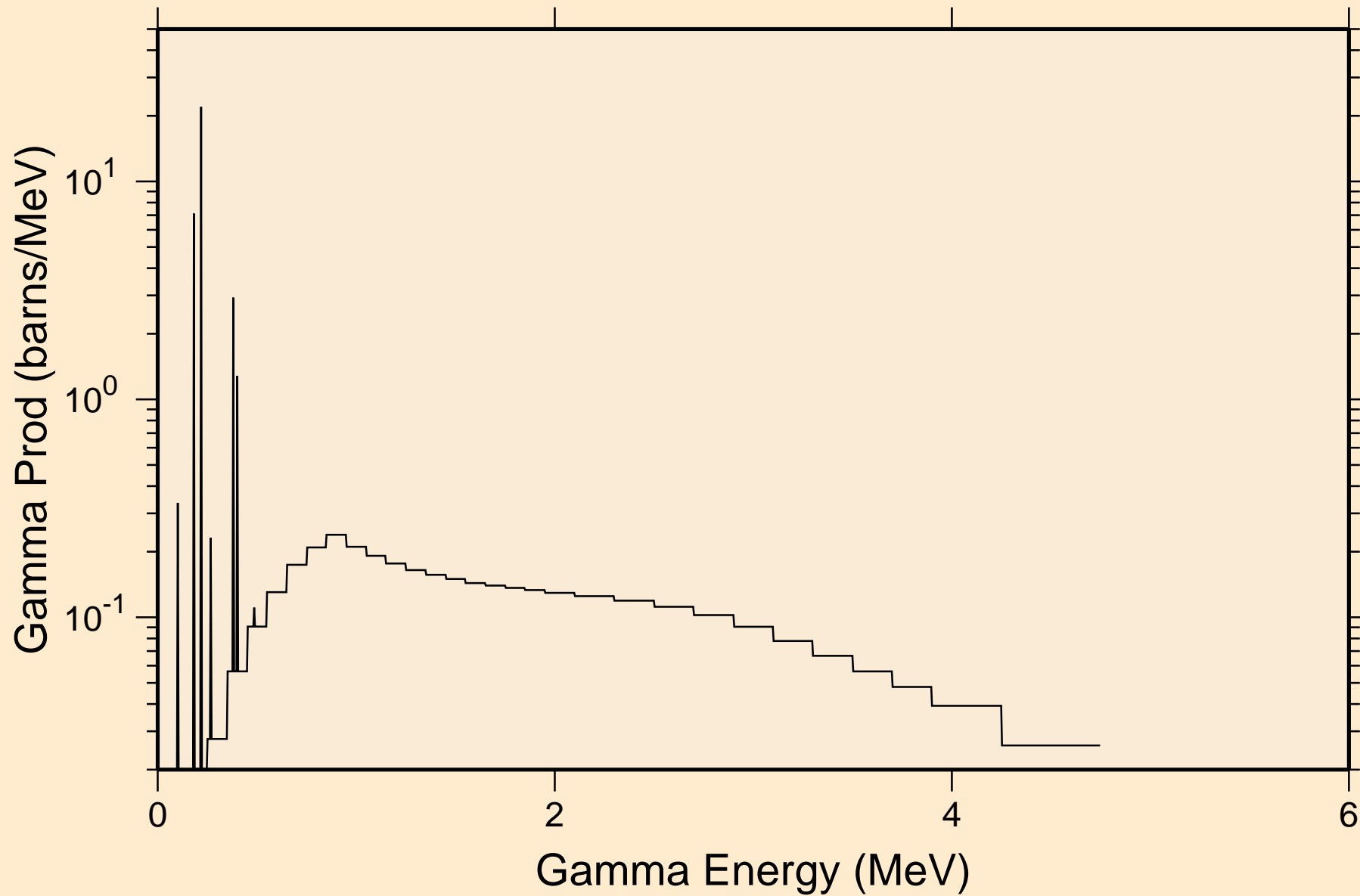
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)



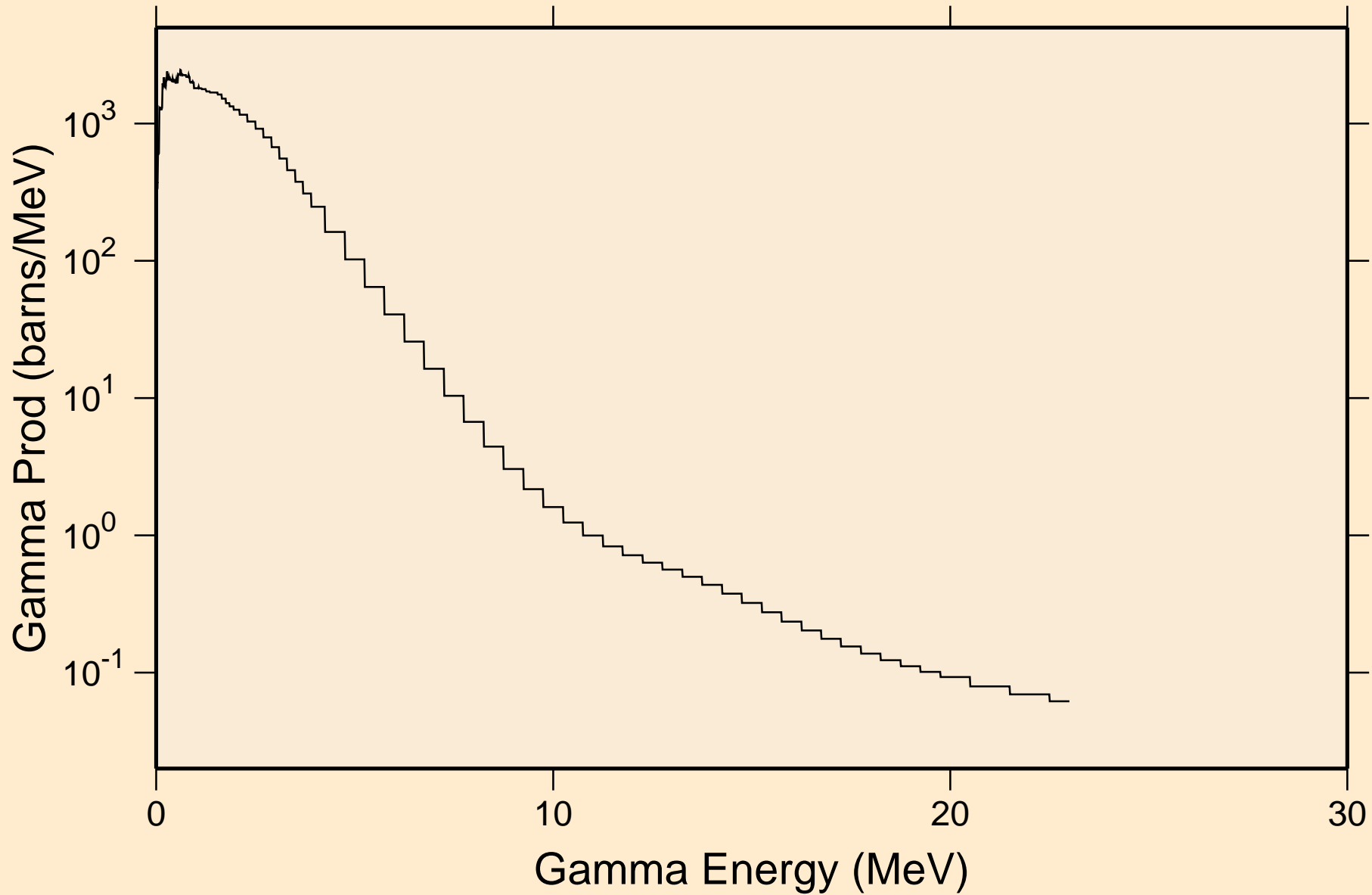
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

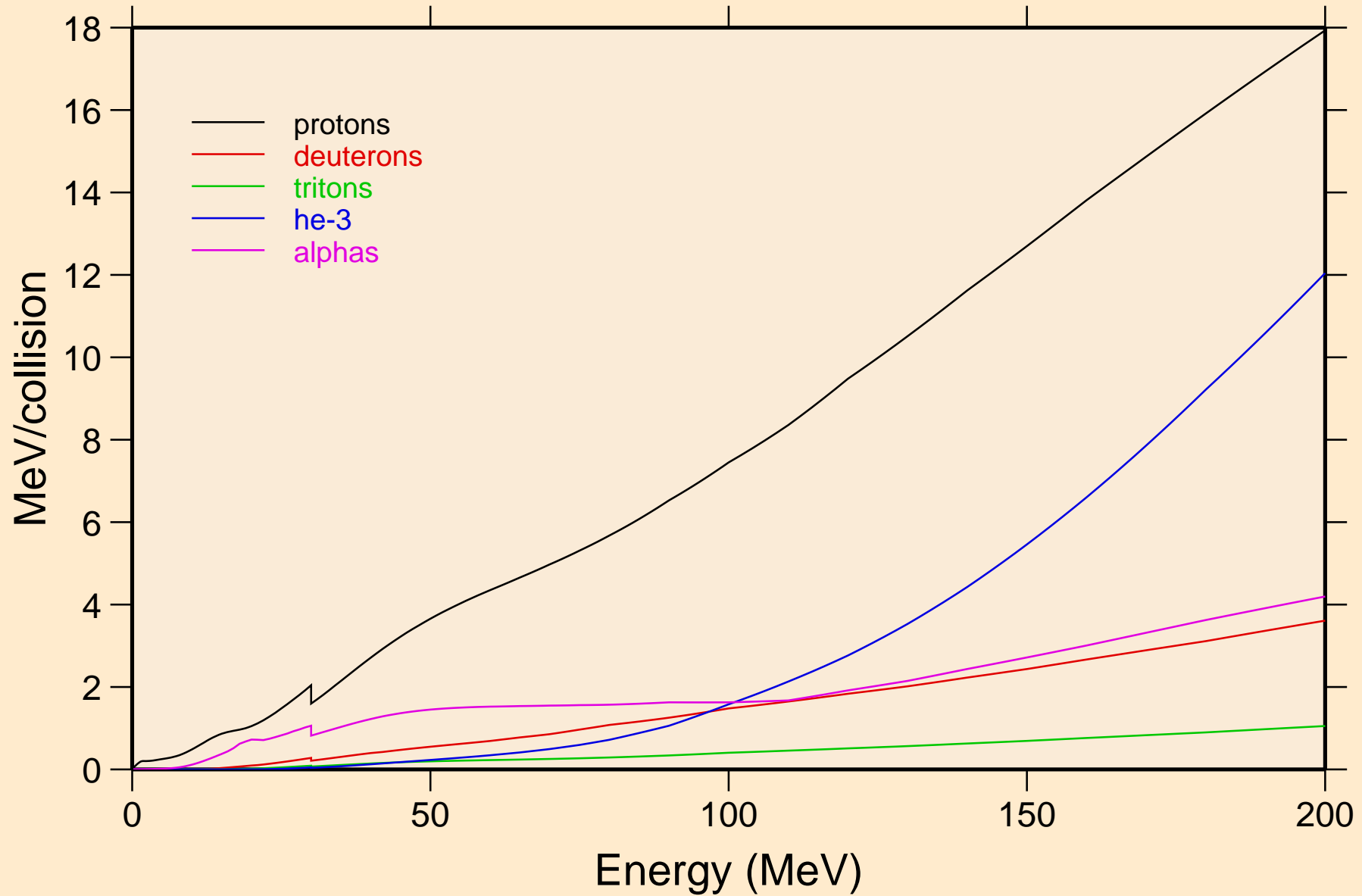


BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum



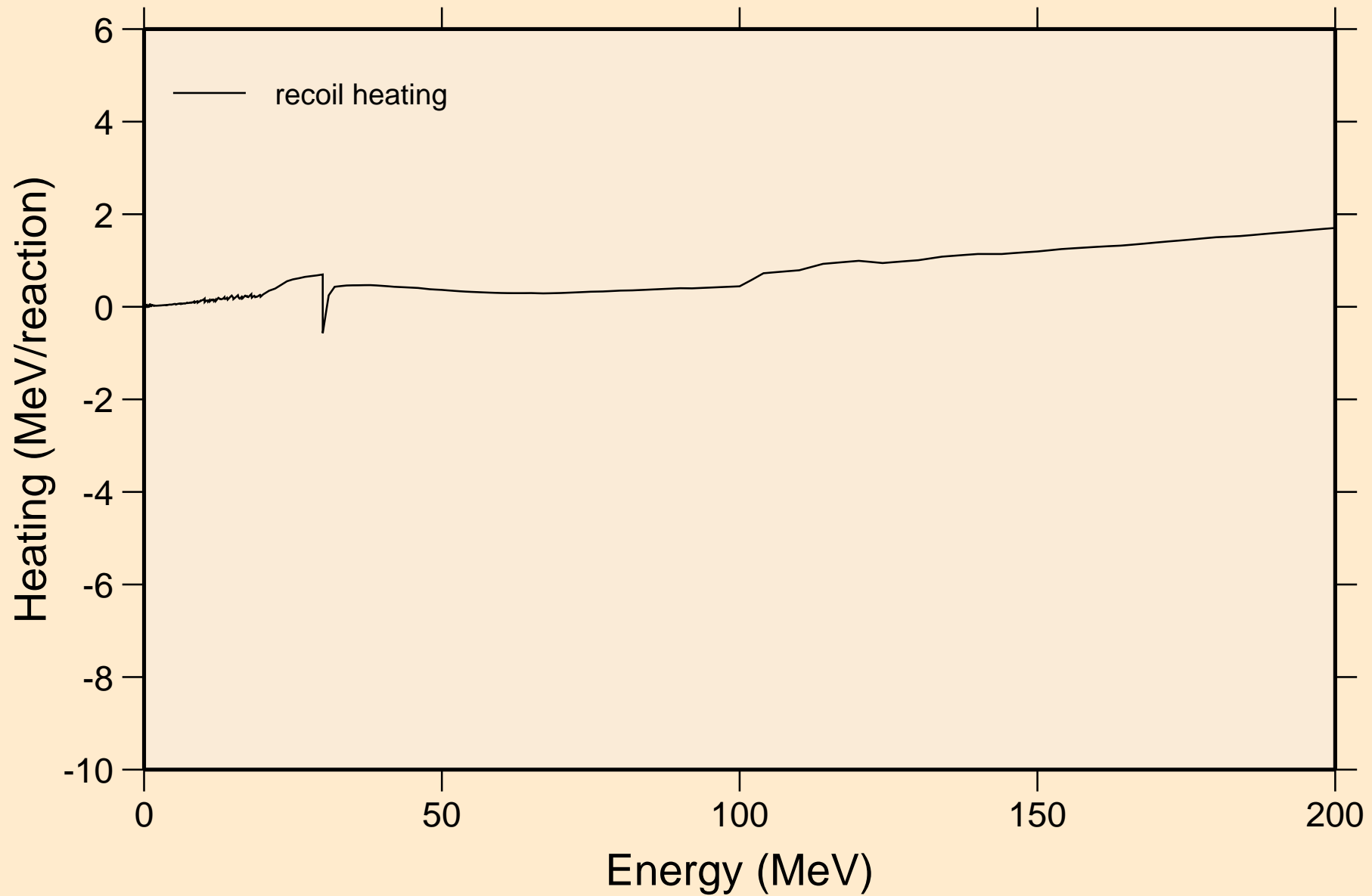
# BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions



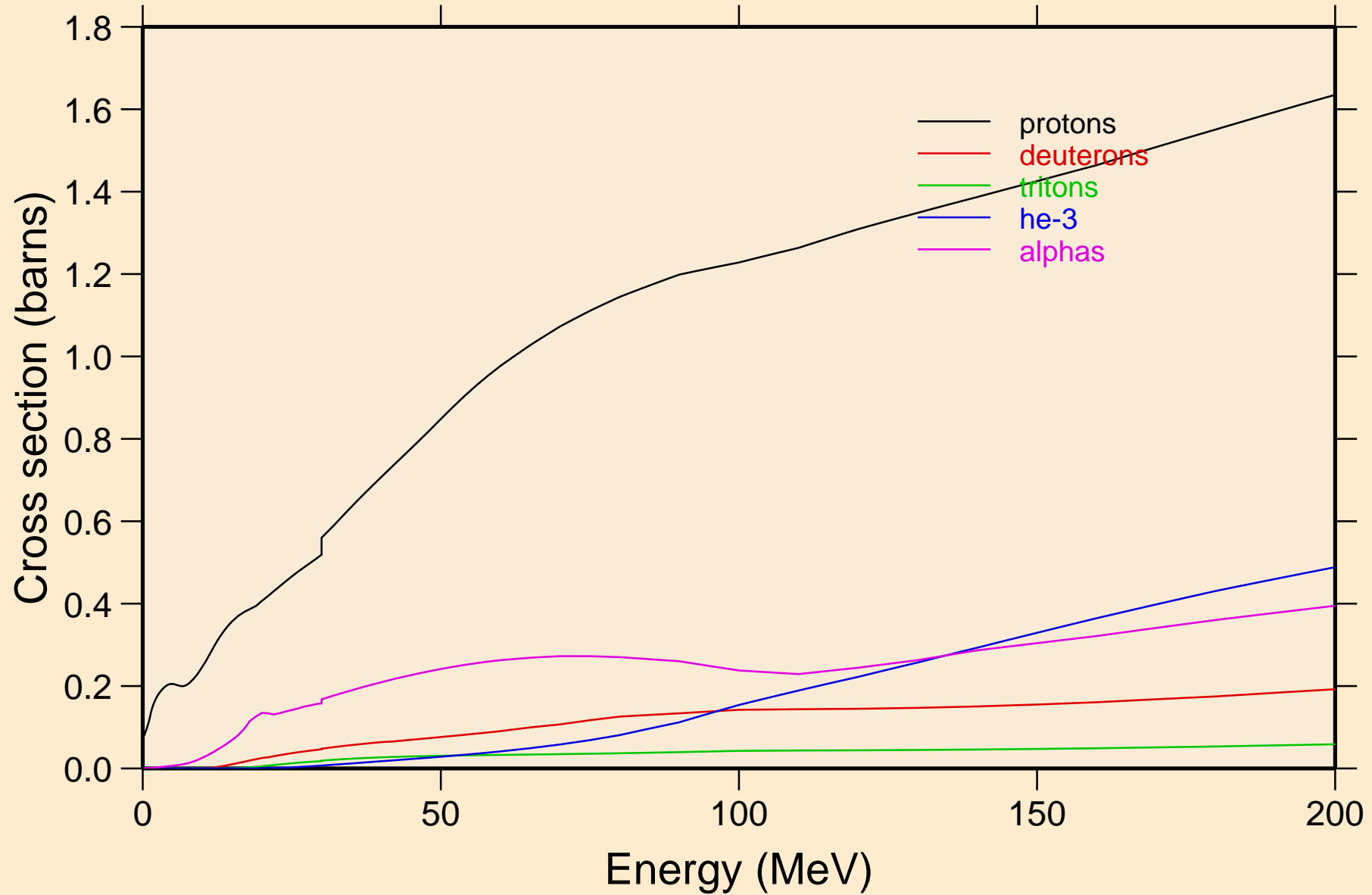


BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating

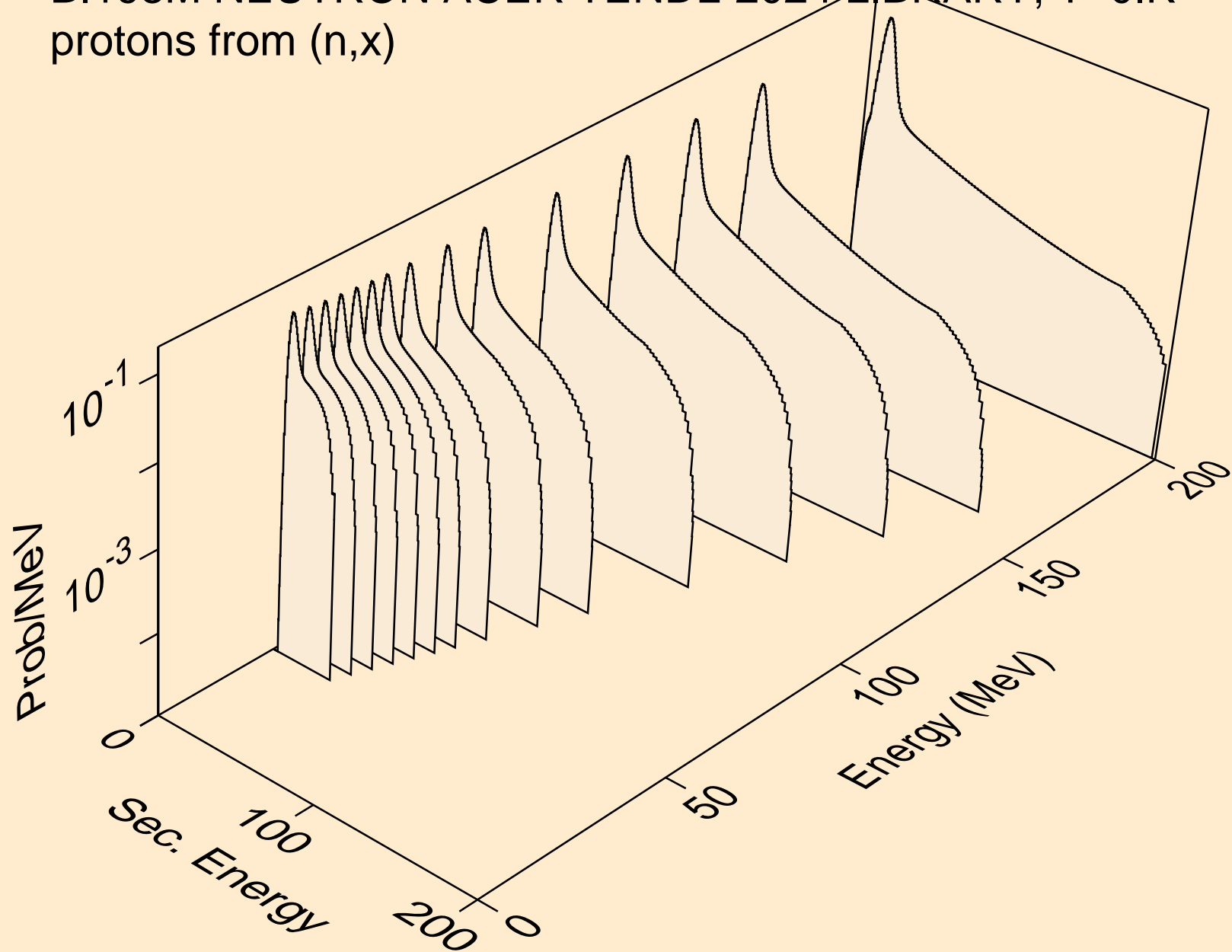


# BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

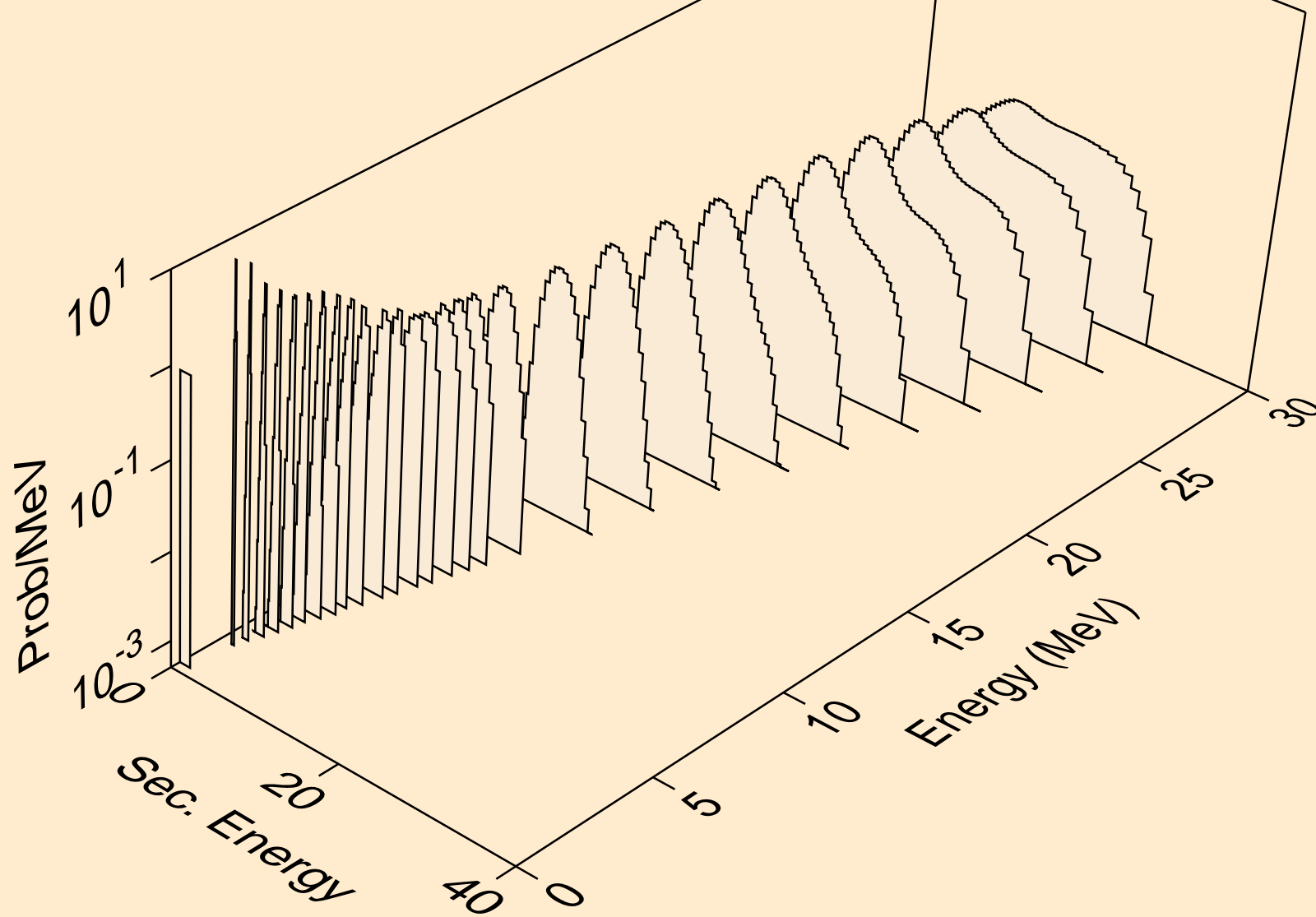
## Particle production cross sections



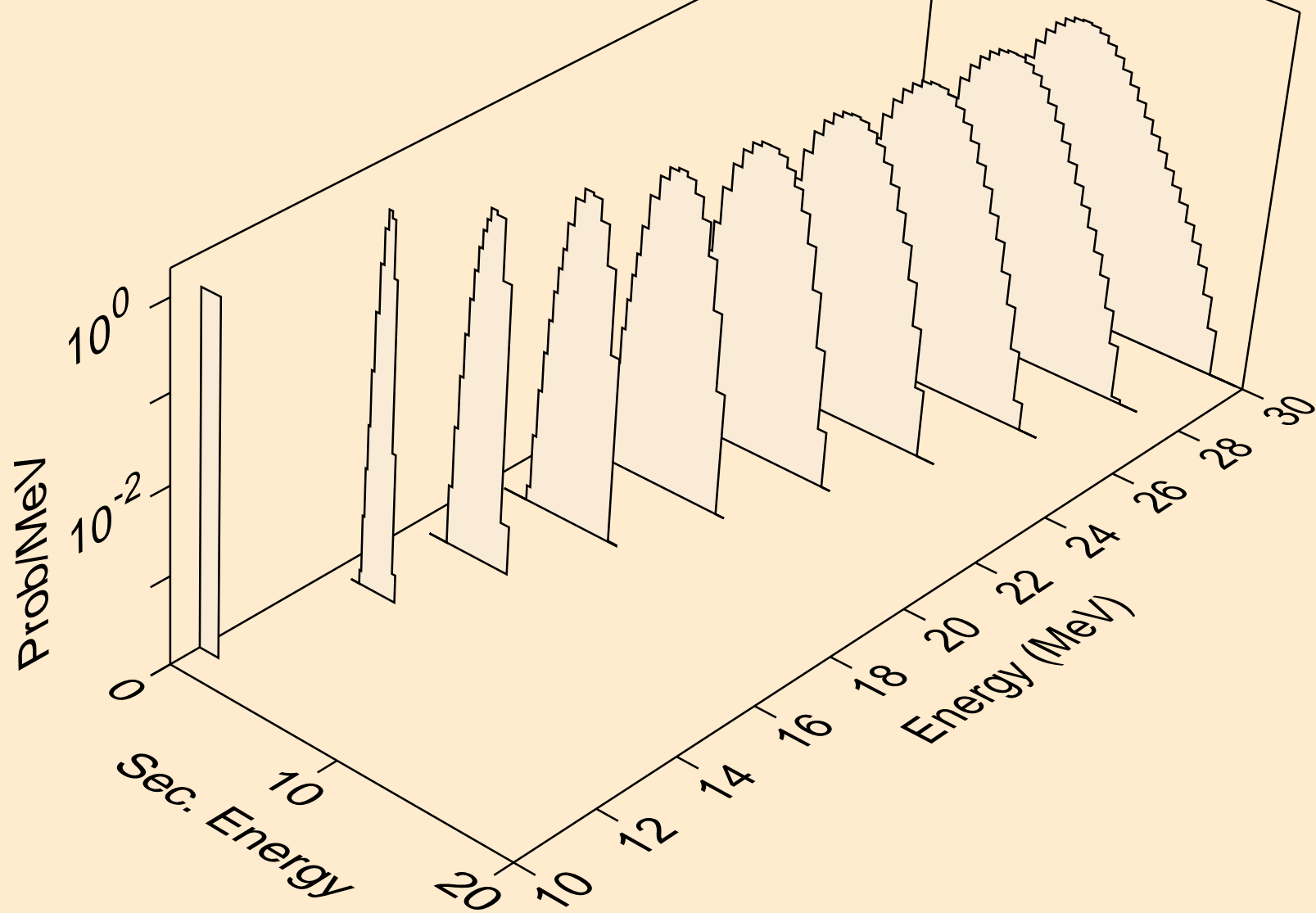
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



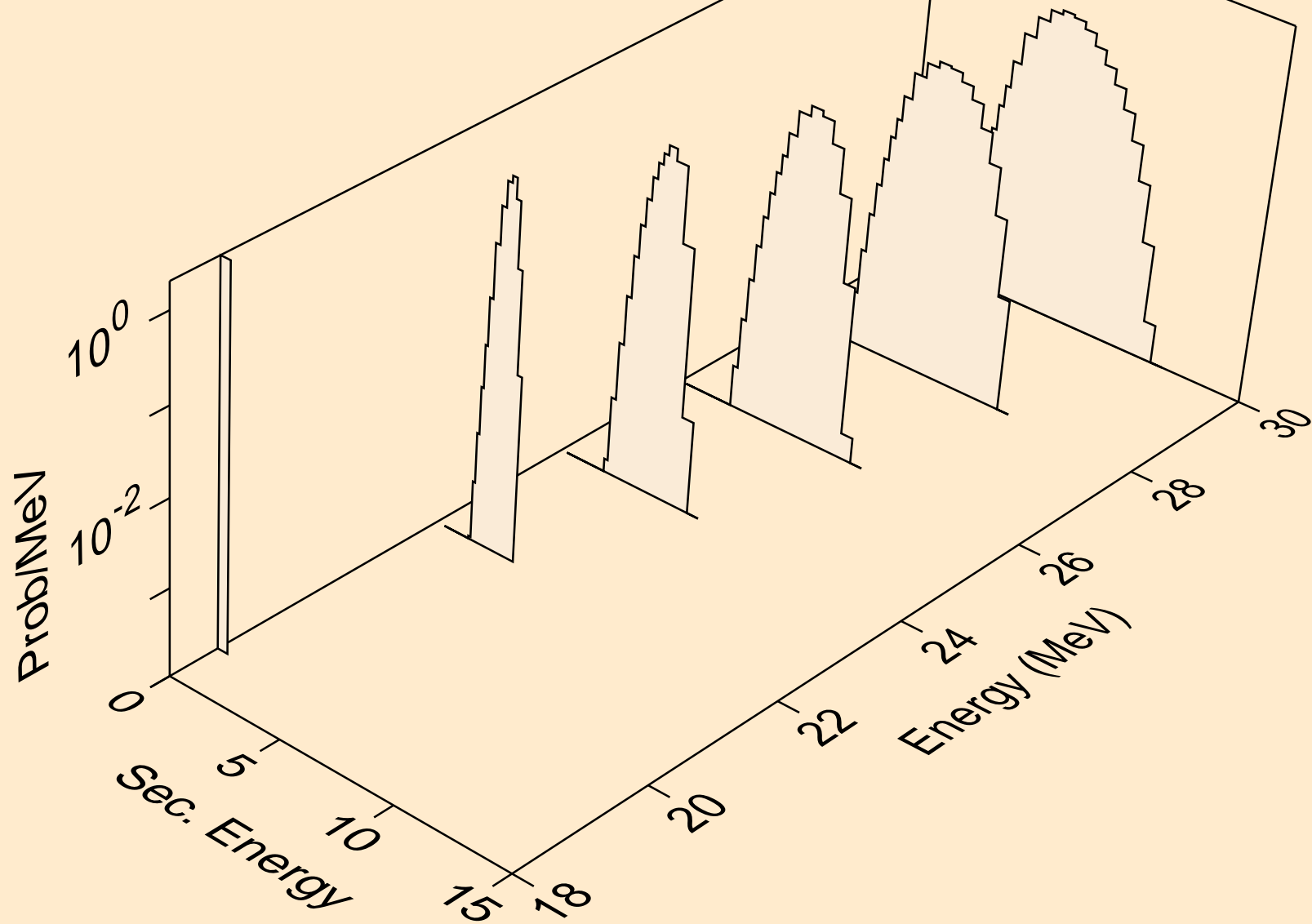
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



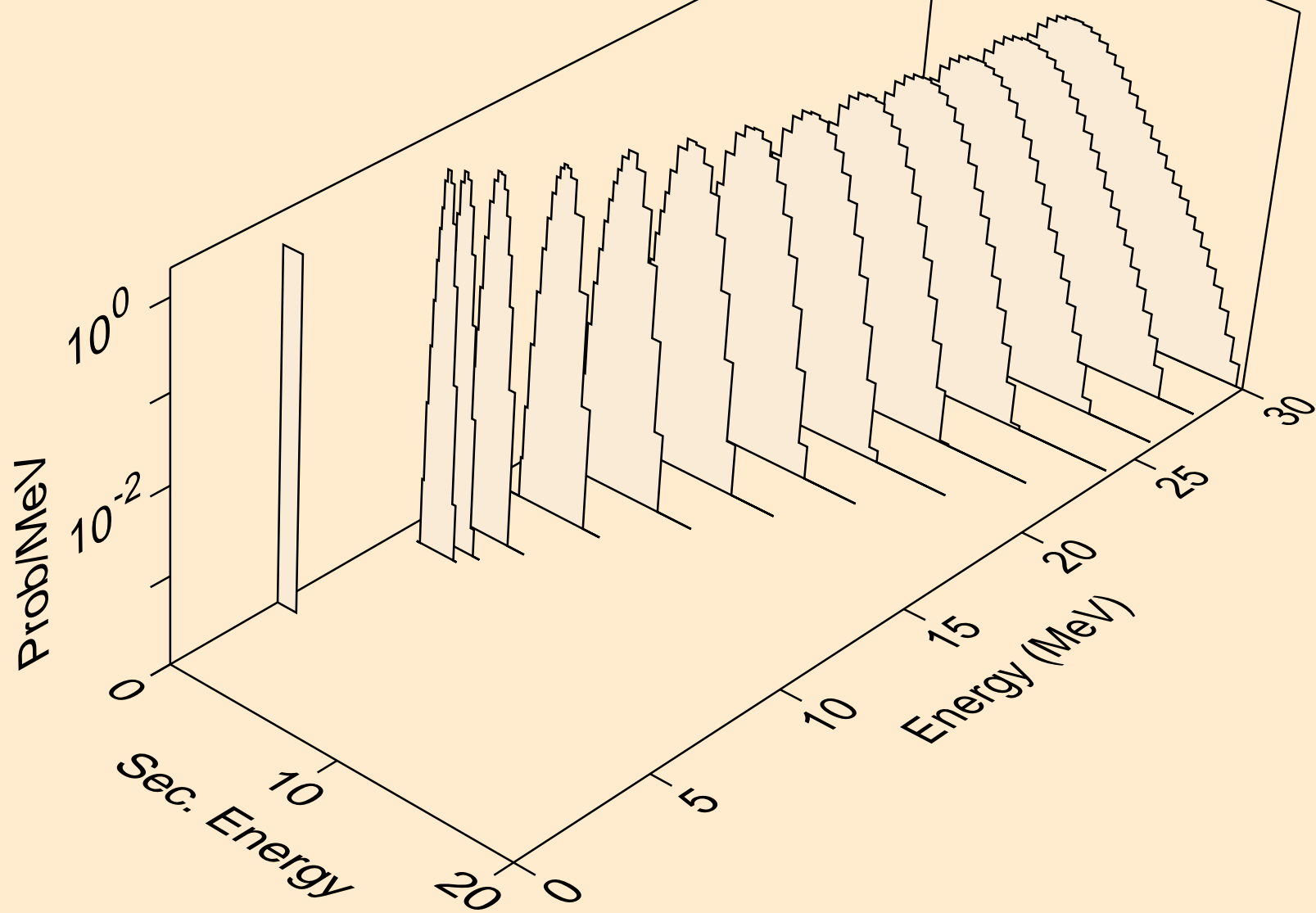
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)



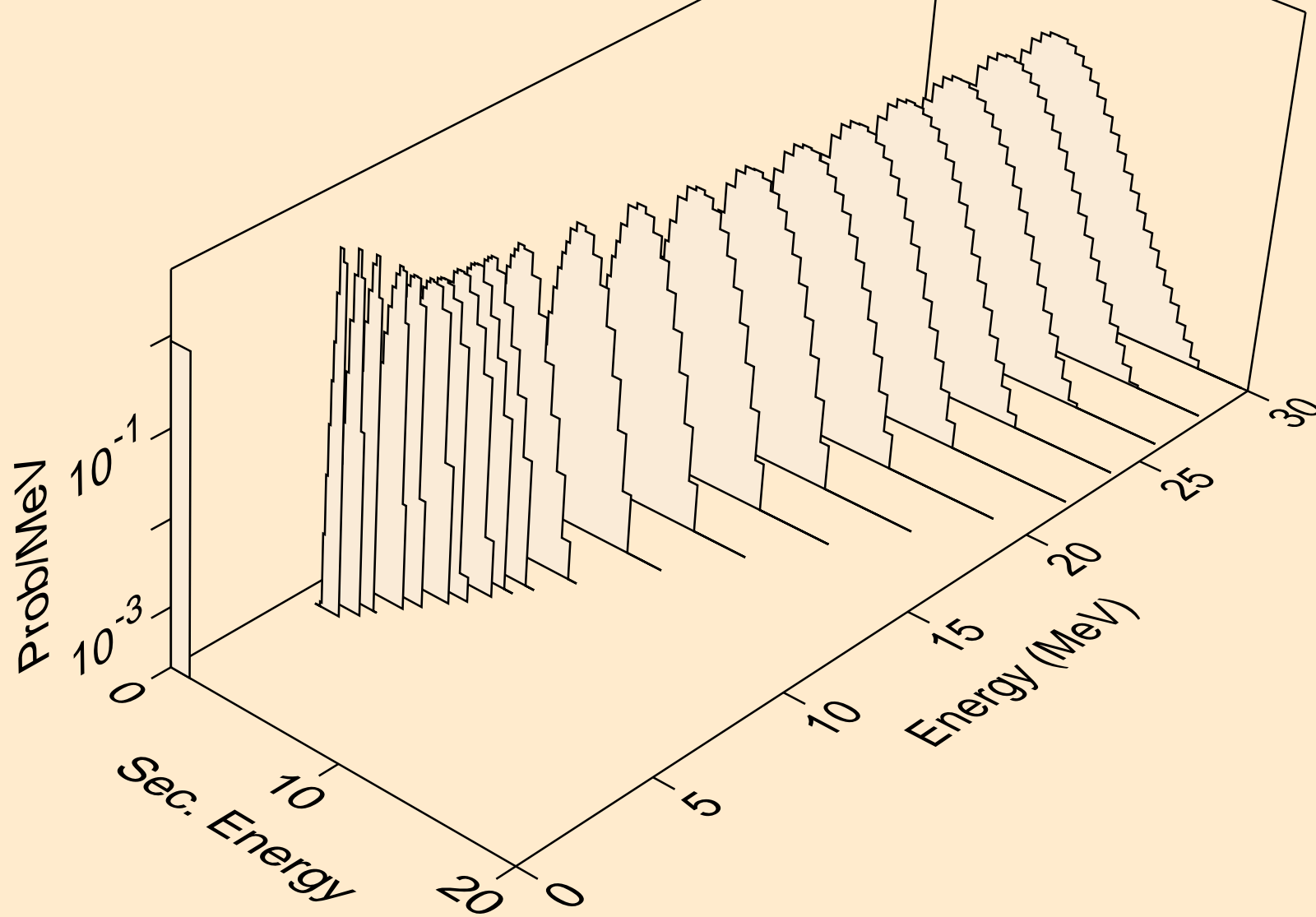
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)



BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n2p)

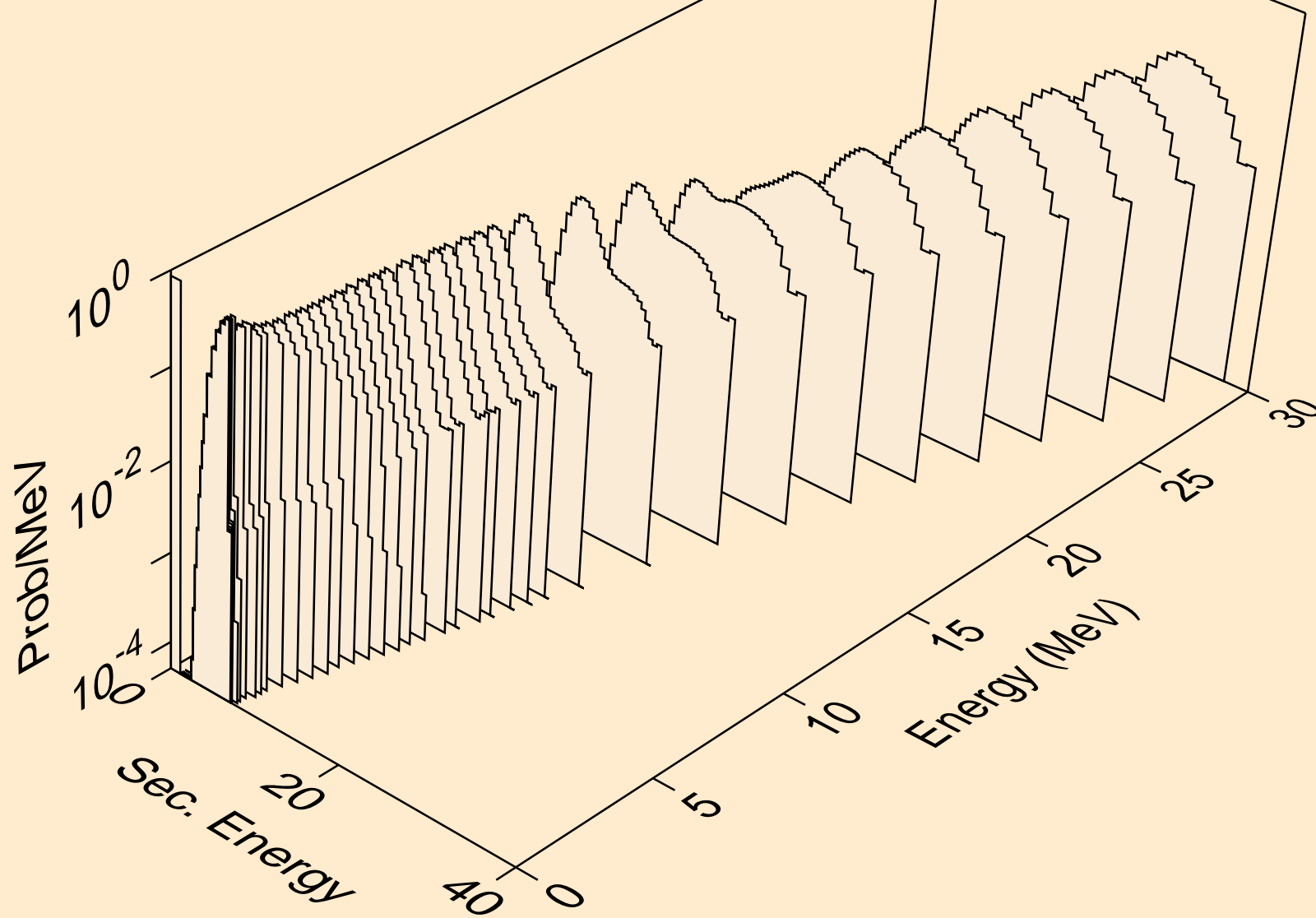


BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,npa)

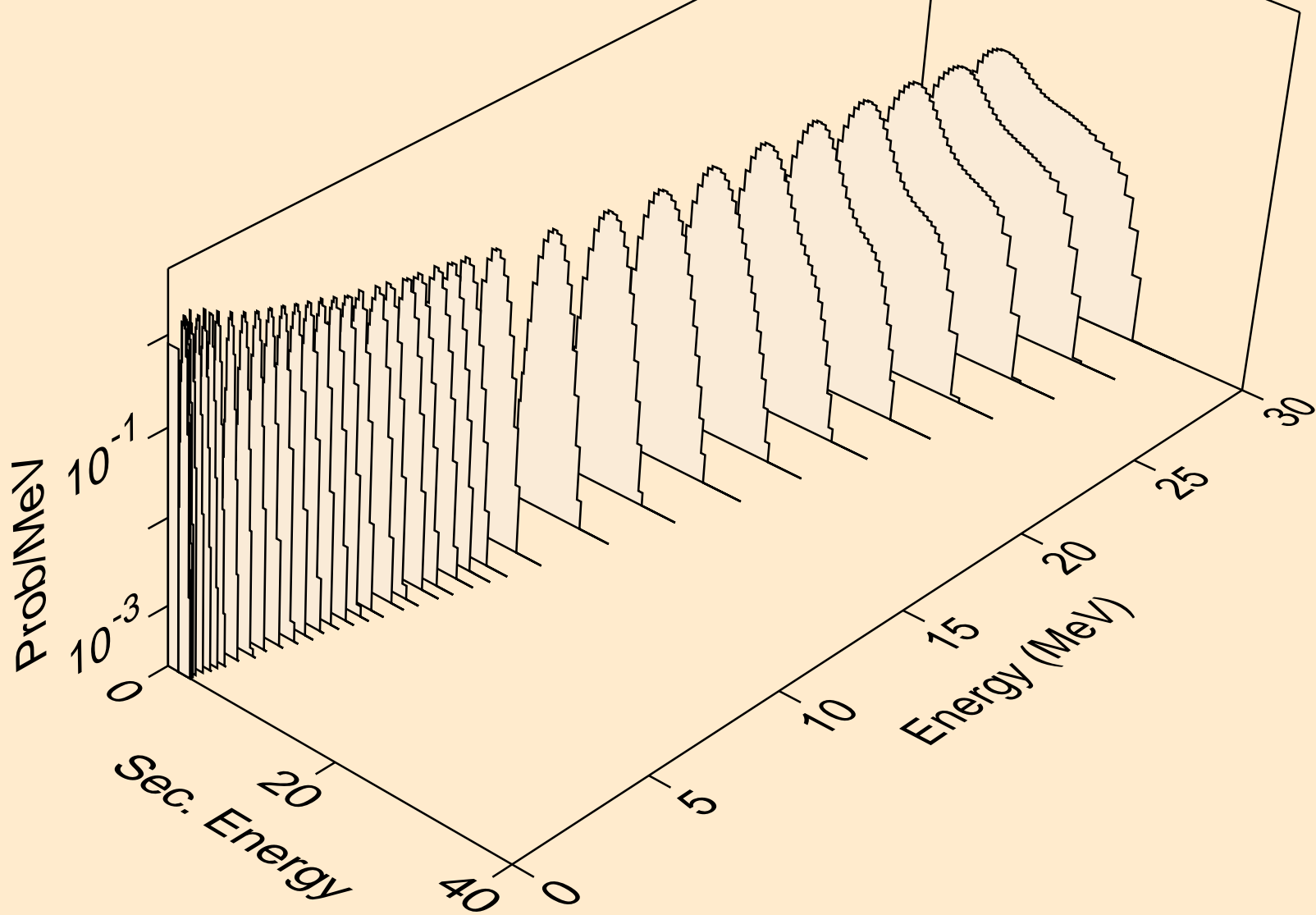




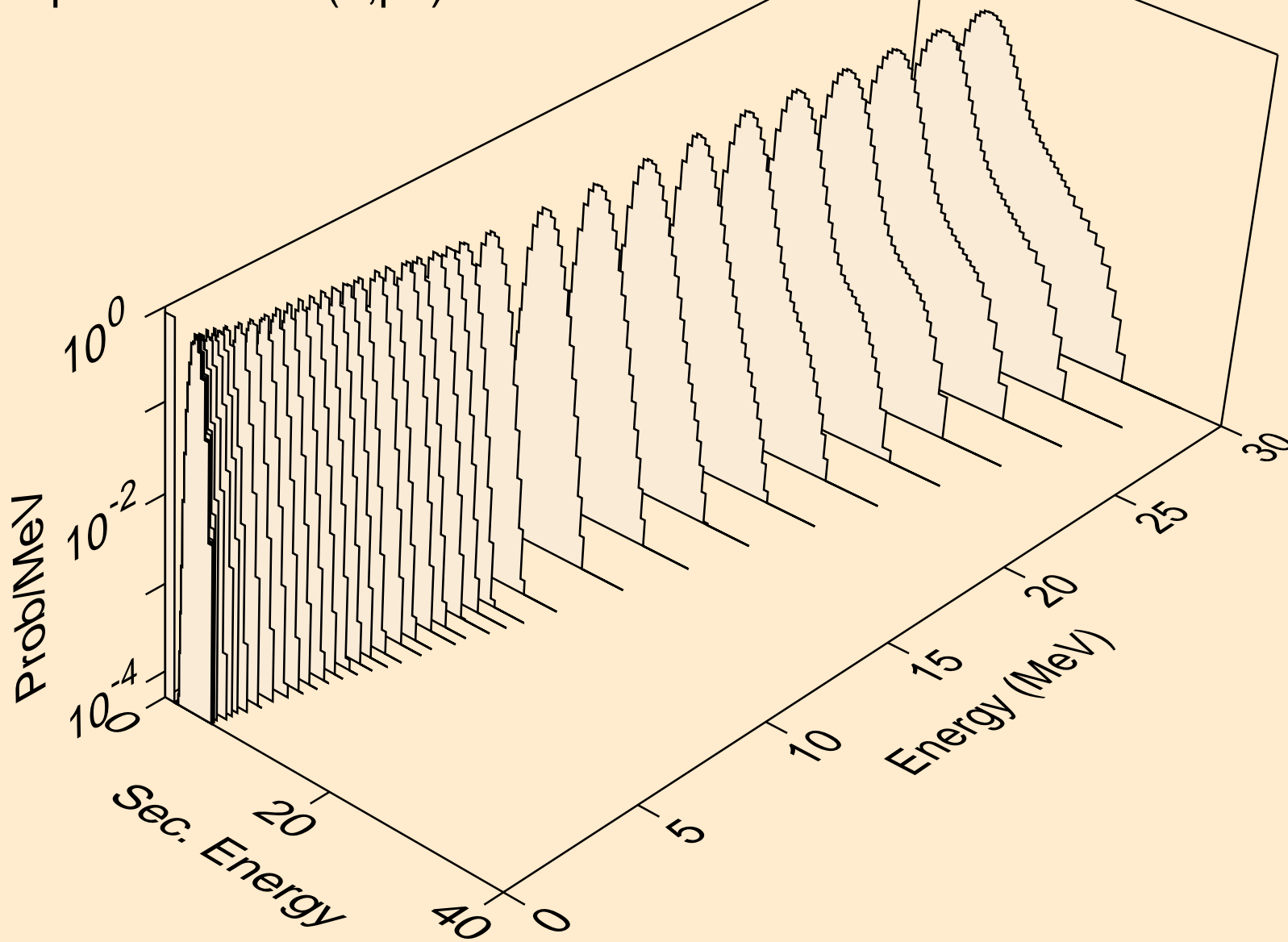
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)



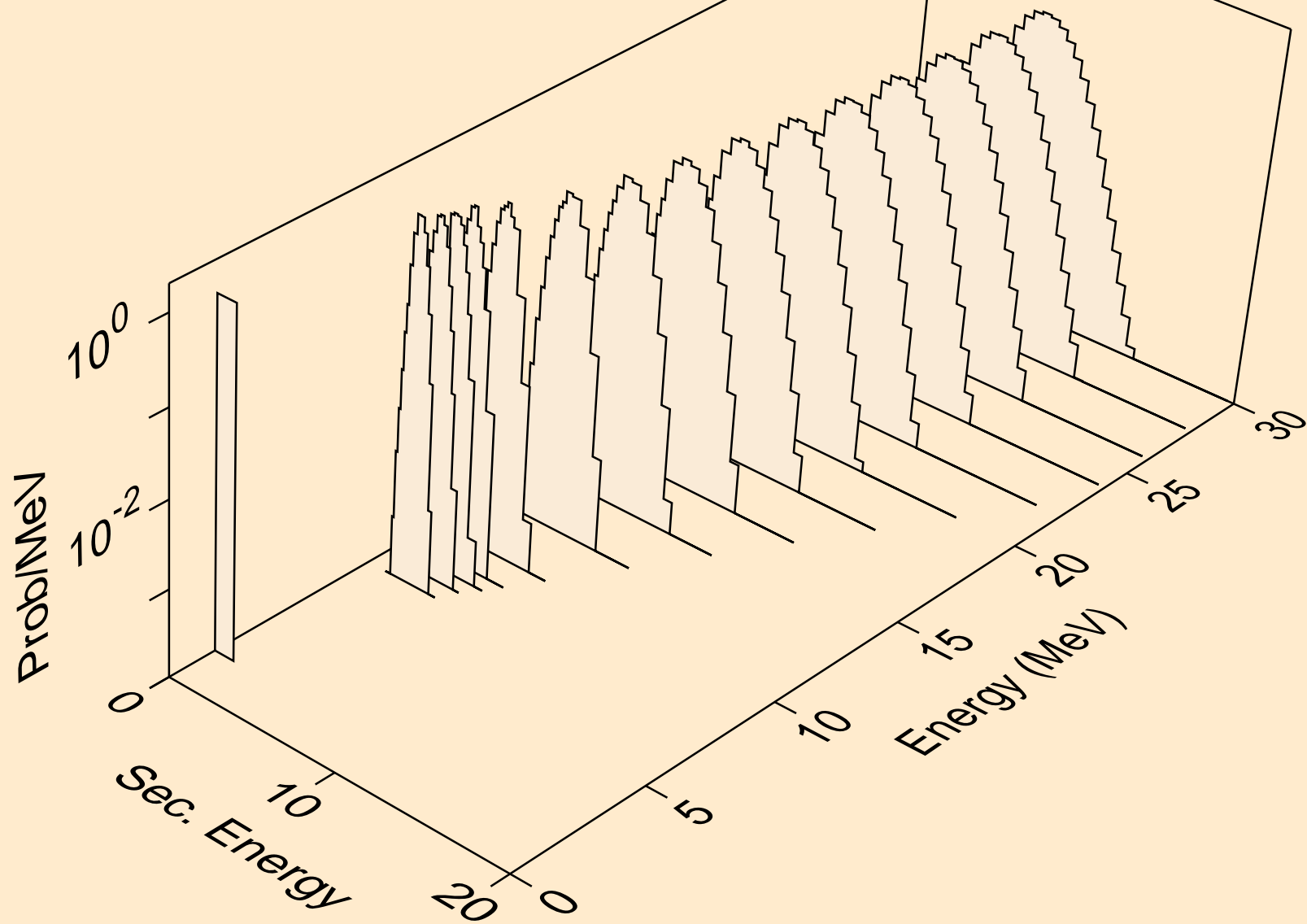
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2p)



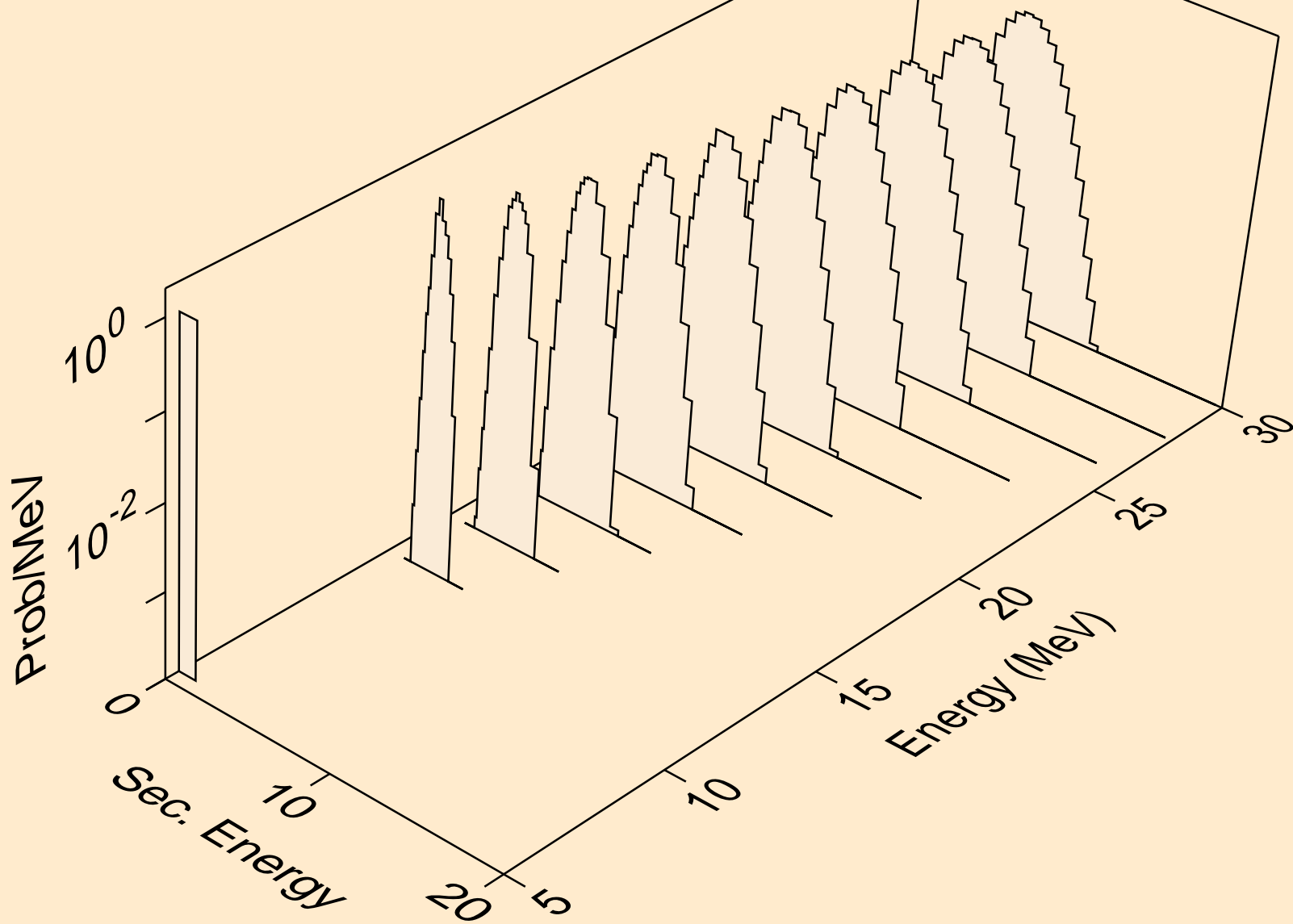
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)



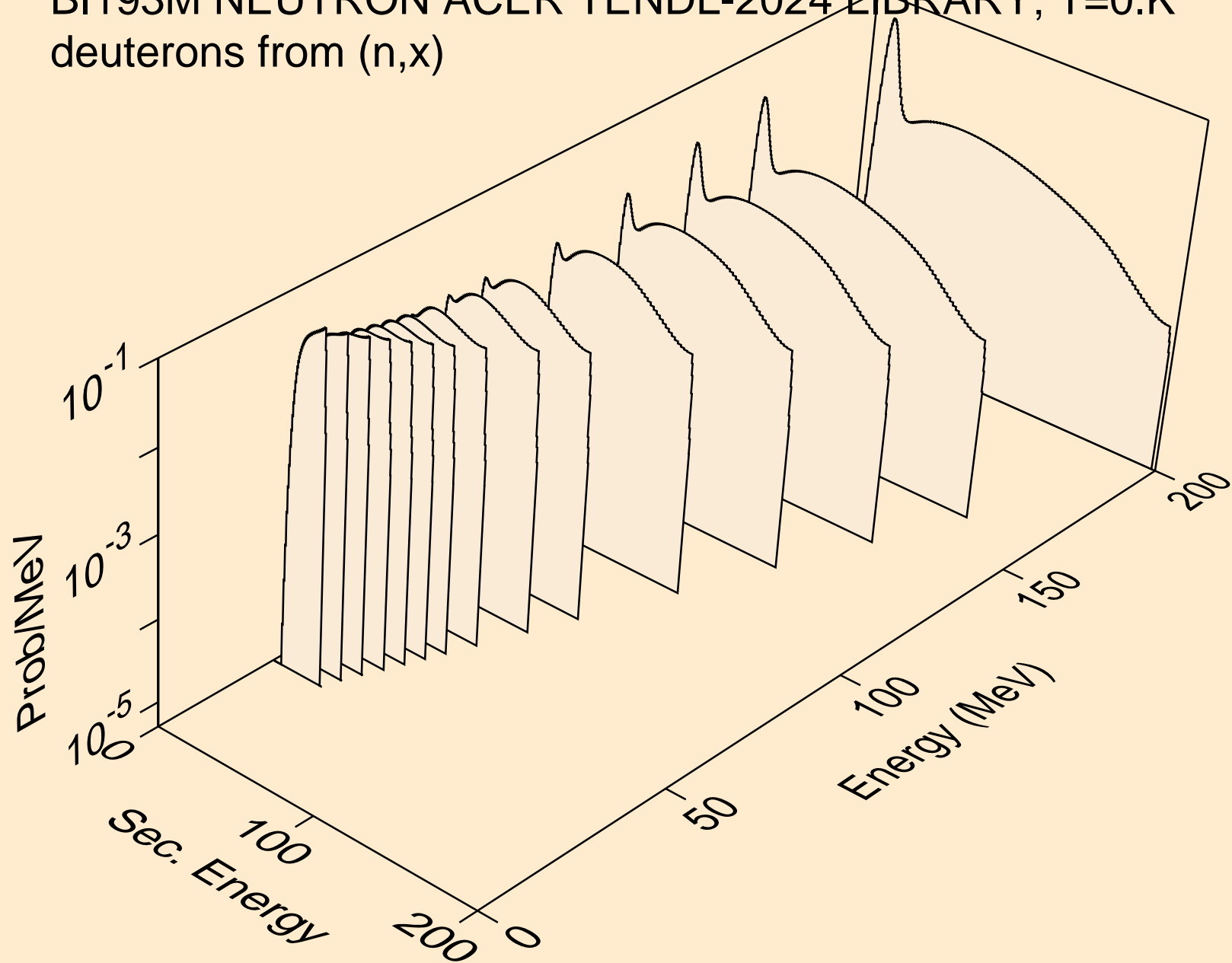
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pd)



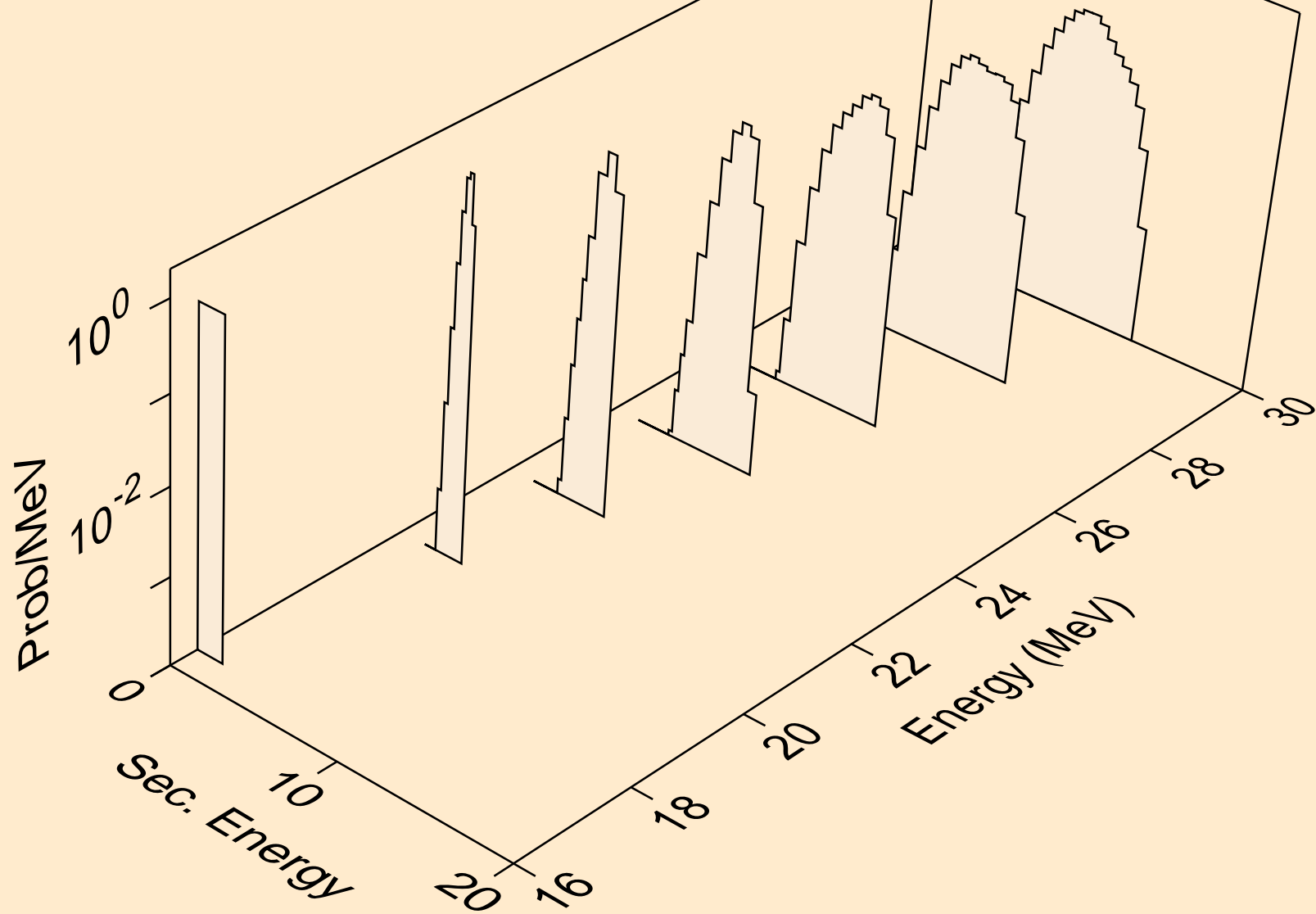
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pt)



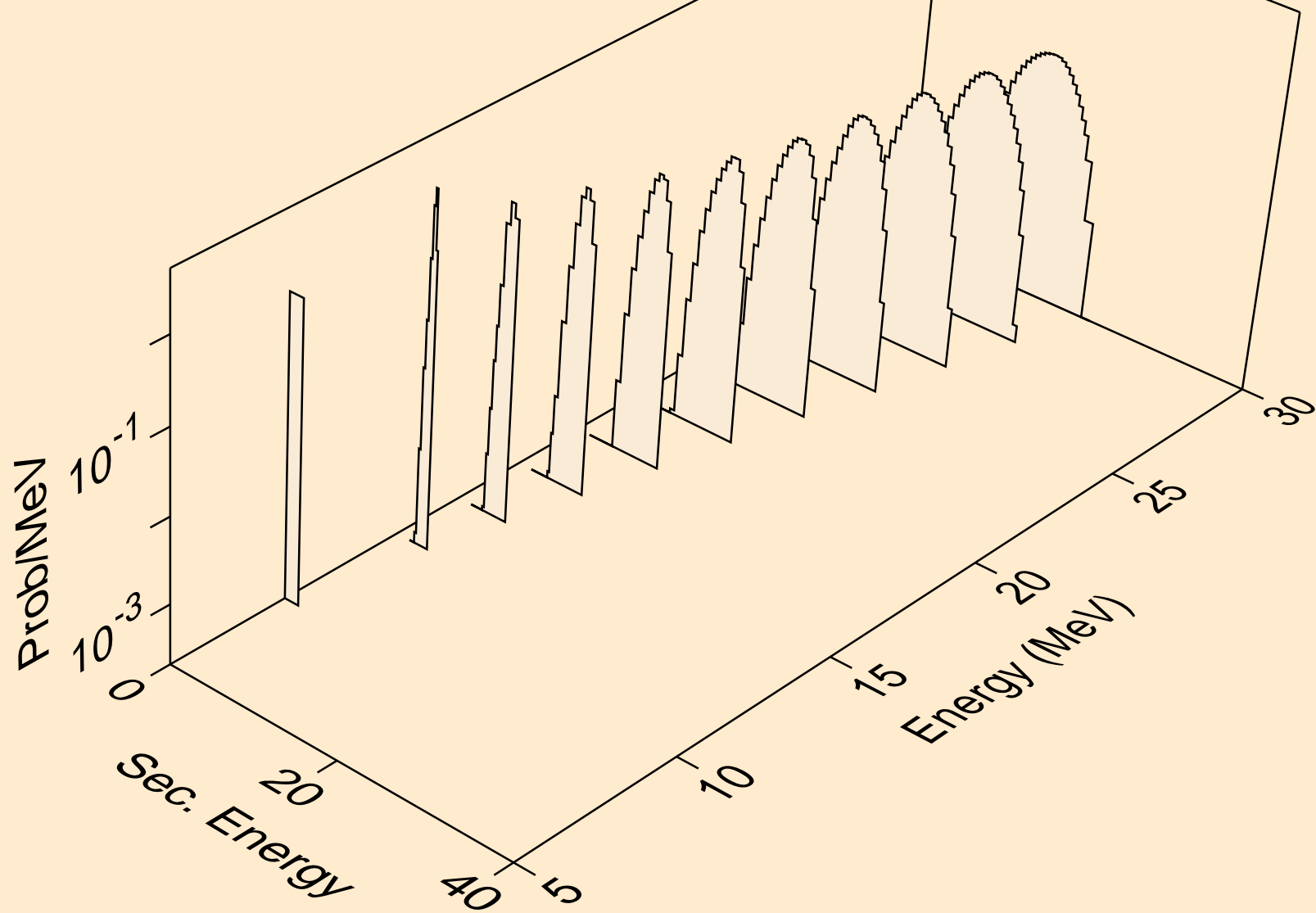
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)



BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,2nd)

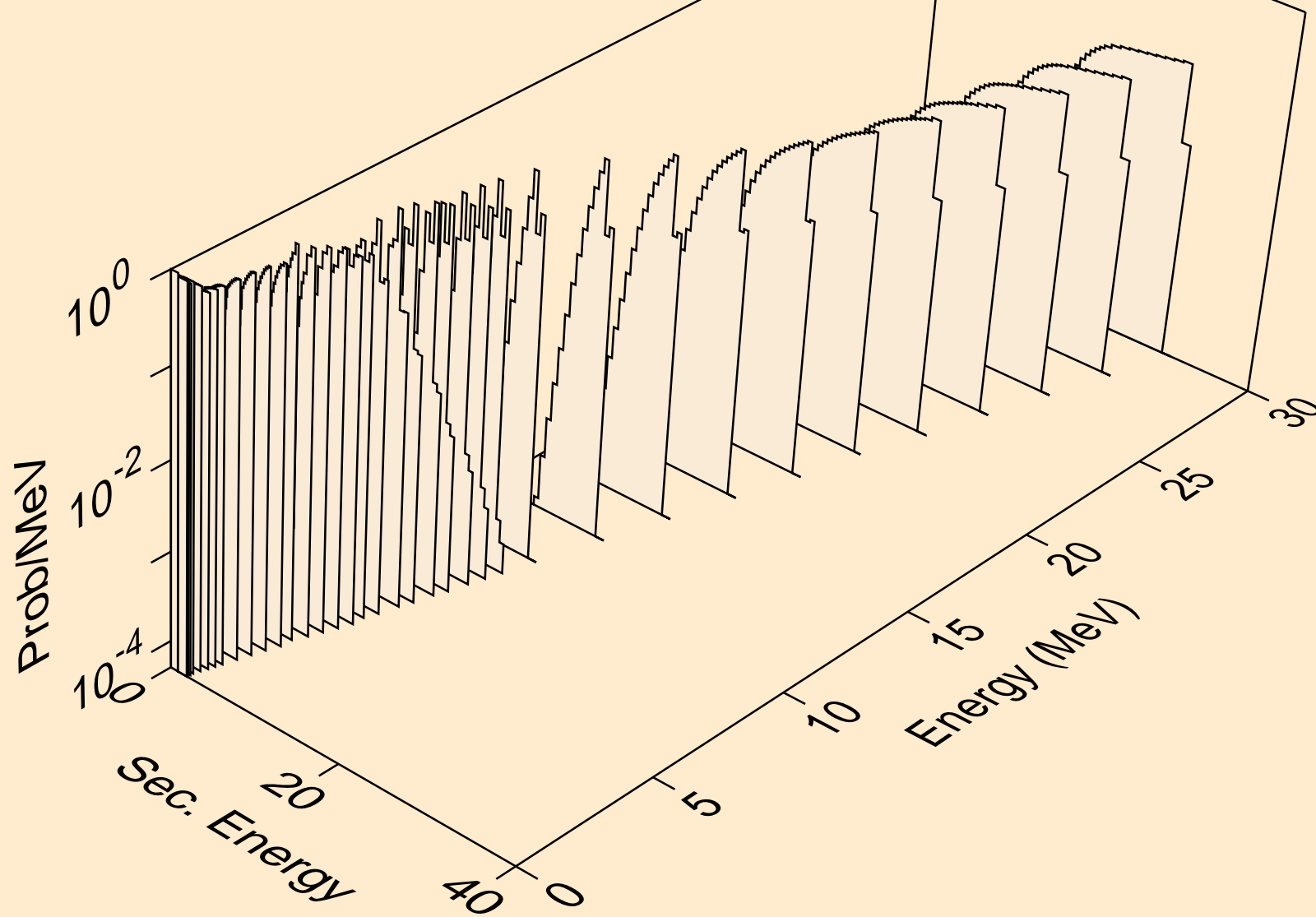


BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,n\*)d

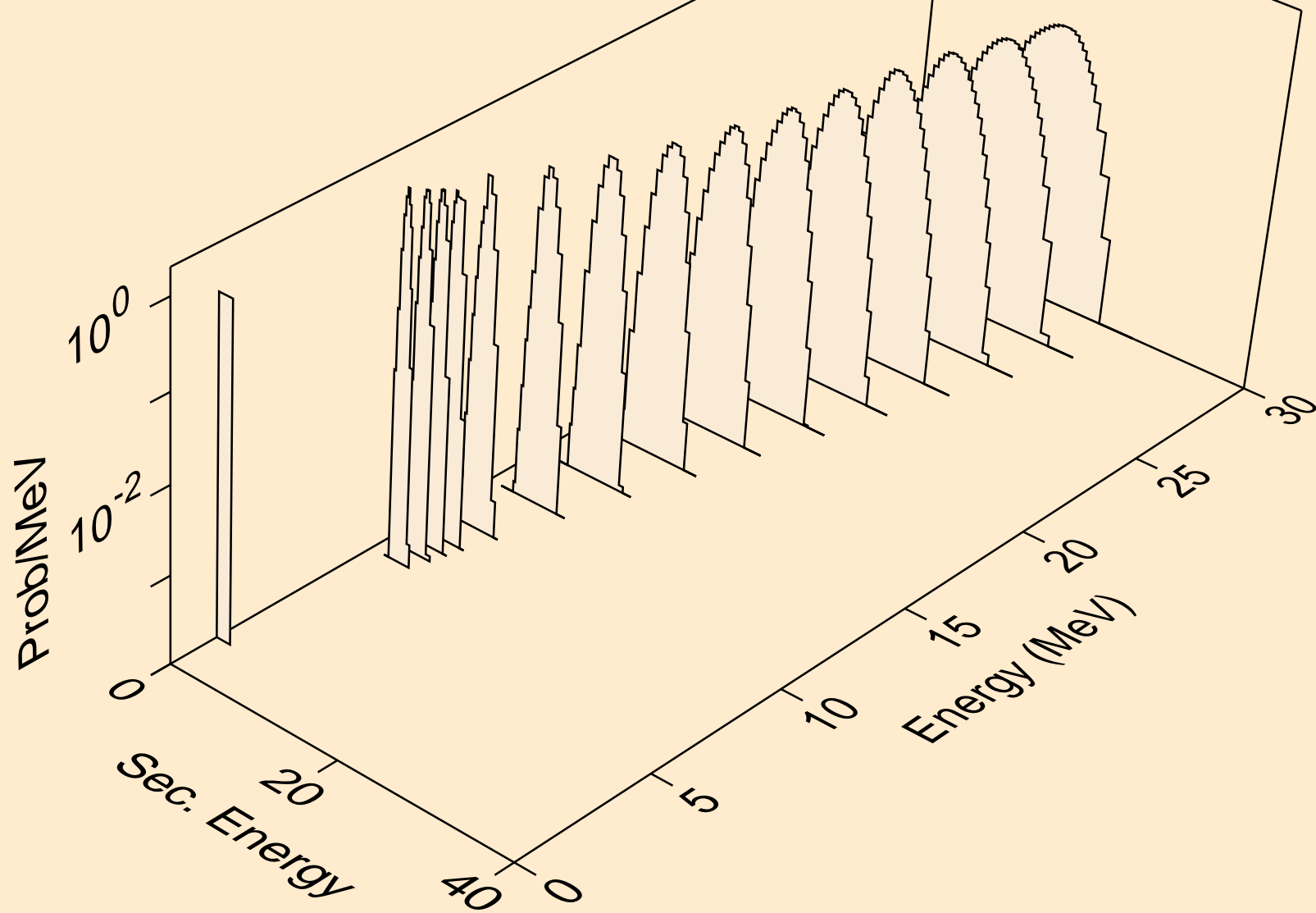




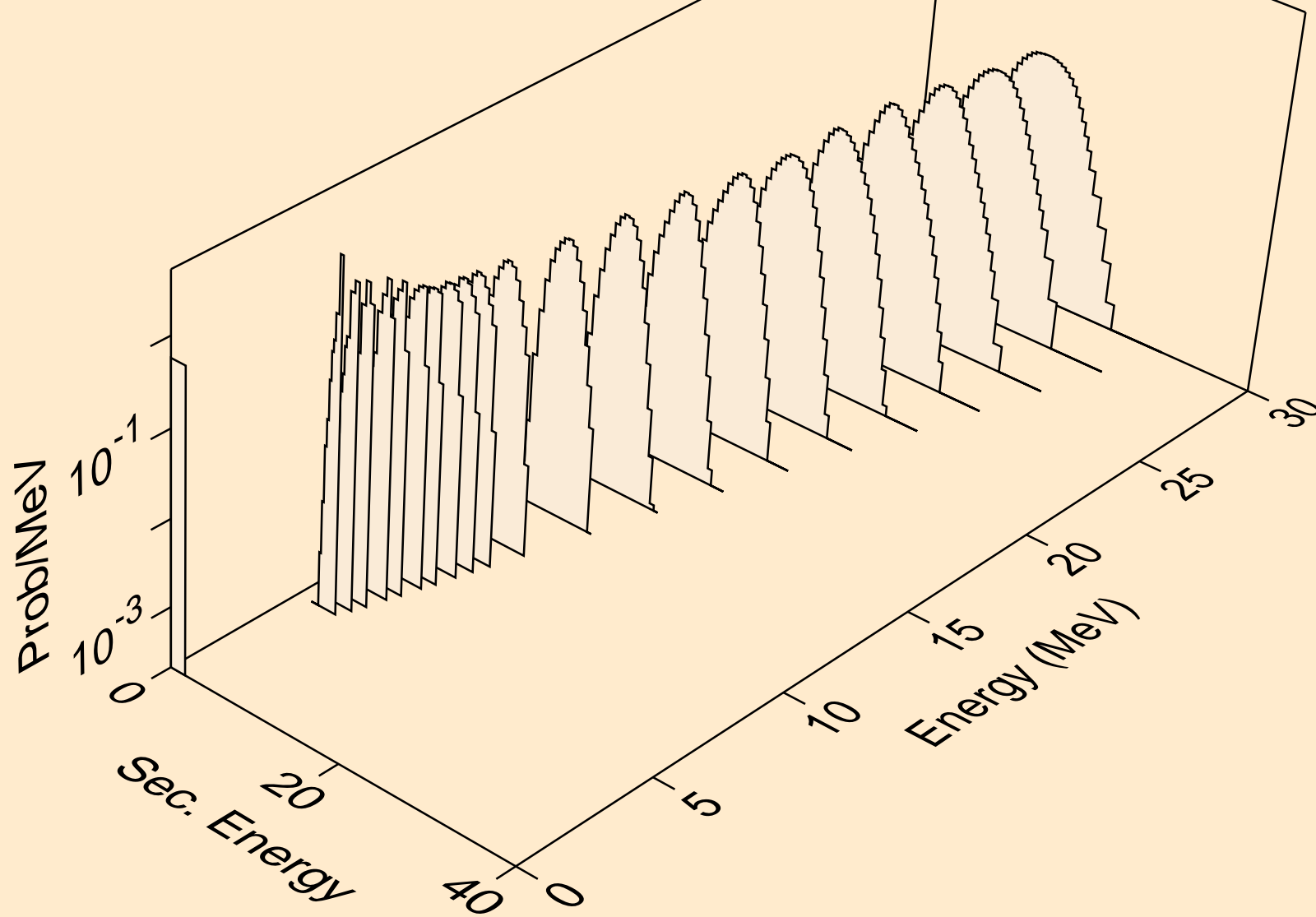
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,d)



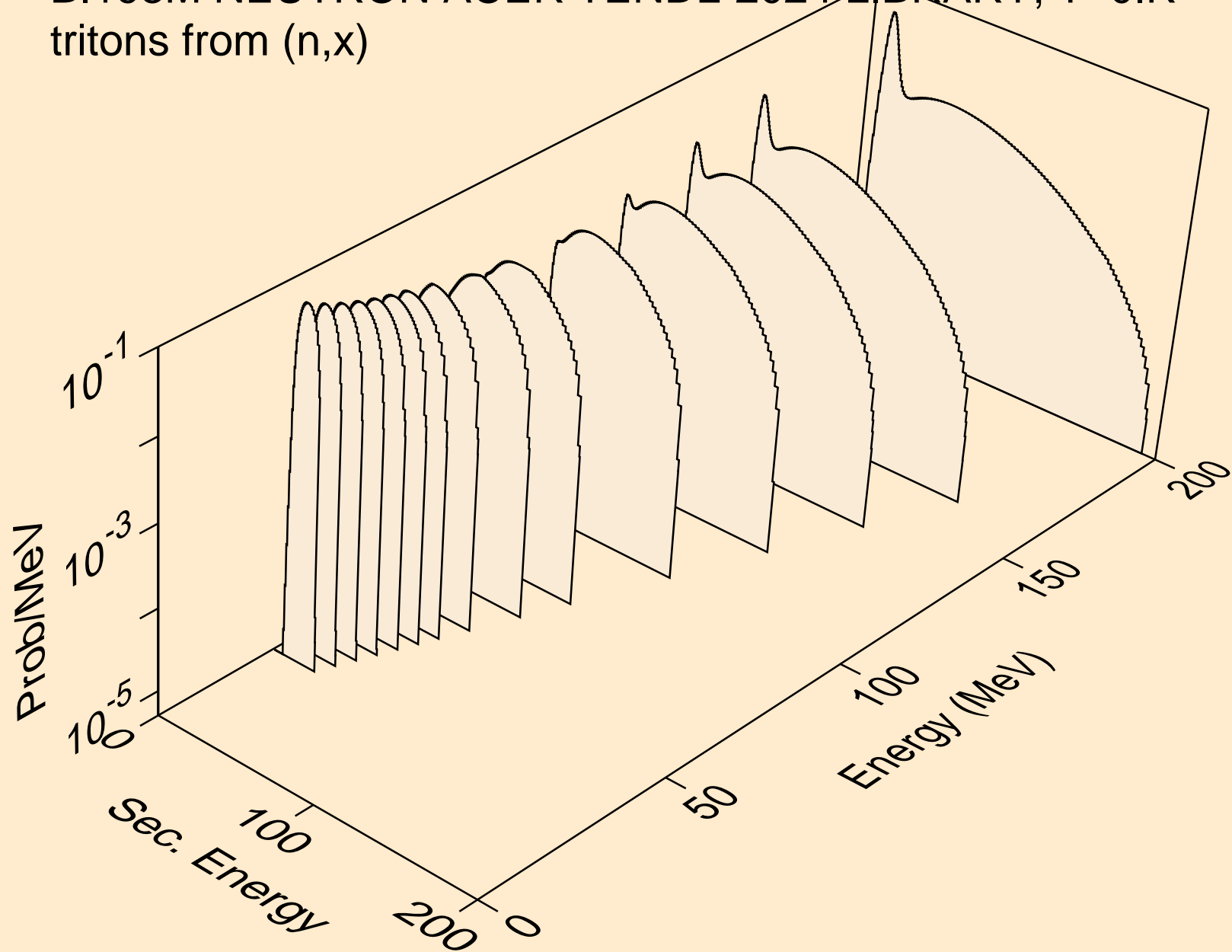
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,pd)



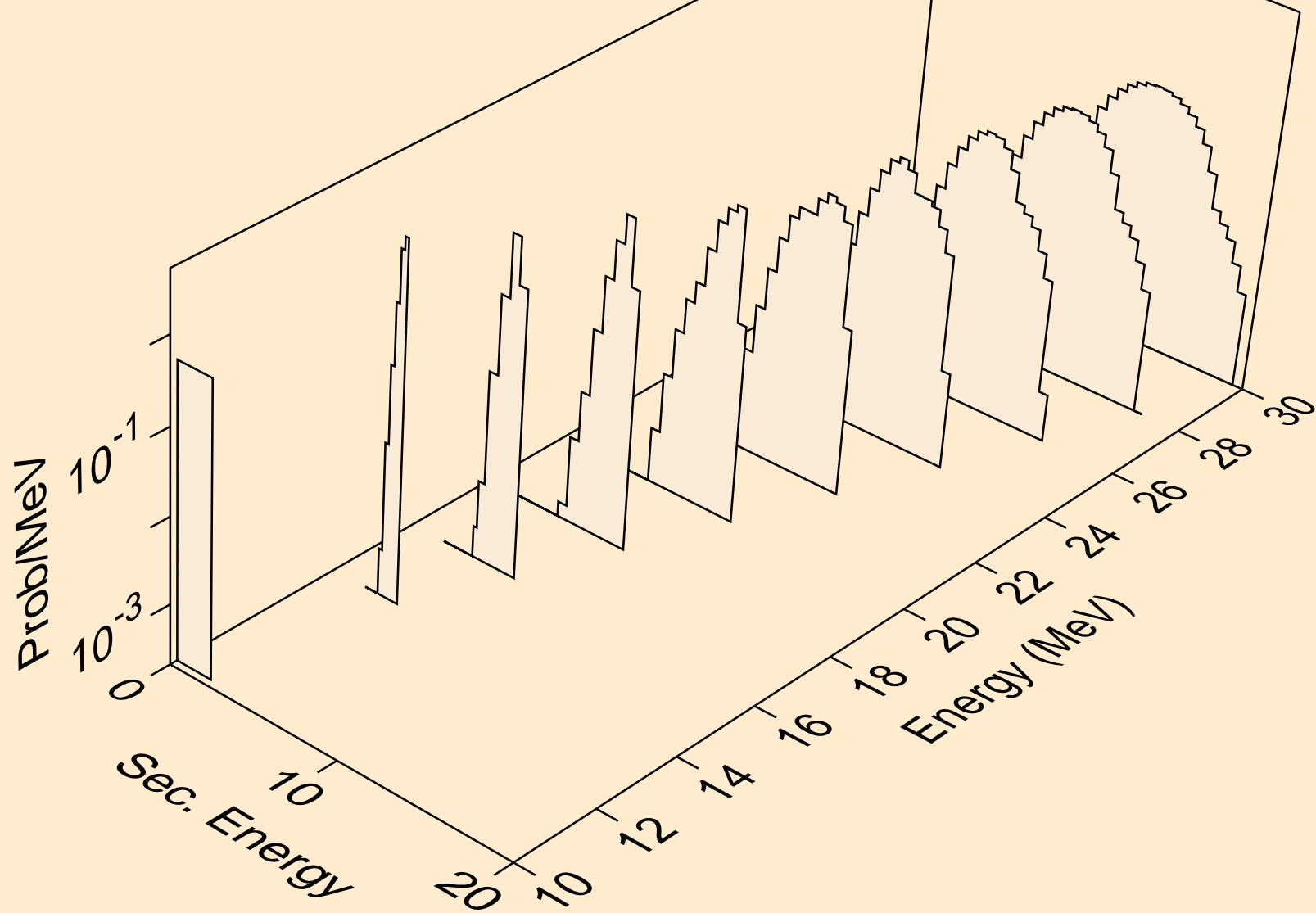
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,da)



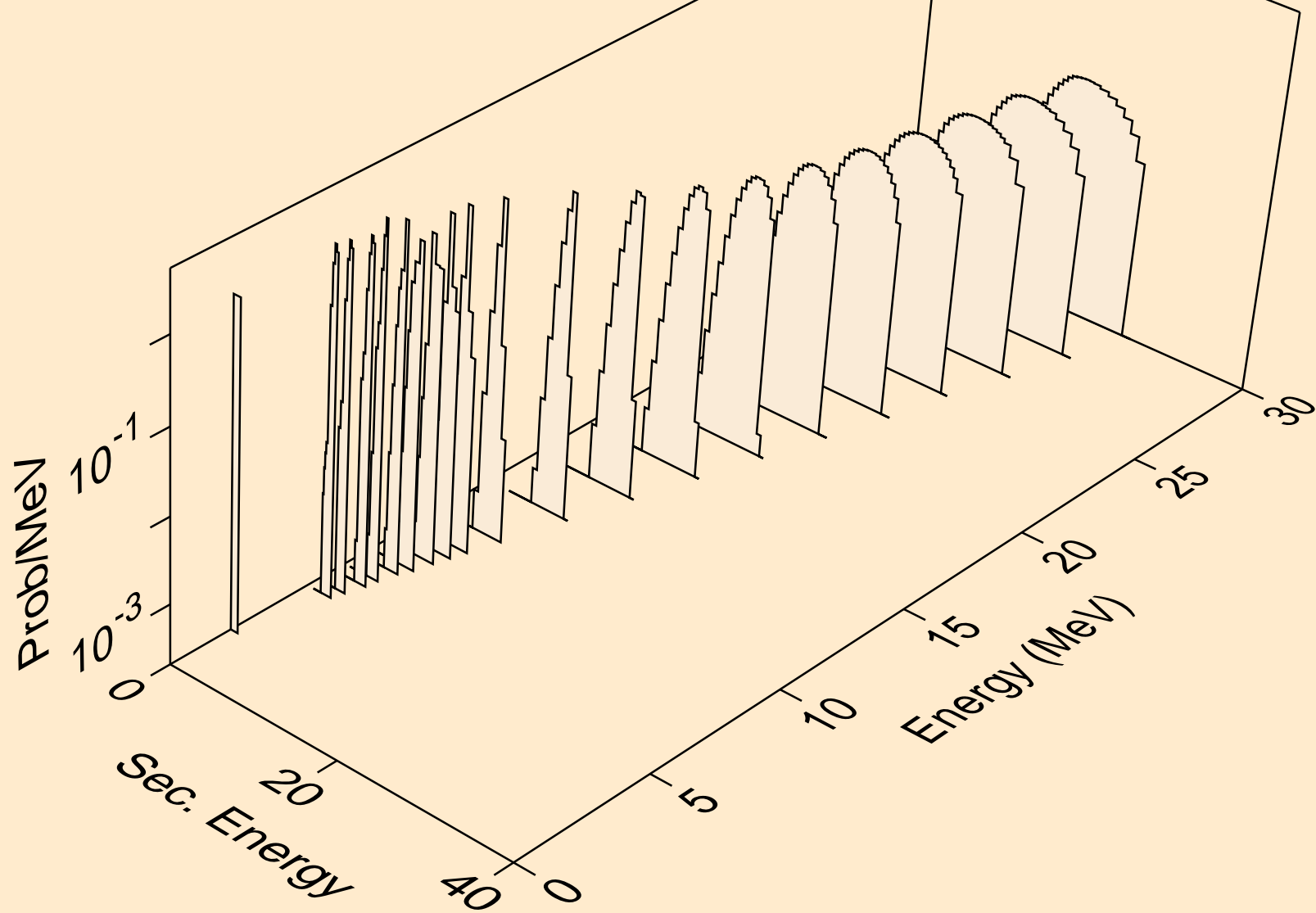
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)



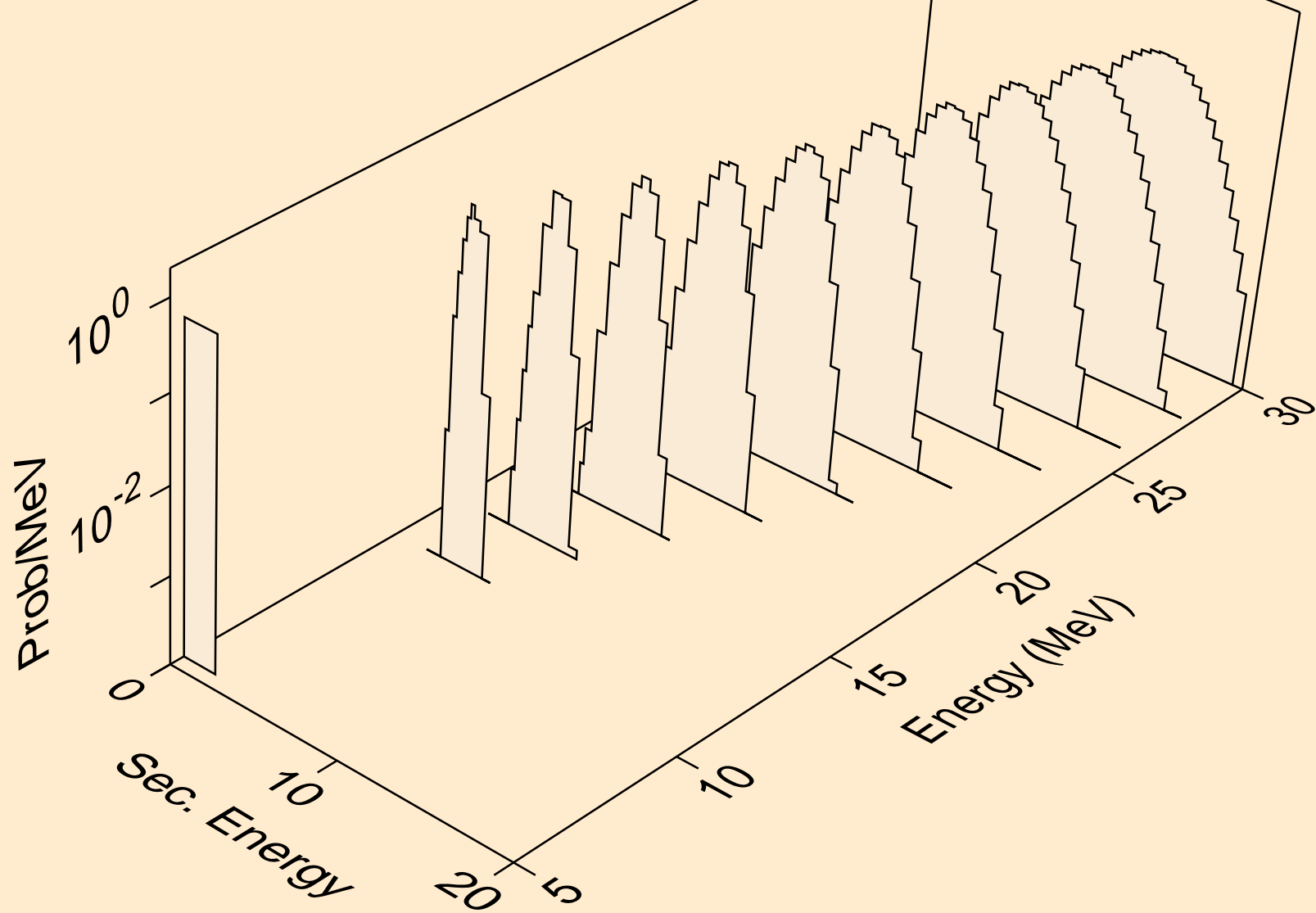
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



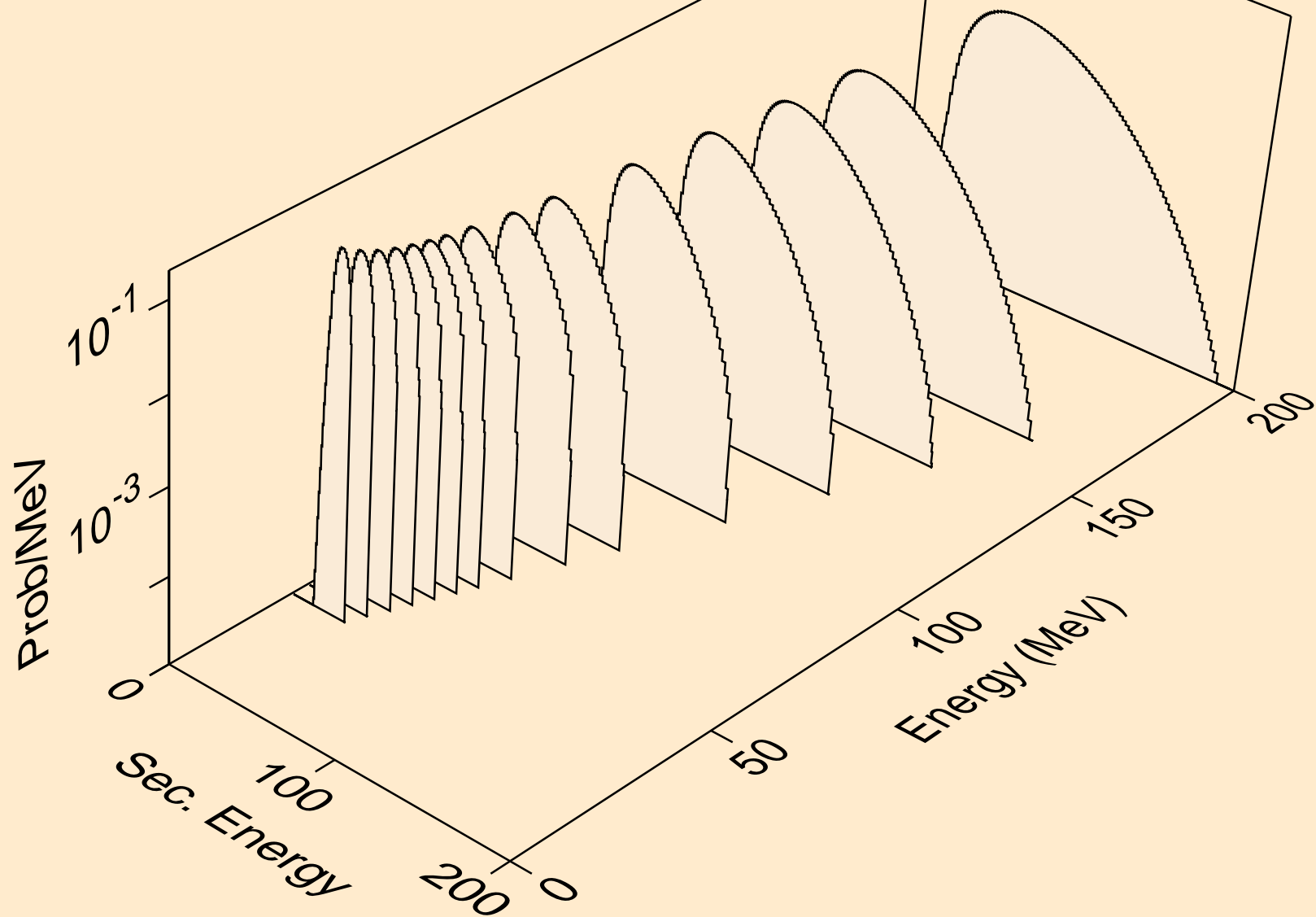
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,t)



BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,pt)

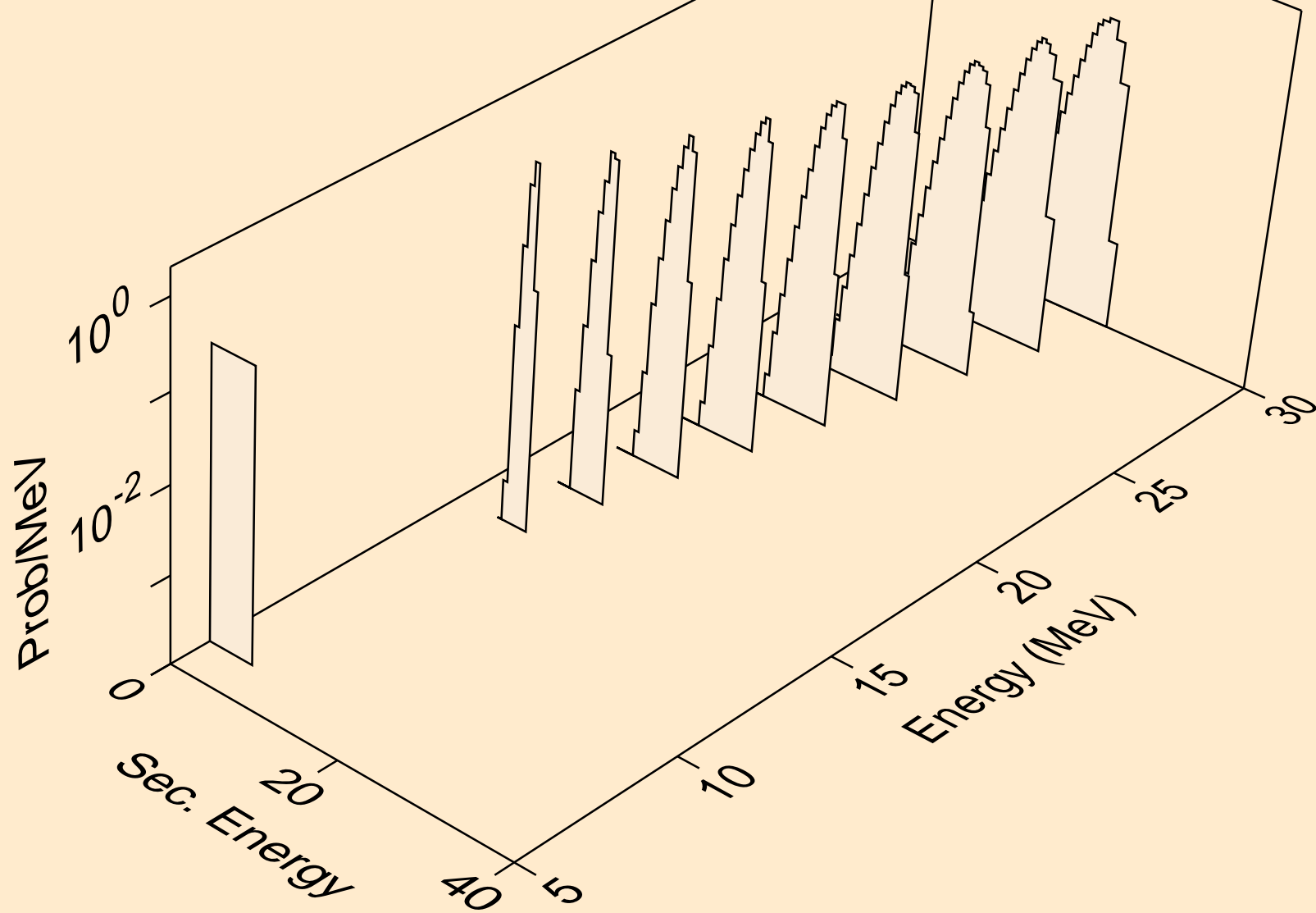


BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)

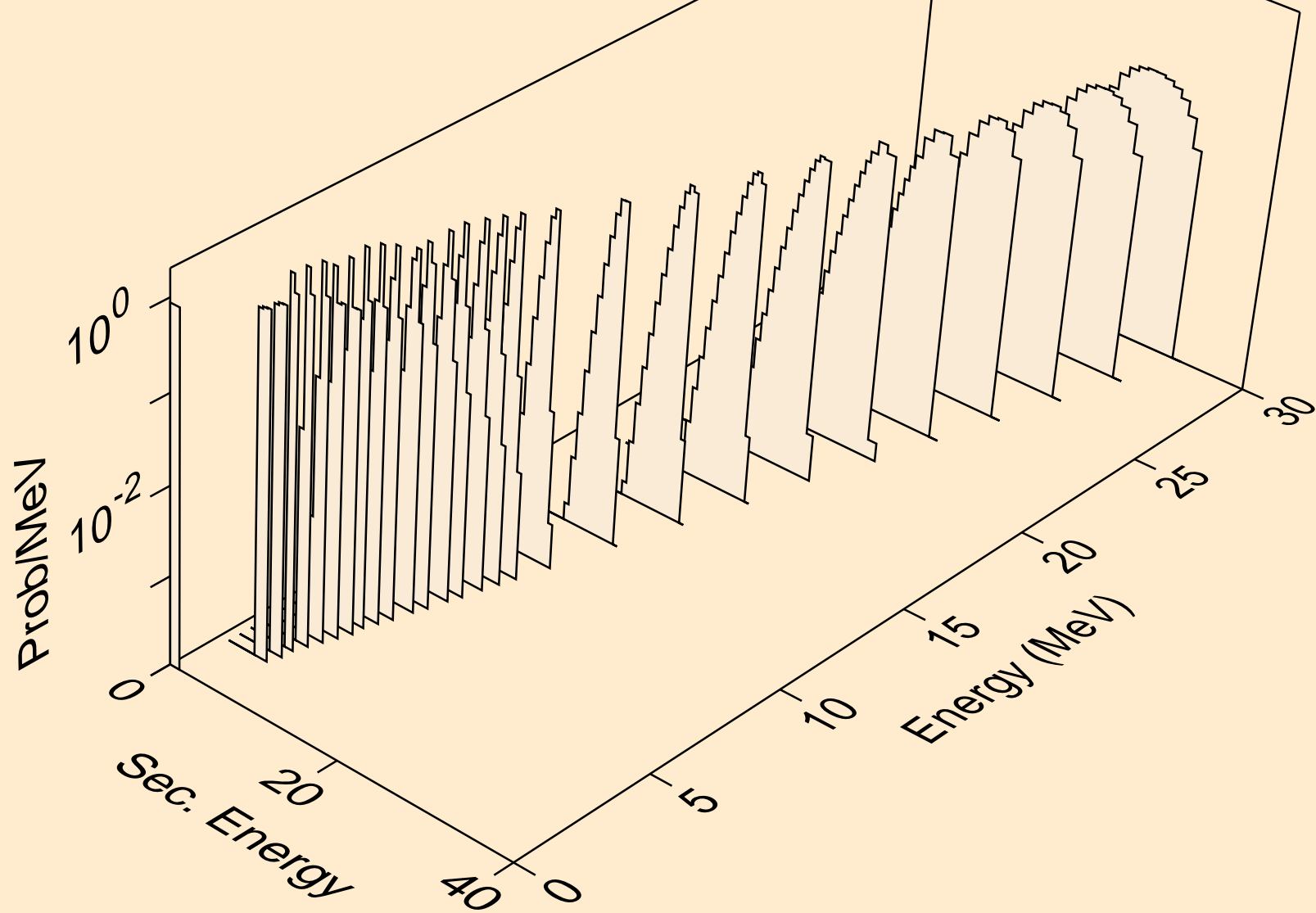




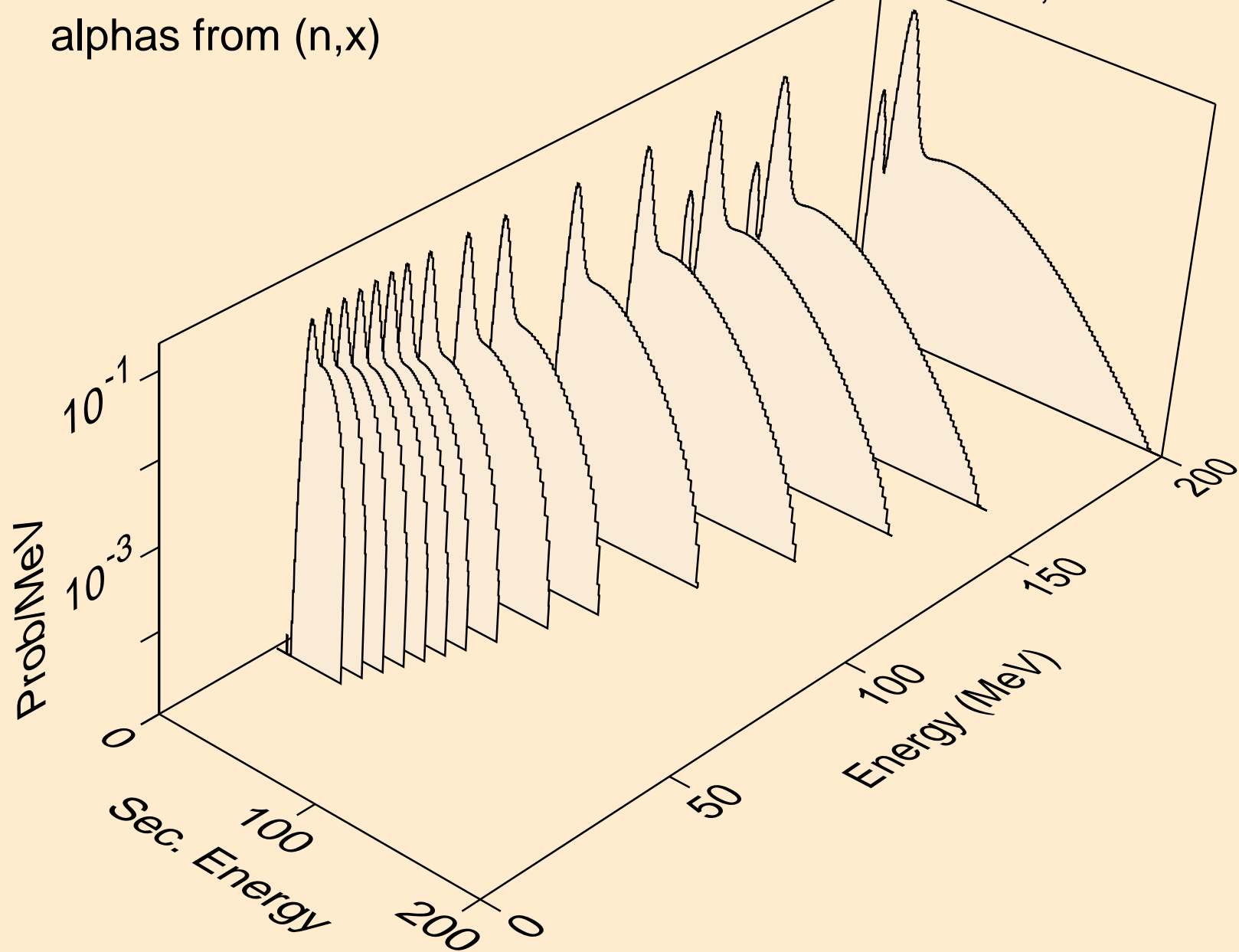
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3



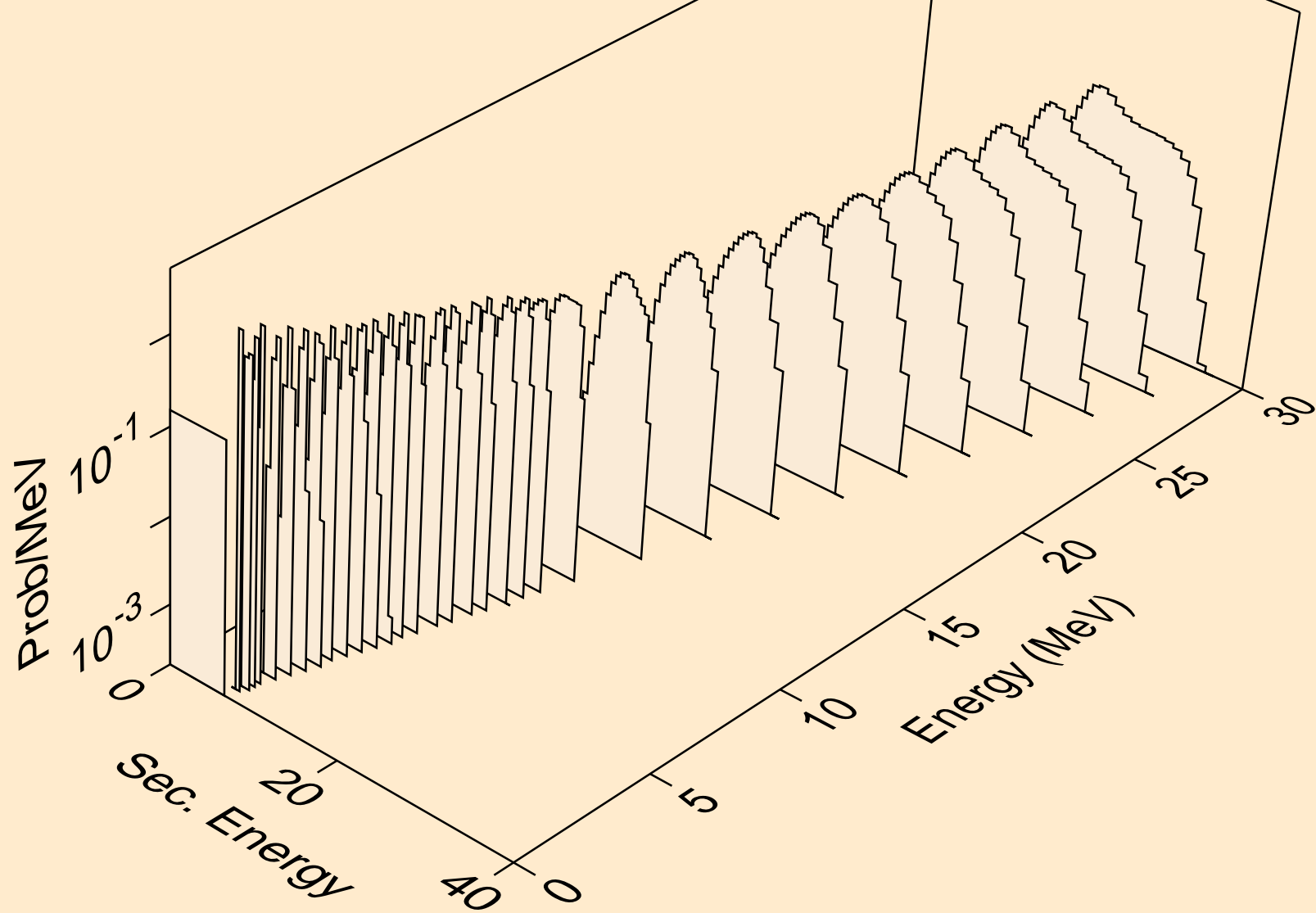
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)



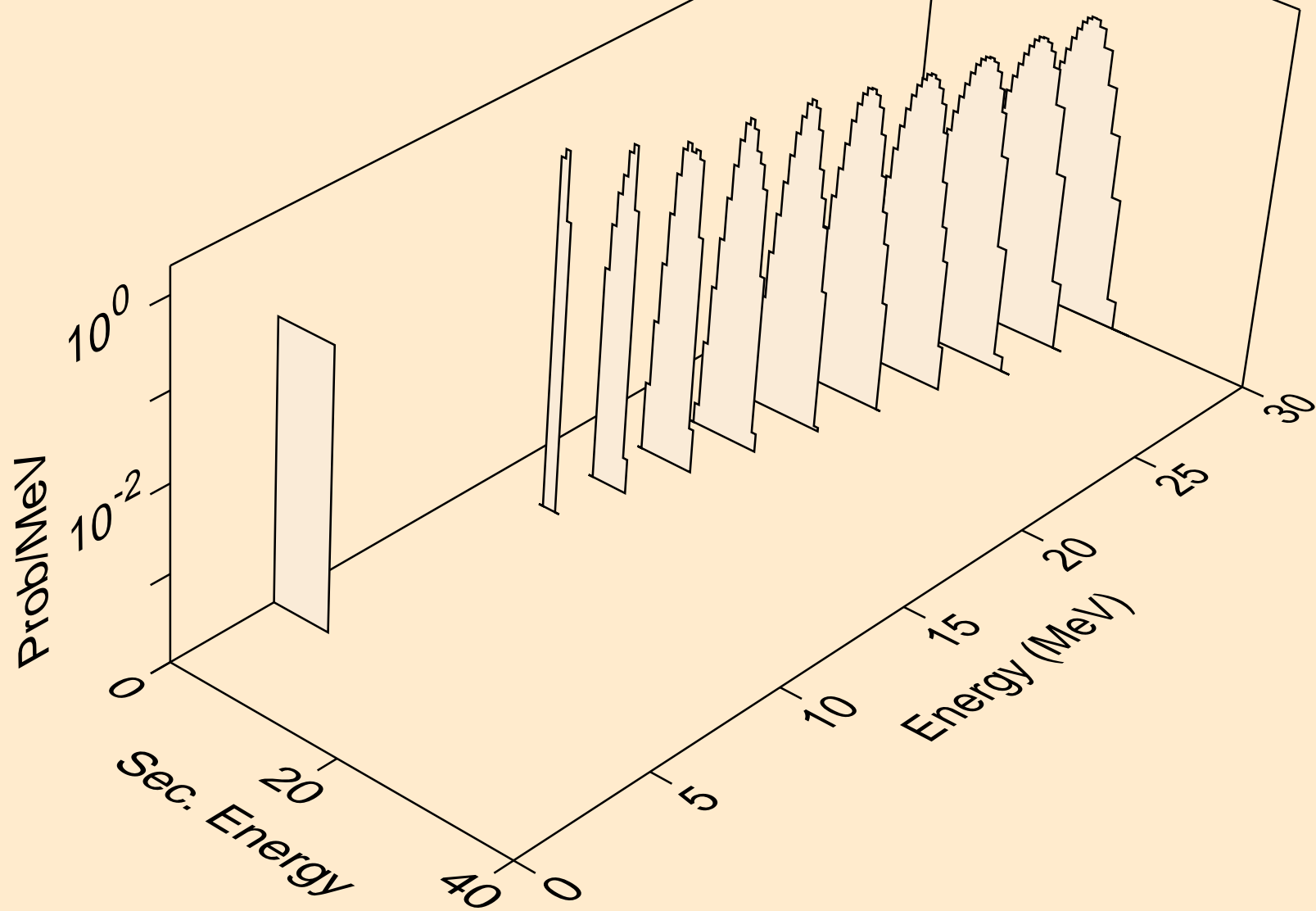
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



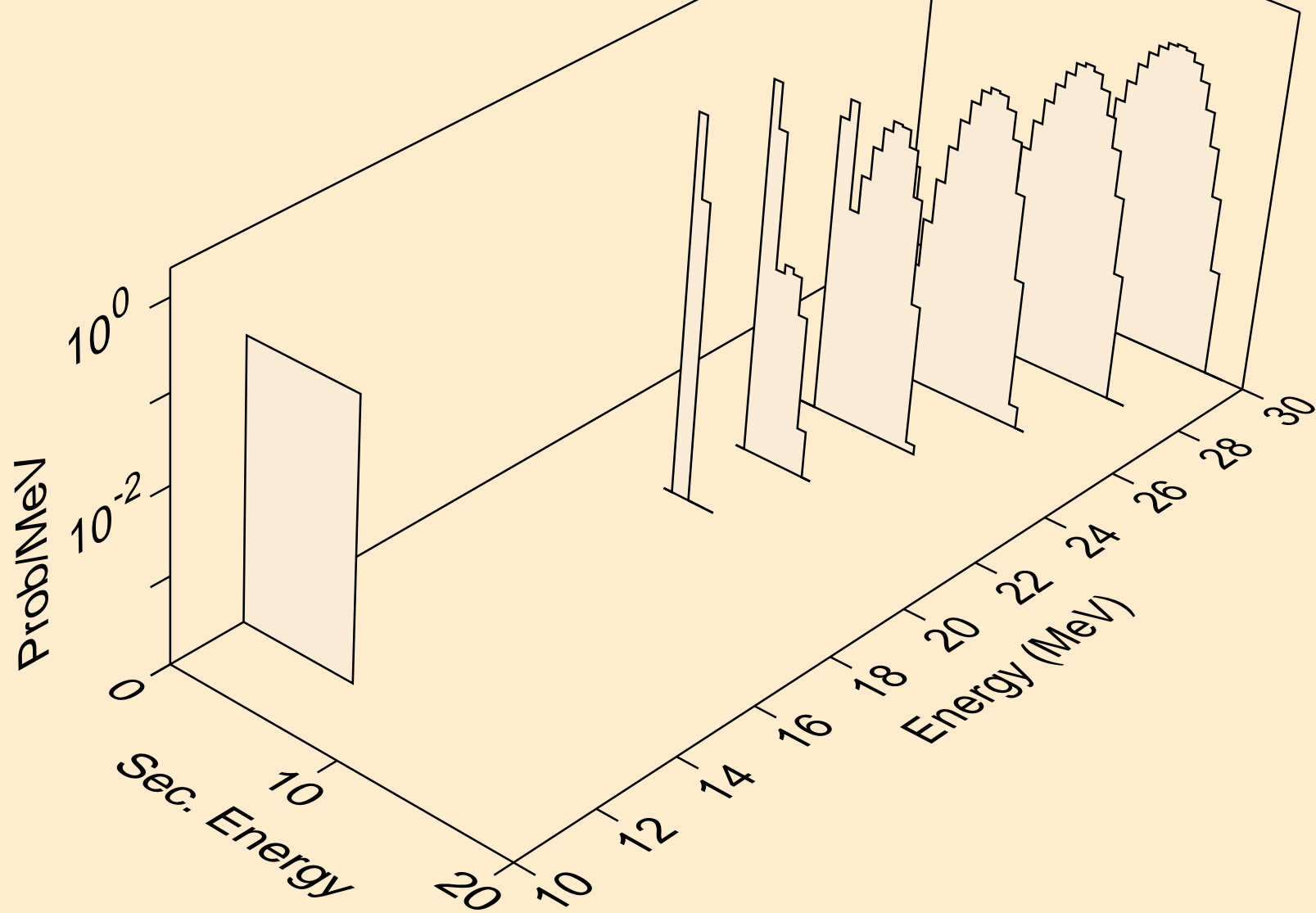
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



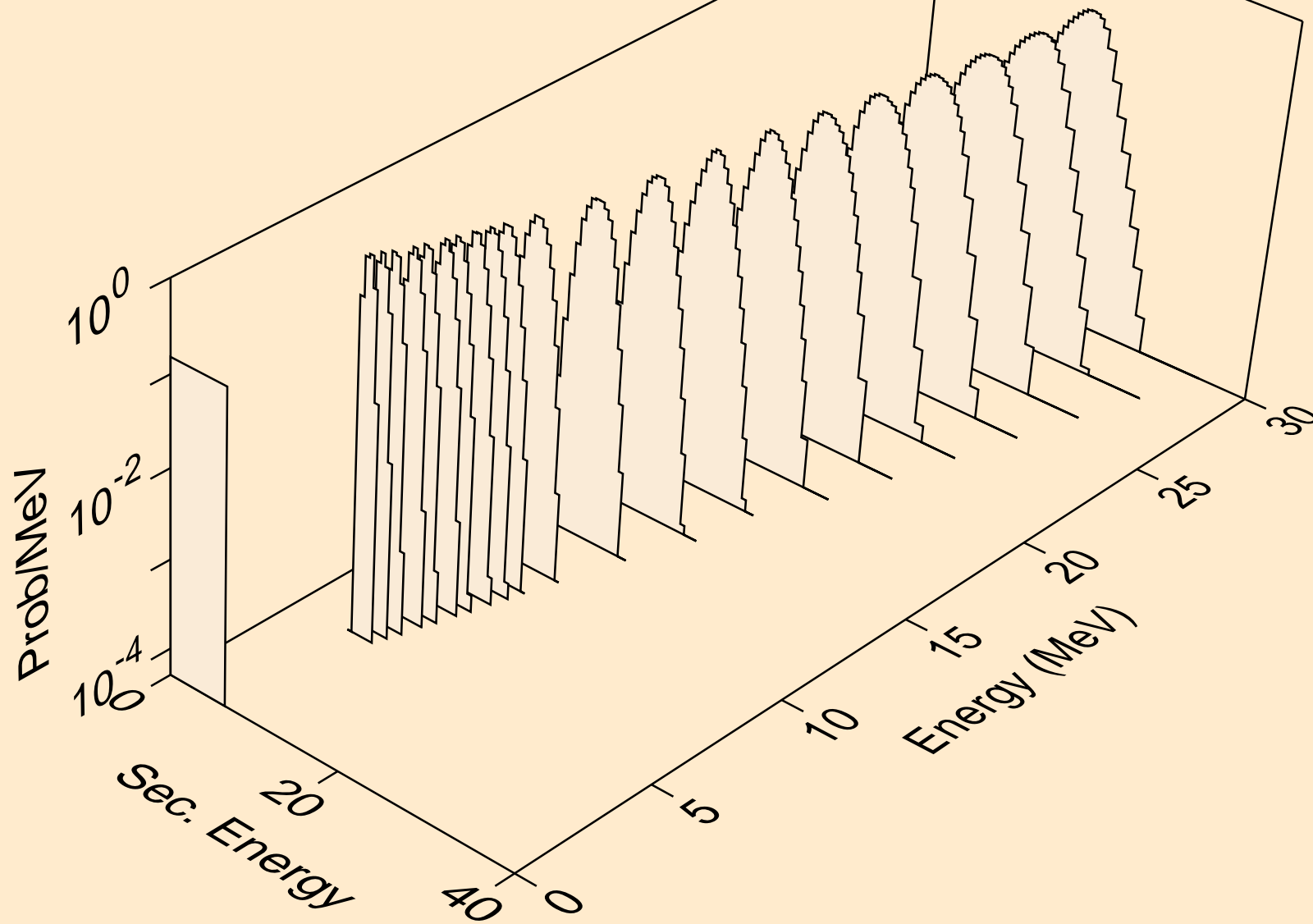
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



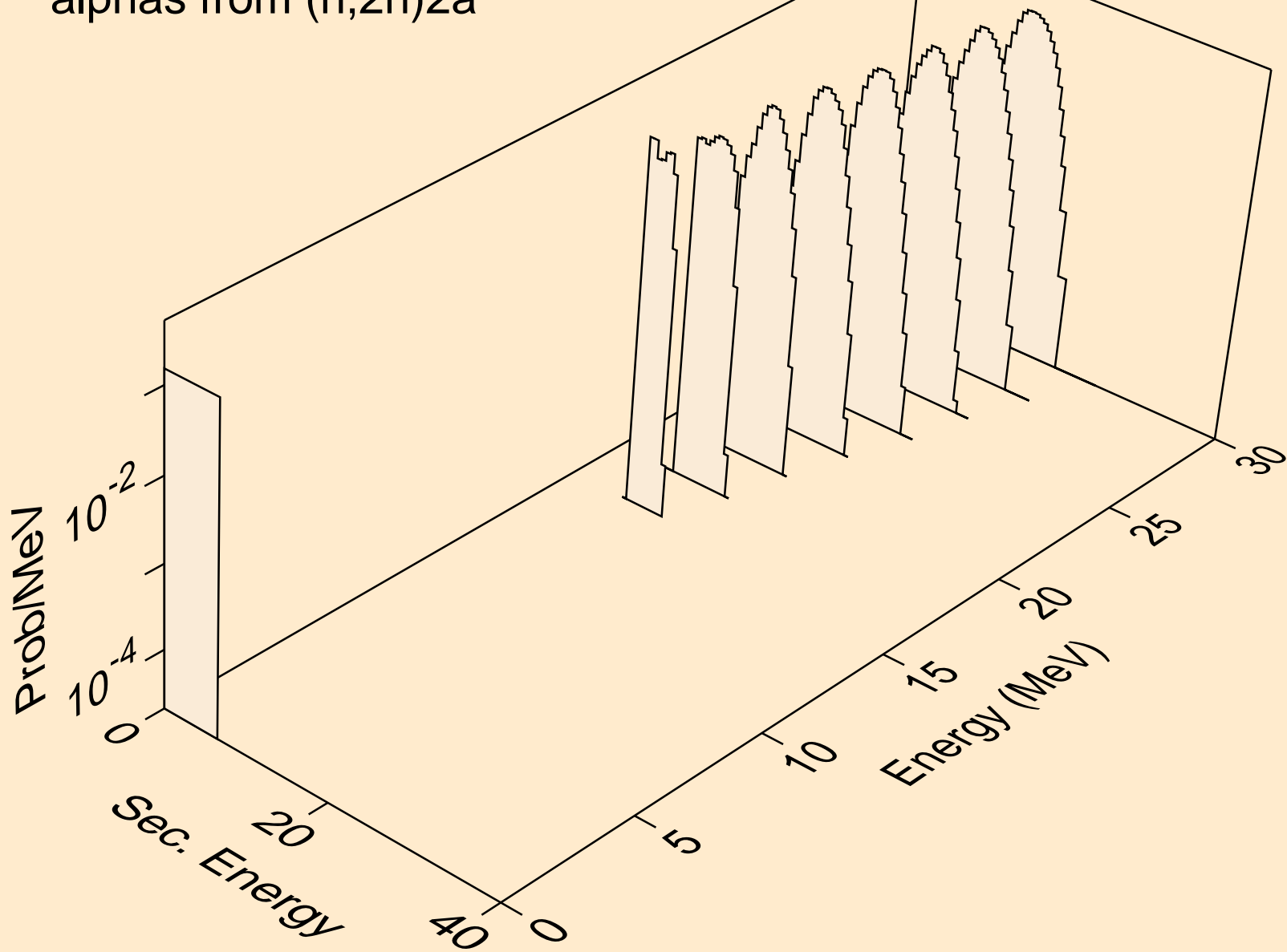
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a



BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)2a

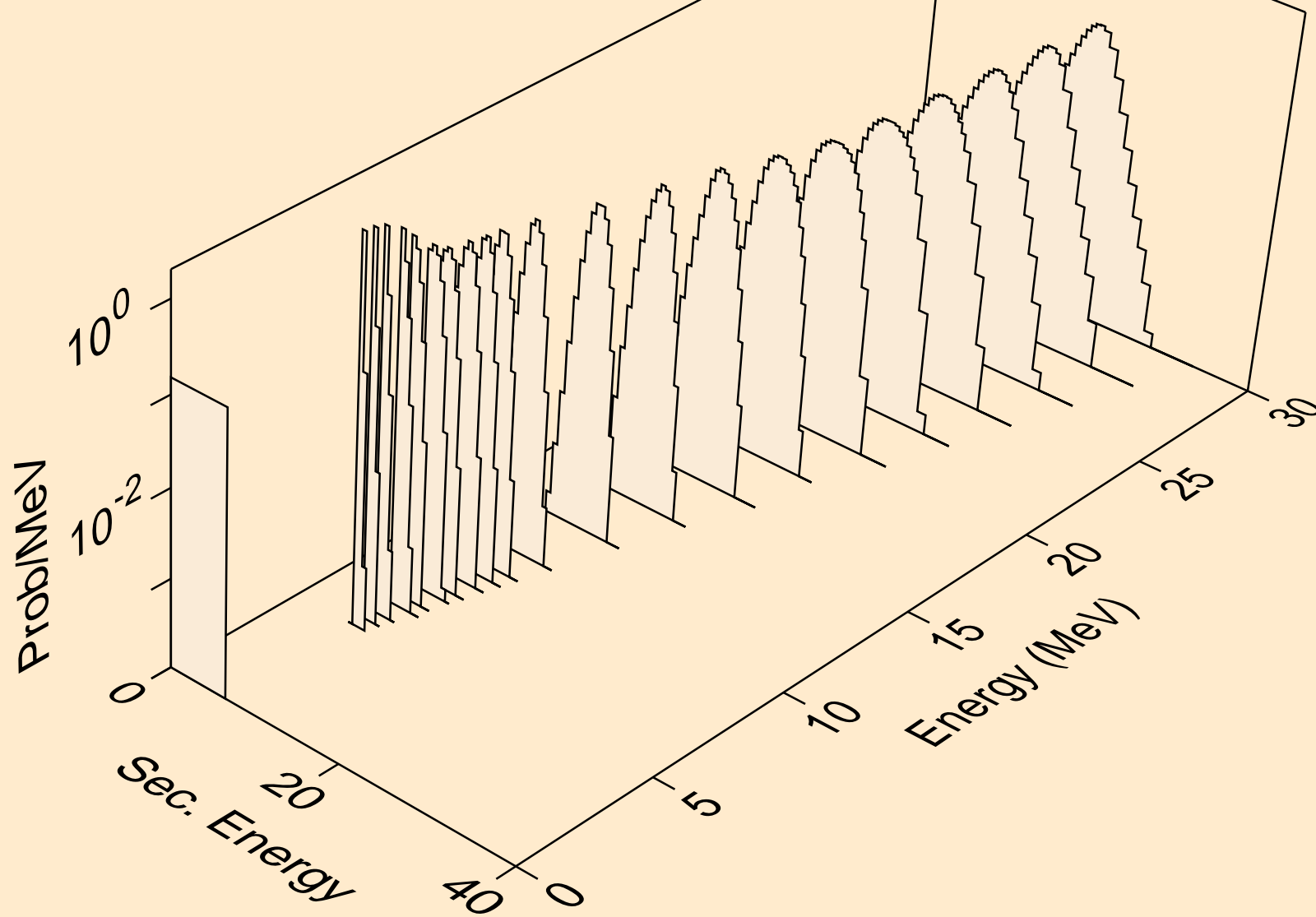


BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)2a

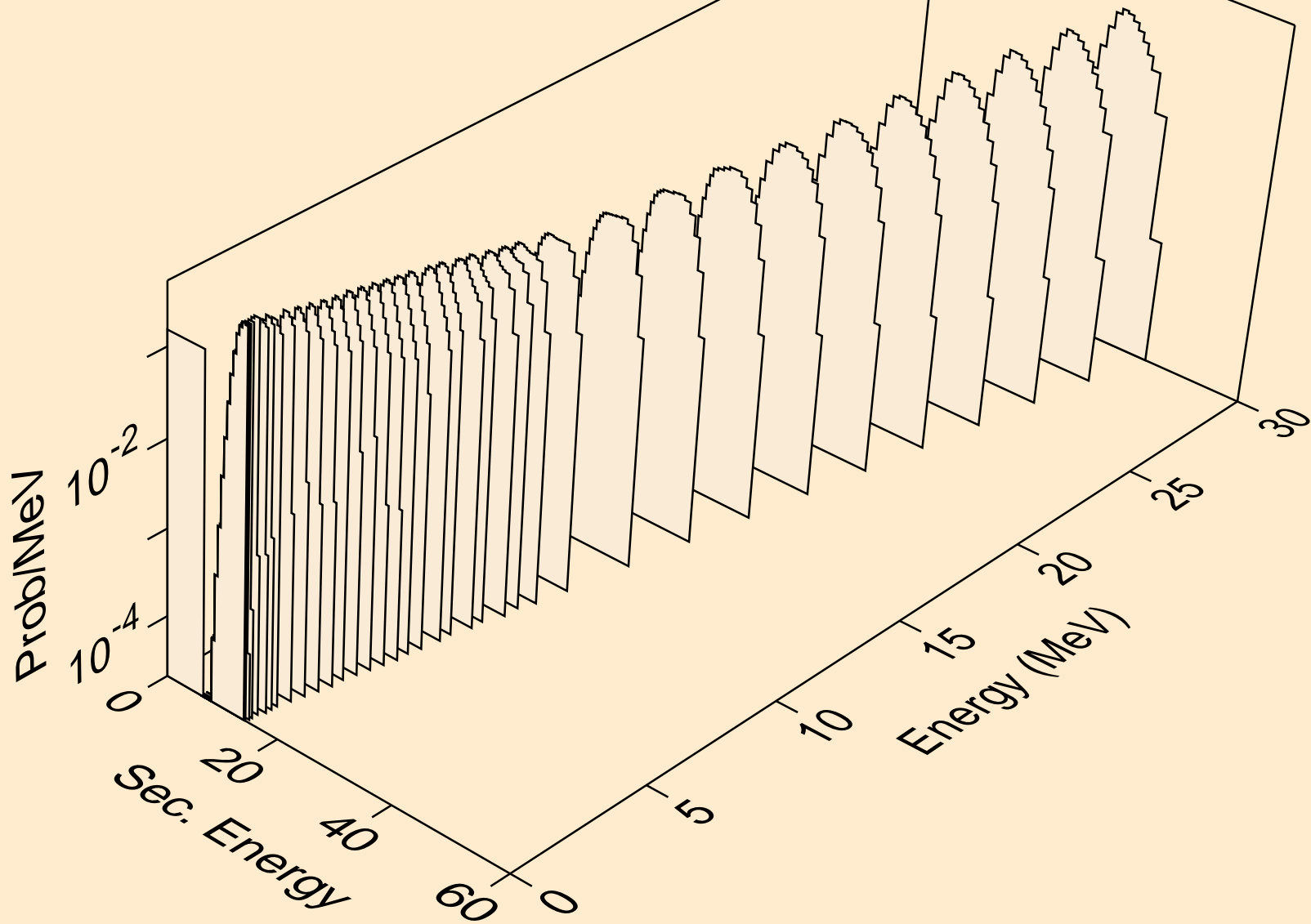




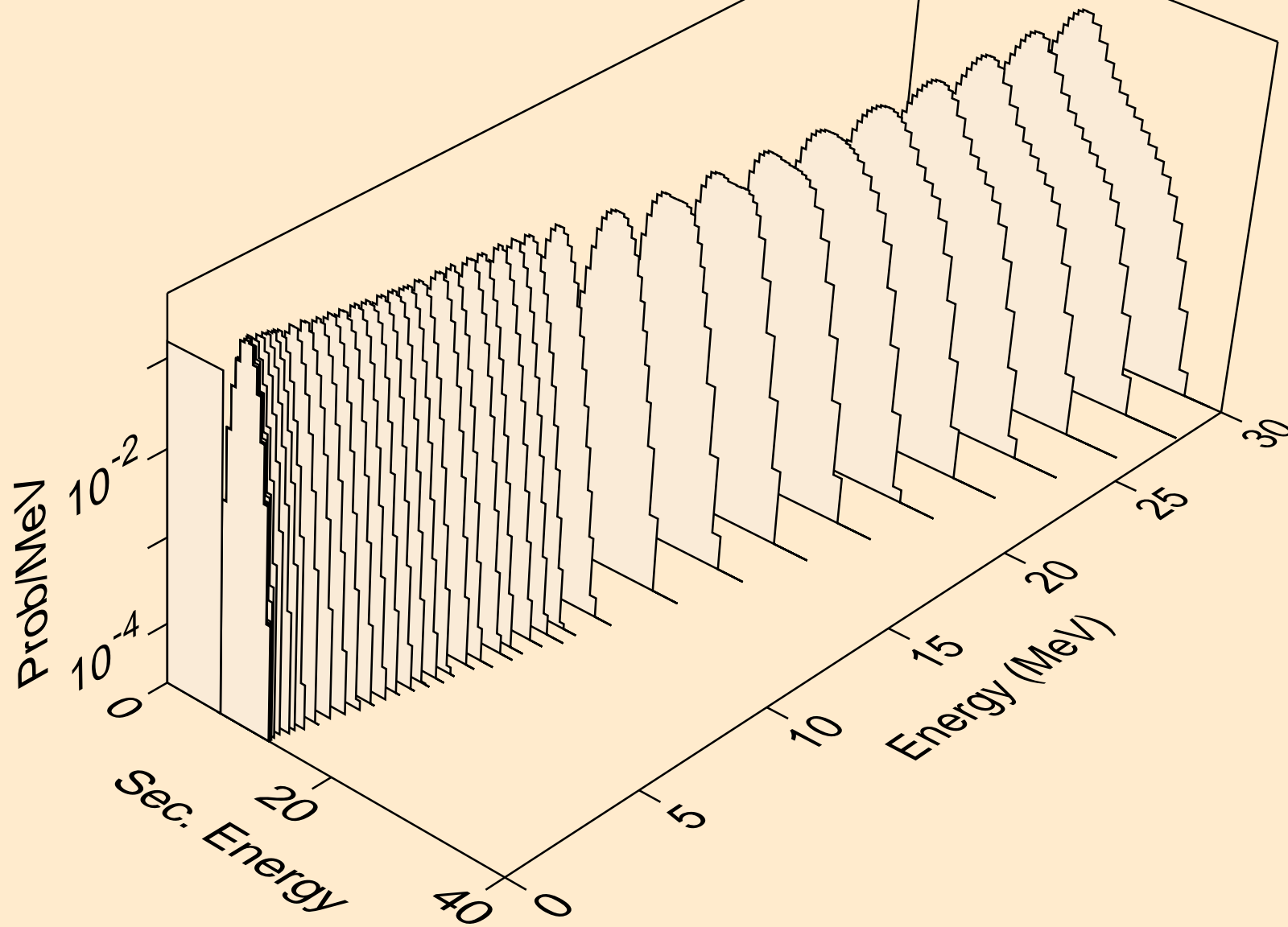
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)



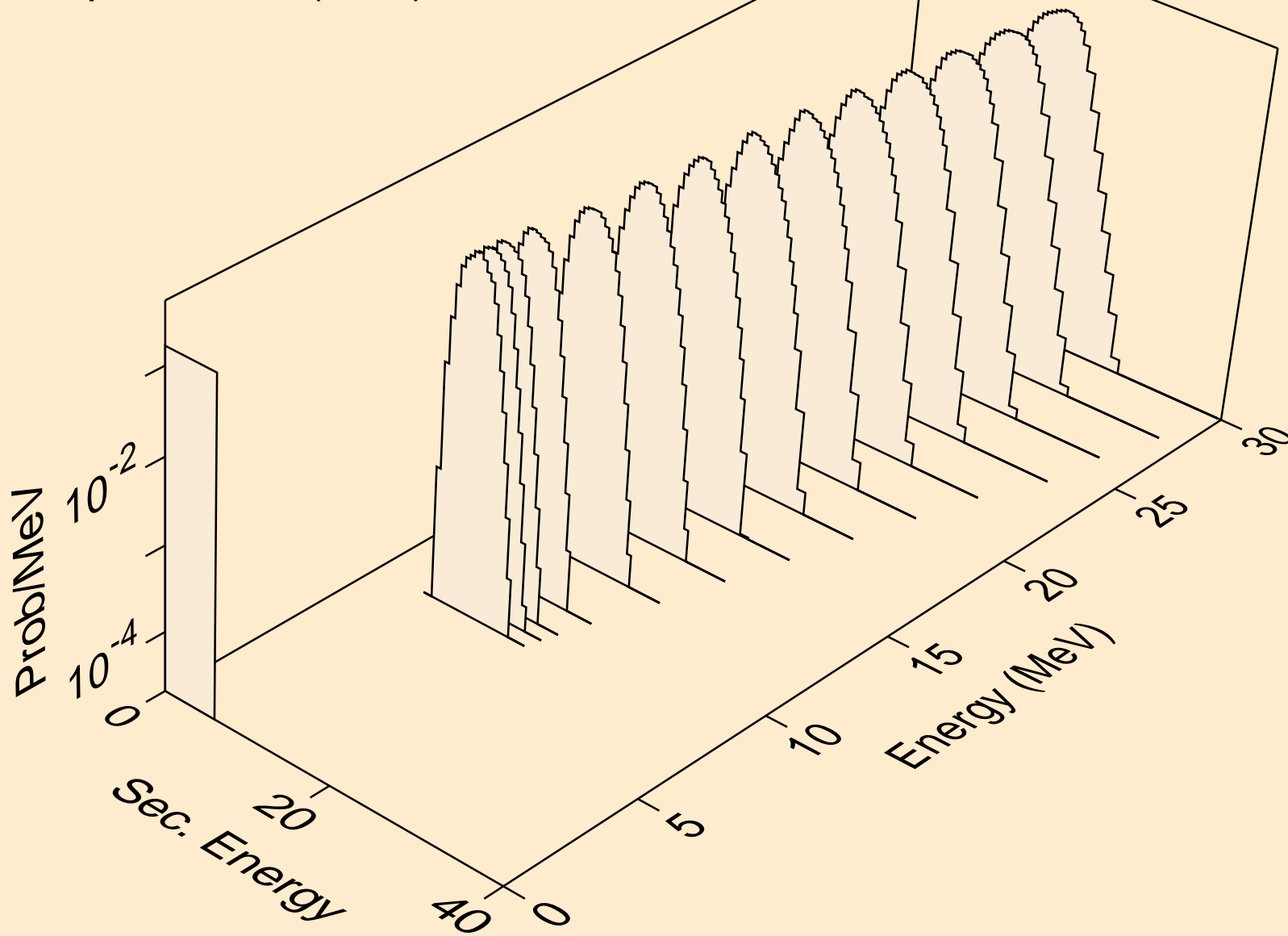
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



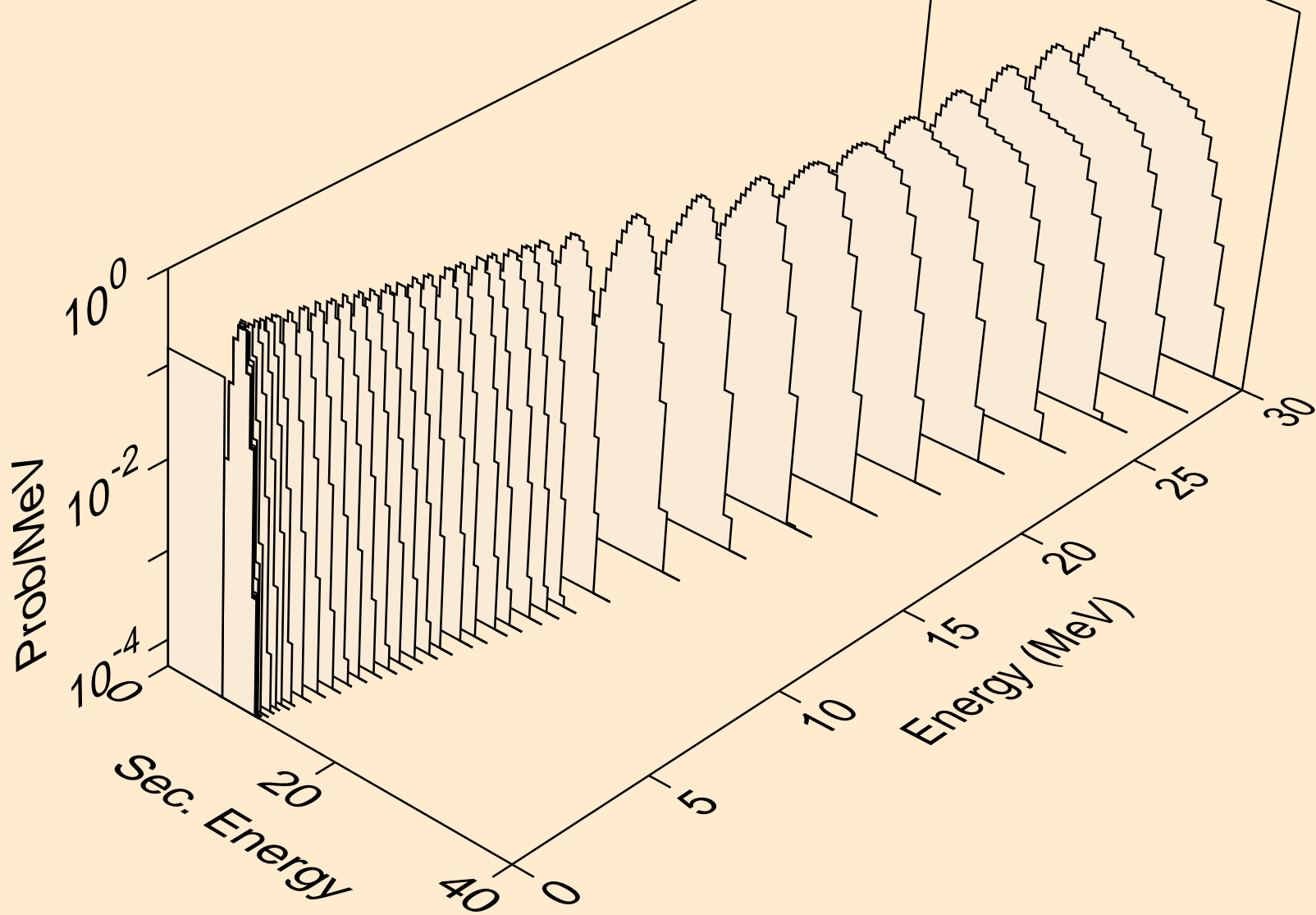
BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3a)



BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



BI193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

