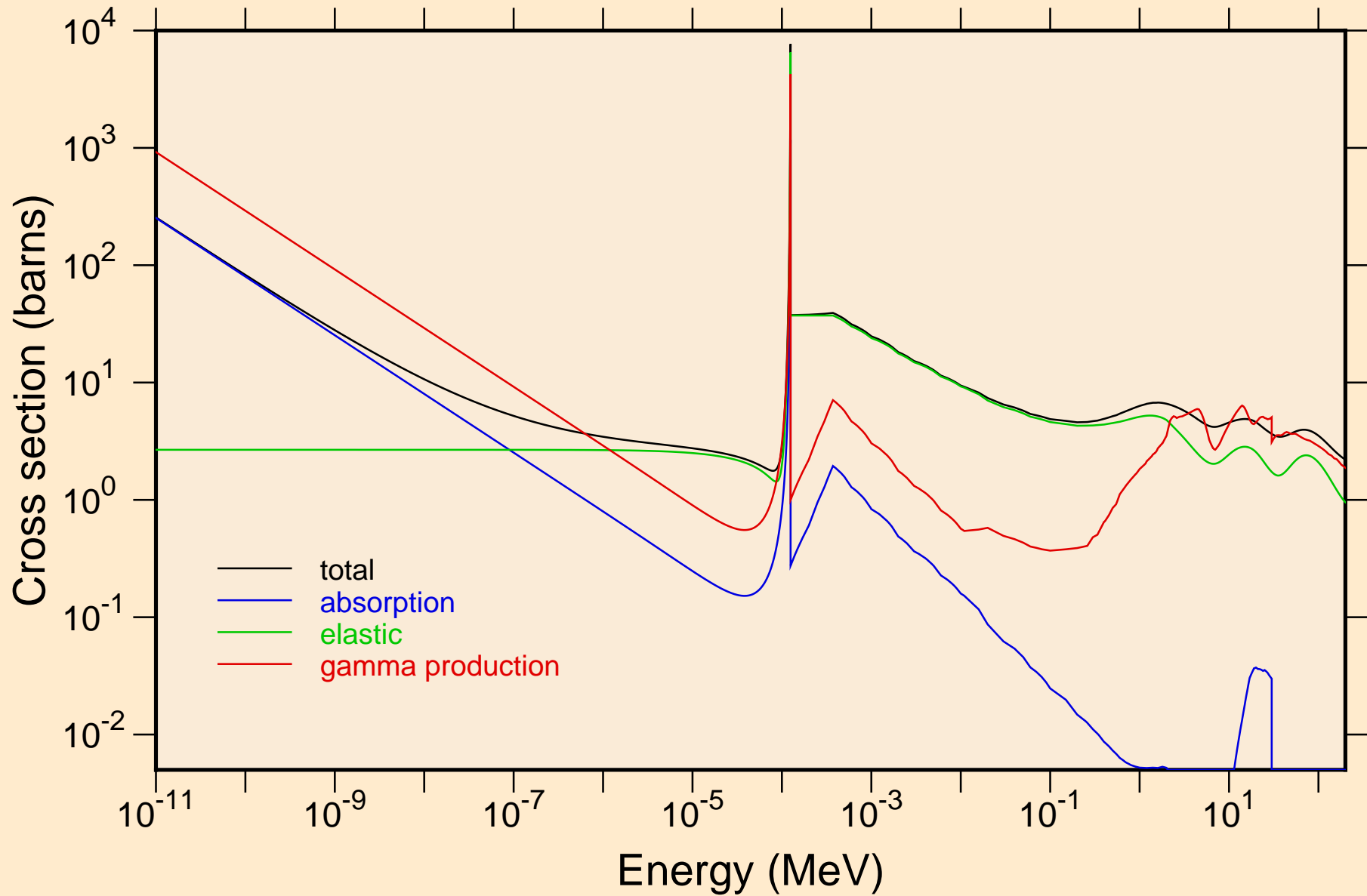


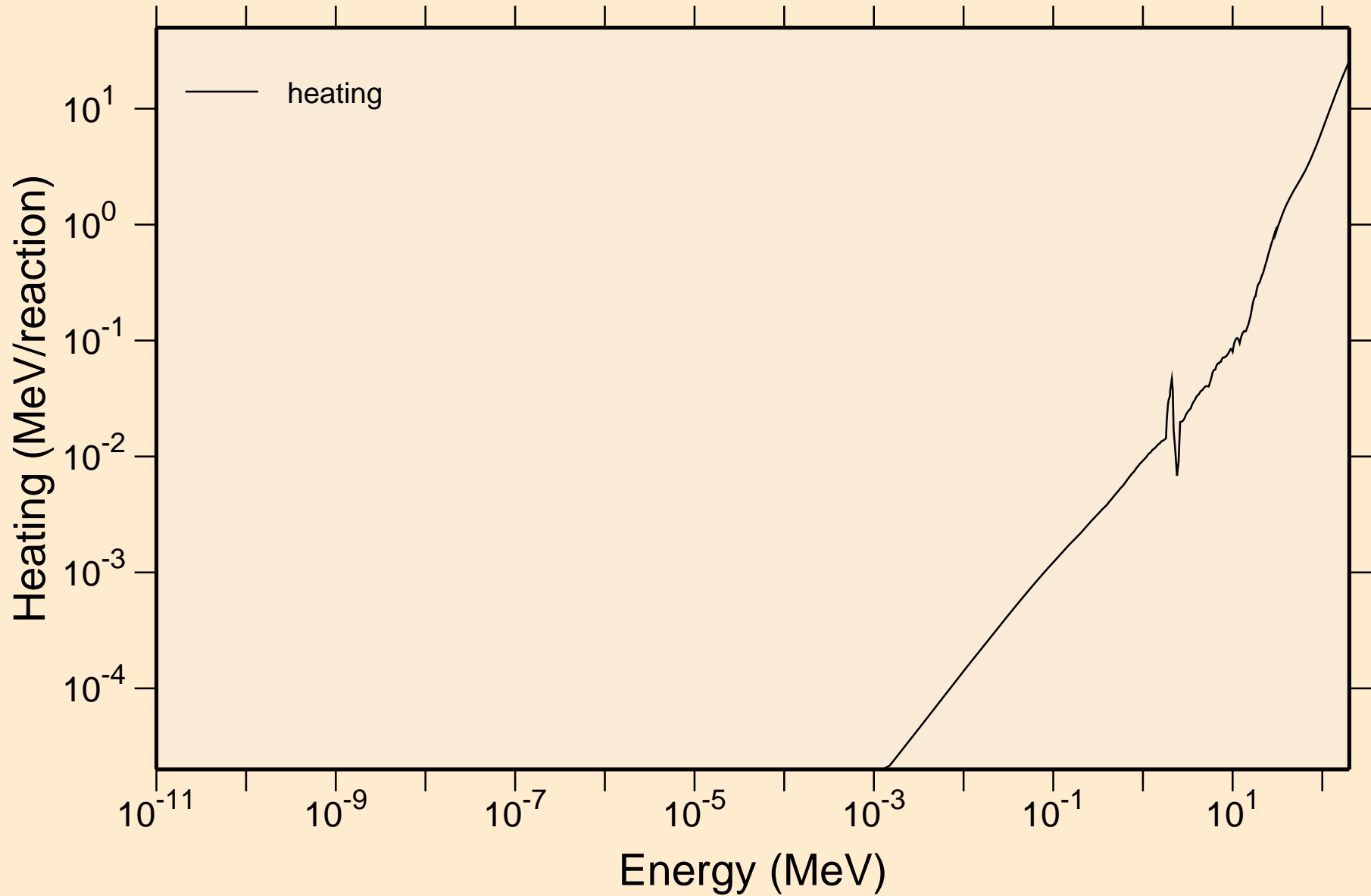
# CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



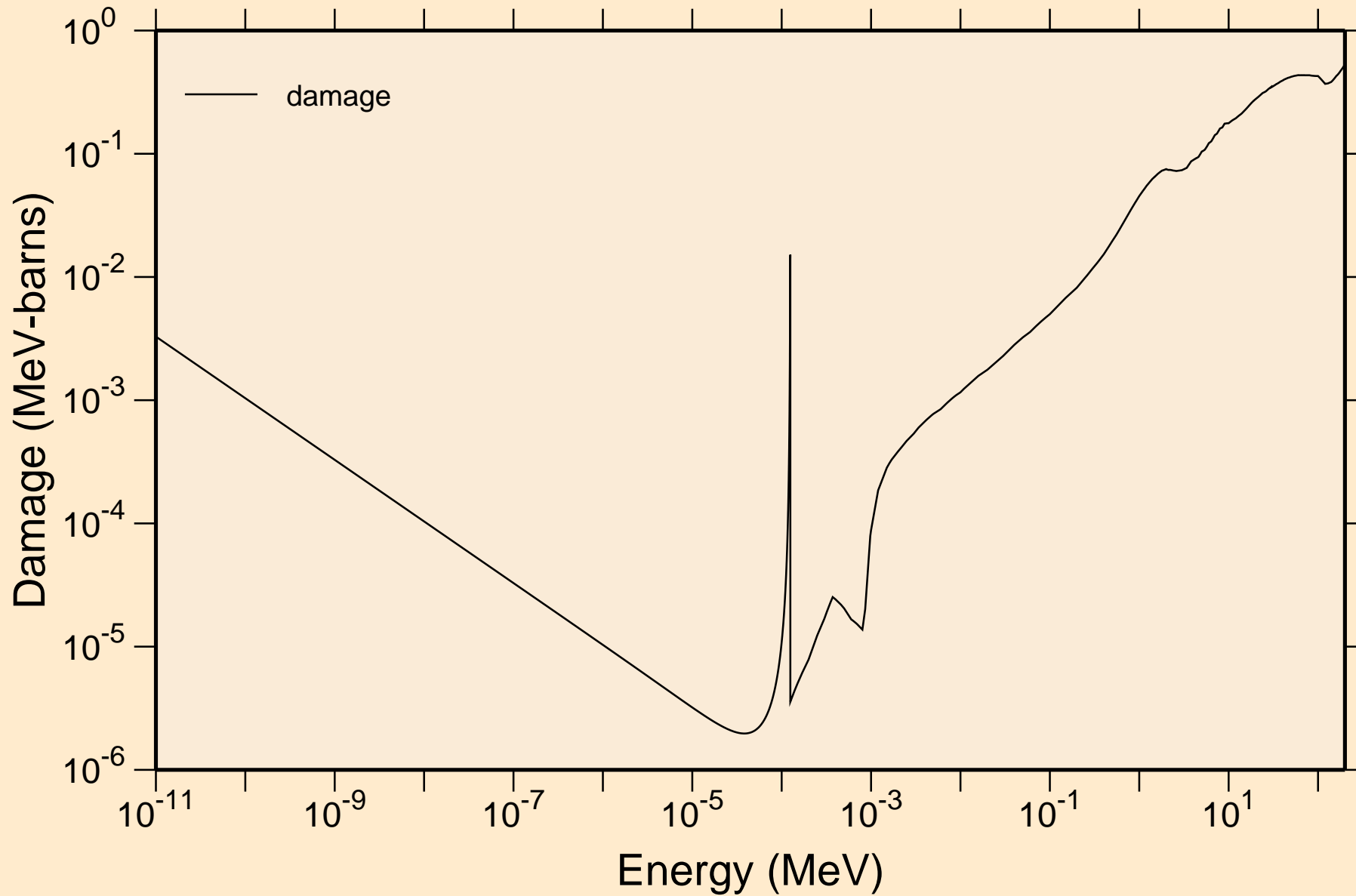
# CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



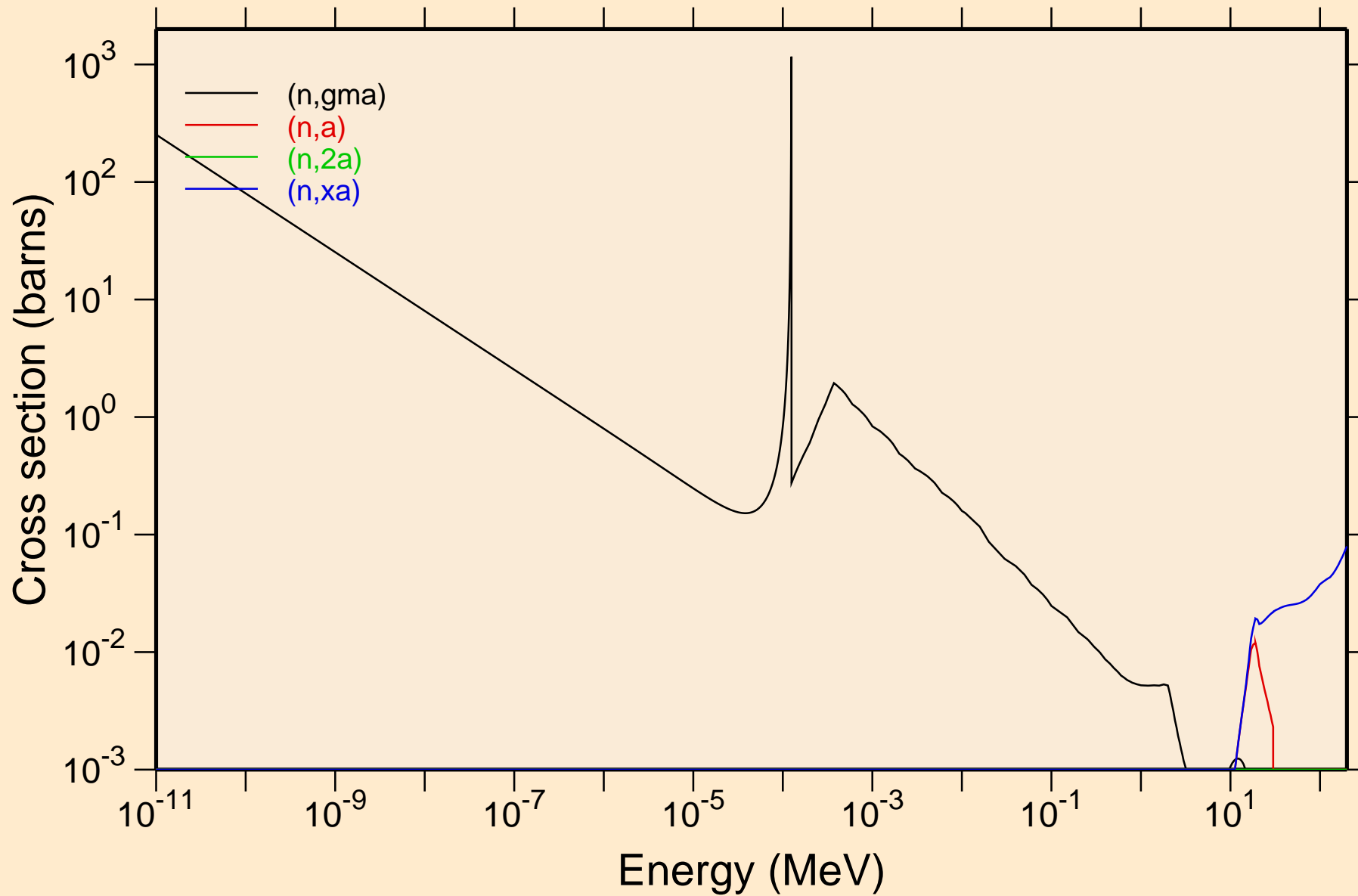
# CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage



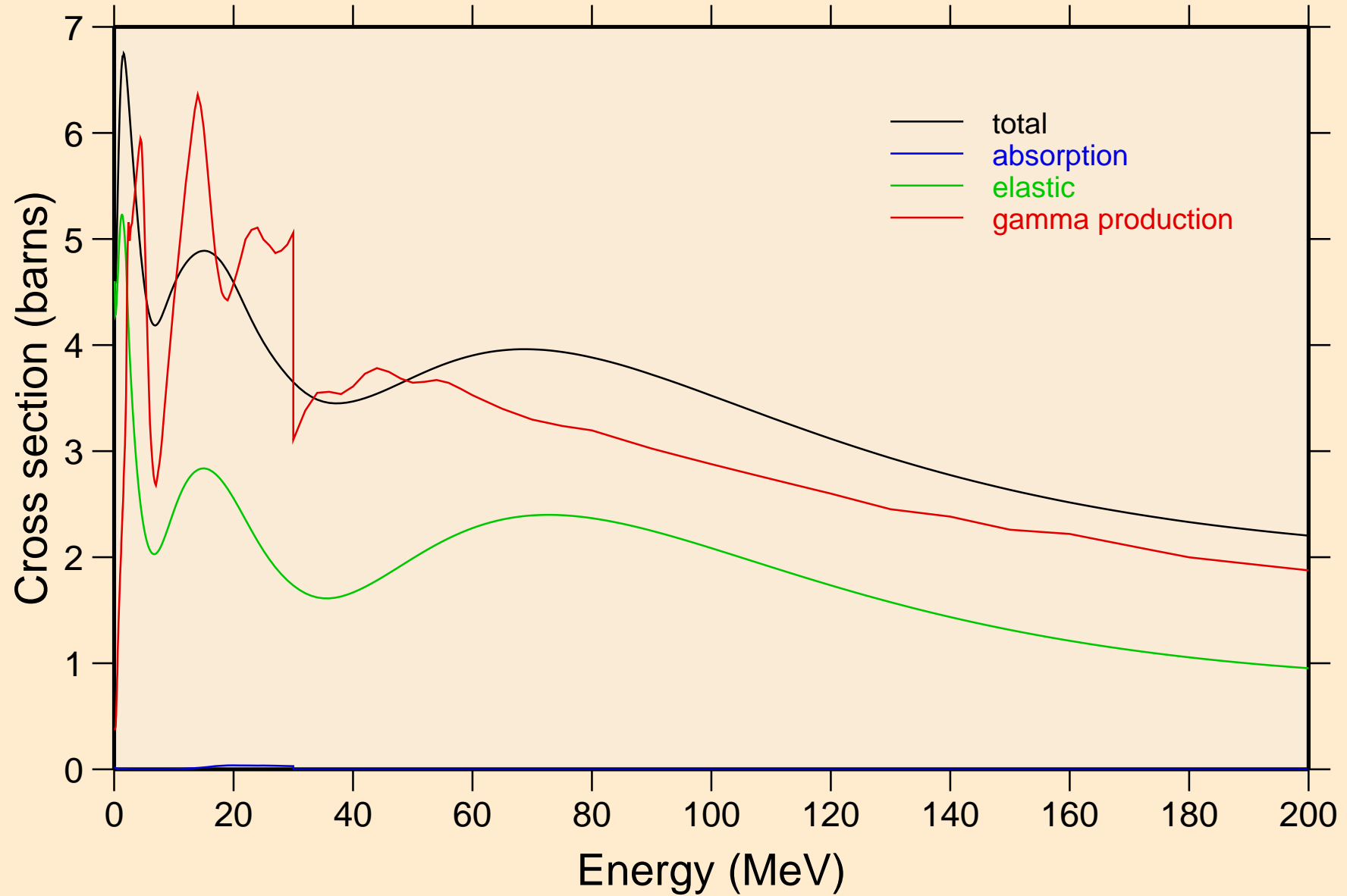
# CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



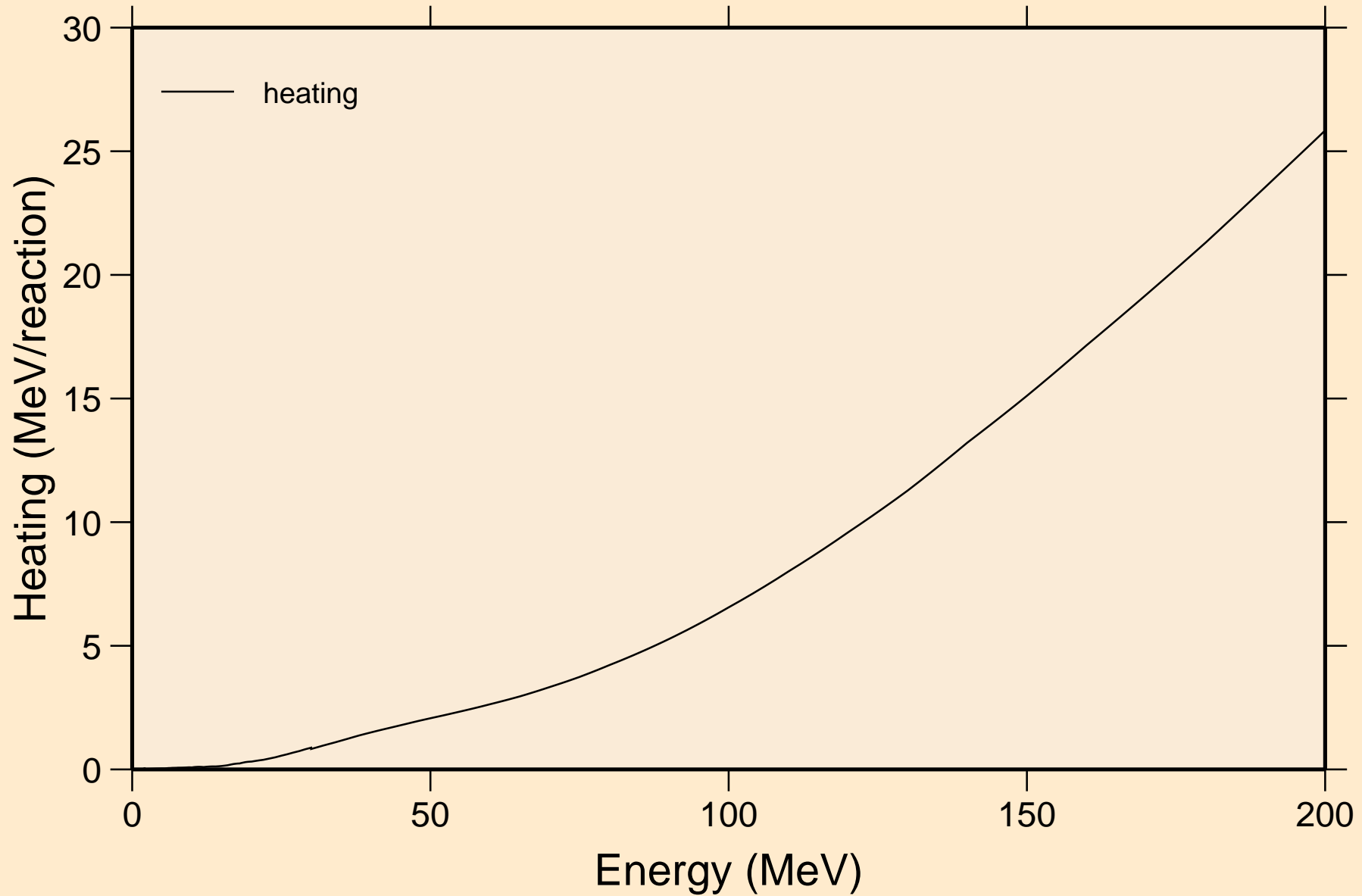
# CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



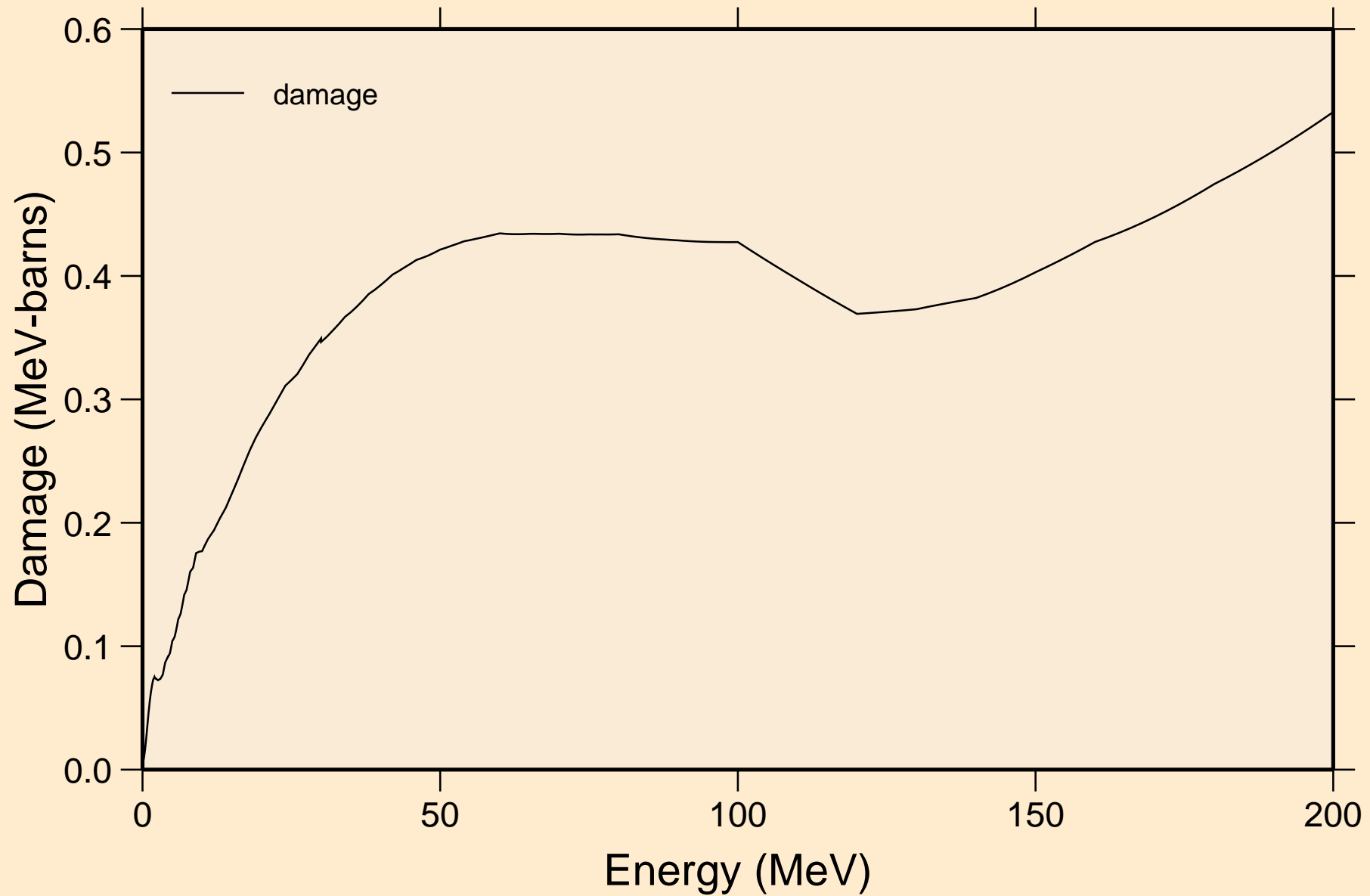
# CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



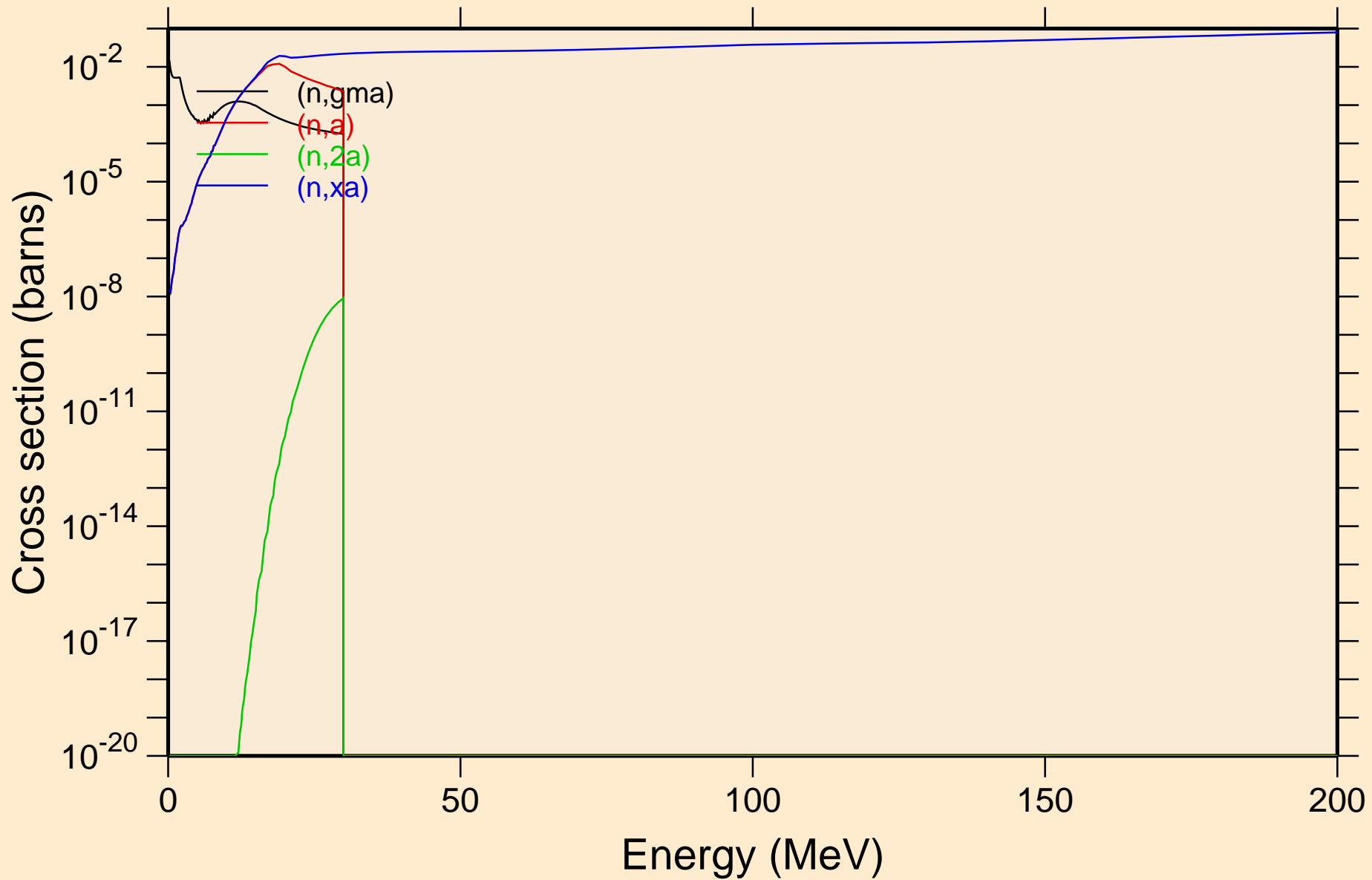
# CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage



# CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

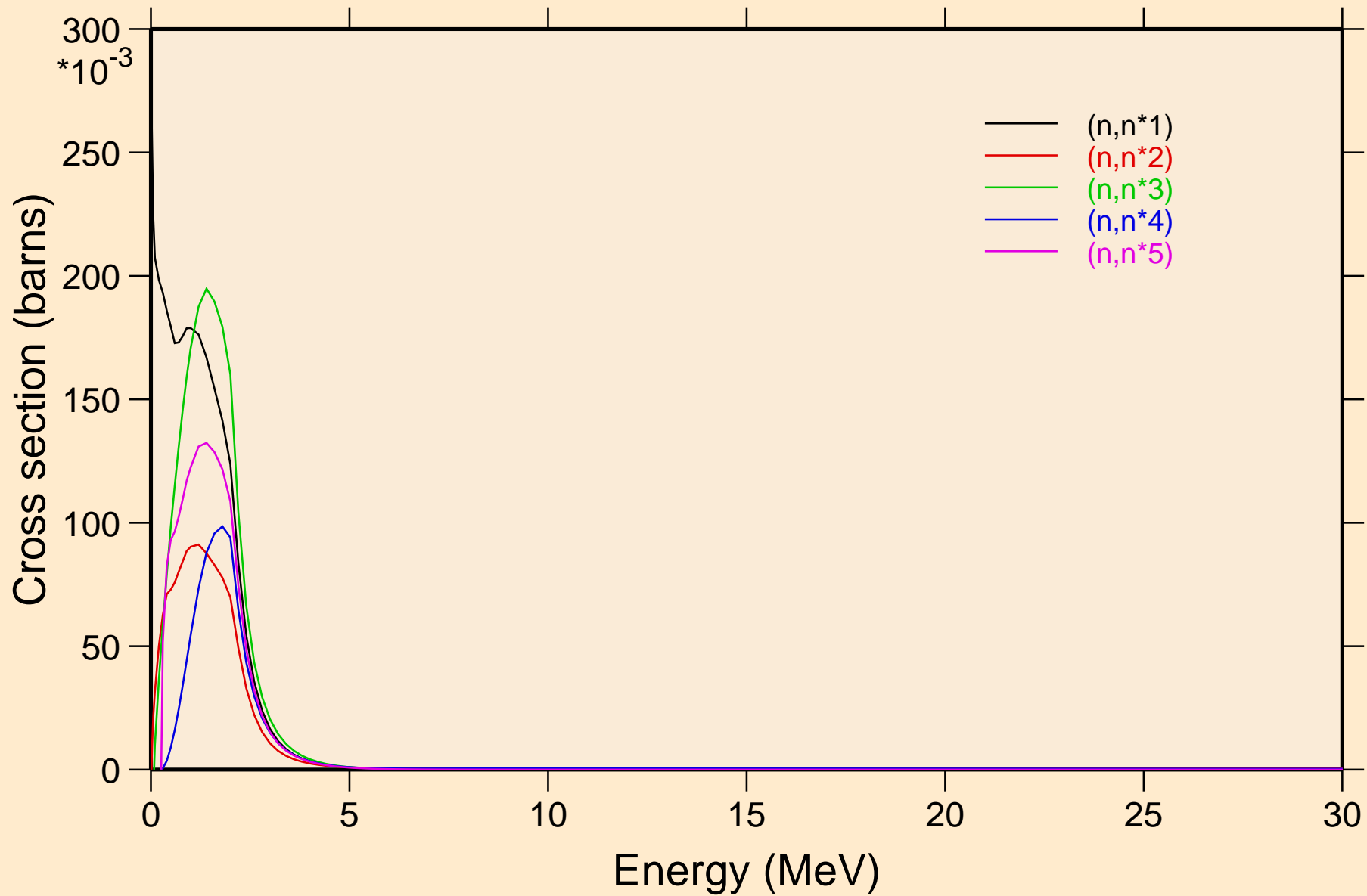
## Non-threshold reactions





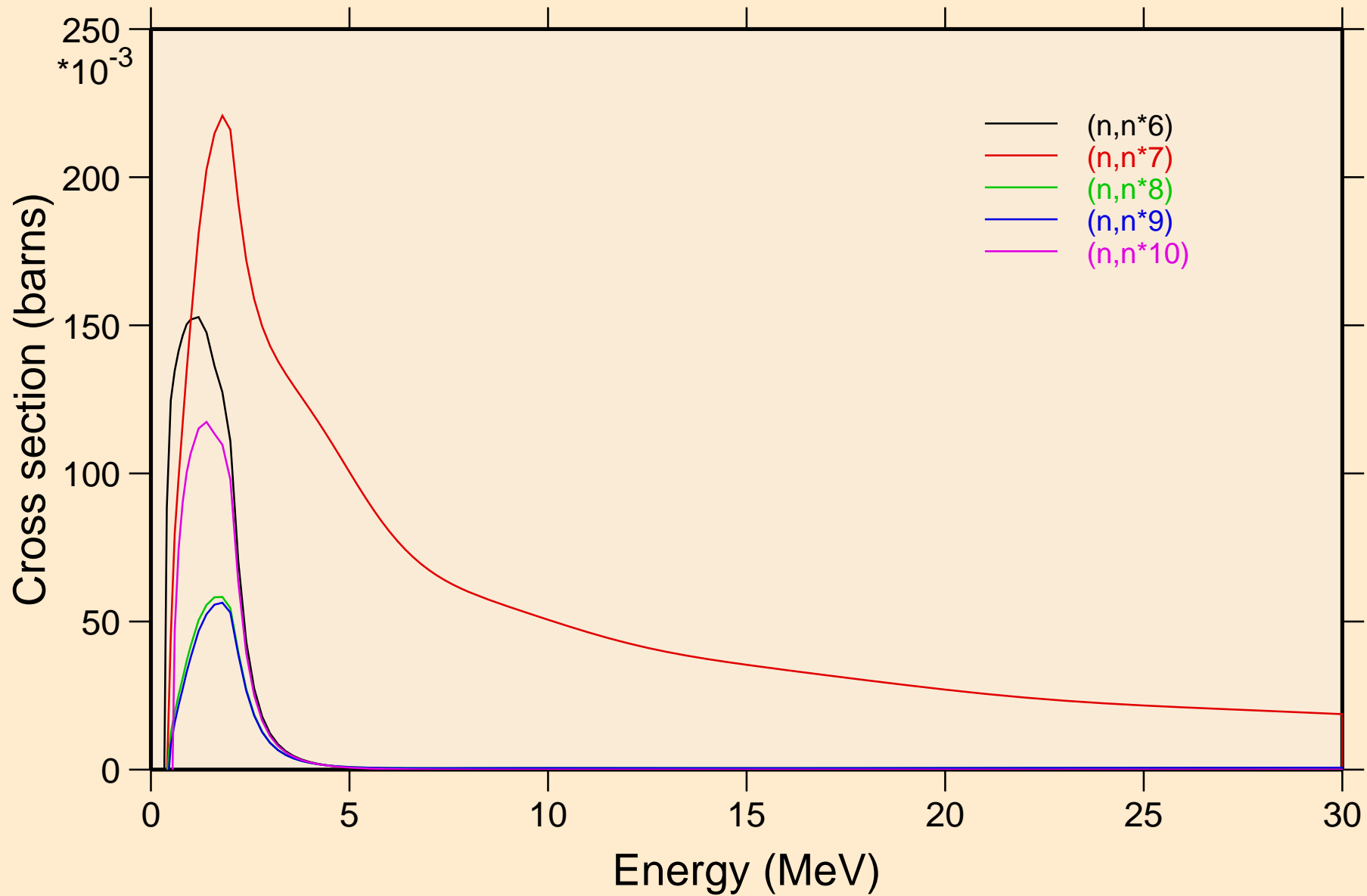
# CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



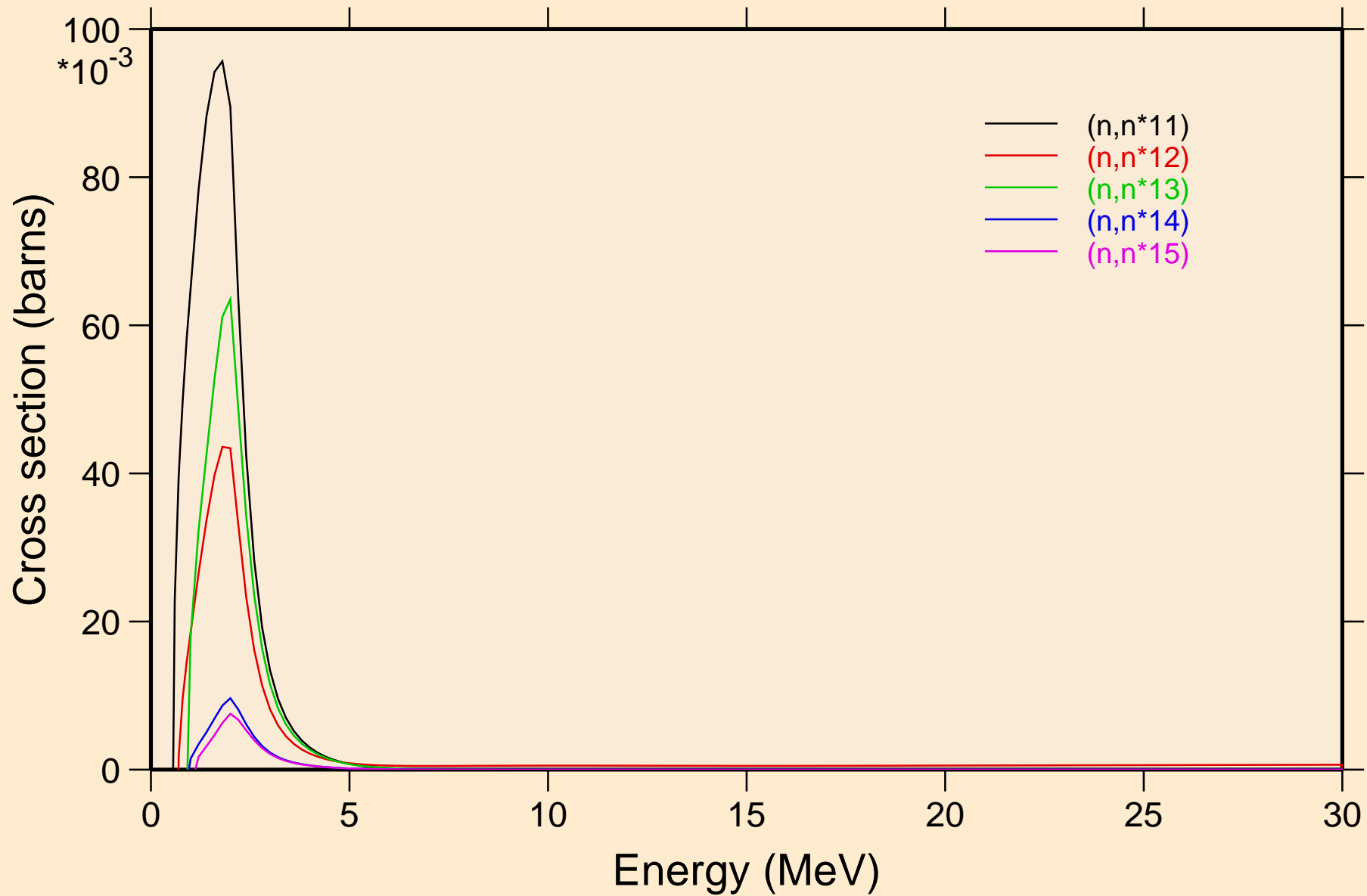
# CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



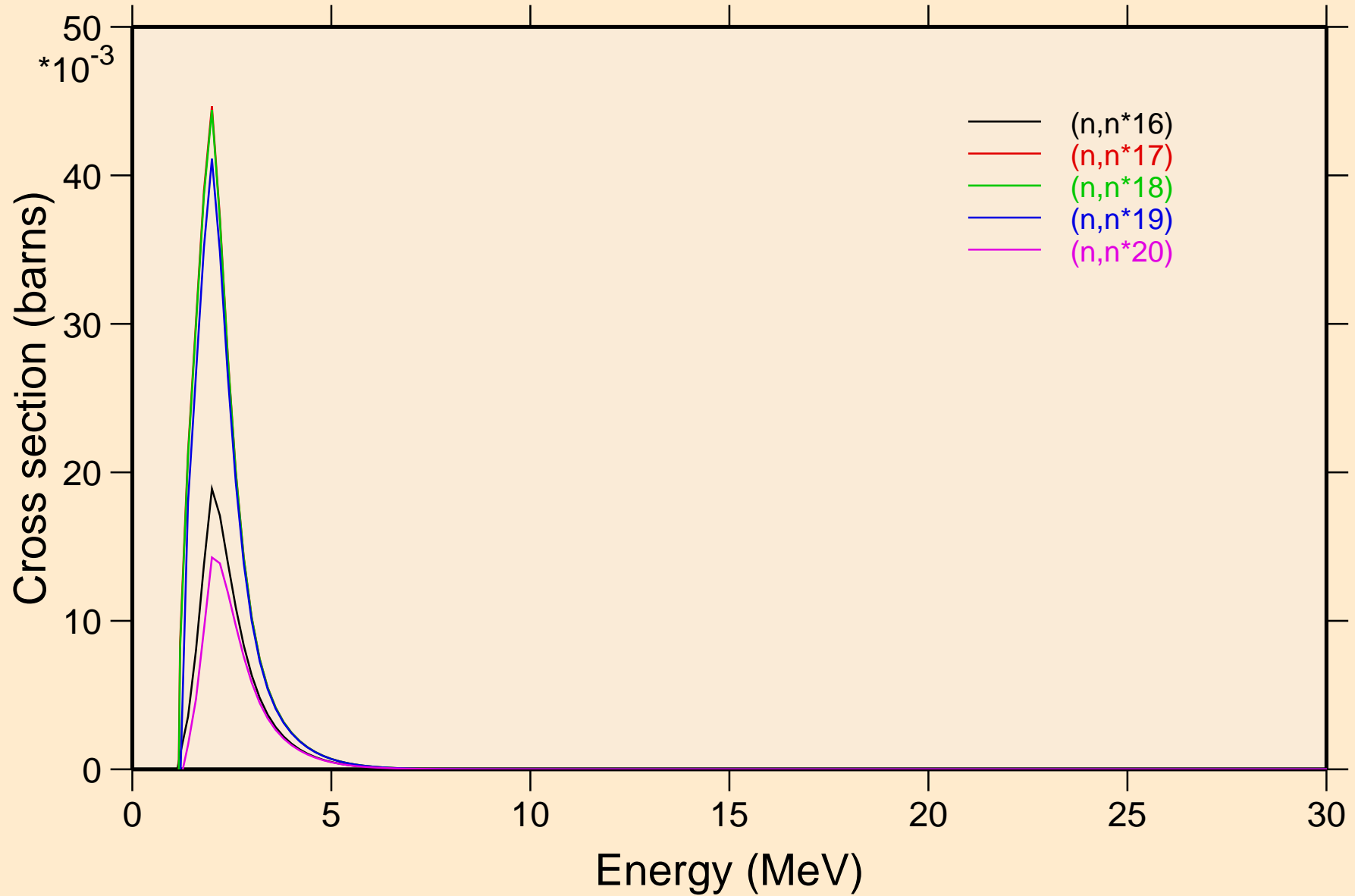
# CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels

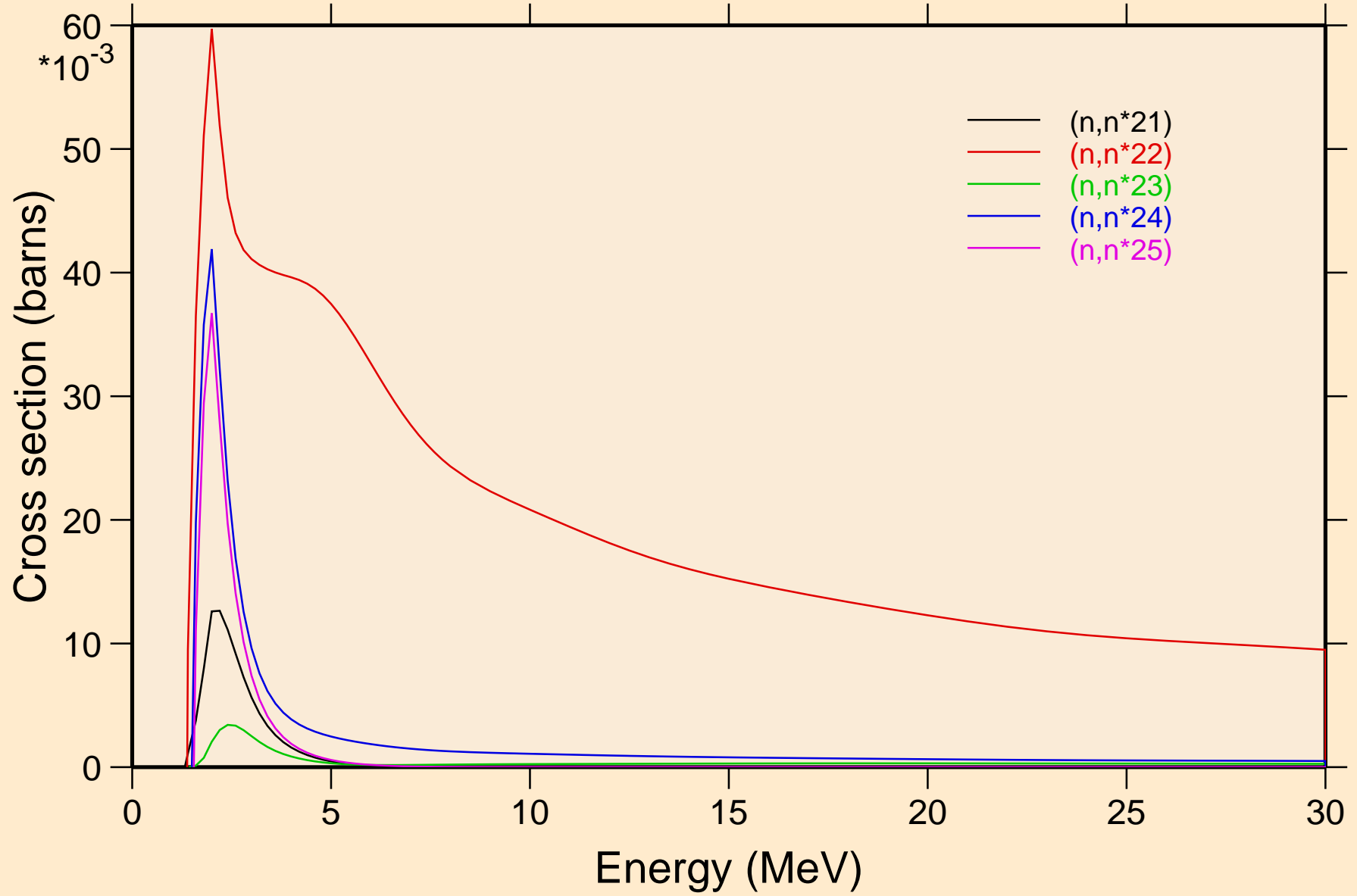


# CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

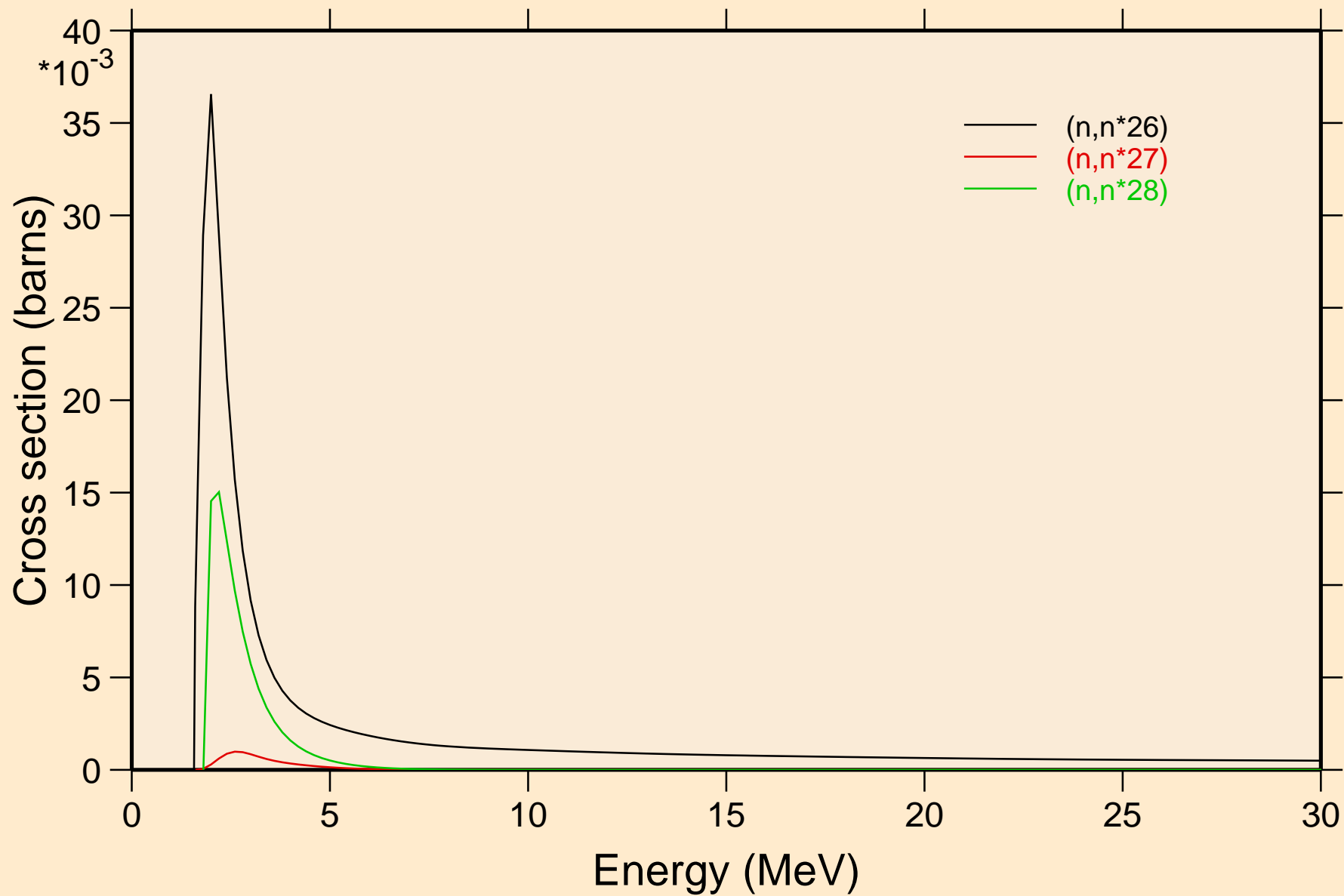
## Inelastic levels



CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

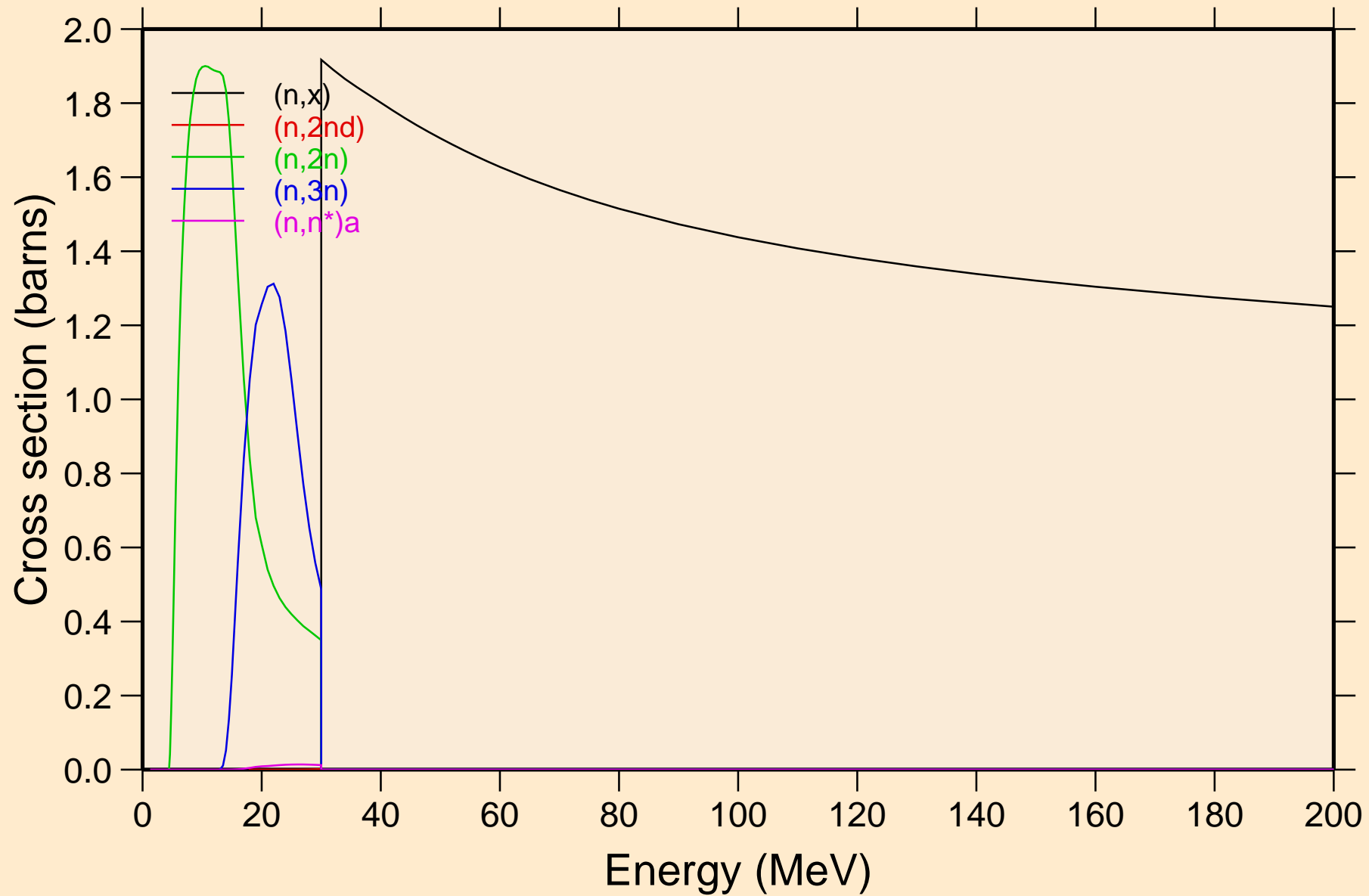


CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



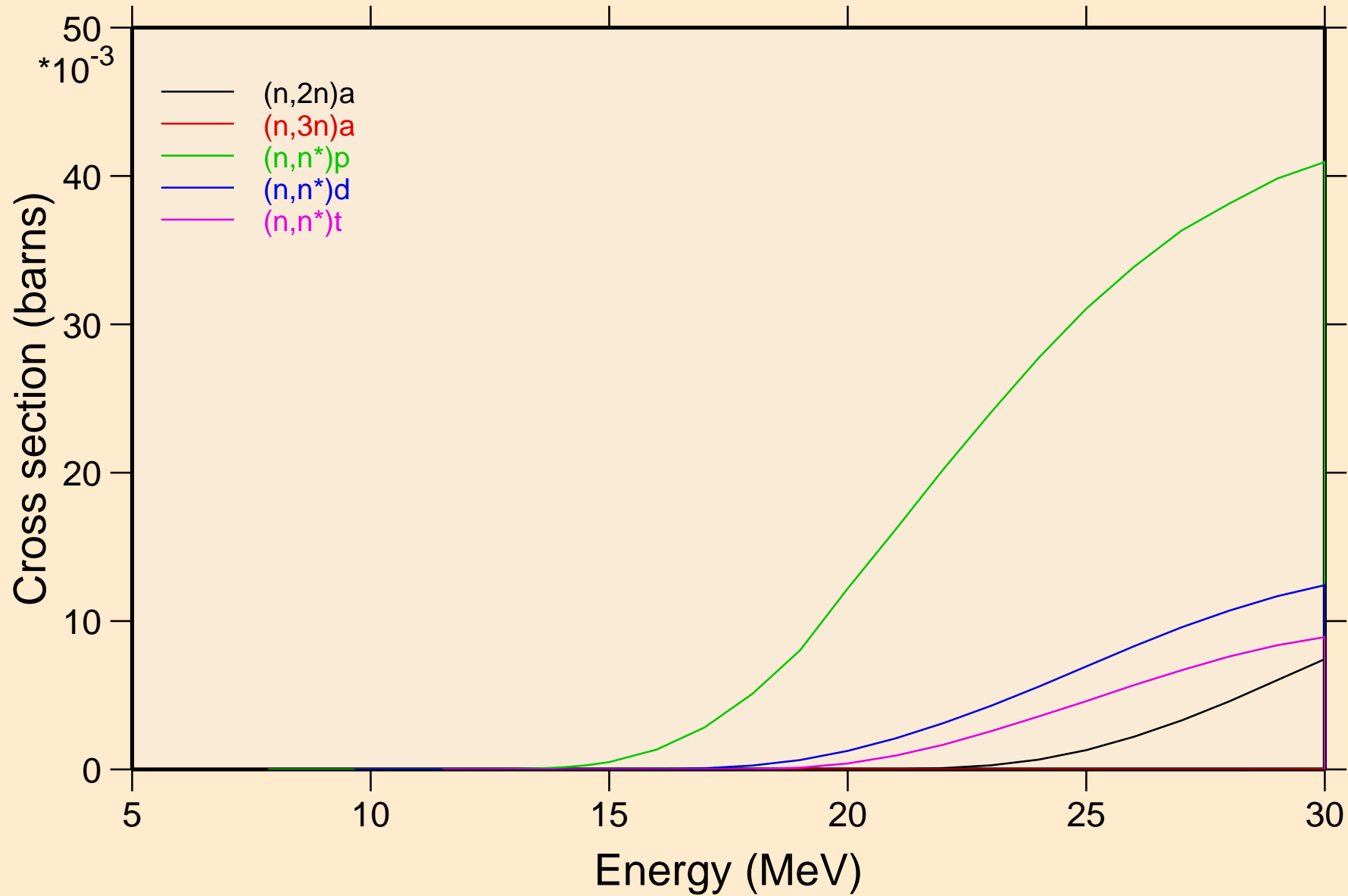
# CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



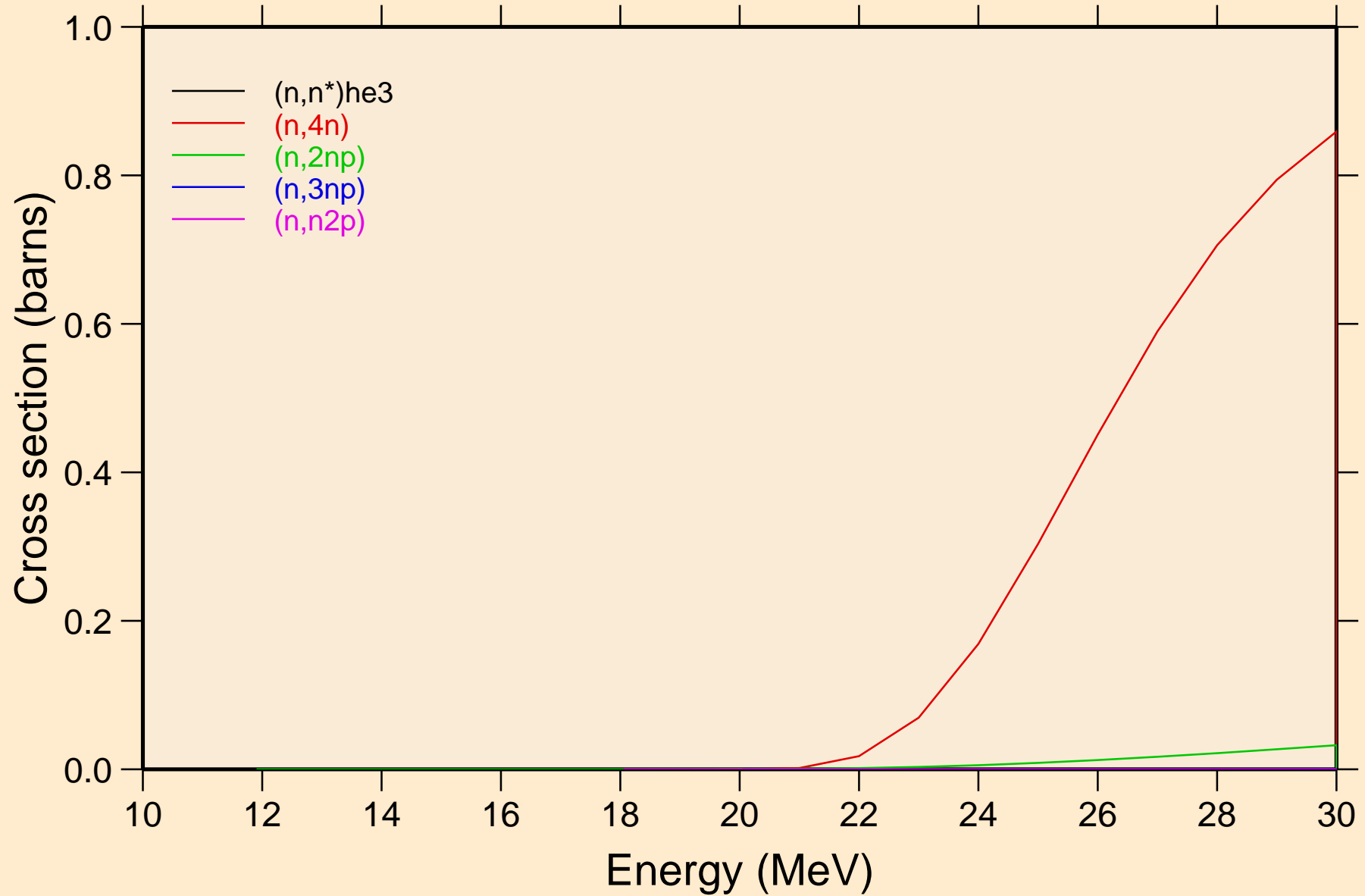
# CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



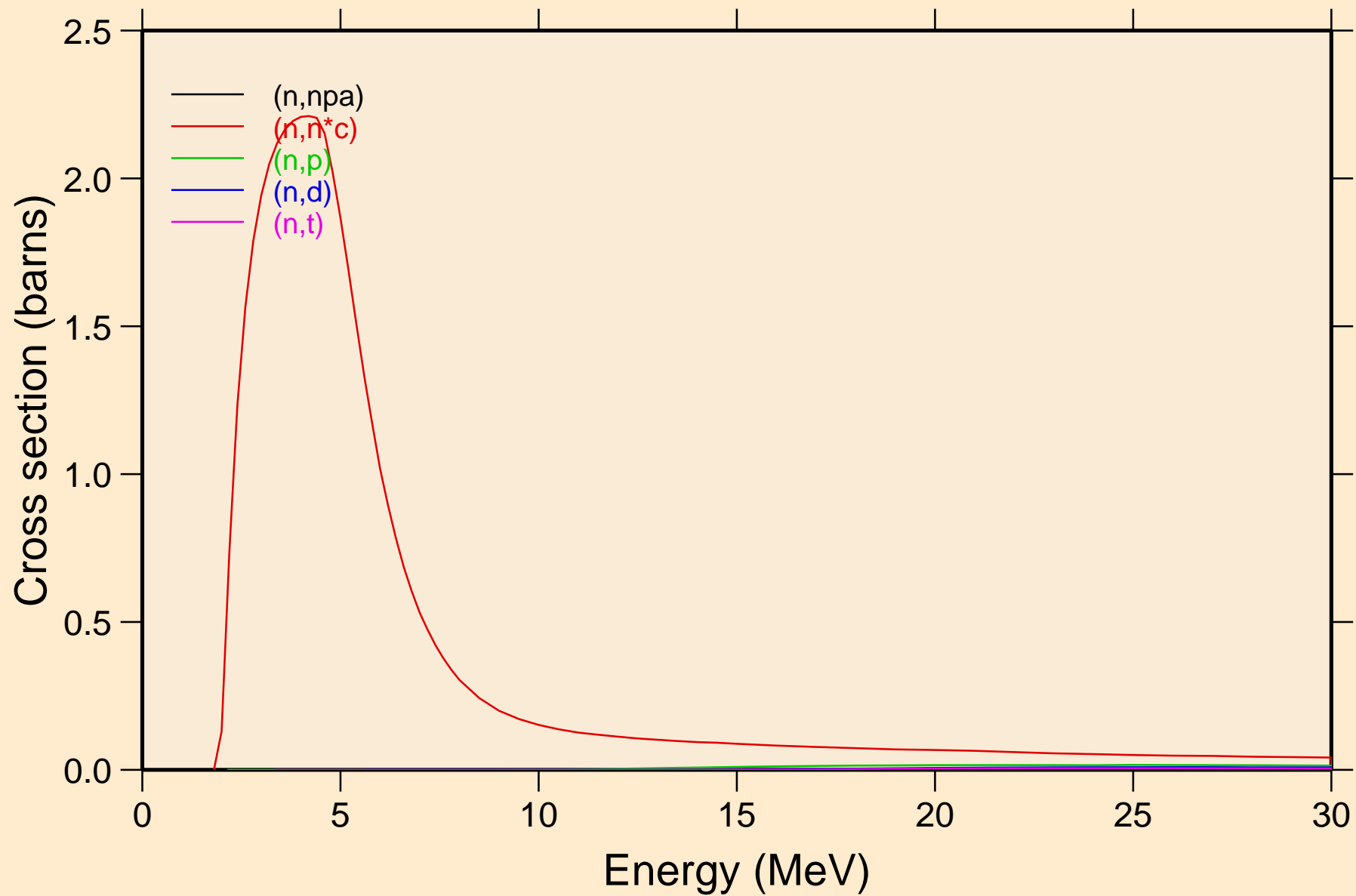


CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



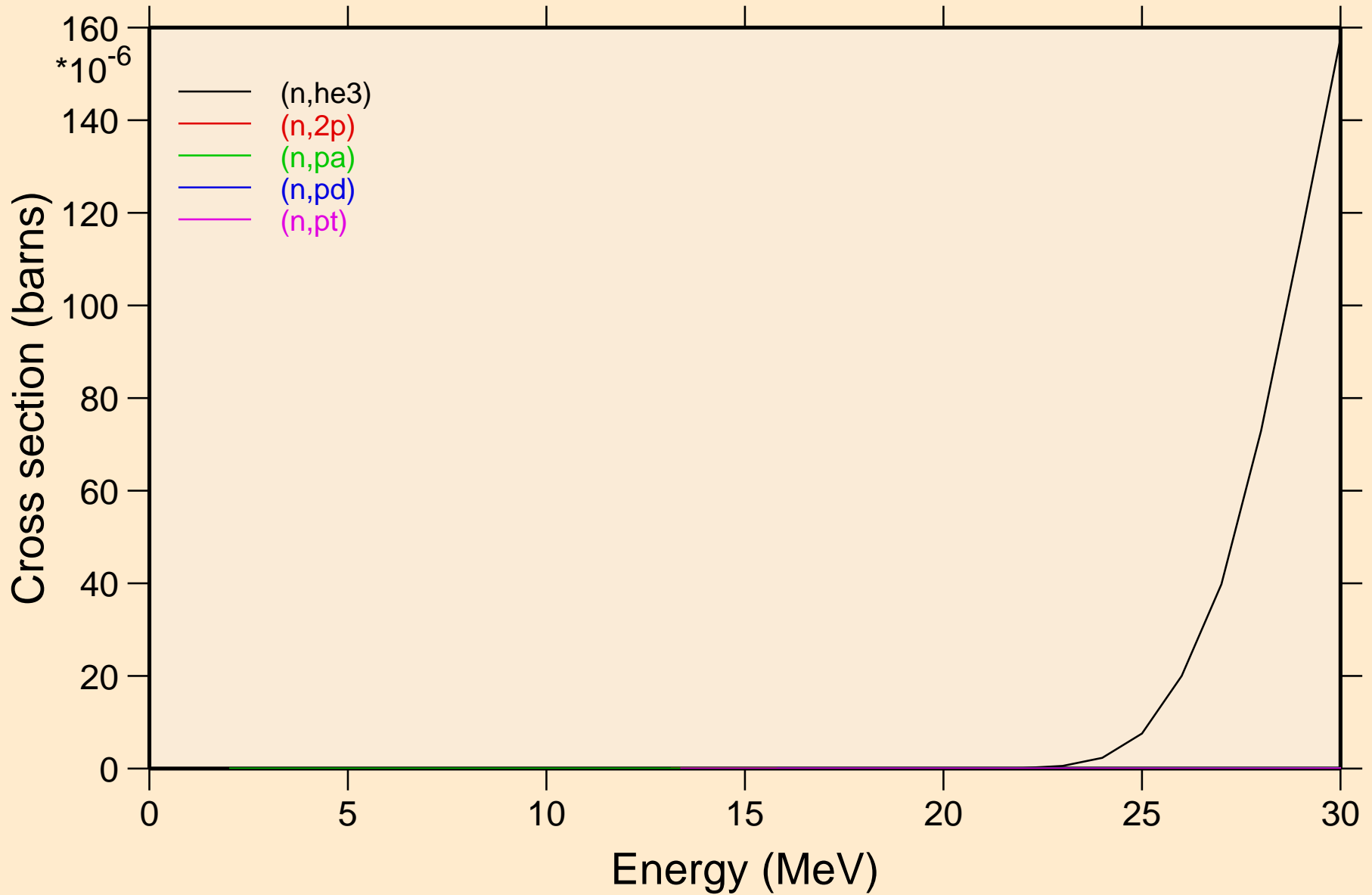
# CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



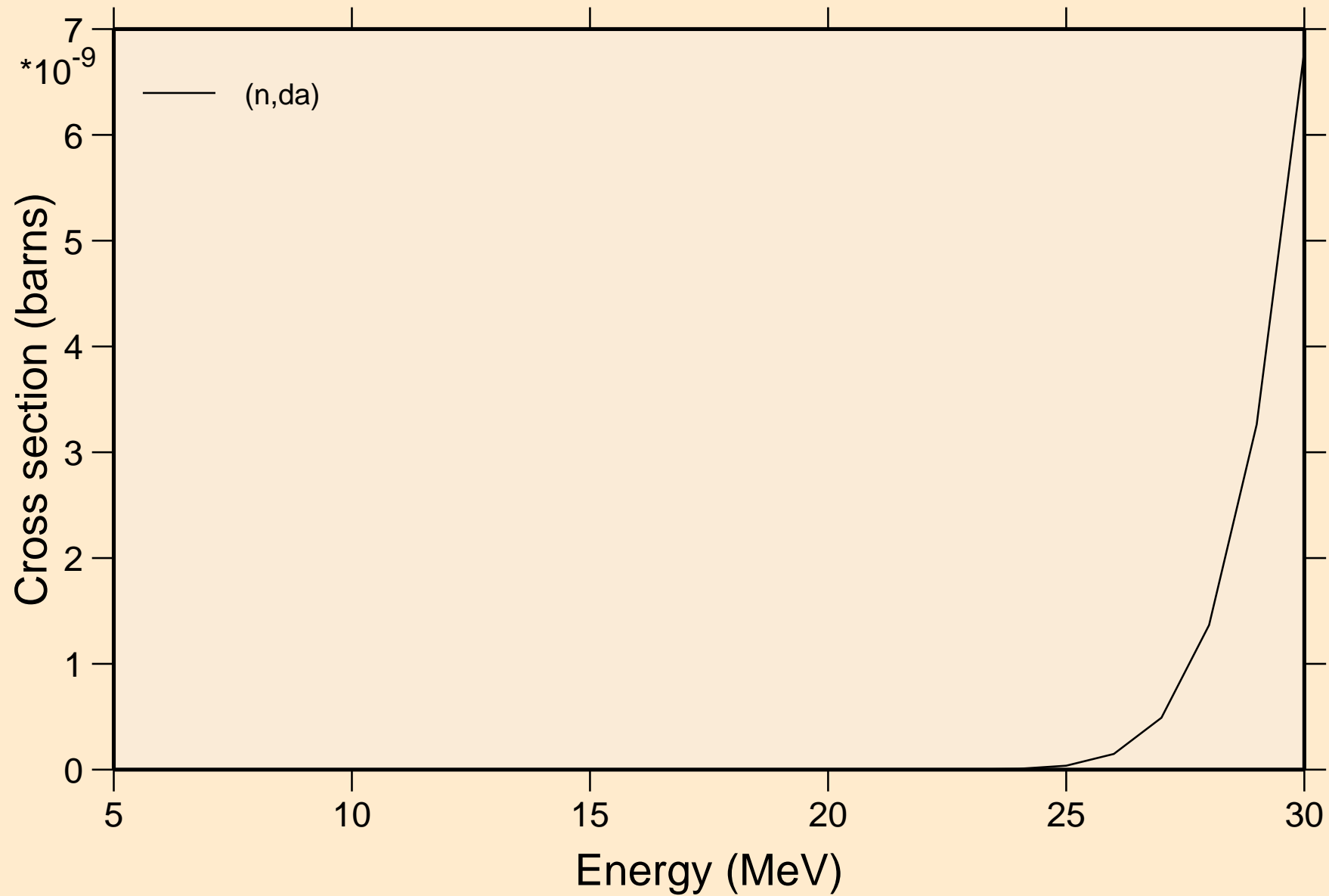
# CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



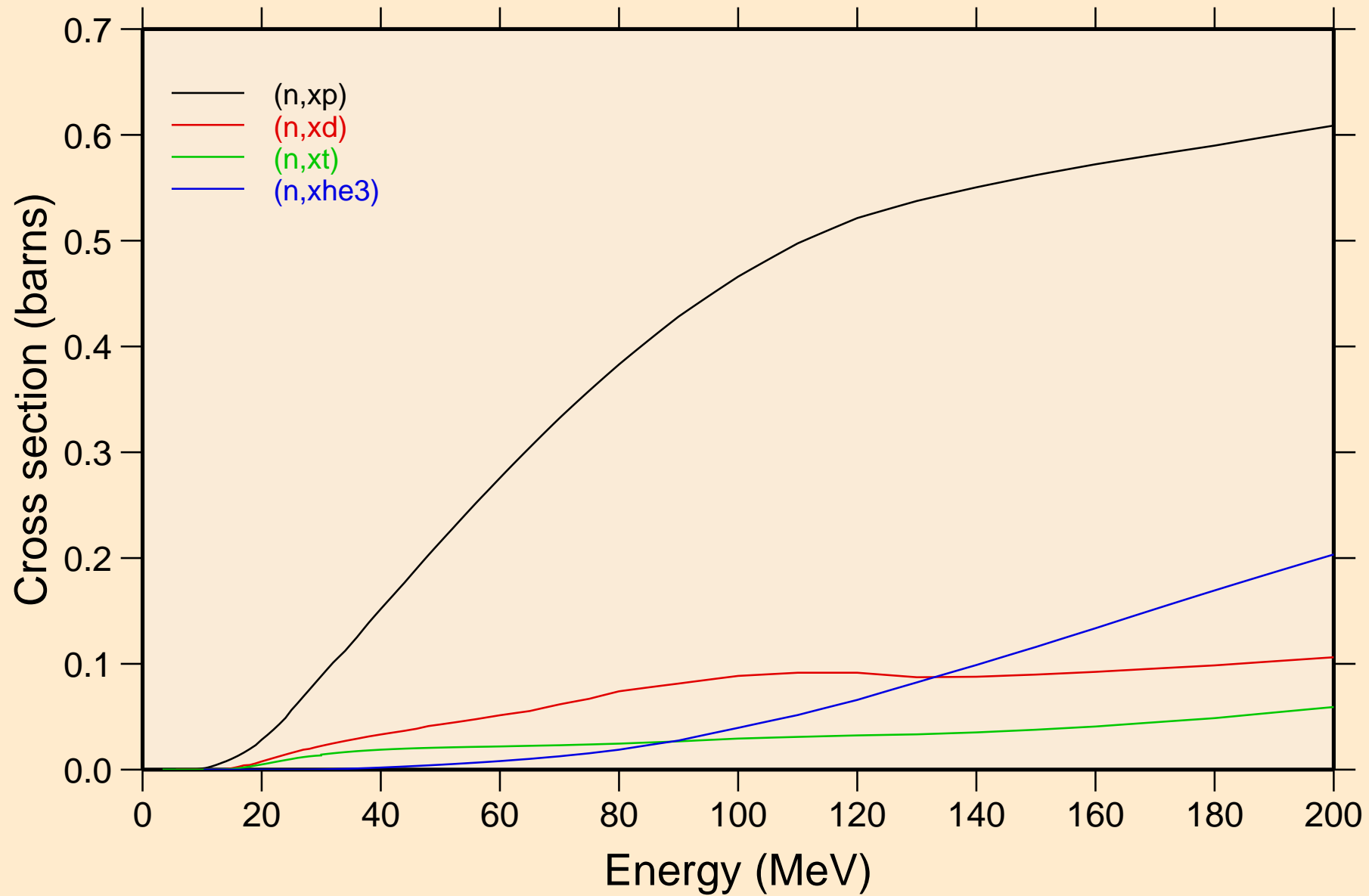
# CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

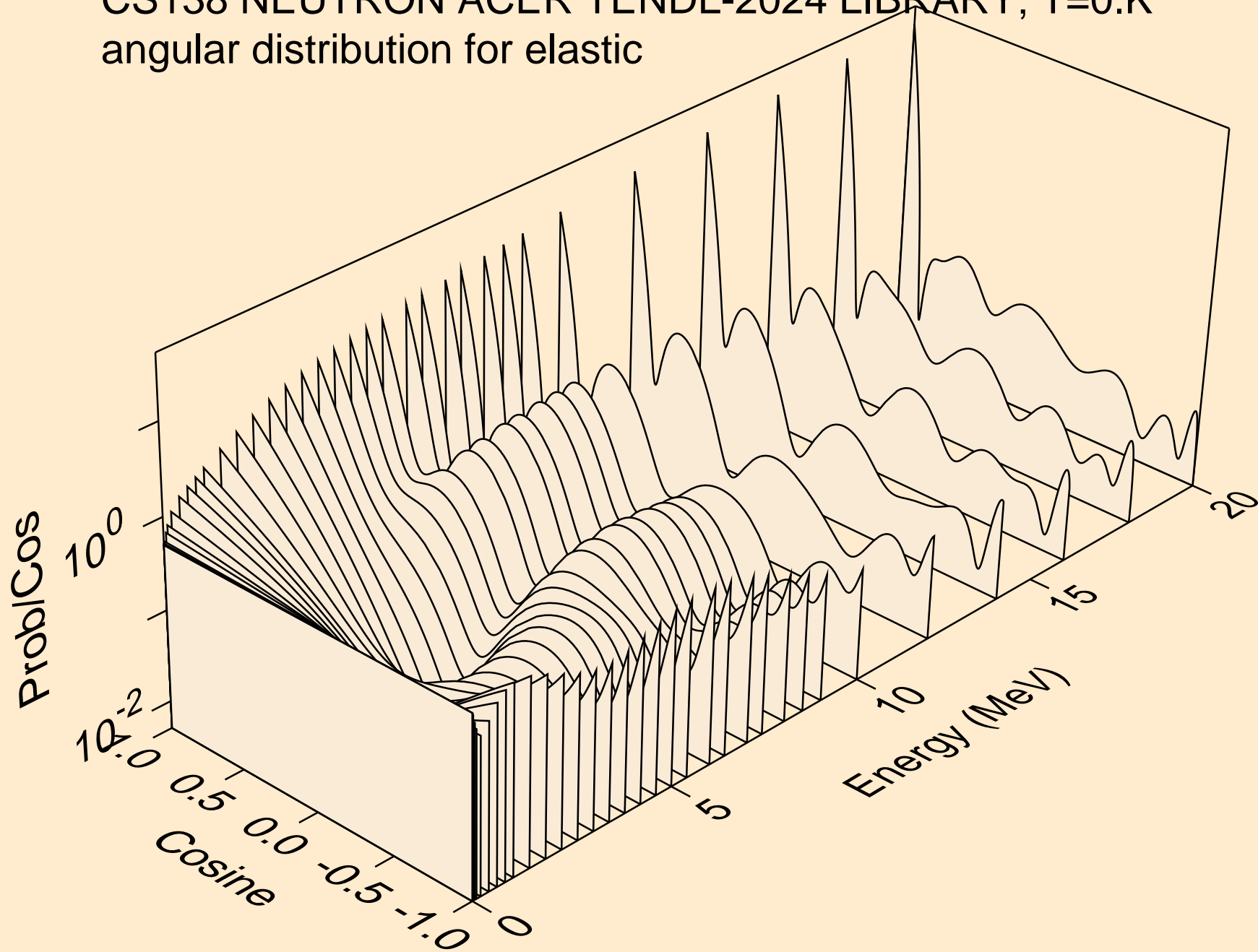


# CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

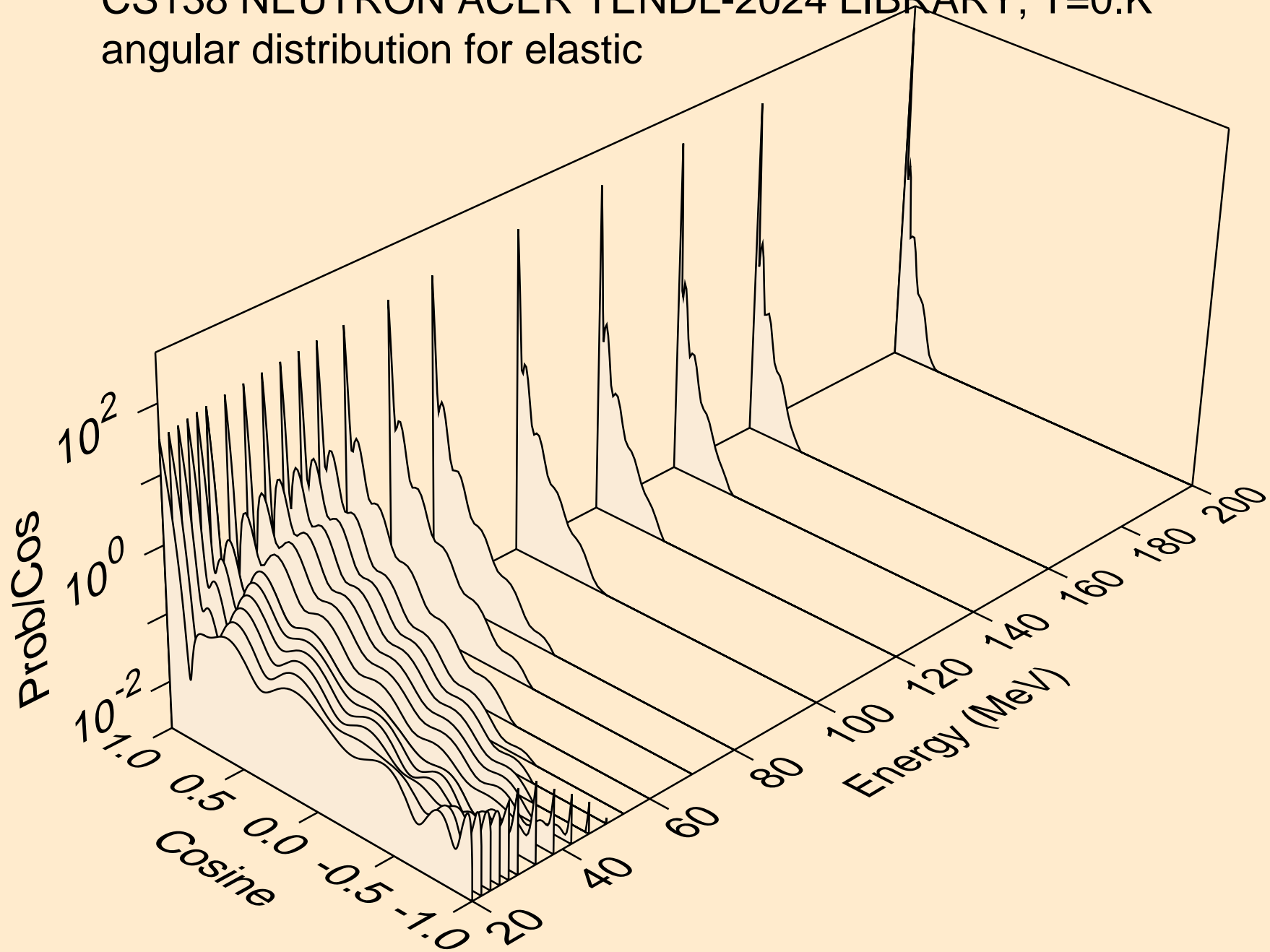
## Threshold reactions



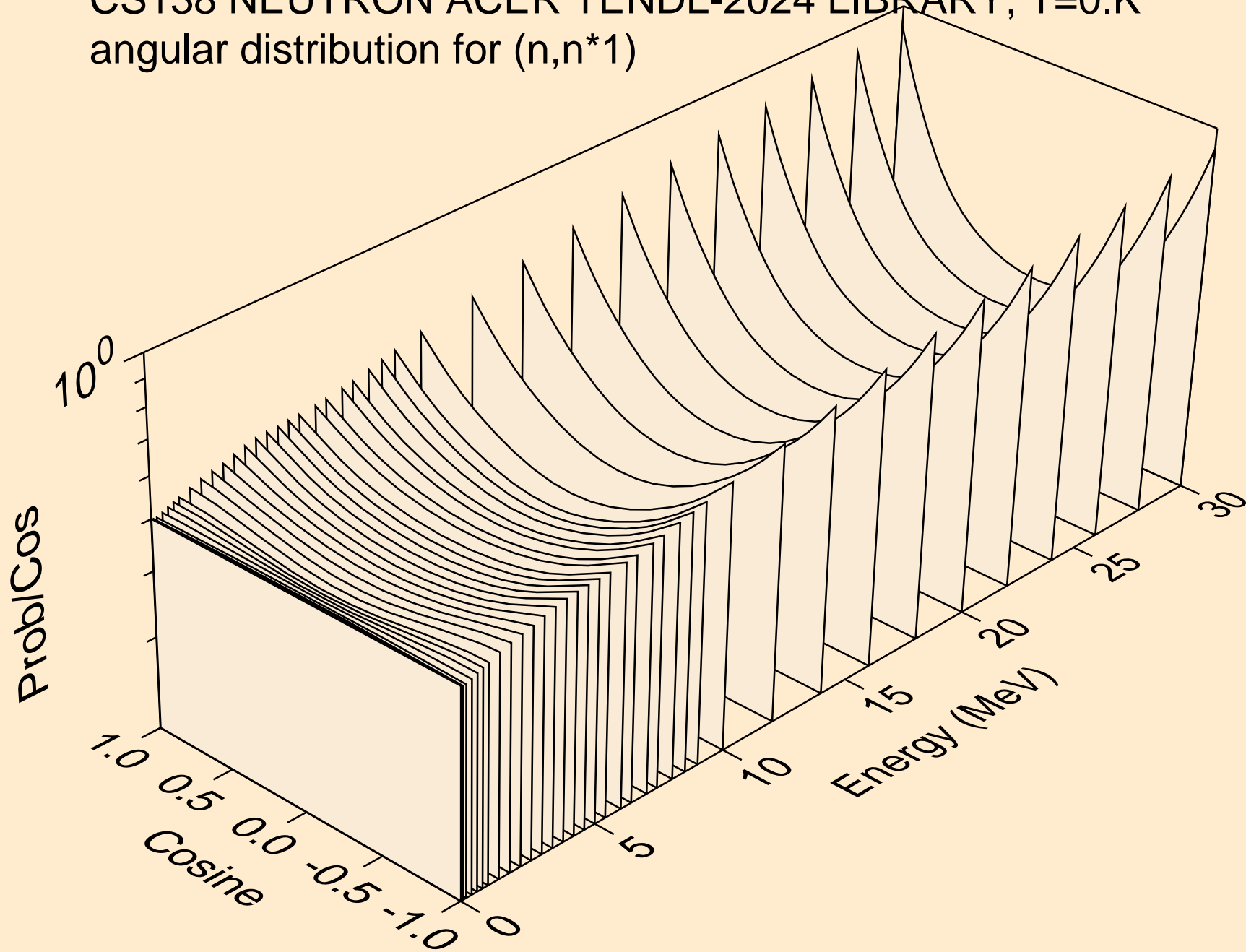
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

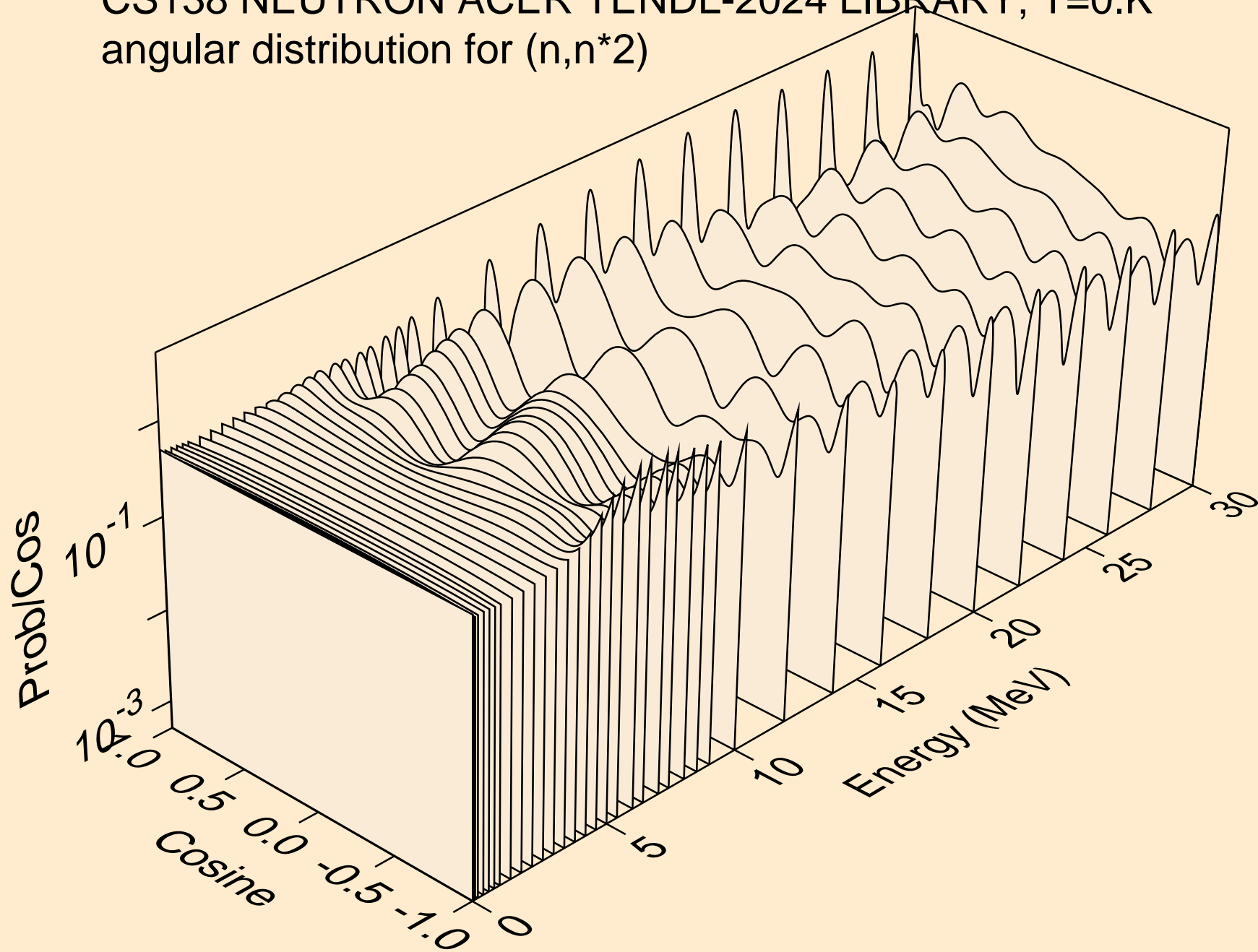


CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

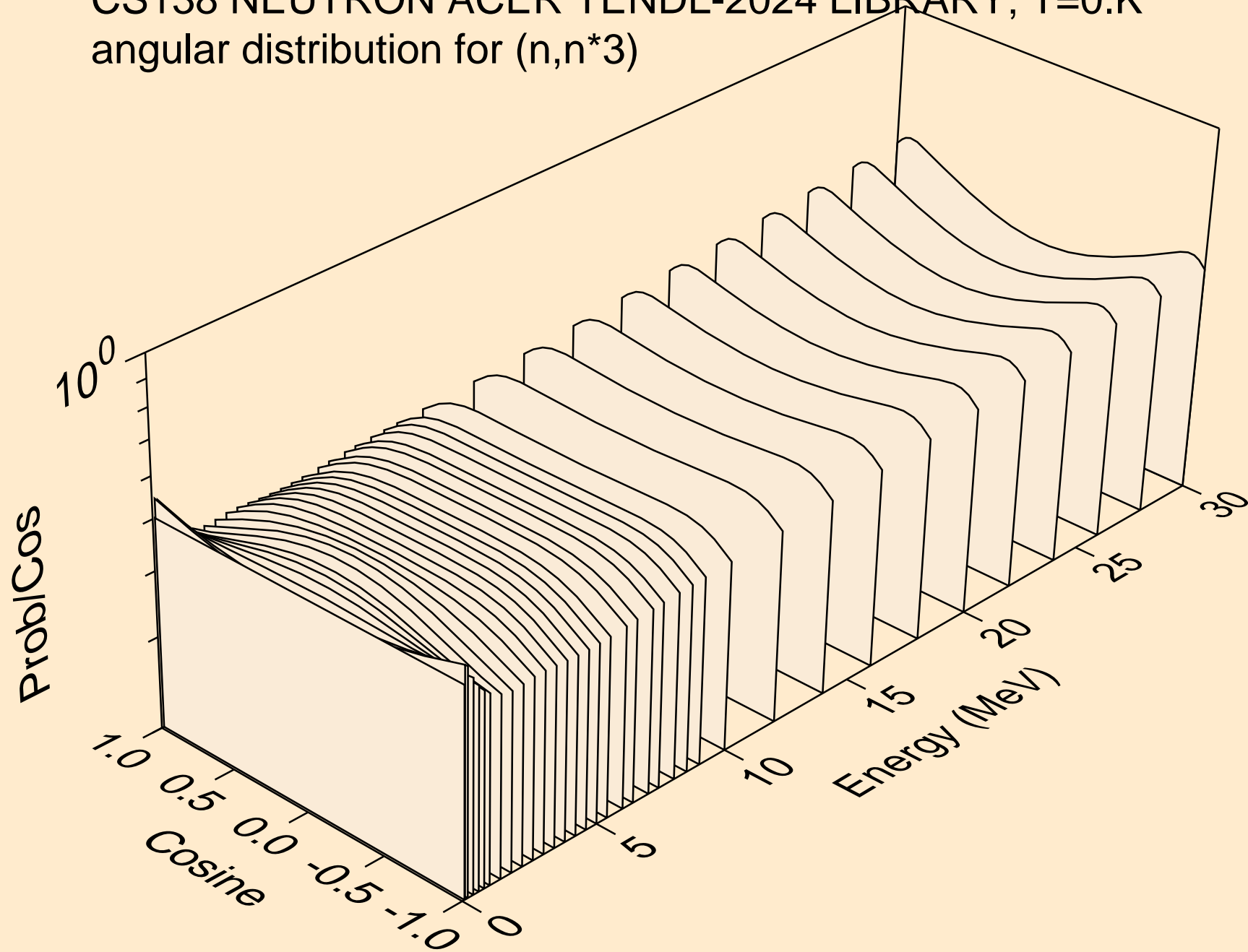




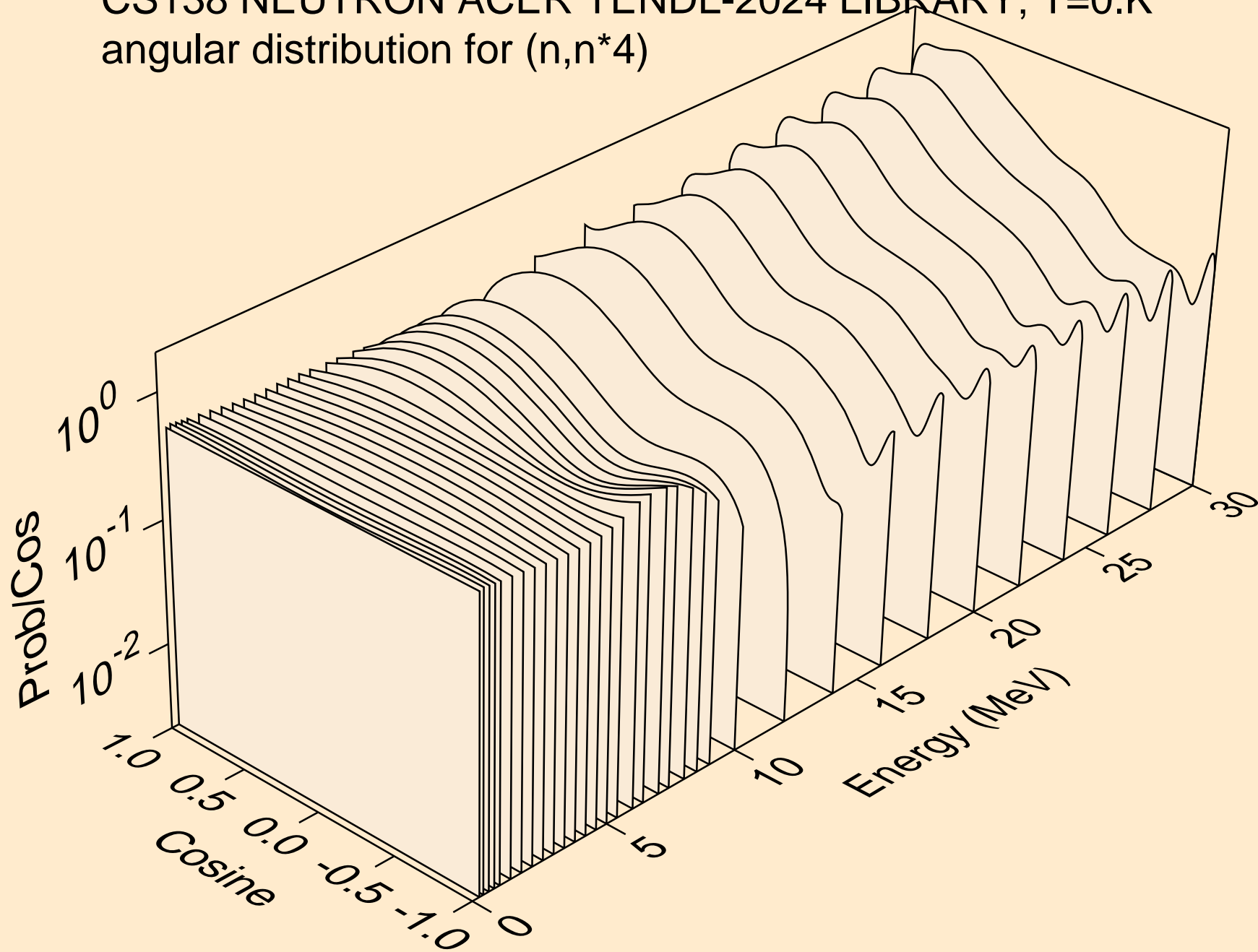
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



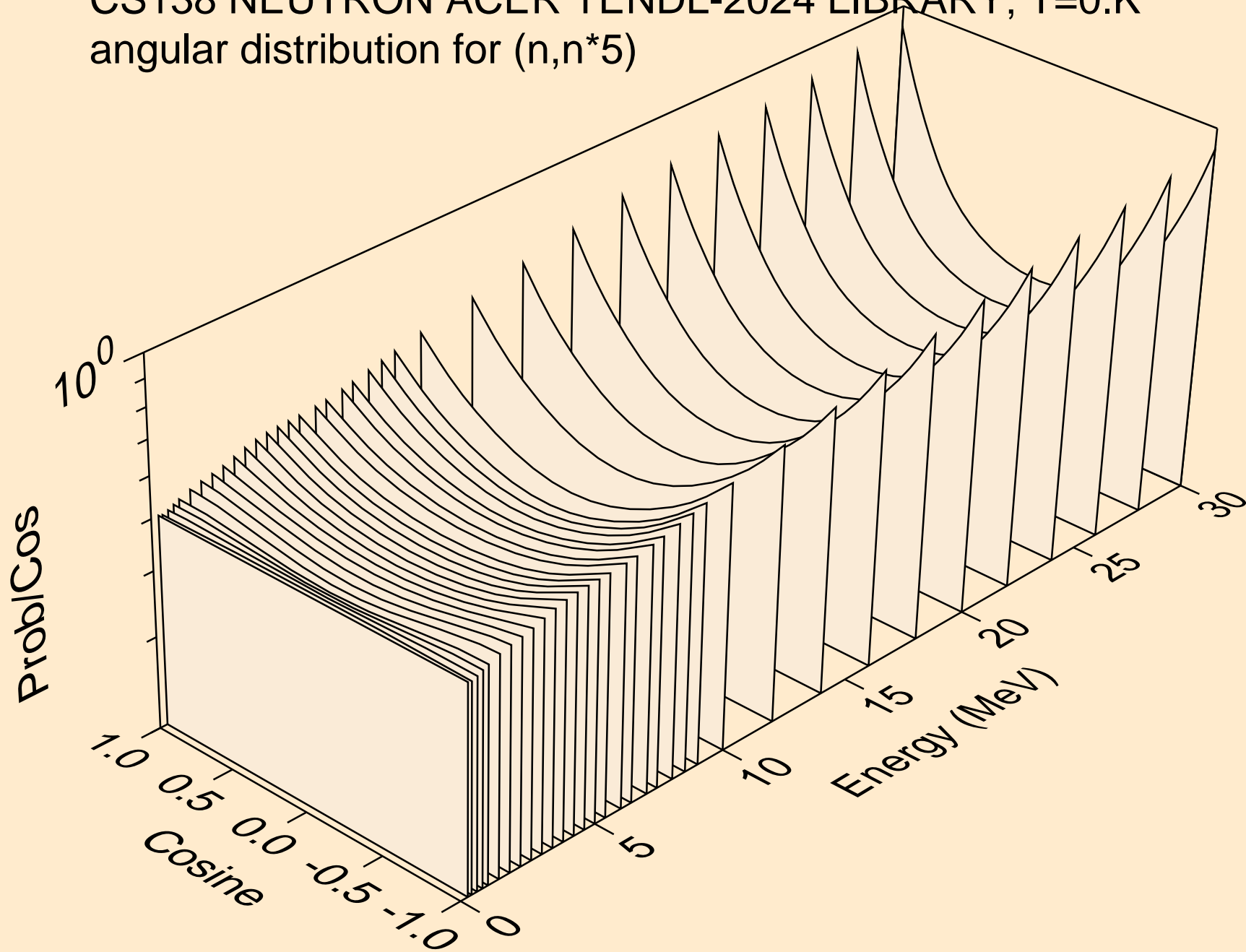
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



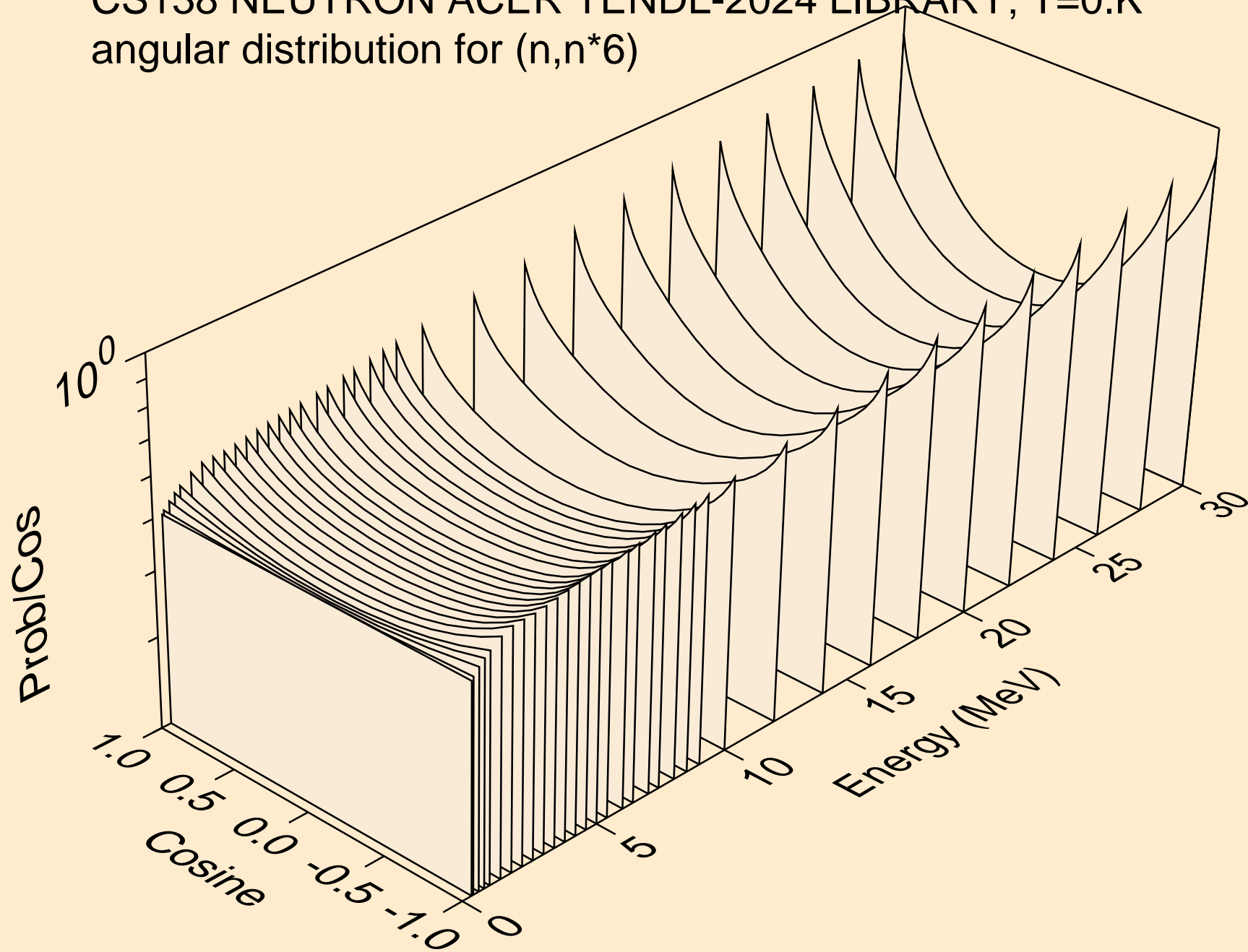
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



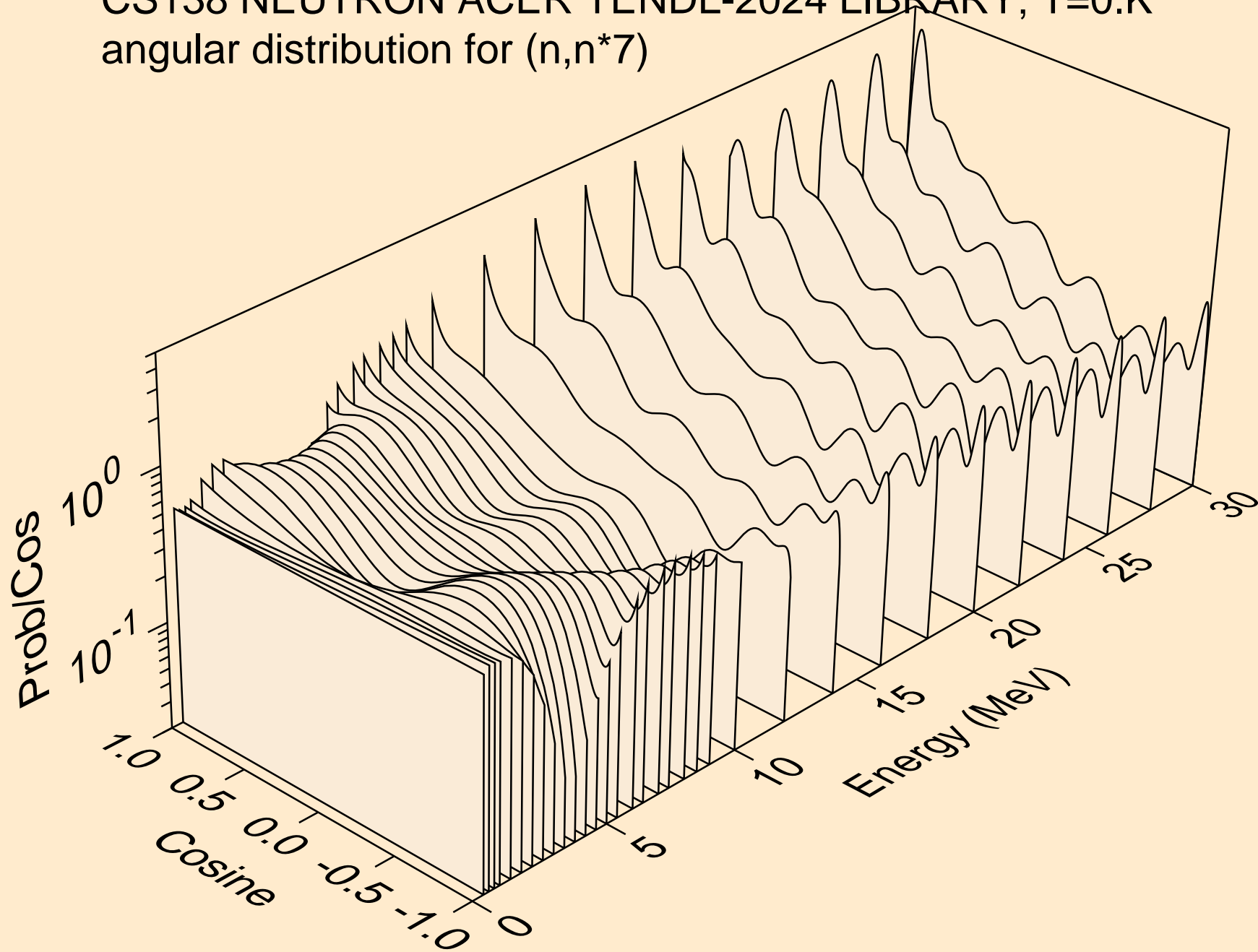
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



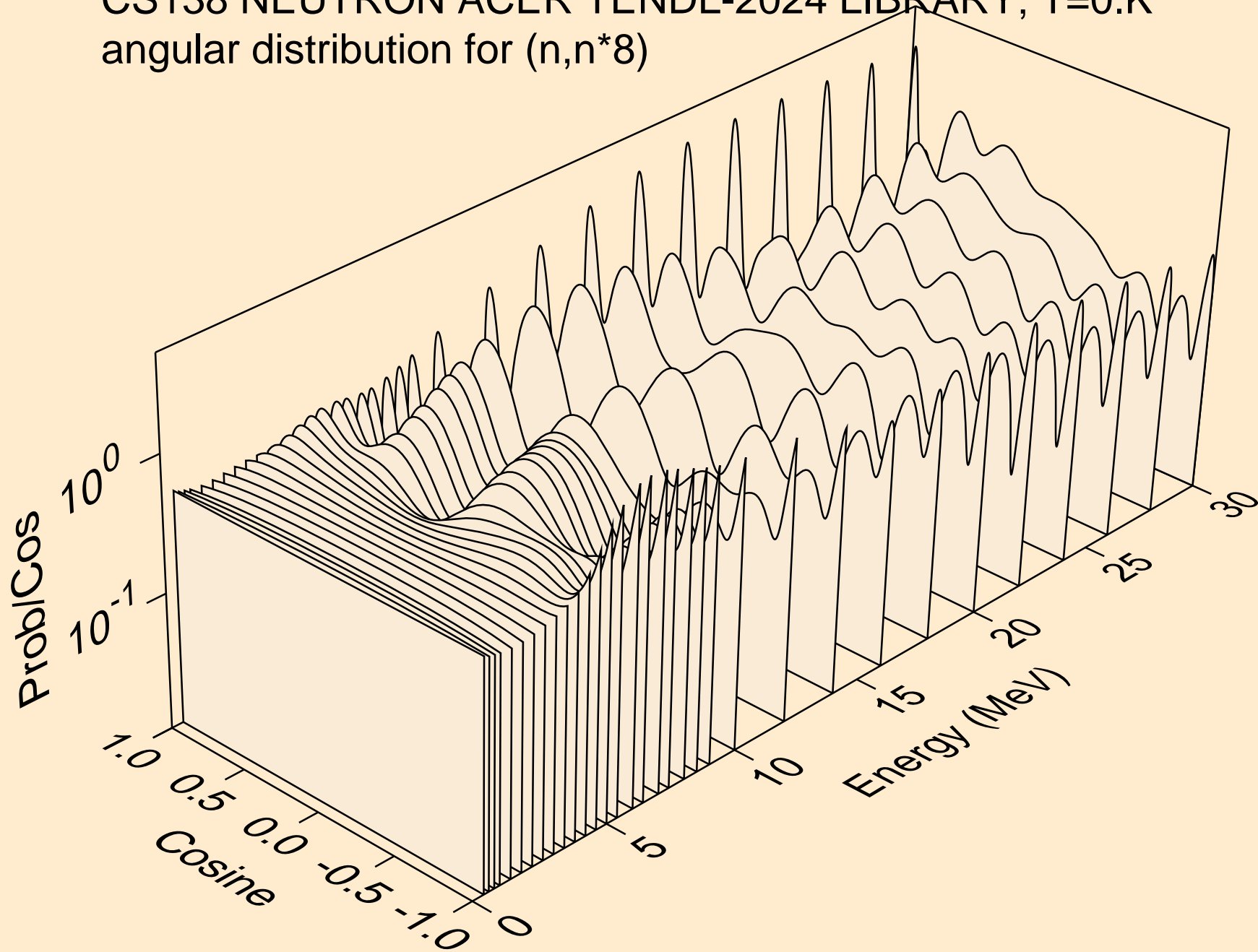
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



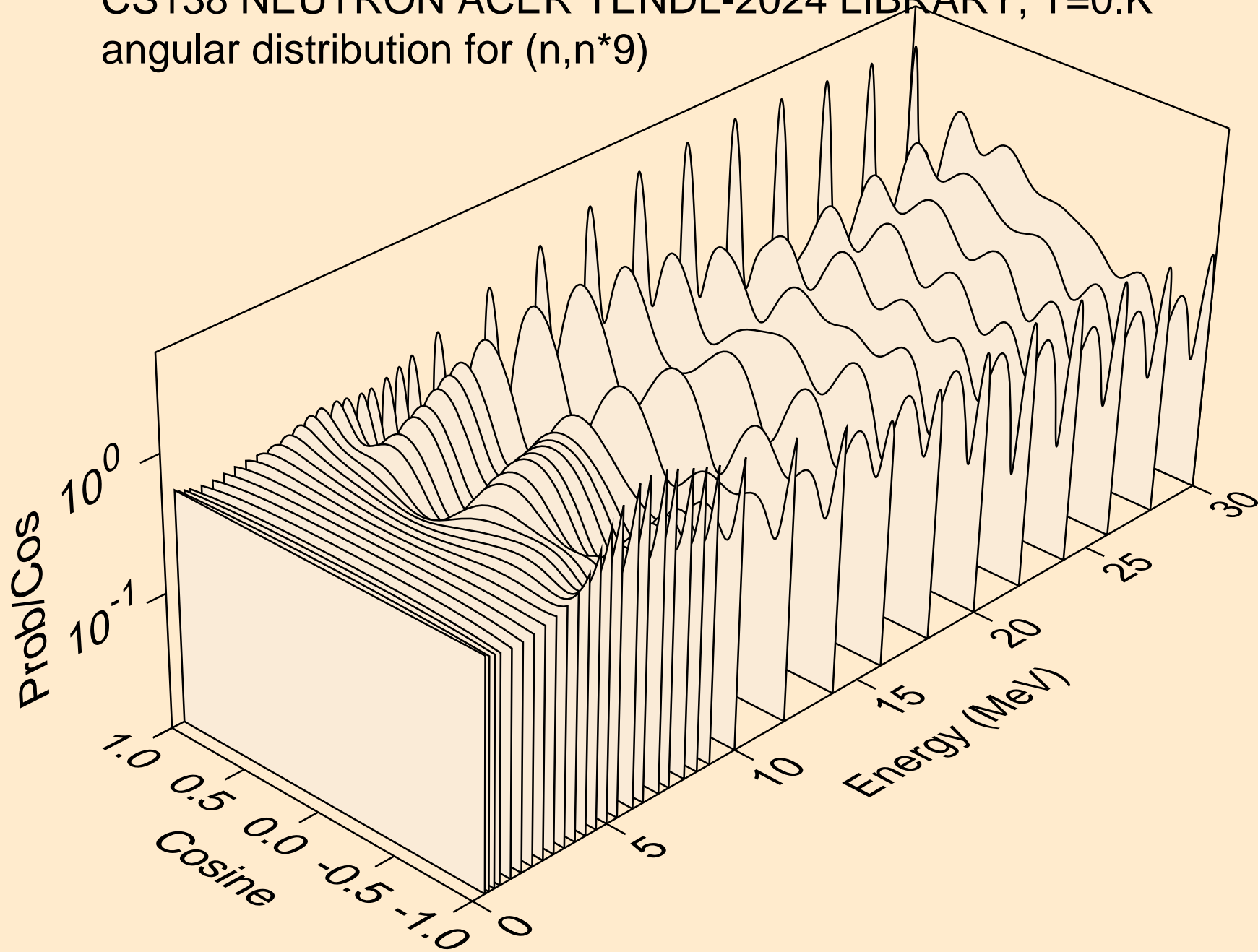
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)

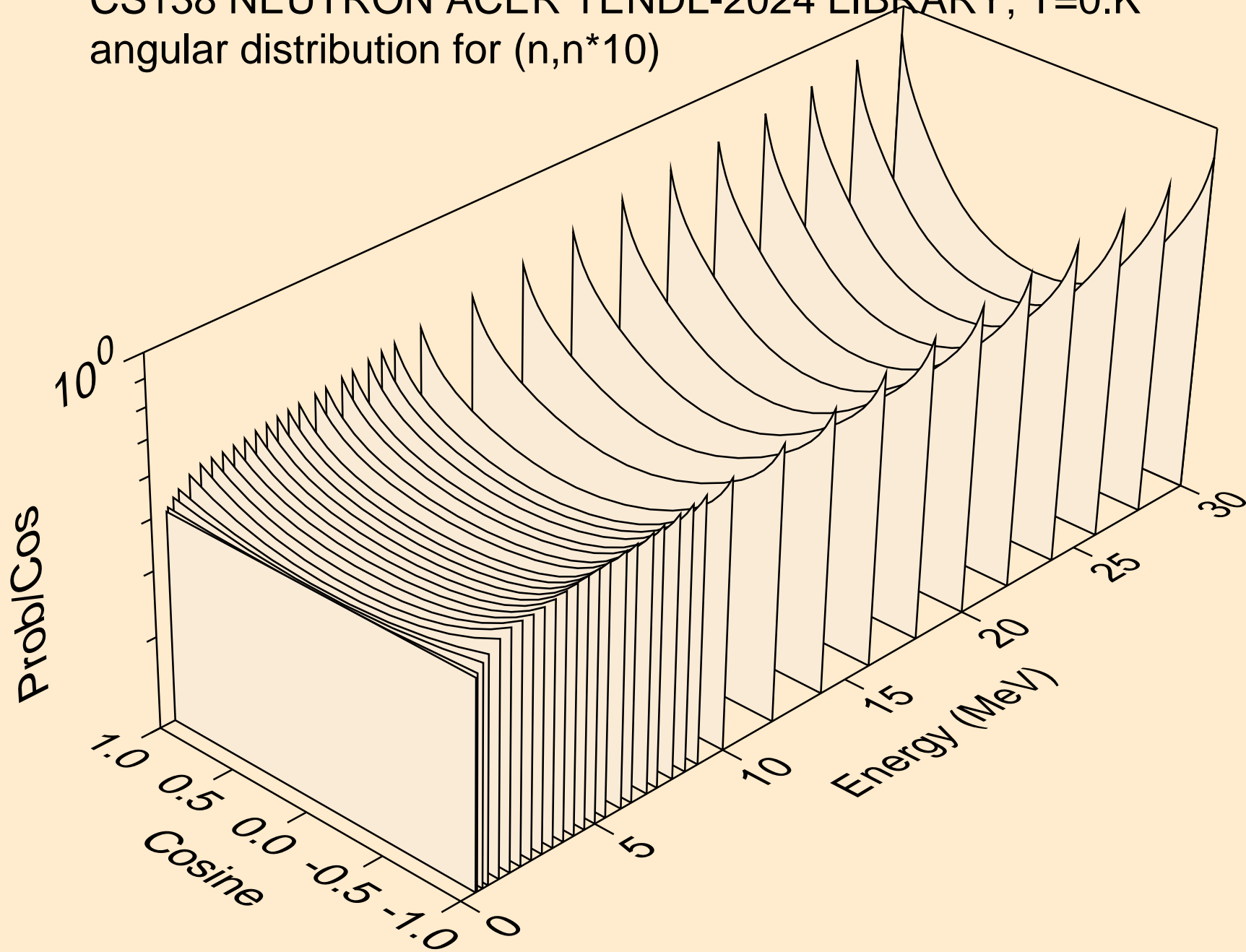


CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

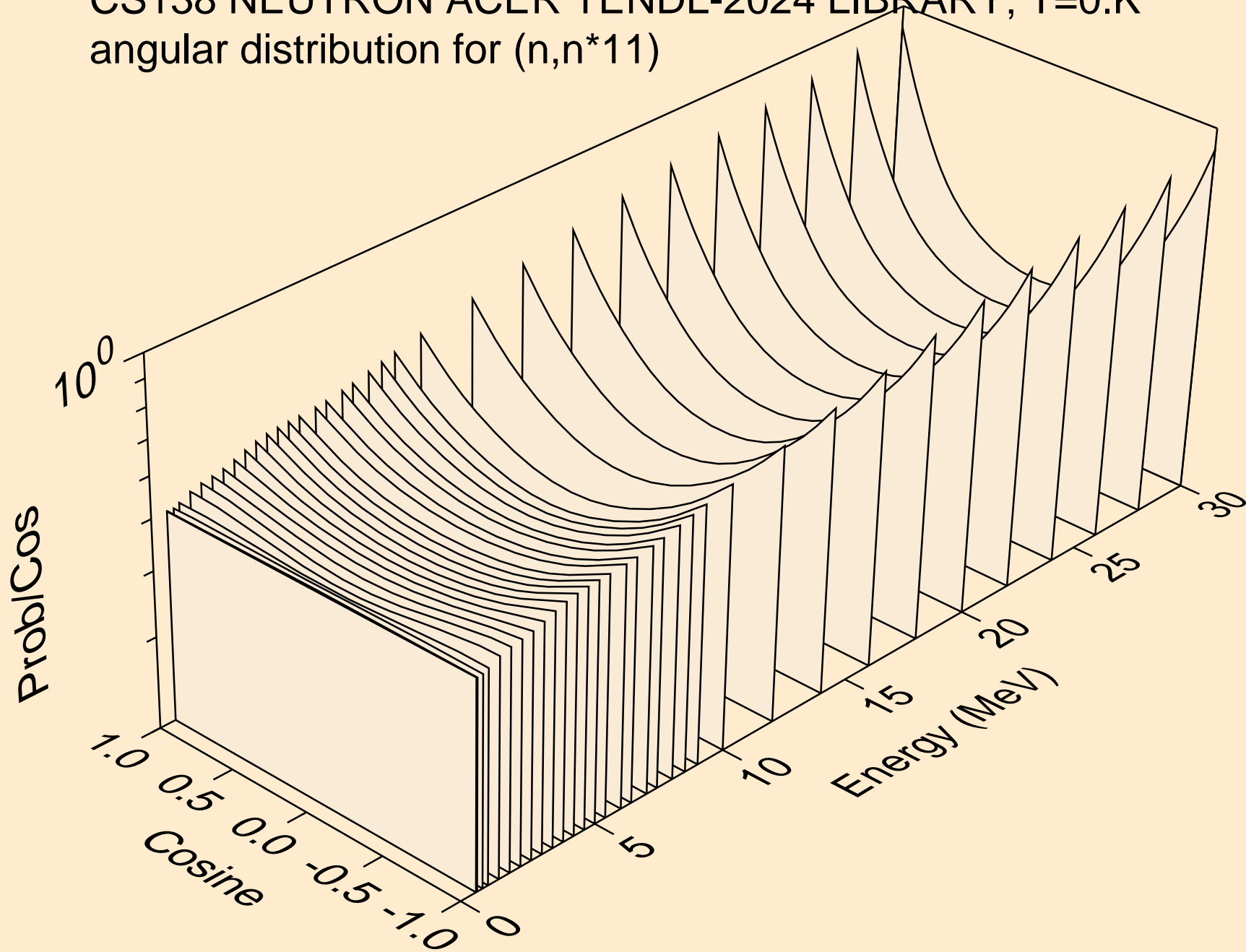




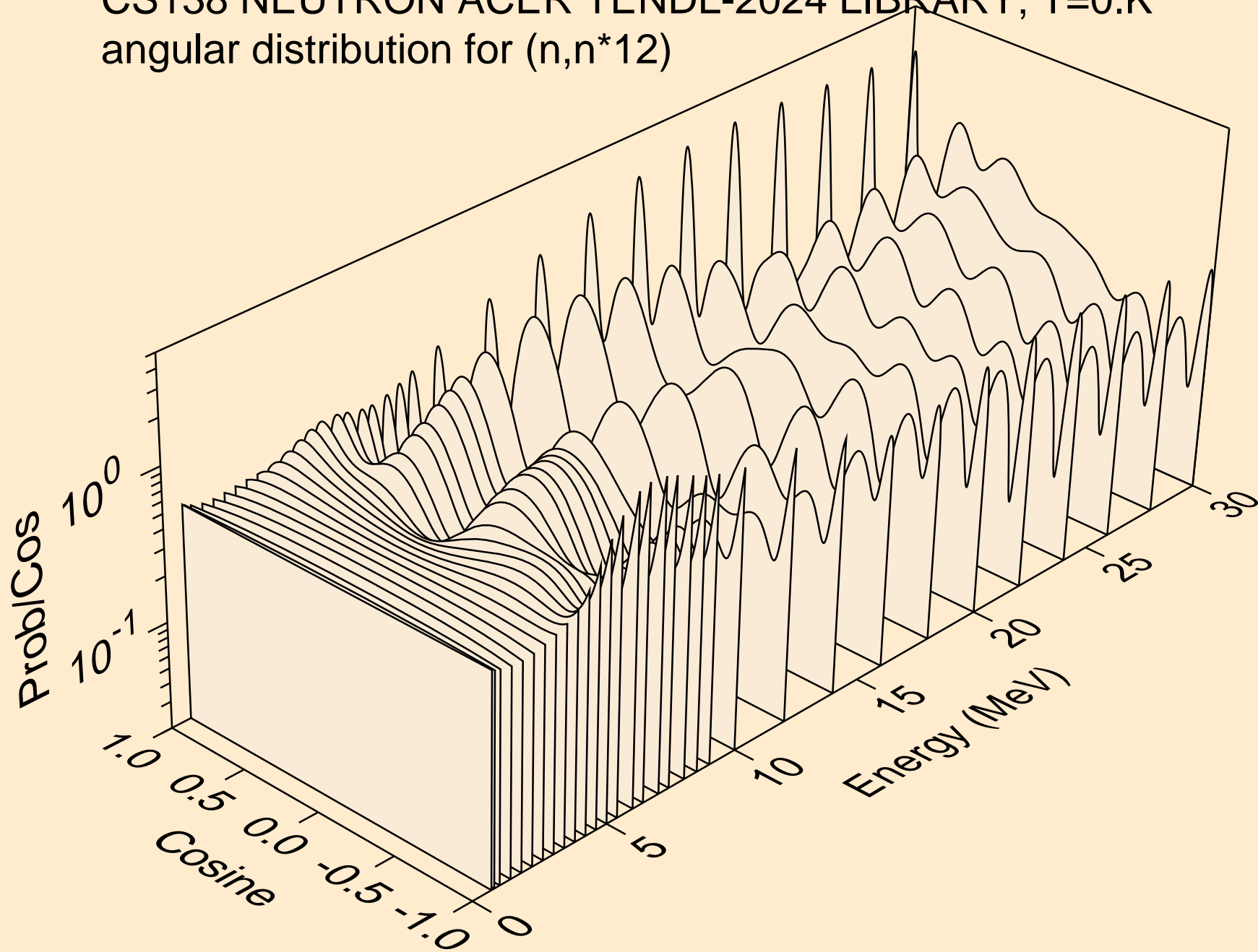
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



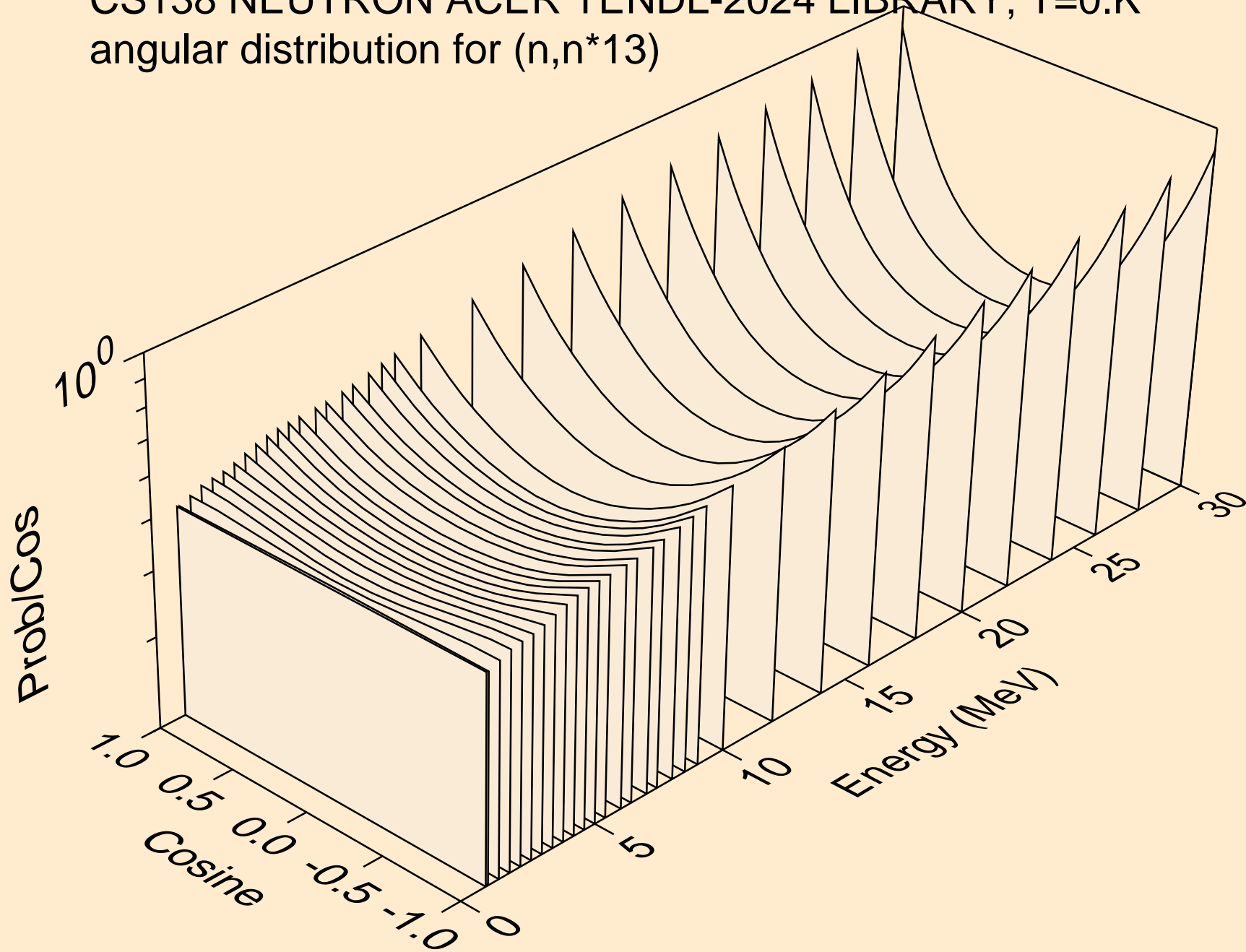
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



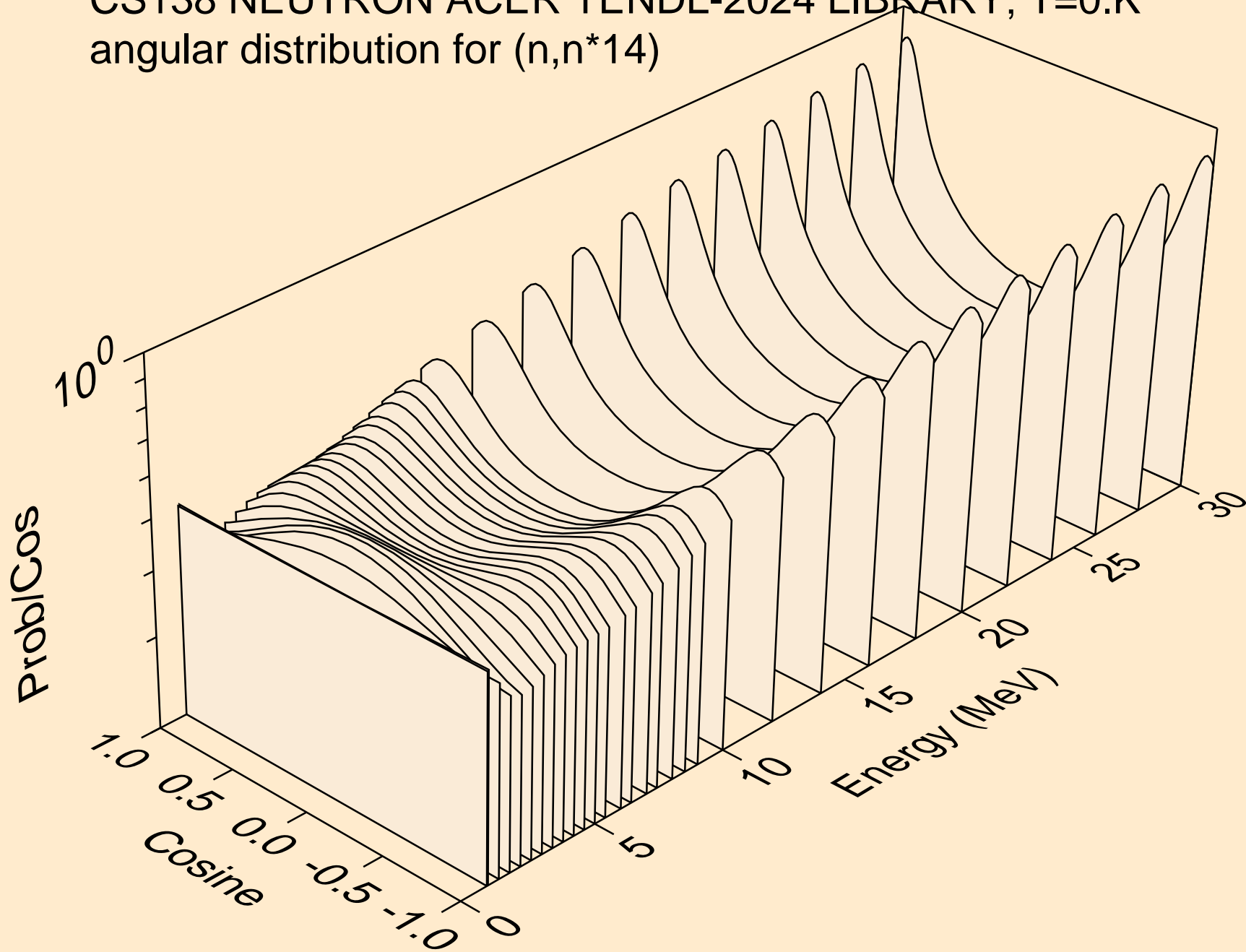
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



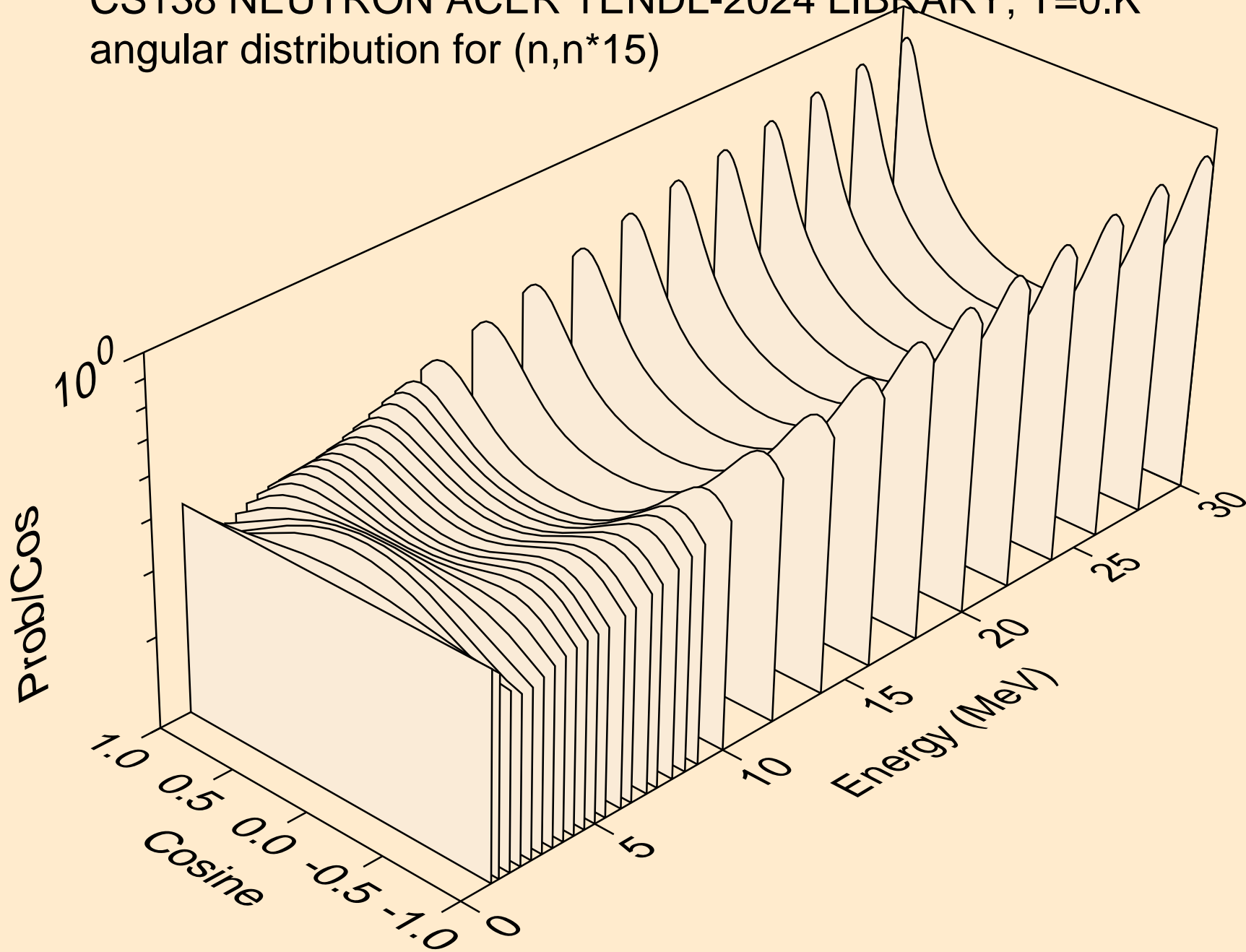
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



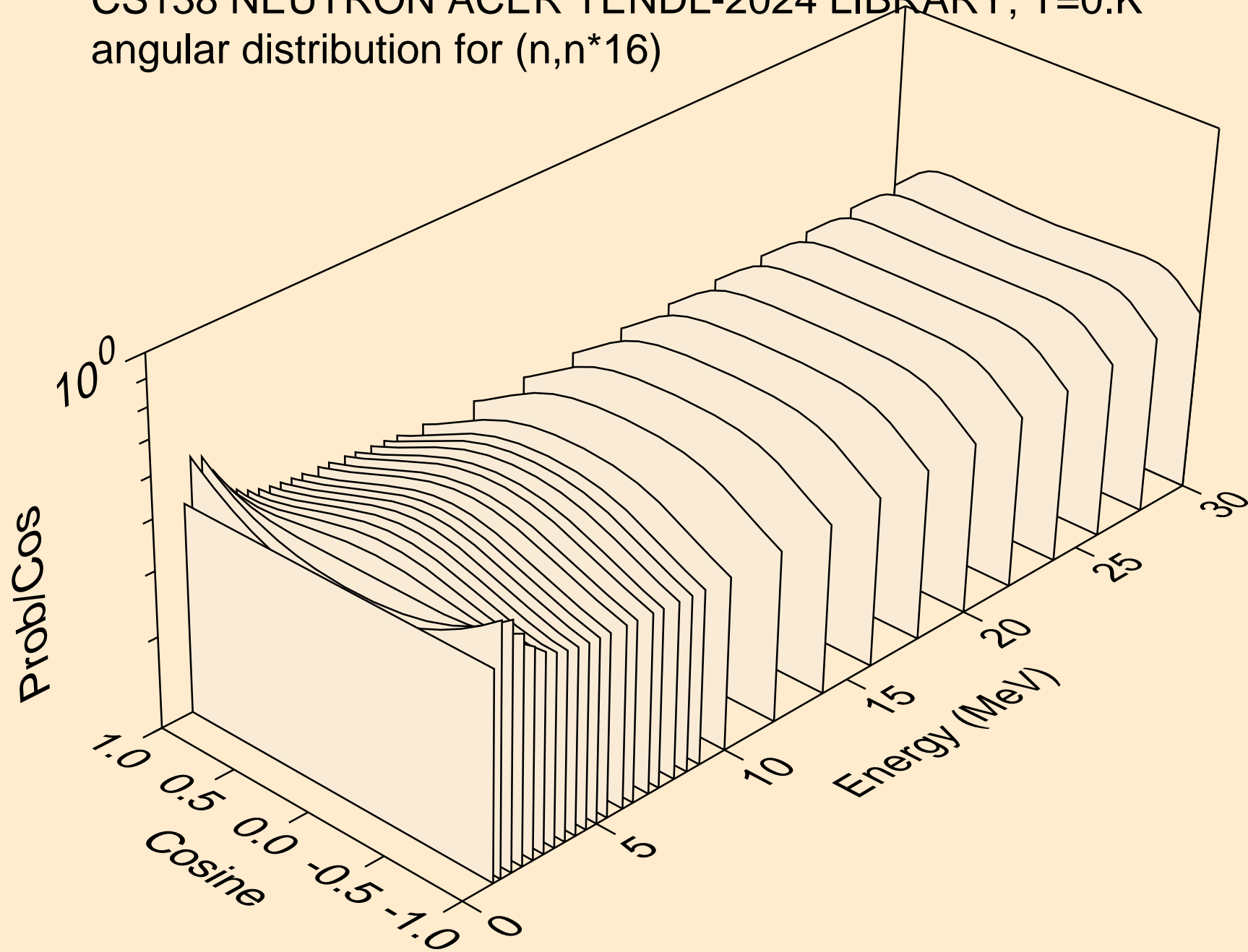
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



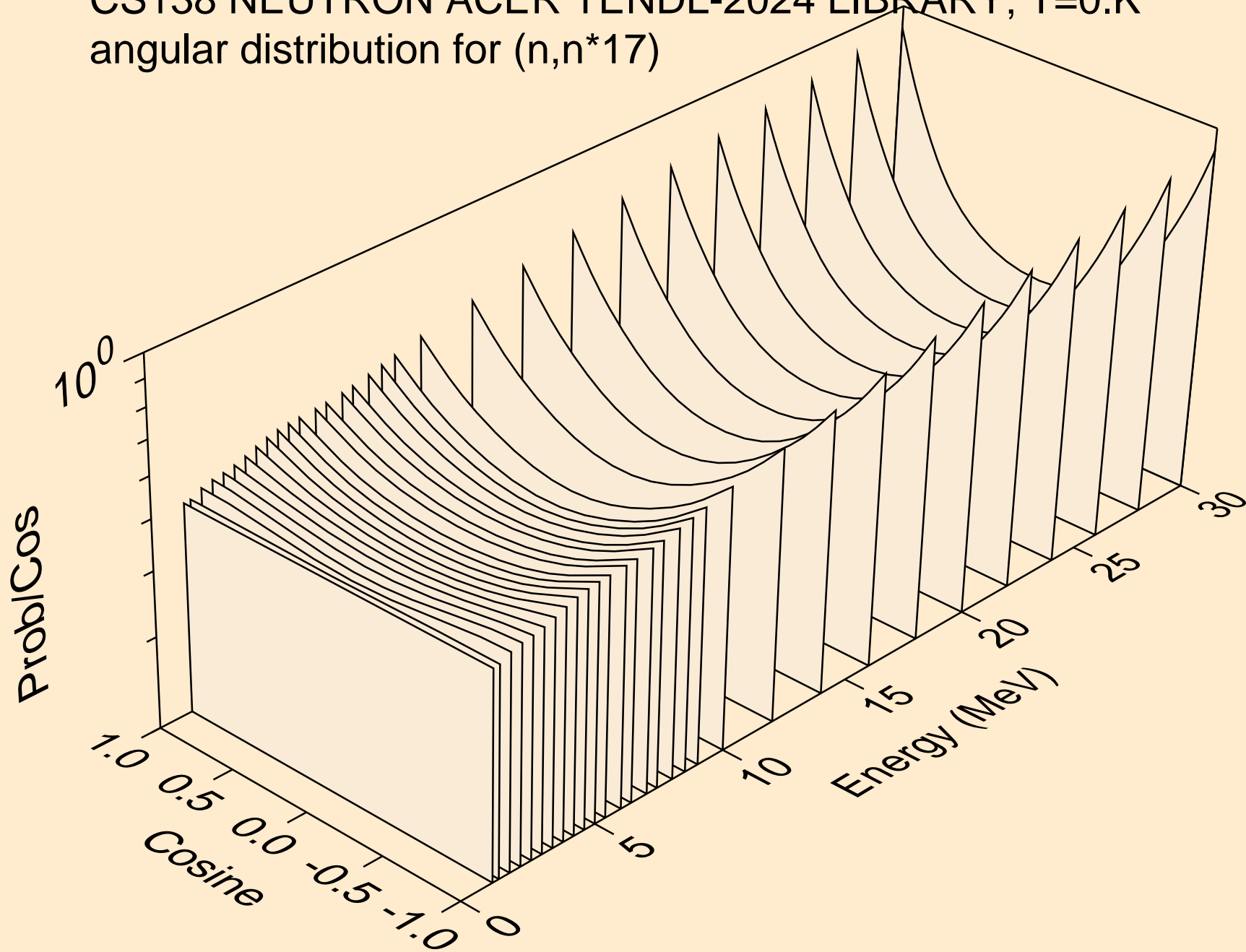
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)

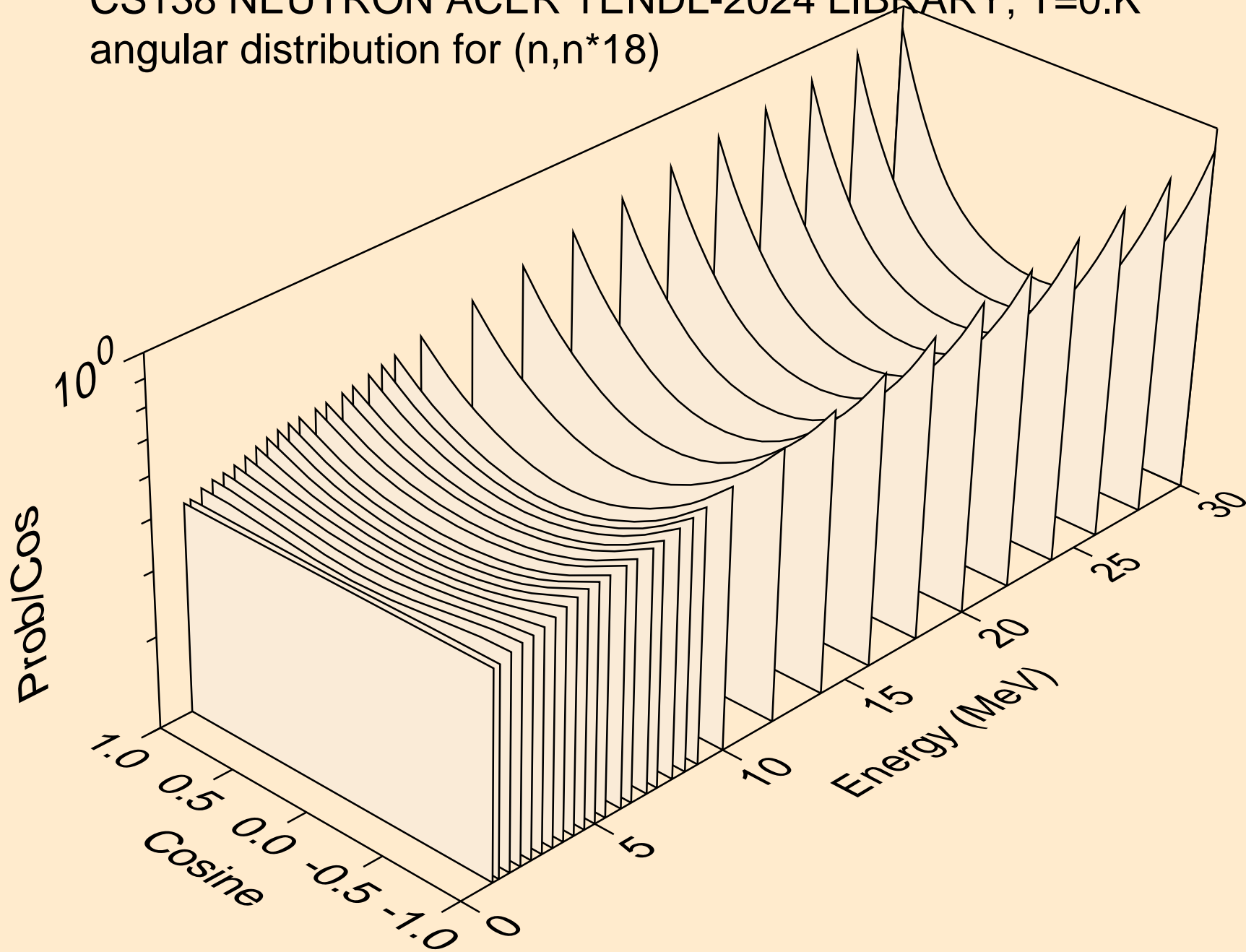


CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*17)

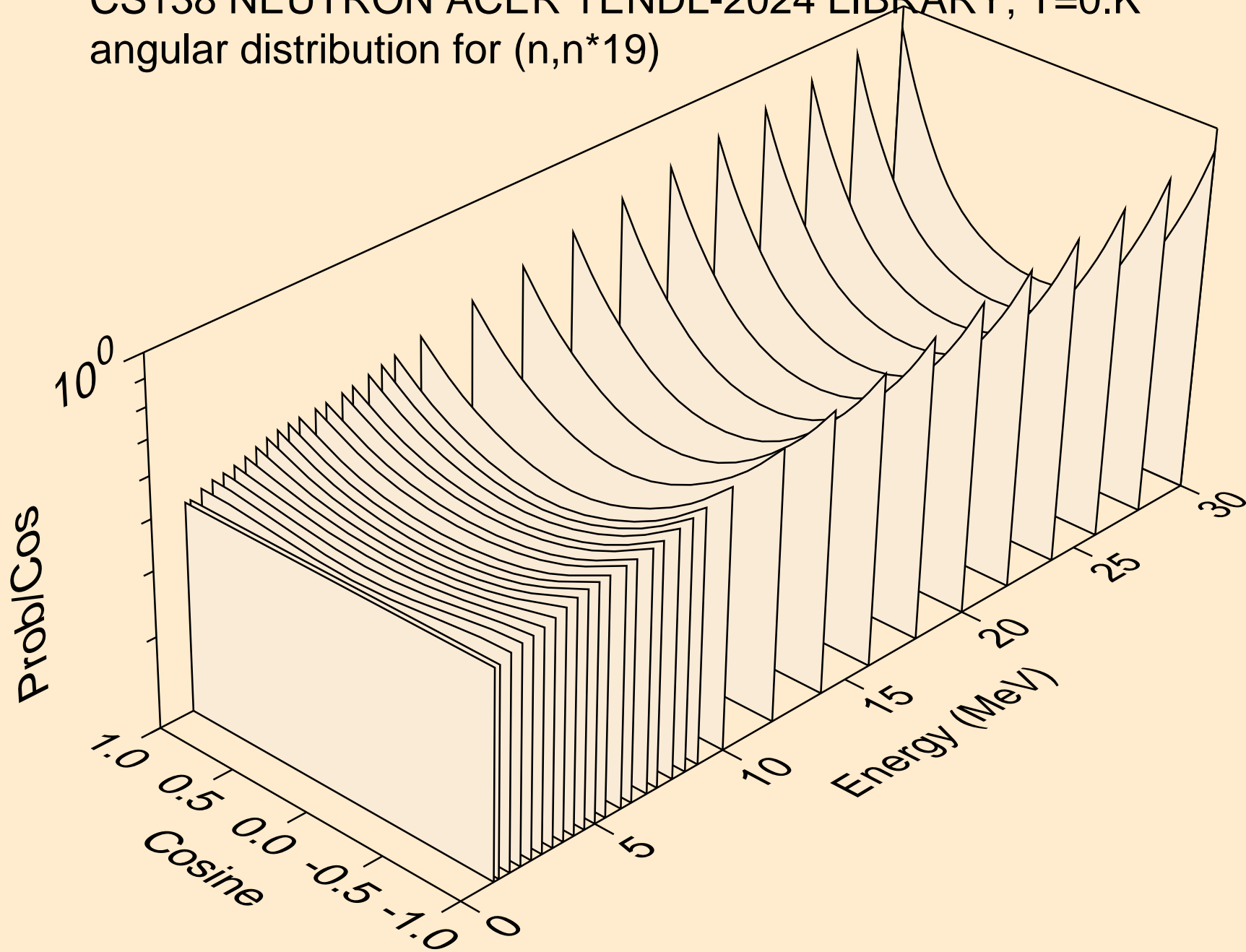




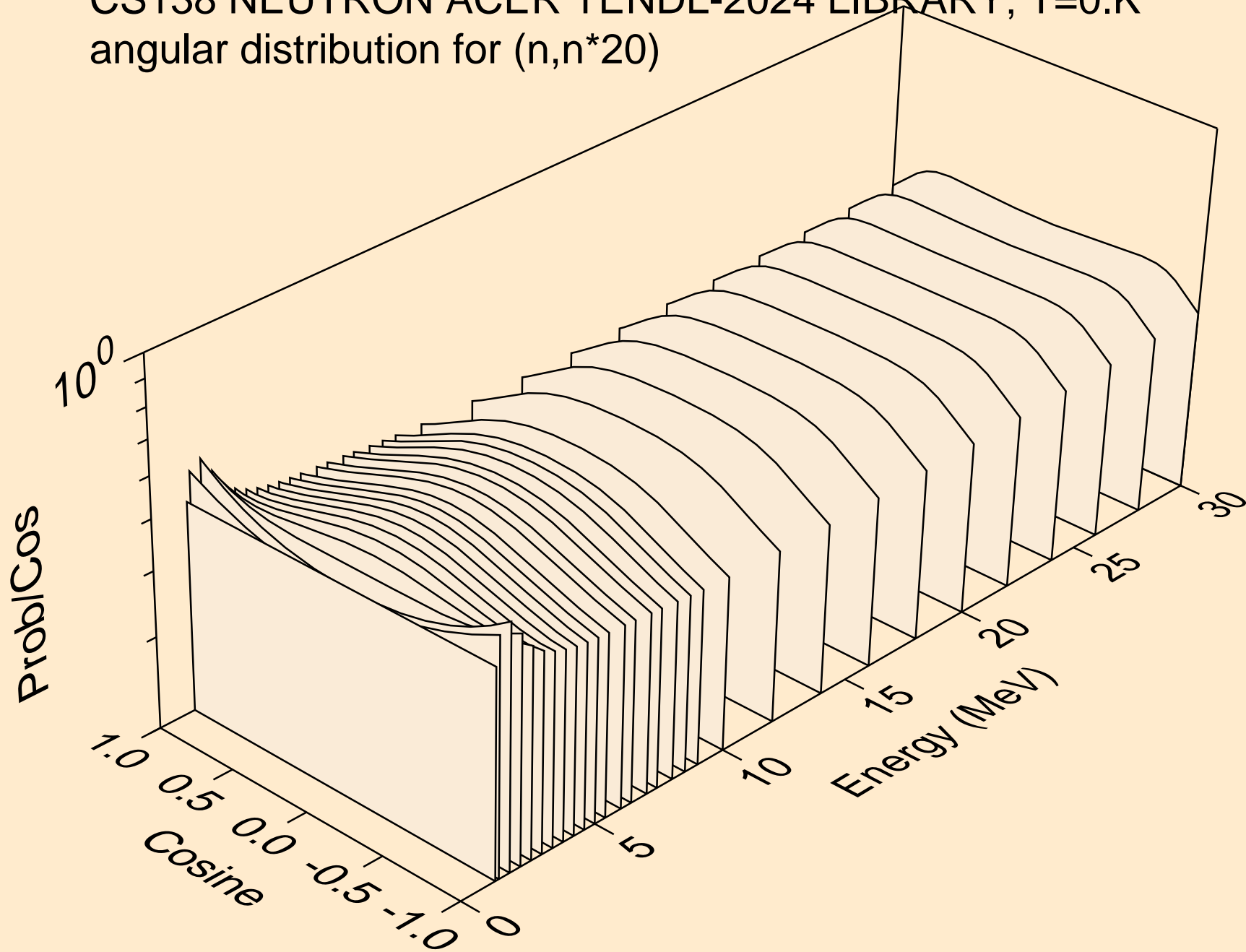
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



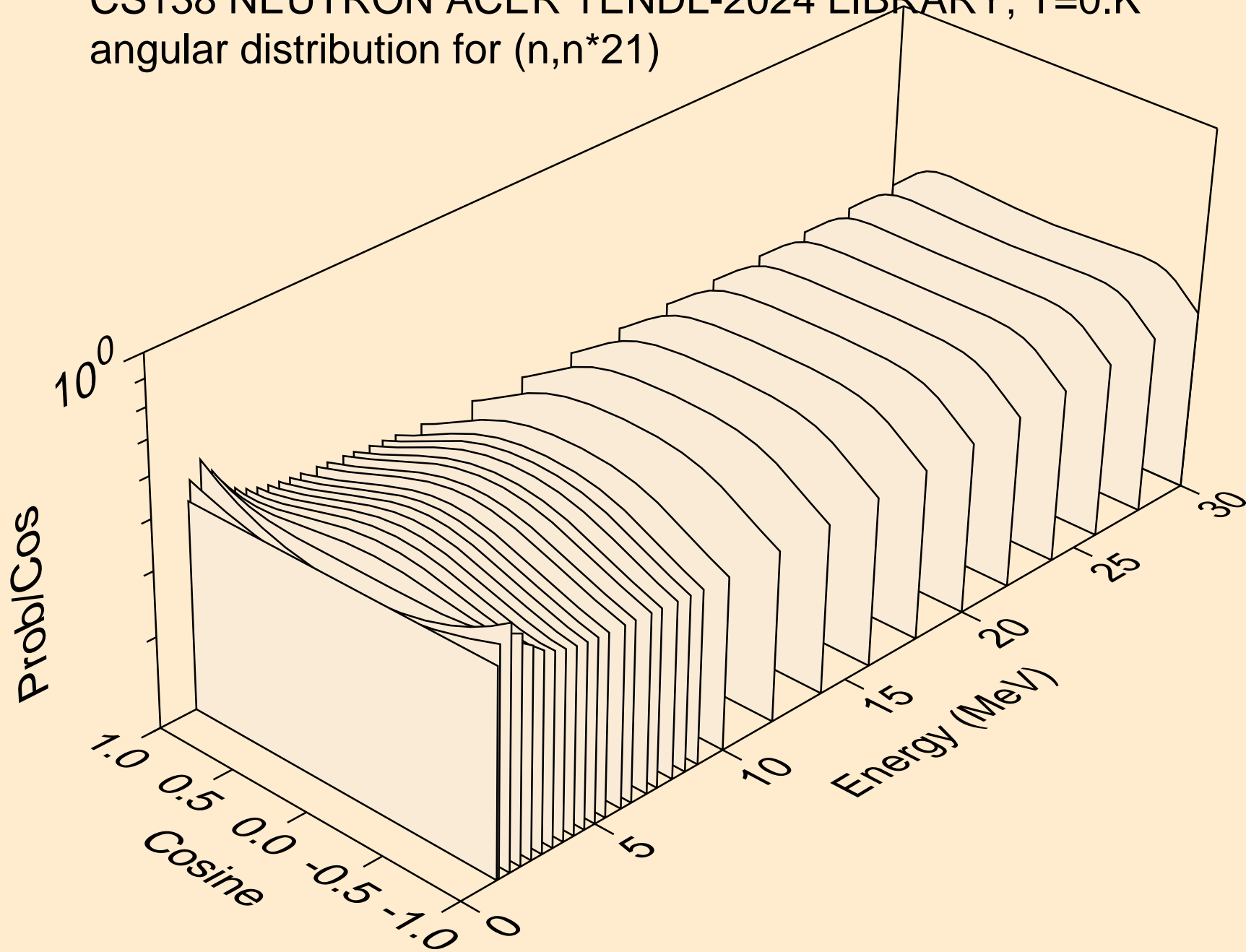
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



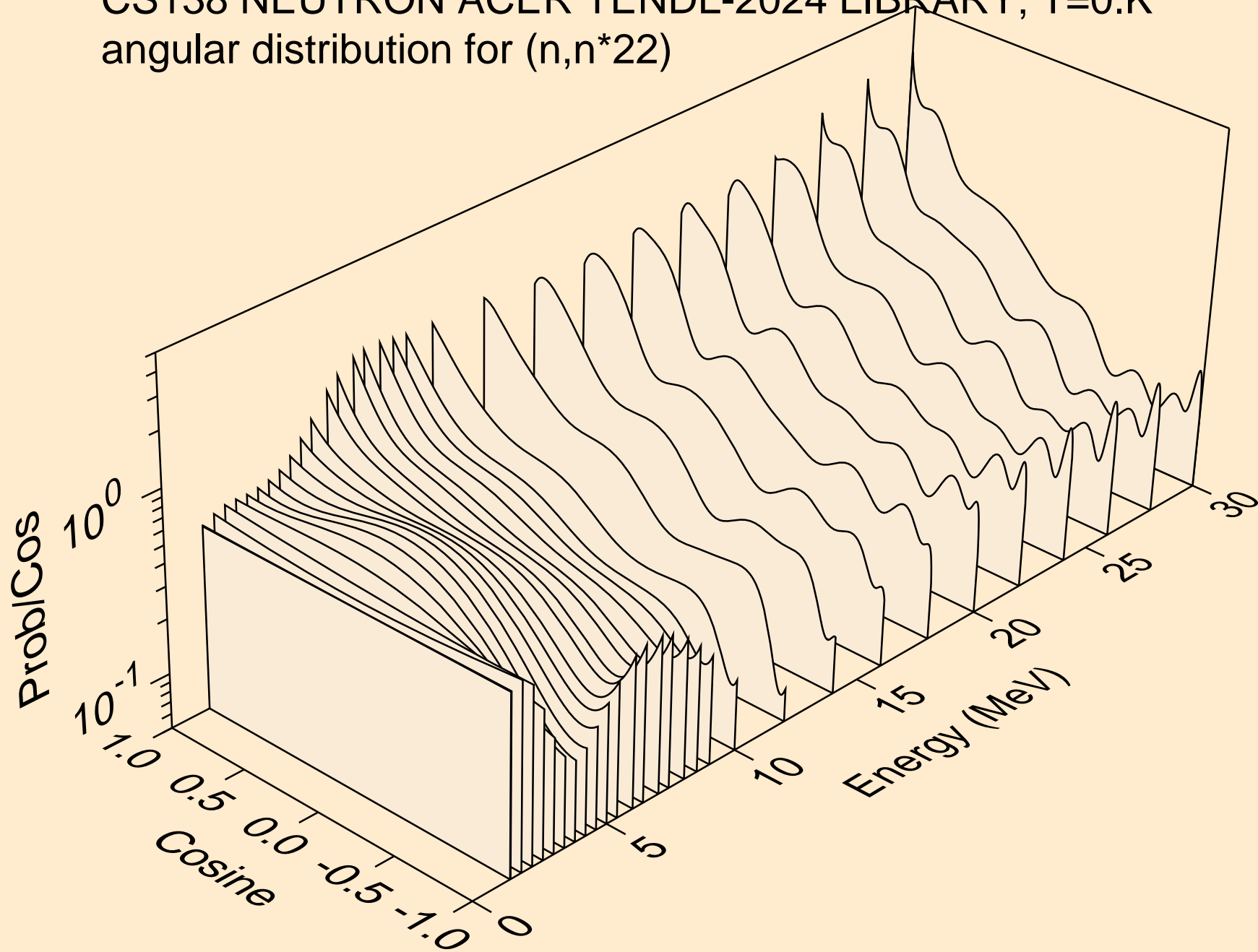
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*20)



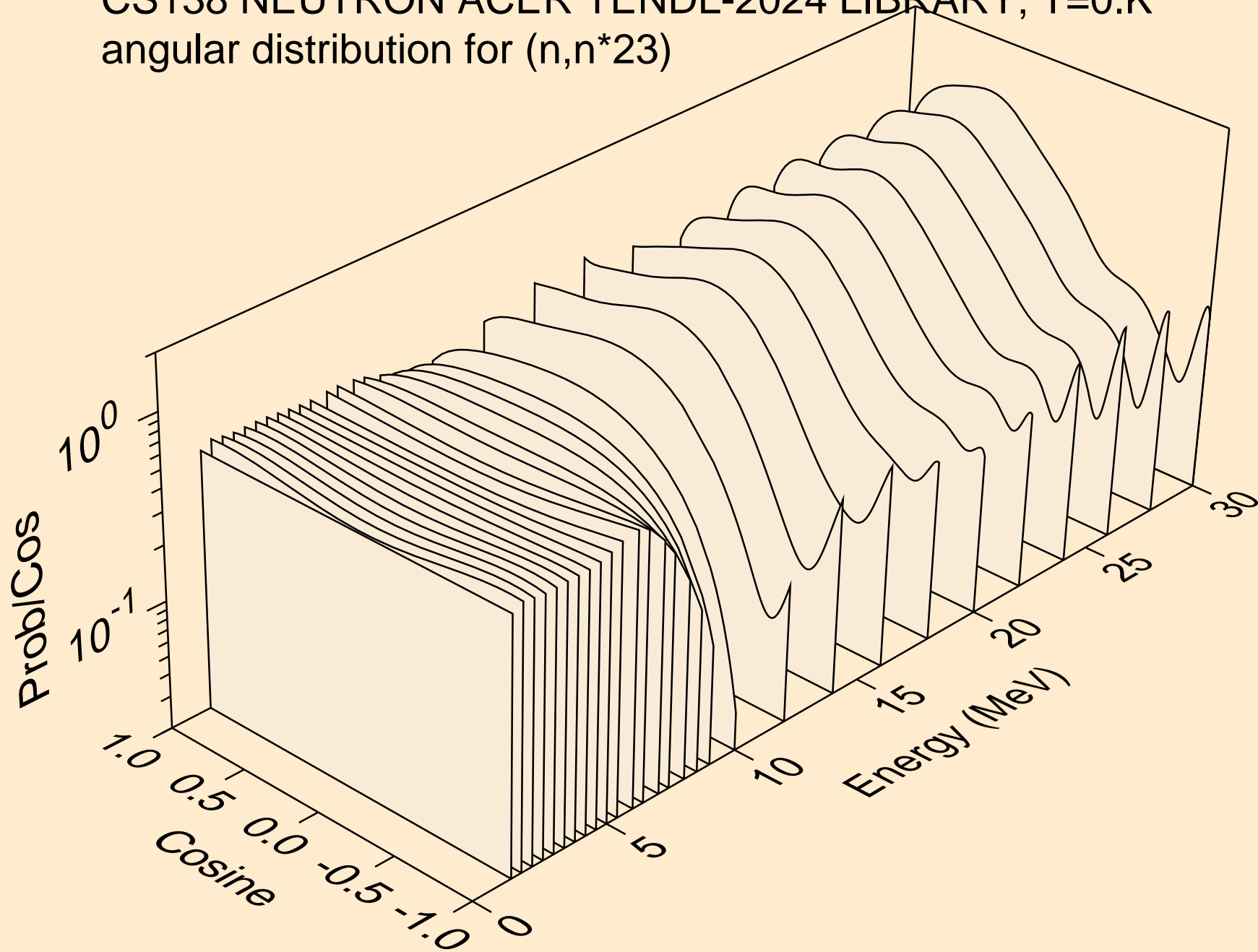
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*21)



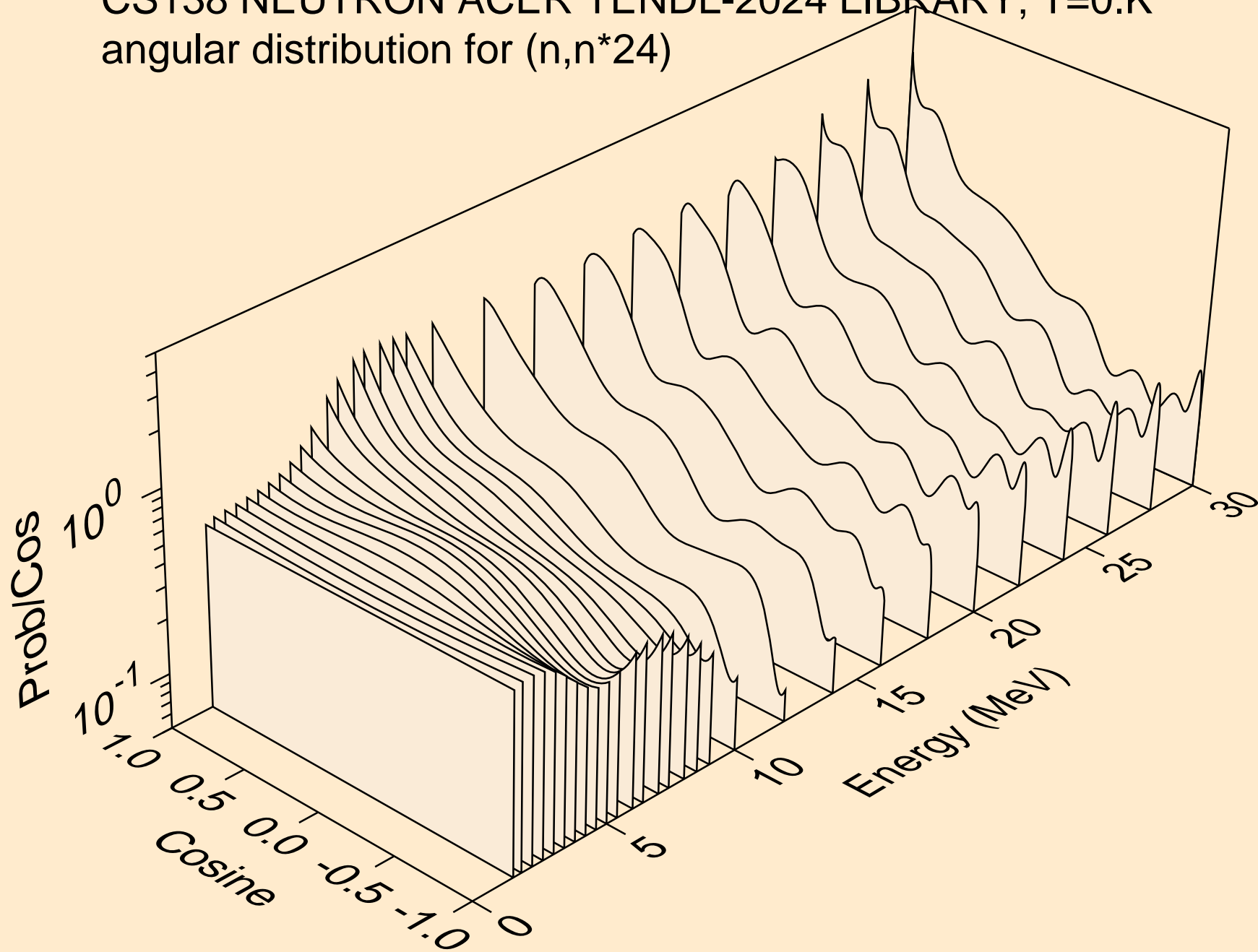
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*22)



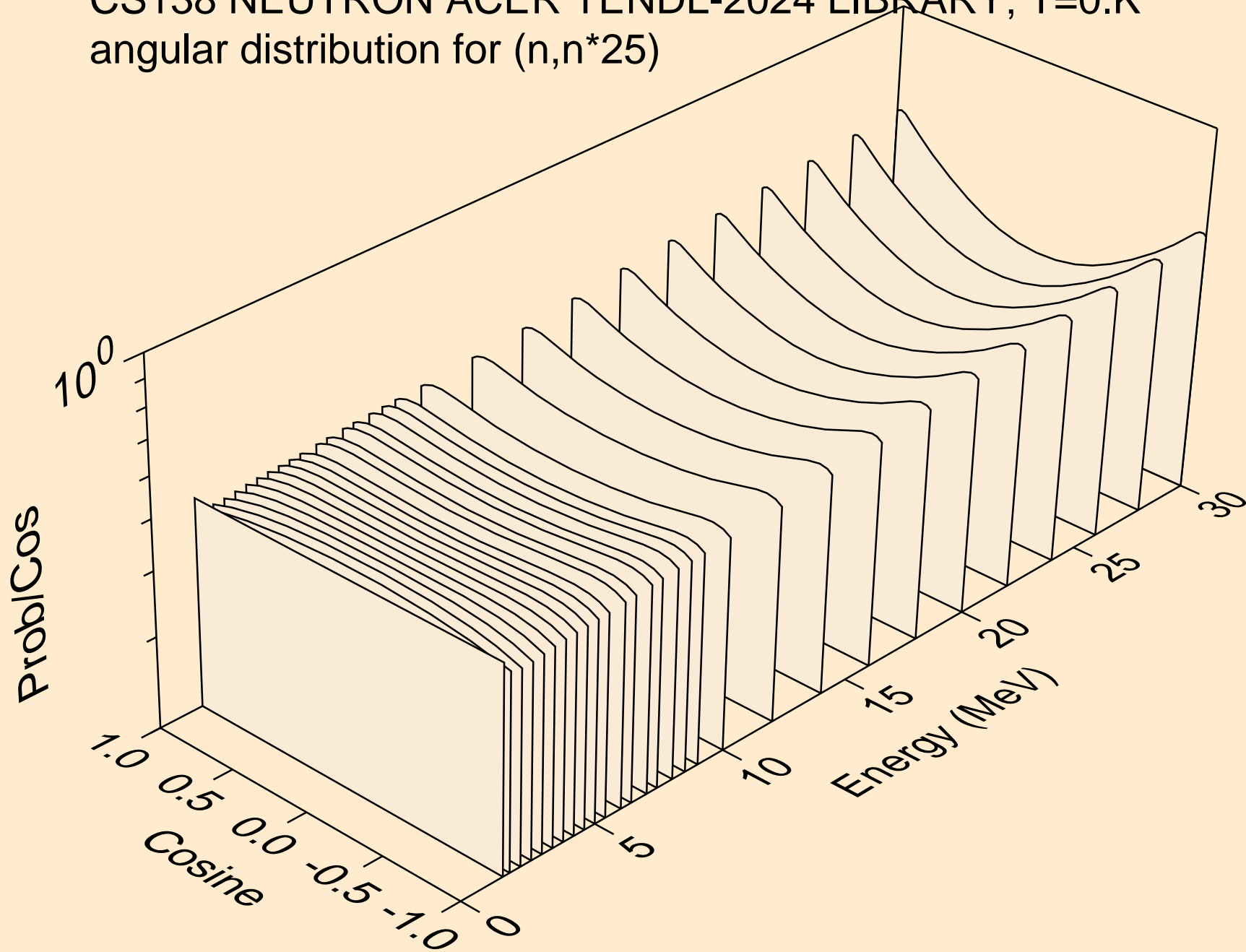
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*23)



CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*24)

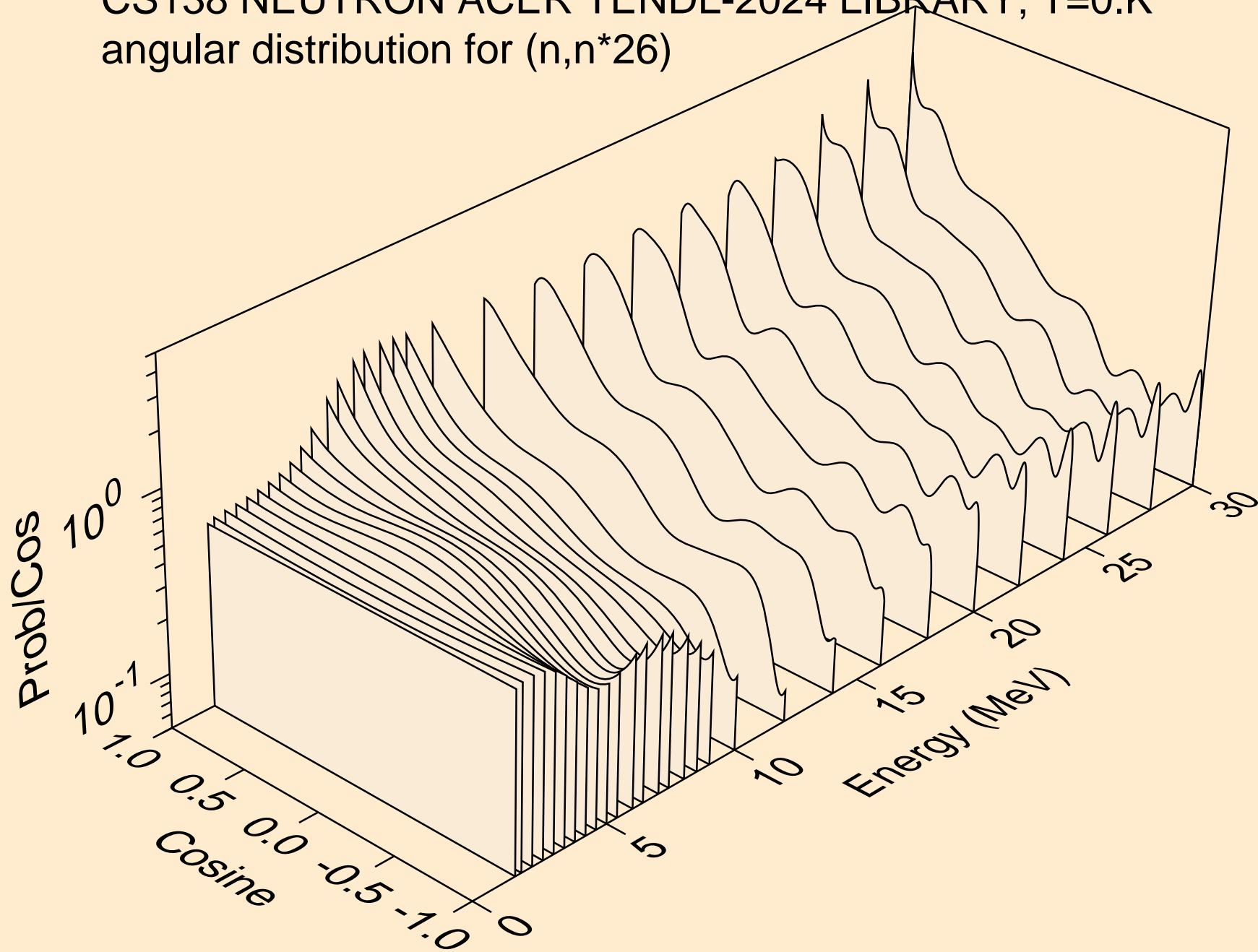


CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*25)

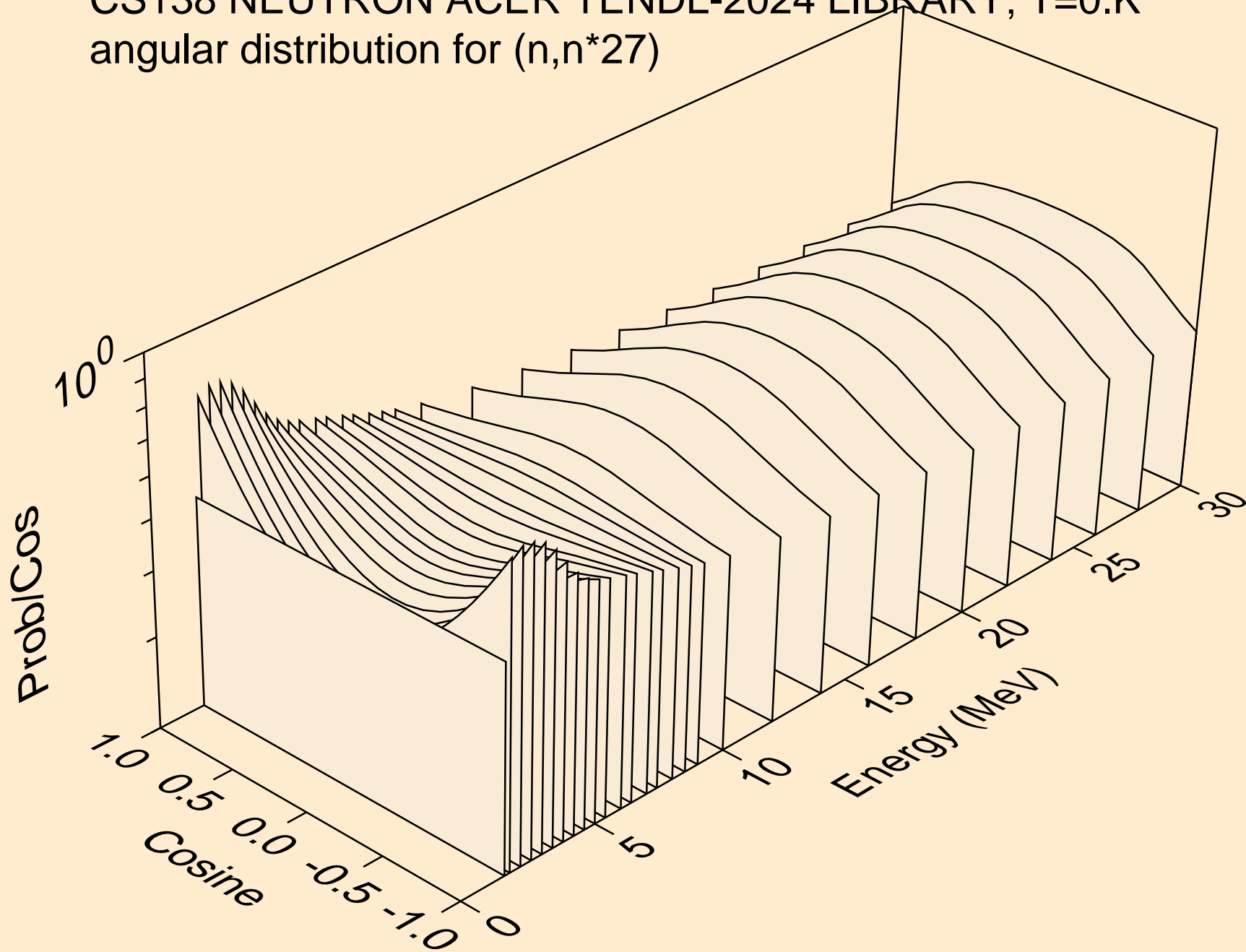




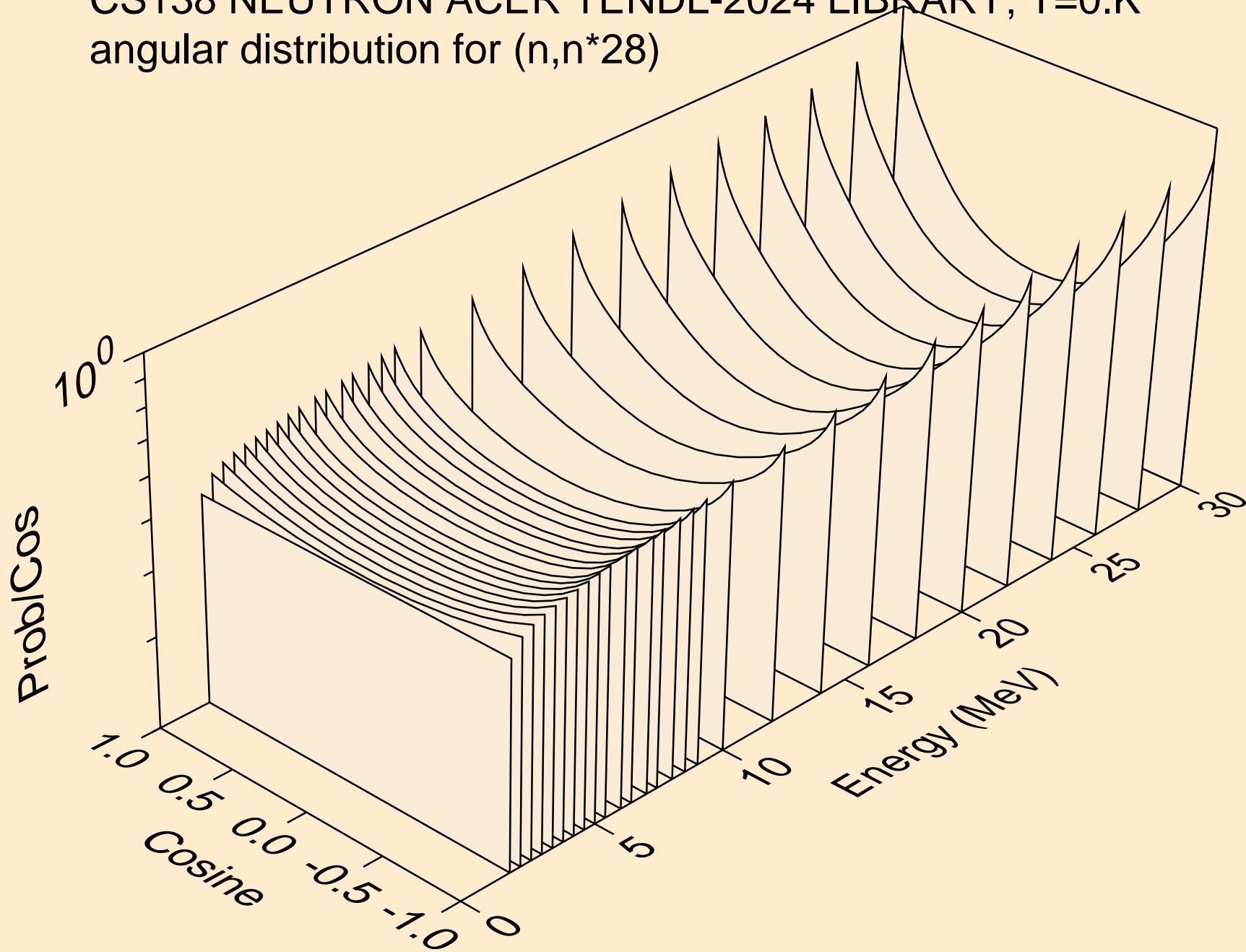
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



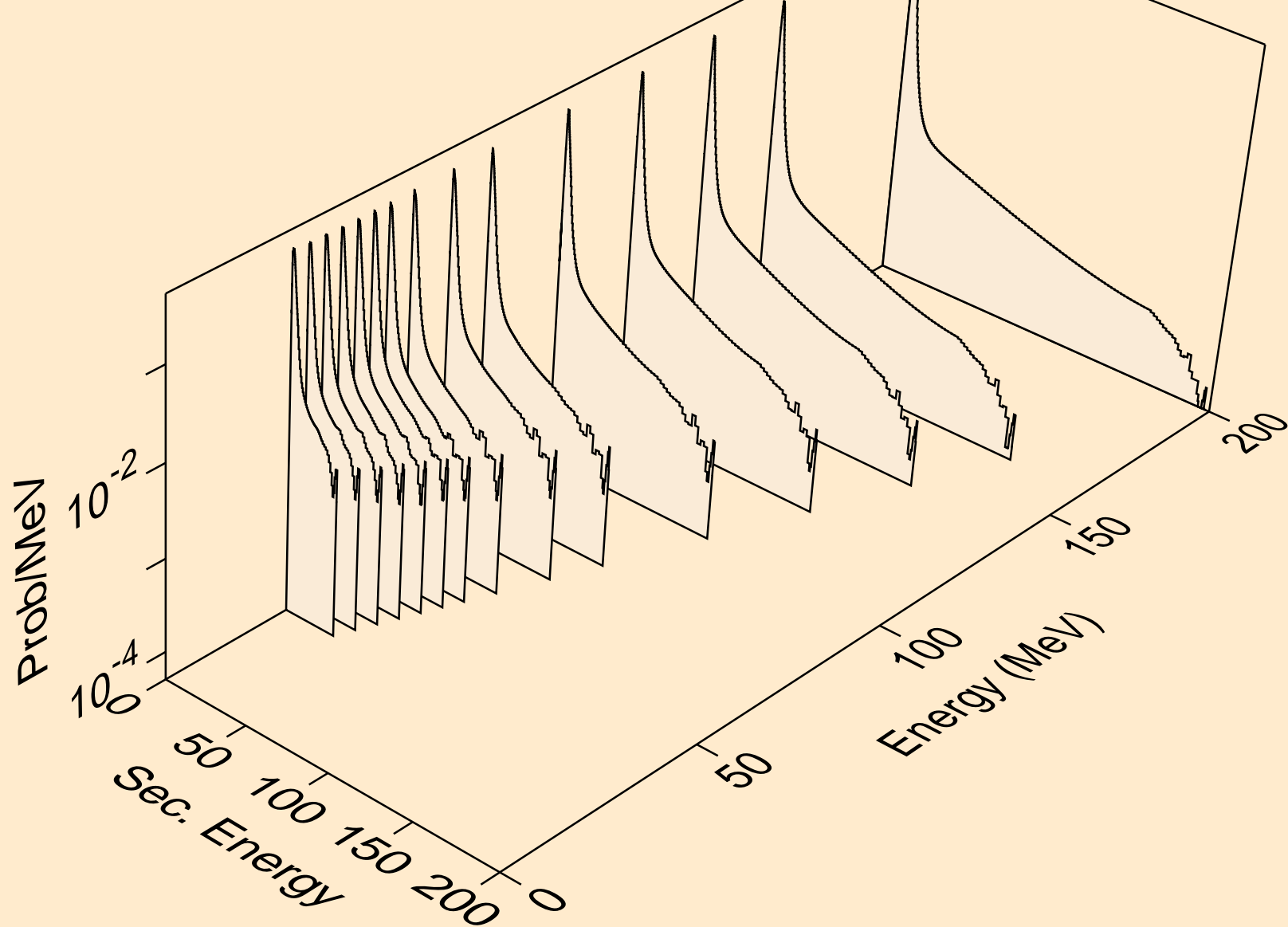
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



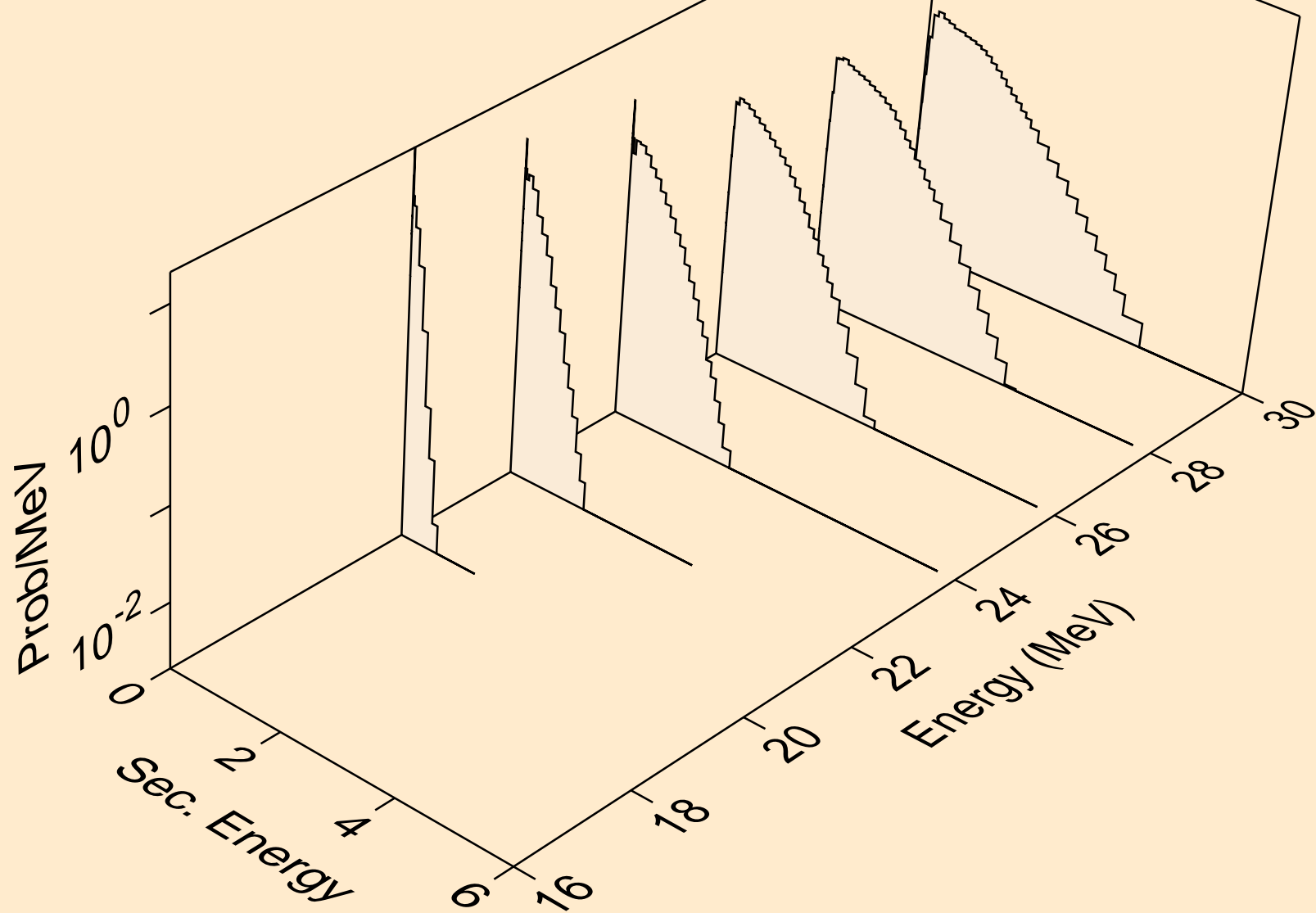
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*28)



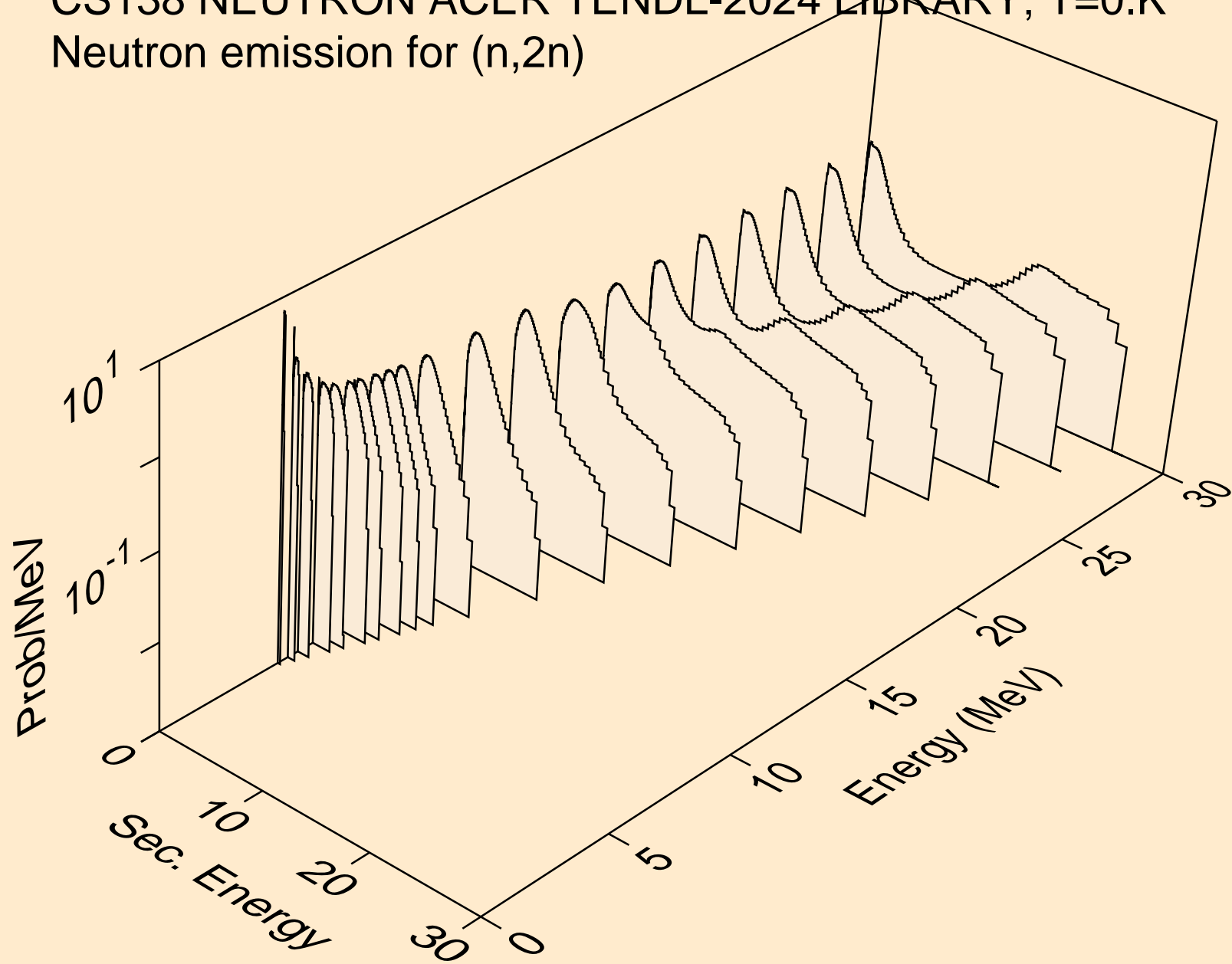
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



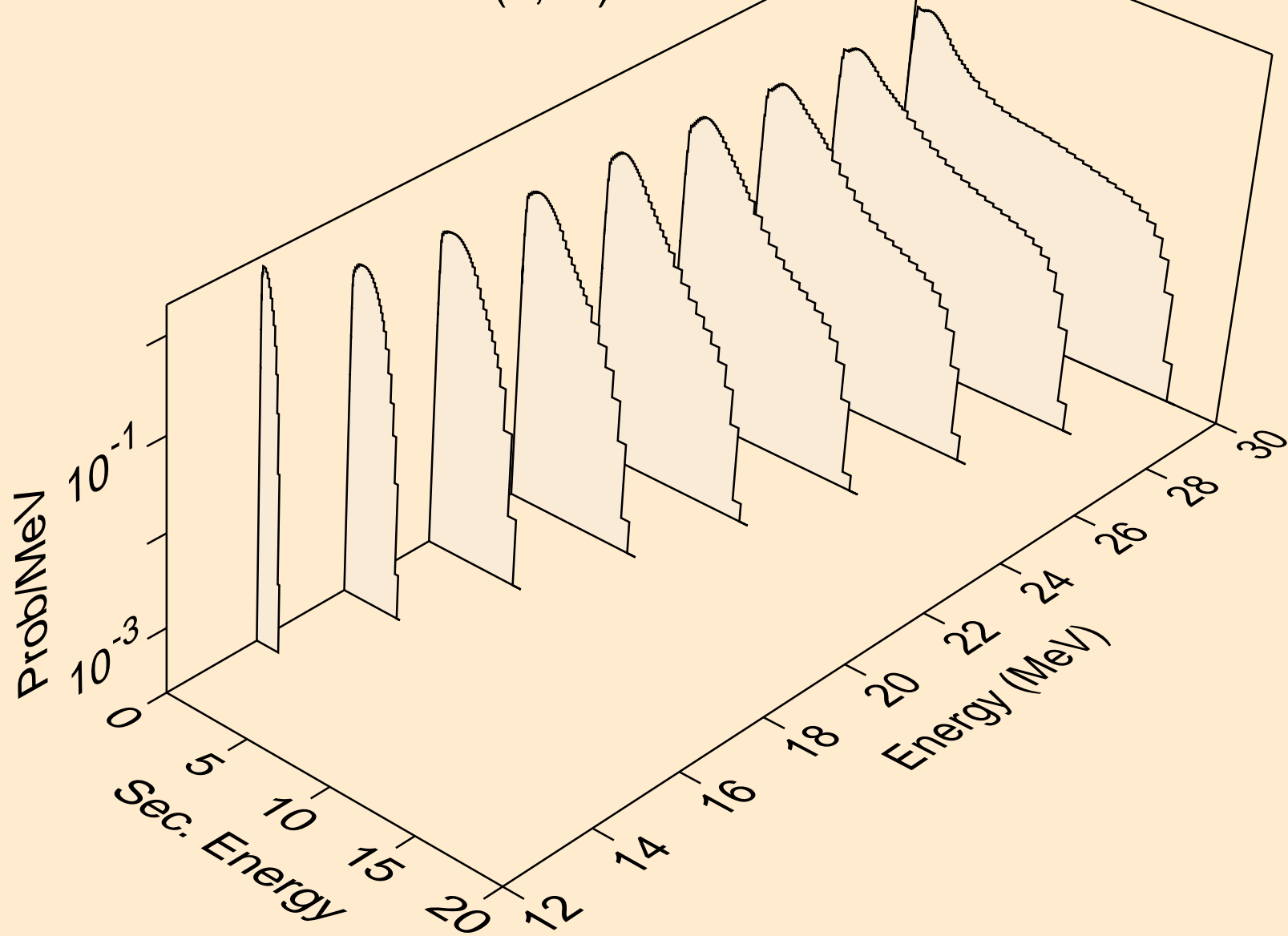
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



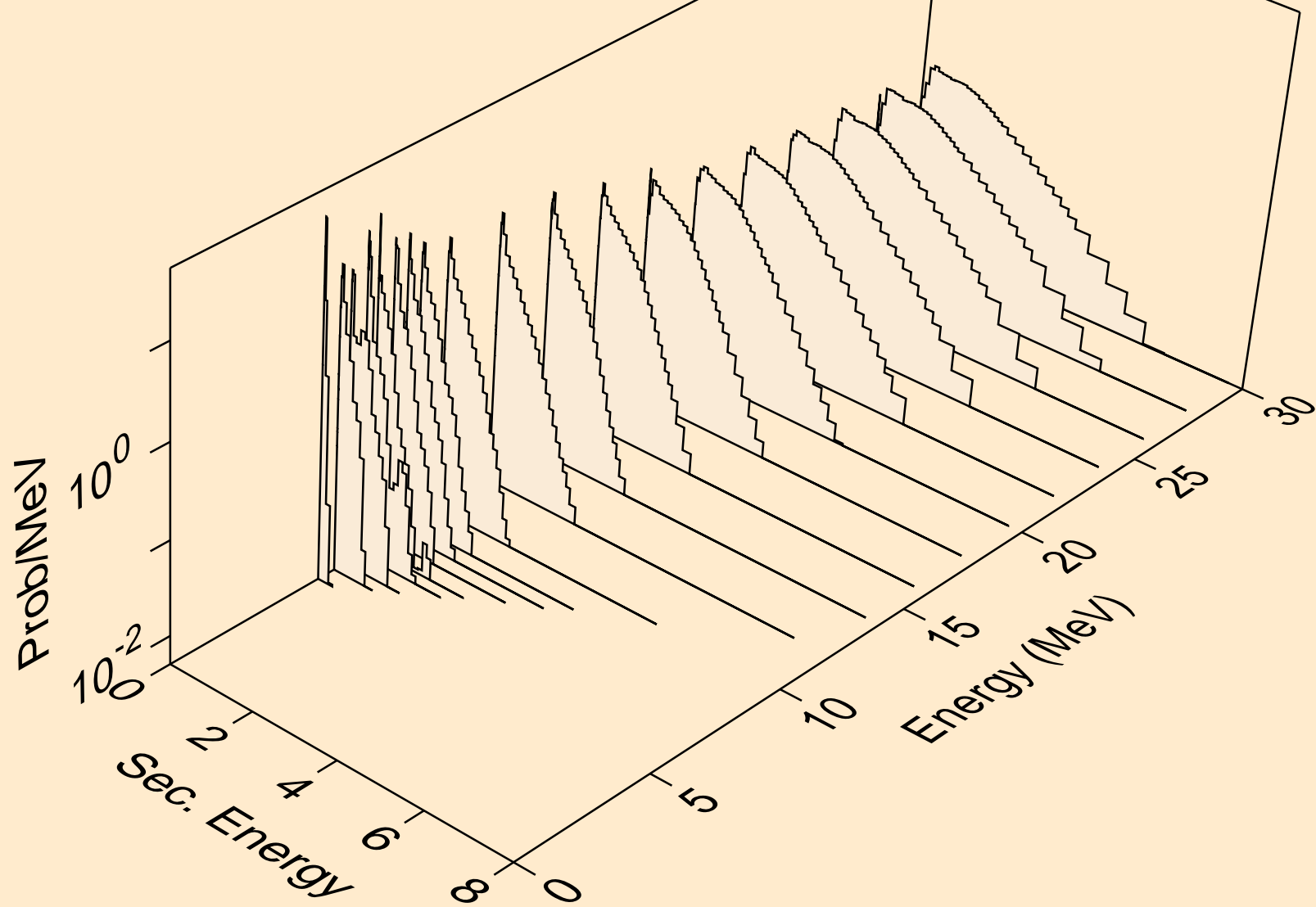
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)

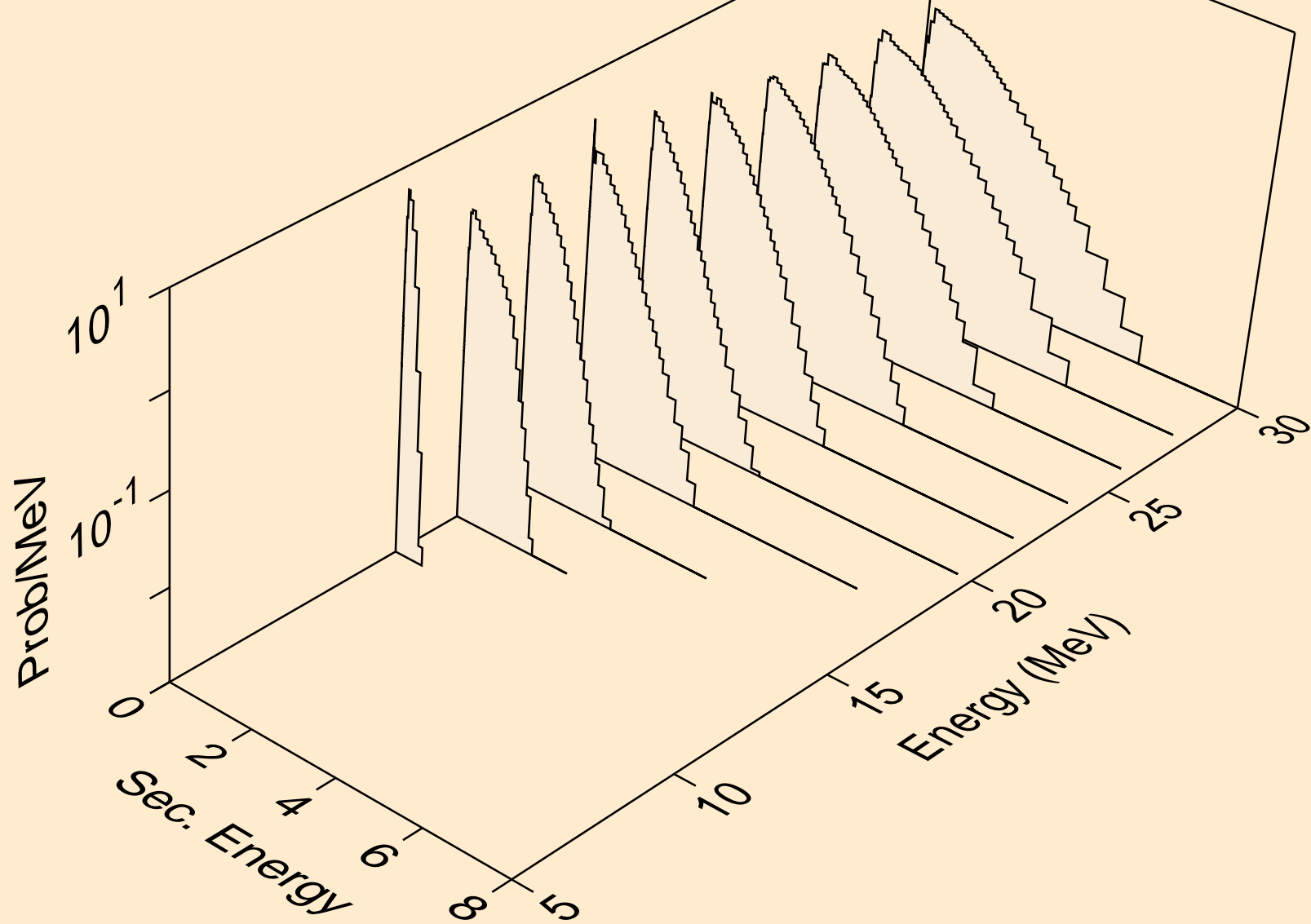


CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

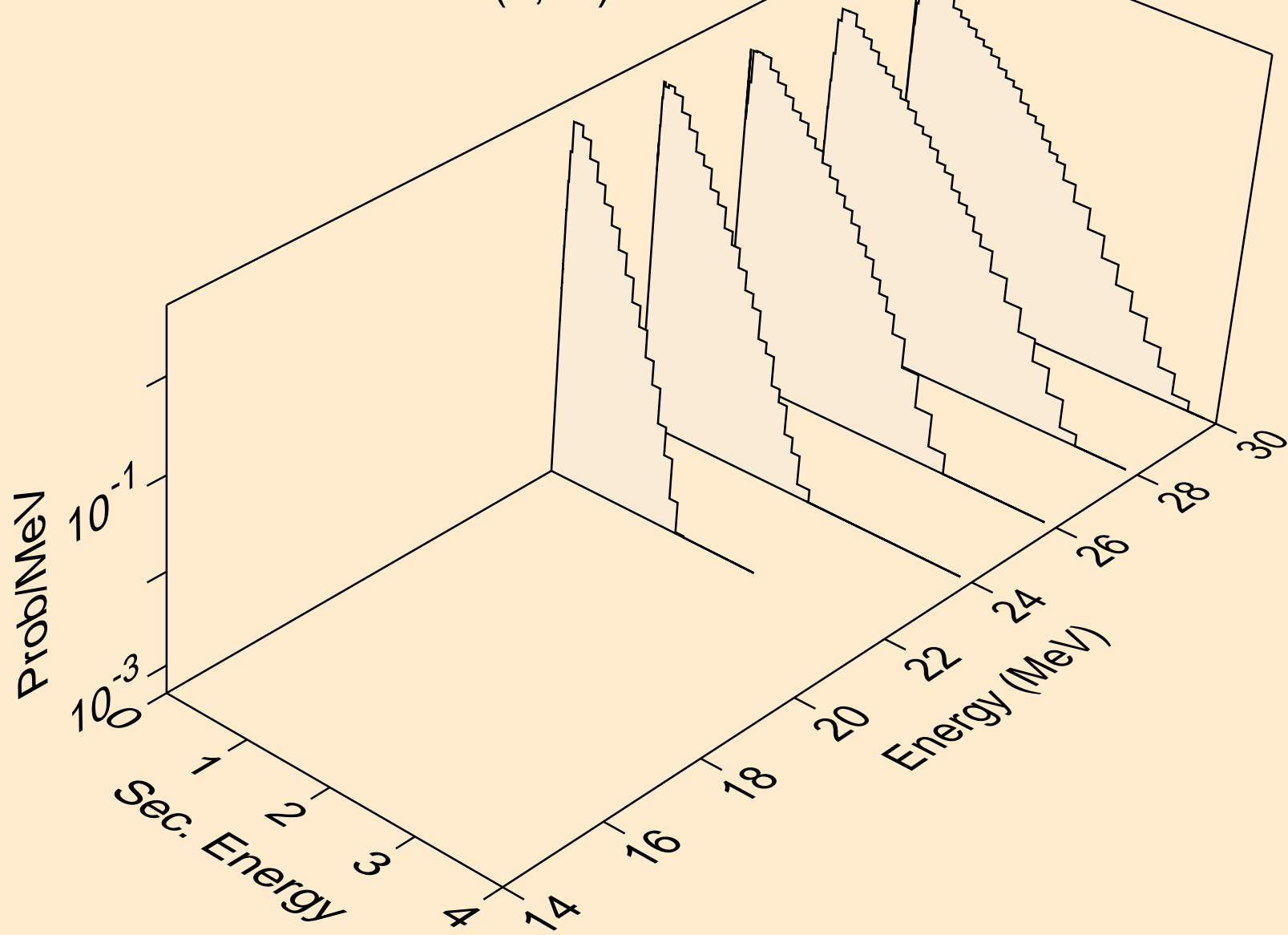




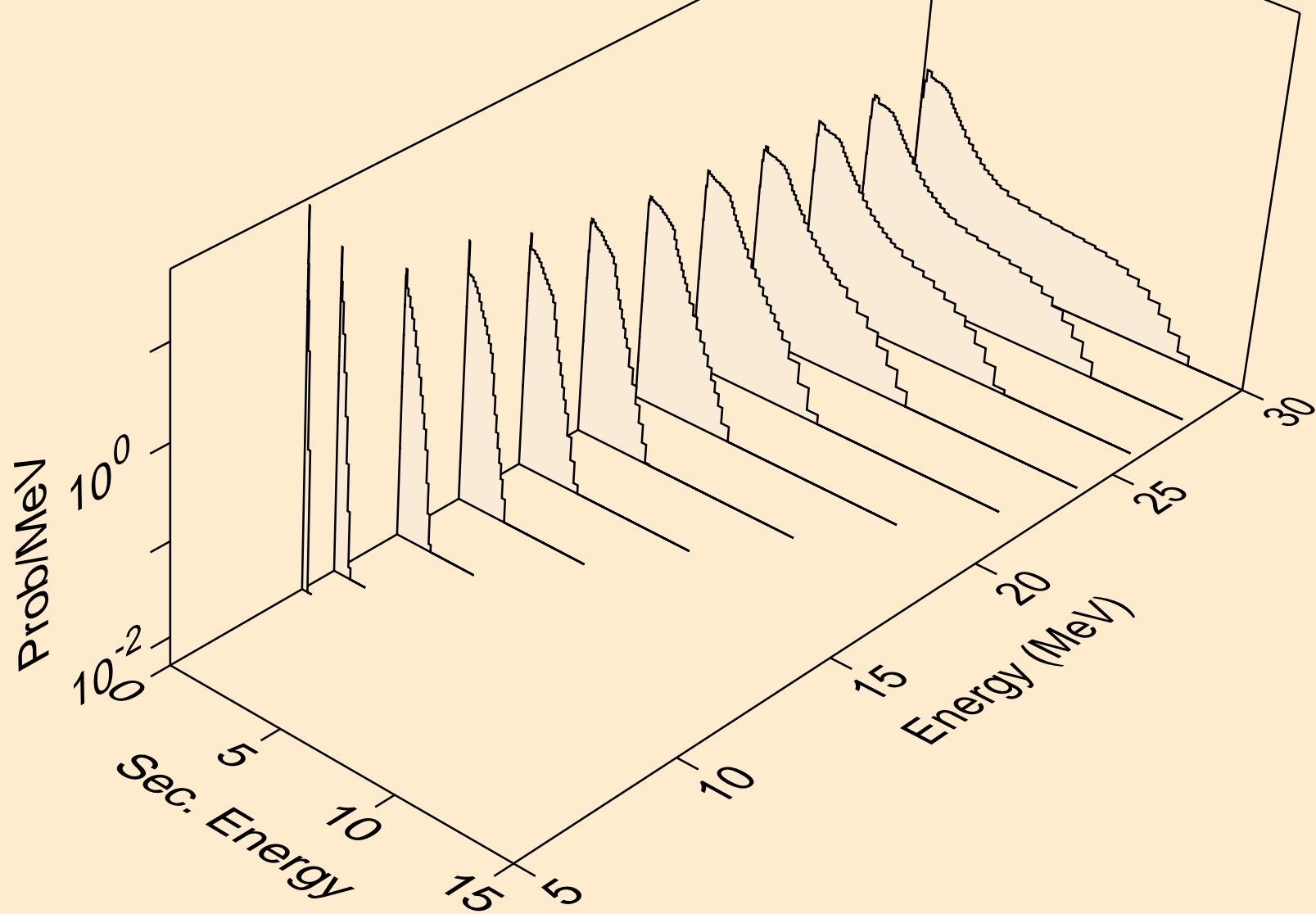
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



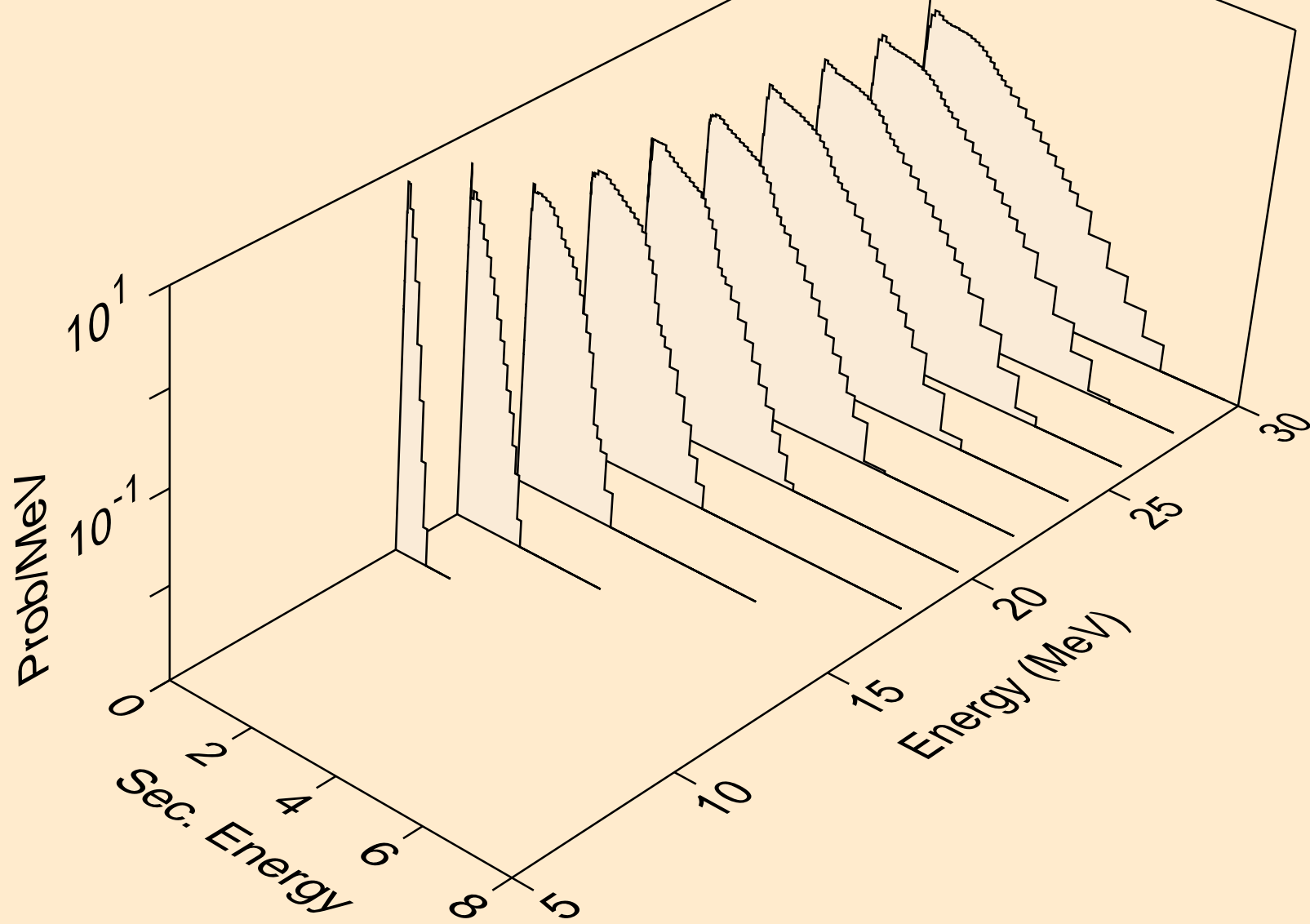
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



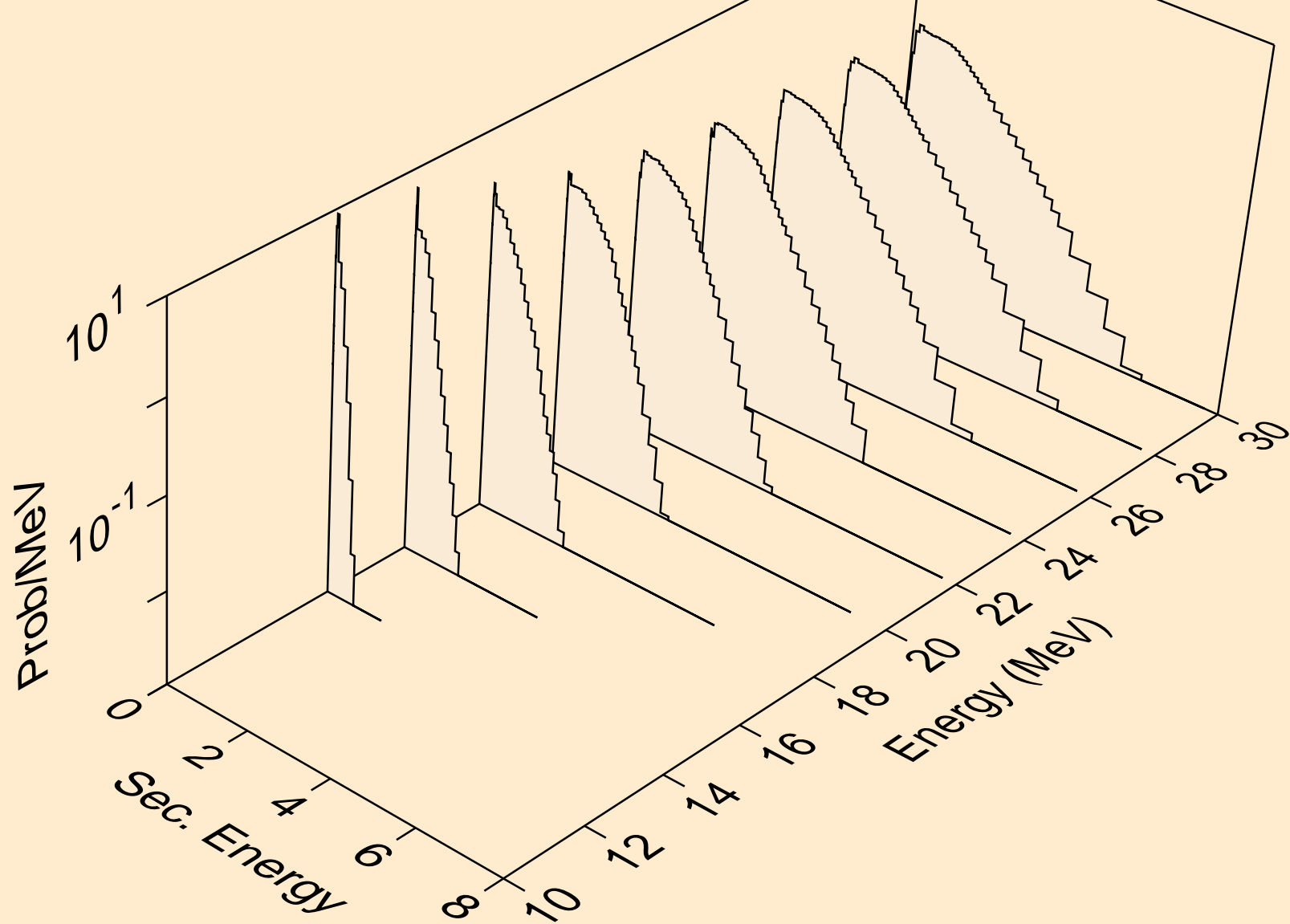
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



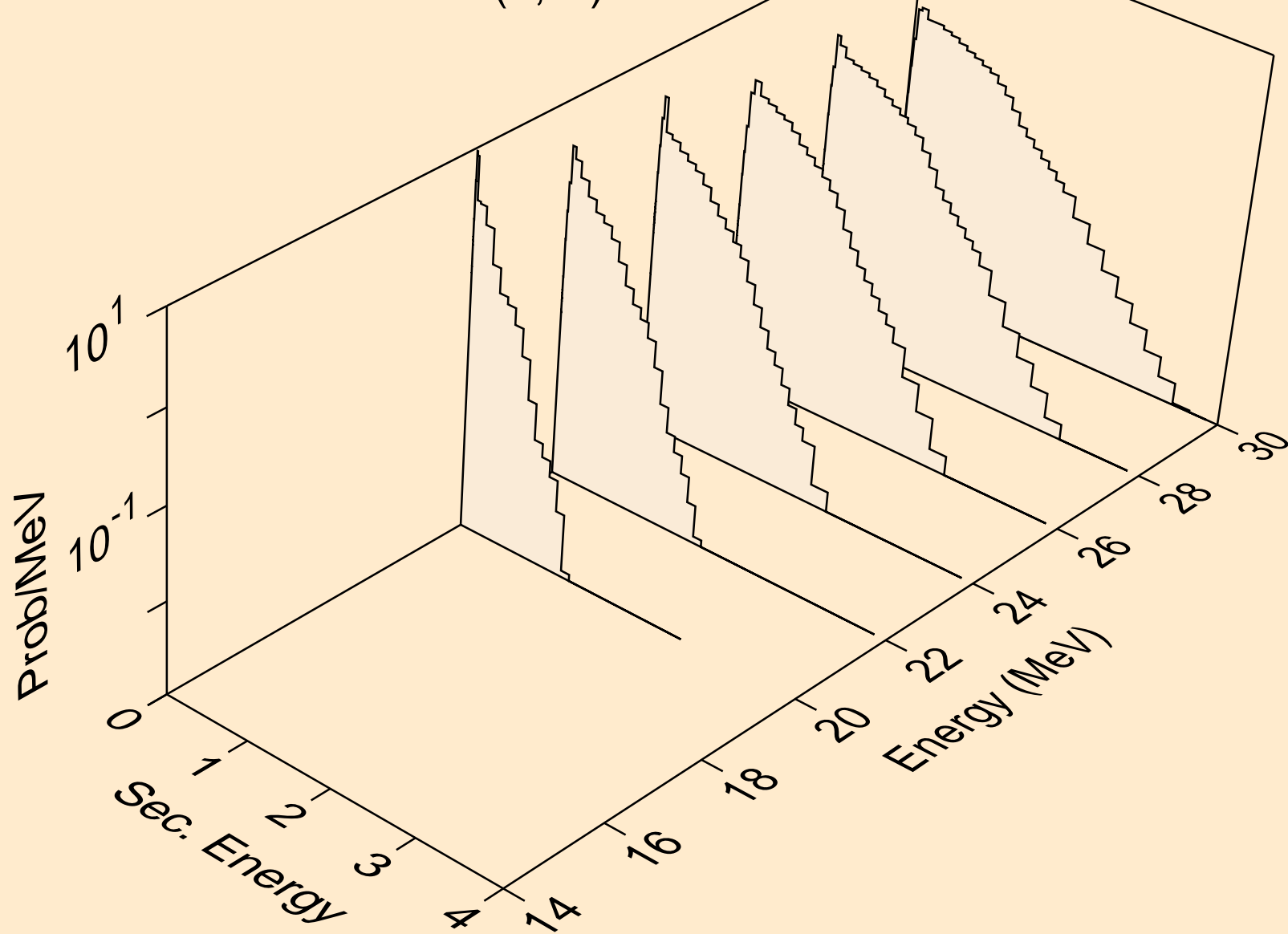
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



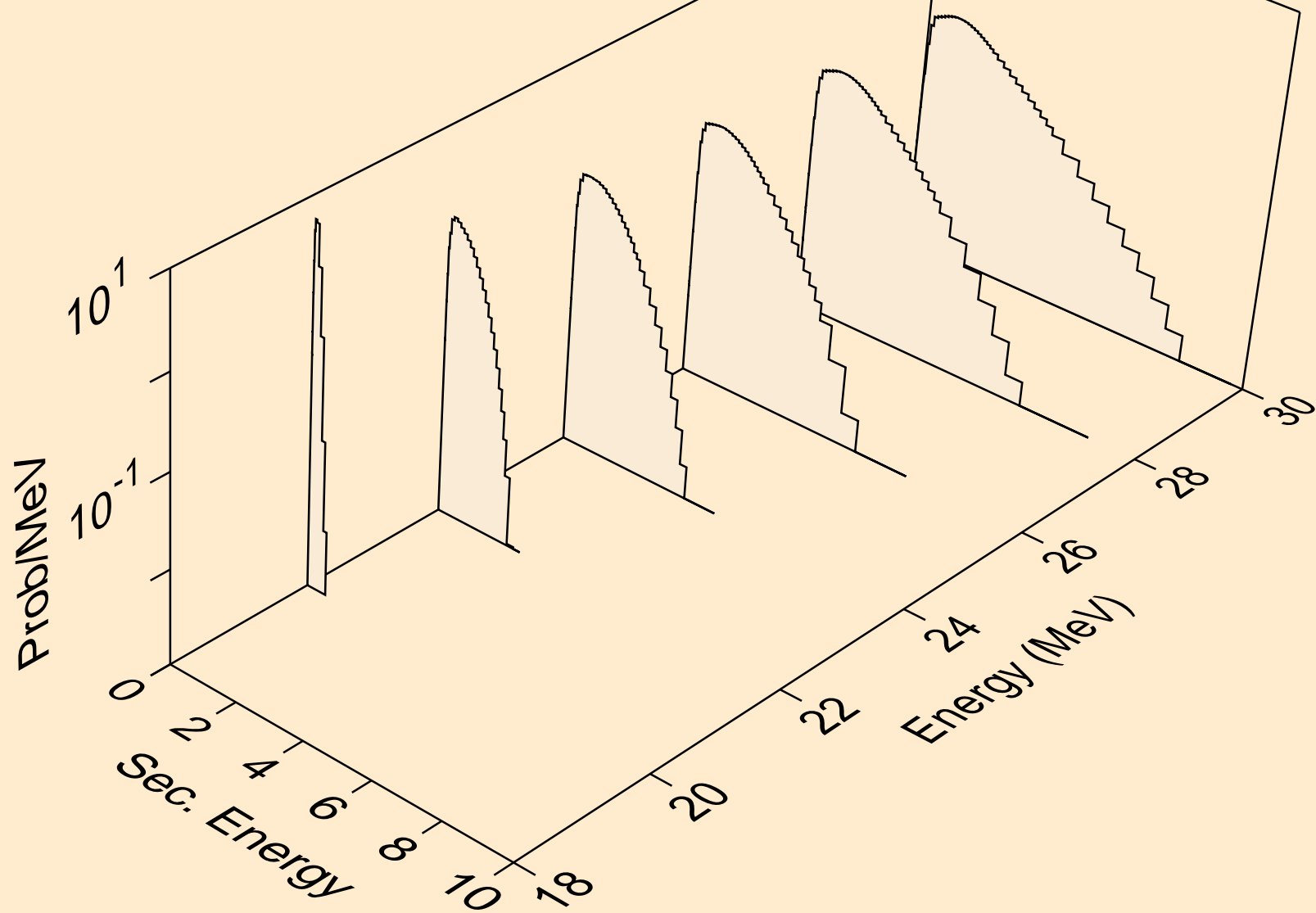
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



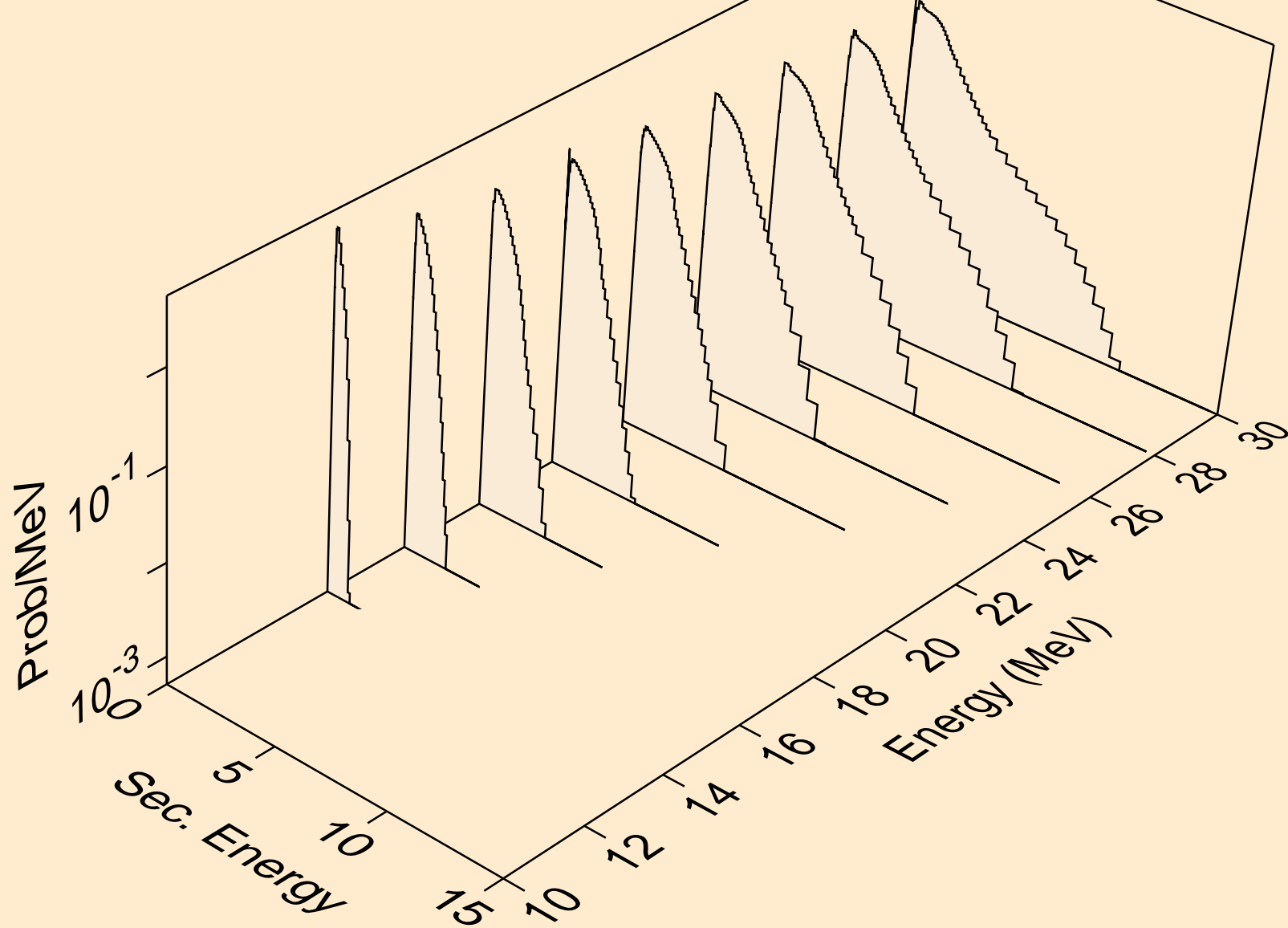
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)

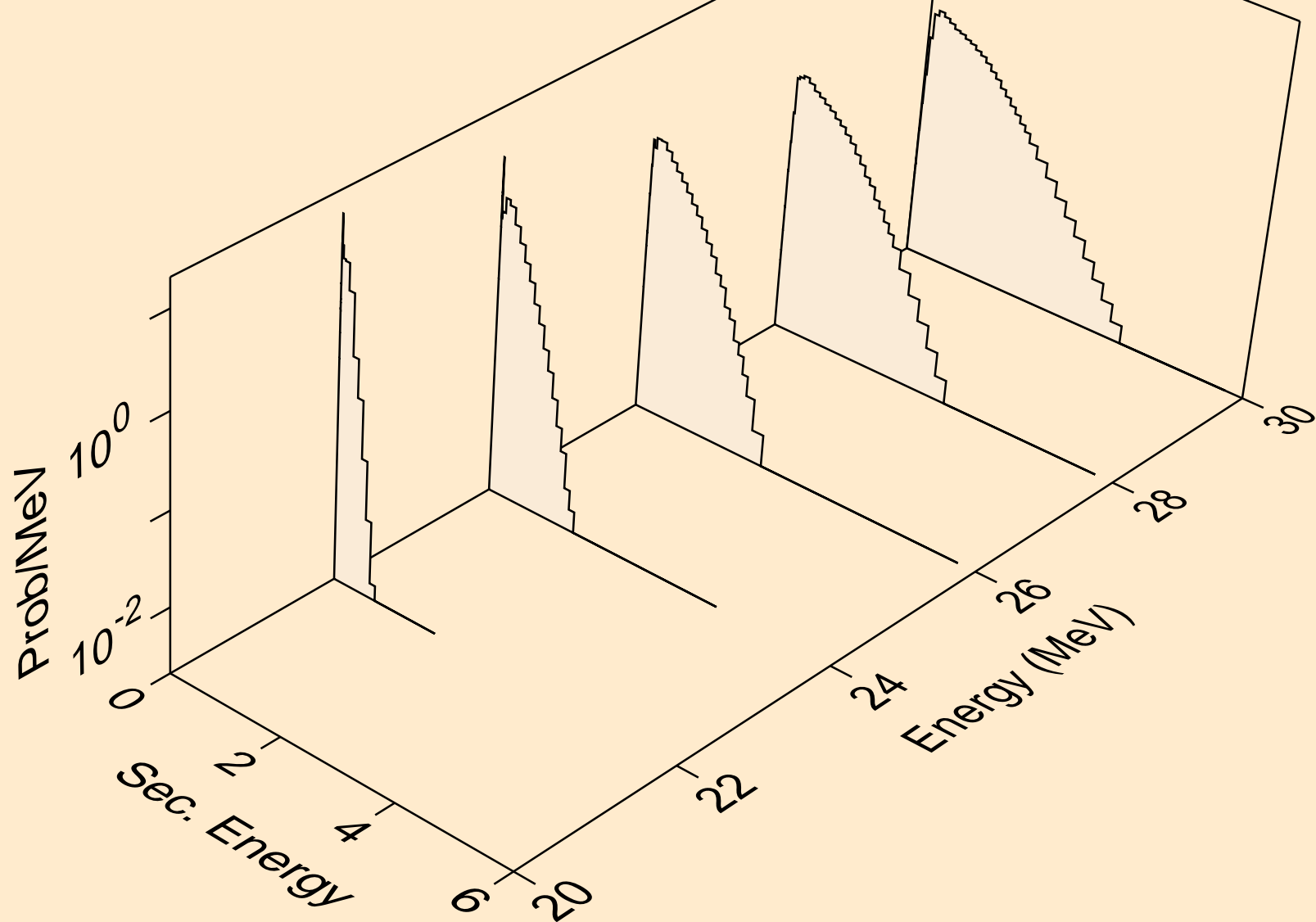


CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)

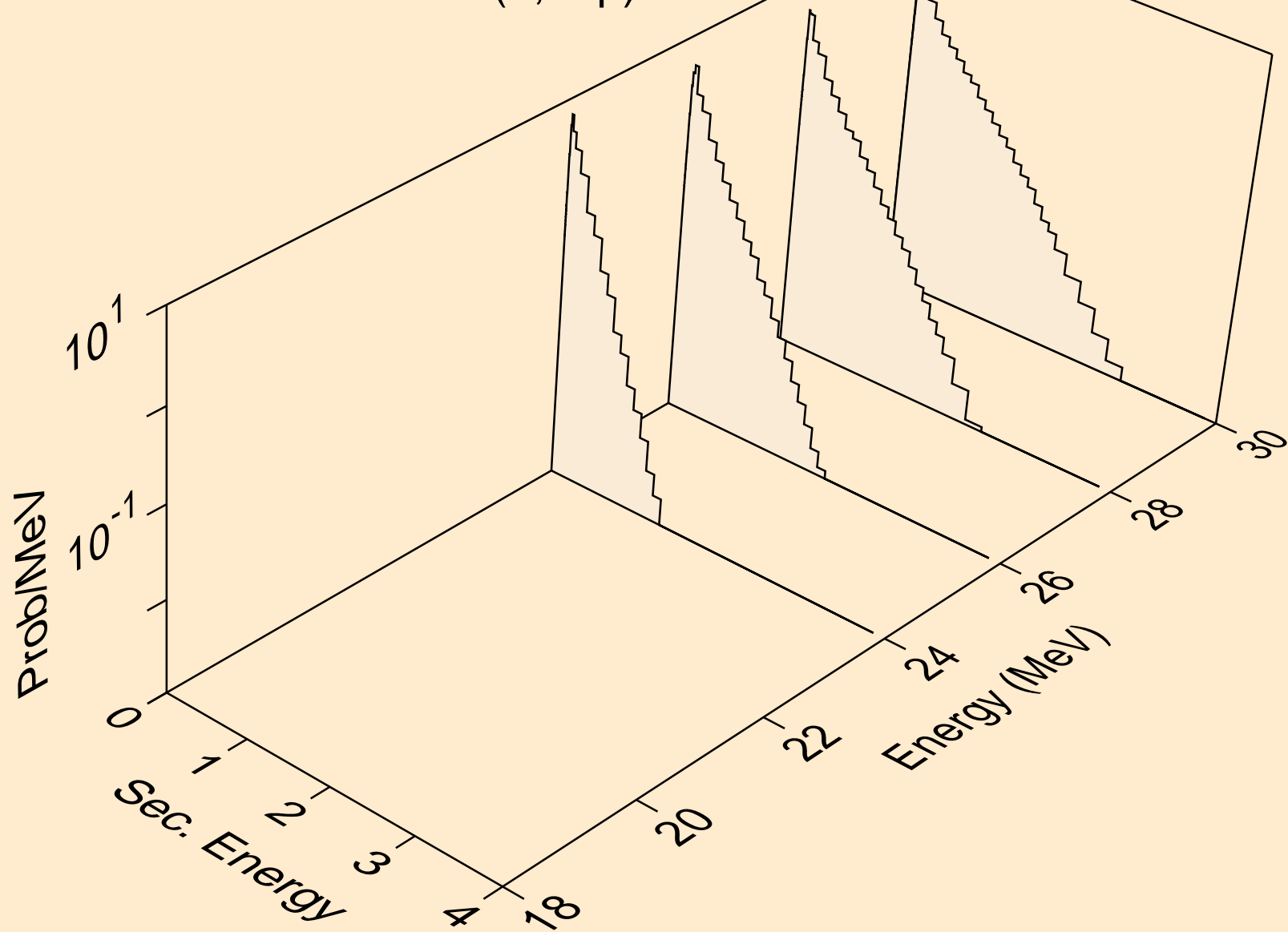




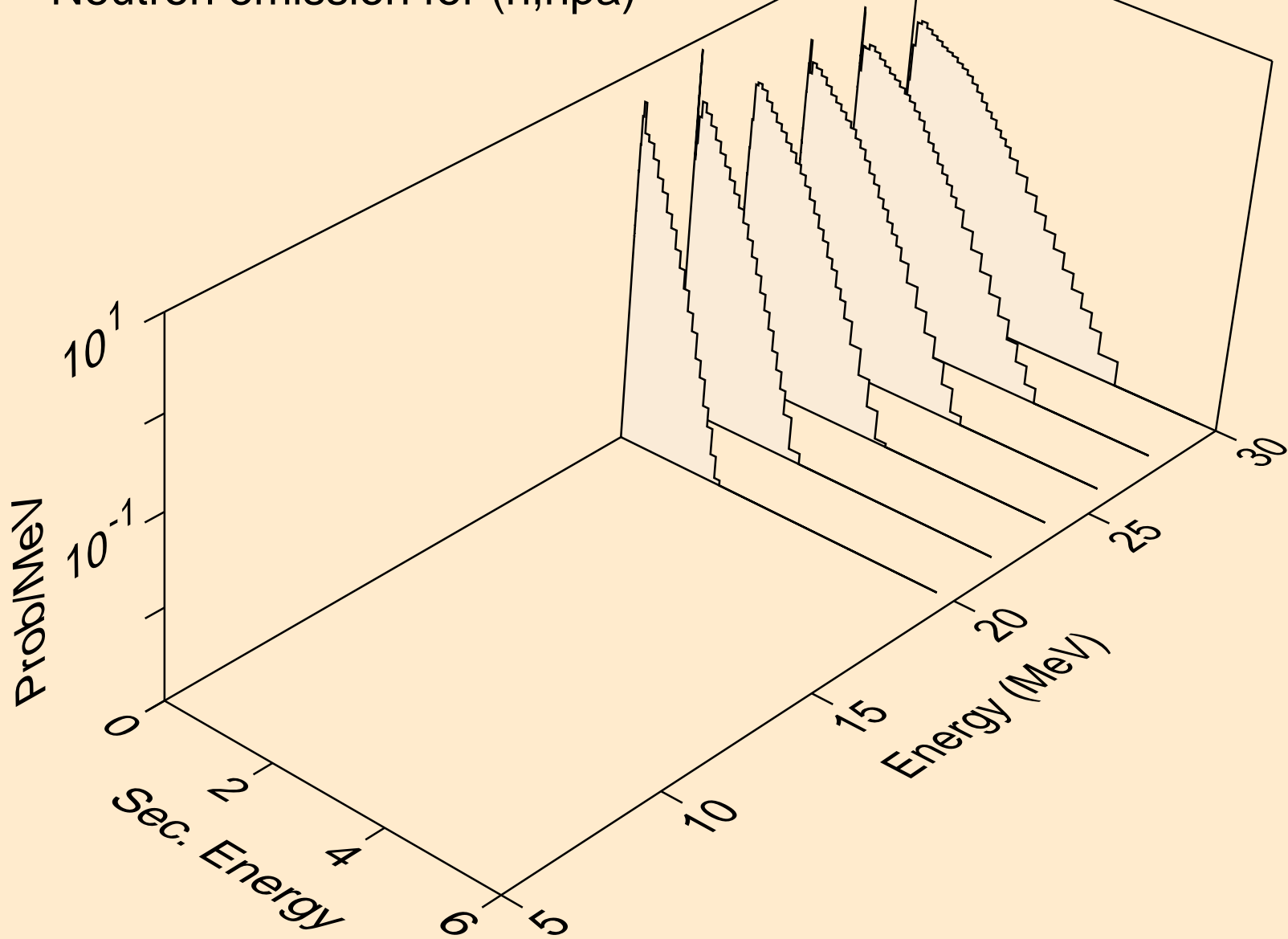
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)



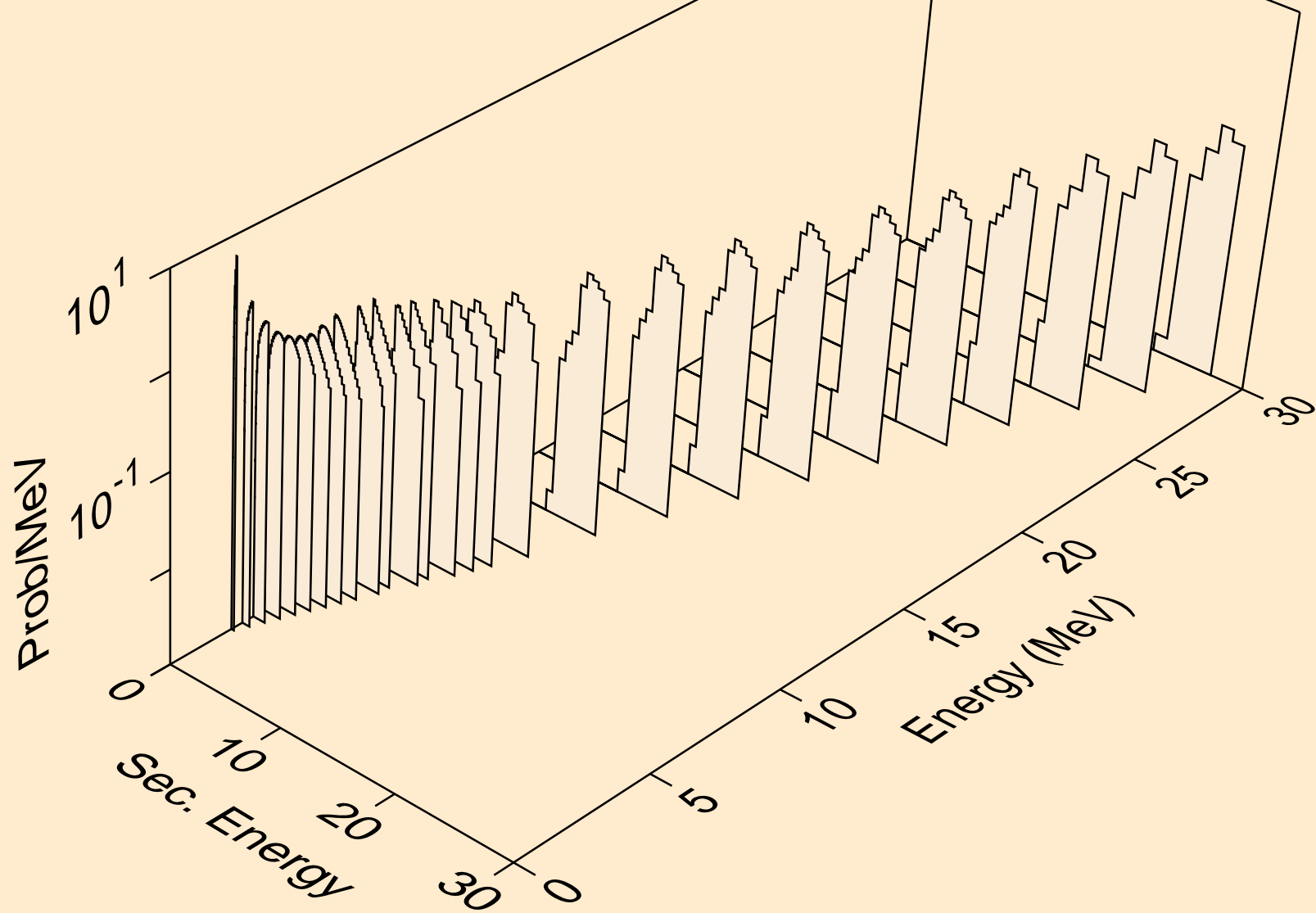
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



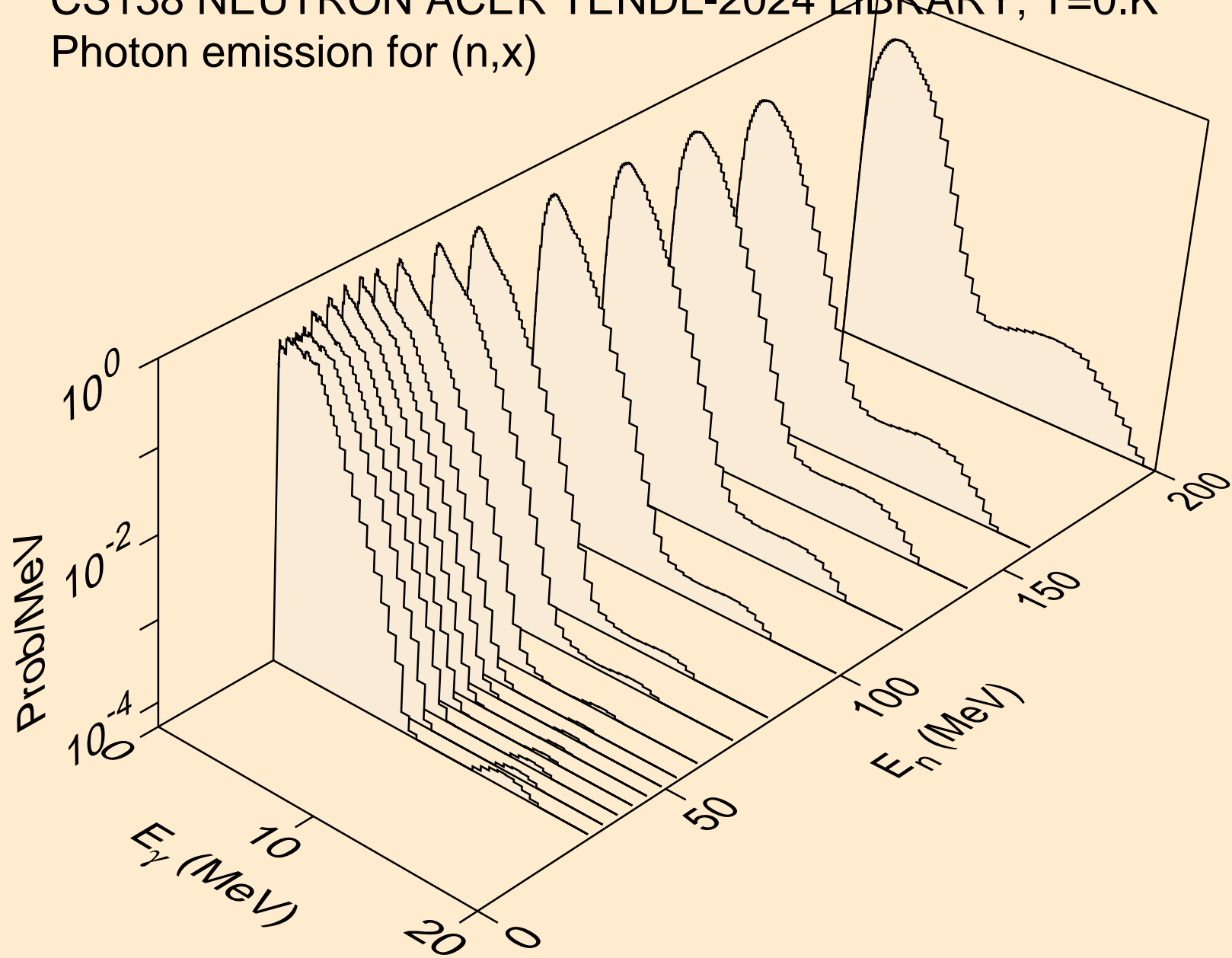
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)



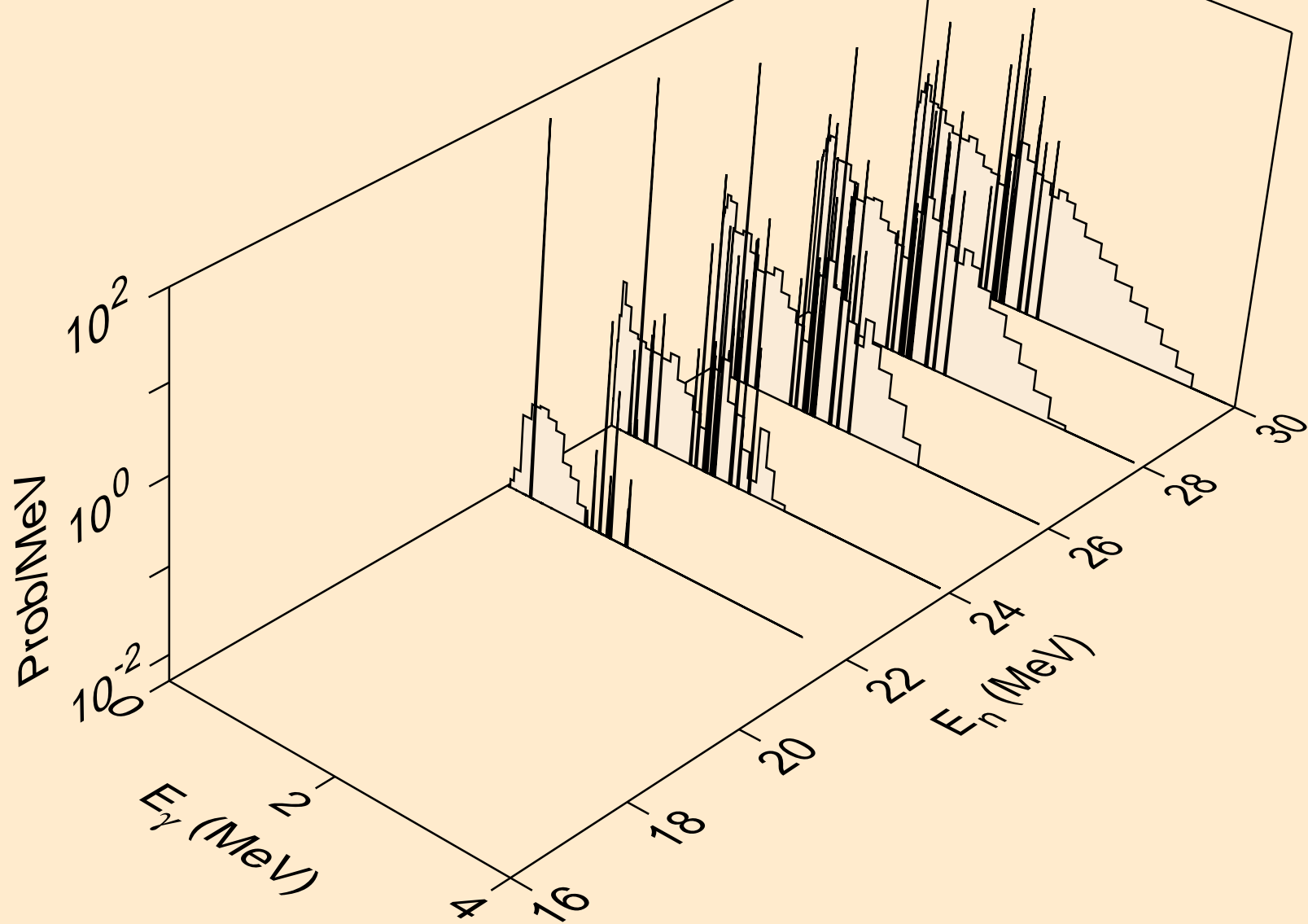
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



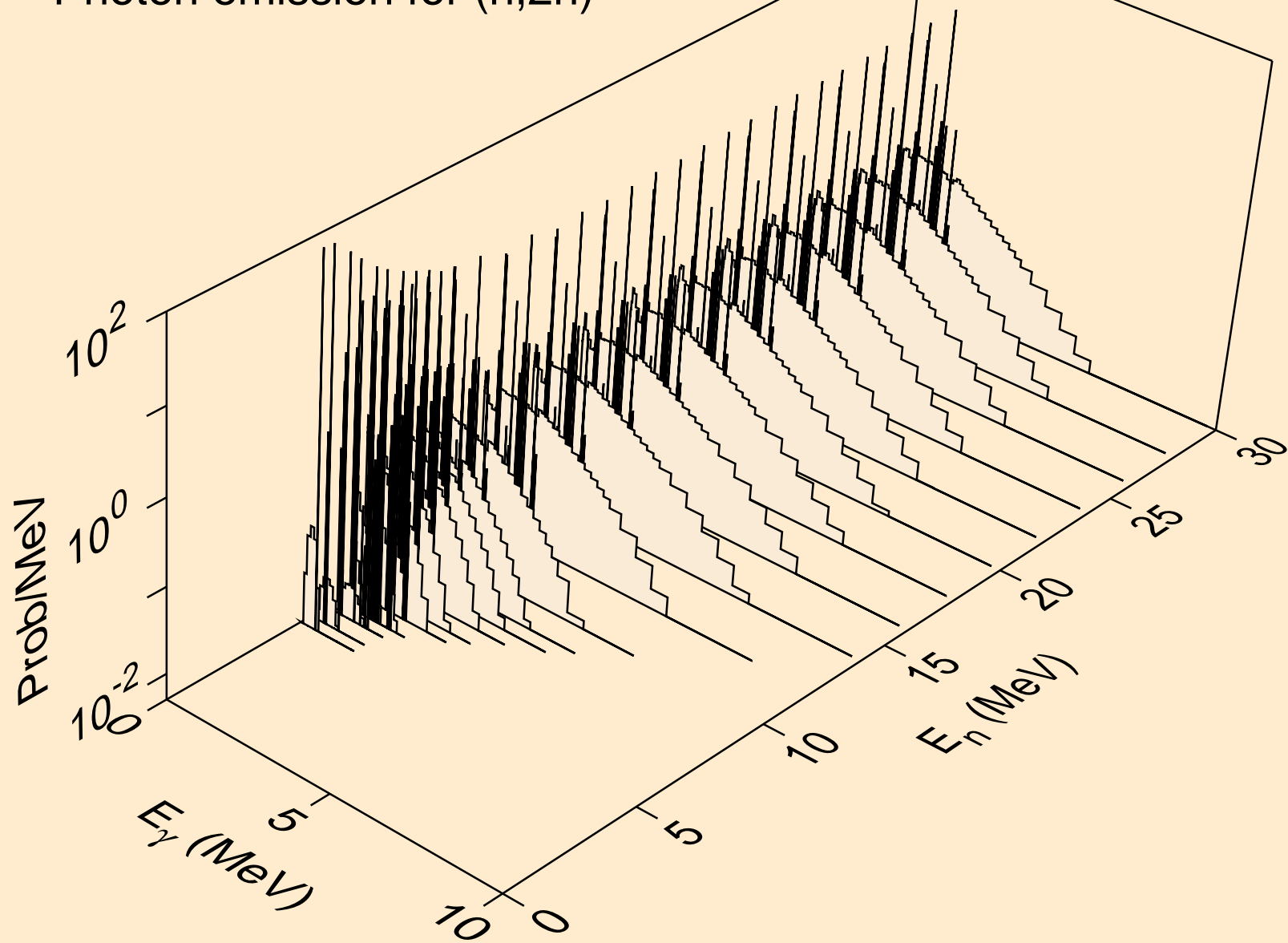
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



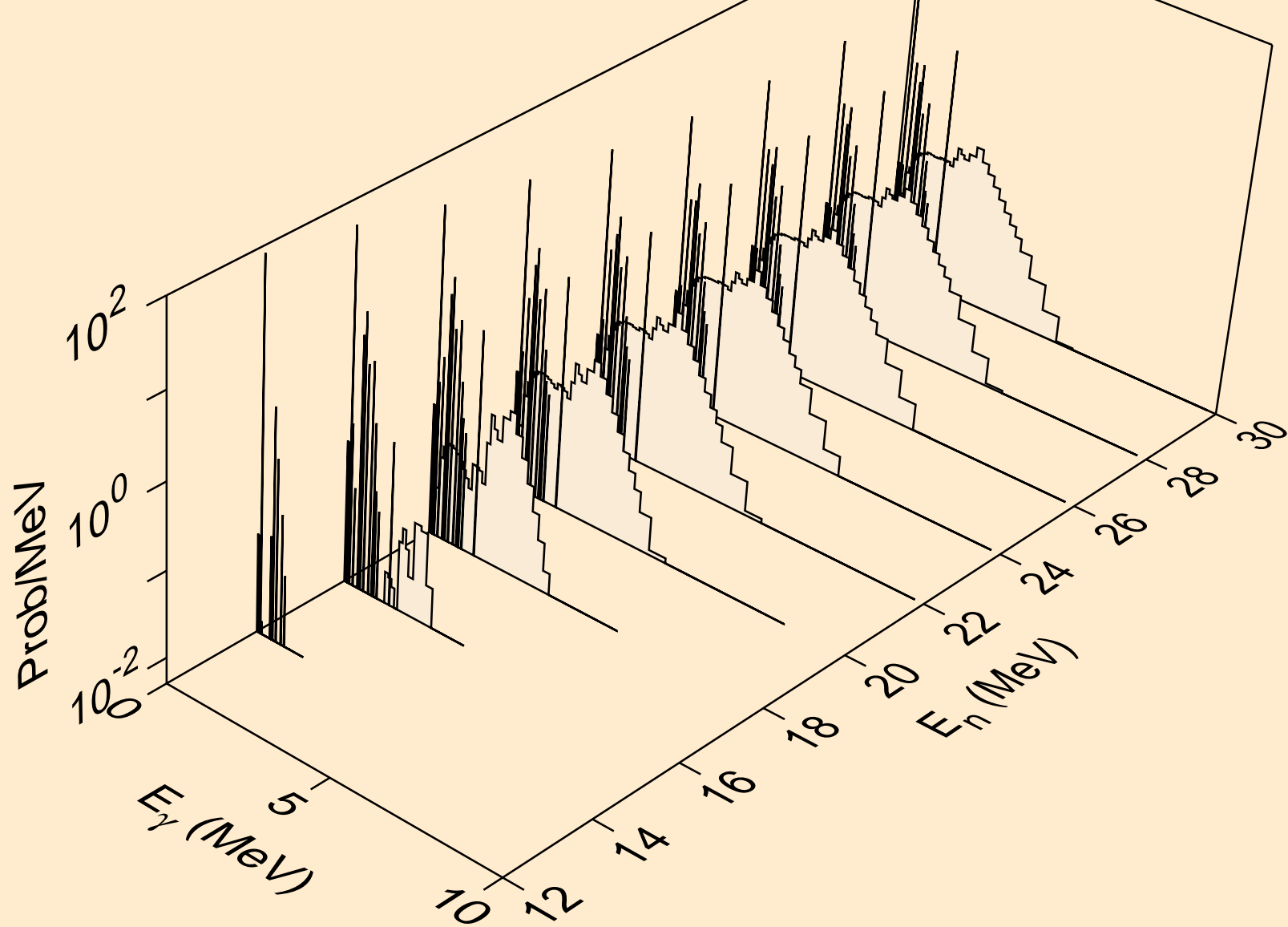
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)

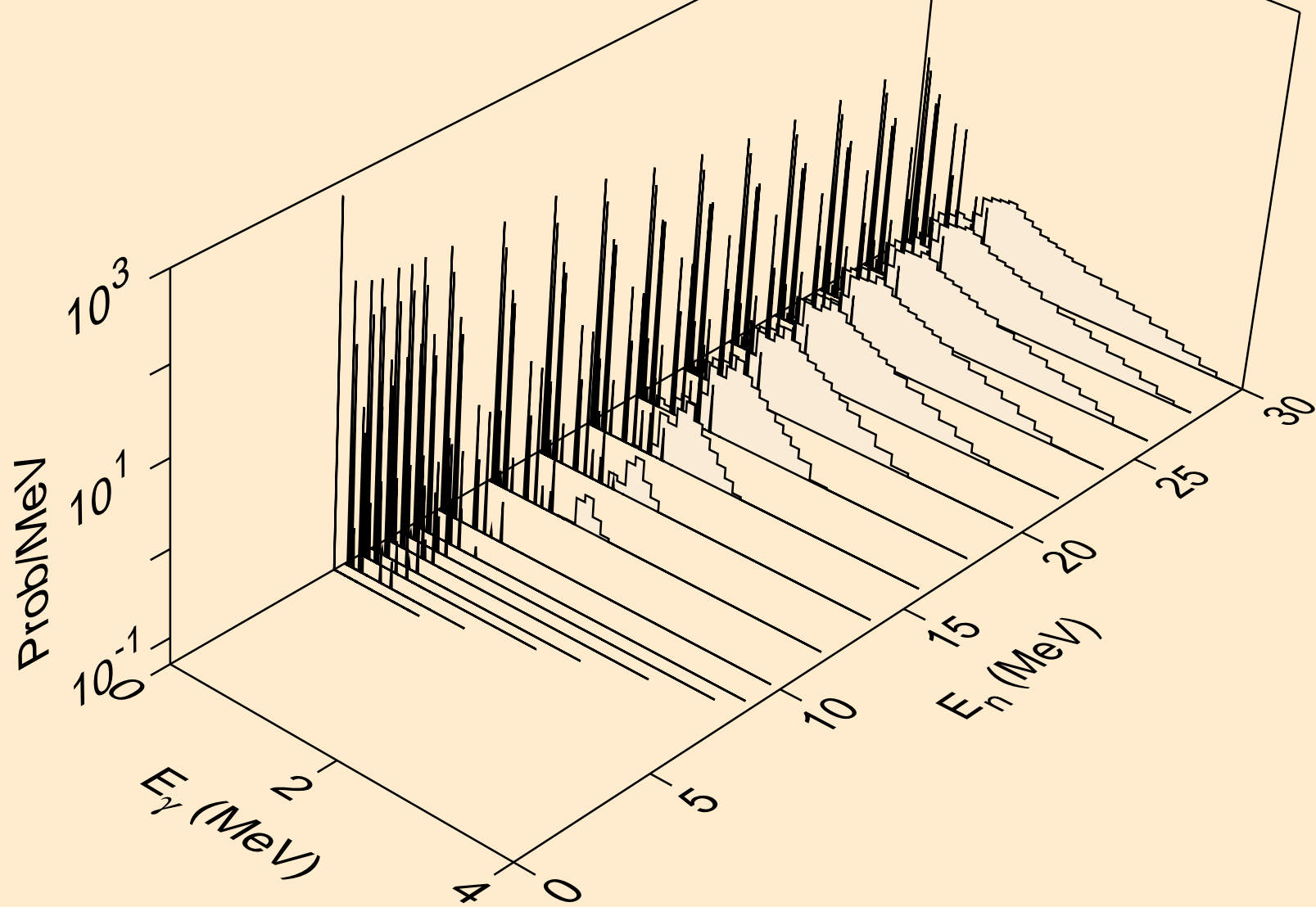


CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)

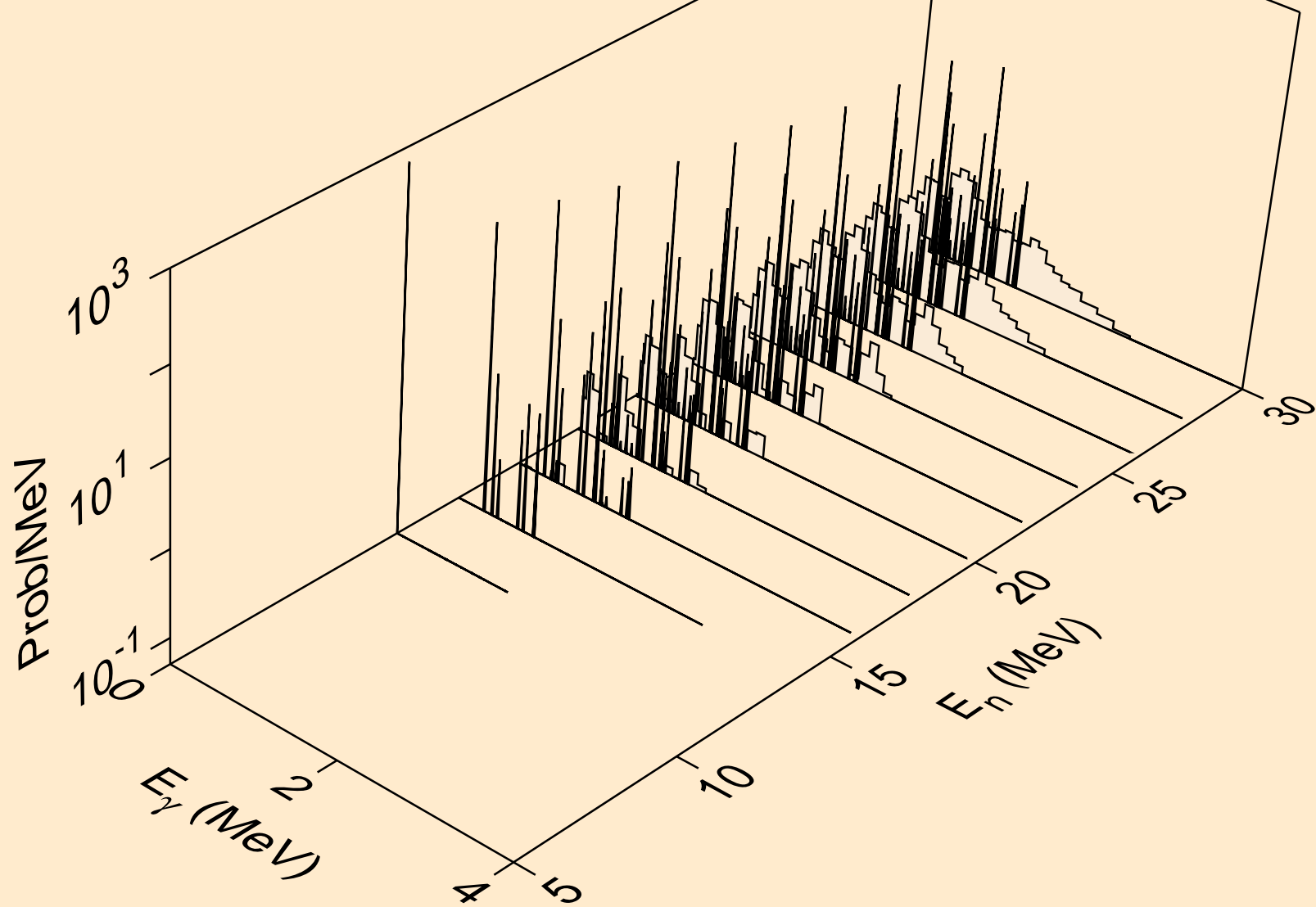




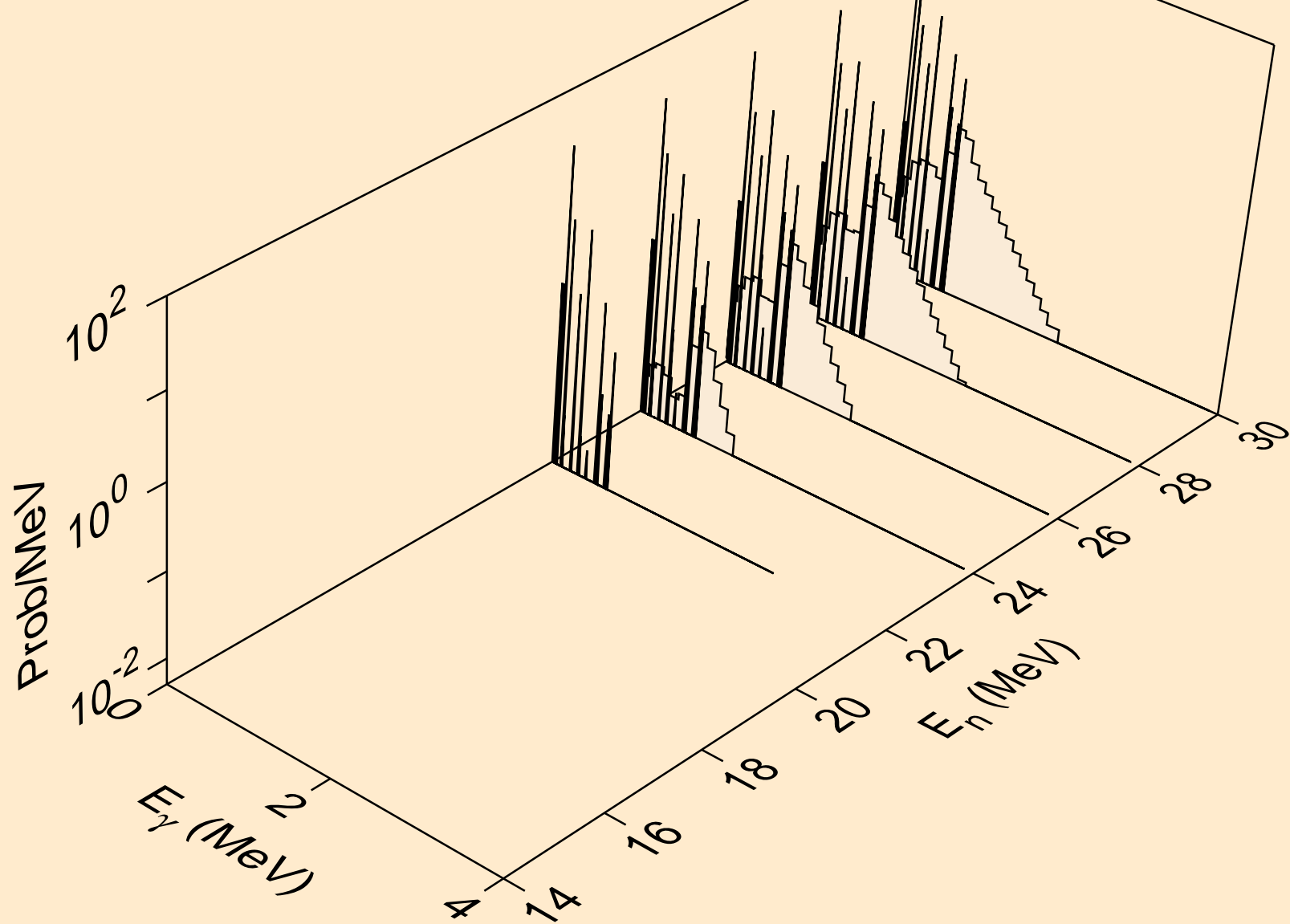
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



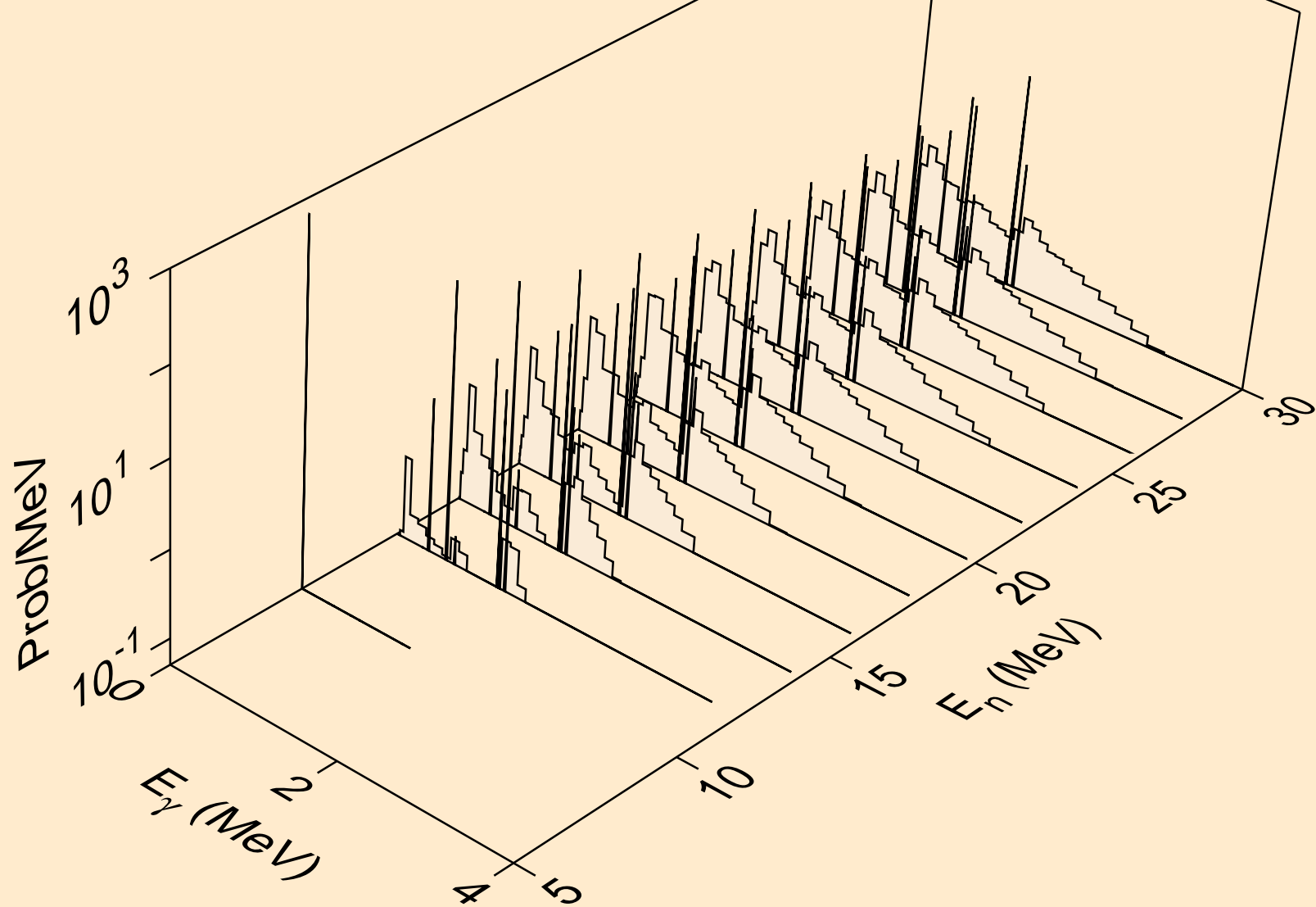
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



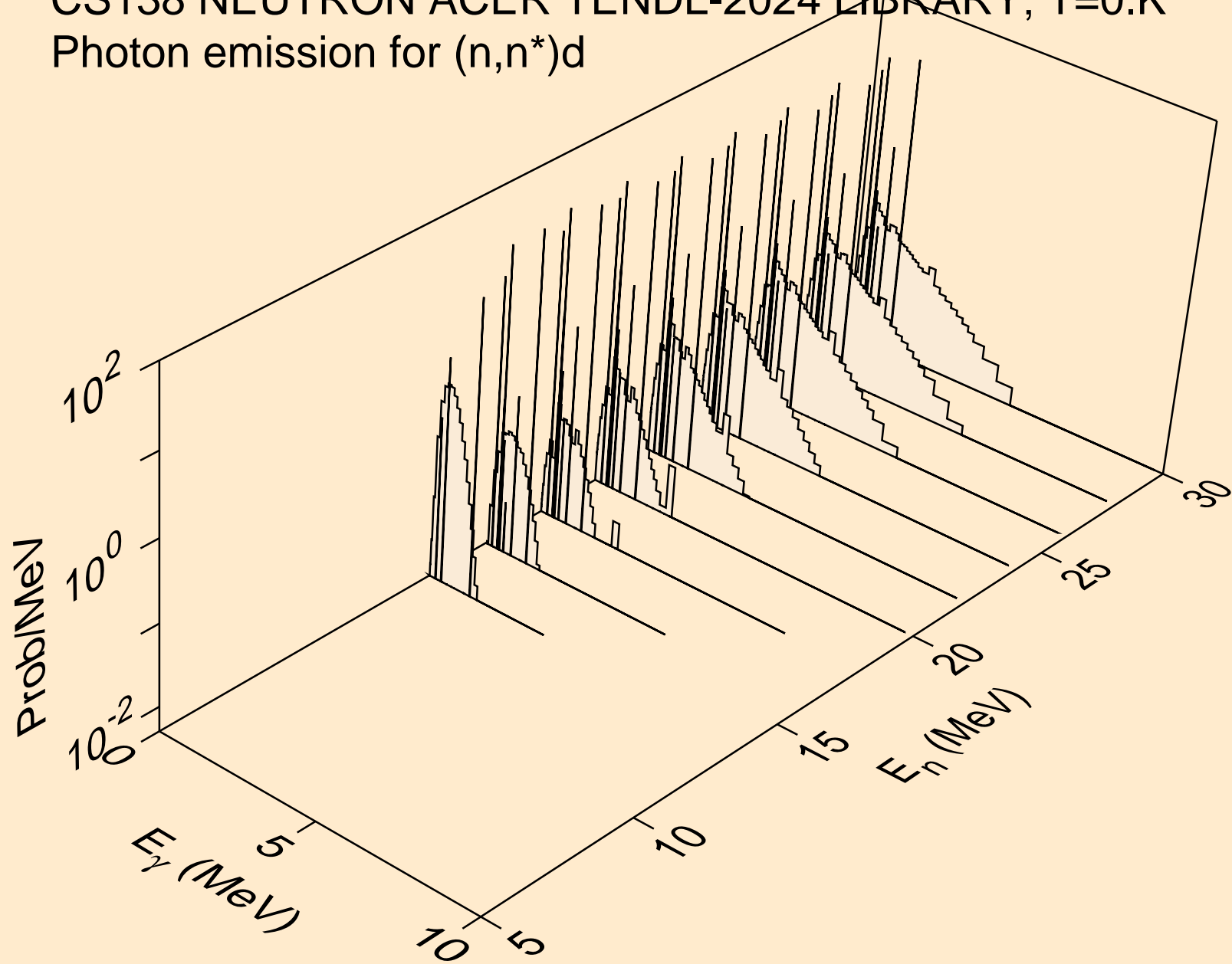
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a



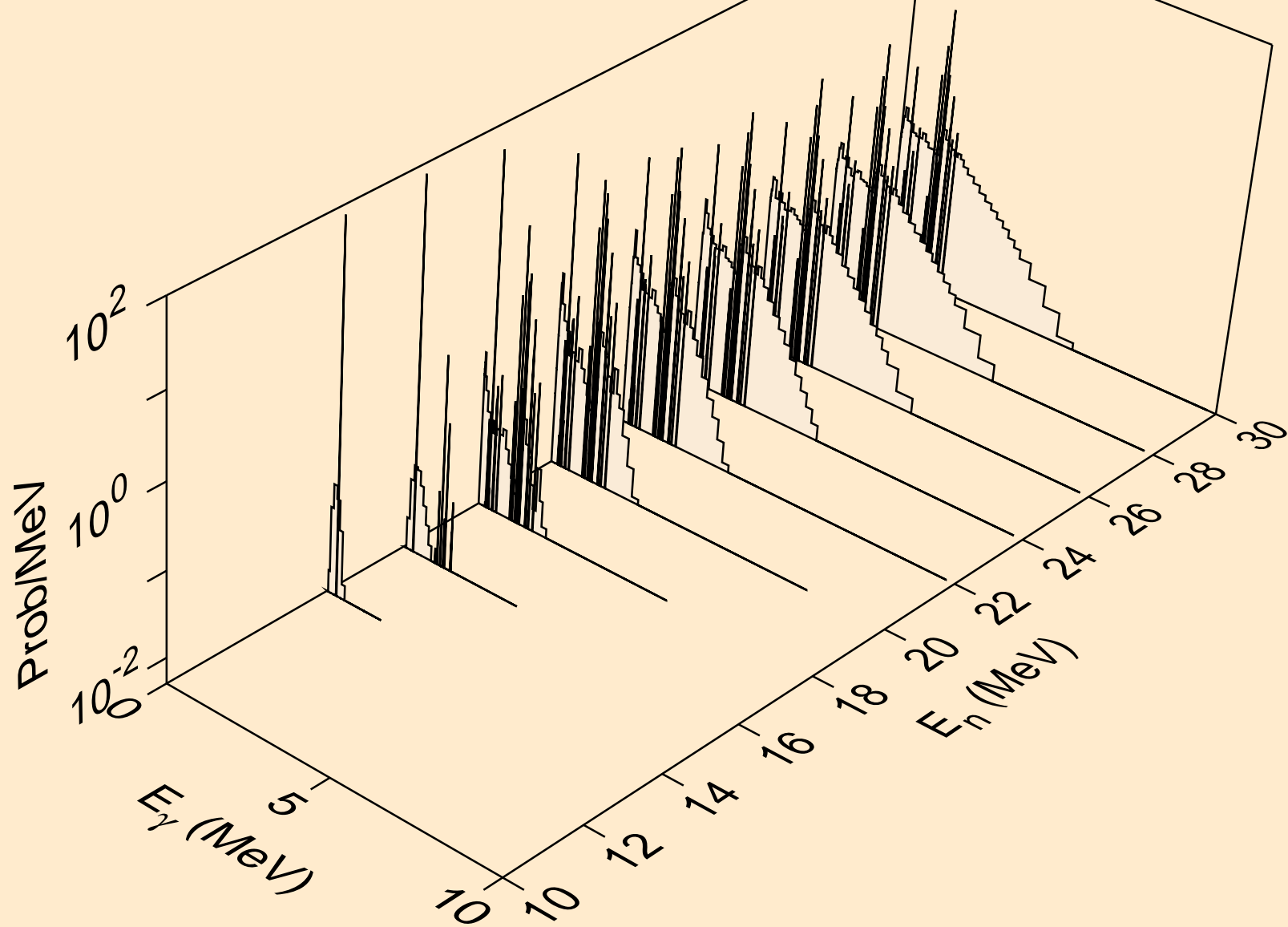
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



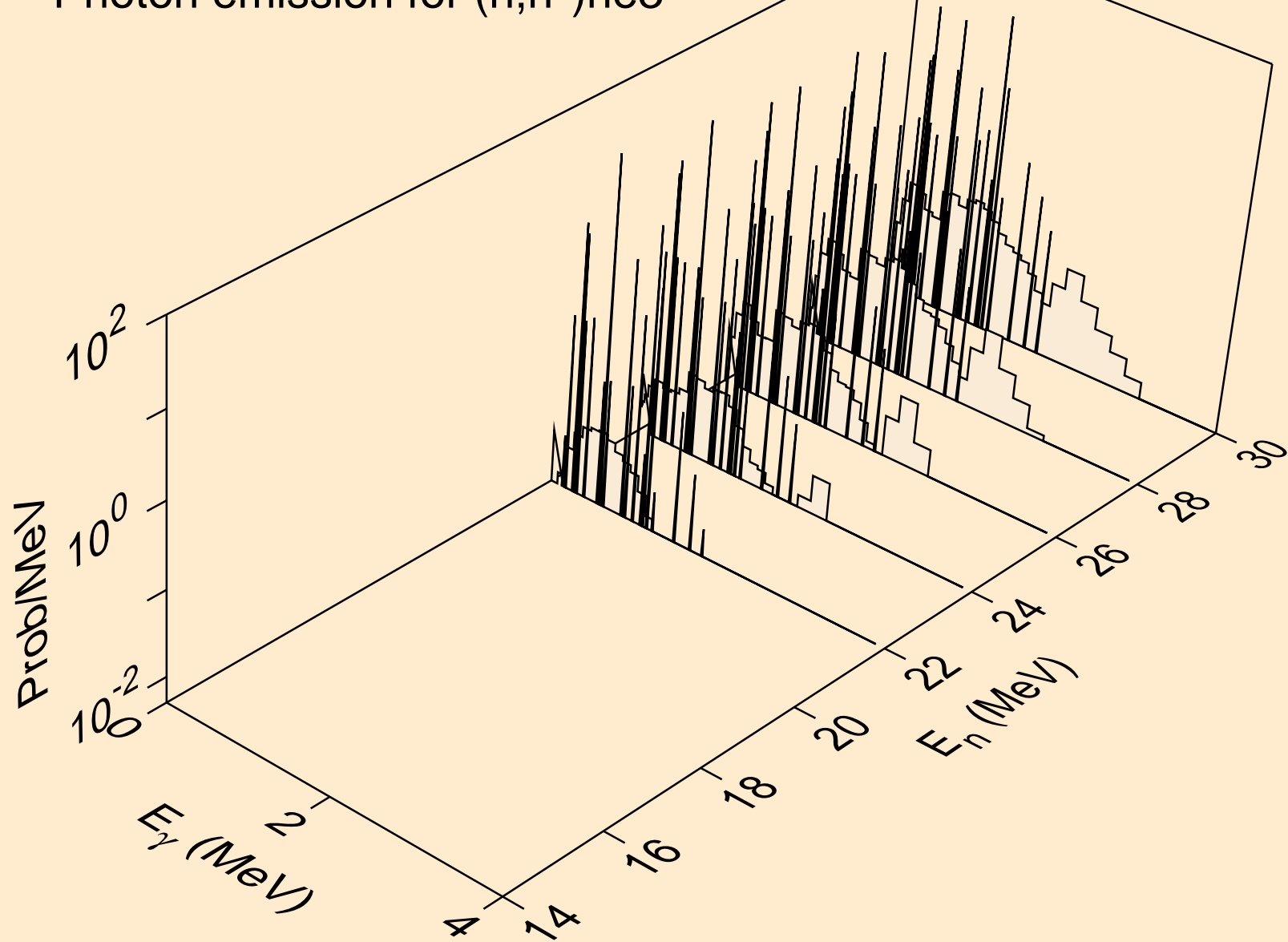
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



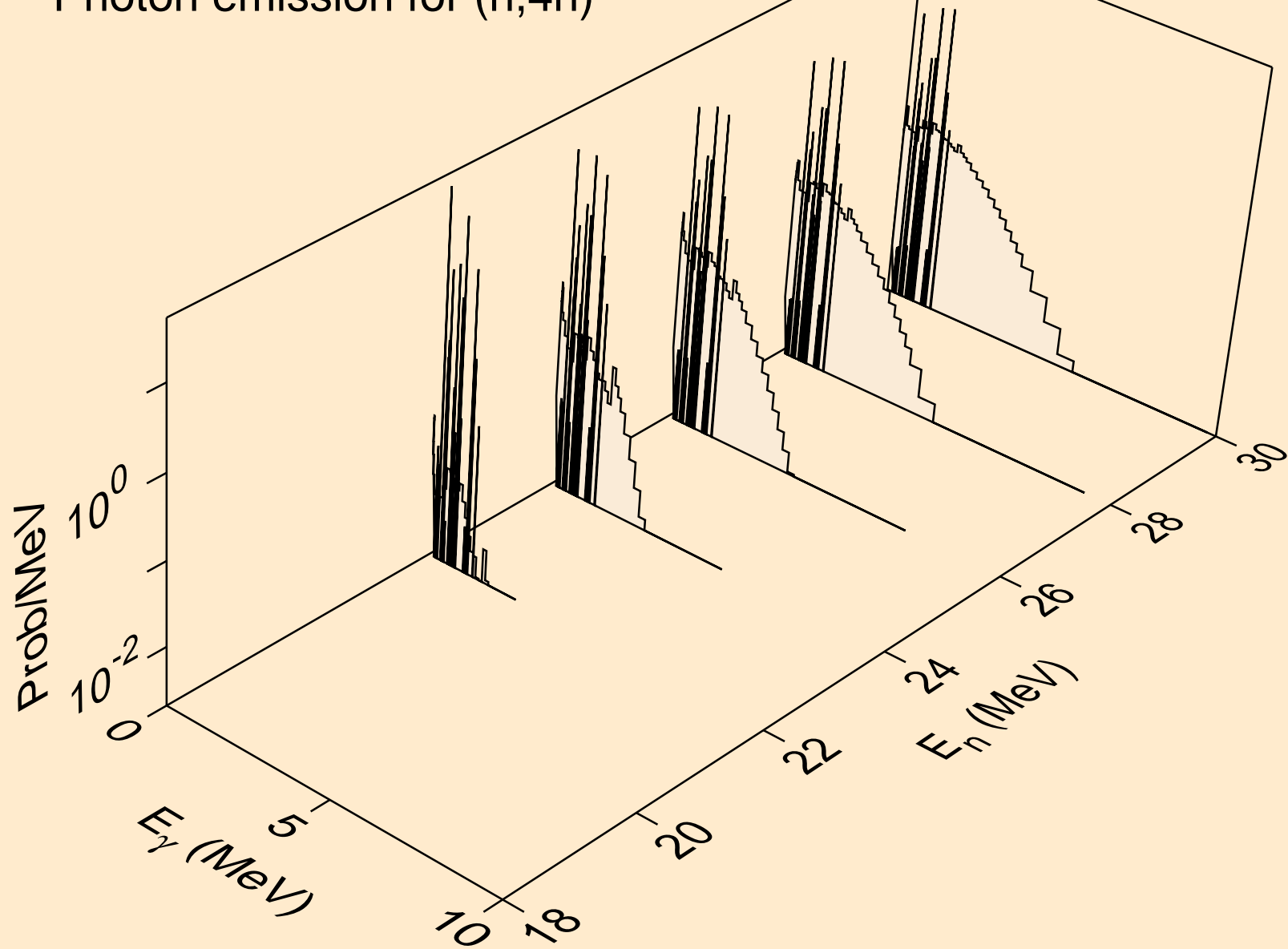
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

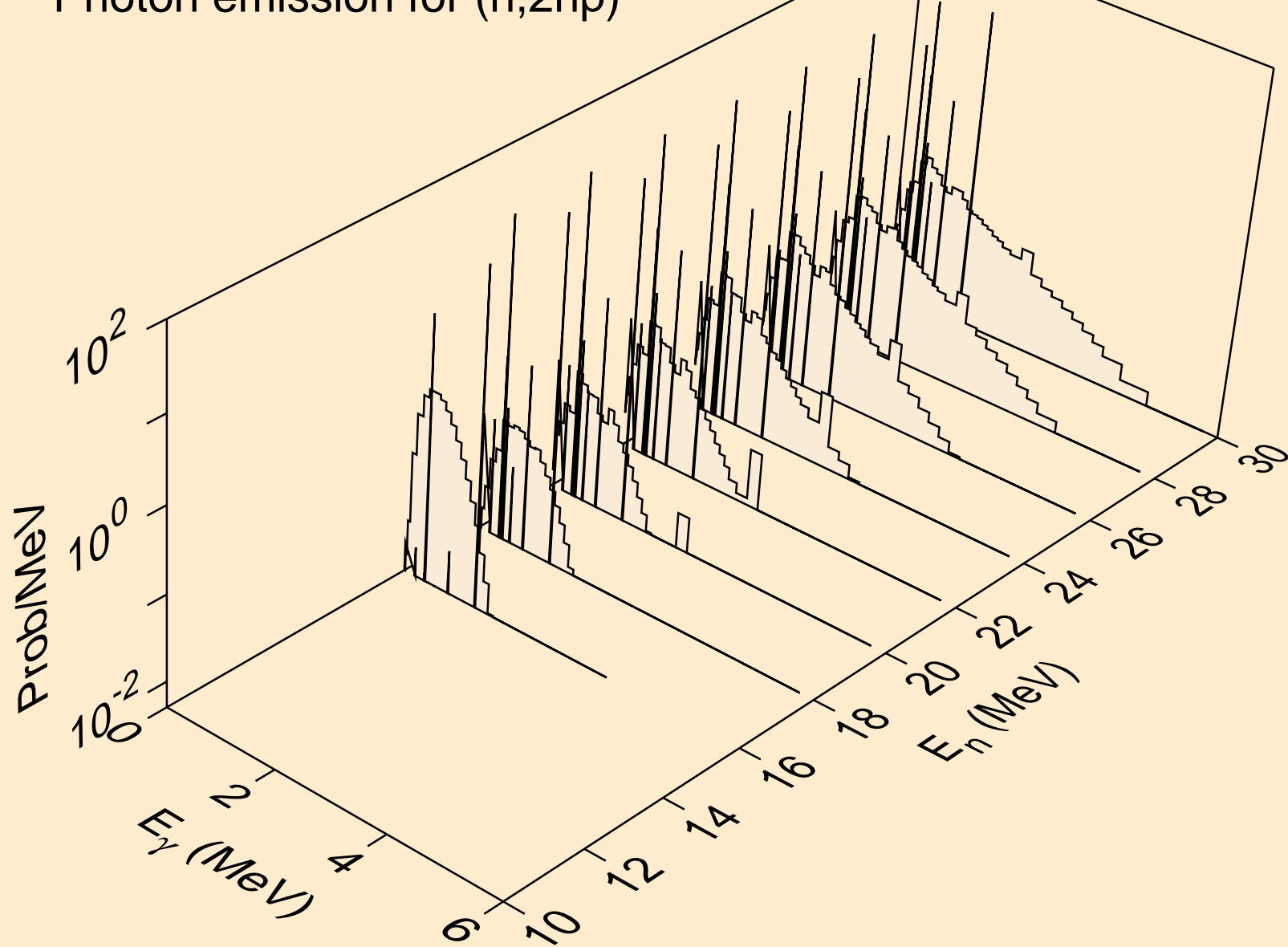


CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)

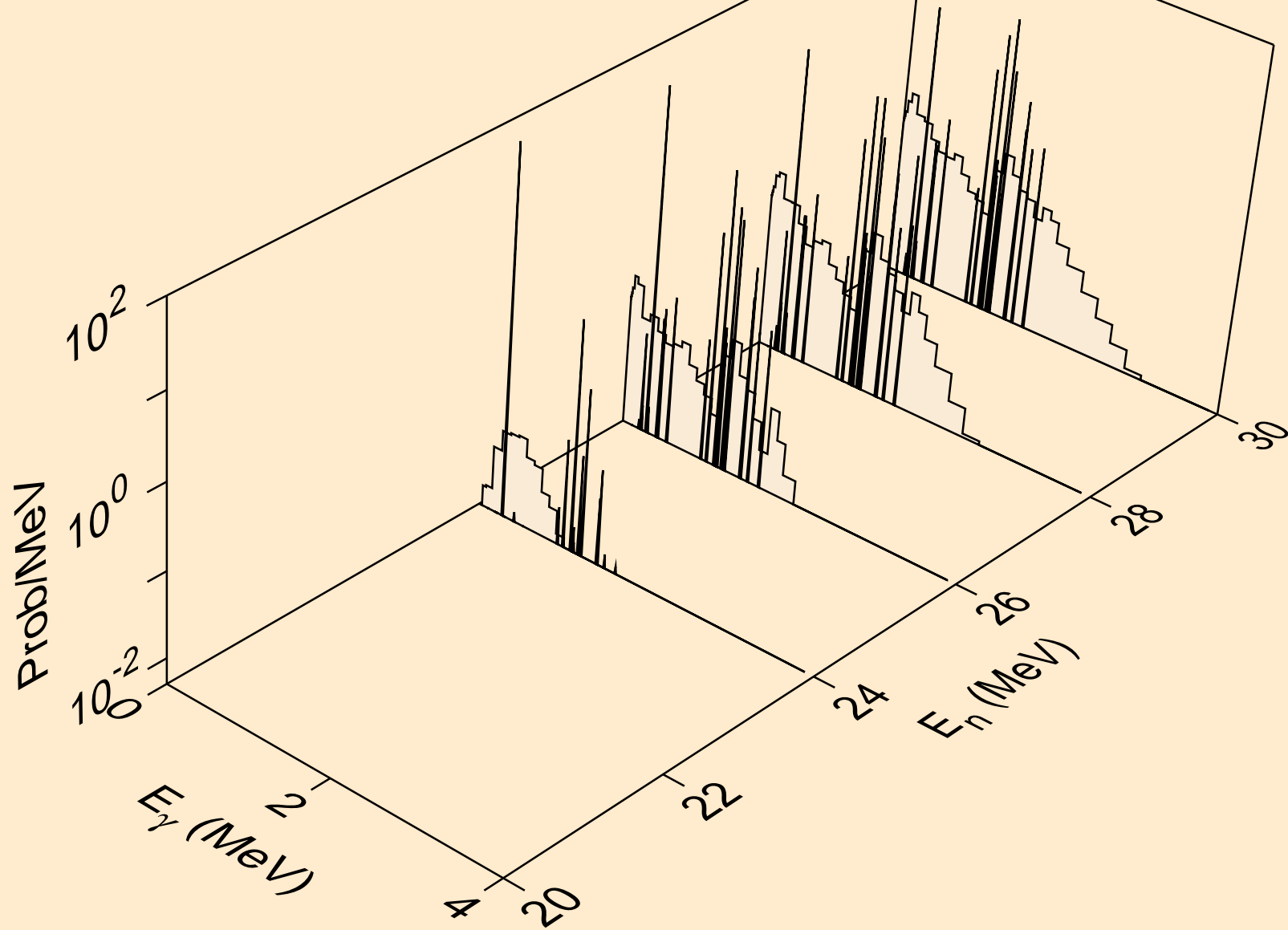




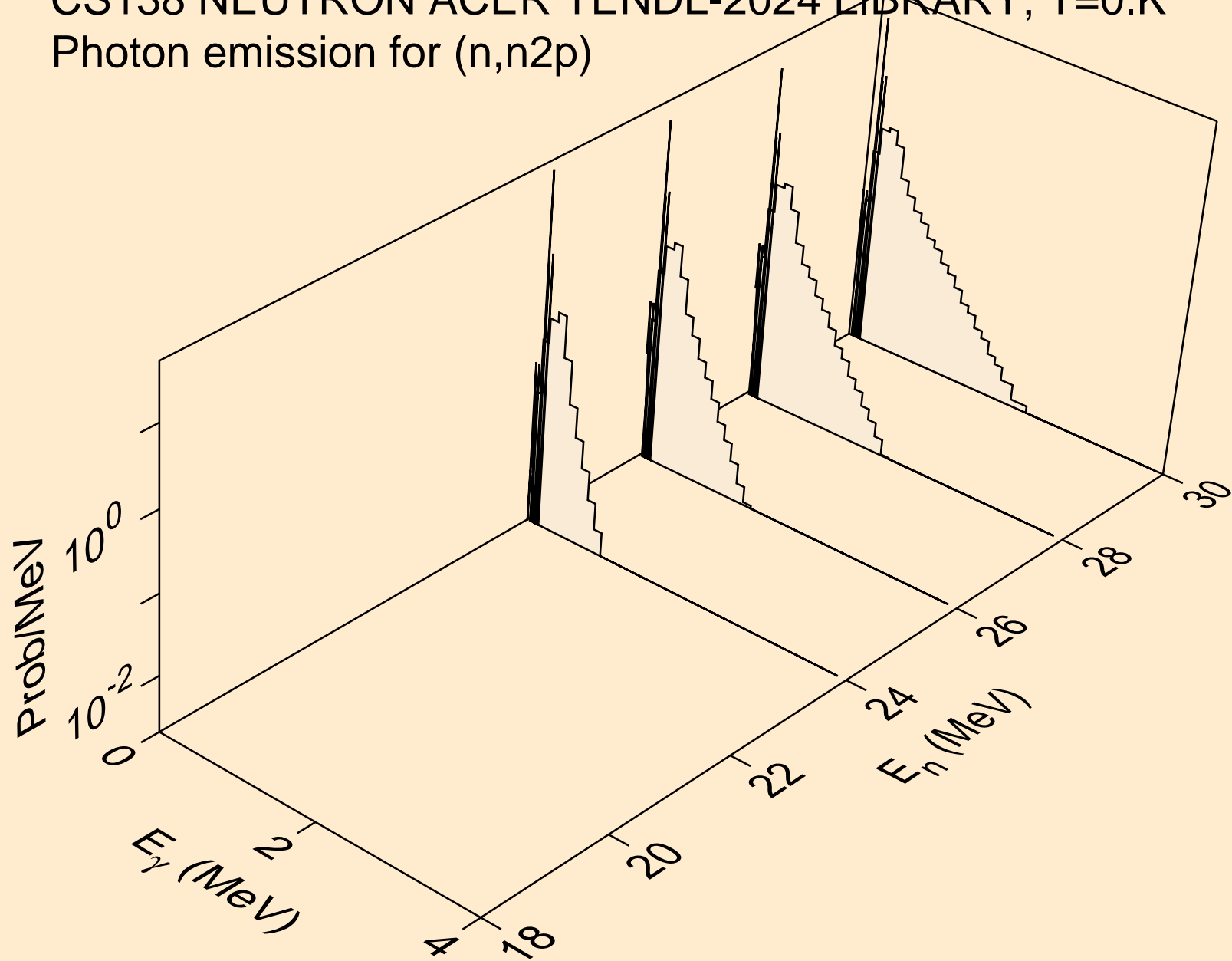
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



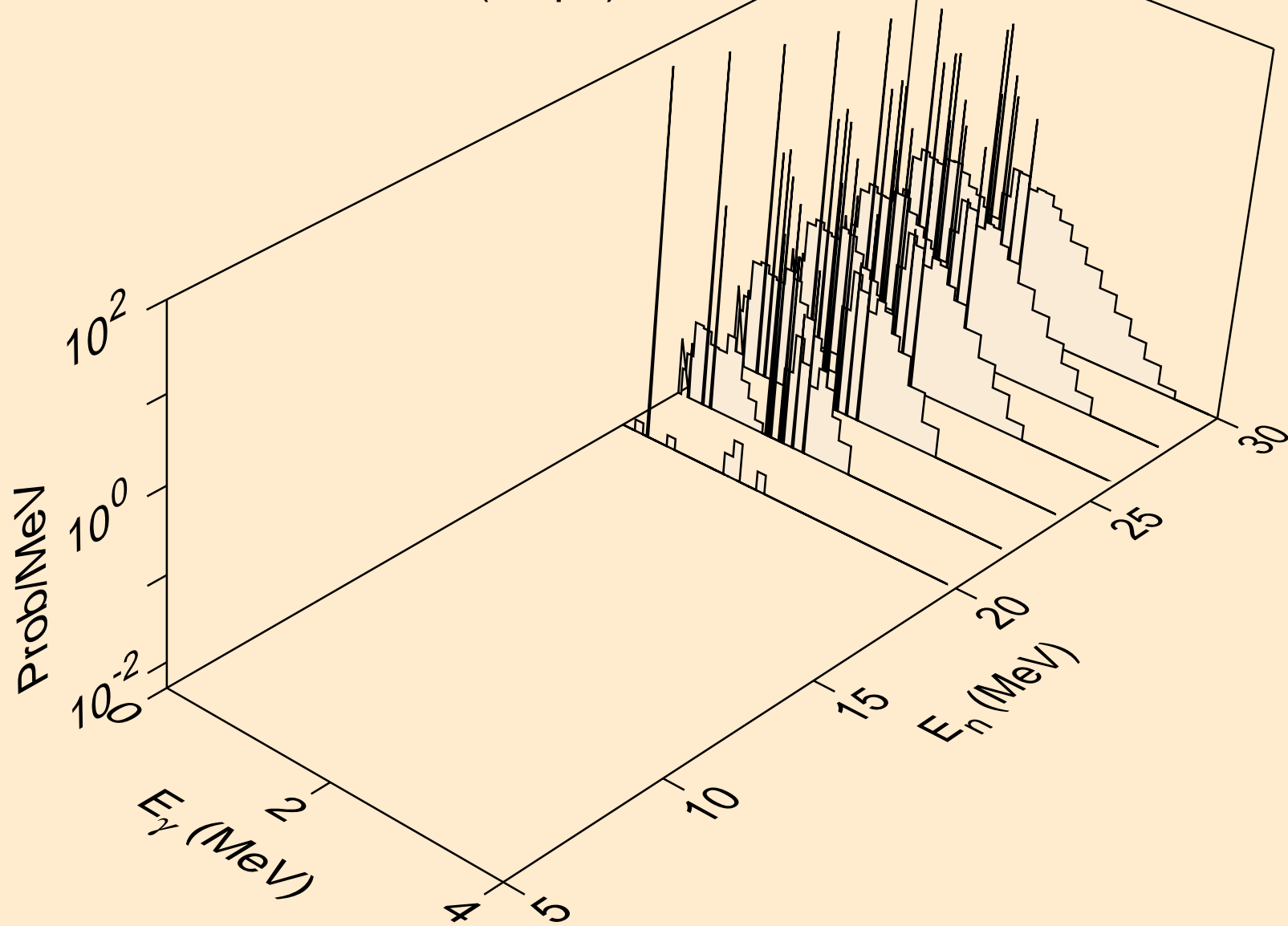
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)



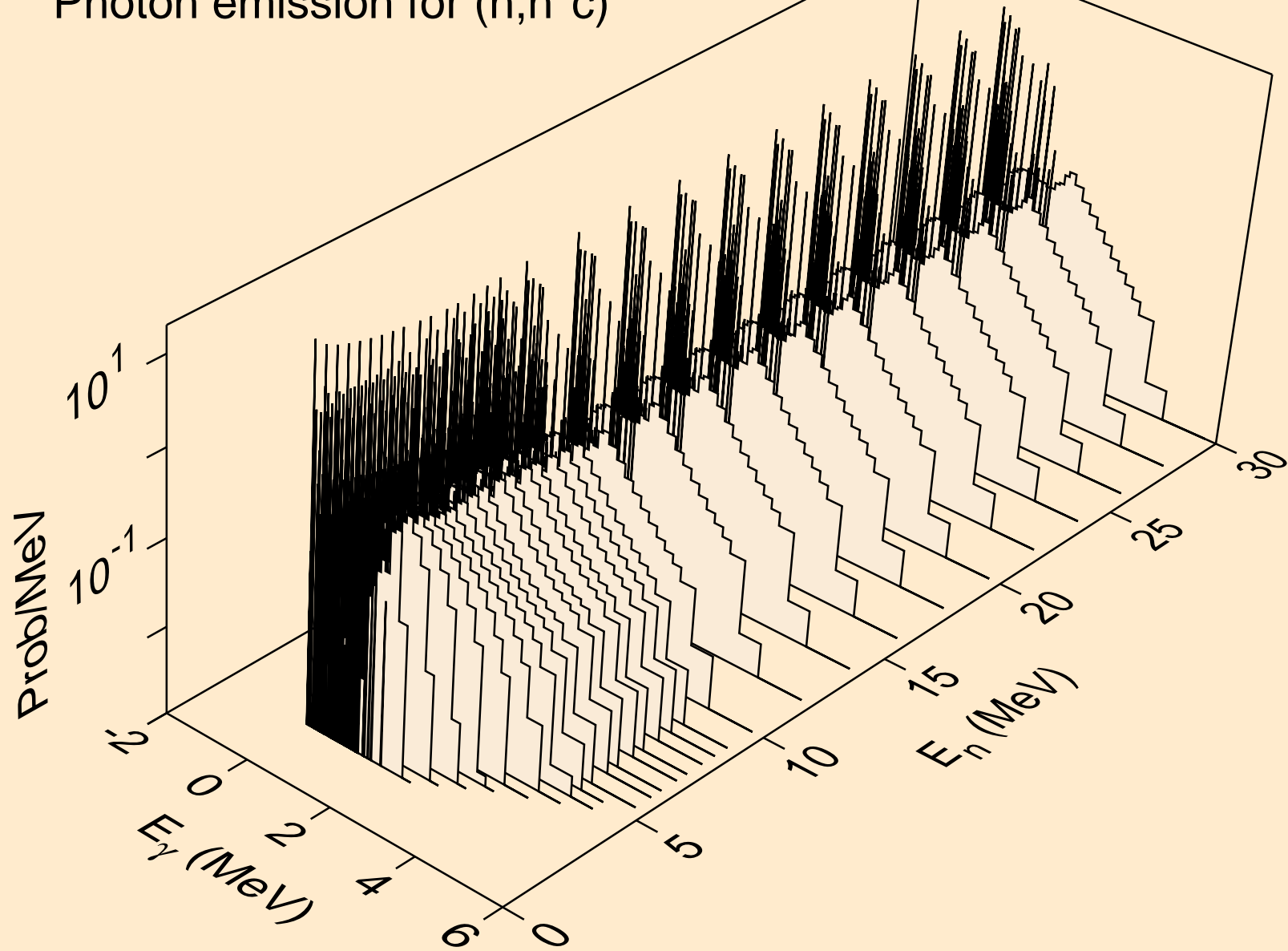
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



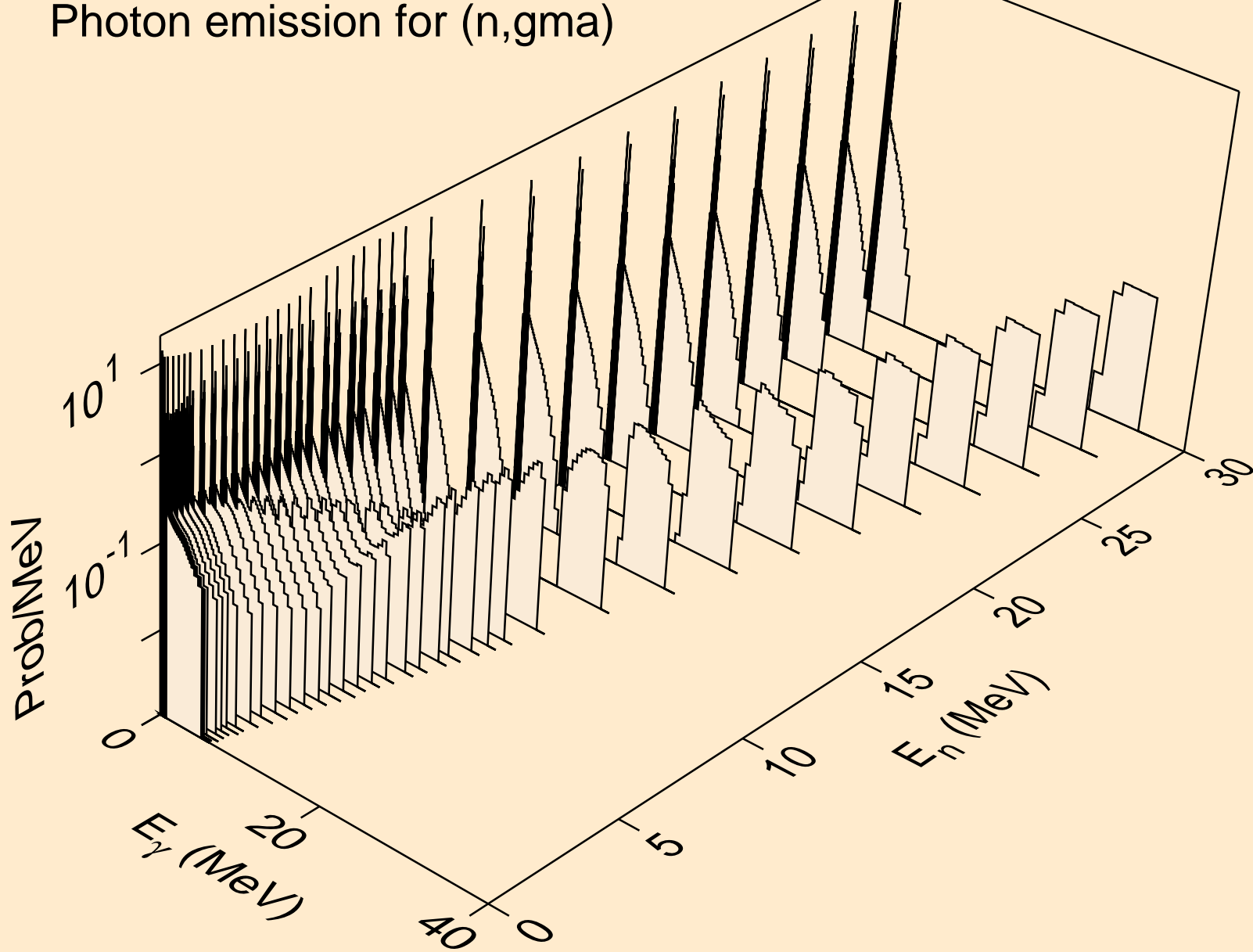
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



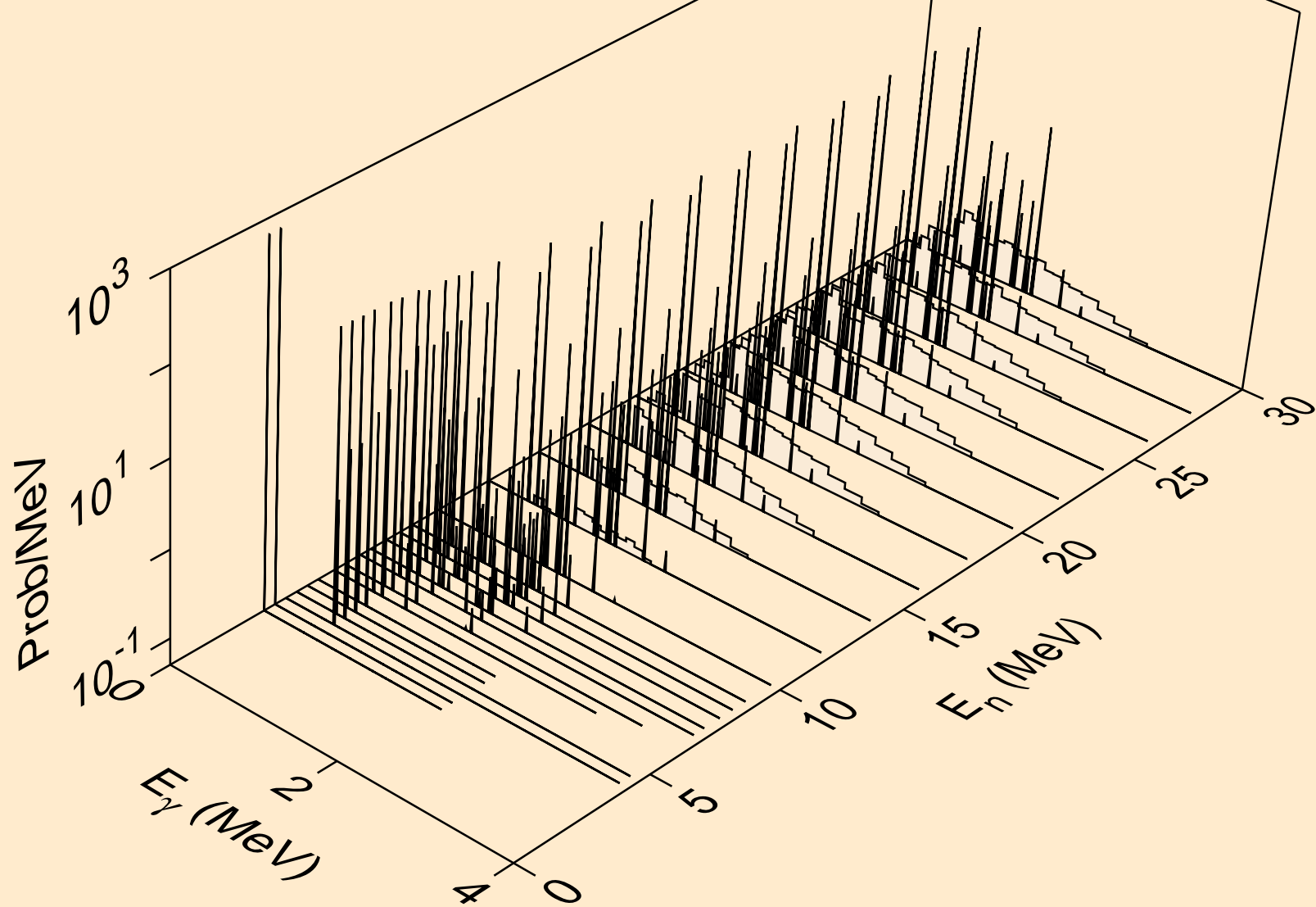
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



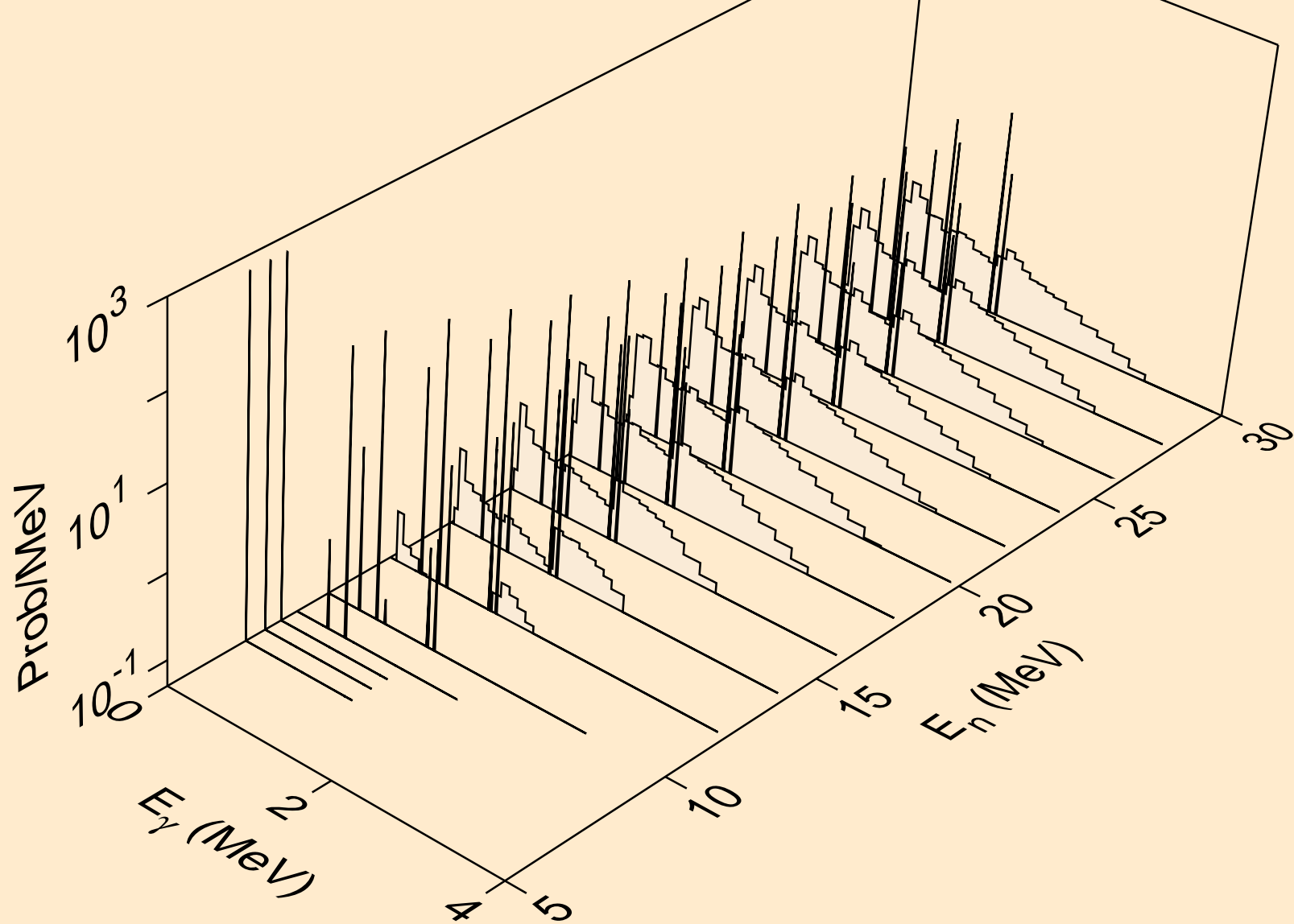
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)

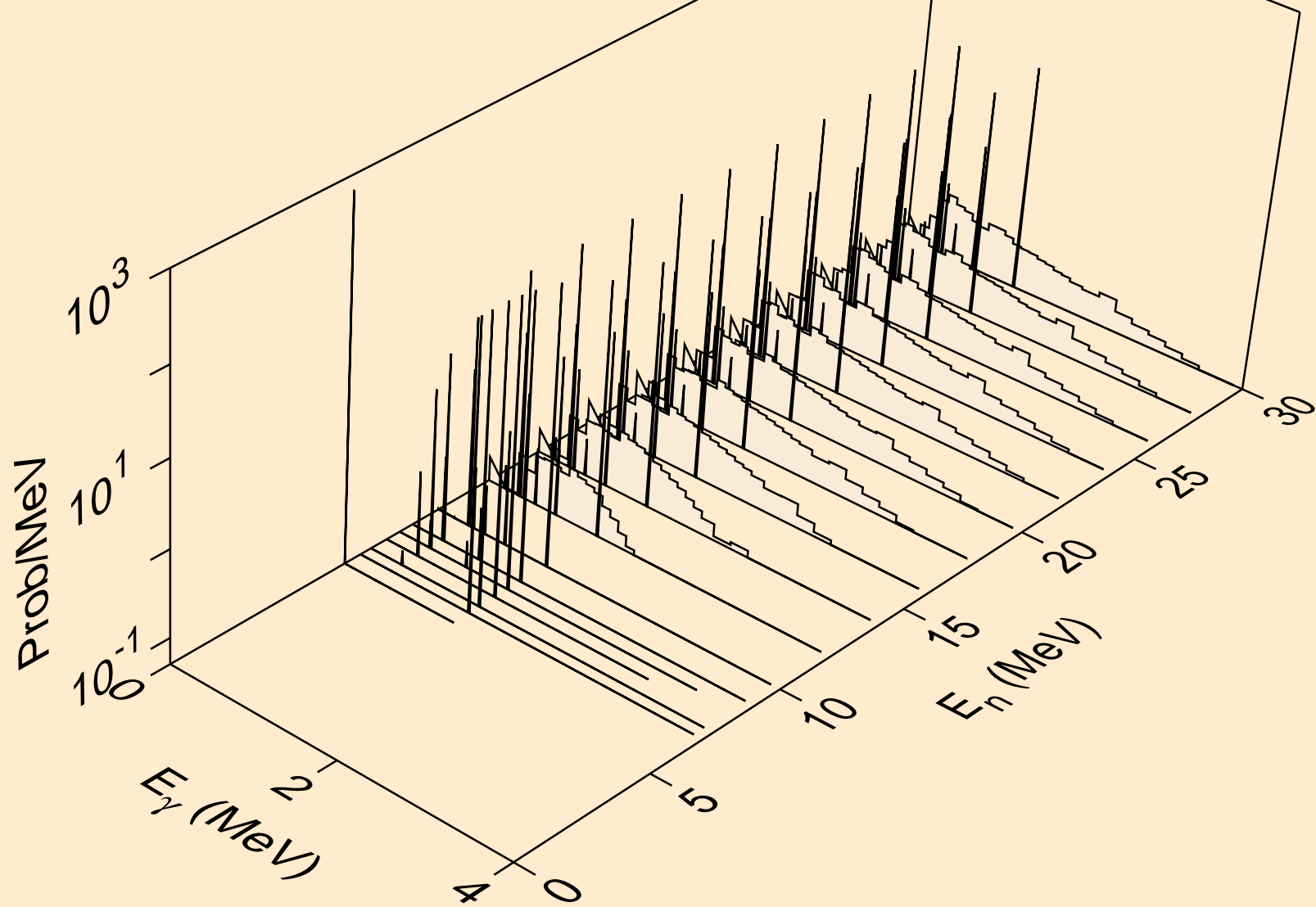


CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)

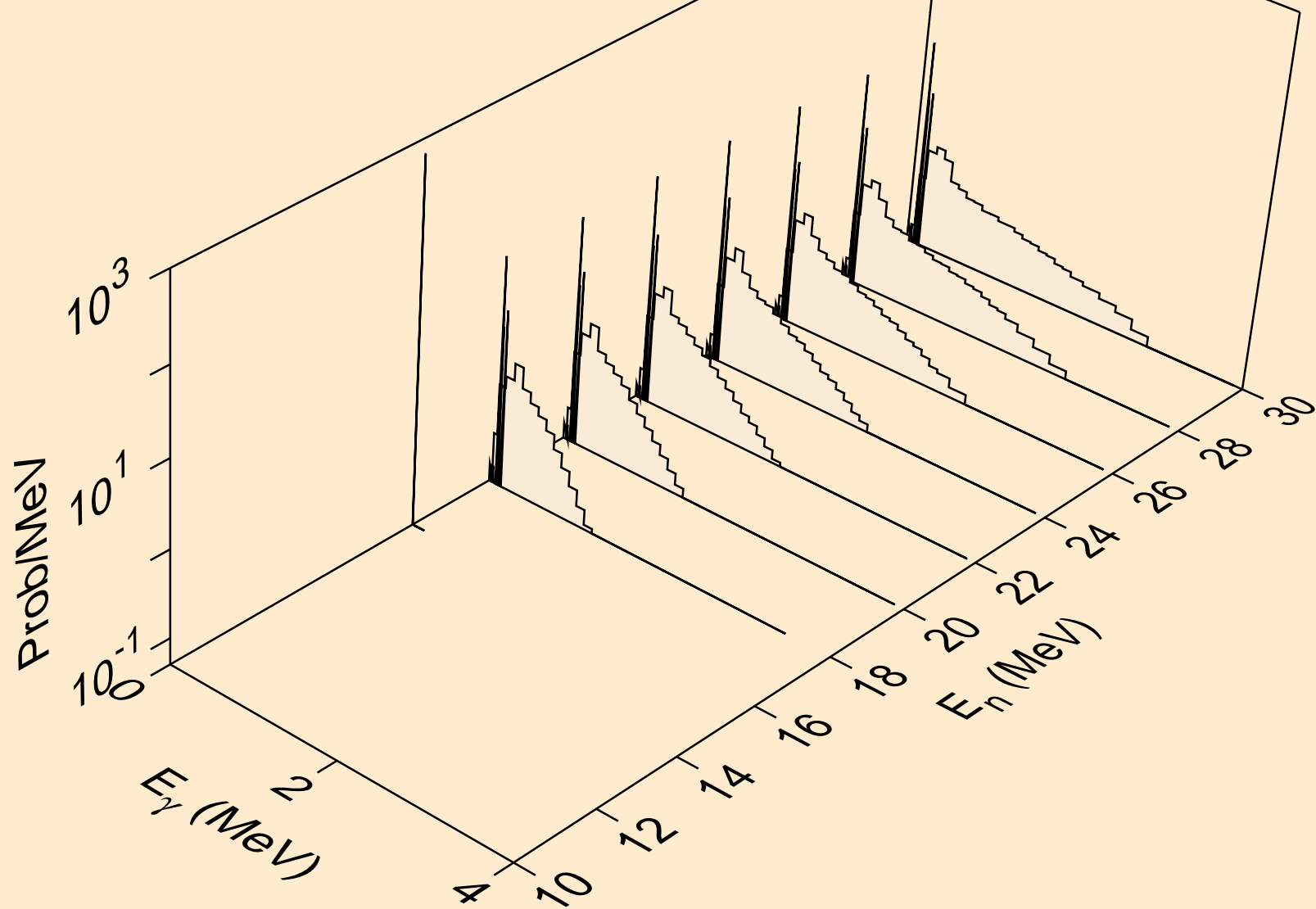




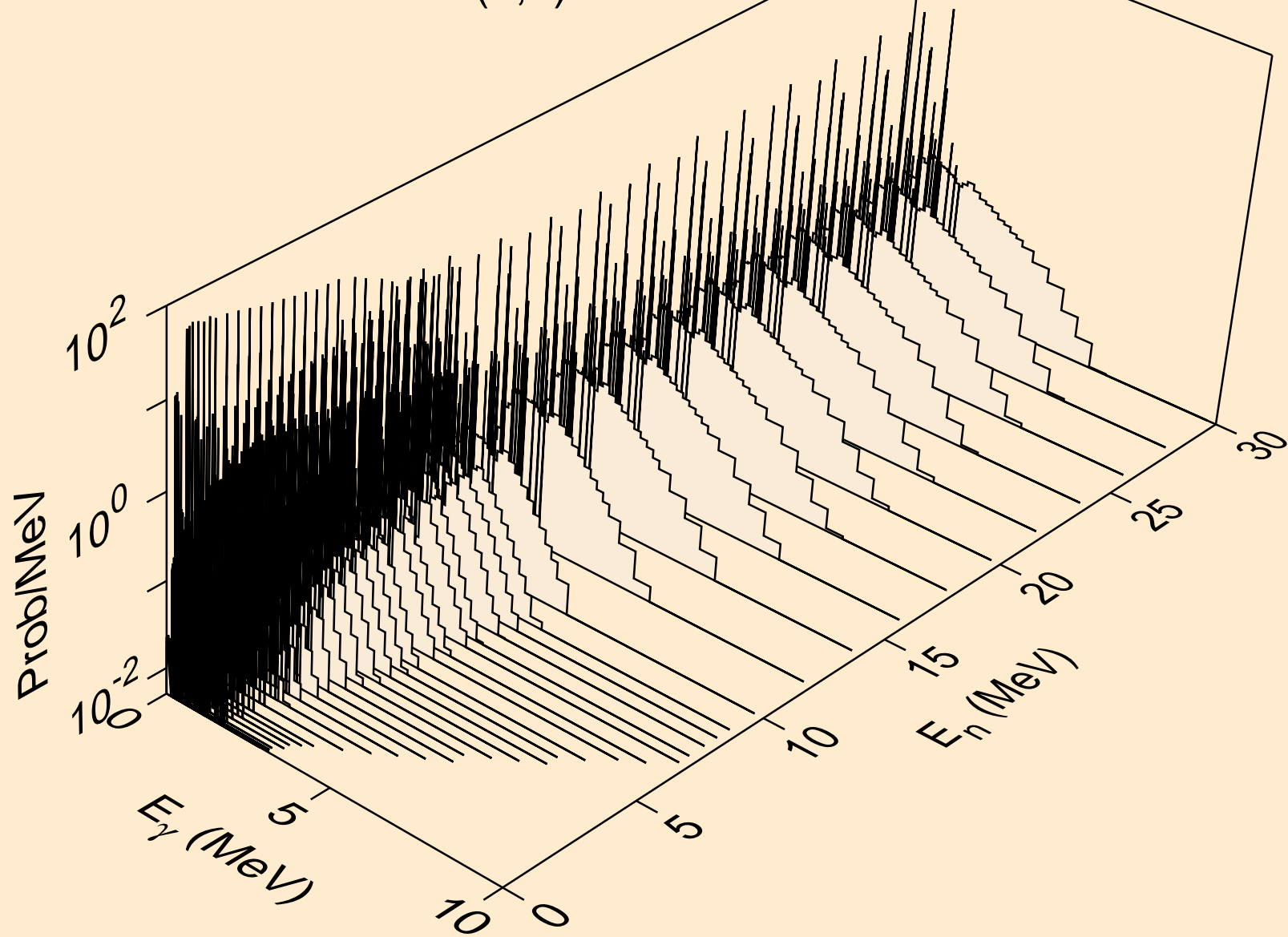
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



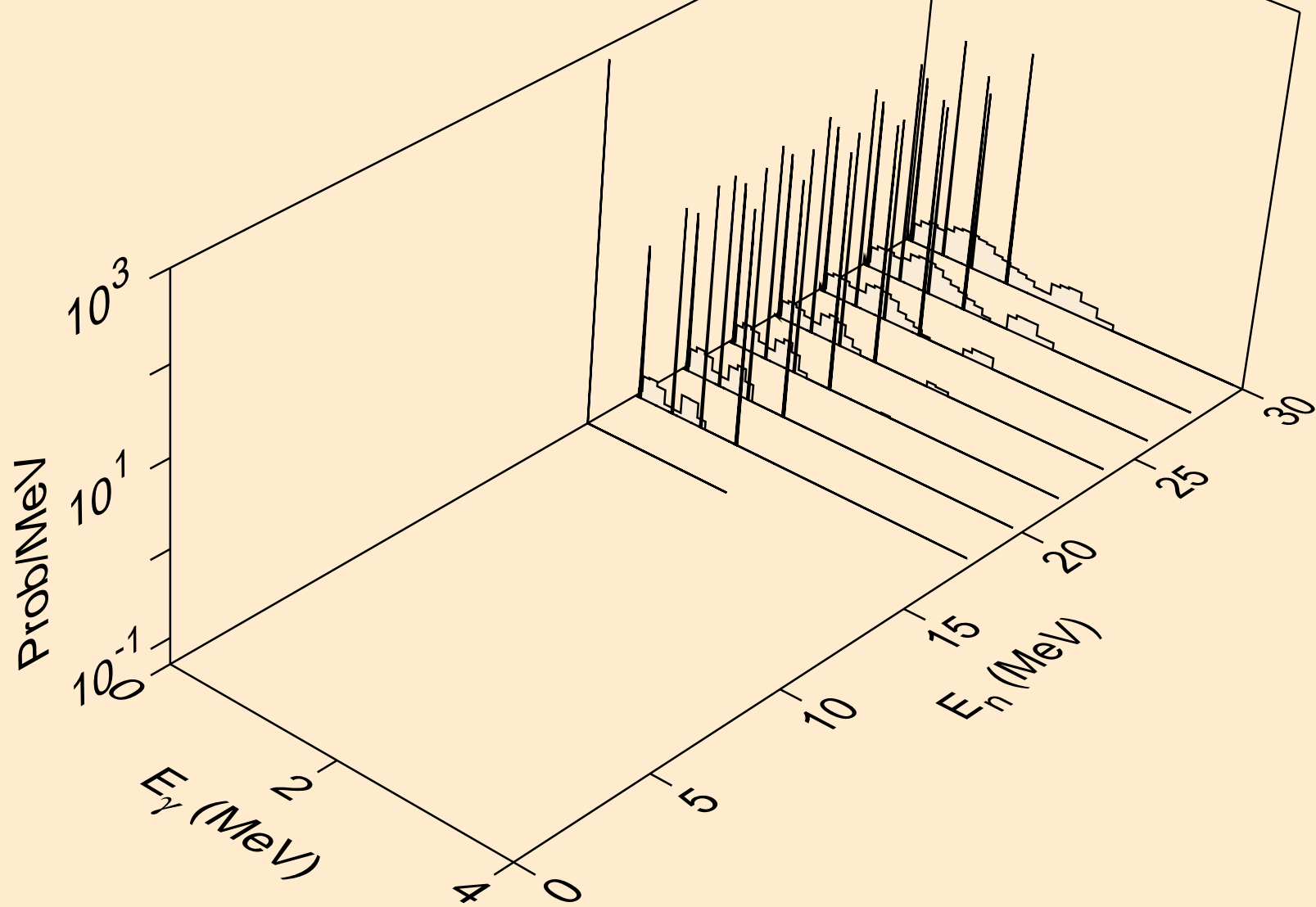
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



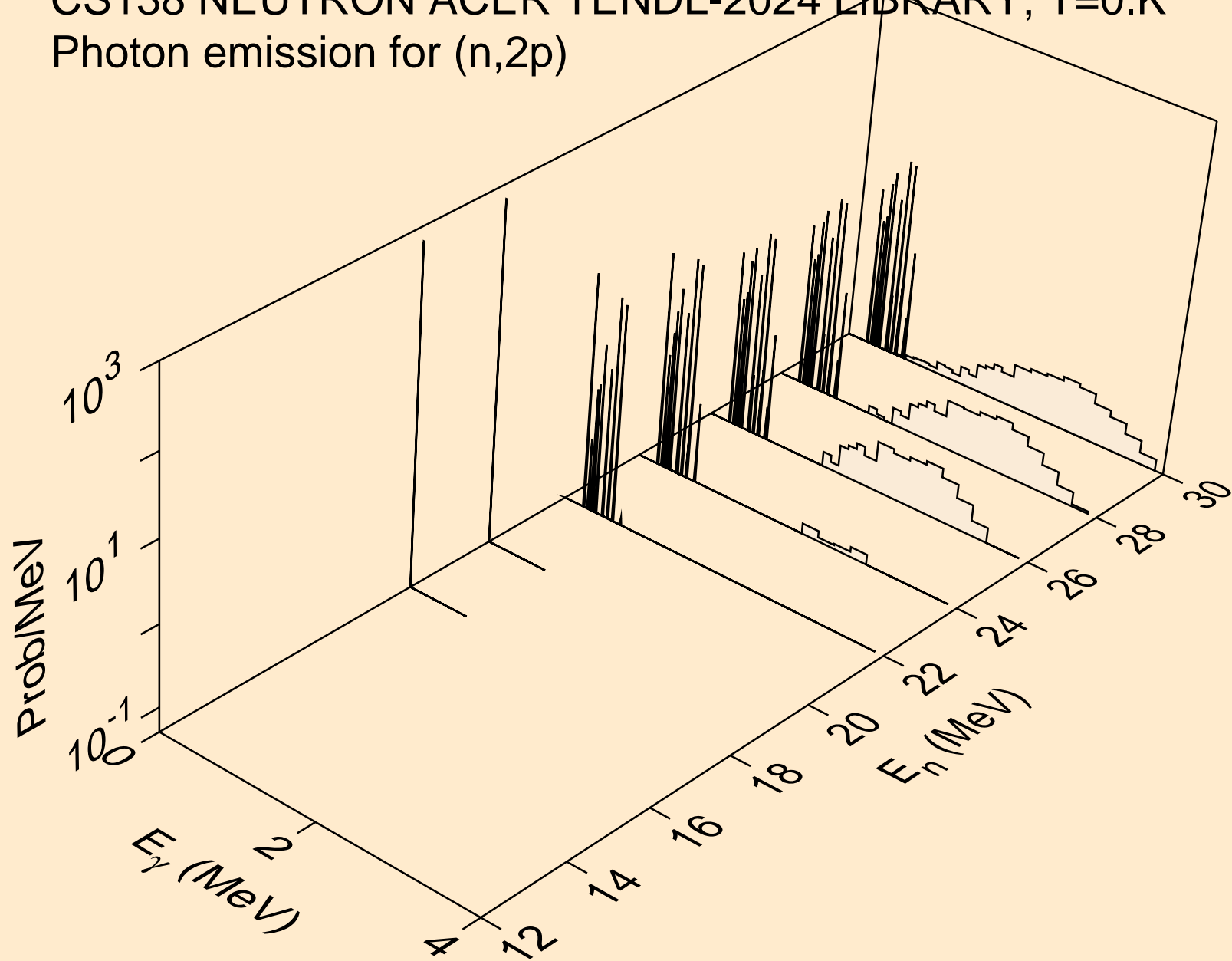
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



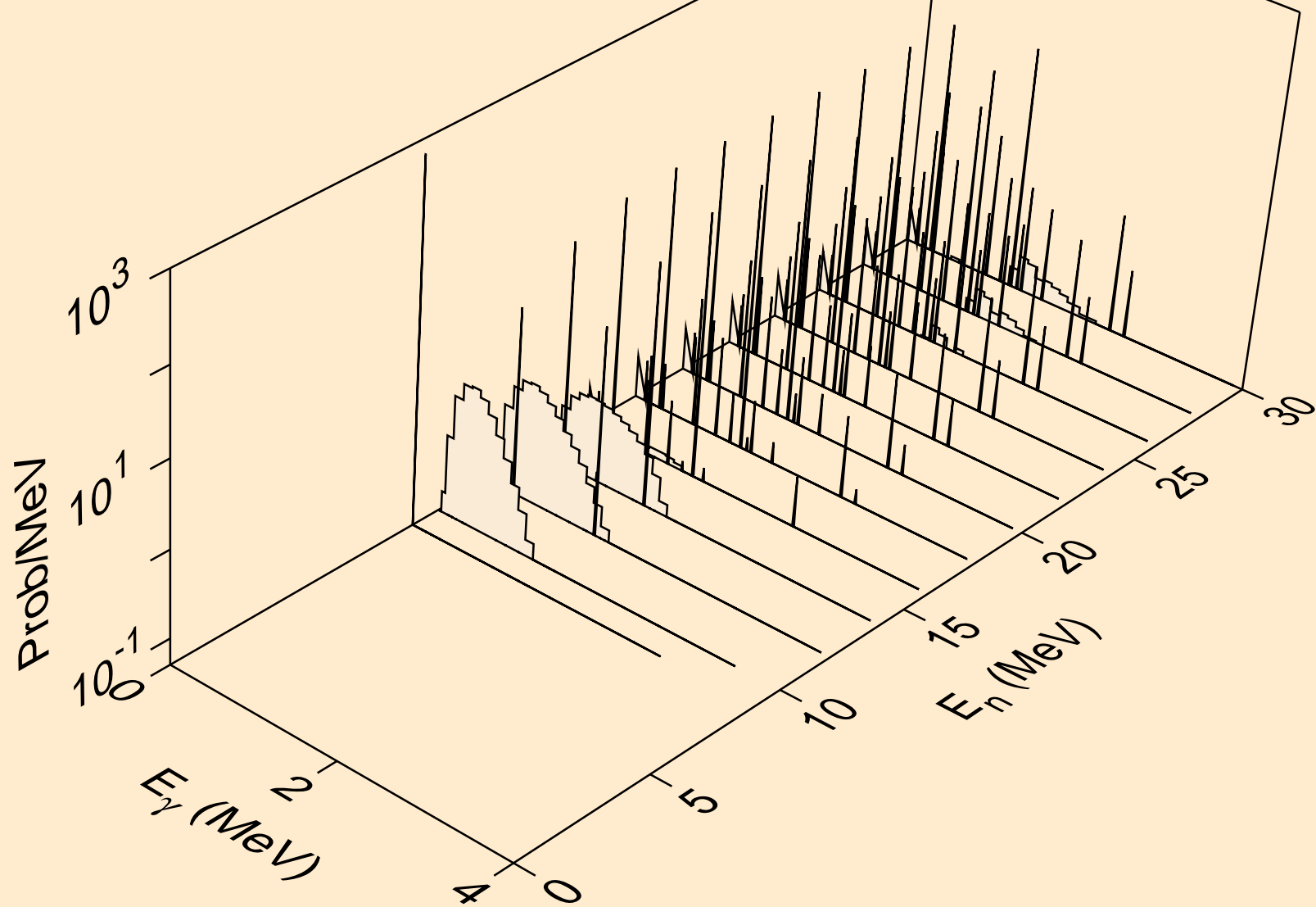
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)



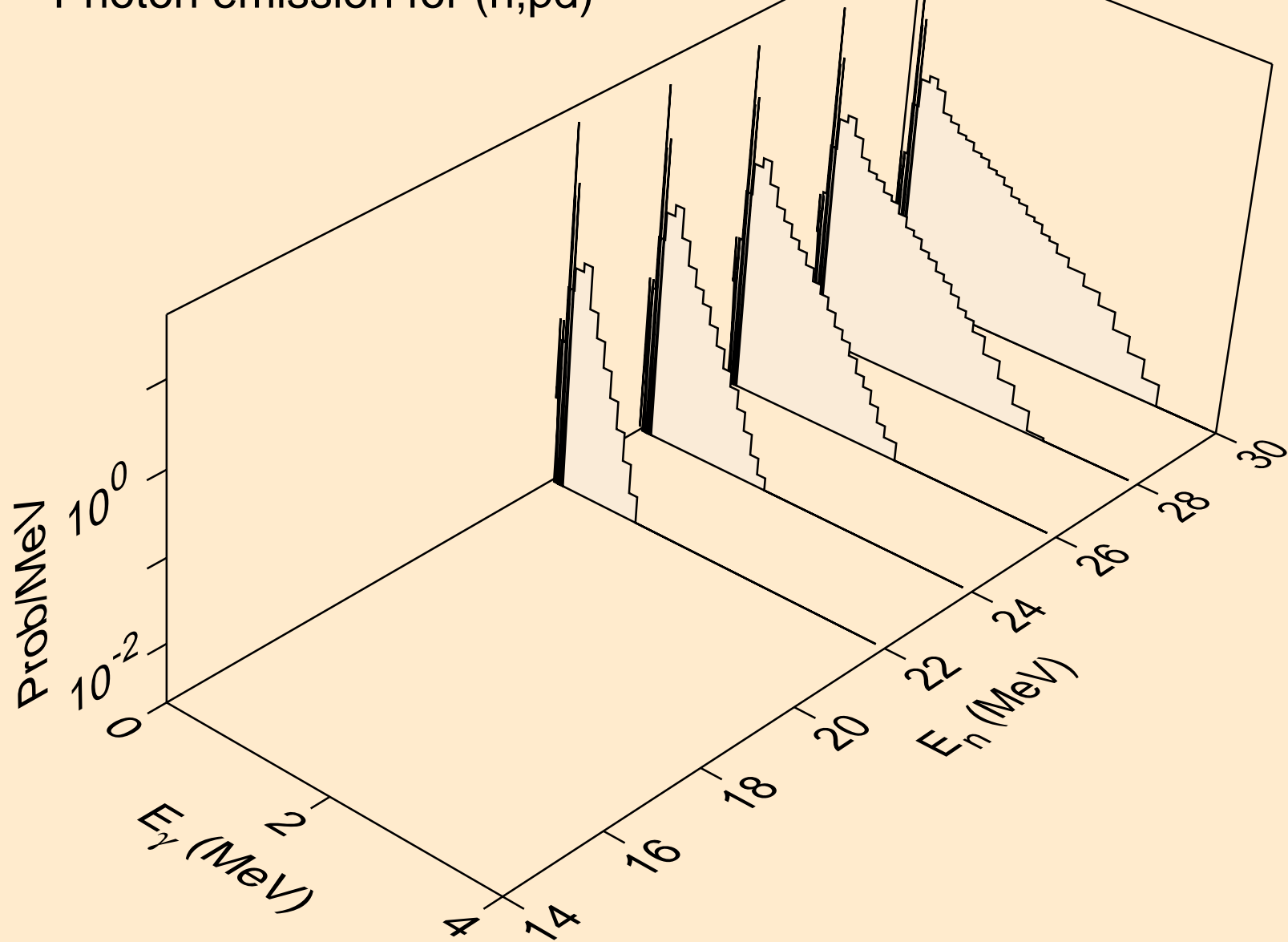
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



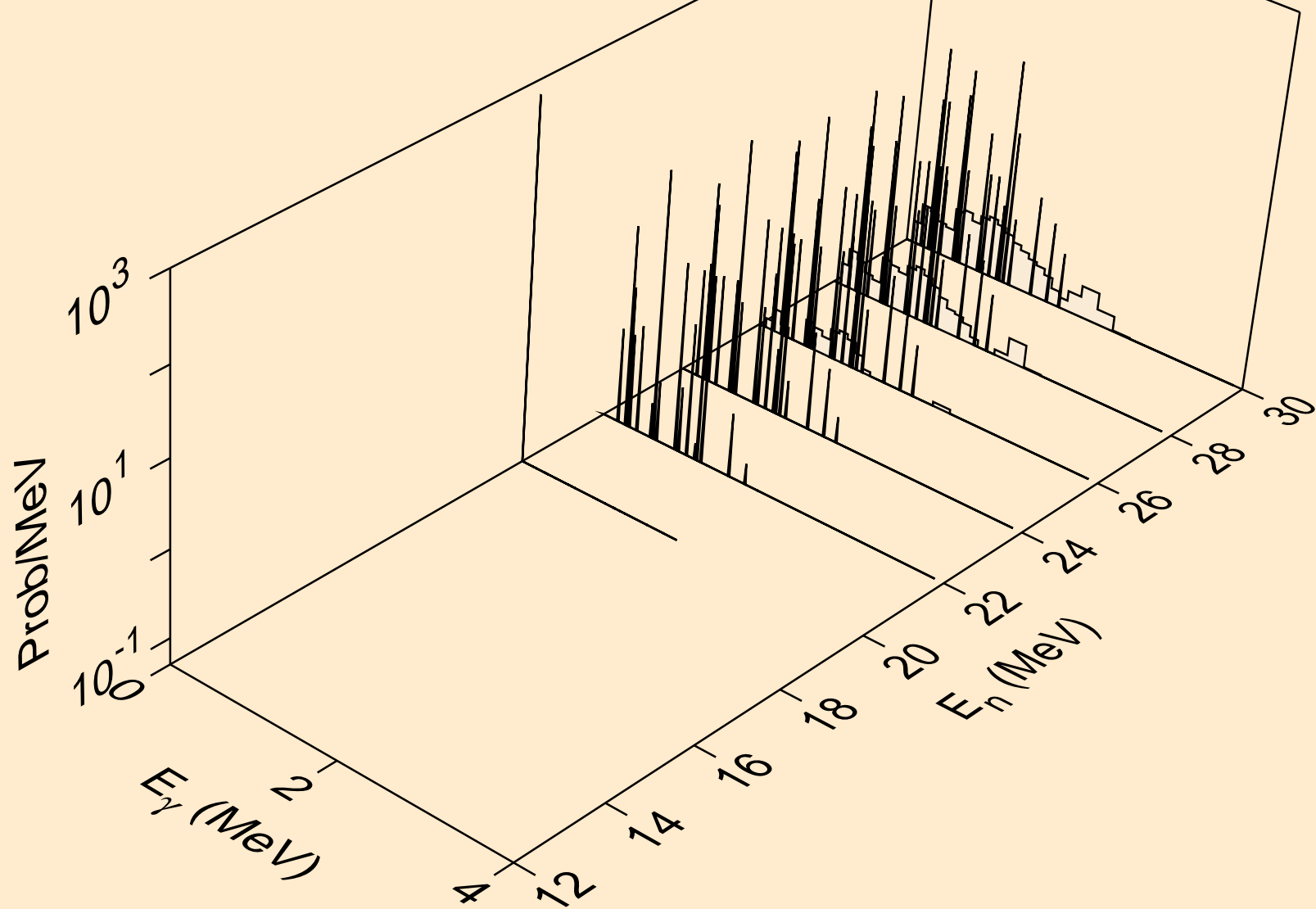
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)

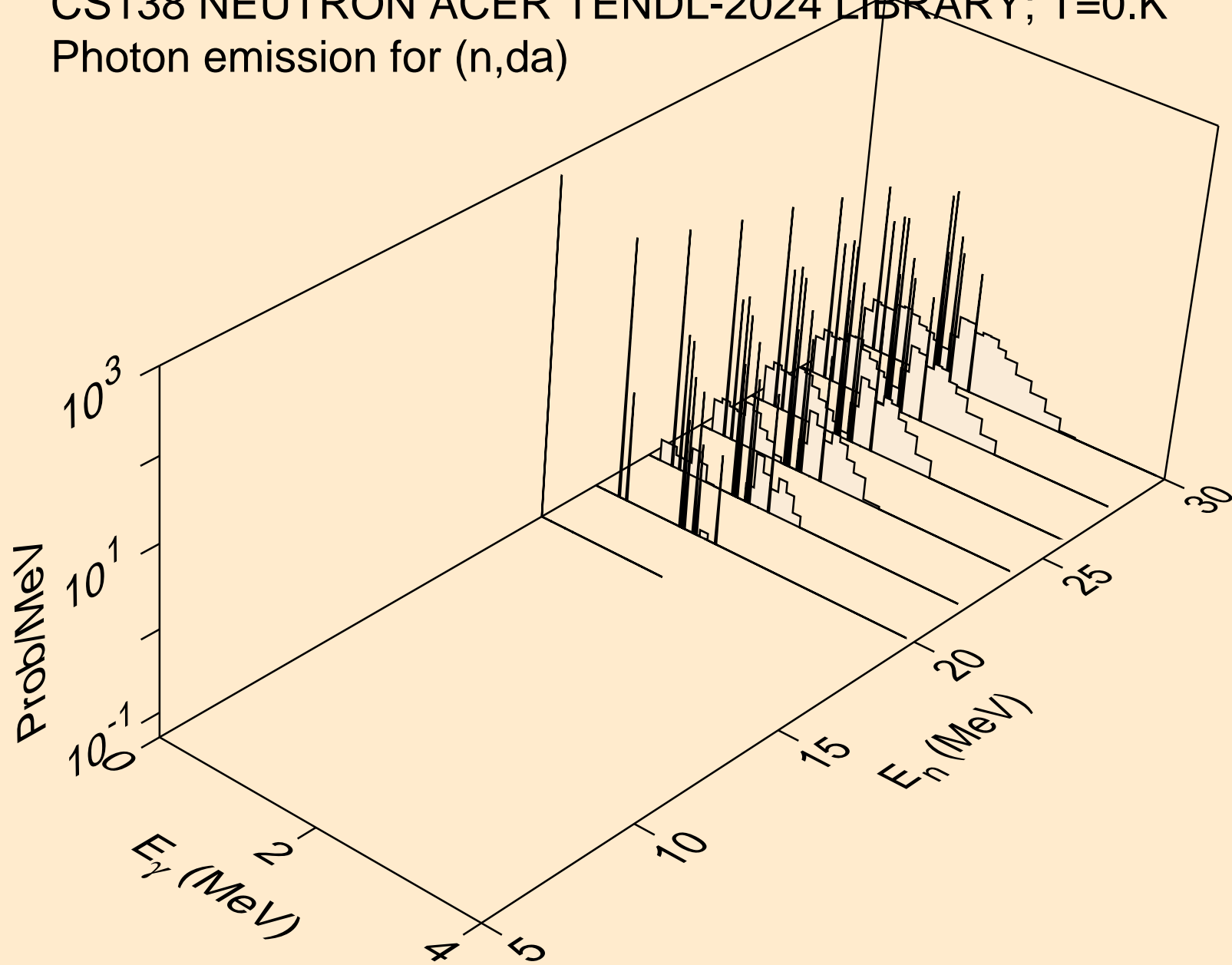


CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)

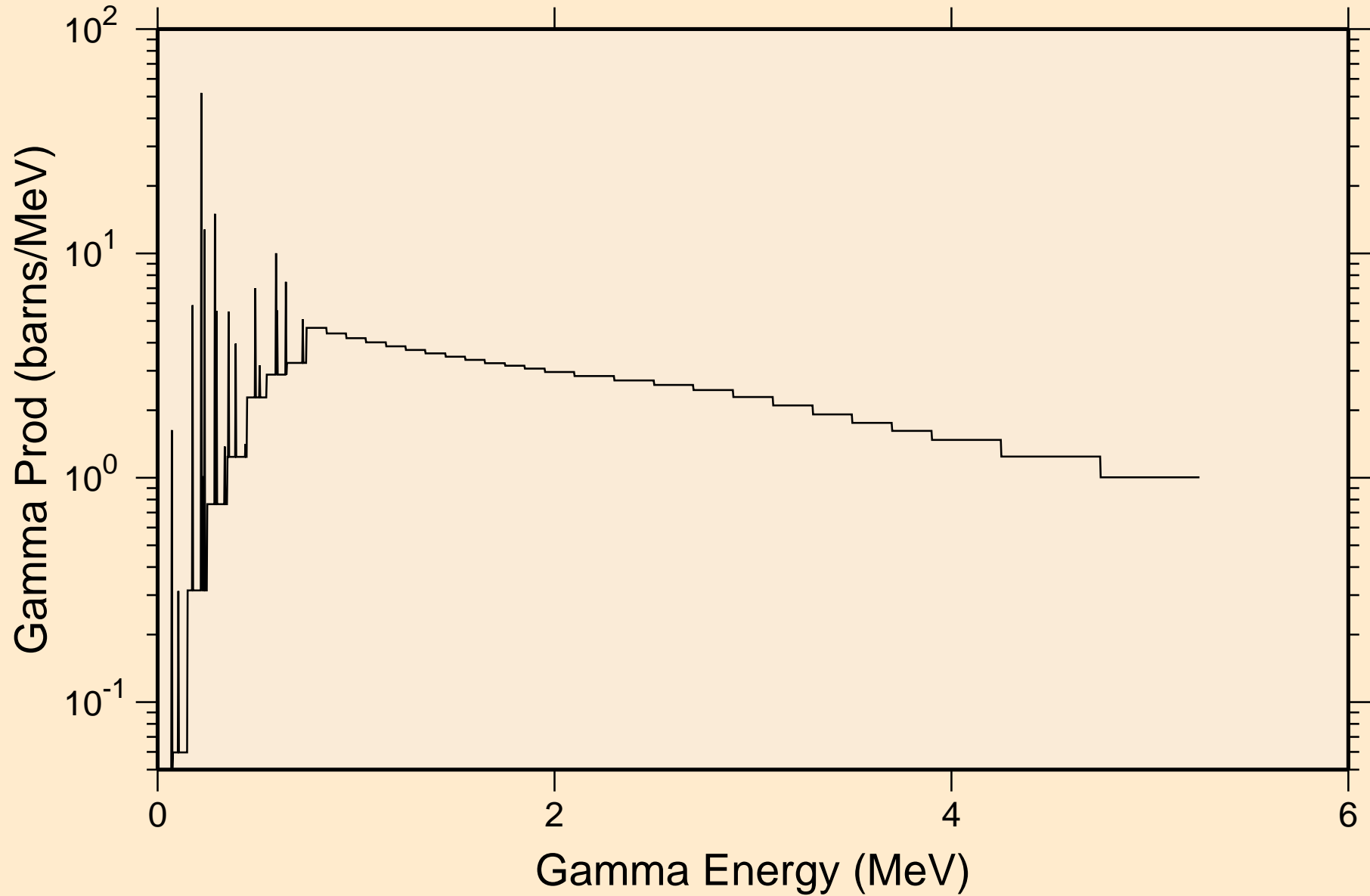




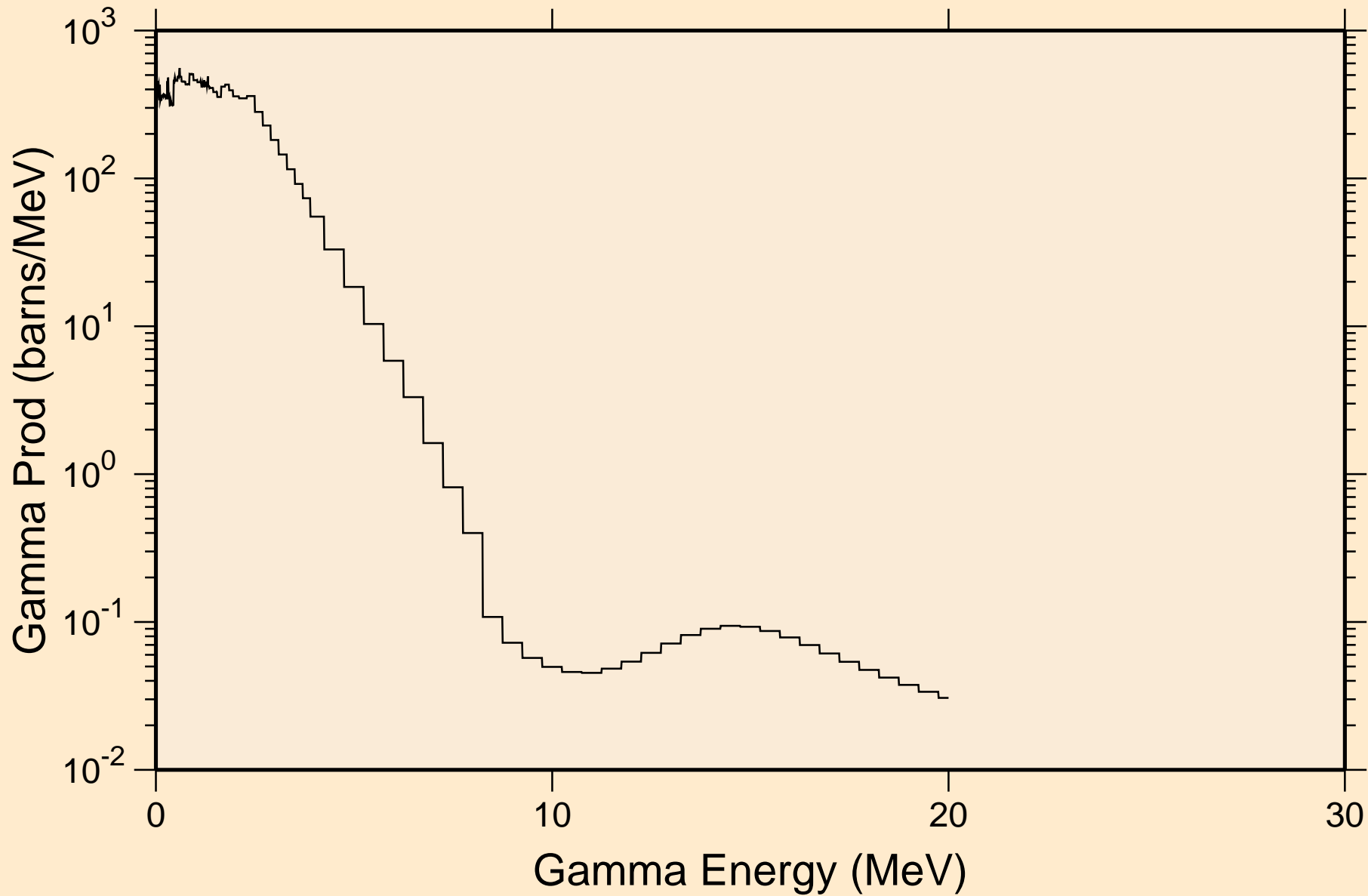
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

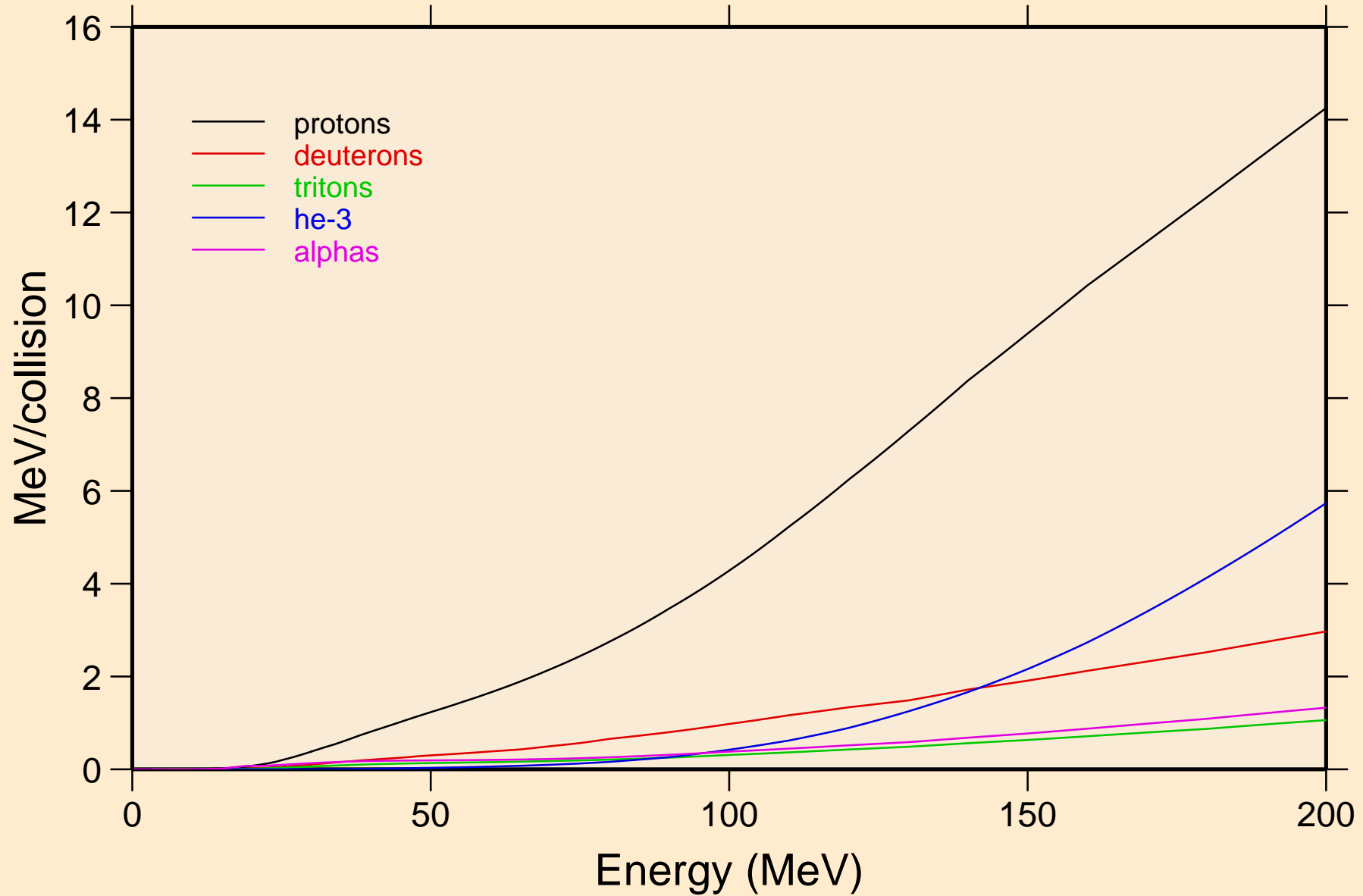


CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum

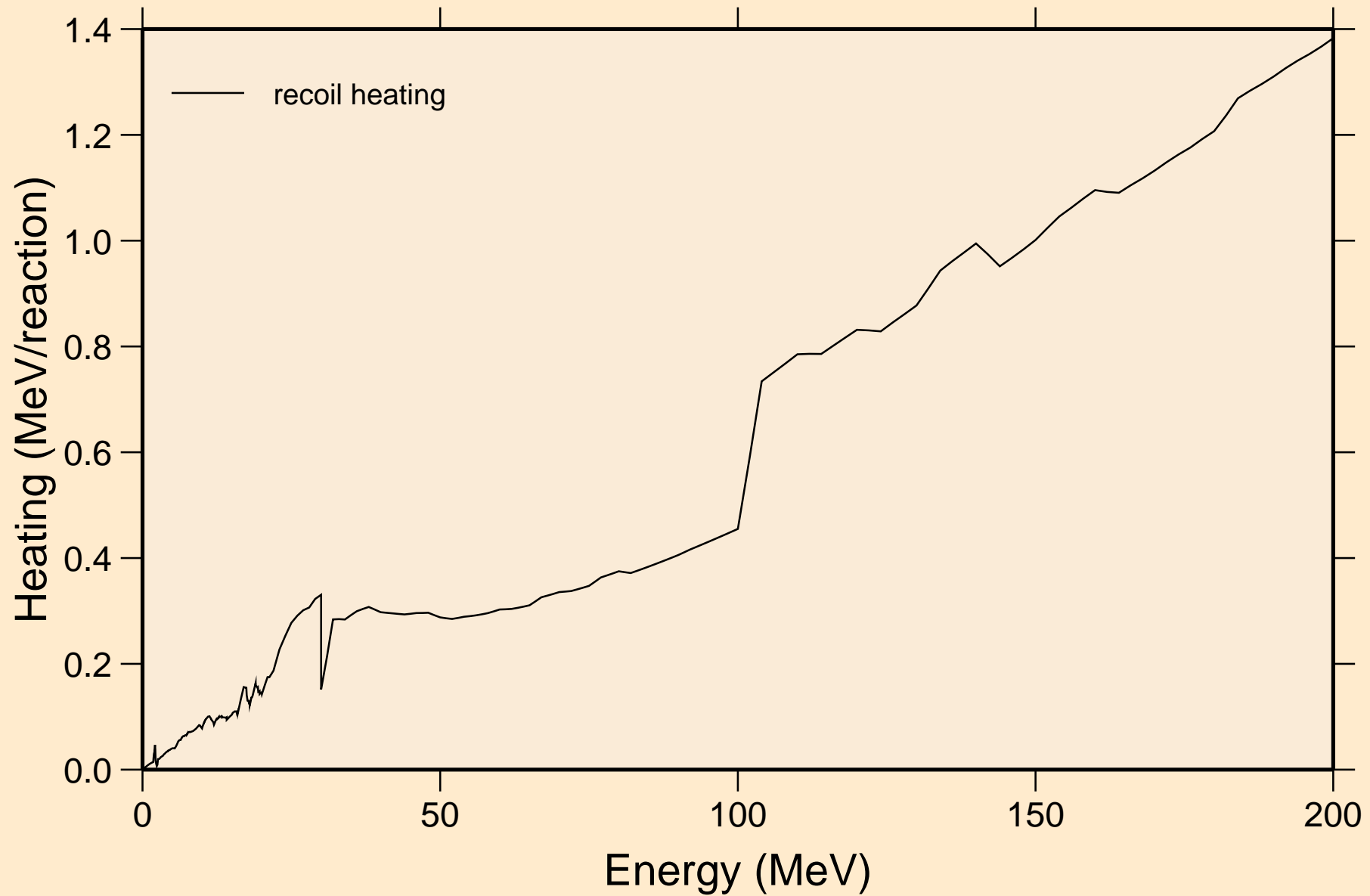


# CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions

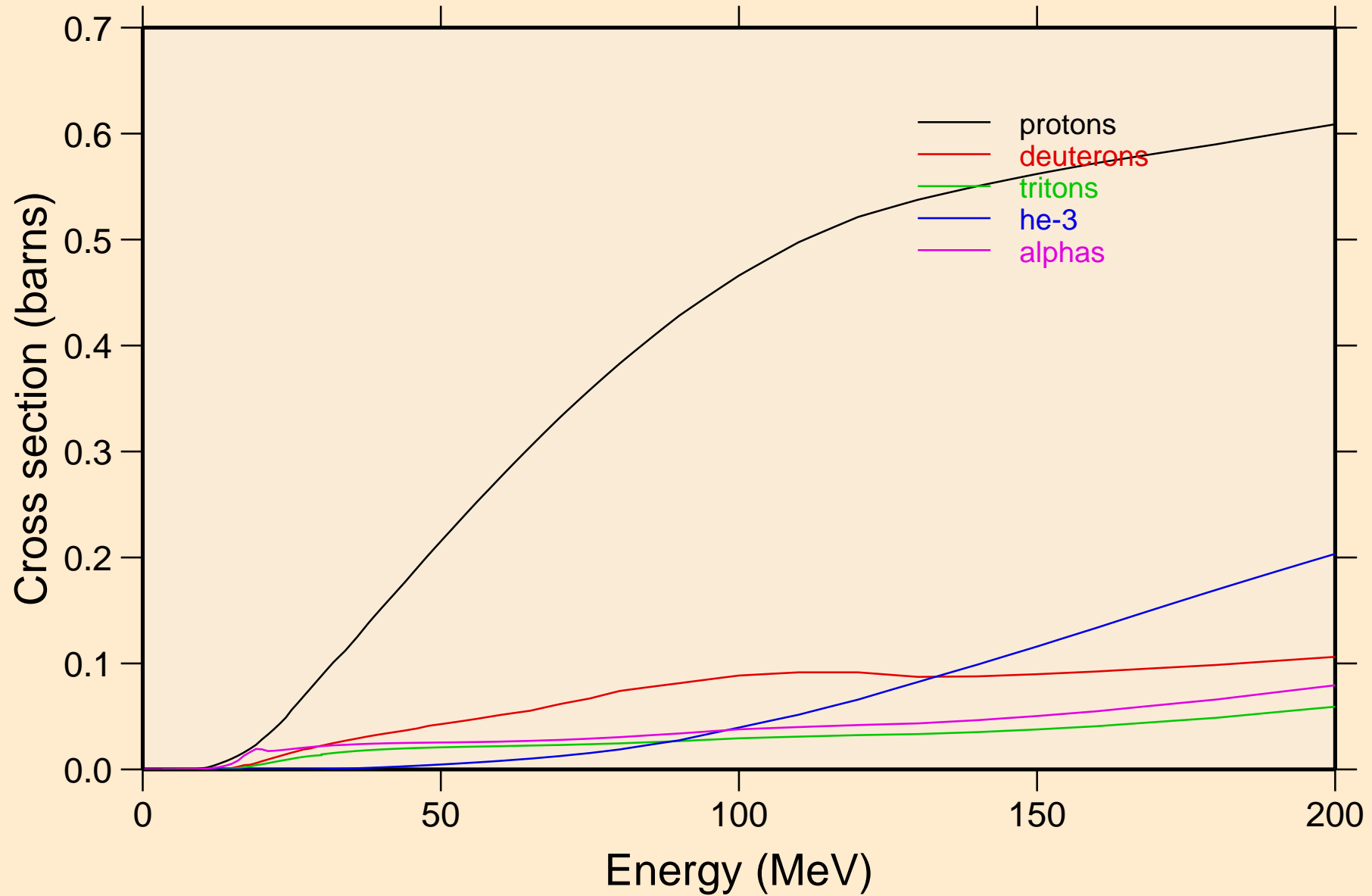


CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating

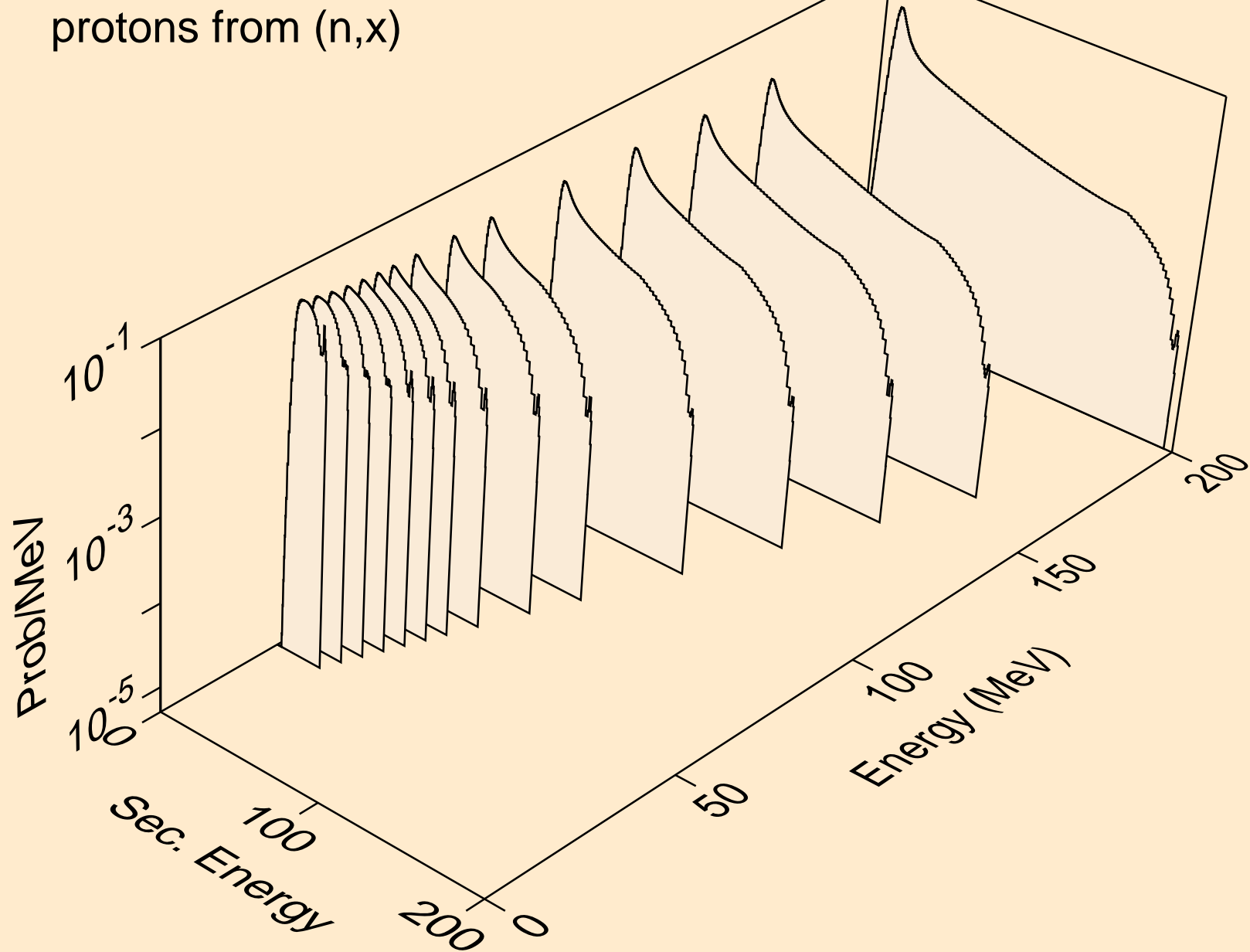


# CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

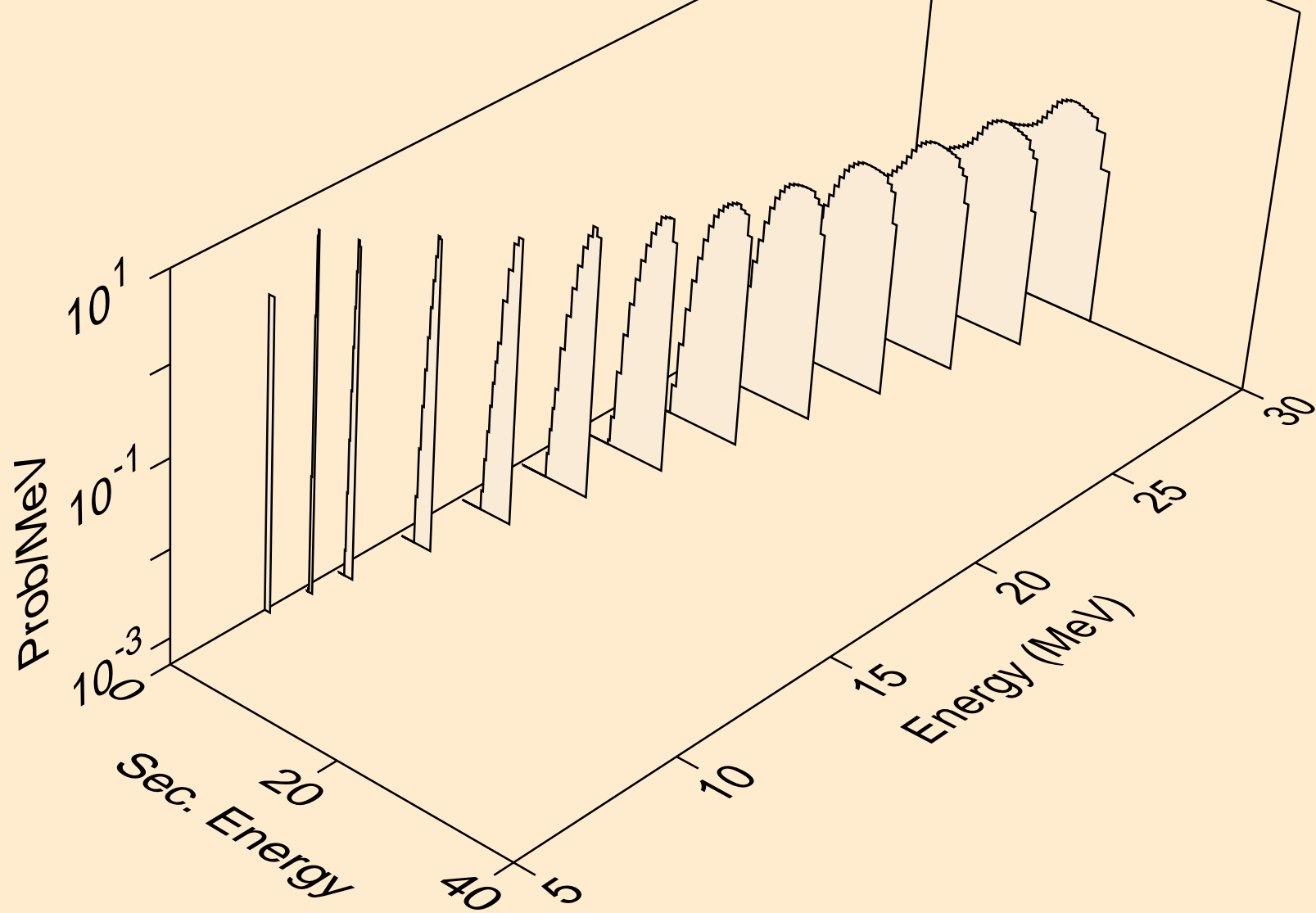
## Particle production cross sections



CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)

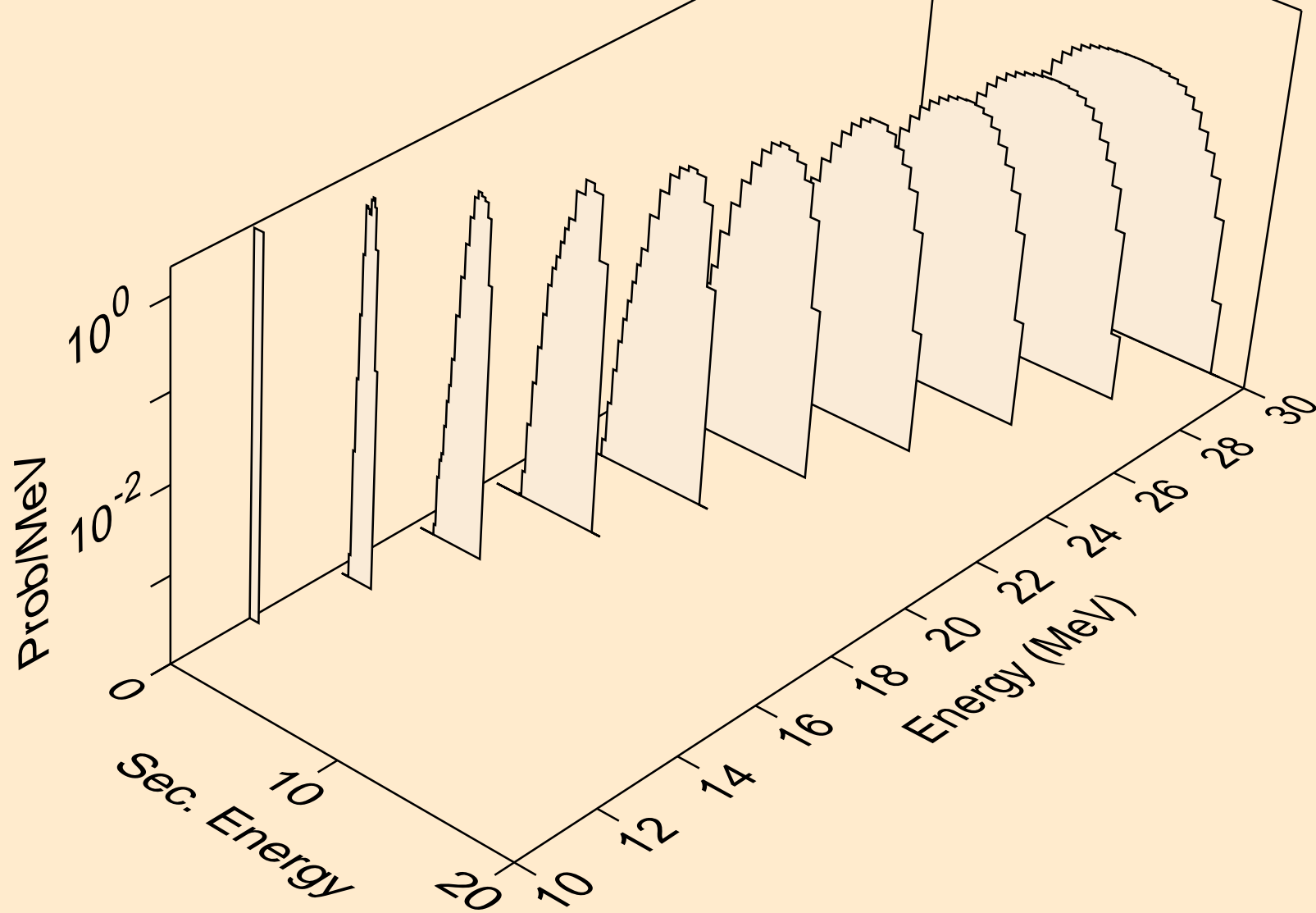


CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p

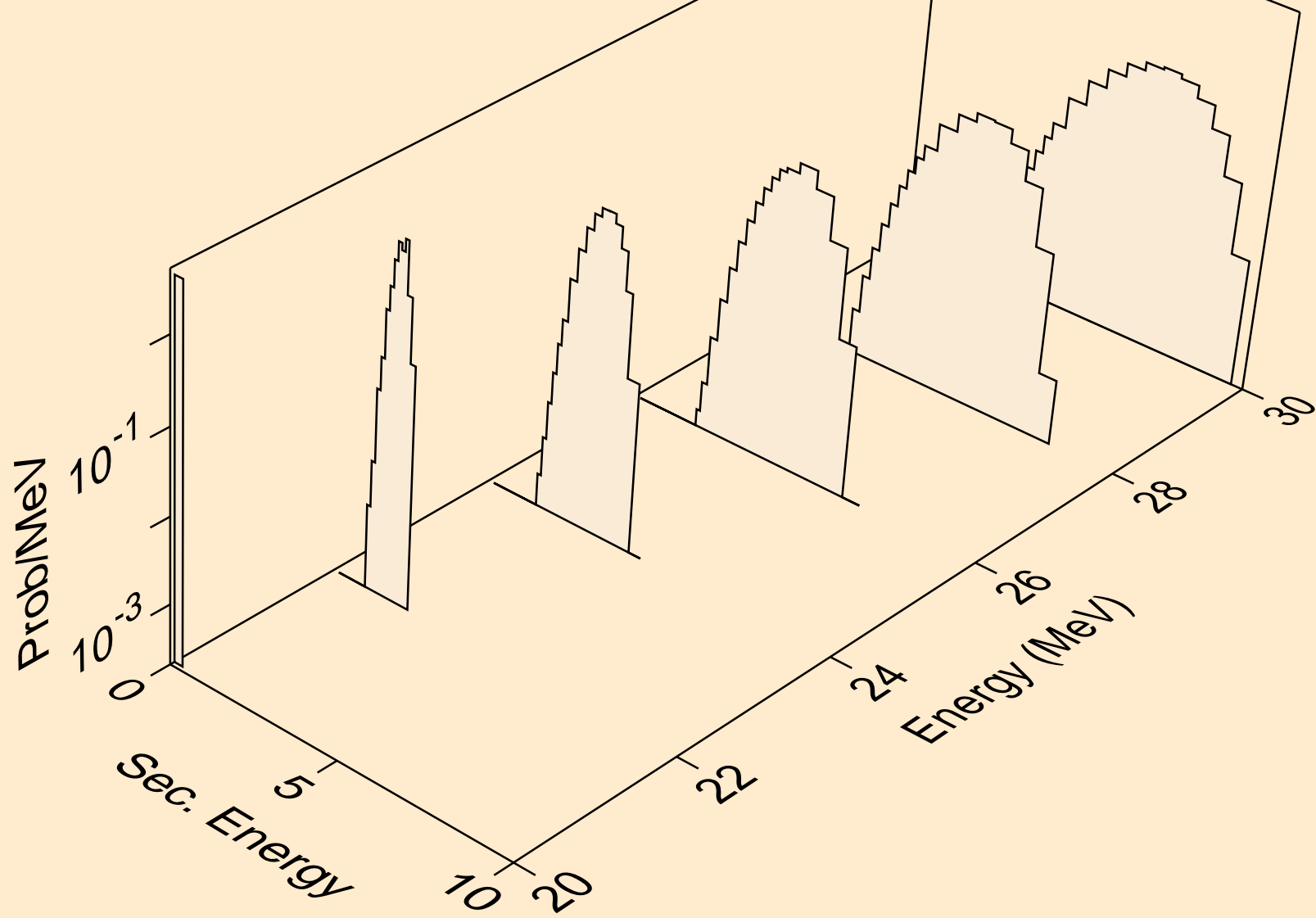




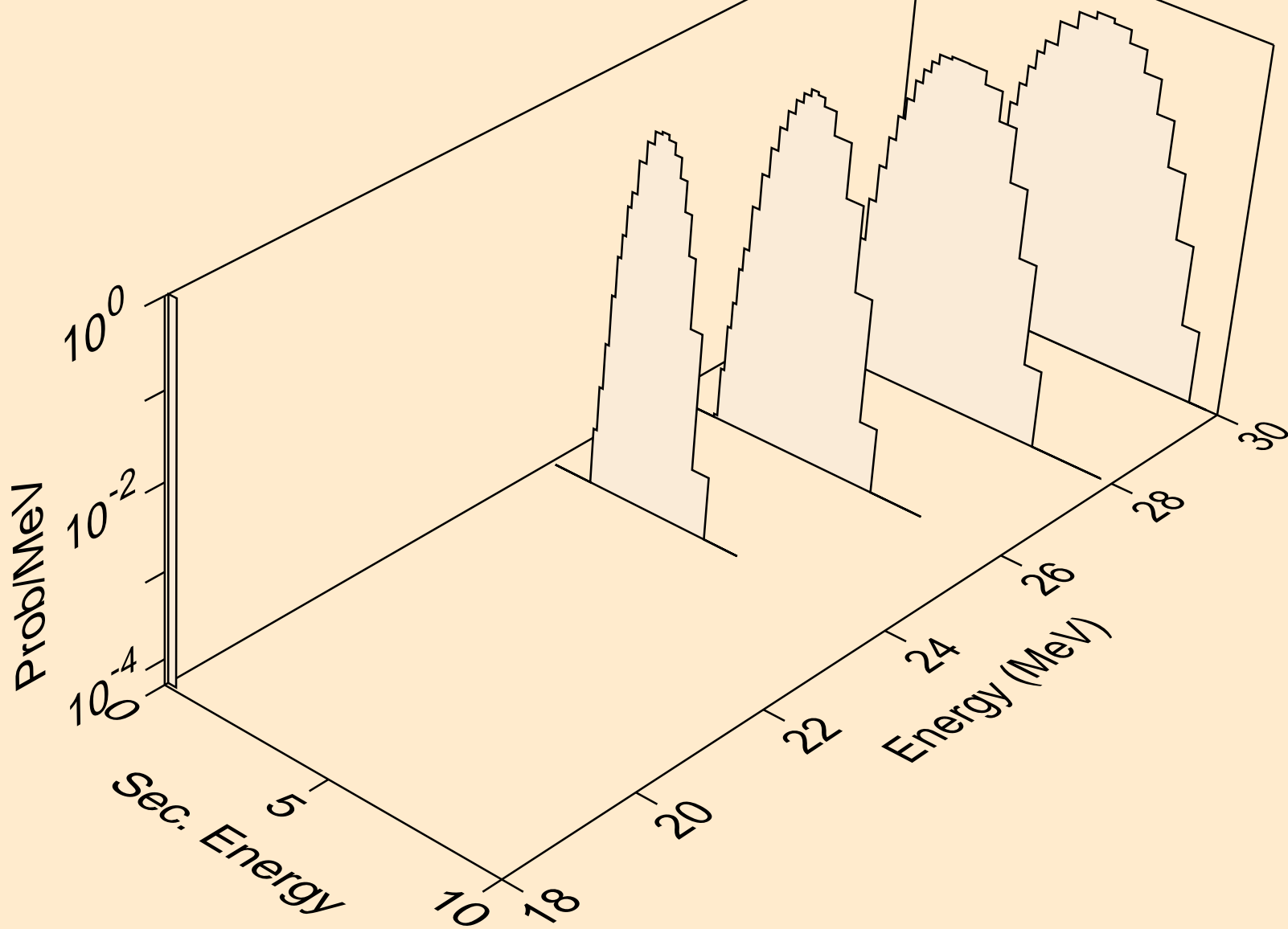
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)



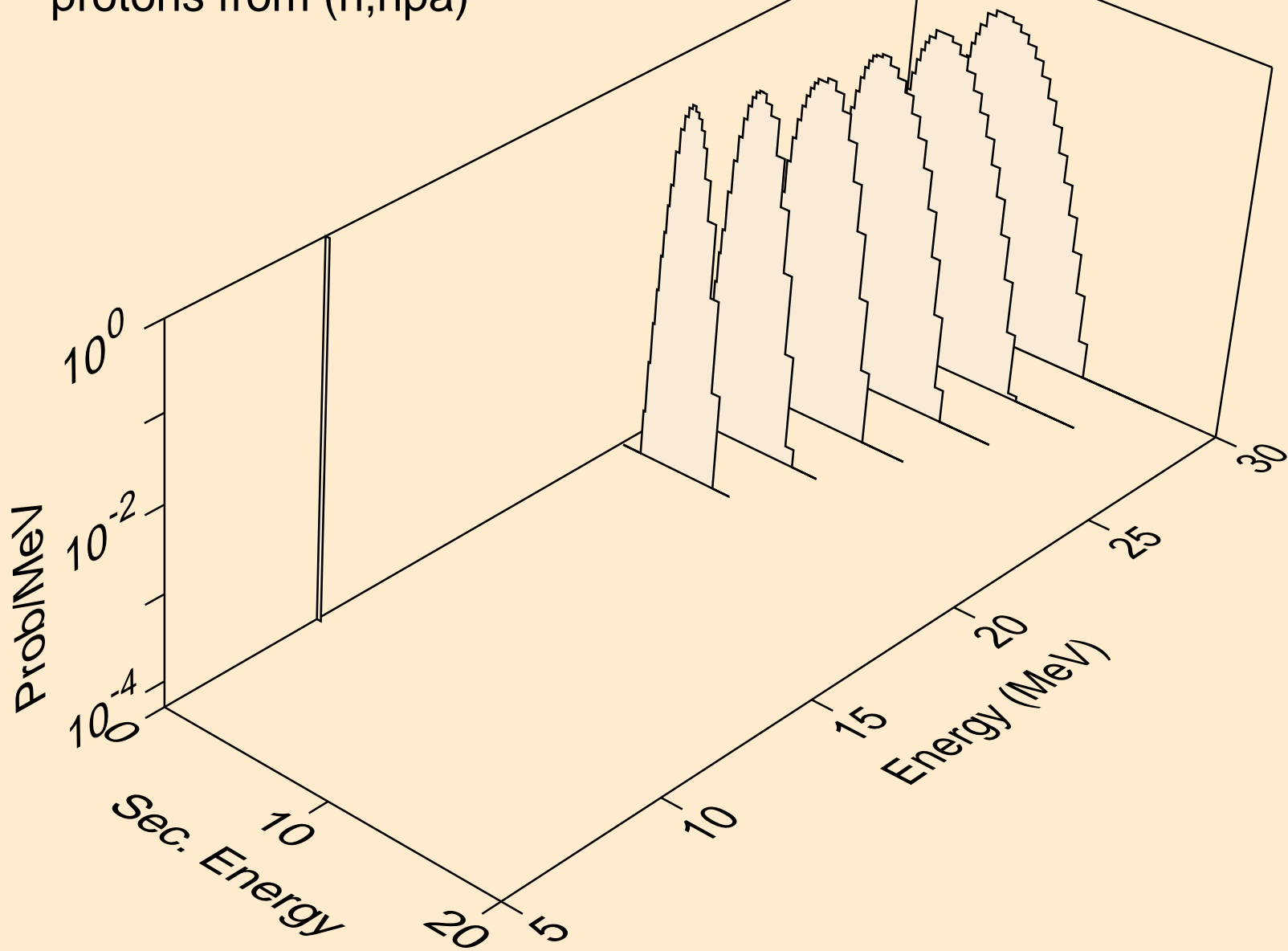
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)



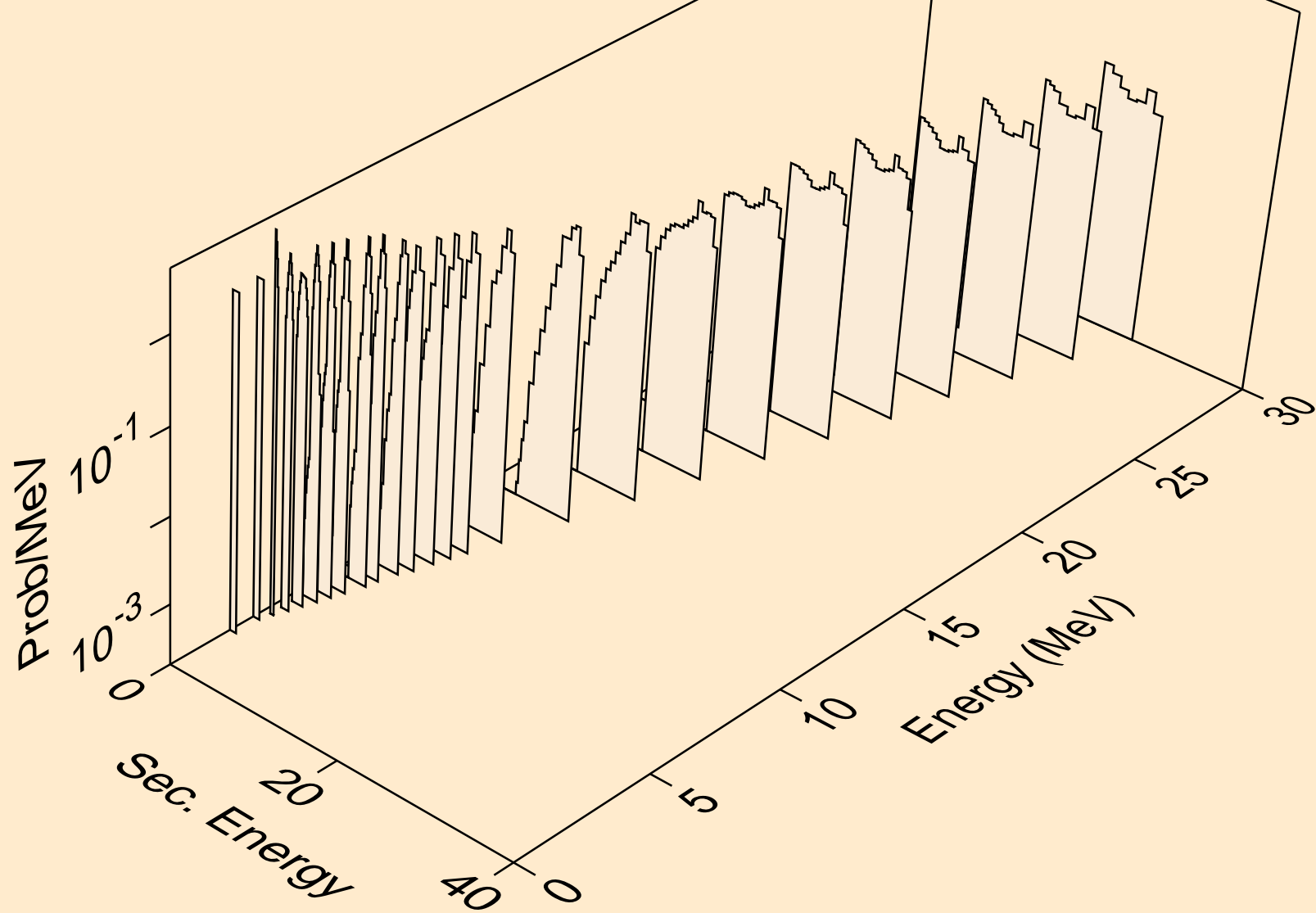
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n2p)



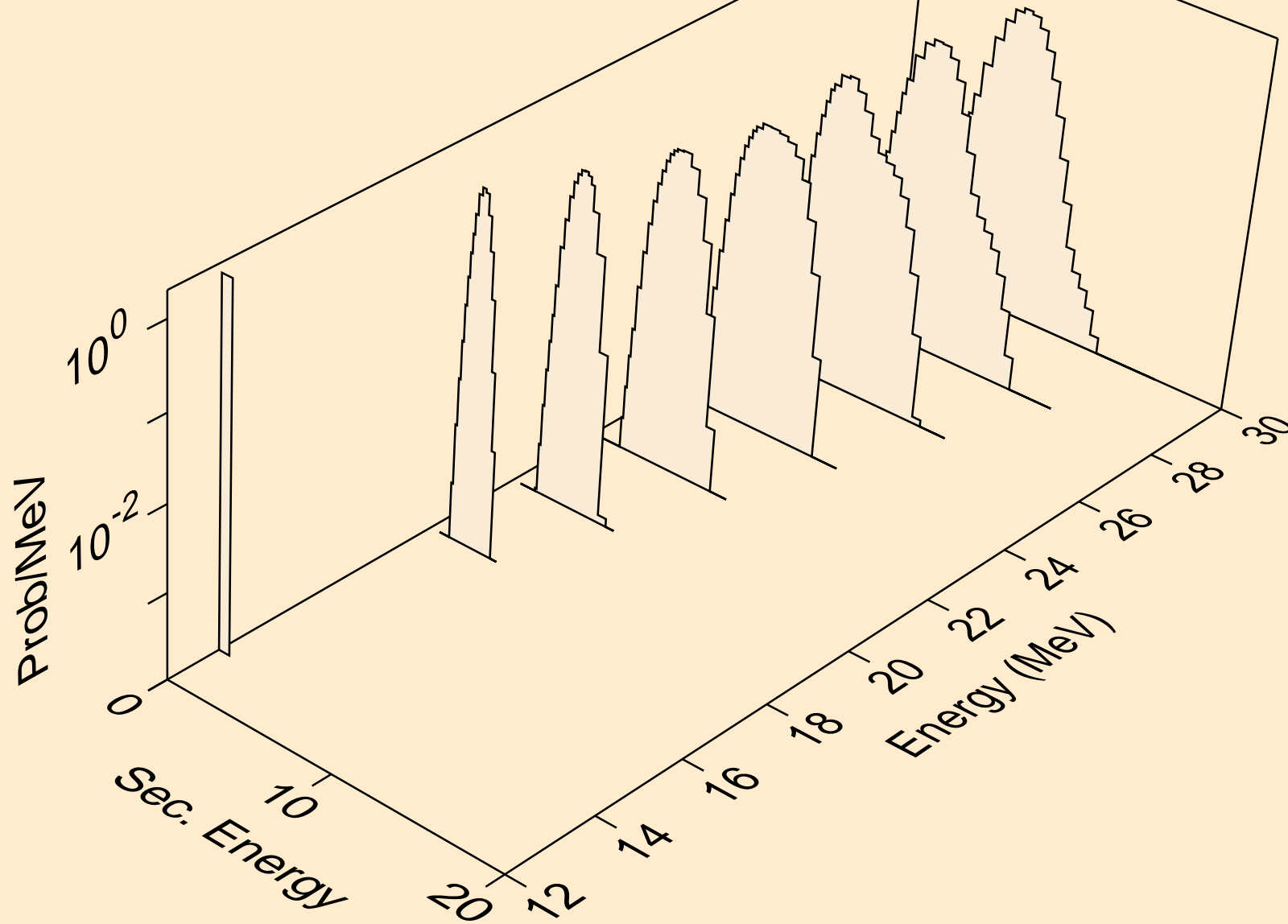
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,npa)



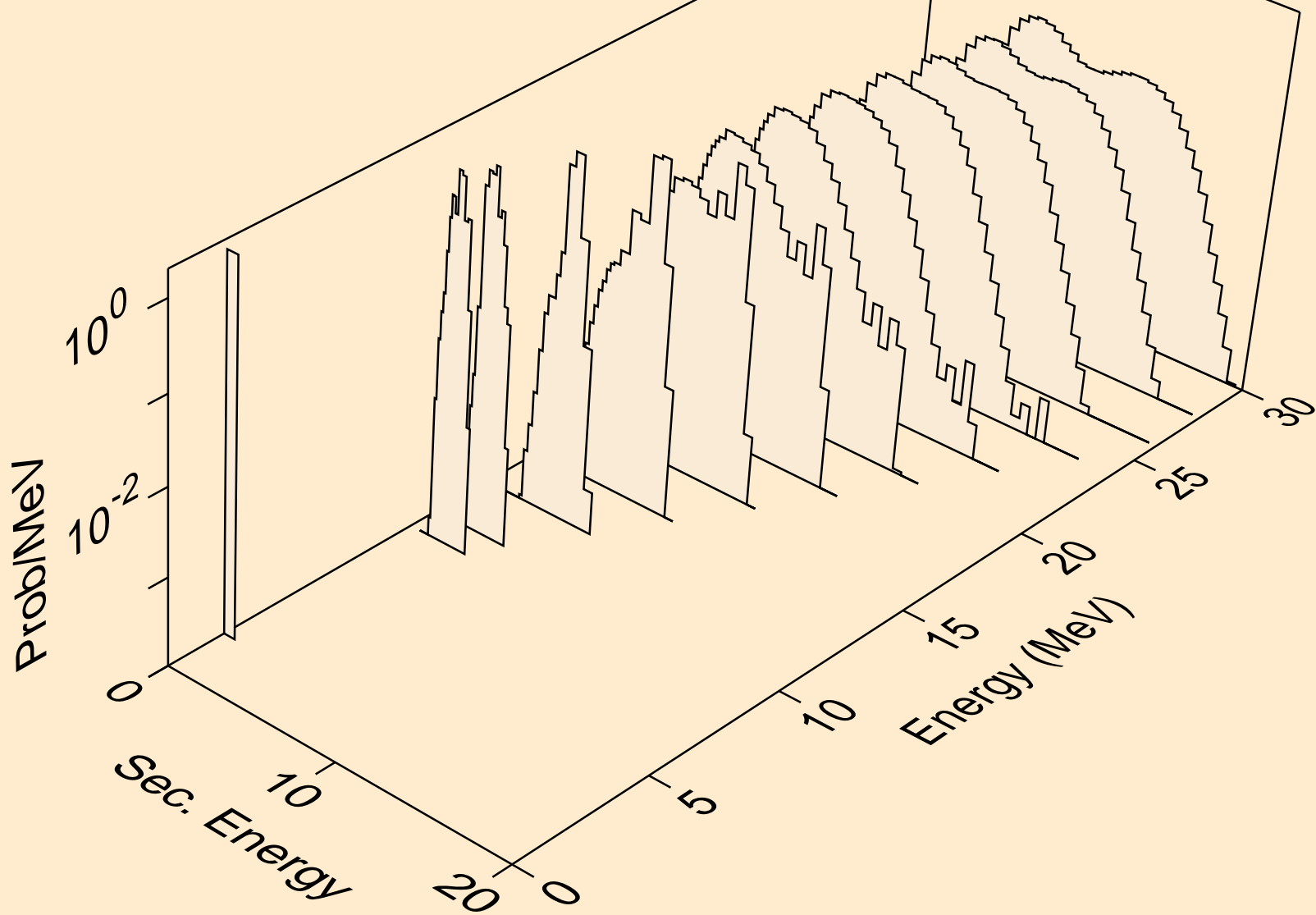
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)



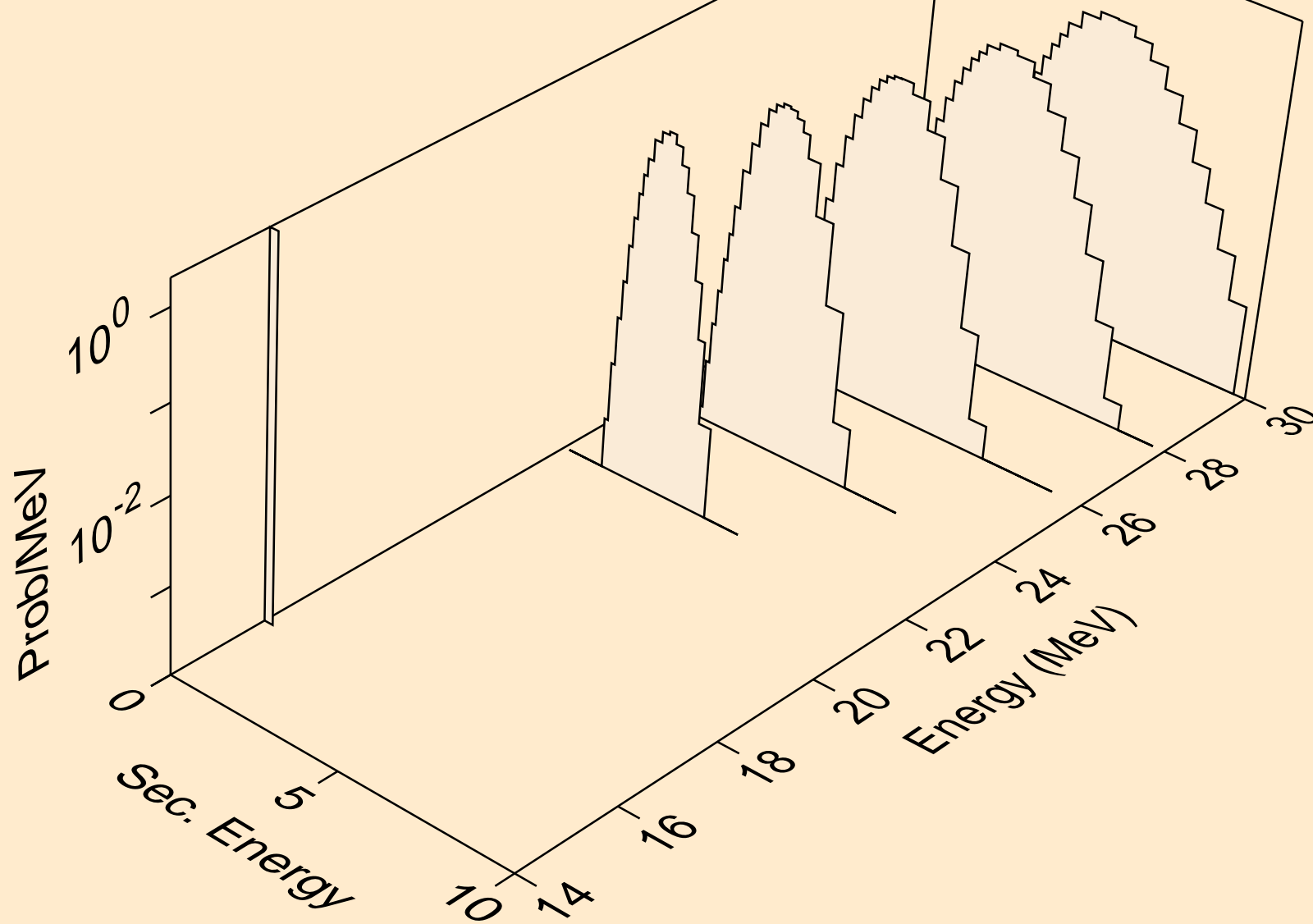
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2p)



CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)

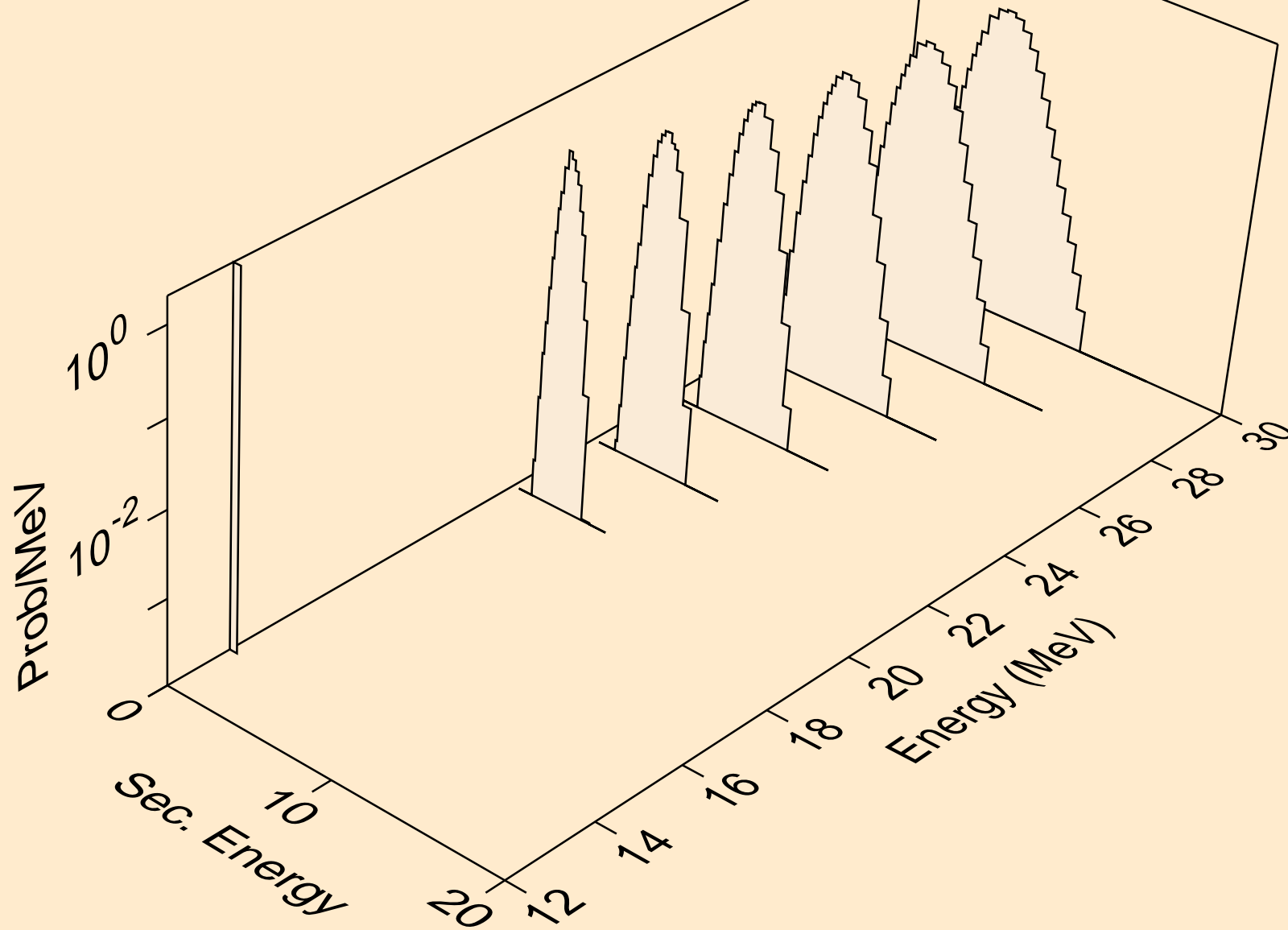


CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pd)

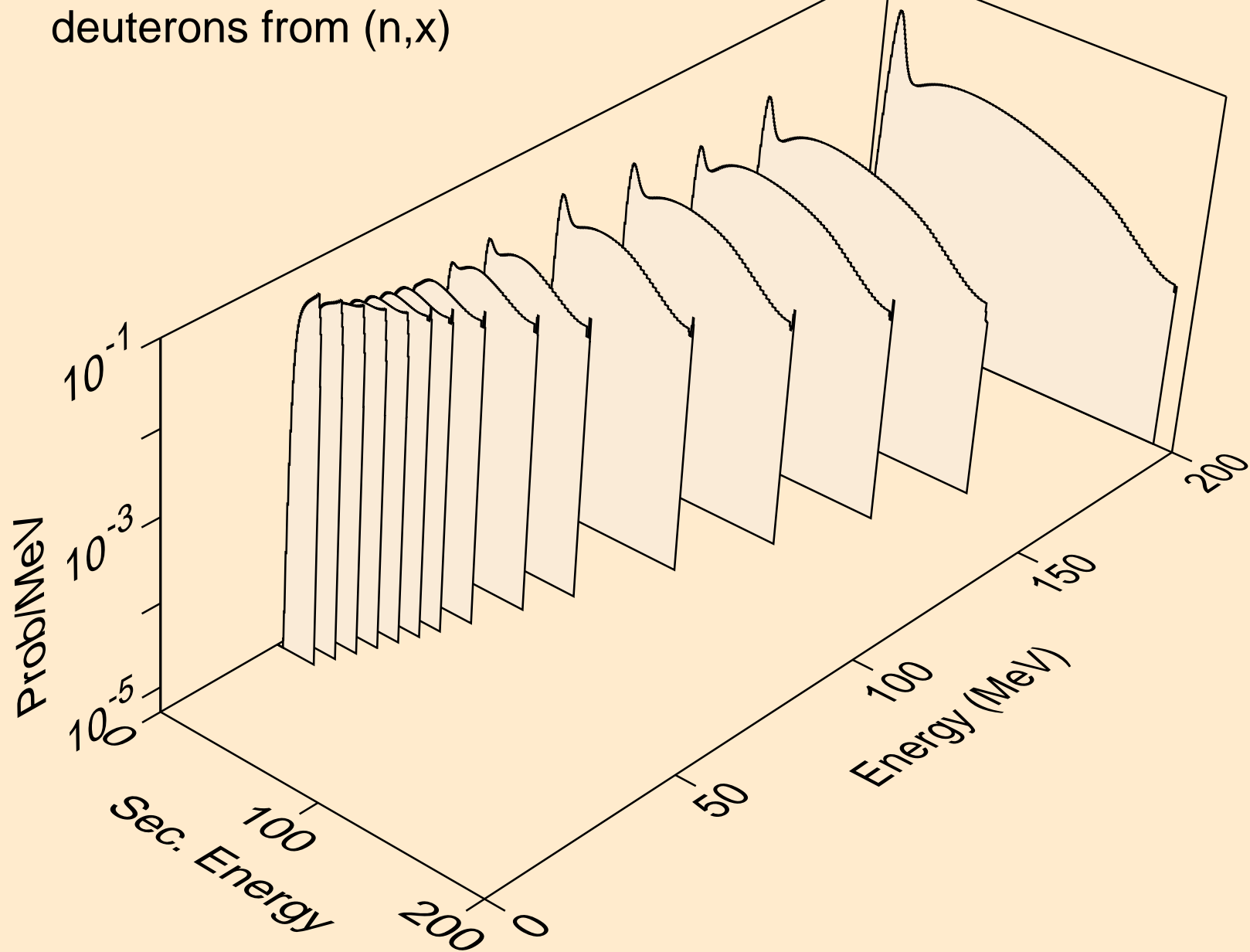




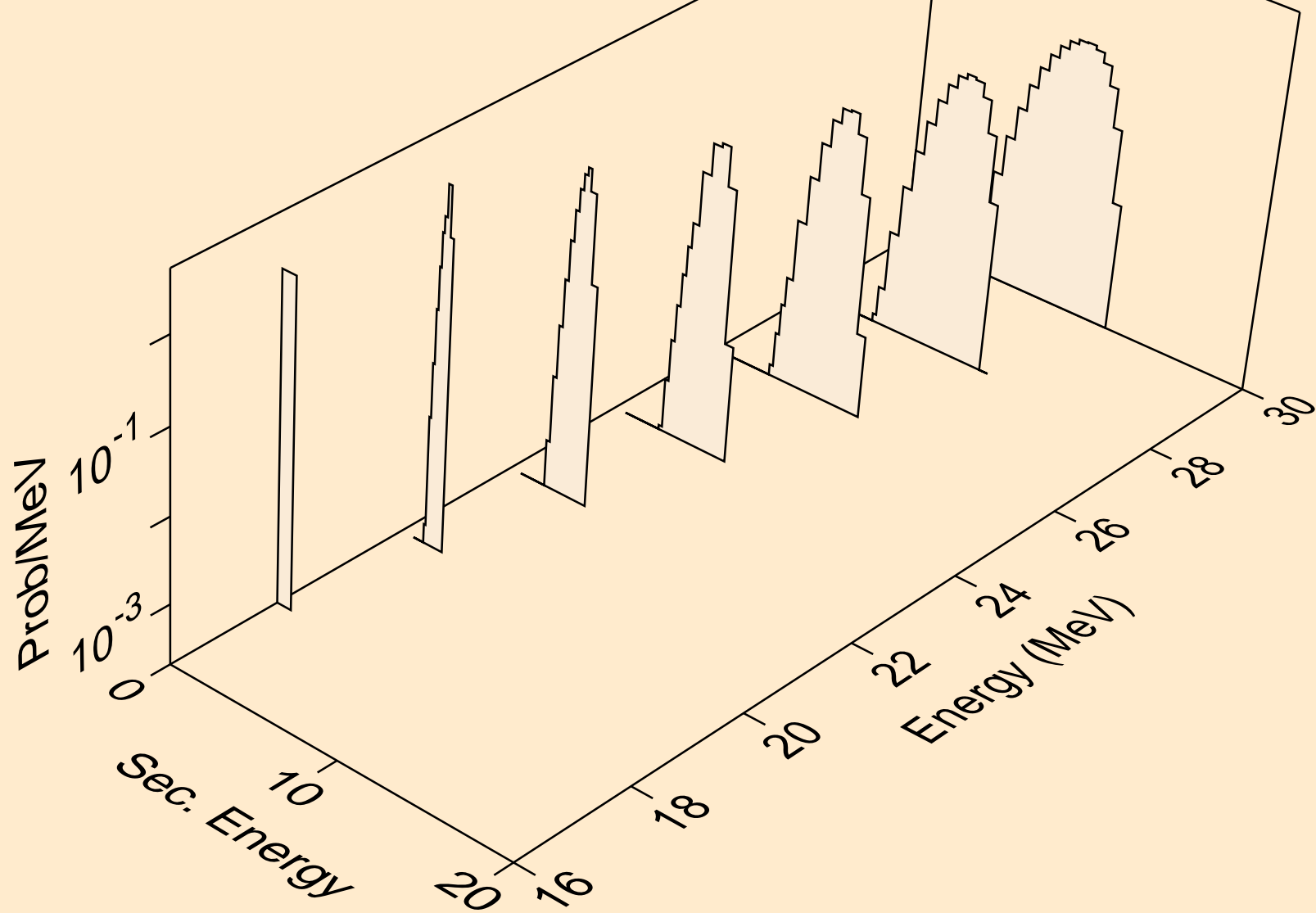
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pt)



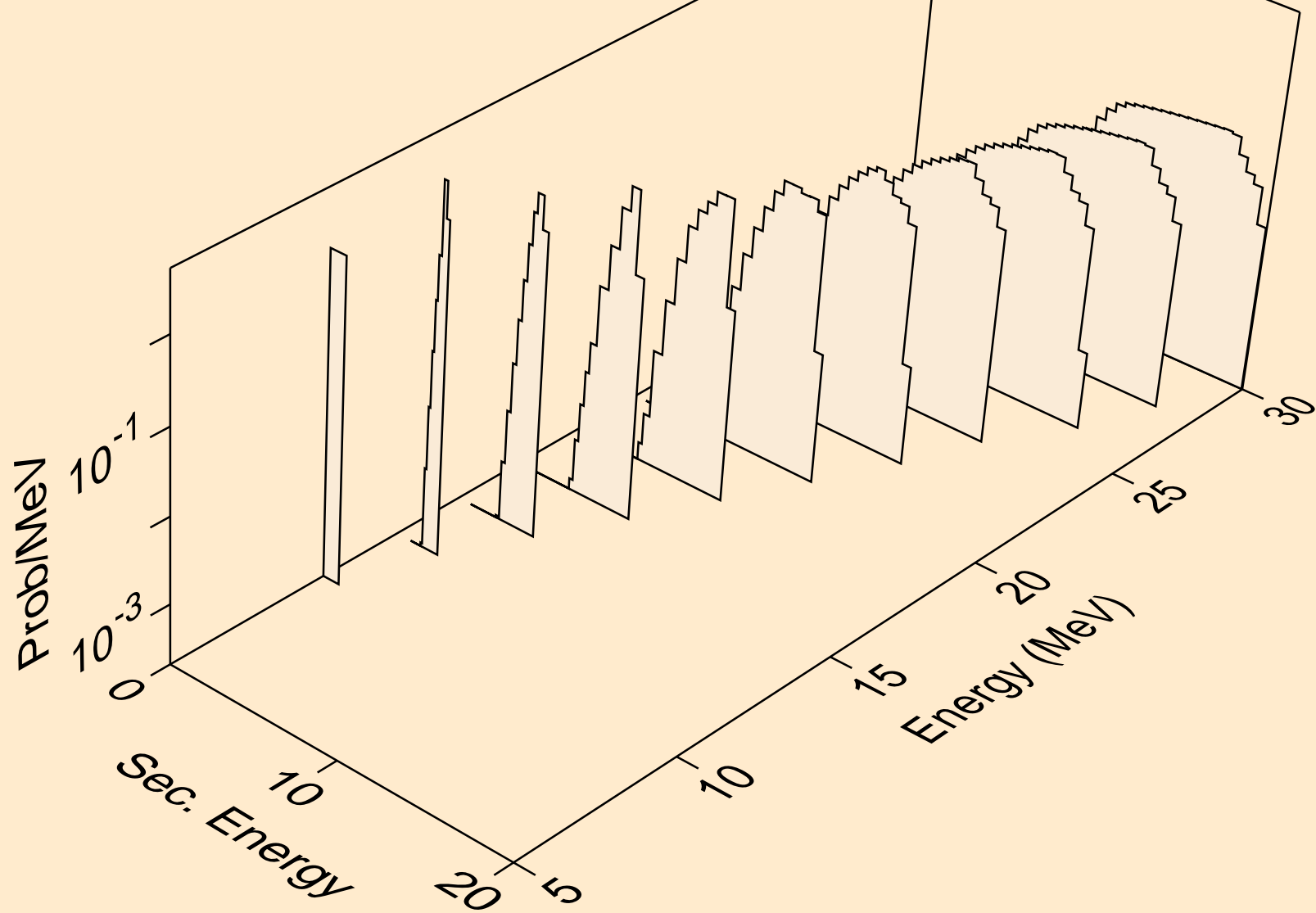
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)



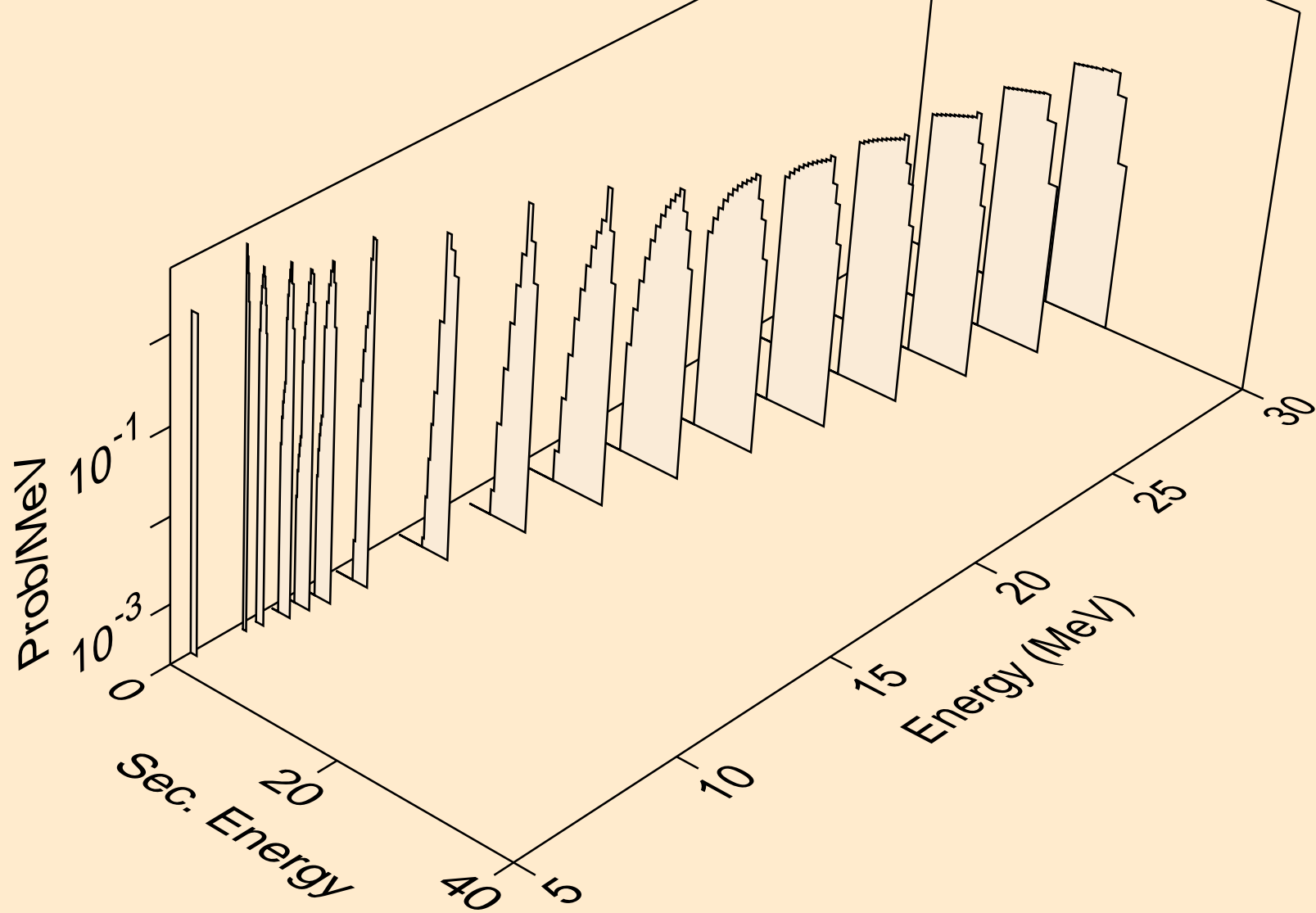
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,2nd)



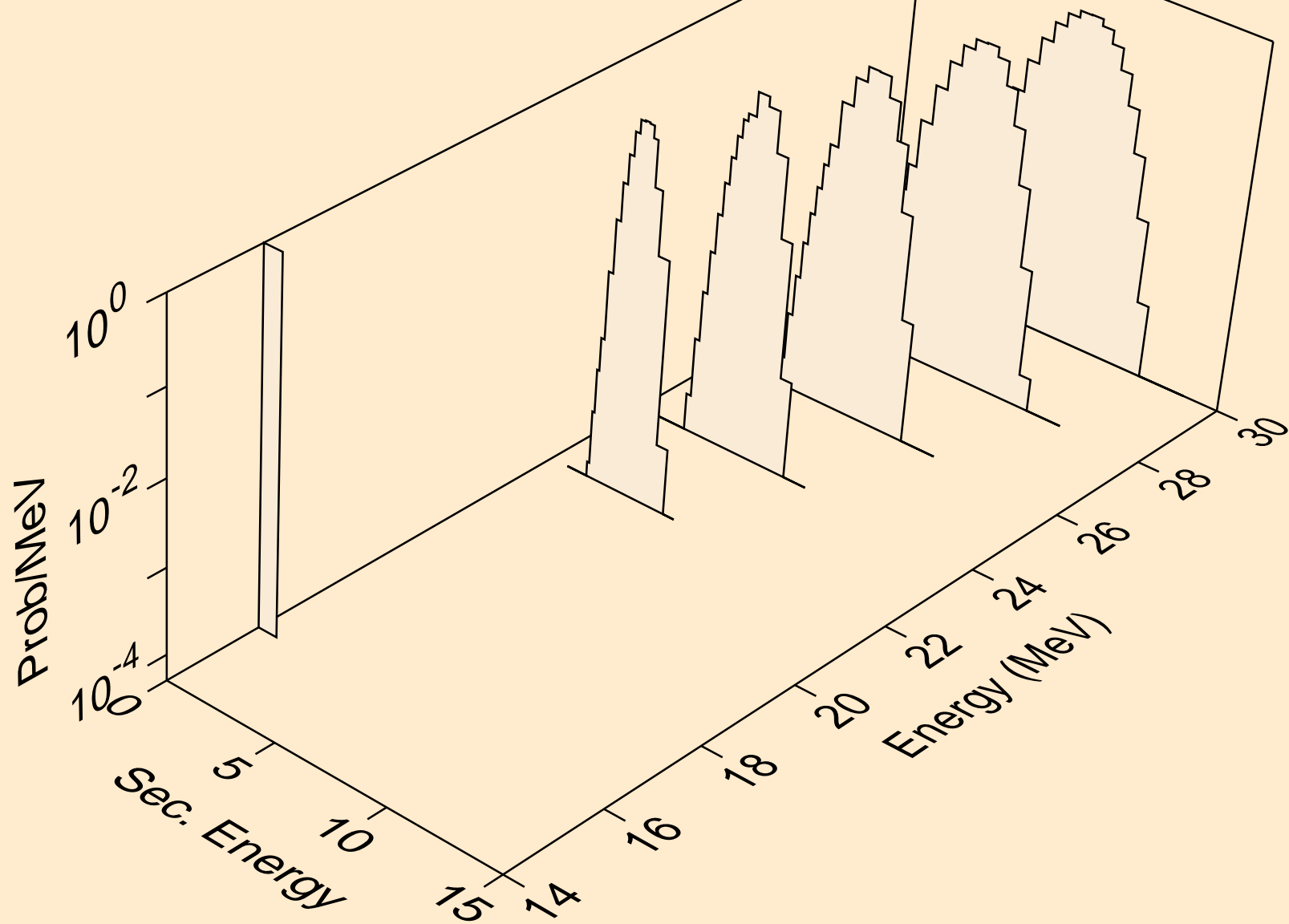
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,n\*)d



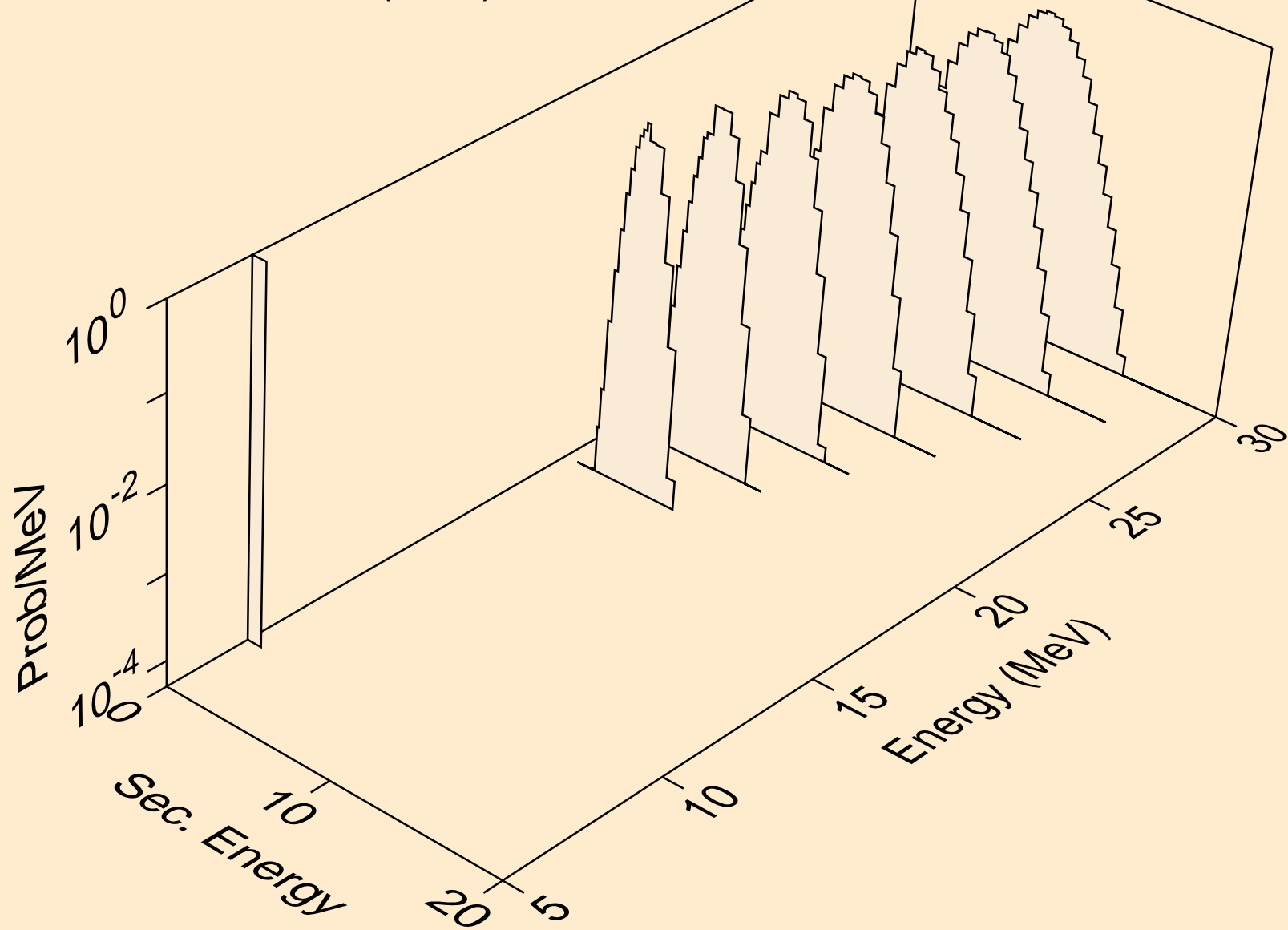
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,d)



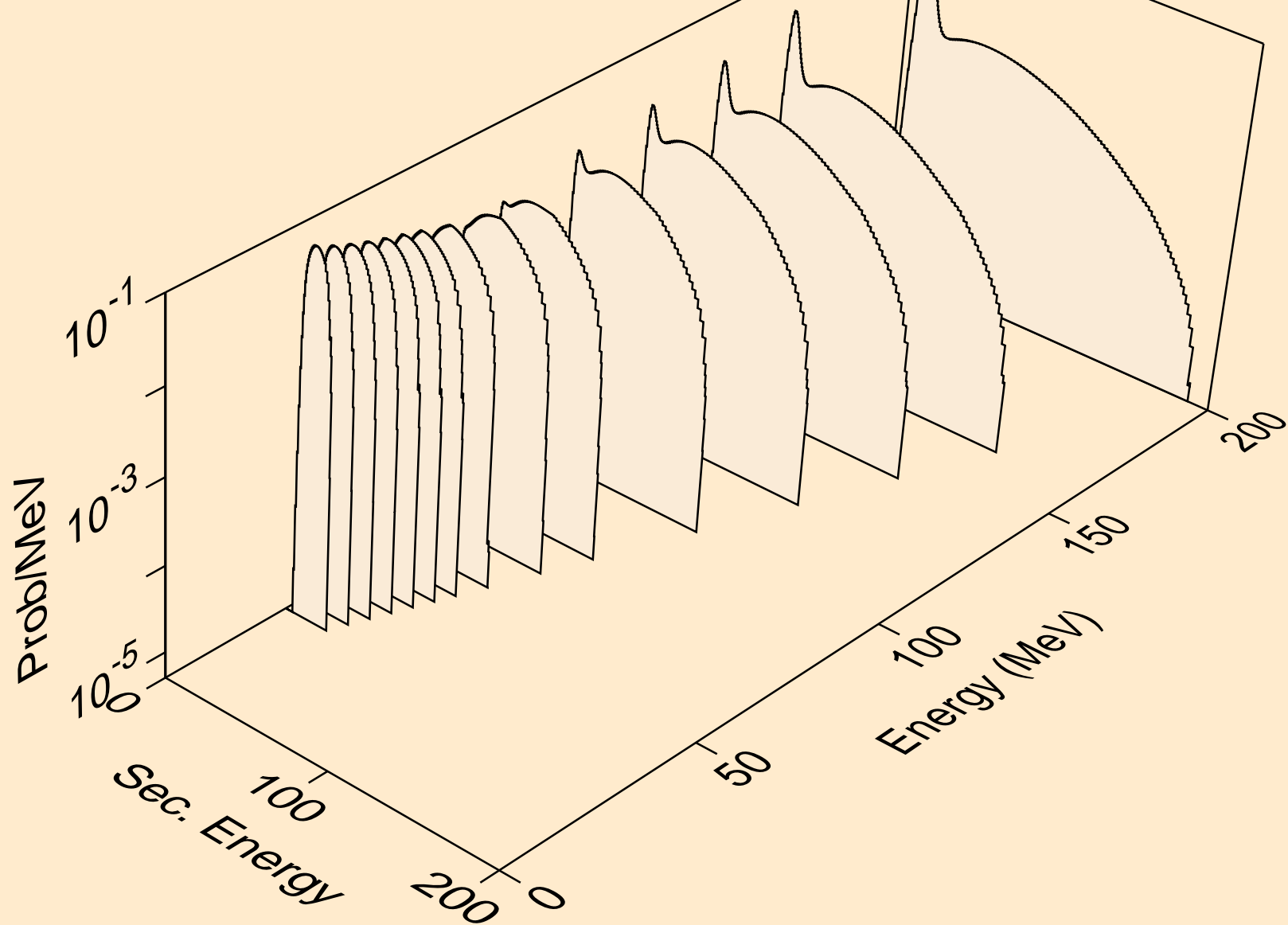
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,pd)



CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,da)

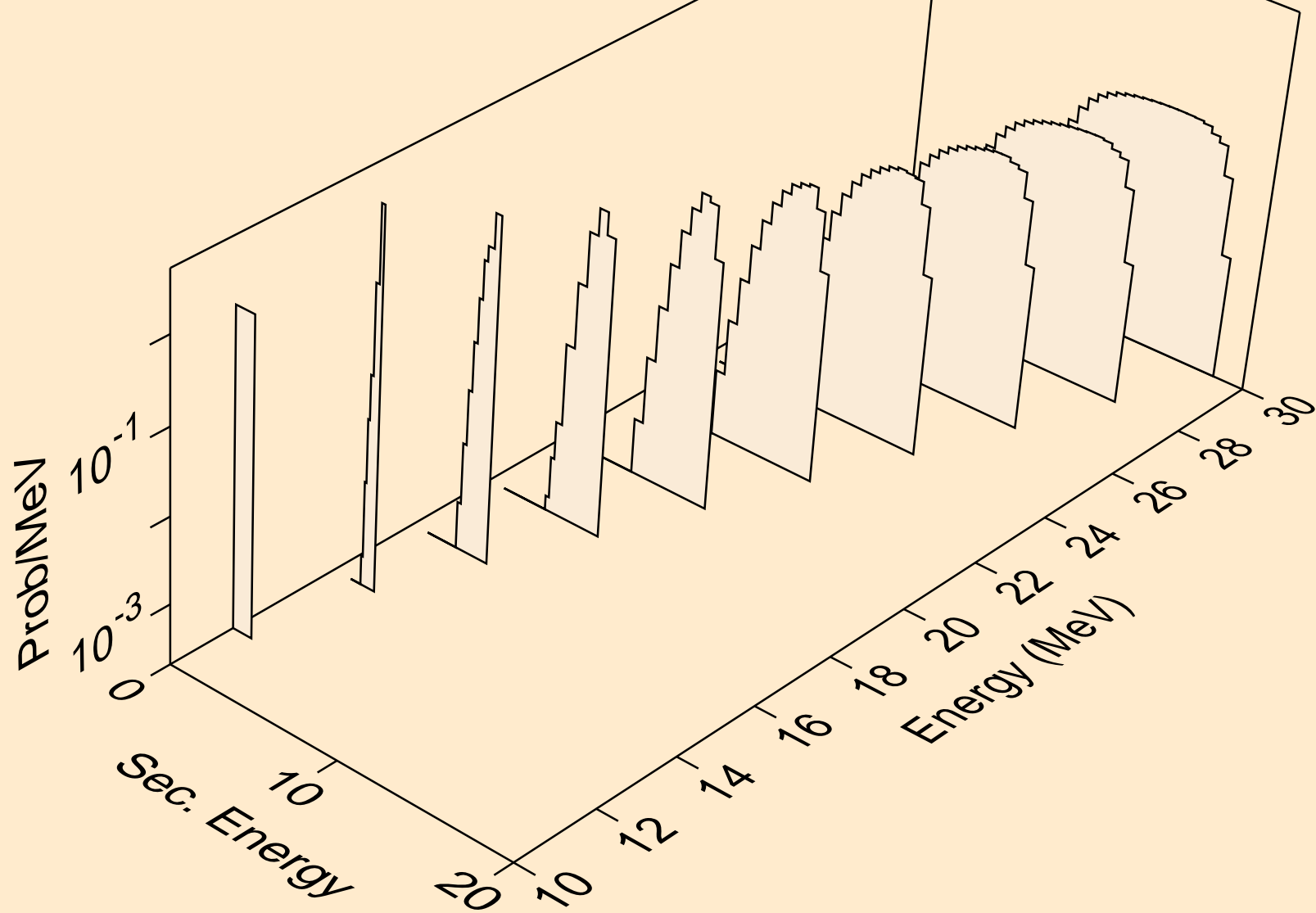


CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)

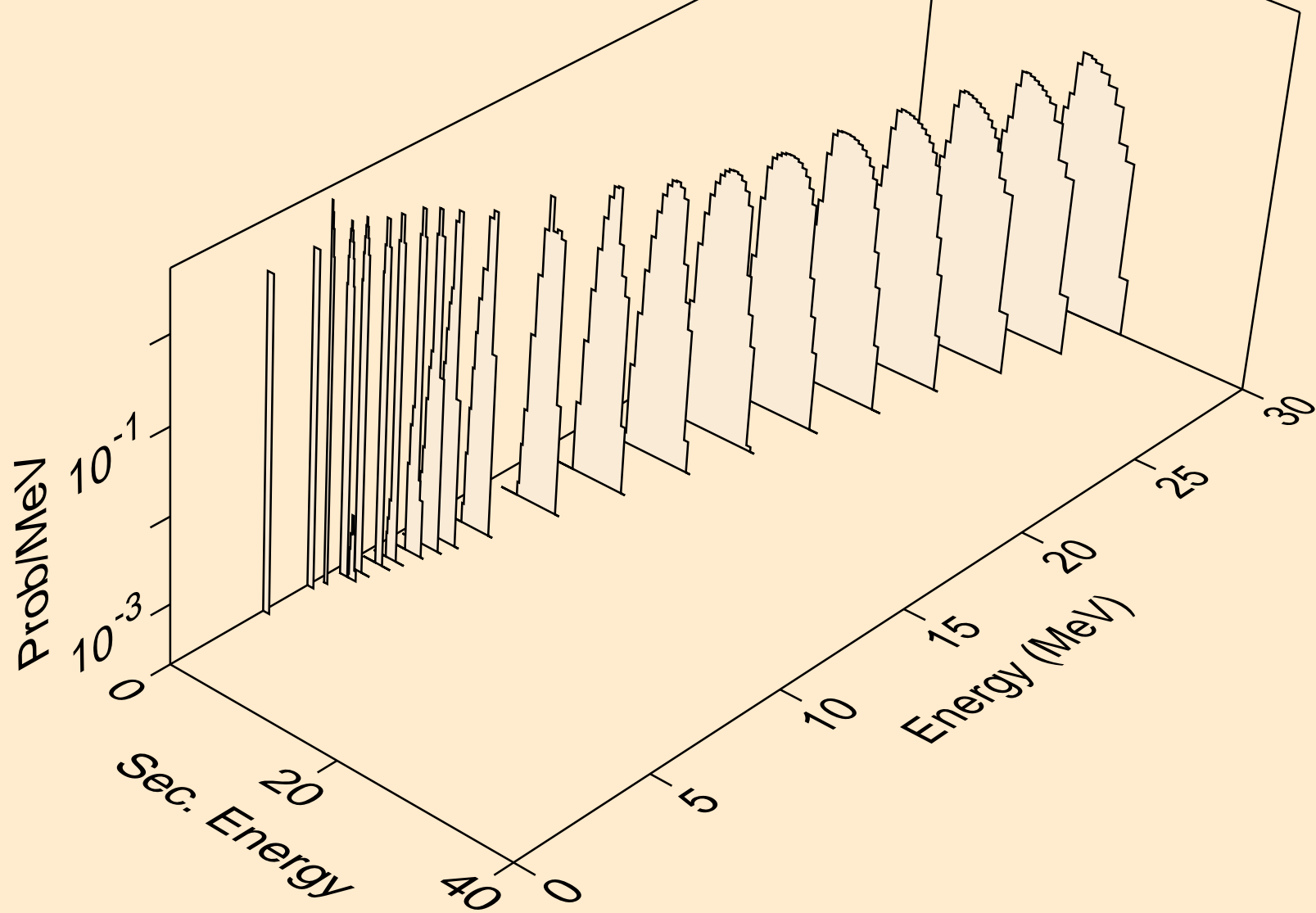




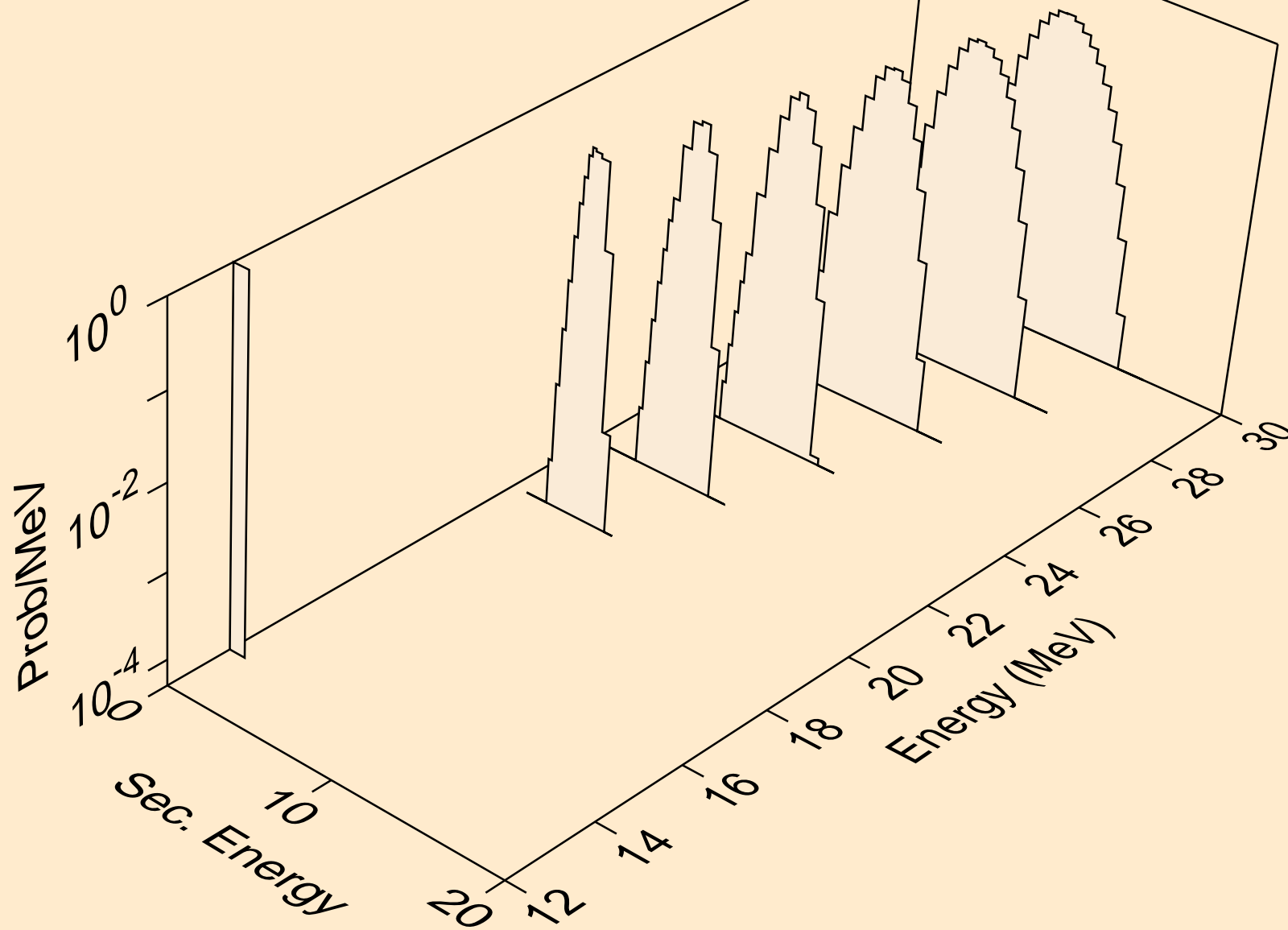
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



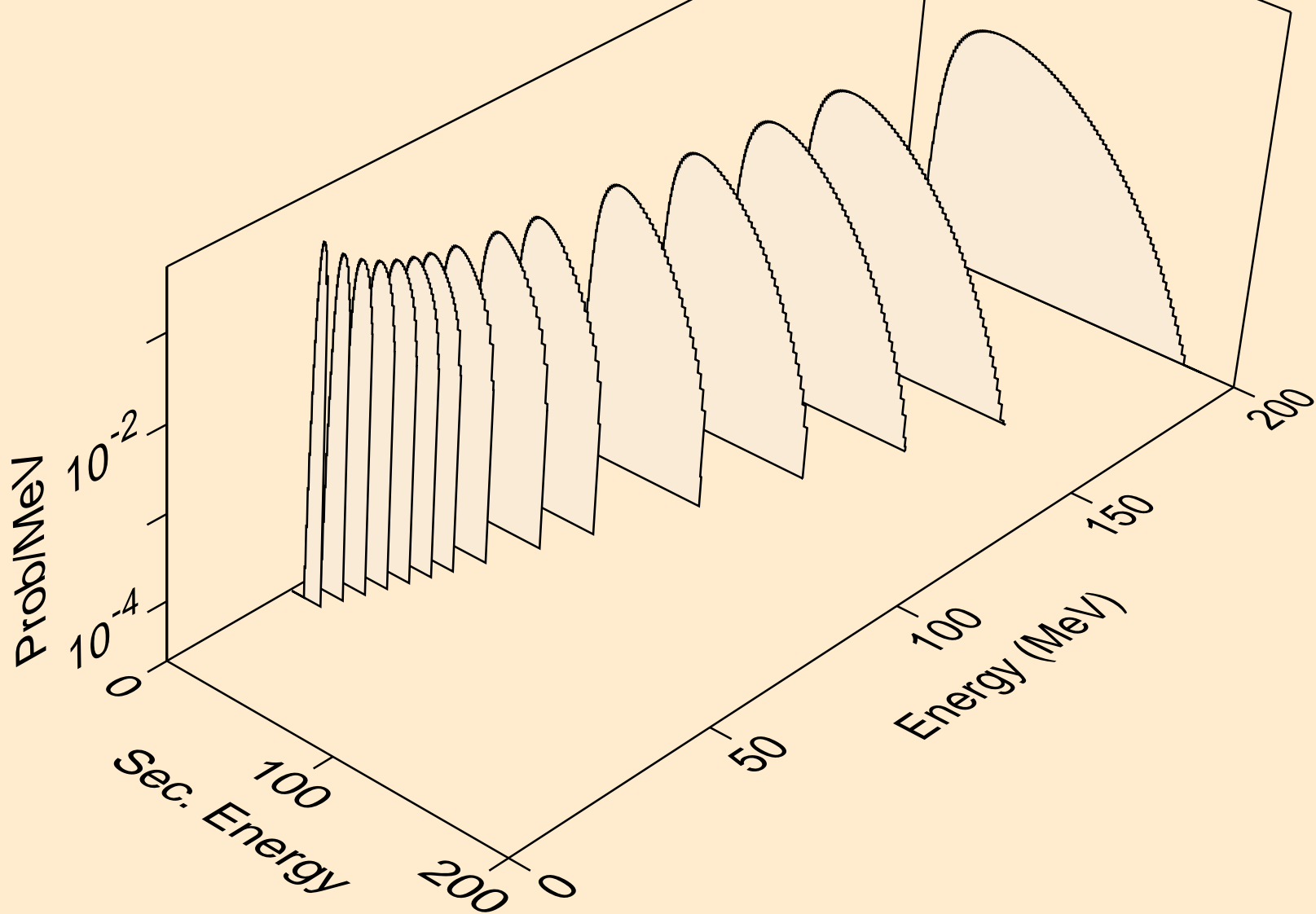
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,t)



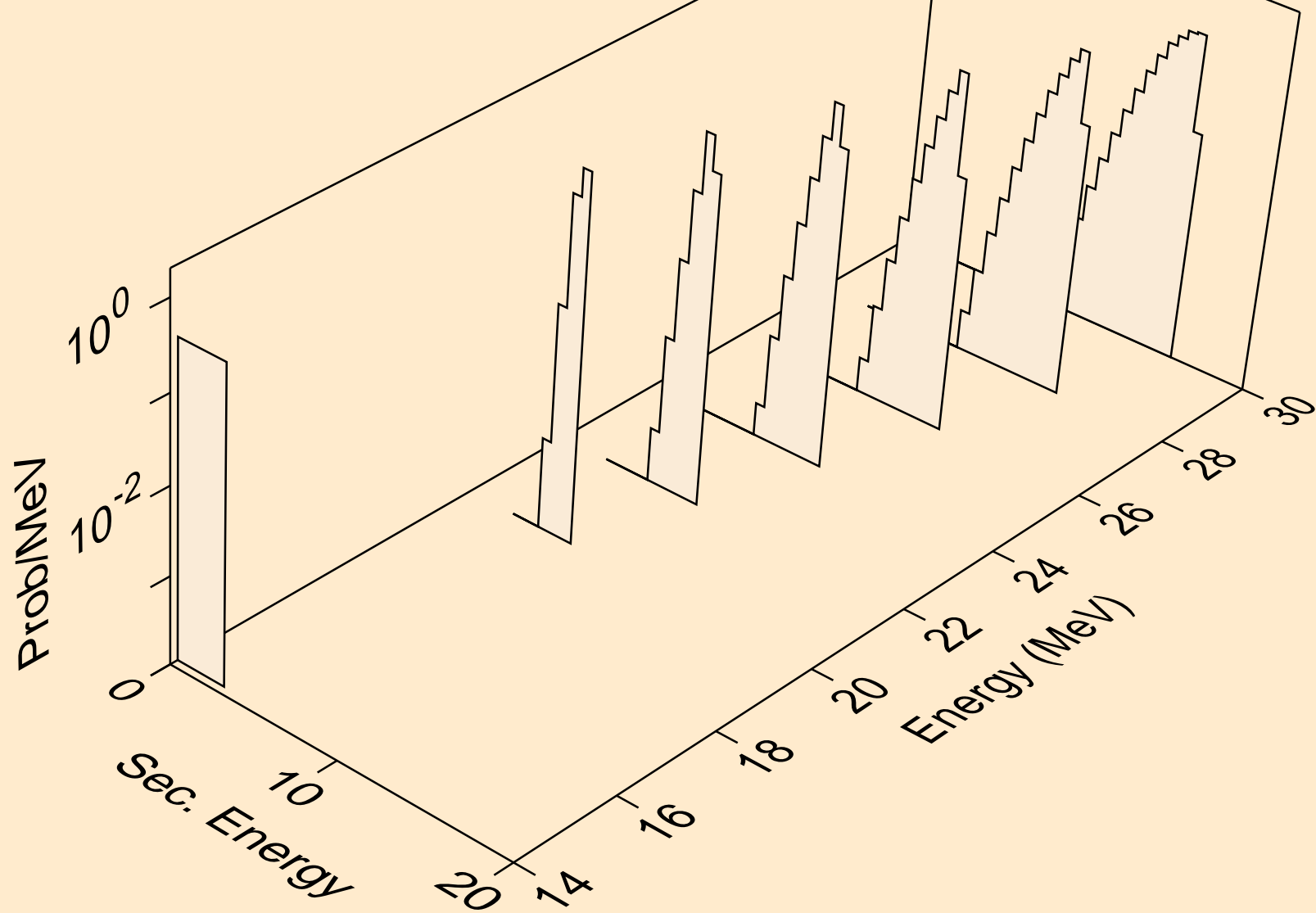
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,pt)



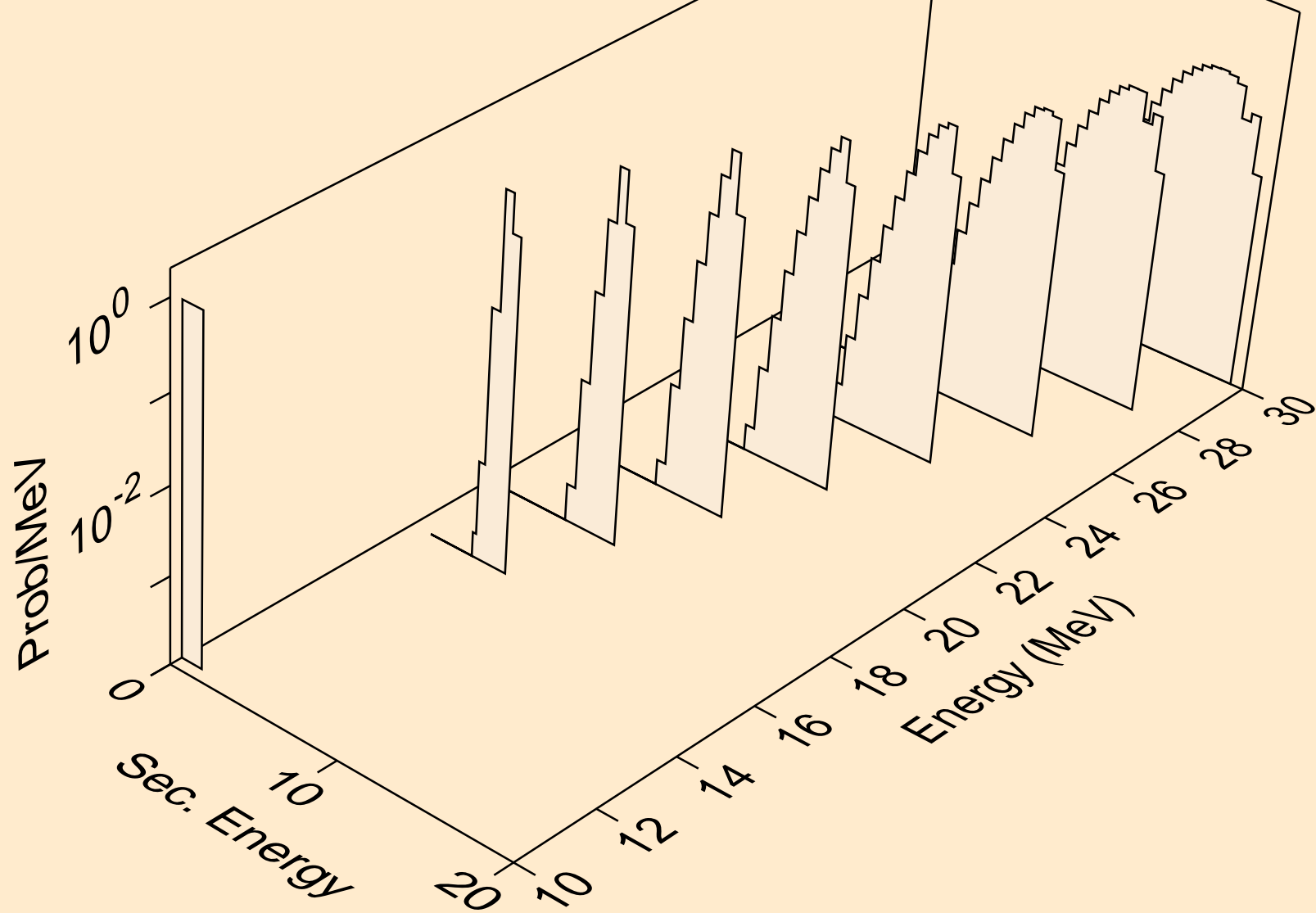
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)



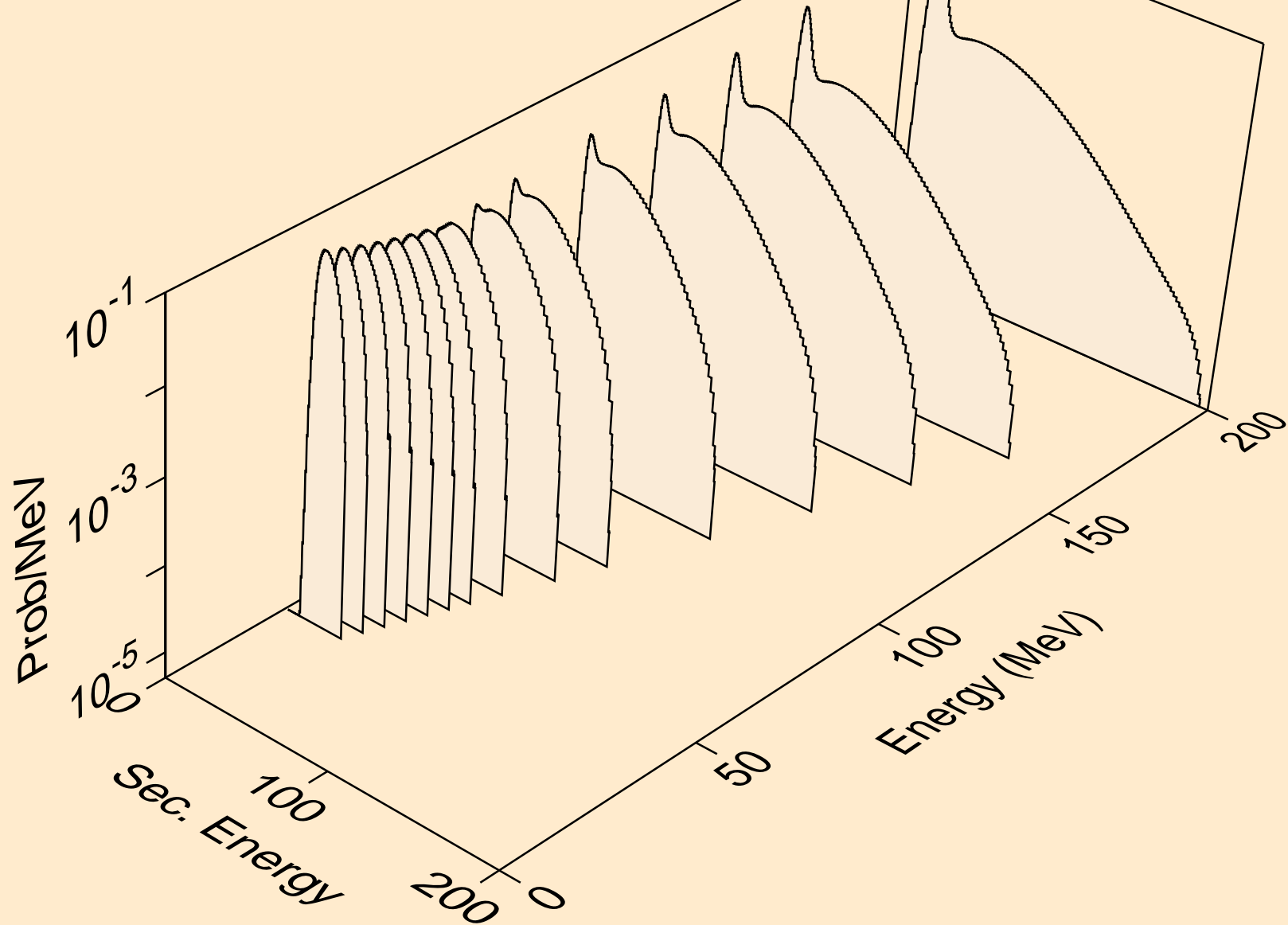
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3



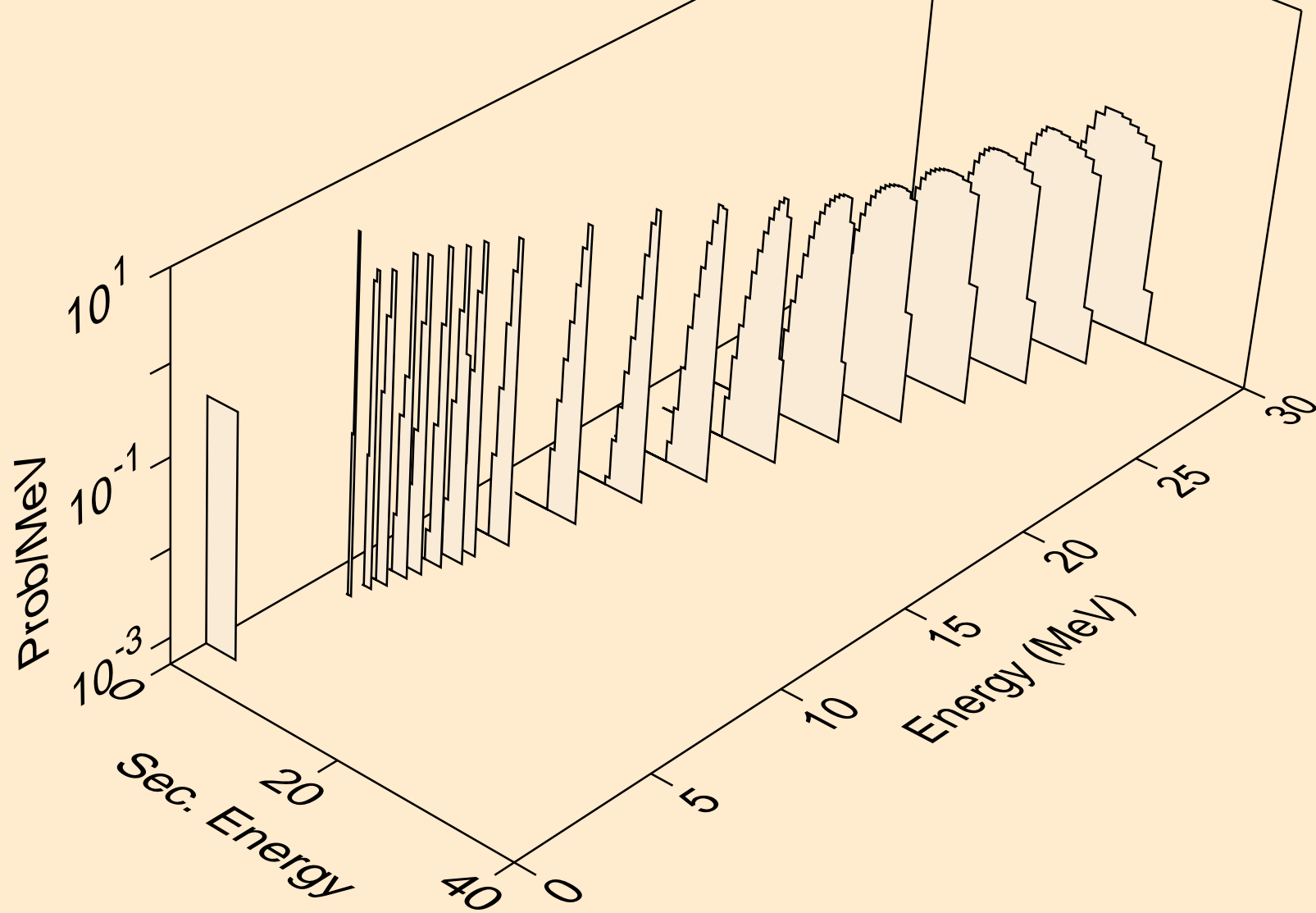
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)



CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)

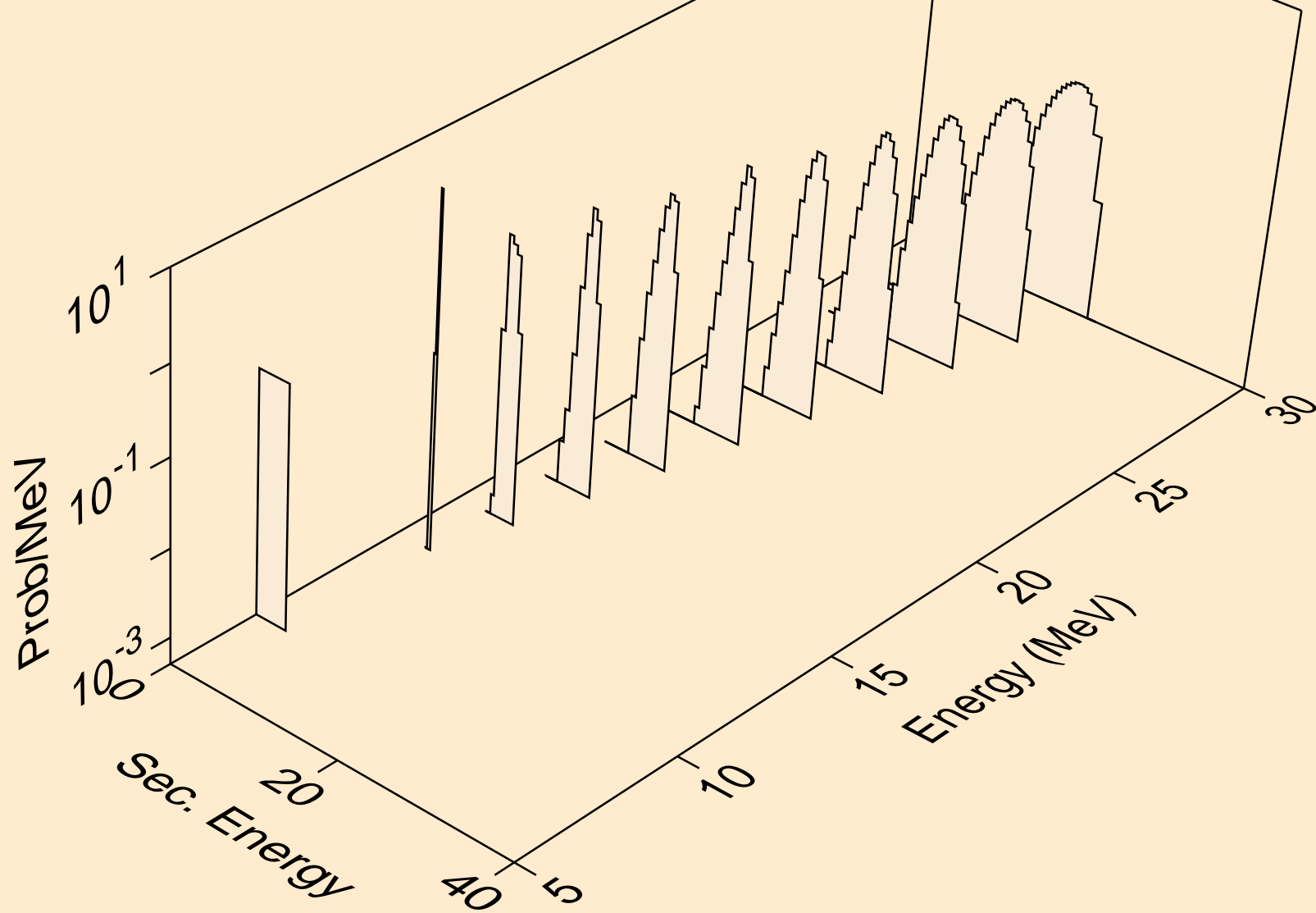


CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a

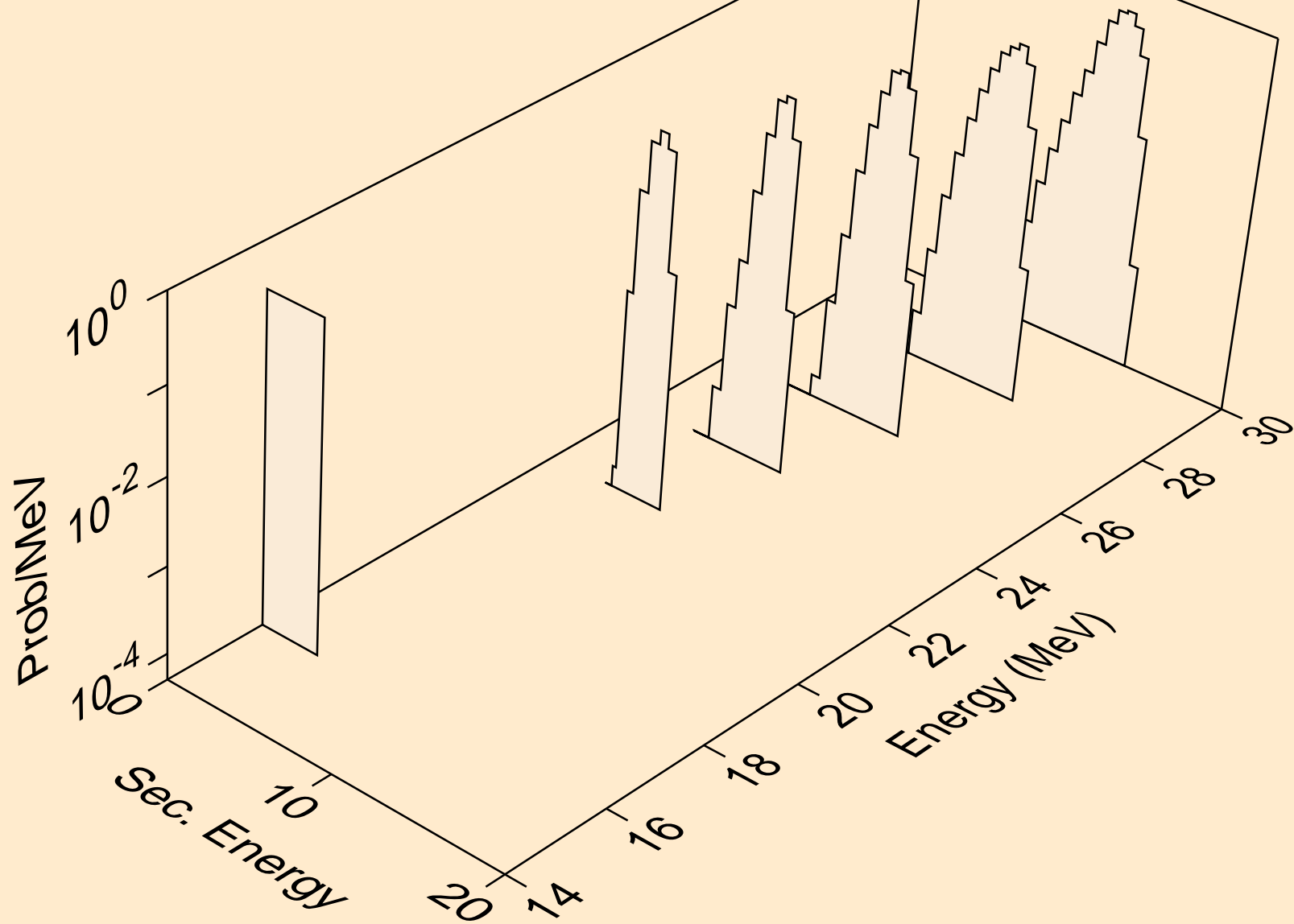




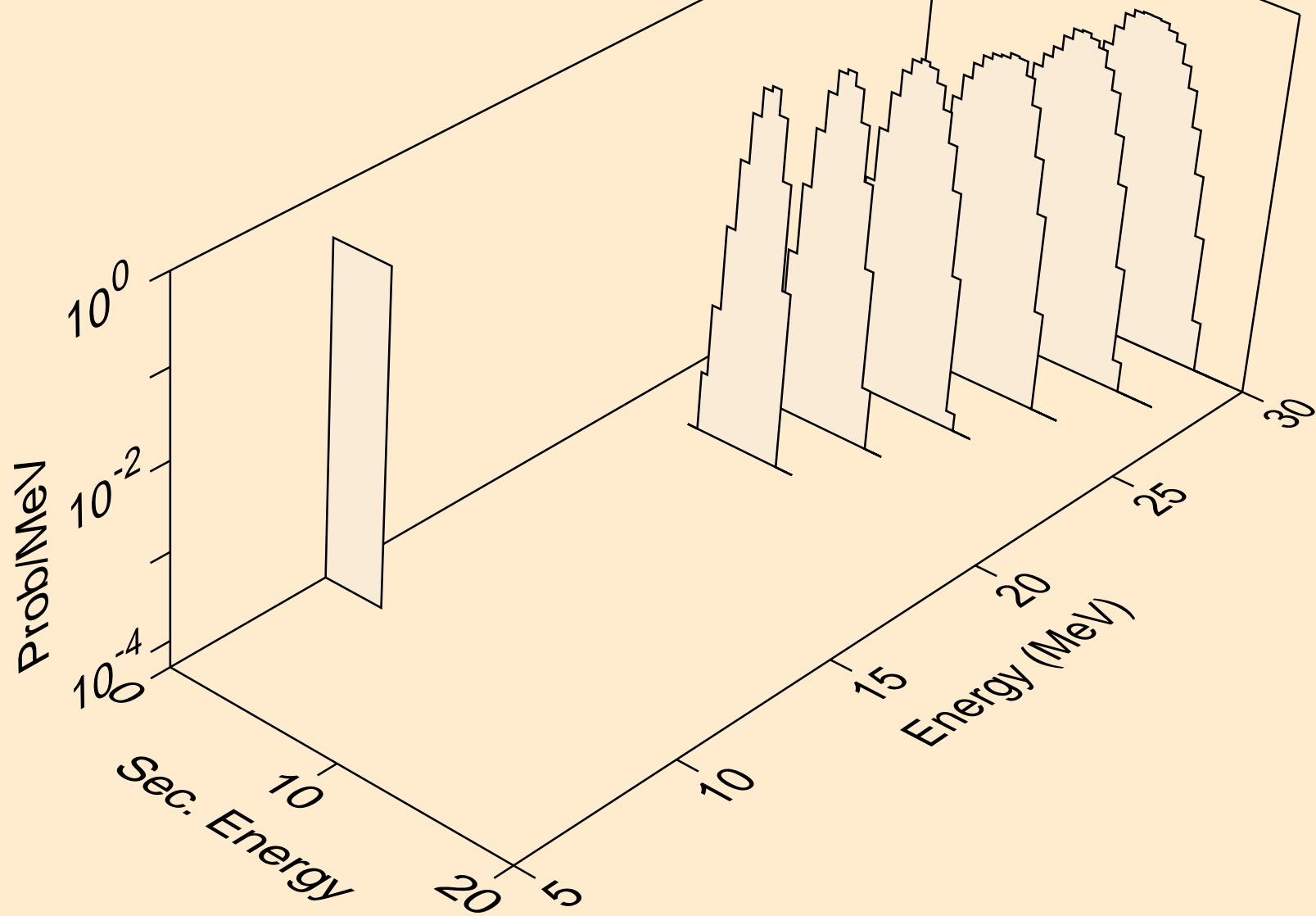
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alphas from (n,2n)a



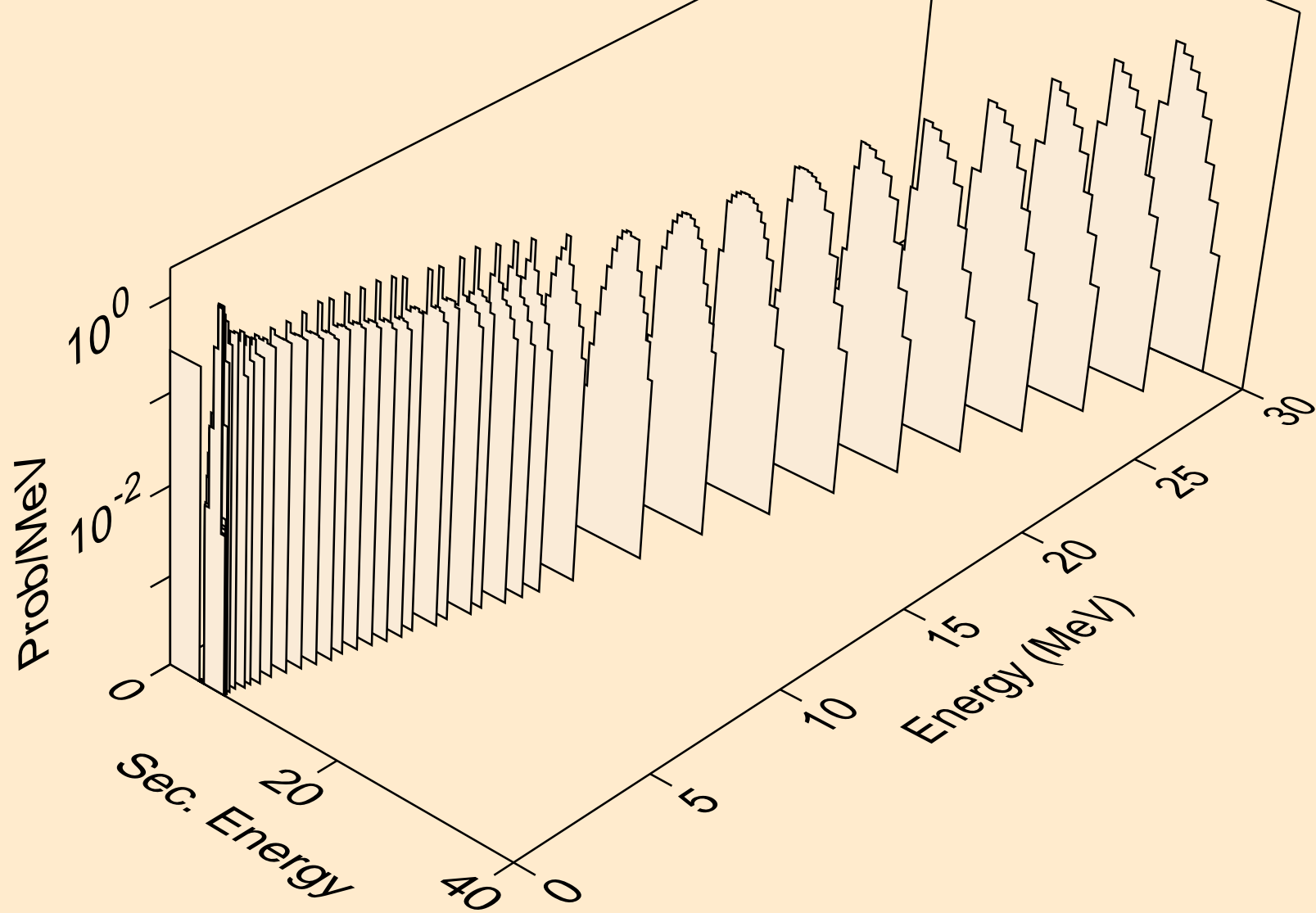
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alphas from (n,3n)a



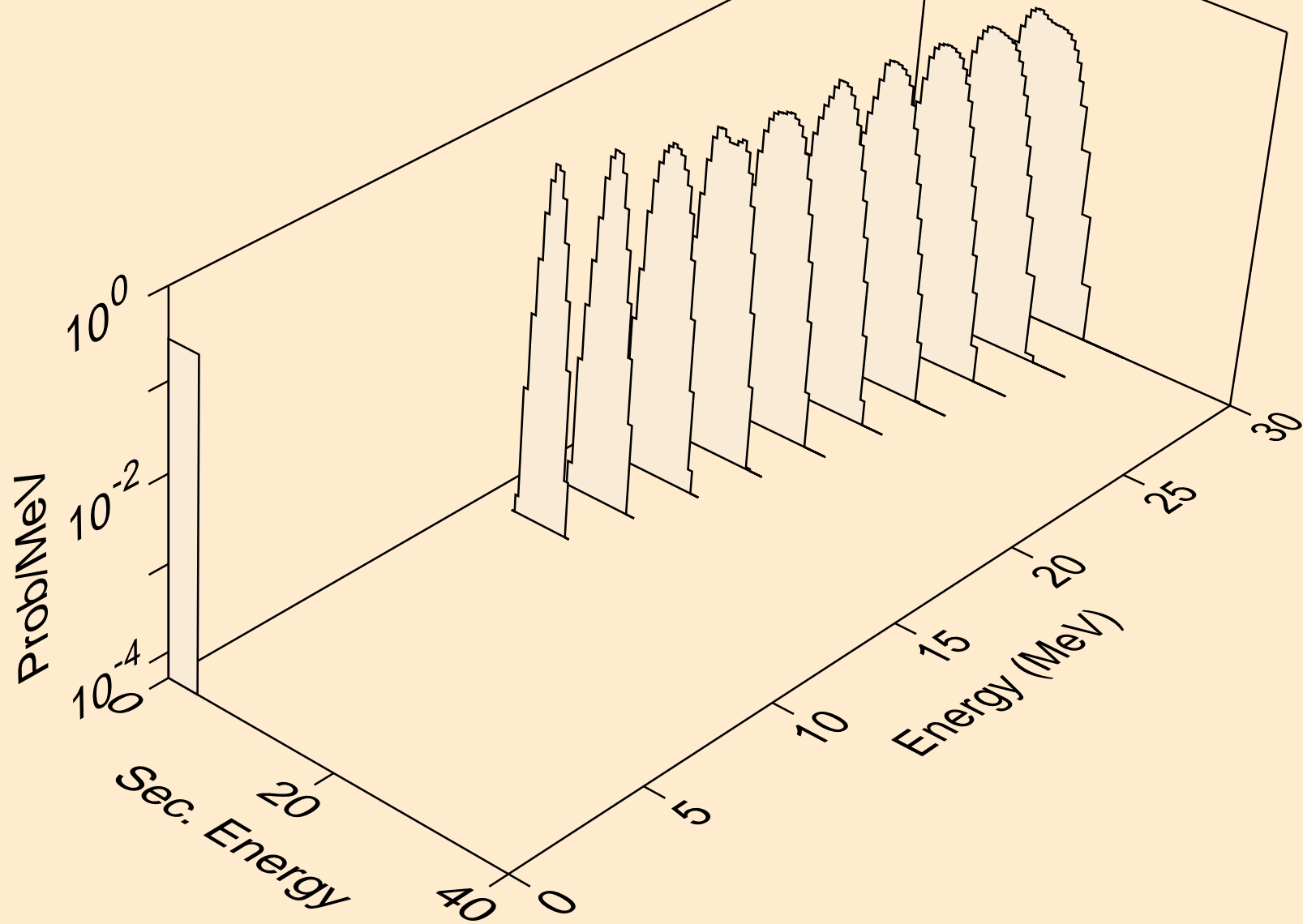
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)



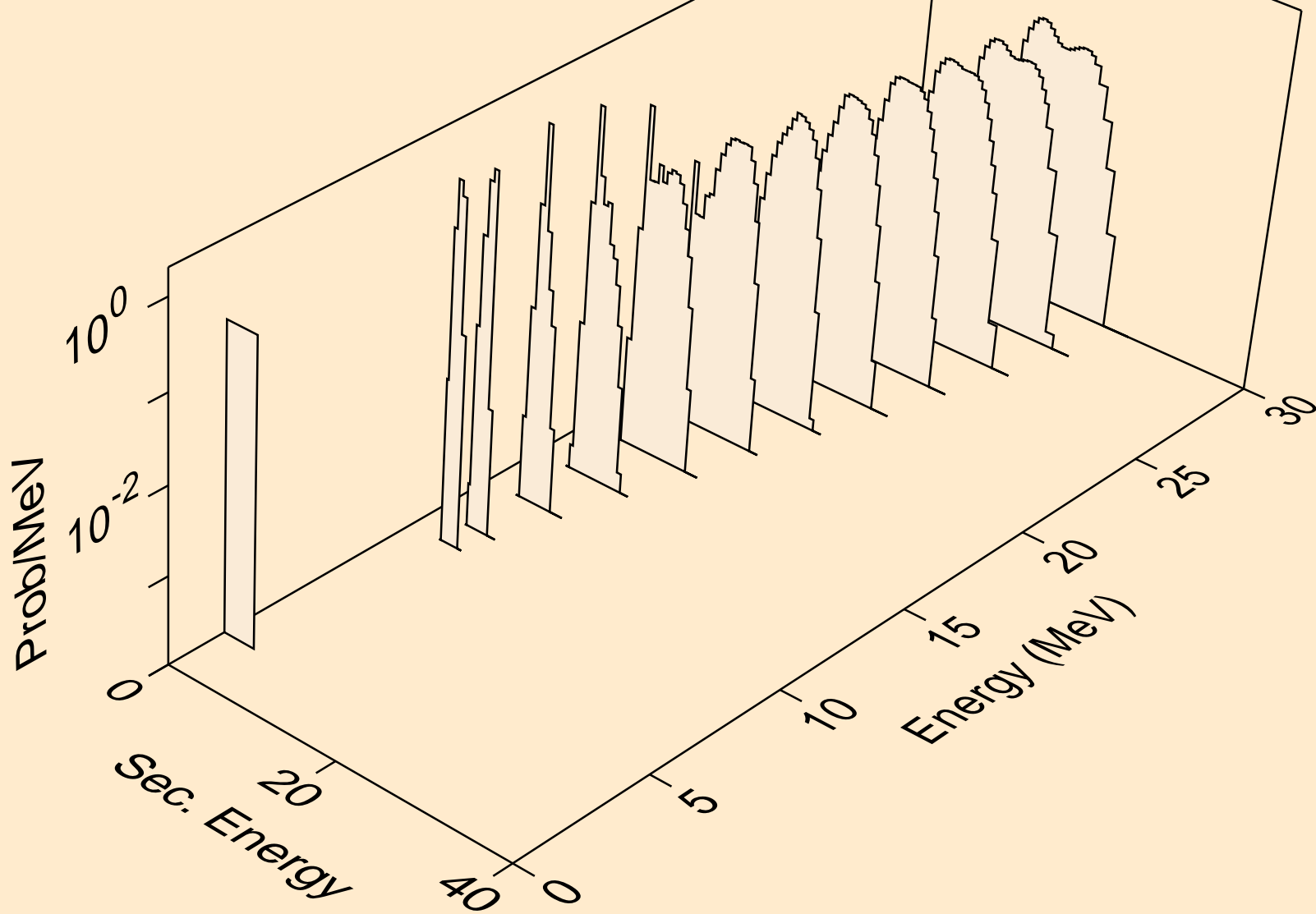
CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



CS138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

