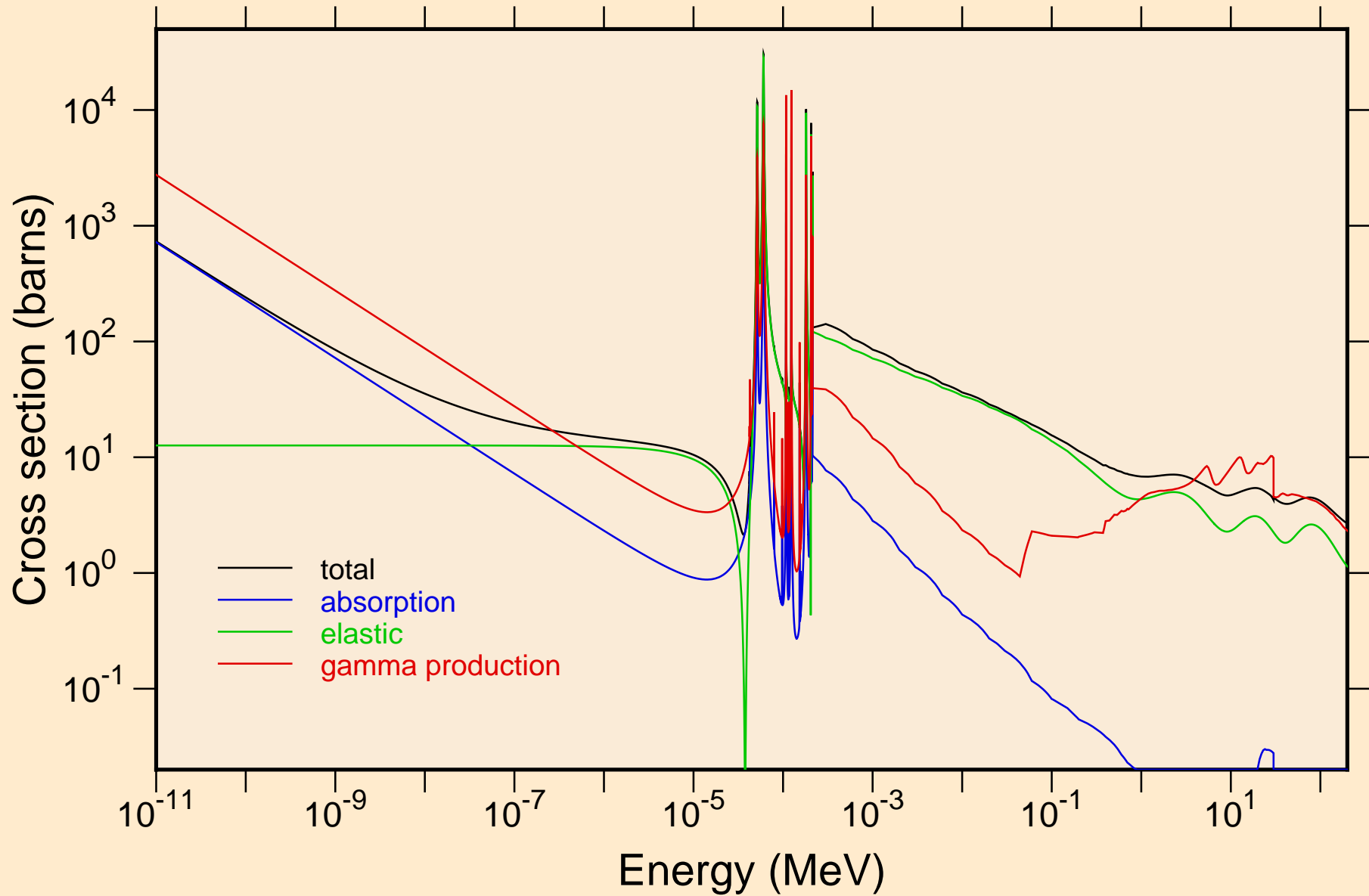
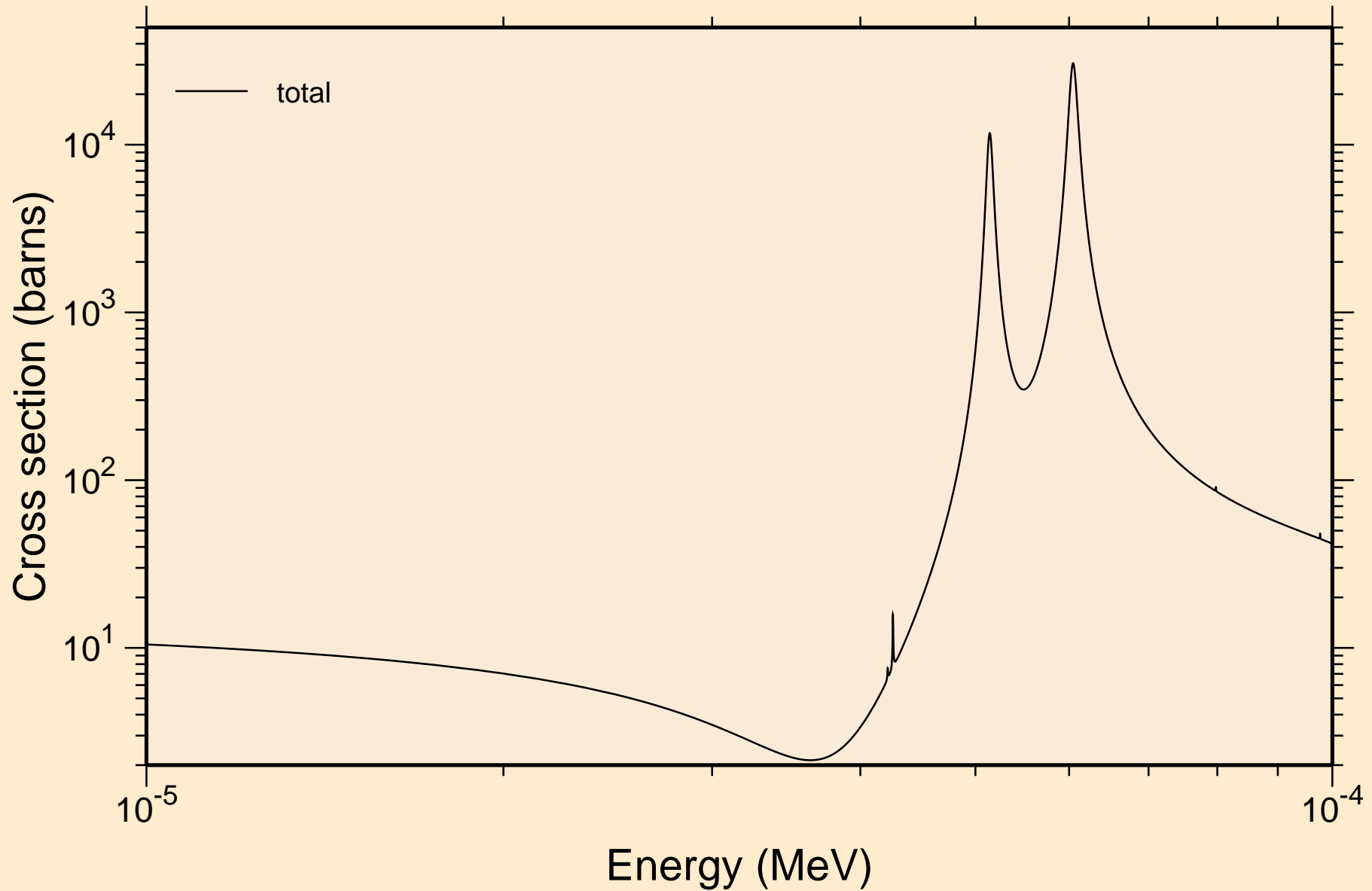


# YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

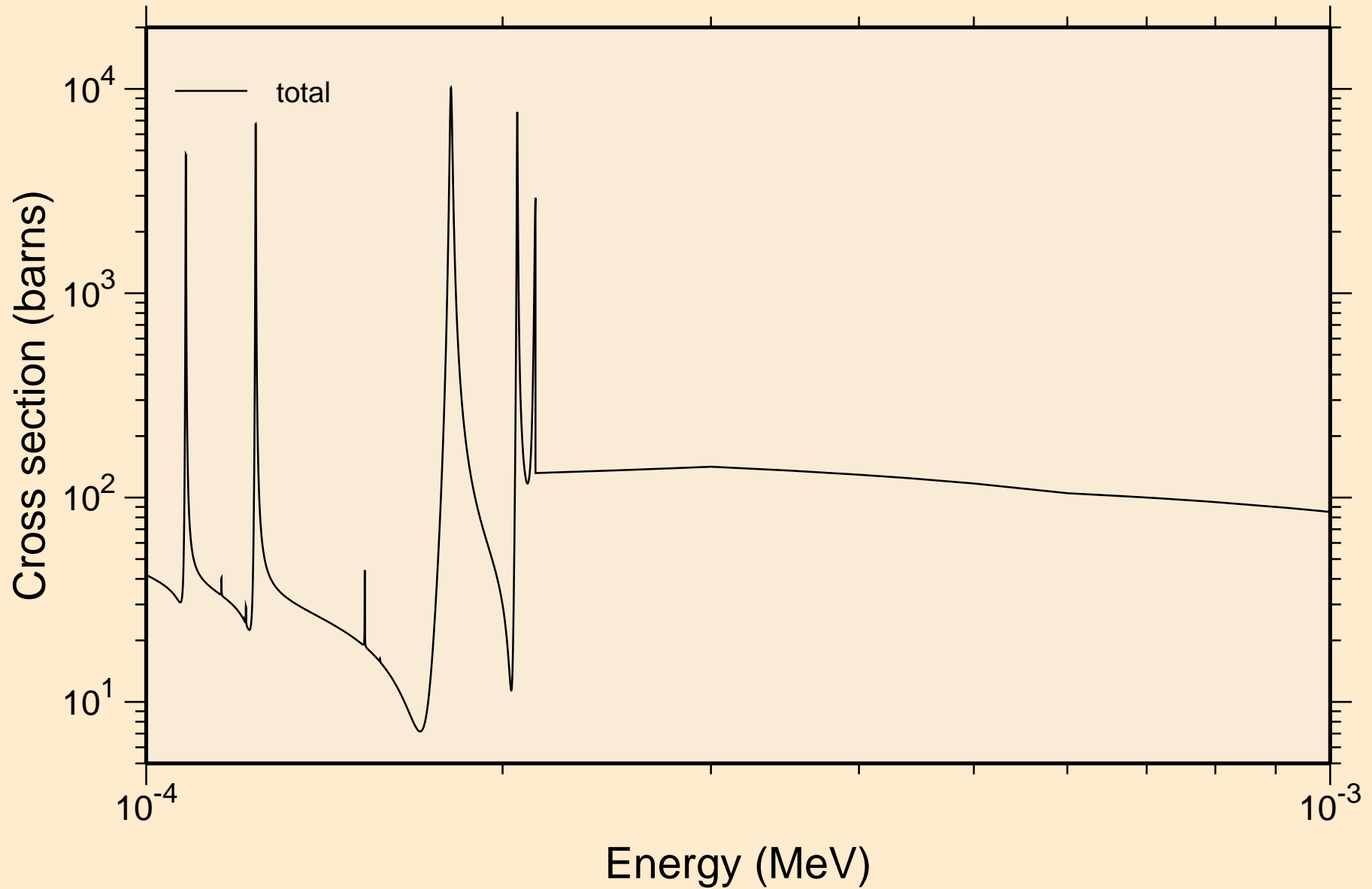
## Principal cross sections



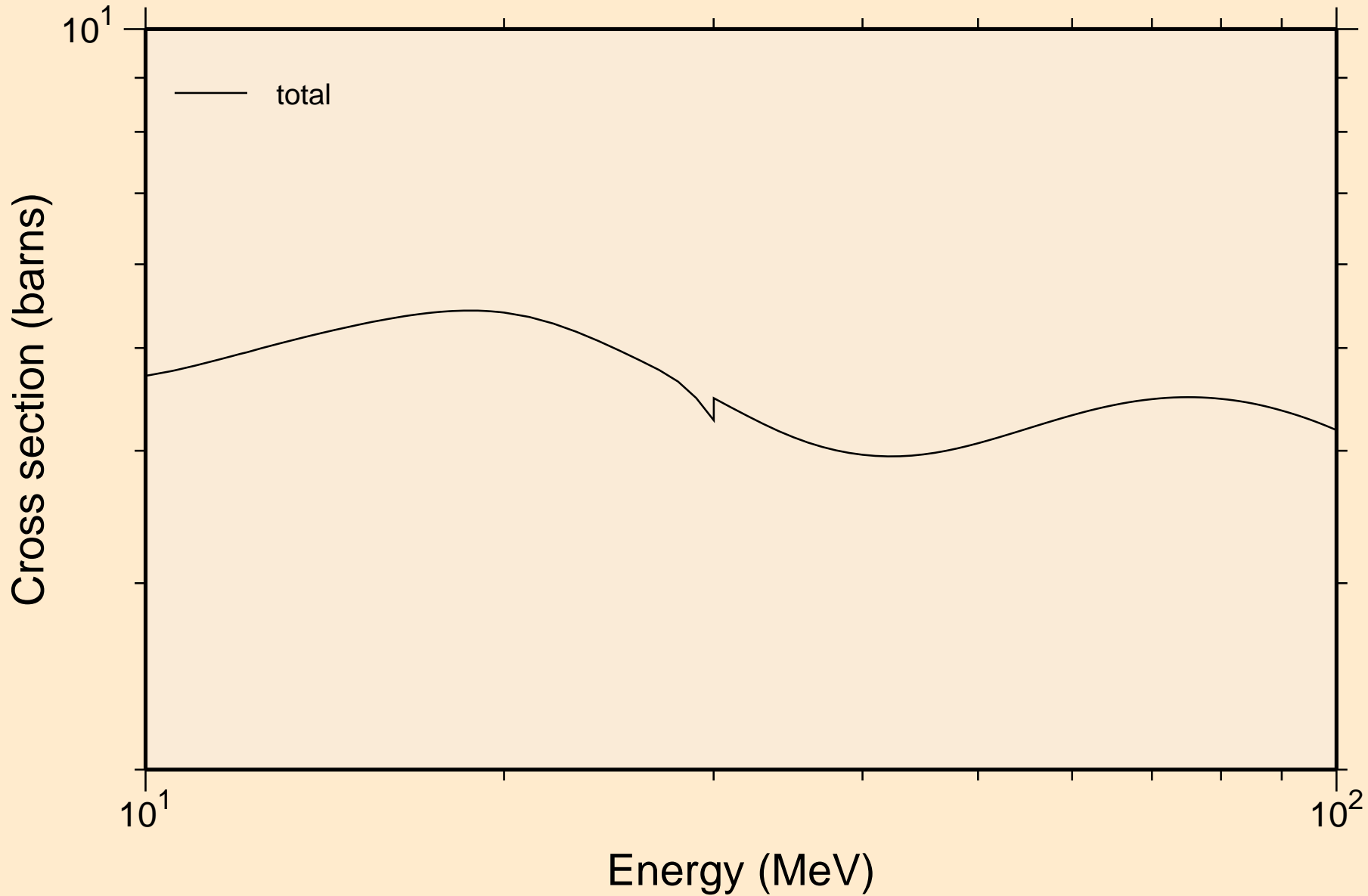
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



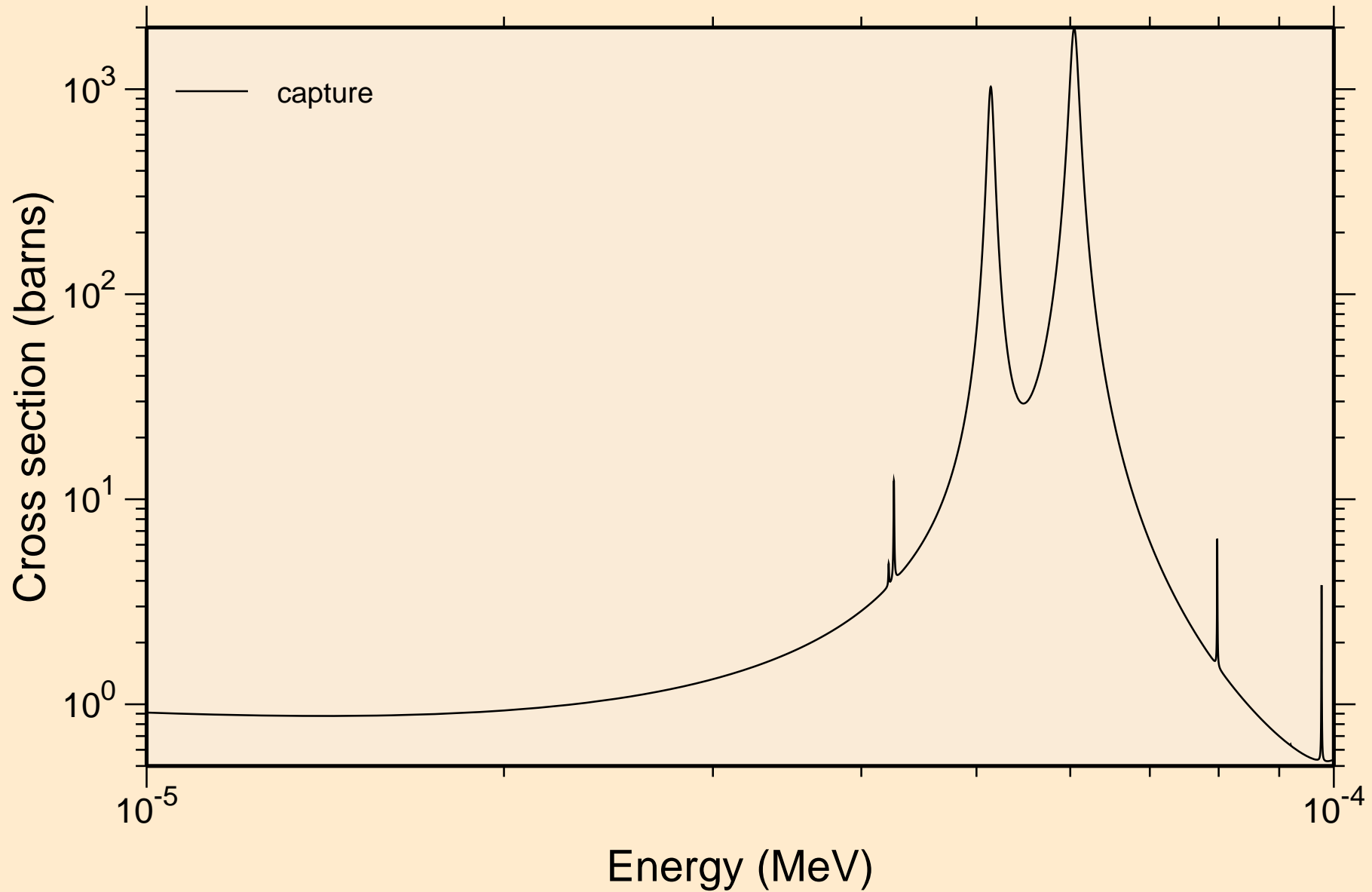
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



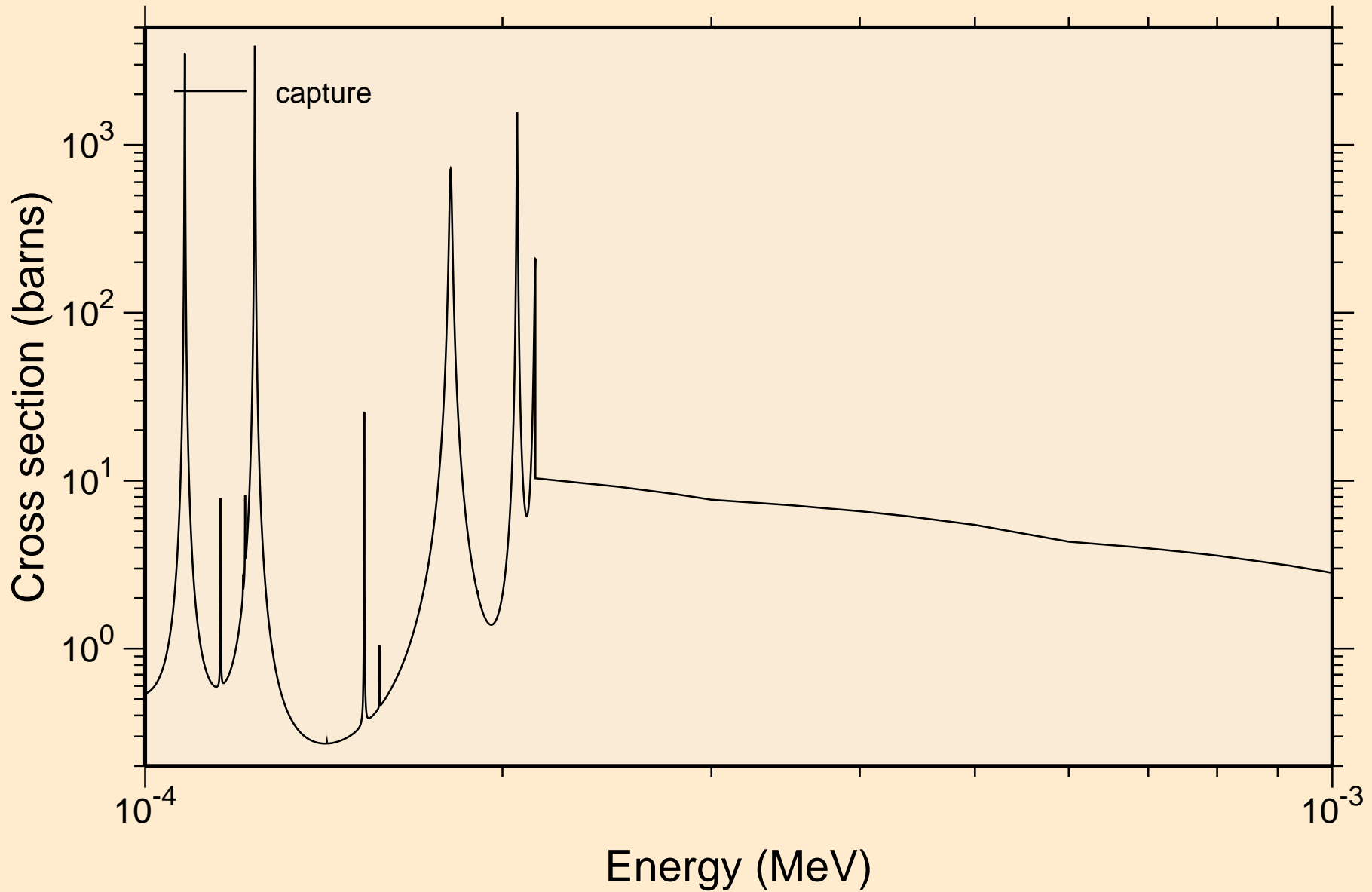
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



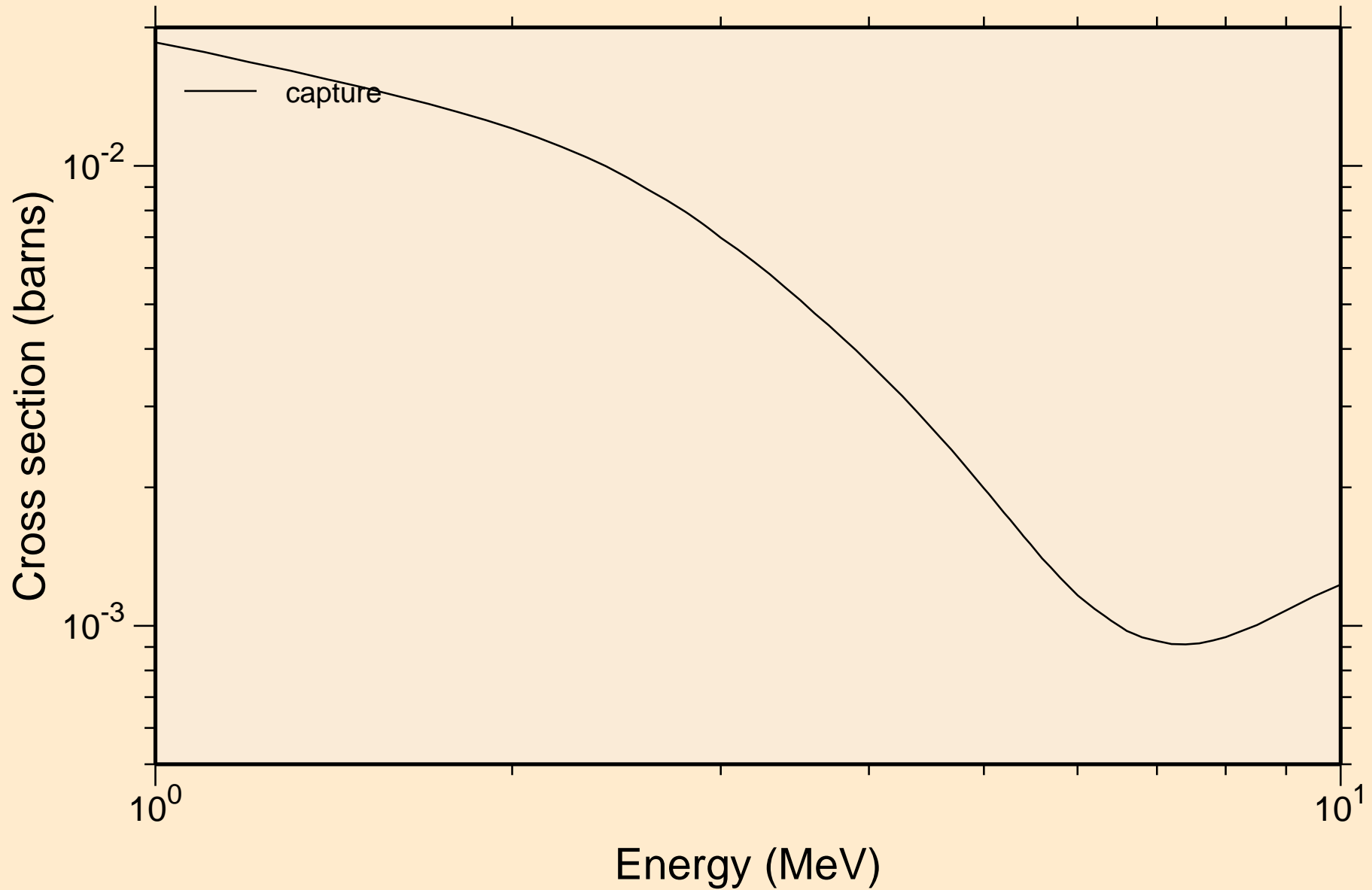
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

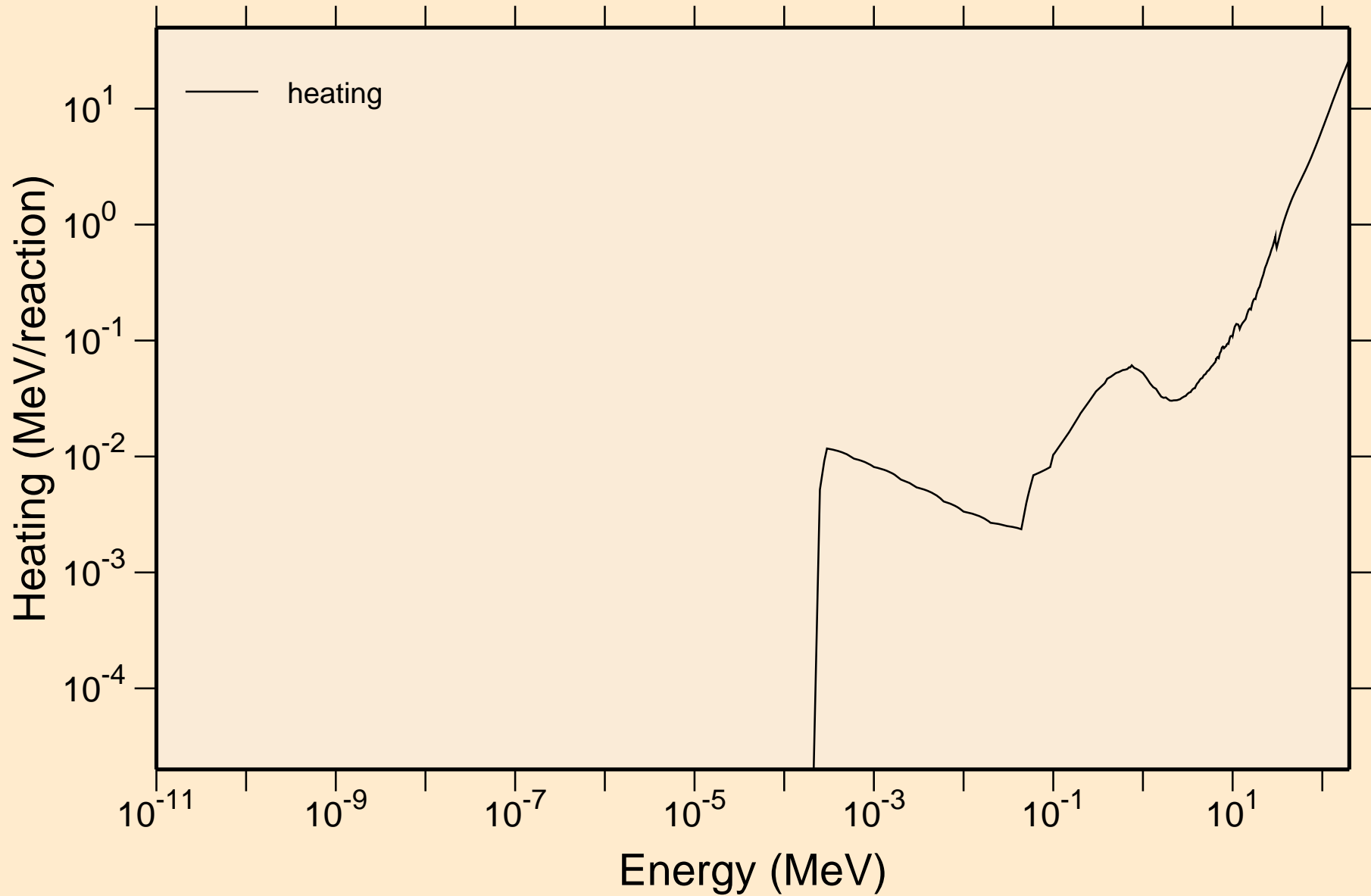


YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



# YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

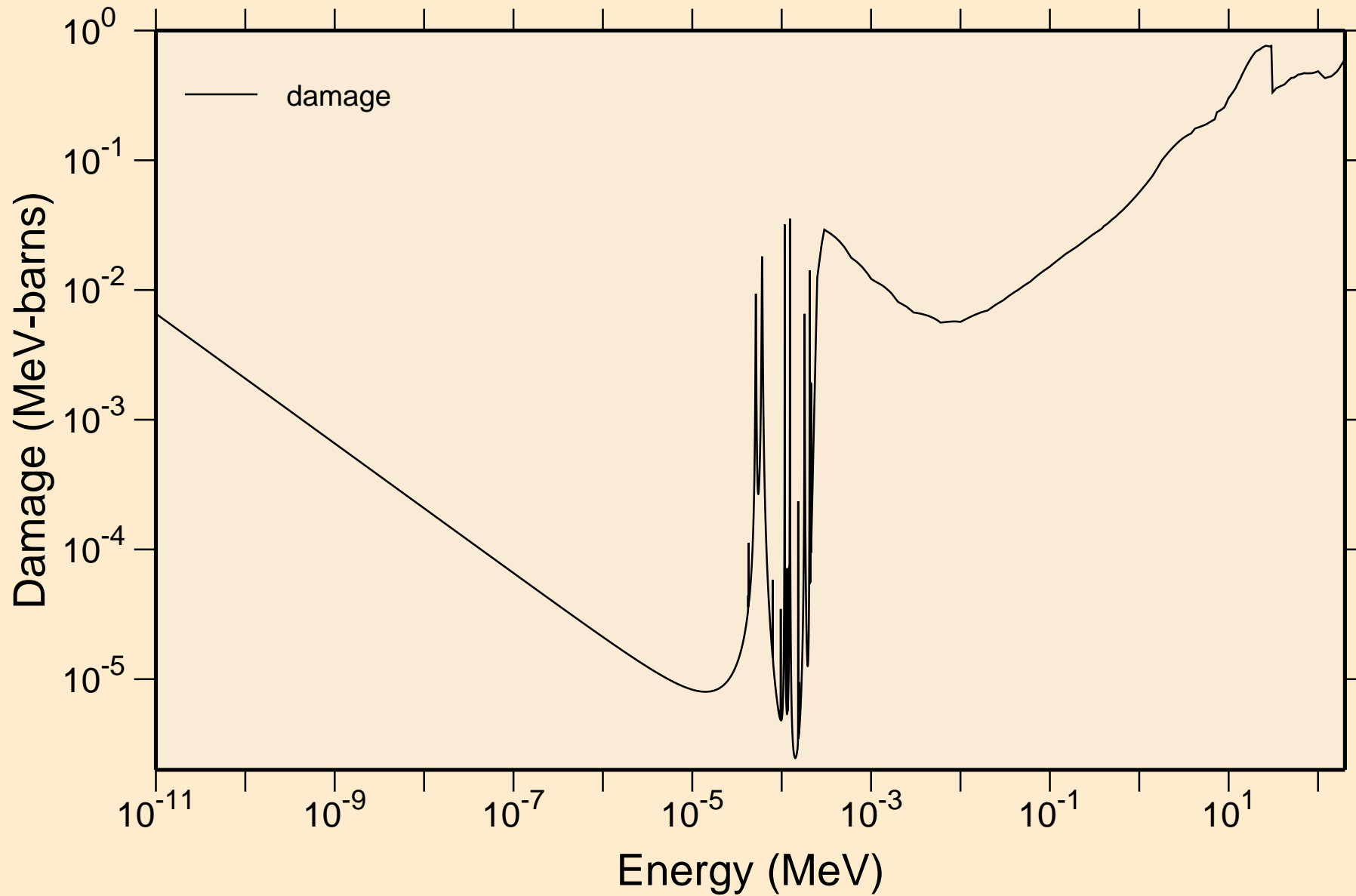
## Heating



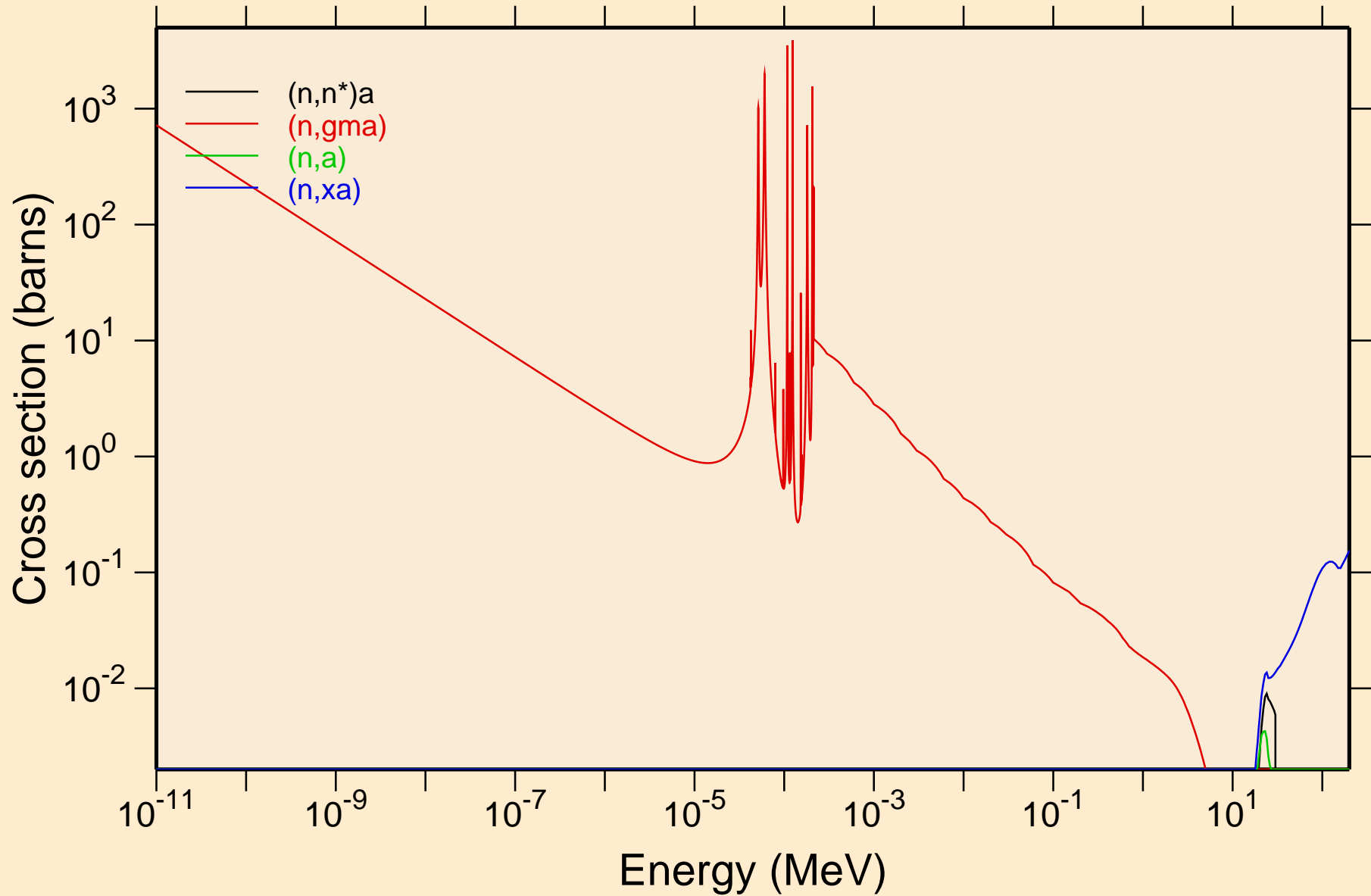


# YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage

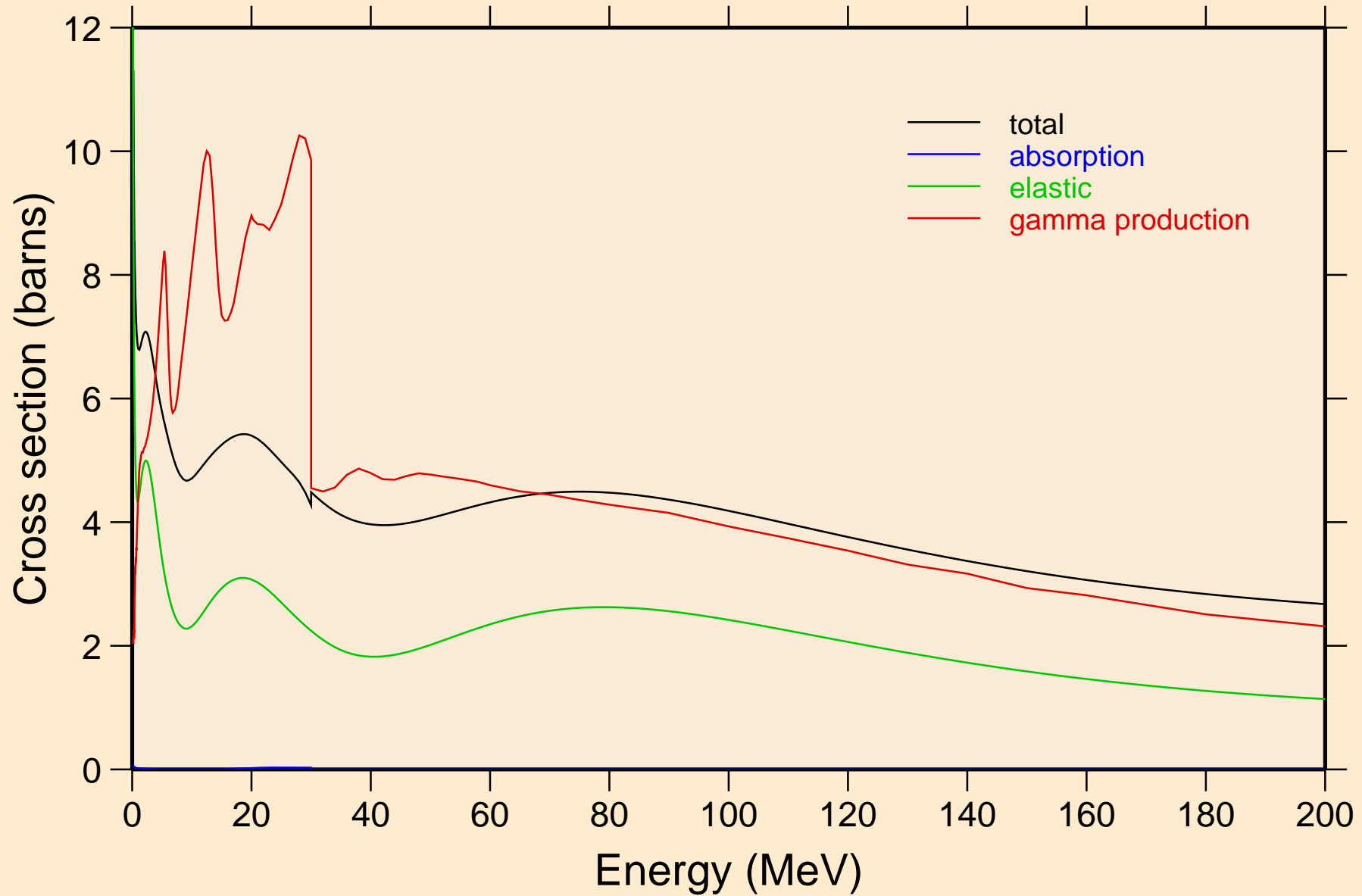


YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



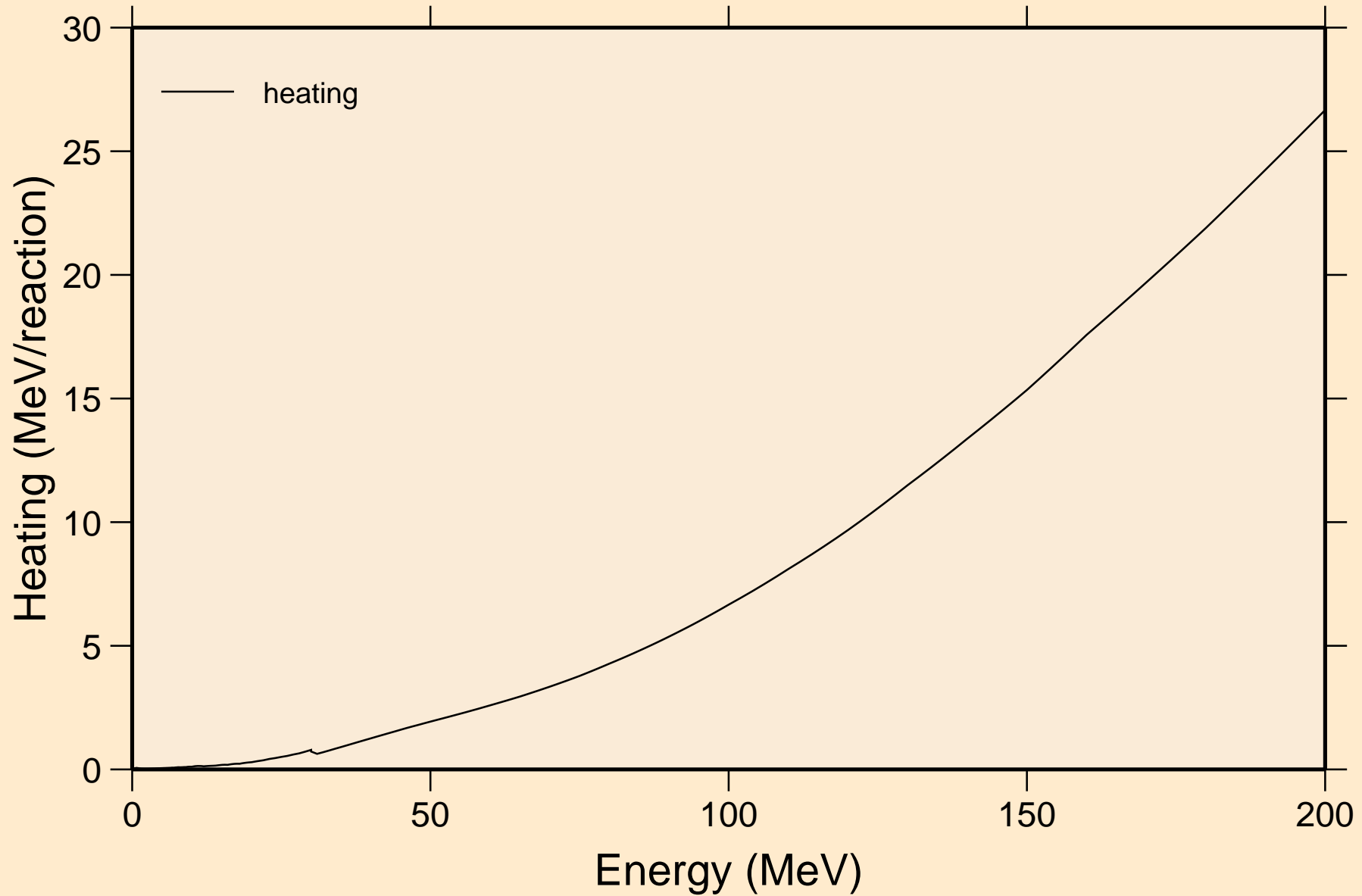
# YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



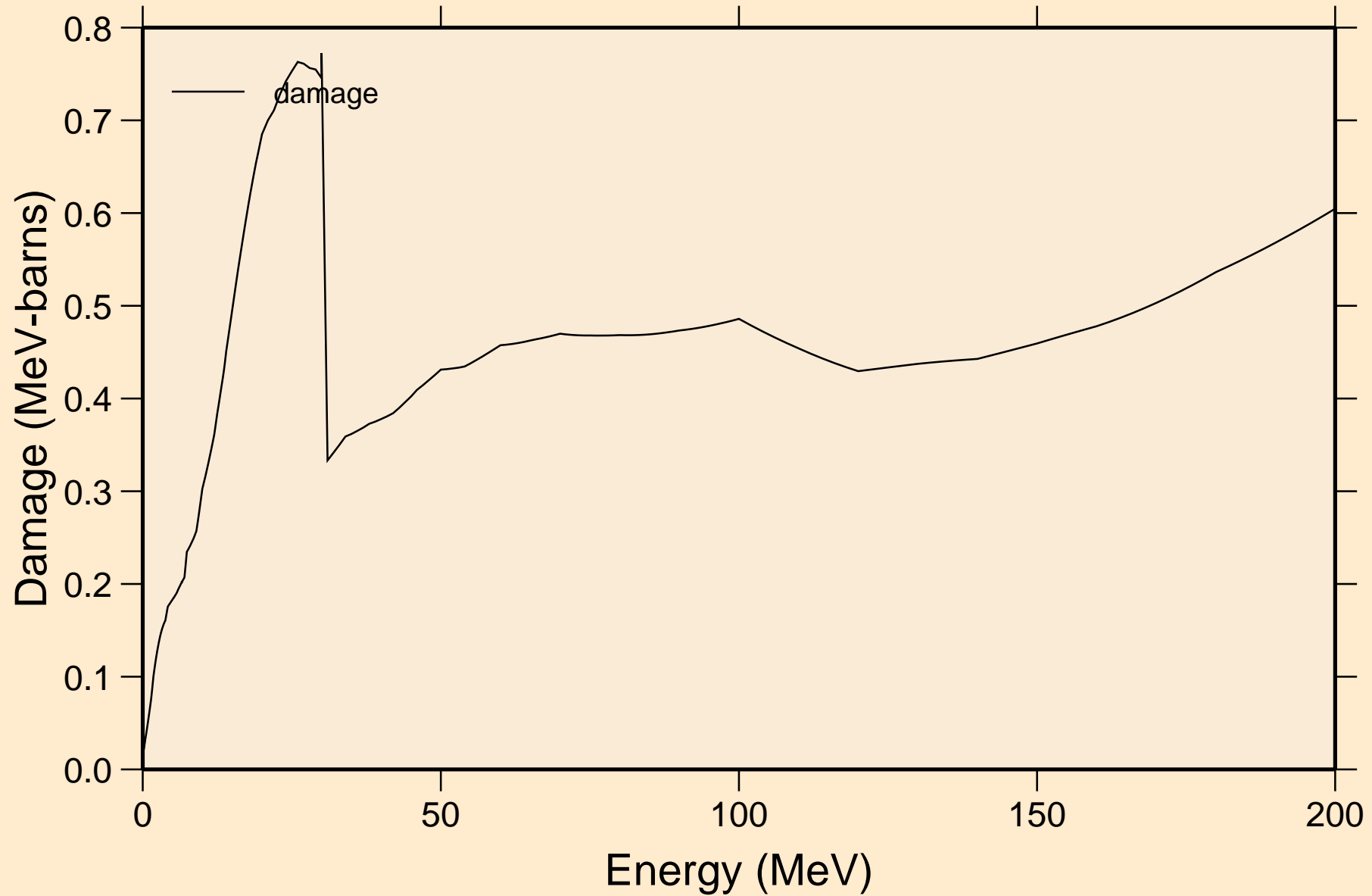
# YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

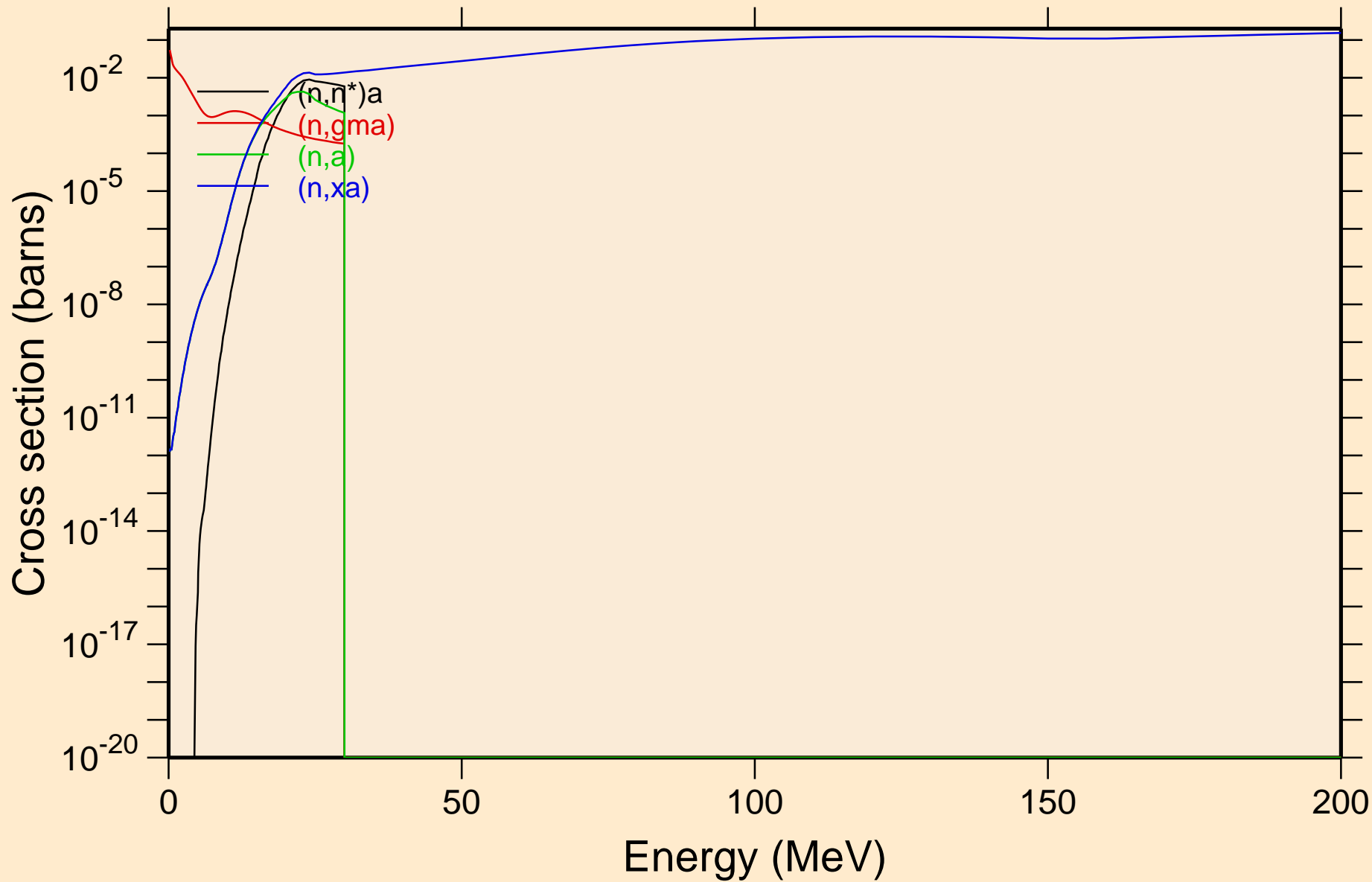


# YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage

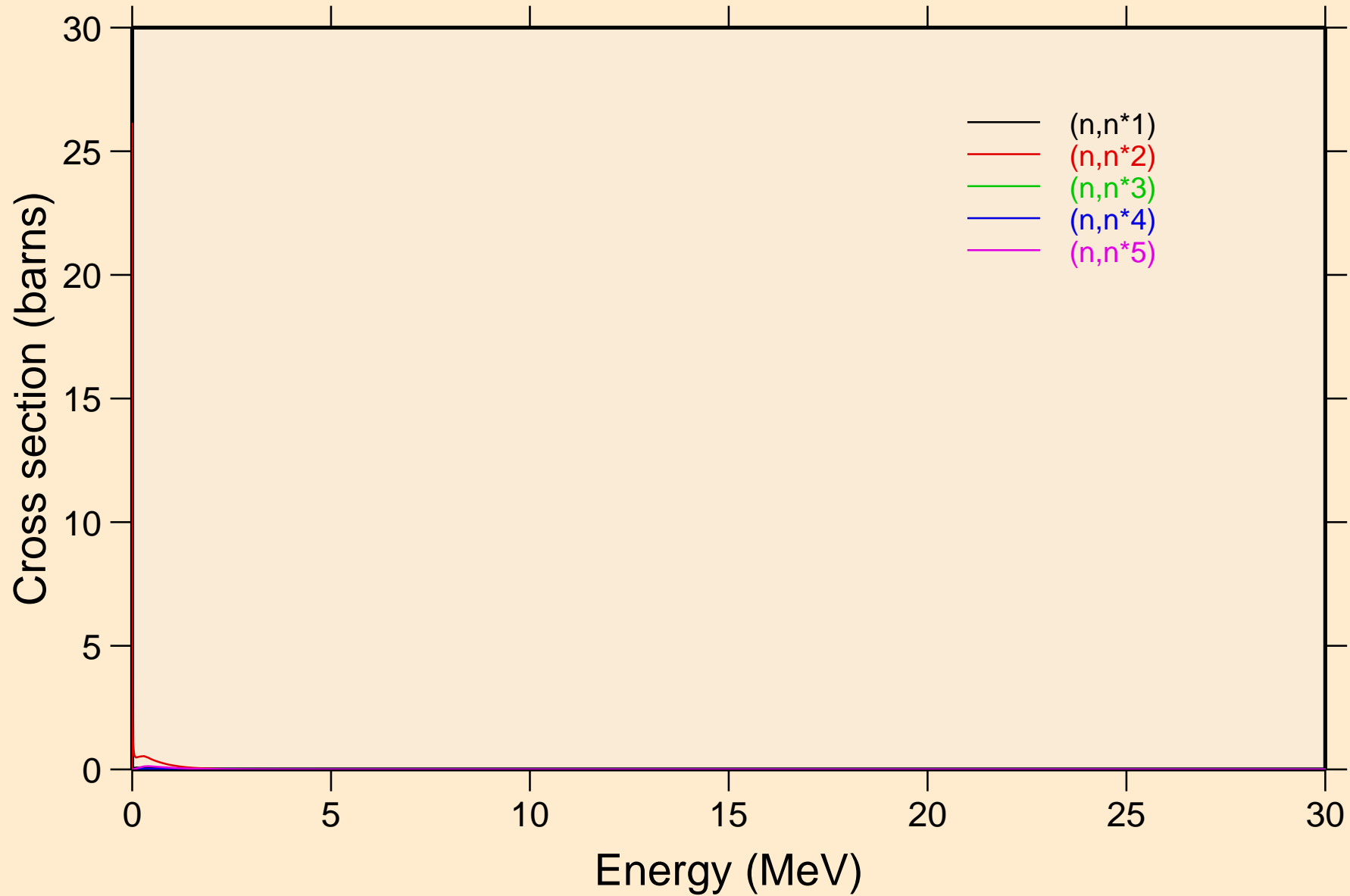


YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

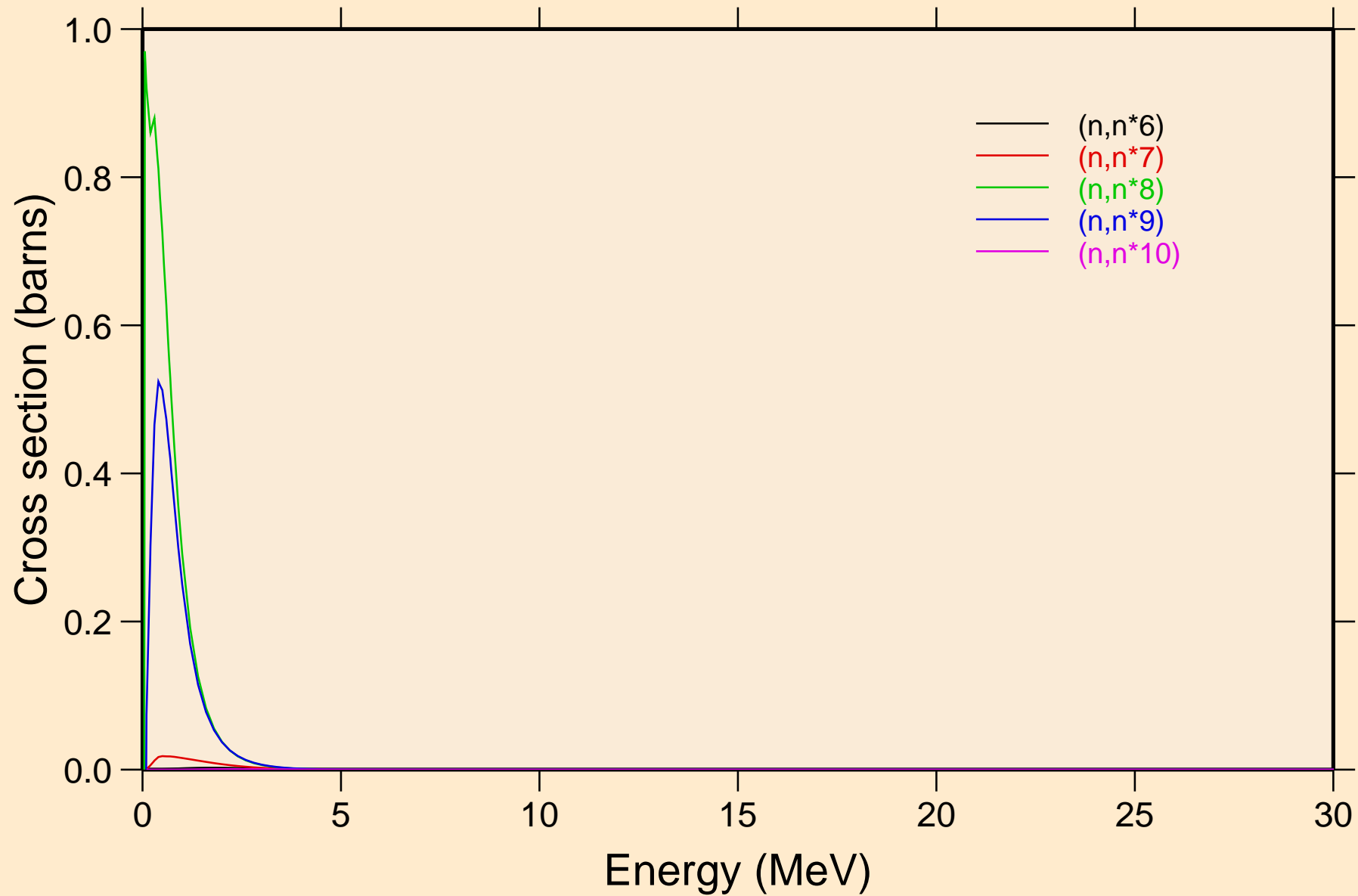


# YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels

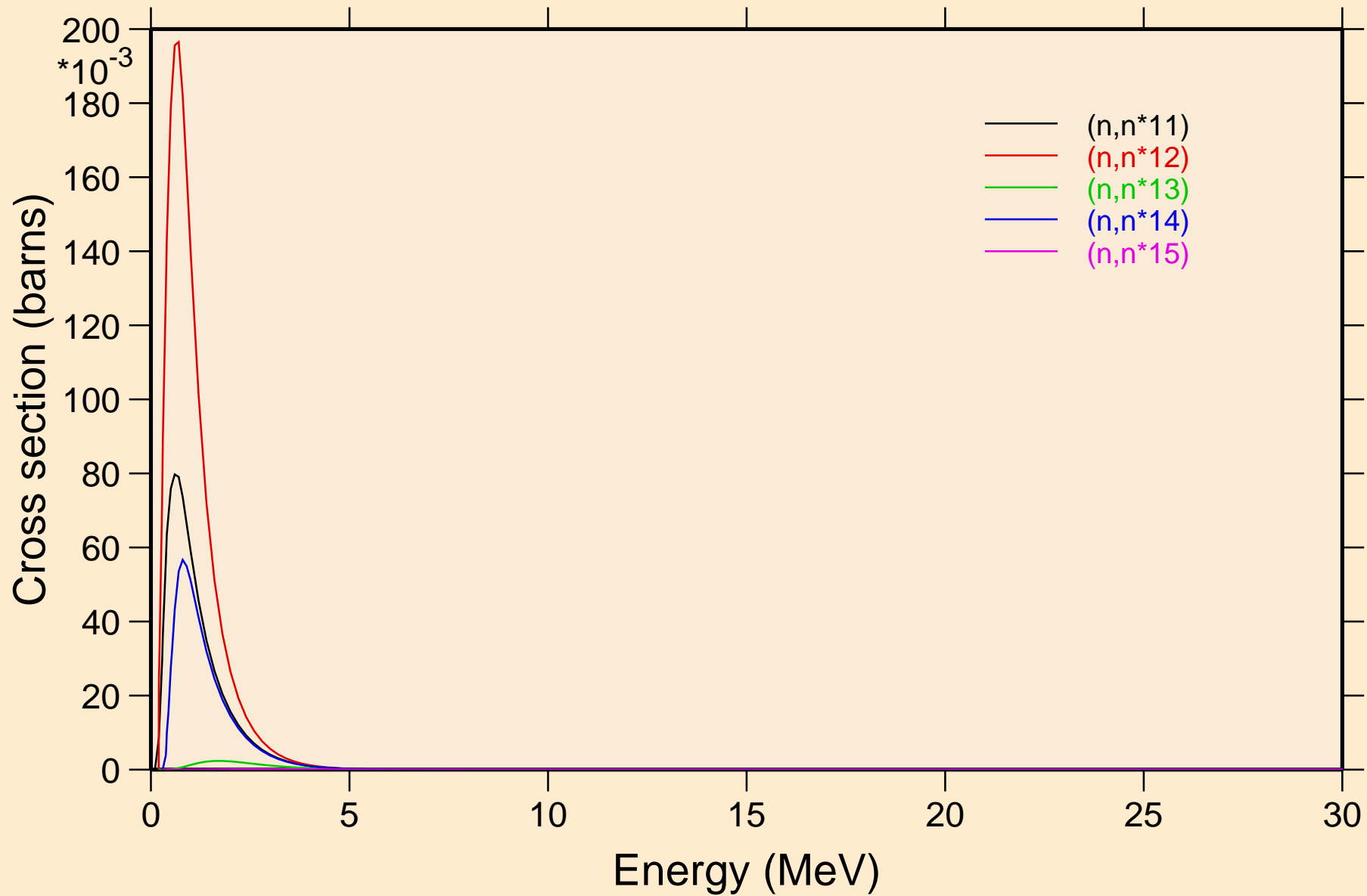


YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



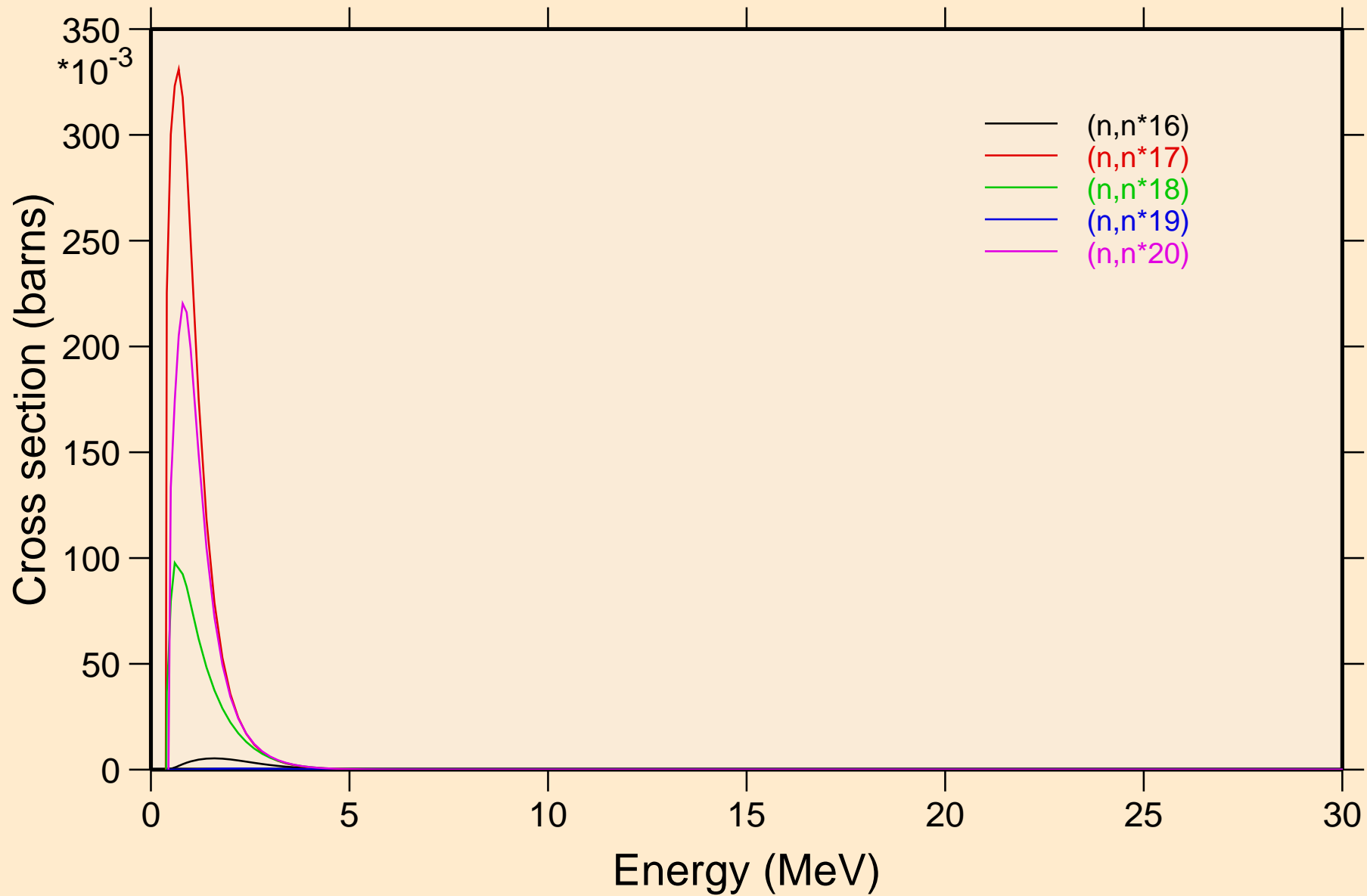


YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

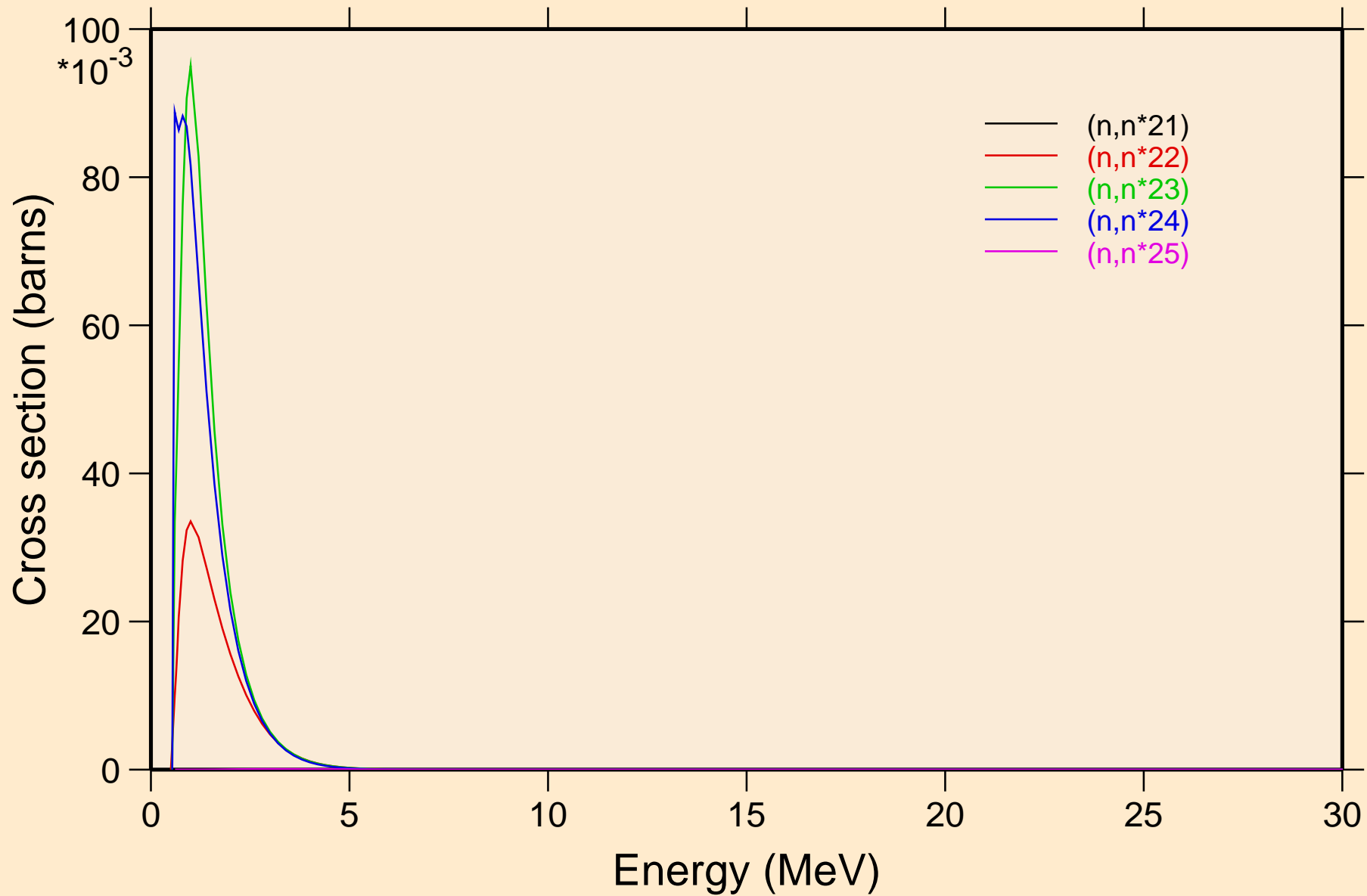


# YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

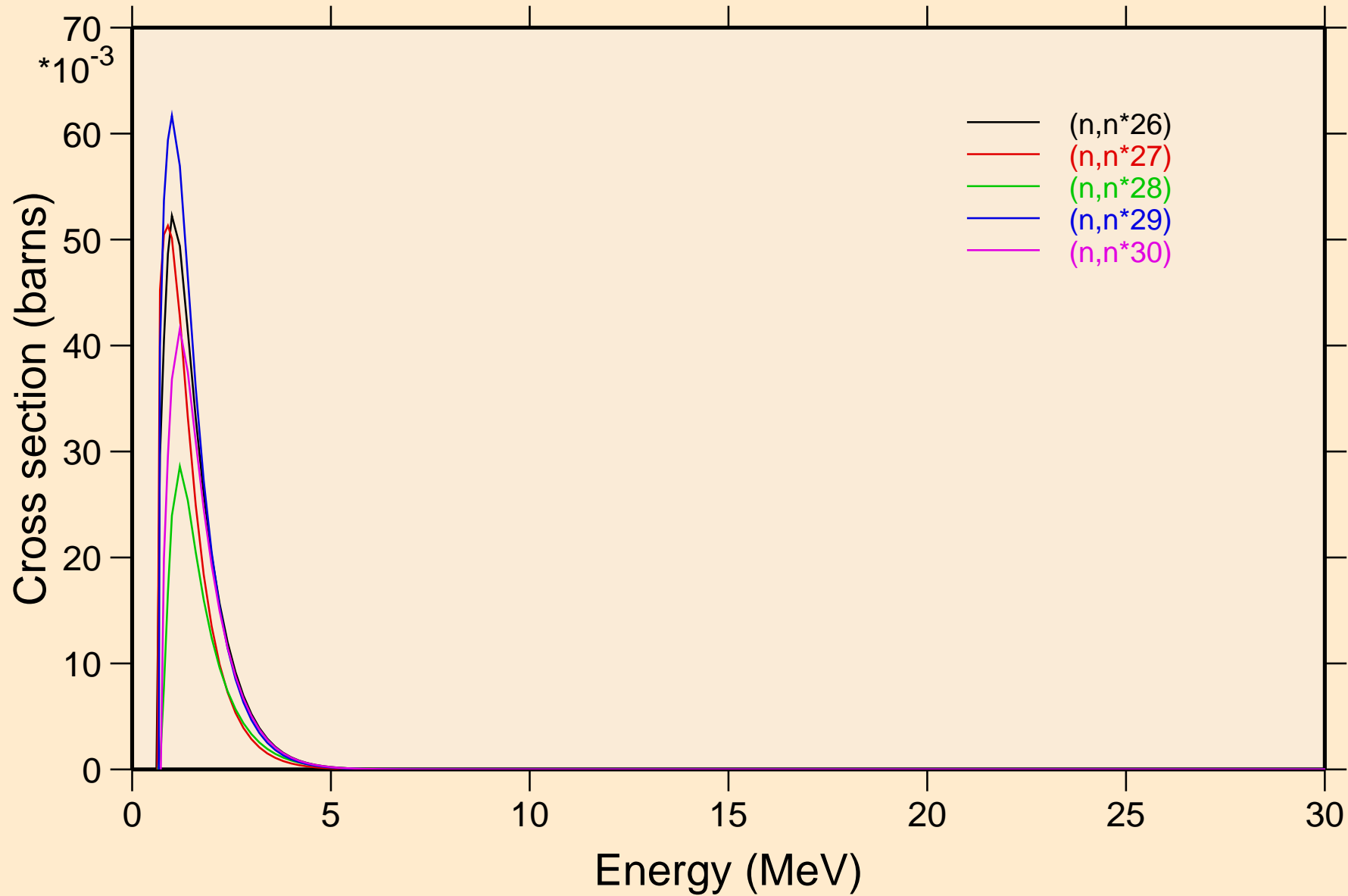
## Inelastic levels



YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

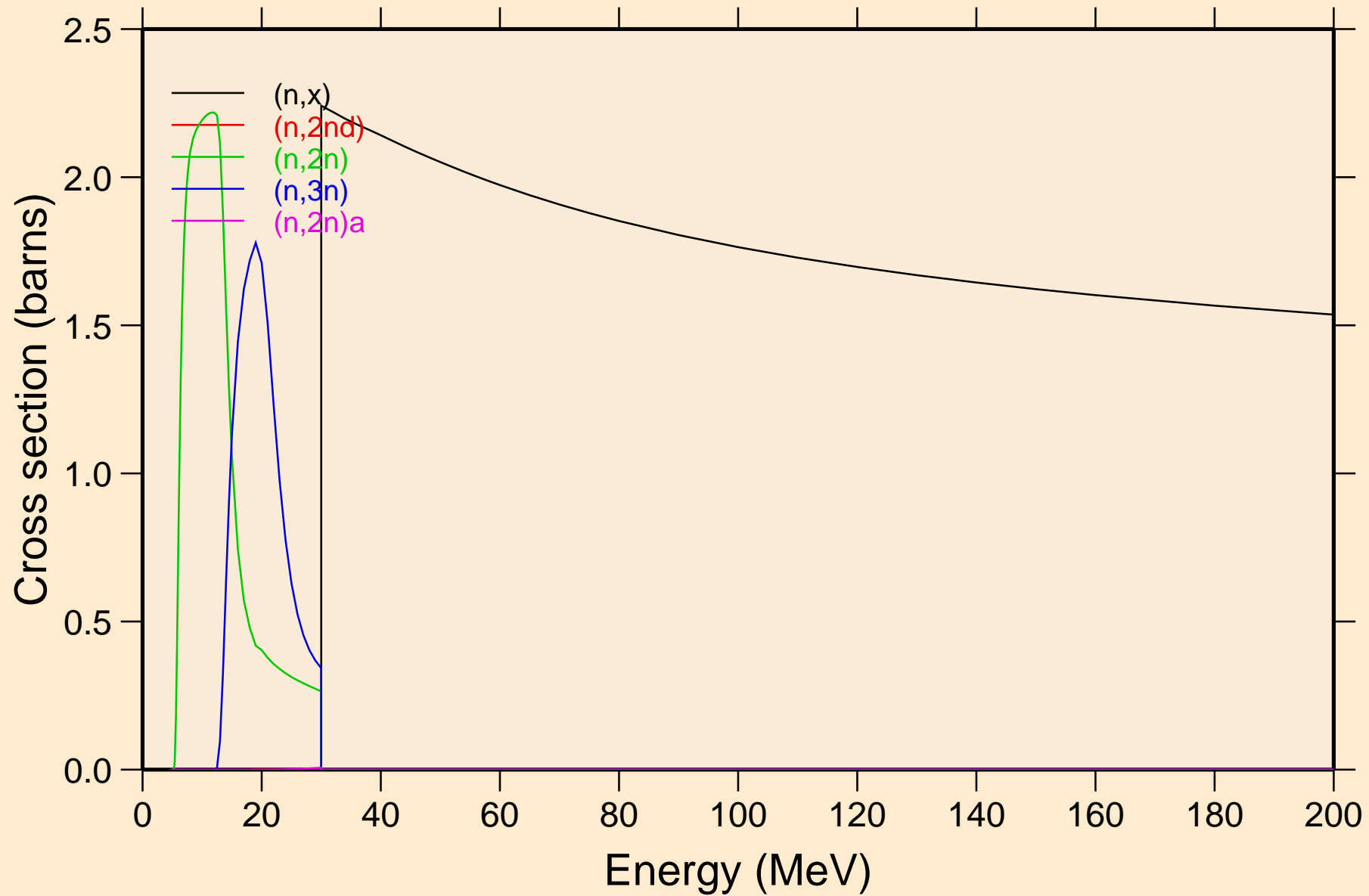


YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

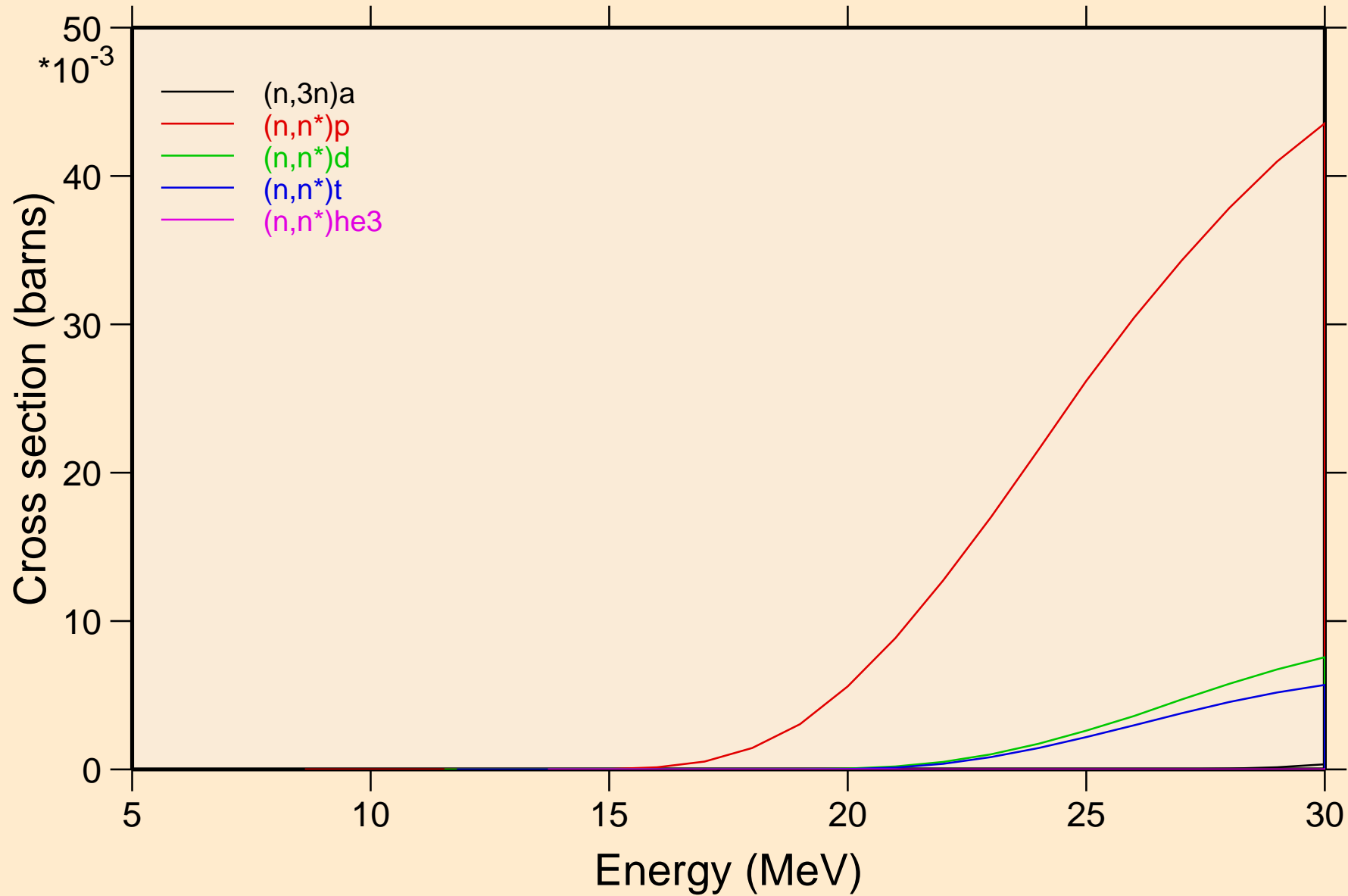


# YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

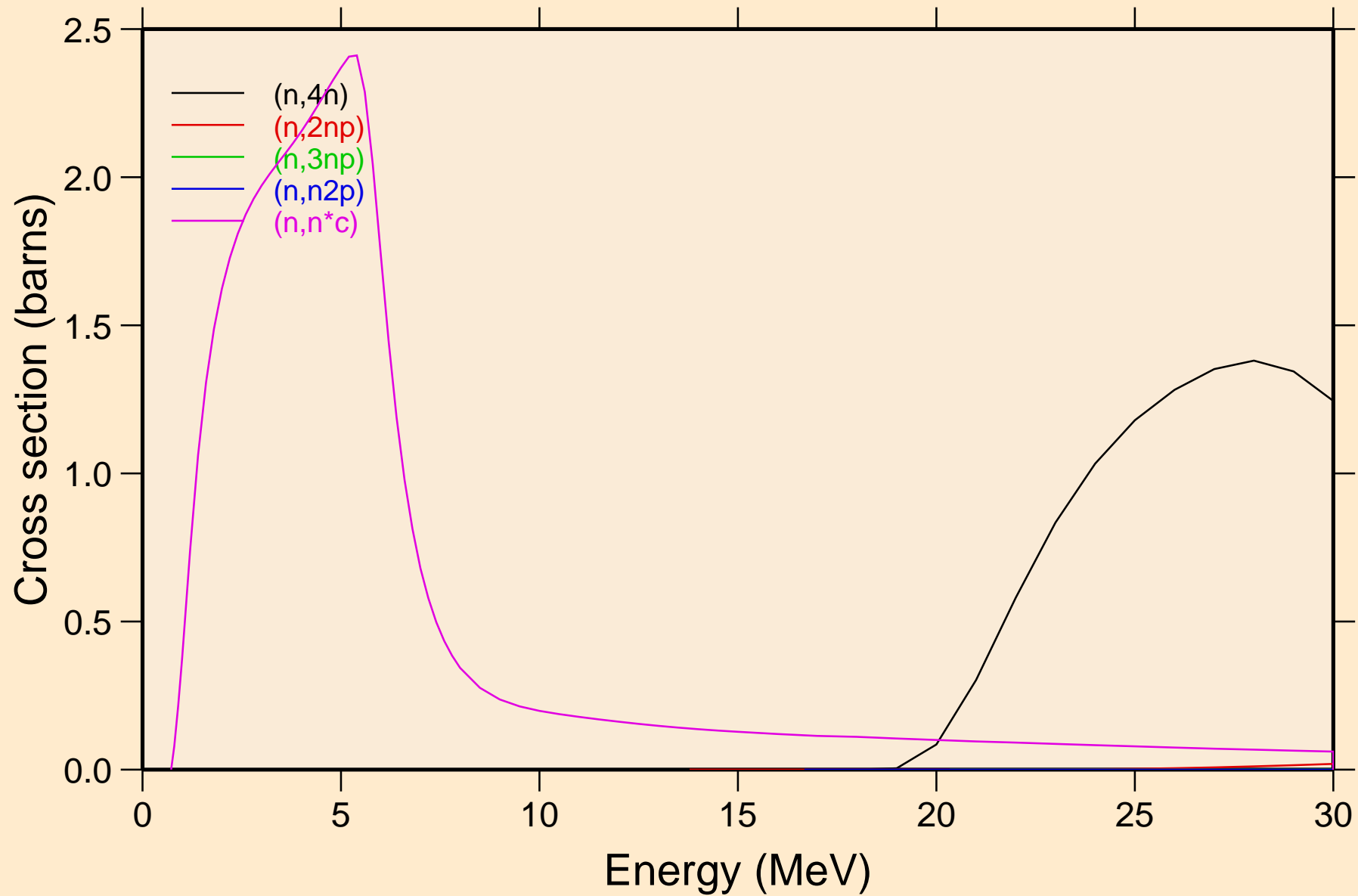
## Threshold reactions



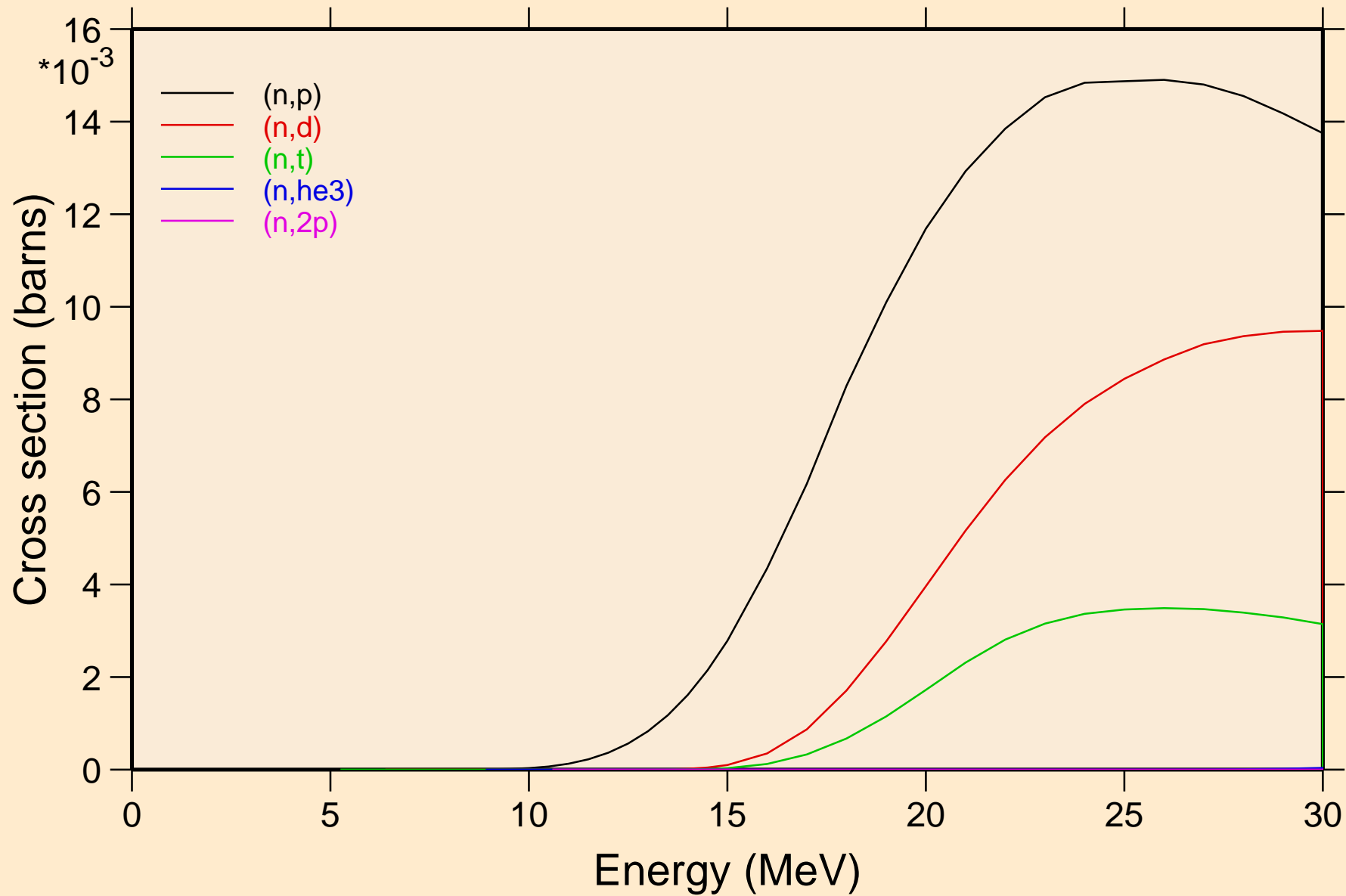
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

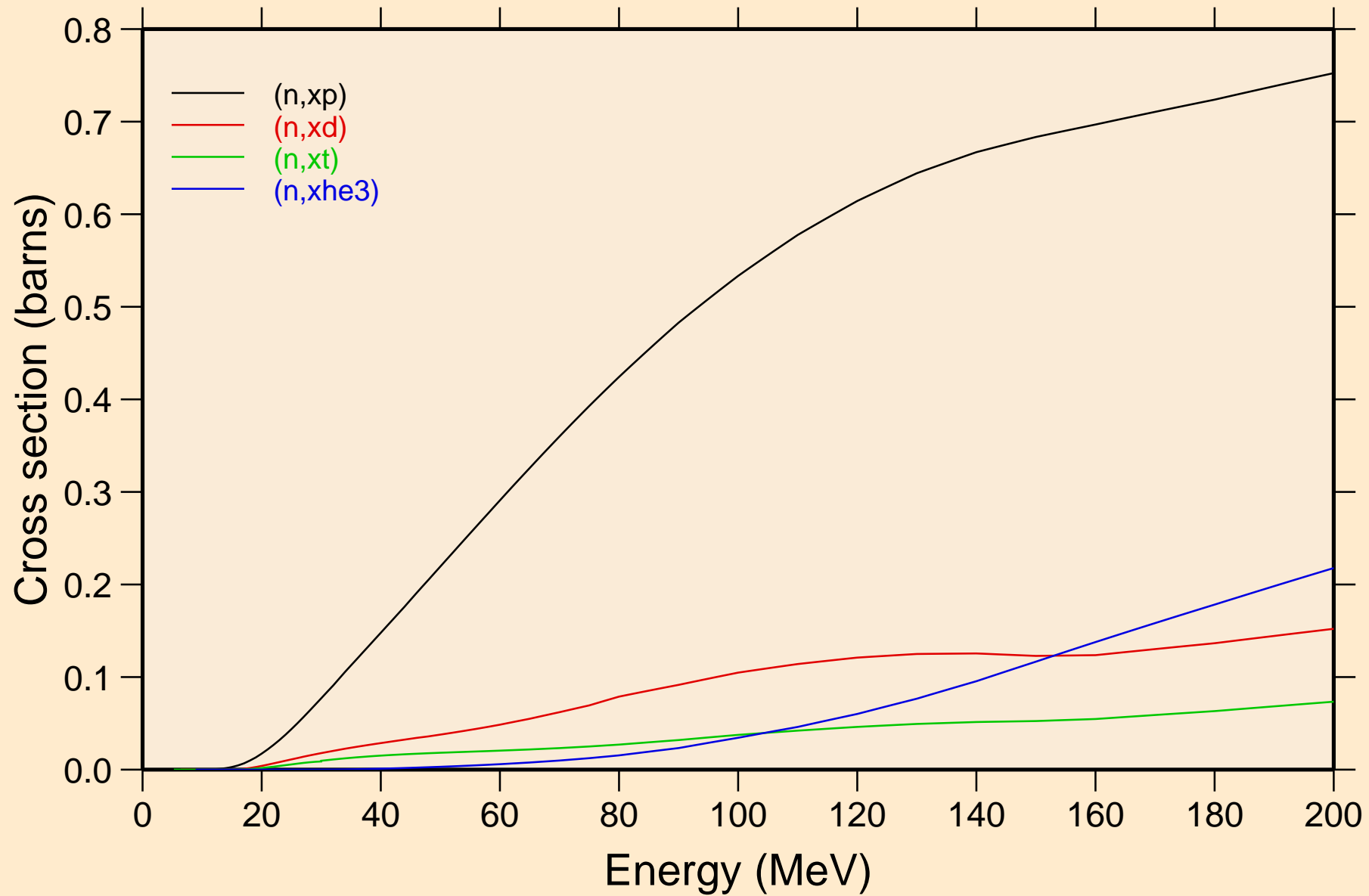


YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

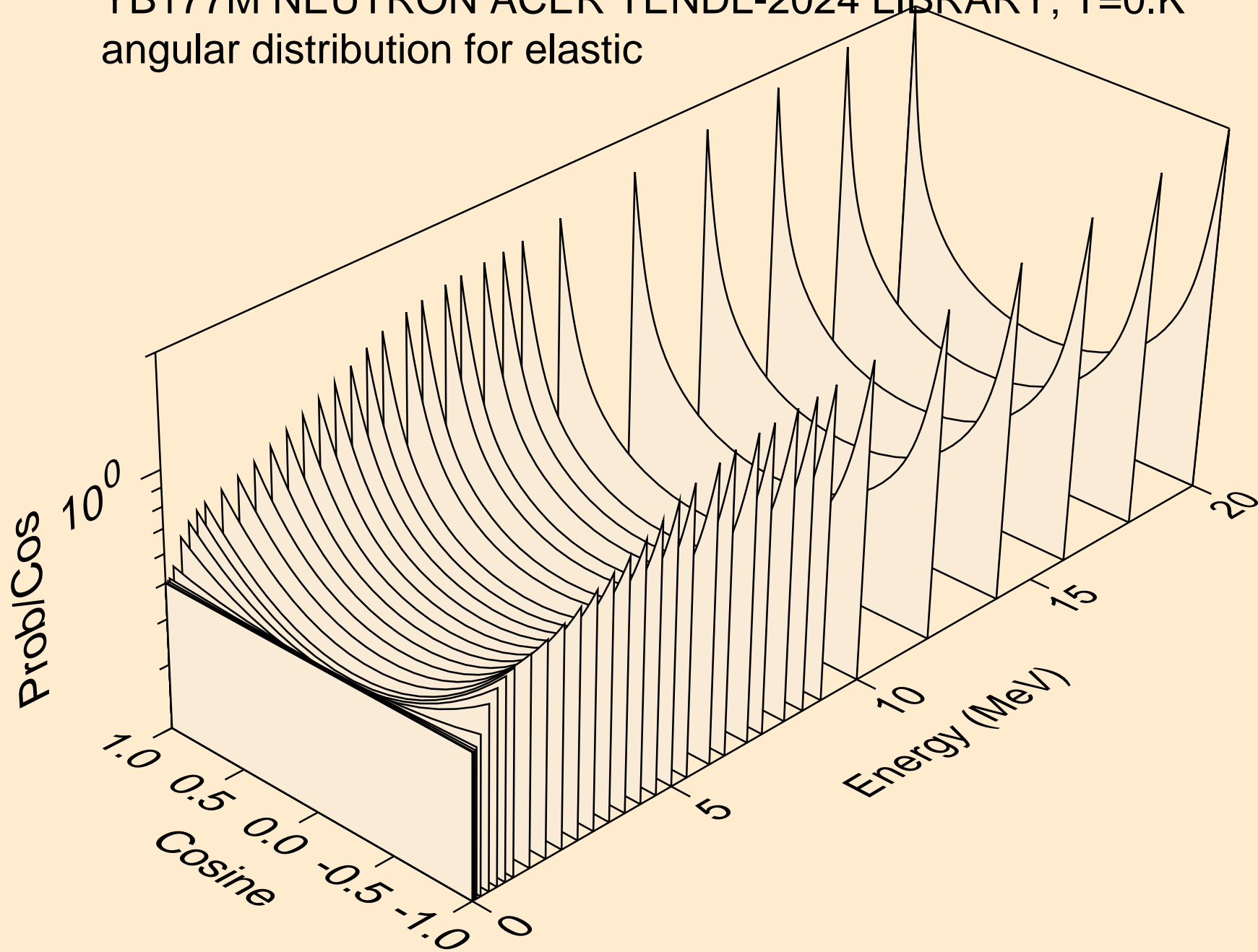




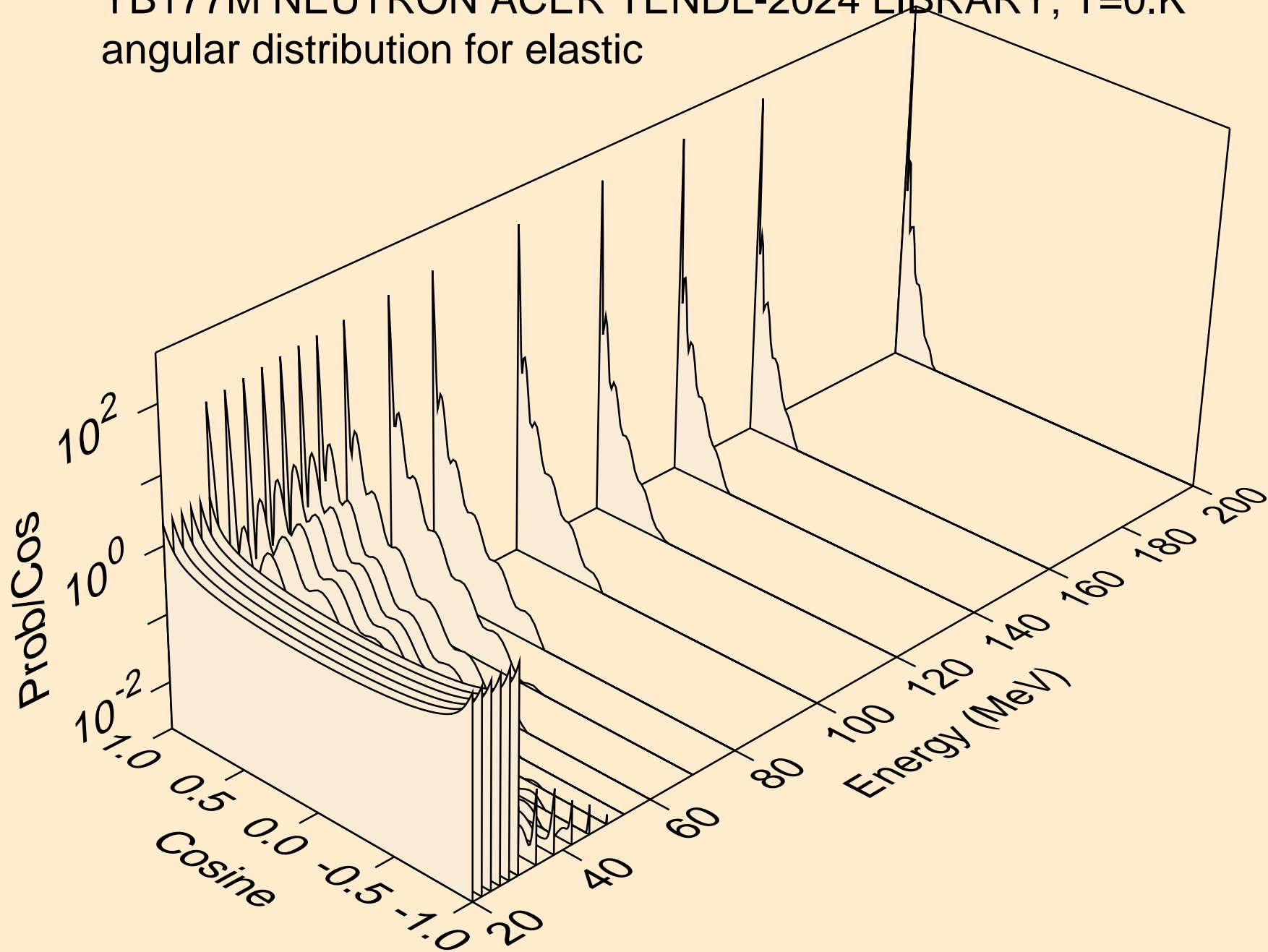
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



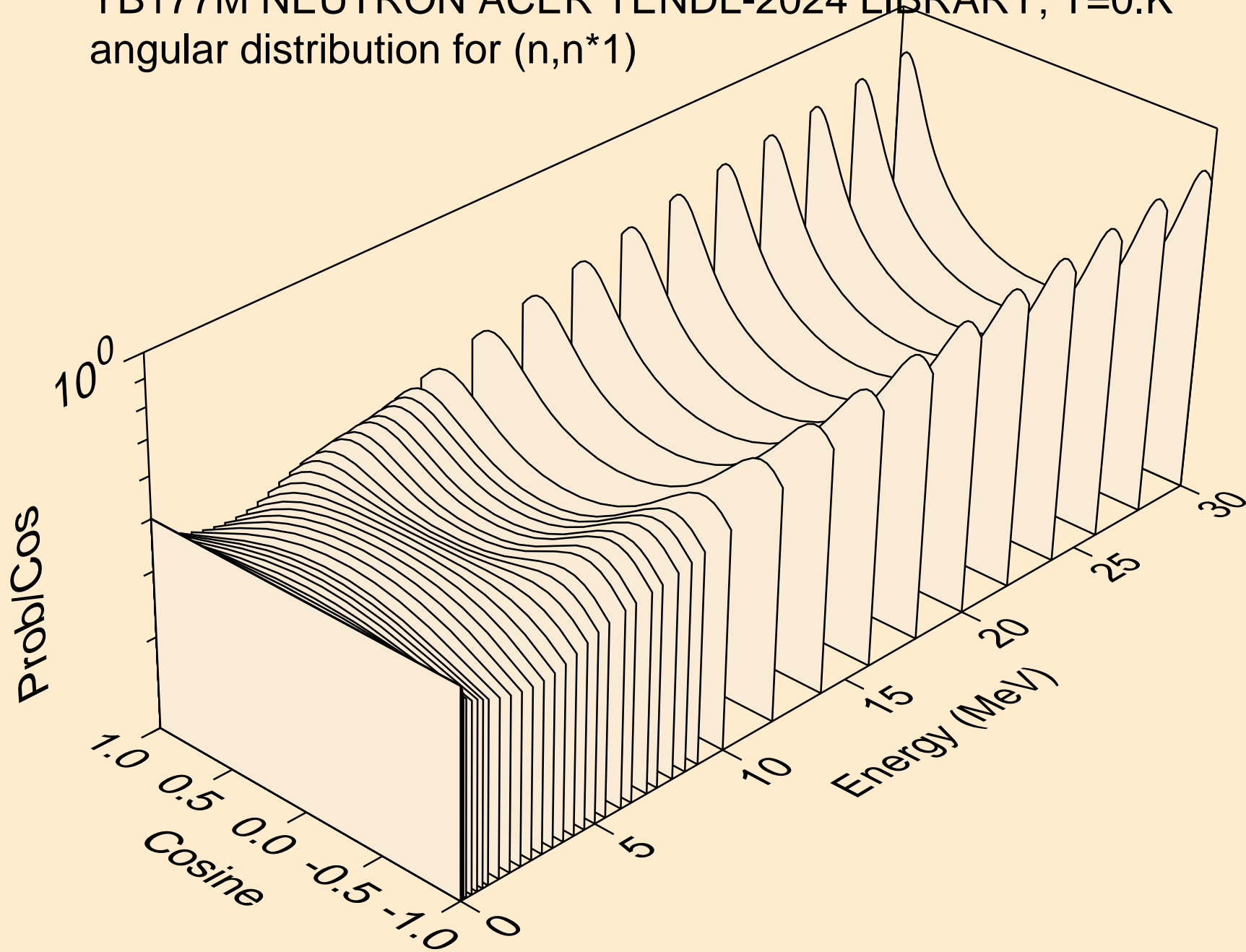
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



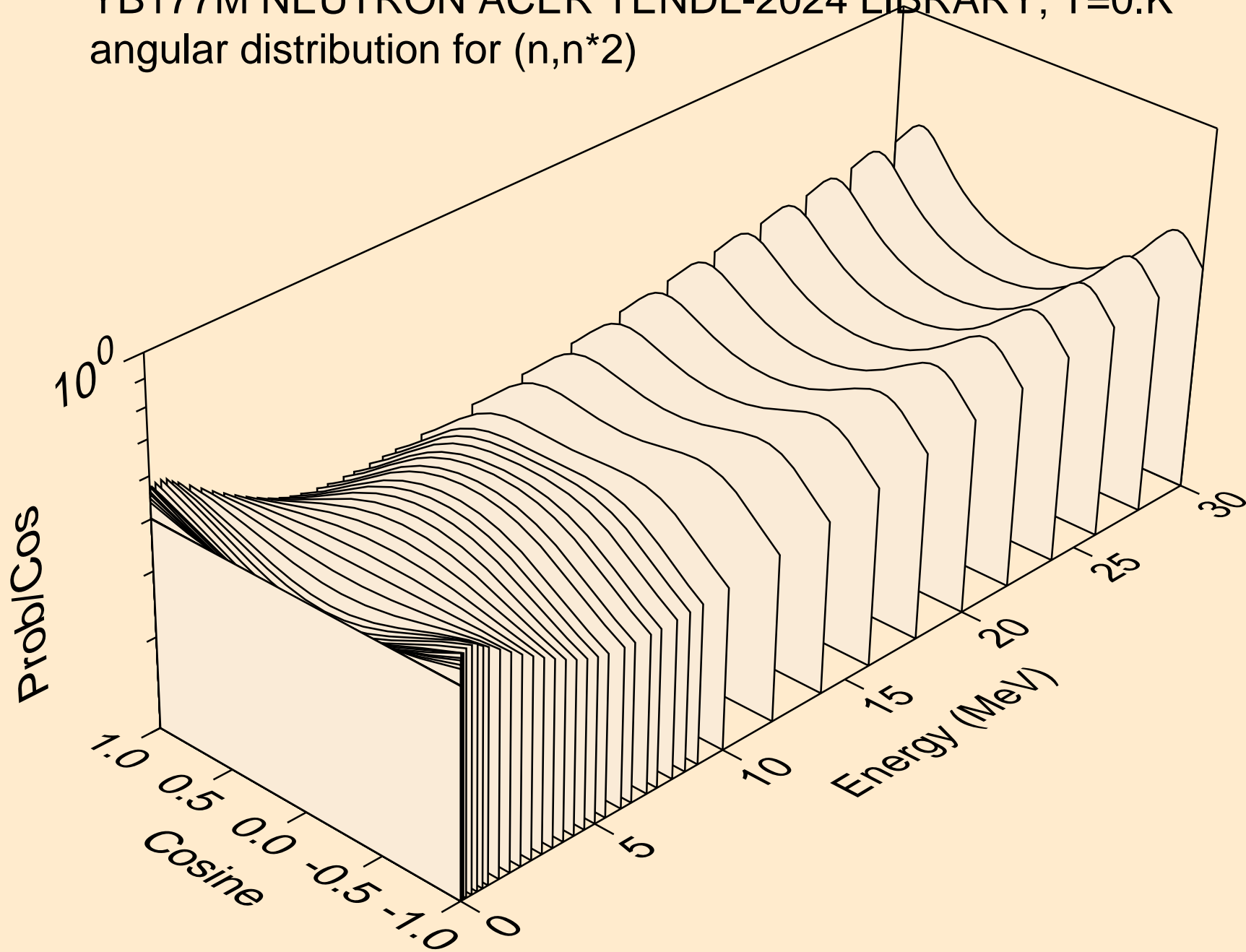
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



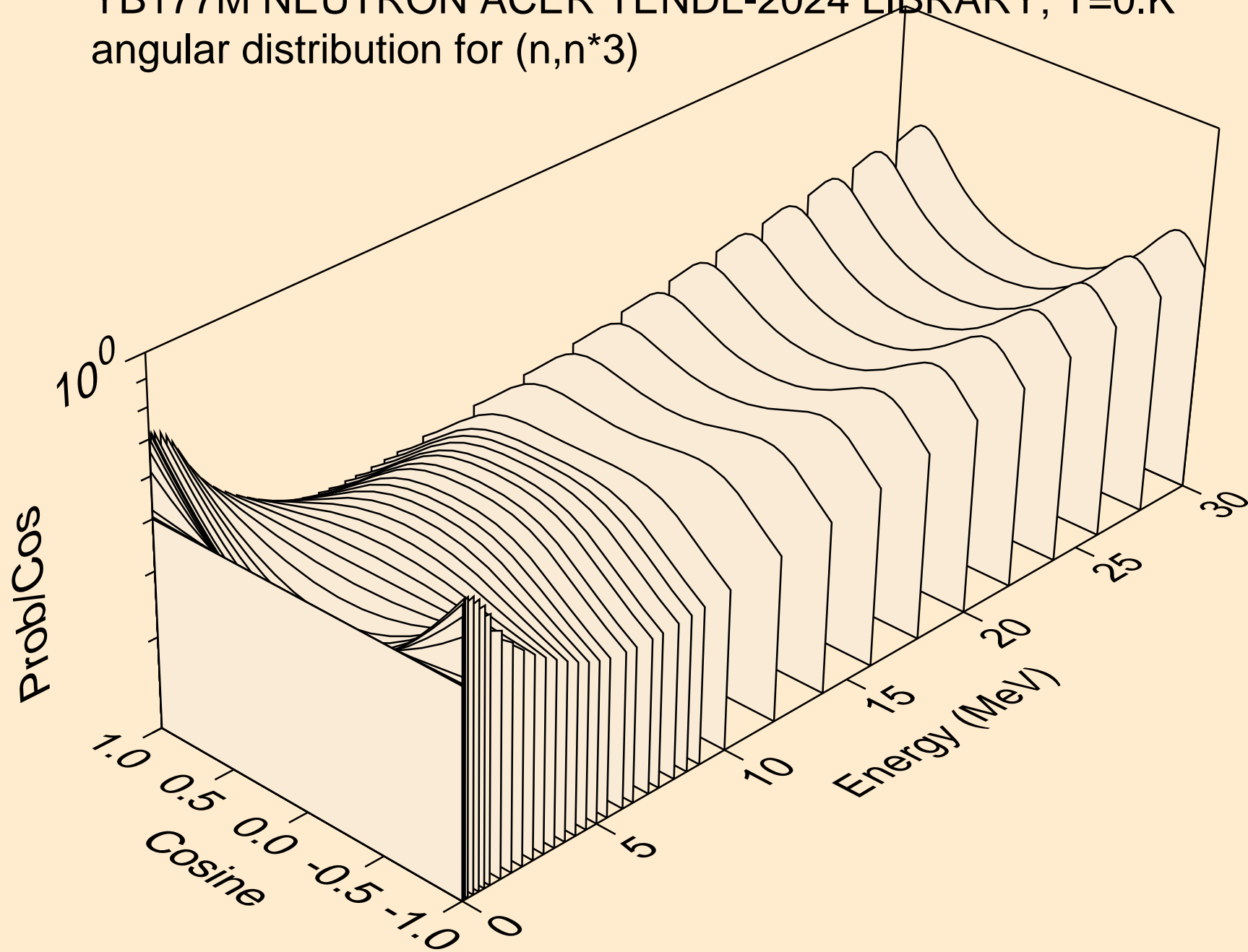
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



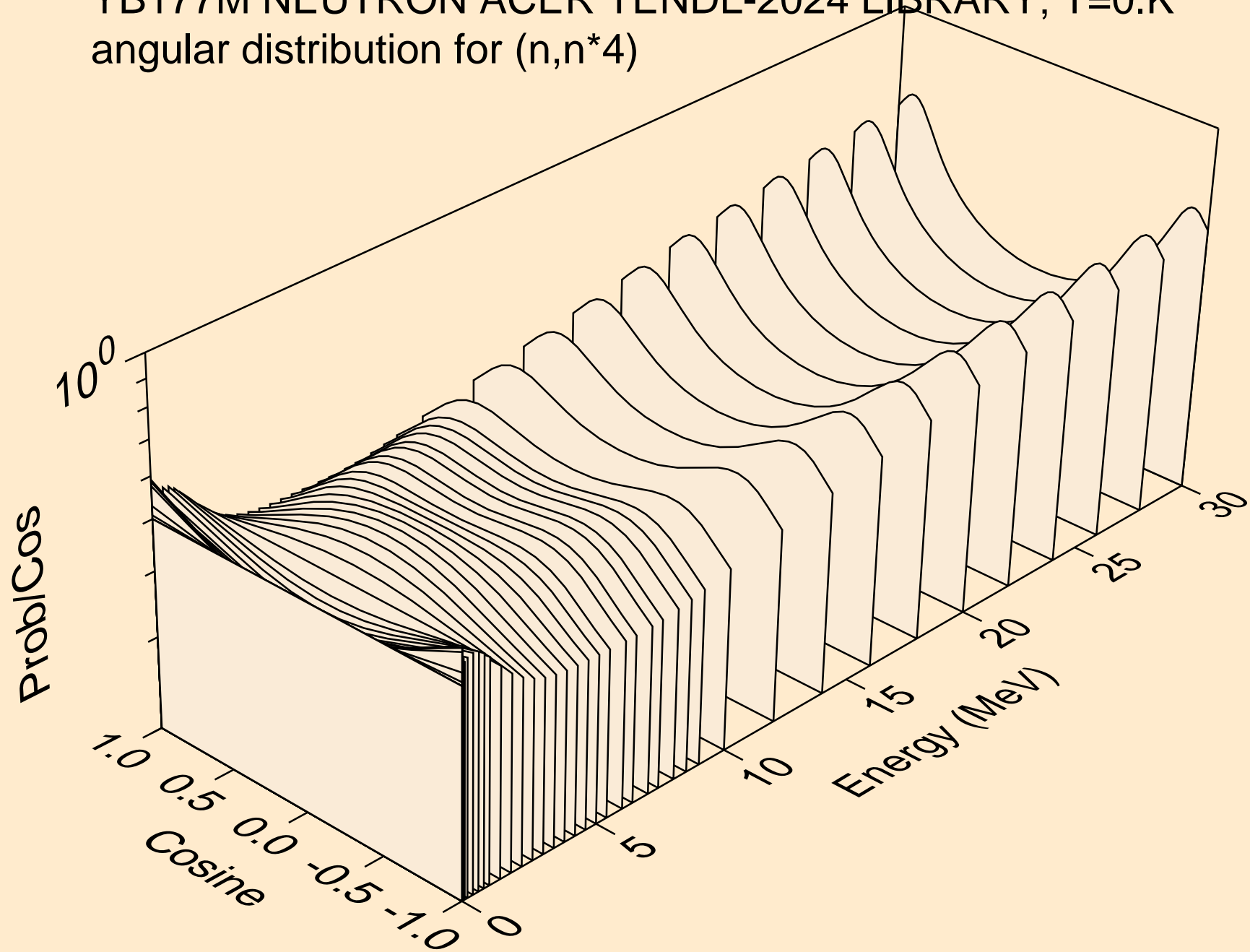
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



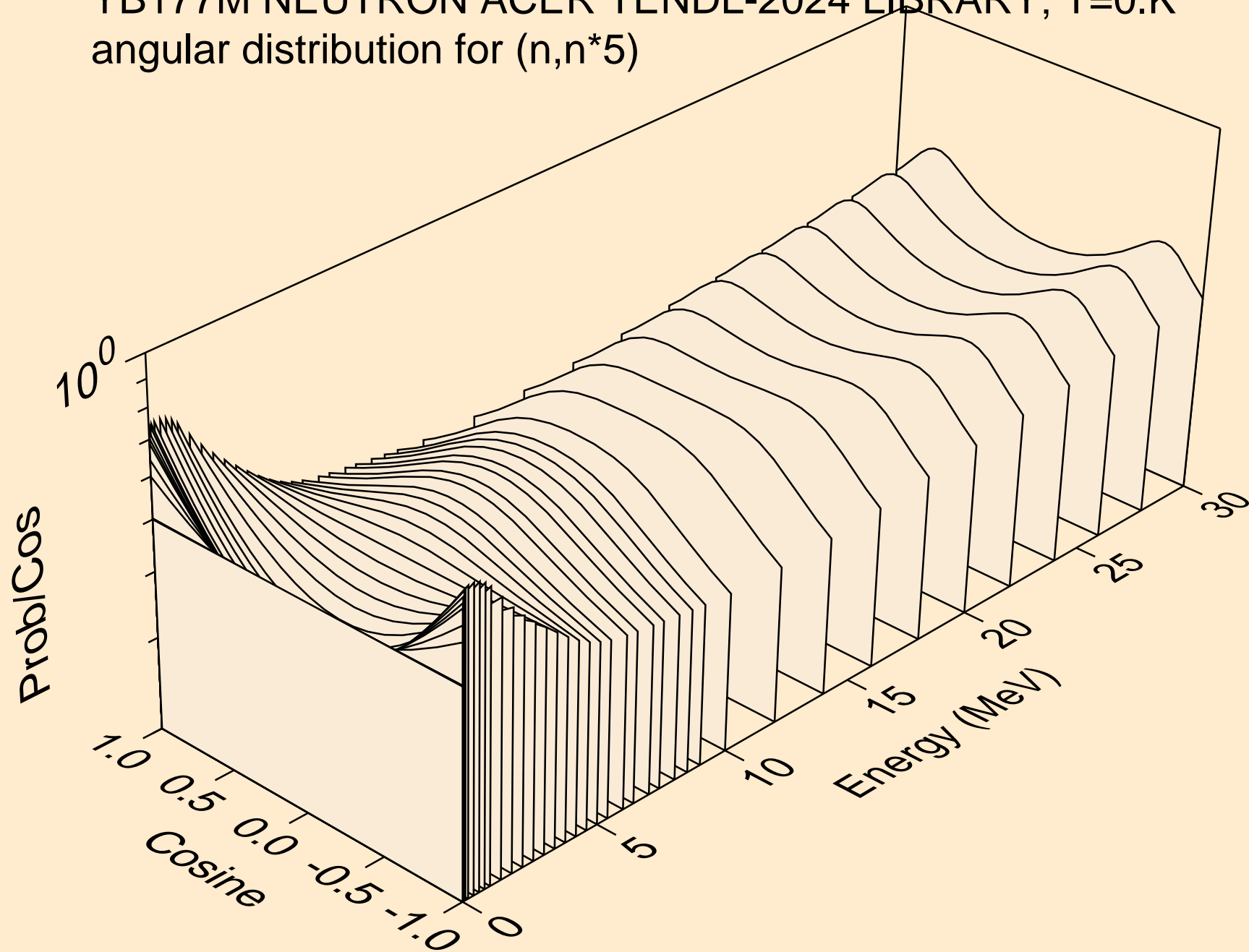
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)

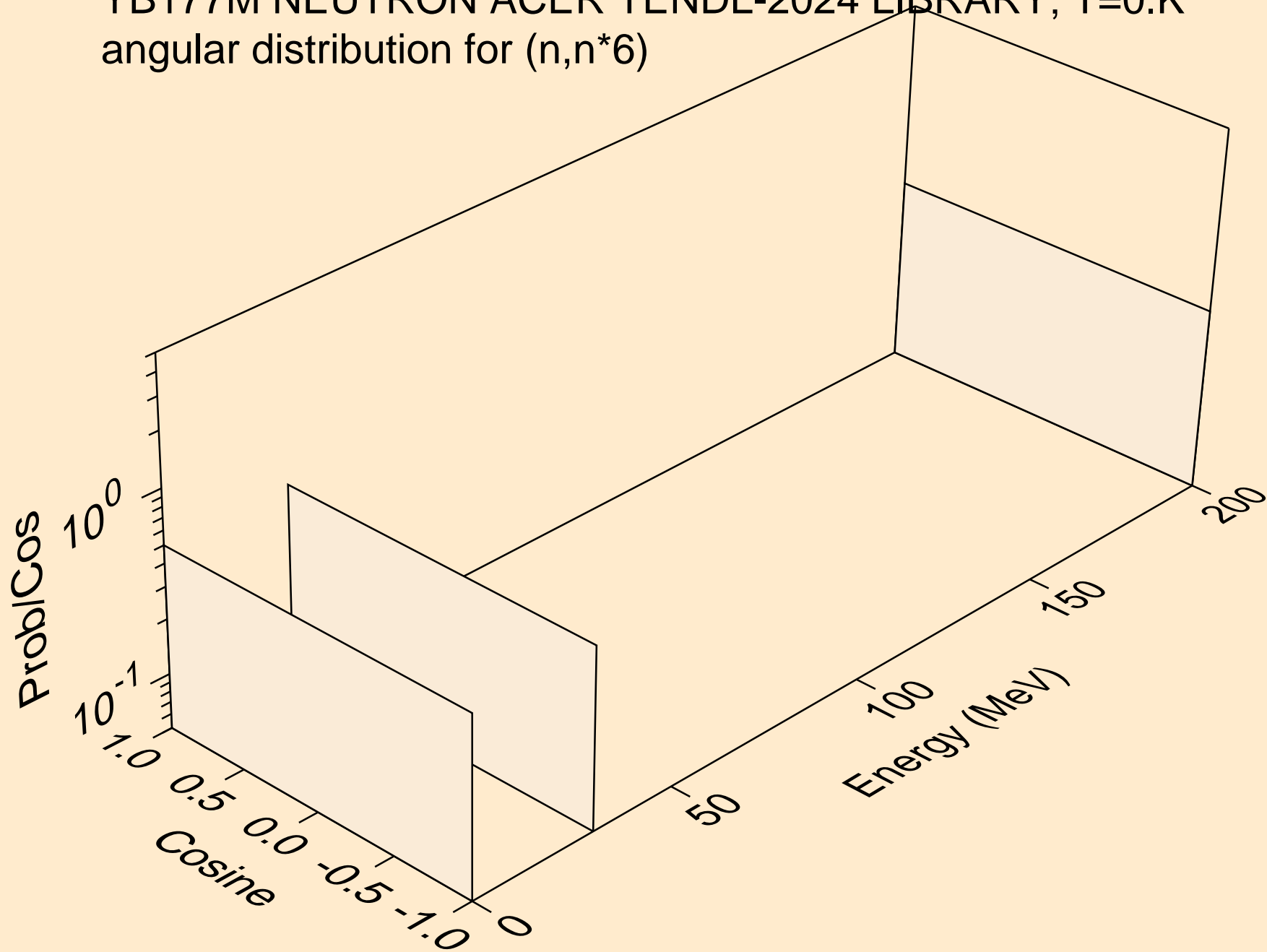


YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)

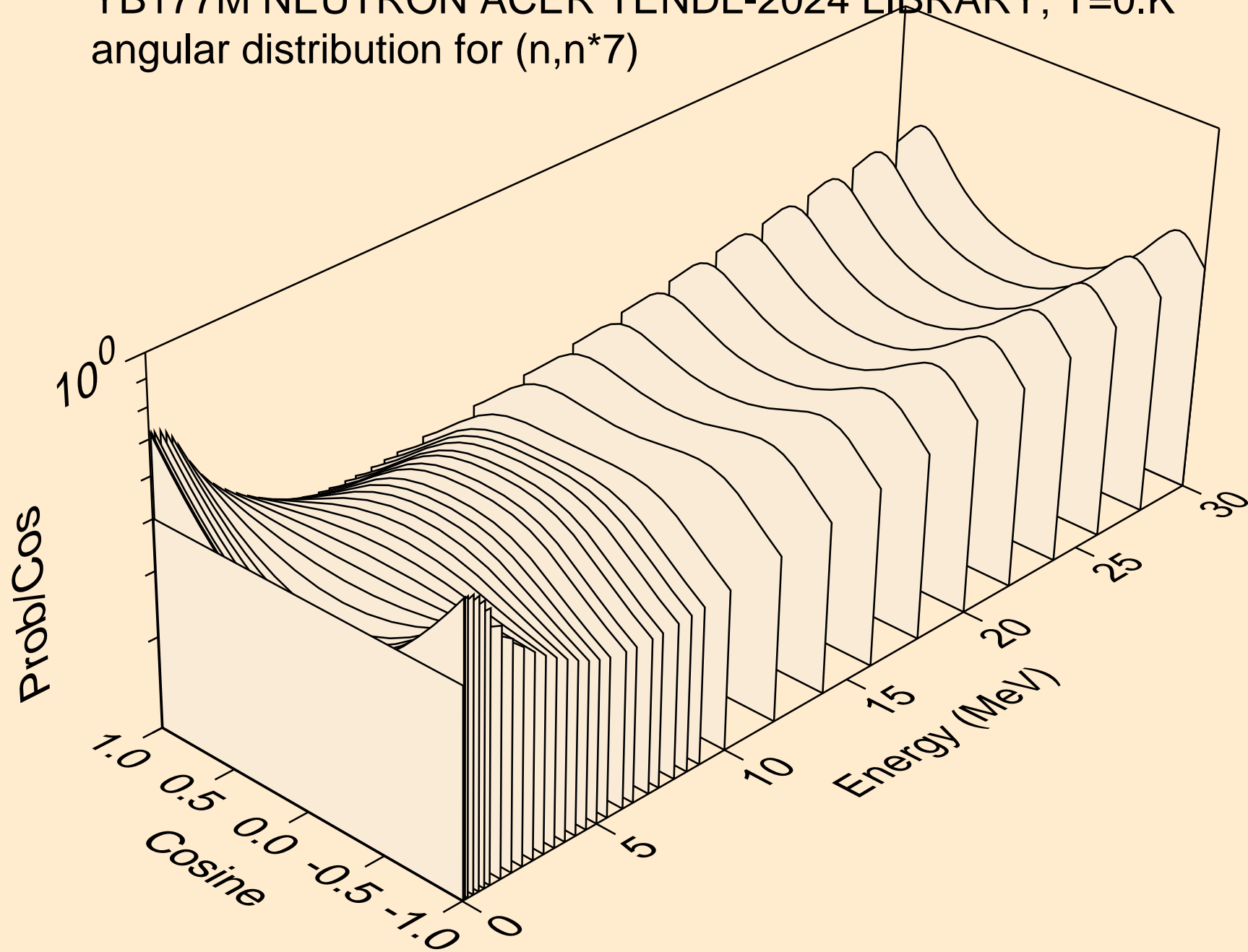




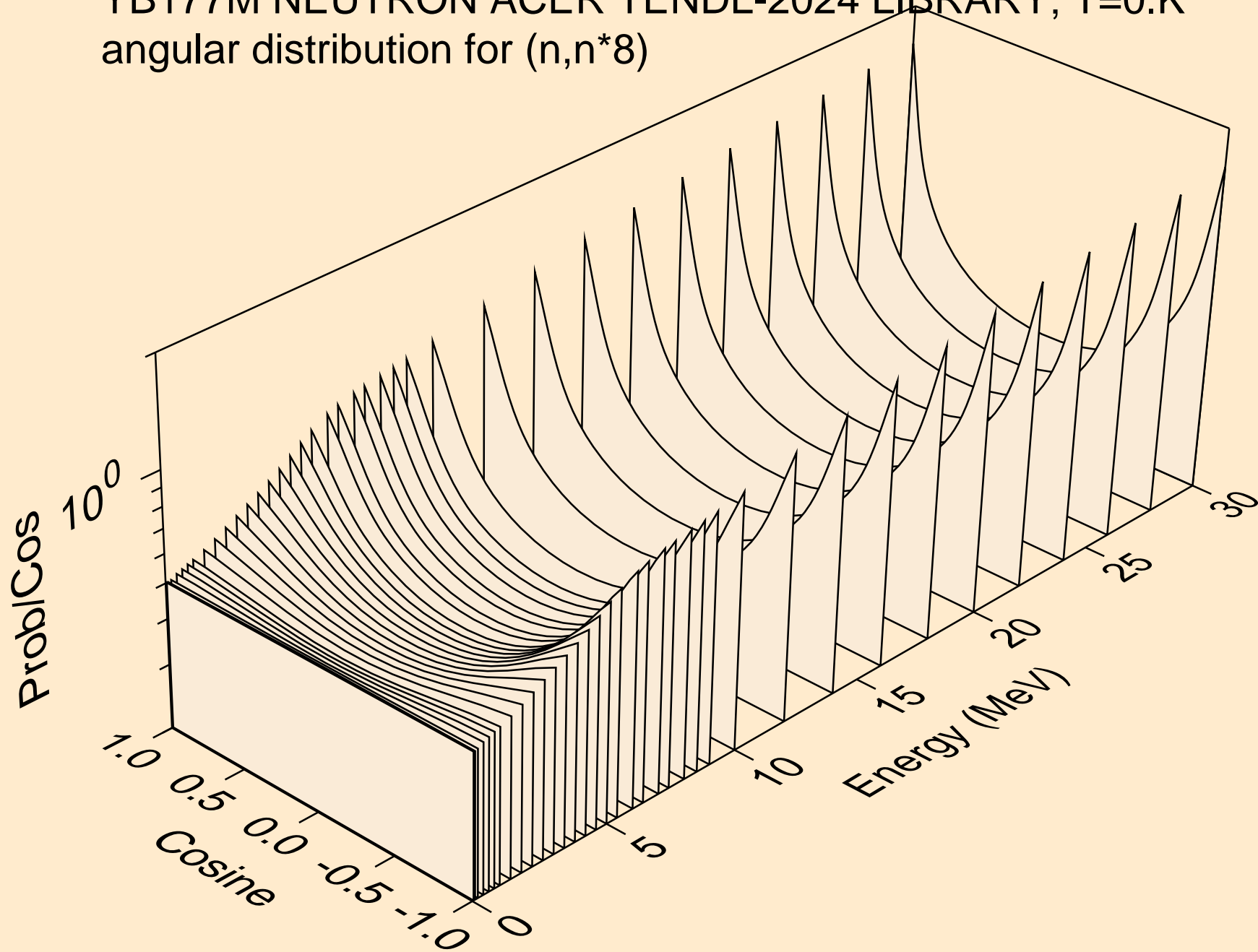
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



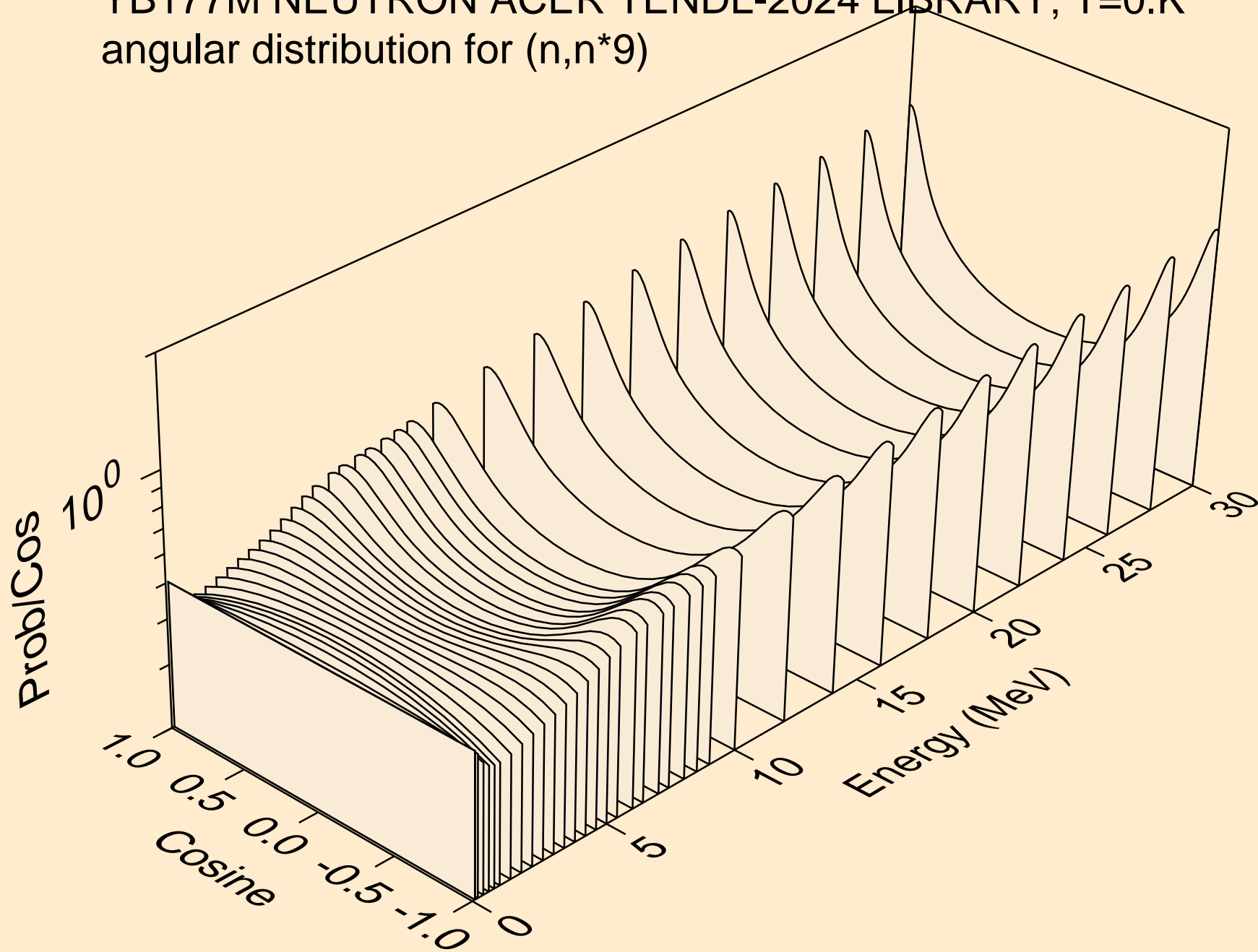
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



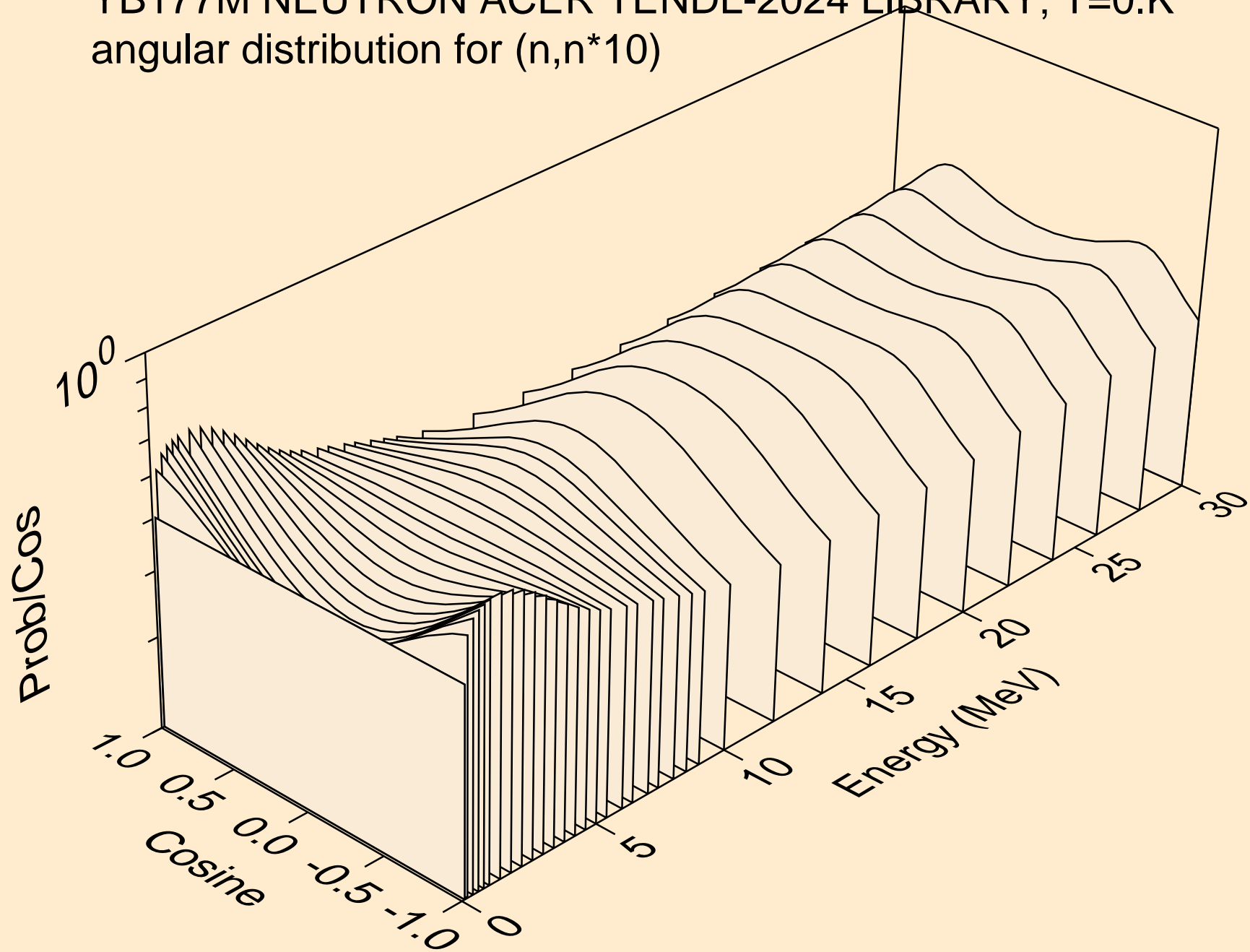
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



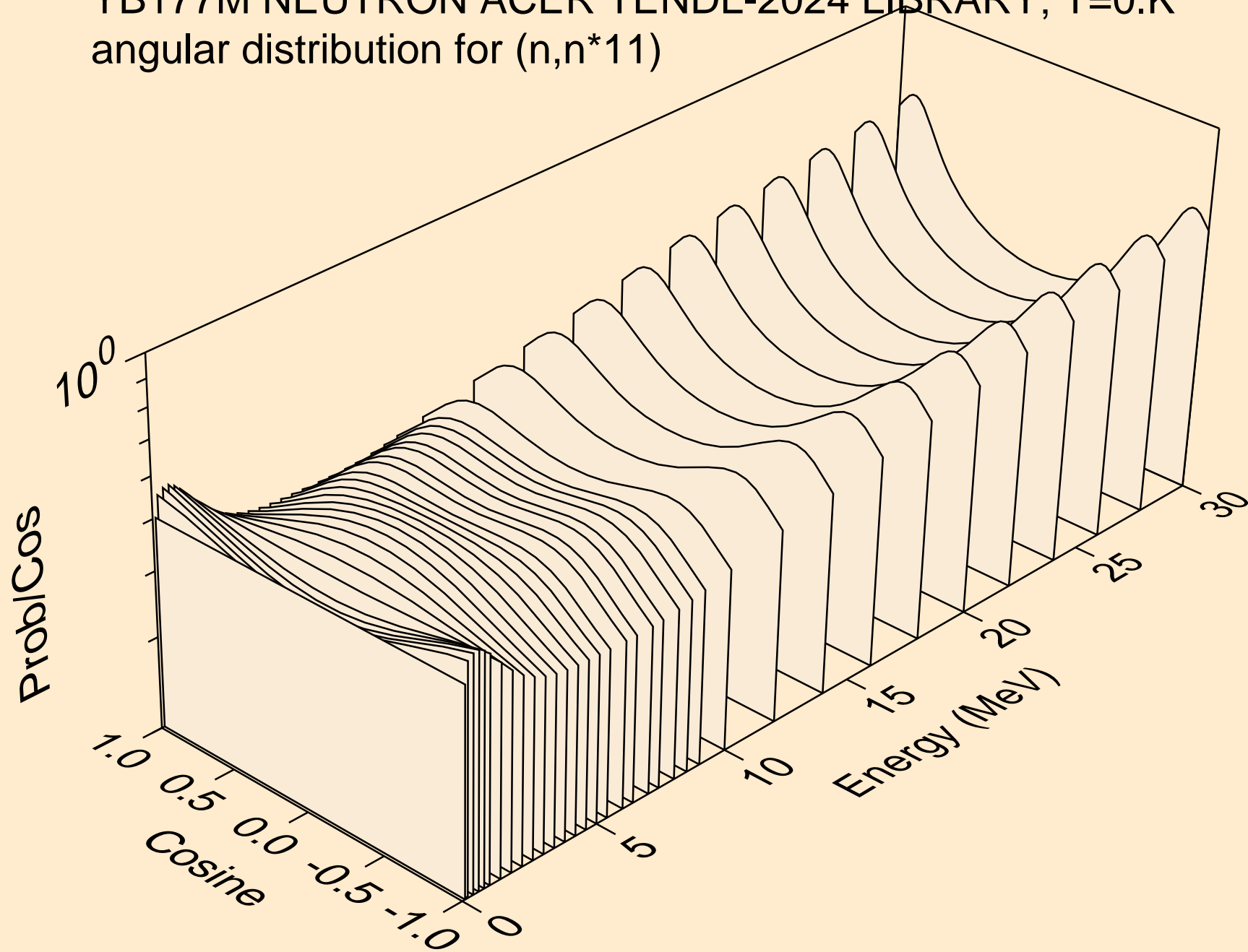
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



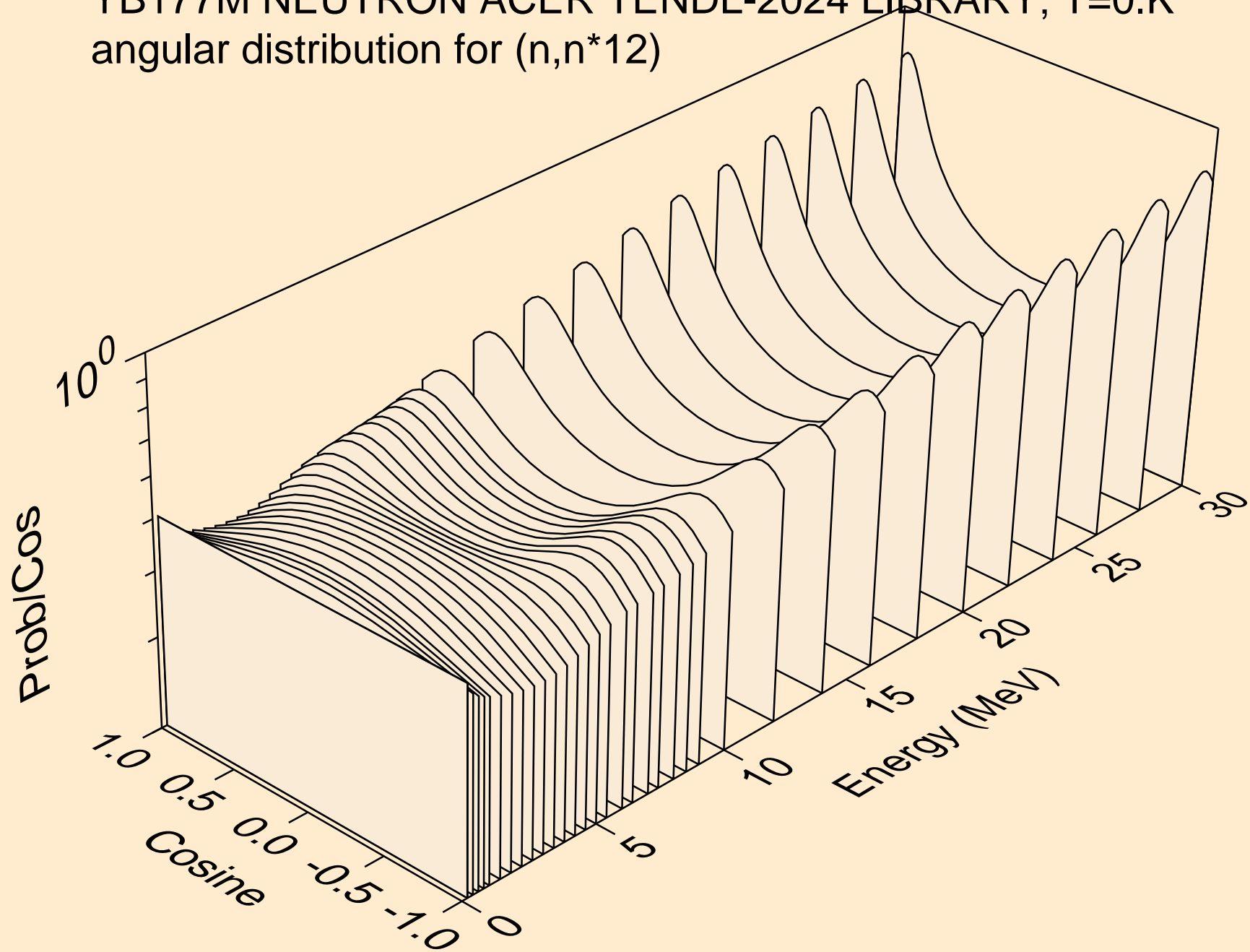
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



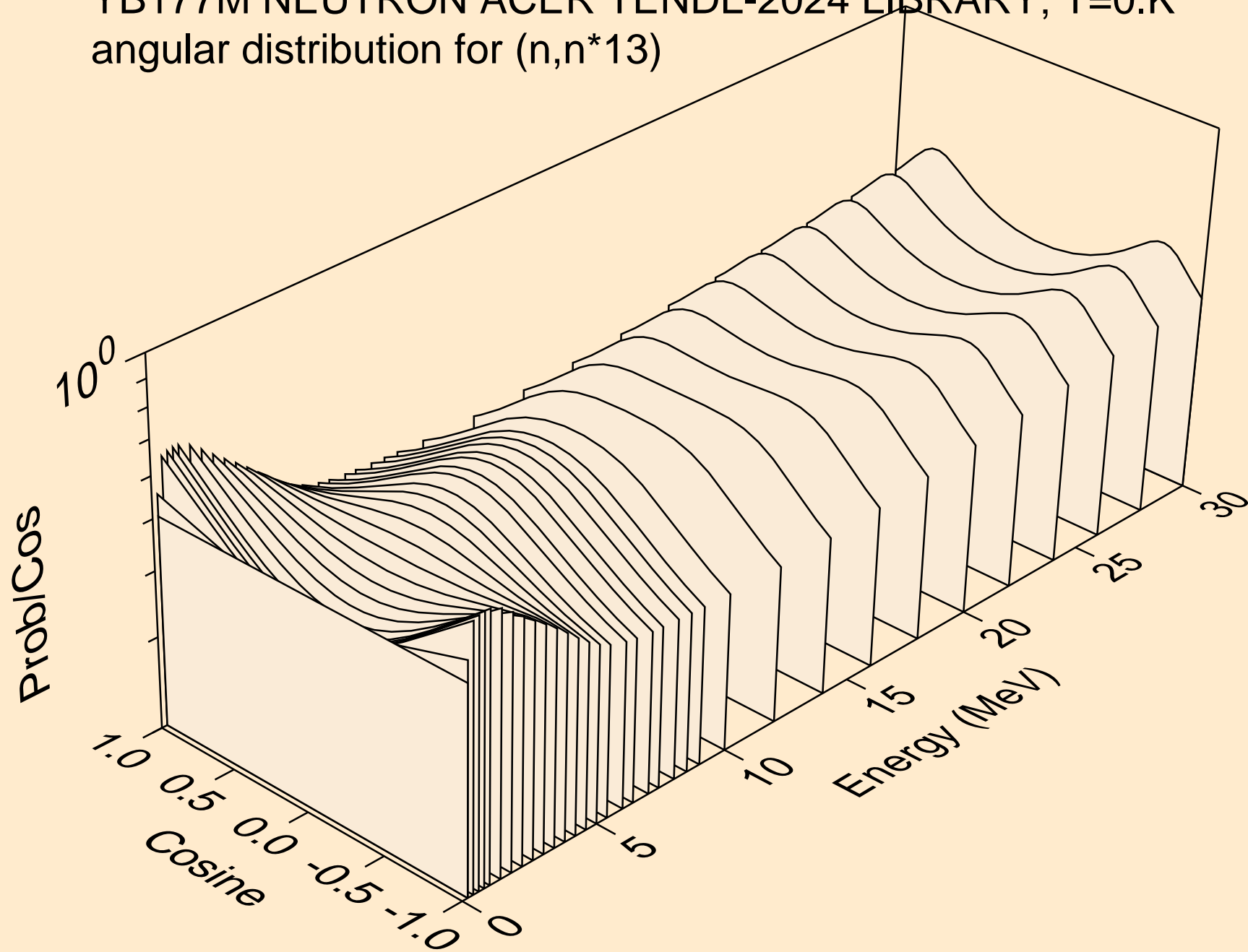
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)

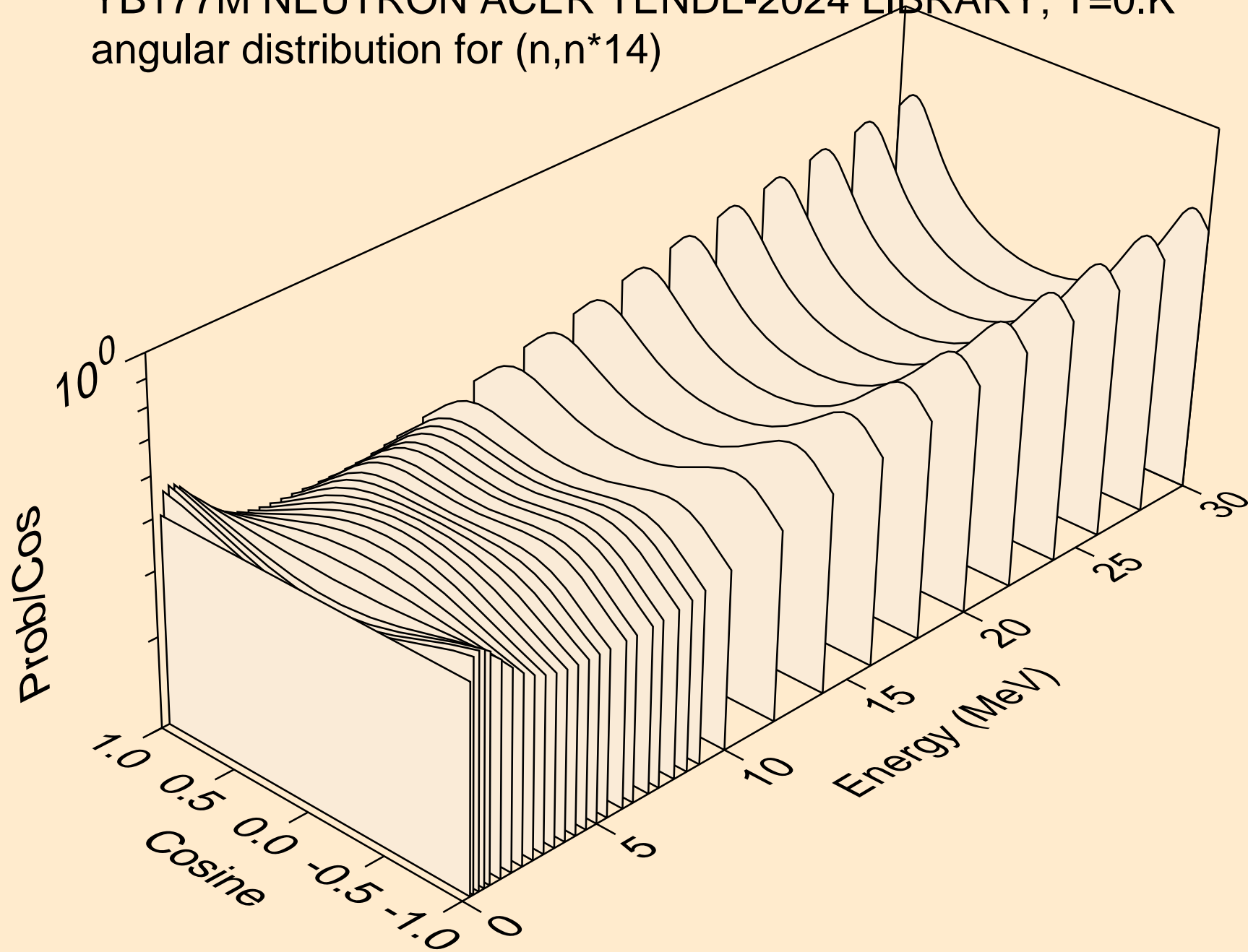


YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*13)

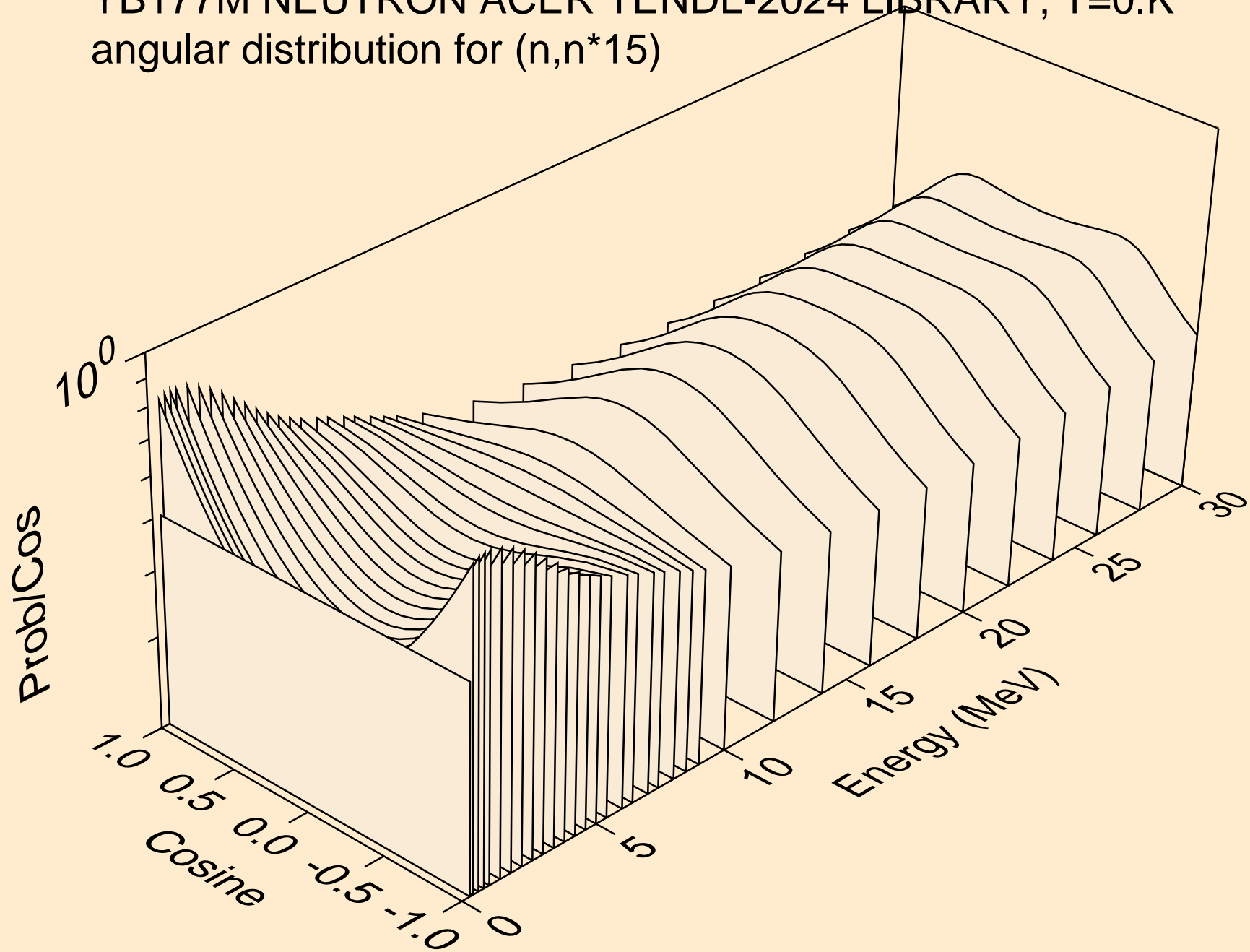




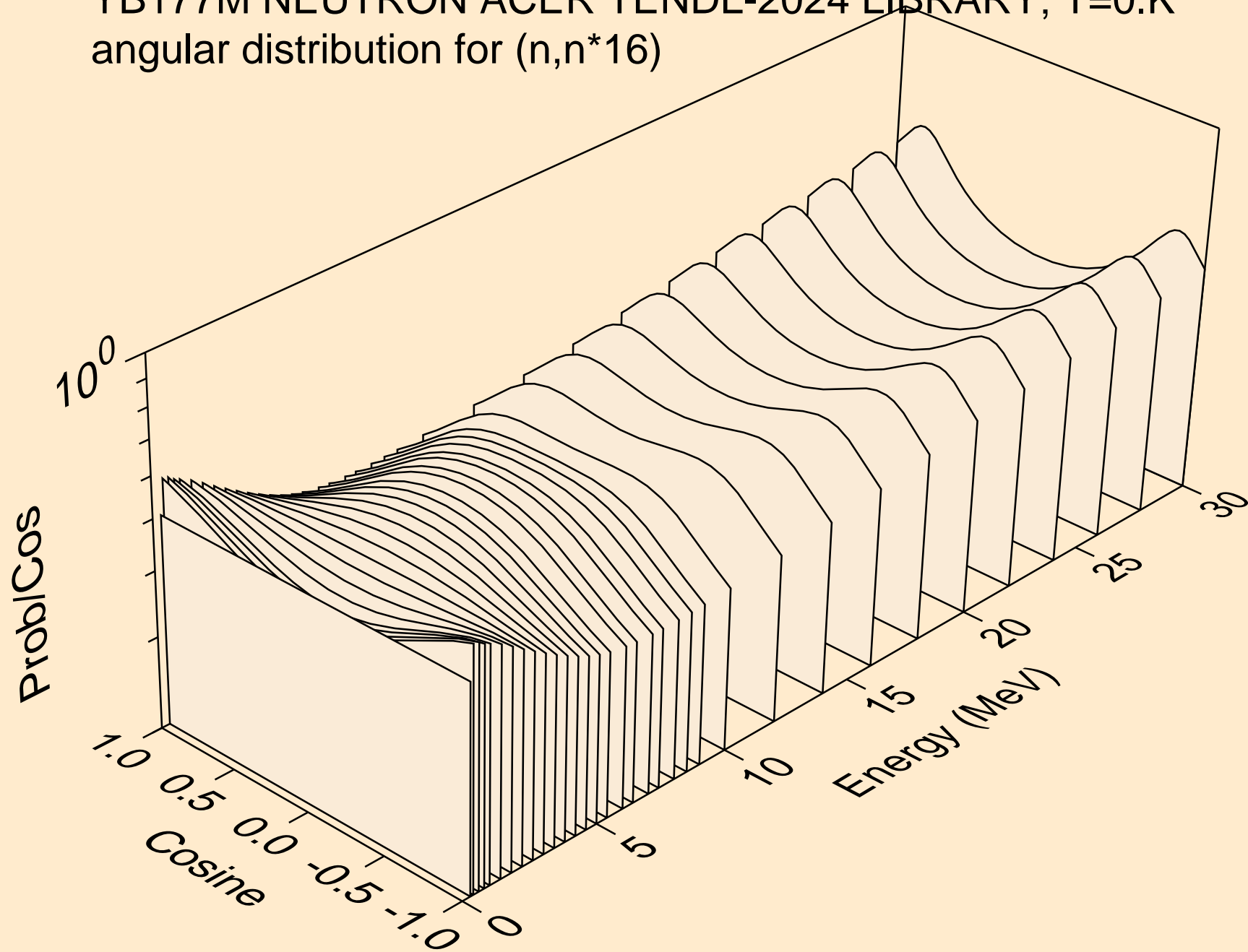
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angular distribution for (n,n\*14)



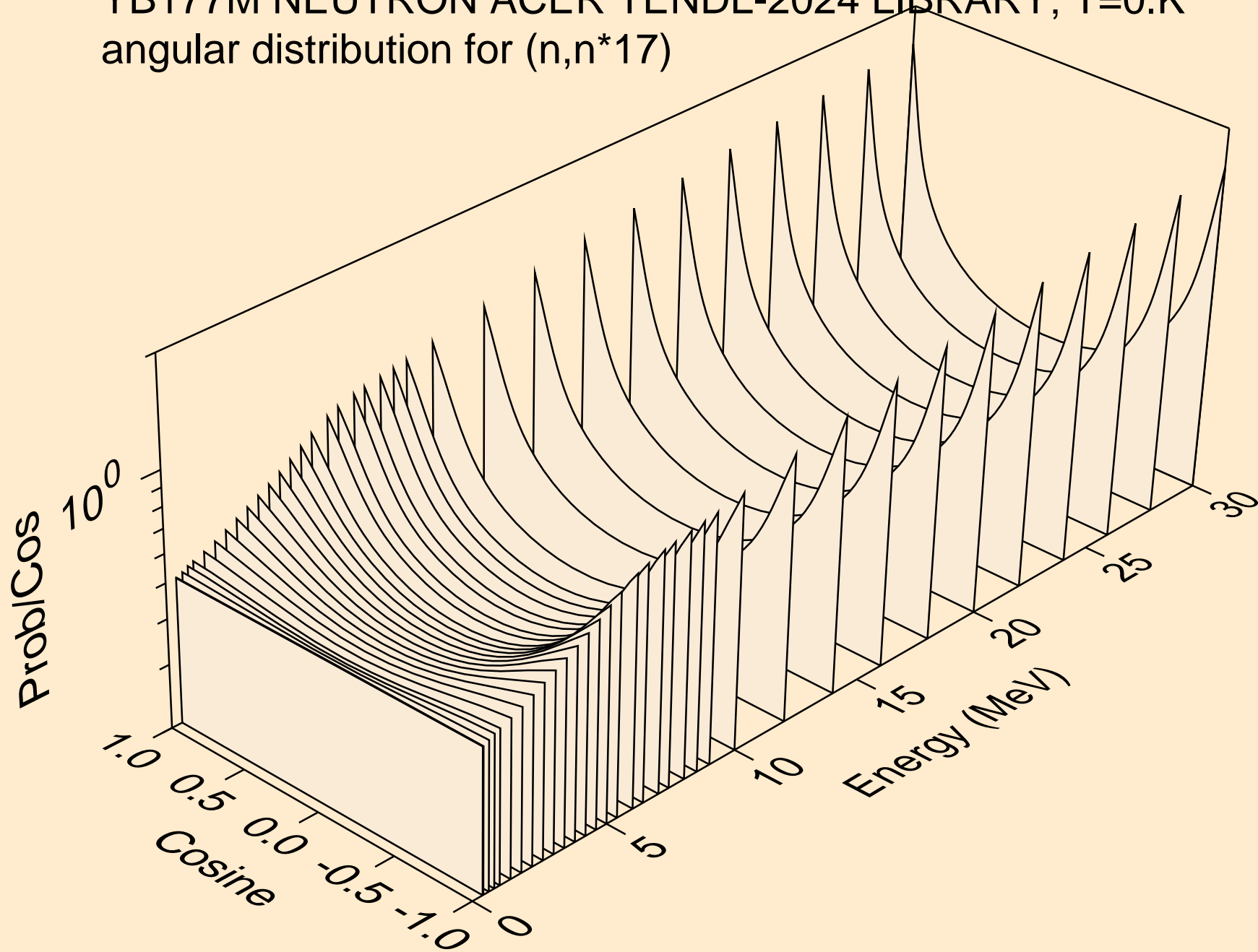
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



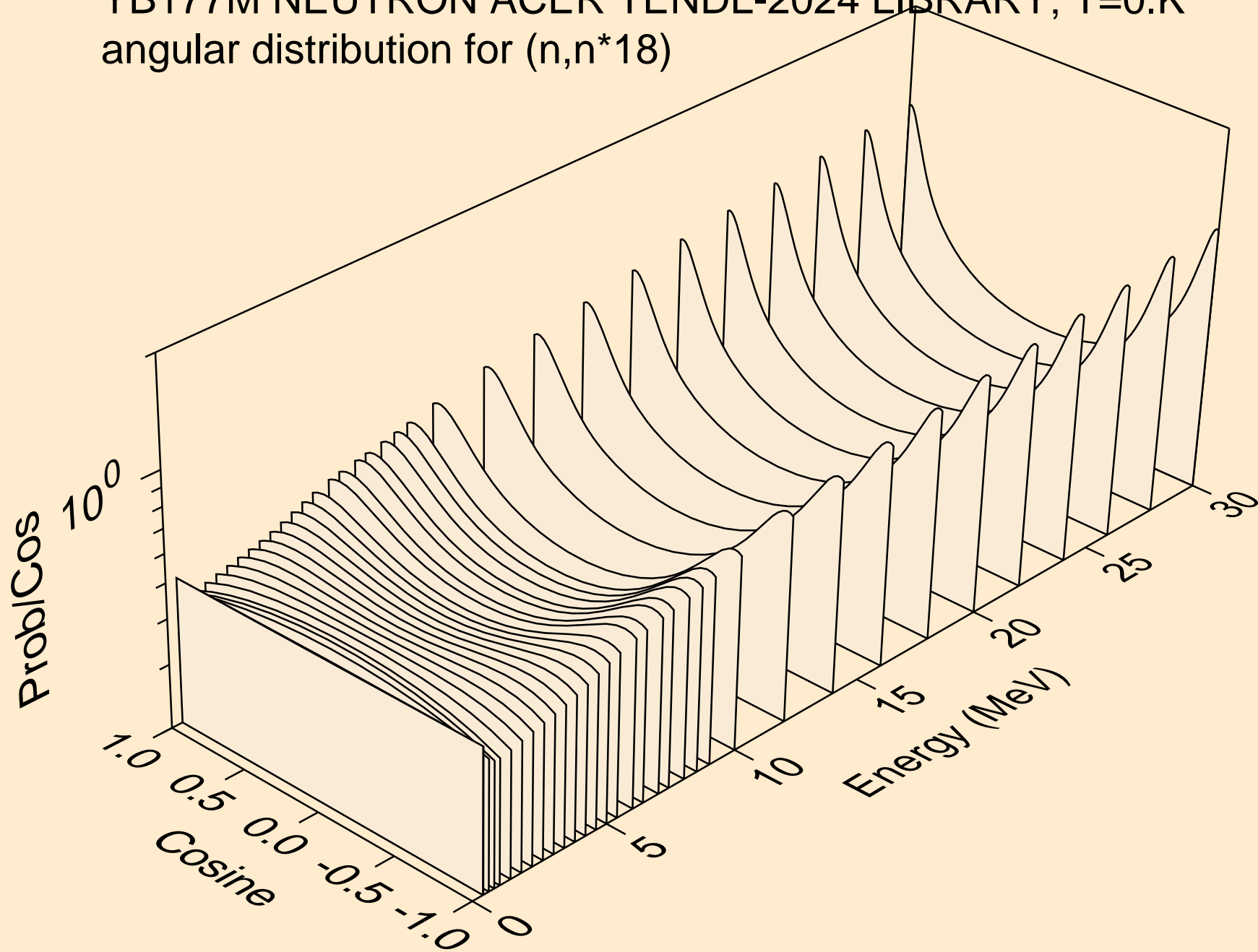
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



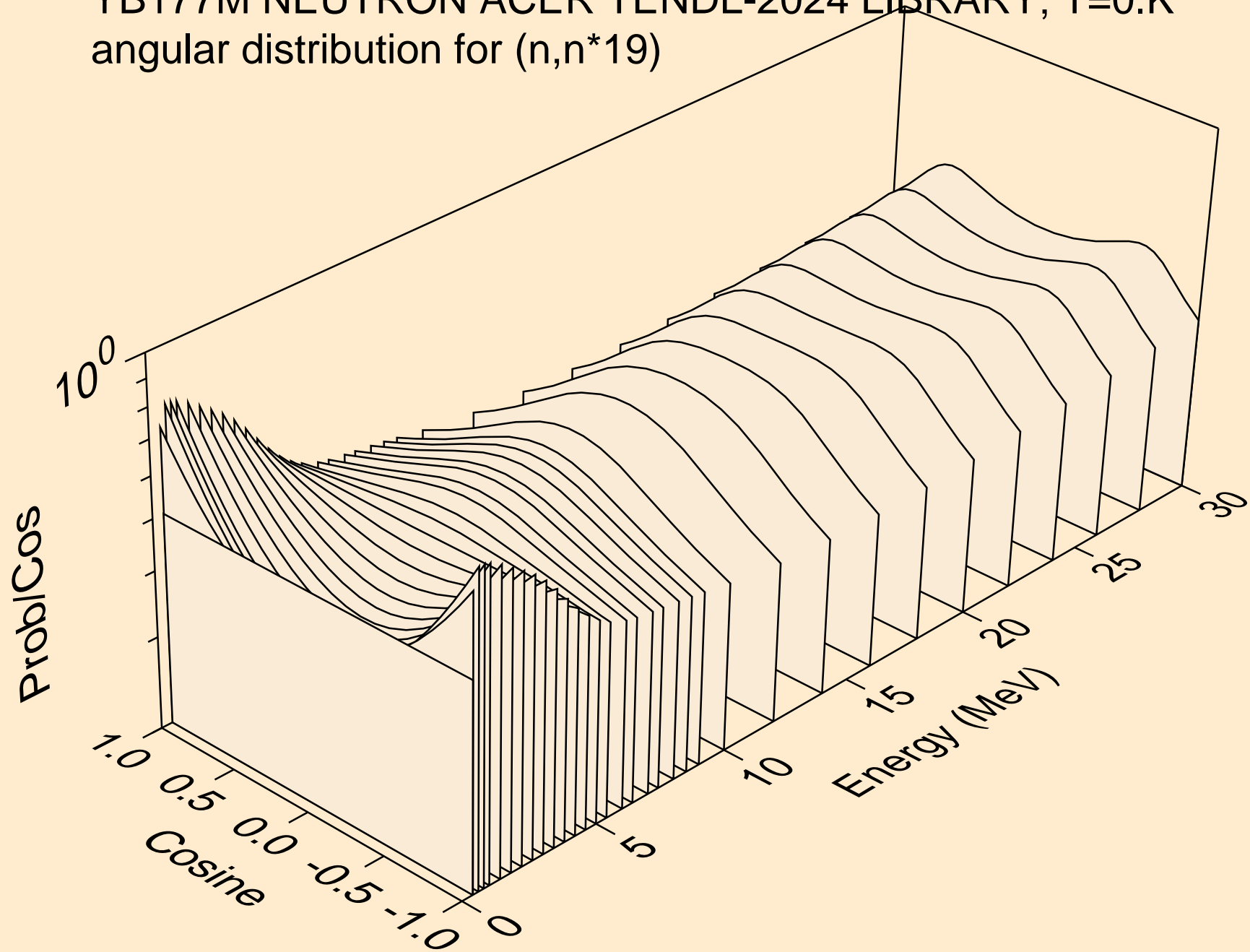
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angular distribution for (n,n\*17)



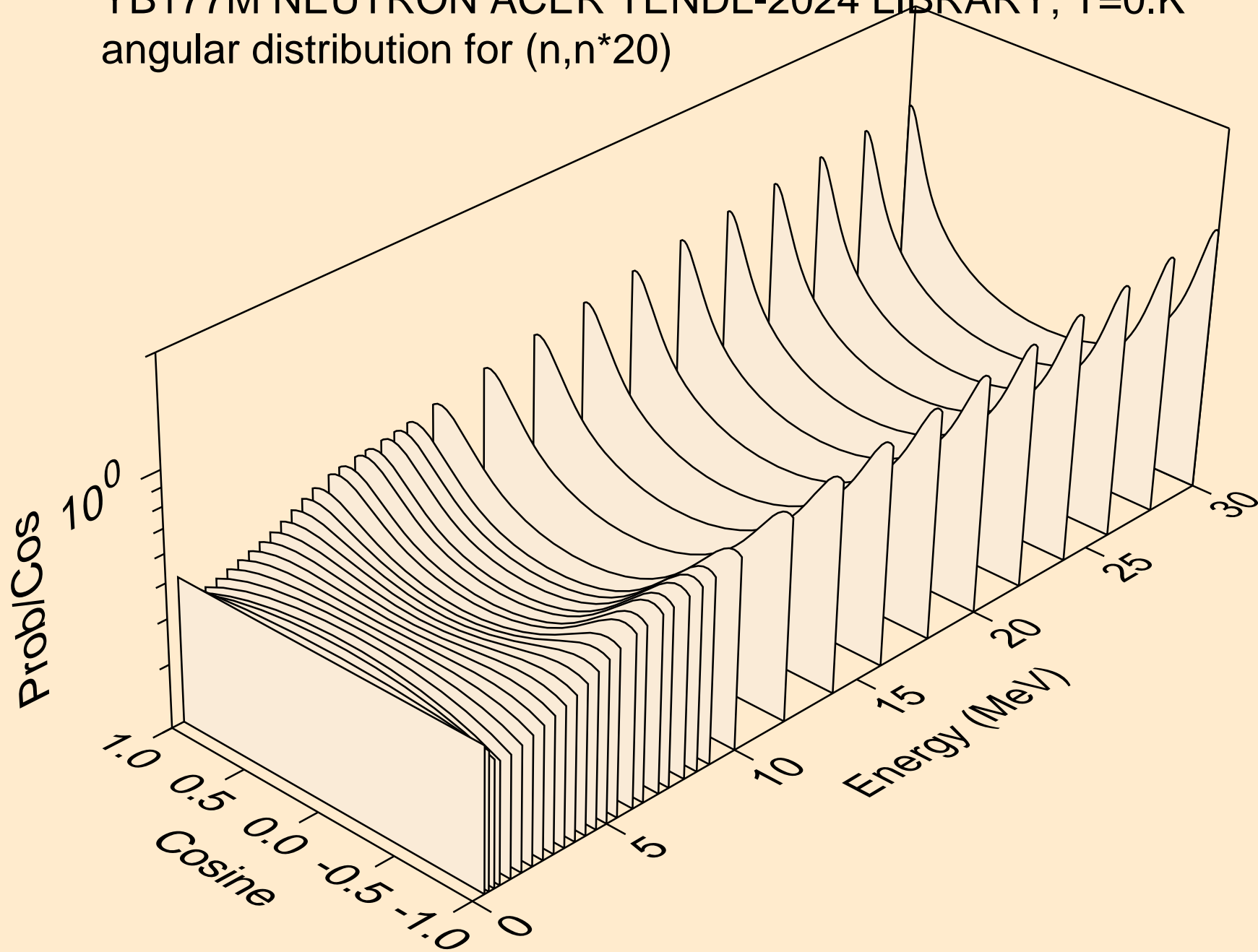
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angular distribution for (n,n\*18)



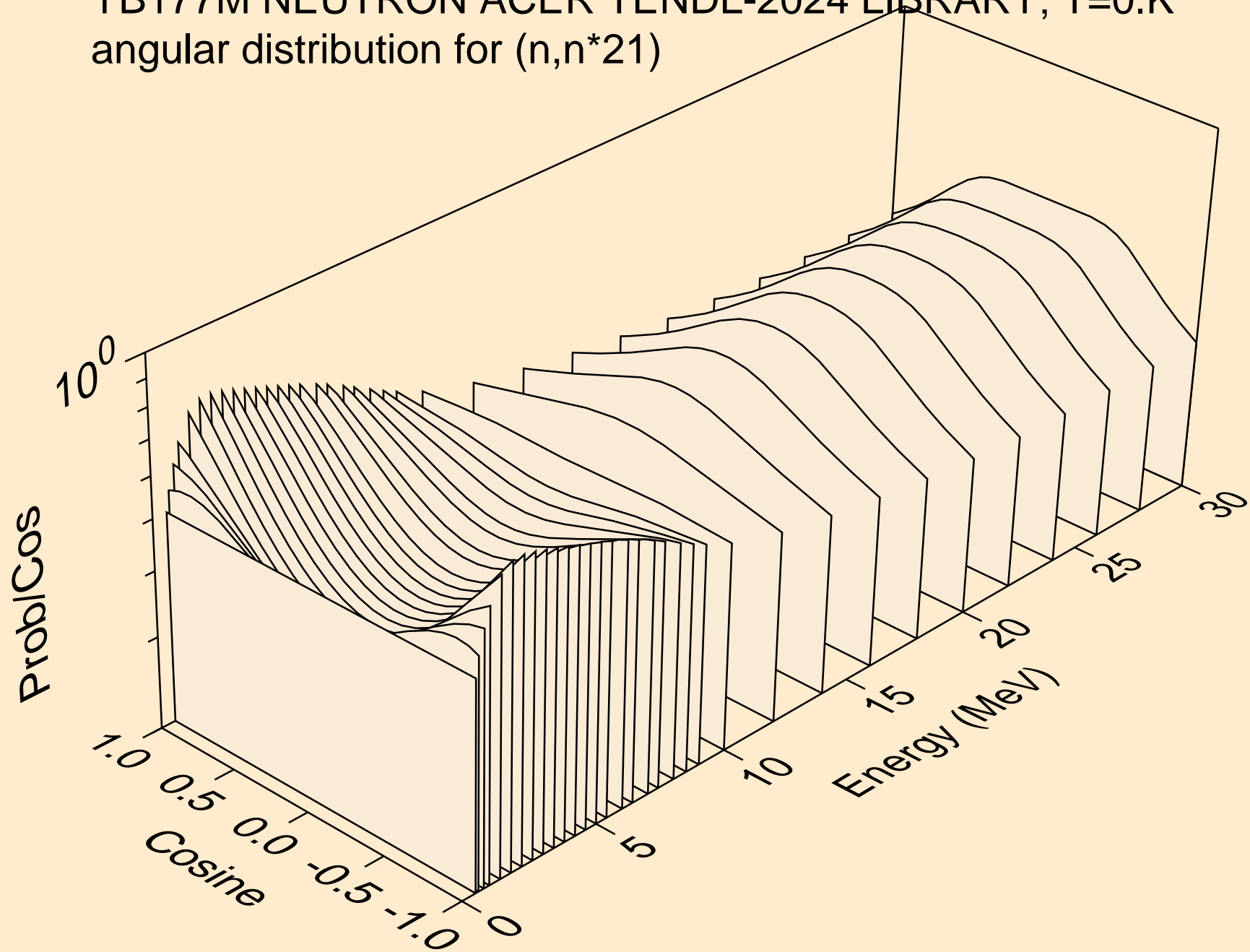
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*20)

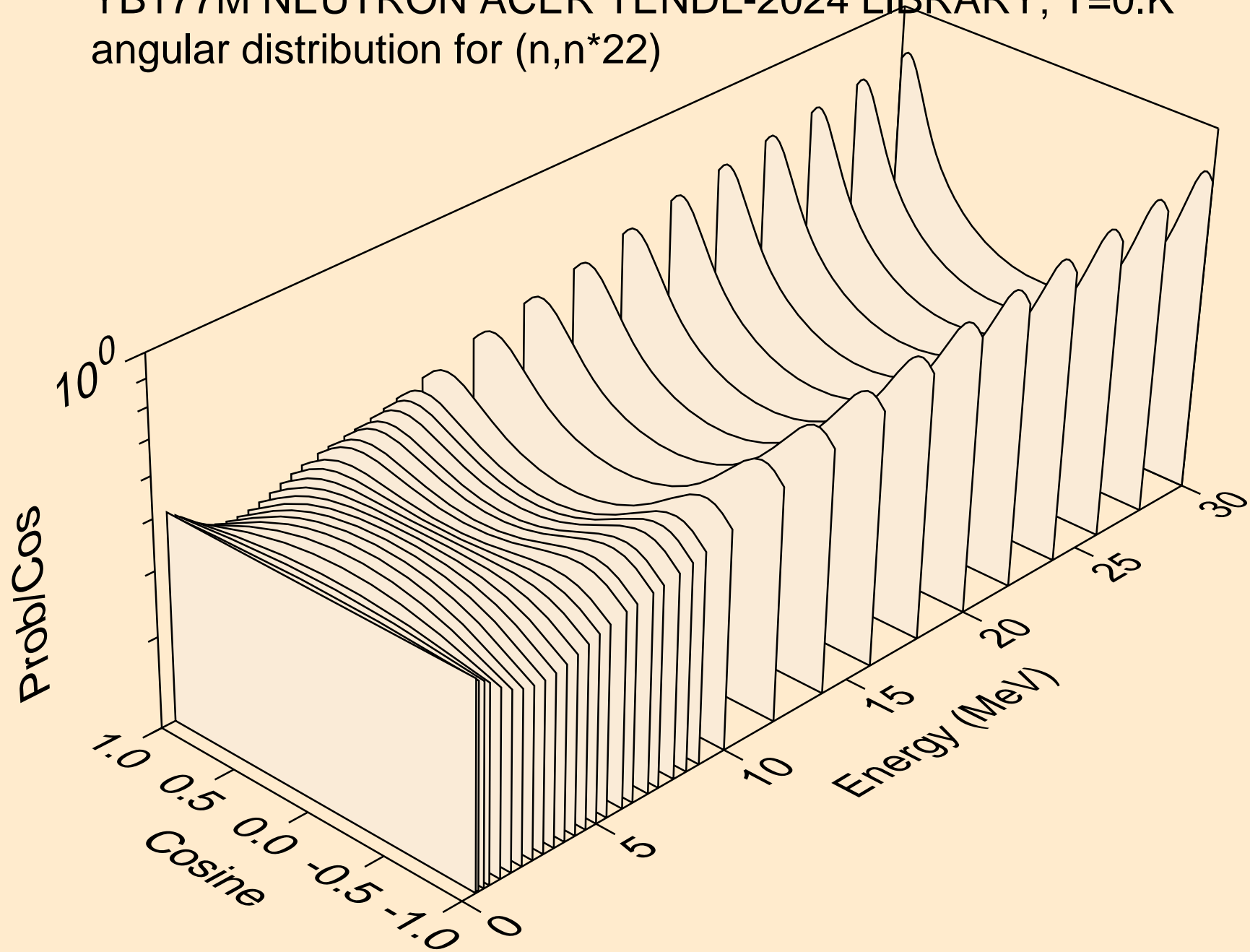


YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*21)

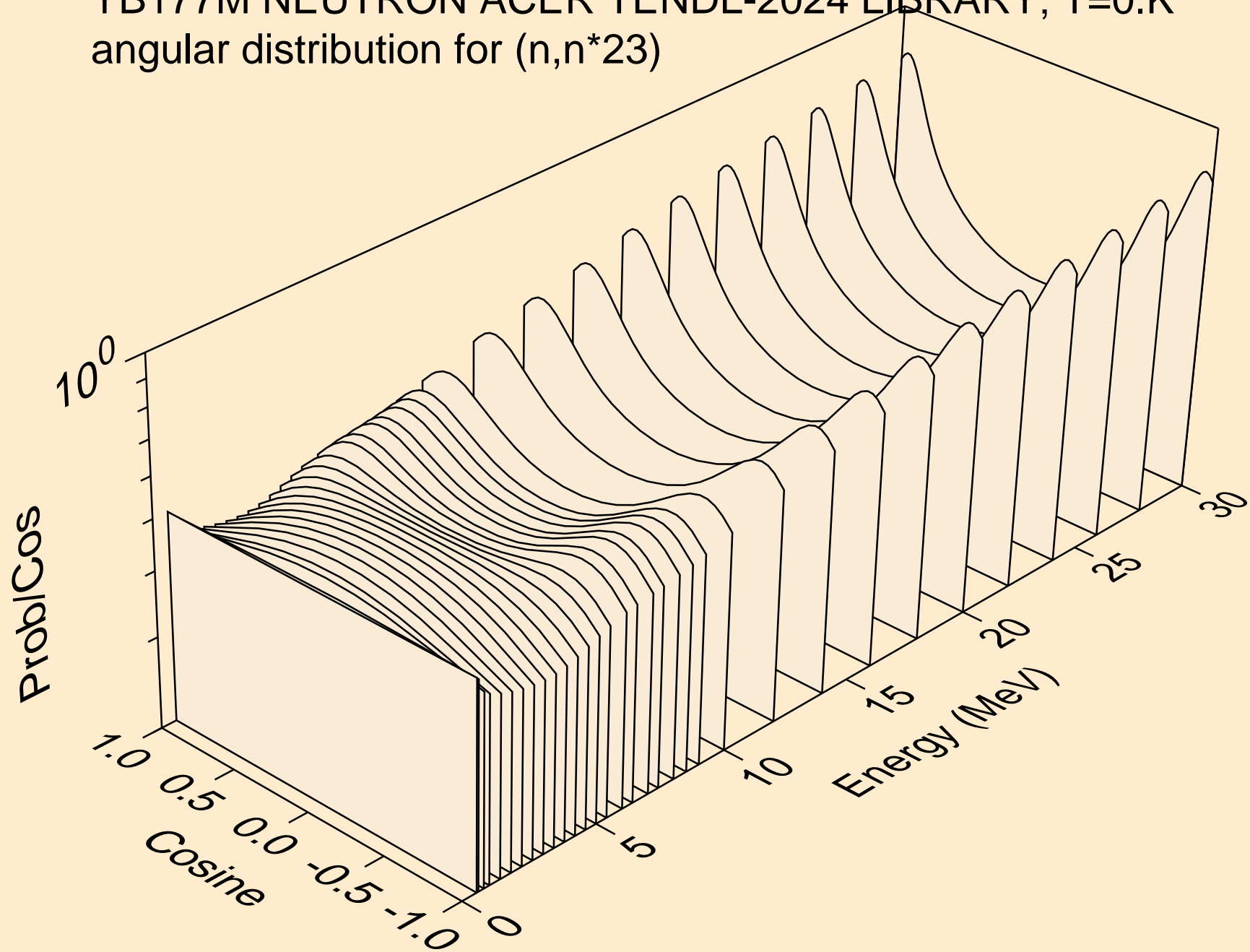




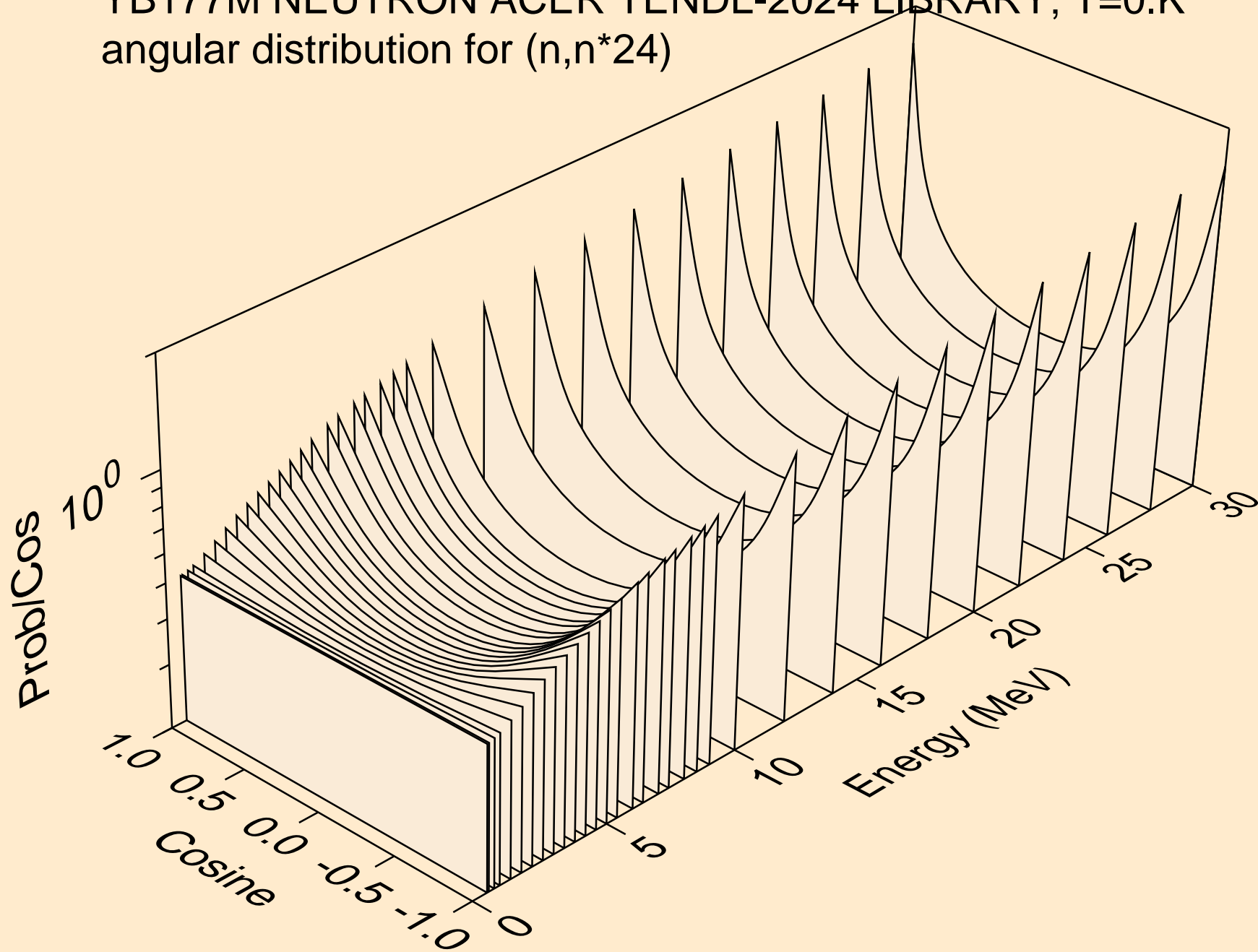
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*22)



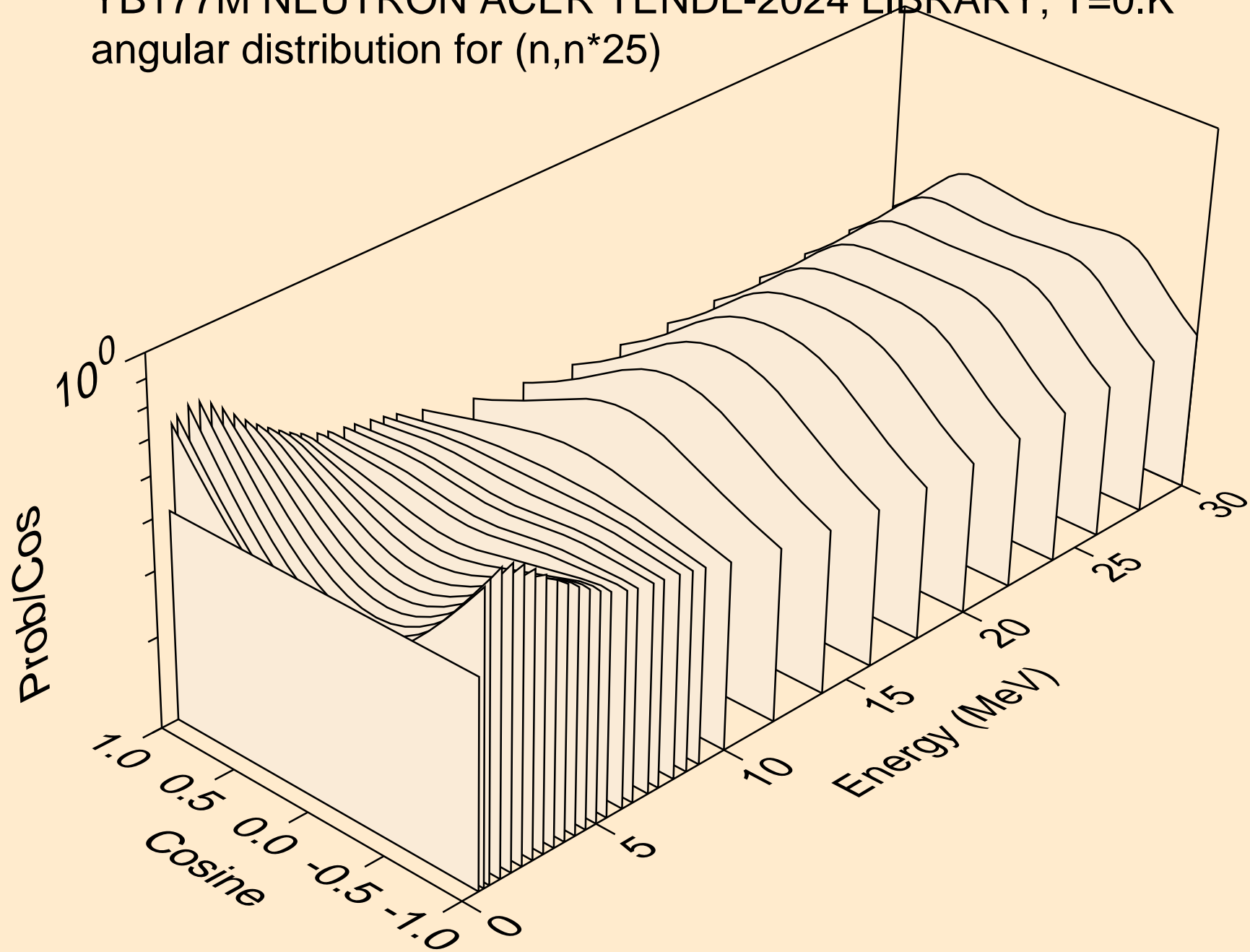
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*23)



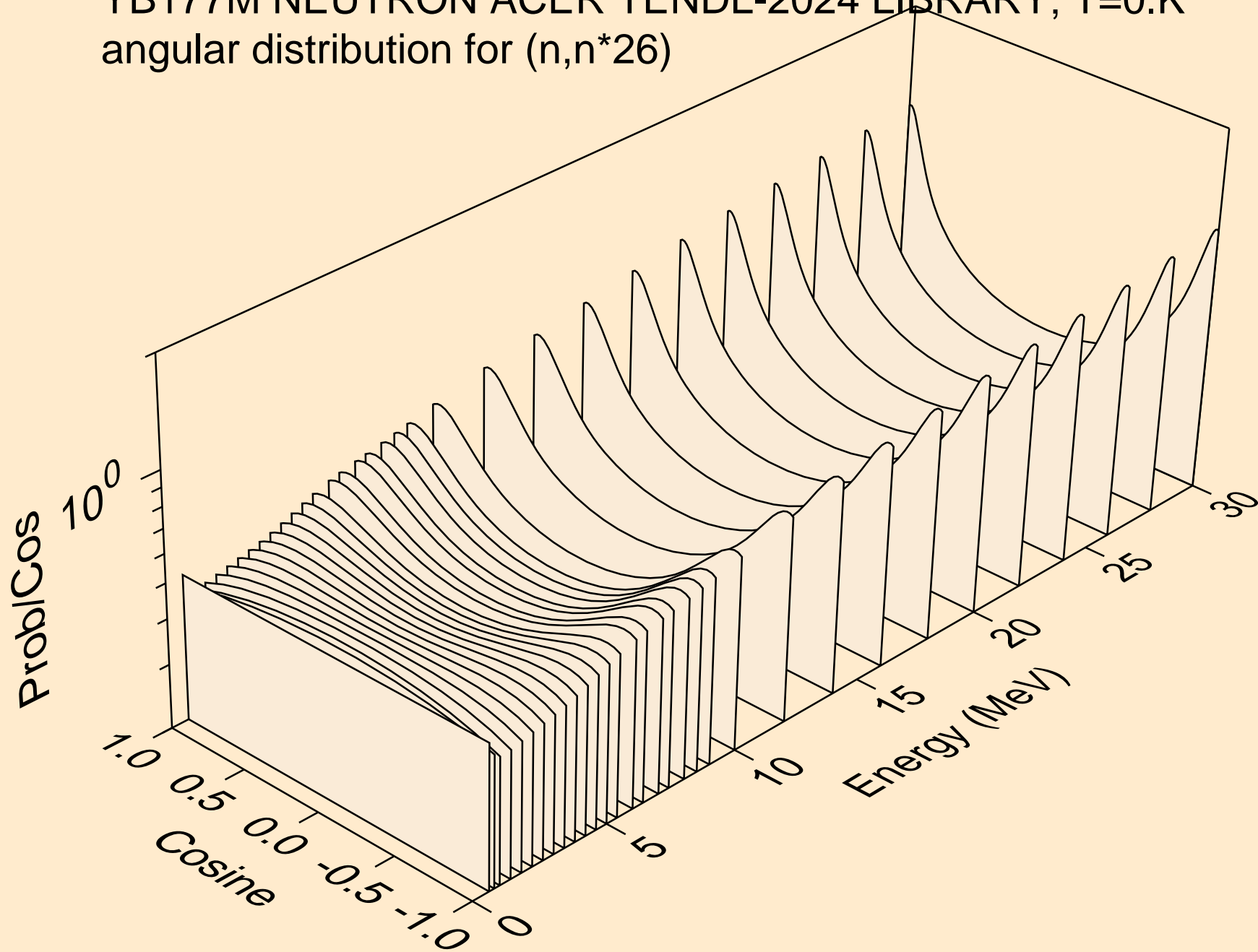
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*24)



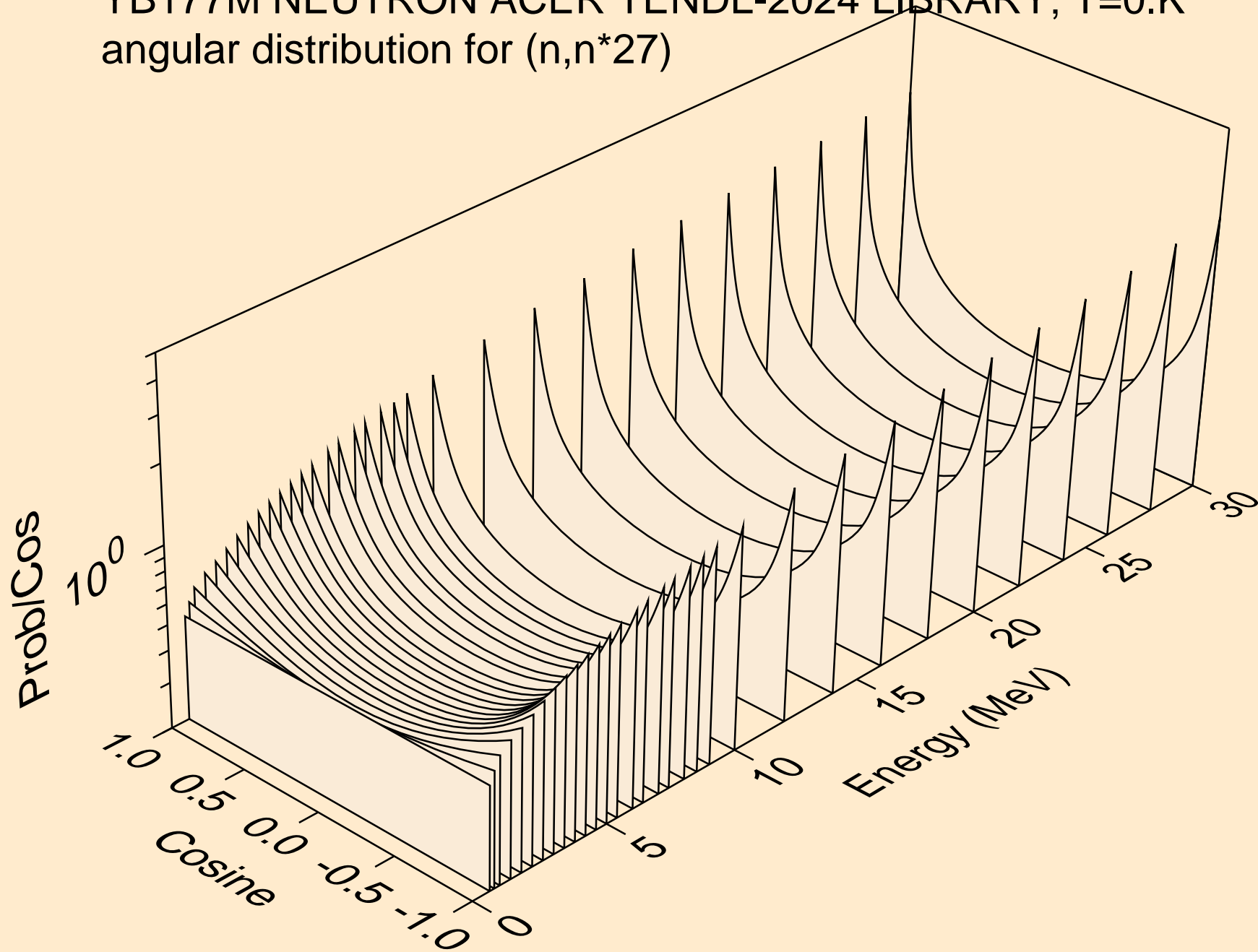
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*25)



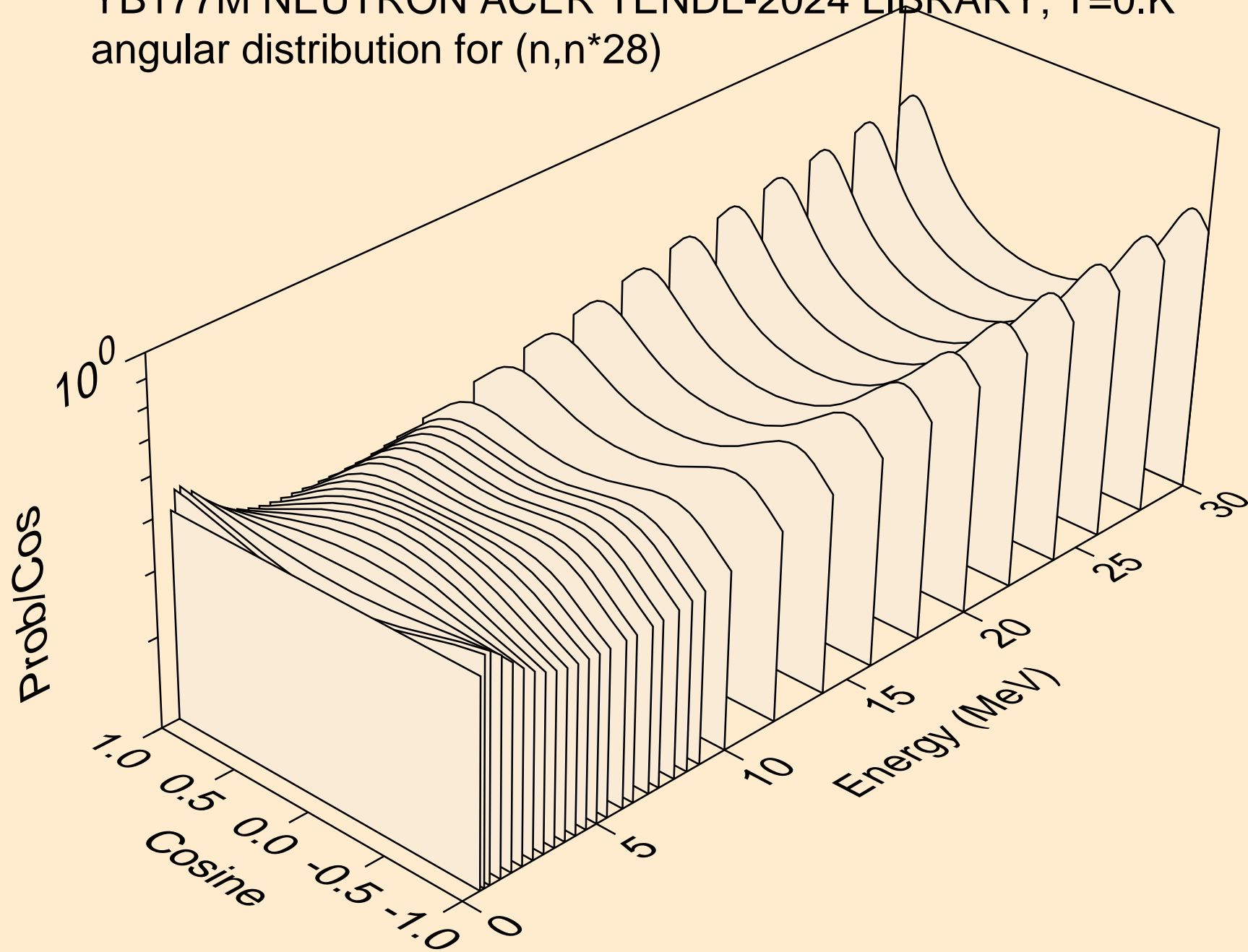
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



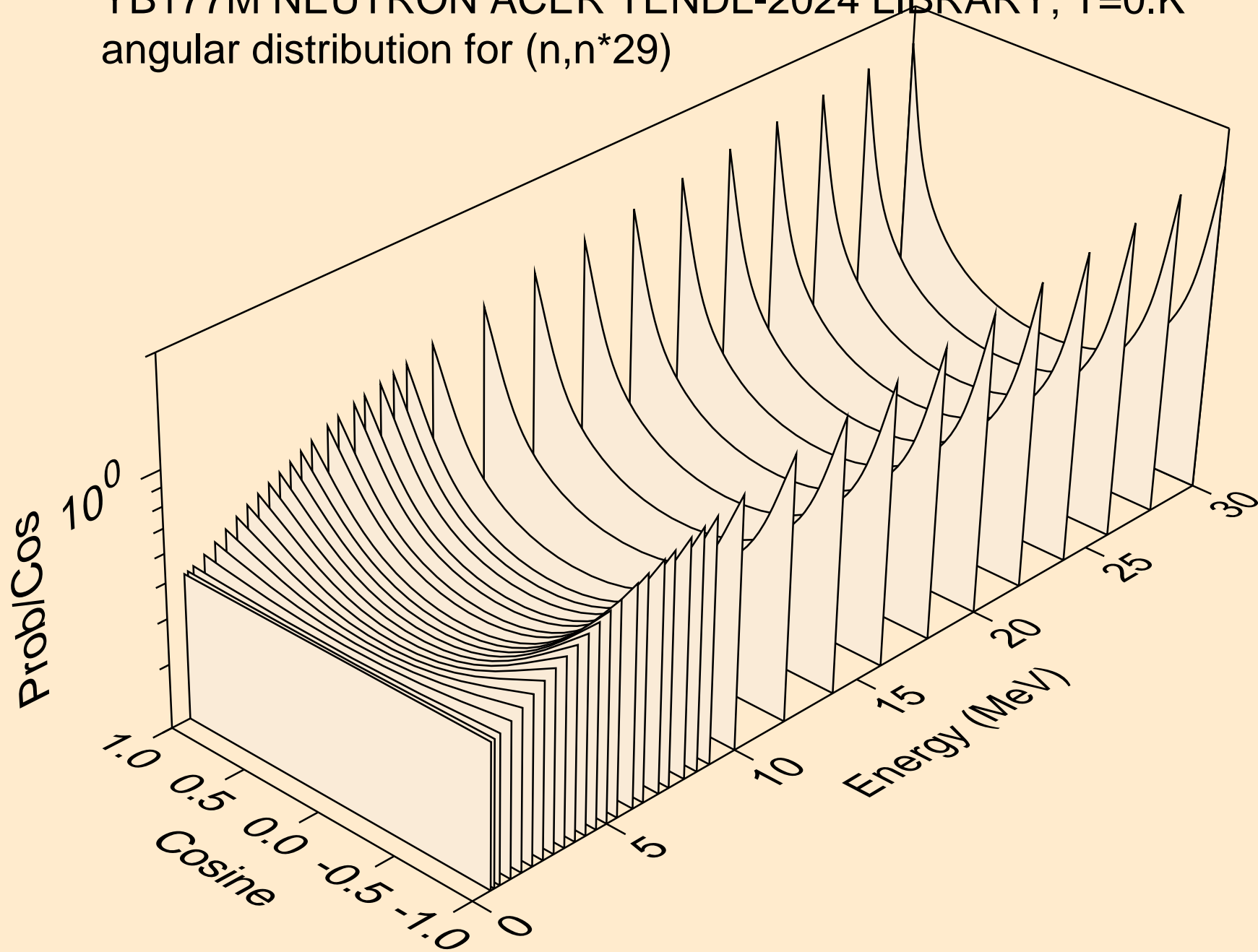
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*28)

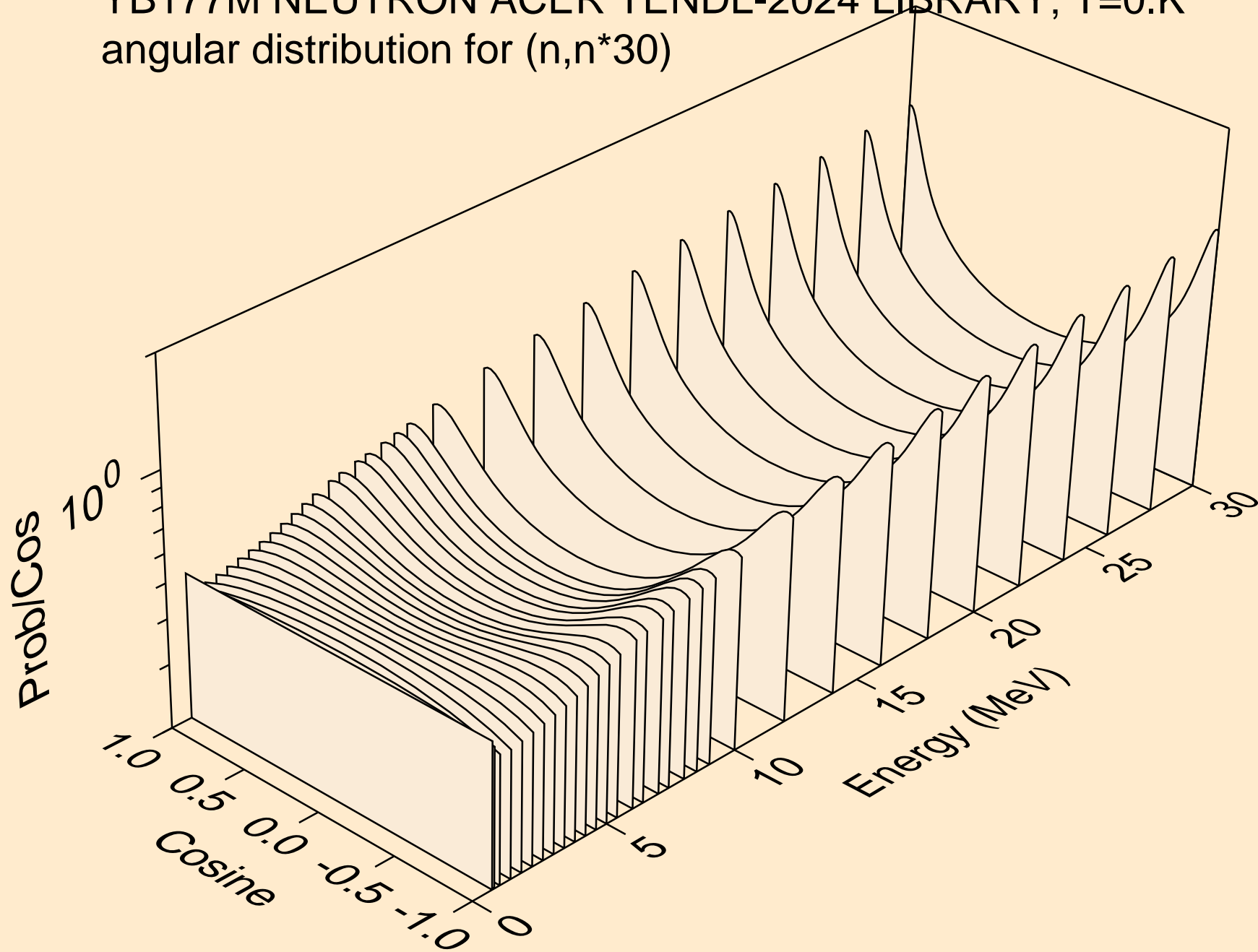


YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*29)

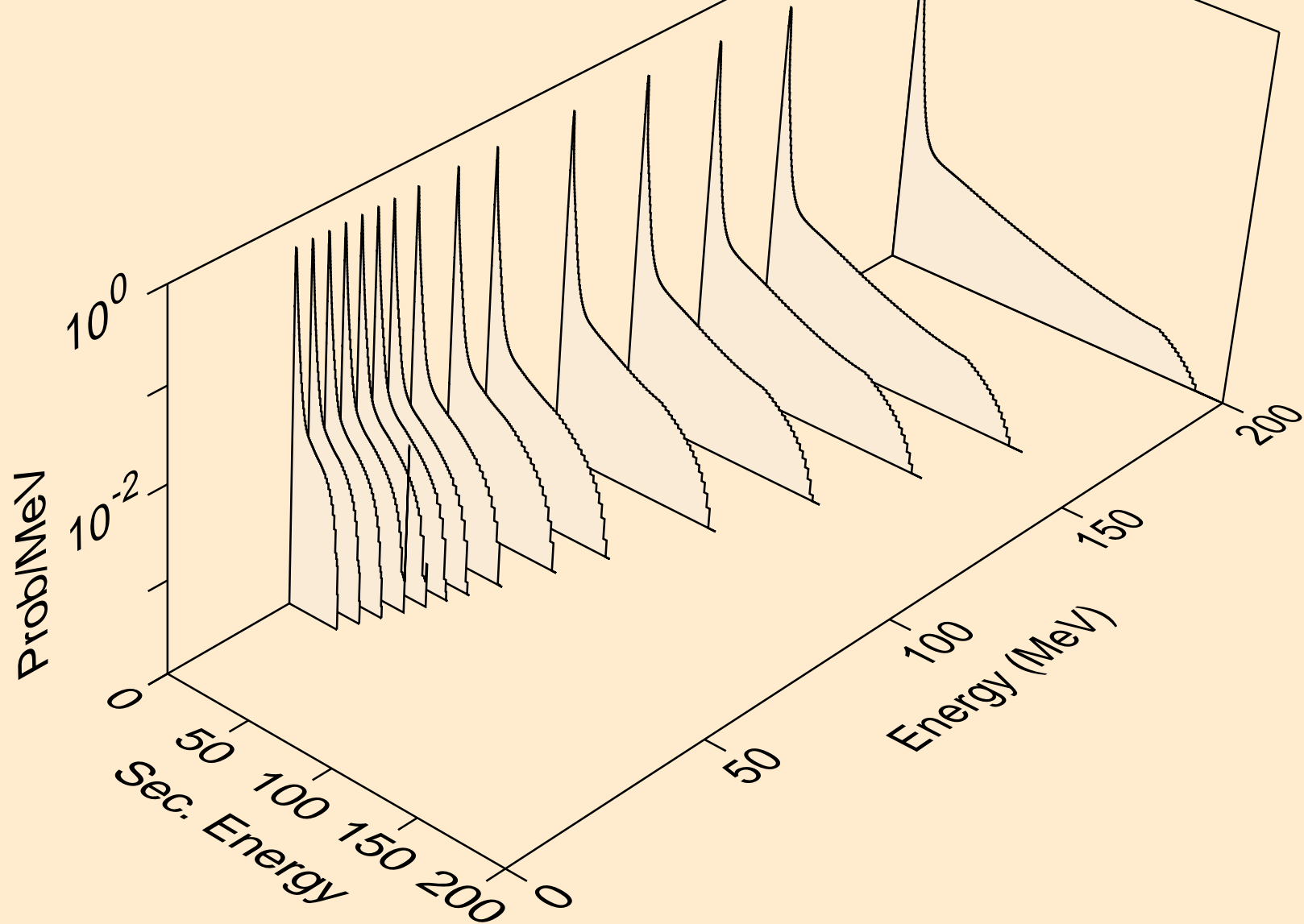




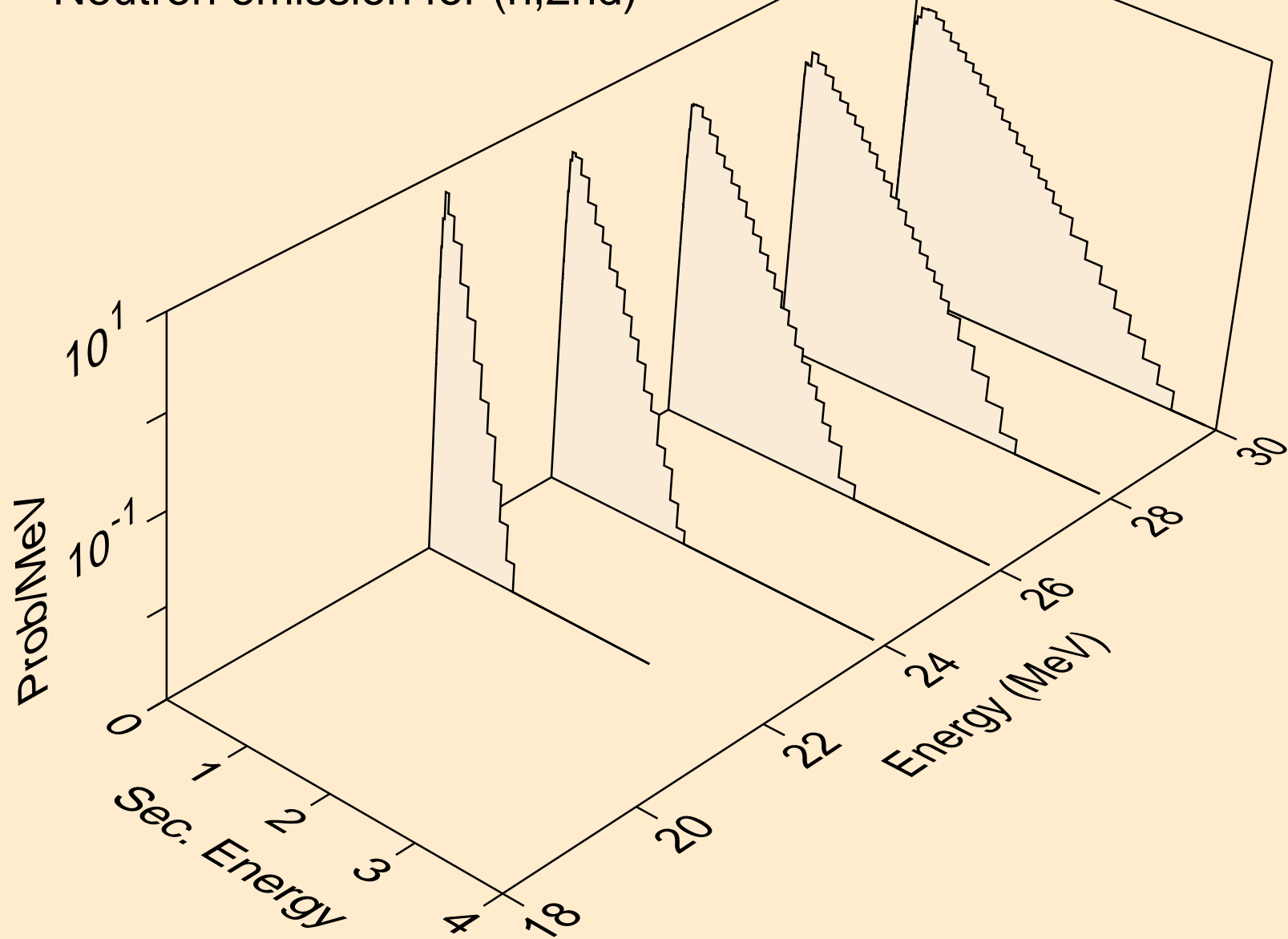
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*30)



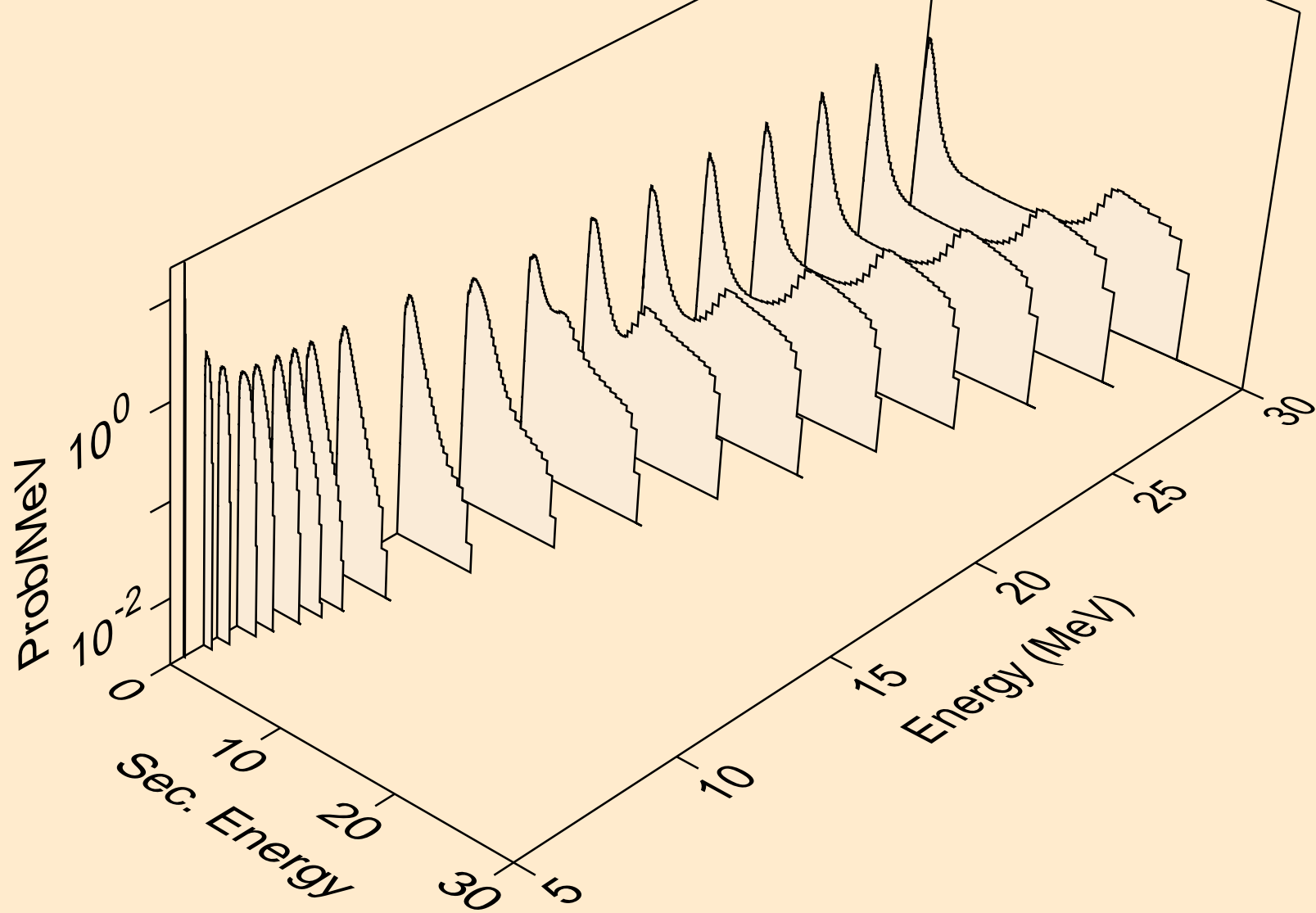
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



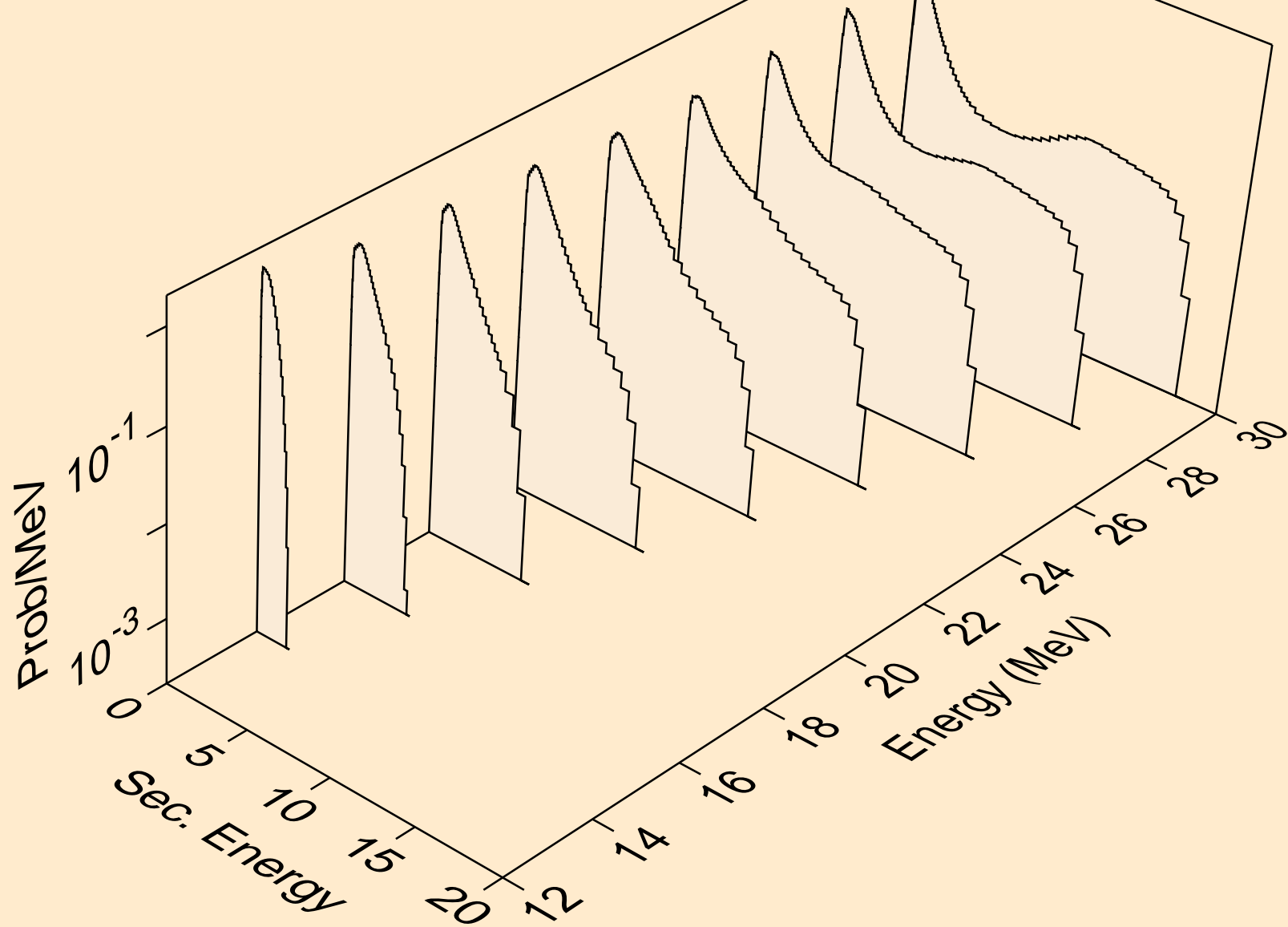
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



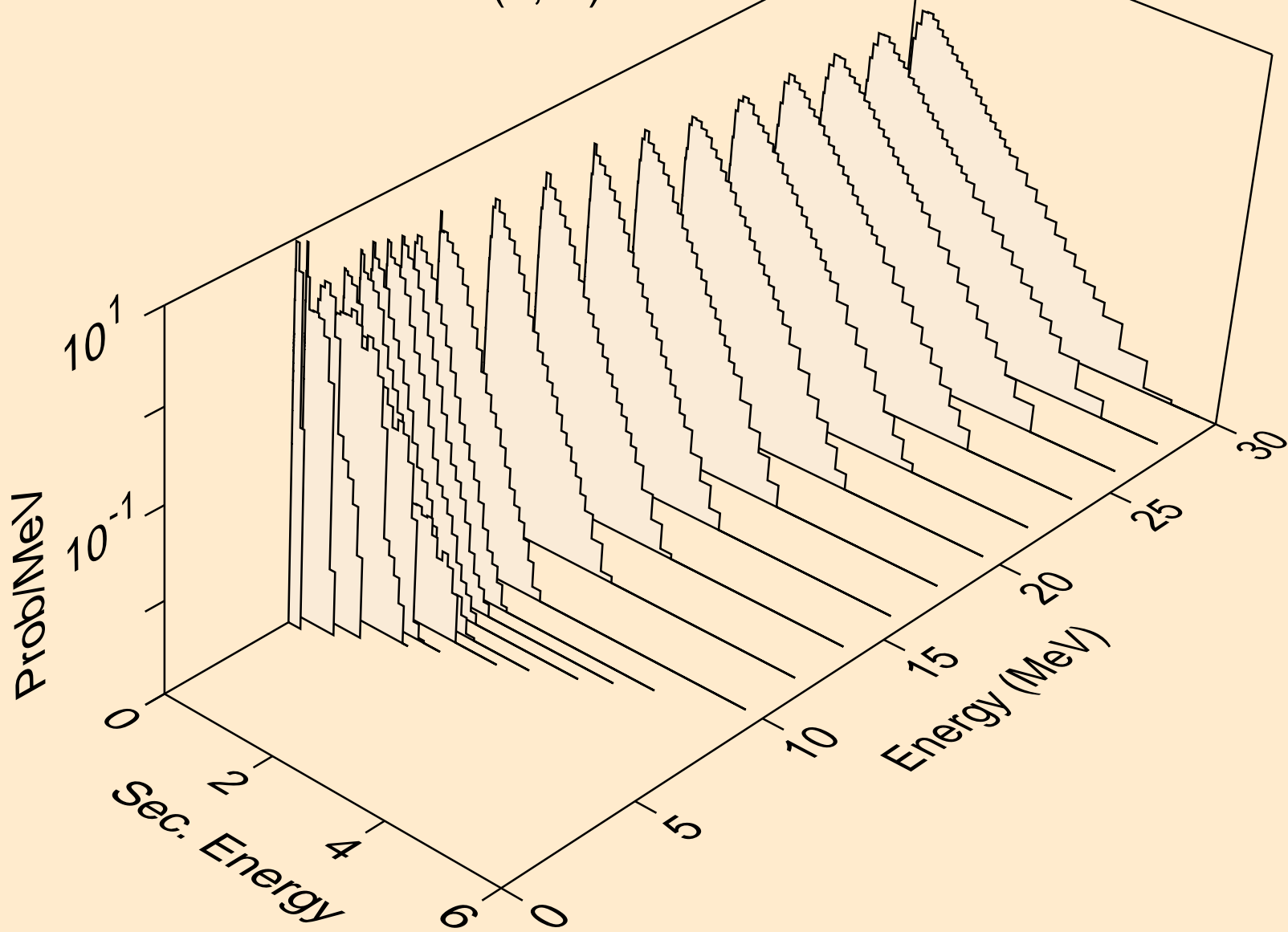
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



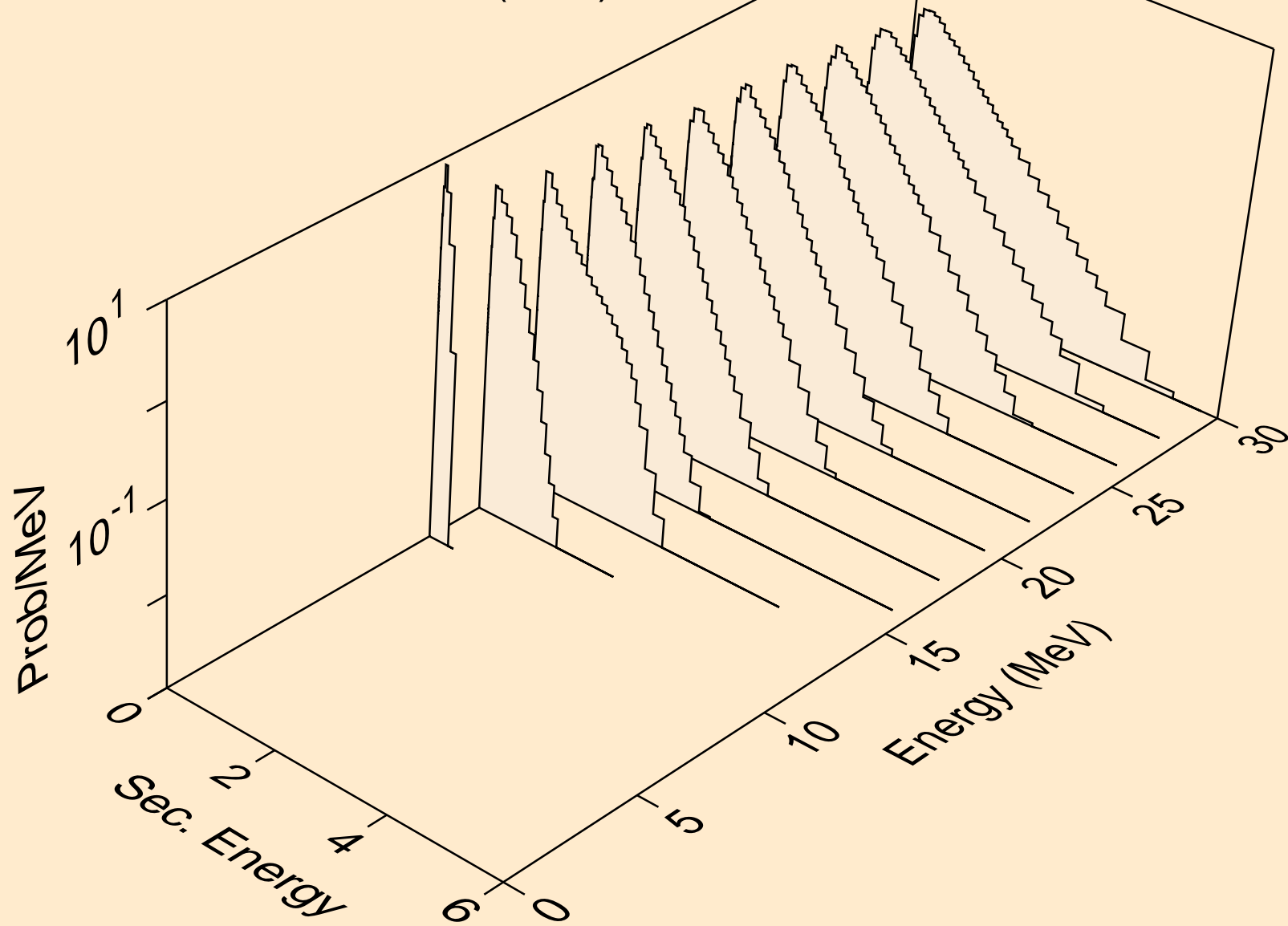
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



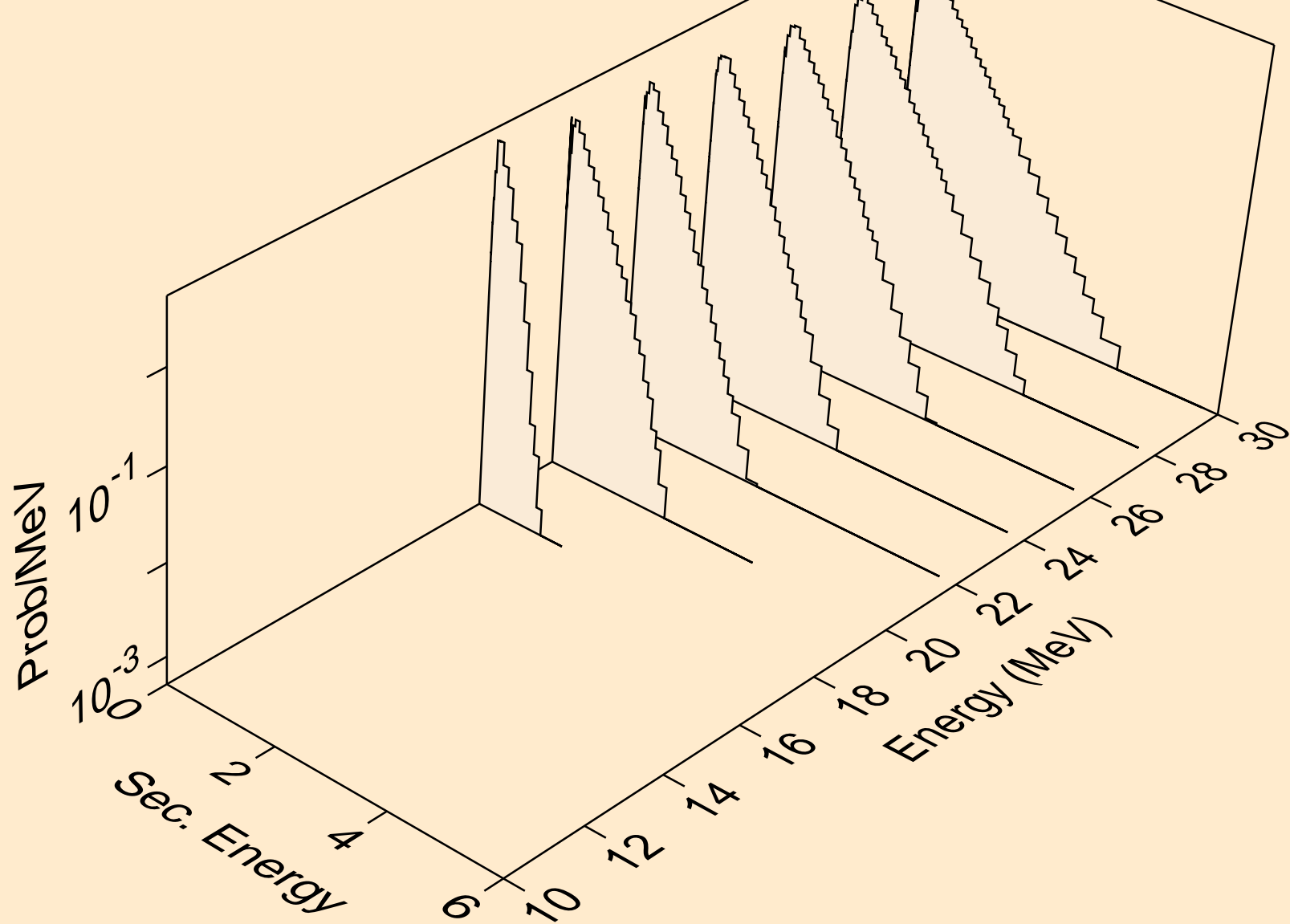
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a

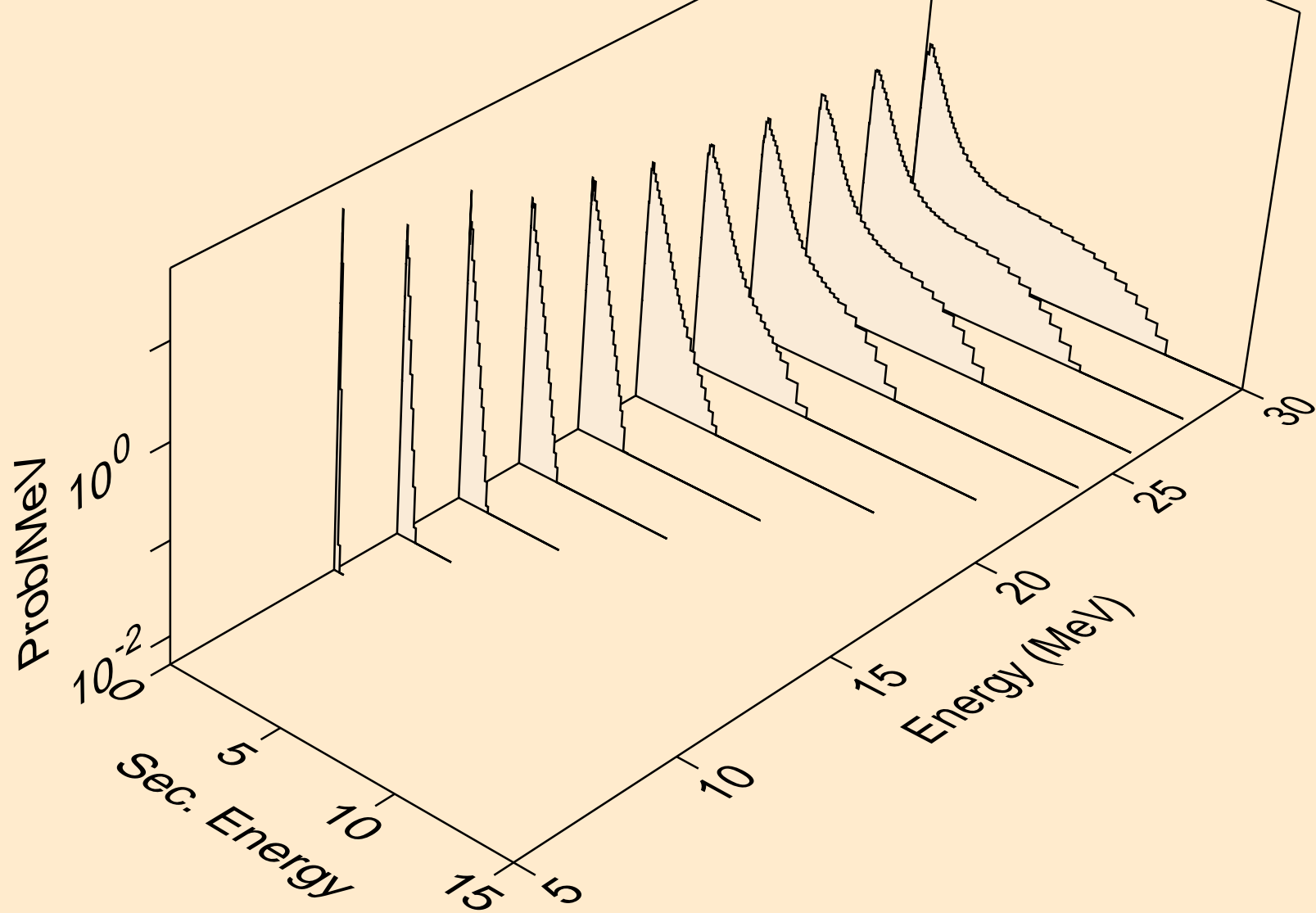


YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a

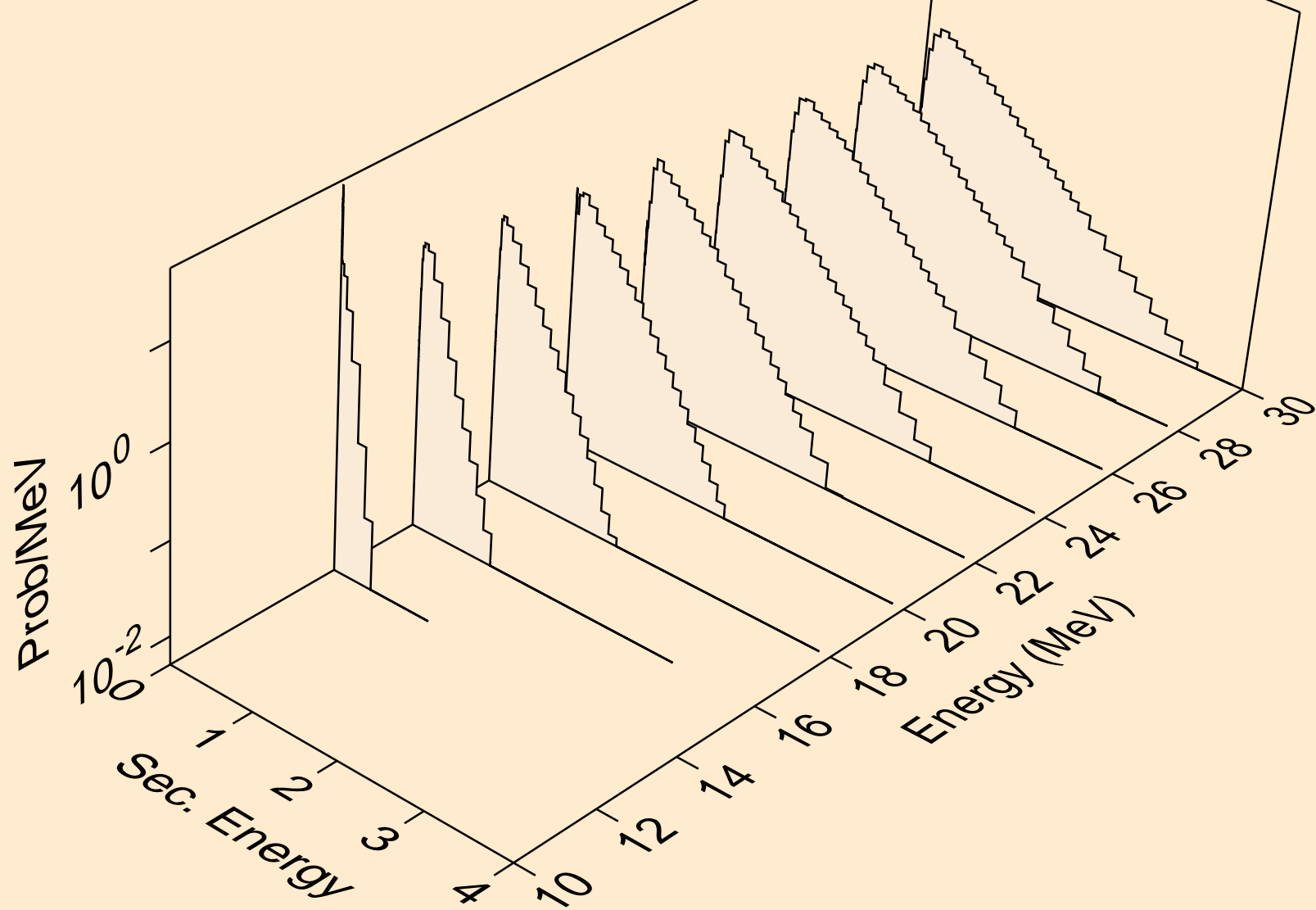




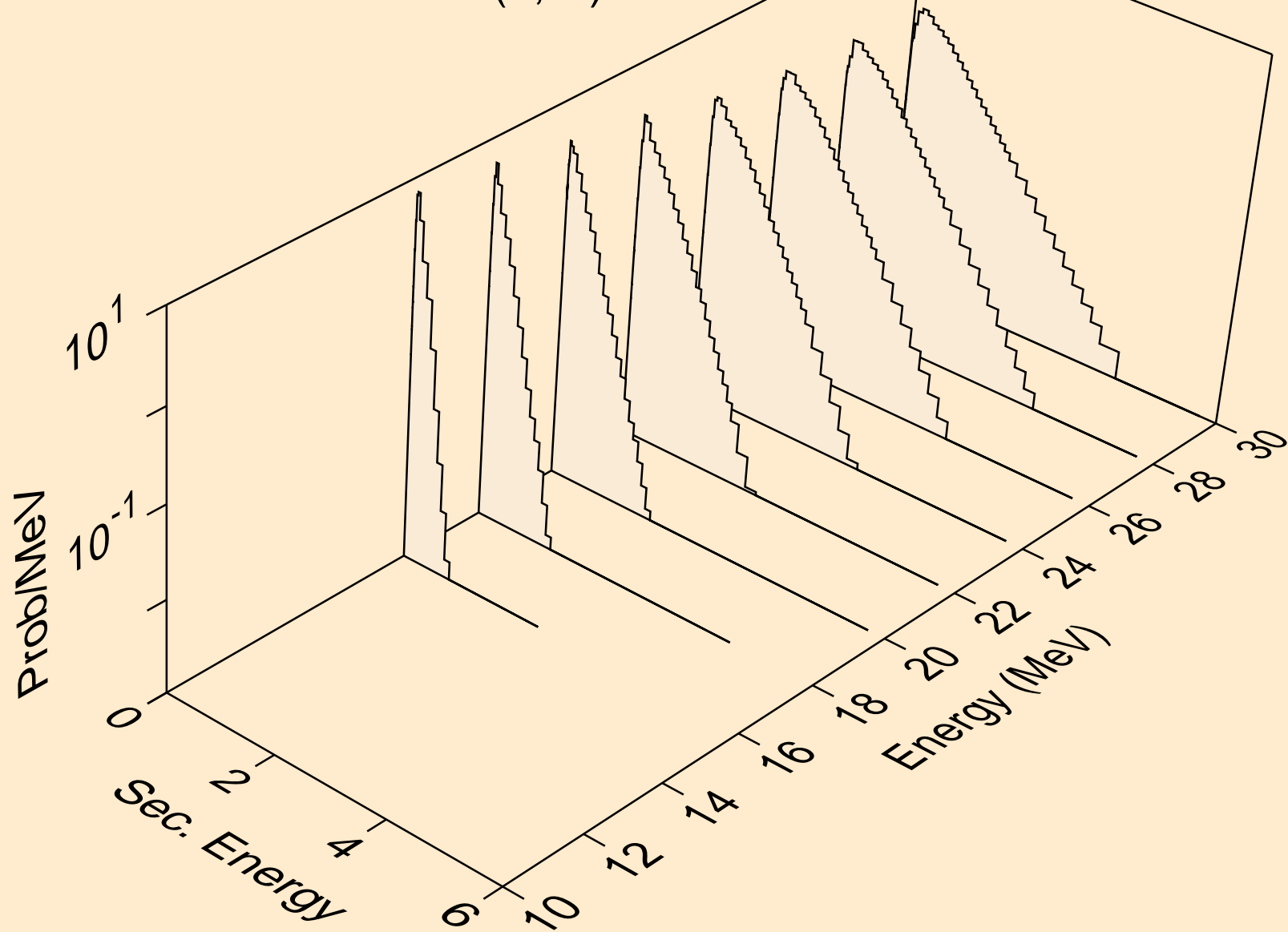
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



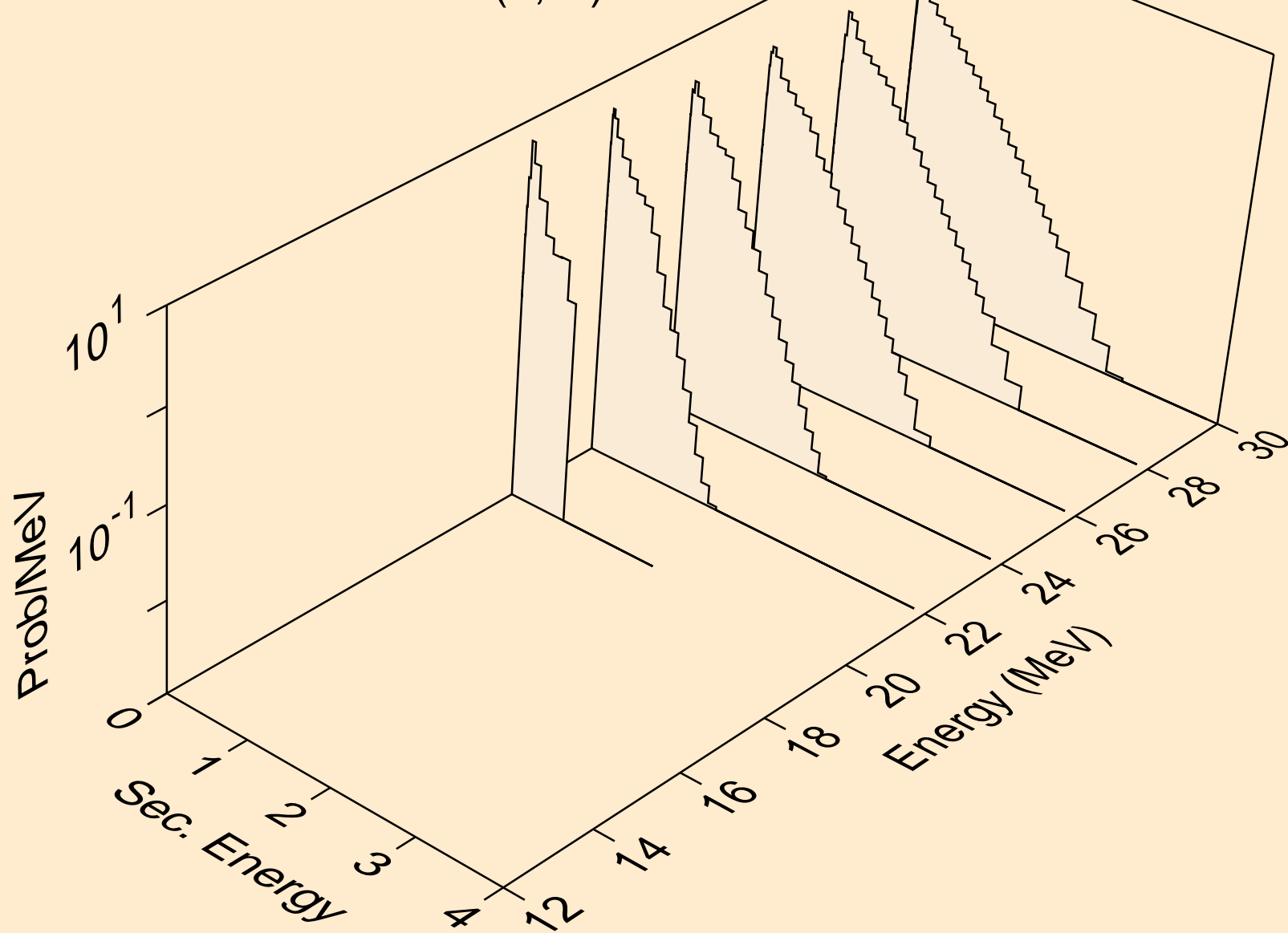
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



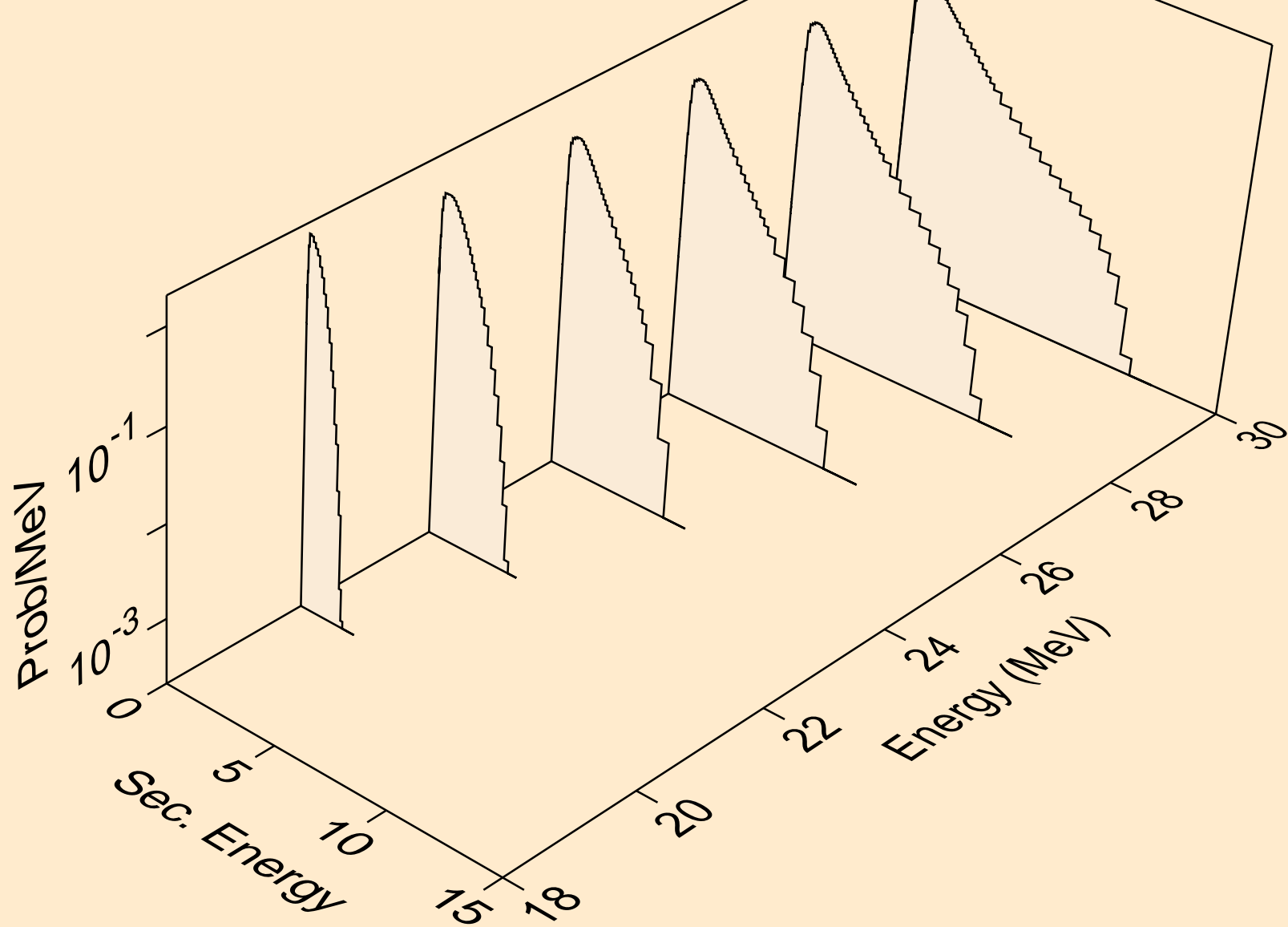
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



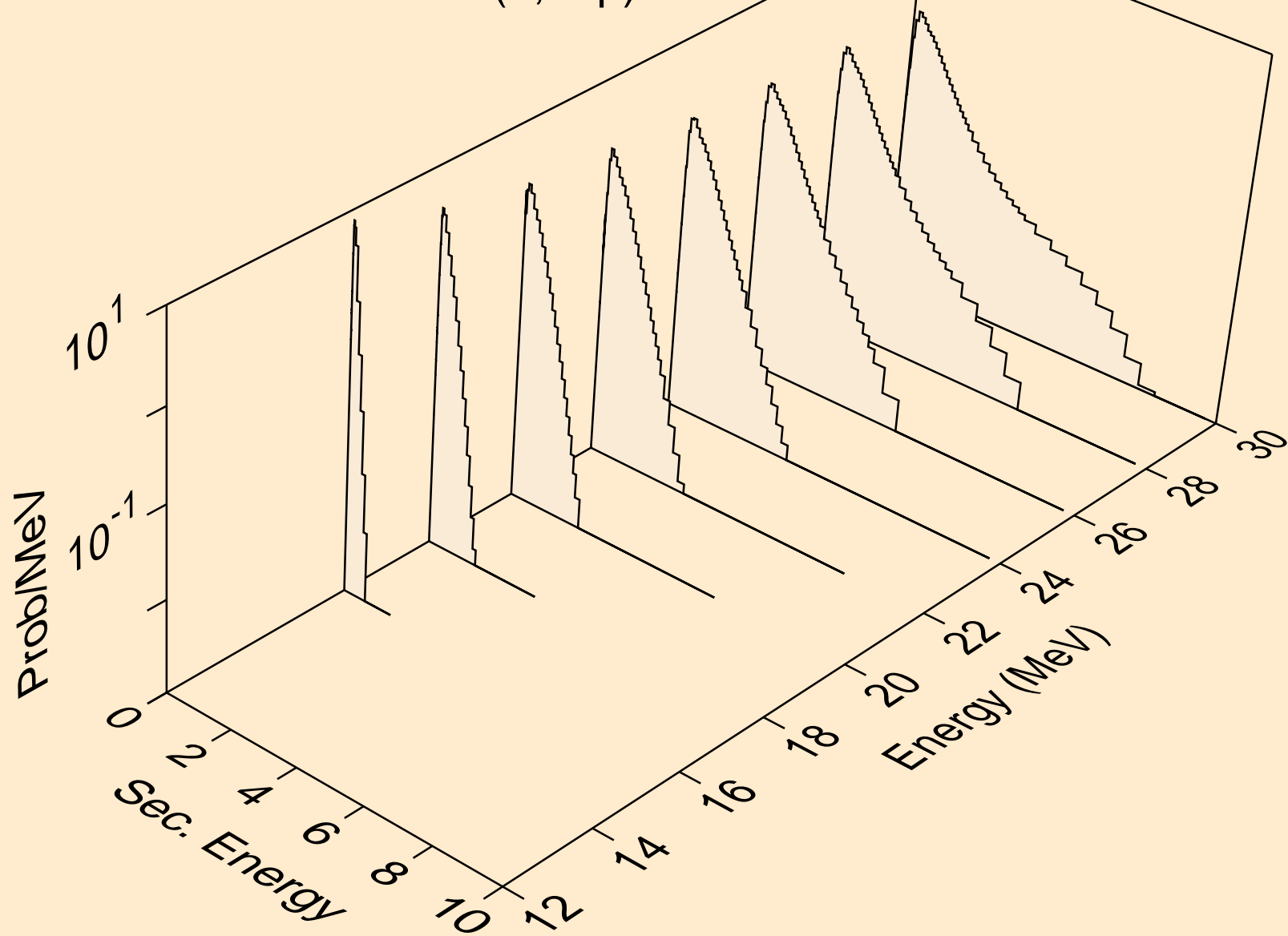
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



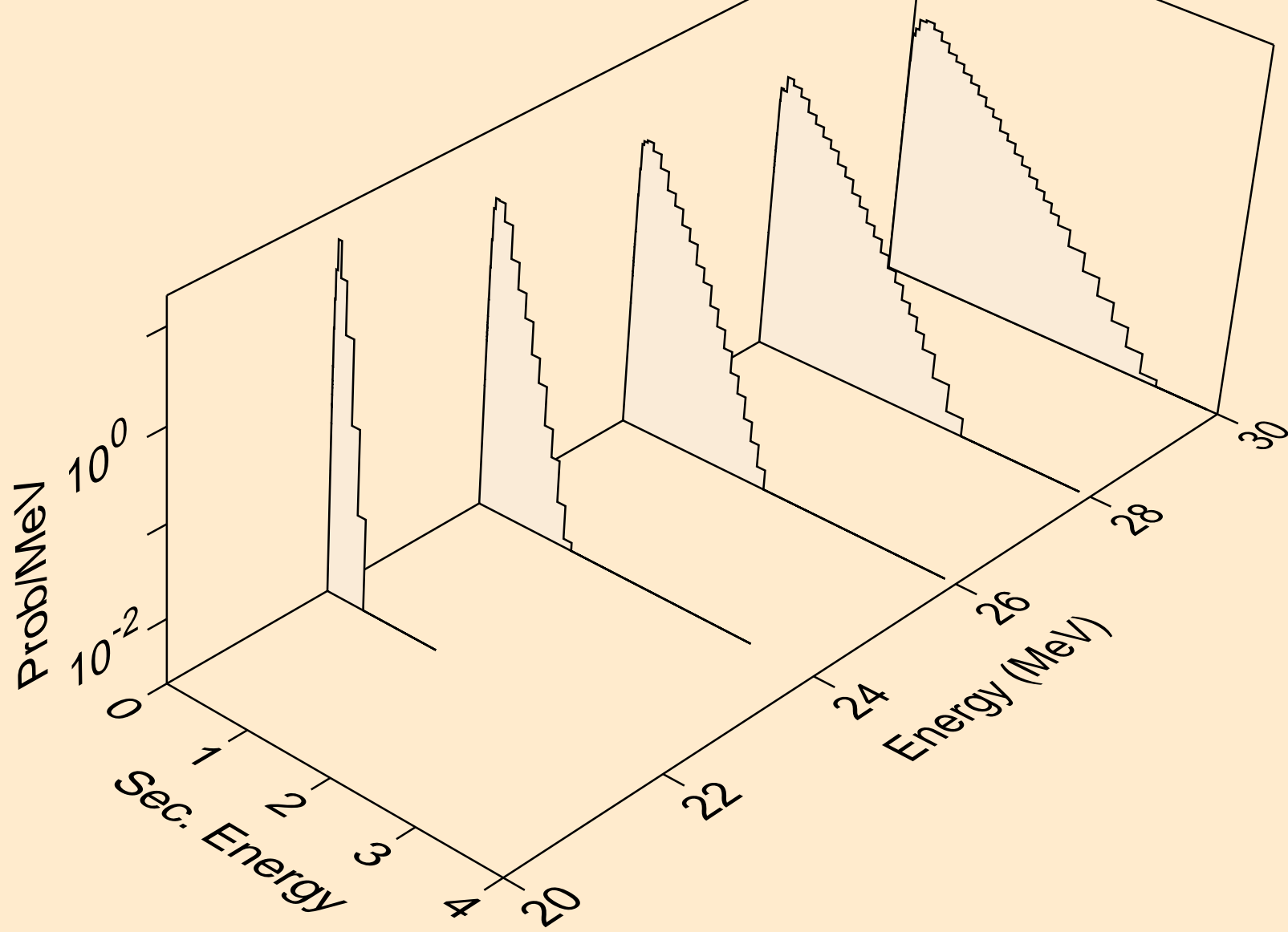
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)



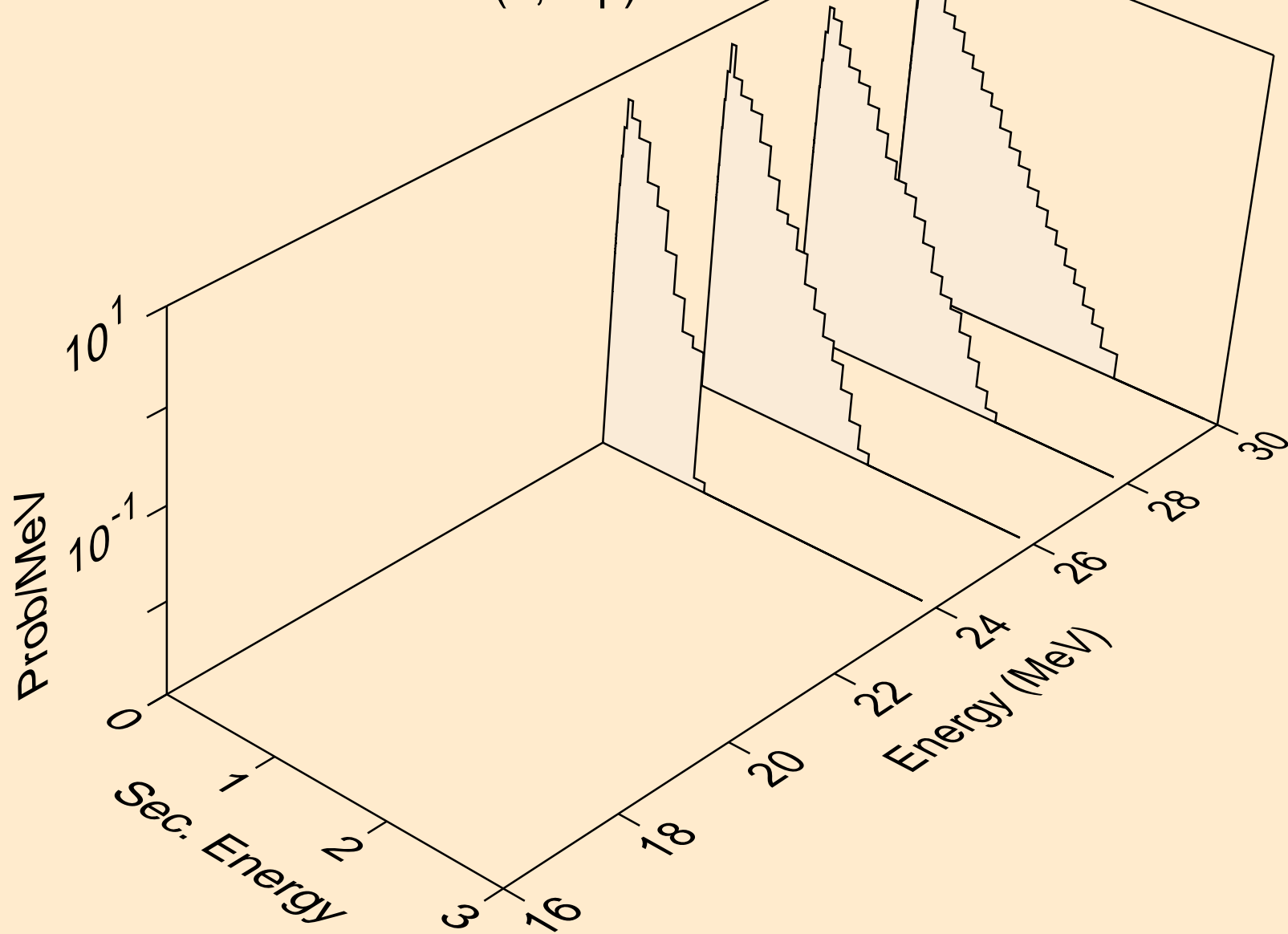
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)

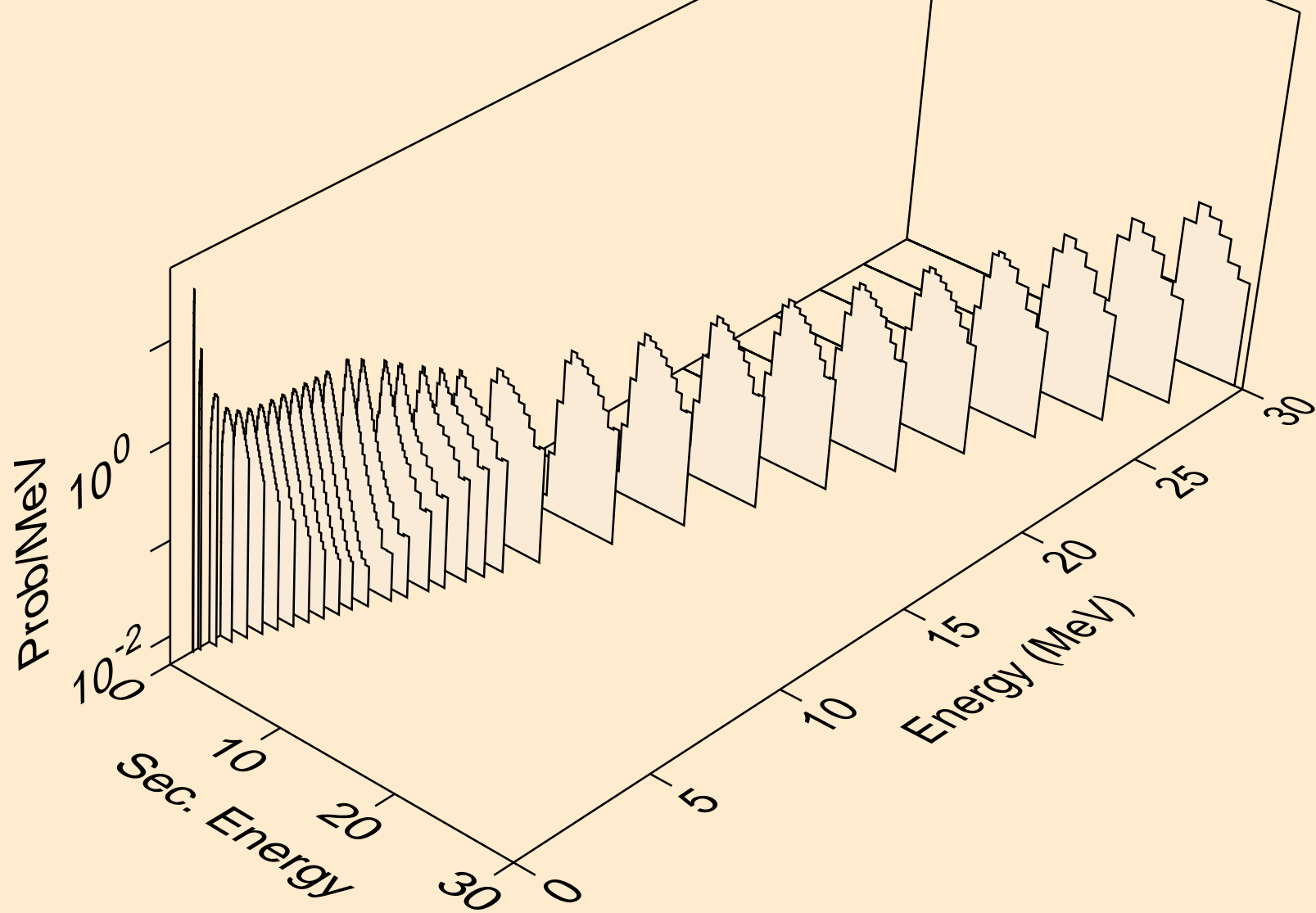


YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)

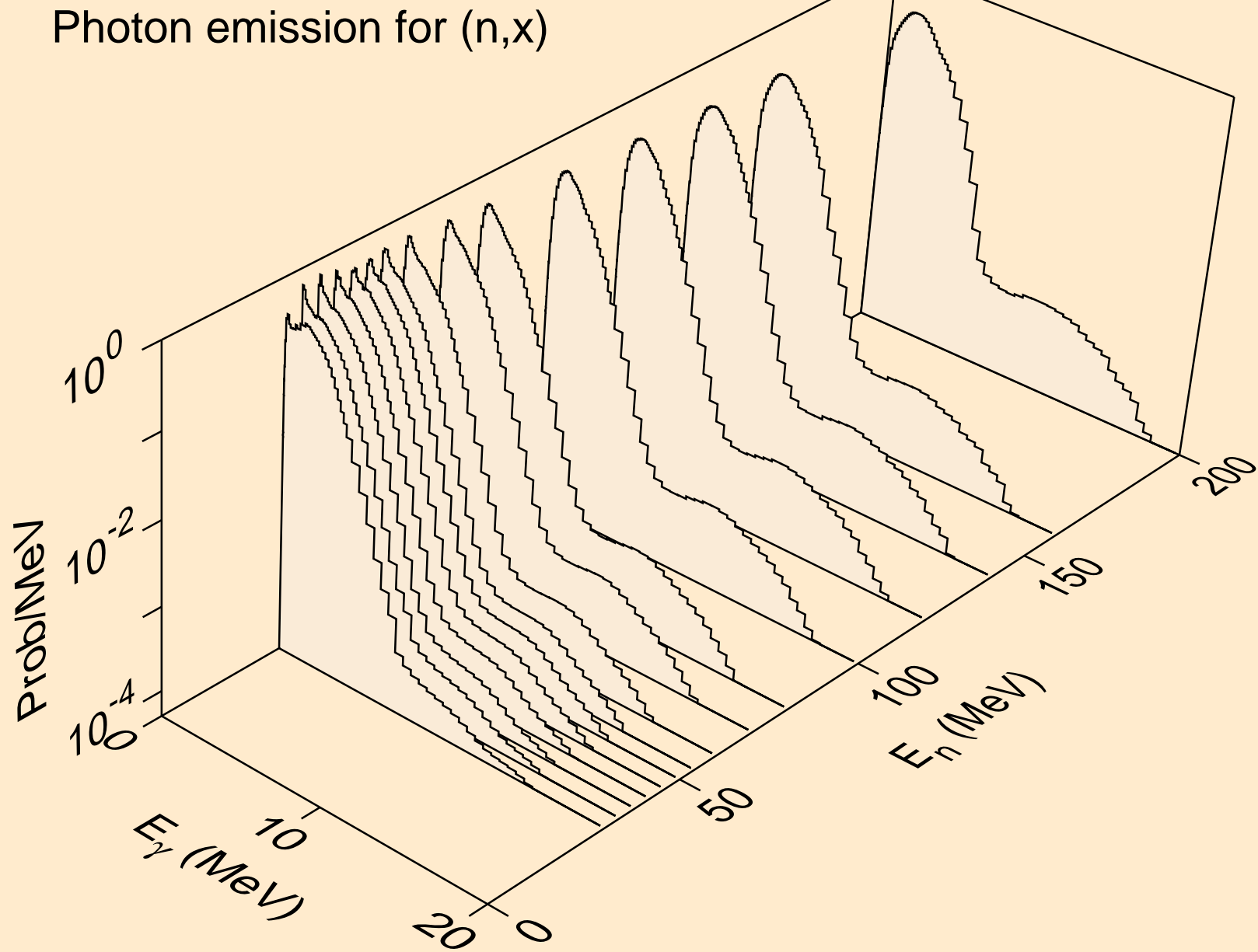




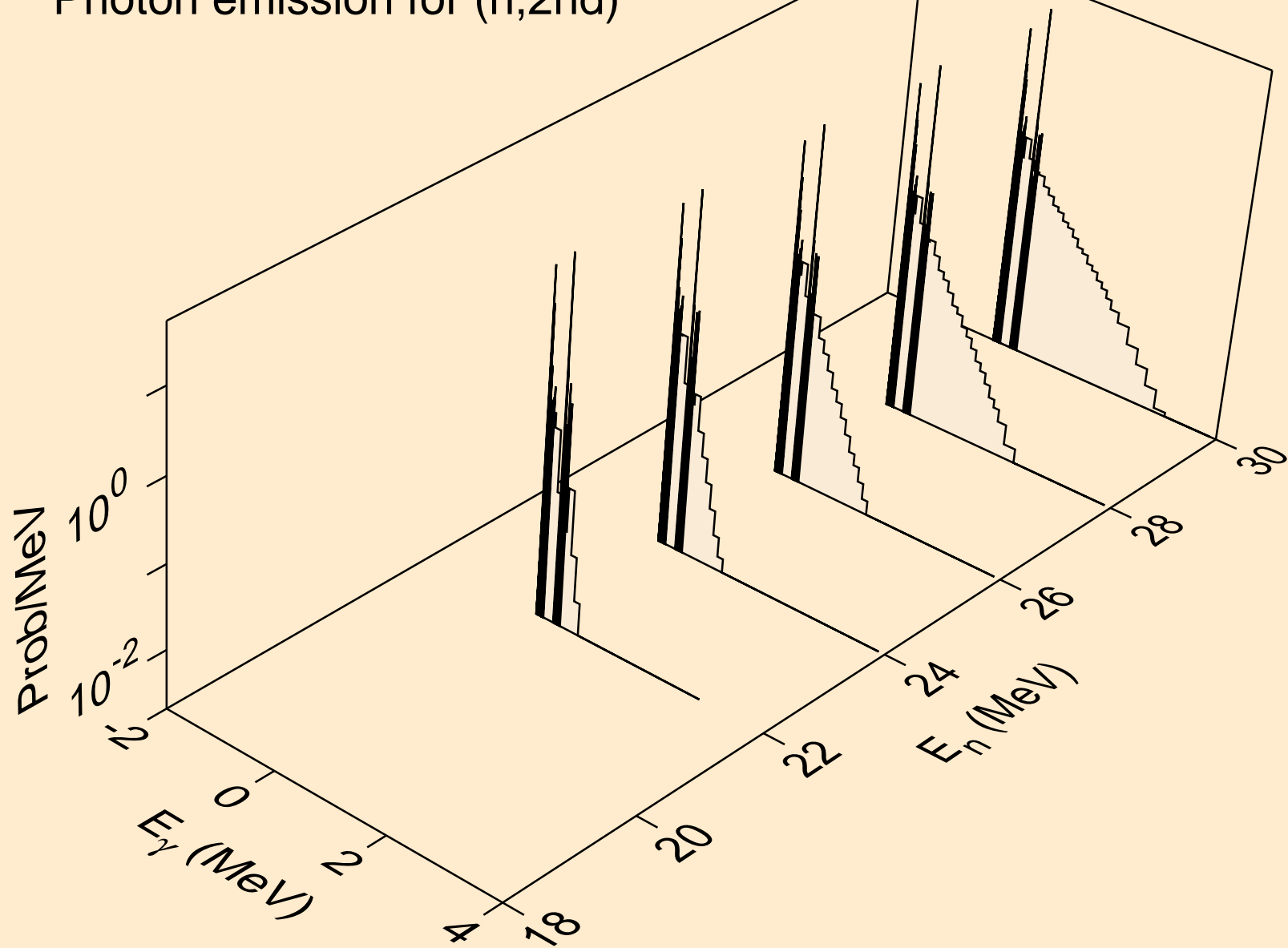
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Neutron emission for (n,n\*c)



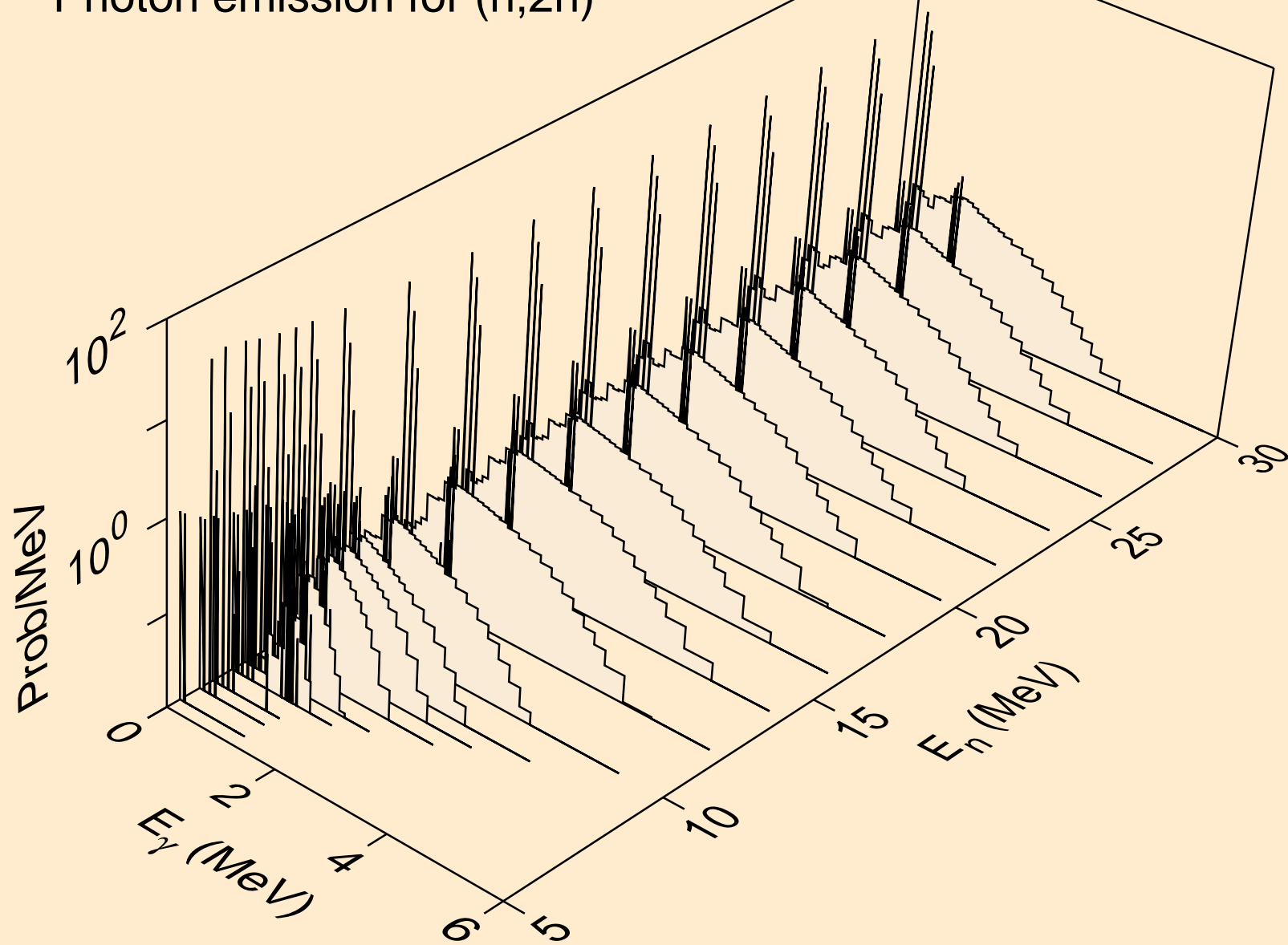
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Photon emission for (n,x)



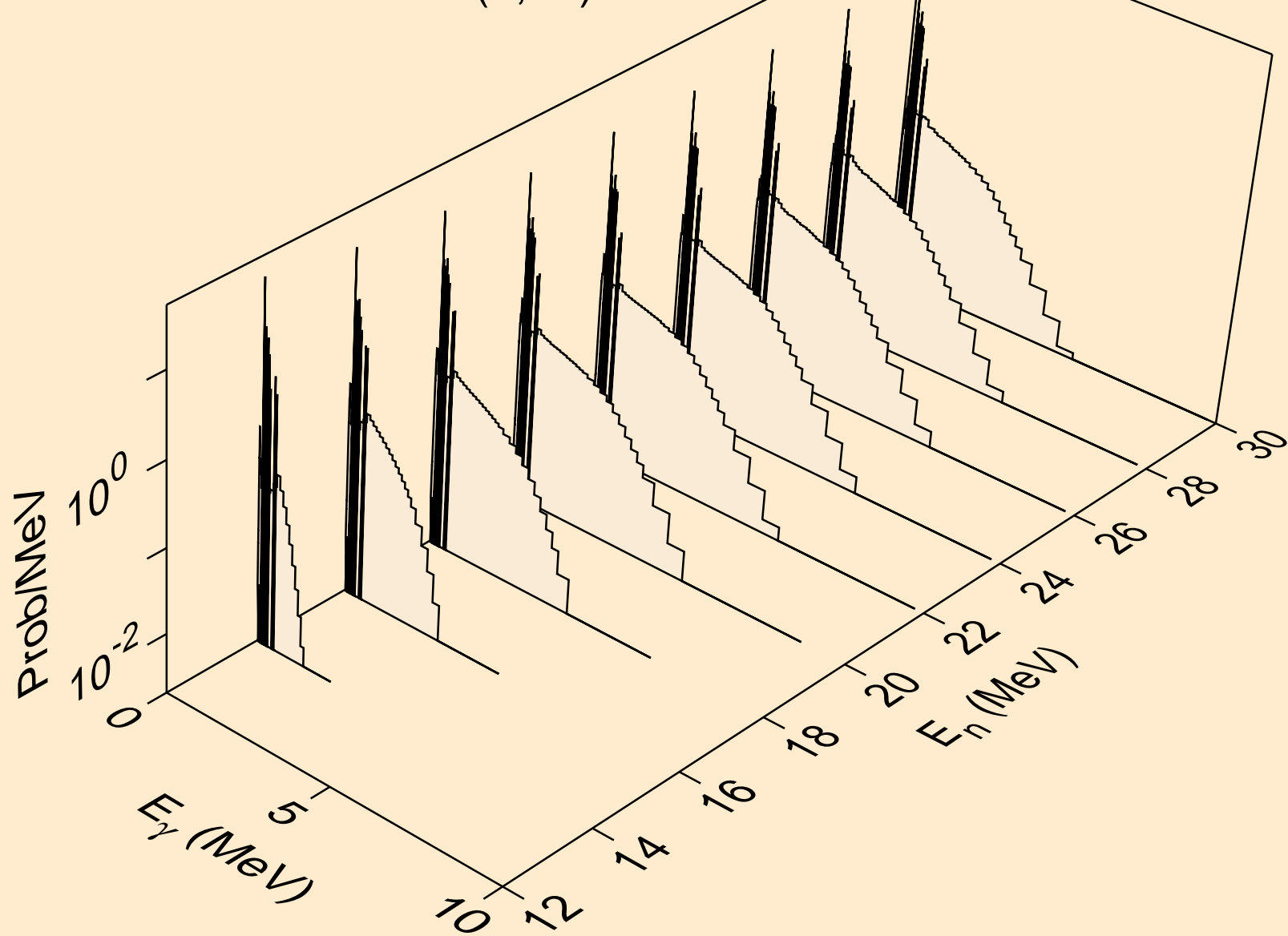
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Photon emission for (n,2nd)



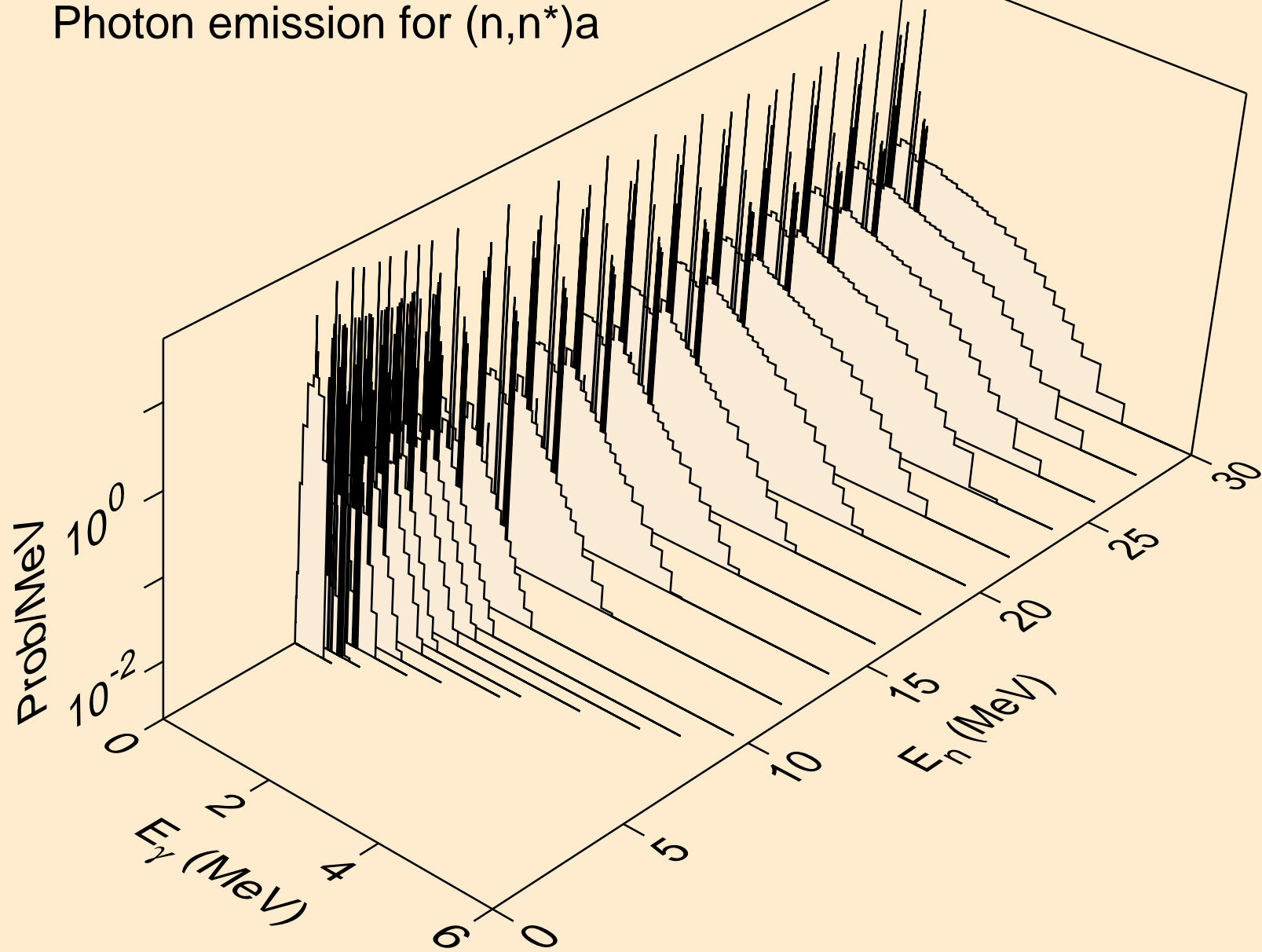
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Photon emission for (n,2n)



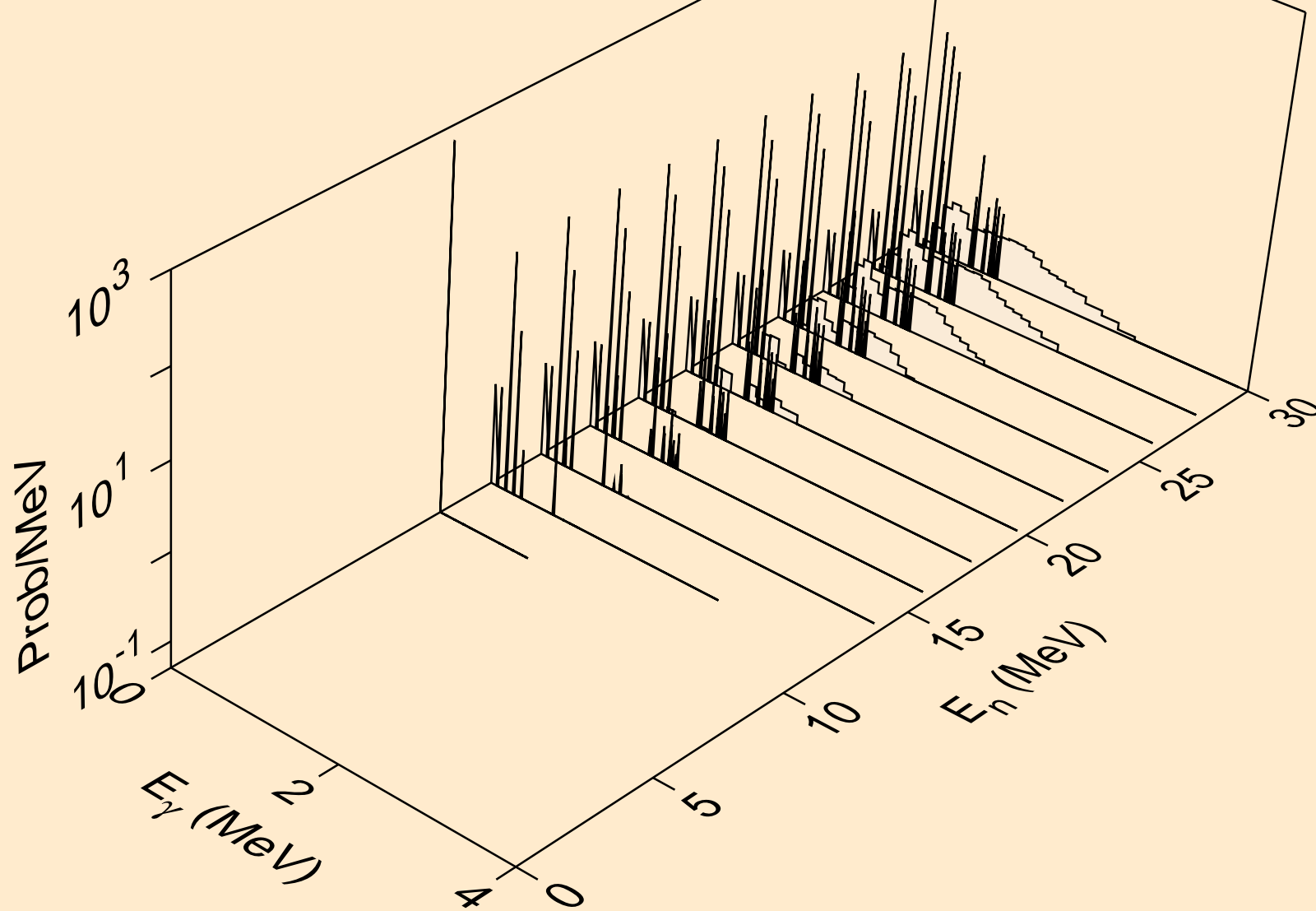
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Photon emission for (n,3n)



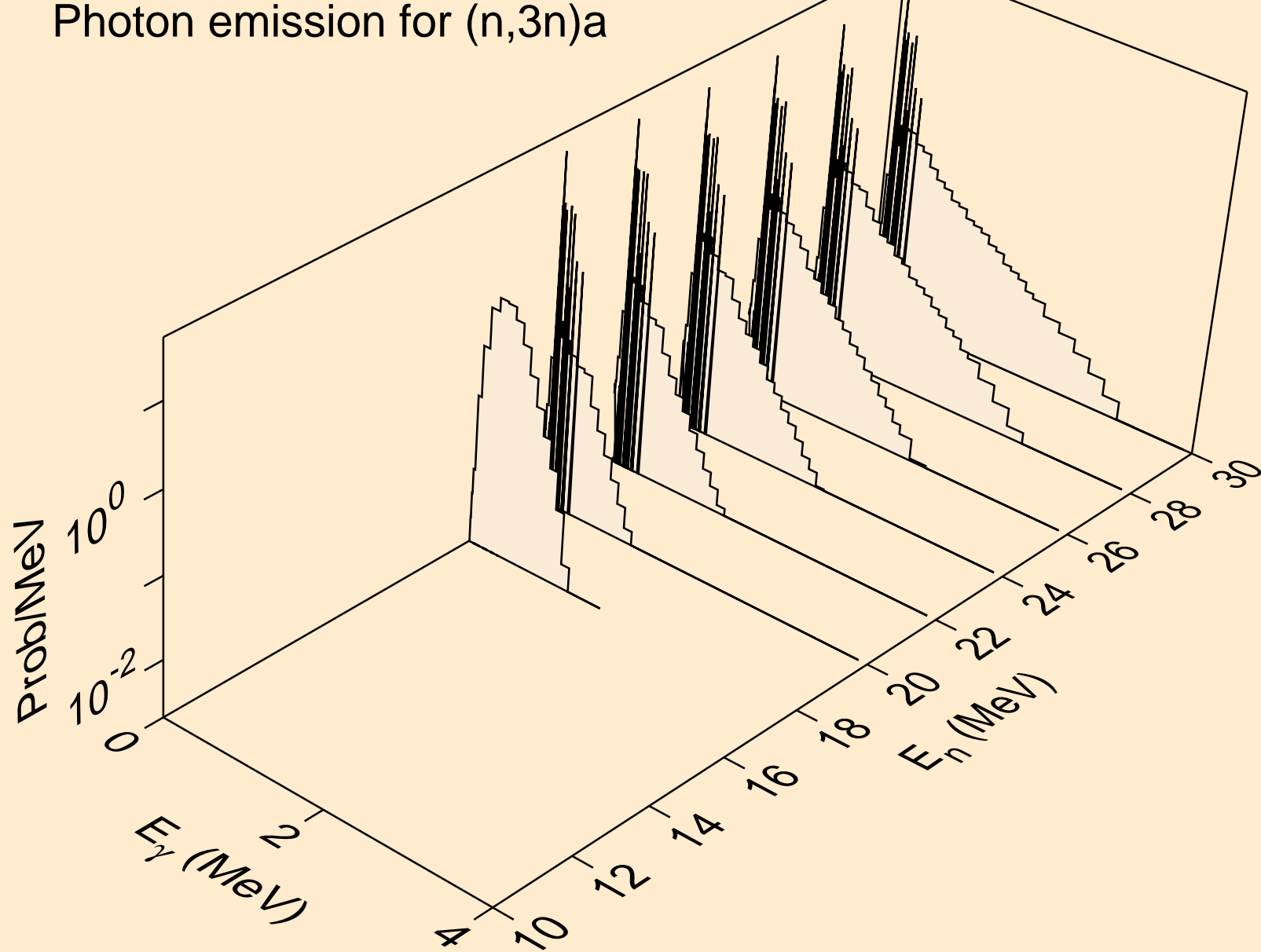
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a

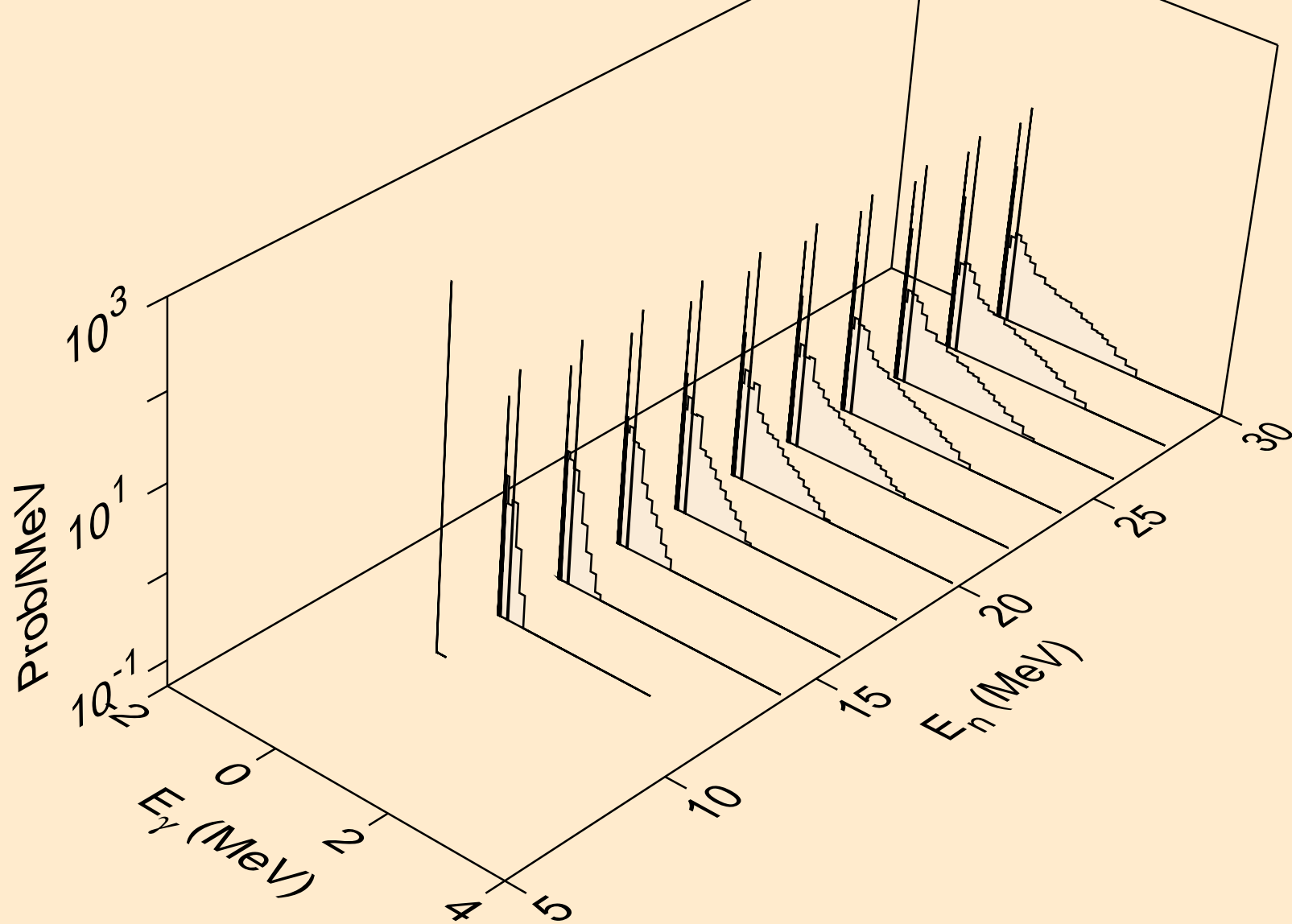


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Photon emission for (n,3n)a

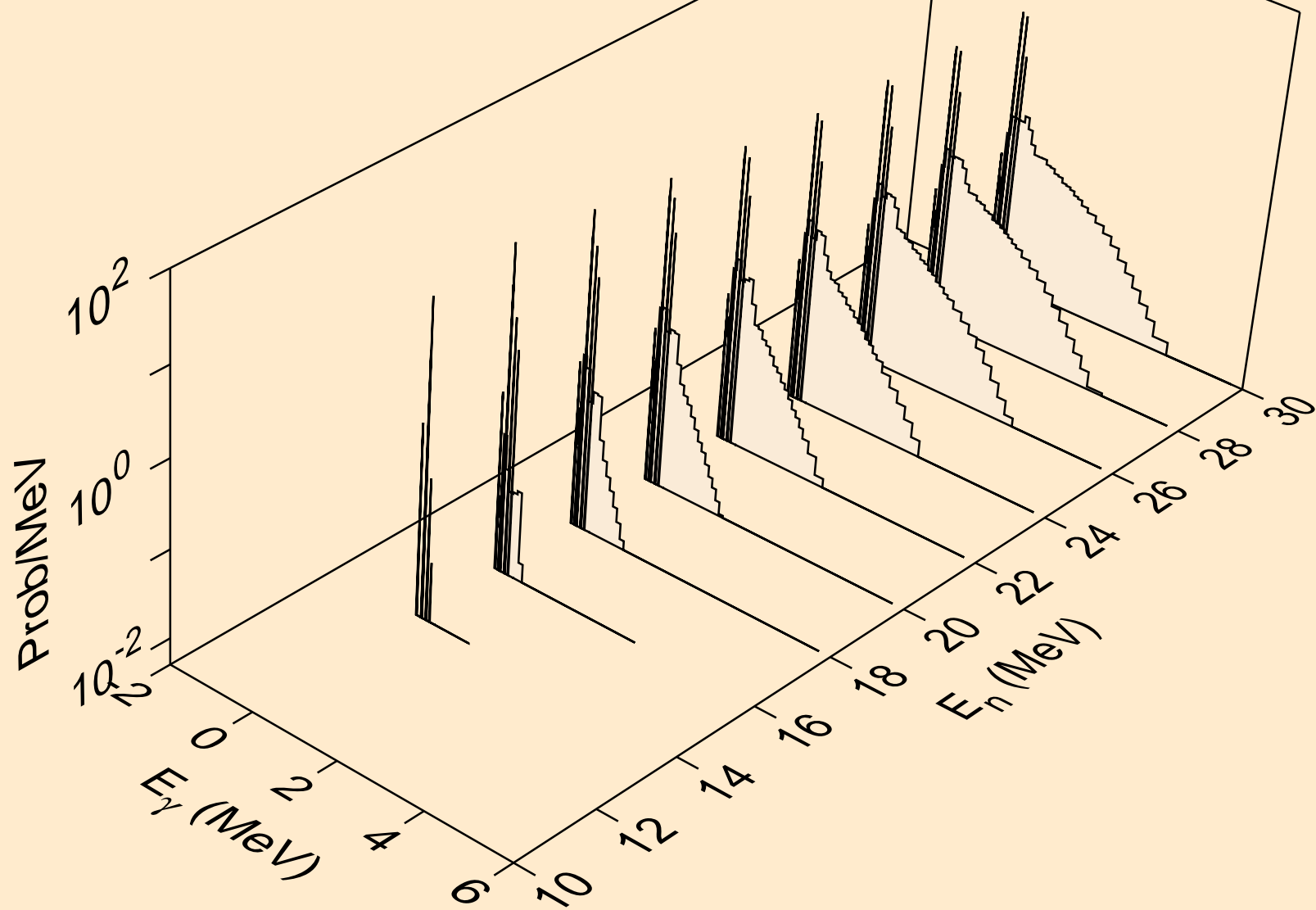




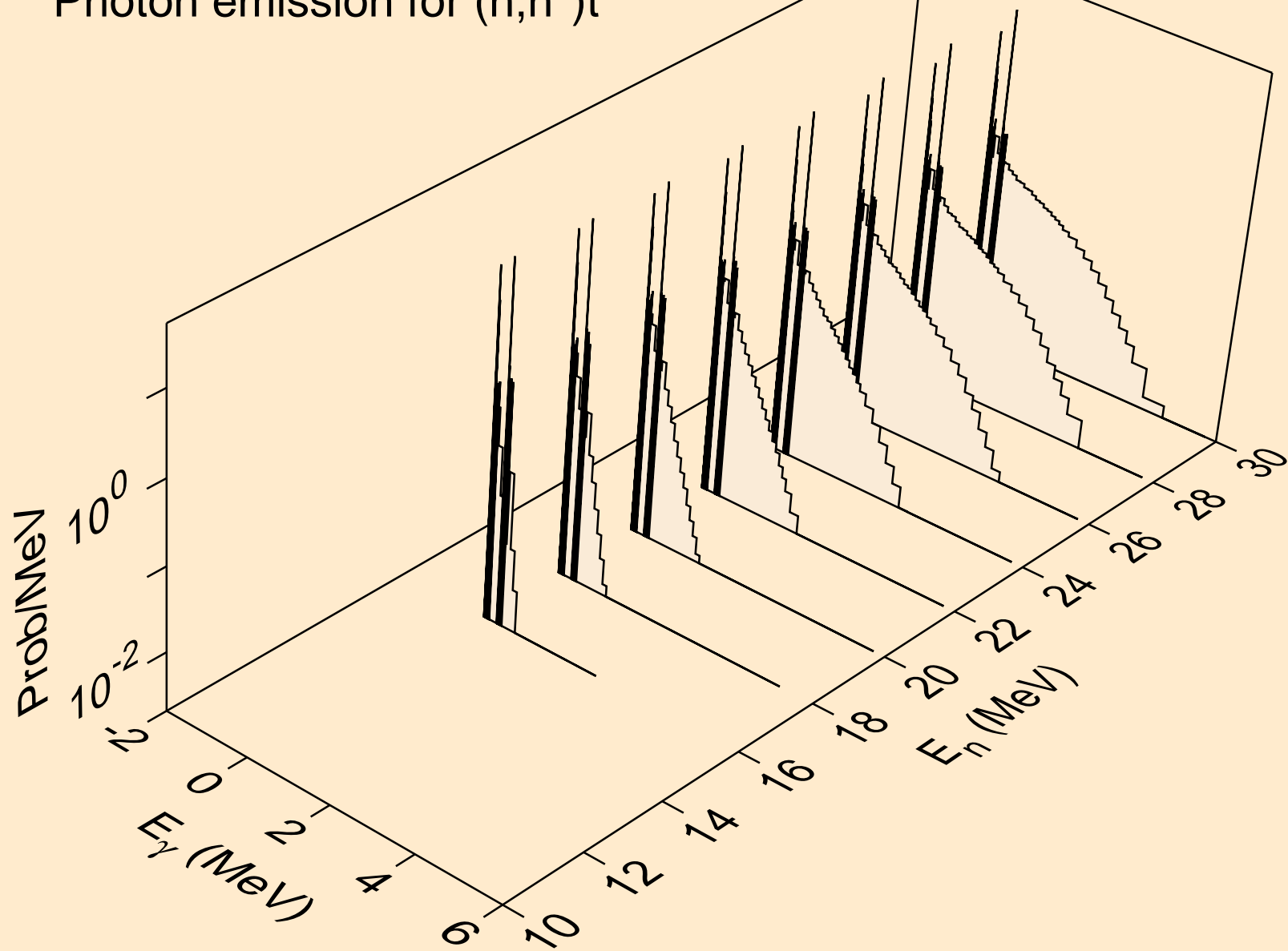
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Photon emission for (n,n\*)p



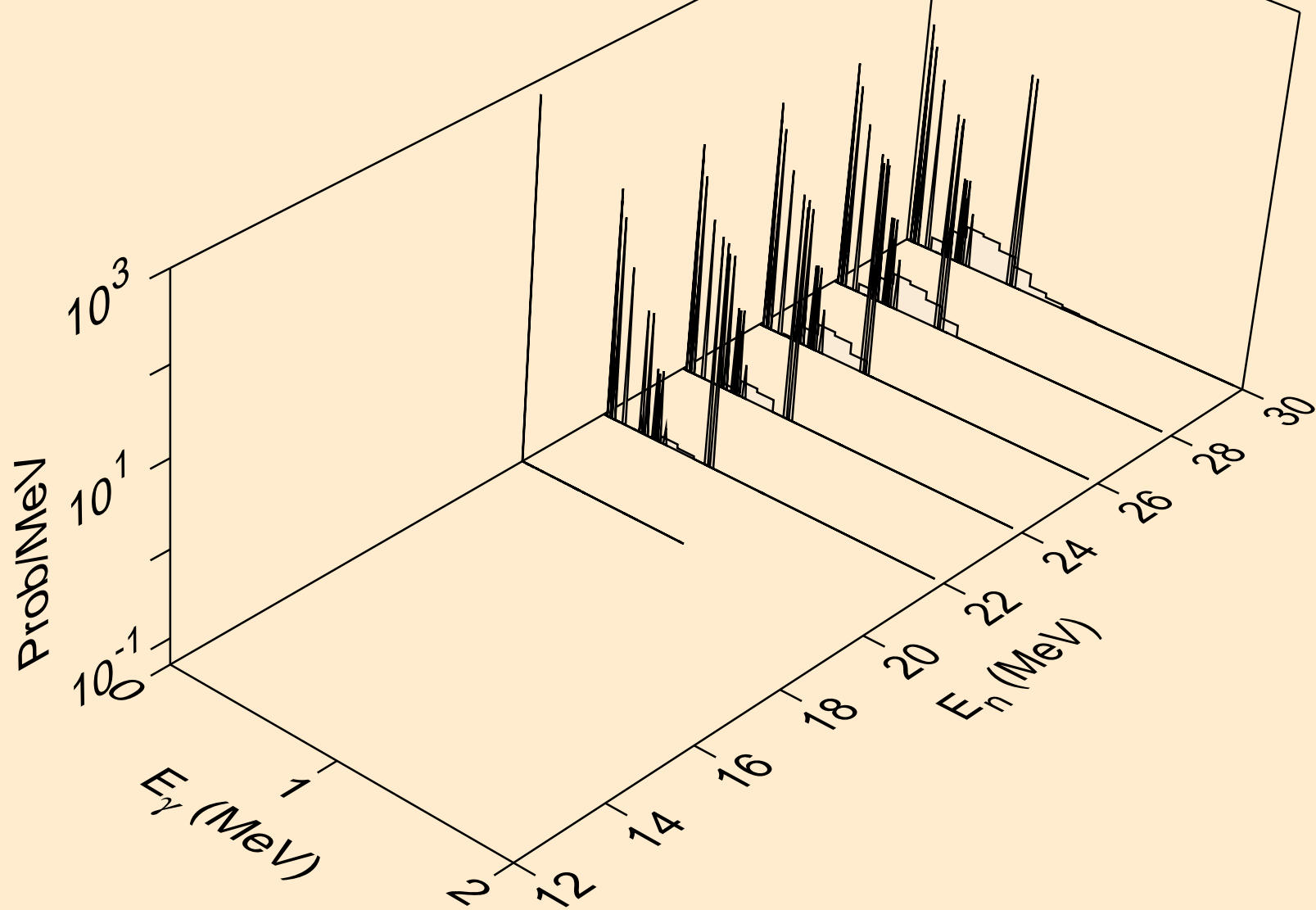
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Photon emission for (n,n\*)d



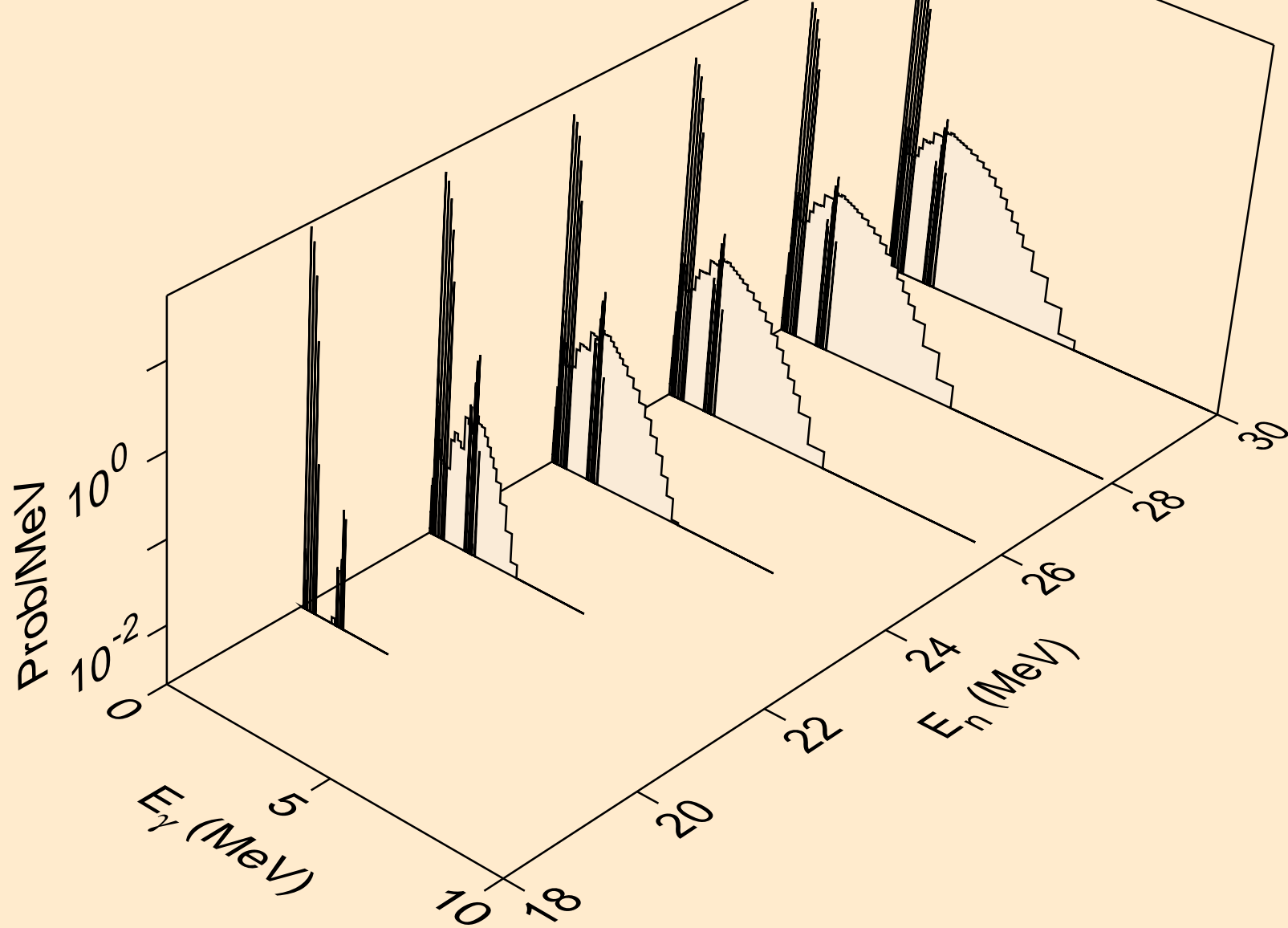
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Photon emission for (n,n\*)t



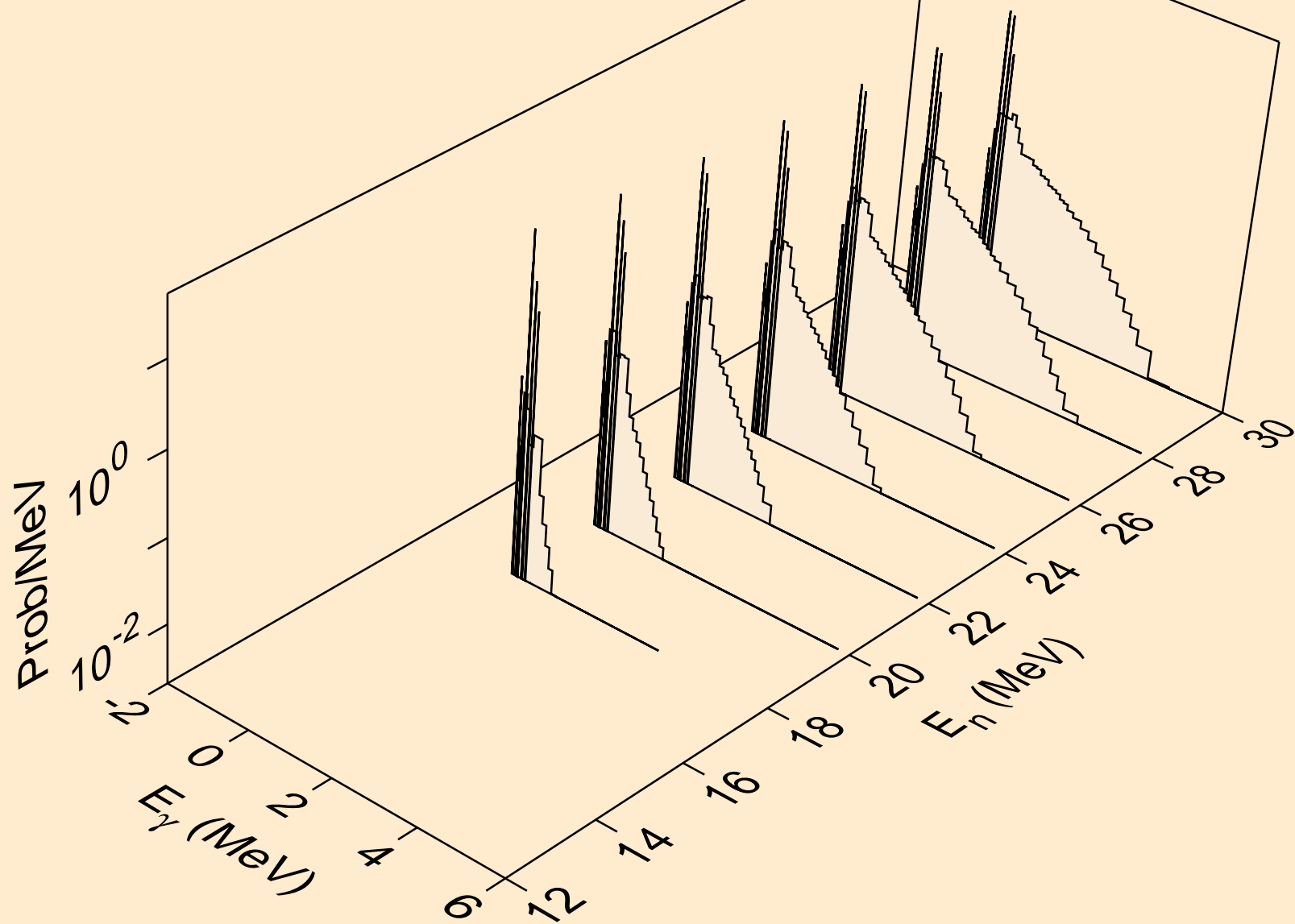
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



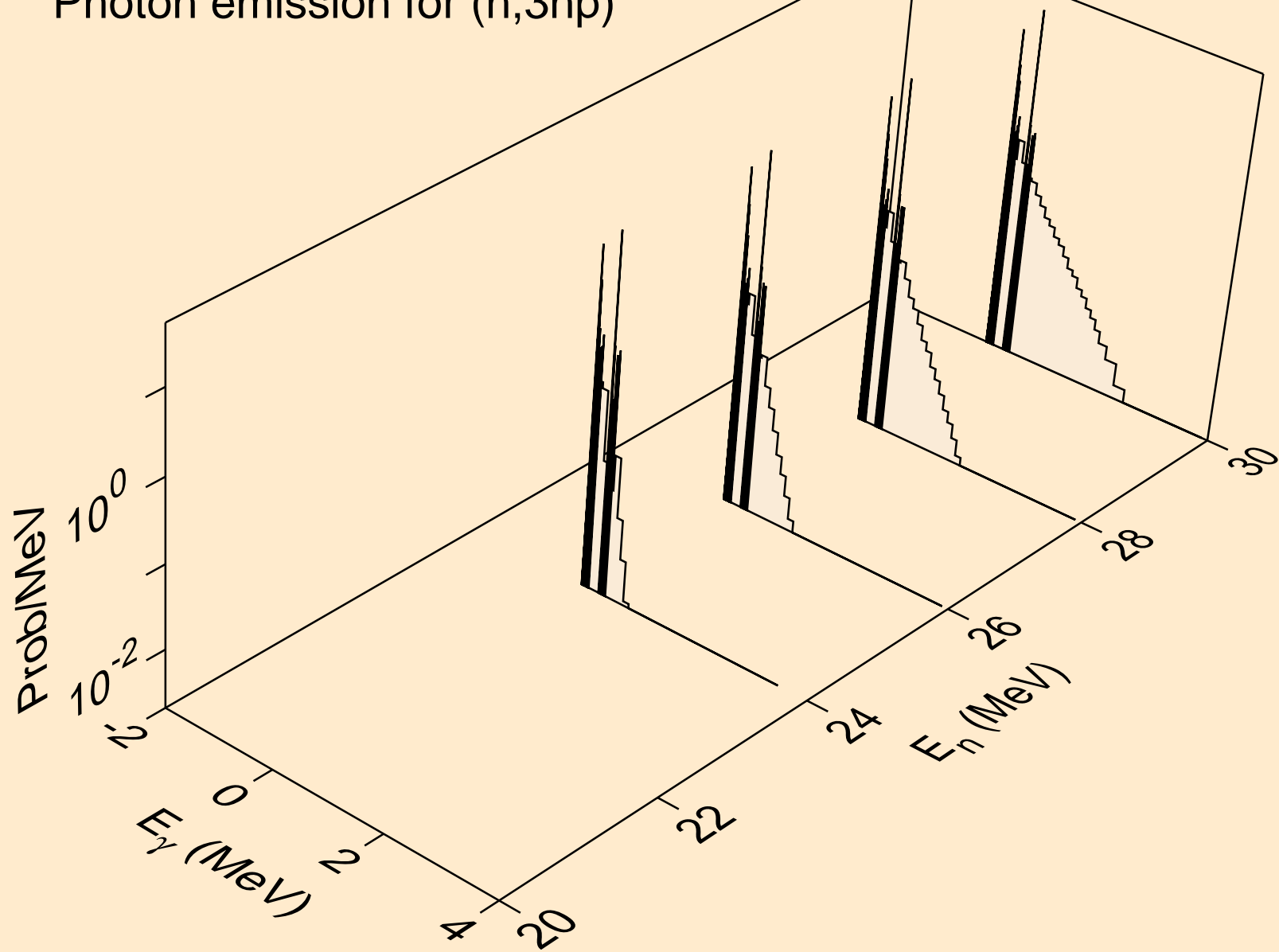
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Photon emission for (n,4n)



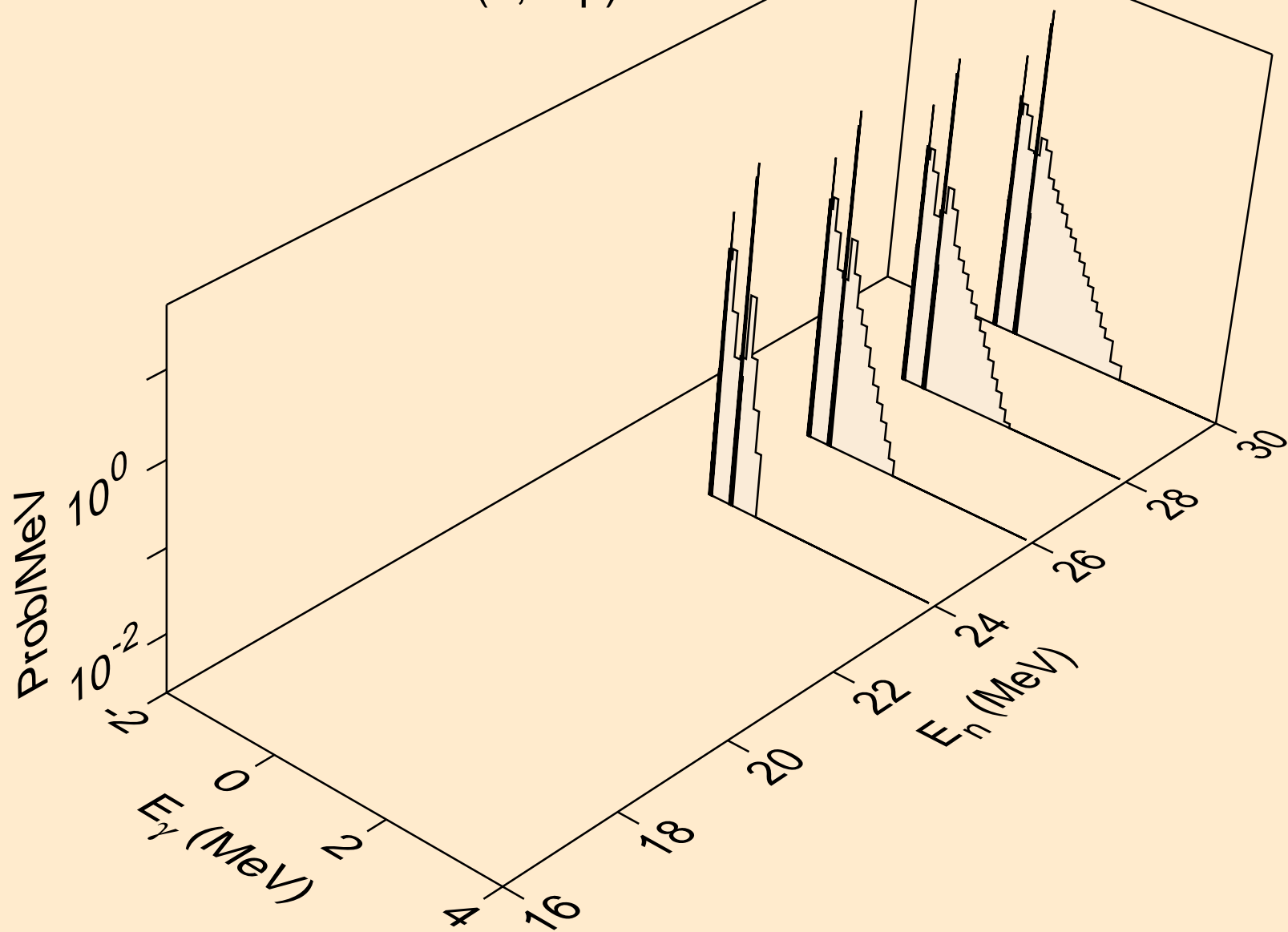
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)

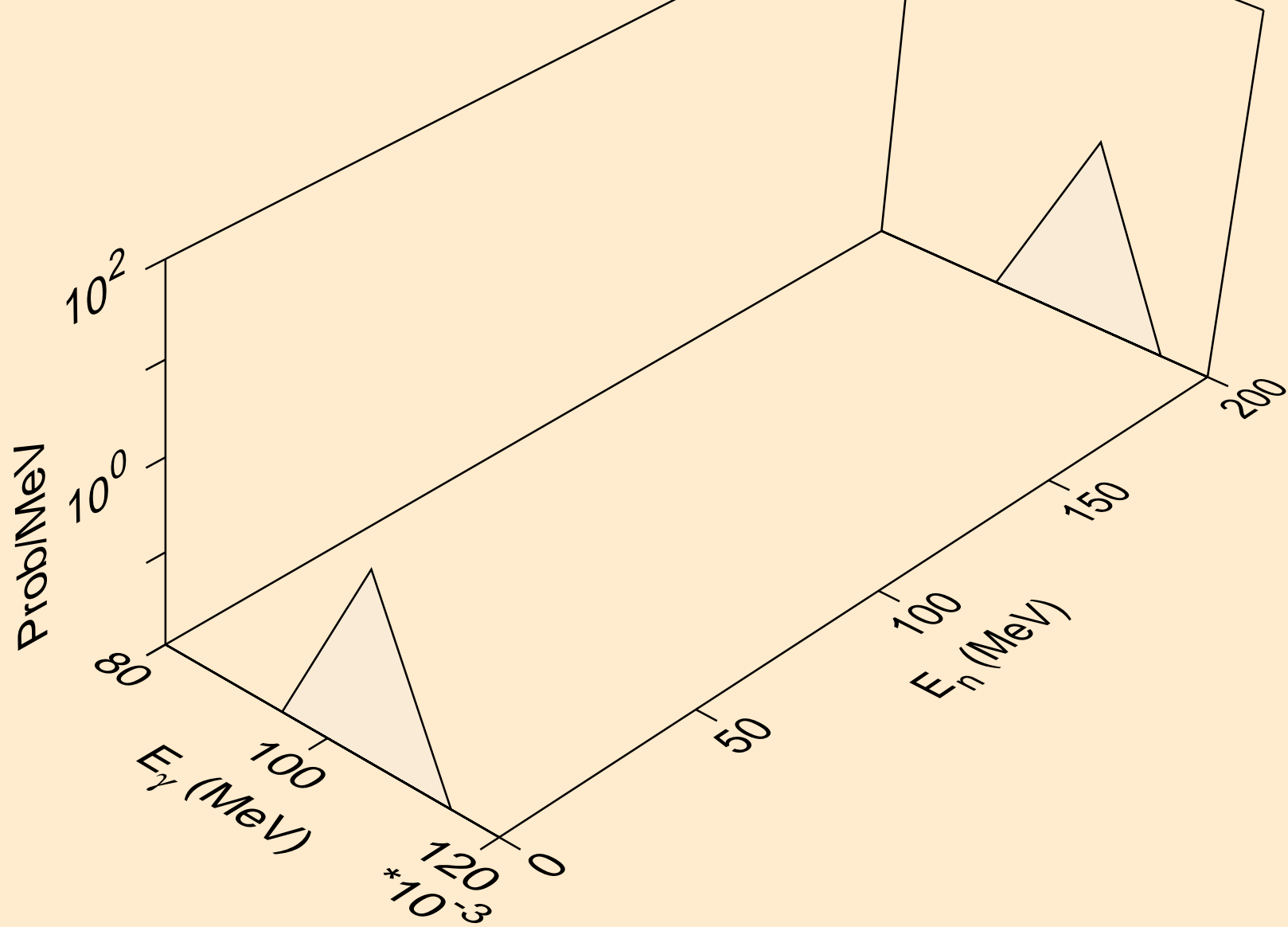


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Photon emission for (n,n2p)

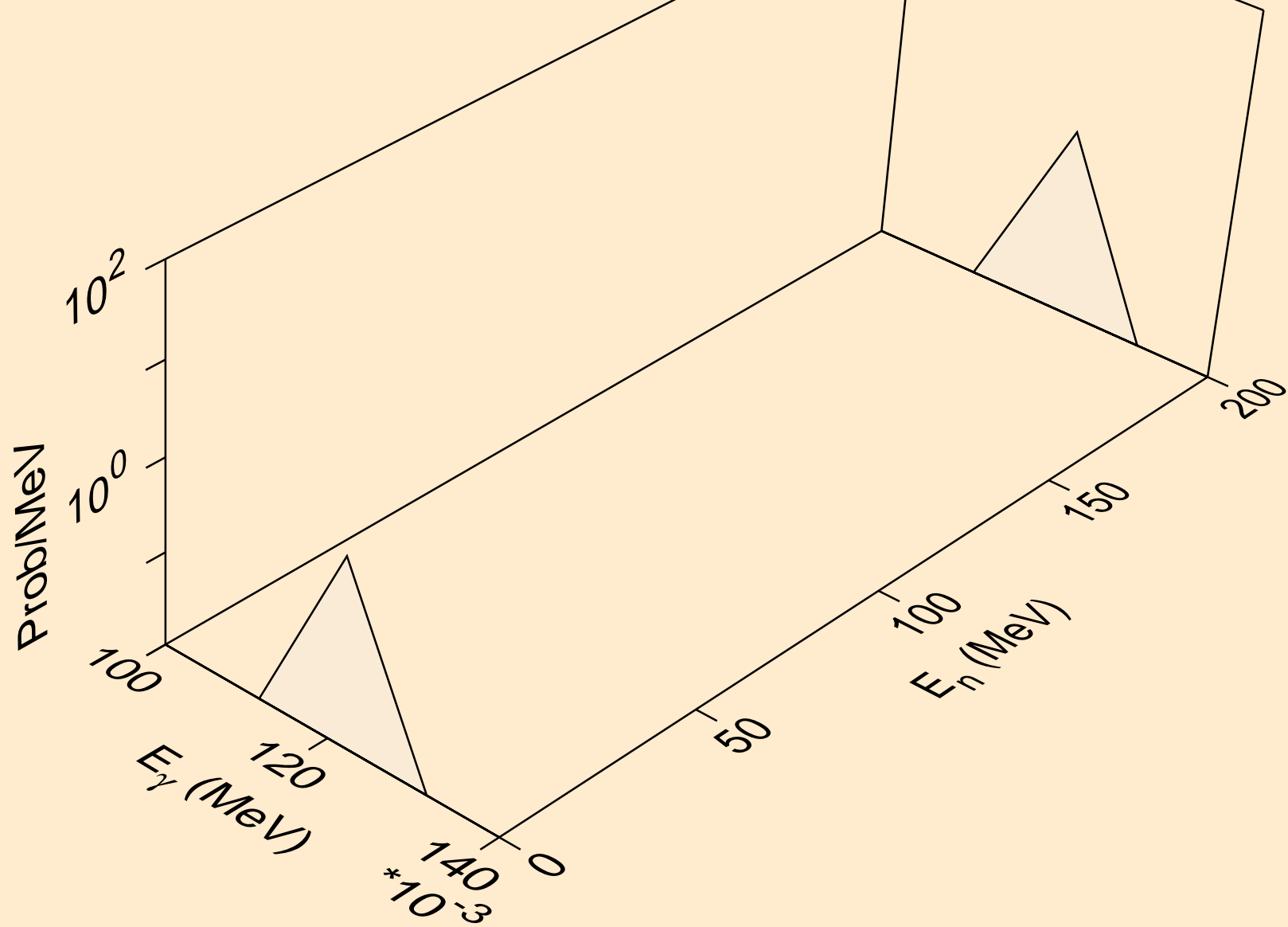




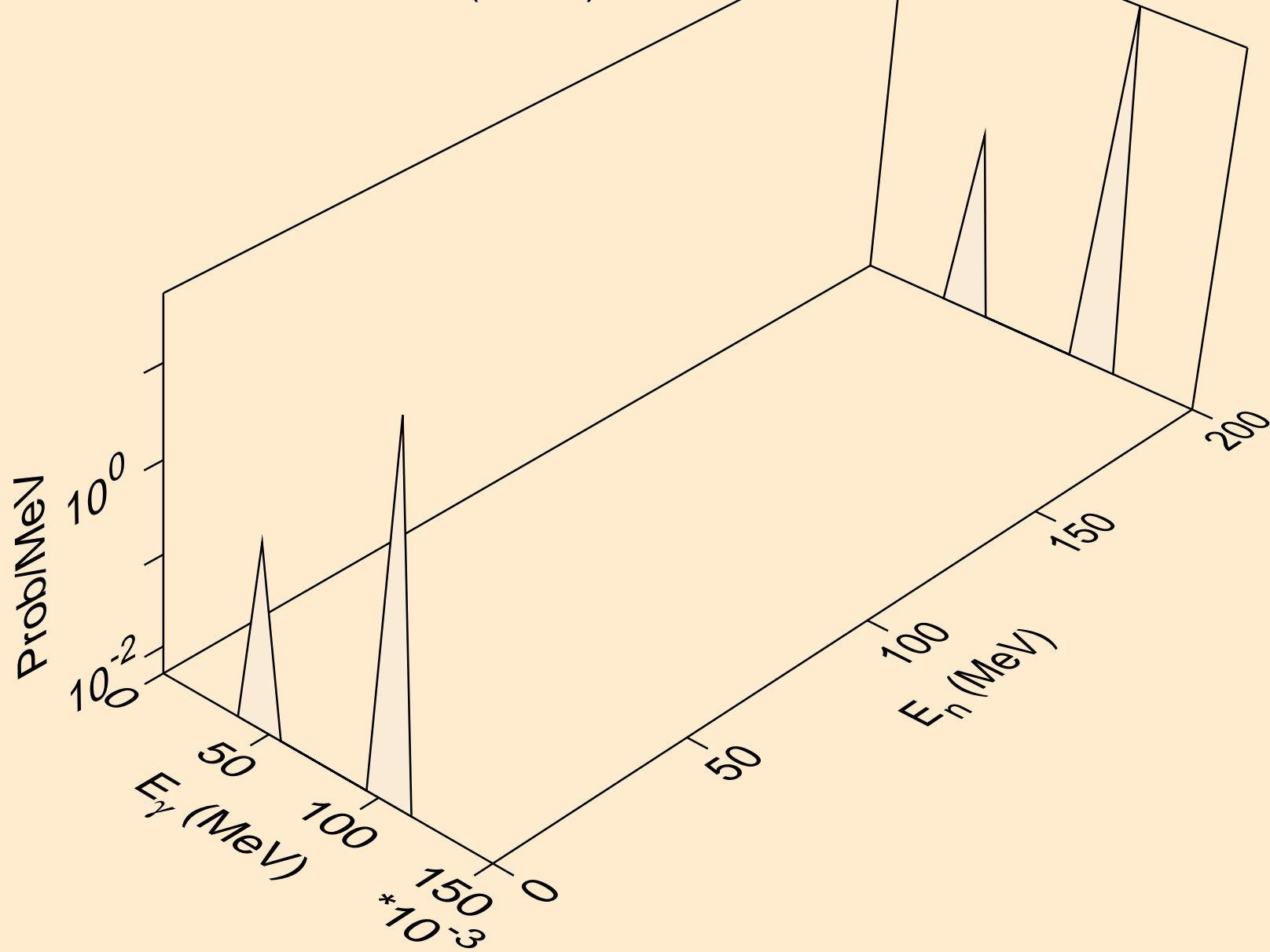
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Photon emission for (n,n\*1)



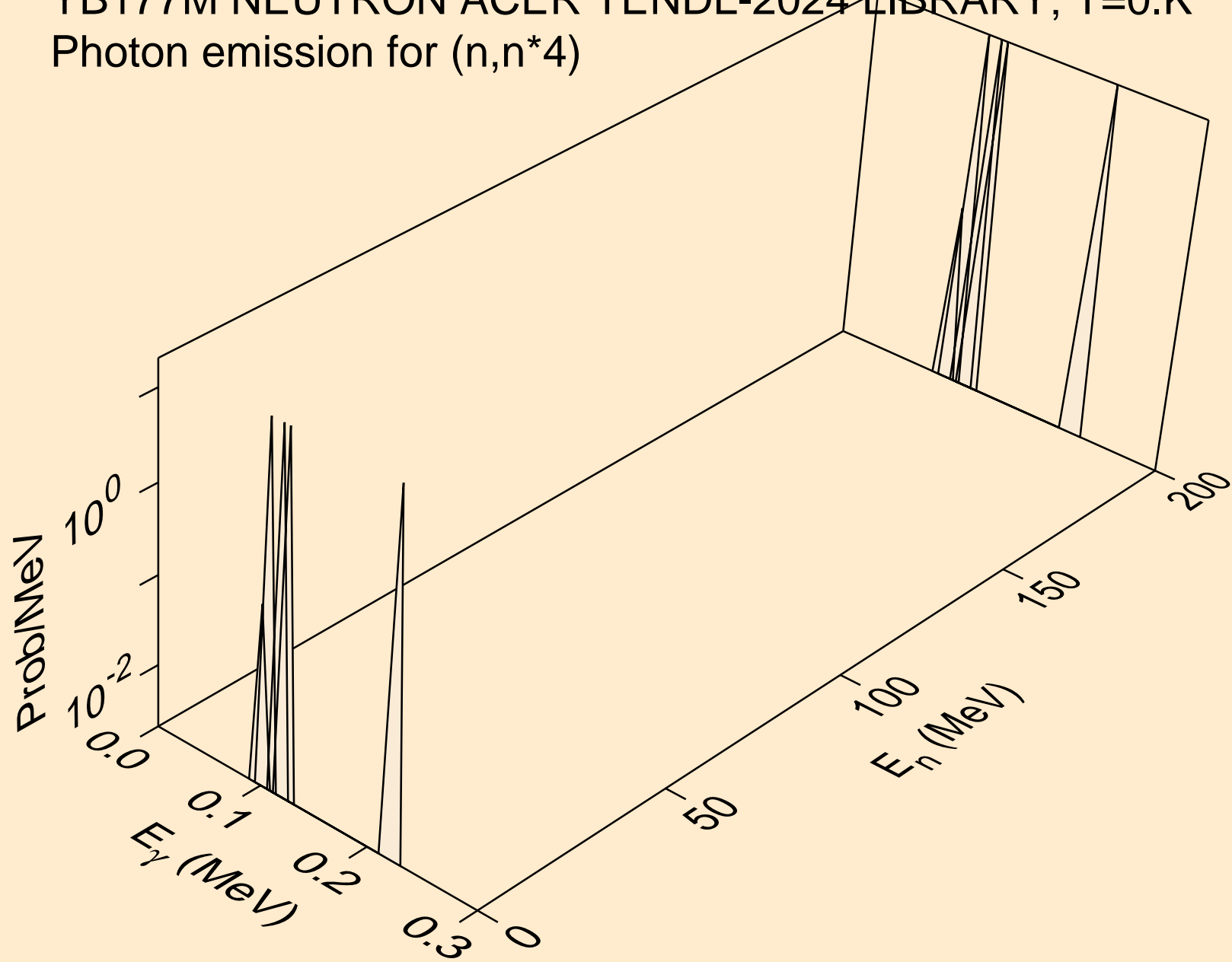
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Photon emission for (n,n\*2)



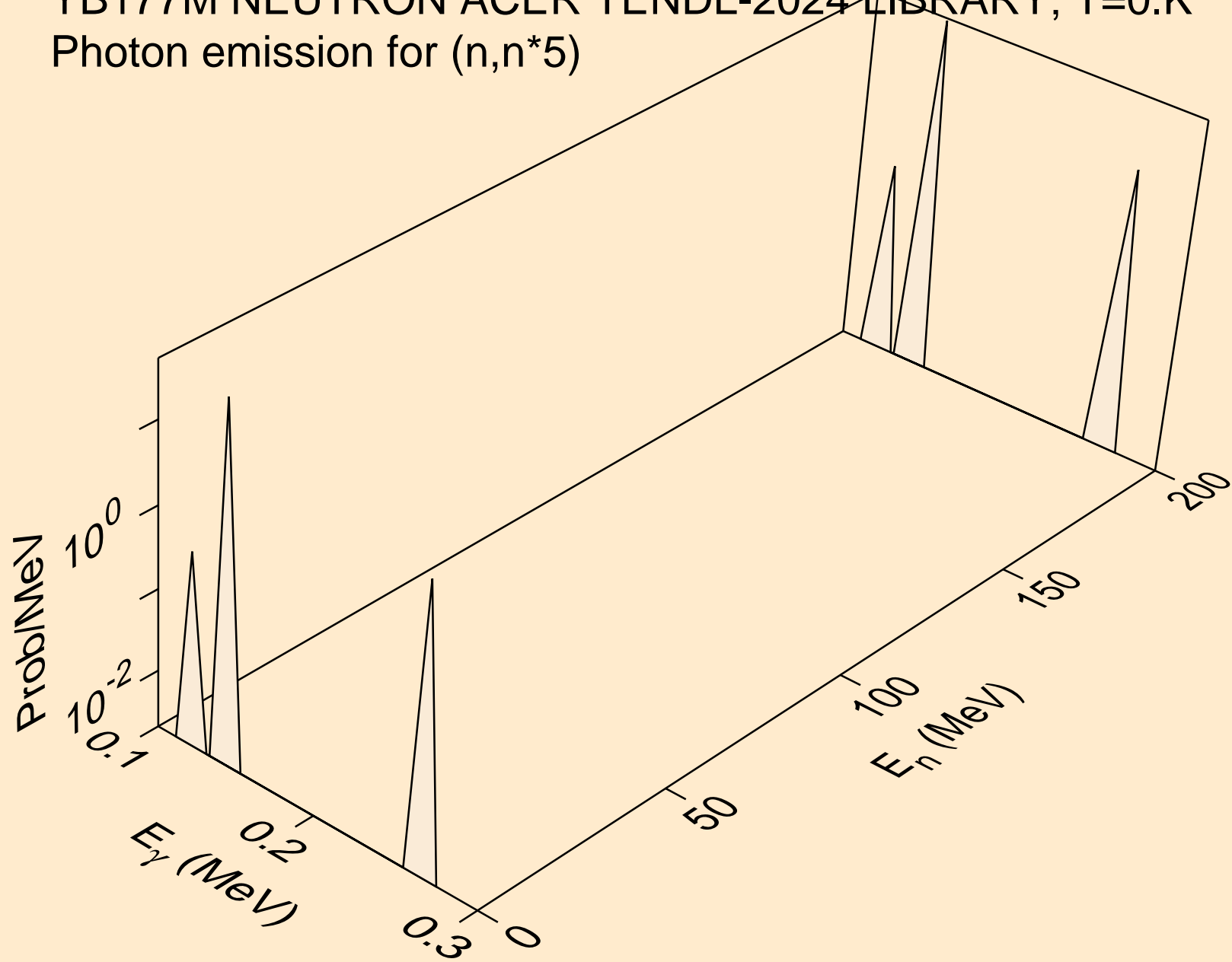
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Photon emission for (n,n\*3)



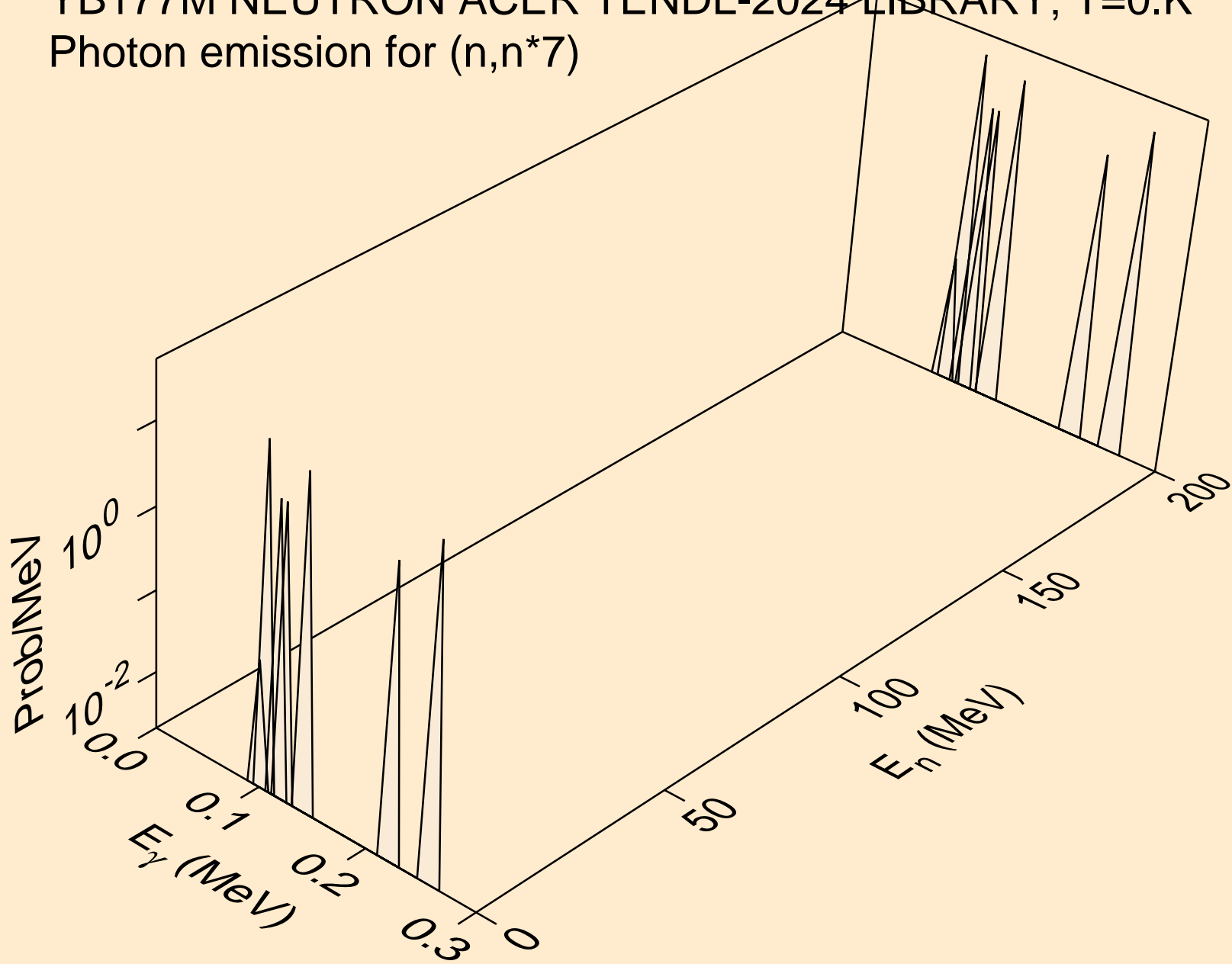
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Photon emission for (n,n\*4)



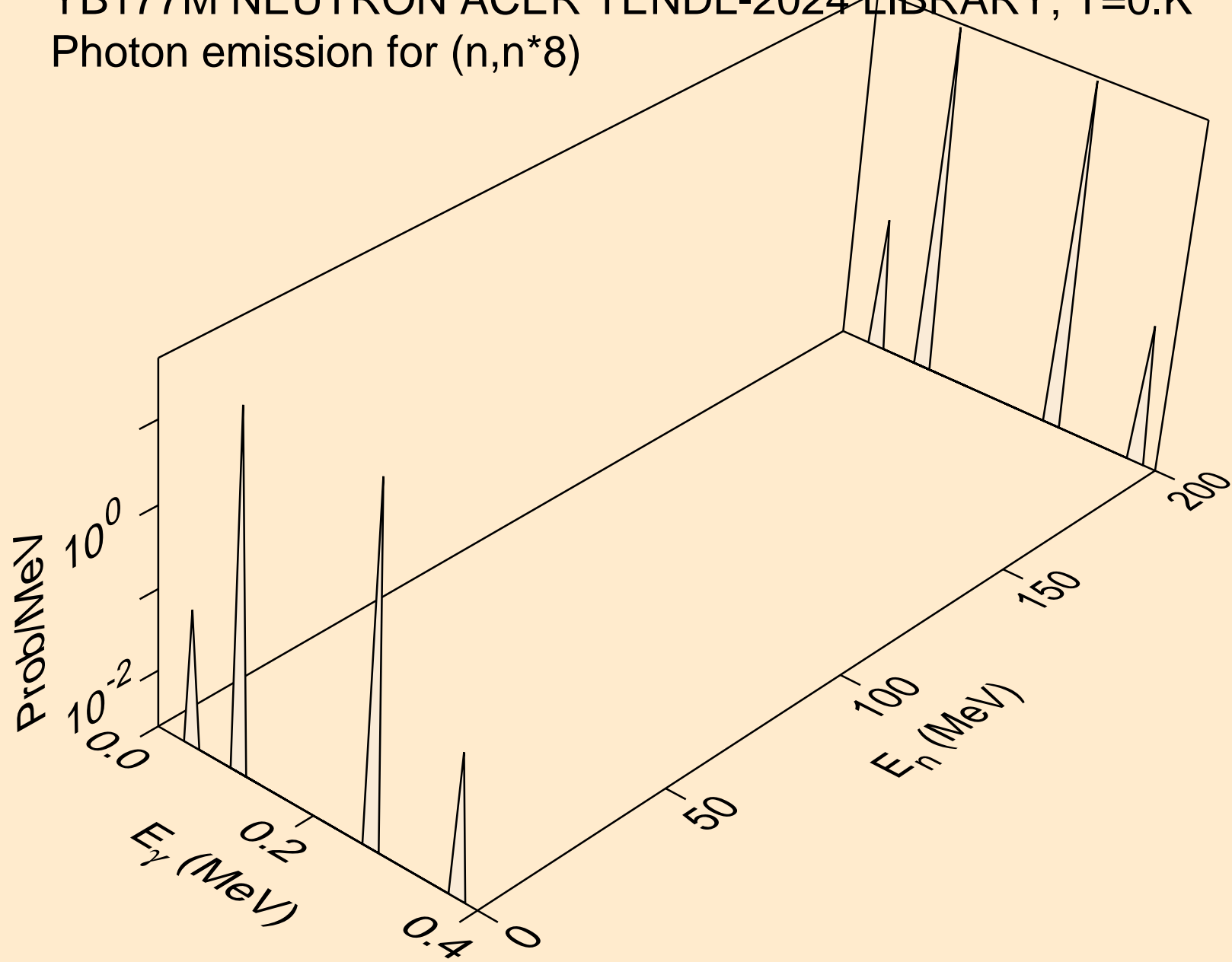
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Photon emission for (n,n\*5)



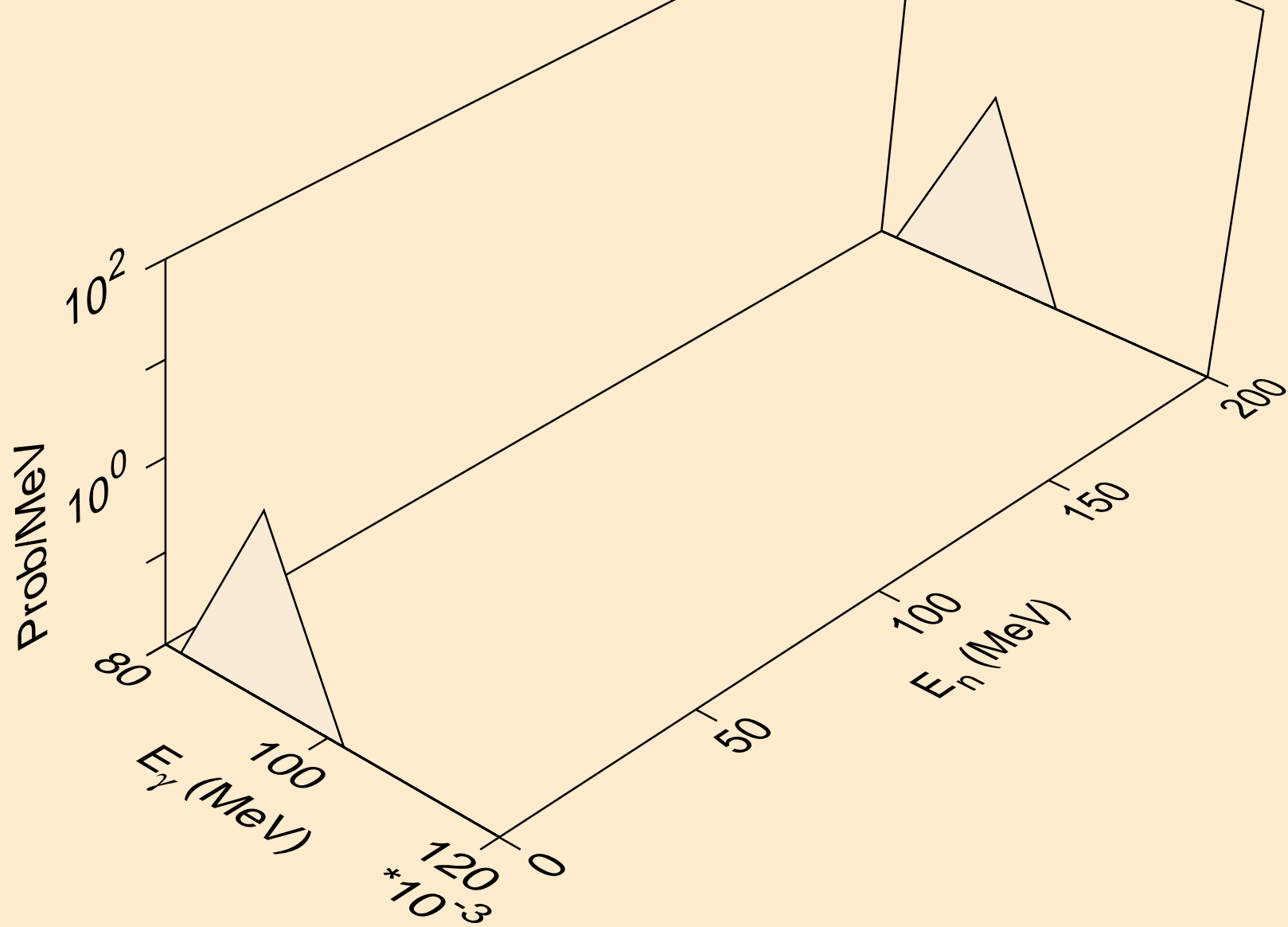
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*7)



YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*8)

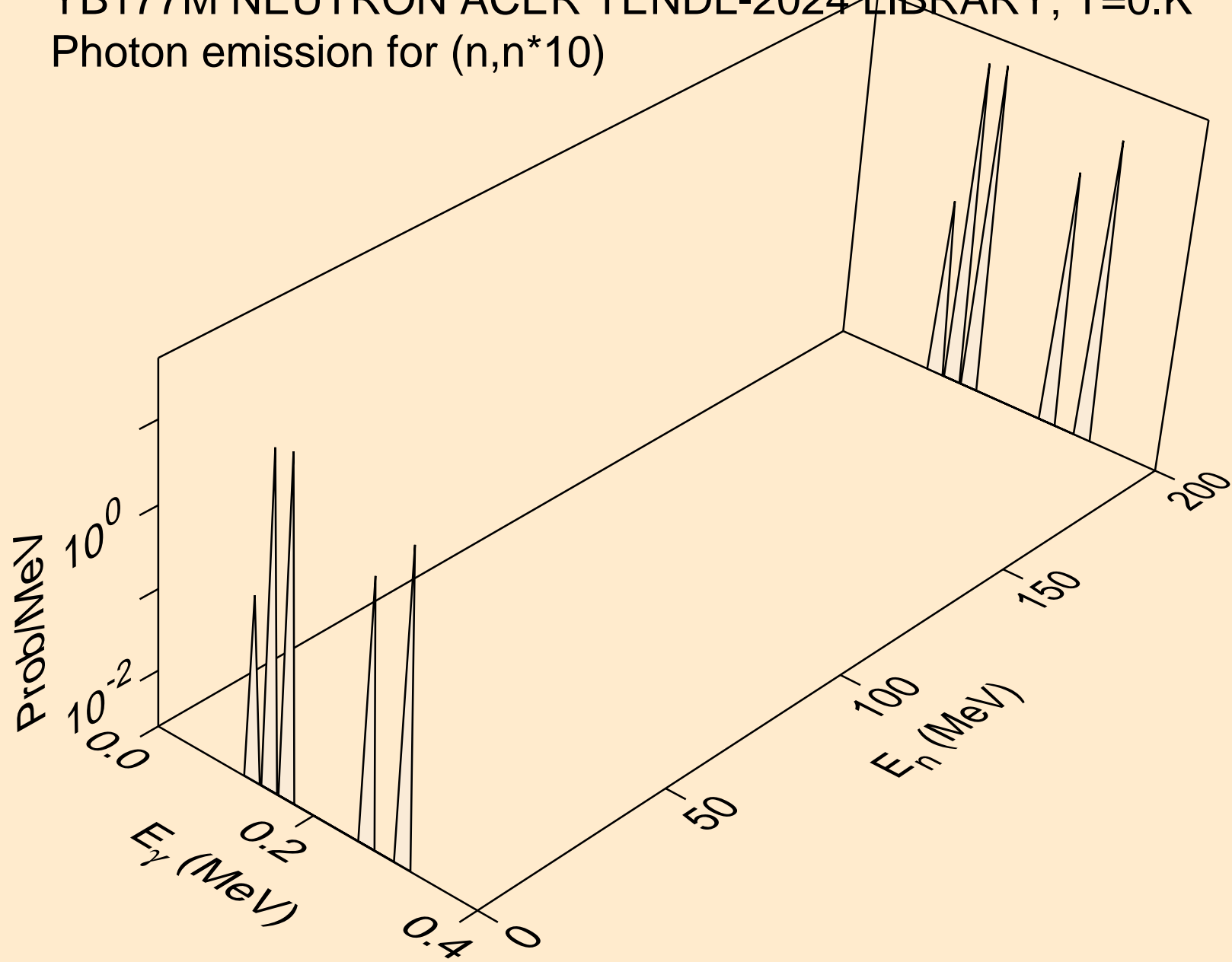


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Photon emission for (n,n\*9)

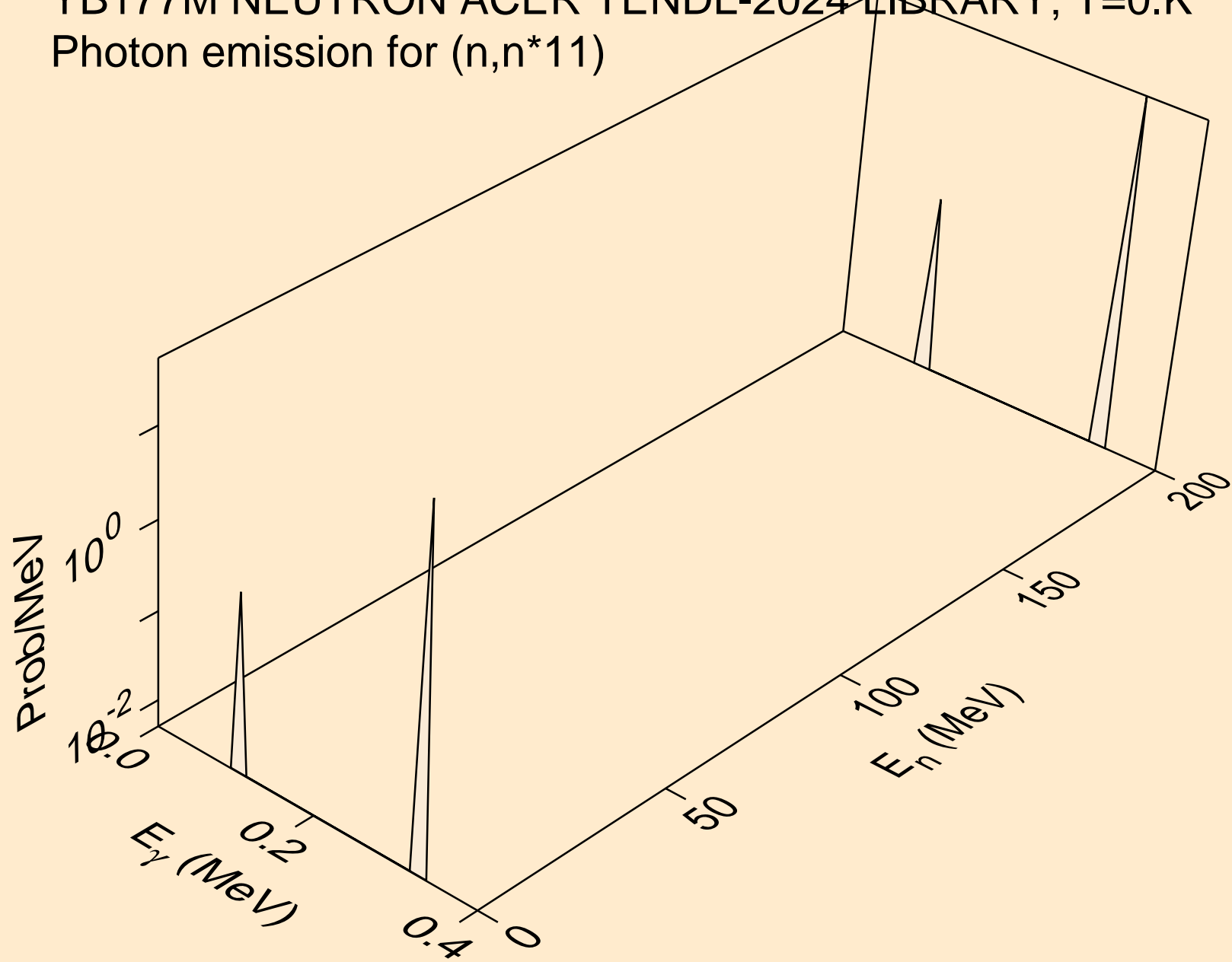




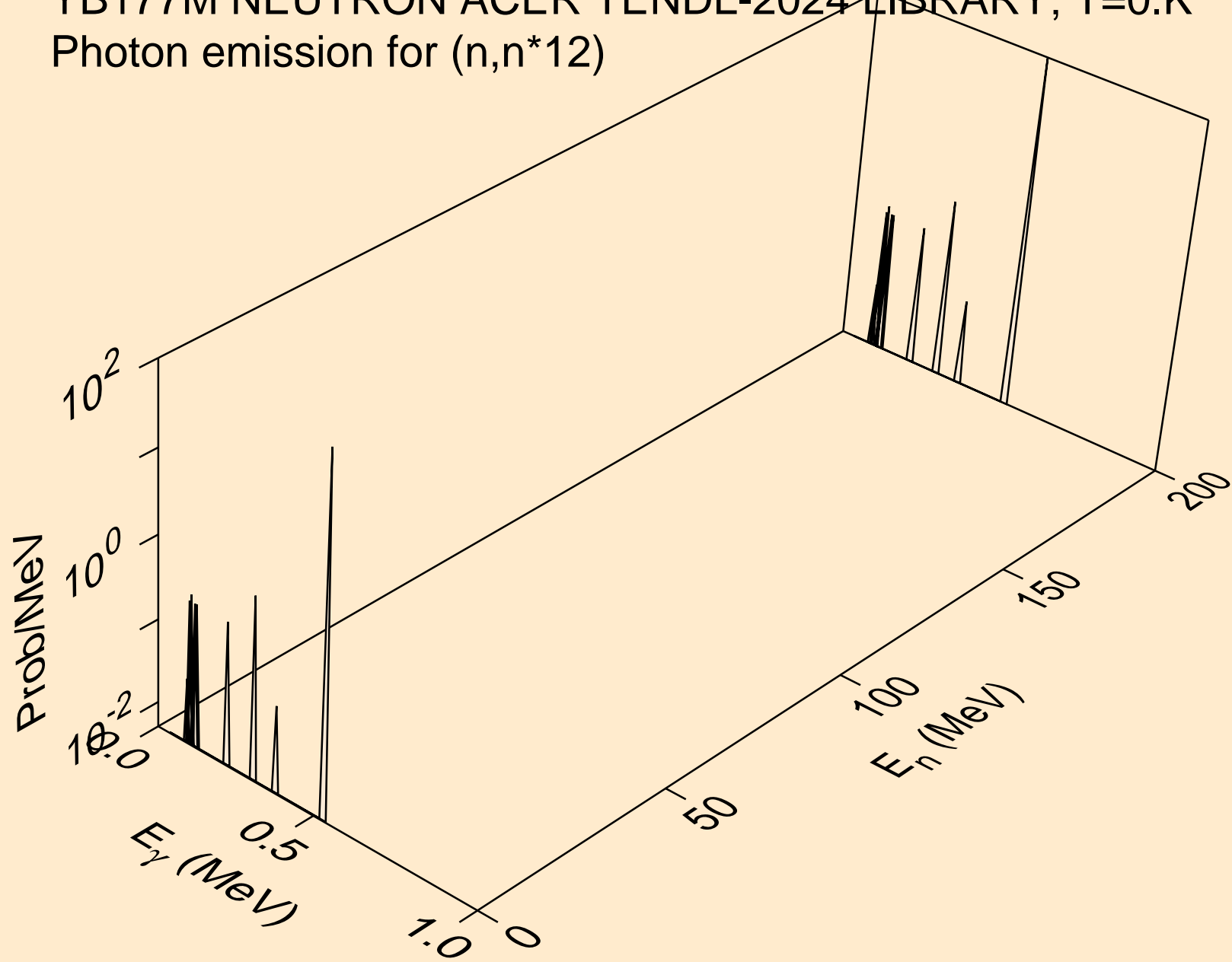
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Photon emission for (n,n\*10)



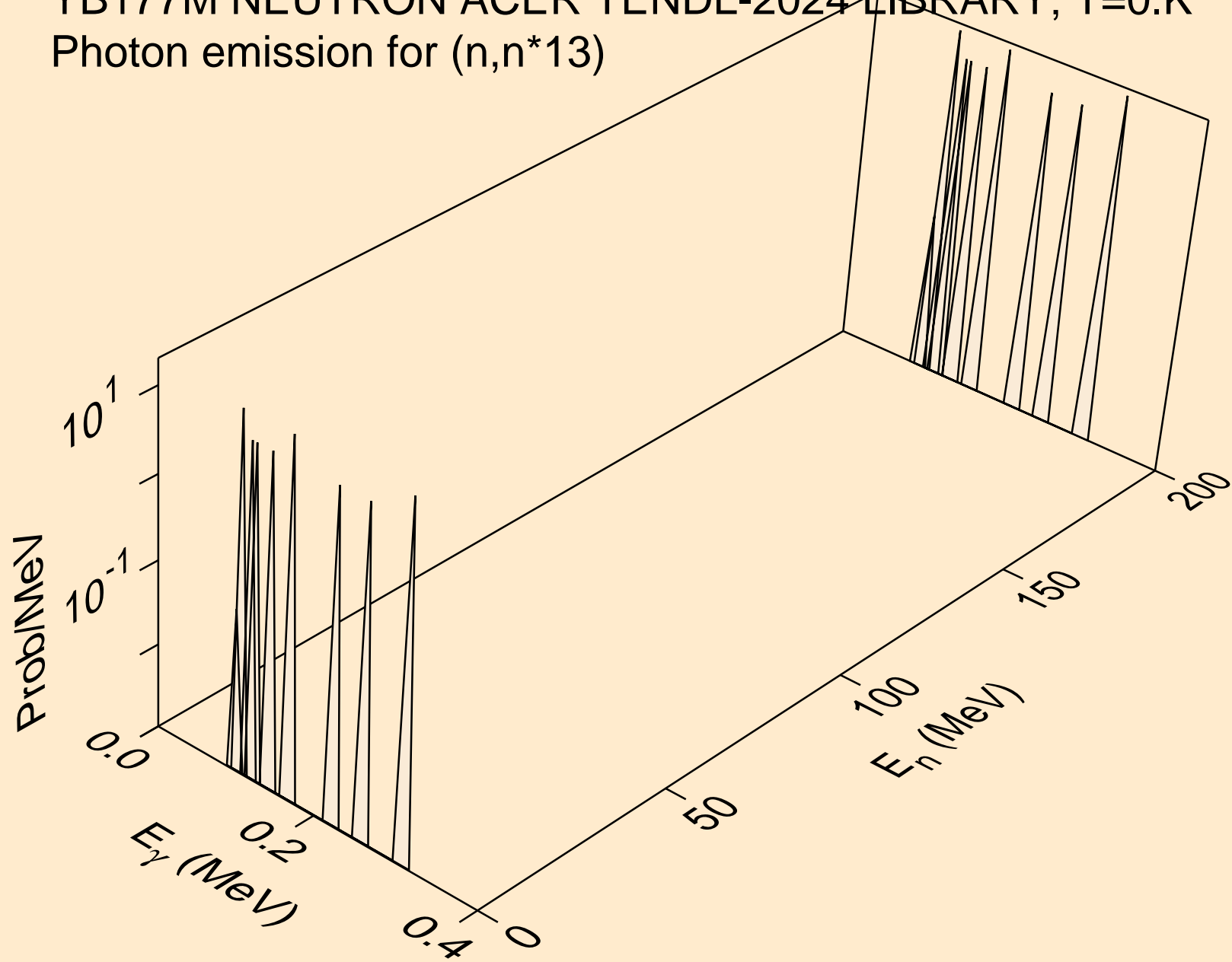
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Photon emission for (n,n\*11)



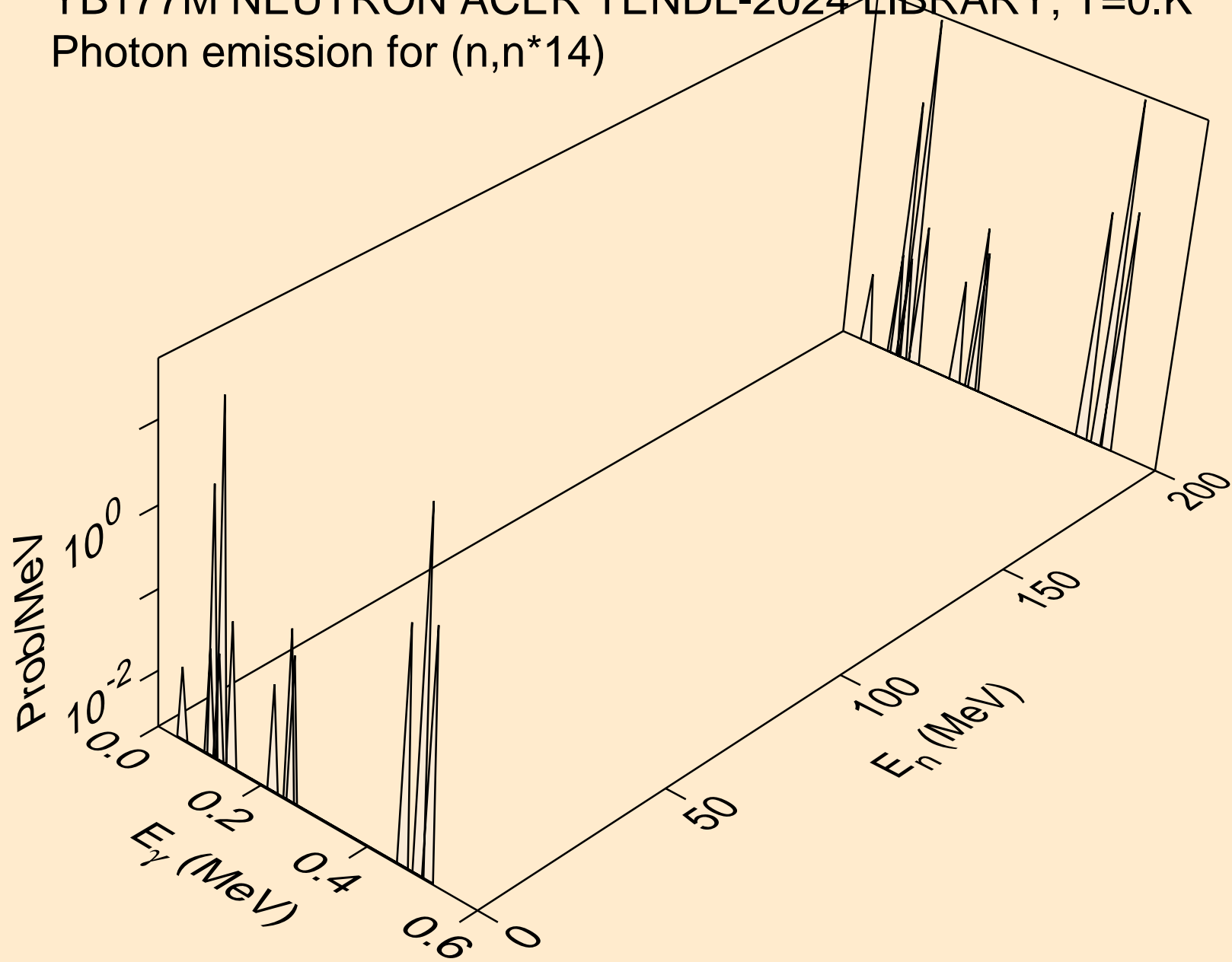
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Photon emission for (n,n\*12)



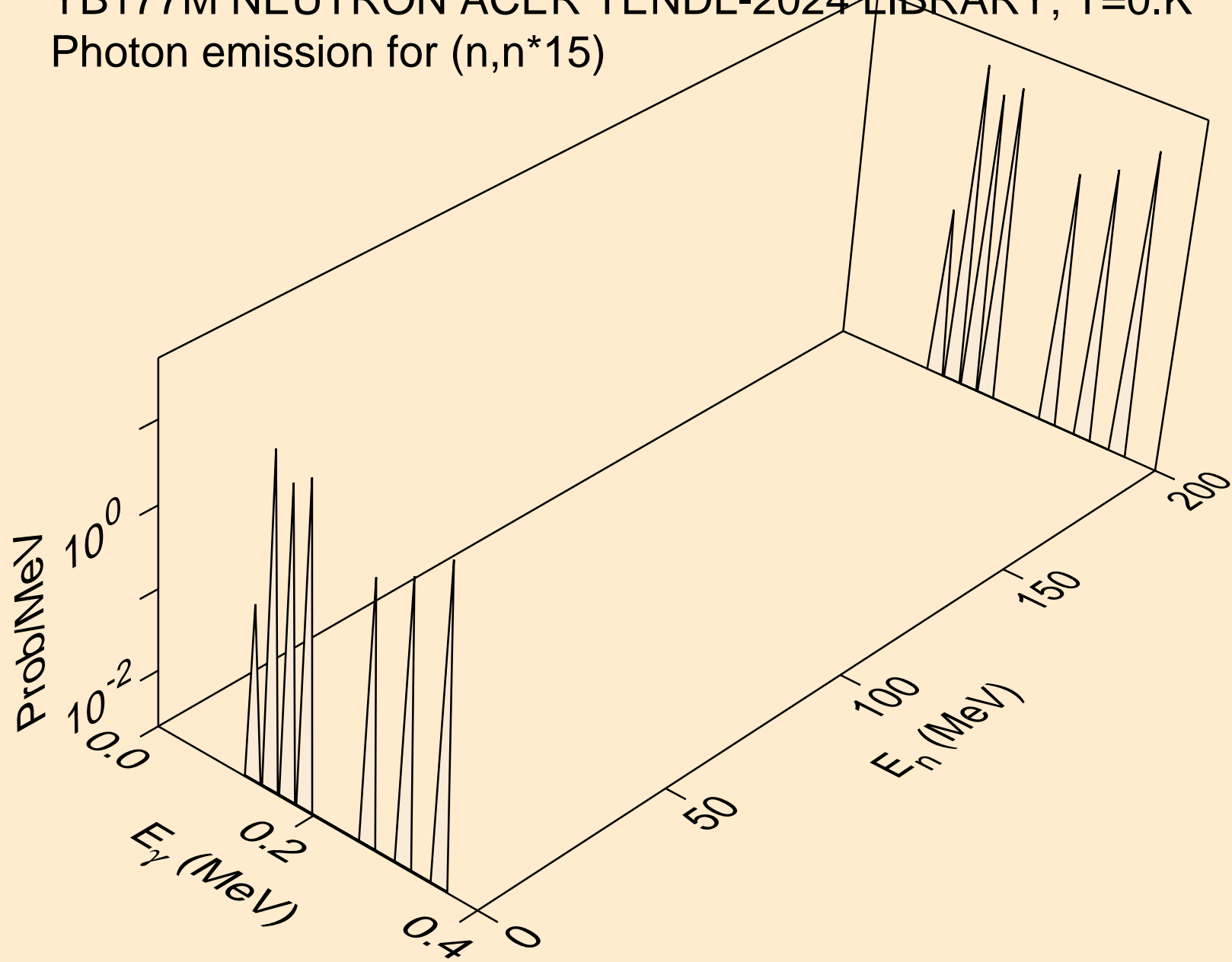
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Photon emission for (n,n\*13)



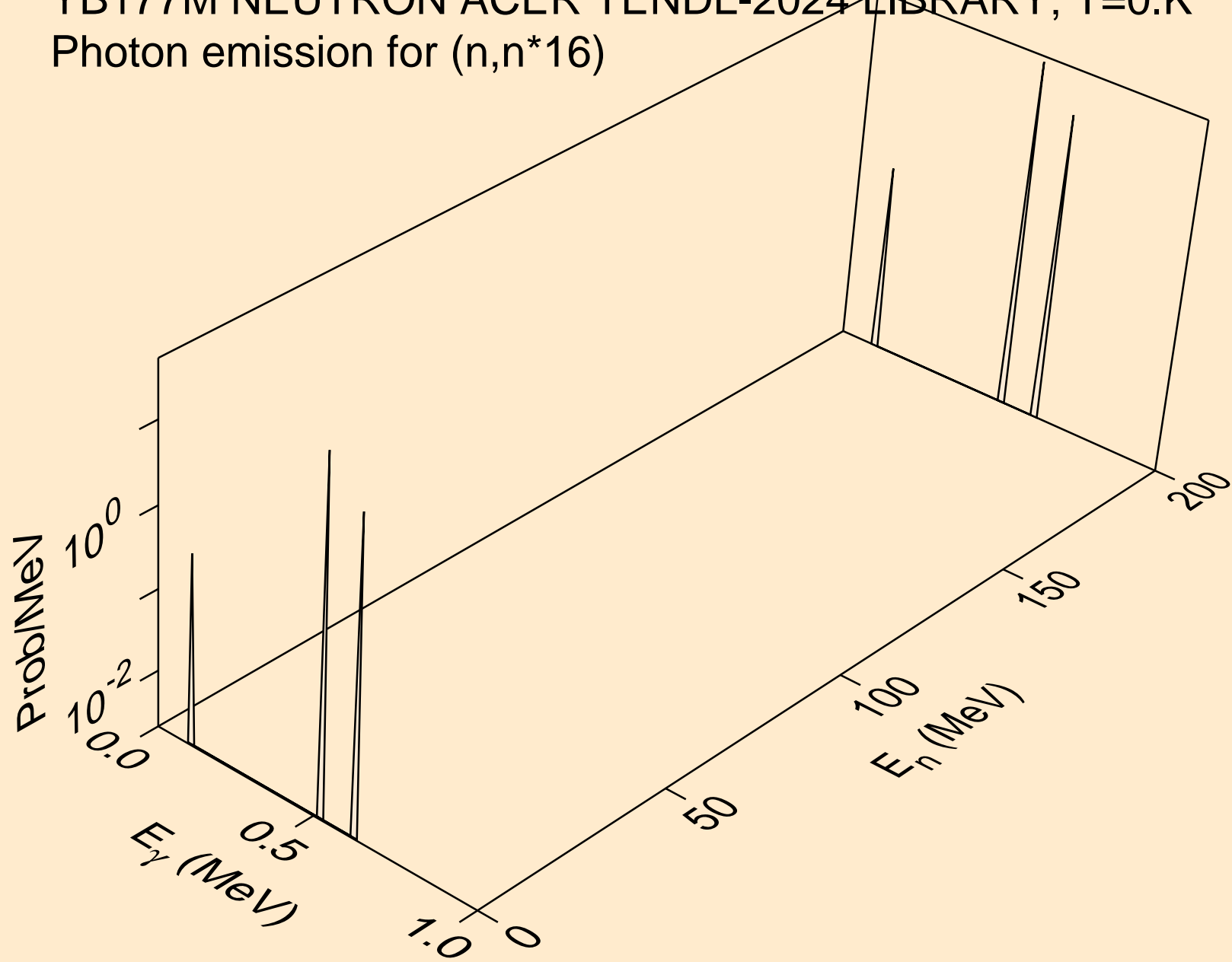
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Photon emission for (n,n\*14)



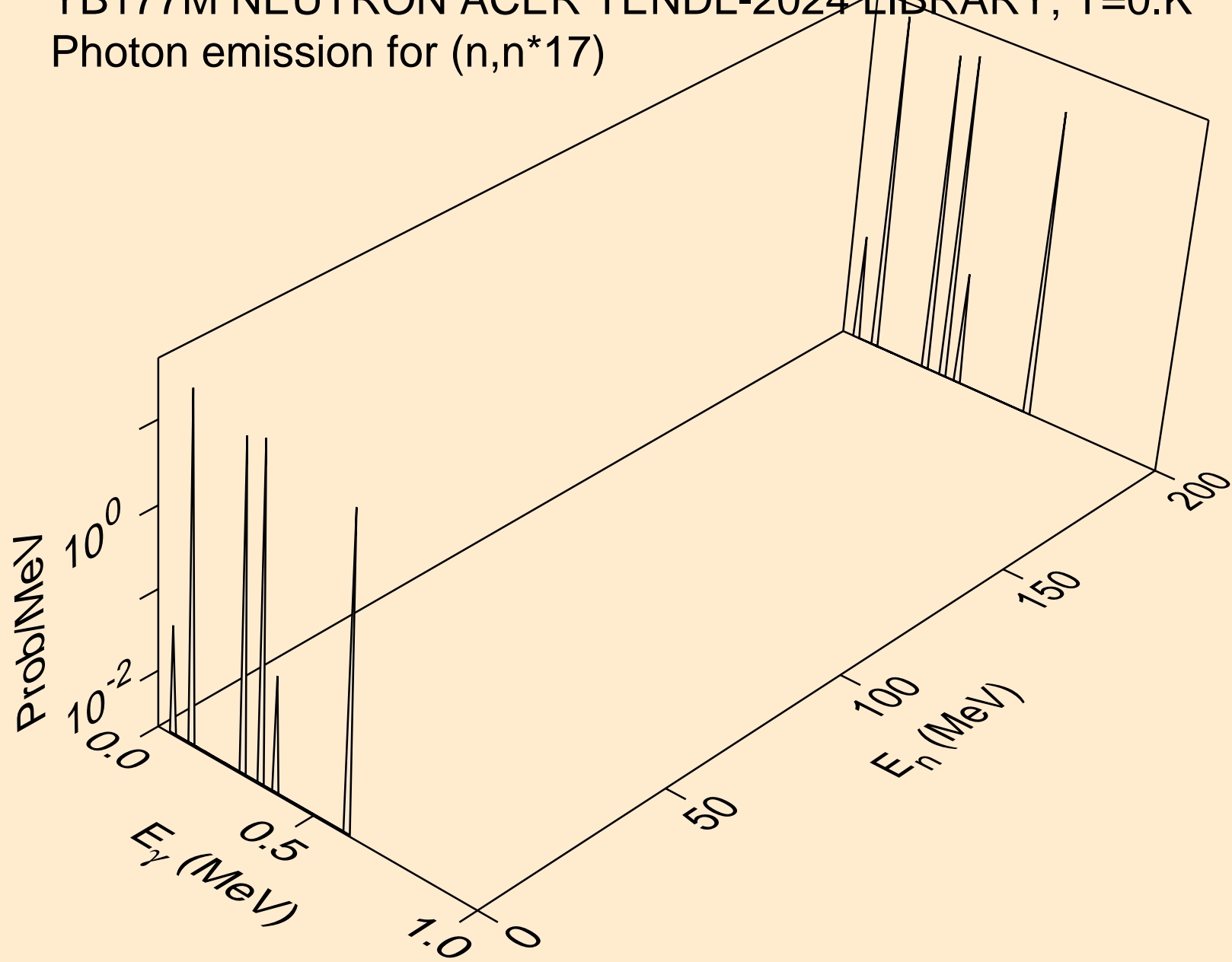
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Photon emission for (n,n\*15)



YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*16)

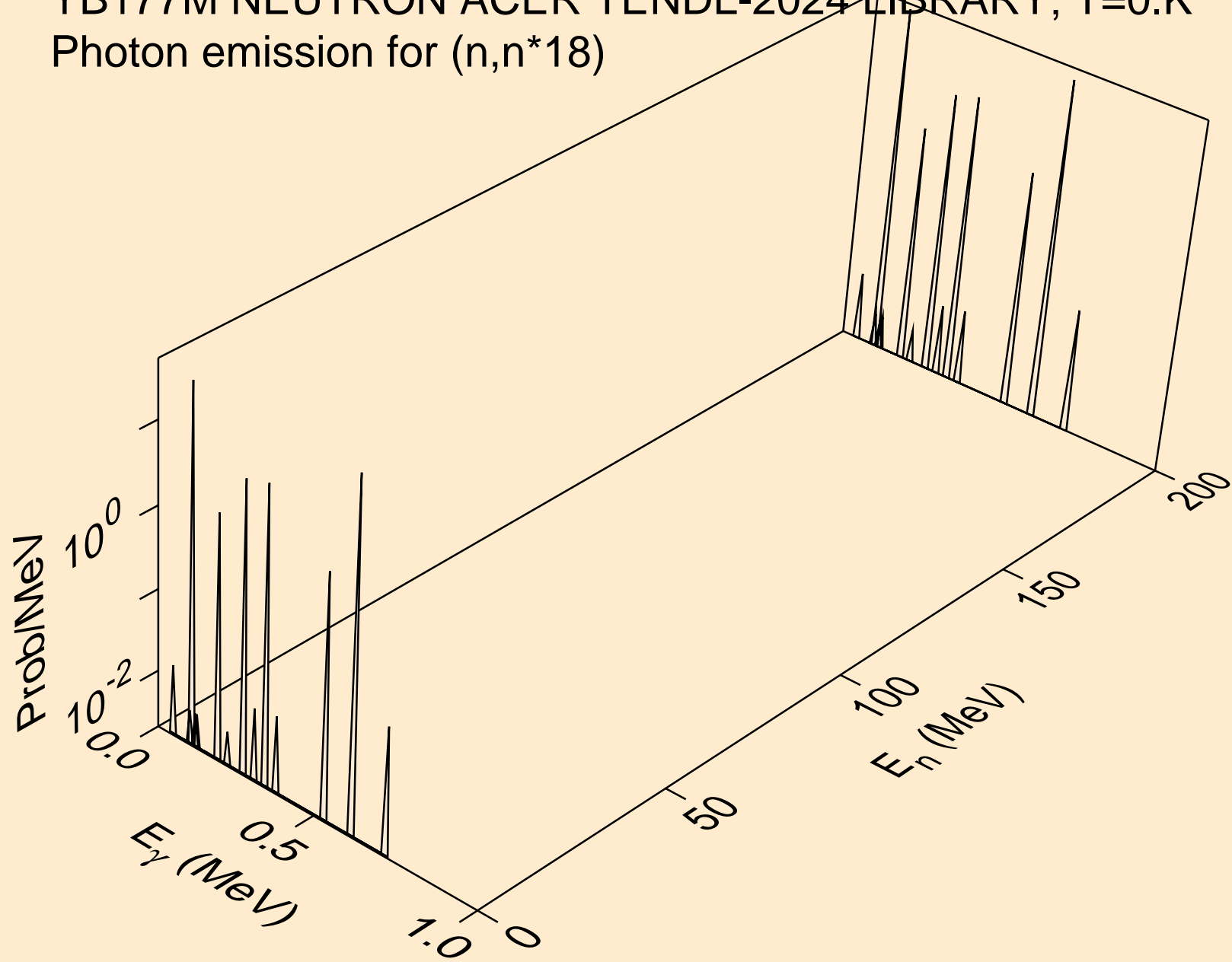


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Photon emission for (n,n\*17)

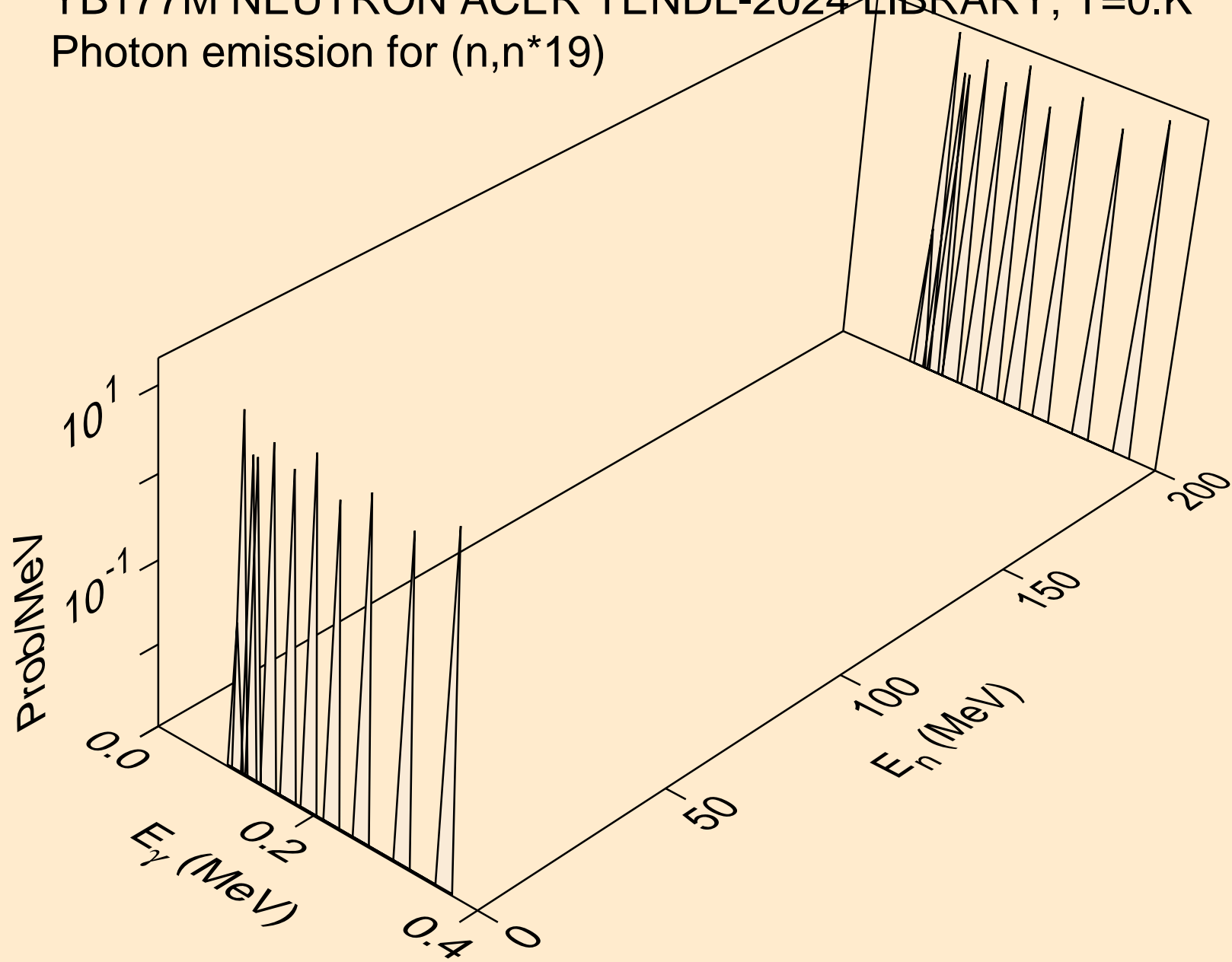




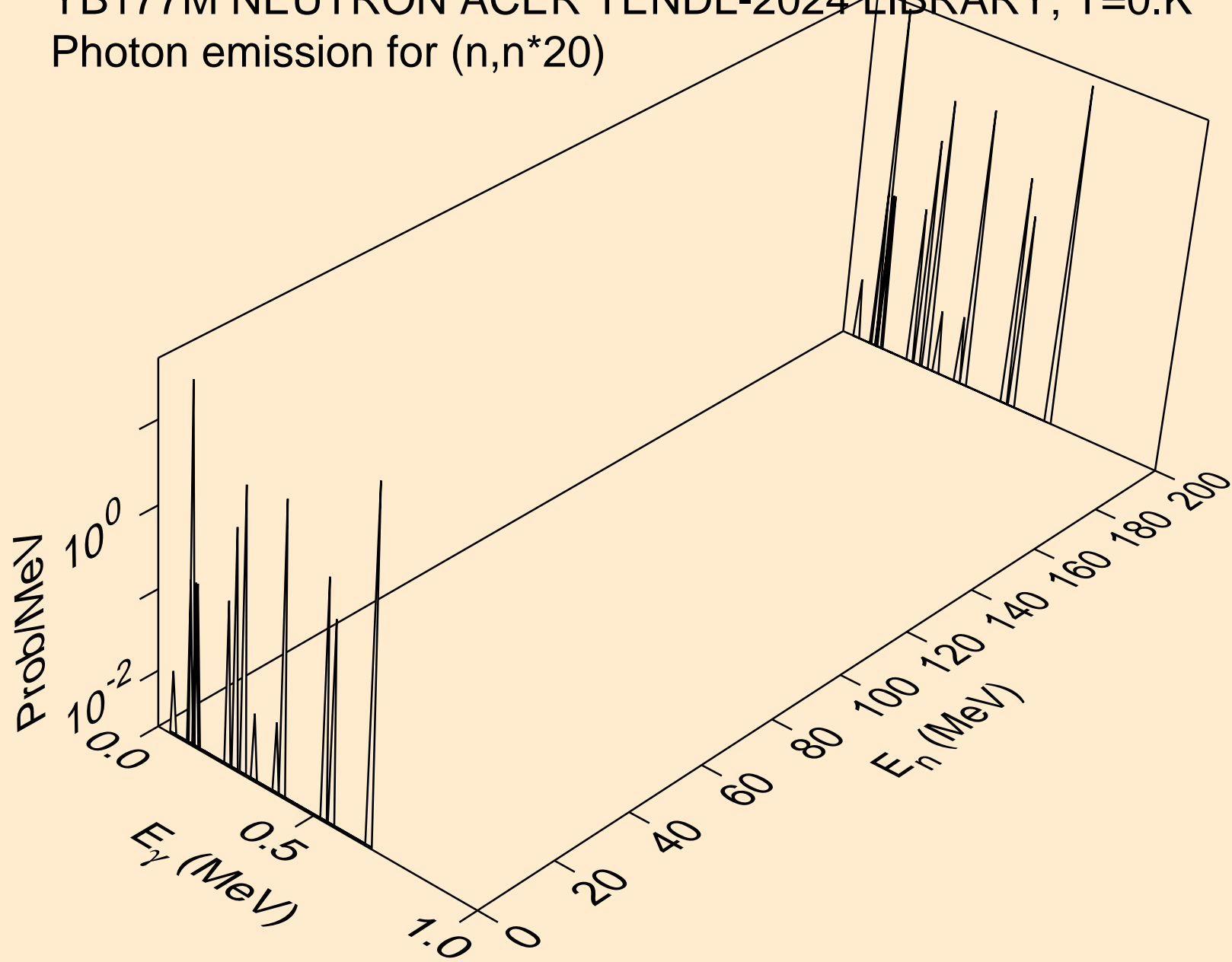
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Photon emission for (n,n\*18)



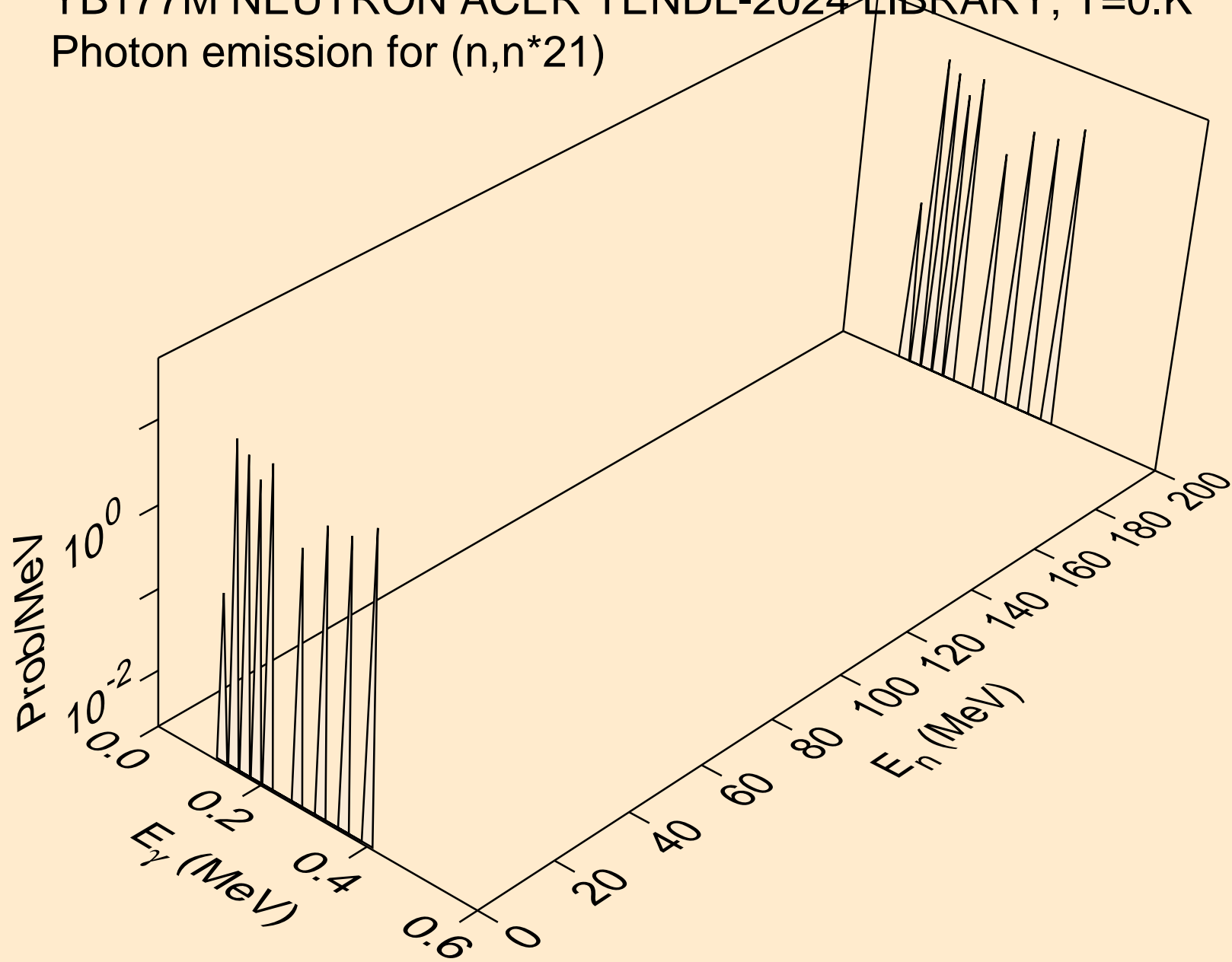
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Photon emission for (n,n\*19)



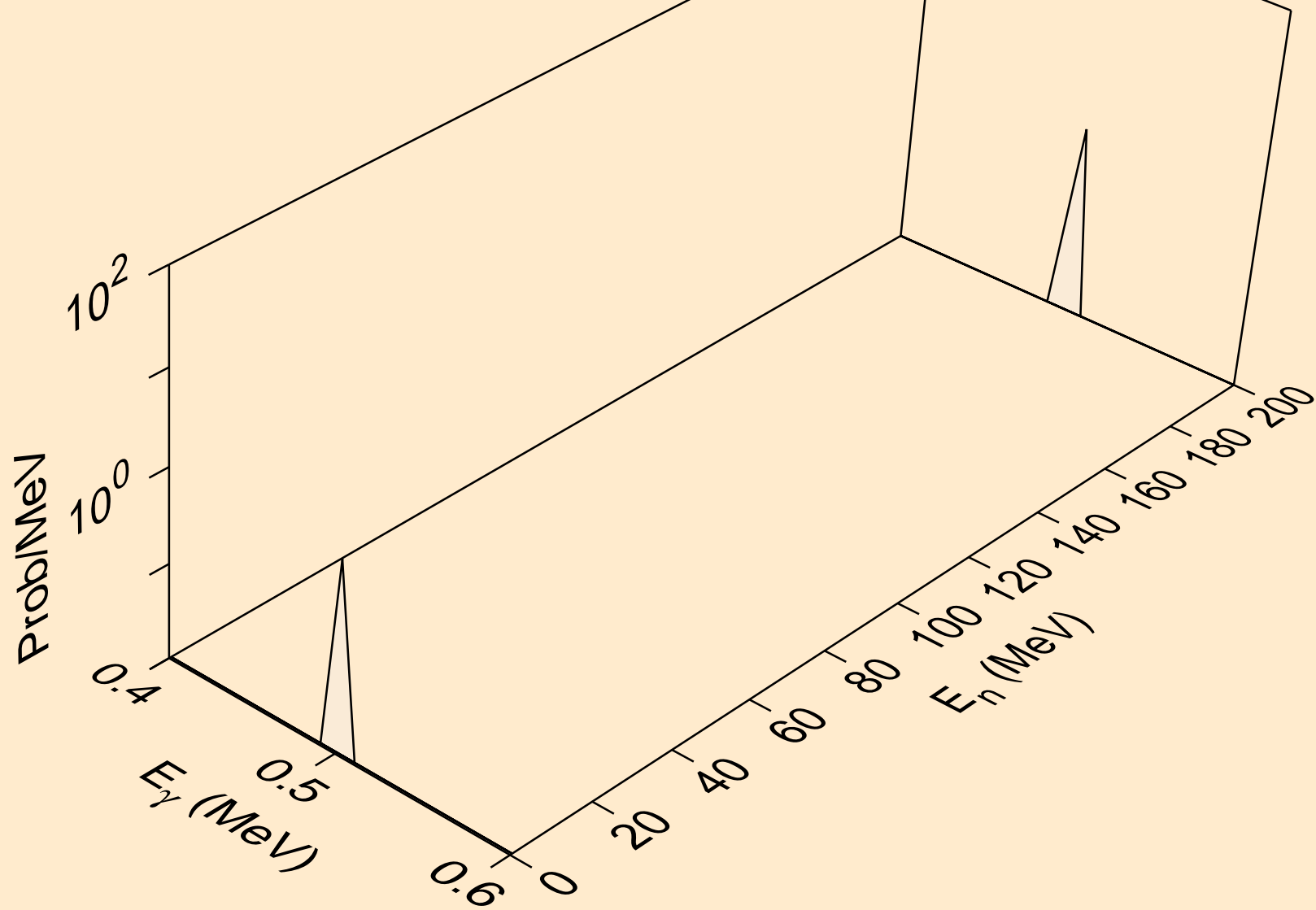
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Photon emission for (n,n\*20)



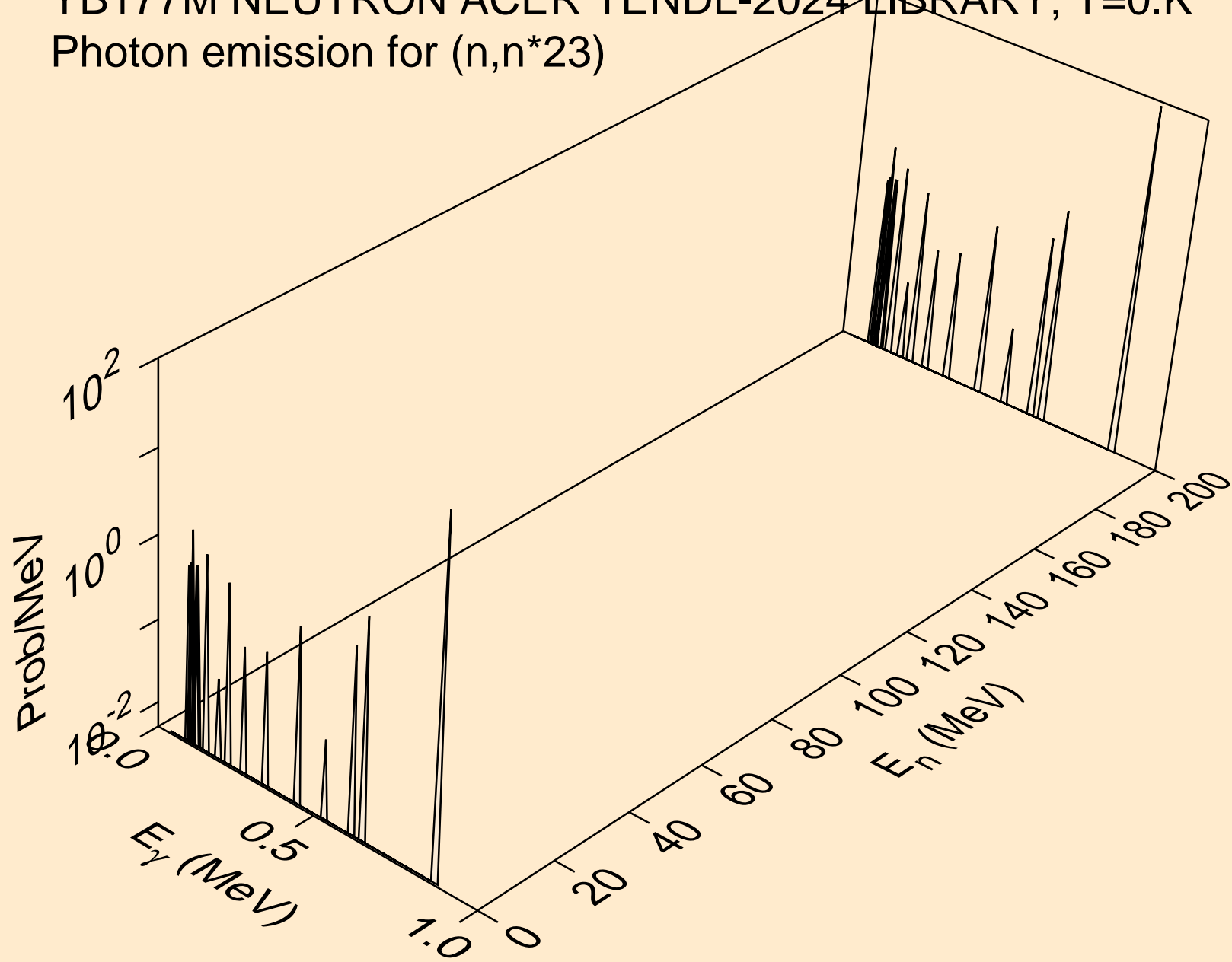
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Photon emission for (n,n\*21)



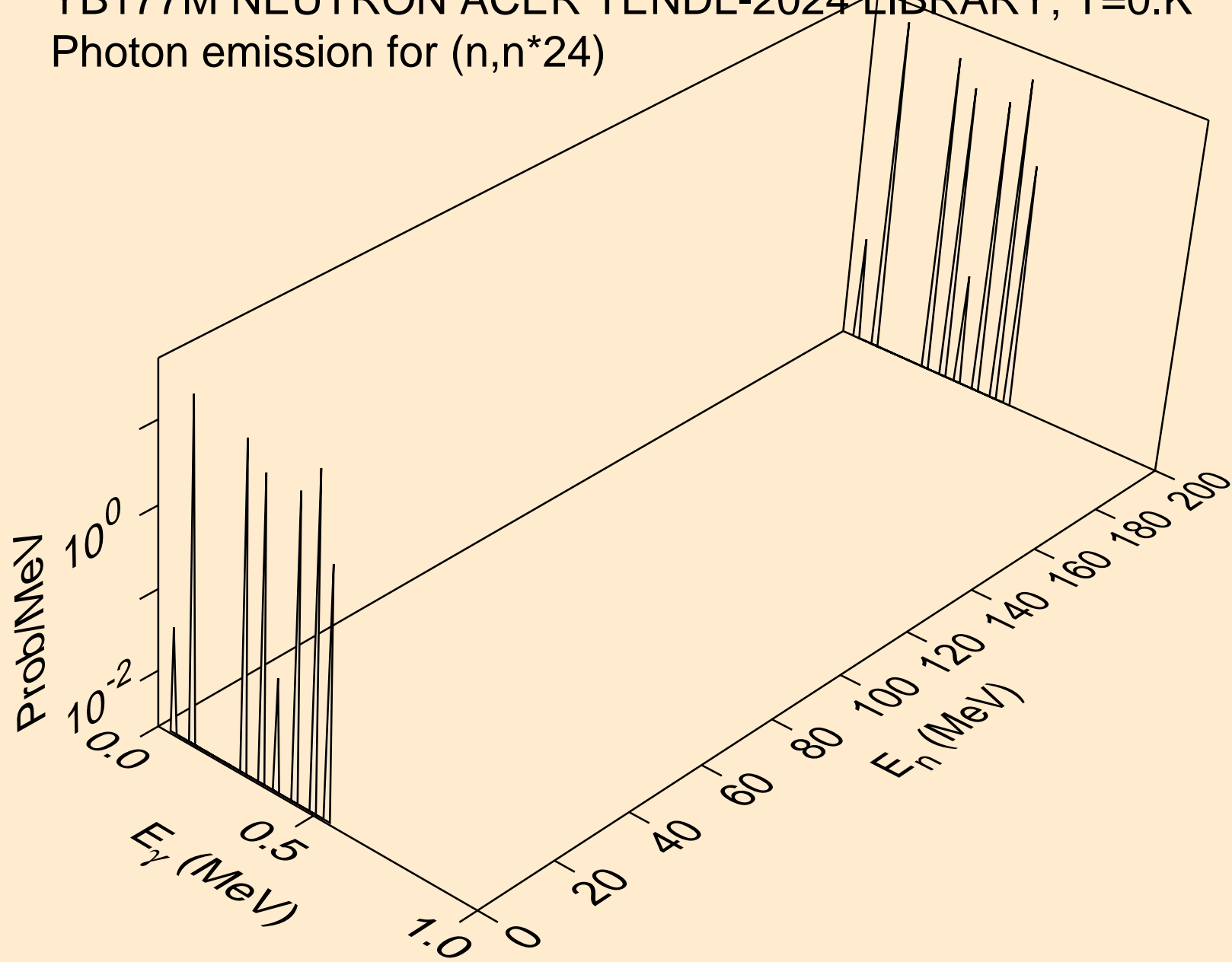
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Photon emission for (n,n\*22)



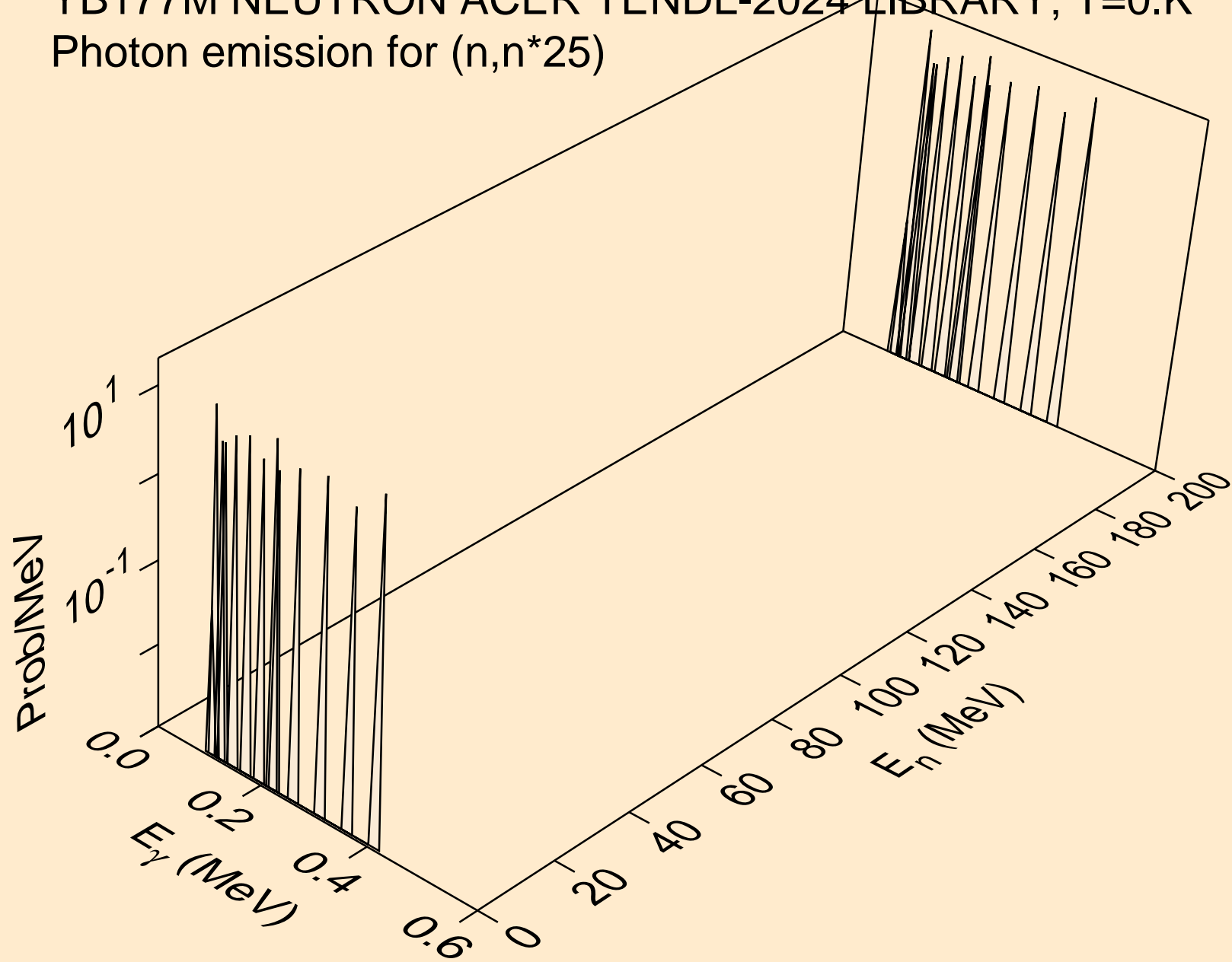
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Photon emission for (n,n\*23)



YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*24)

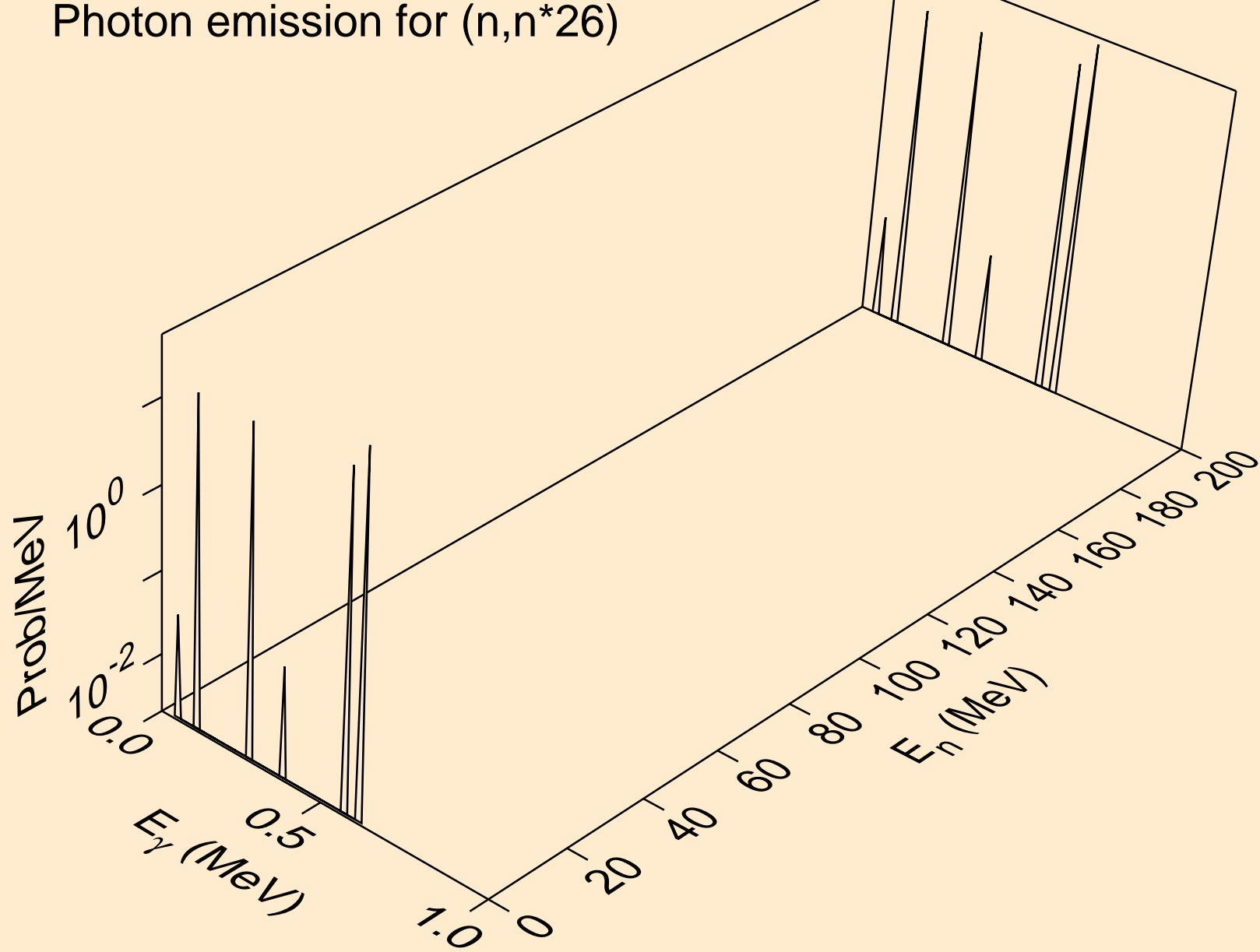


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Photon emission for (n,n\*25)

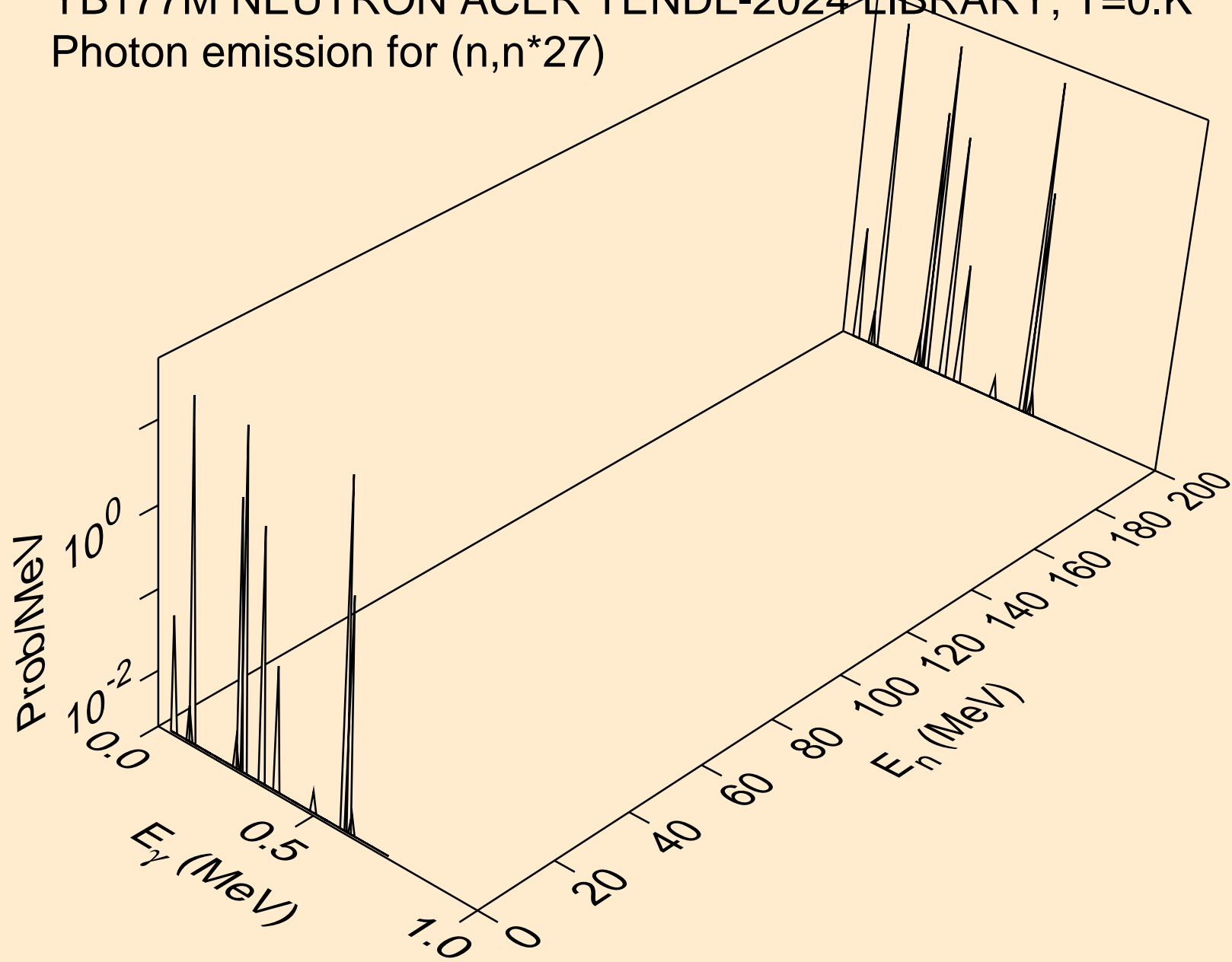




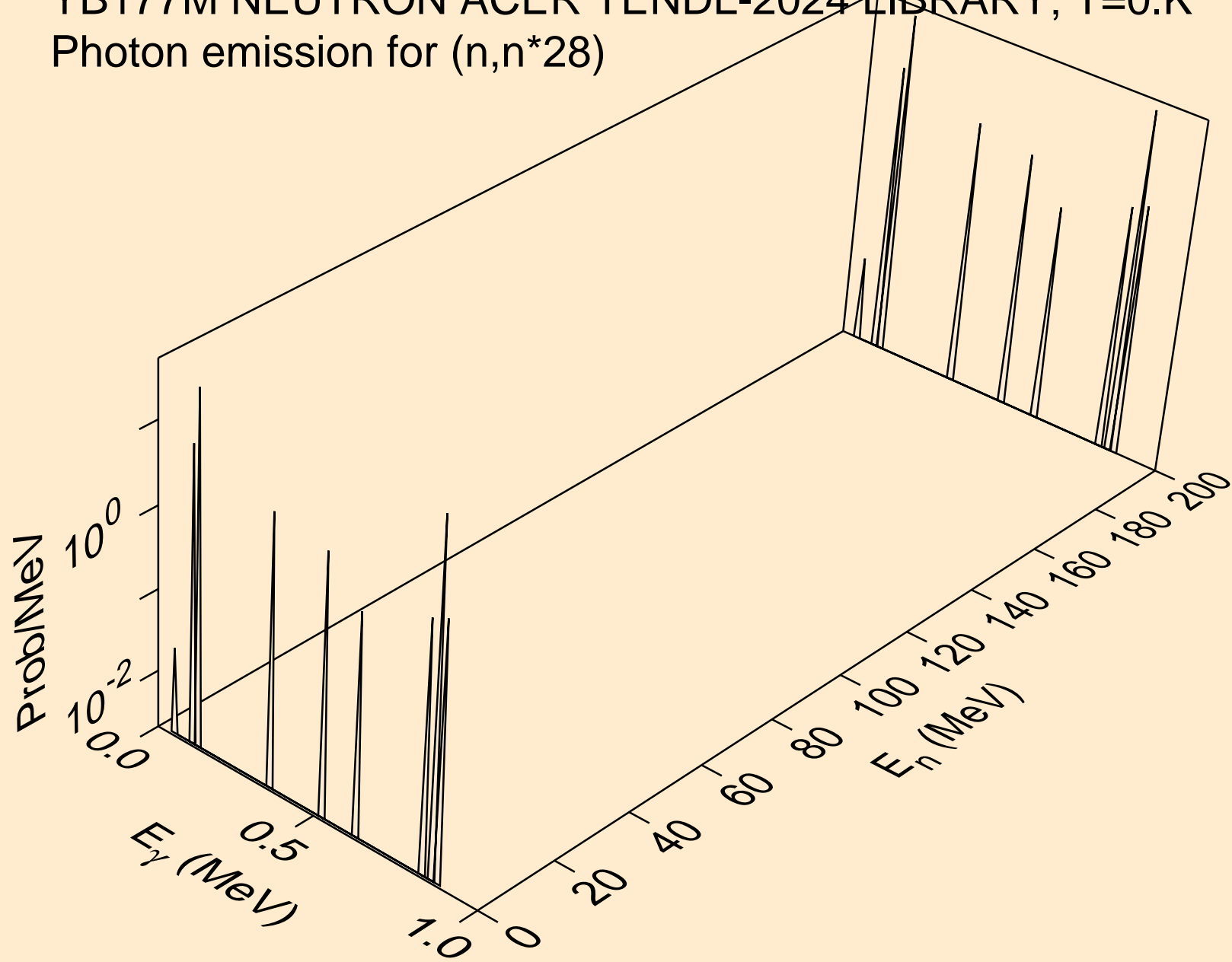
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Photon emission for (n,n\*26)



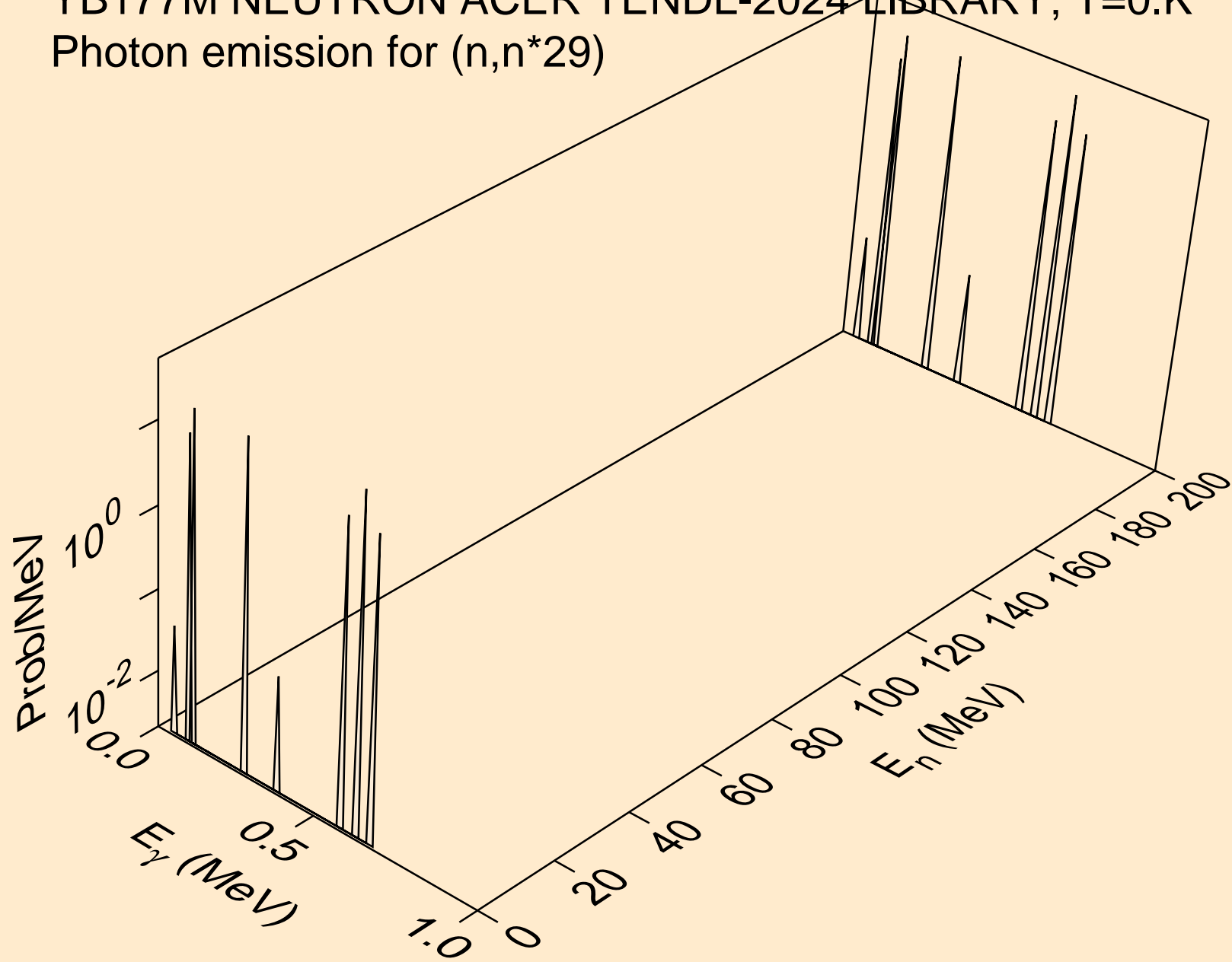
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Photon emission for (n,n\*27)



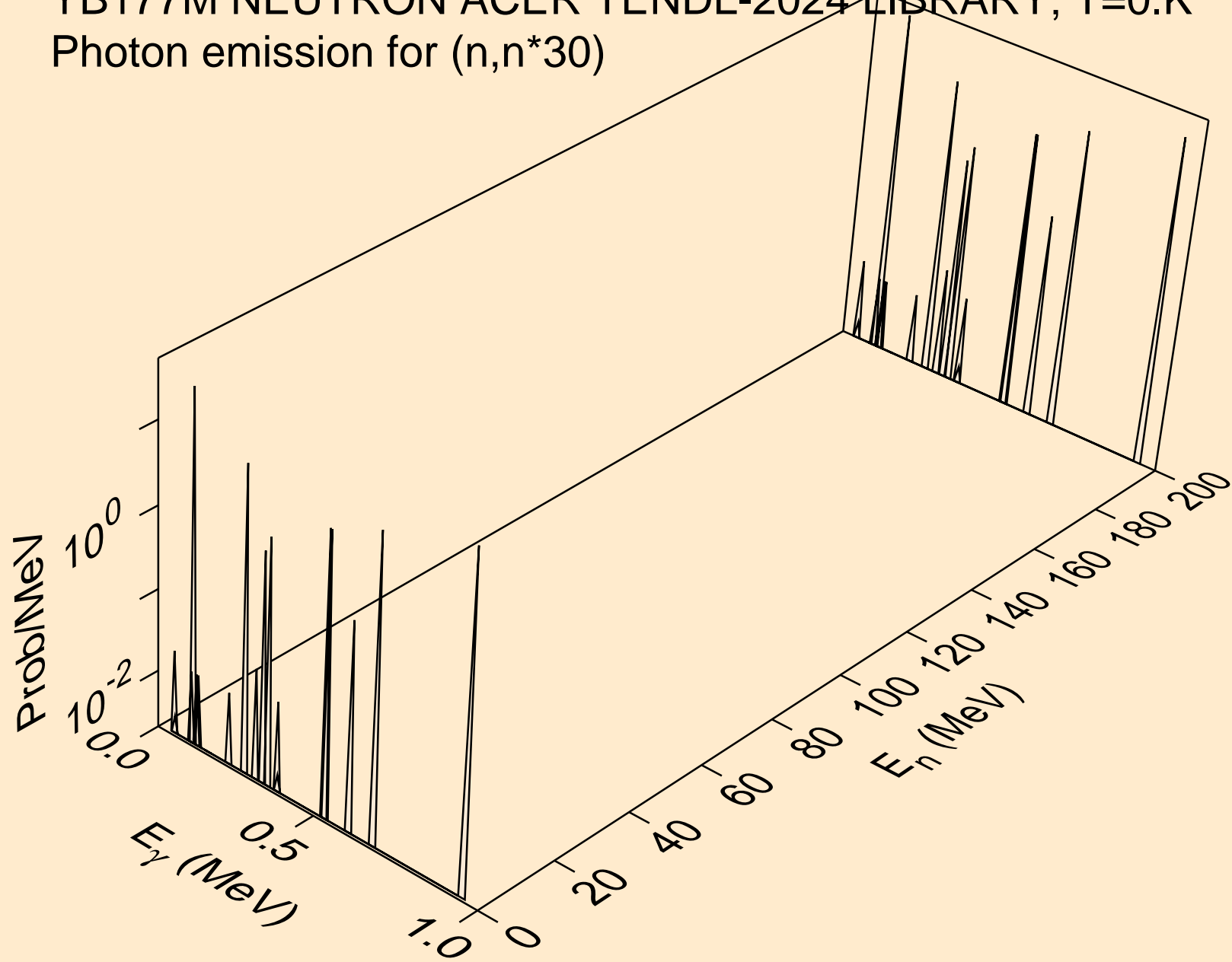
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Photon emission for (n,n\*28)



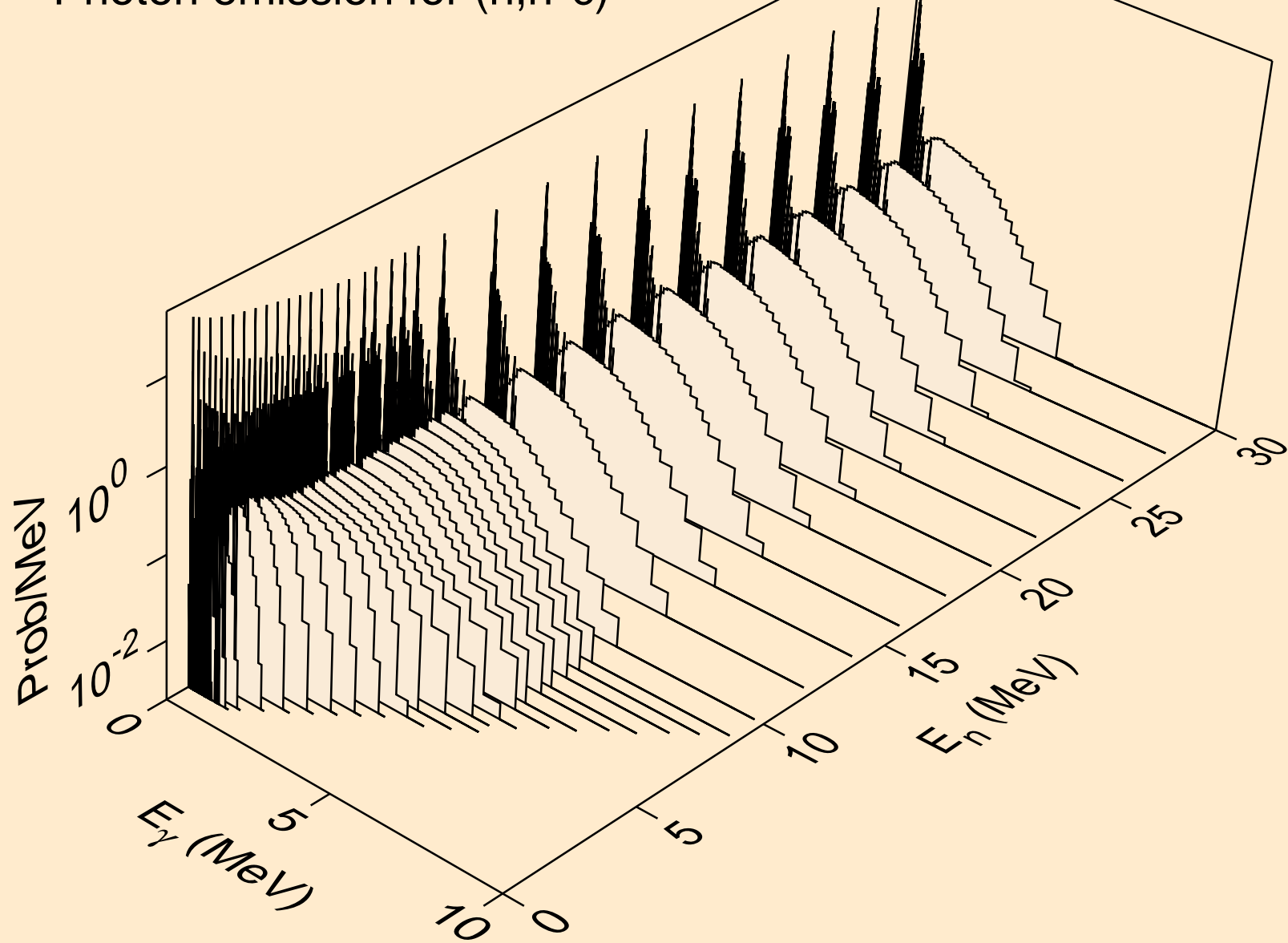
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Photon emission for (n,n\*29)



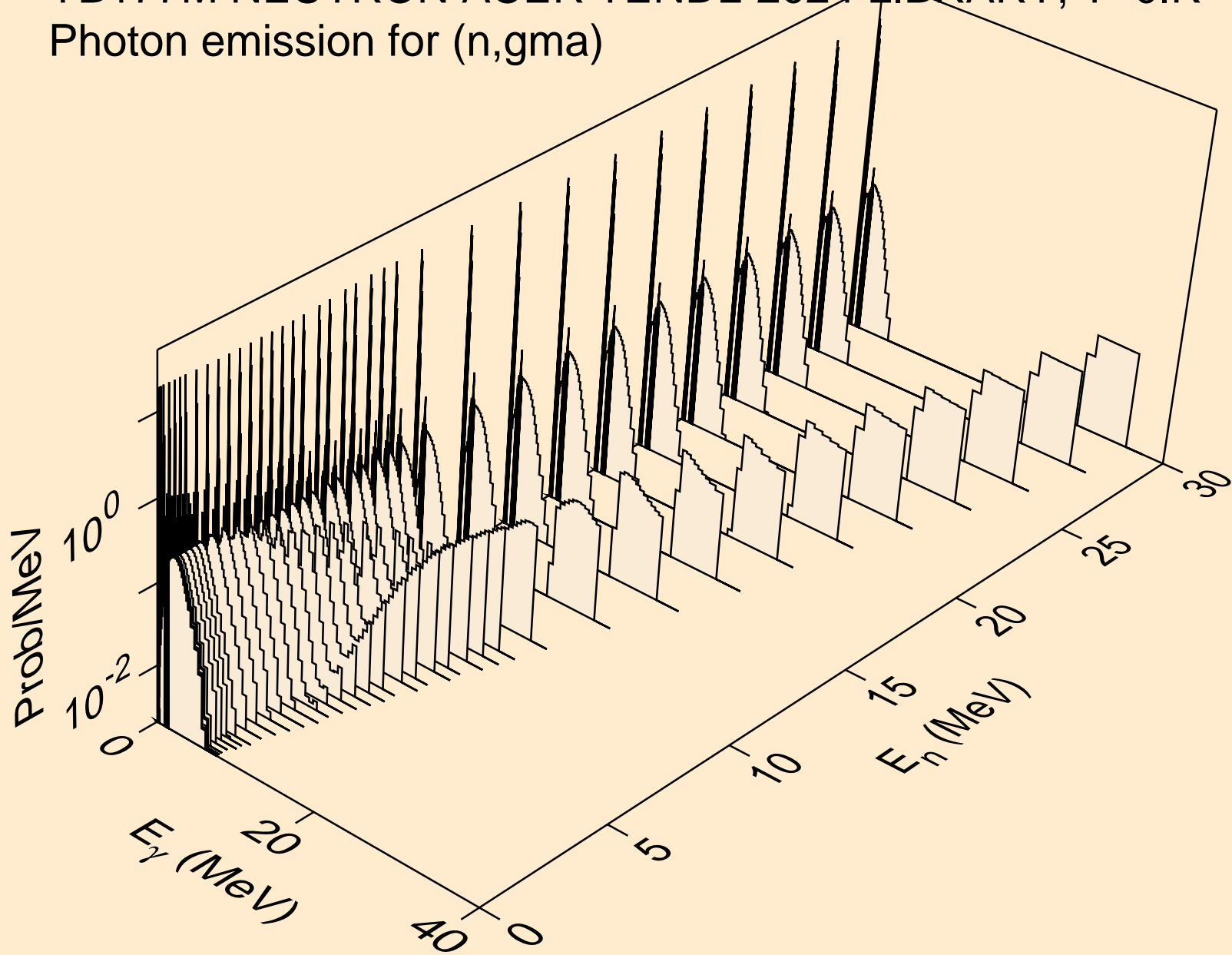
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Photon emission for (n,n\*30)



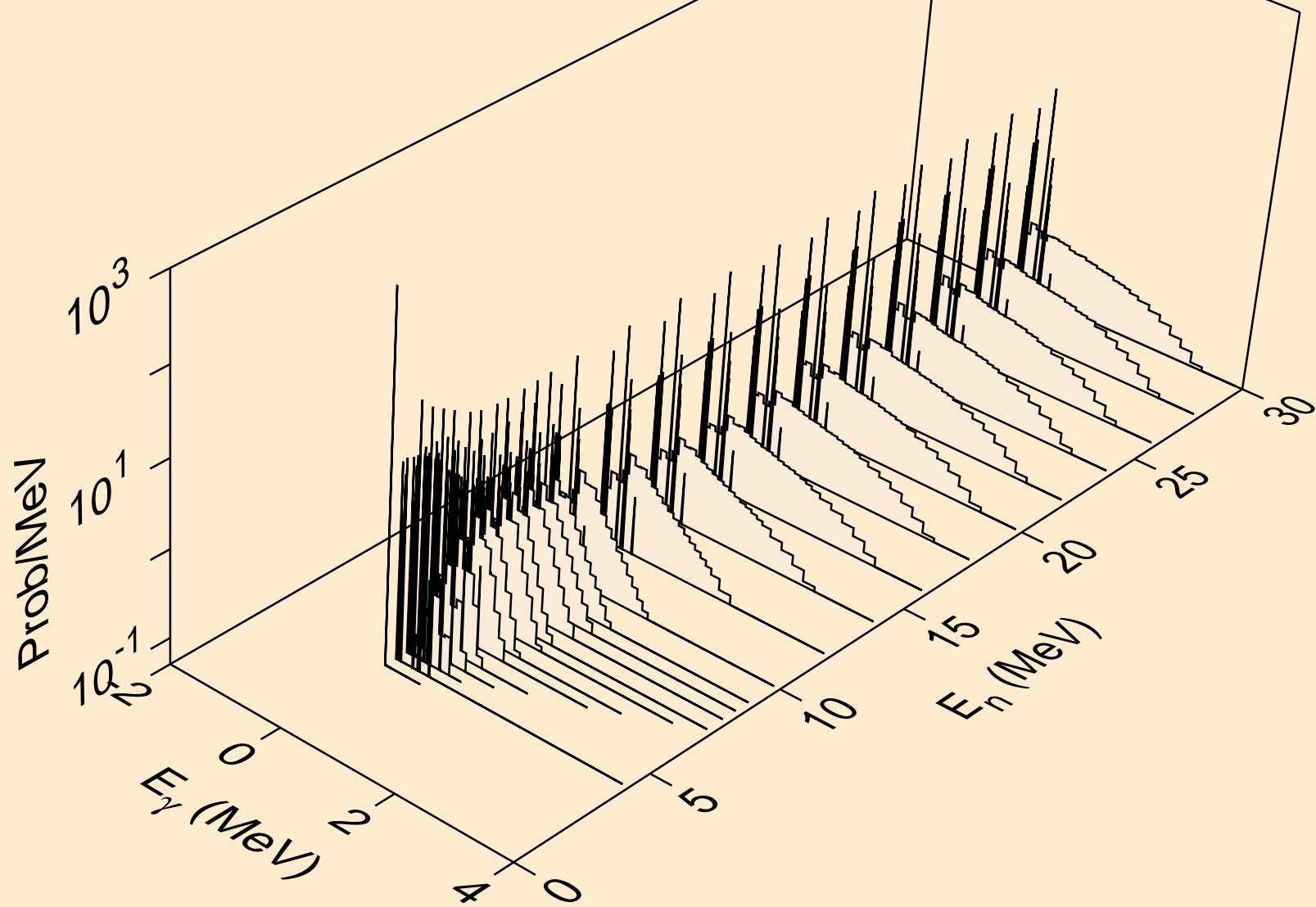
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Photon emission for (n,n\*c)



YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)

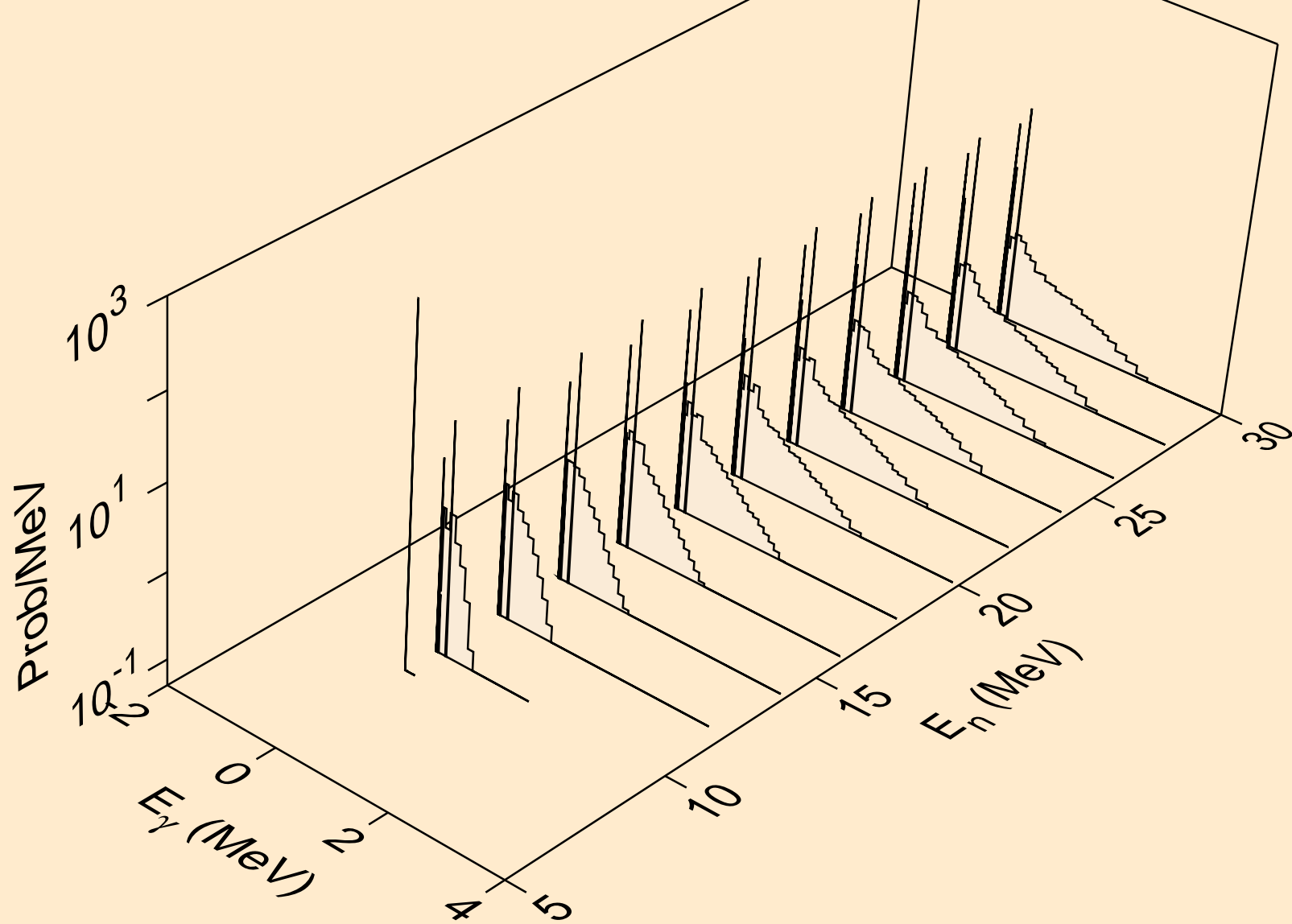


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Photon emission for (n,p)

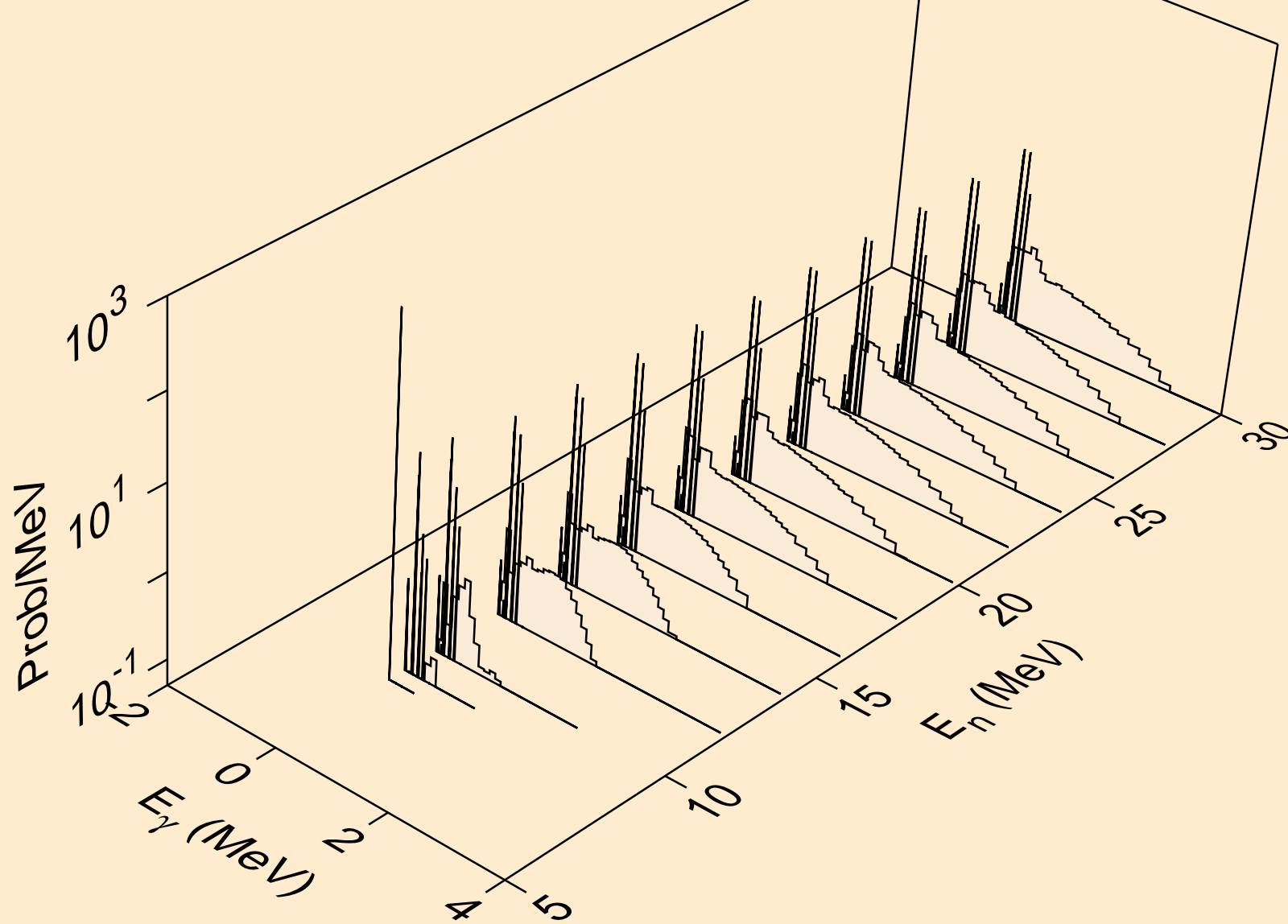




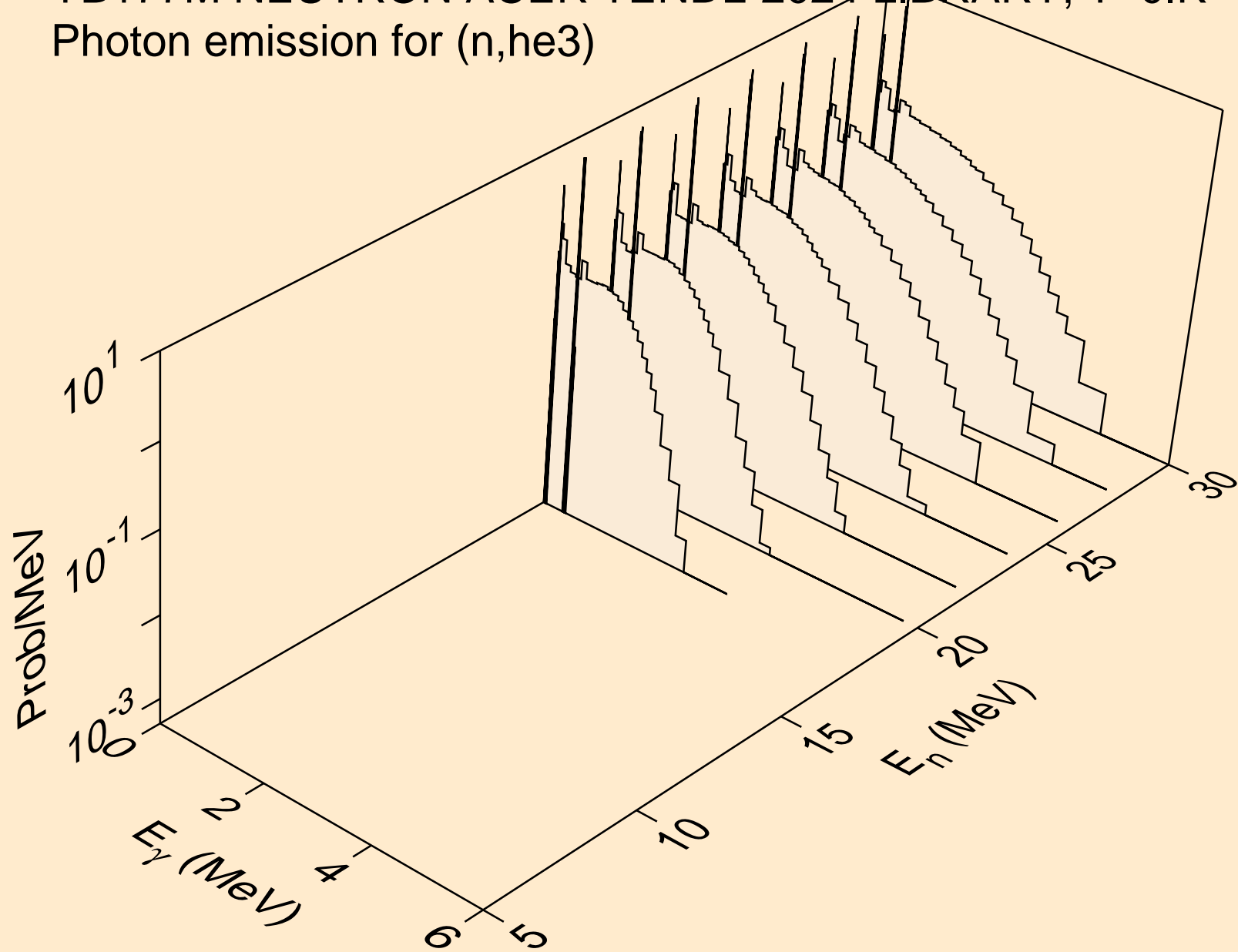
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Photon emission for (n,d)



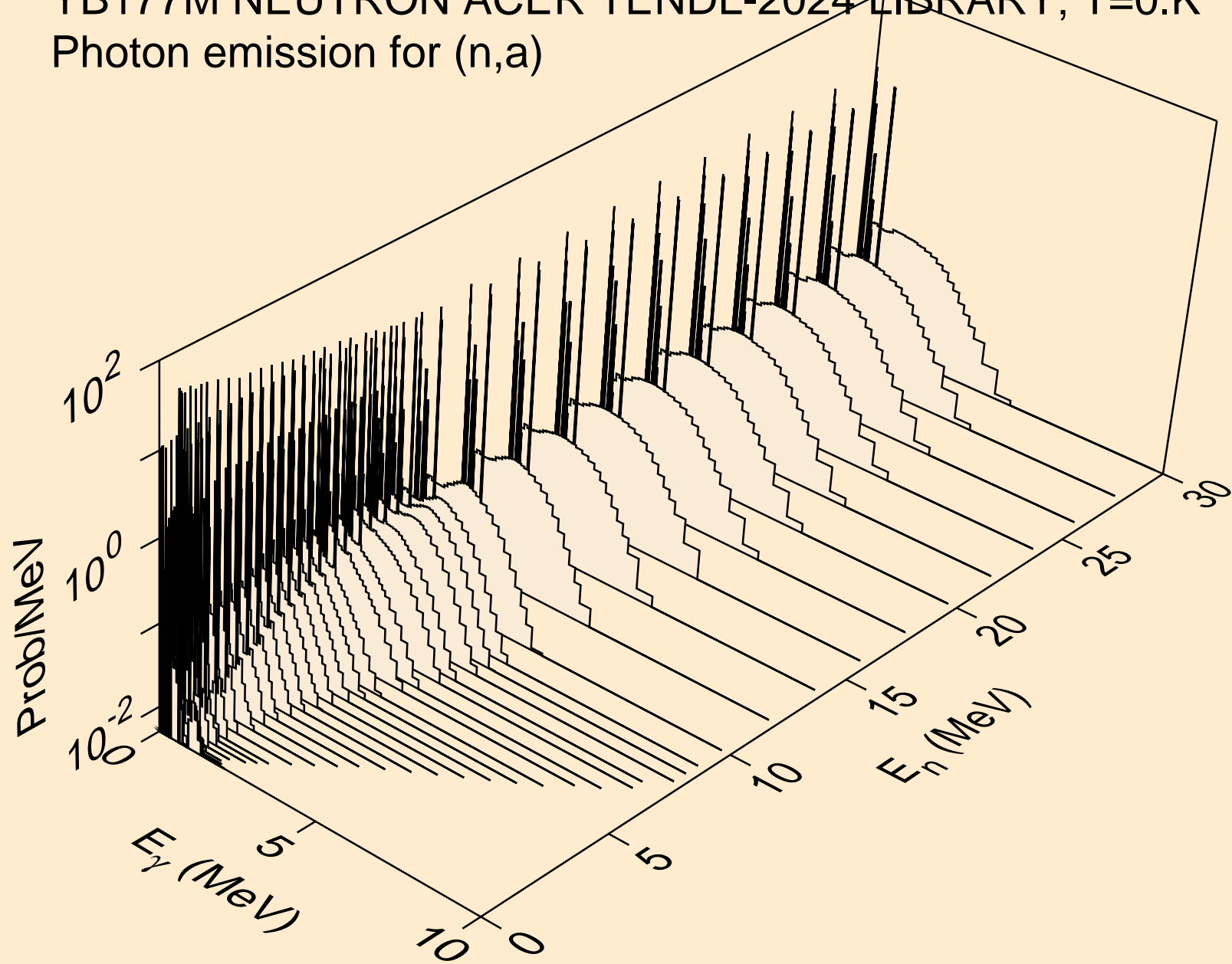
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Photon emission for (n,t)



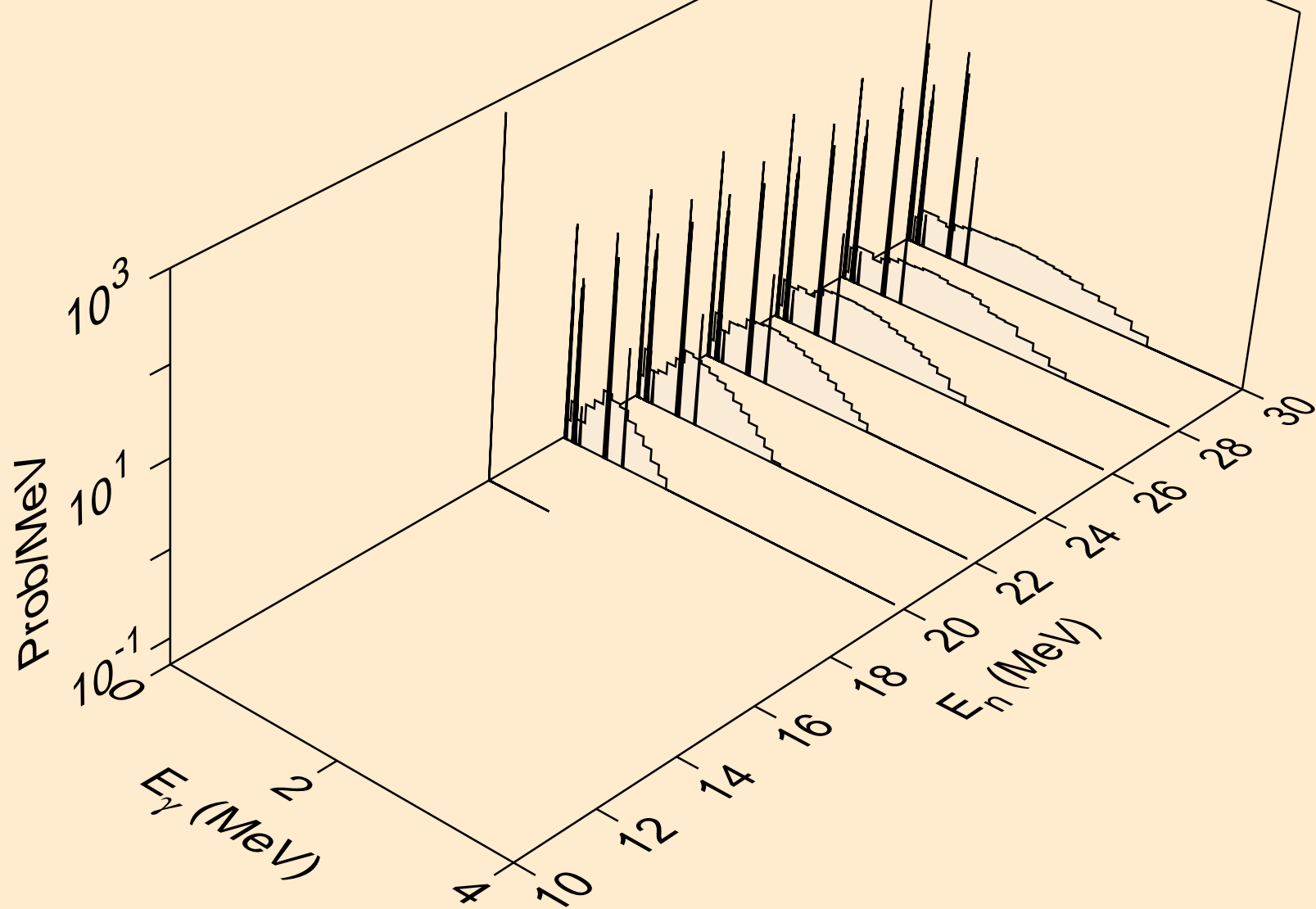
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Photon emission for (n,he3)



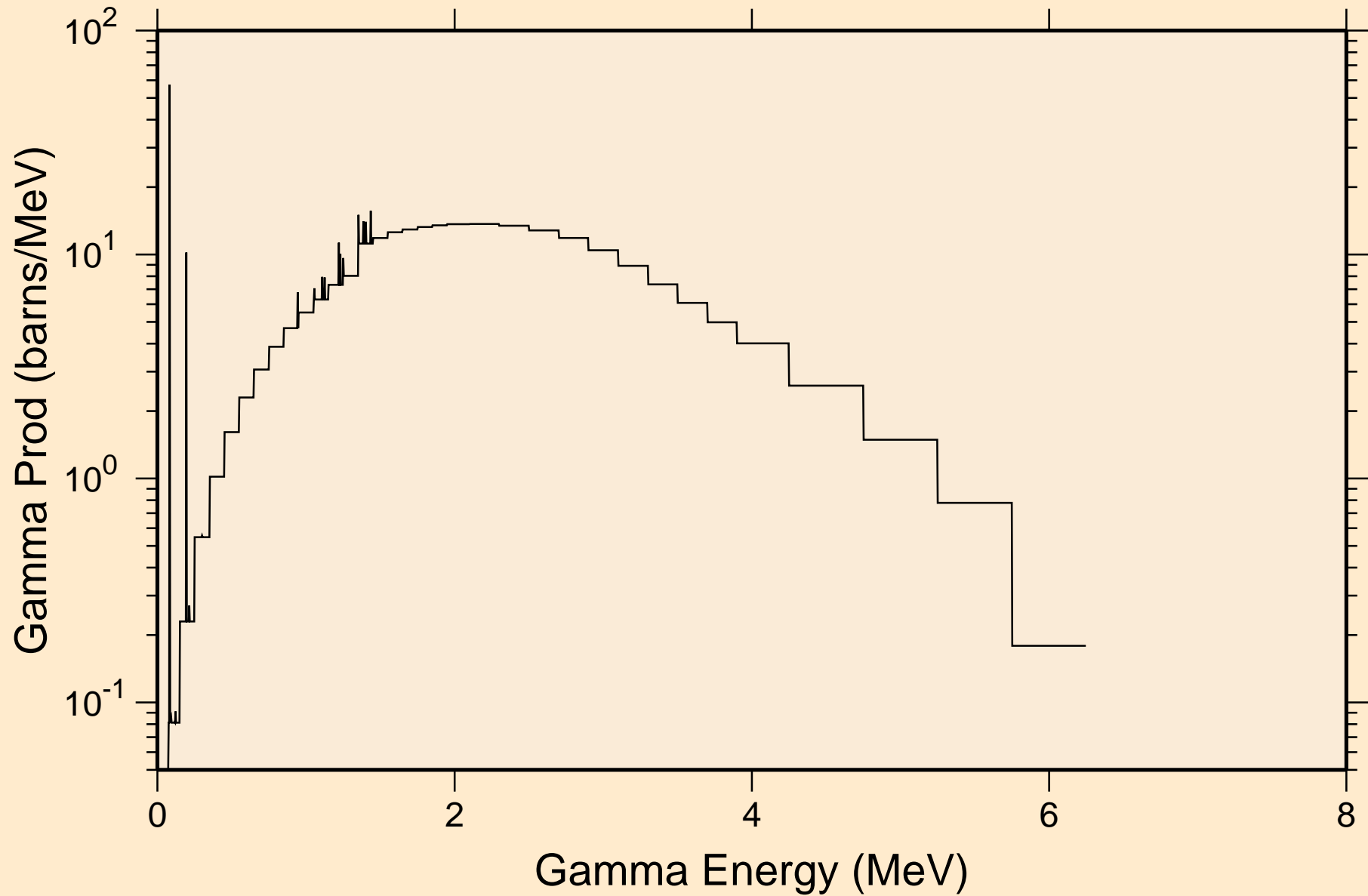
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Photon emission for (n,a)



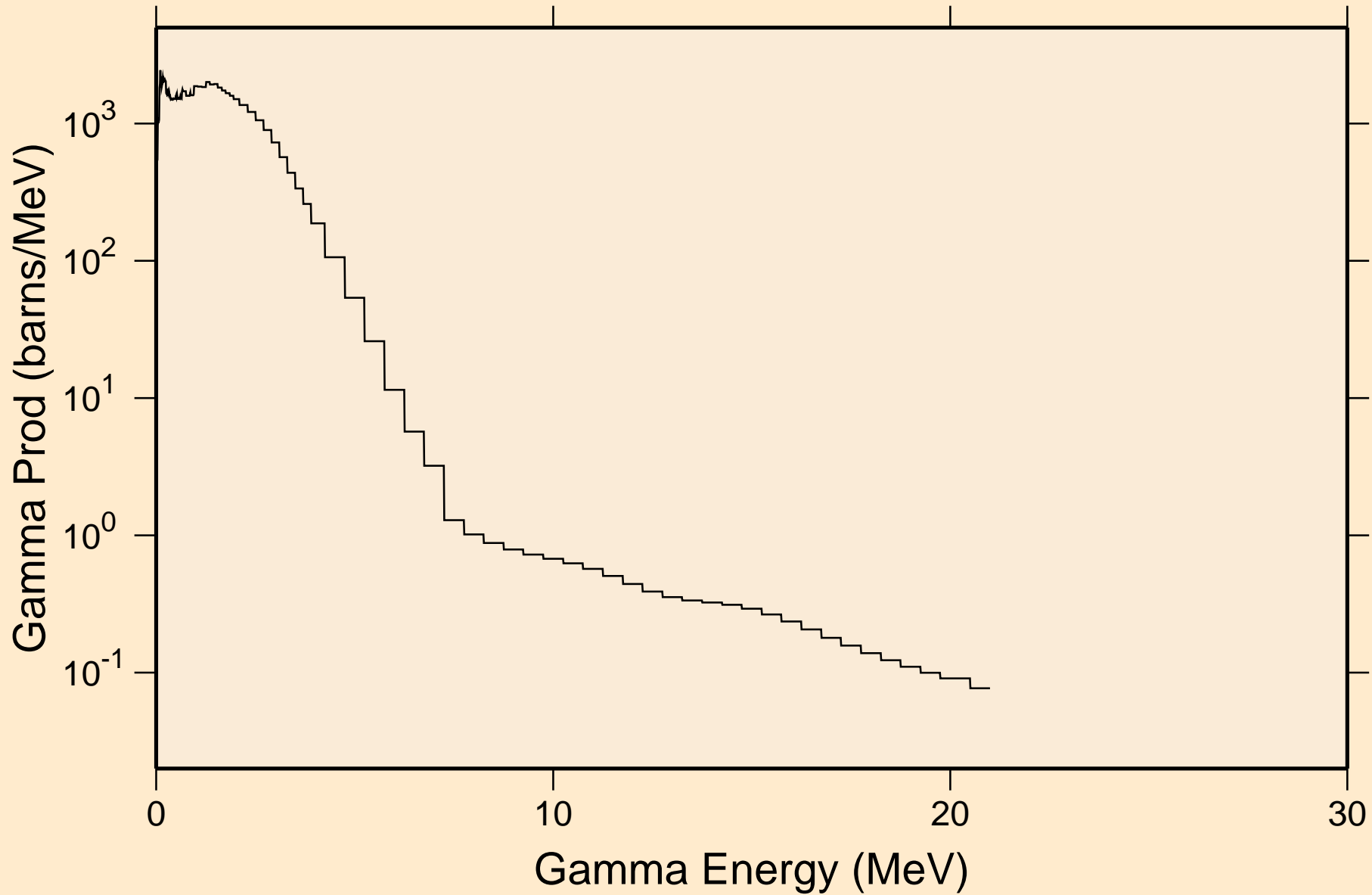
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

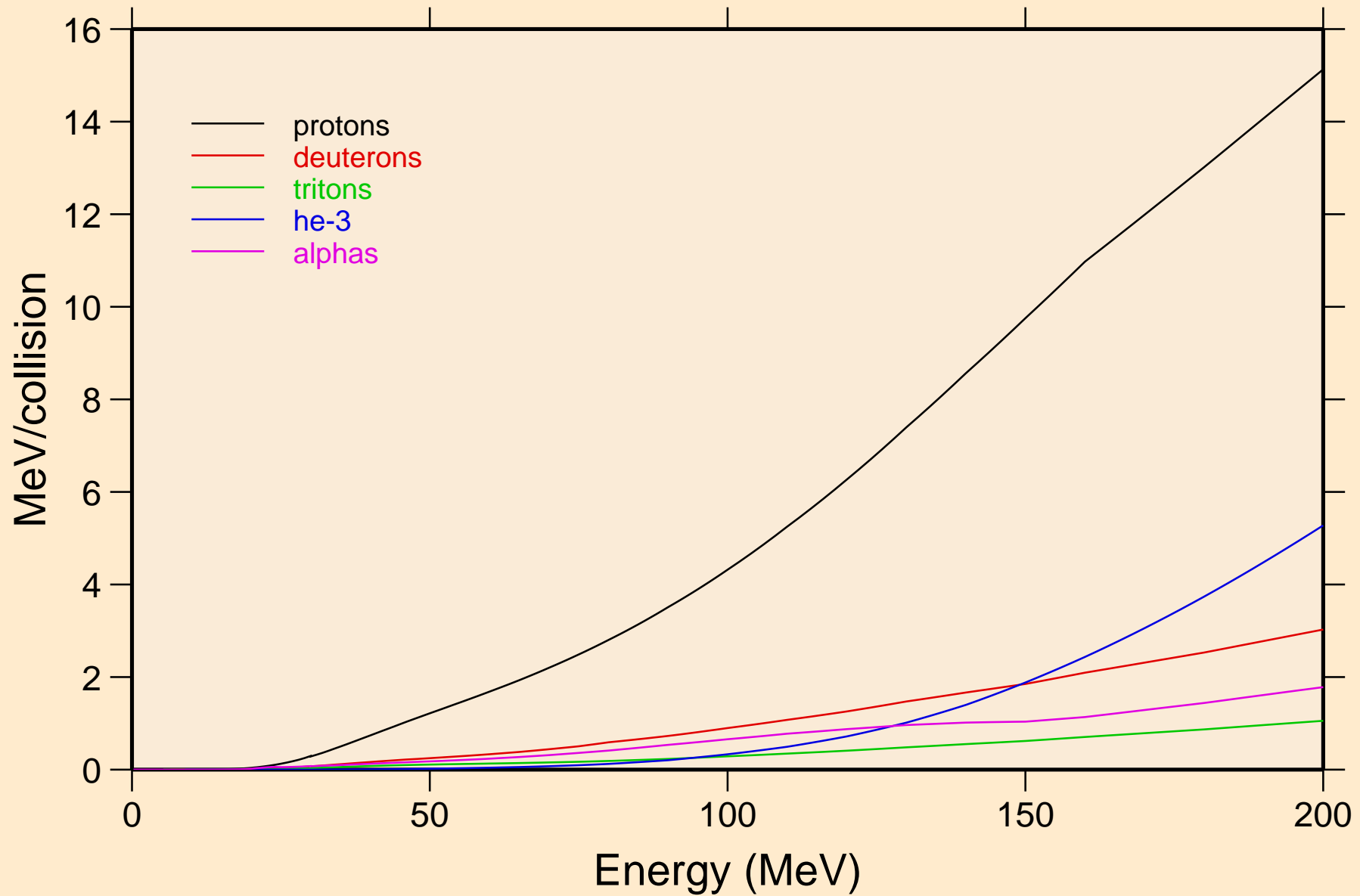


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14 MeV photon spectrum



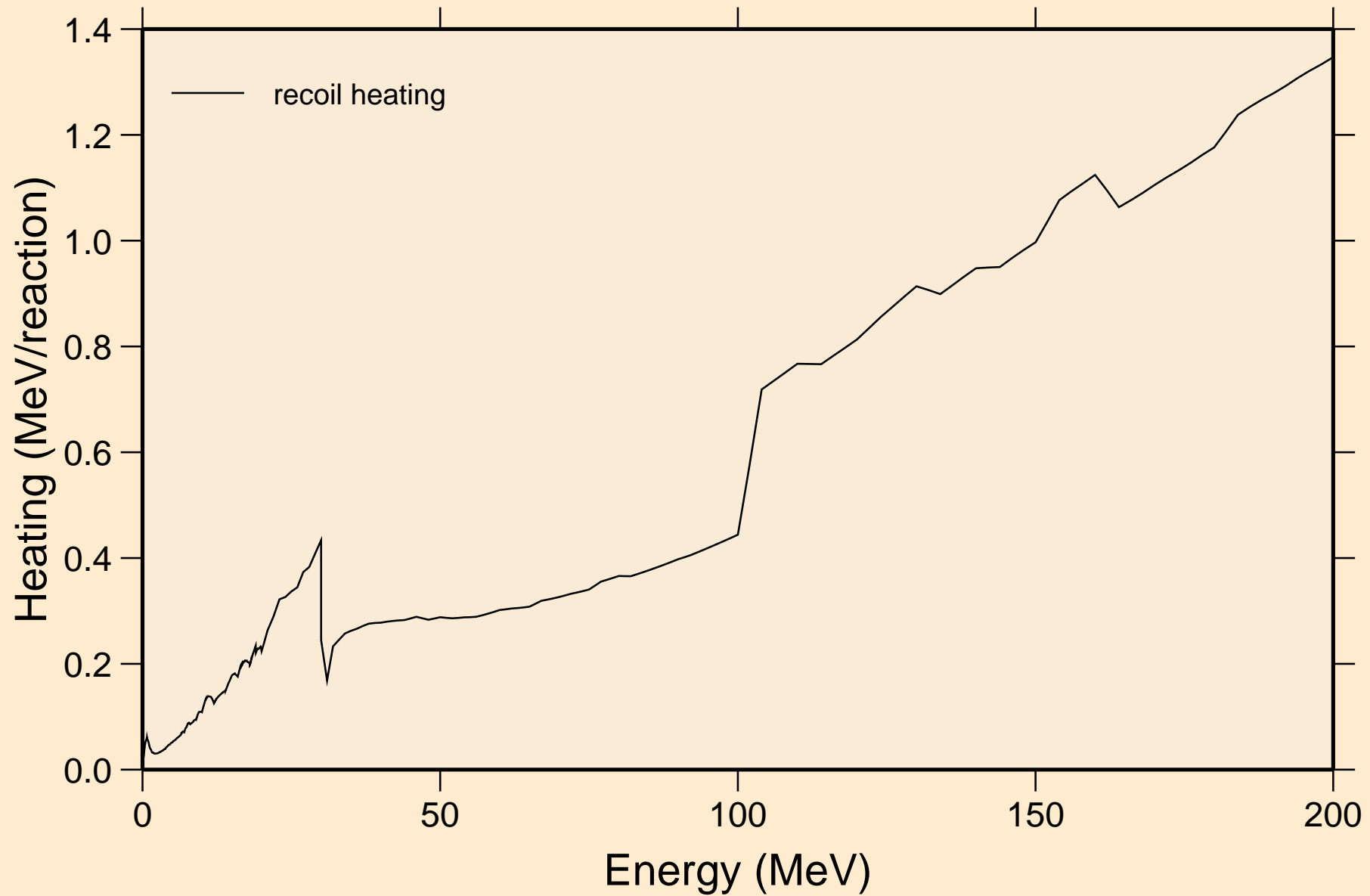
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## Particle heating contributions

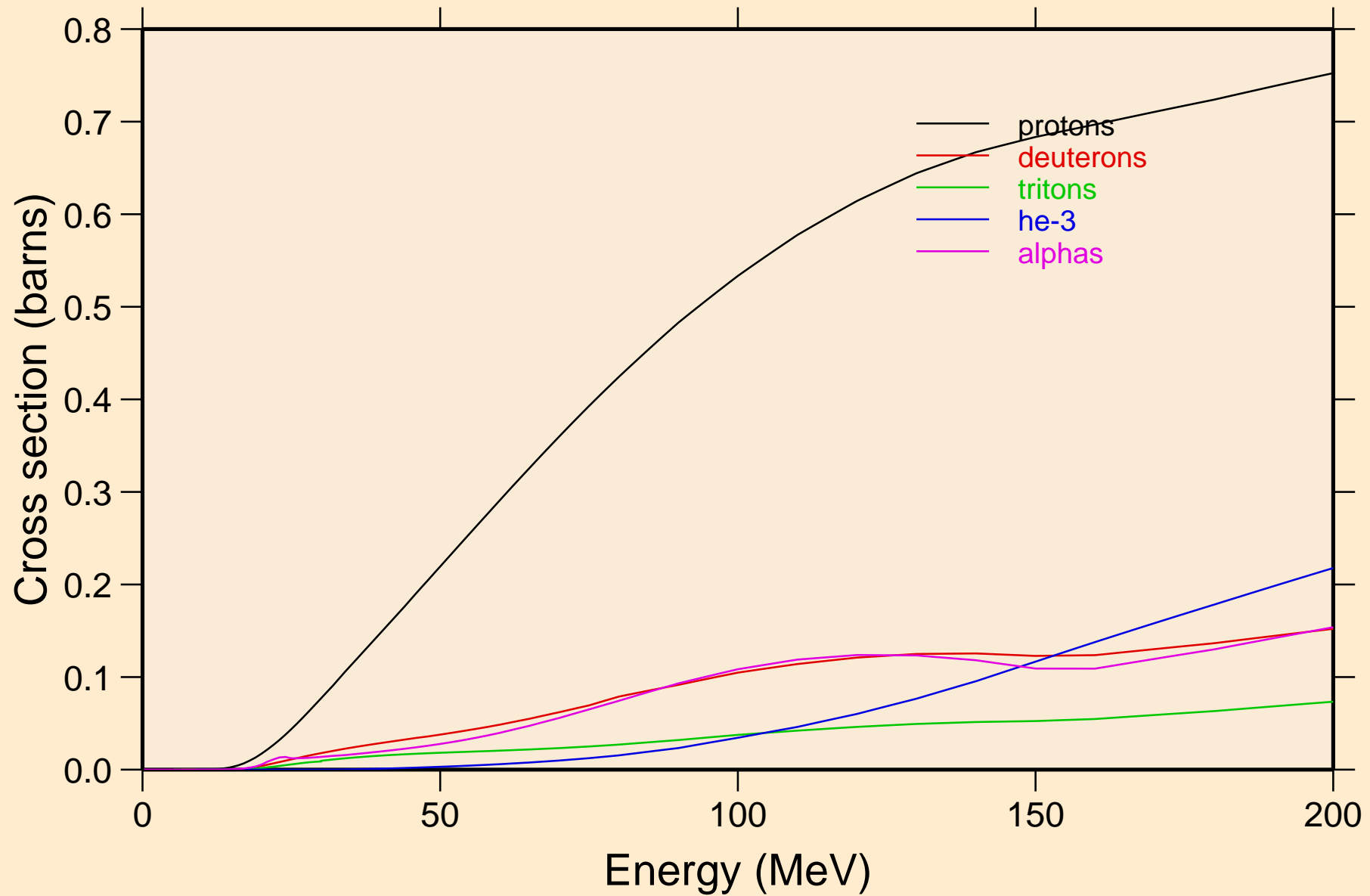




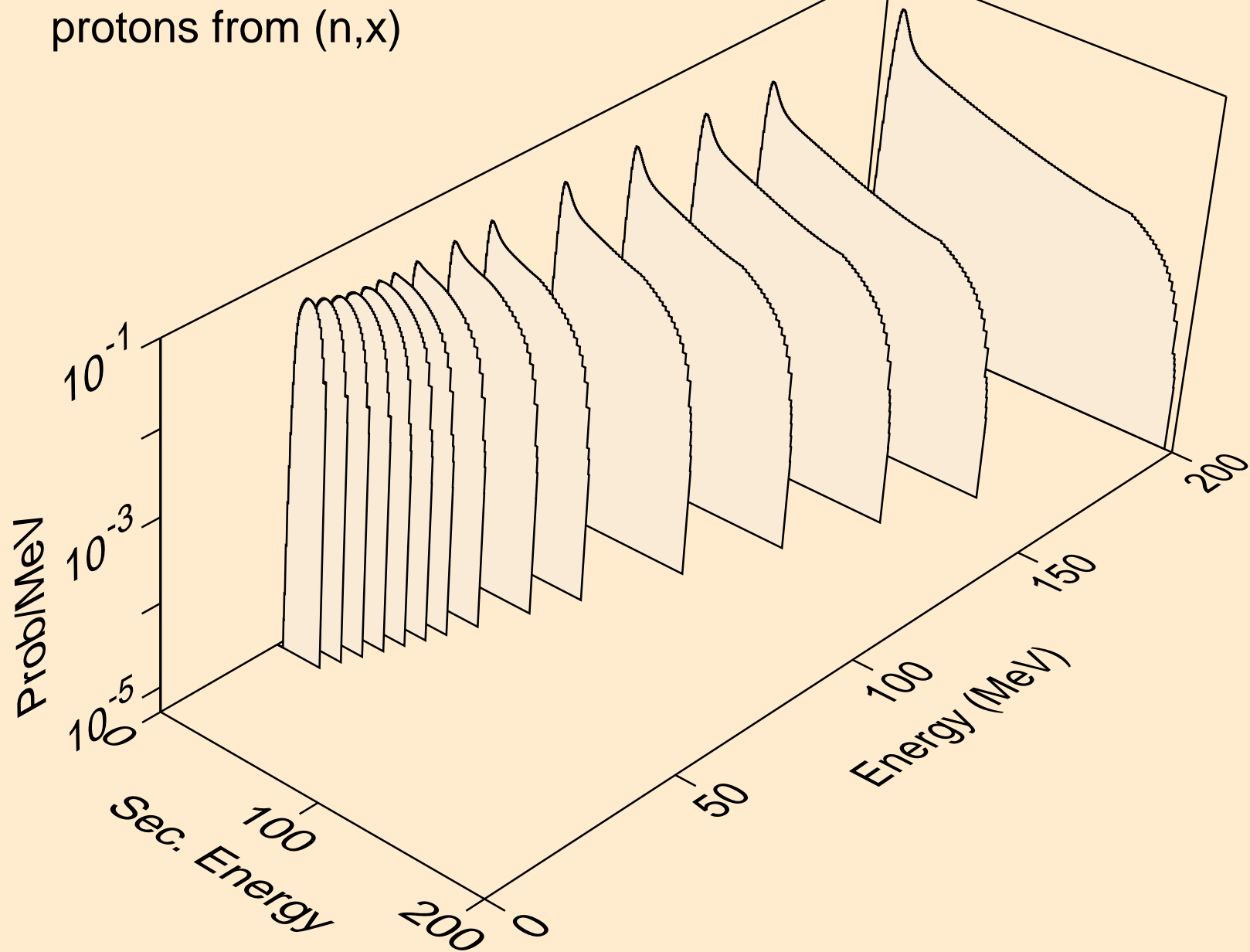
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Recoil Heating



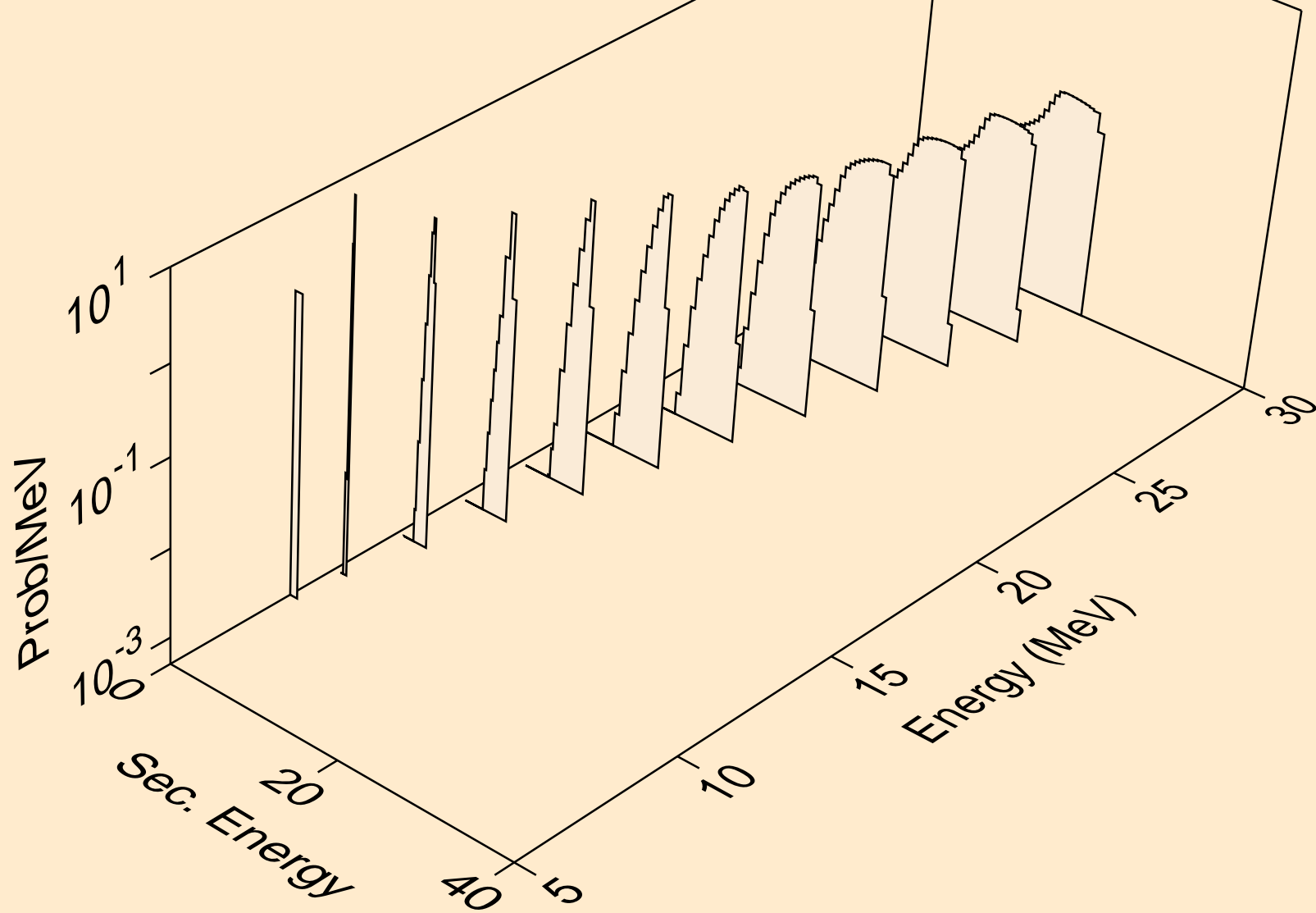
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Particle production cross sections



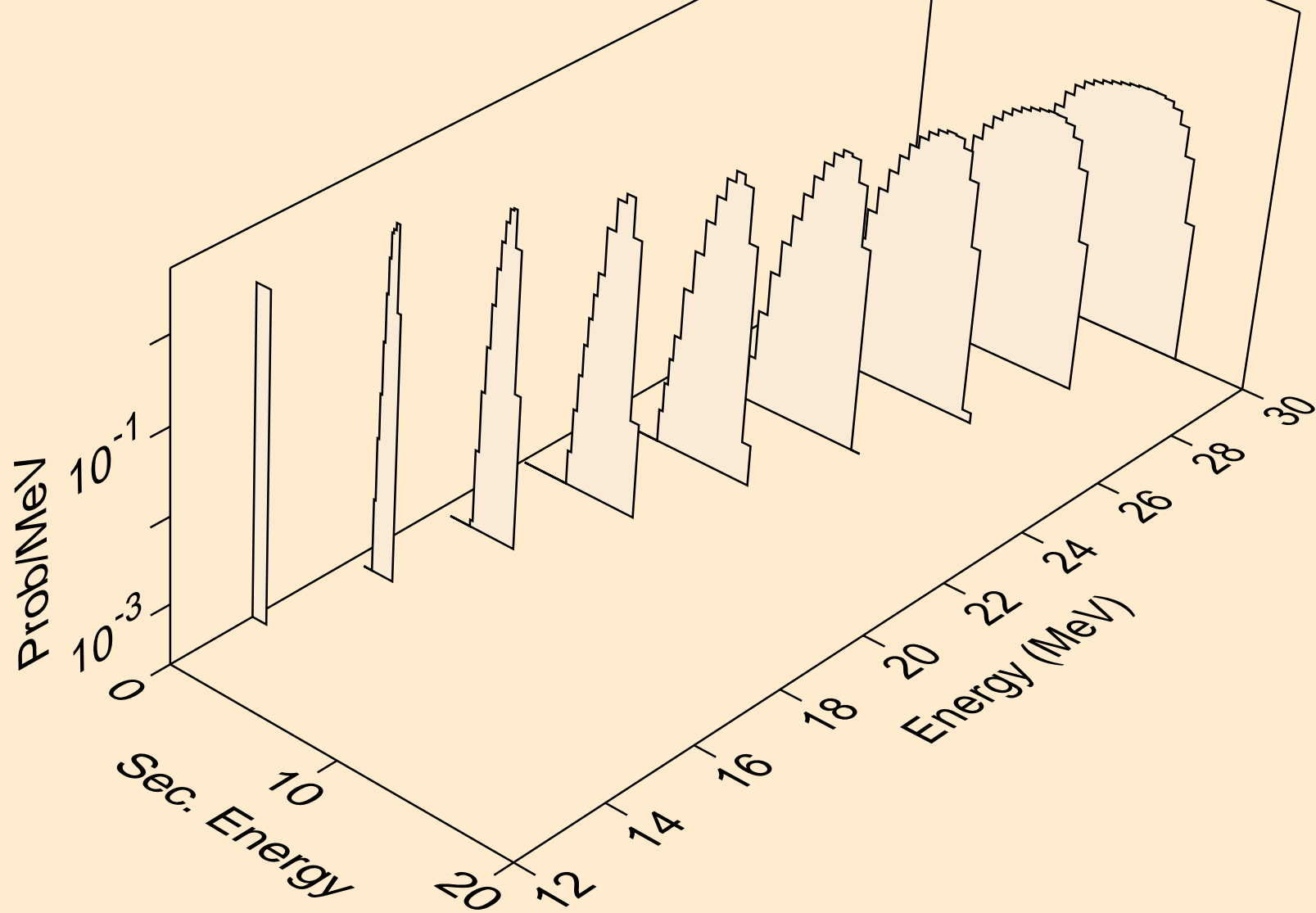
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protons from (n,x)



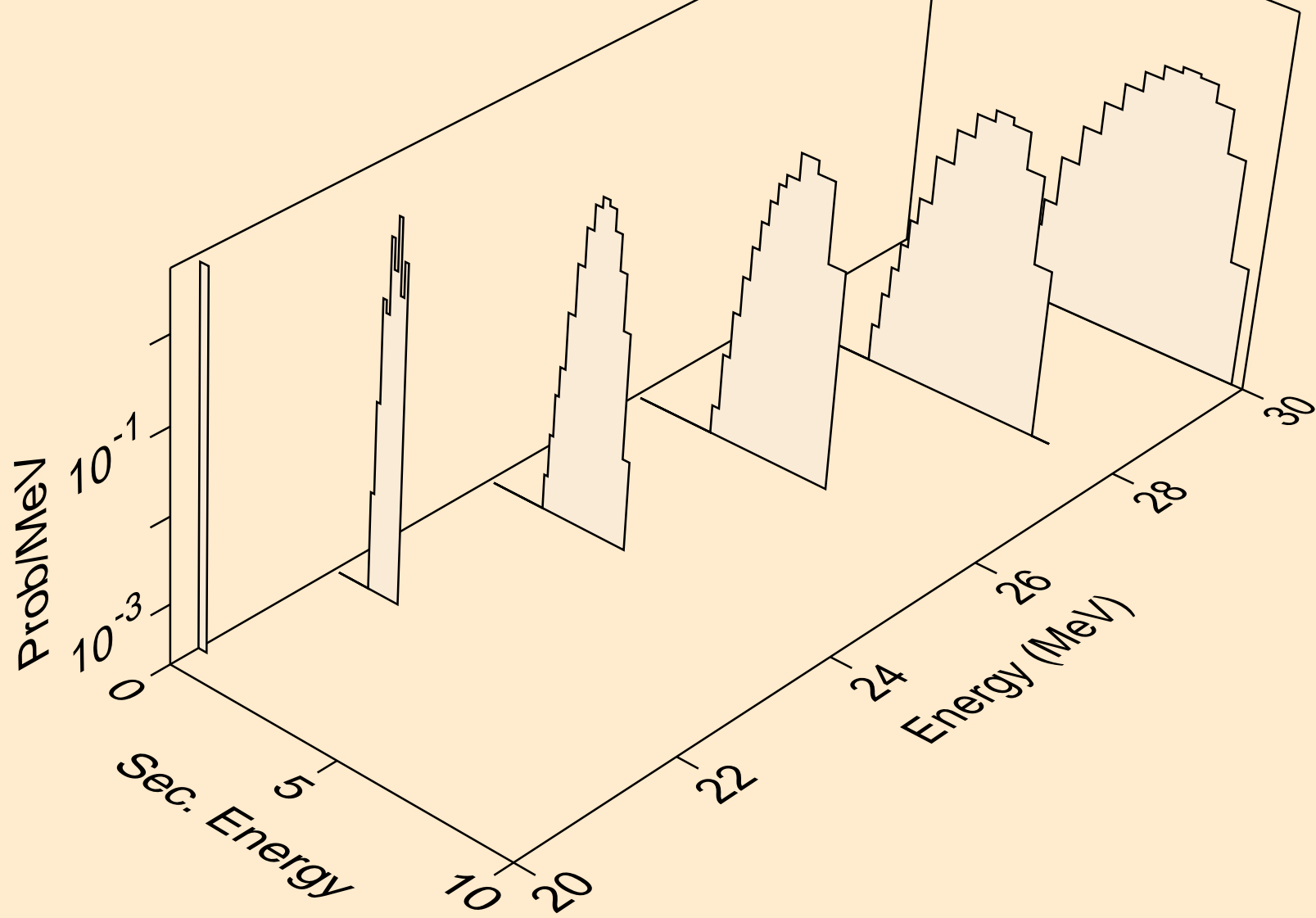
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



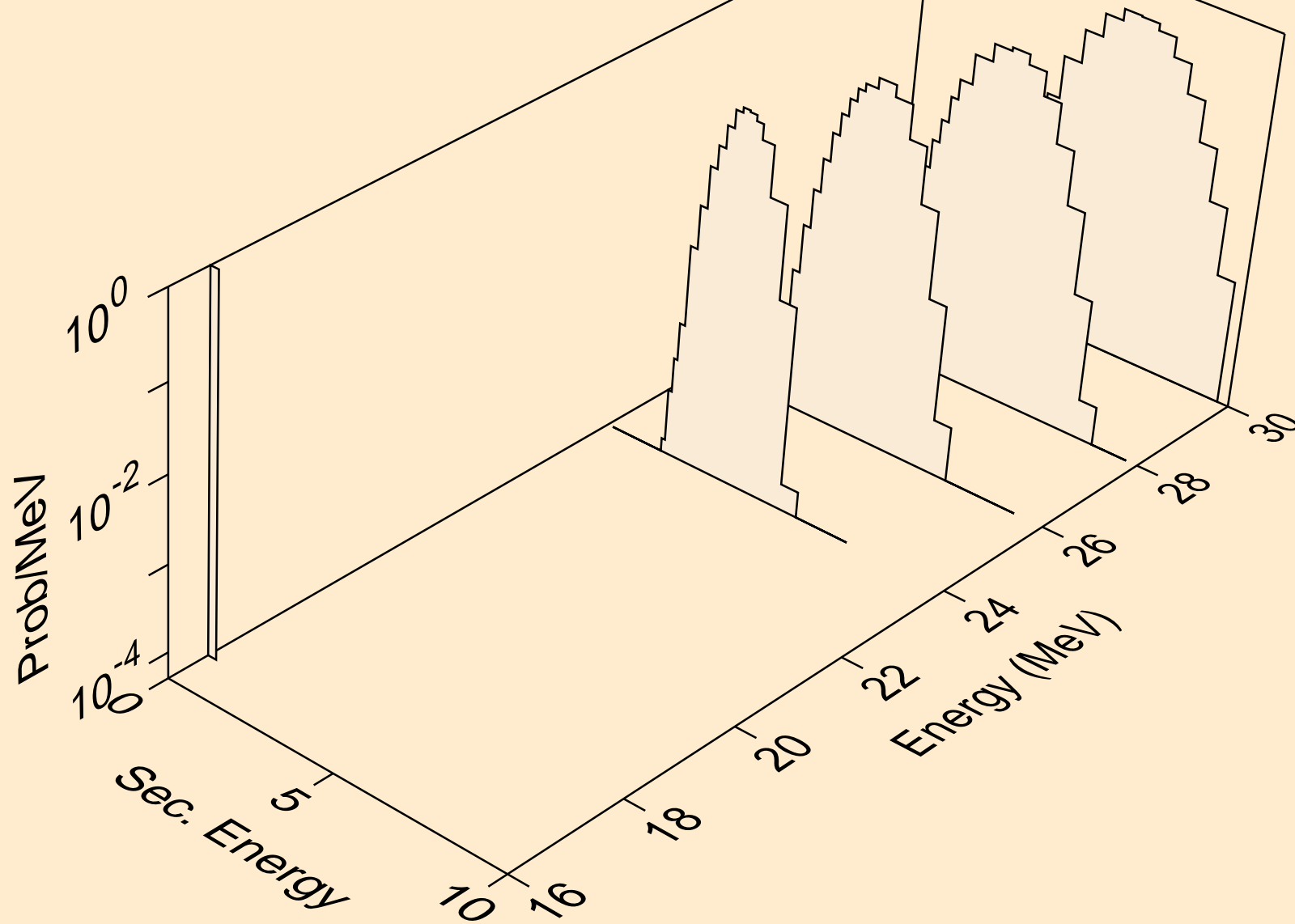
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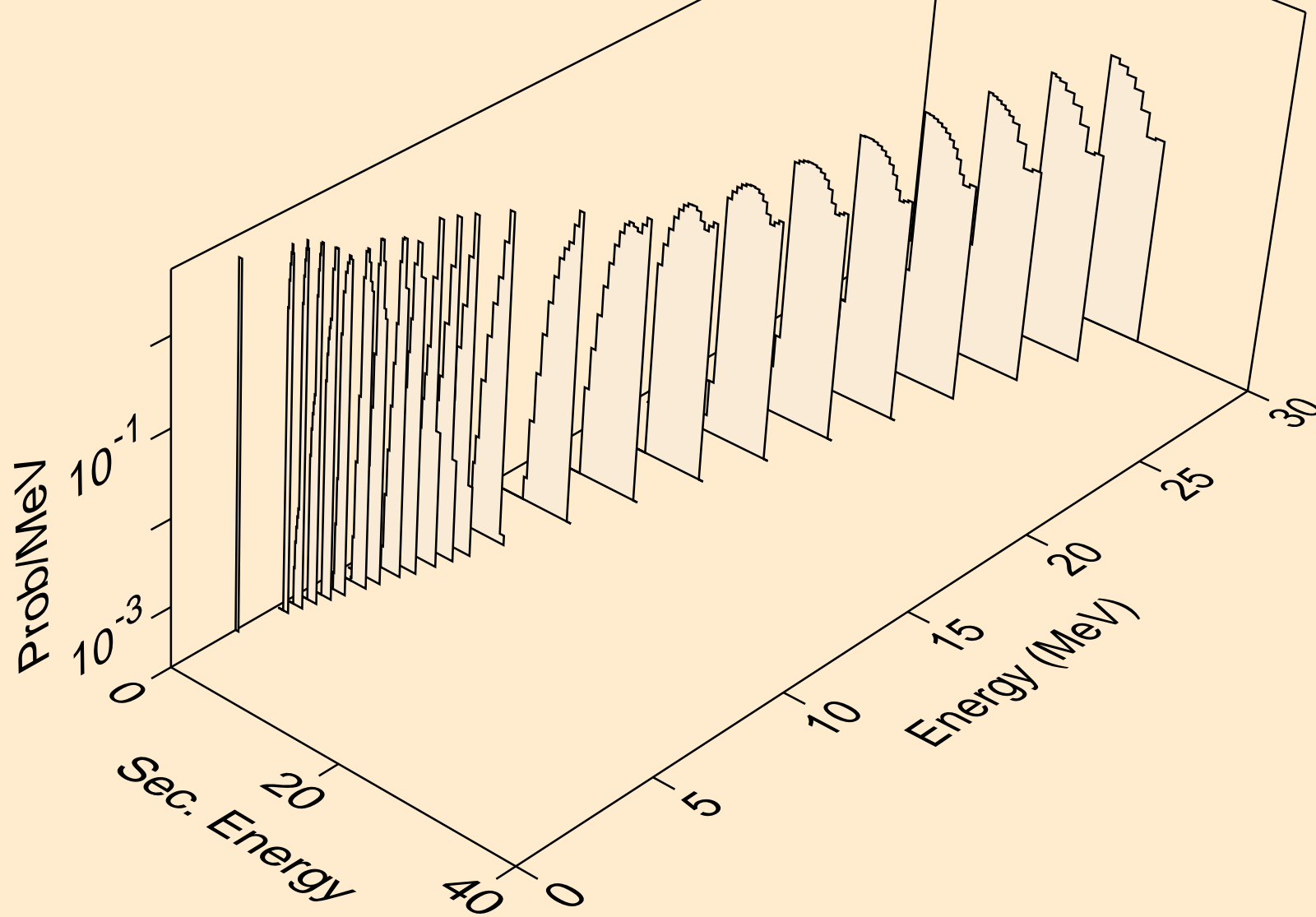
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)



YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n2p)

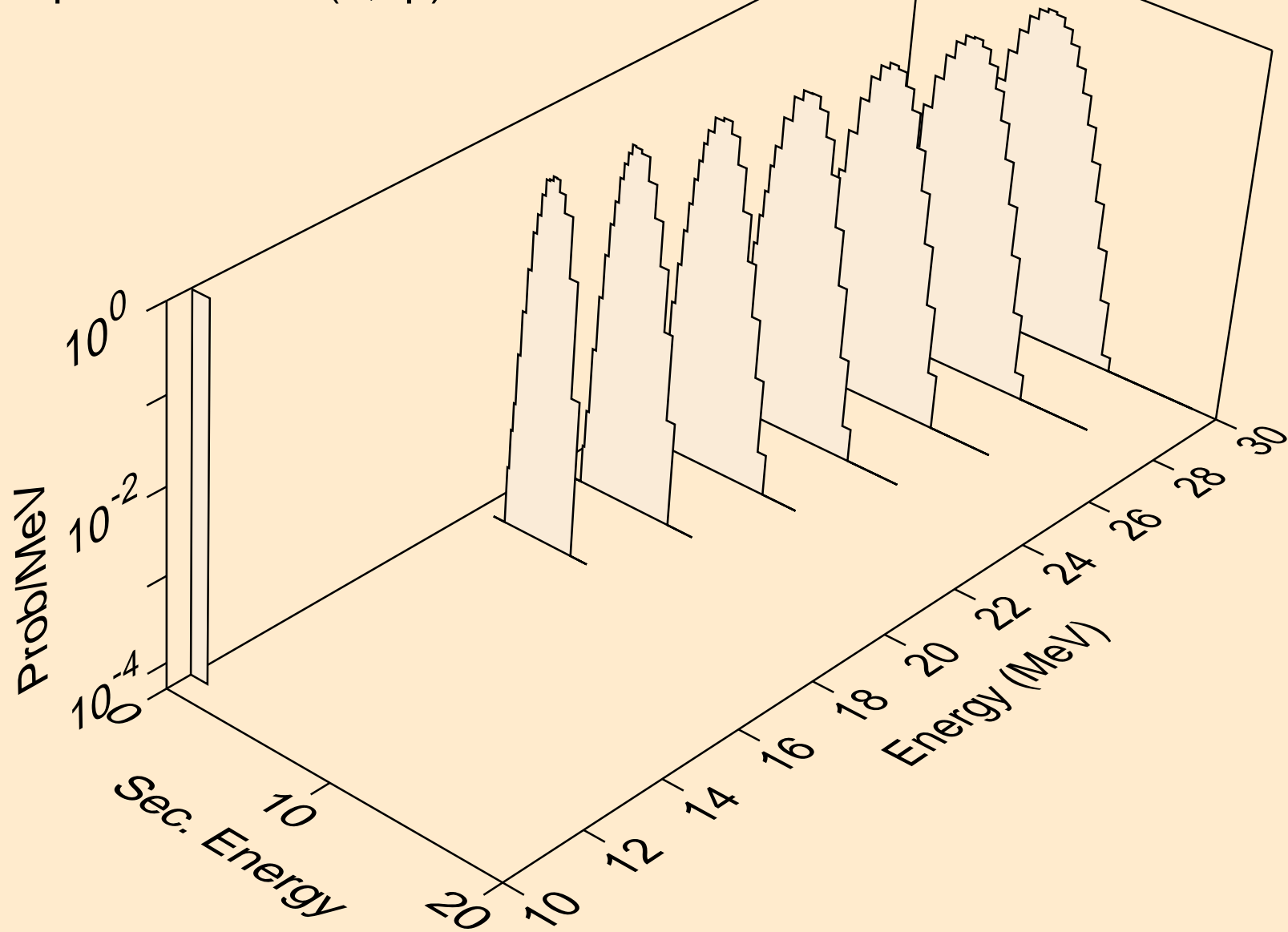


YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)

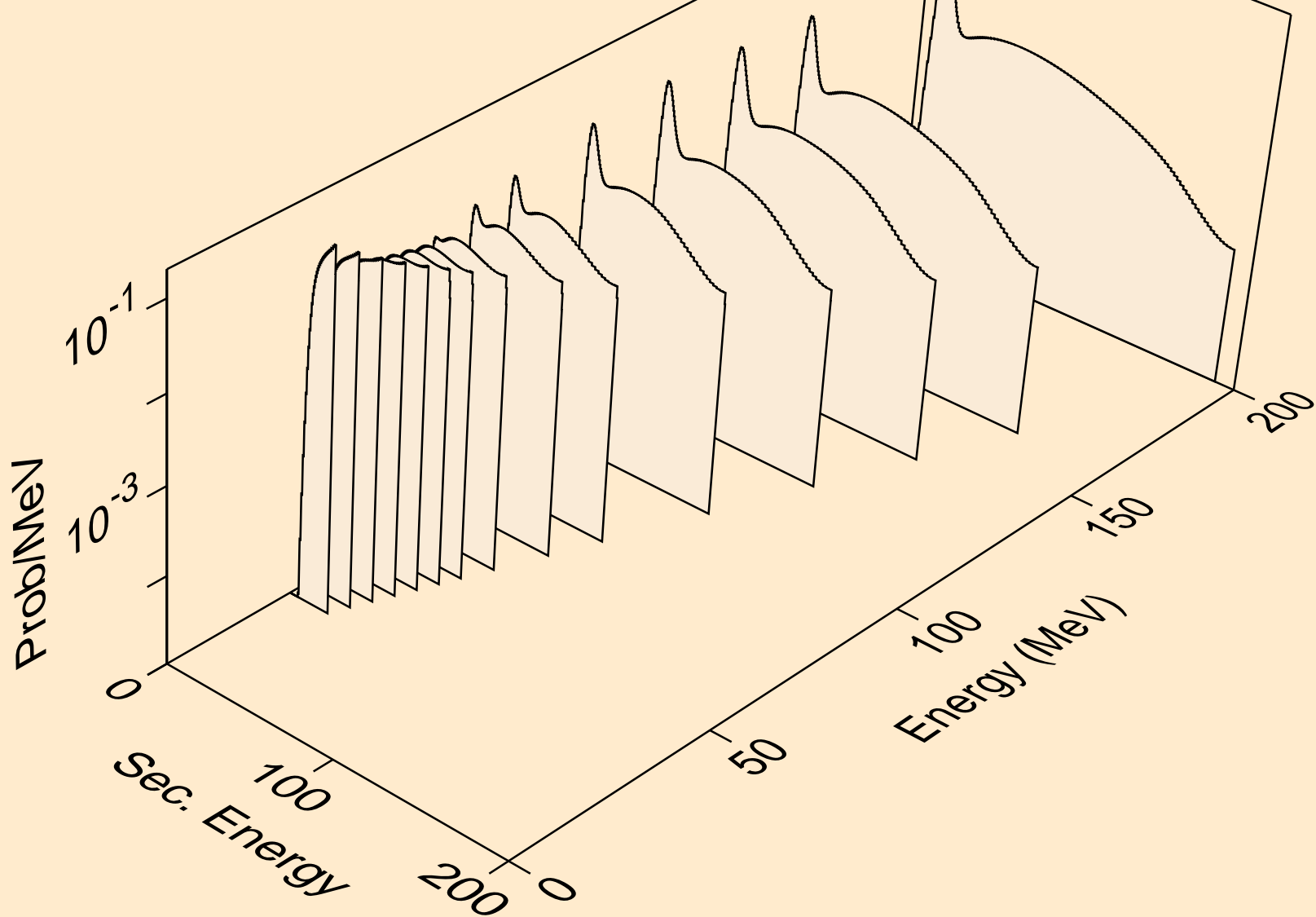




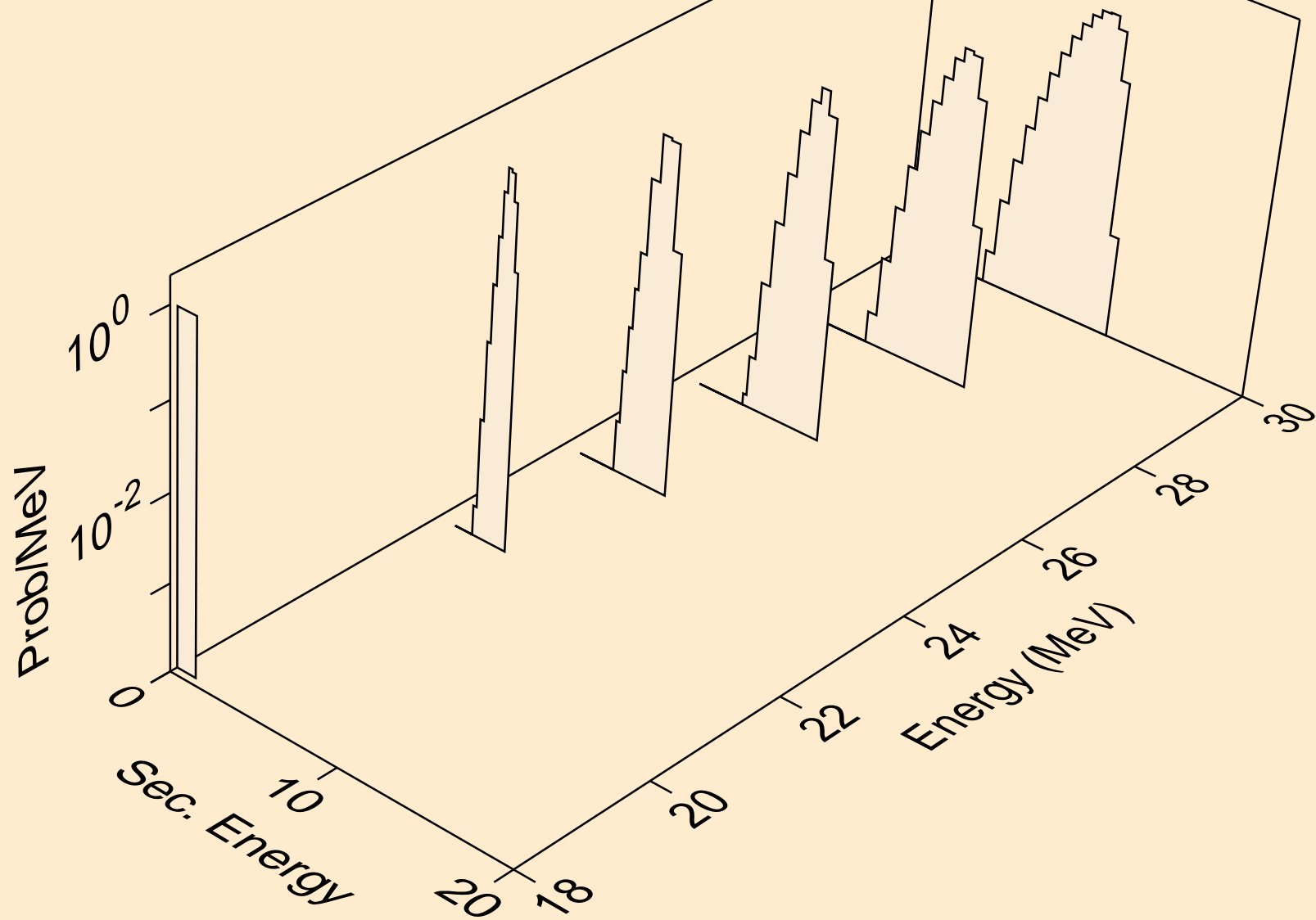
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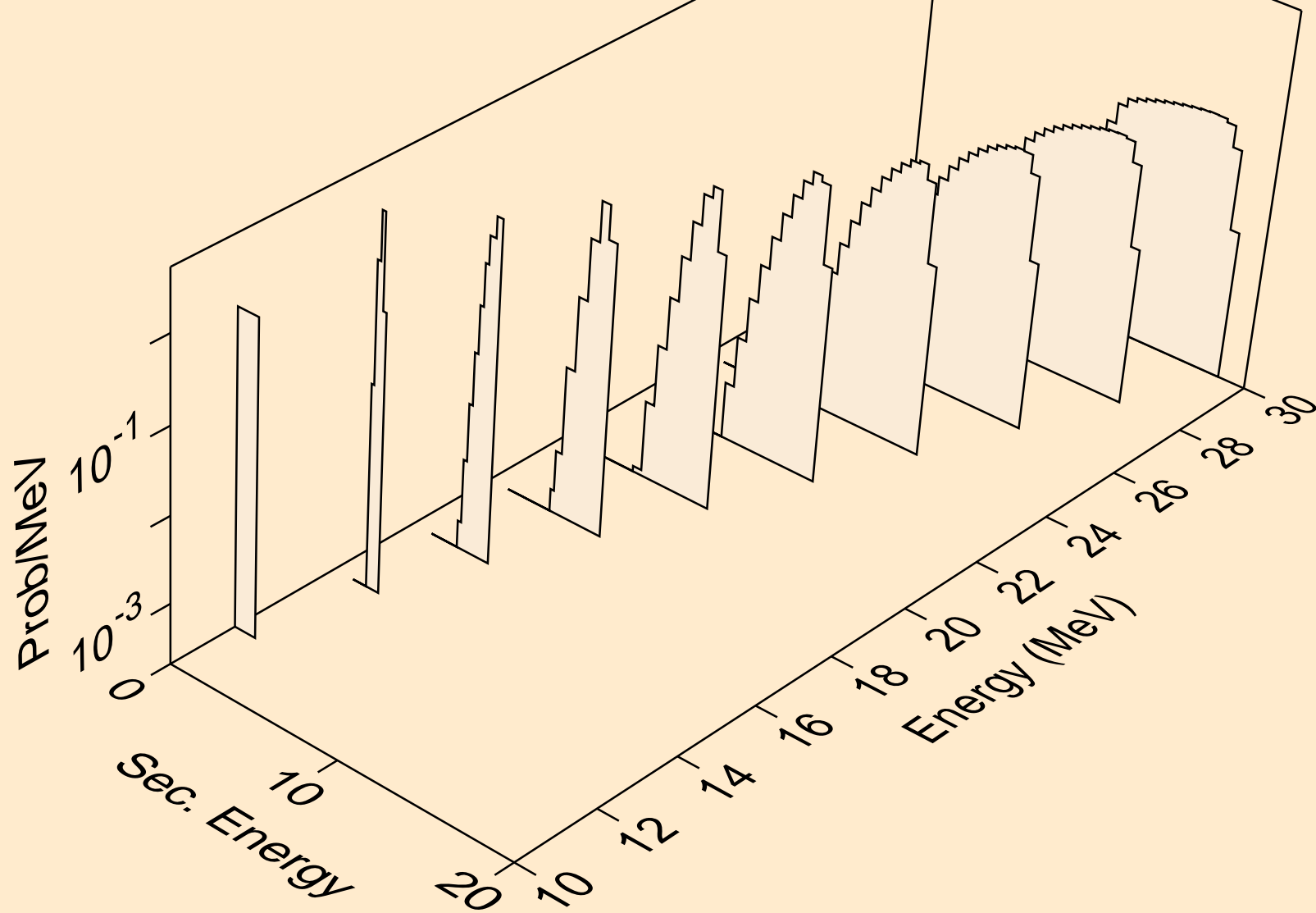
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deuterons from (n,x)



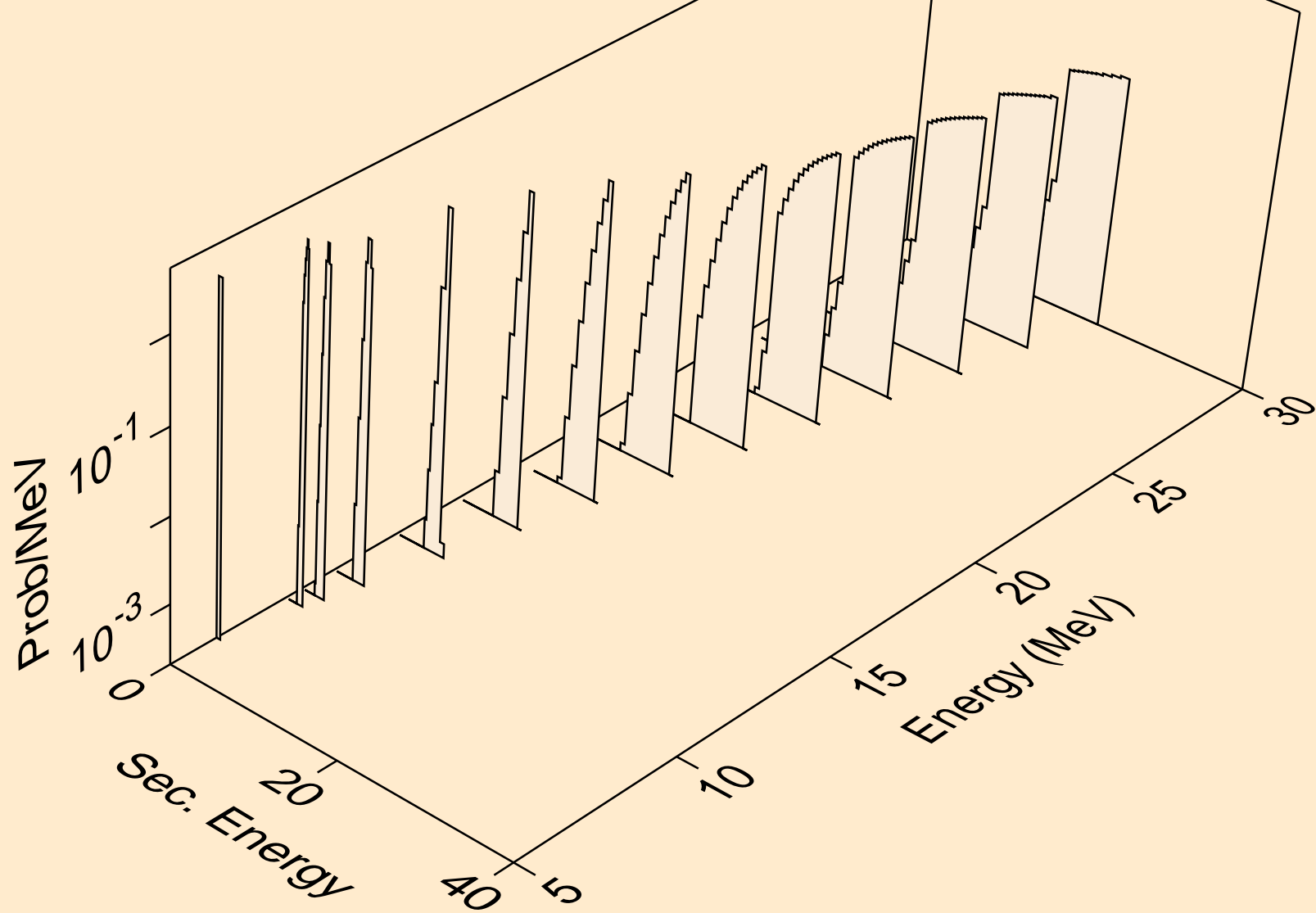
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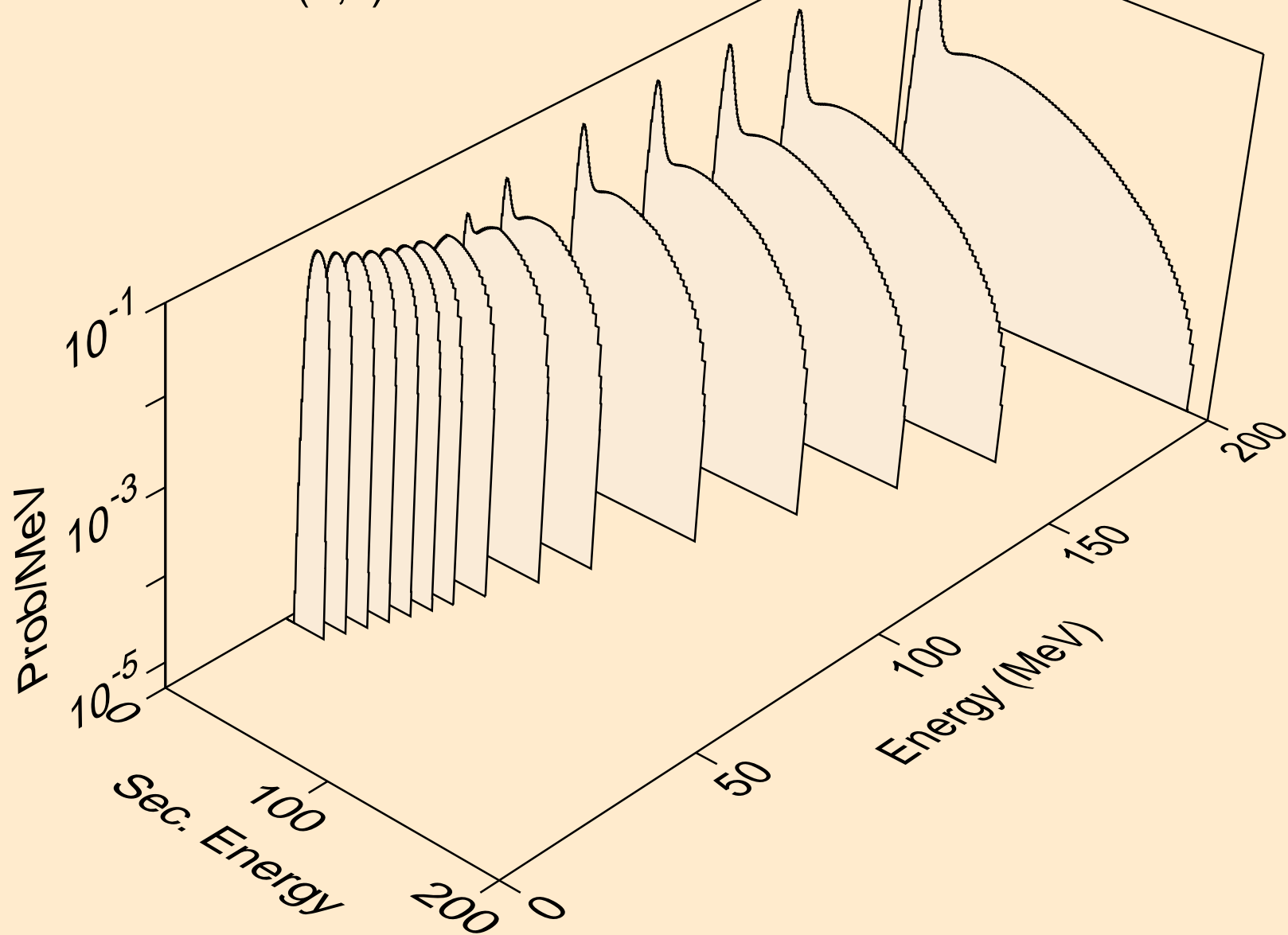
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,n\*)d



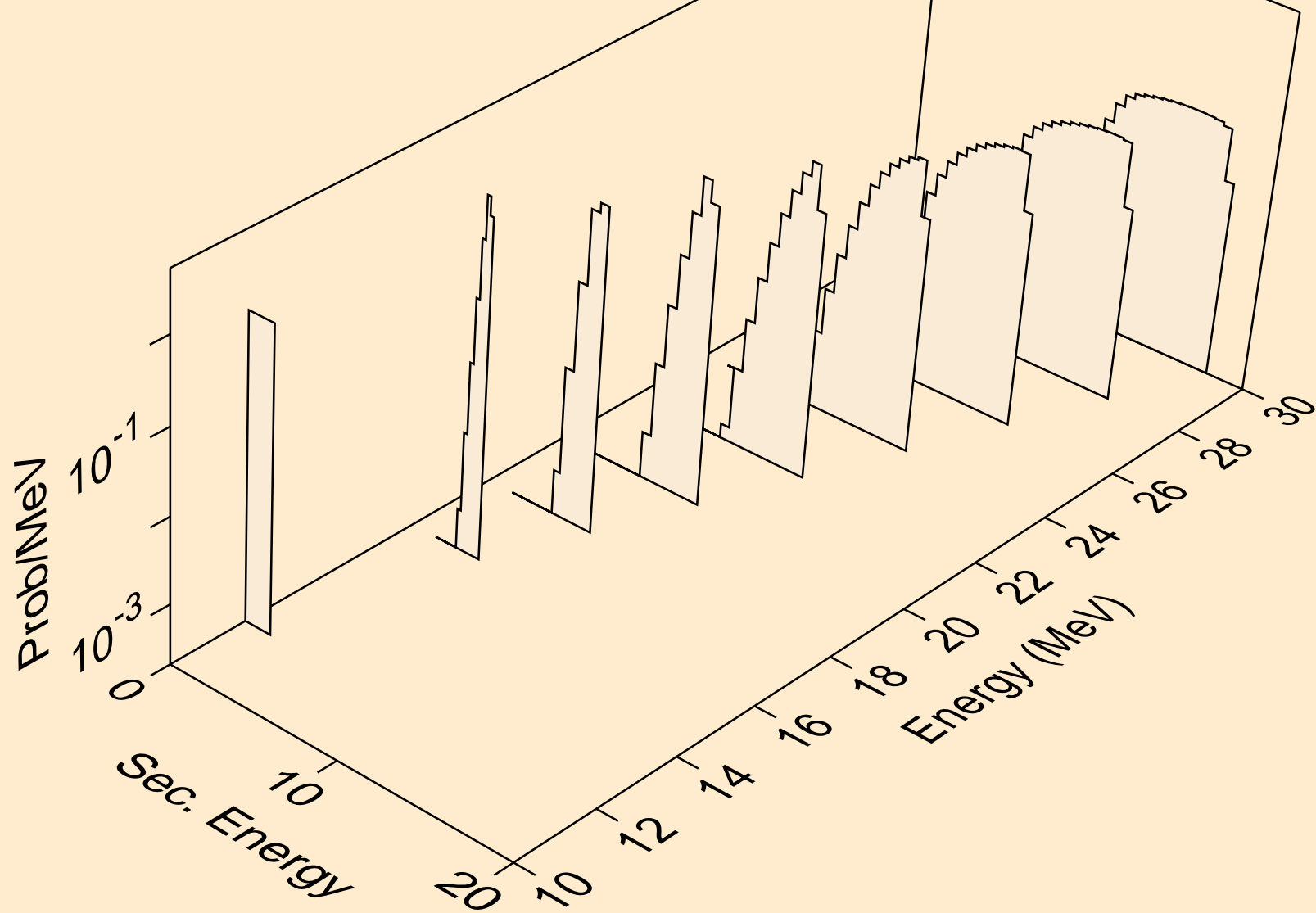
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deuterons from (n,d)



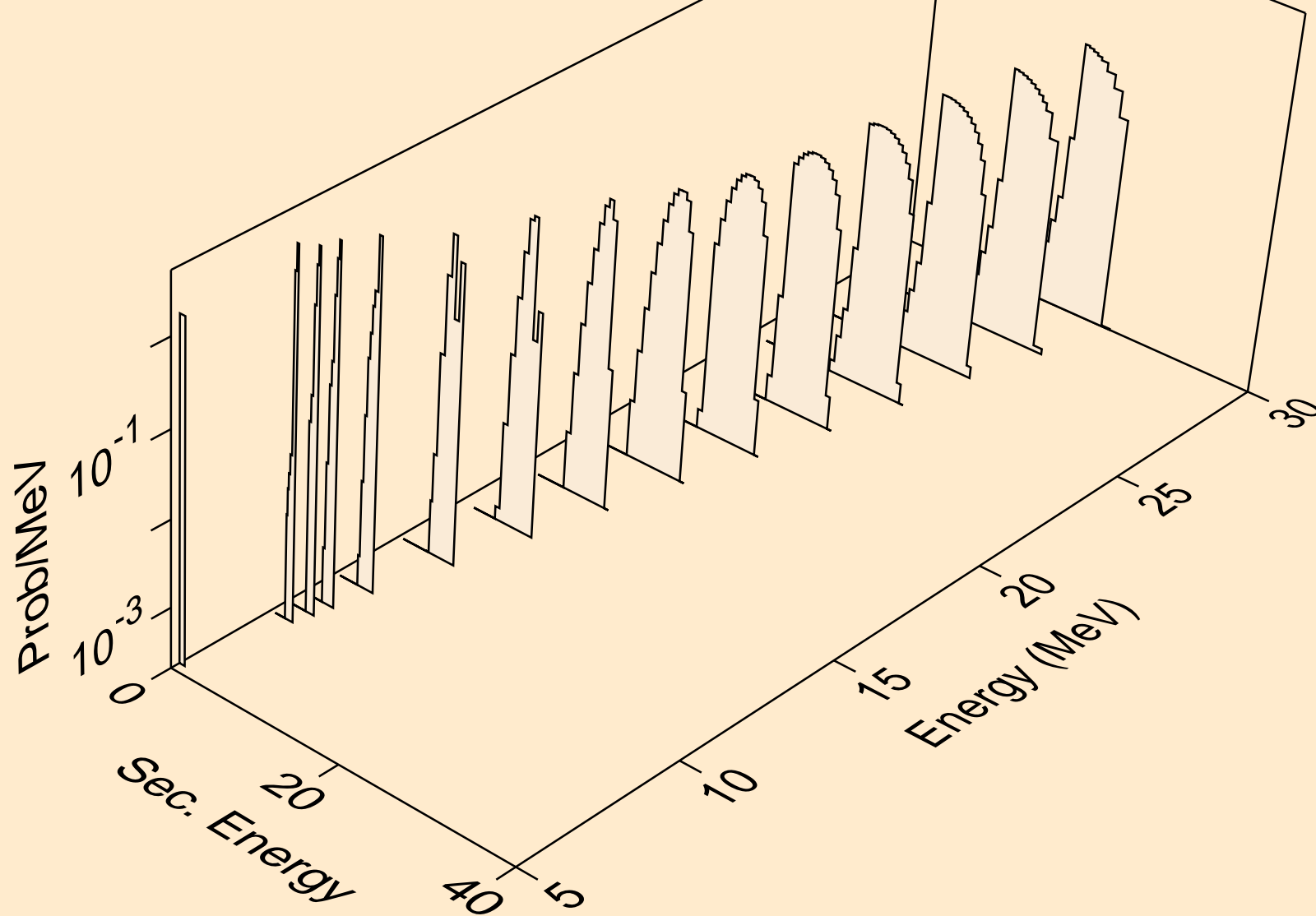
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)



YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t

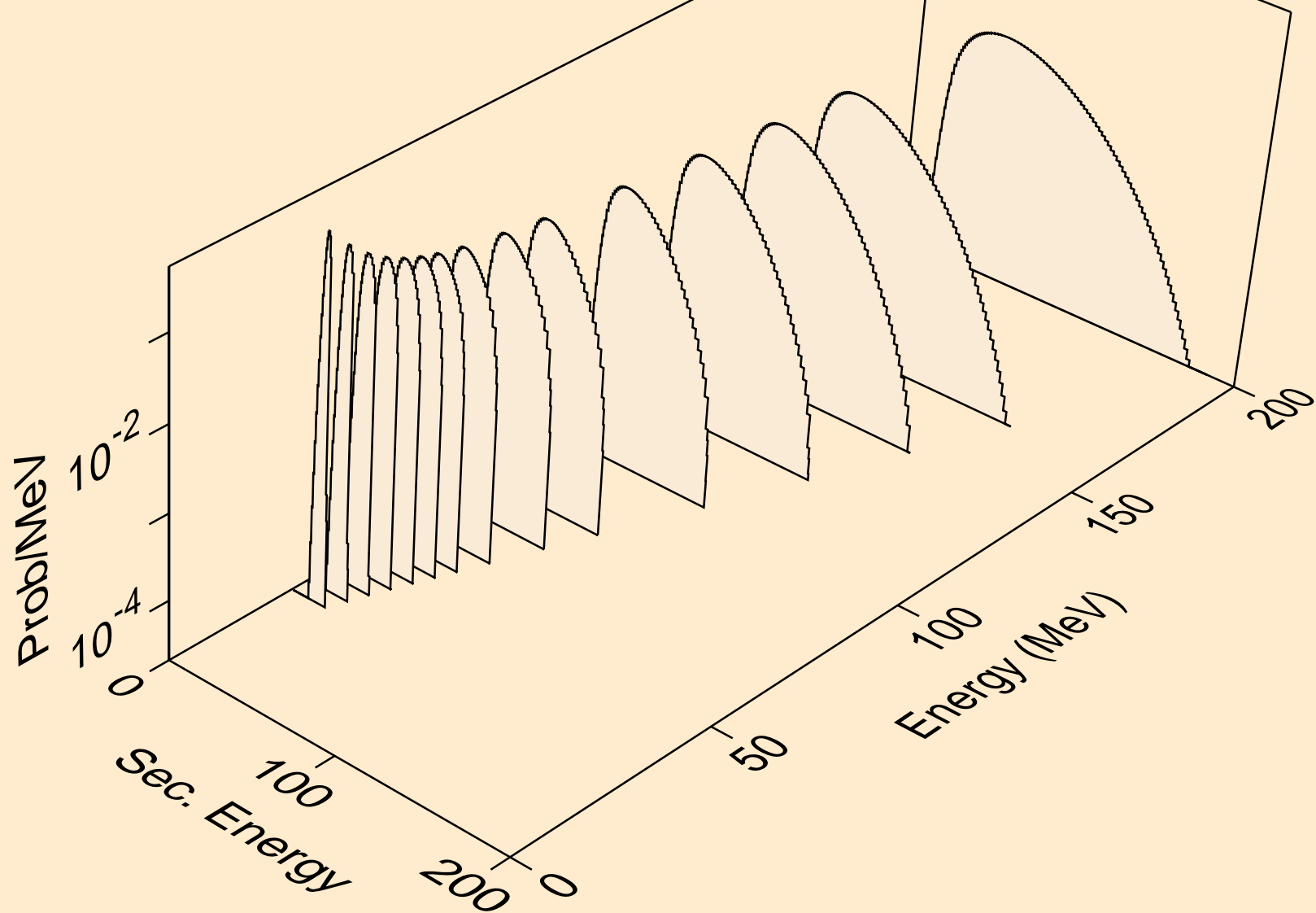


YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,t)

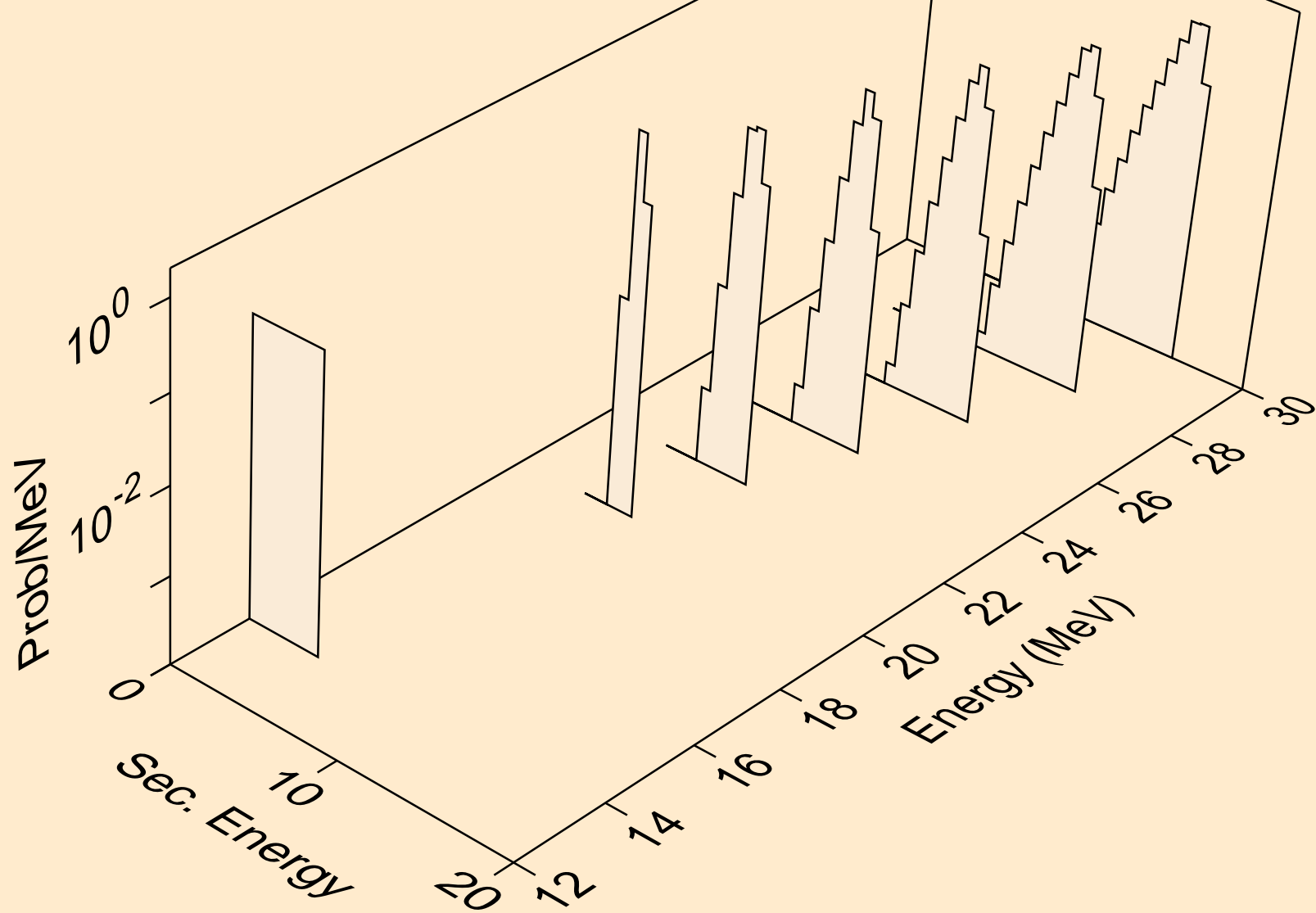




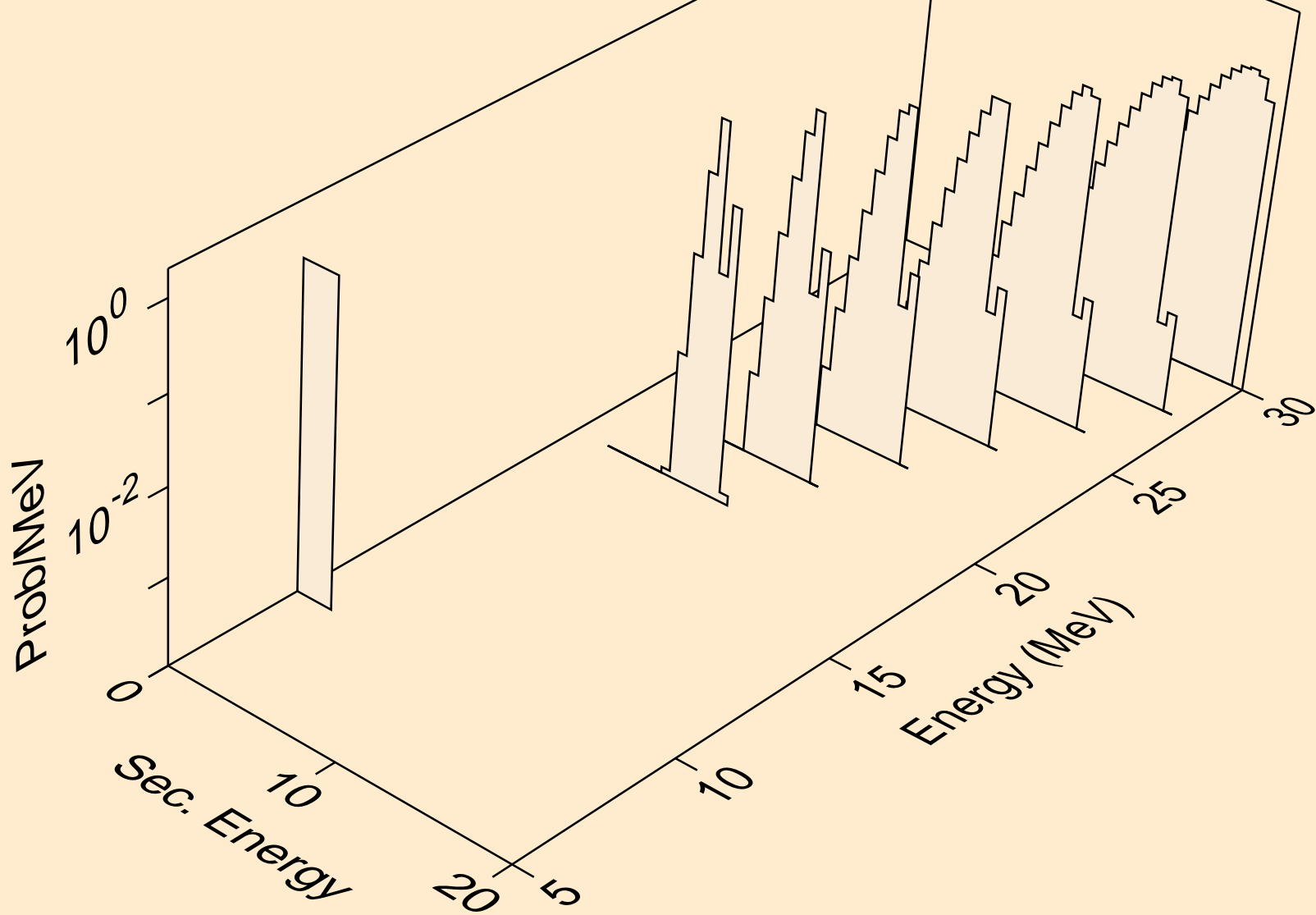
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he3s from (n,x)



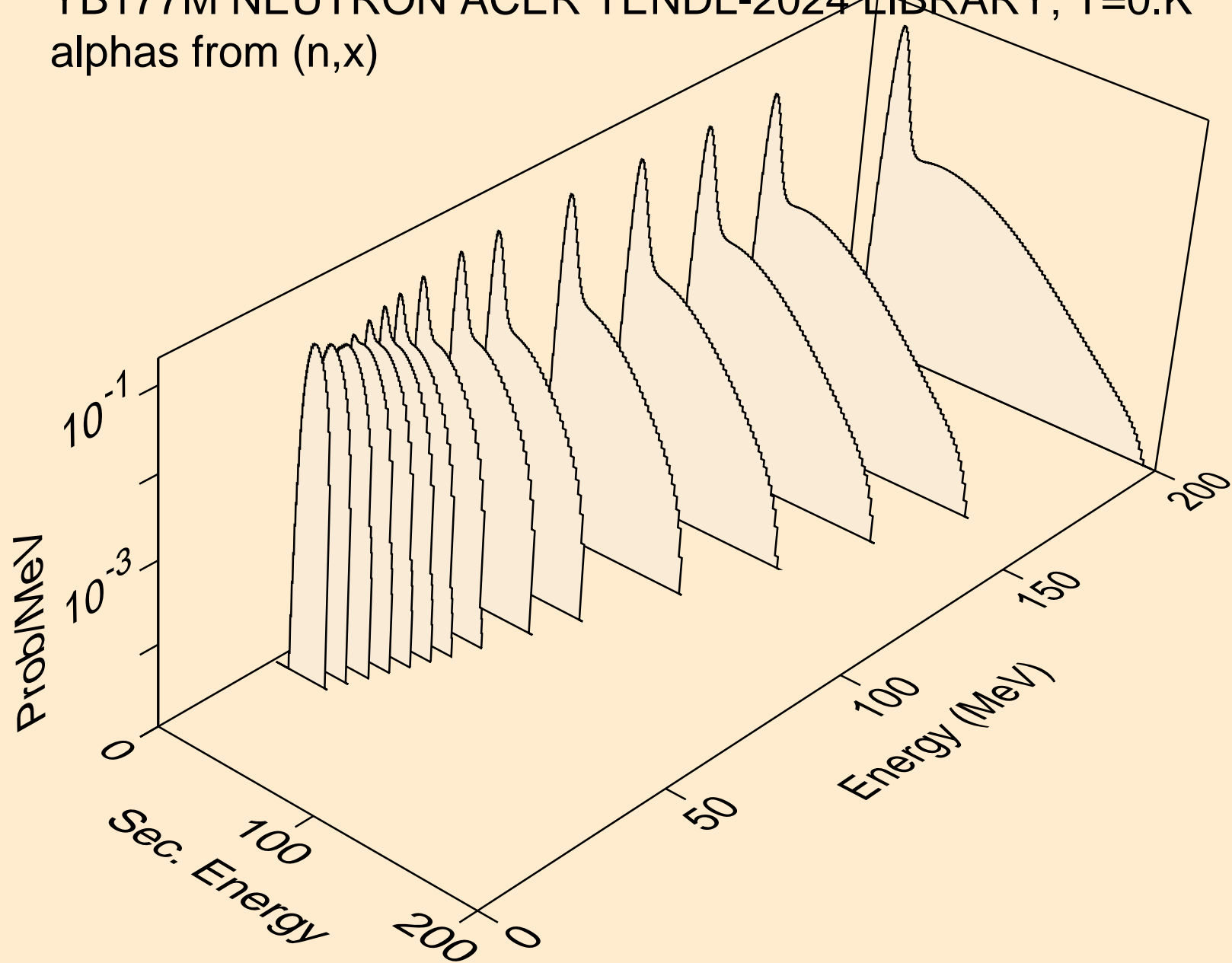
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3



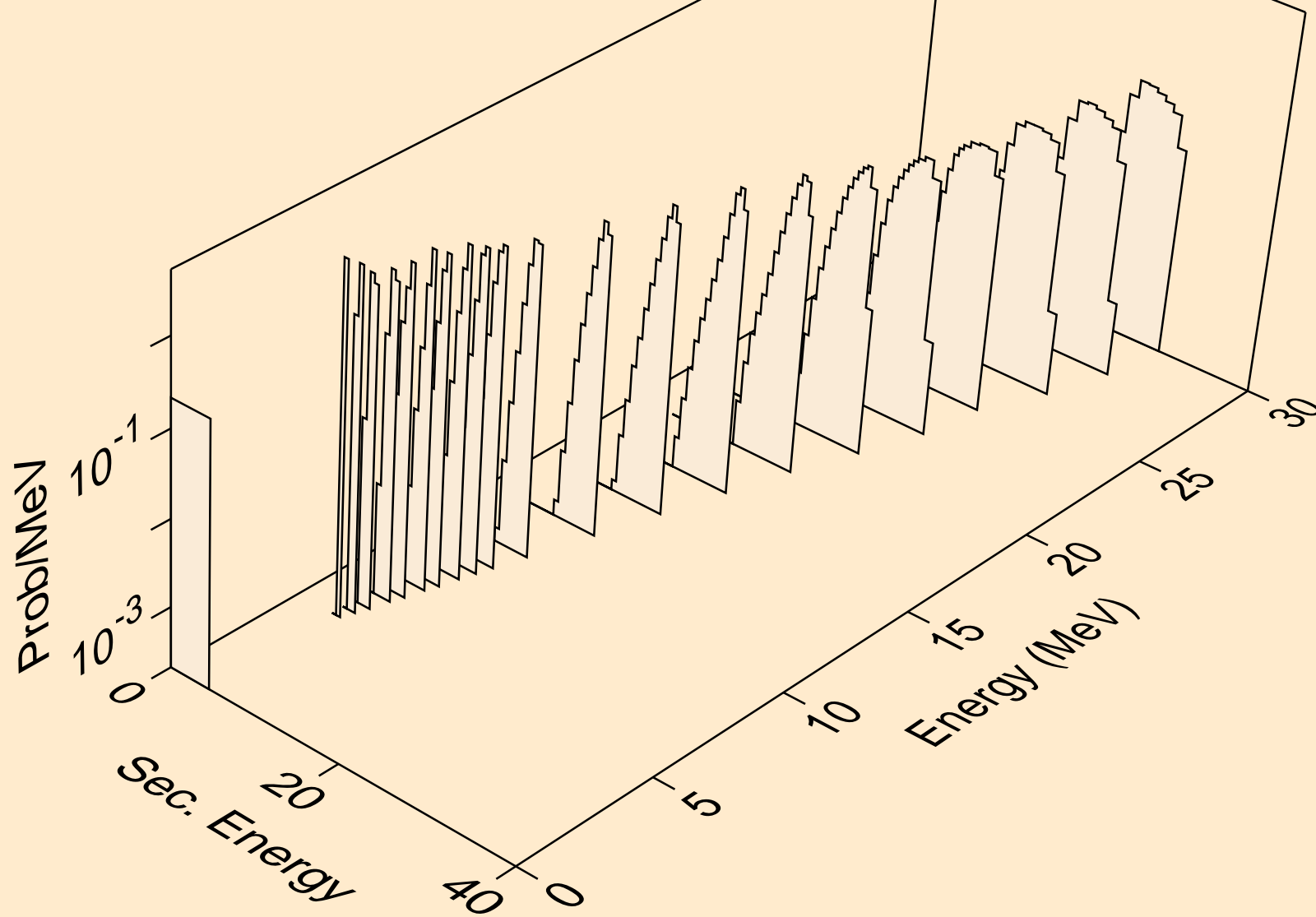
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he3s from (n,he3)



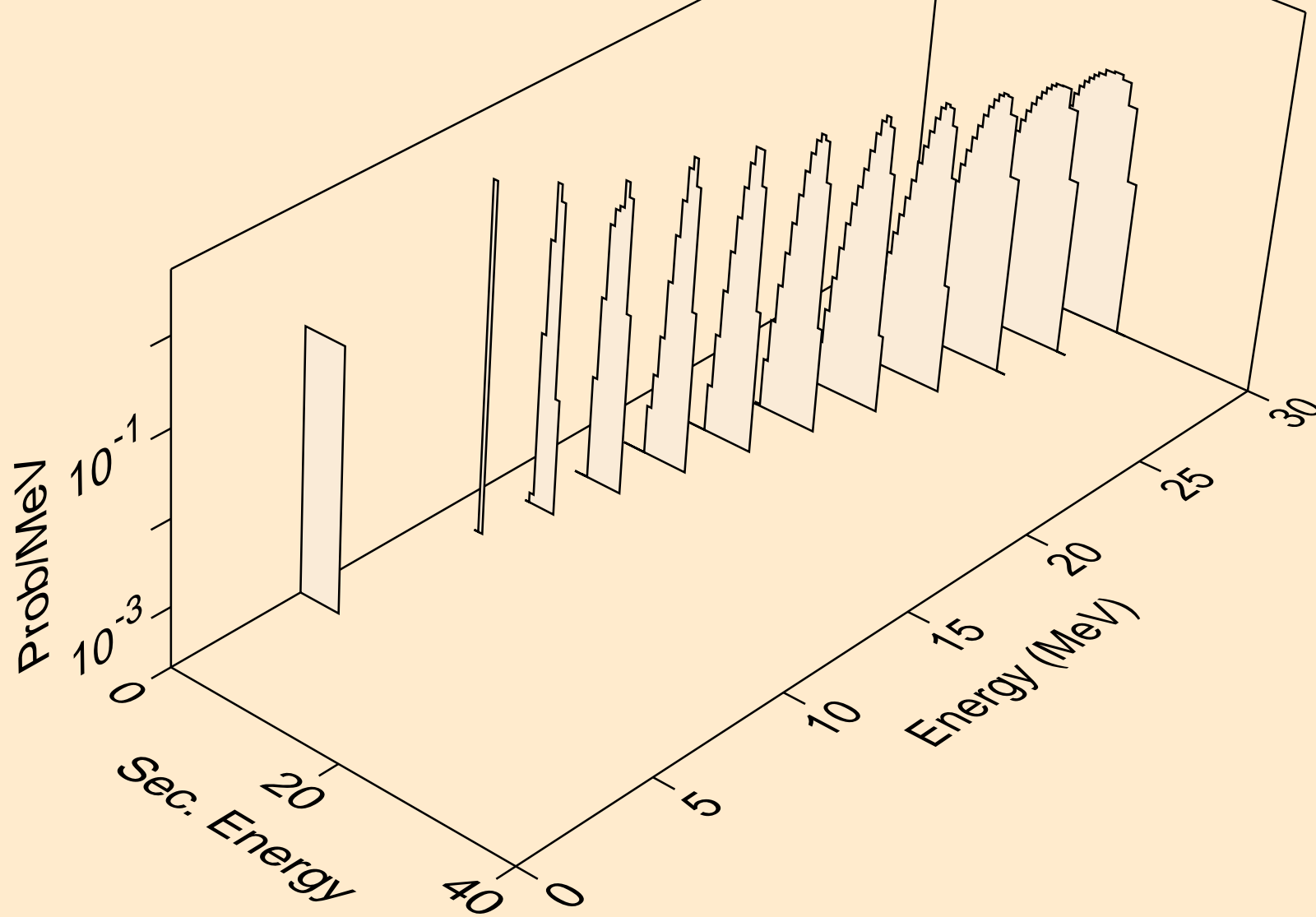
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



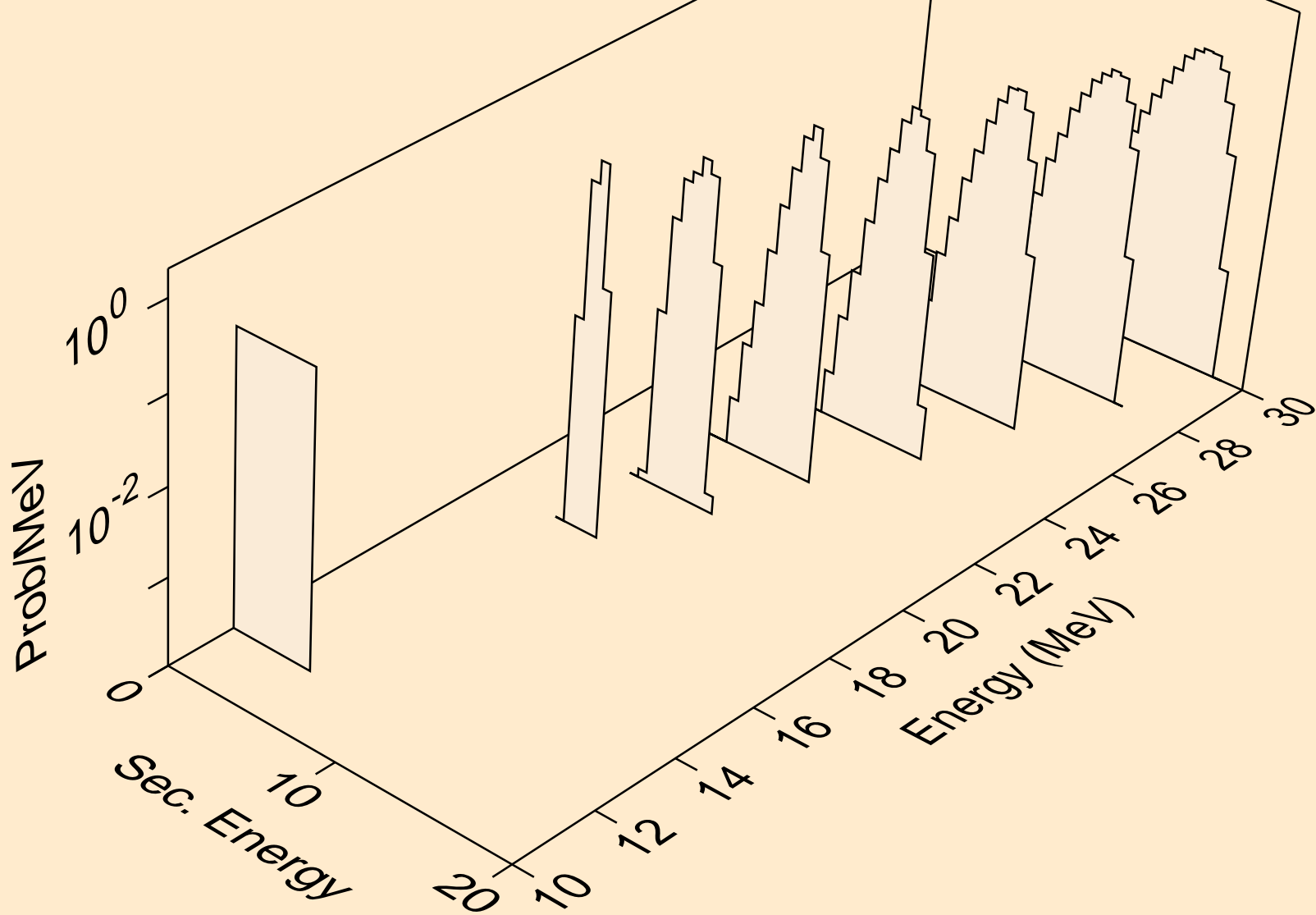
YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a



YB177M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)

