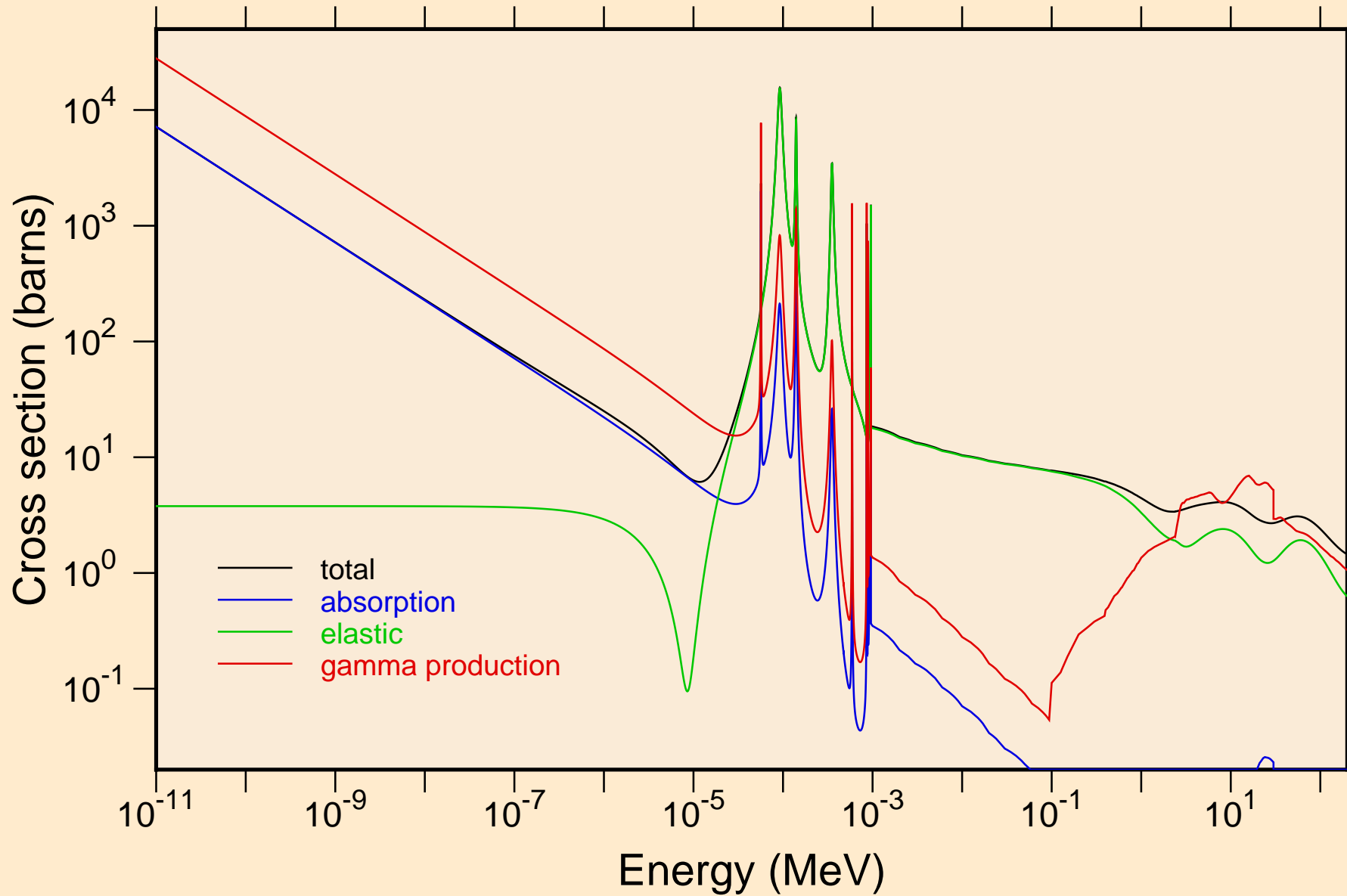
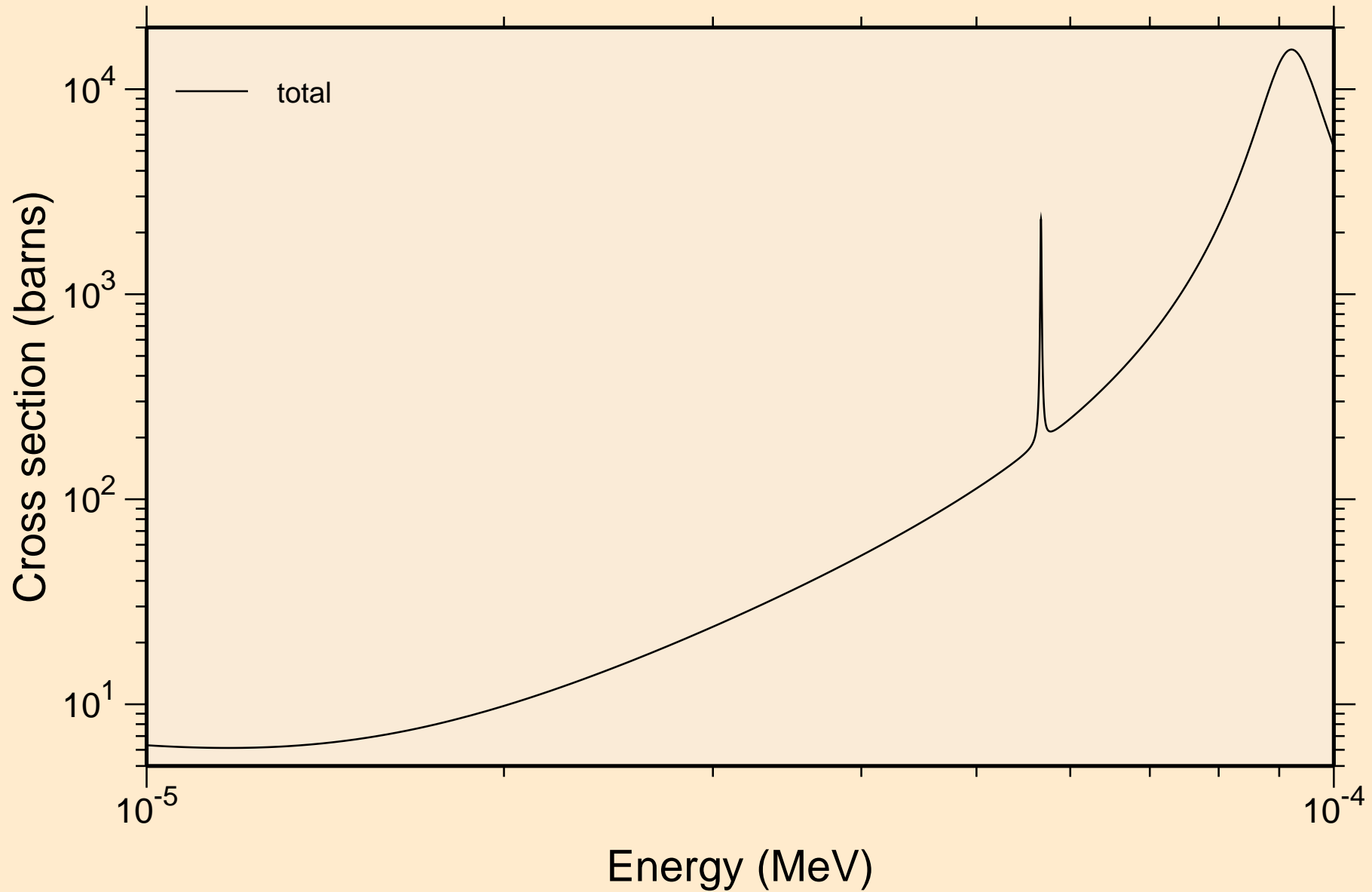


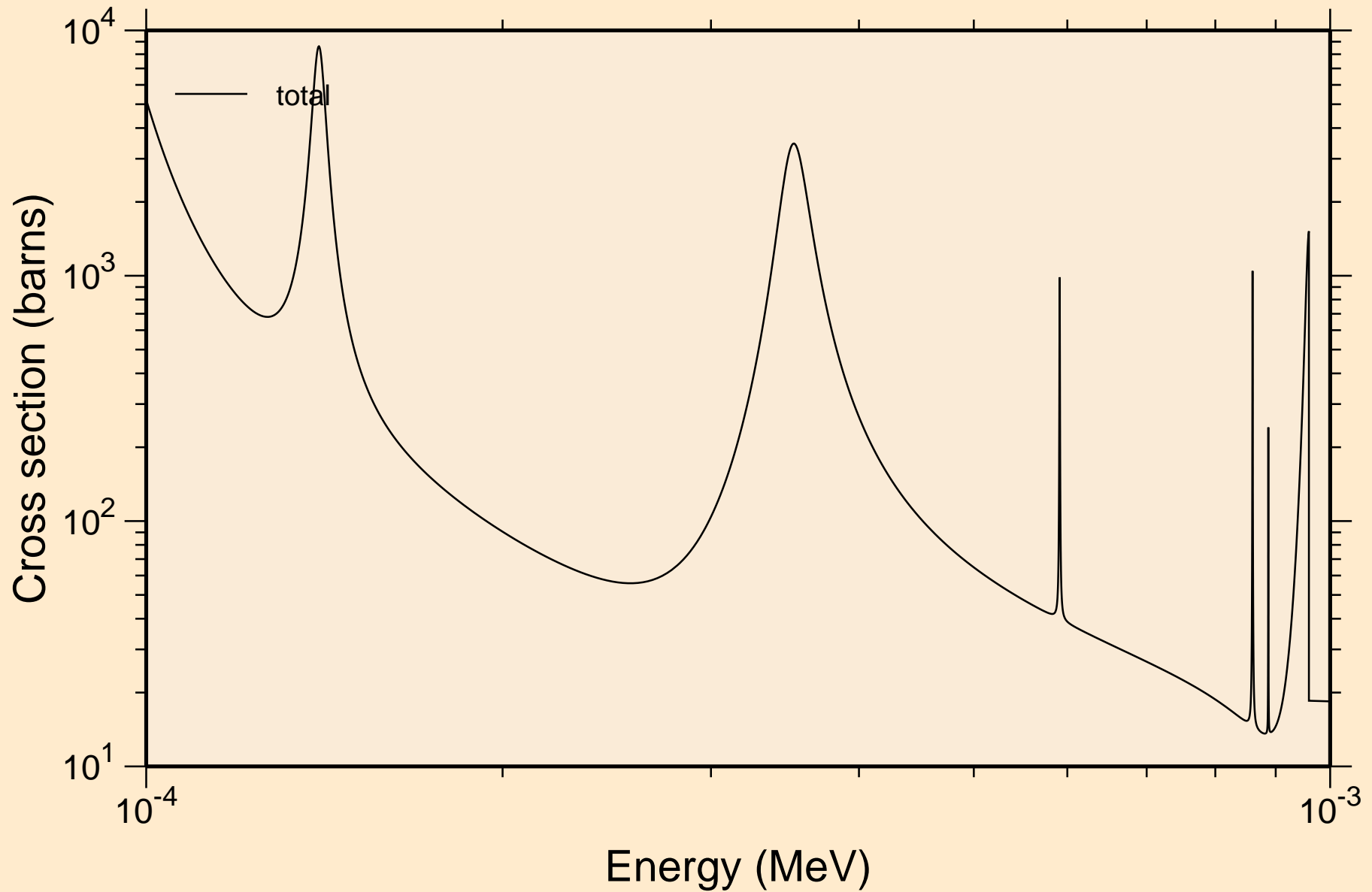
AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Principal cross sections



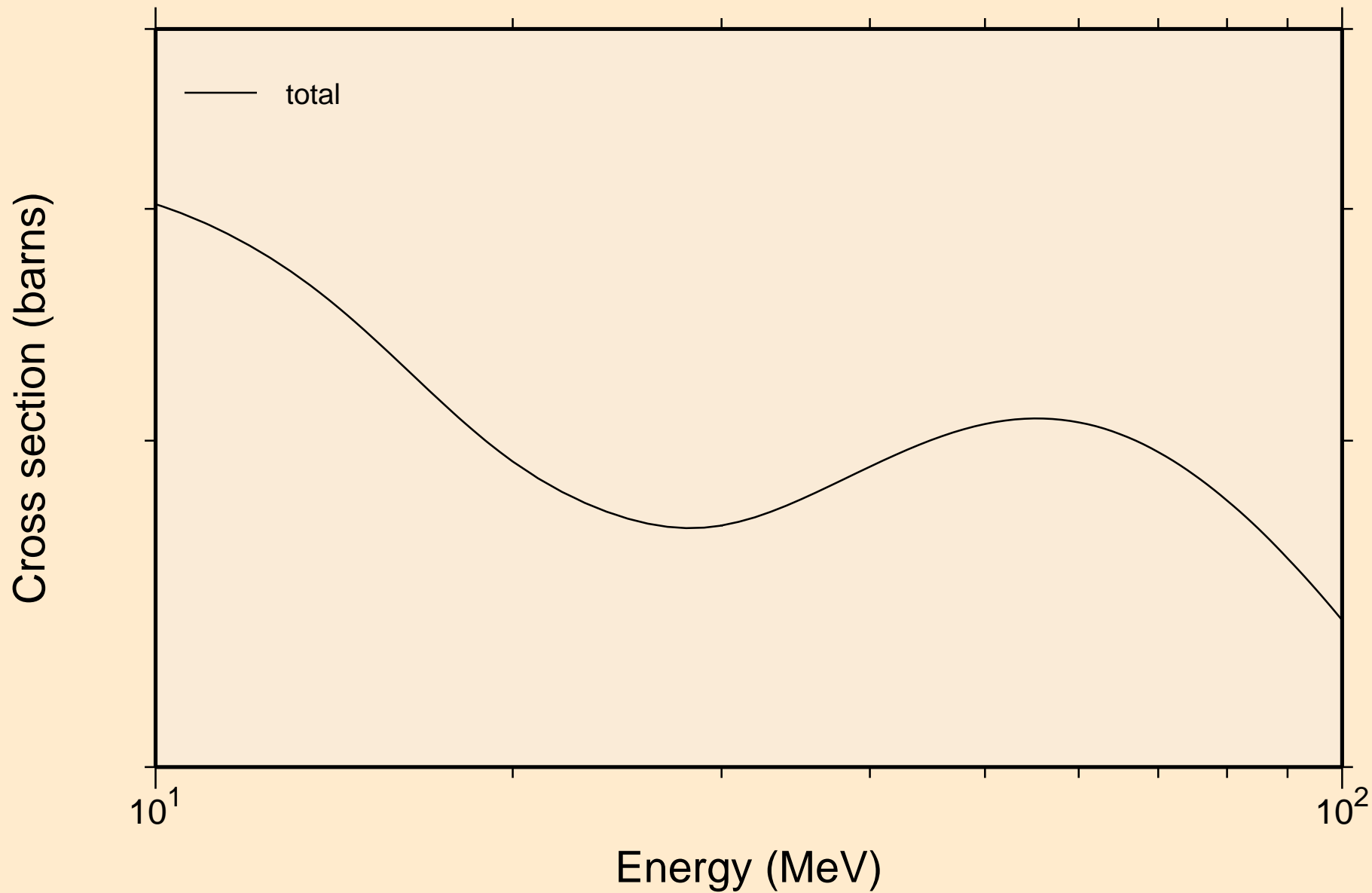
AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



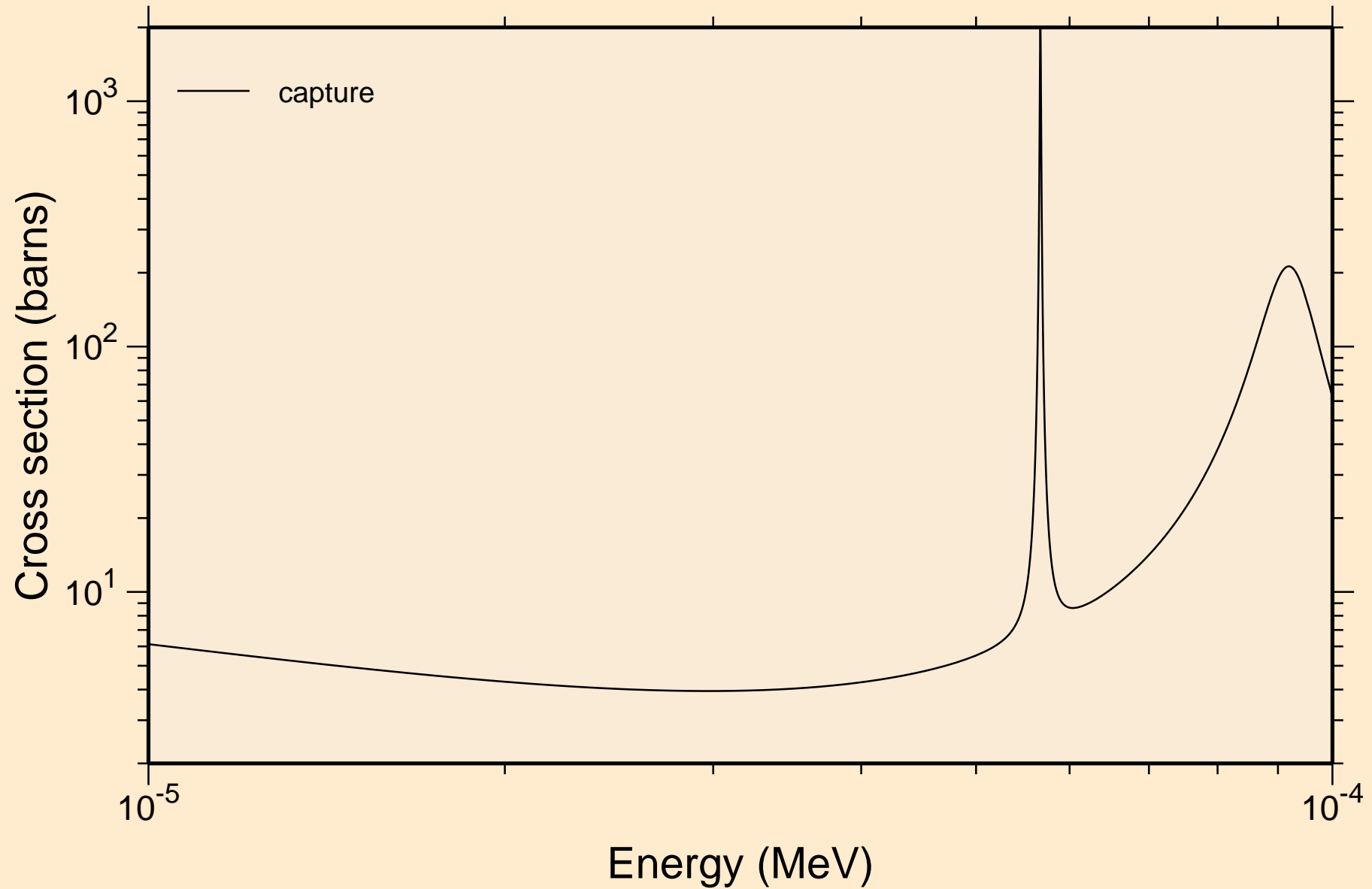
AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



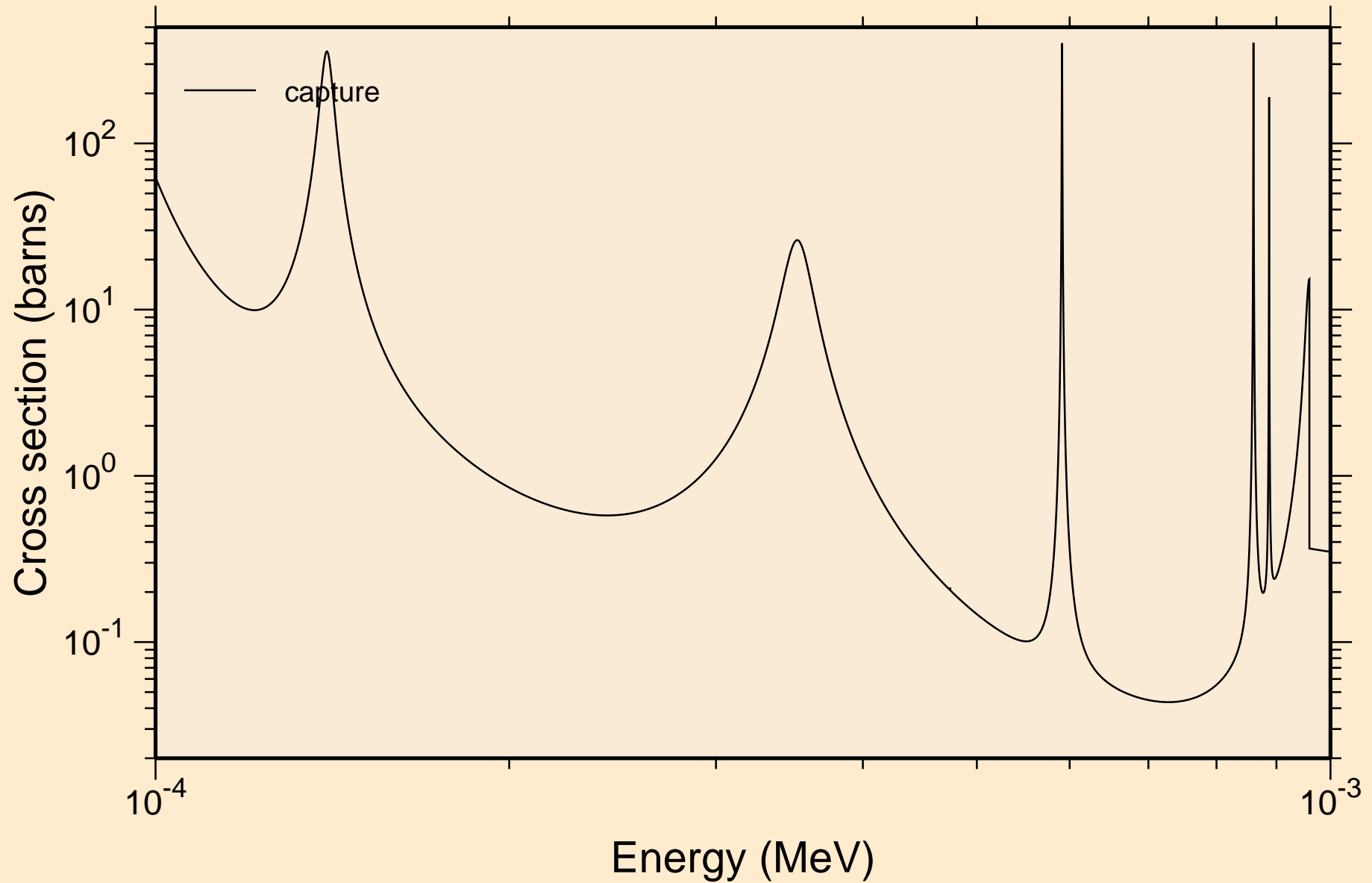
Ā082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



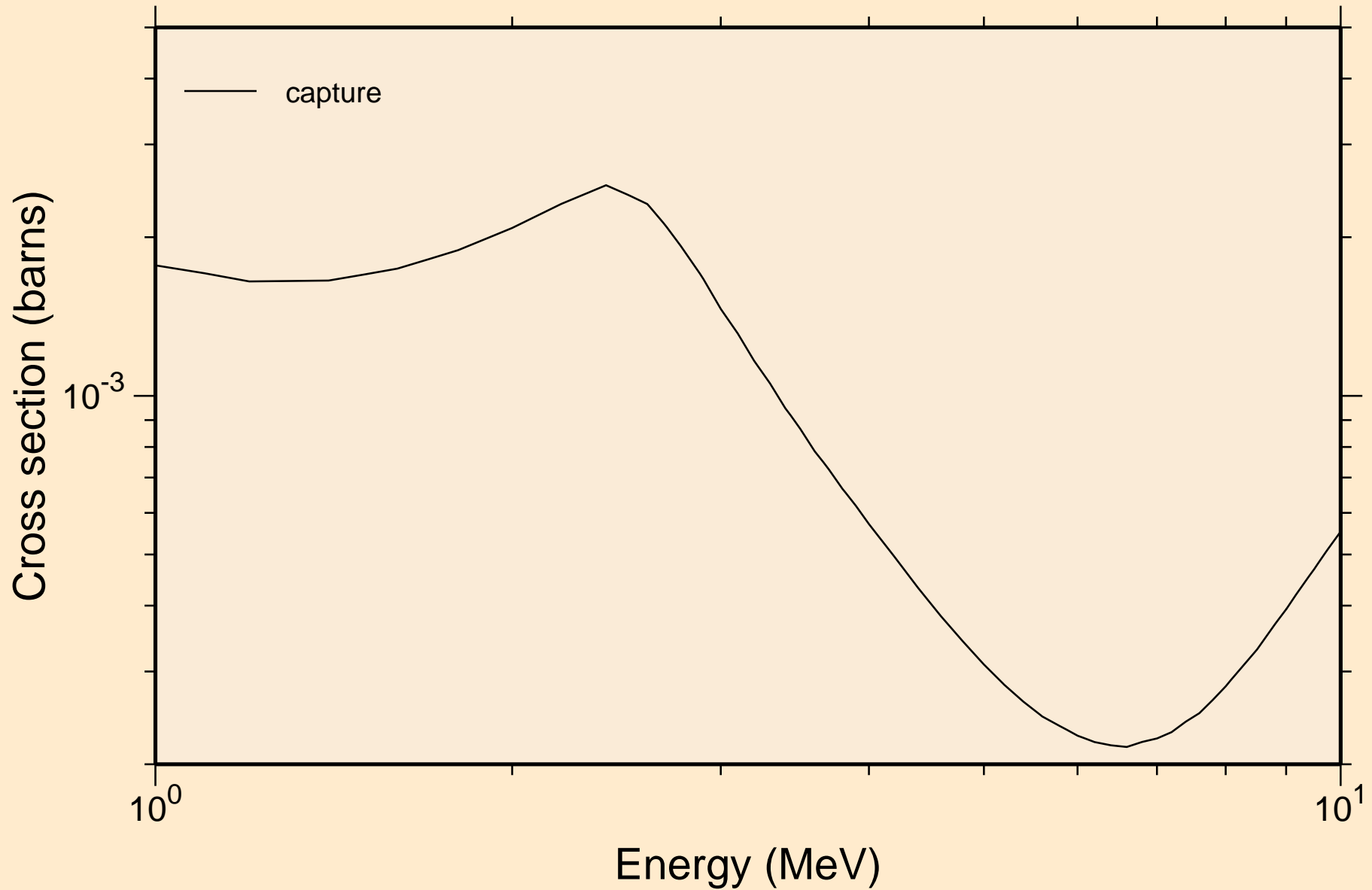
AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

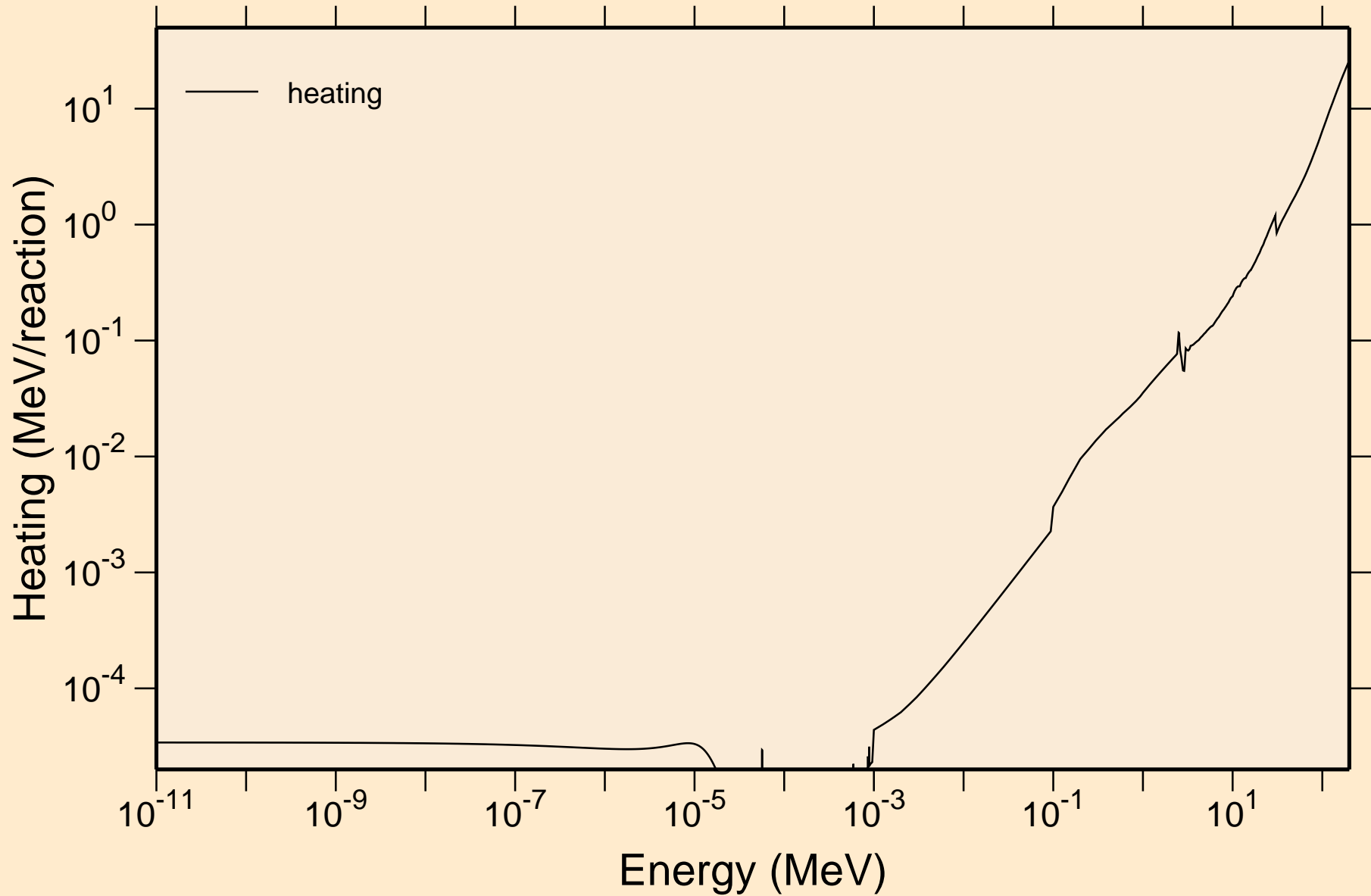


AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



# AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

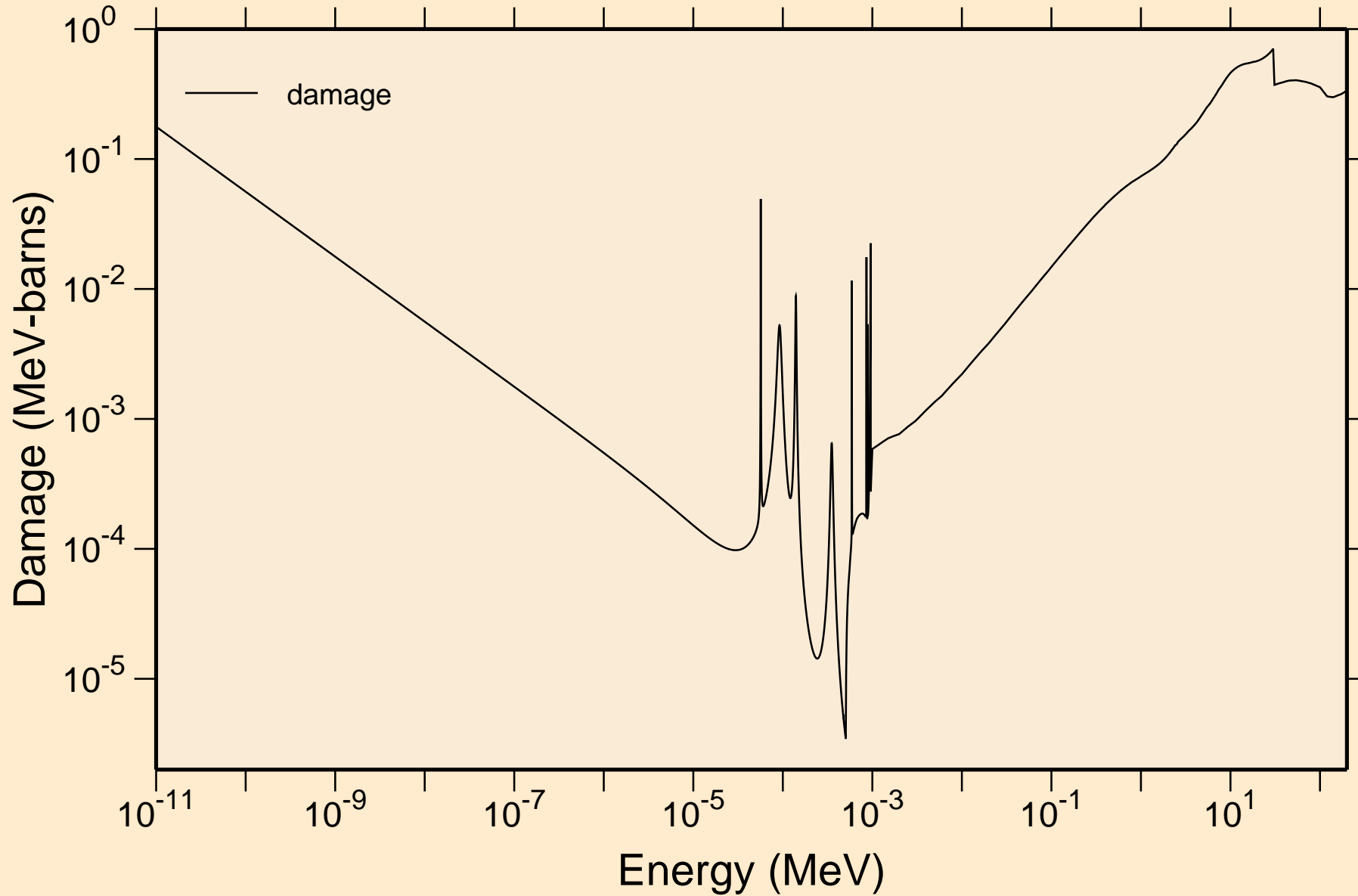
## Heating



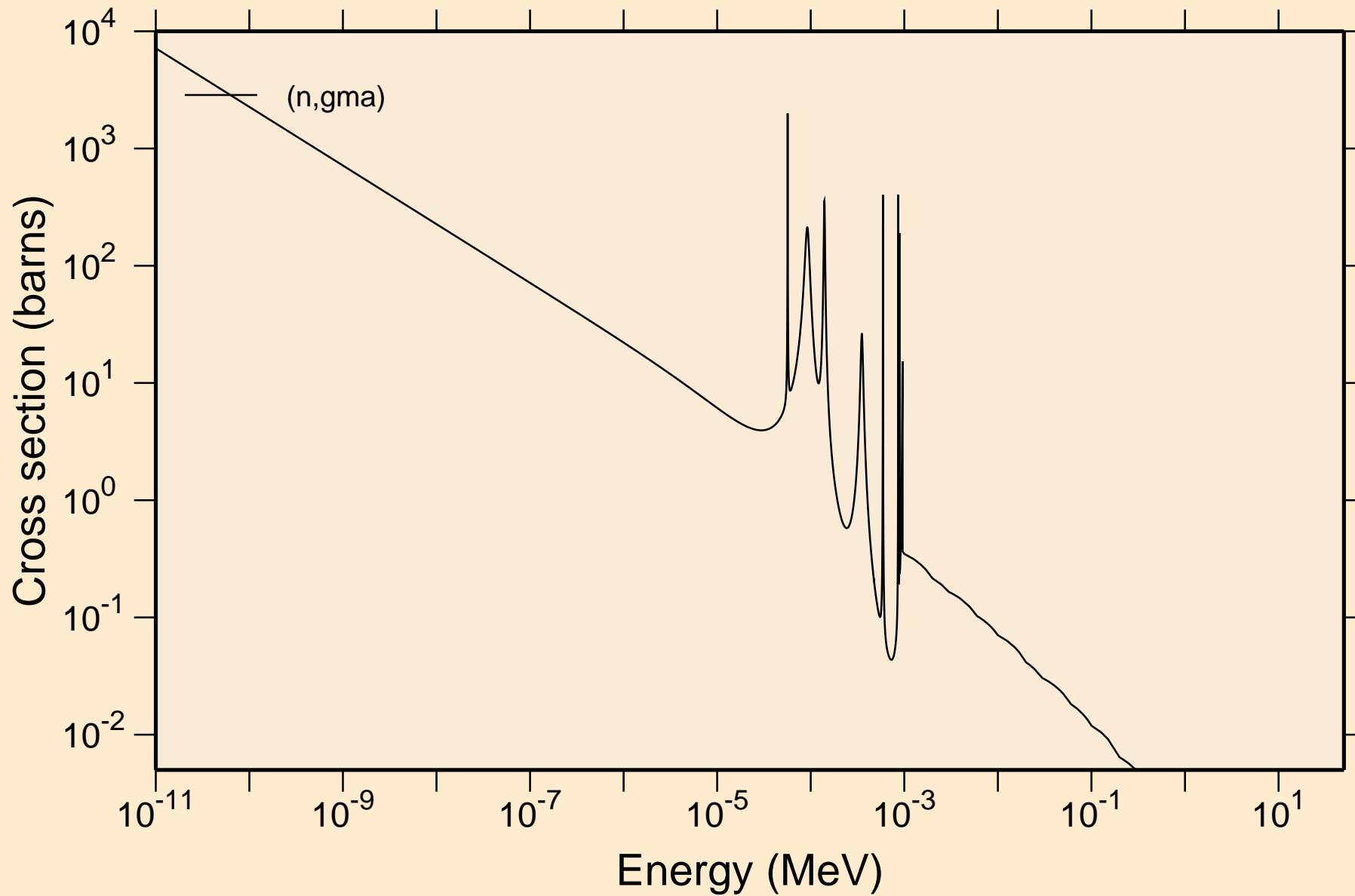


# AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage

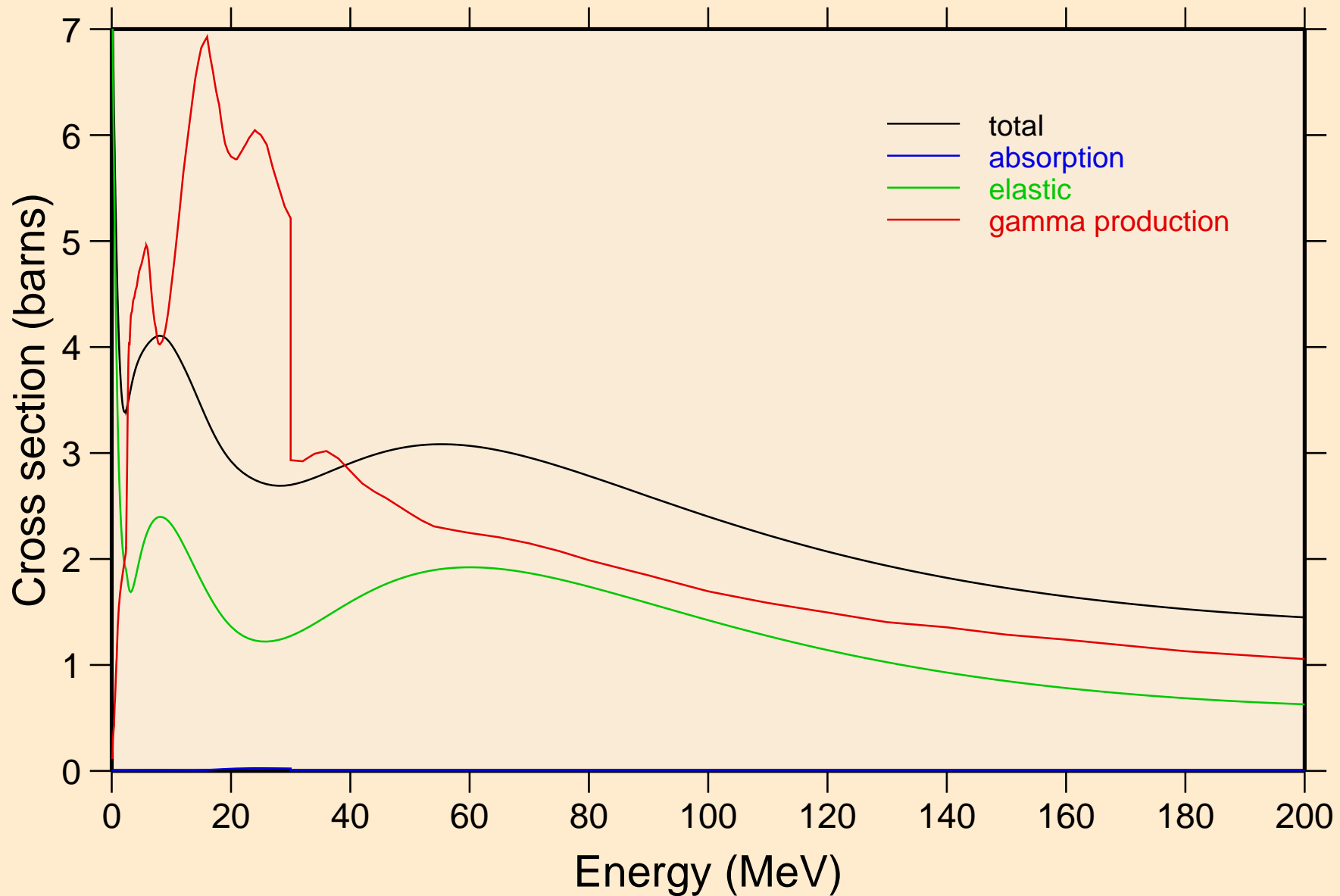


AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



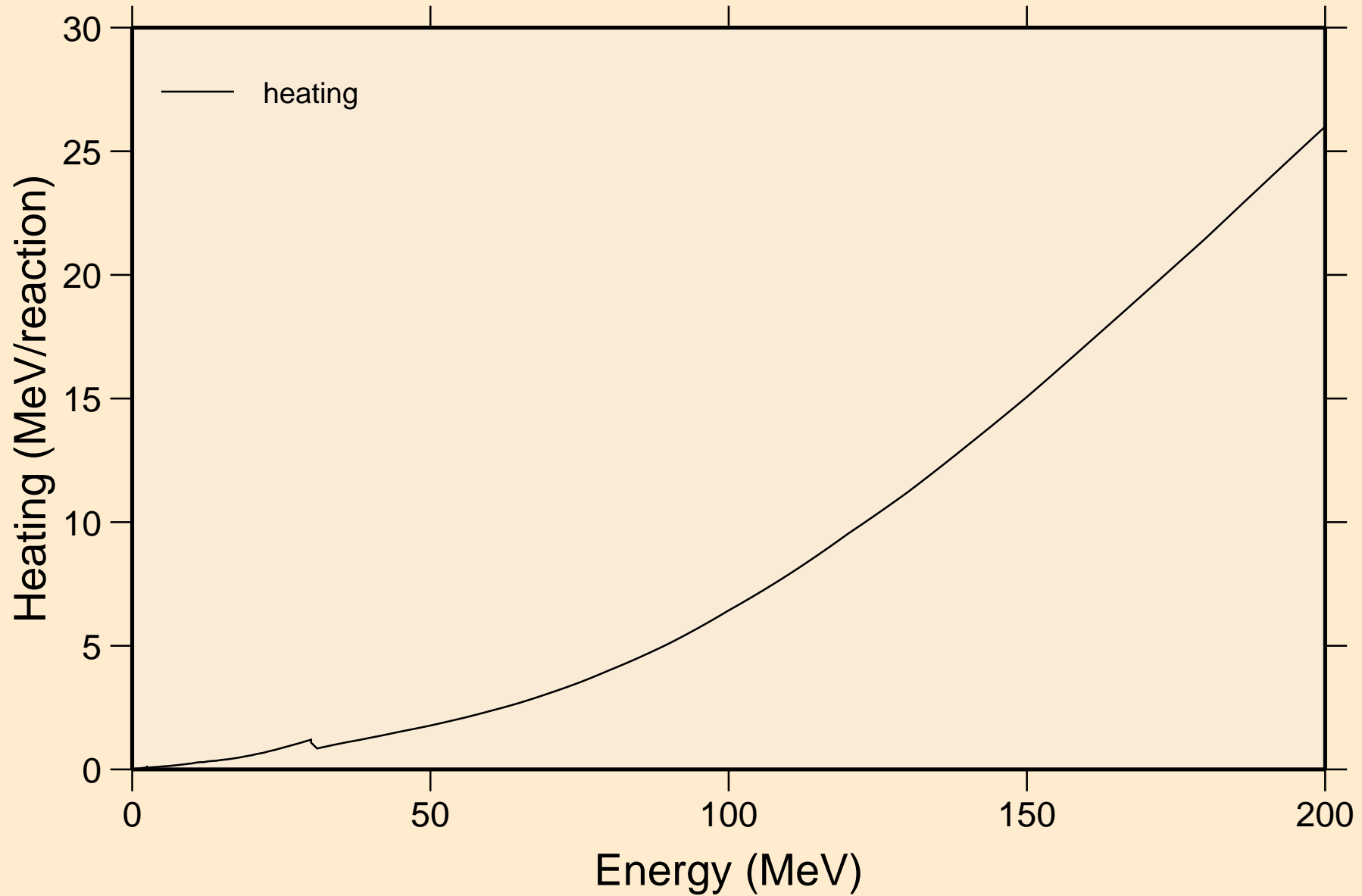
# AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



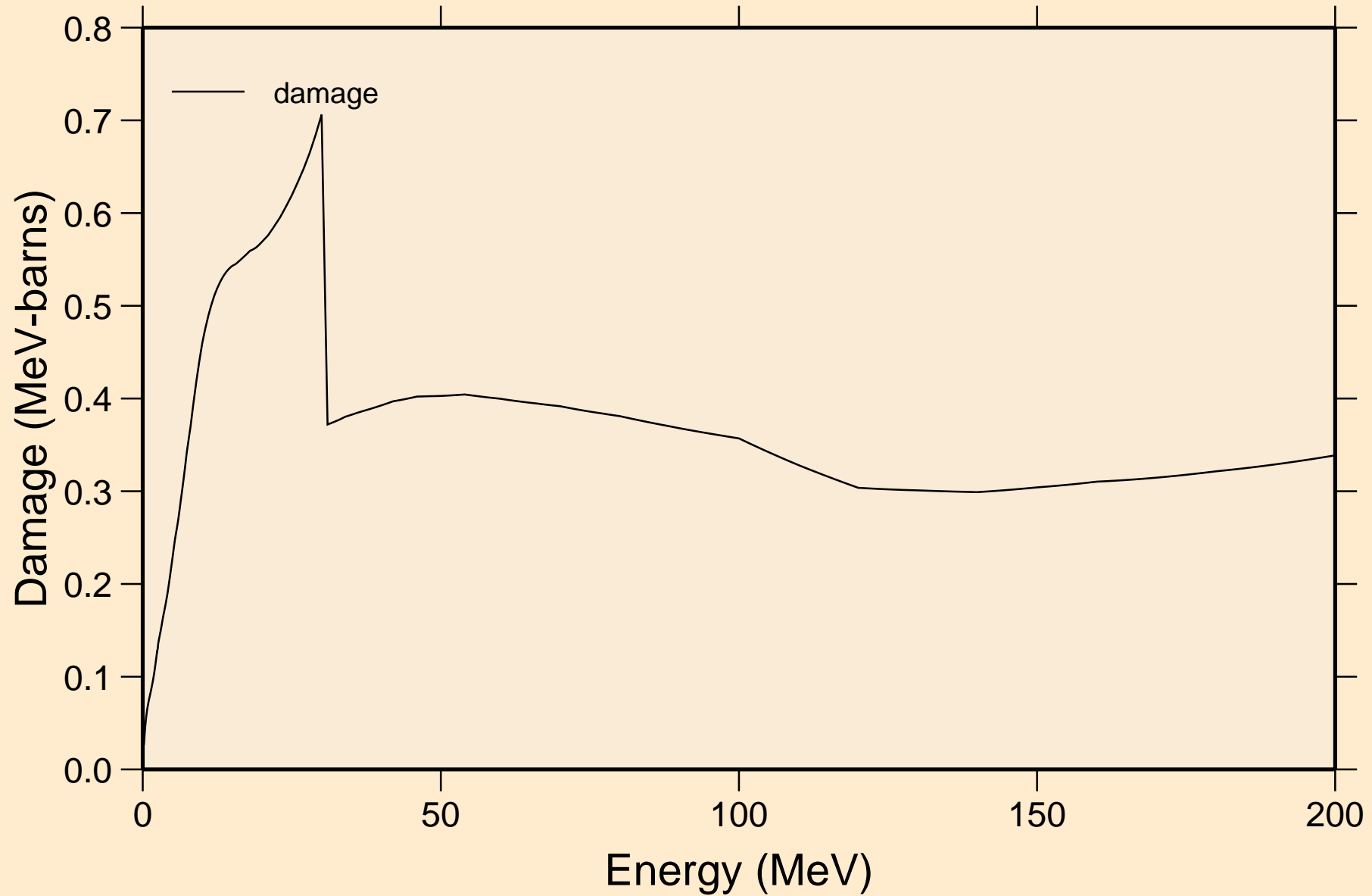
# AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

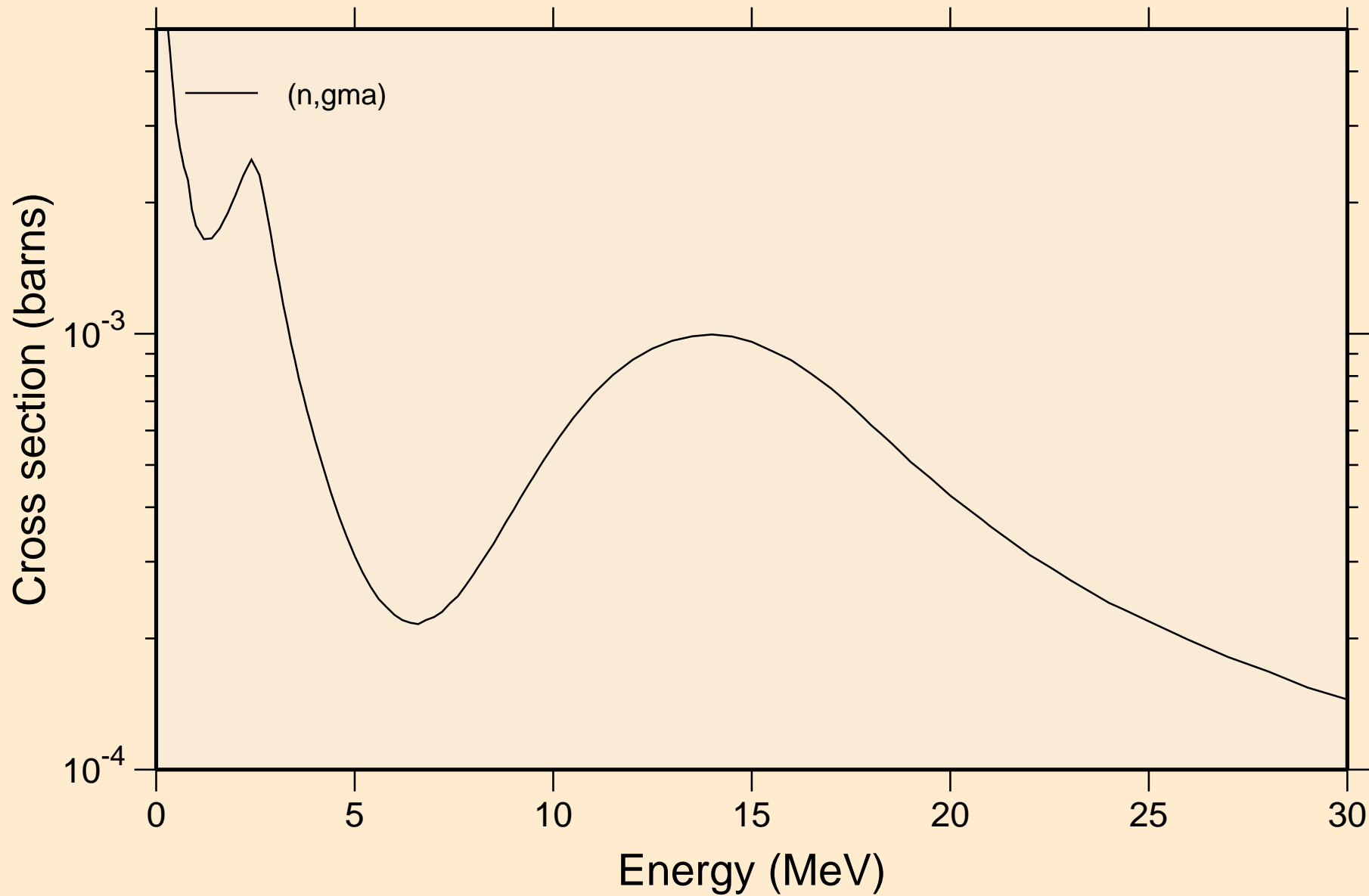


# AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

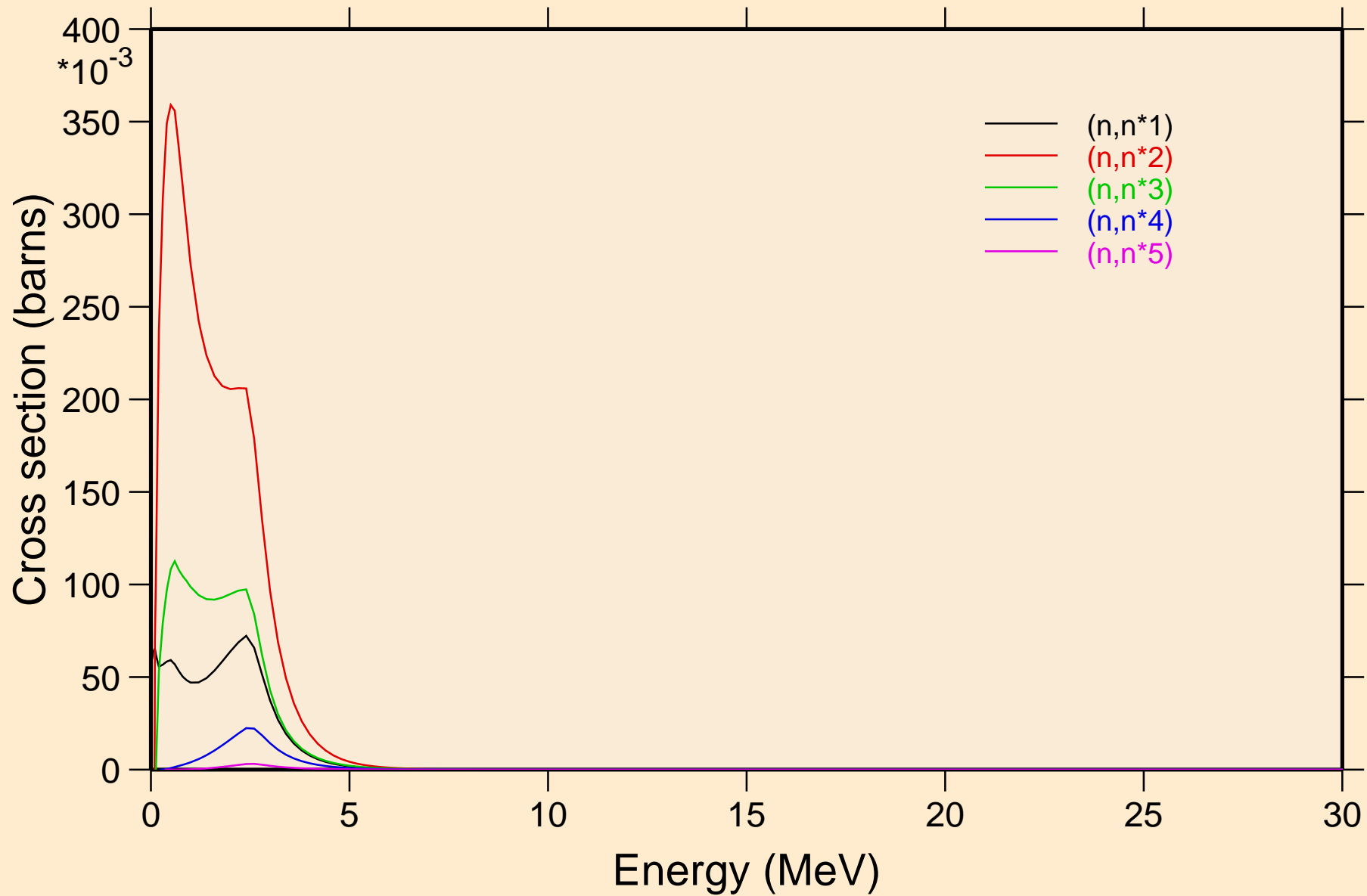
## Damage



AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

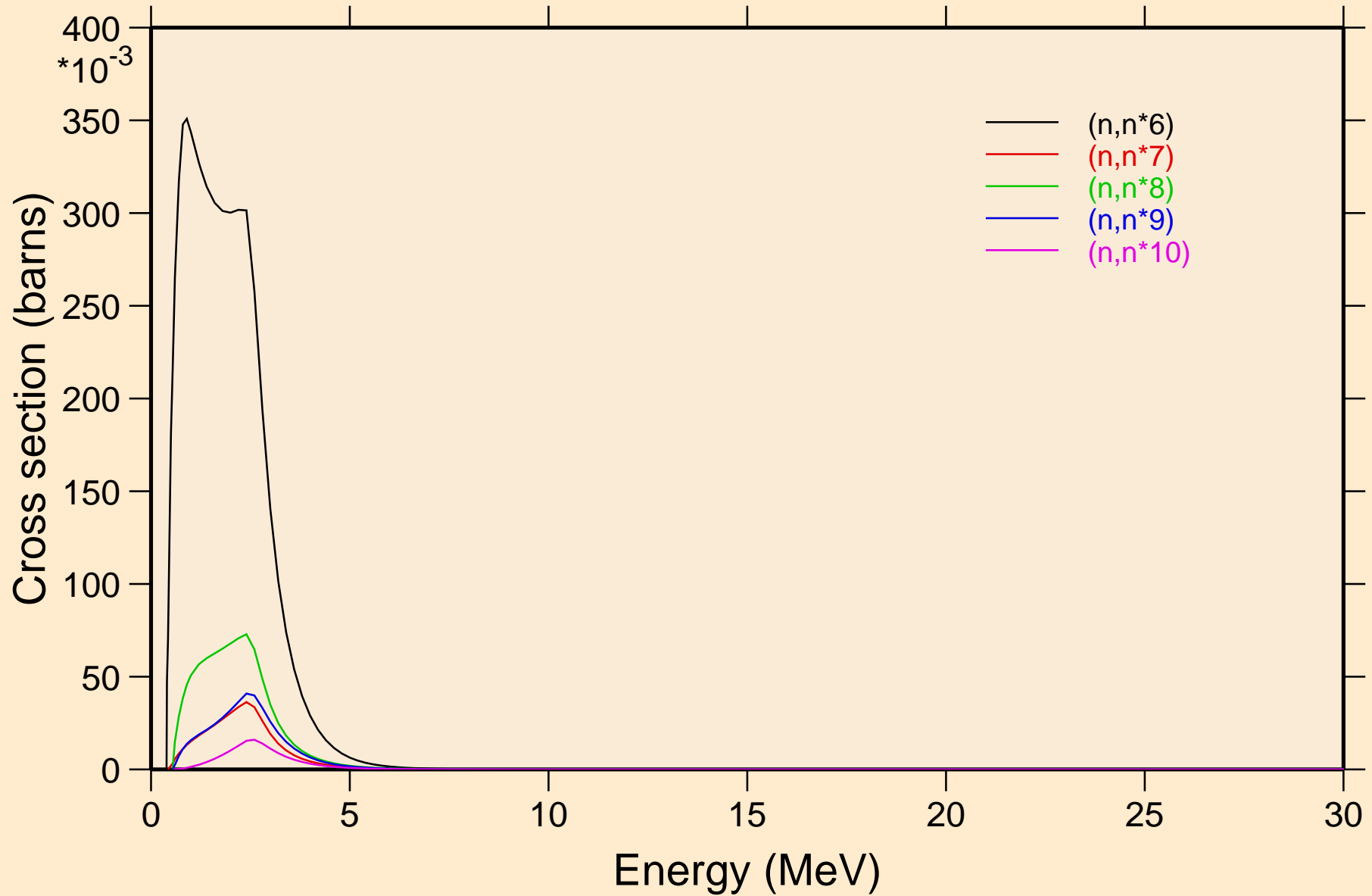


AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



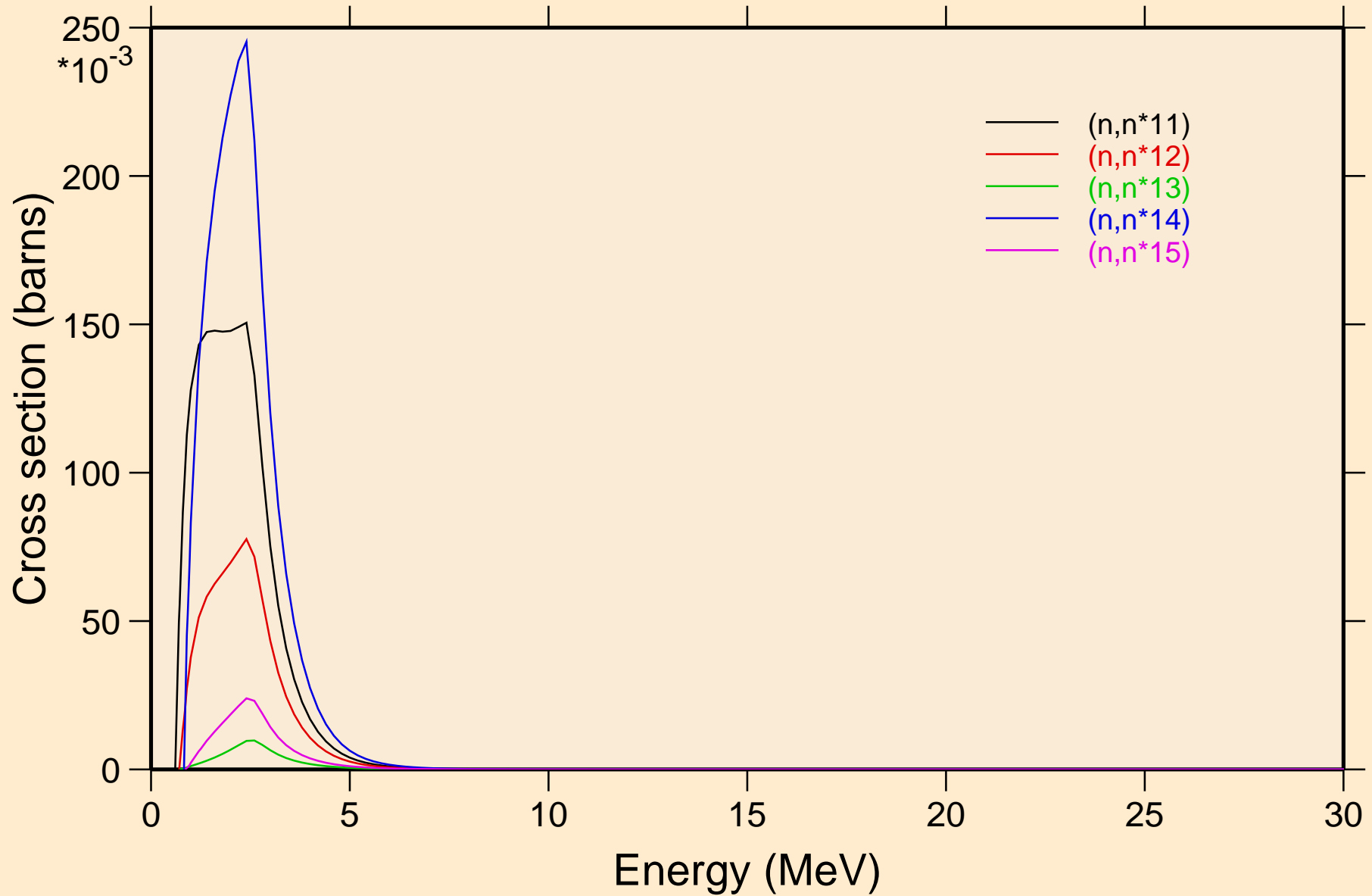
# AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels

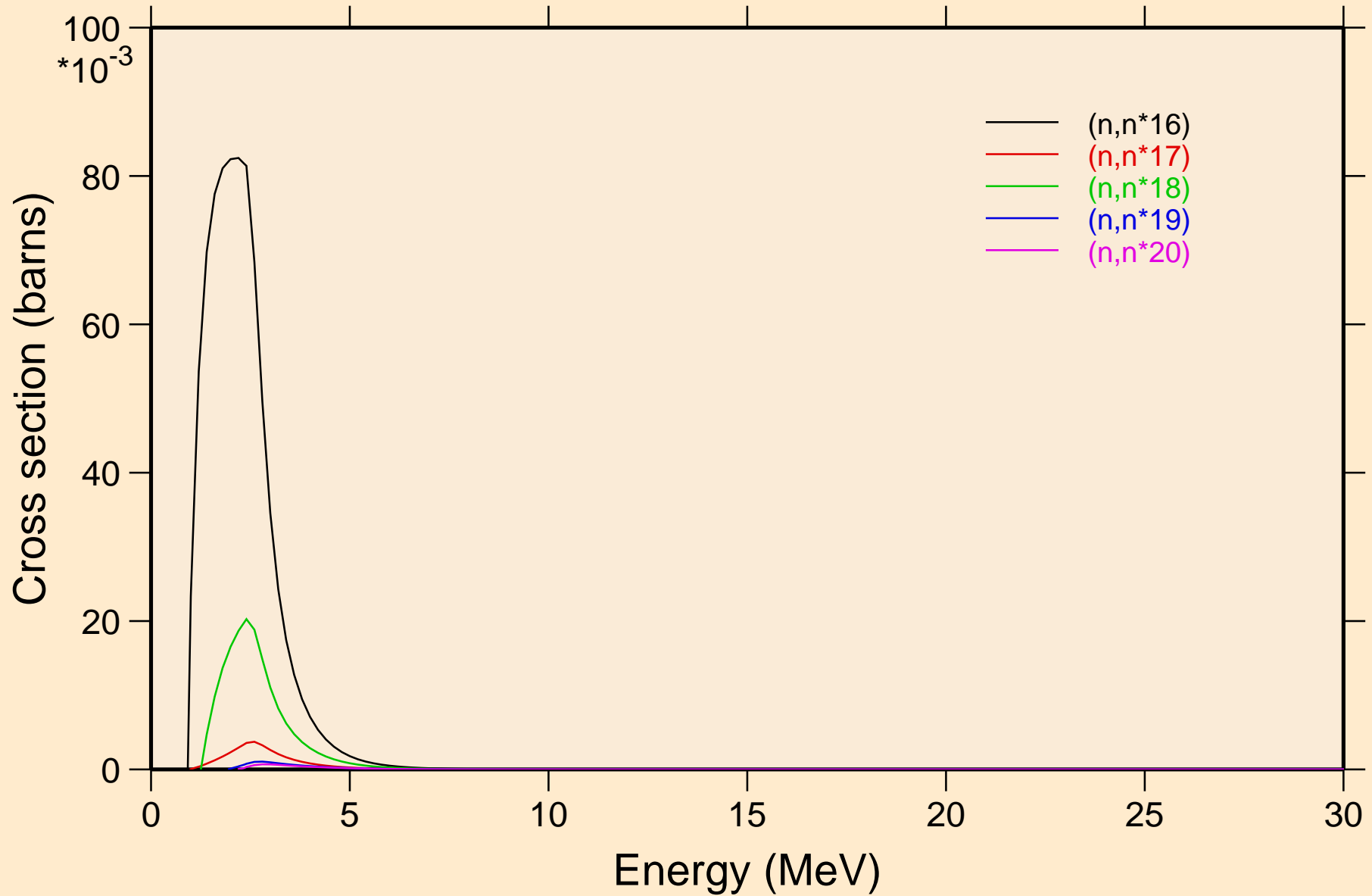




AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

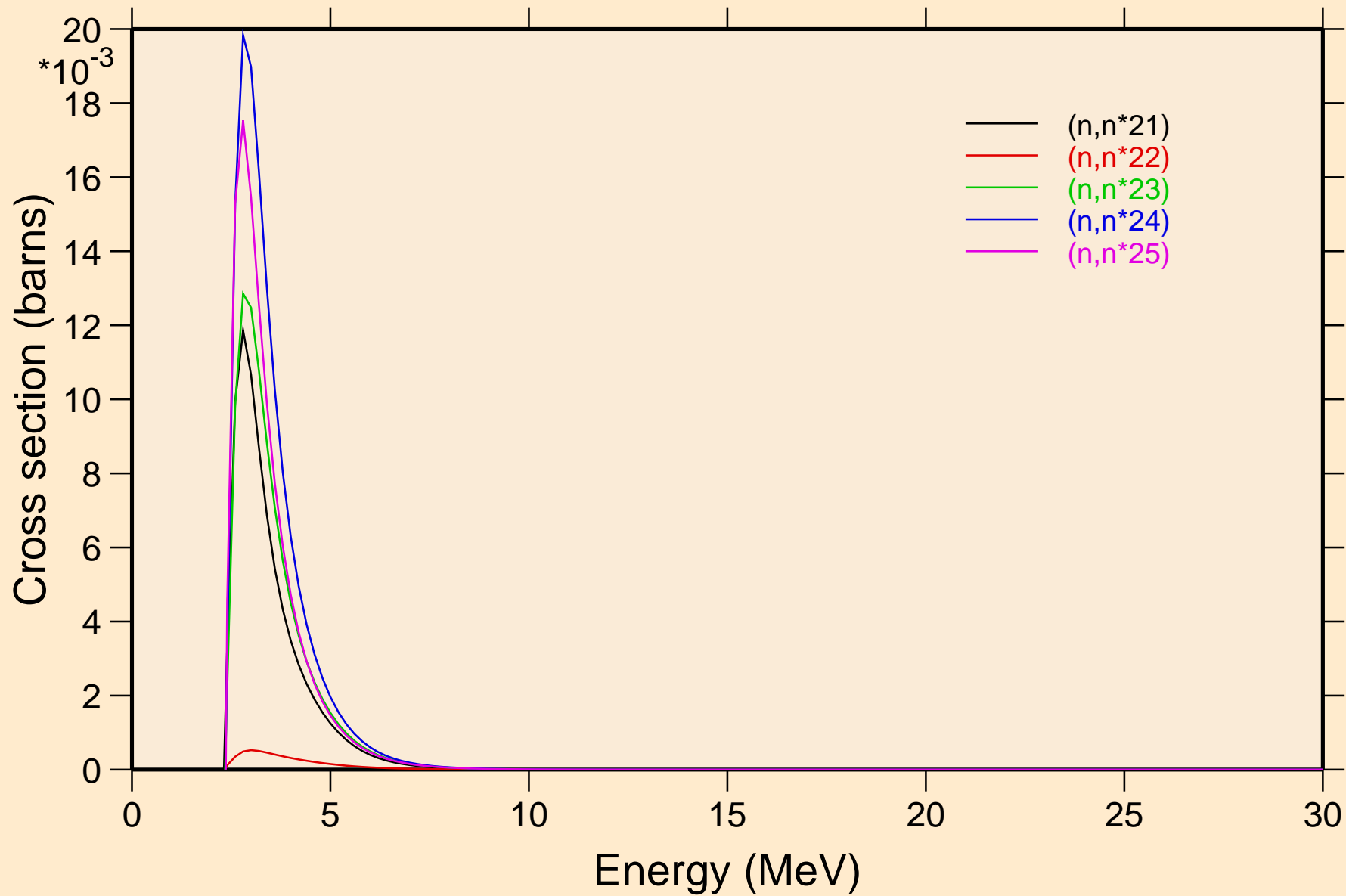


AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

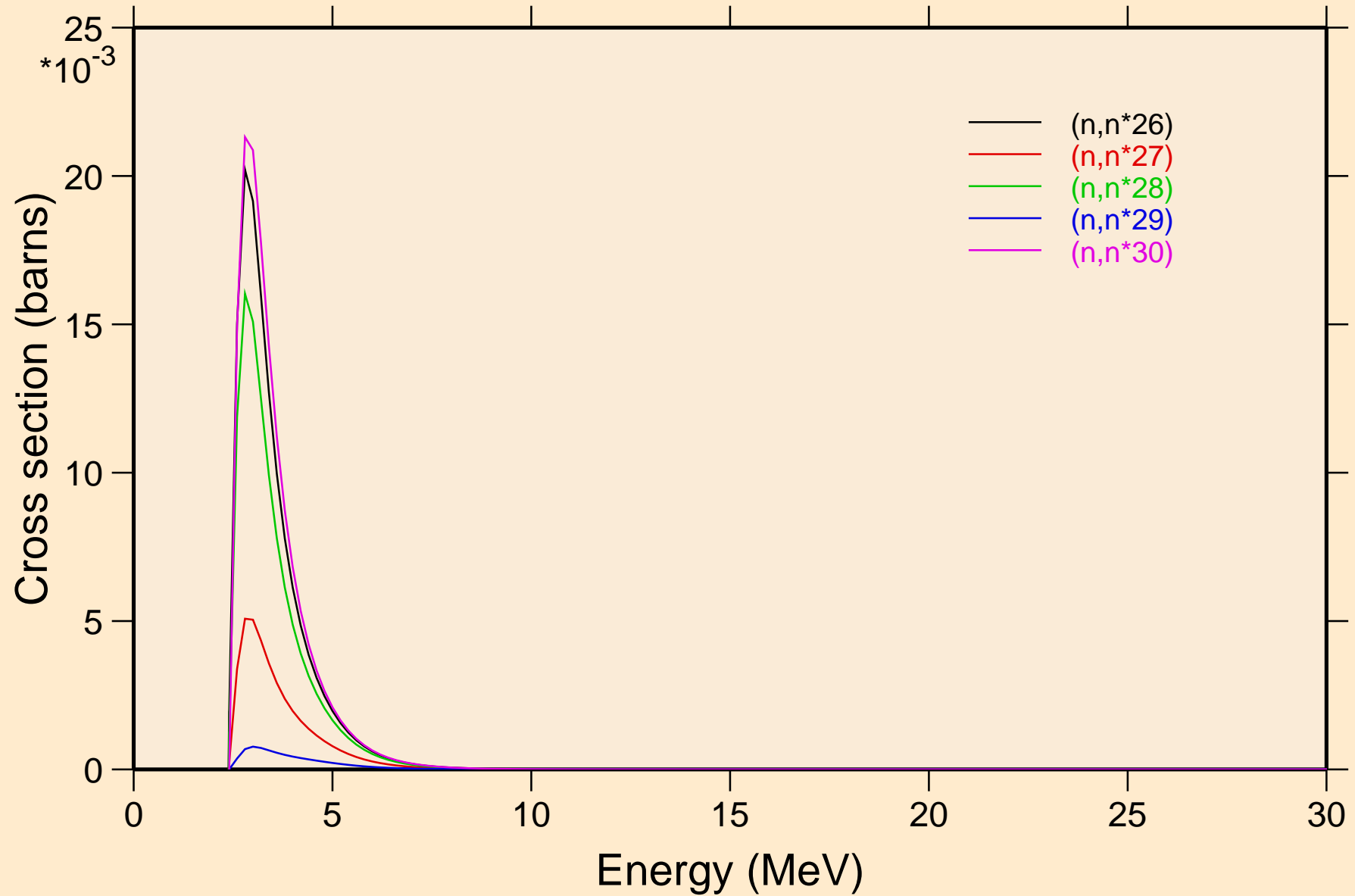


# AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

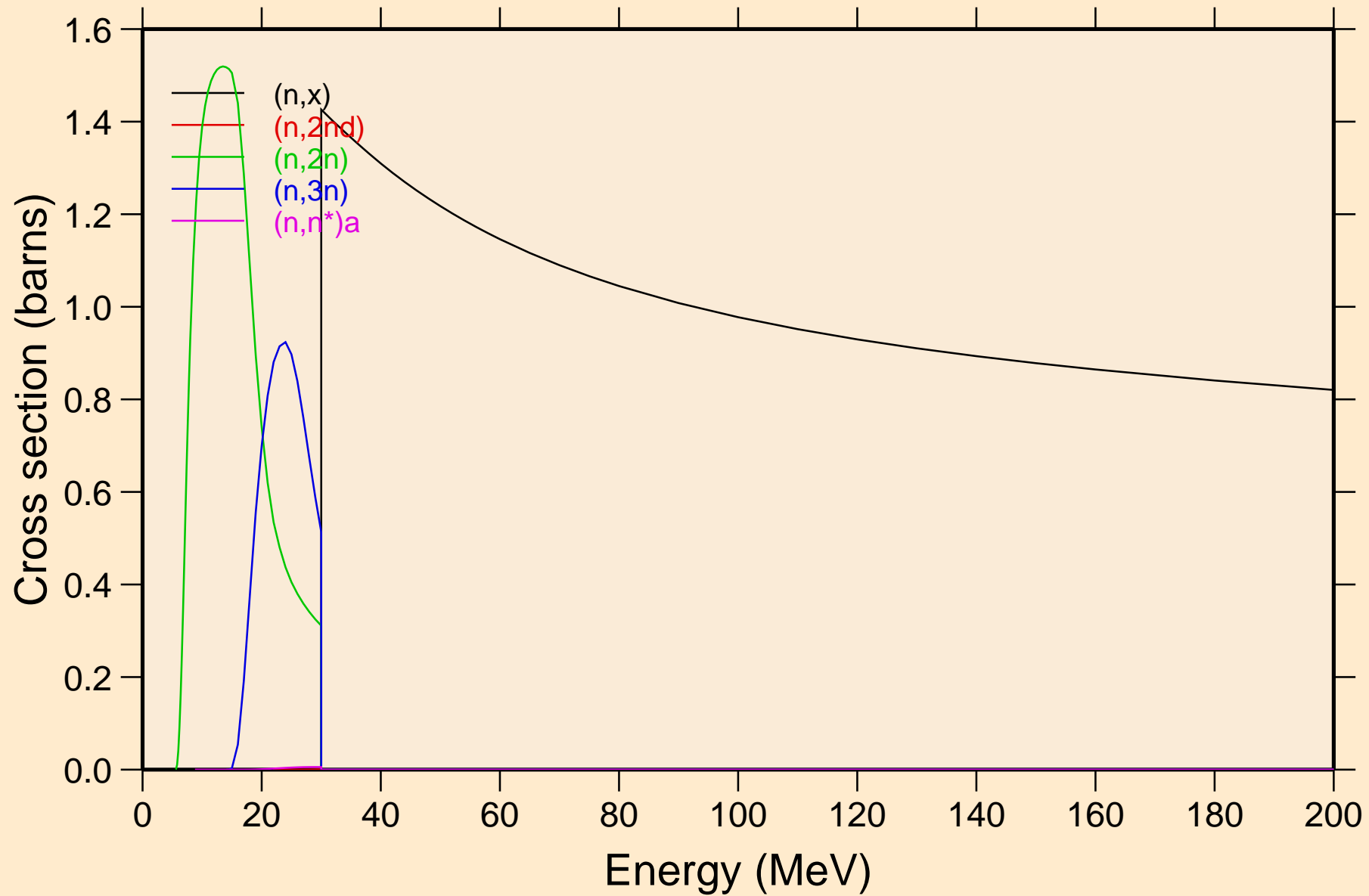
## Inelastic levels



AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

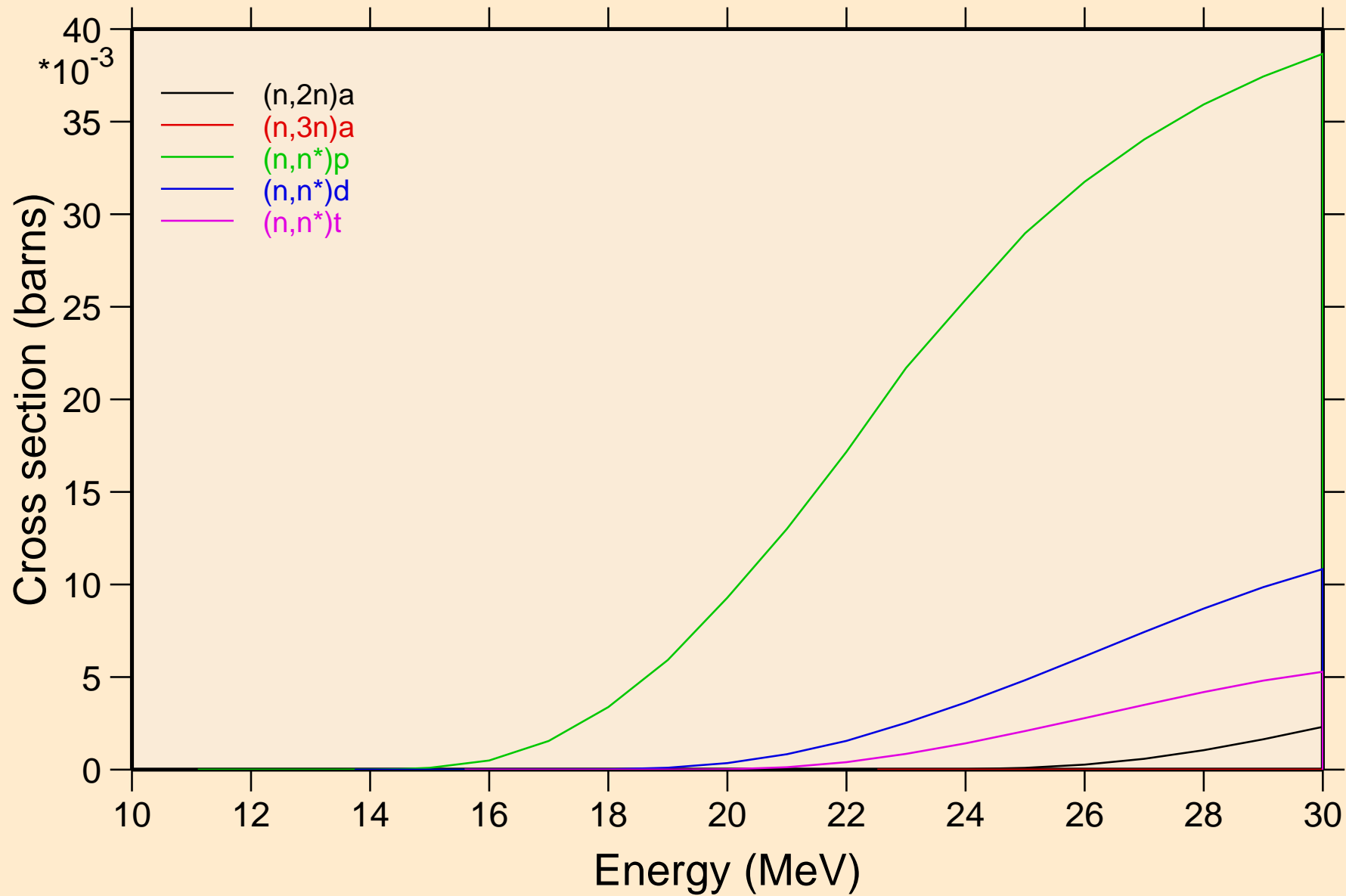


AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

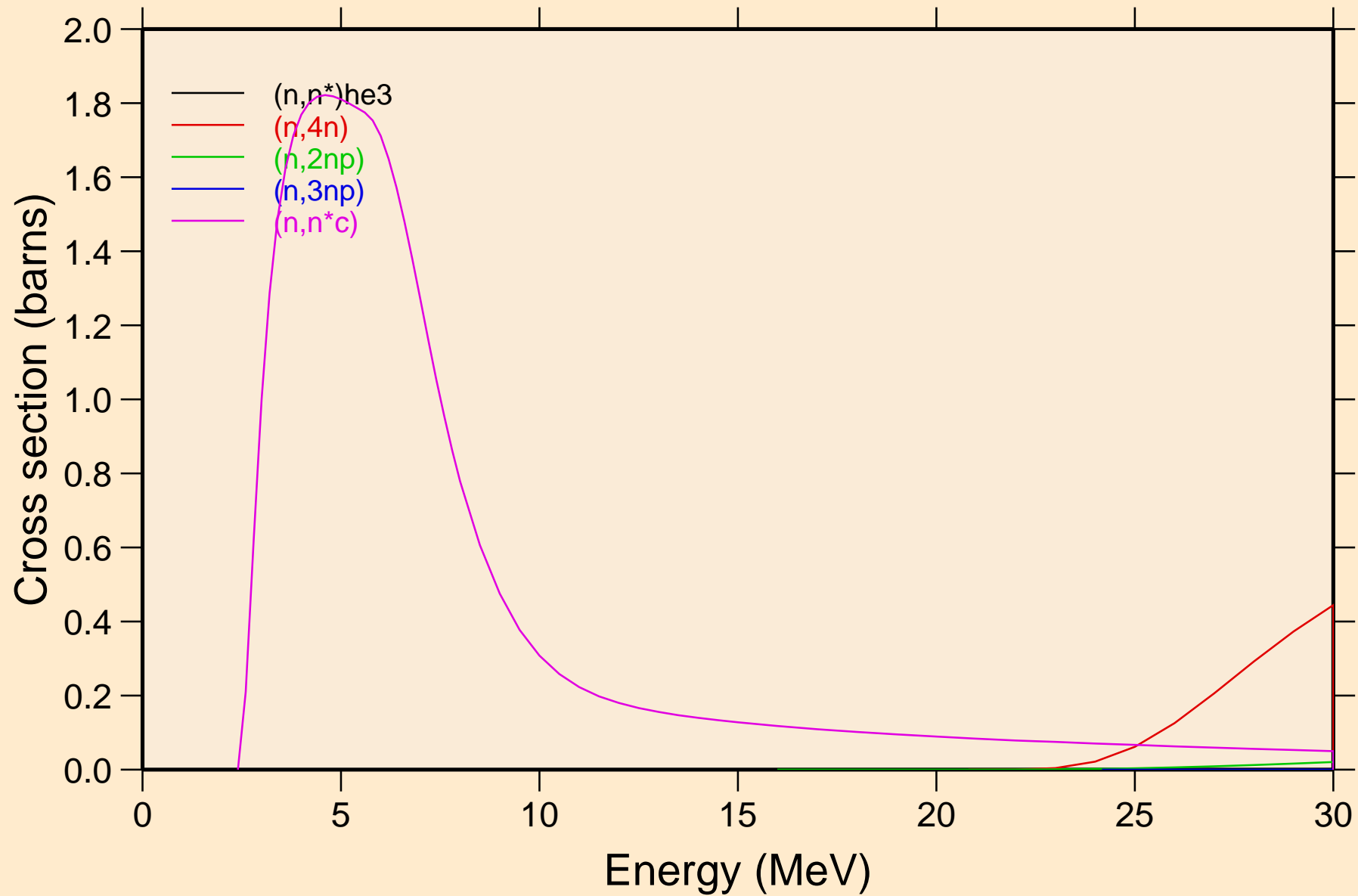


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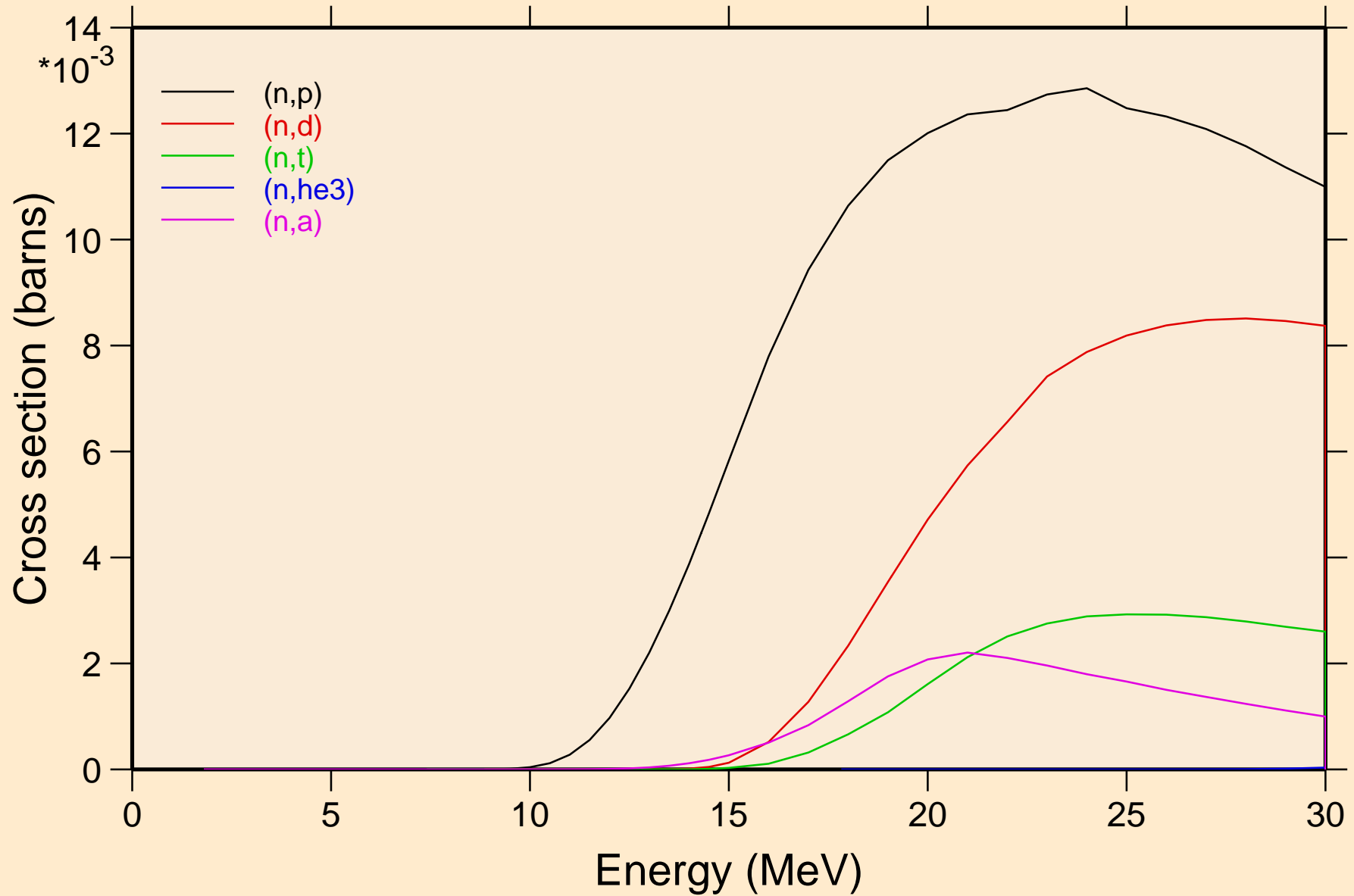
## Threshold reactions



AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

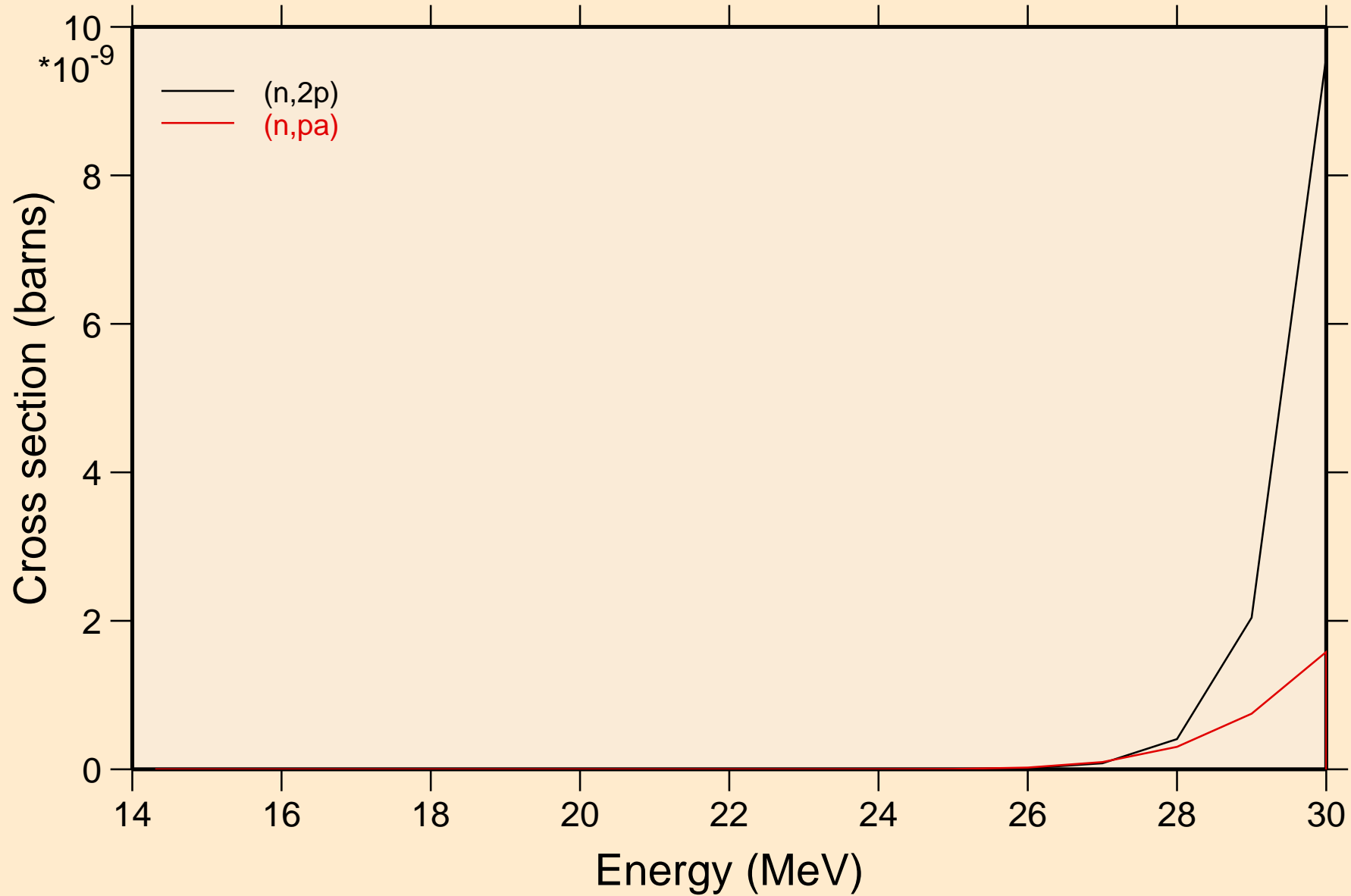


AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



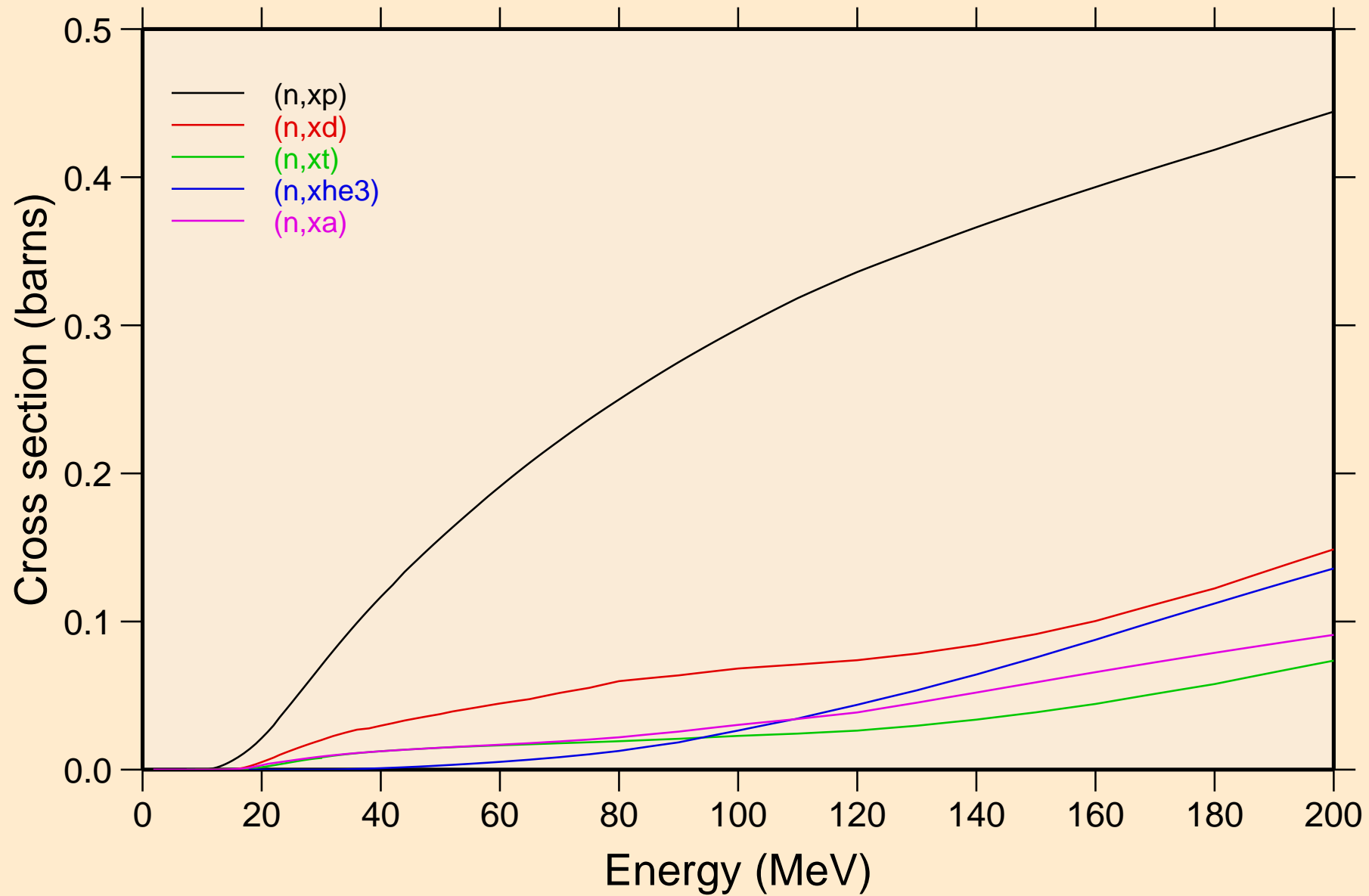


AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

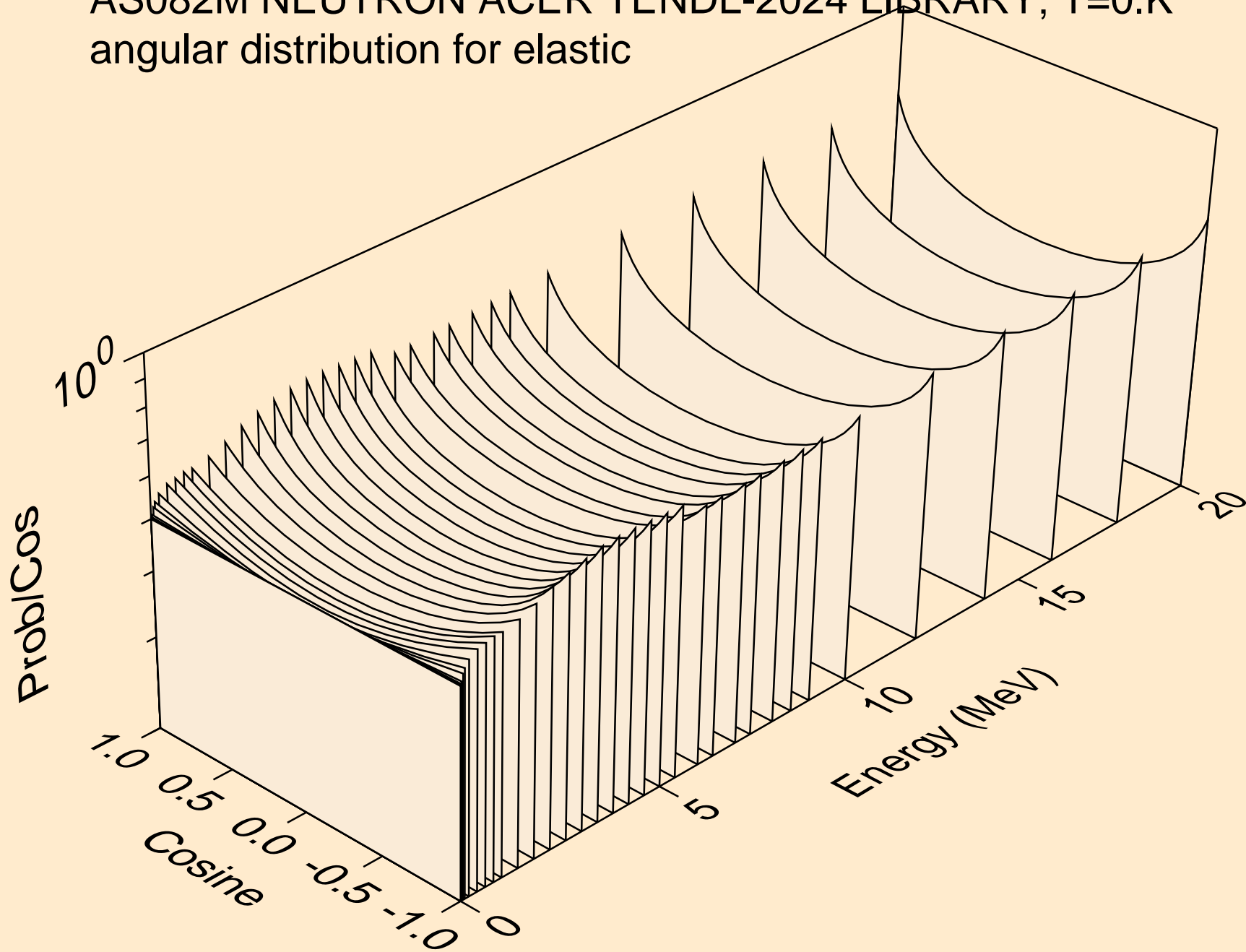


# AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

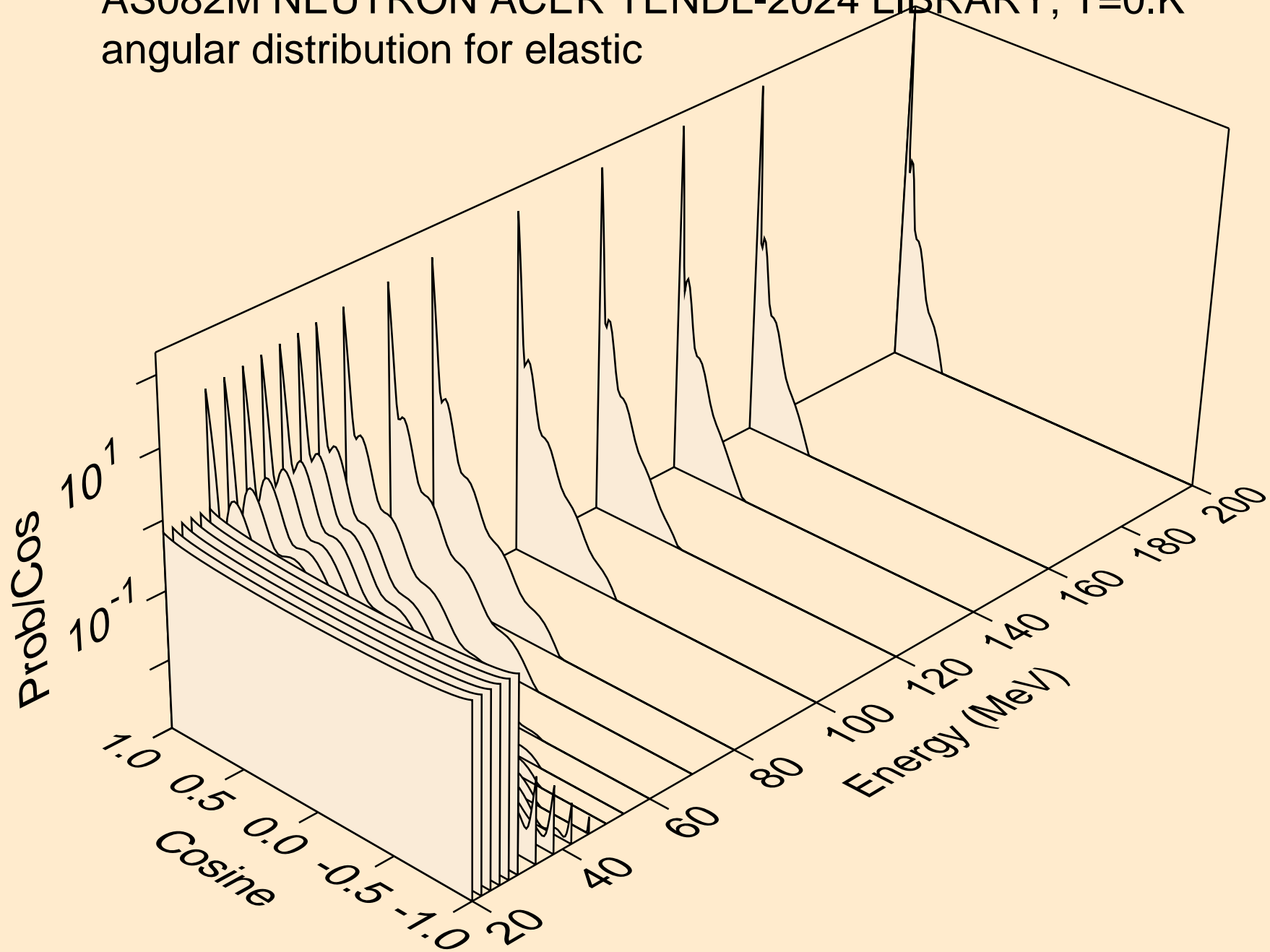
## Threshold reactions



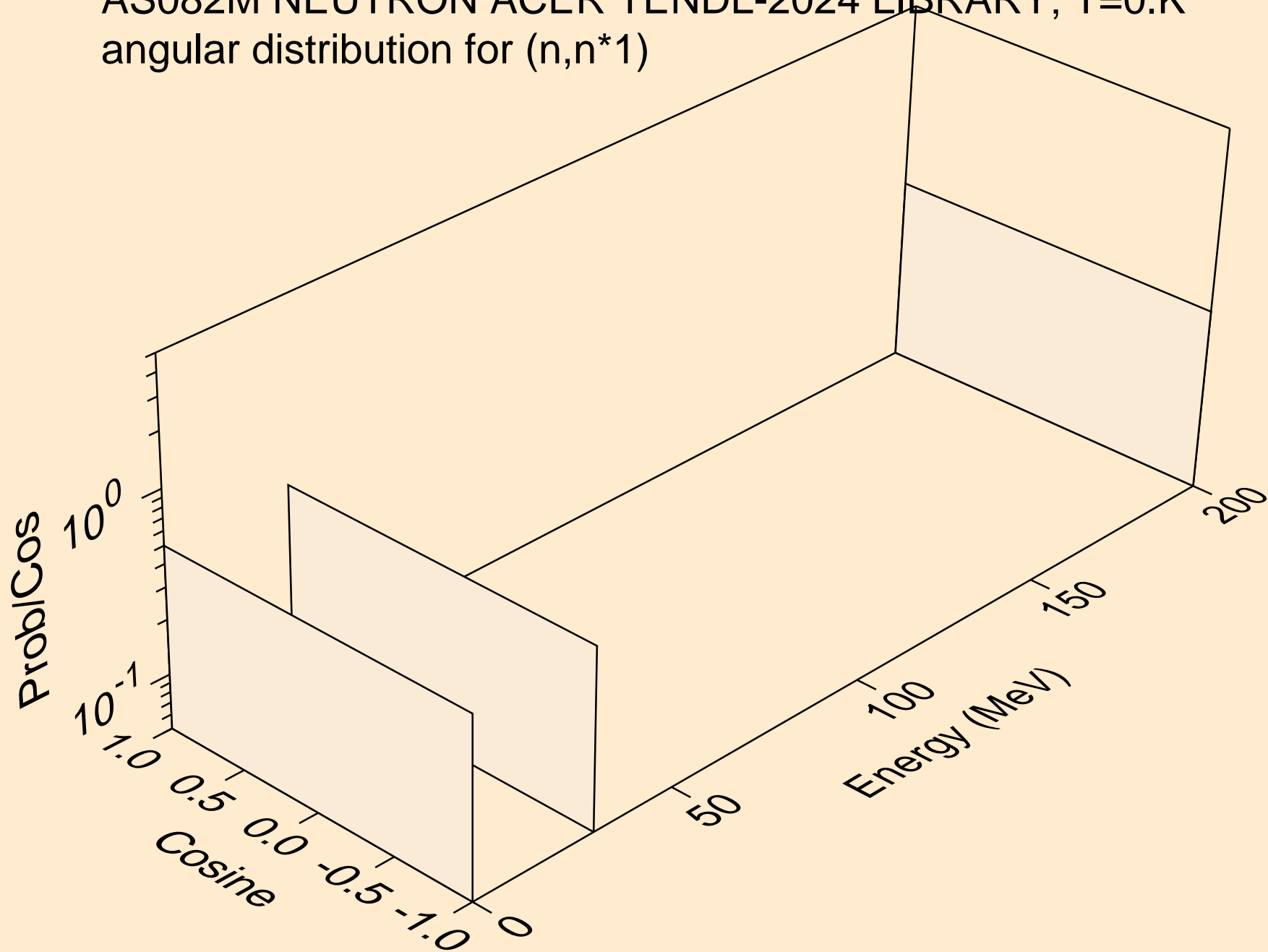
AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



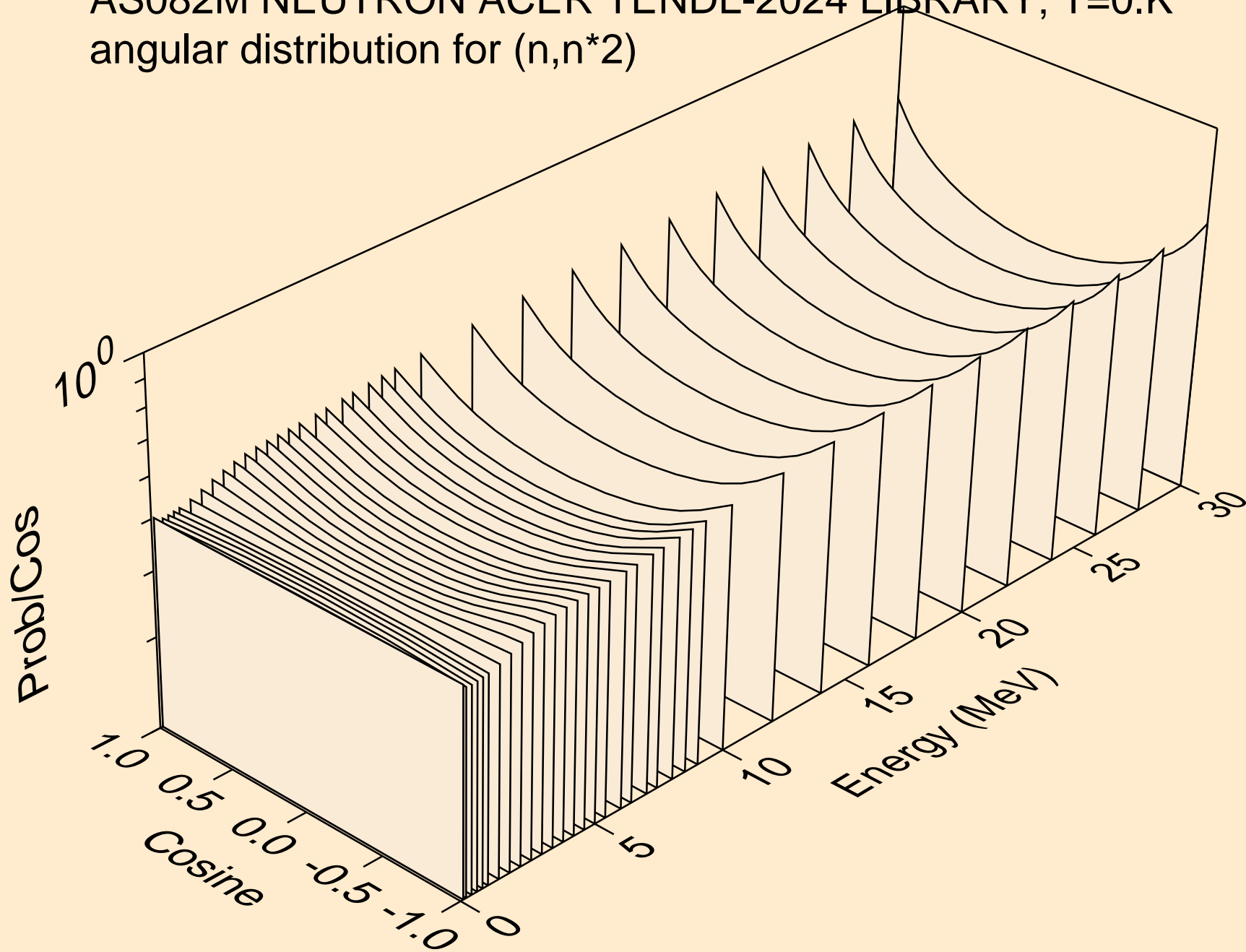
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angular distribution for elastic



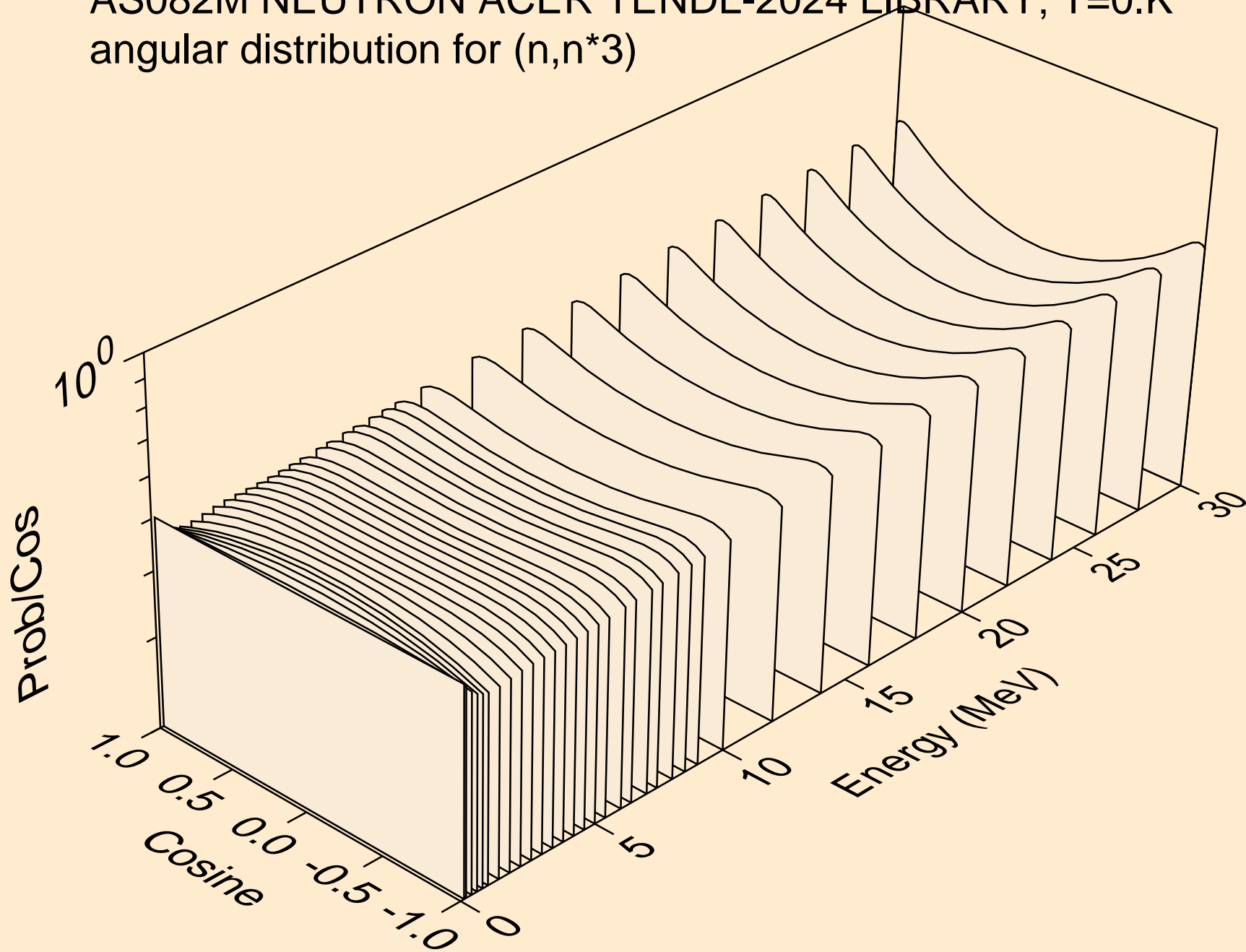
AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



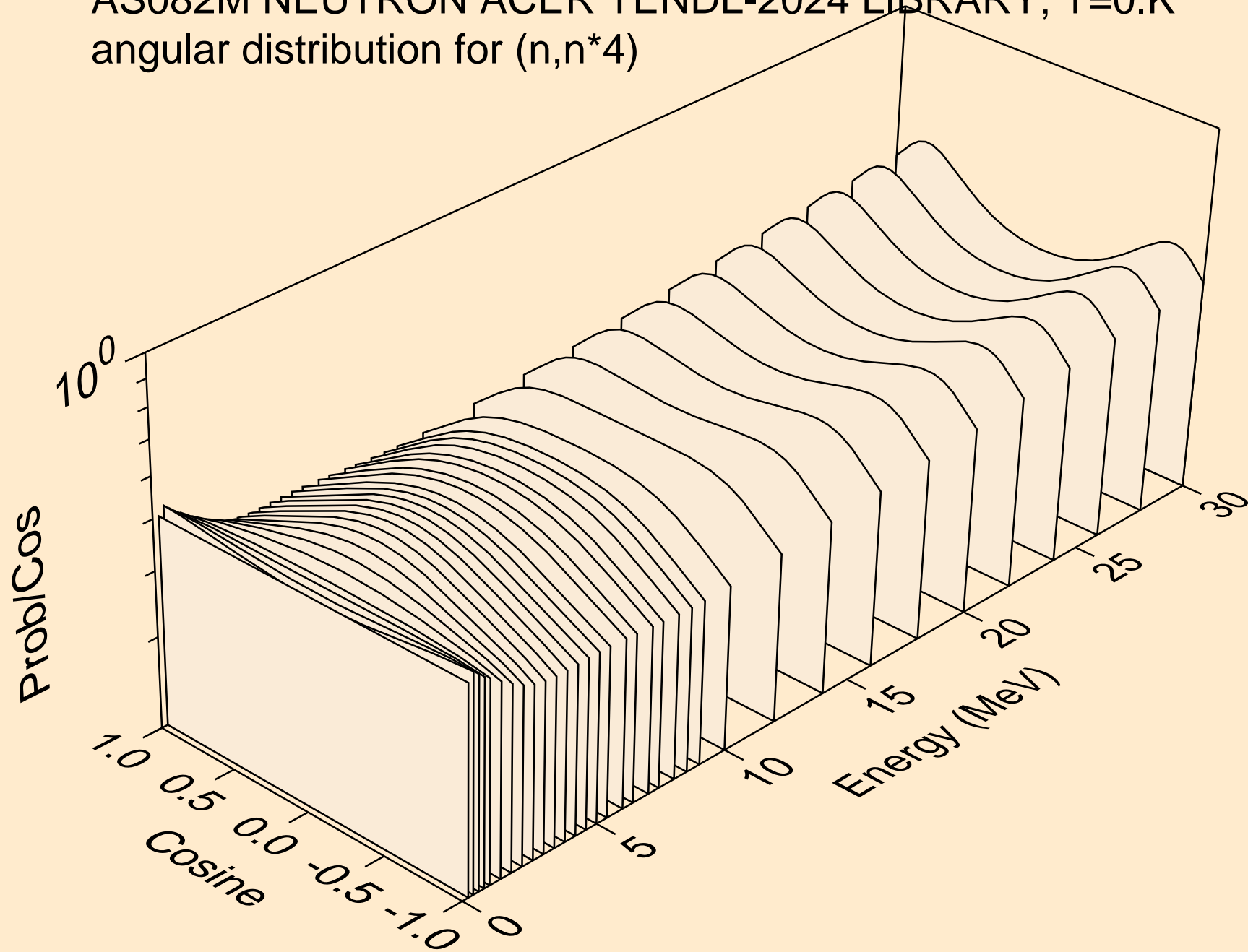
AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)

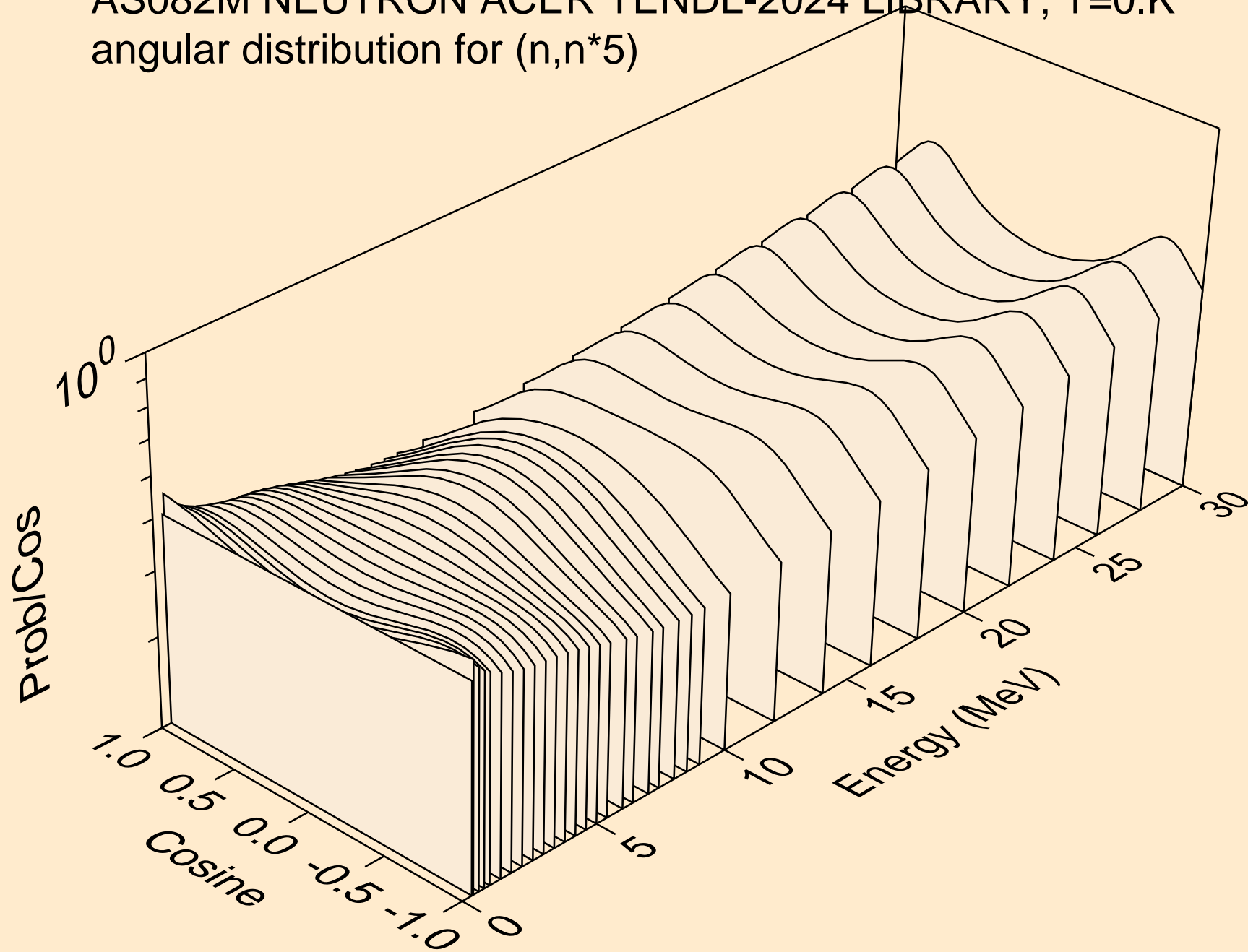


AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)

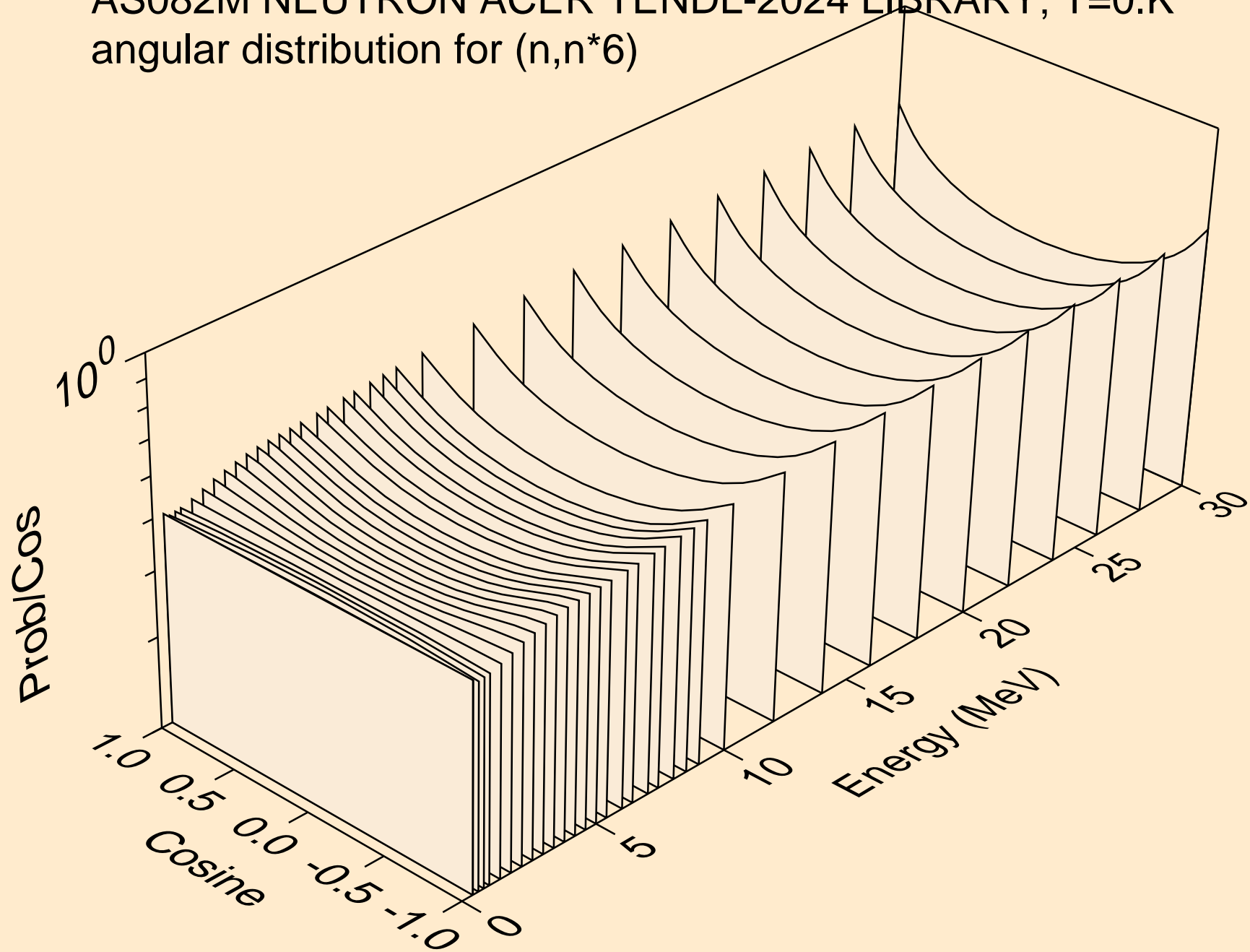




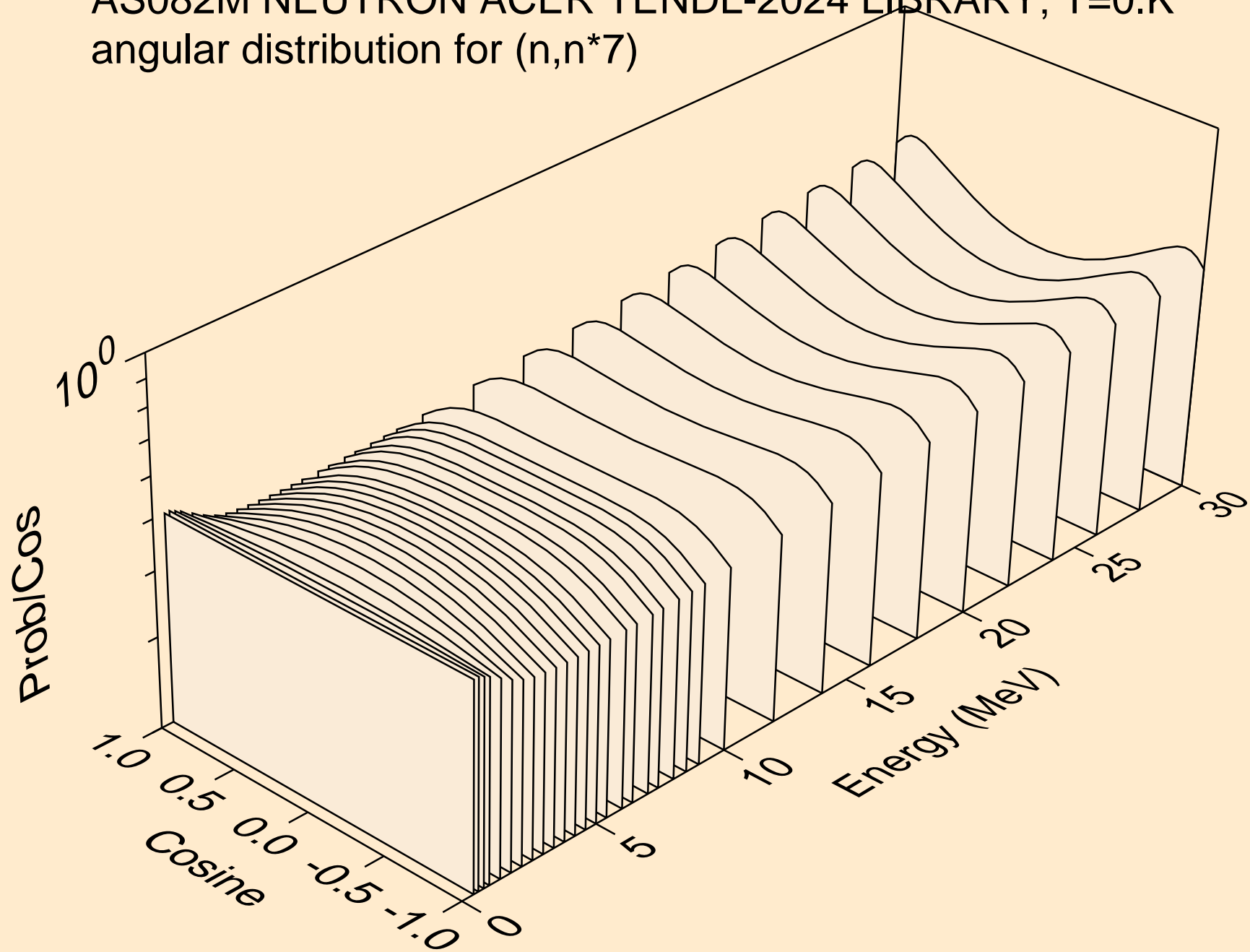
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angular distribution for (n,n\*5)



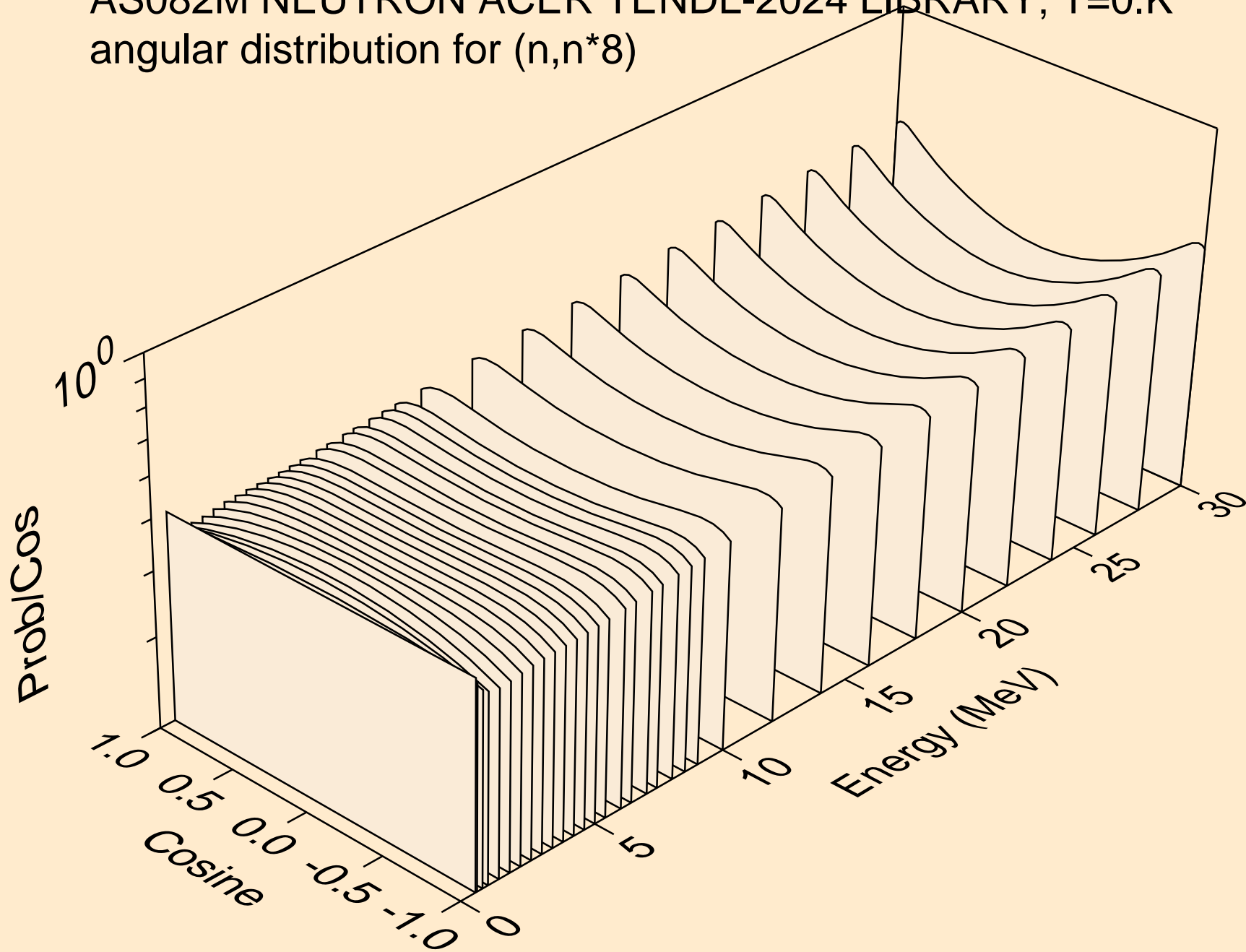
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angular distribution for (n,n\*6)



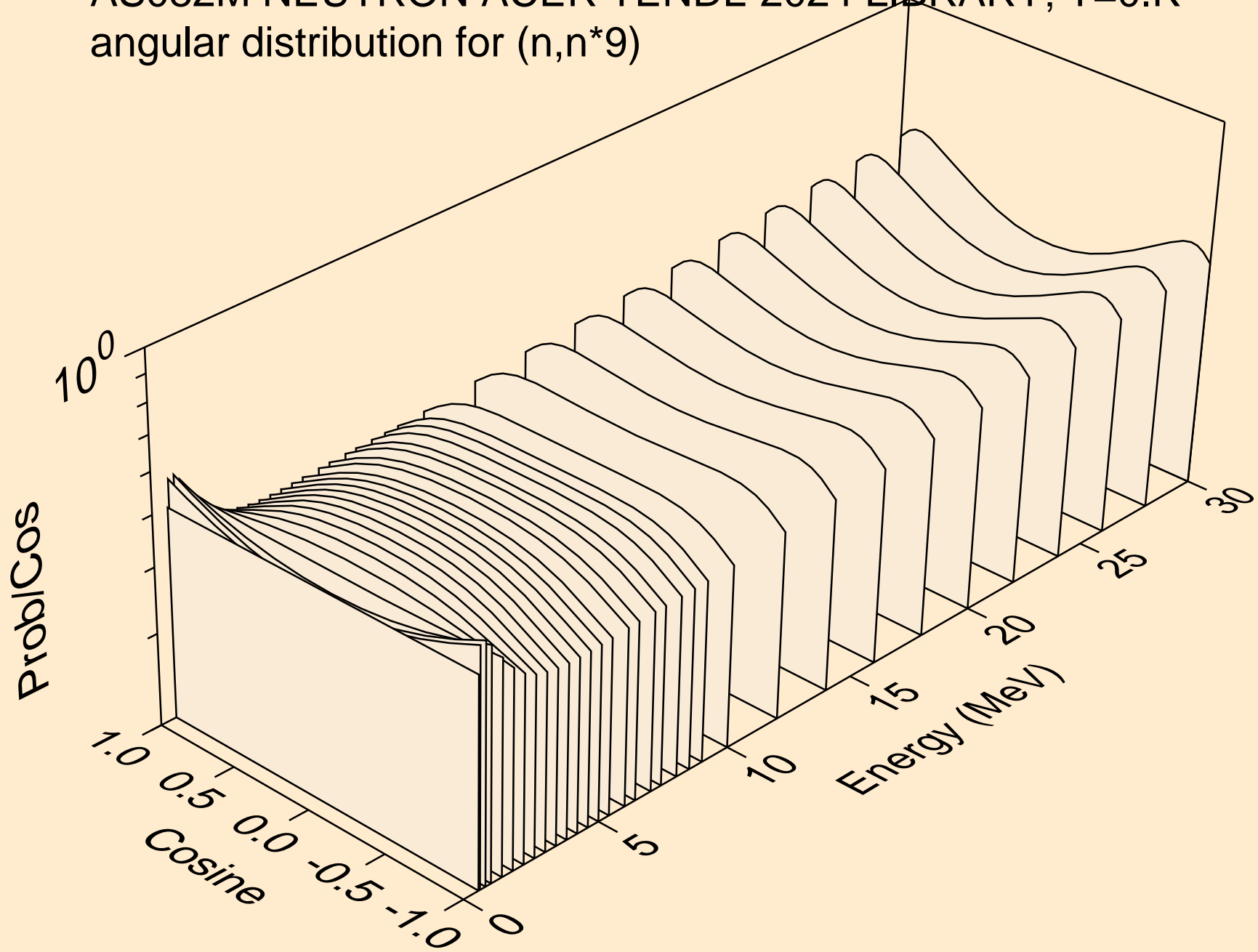
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angular distribution for (n,n\*7)



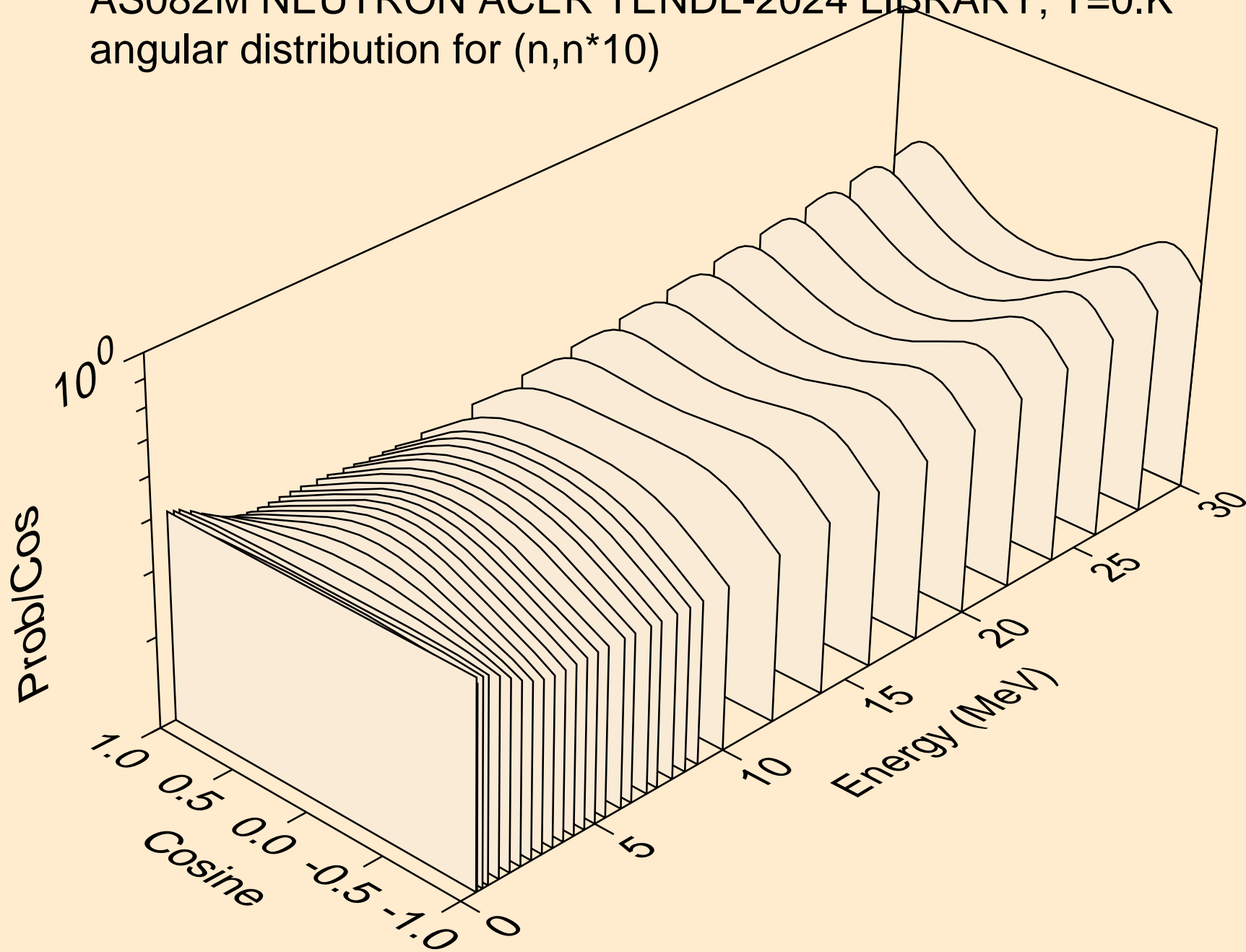
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angular distribution for (n,n\*8)



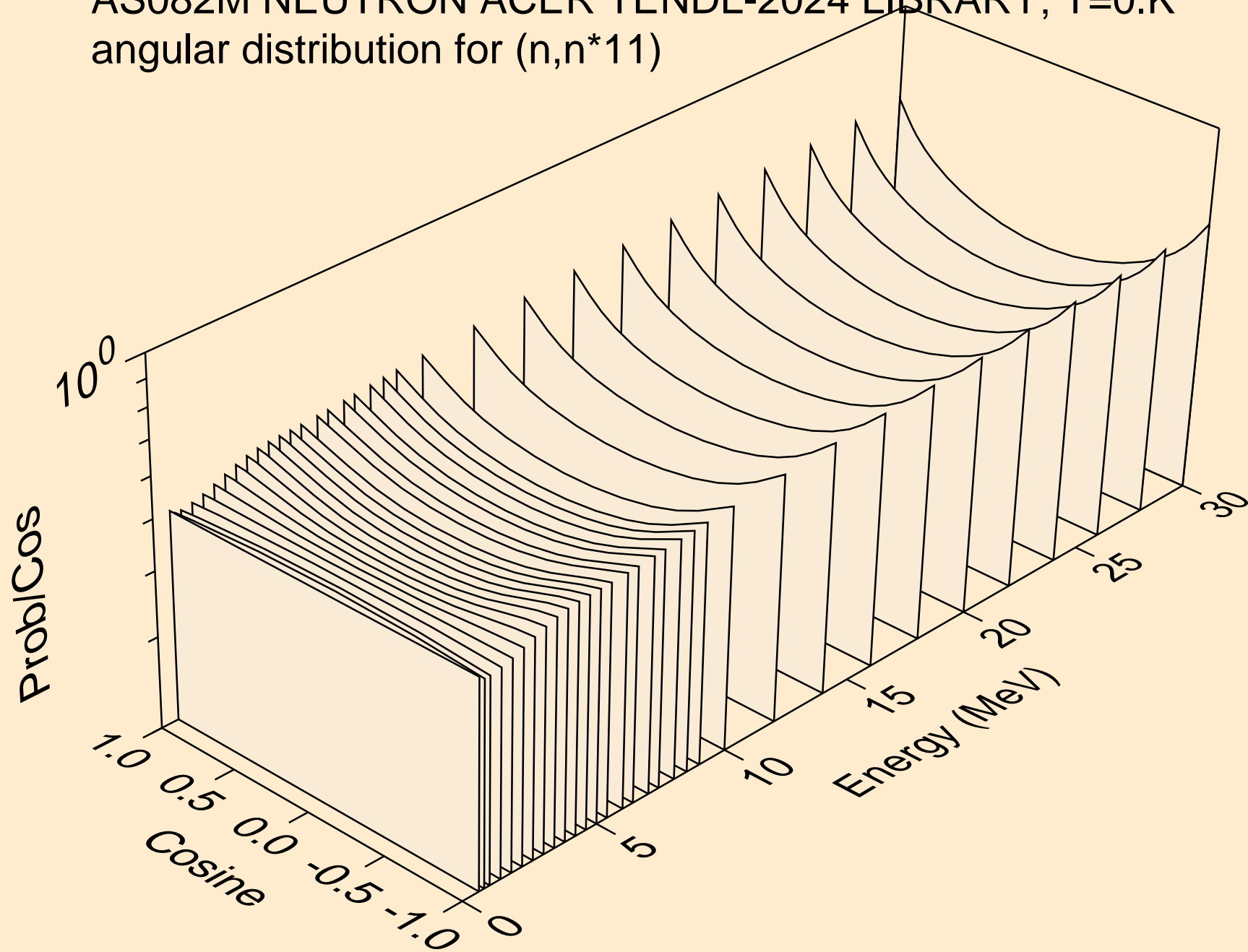
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angular distribution for (n,n\*9)



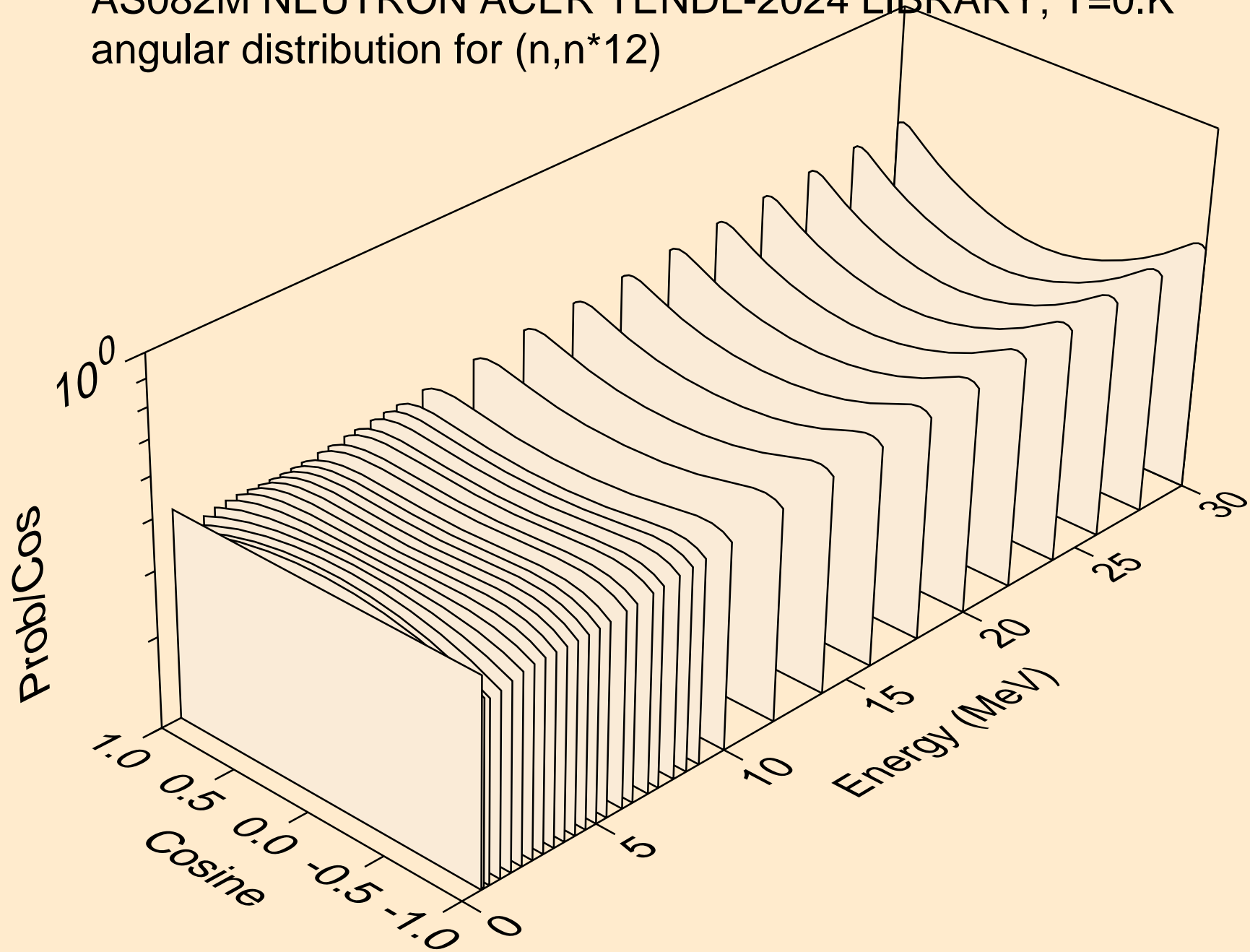
AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)

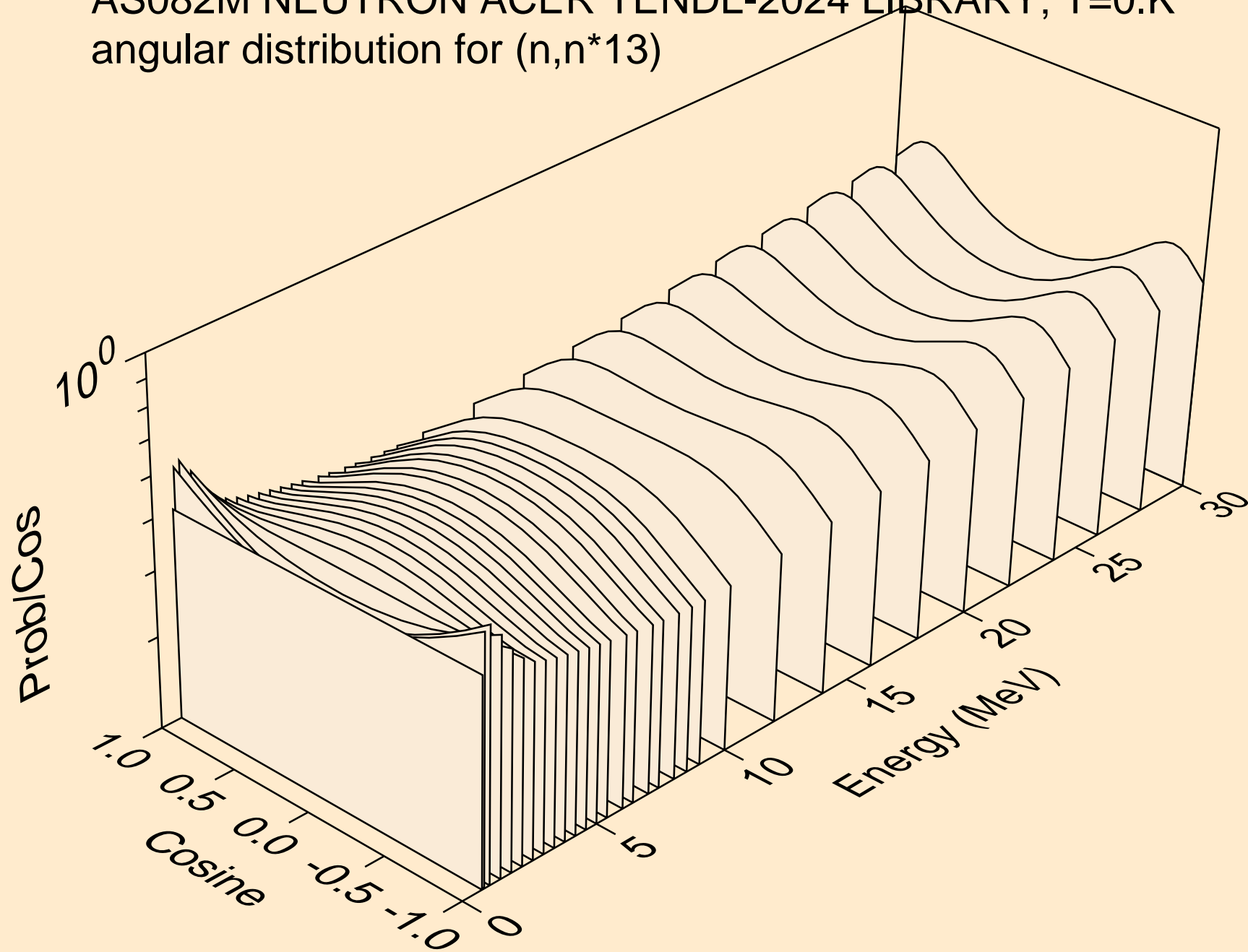


AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)

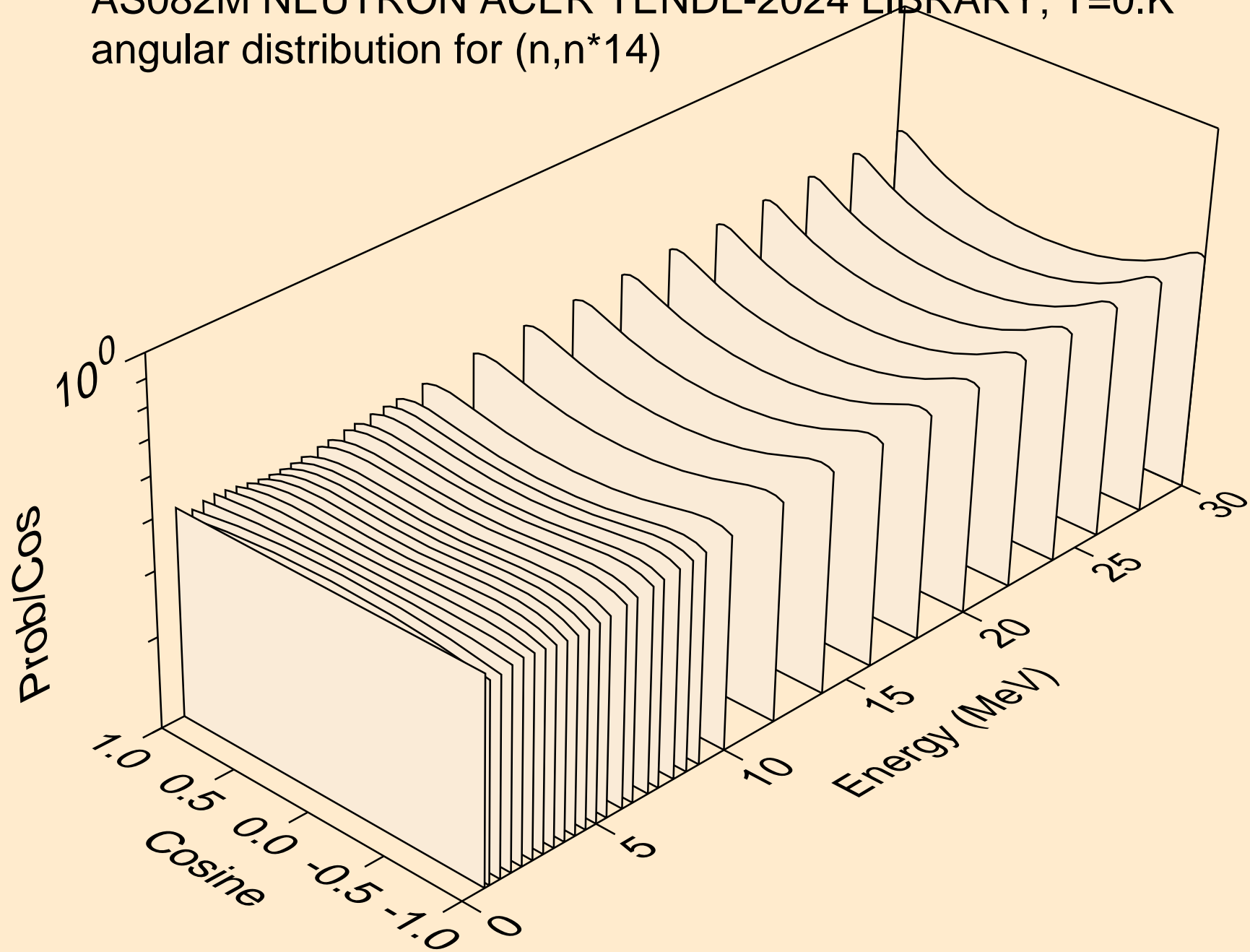




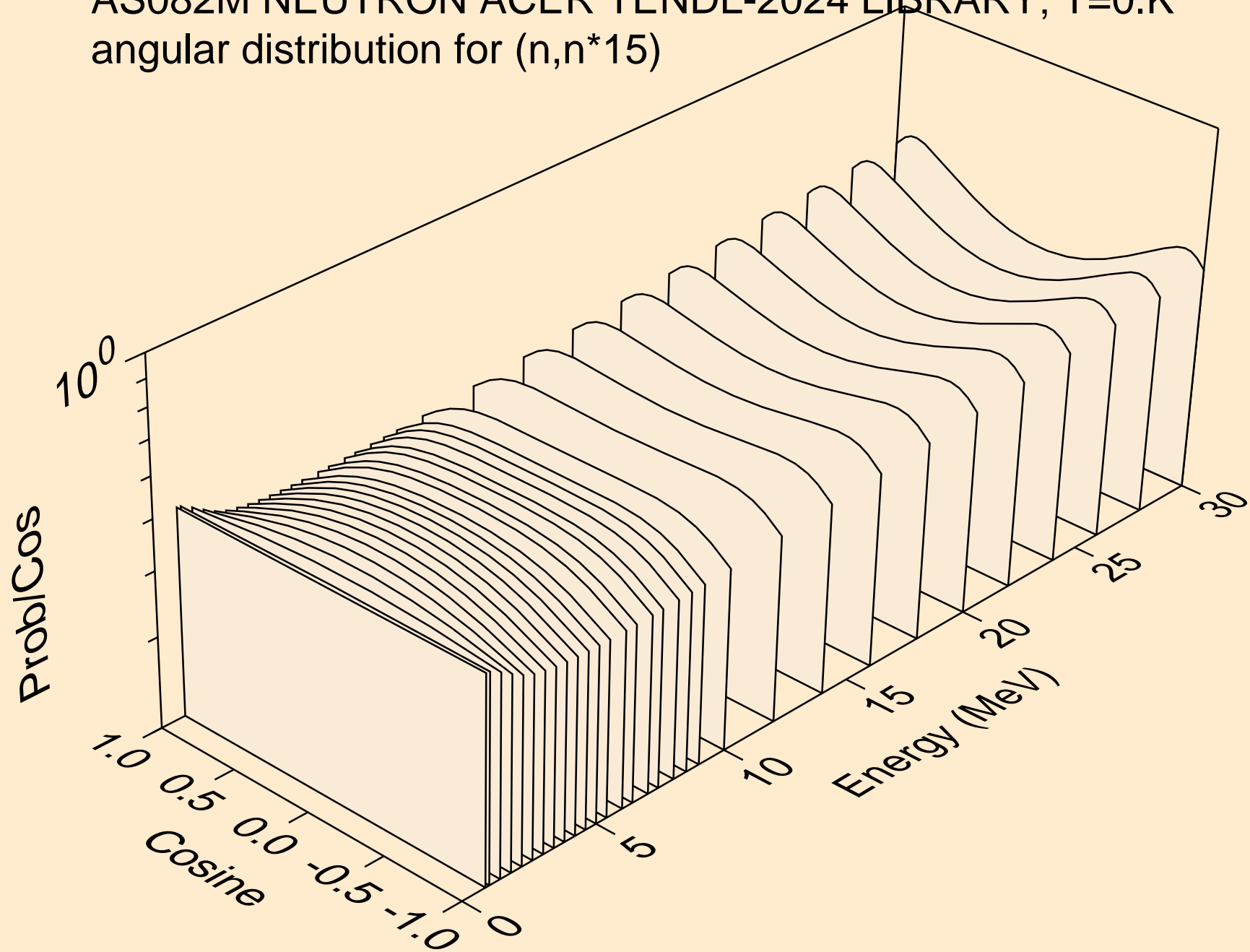
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angular distribution for (n,n\*13)



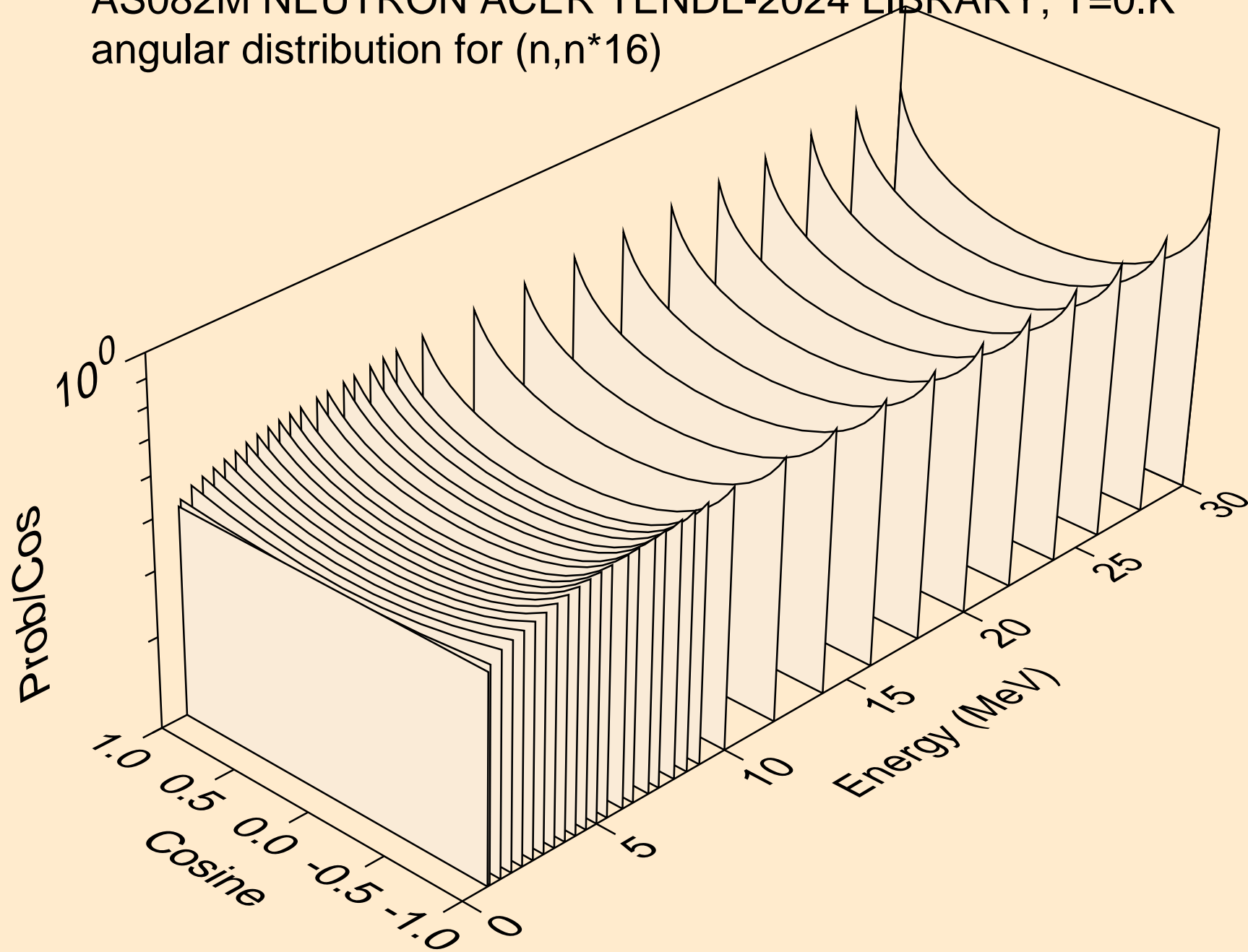
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angular distribution for (n,n\*14)



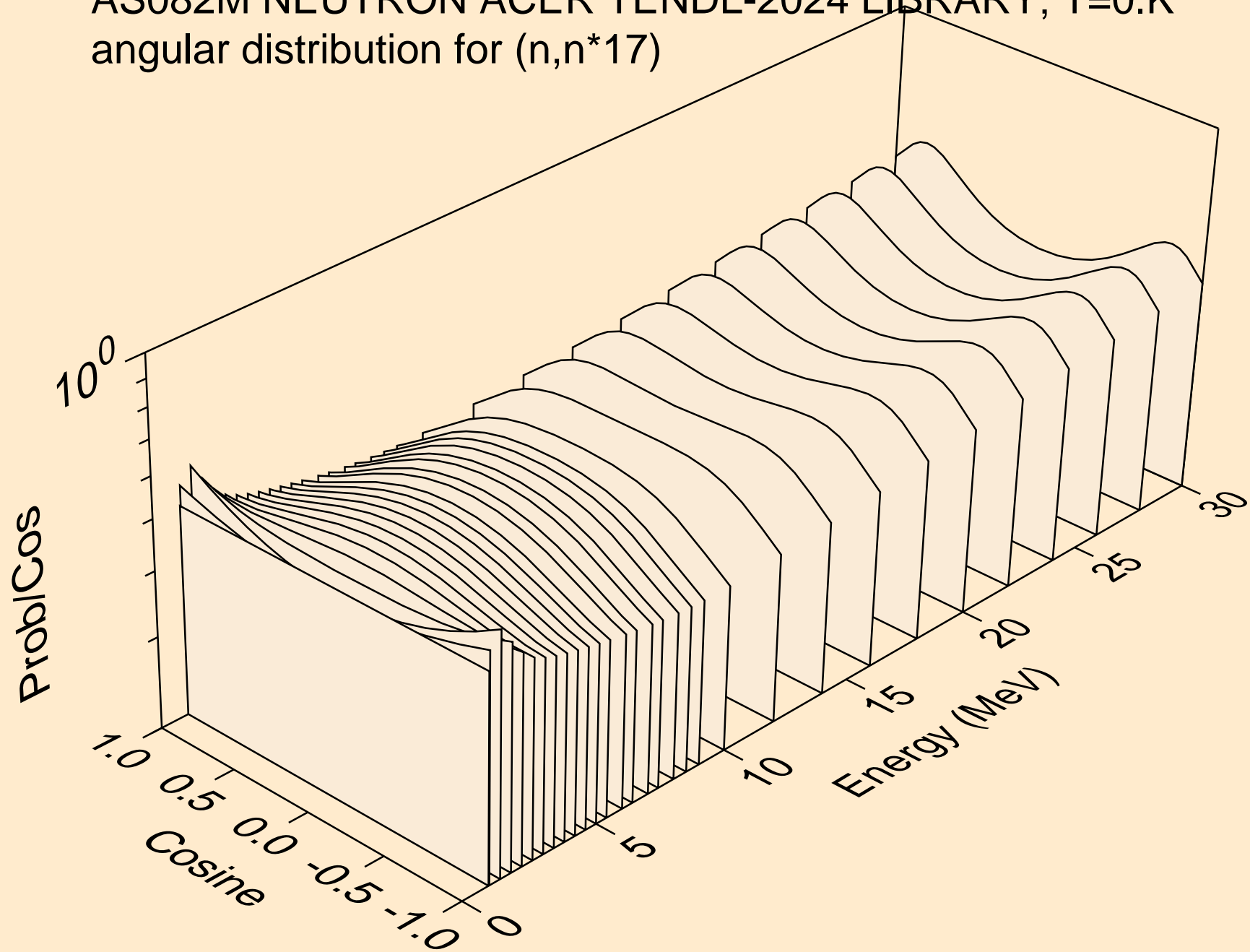
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angular distribution for (n,n\*15)



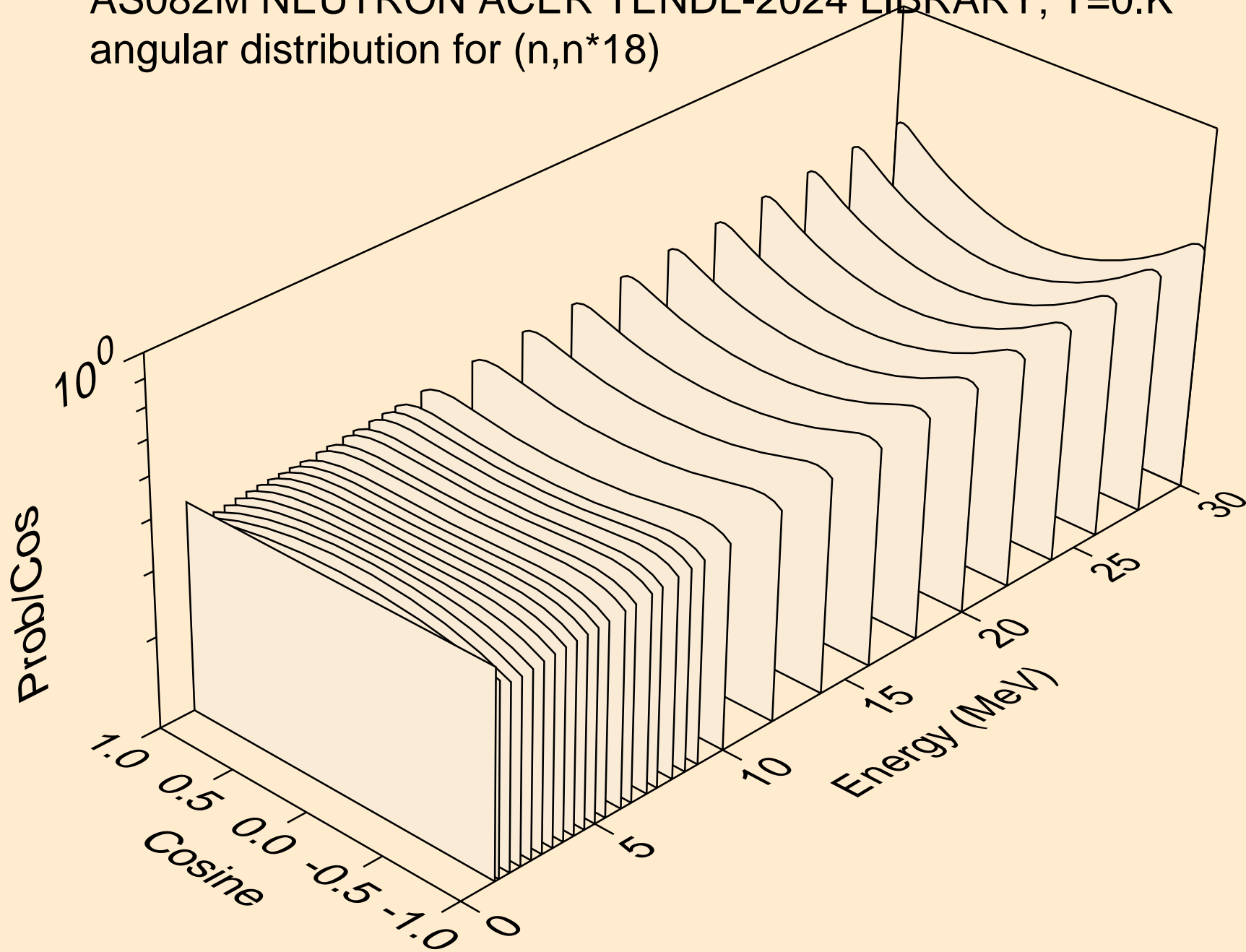
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angular distribution for (n,n\*16)



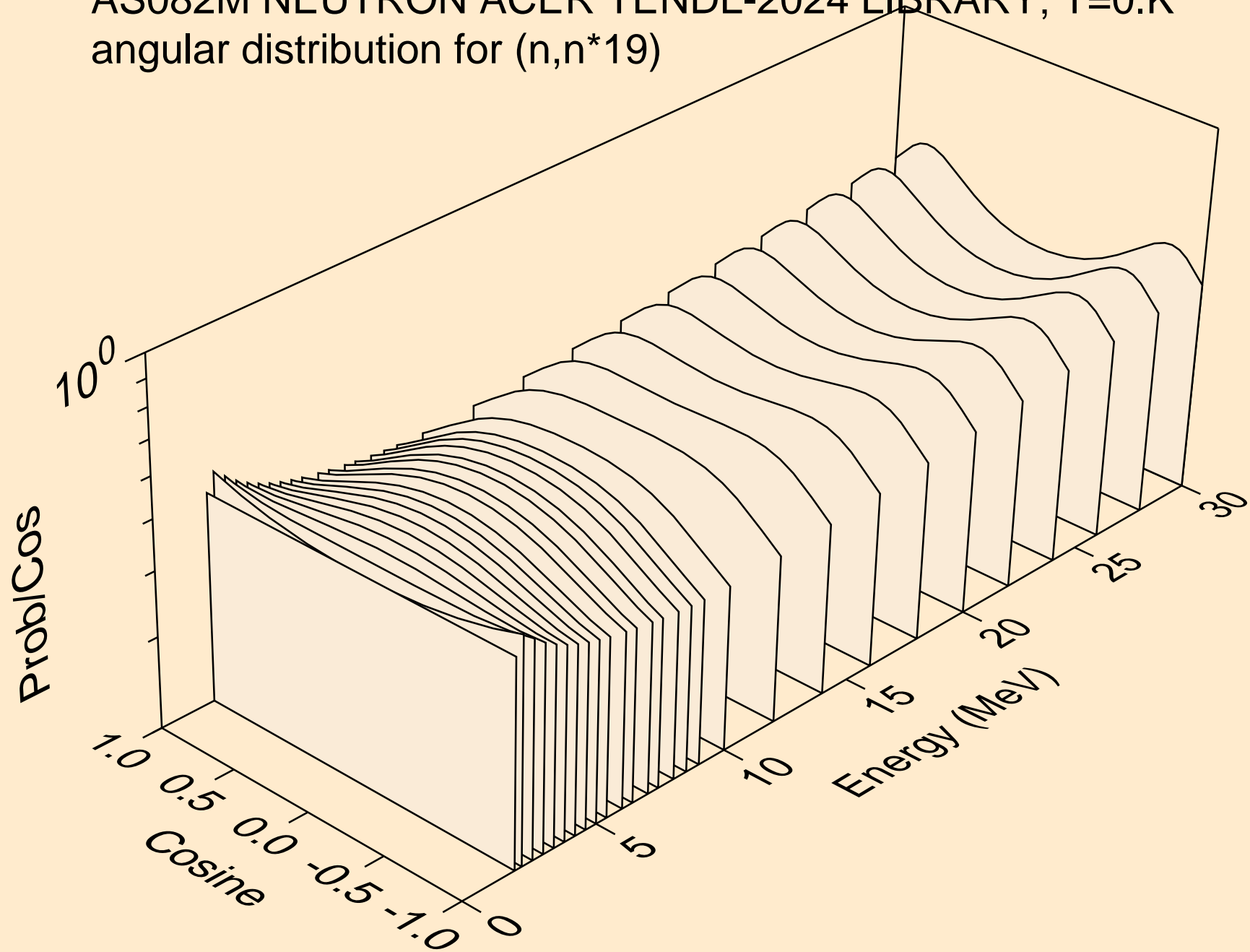
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angular distribution for (n,n\*17)



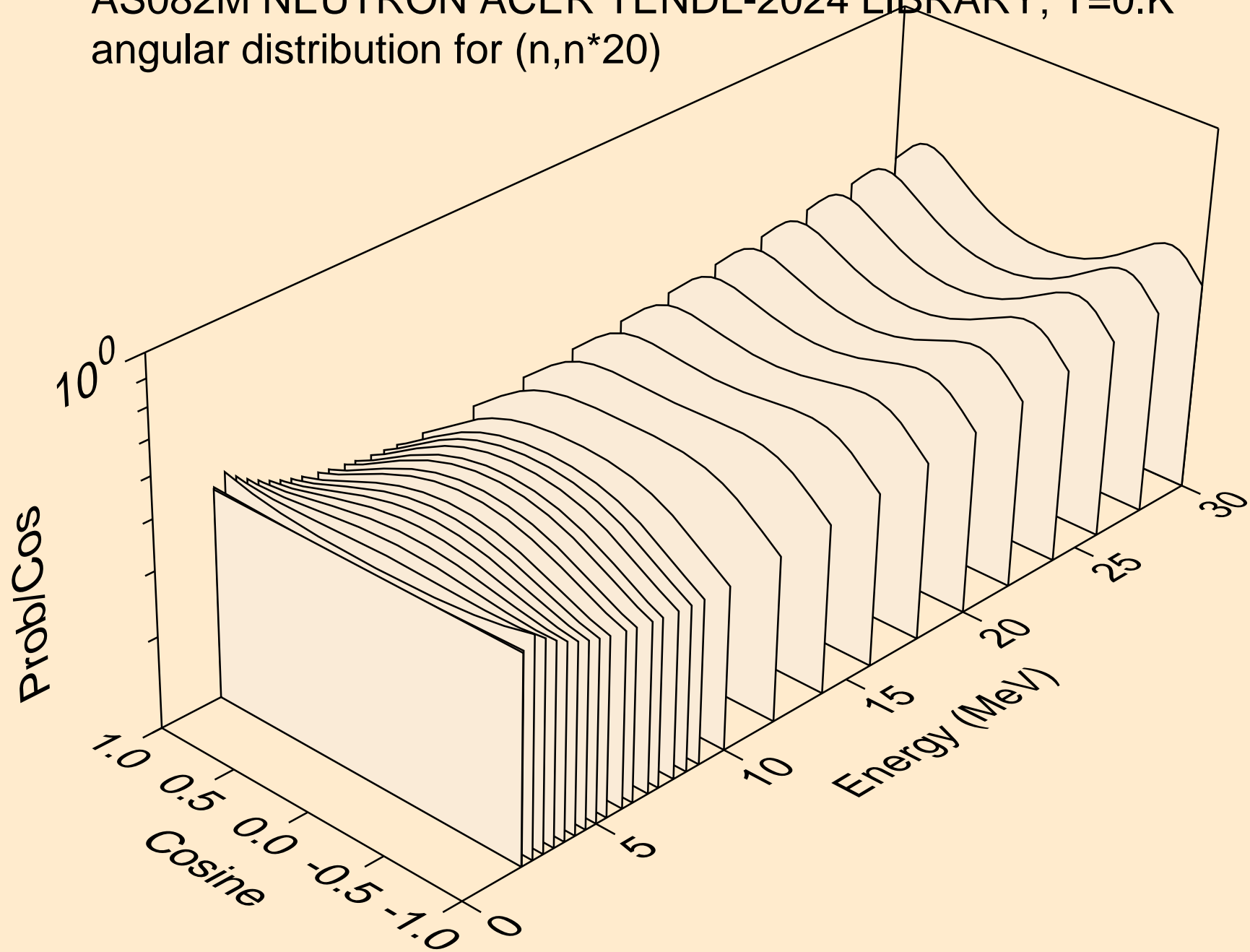
AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*19)

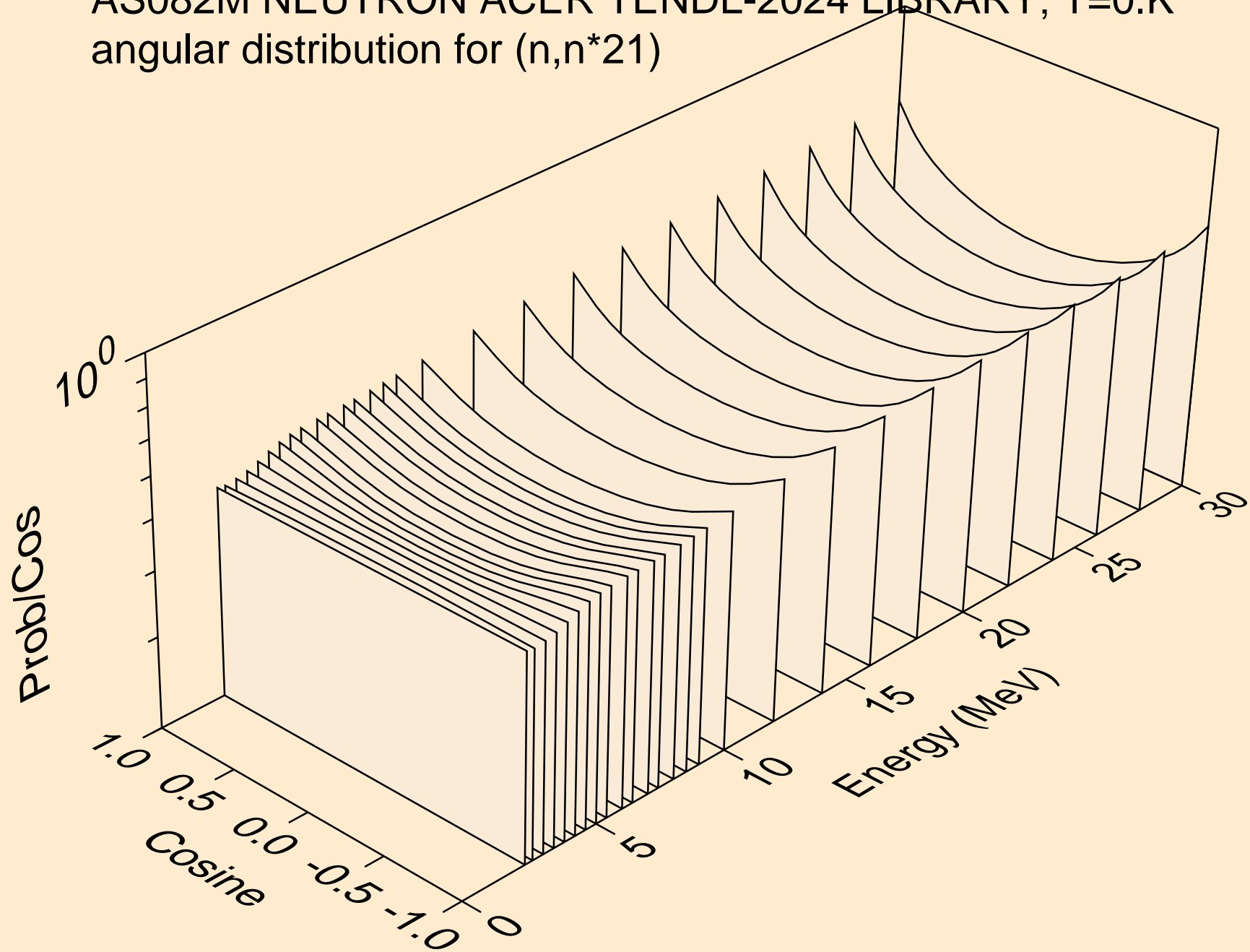


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angular distribution for (n,n\*20)

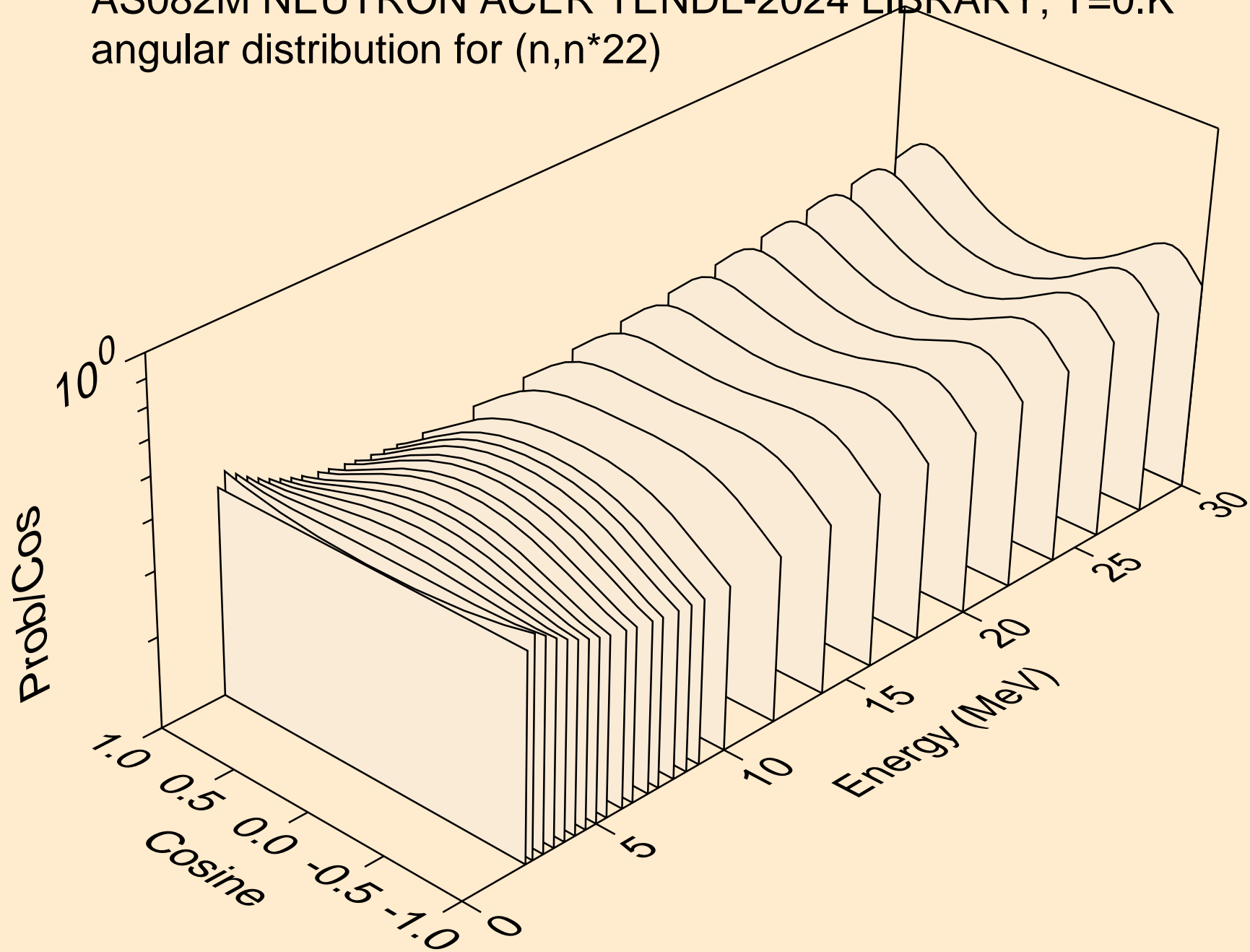




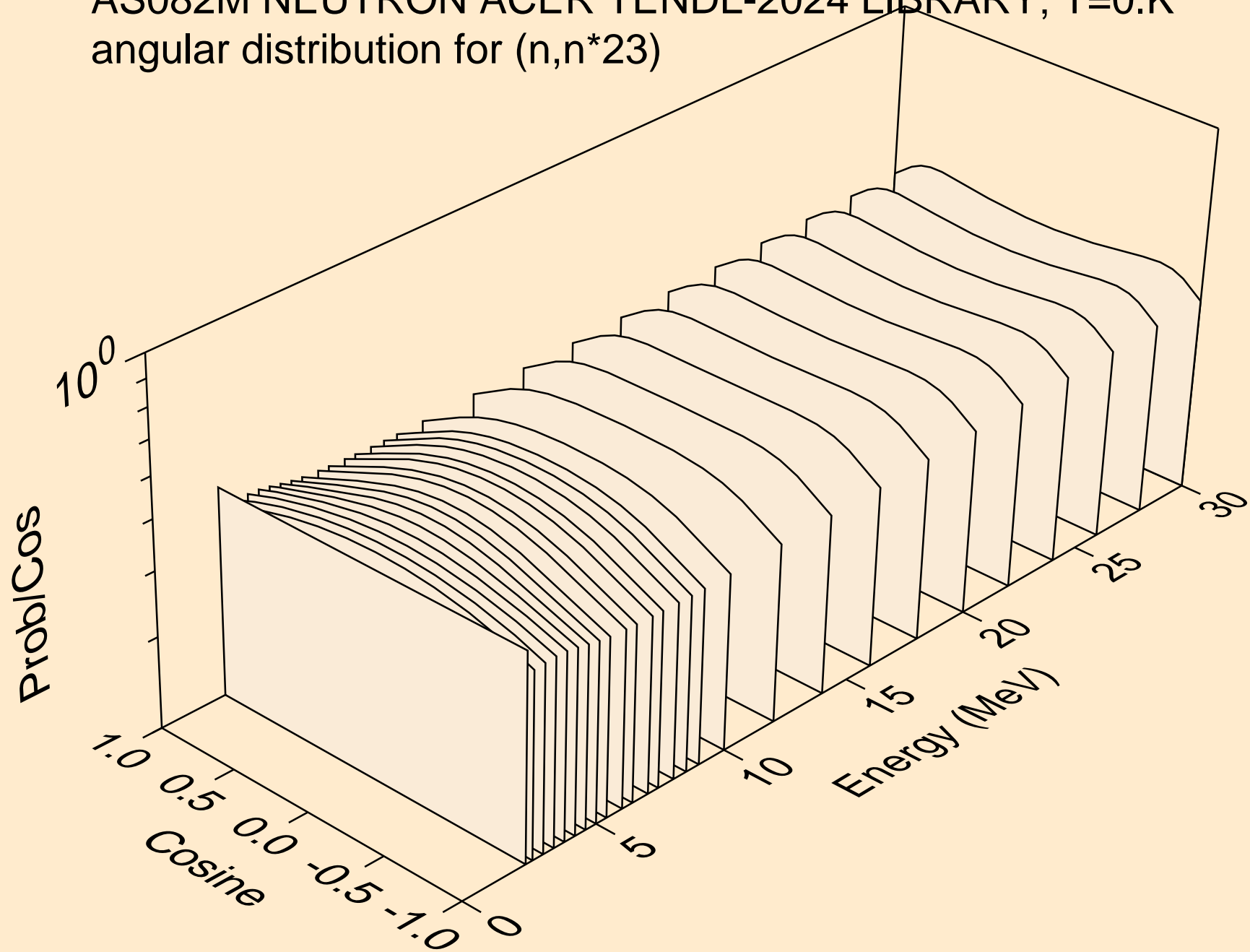
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angular distribution for (n,n\*21)



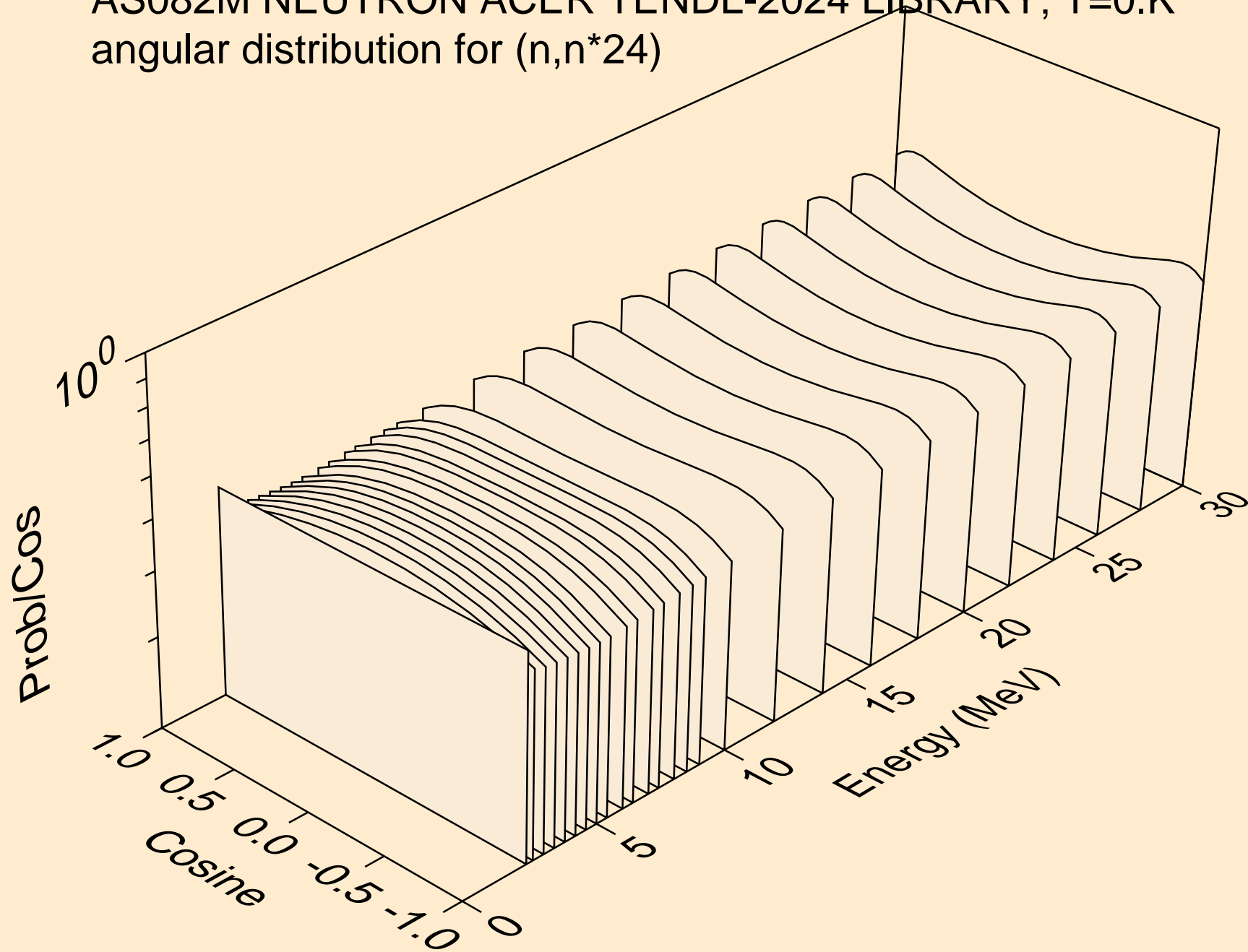
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angular distribution for (n,n\*22)



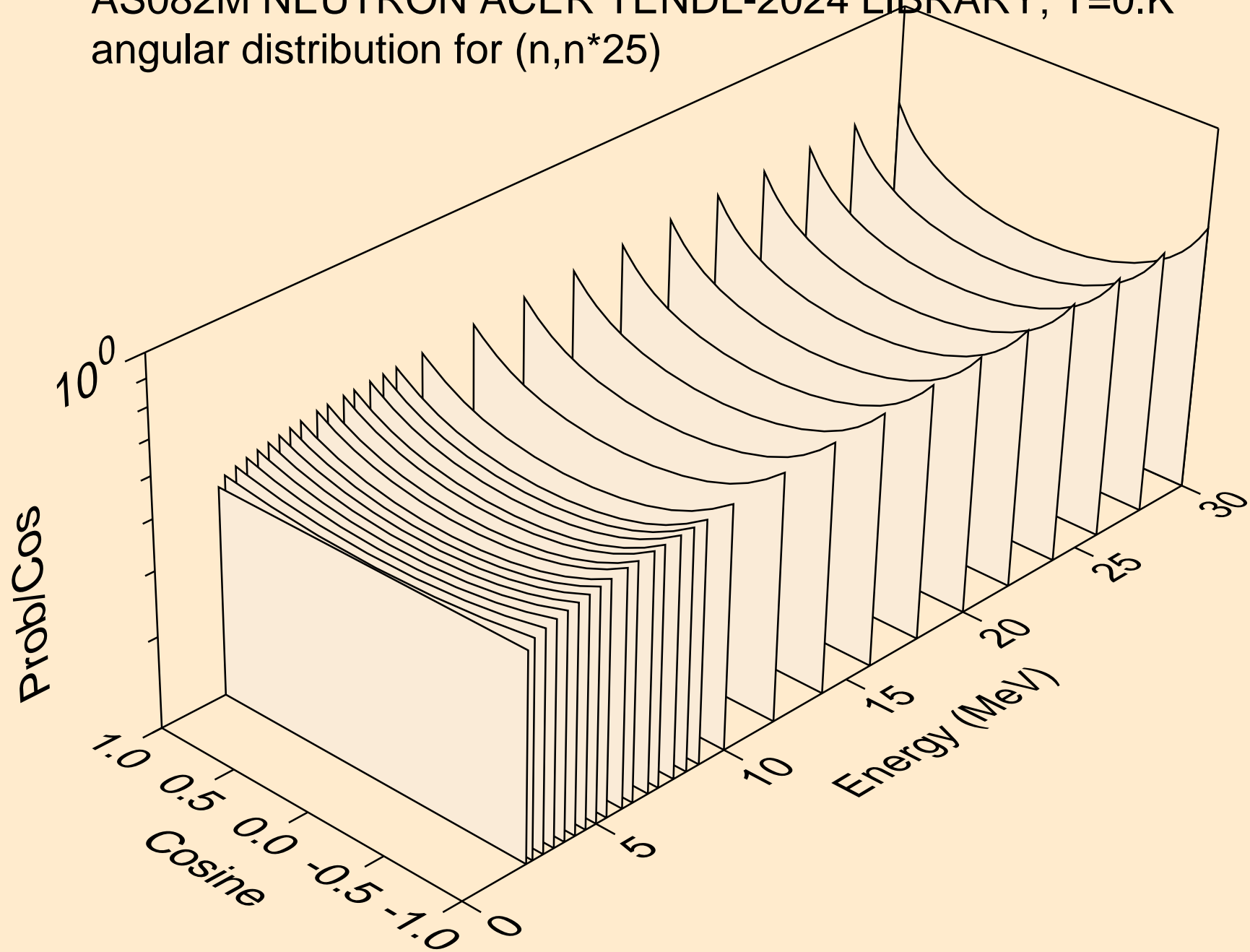
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angular distribution for (n,n\*23)



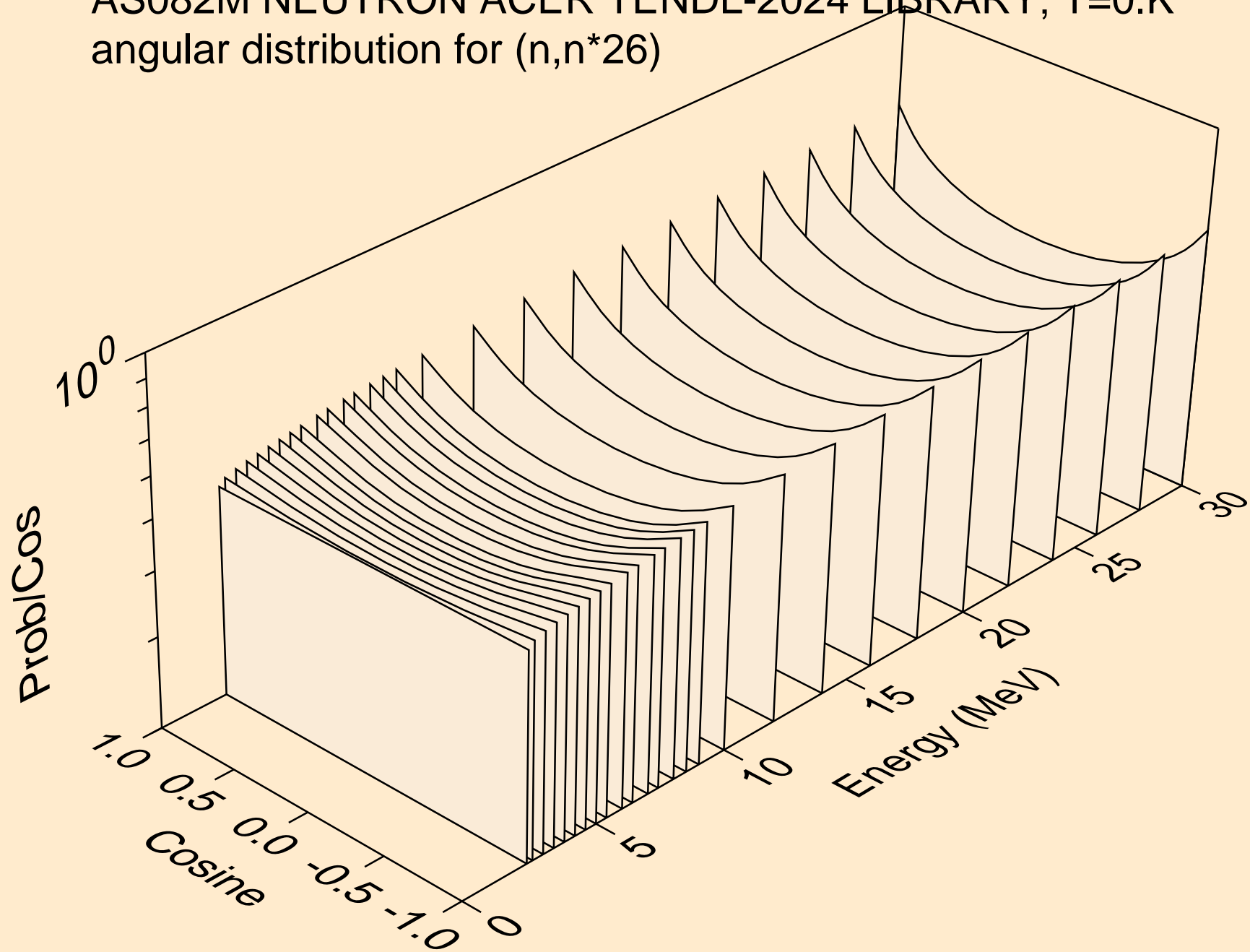
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angular distribution for (n,n\*24)



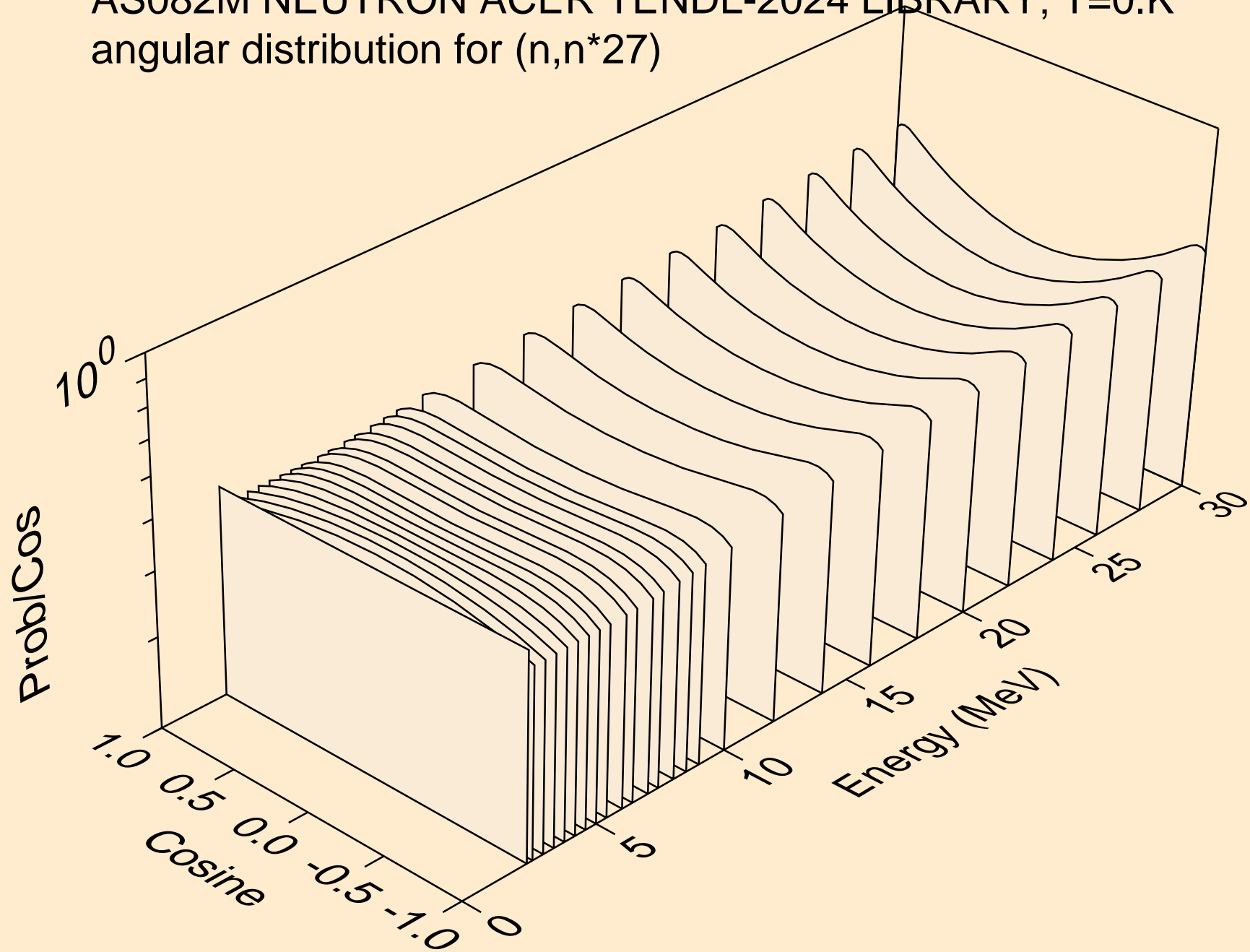
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angular distribution for (n,n\*25)



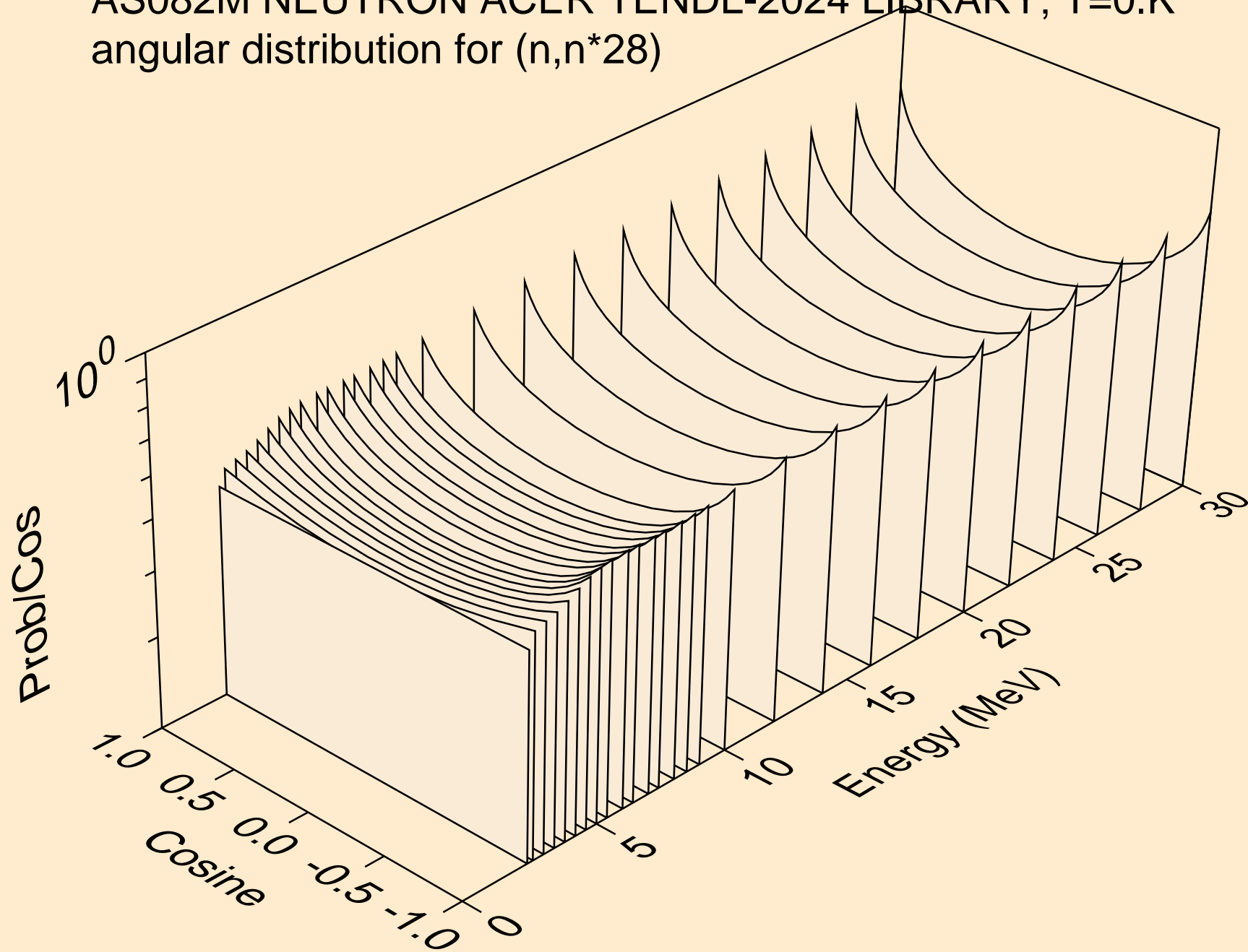
AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*27)

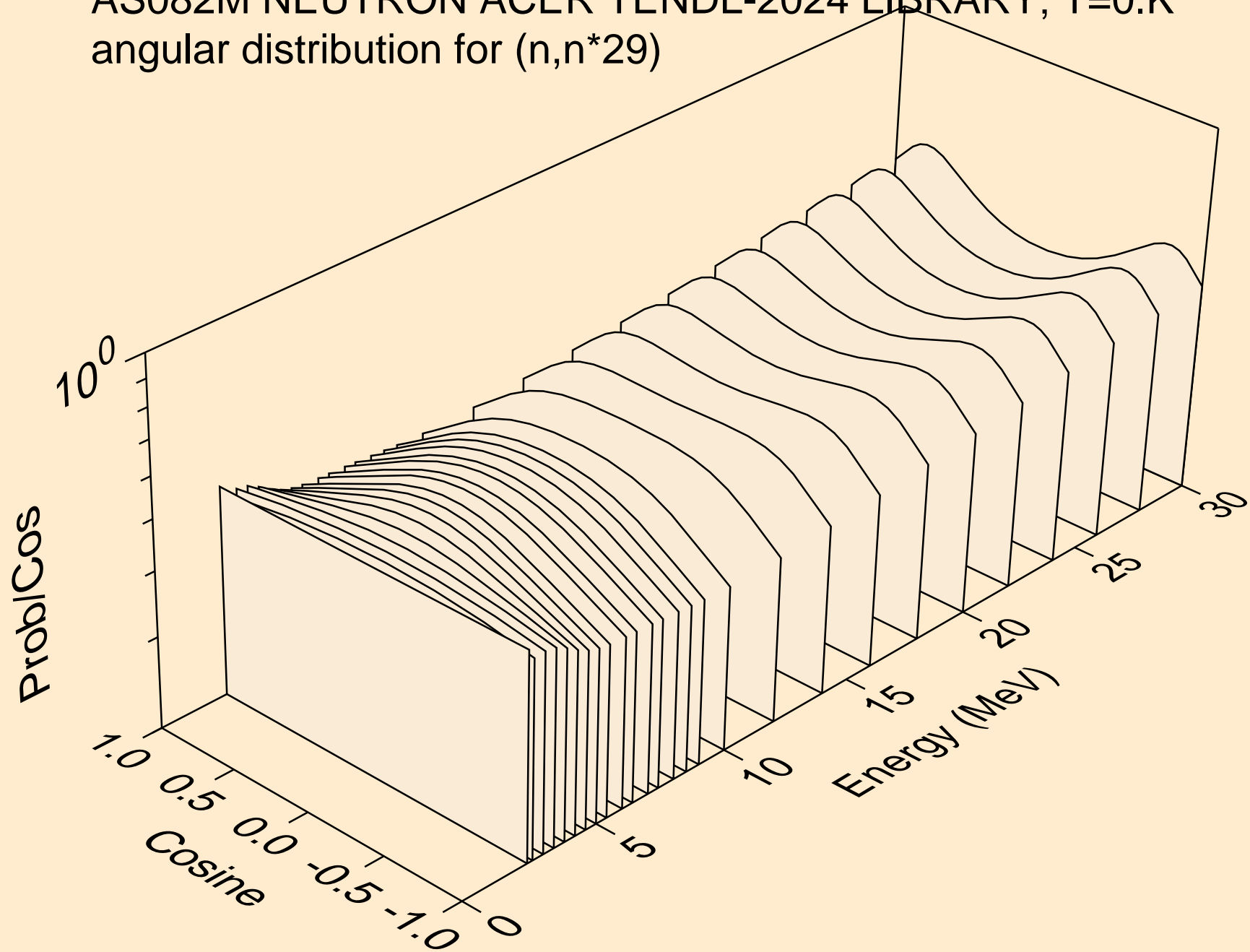


AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*28)

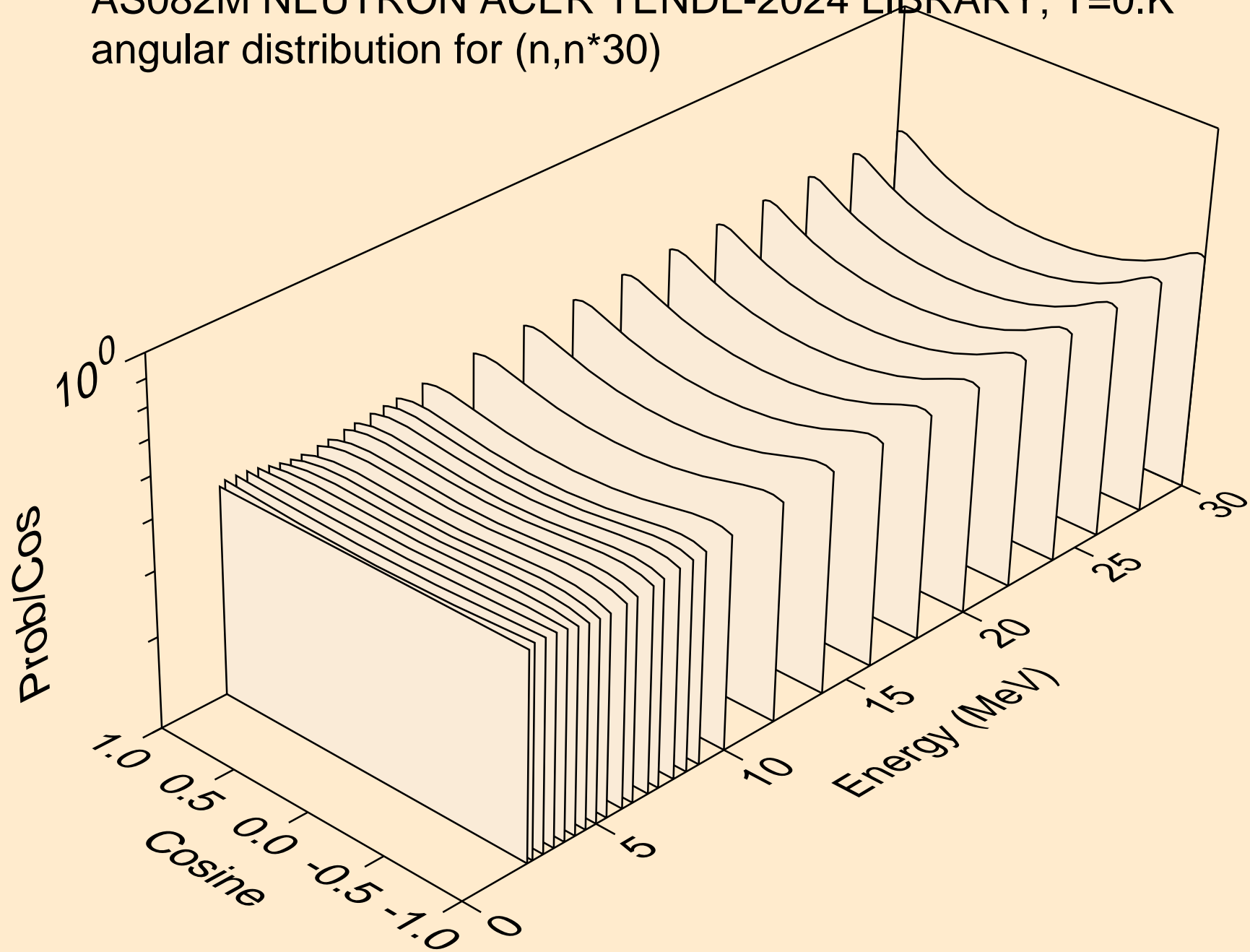




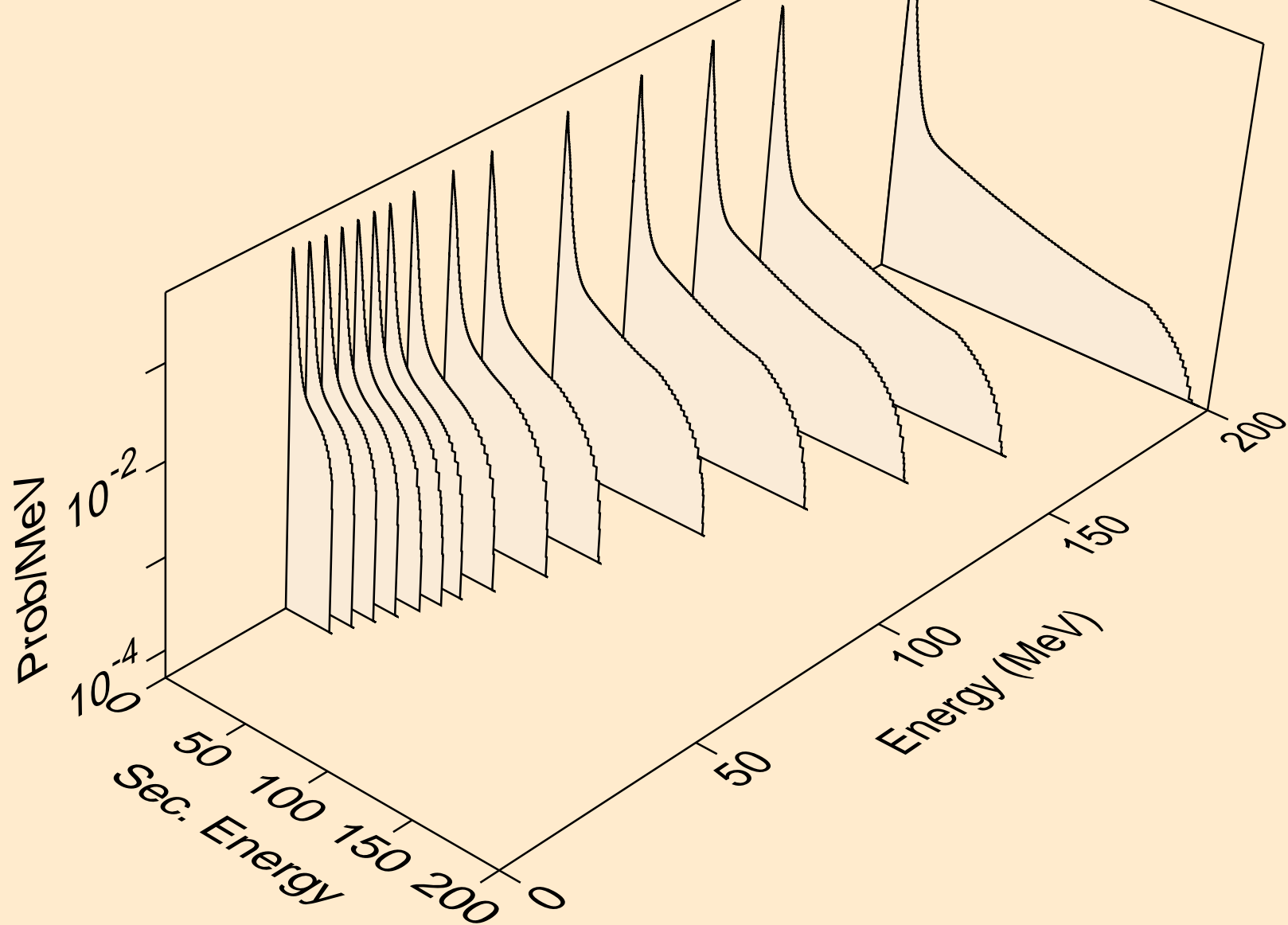
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angular distribution for (n,n\*29)



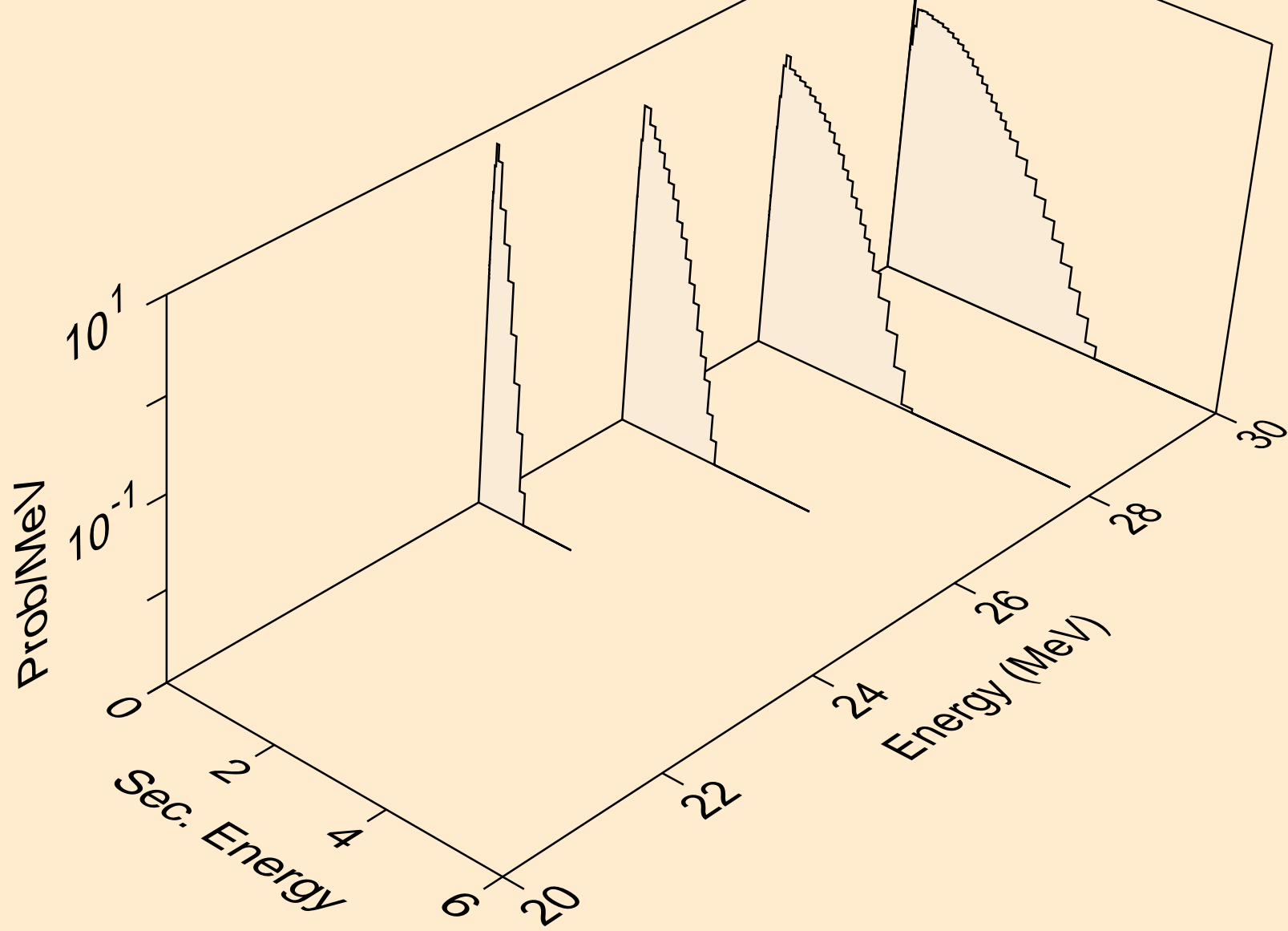
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angular distribution for (n,n\*30)



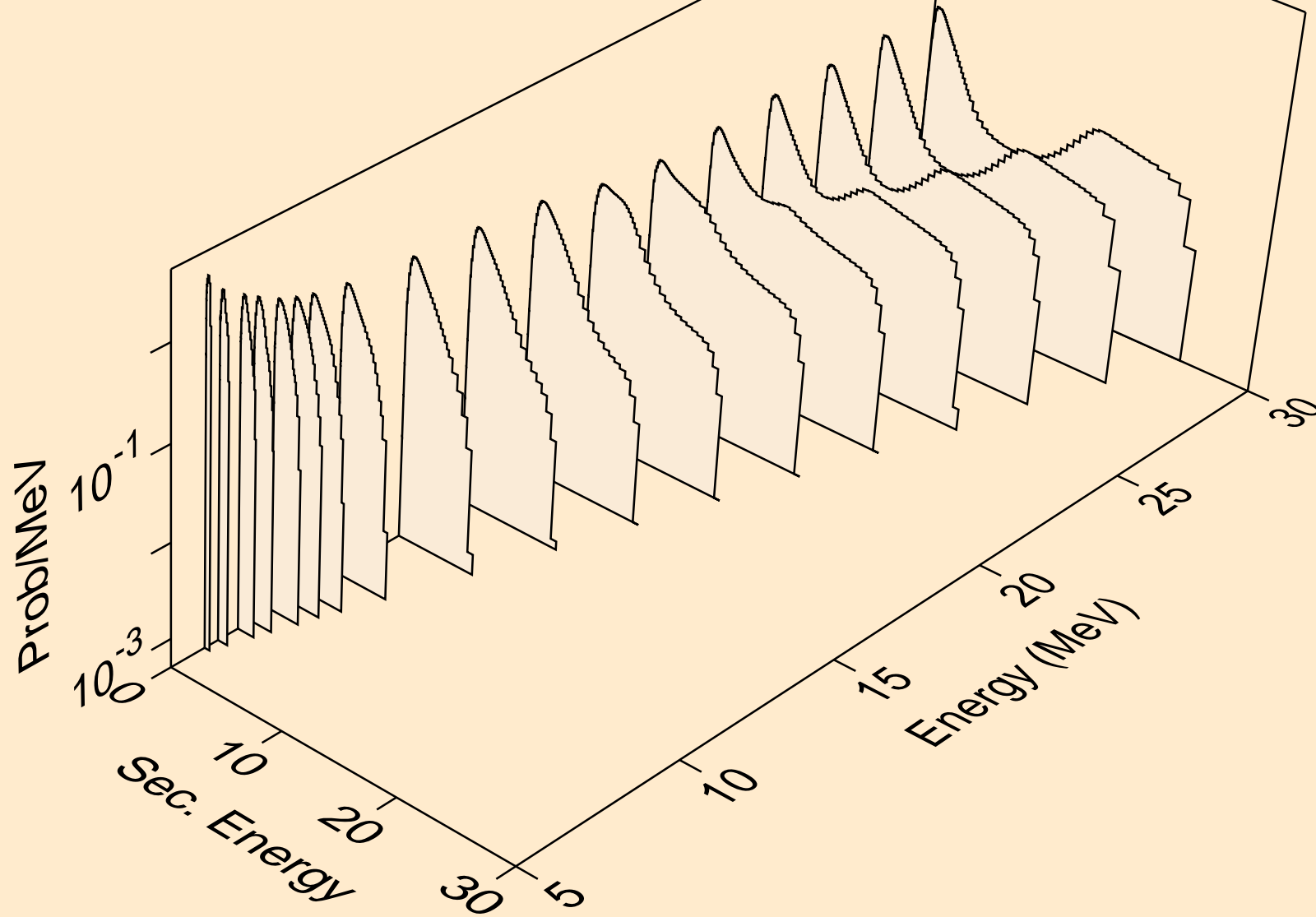
AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



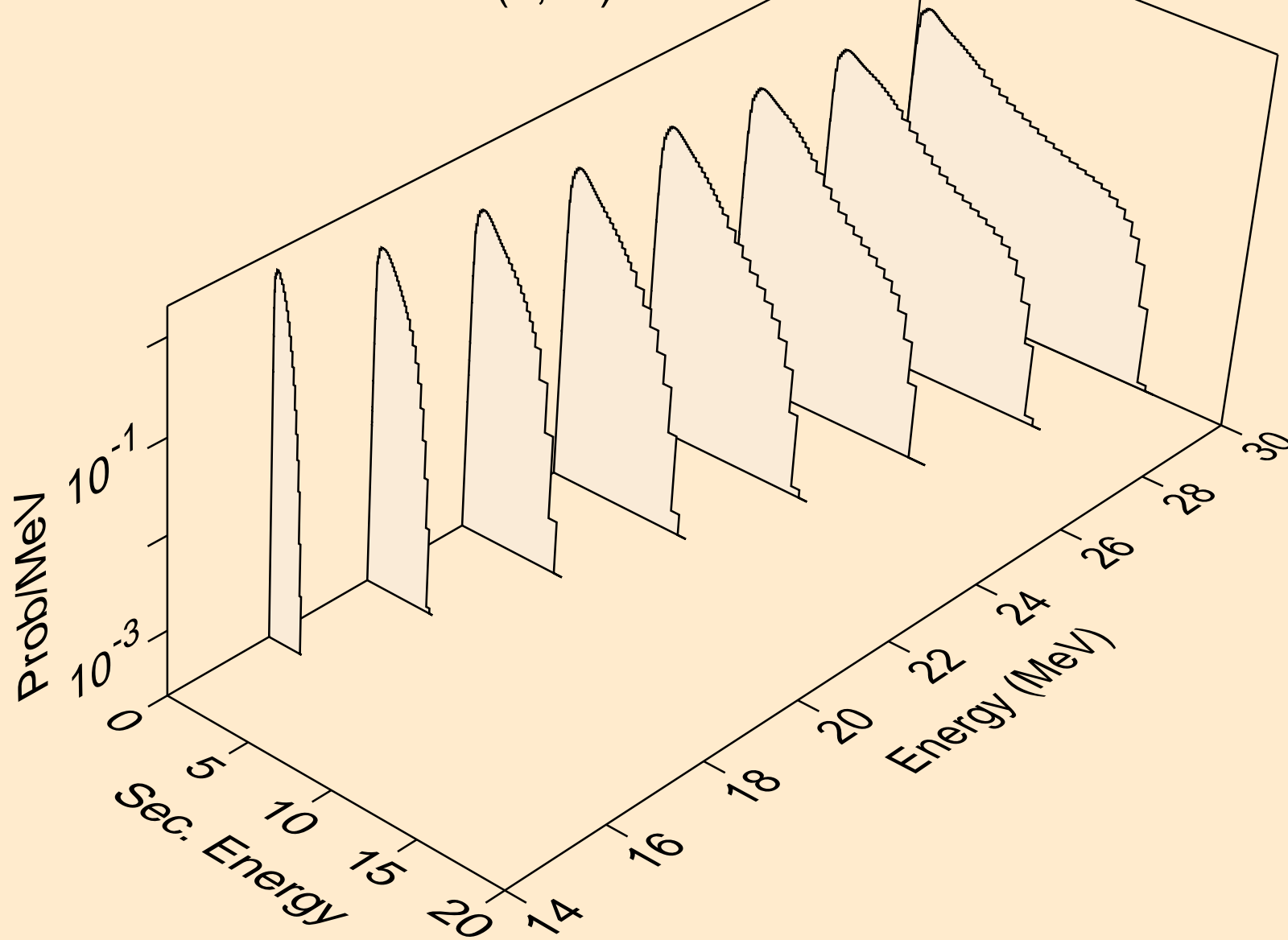
AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



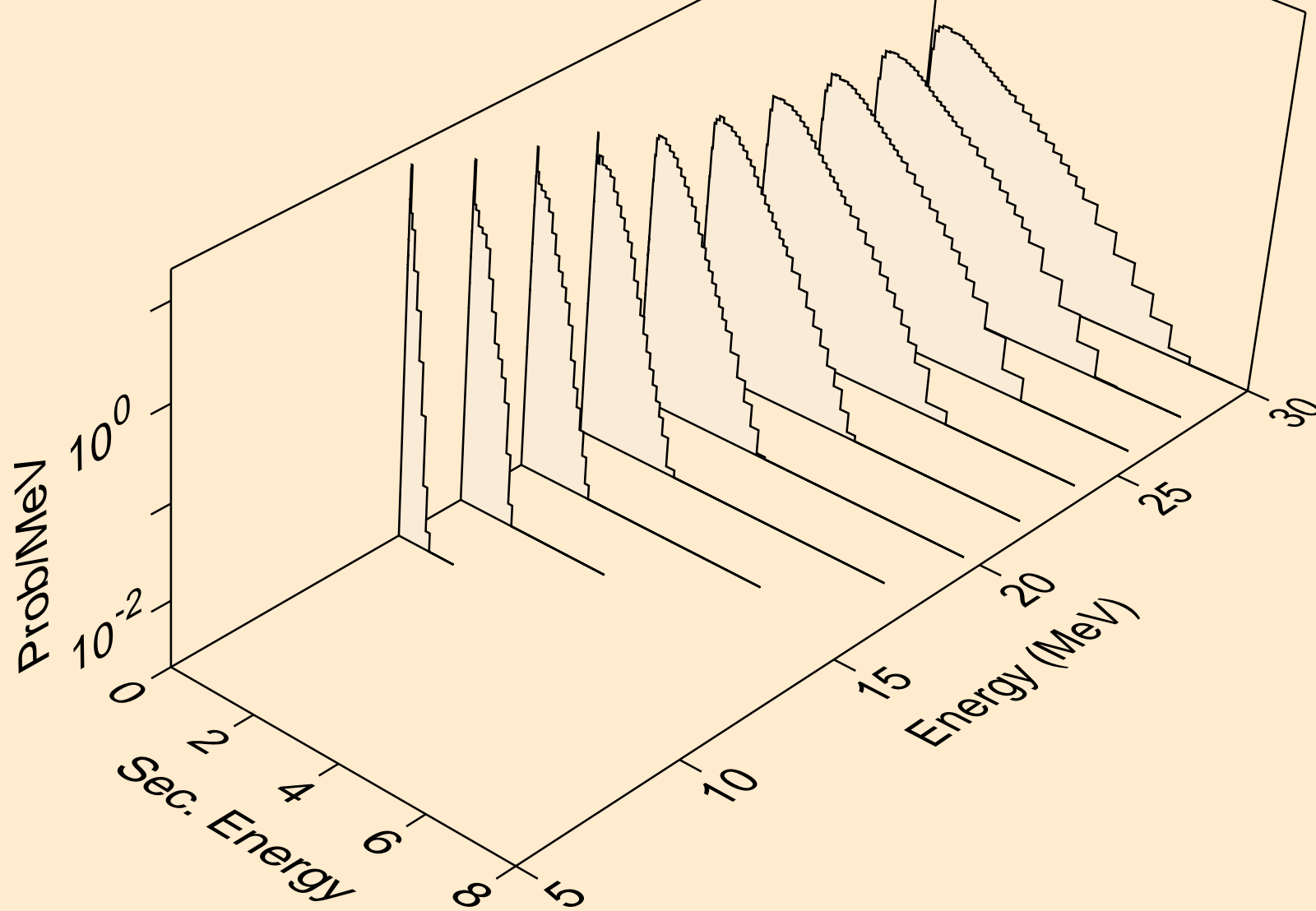
AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



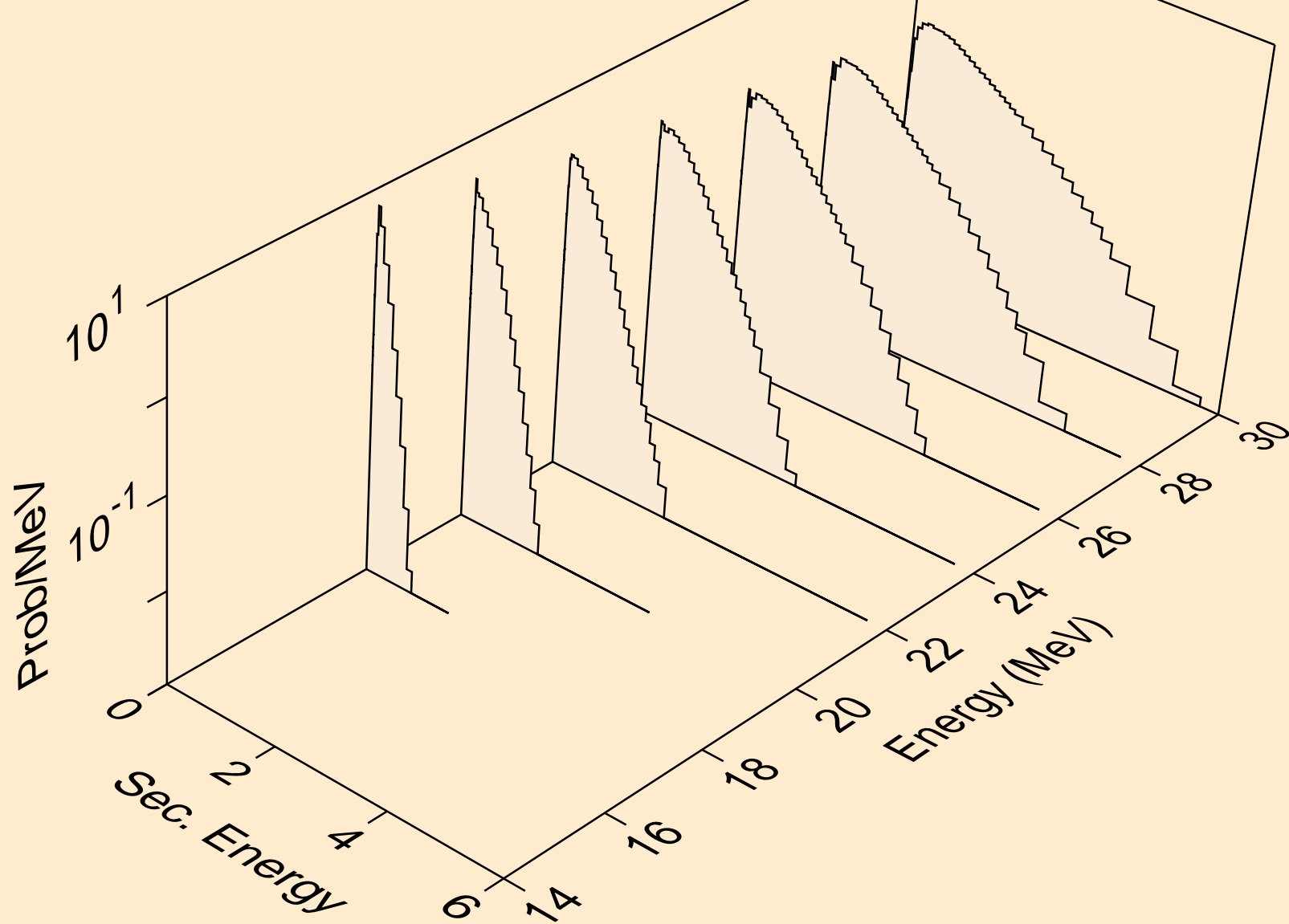
AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

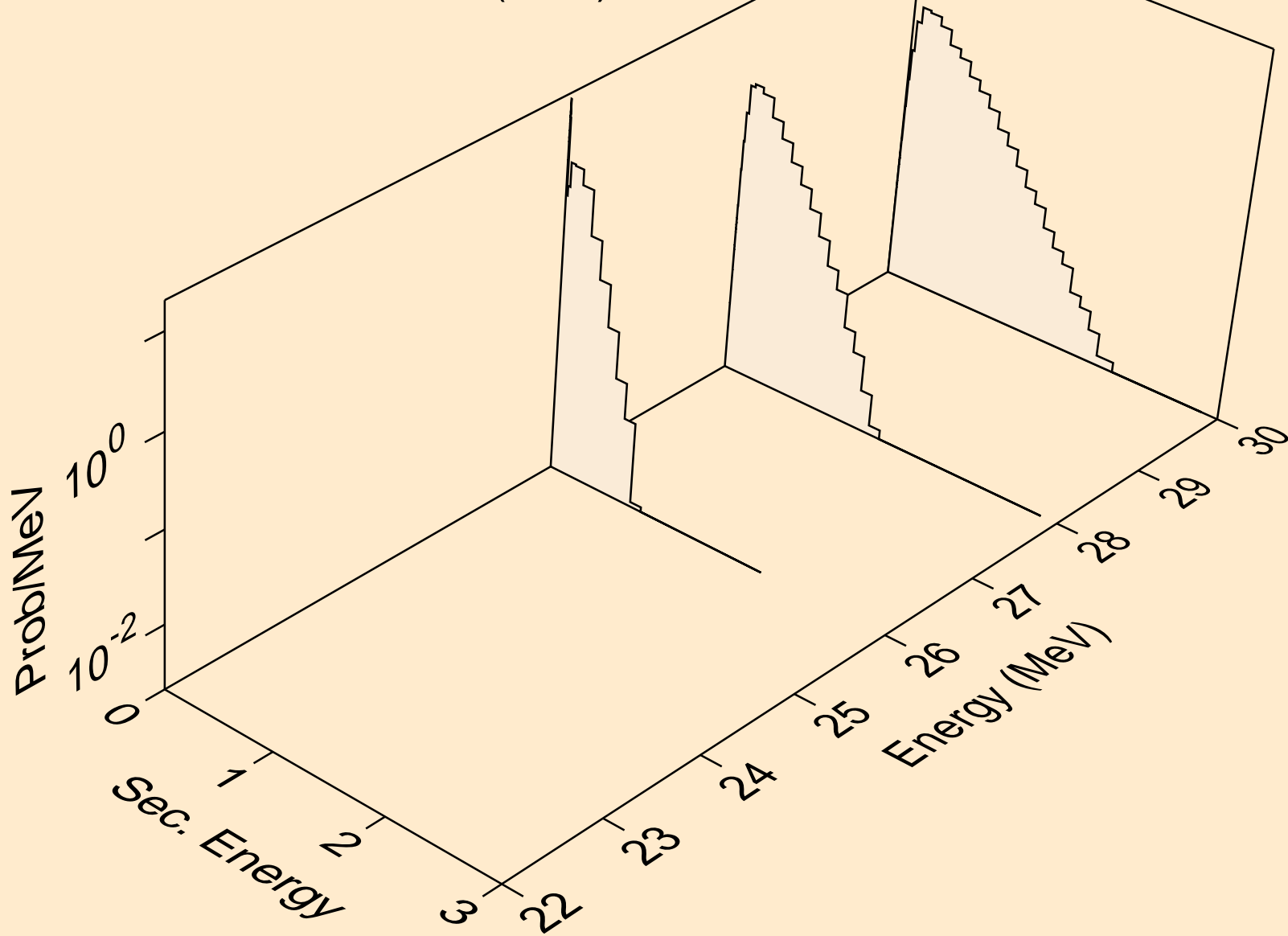


AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a

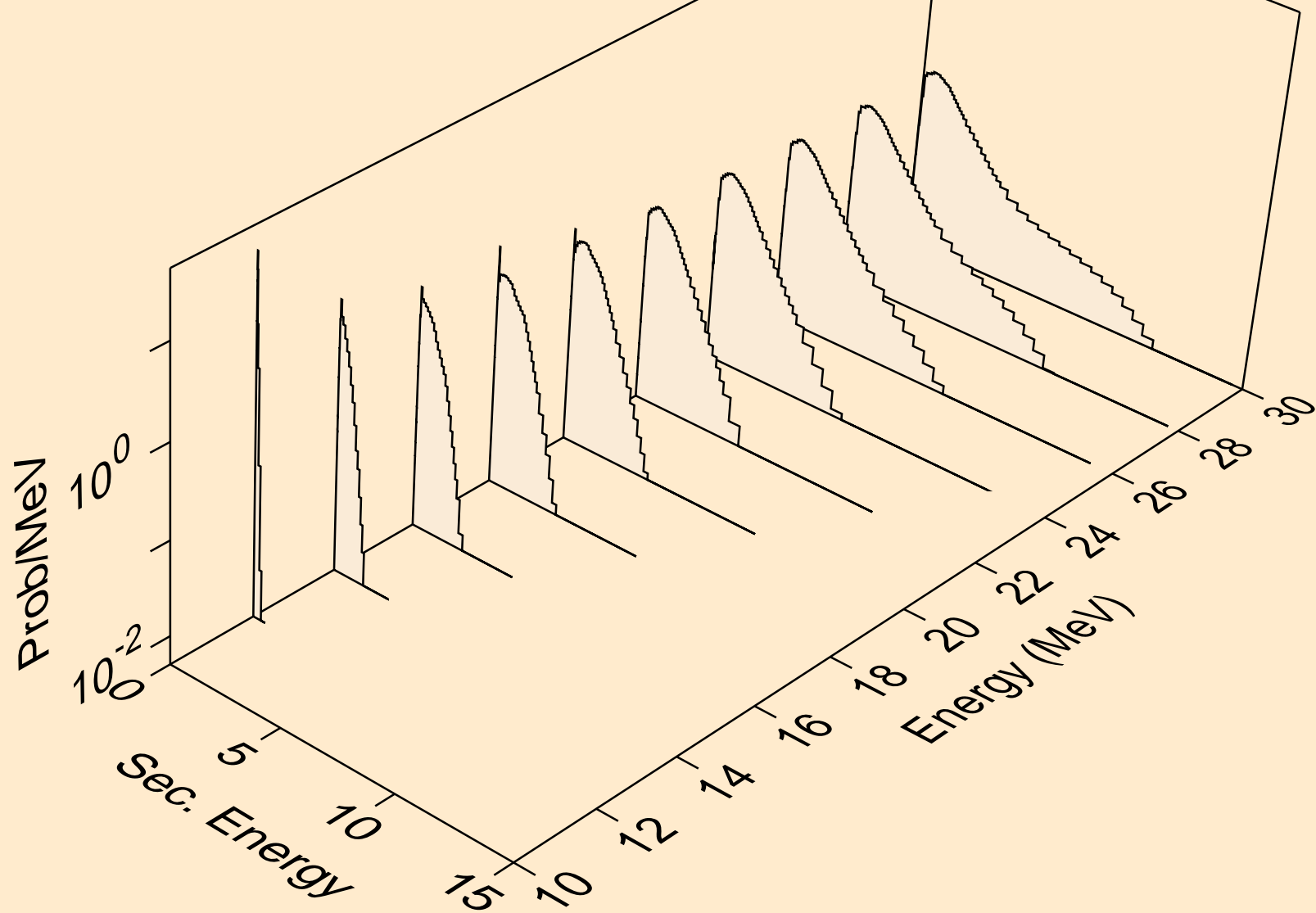




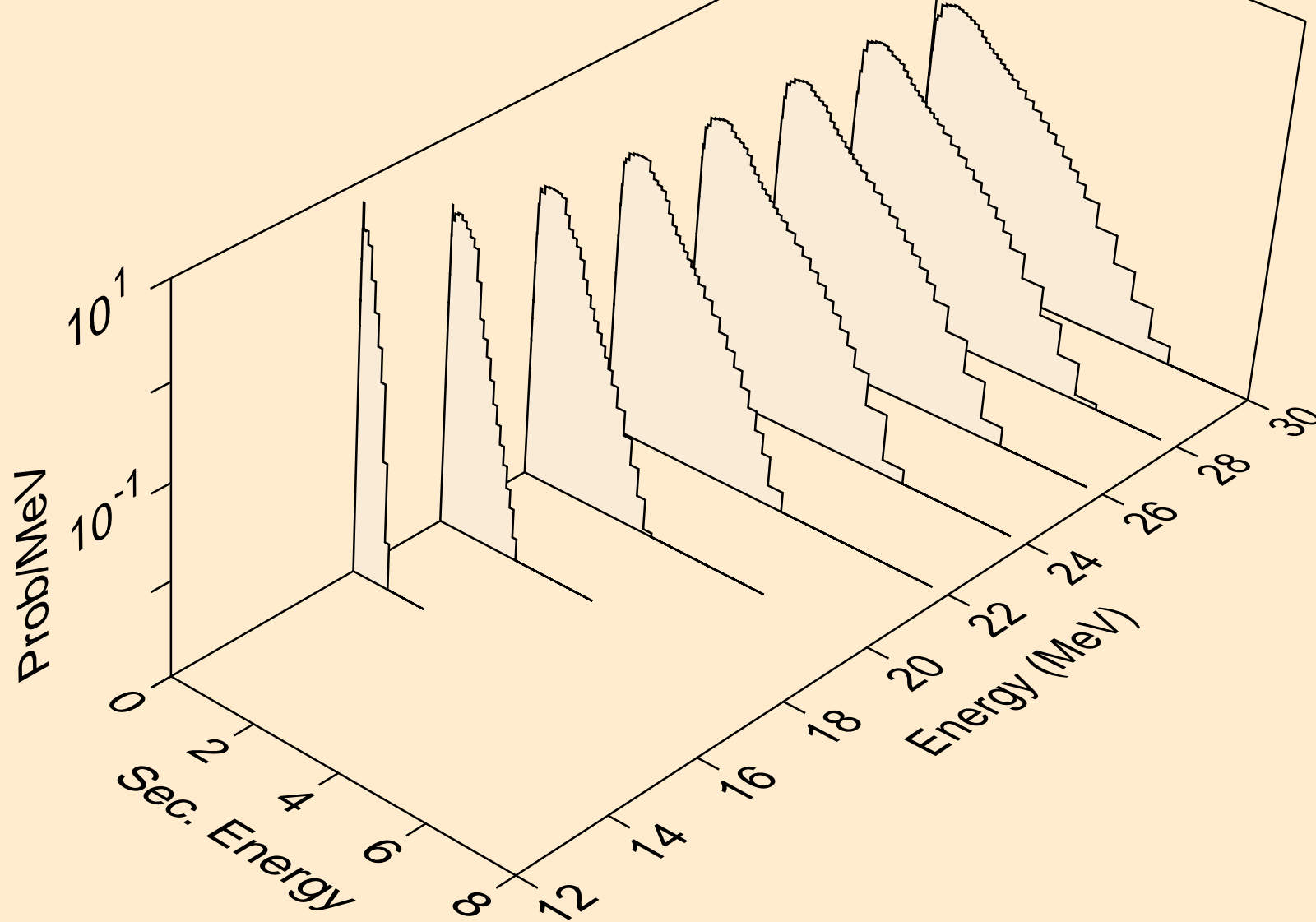
AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



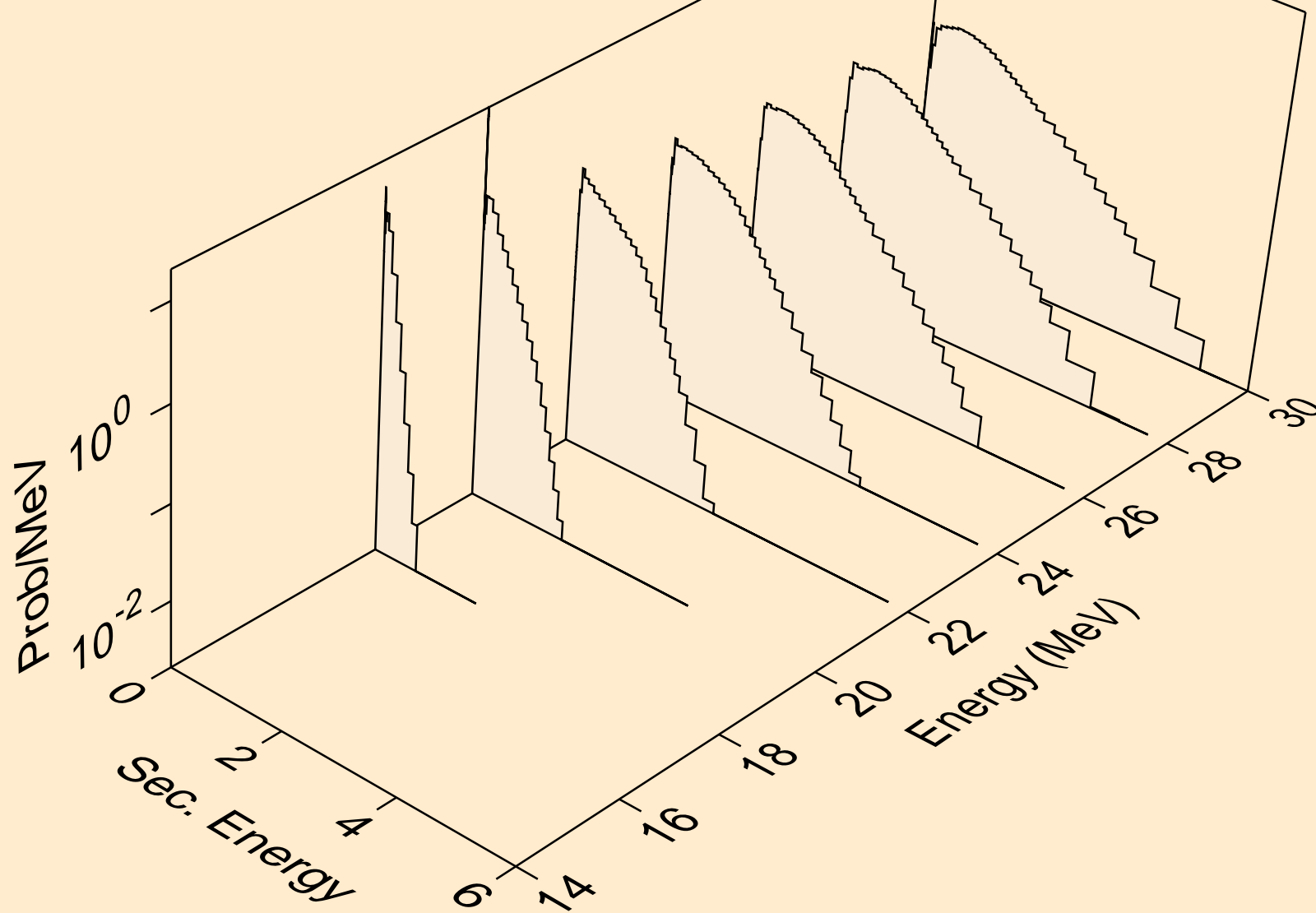
AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



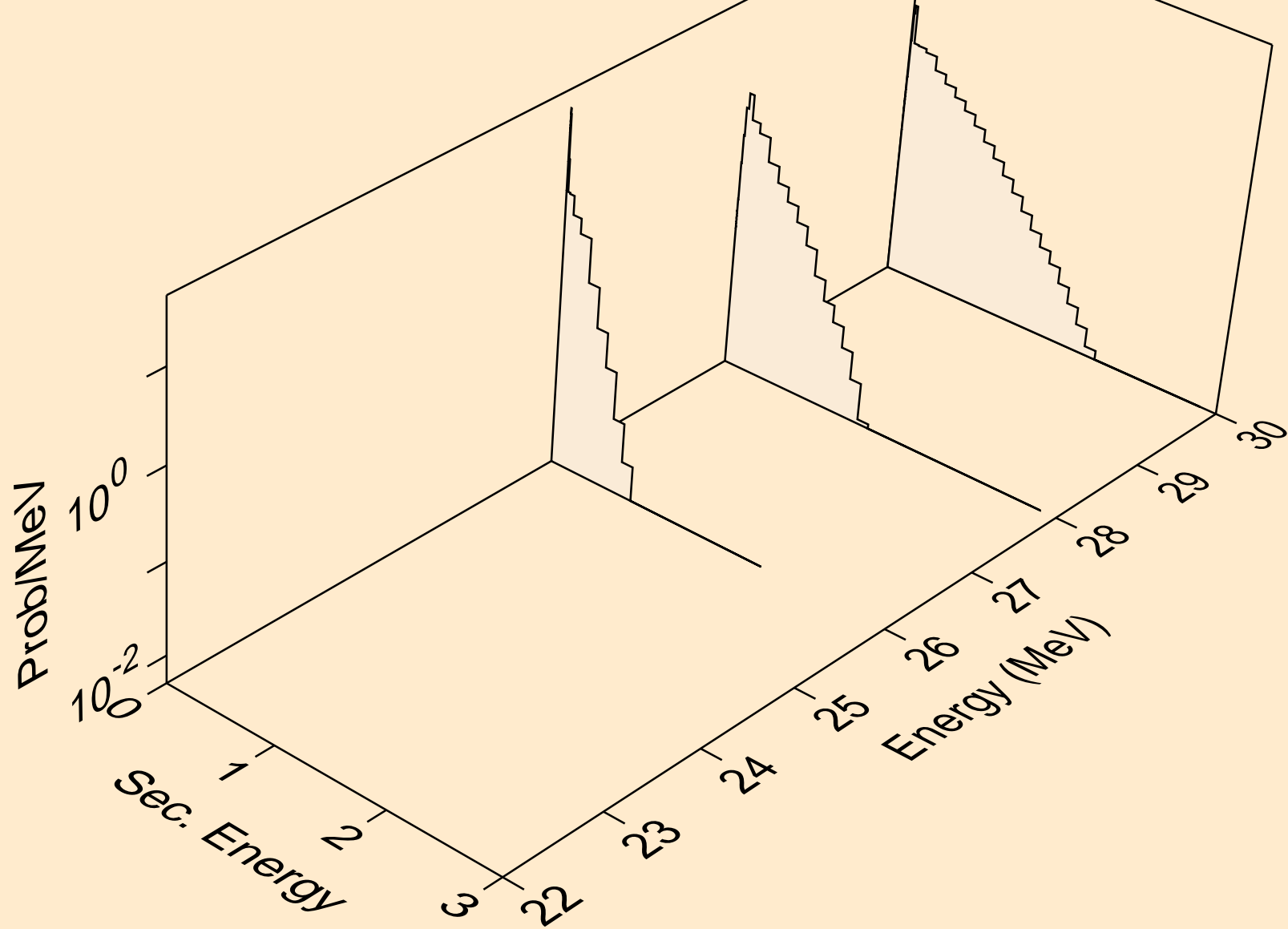
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Neutron emission for (n,n\*)d



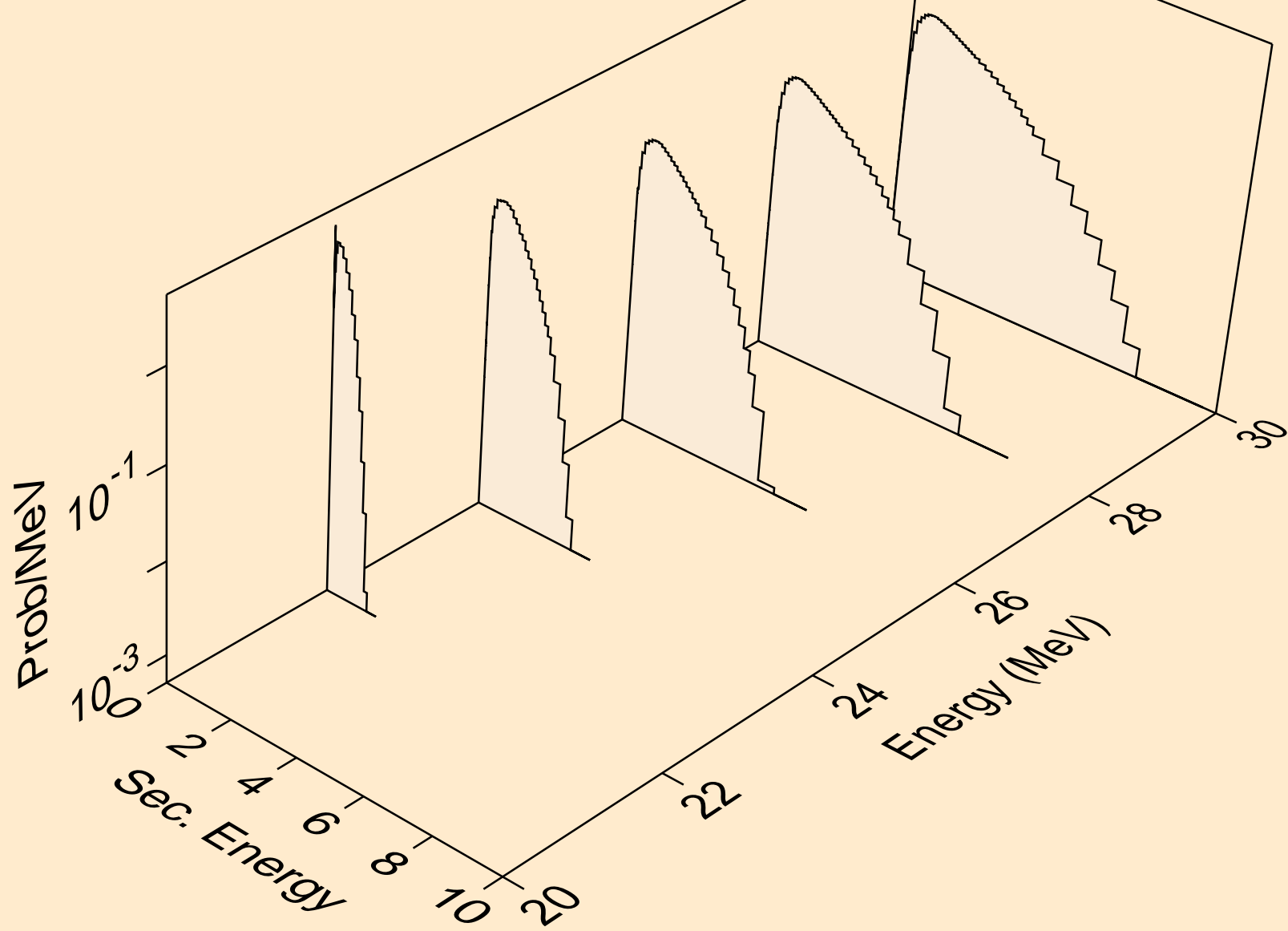
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Neutron emission for (n,n\*)t



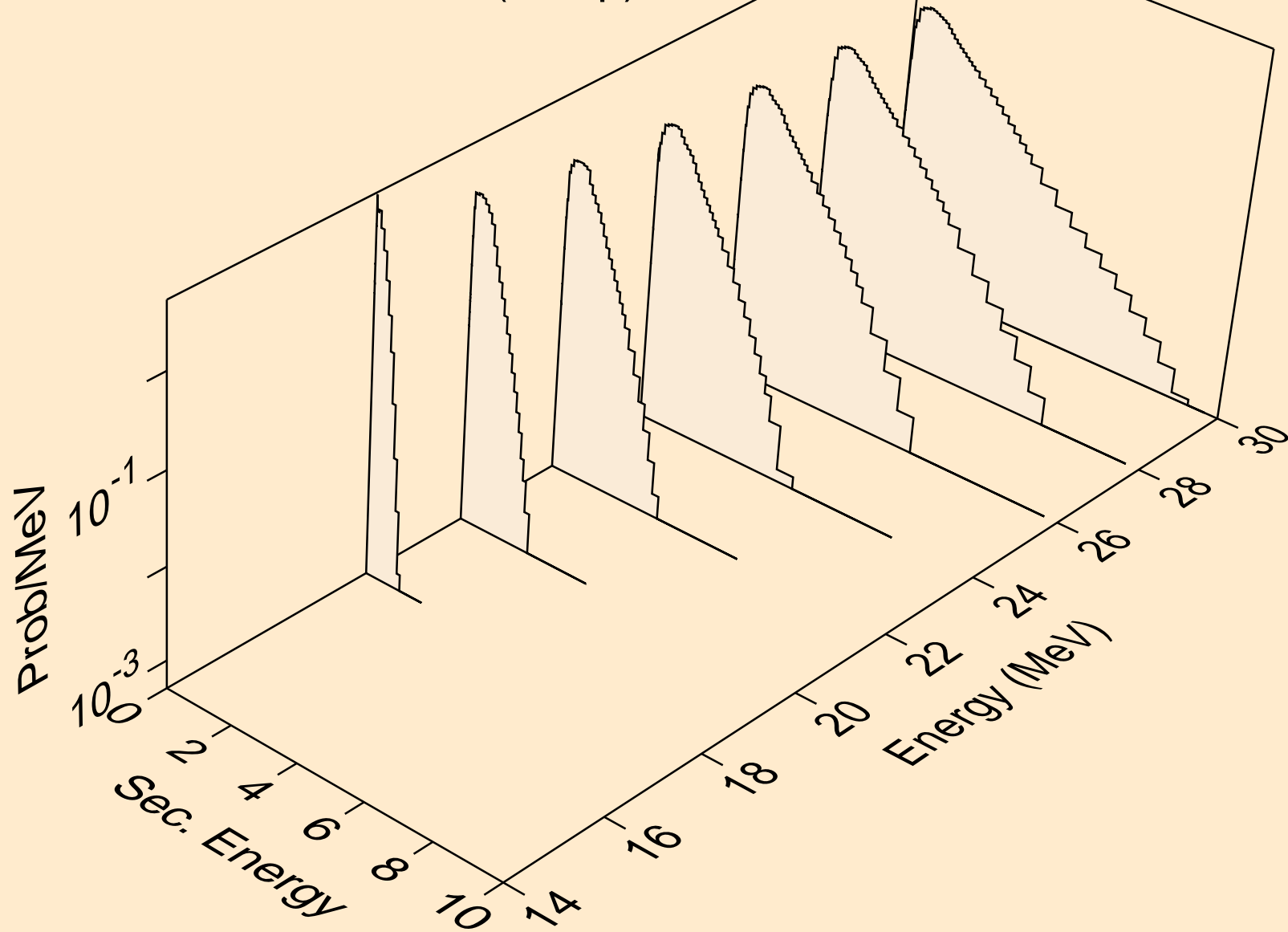
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Neutron emission for (n,n\*)he3



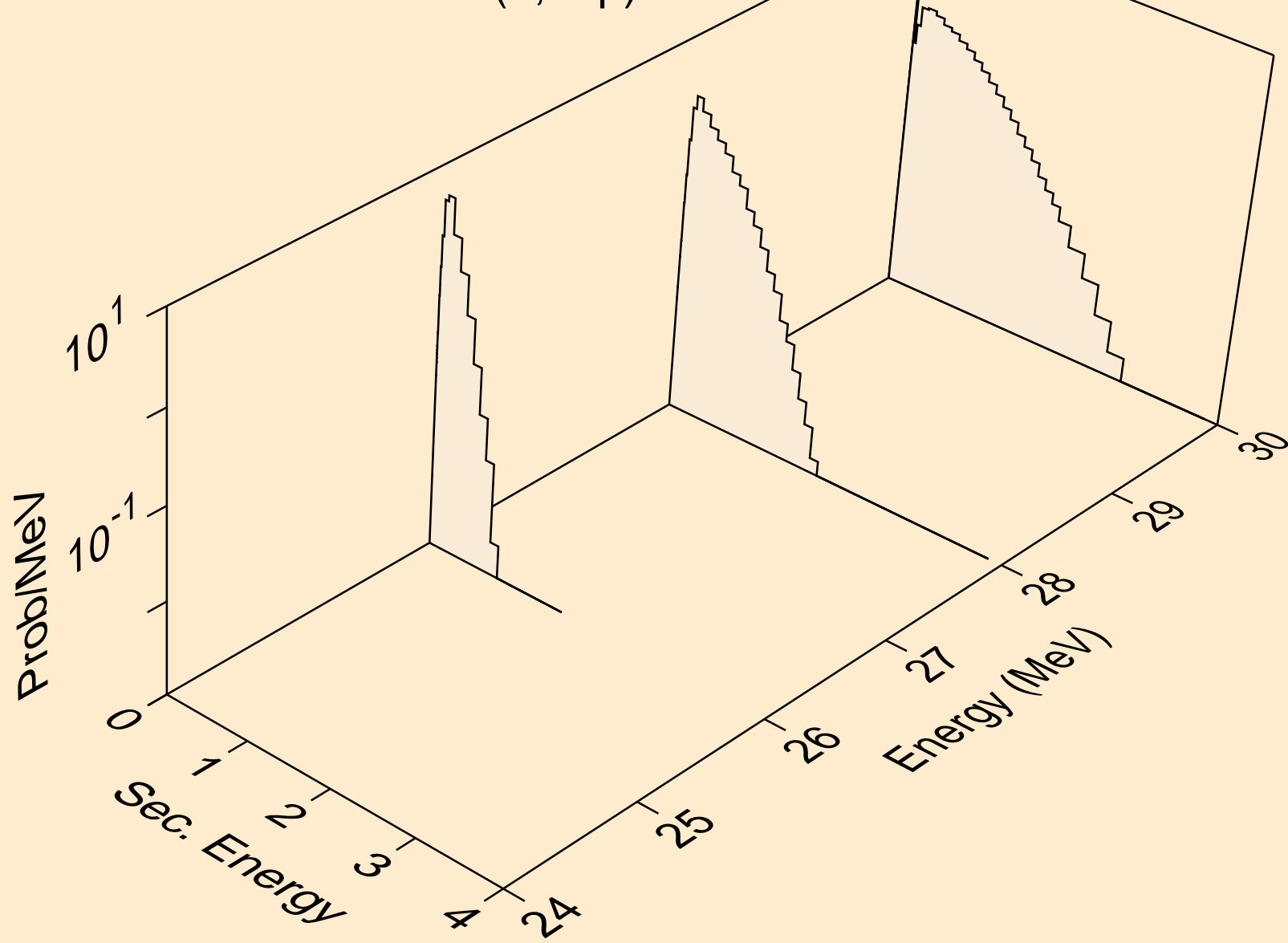
AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)



AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)

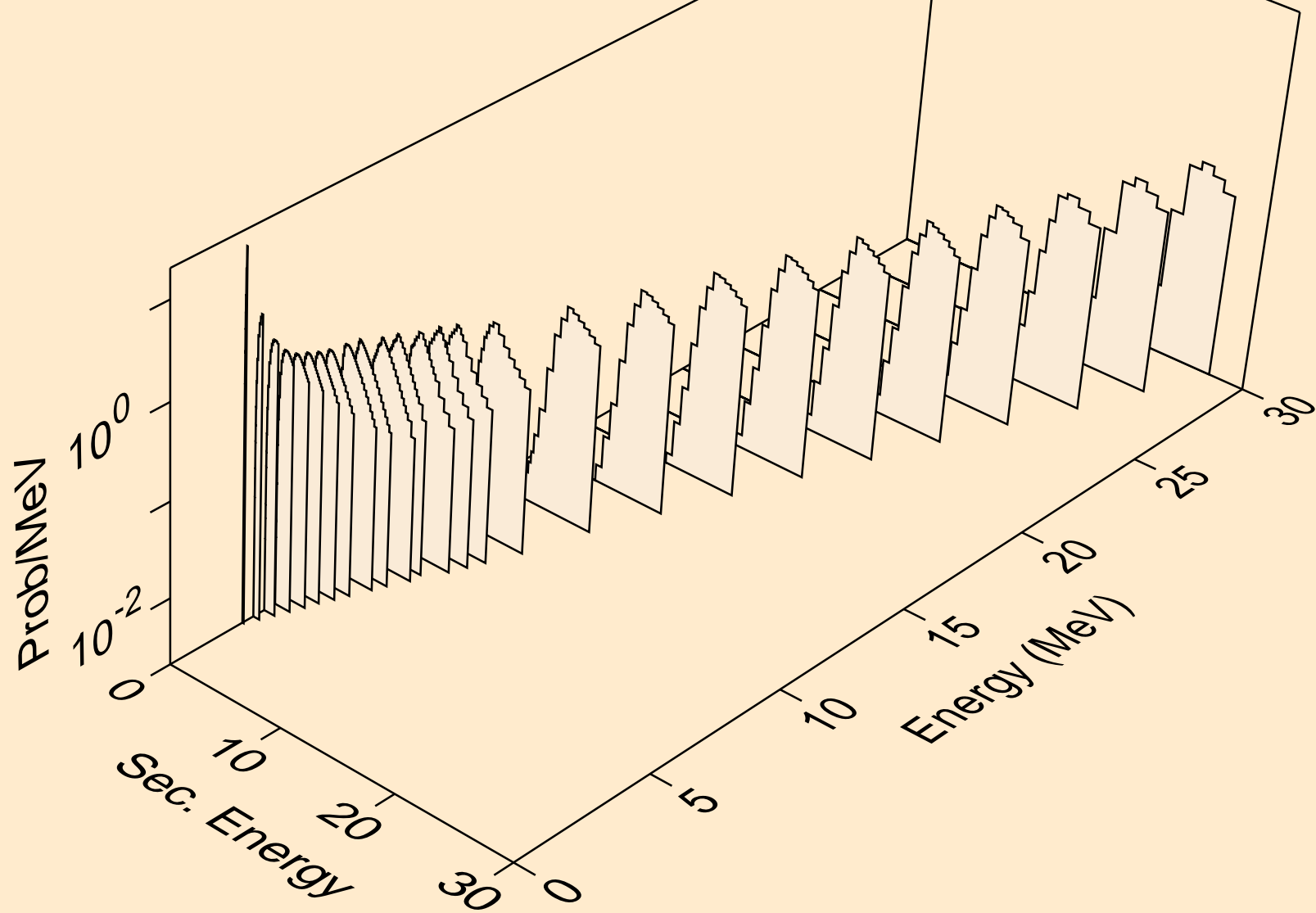


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Neutron emission for (n,3np)

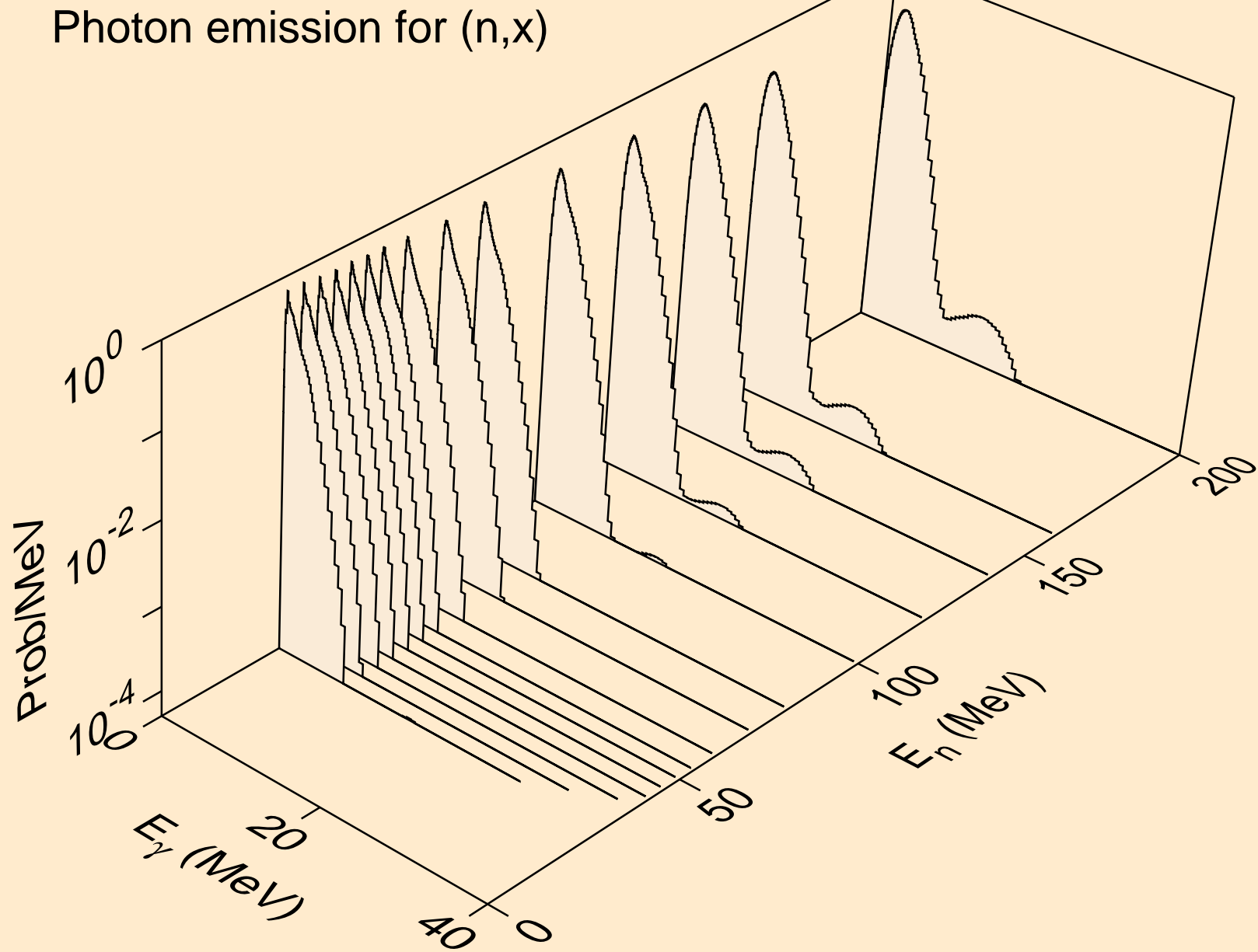




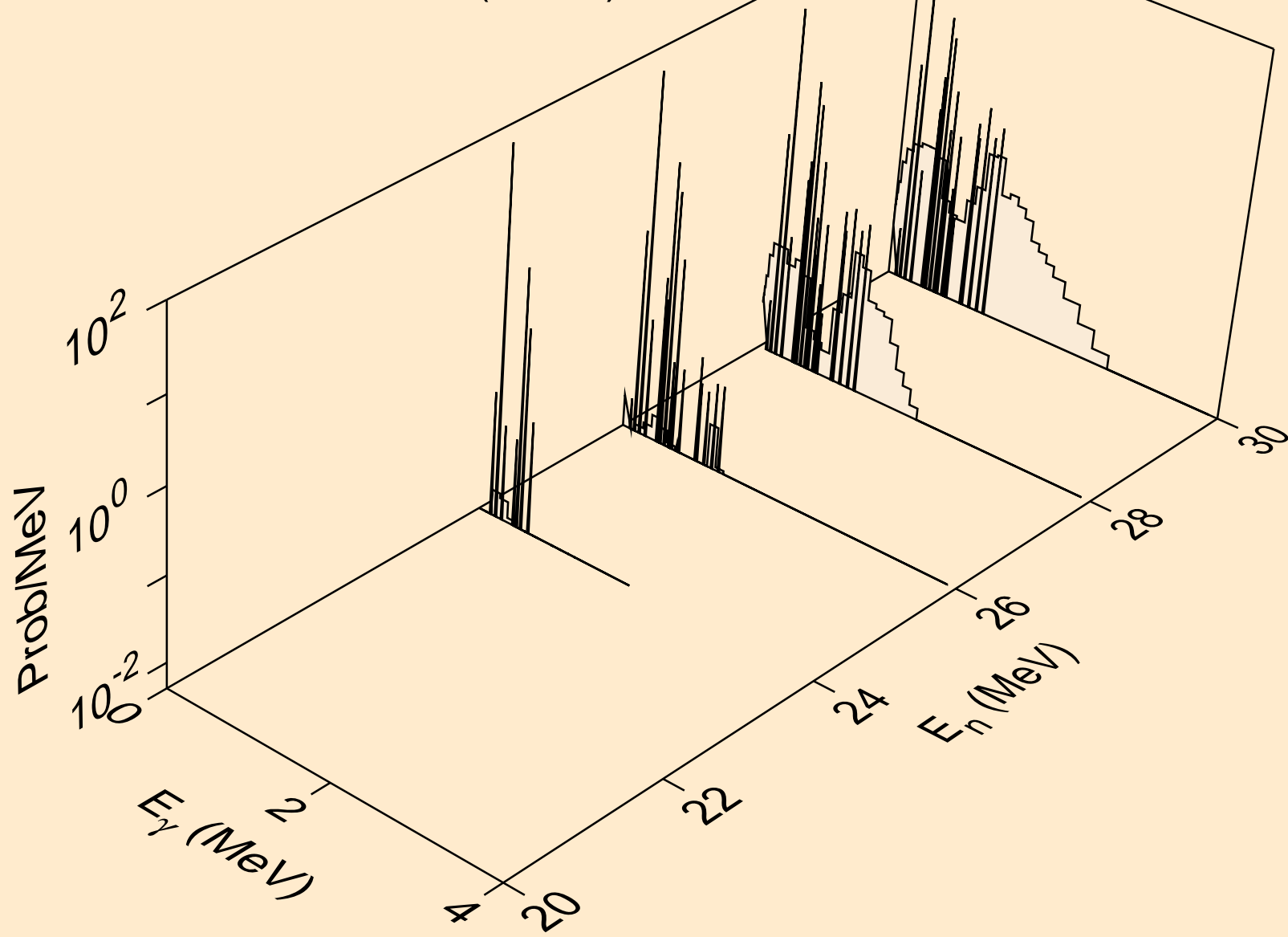
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Neutron emission for (n,n\*c)



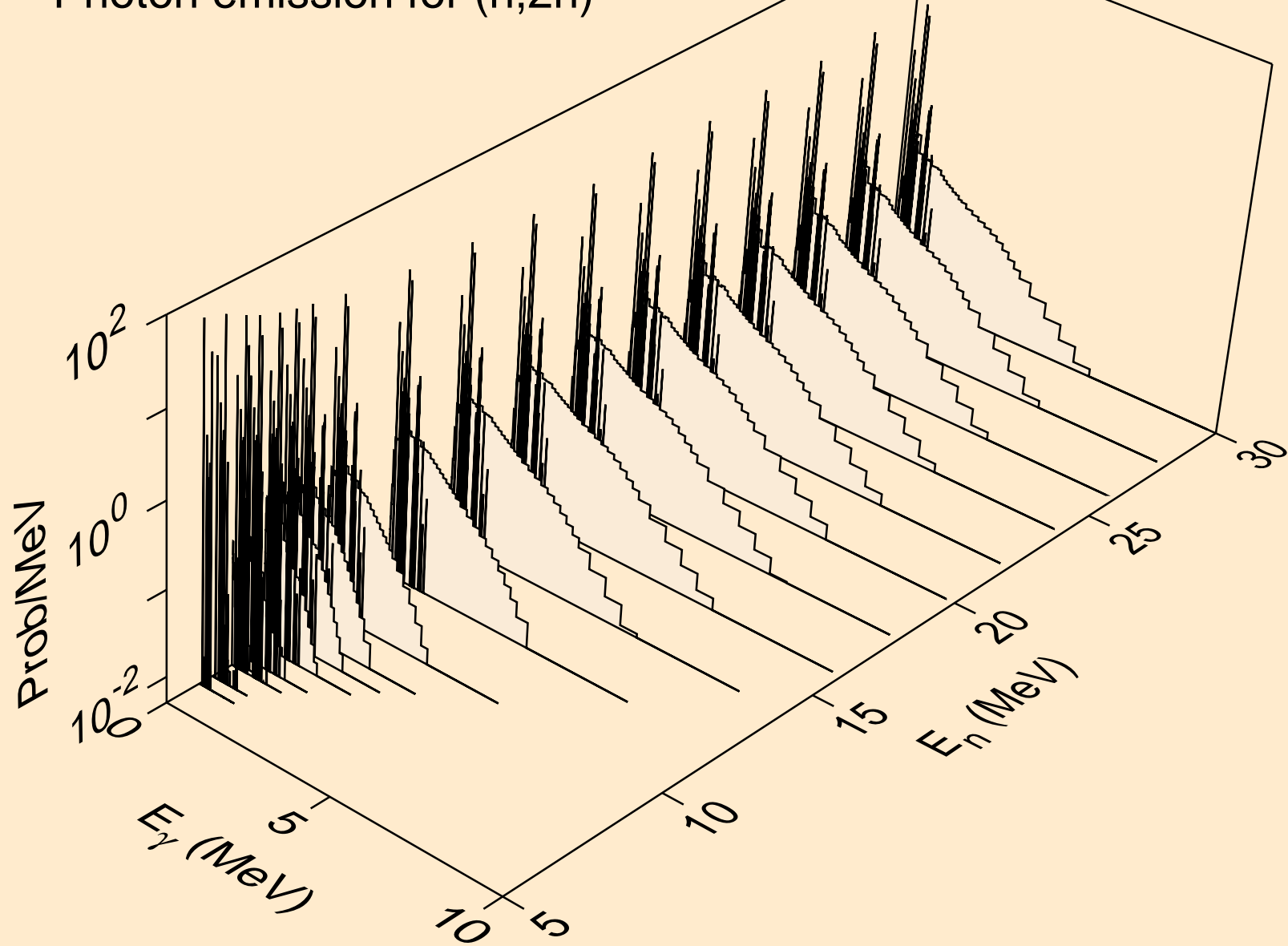
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Photon emission for (n,x)



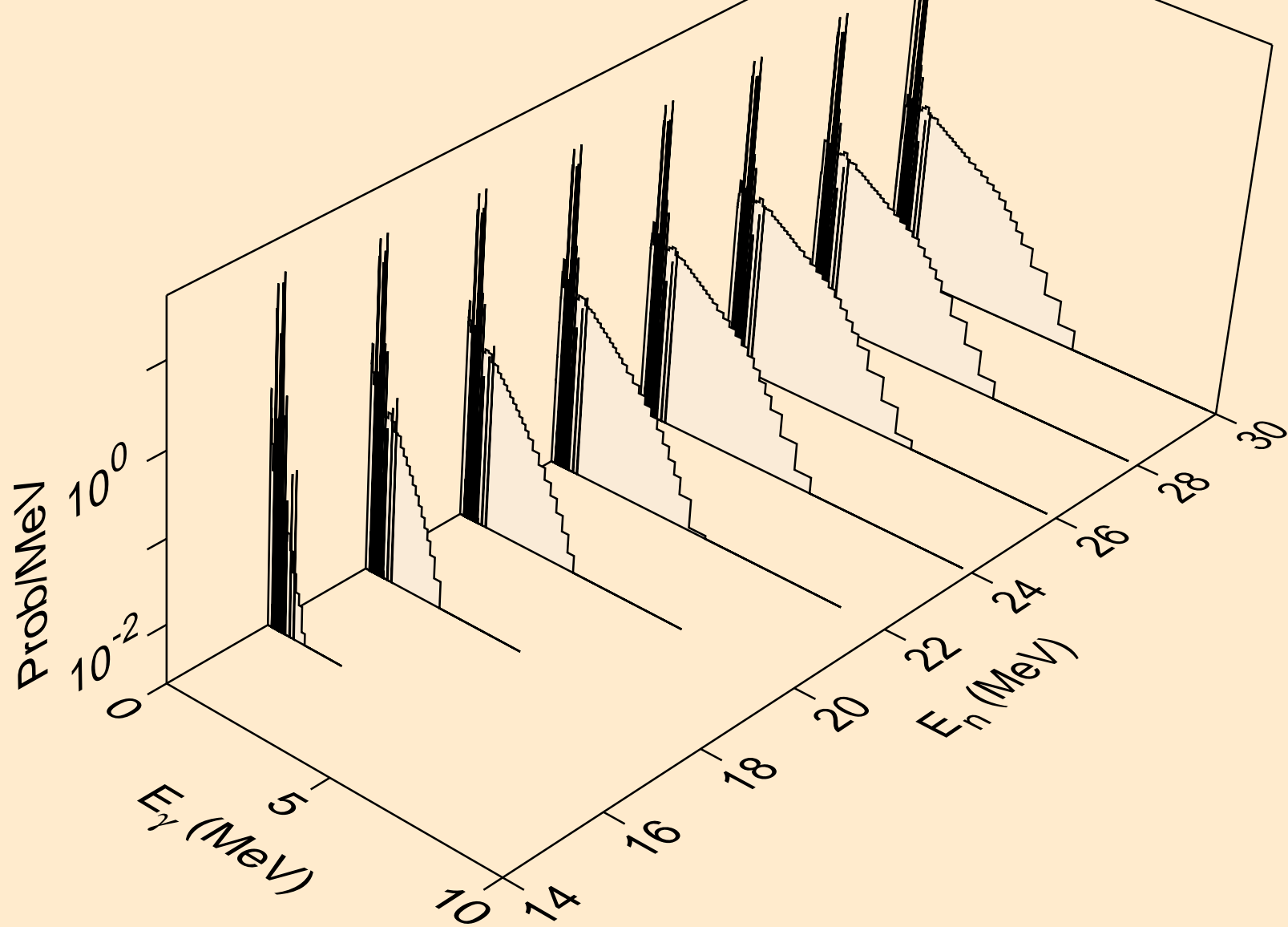
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Photon emission for (n,2nd)



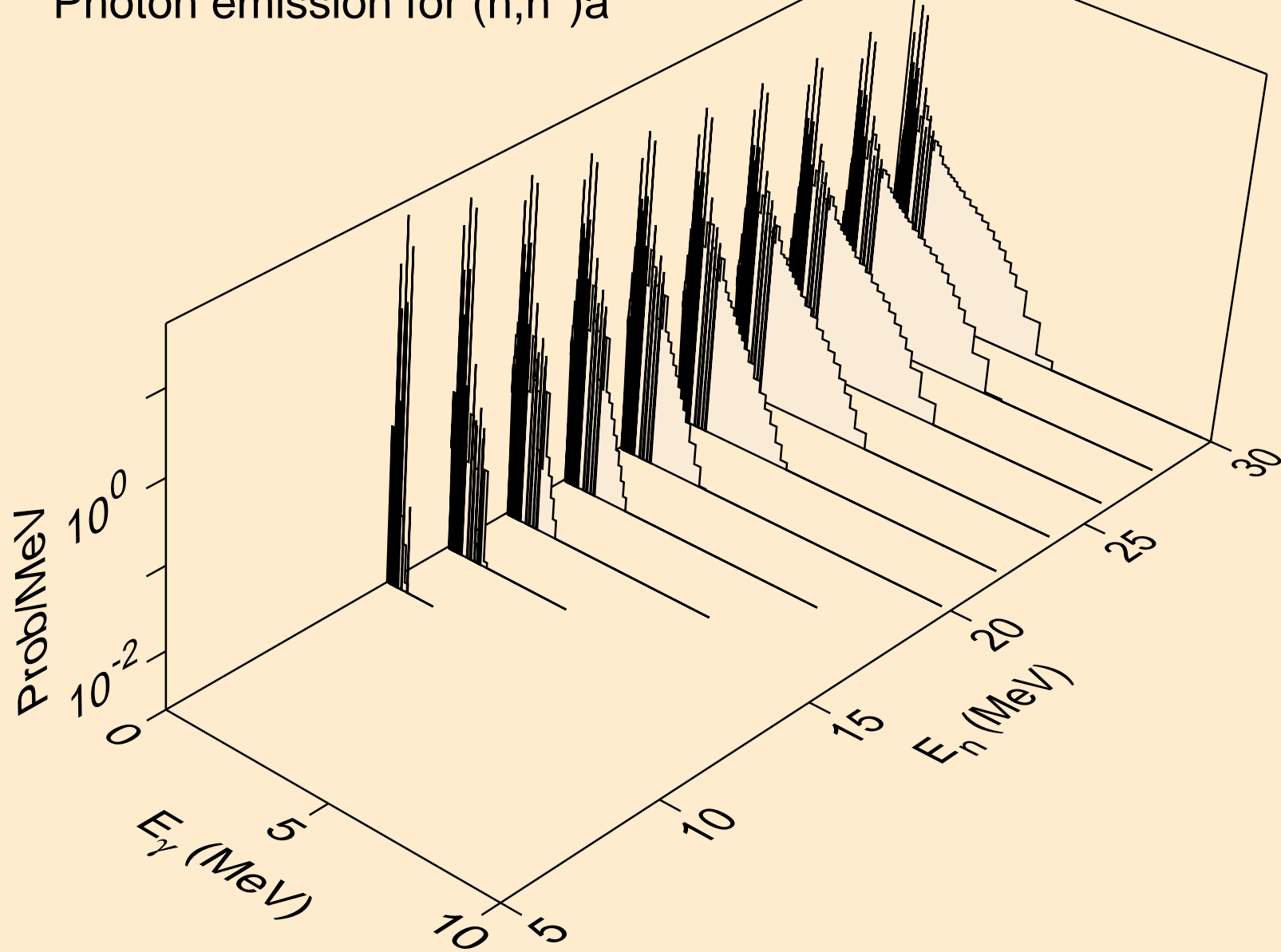
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Photon emission for (n,2n)



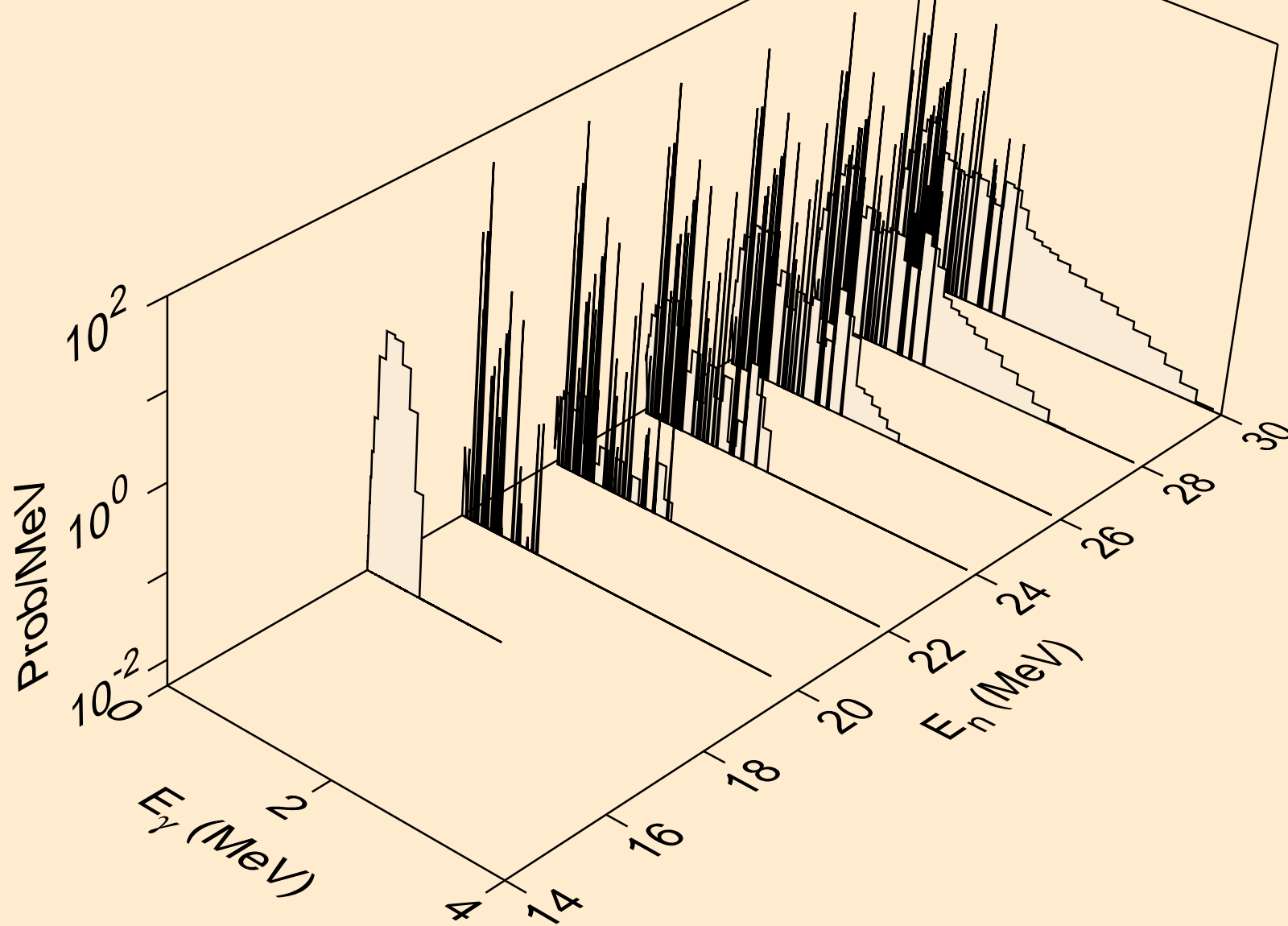
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Photon emission for (n,3n)



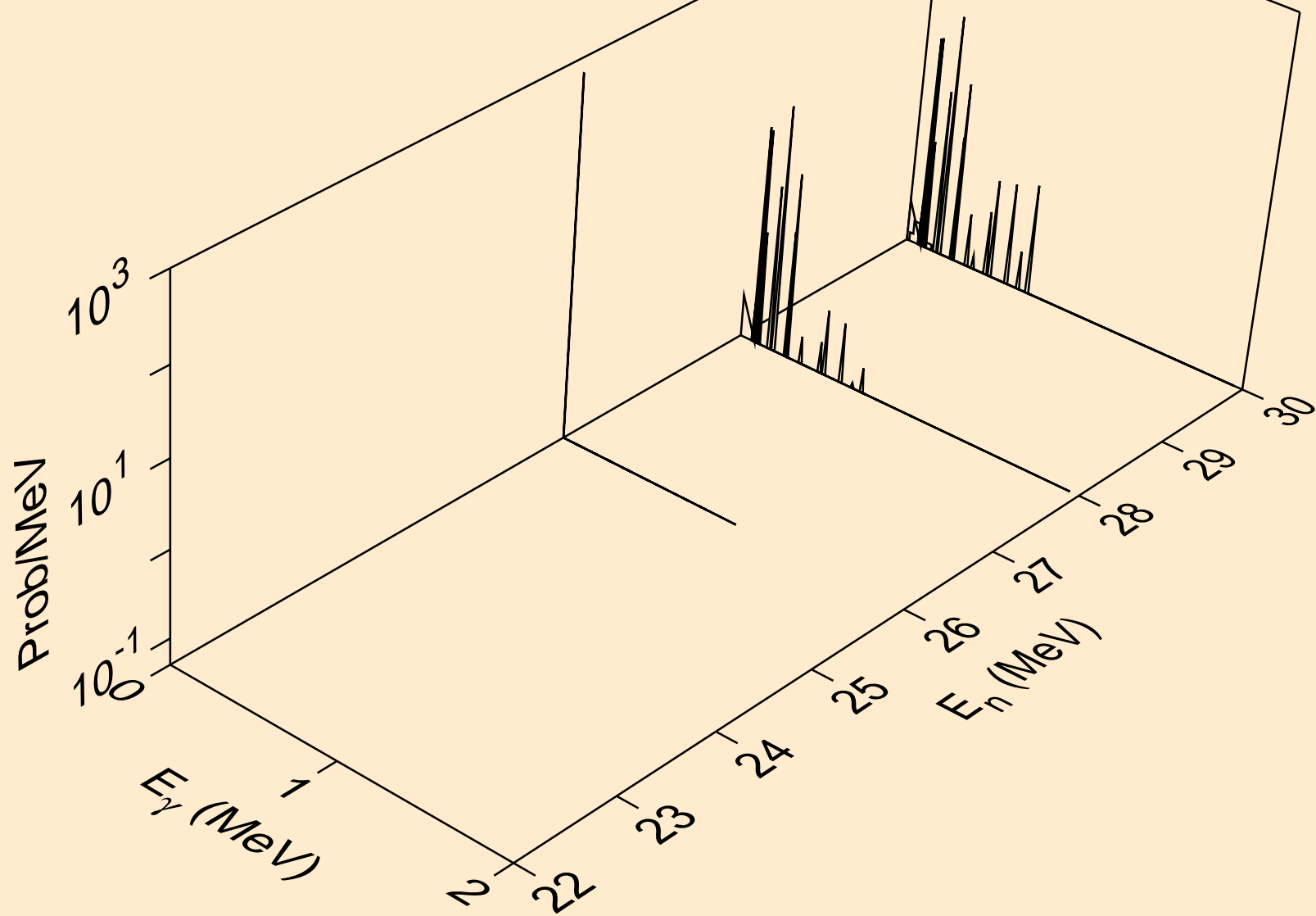
AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a

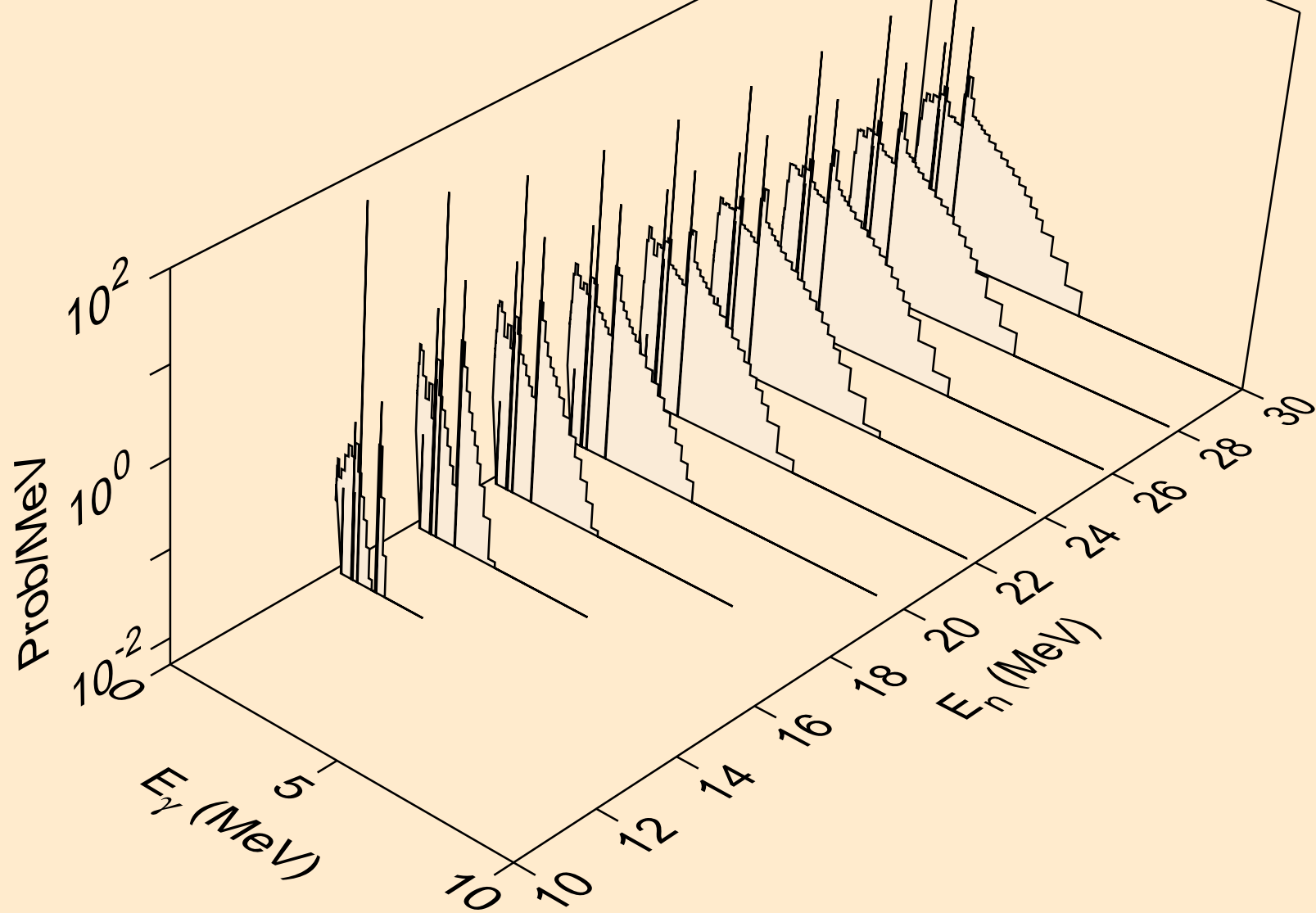


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Photon emission for (n,3n)a

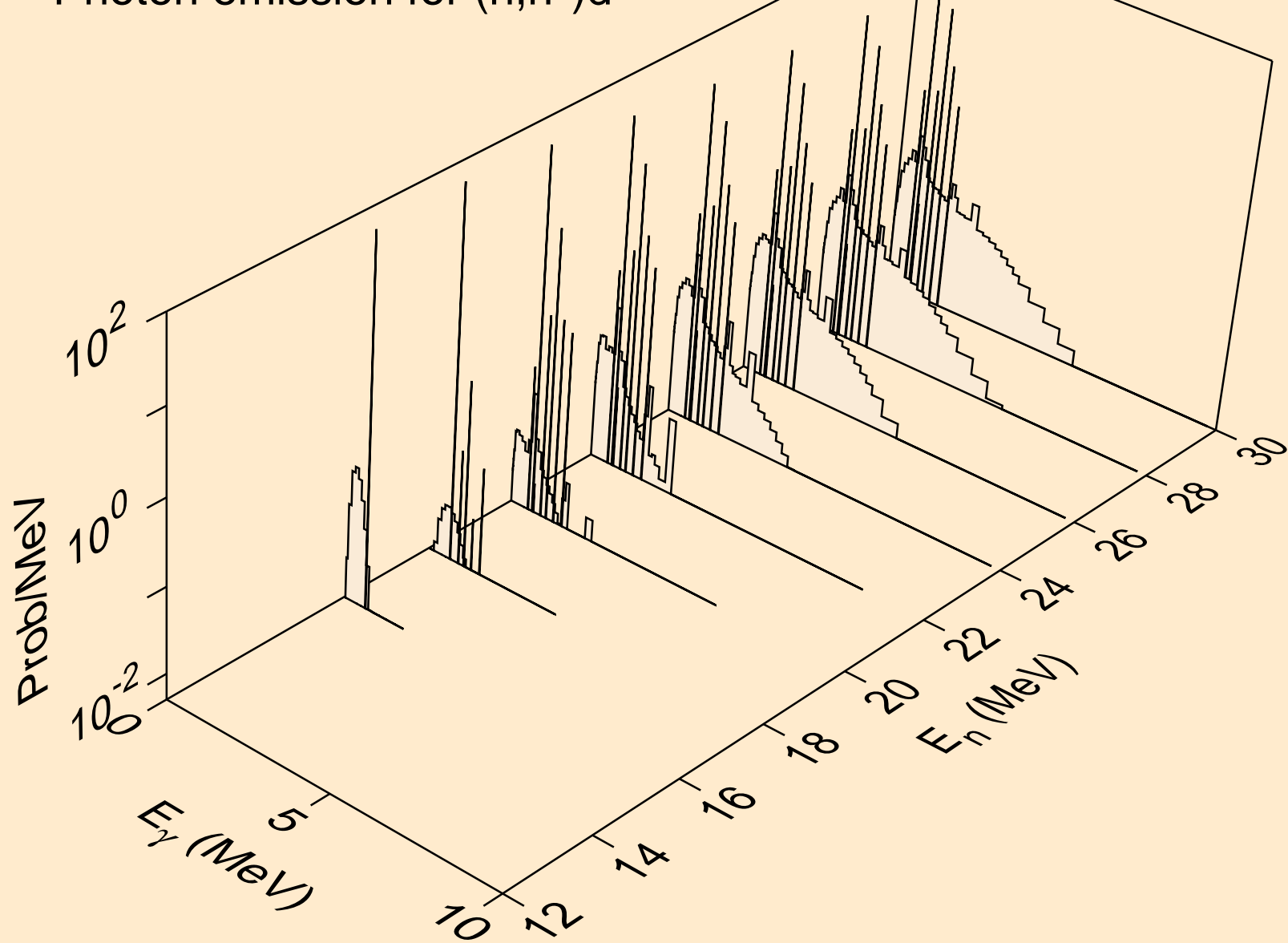




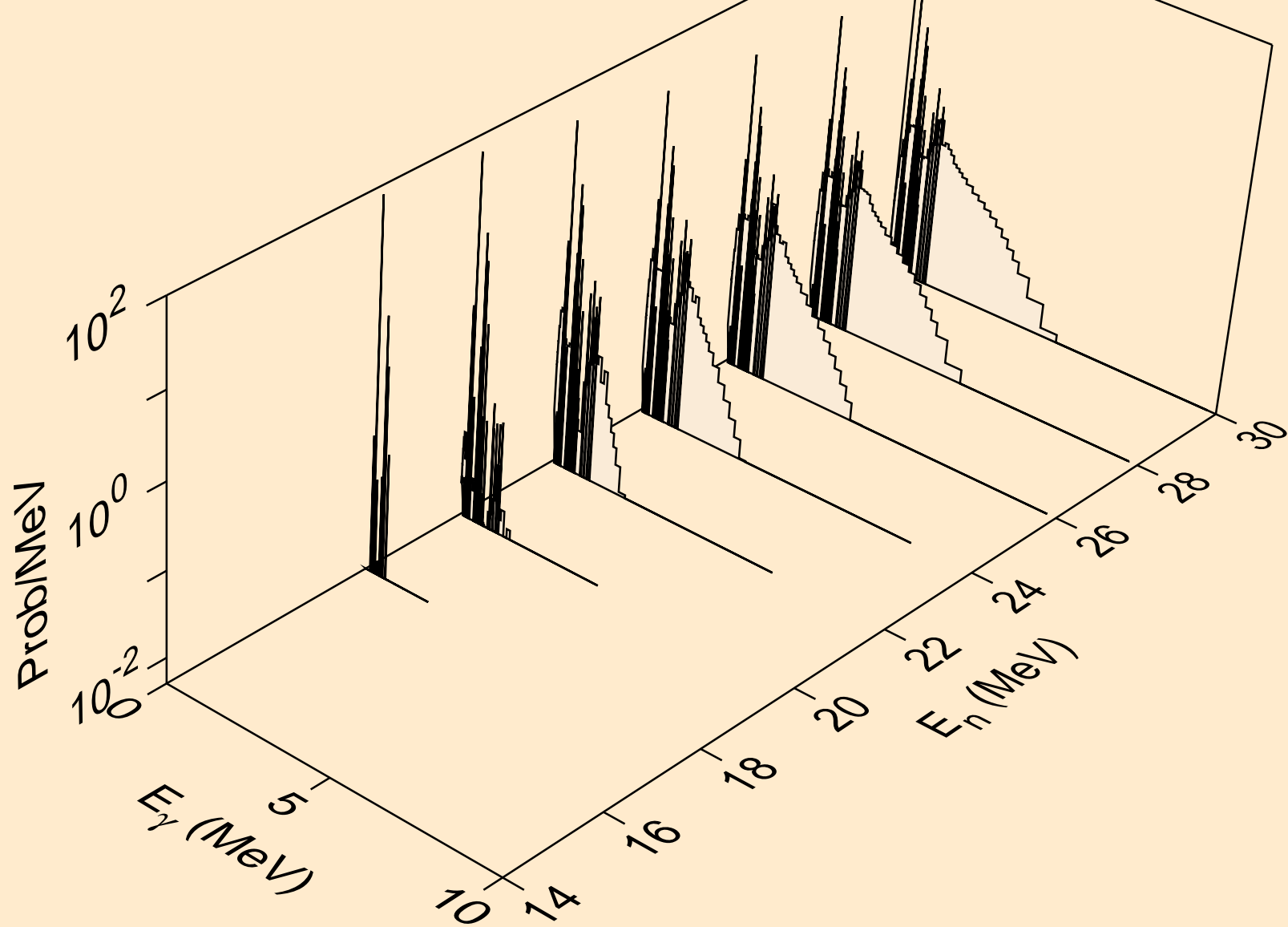
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Photon emission for (n,n\*)p



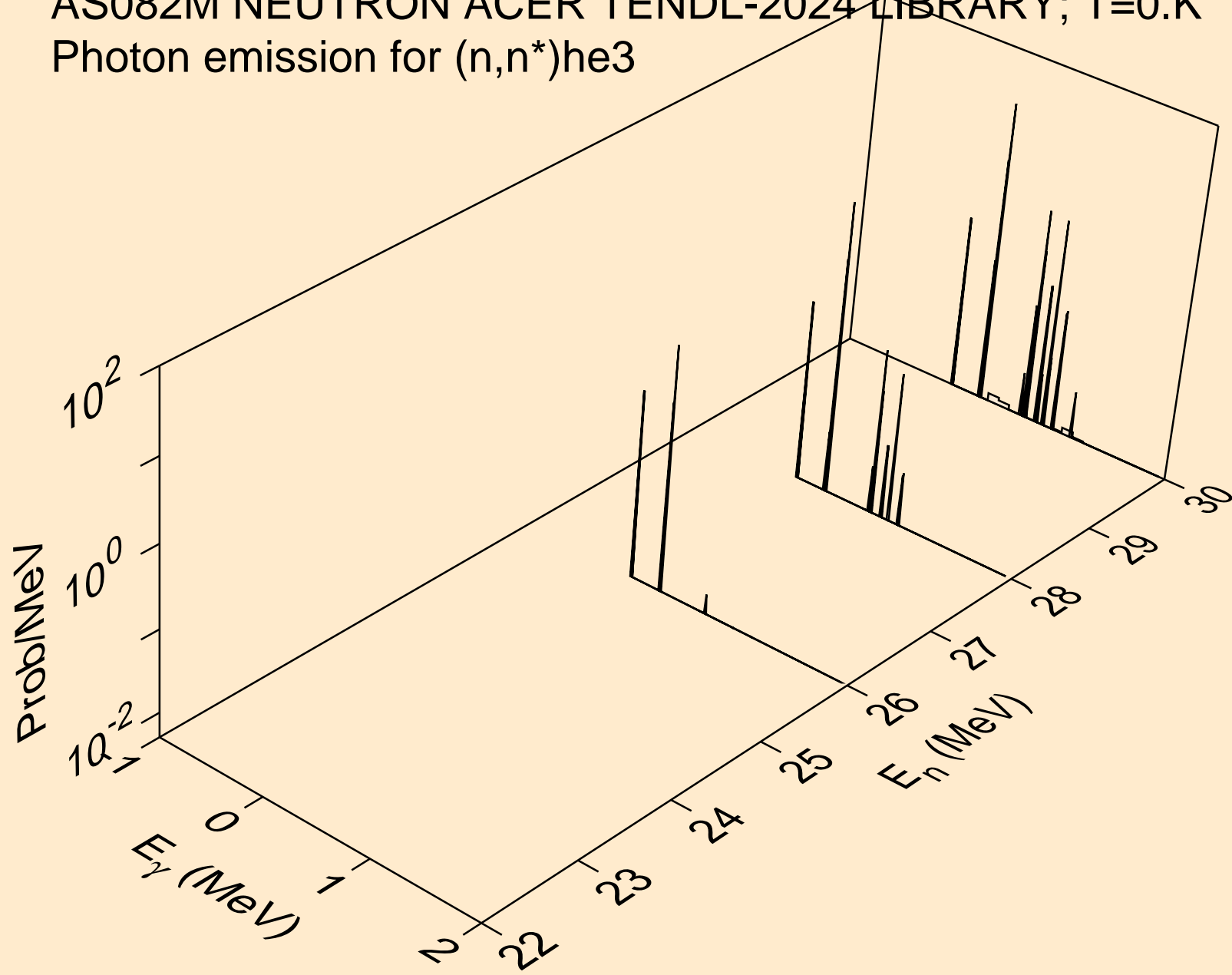
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Photon emission for (n,n\*)d



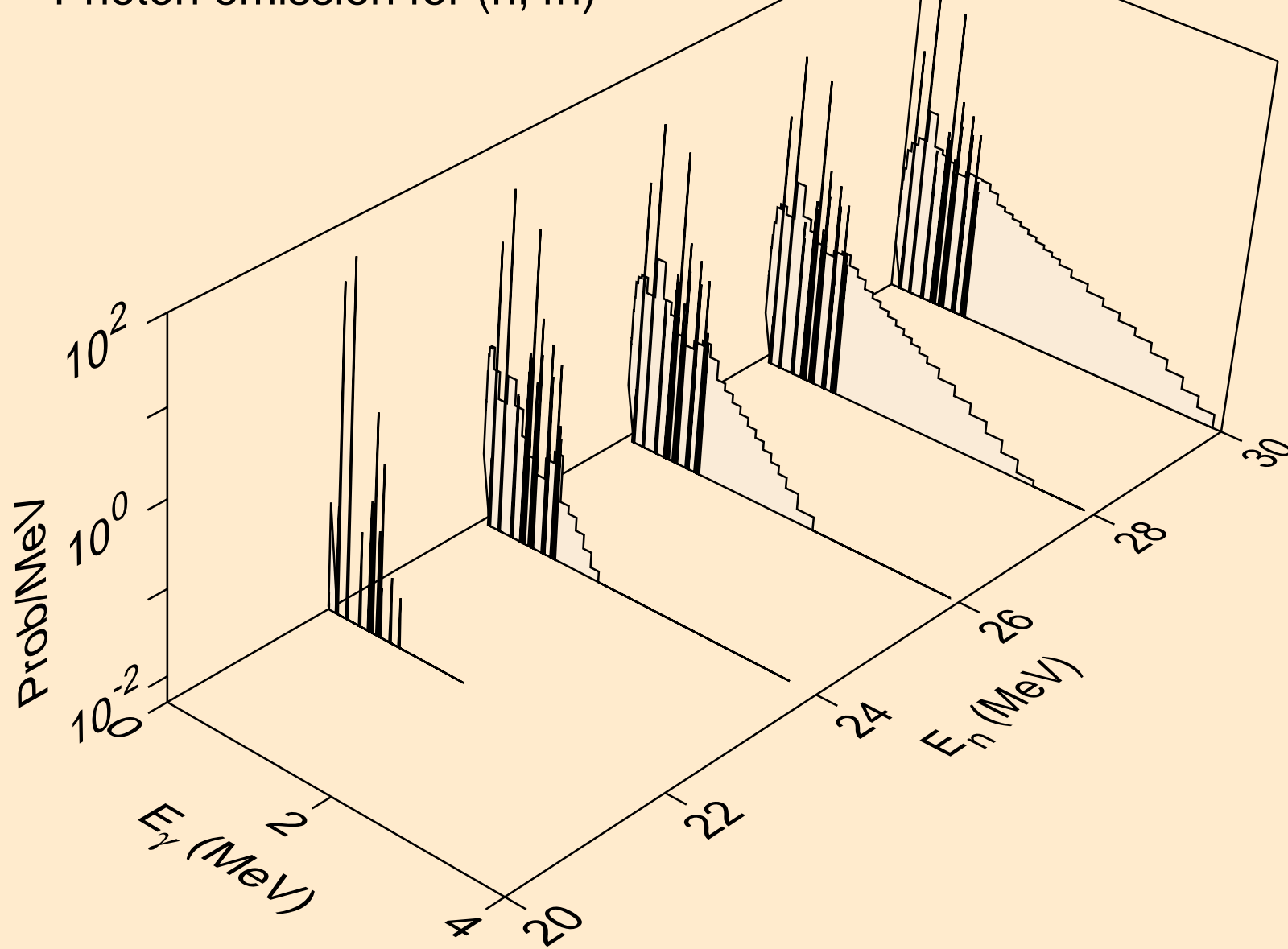
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Photon emission for (n,n\*)t



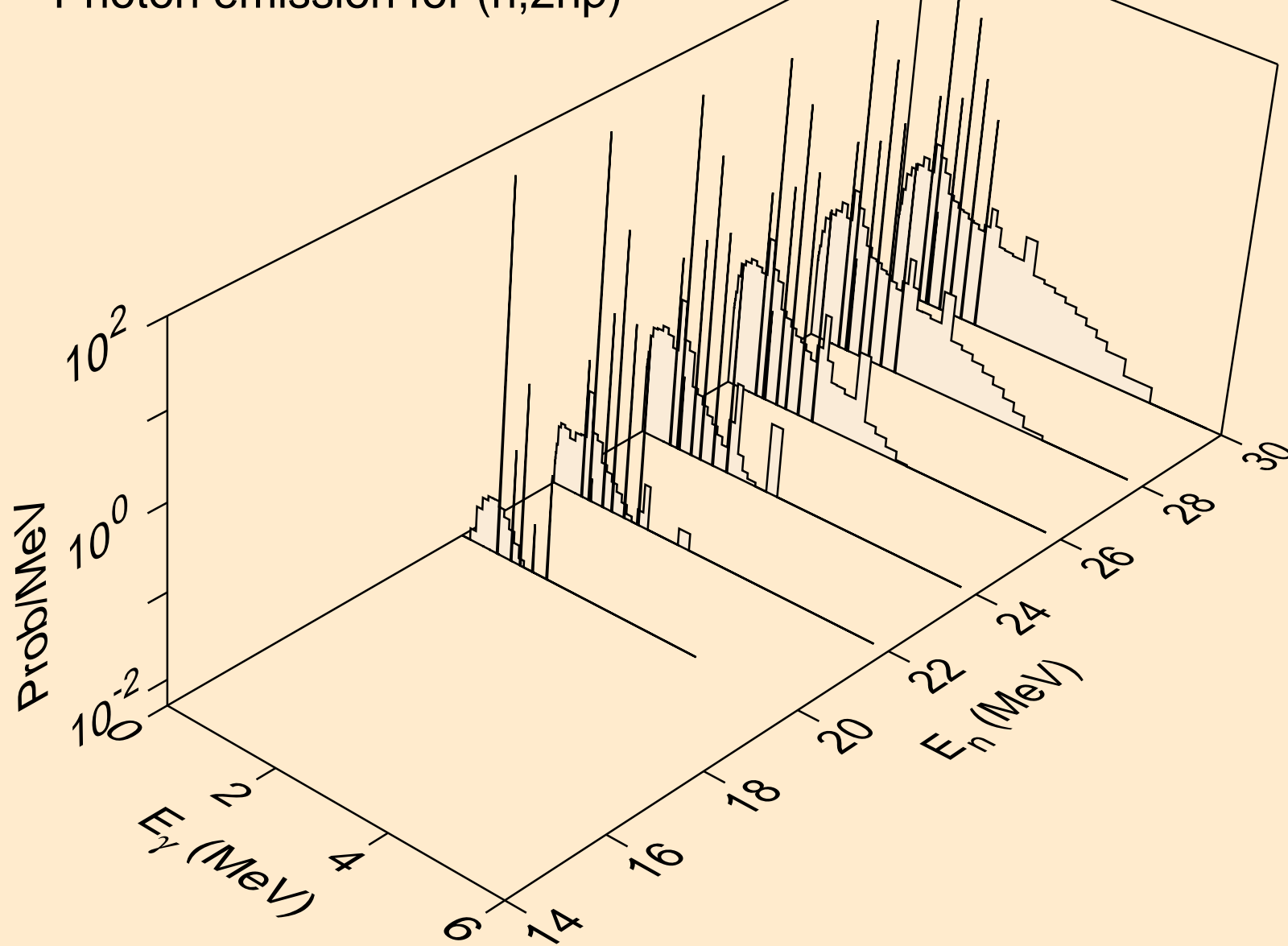
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Photon emission for (n,n\*)he3



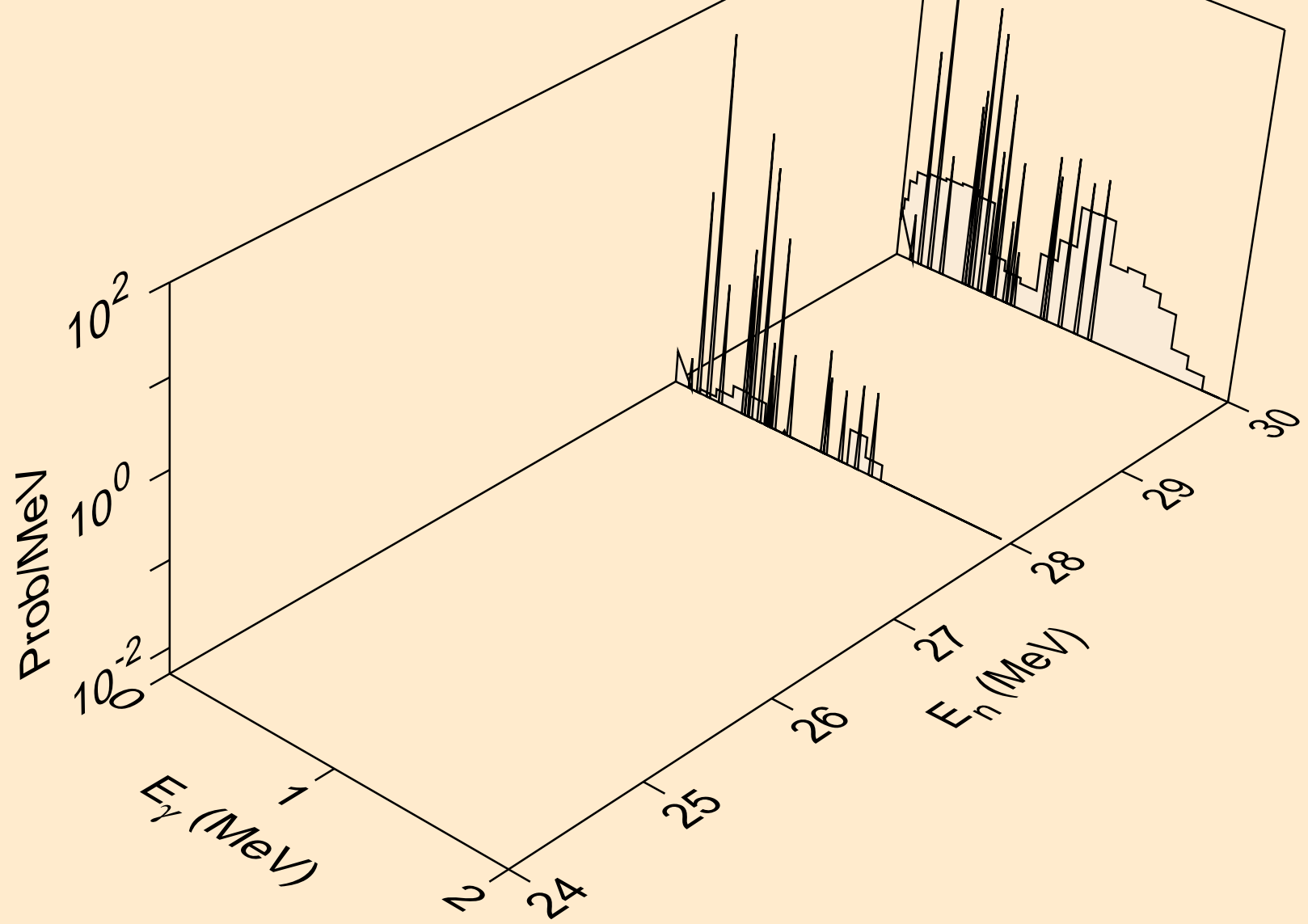
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Photon emission for (n,4n)



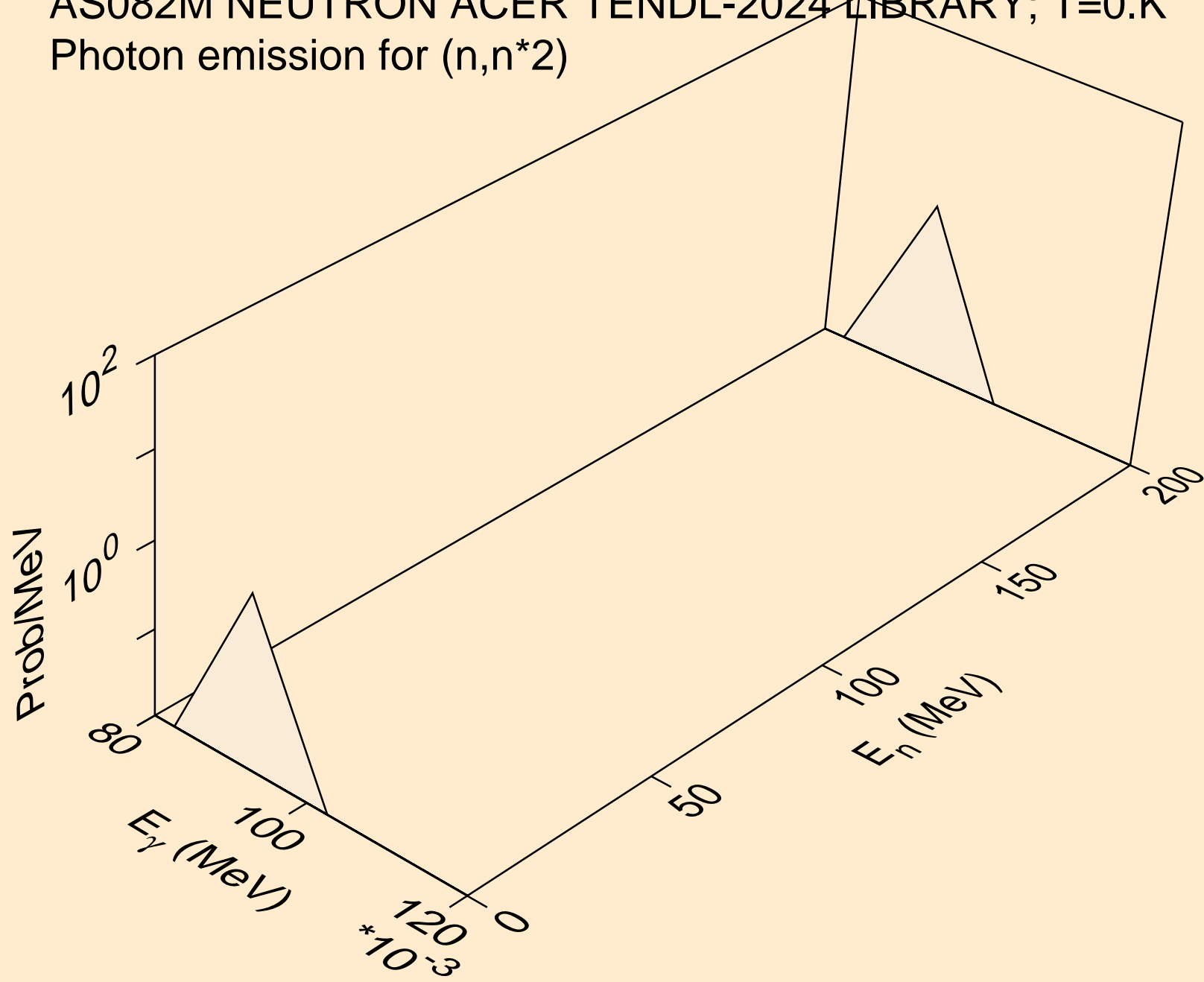
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Photon emission for (n,2np)



AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)

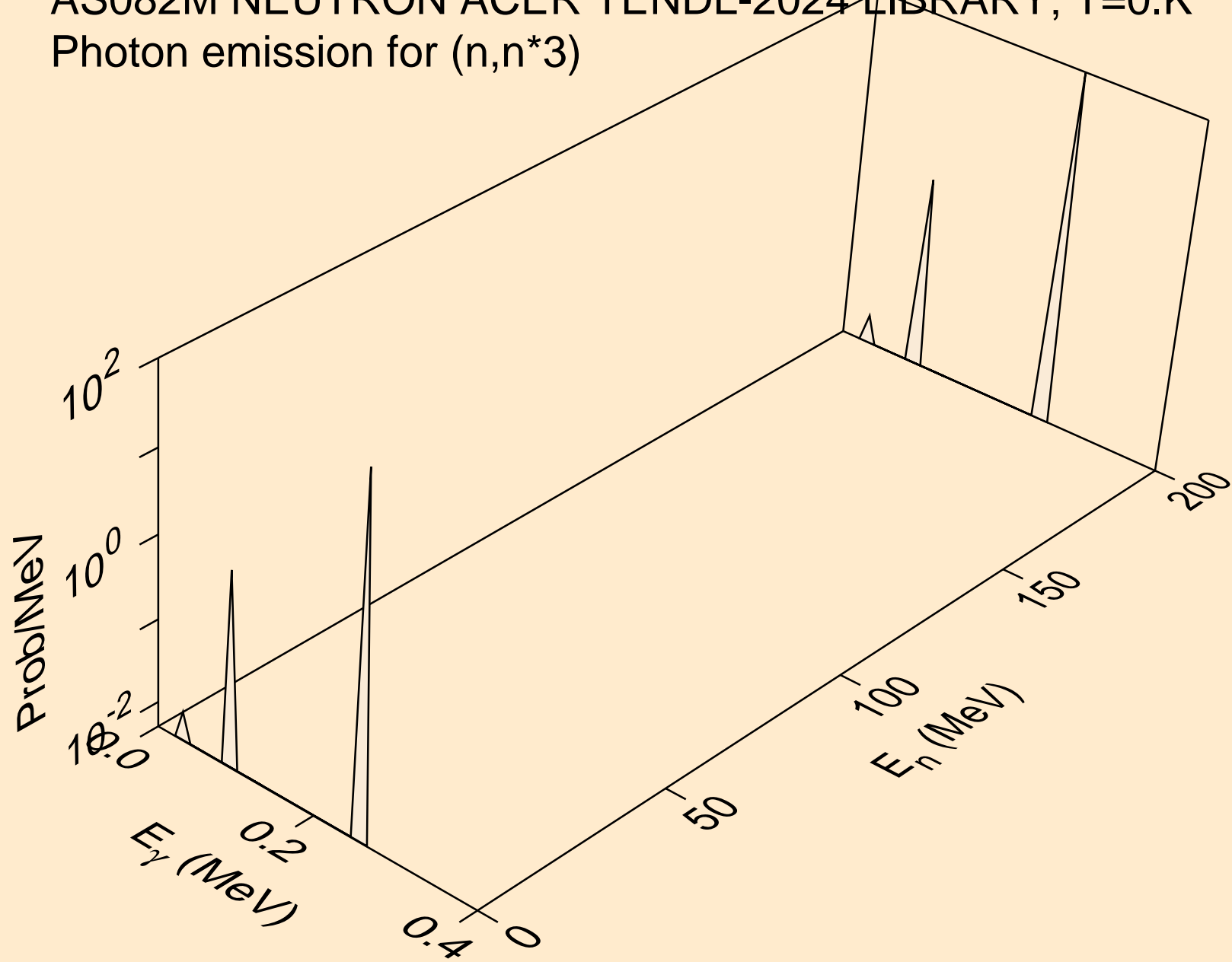


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Photon emission for (n,n\*2)

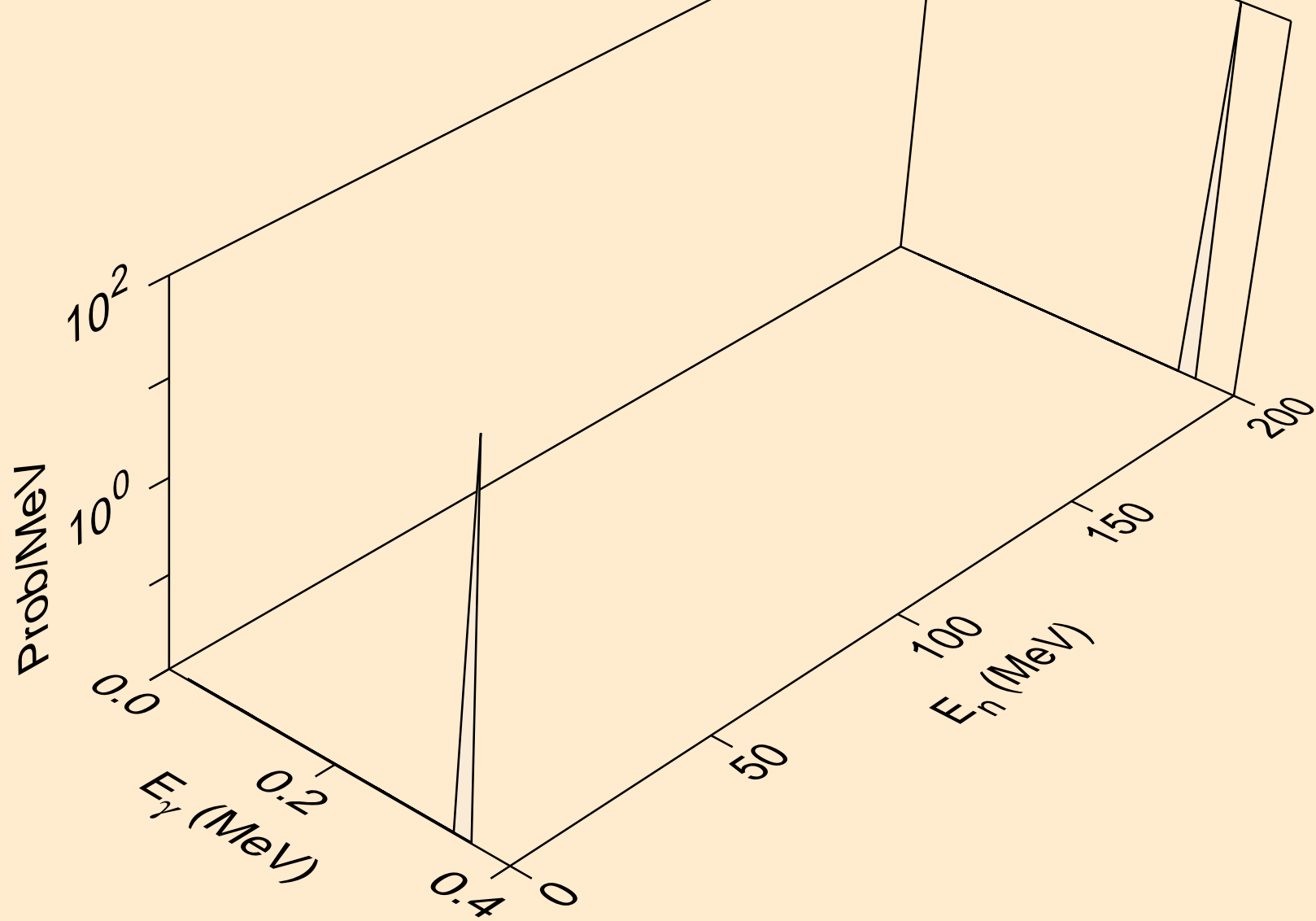




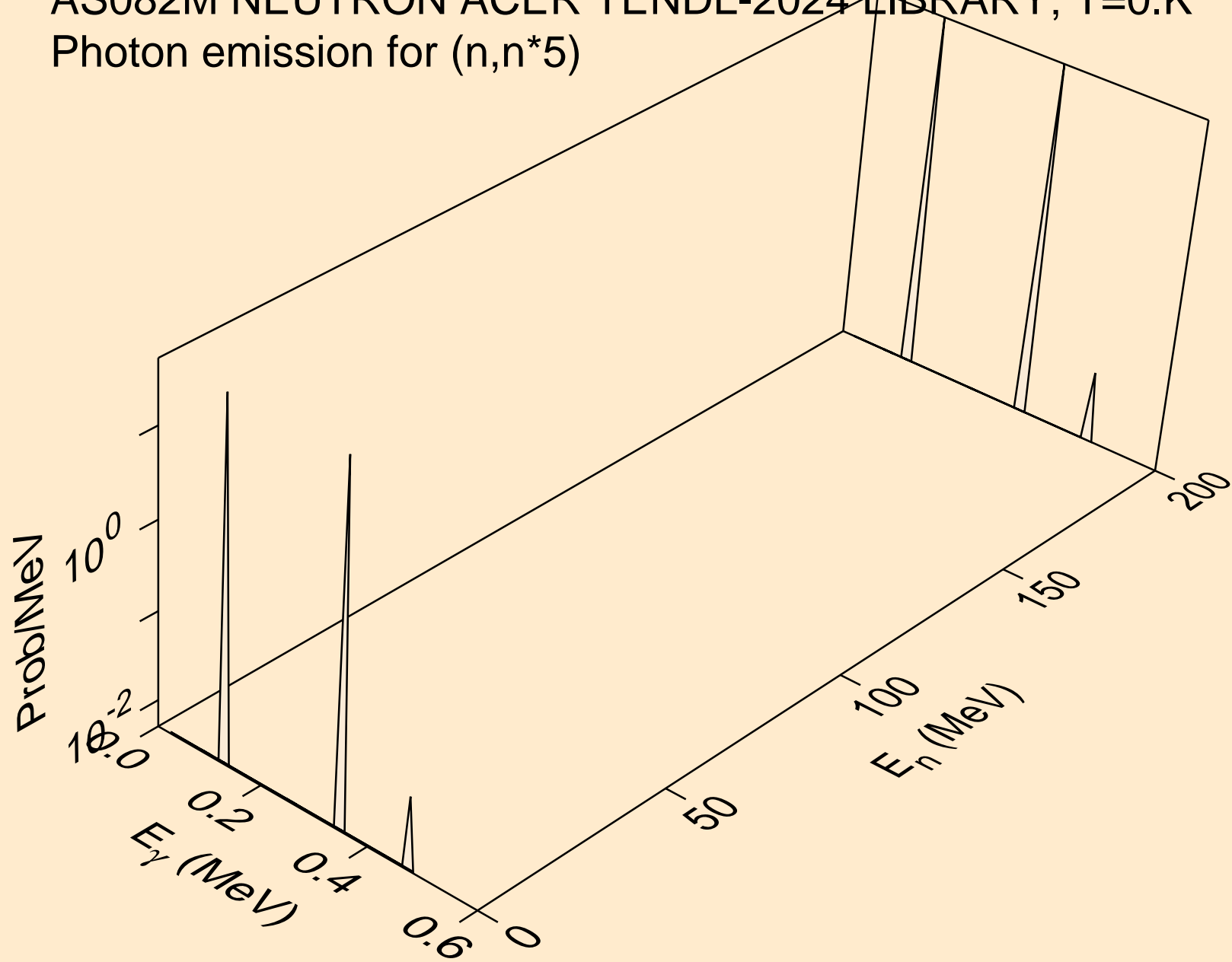
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Photon emission for (n,n\*3)



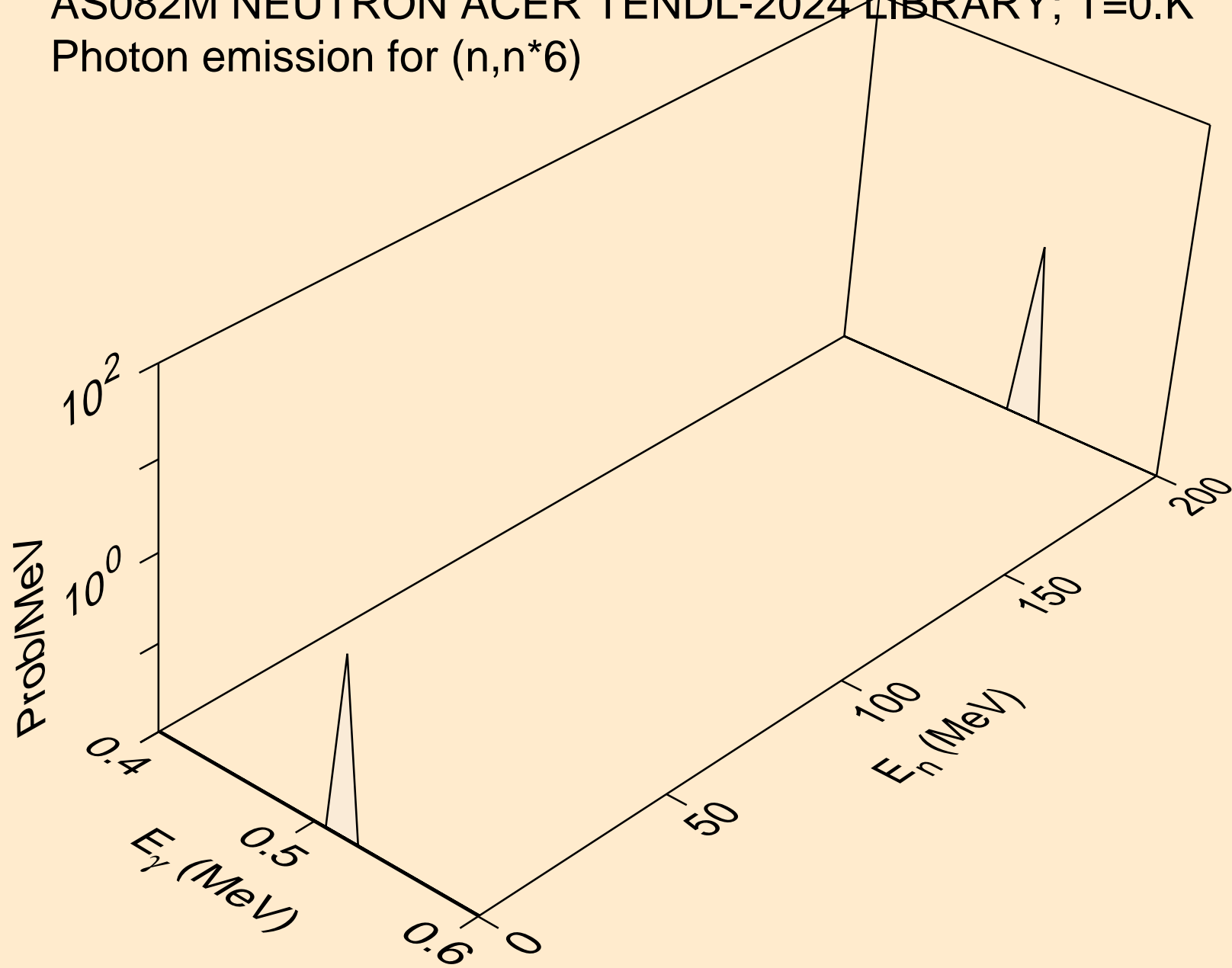
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Photon emission for (n,n\*4)



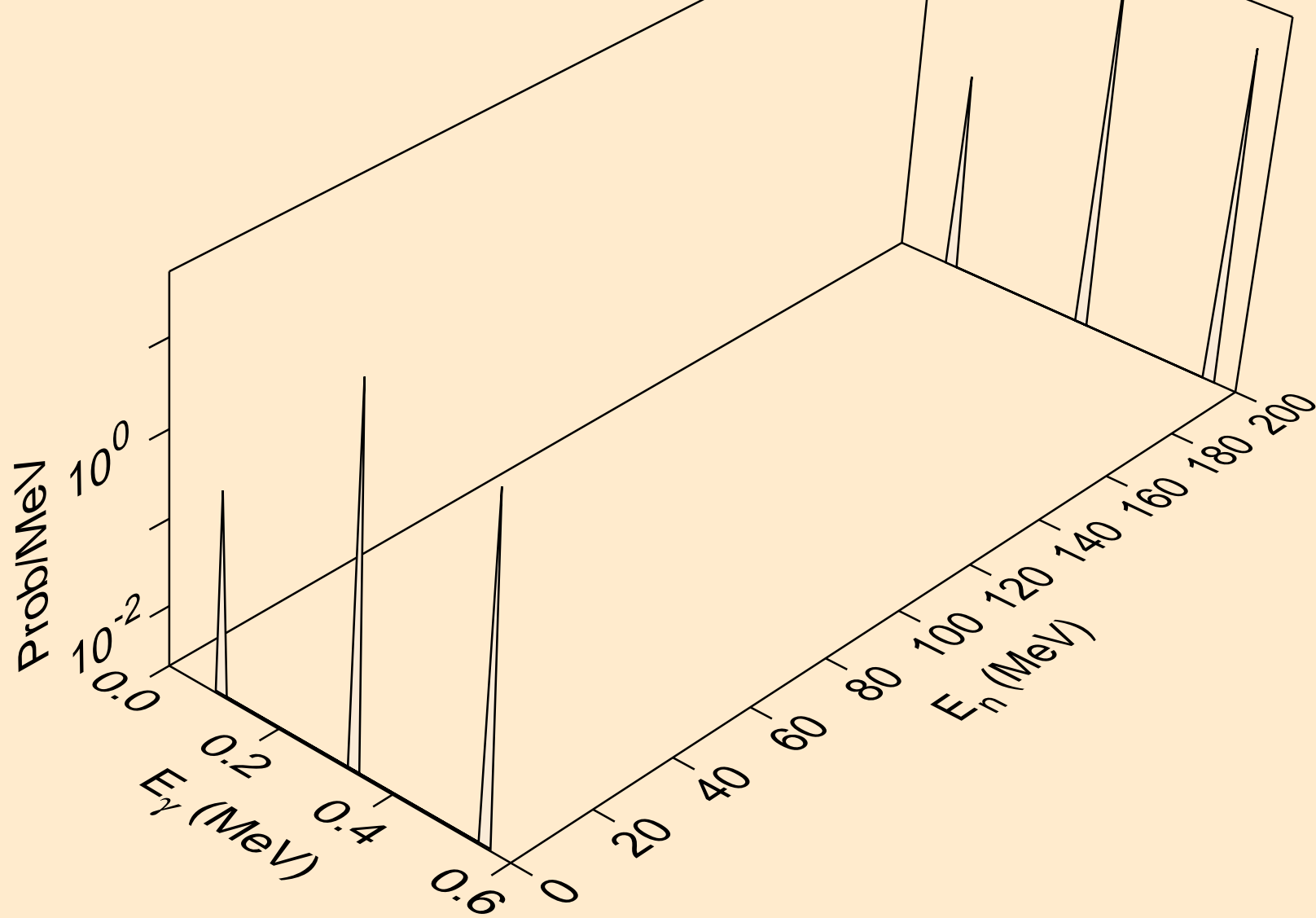
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Photon emission for (n,n\*5)



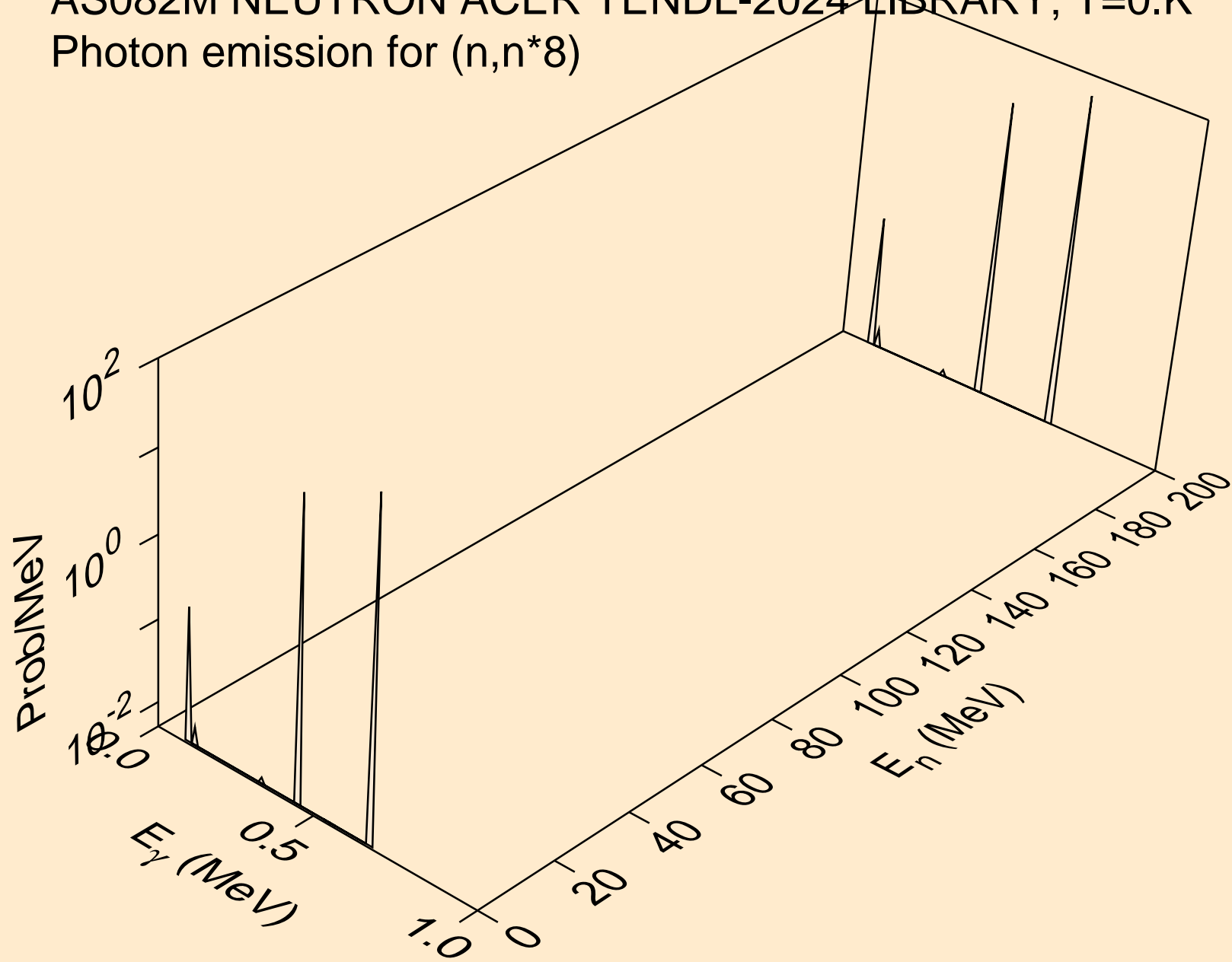
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Photon emission for (n,n\*6)



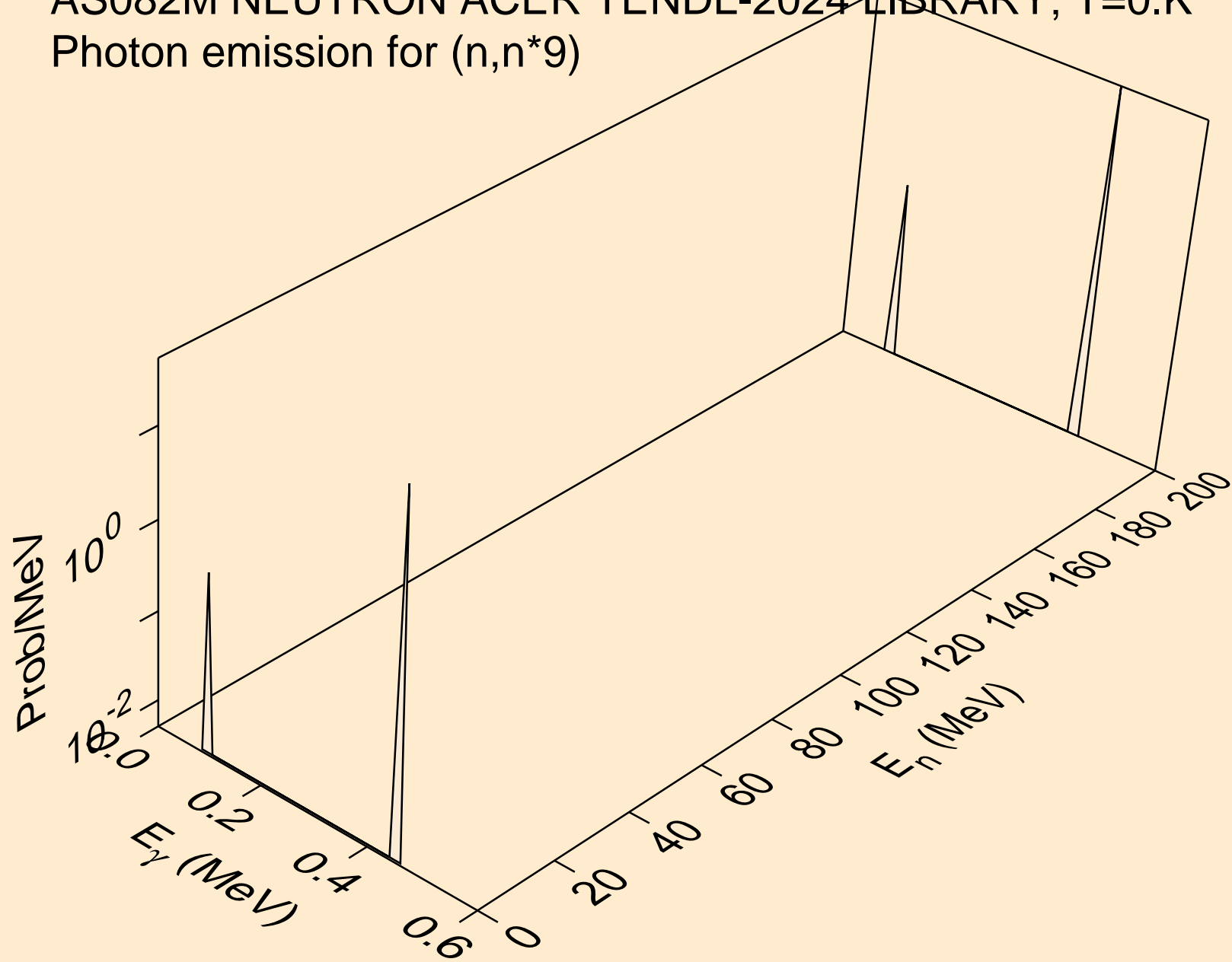
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Photon emission for (n,n\*7)



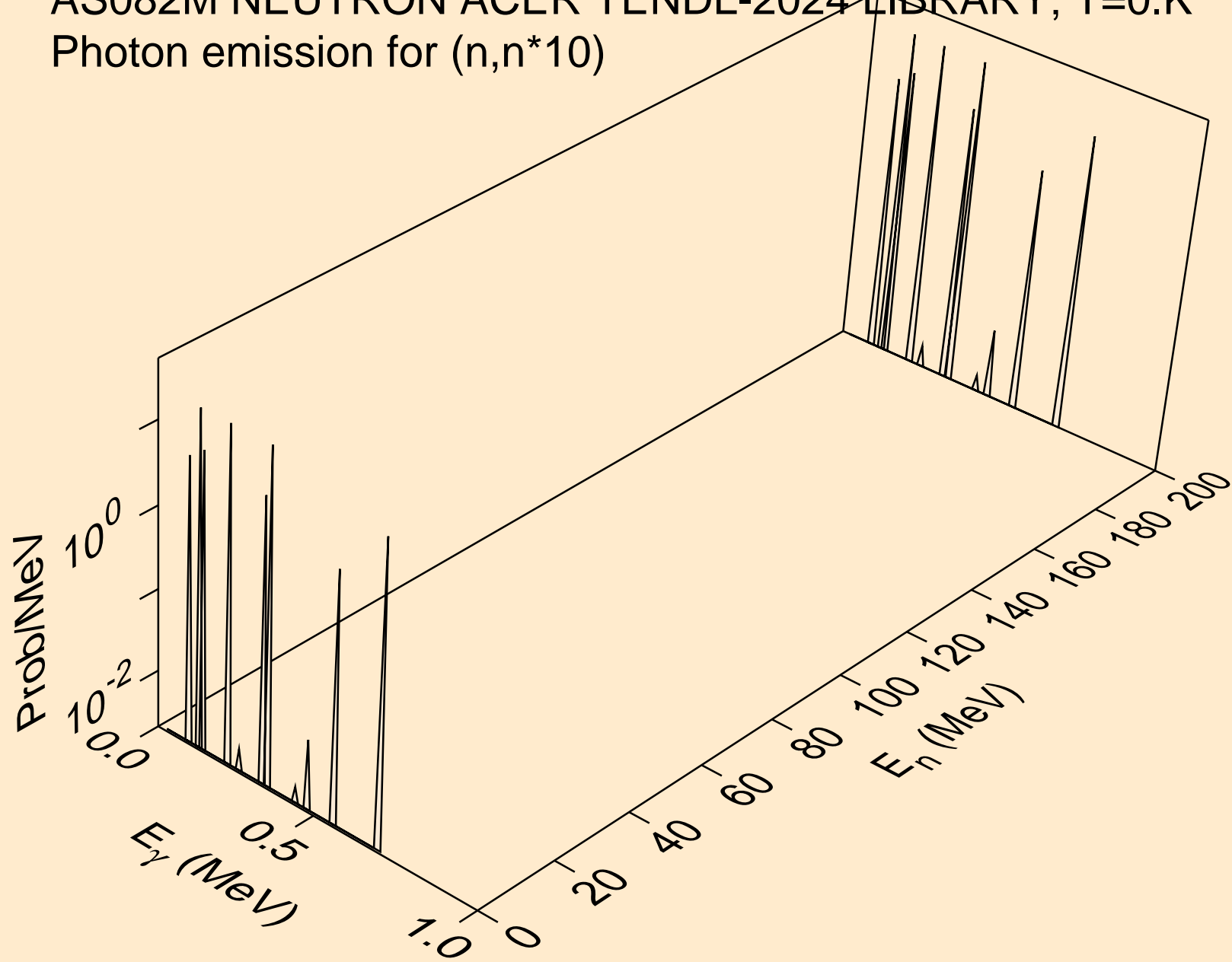
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Photon emission for (n,n\*8)



AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*9)

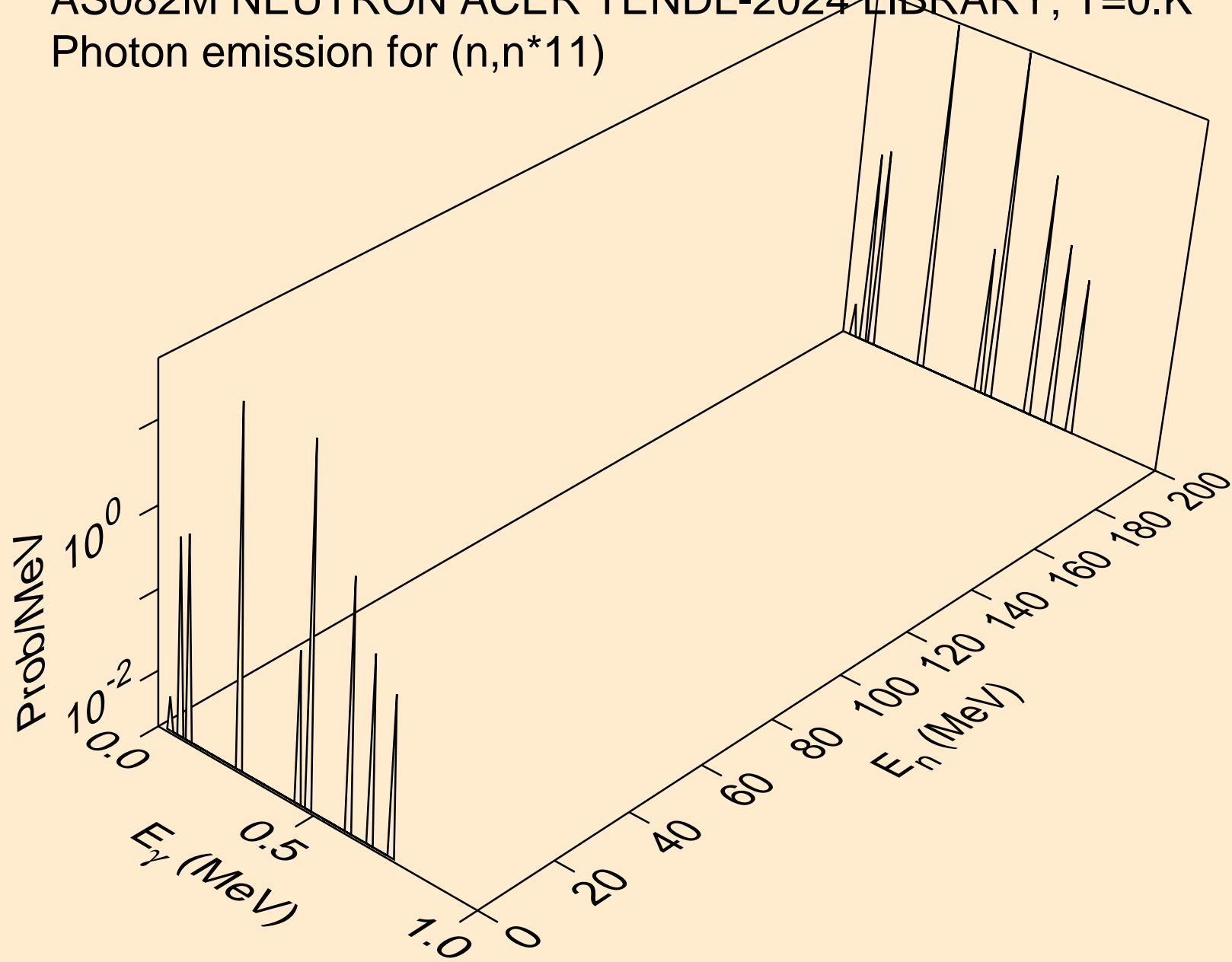


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Photon emission for (n,n\*10)

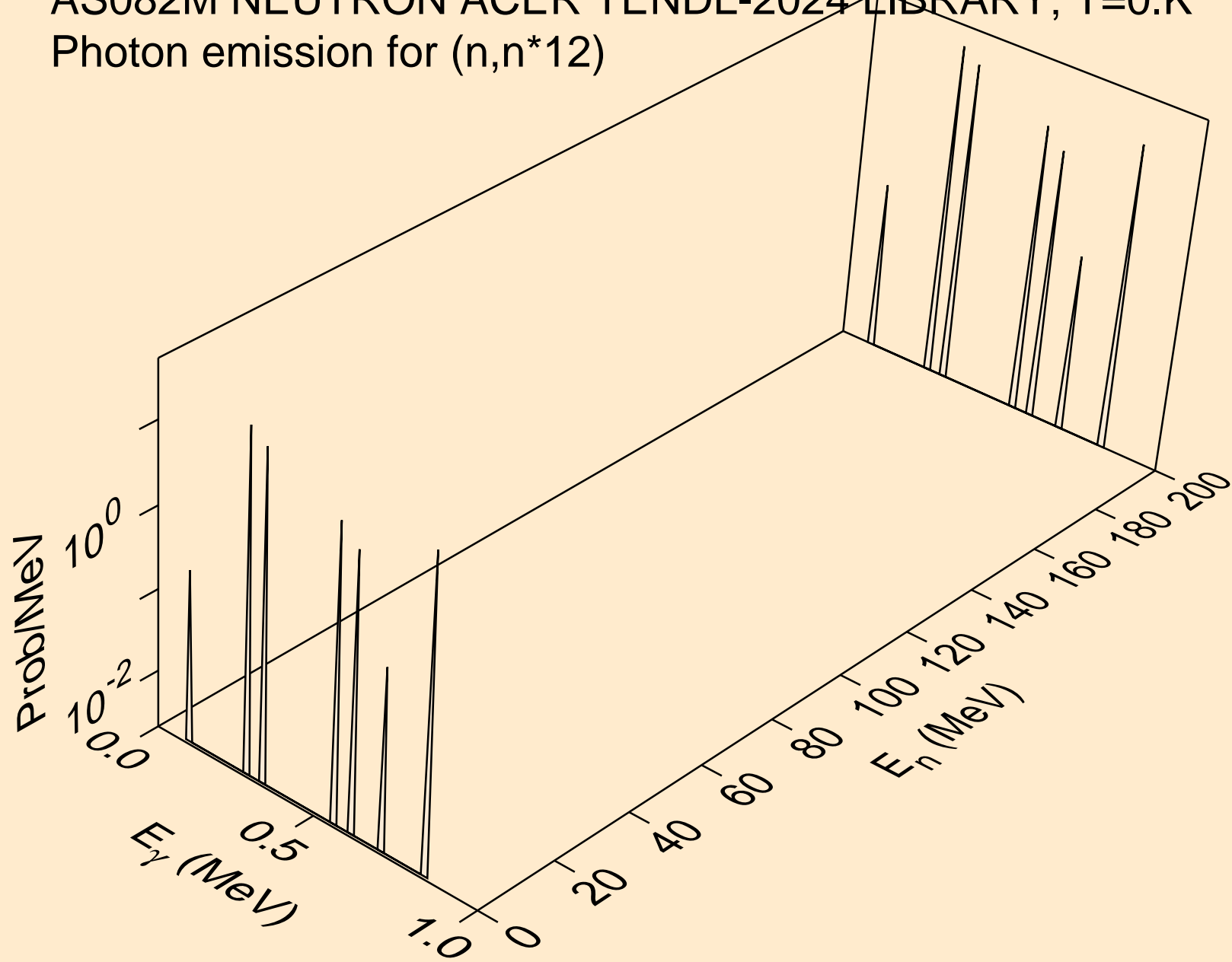




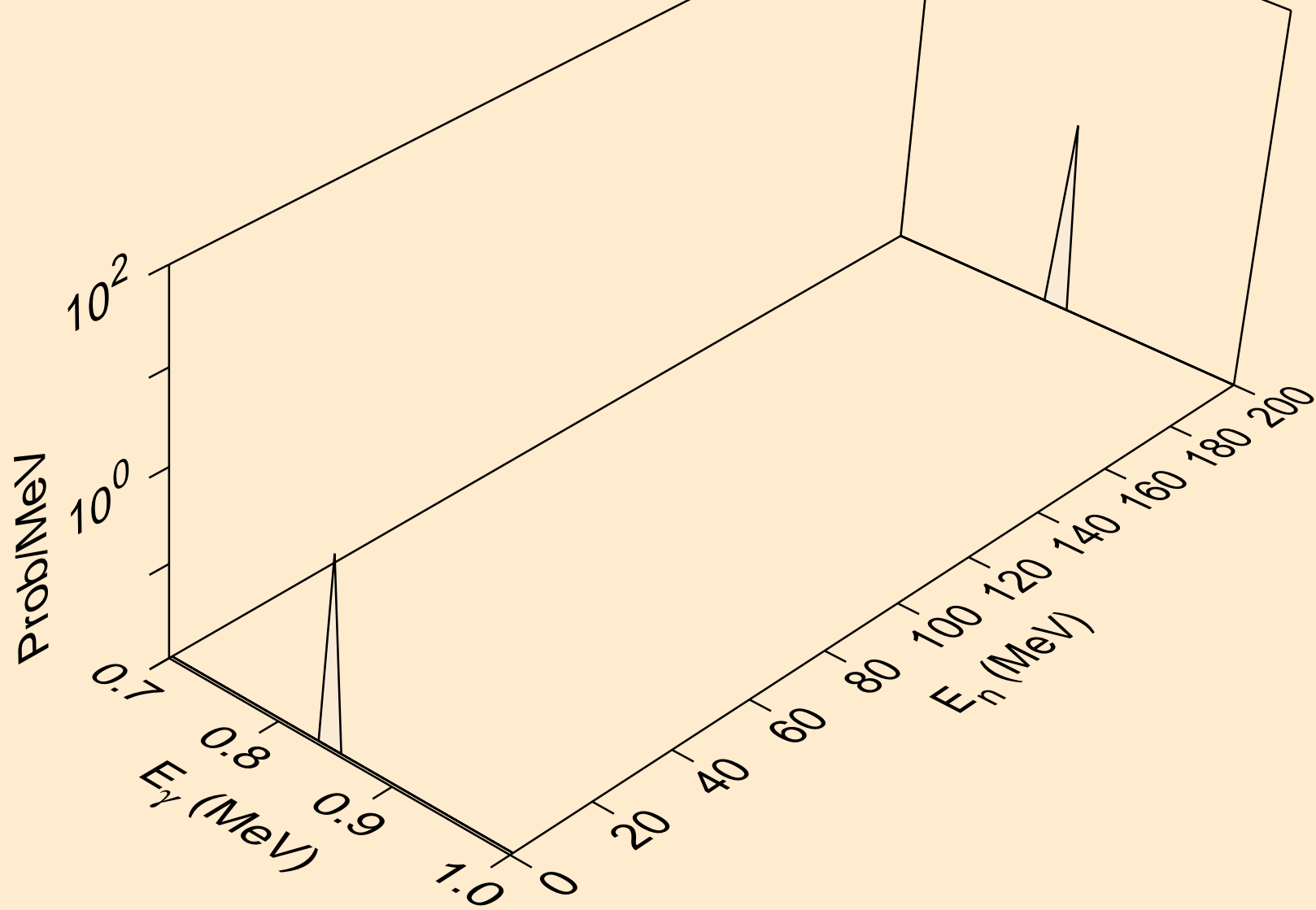
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Photon emission for (n,n\*11)



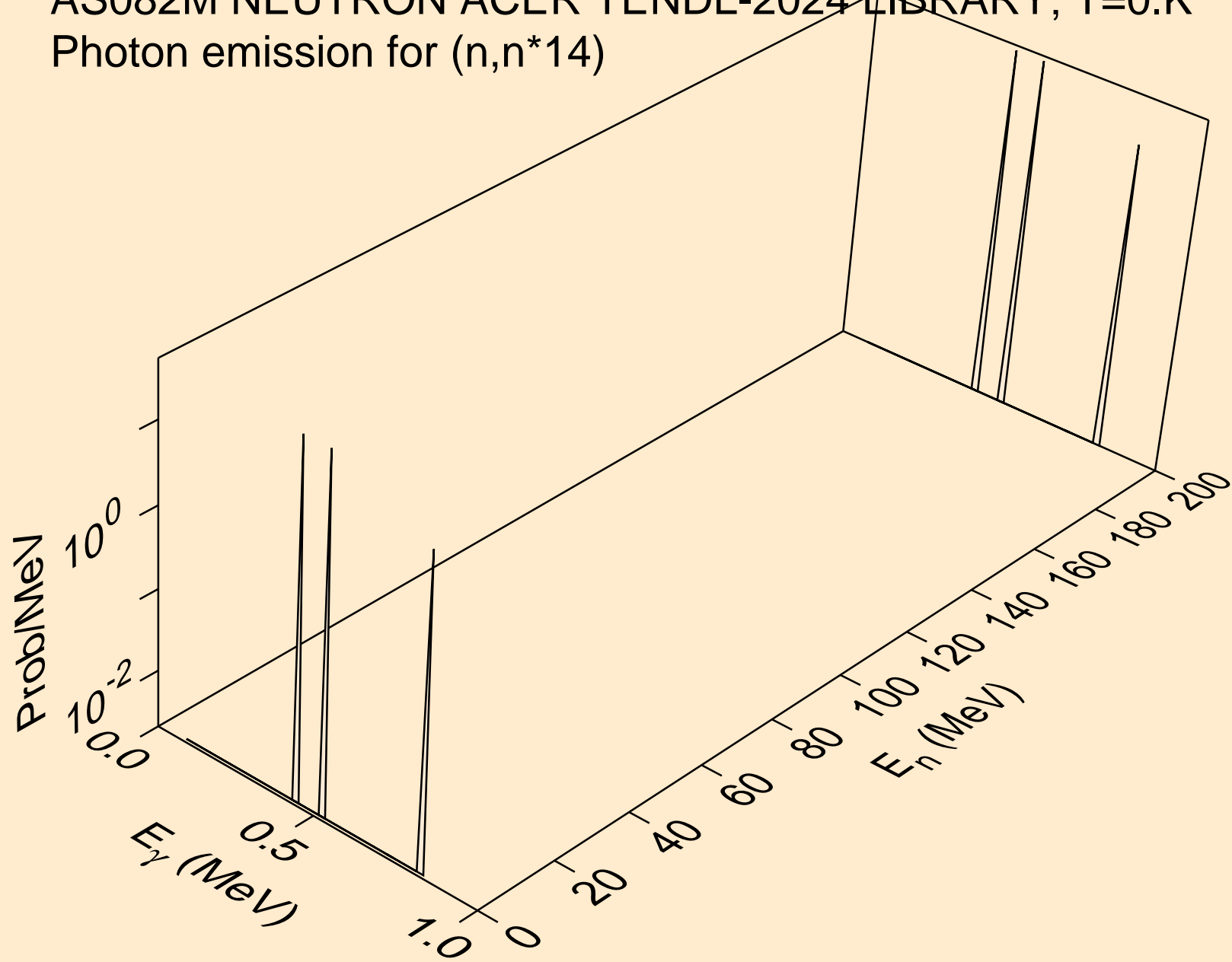
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Photon emission for (n,n\*12)



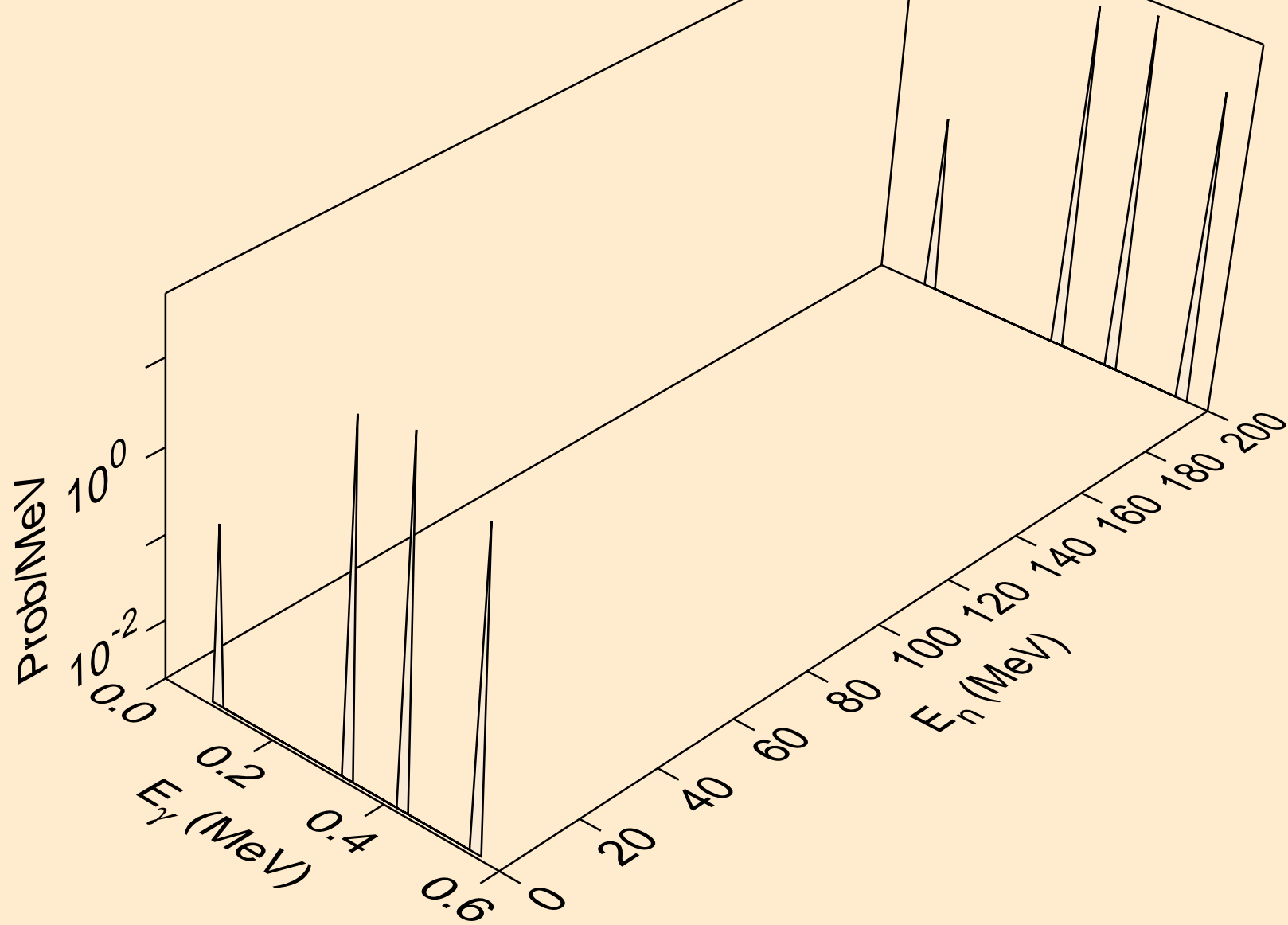
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Photon emission for (n,n\*13)



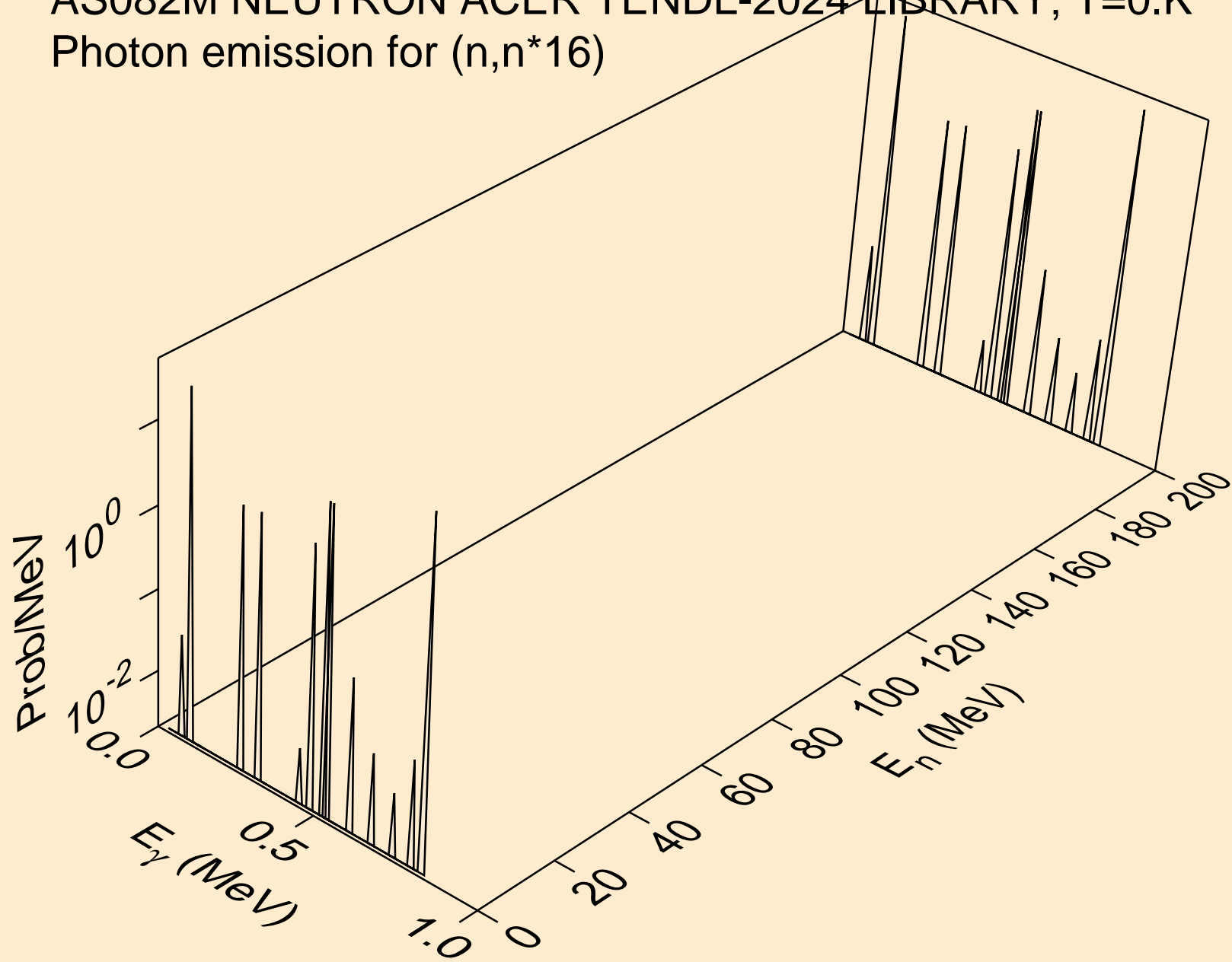
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Photon emission for (n,n\*14)



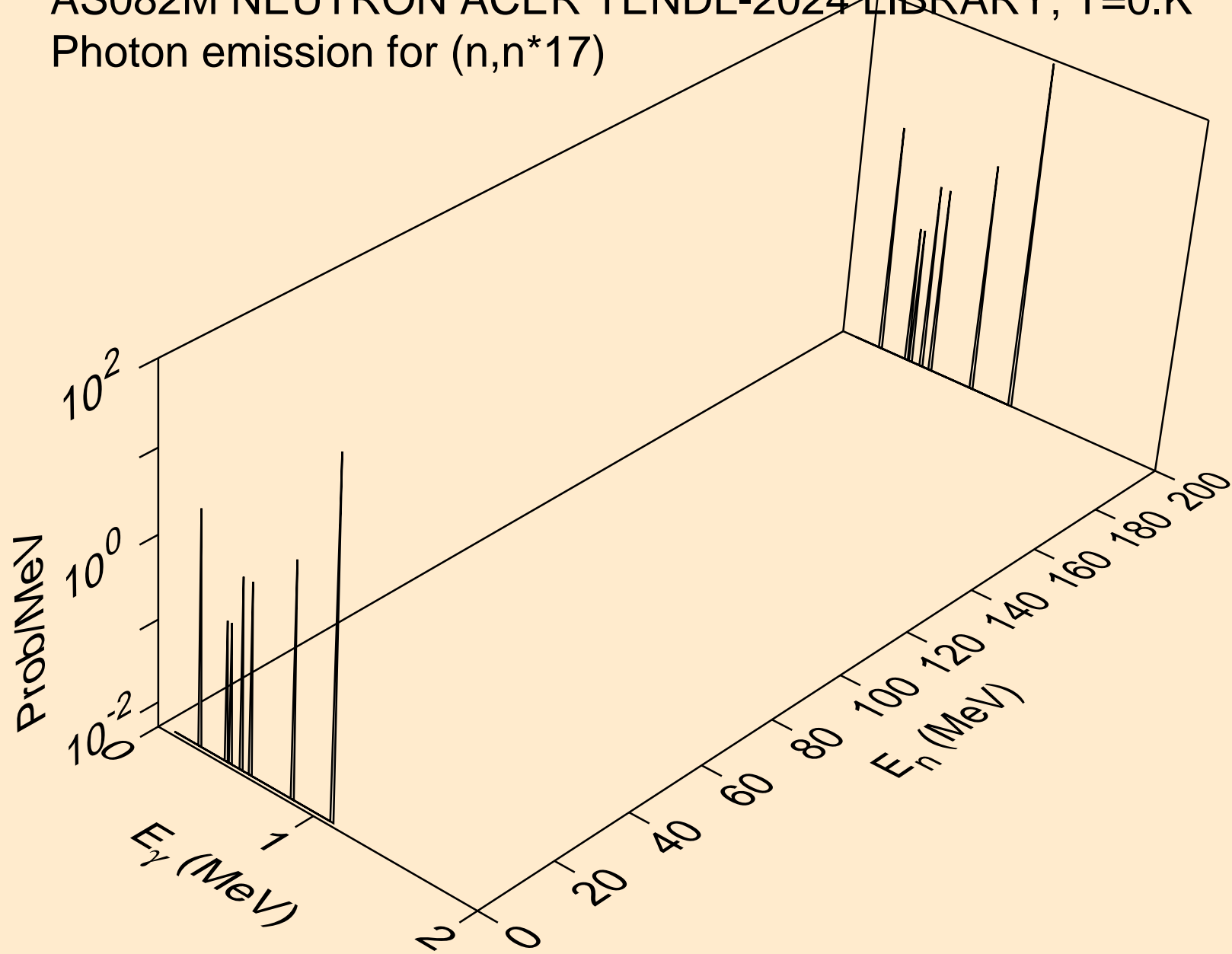
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Photon emission for (n,n\*15)



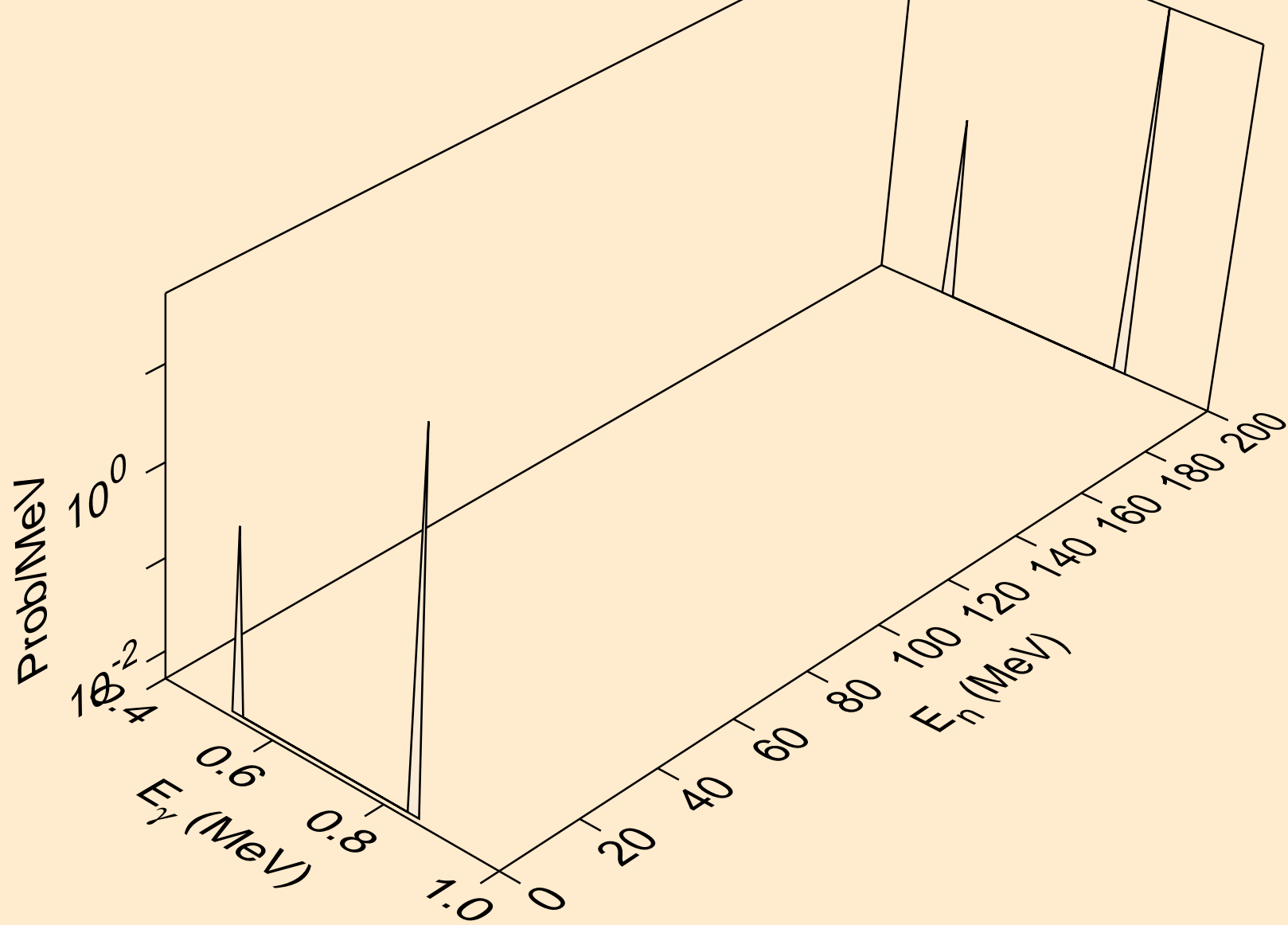
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Photon emission for (n,n\*16)



AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*17)

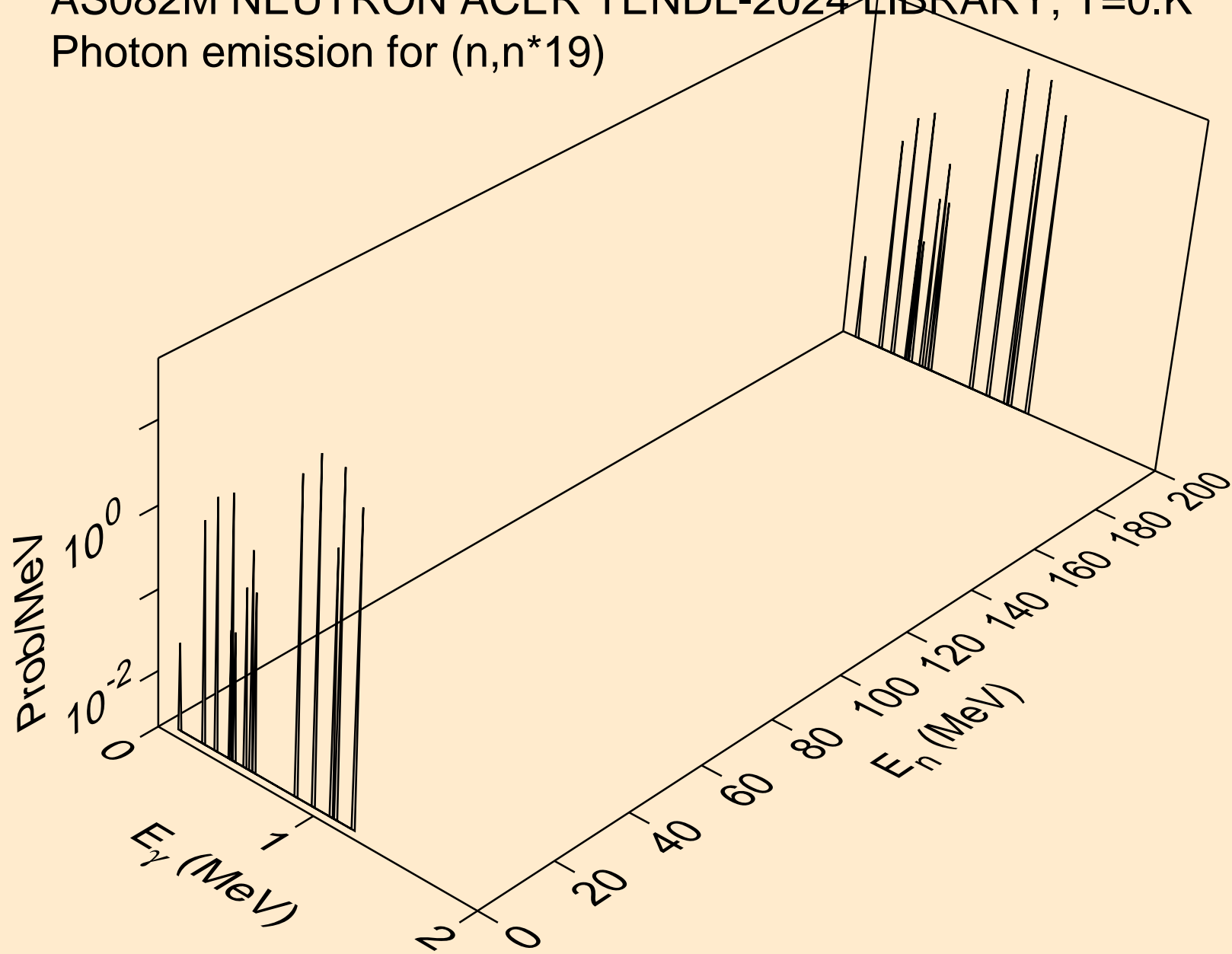


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Photon emission for (n,n\*18)

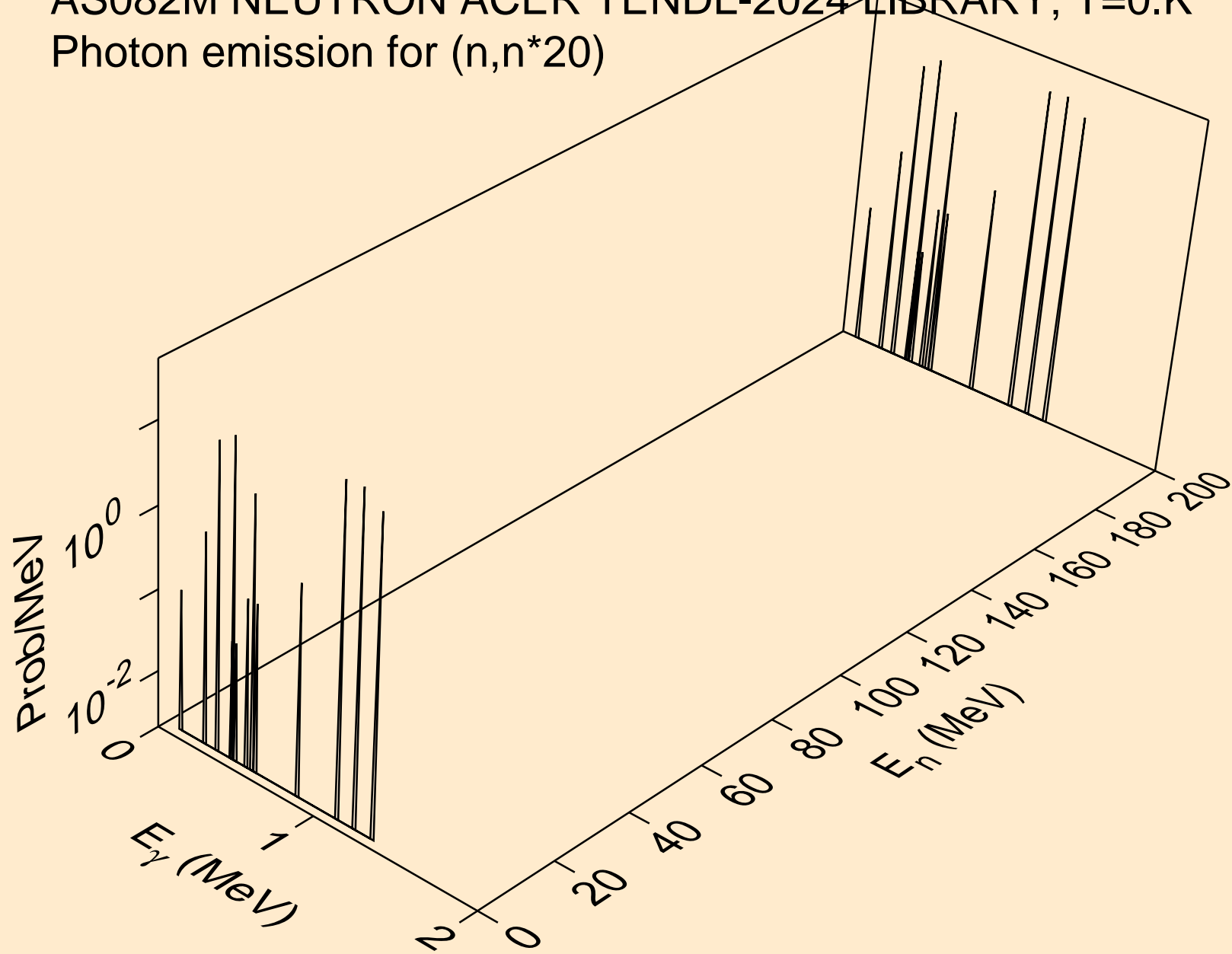




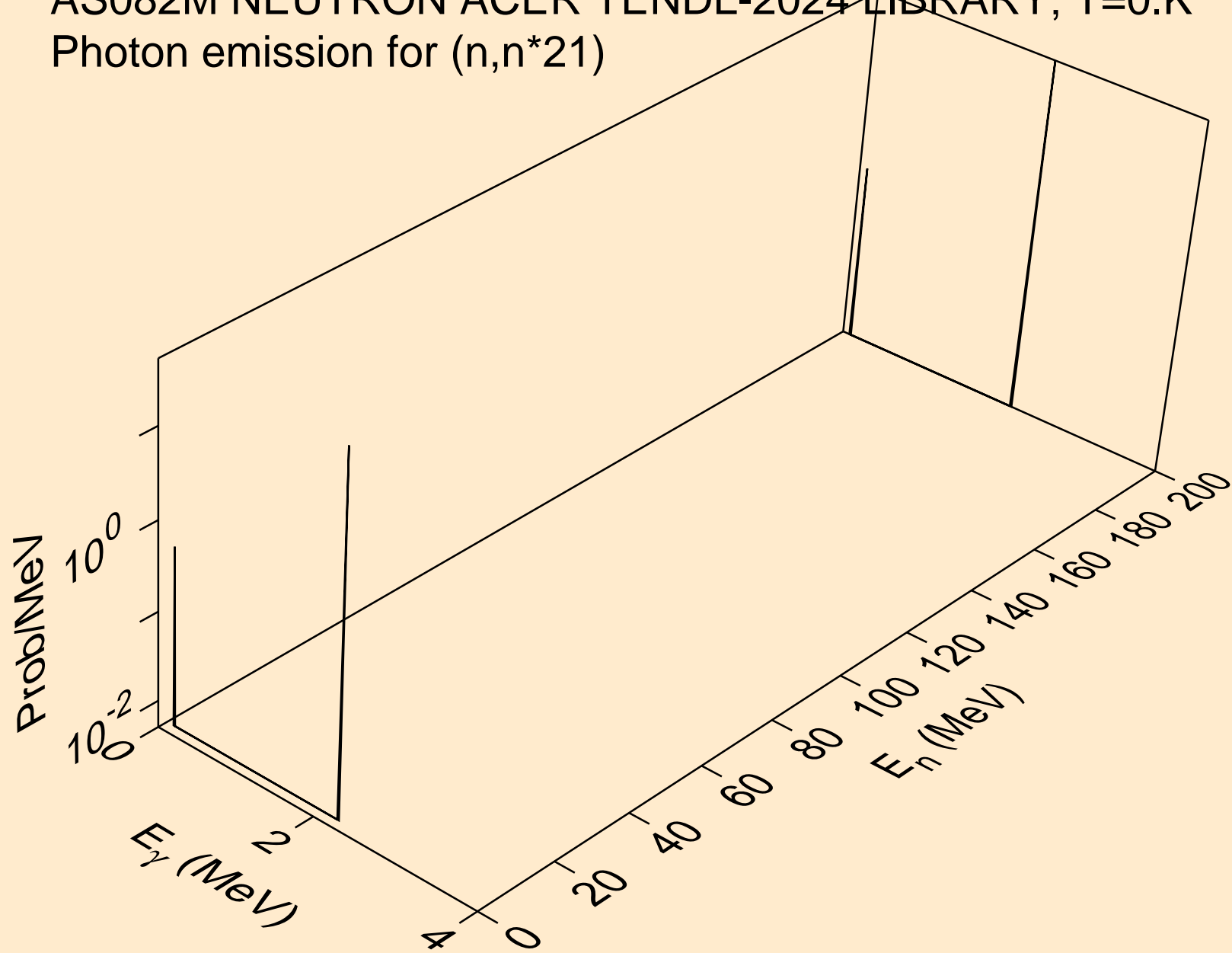
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Photon emission for (n,n\*19)



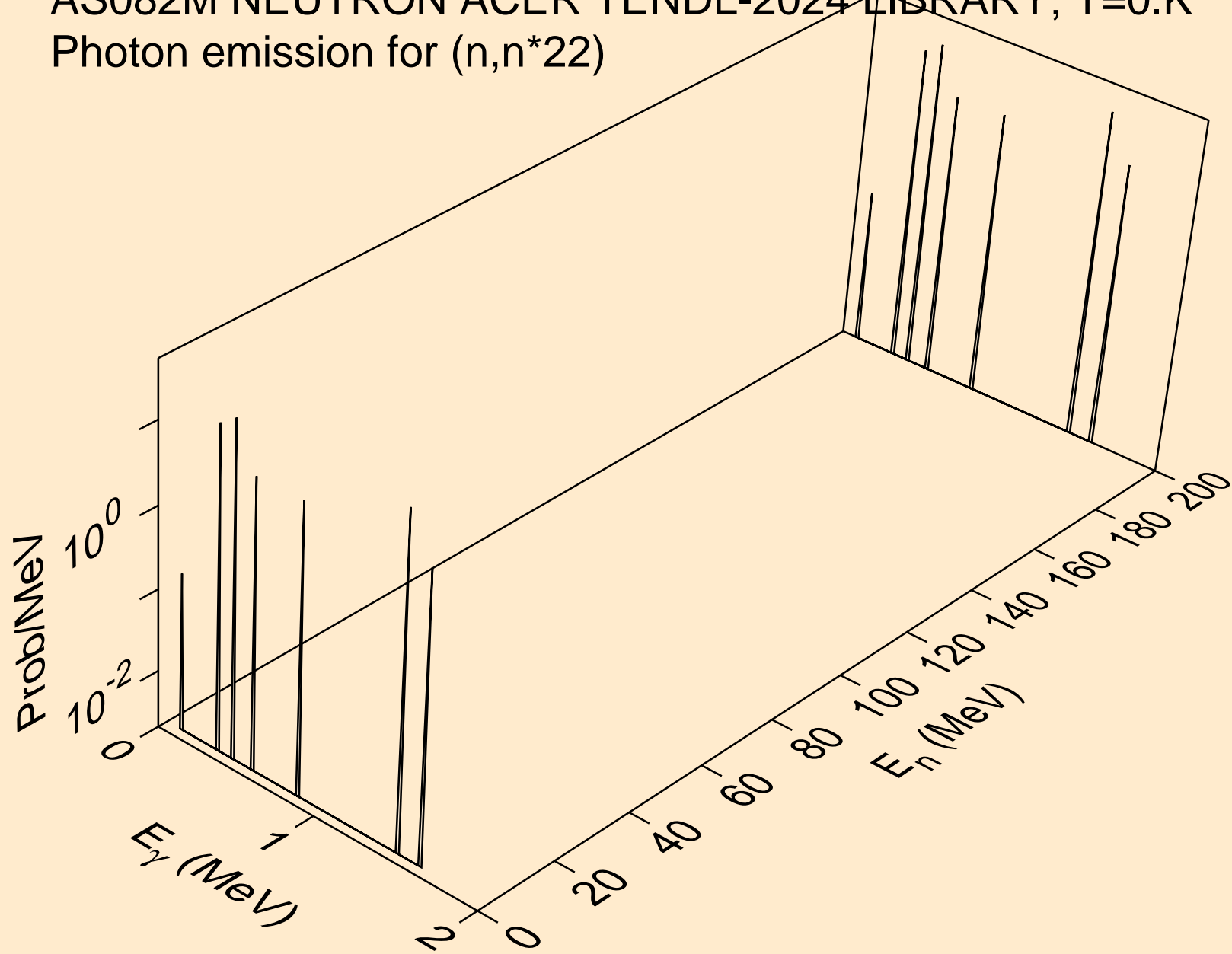
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Photon emission for (n,n\*20)



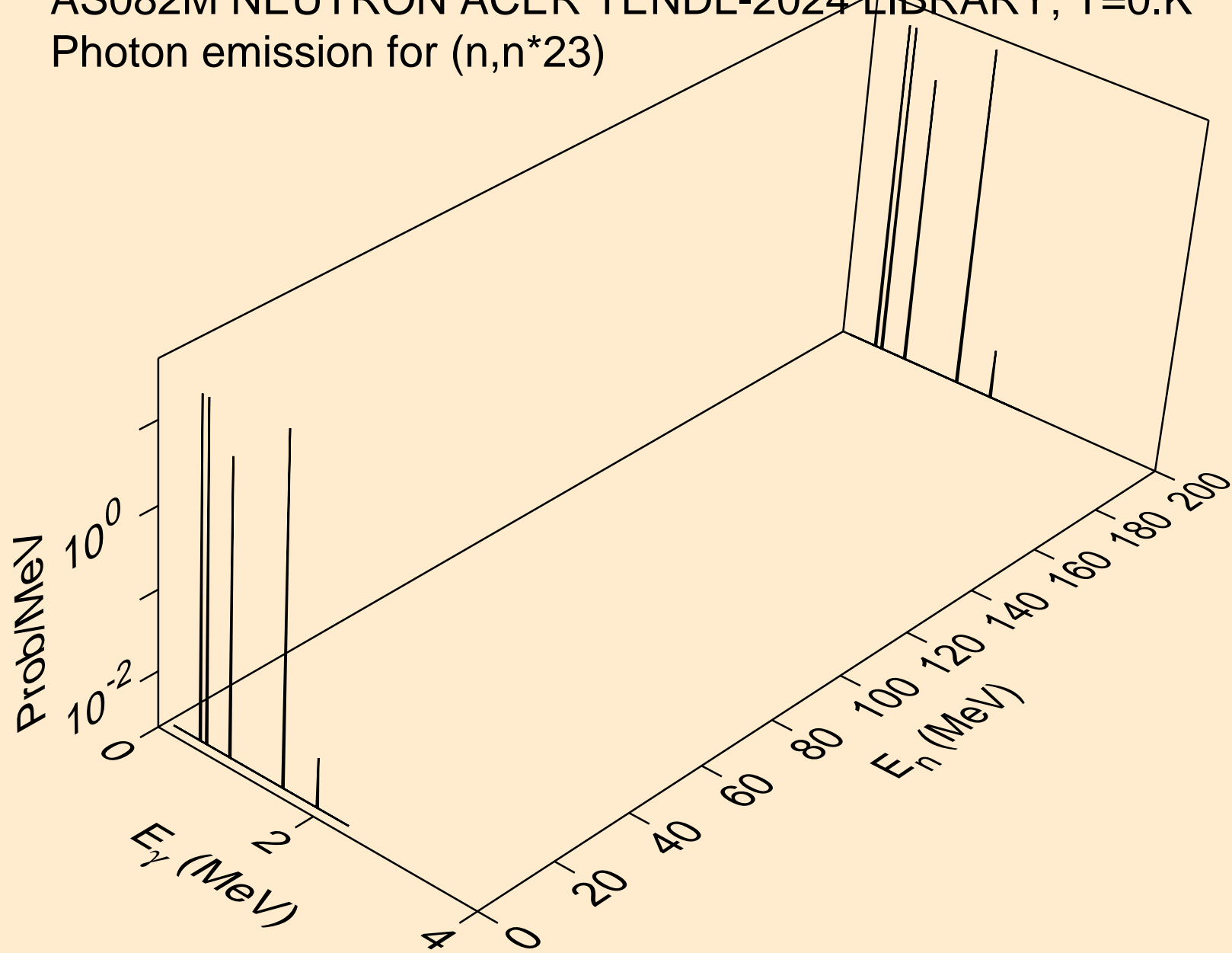
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Photon emission for (n,n\*21)



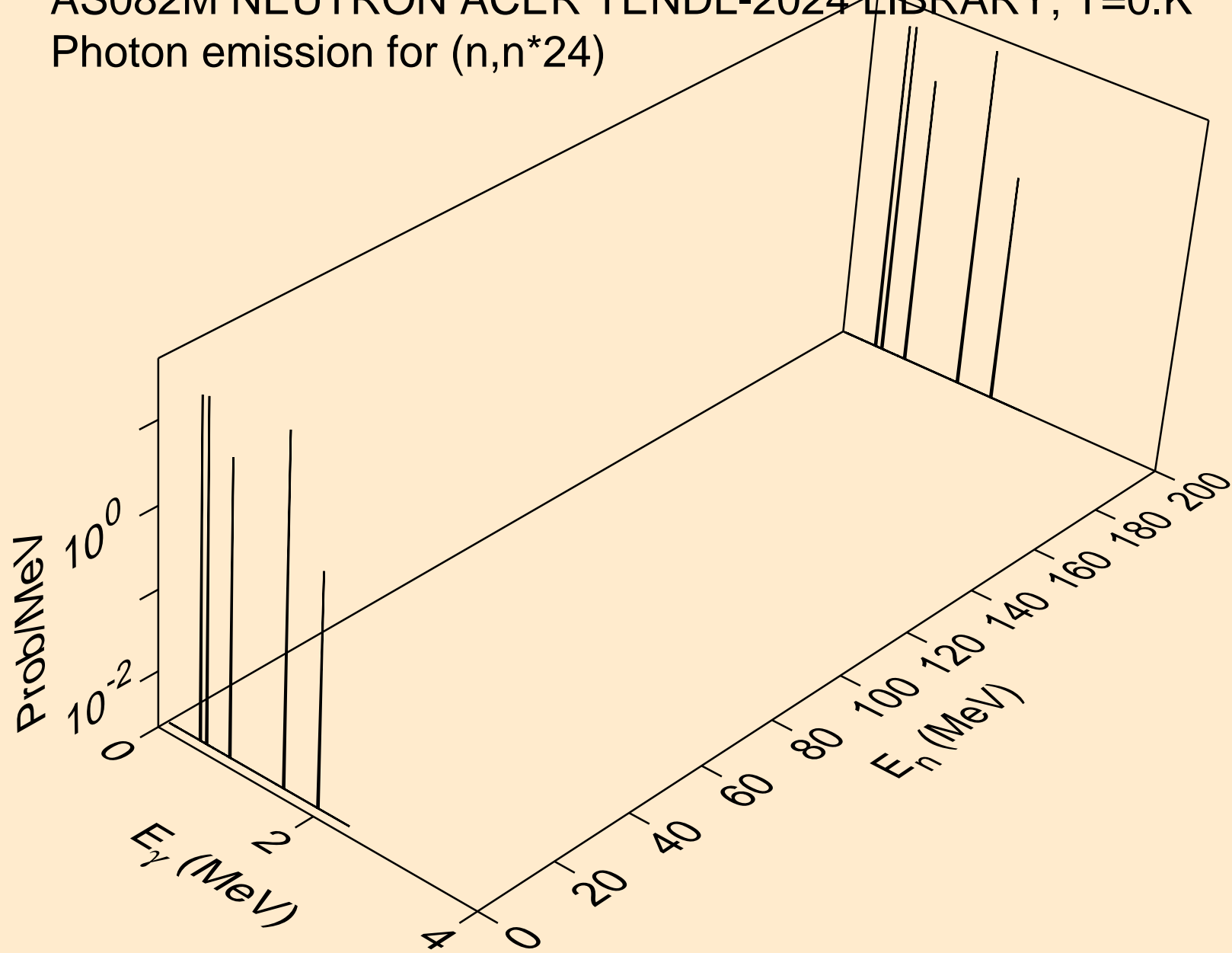
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Photon emission for (n,n\*22)



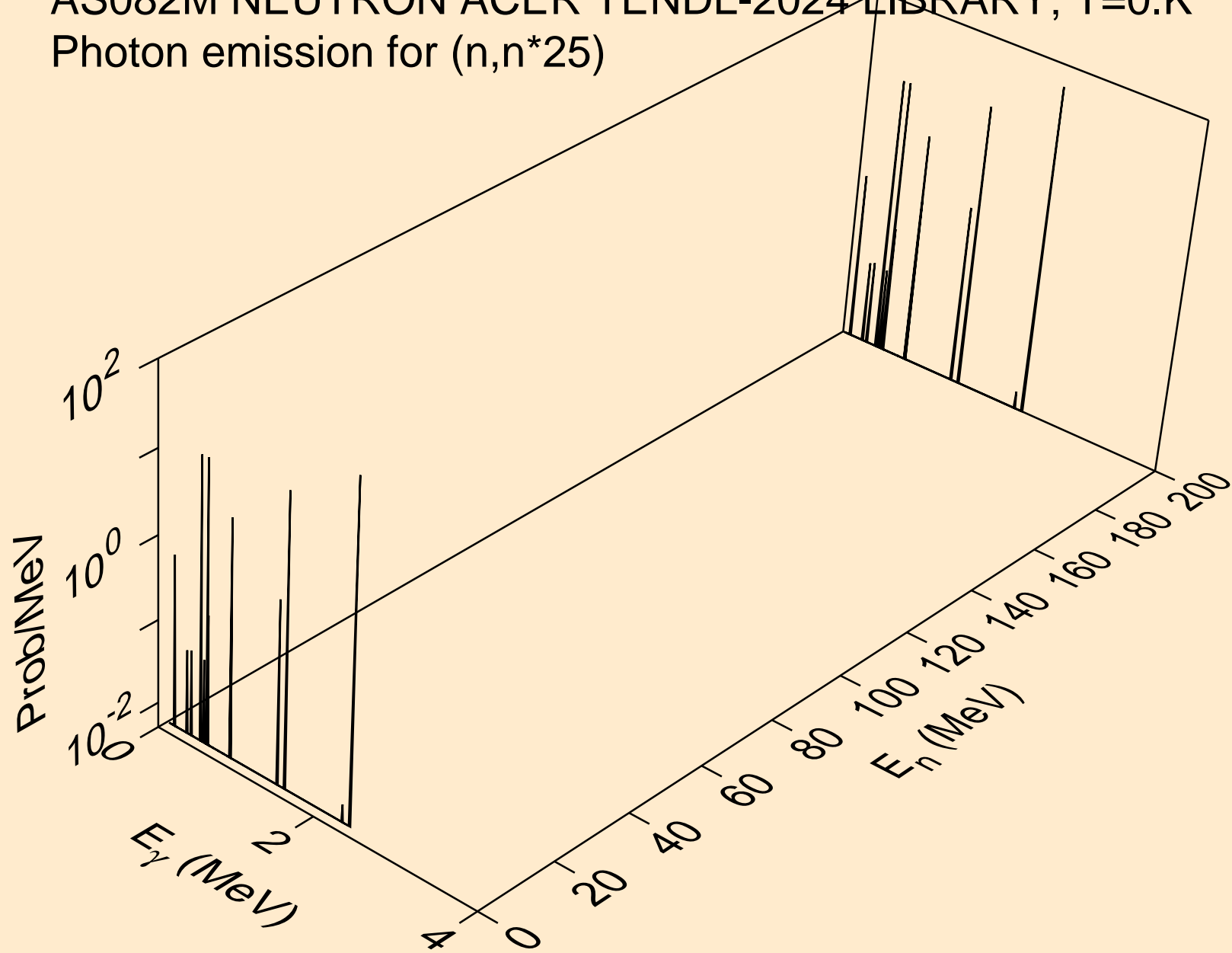
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Photon emission for (n,n\*23)



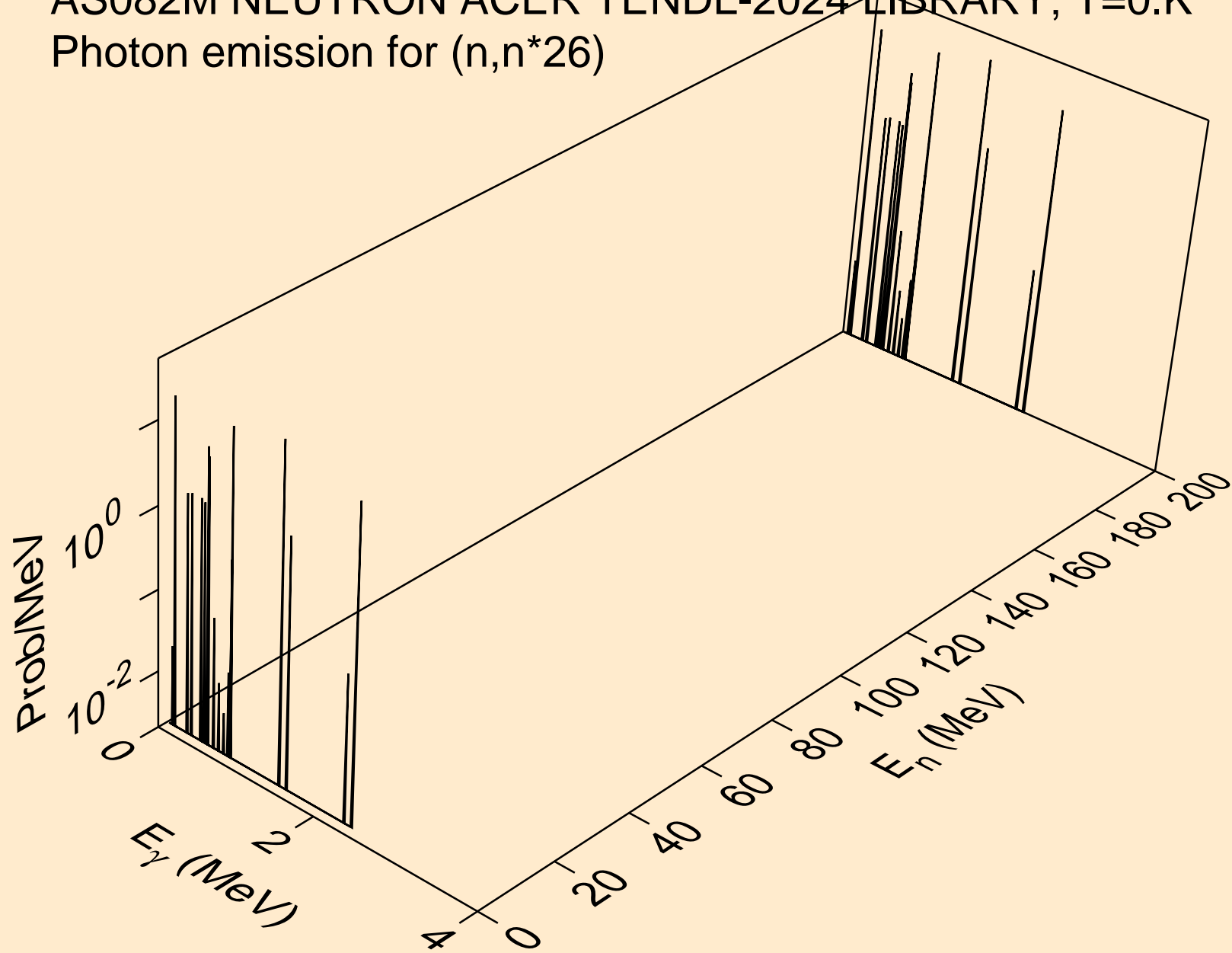
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Photon emission for (n,n\*24)



AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*25)

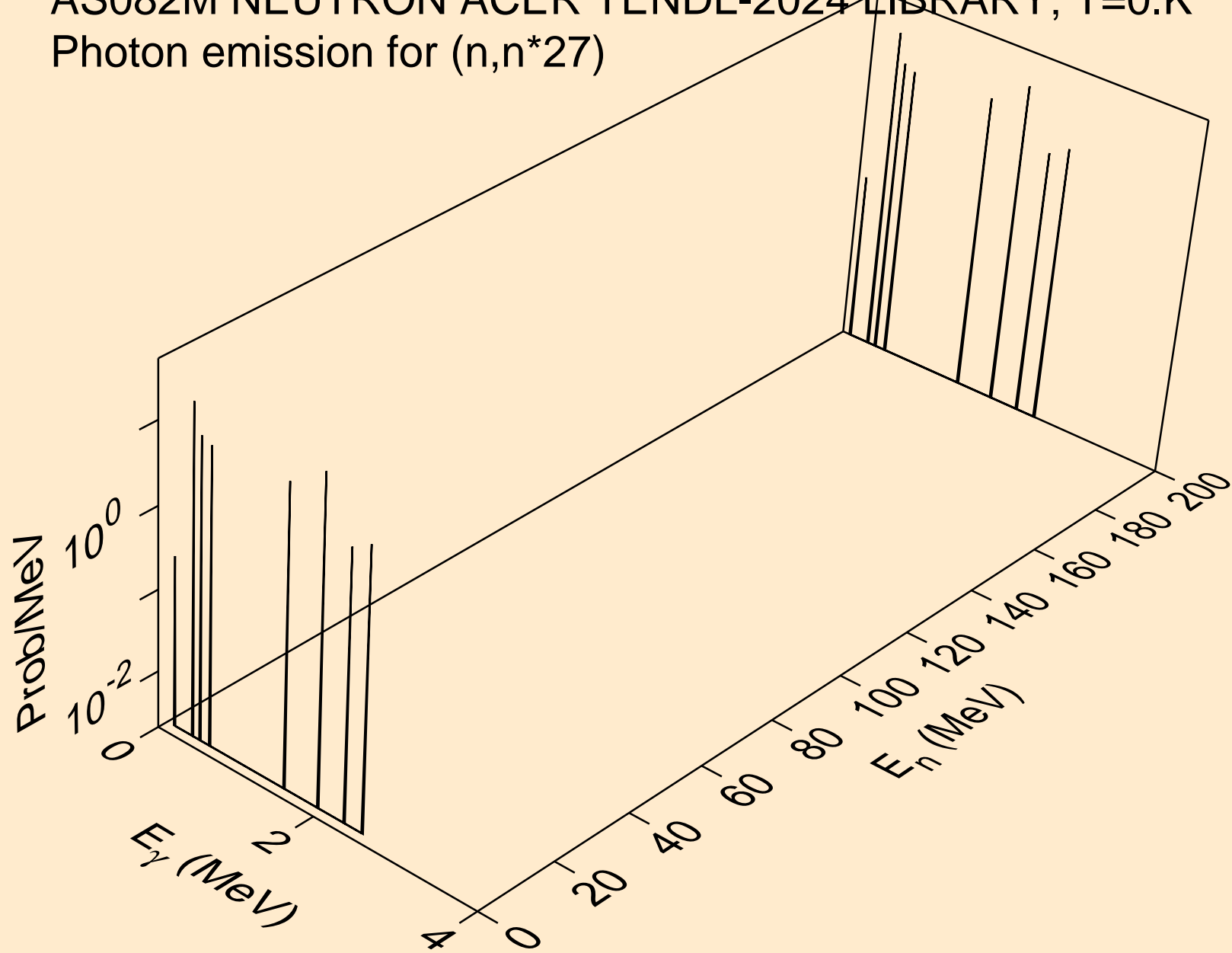


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Photon emission for (n,n\*26)

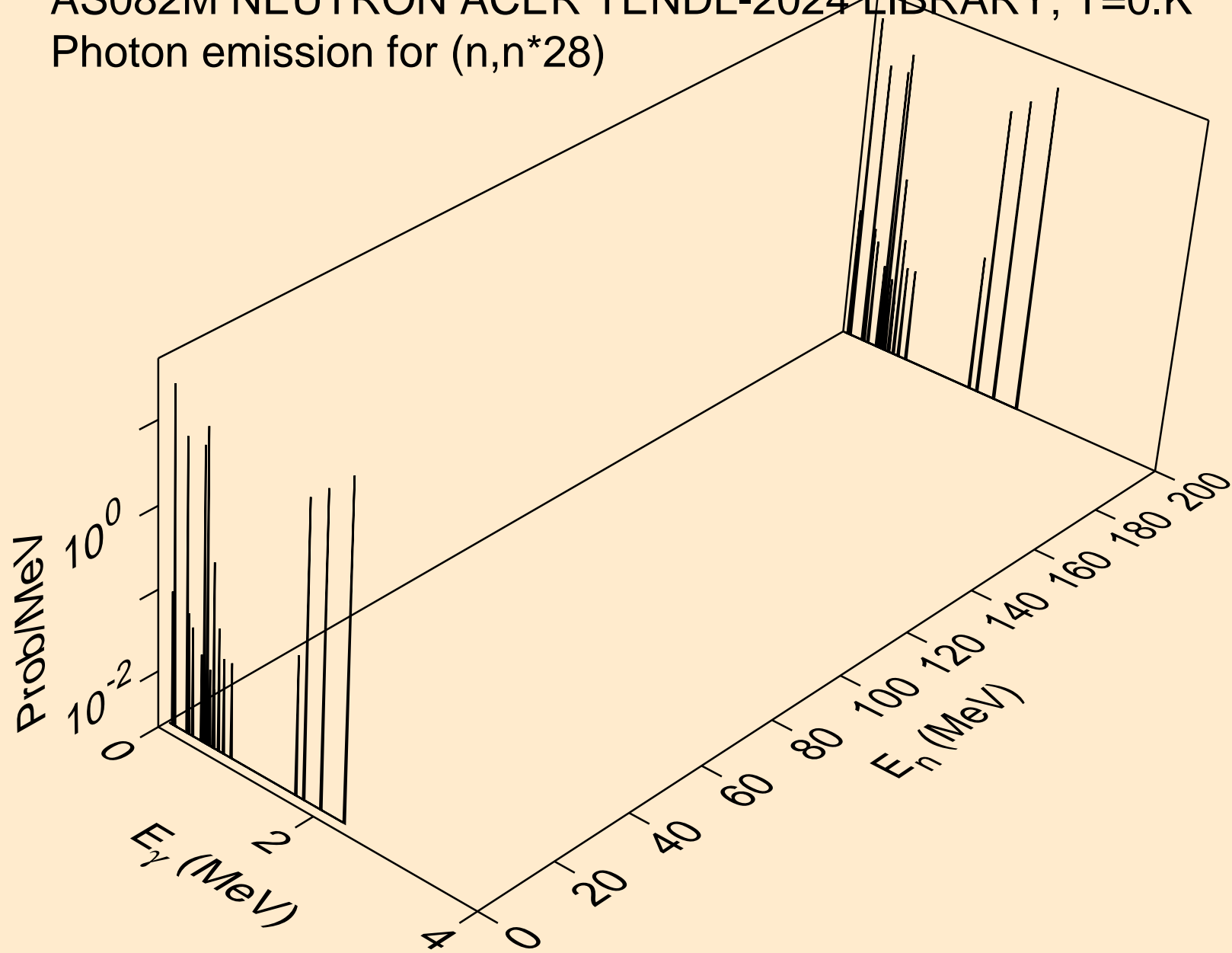




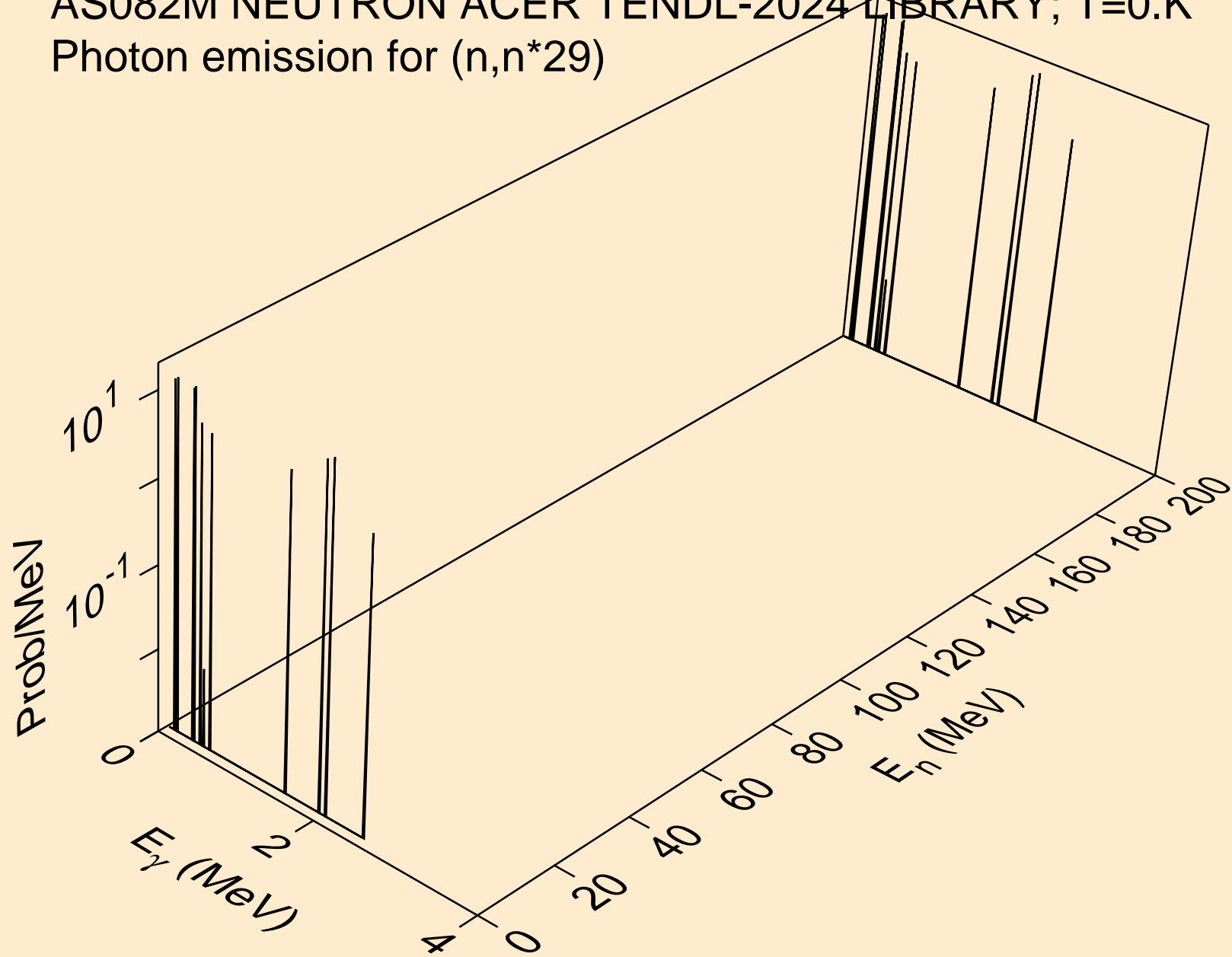
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Photon emission for (n,n\*27)



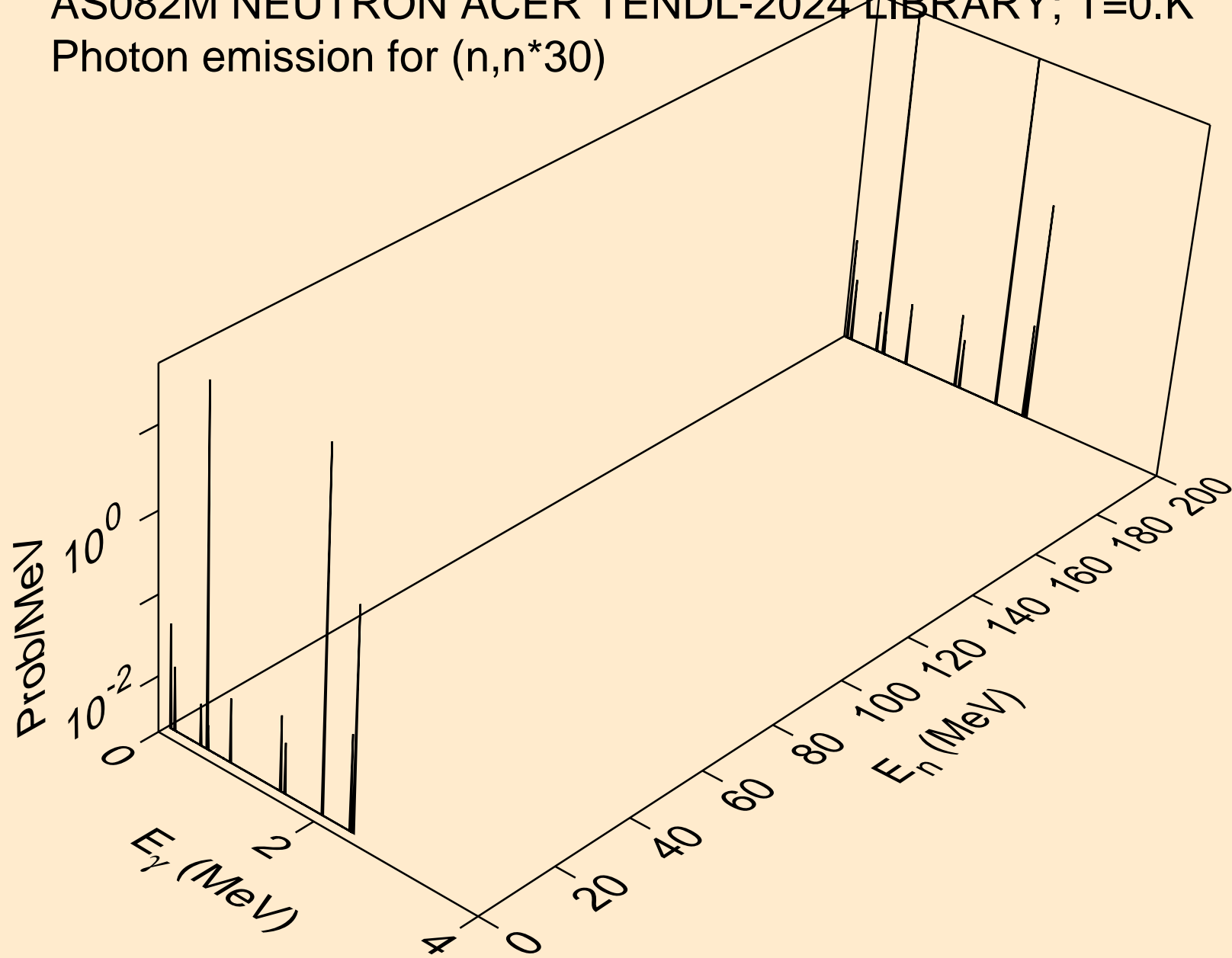
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Photon emission for (n,n\*28)



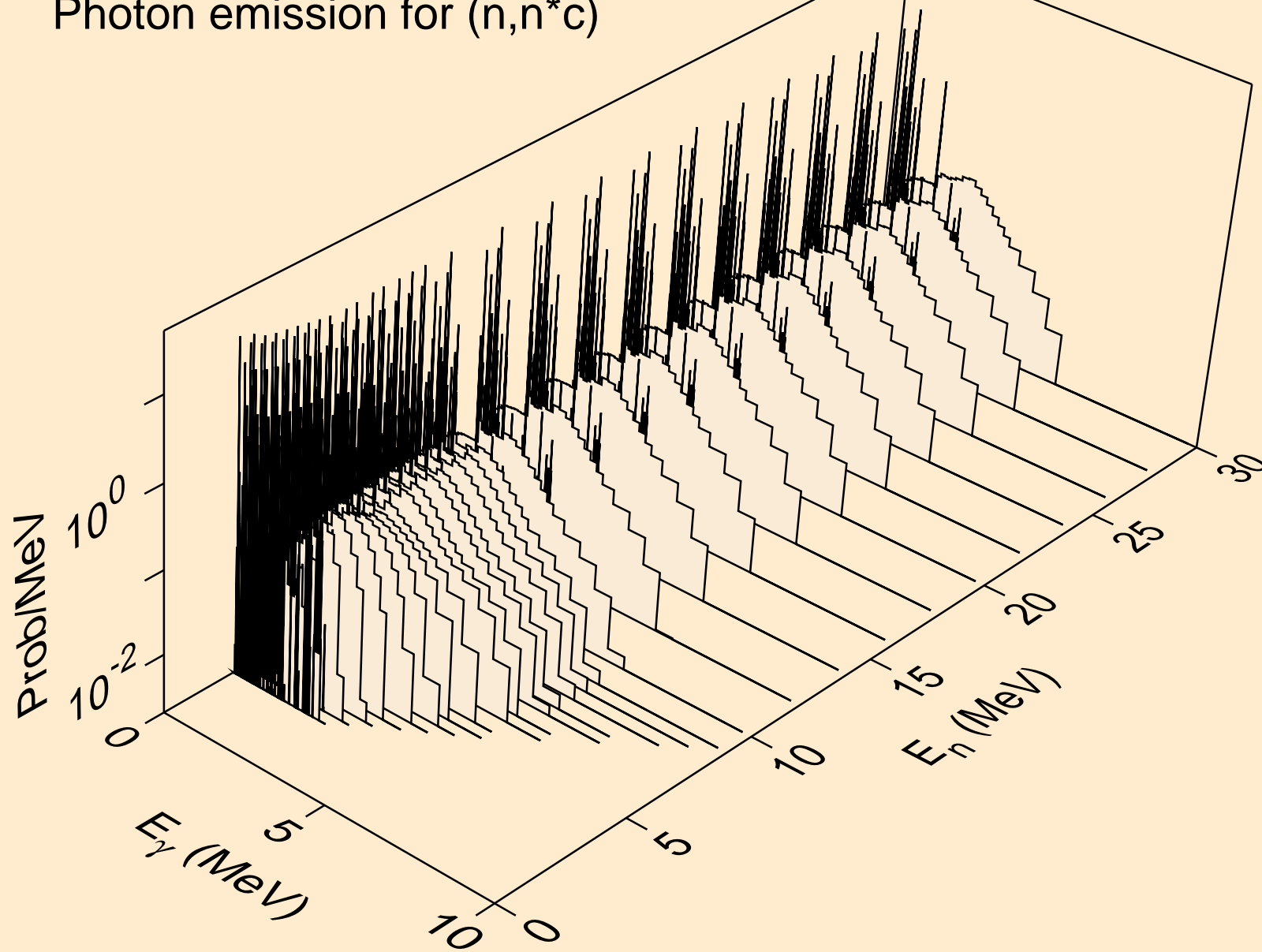
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Photon emission for (n,n\*29)



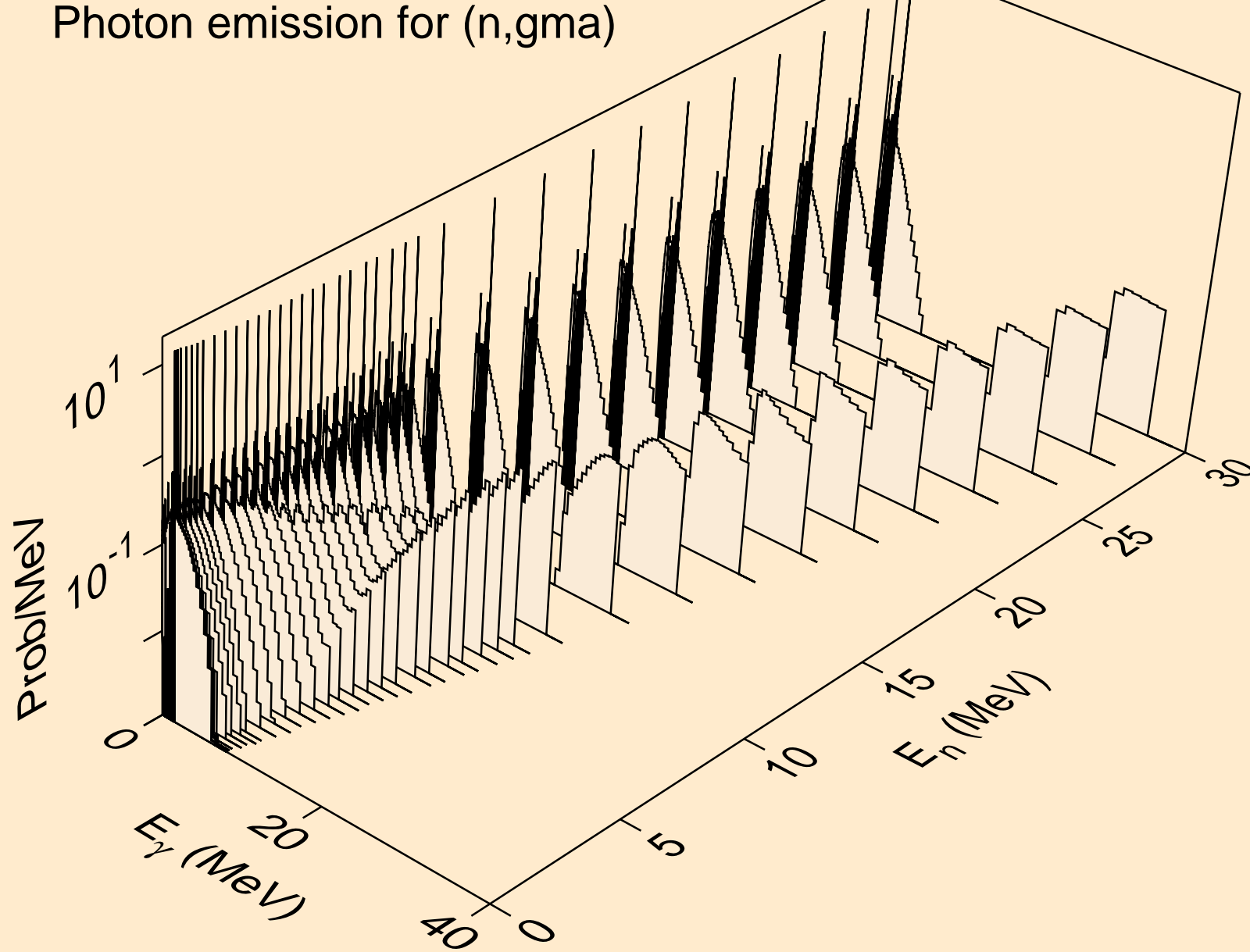
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Photon emission for (n,n\*30)



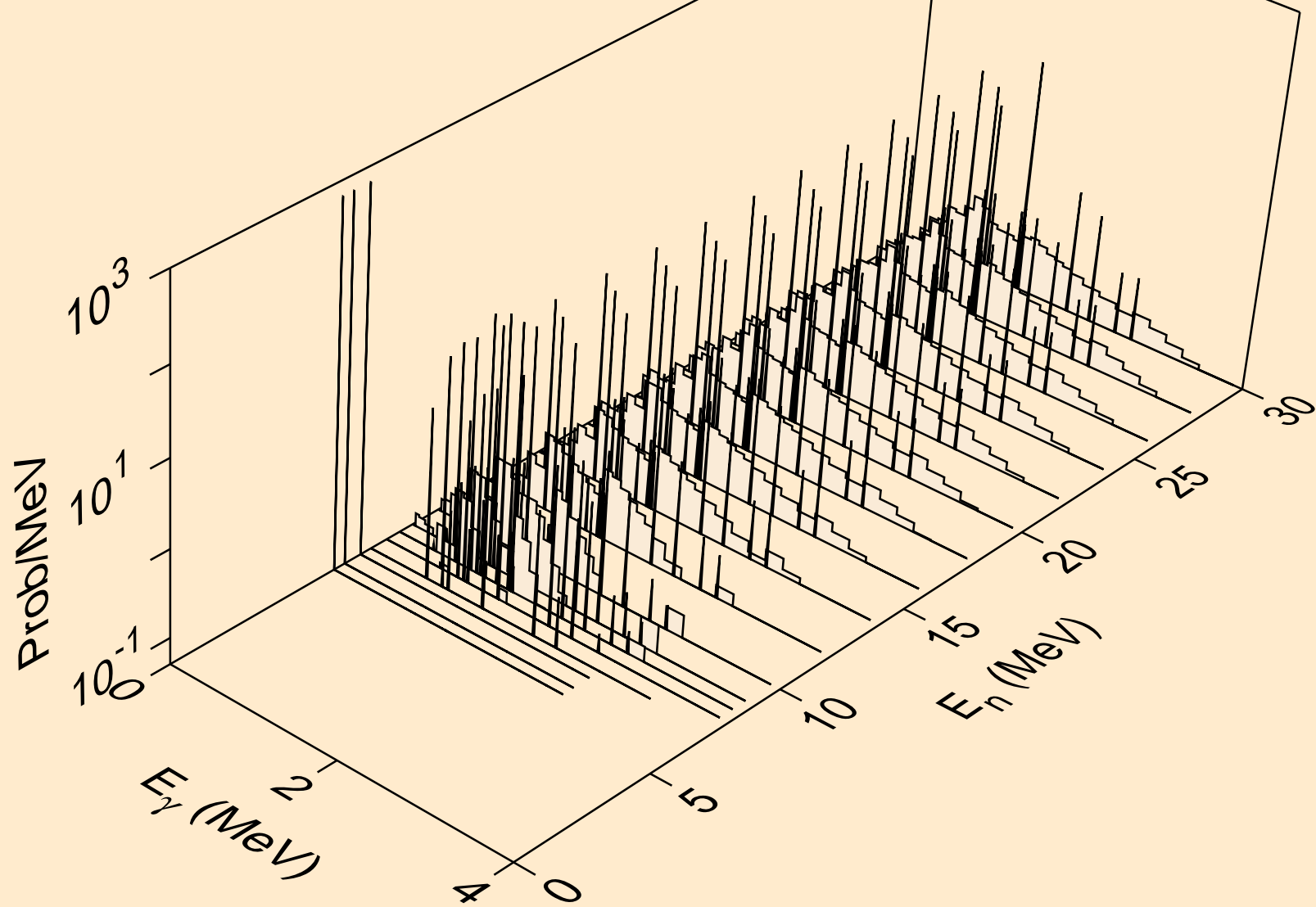
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Photon emission for (n,n\*c)



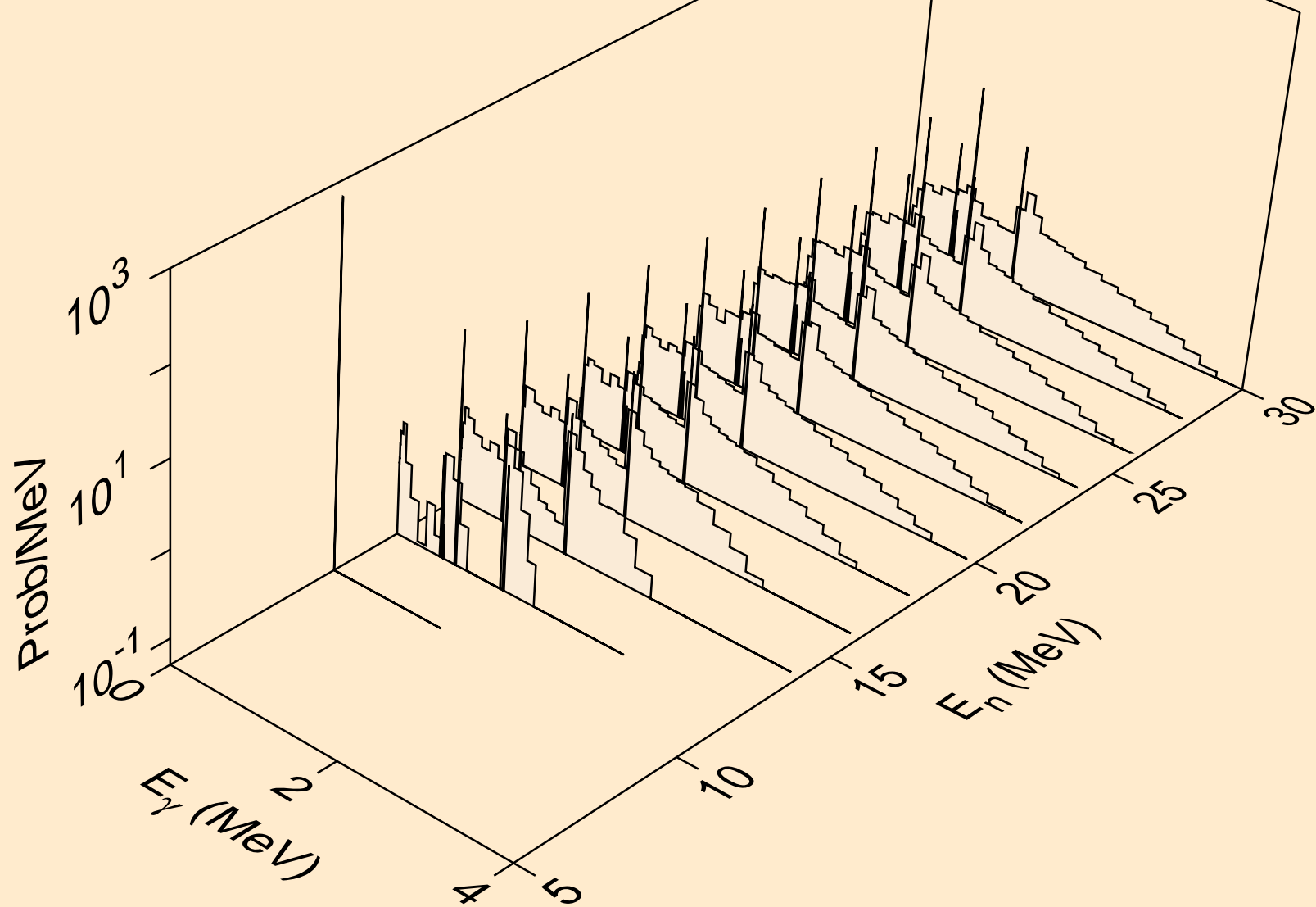
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Photon emission for (n,gma)



AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)

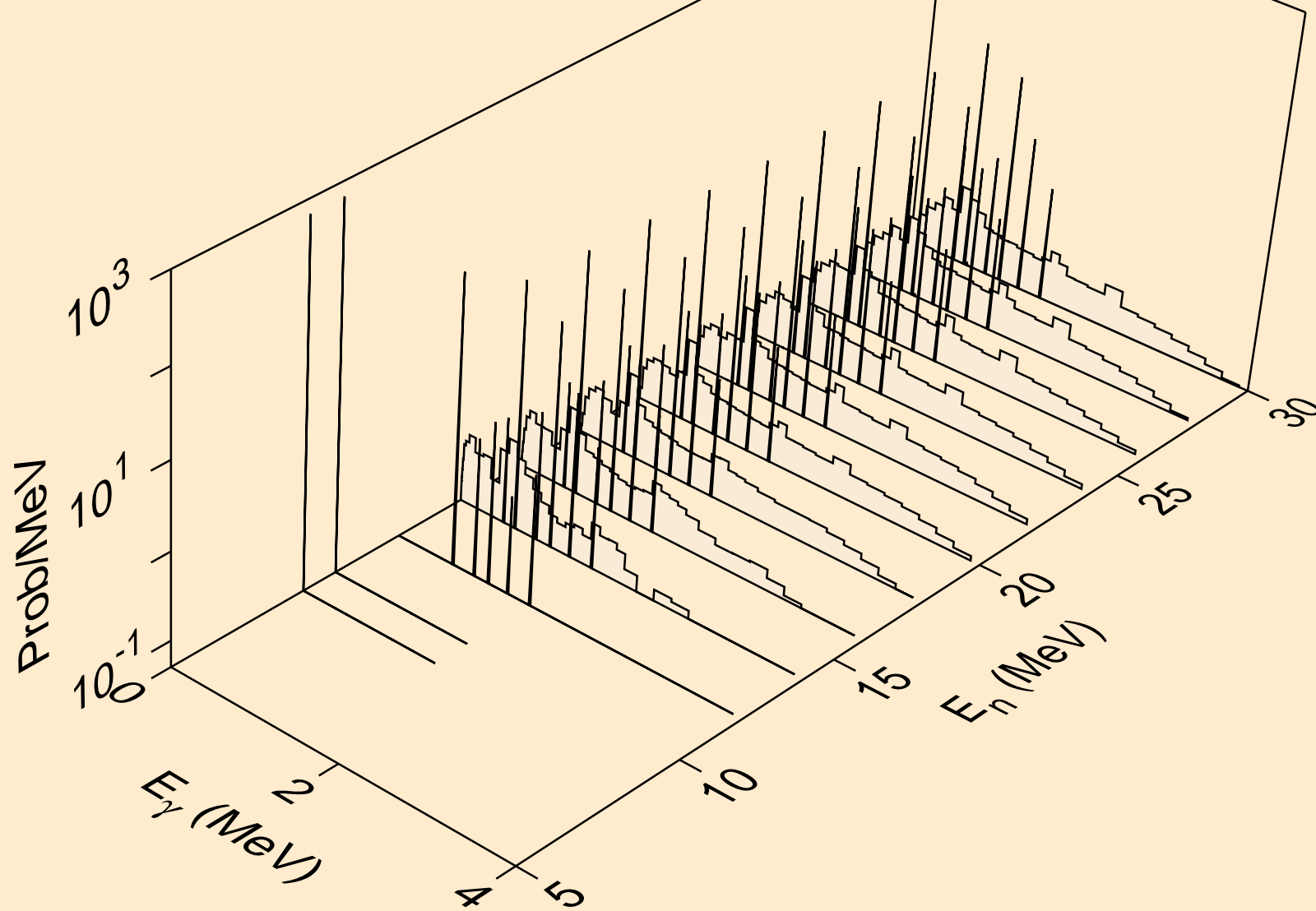


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Photon emission for (n,d)

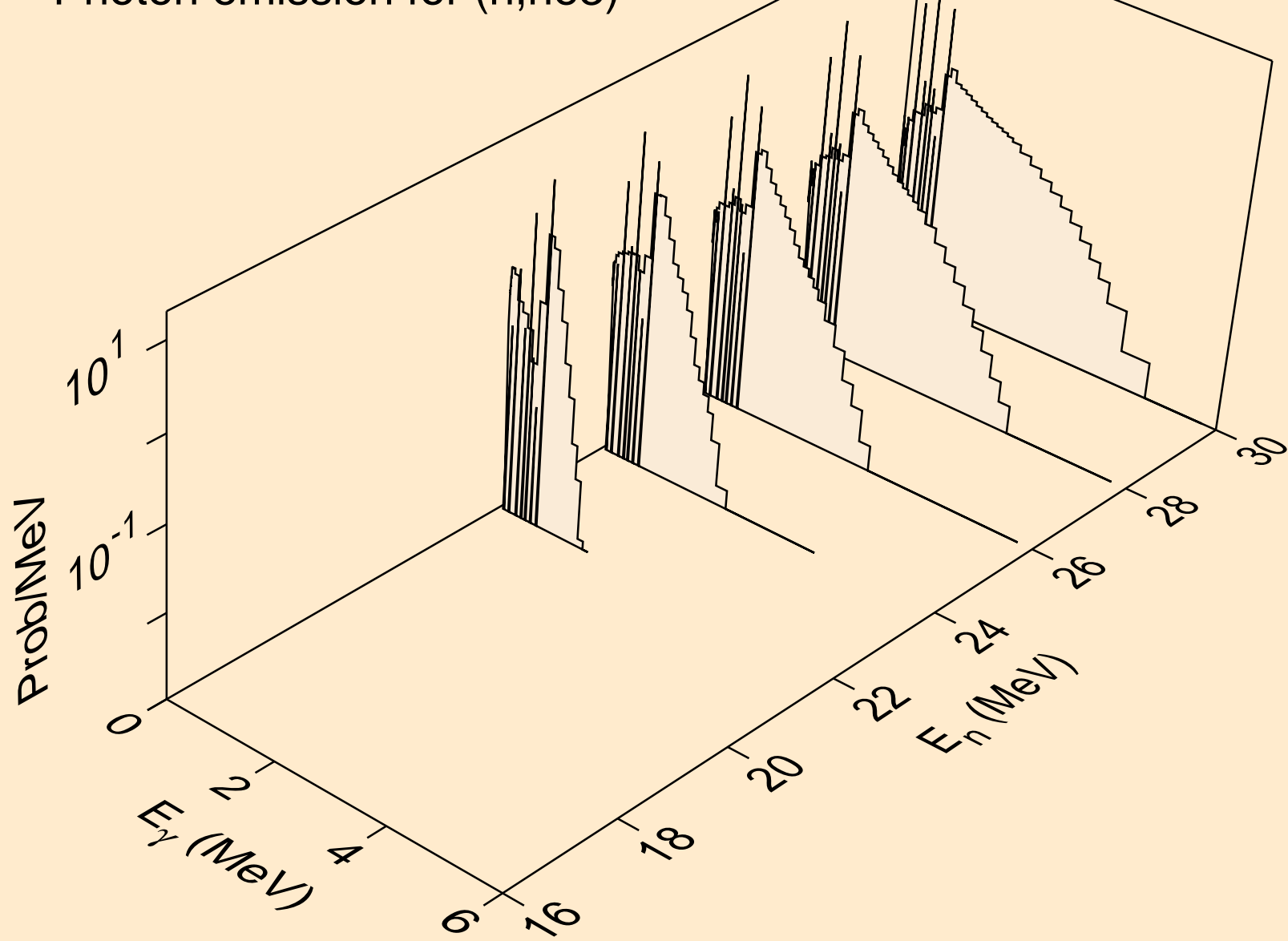




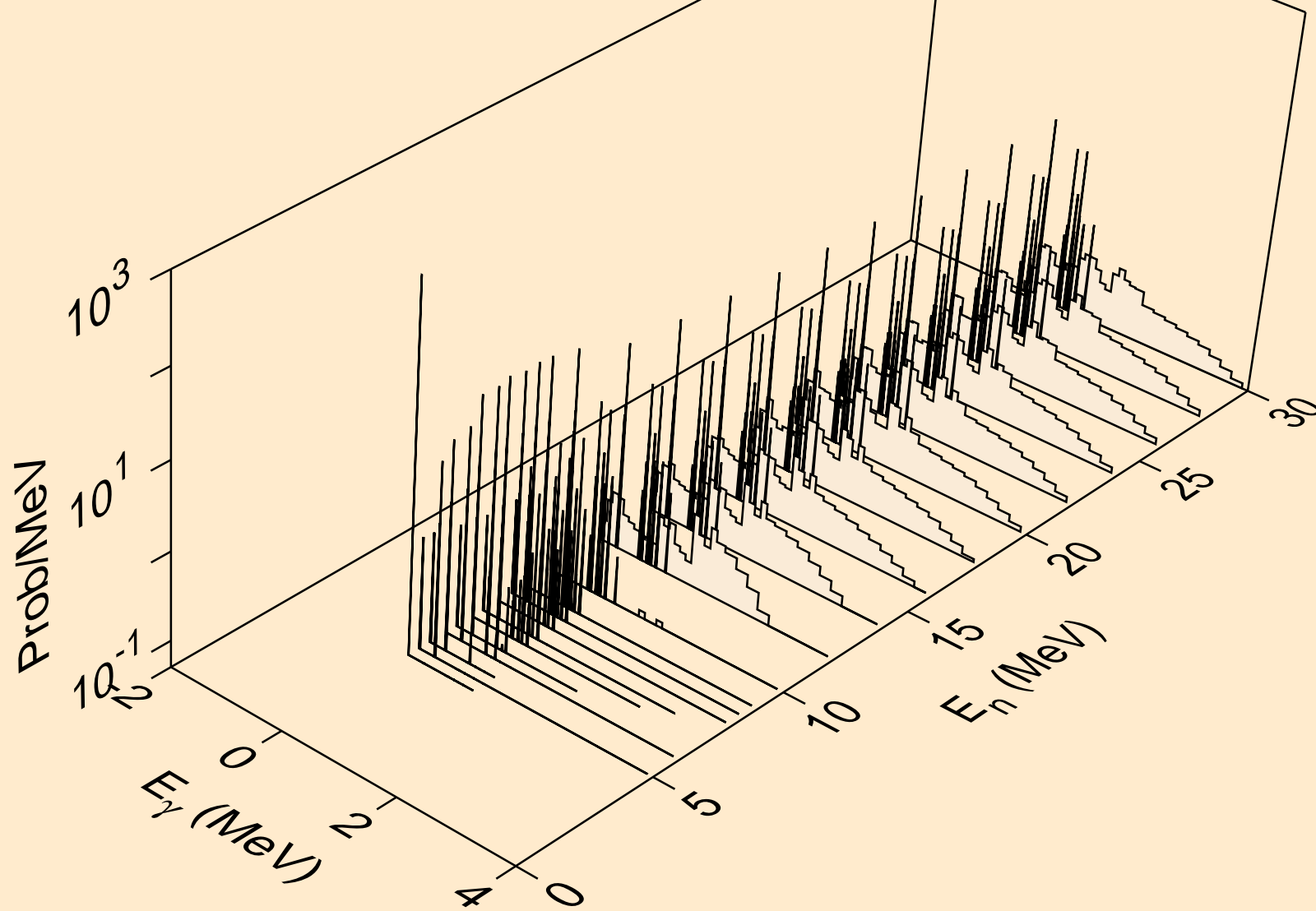
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Photon emission for (n,t)



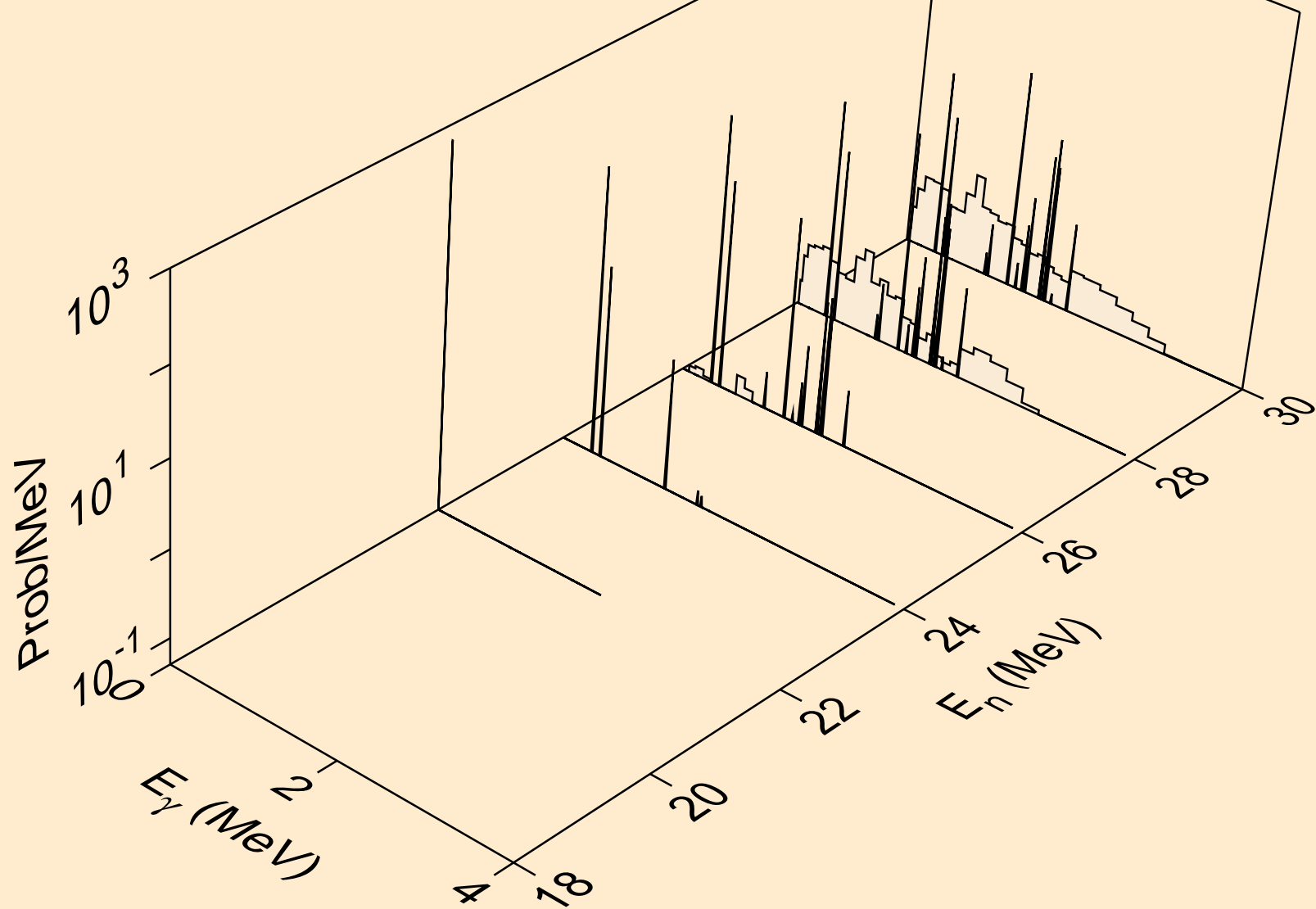
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Photon emission for (n,he3)



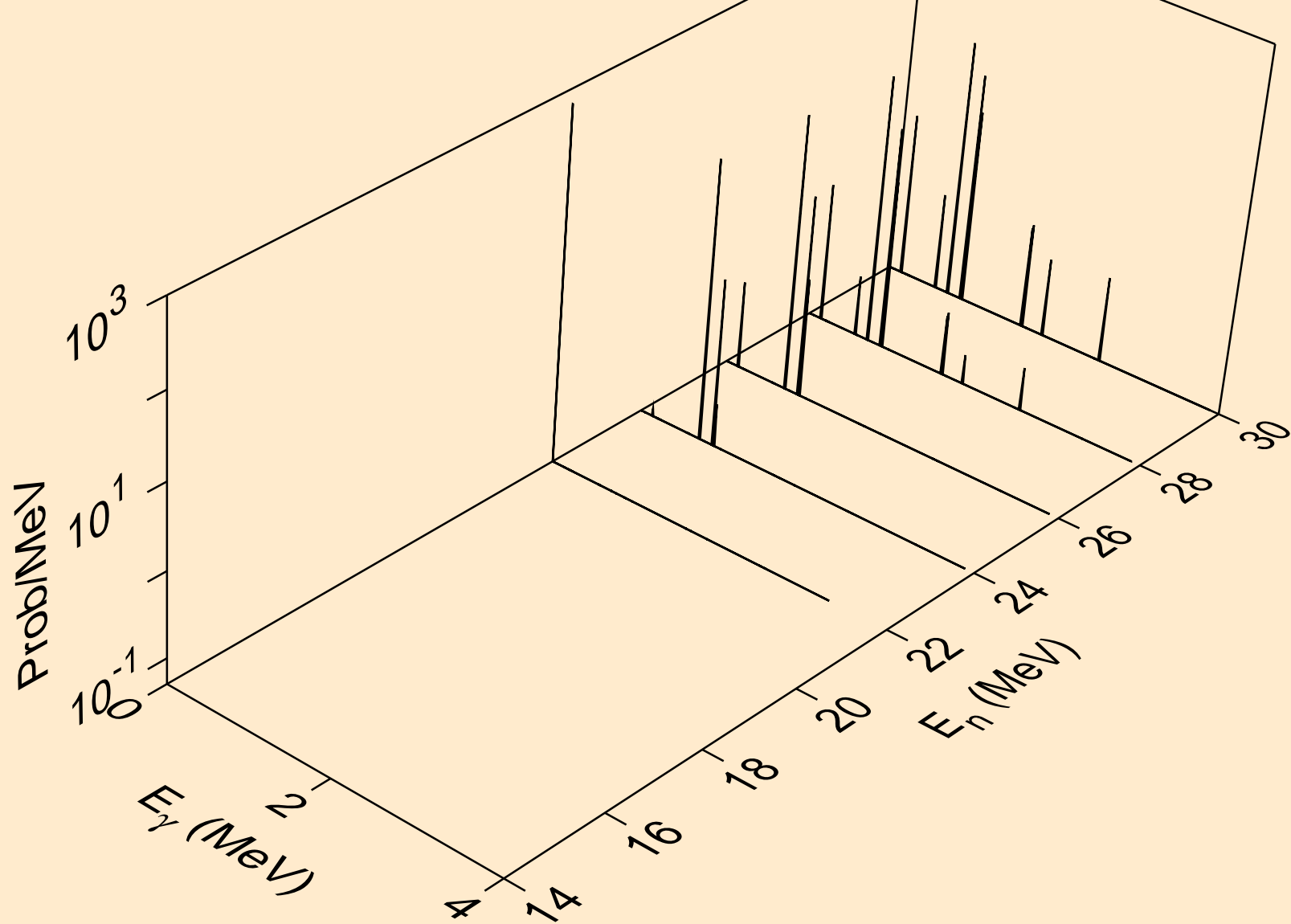
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Photon emission for (n,a)



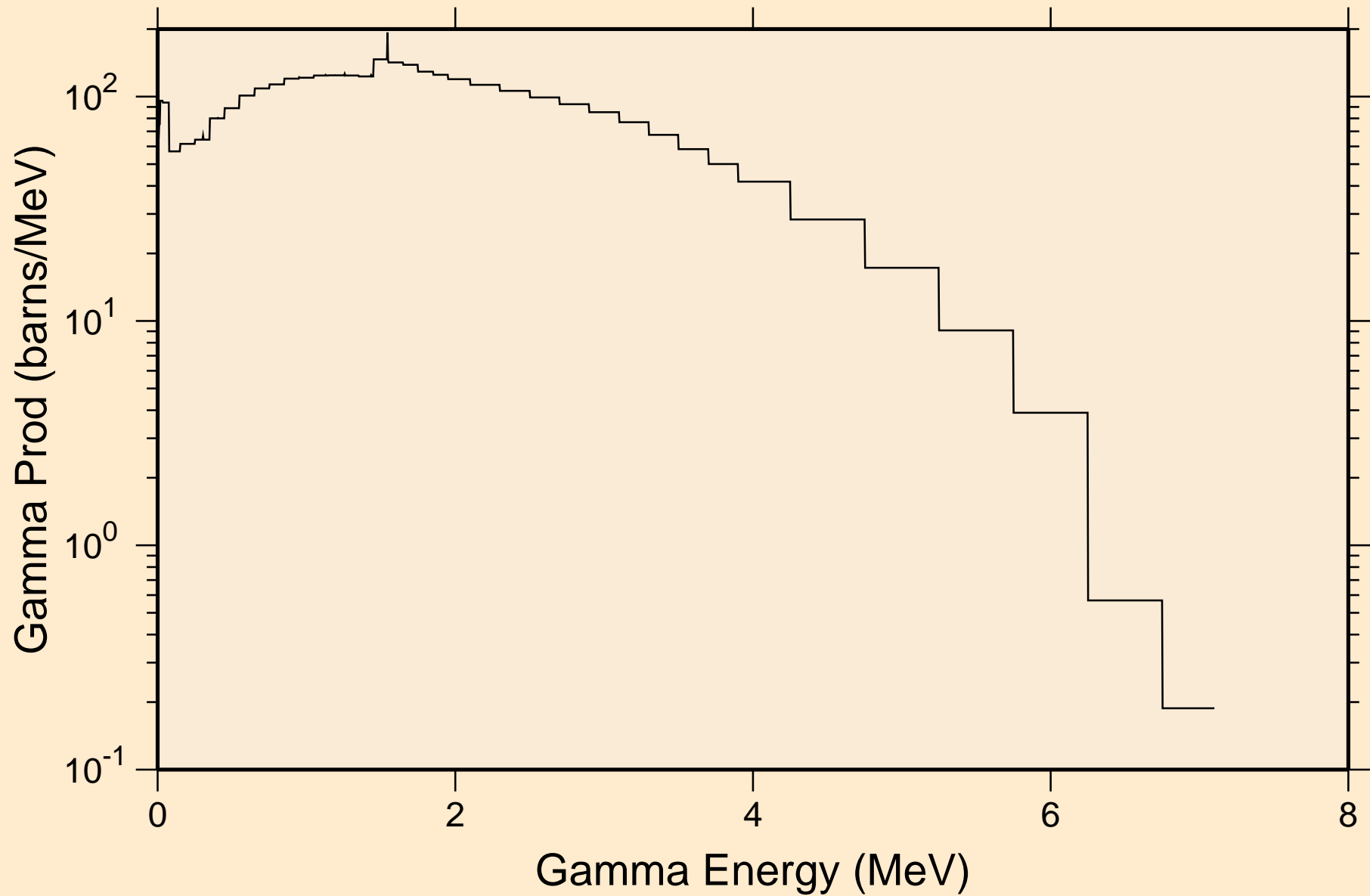
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Photon emission for (n,2p)



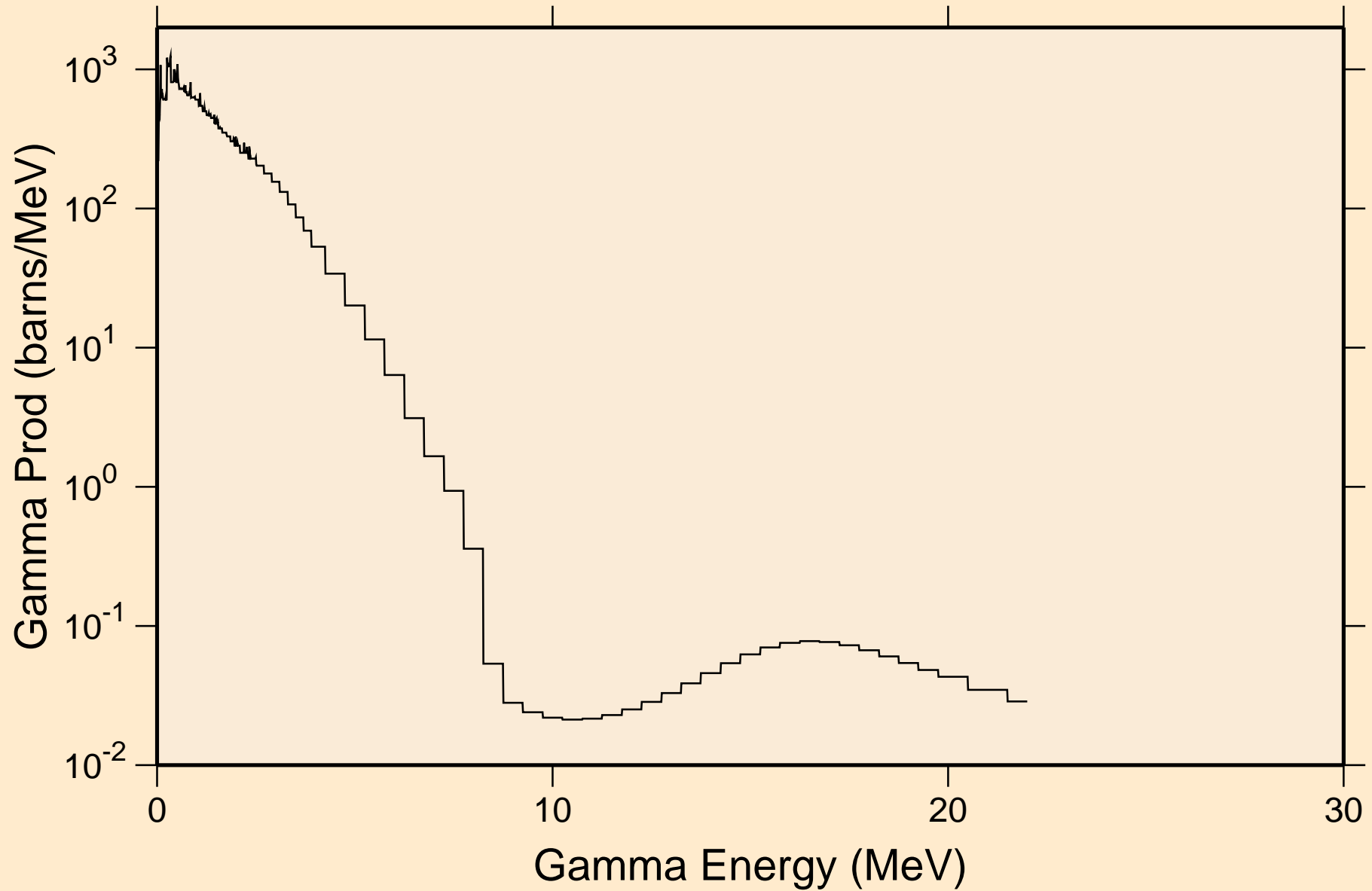
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Photon emission for (n,p)



AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

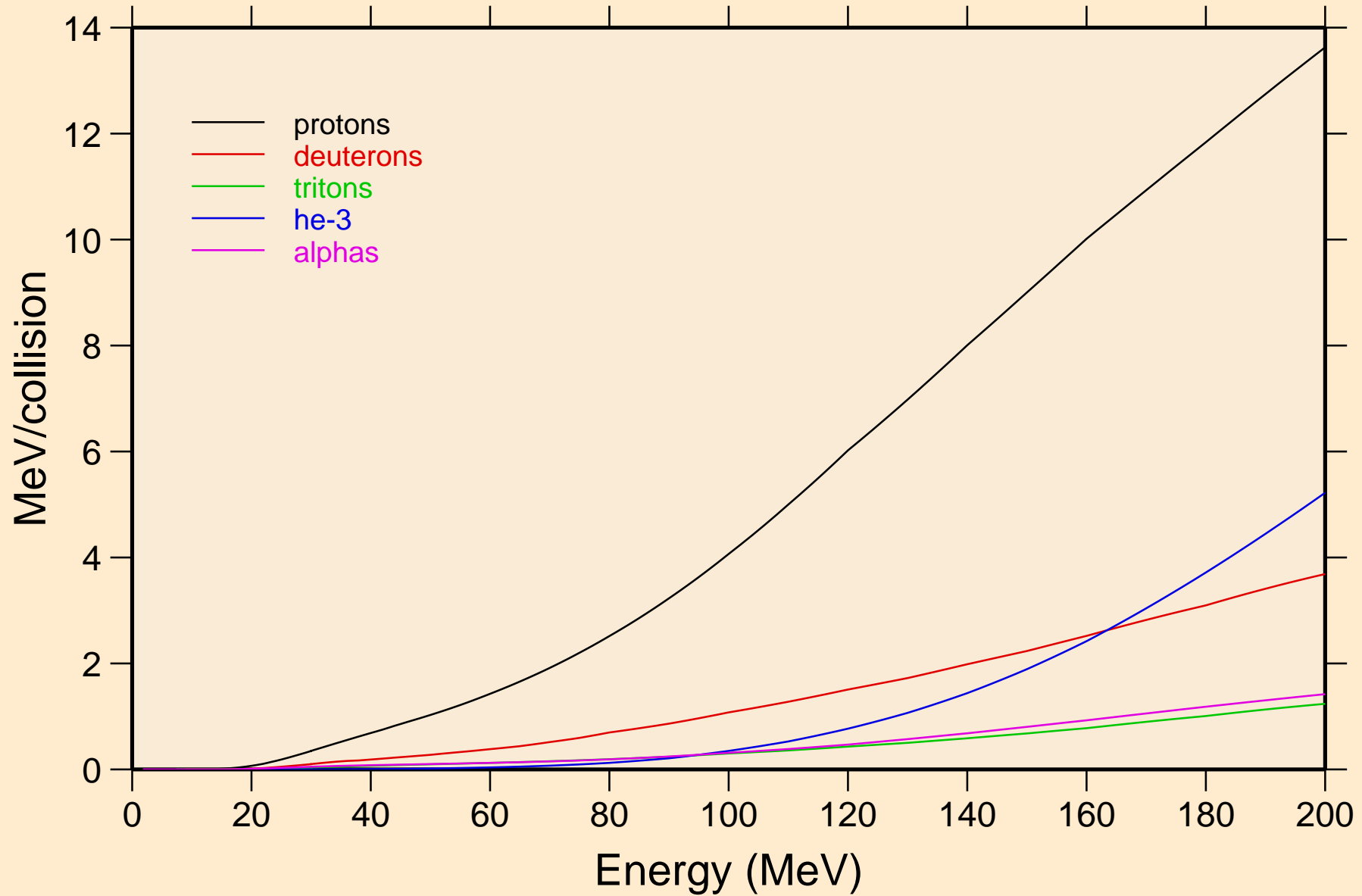


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14 MeV photon spectrum



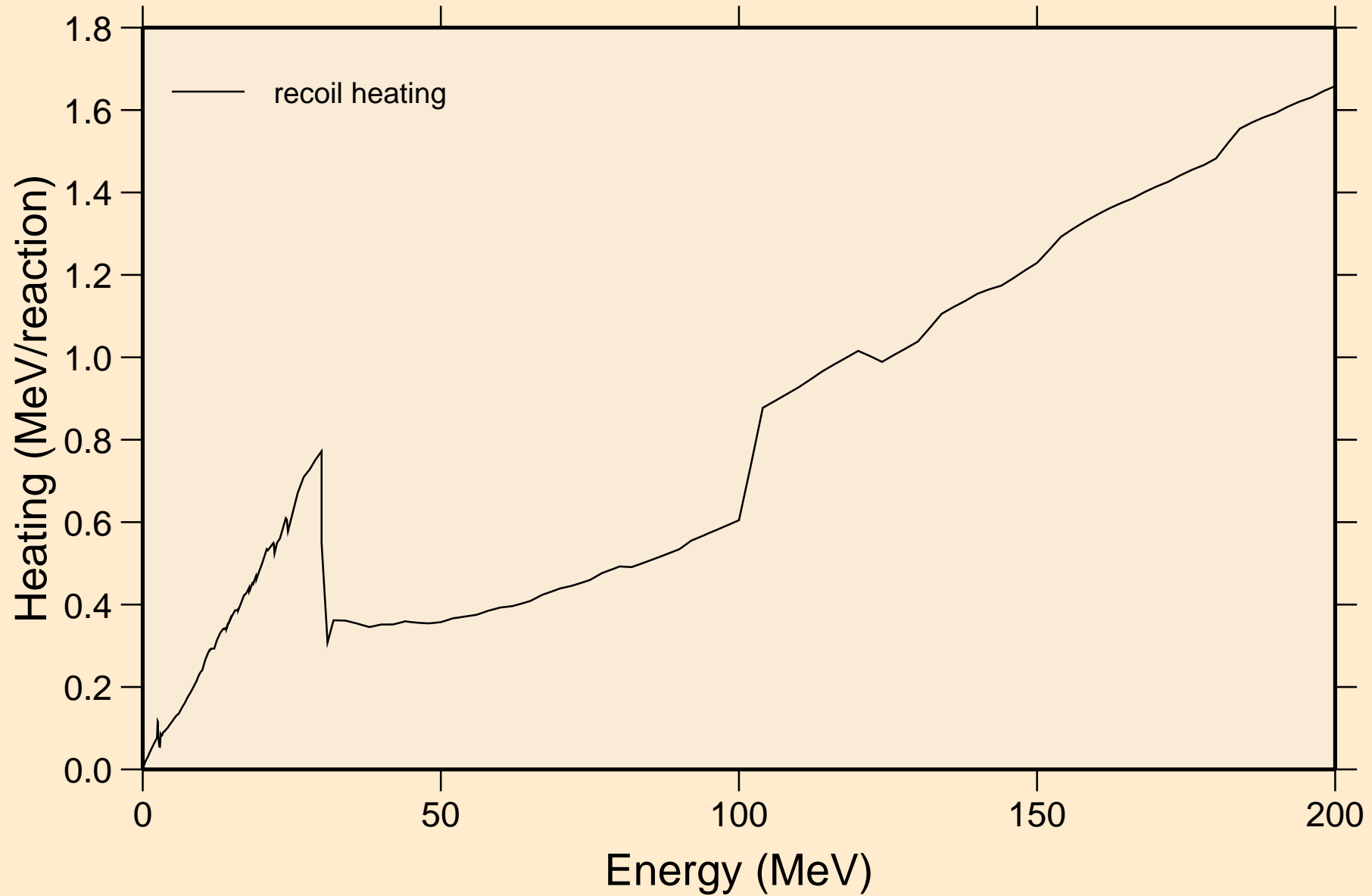
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## Particle heating contributions

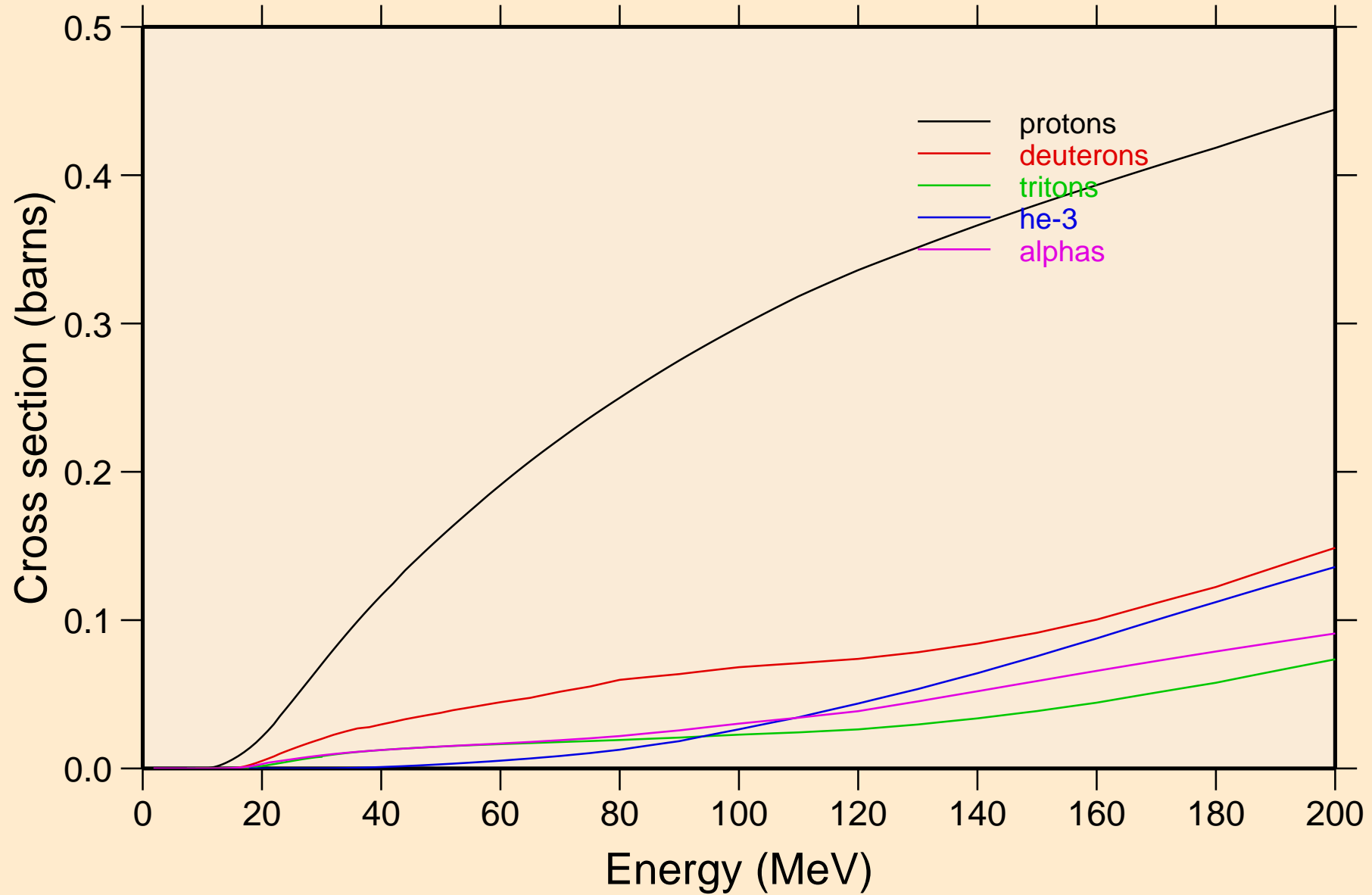




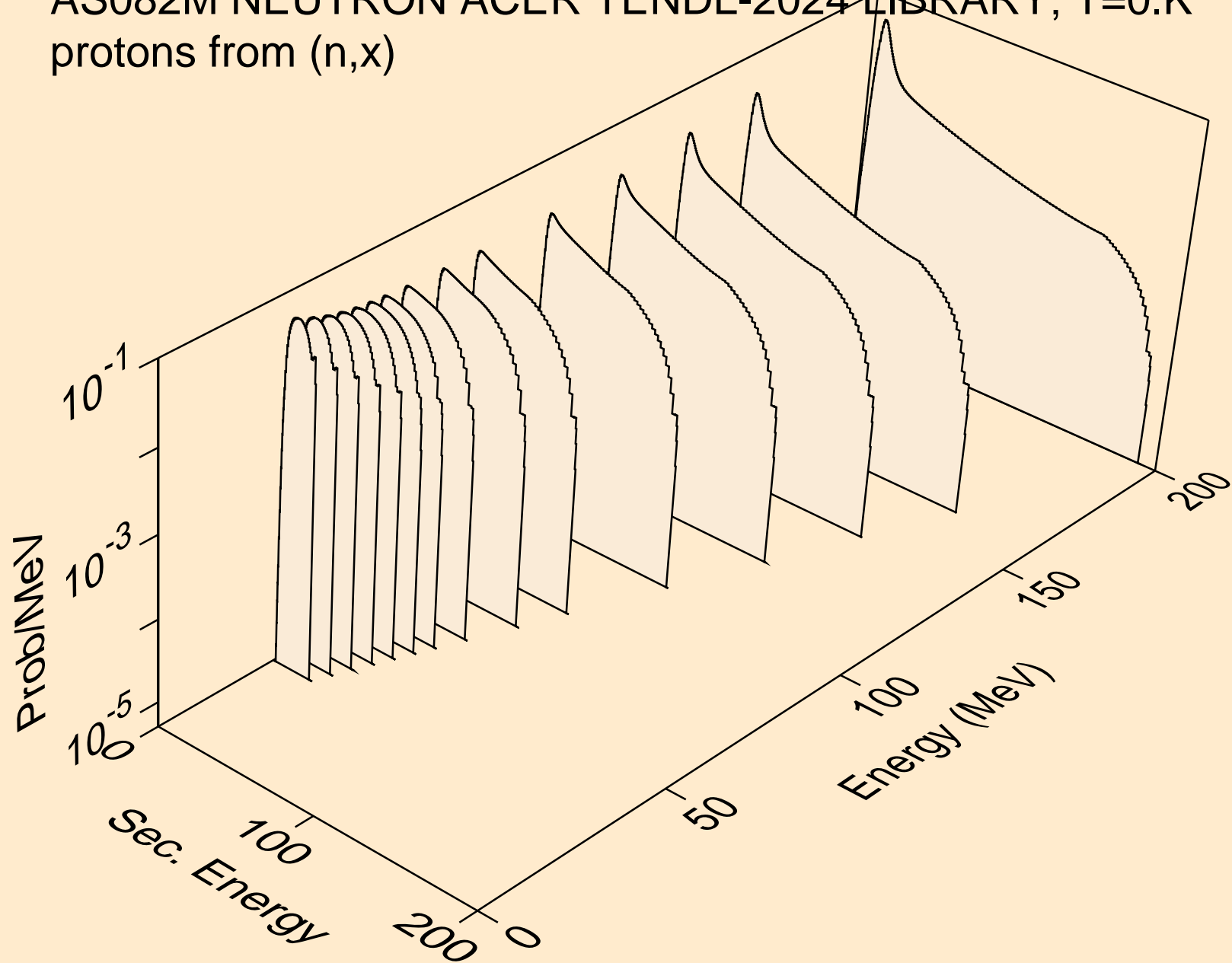
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Recoil Heating



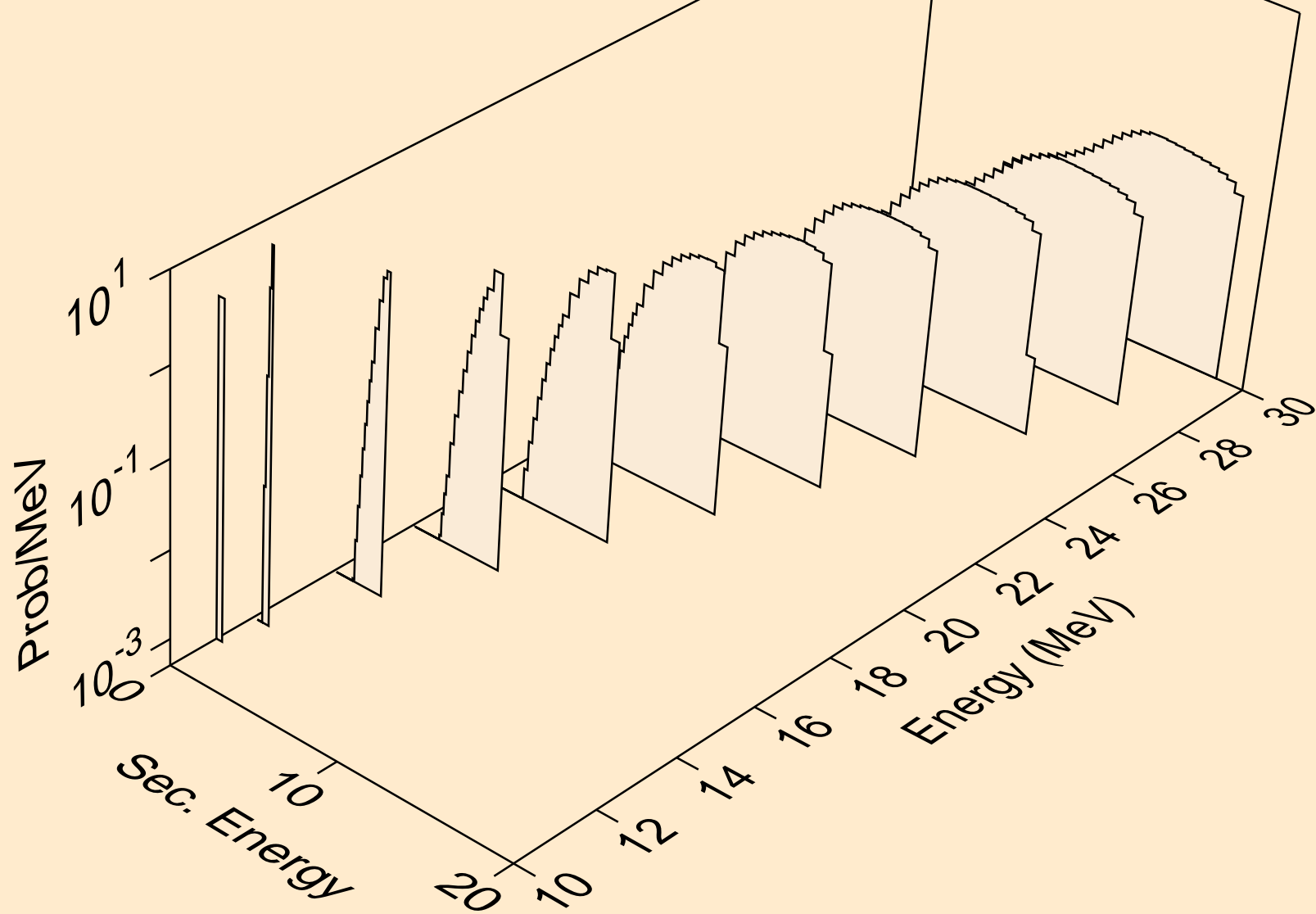
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Particle production cross sections



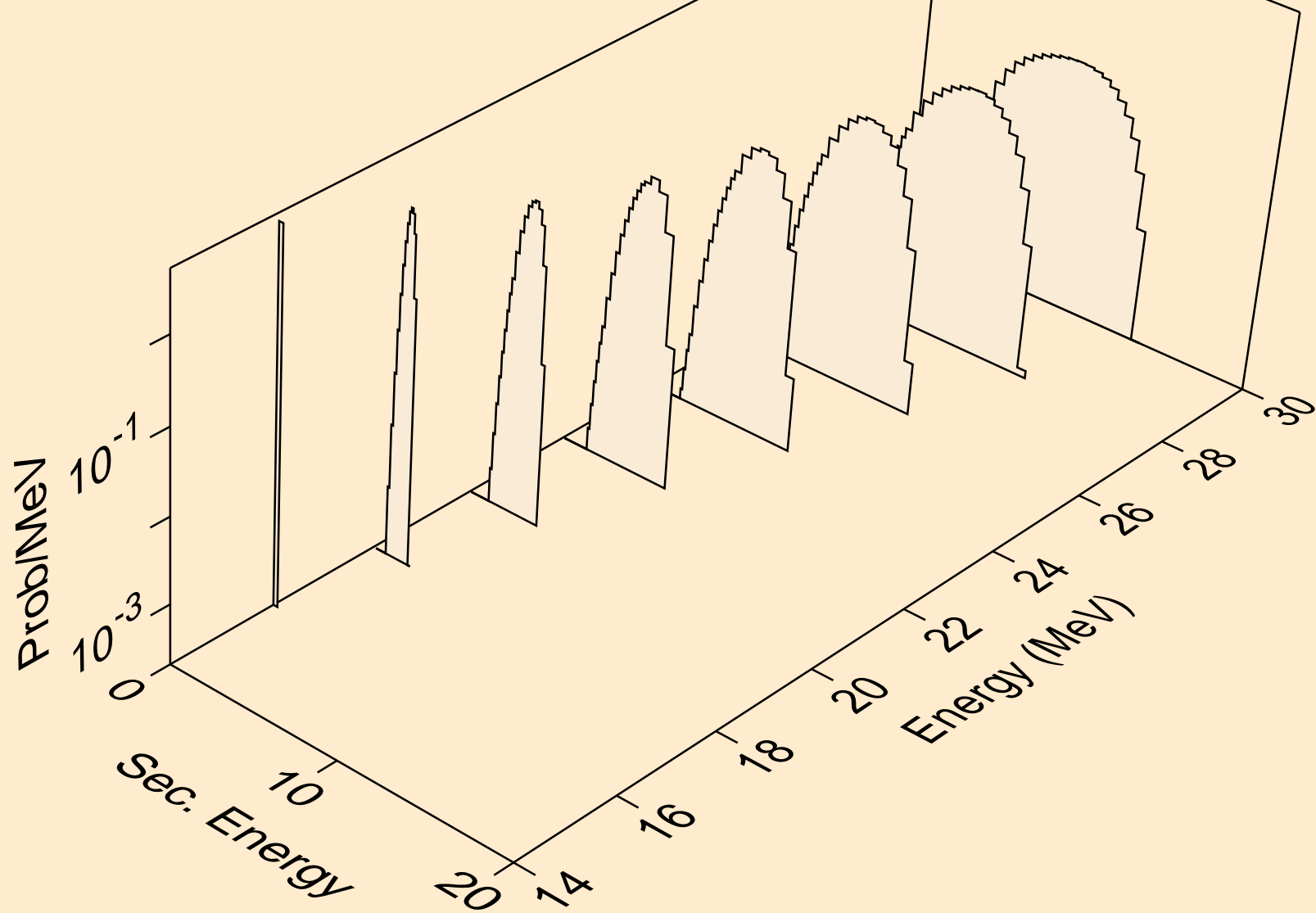
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protons from (n,x)



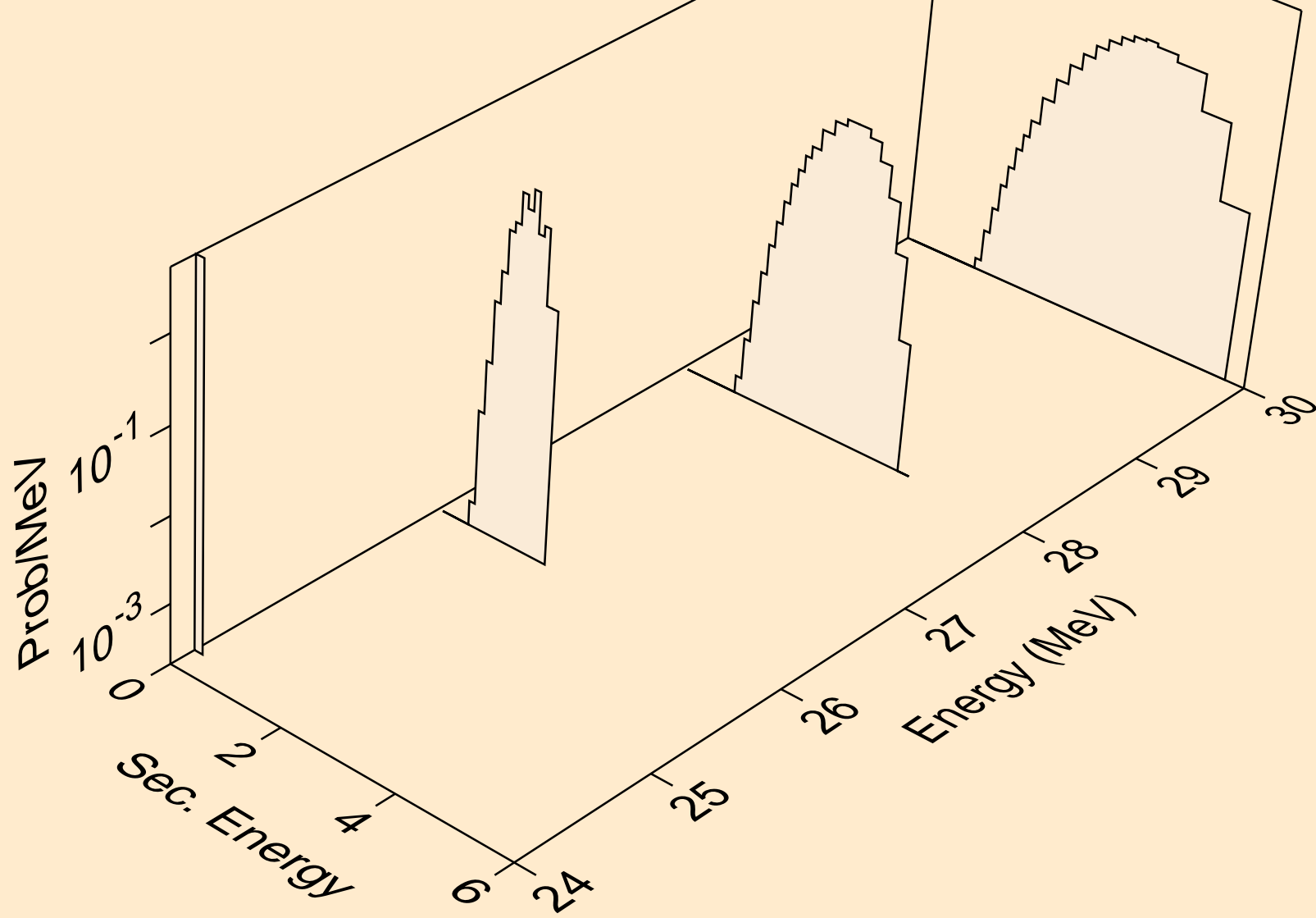
AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



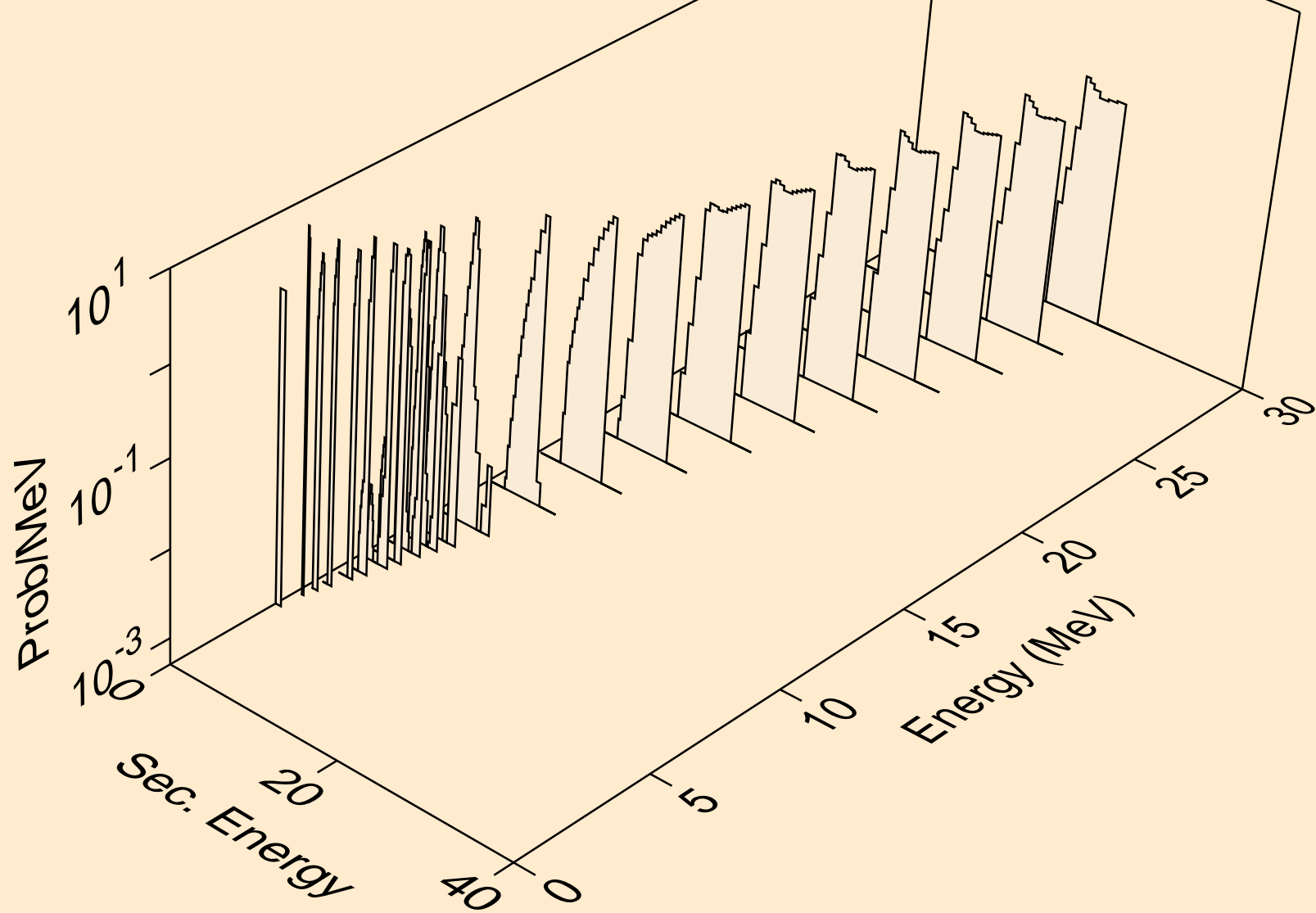
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protons from (n,2np)



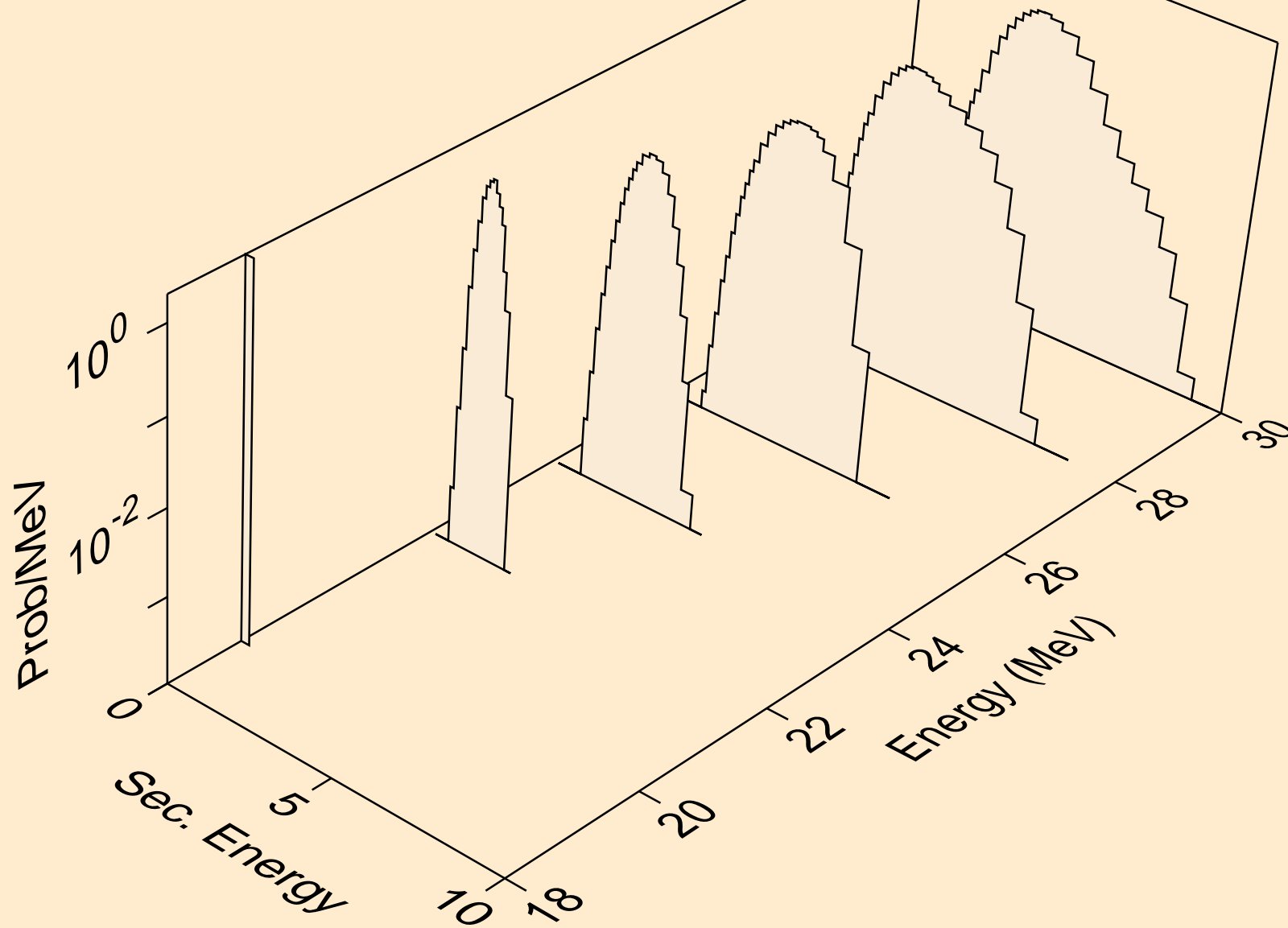
AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)



AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)

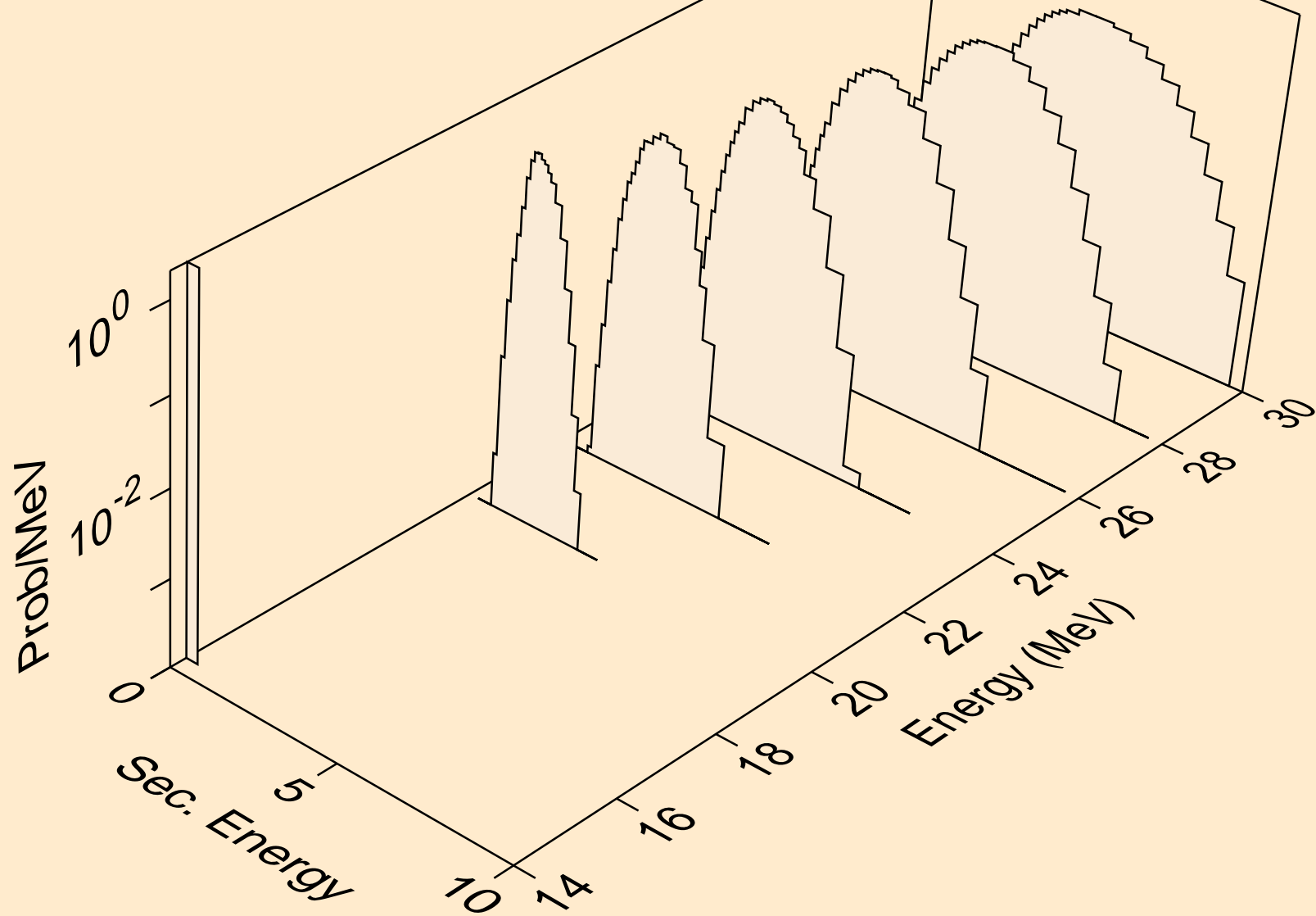


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protons from (n,2p)

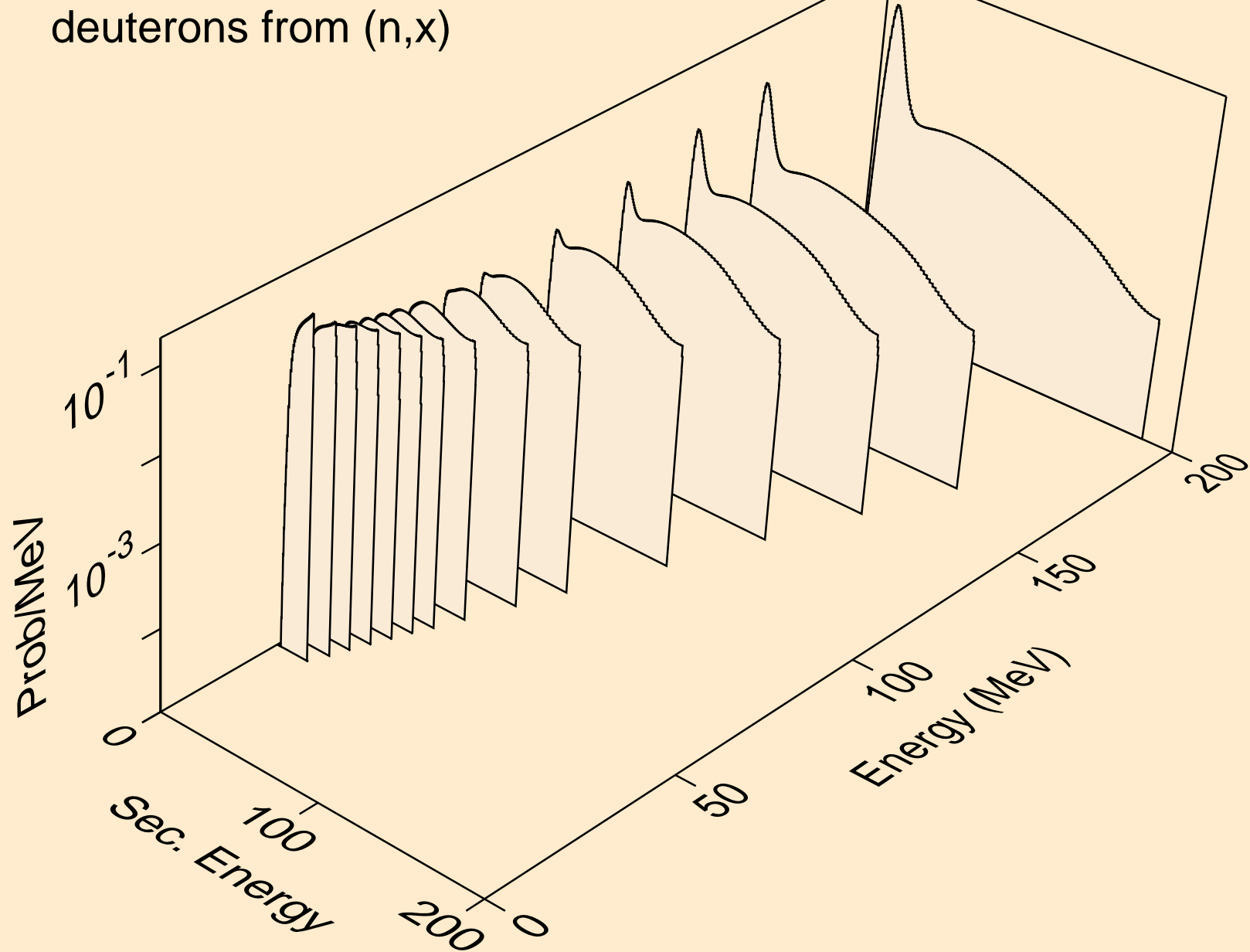




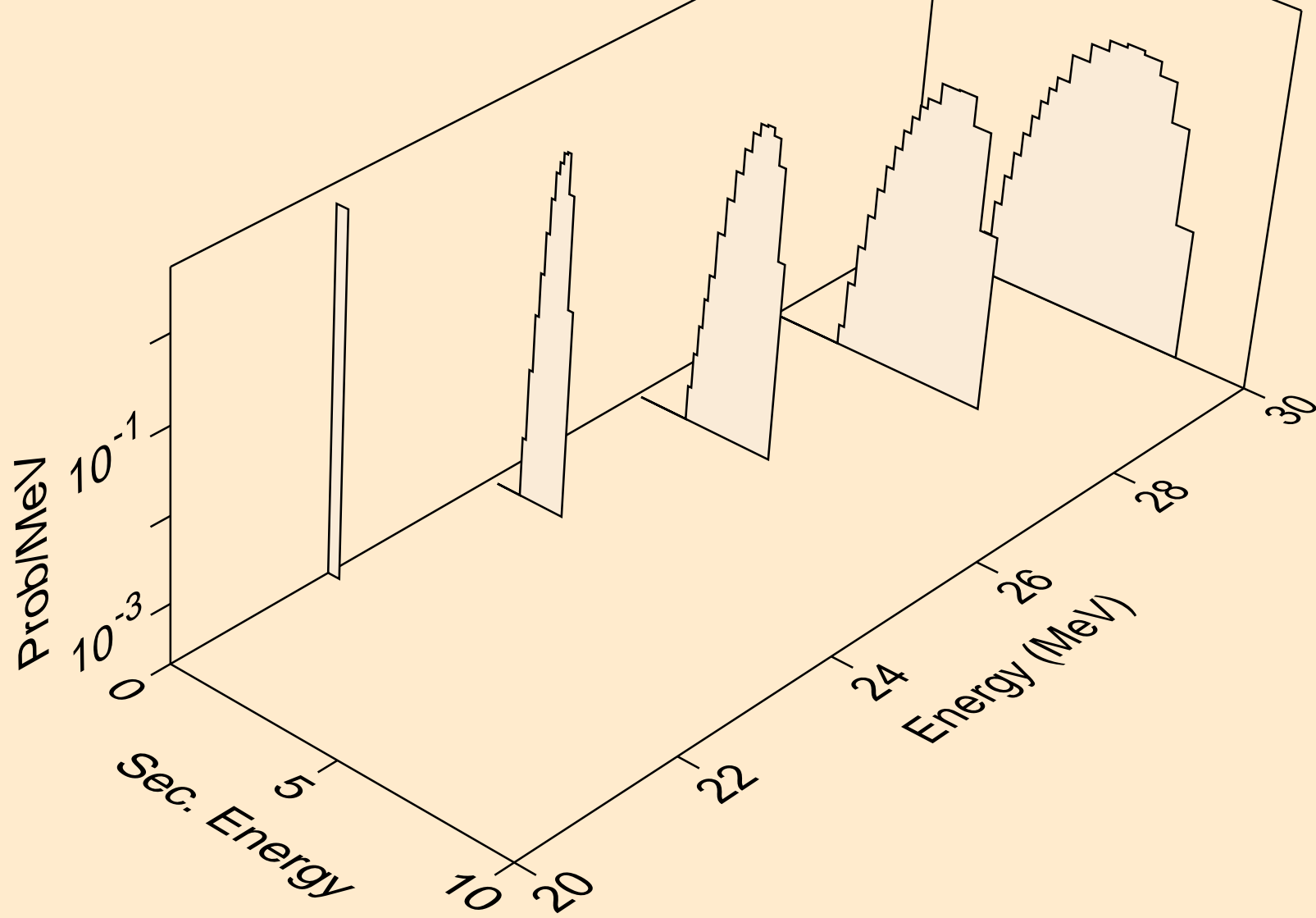
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protons from (n,p)



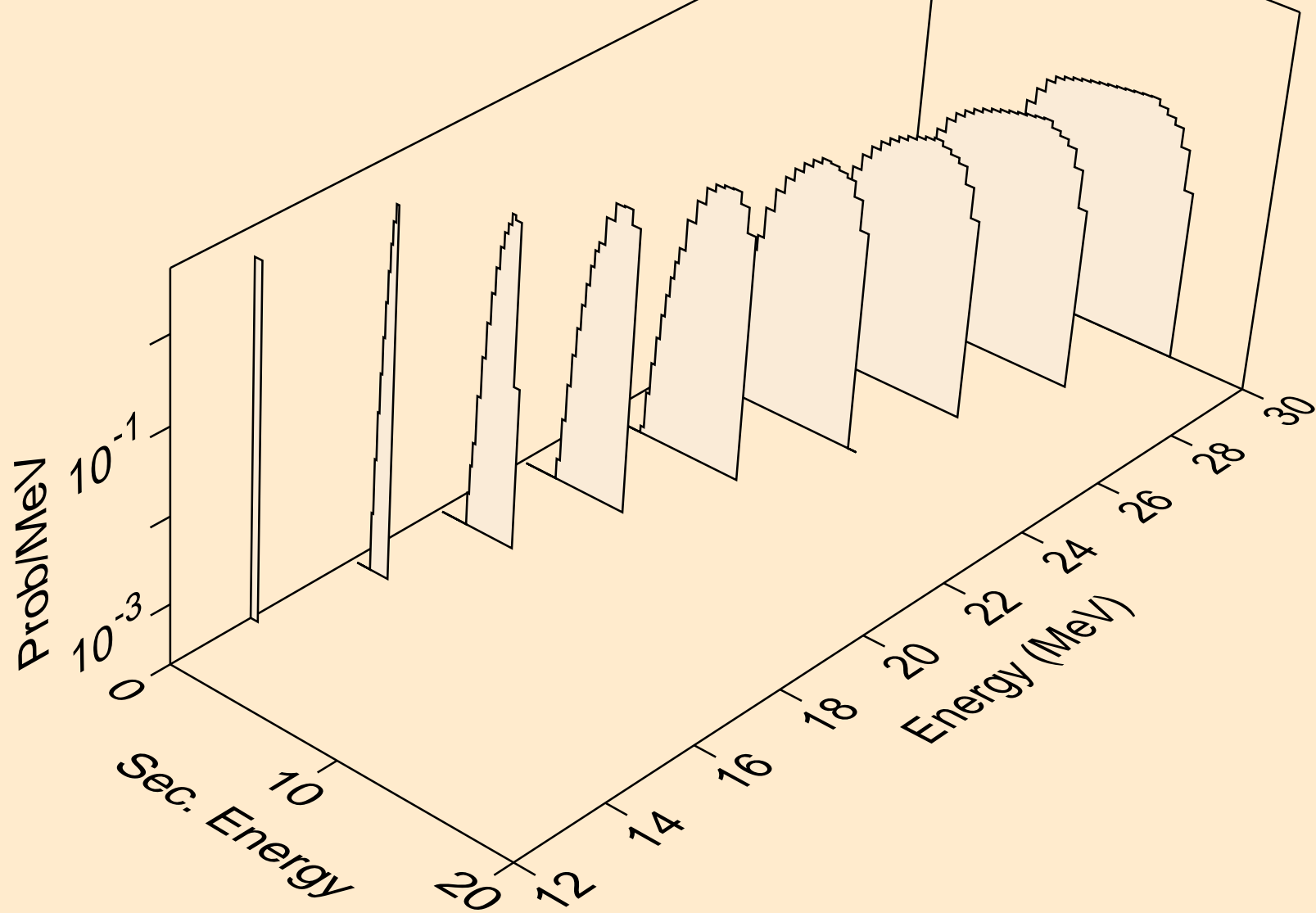
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deuterons from (n,x)



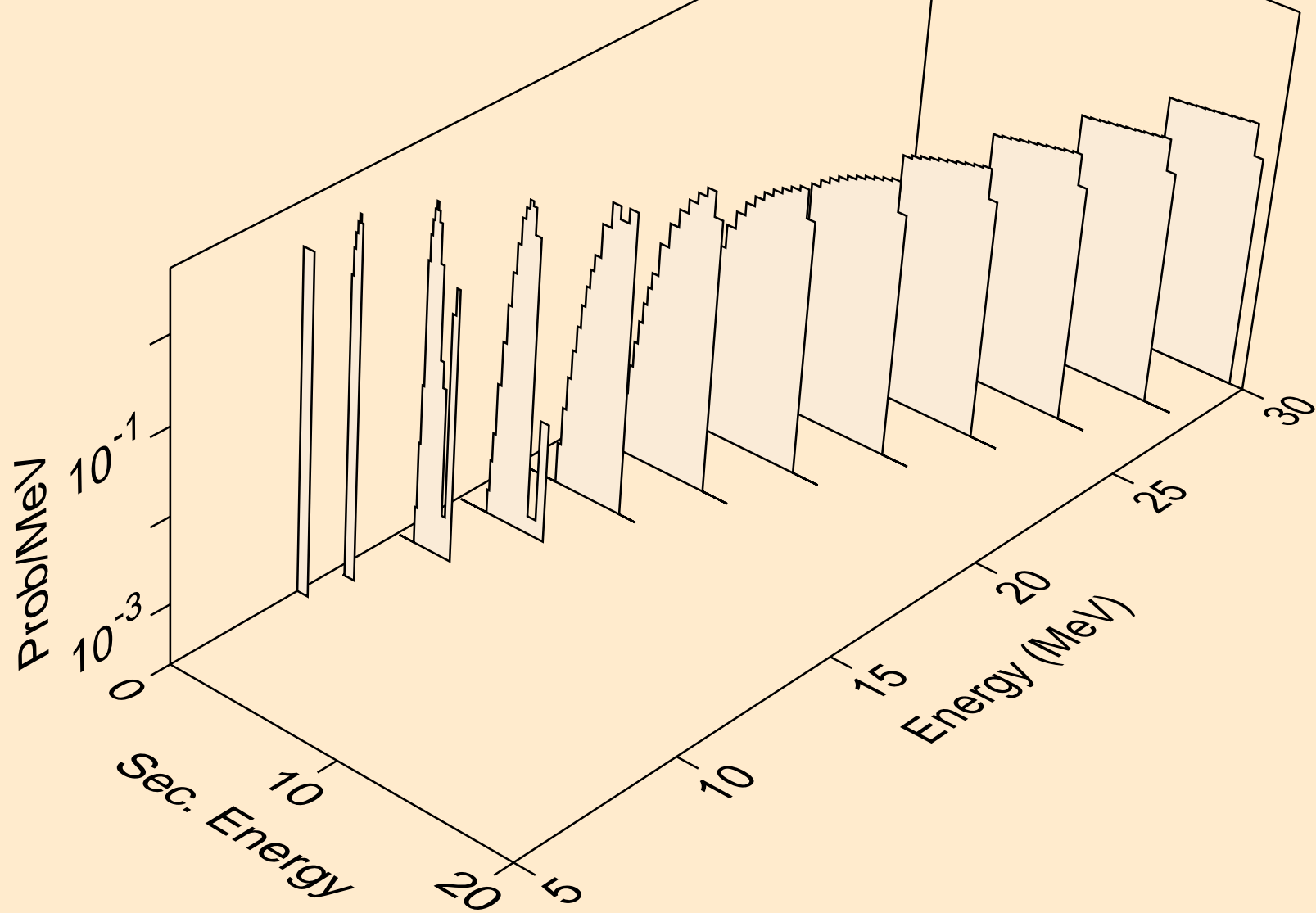
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deuterons from (n,2nd)



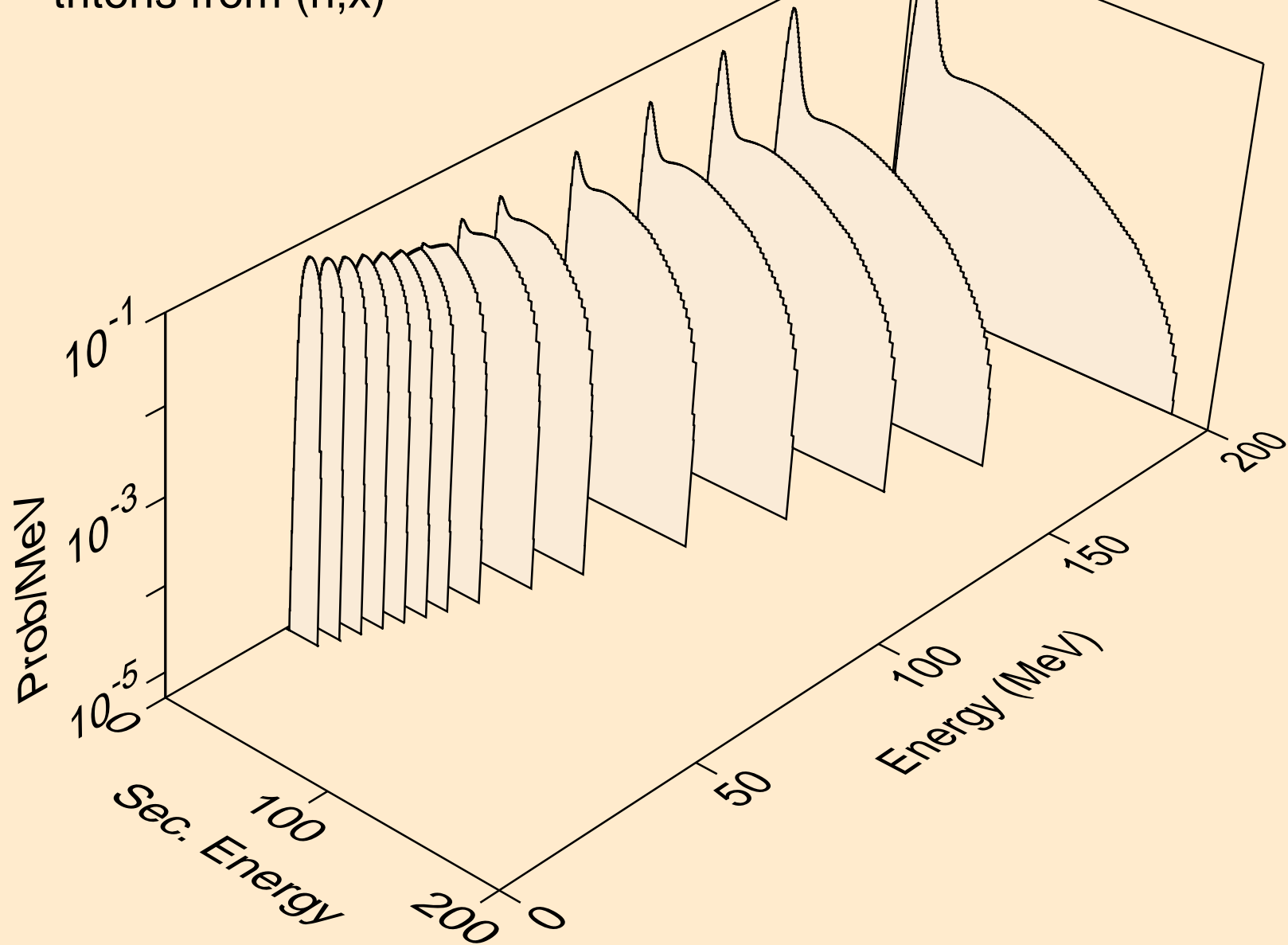
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deuterons from (n,n\*)d



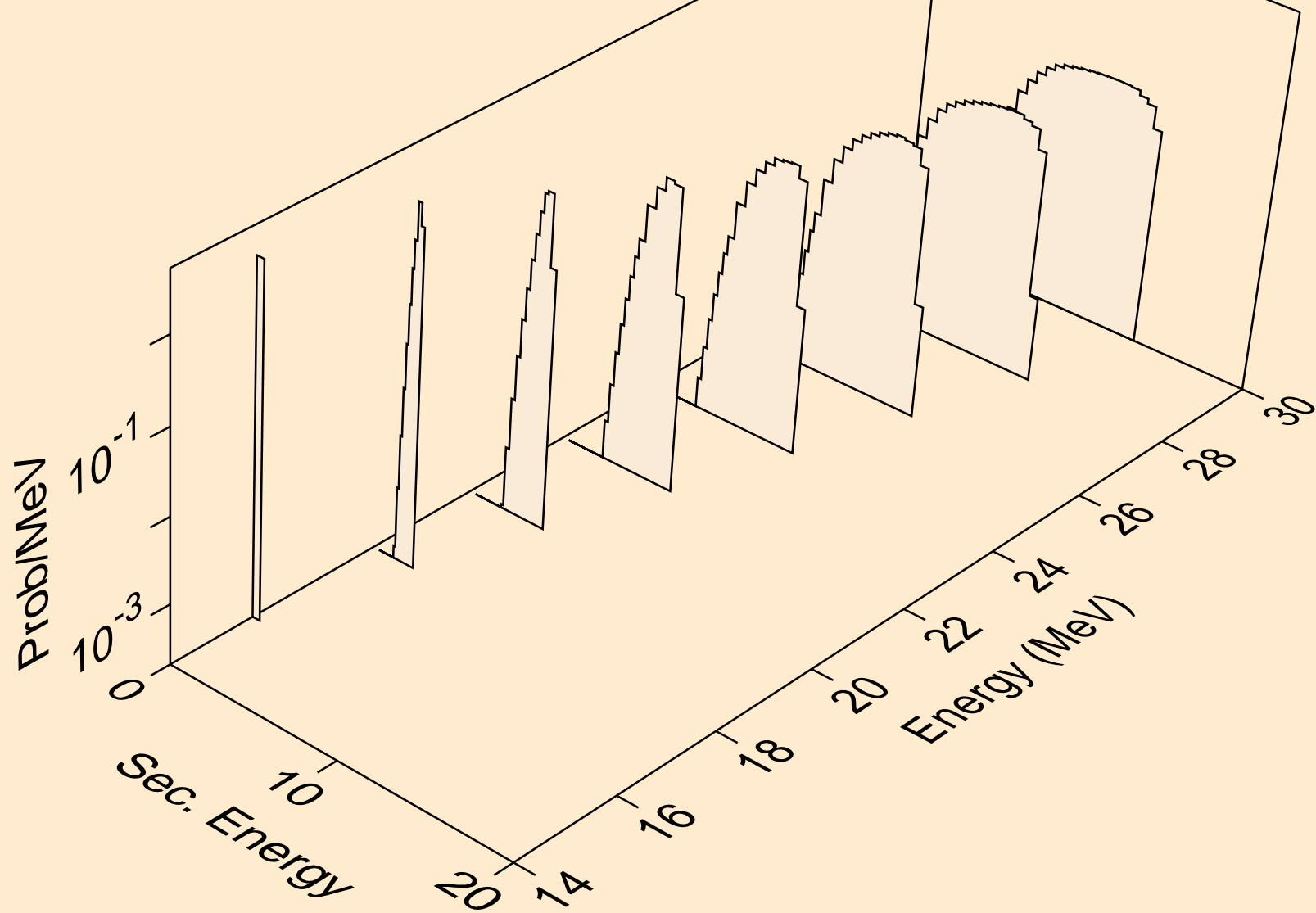
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deuterons from (n,d)



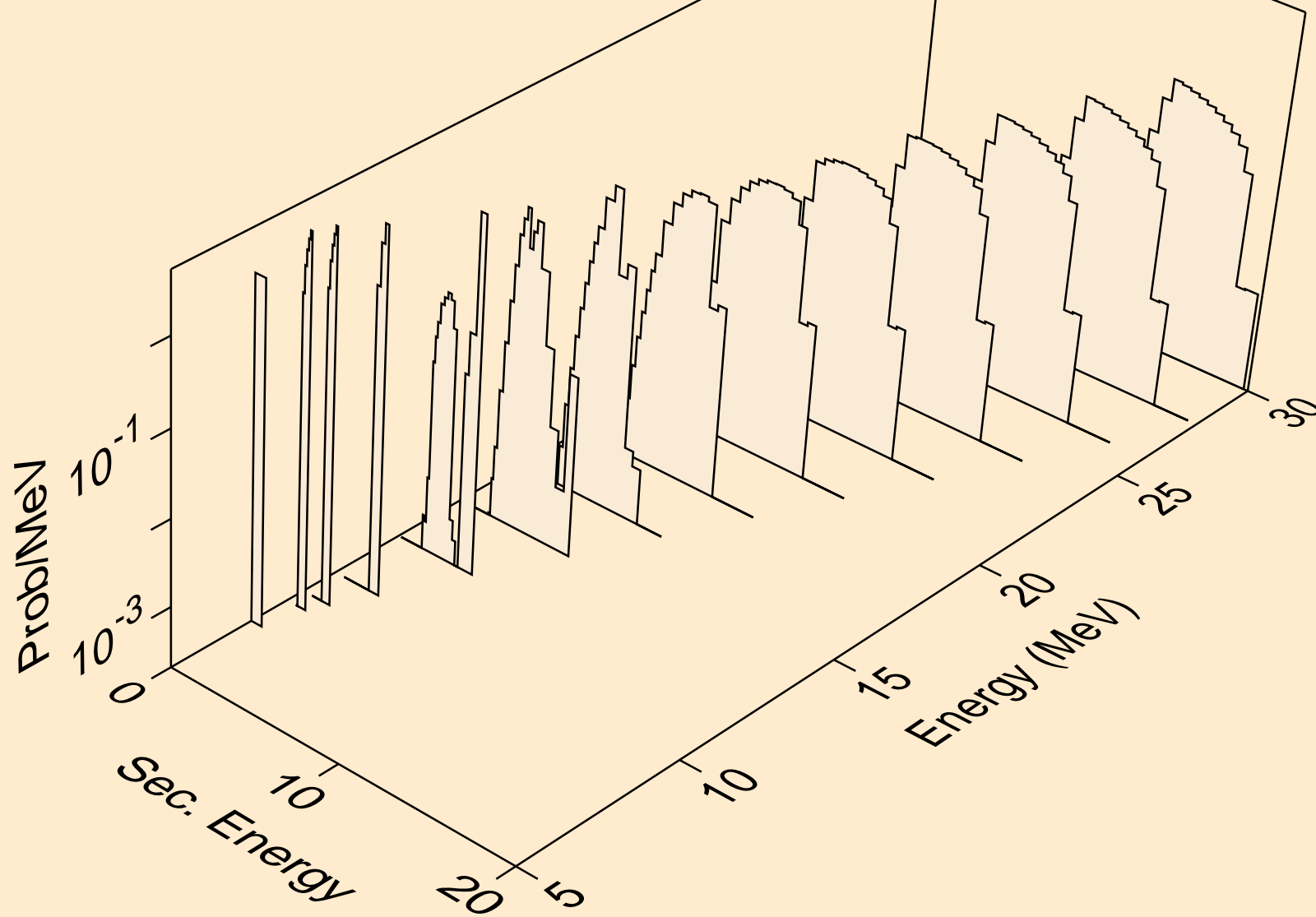
AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)



AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t

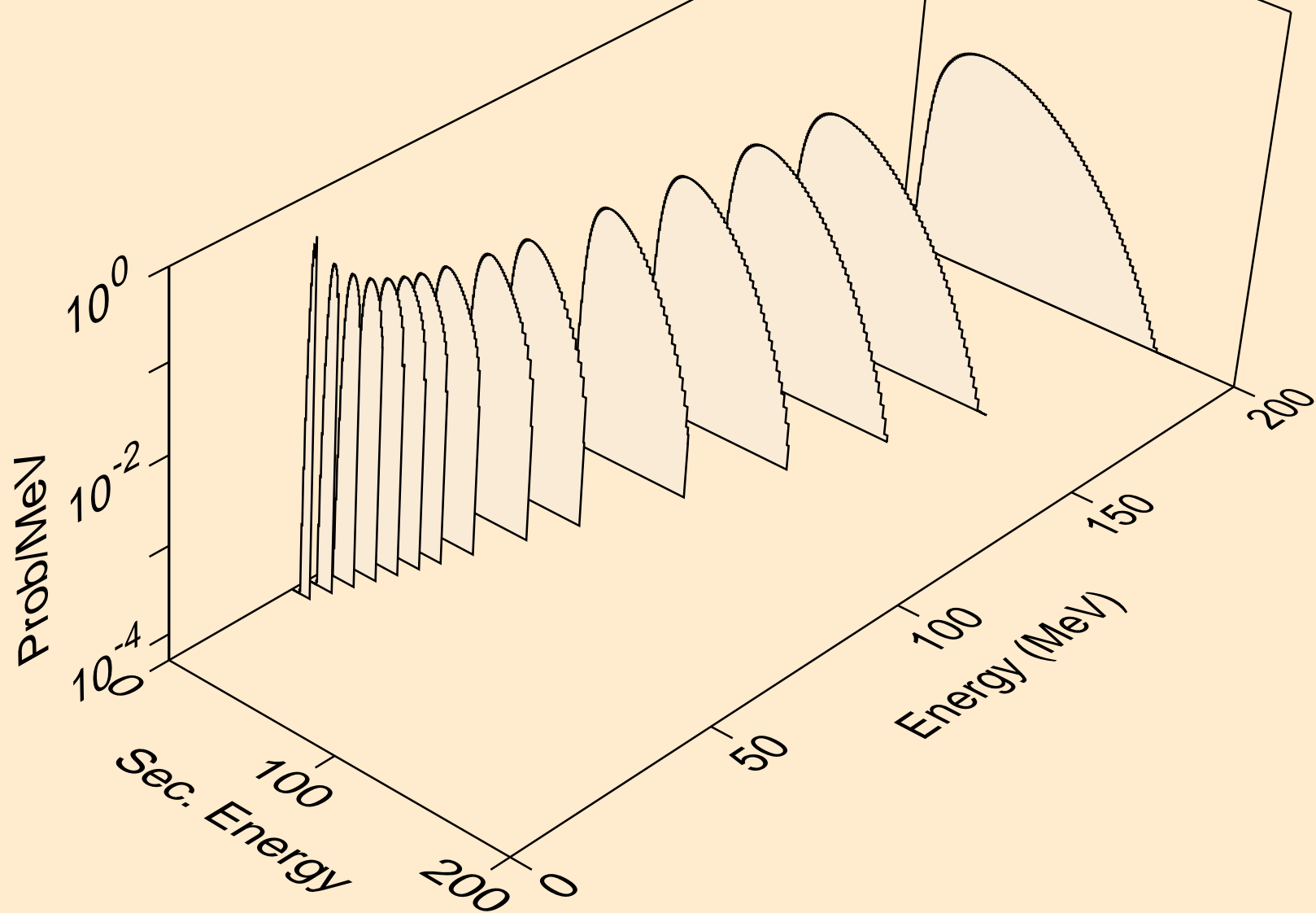


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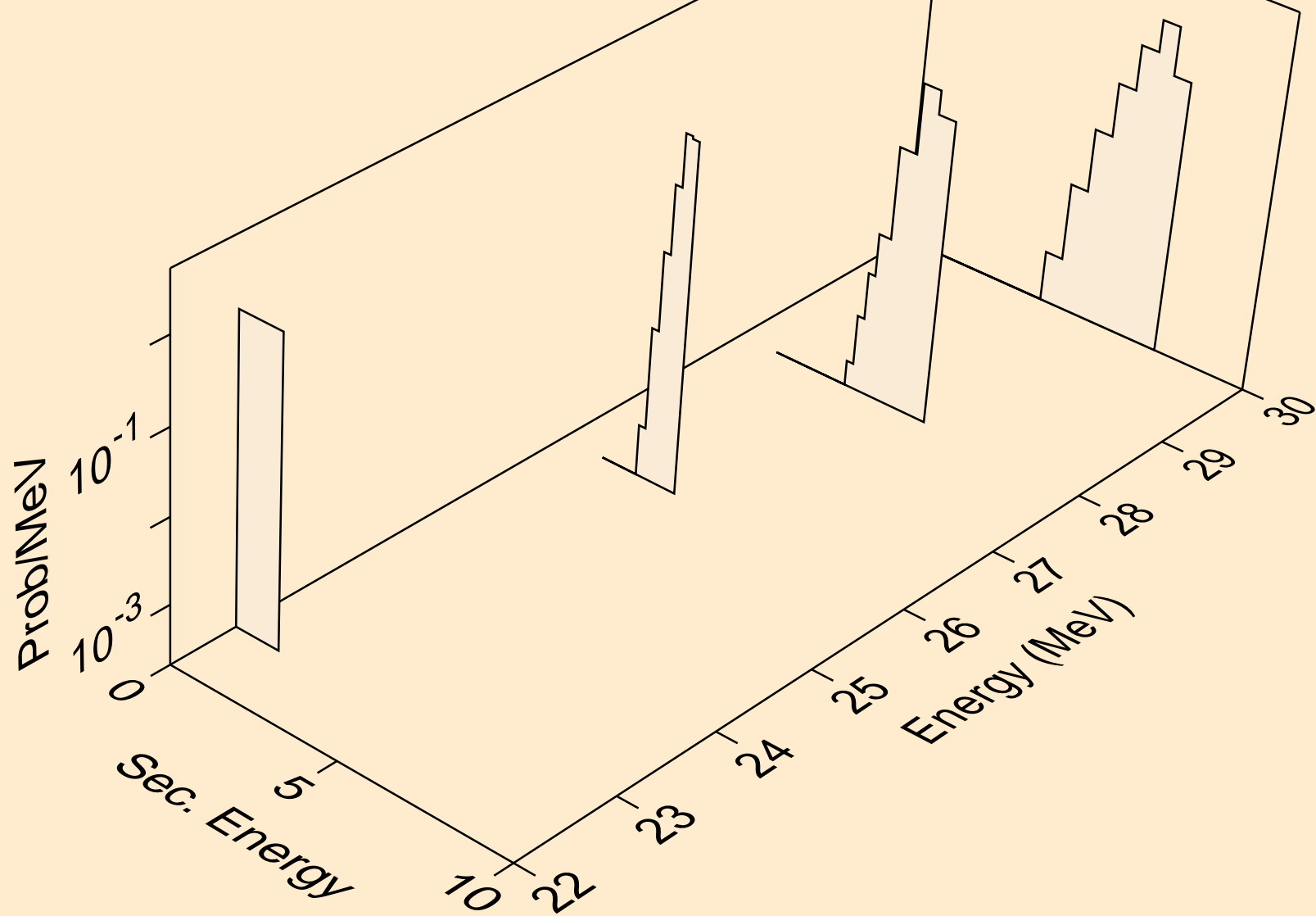




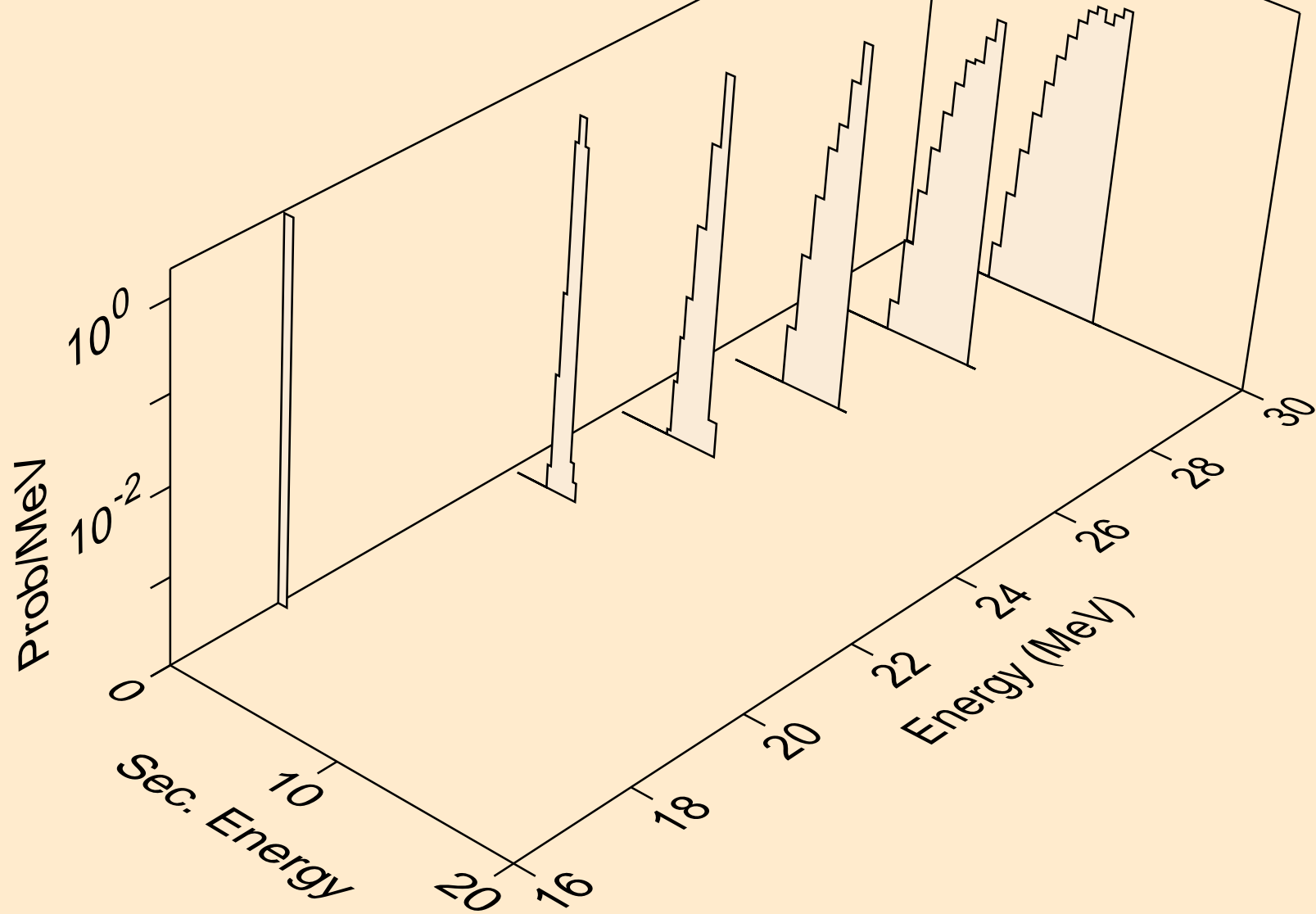
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he3s from (n,x)



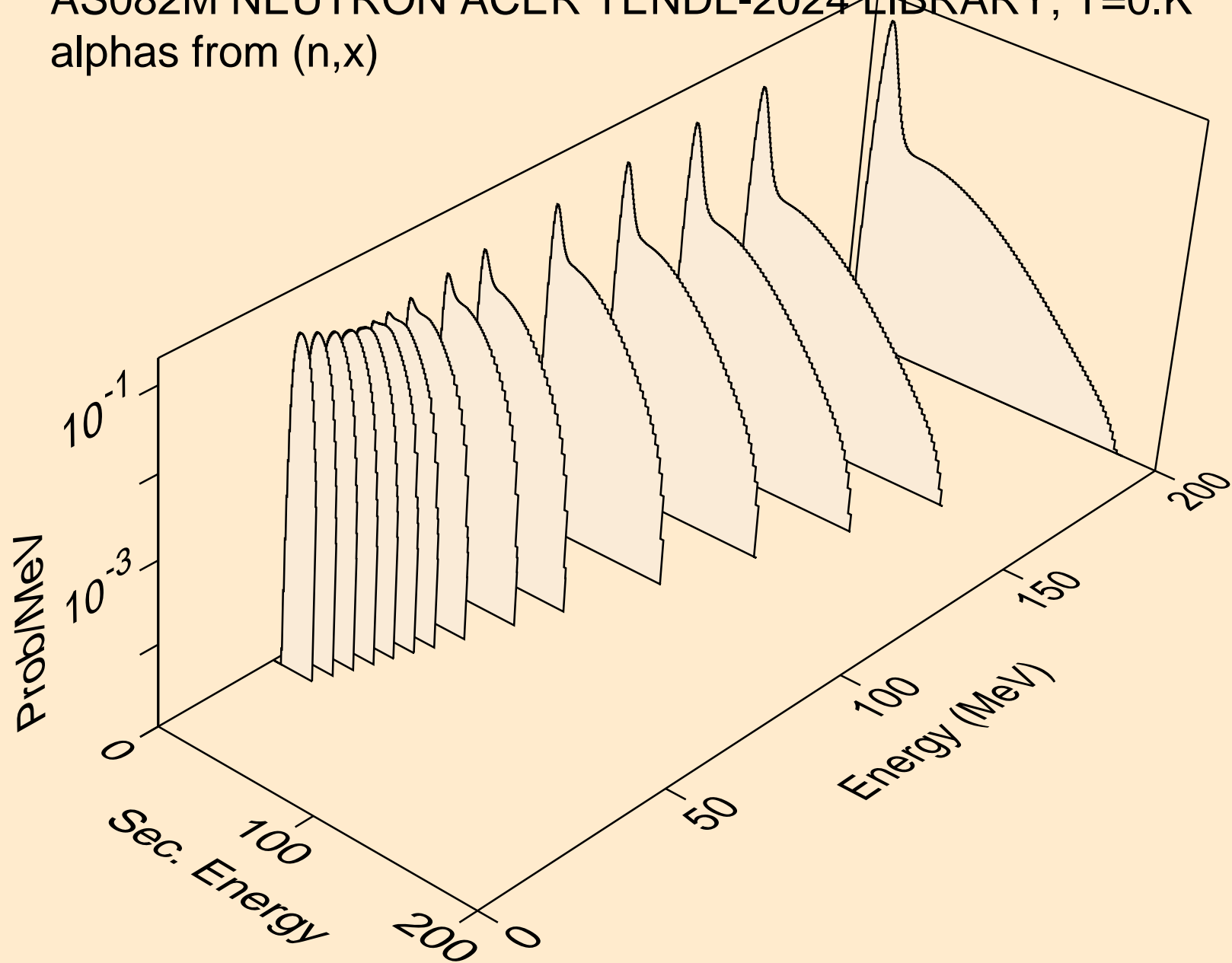
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he3s from (n,n\*)he3



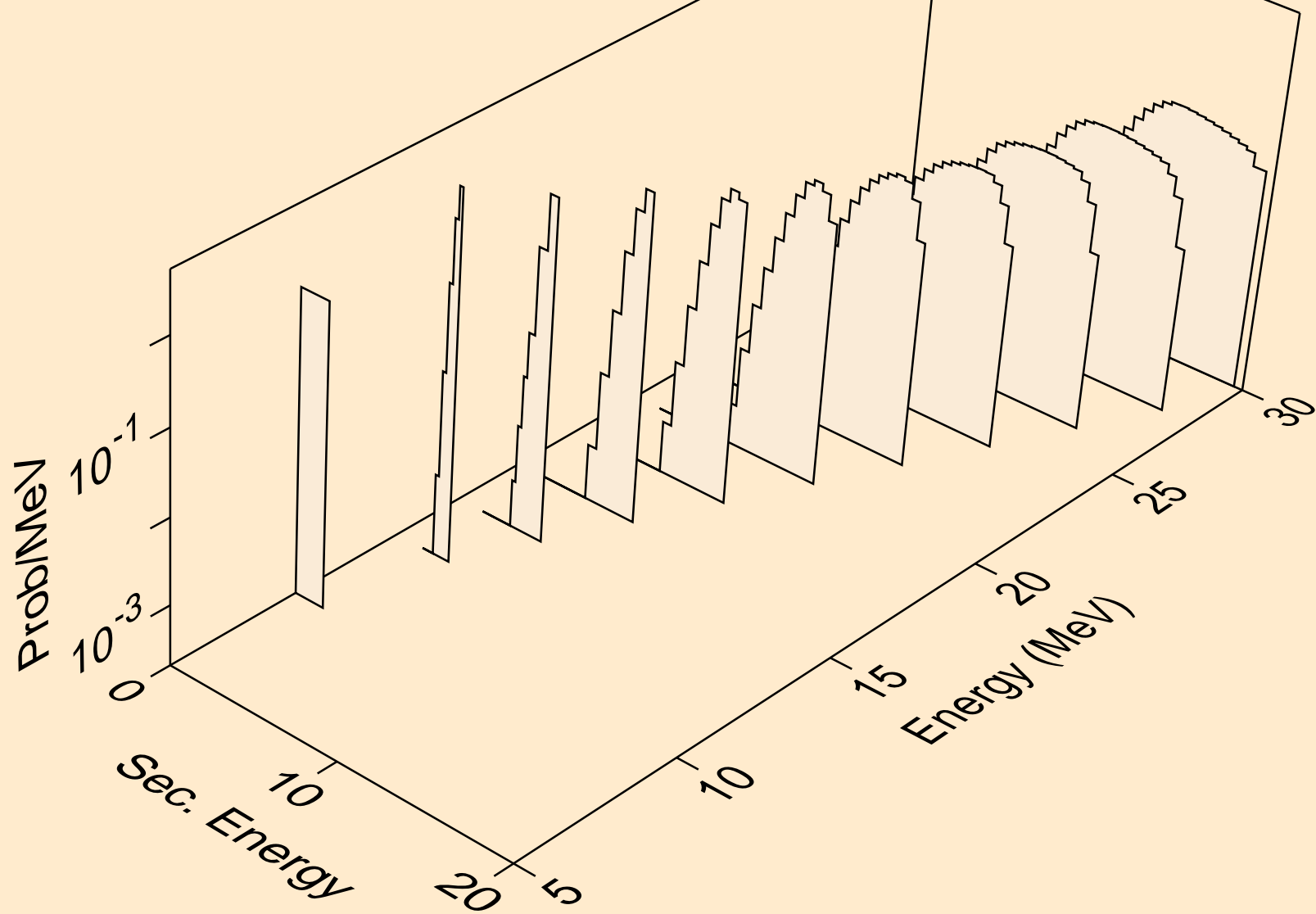
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he3s from (n,he3)



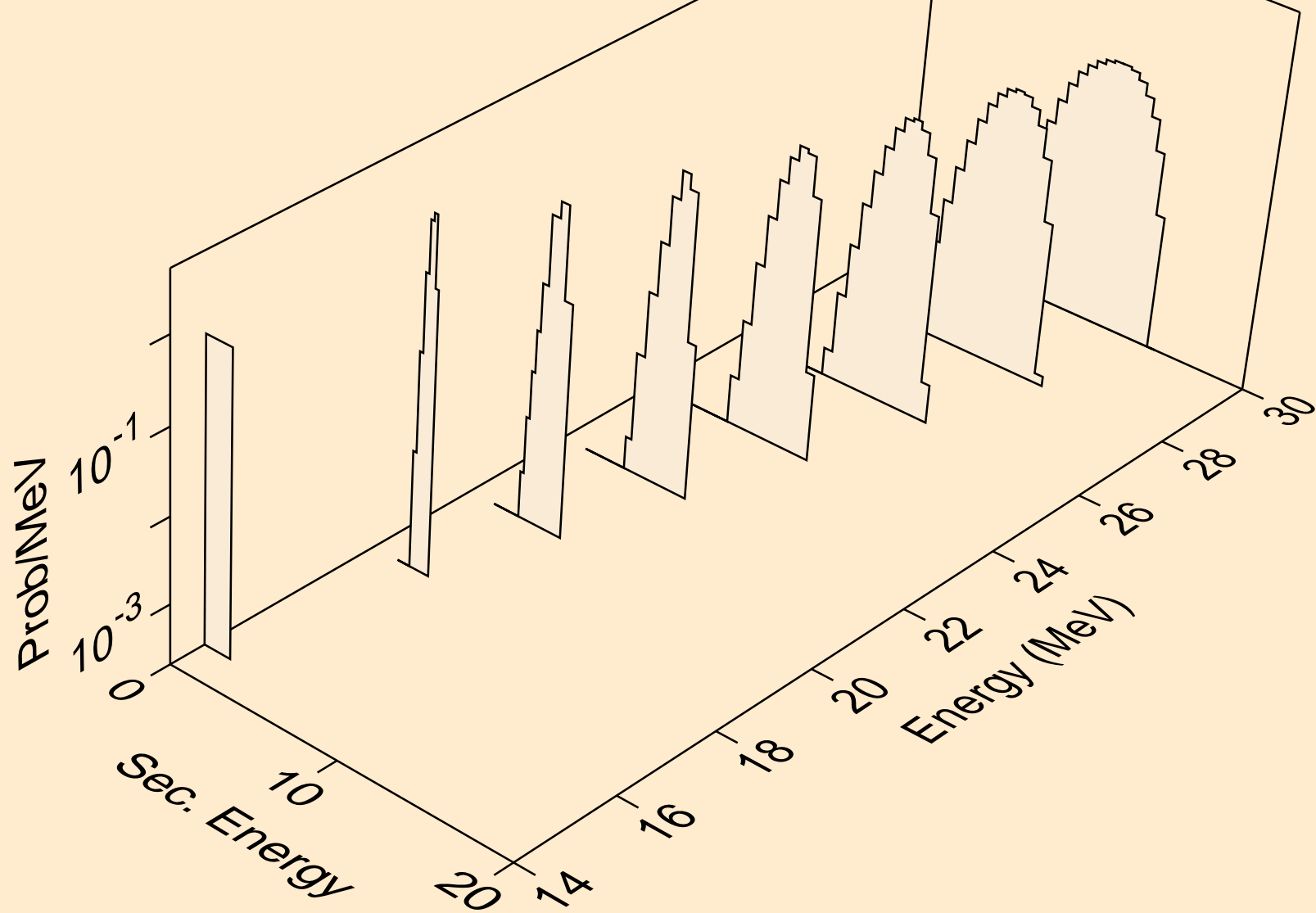
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alphas from (n,x)



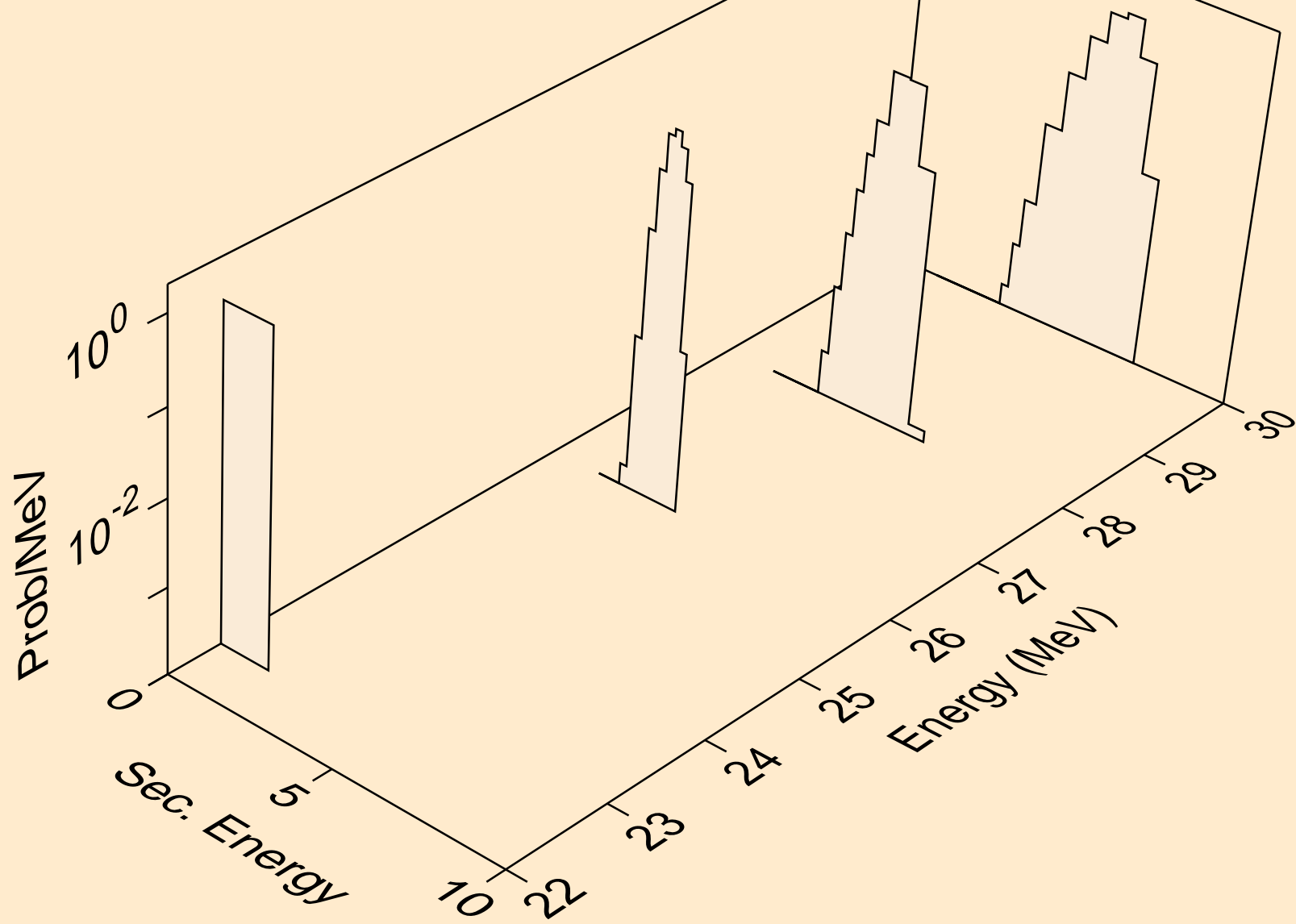
AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



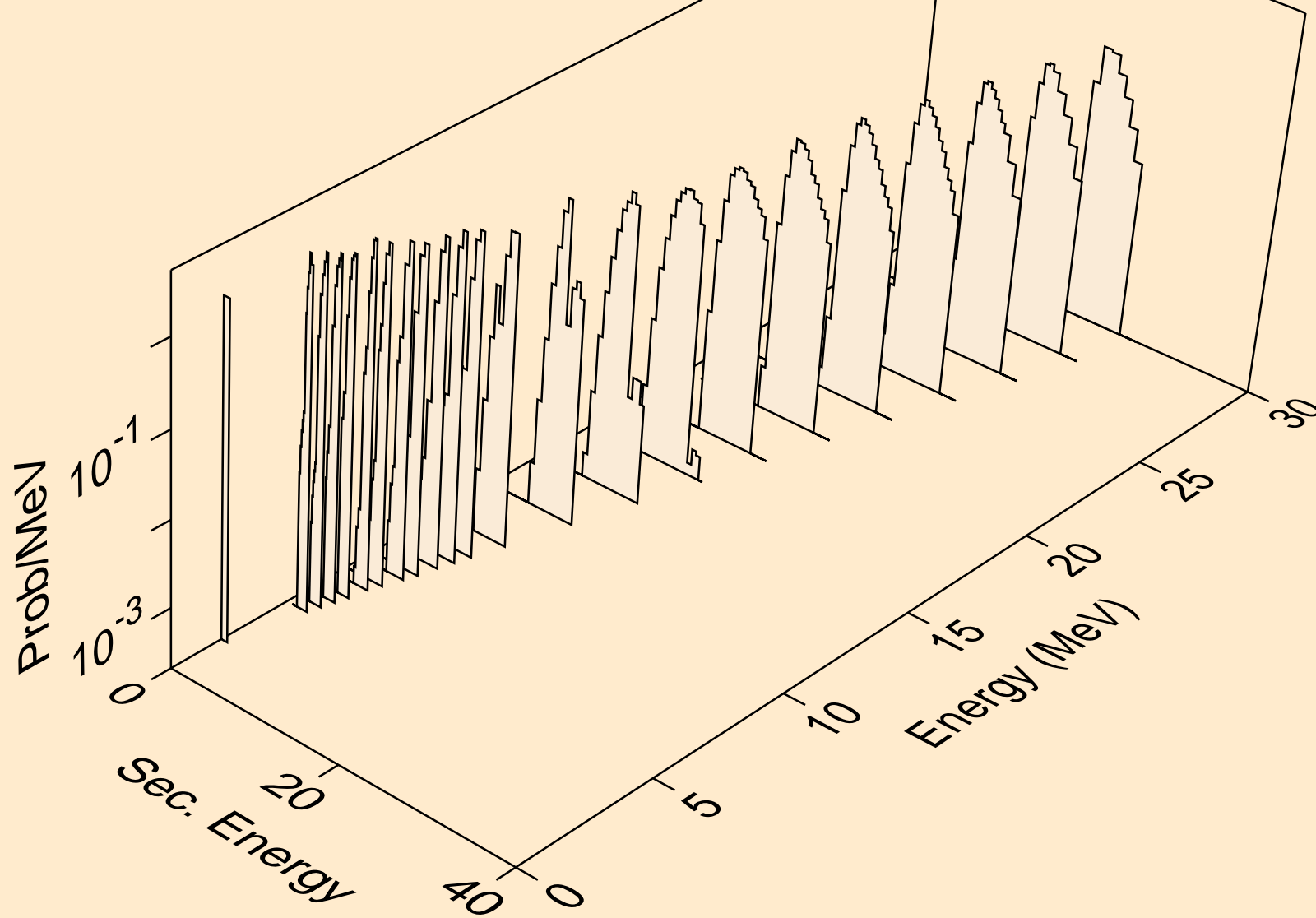
AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a



AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)





AS082M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)

