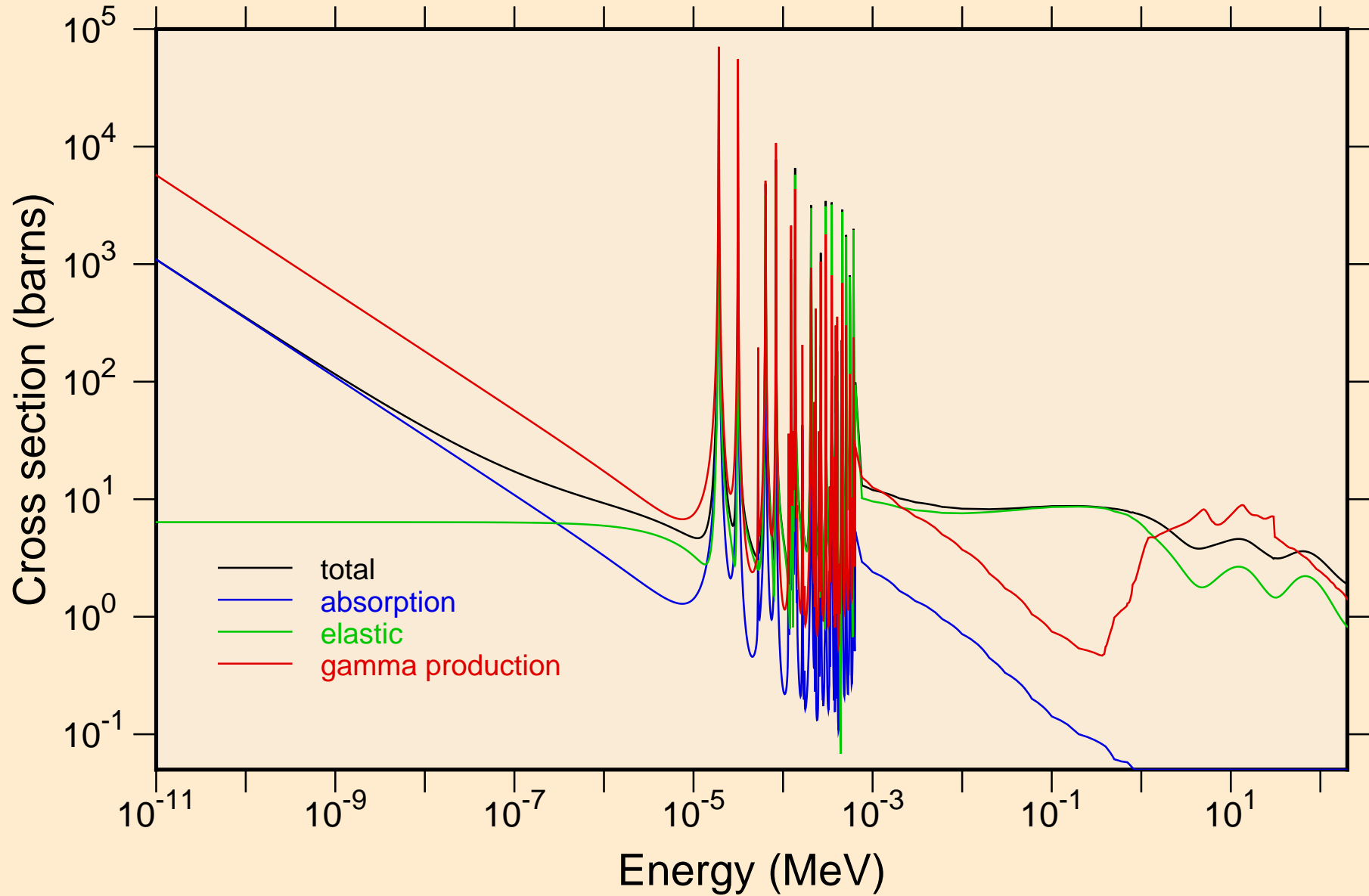
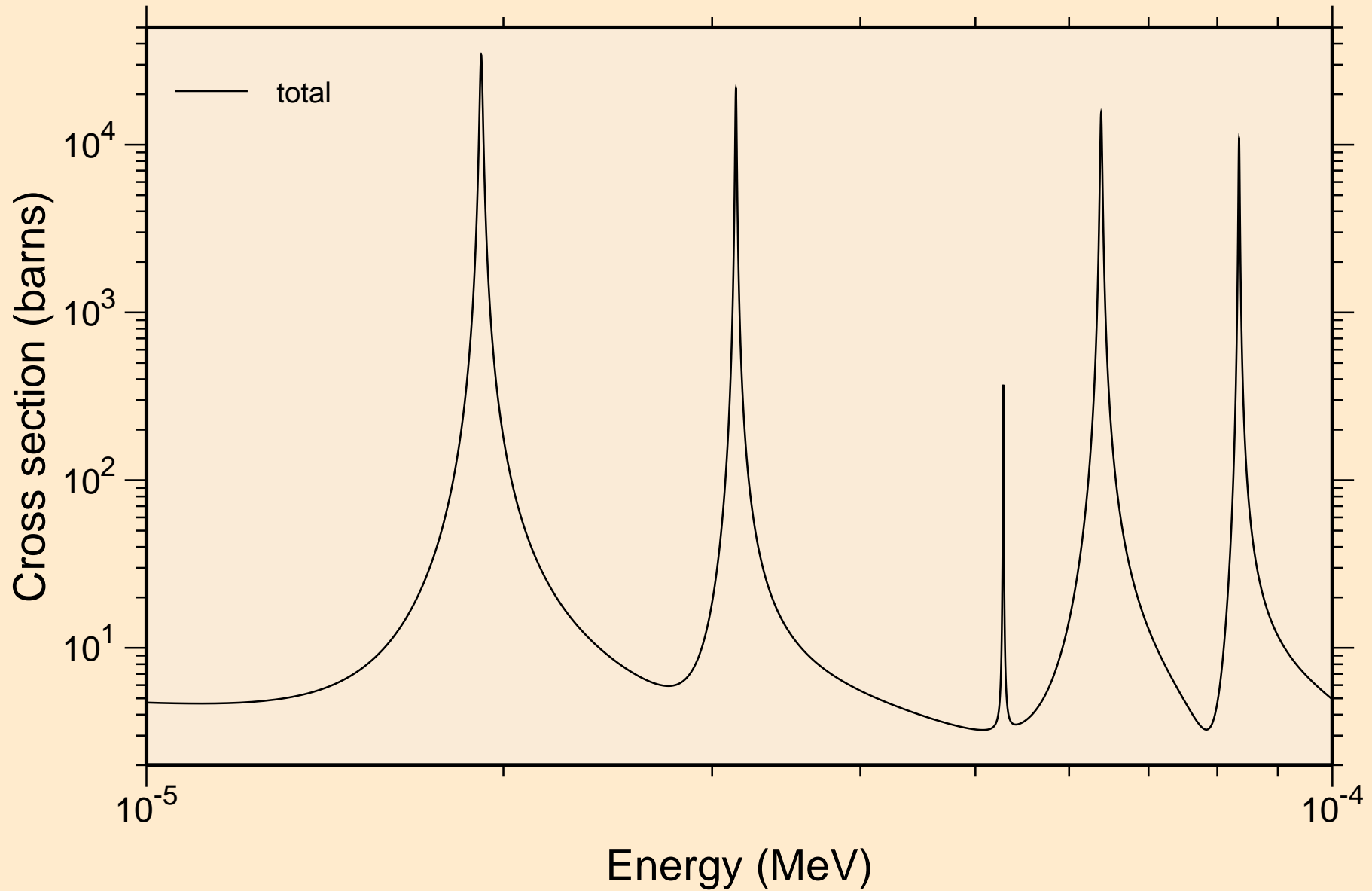


# RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

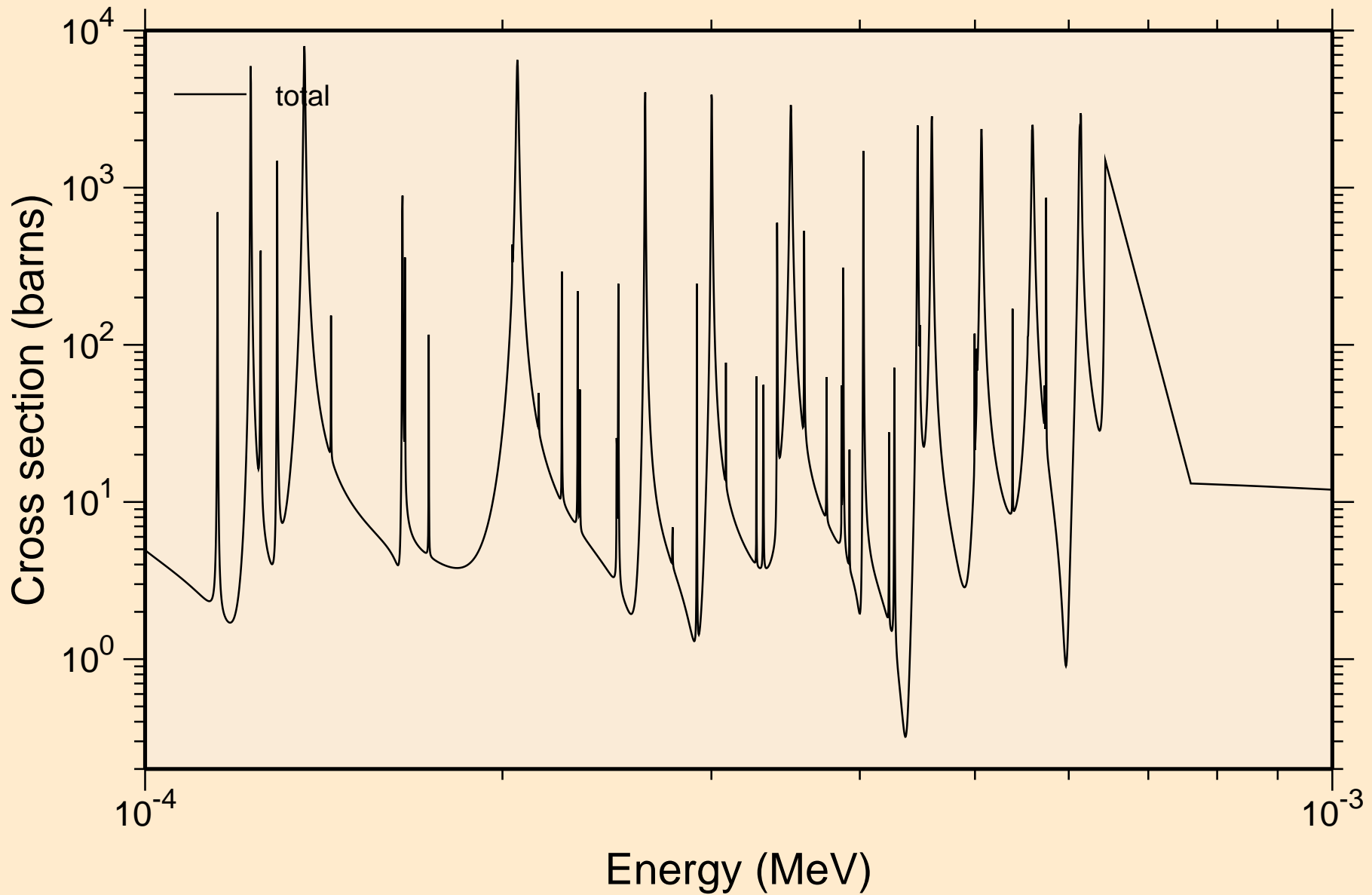
## Principal cross sections



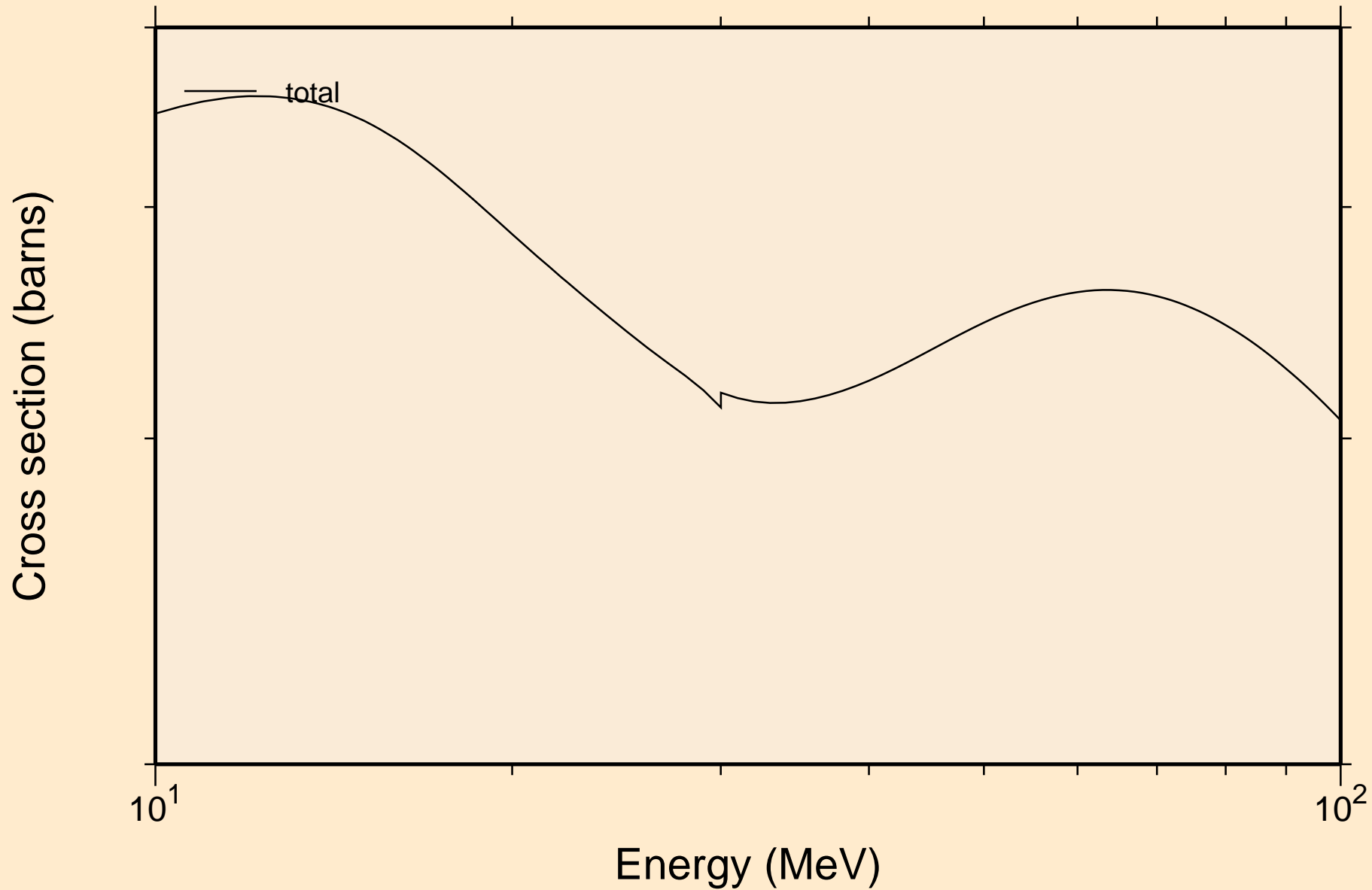
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resonance total cross section



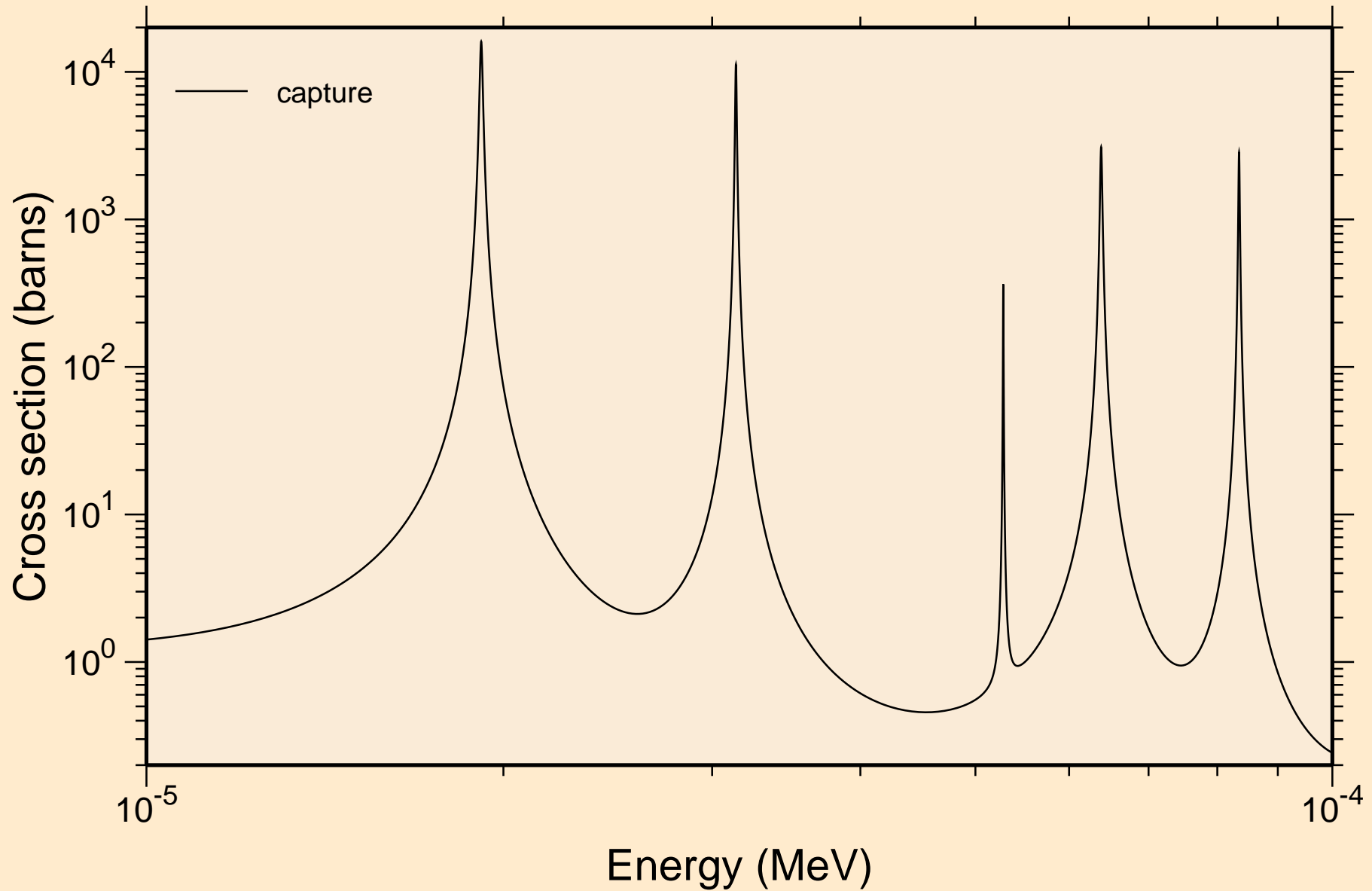
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resonance total cross section



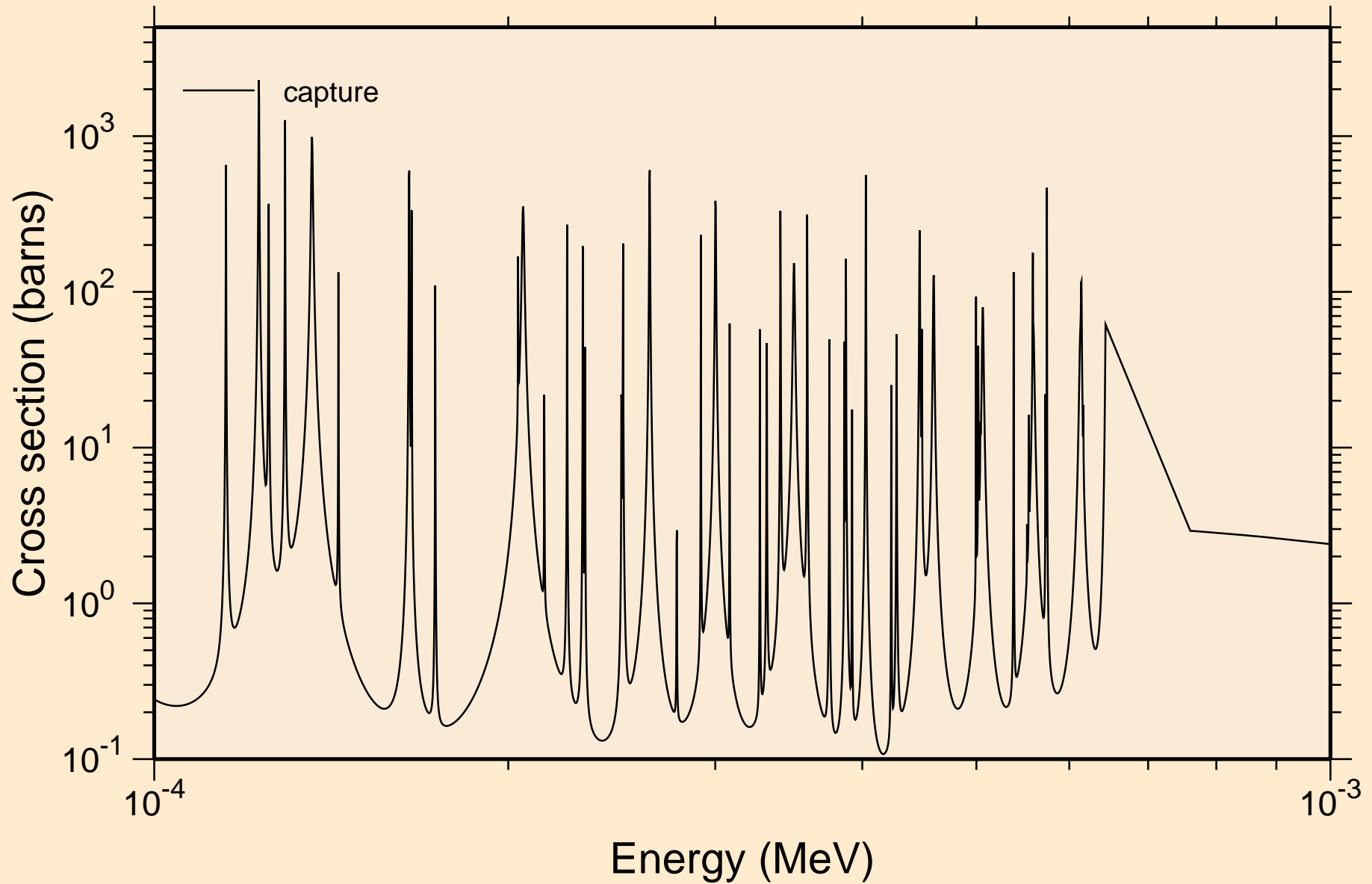
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resonance total cross section



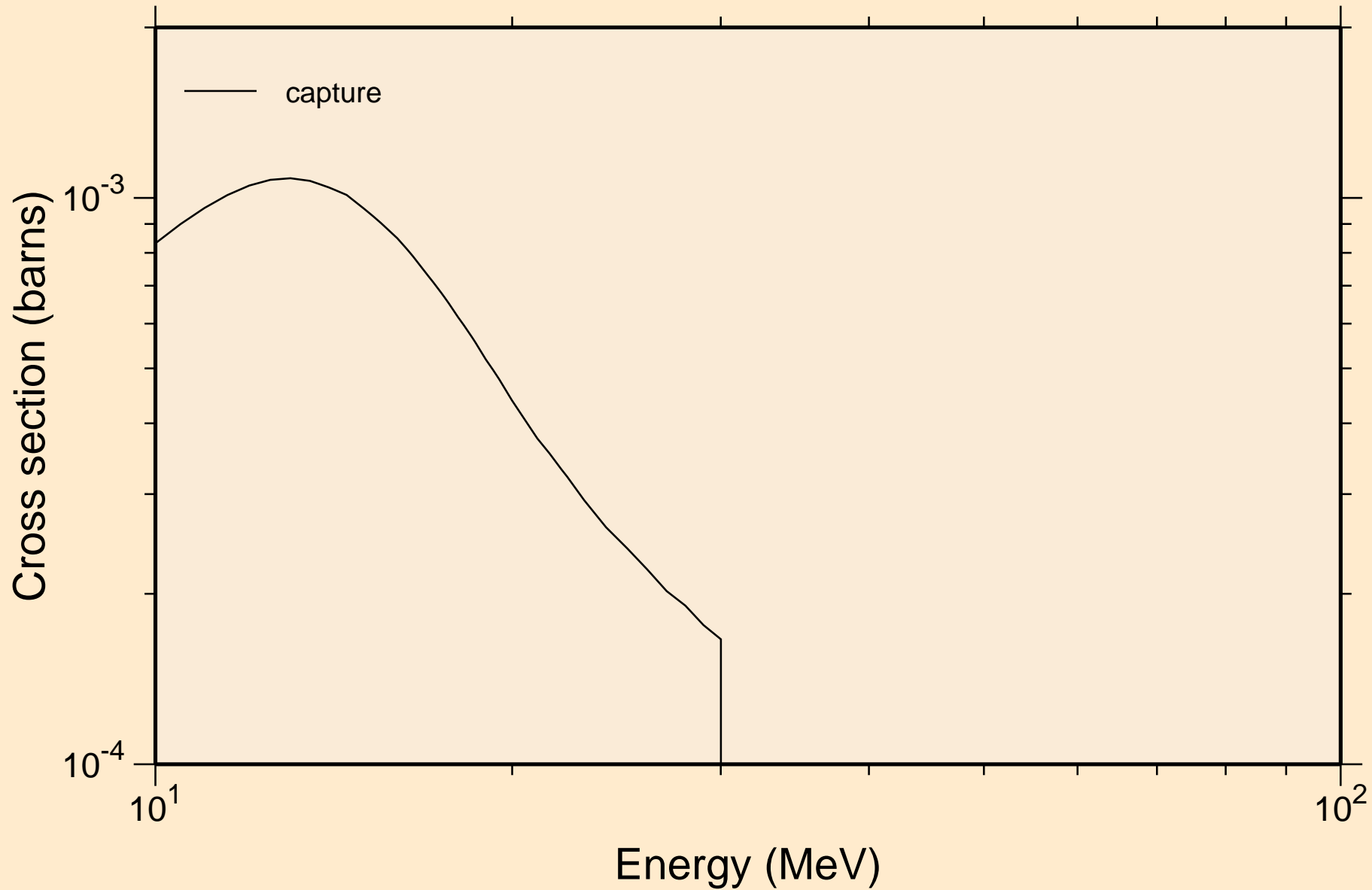
RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



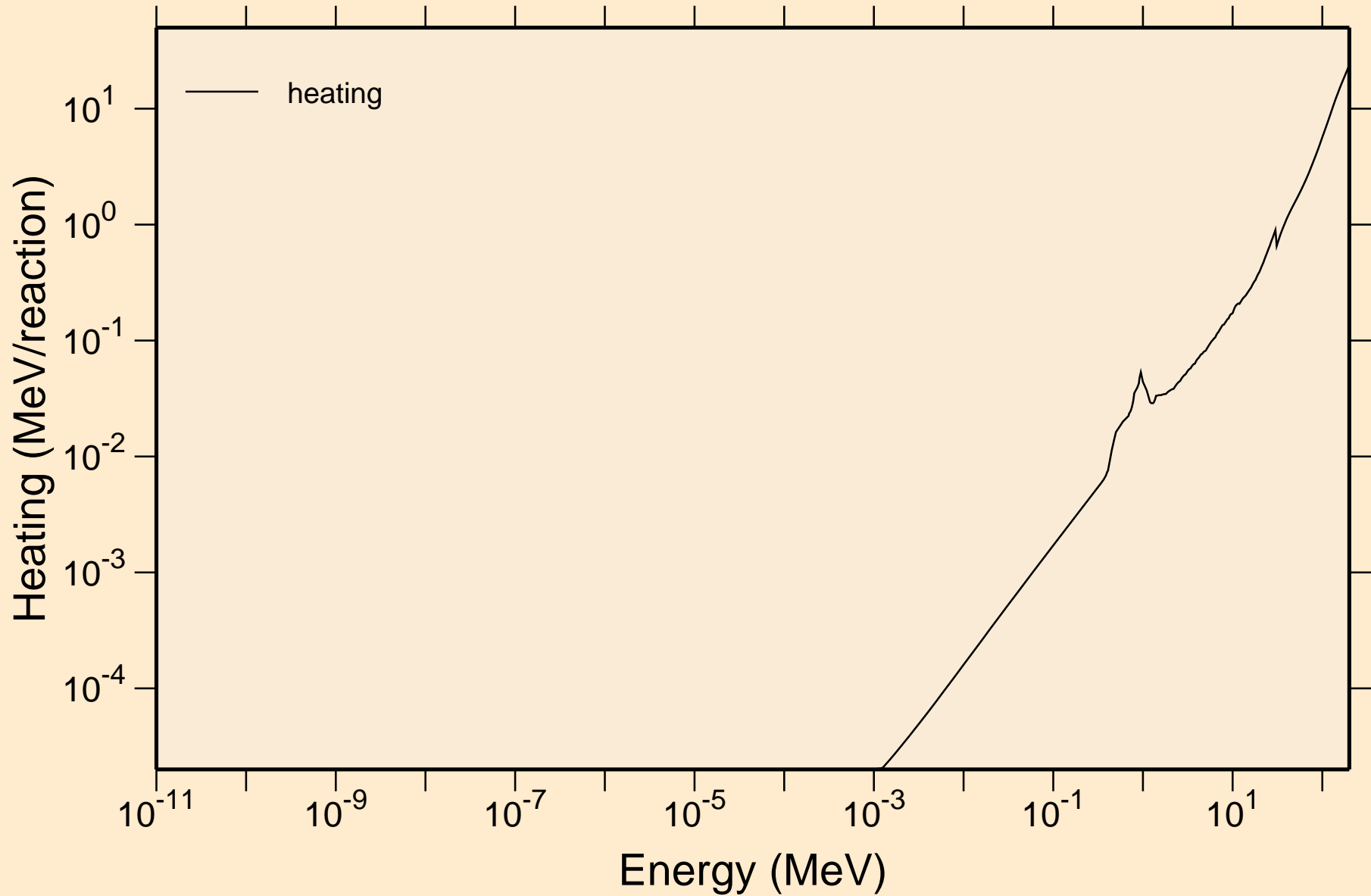
RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



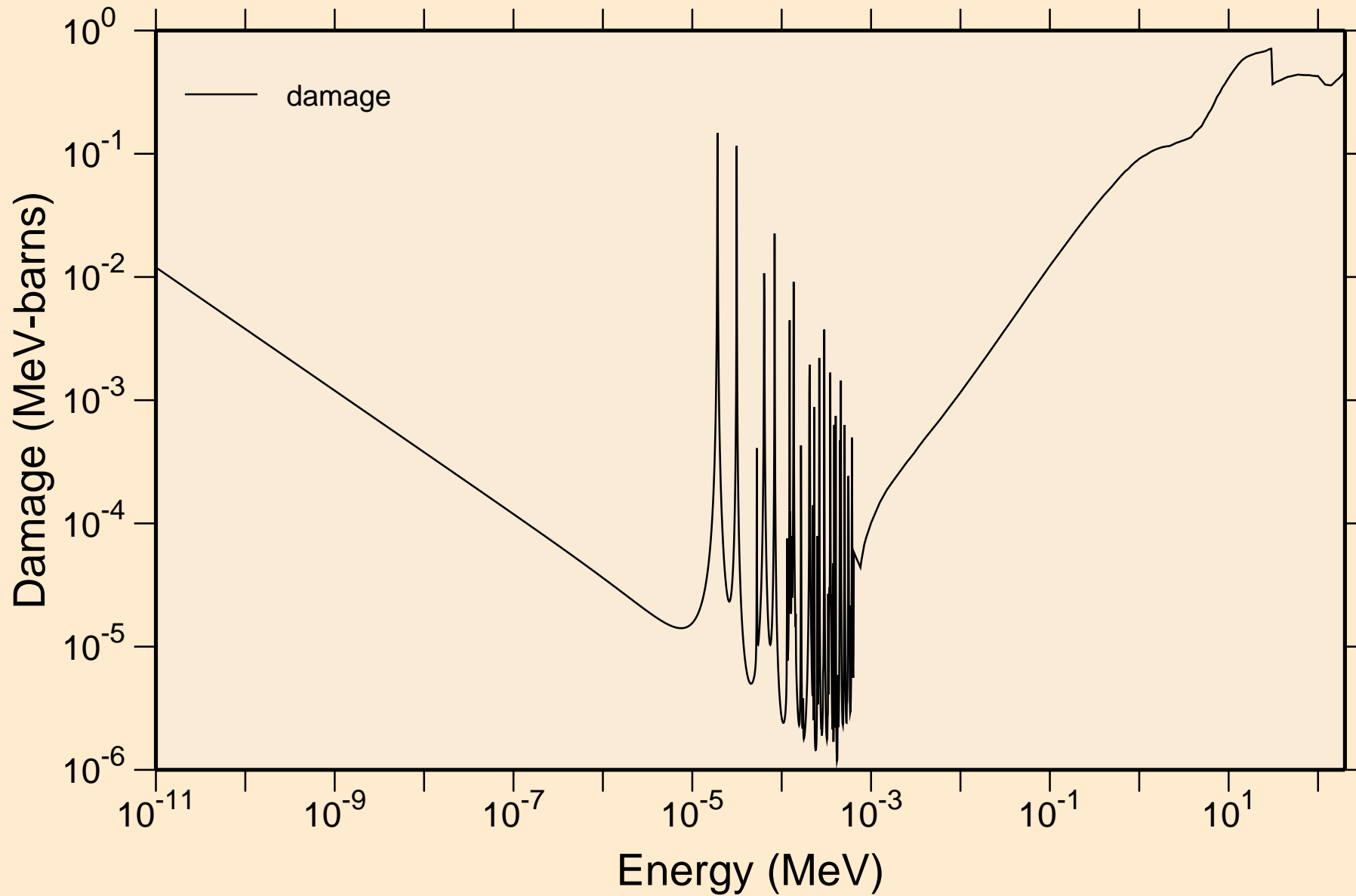
RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



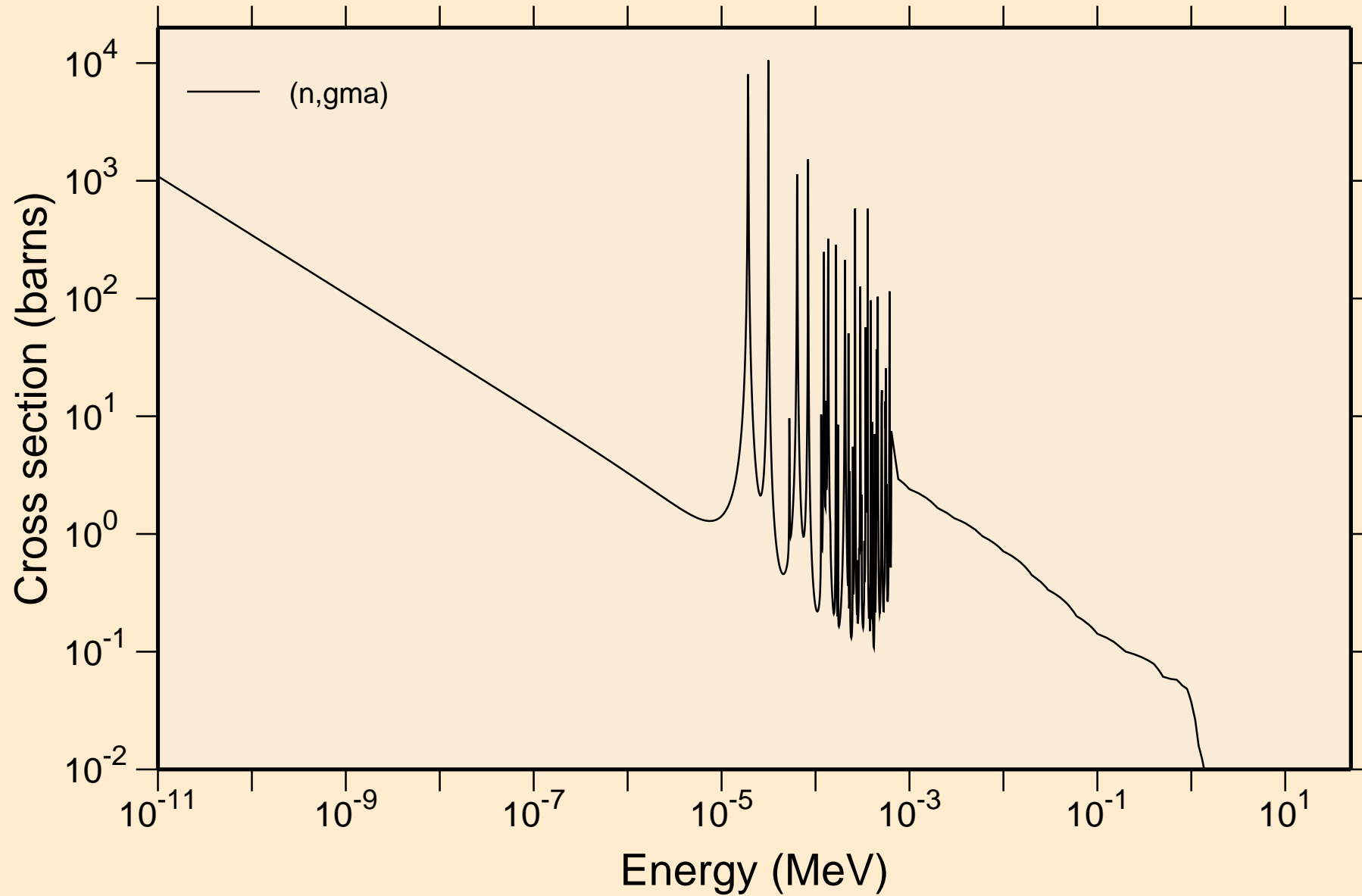


# RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage

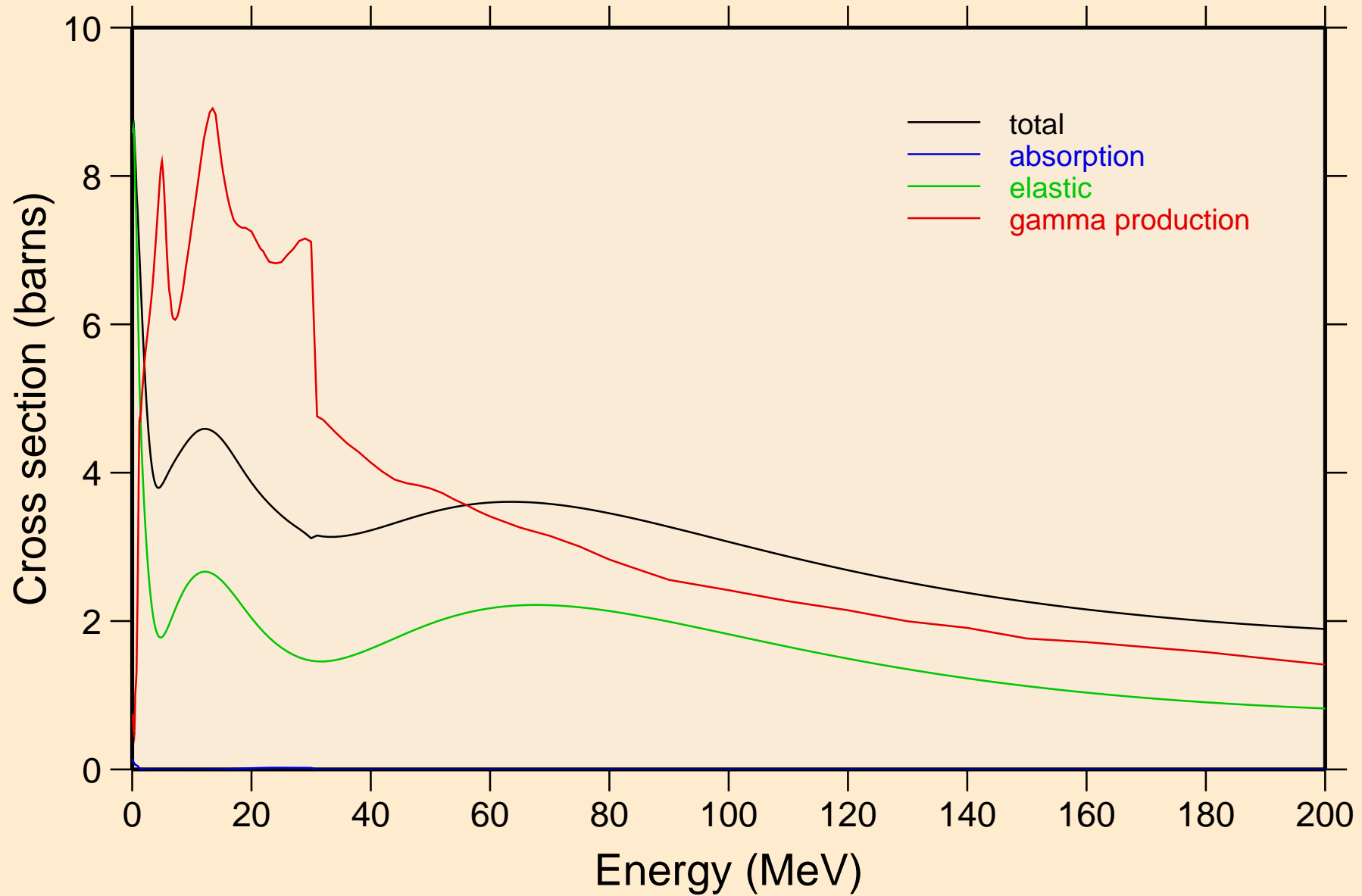


RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



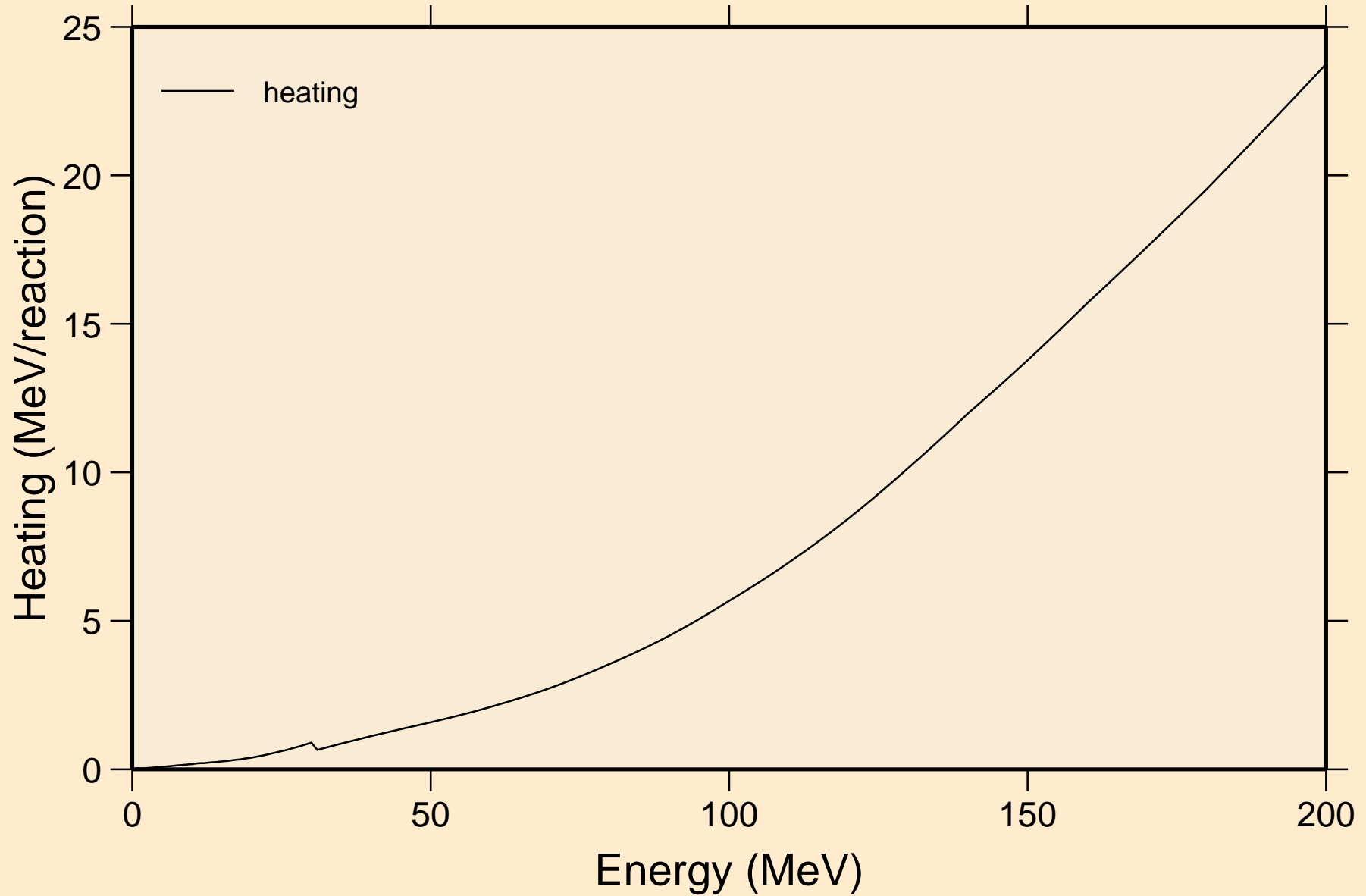
# RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

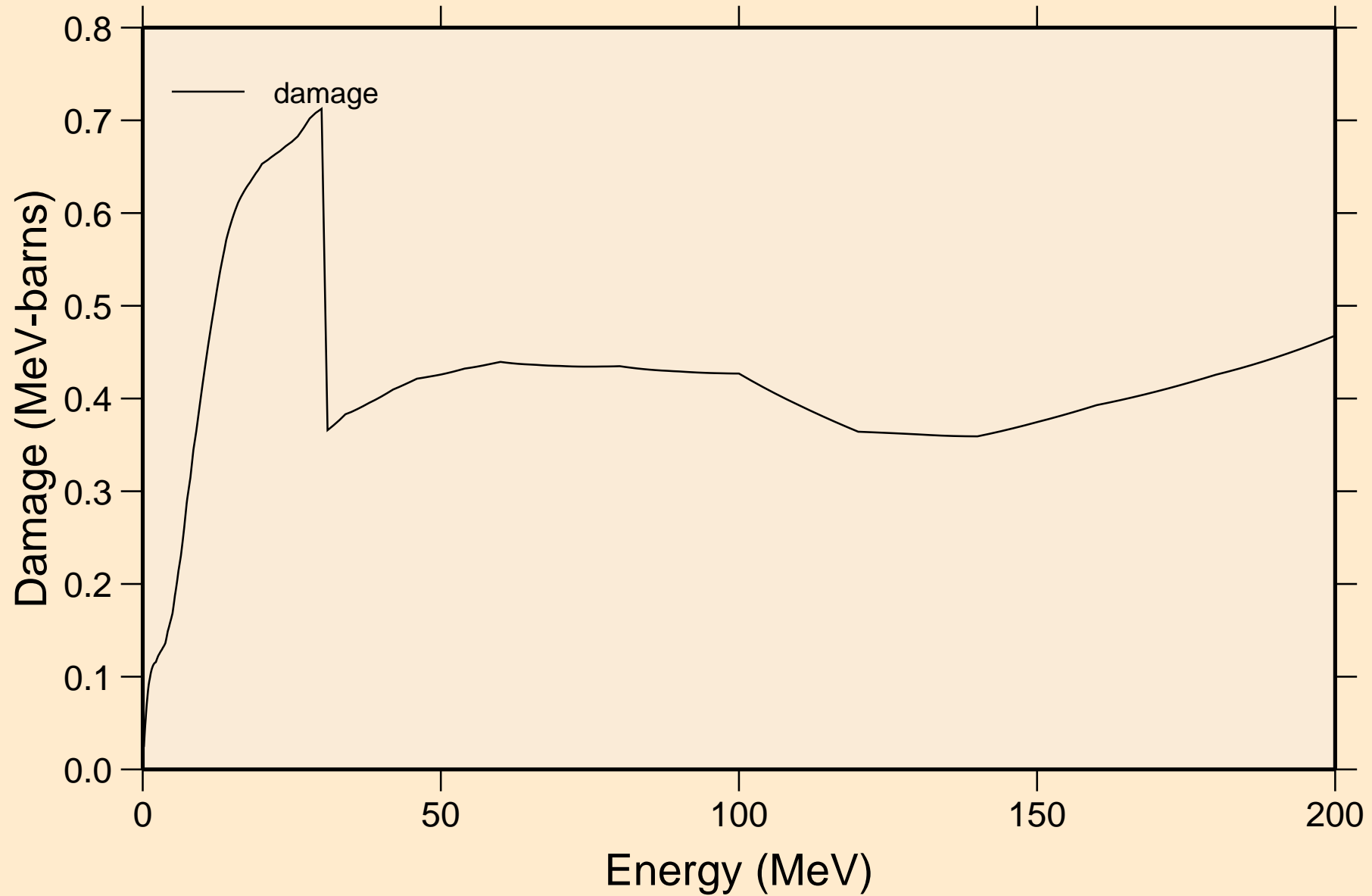


# RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

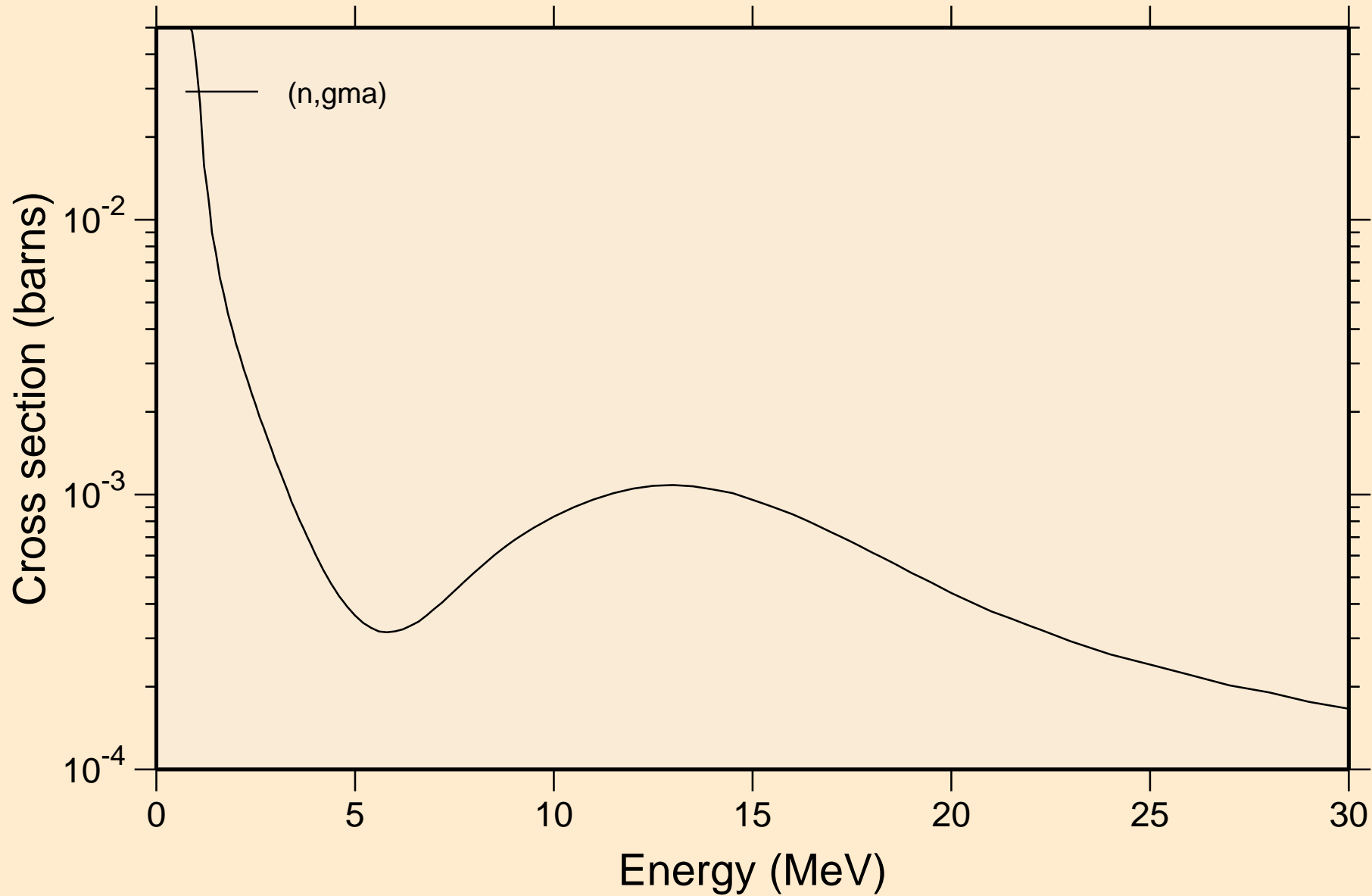
## Heating



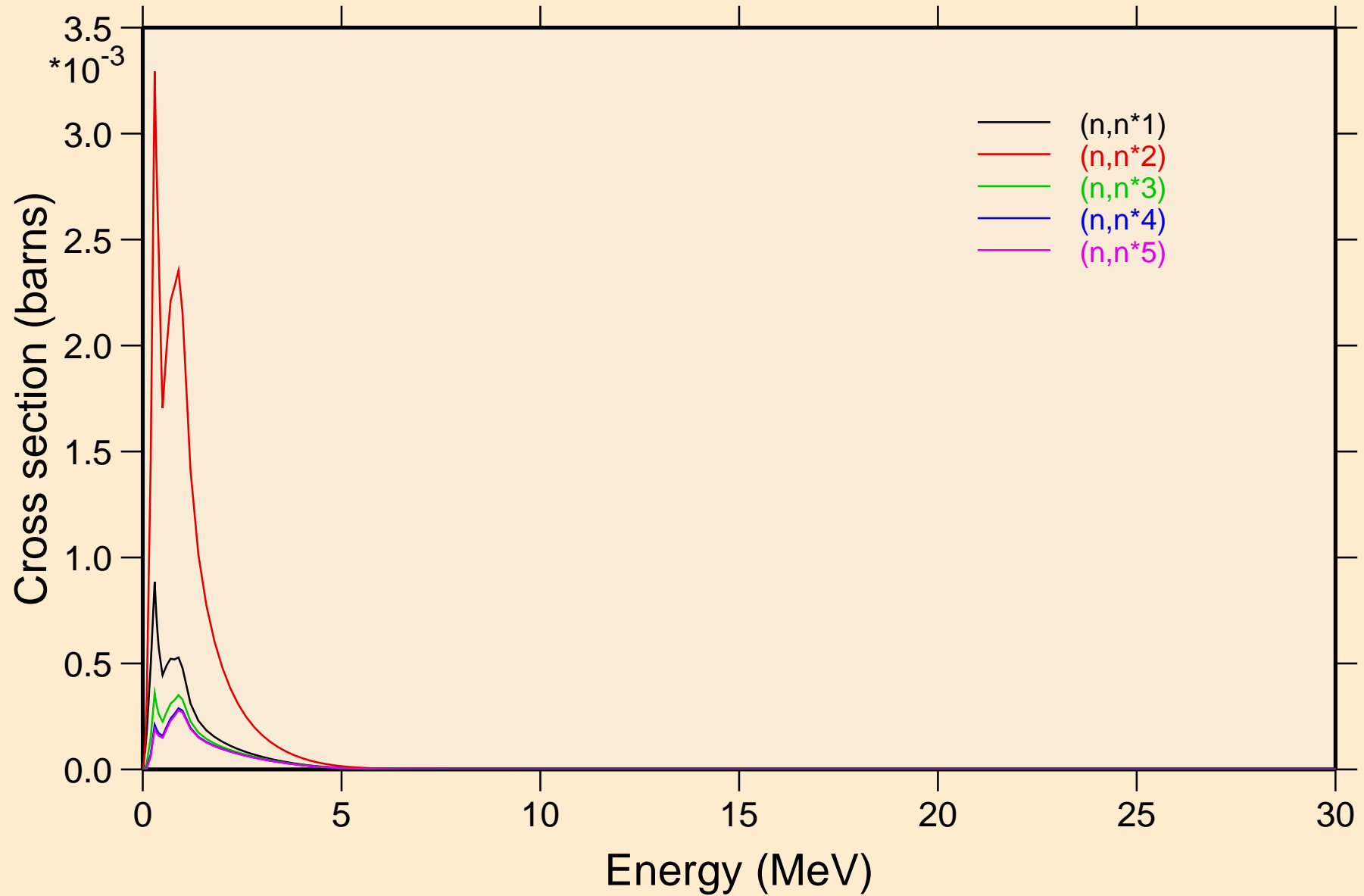
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Damage



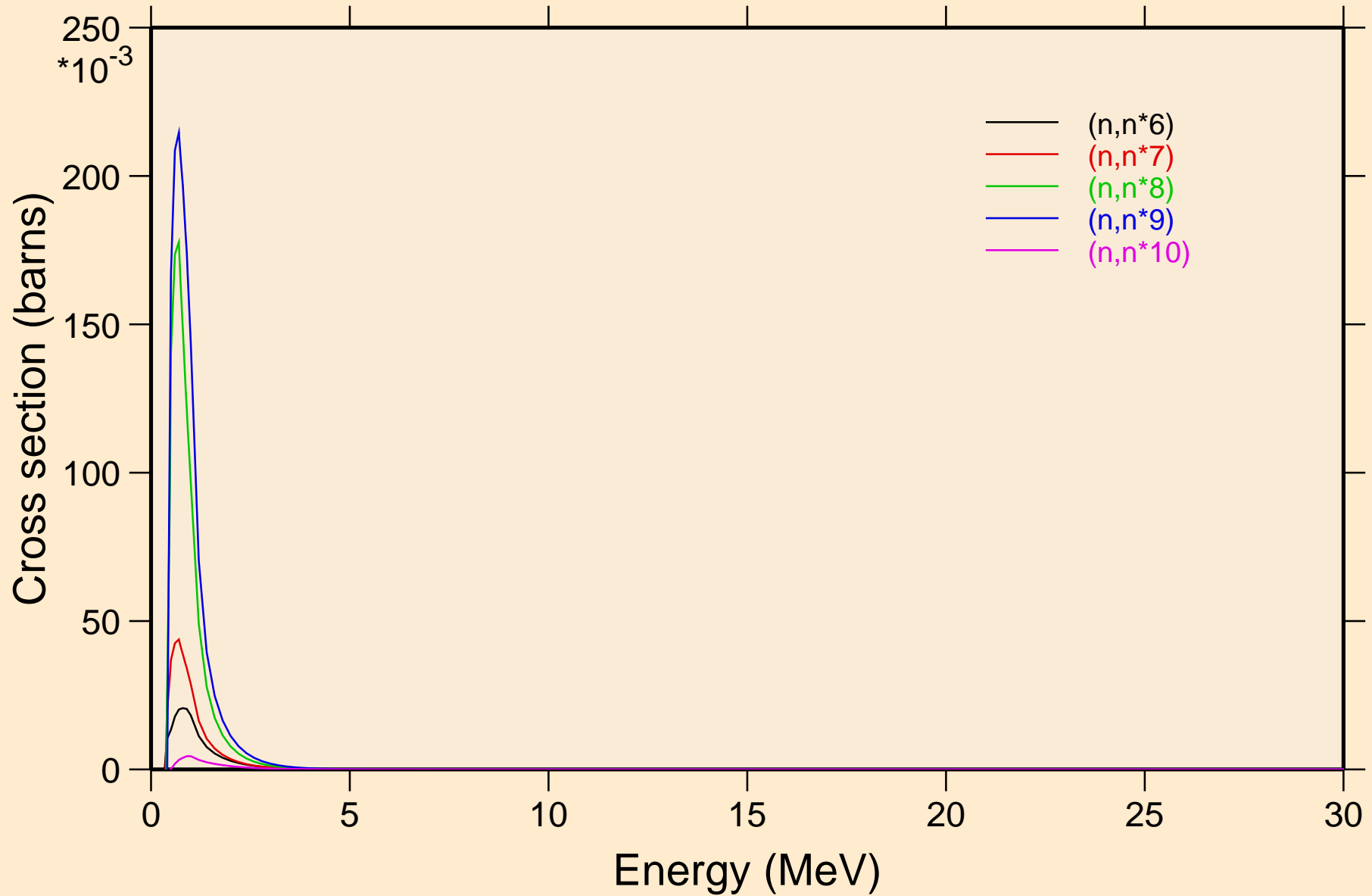
RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

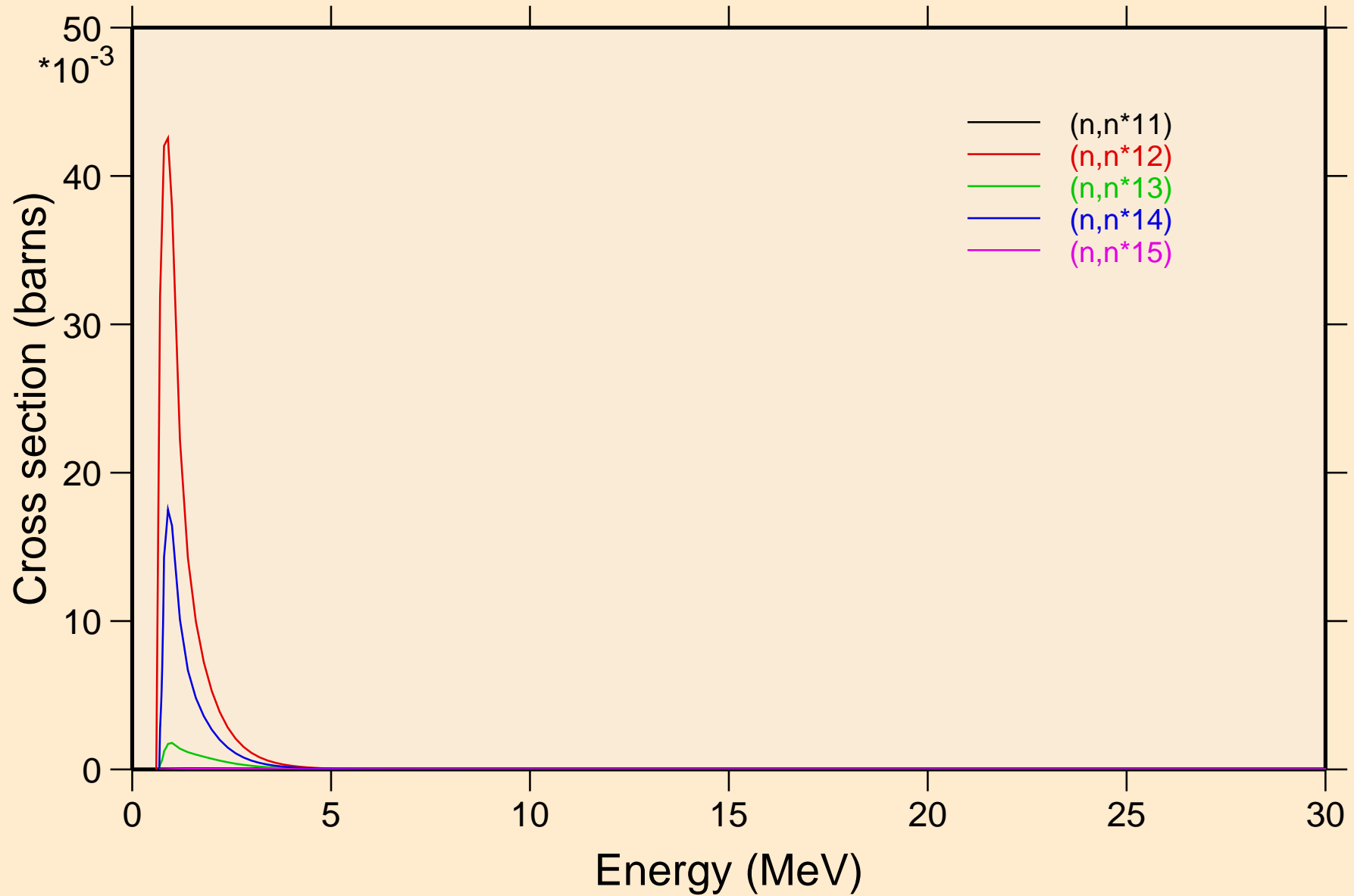


RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



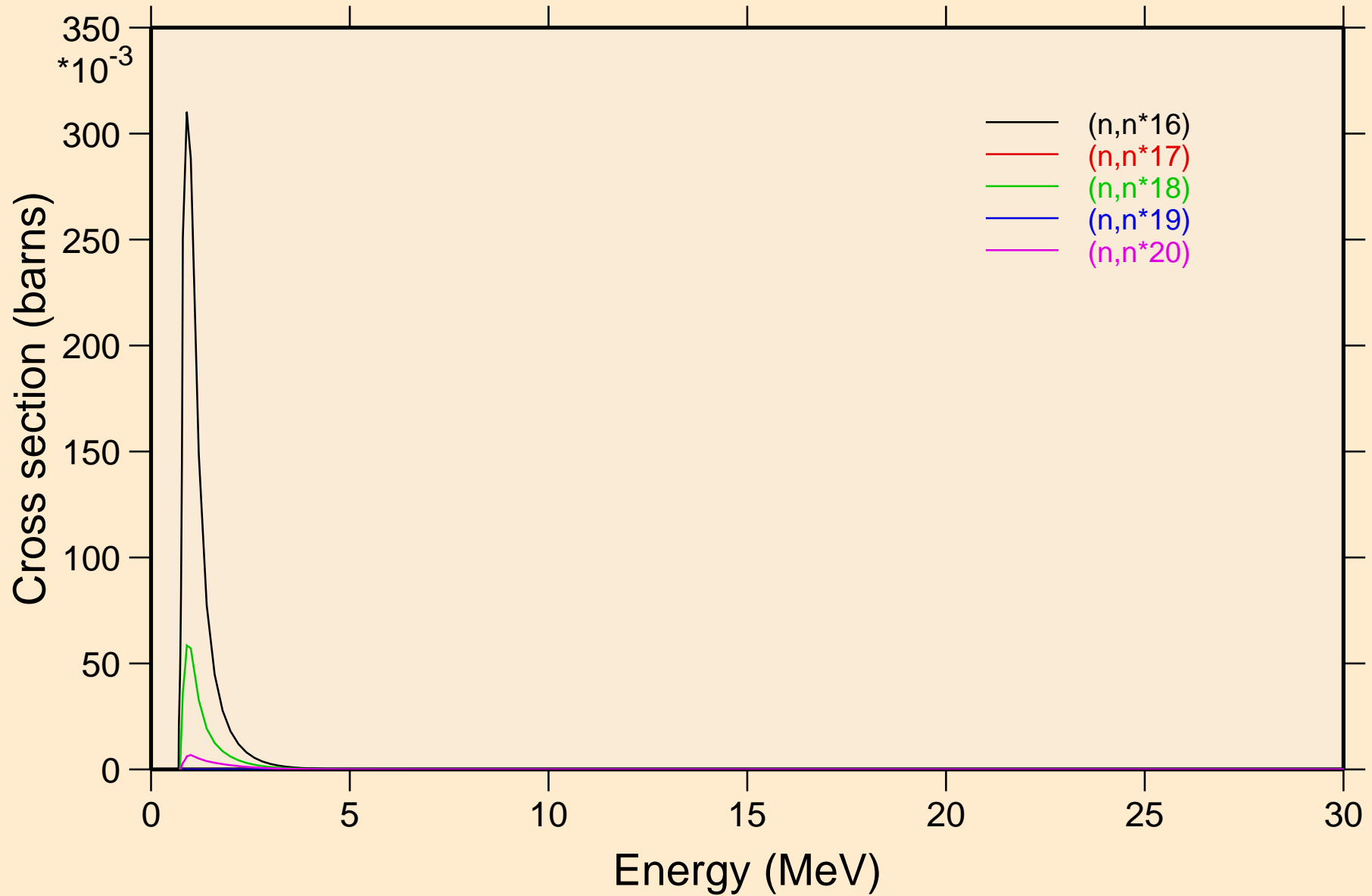


RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

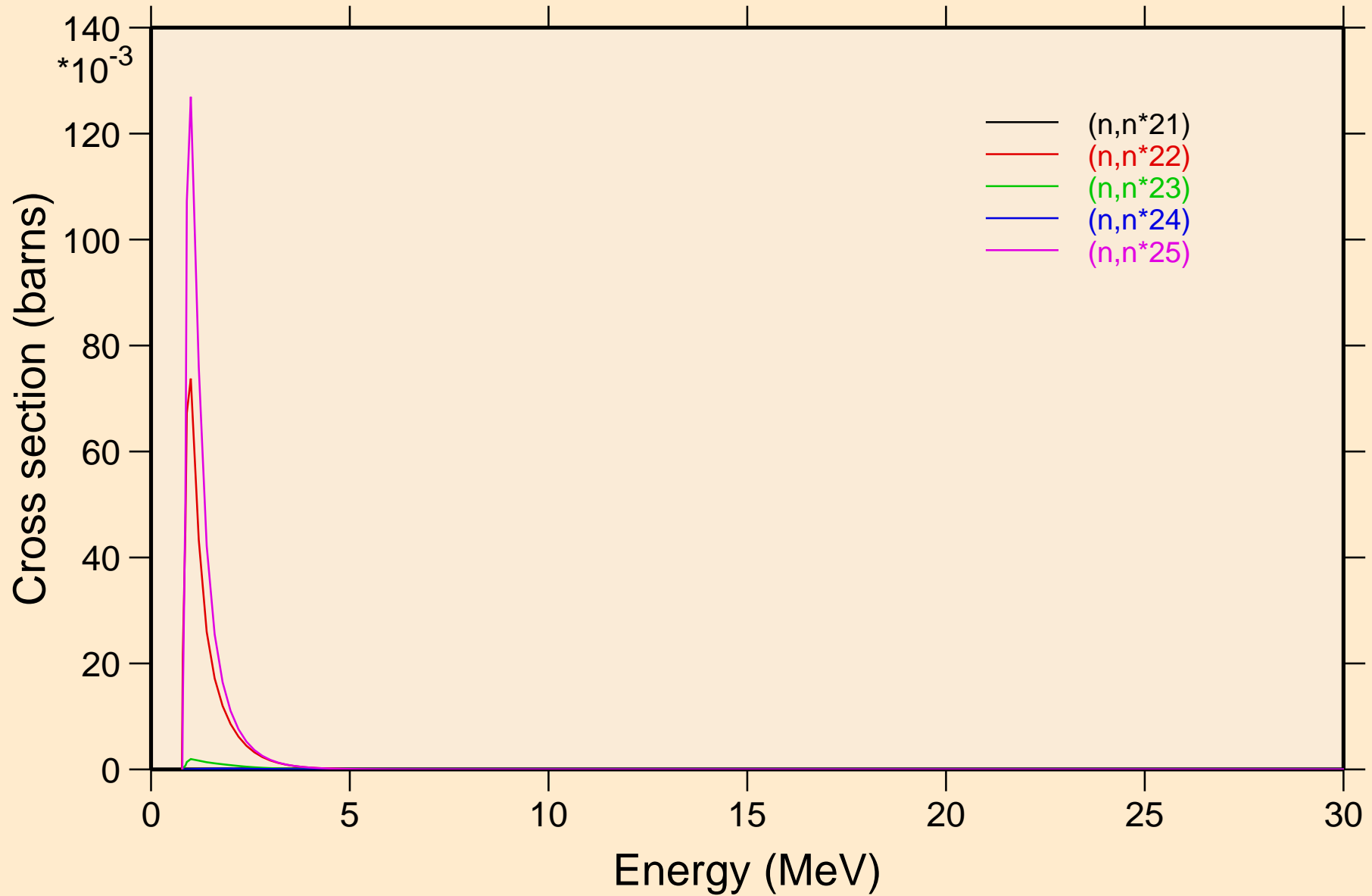


# RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

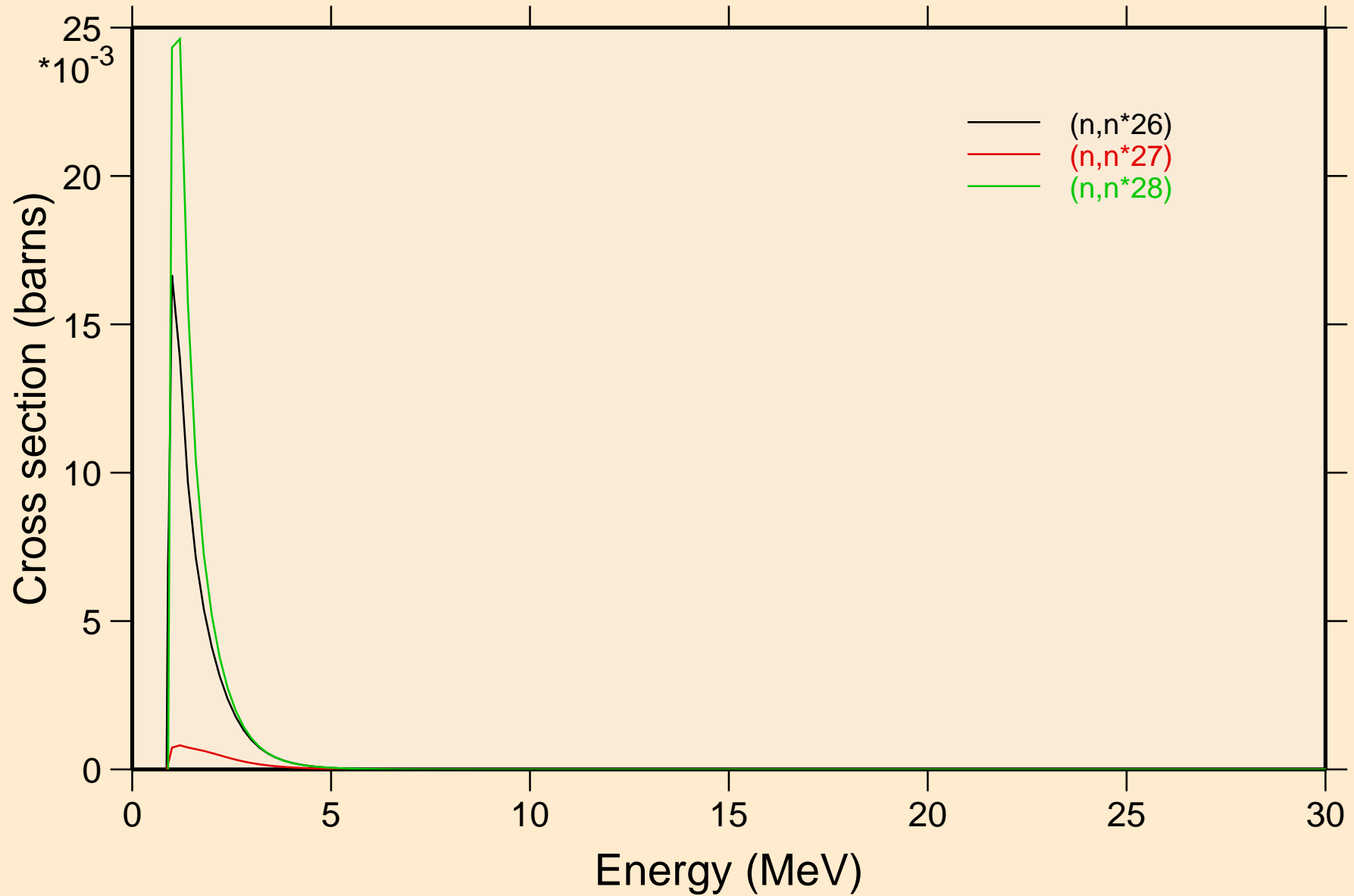
## Inelastic levels



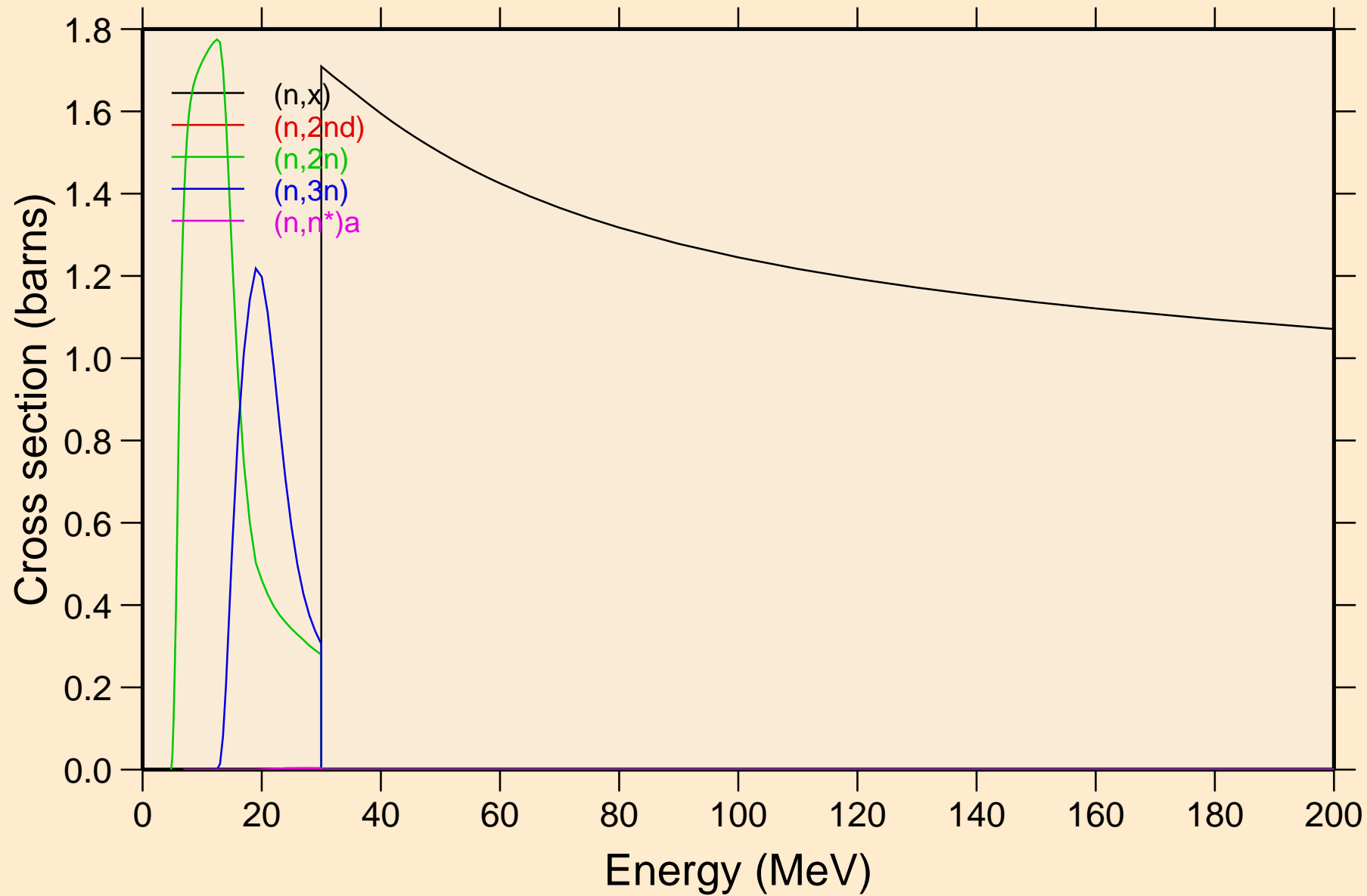
RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

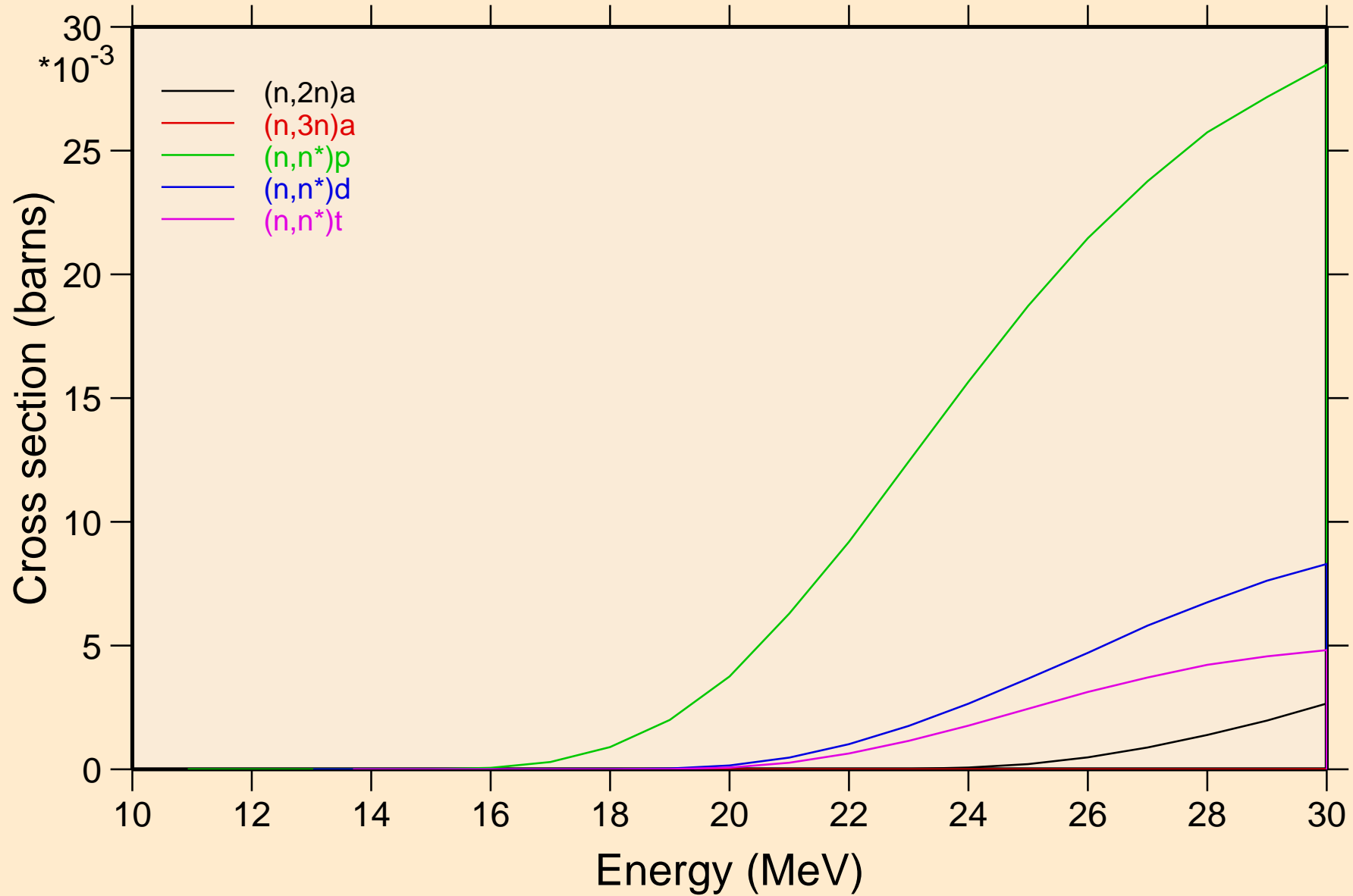


RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

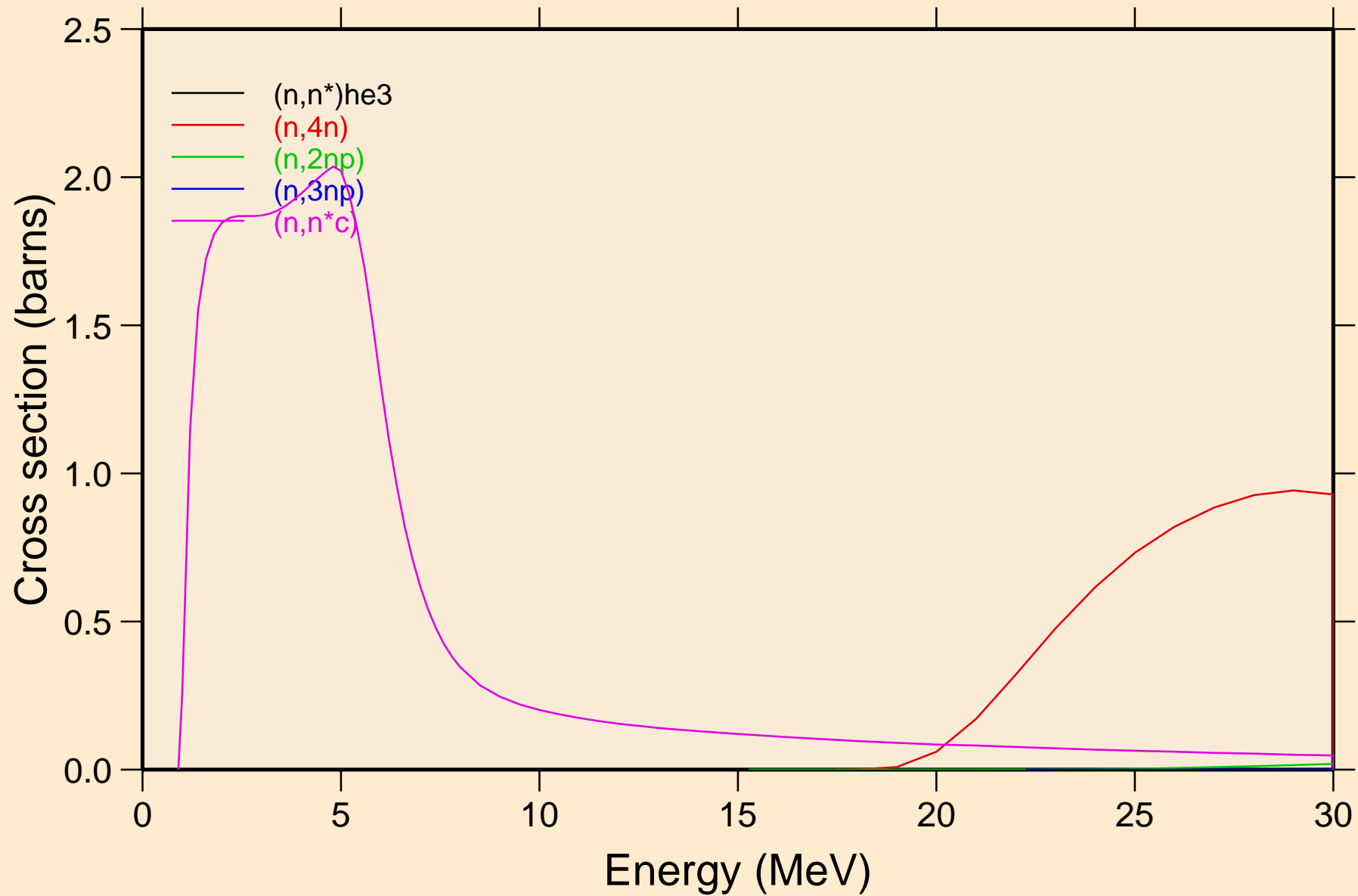


# RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

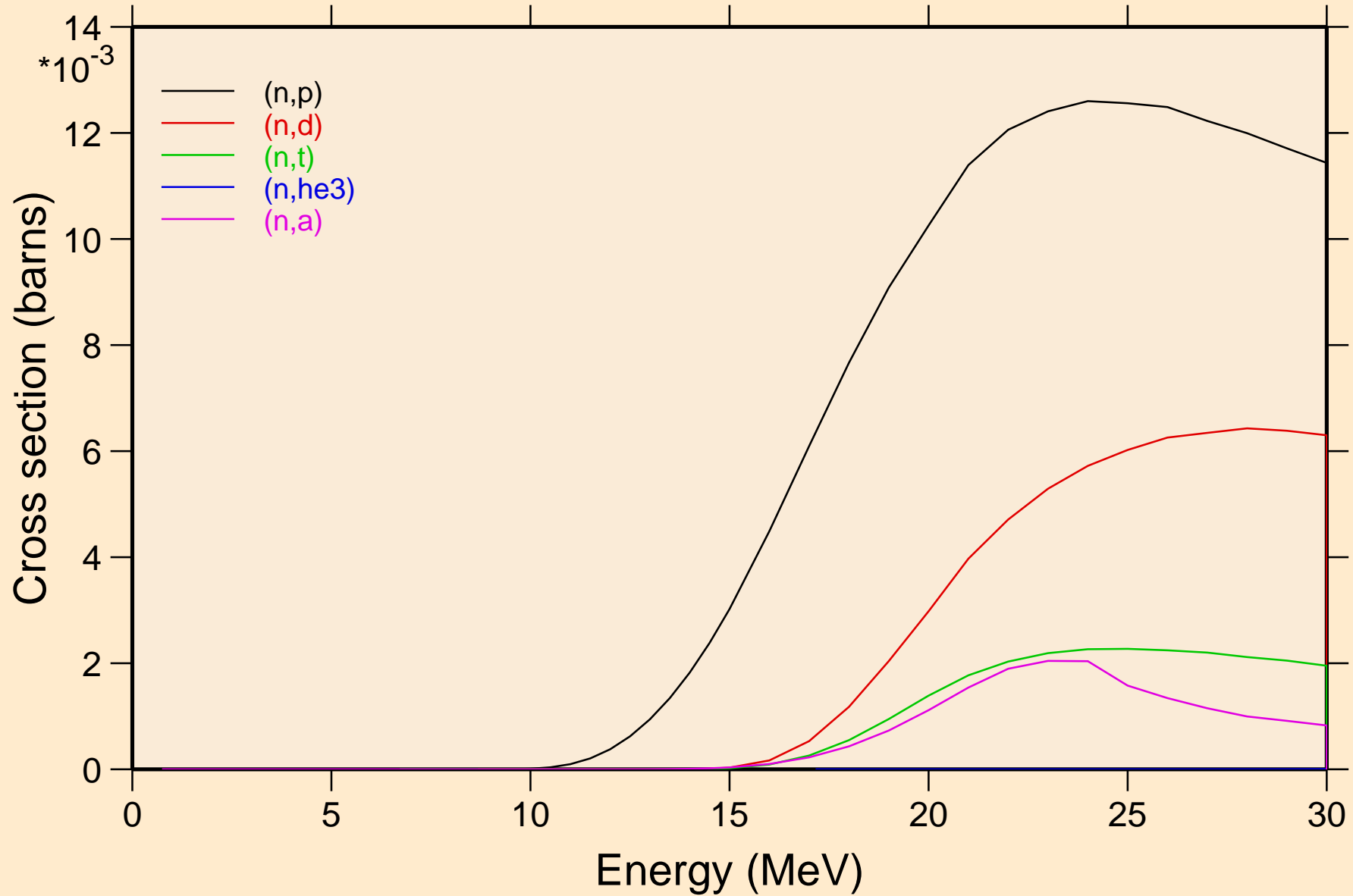
## Threshold reactions



RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



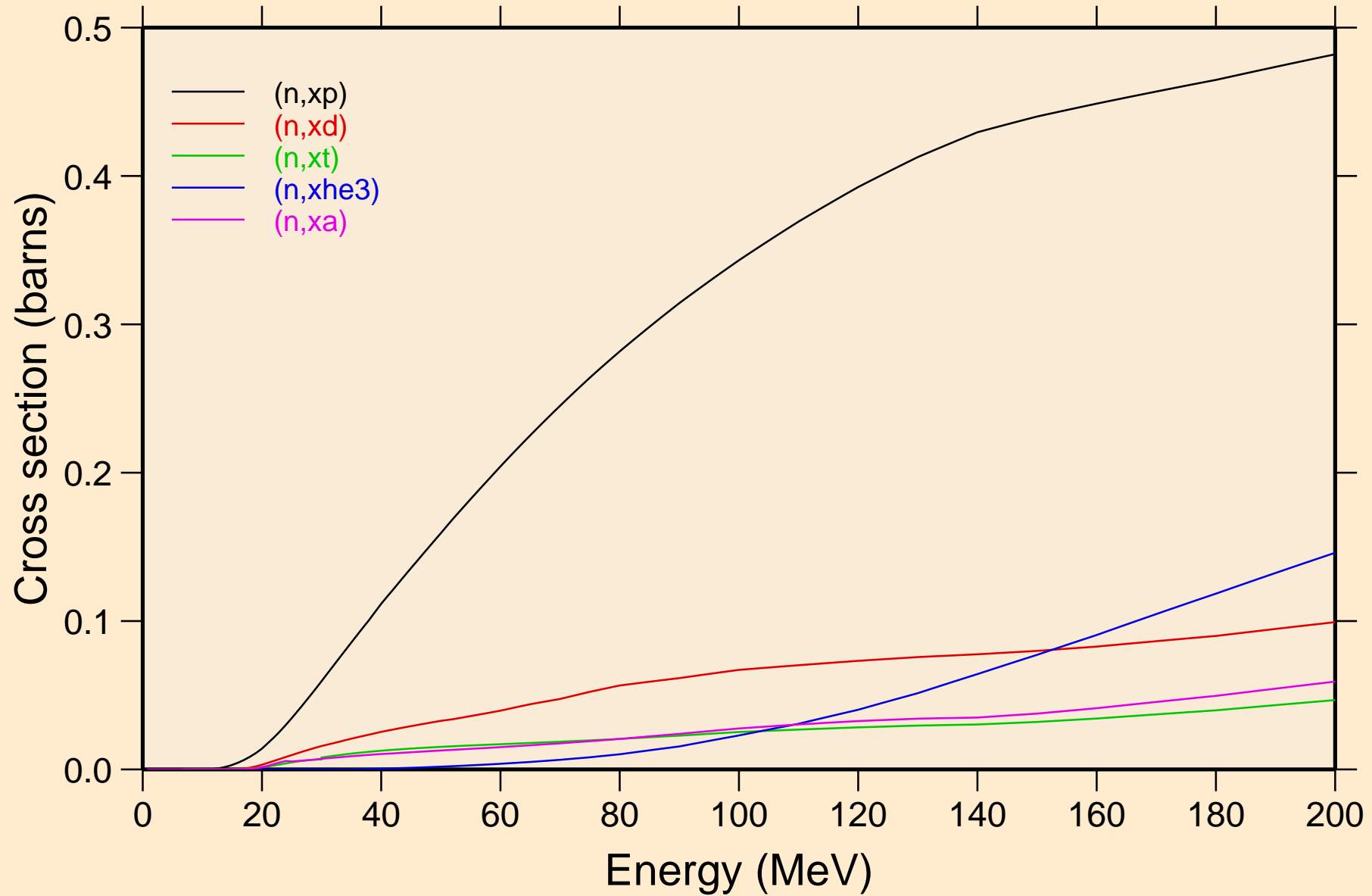
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Threshold reactions



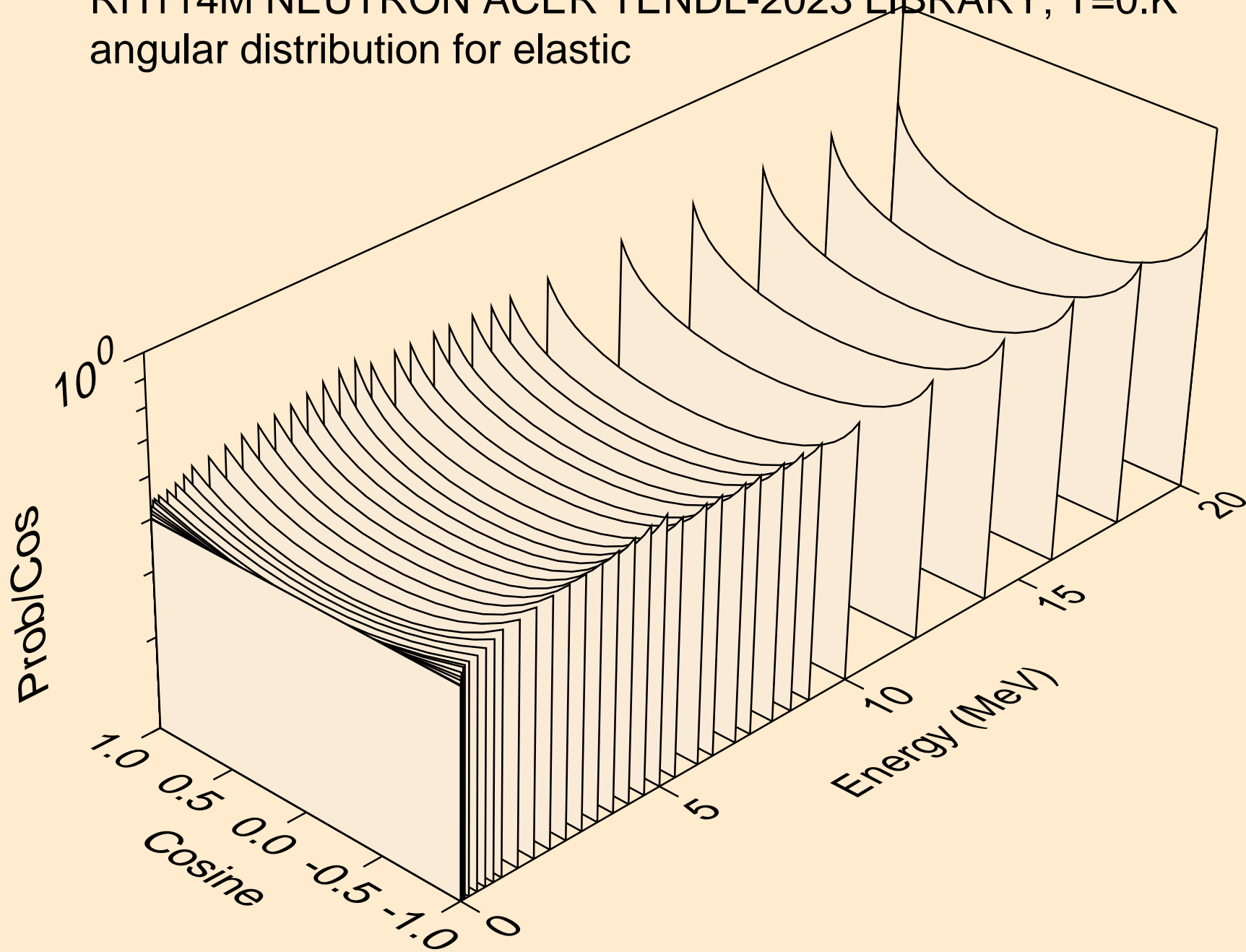


# RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

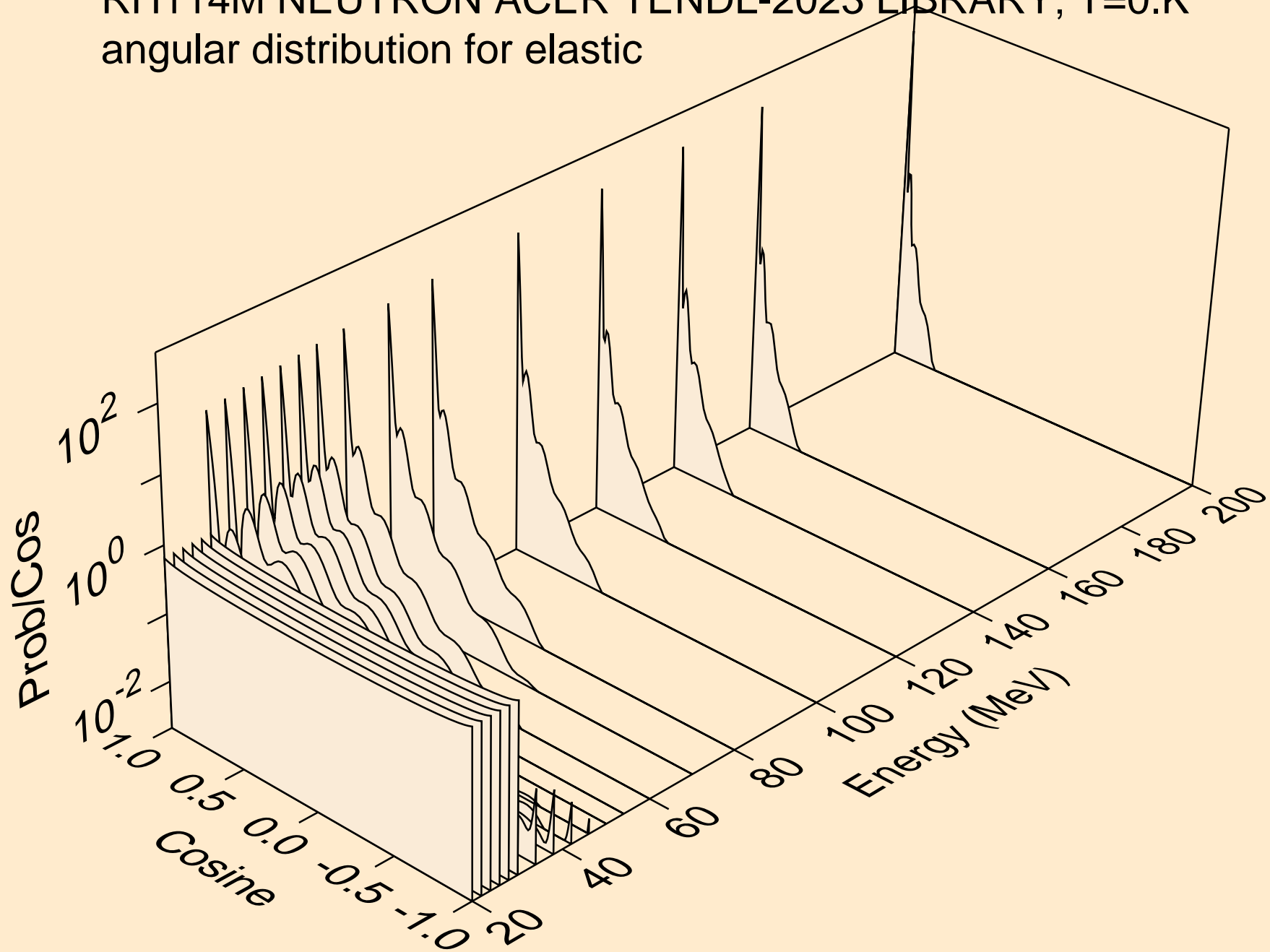
## Threshold reactions



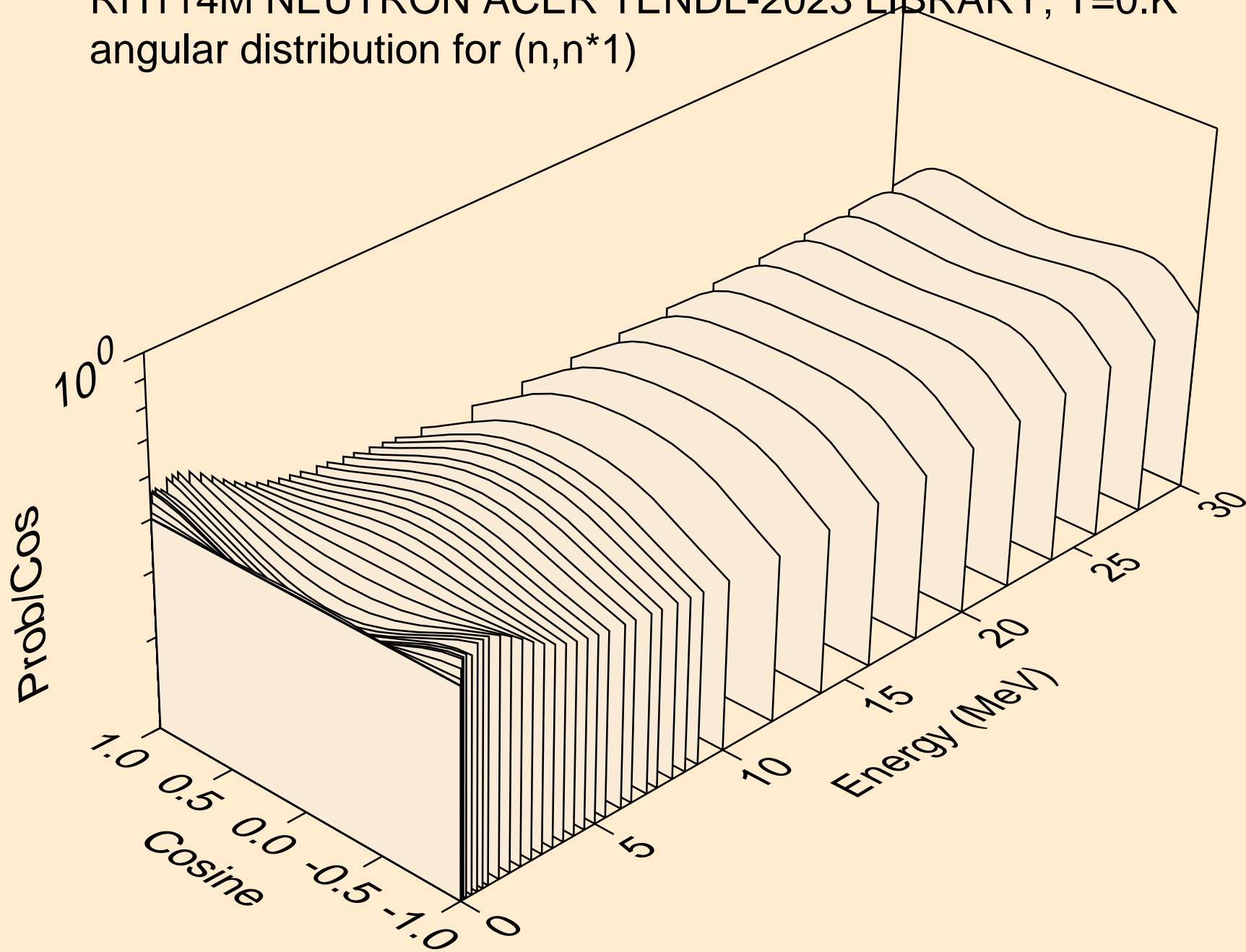
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angular distribution for elastic



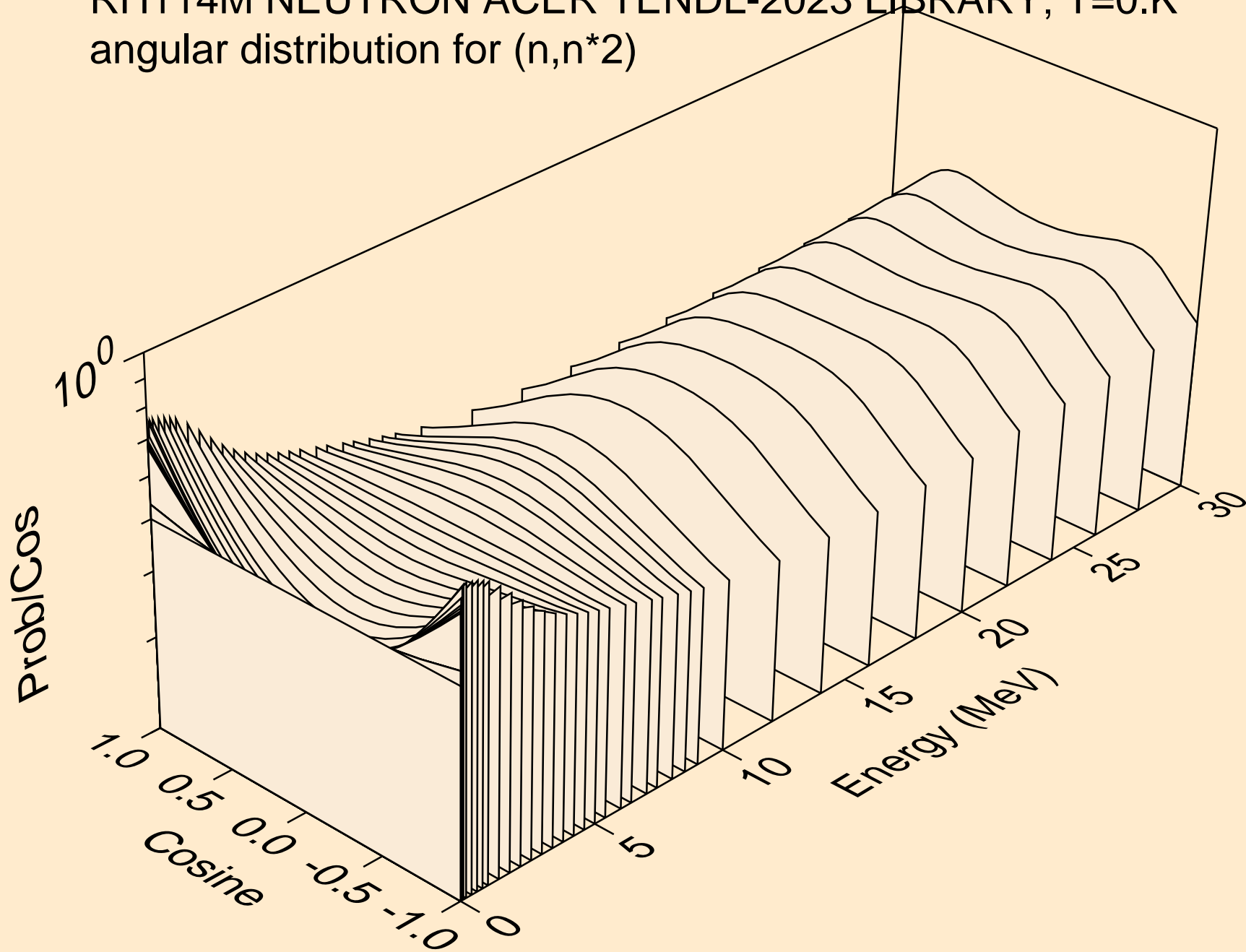
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angular distribution for elastic



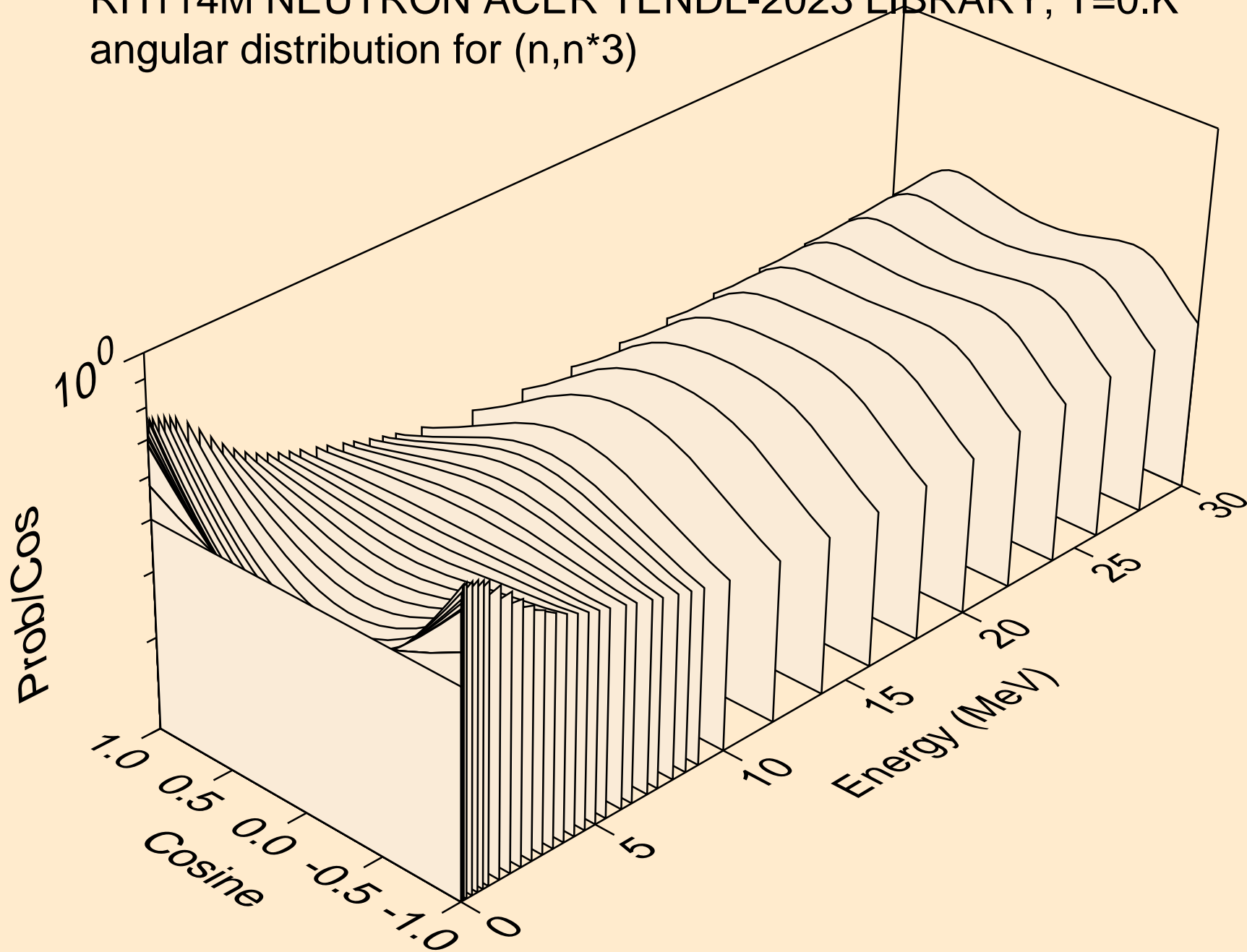
RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



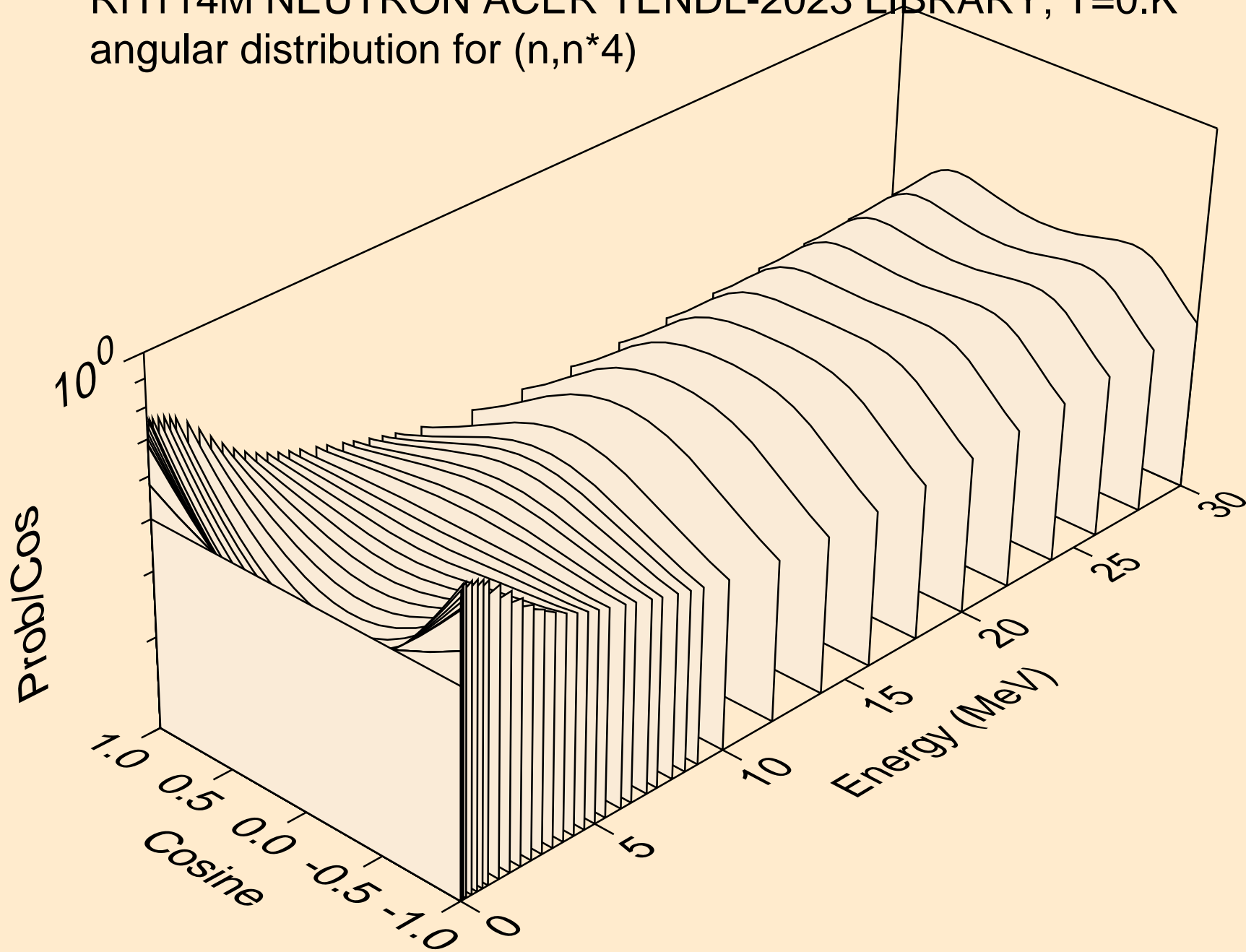
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angular distribution for (n,n\*2)



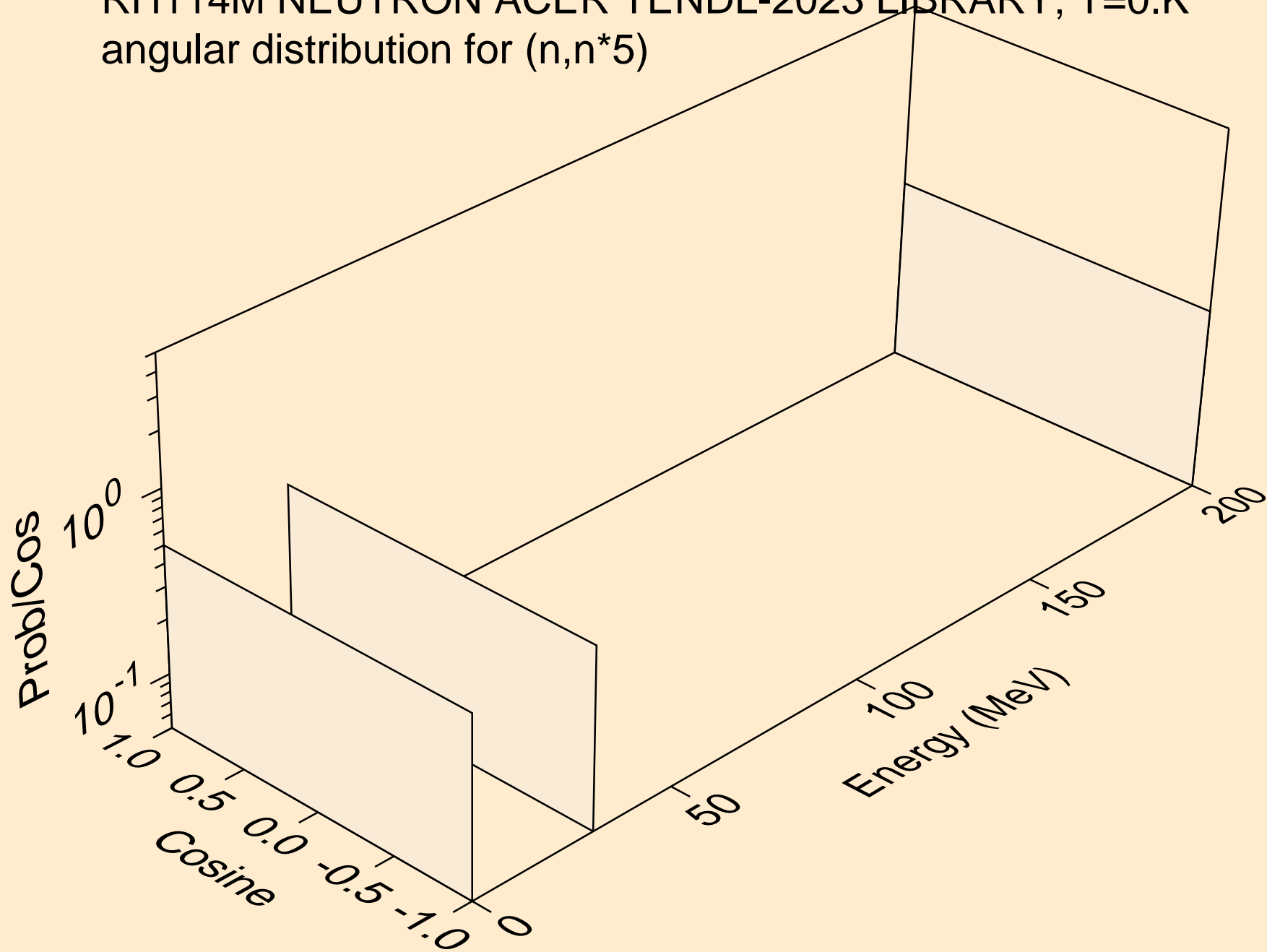
RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)

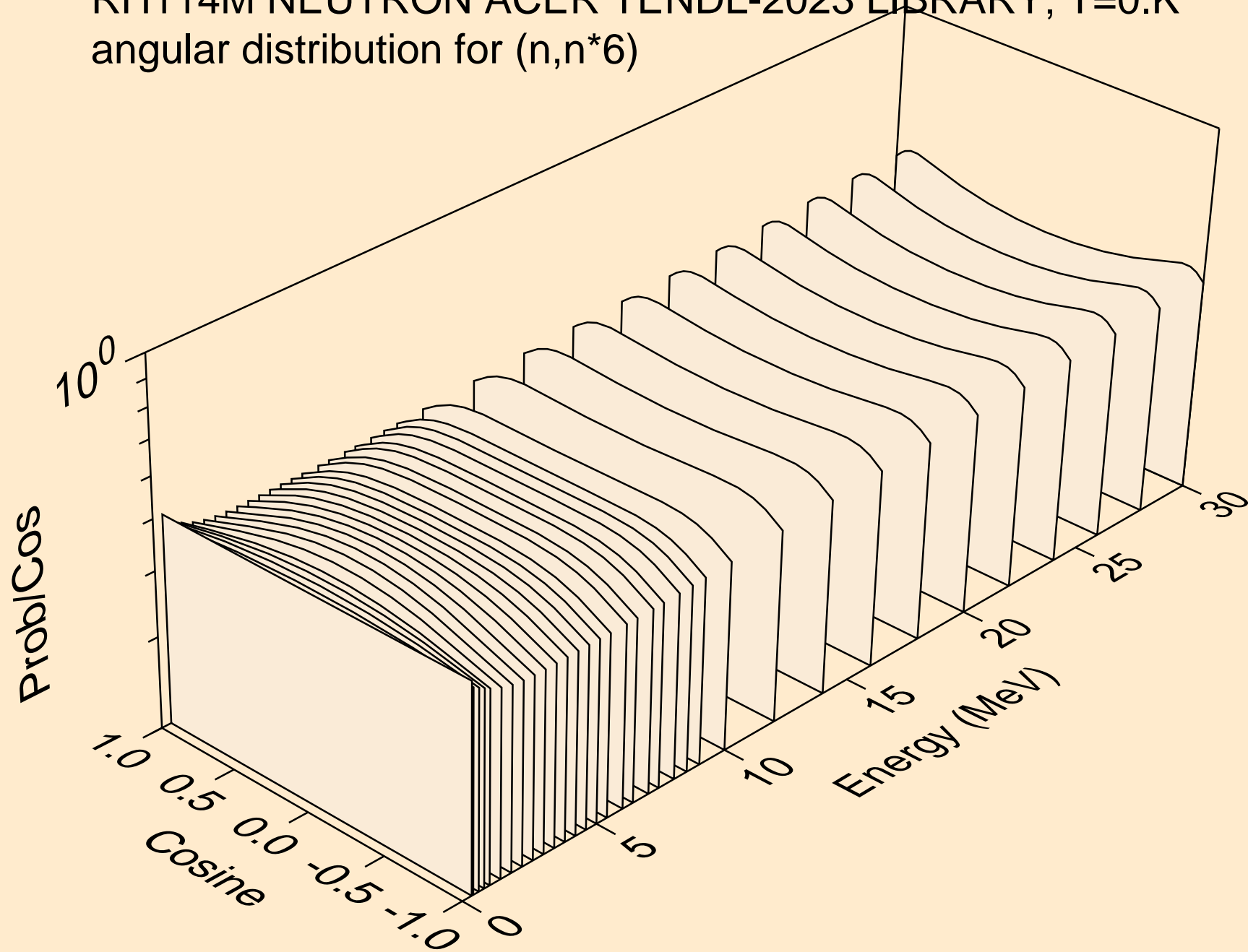


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angular distribution for (n,n\*5)

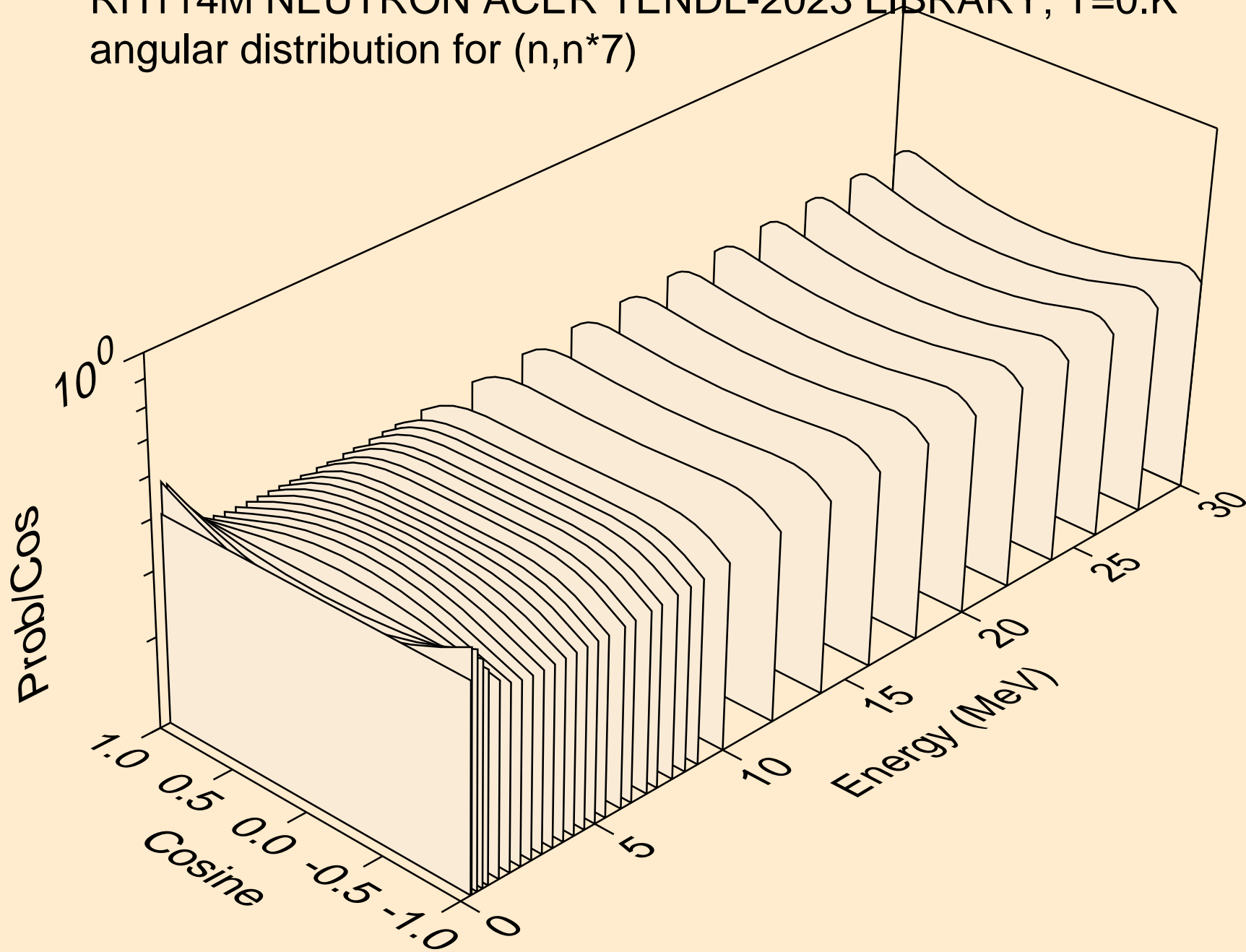




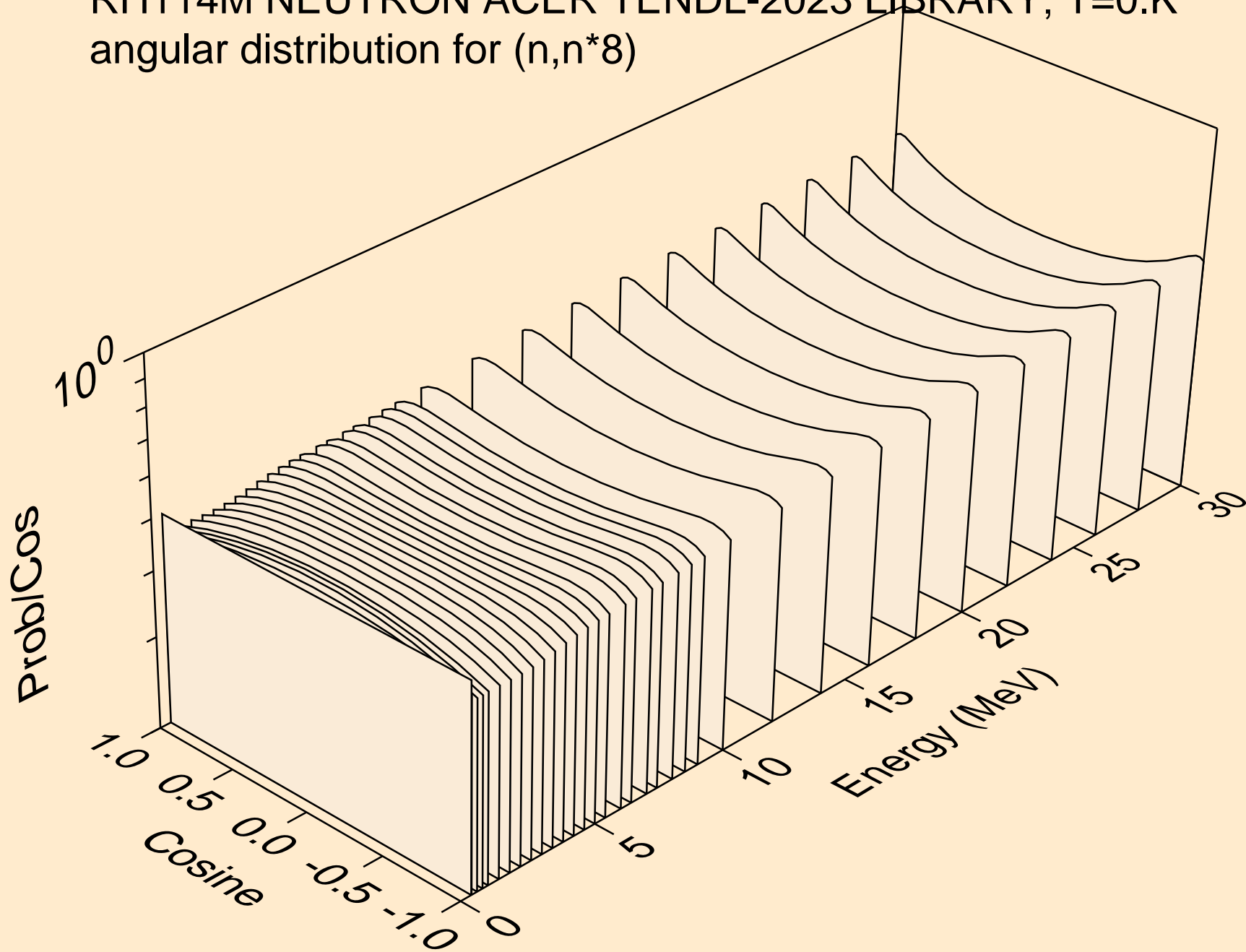
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angular distribution for (n,n\*6)



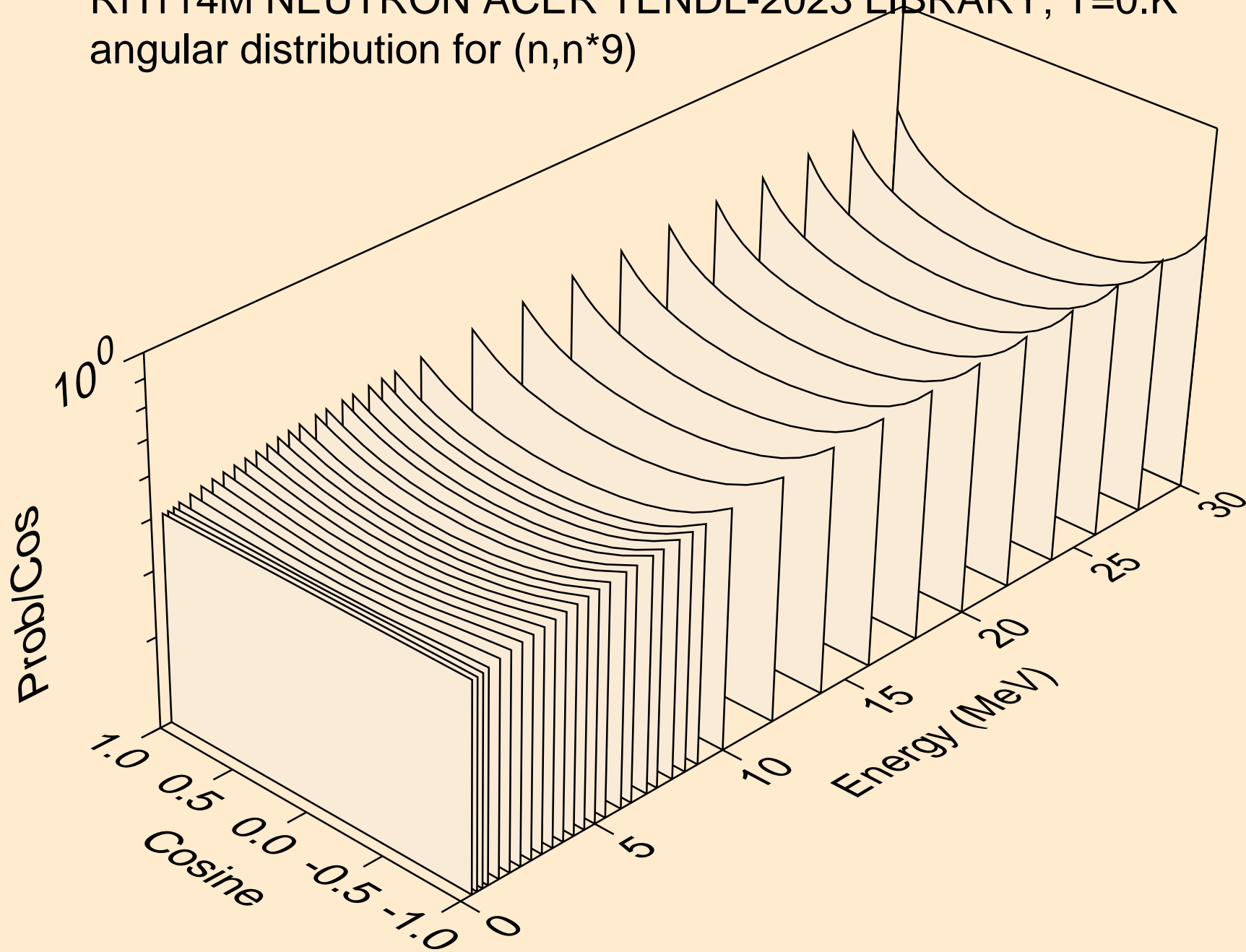
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angular distribution for (n,n\*7)



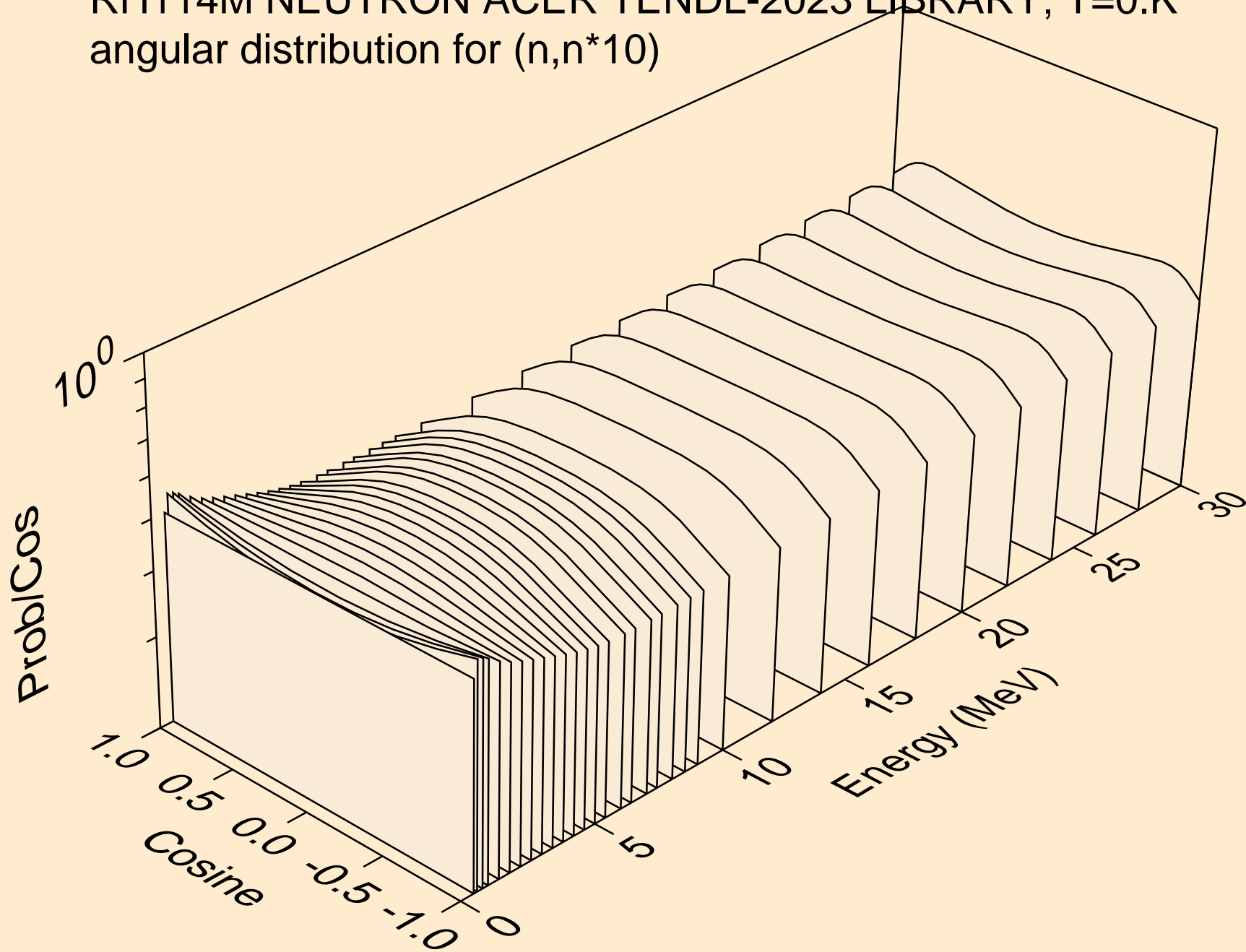
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angular distribution for (n,n\*8)



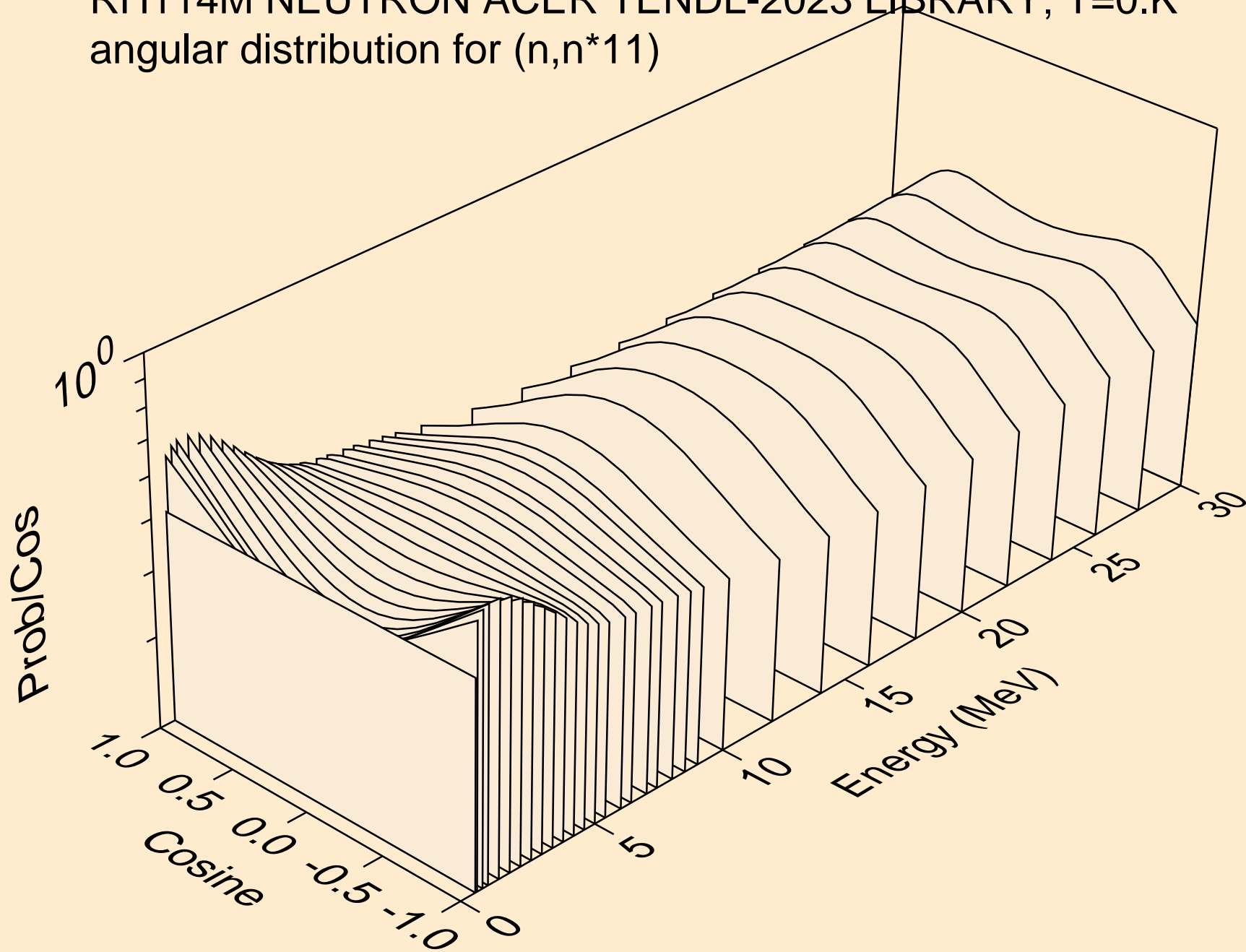
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angular distribution for (n,n\*9)



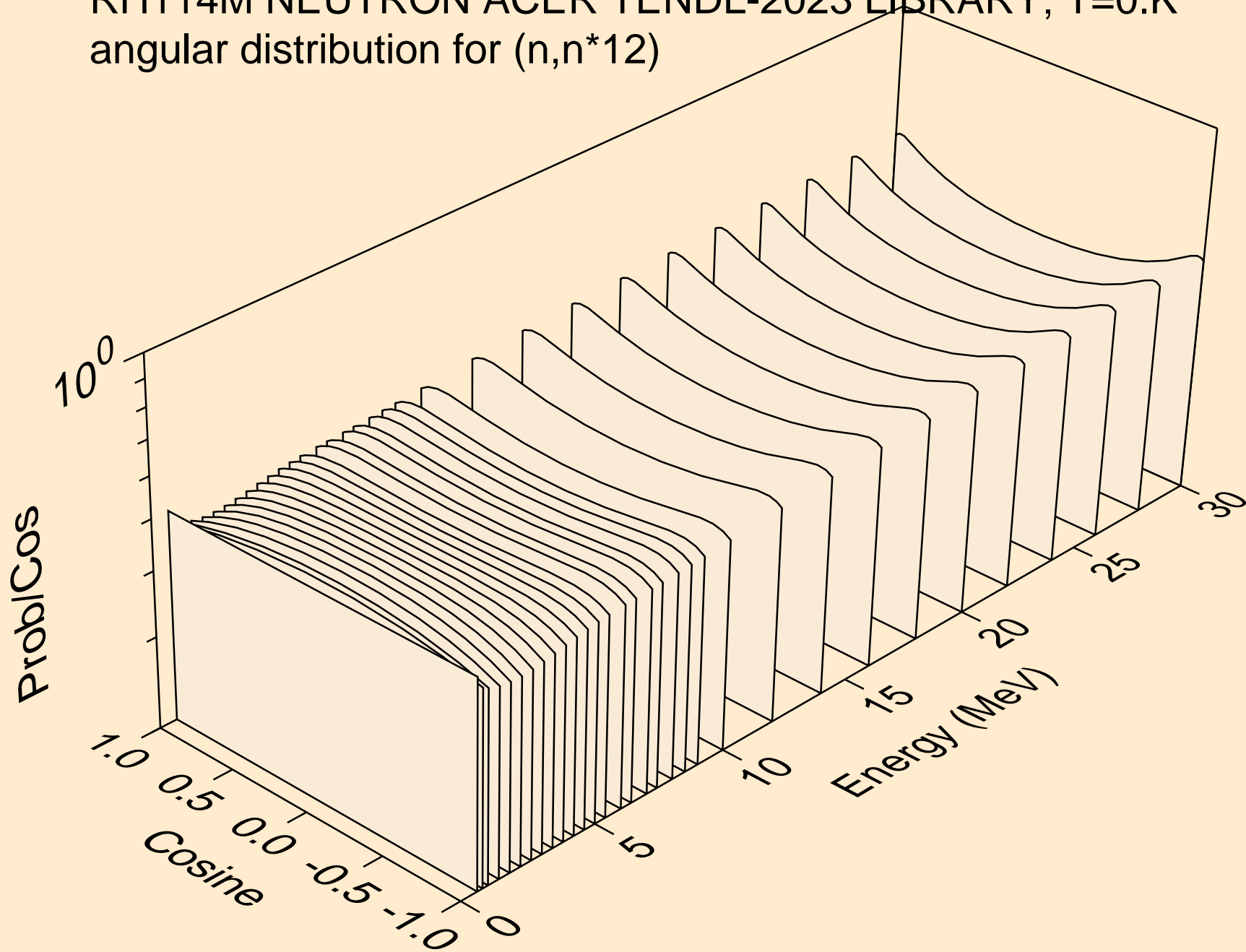
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angular distribution for (n,n\*10)



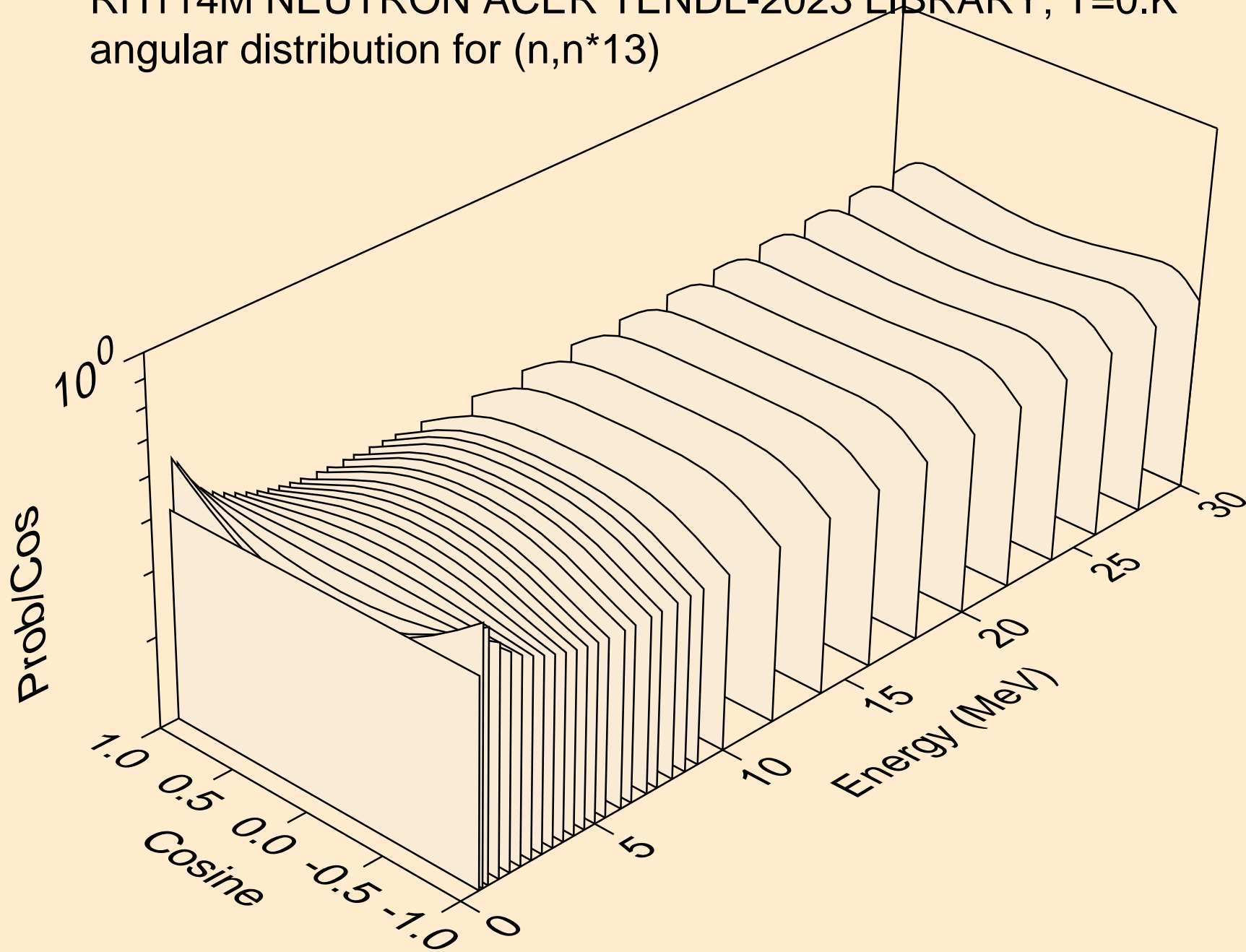
RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)

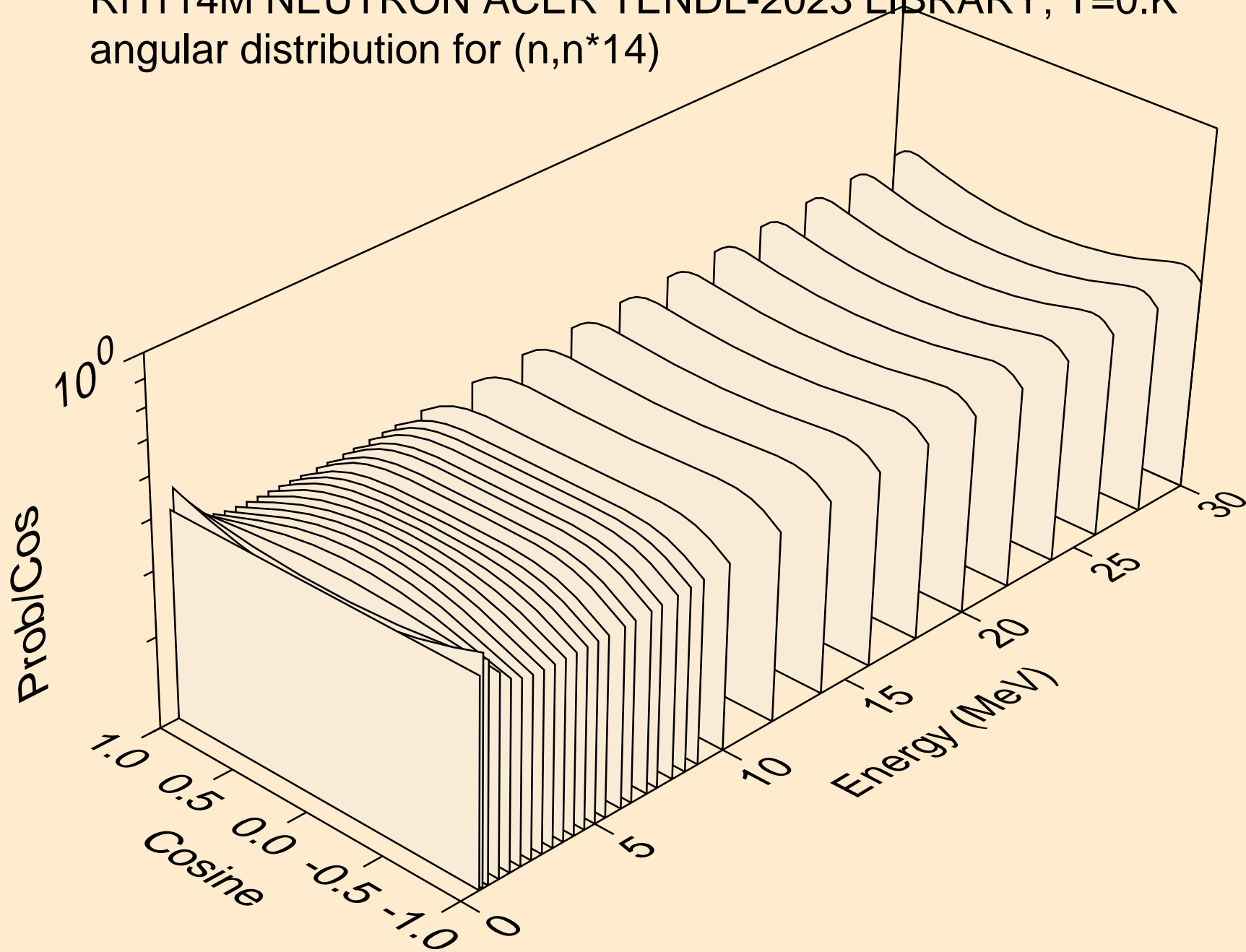


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angular distribution for (n,n\*13)

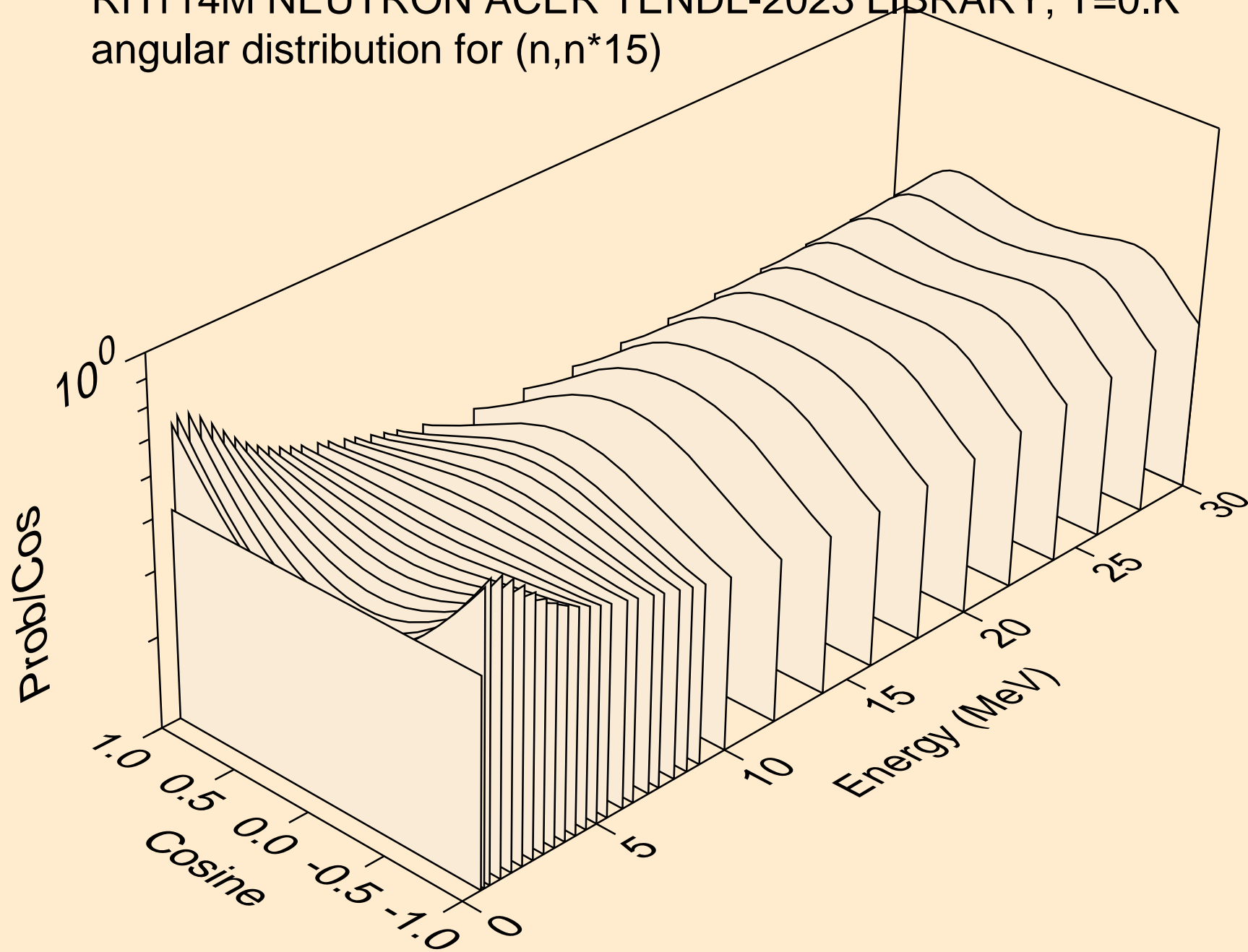




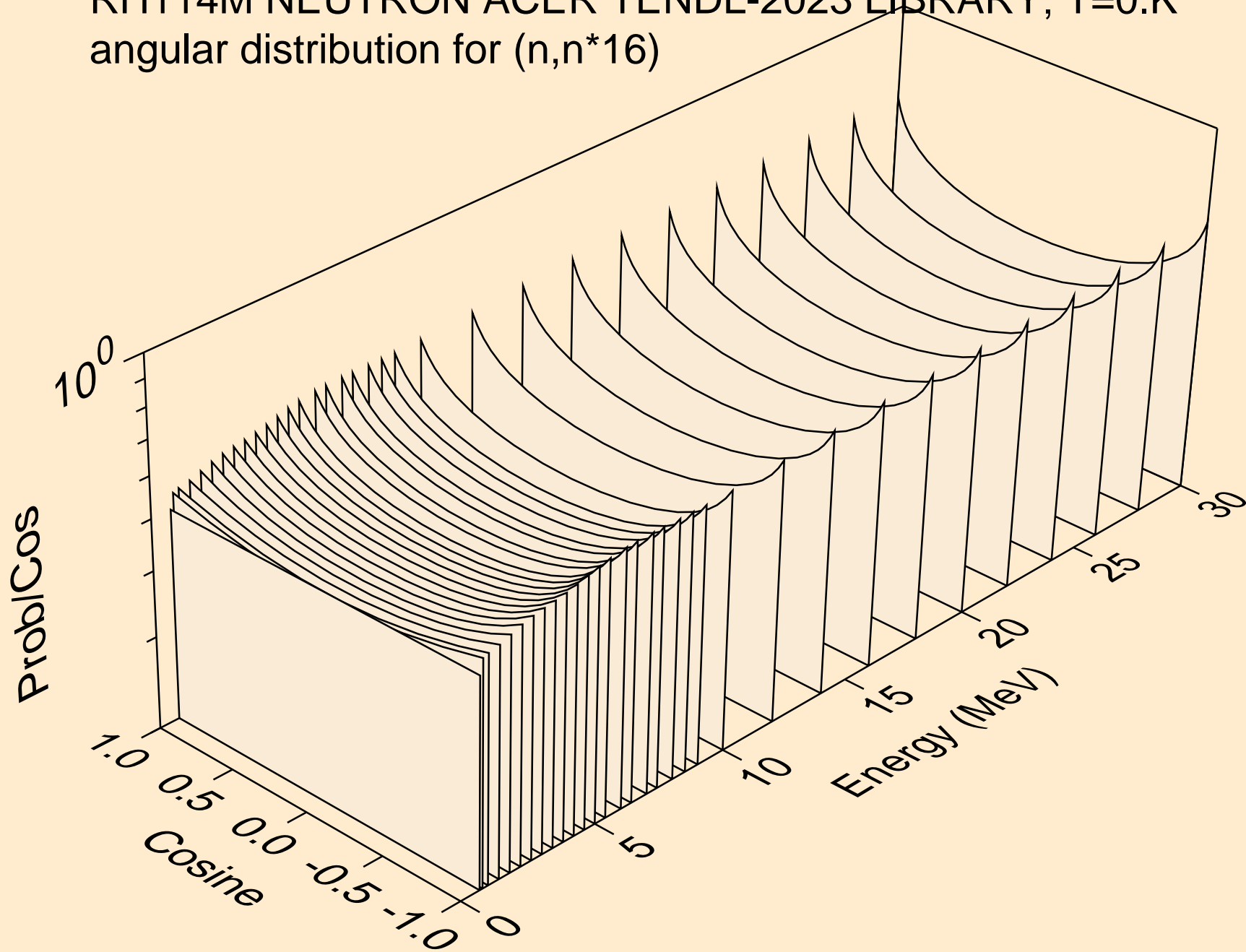
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angular distribution for (n,n\*14)



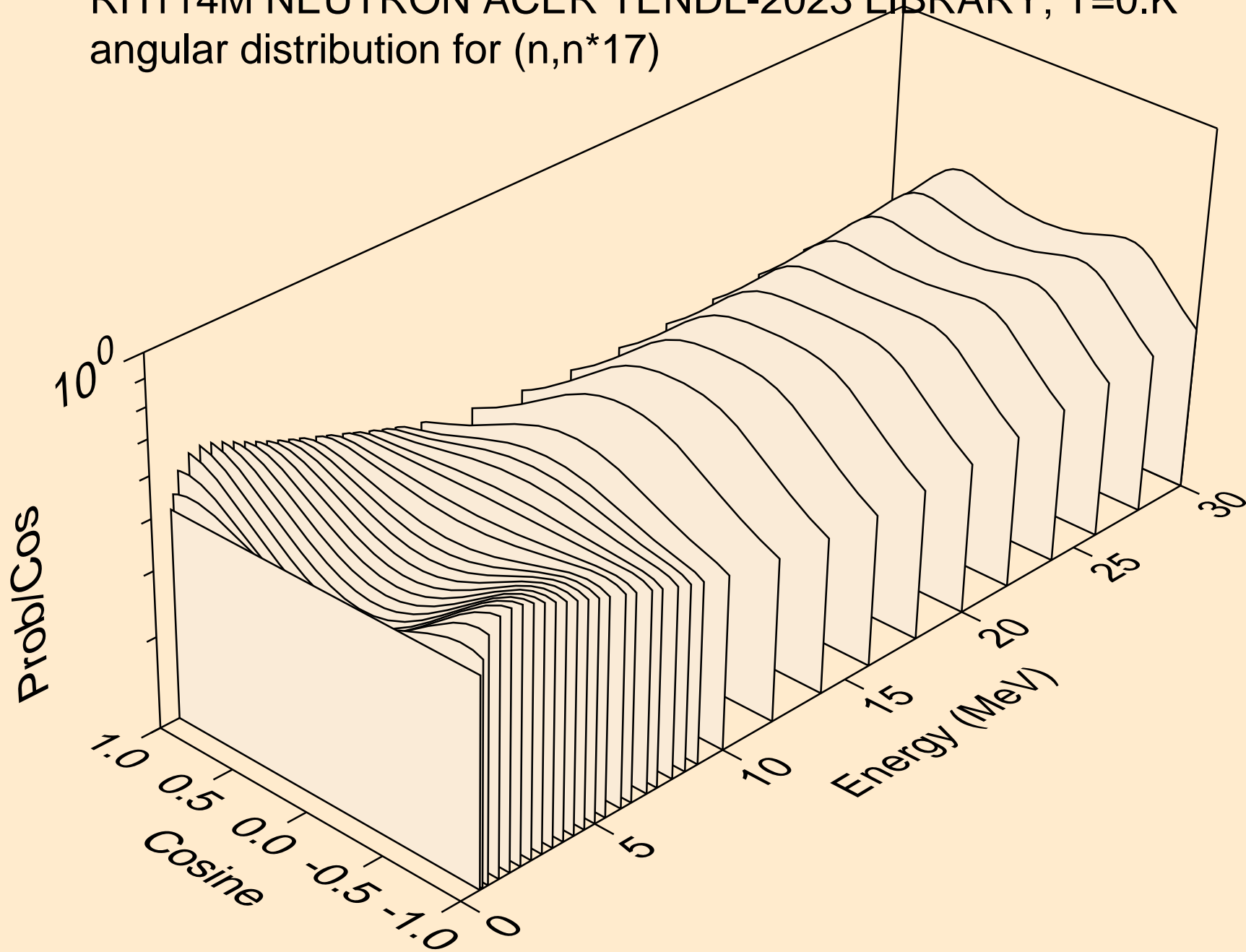
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angular distribution for (n,n\*15)



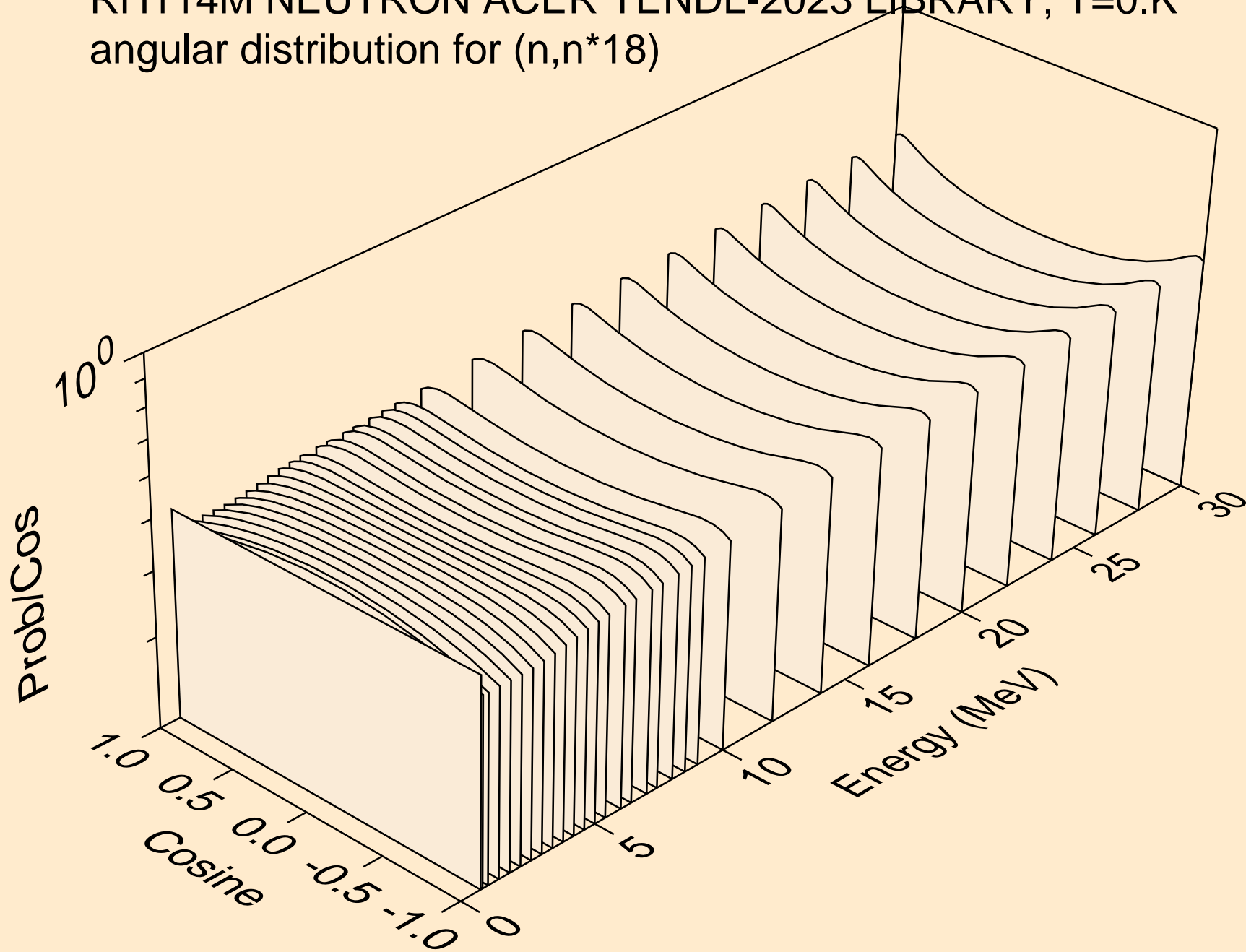
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angular distribution for (n,n\*16)



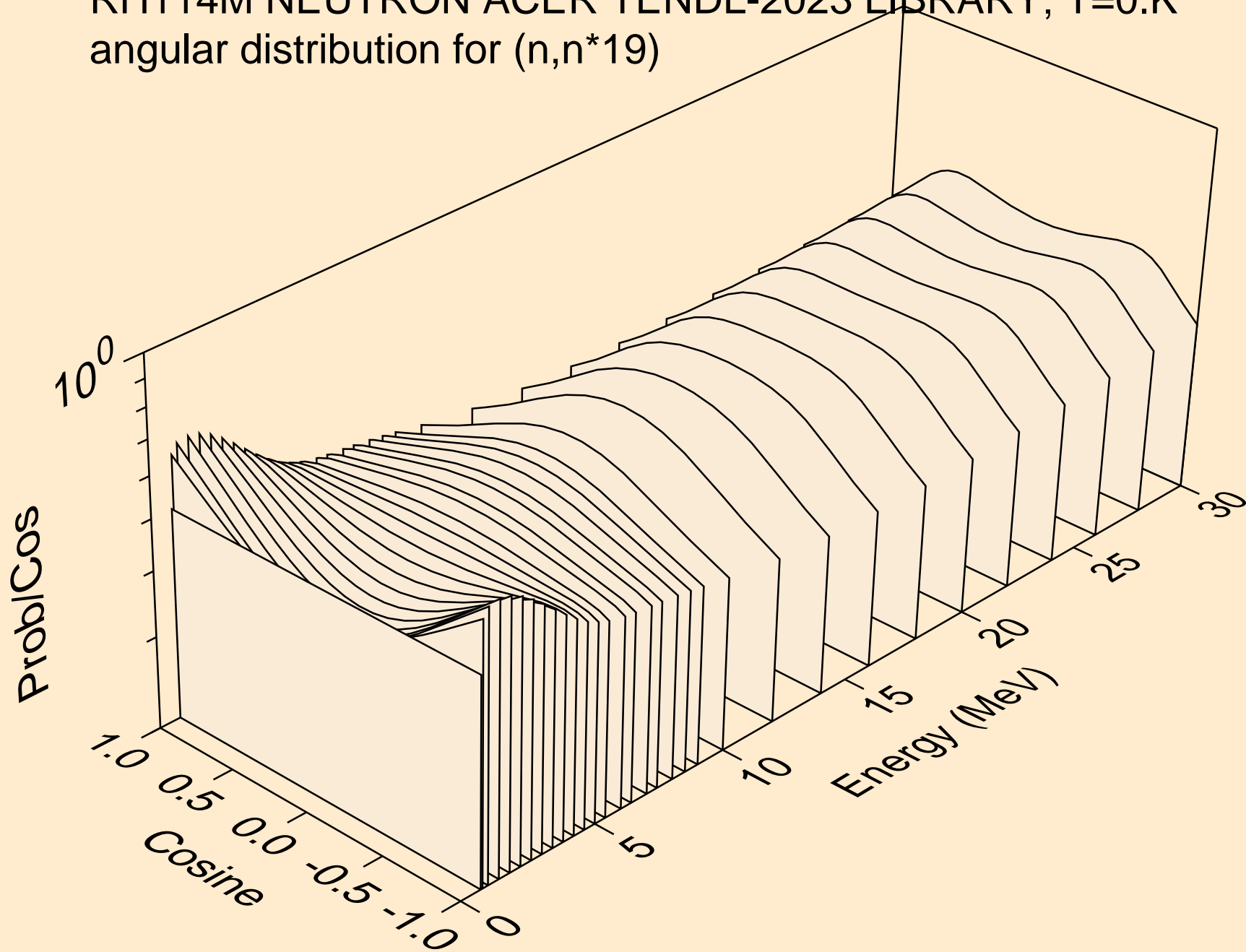
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angular distribution for (n,n\*17)



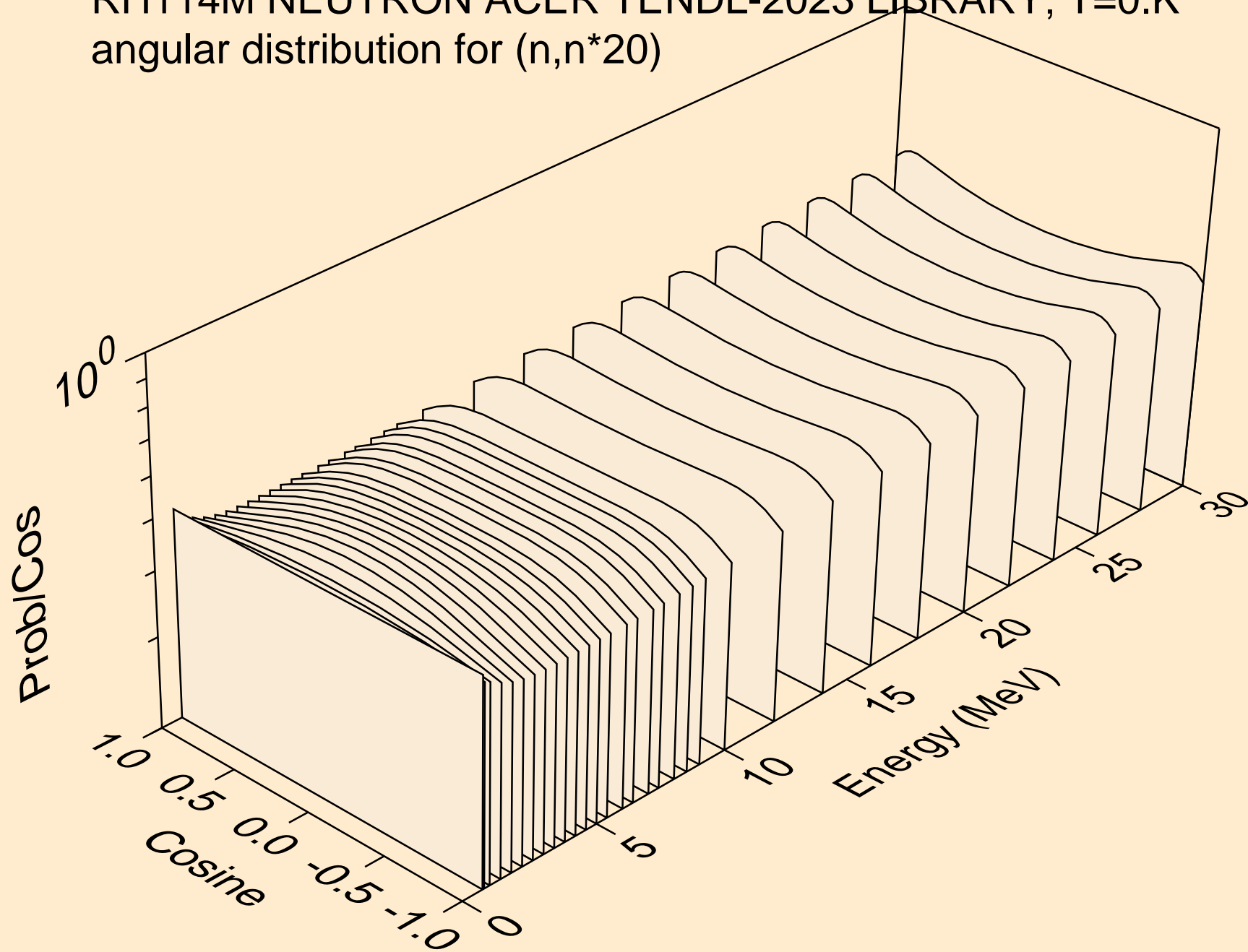
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angular distribution for (n,n\*18)



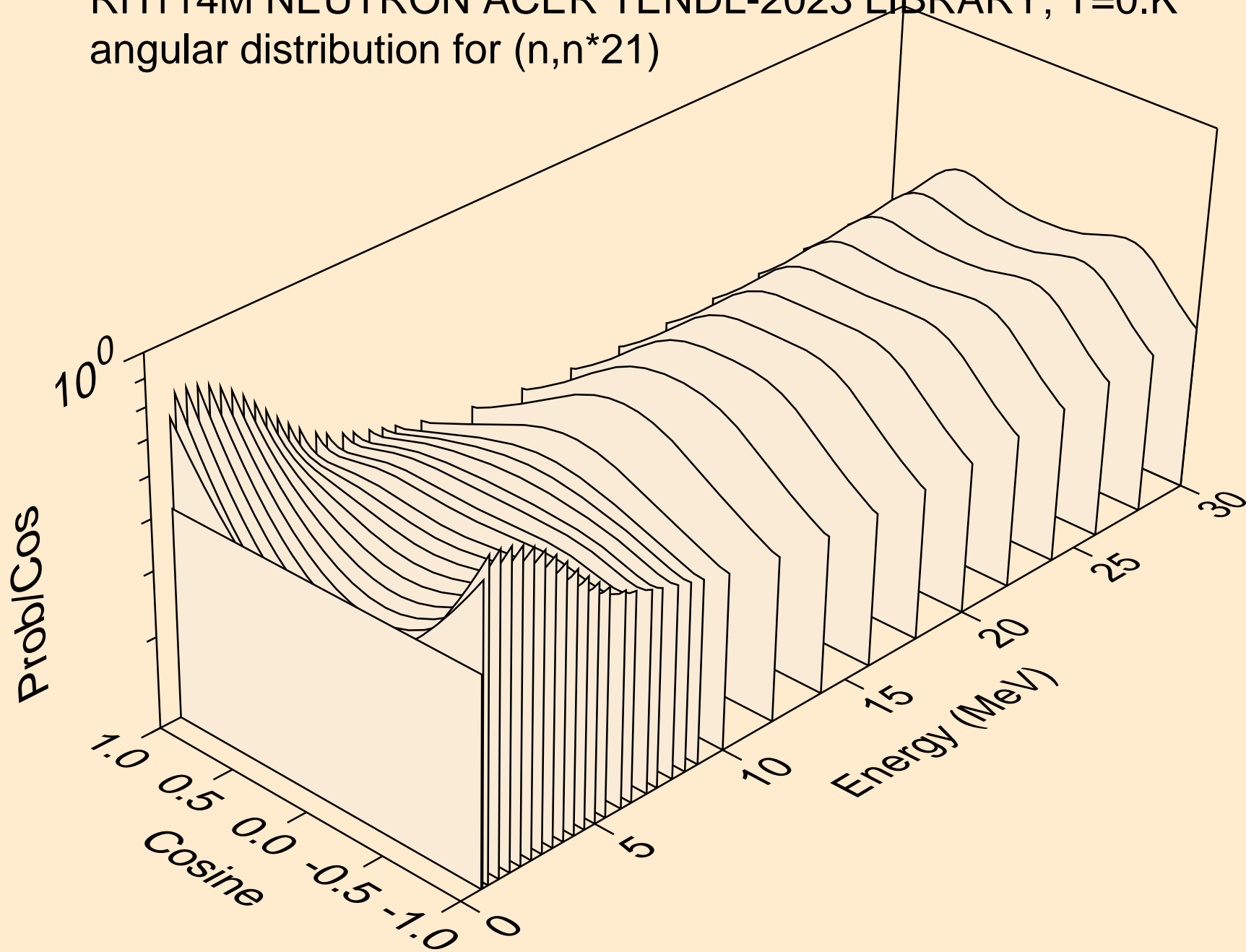
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angular distribution for (n,n\*19)



RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*20)

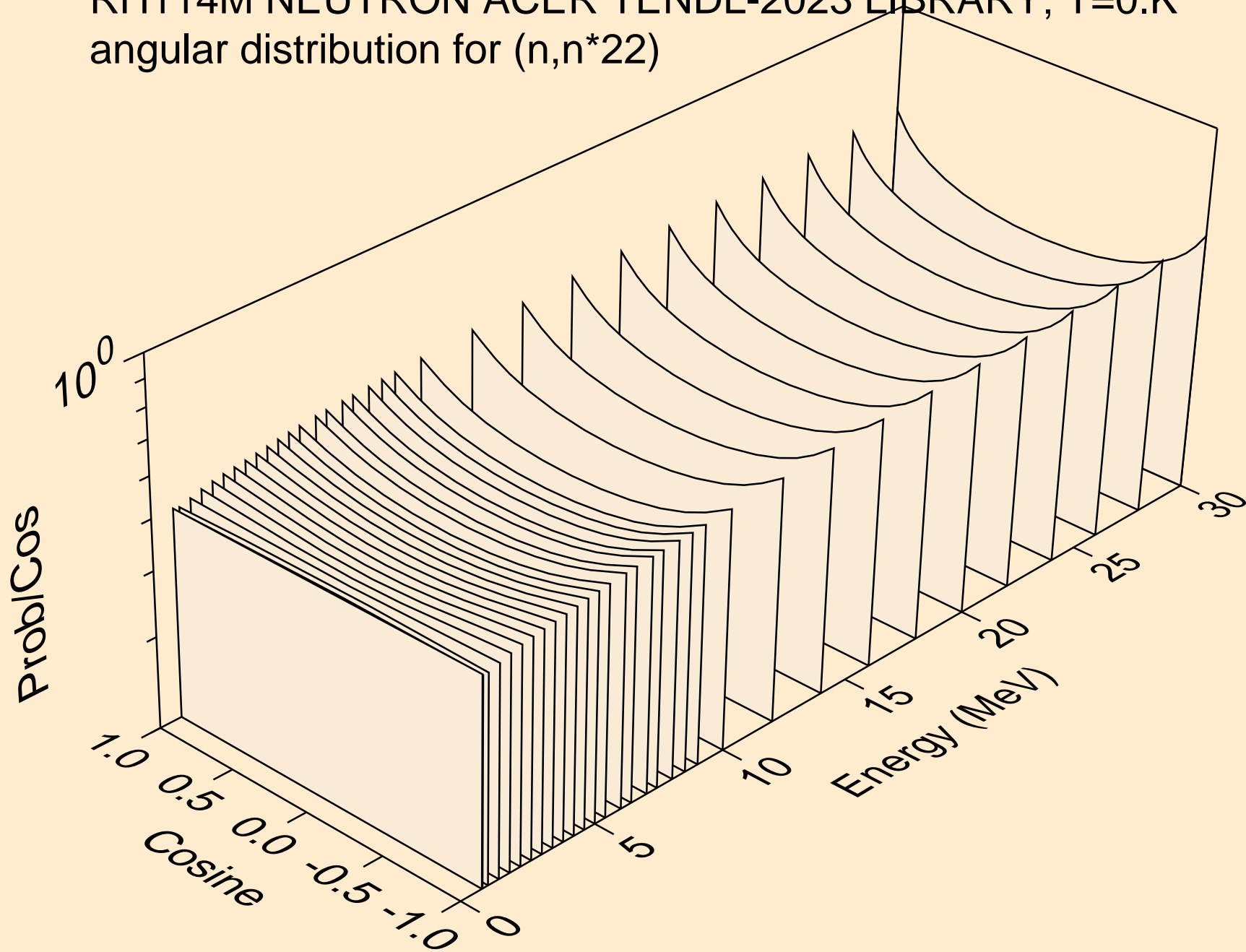


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angular distribution for (n,n\*21)

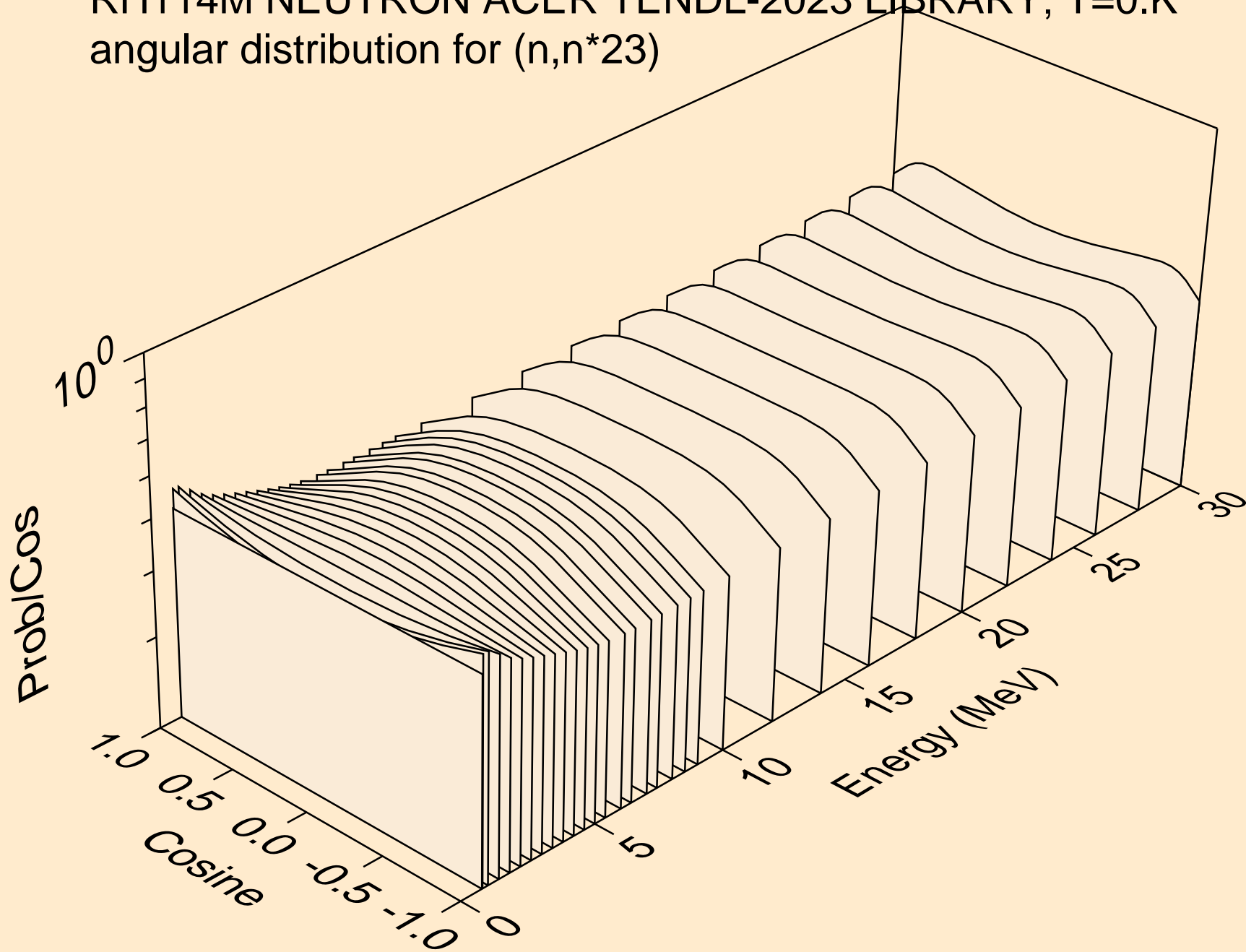




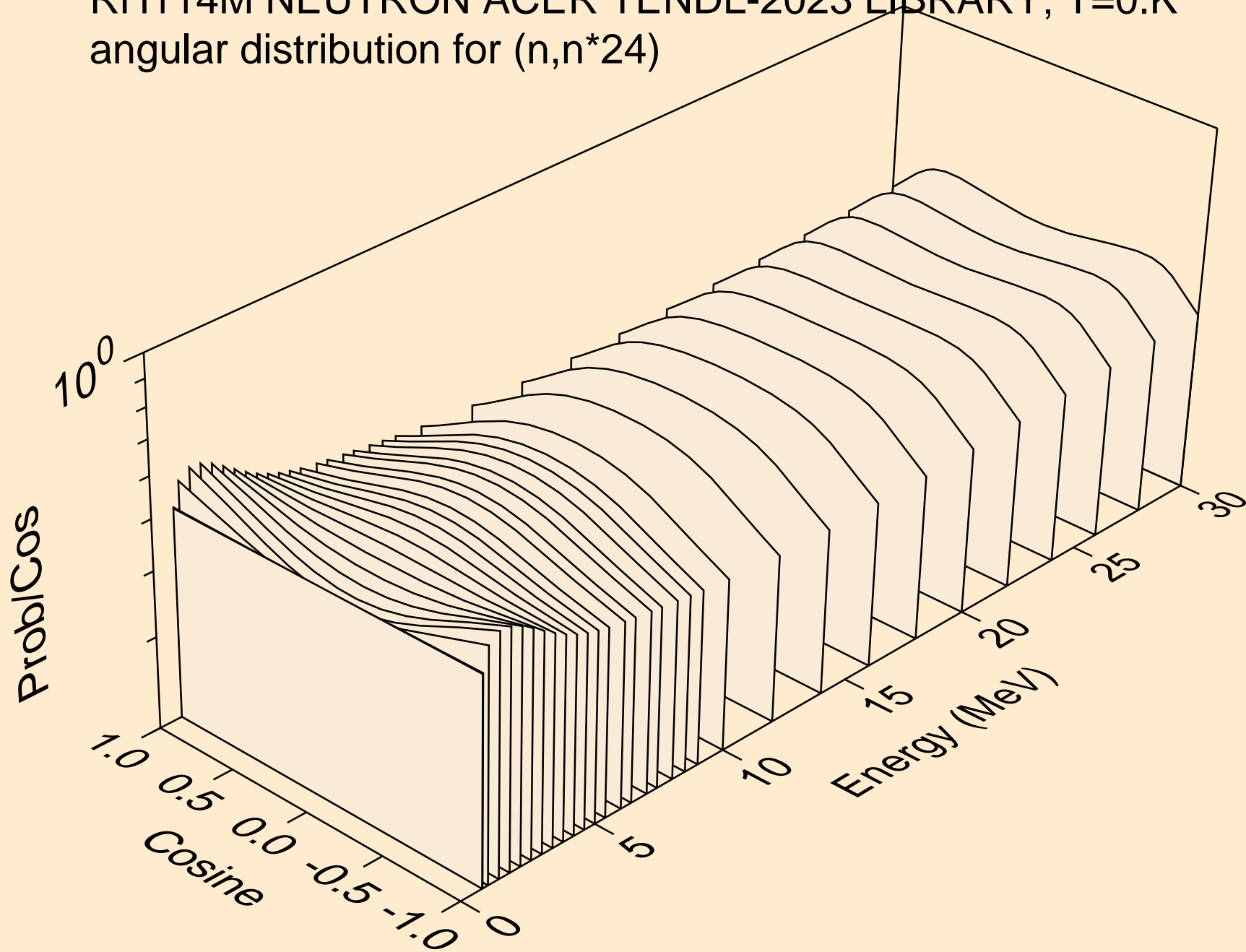
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angular distribution for (n,n\*22)



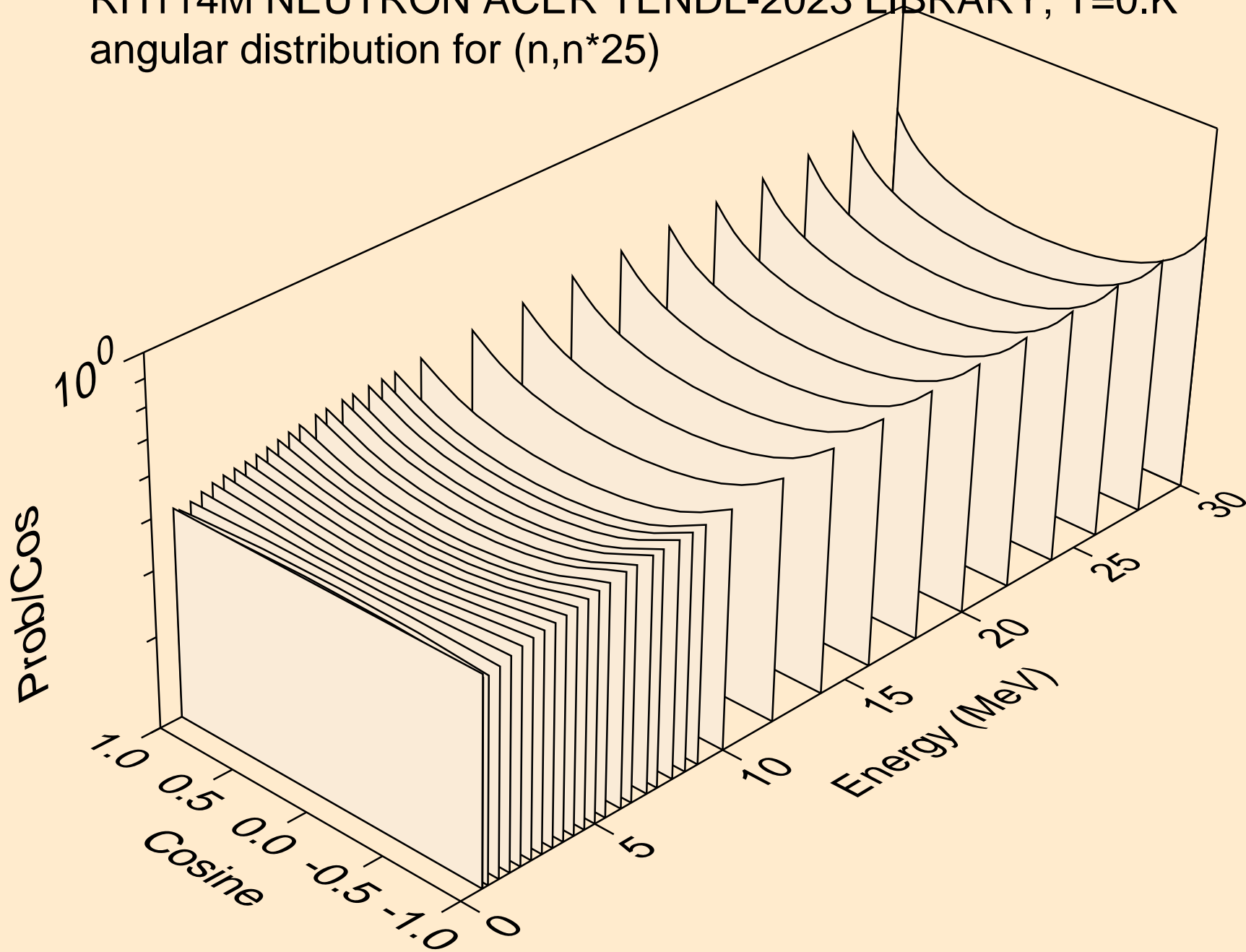
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angular distribution for (n,n\*23)



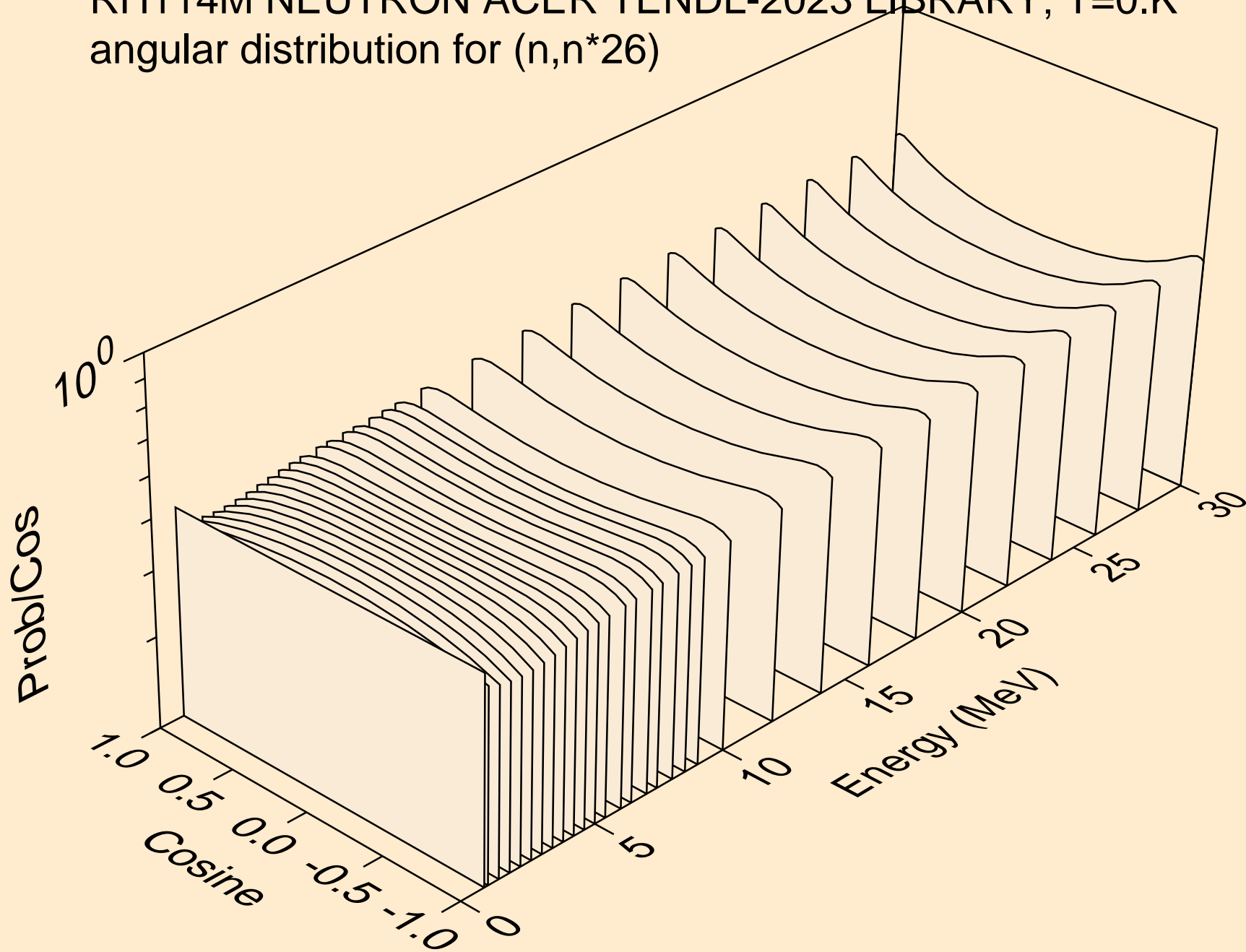
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angular distribution for (n,n\*24)



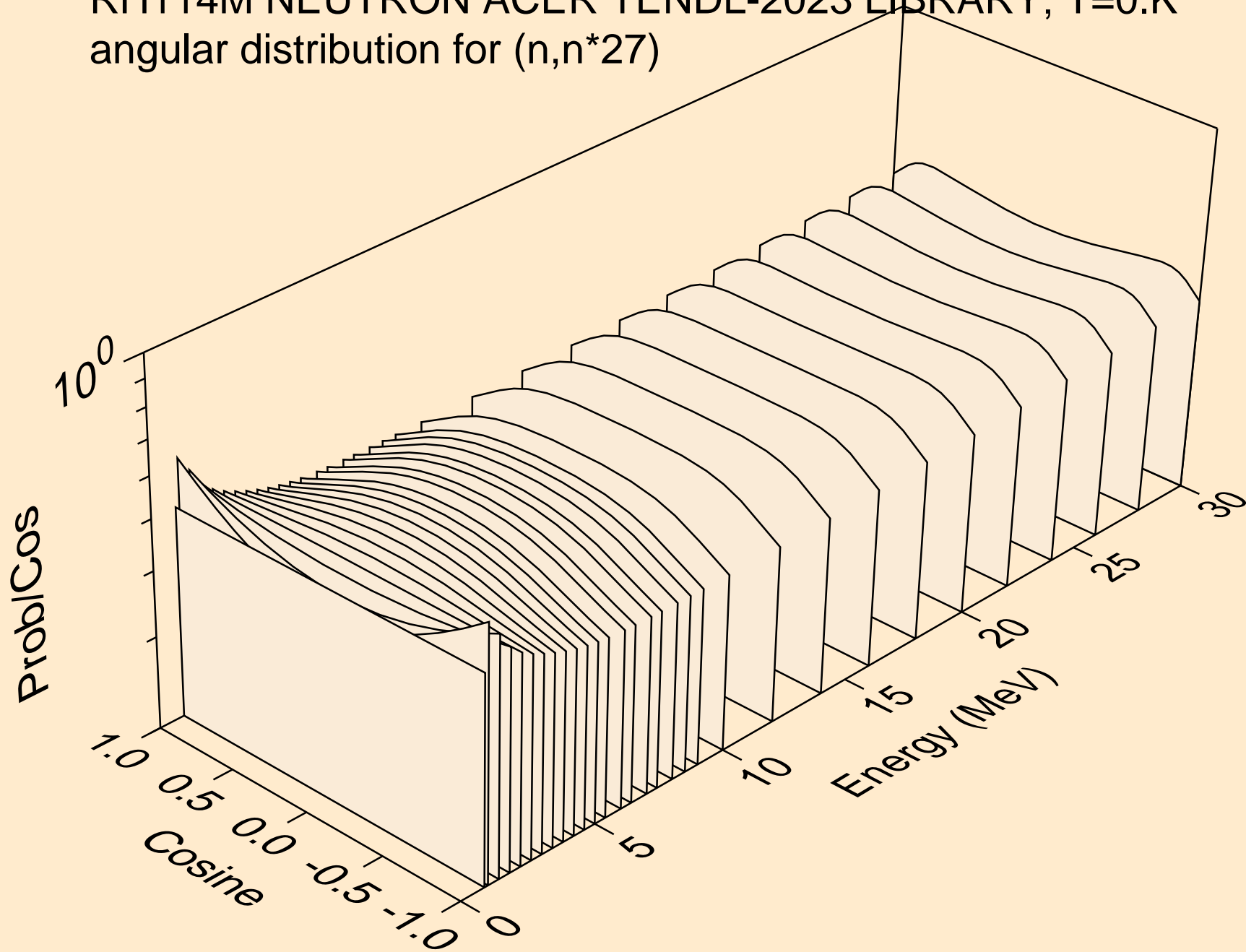
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angular distribution for (n,n\*25)



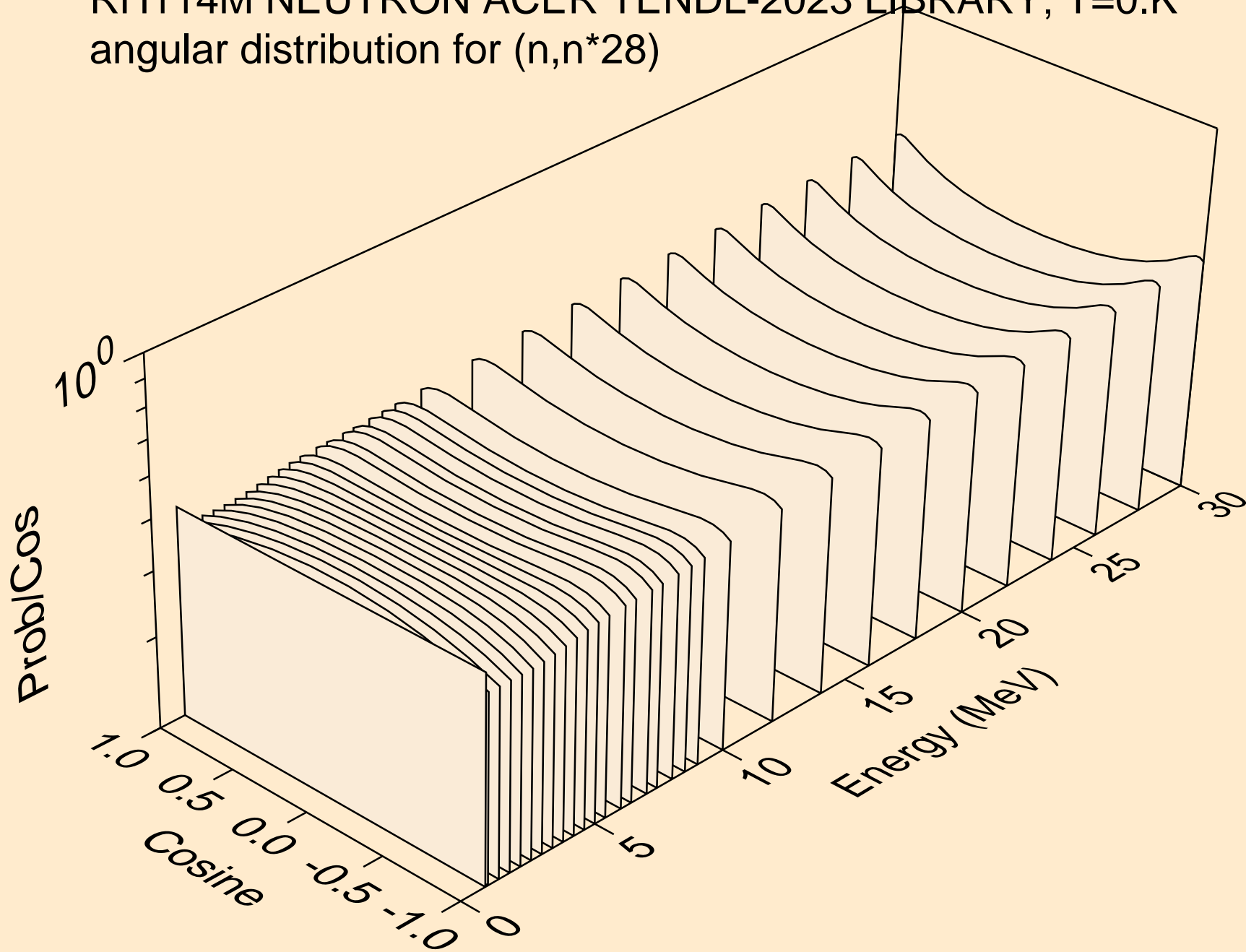
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angular distribution for (n,n\*26)



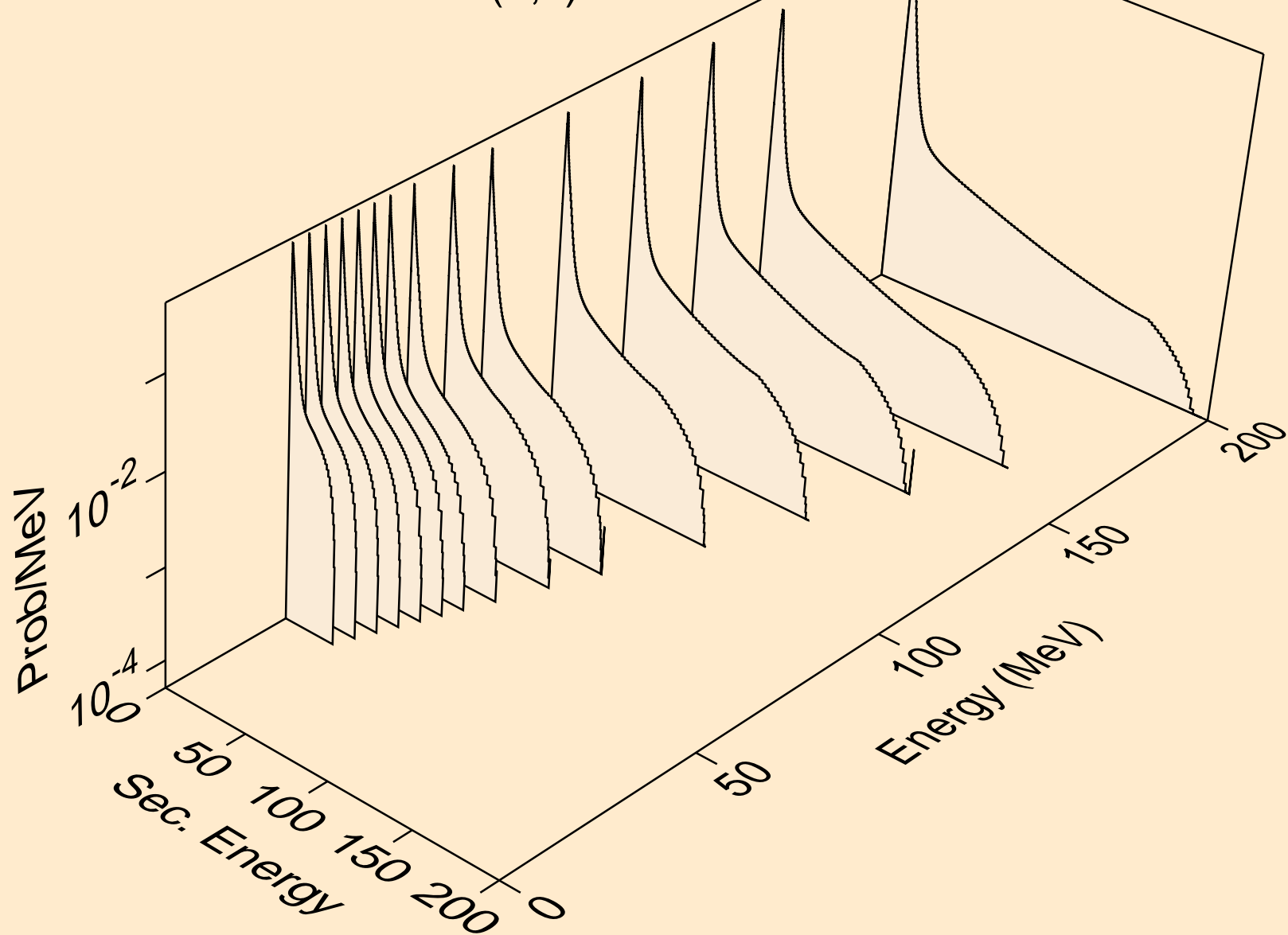
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angular distribution for (n,n\*27)



RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*28)

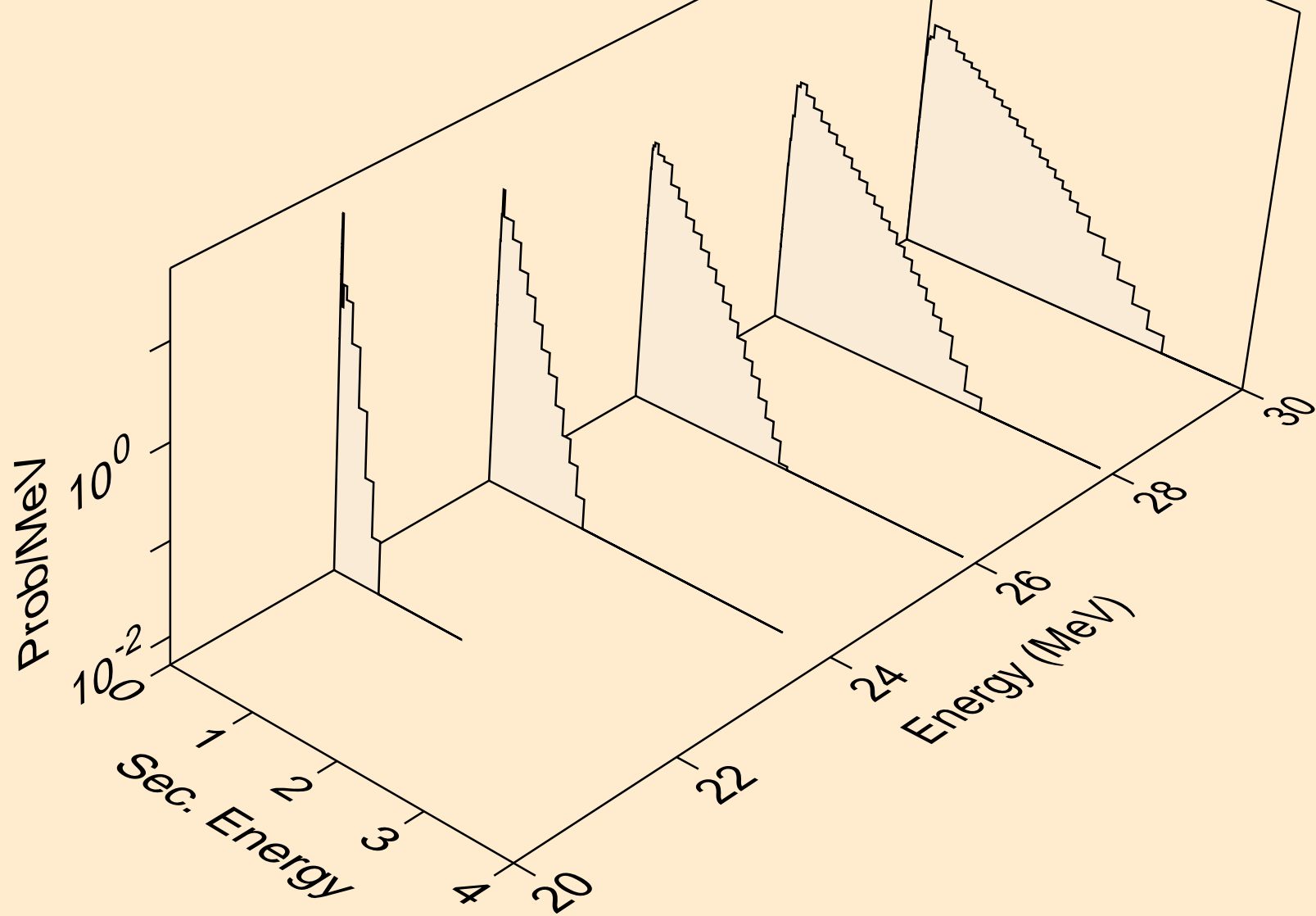


RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)

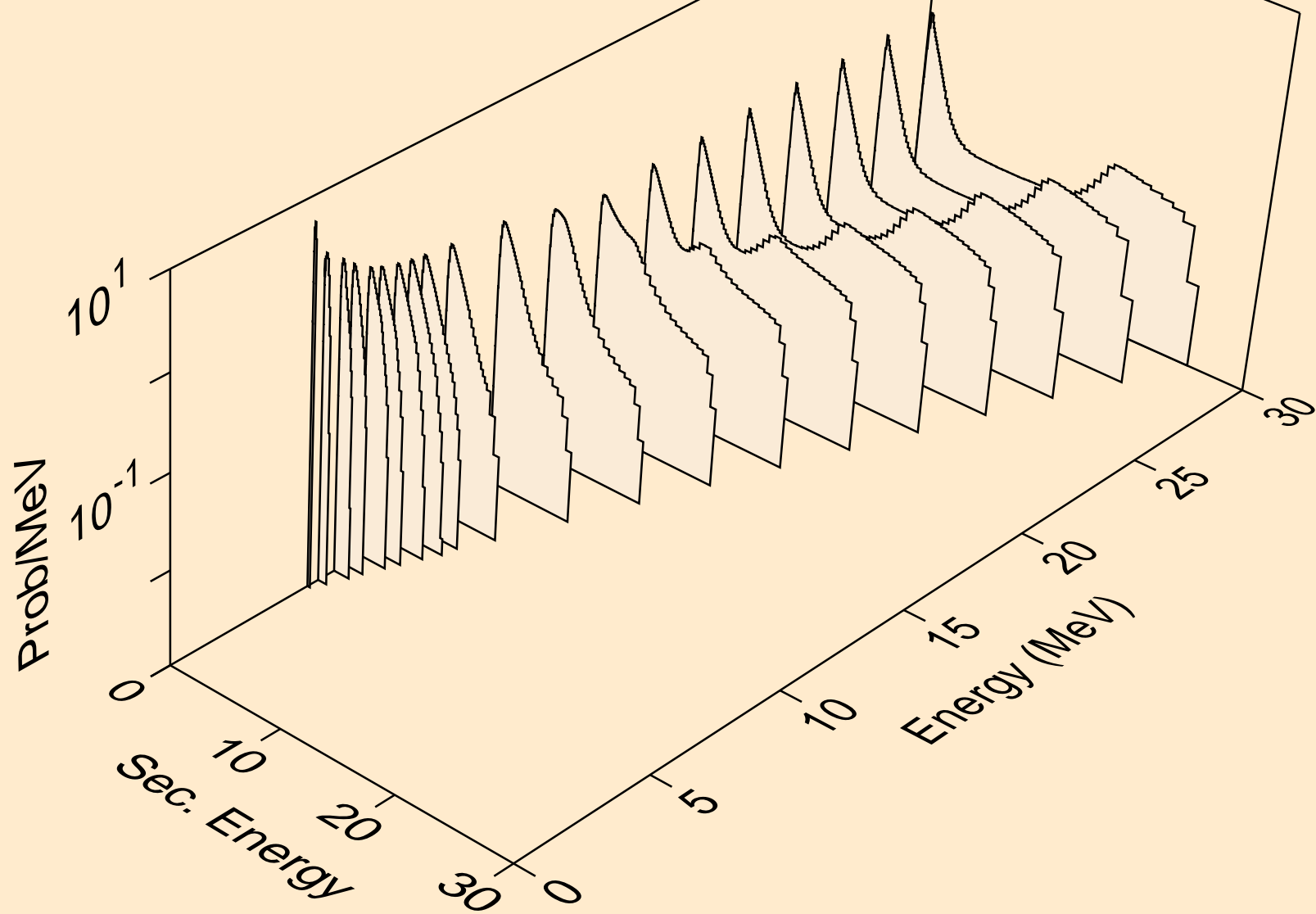




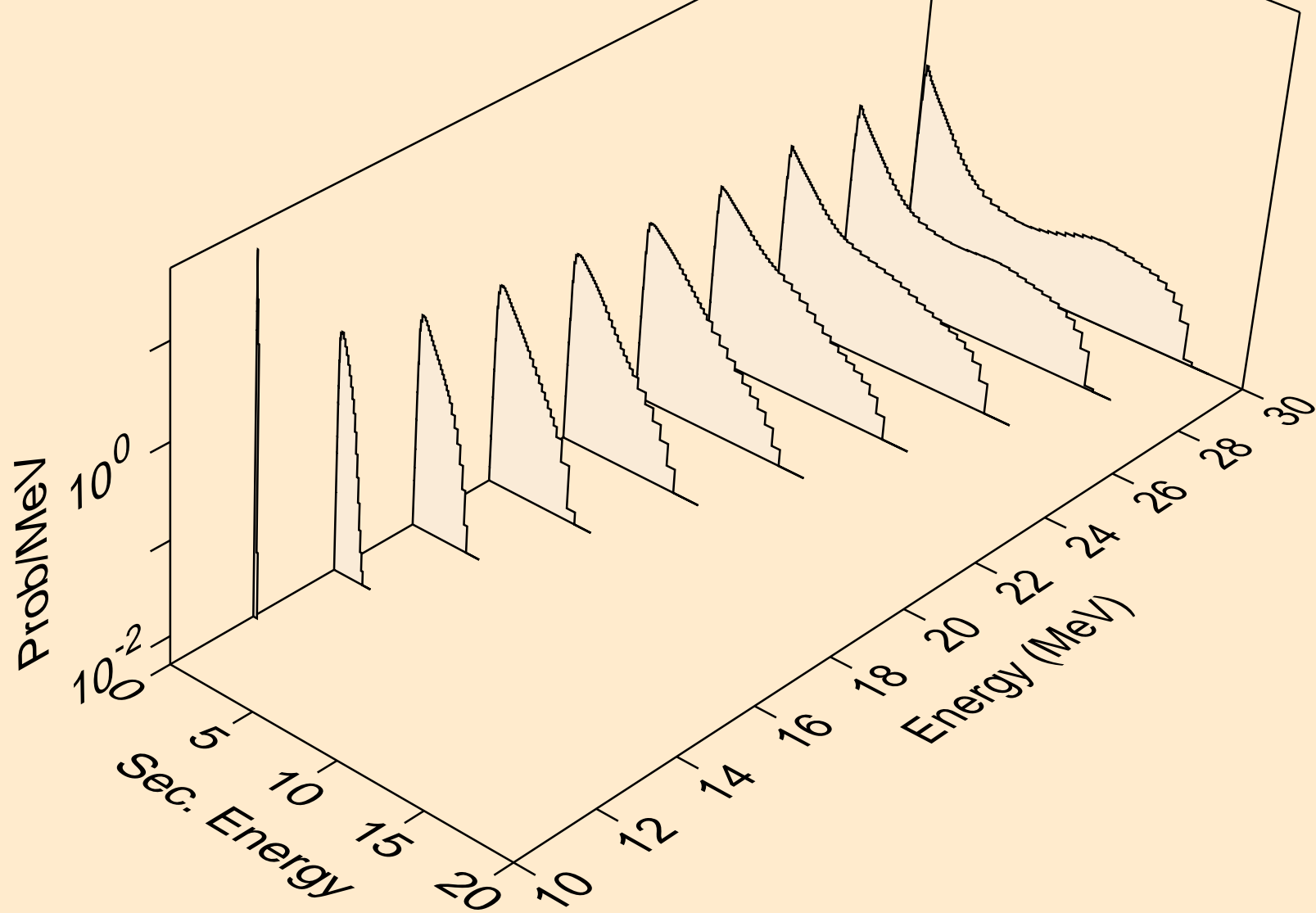
RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



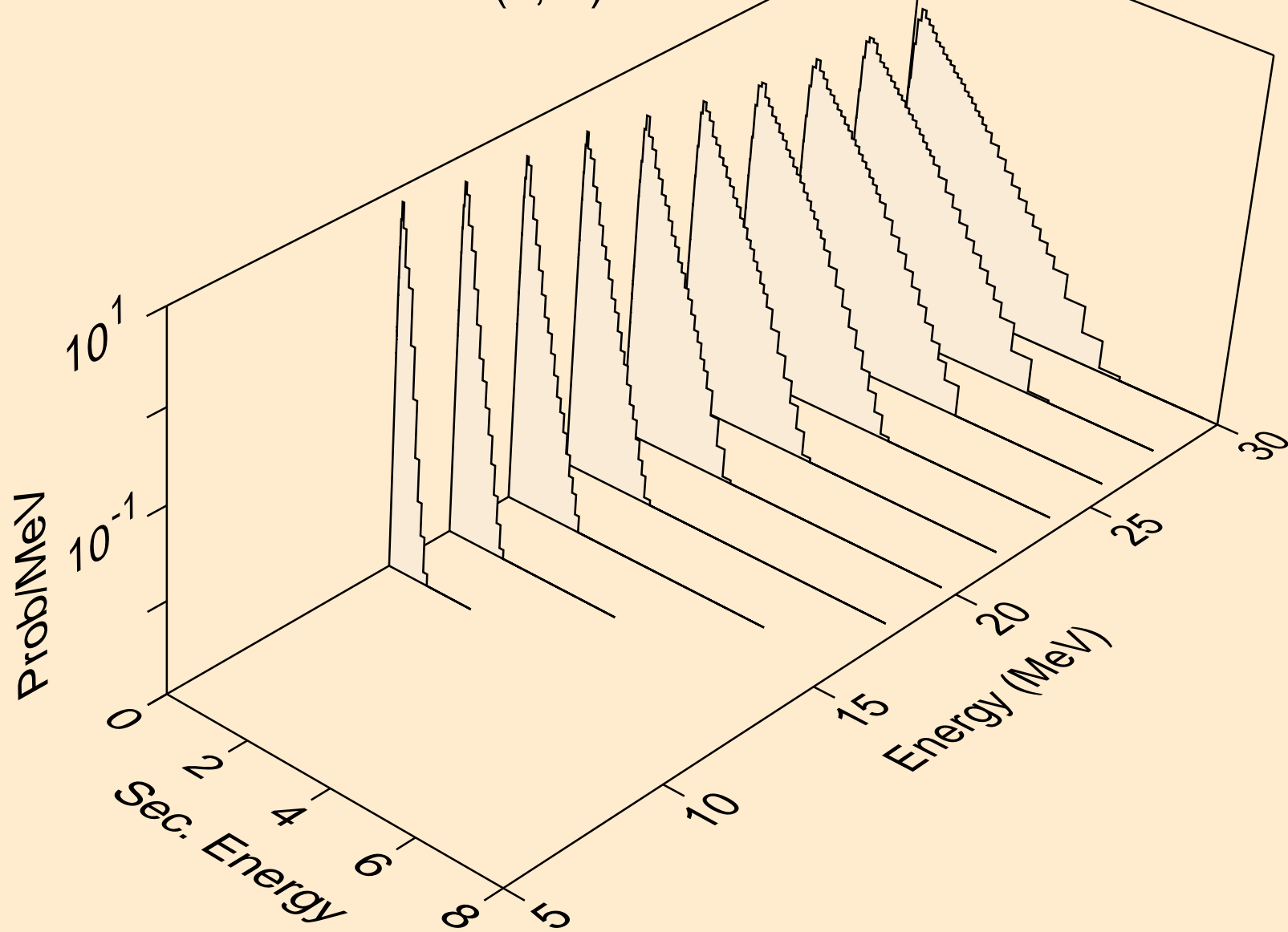
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Neutron emission for (n,2n)



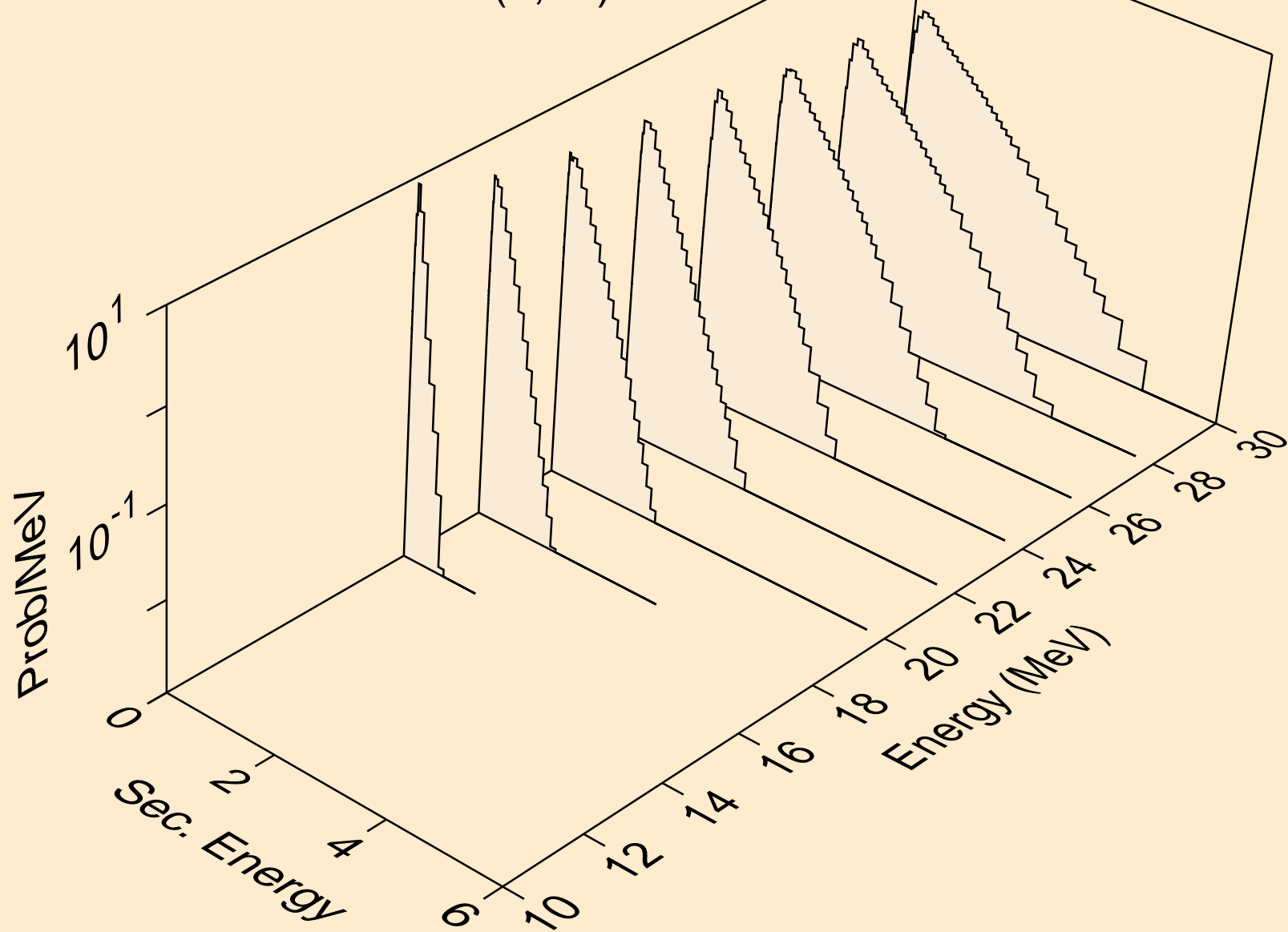
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Neutron emission for (n,3n)



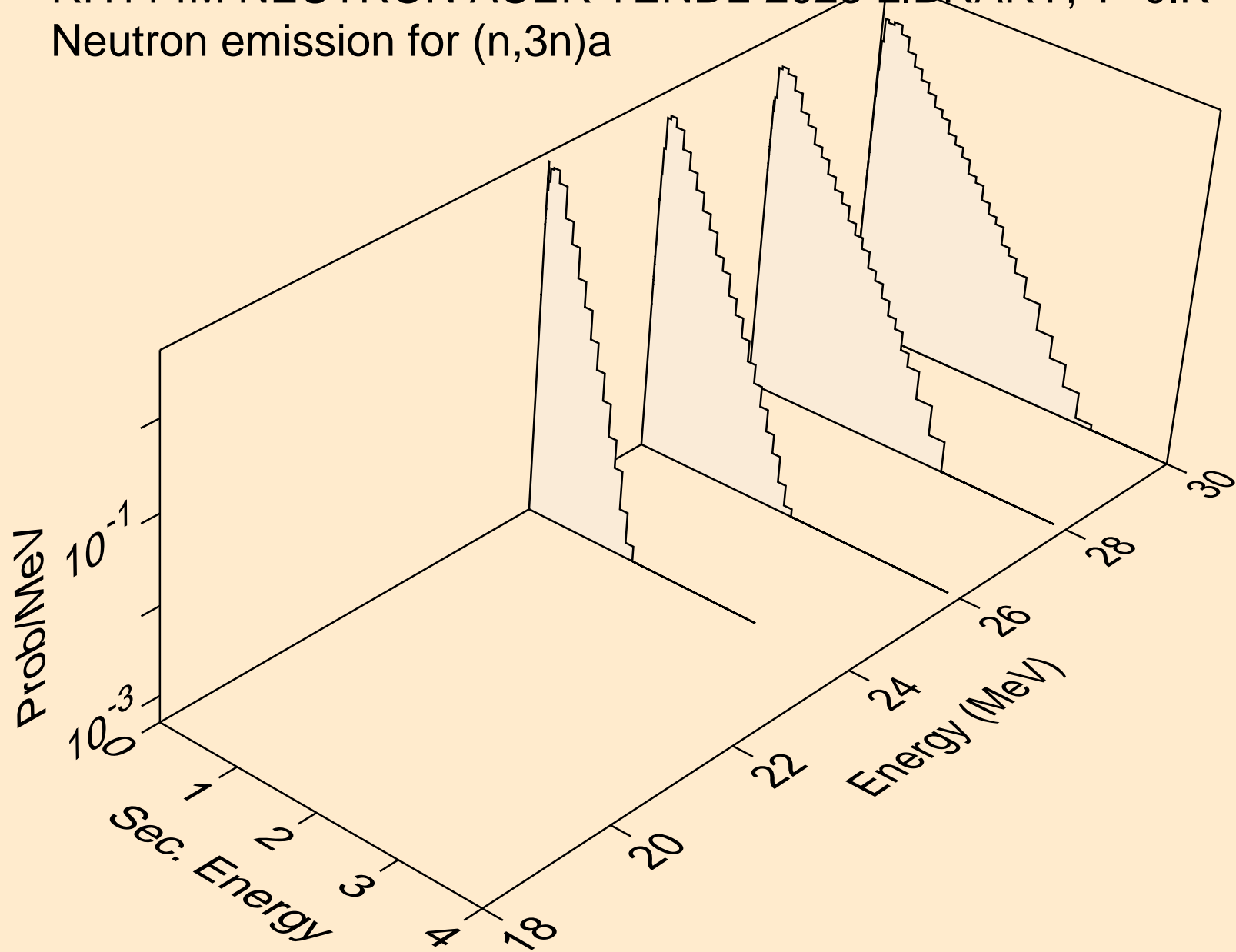
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Neutron emission for (n,n\*)a



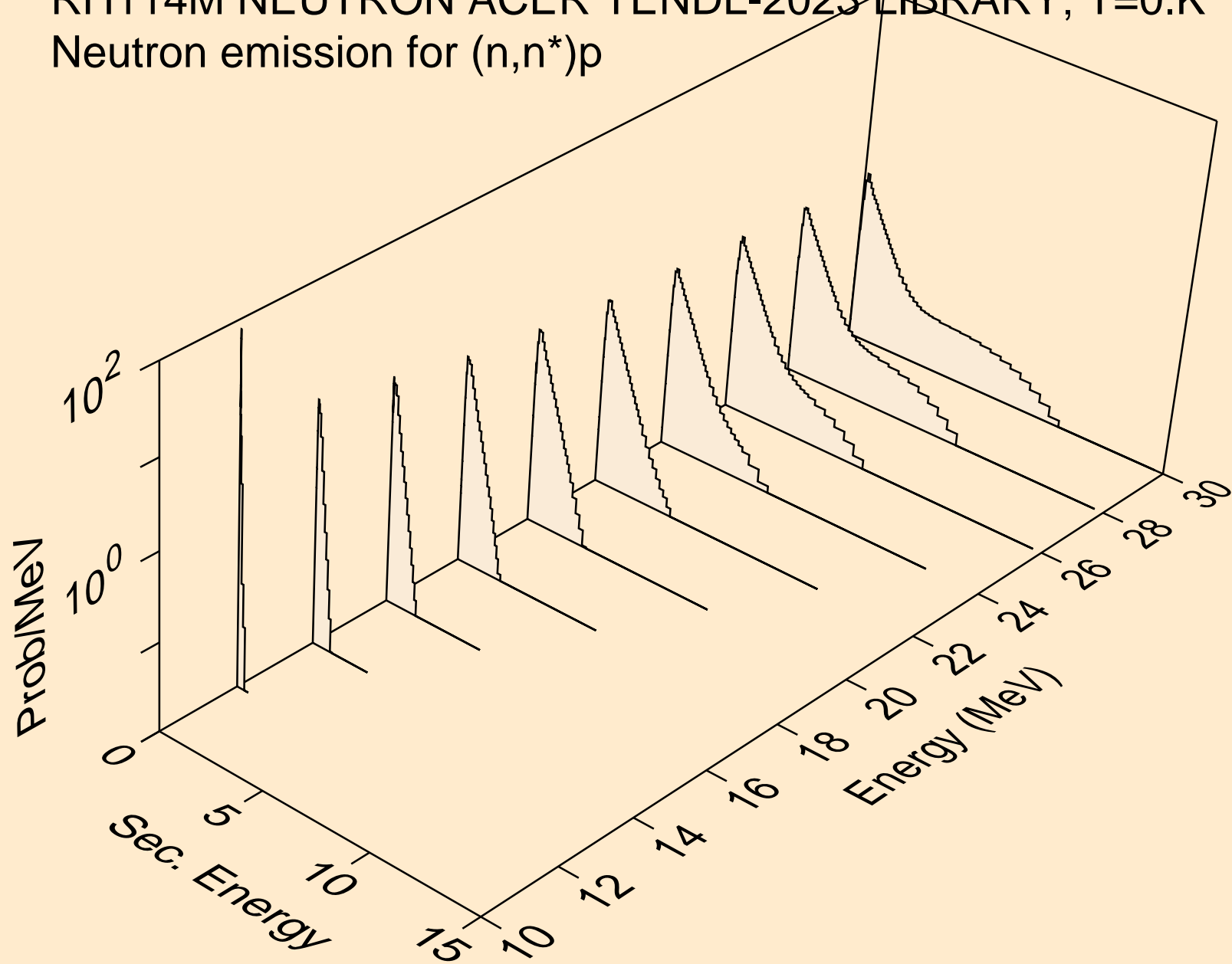
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Neutron emission for (n,2n)a



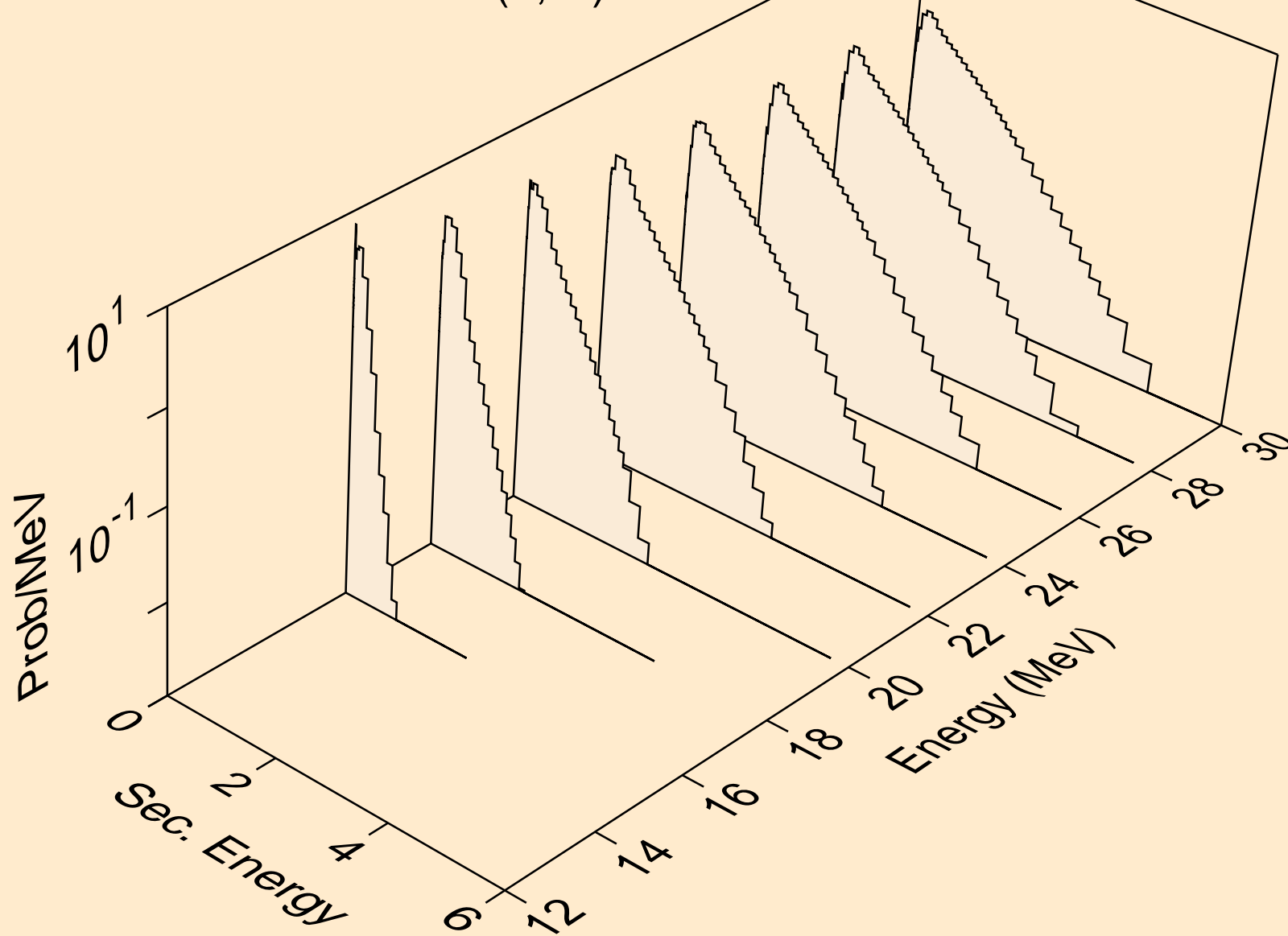
RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p

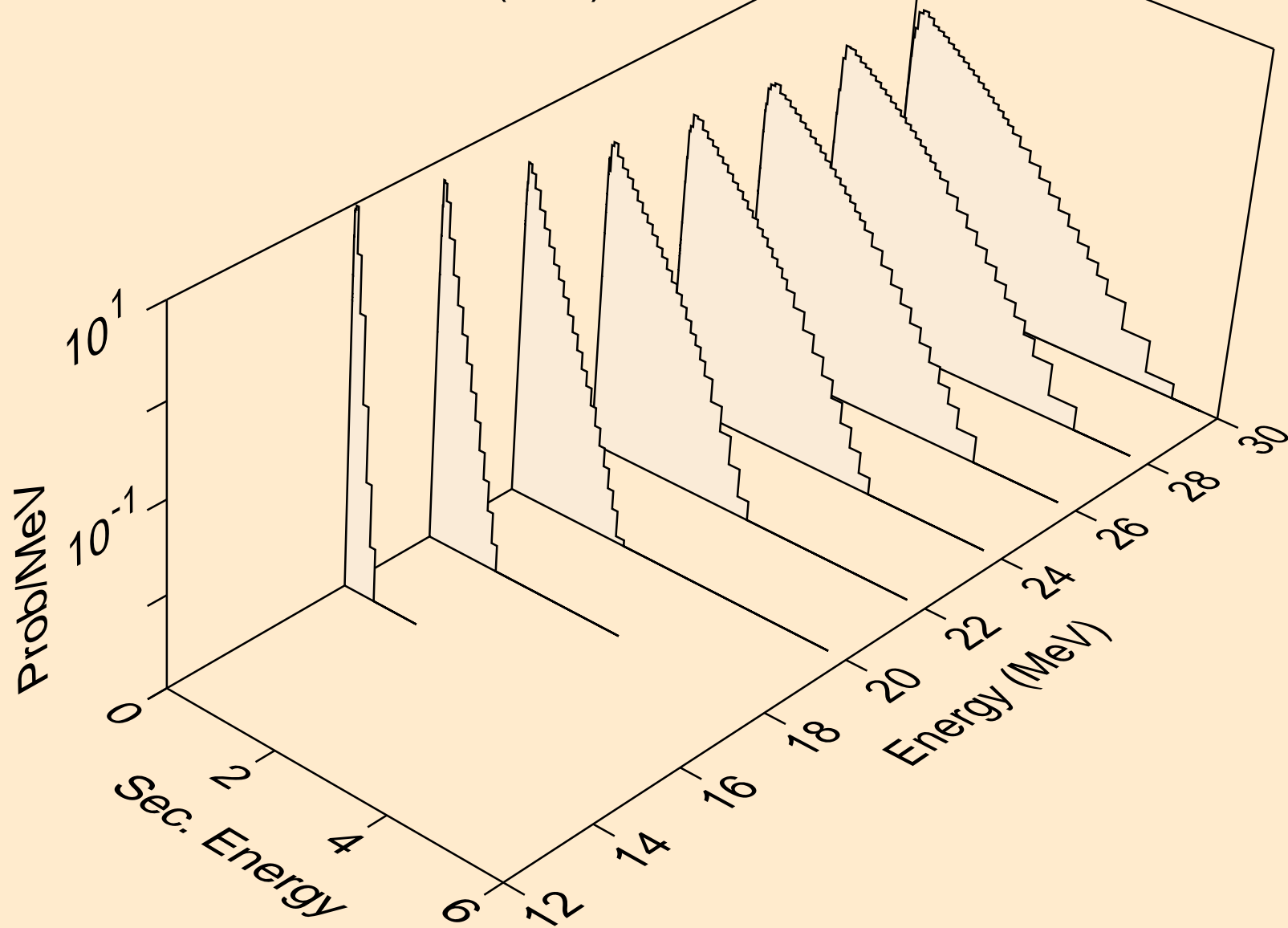


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Neutron emission for (n,n\*)d

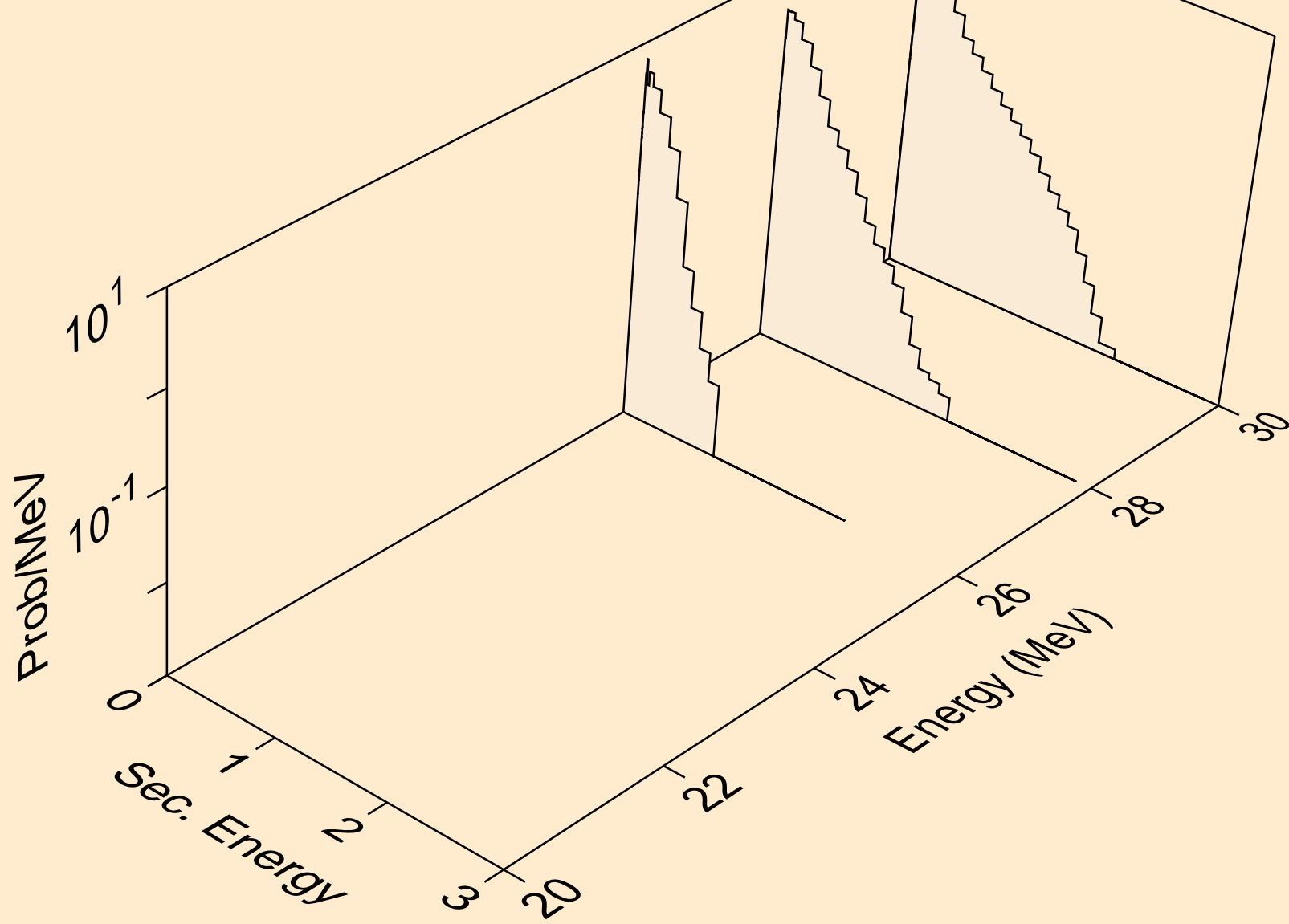




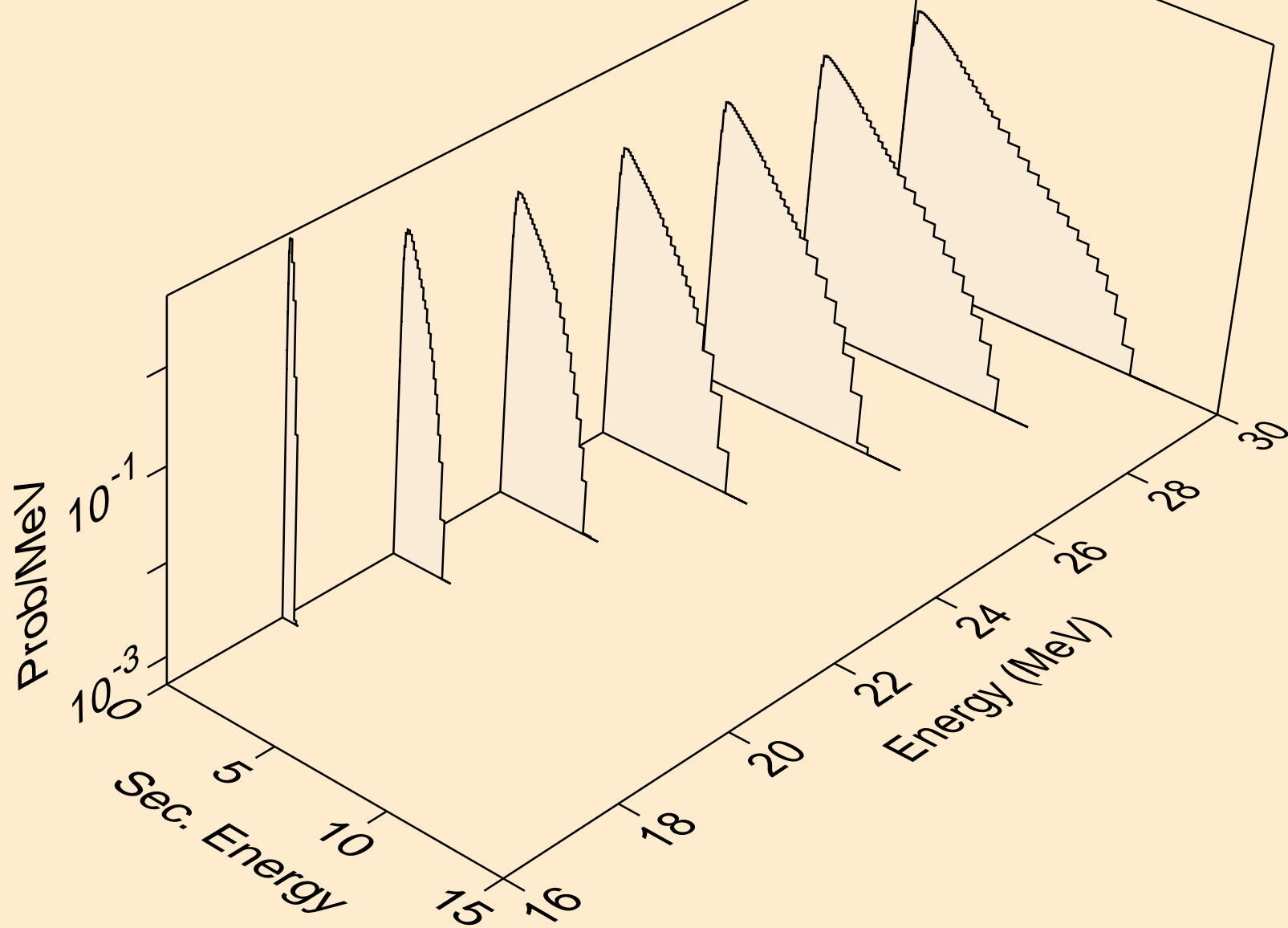
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Neutron emission for (n,n\*)t



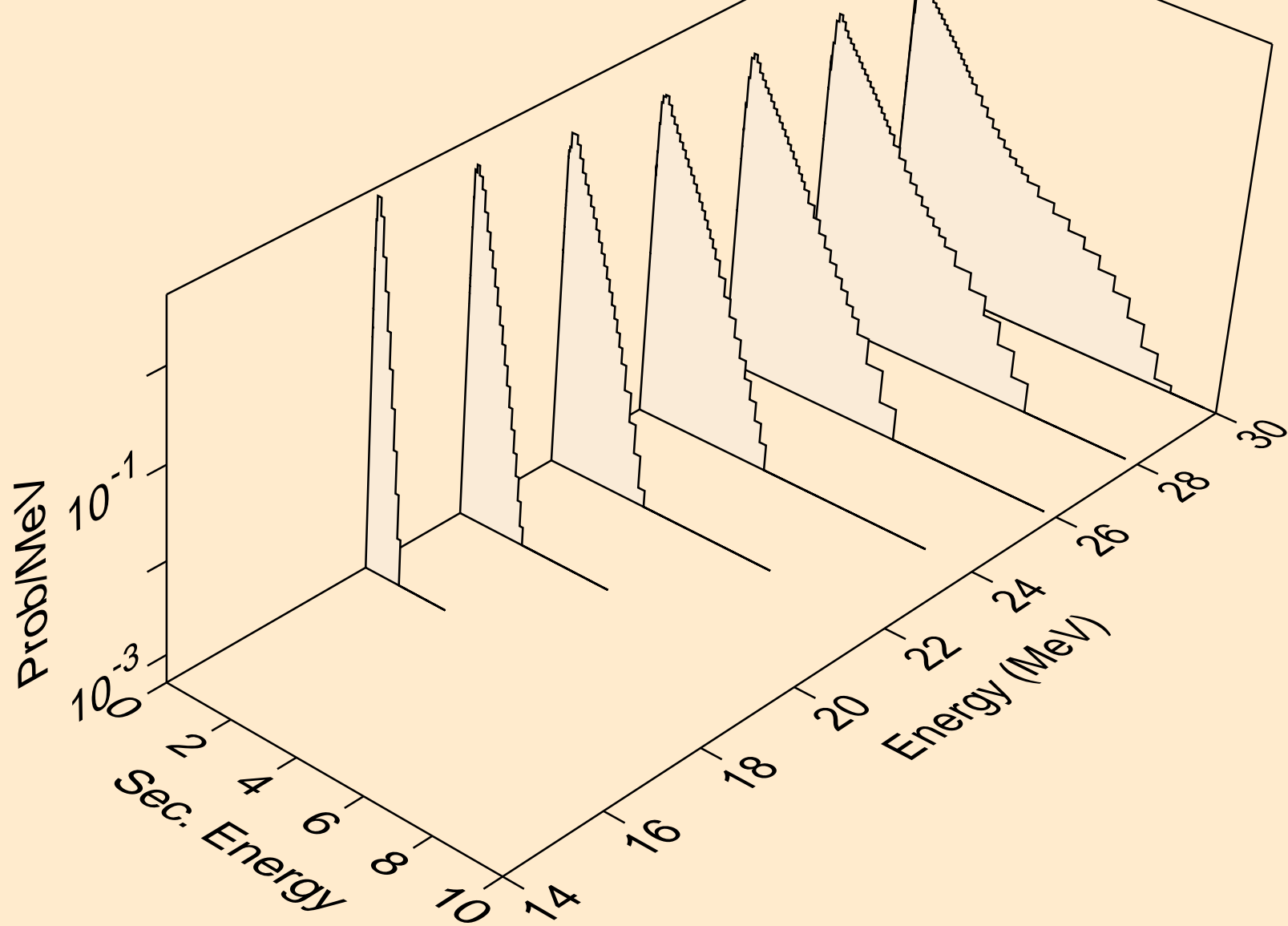
RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



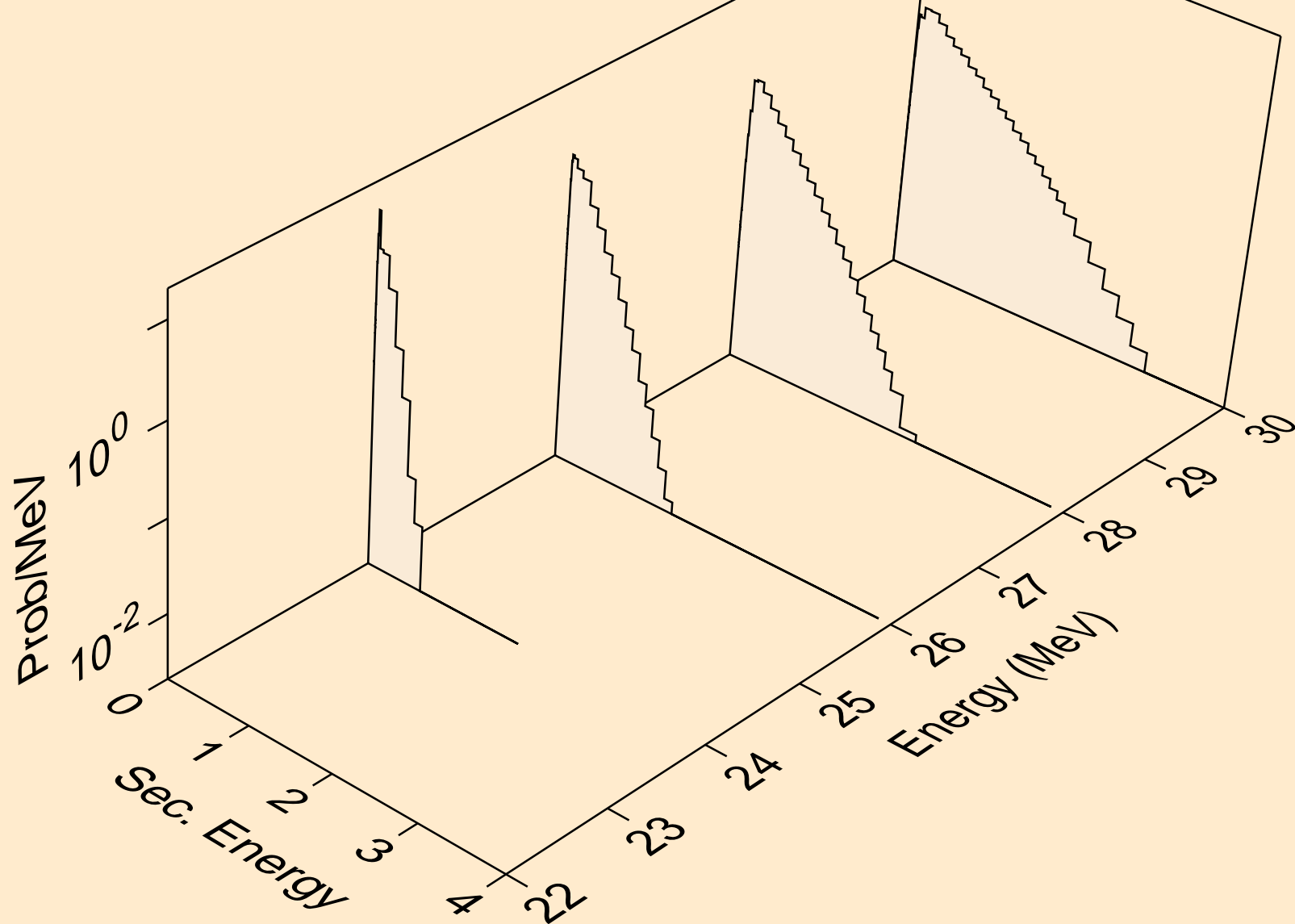
RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



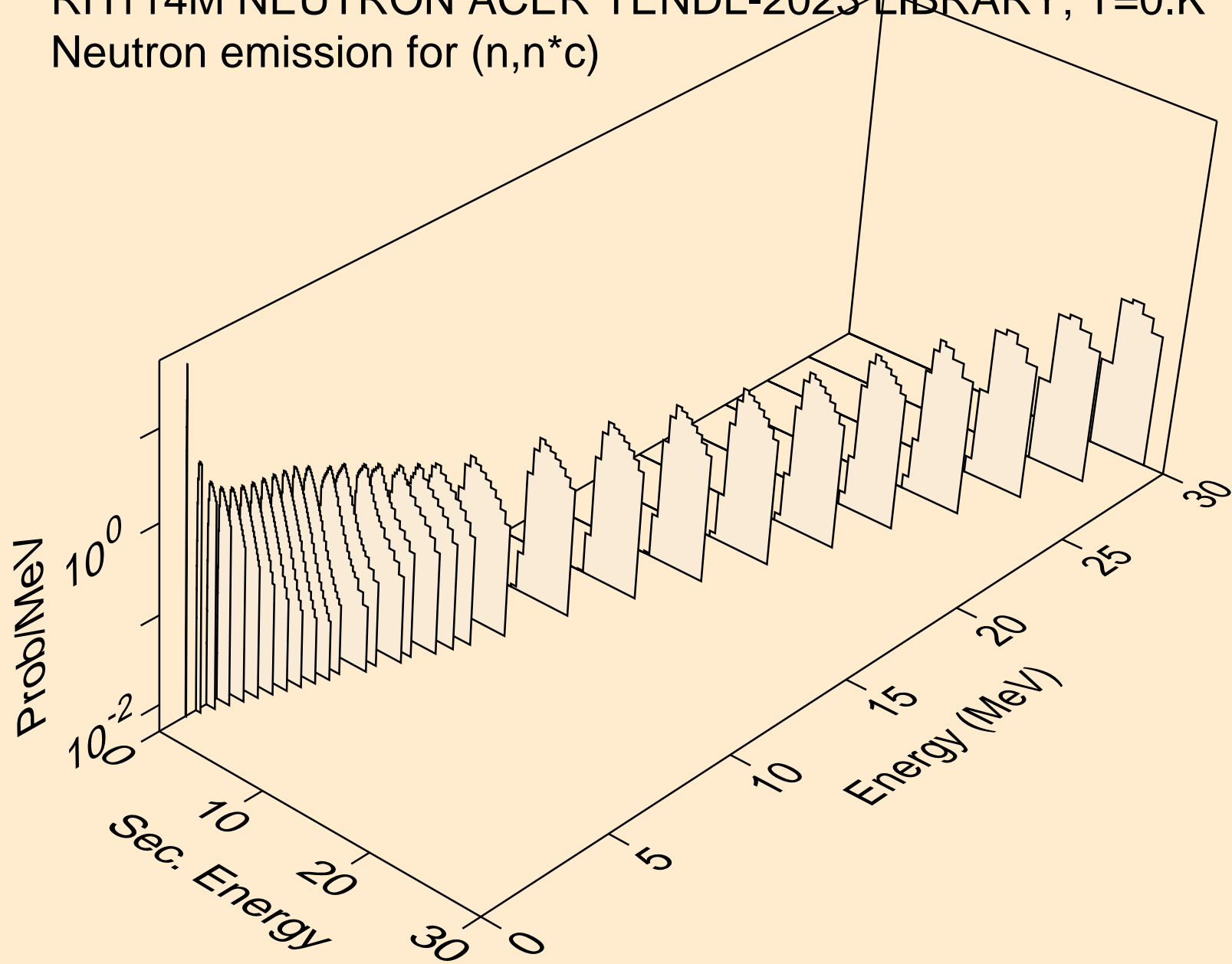
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Neutron emission for (n,2np)



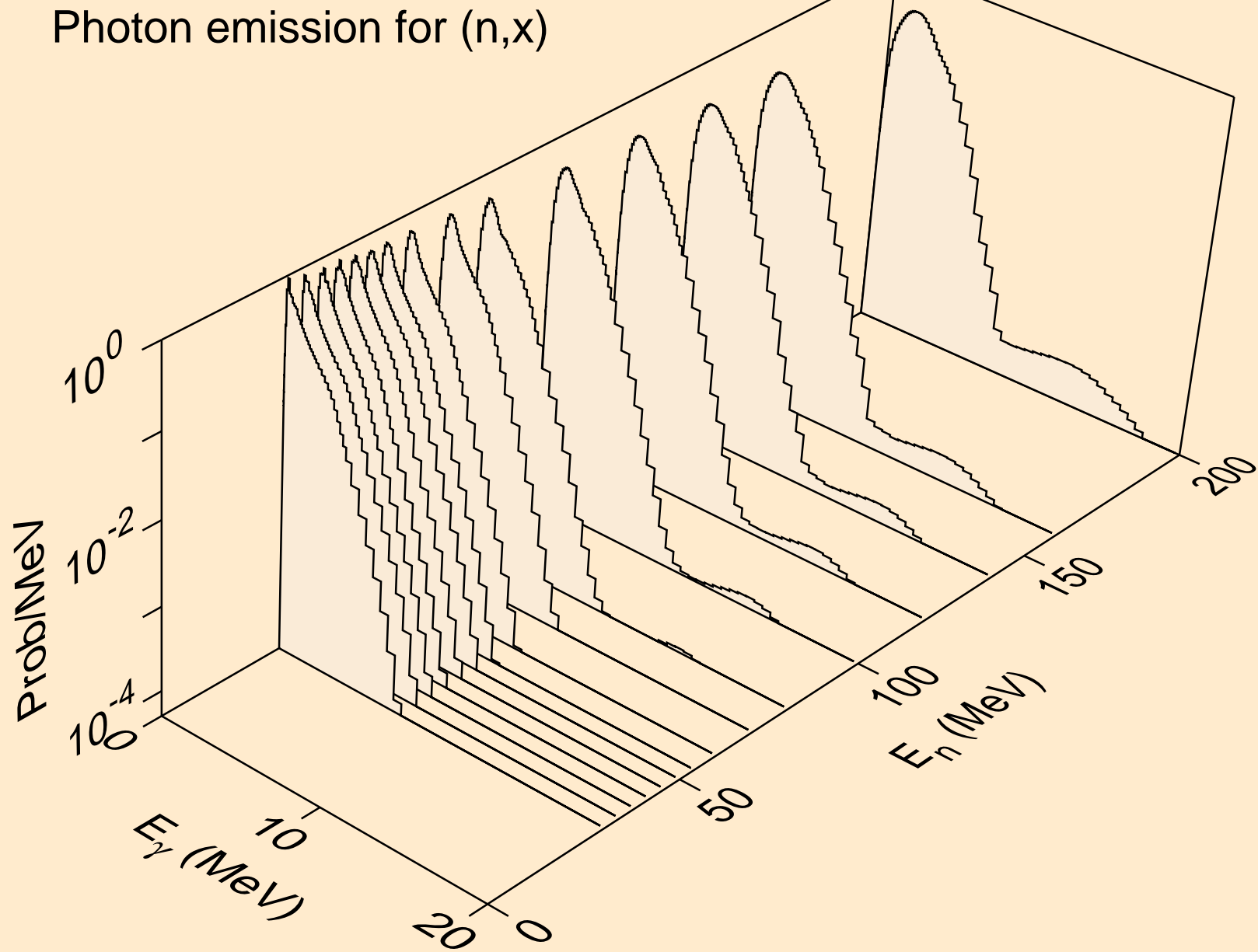
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Neutron emission for (n,3np)



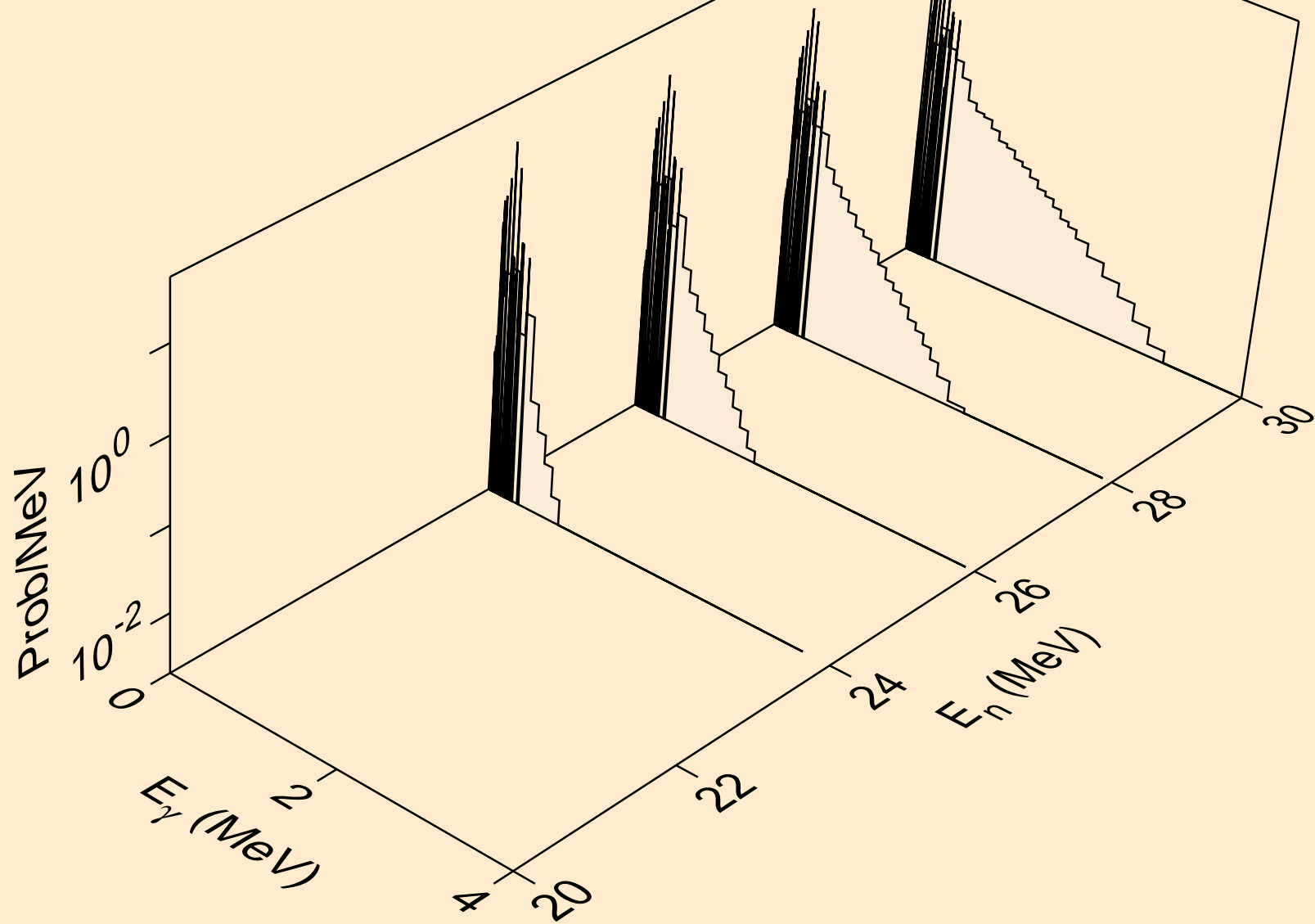
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Neutron emission for (n,n\*c)



RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)

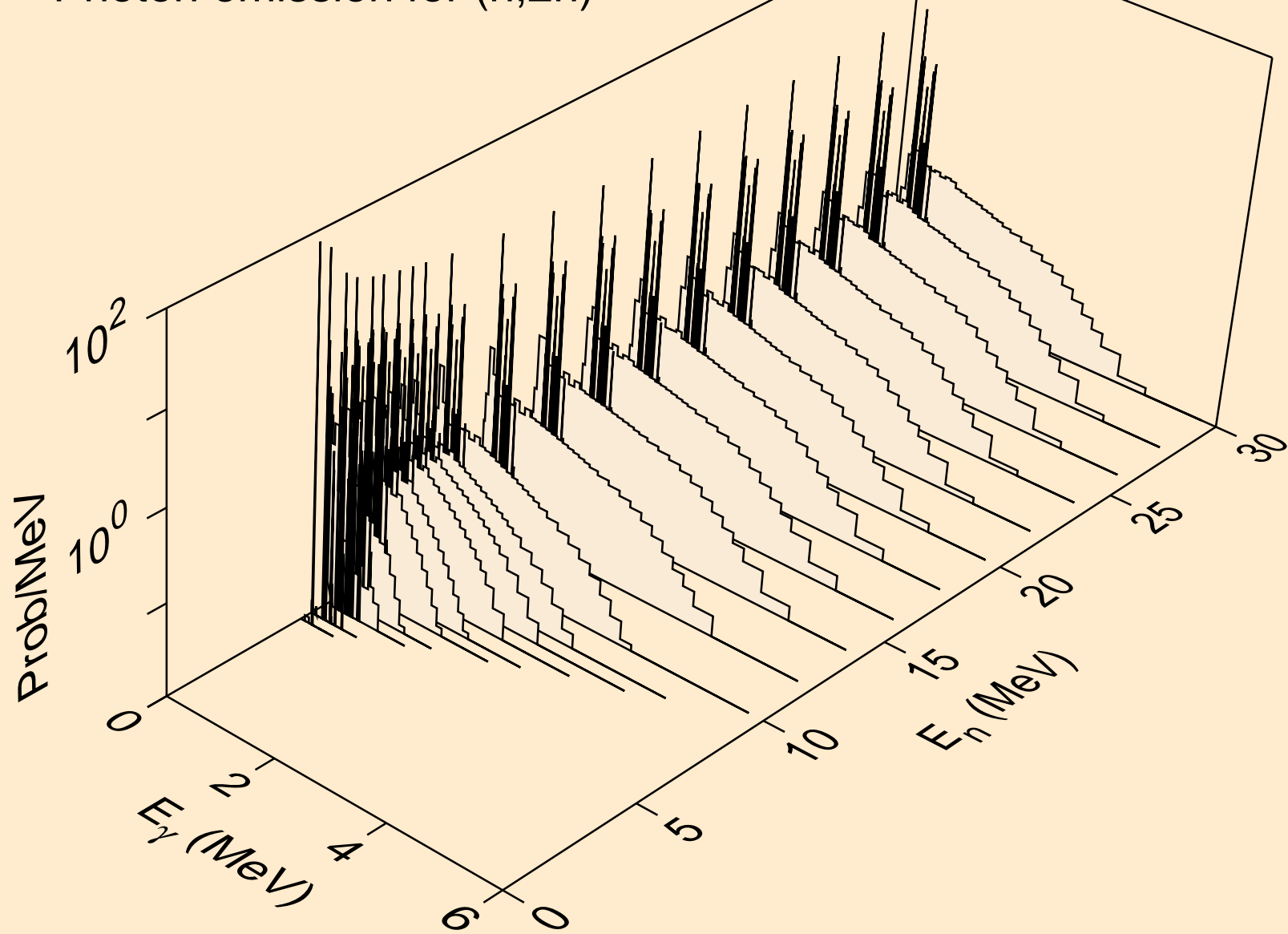


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Photon emission for (n,2nd)

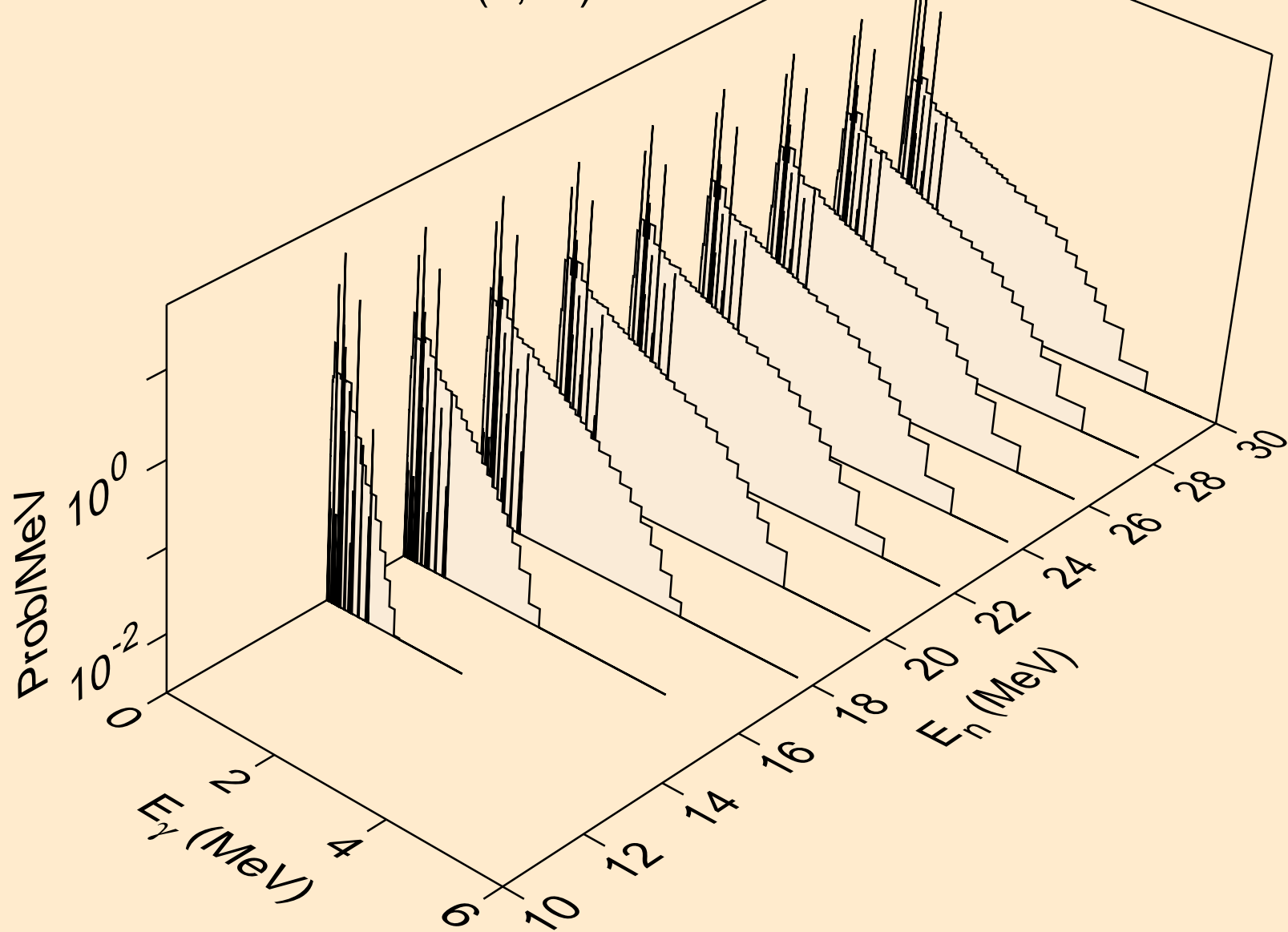




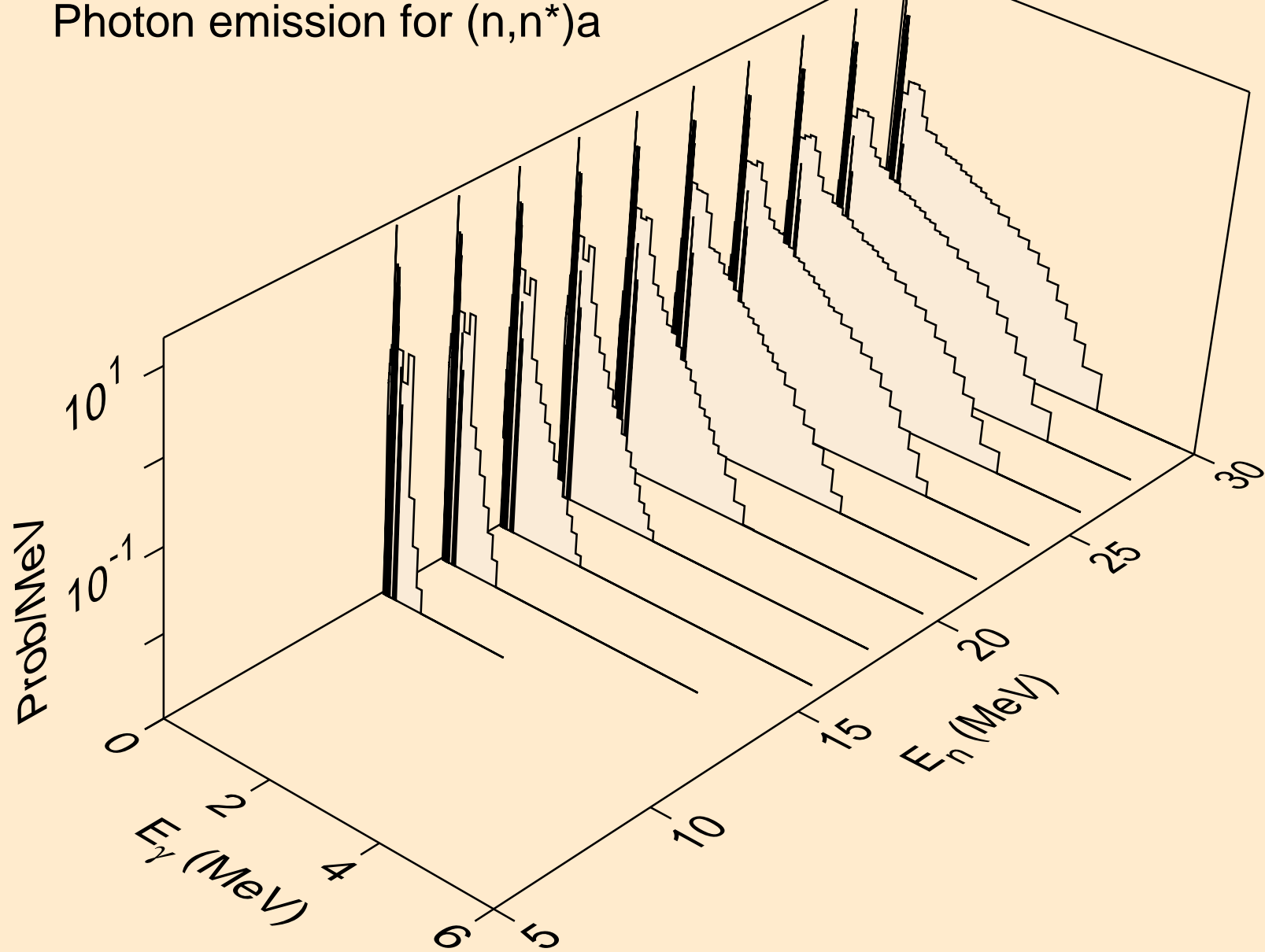
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Photon emission for (n,2n)



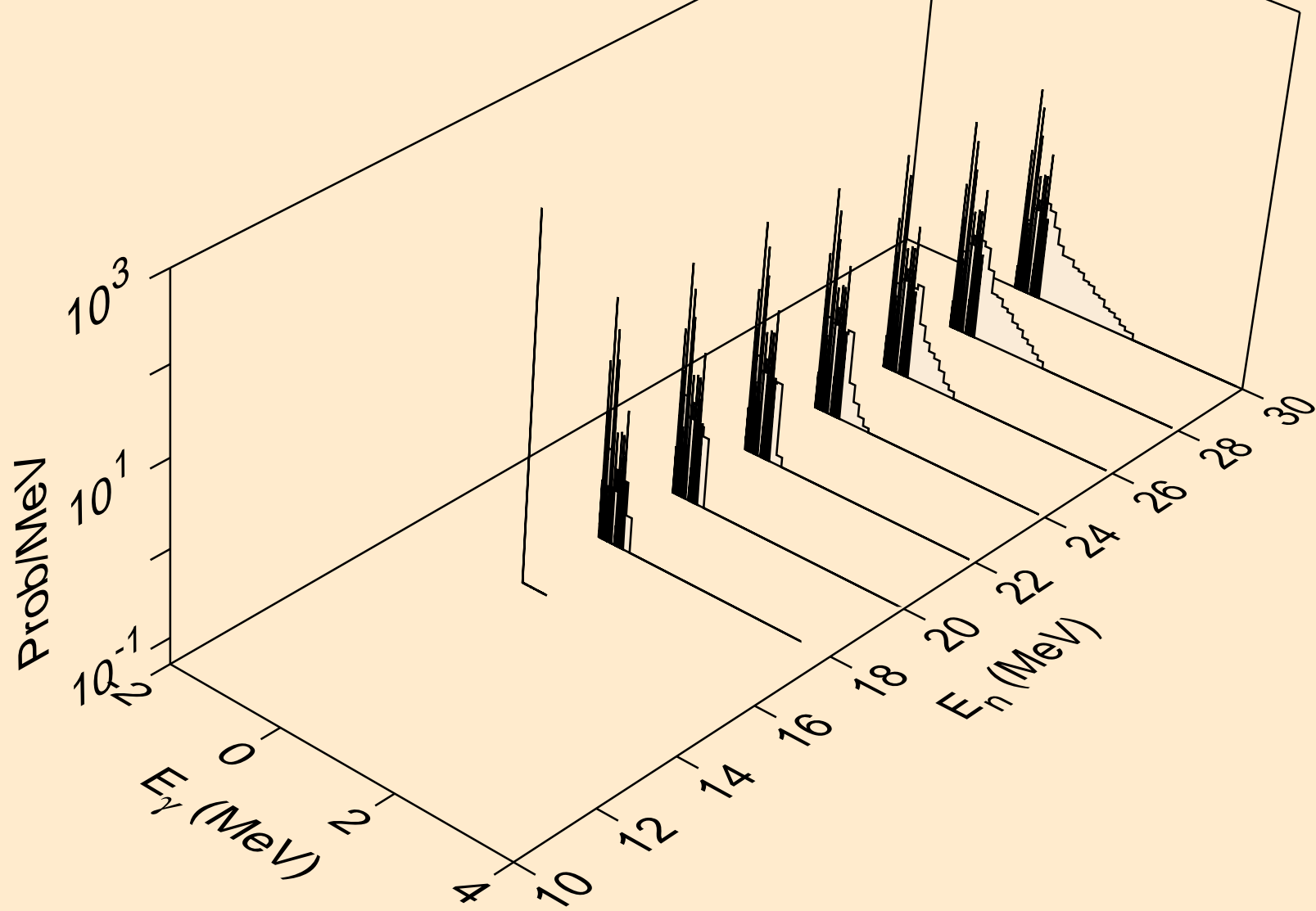
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Photon emission for (n,3n)



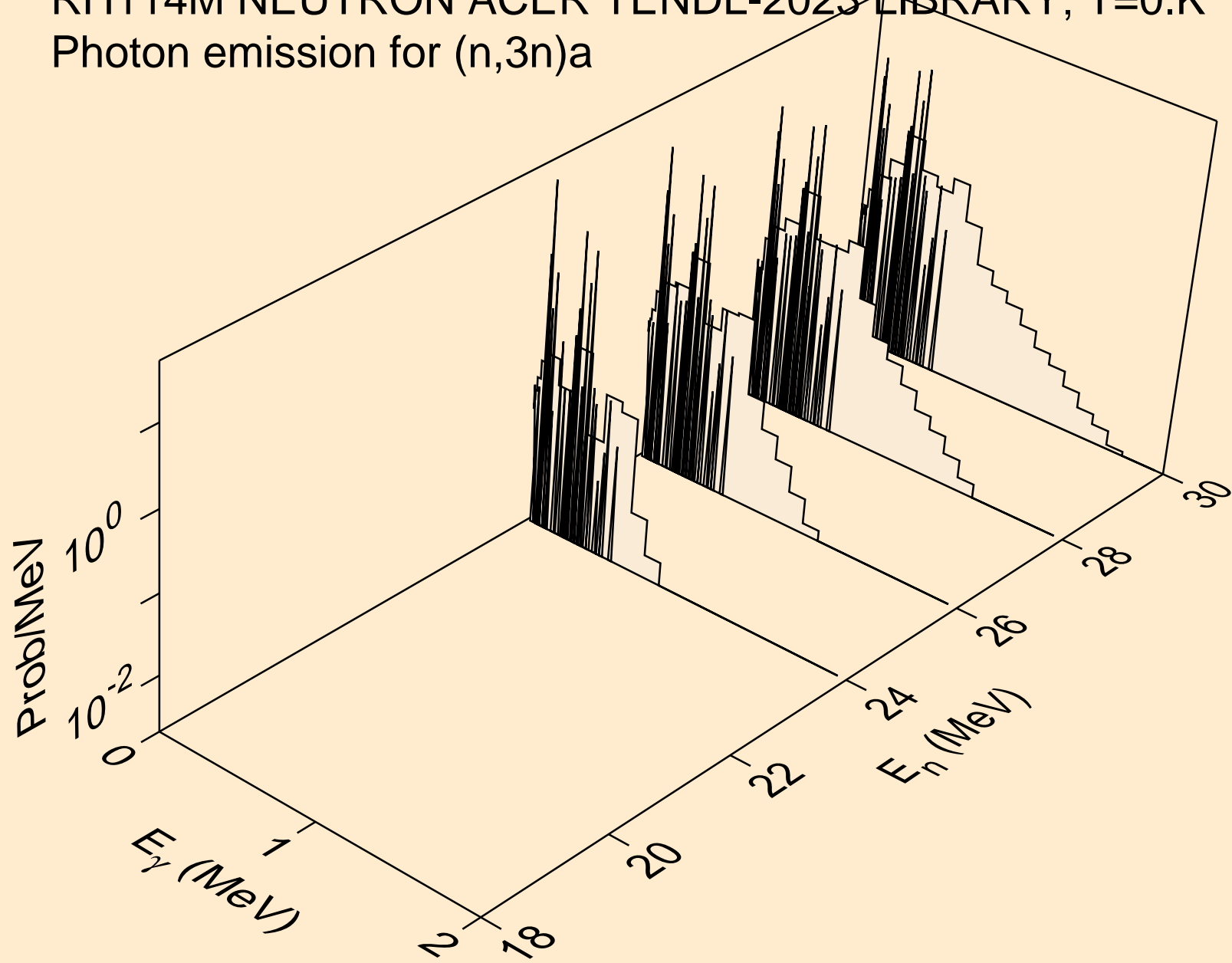
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Photon emission for (n,n\*)a



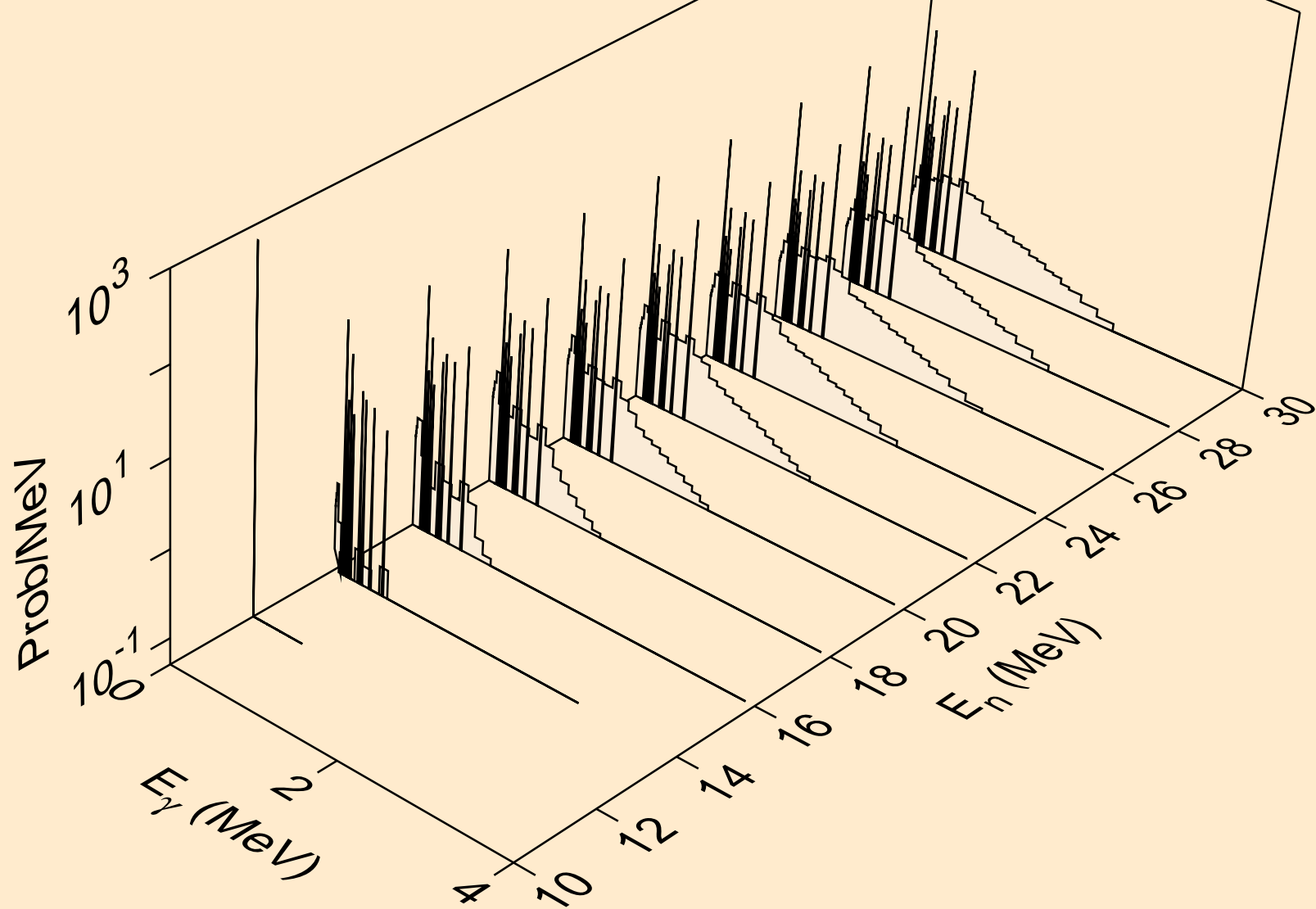
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Photon emission for (n,2n)a



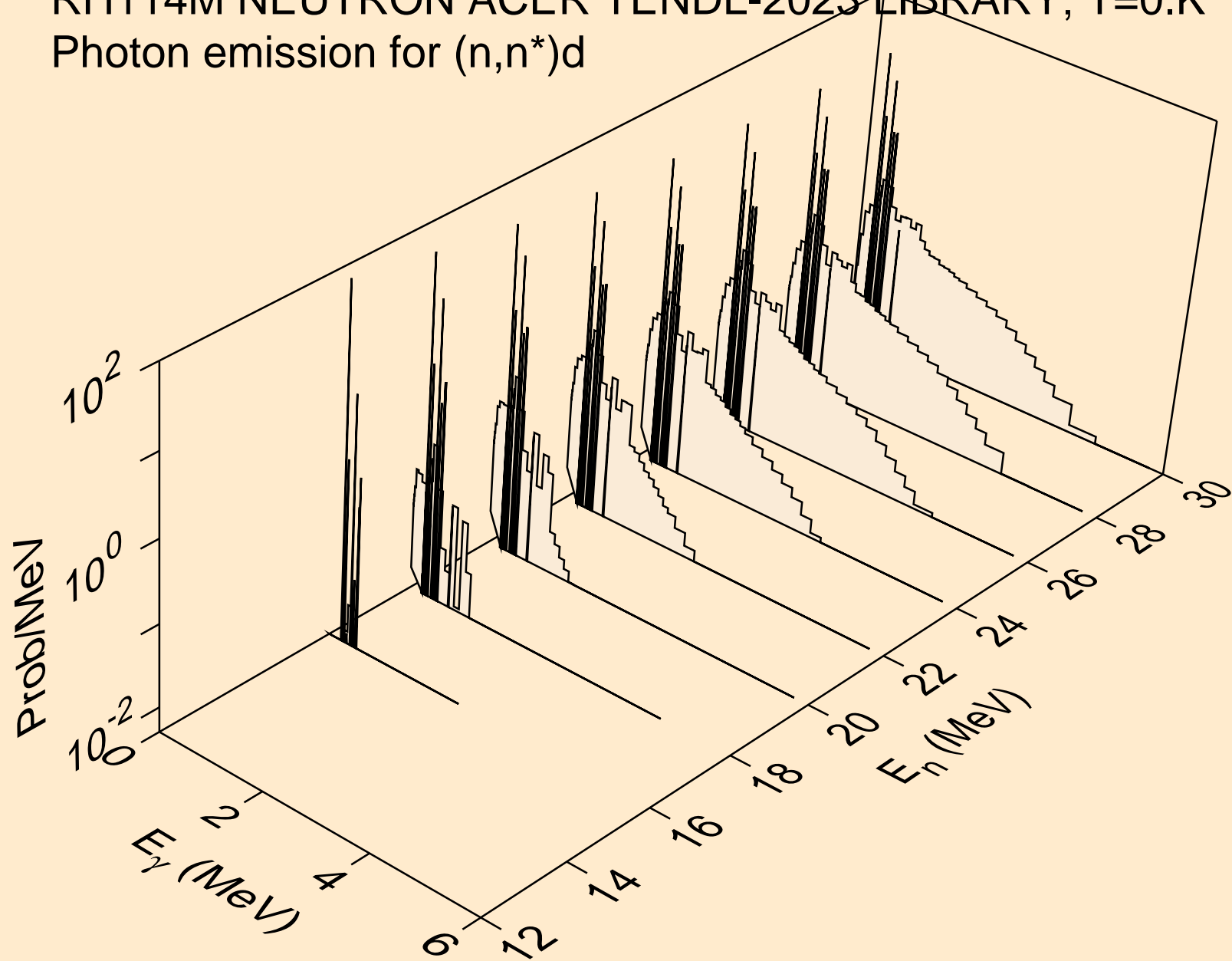
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Photon emission for (n,3n)a



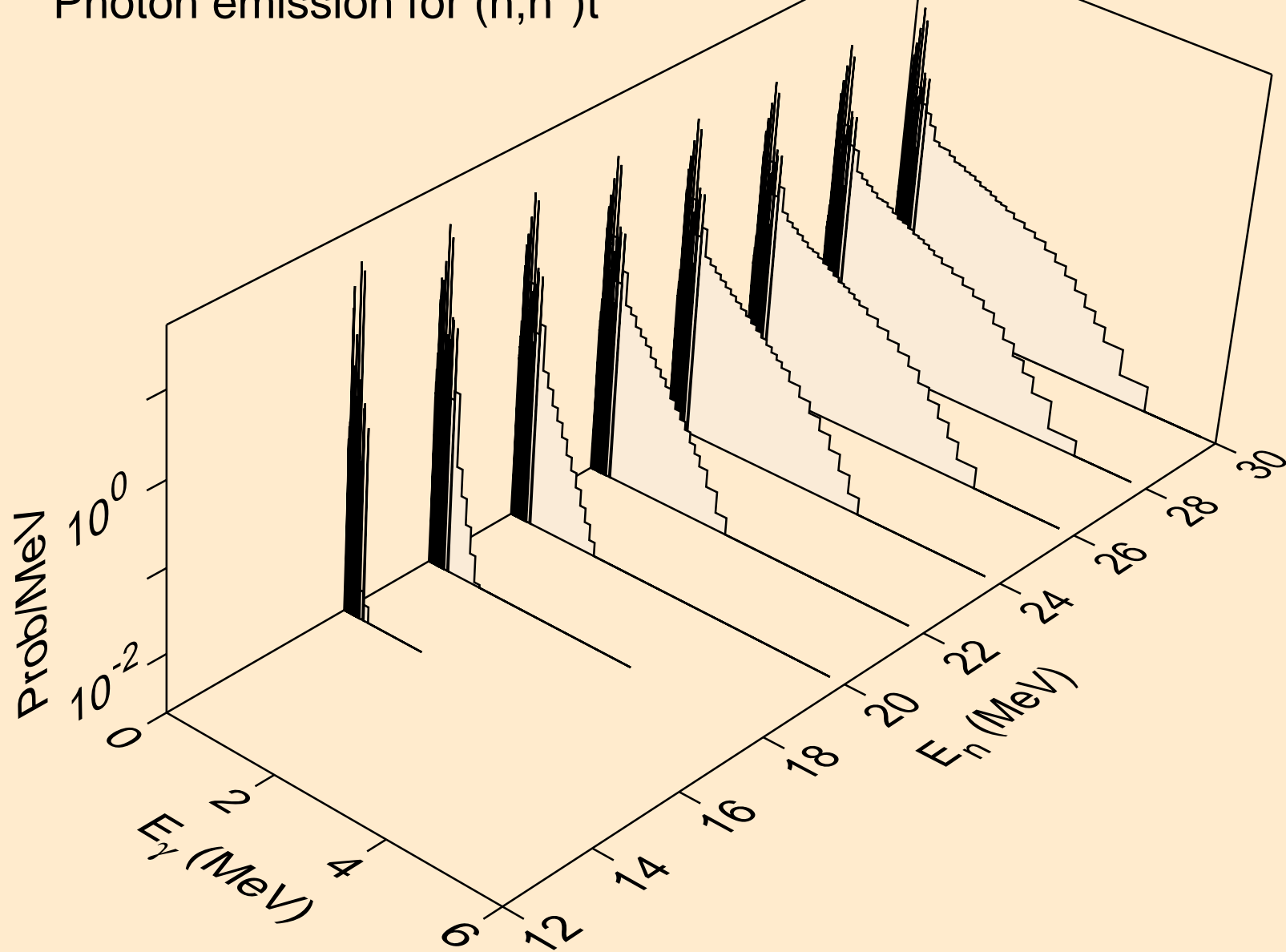
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Photon emission for (n,n\*)p



RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

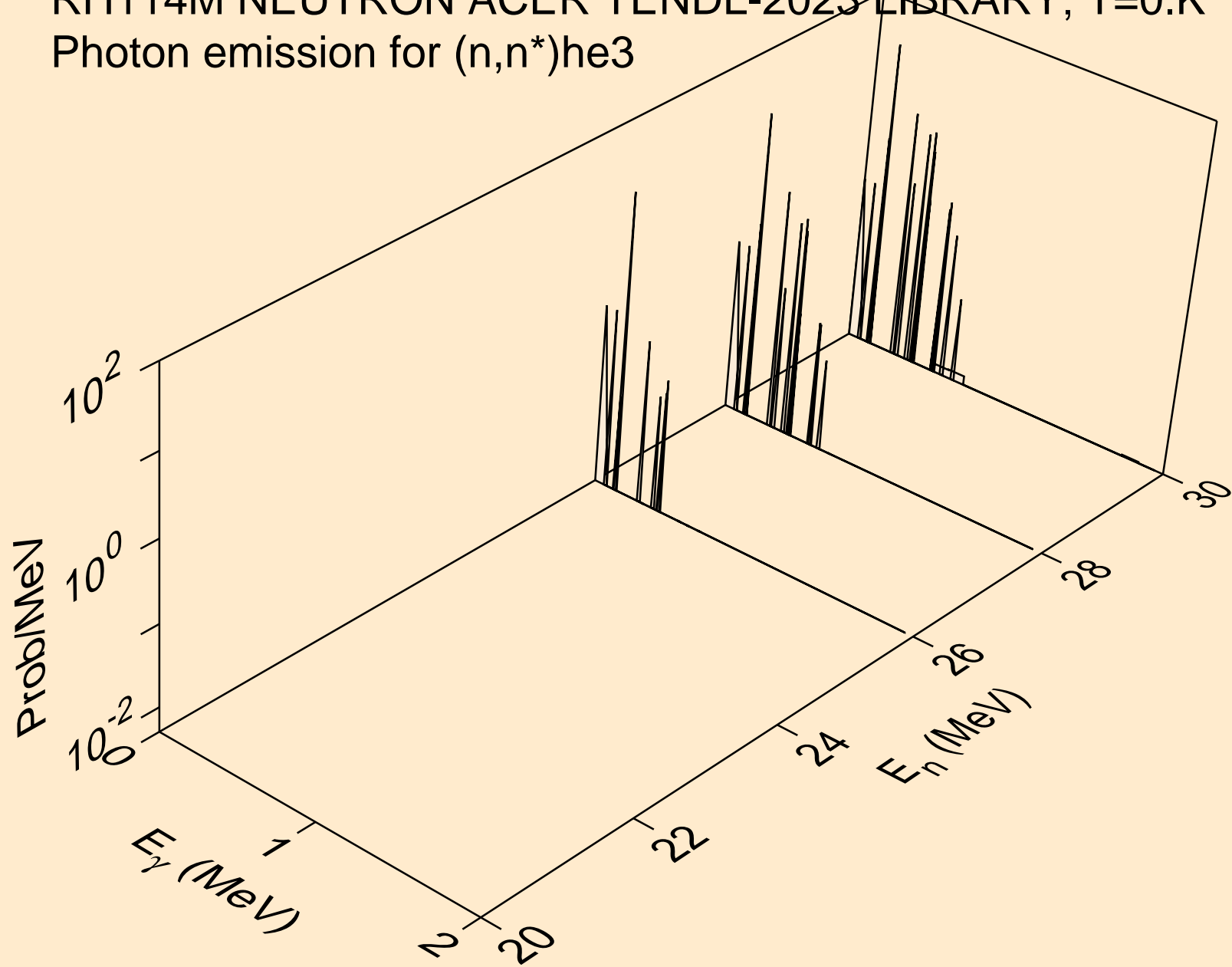


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Photon emission for (n,n\*)t

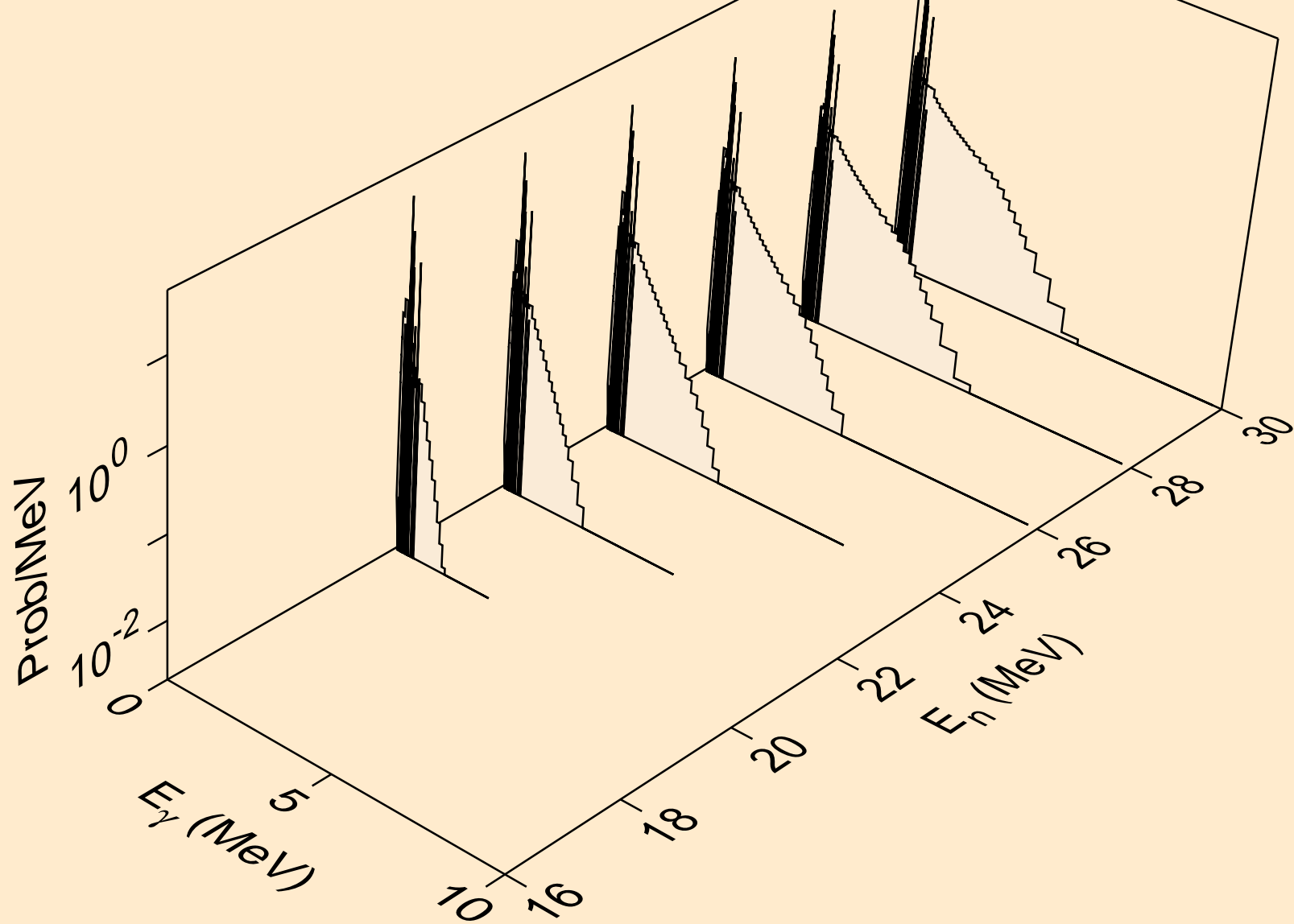




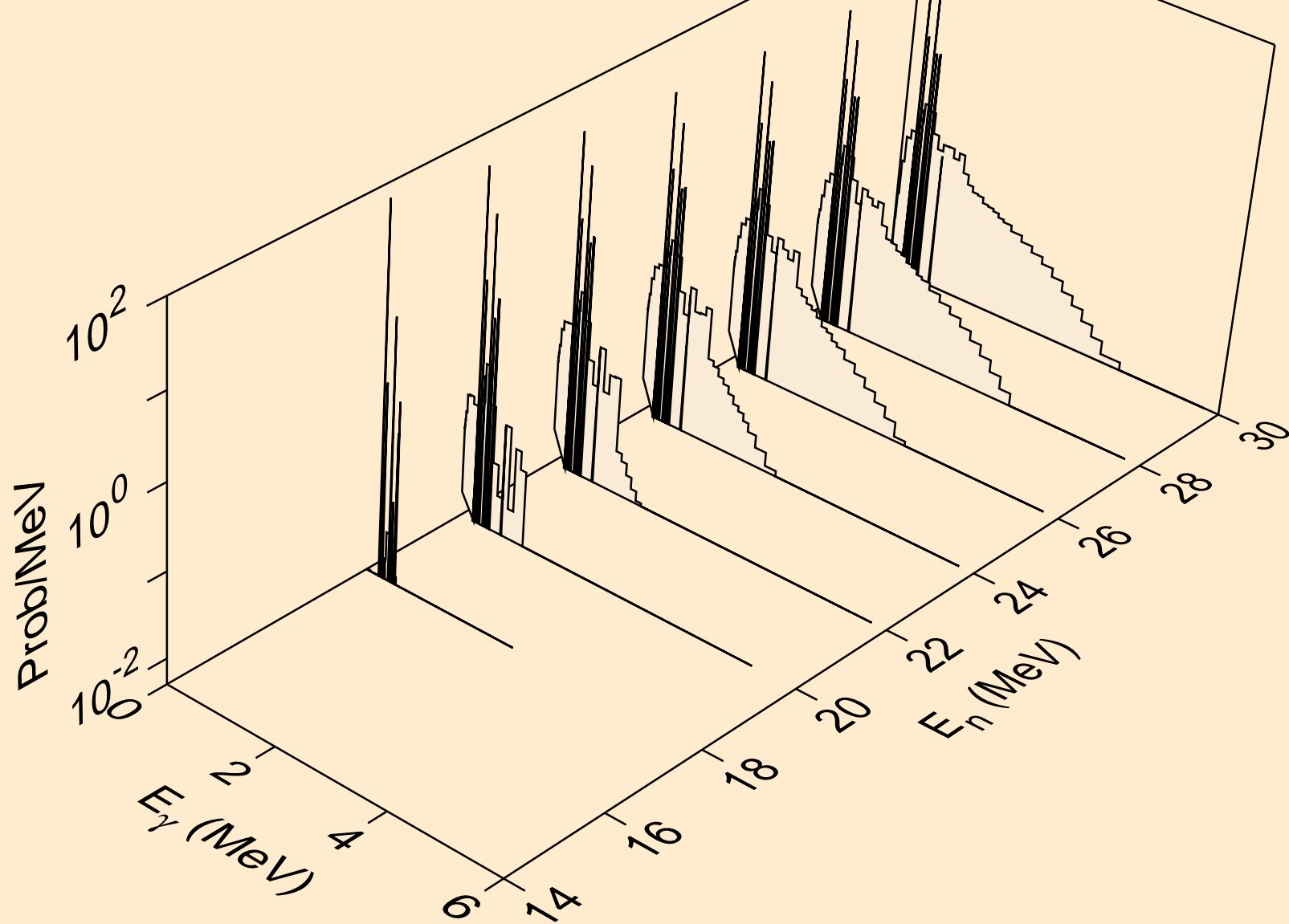
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Photon emission for (n,n\*)he3



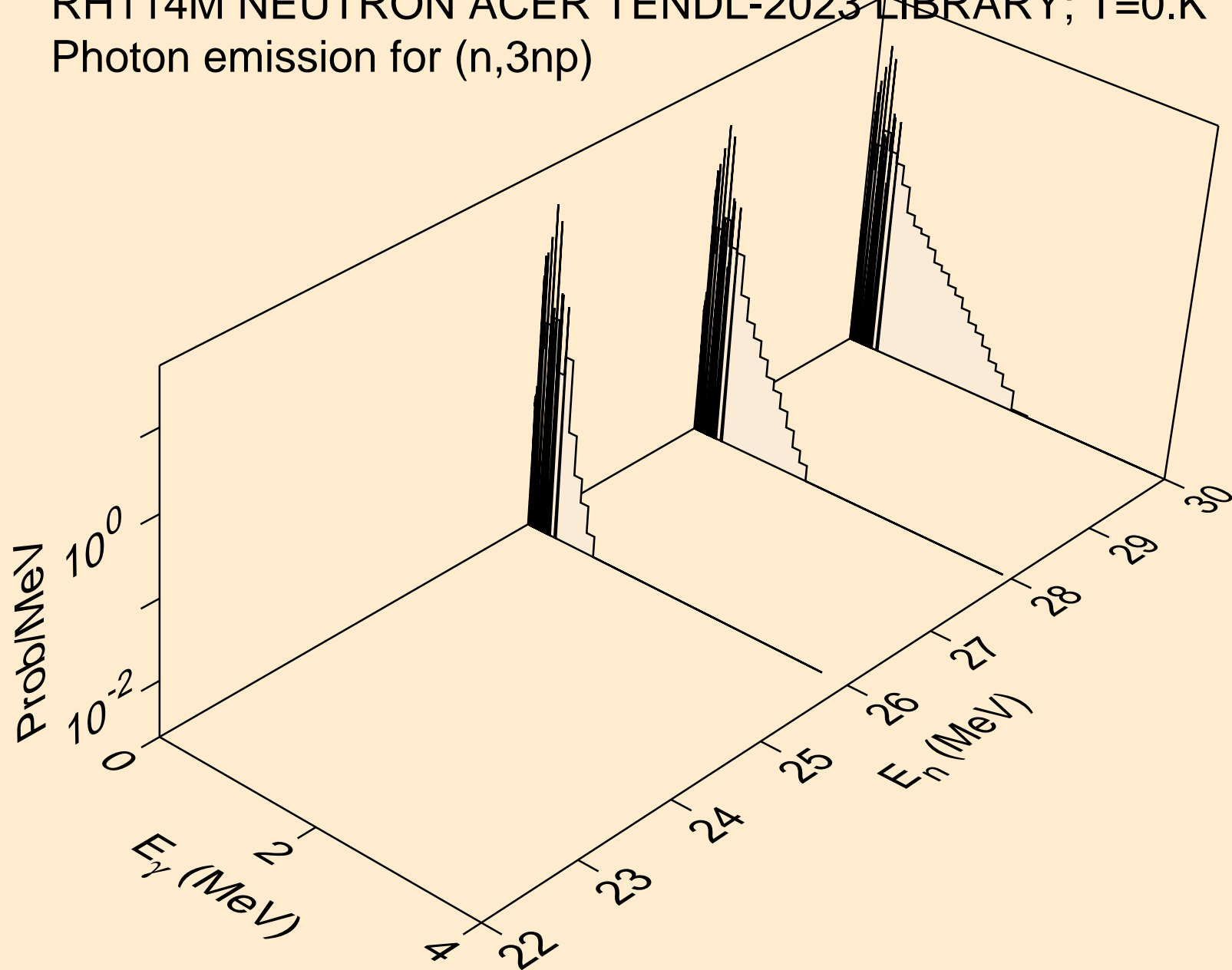
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Photon emission for (n,4n)



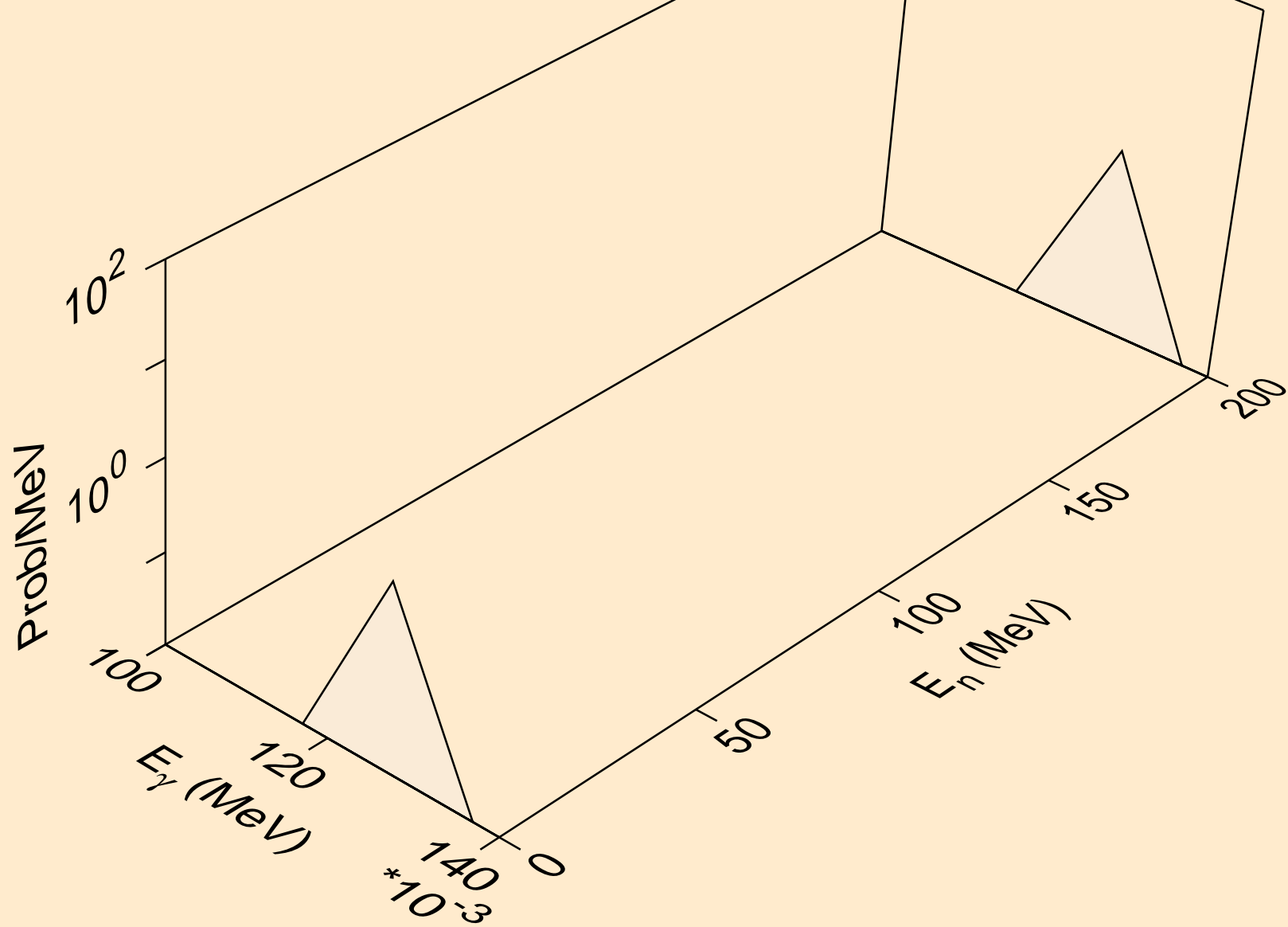
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Photon emission for (n,2np)



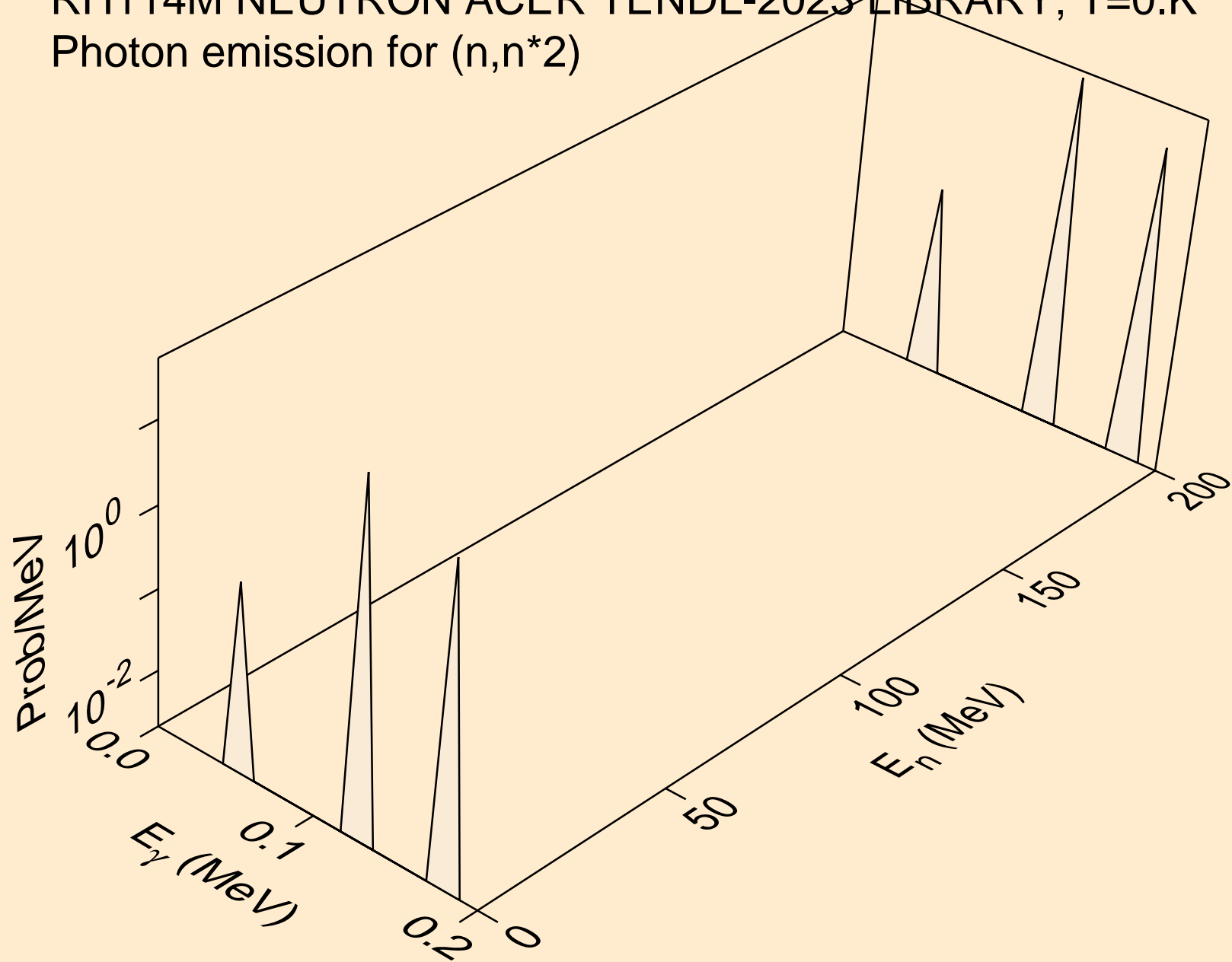
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Photon emission for (n,3np)



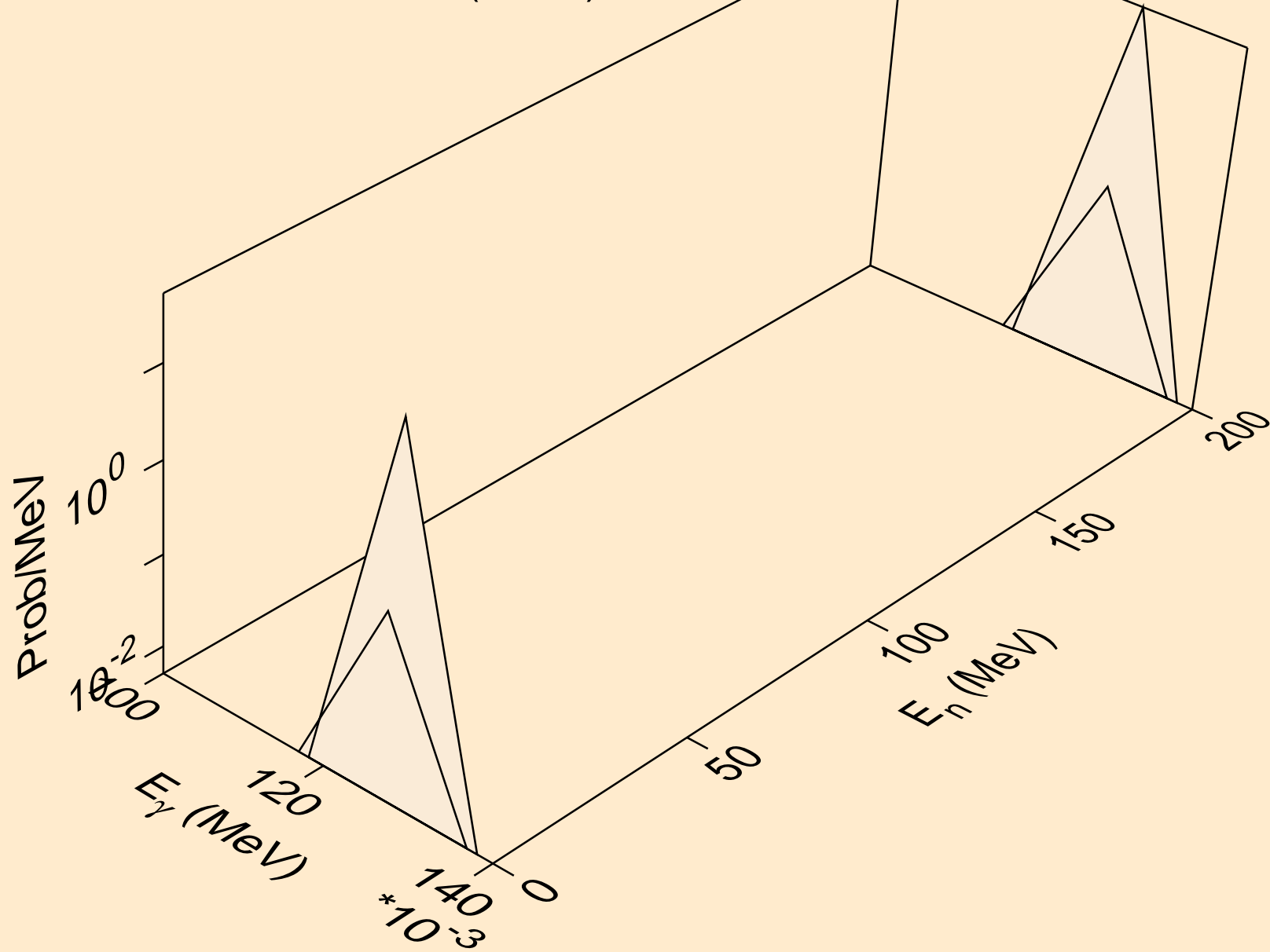
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Photon emission for (n,n\*1)



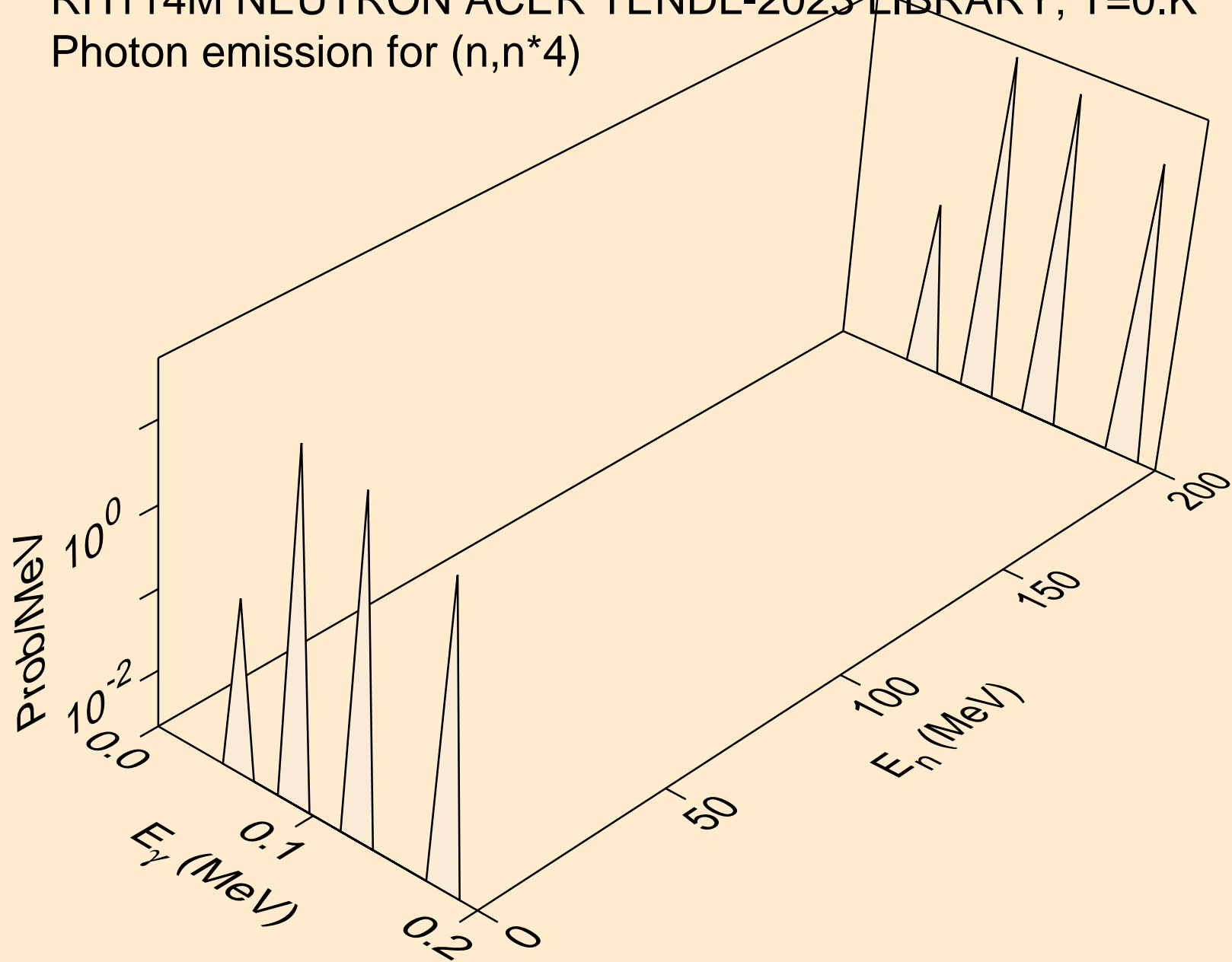
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Photon emission for (n,n\*2)



RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*3)

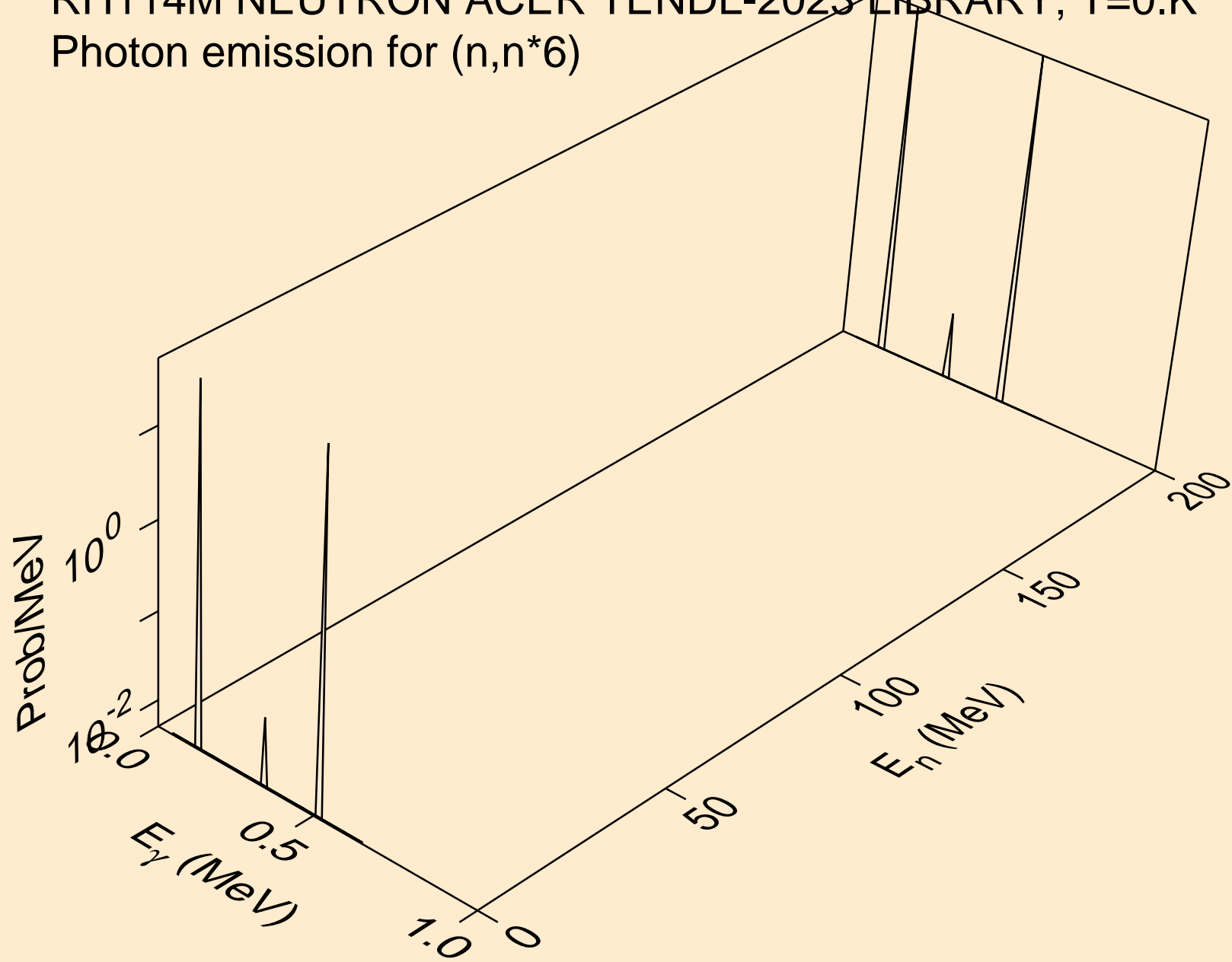


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Photon emission for (n,n\*4)

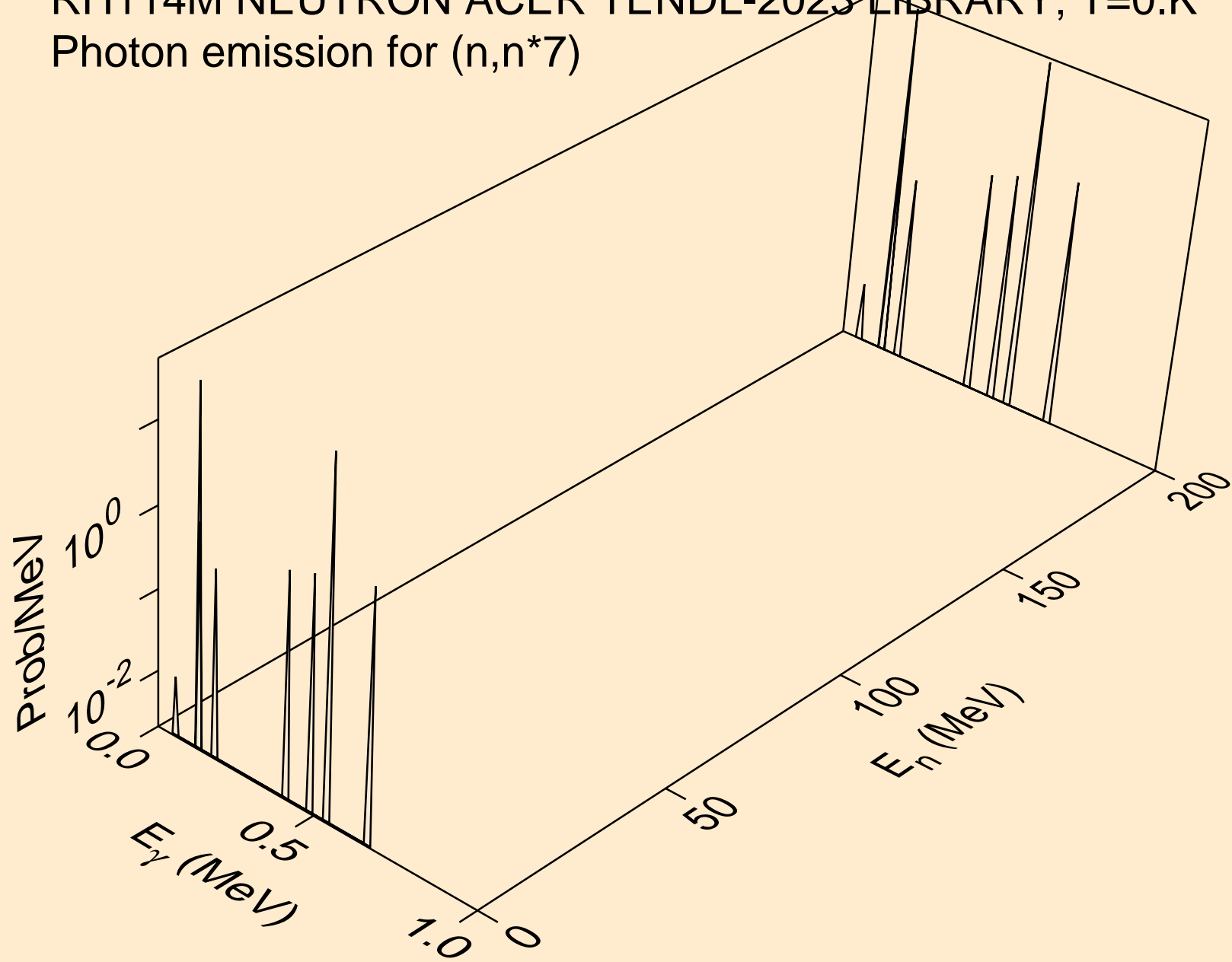




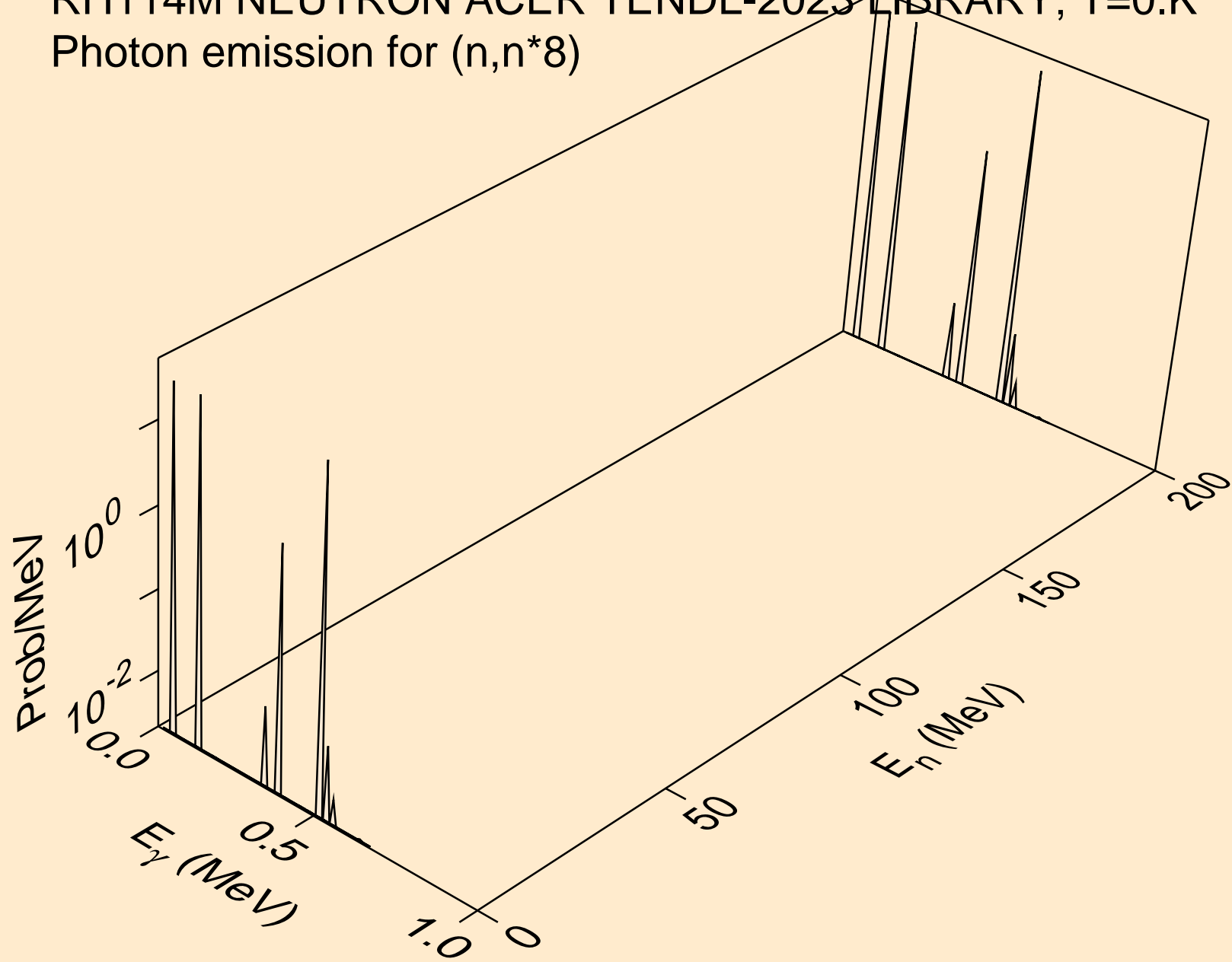
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Photon emission for (n,n\*6)



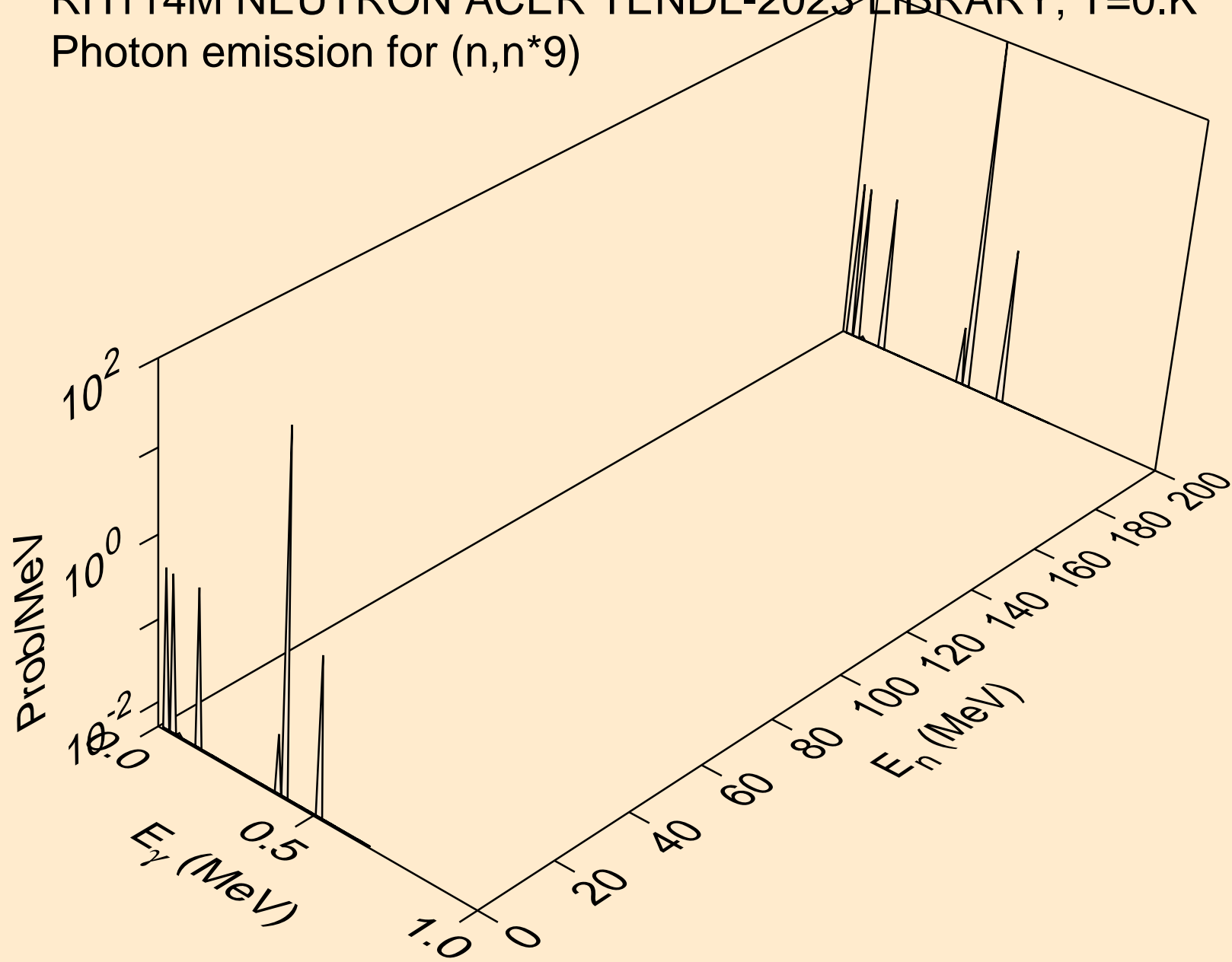
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Photon emission for (n,n\*7)



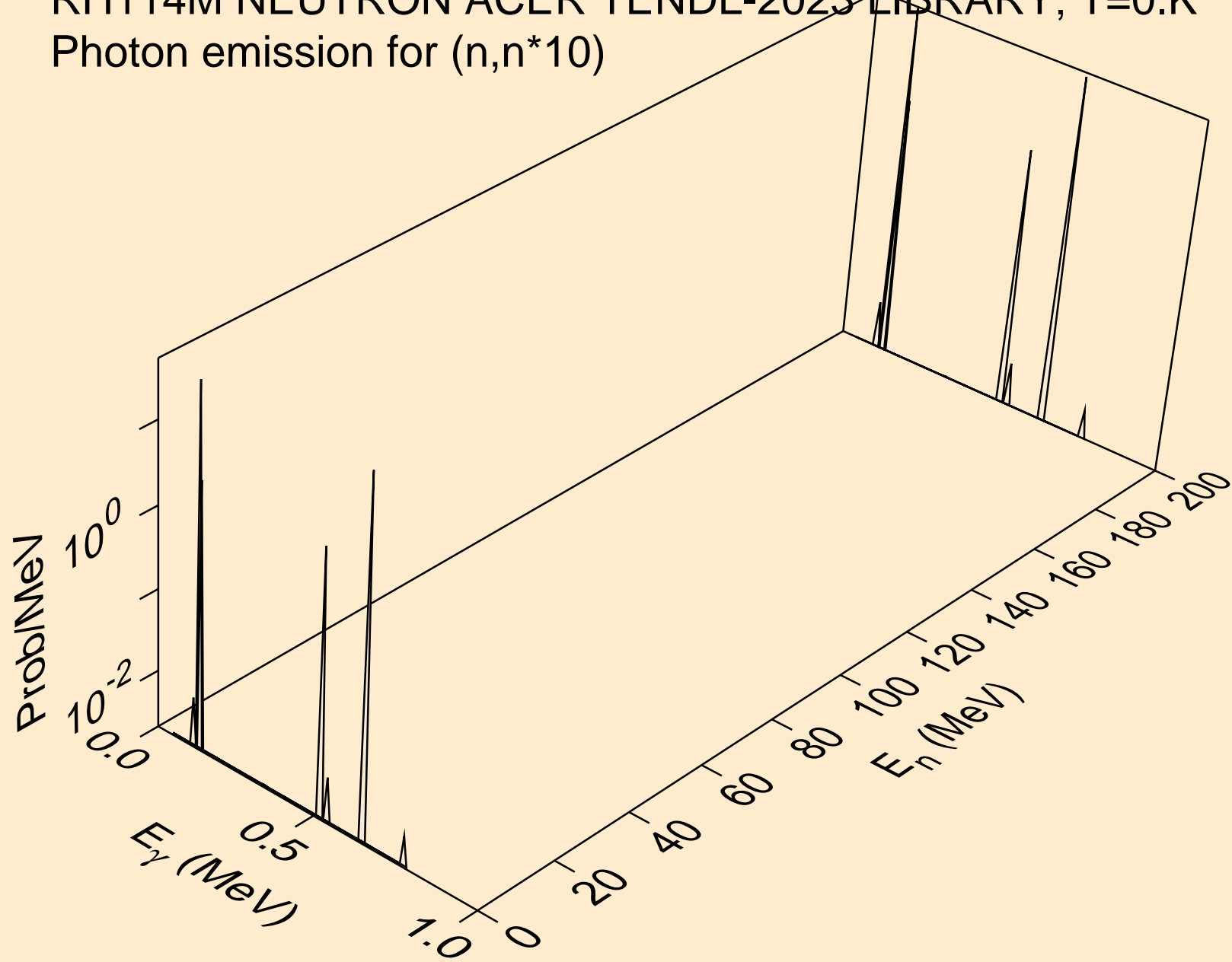
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Photon emission for (n,n\*8)



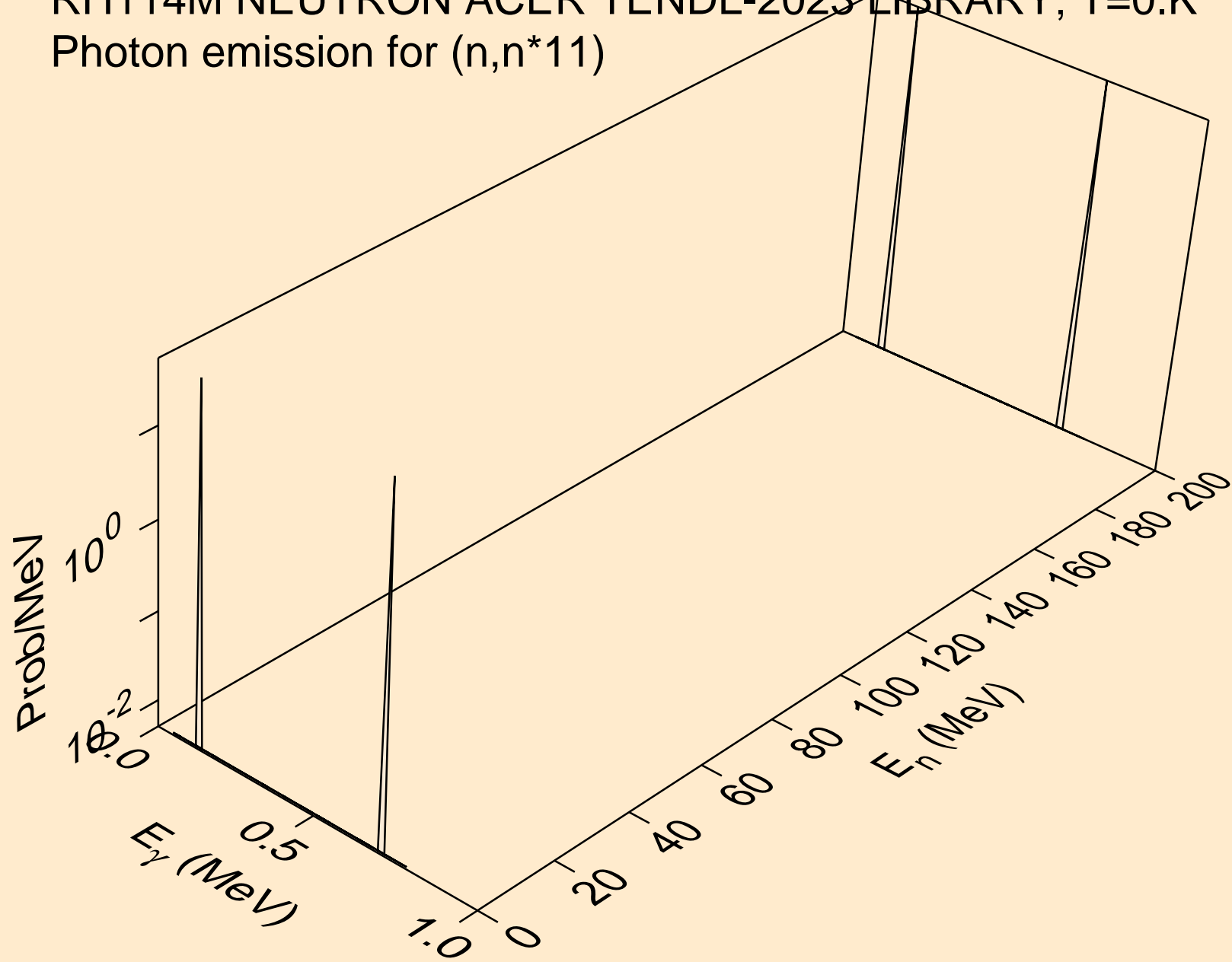
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Photon emission for (n,n\*9)



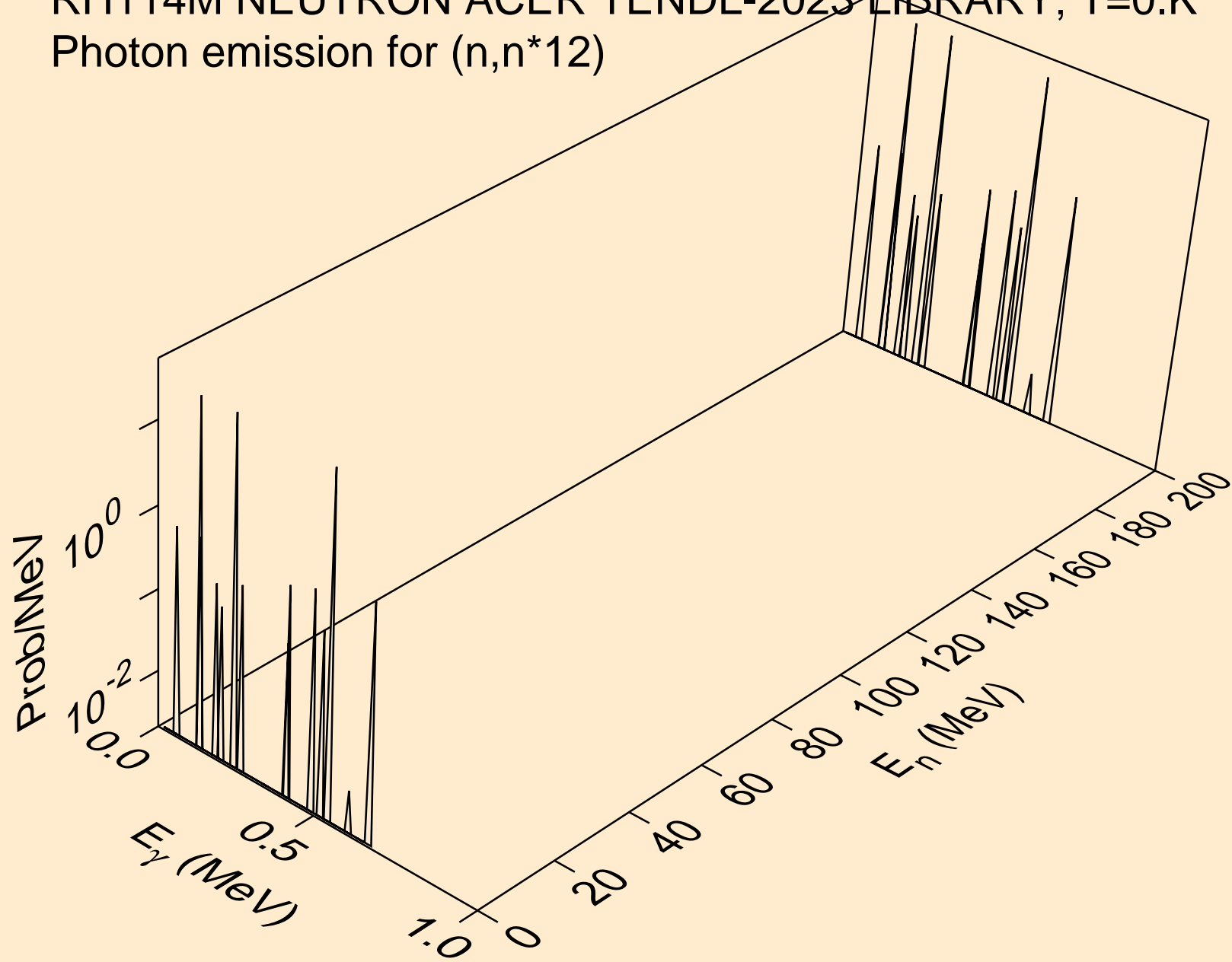
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Photon emission for (n,n\*10)



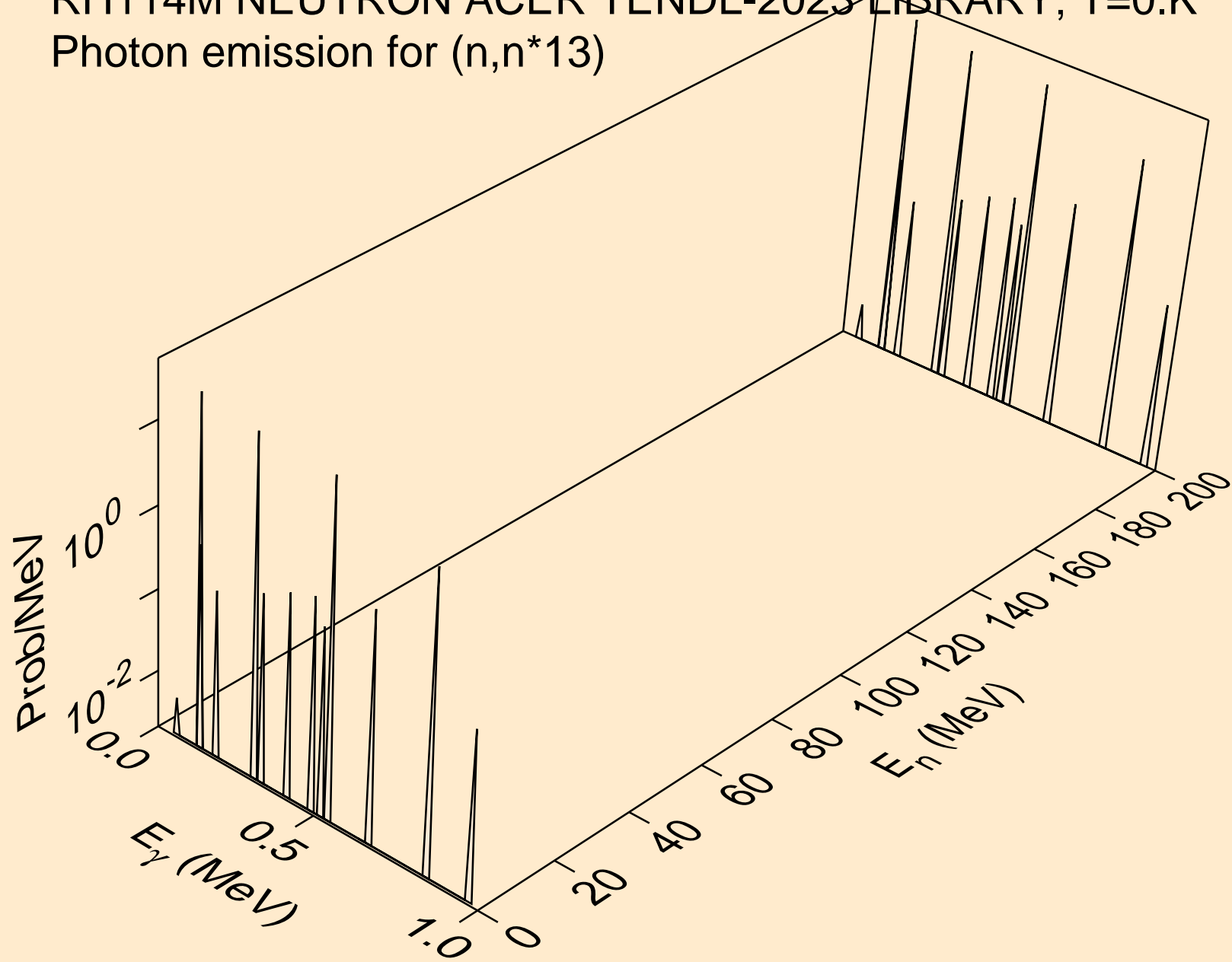
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Photon emission for (n,n\*11)



RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*12)

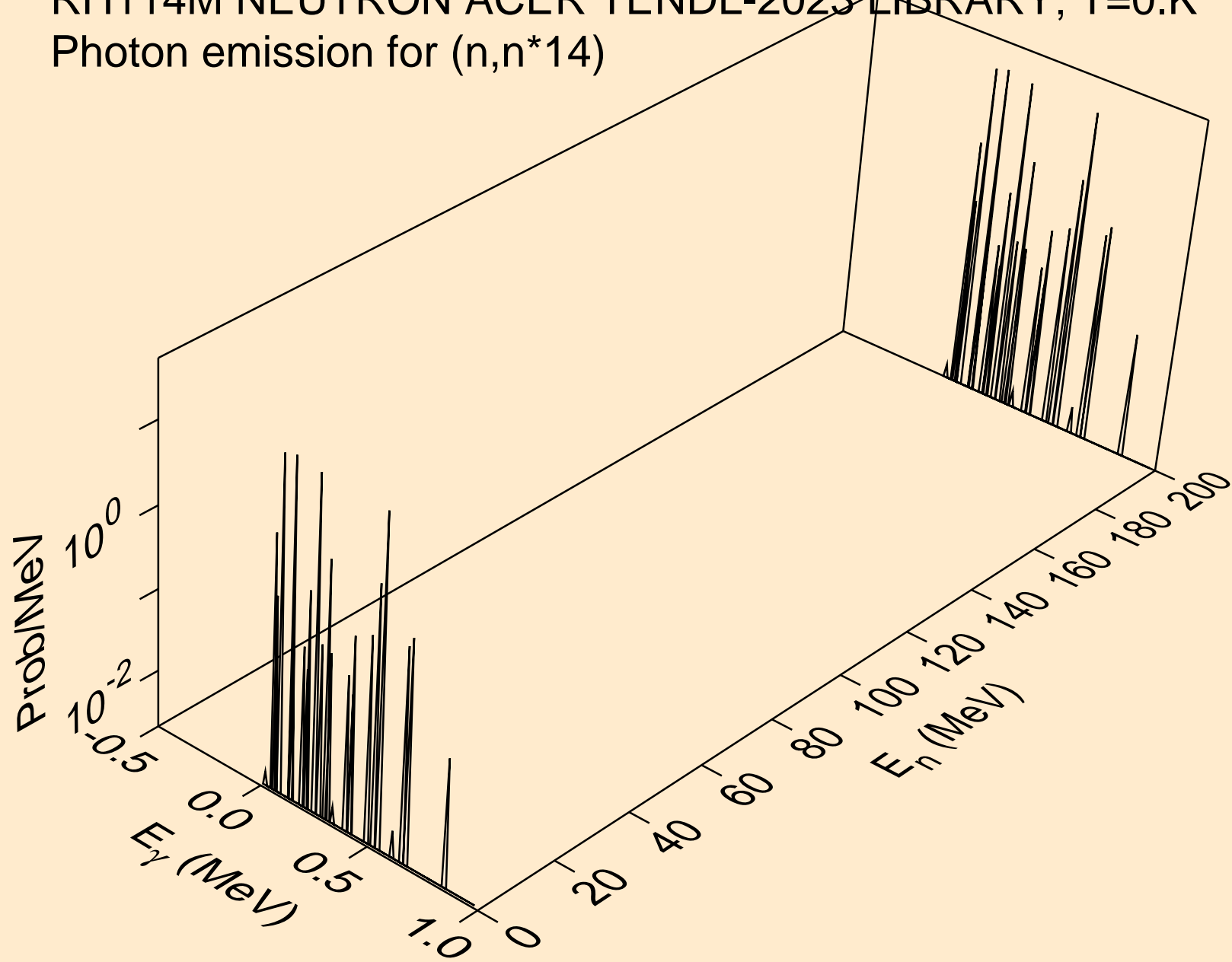


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Photon emission for (n,n\*13)

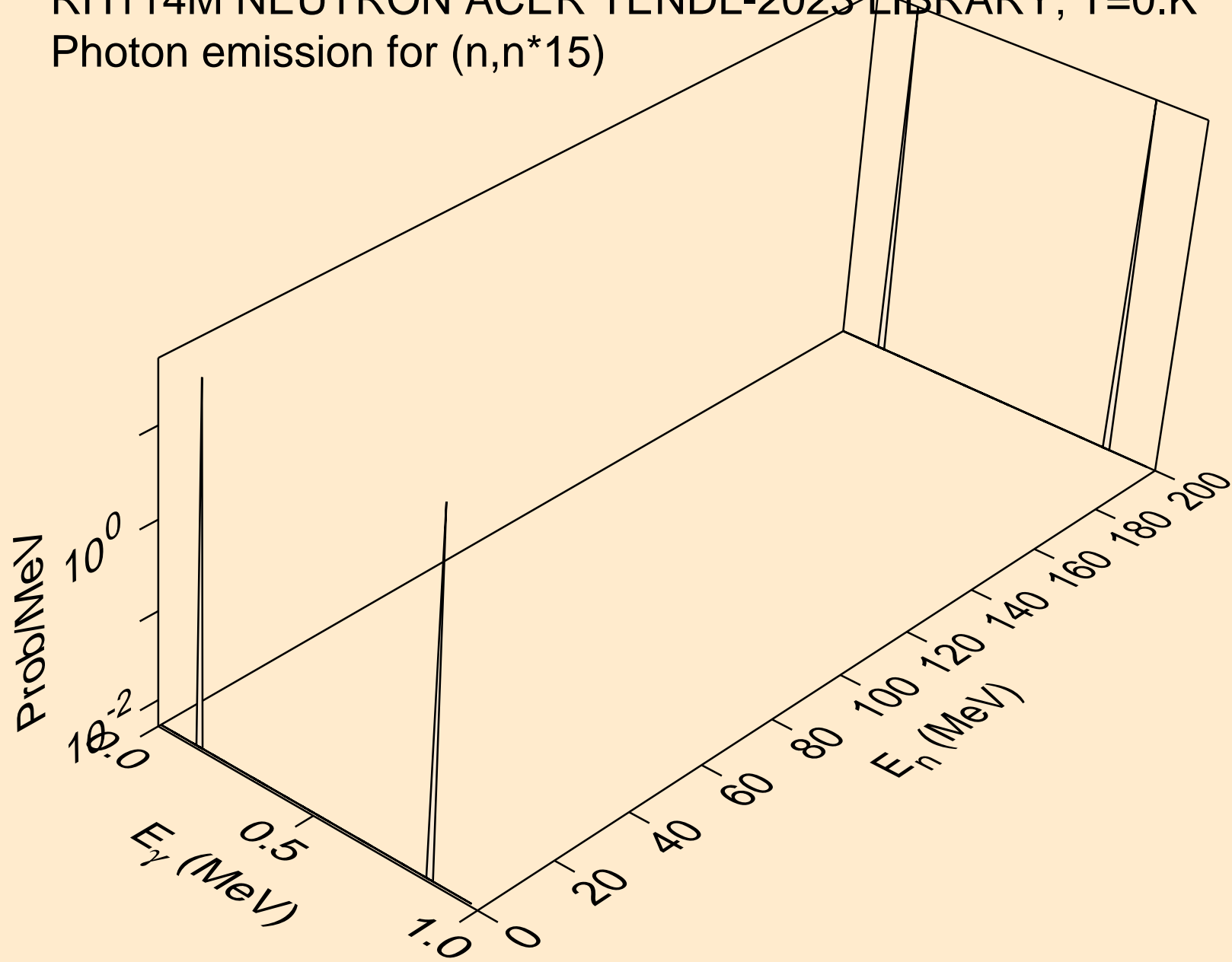




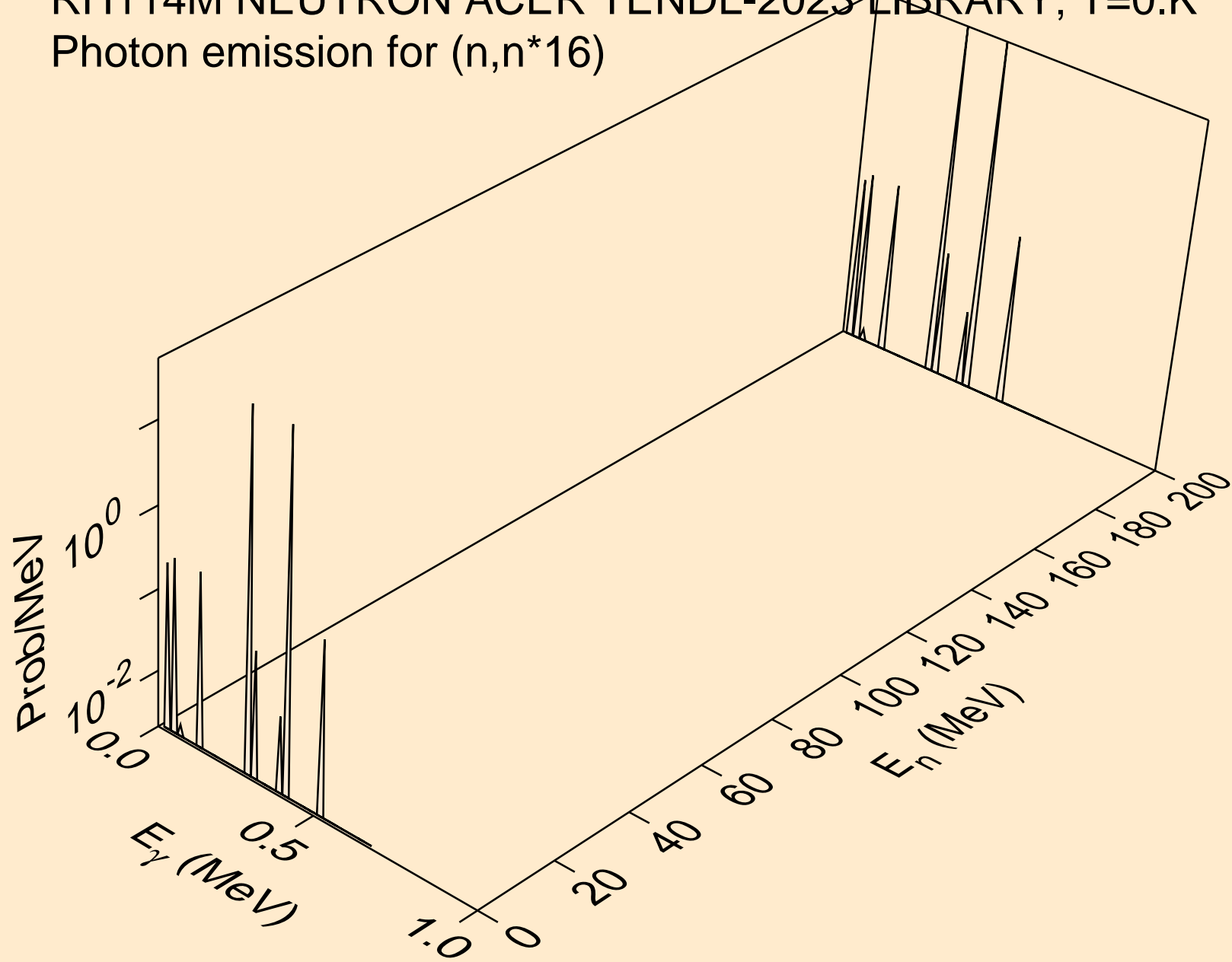
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Photon emission for (n,n\*14)



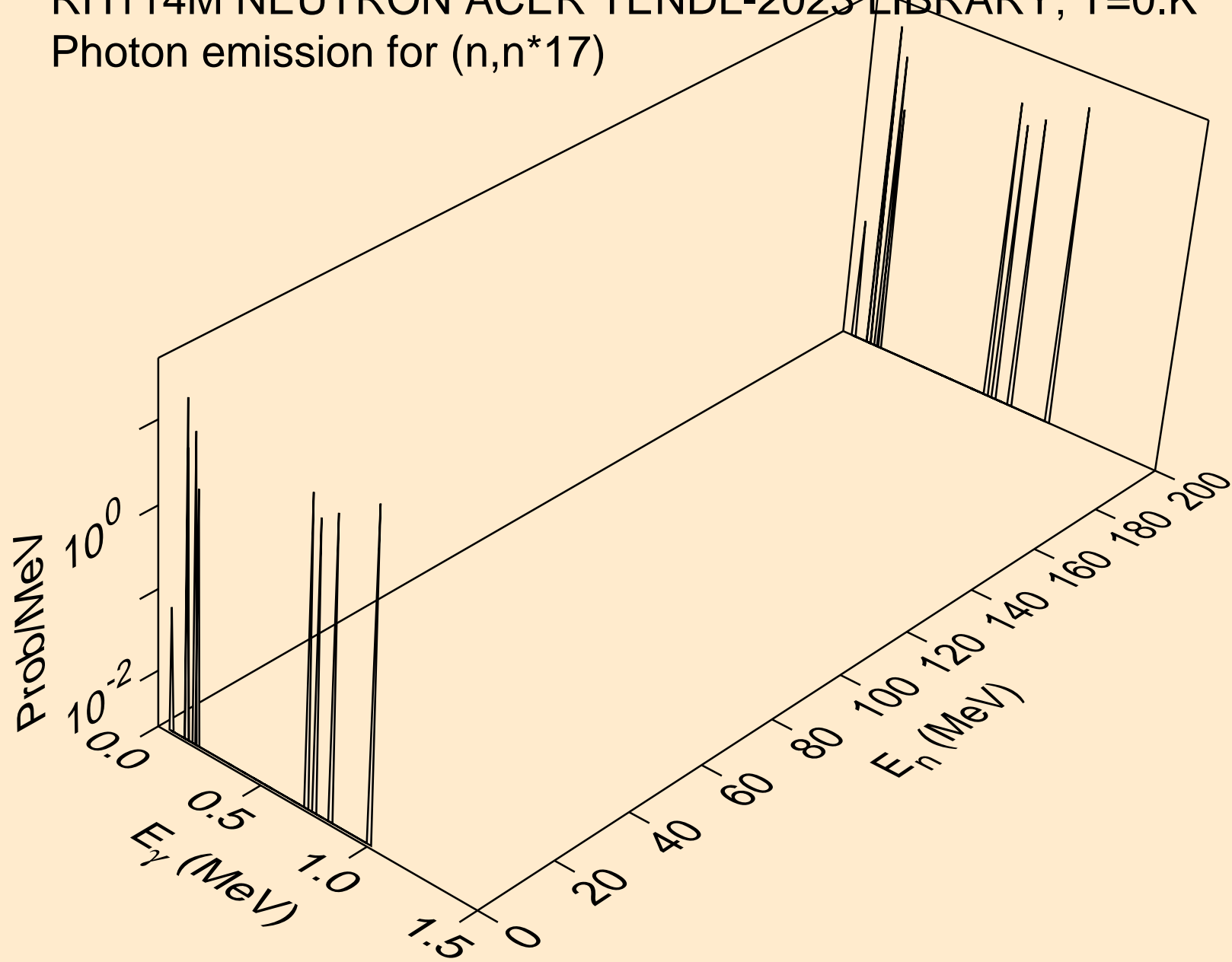
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Photon emission for (n,n\*15)



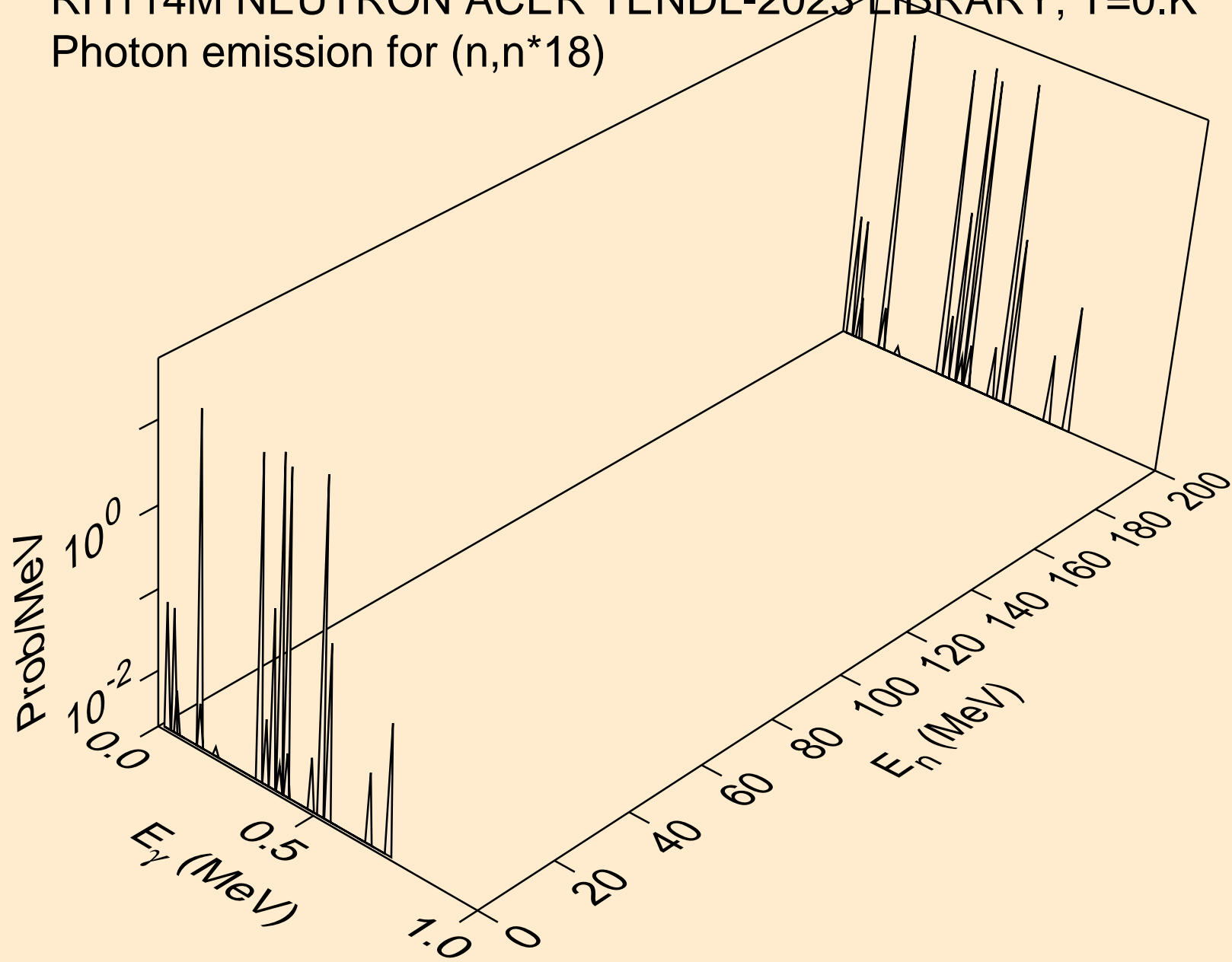
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Photon emission for (n,n\*16)



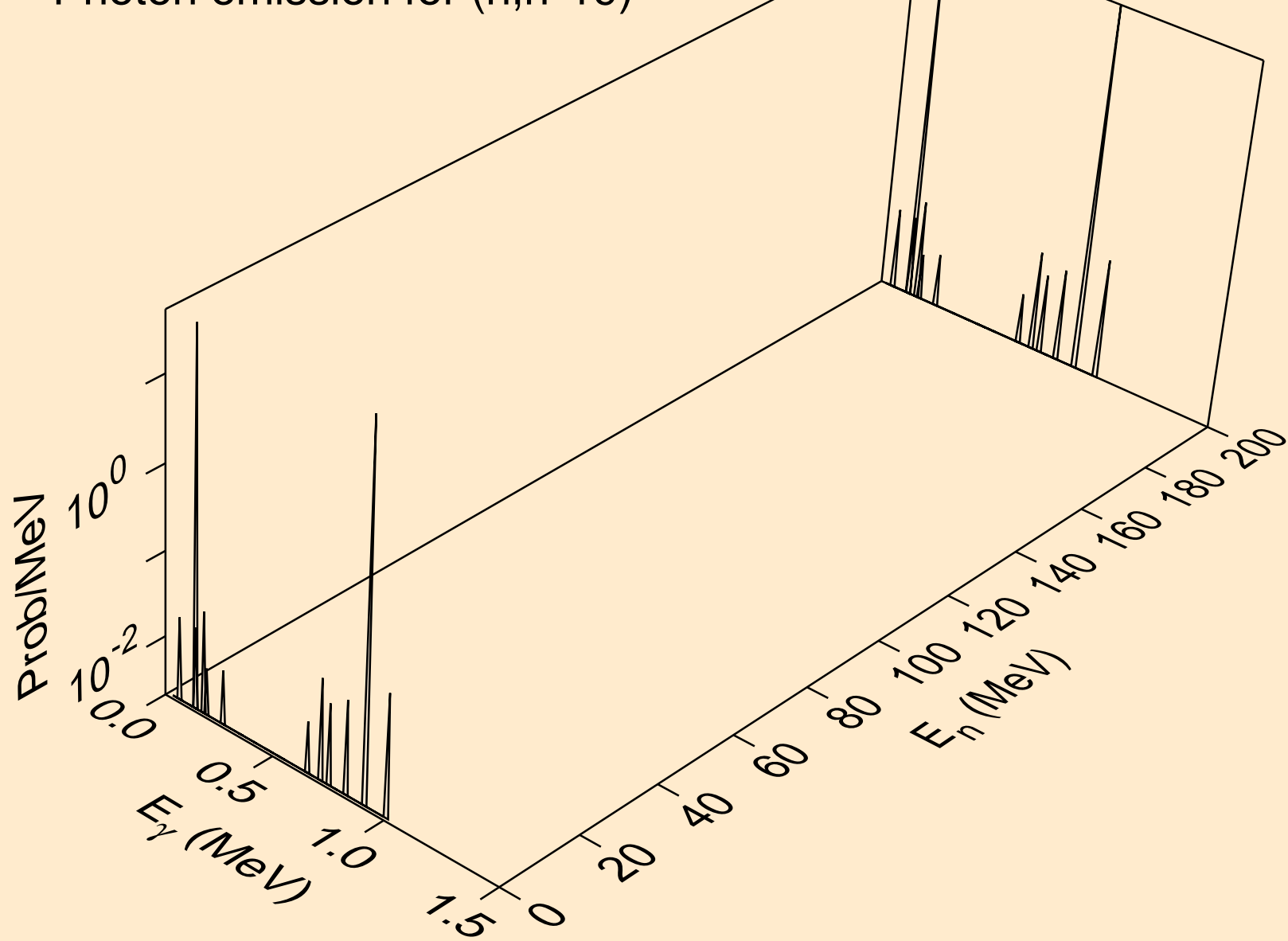
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Photon emission for (n,n\*17)



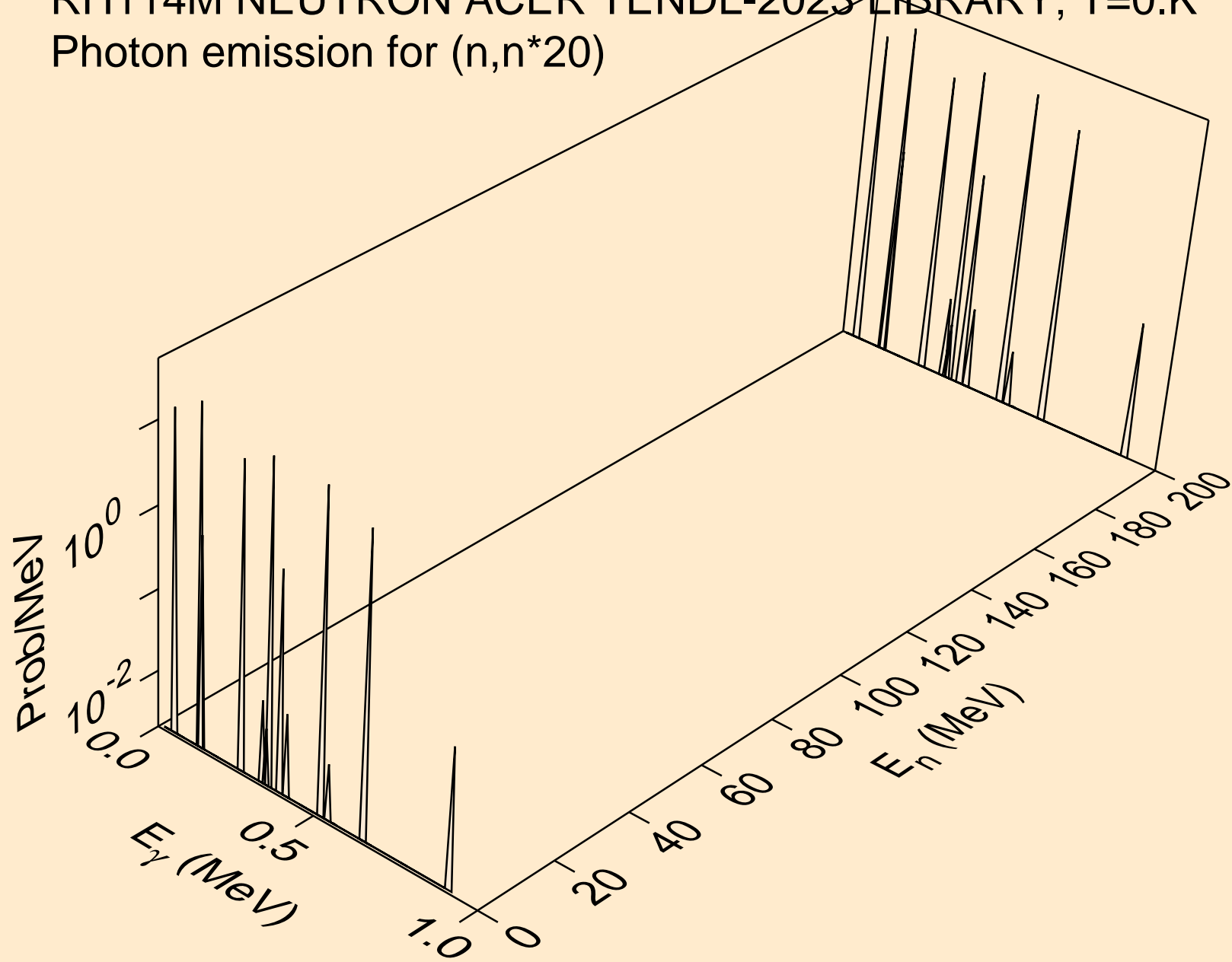
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Photon emission for (n,n\*18)



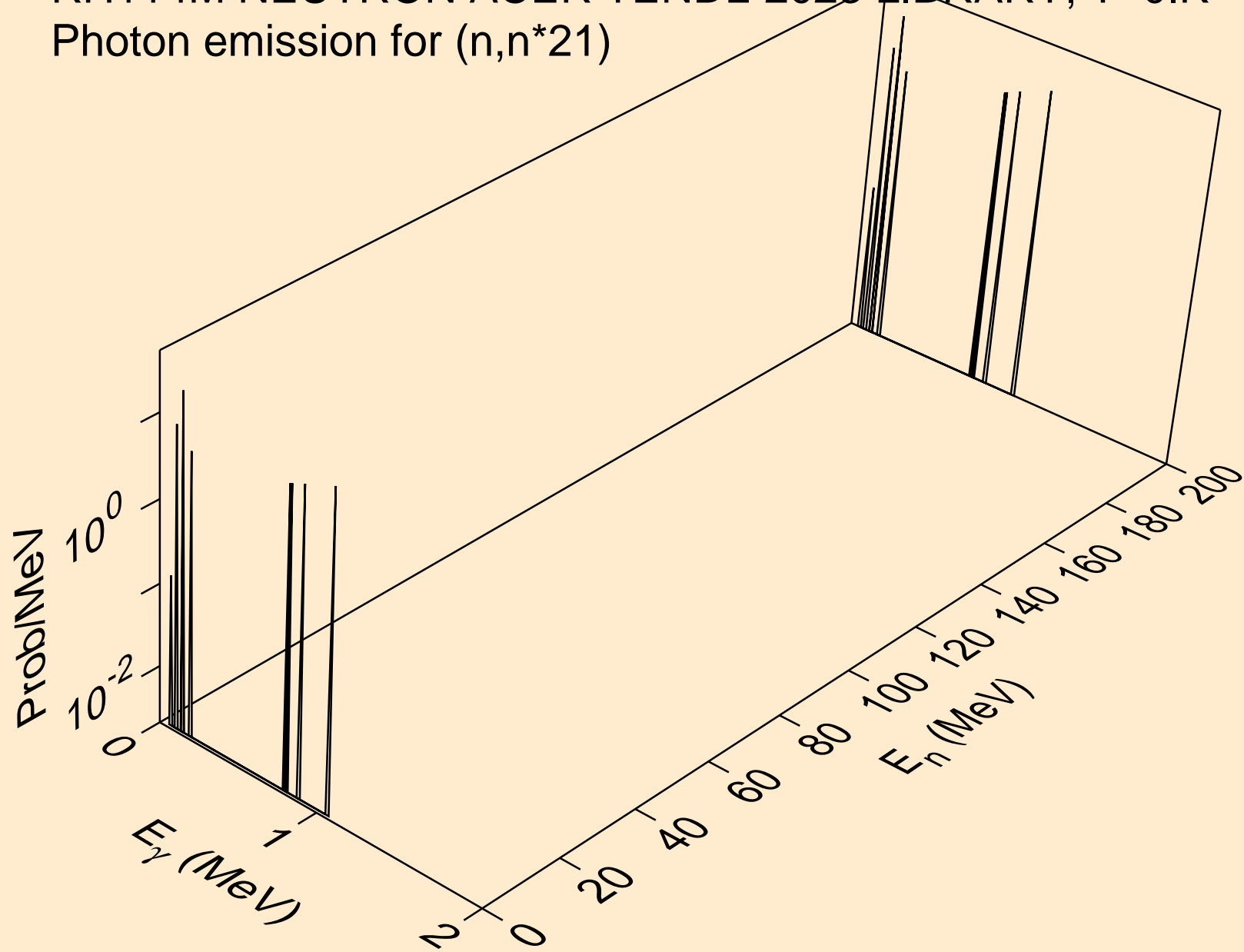
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Photon emission for (n,n\*19)



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Photon emission for (n,n\*20)

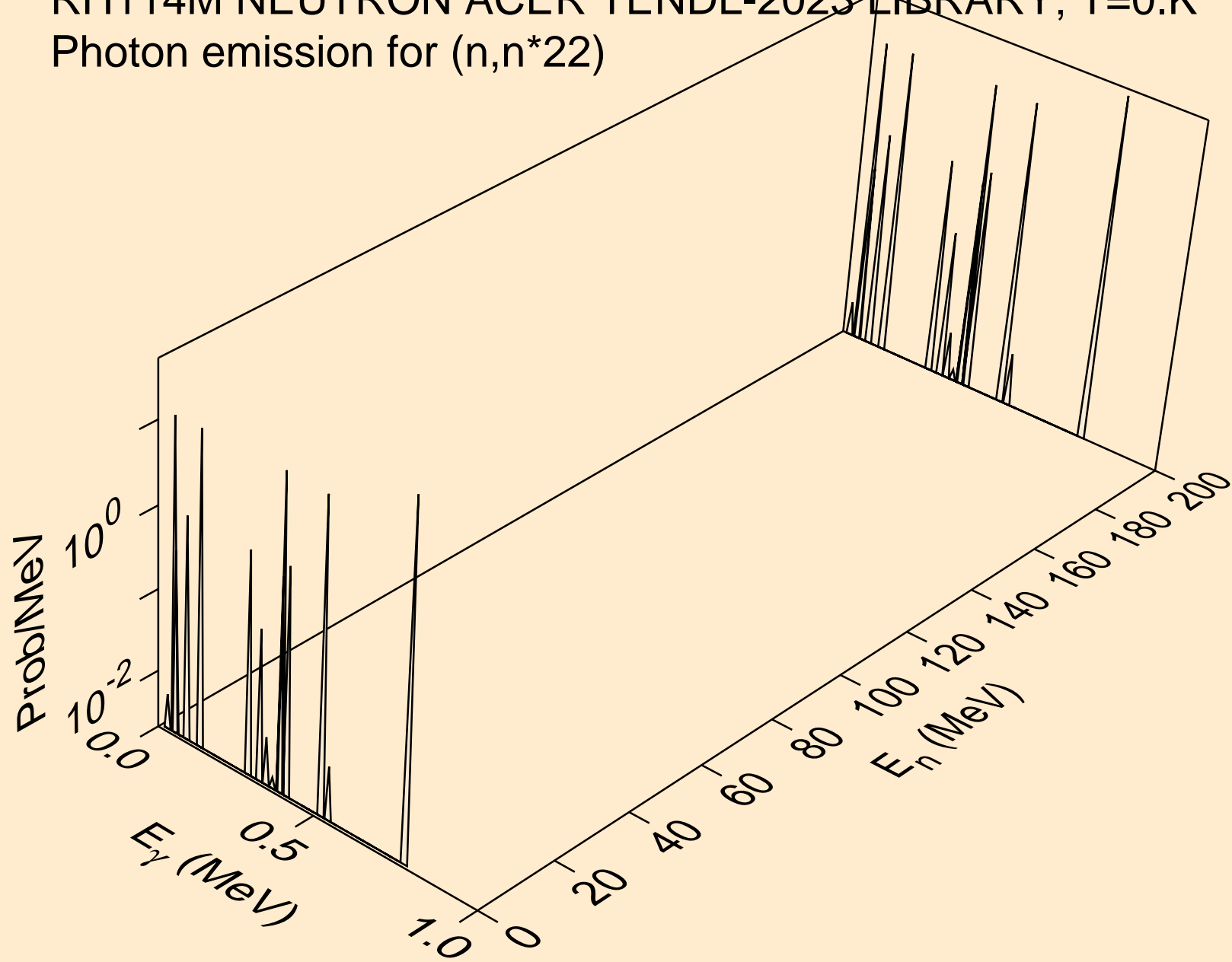


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Photon emission for (n,n\*21)

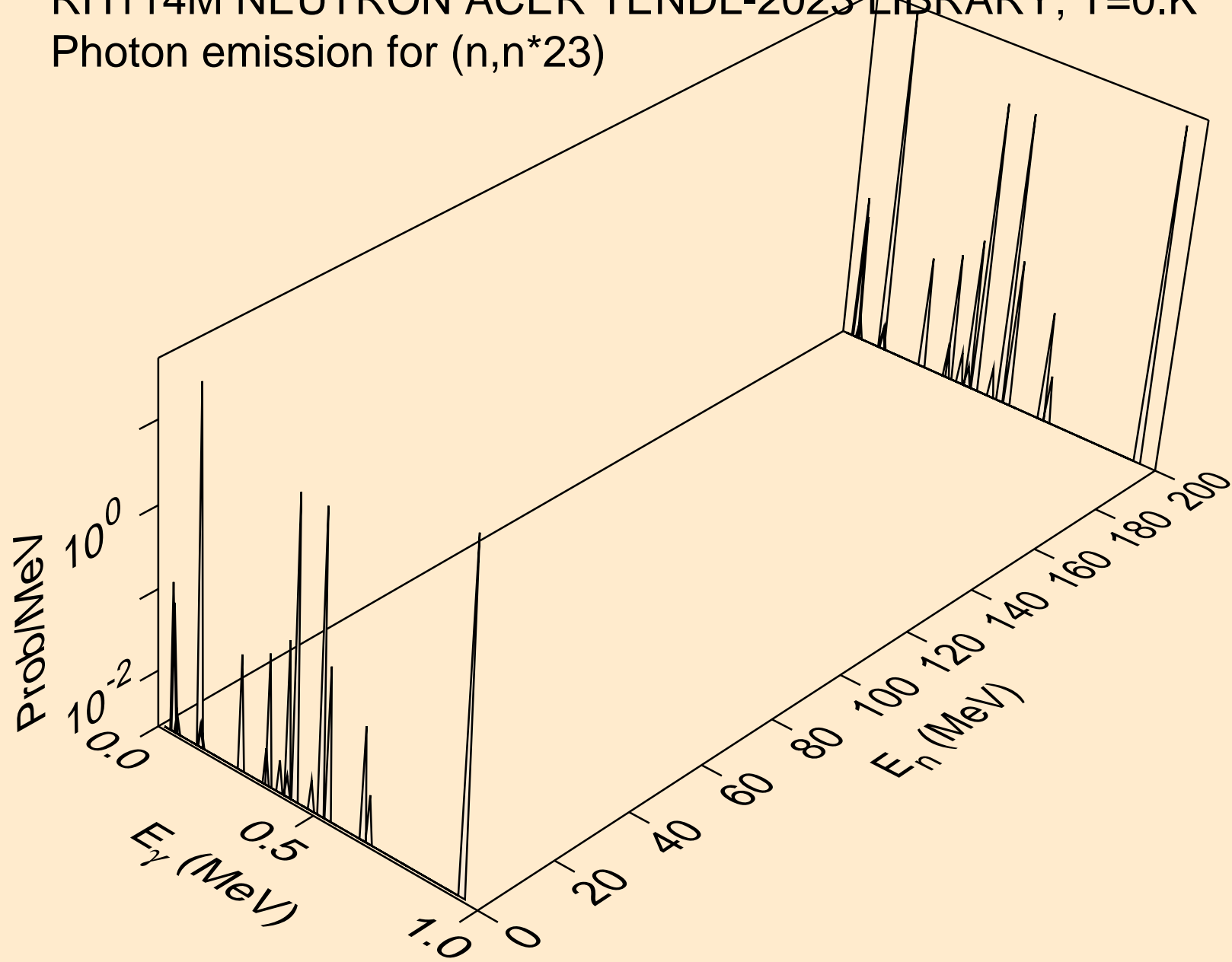




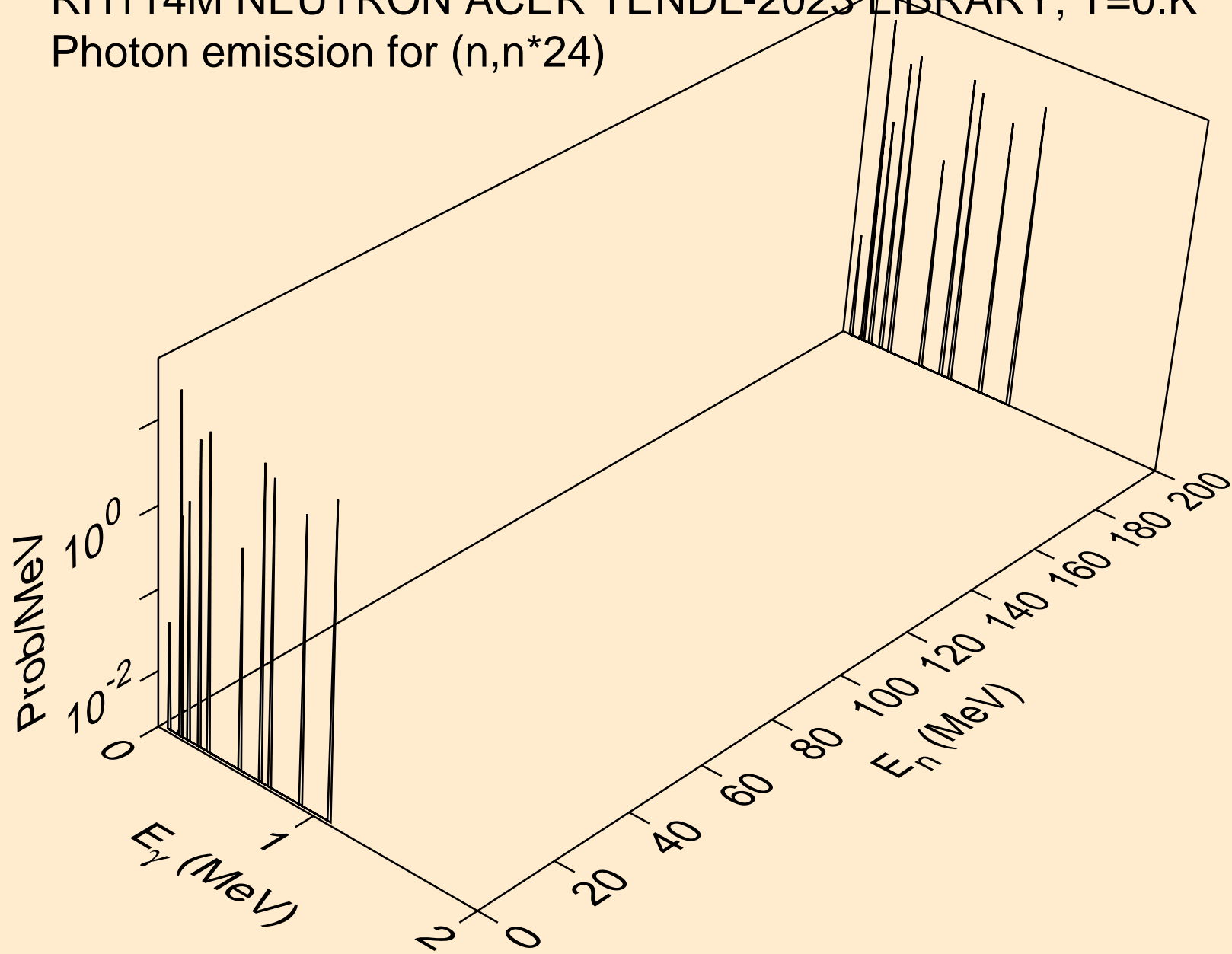
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Photon emission for (n,n\*22)



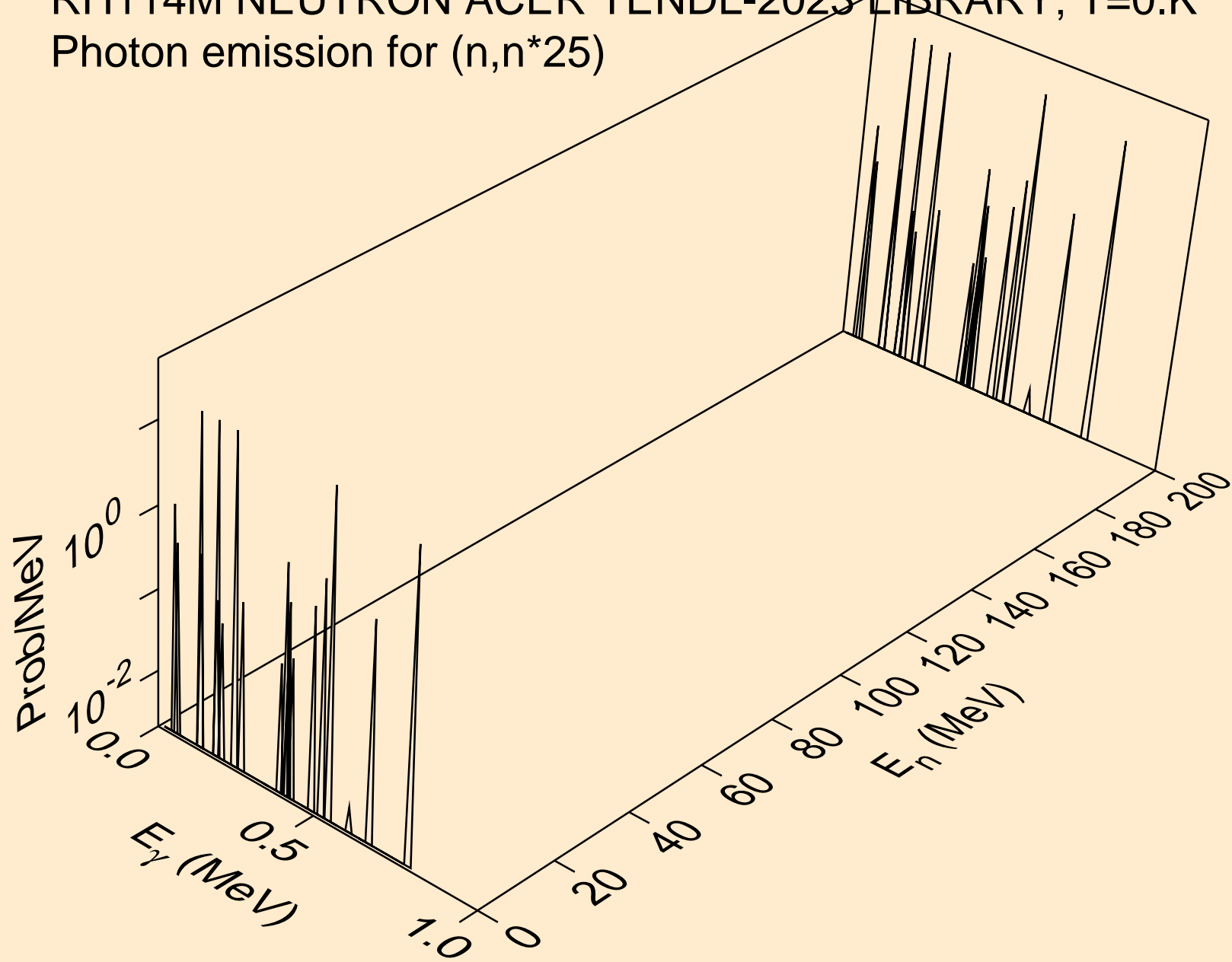
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Photon emission for (n,n\*23)



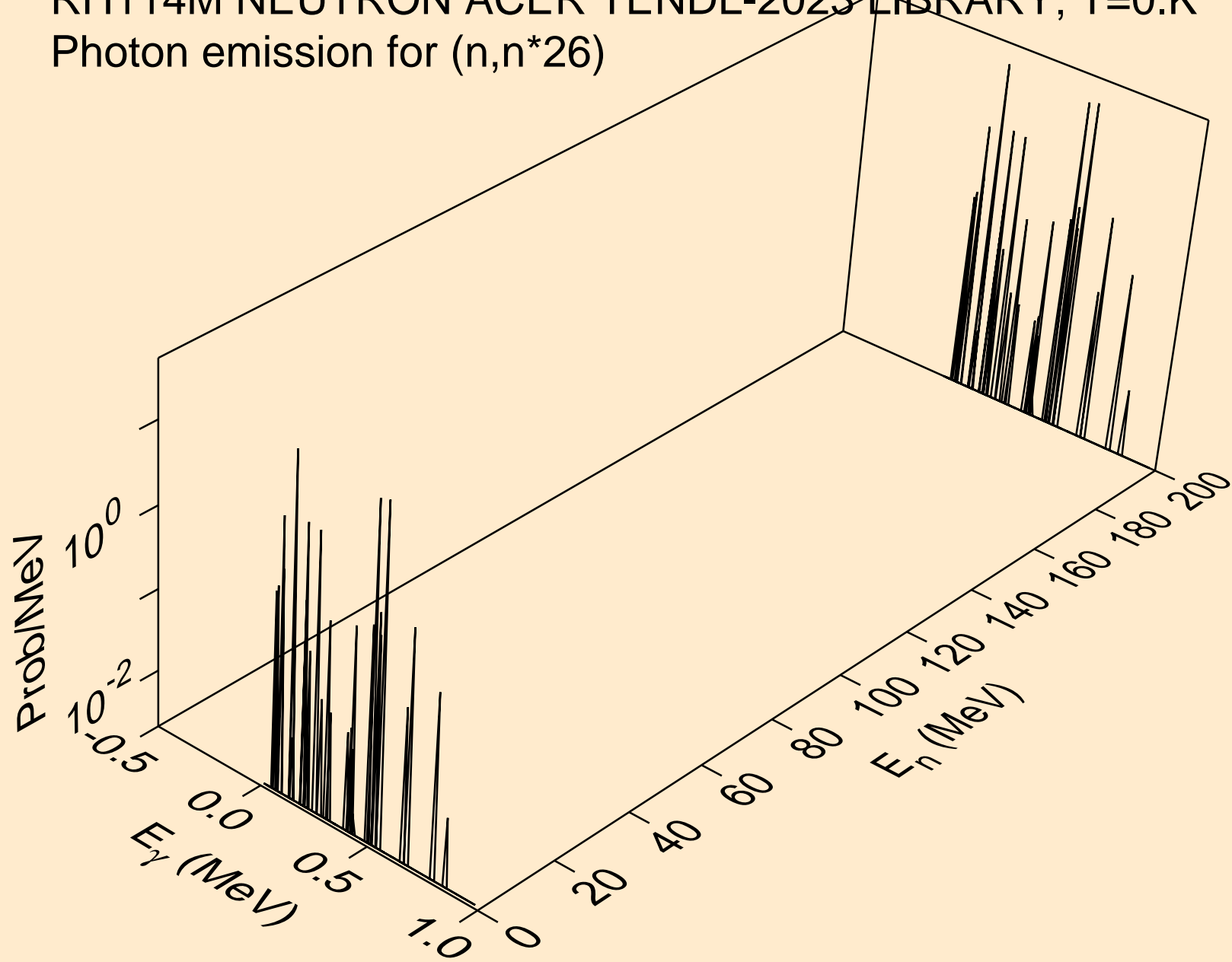
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Photon emission for (n,n\*24)



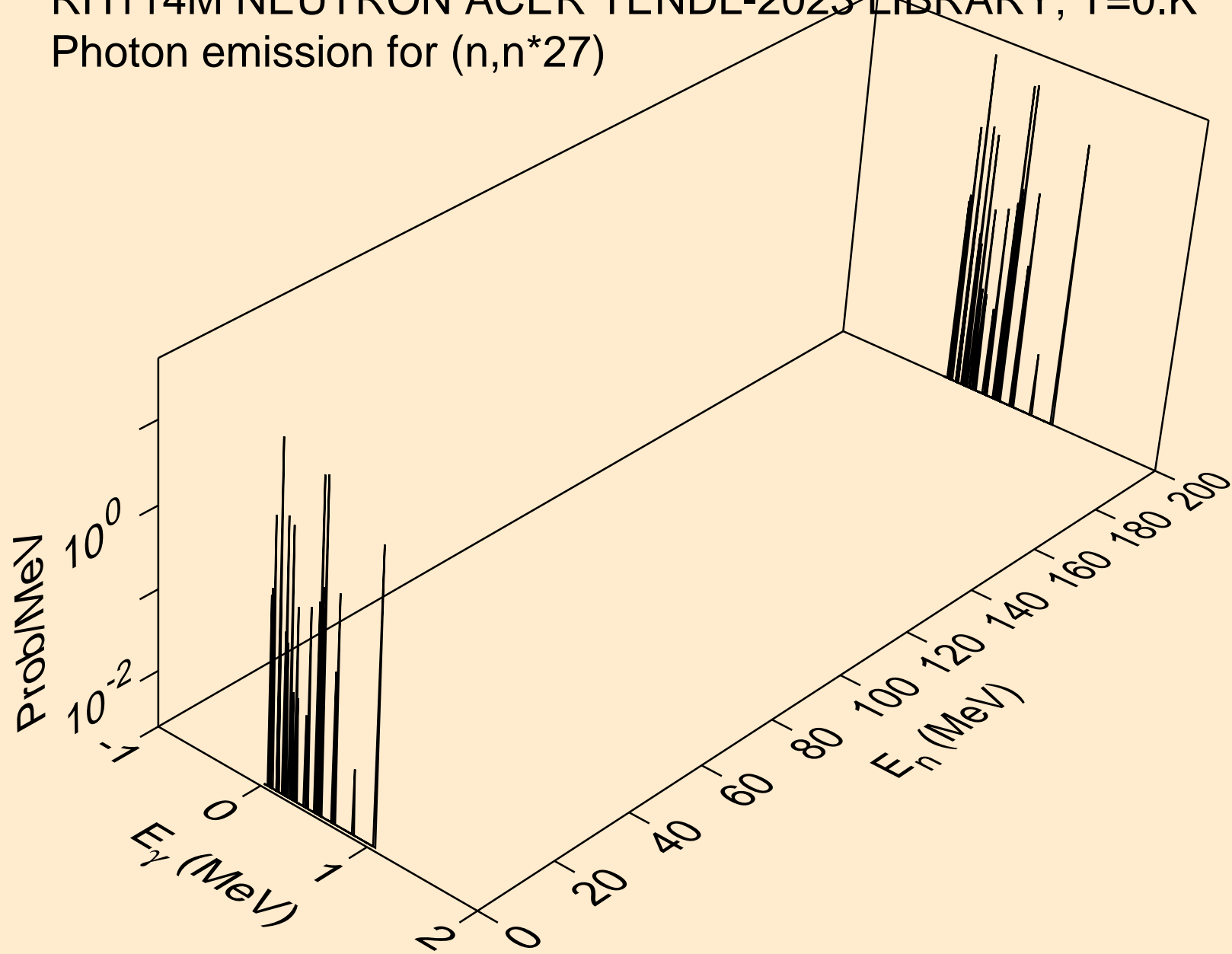
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Photon emission for (n,n\*25)



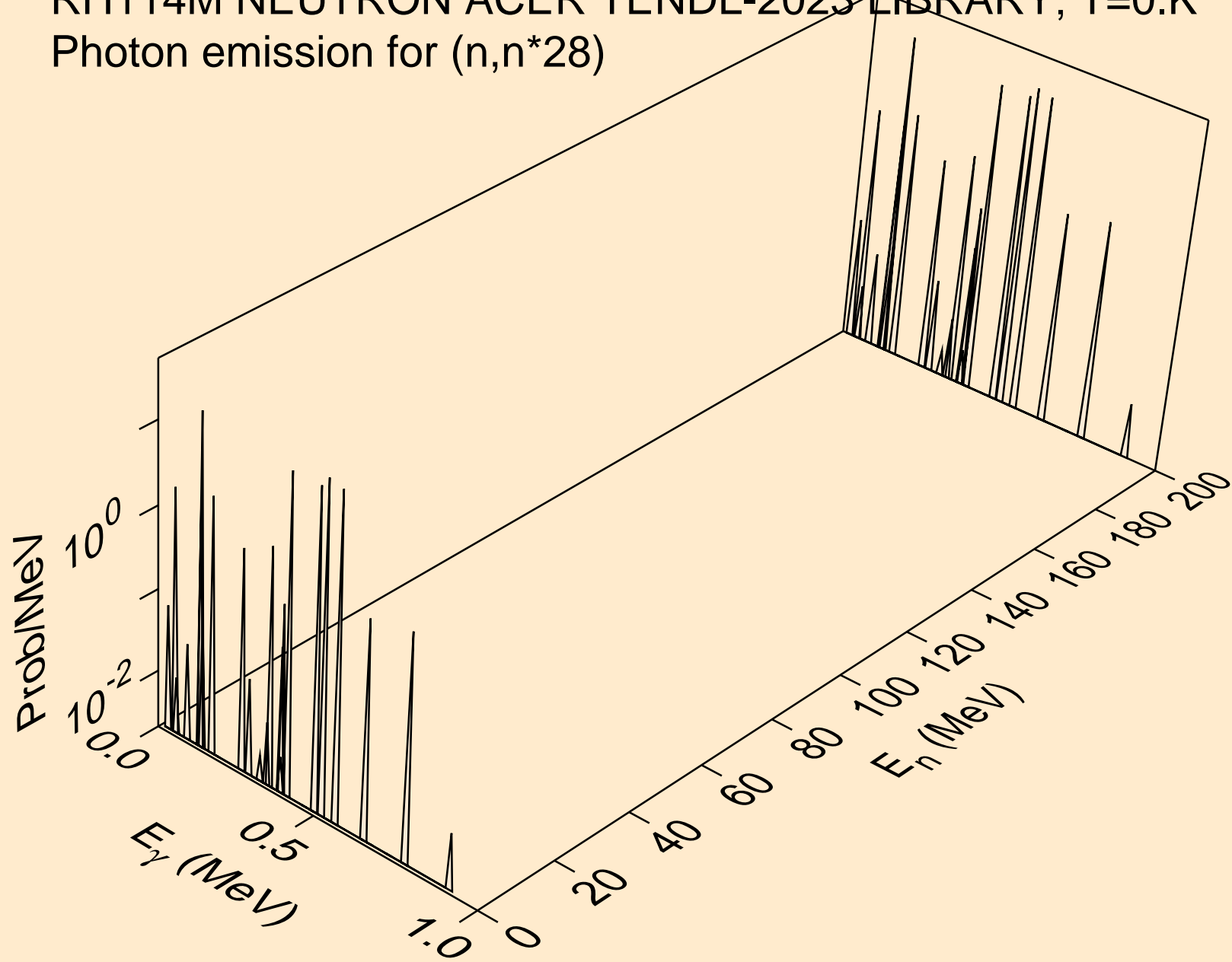
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Photon emission for (n,n\*26)



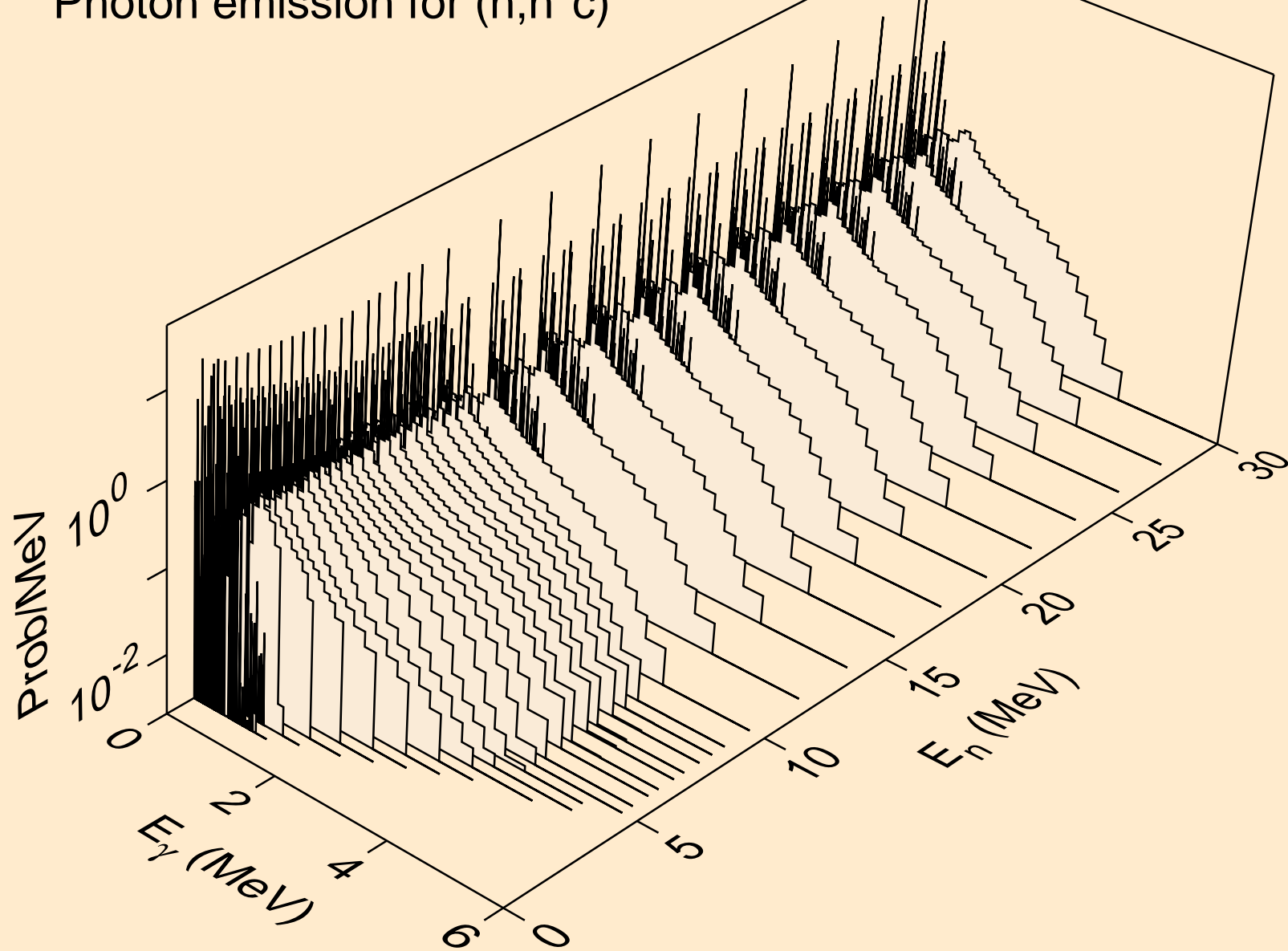
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Photon emission for (n,n\*27)



RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*28)

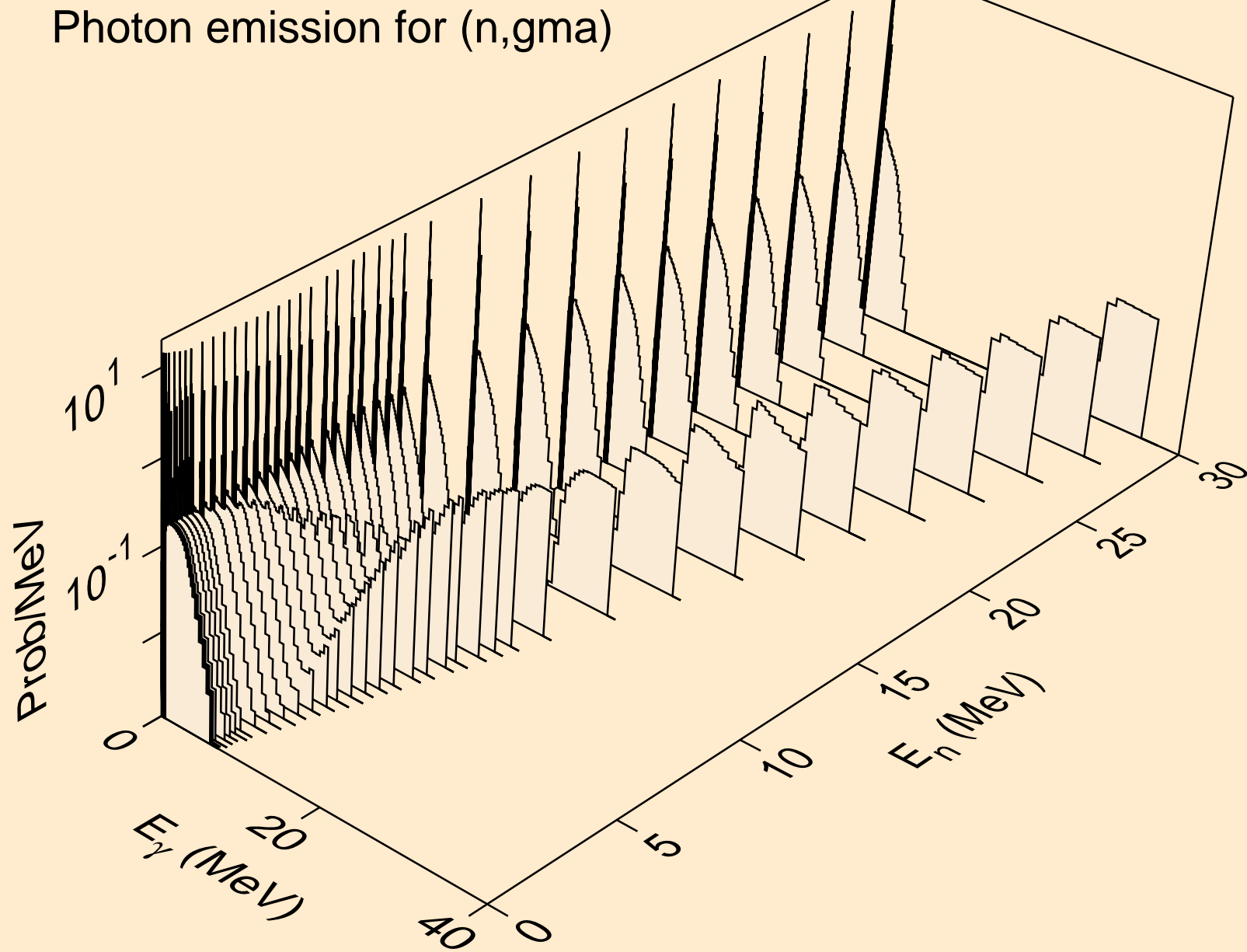


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Photon emission for (n,n\*c)

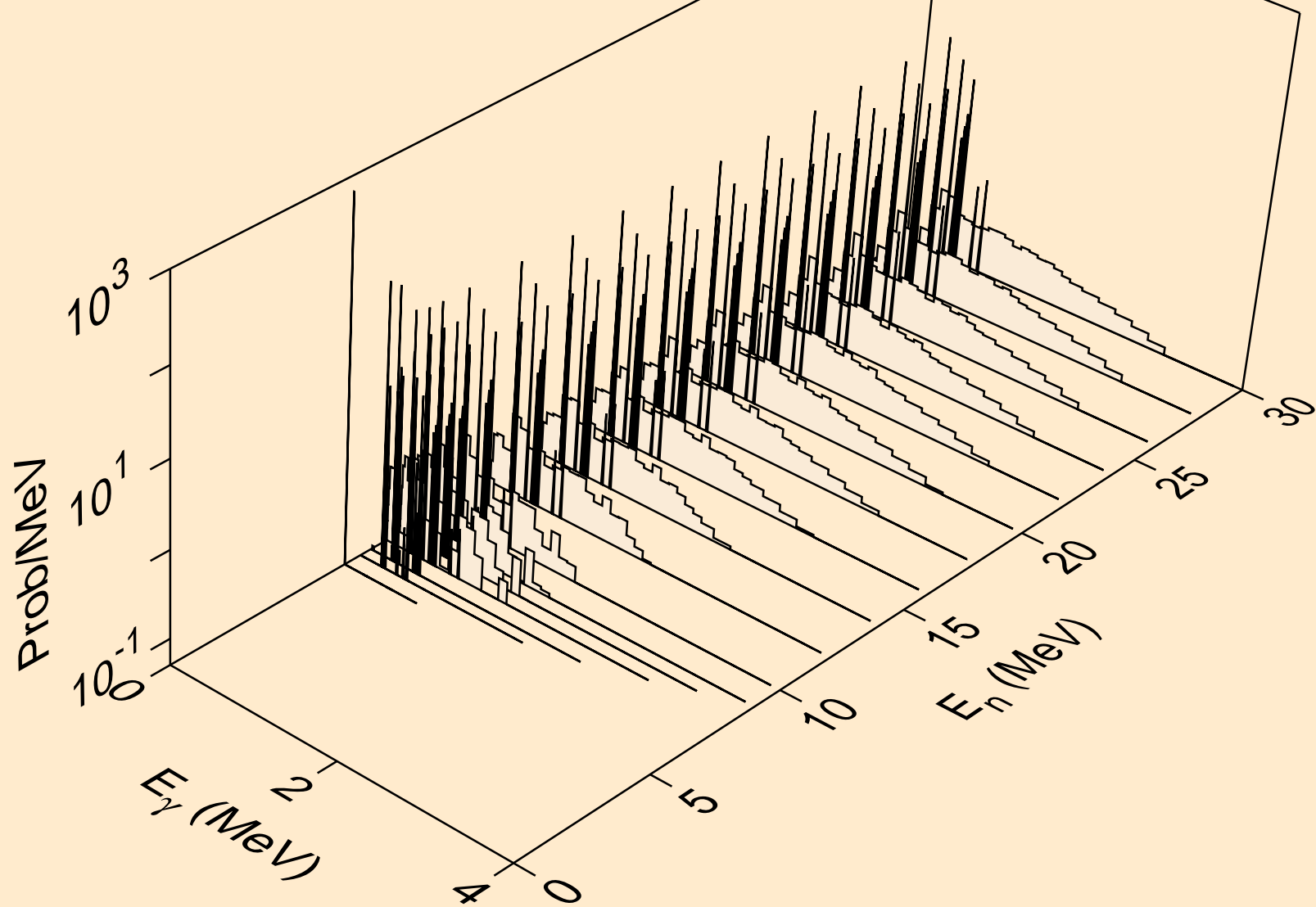




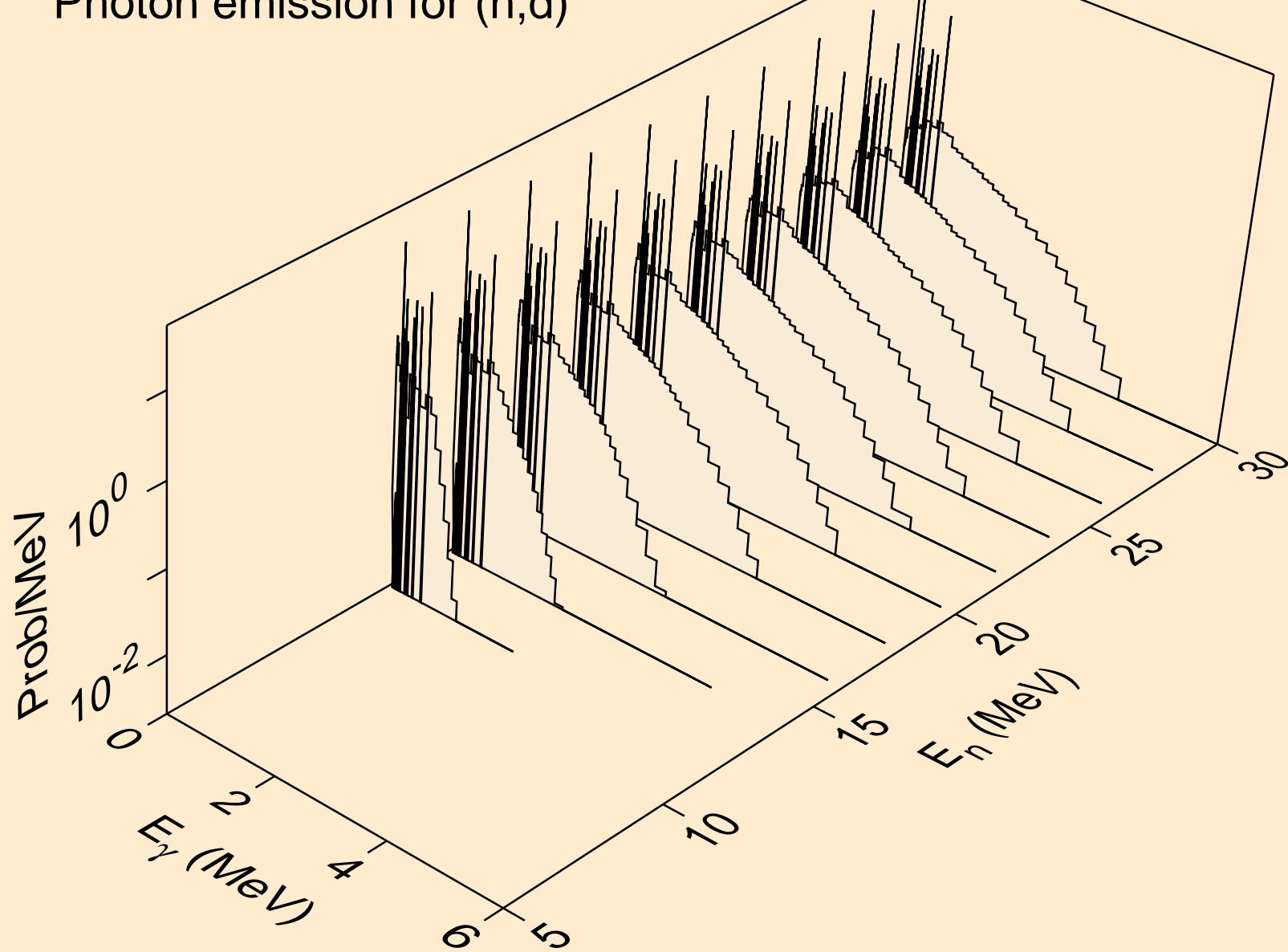
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Photon emission for (n,gma)



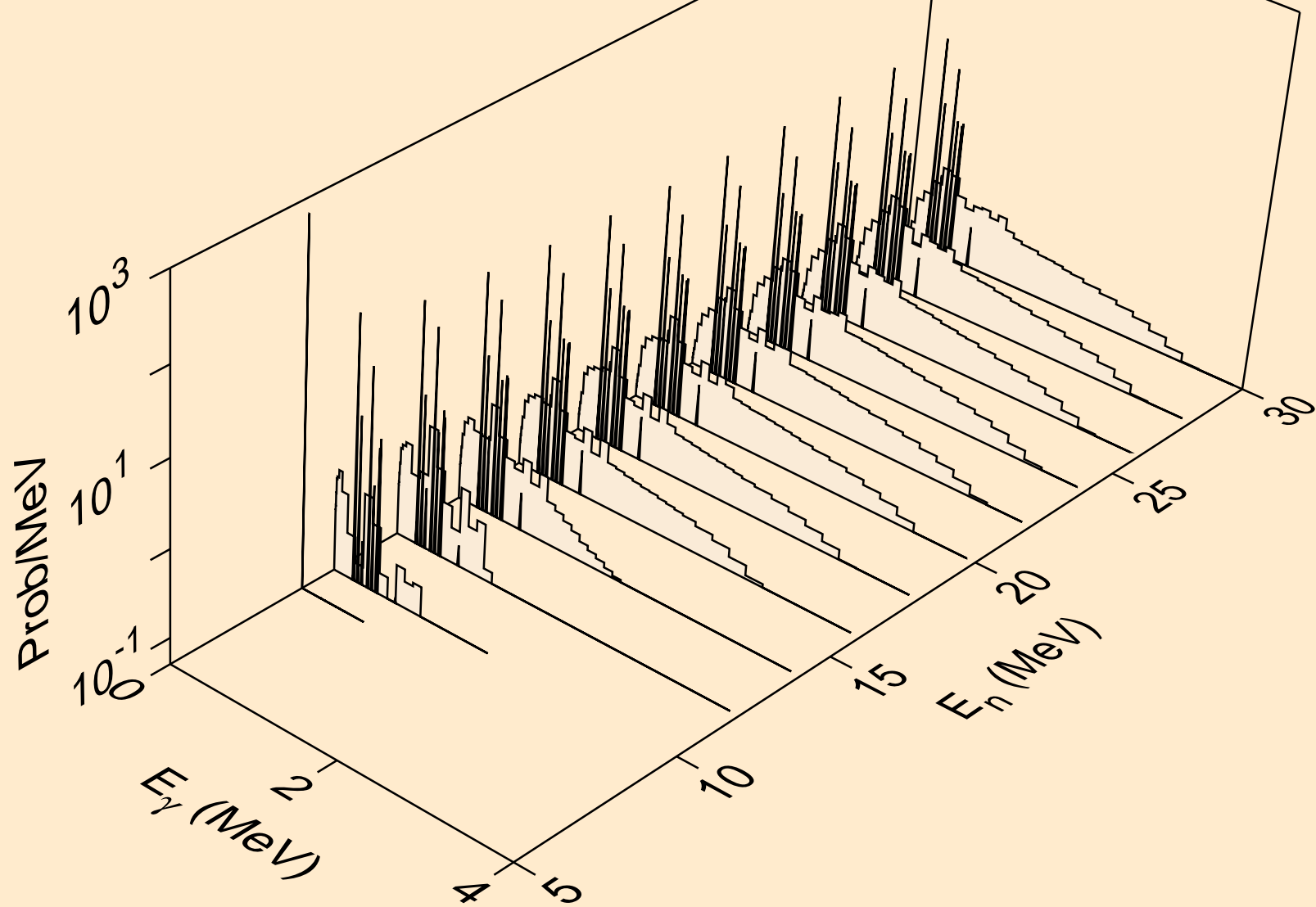
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Photon emission for (n,p)



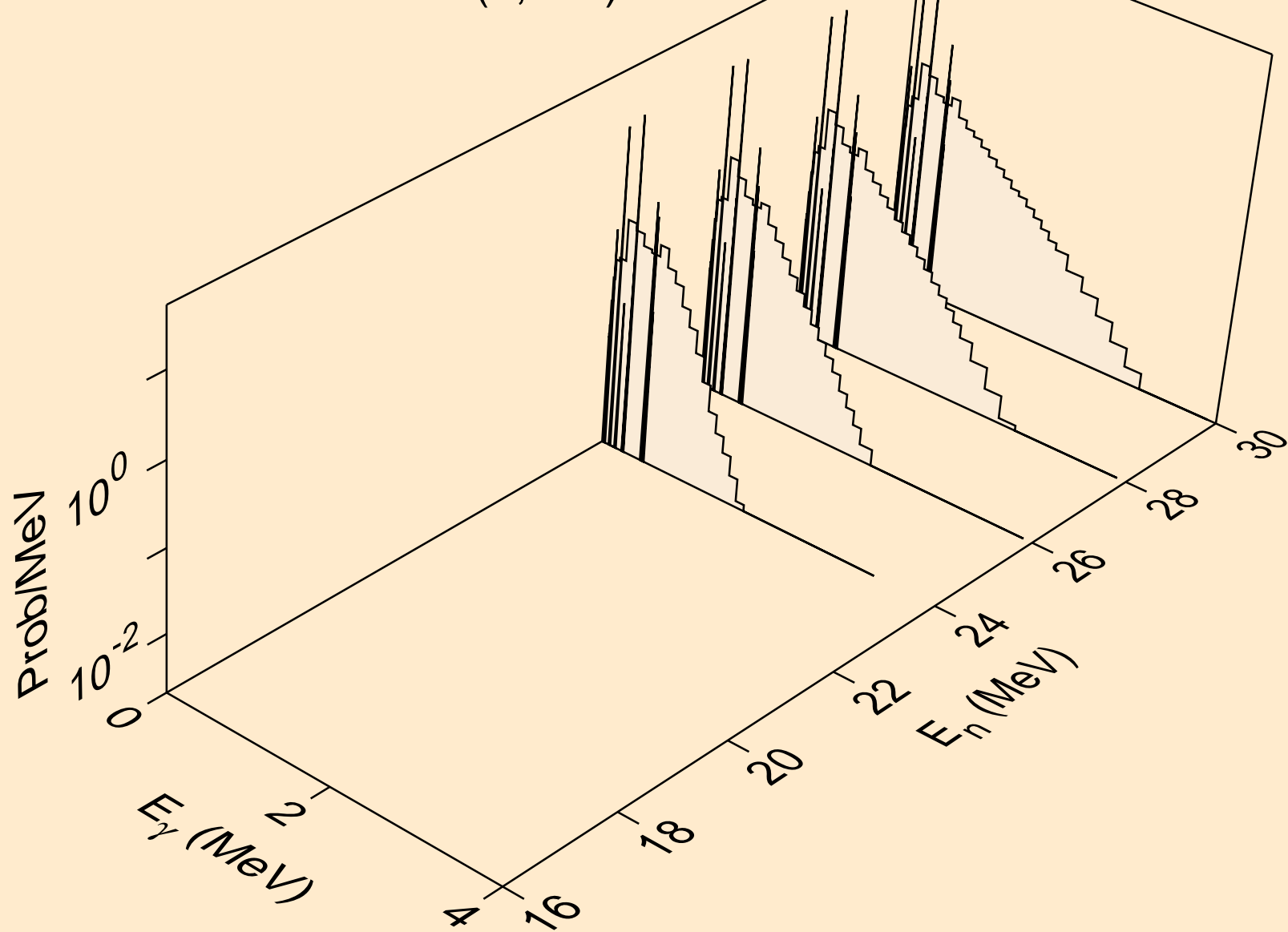
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Photon emission for (n,d)



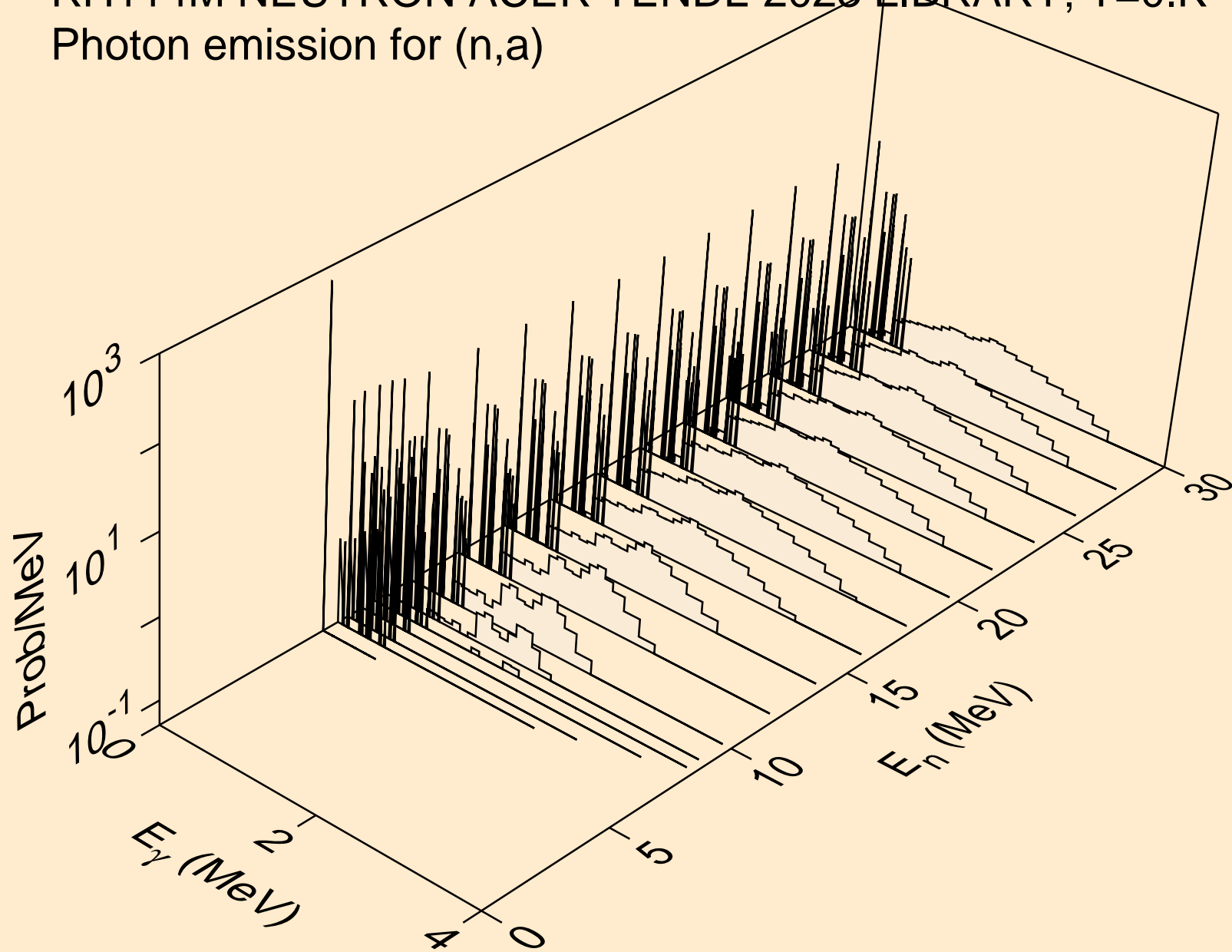
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Photon emission for (n,t)



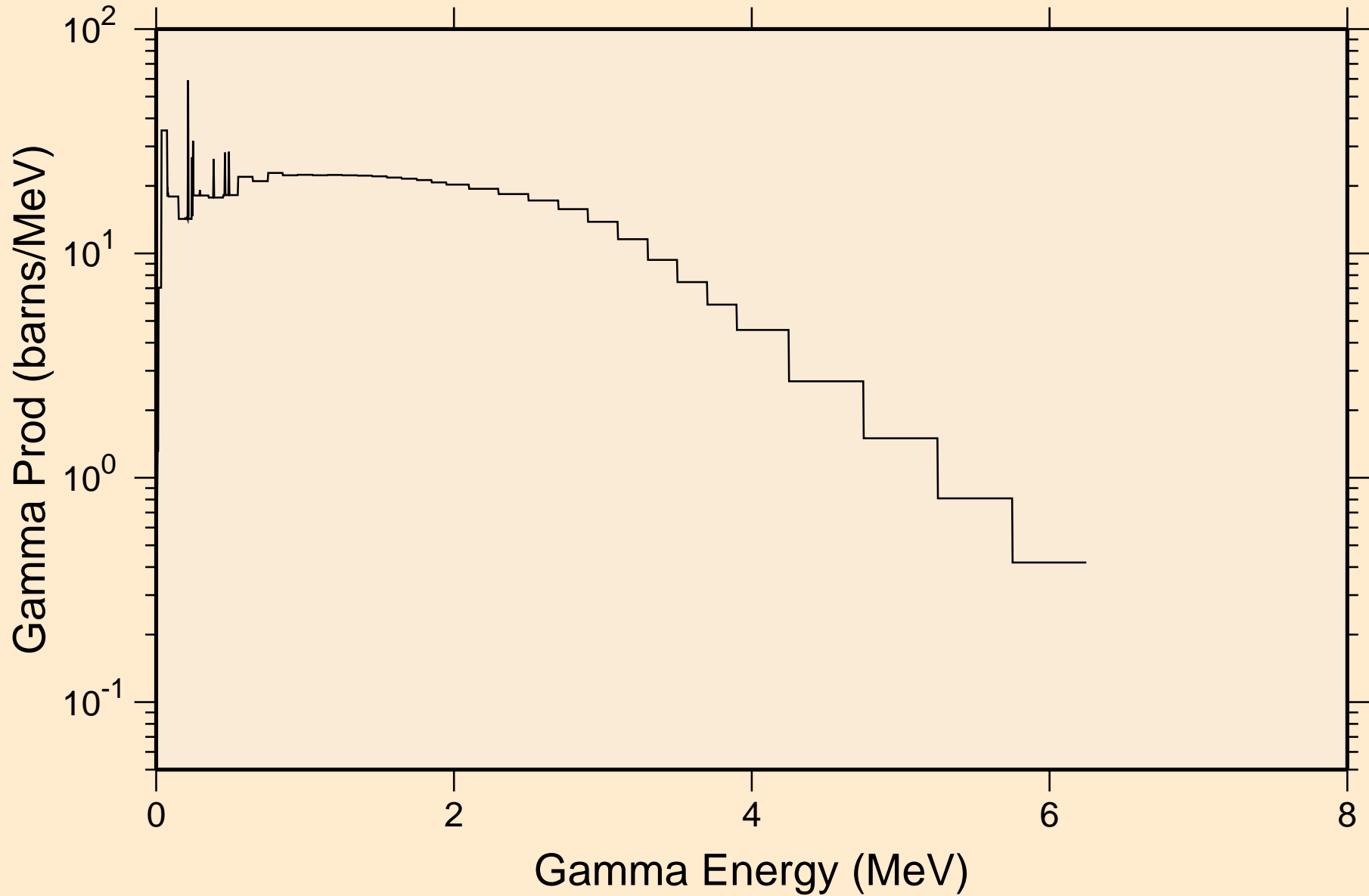
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Photon emission for (n,he3)



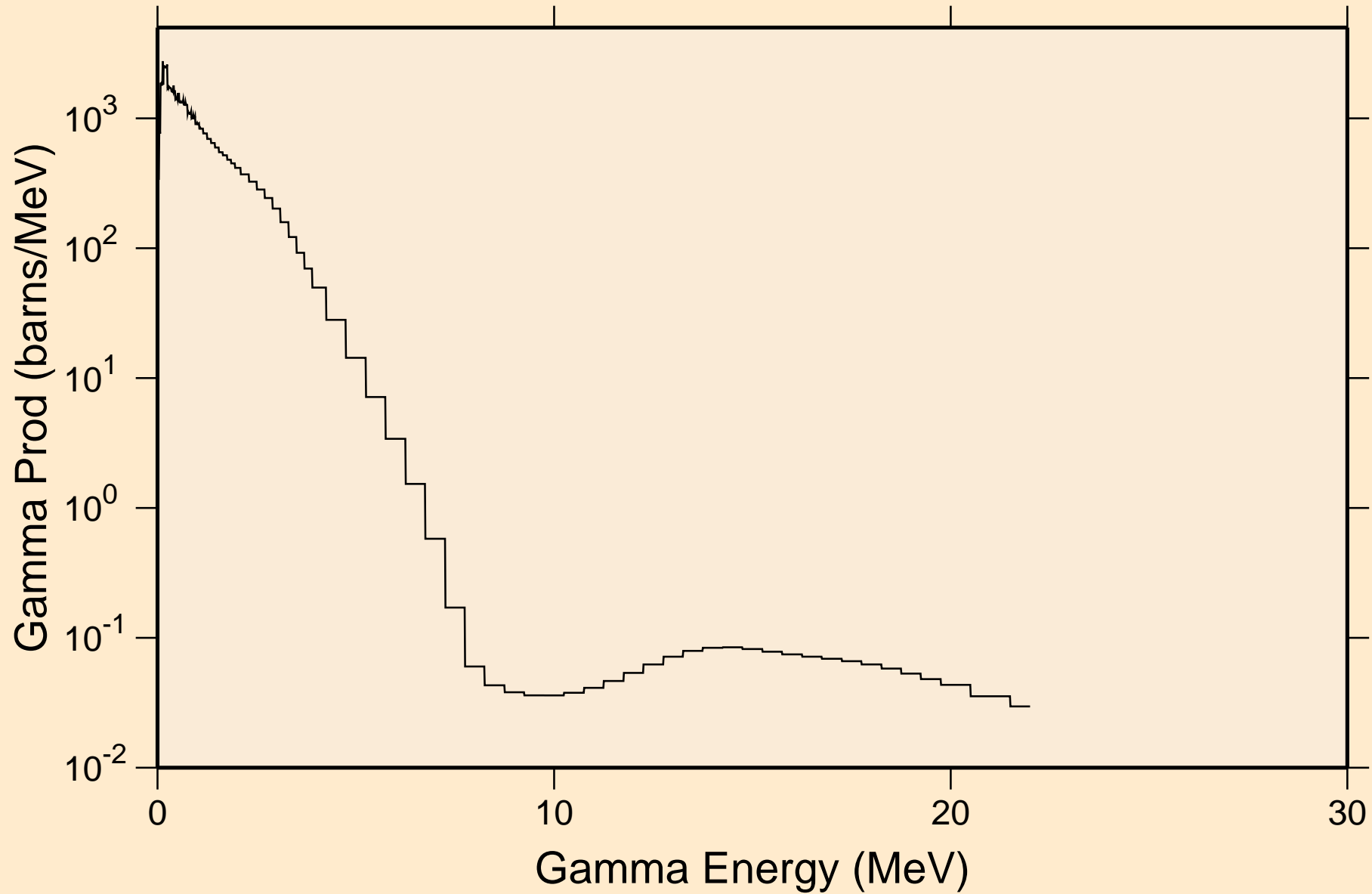
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Photon emission for (n,a)



RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum



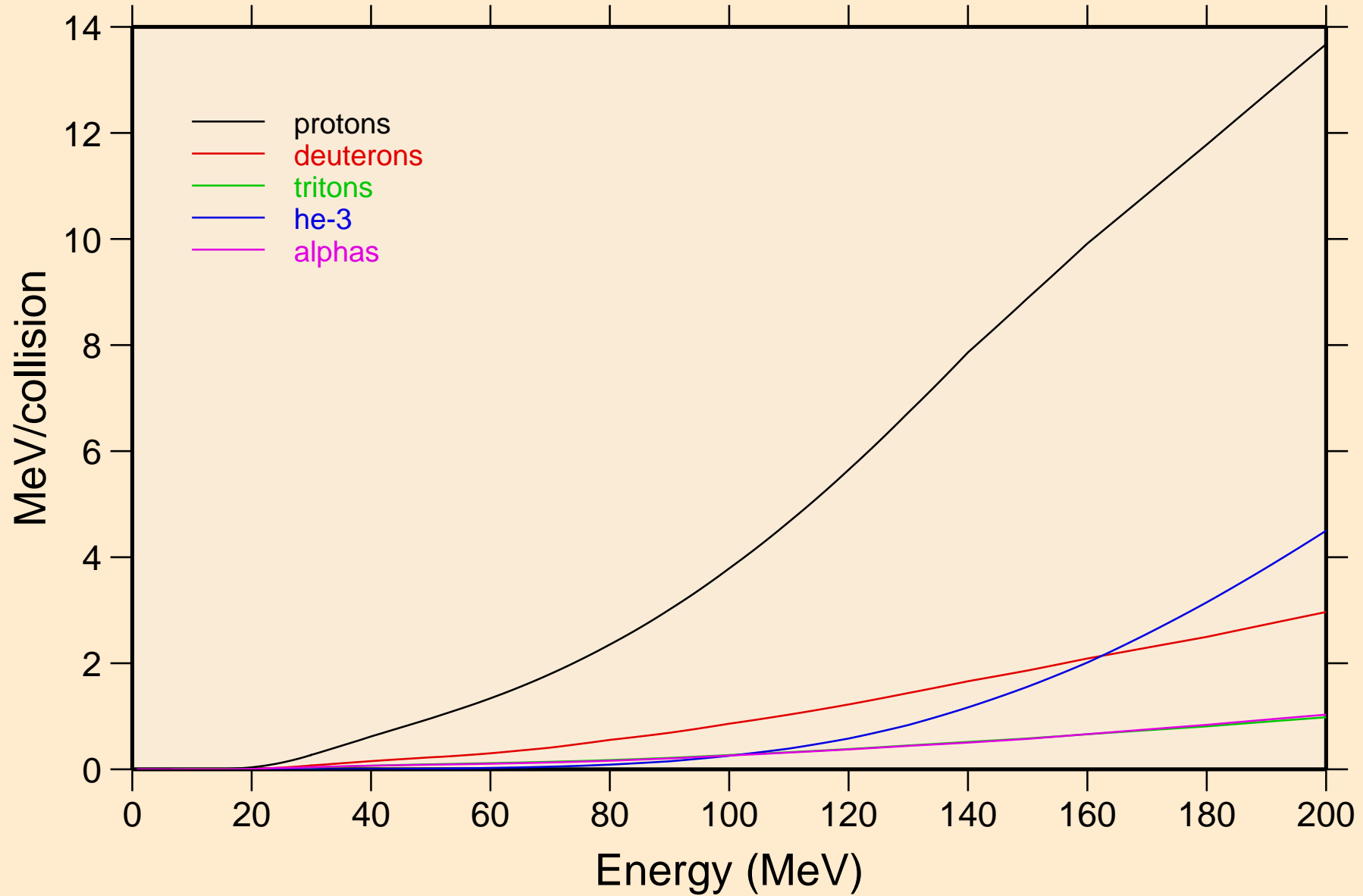
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14 MeV photon spectrum





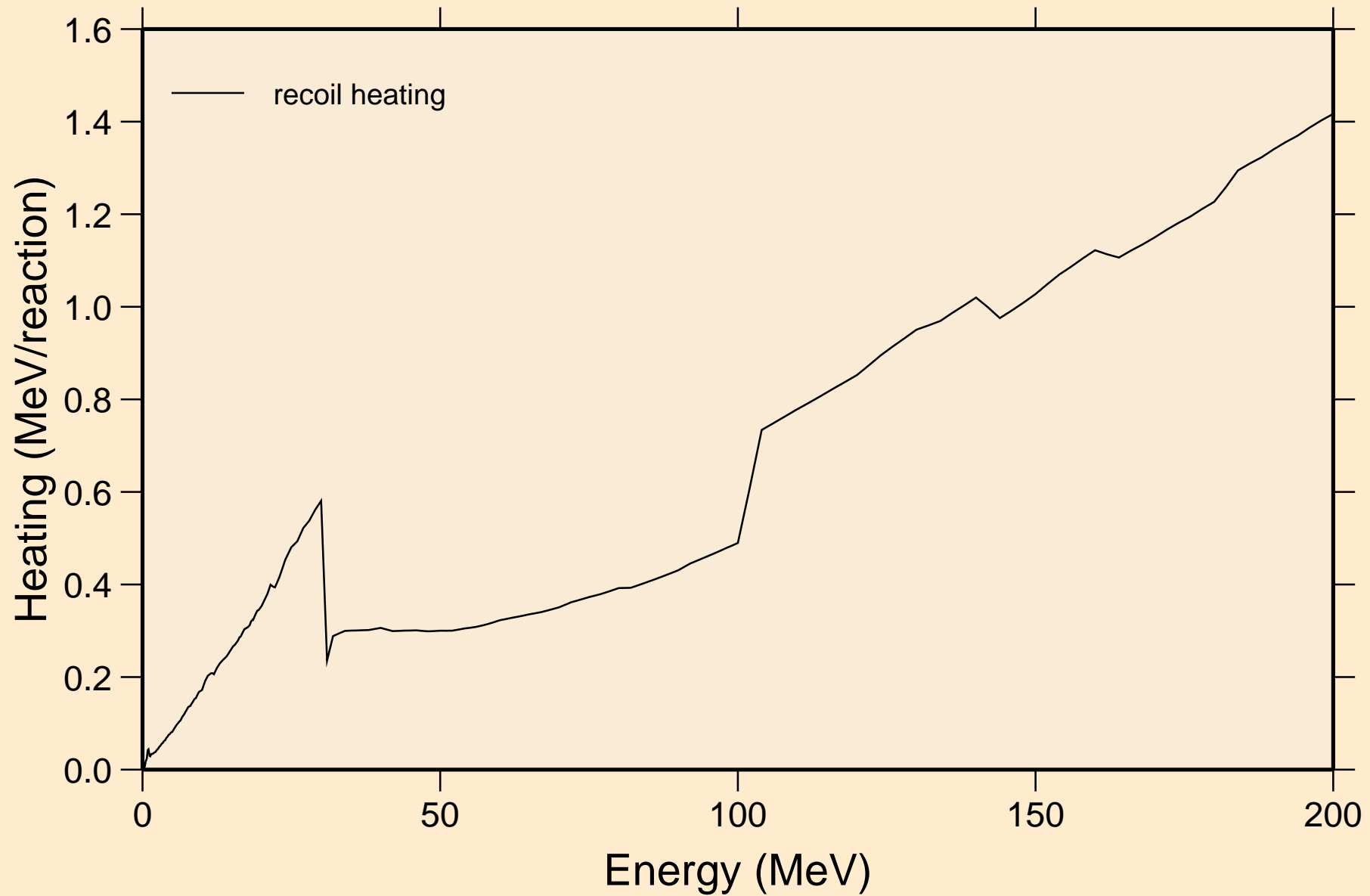
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## Particle heating contributions

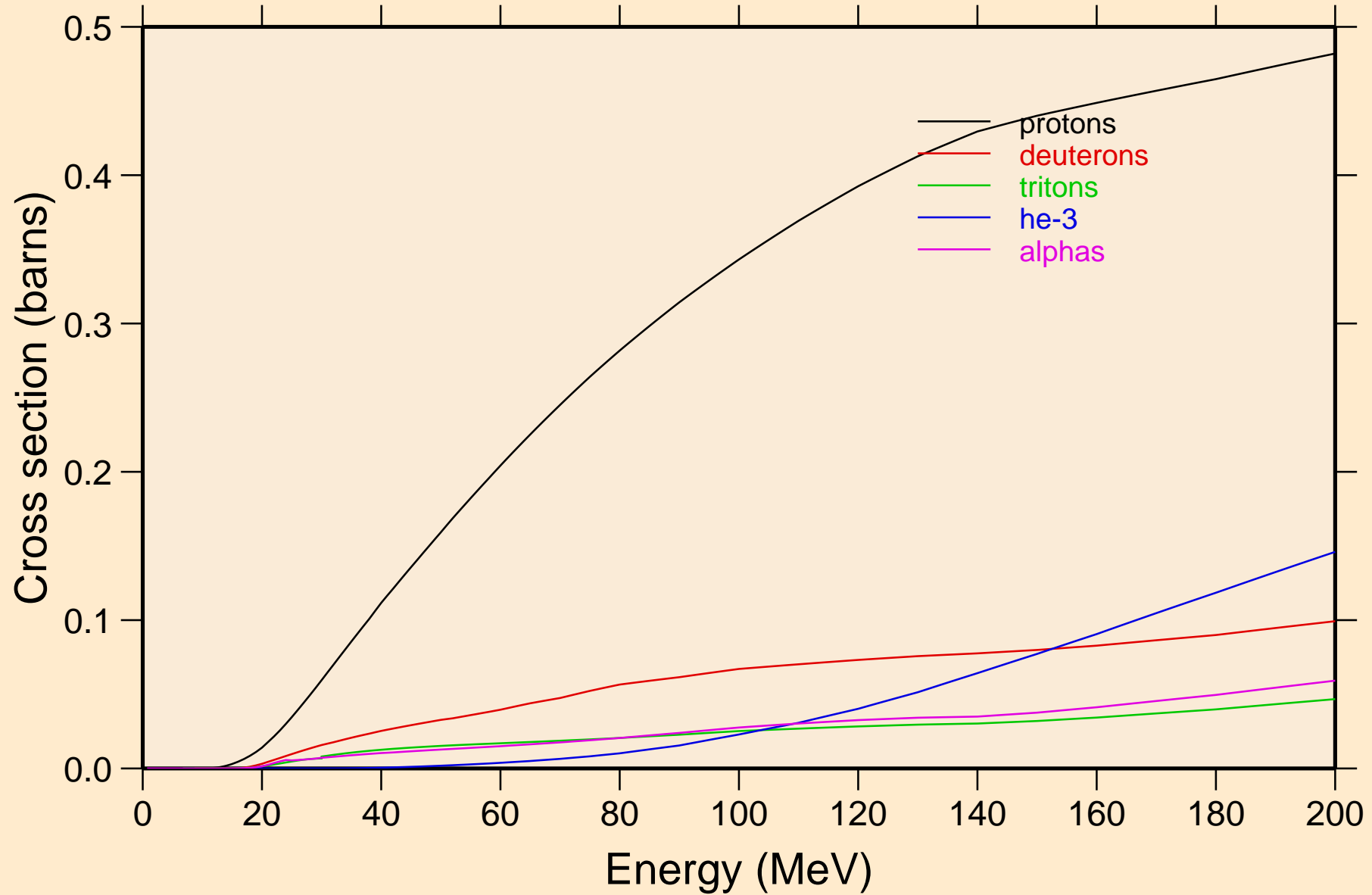


# RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

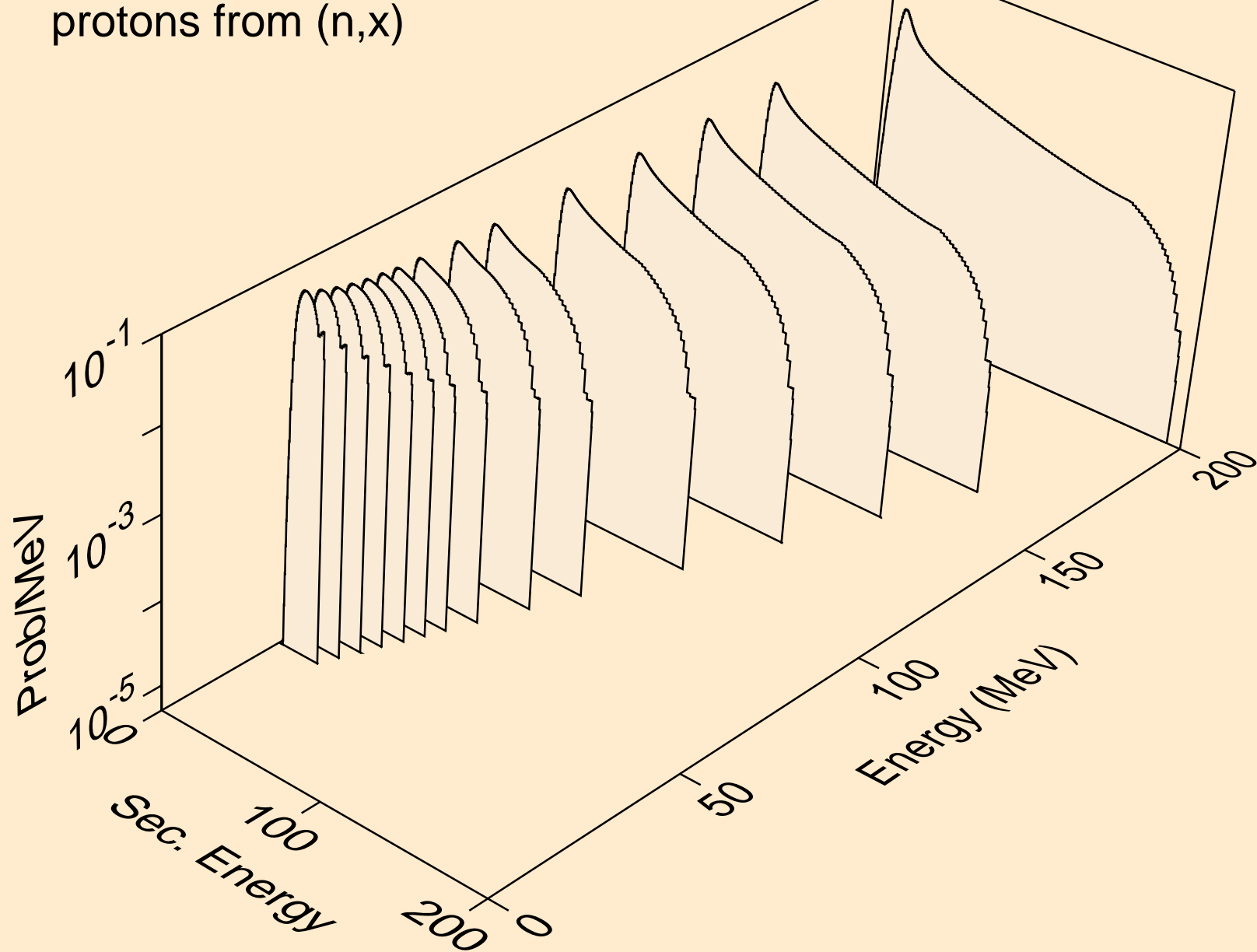
## Recoil Heating



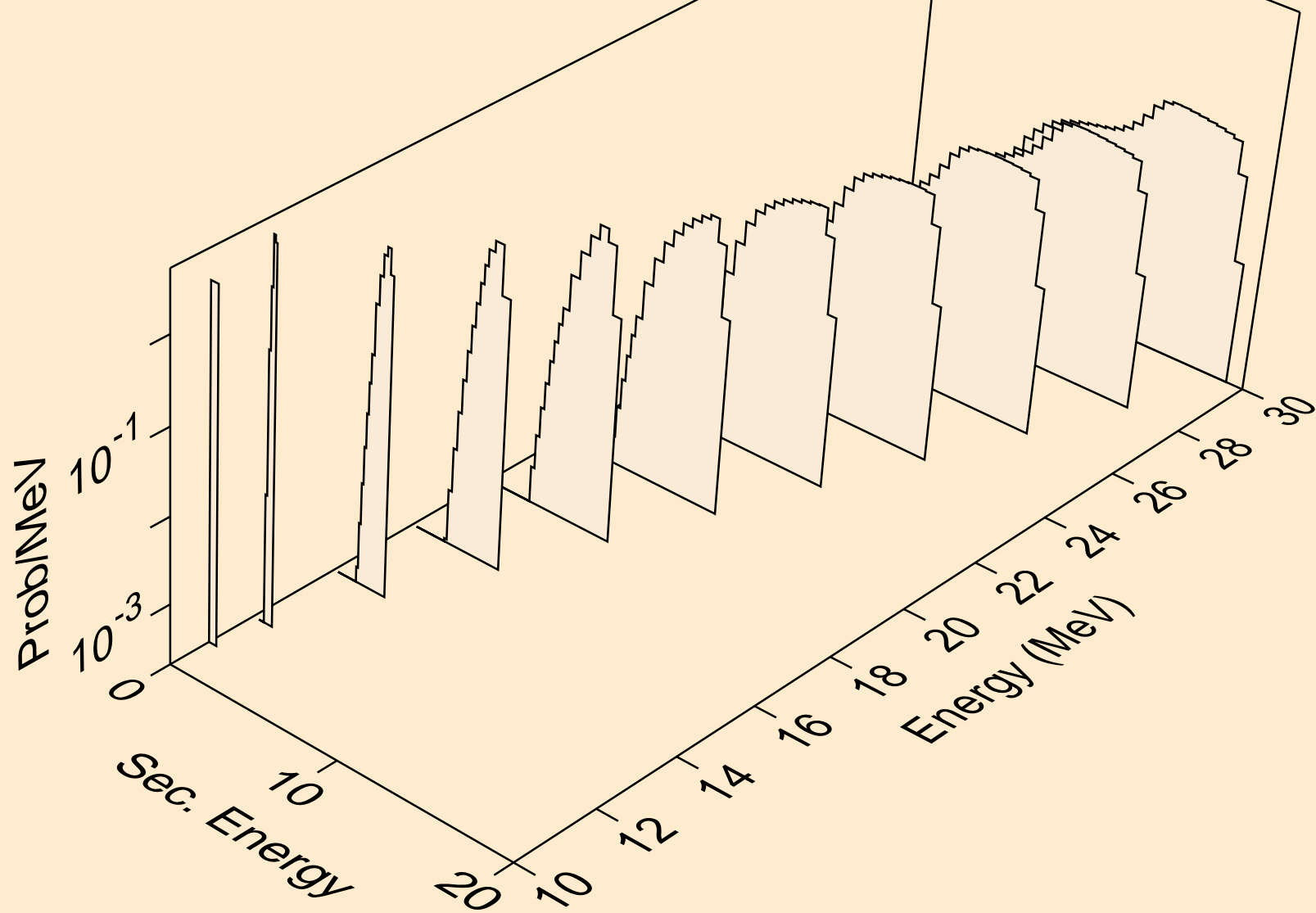
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Particle production cross sections



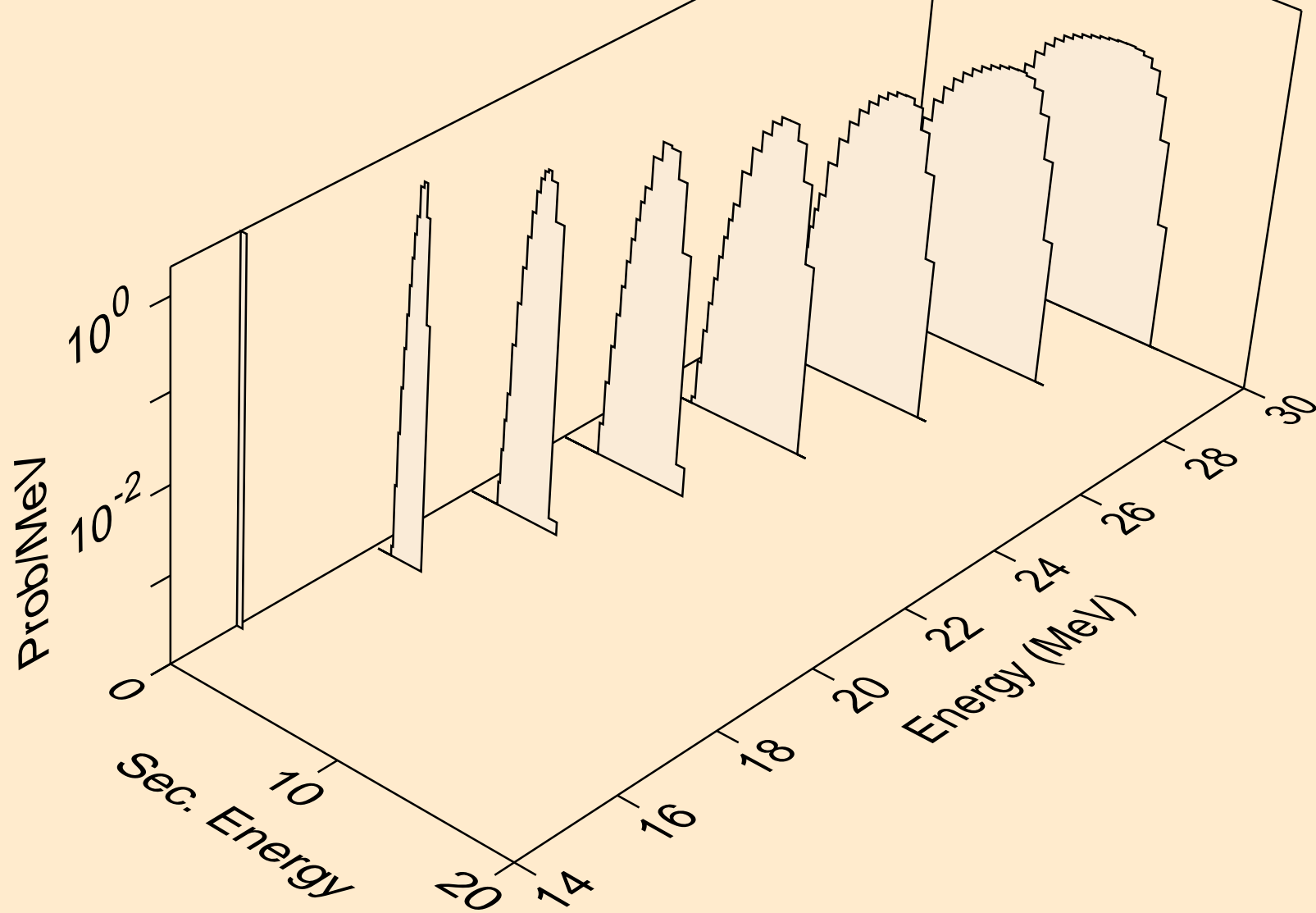
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protons from (n,x)



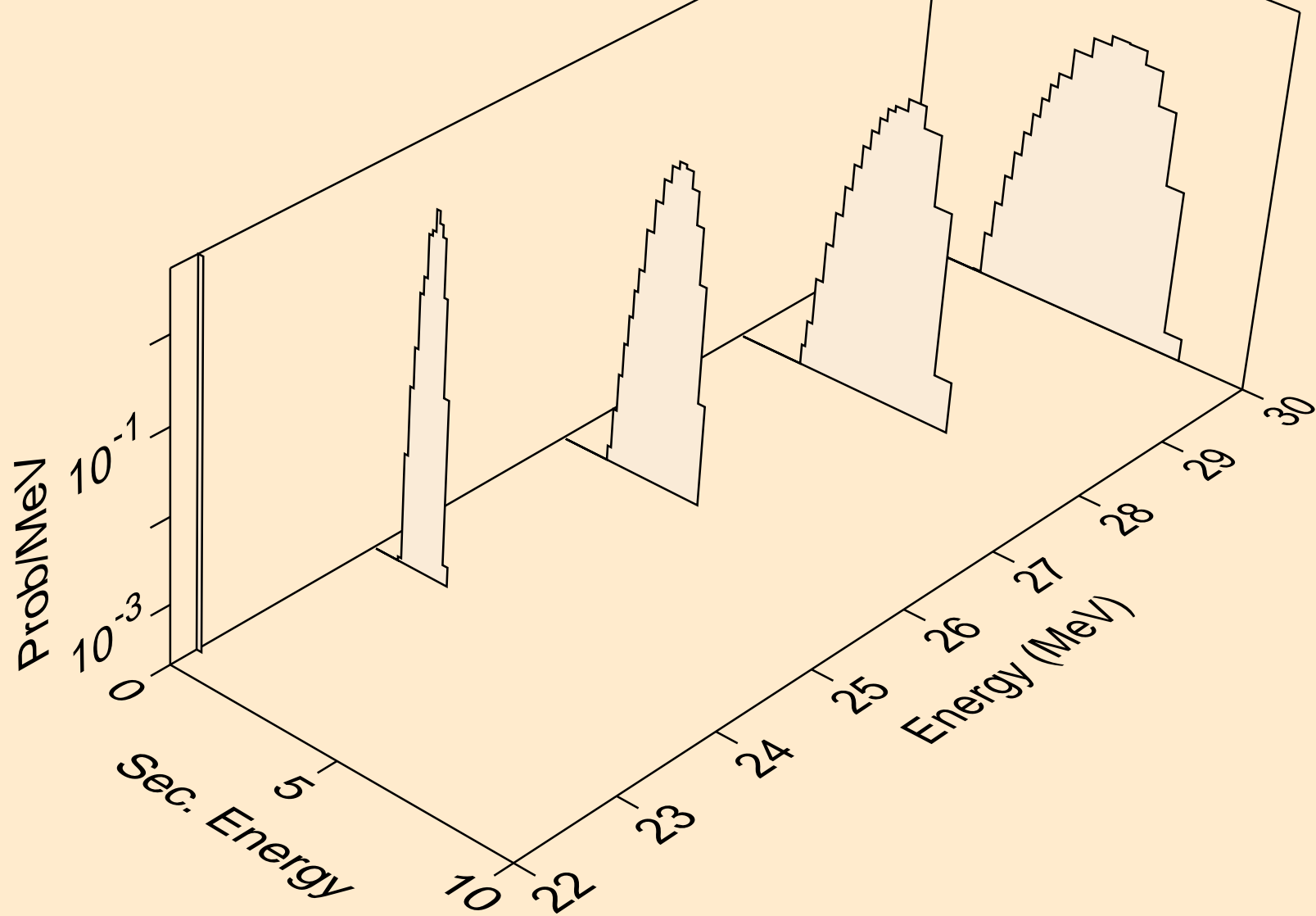
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protons from (n,n\*)p



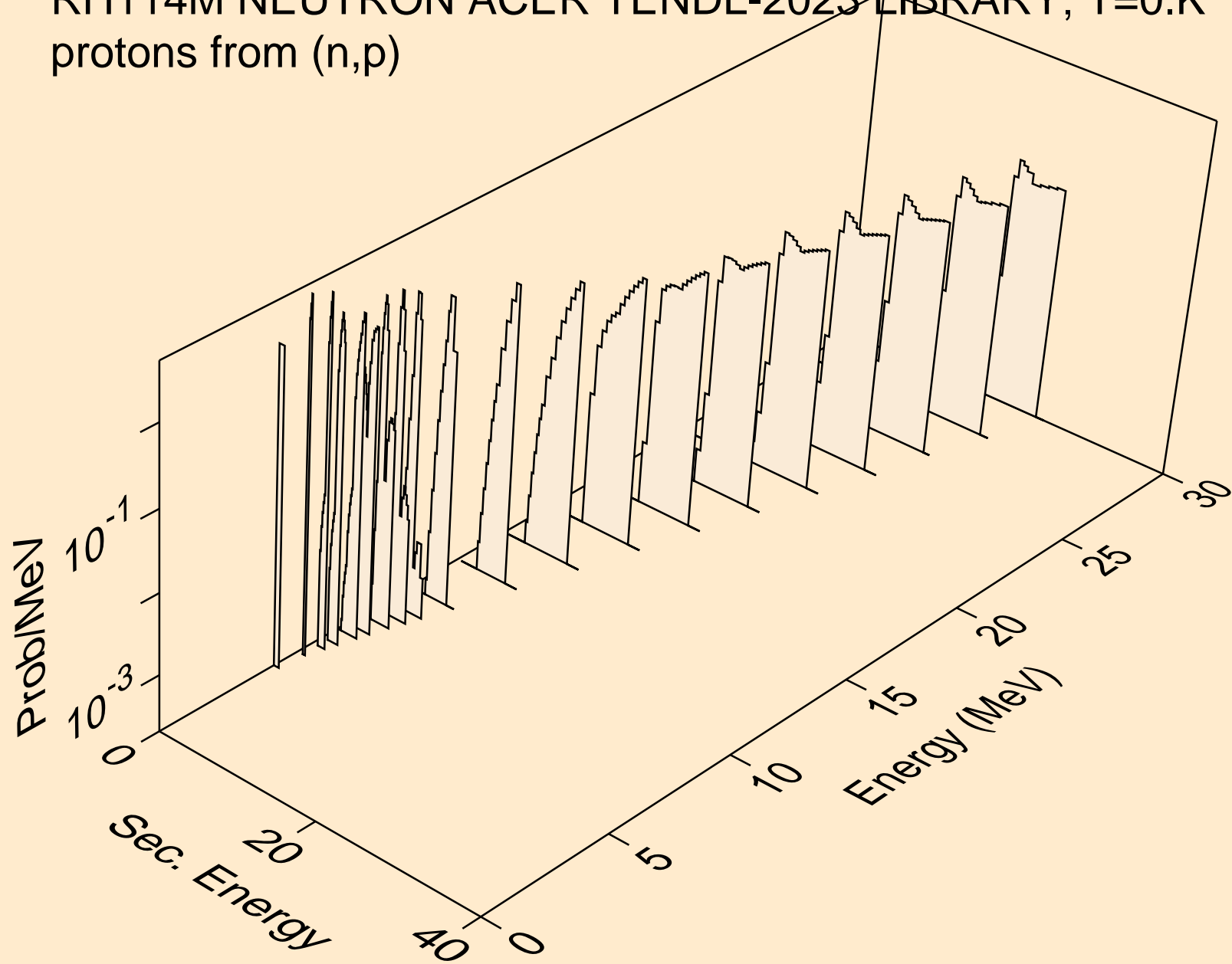
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protons from (n,2np)



RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)

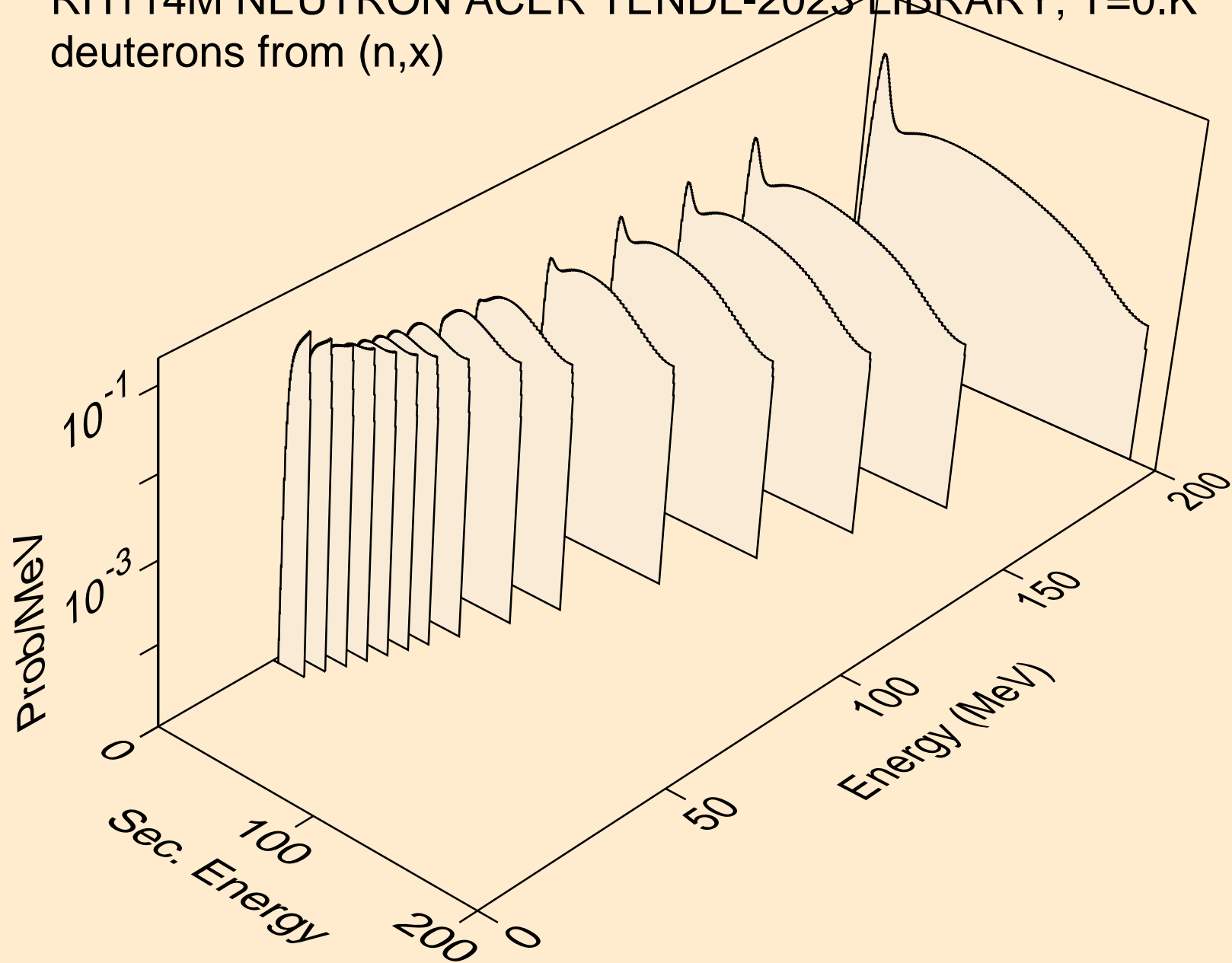


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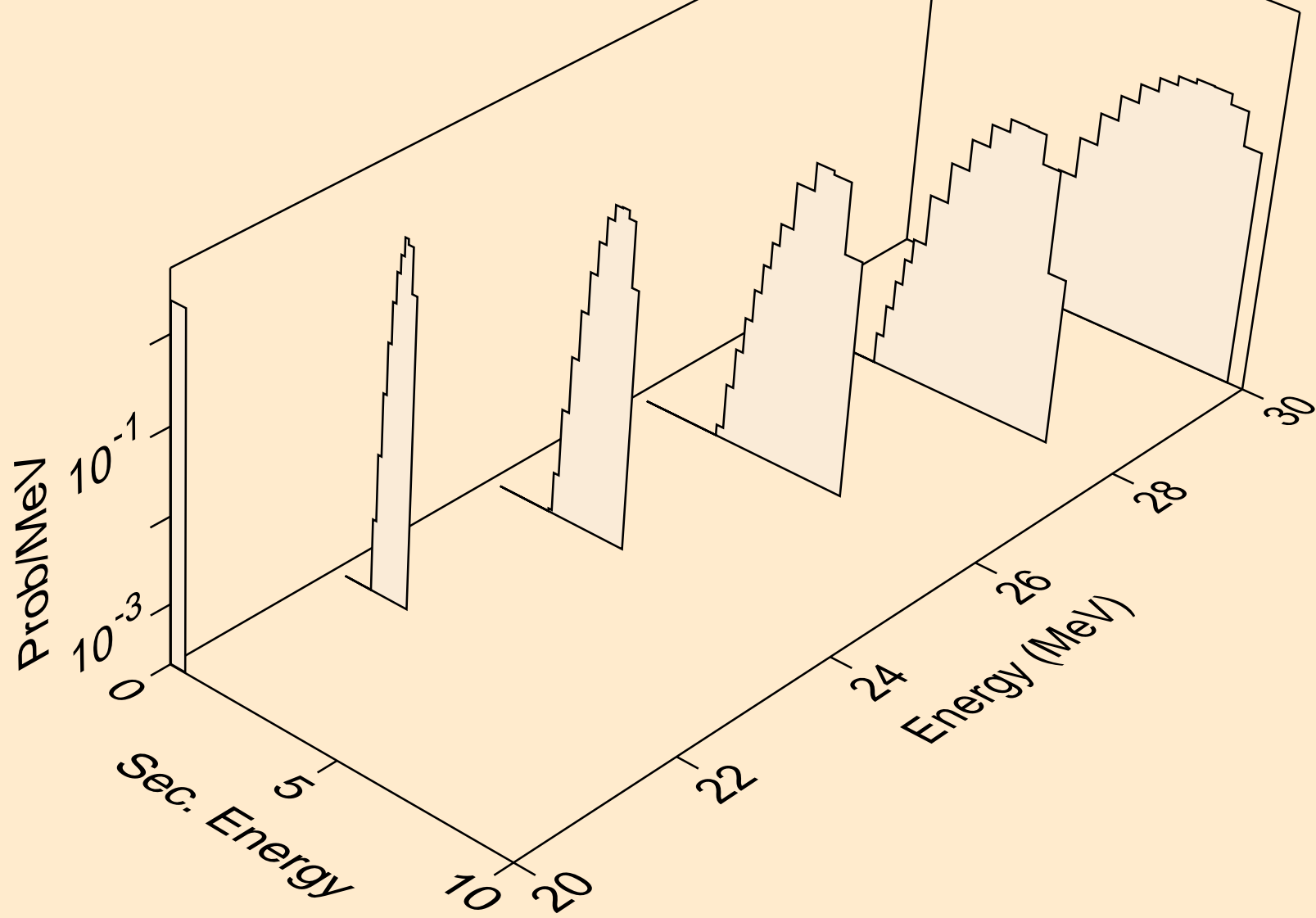




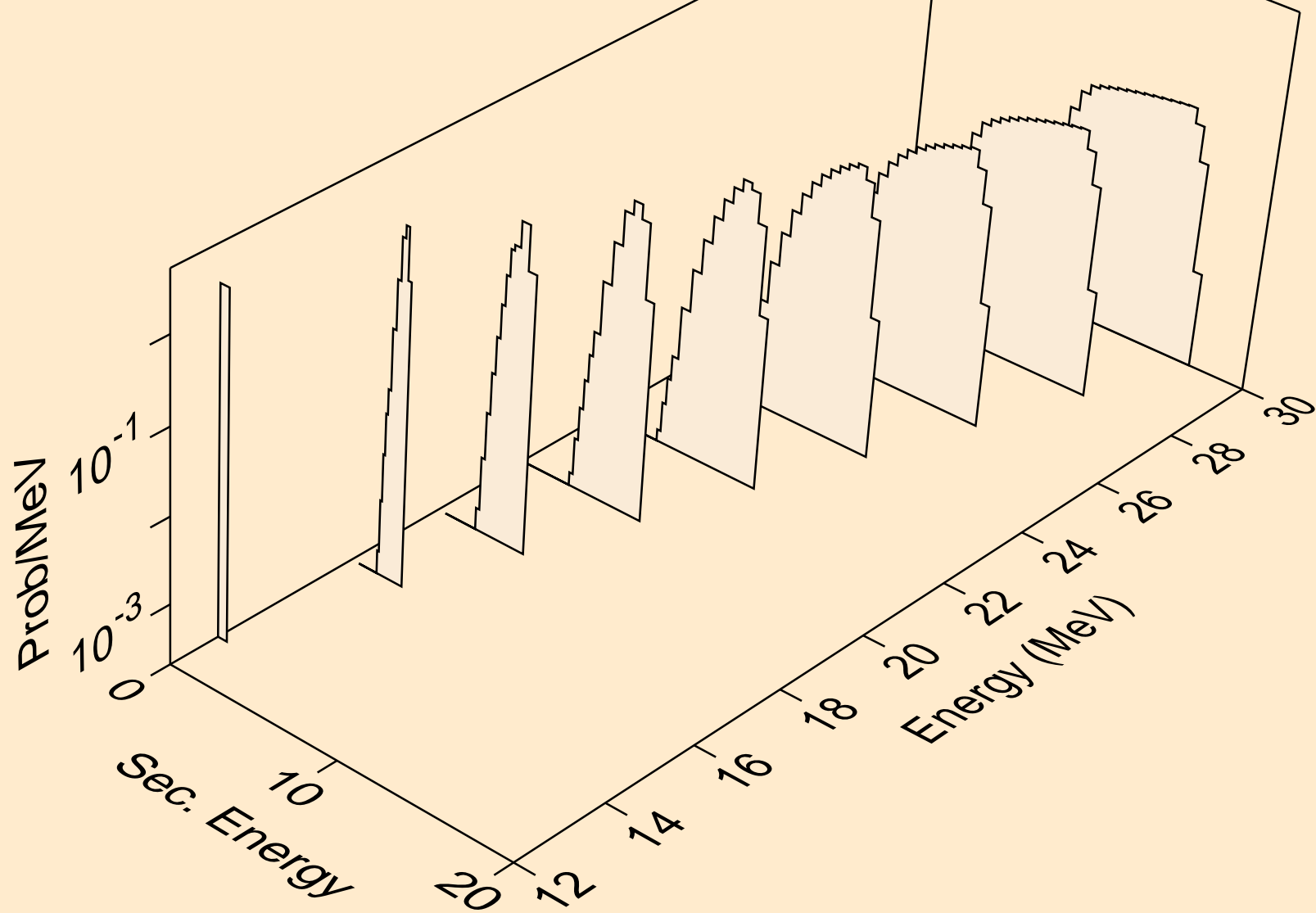
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deuterons from (n,x)



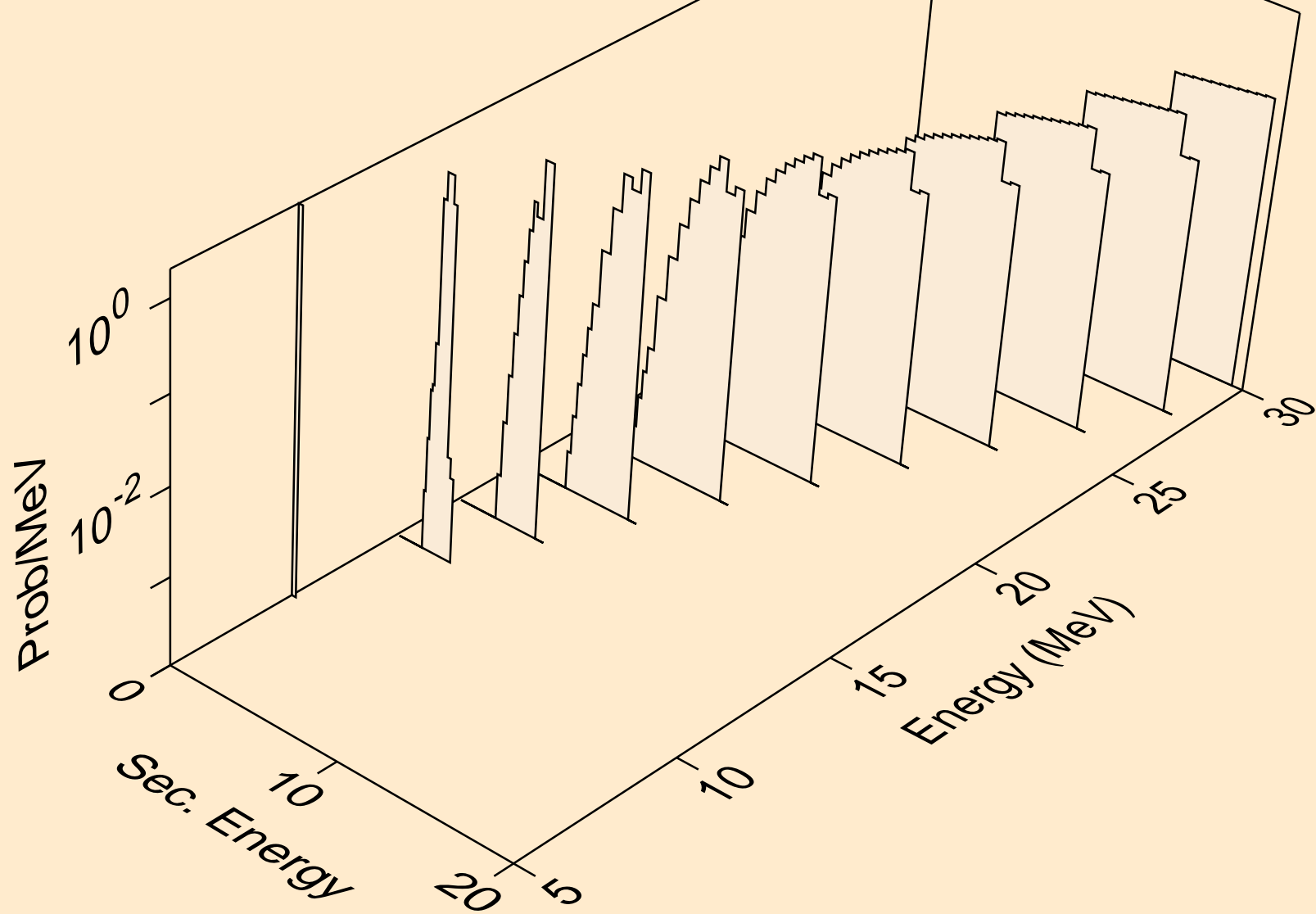
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deuterons from (n,2nd)



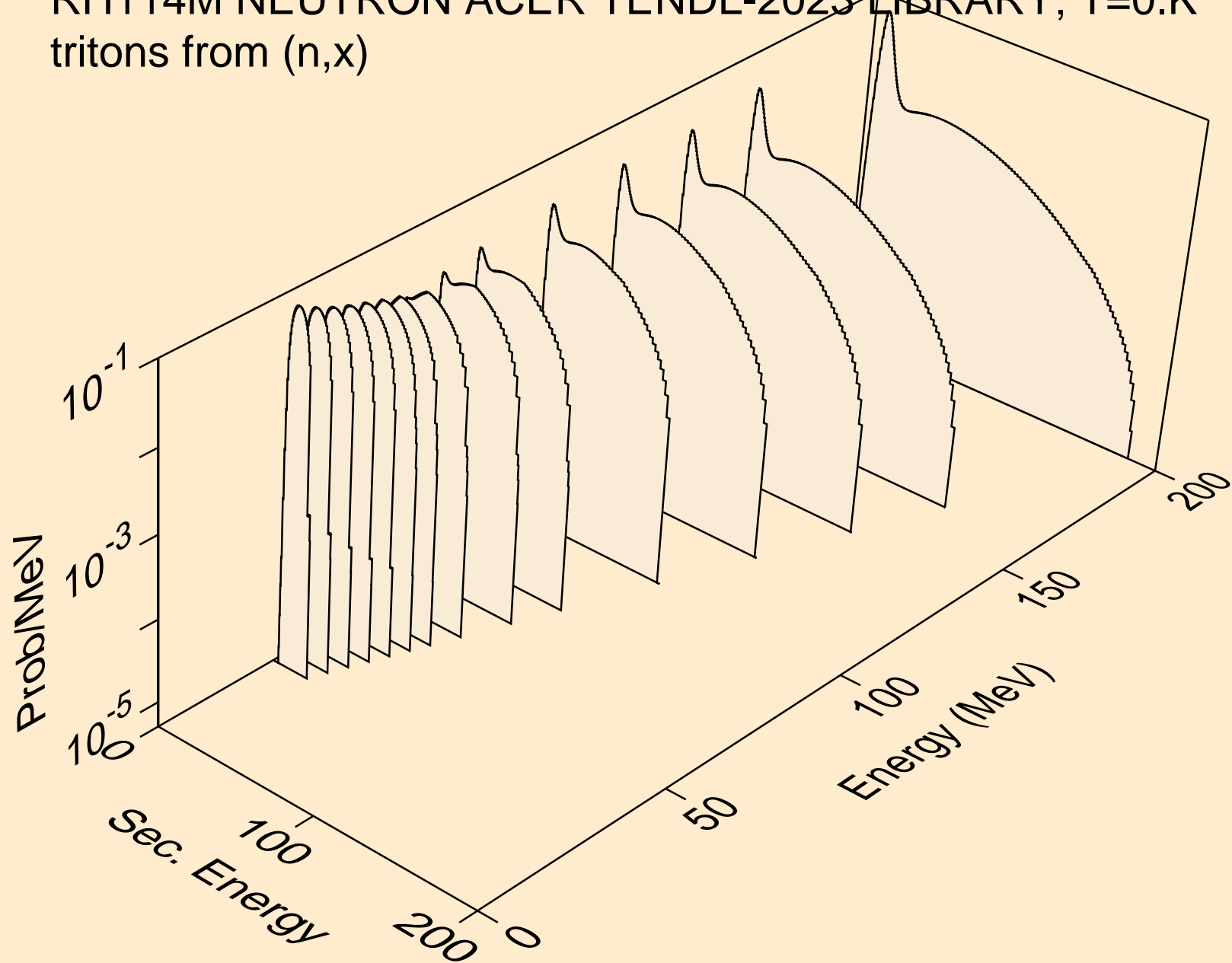
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deuterons from (n,n\*)d



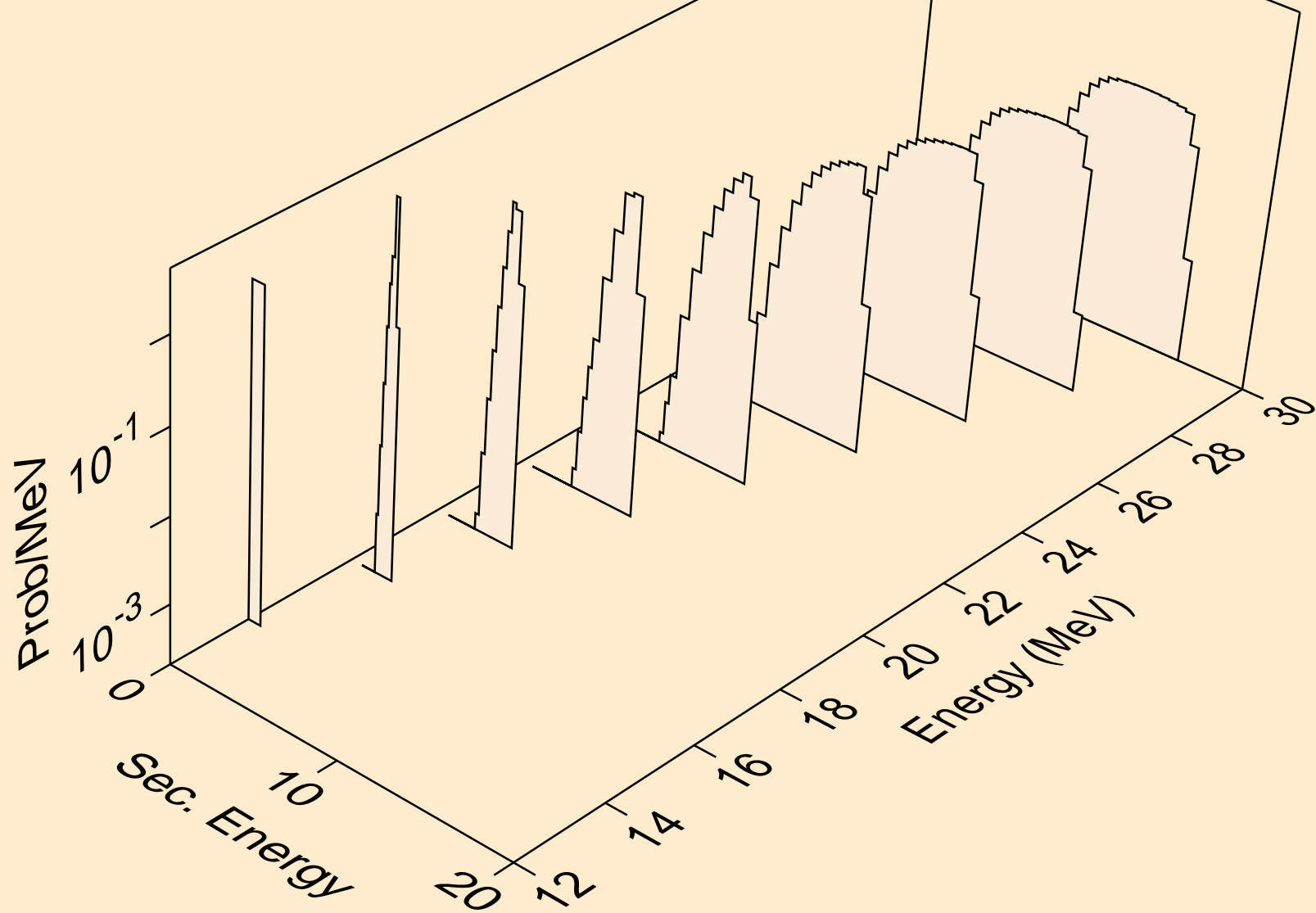
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deuterons from (n,d)



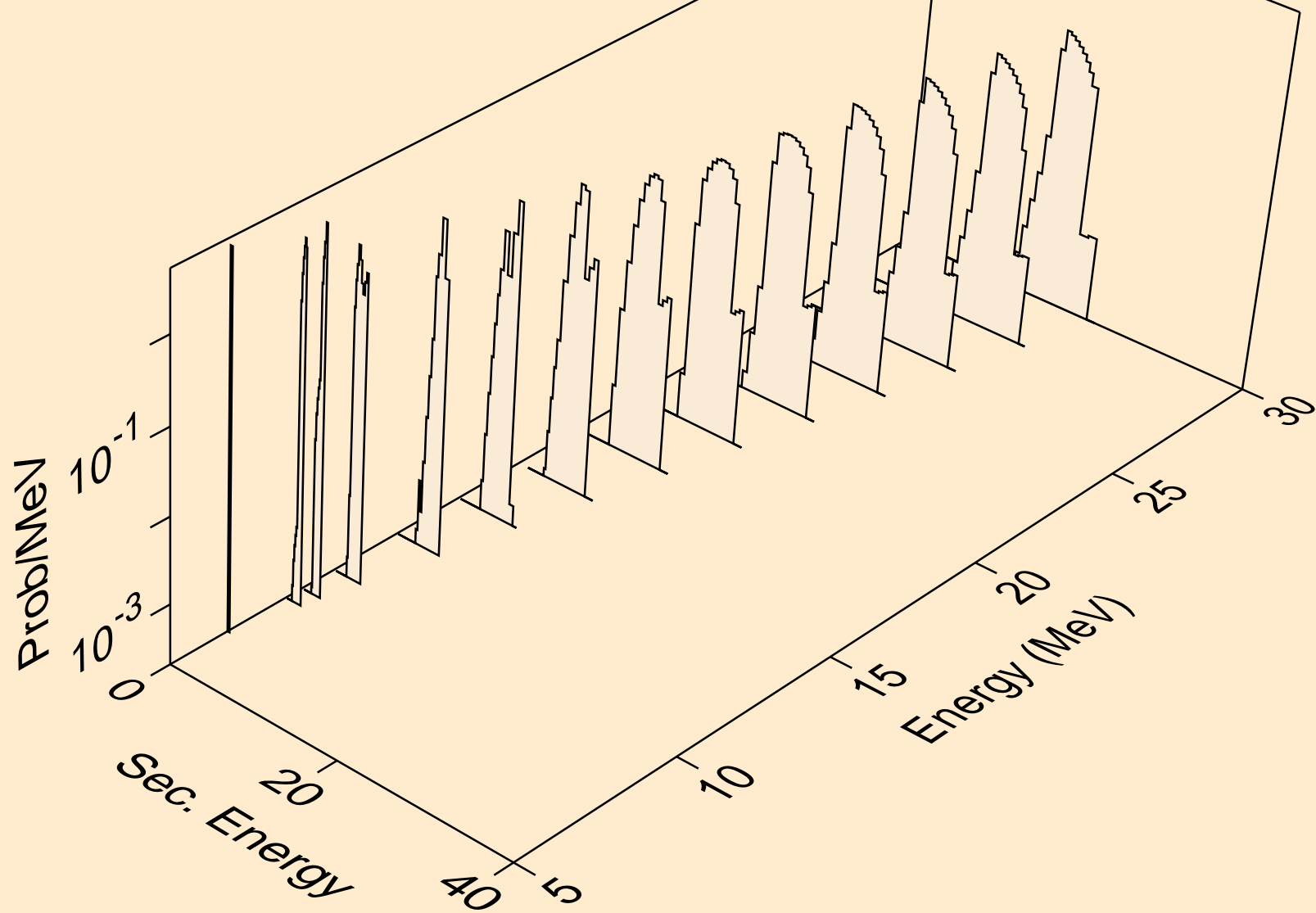
RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



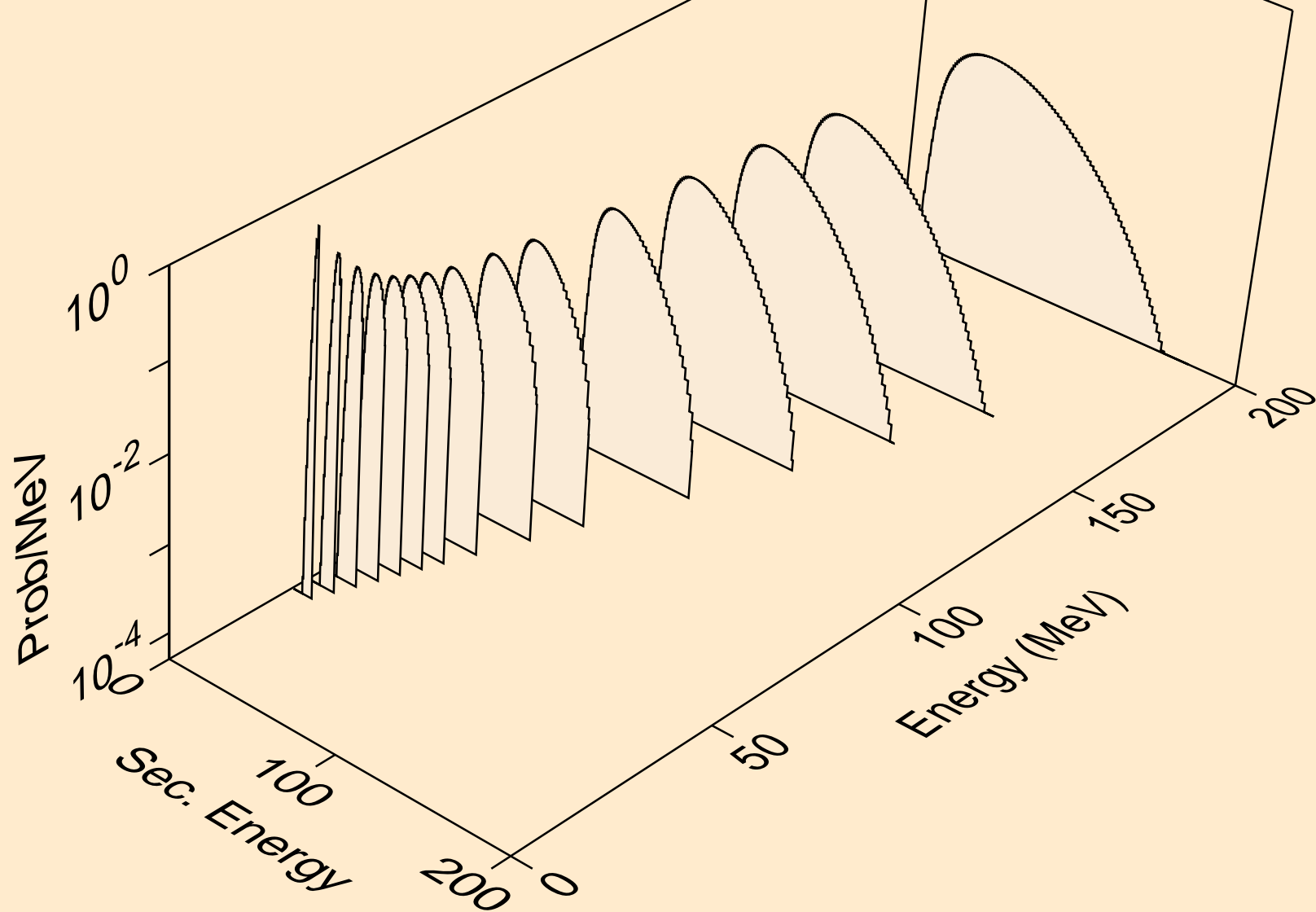
RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)

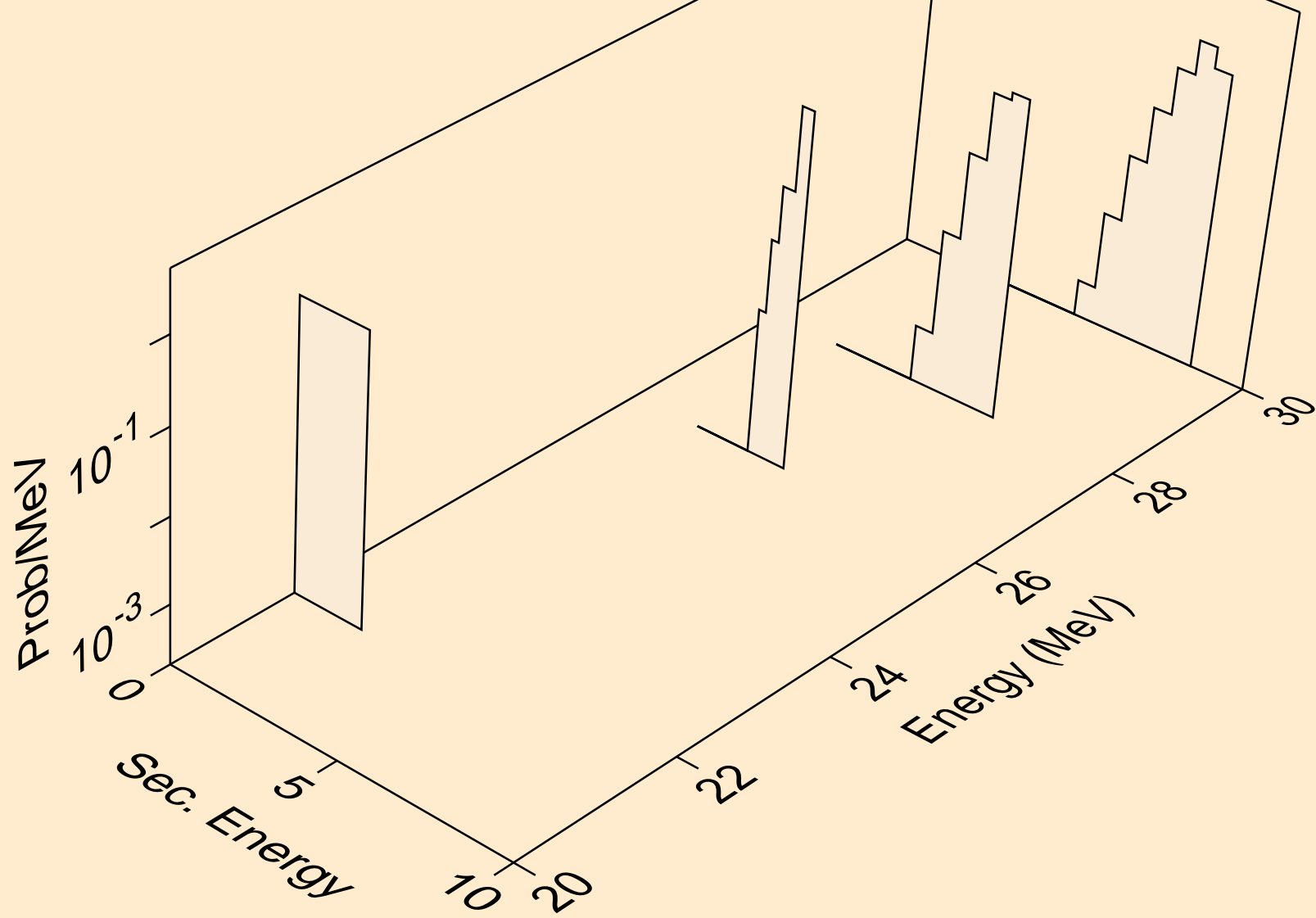


RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)

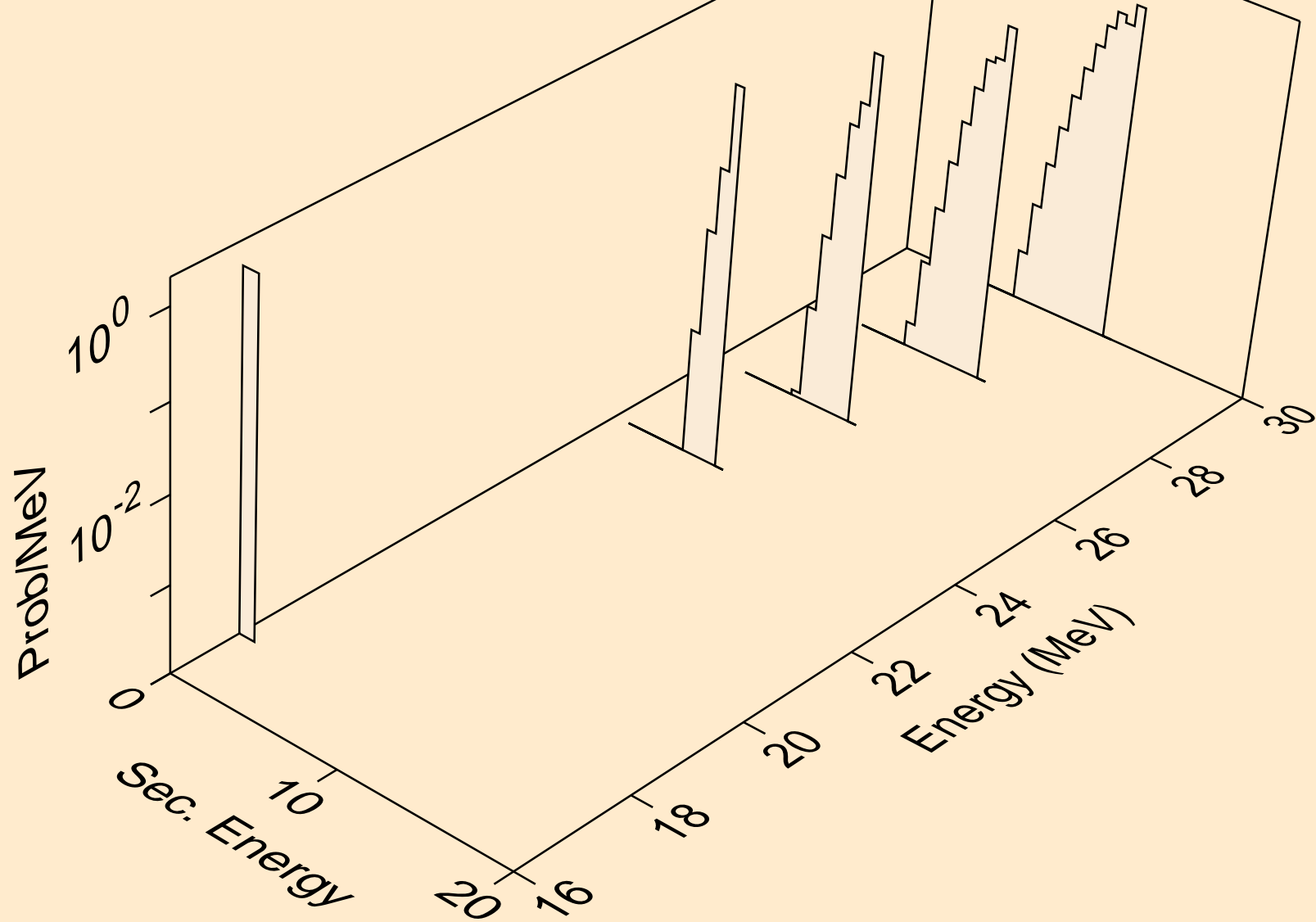




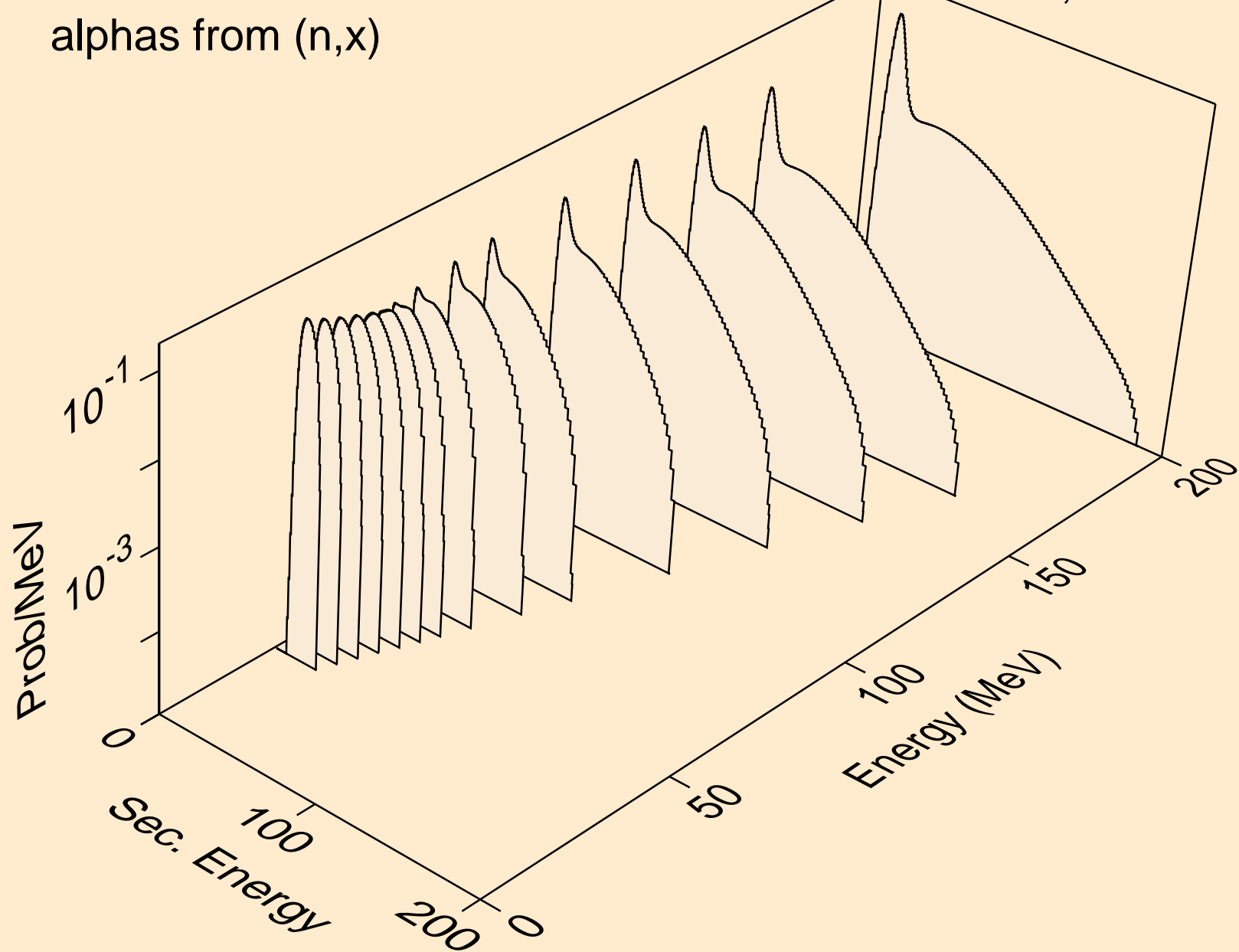
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he3s from (n,n\*)he3



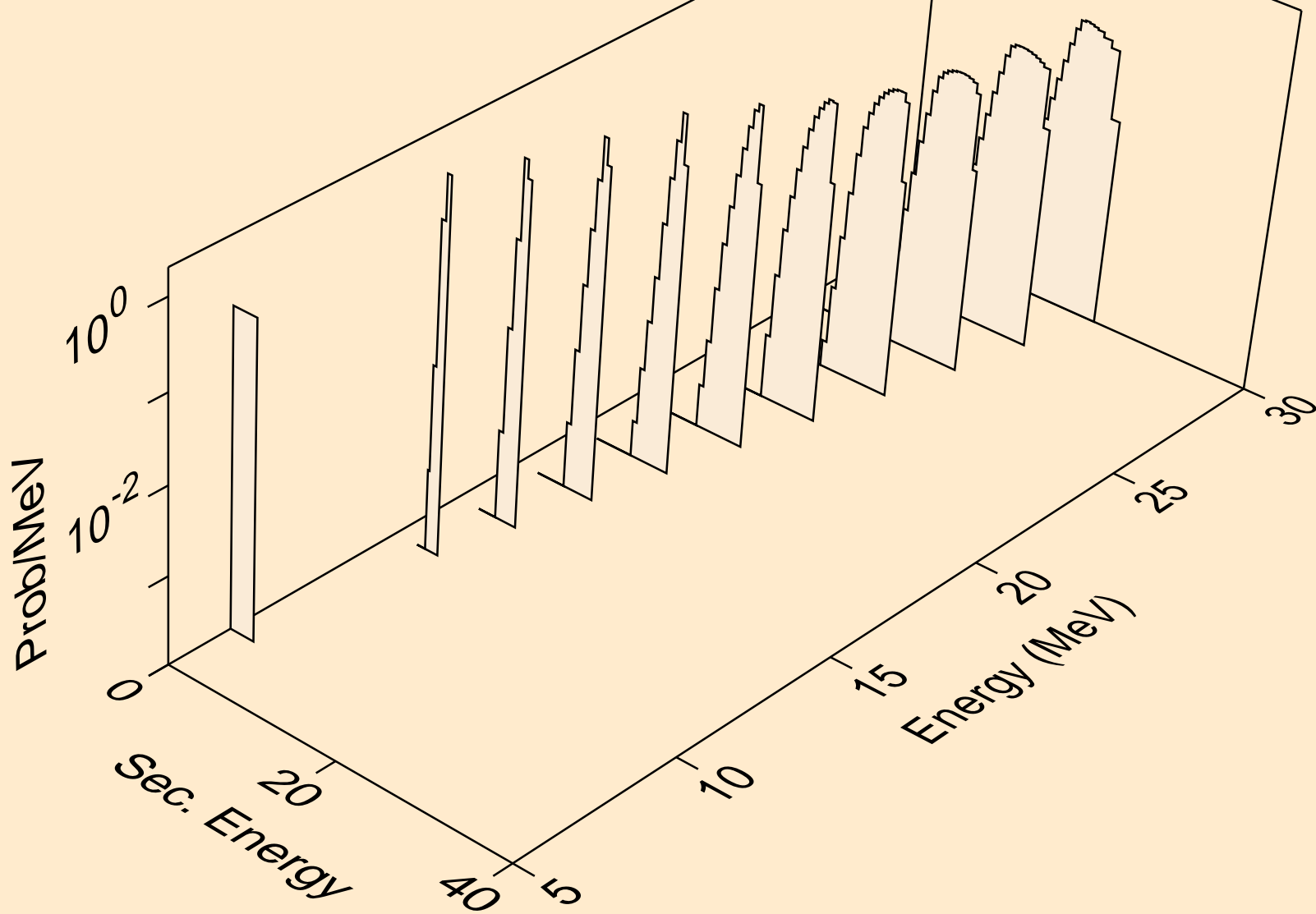
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he3s from (n,he3)



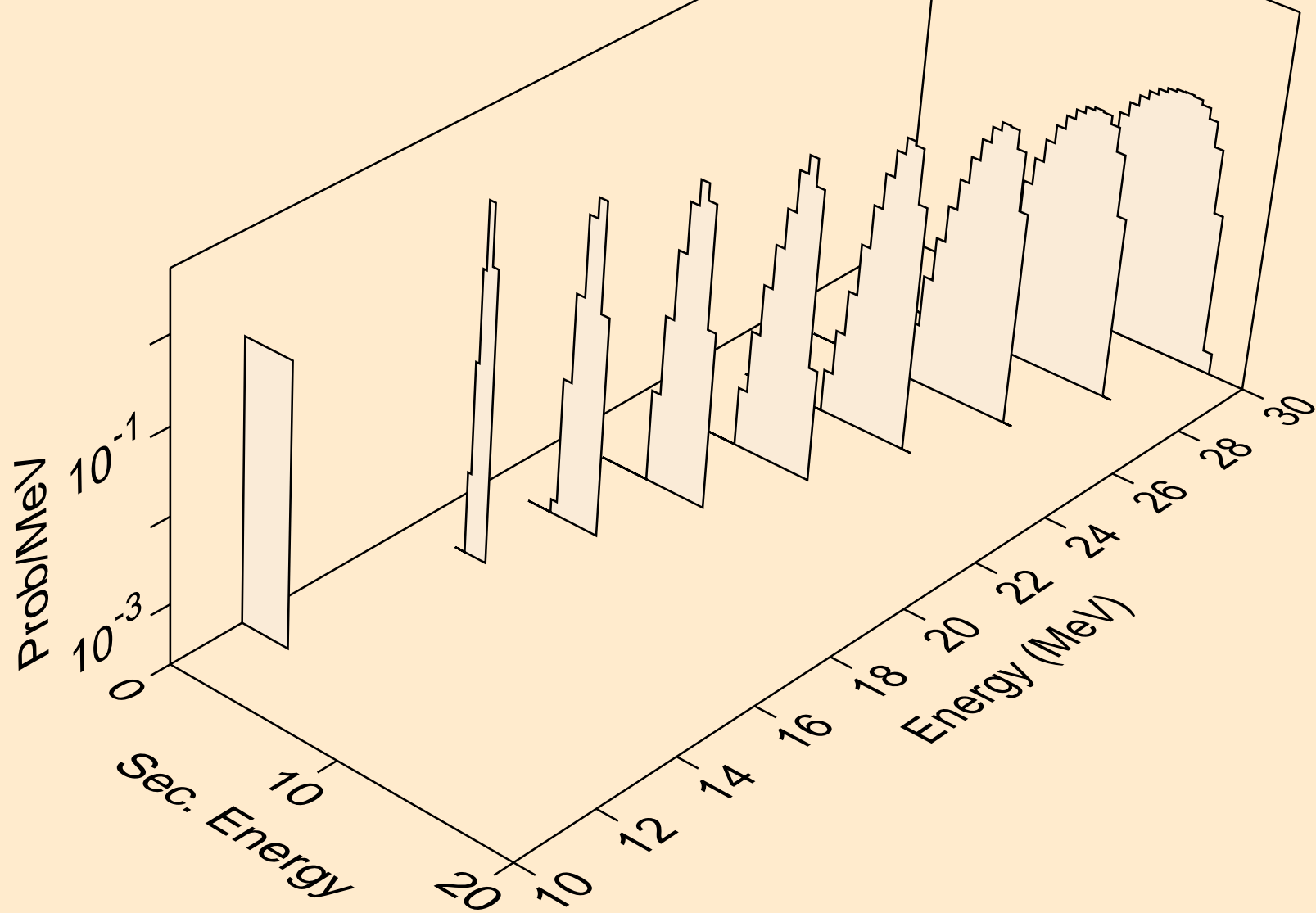
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alphas from (n,x)



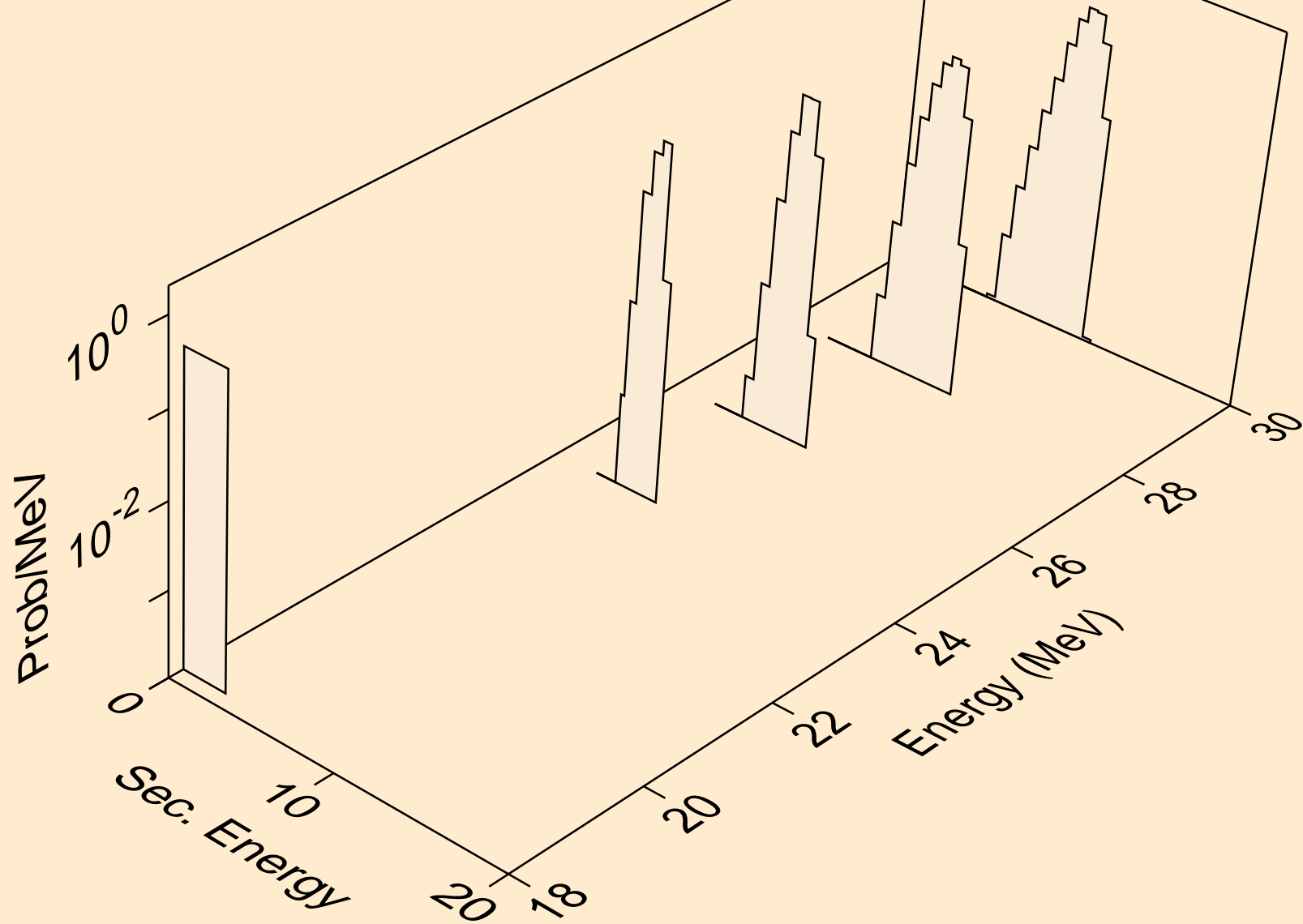
RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



RH114M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)

