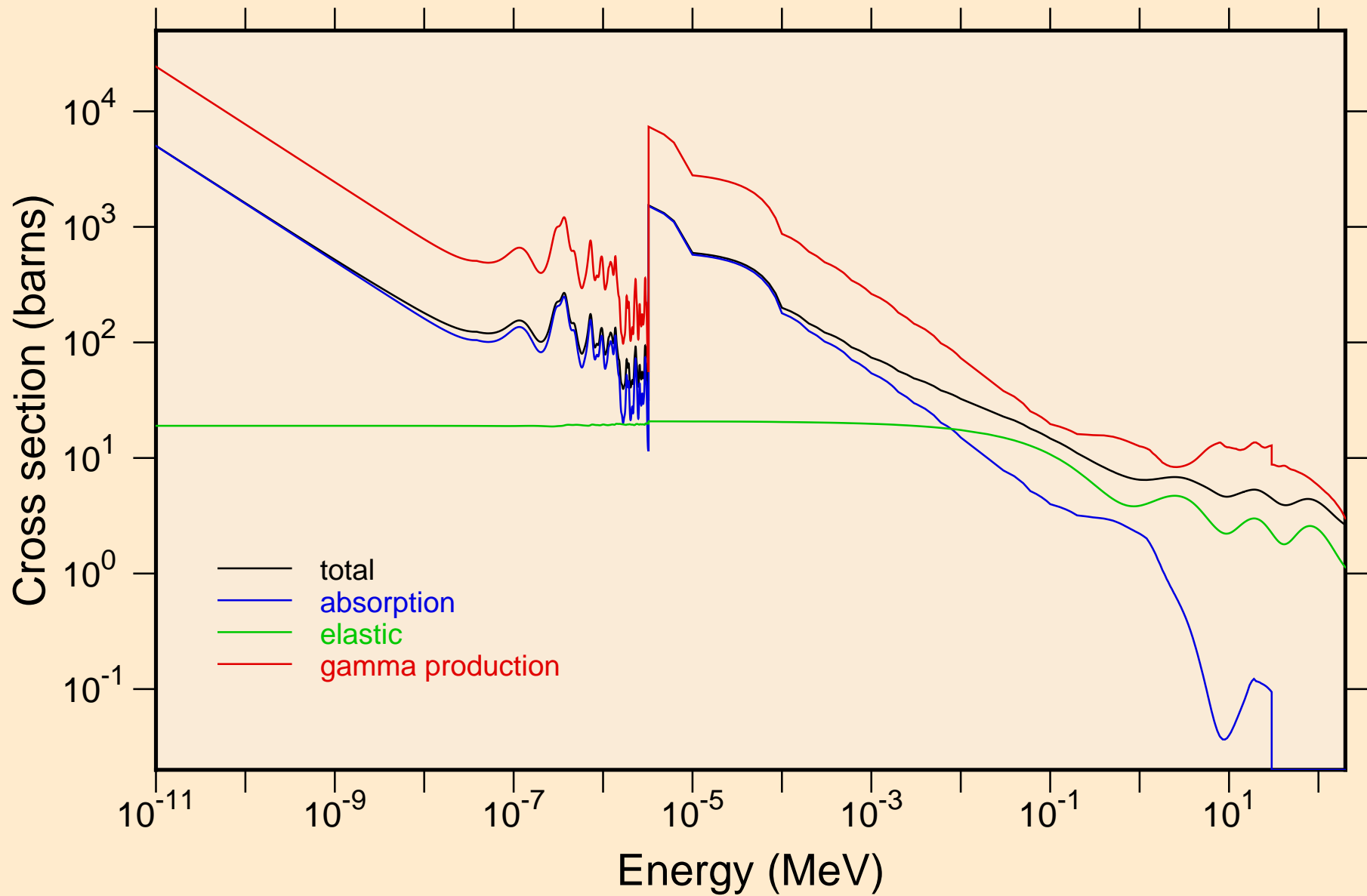


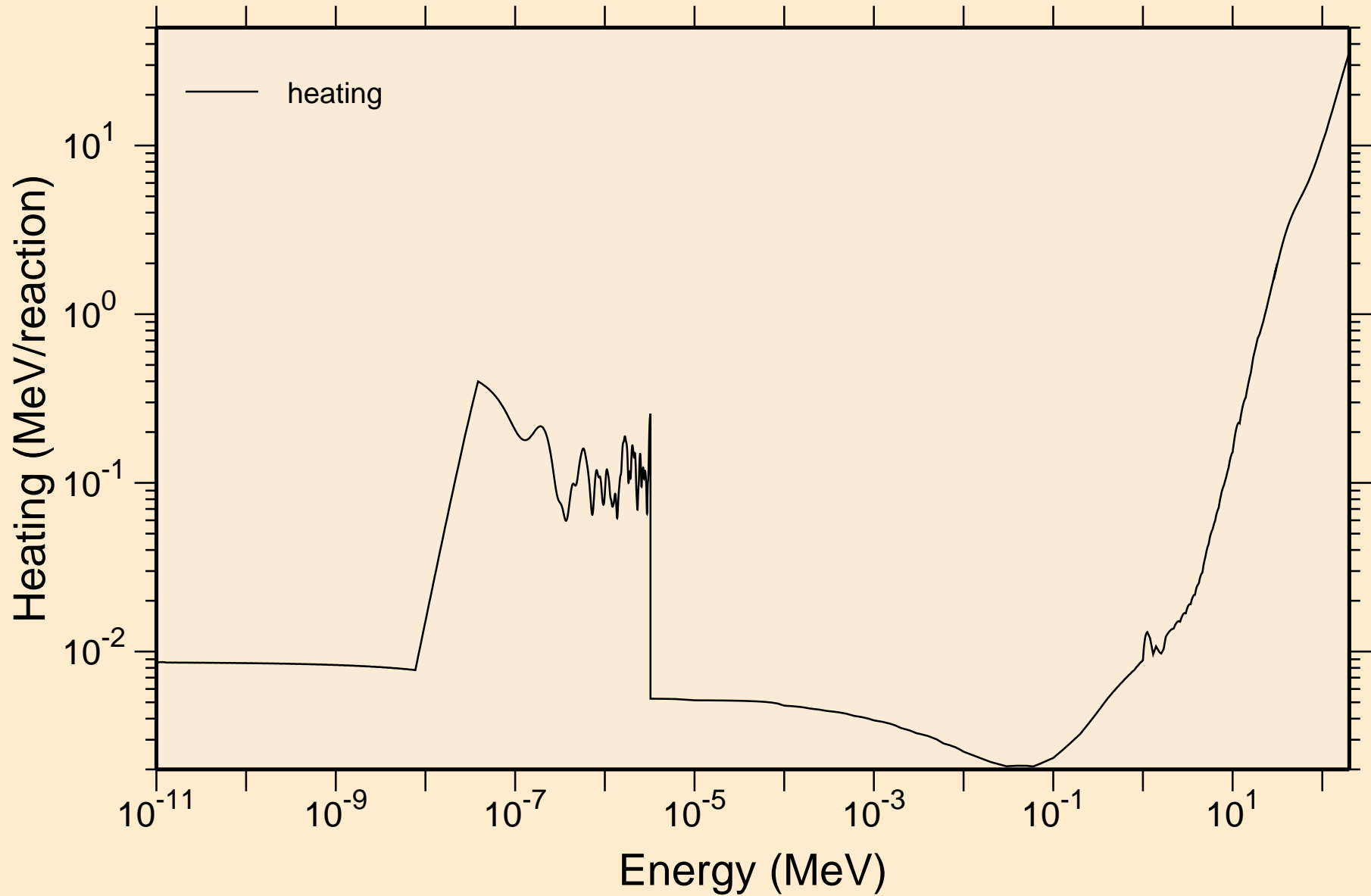
# TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



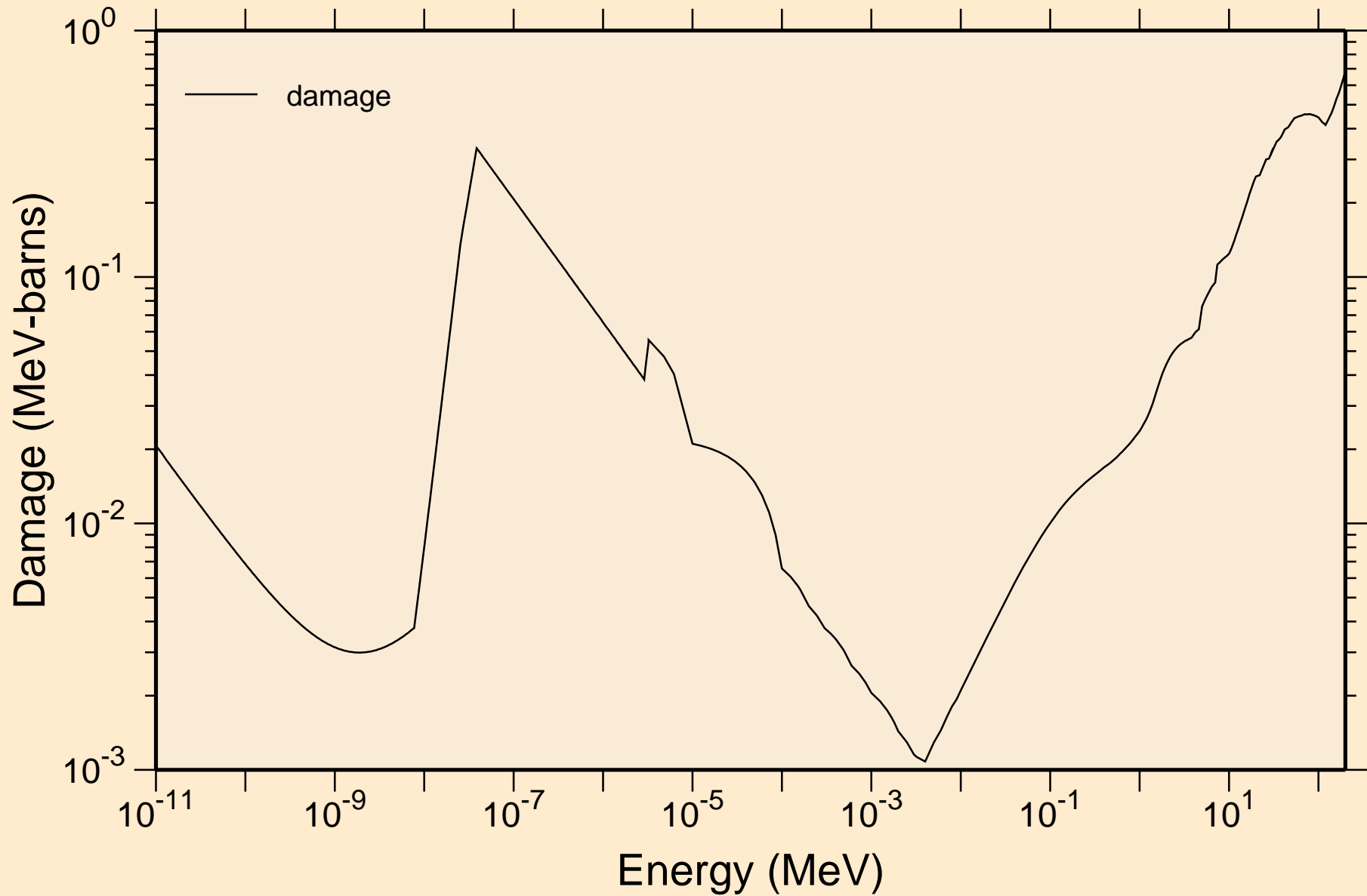
# TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

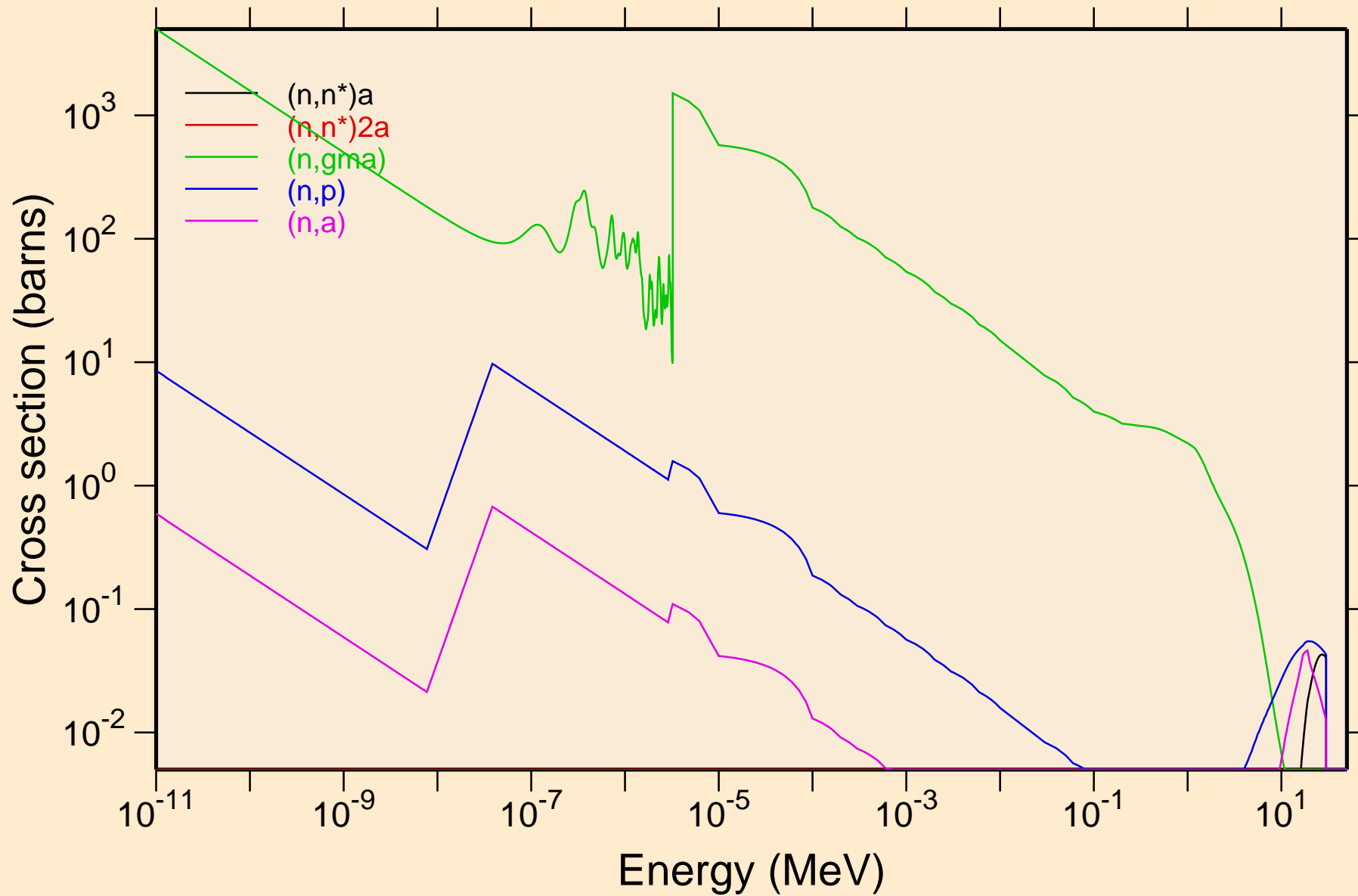


# TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

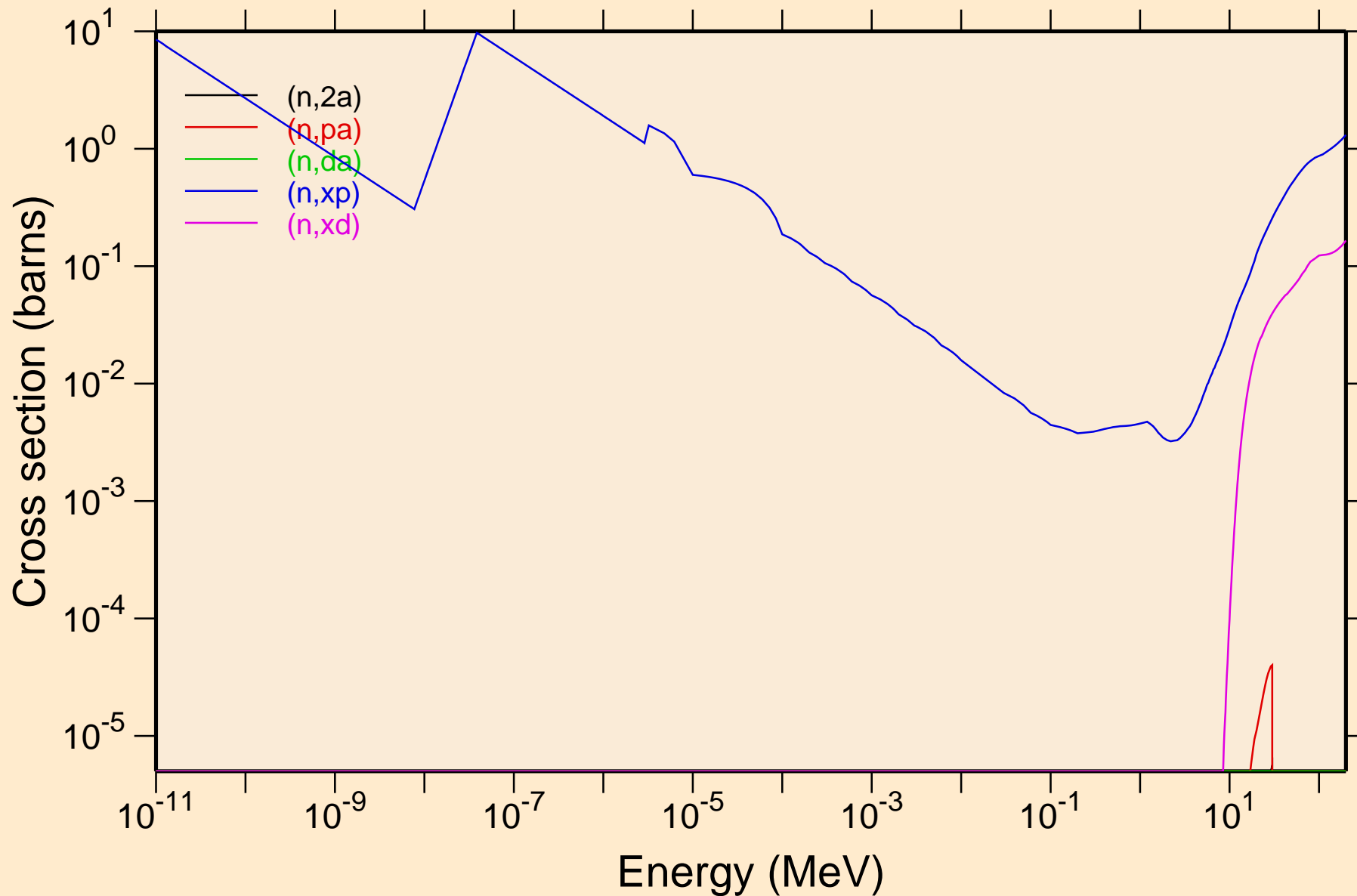
## Damage



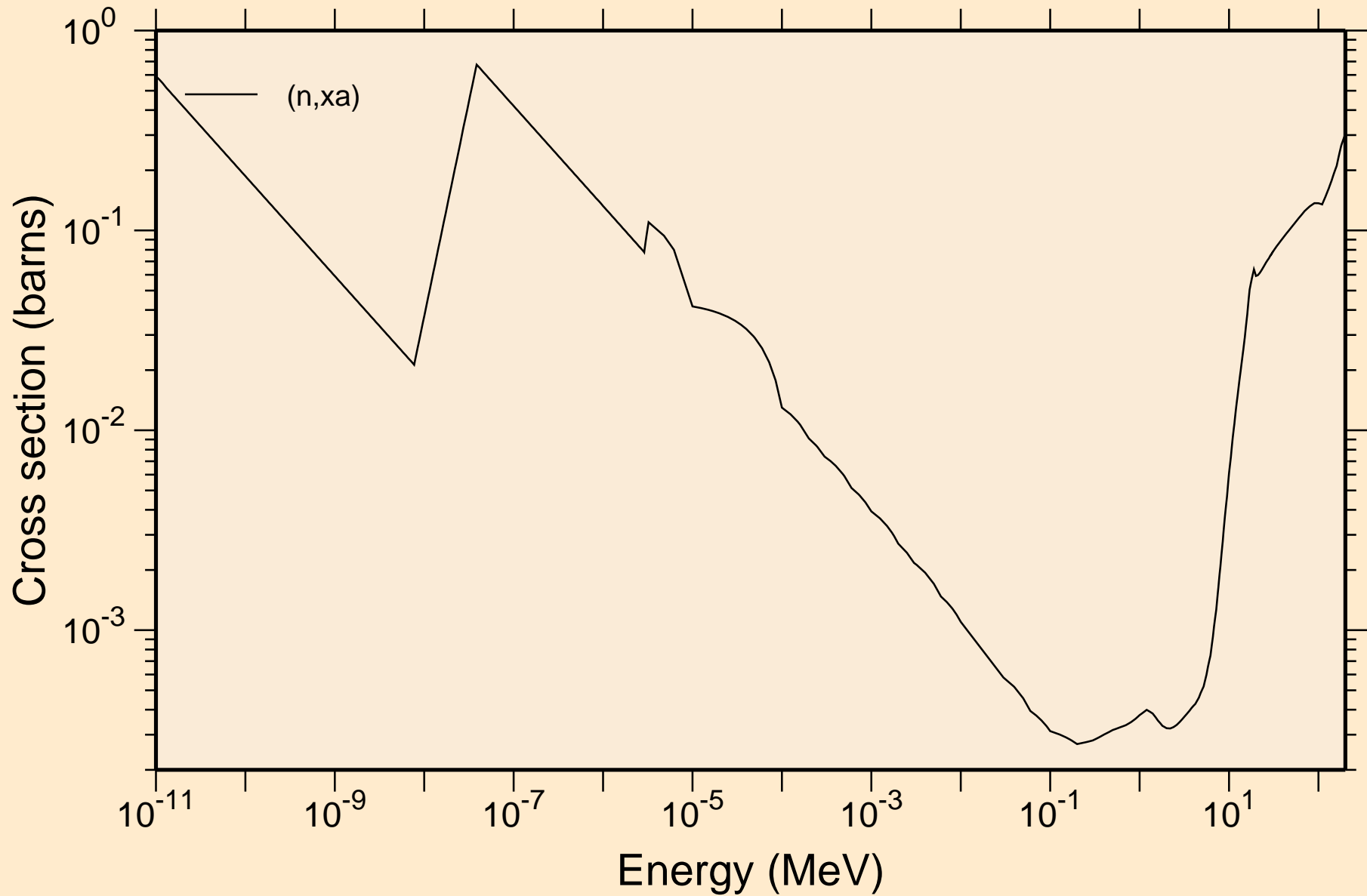
TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



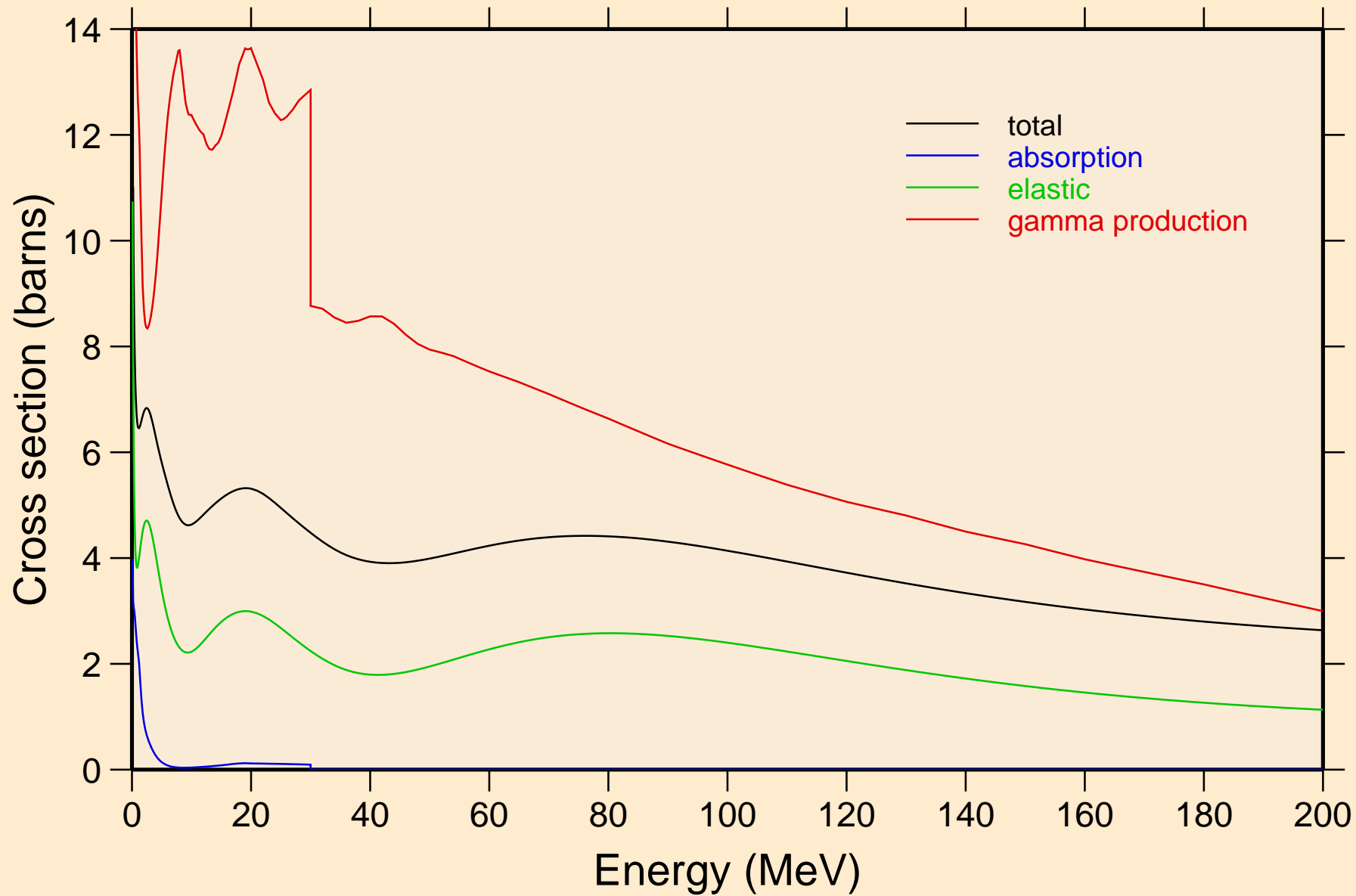
TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

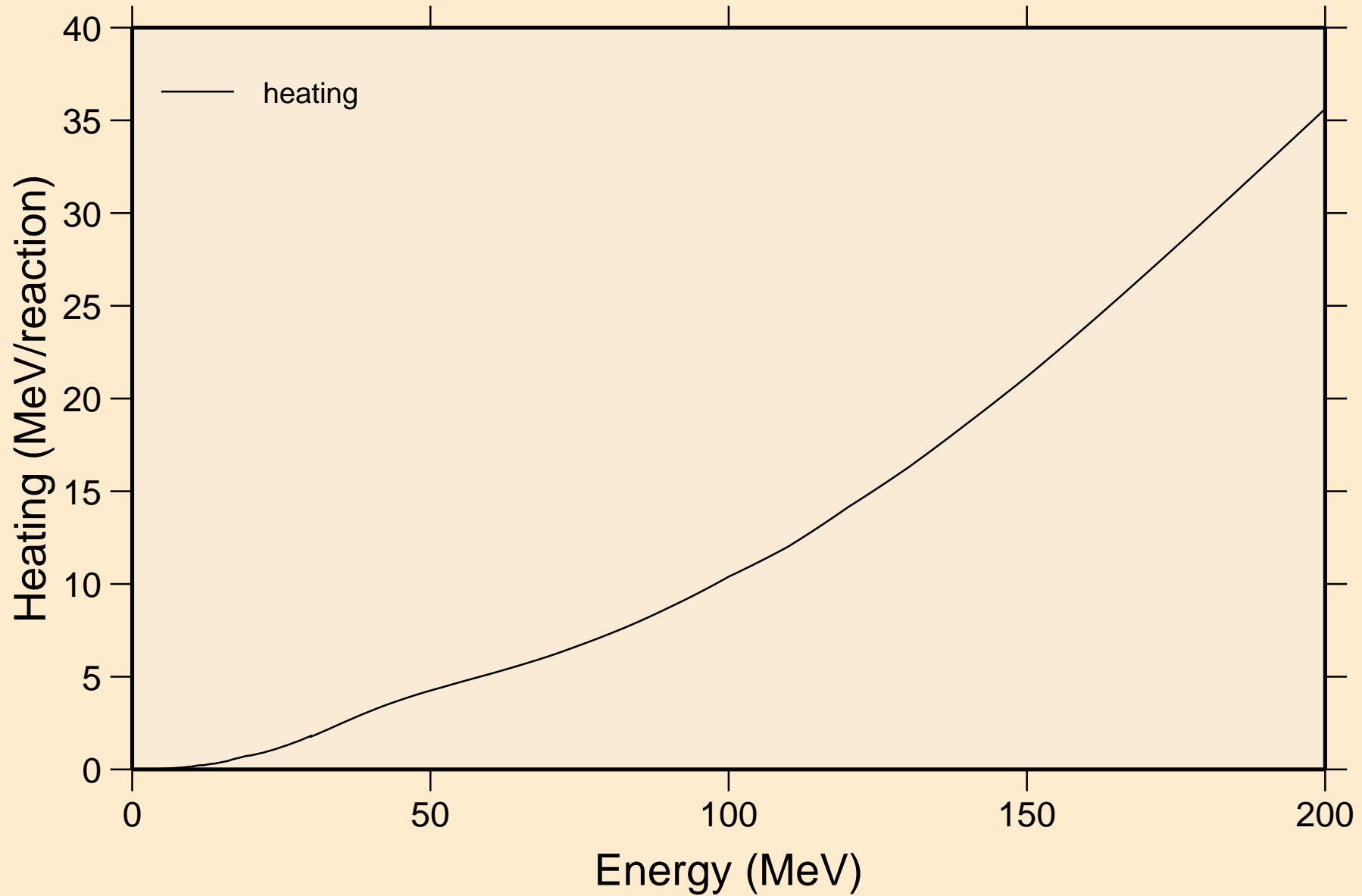


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Principal cross sections



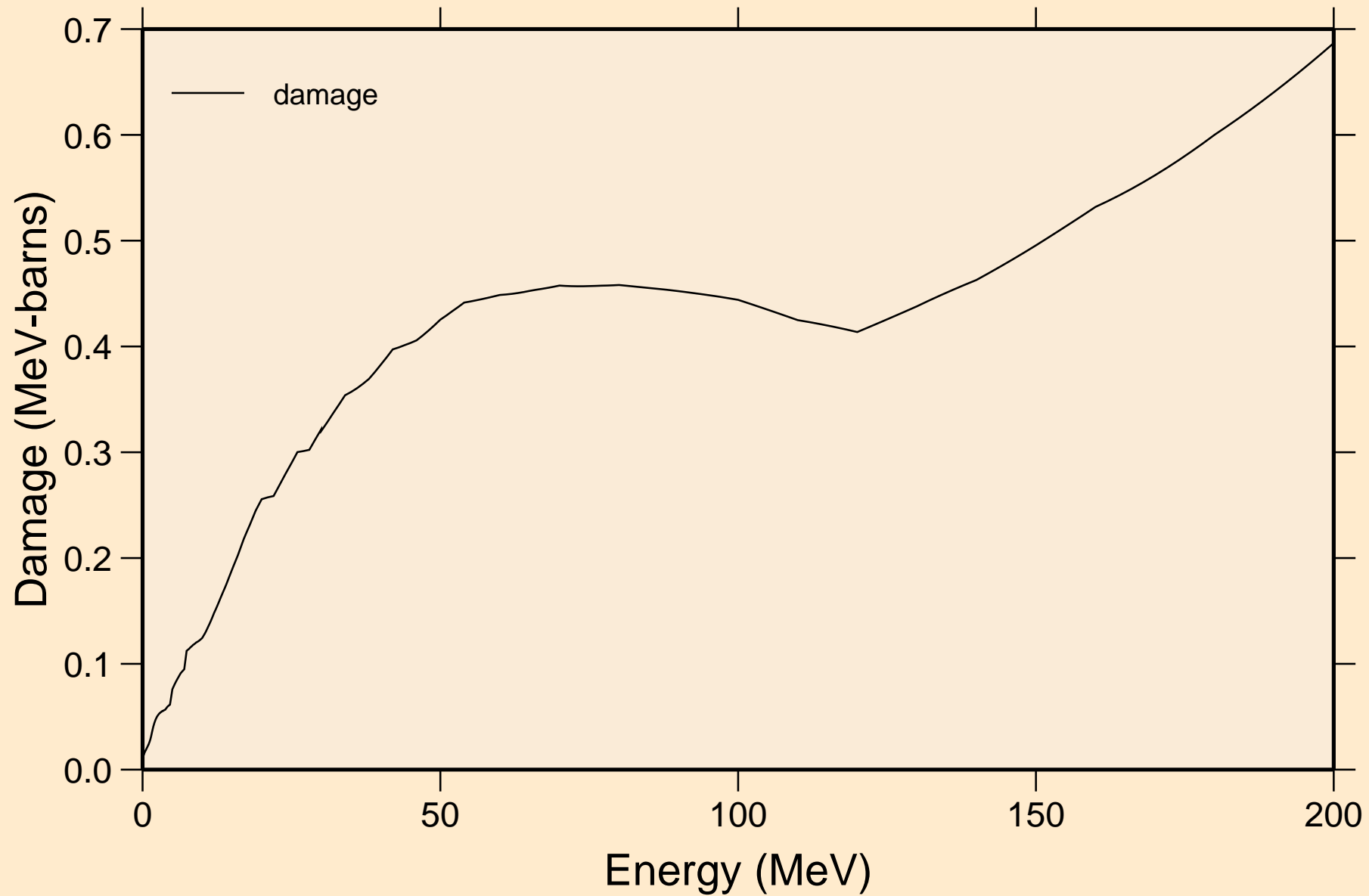
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## Heating

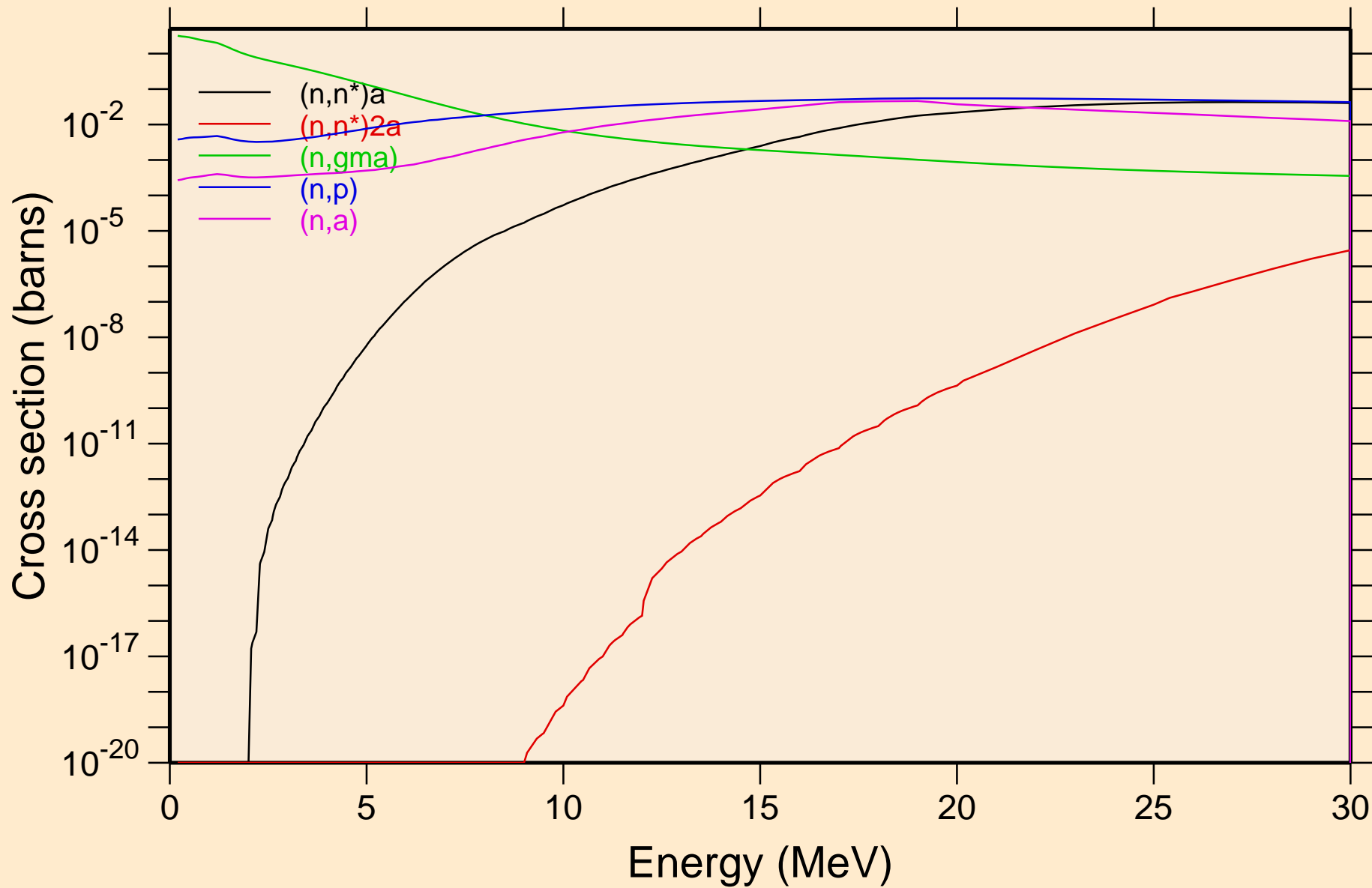




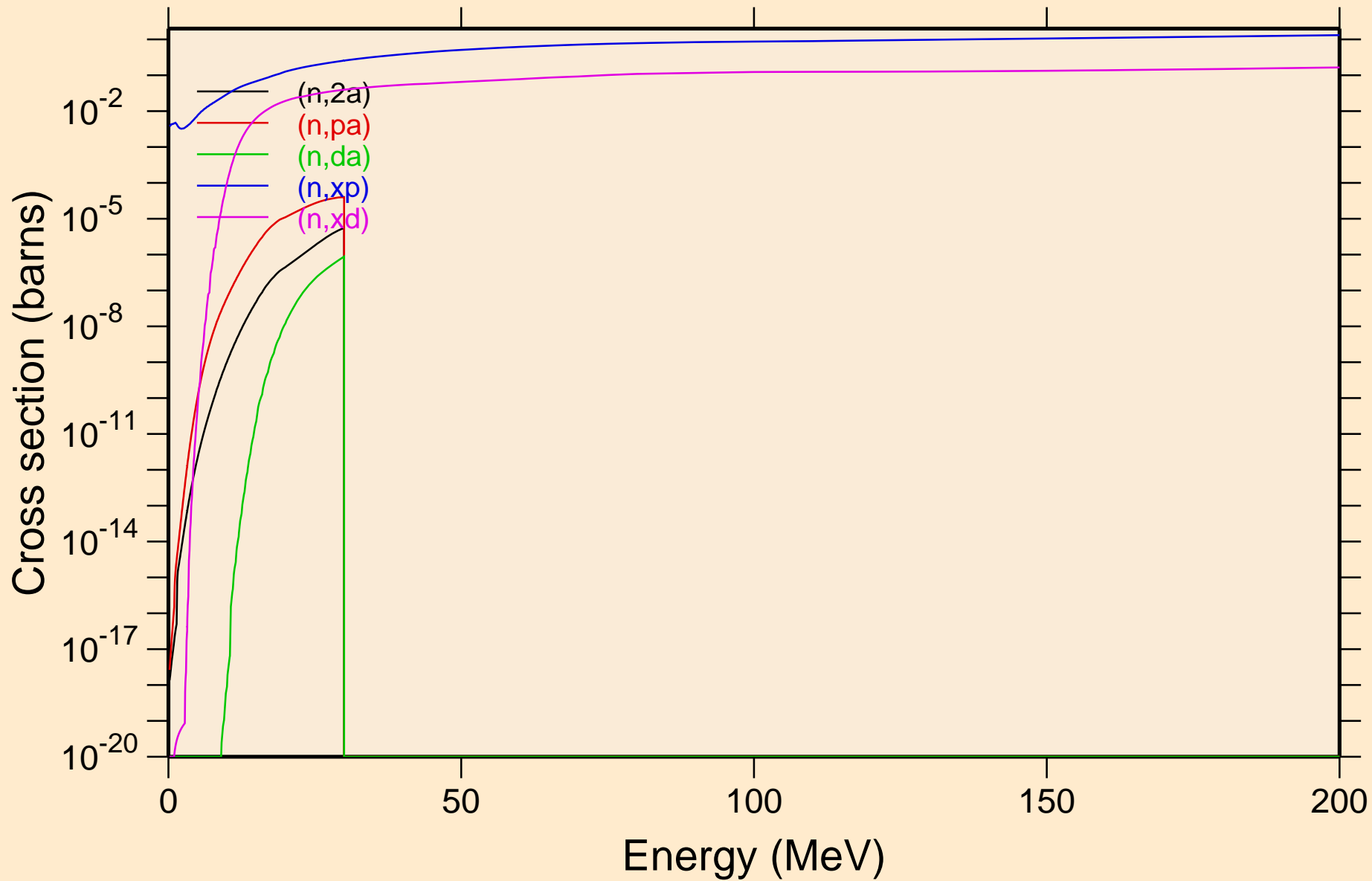
TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



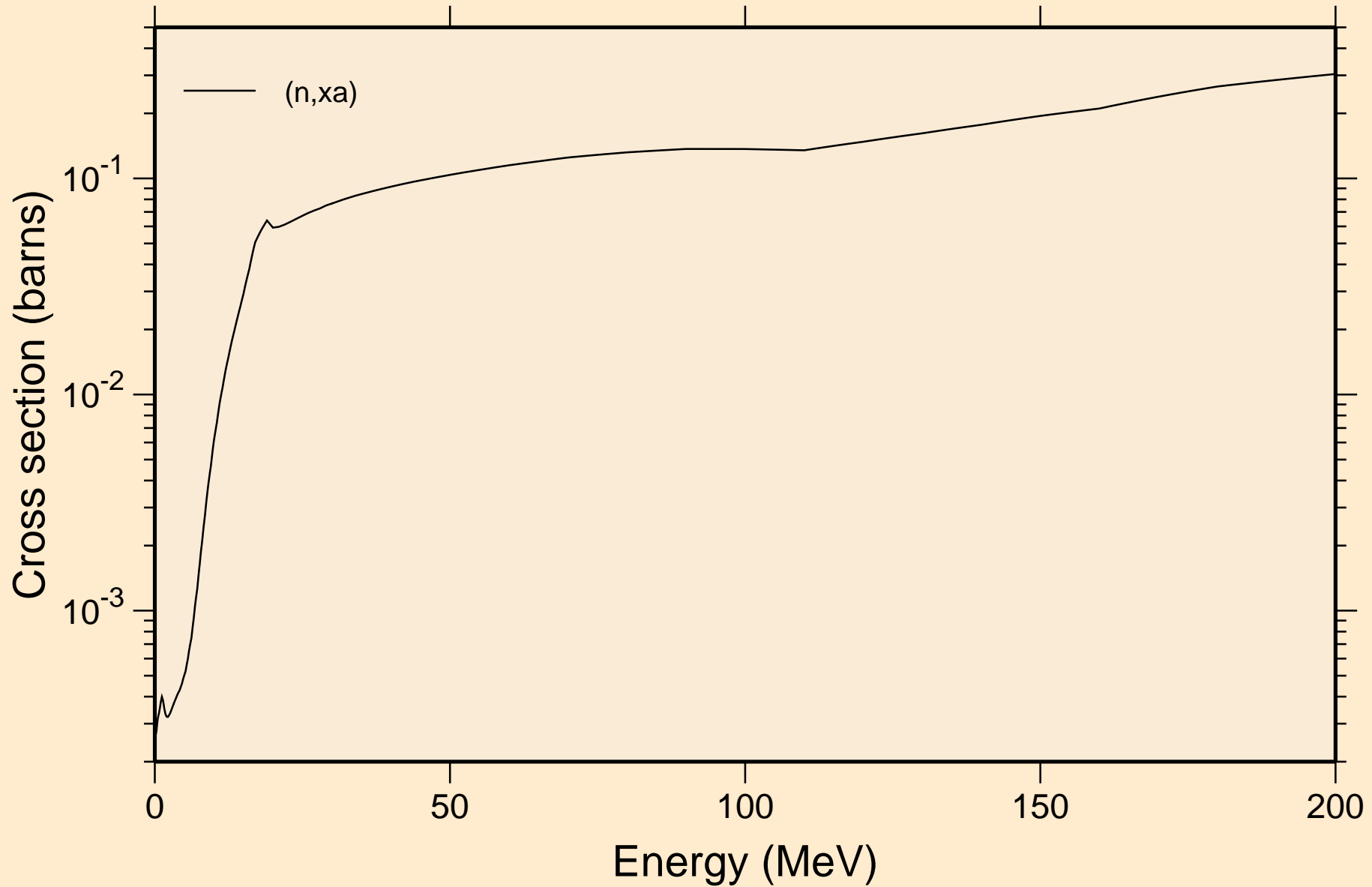
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Non-threshold reactions



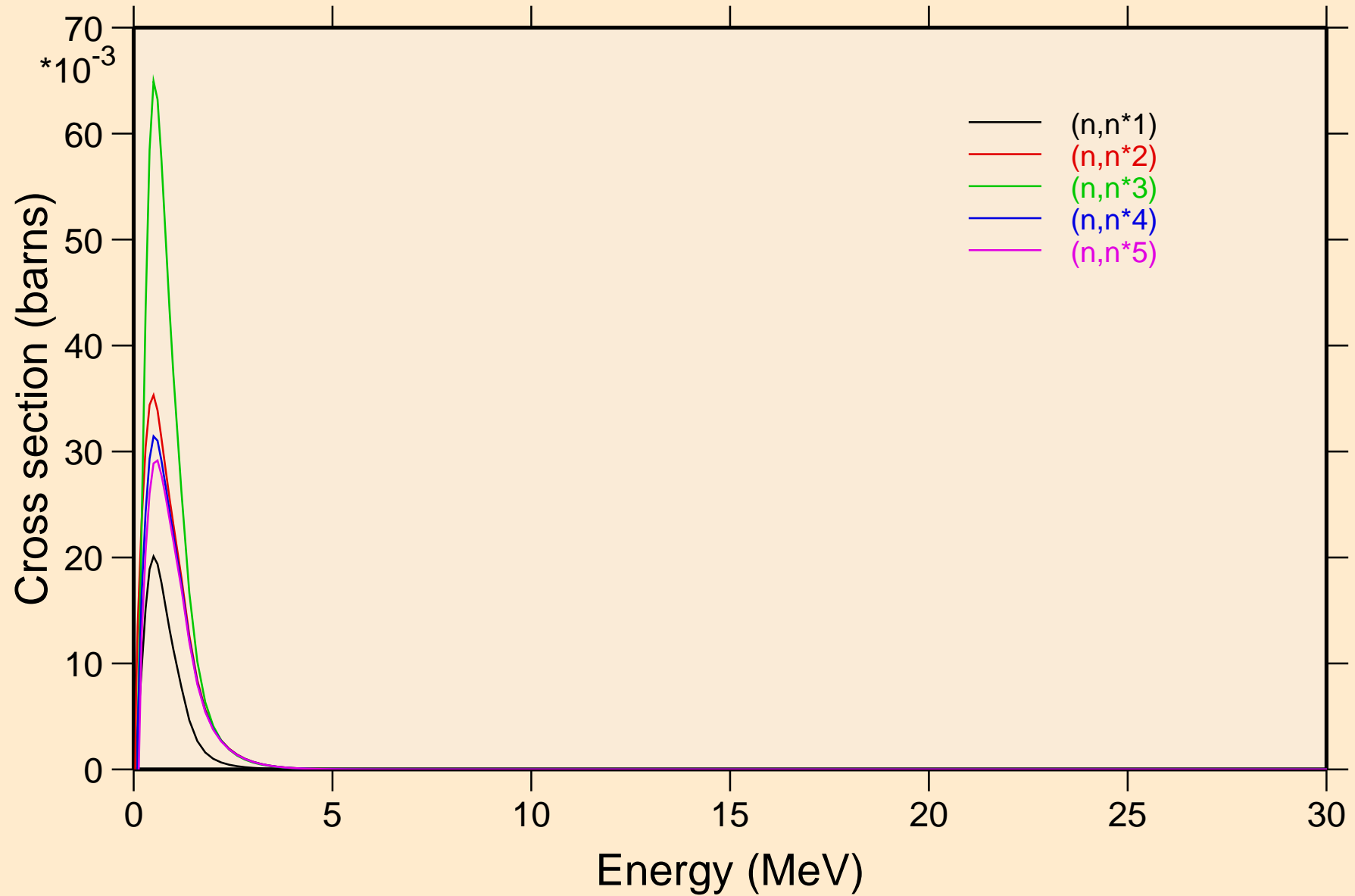
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Non-threshold reactions



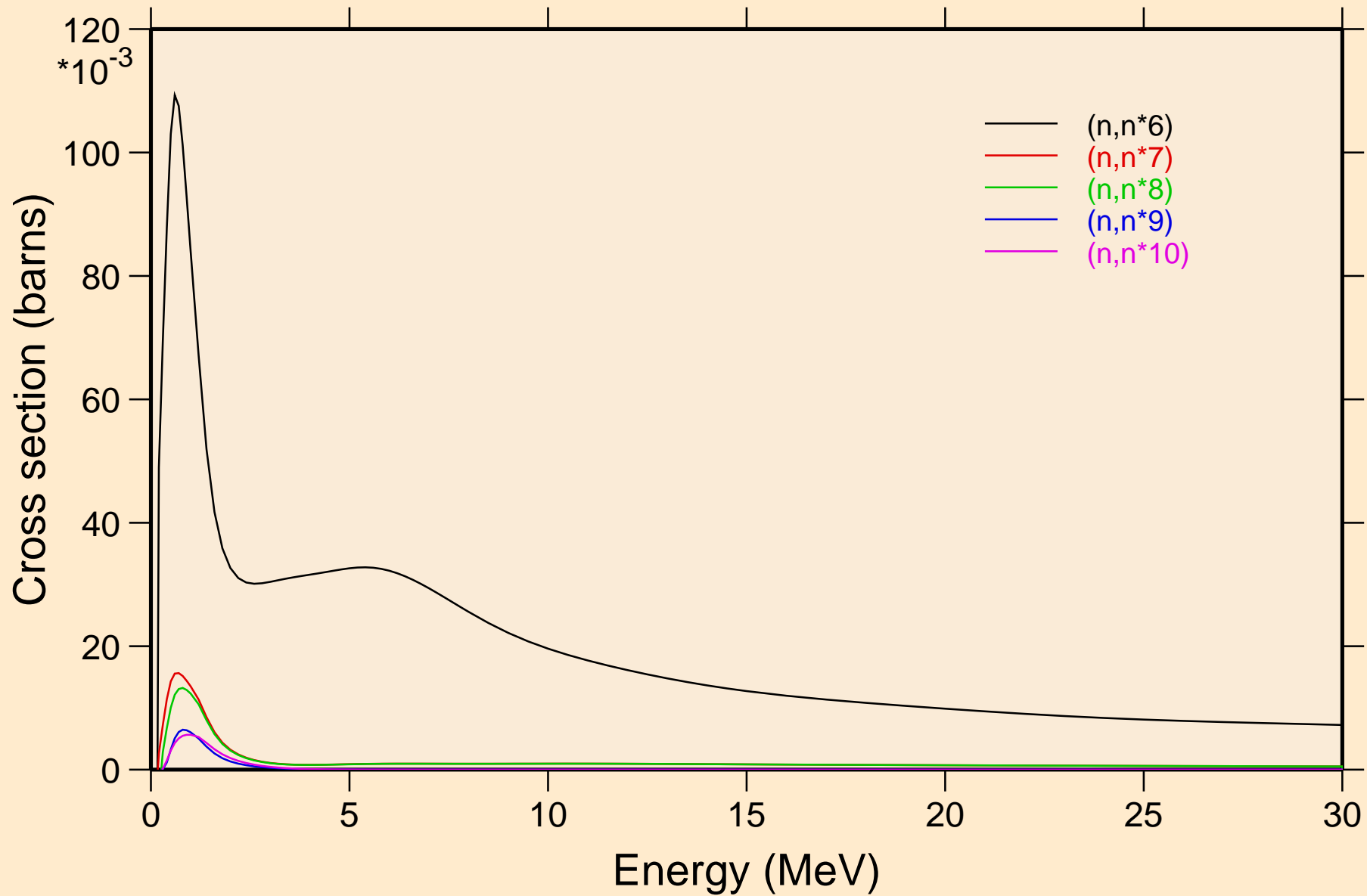
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Non-threshold reactions



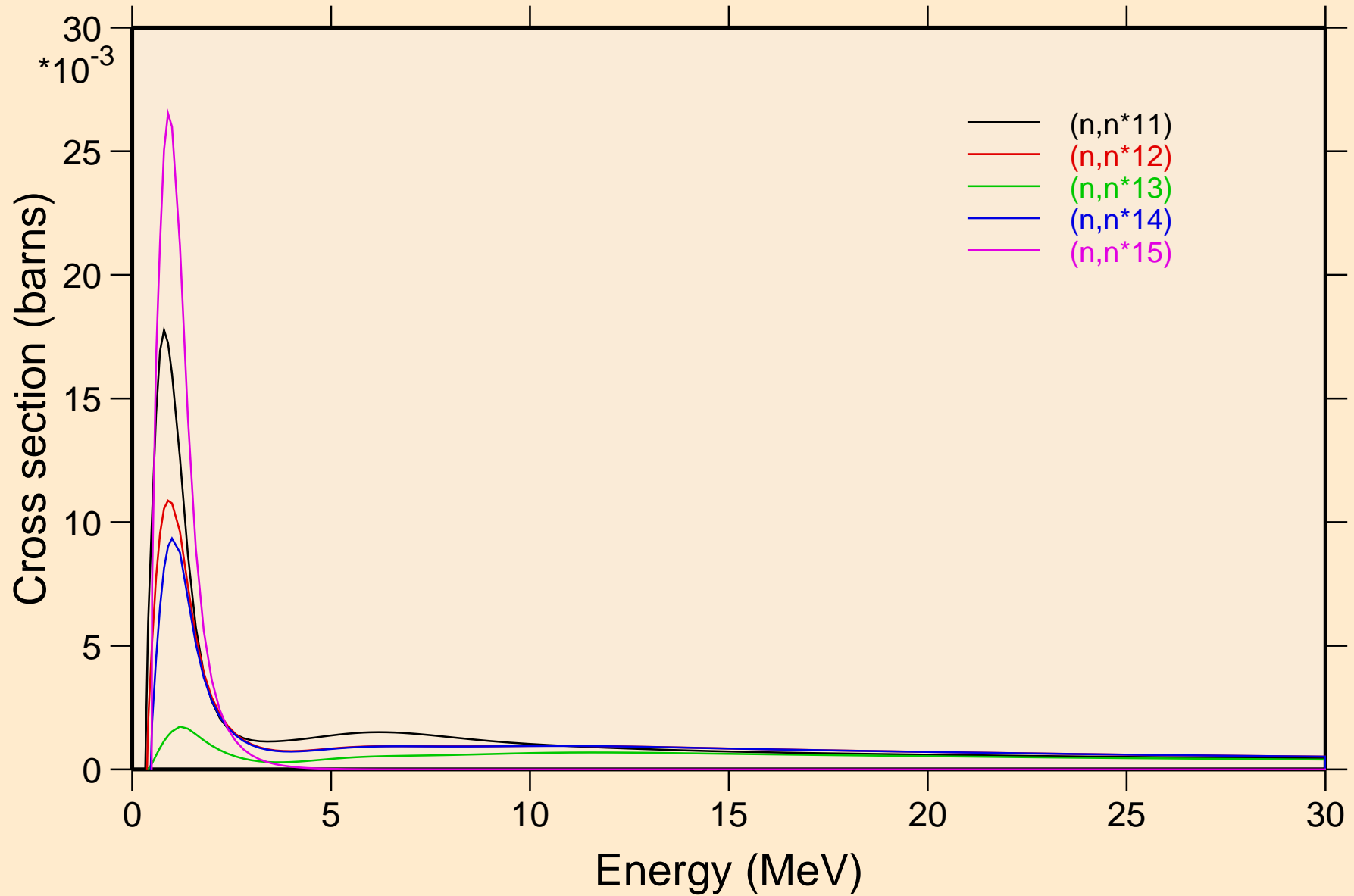
TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



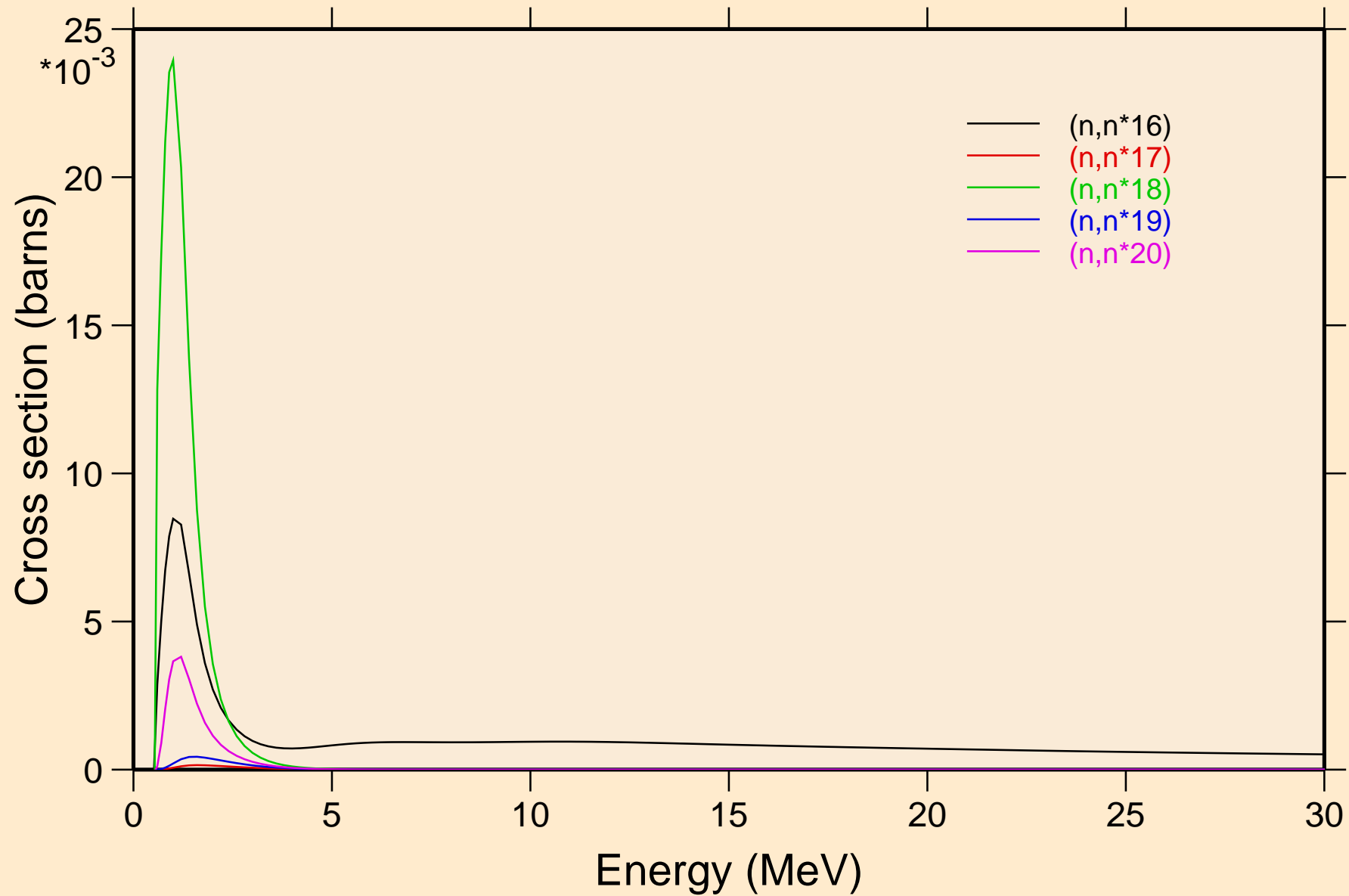
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Inelastic levels



TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

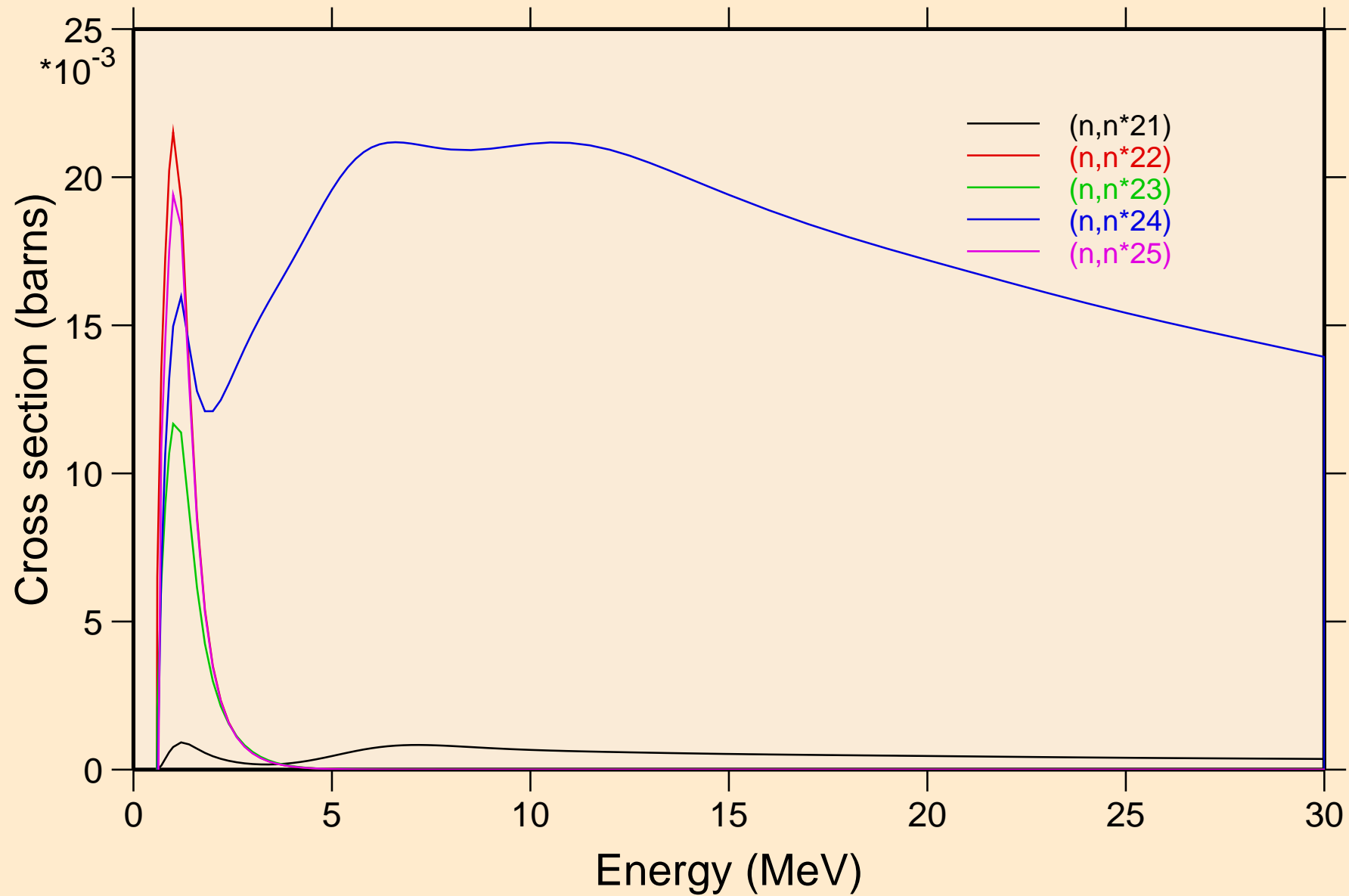


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Inelastic levels

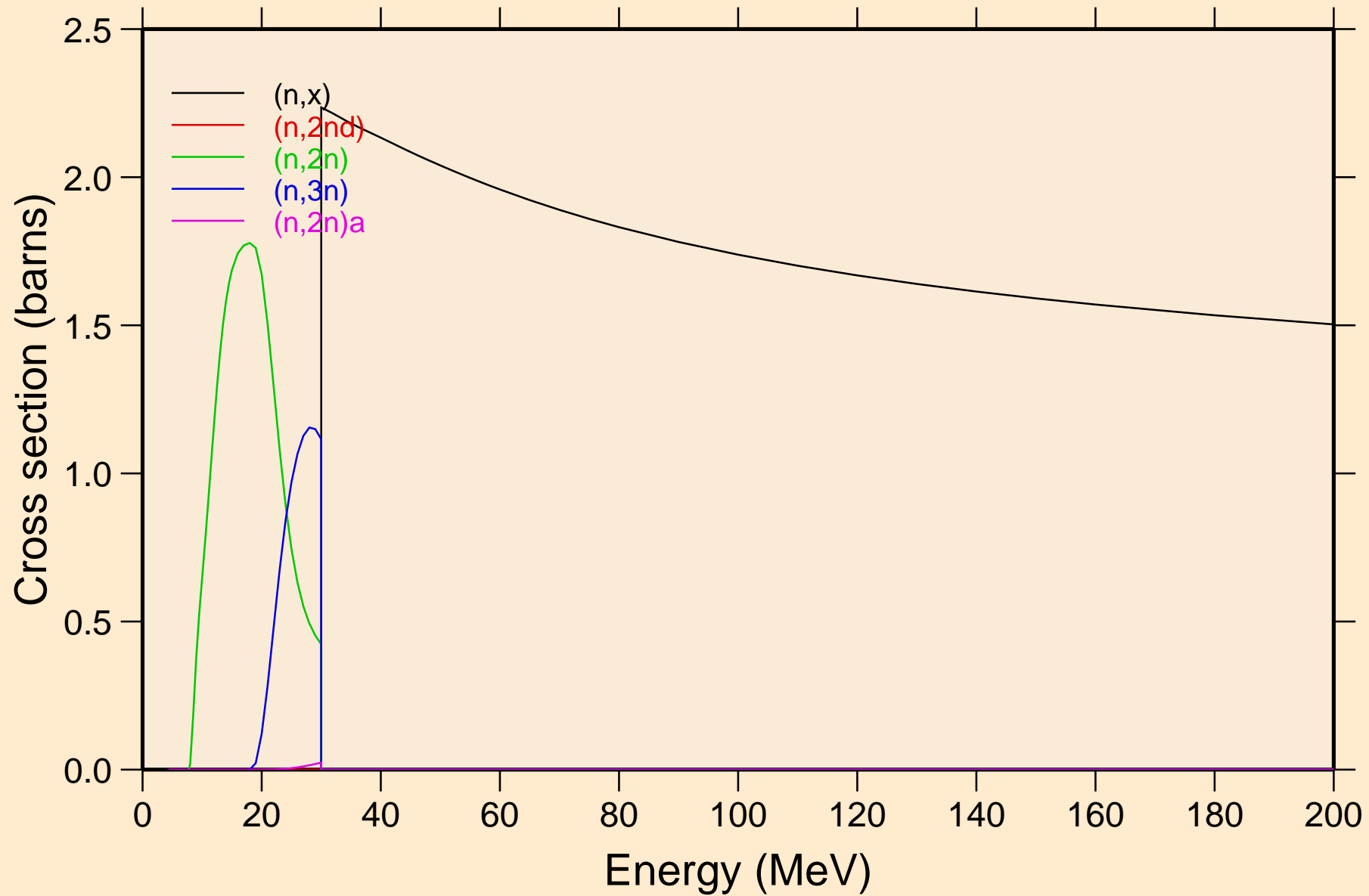




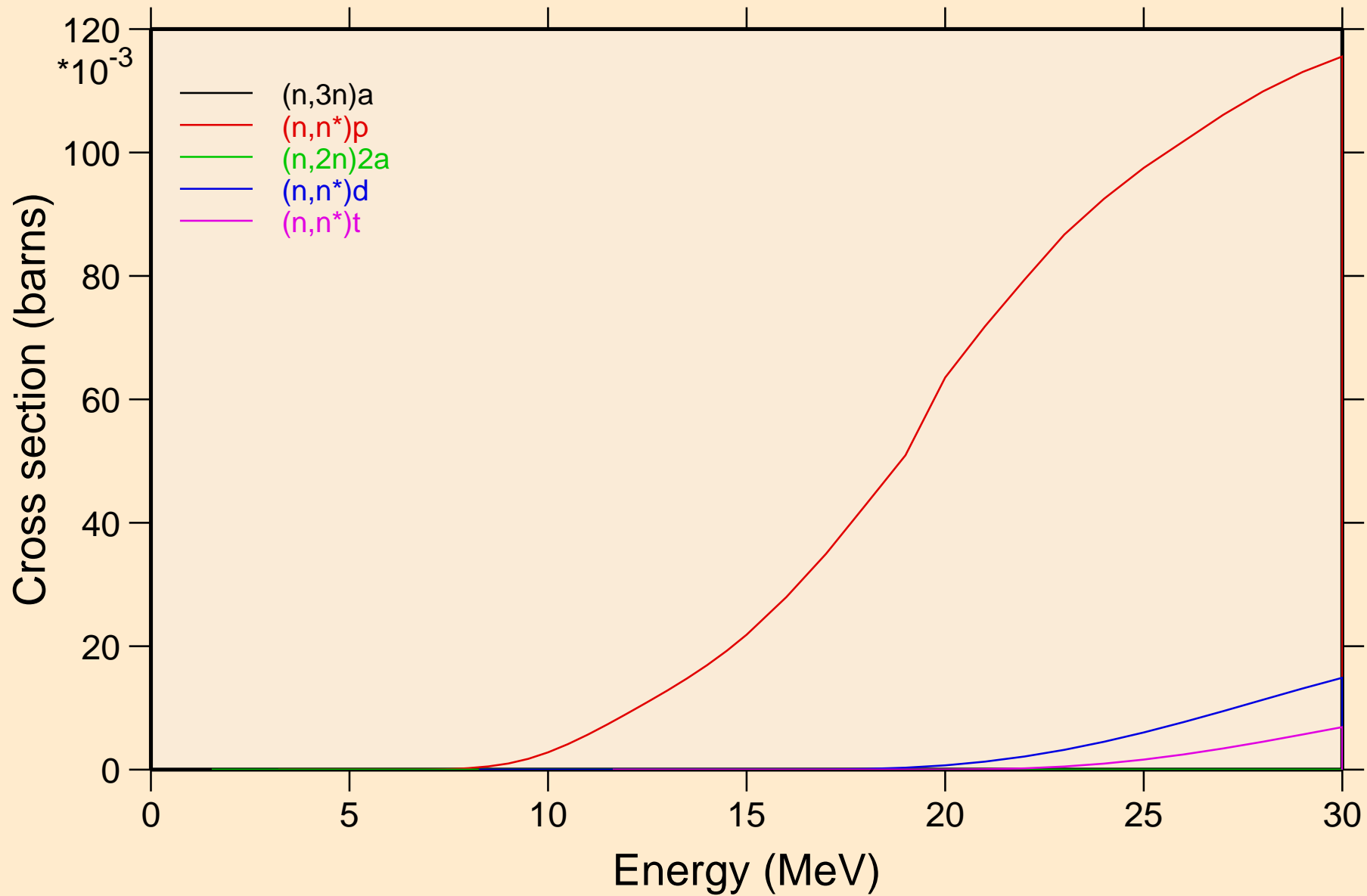
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Inelastic levels



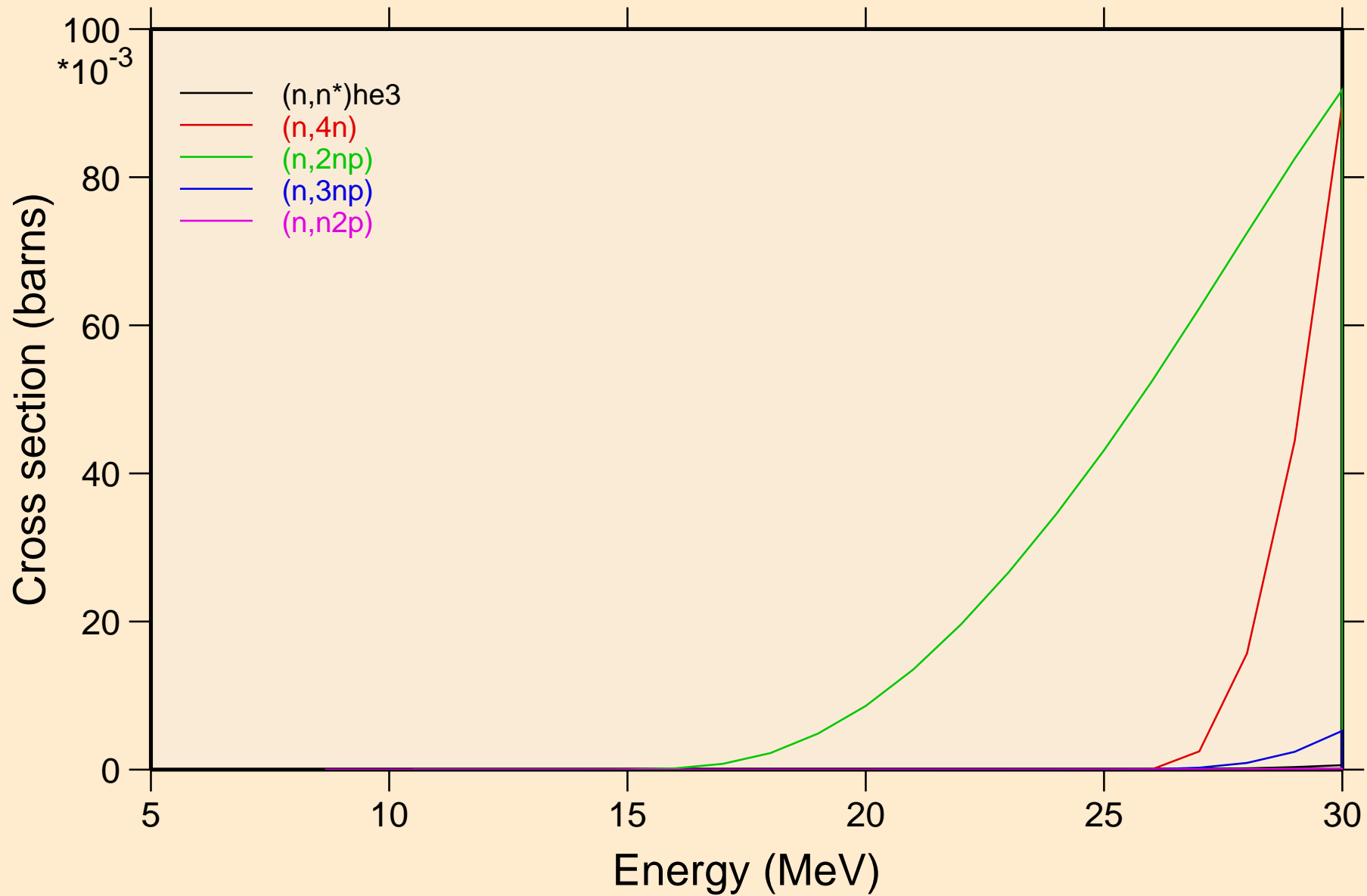
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Threshold reactions



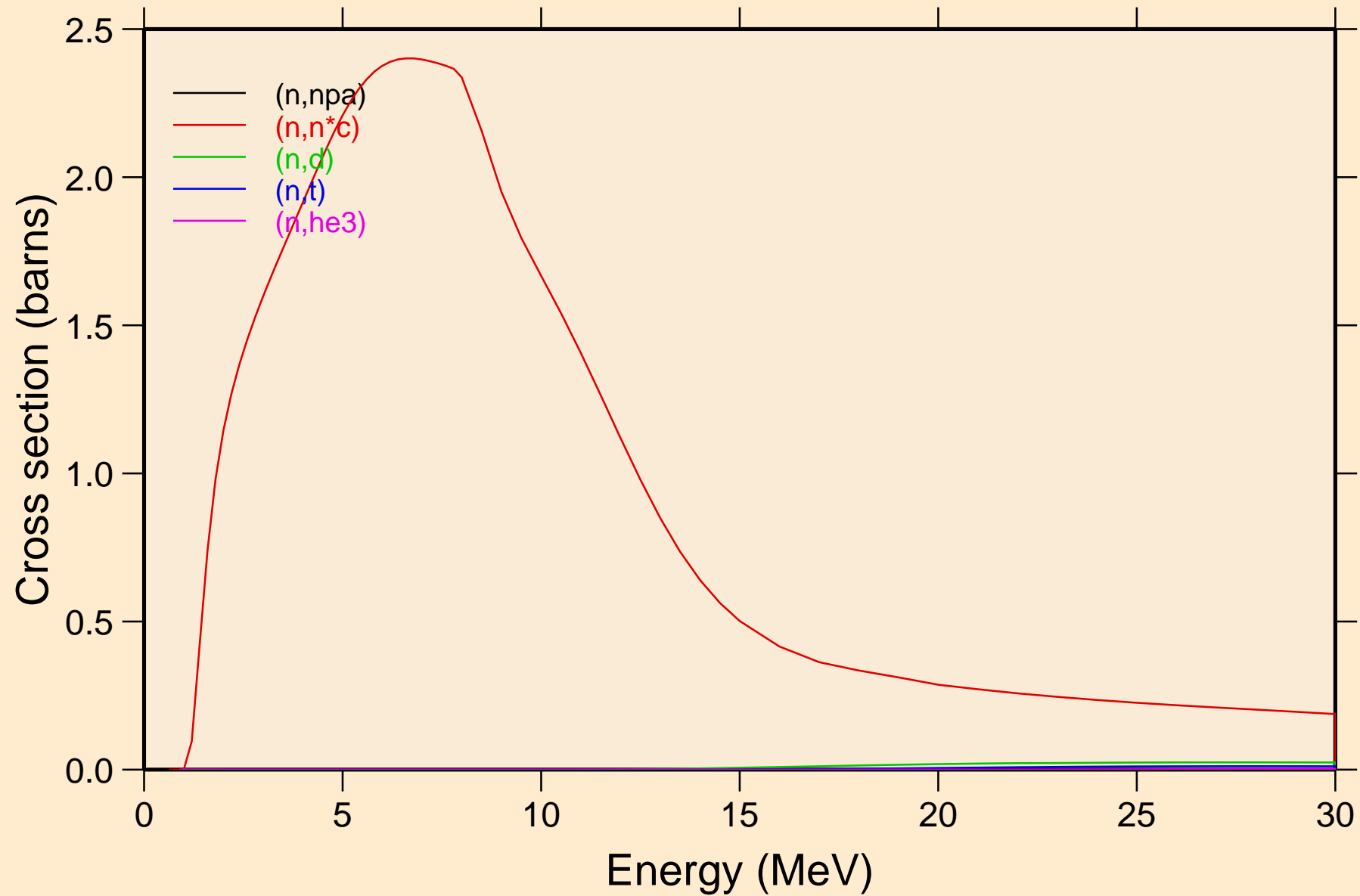
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Threshold reactions



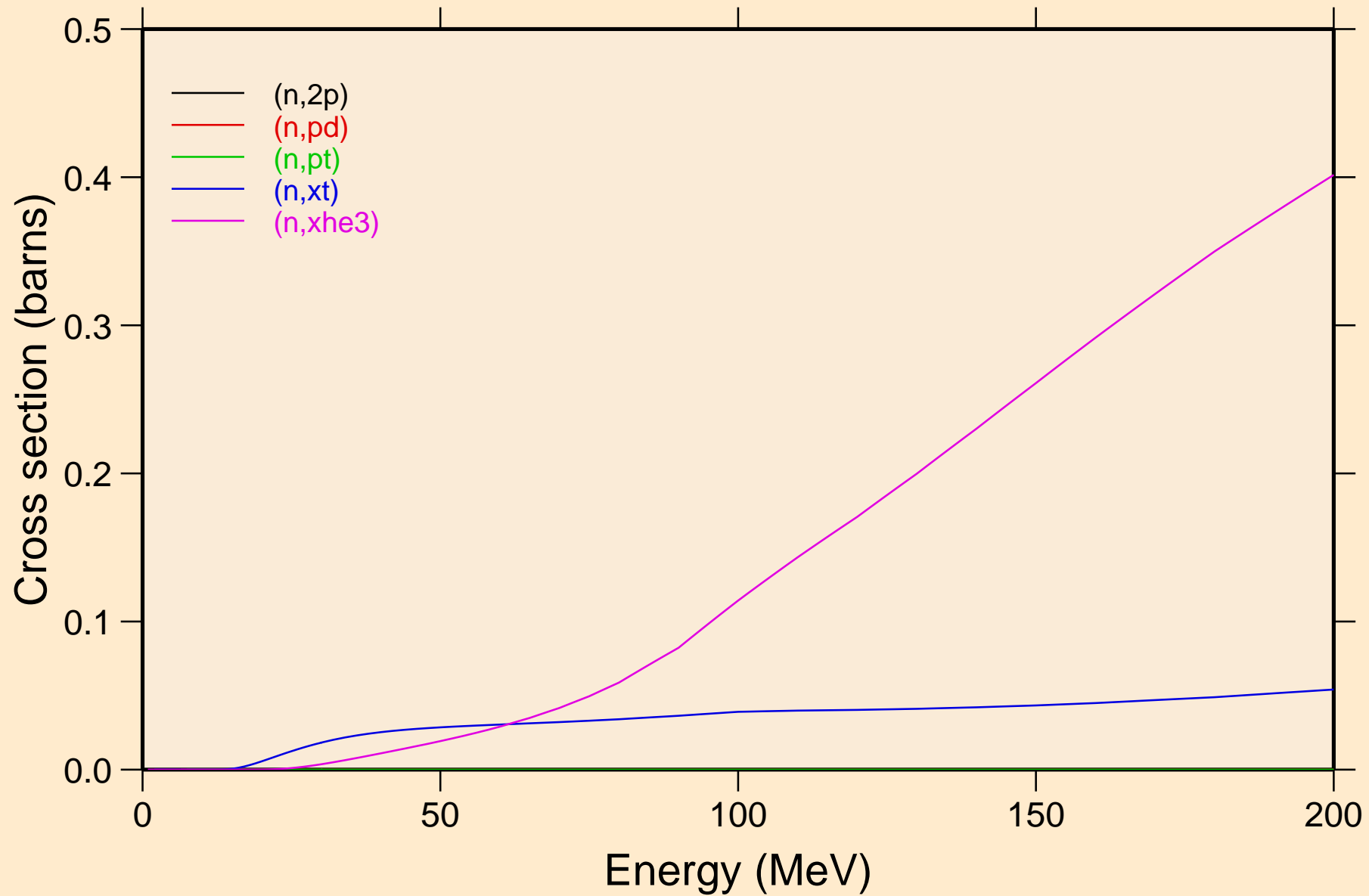
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Threshold reactions



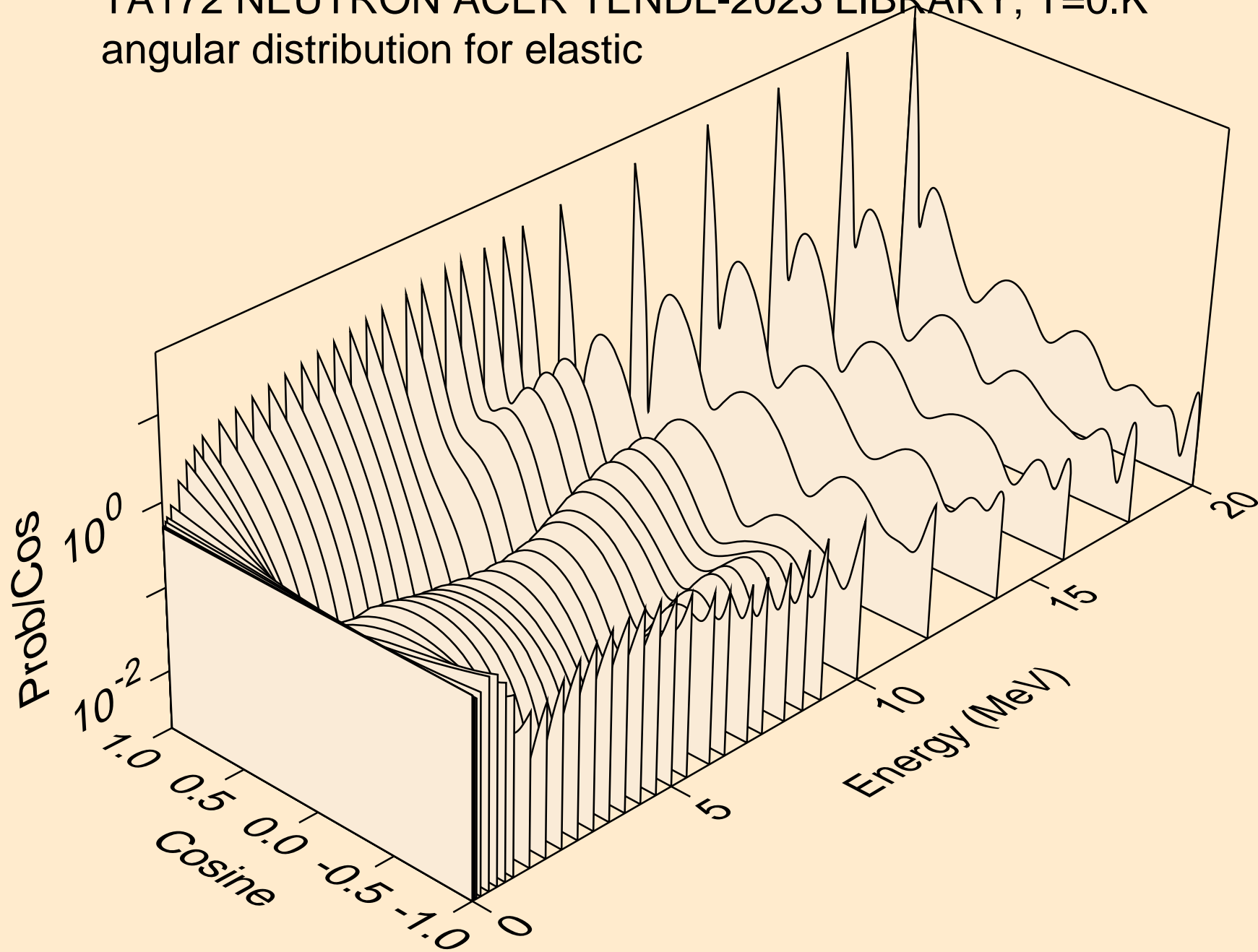
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Threshold reactions



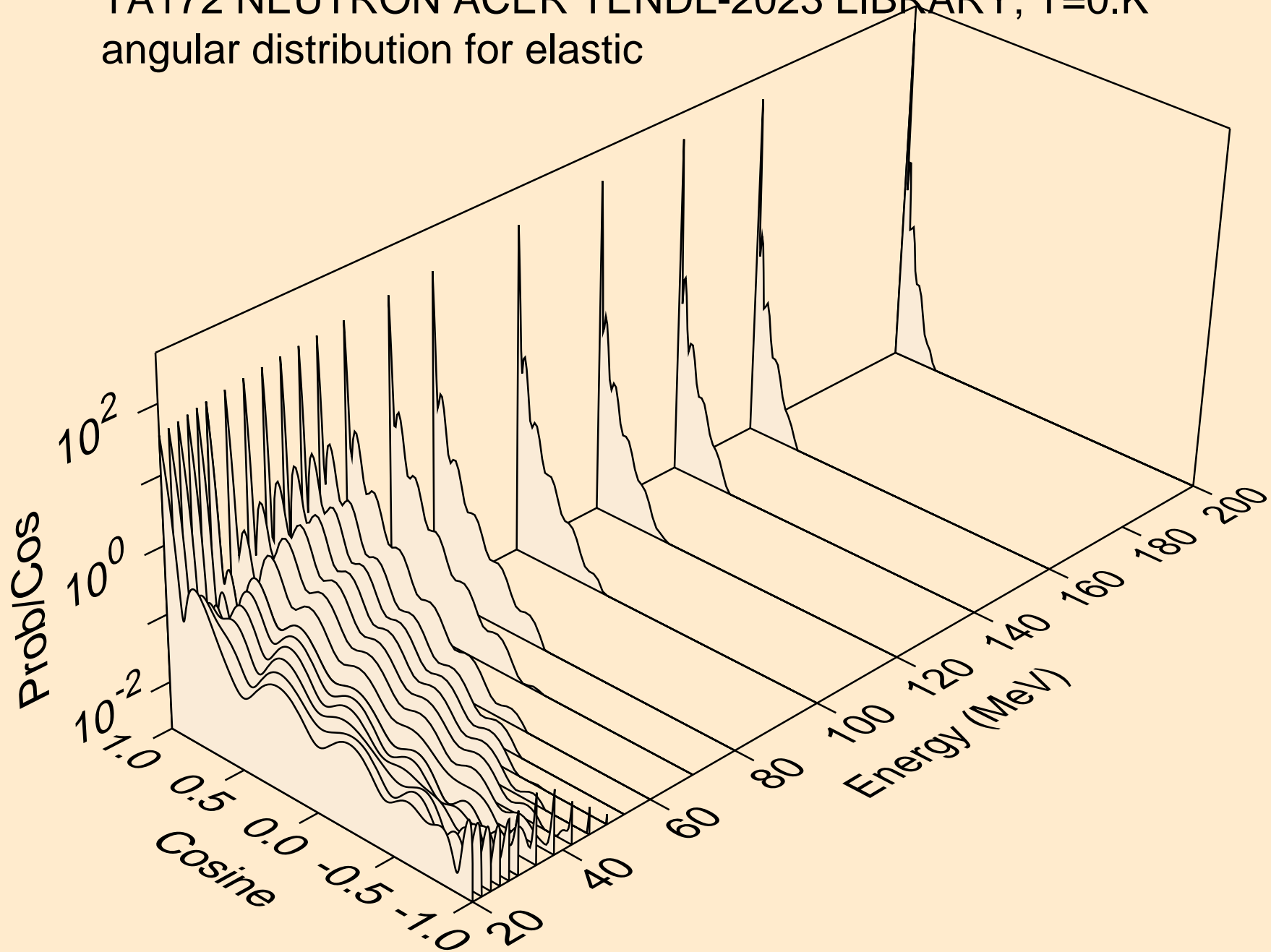
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Threshold reactions



TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

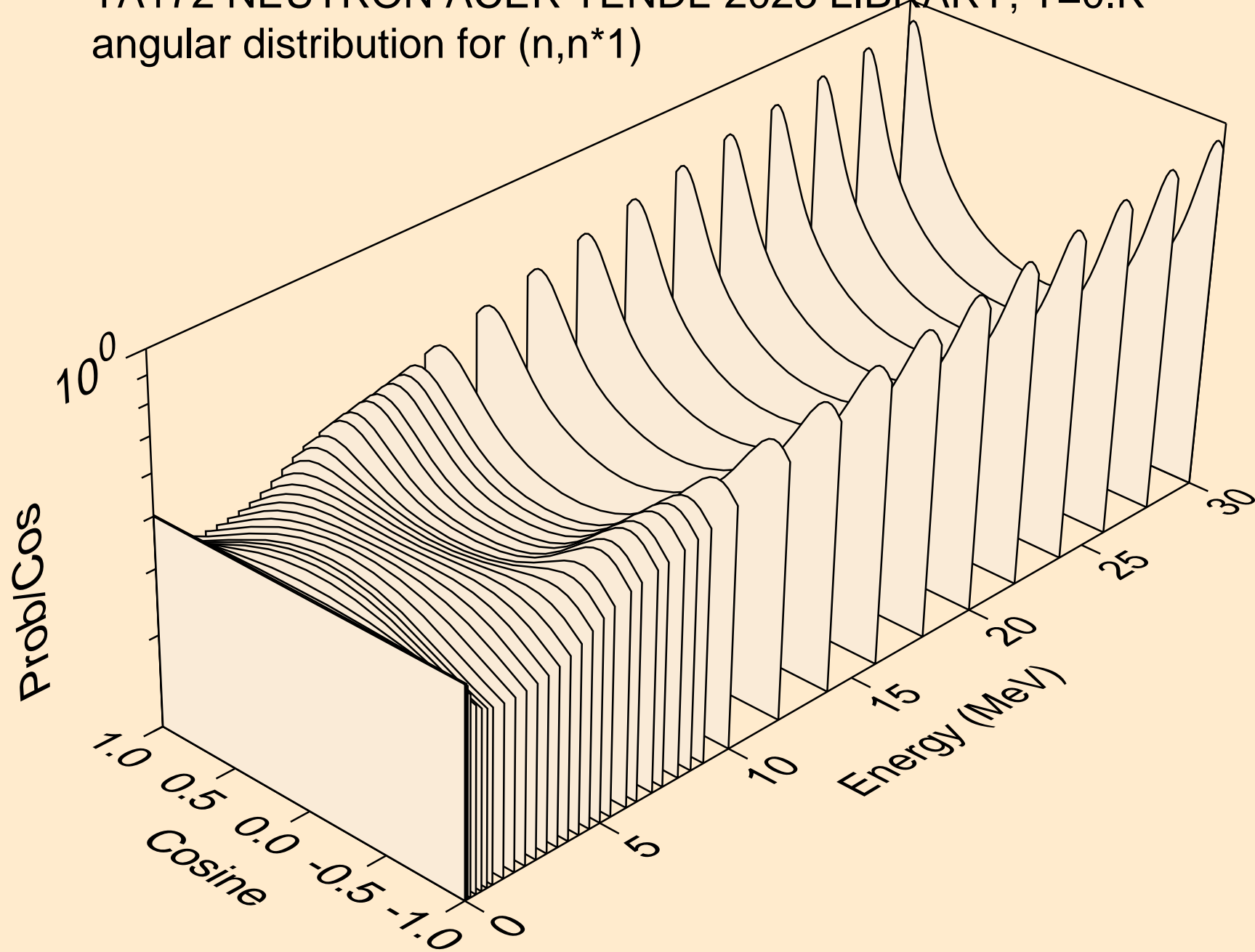


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angular distribution for elastic

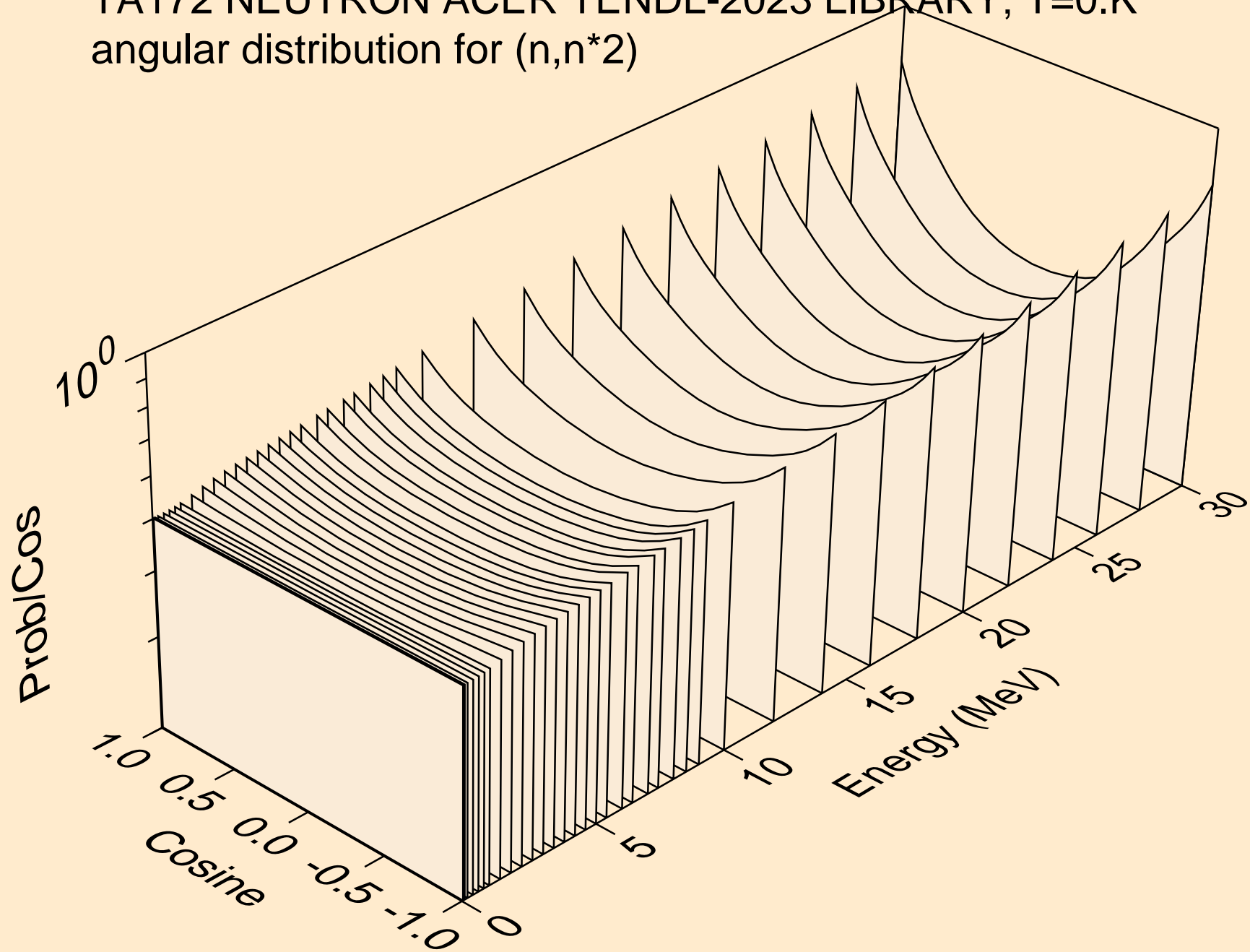




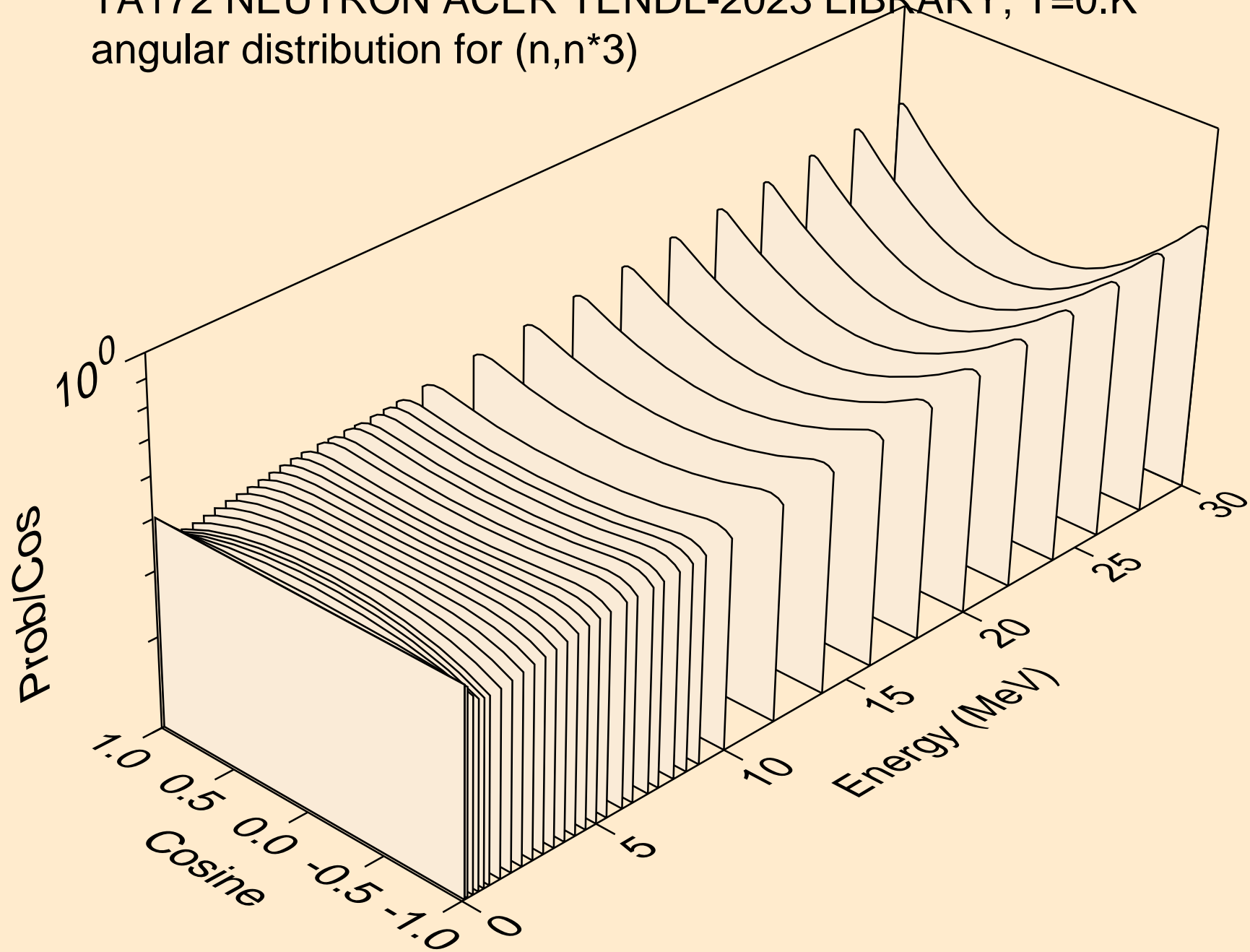
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angular distribution for (n,n\*1)



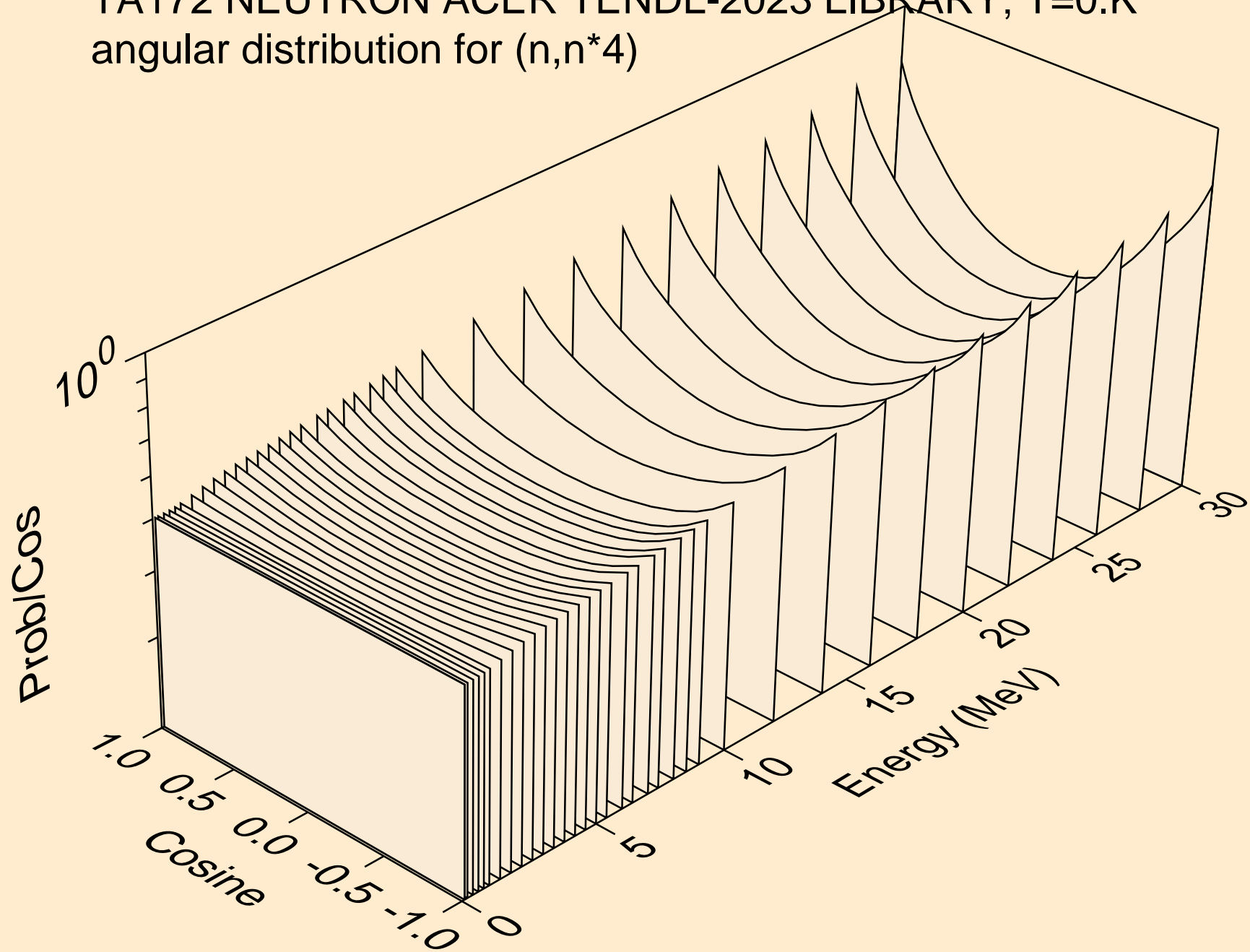
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angular distribution for (n,n\*2)



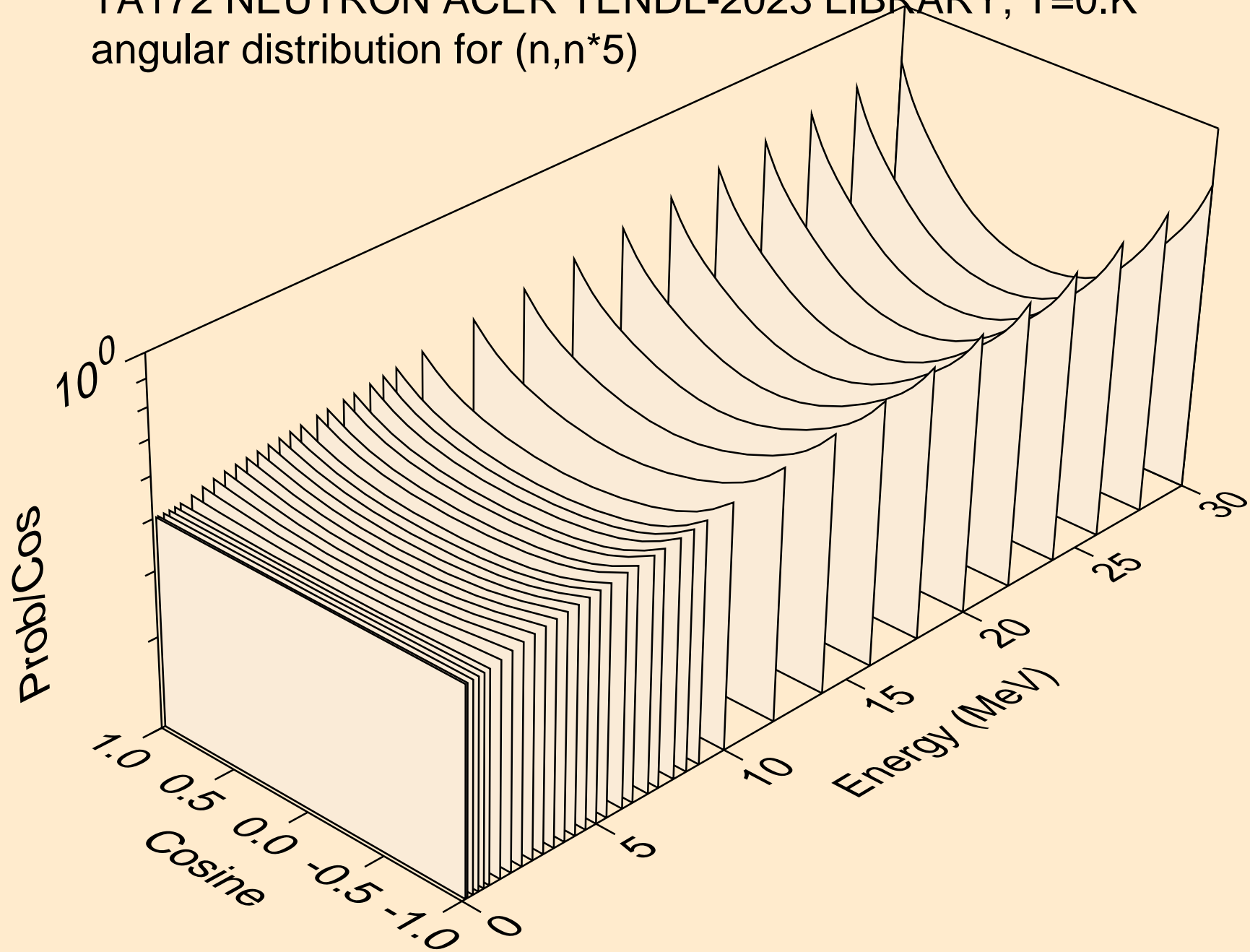
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angular distribution for (n,n\*3)



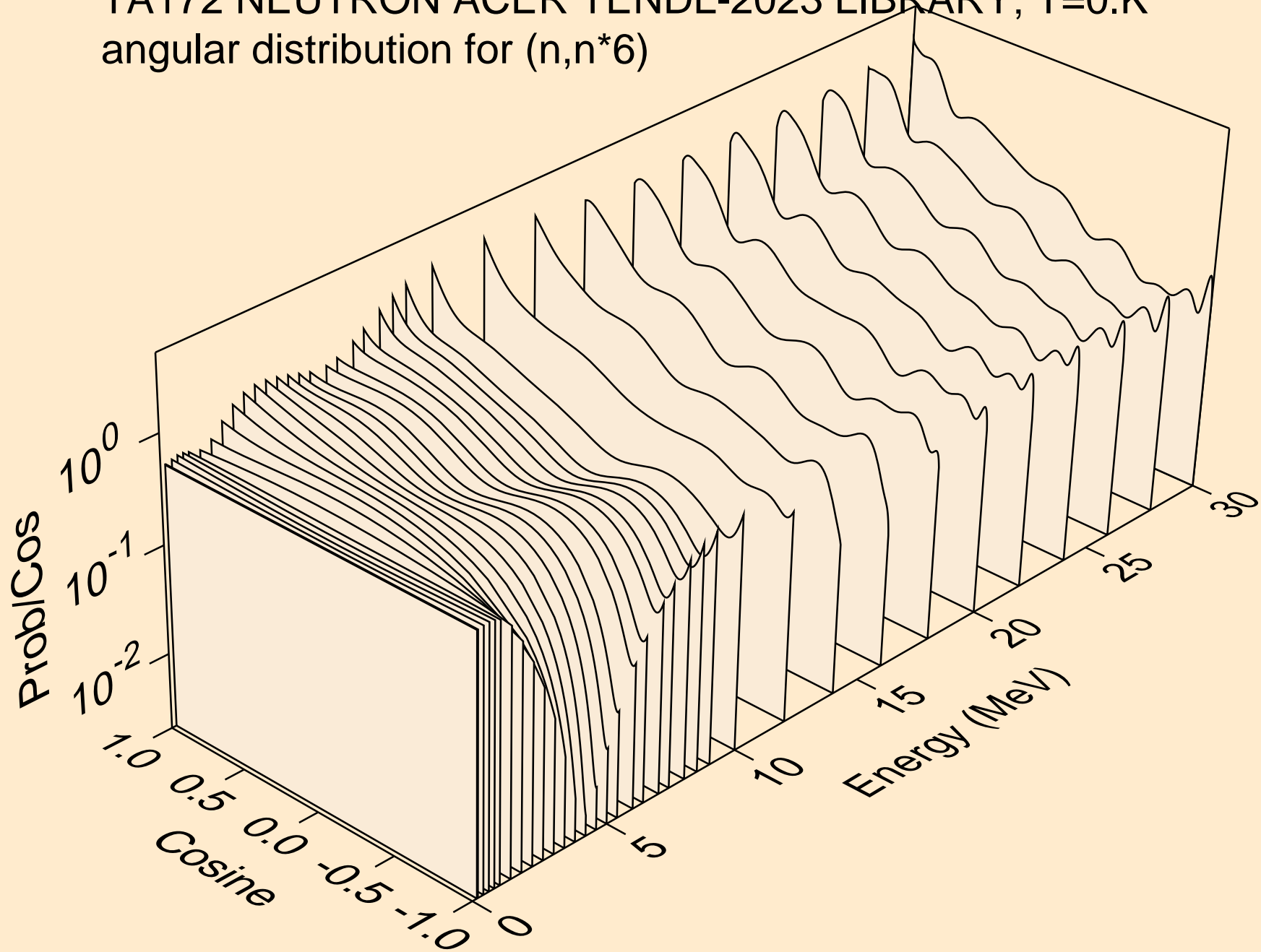
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angular distribution for (n,n\*4)



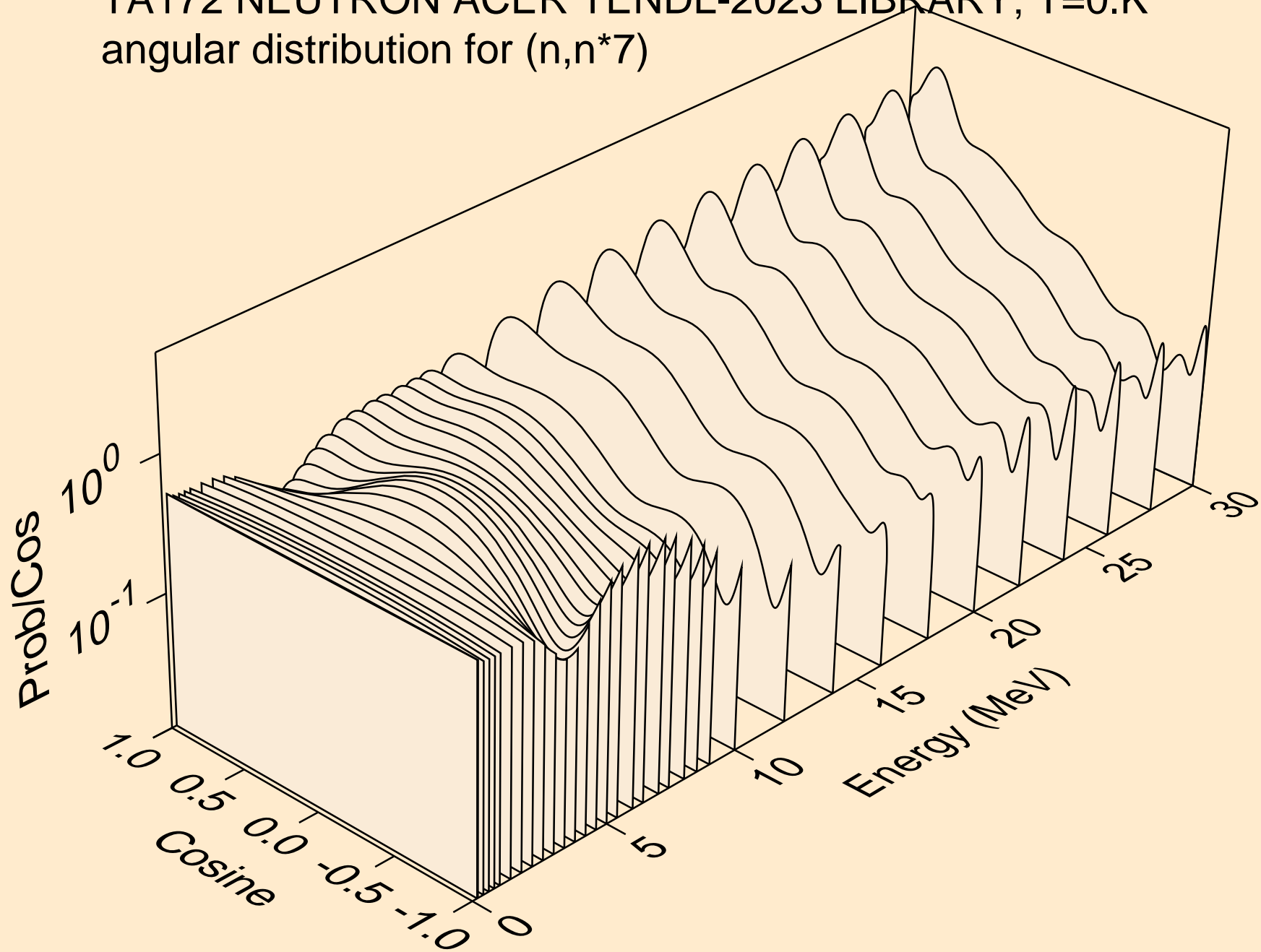
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angular distribution for (n,n\*5)



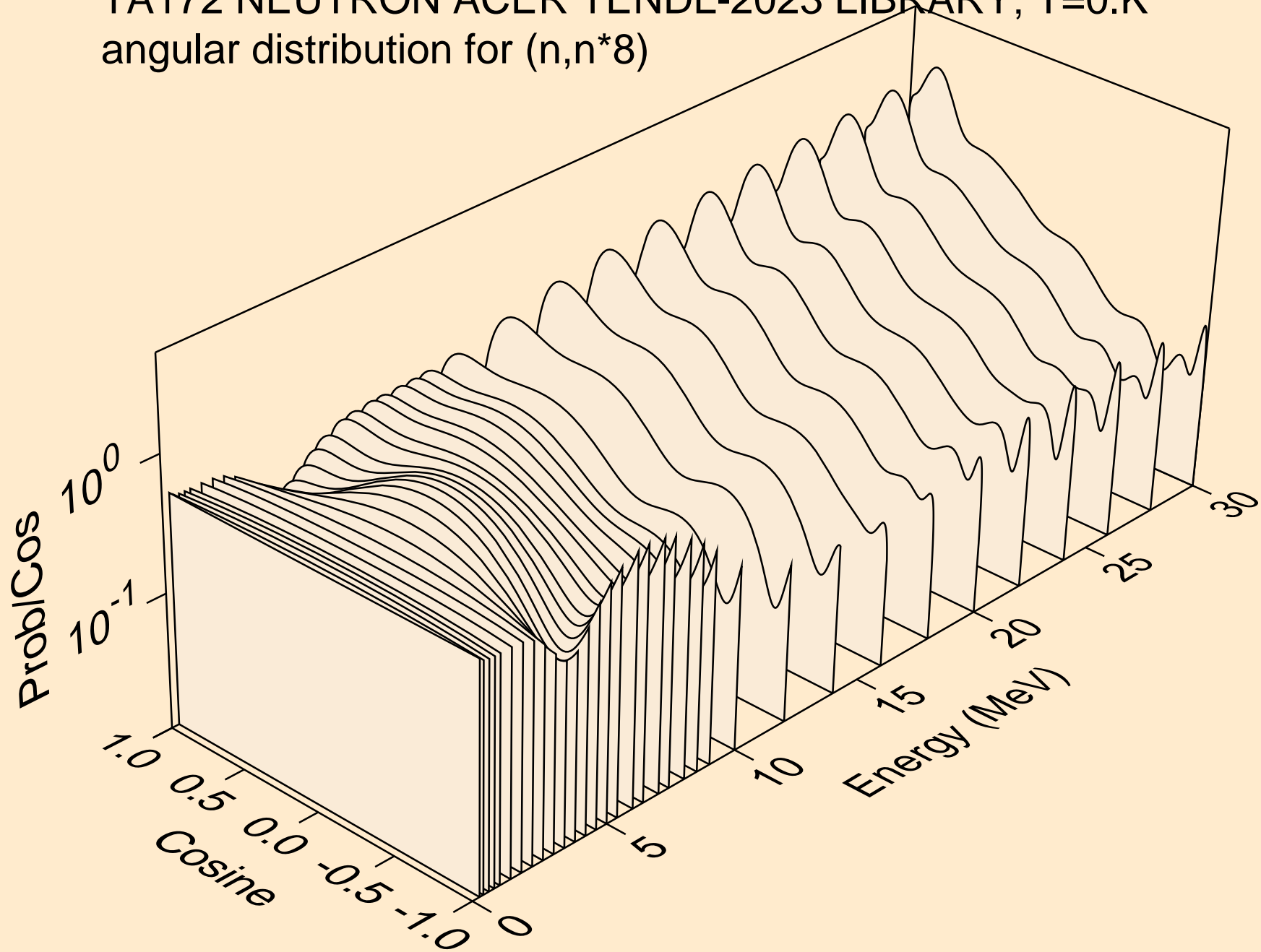
TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)

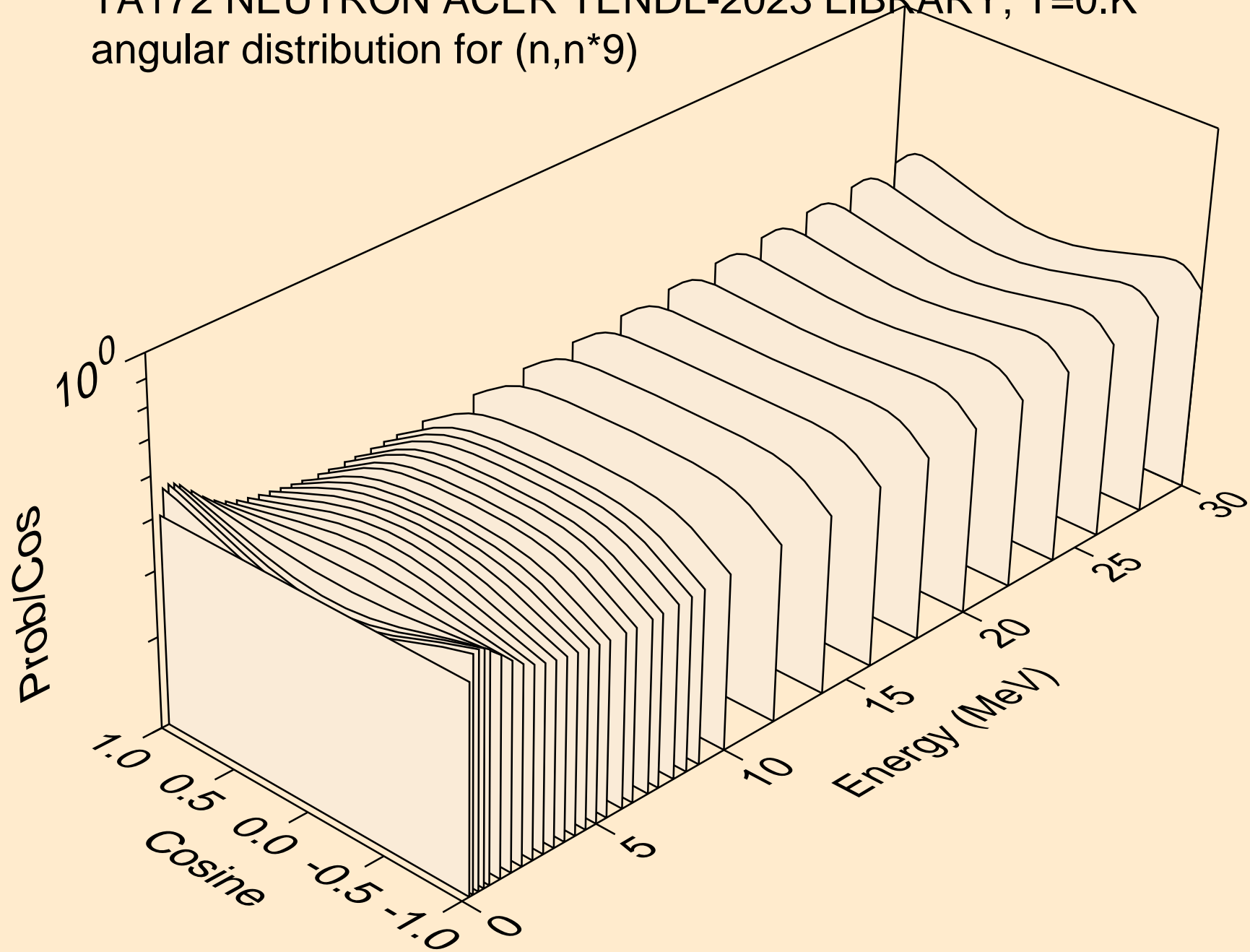


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angular distribution for (n,n\*8)

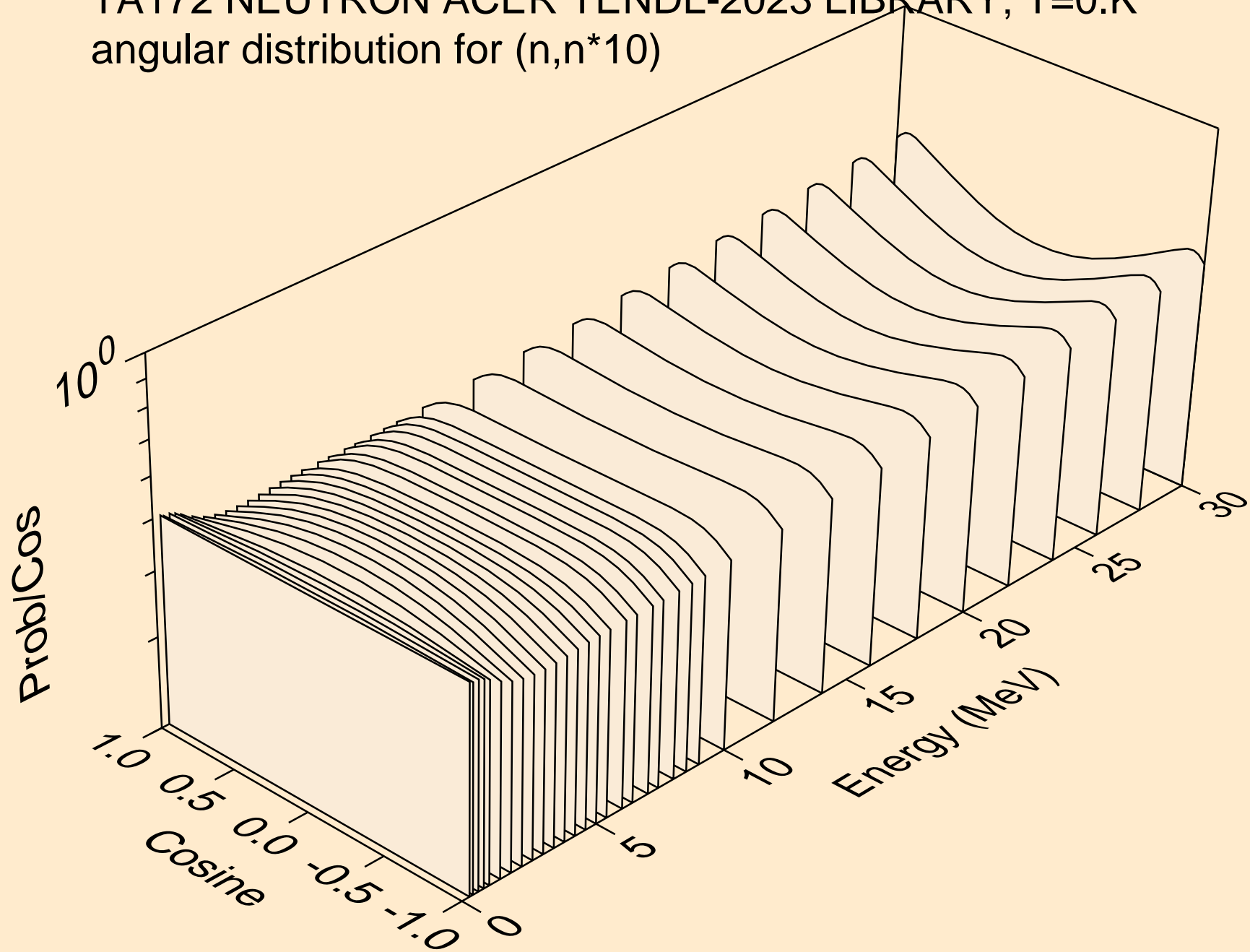




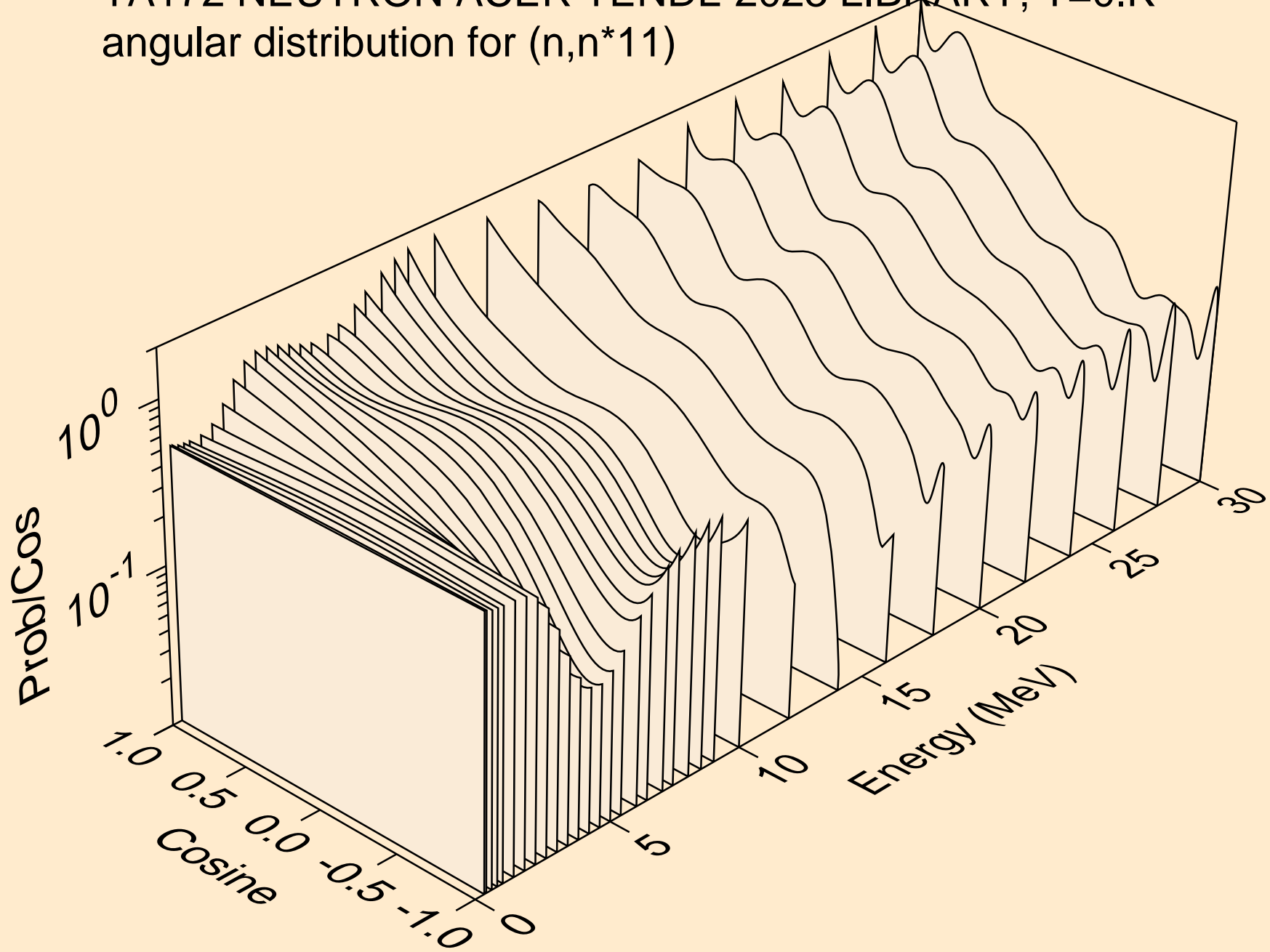
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angular distribution for (n,n\*9)



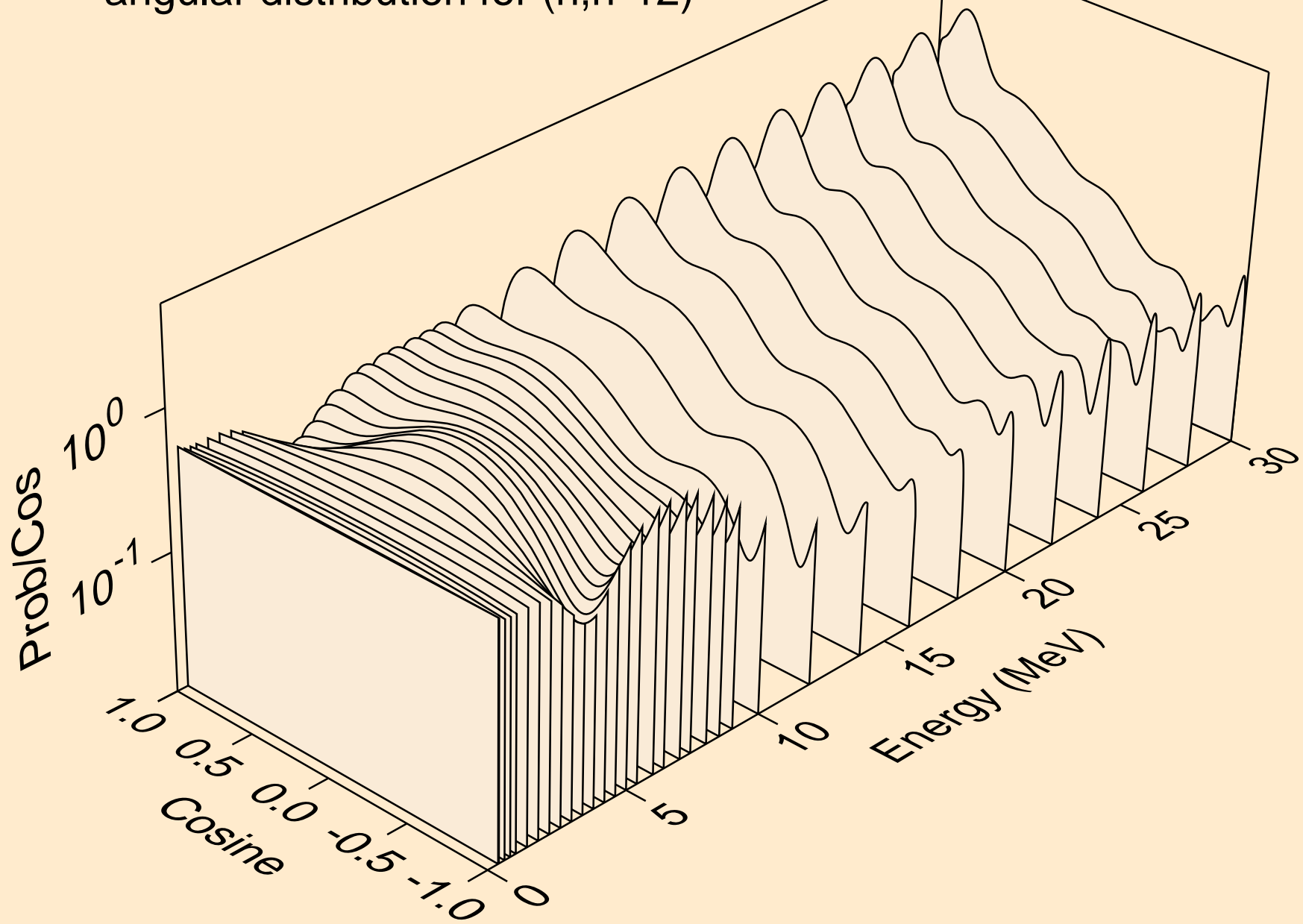
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angular distribution for (n,n\*10)



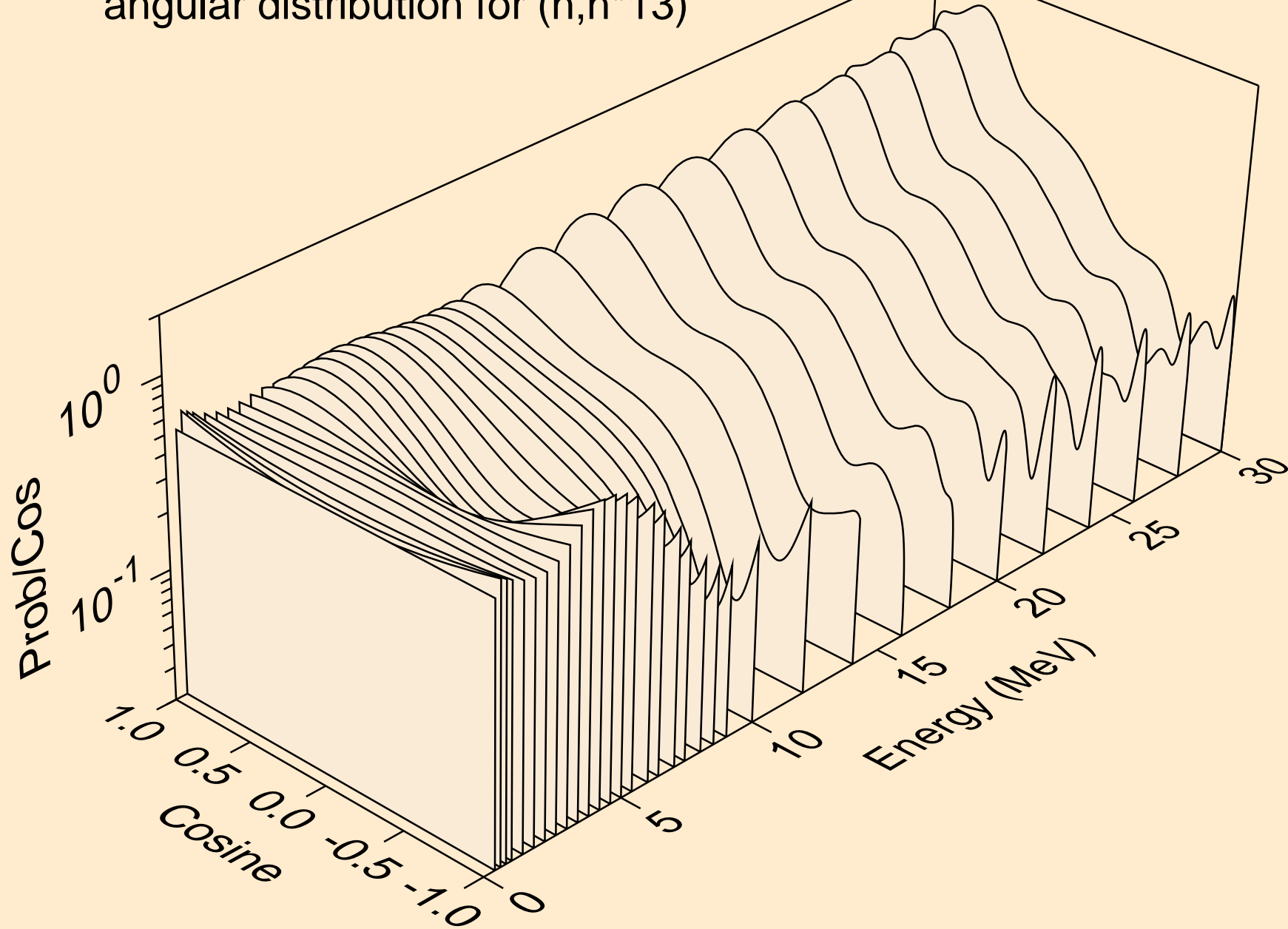
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angular distribution for (n,n\*11)



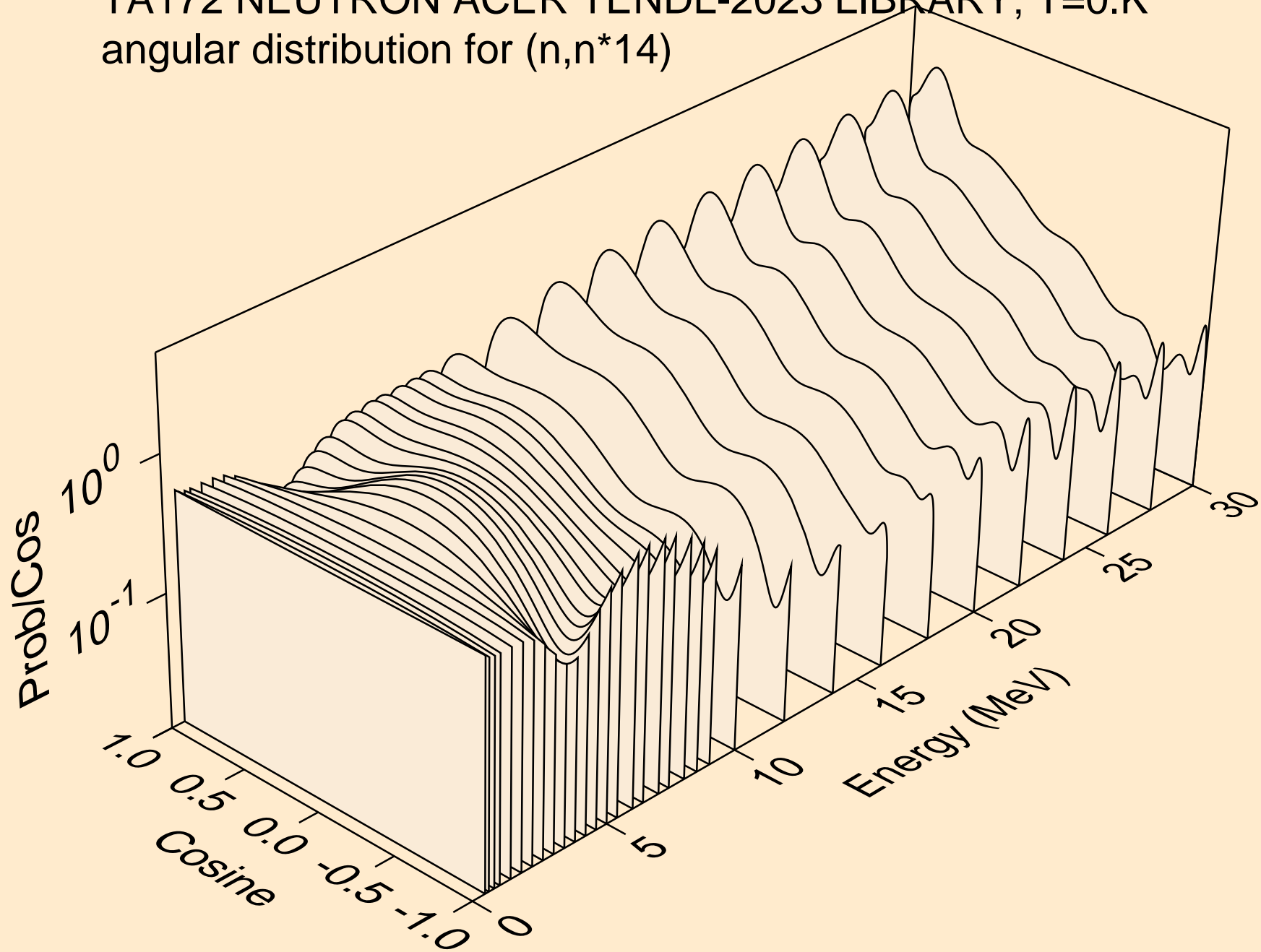
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angular distribution for (n,n\*12)



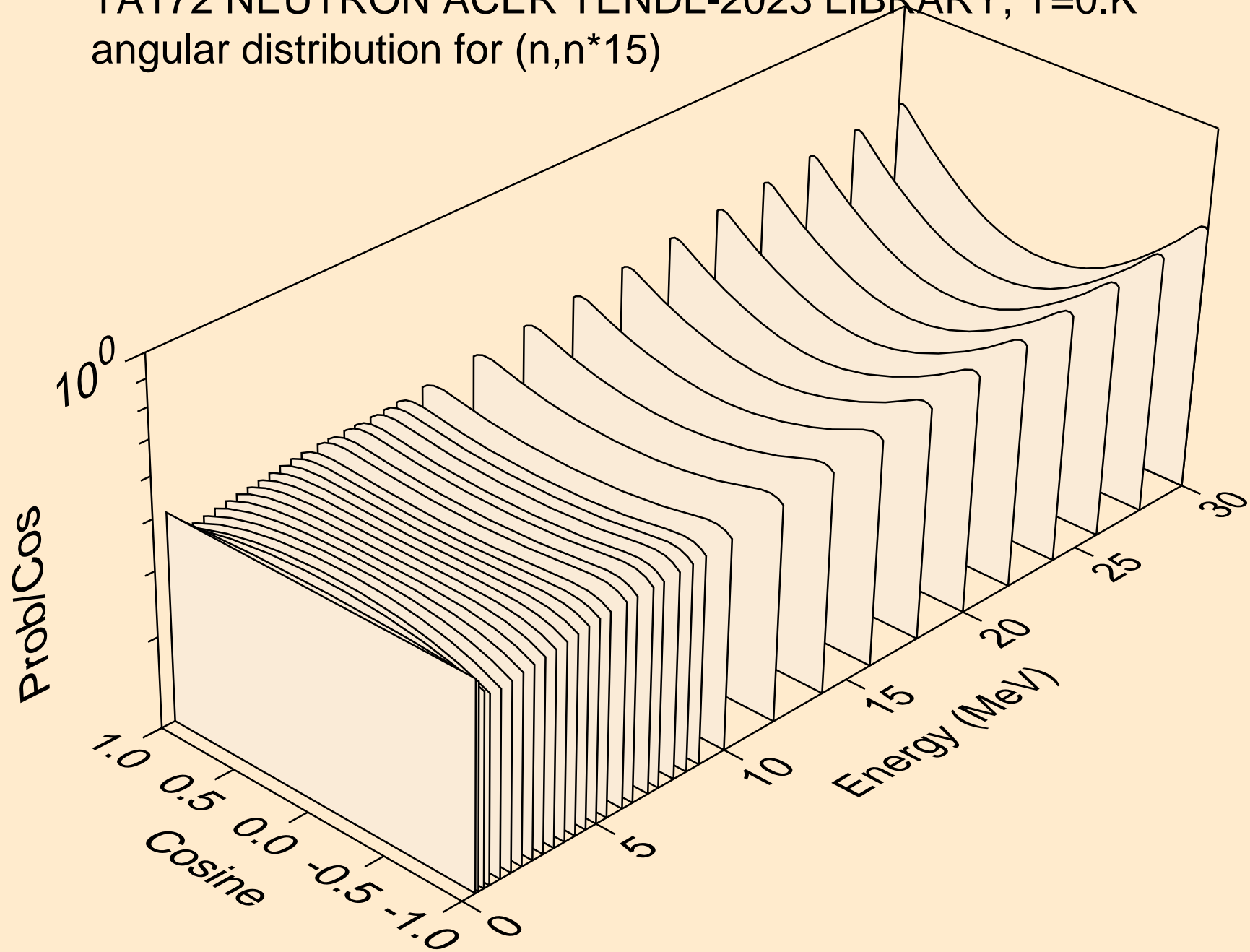
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angular distribution for (n,n\*13)



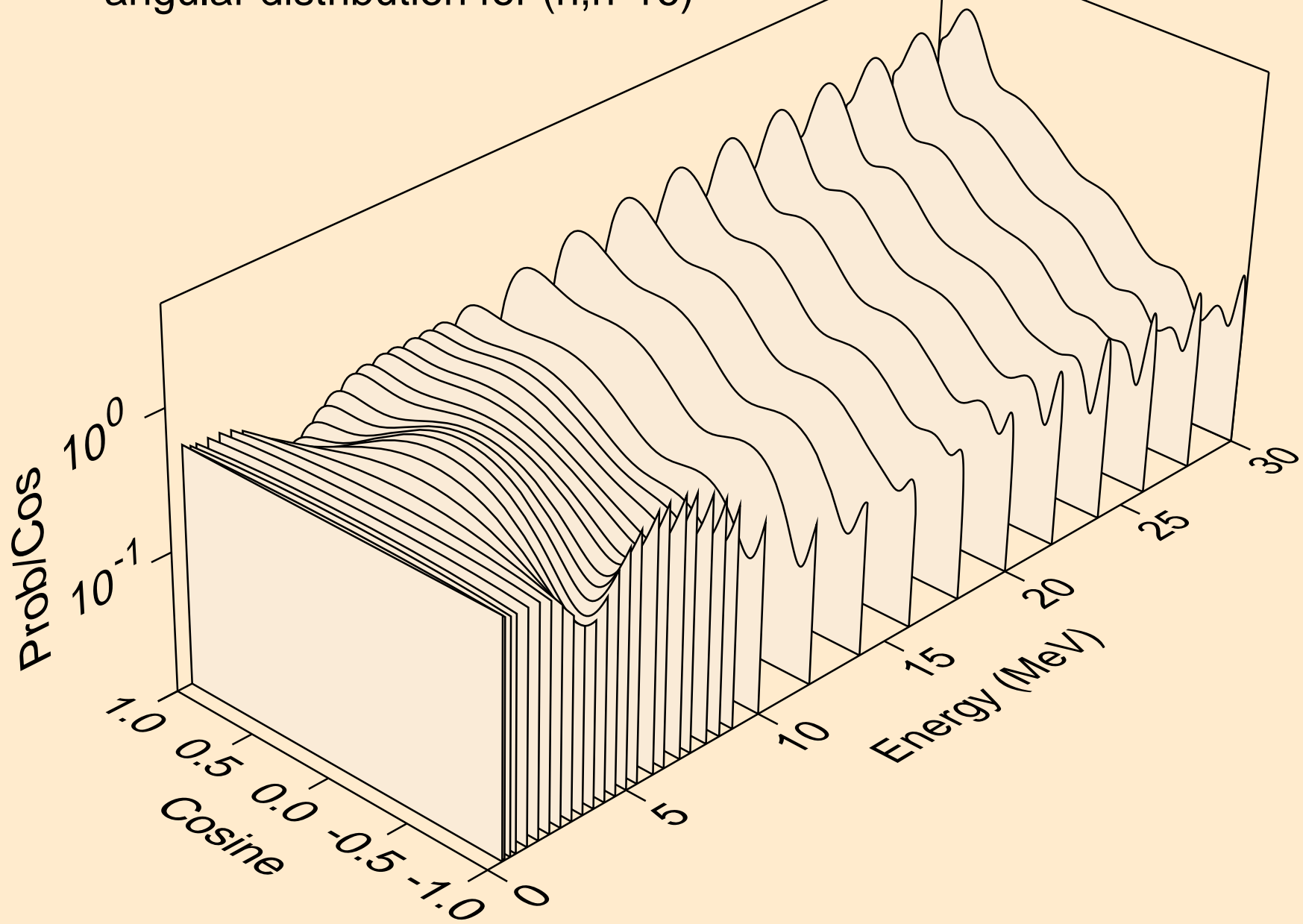
TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*15)

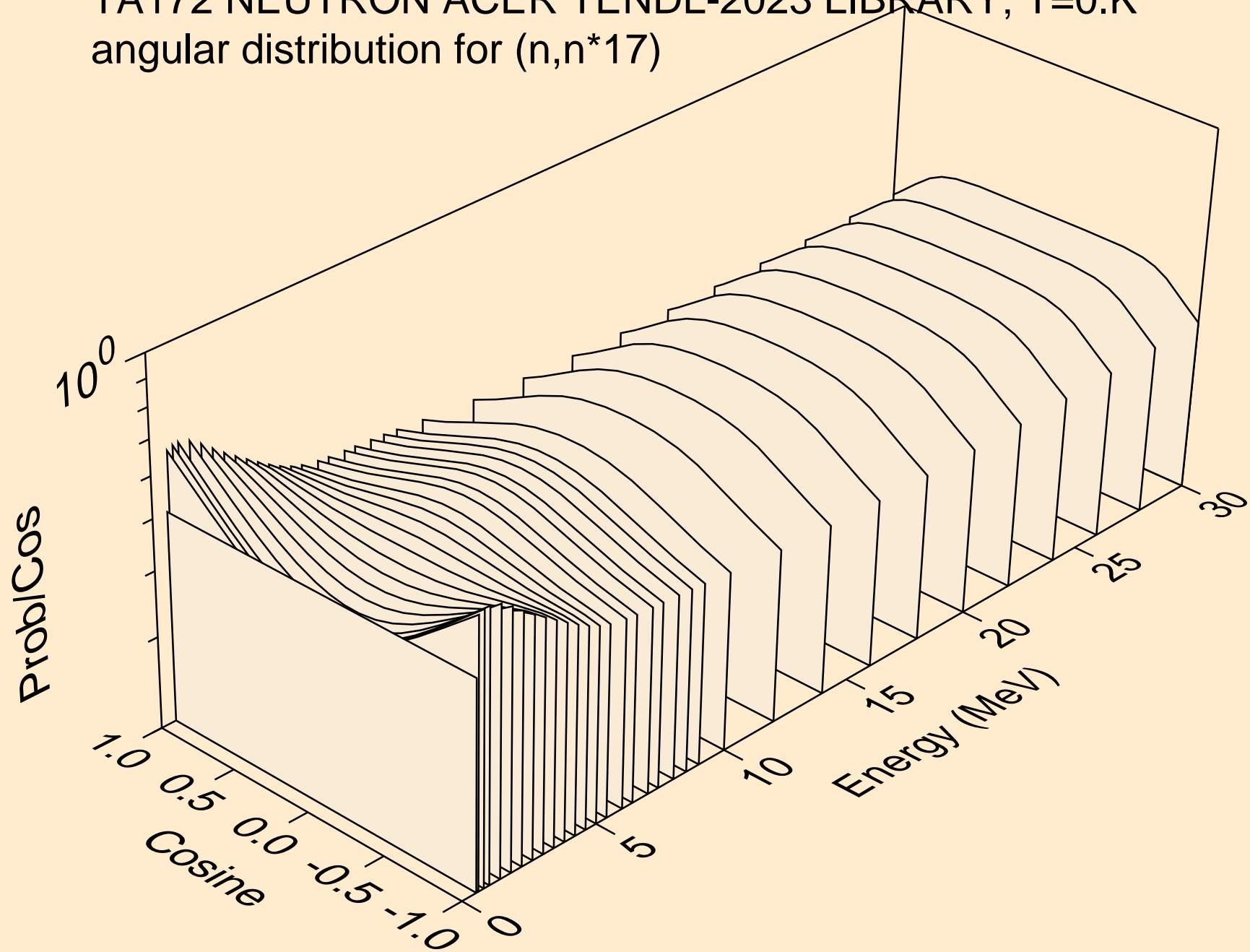


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angular distribution for (n,n\*16)

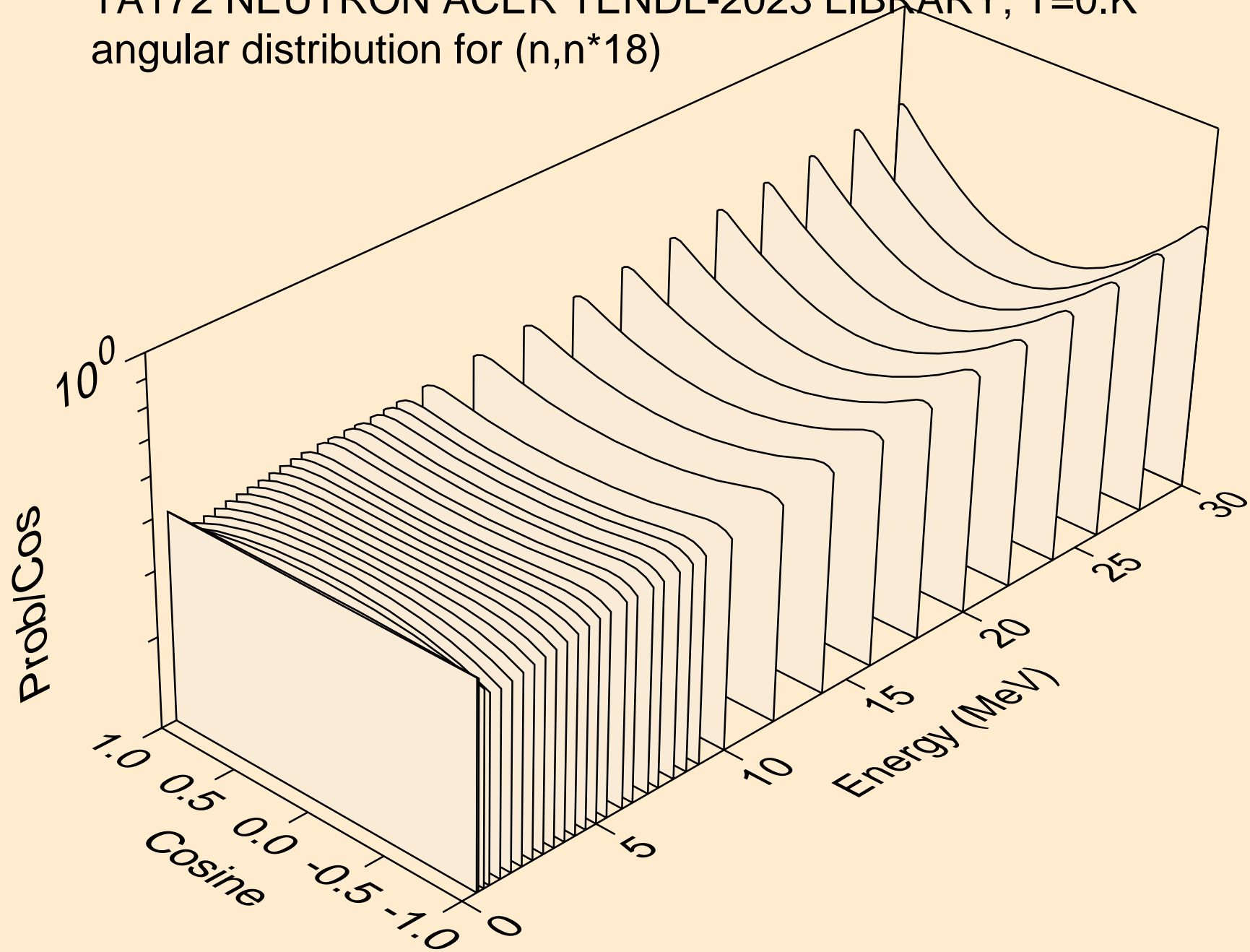




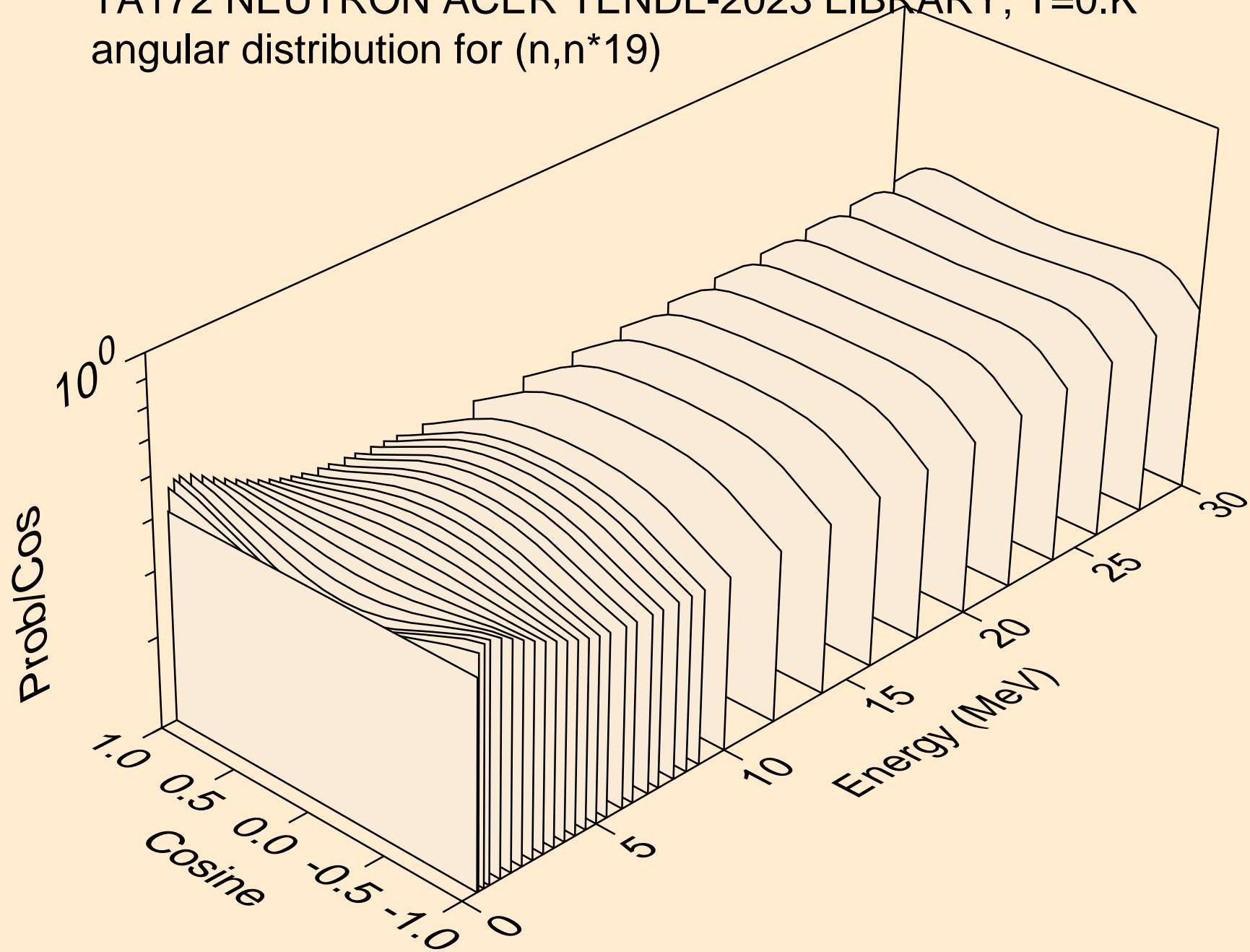
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angular distribution for (n,n\*17)



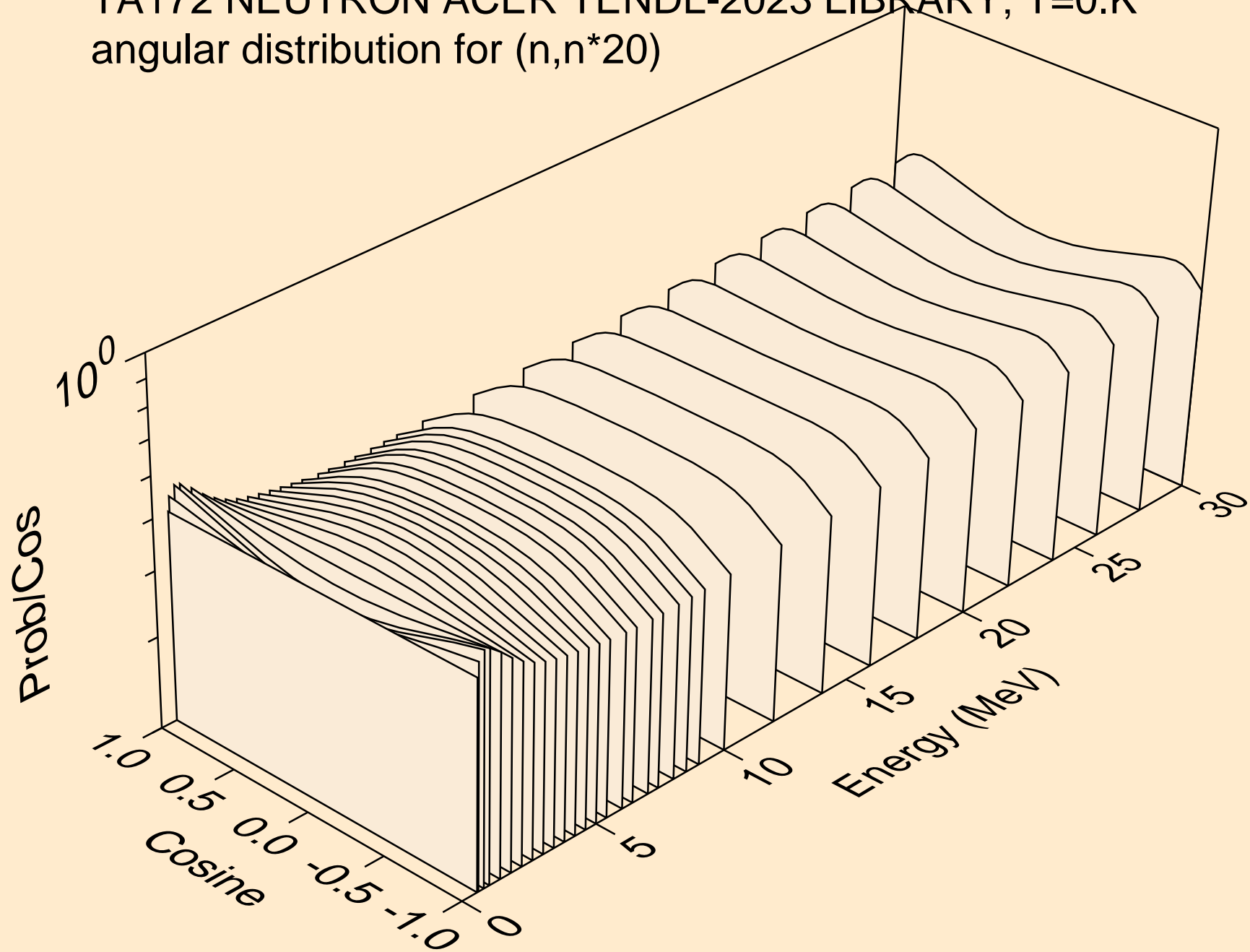
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angular distribution for (n,n\*18)



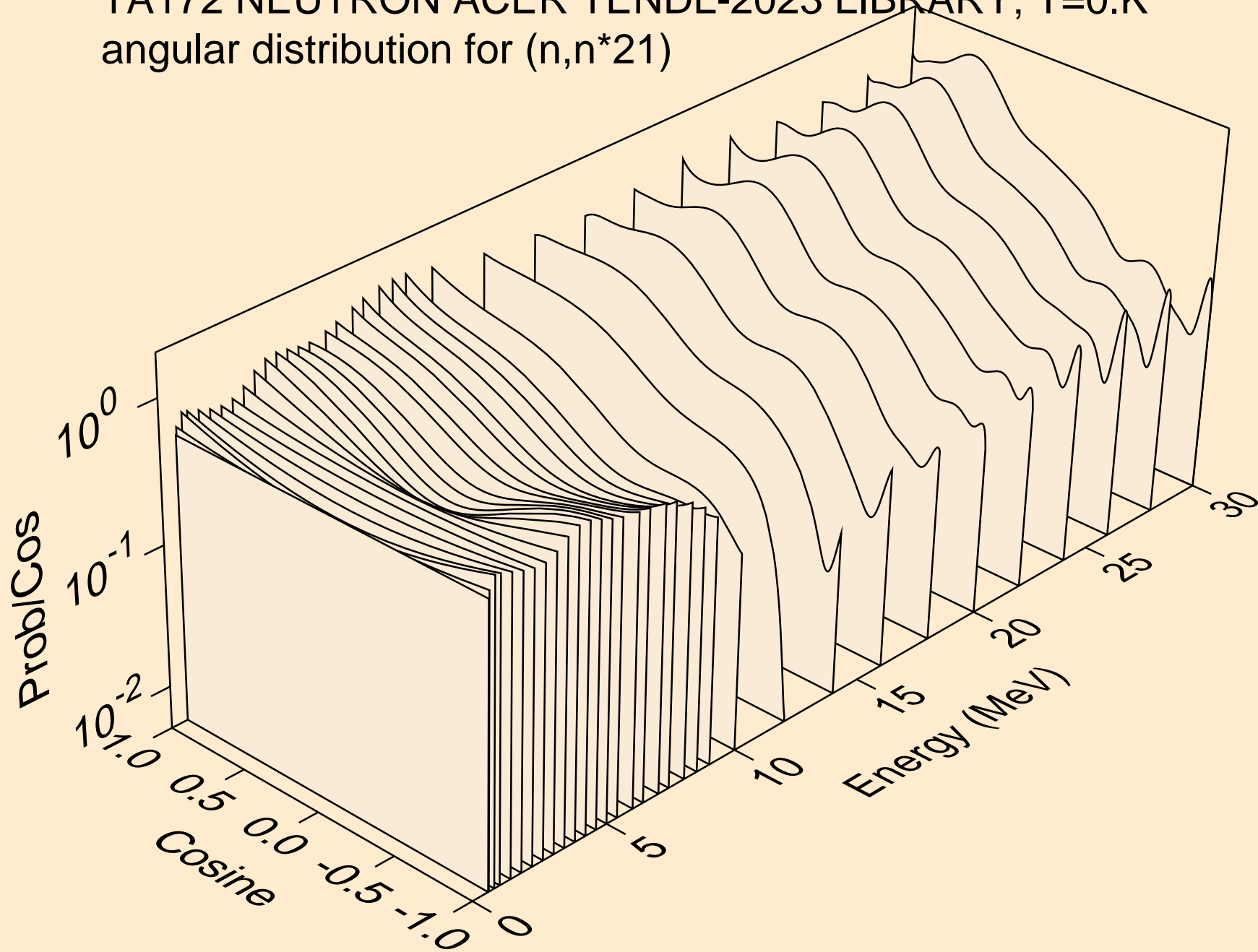
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angular distribution for (n,n\*19)



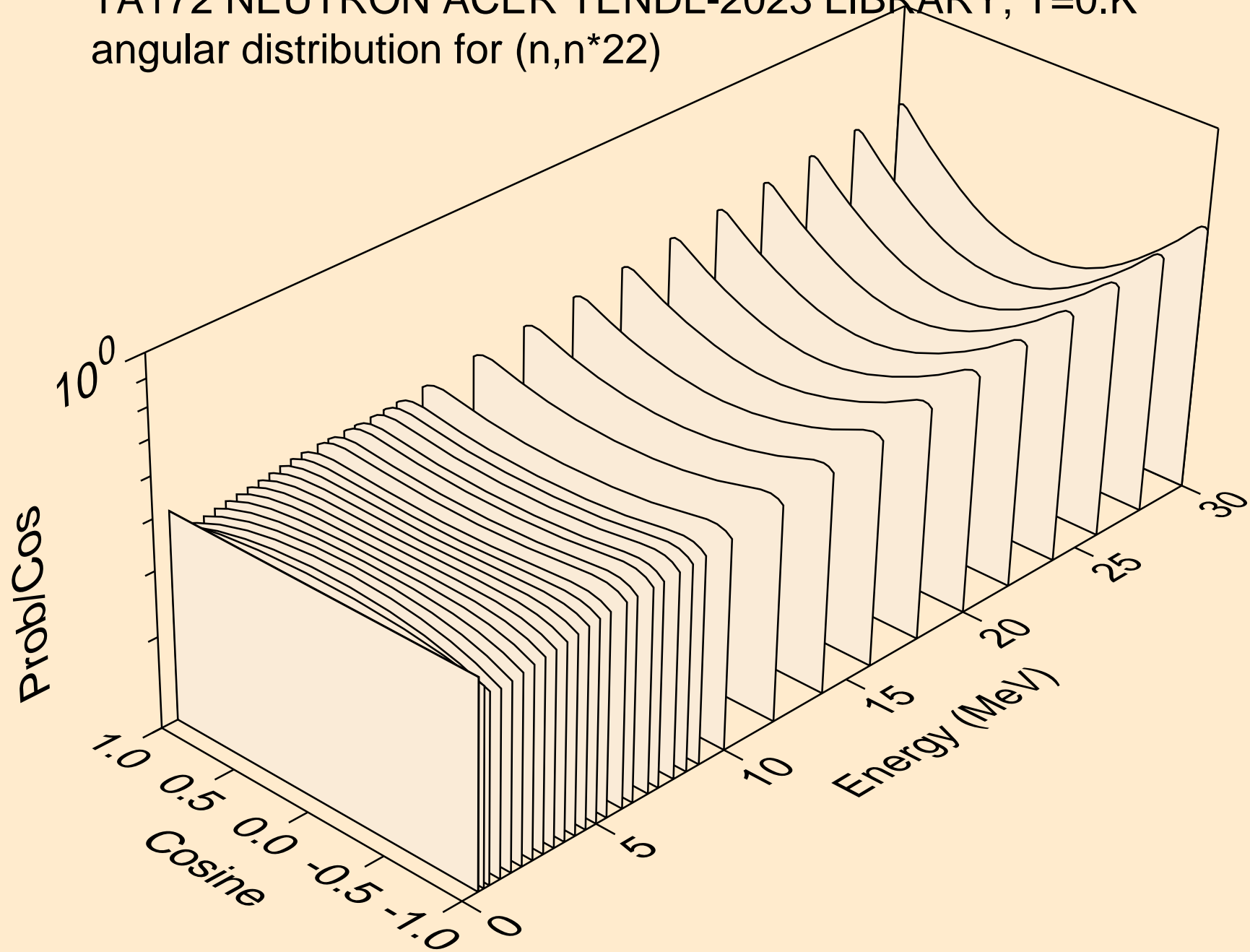
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angular distribution for (n,n\*20)



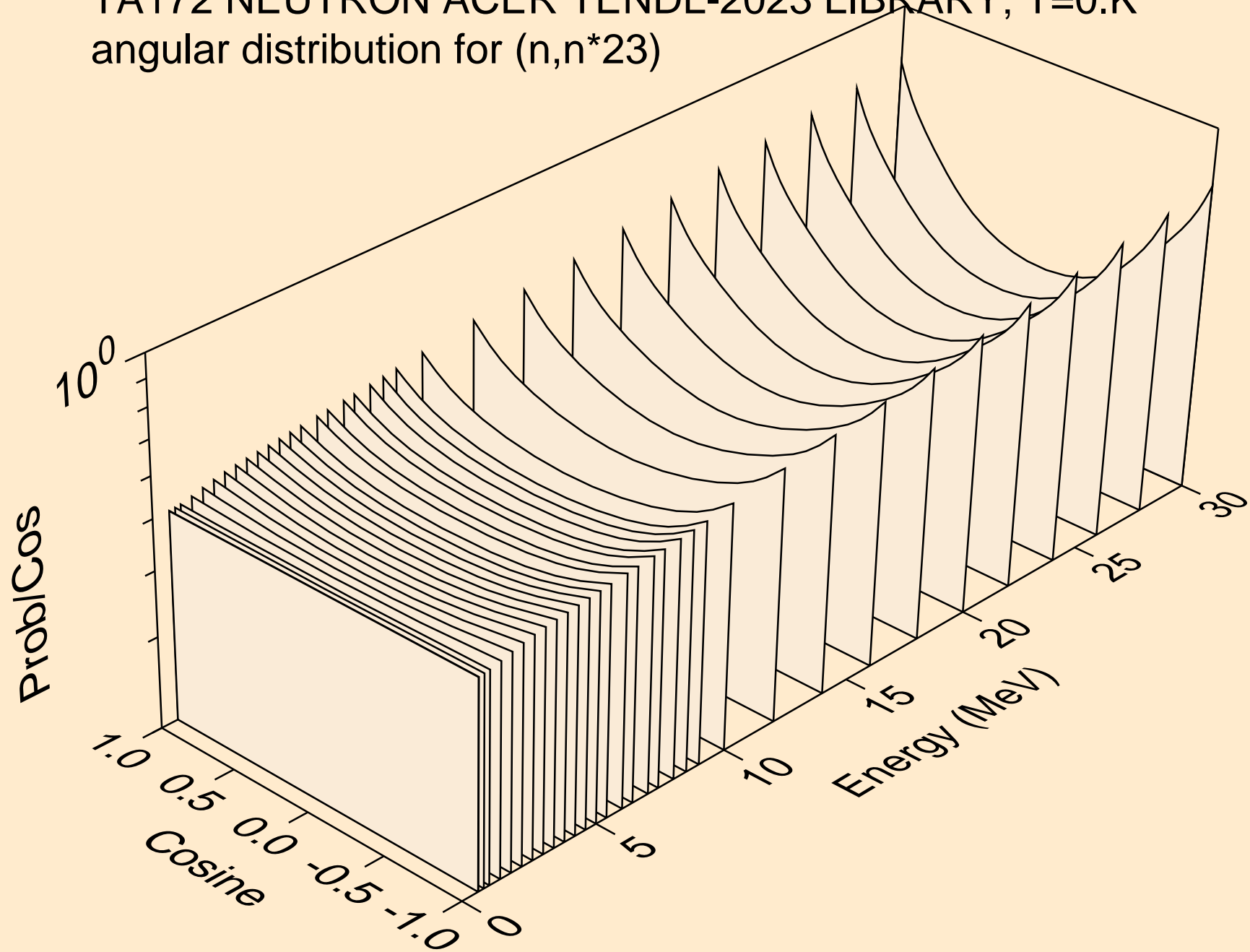
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angular distribution for (n,n\*21)



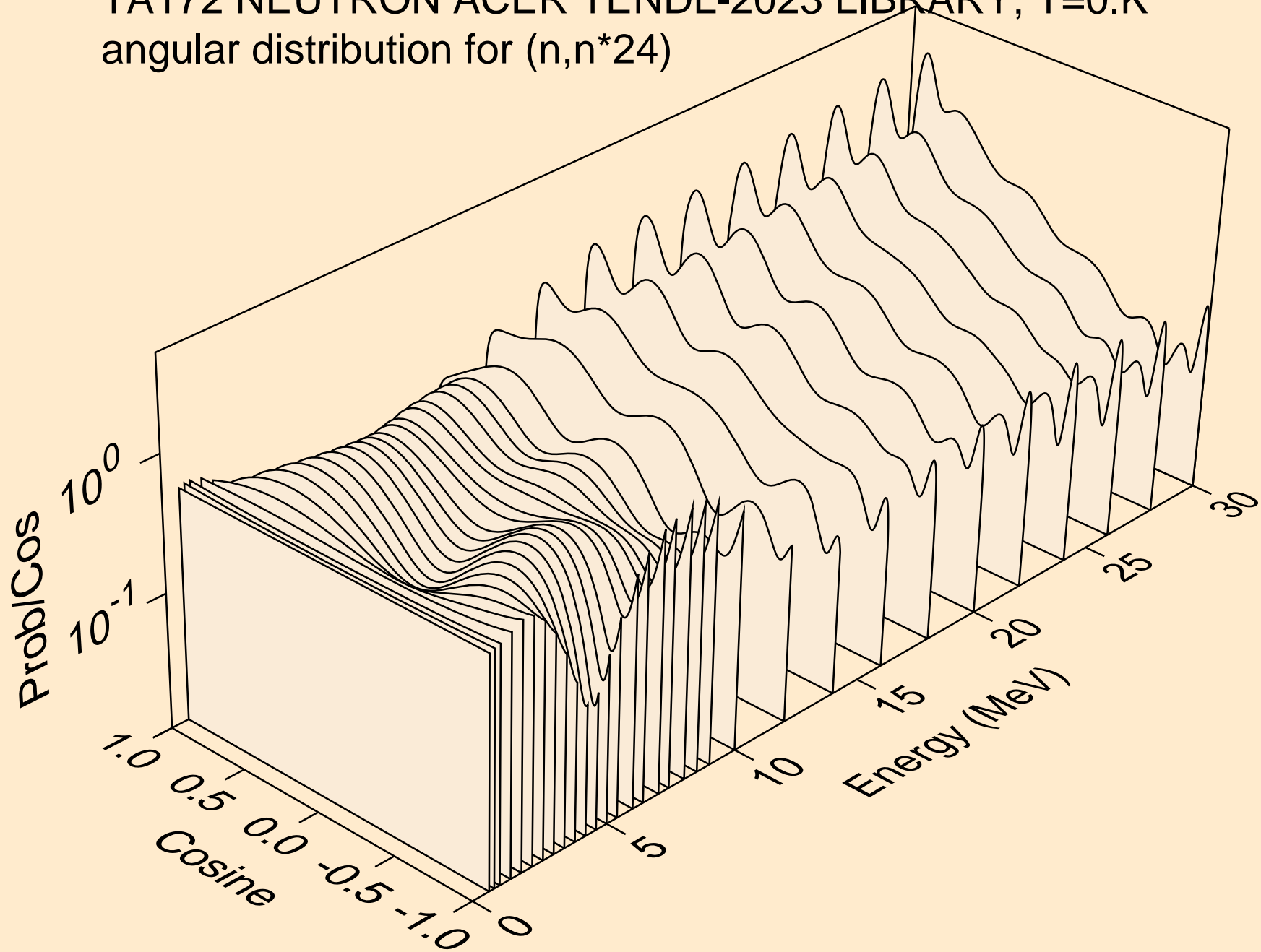
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angular distribution for (n,n\*22)



TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*23)

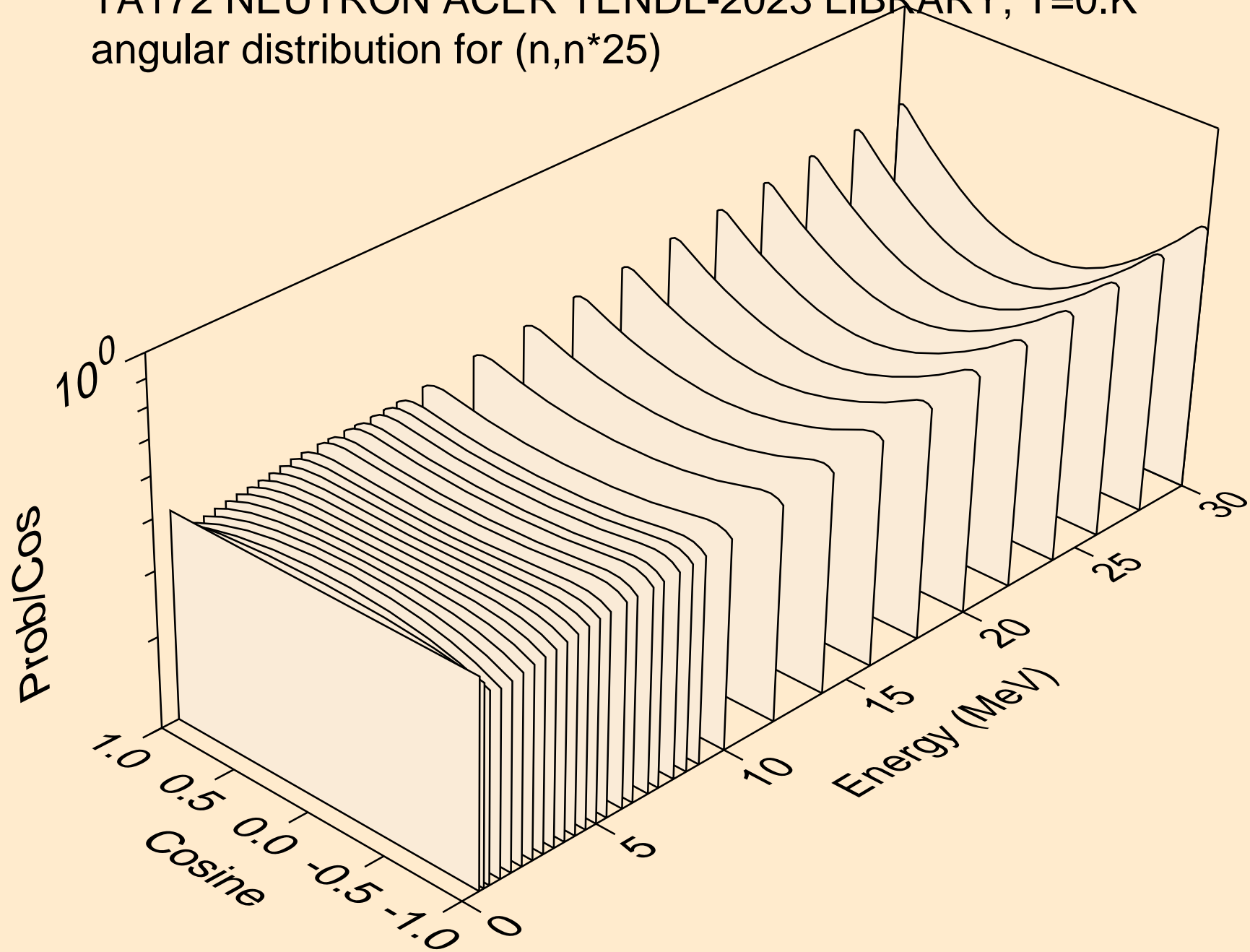


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angular distribution for (n,n\*24)

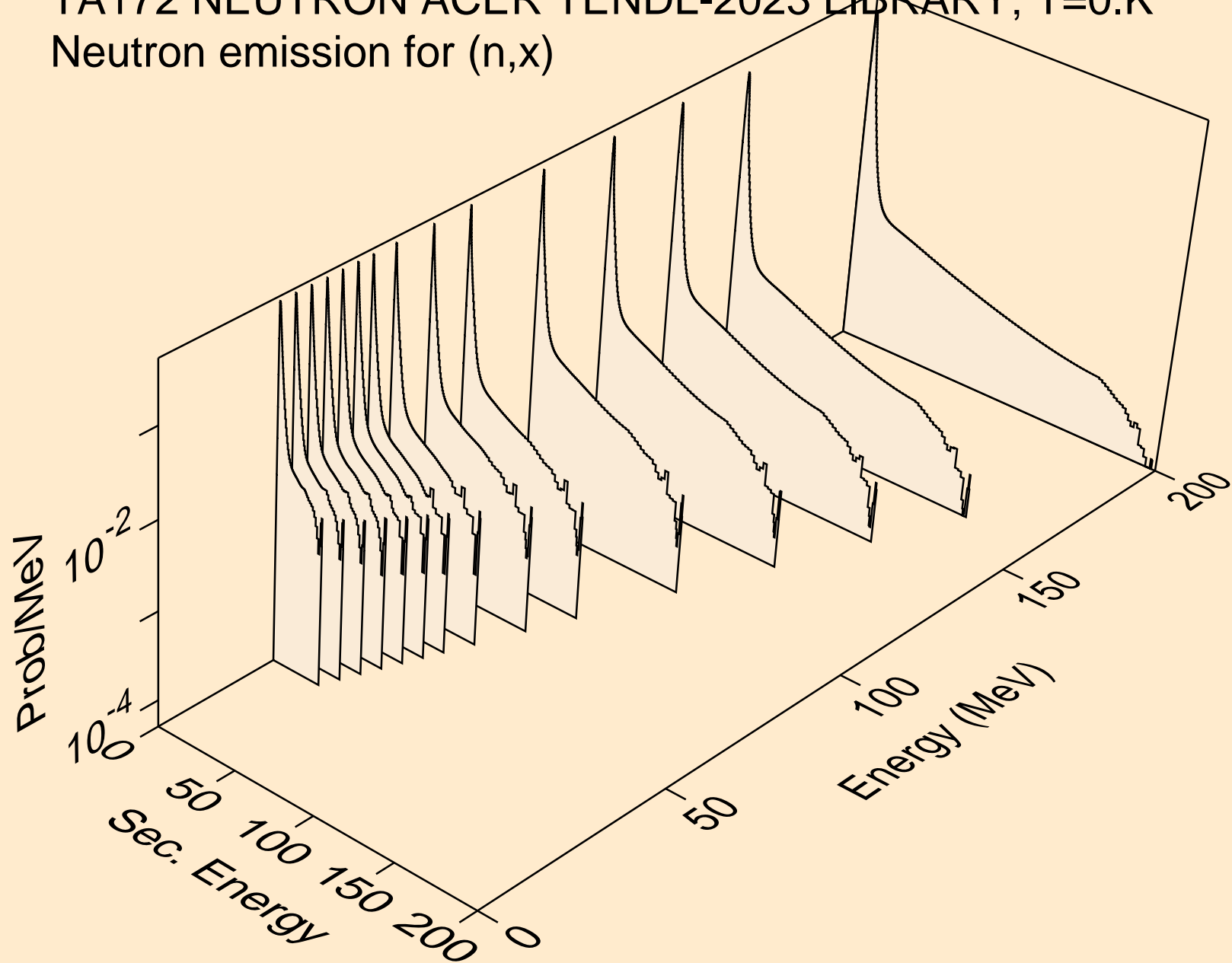




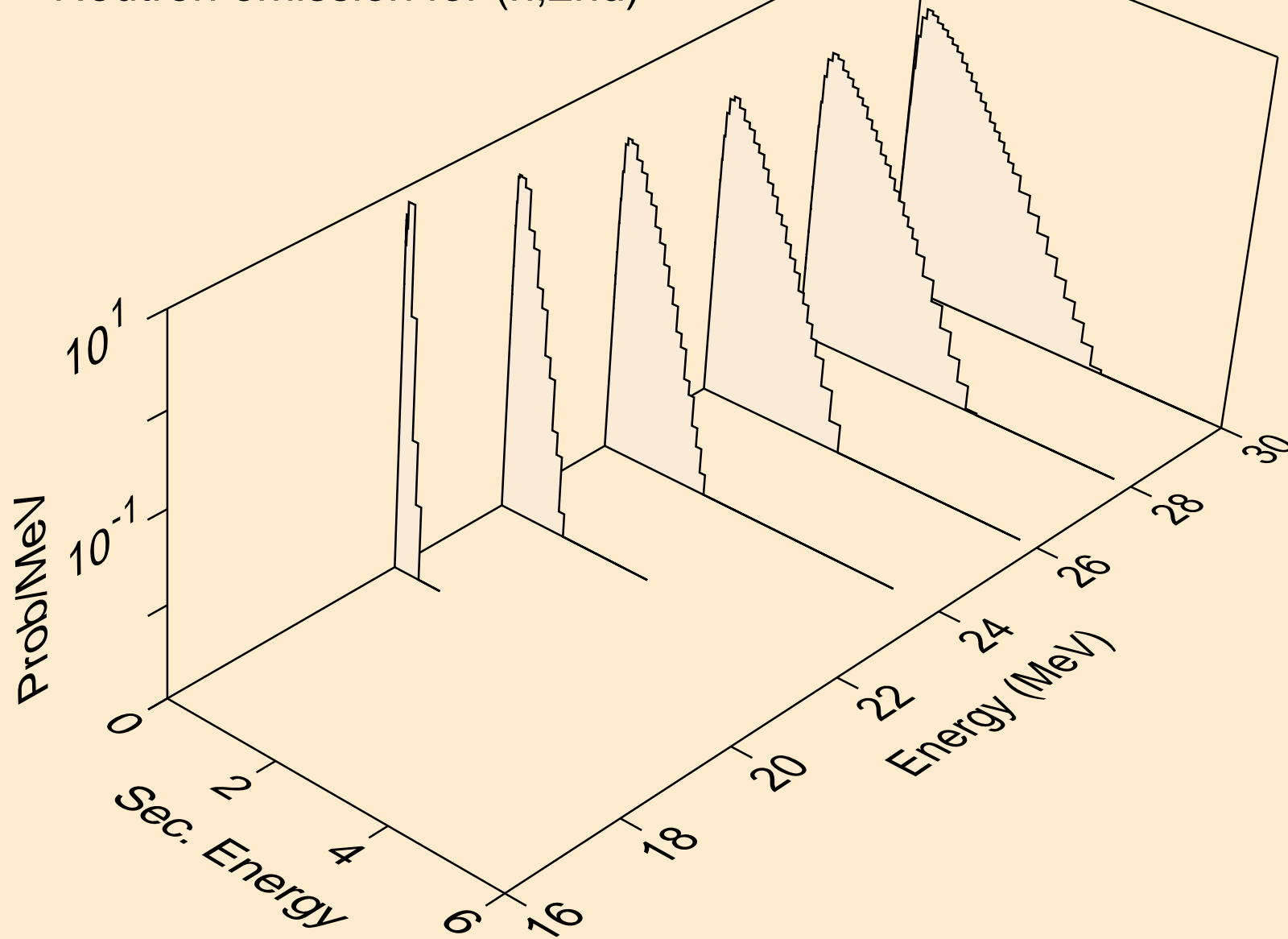
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angular distribution for (n,n\*25)



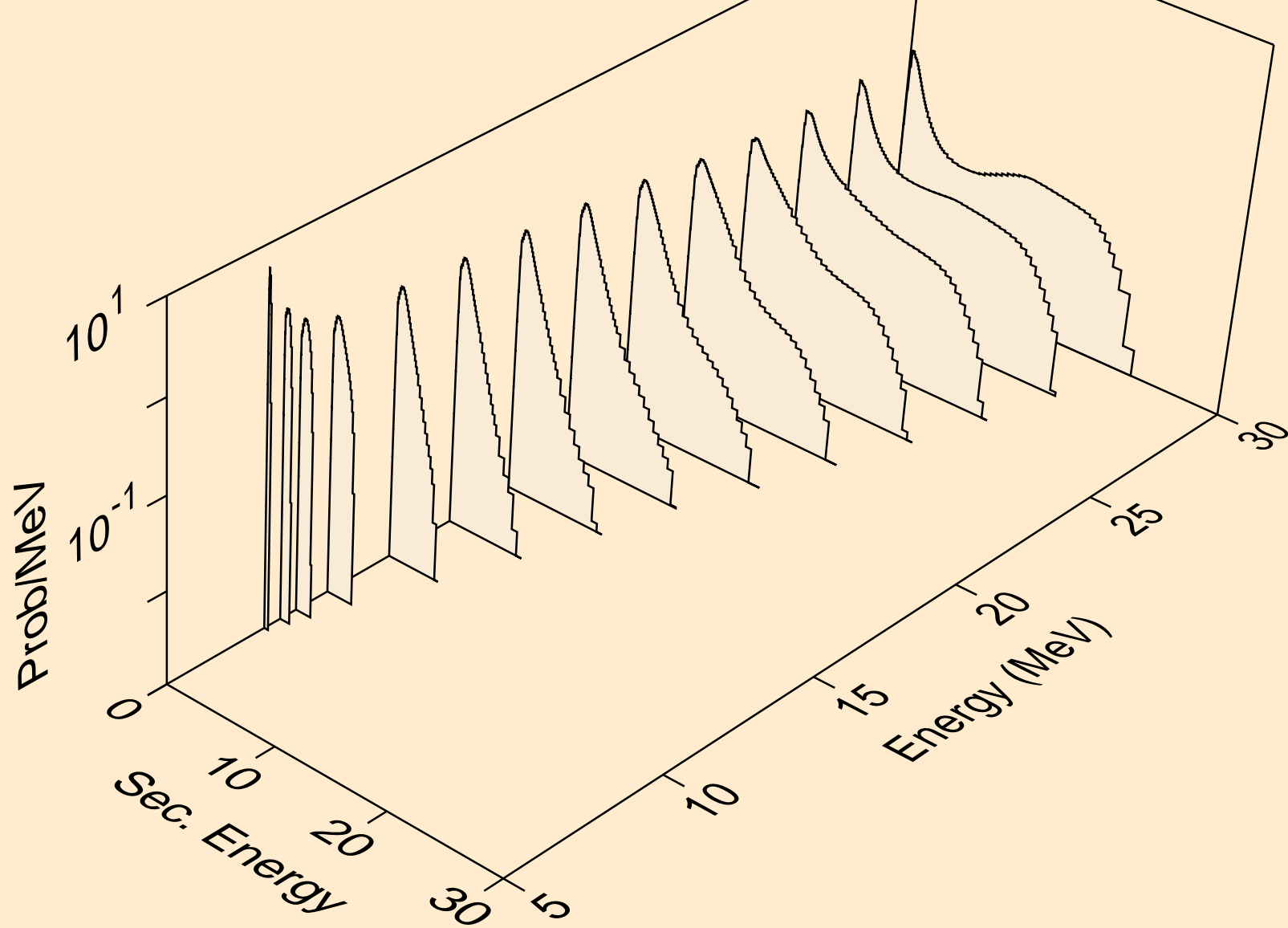
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Neutron emission for (n,x)



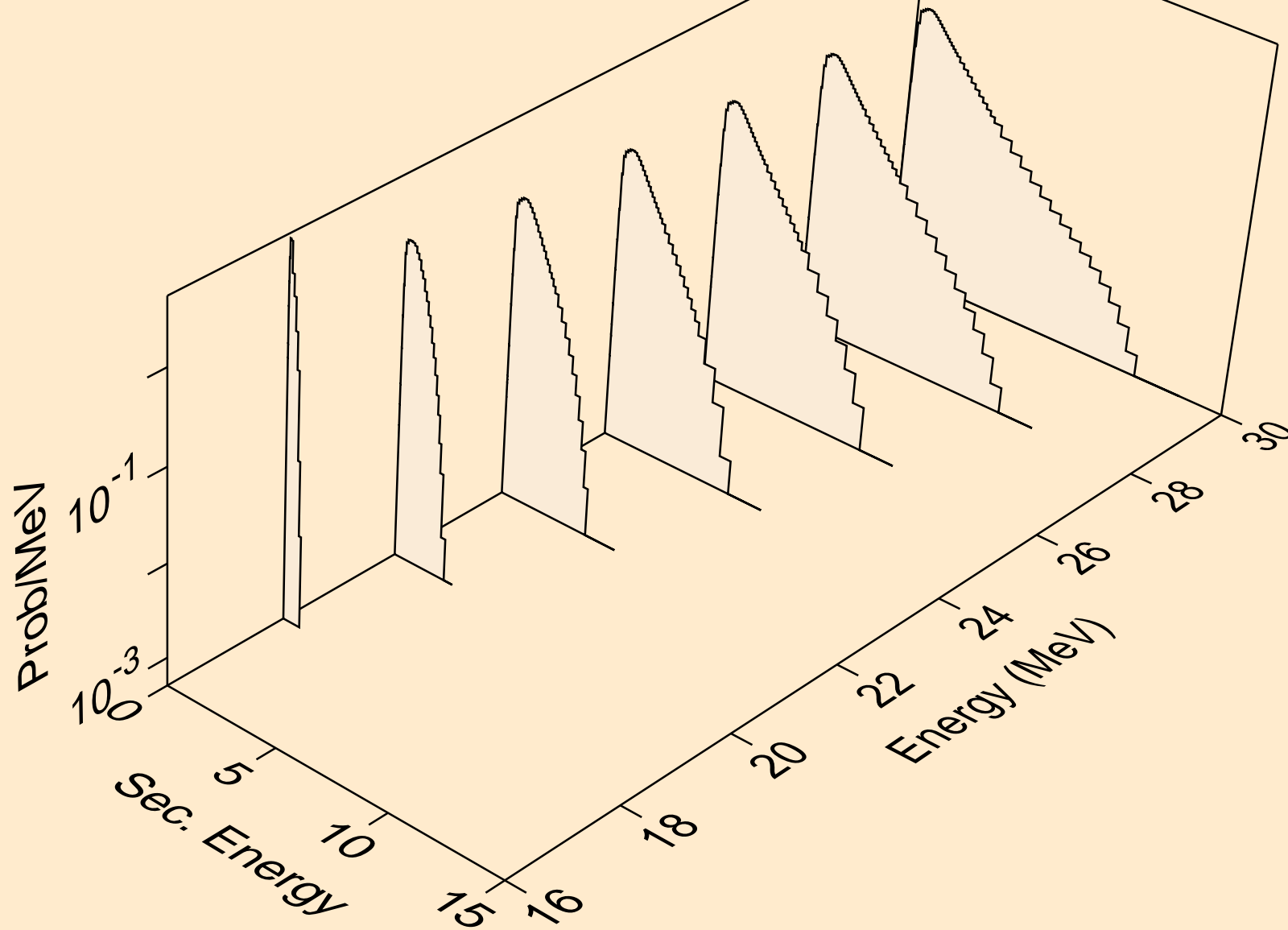
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Neutron emission for (n,2nd)



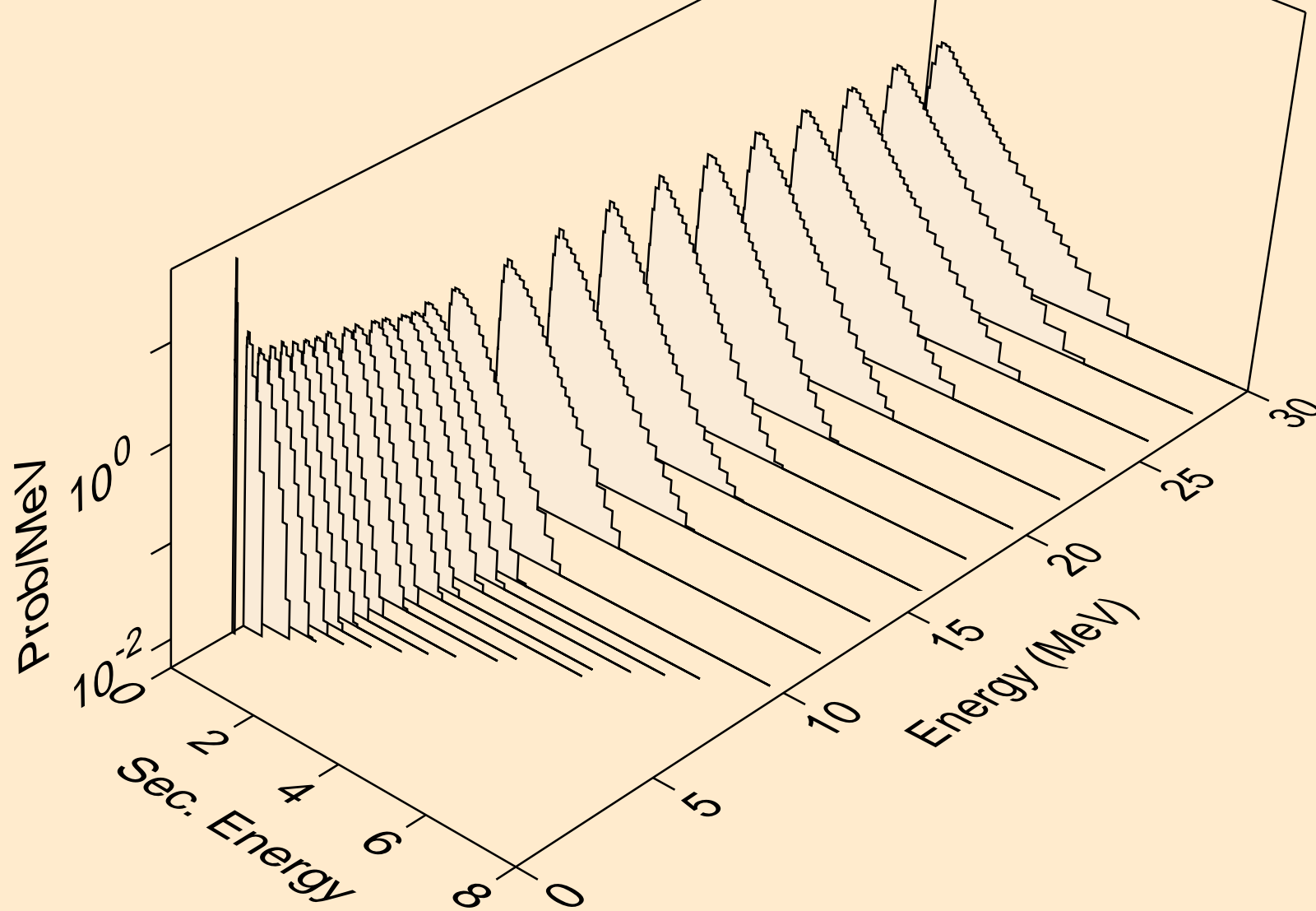
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Neutron emission for (n,2n)



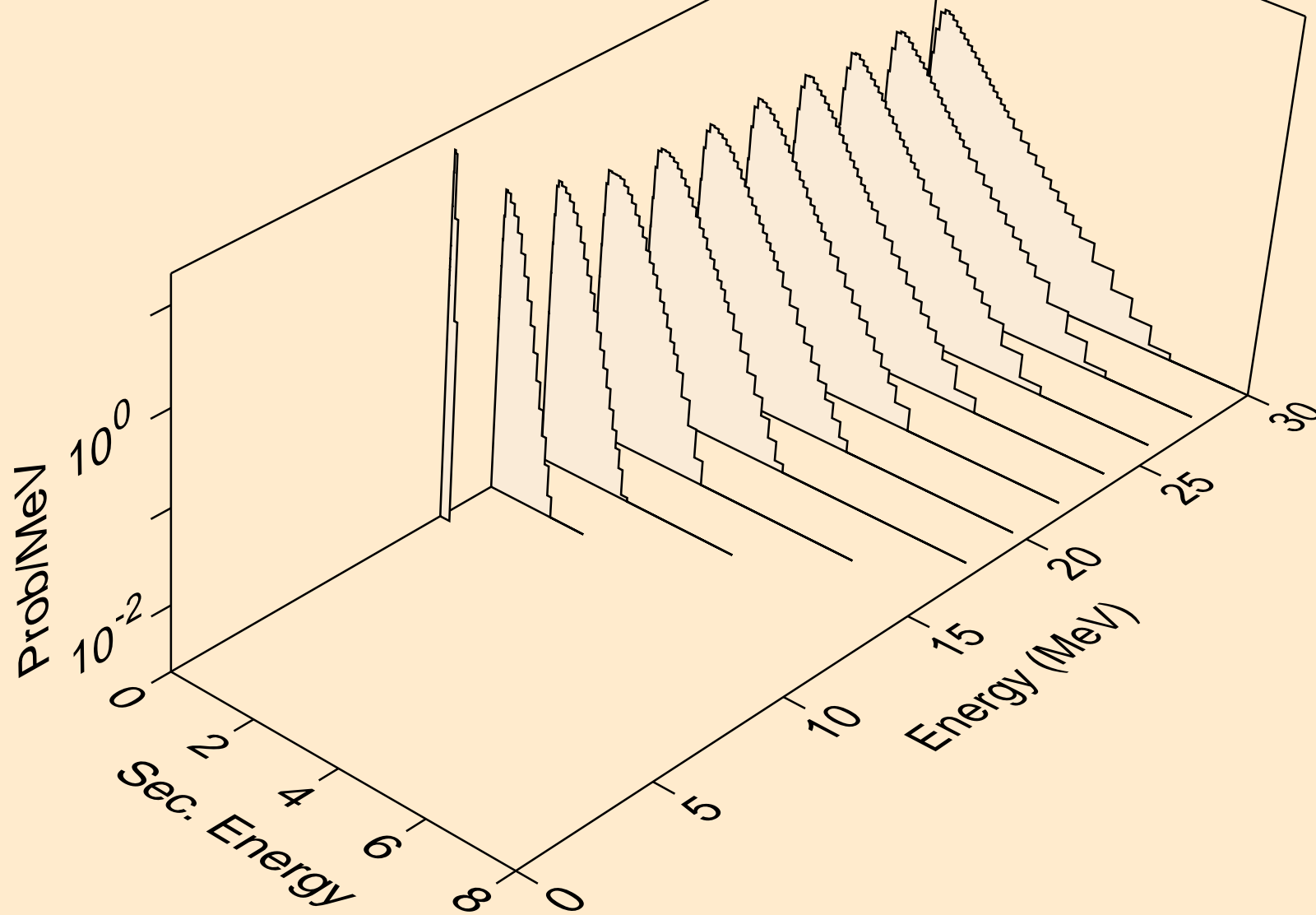
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Neutron emission for (n,3n)



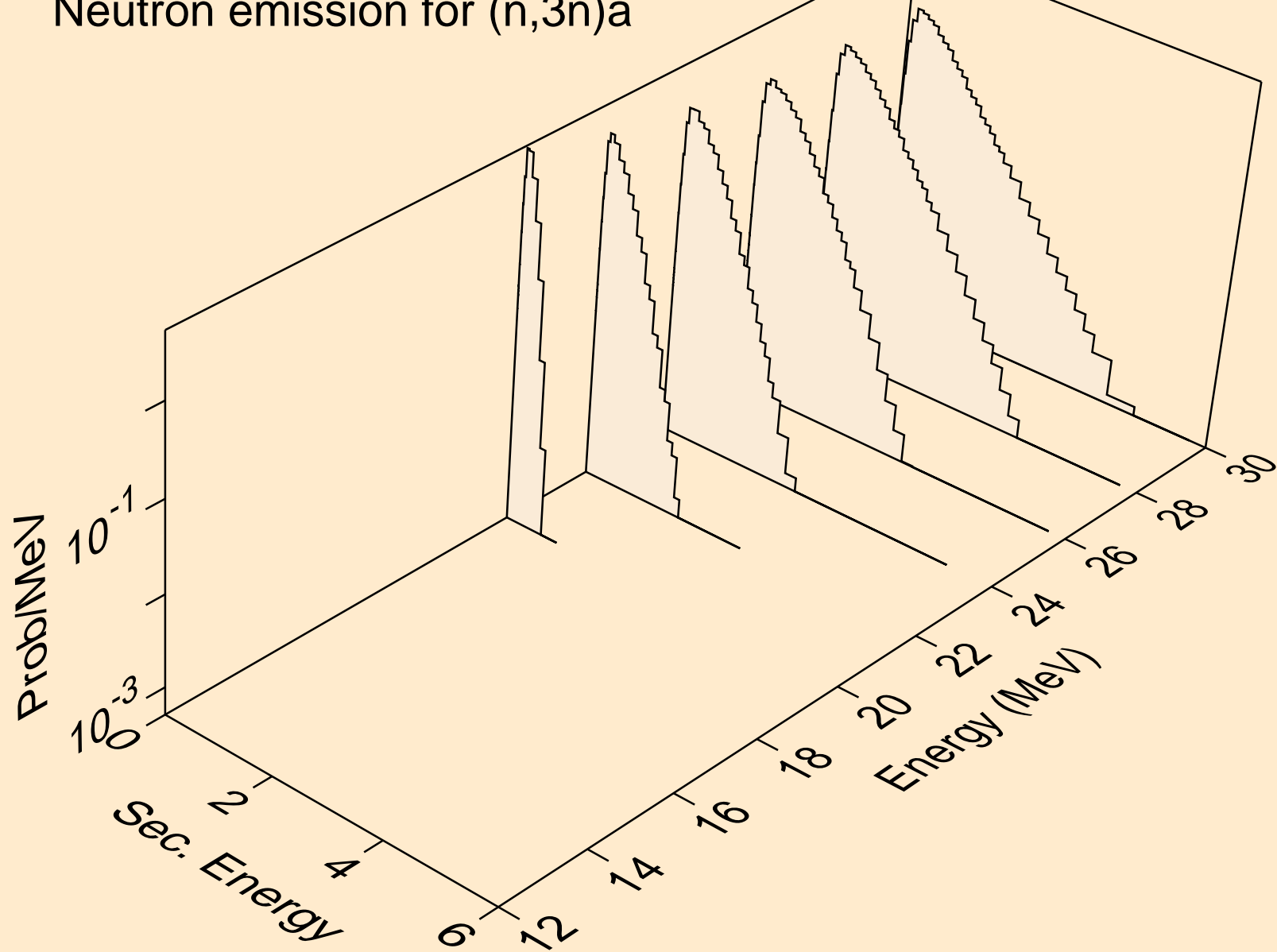
TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a

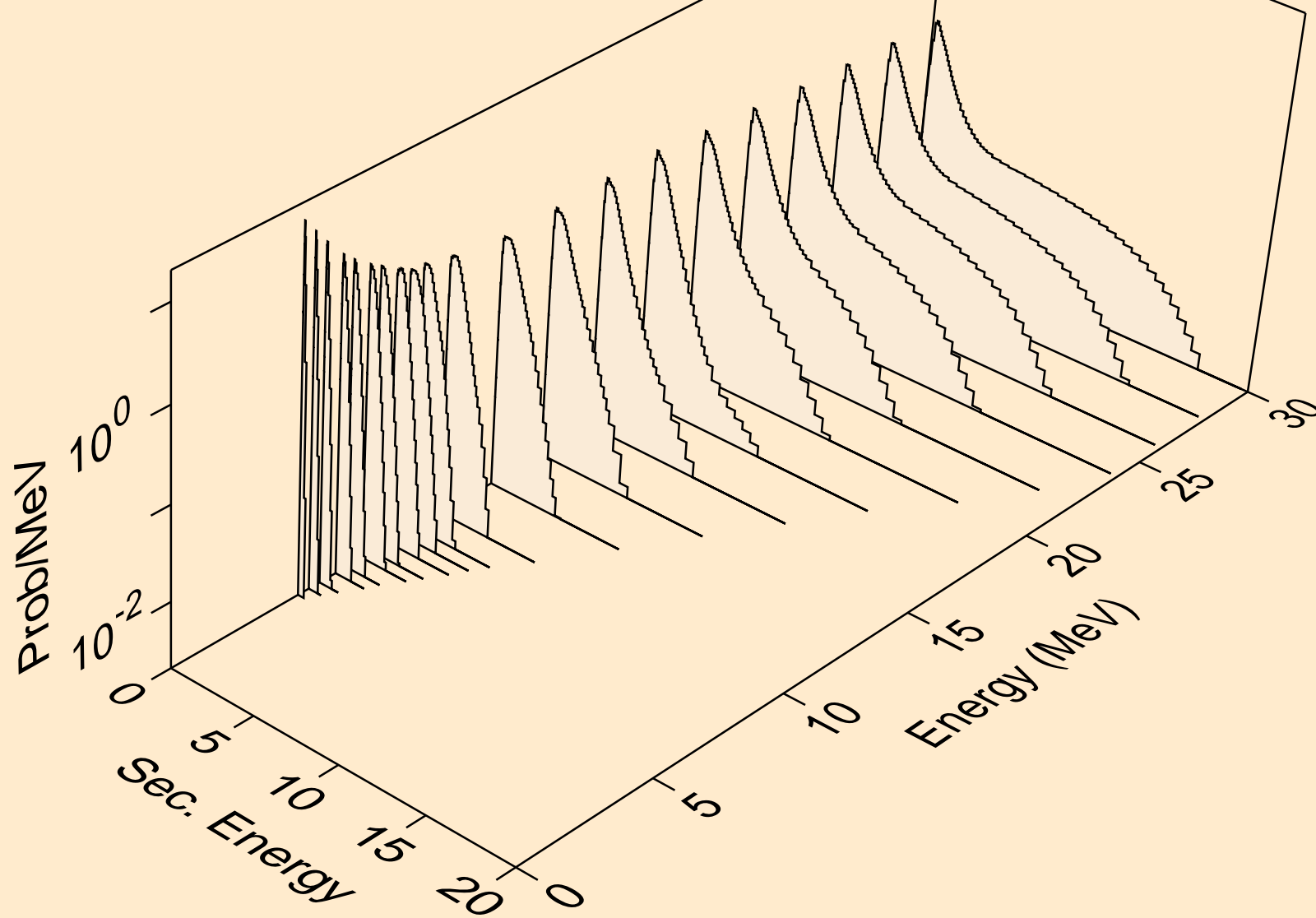


TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a

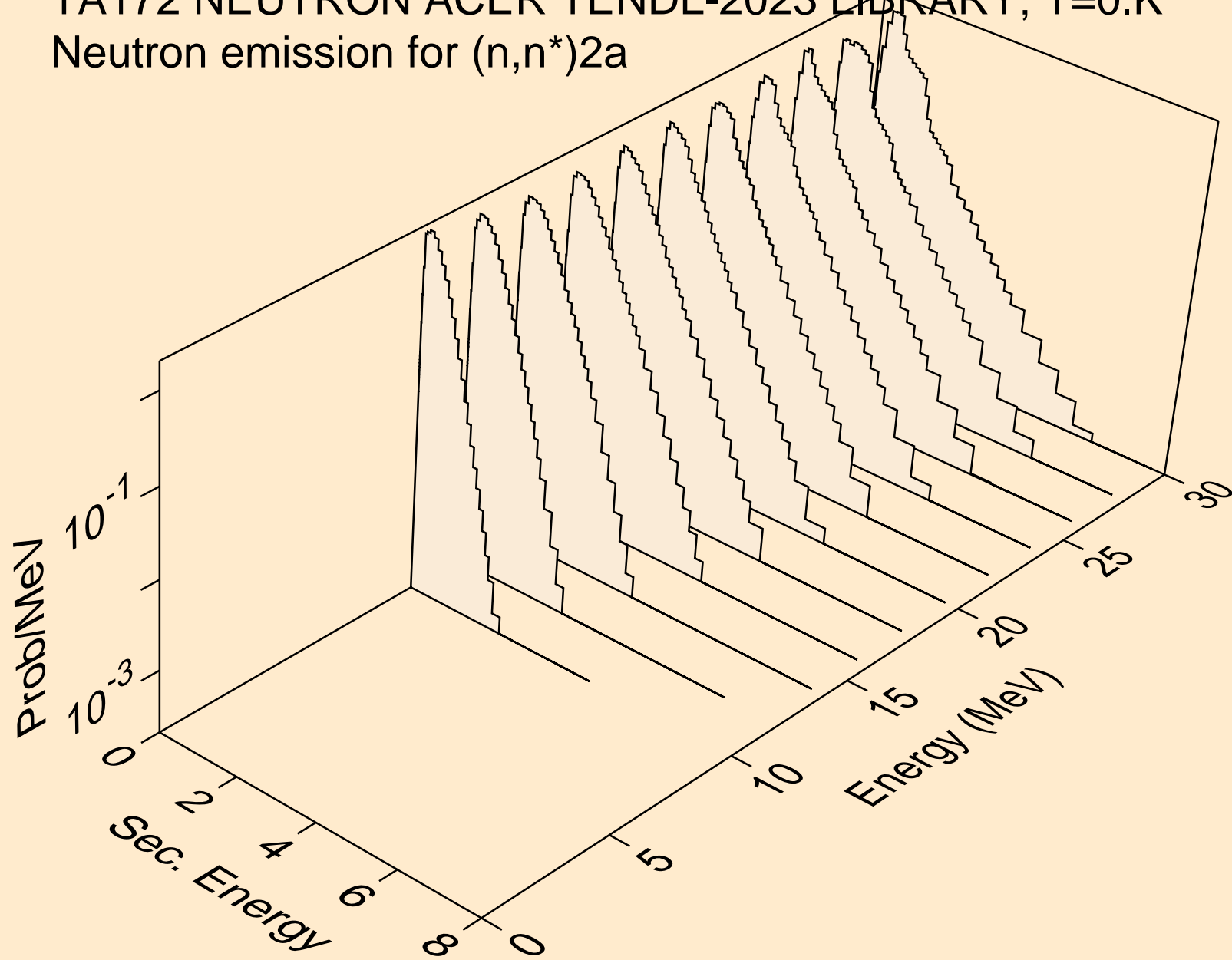




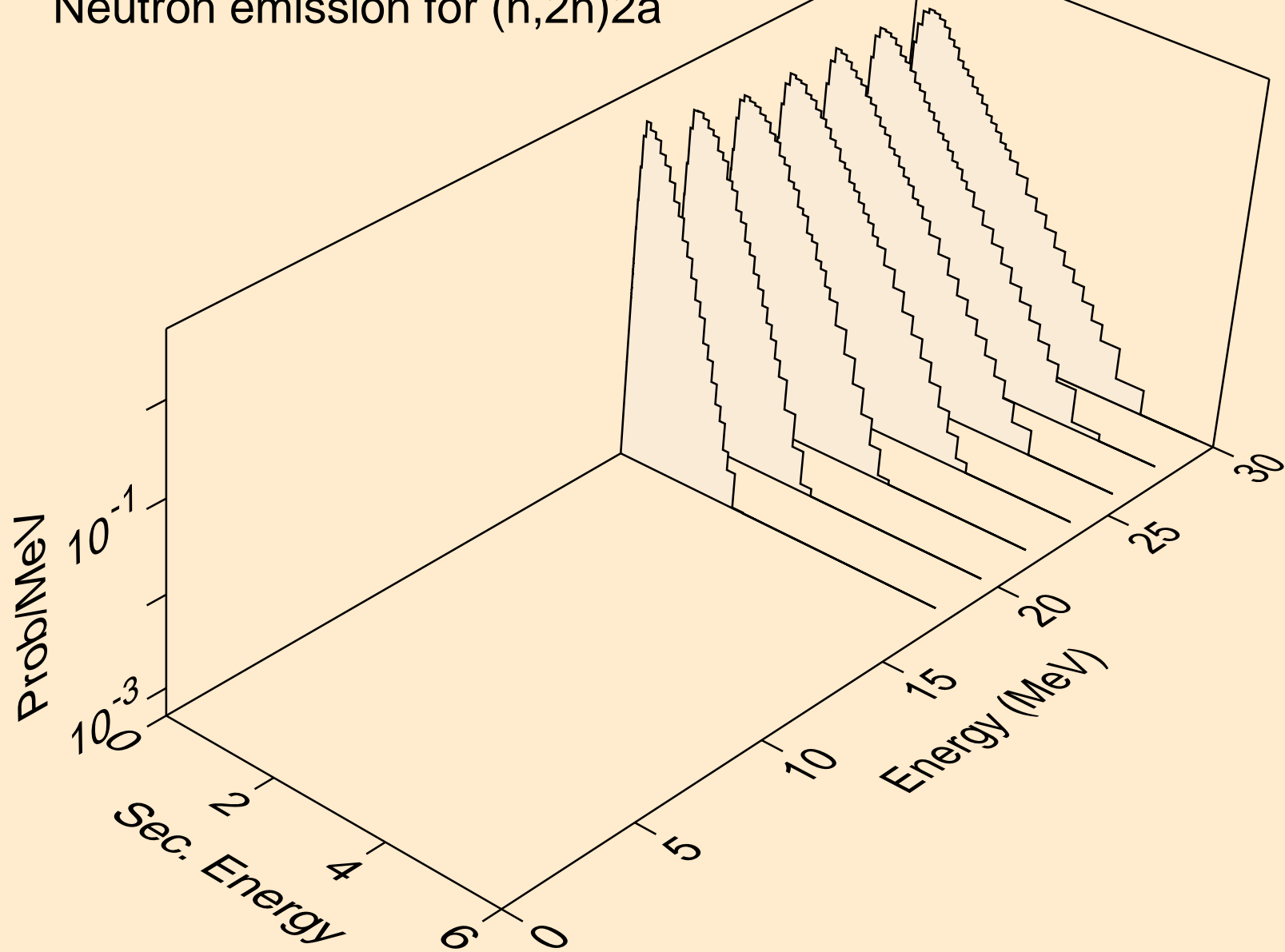
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Neutron emission for (n,n\*)p



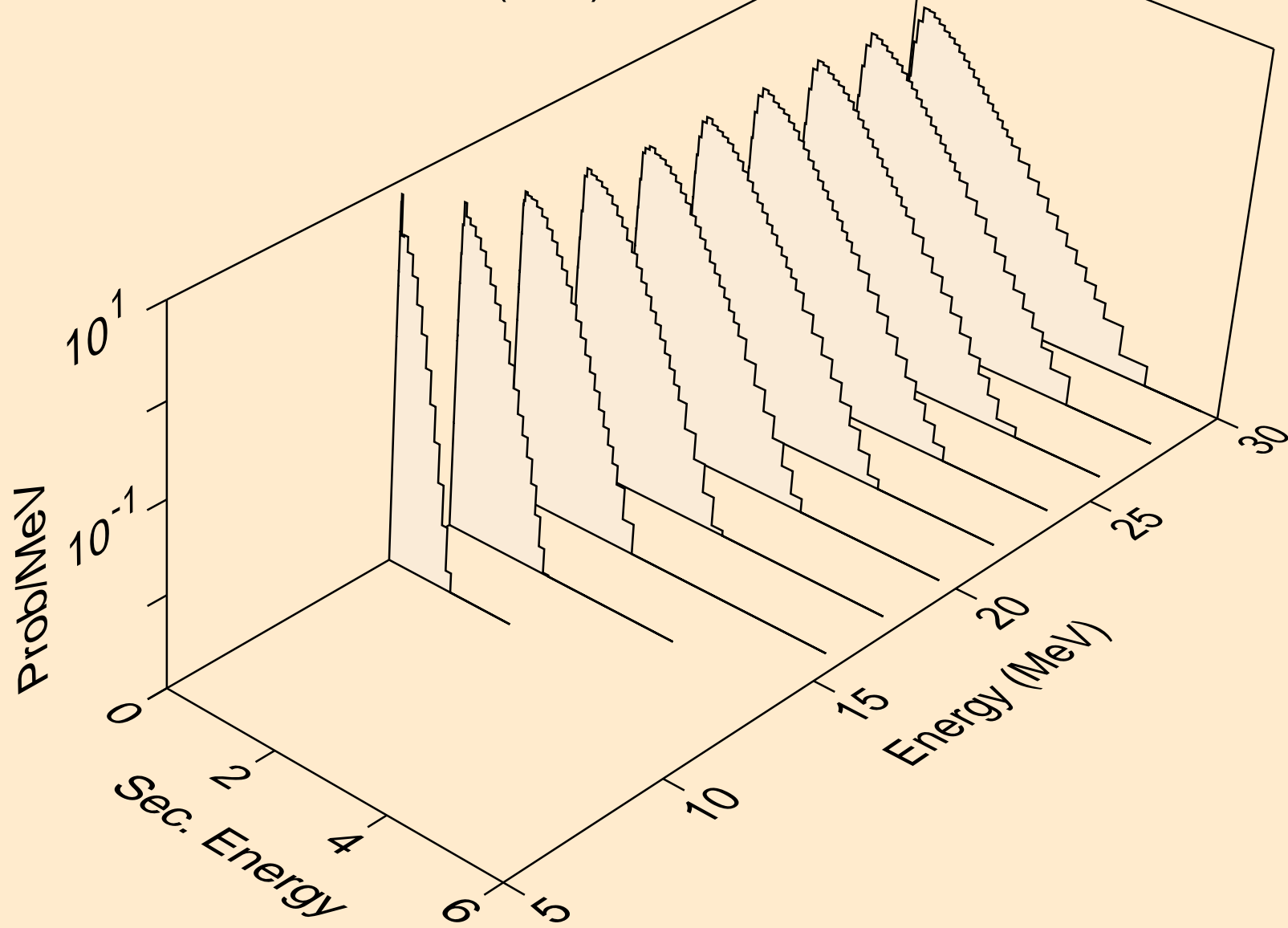
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Neutron emission for (n,n\*)2a



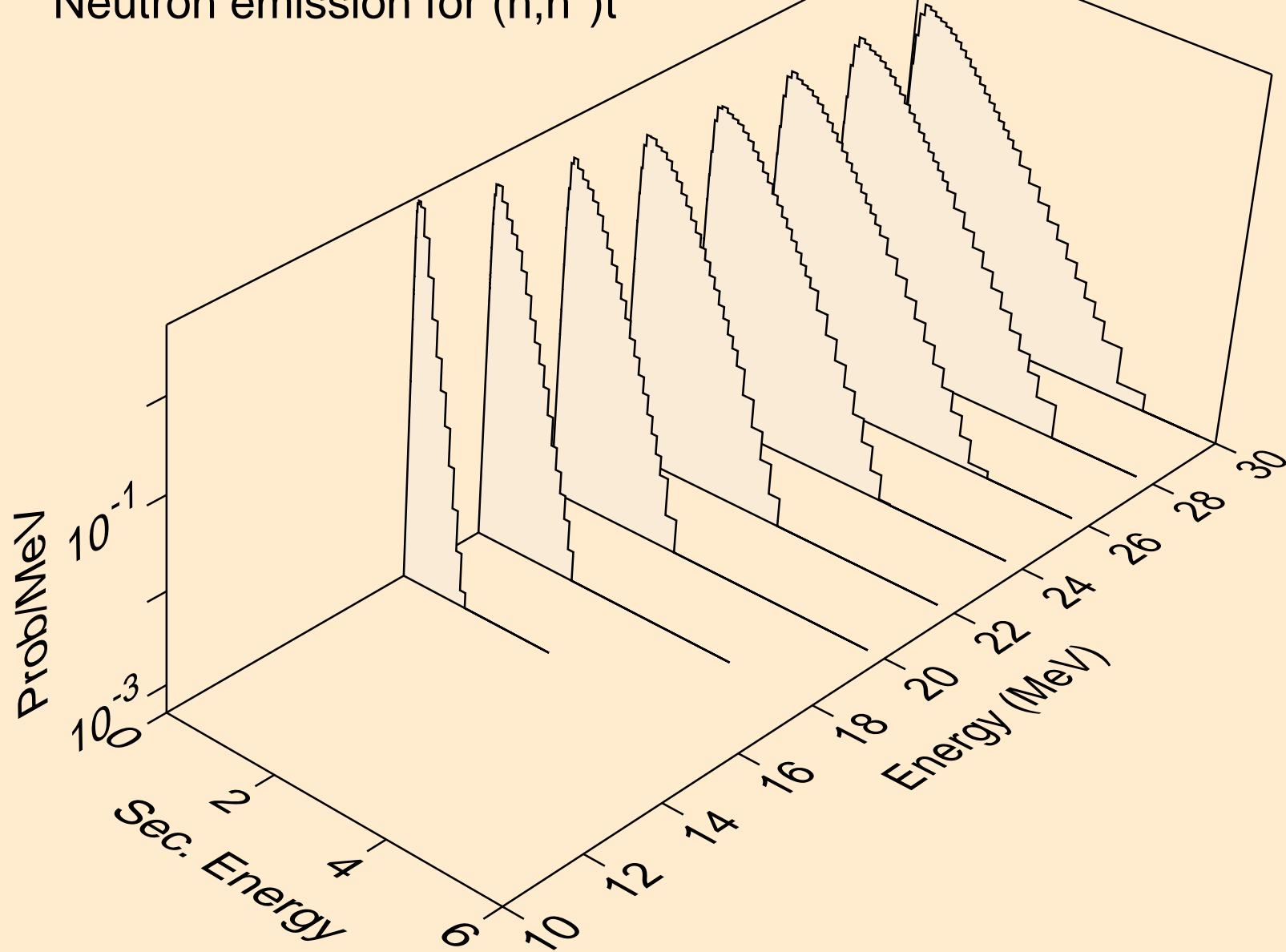
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Neutron emission for (n,2n)2a



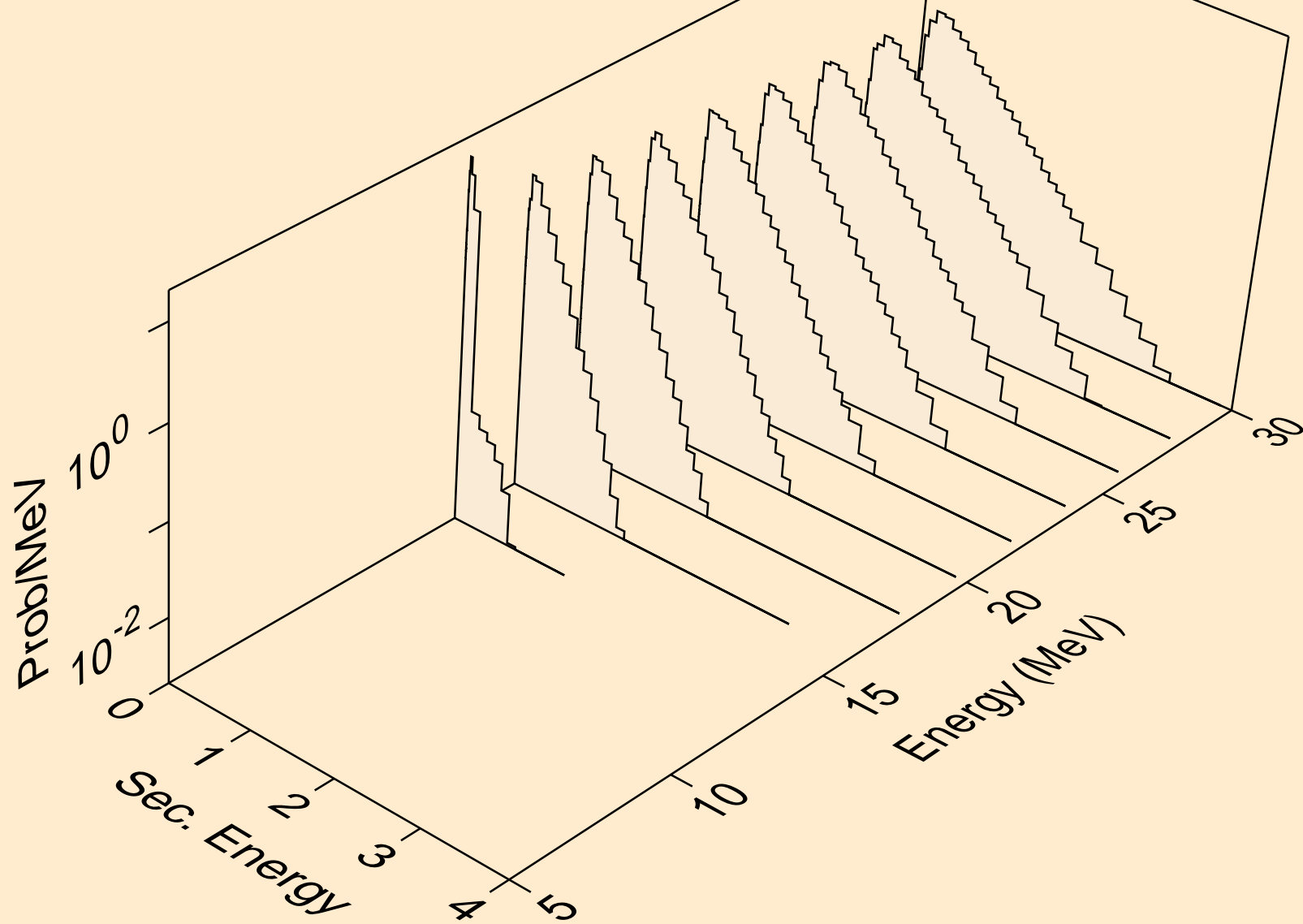
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Neutron emission for (n,n\*)d



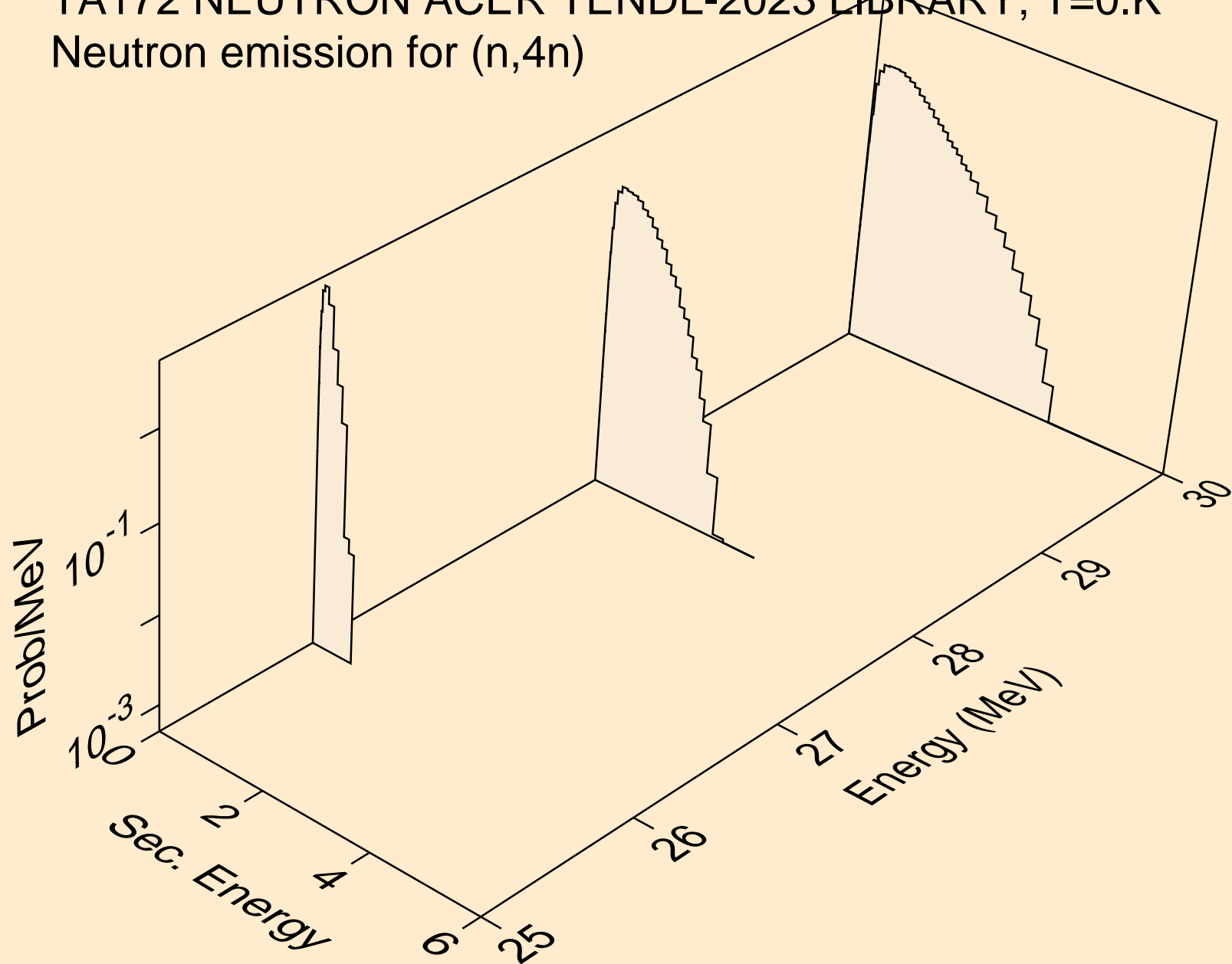
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Neutron emission for (n,n\*)t



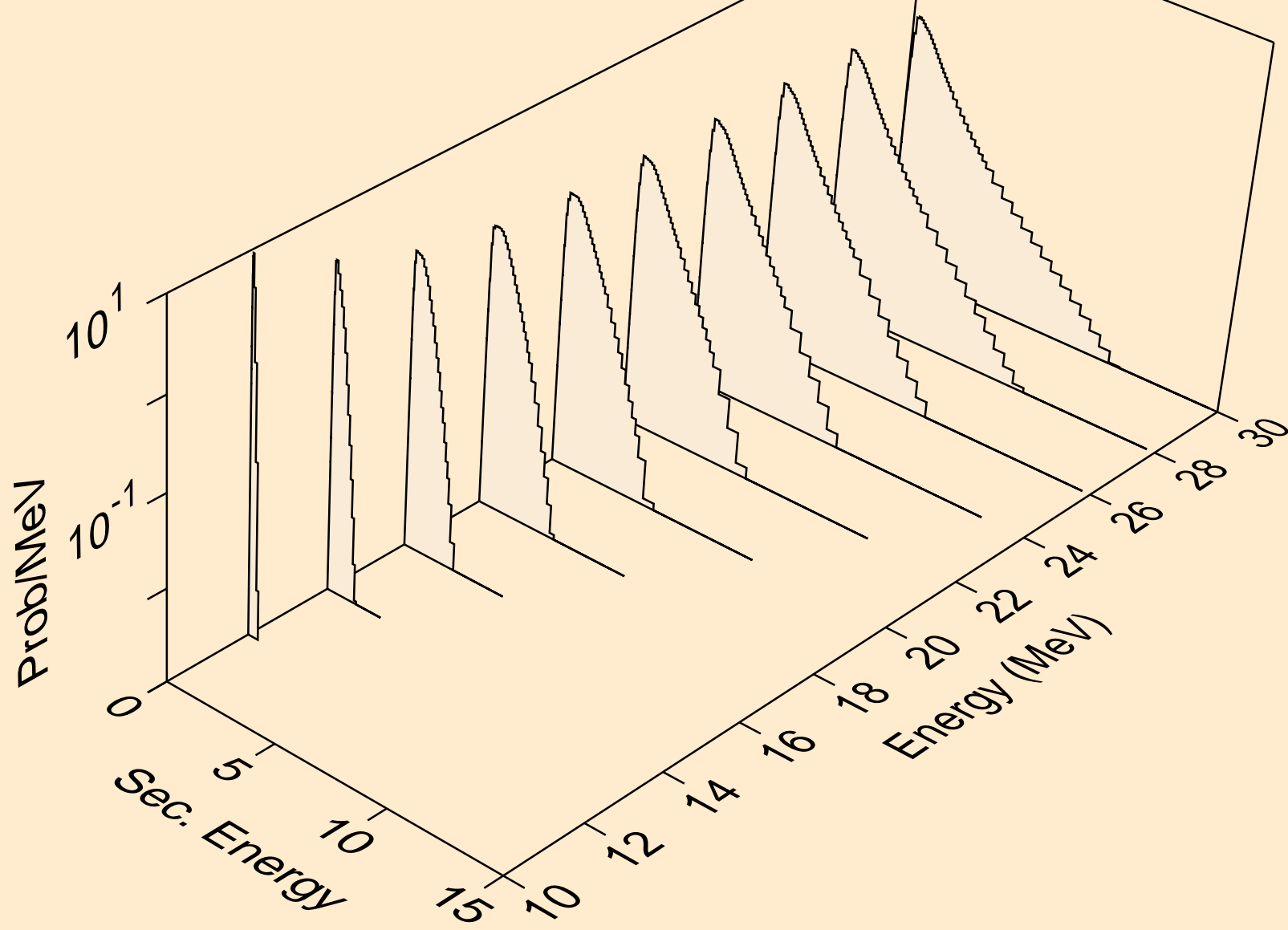
TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)

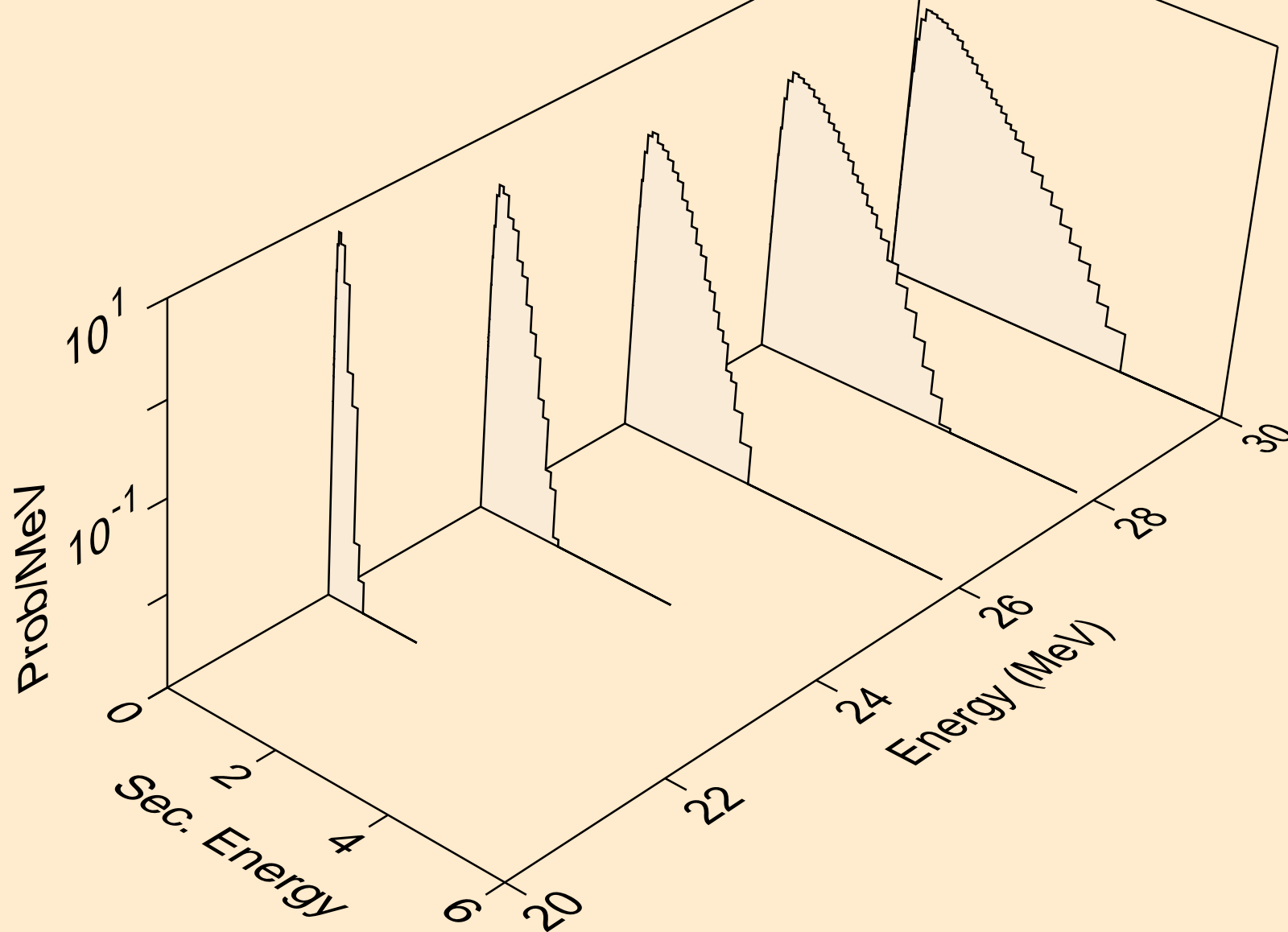


TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)

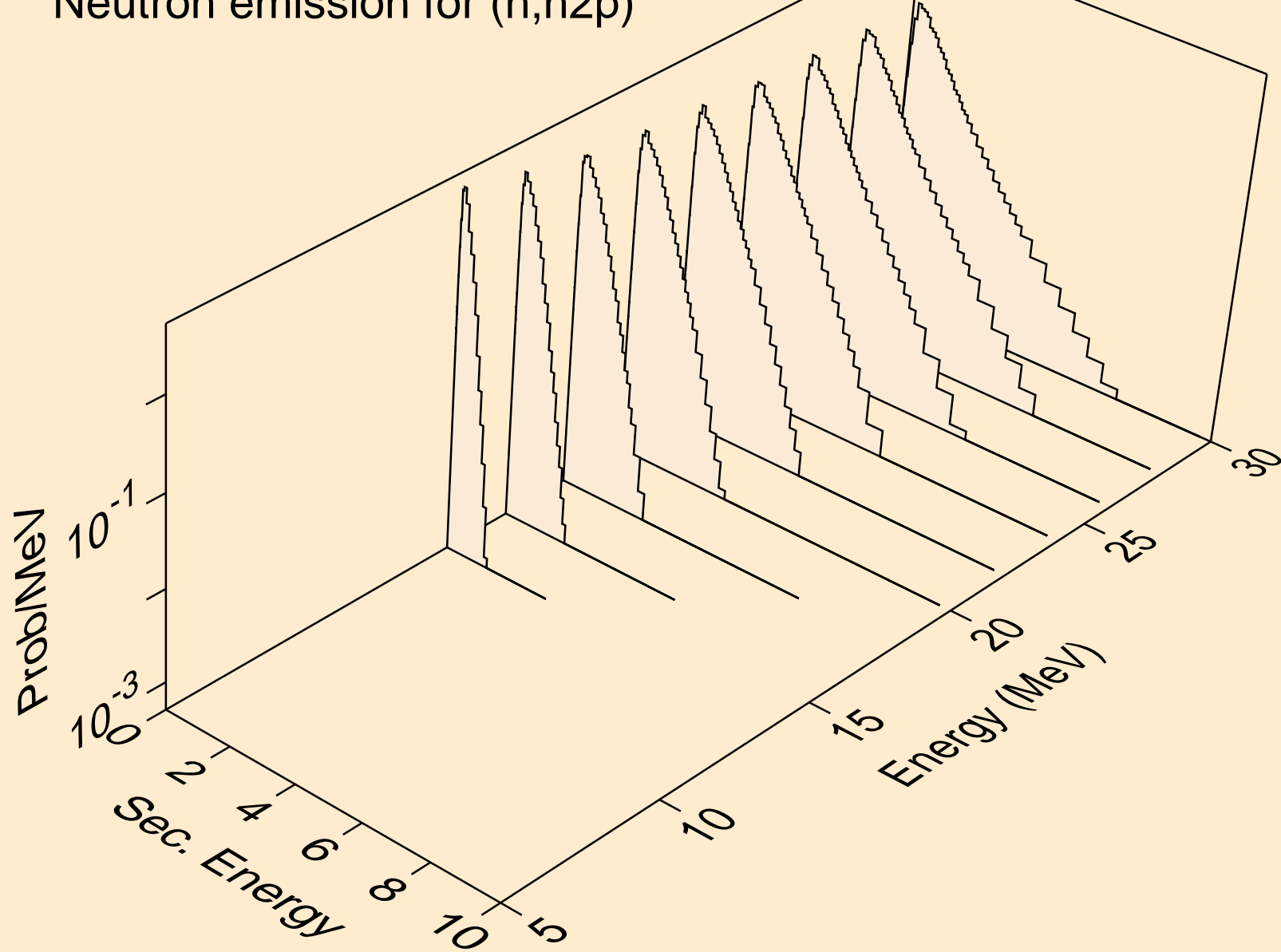




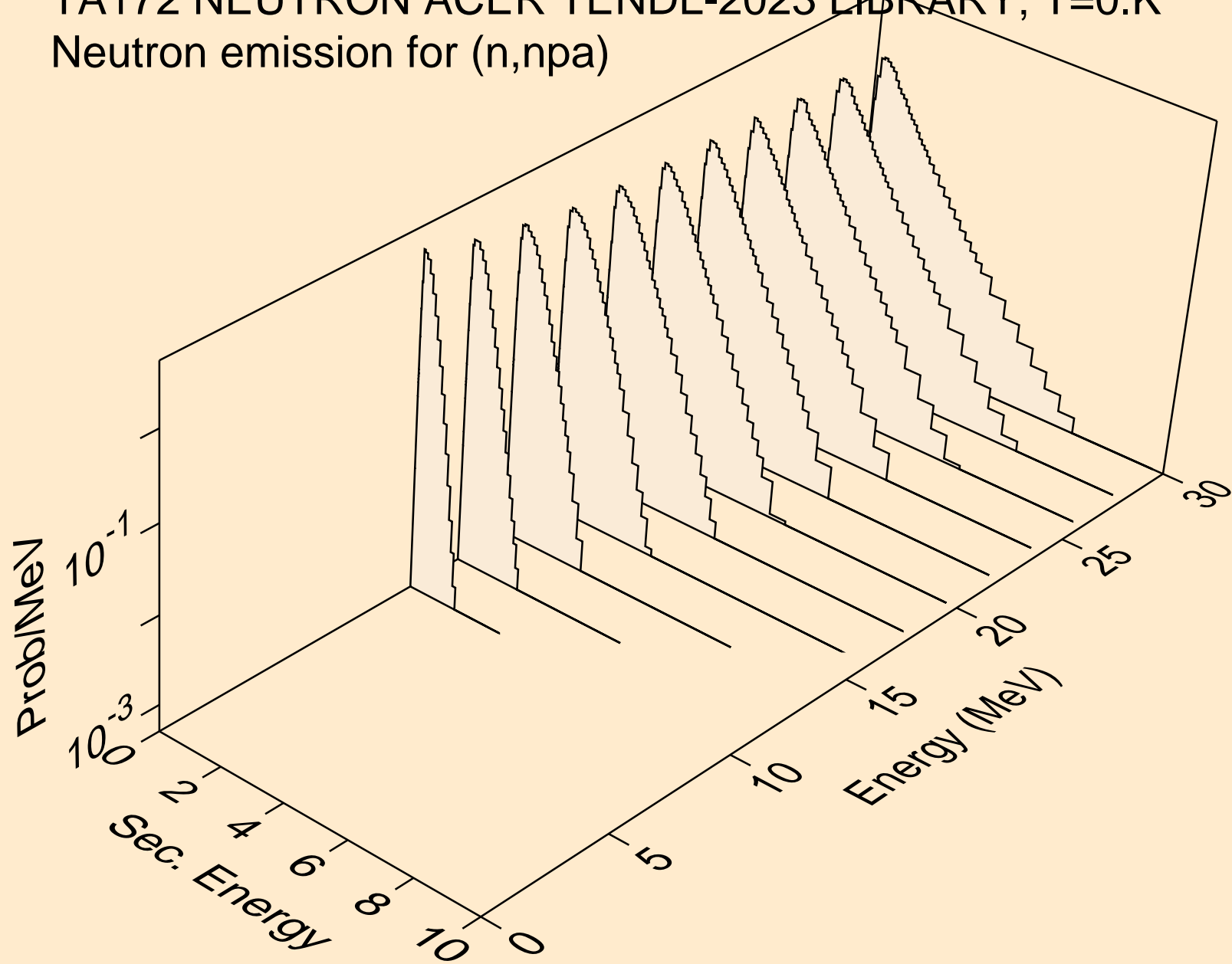
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Neutron emission for (n,3np)



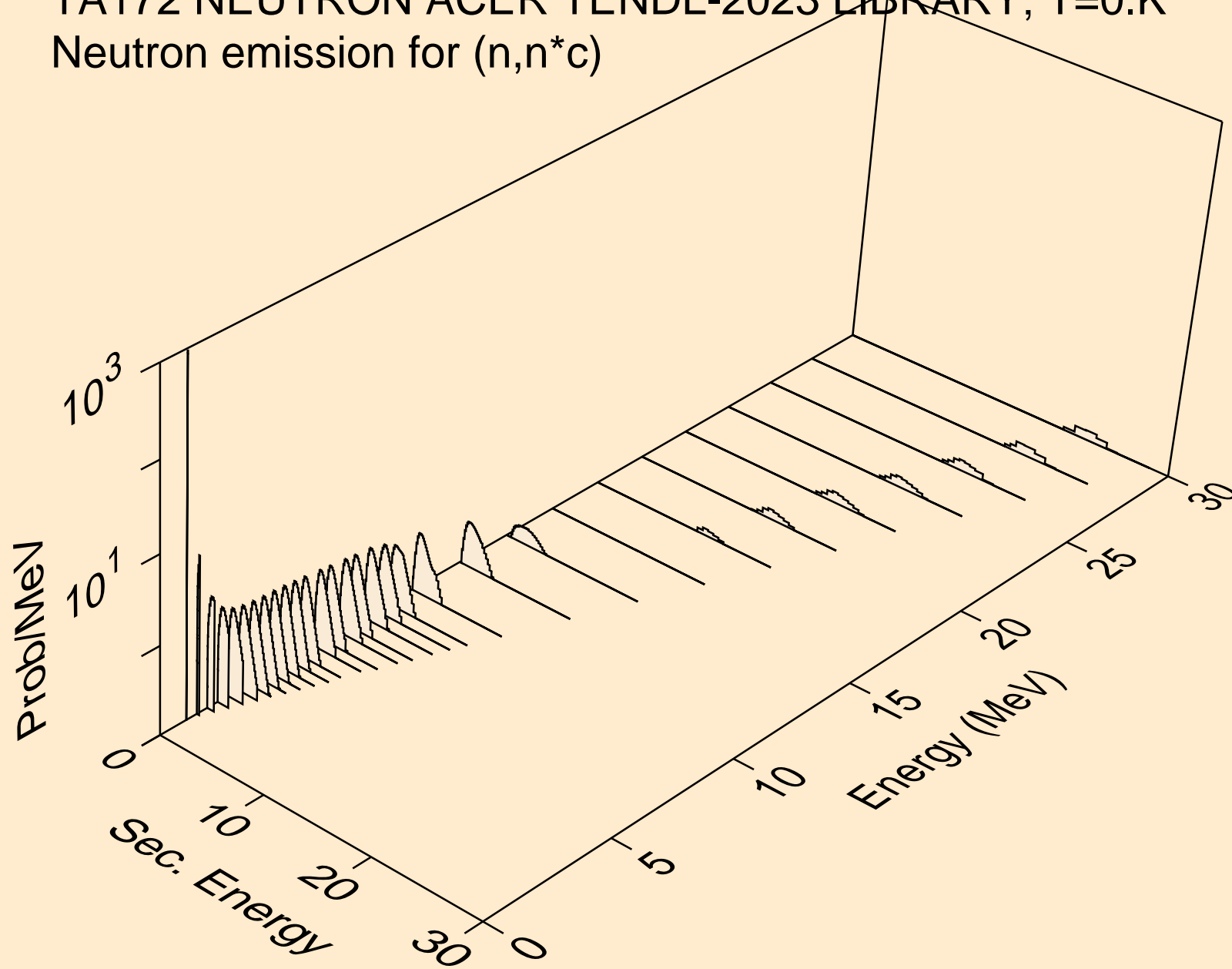
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Neutron emission for (n,n2p)



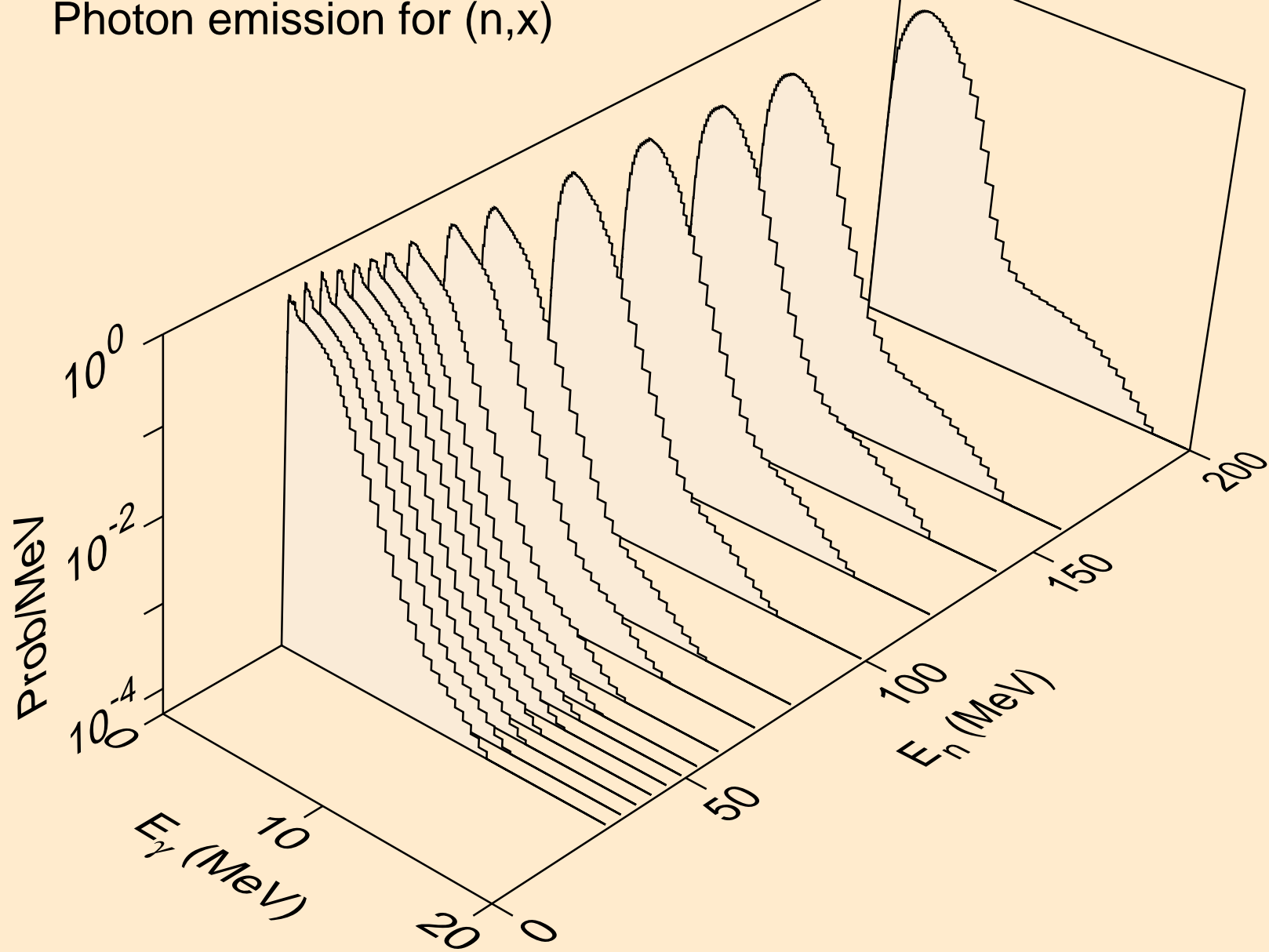
TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



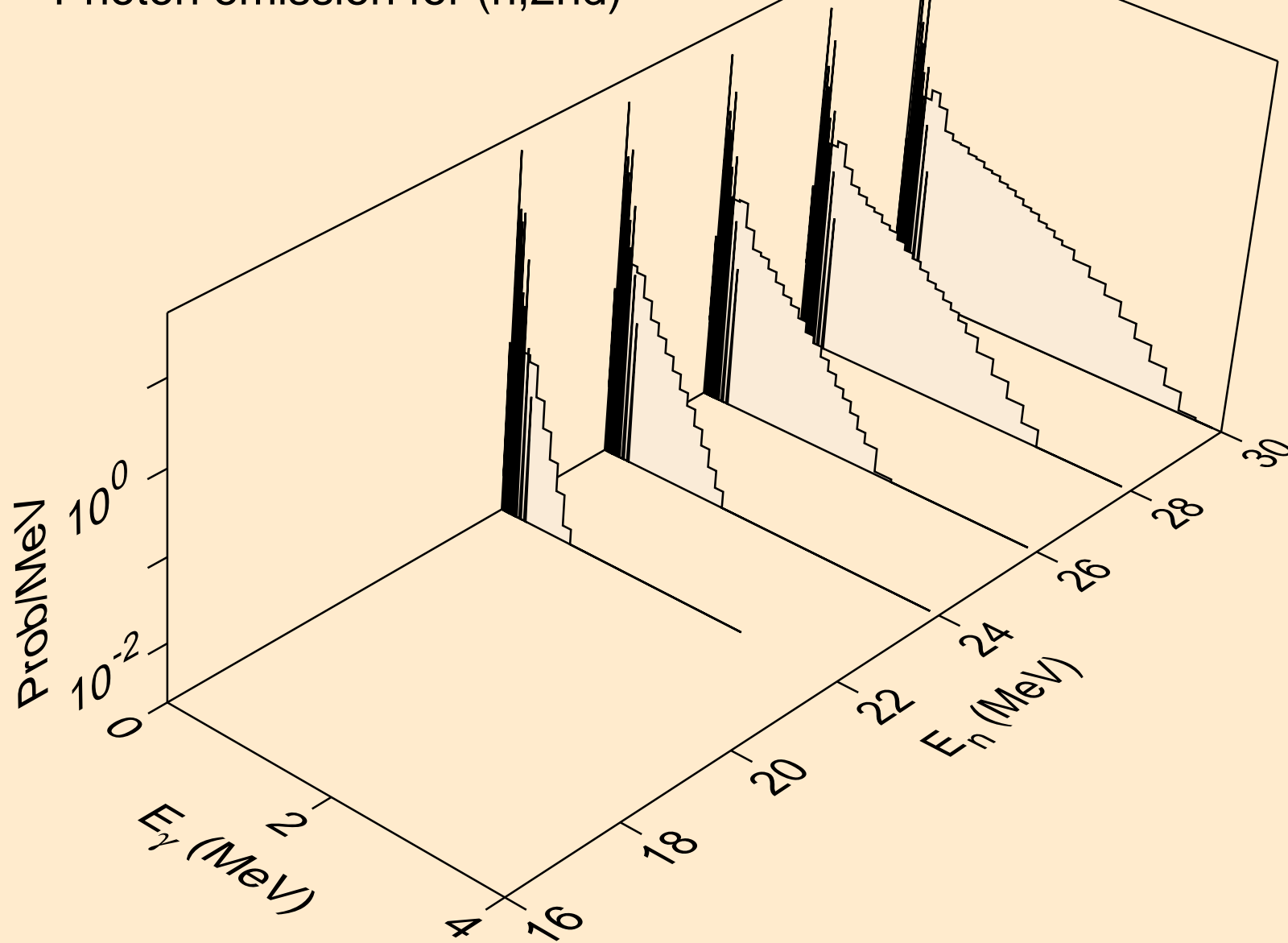
TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



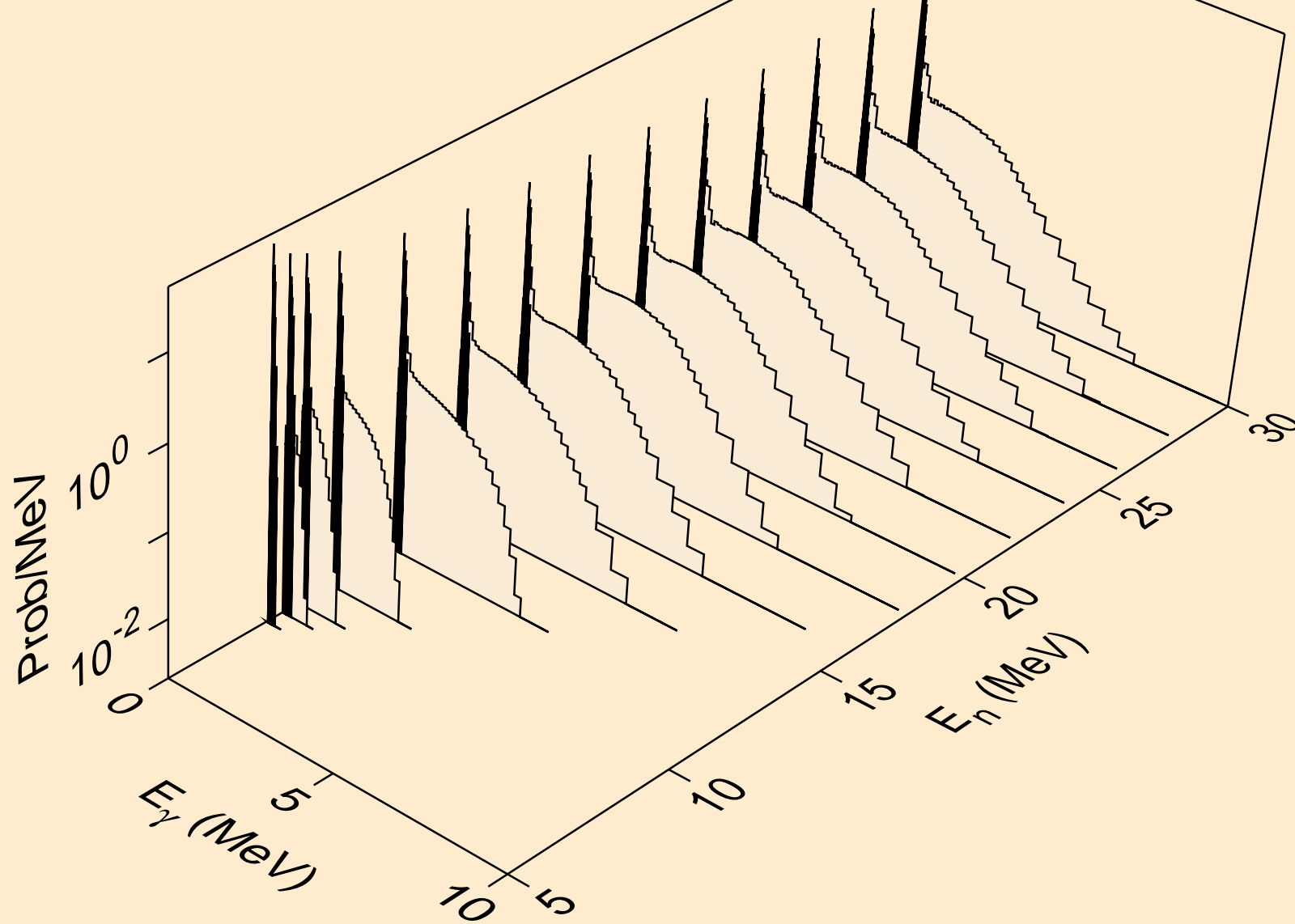
TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



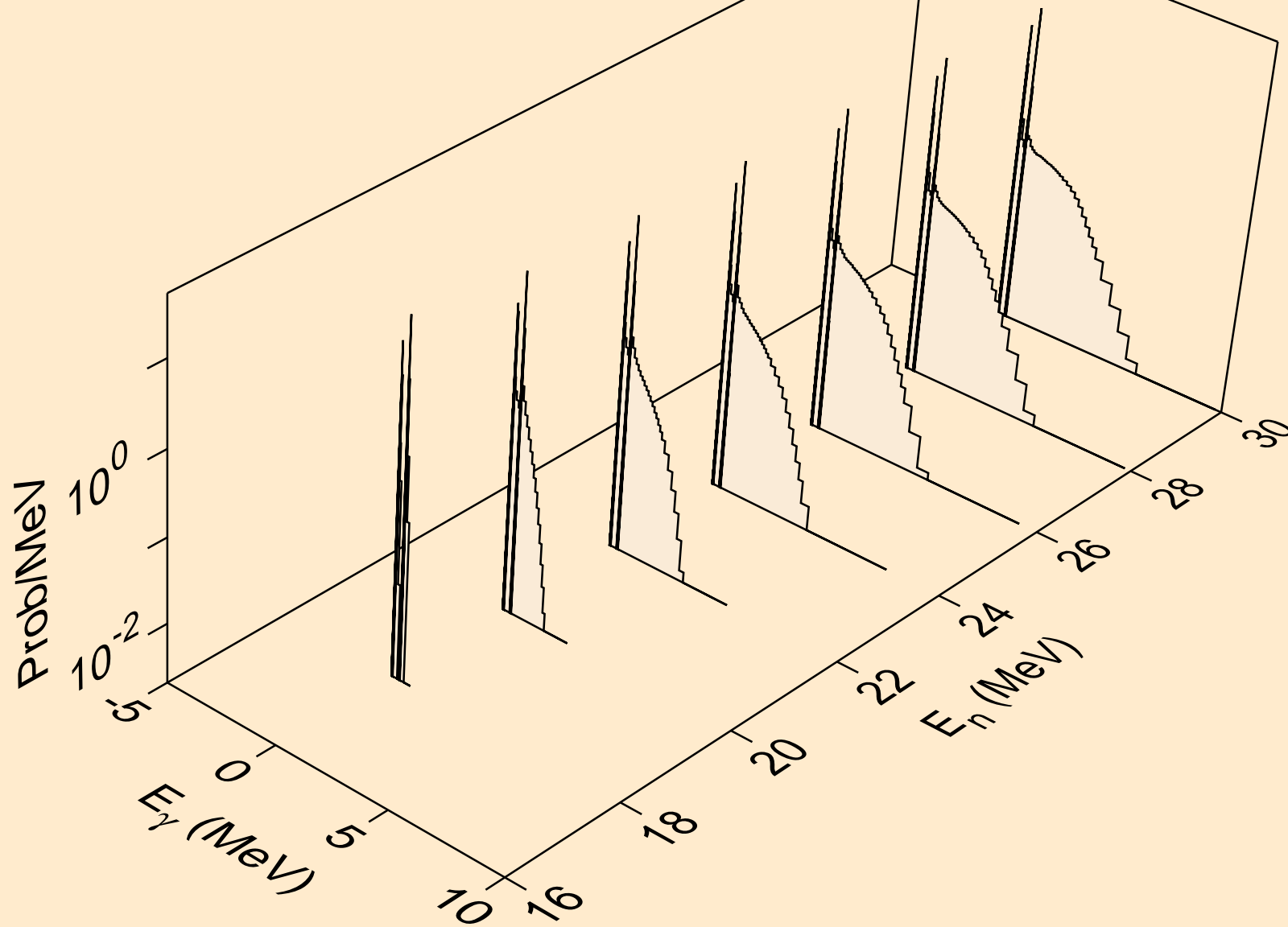
TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)

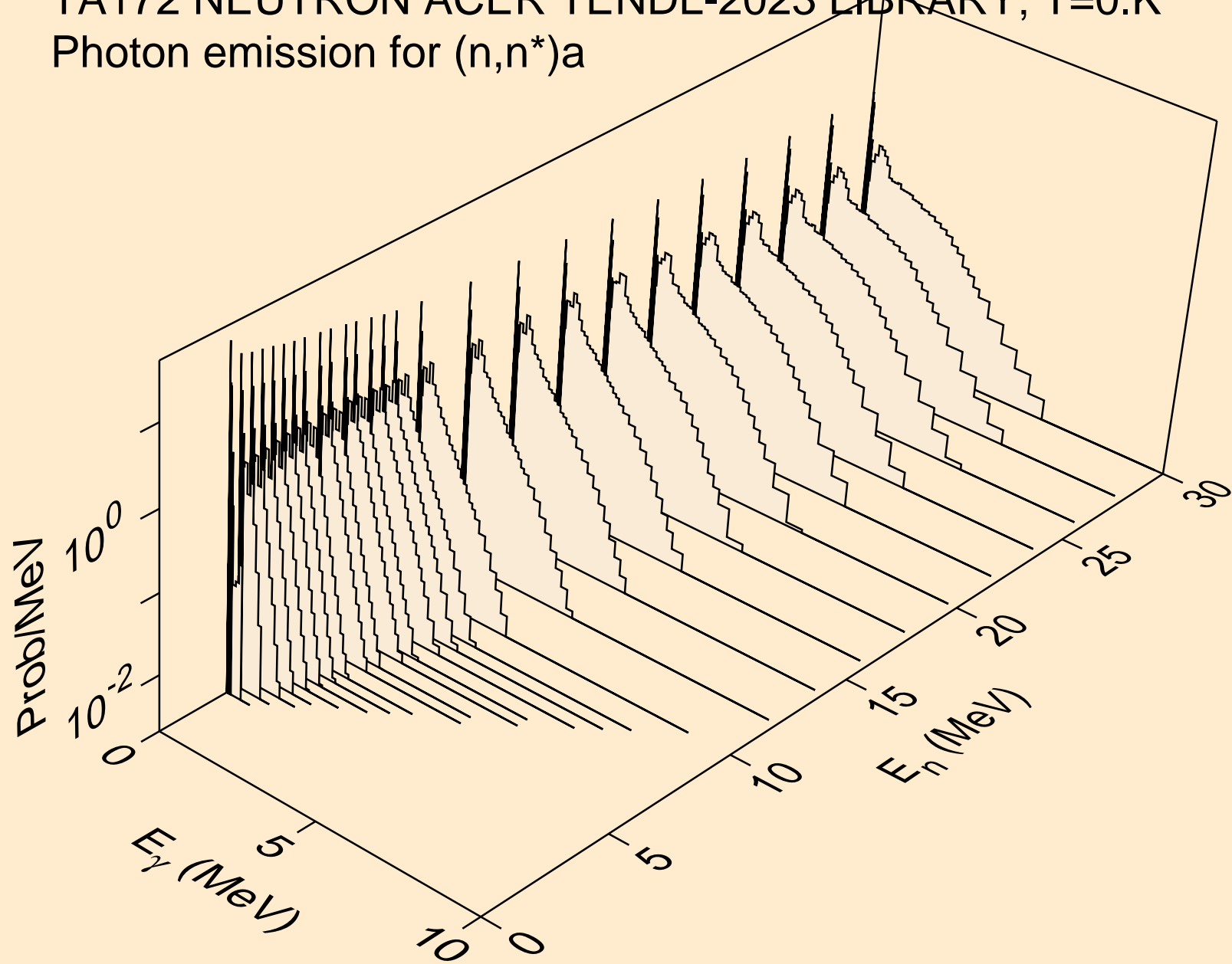


TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)

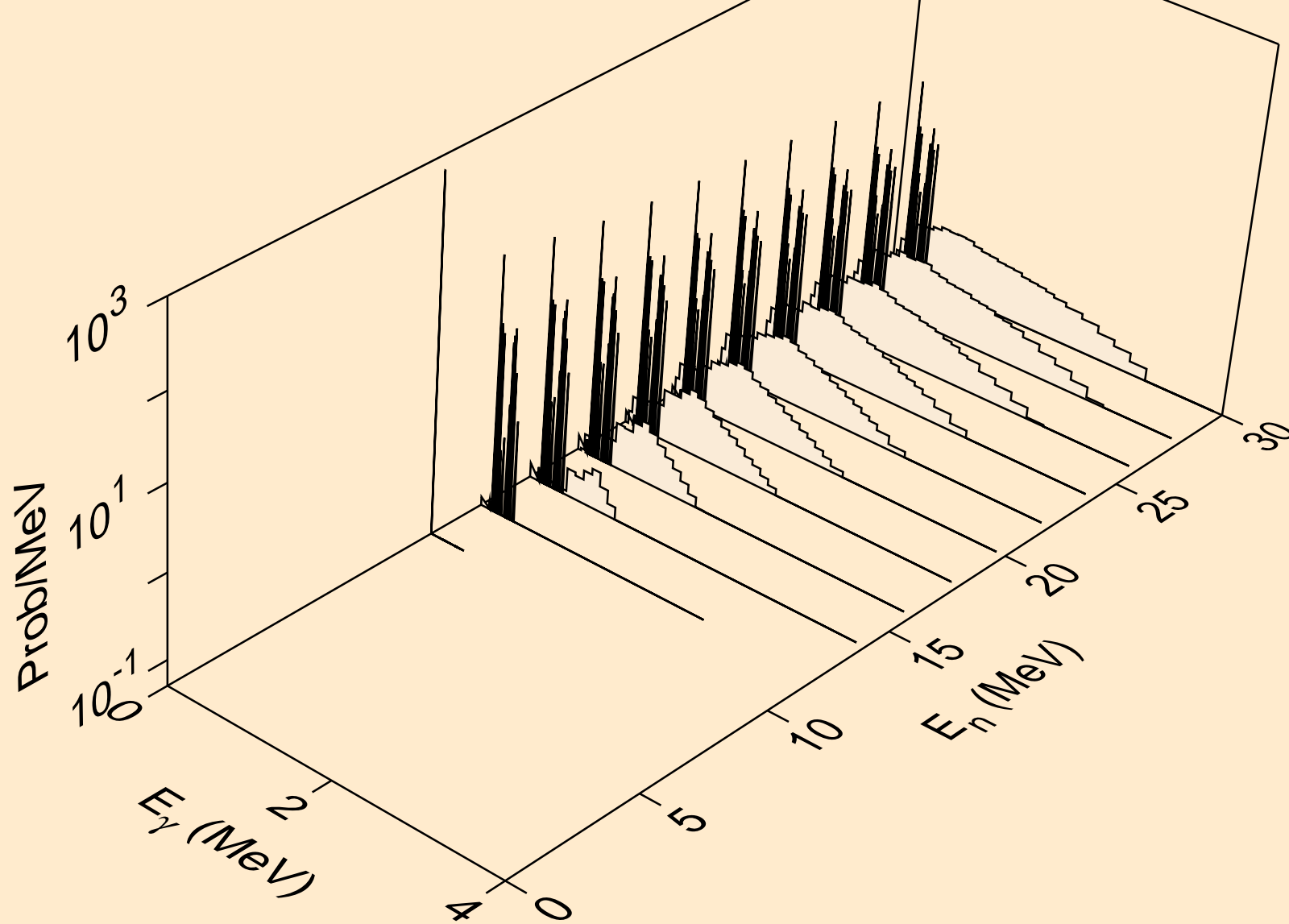




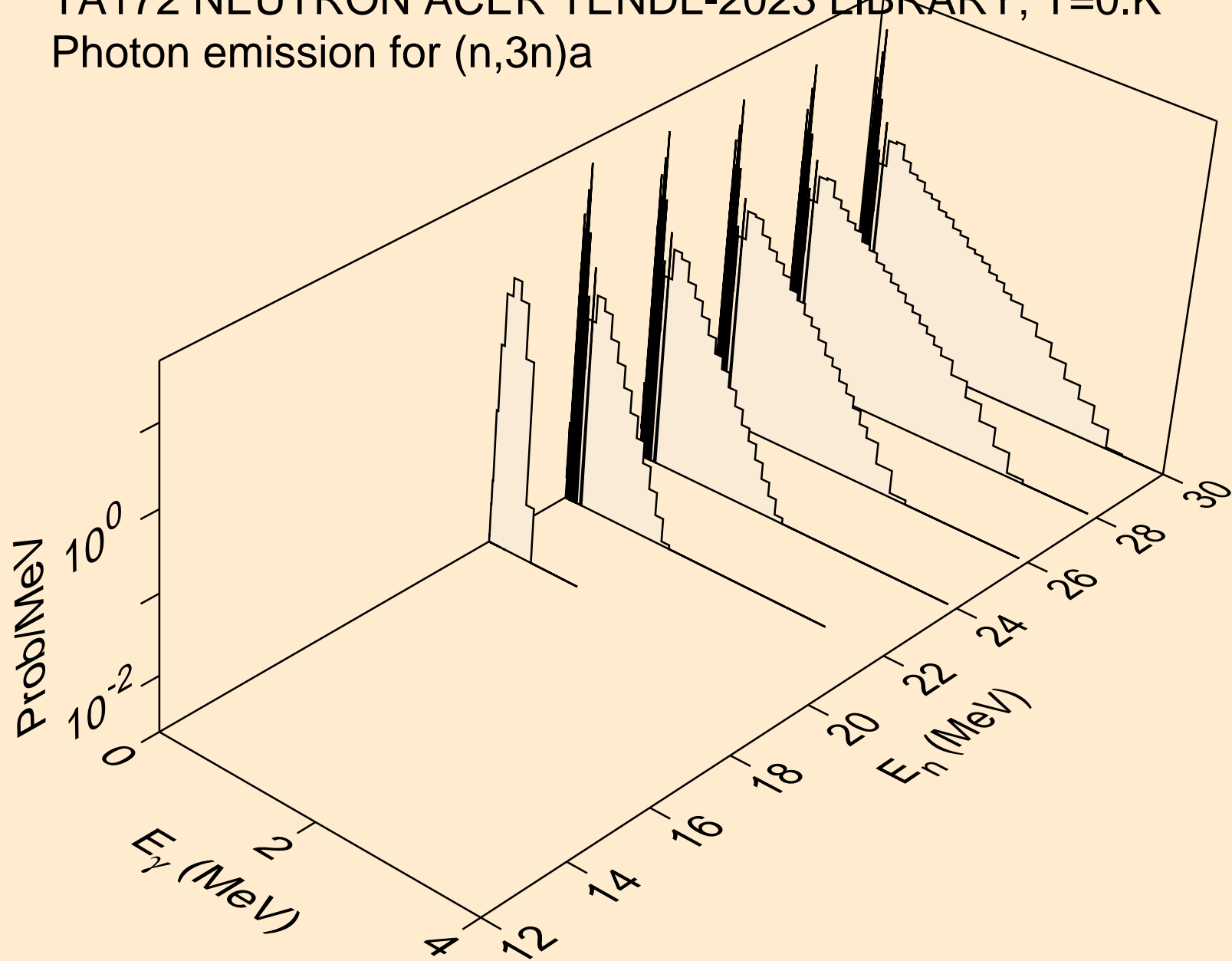
TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



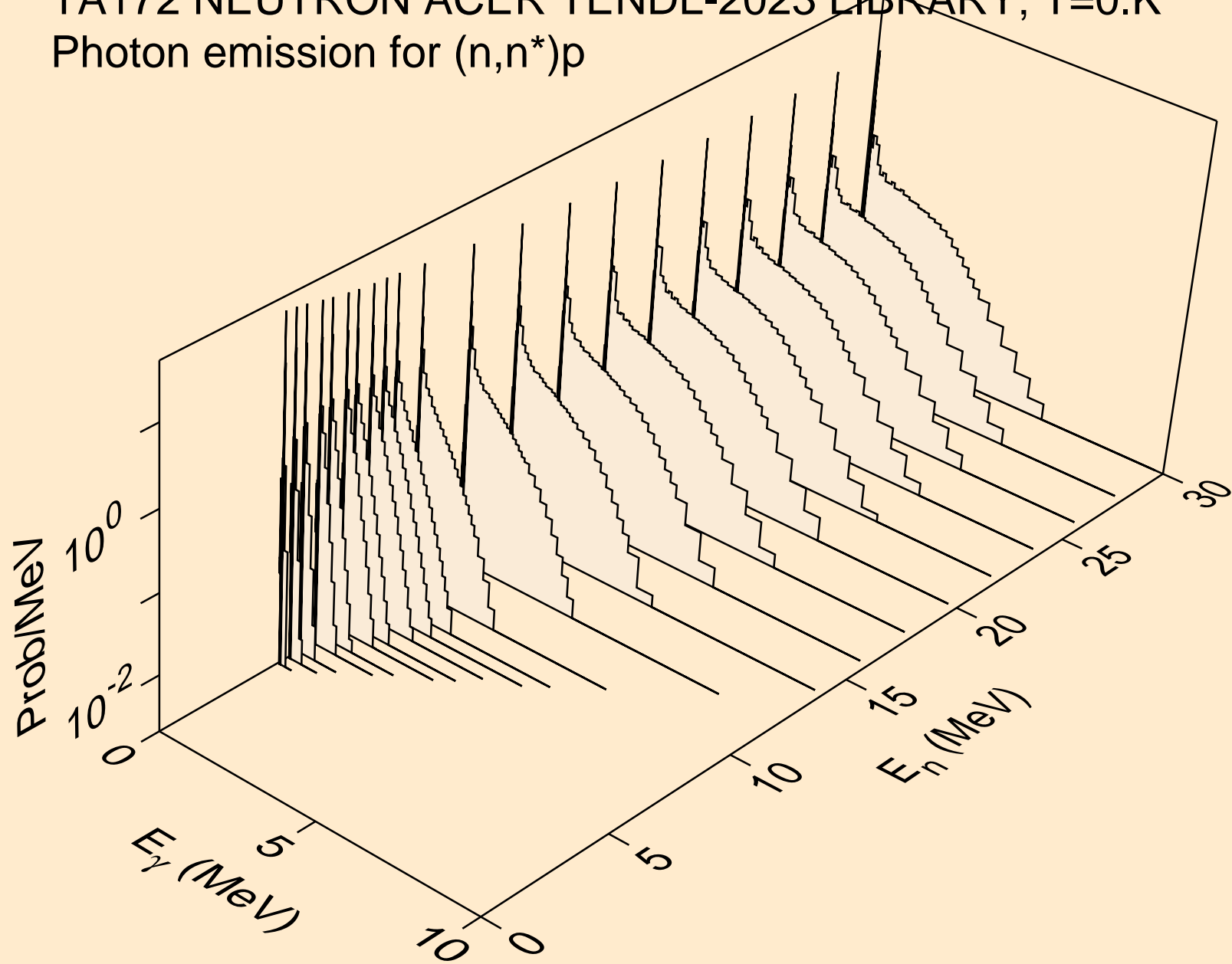
TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



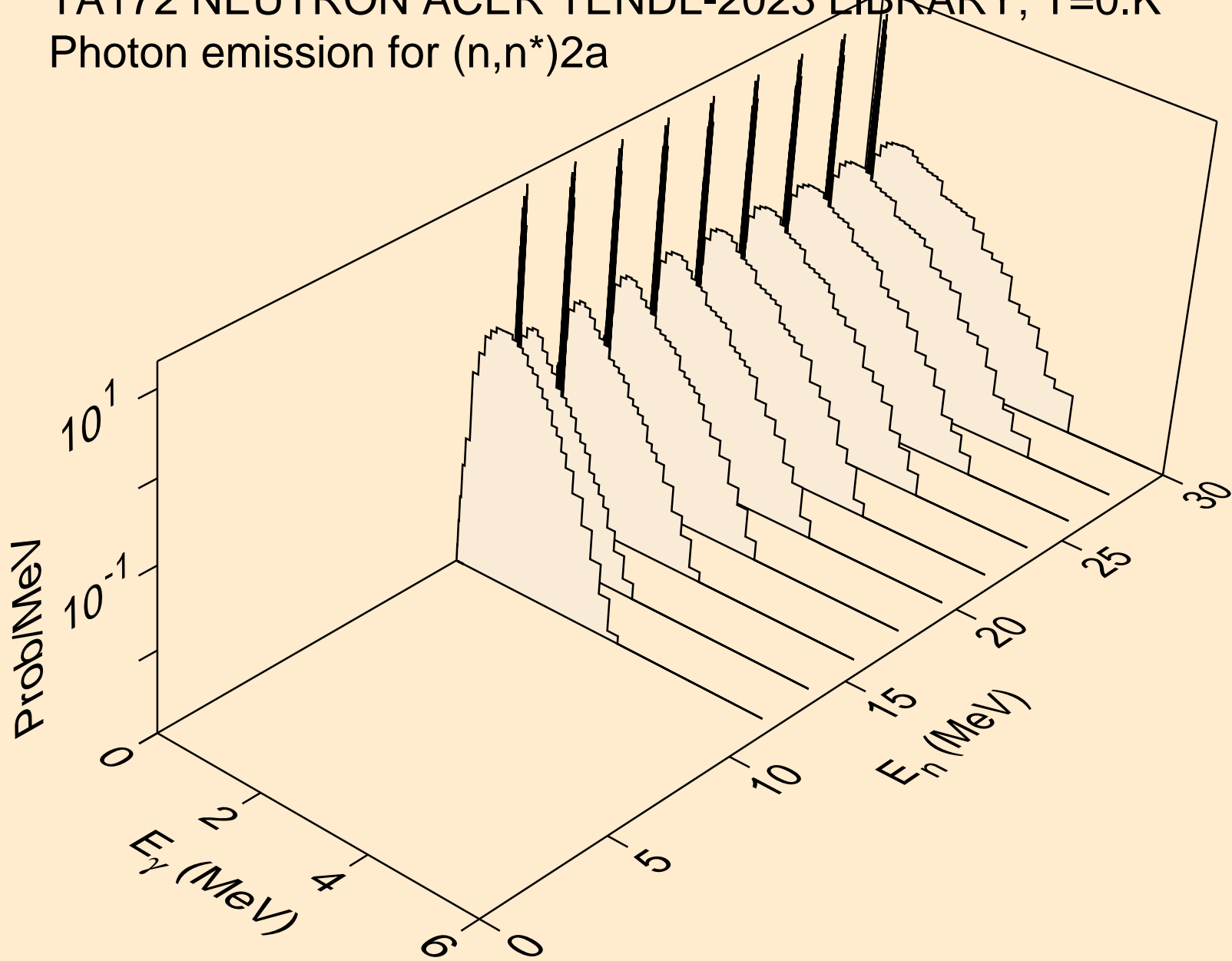
TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



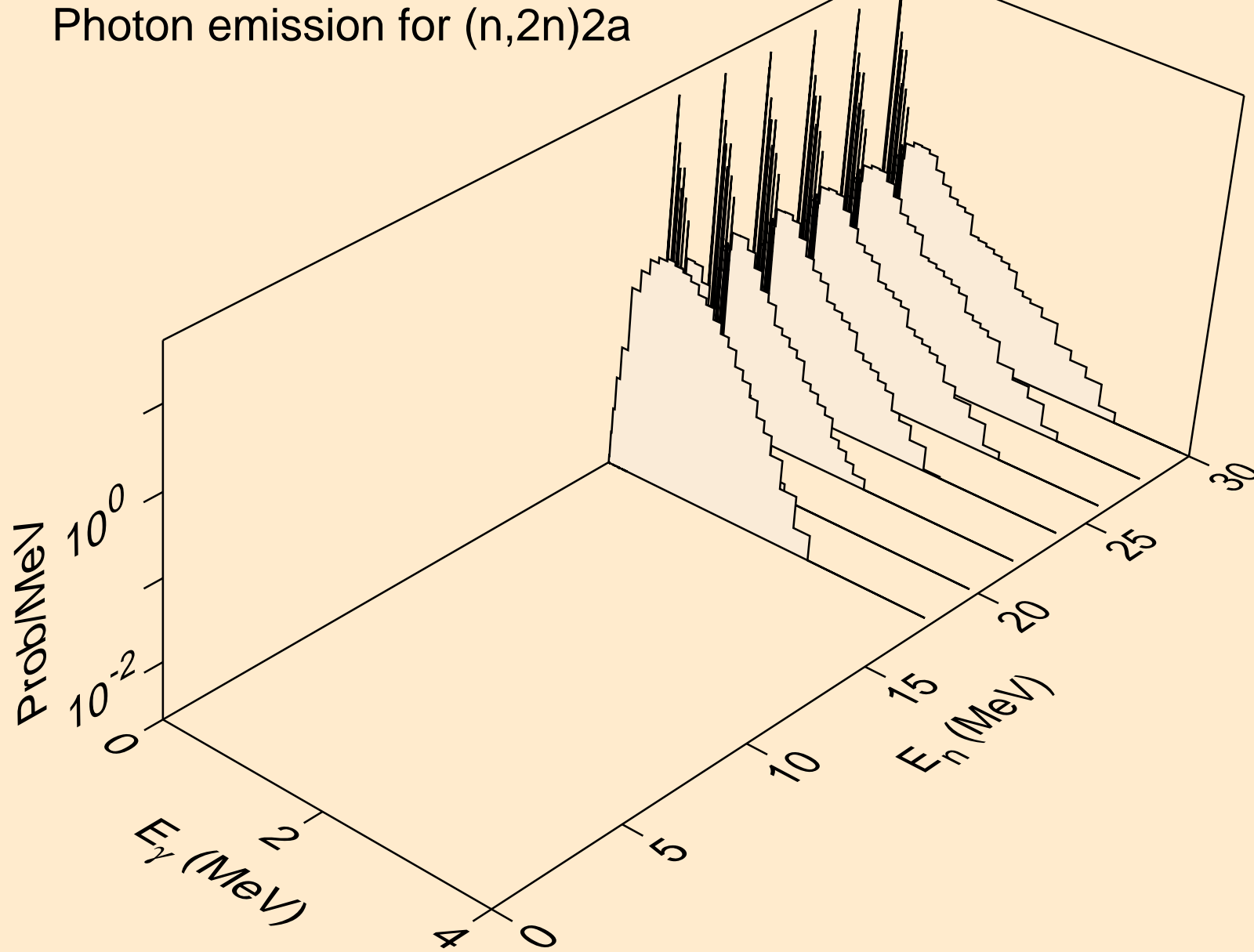
TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



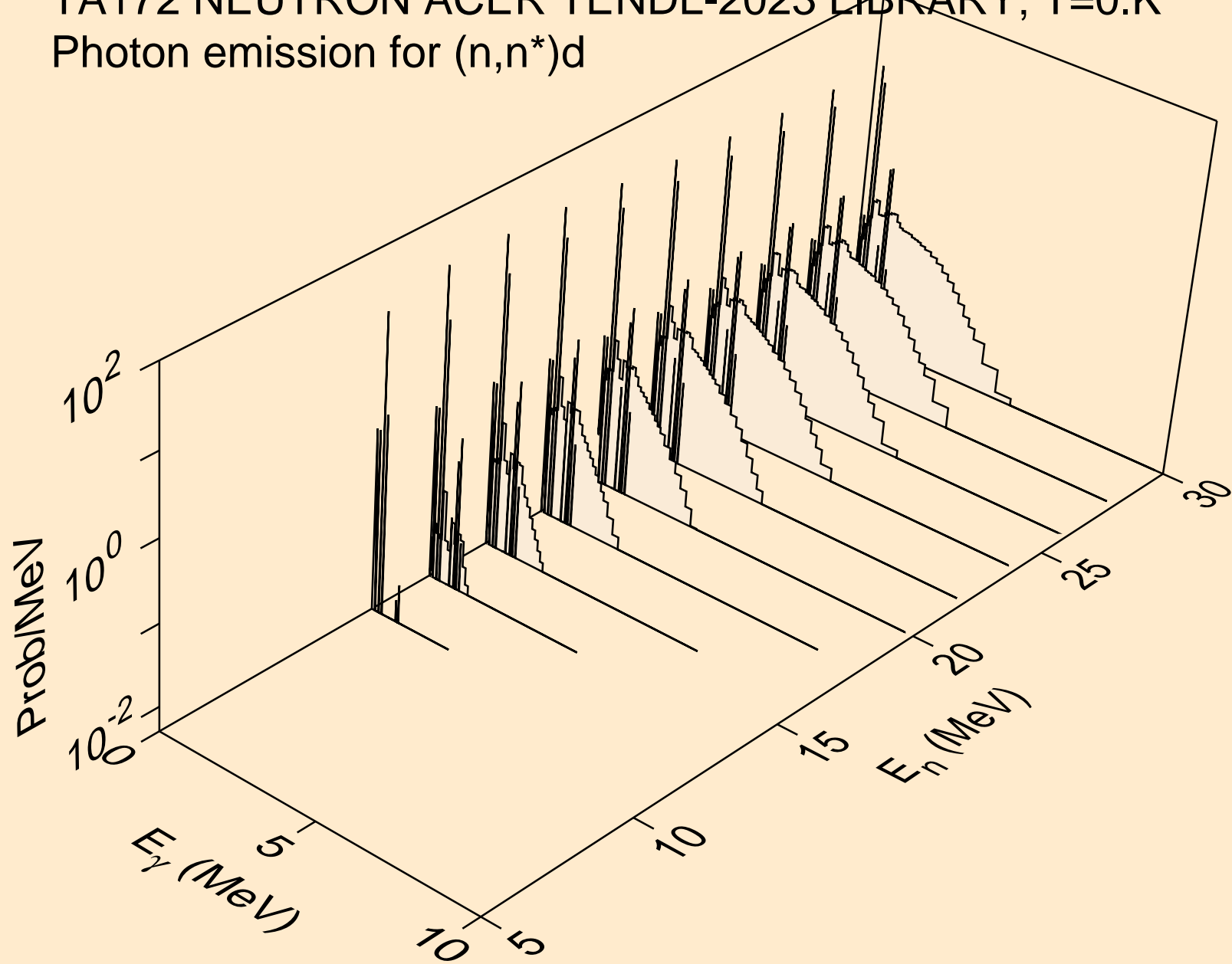
TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



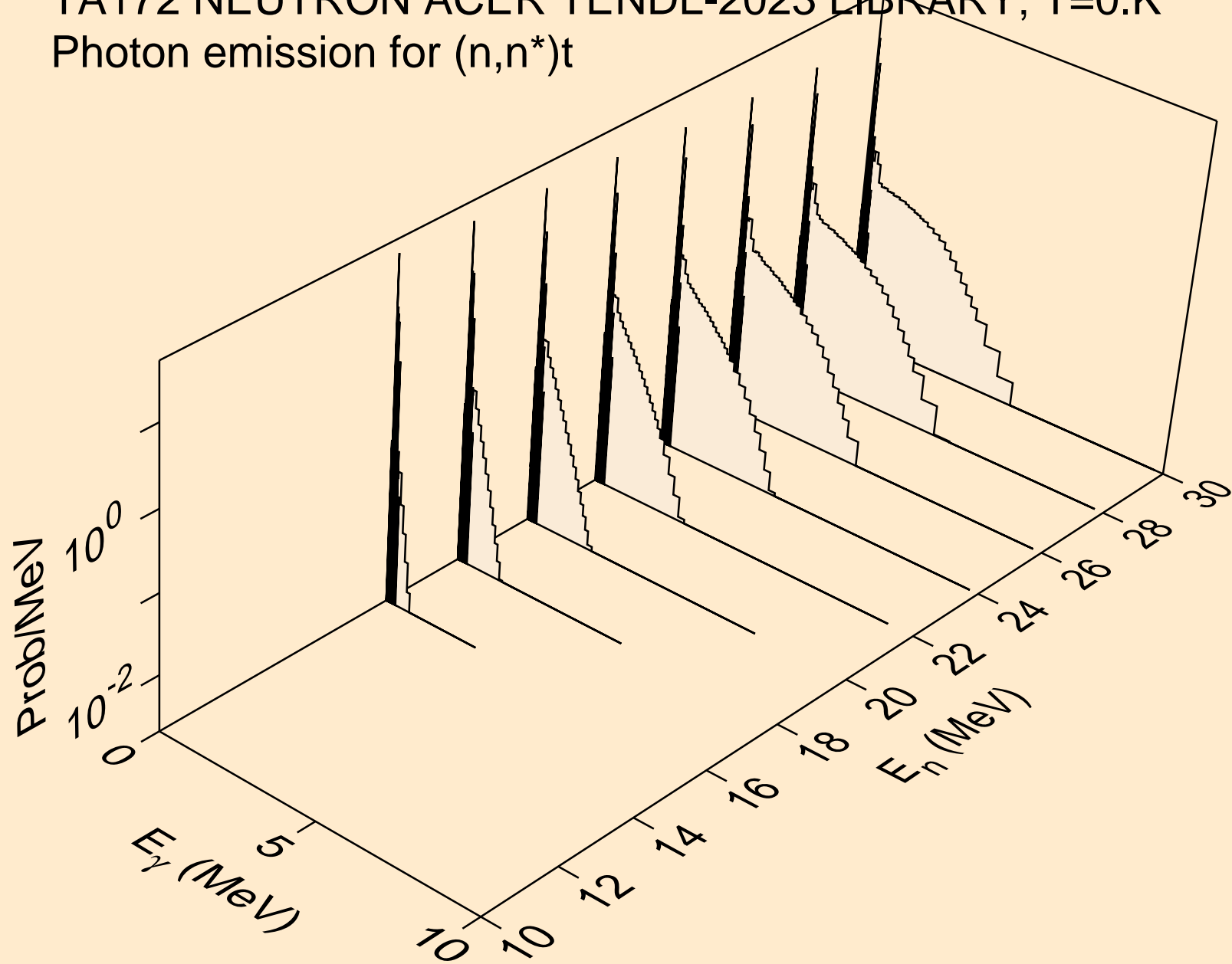
TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

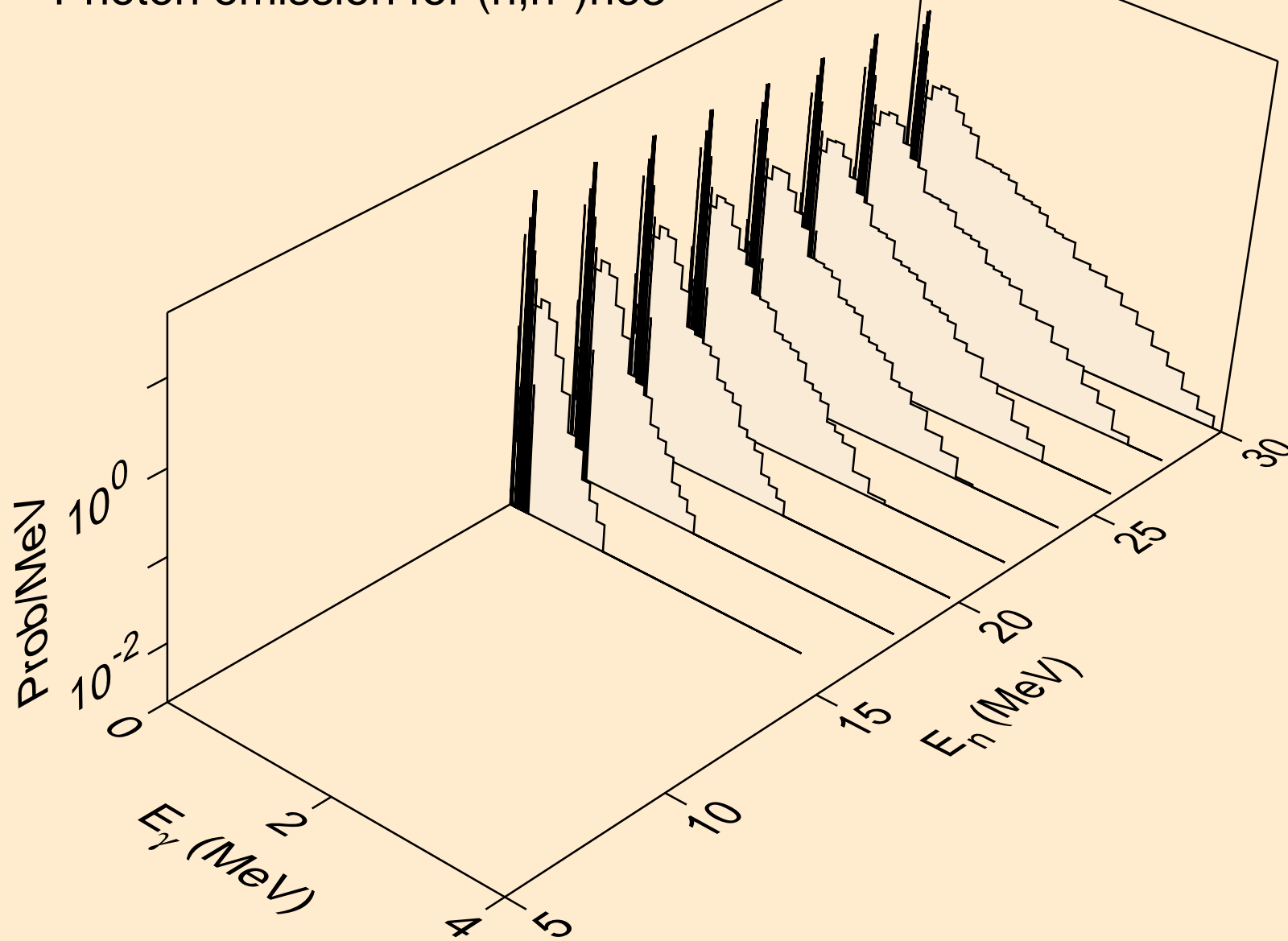


TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

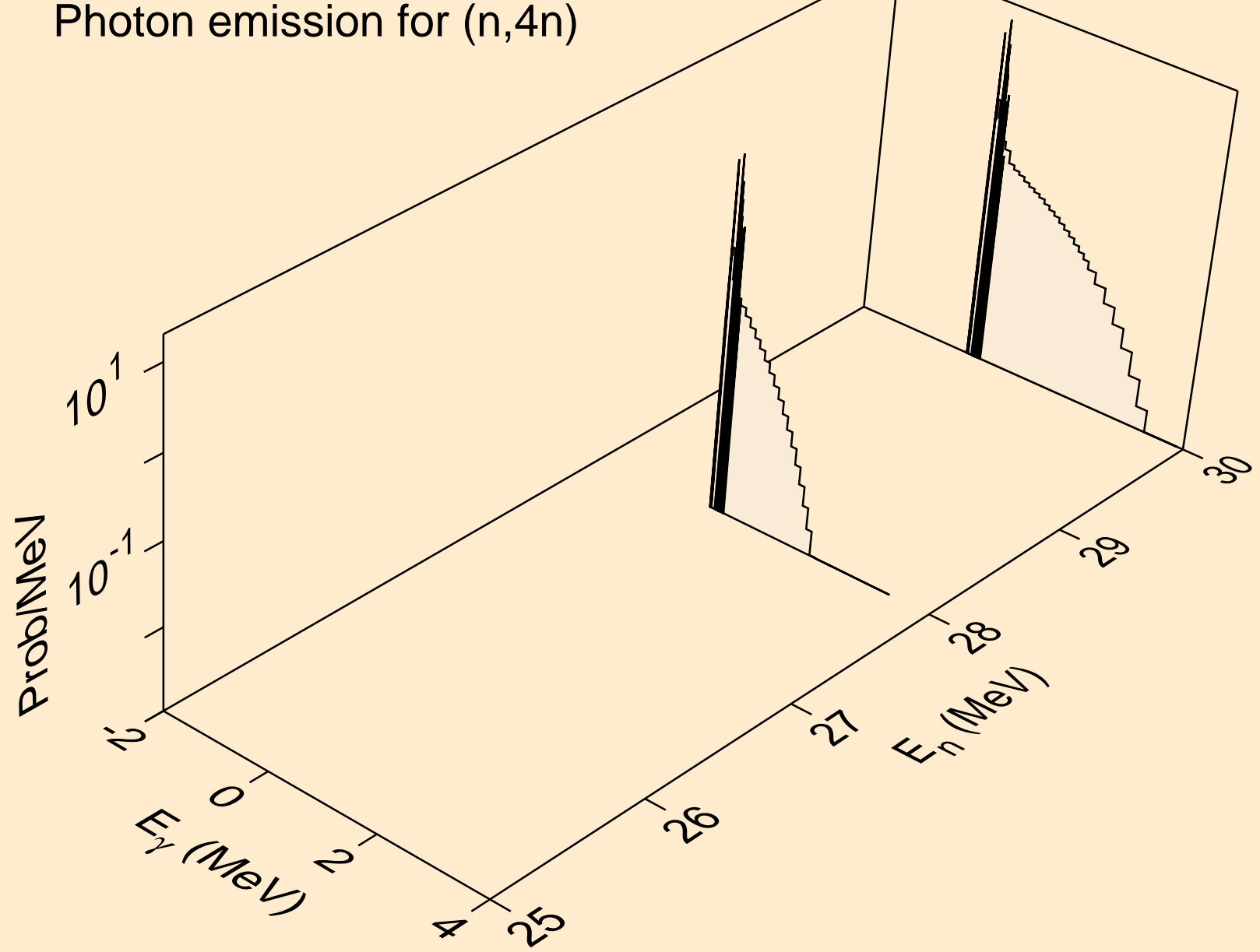




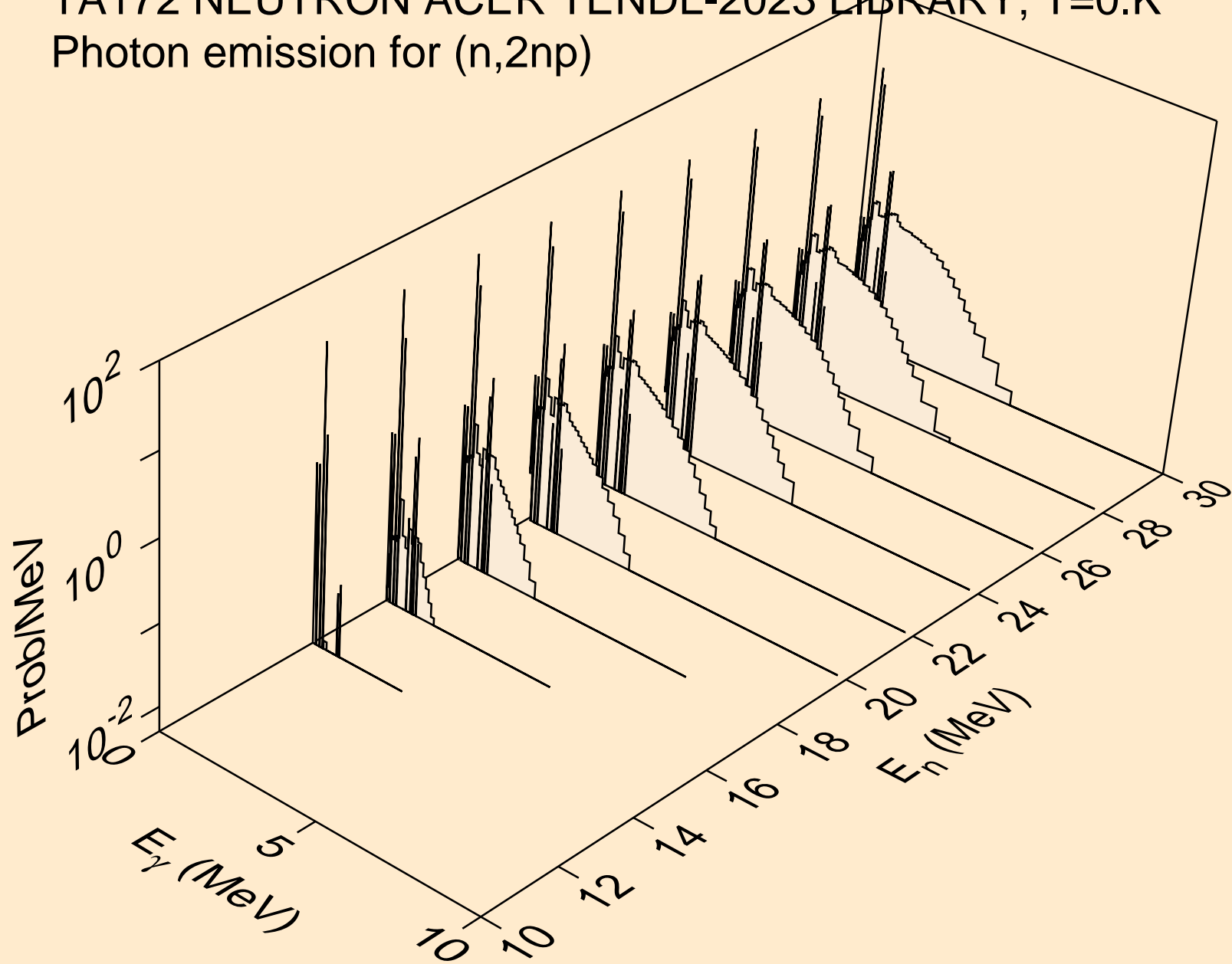
TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



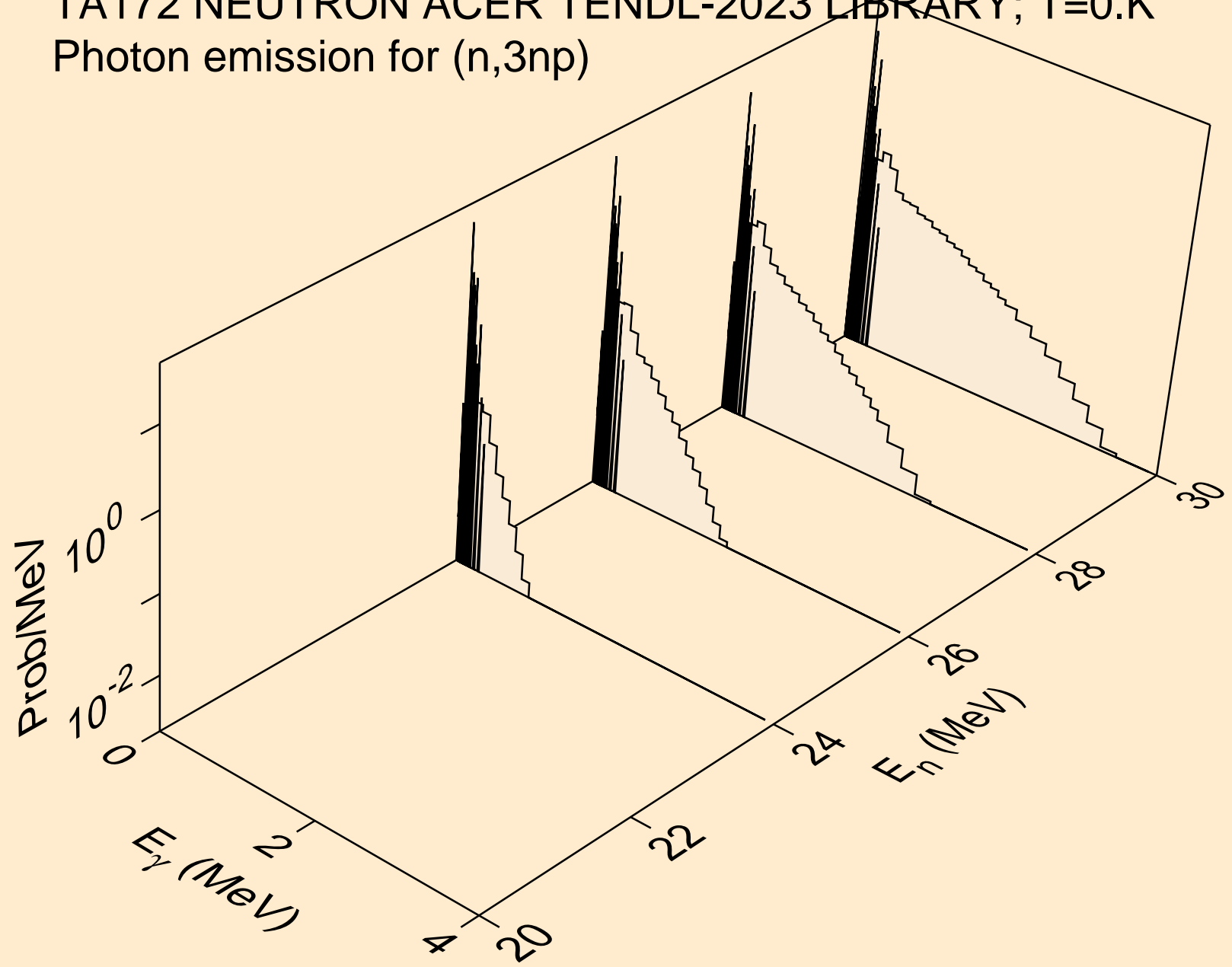
TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



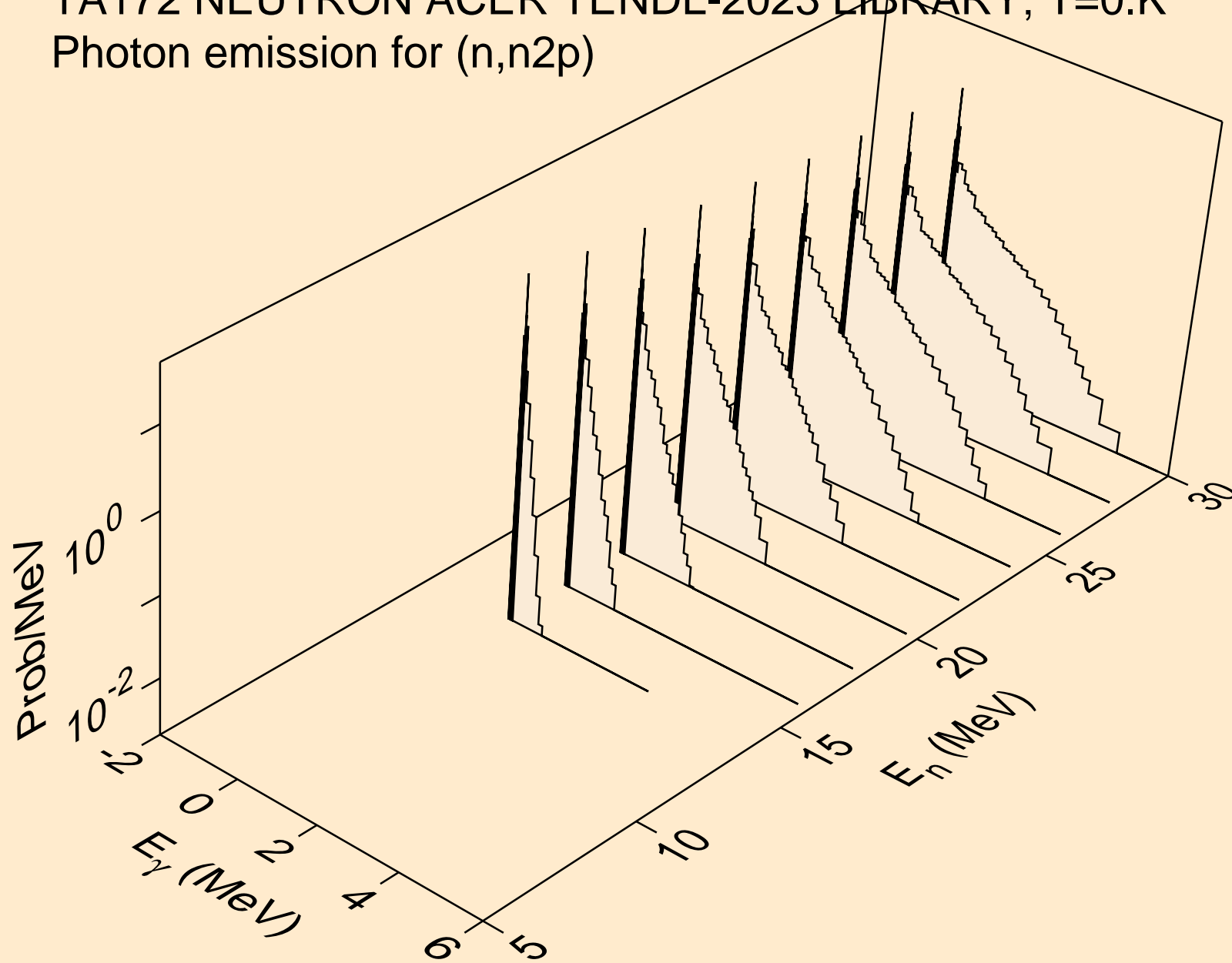
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Photon emission for (n,2np)



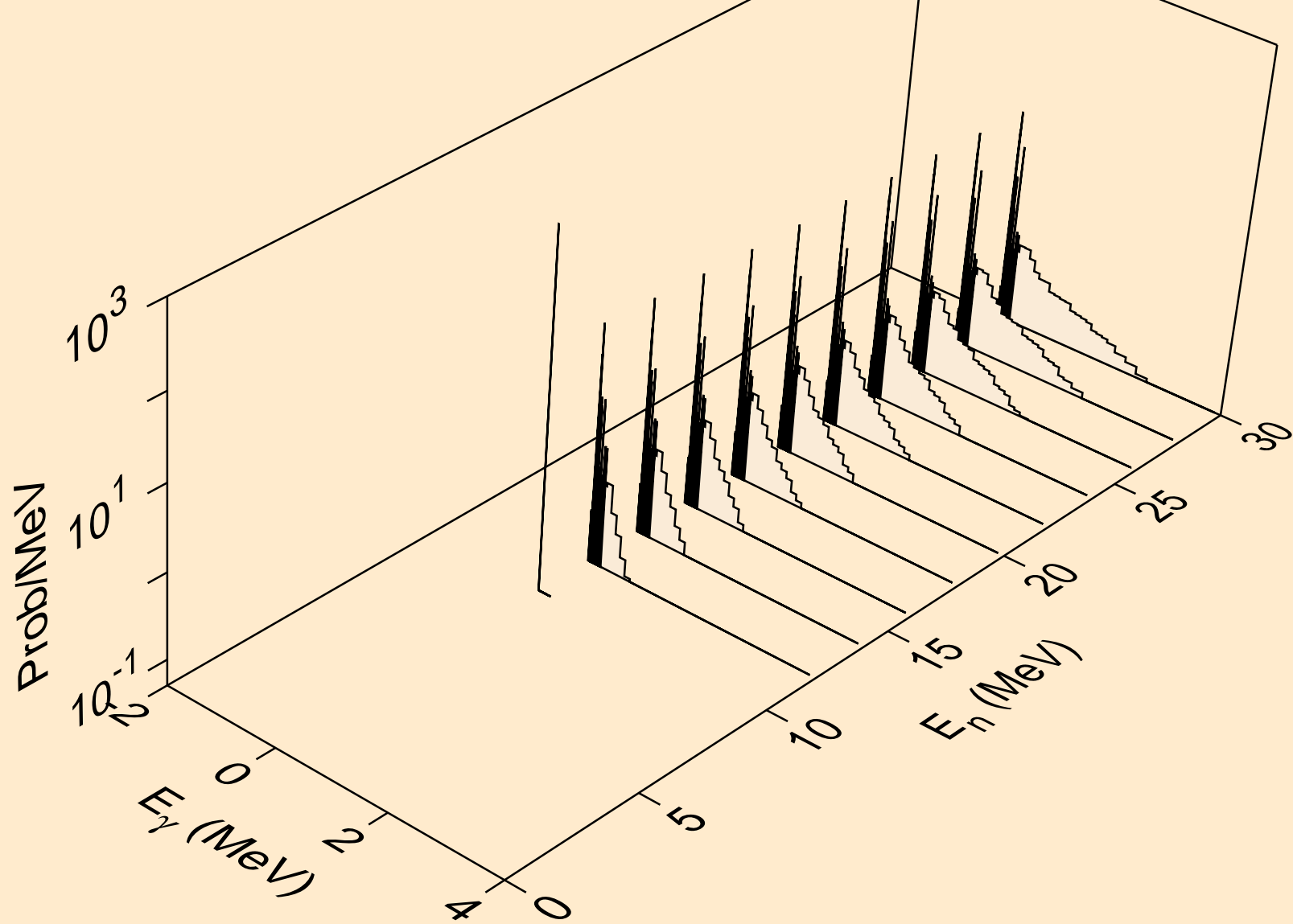
TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



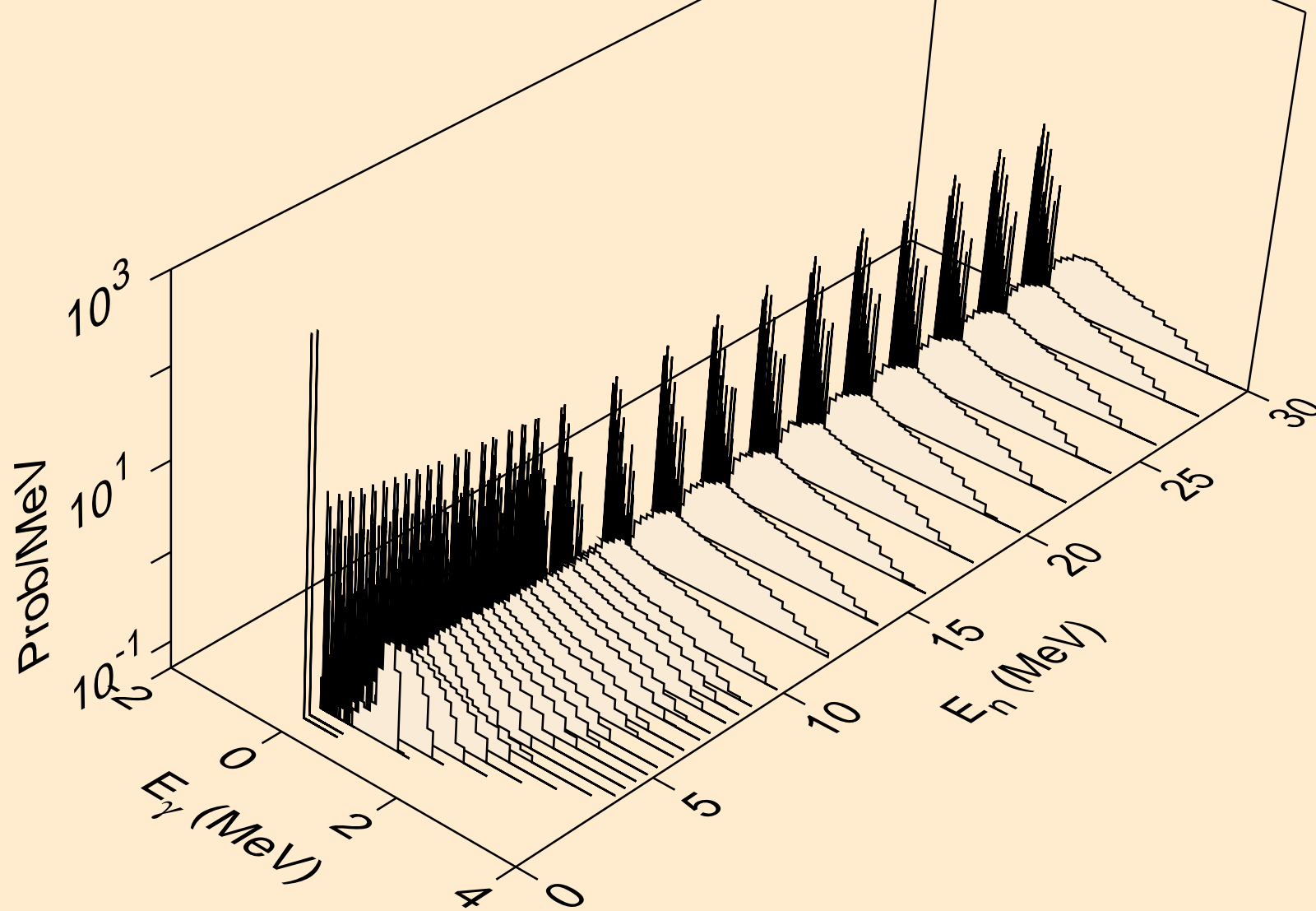
TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



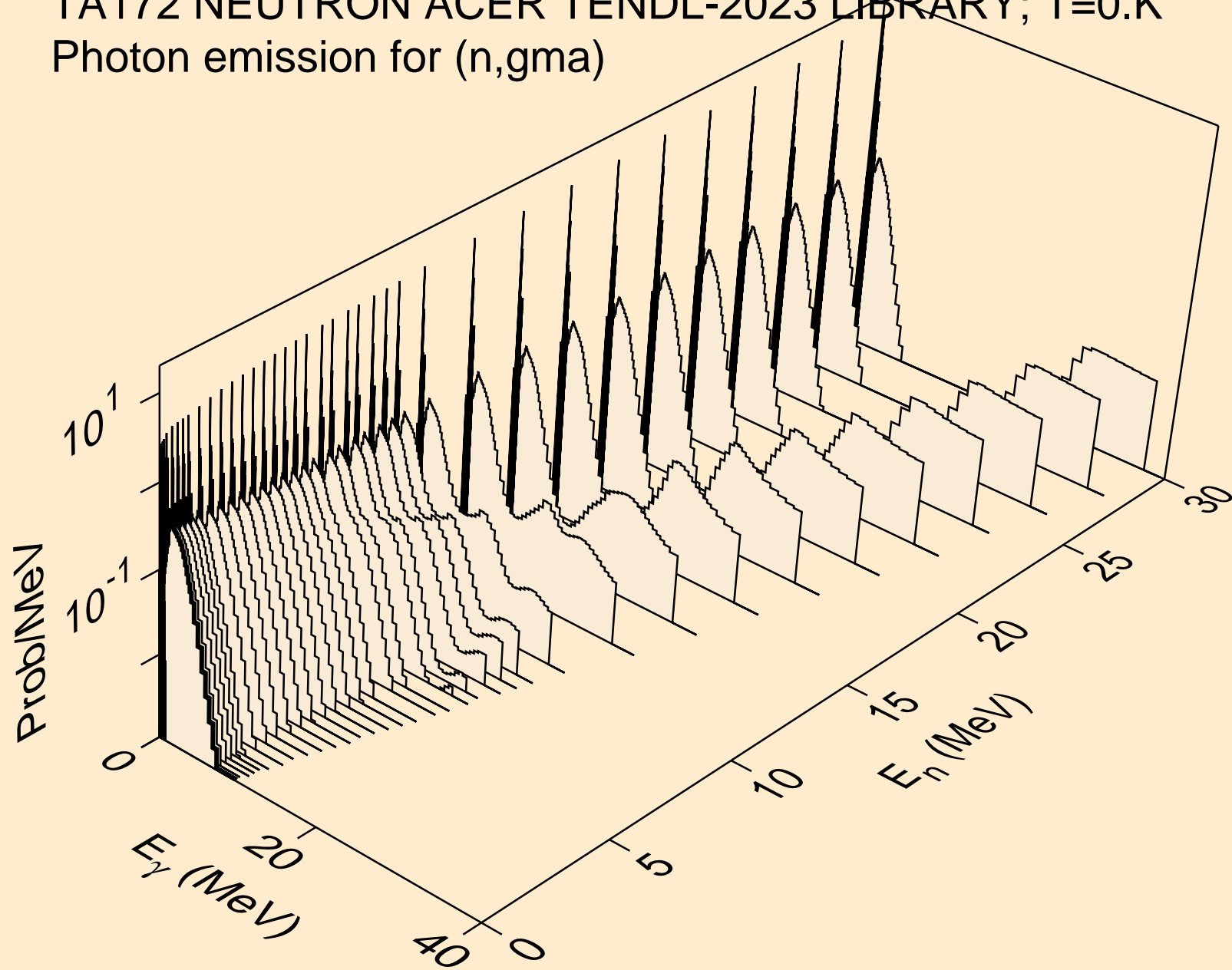
TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)

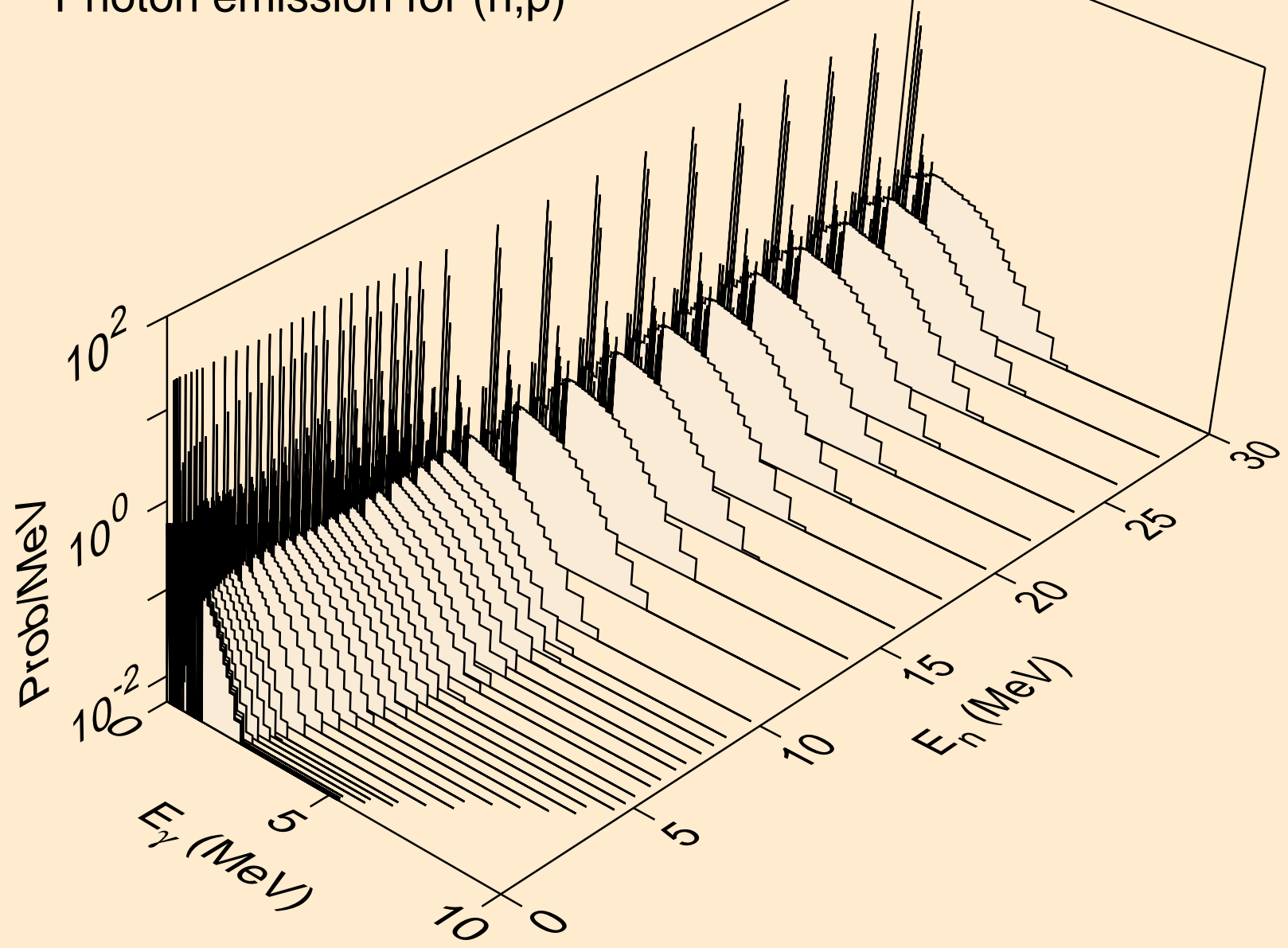


TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)

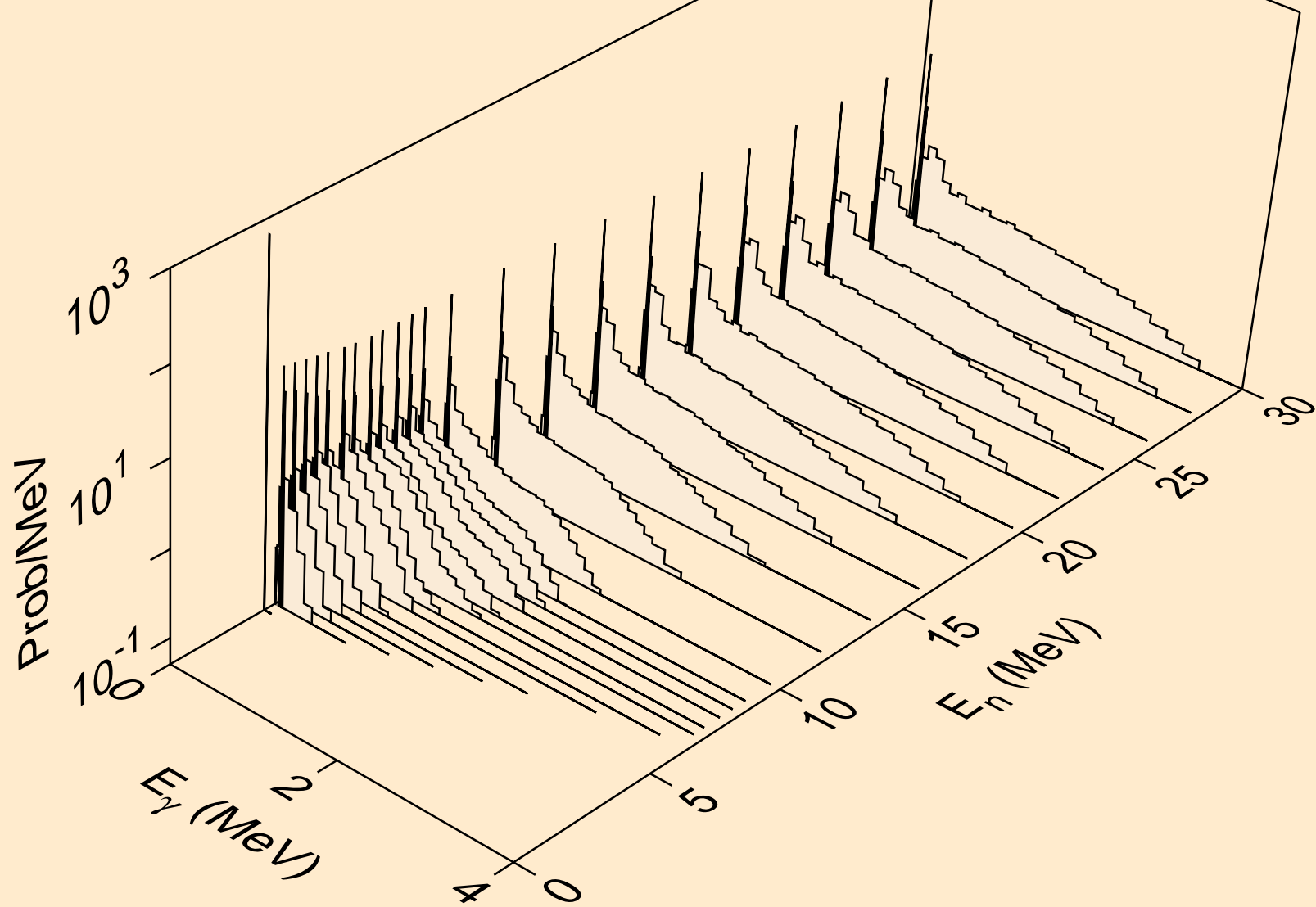




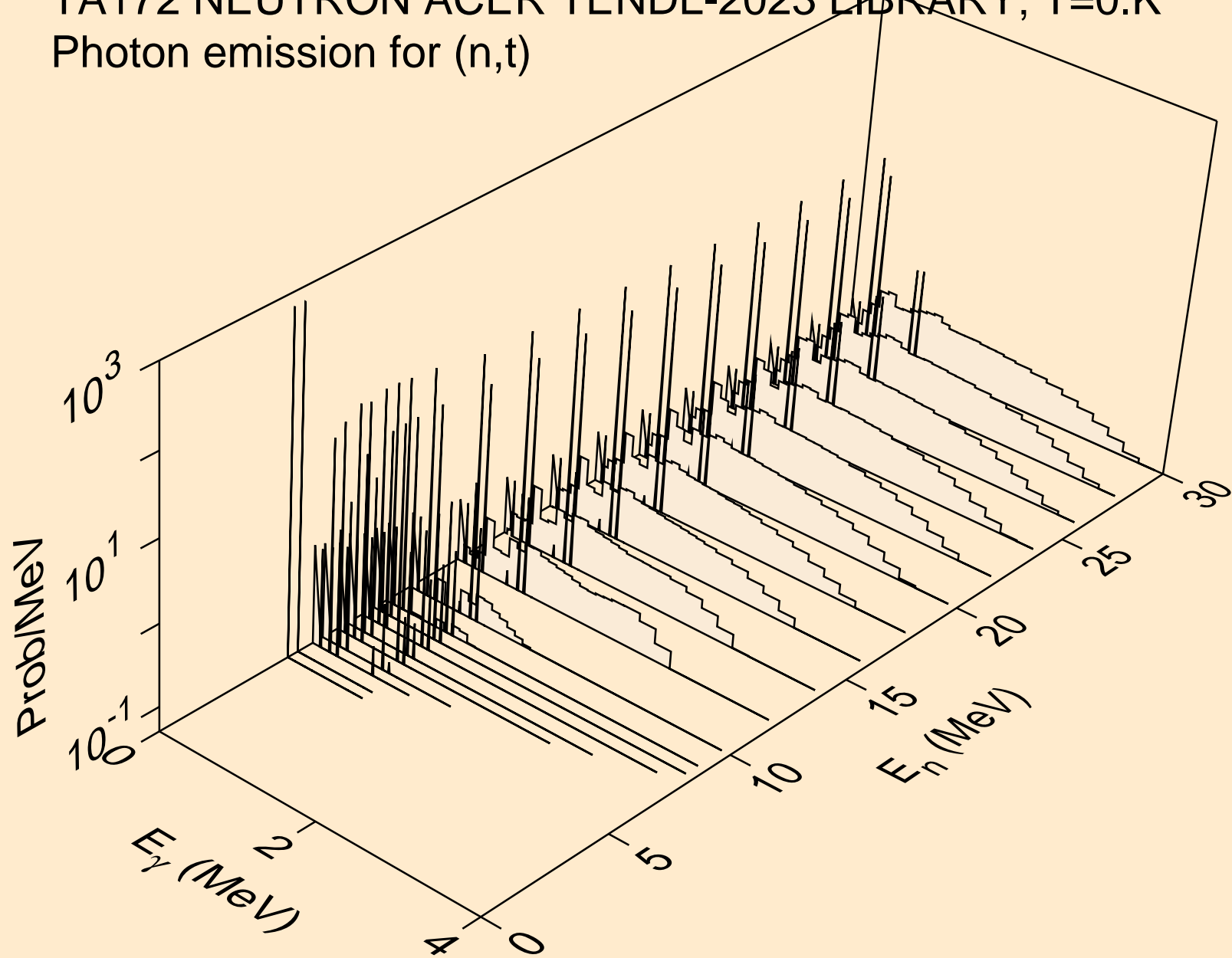
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Photon emission for (n,p)



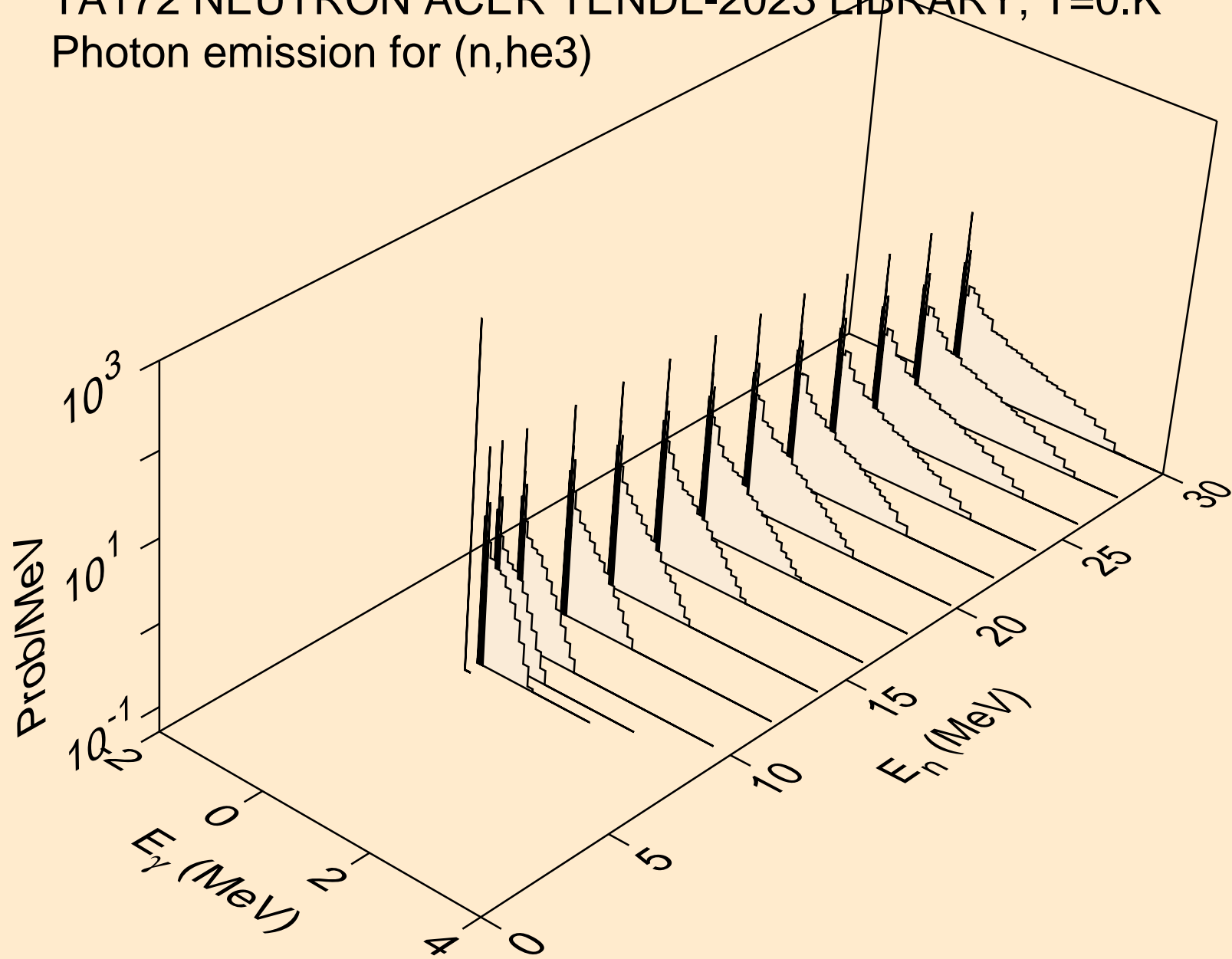
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Photon emission for (n,d)



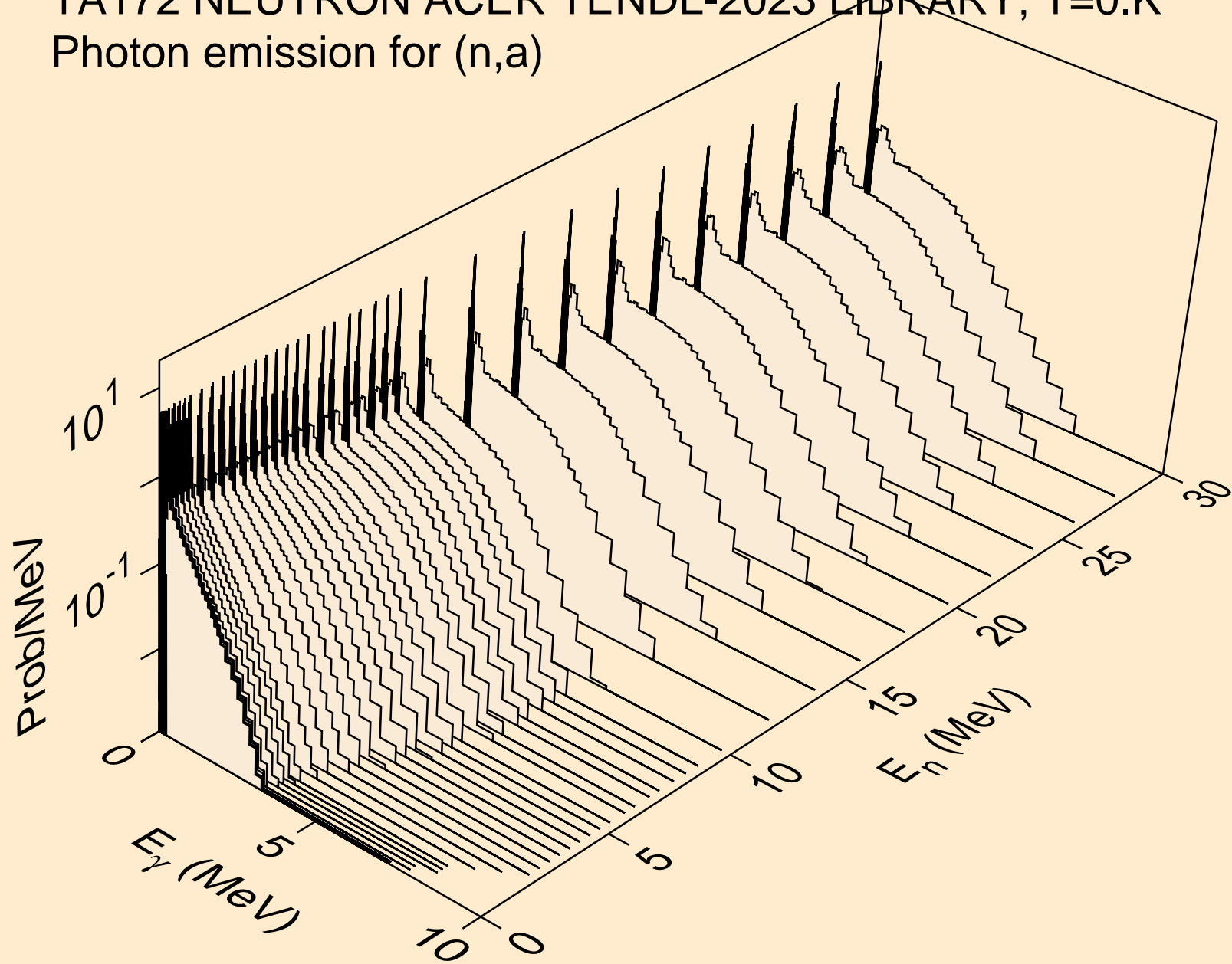
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Photon emission for (n,t)



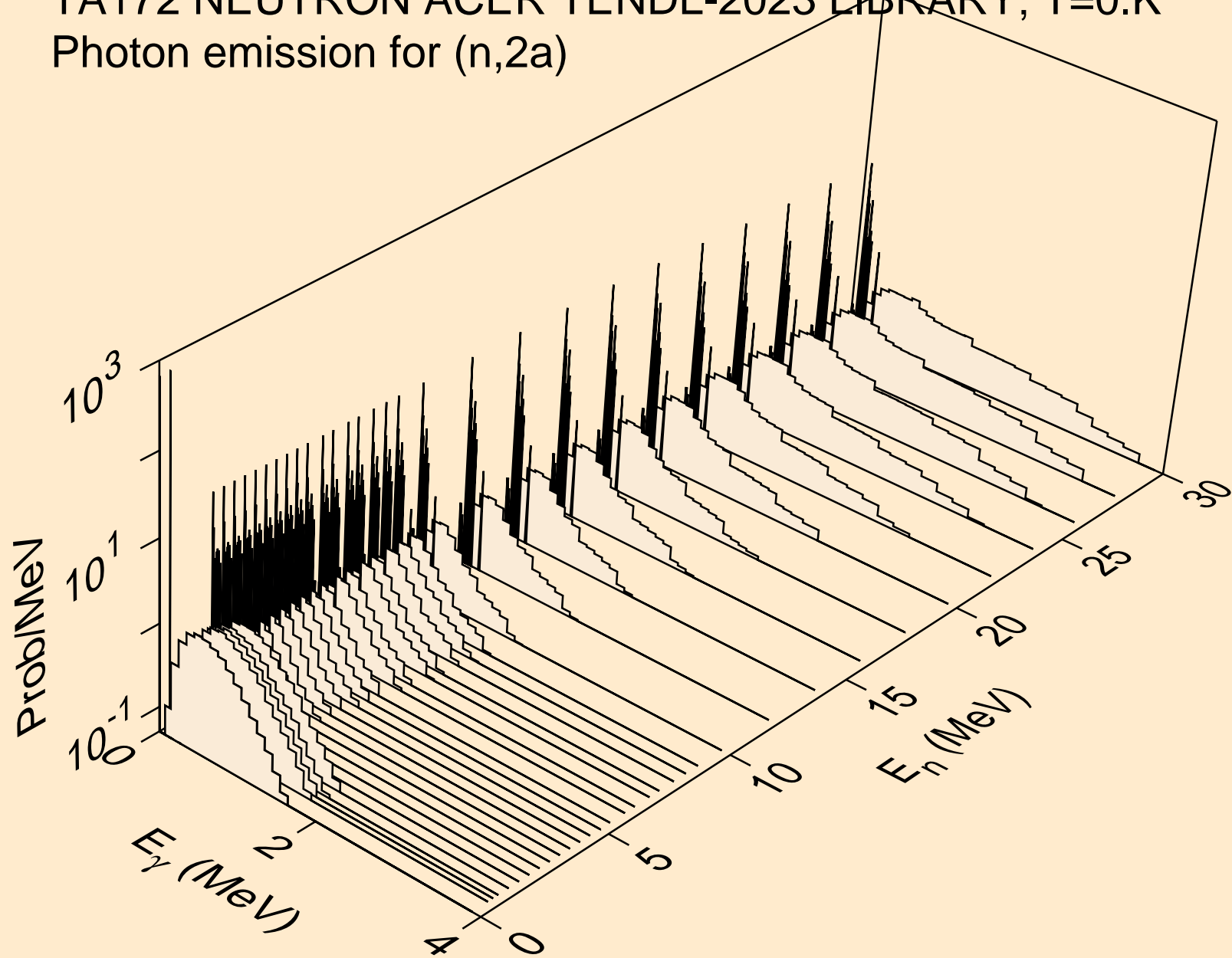
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Photon emission for (n,he3)



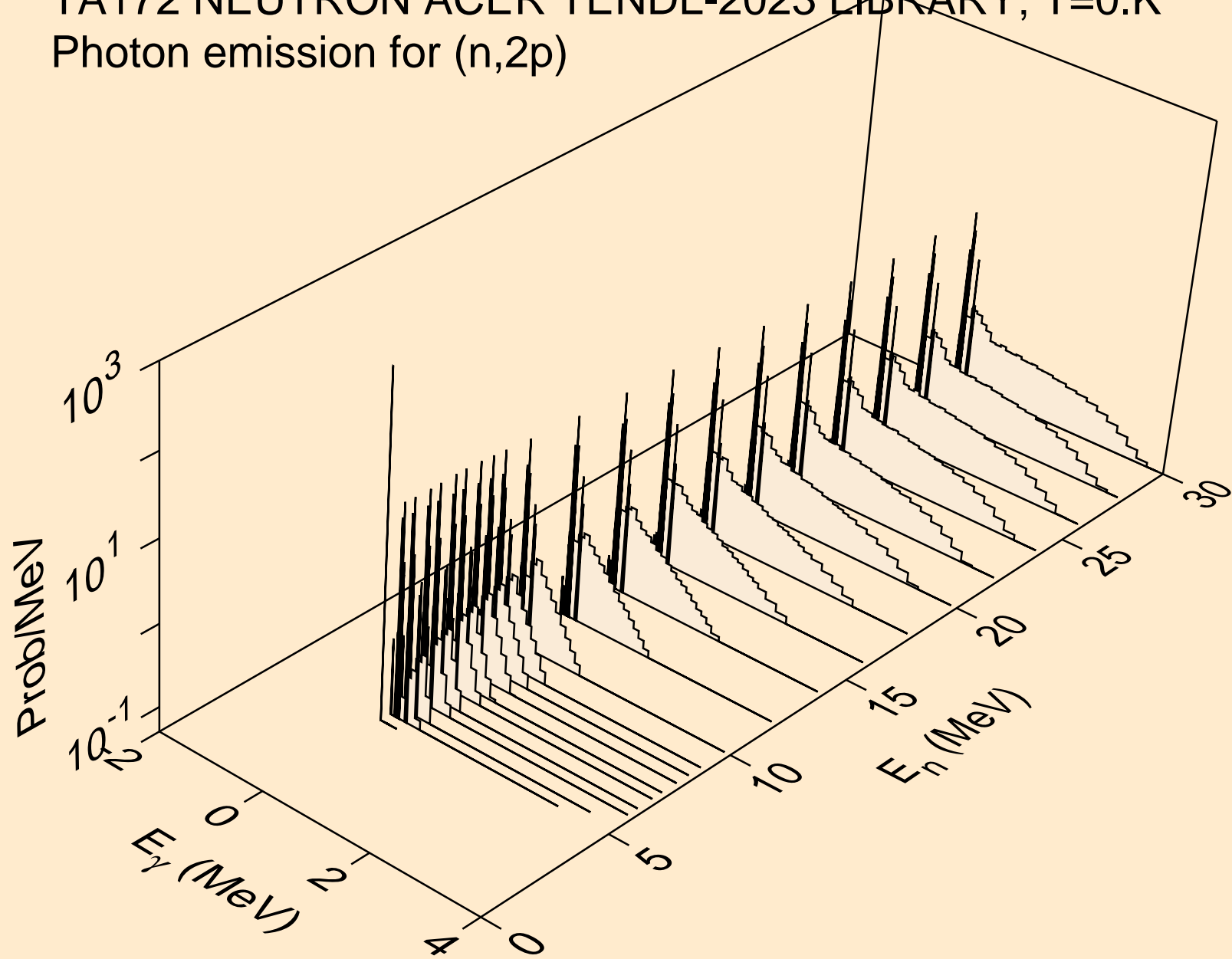
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Photon emission for (n,a)



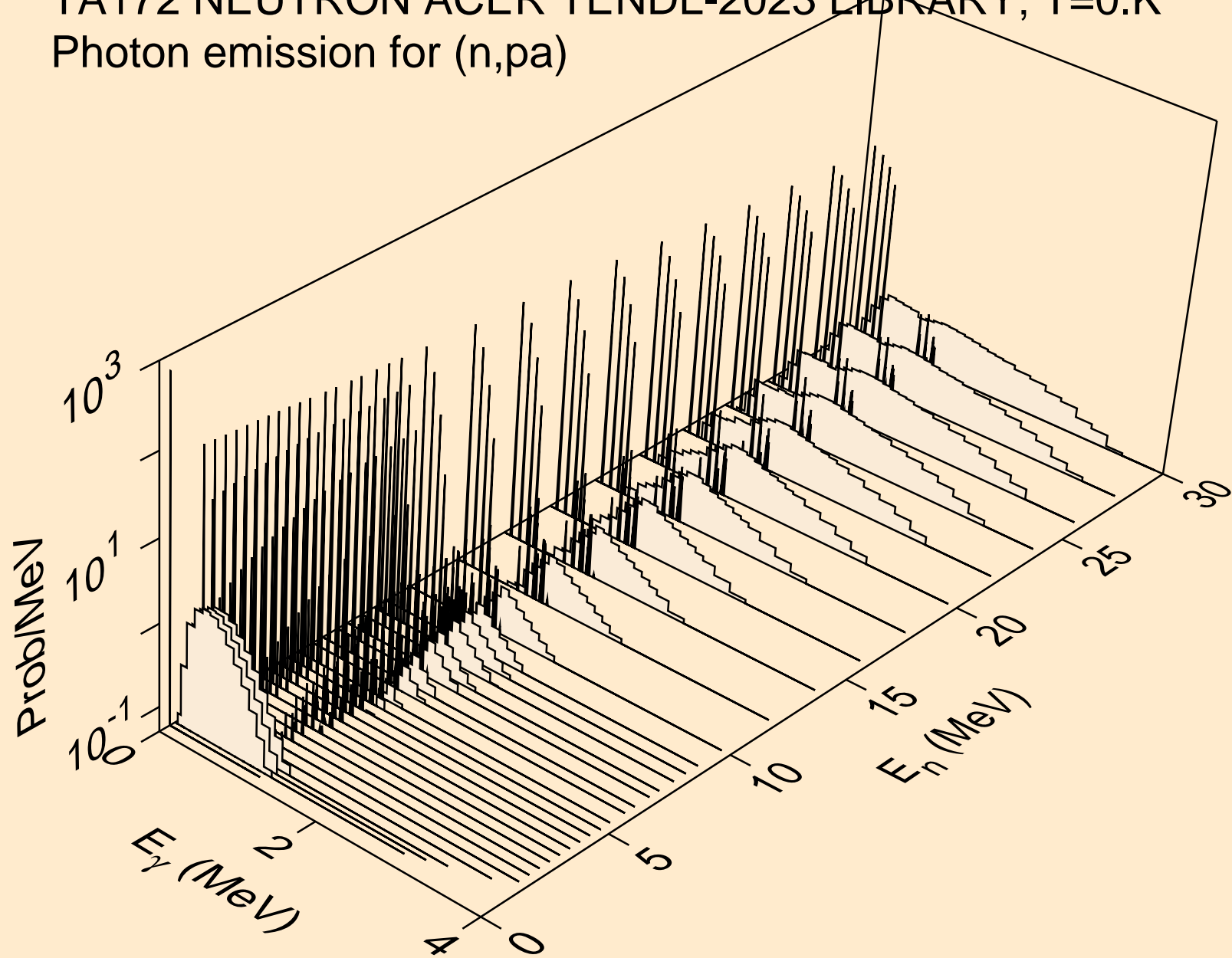
TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)

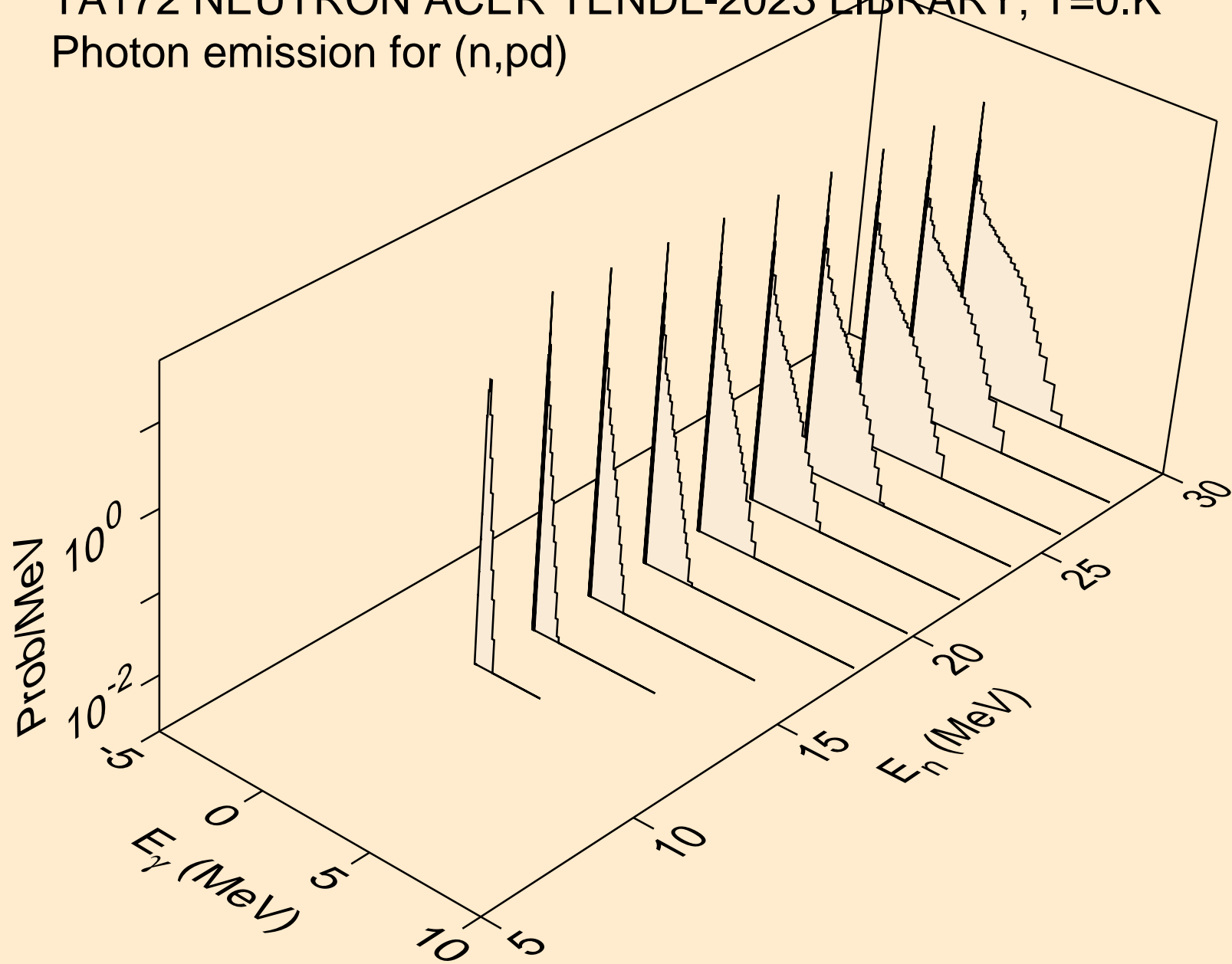


TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )

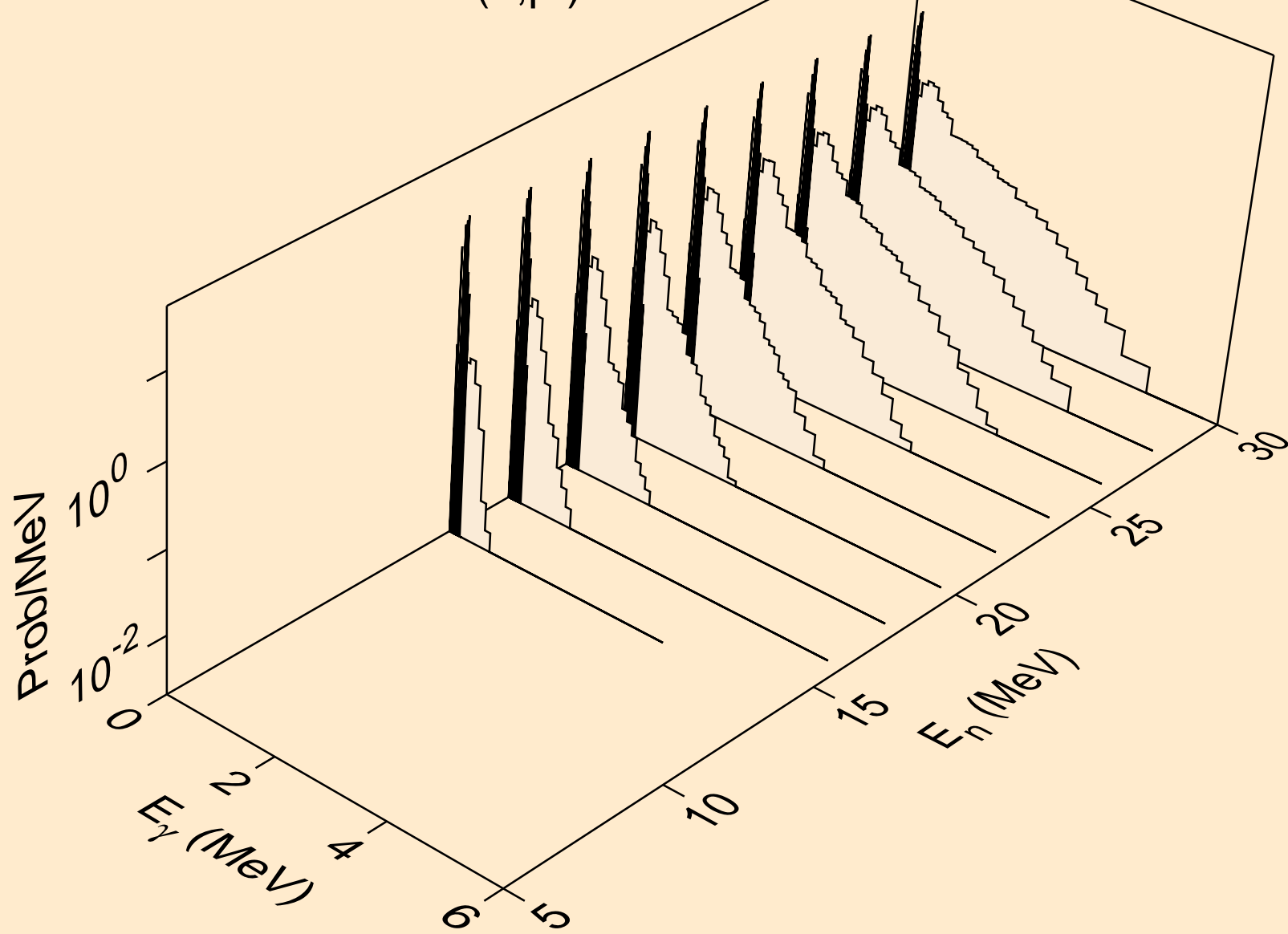




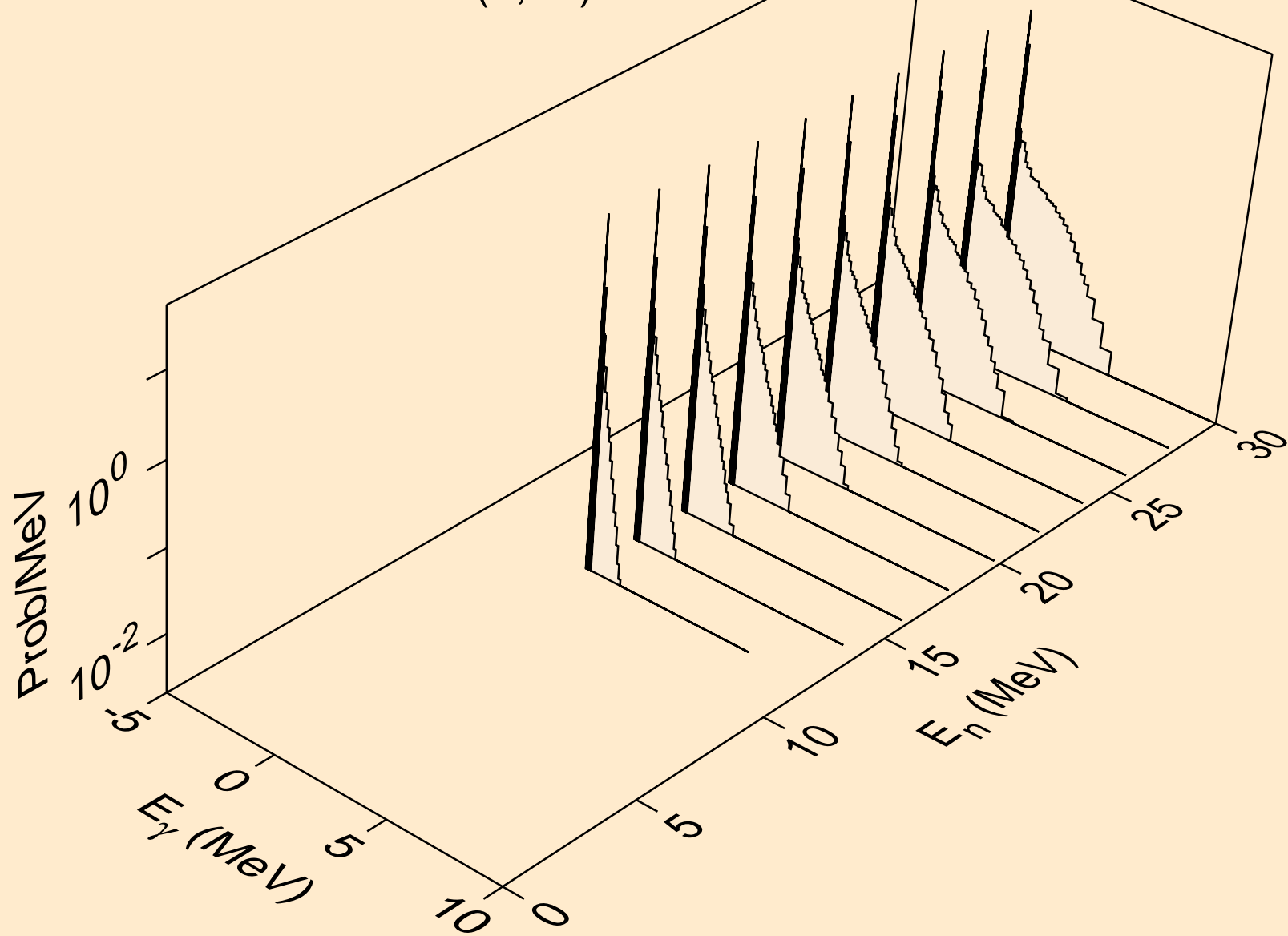
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Photon emission for (n,pd)



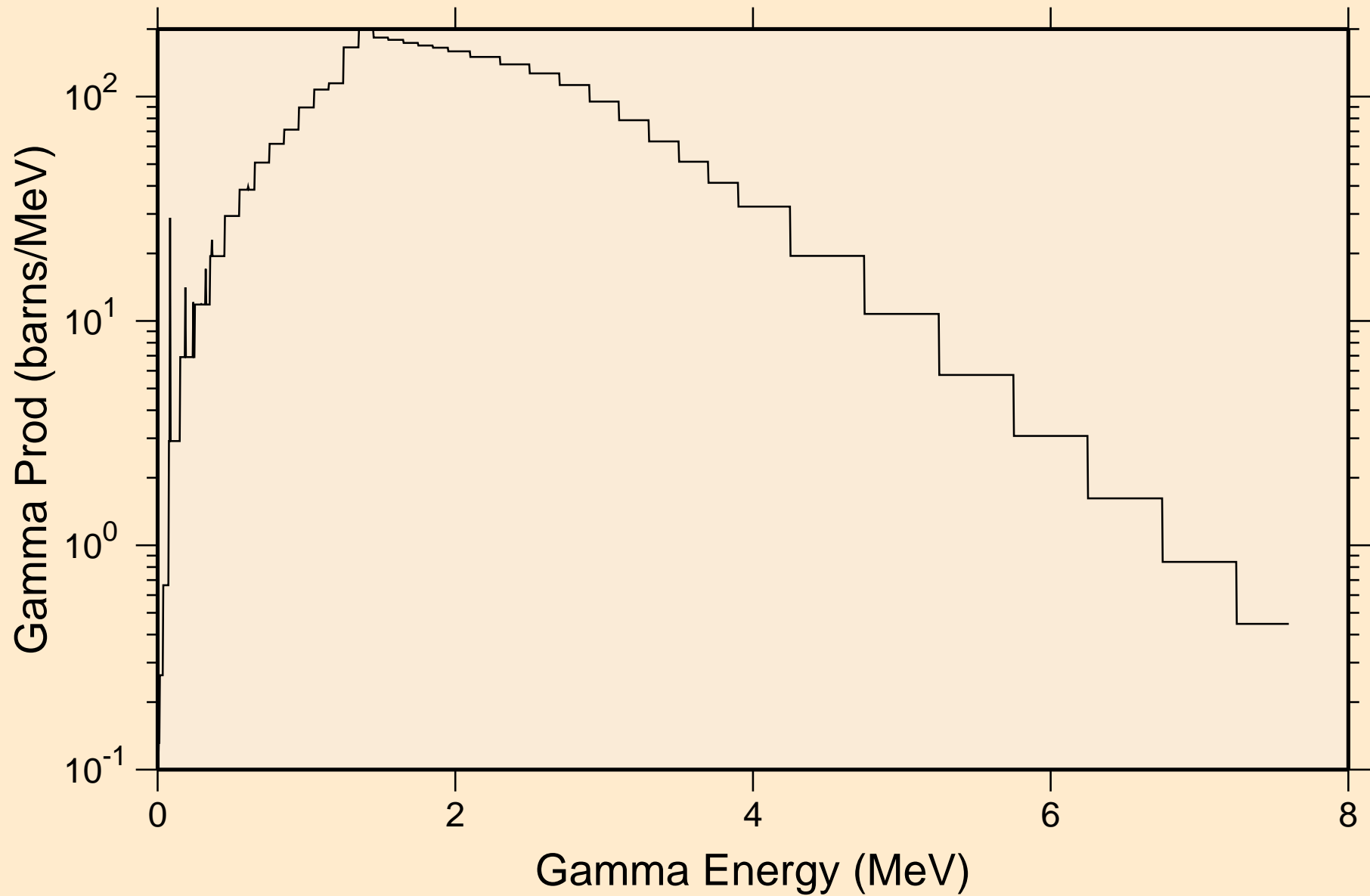
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Photon emission for (n,pt)



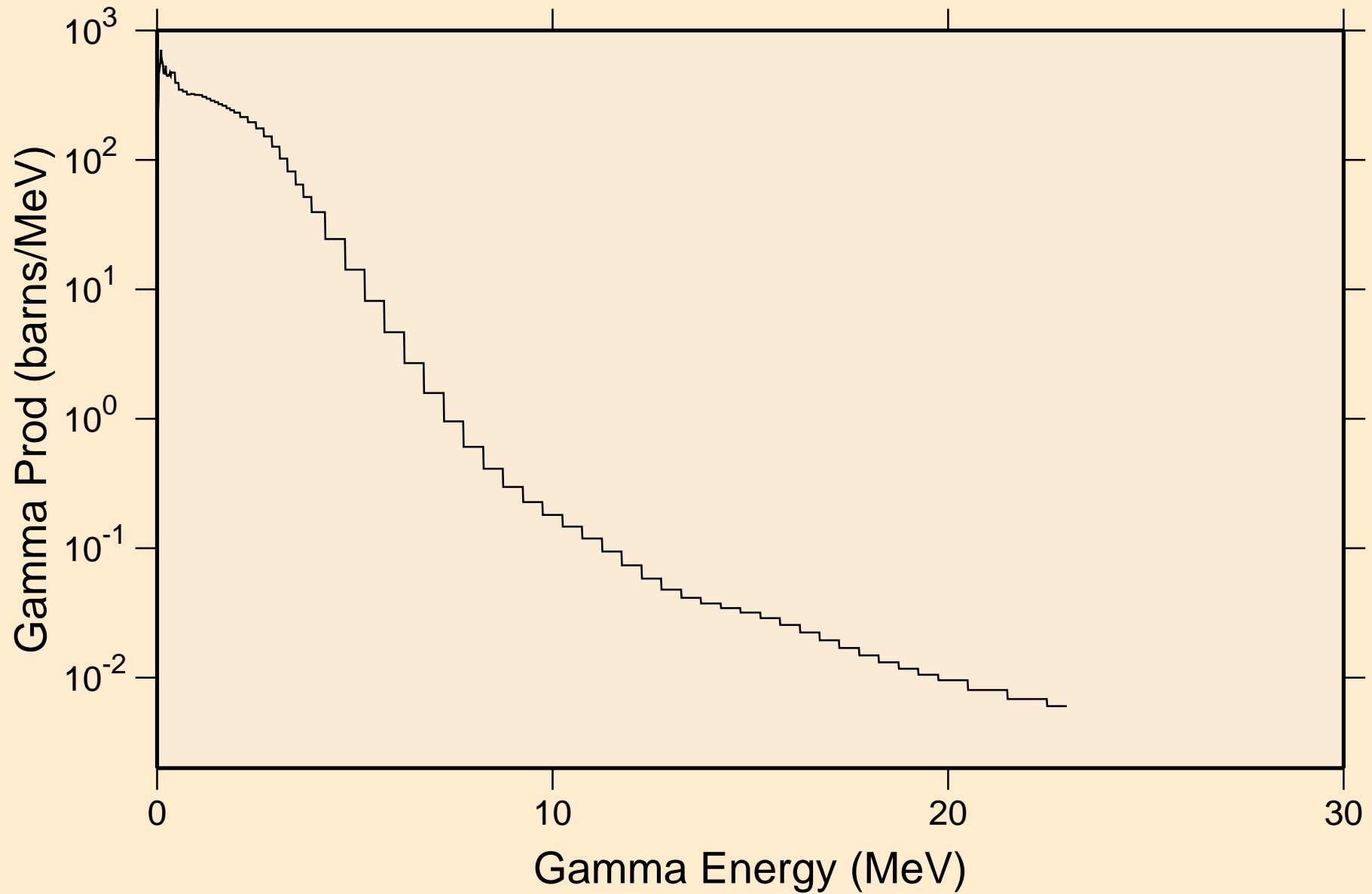
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Photon emission for (n,d $\alpha$ )



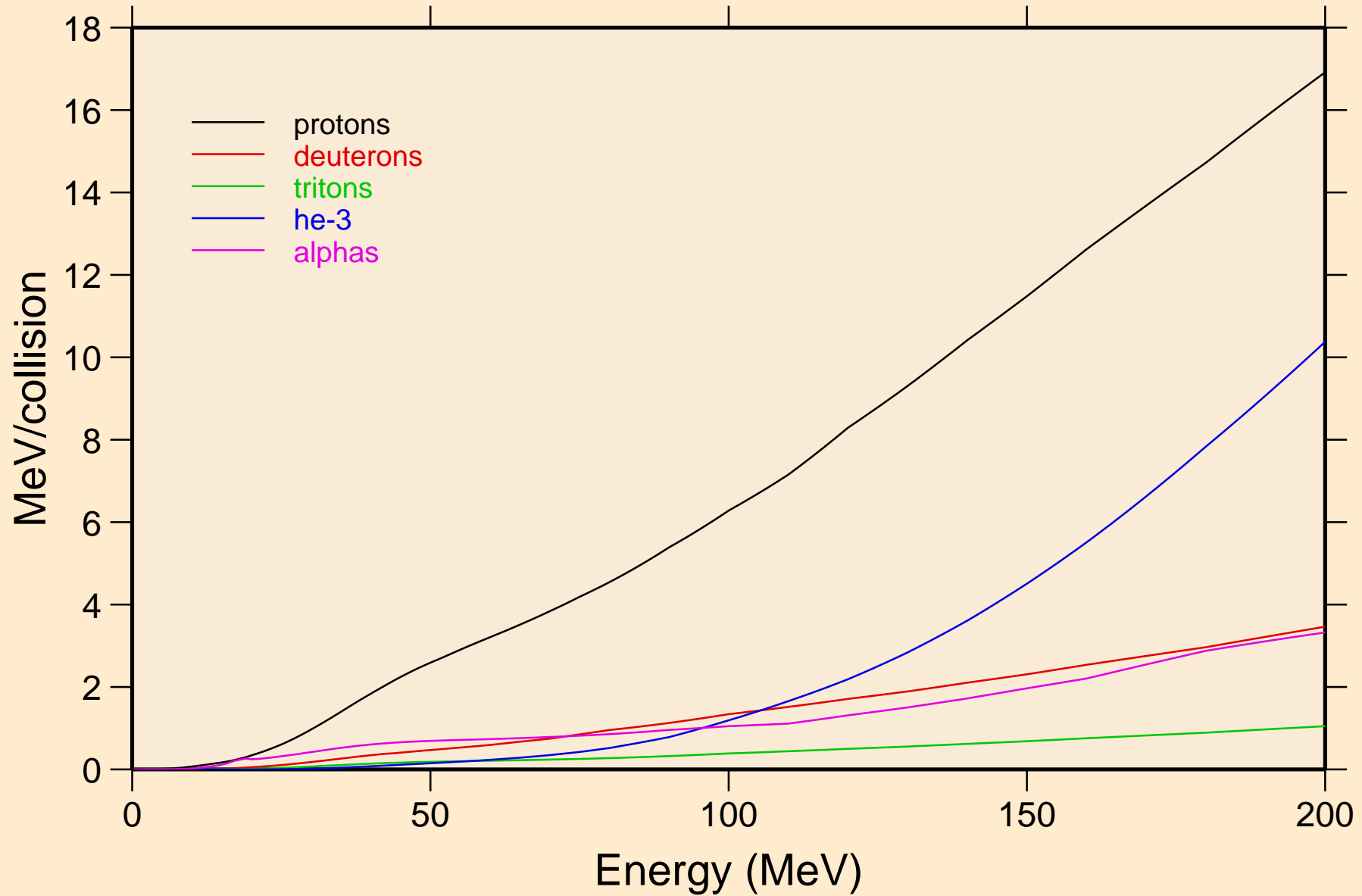
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thermal capture photon spectrum



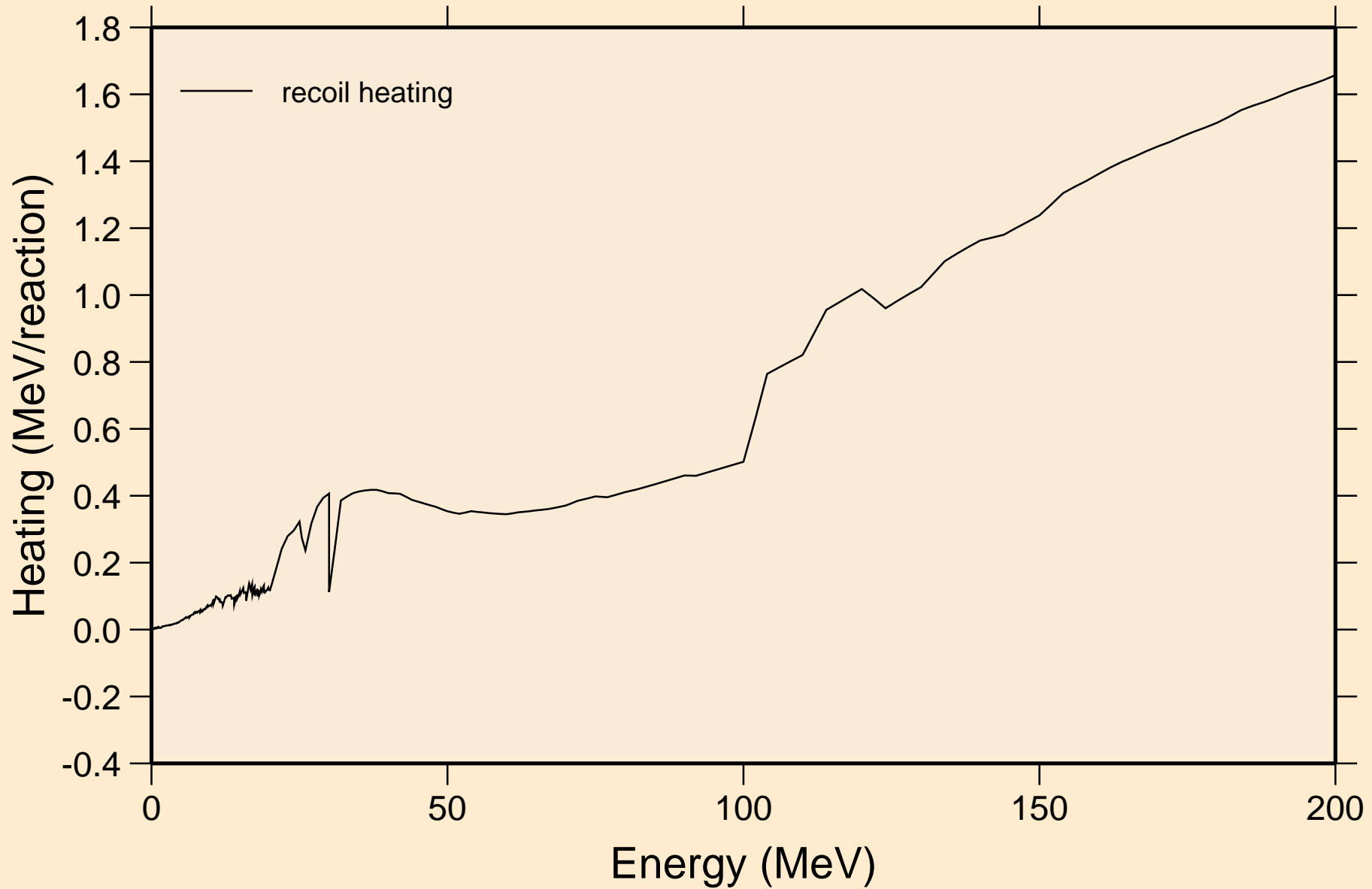
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14 MeV photon spectrum



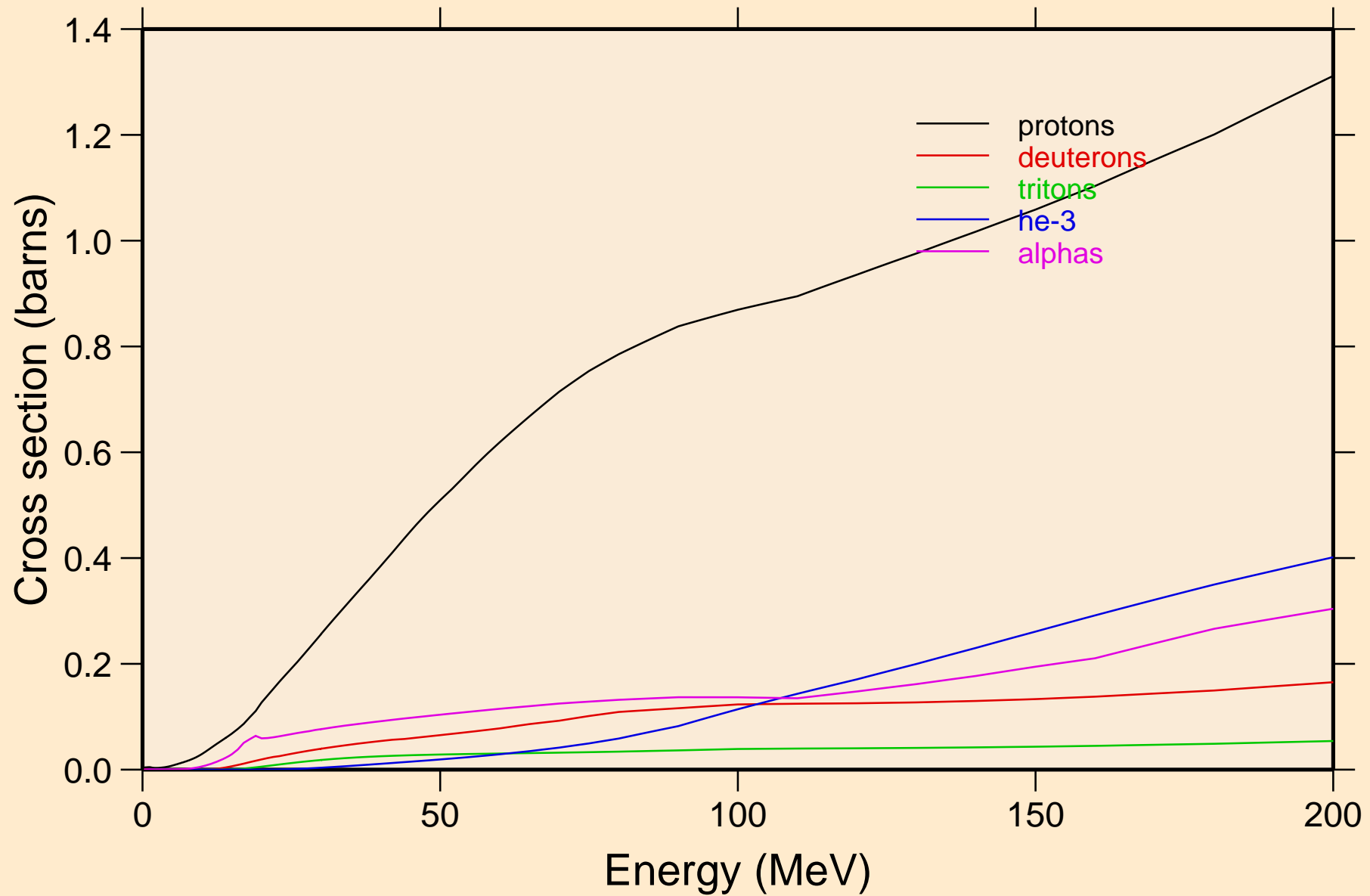
TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions



TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

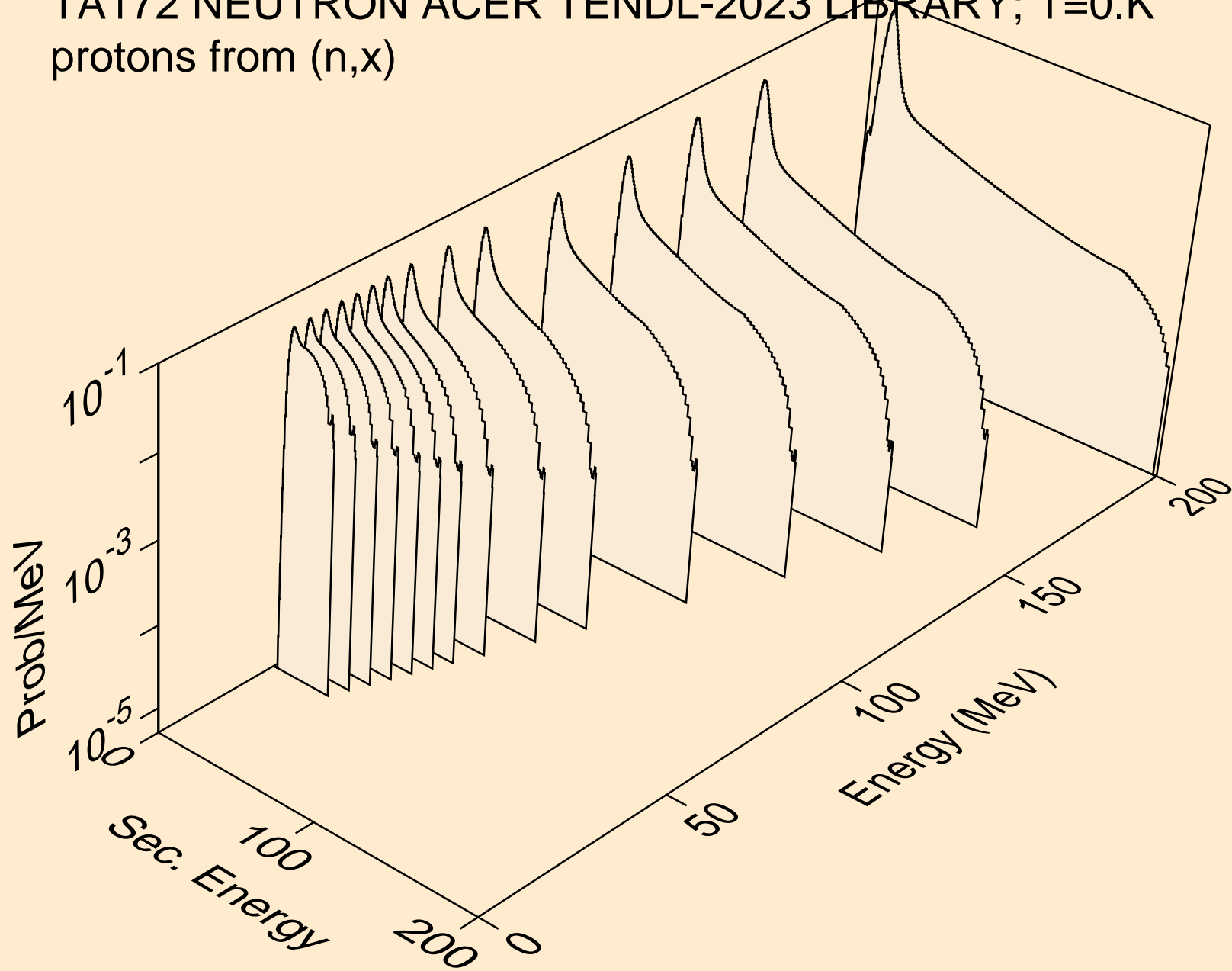


TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections

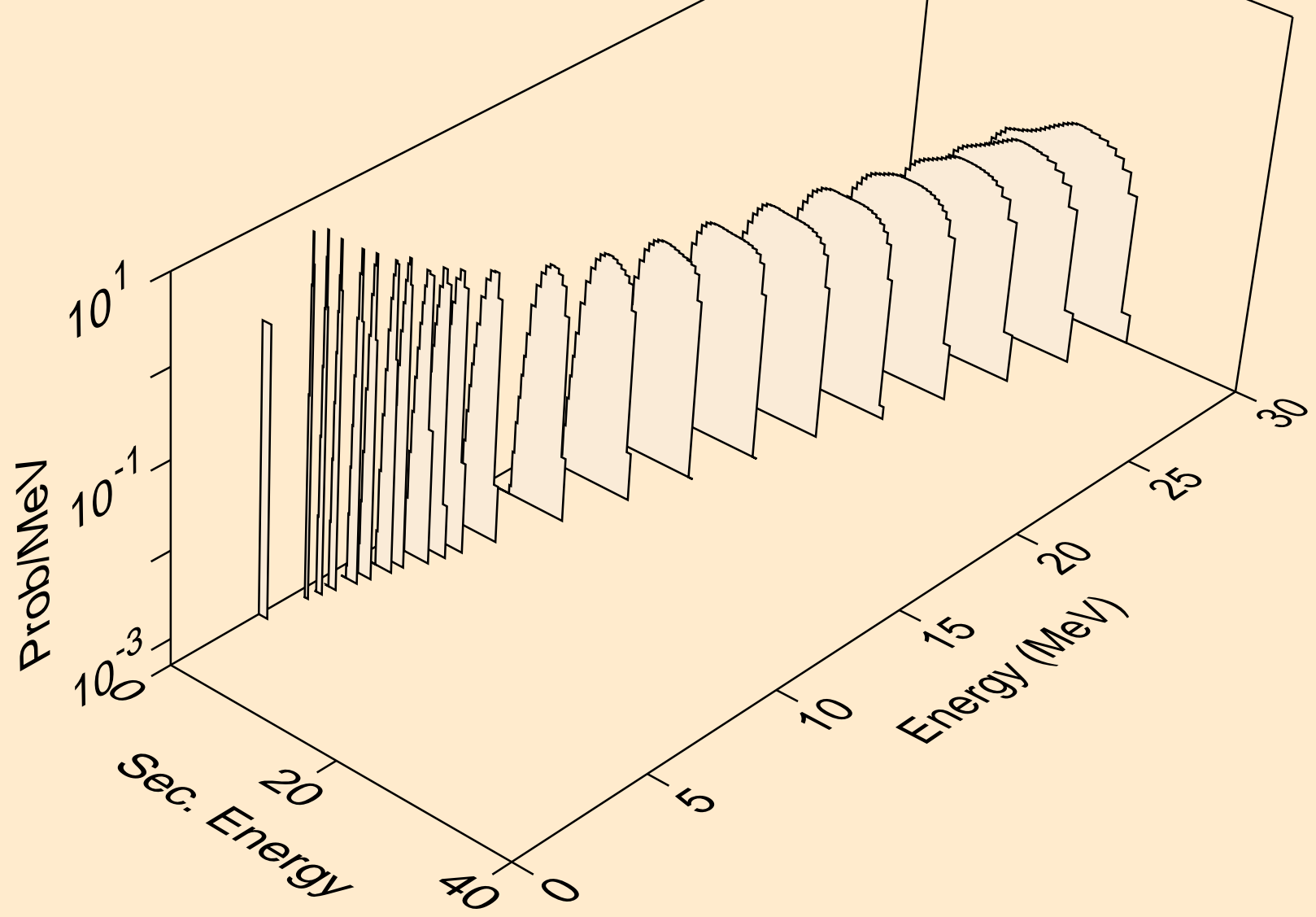




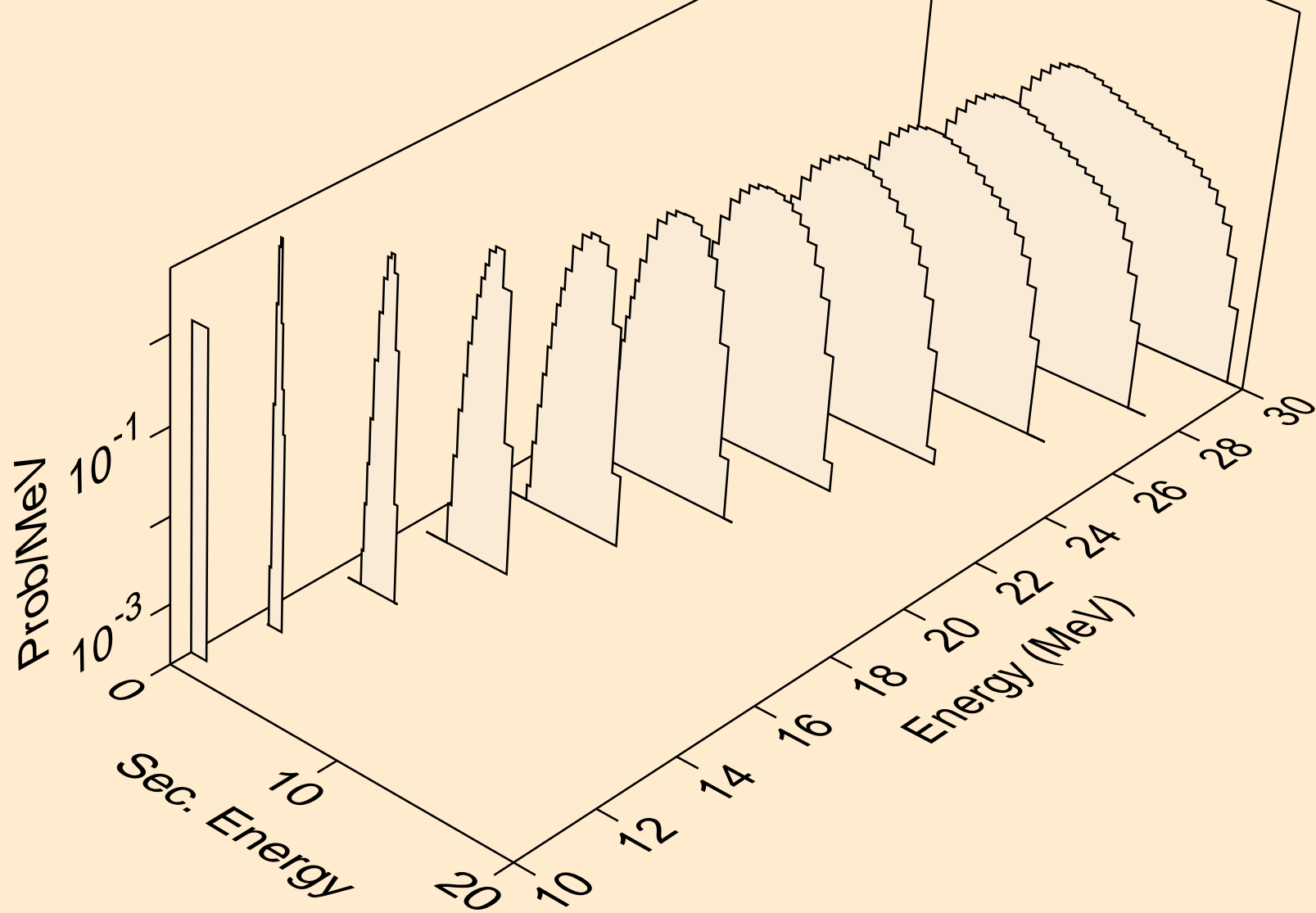
TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



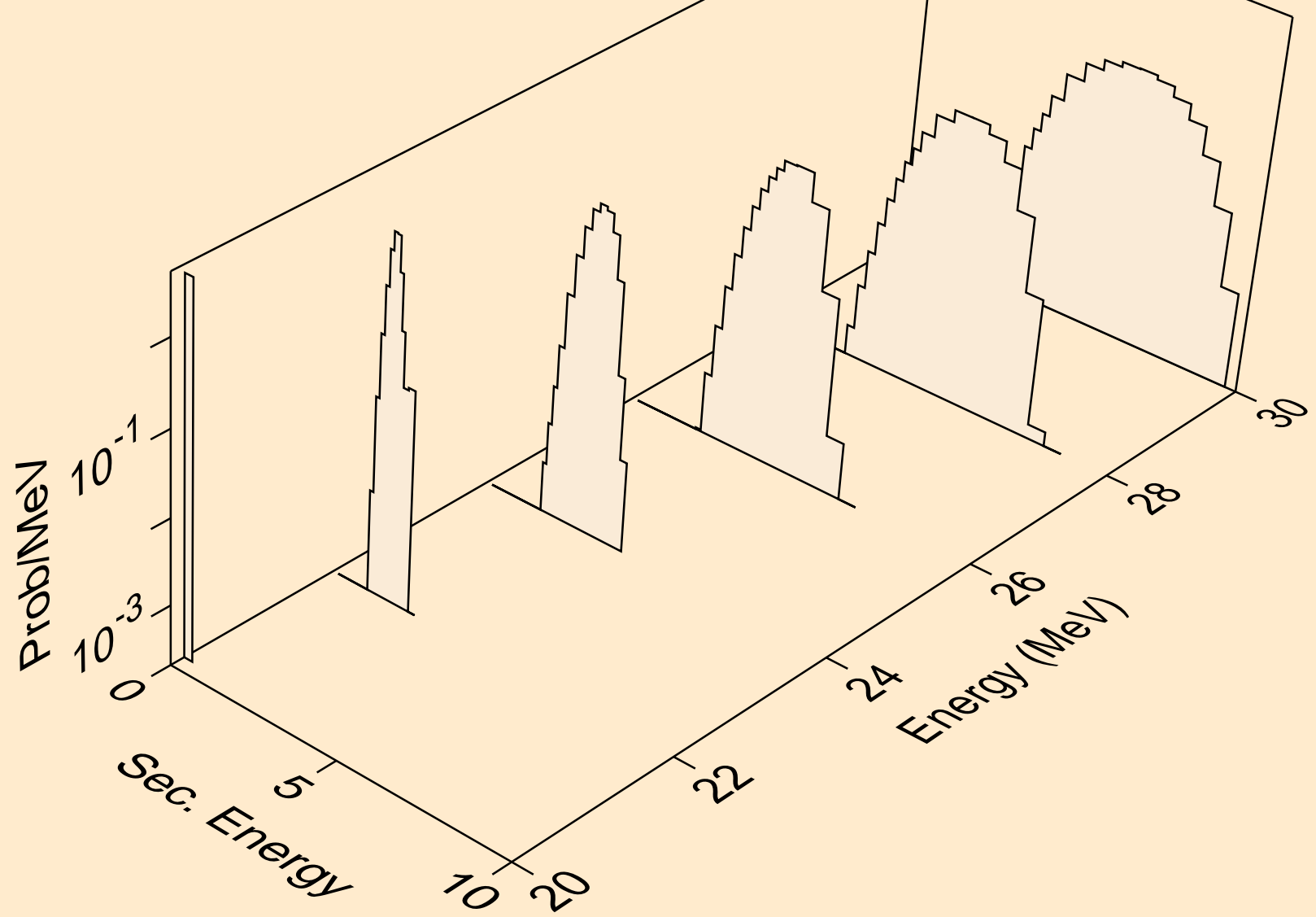
TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



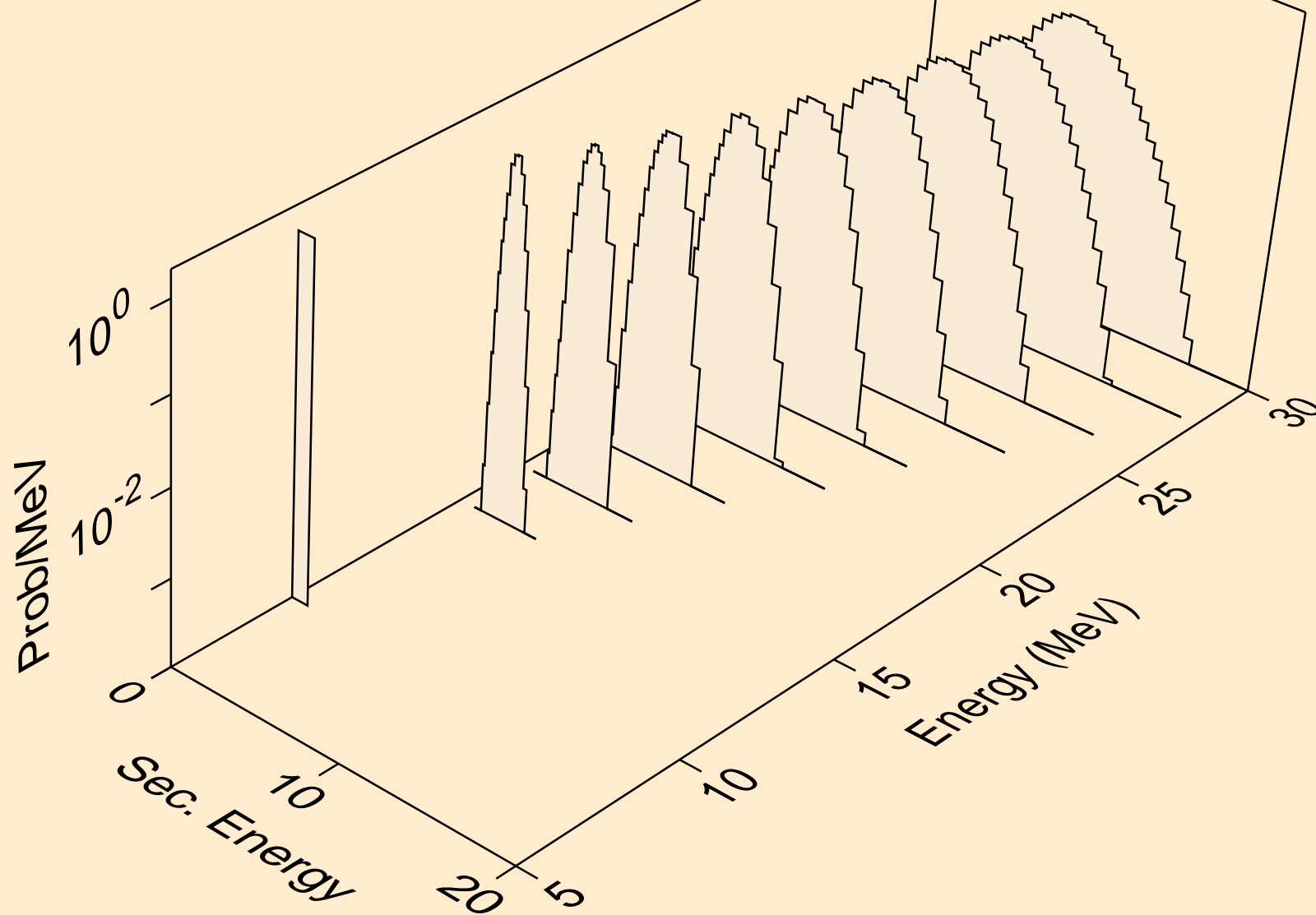
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protons from (n,2np)



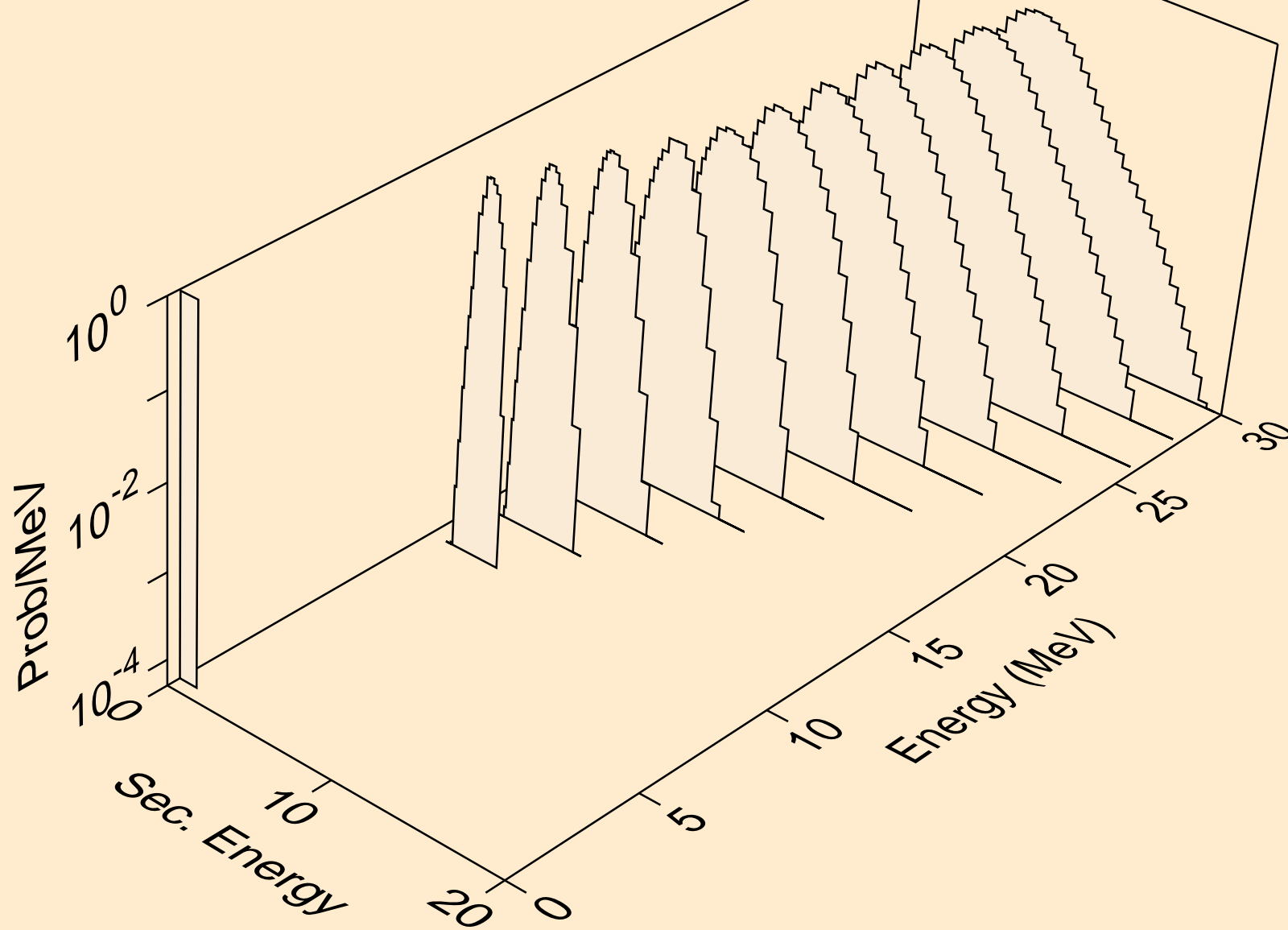
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protons from (n,3np)



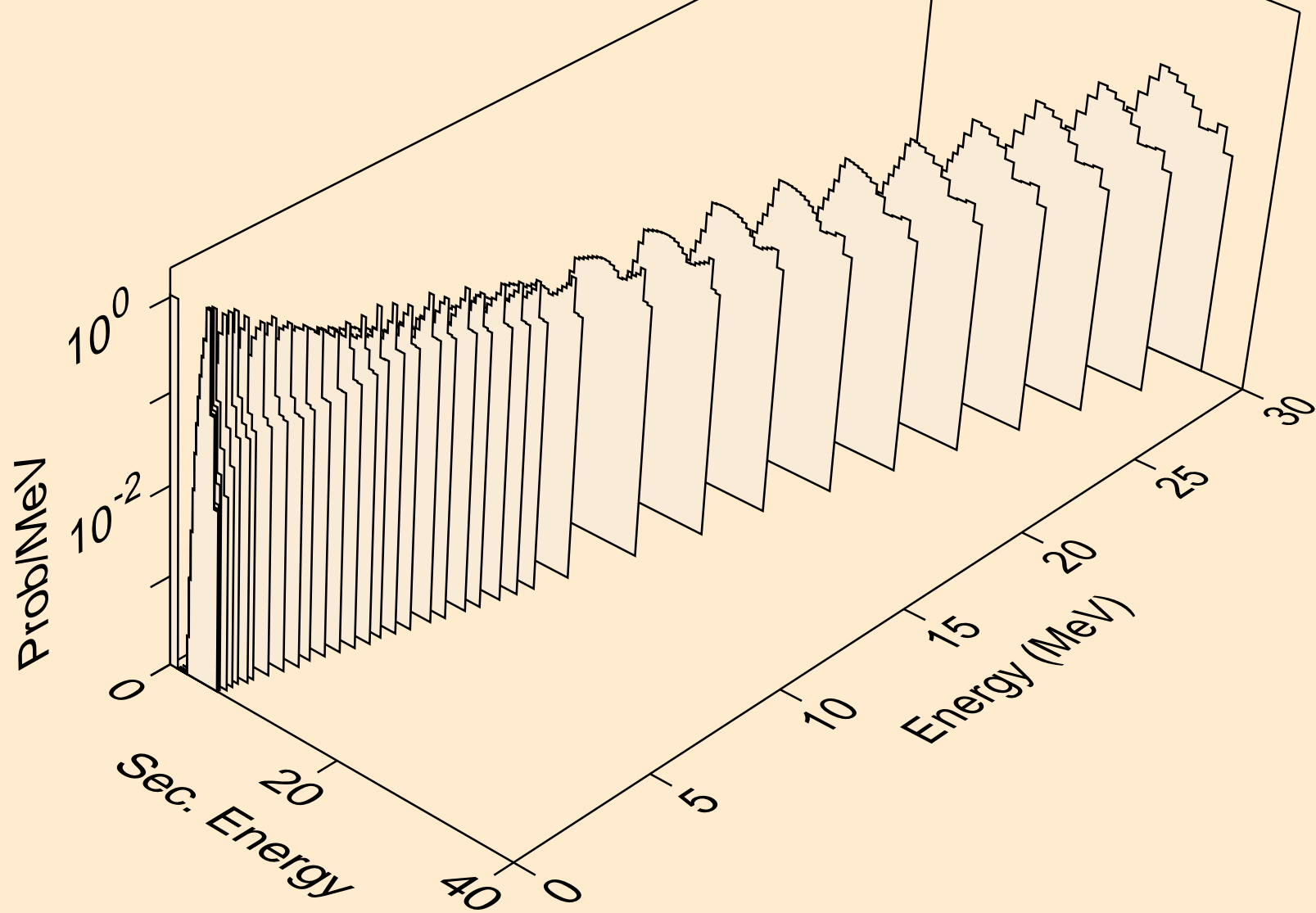
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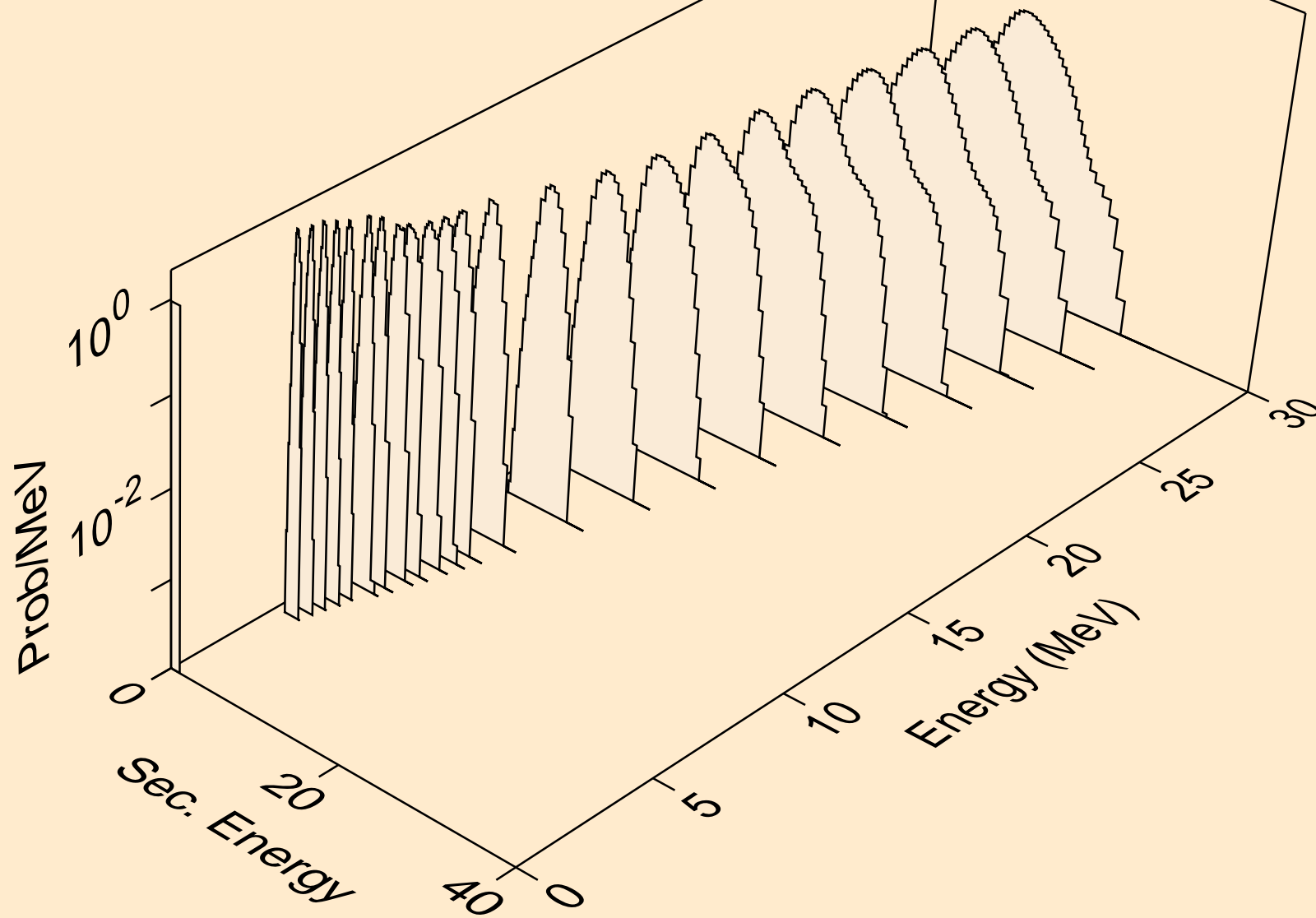
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protons from (n,npa)



TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)

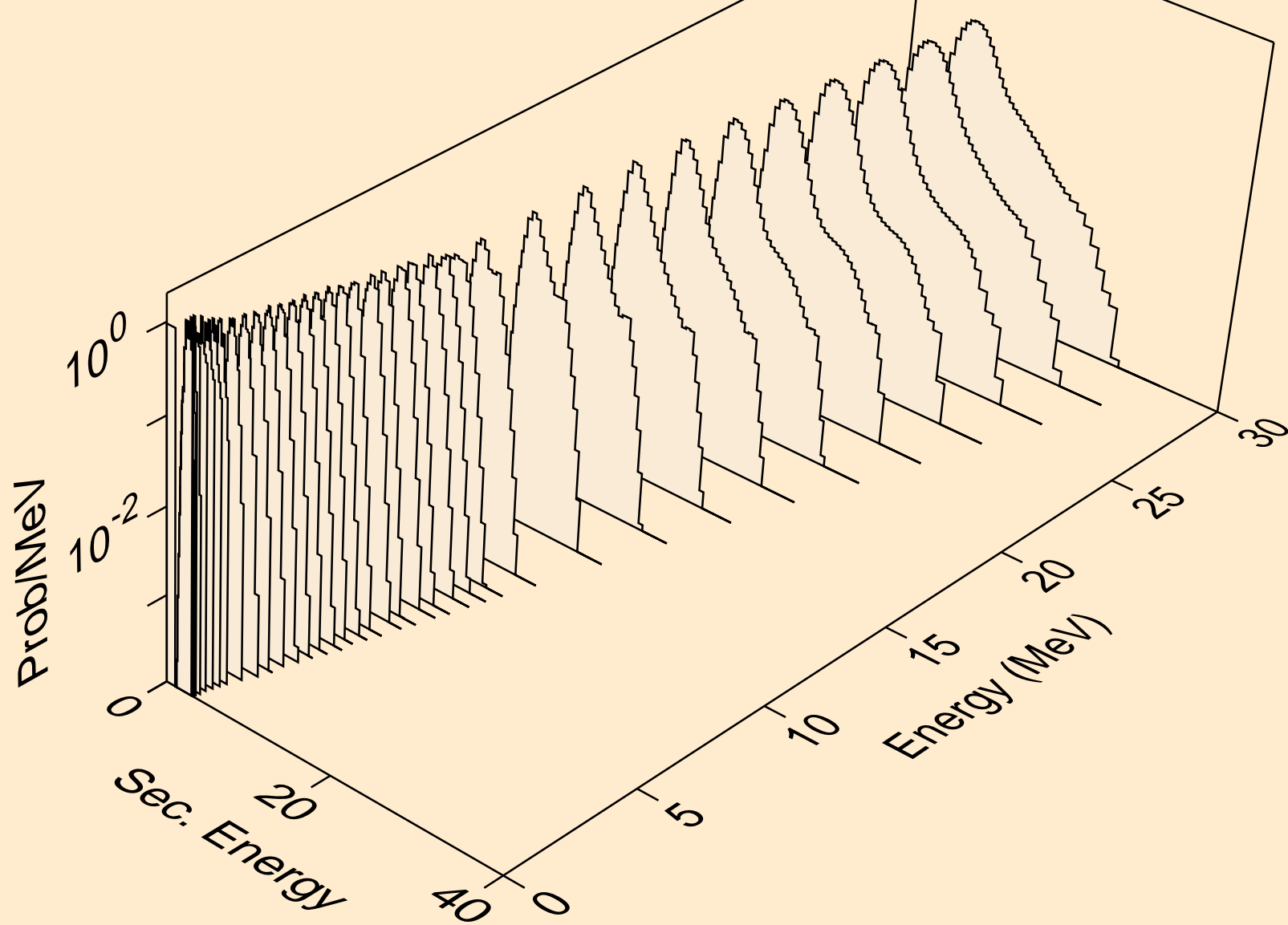


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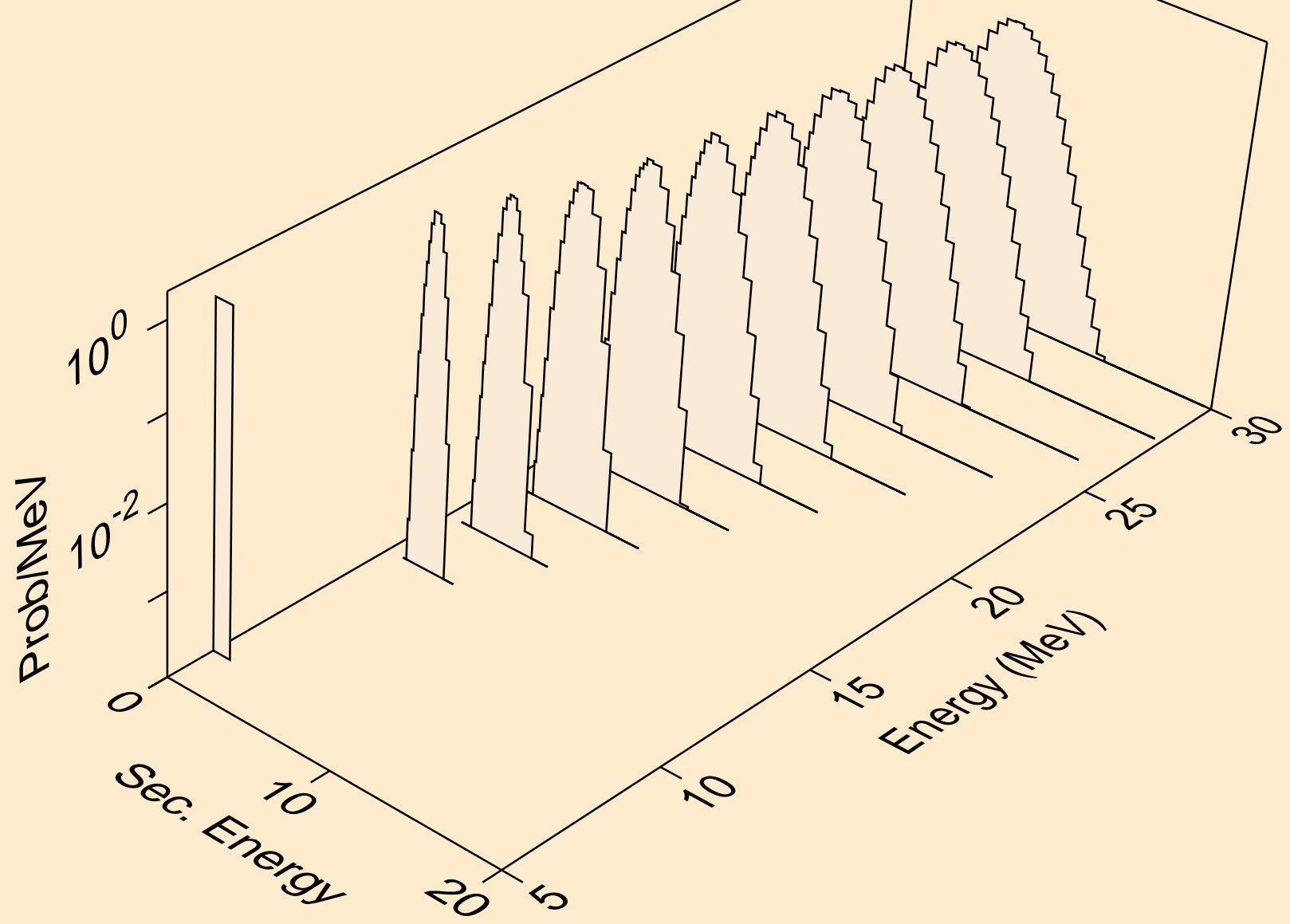




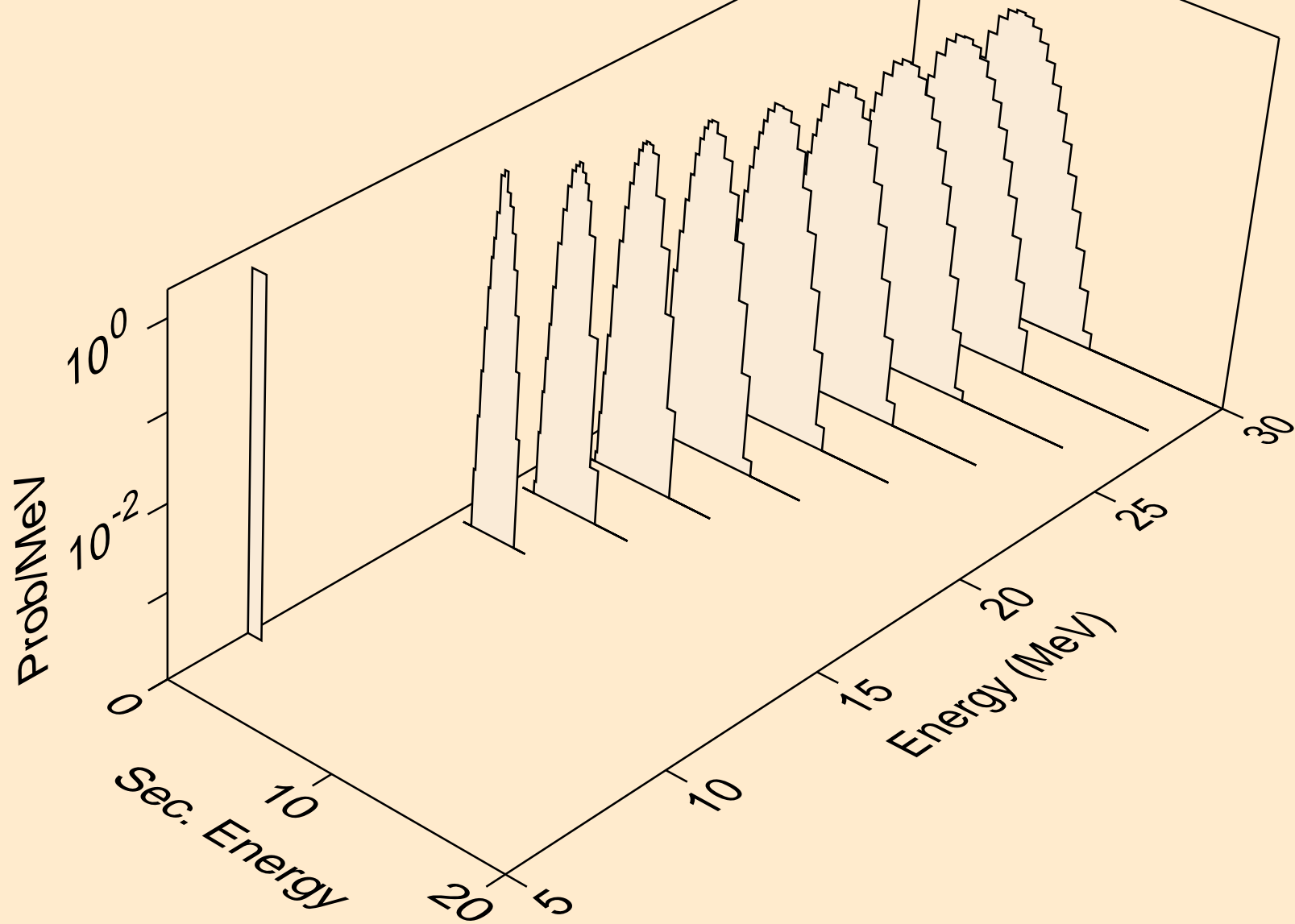
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protons from (n,p)



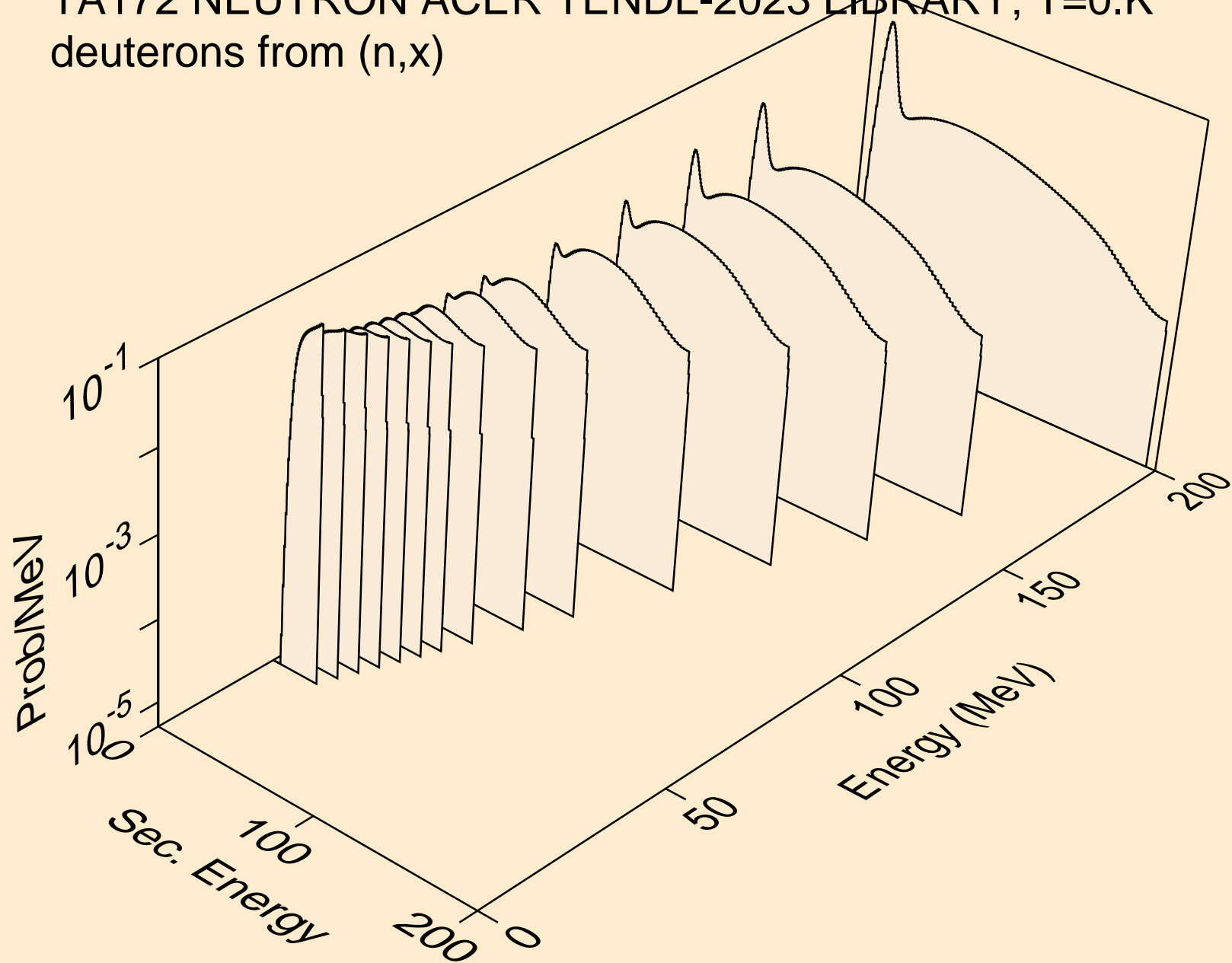
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protons from (n,pd)



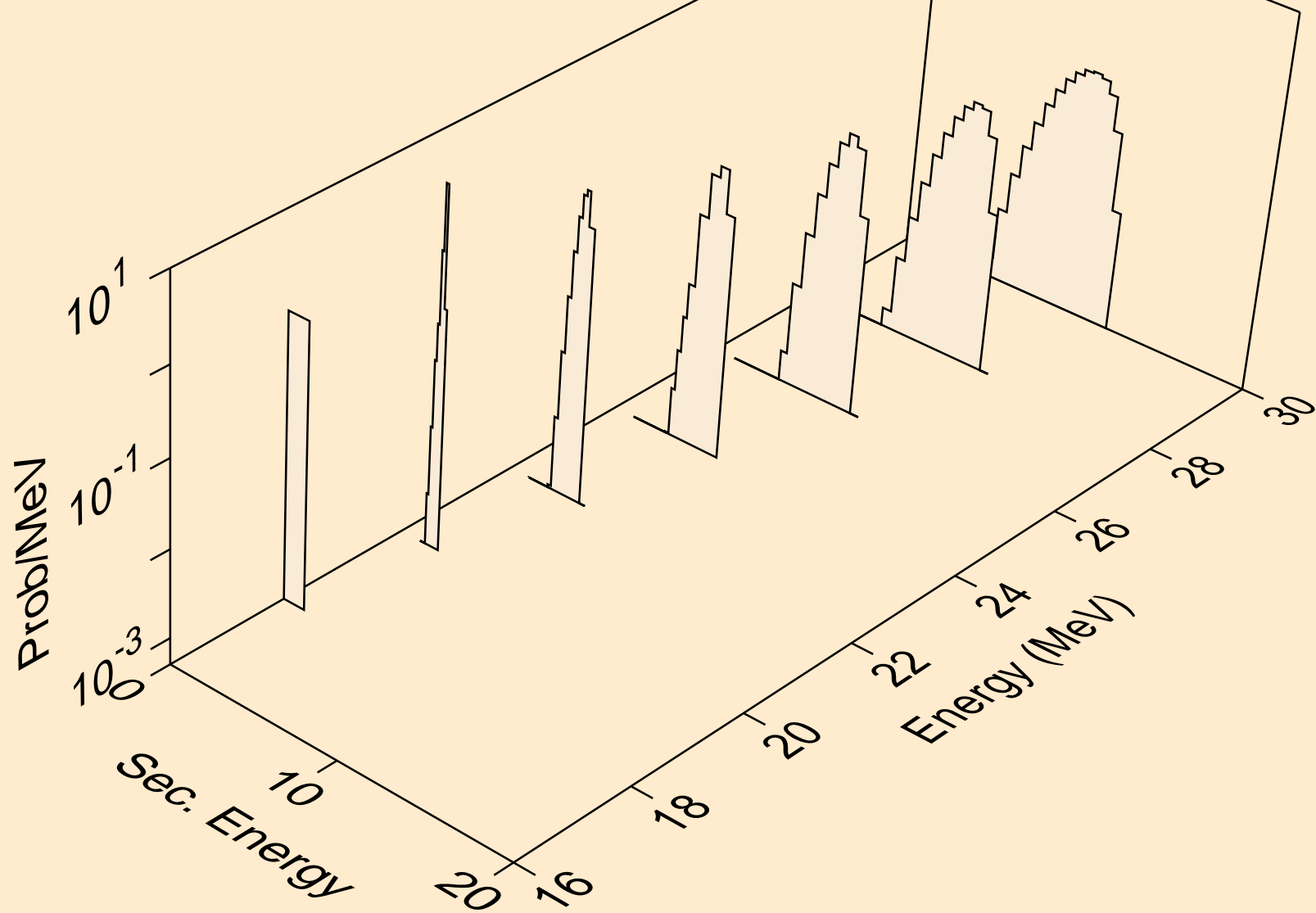
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protons from (n,pt)



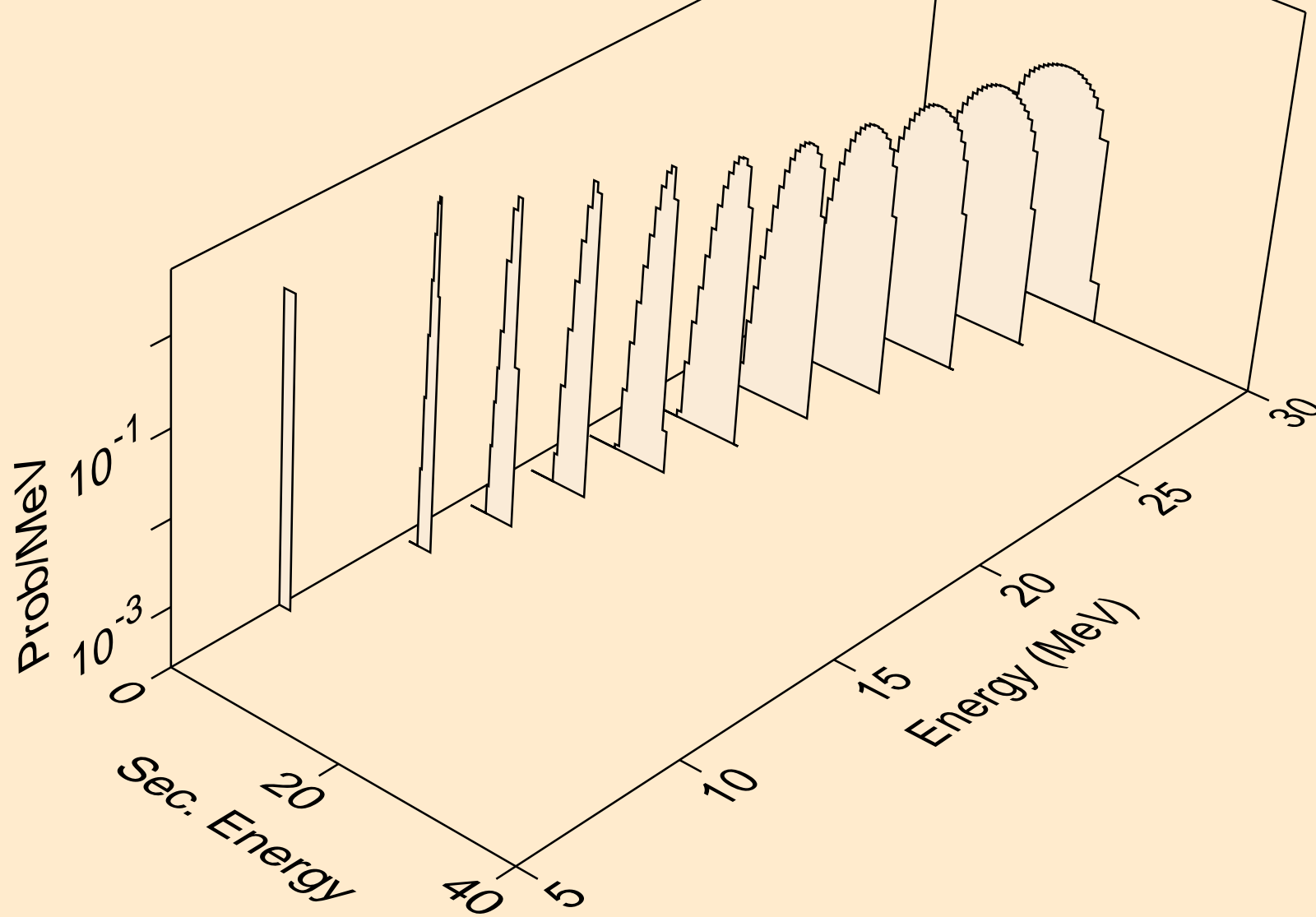
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deuterons from (n,x)



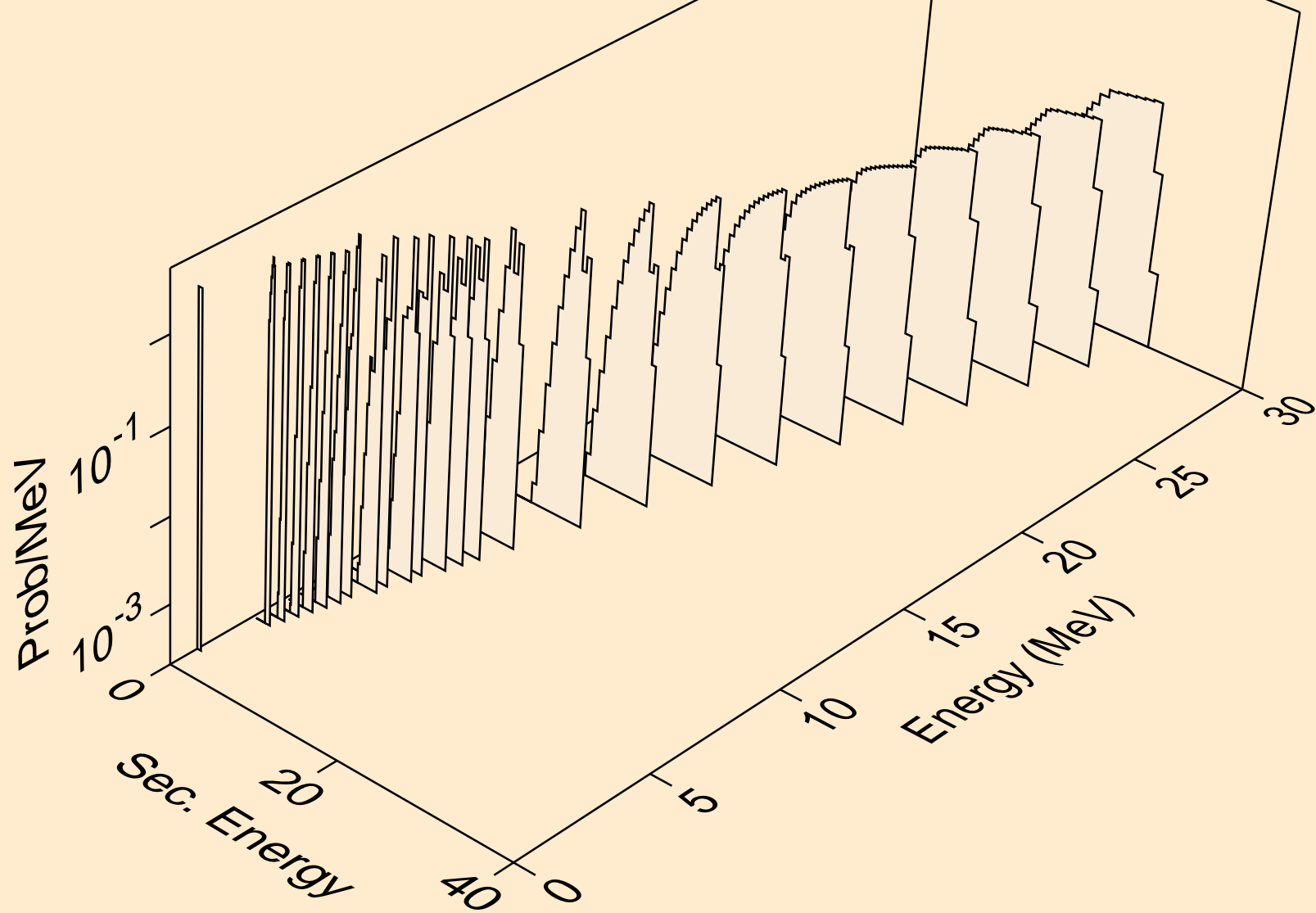
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deuterons from (n,2nd)



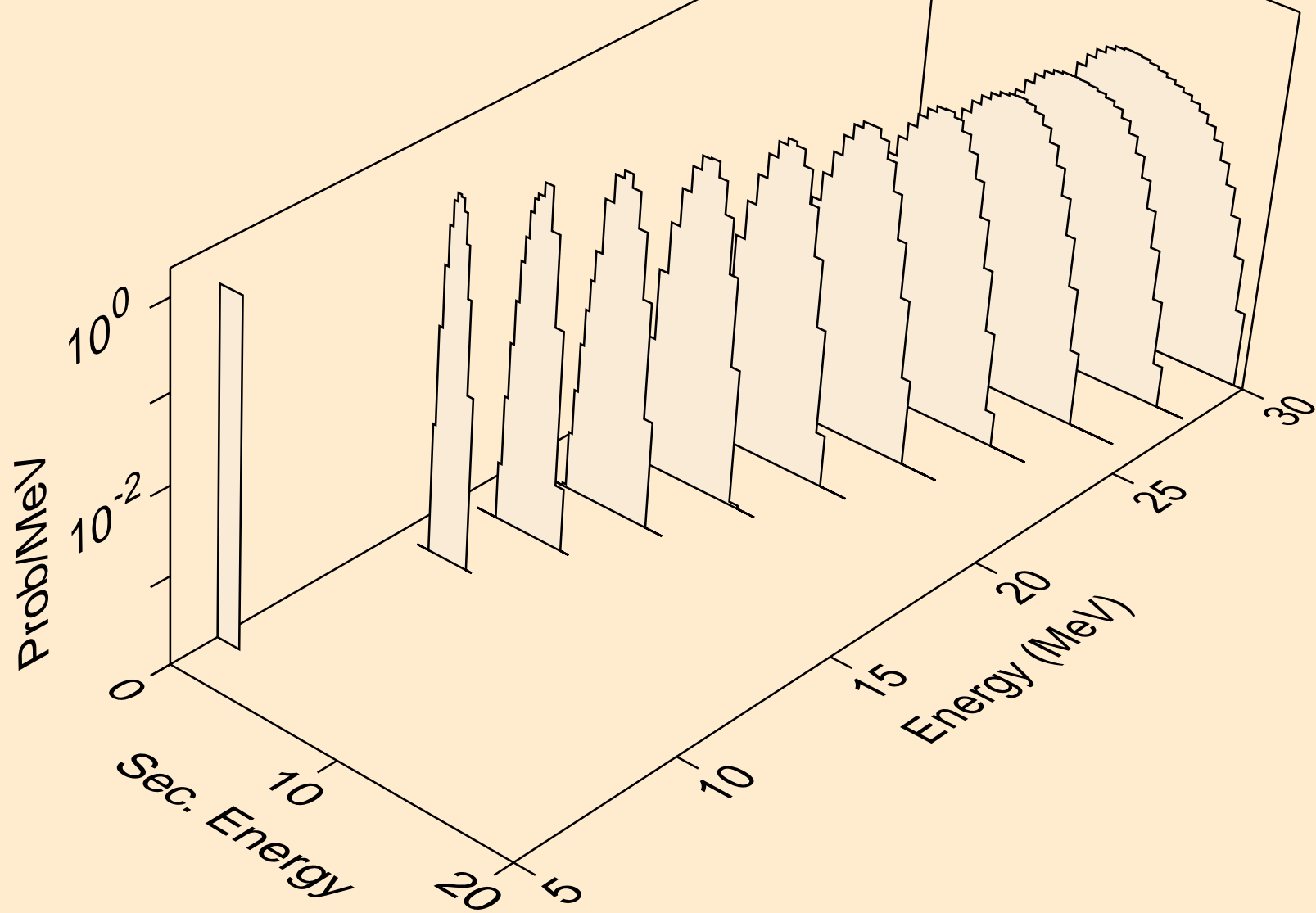
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deuterons from (n,n\*)d



TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d)

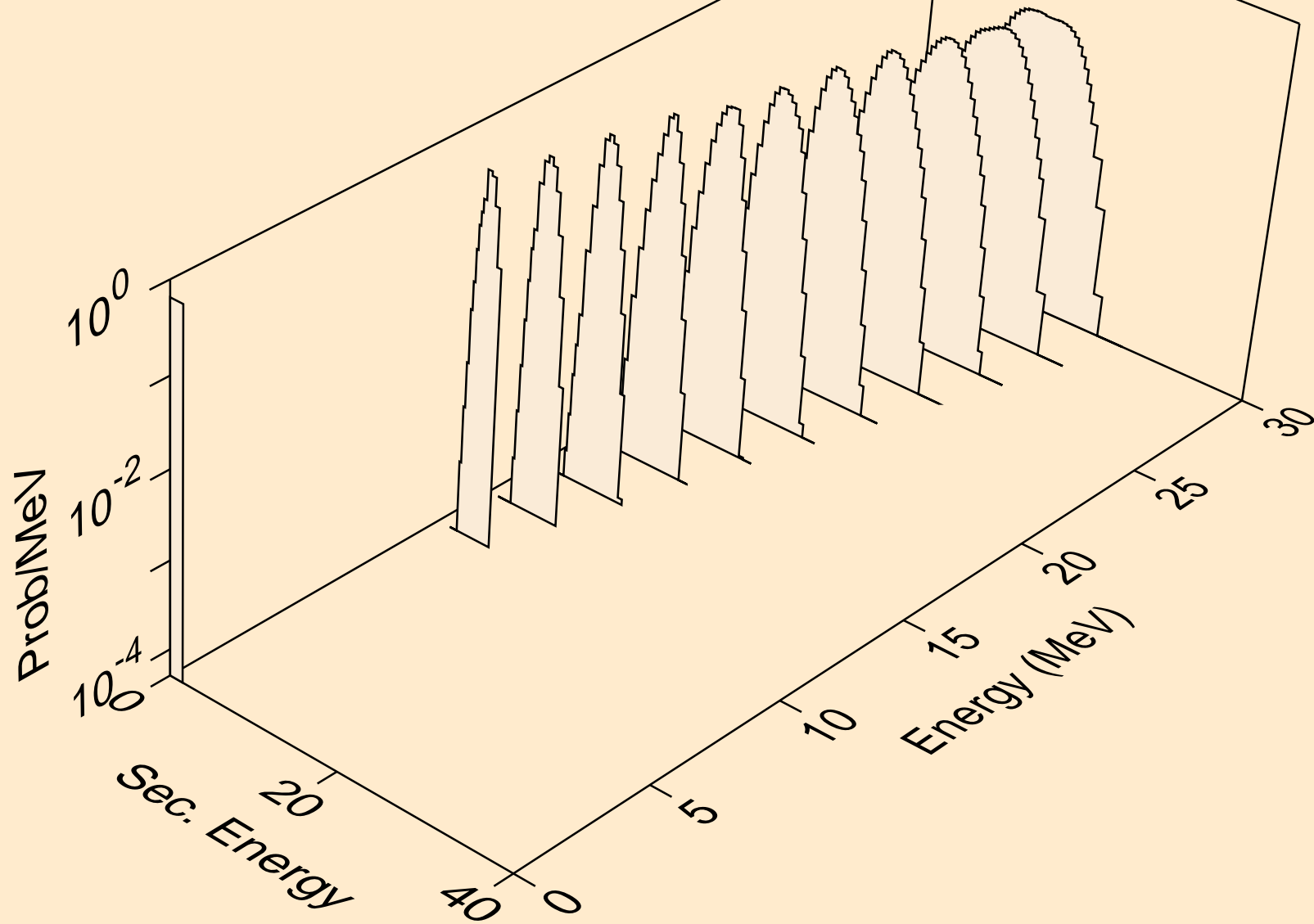


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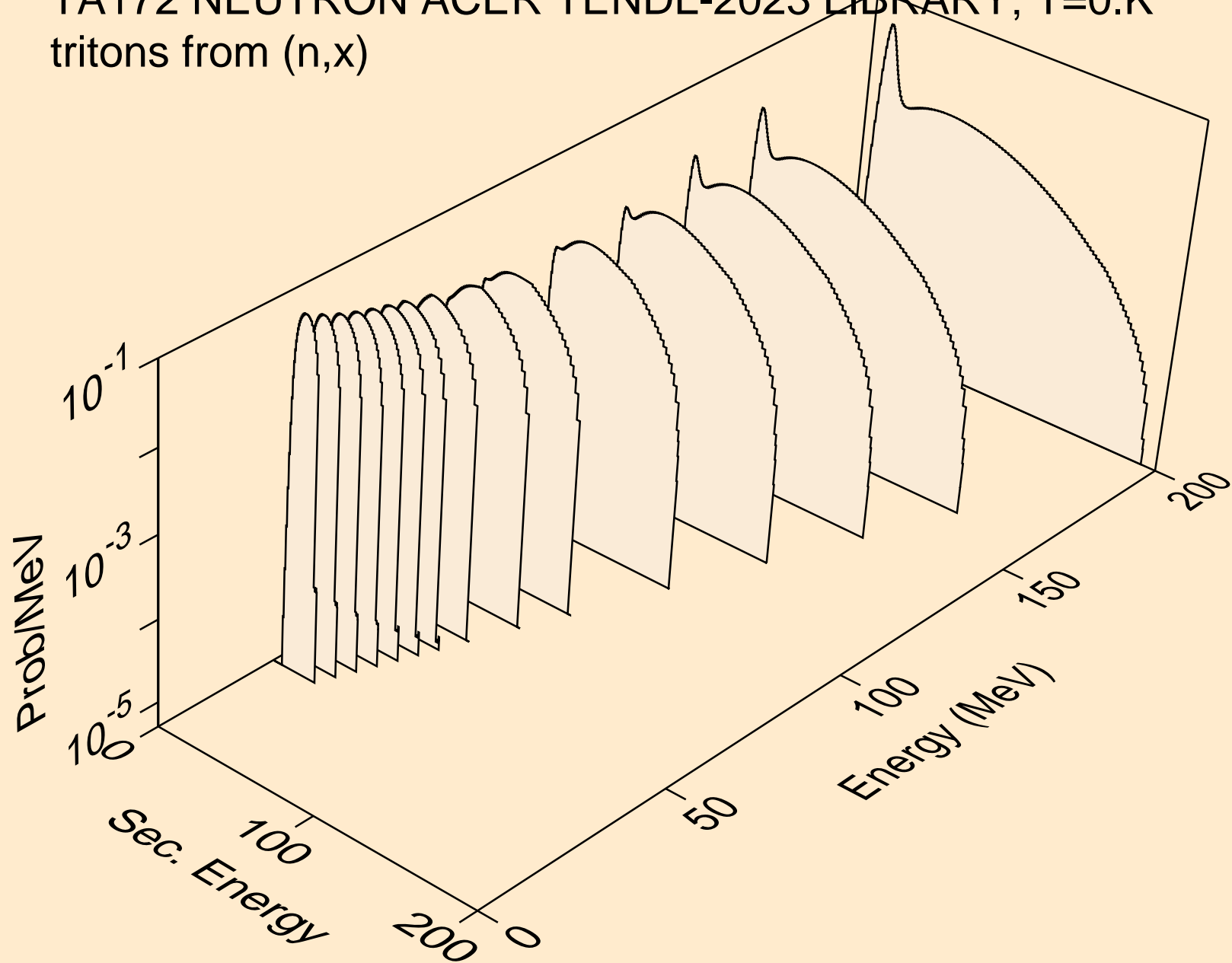




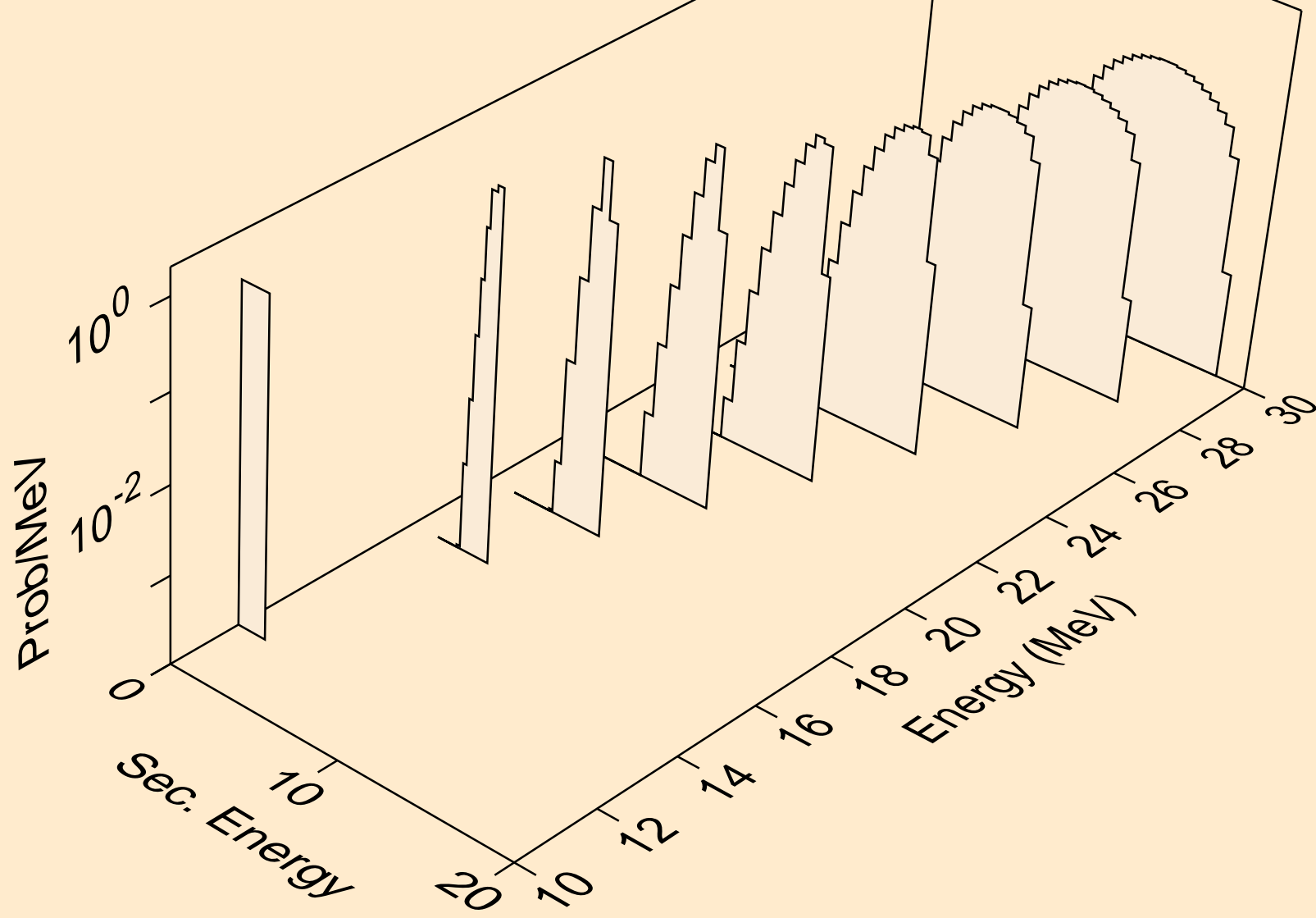
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deuterons from (n,da)



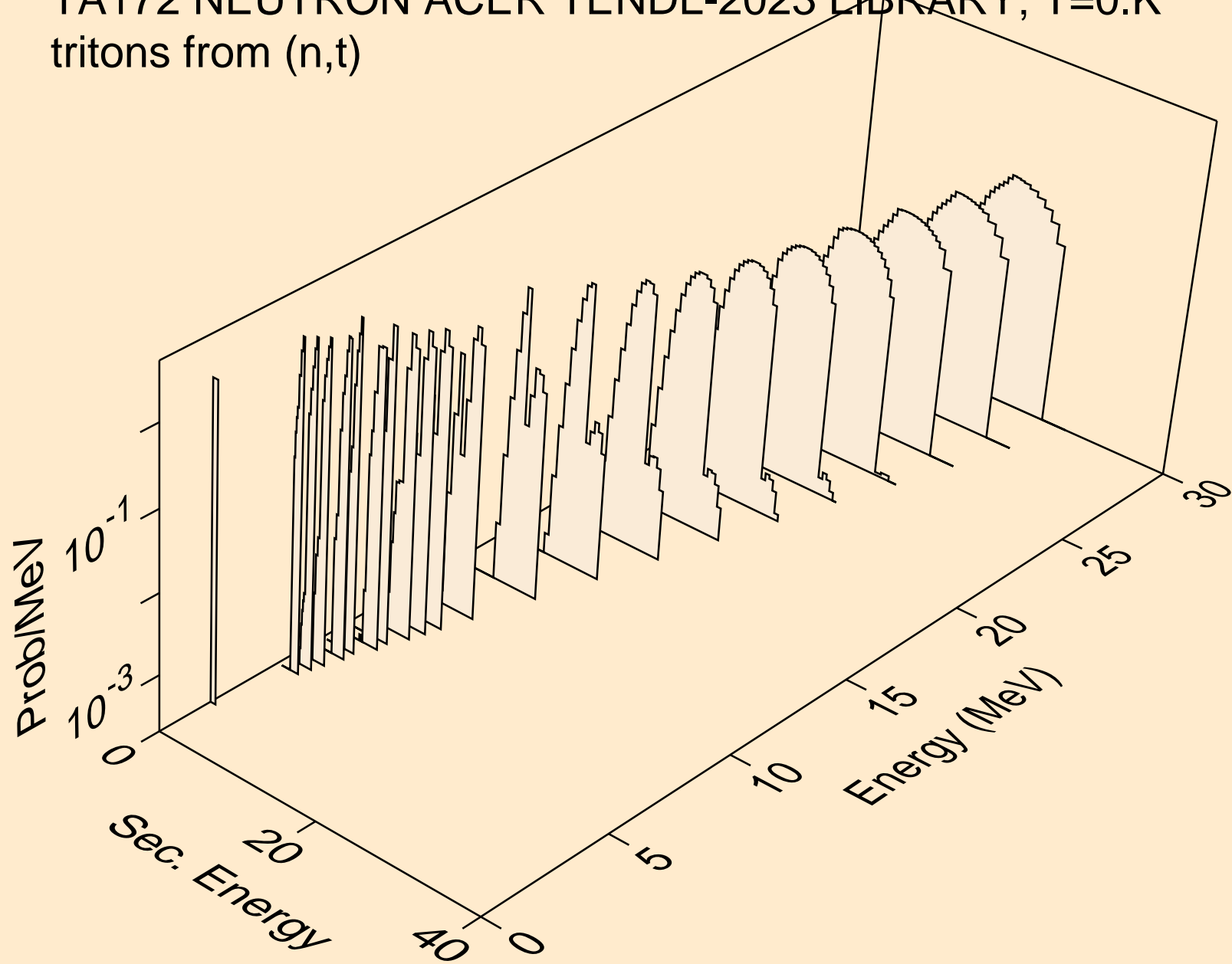
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tritons from (n,x)



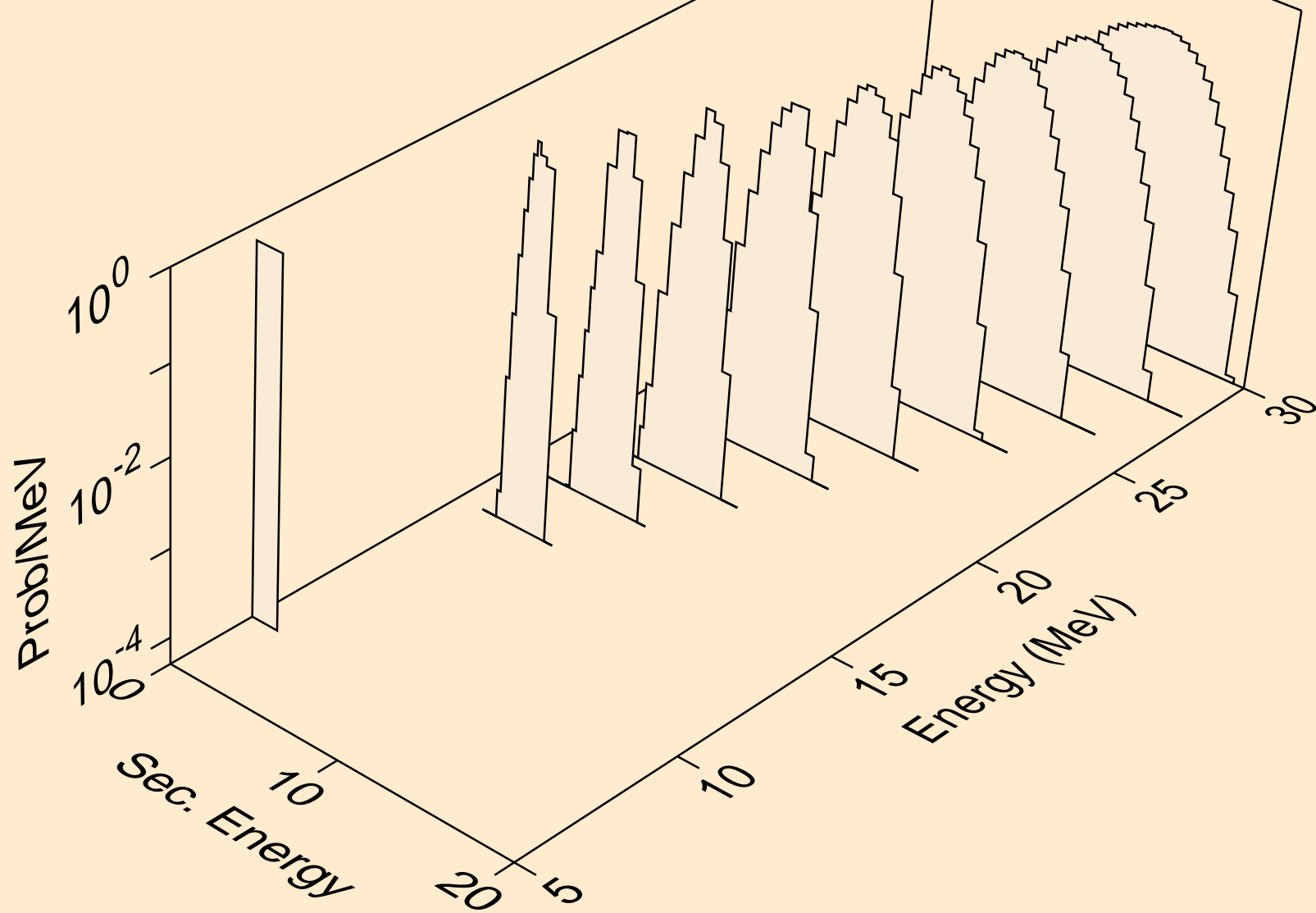
TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



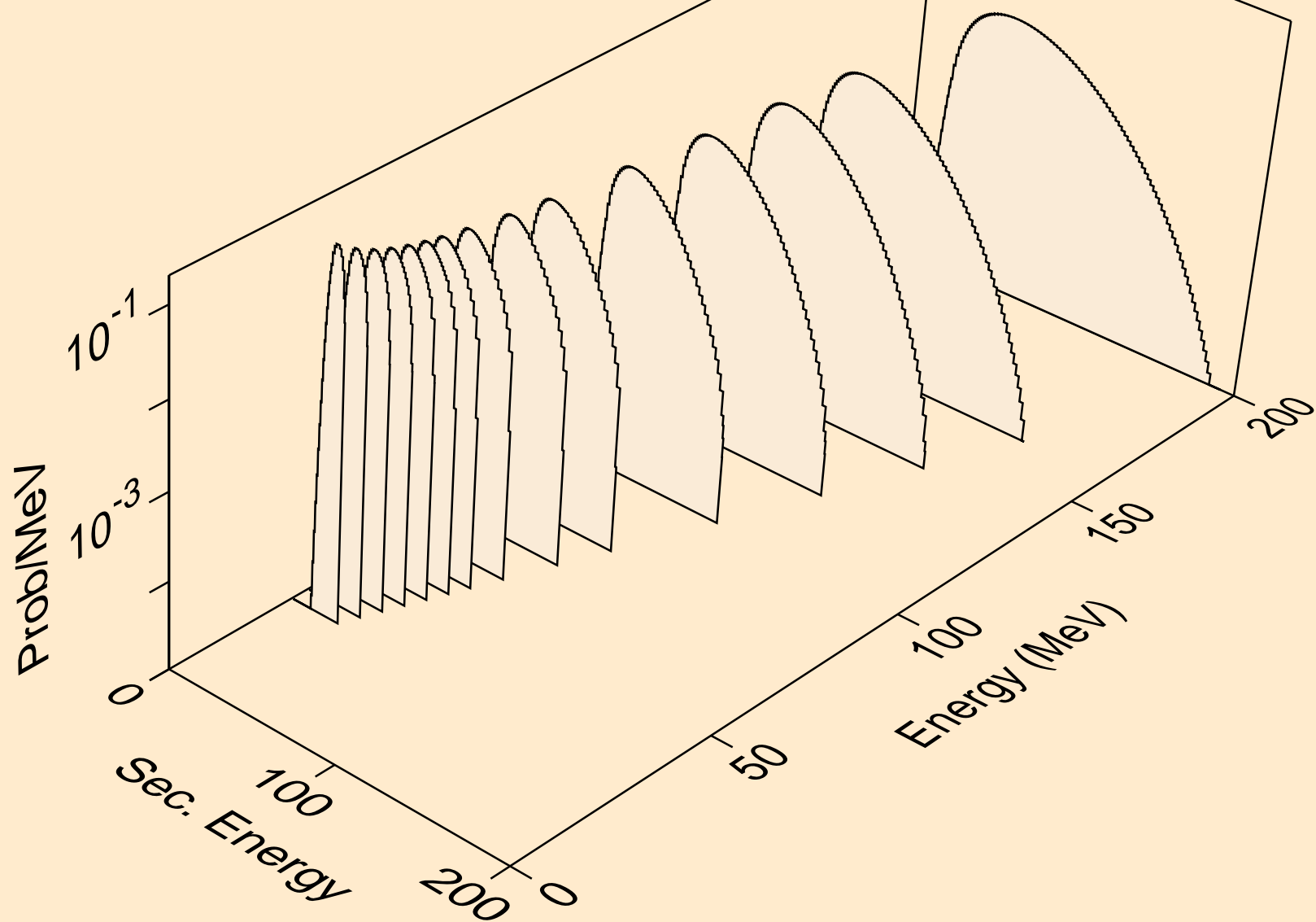
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tritons from (n,t)



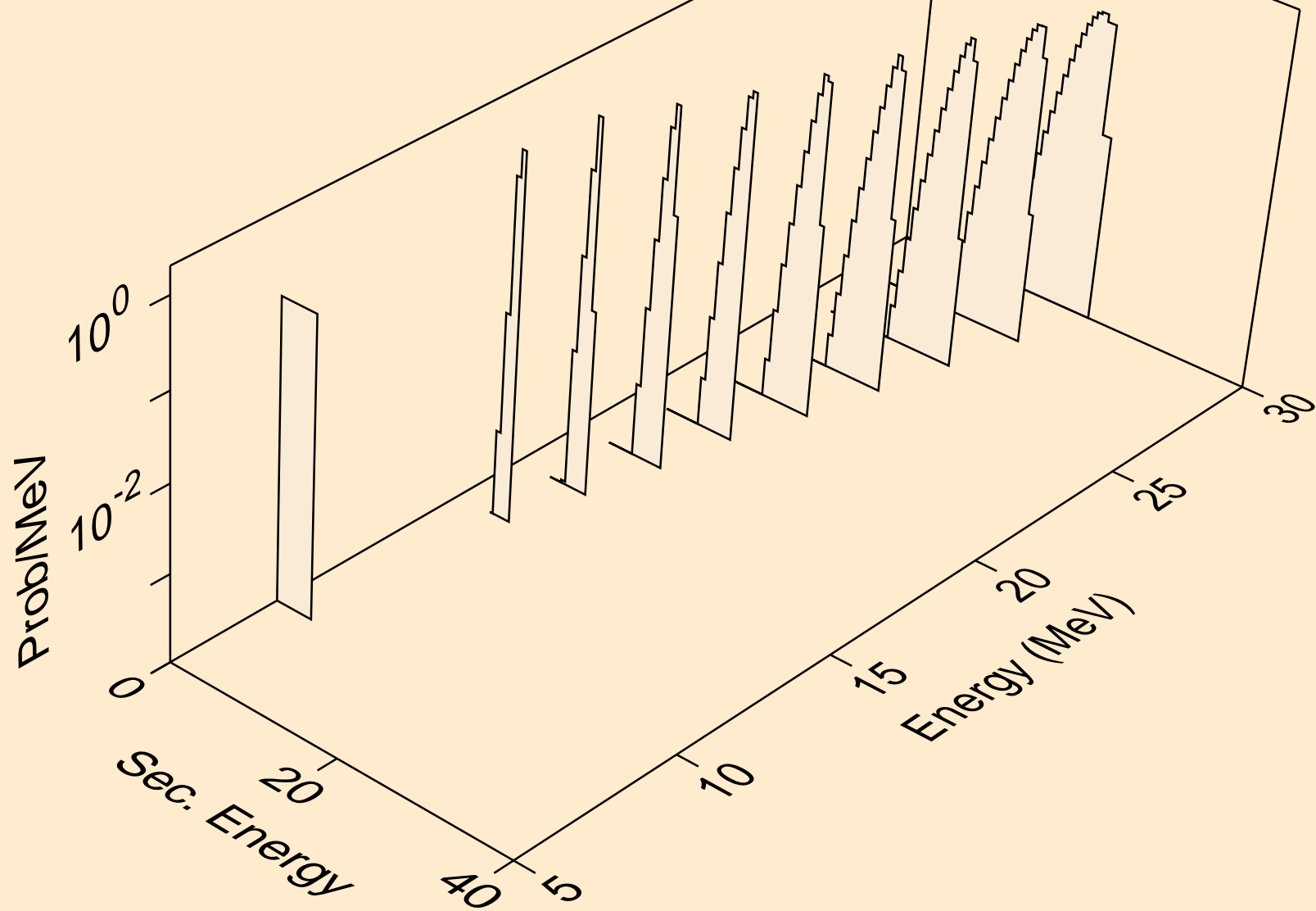
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tritons from (n,pt)



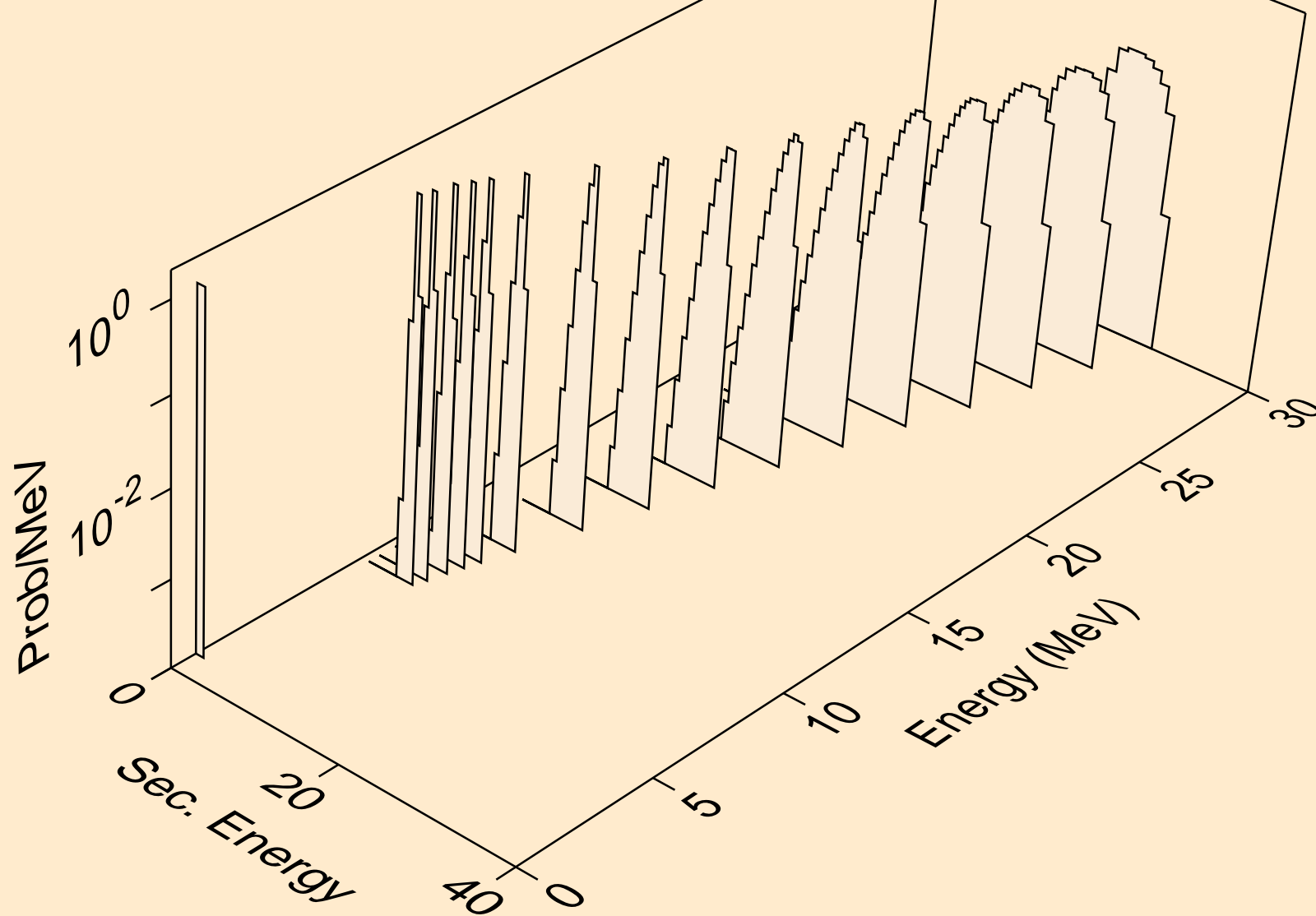
TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3

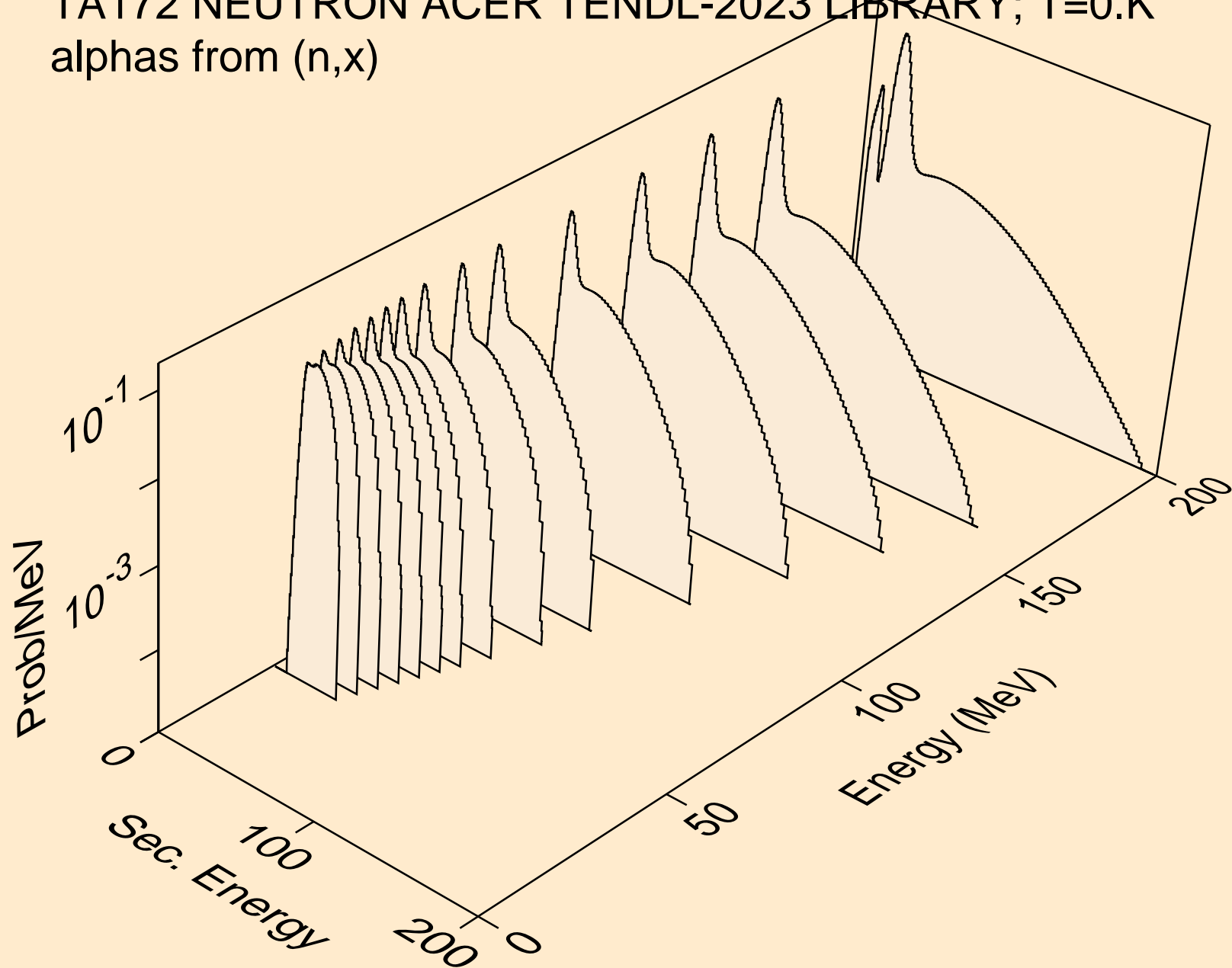


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he3s from (n,he3)

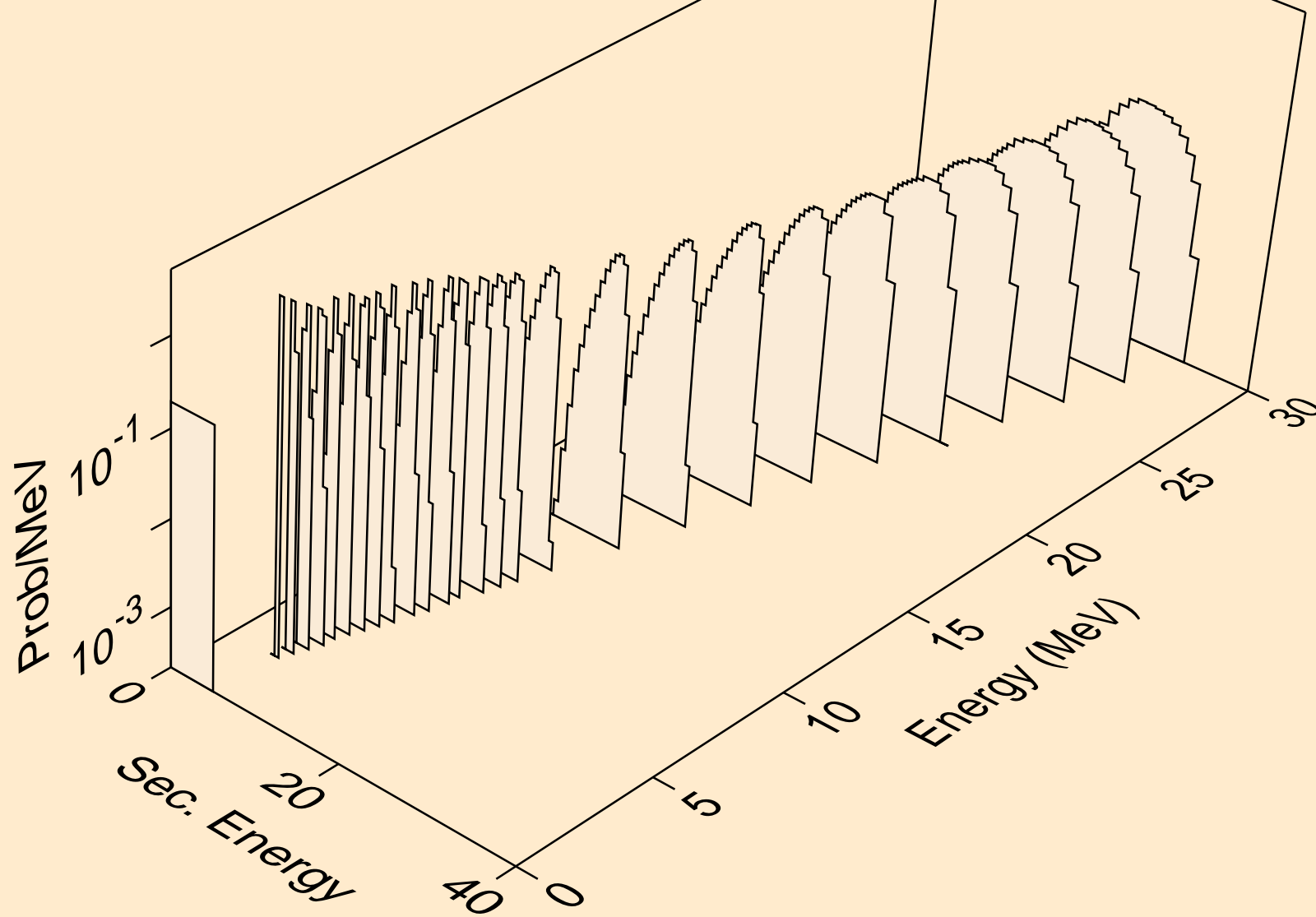




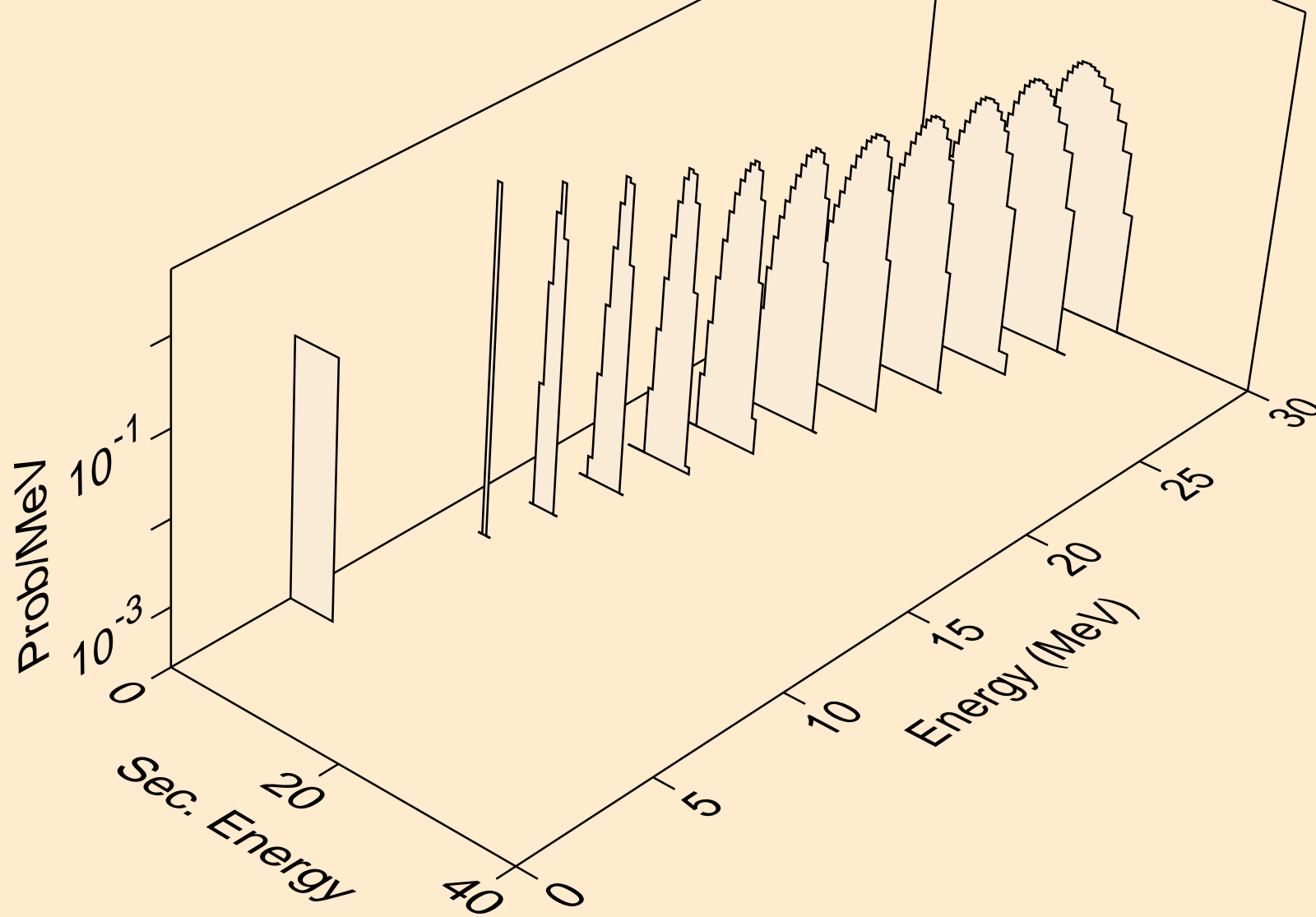
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alphas from (n,x)



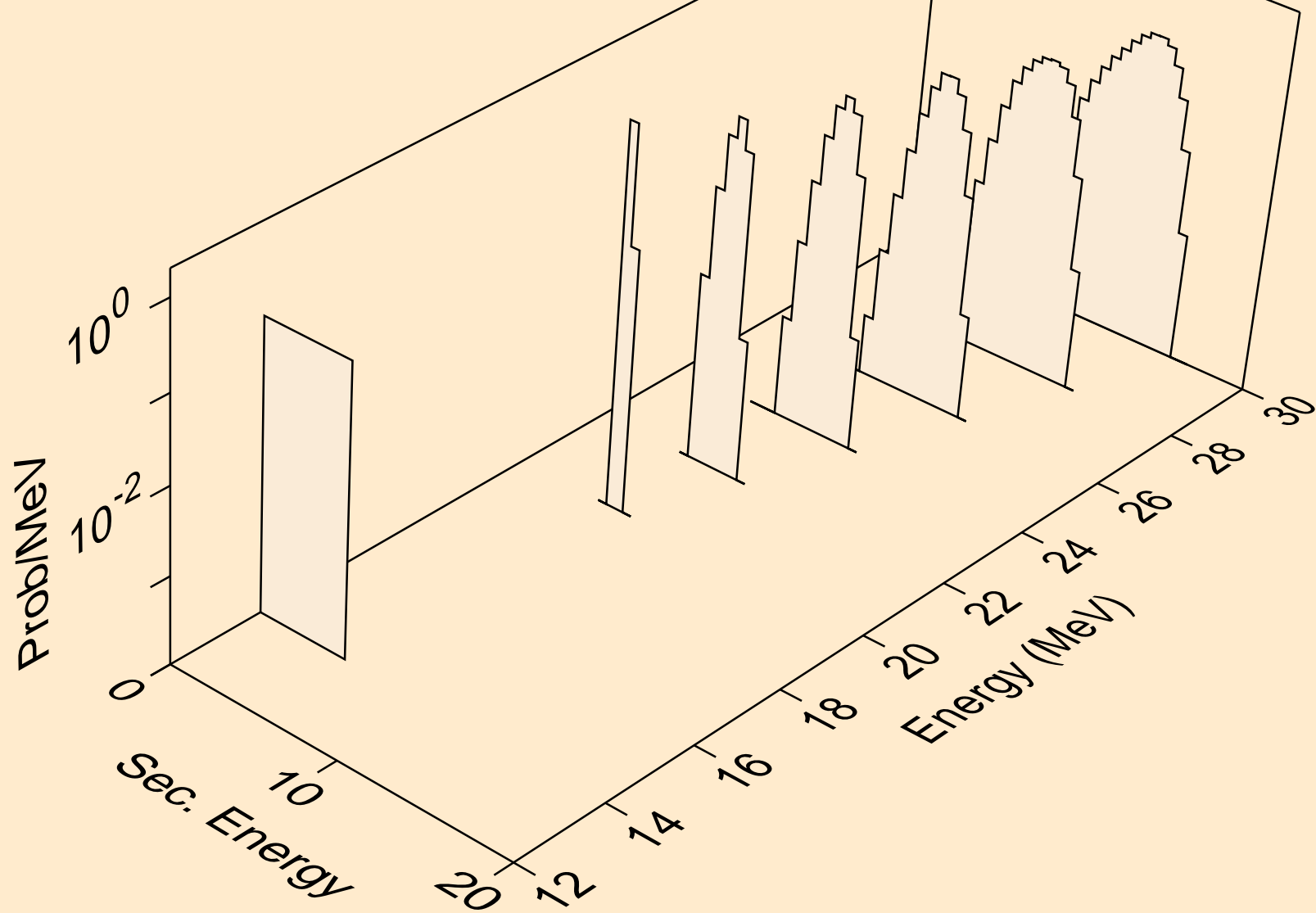
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alphas from (n,n\*)a



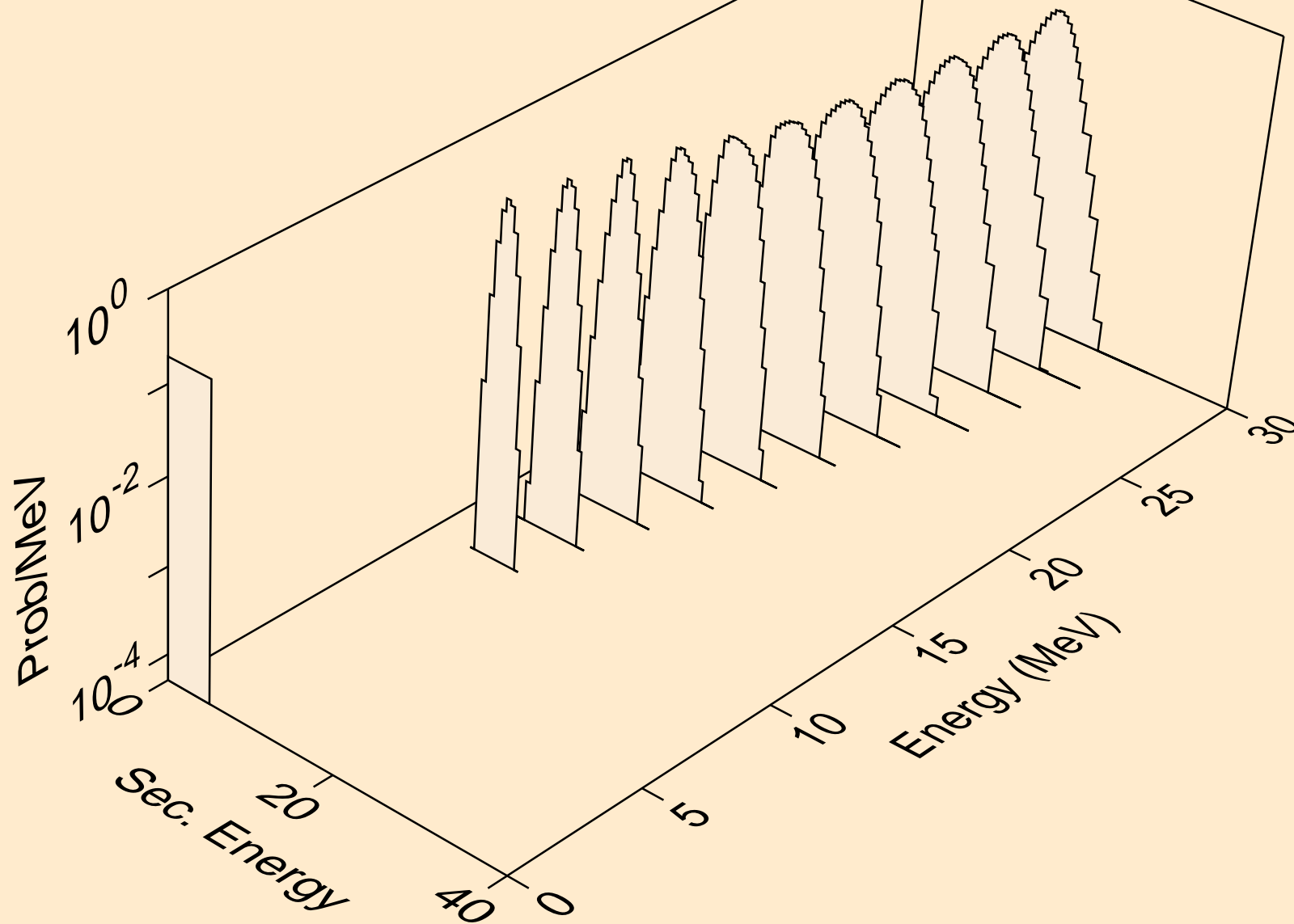
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alphas from (n,2n)a



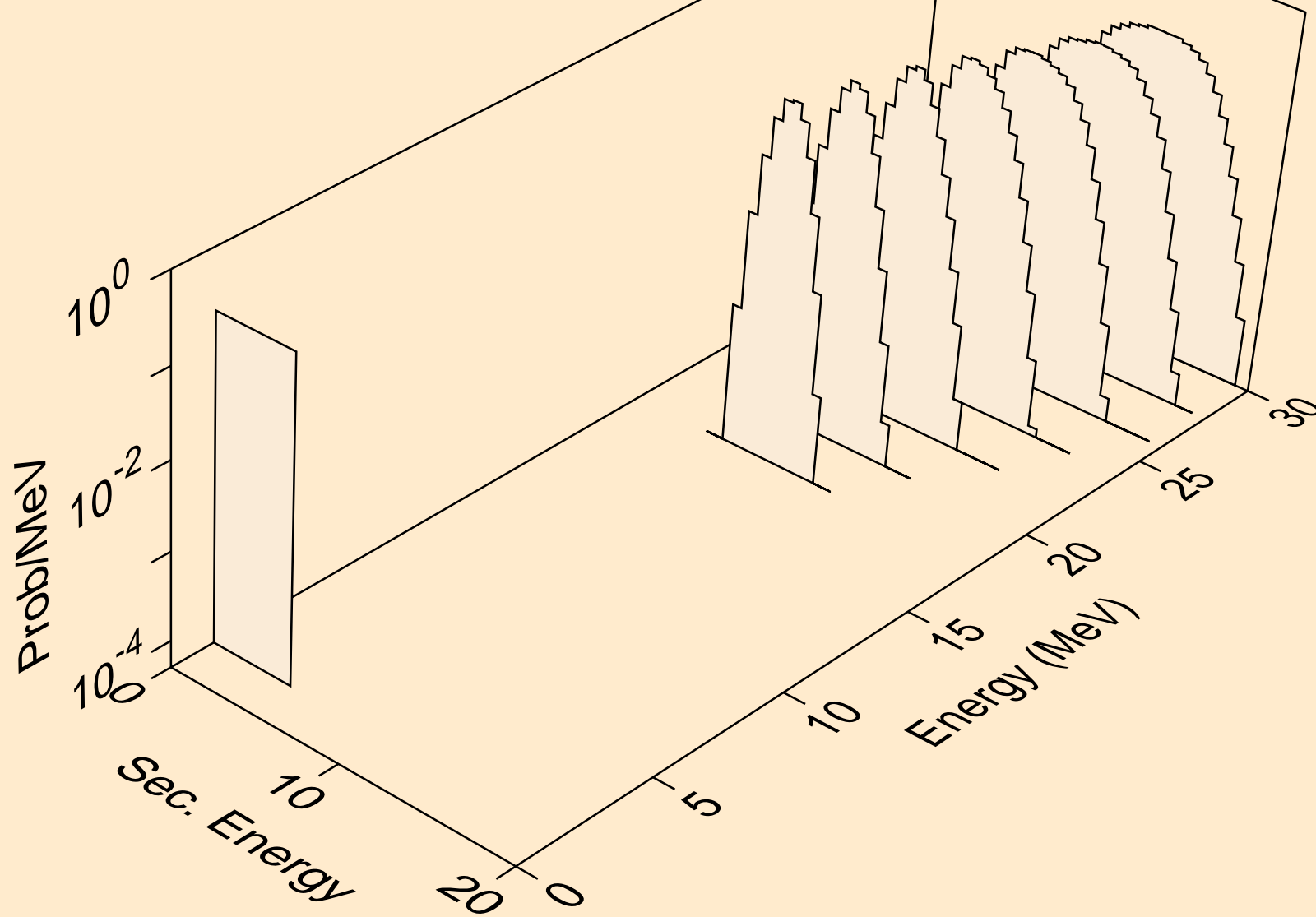
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alphas from (n,3n)a



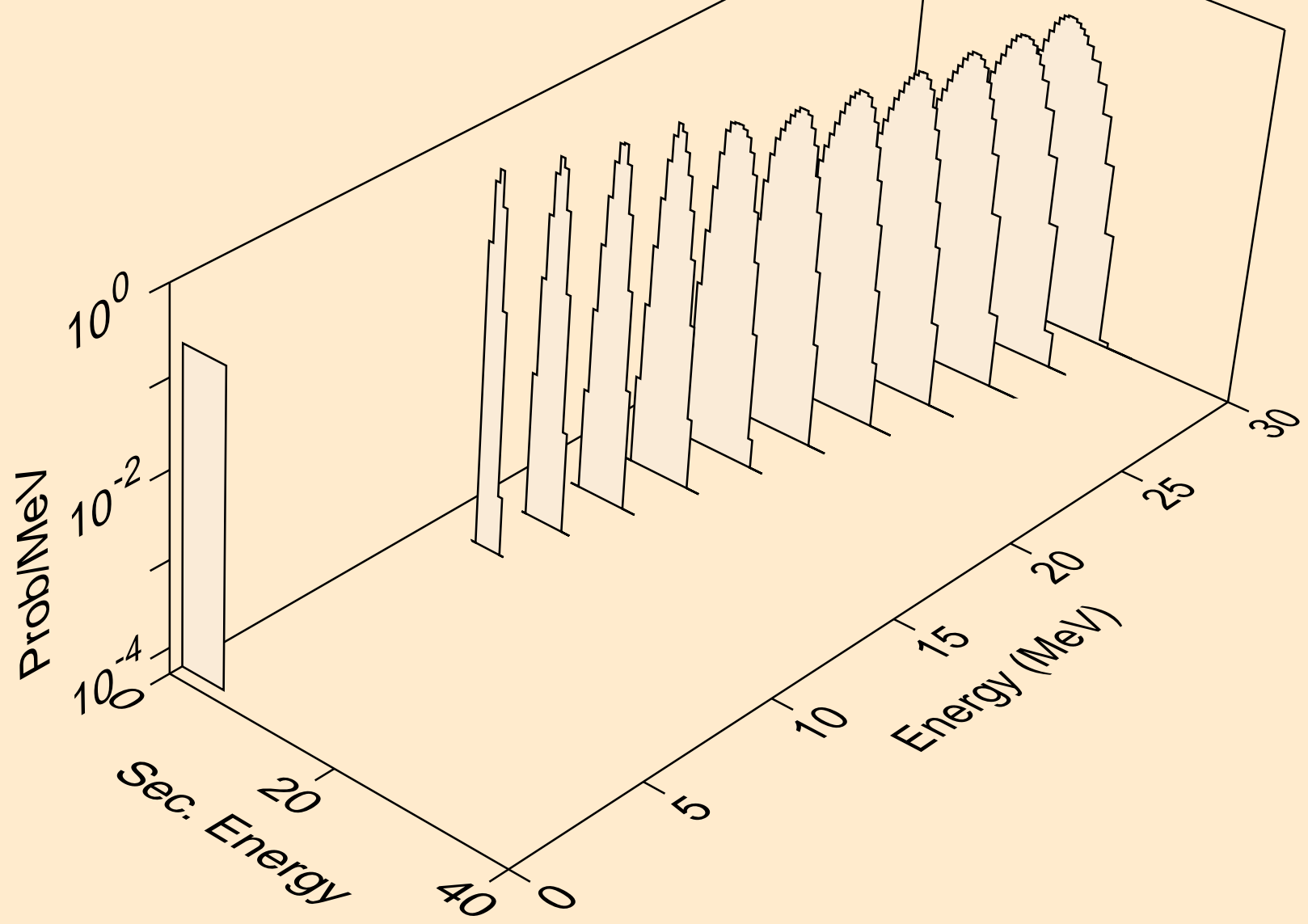
TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a



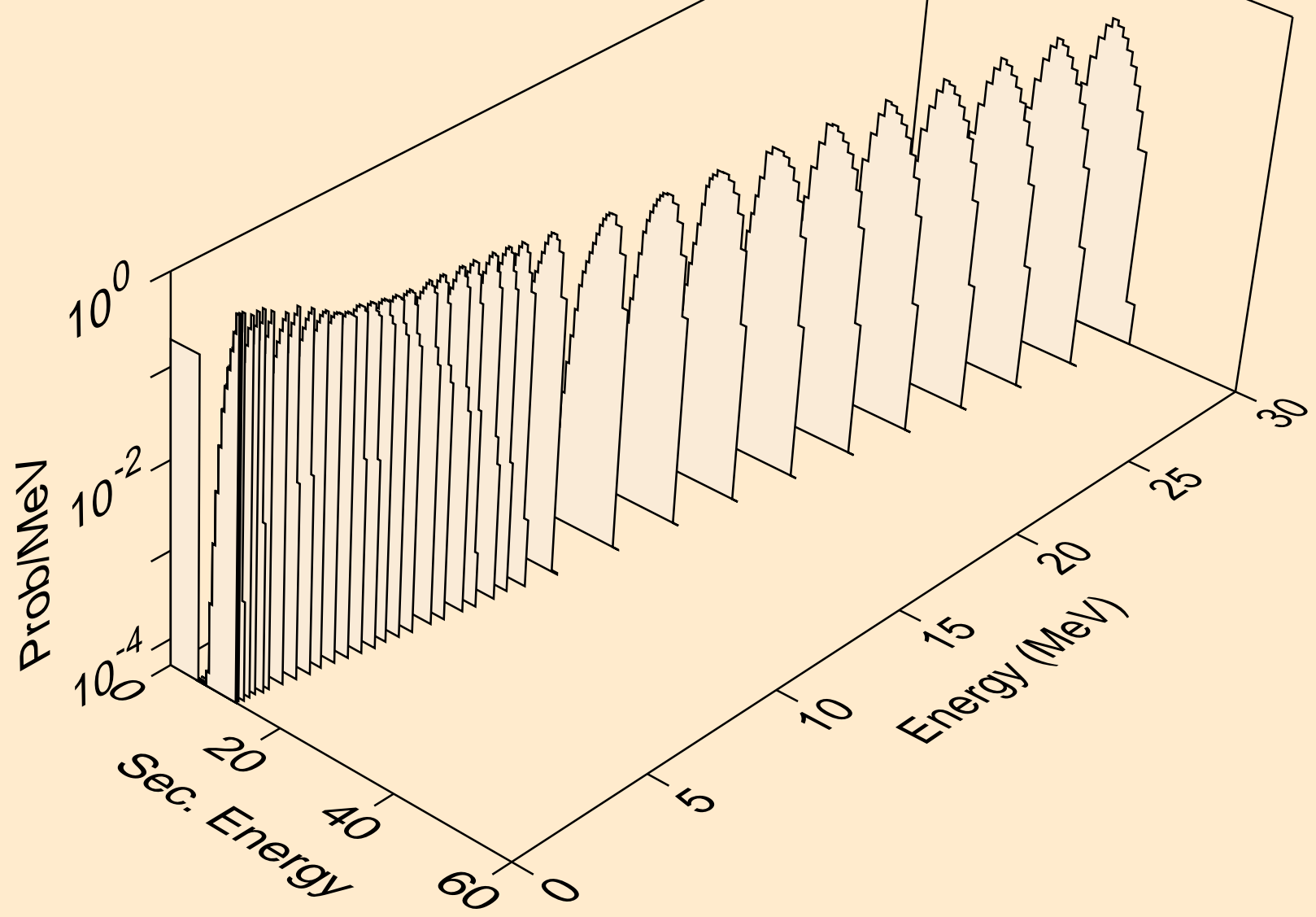
TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)2a



TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)

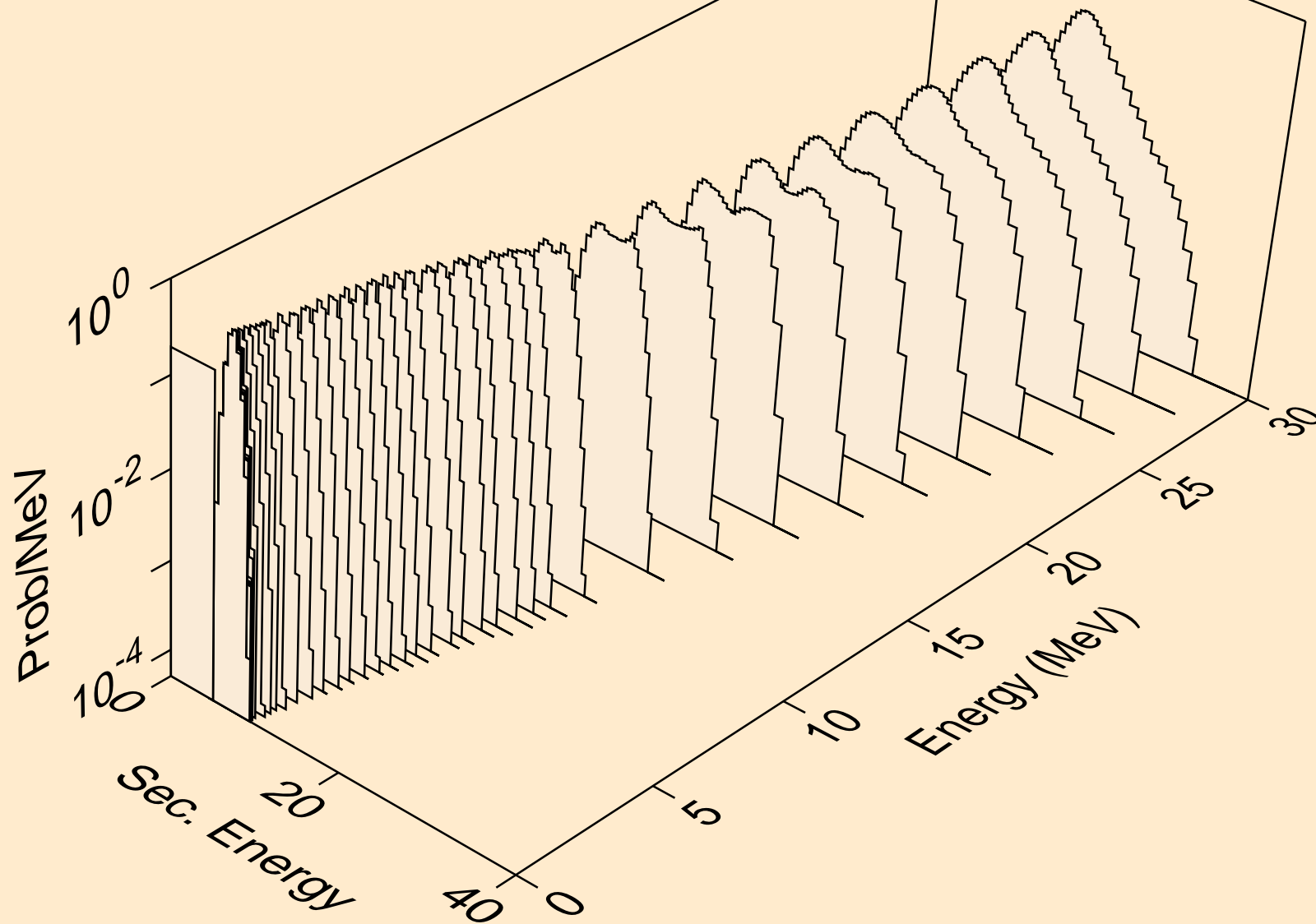


TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)

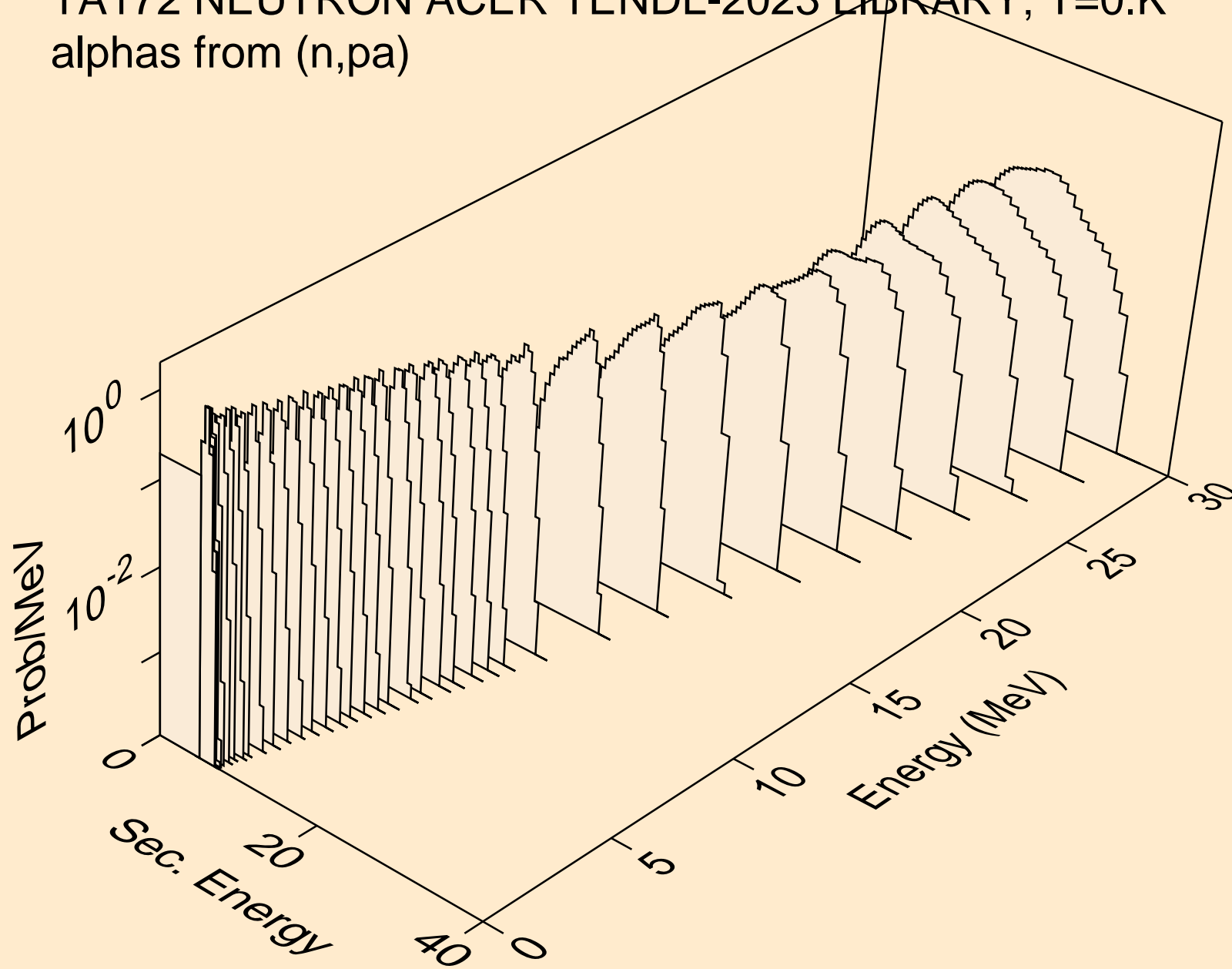




TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



TA172 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

