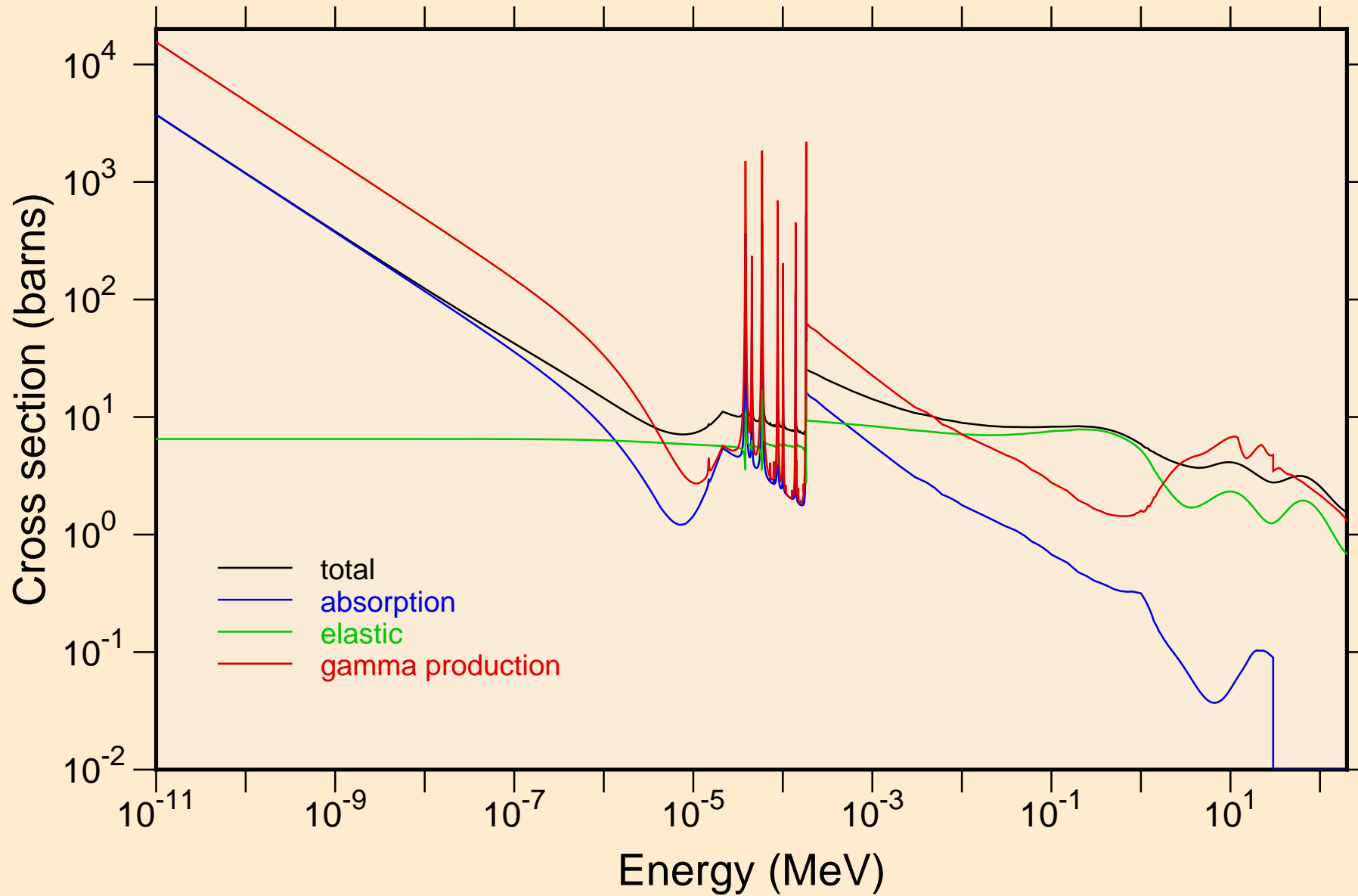
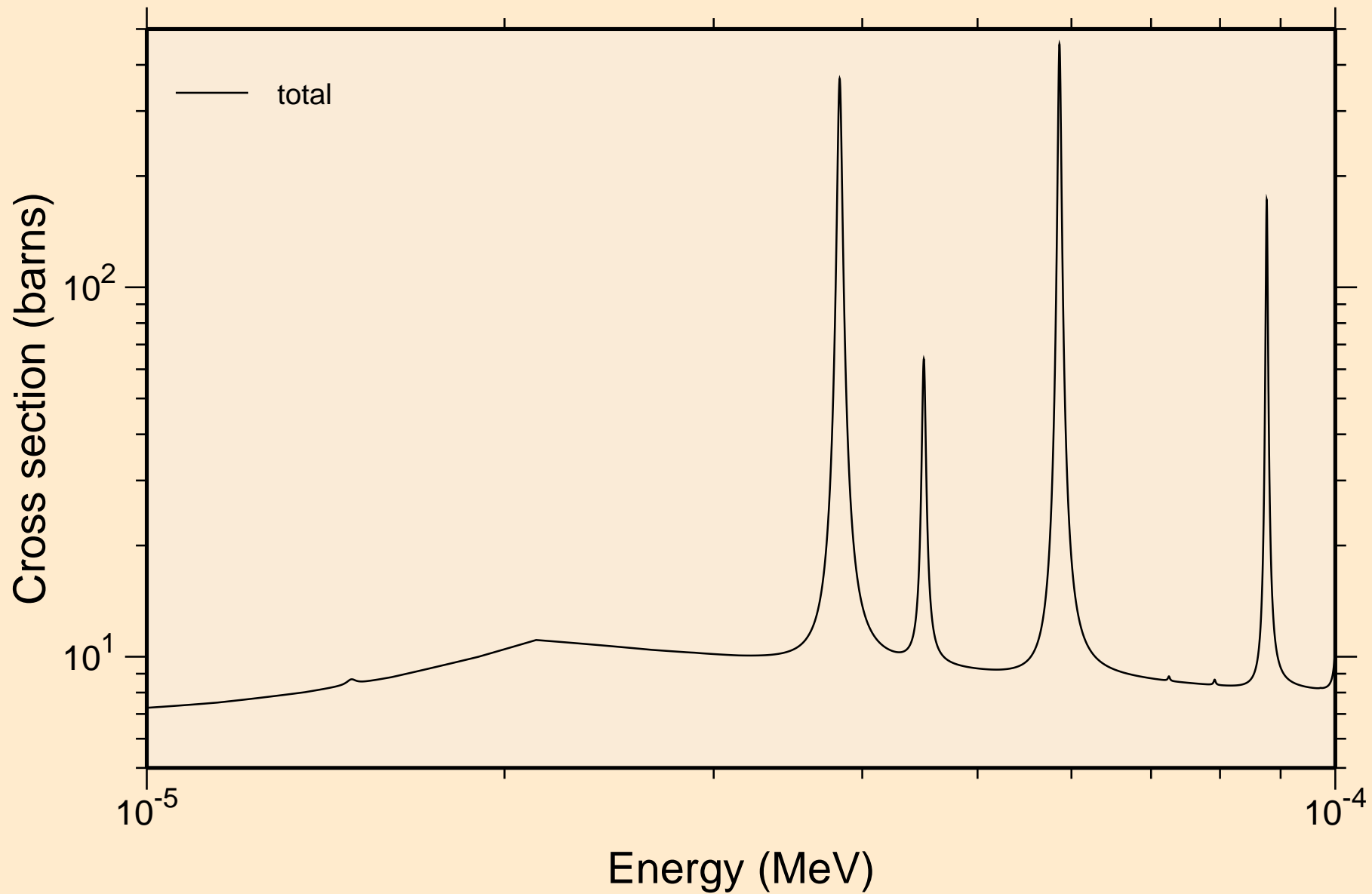


# Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

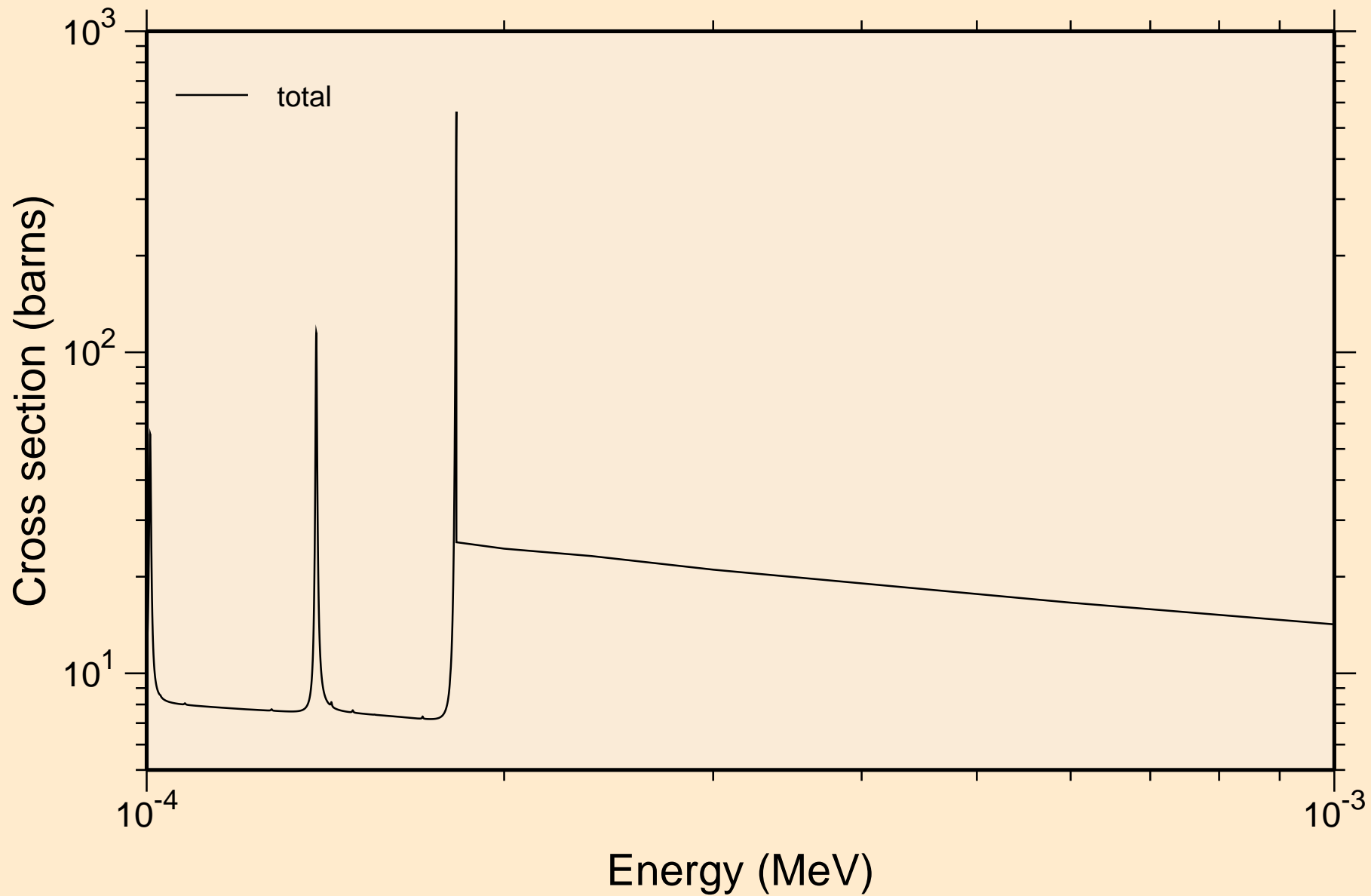
## Principal cross sections



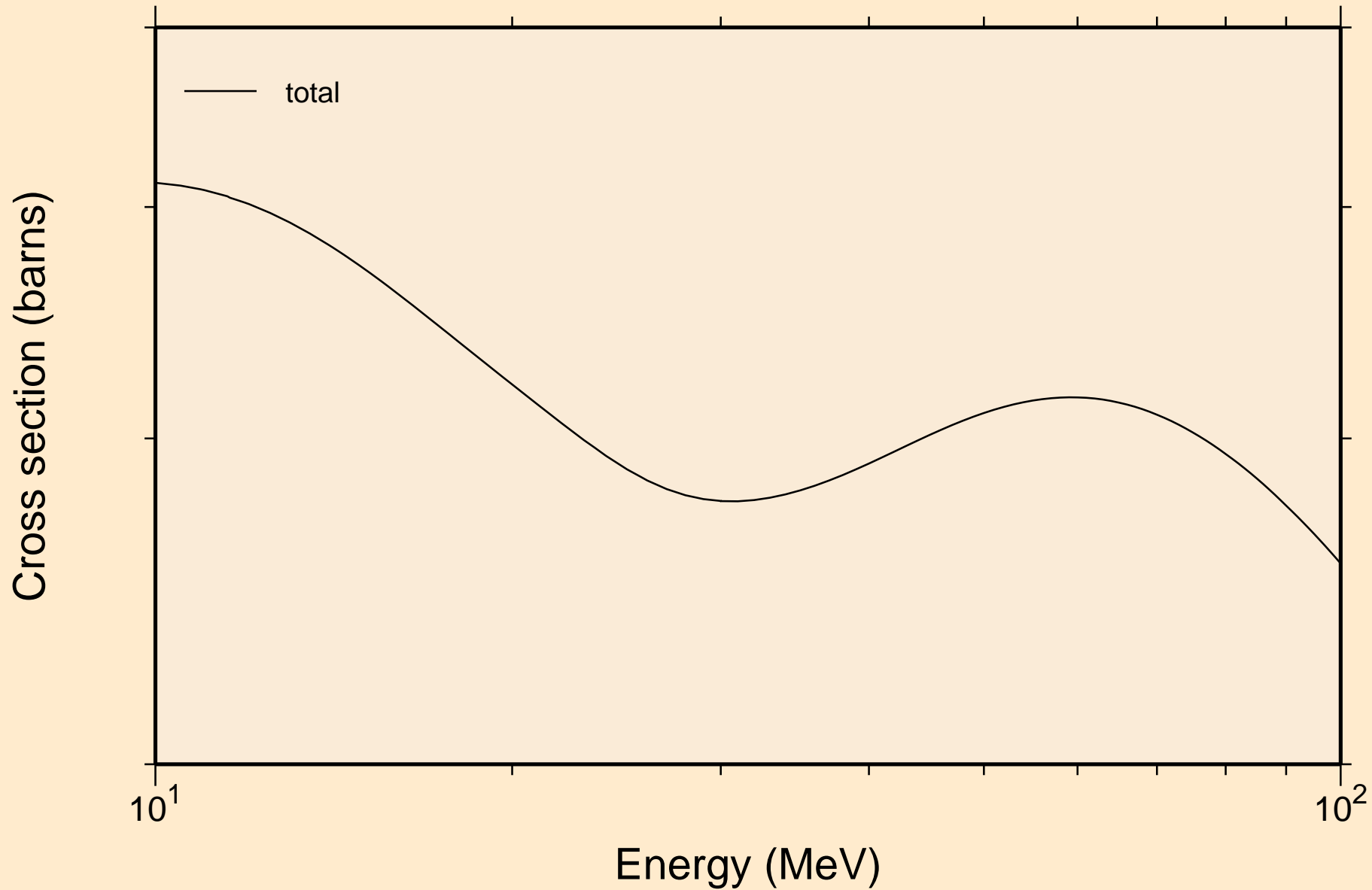
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resonance total cross section



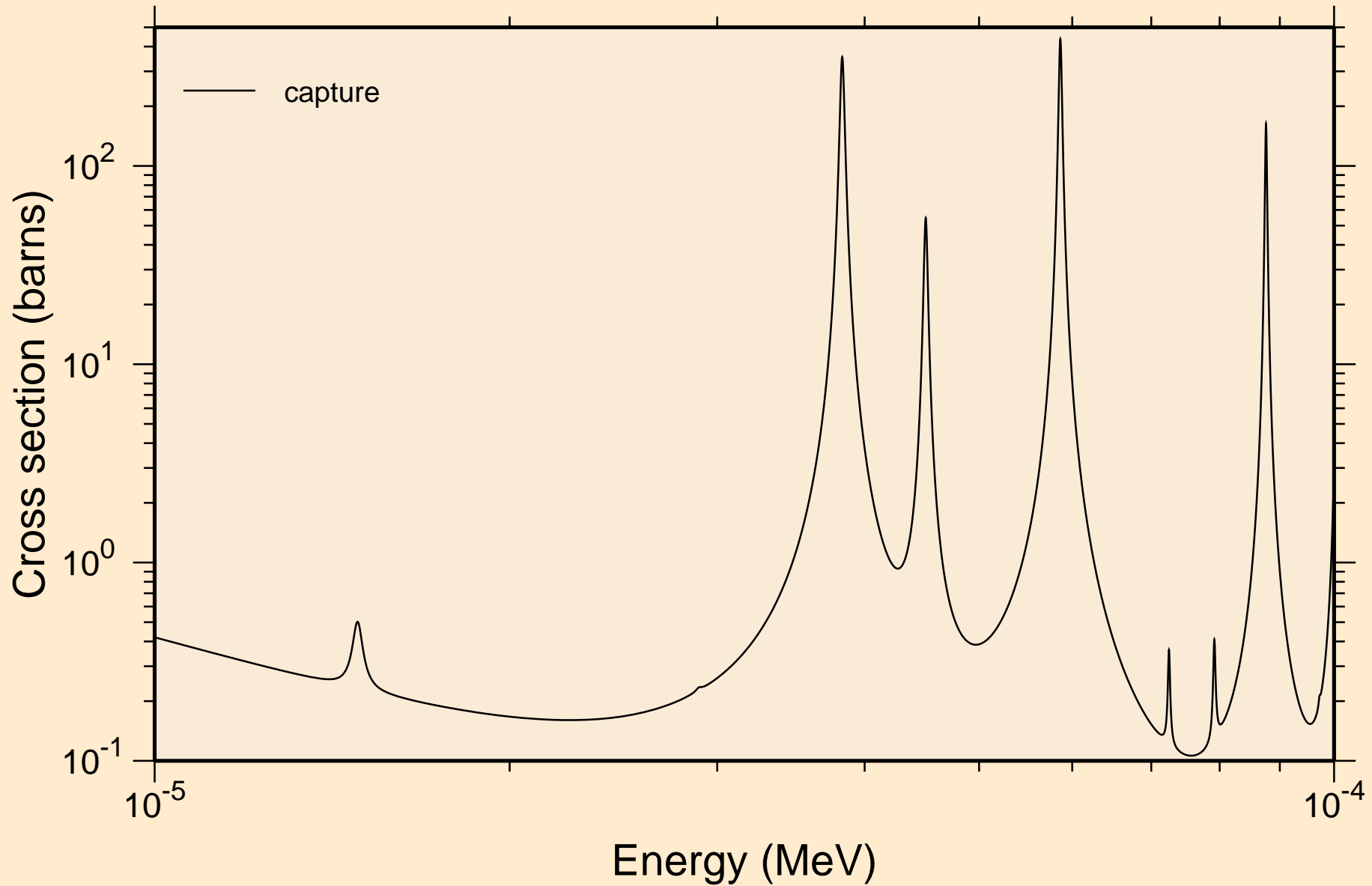
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resonance total cross section



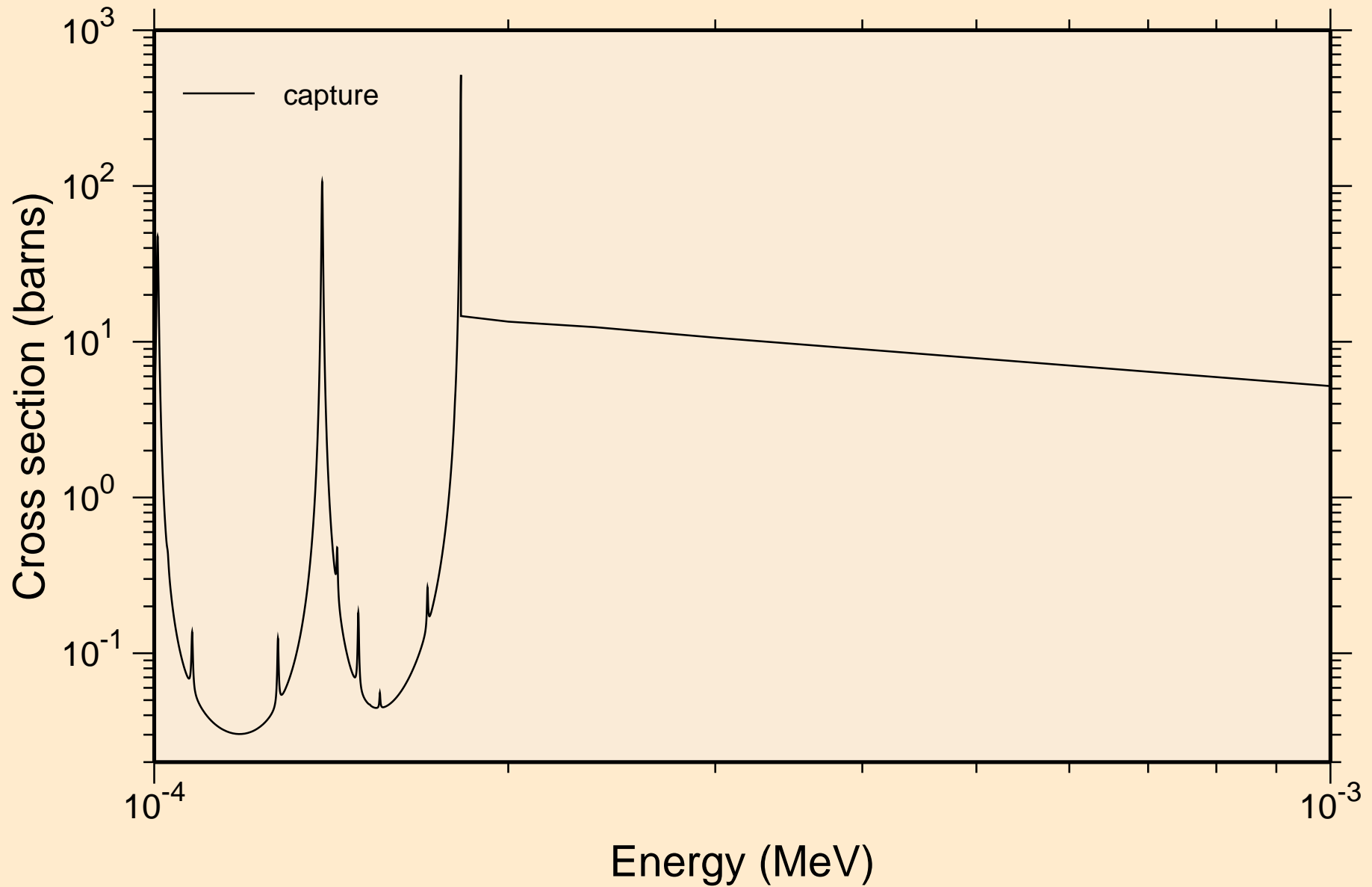
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resonance total cross section



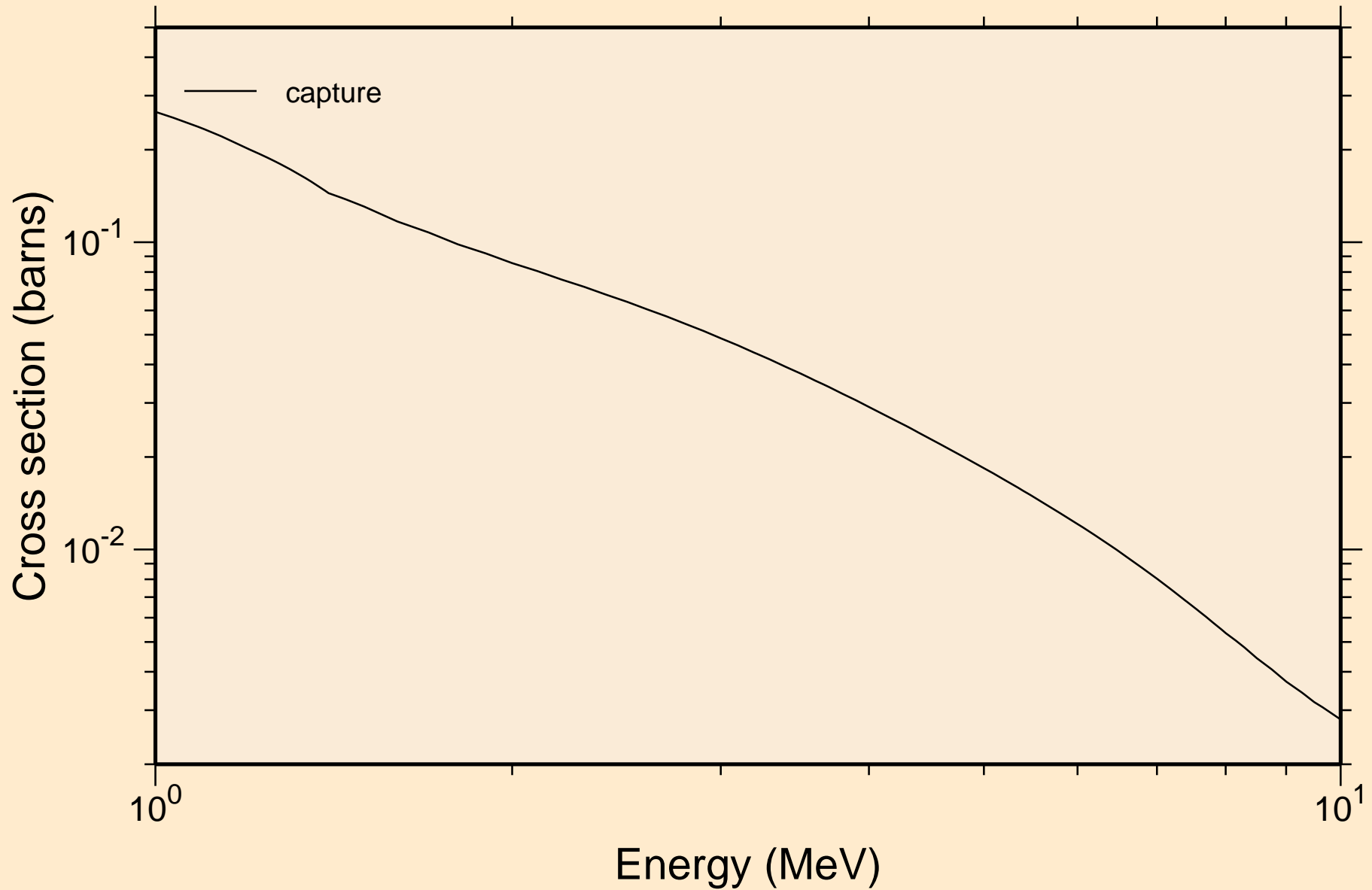
Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

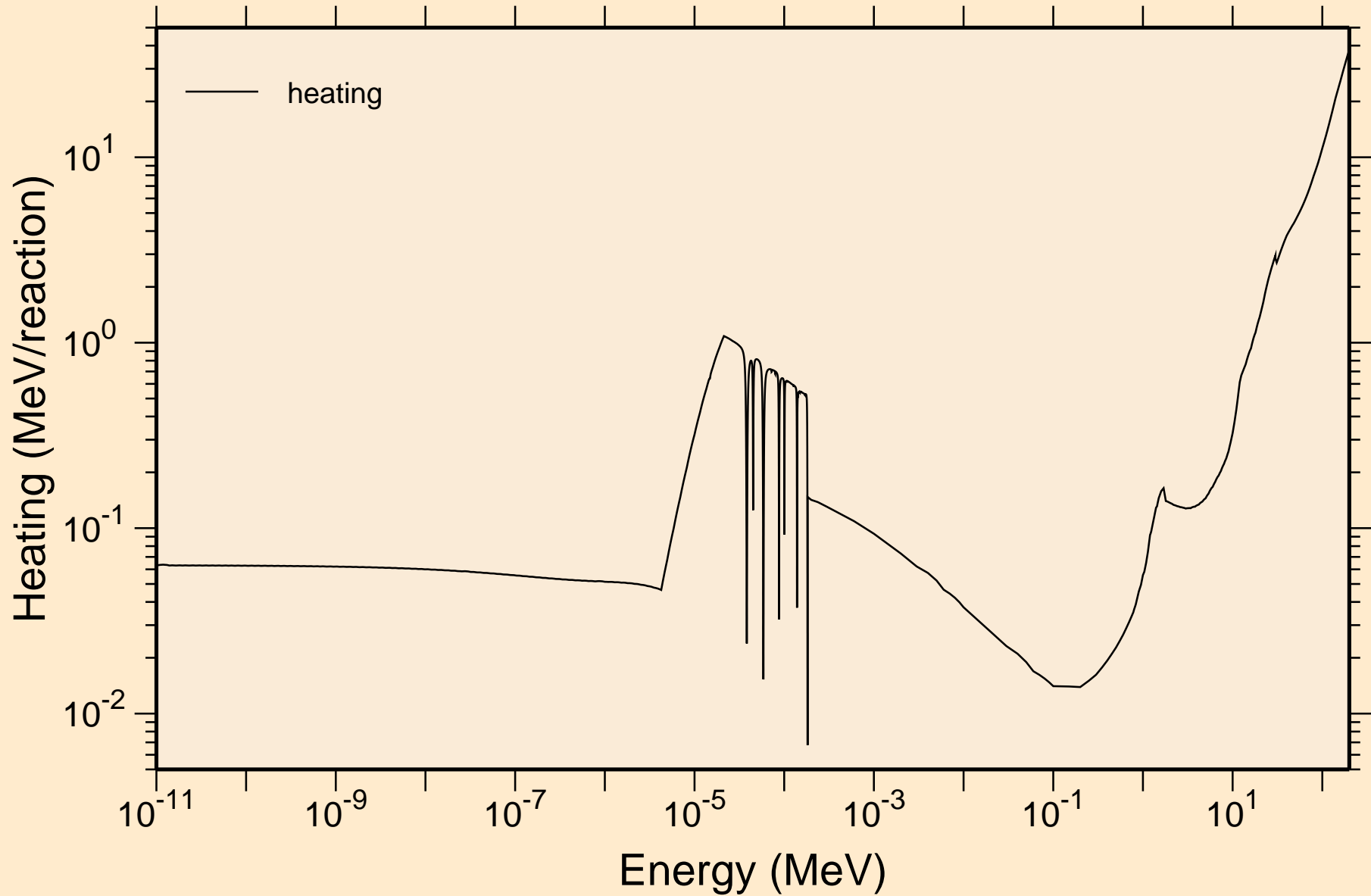


Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



# Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

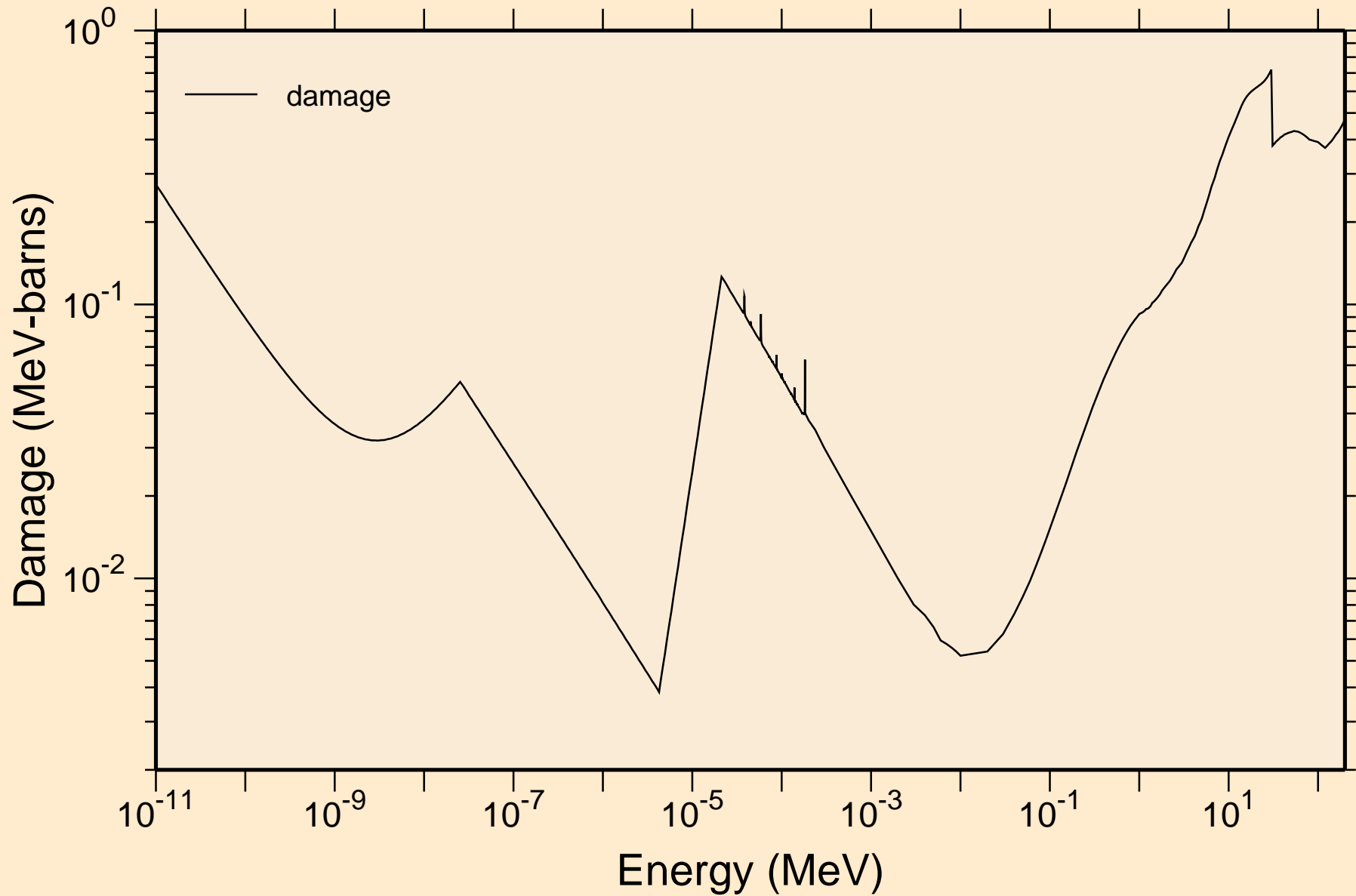
## Heating



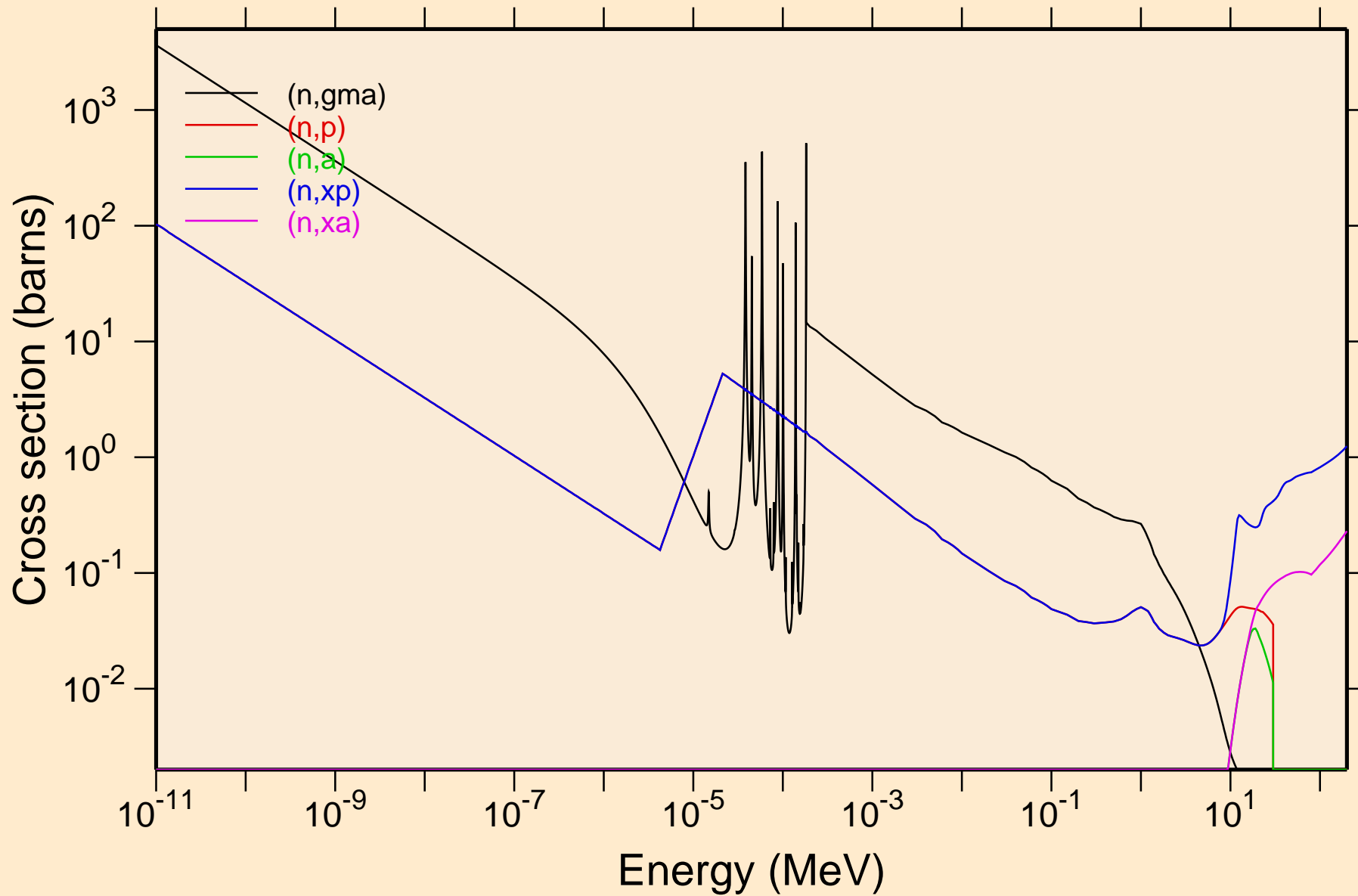


# Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage

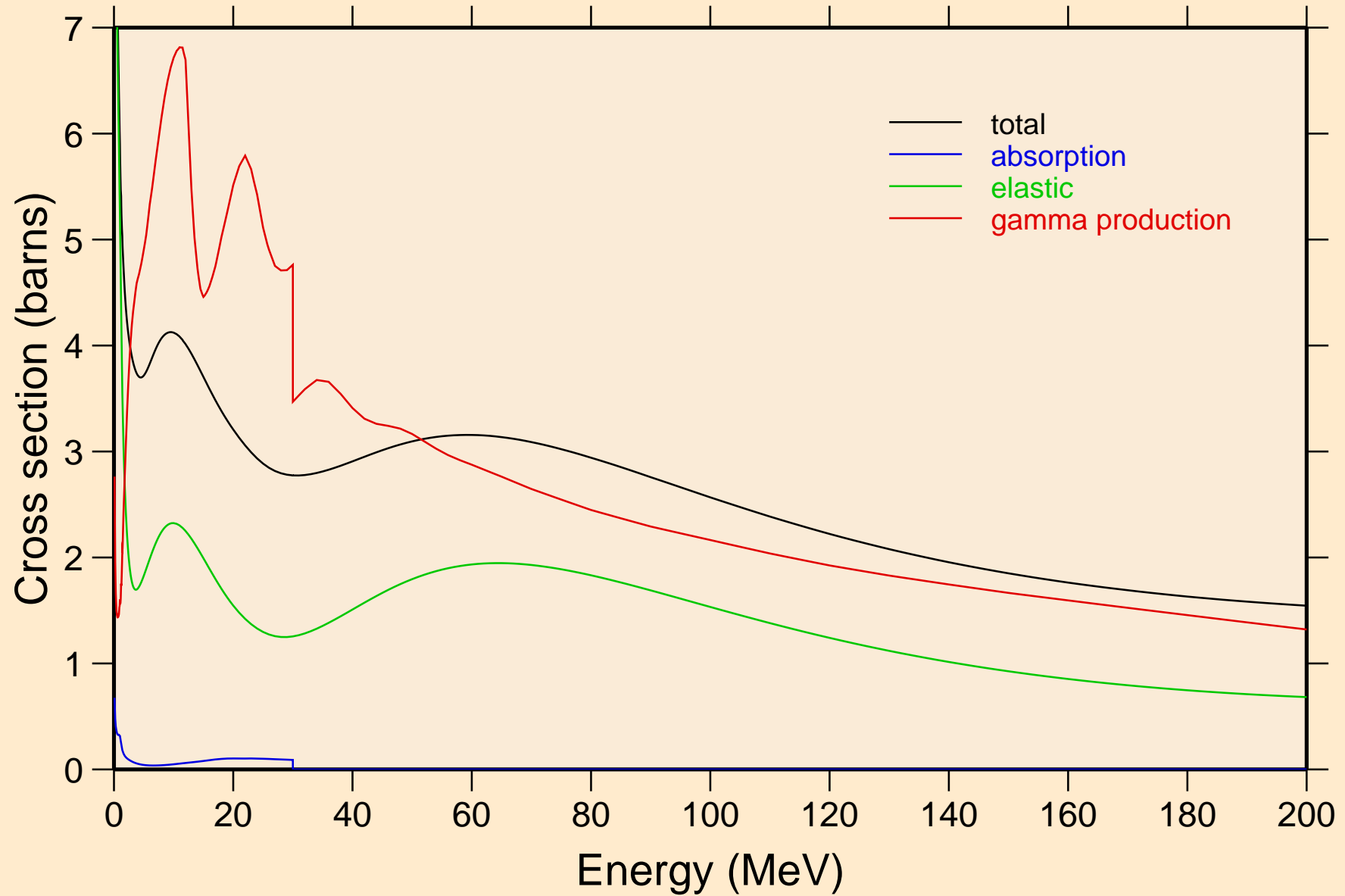


Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



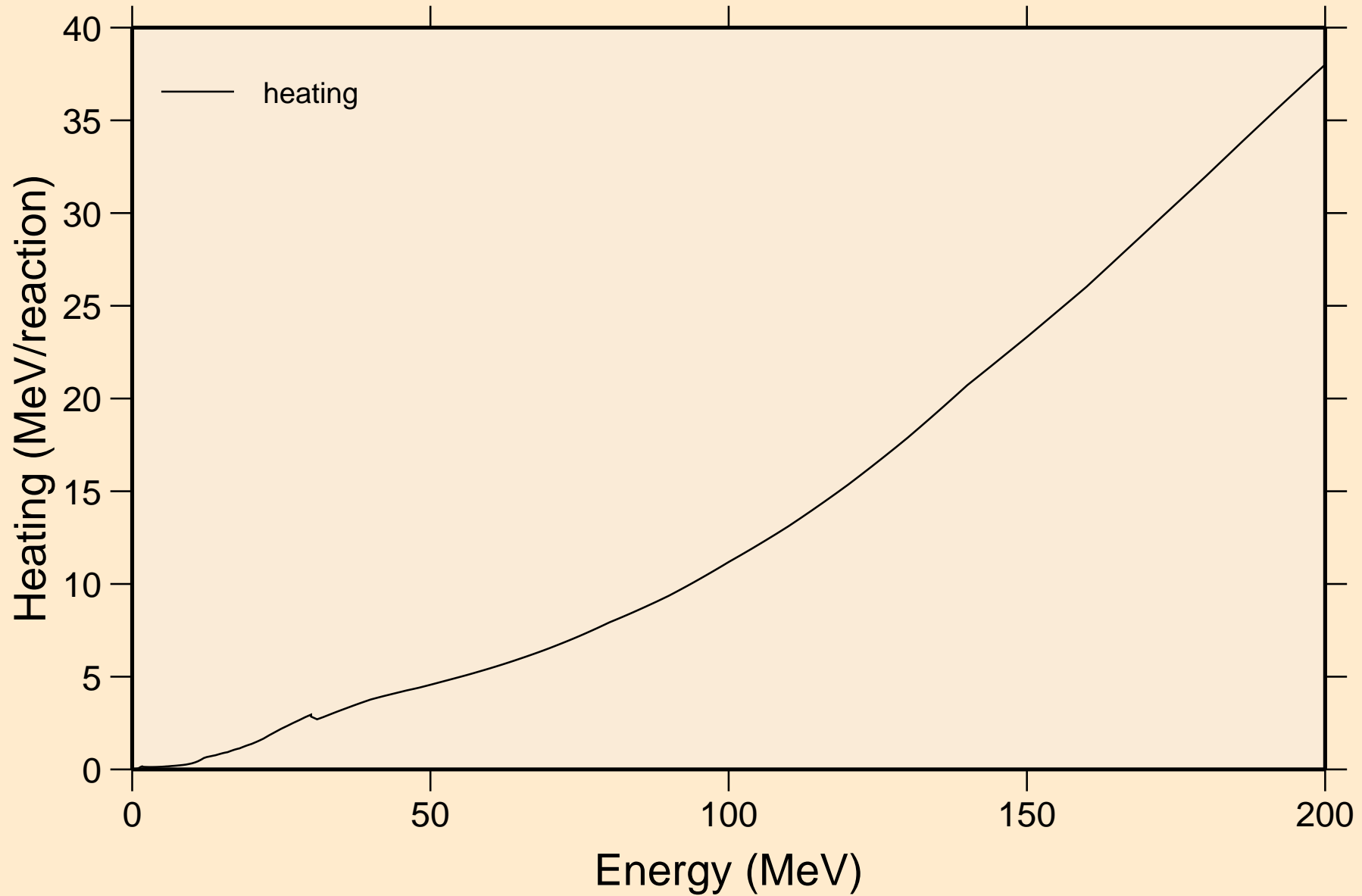
# Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



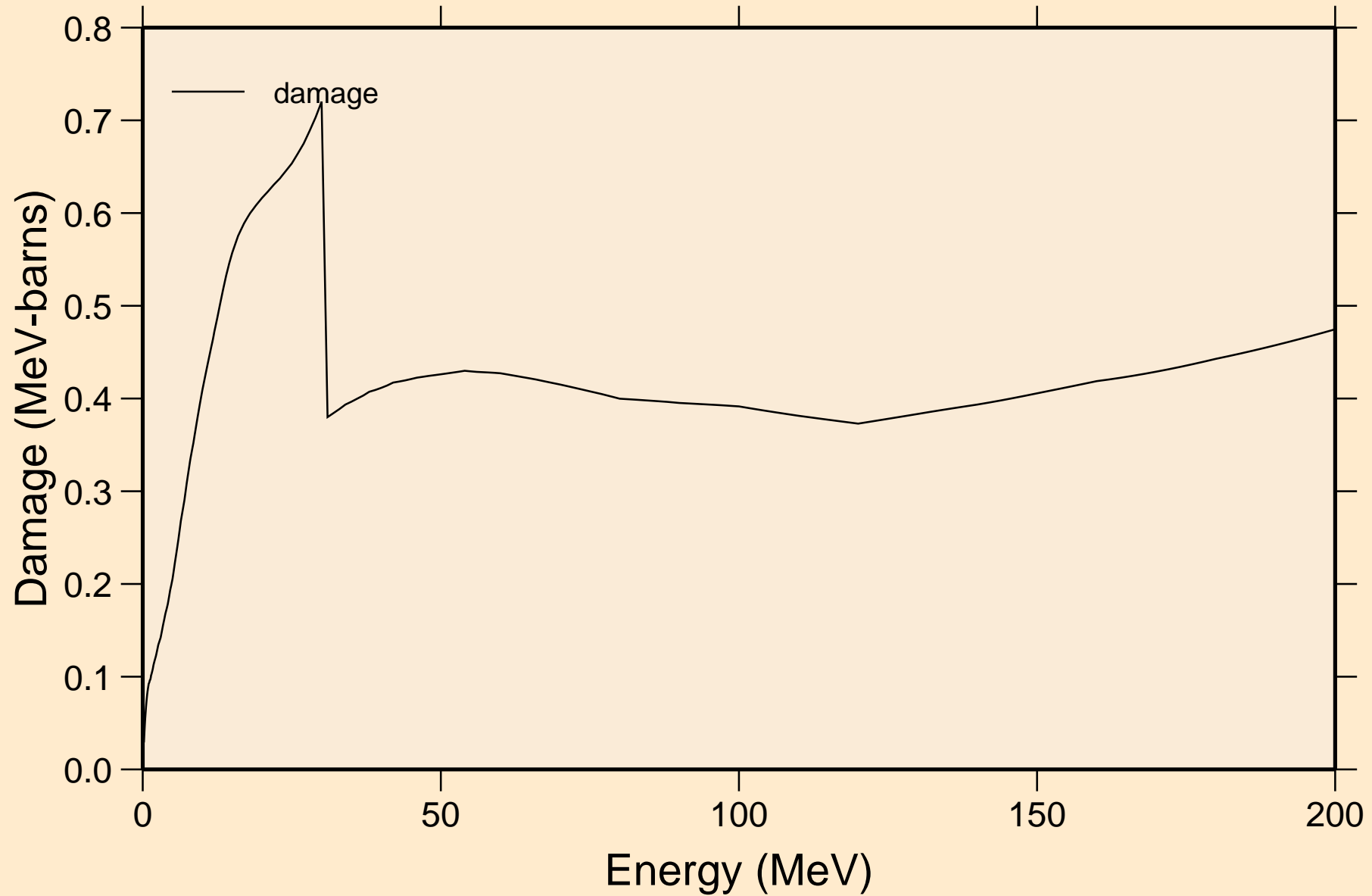
# Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

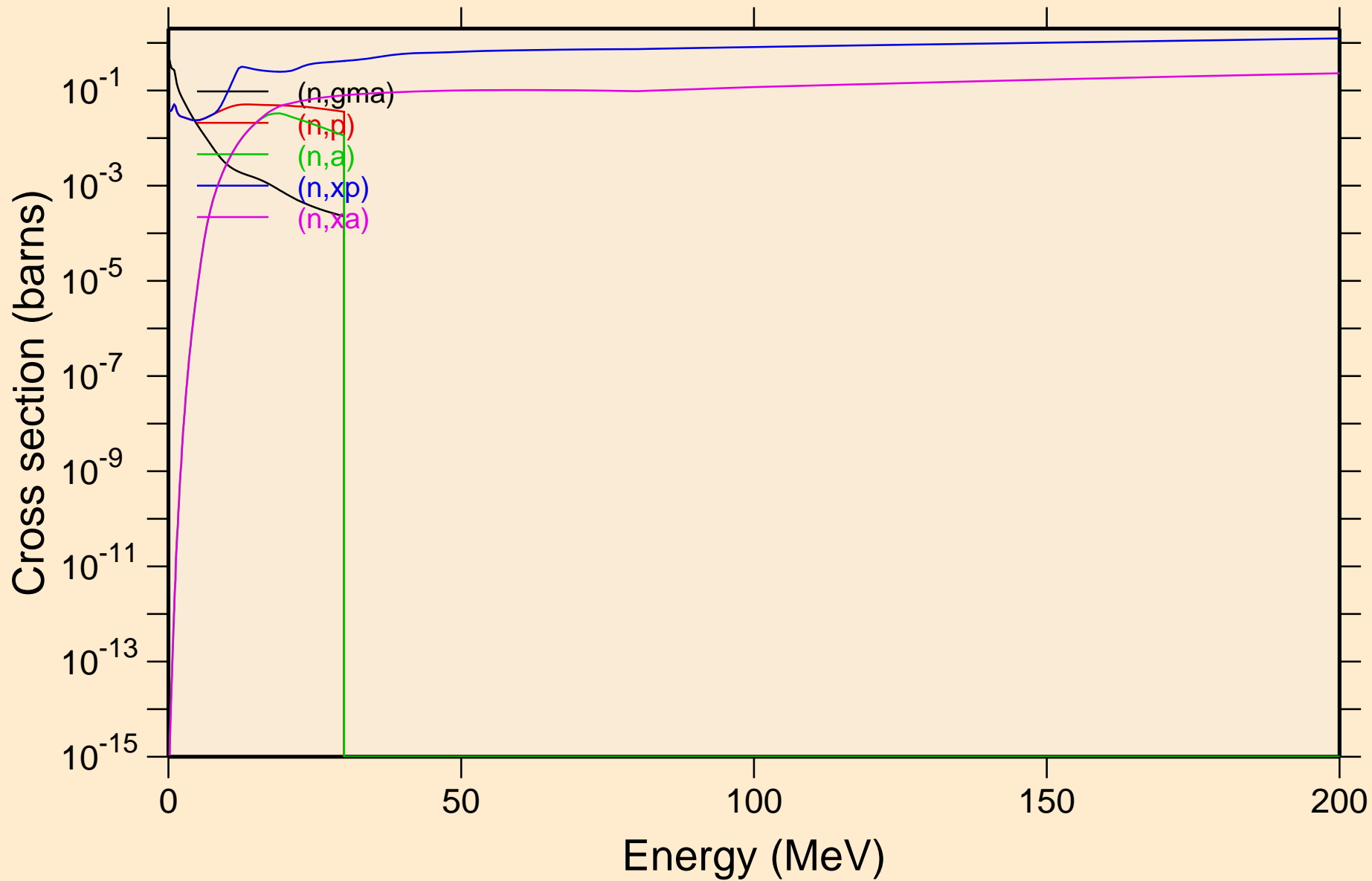


# Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

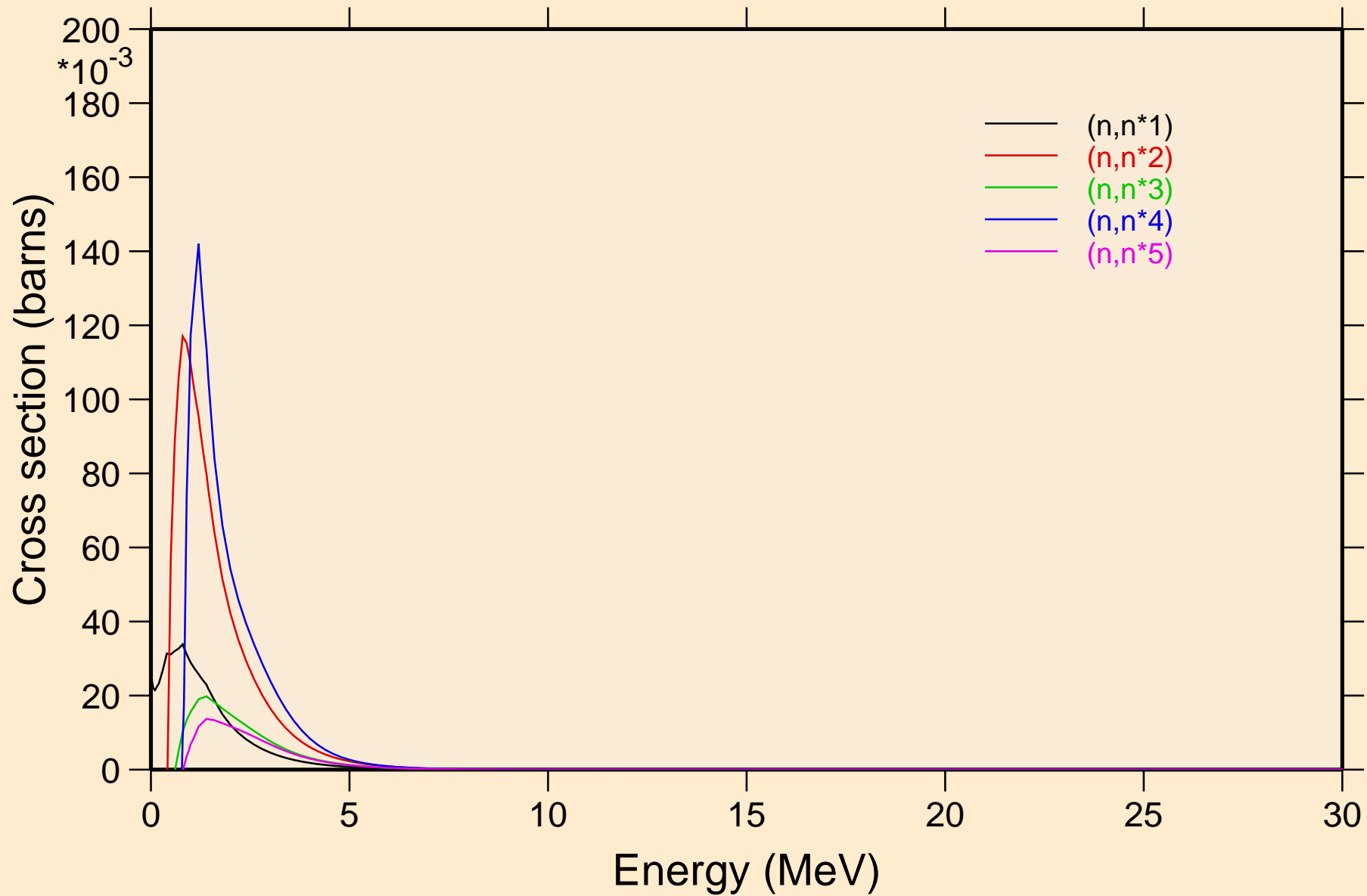
## Damage



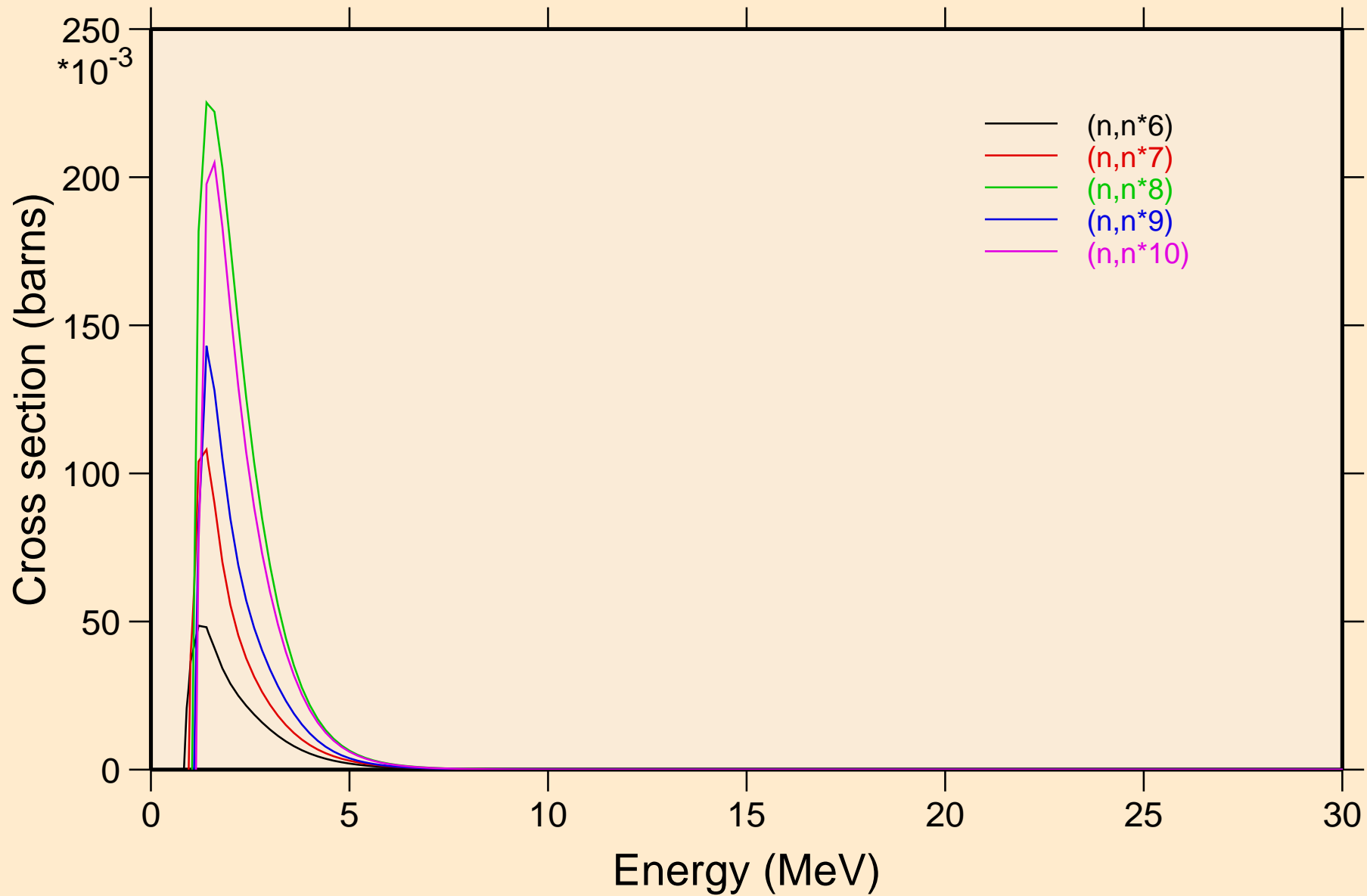
Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

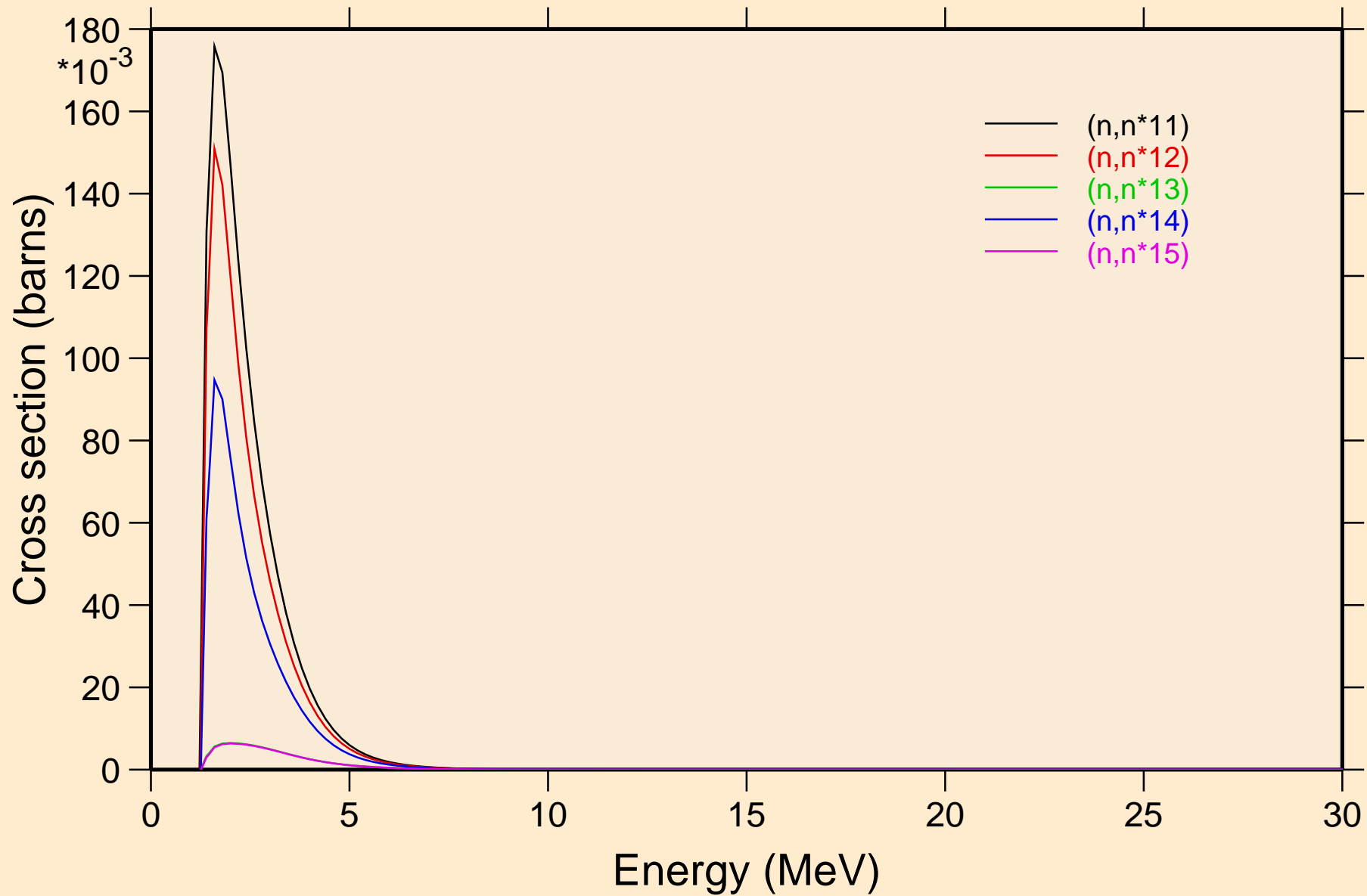


Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

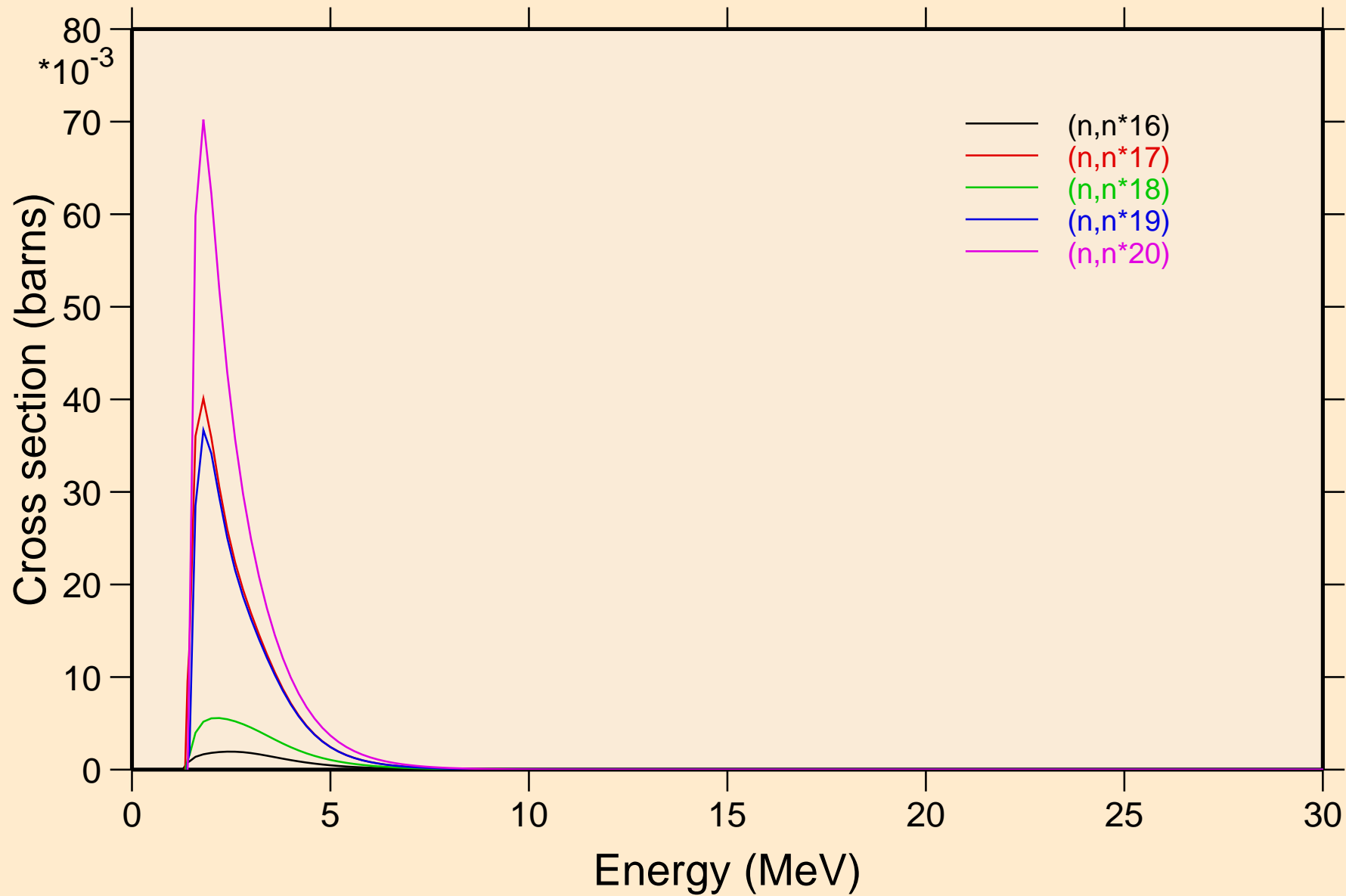




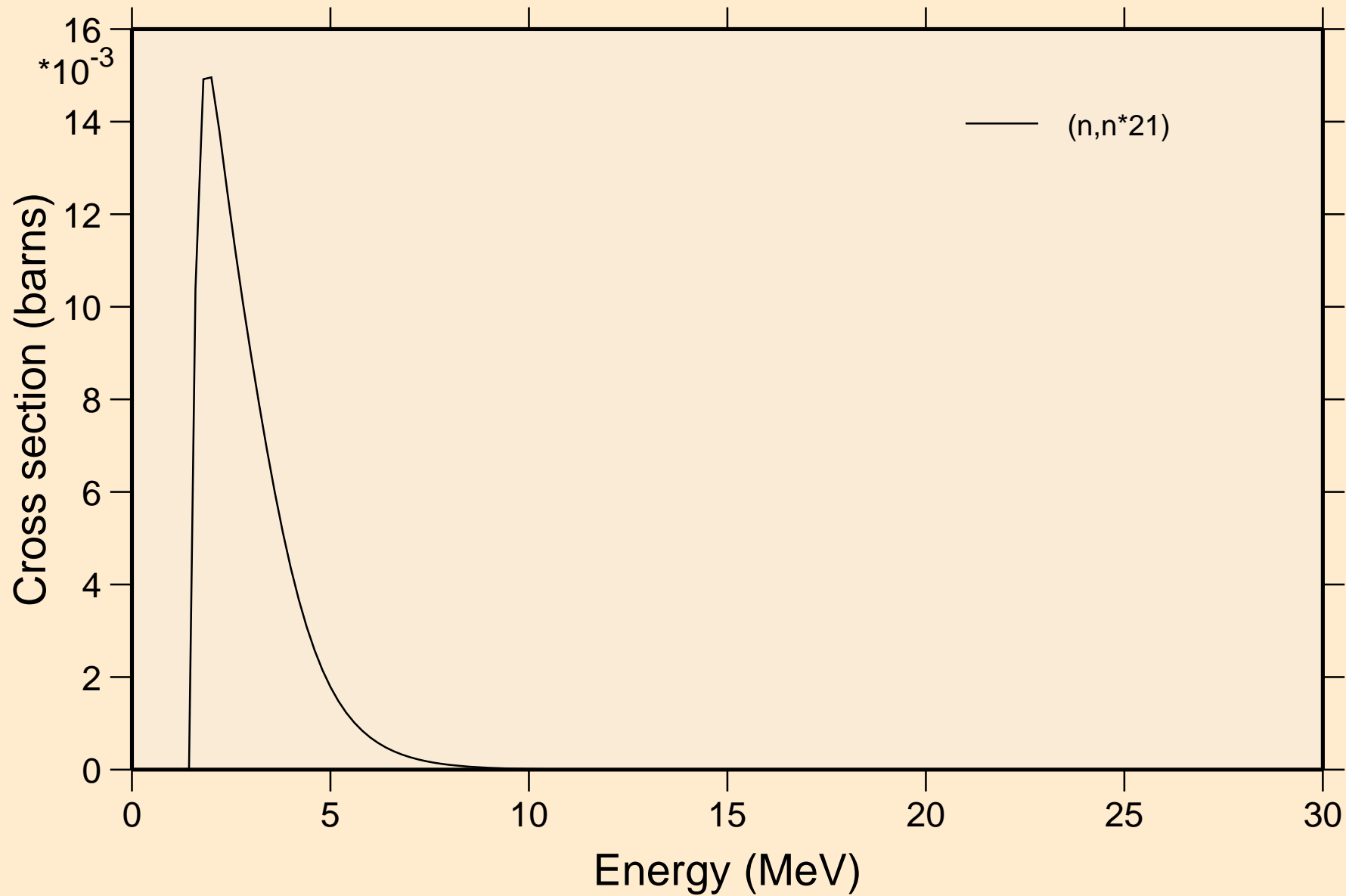
Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



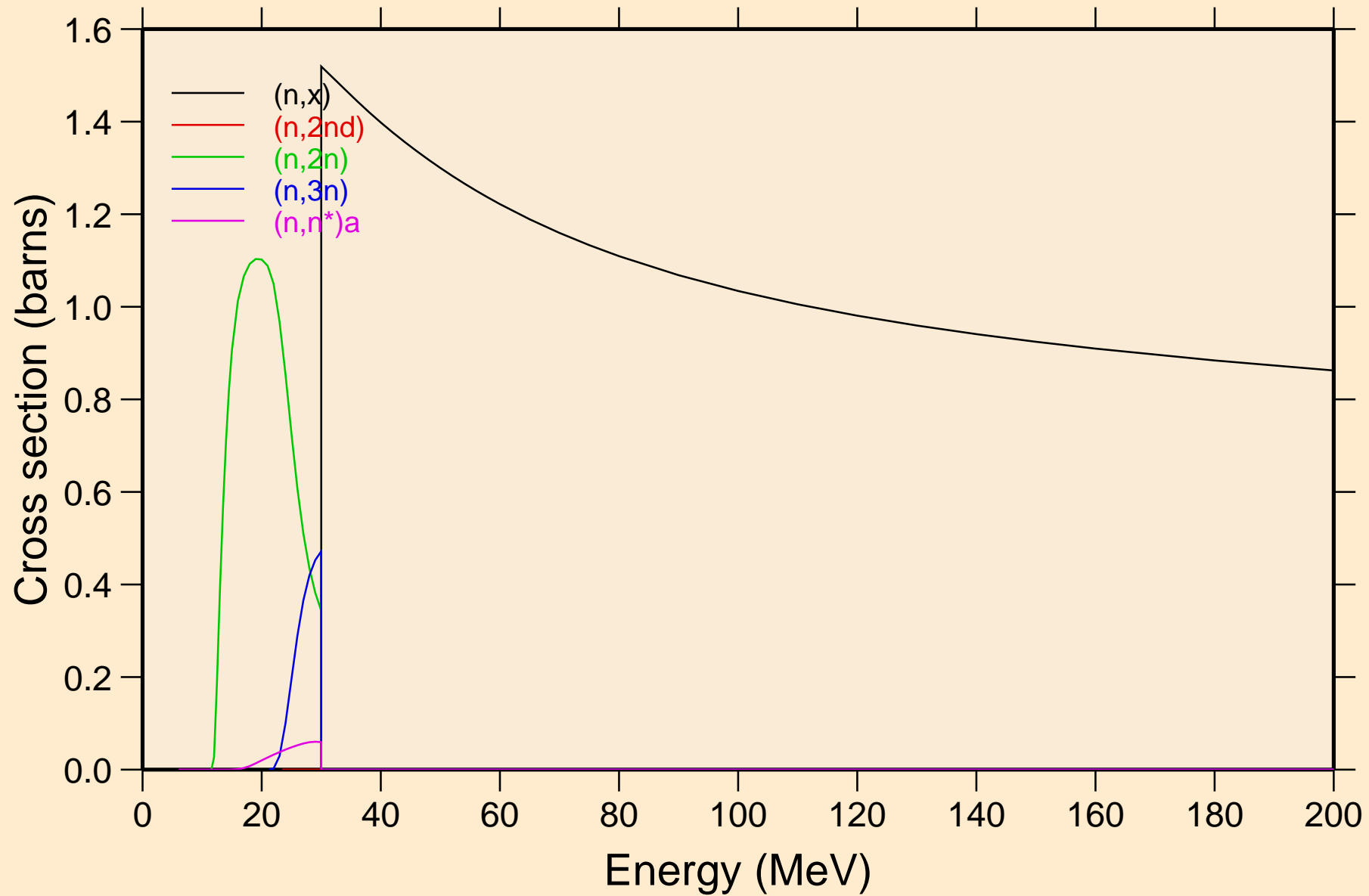
Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



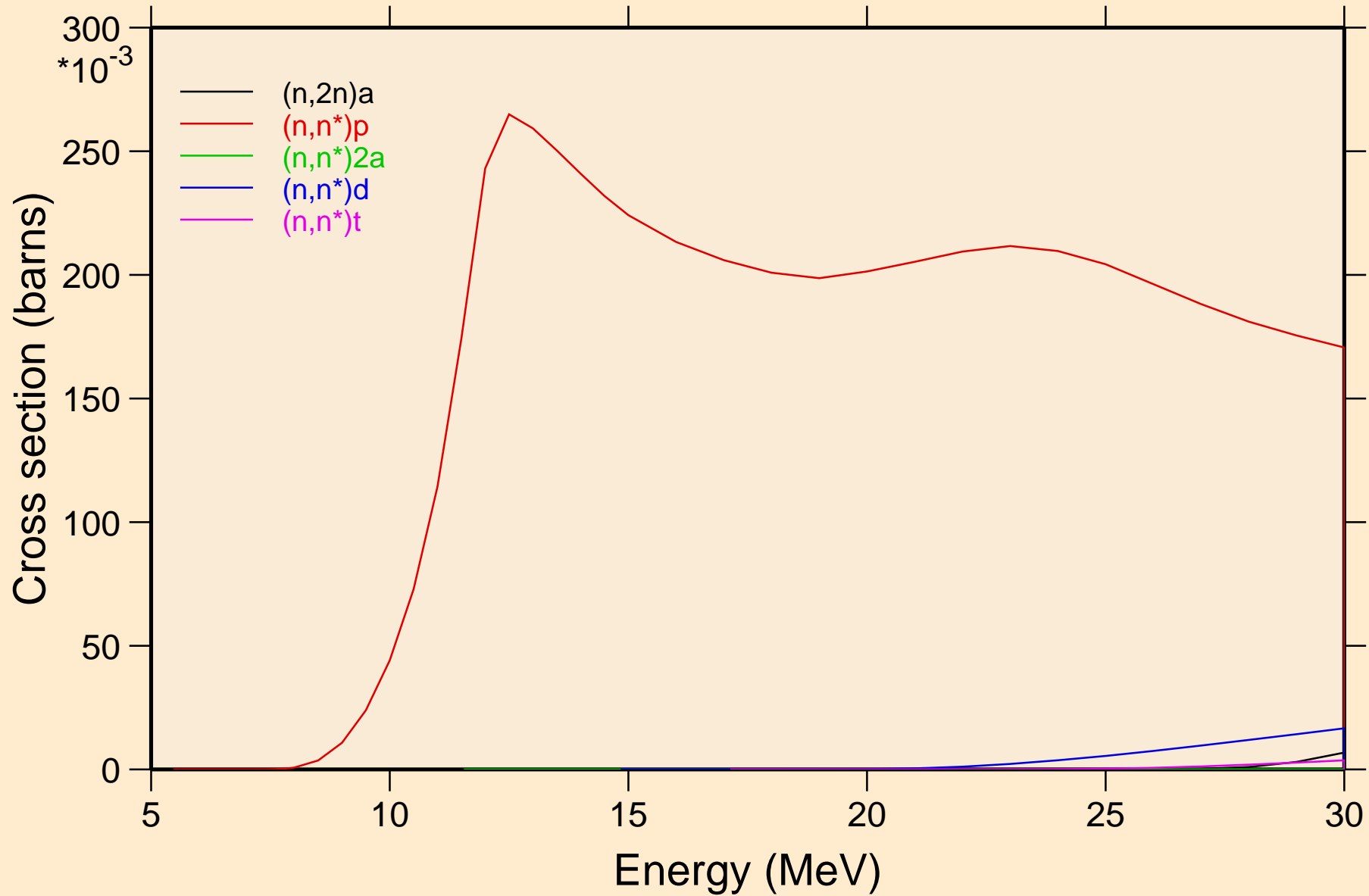
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Inelastic levels



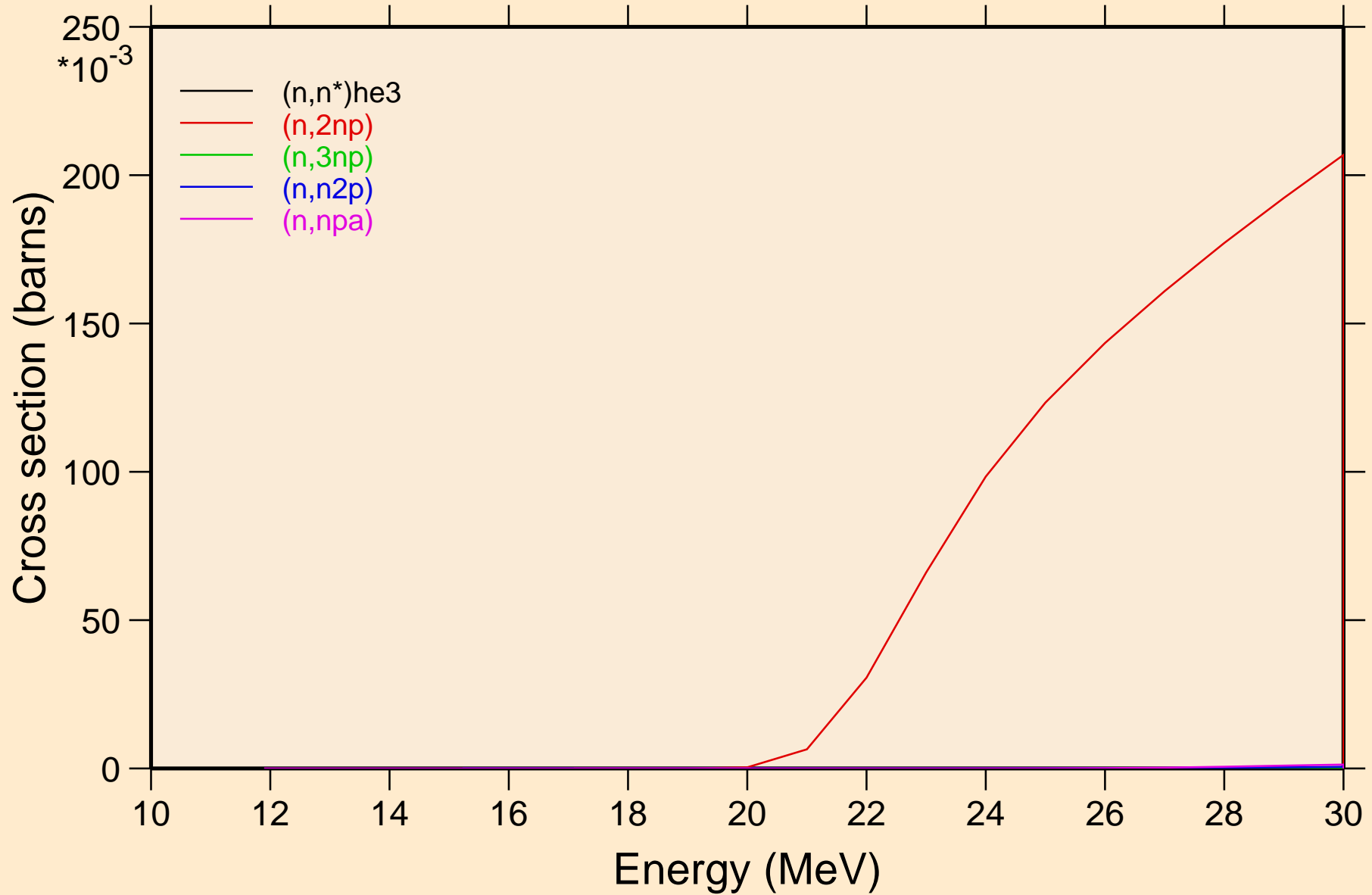
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Threshold reactions



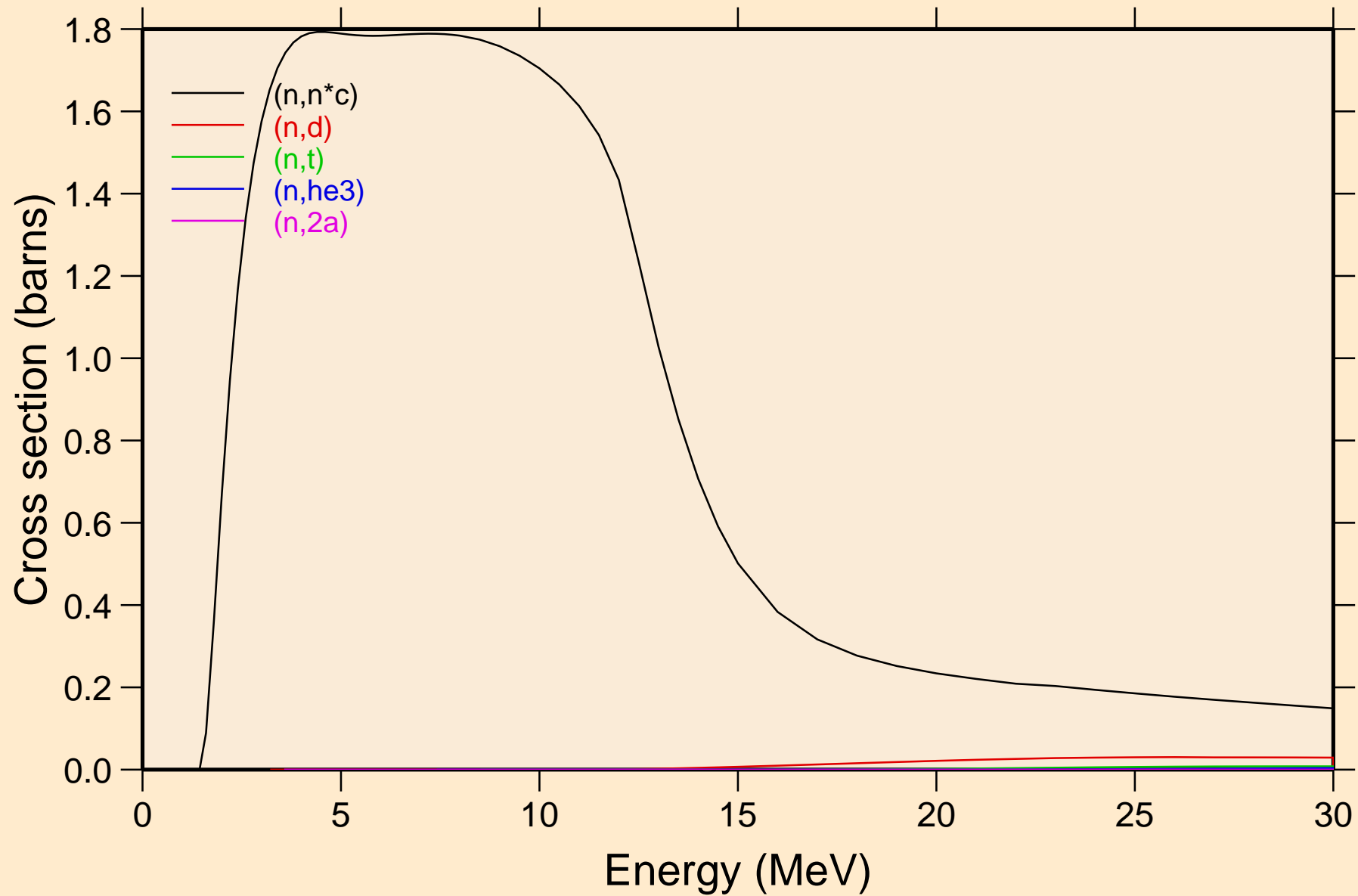
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Threshold reactions



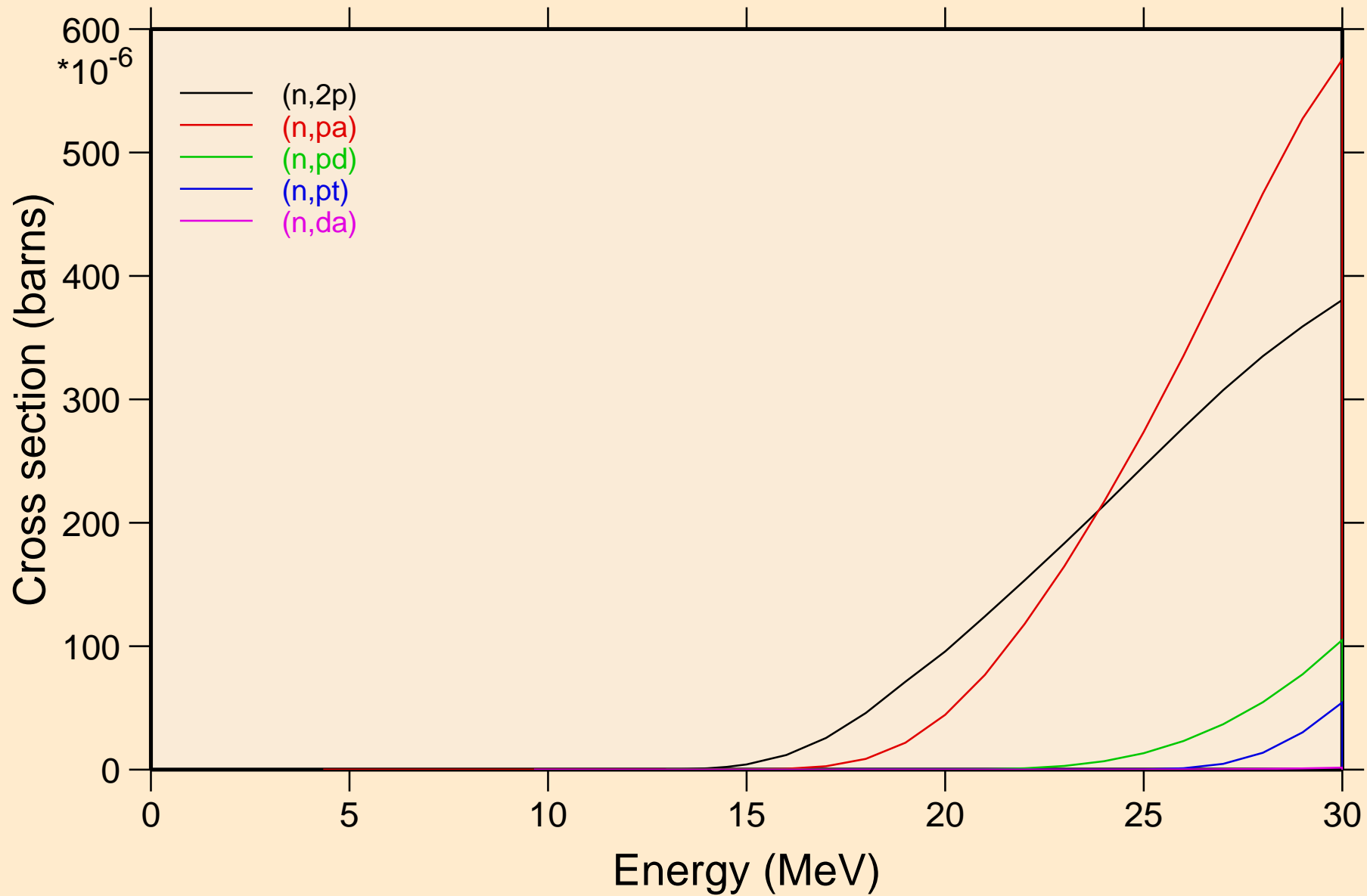
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Threshold reactions



Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

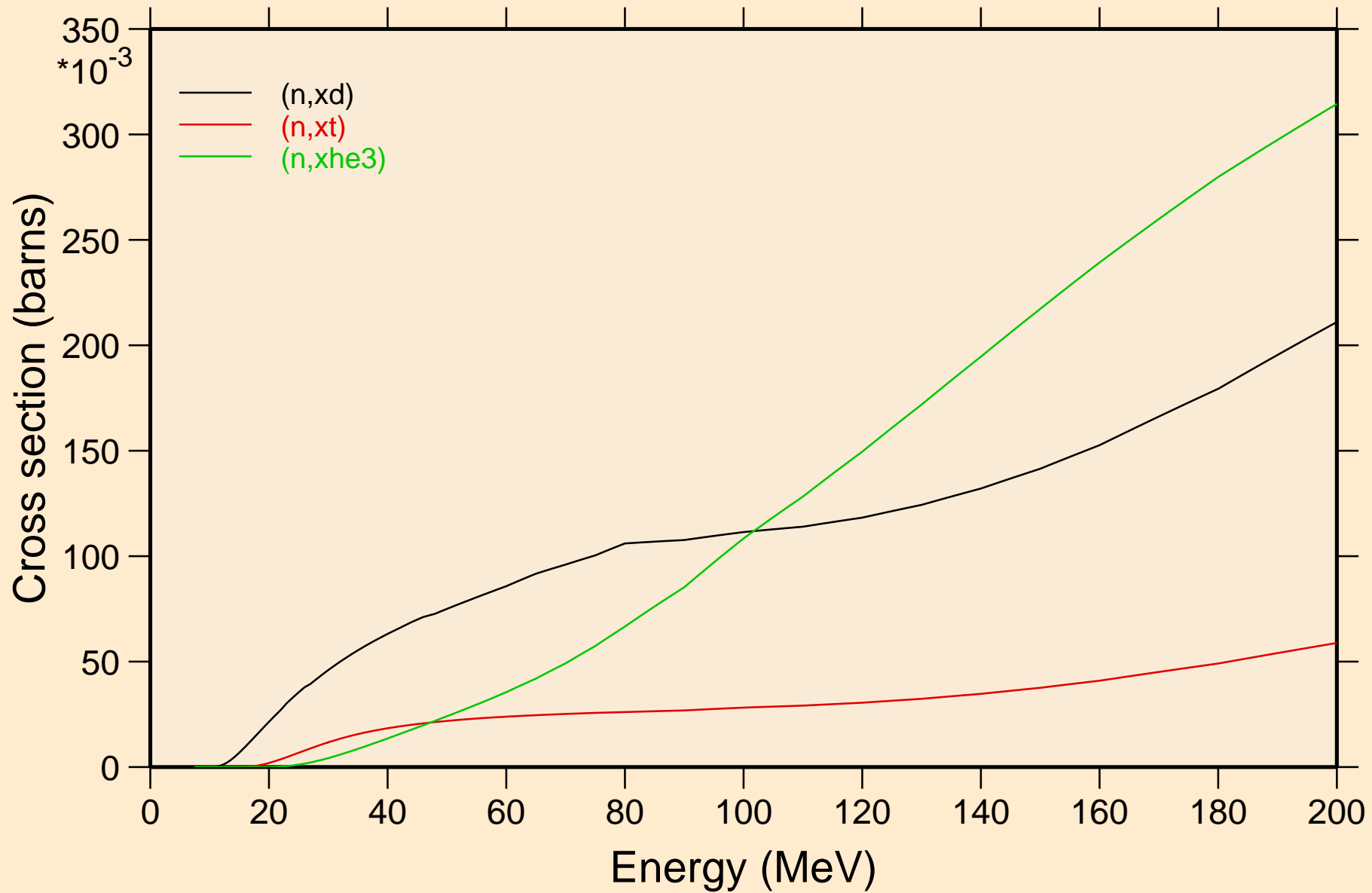


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Threshold reactions

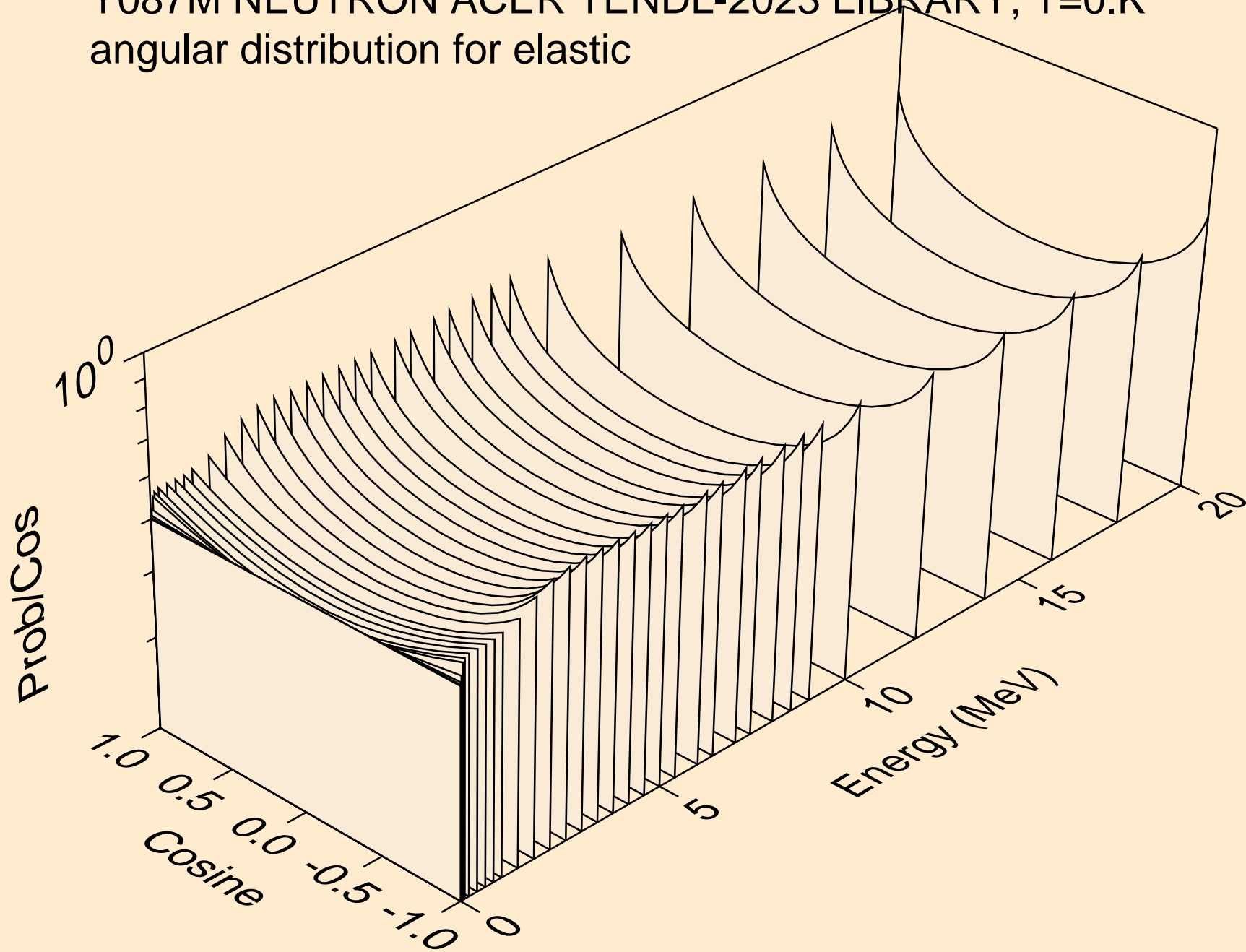




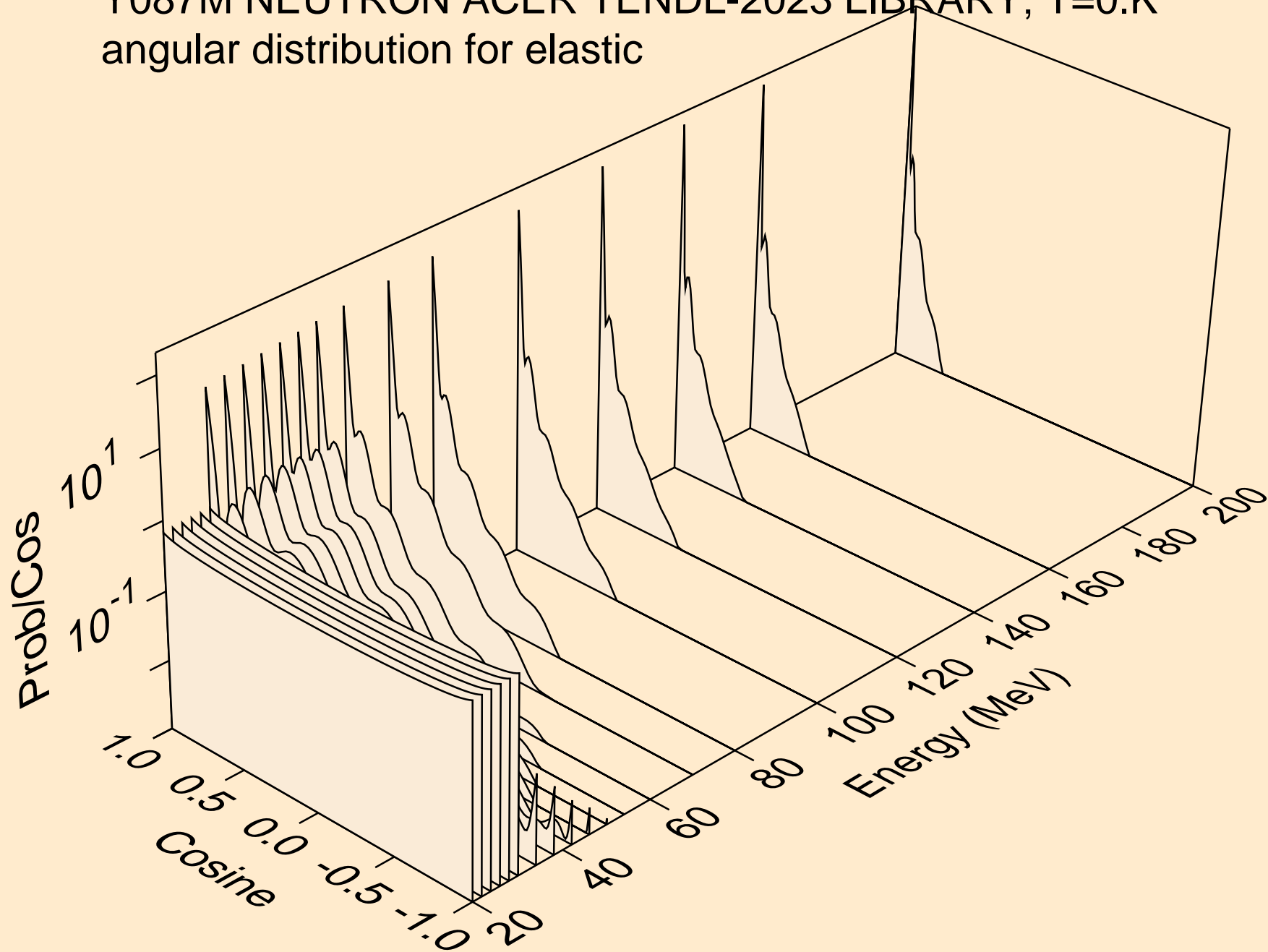
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Threshold reactions



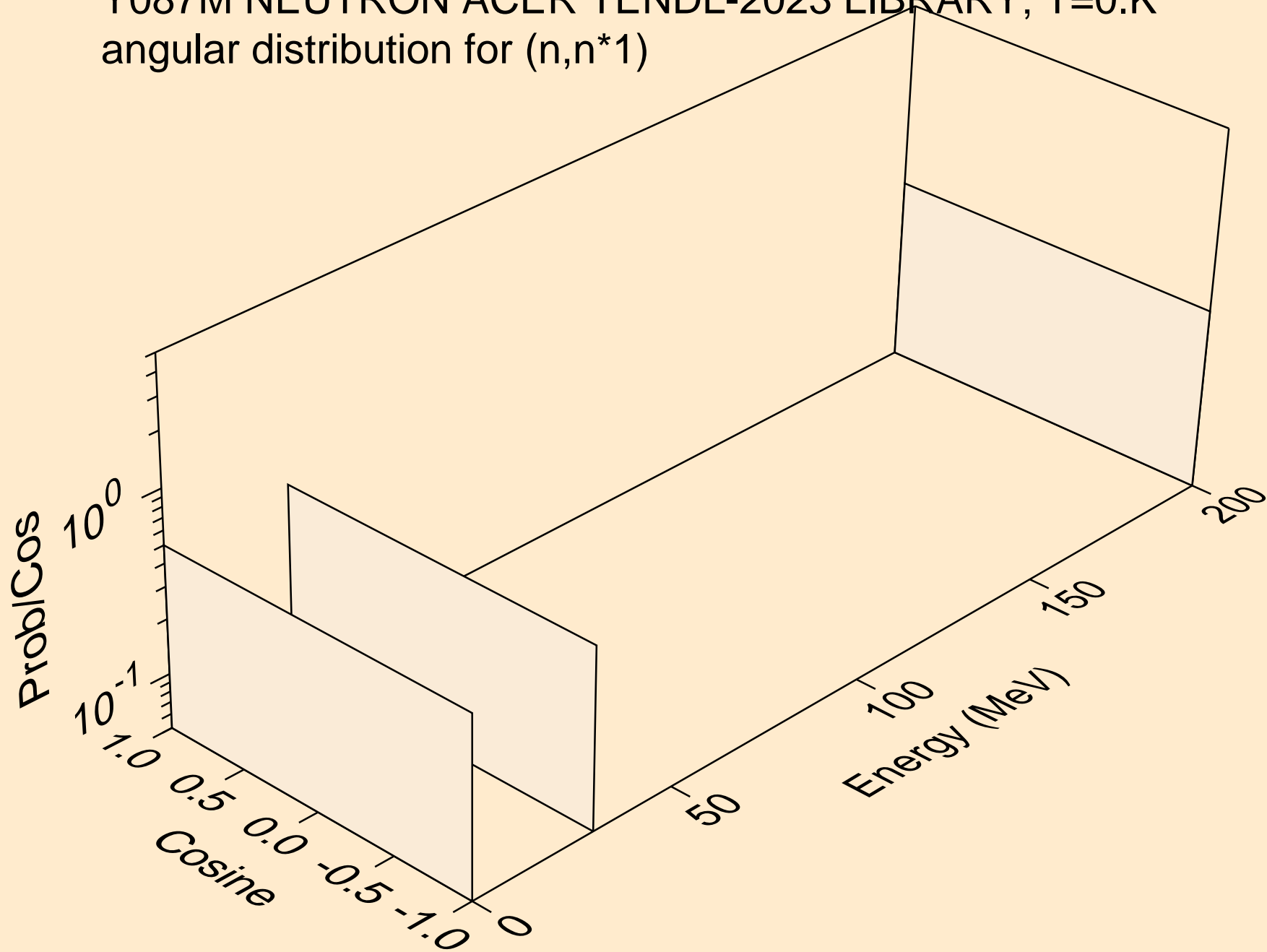
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angular distribution for elastic



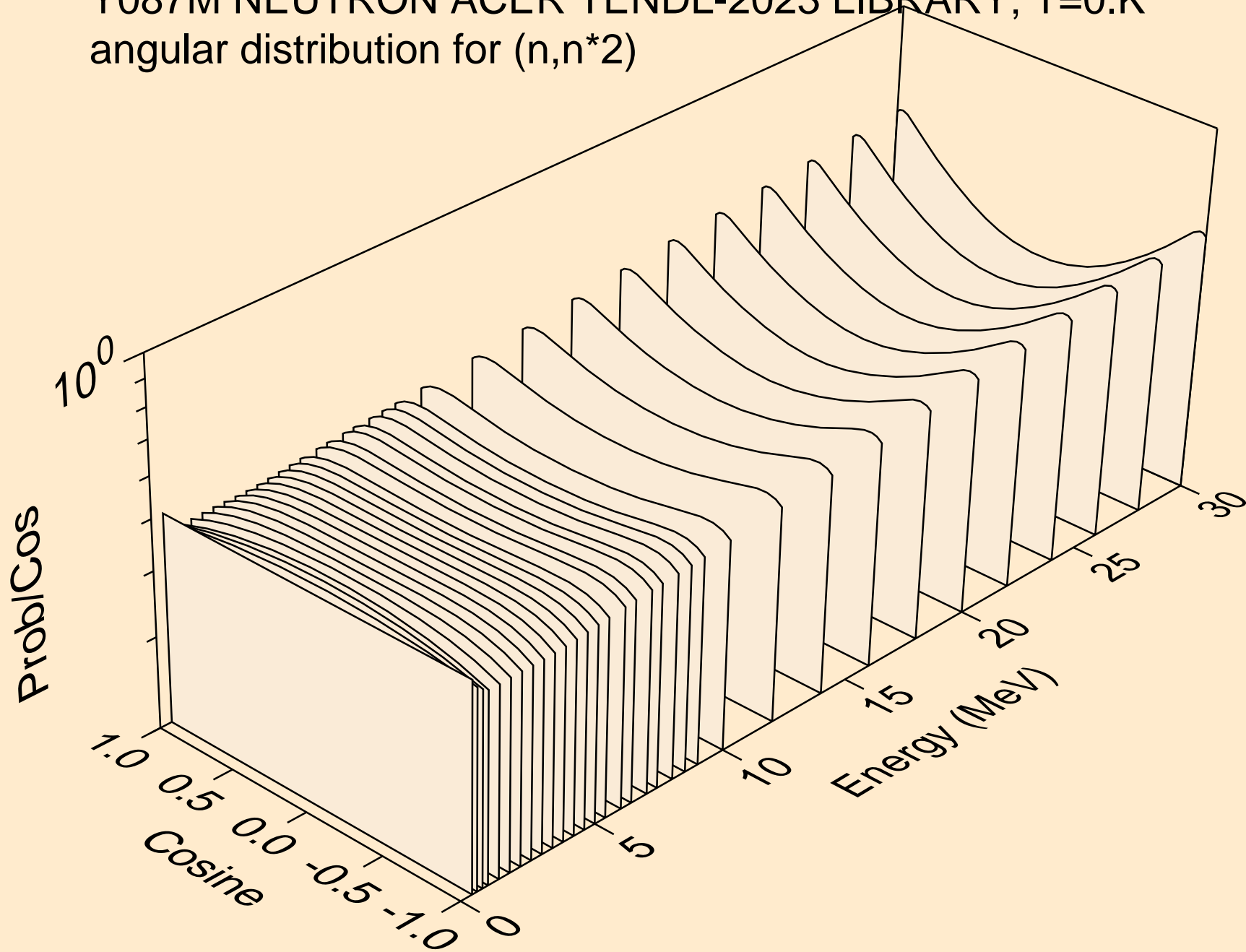
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angular distribution for elastic



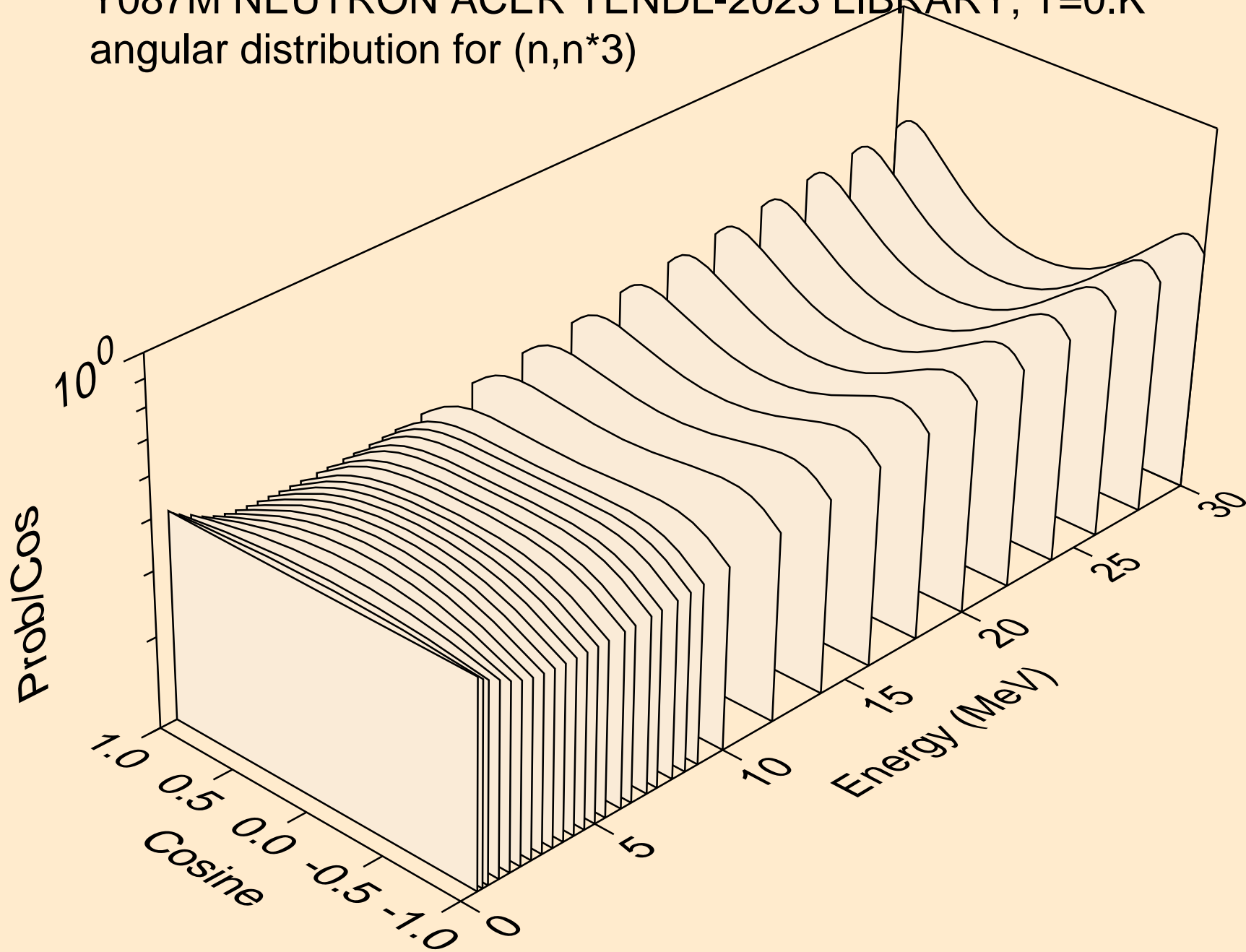
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angular distribution for (n,n\*1)



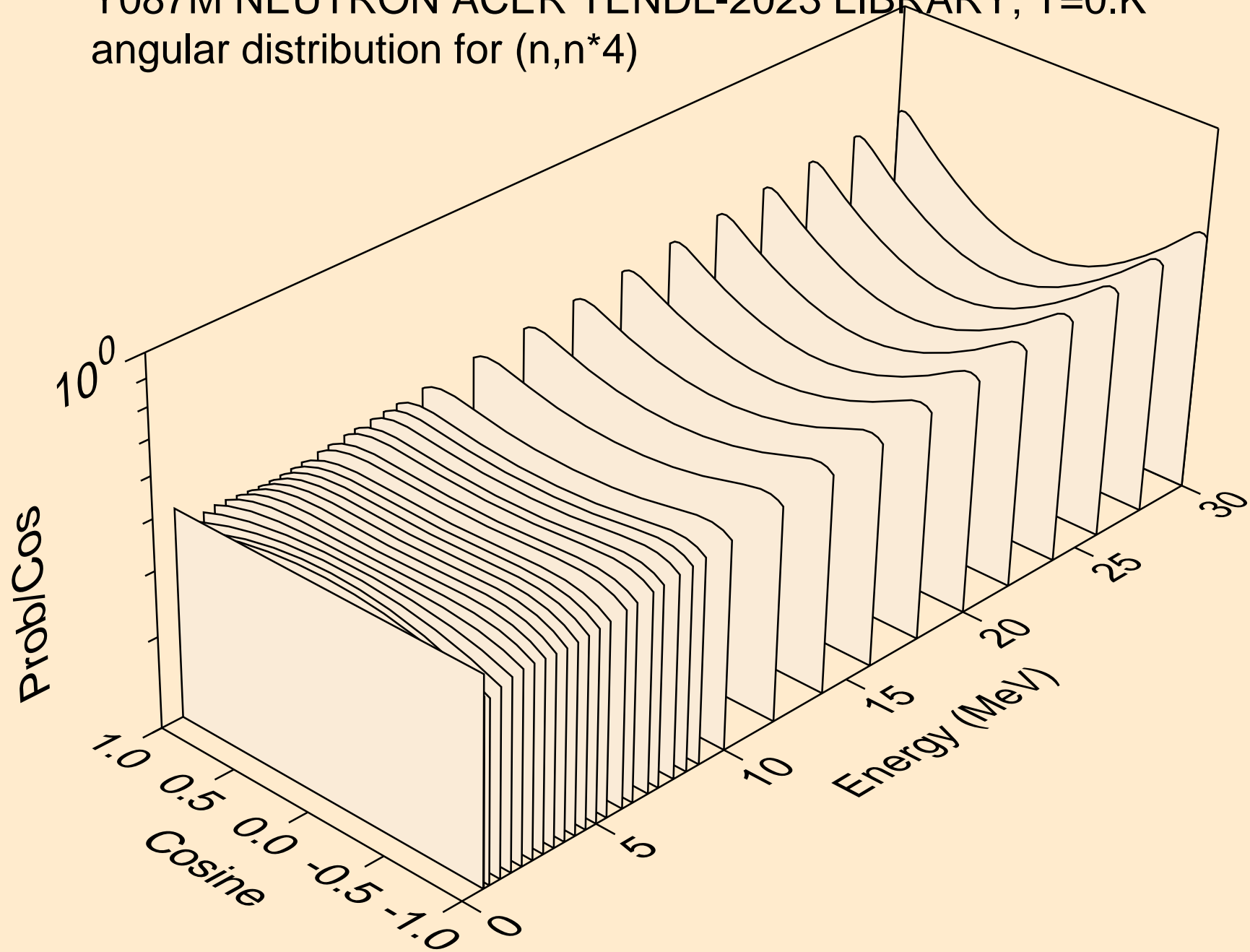
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angular distribution for (n,n\*2)



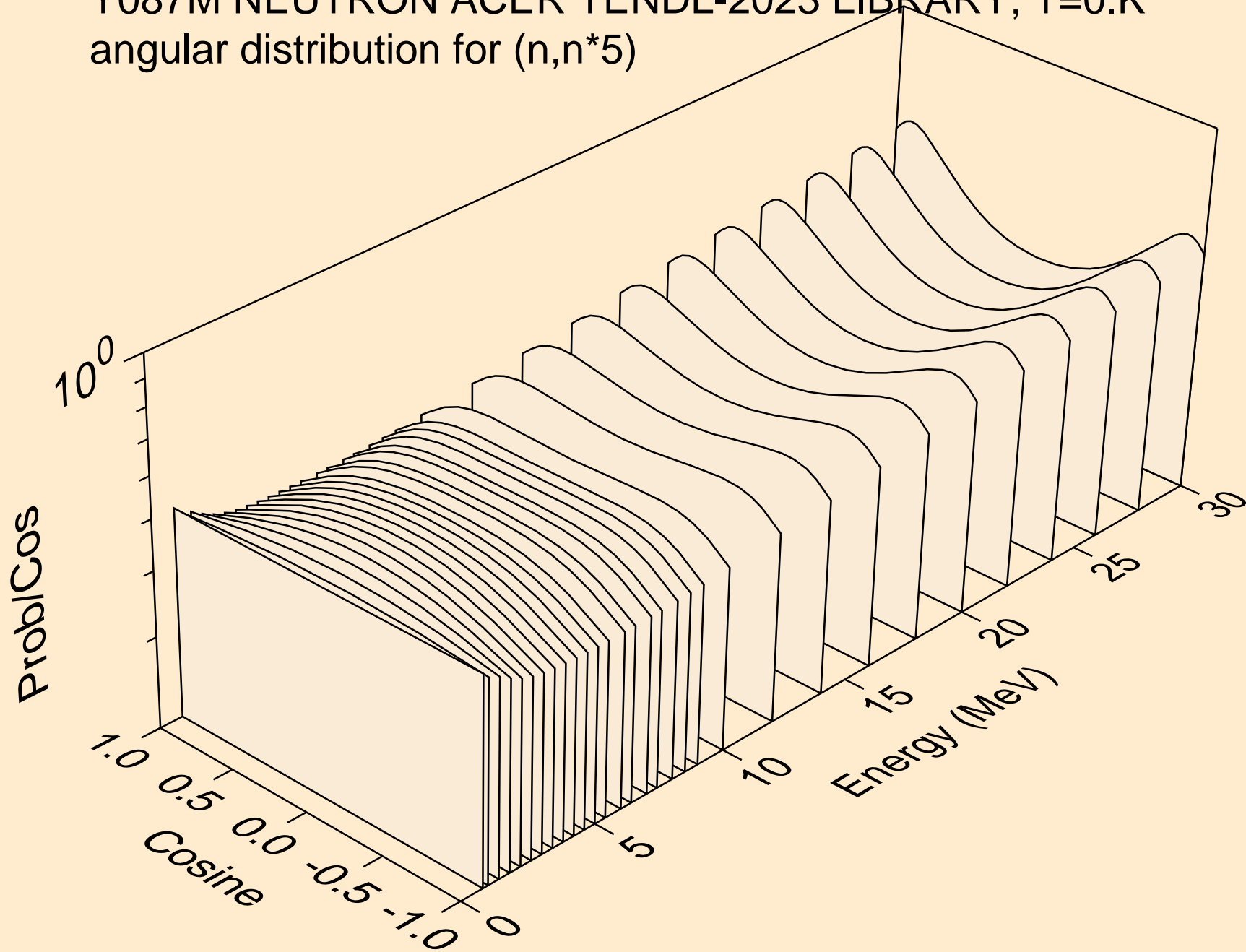
Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)

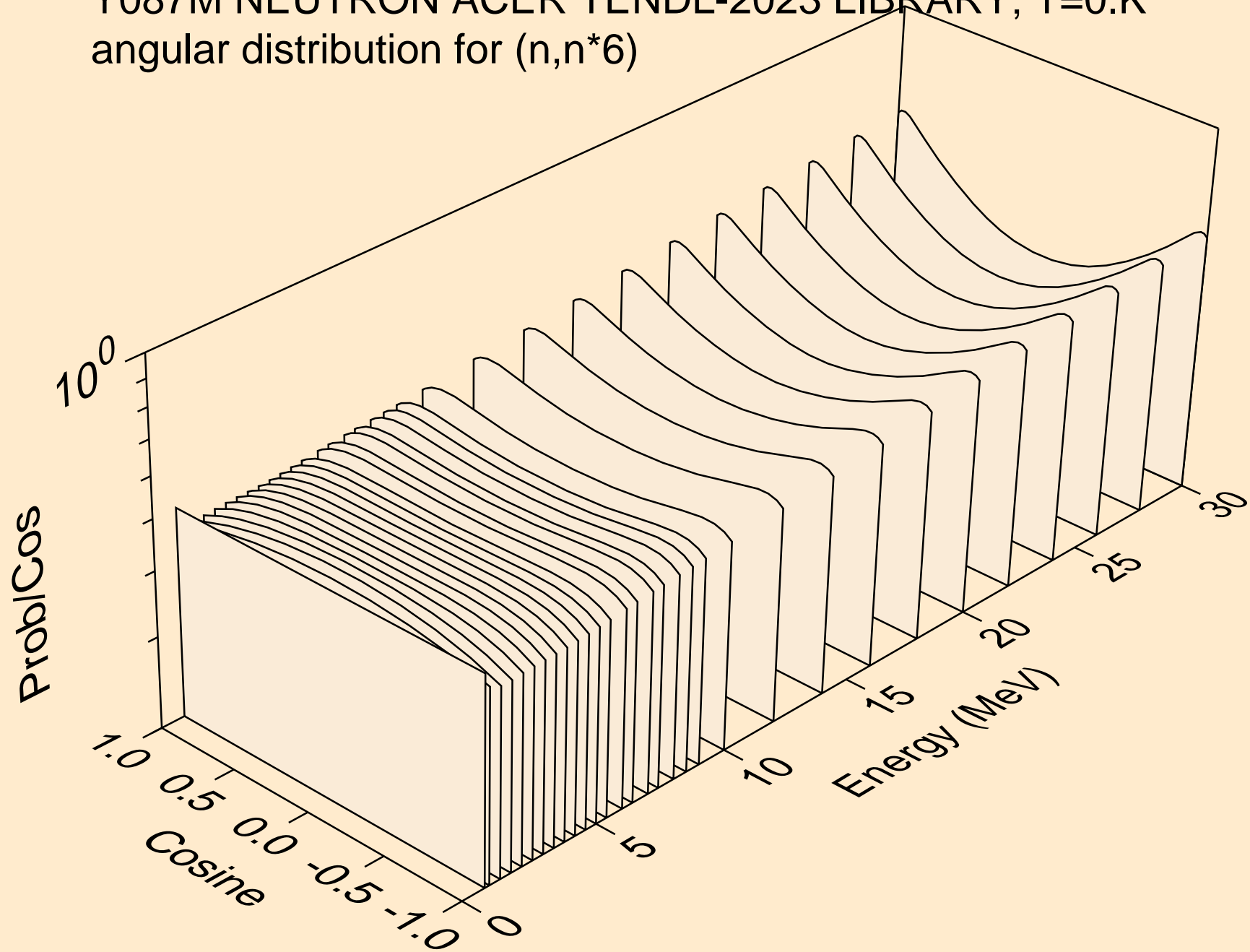


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angular distribution for (n,n\*5)

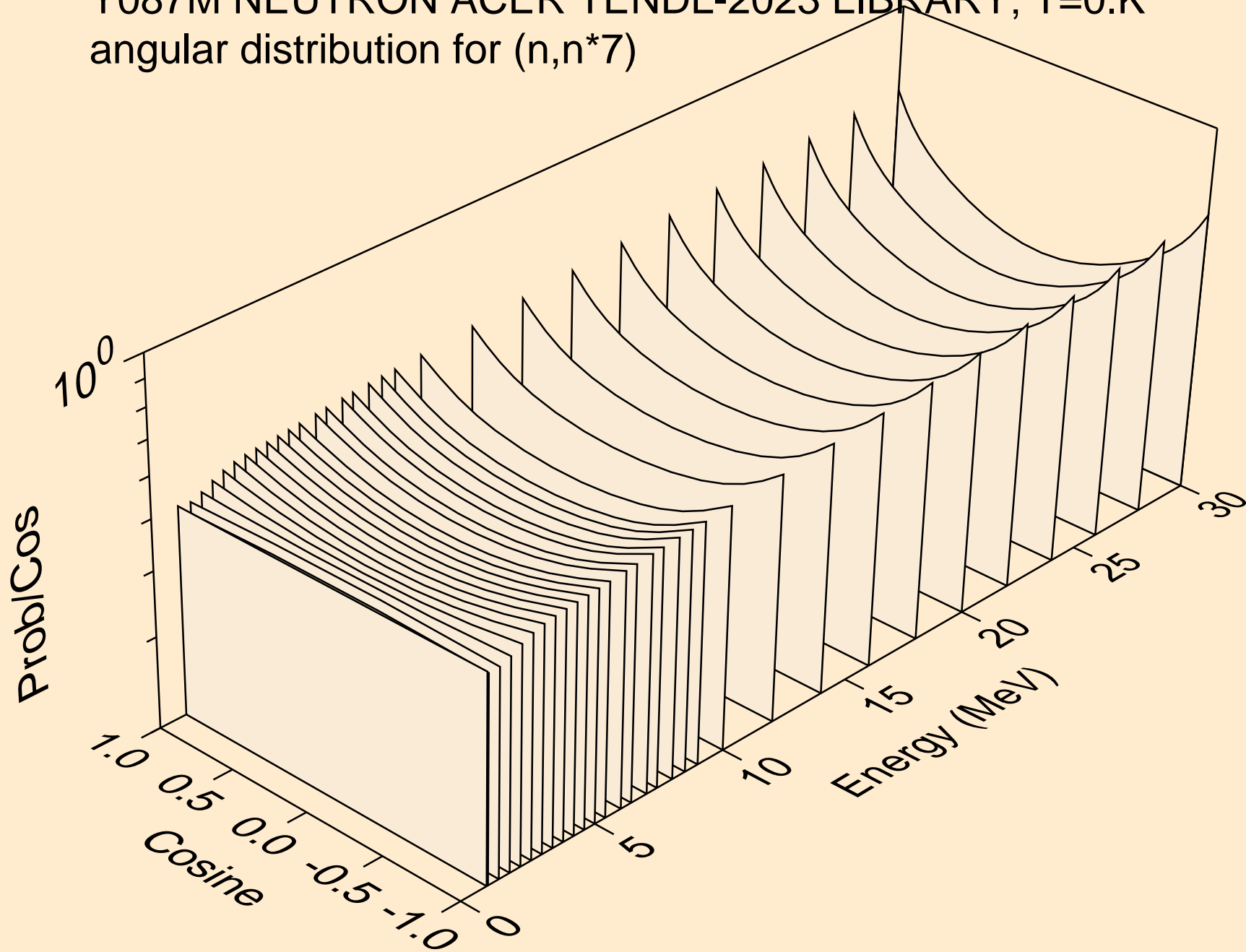




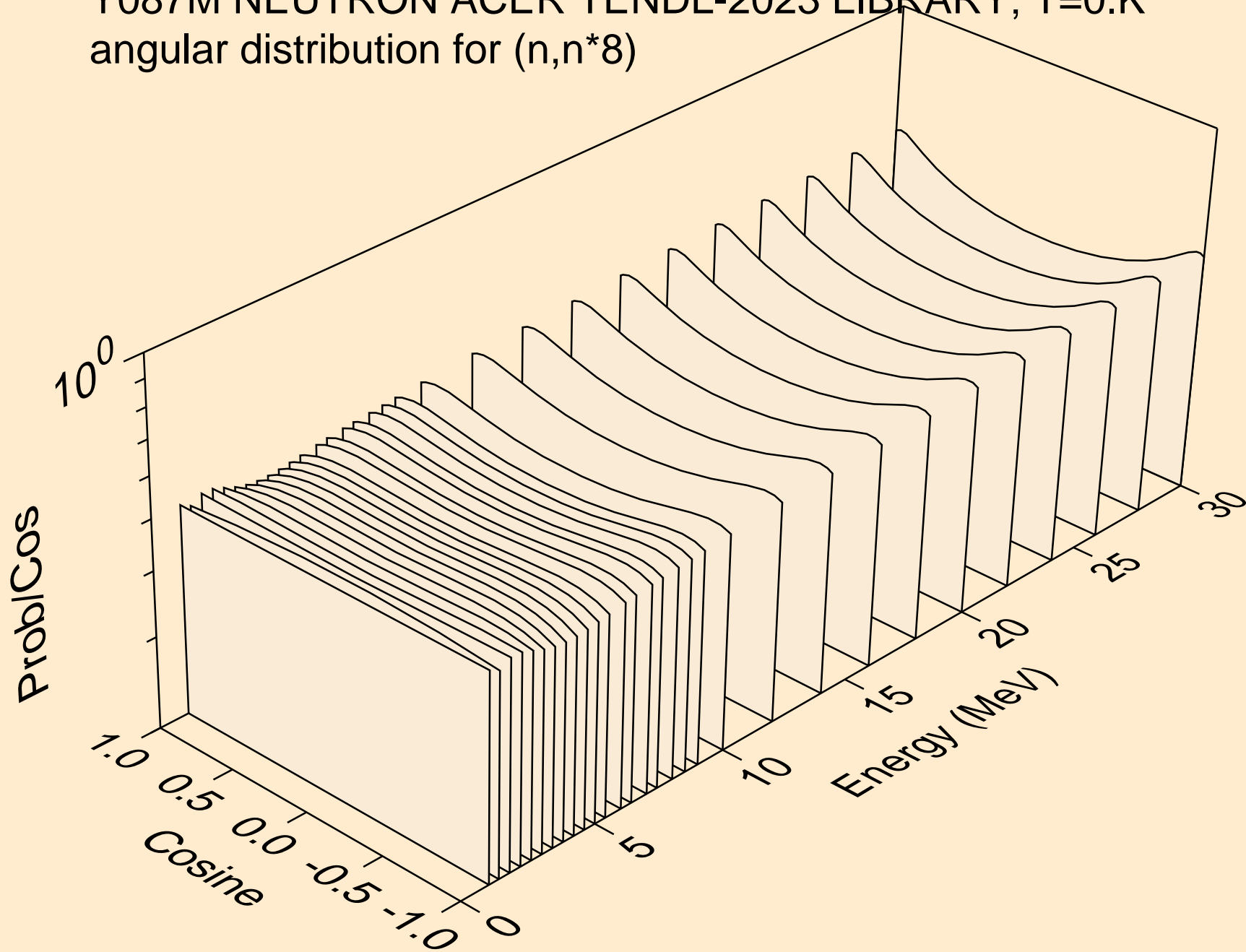
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angular distribution for (n,n\*6)



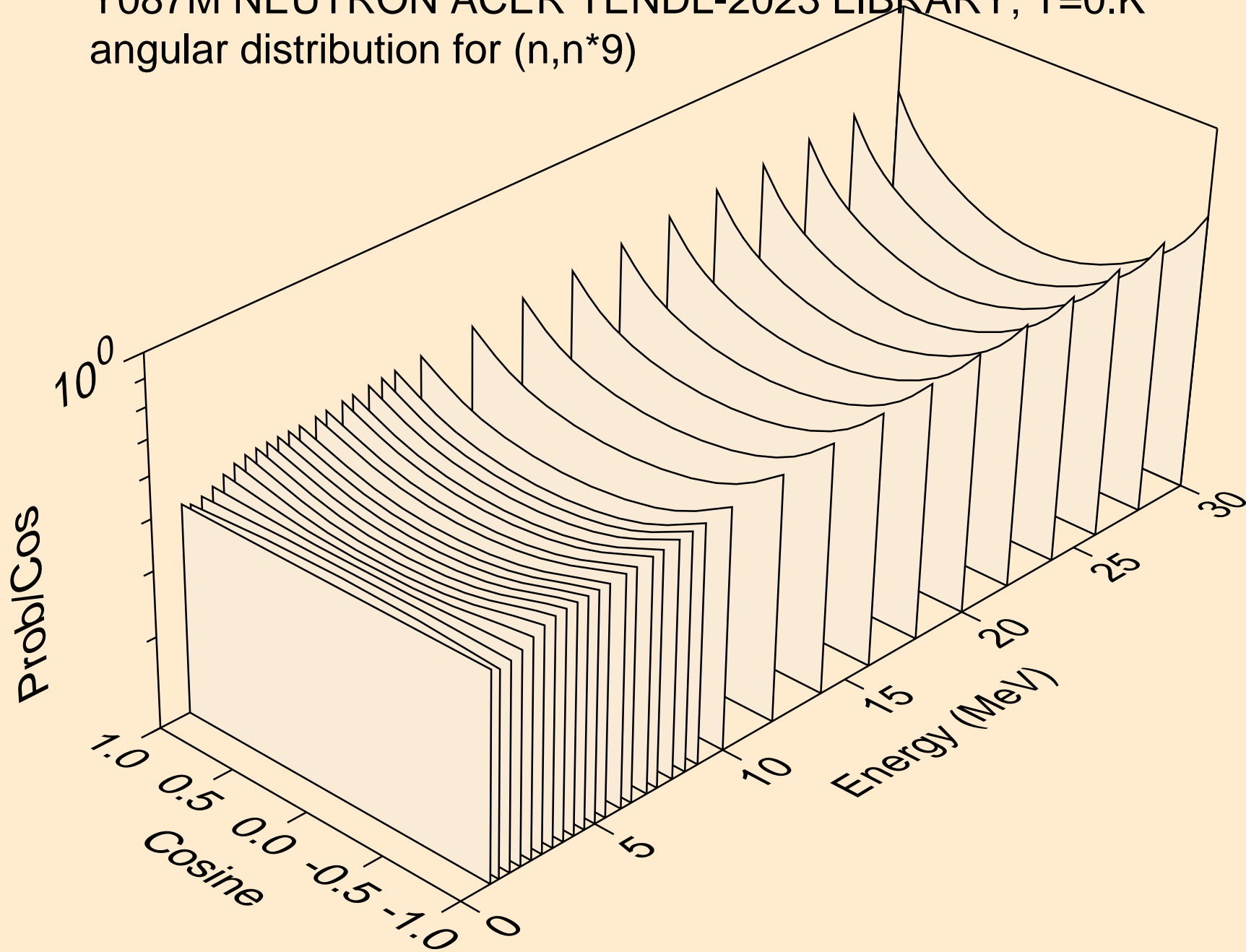
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angular distribution for (n,n\*7)



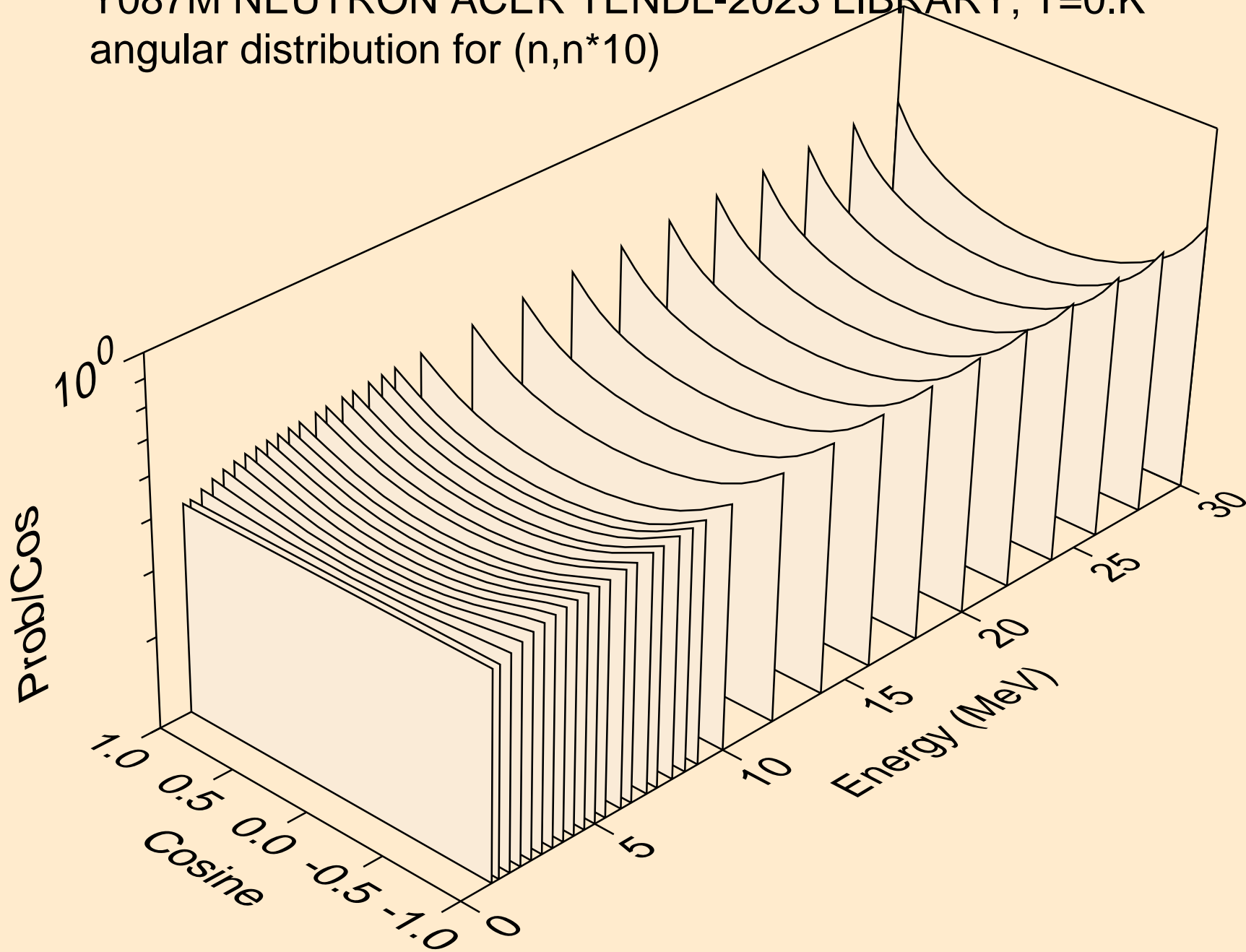
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angular distribution for (n,n\*8)



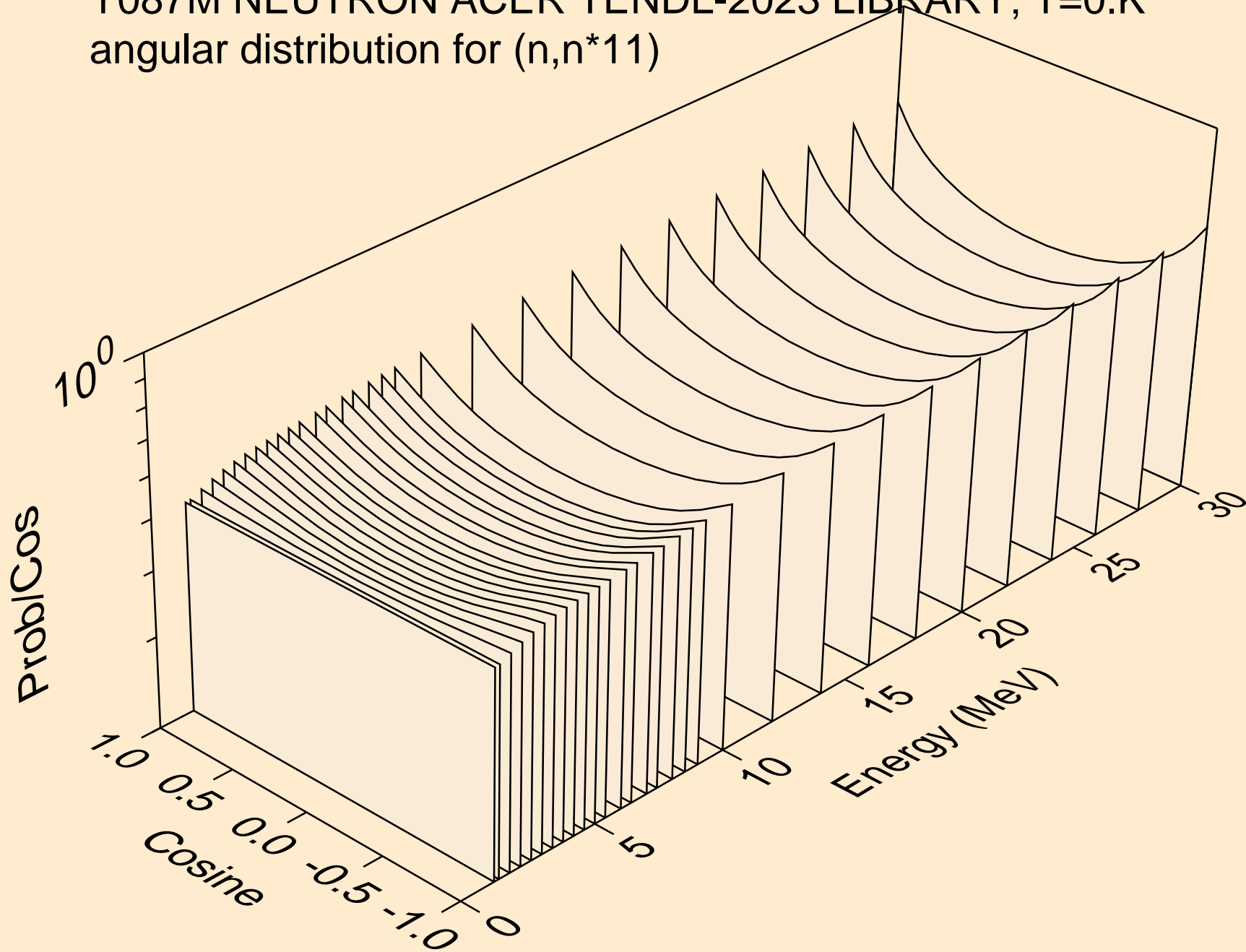
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angular distribution for (n,n\*9)



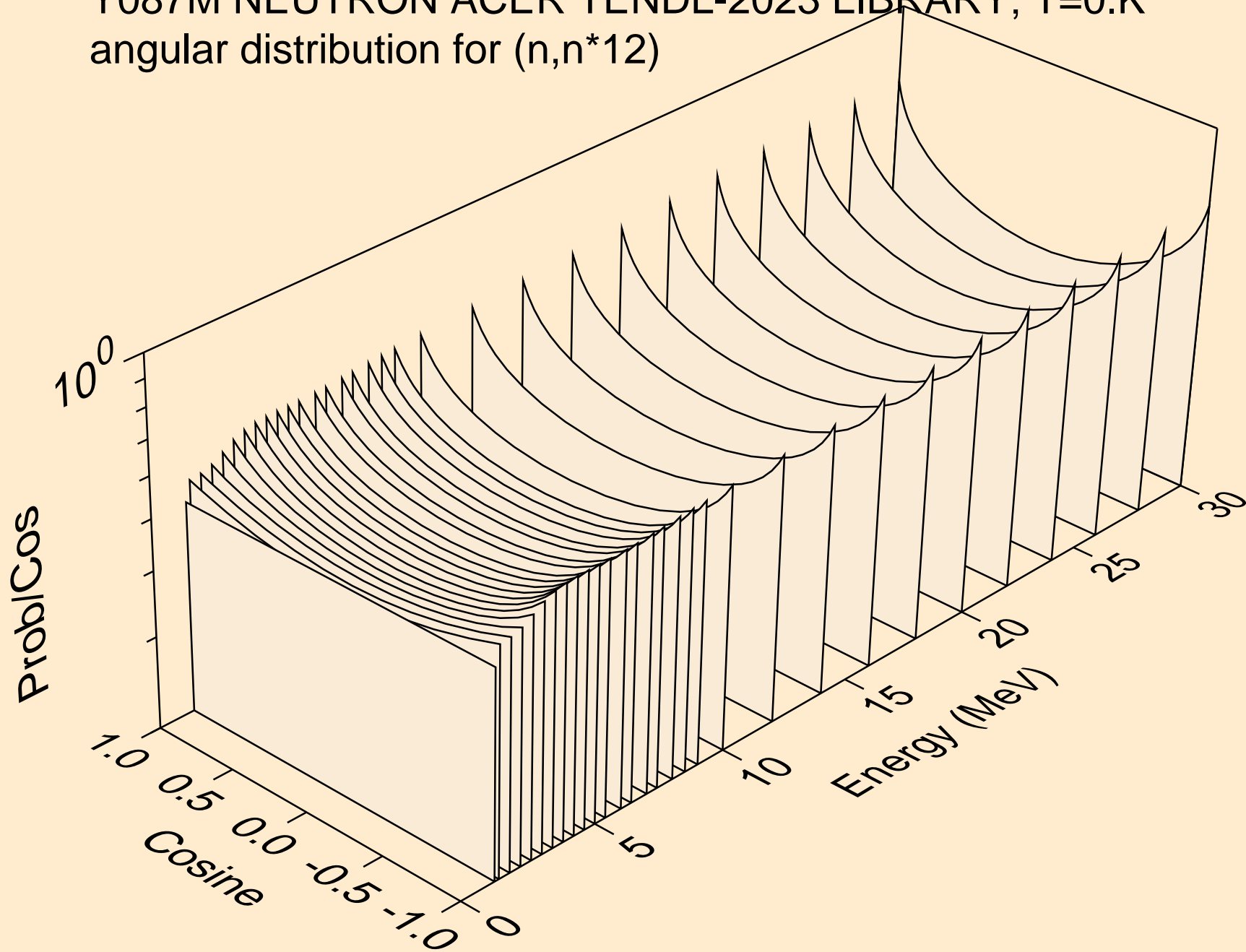
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angular distribution for (n,n\*10)



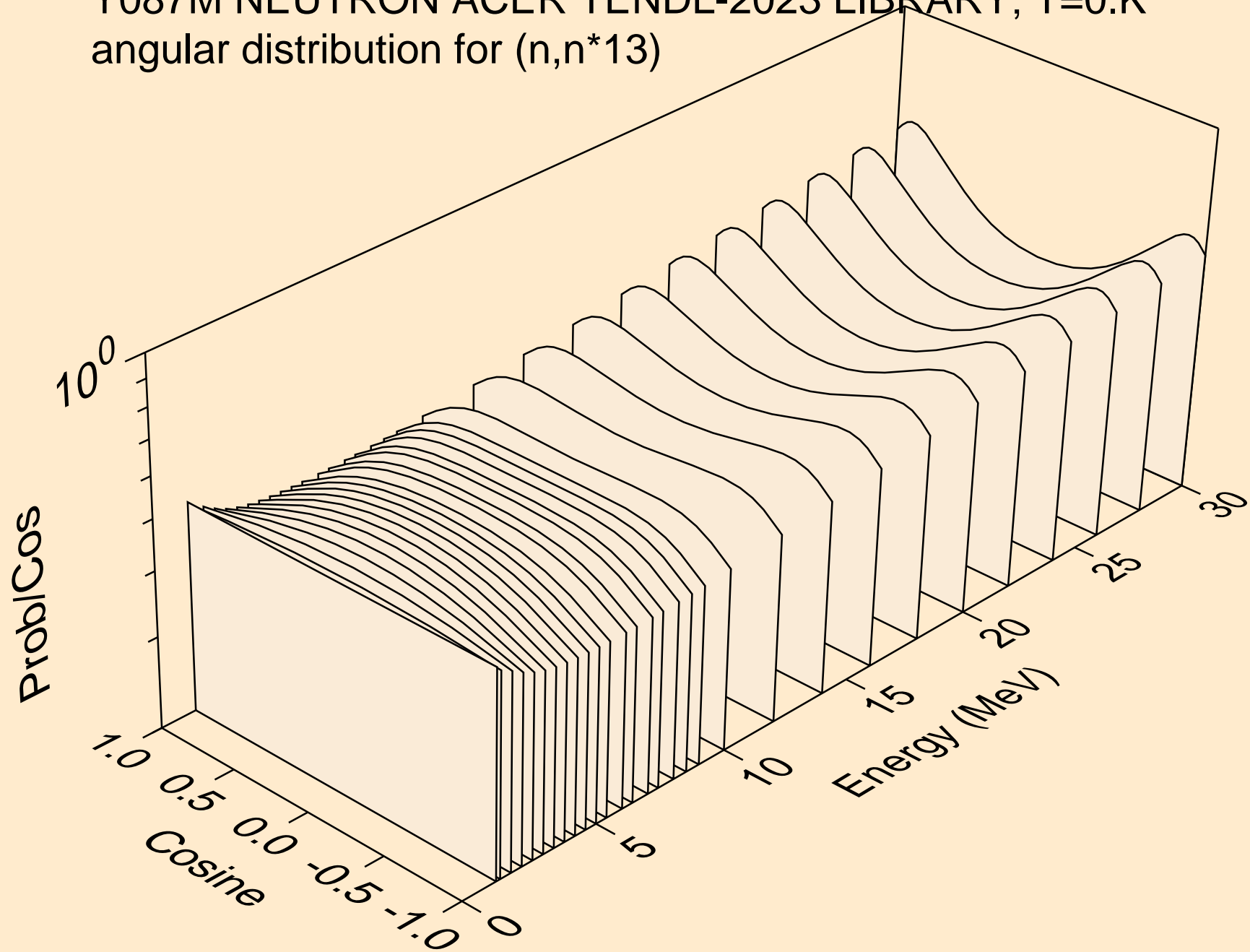
Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)

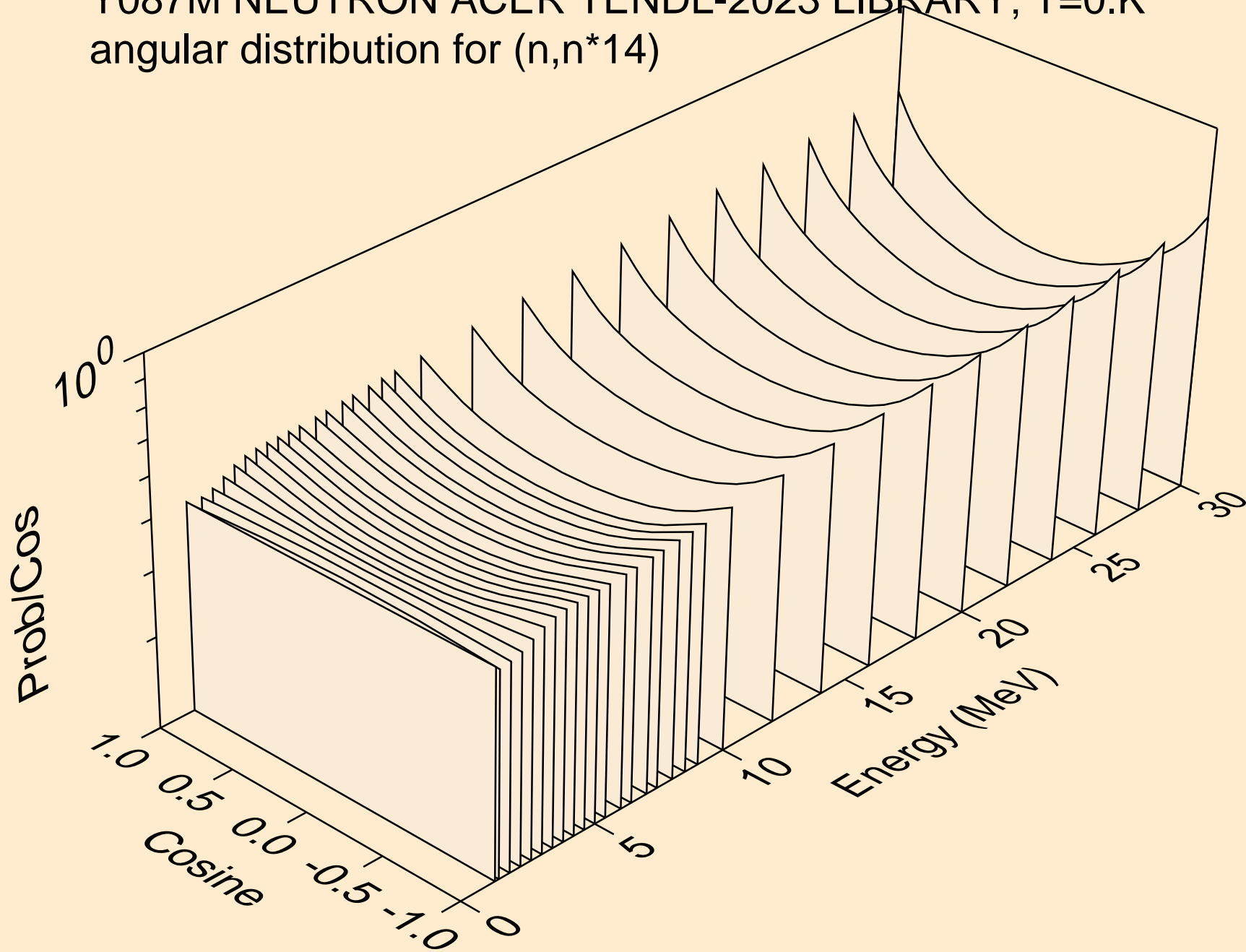


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angular distribution for (n,n\*13)

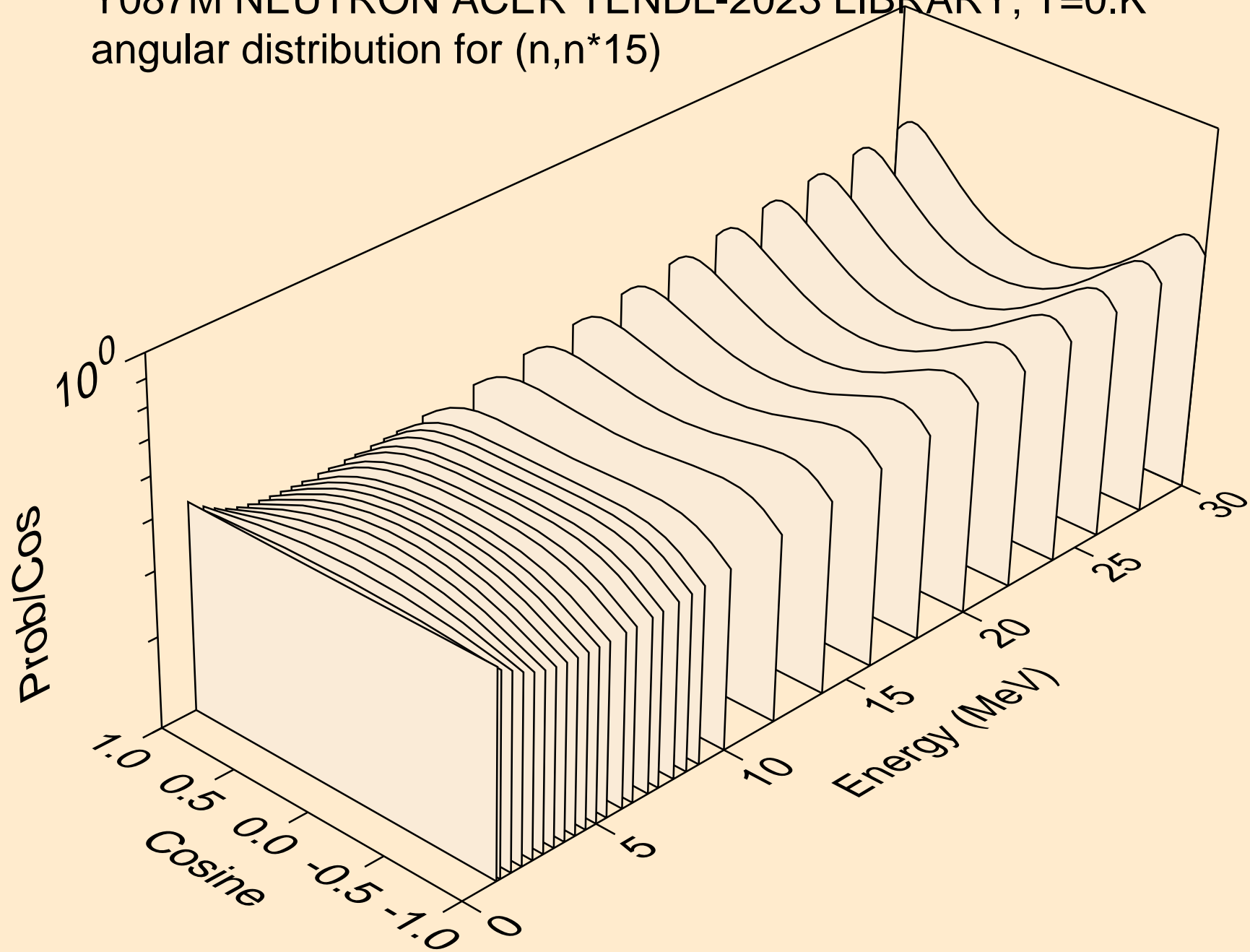




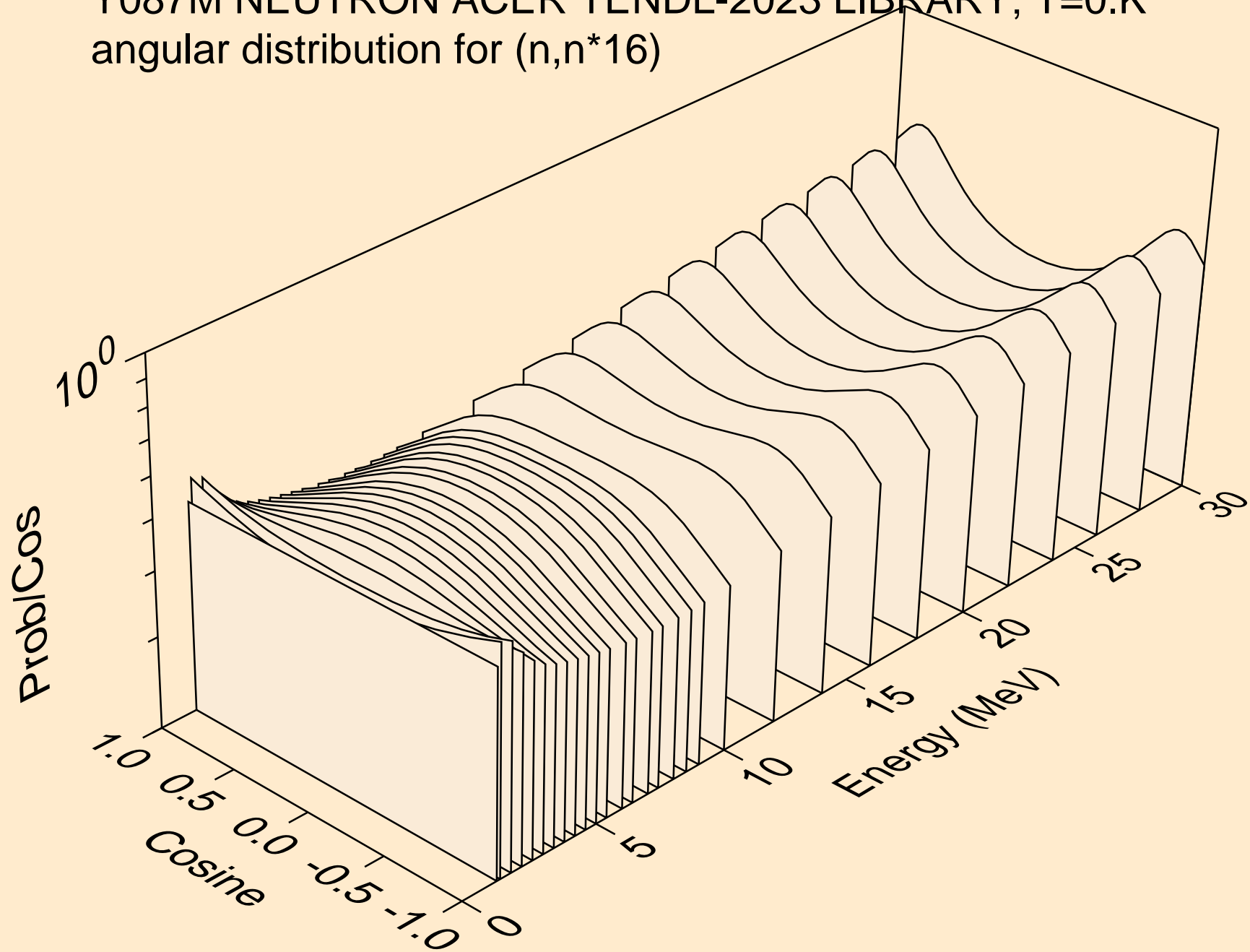
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angular distribution for (n,n\*14)



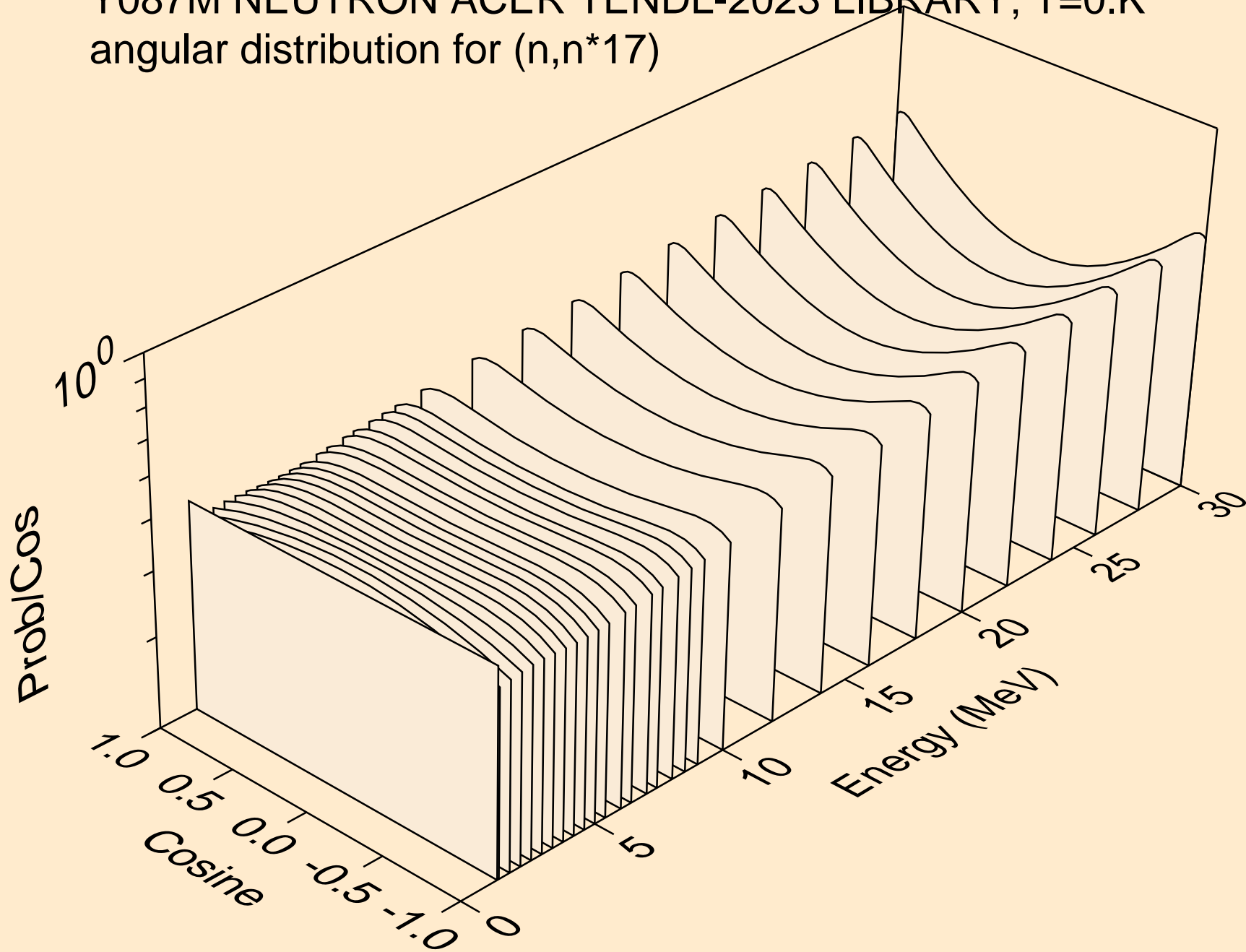
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angular distribution for (n,n\*15)



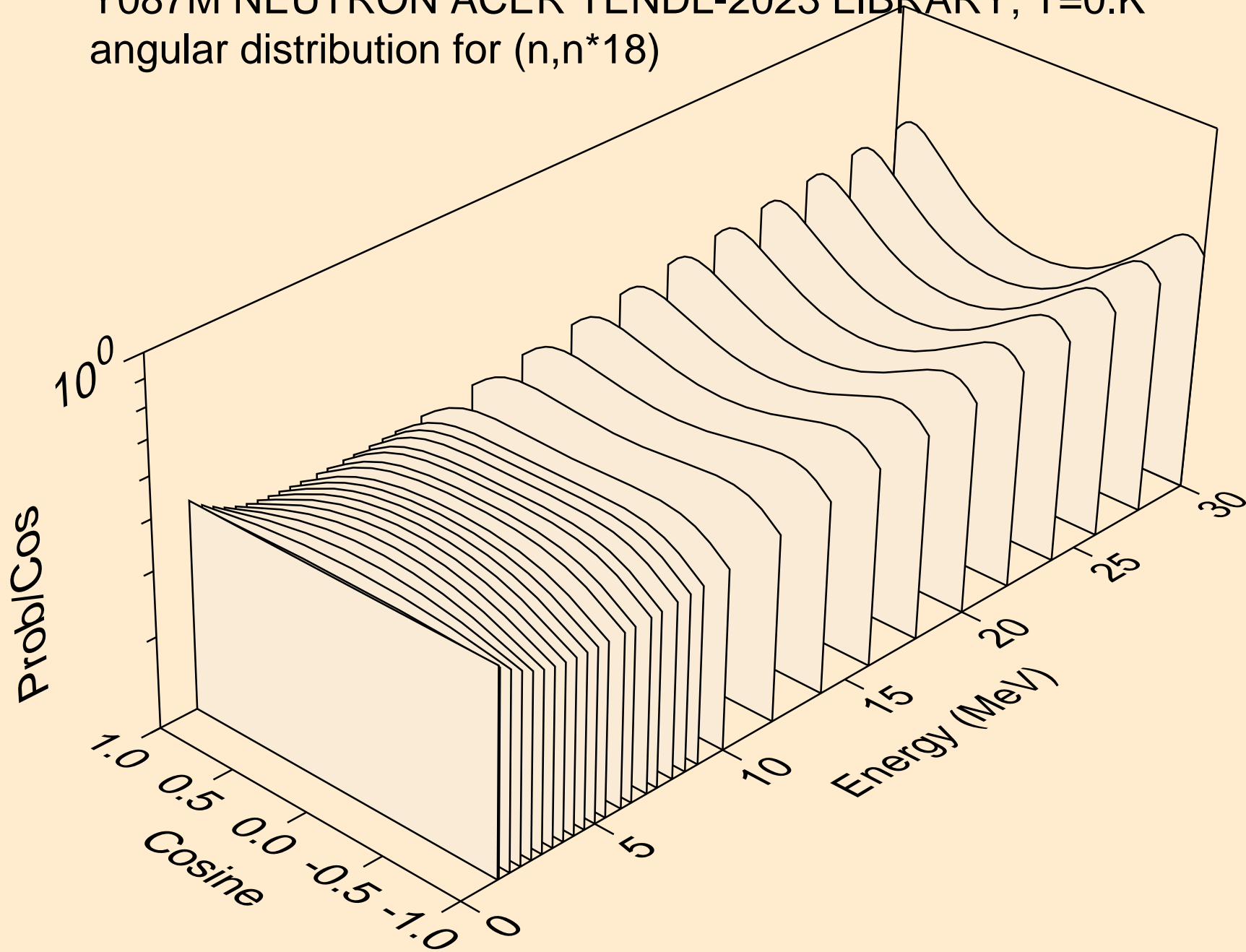
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angular distribution for (n,n\*16)



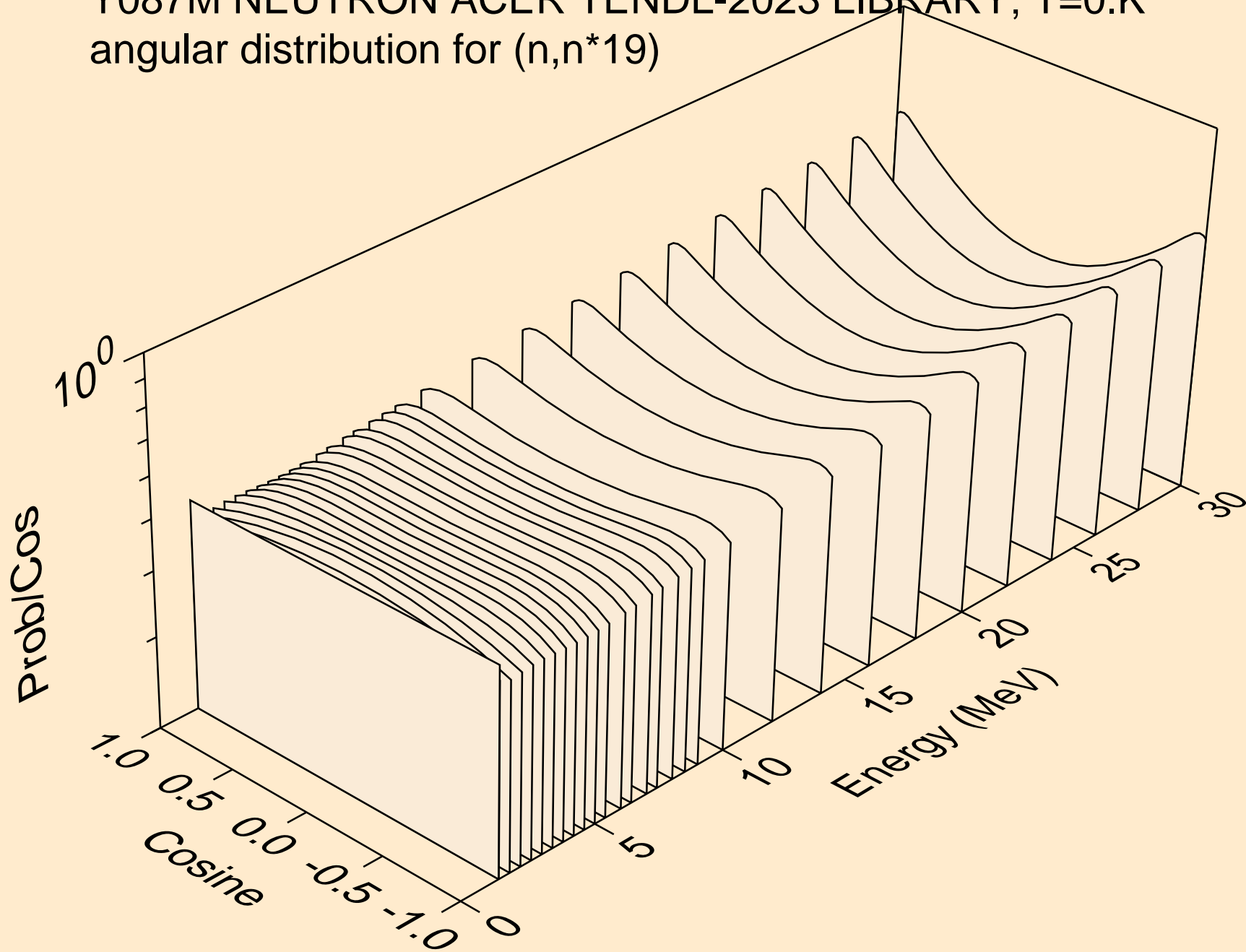
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angular distribution for (n,n\*17)



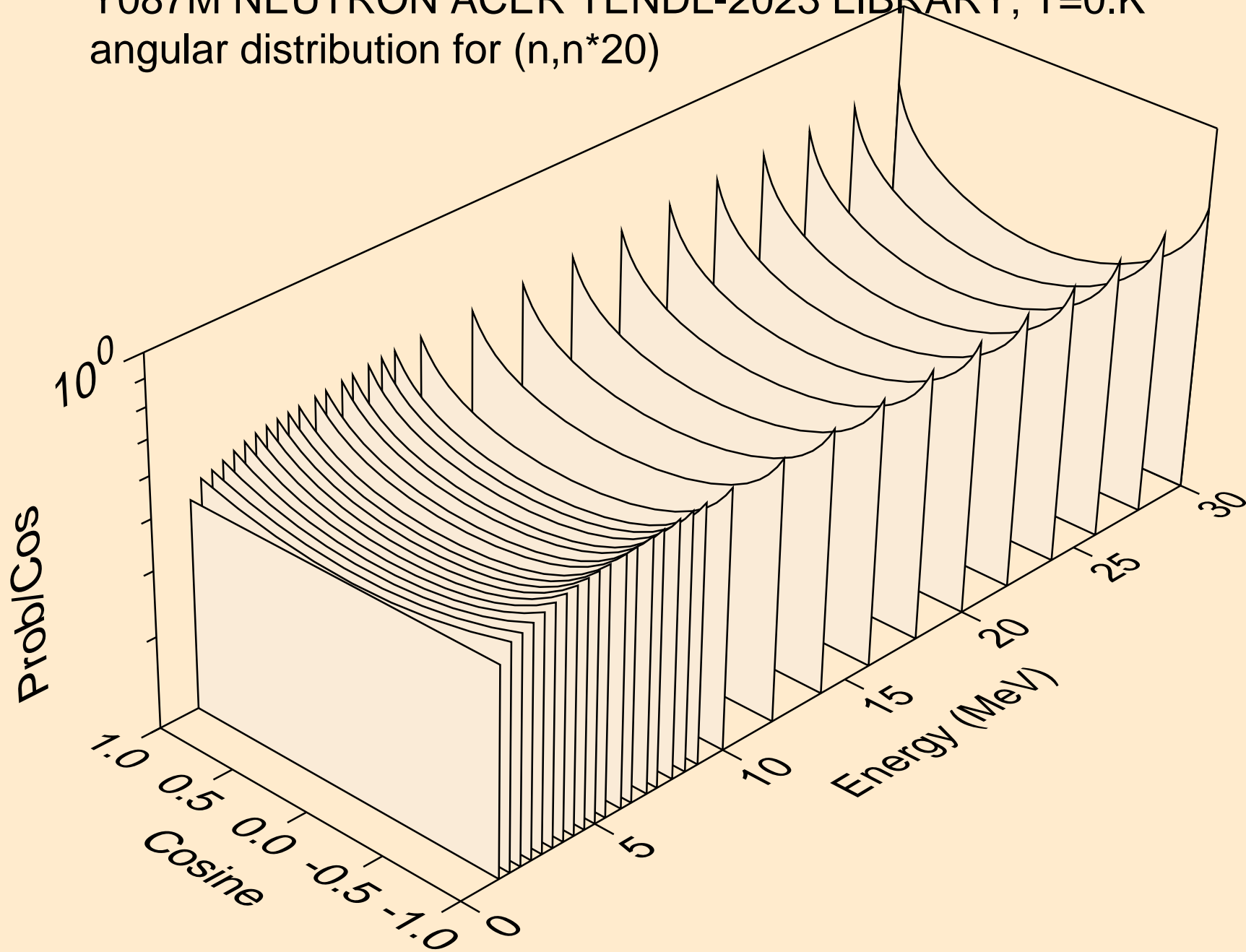
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angular distribution for (n,n\*18)



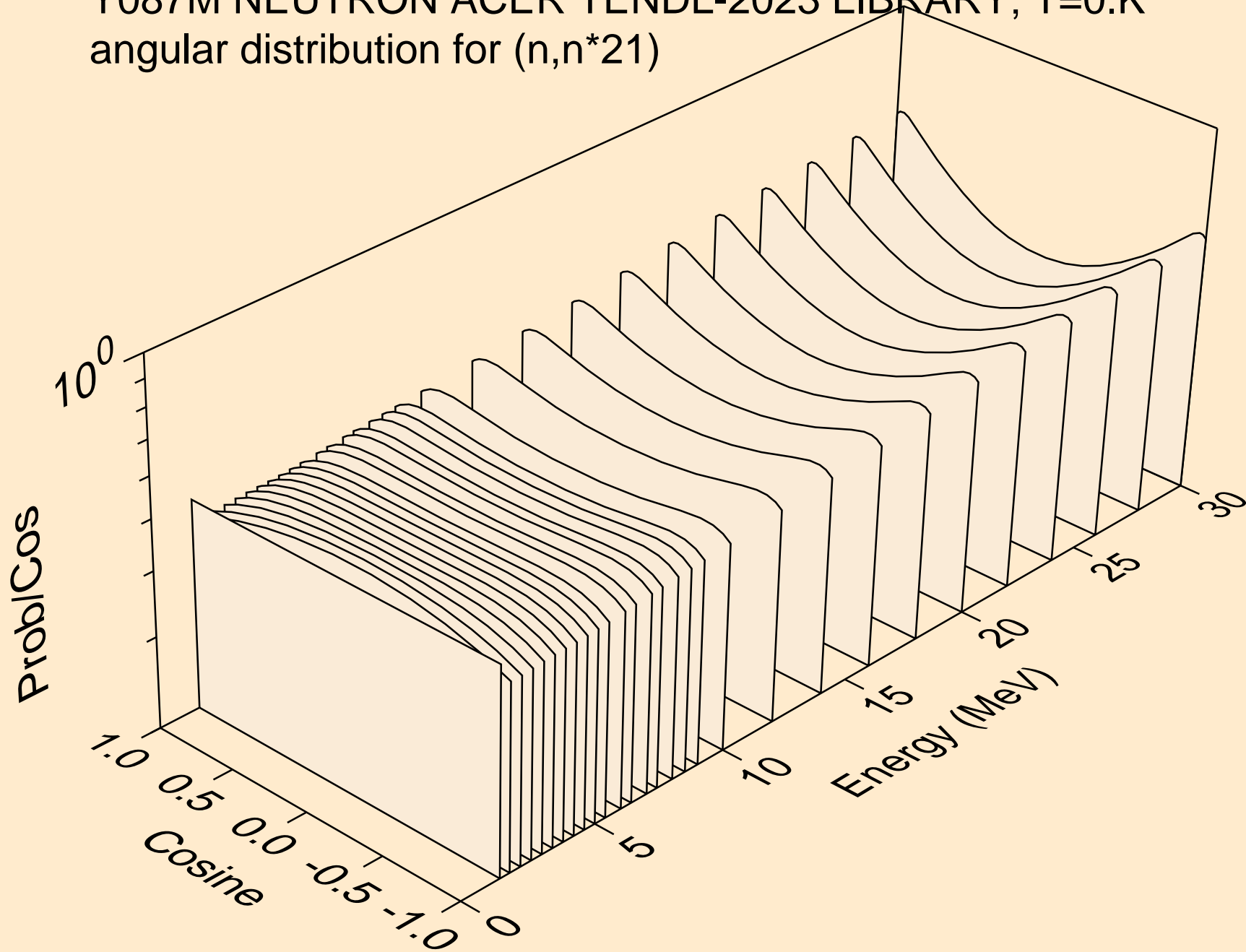
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angular distribution for (n,n\*19)



Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*20)

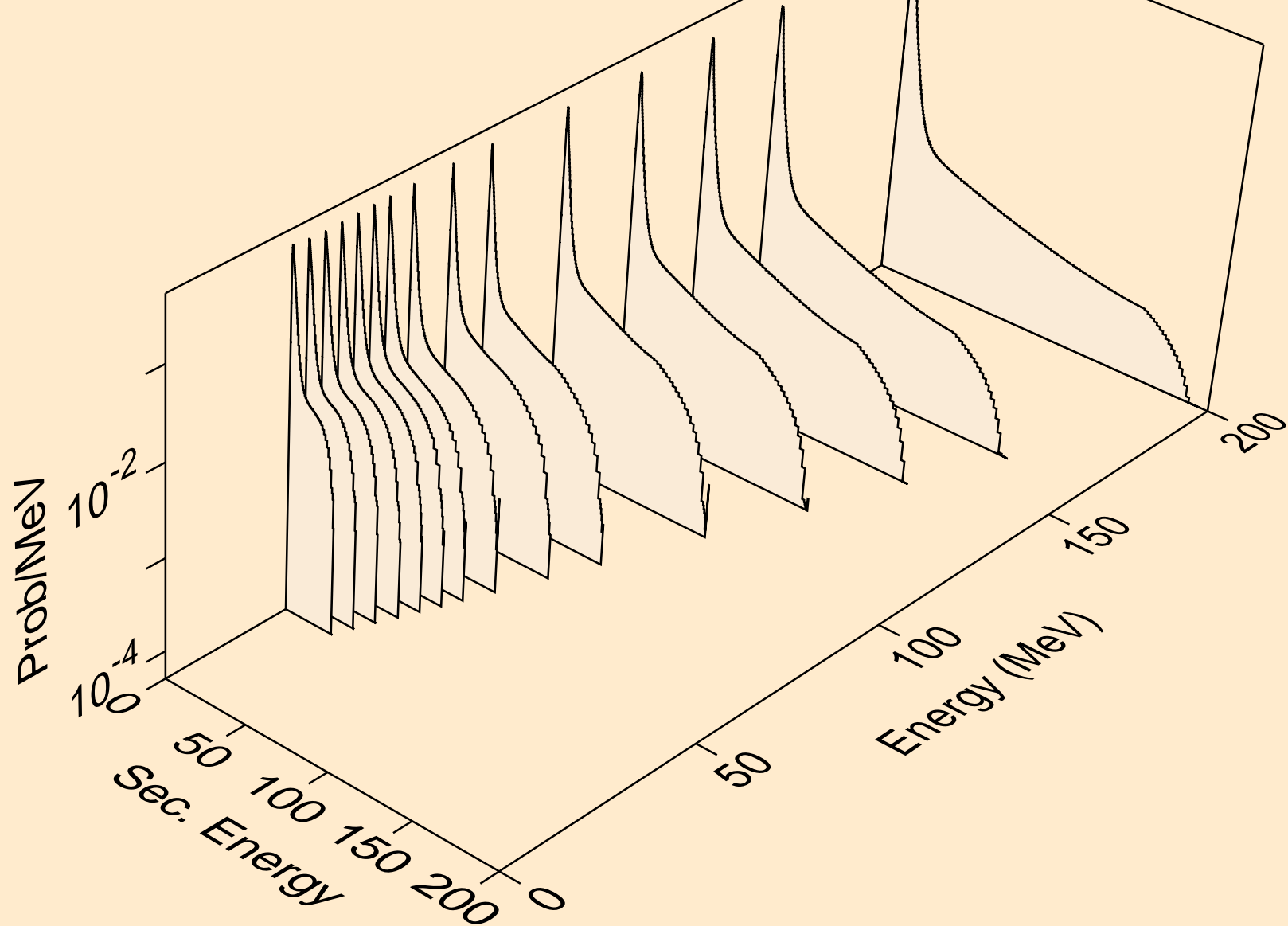


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angular distribution for (n,n\*21)

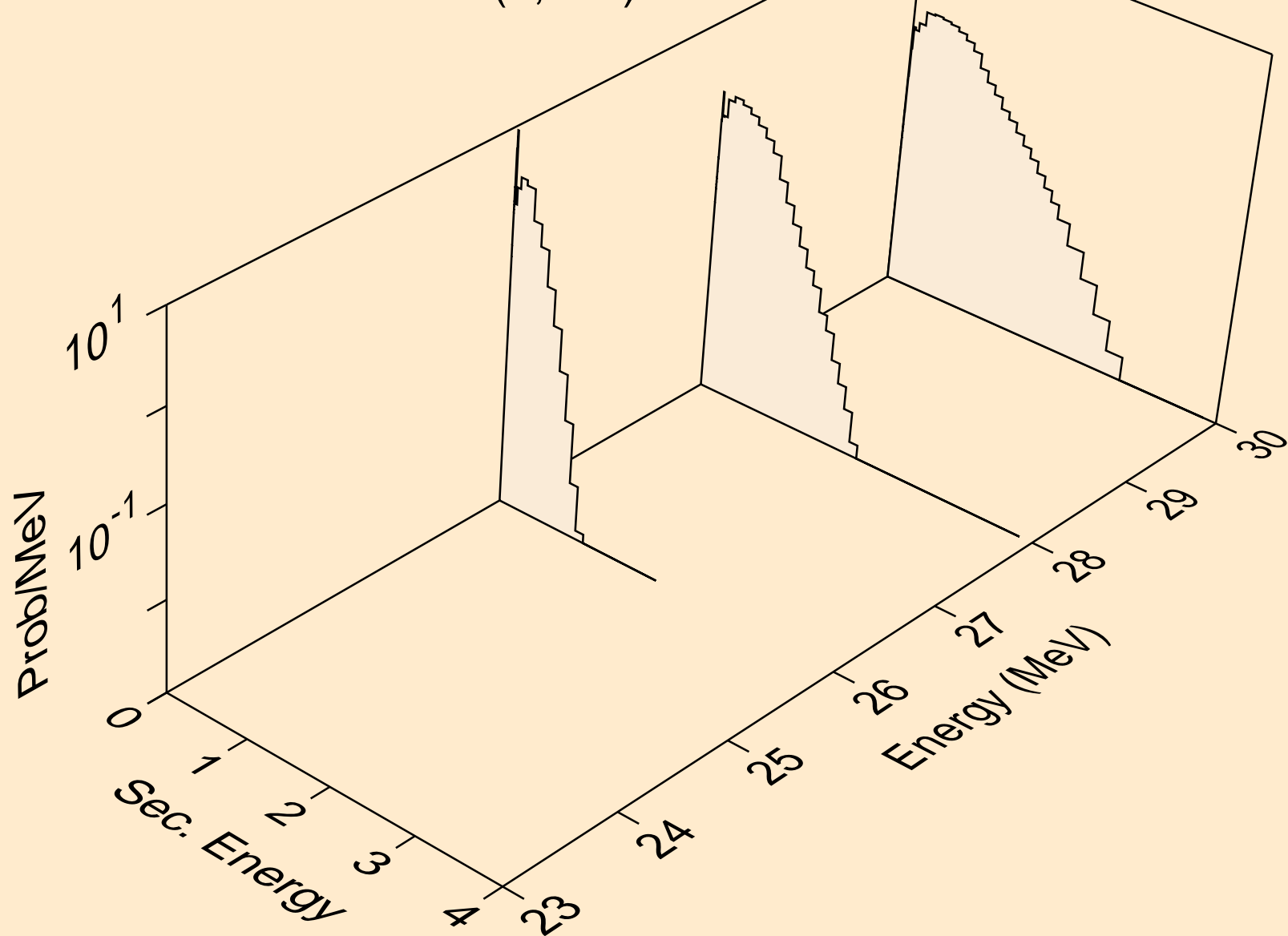




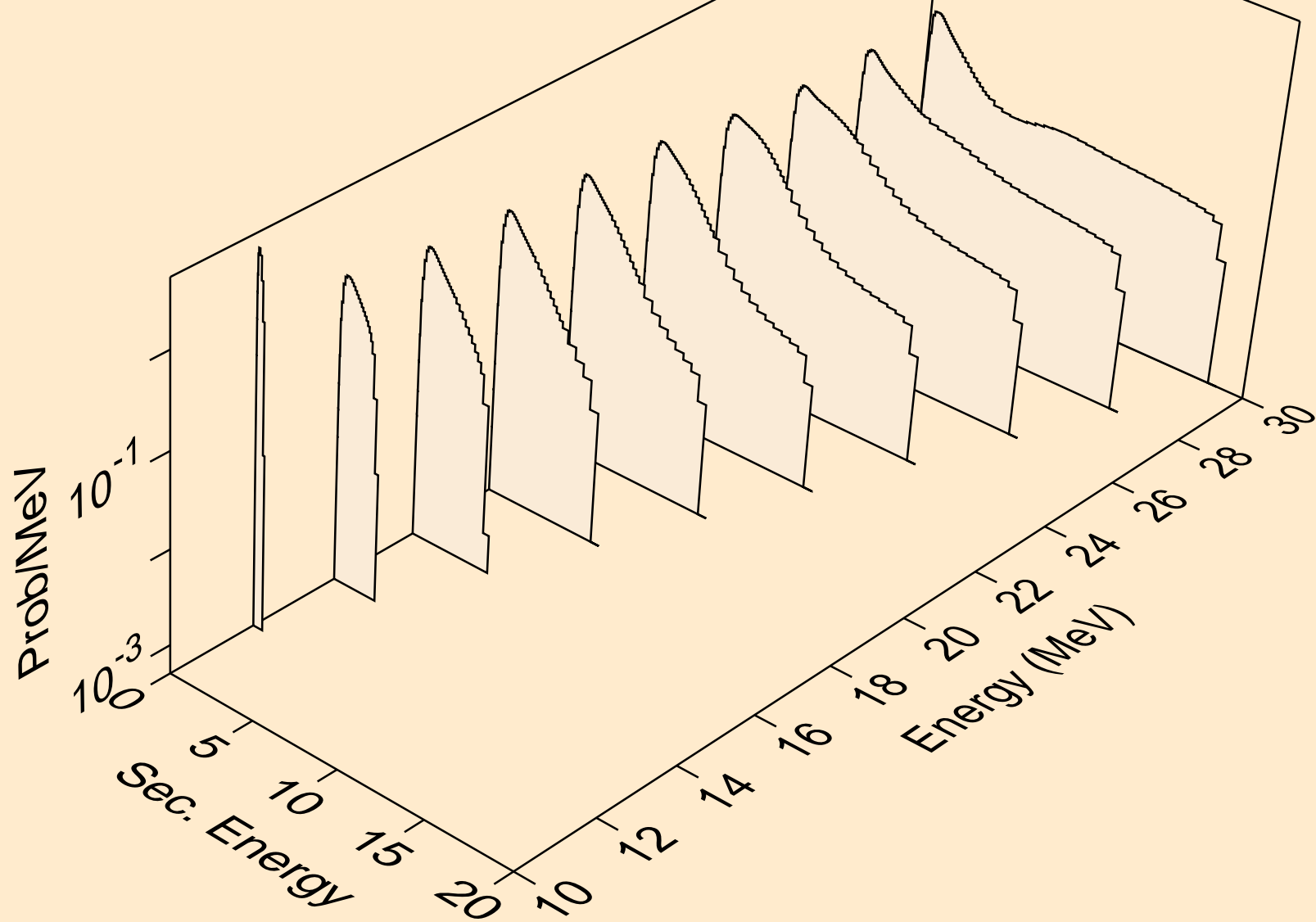
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Neutron emission for (n,x)



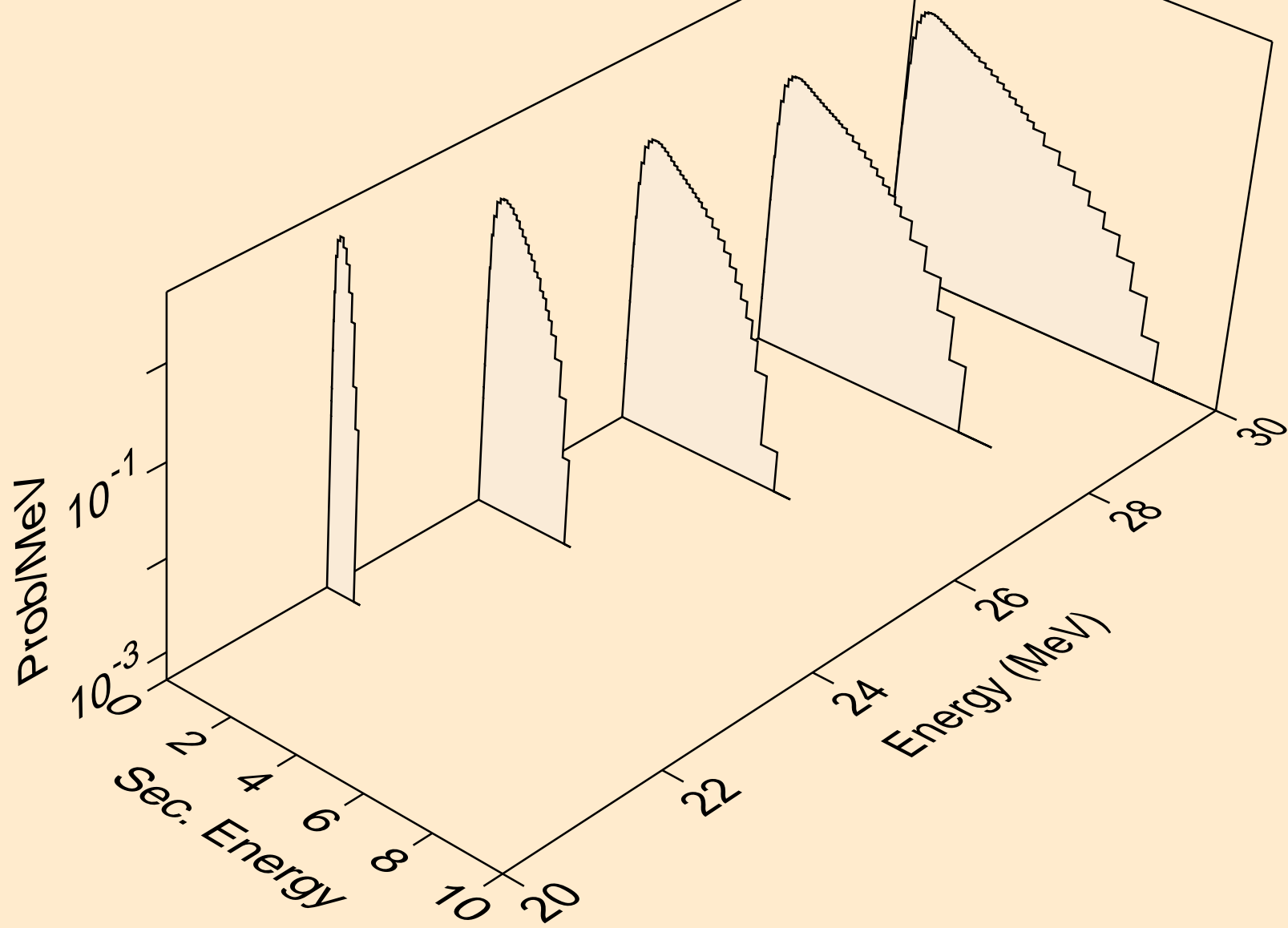
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Neutron emission for (n,2nd)



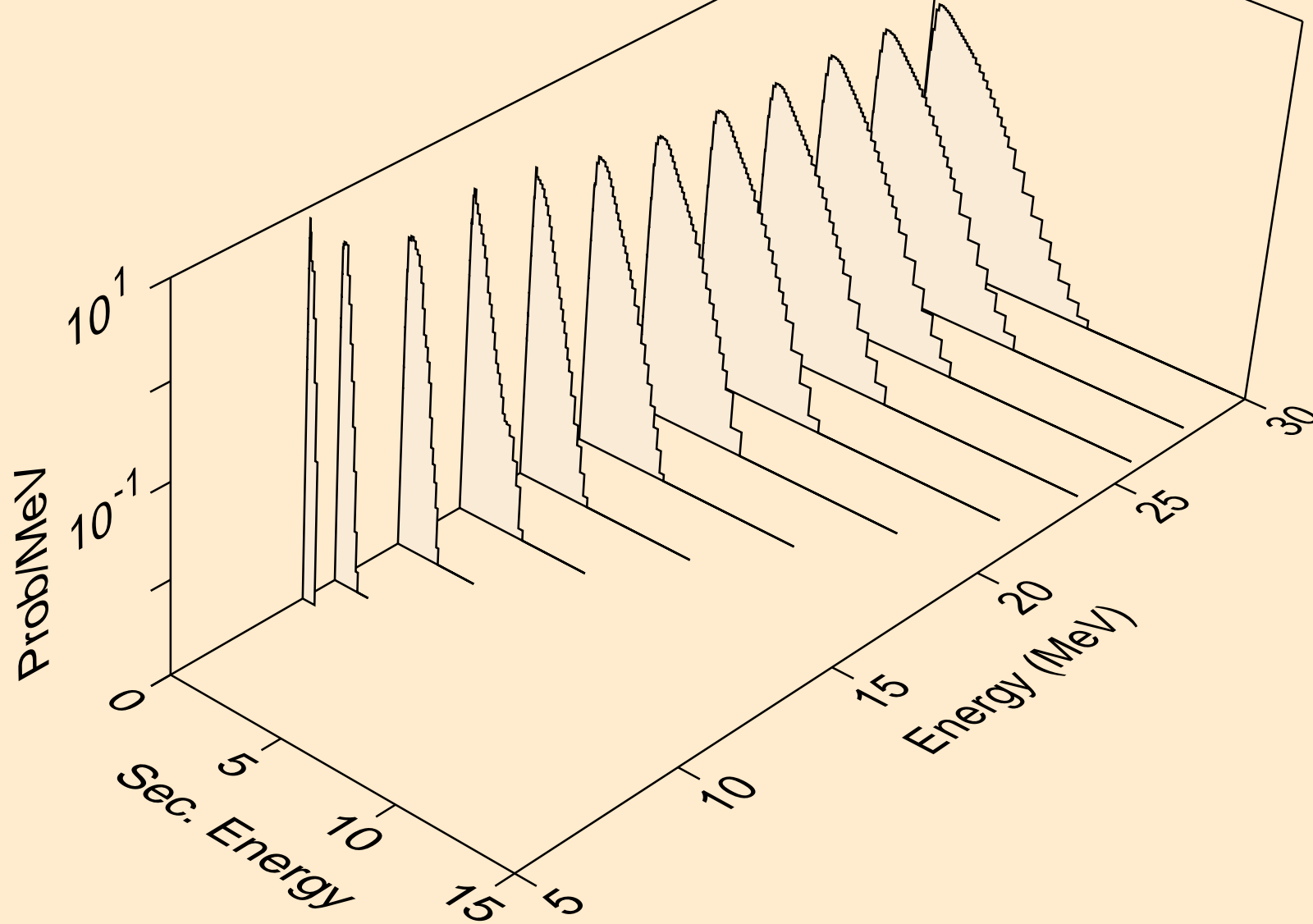
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Neutron emission for (n,2n)



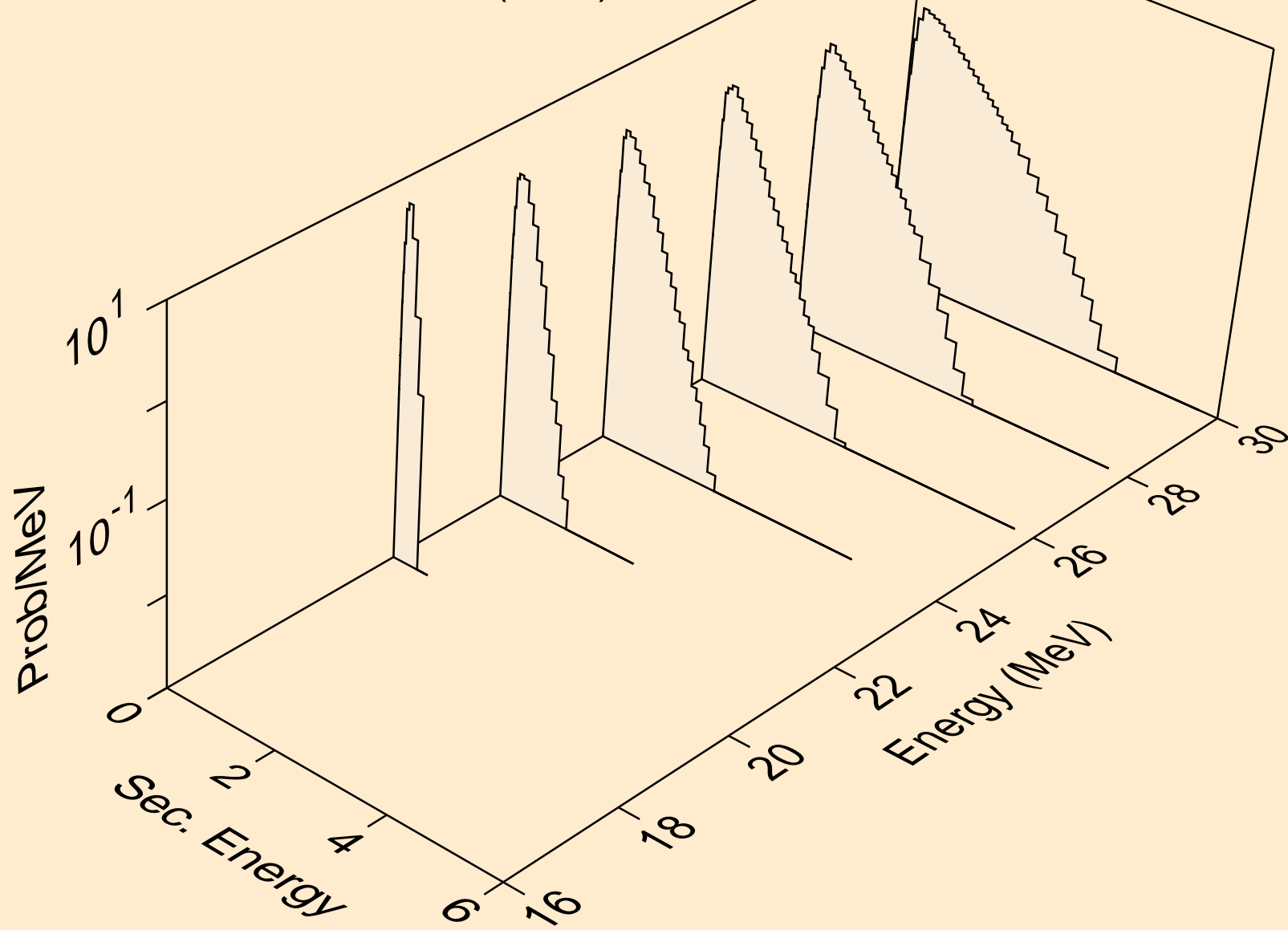
Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



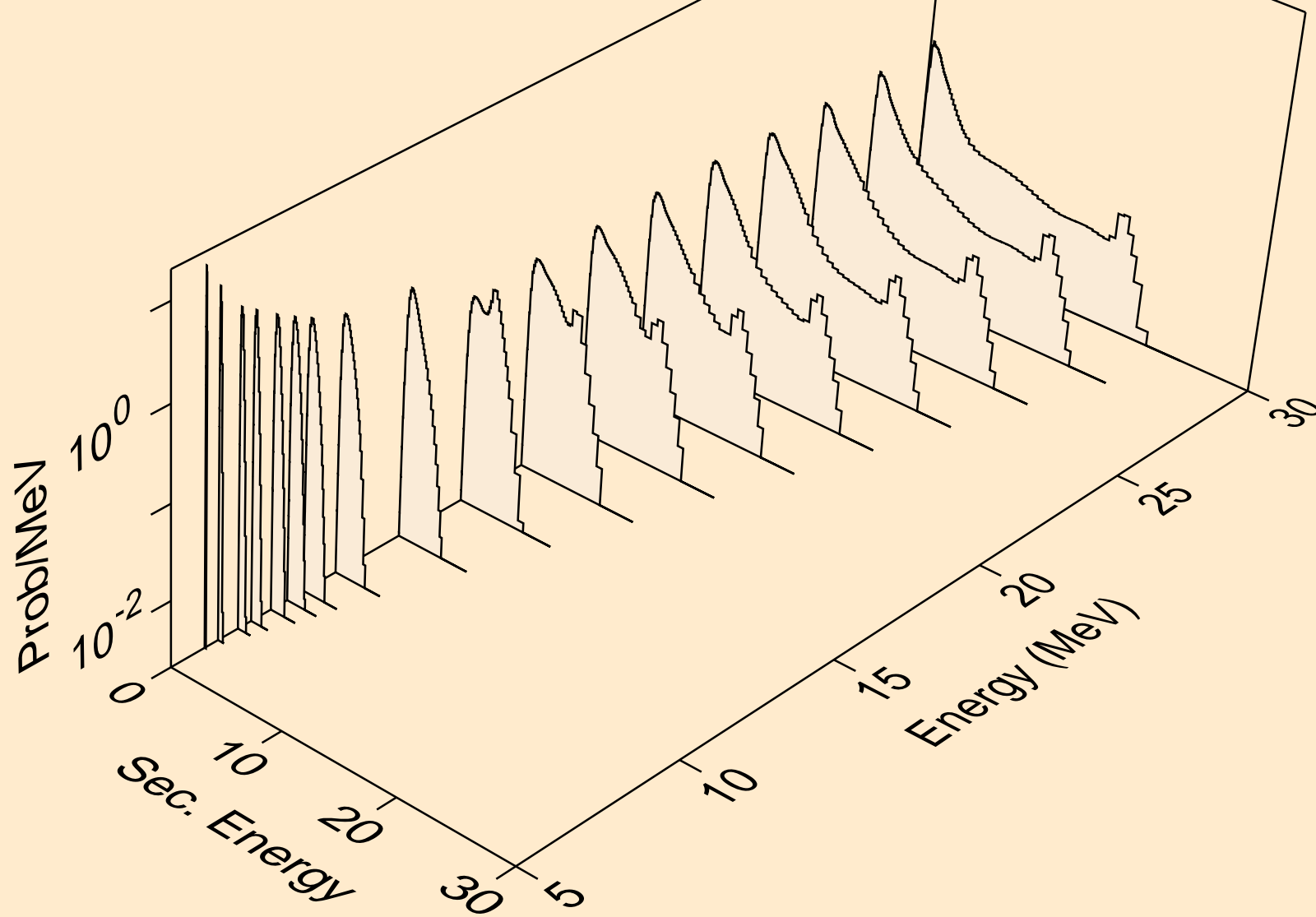
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Neutron emission for (n,n\*)a



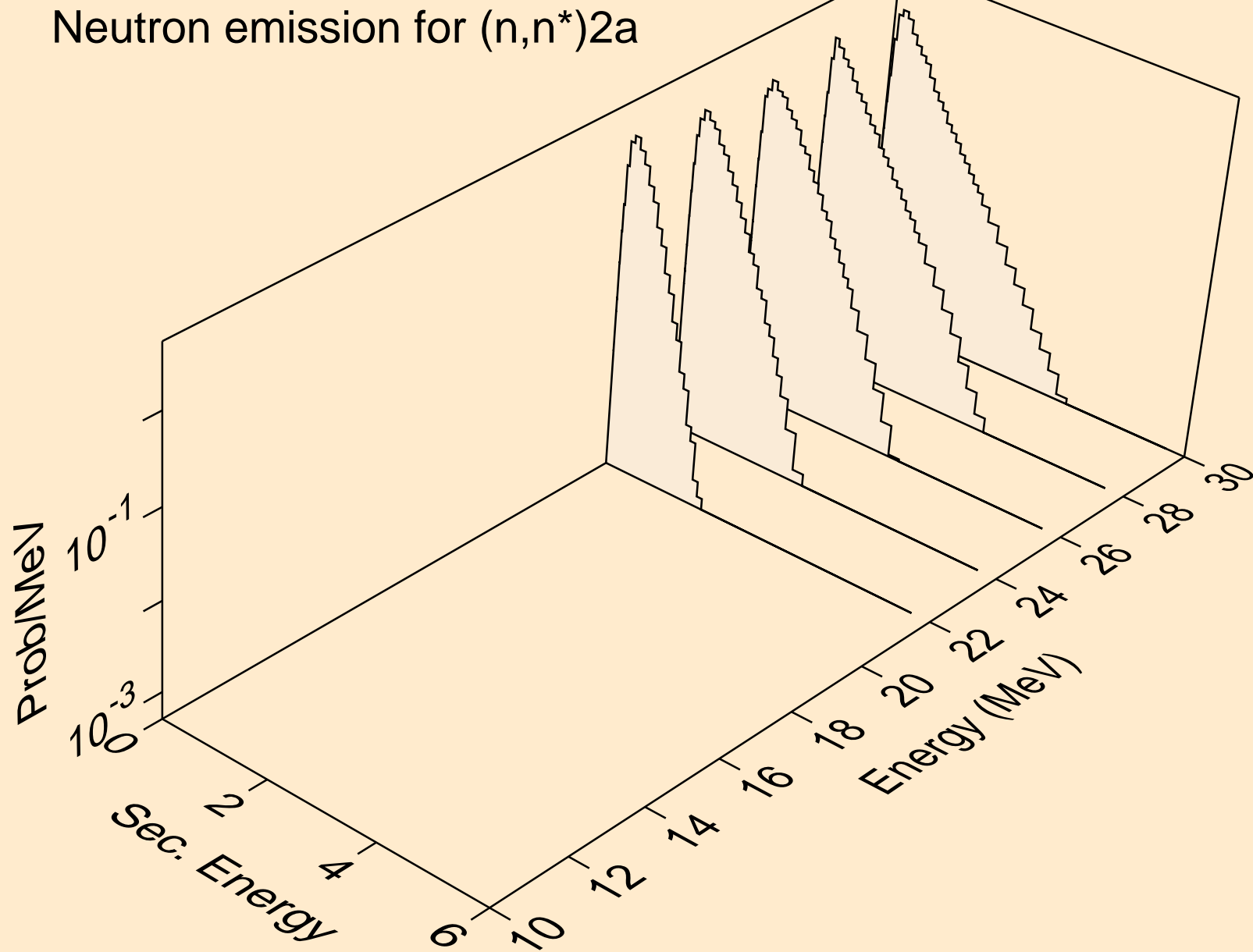
Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p

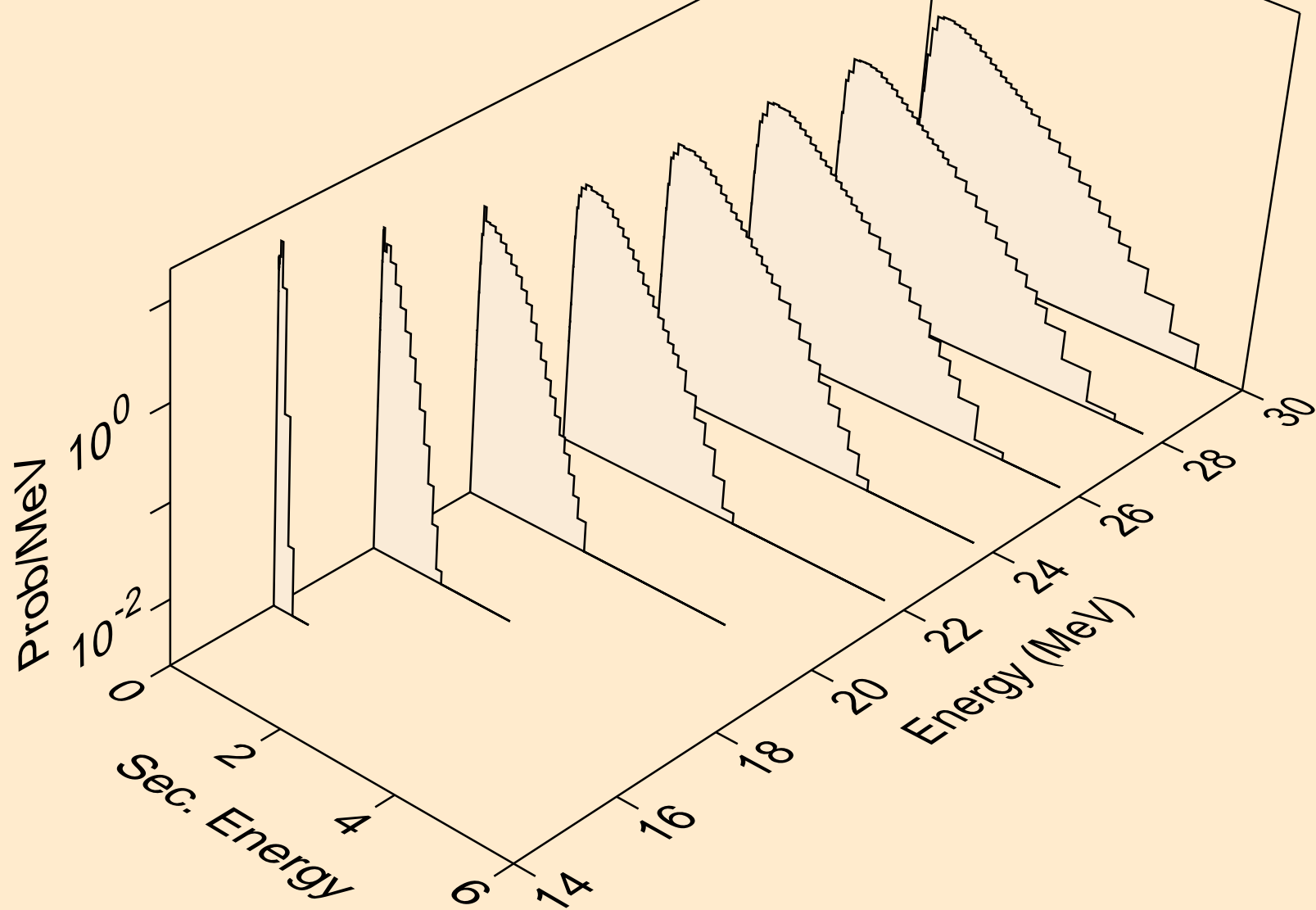


Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a

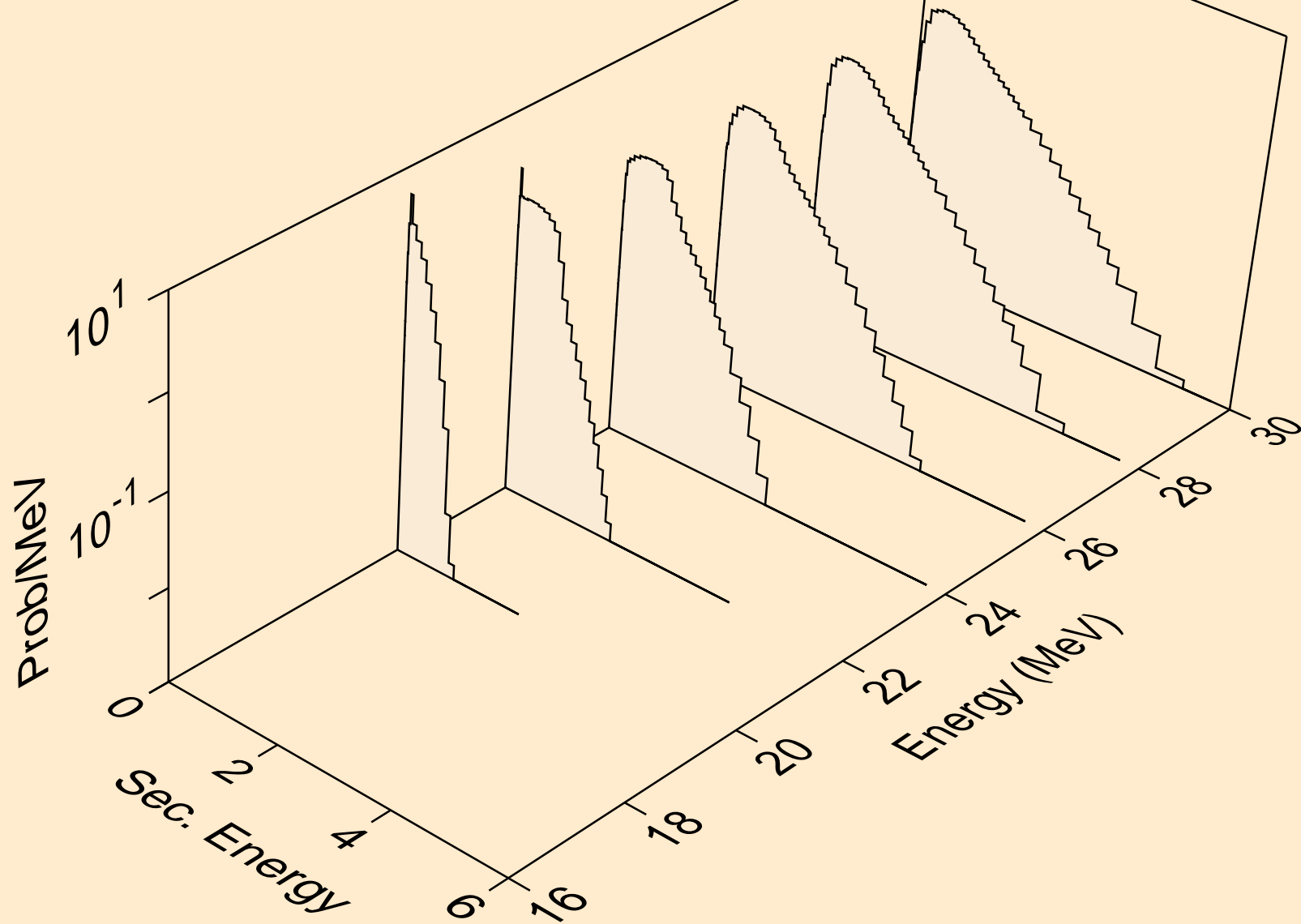




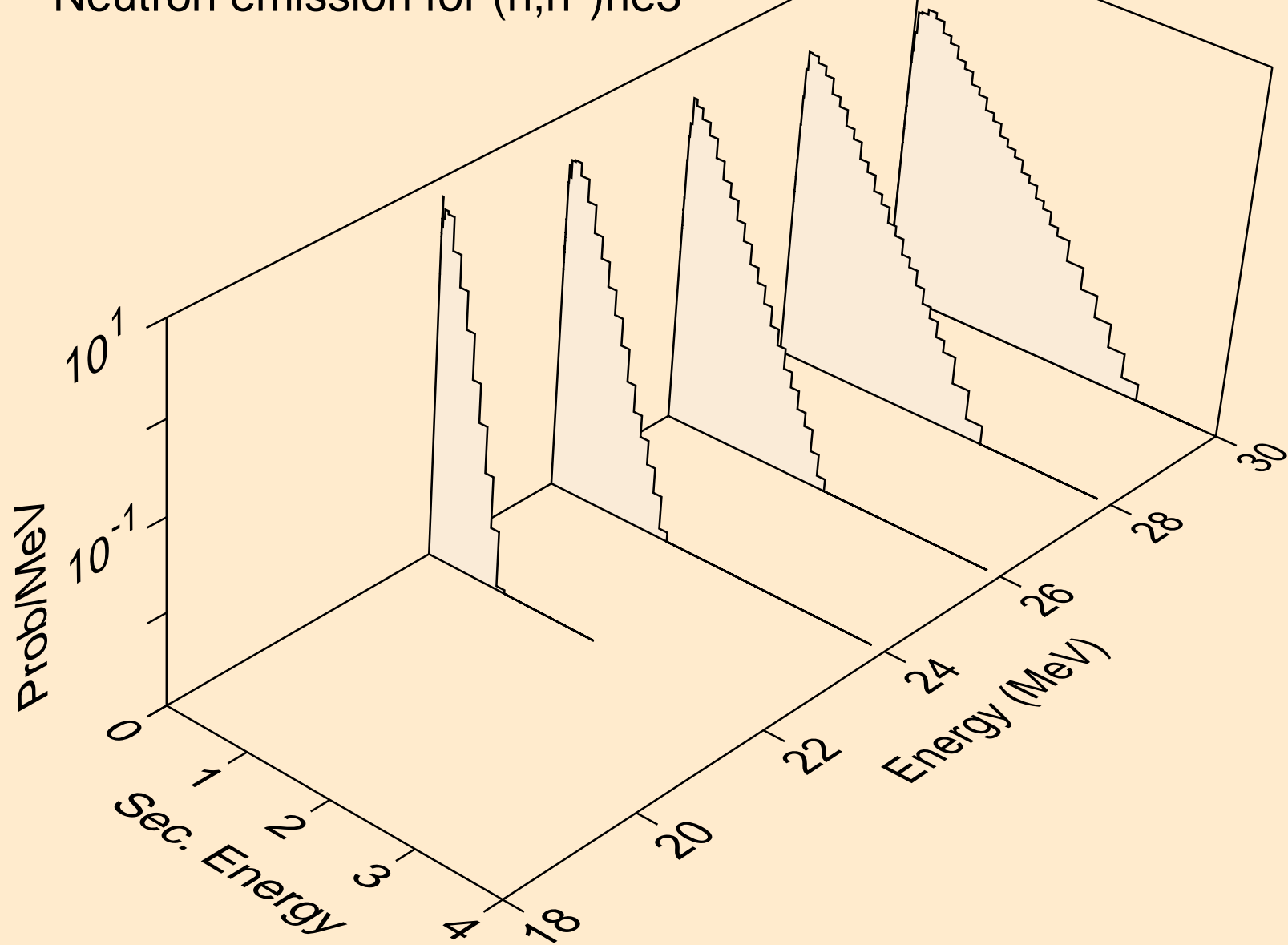
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Neutron emission for (n,n\*)d



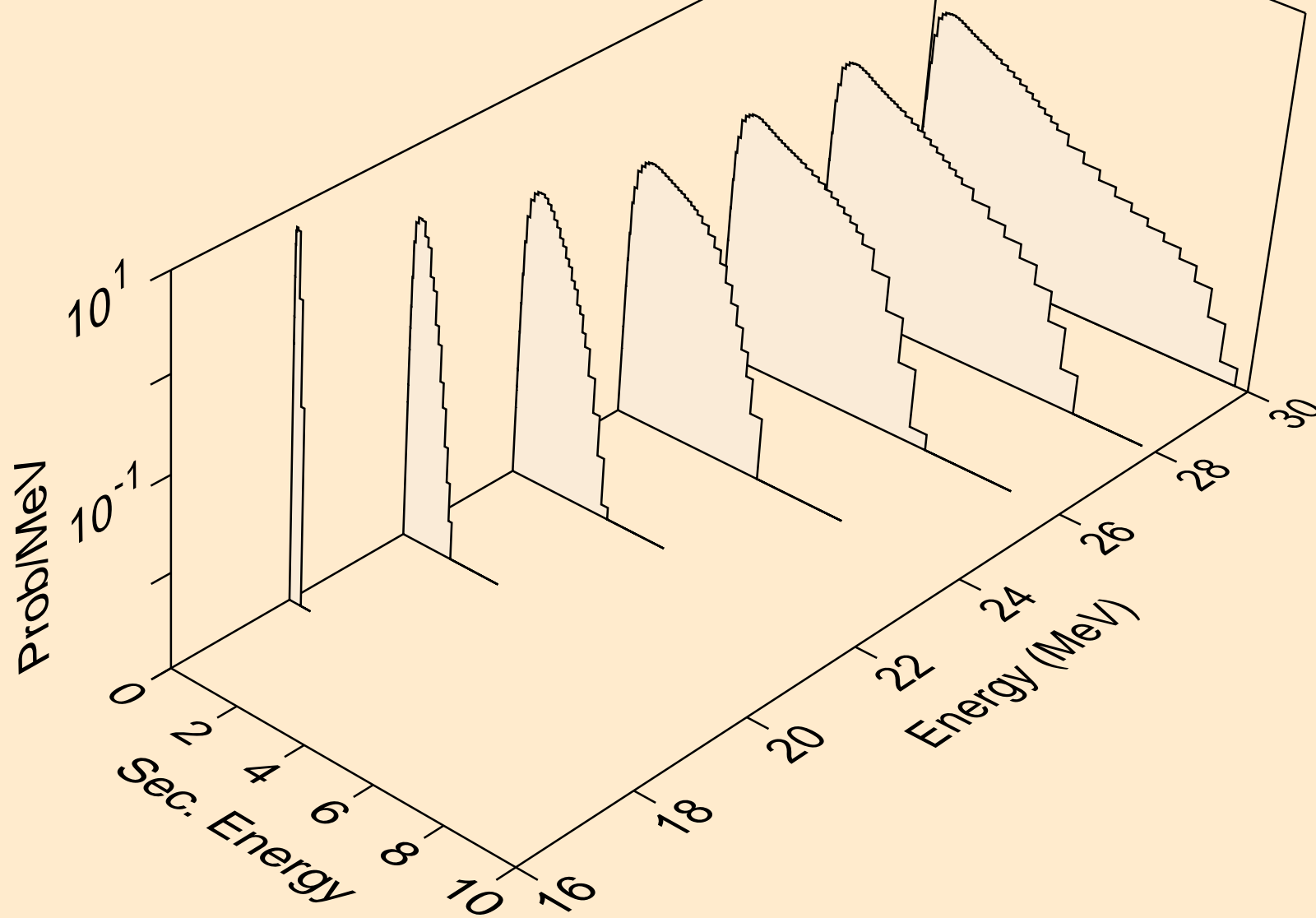
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Neutron emission for (n,n\*)t



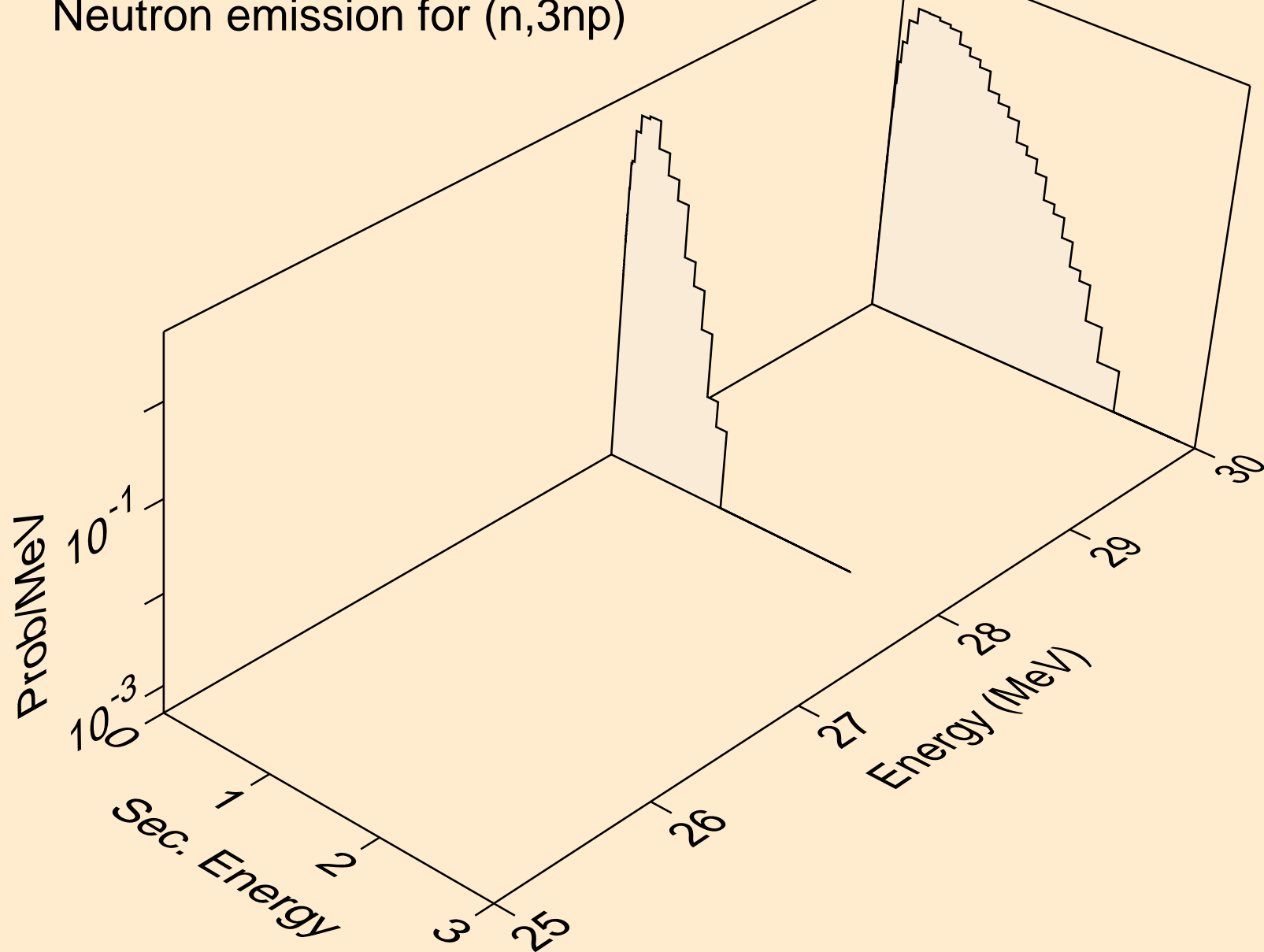
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Neutron emission for (n,n\*)he3



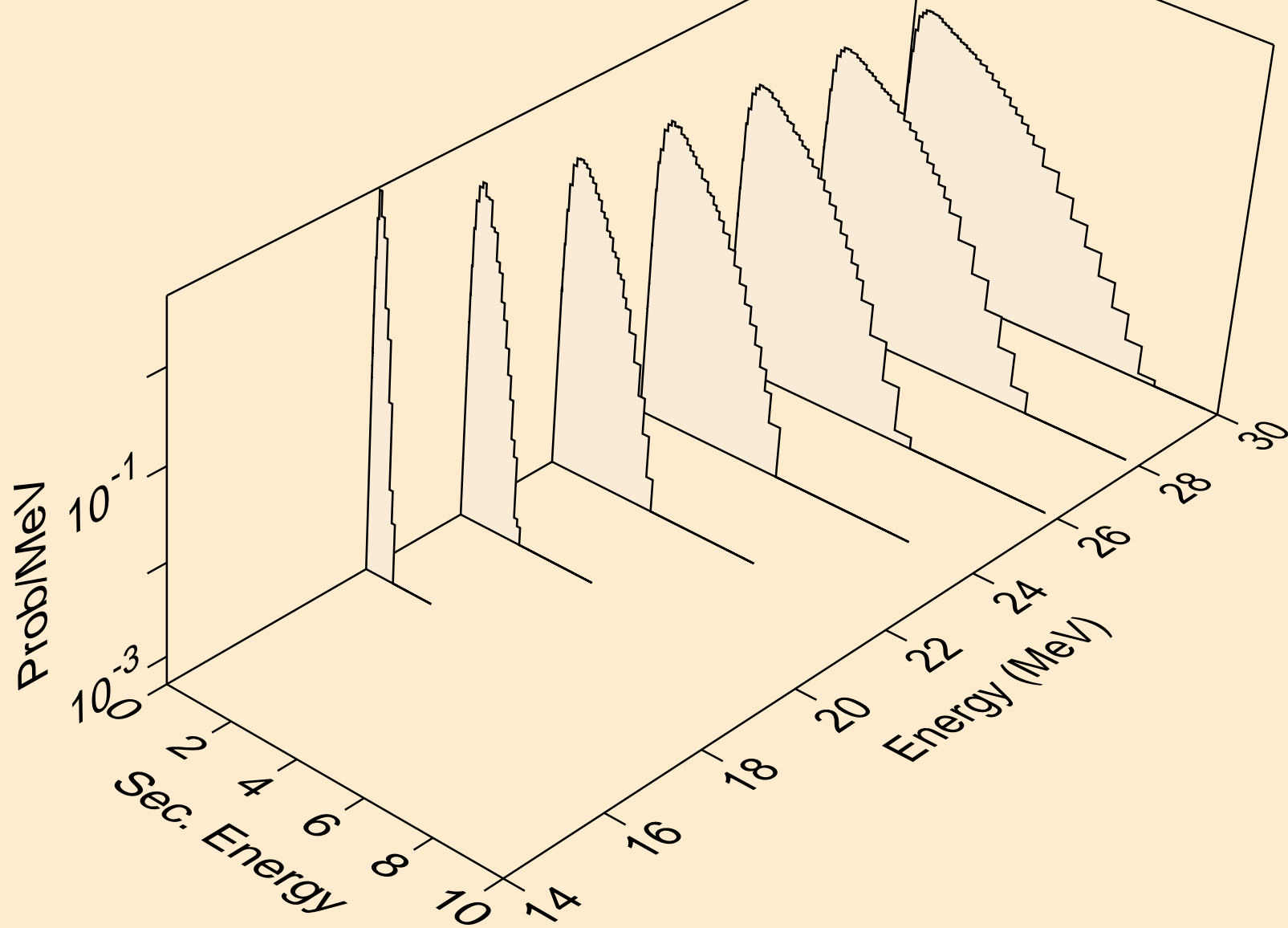
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Neutron emission for (n,2np)



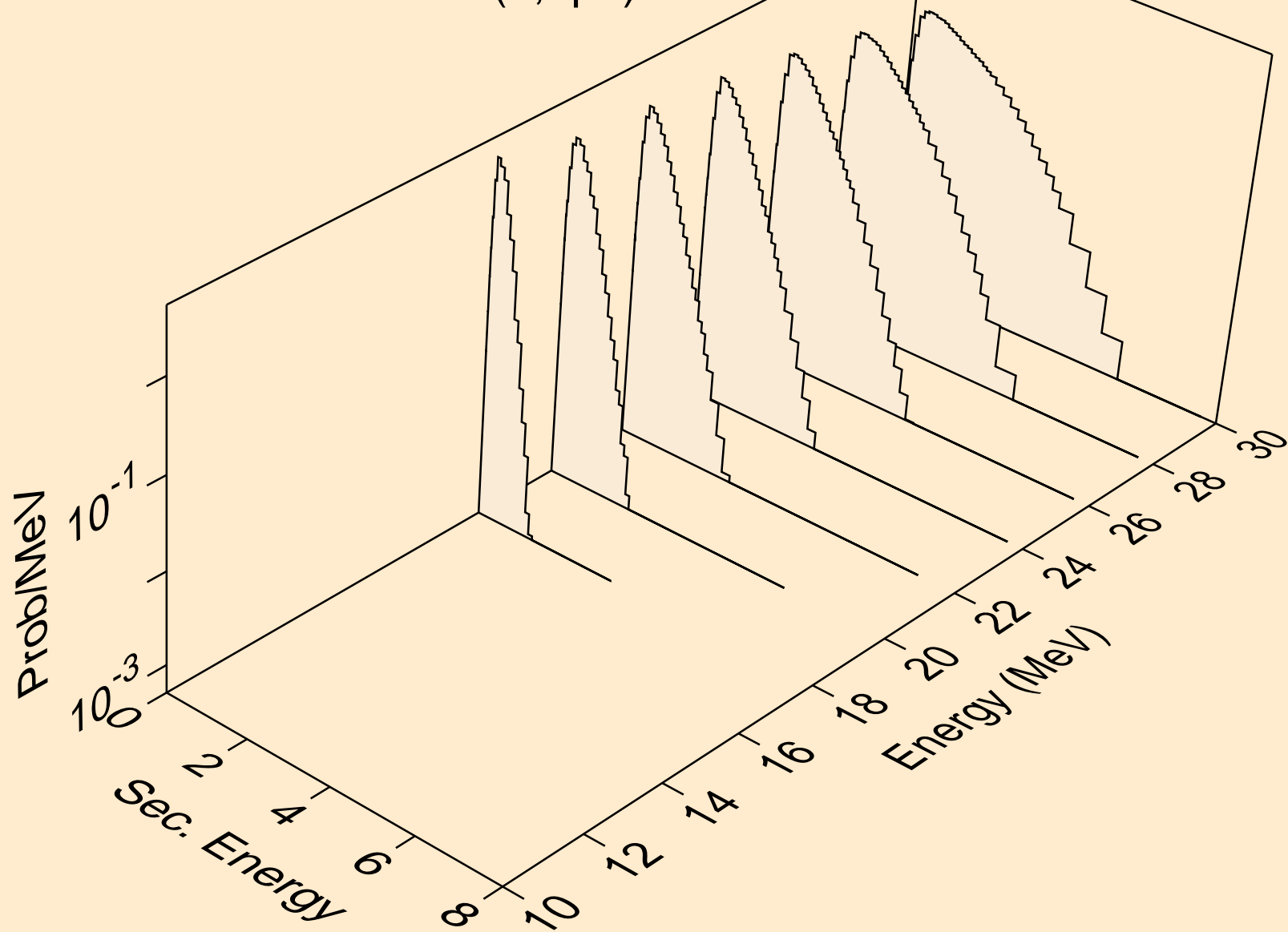
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Neutron emission for (n,3np)



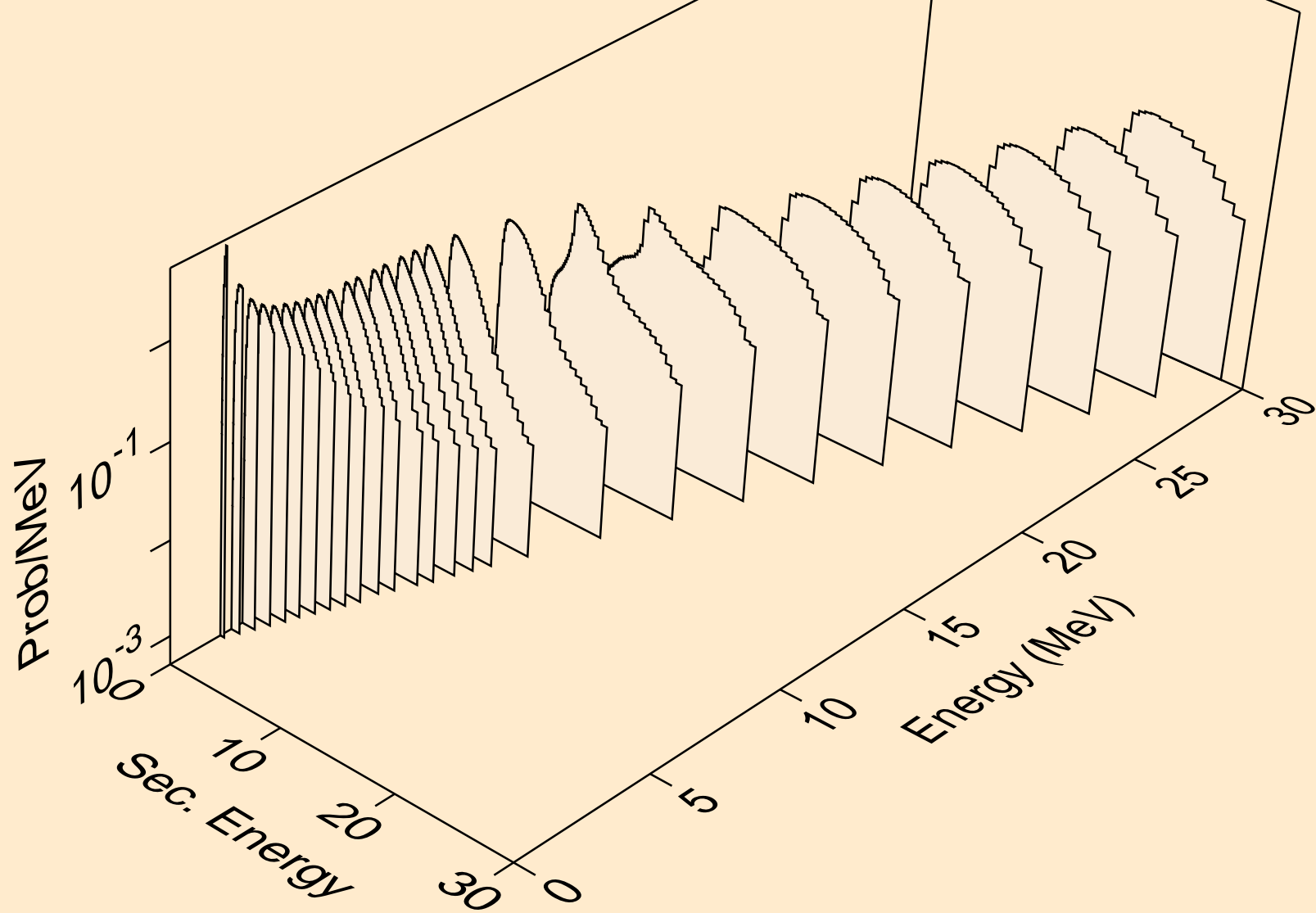
Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)

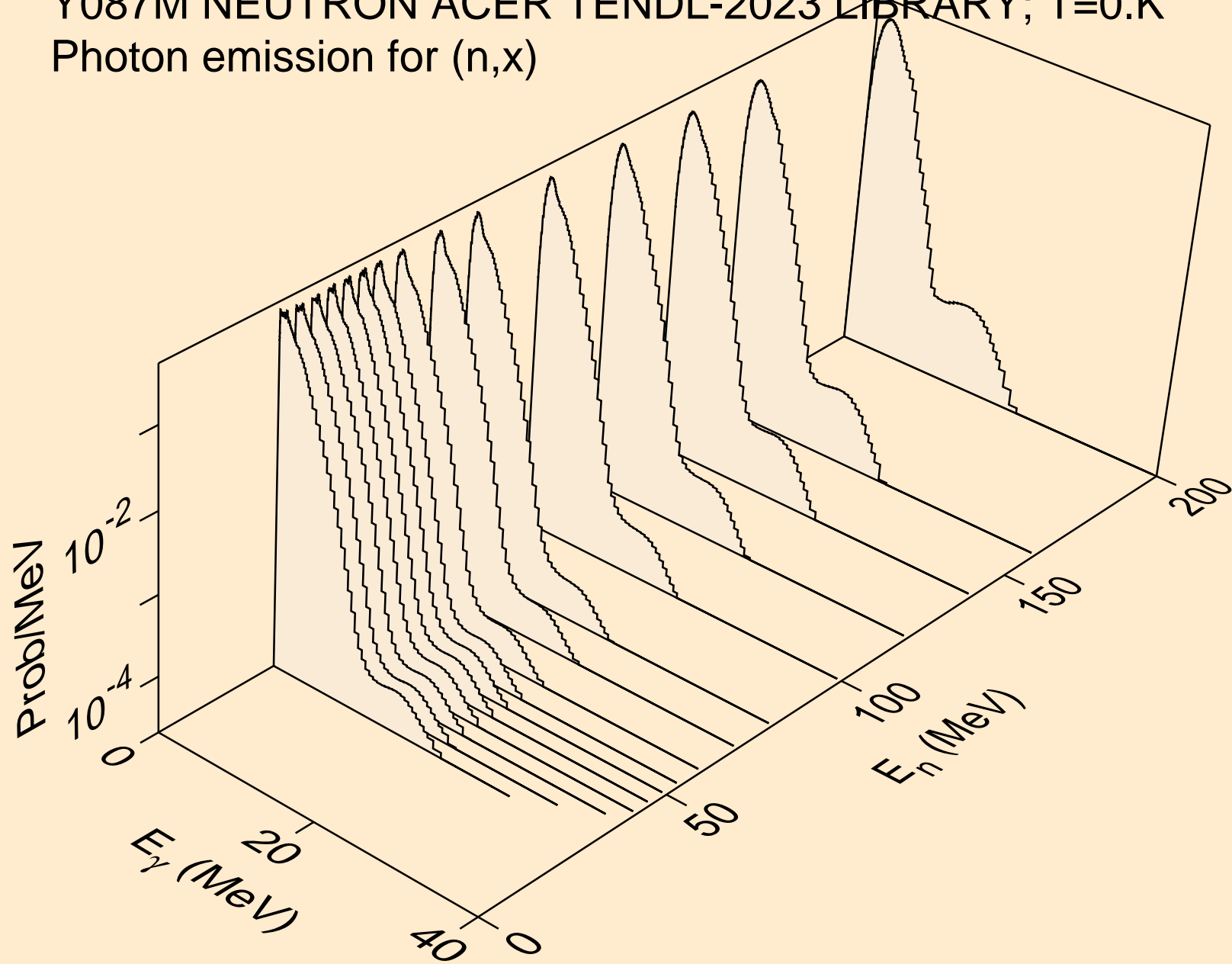


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Neutron emission for (n,n\*c)

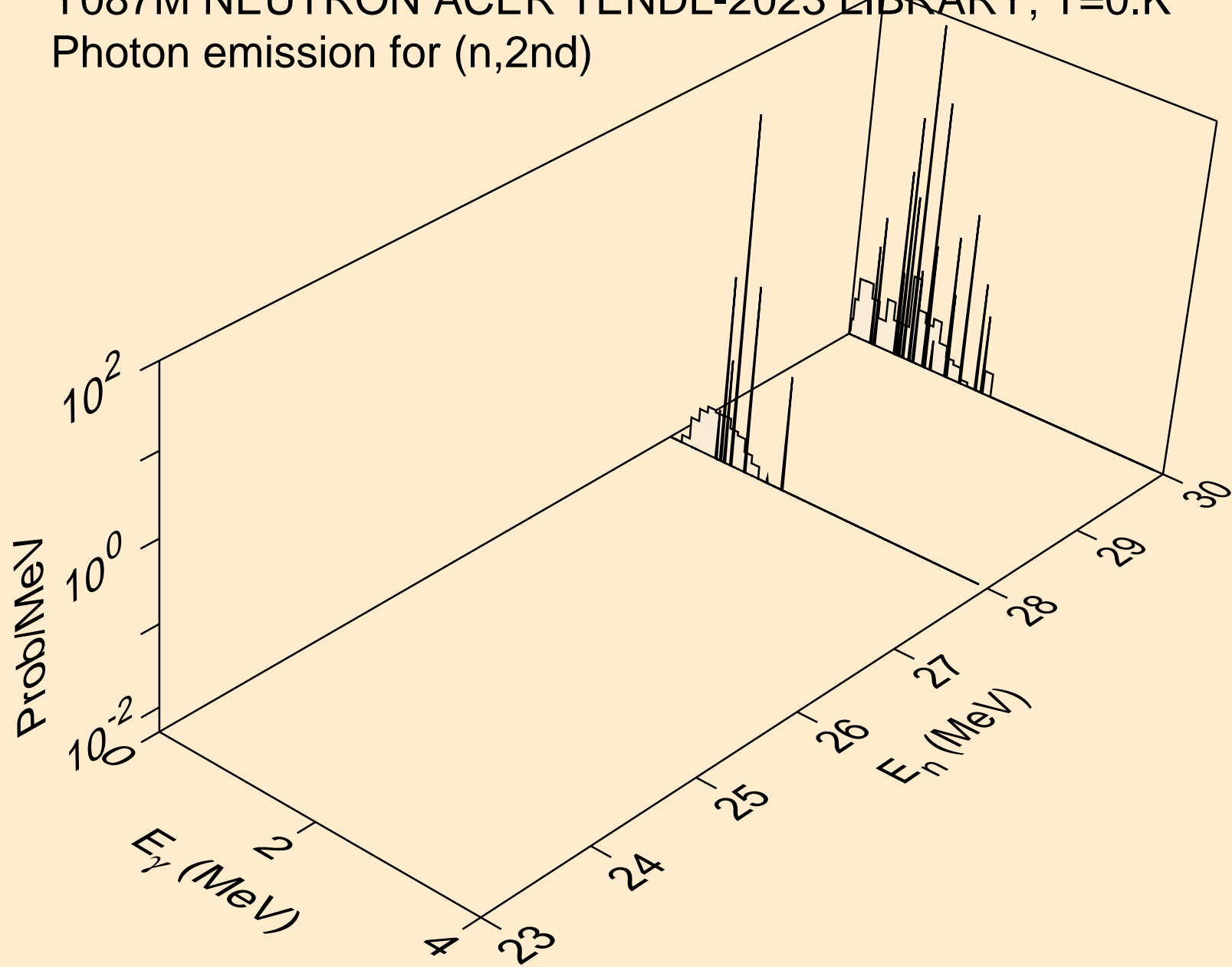




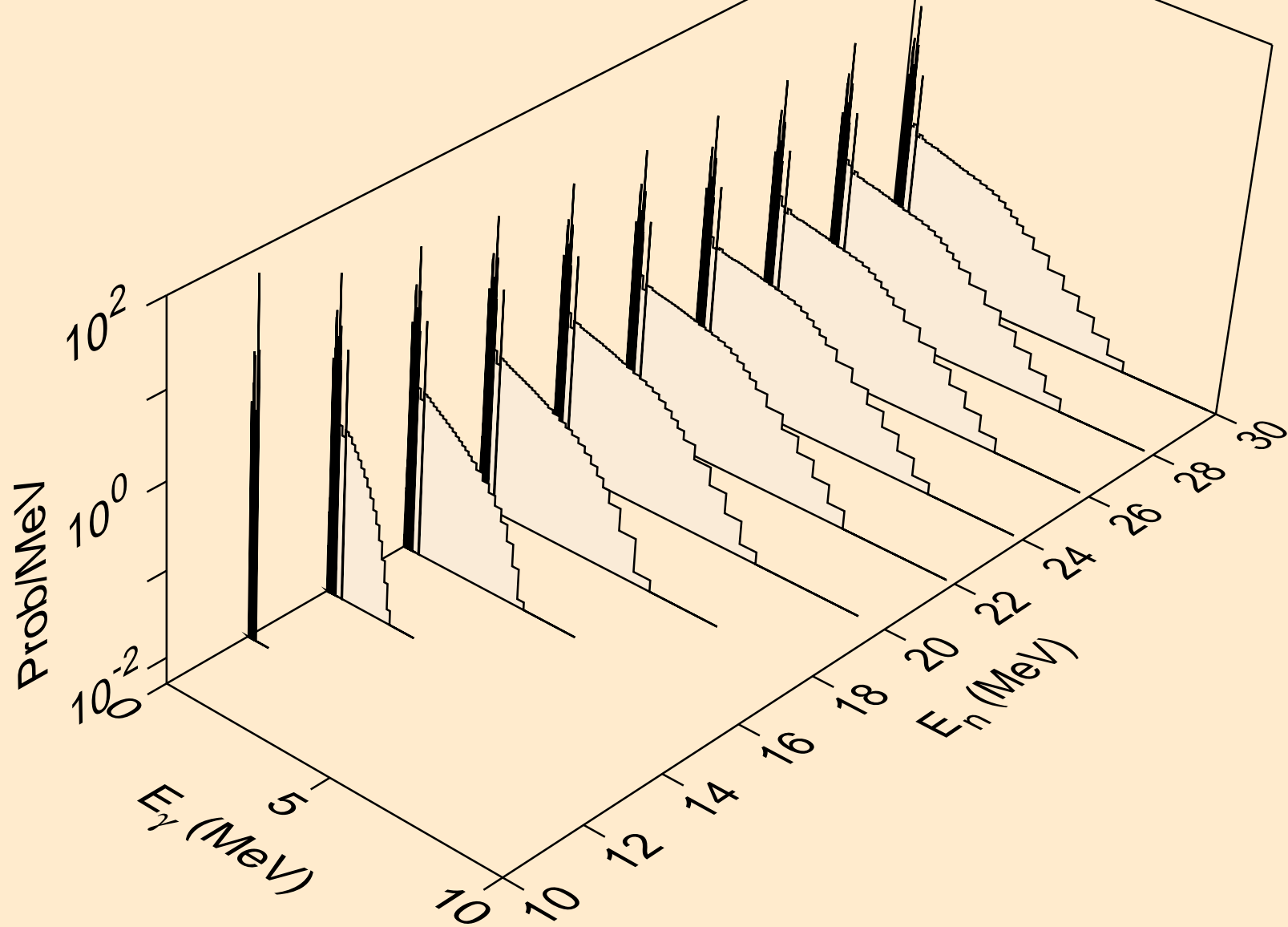
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Photon emission for (n,x)



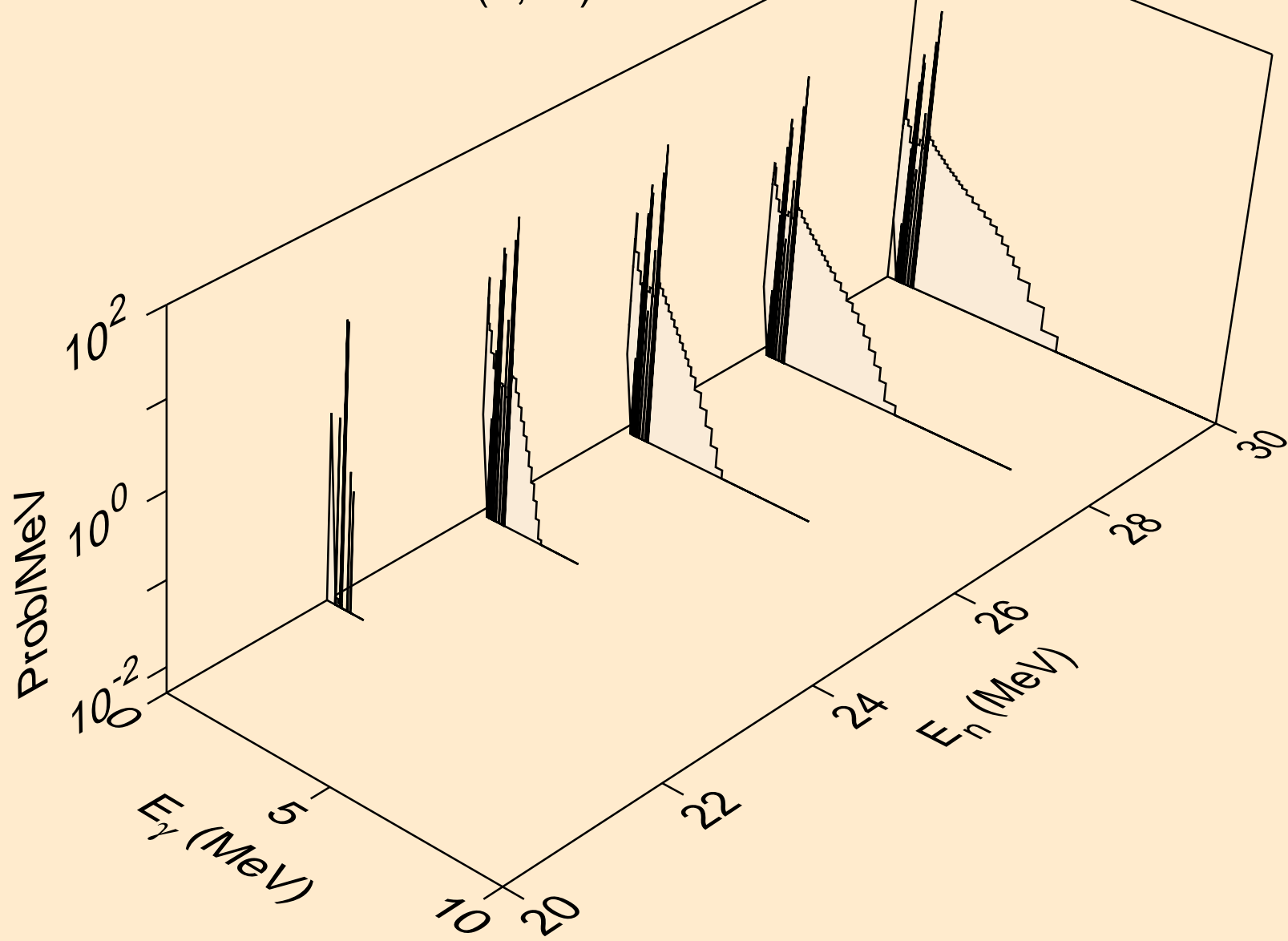
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Photon emission for (n,2nd)



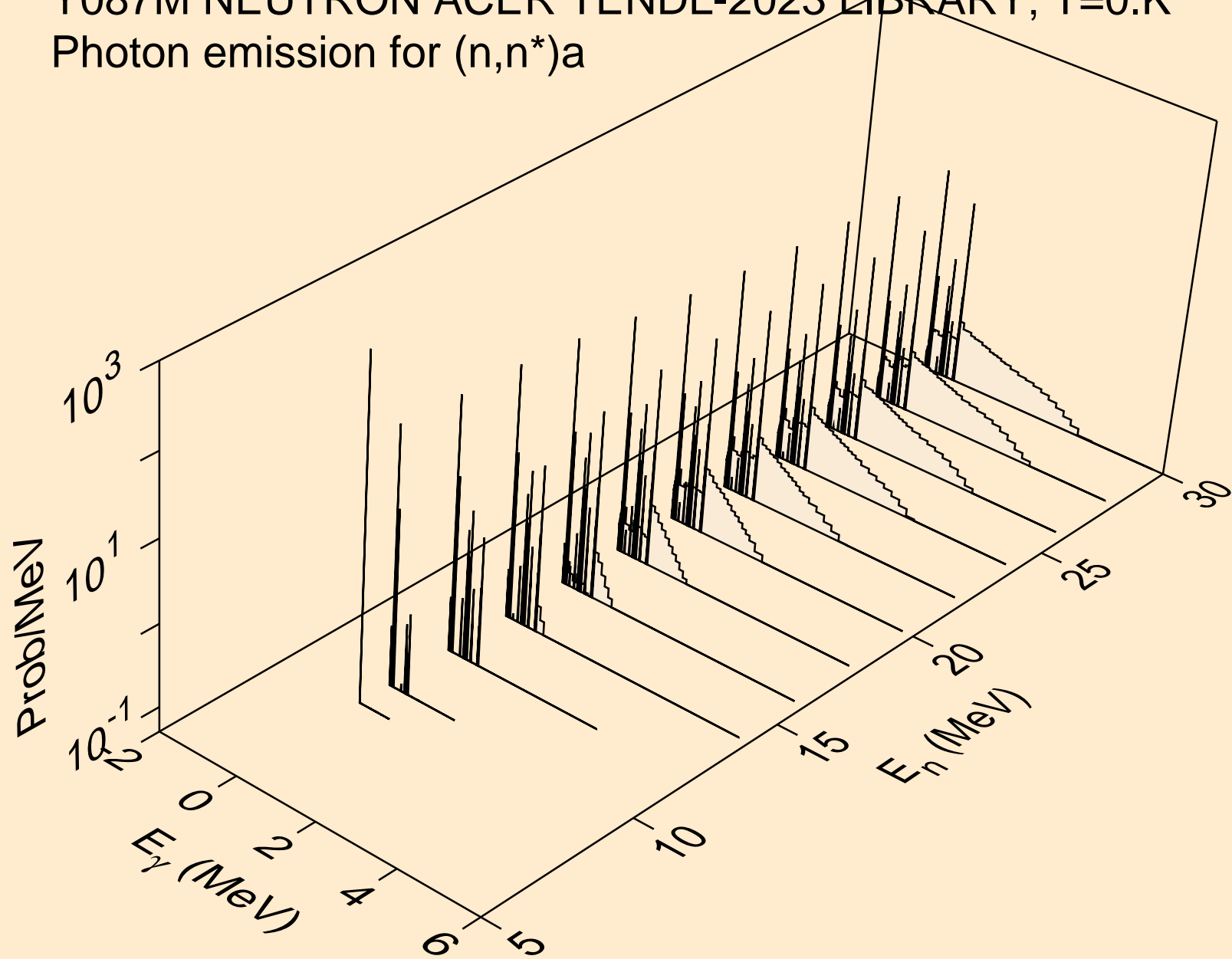
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Photon emission for (n,2n)



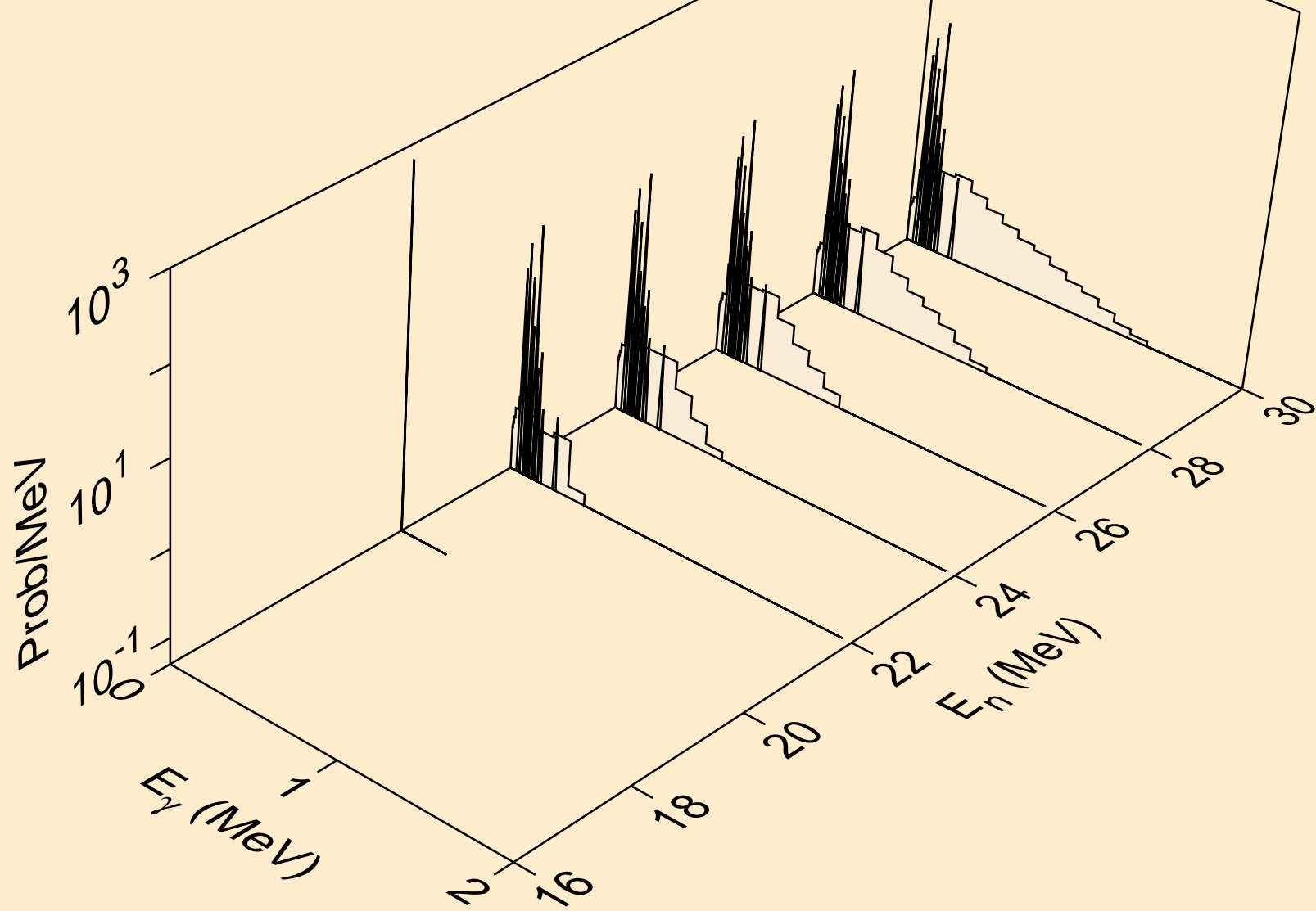
Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



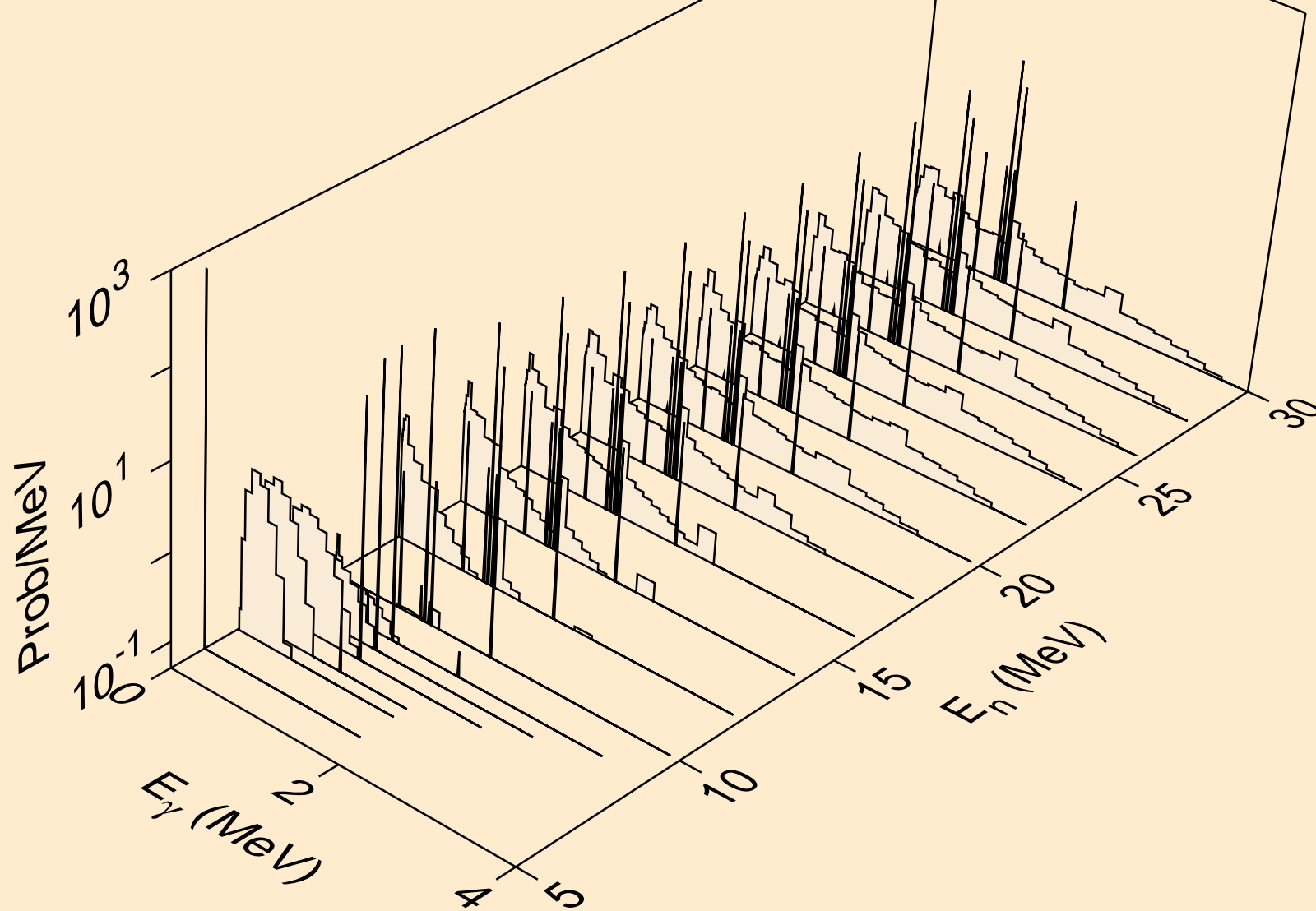
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Photon emission for (n,n\*)a



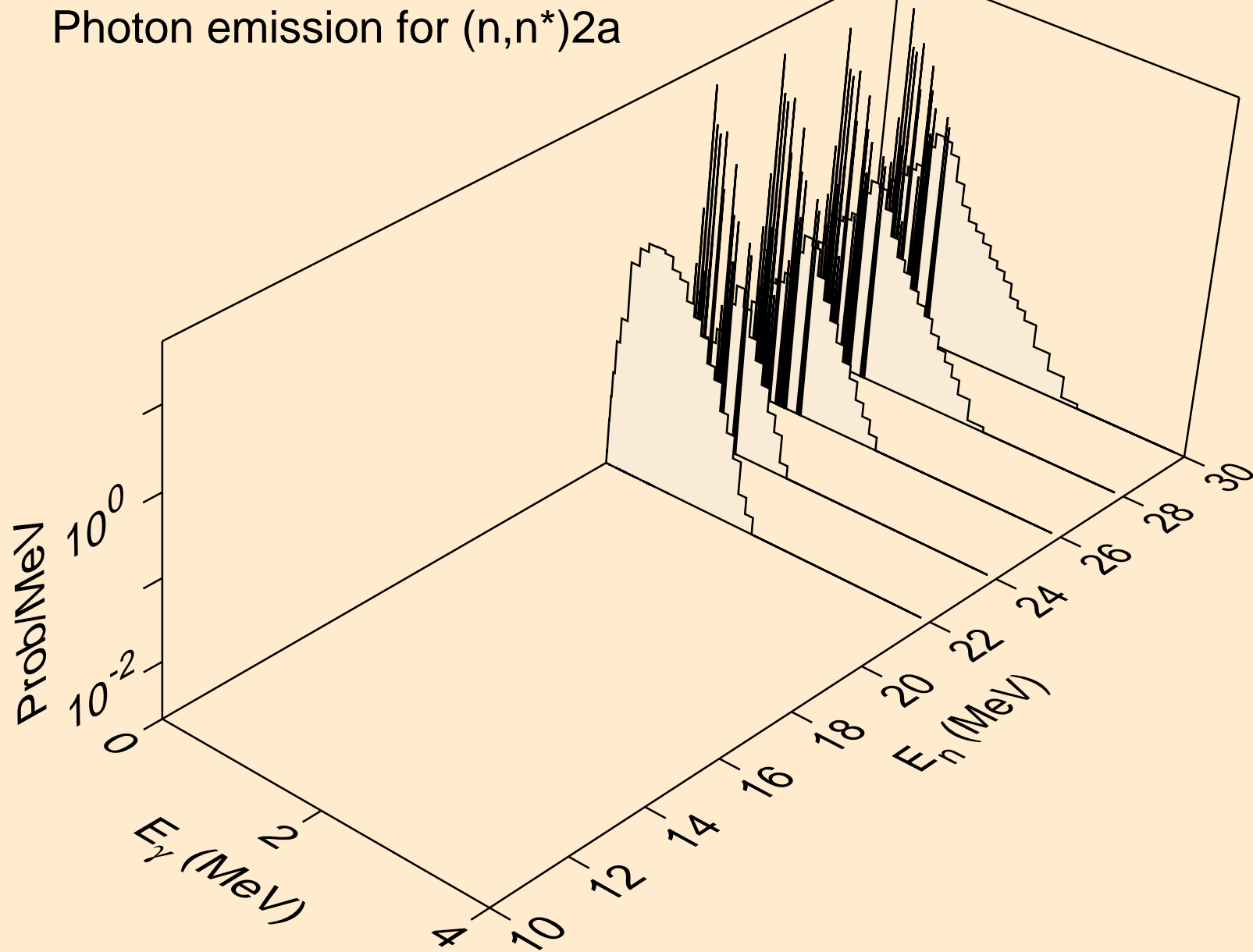
Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

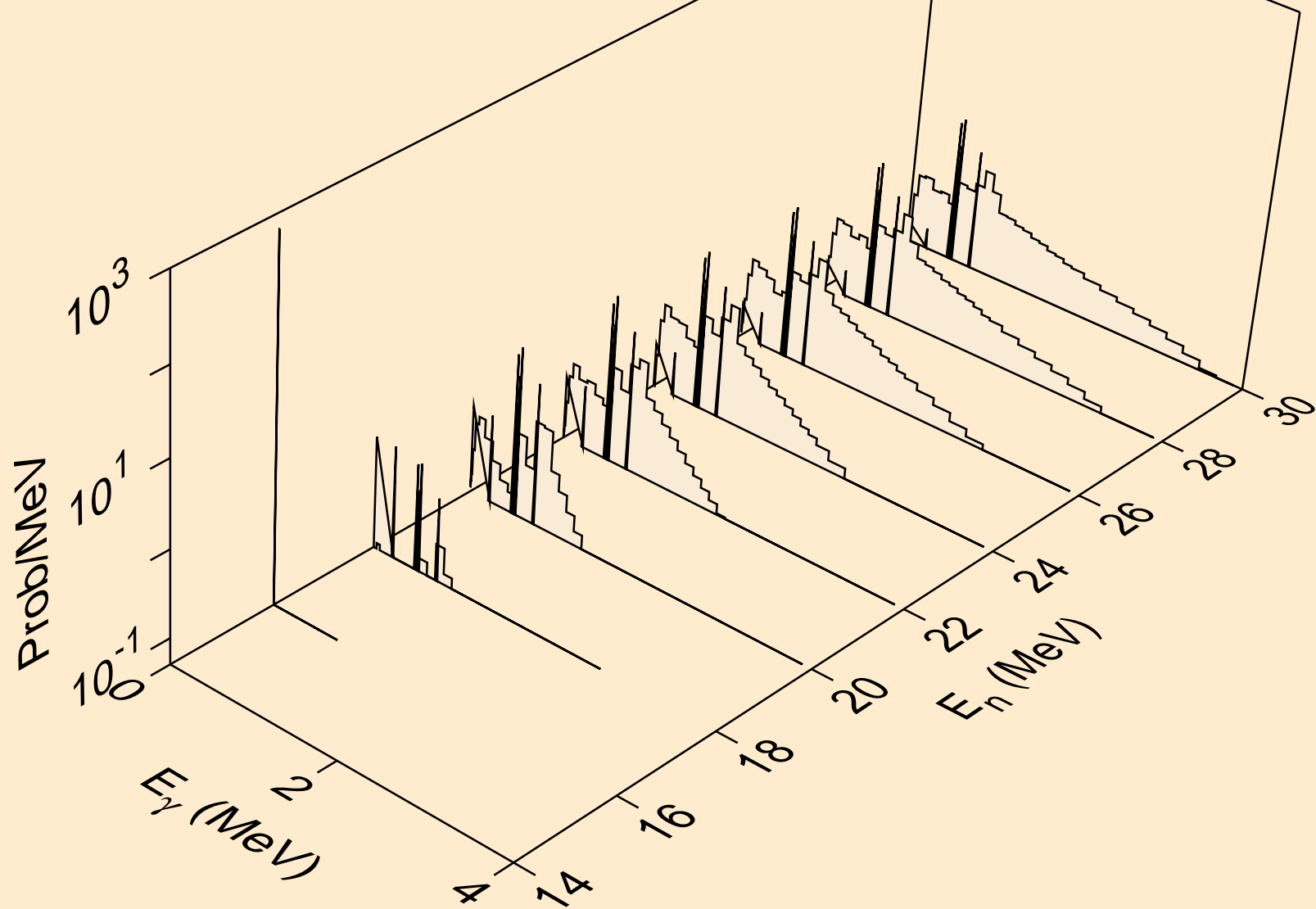


Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

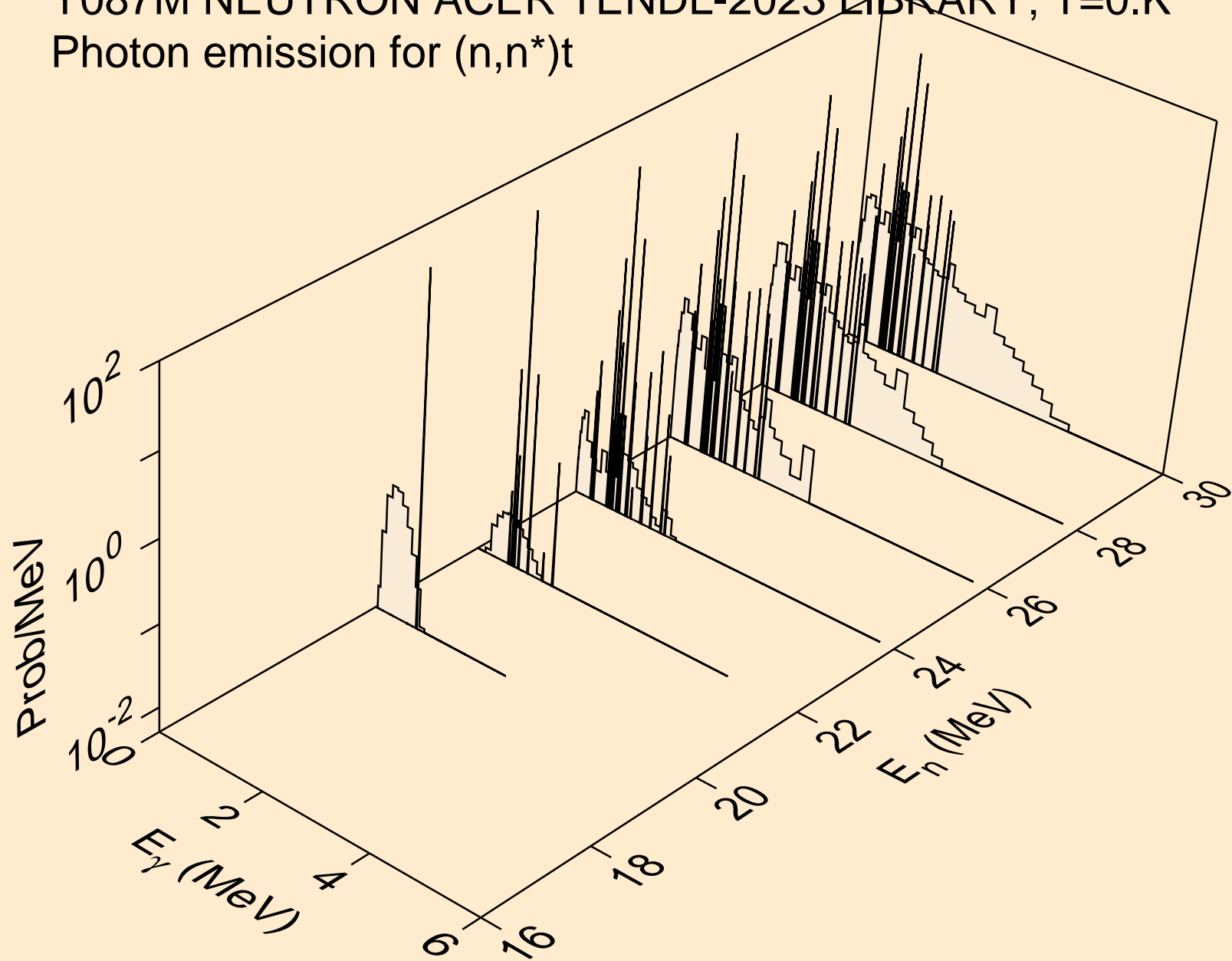




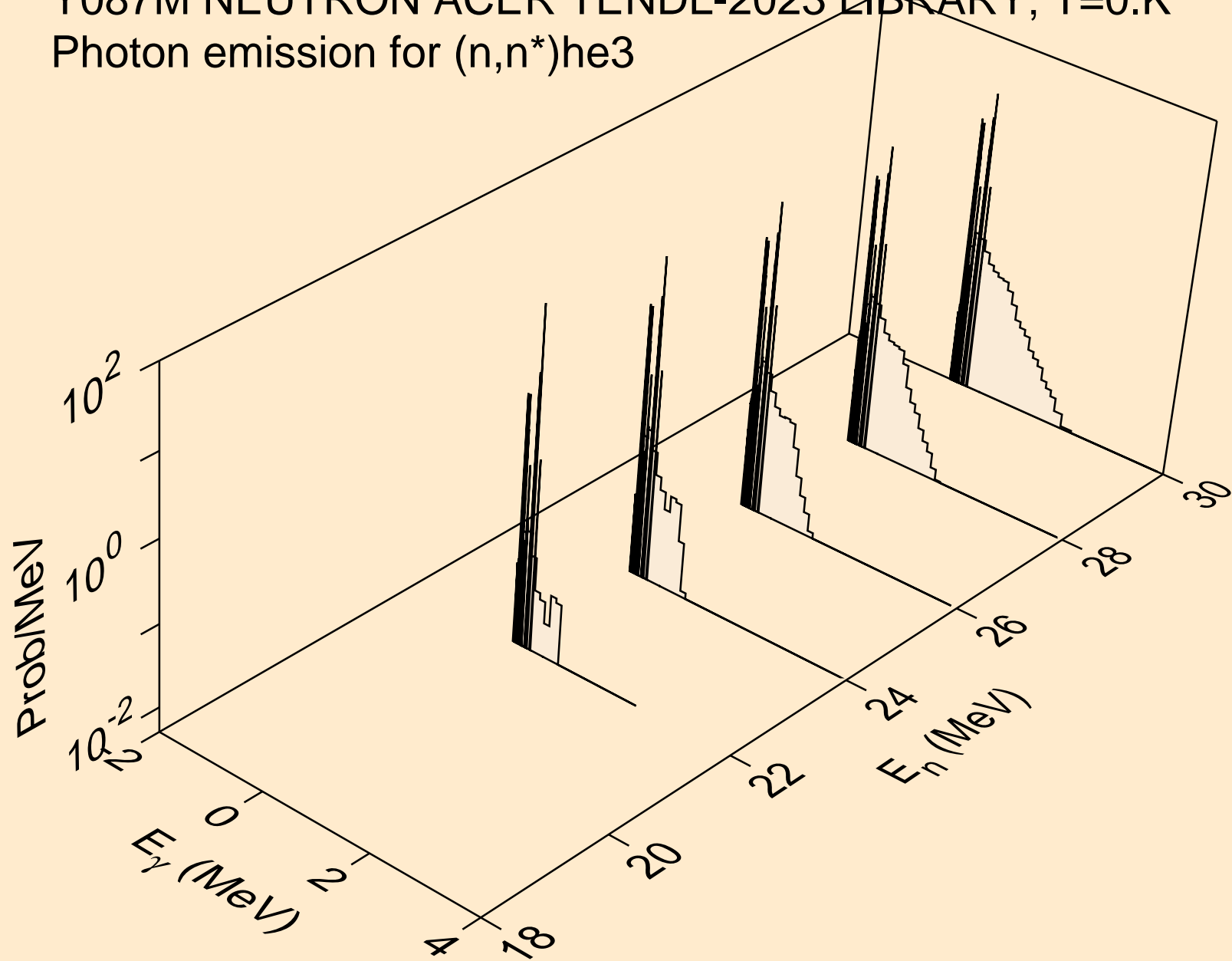
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Photon emission for (n,n\*)d



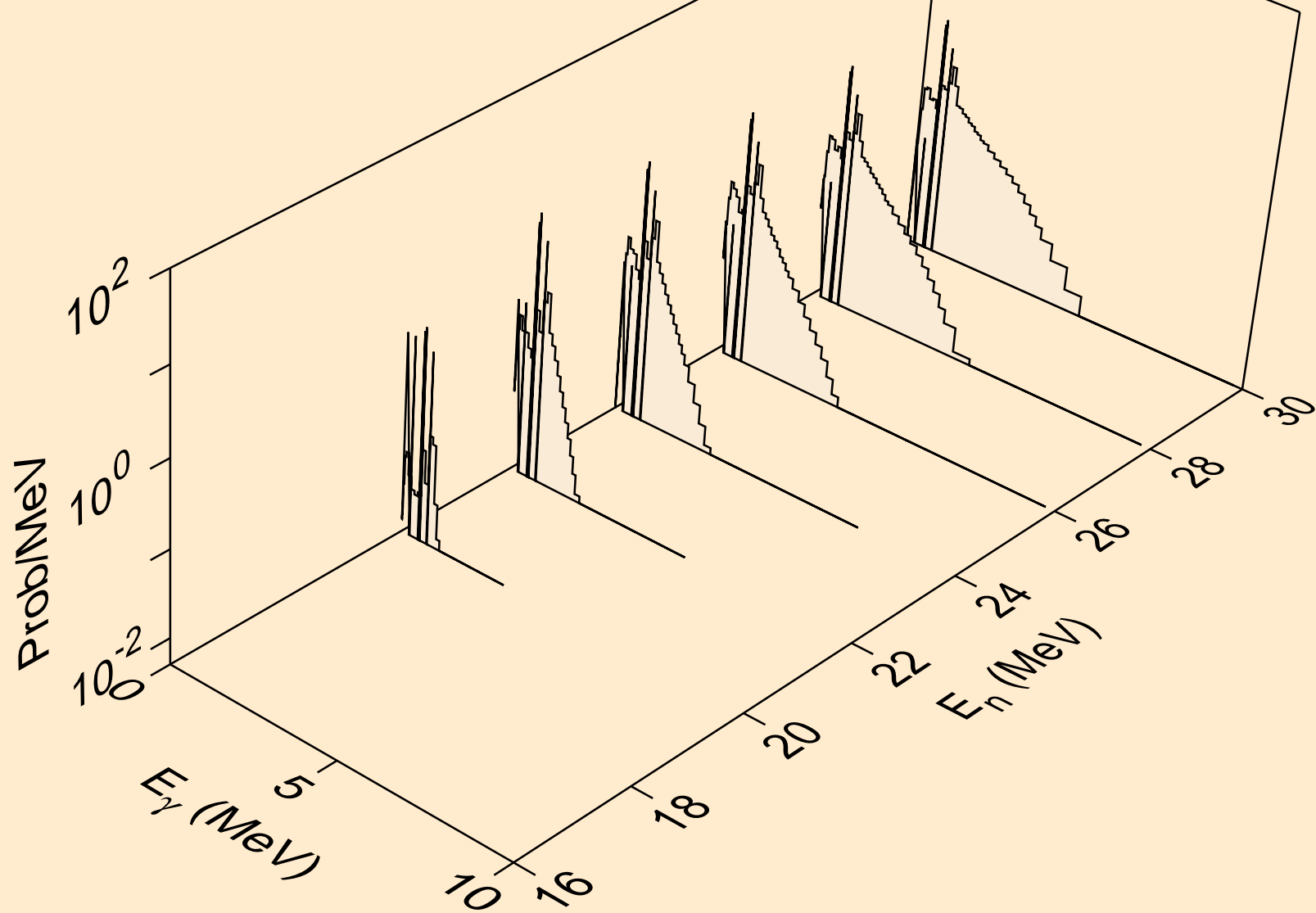
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Photon emission for (n,n\*)t



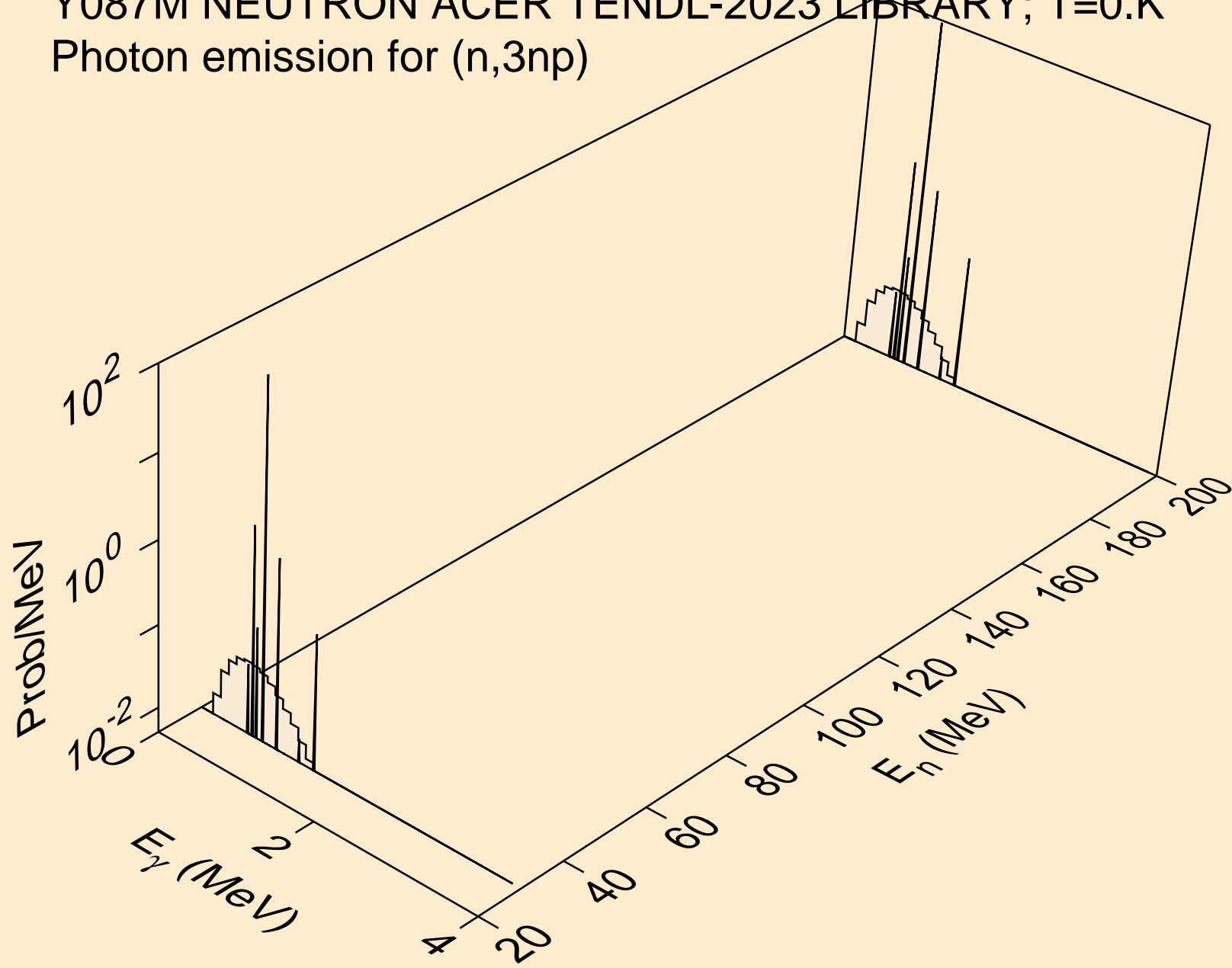
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Photon emission for (n,n\*)he3



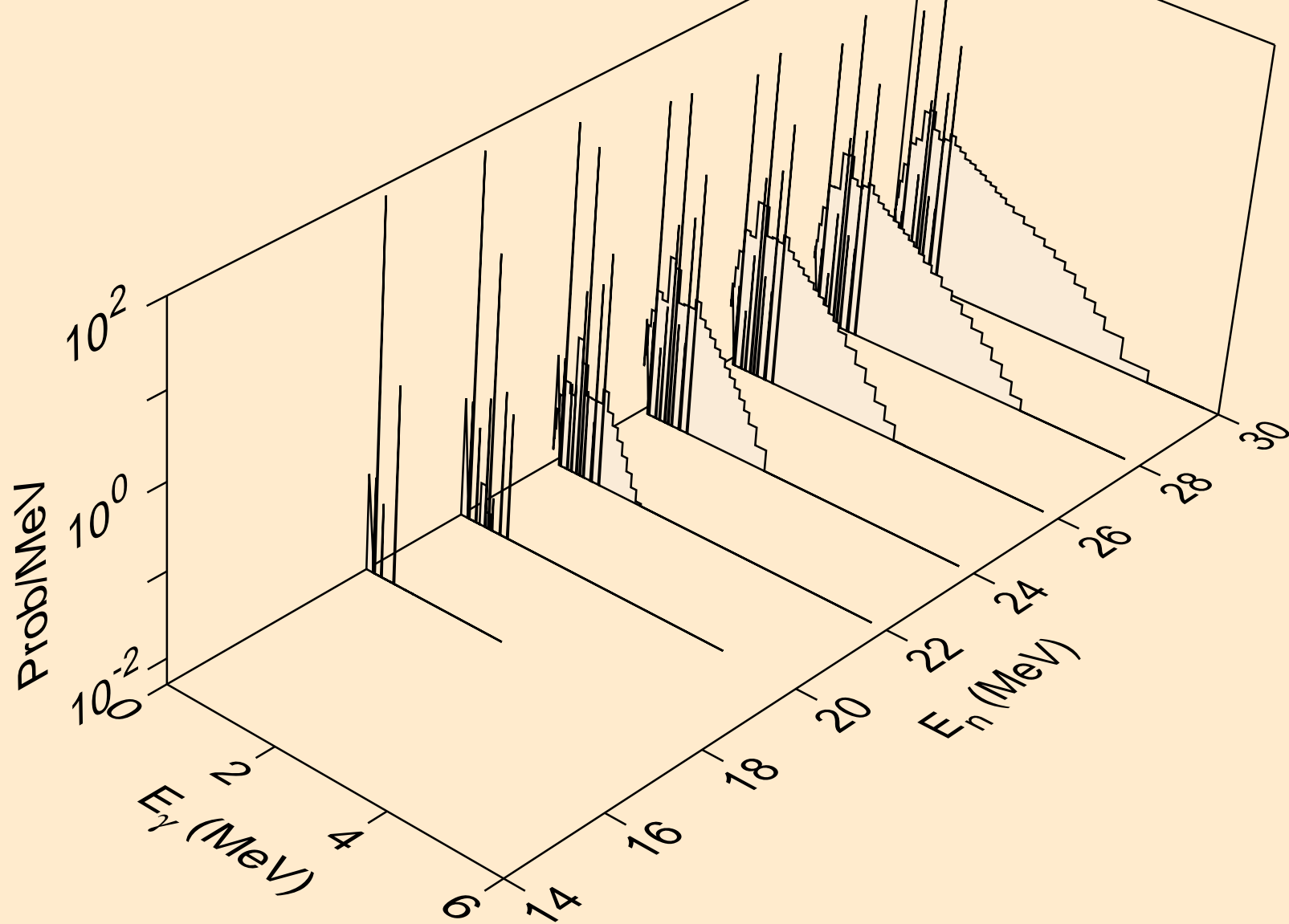
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Photon emission for (n,2np)



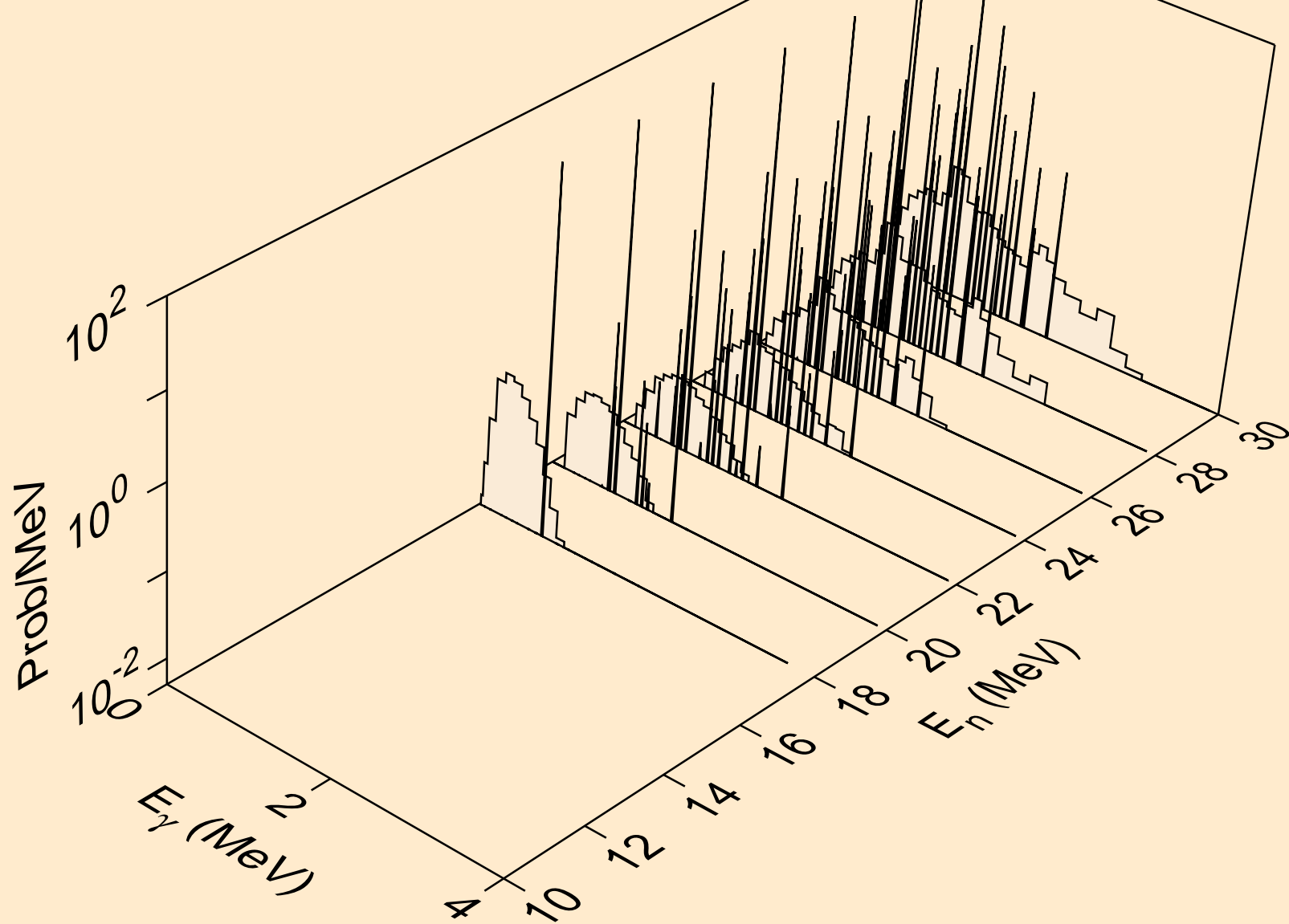
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Photon emission for (n,3np)



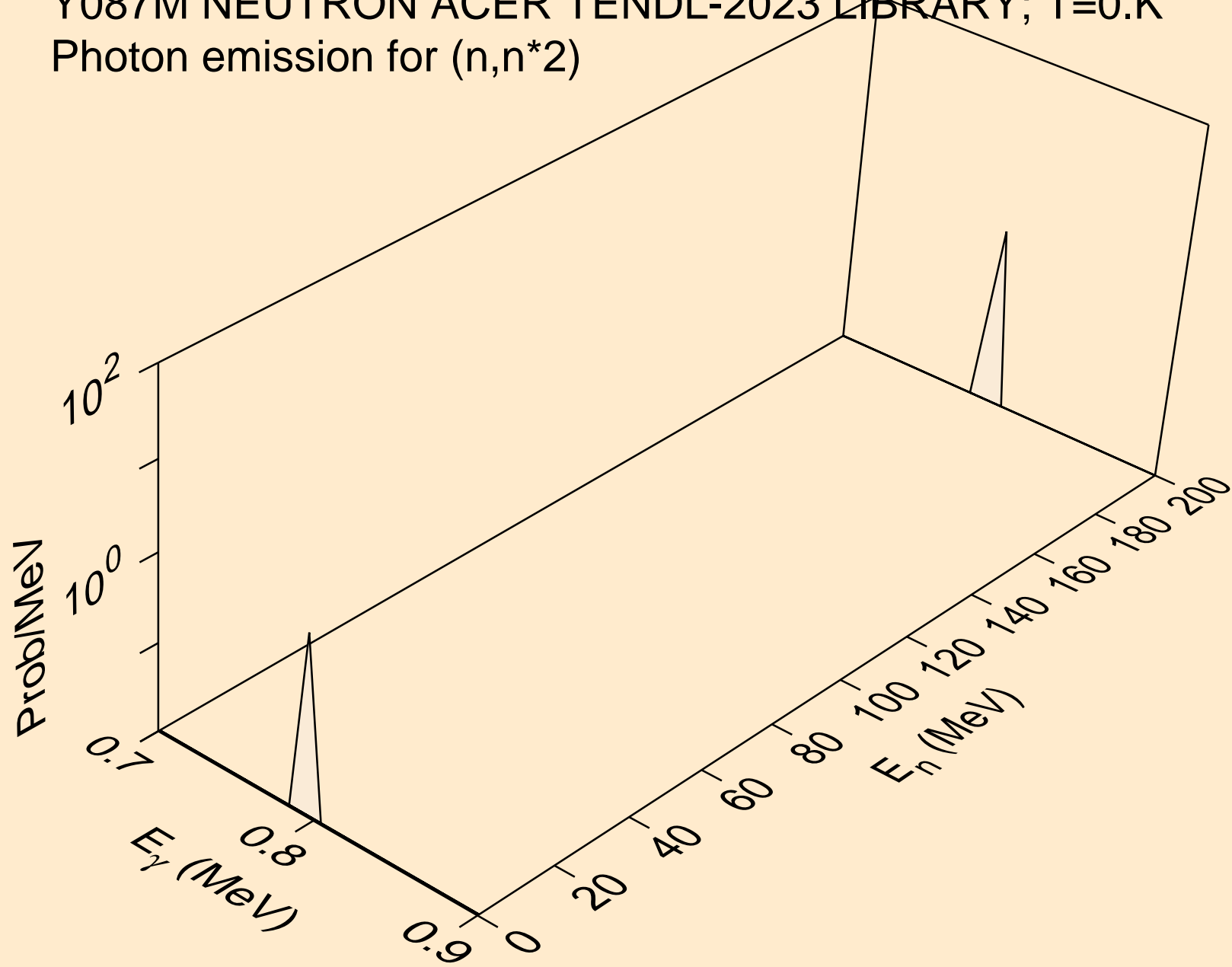
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Photon emission for (n,n2p)



Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)

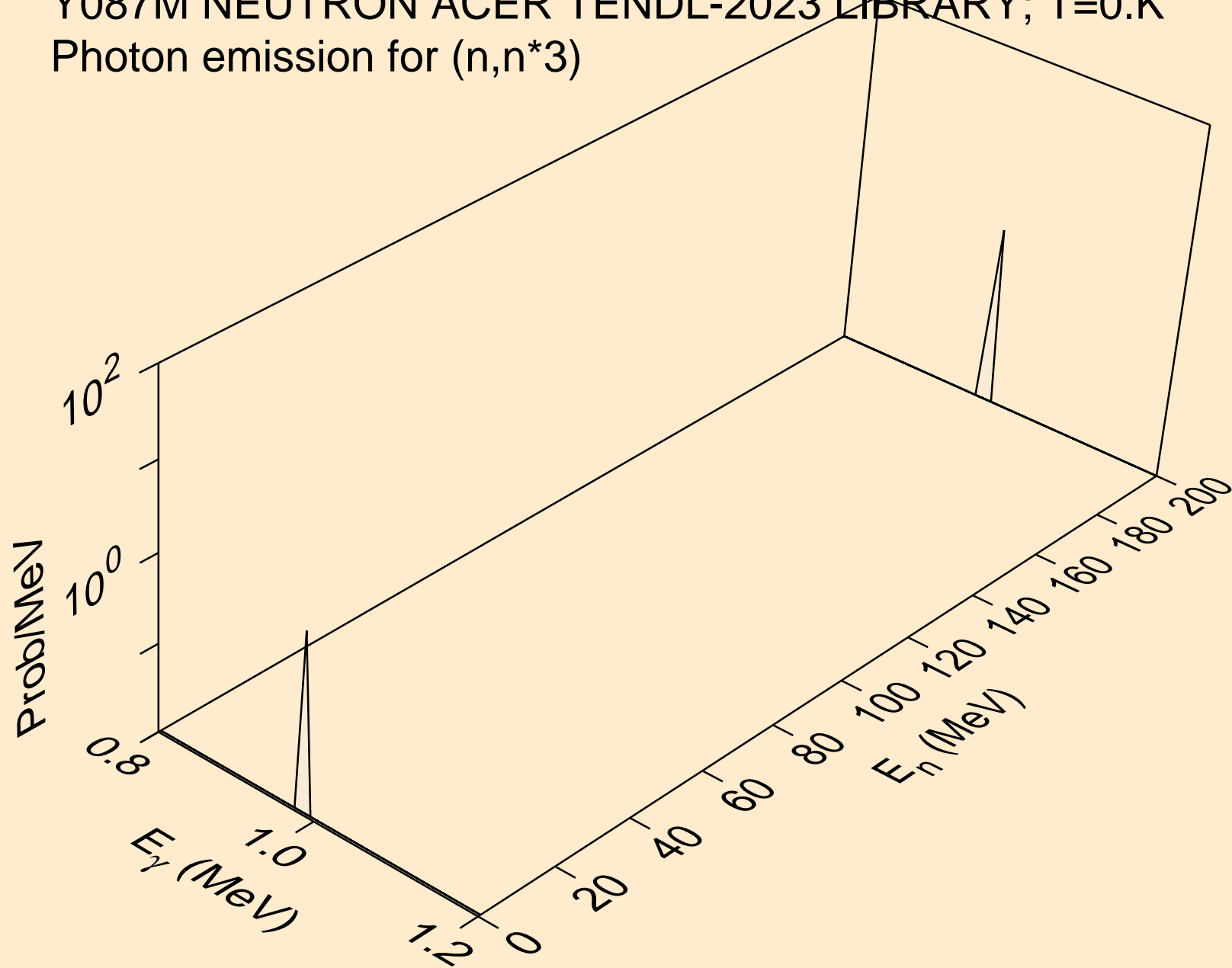


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Photon emission for (n,n\*2)

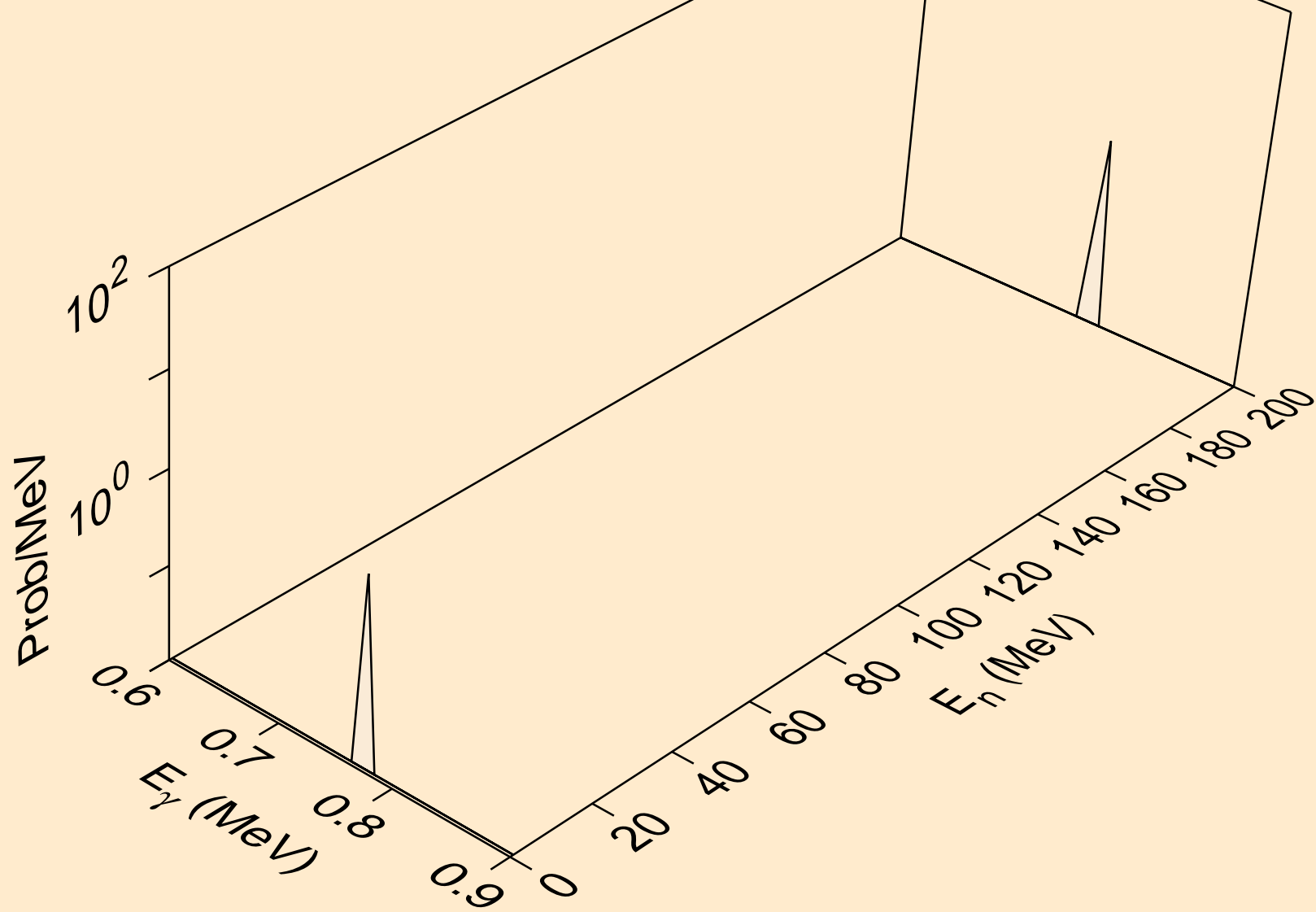




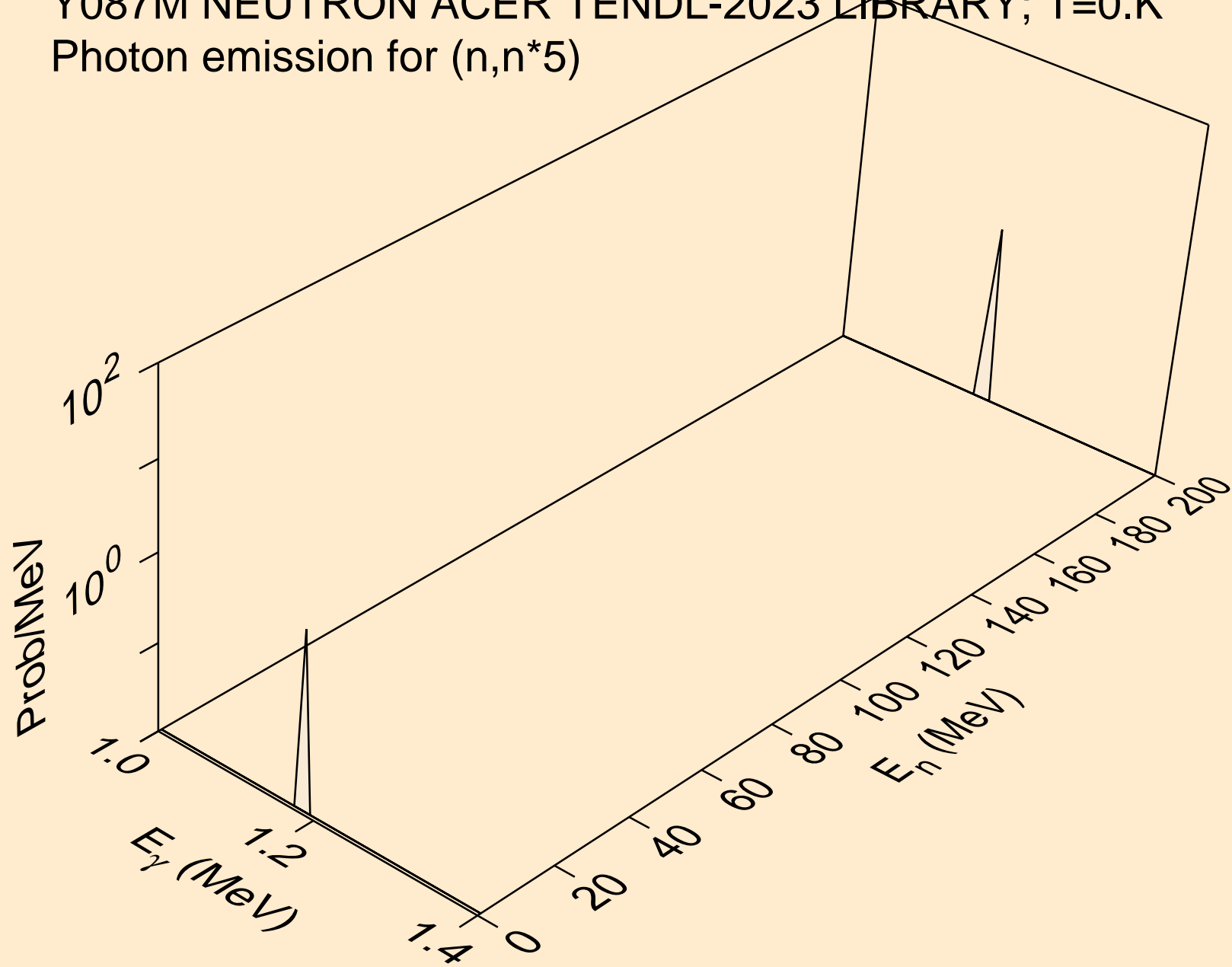
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Photon emission for (n,n\*3)



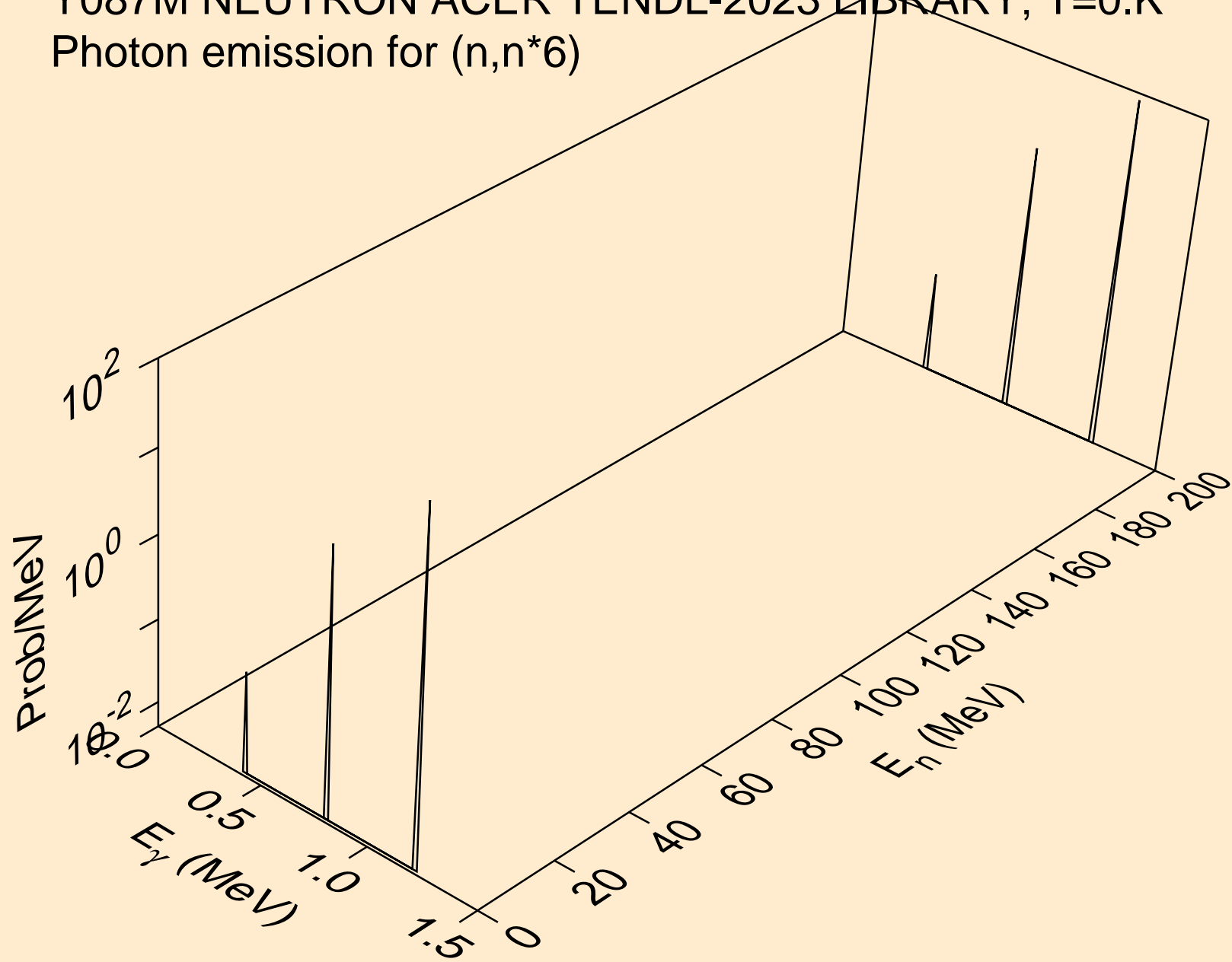
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Photon emission for (n,n\*4)



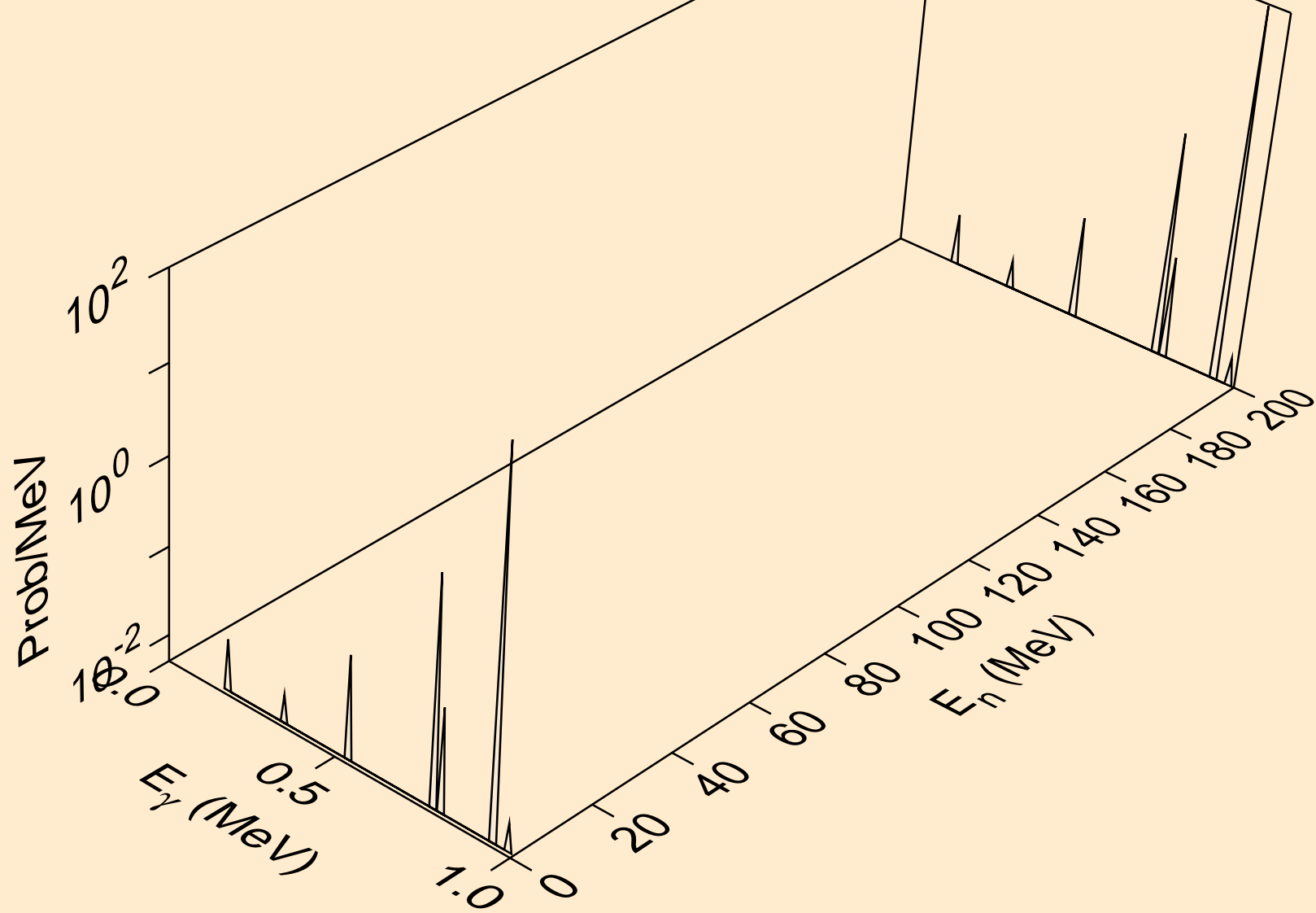
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Photon emission for (n,n\*5)



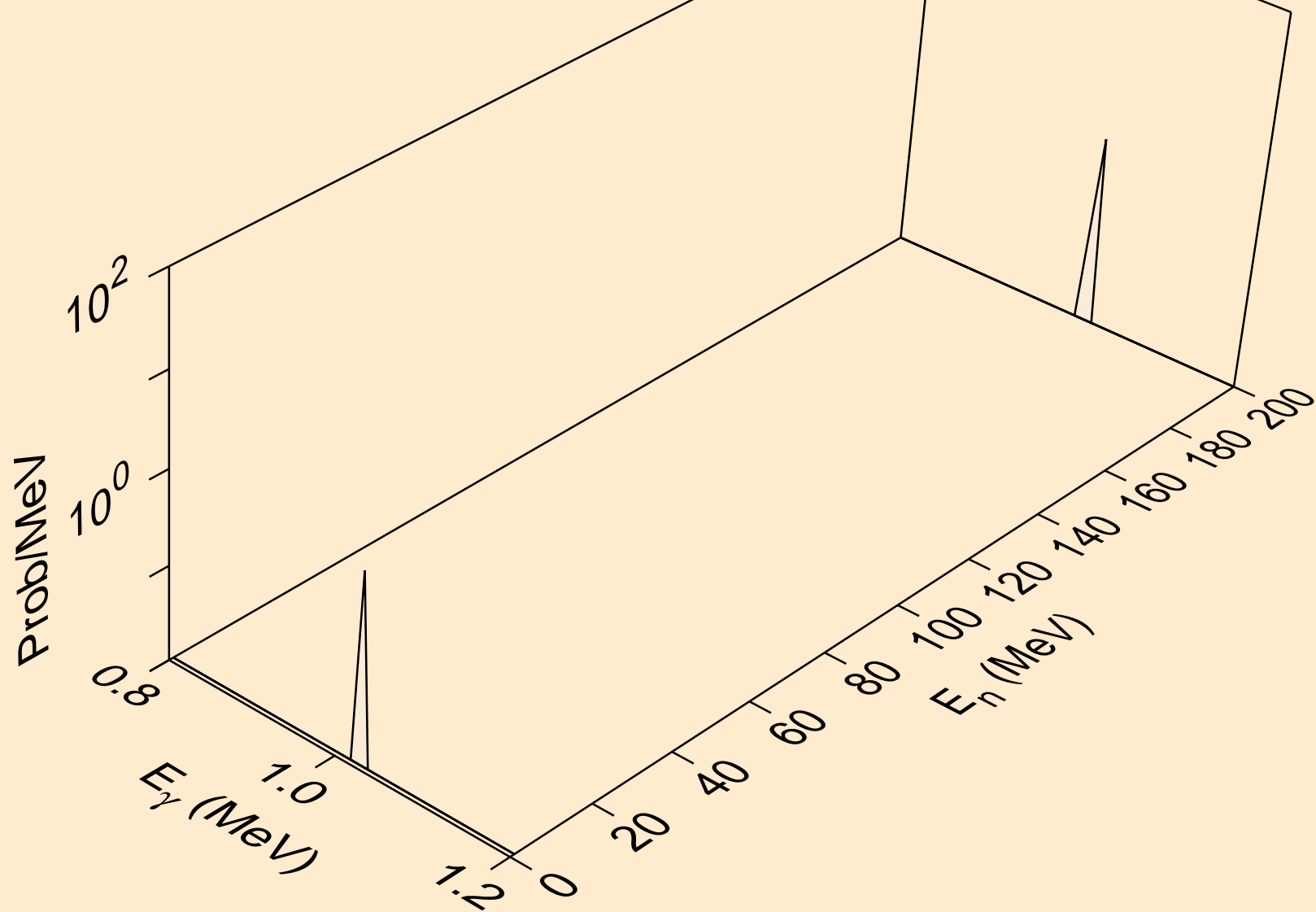
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Photon emission for (n,n\*6)



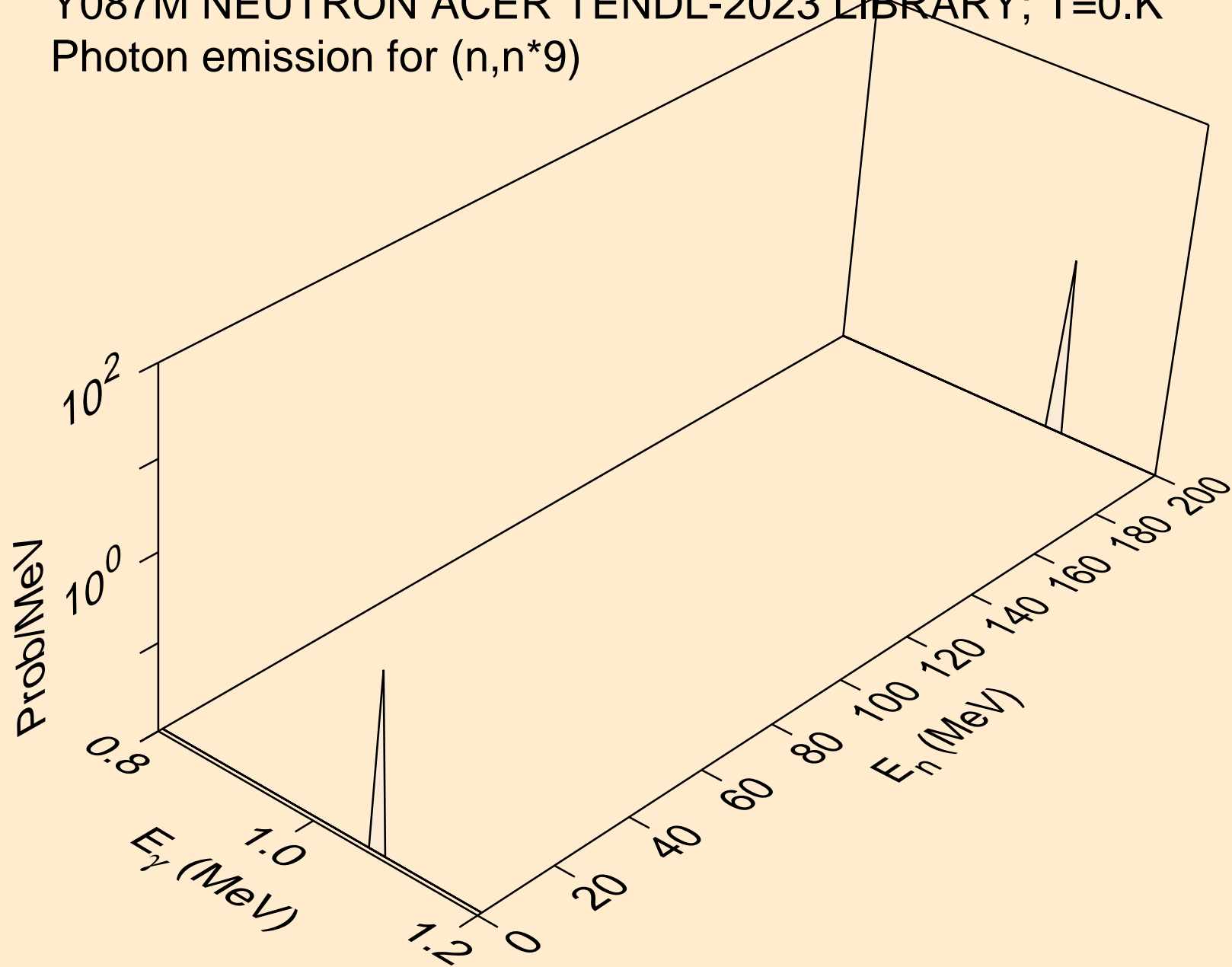
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Photon emission for (n,n\*7)



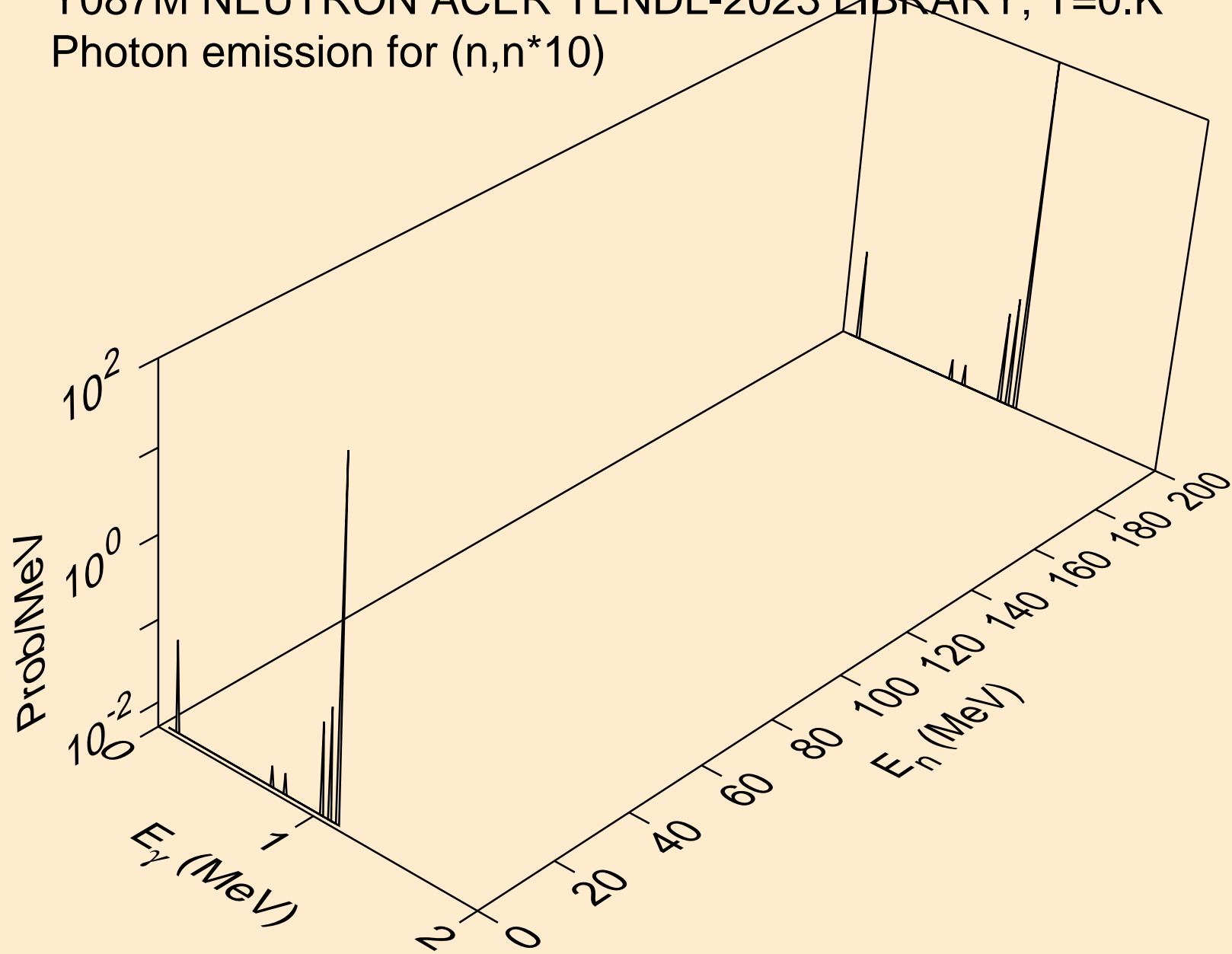
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Photon emission for (n,n\*8)



Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*9)

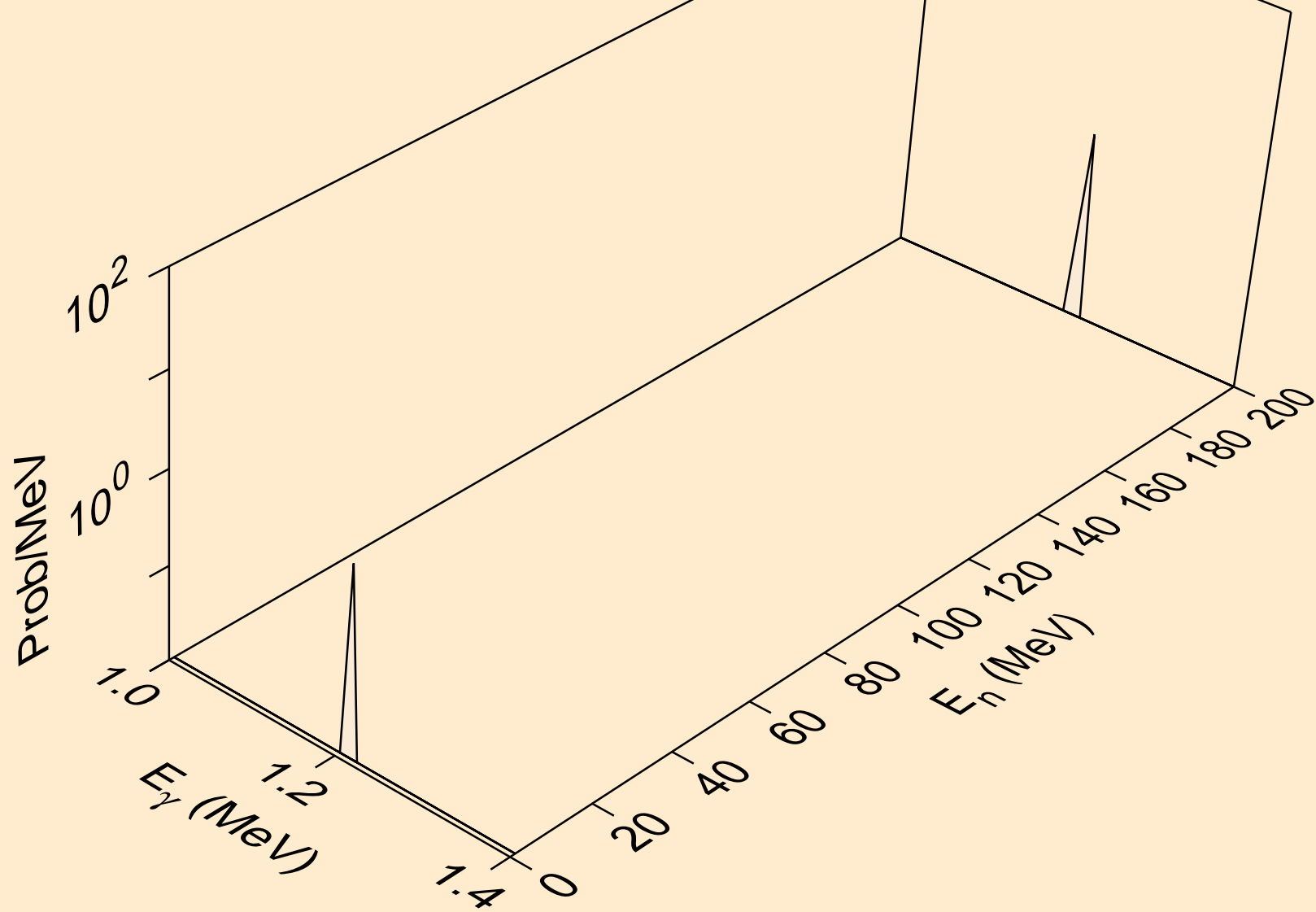


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Photon emission for (n,n\*10)

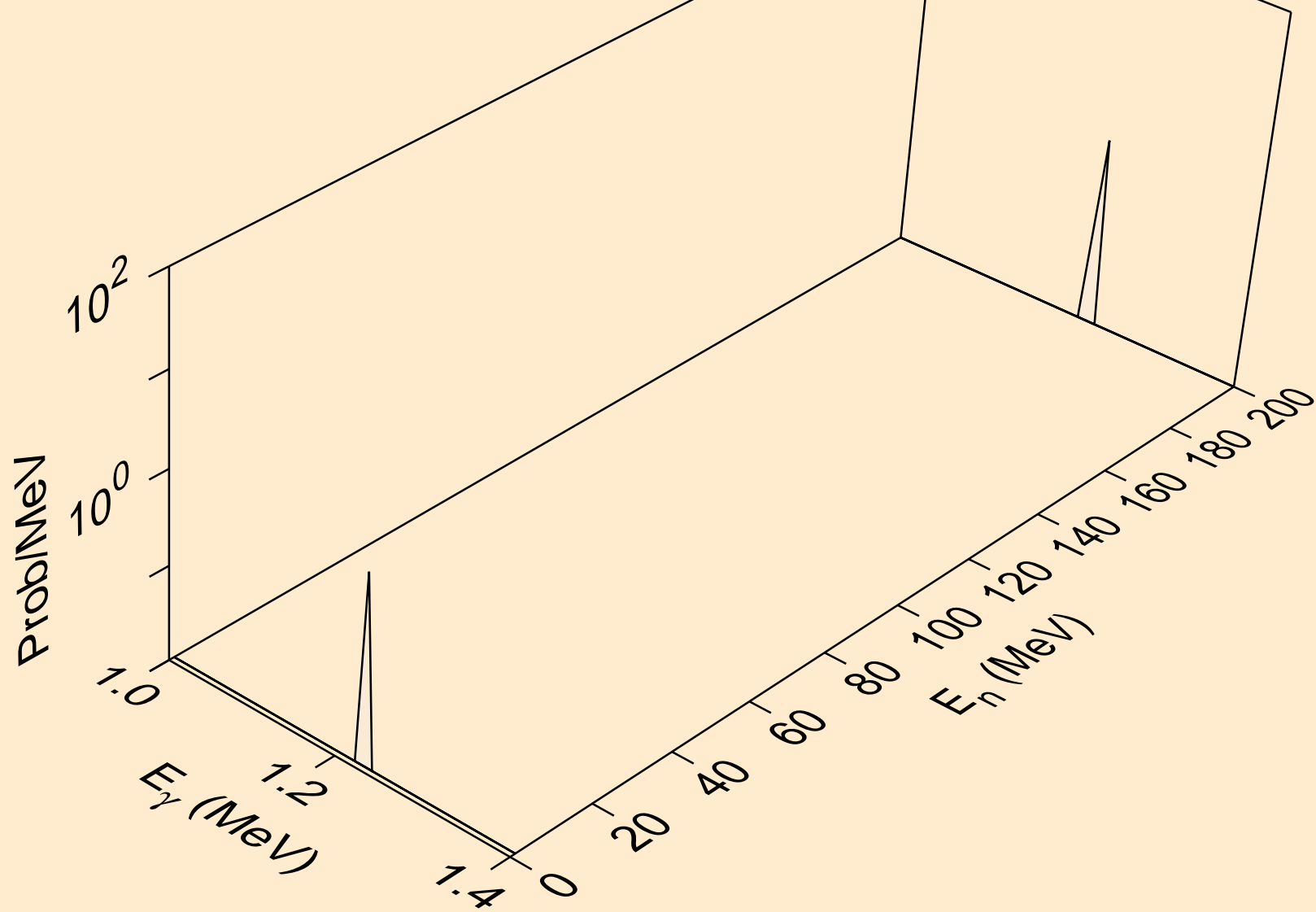




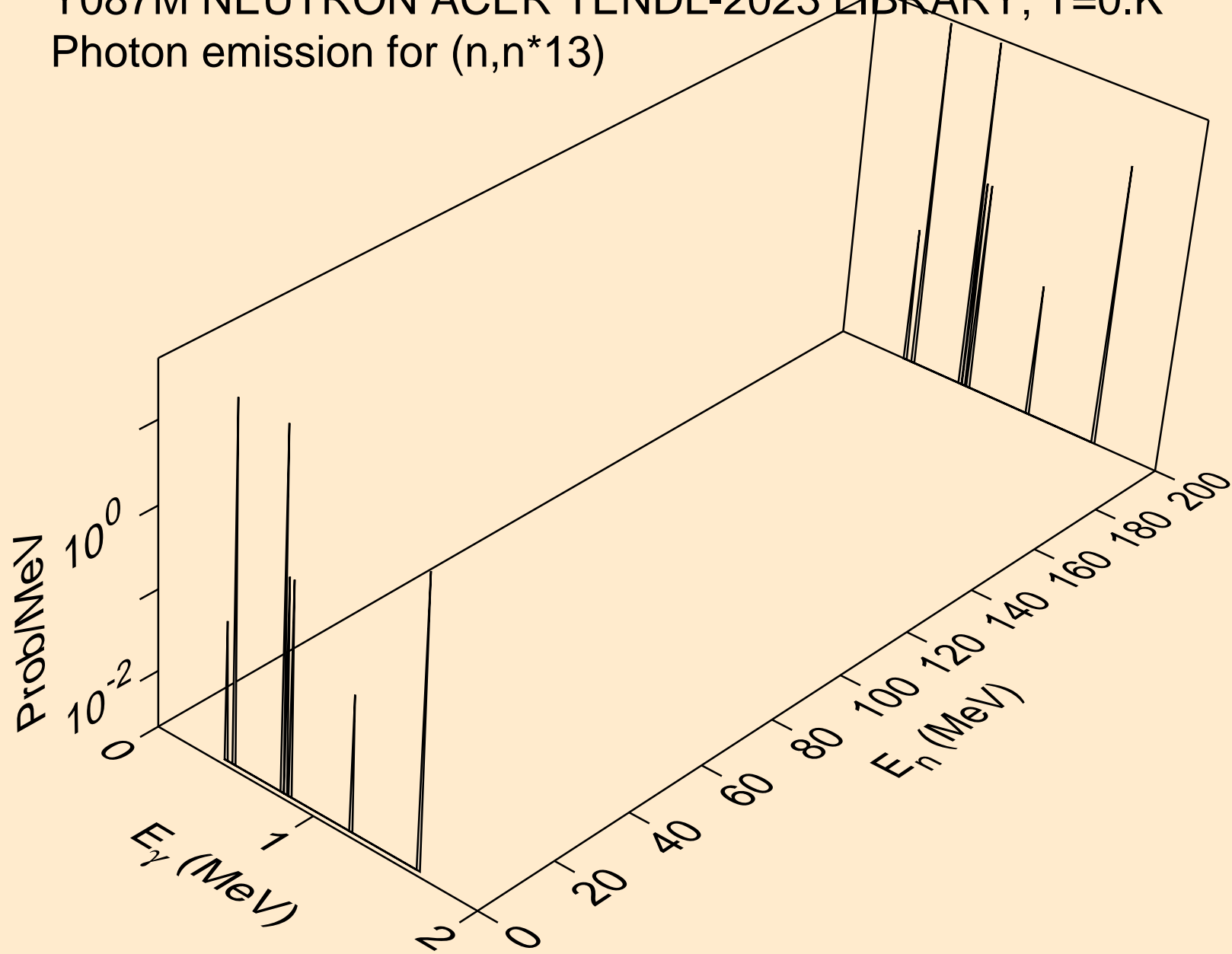
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Photon emission for (n,n\*11)



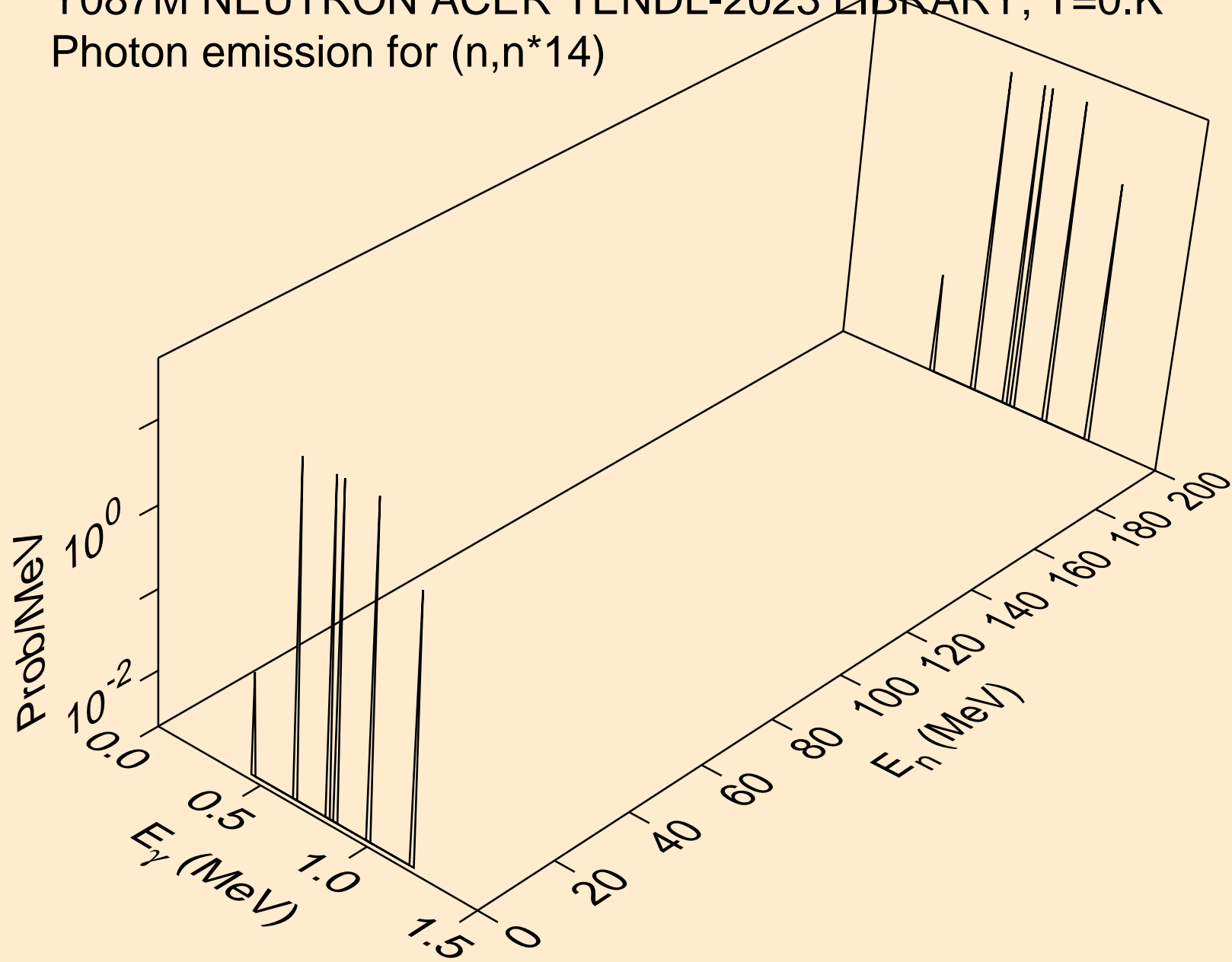
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Photon emission for (n,n\*12)



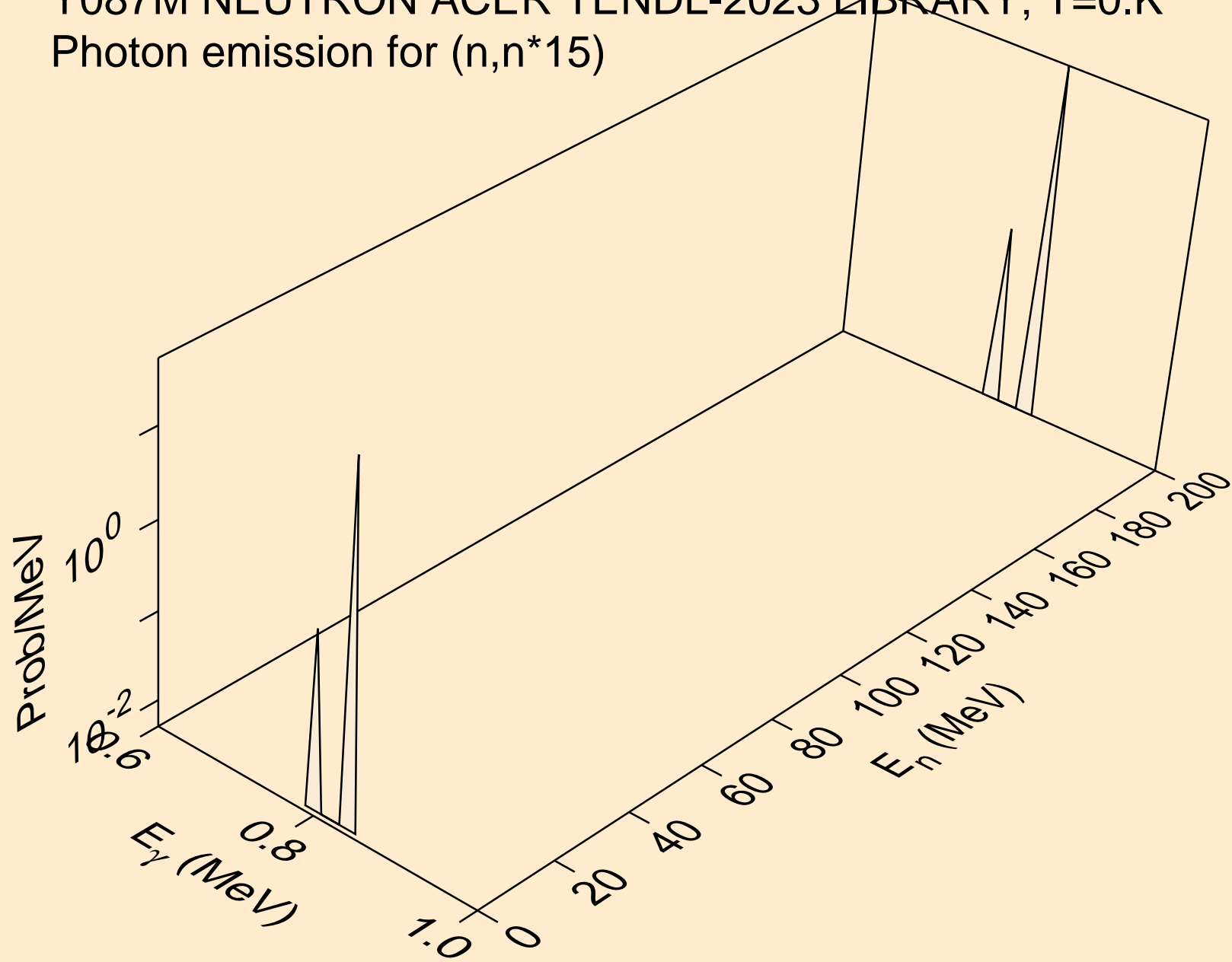
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Photon emission for (n,n\*13)



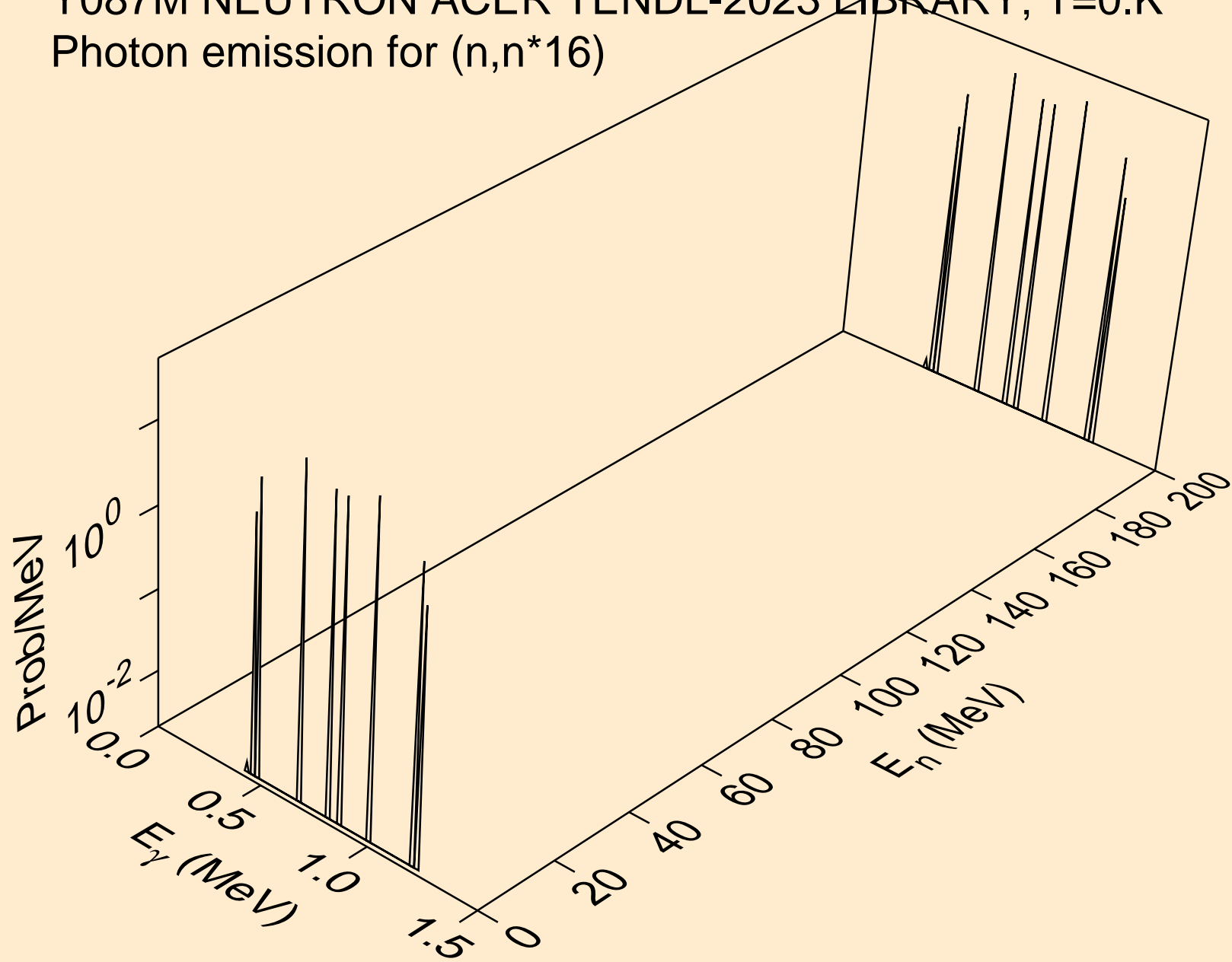
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Photon emission for (n,n\*14)



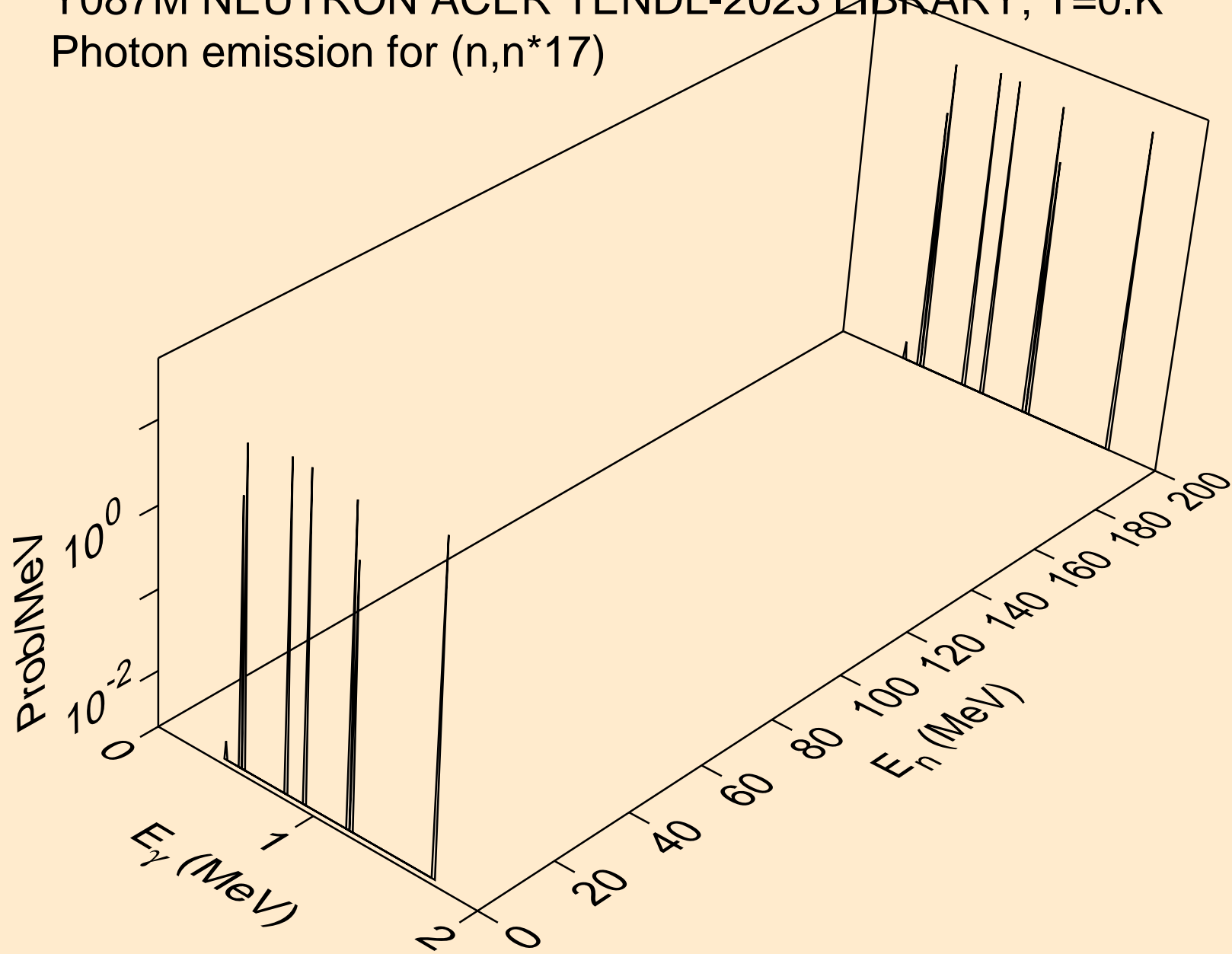
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Photon emission for (n,n\*15)



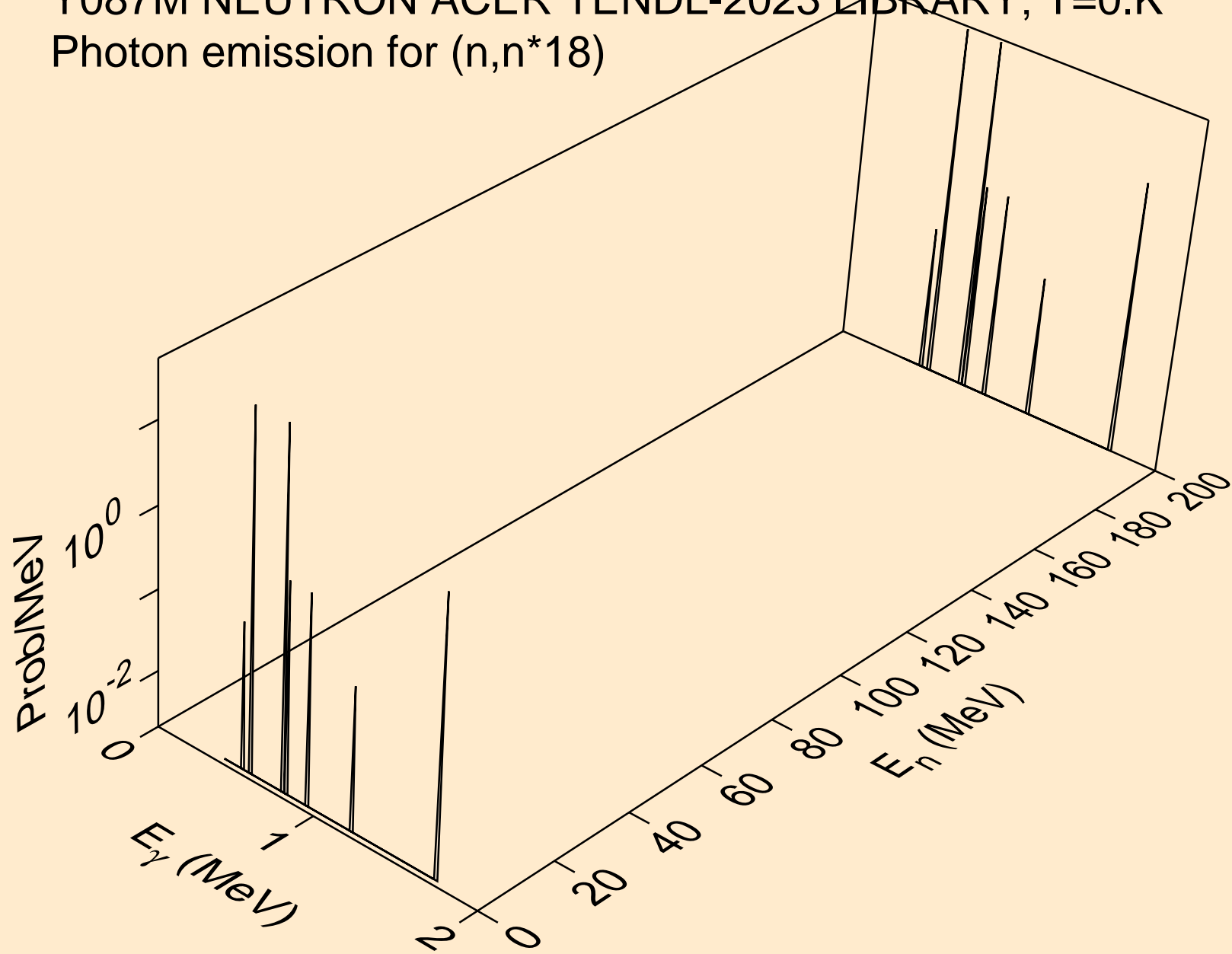
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Photon emission for (n,n\*16)



Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*17)

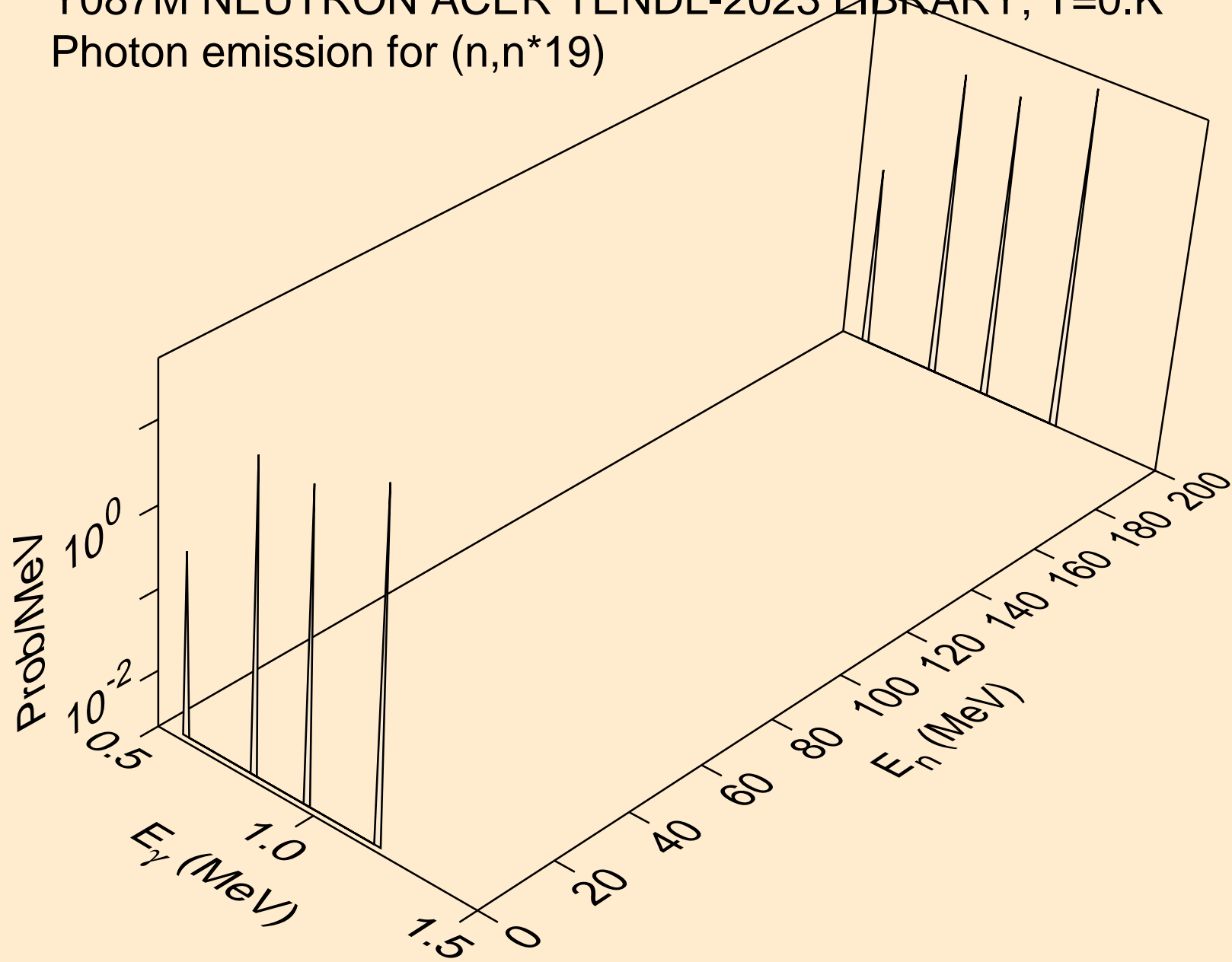


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Photon emission for (n,n\*18)

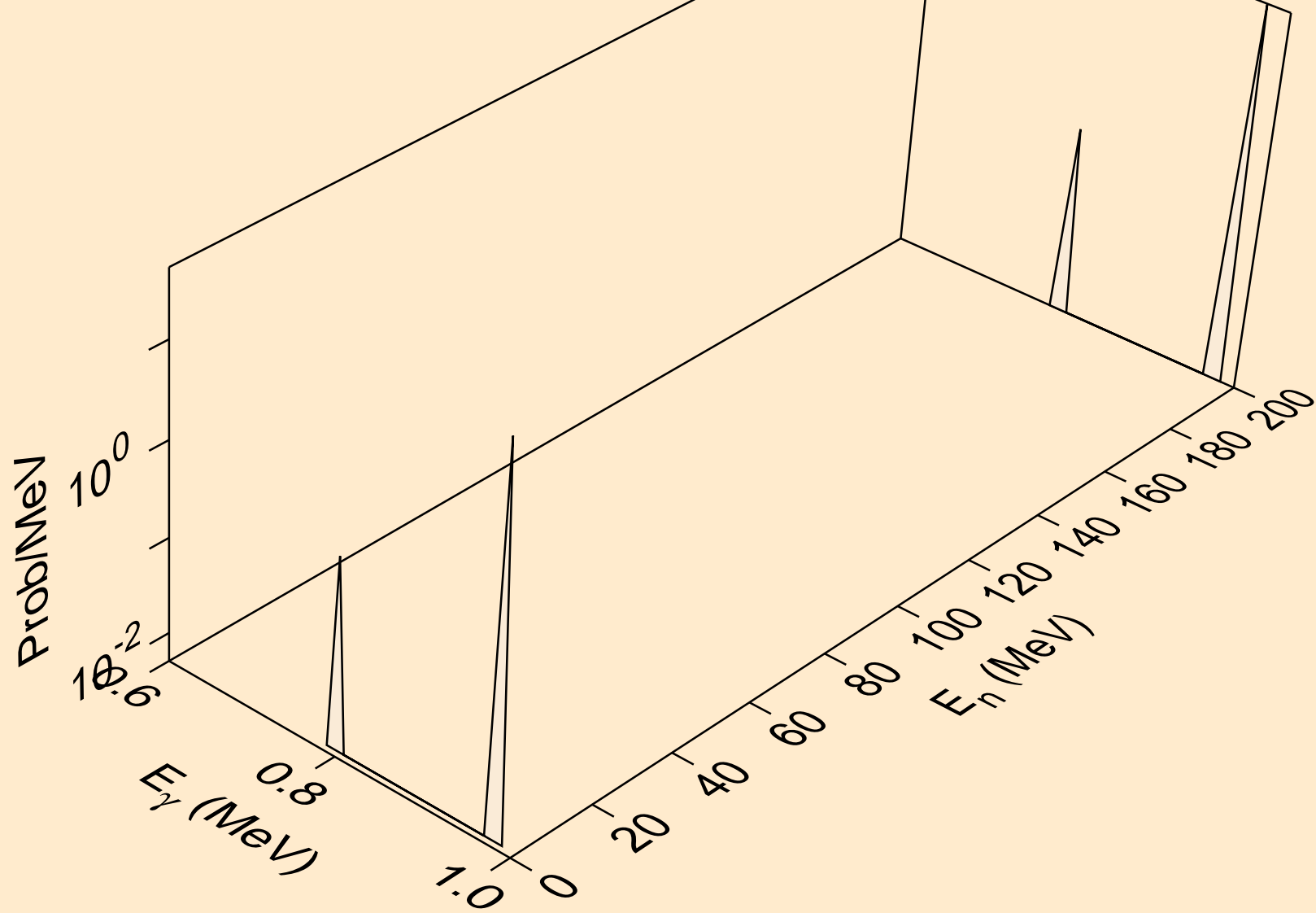




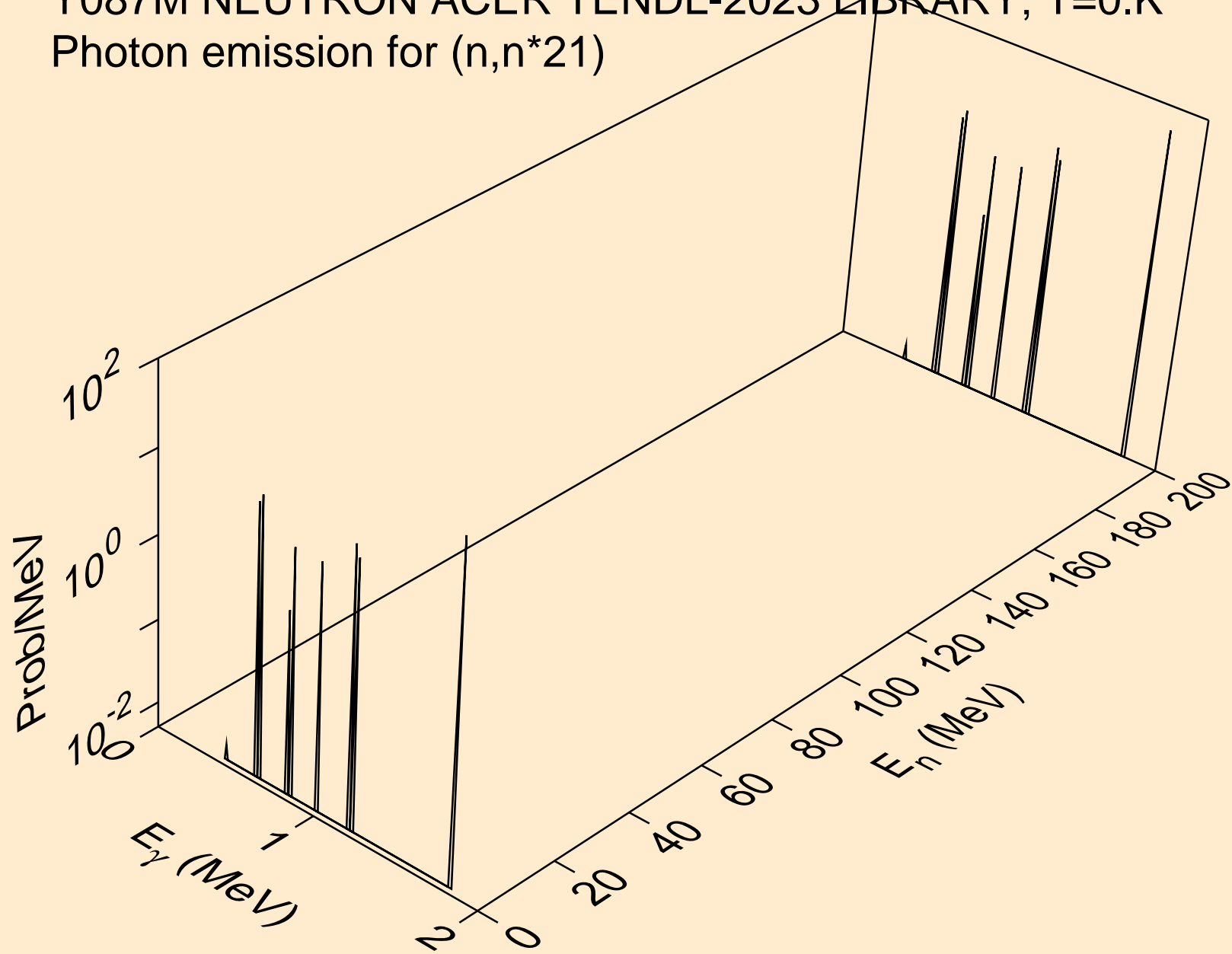
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Photon emission for (n,n\*19)



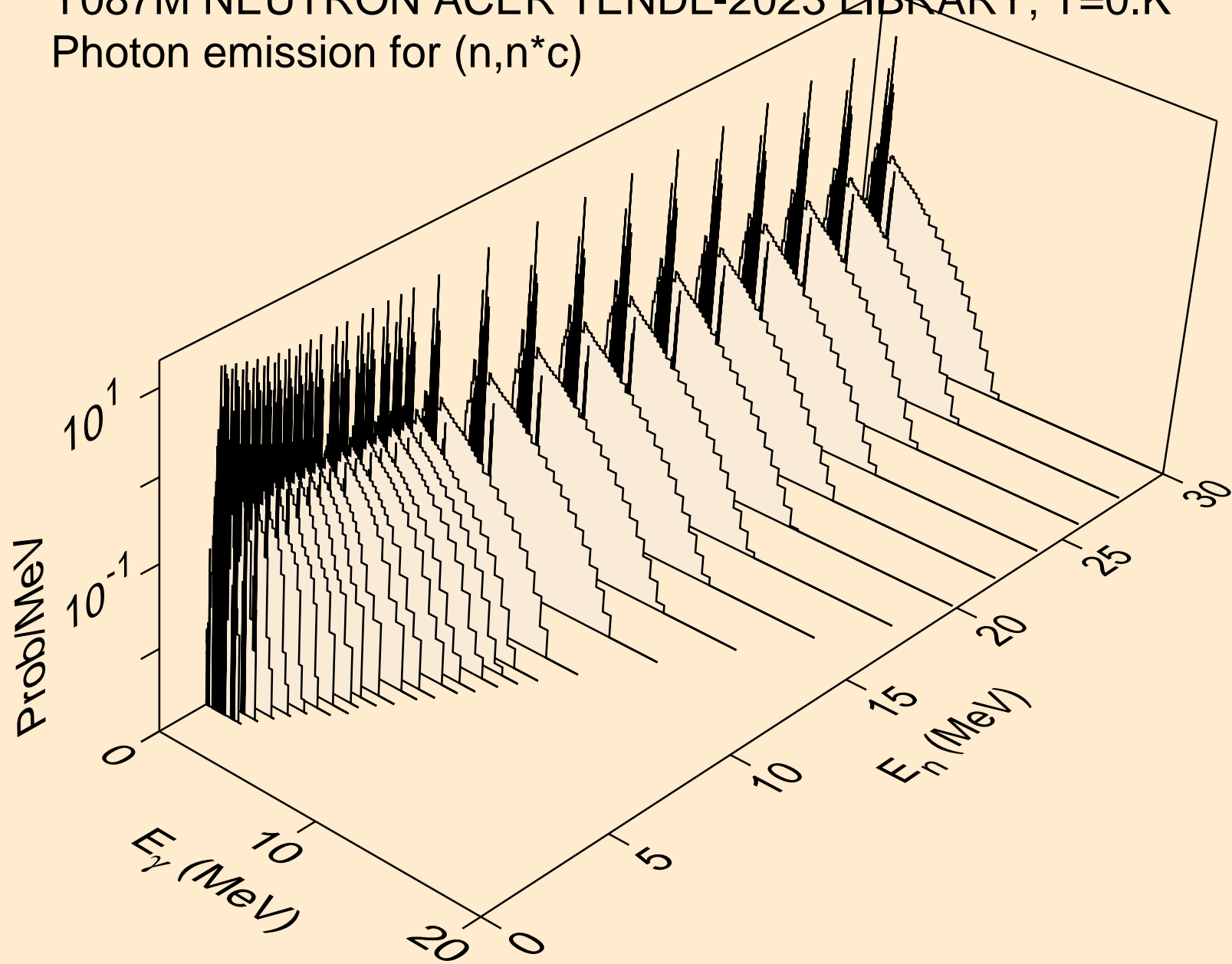
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Photon emission for (n,n\*20)



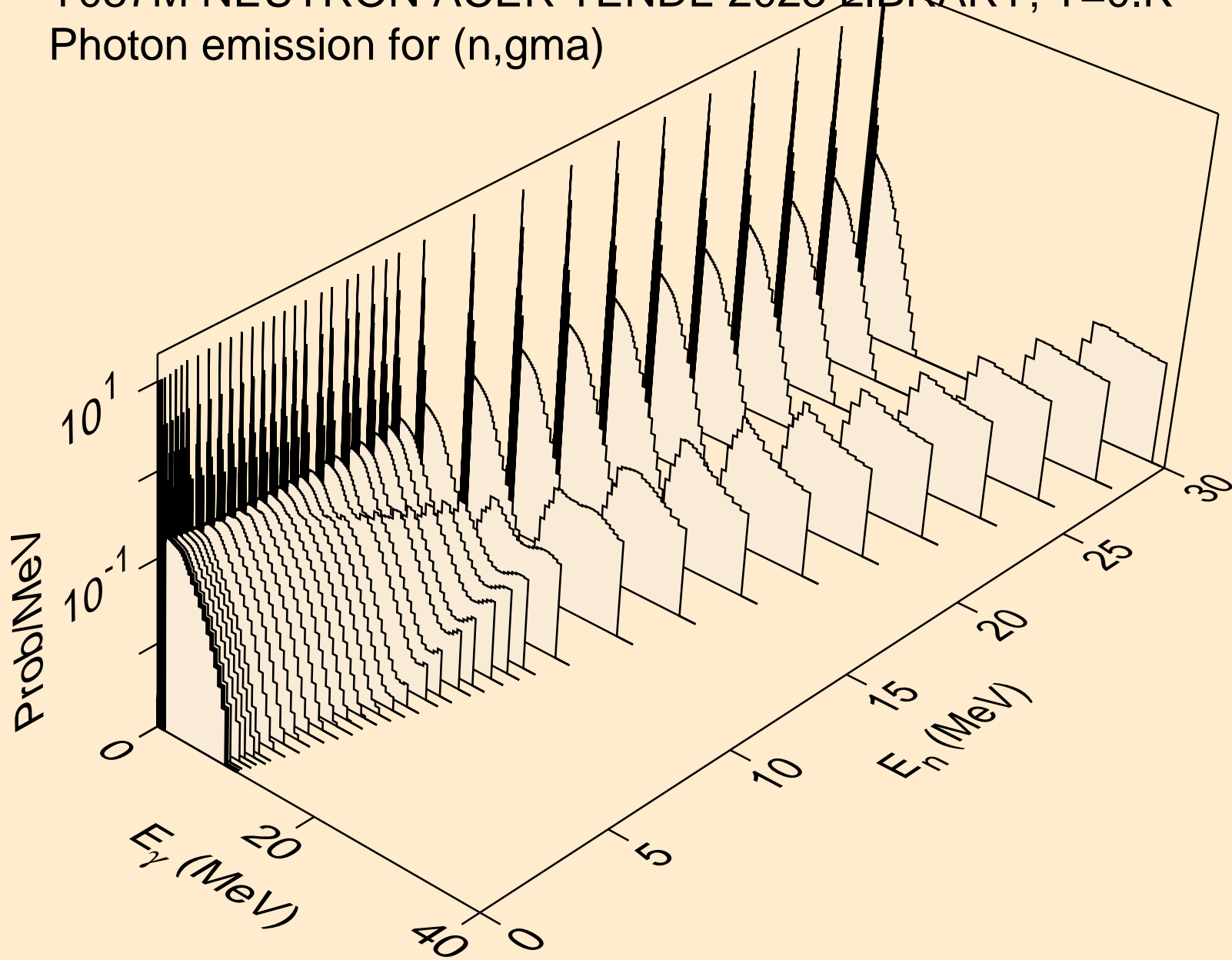
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Photon emission for (n,n\*21)



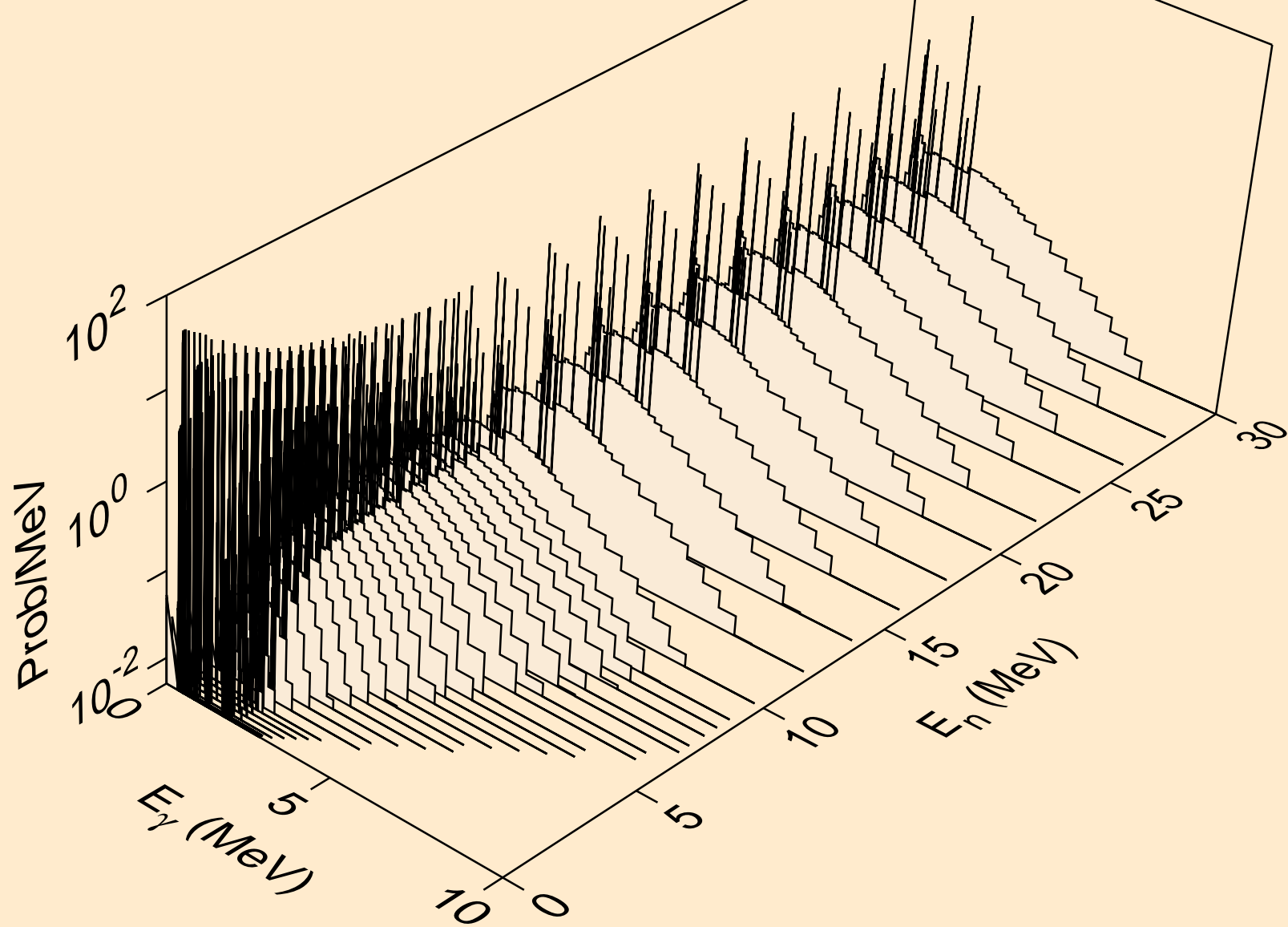
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Photon emission for (n,n\*c)



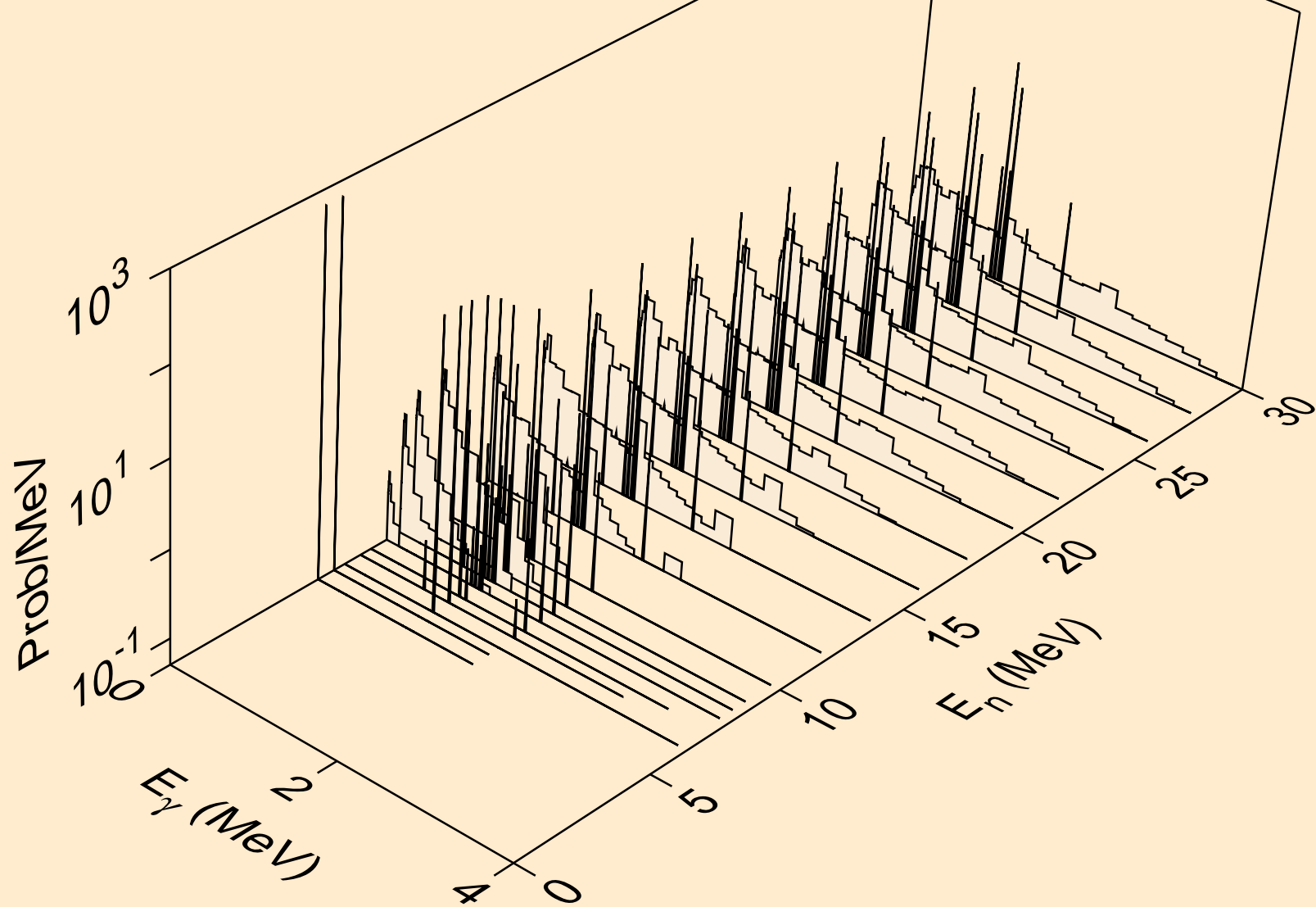
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Photon emission for (n,gma)



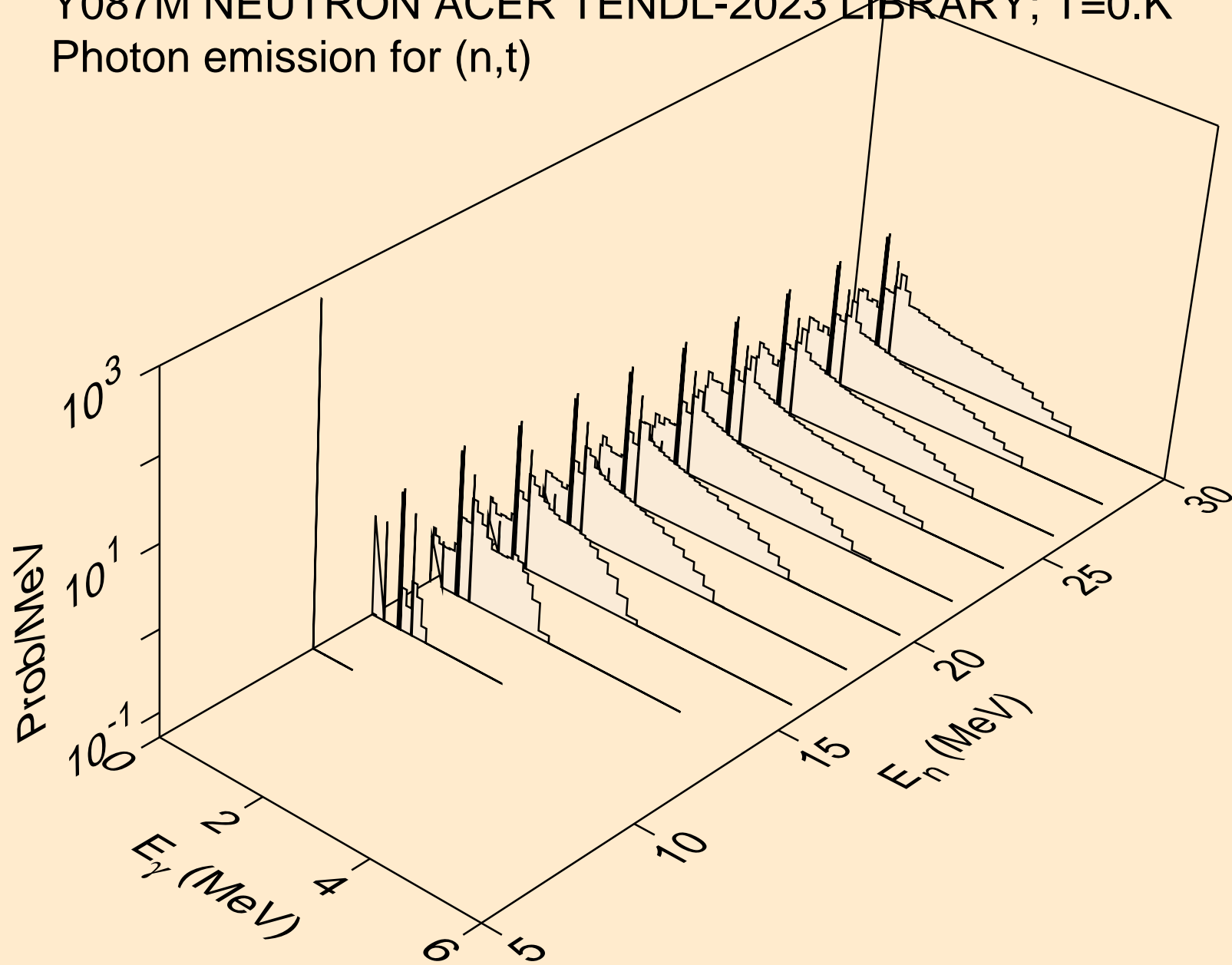
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Photon emission for (n,p)



Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)

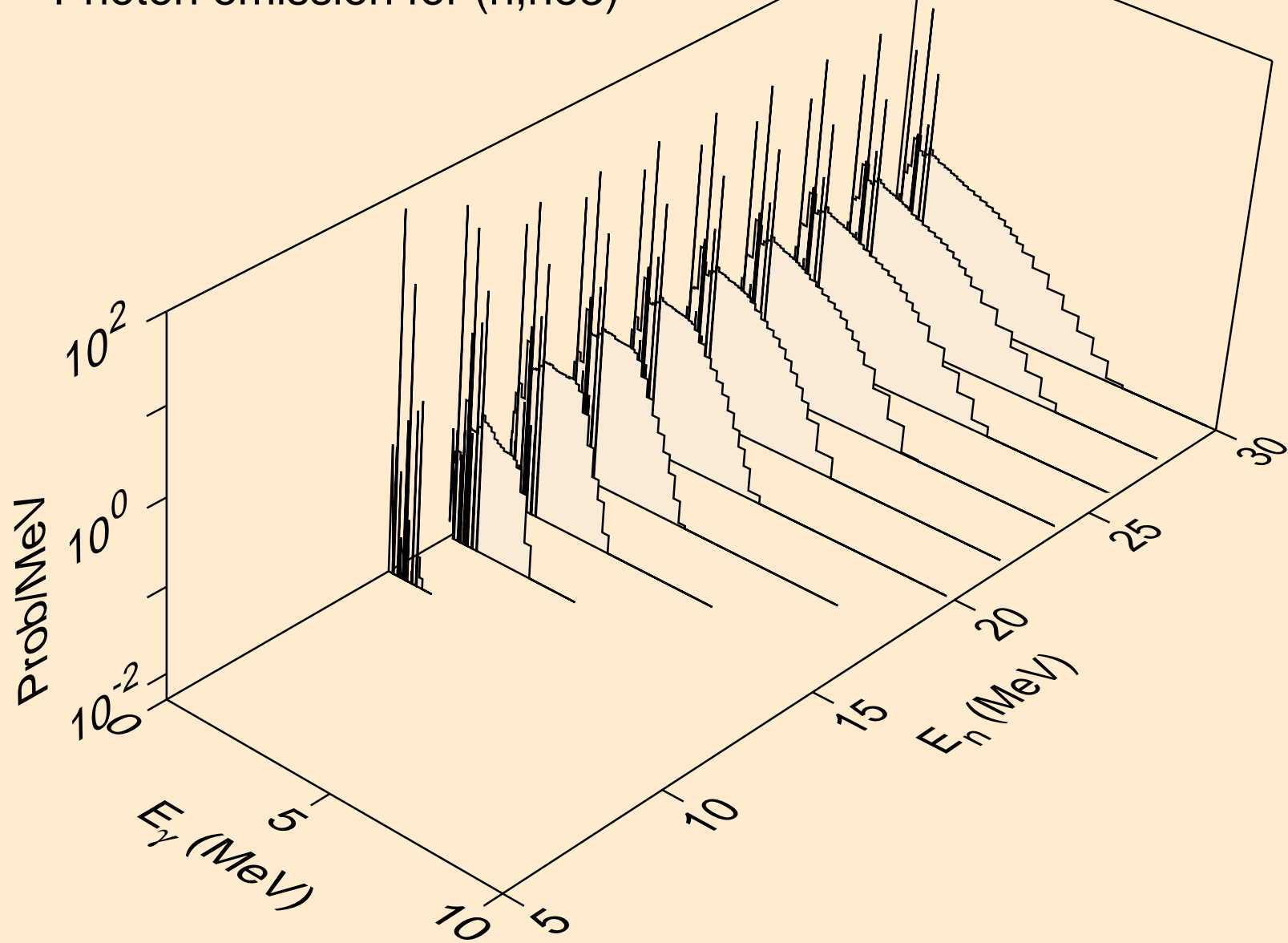


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Photon emission for (n,t)

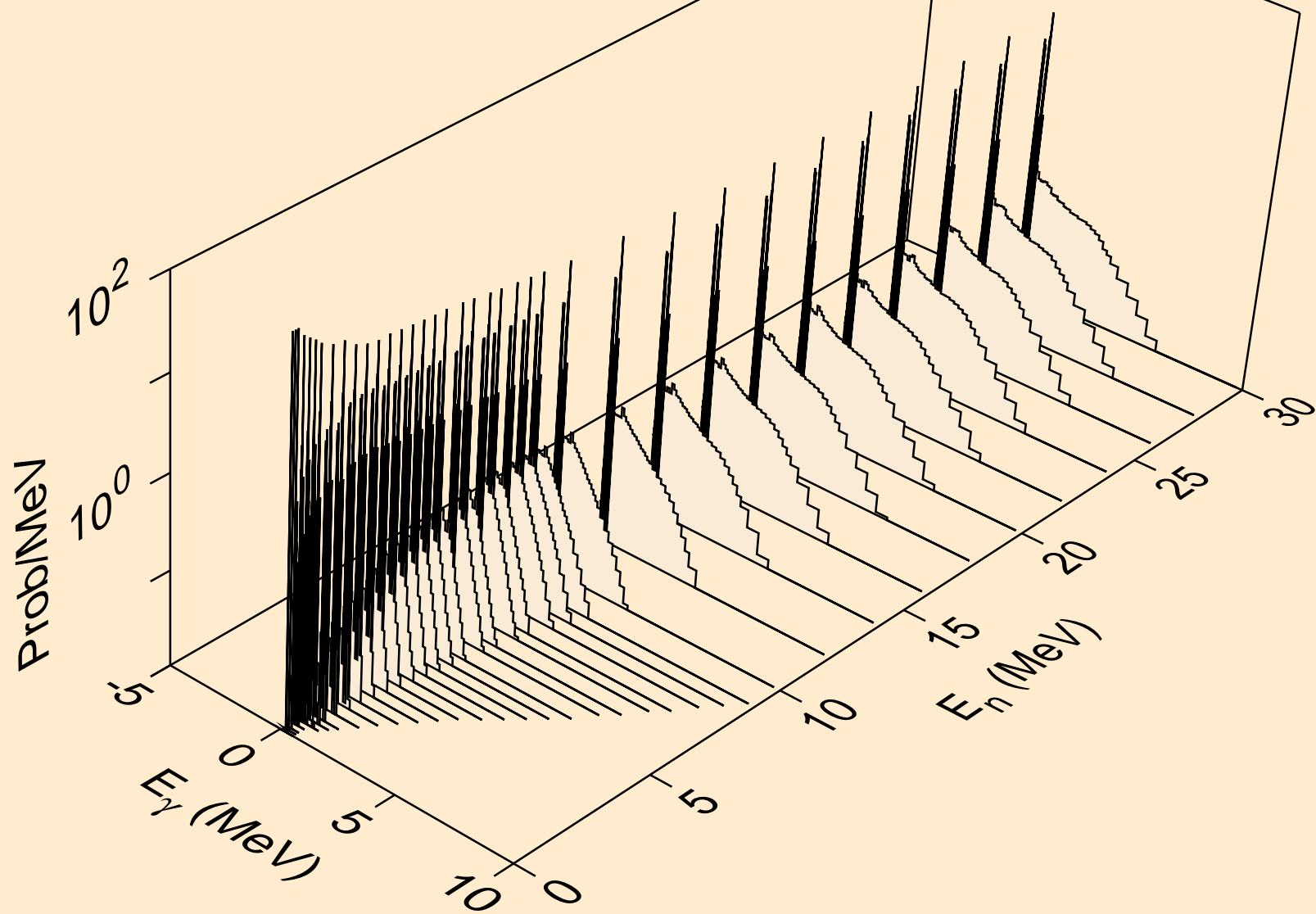




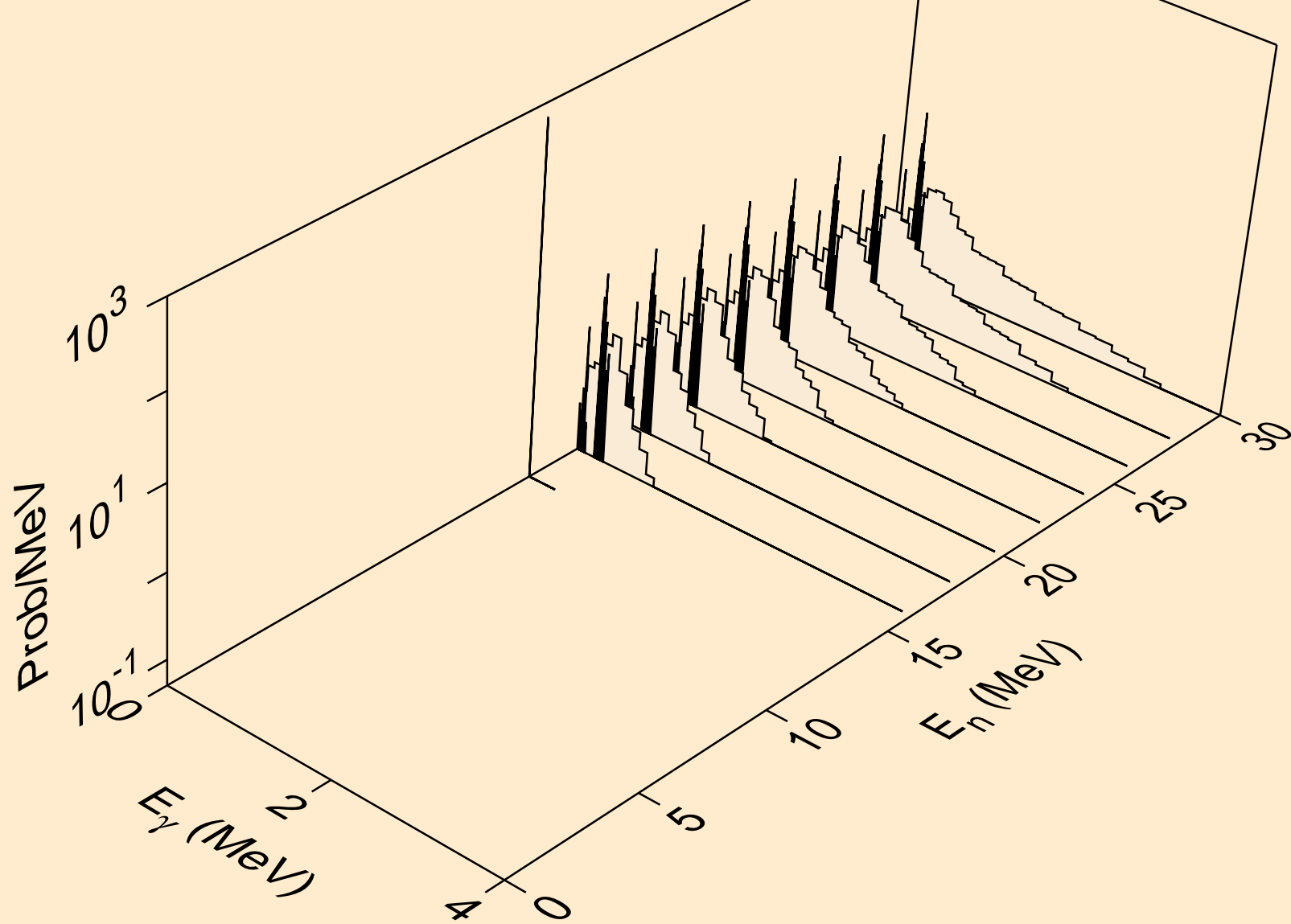
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Photon emission for (n,he3)



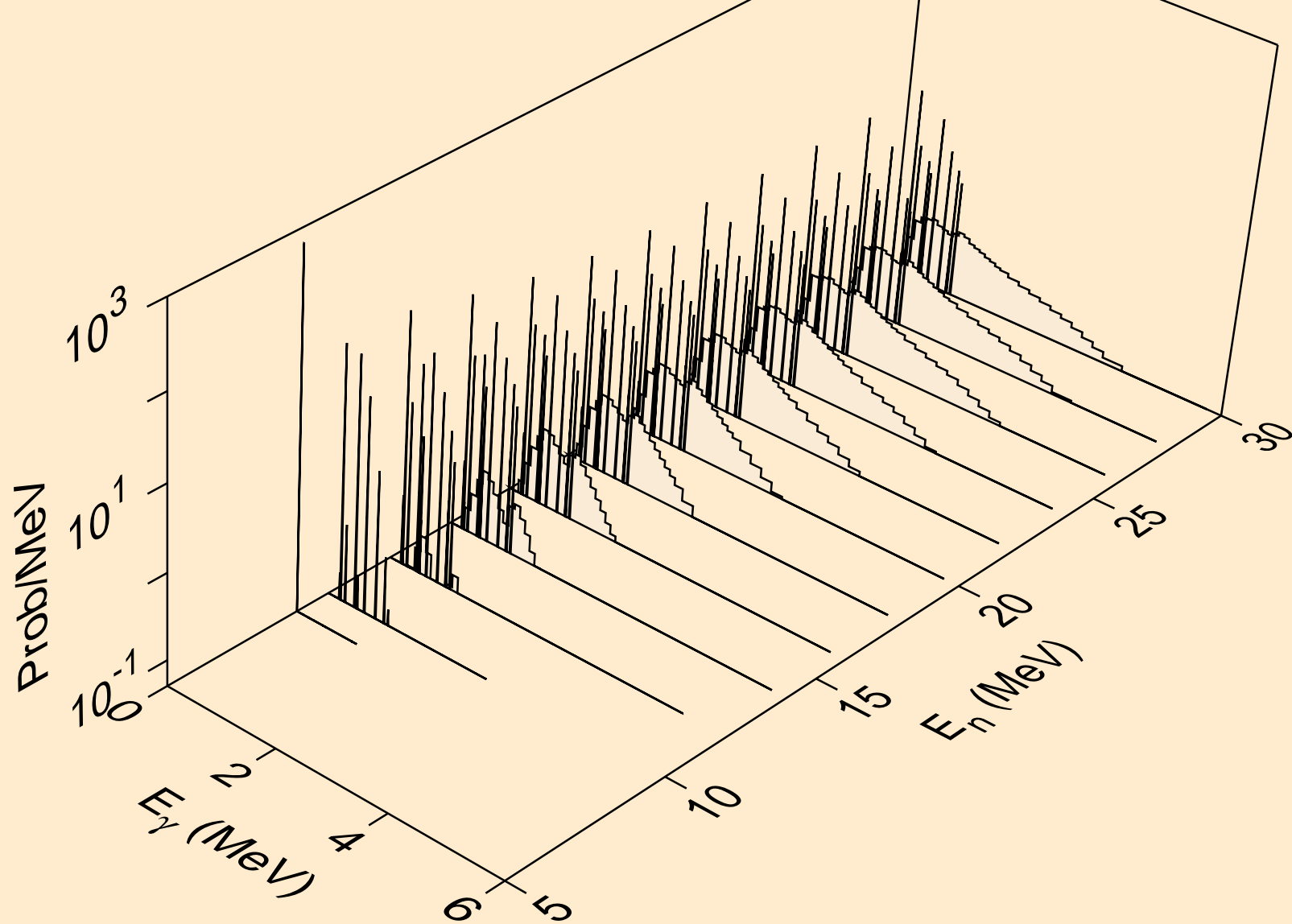
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Photon emission for (n,a)



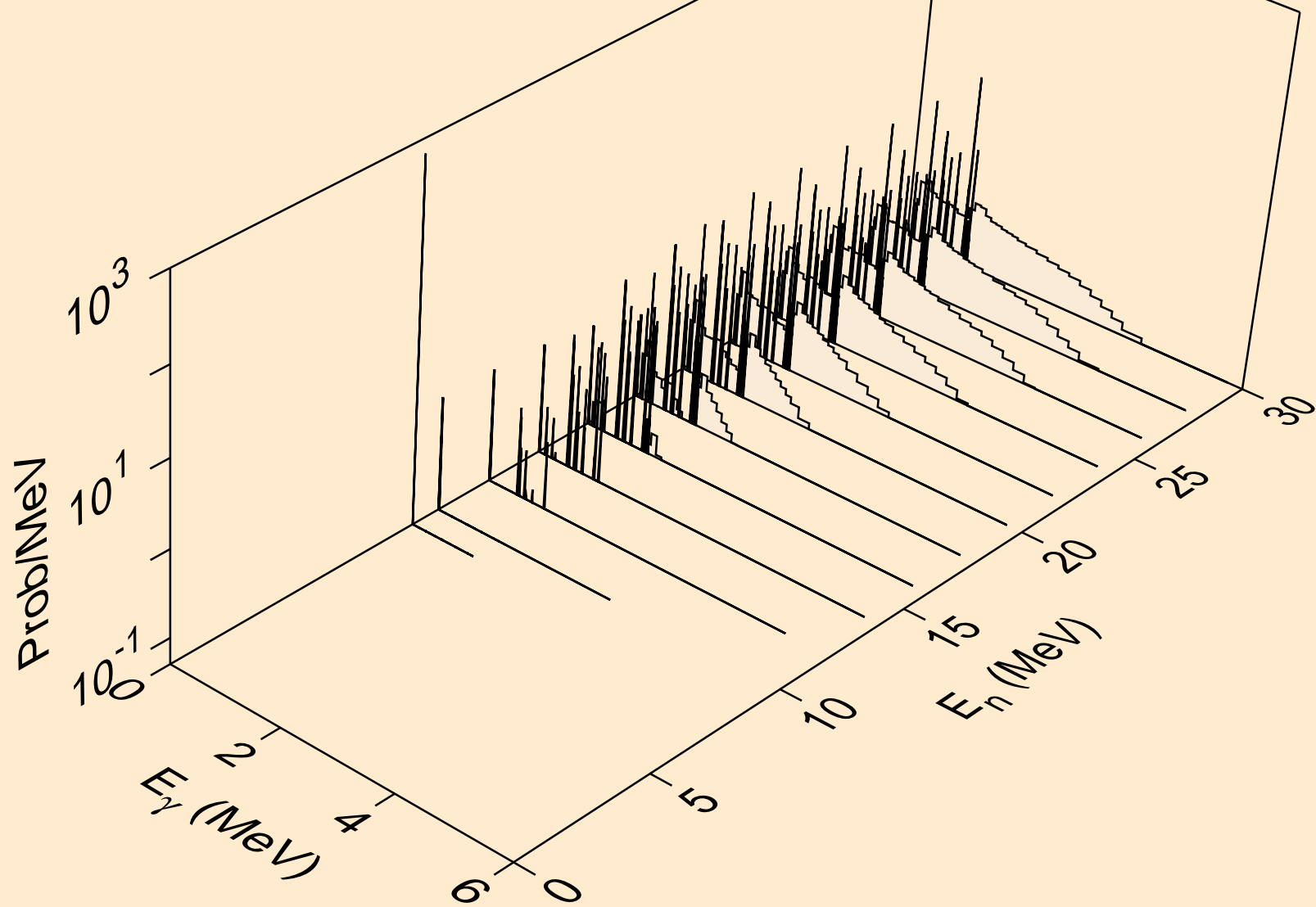
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Photon emission for (n,2a)



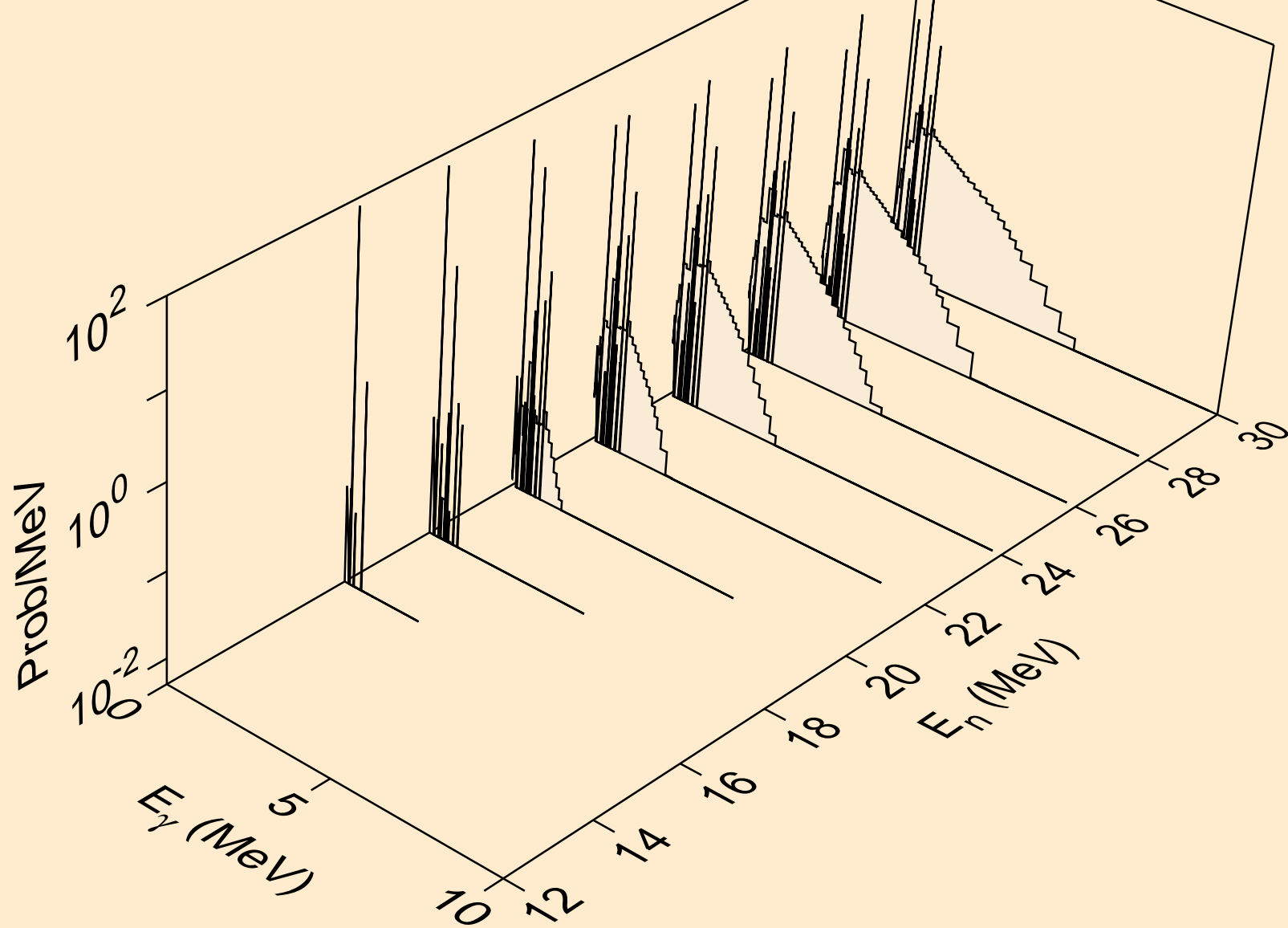
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Photon emission for (n,2p)



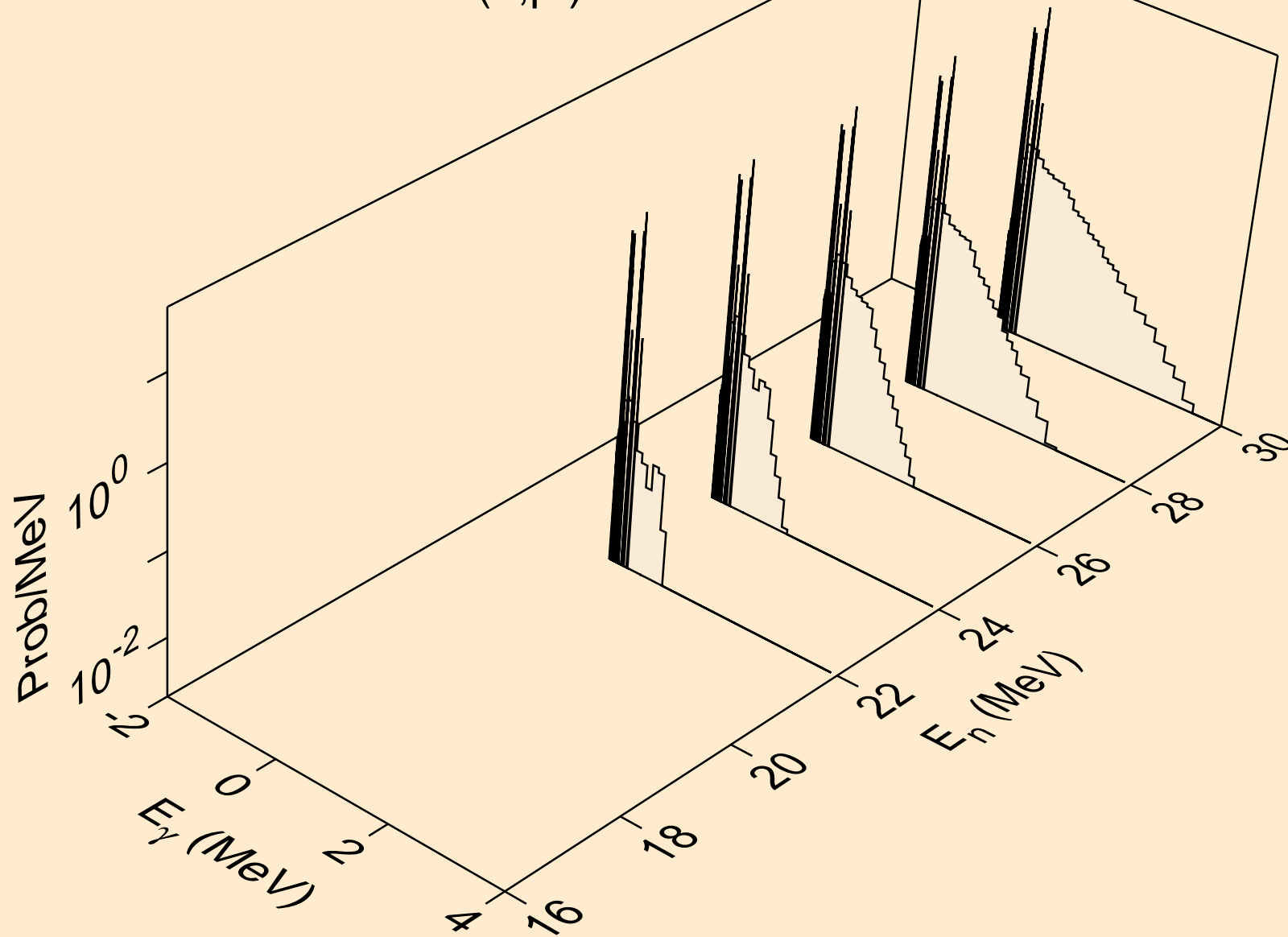
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Photon emission for (n,p $\alpha$ )



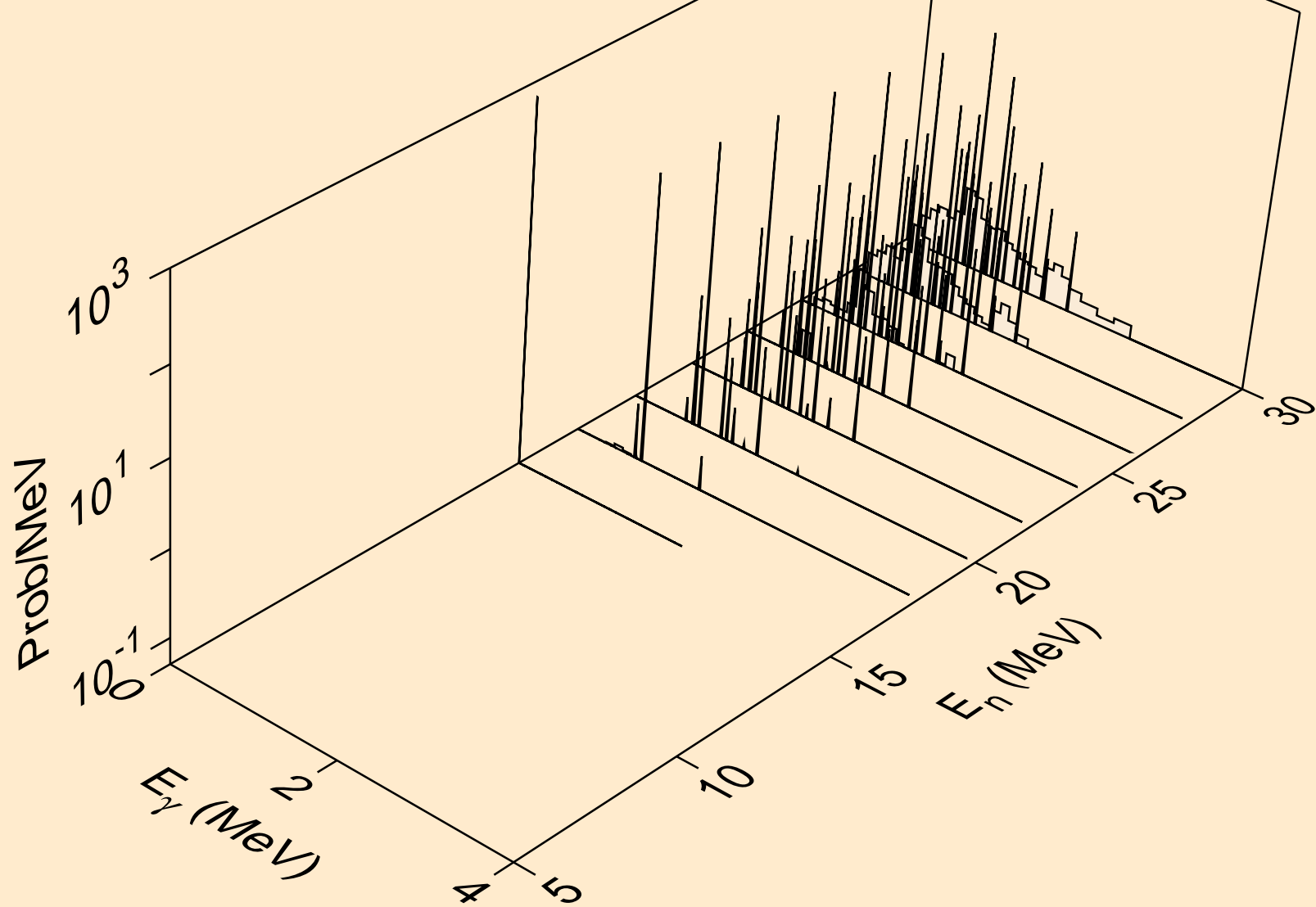
Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

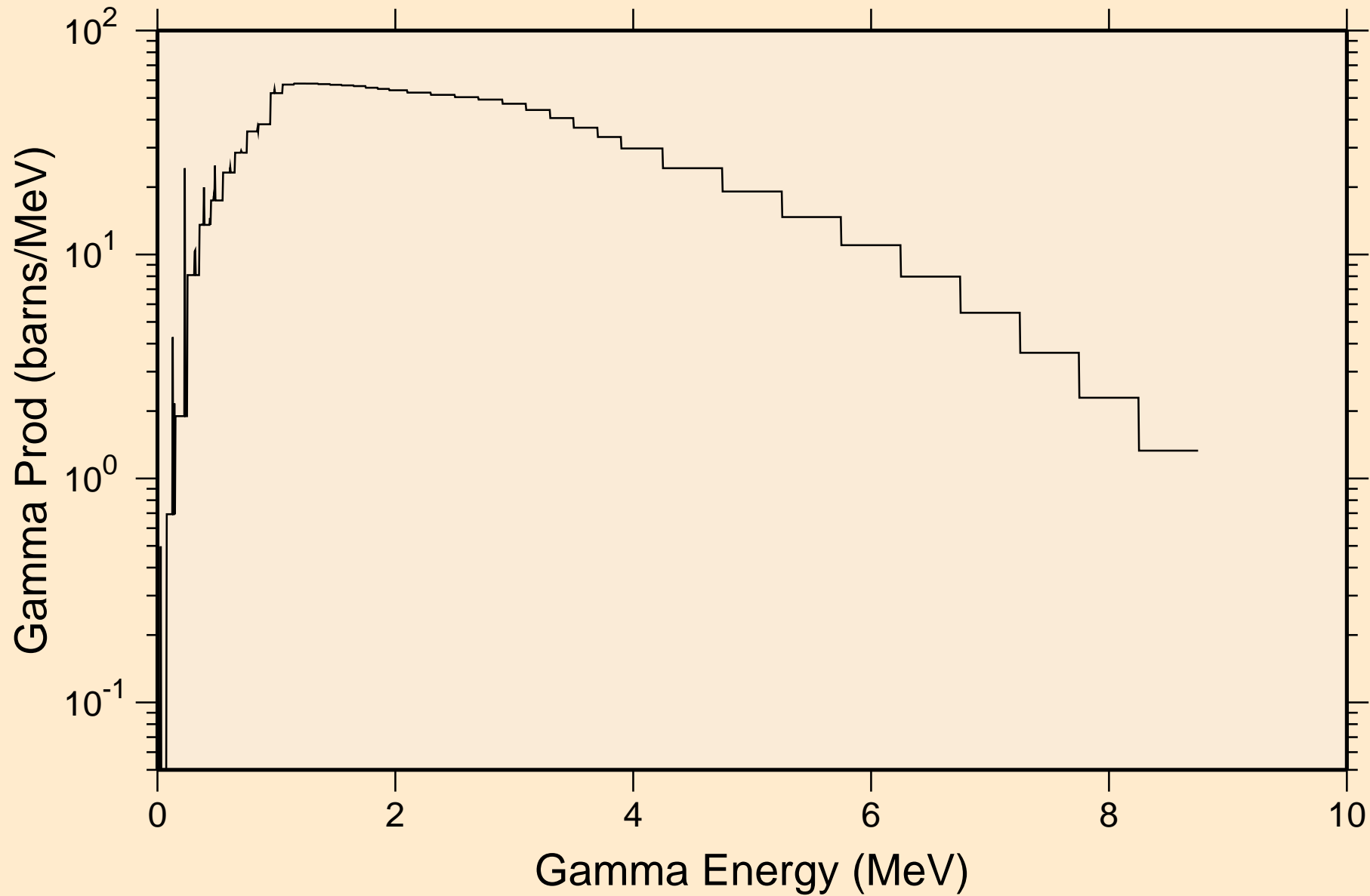


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Photon emission for (n,da)

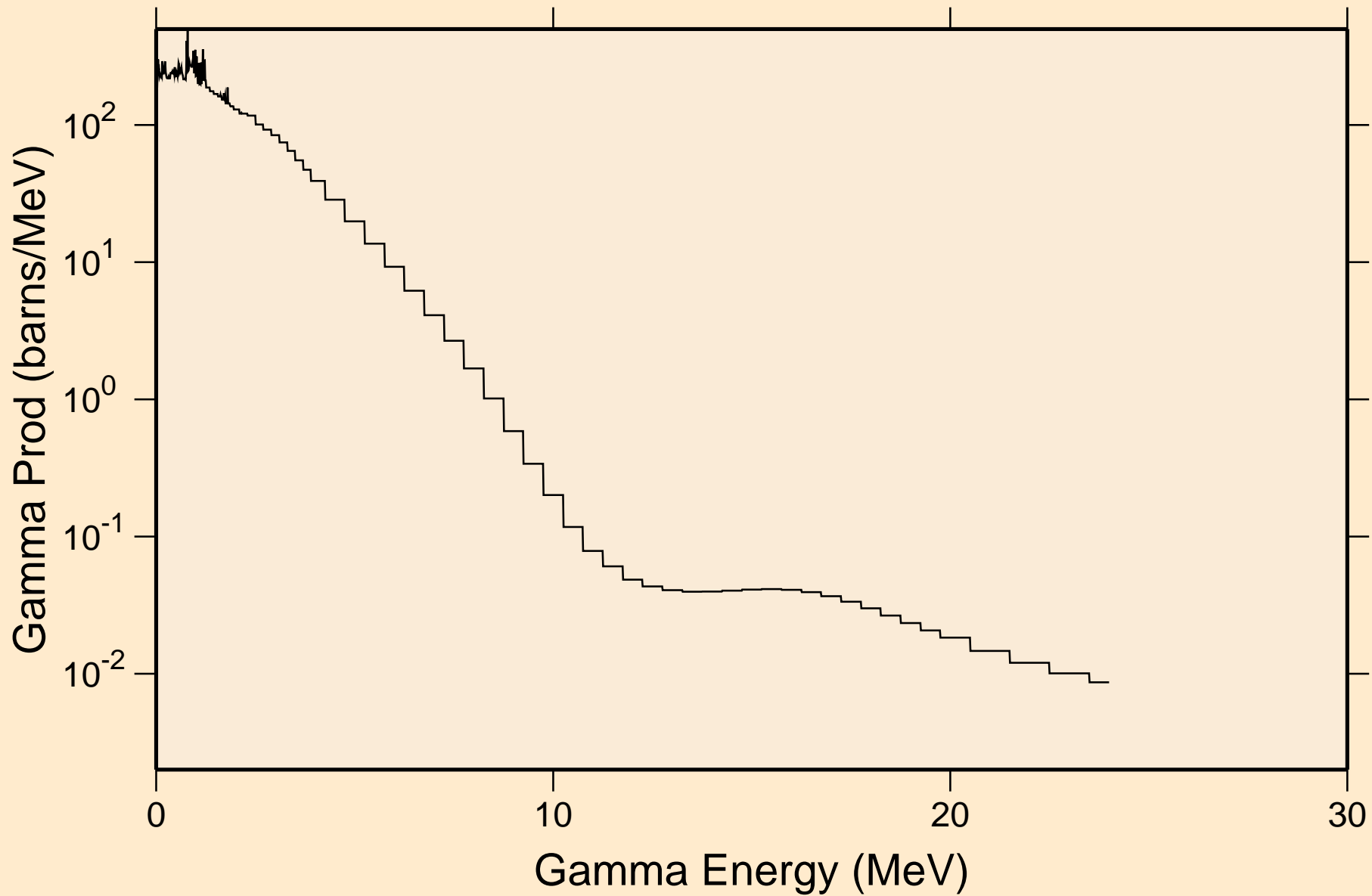




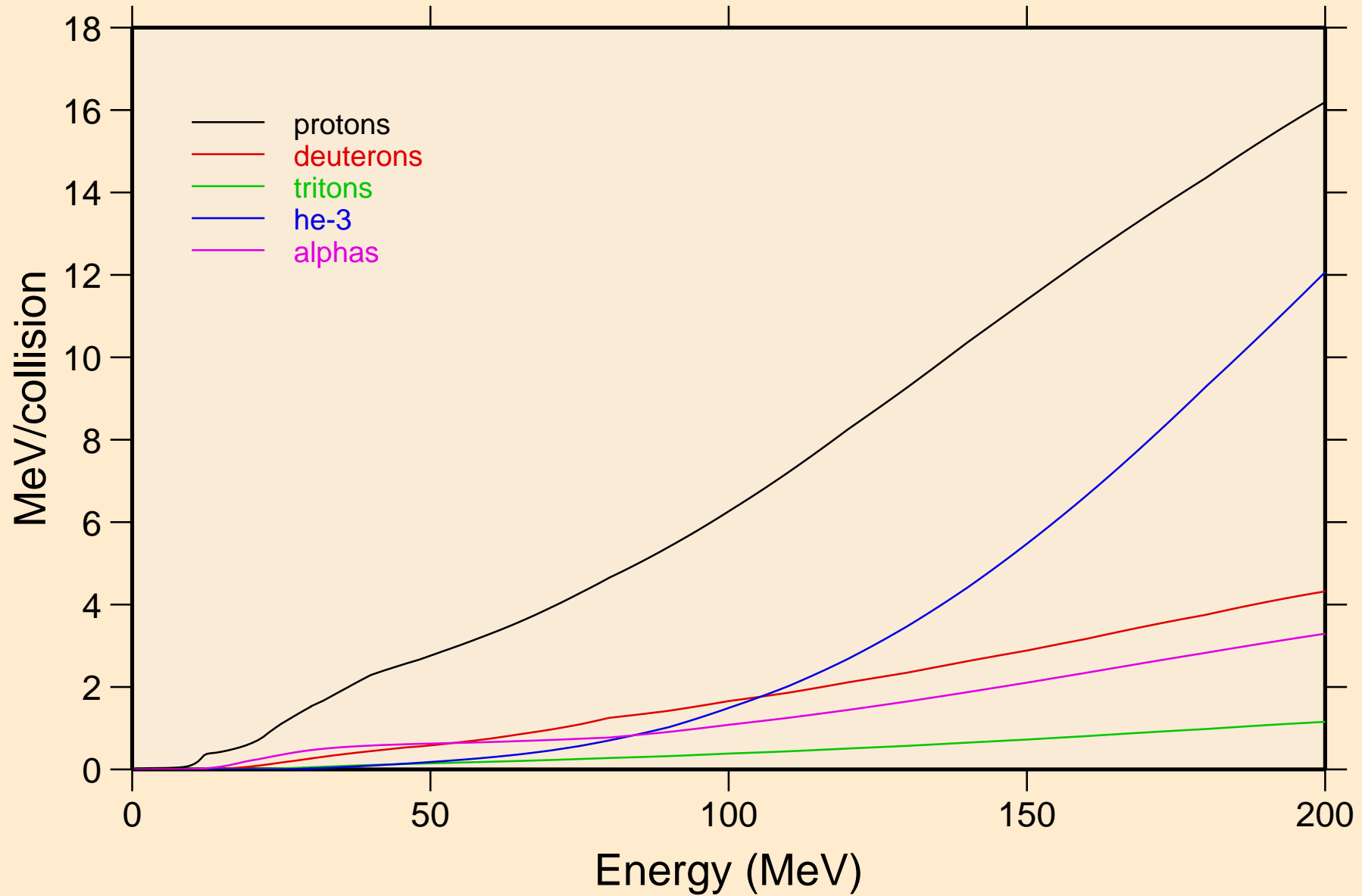
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thermal capture photon spectrum



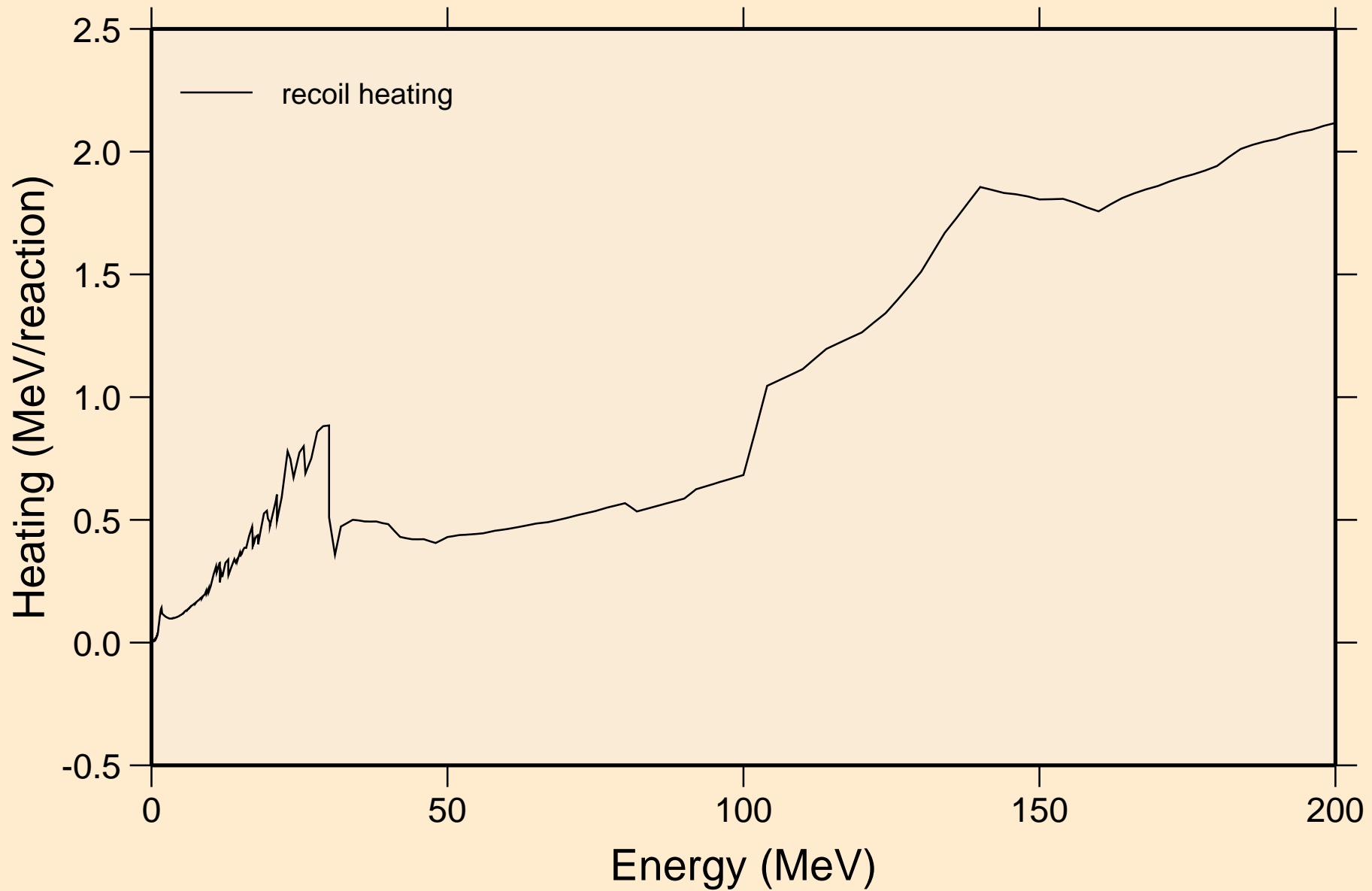
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14 MeV photon spectrum



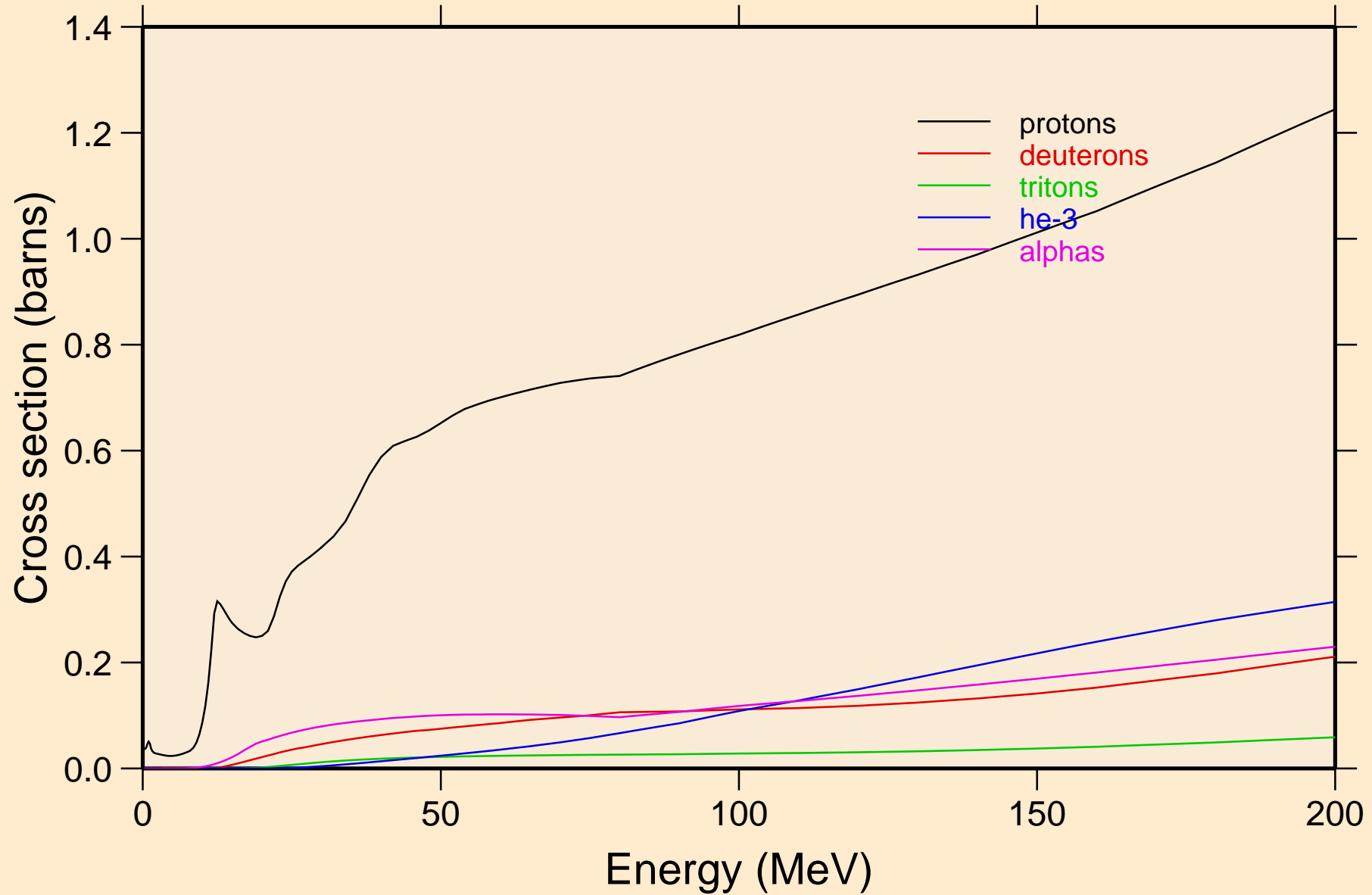
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Particle heating contributions



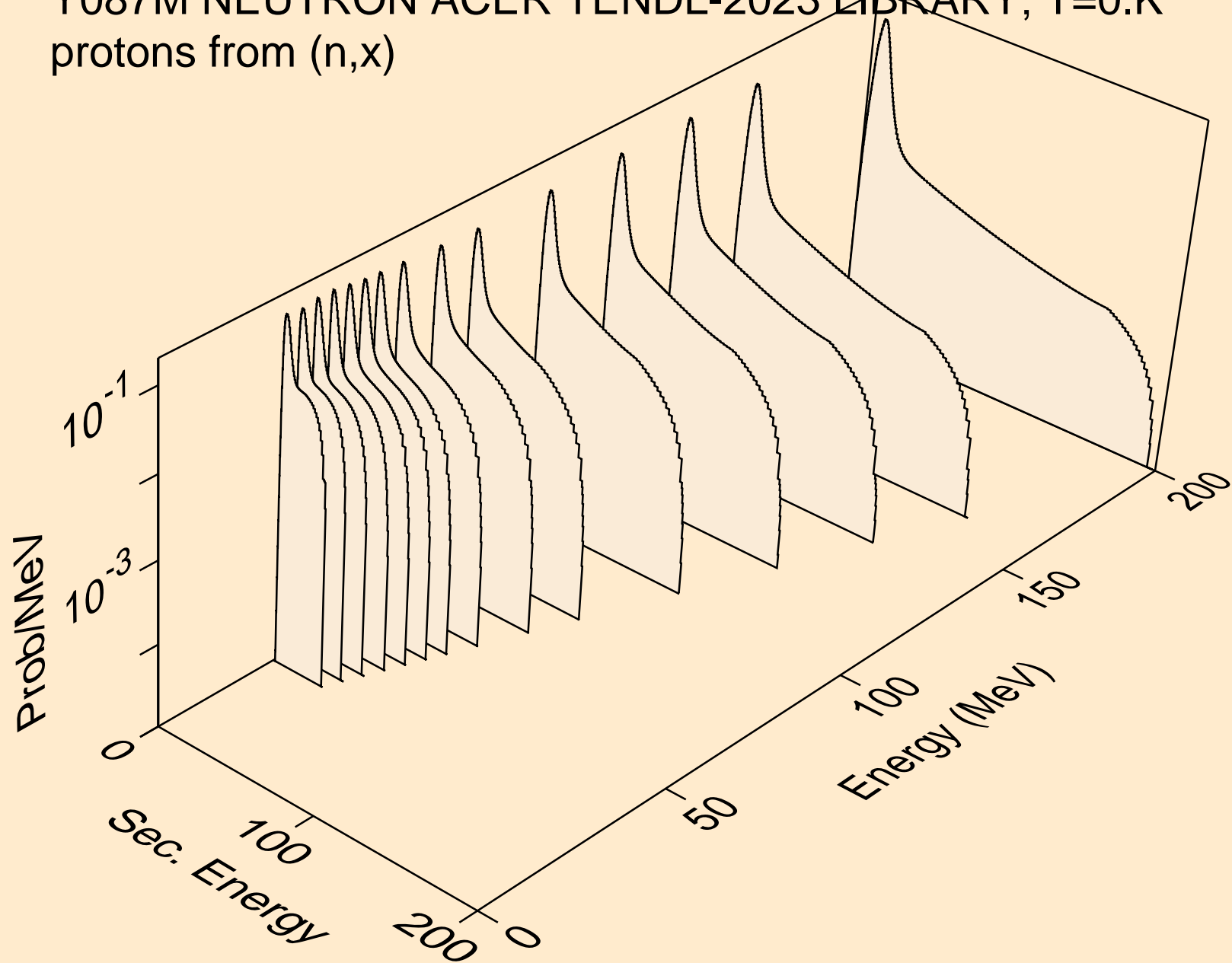
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Recoil Heating



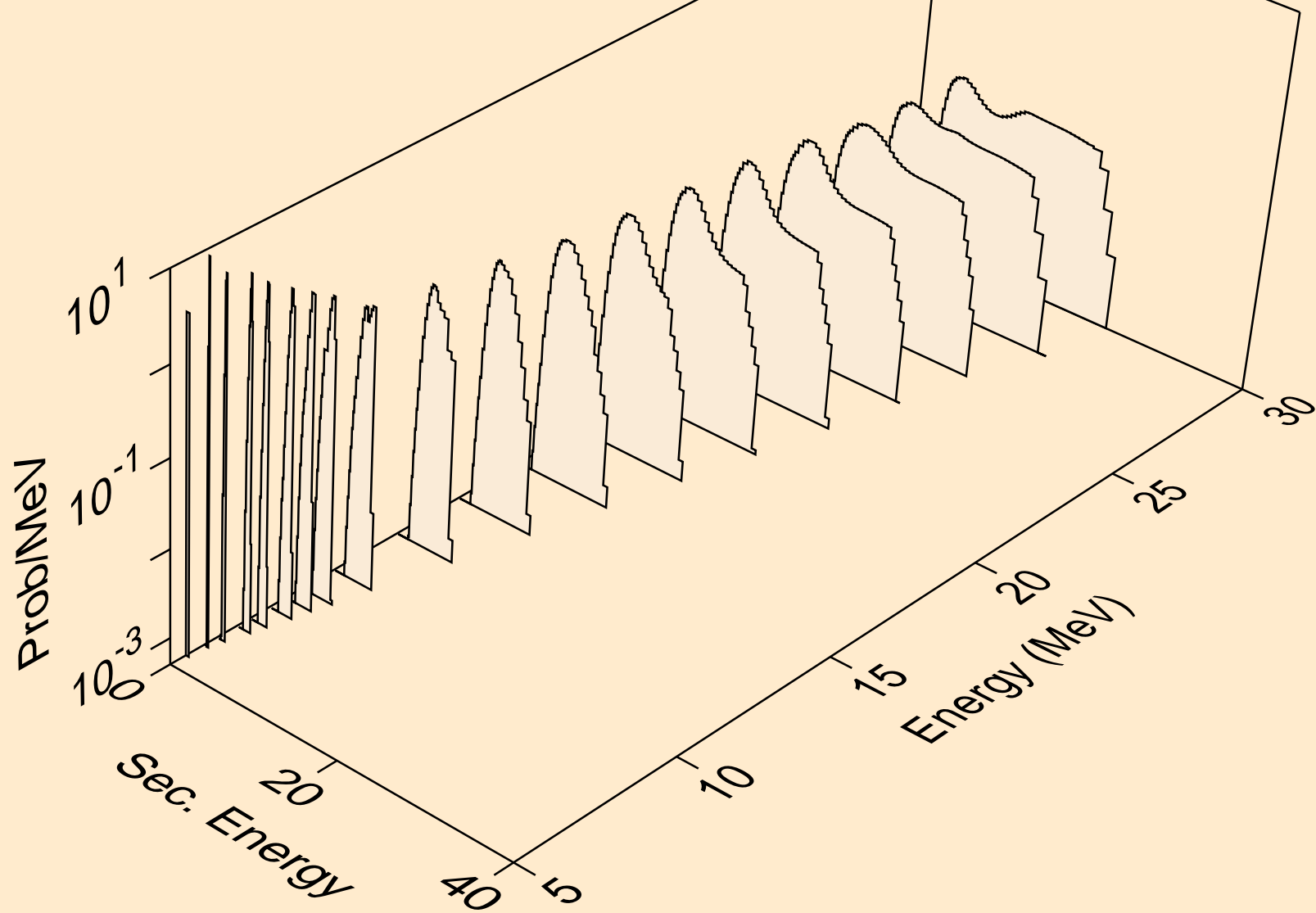
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Particle production cross sections



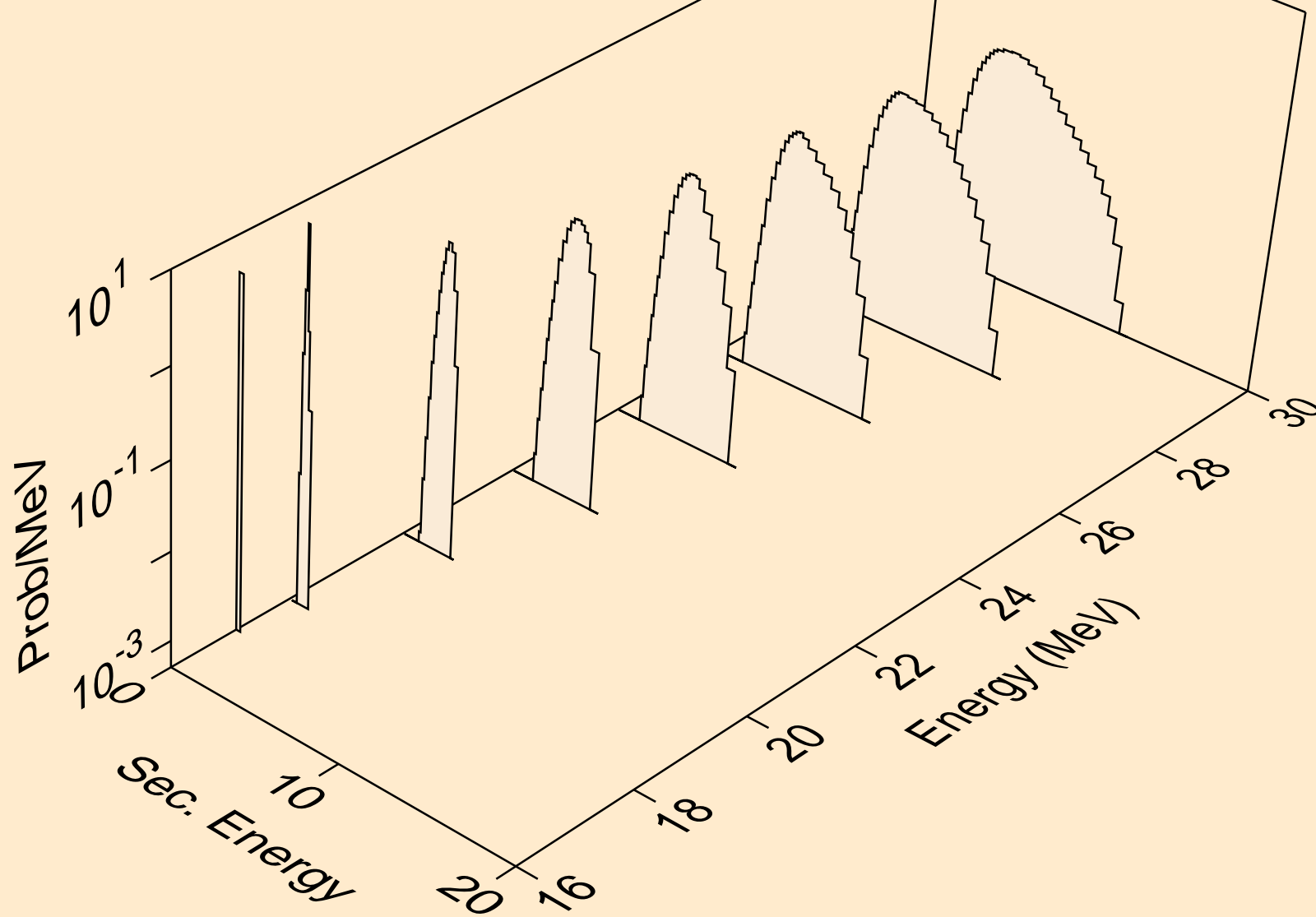
Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p

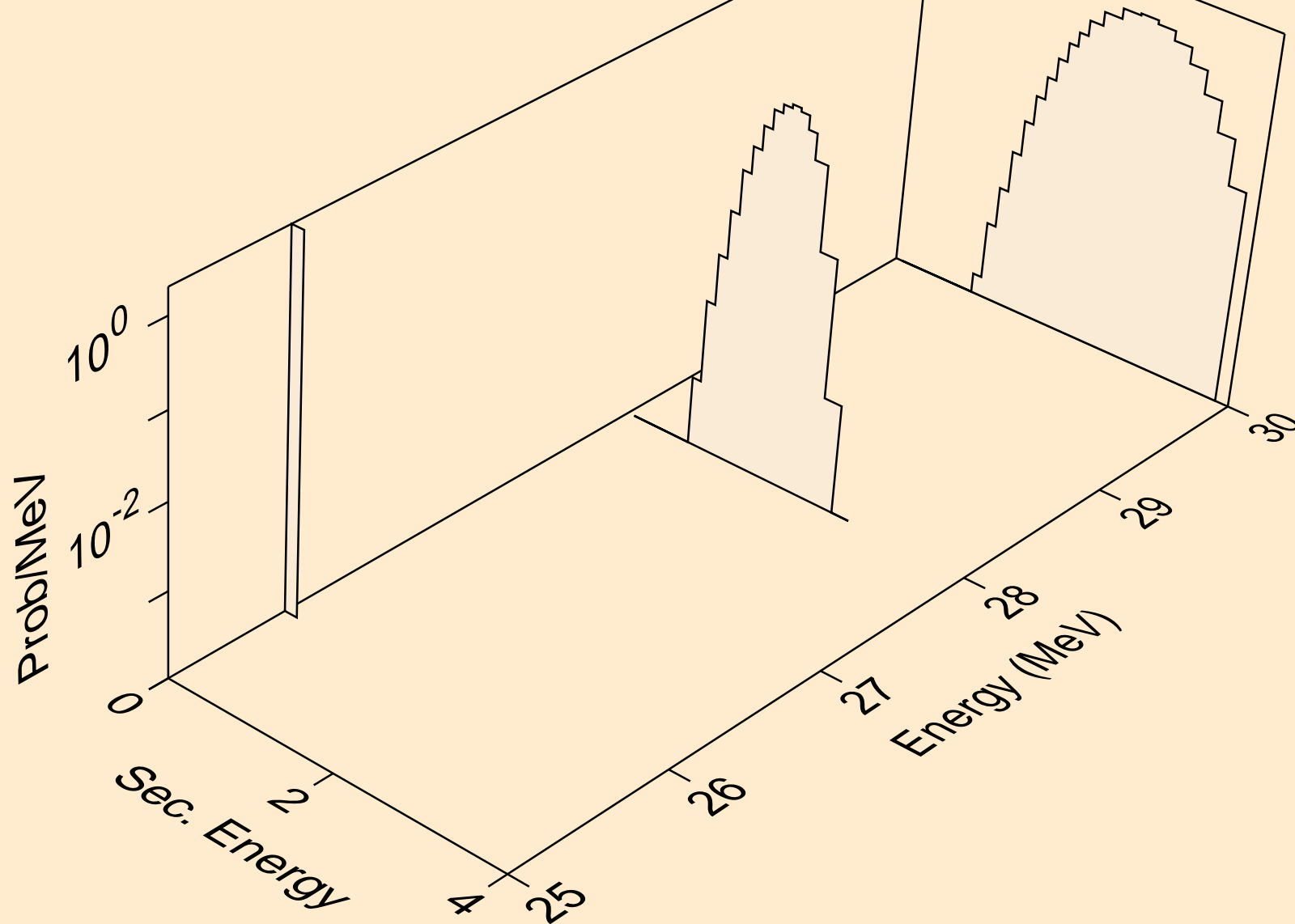


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protons from (n,2np)

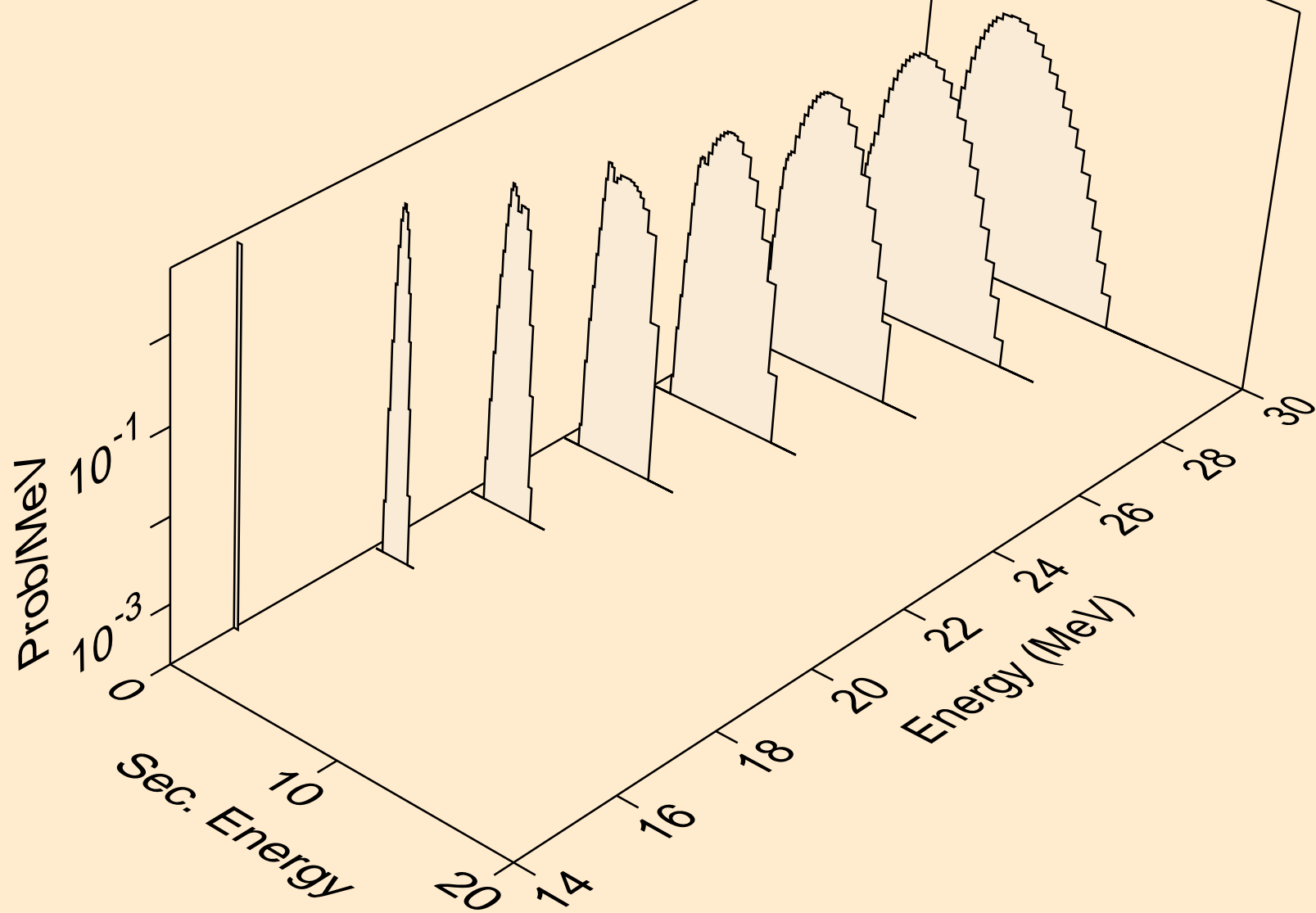




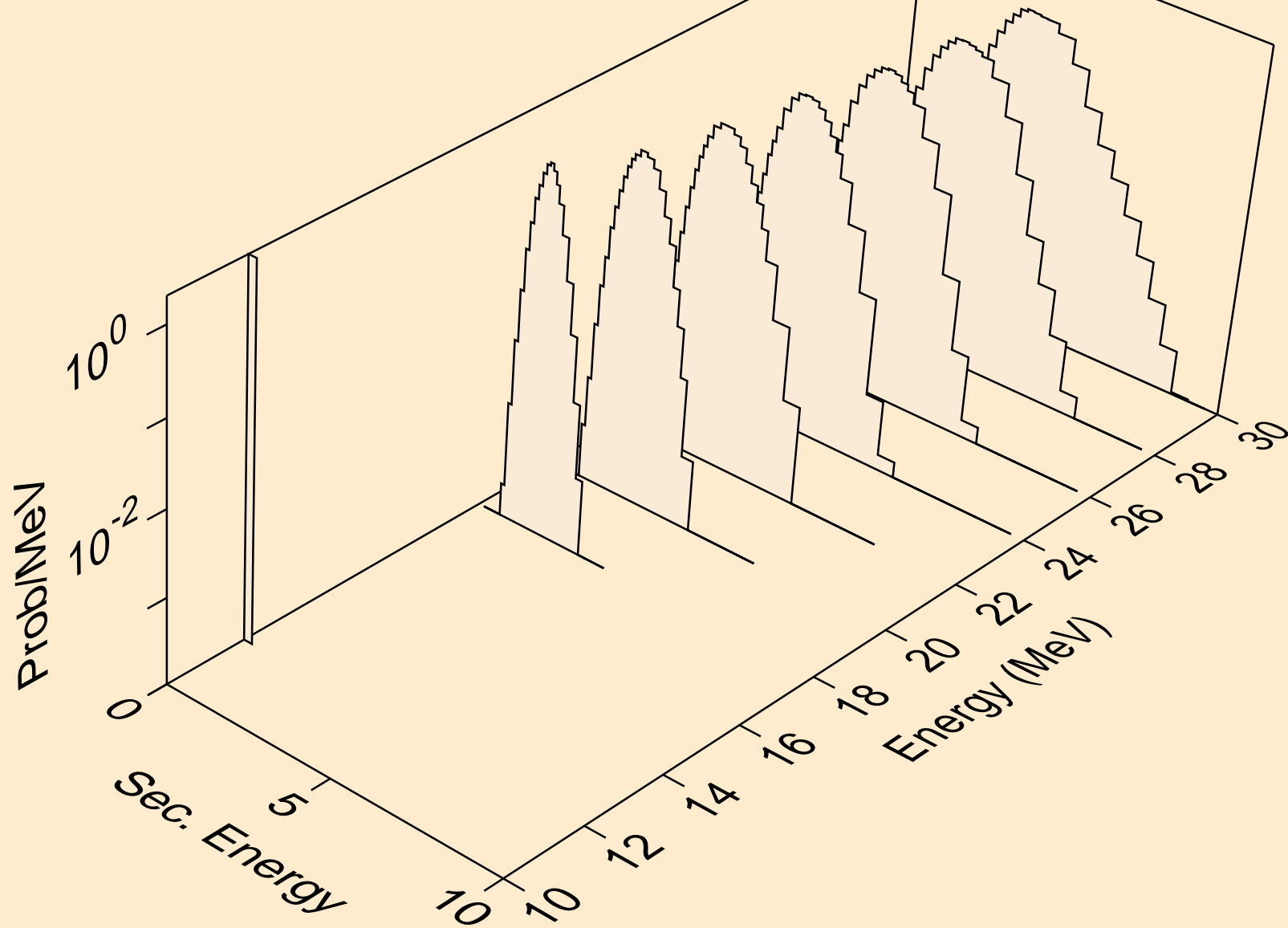
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protons from (n,3np)



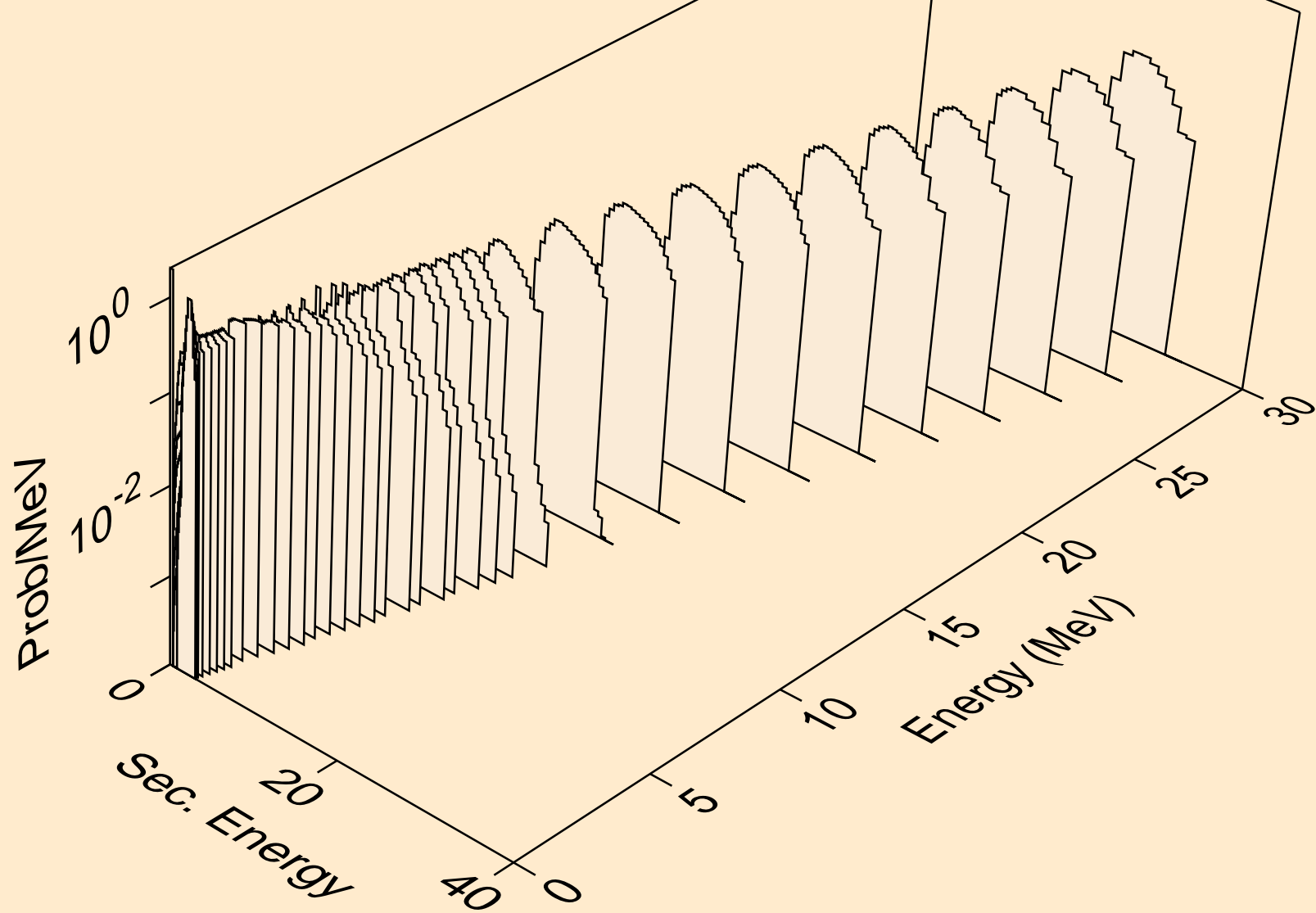
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protons from (n,n2p)



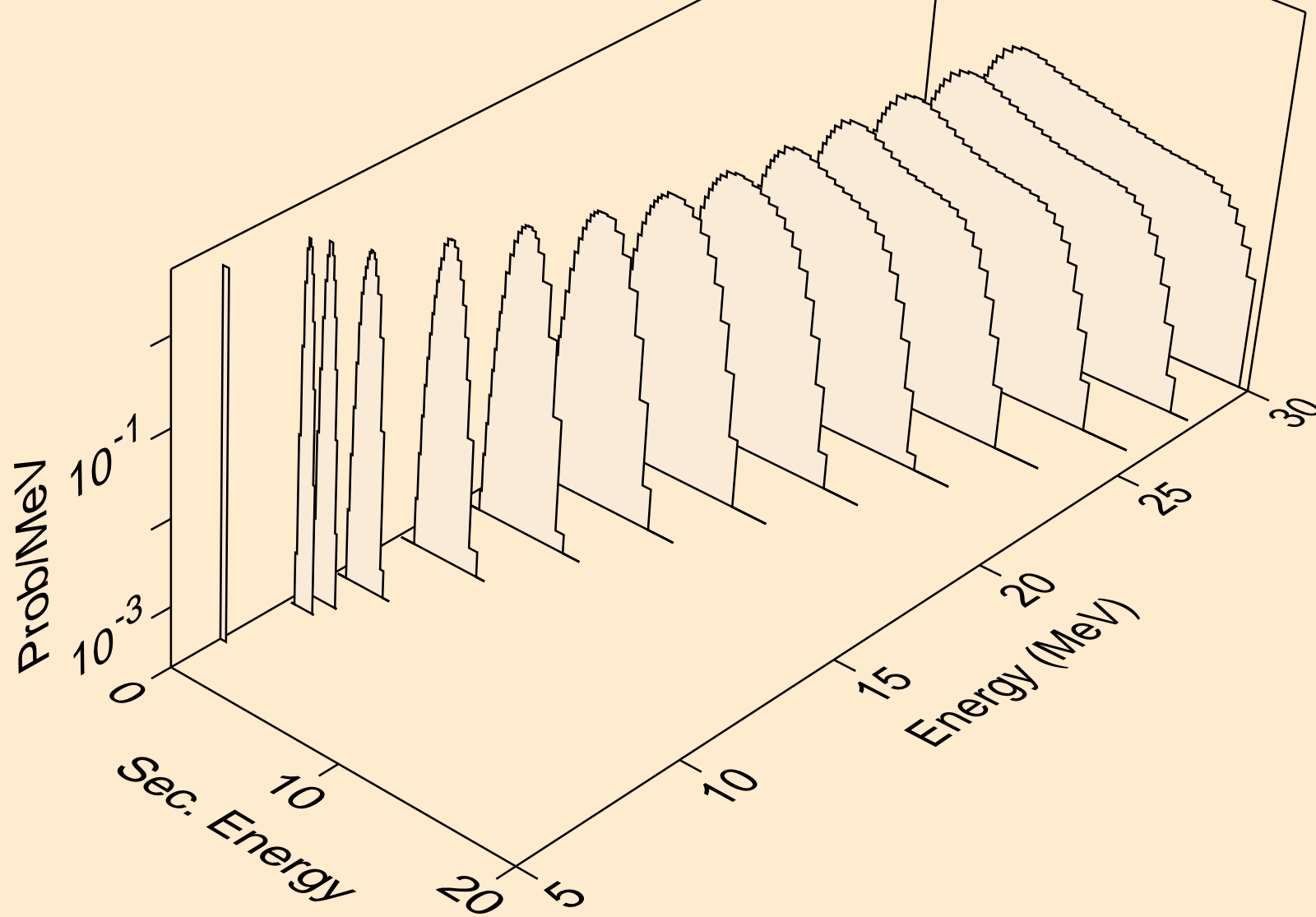
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protons from (n,npa)



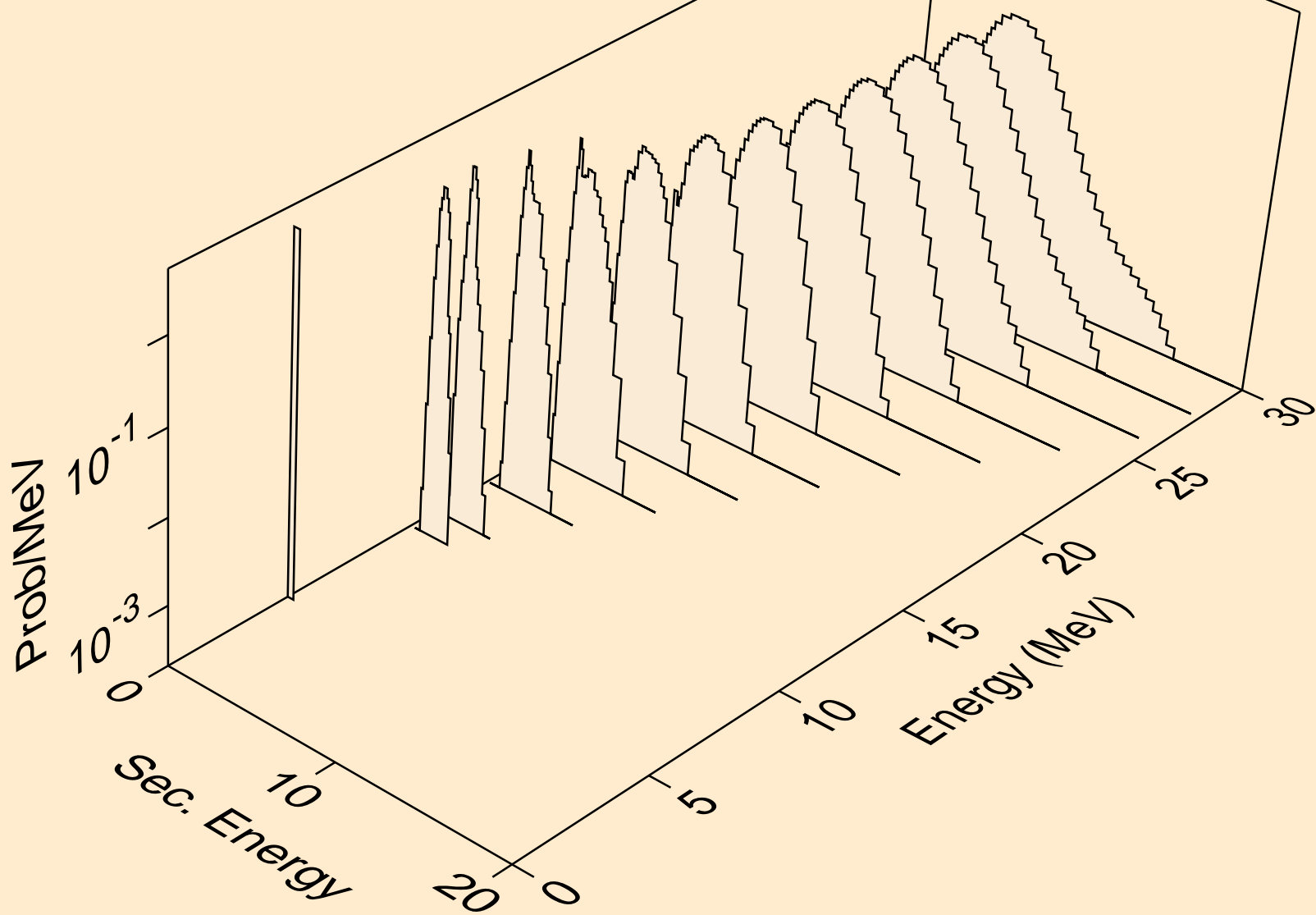
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protons from (n,p)



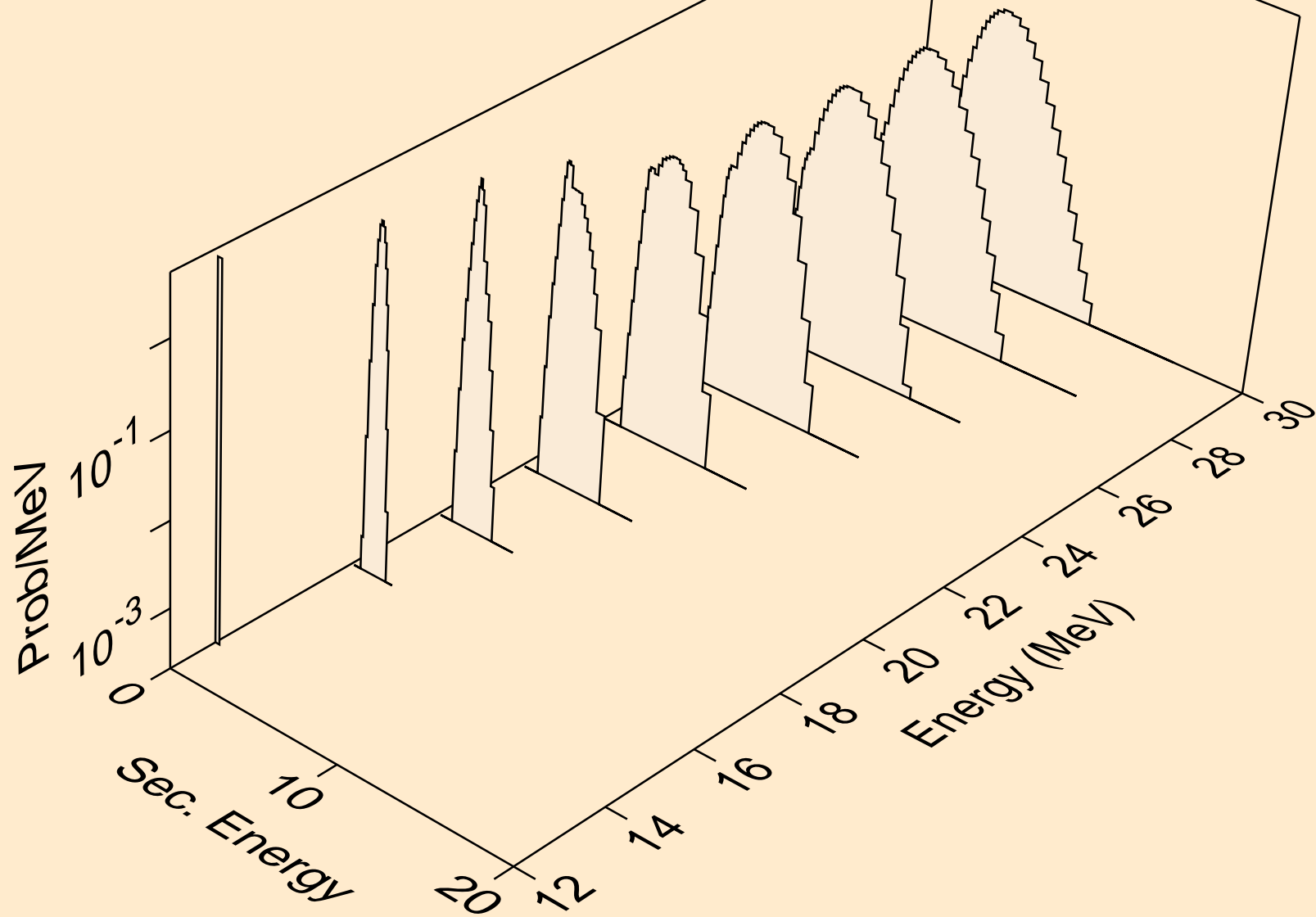
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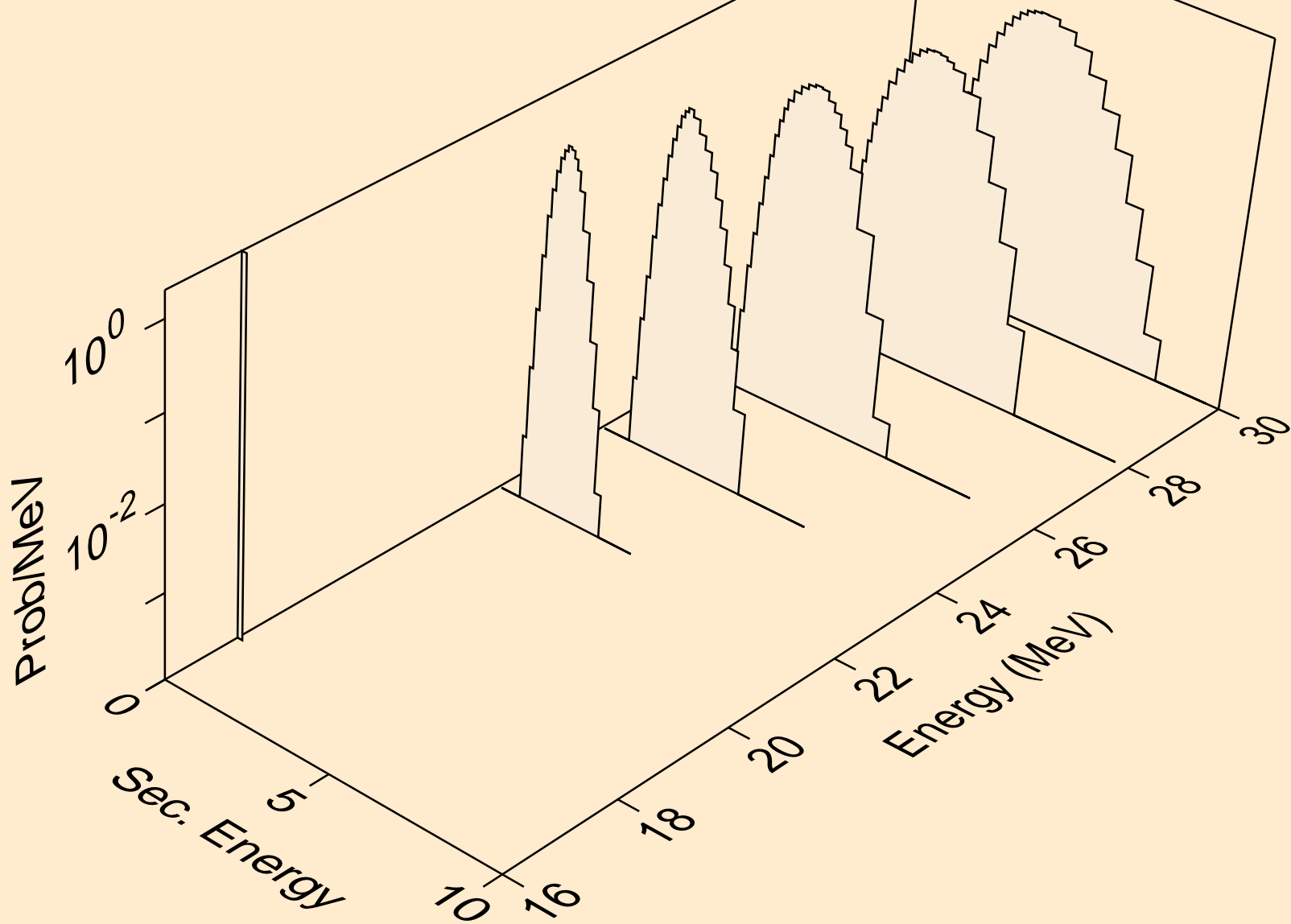
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protons from (n,p)



Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pd)

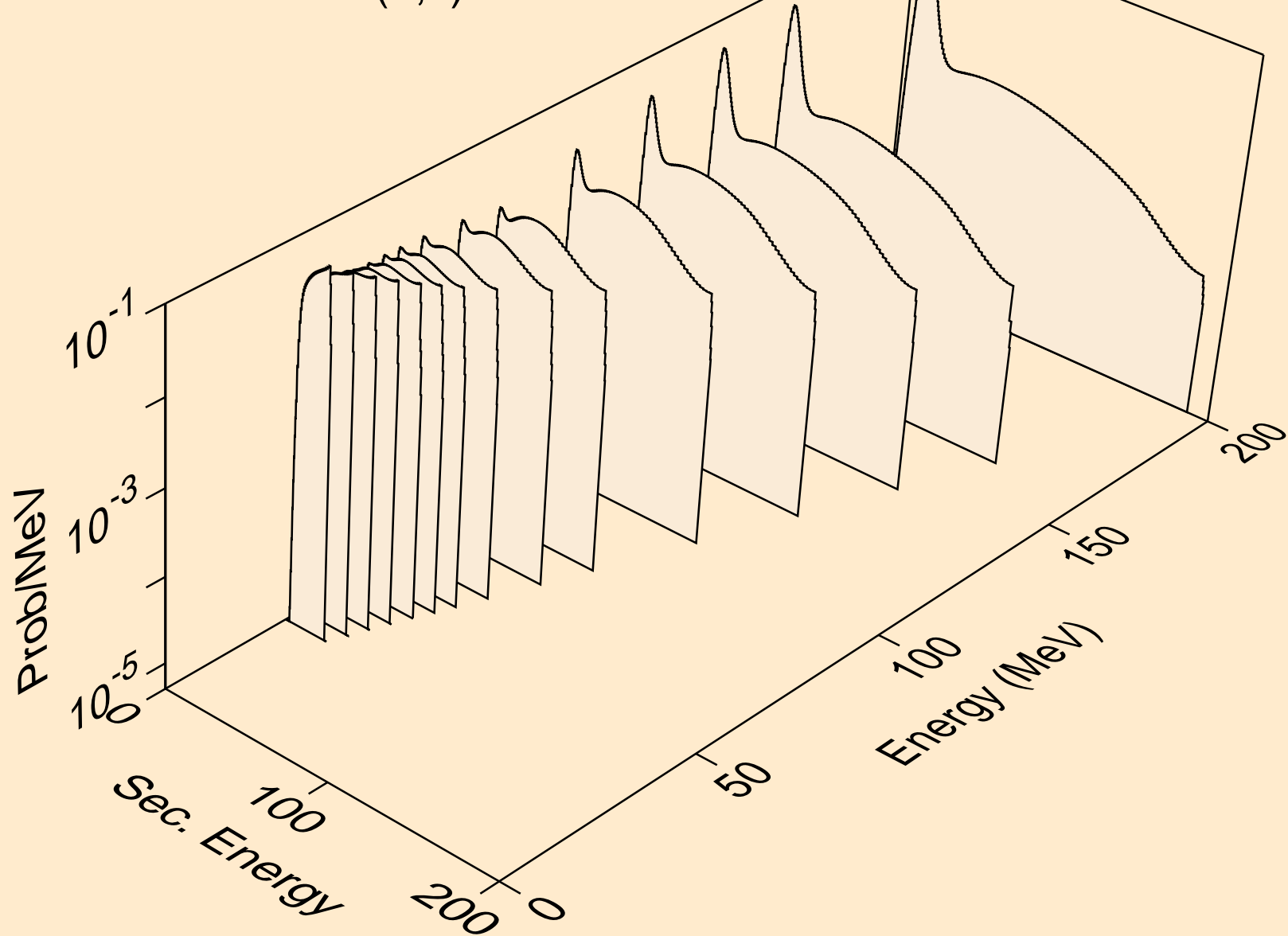


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protons from (n,pt)

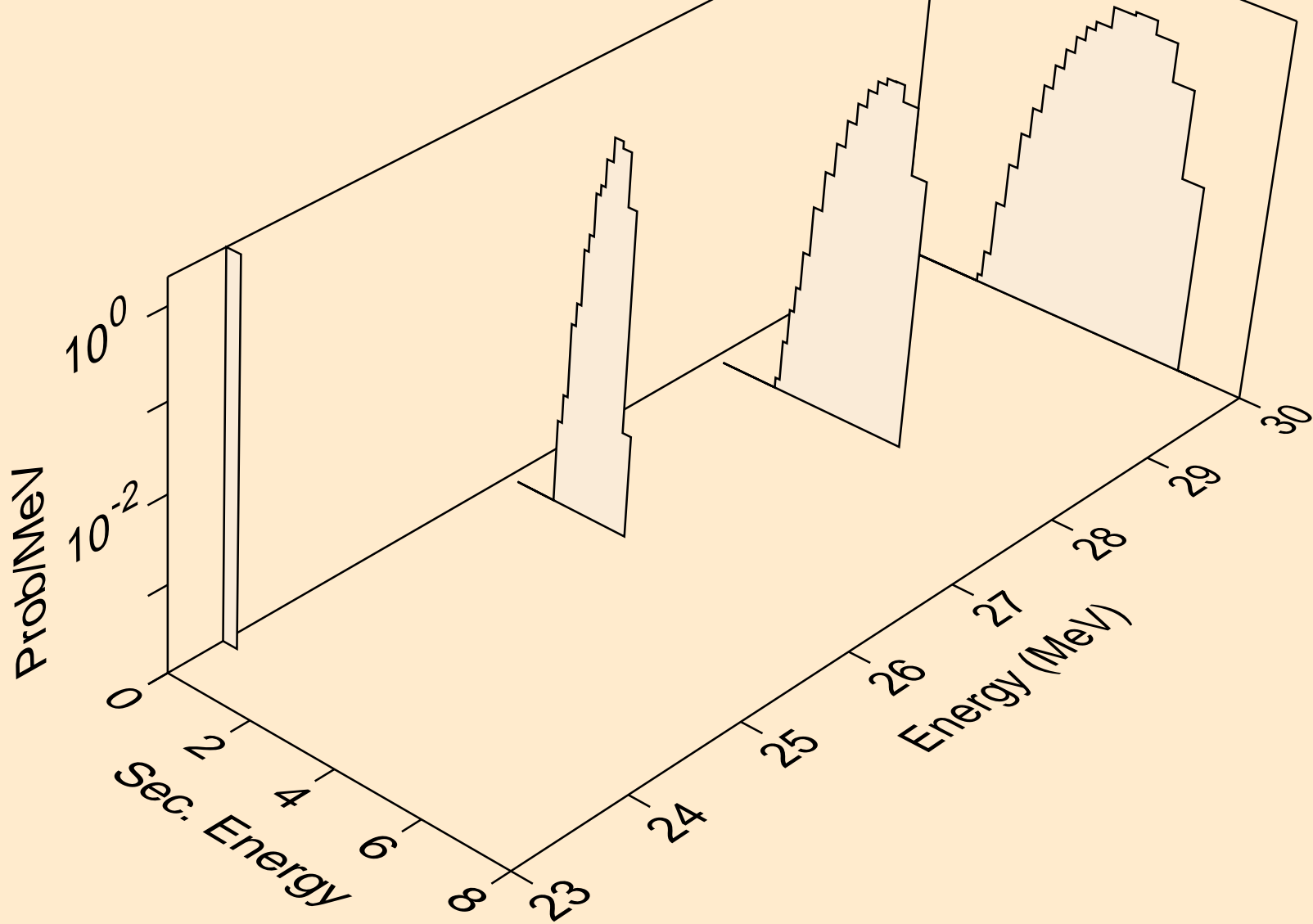




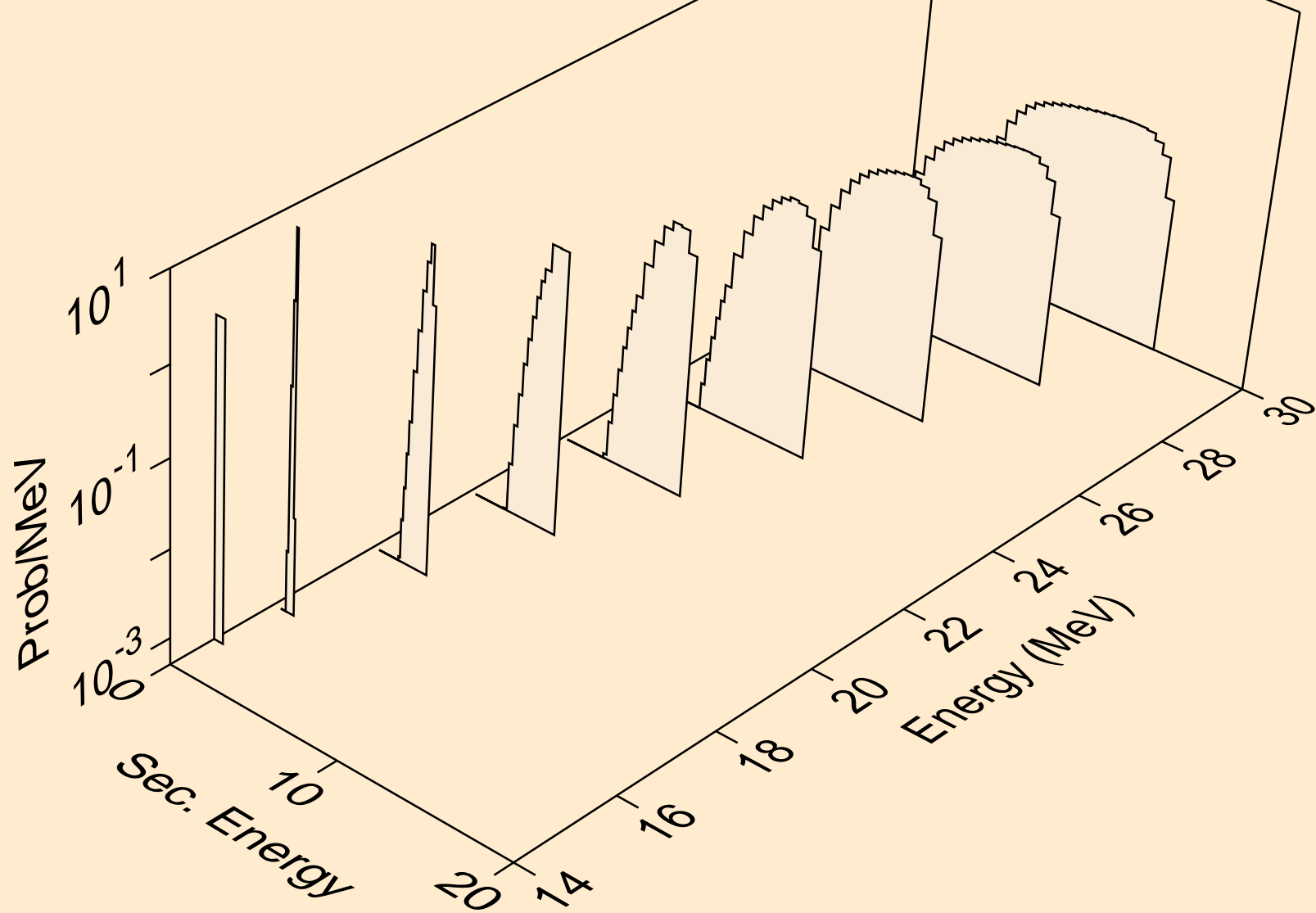
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deuterons from (n,x)



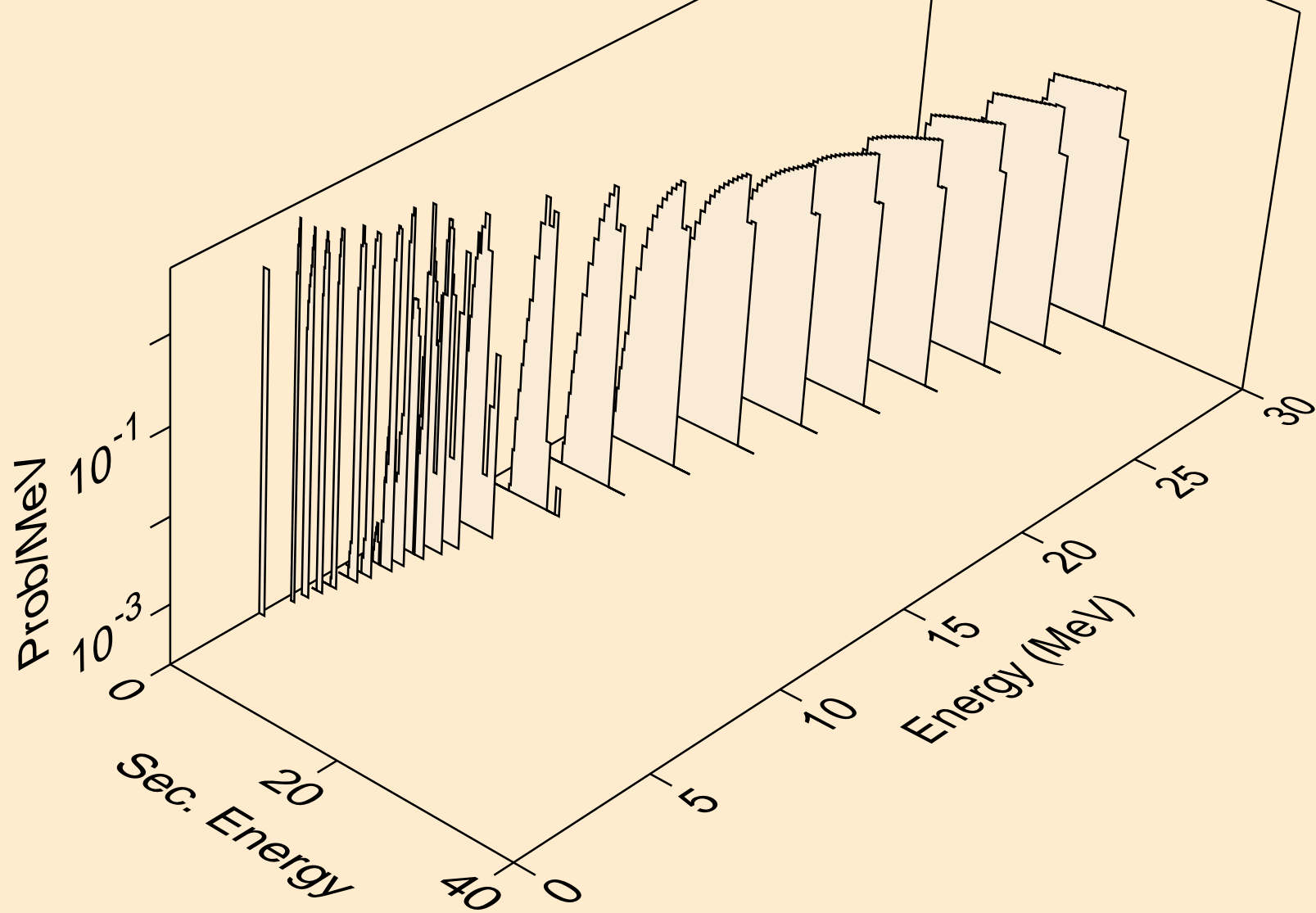
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deuterons from (n,2nd)



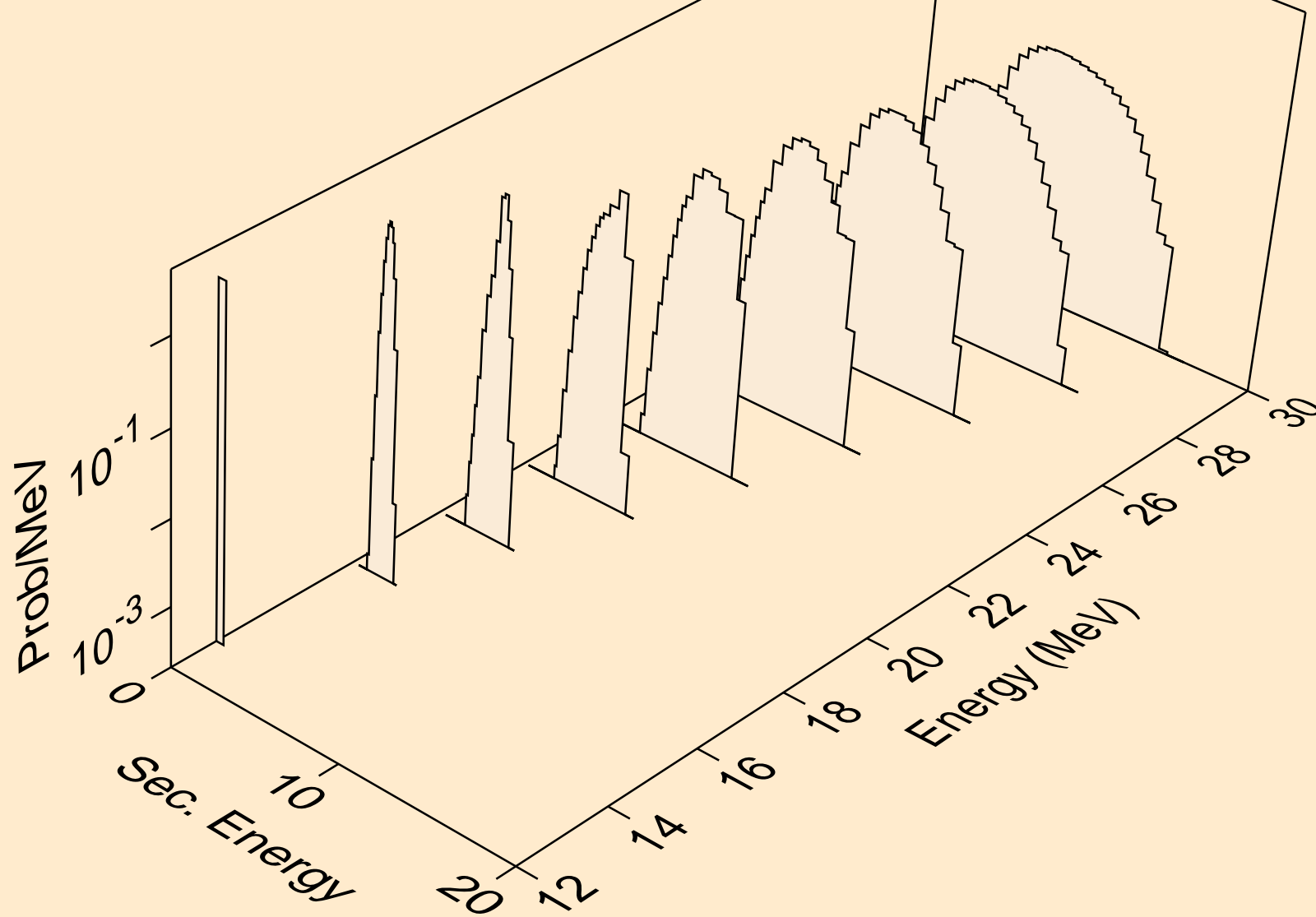
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deuterons from (n,n\*)d



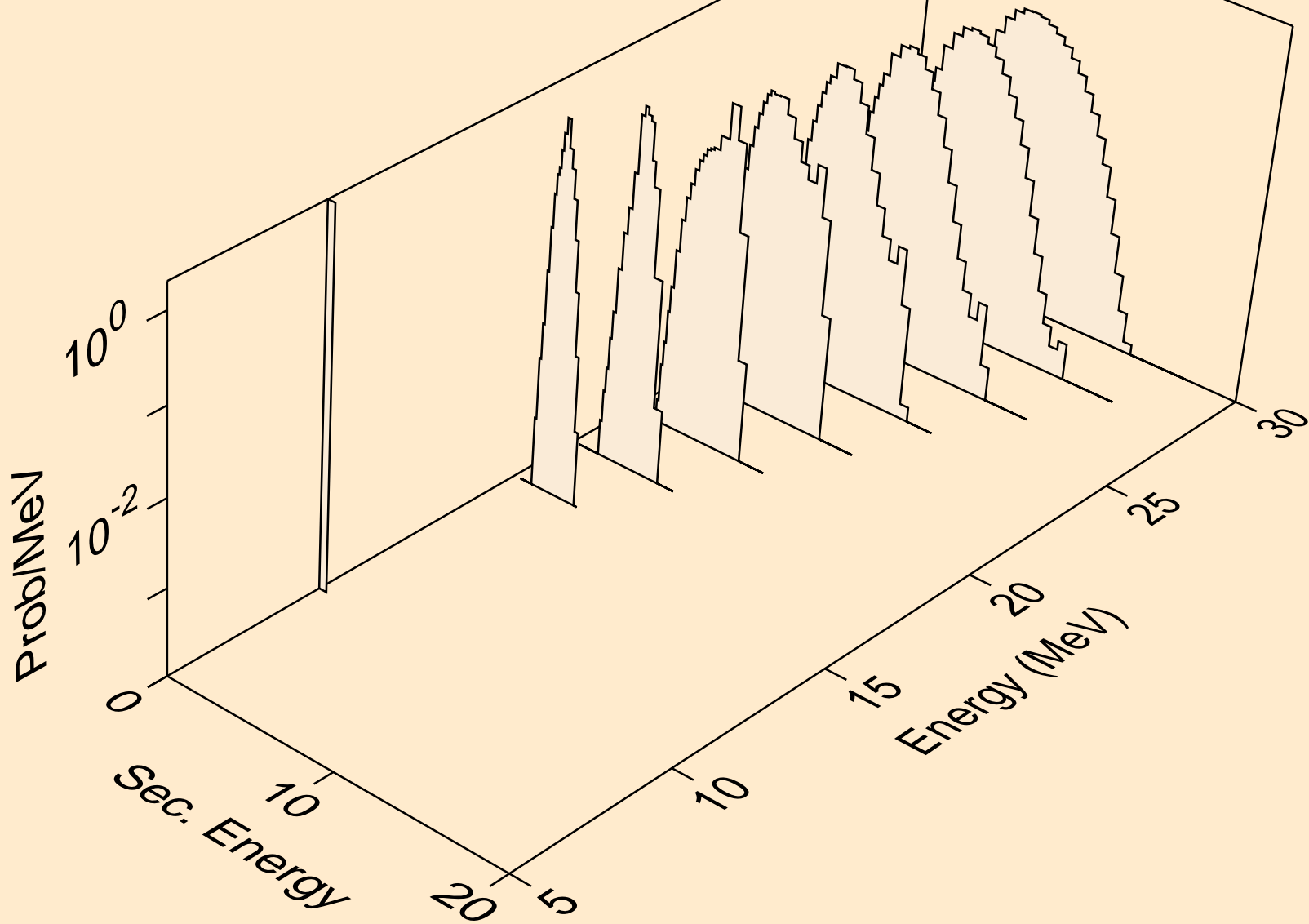
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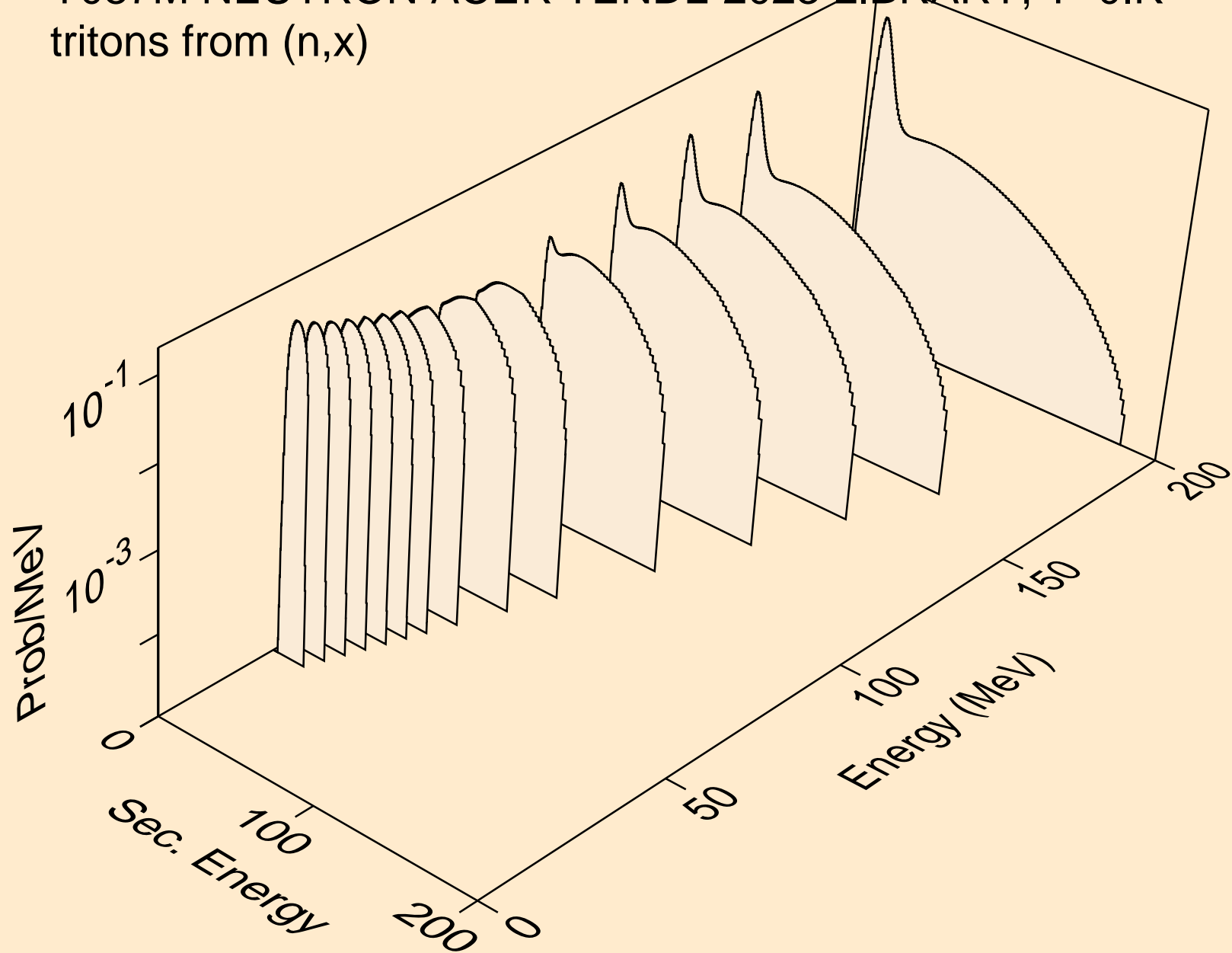
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deuterons from (n,pd)



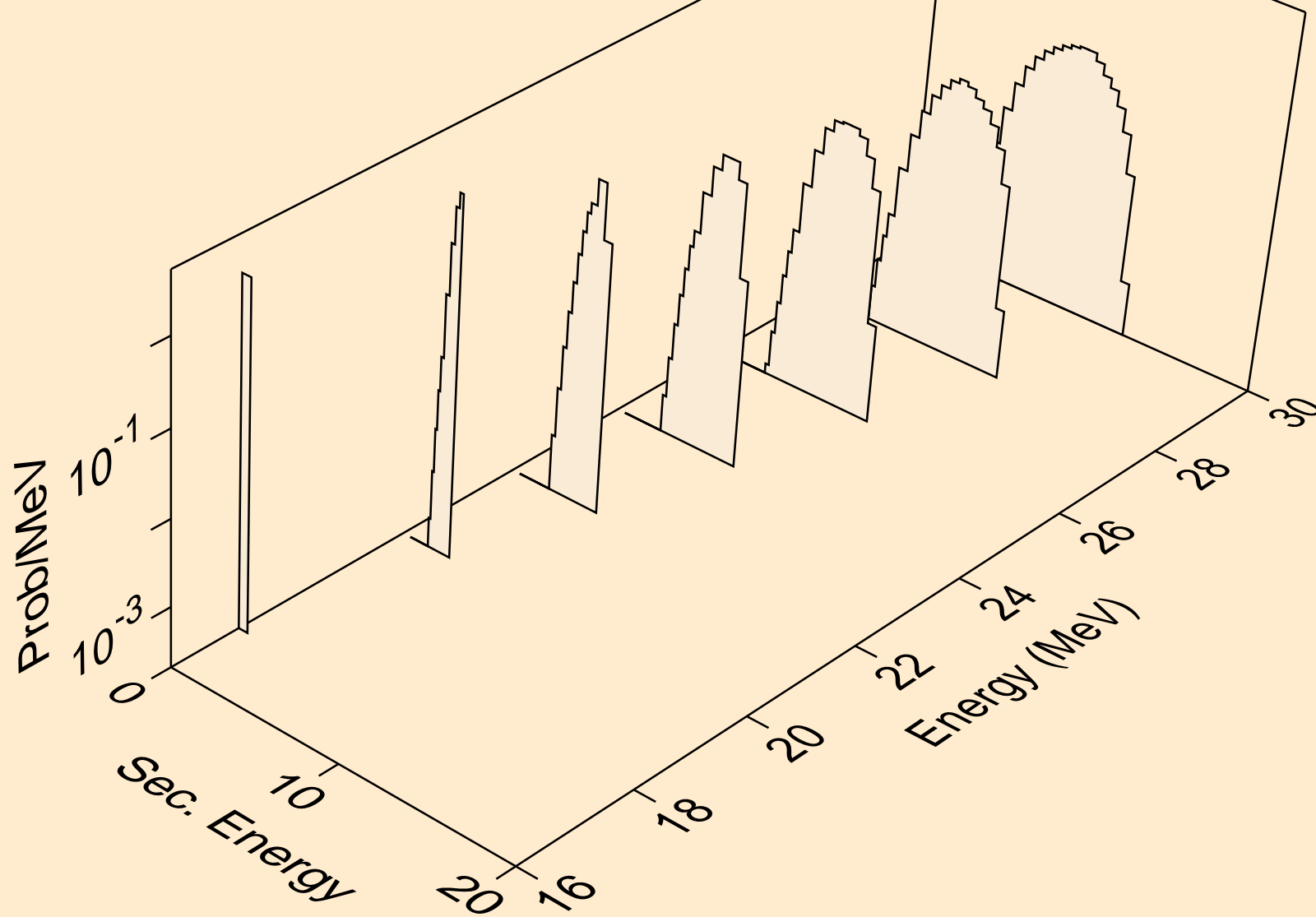
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deuterons from (n,da)



Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)

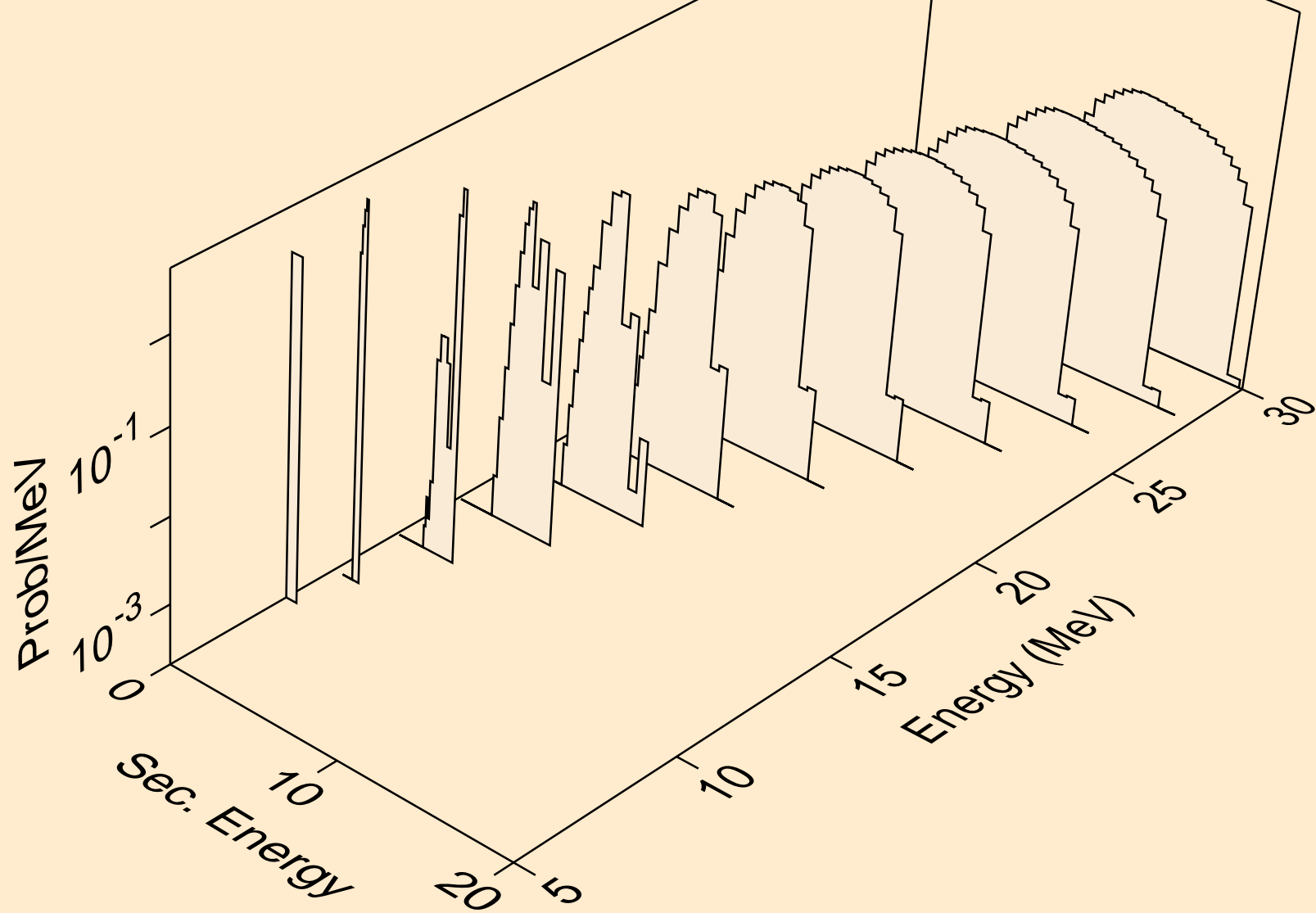


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tritons from (n,n\*)t

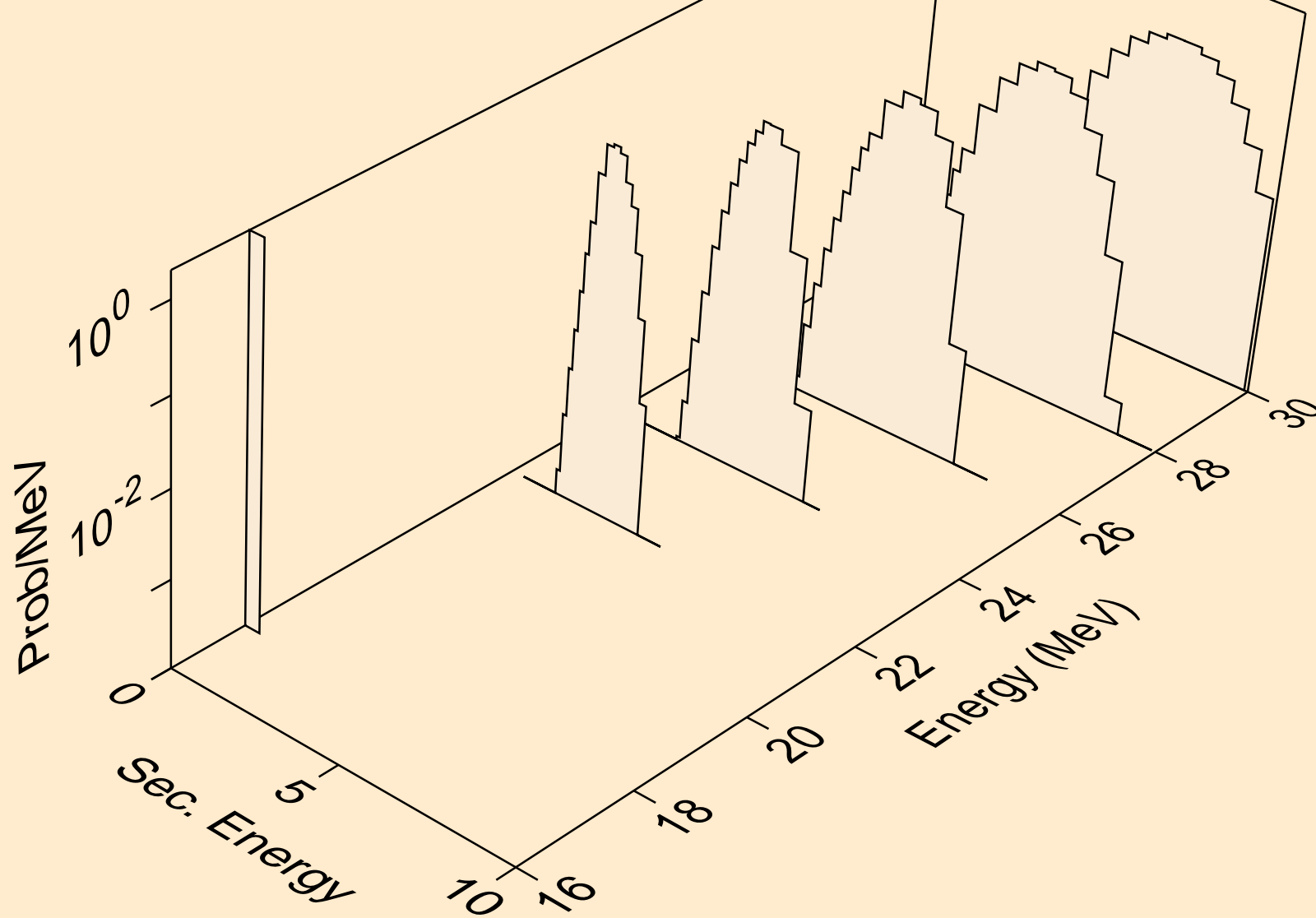




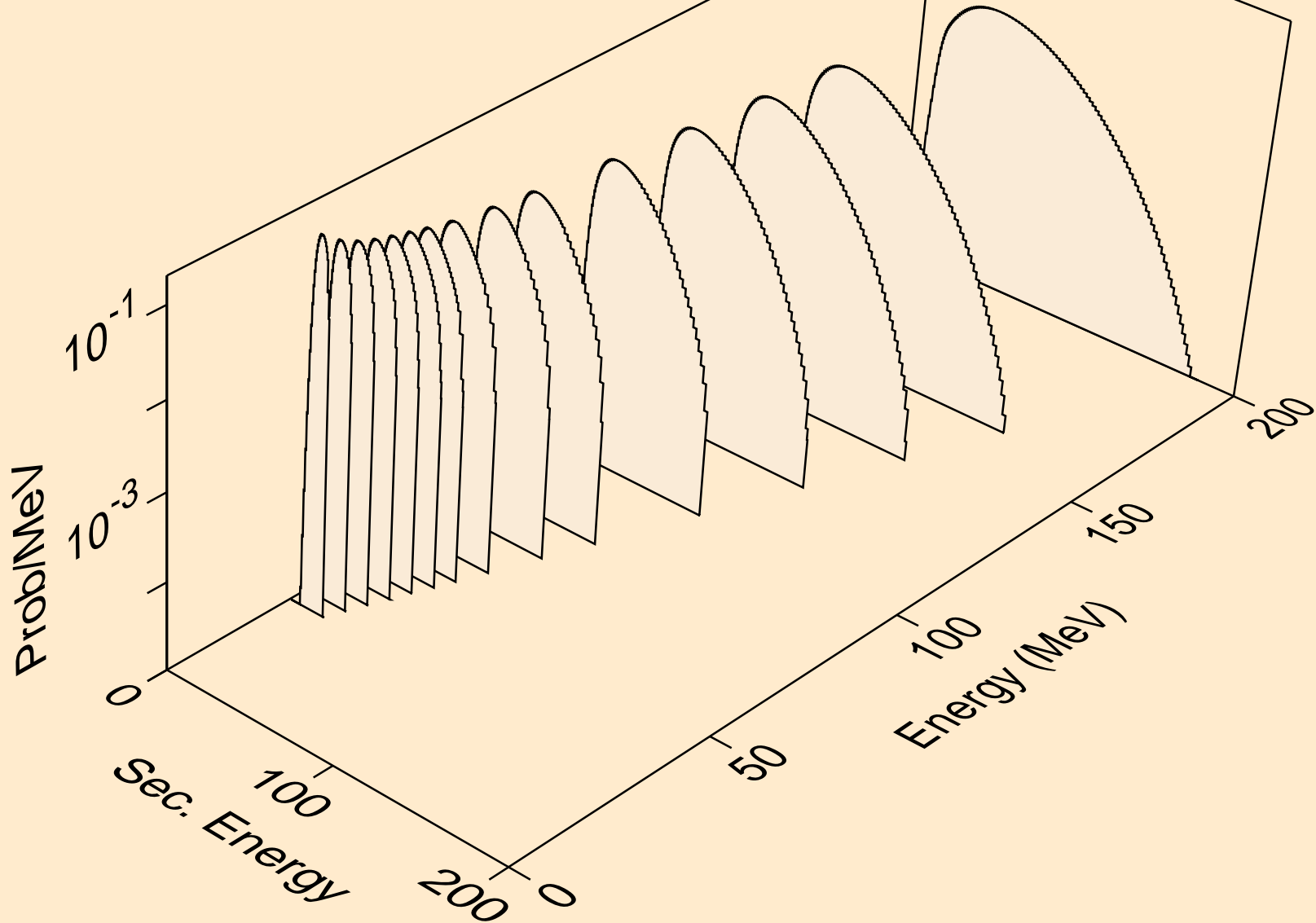
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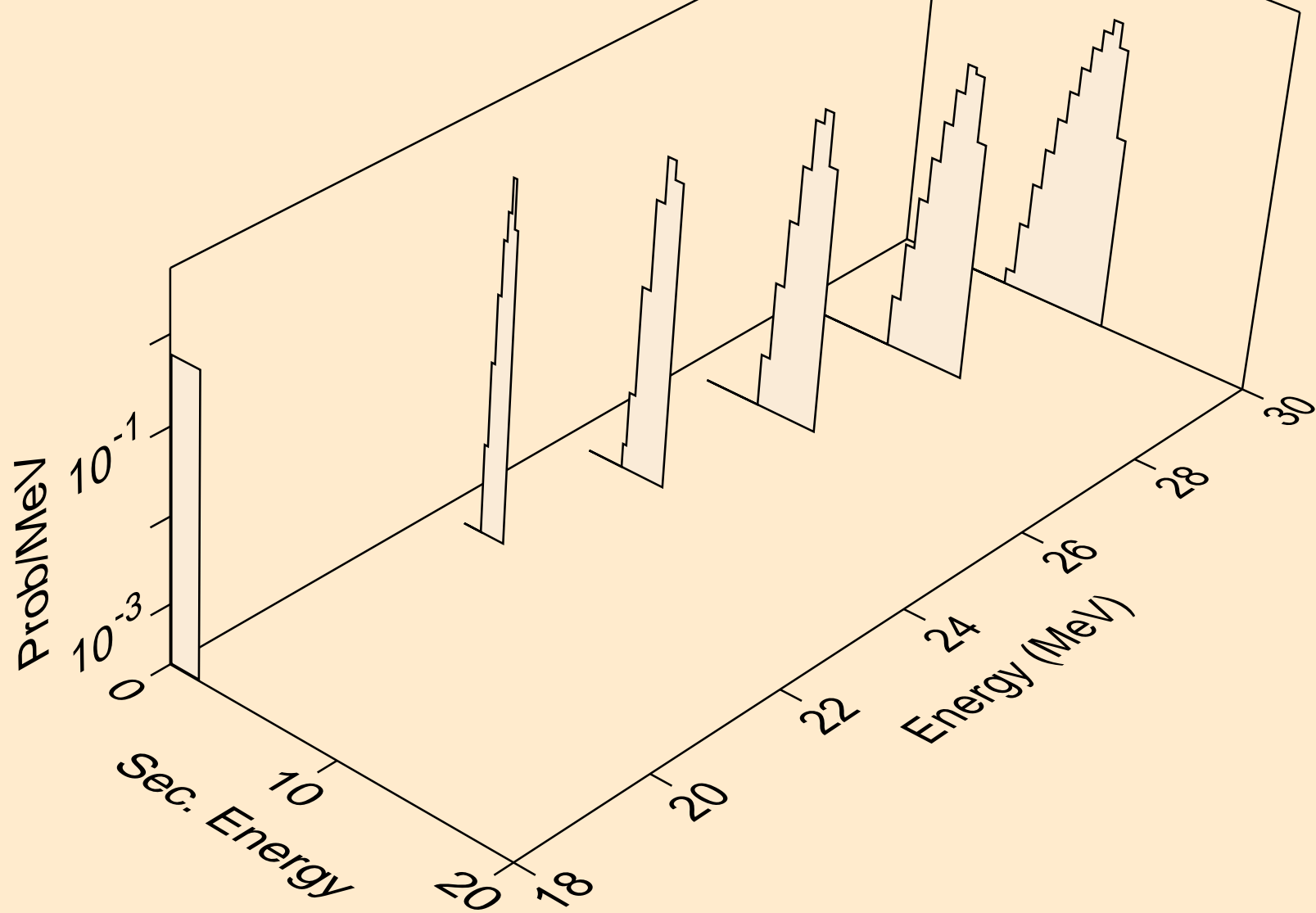
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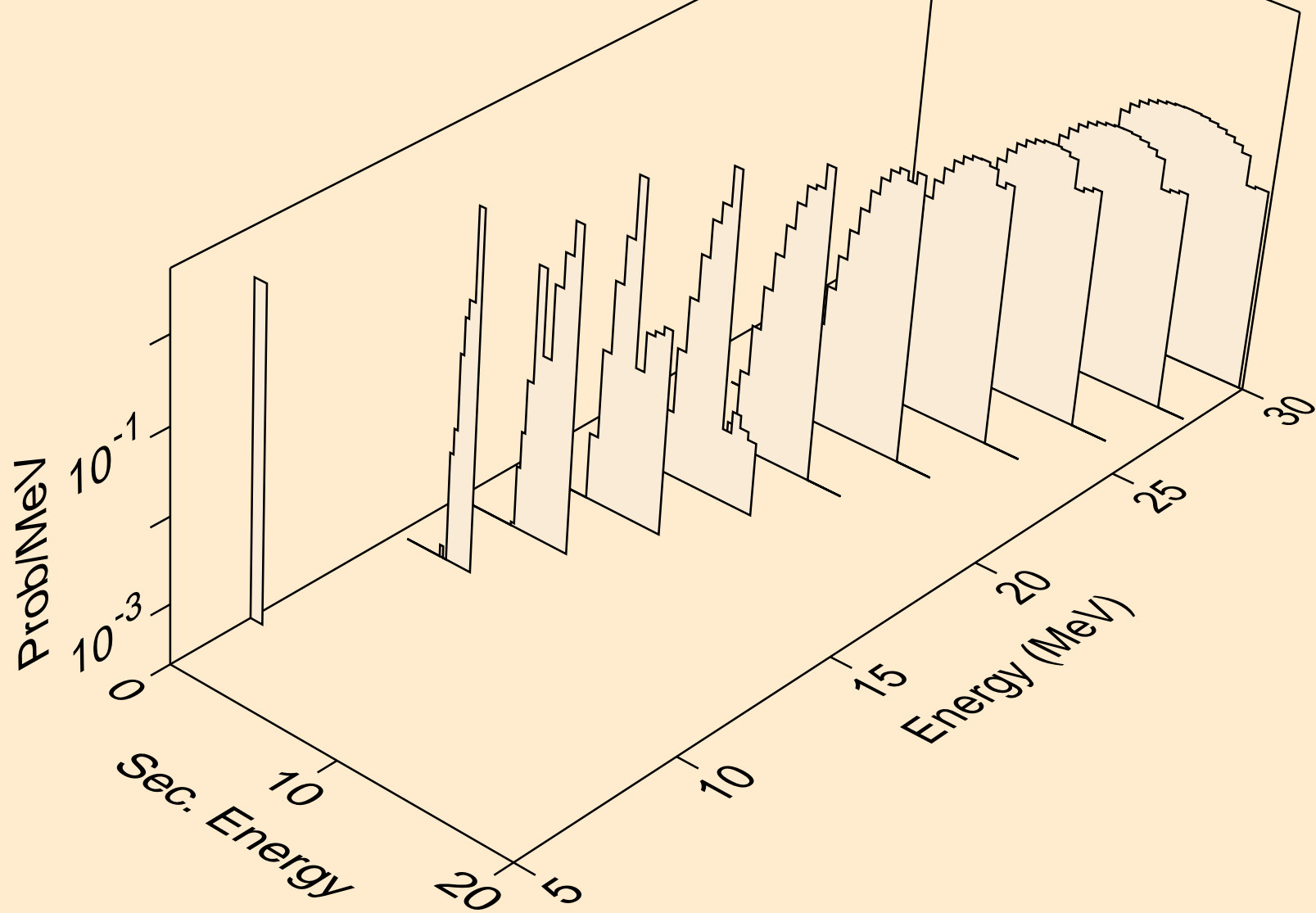
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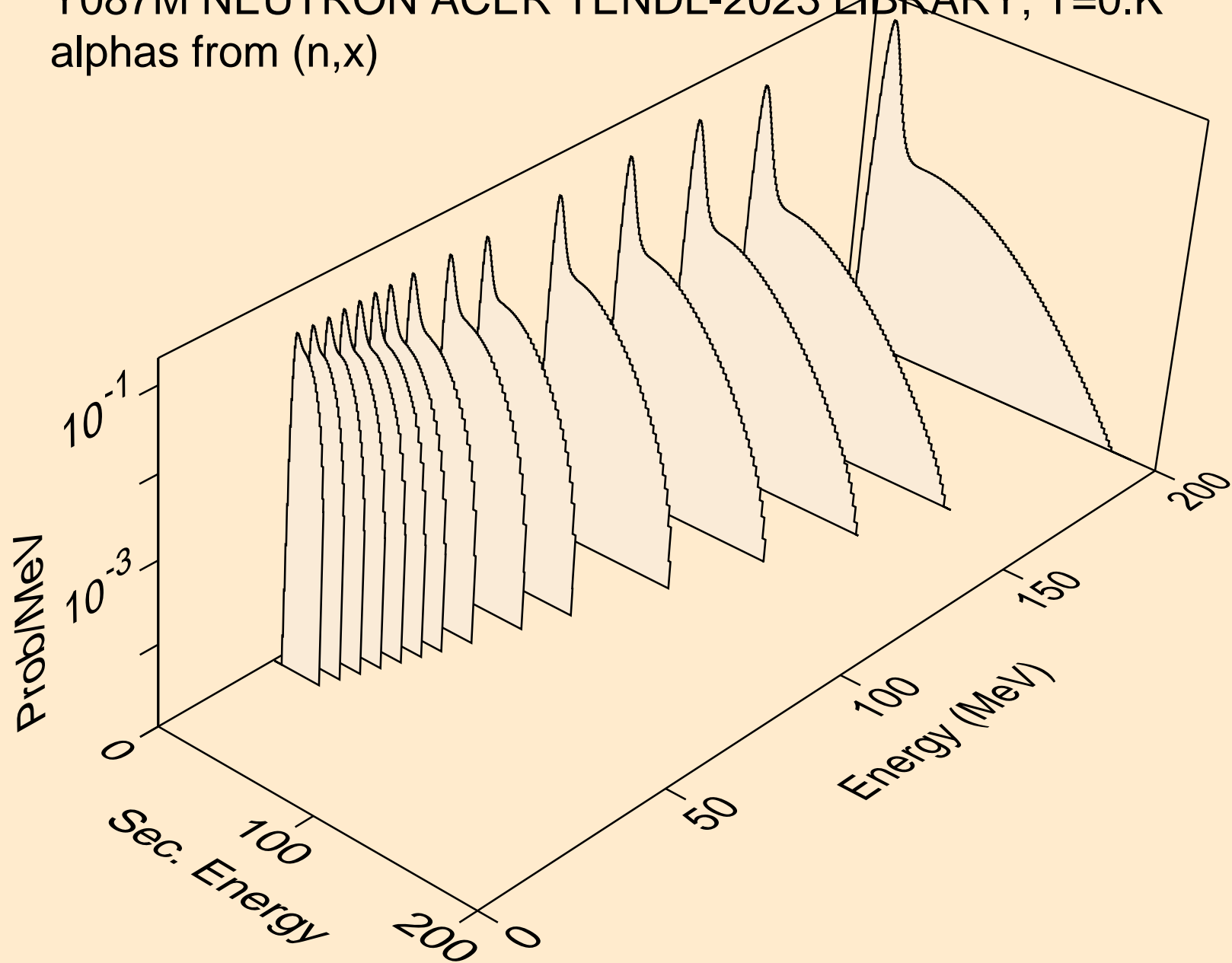
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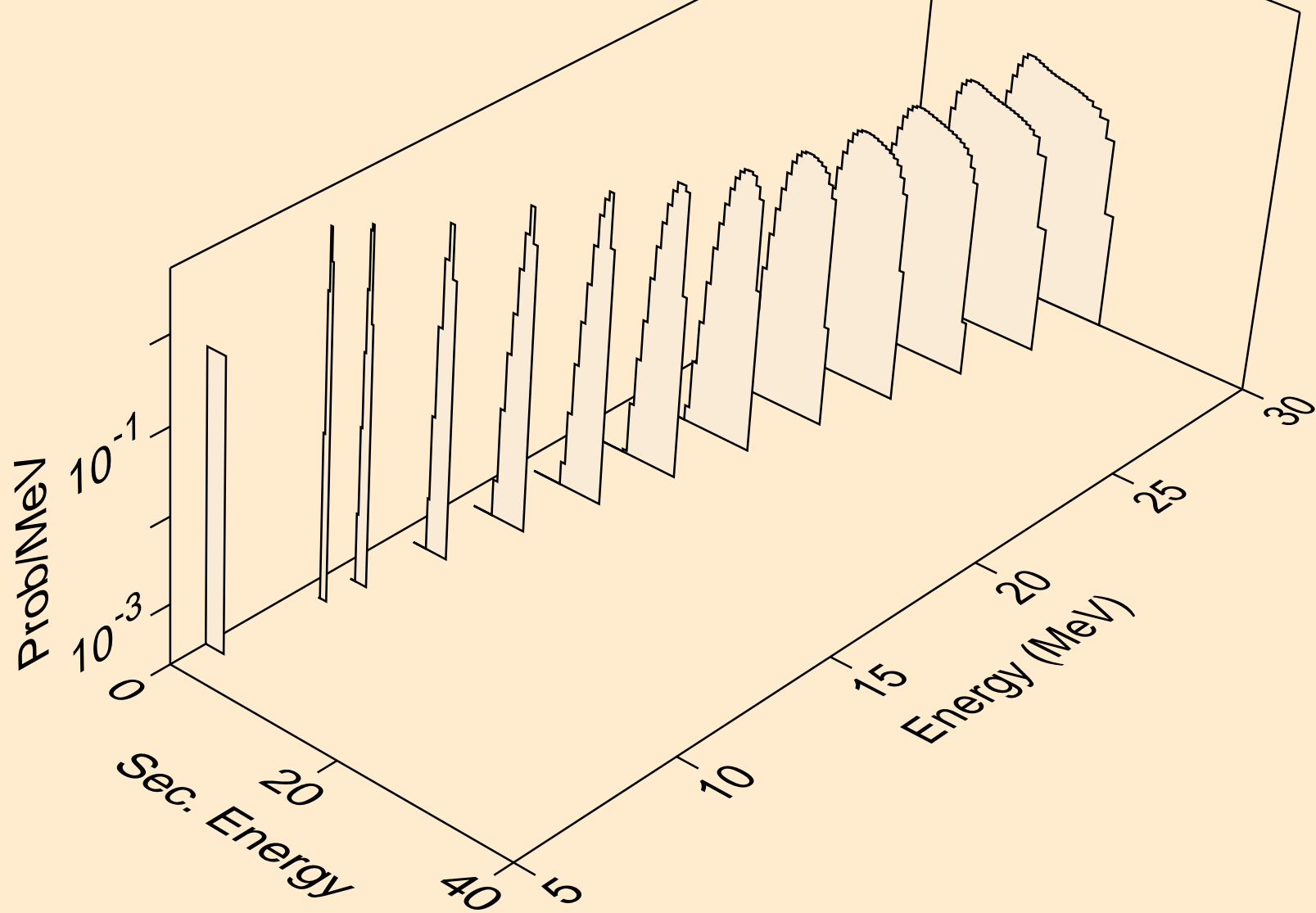
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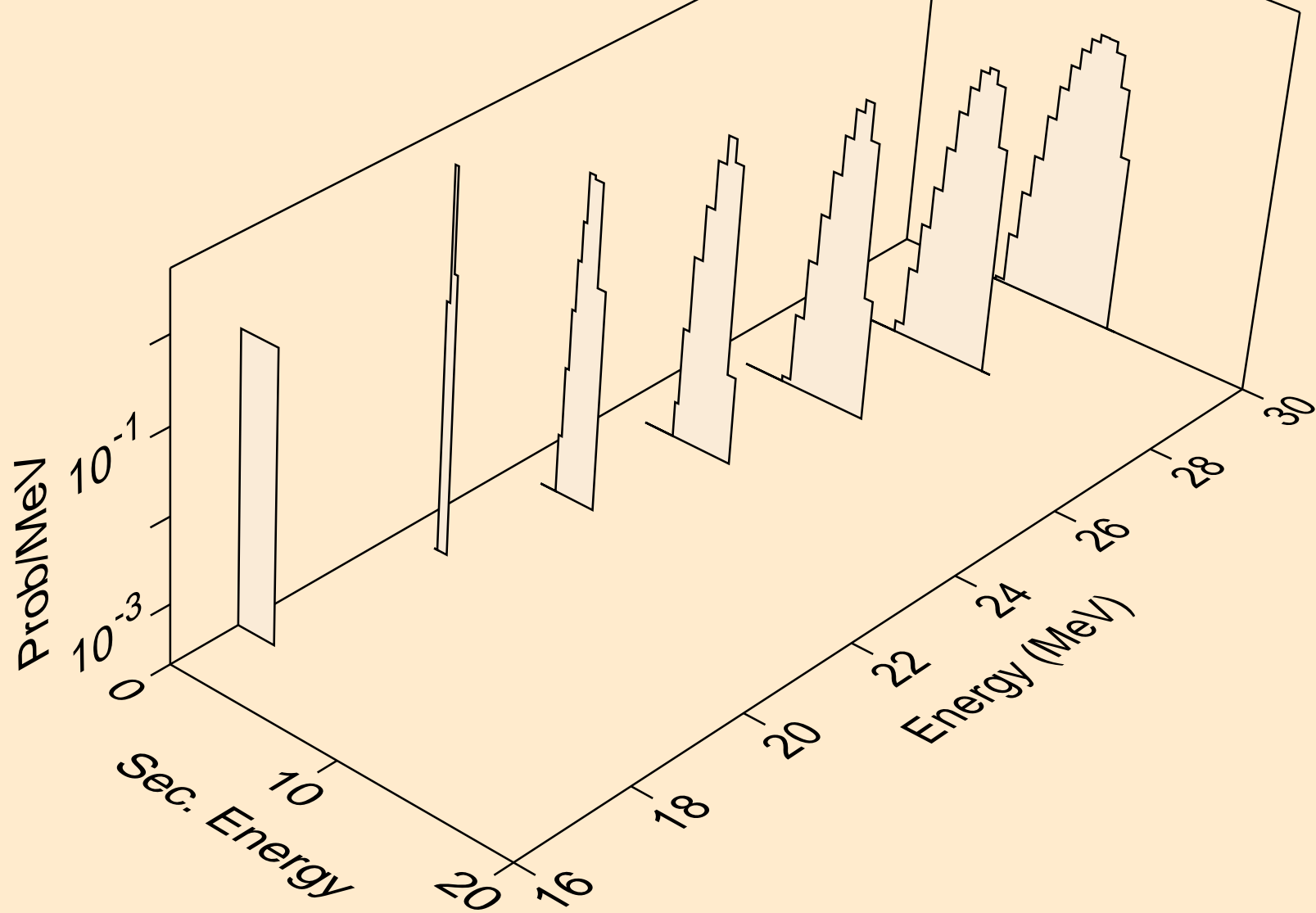
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alphas from (n,x)



Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a

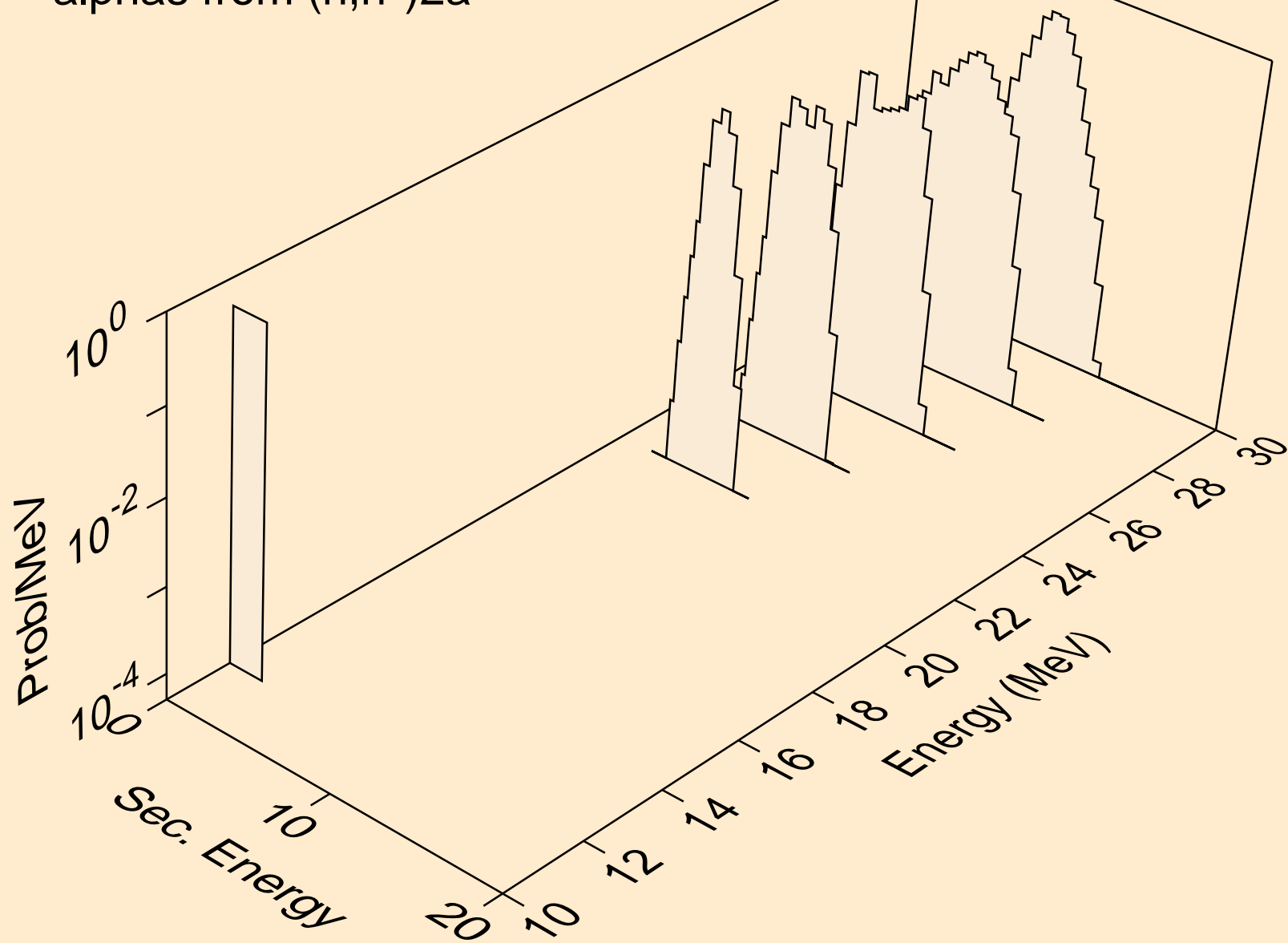


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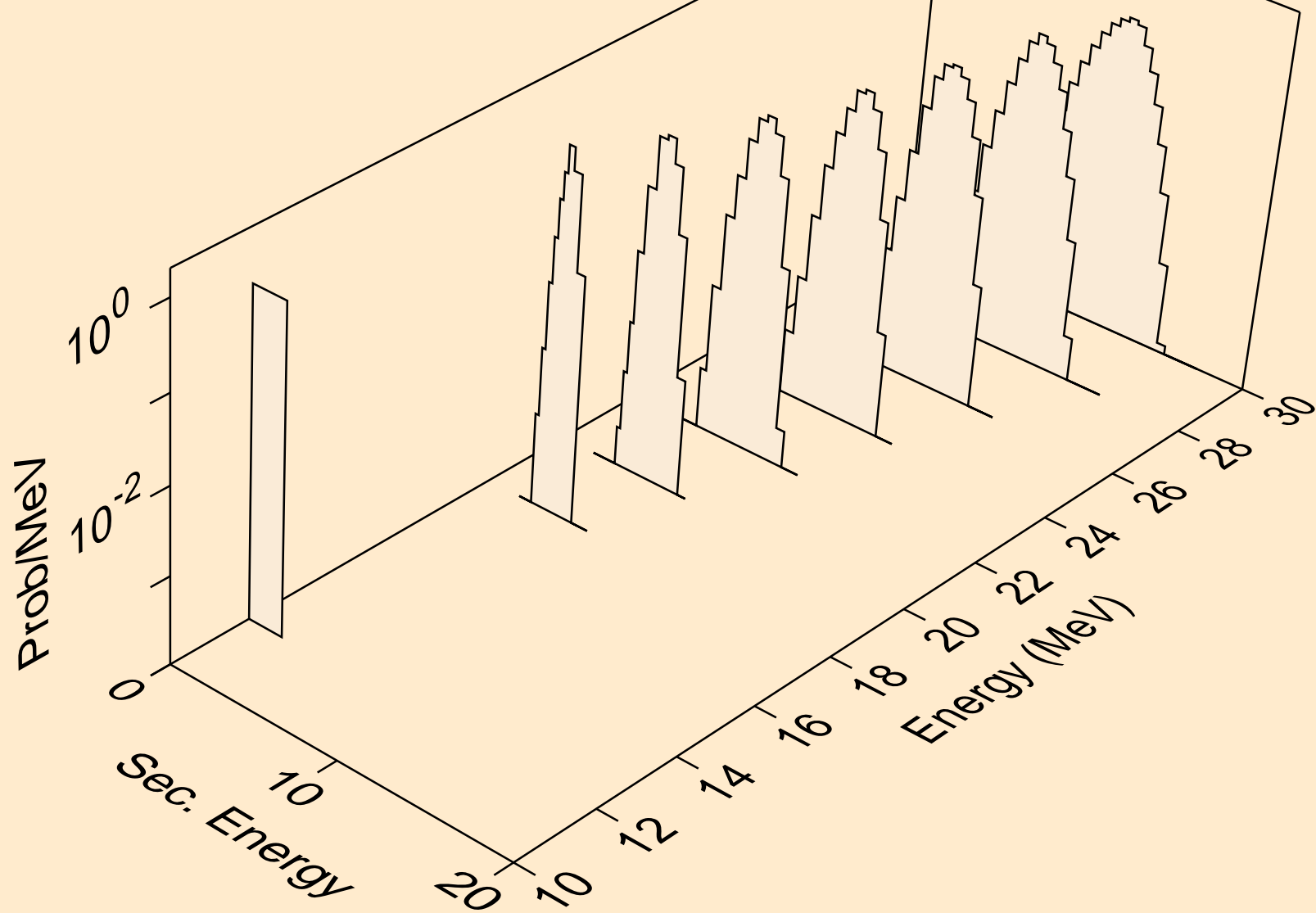




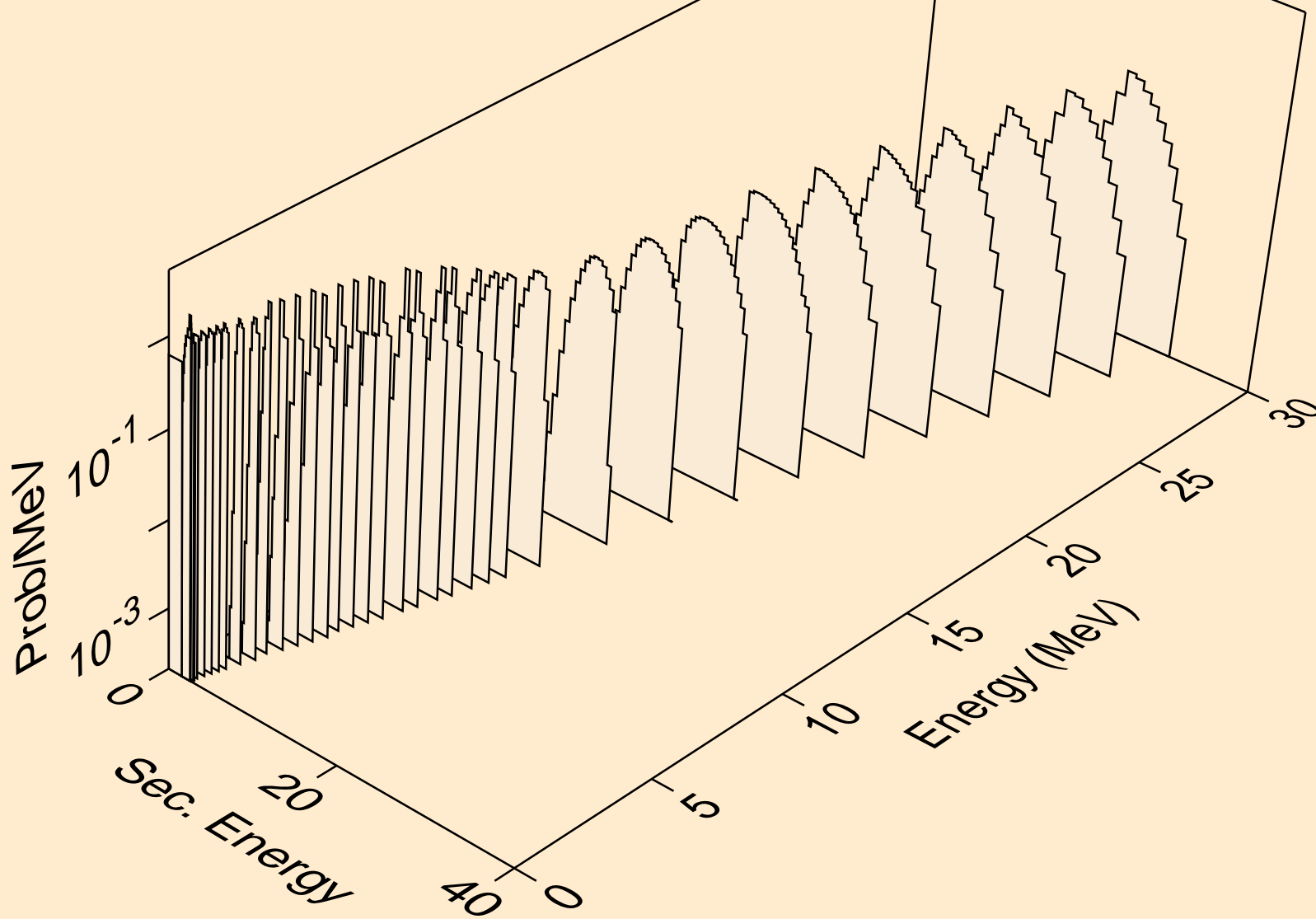
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alphas from (n,n\*)2a



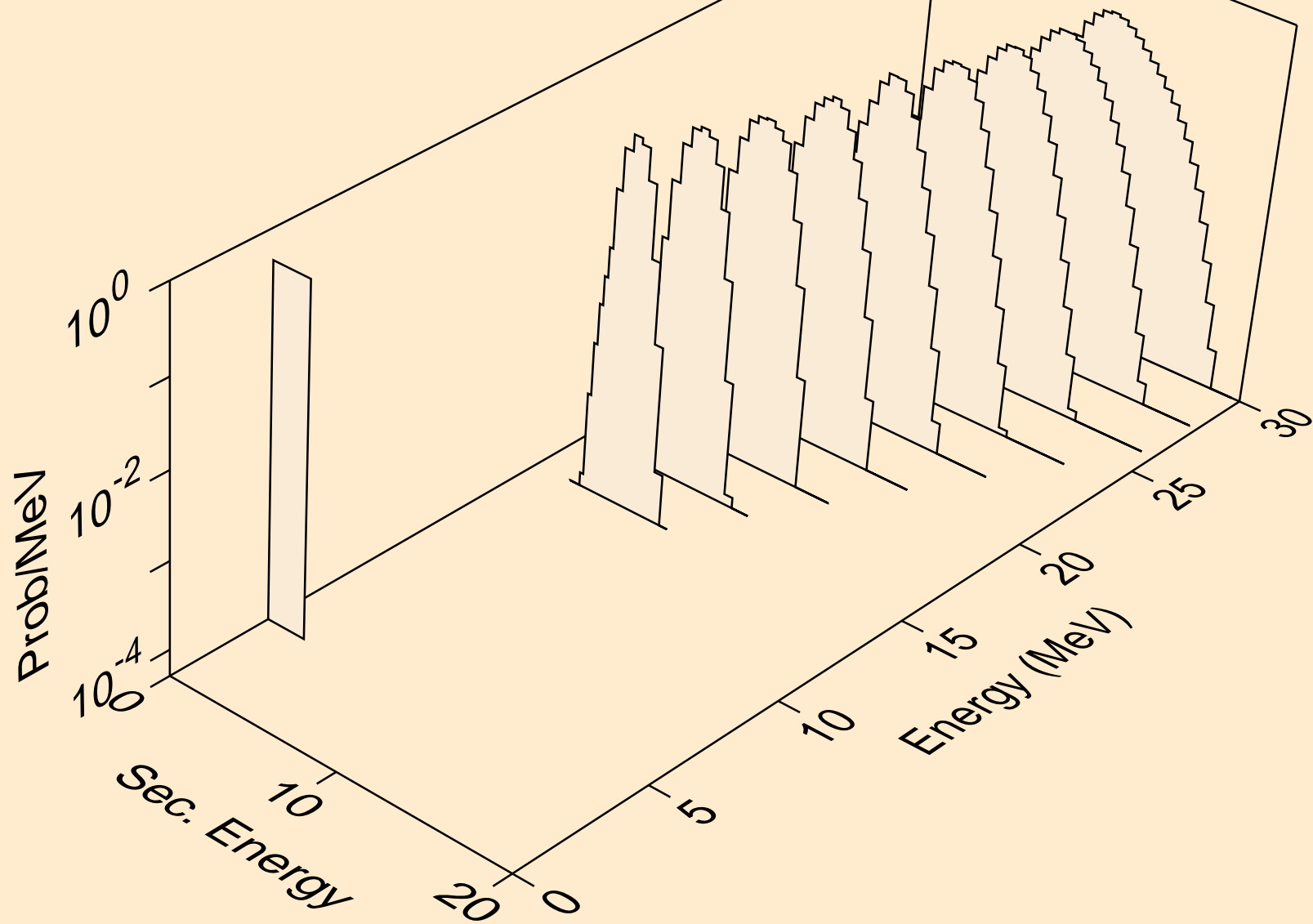
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alphas from (n,npa)



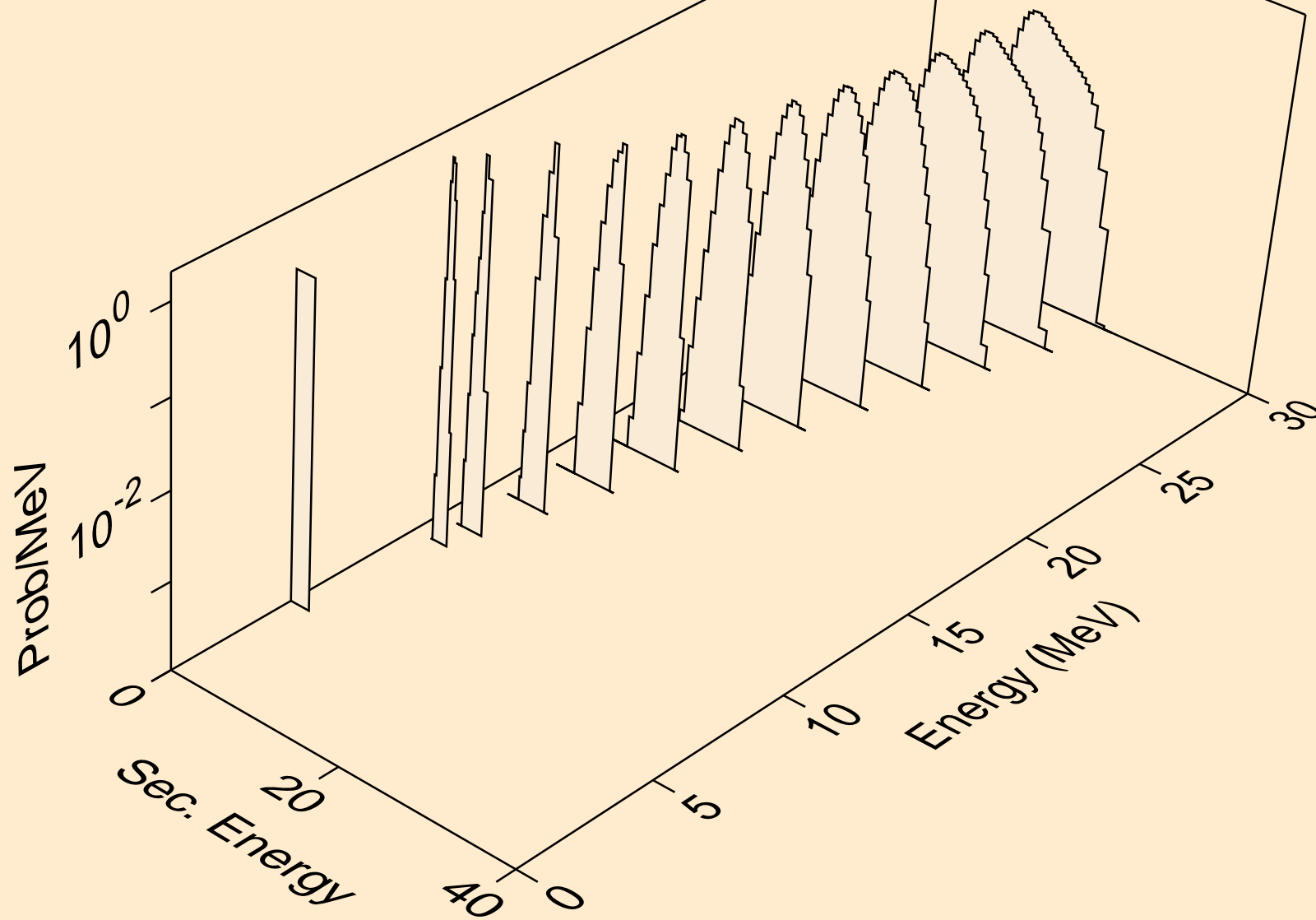
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alphas from (n,a)



Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



Y087M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

