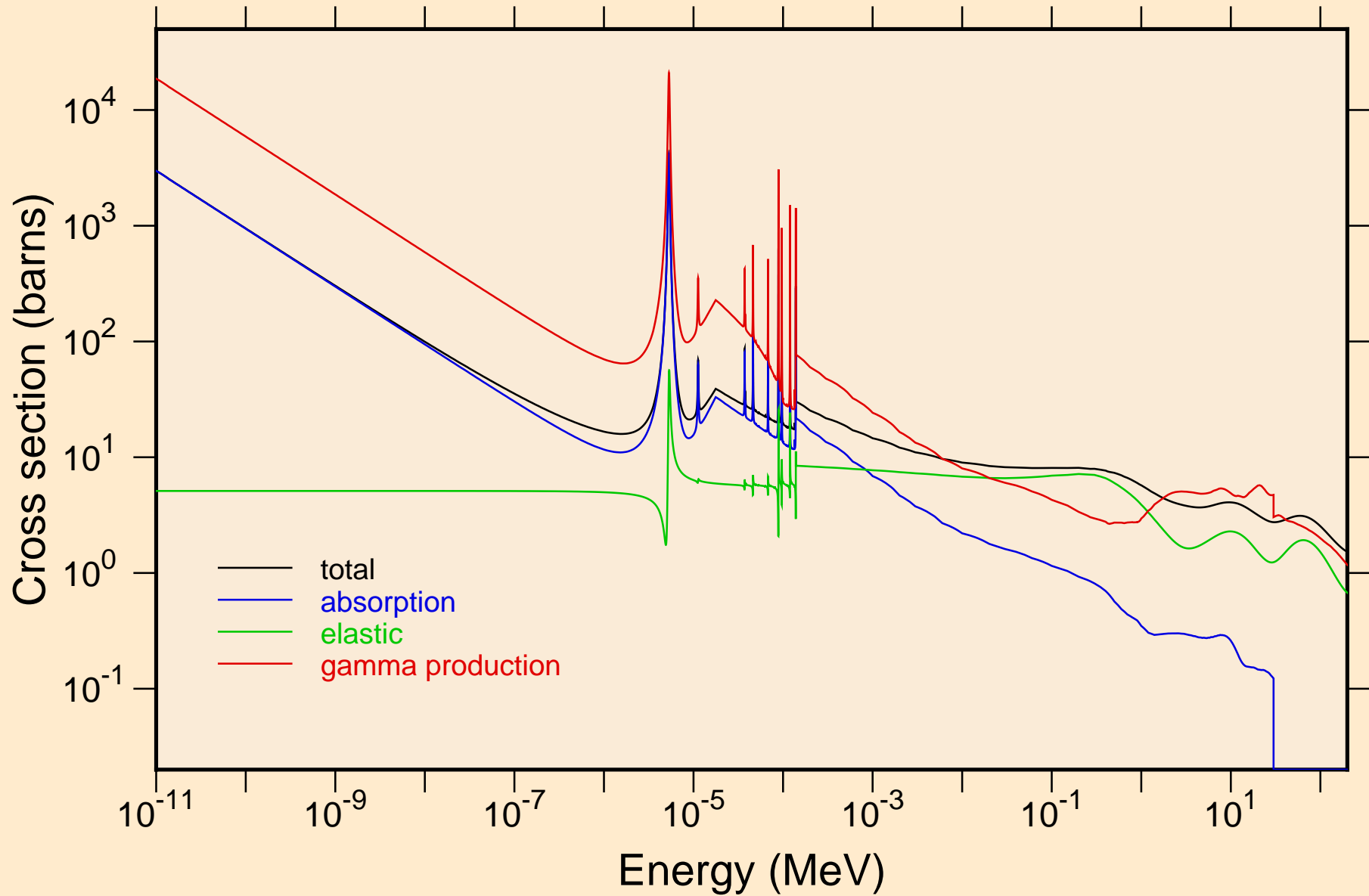
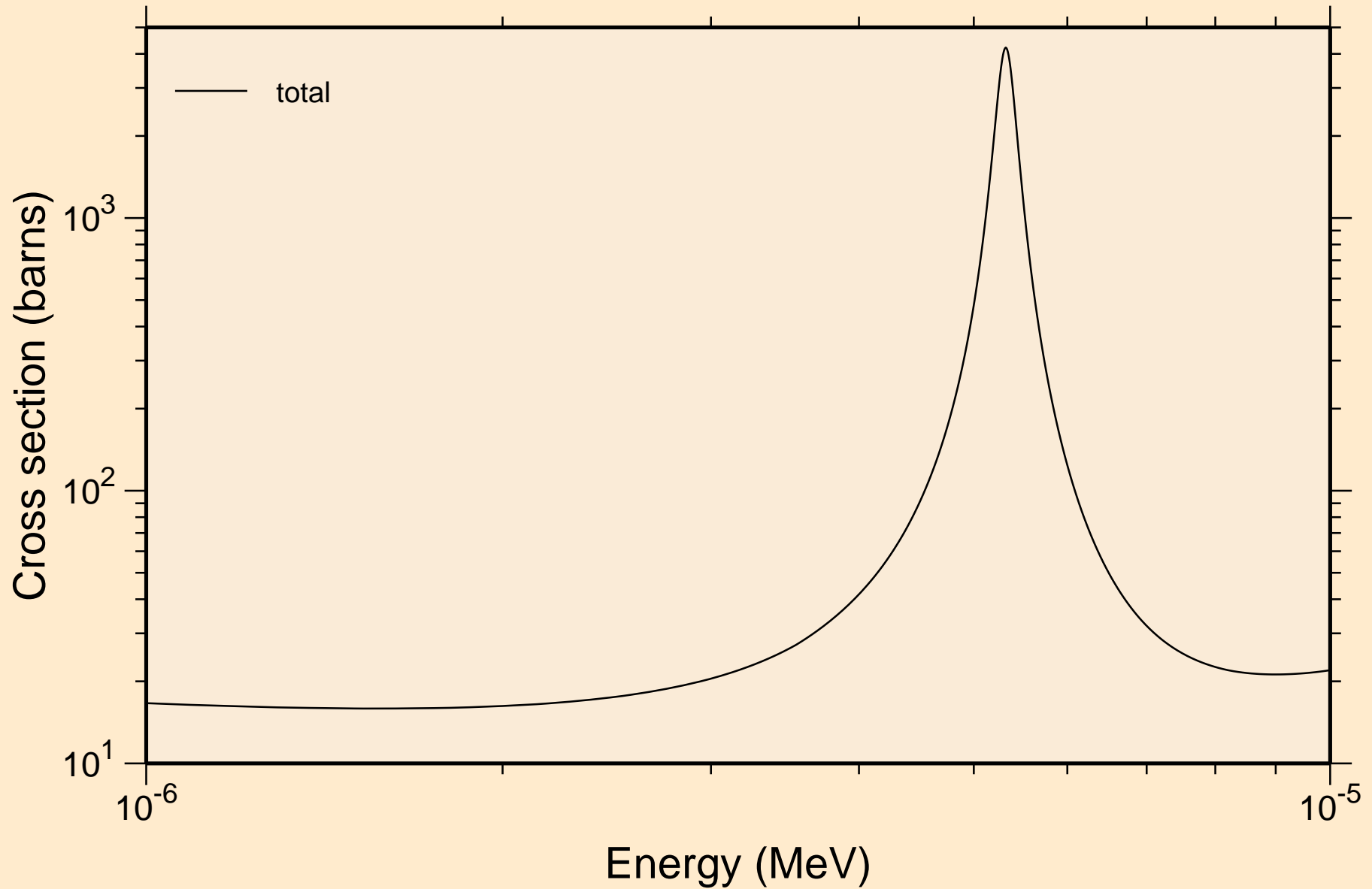


# Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

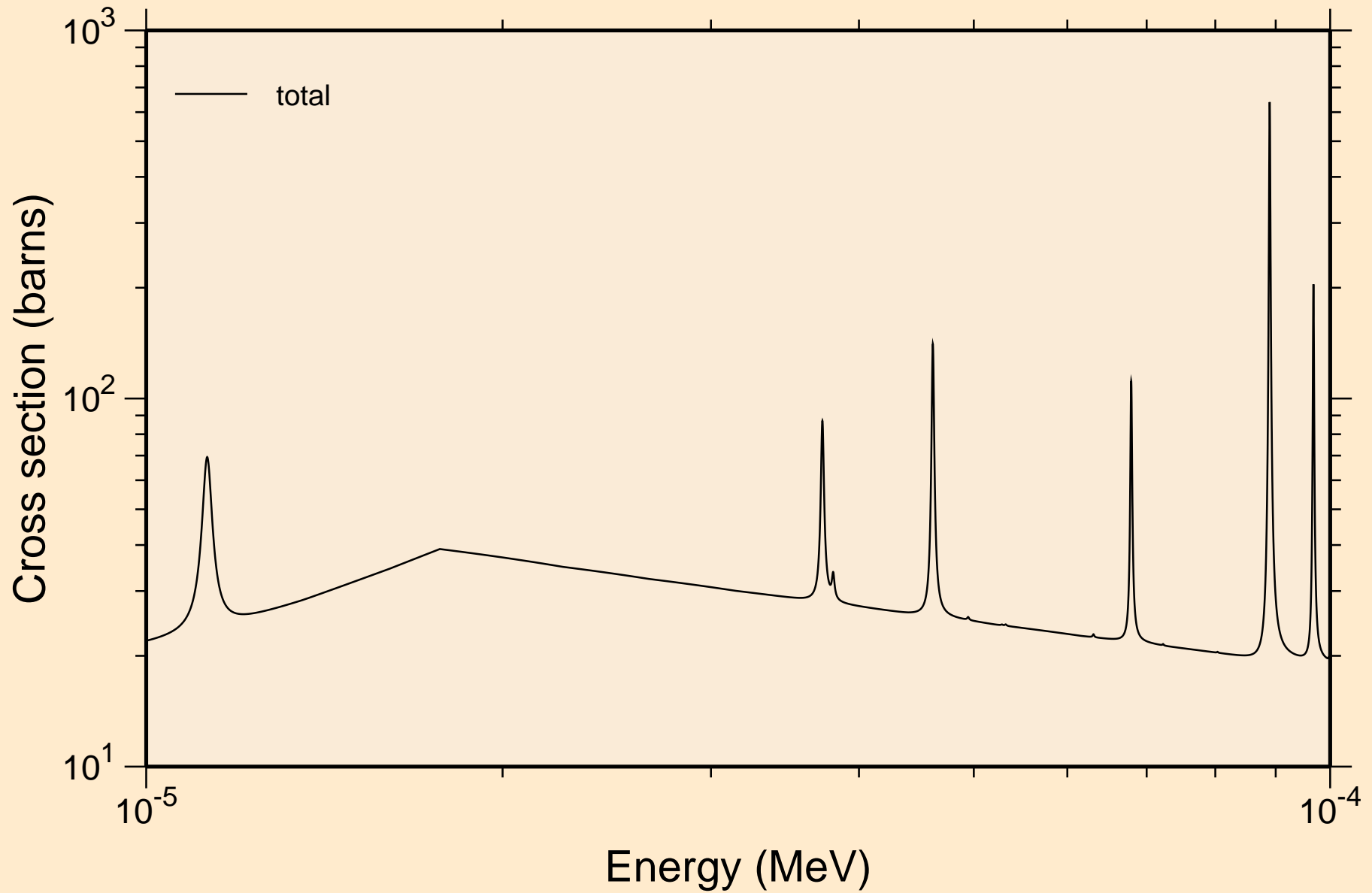
## Principal cross sections



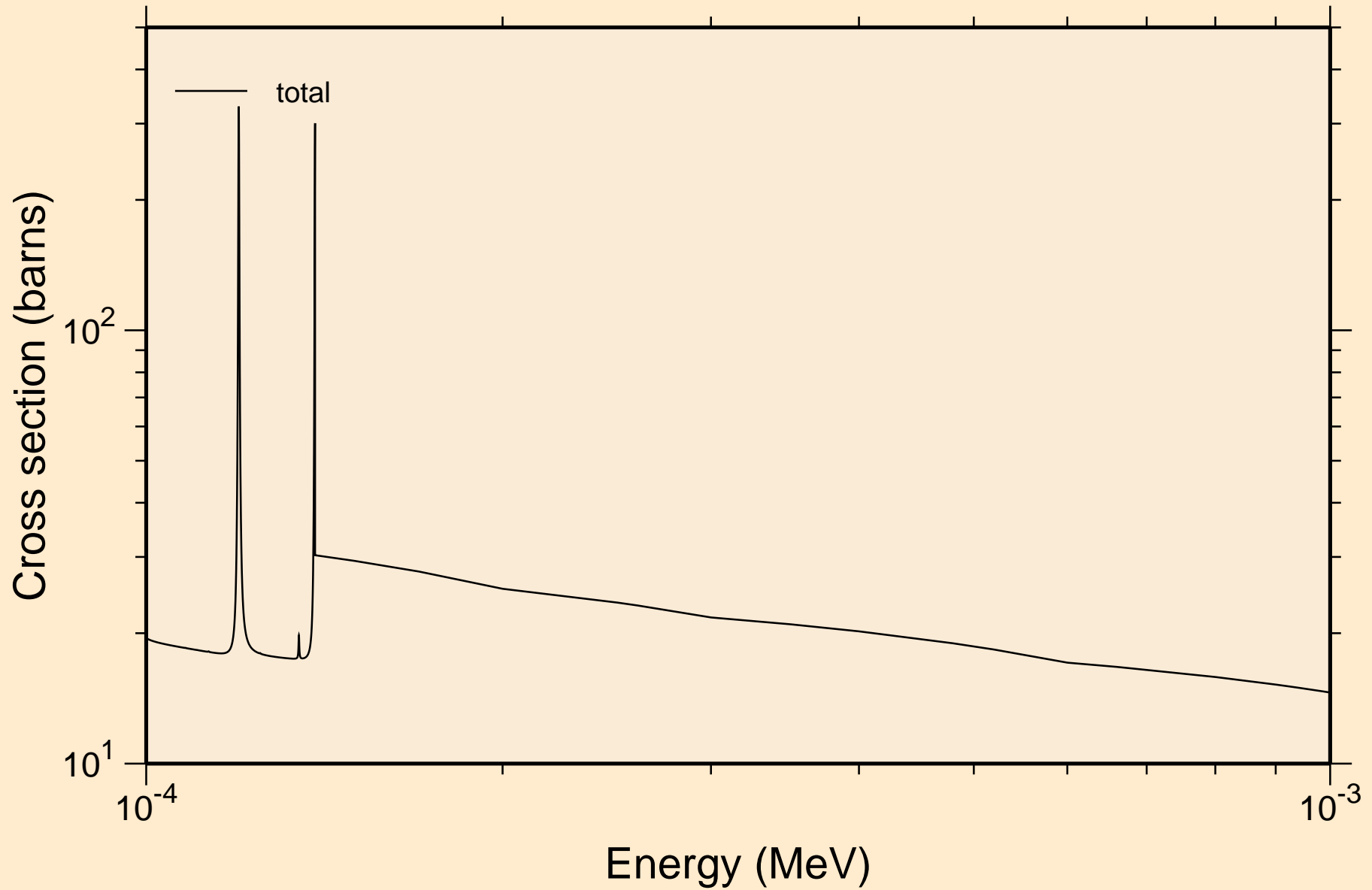
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



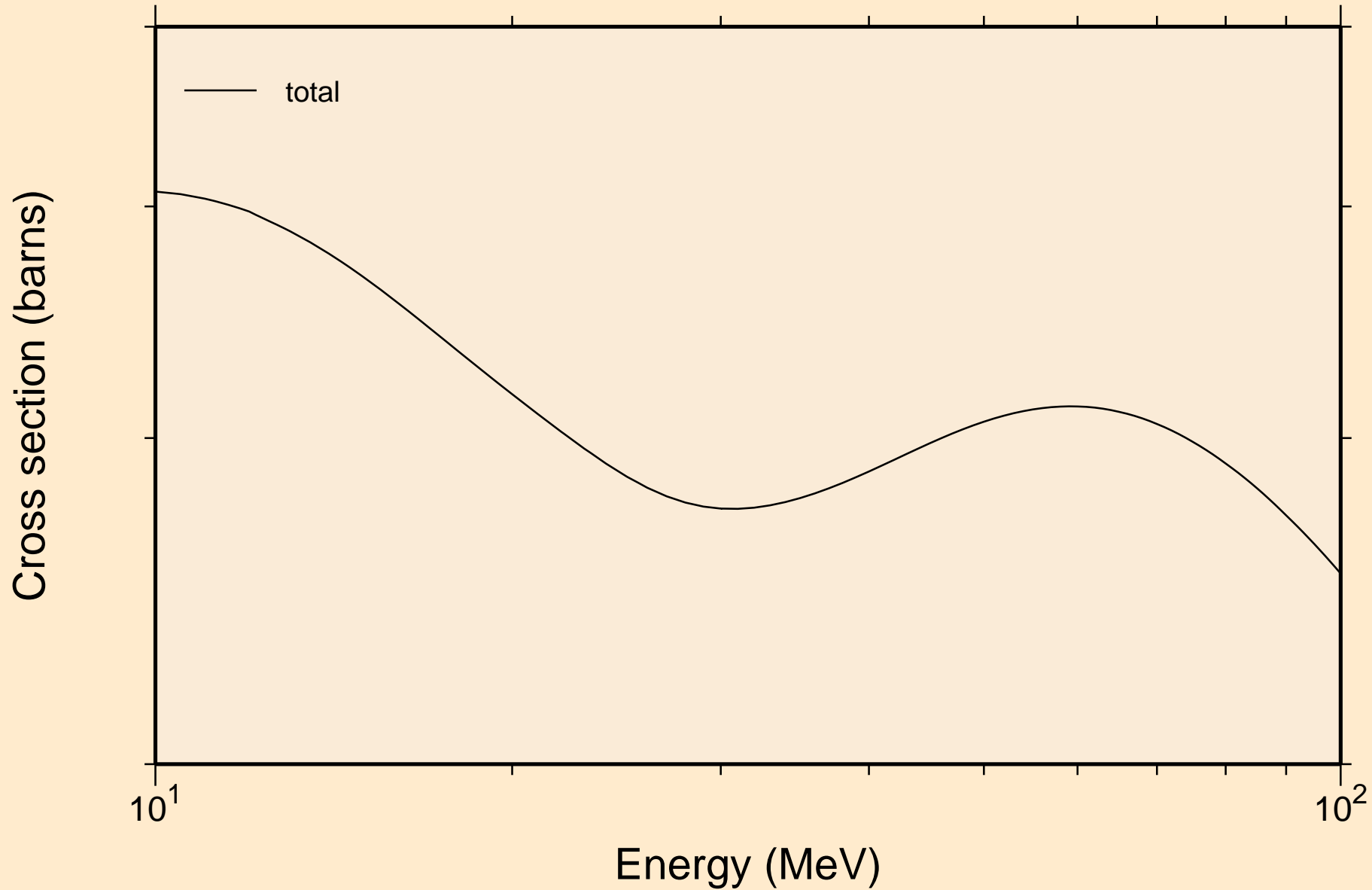
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



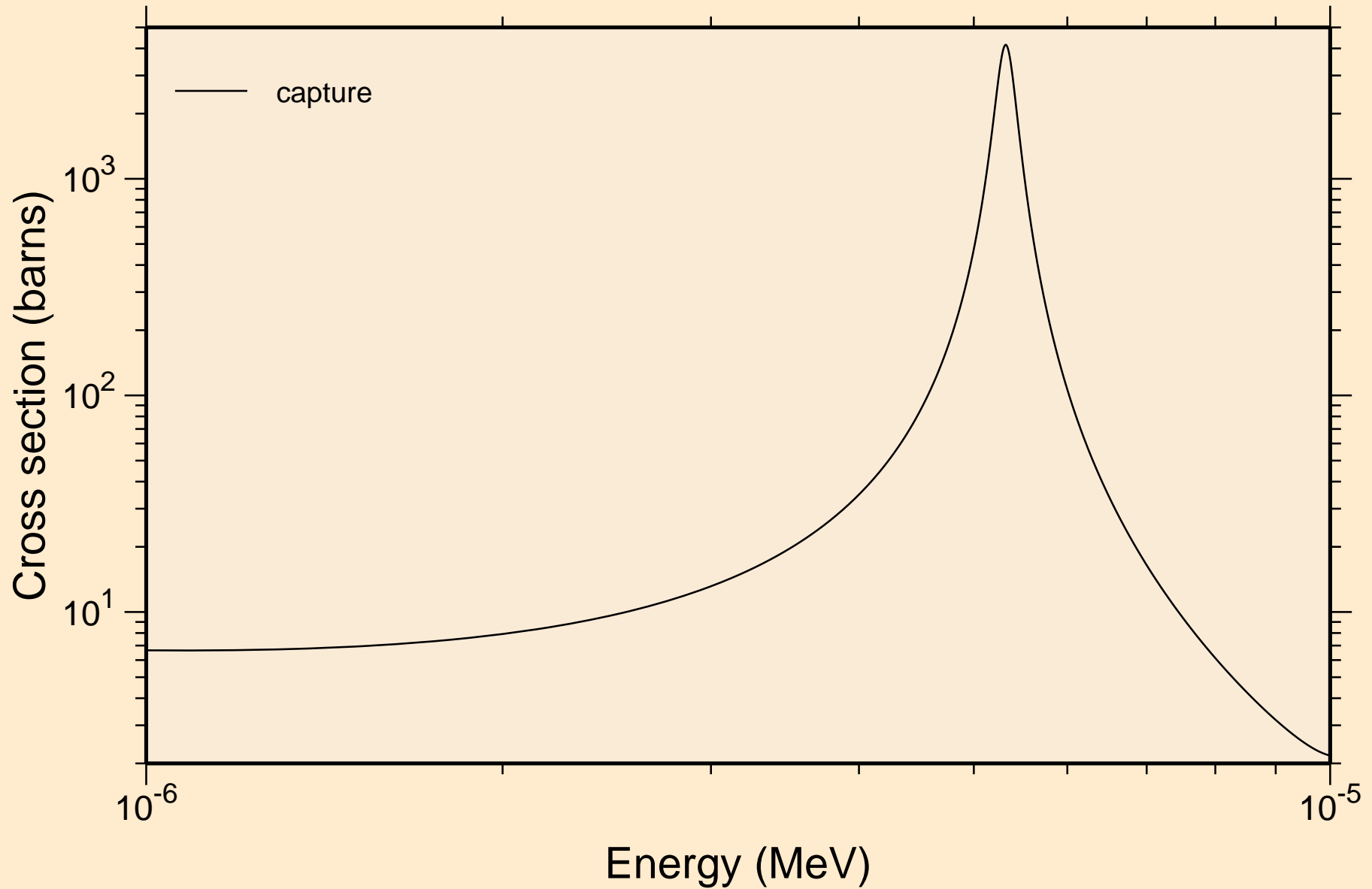
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



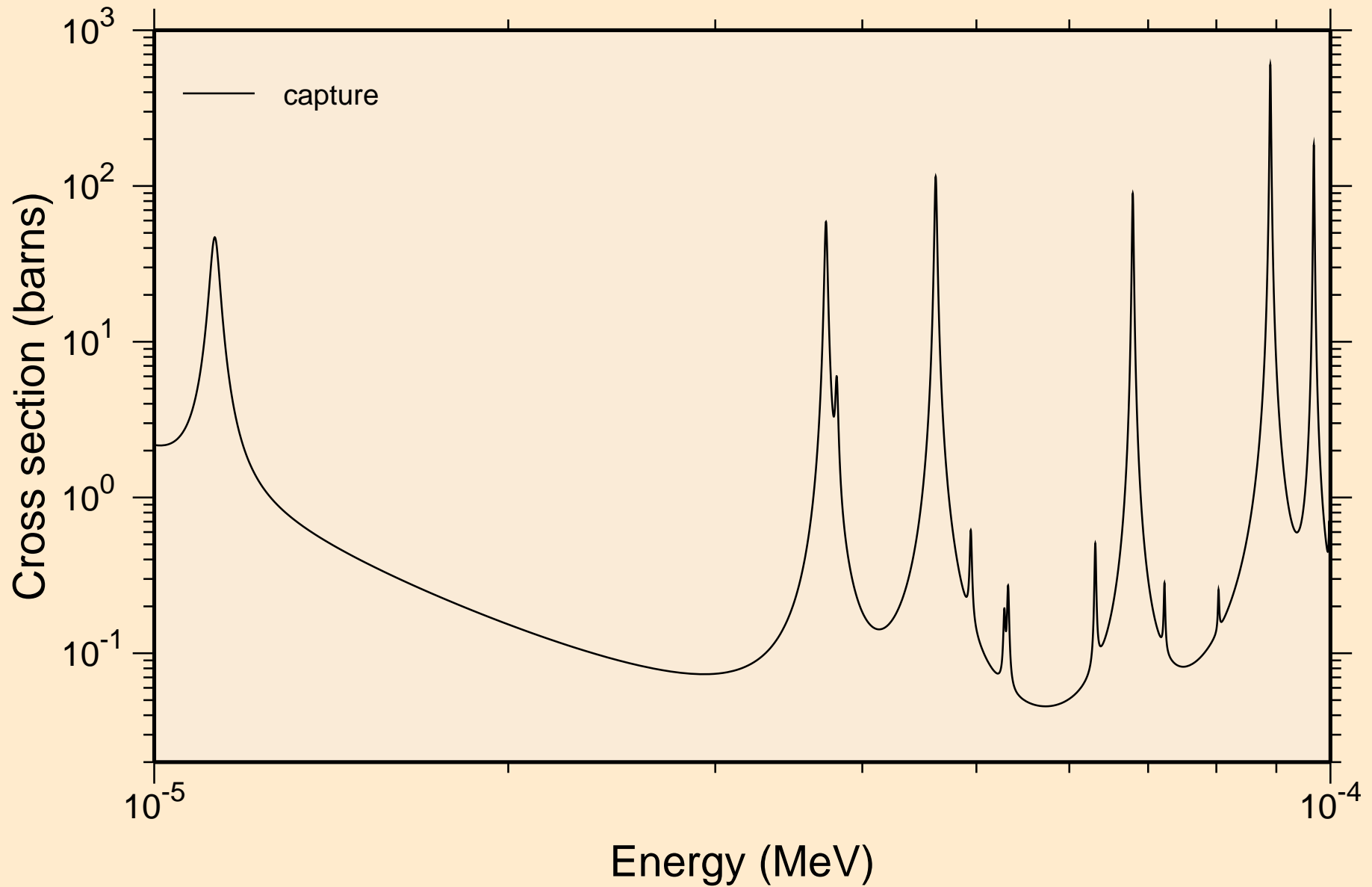
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



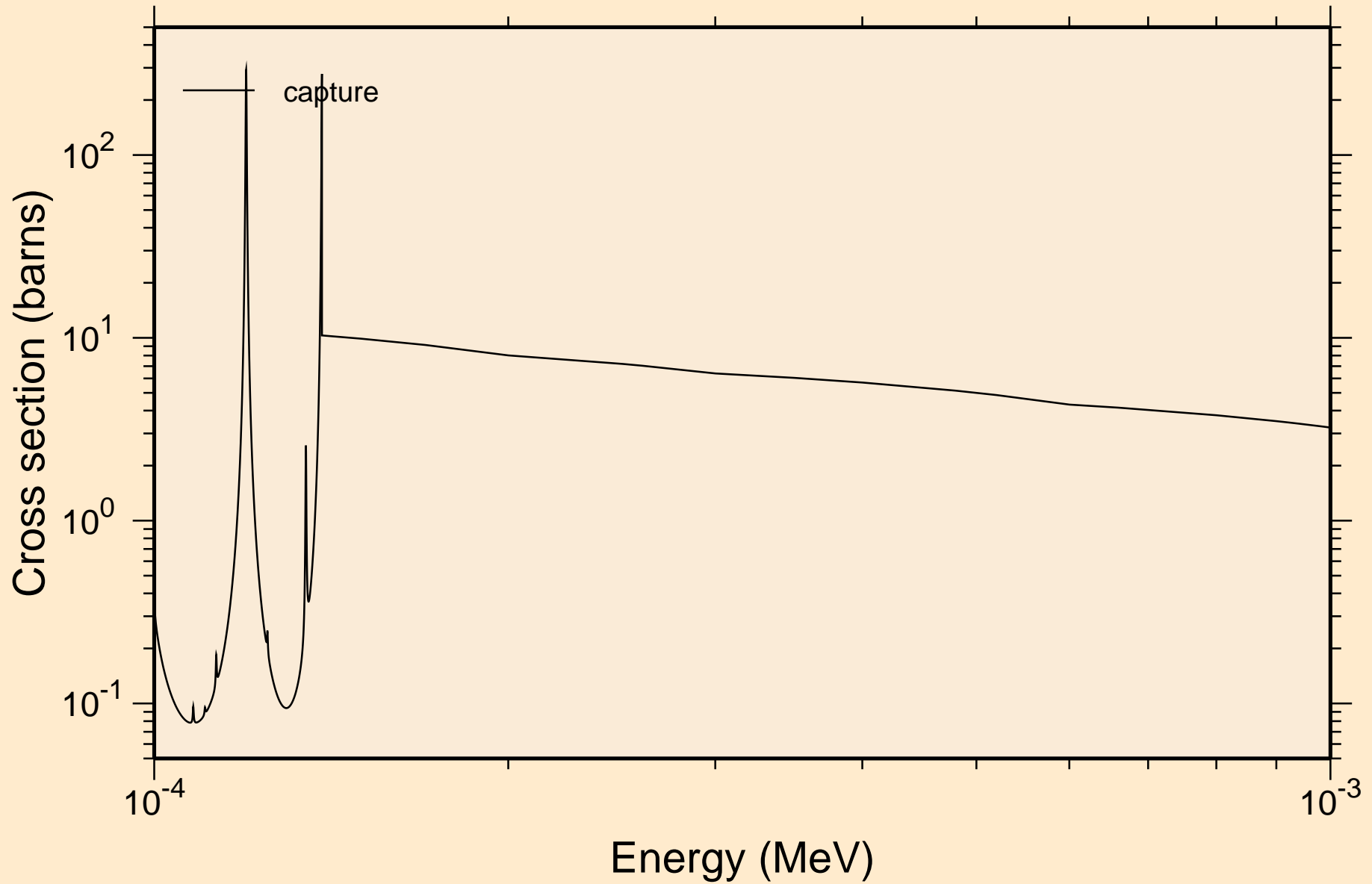
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

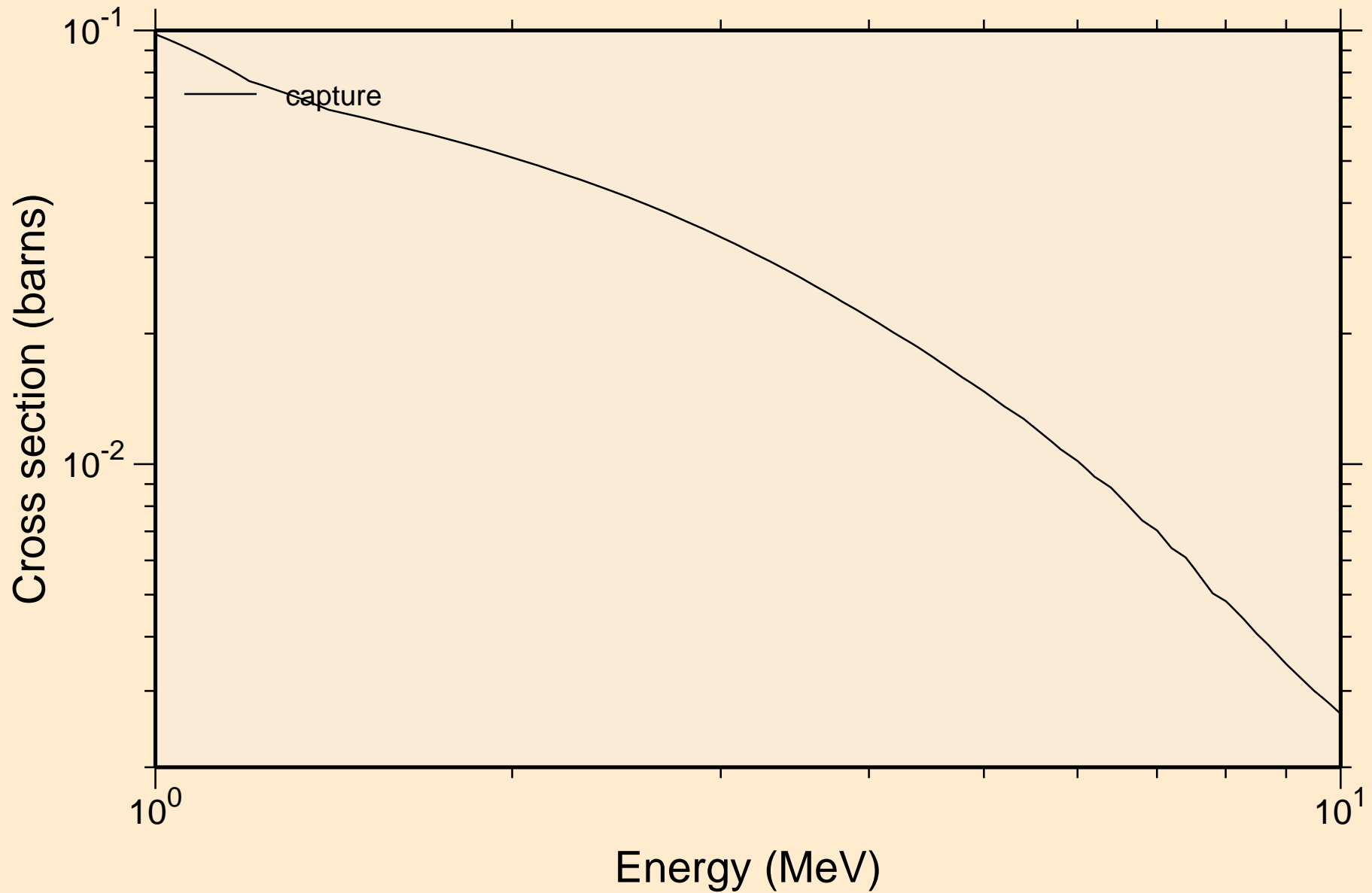


Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



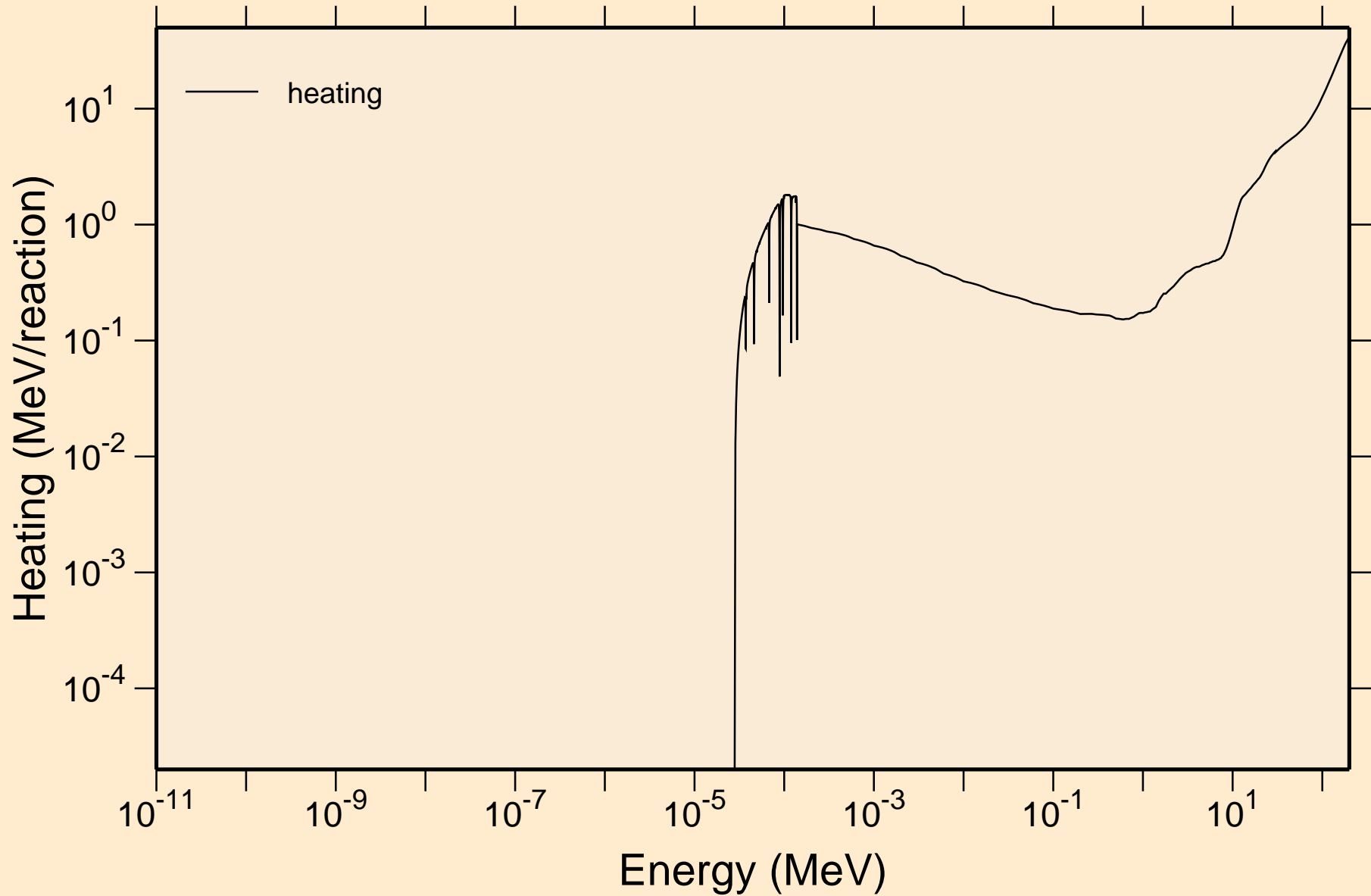


Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



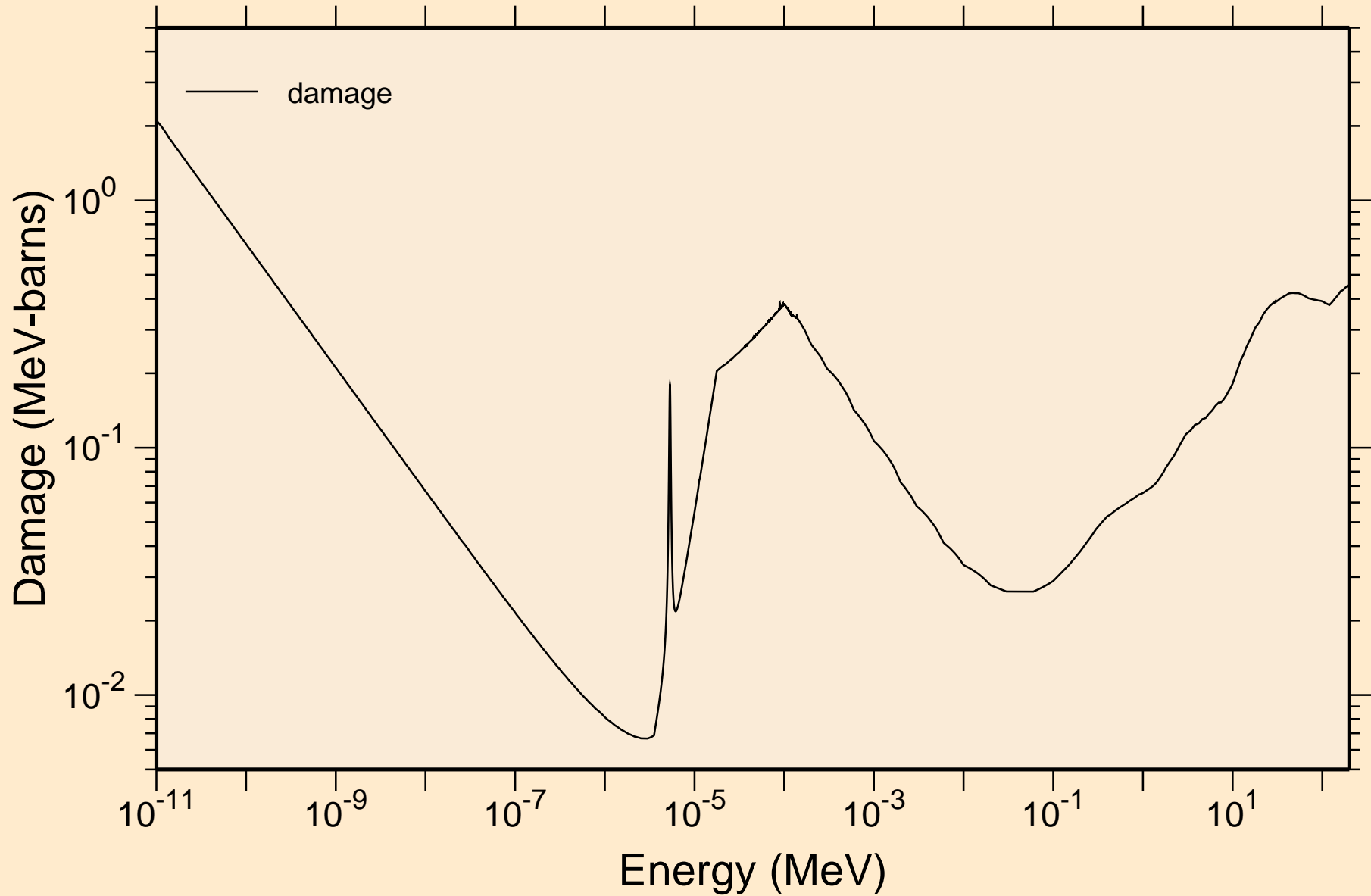
# Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

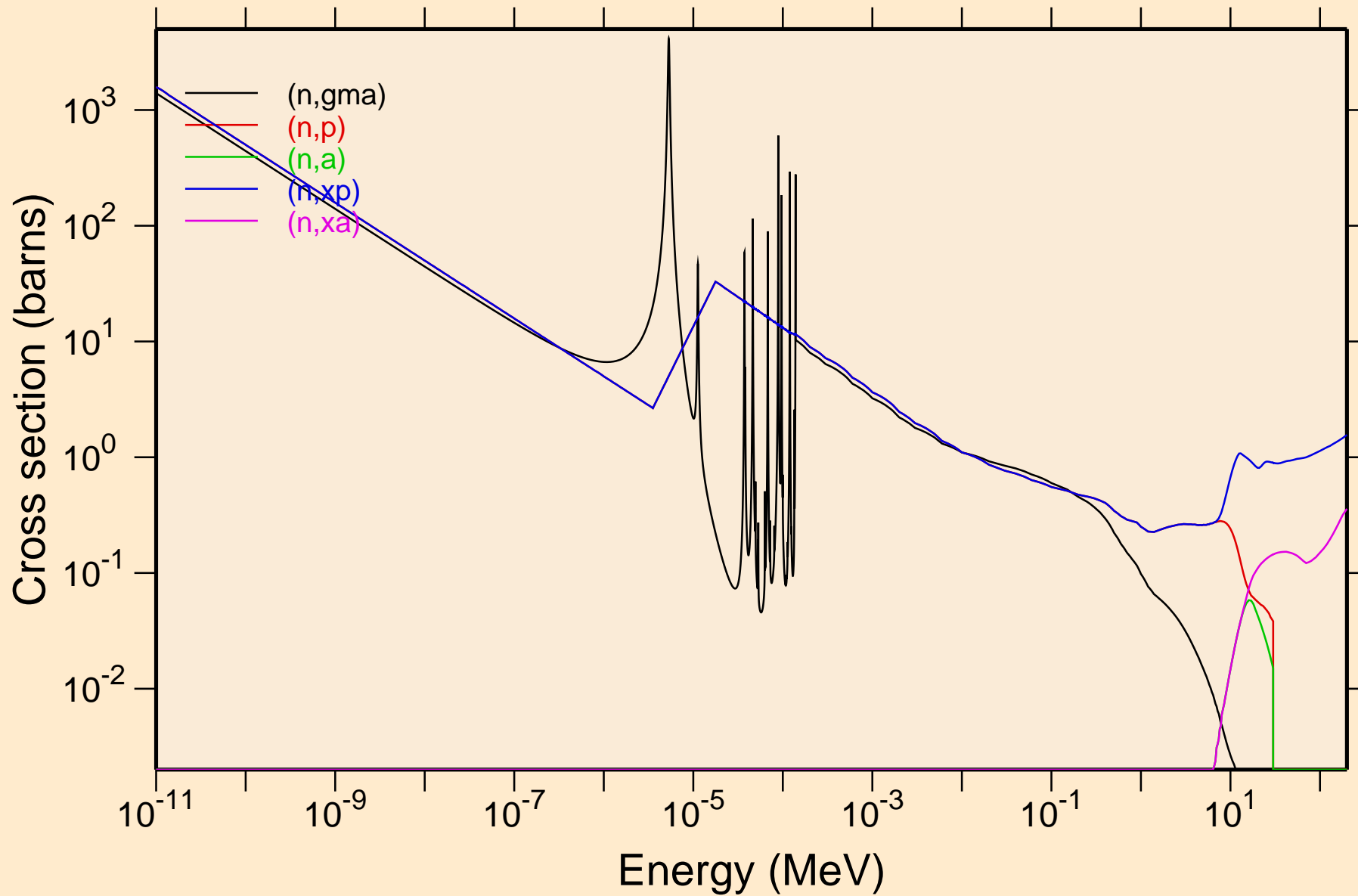


# Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage

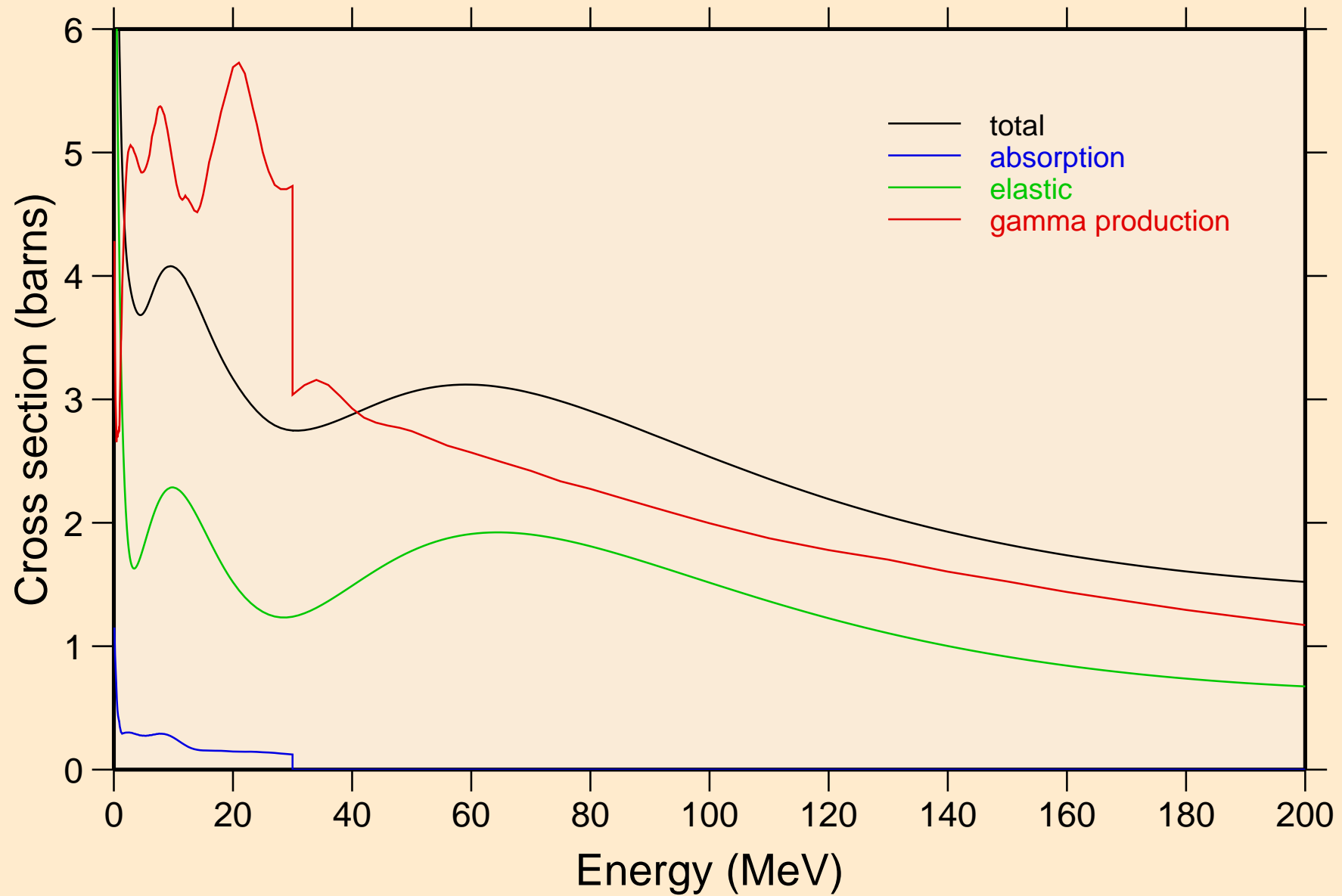


Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



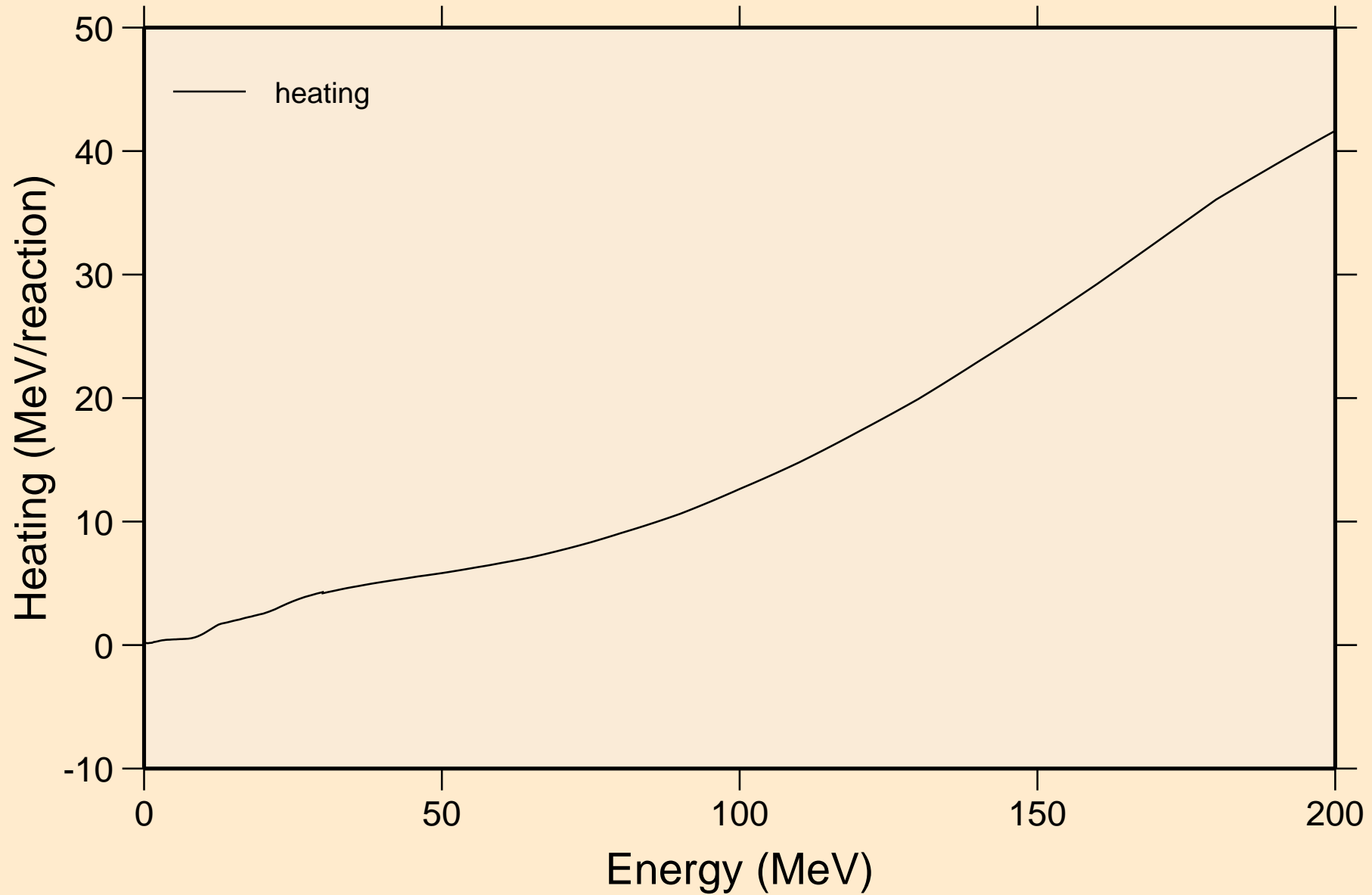
# Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



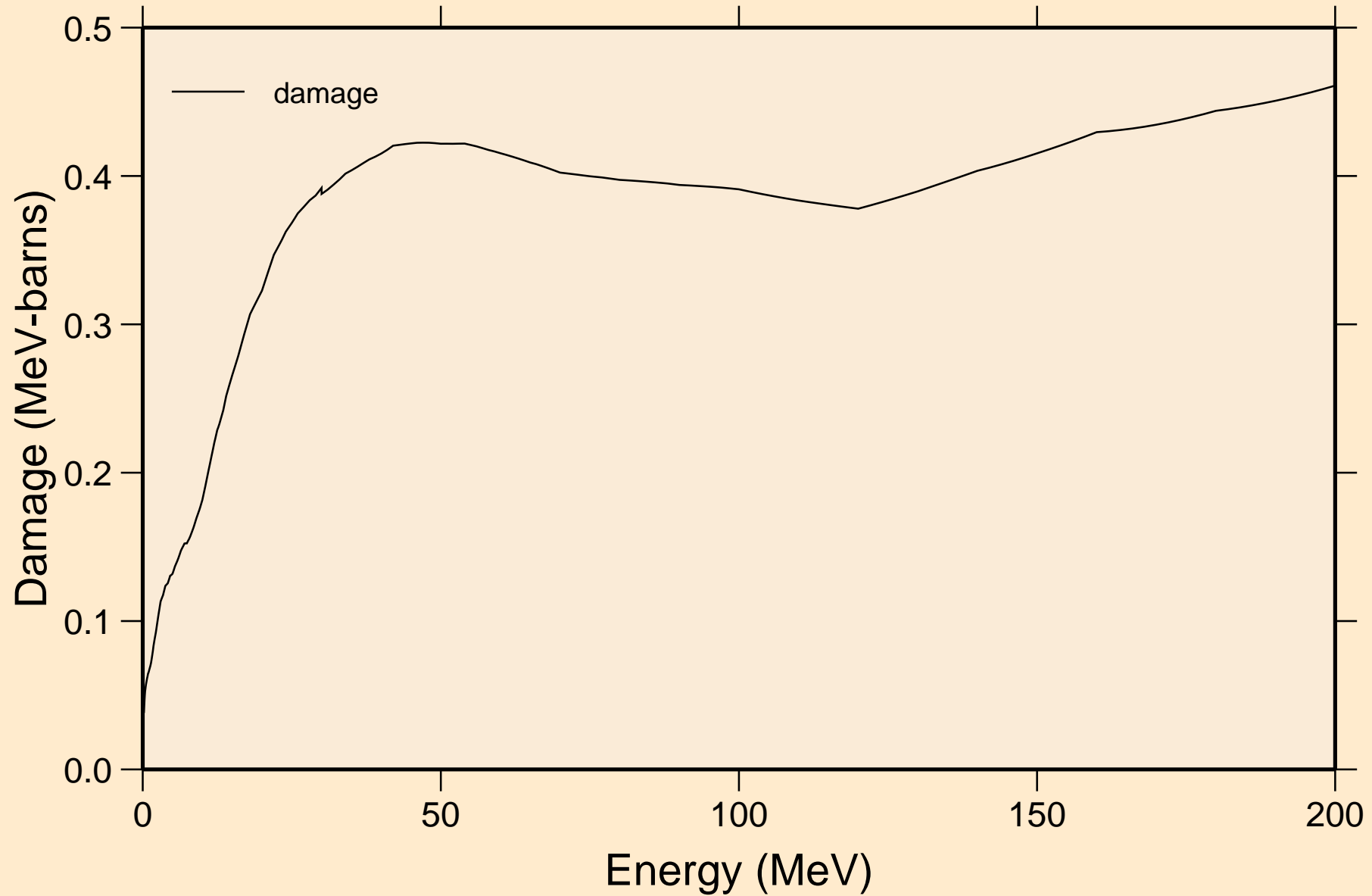
# Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

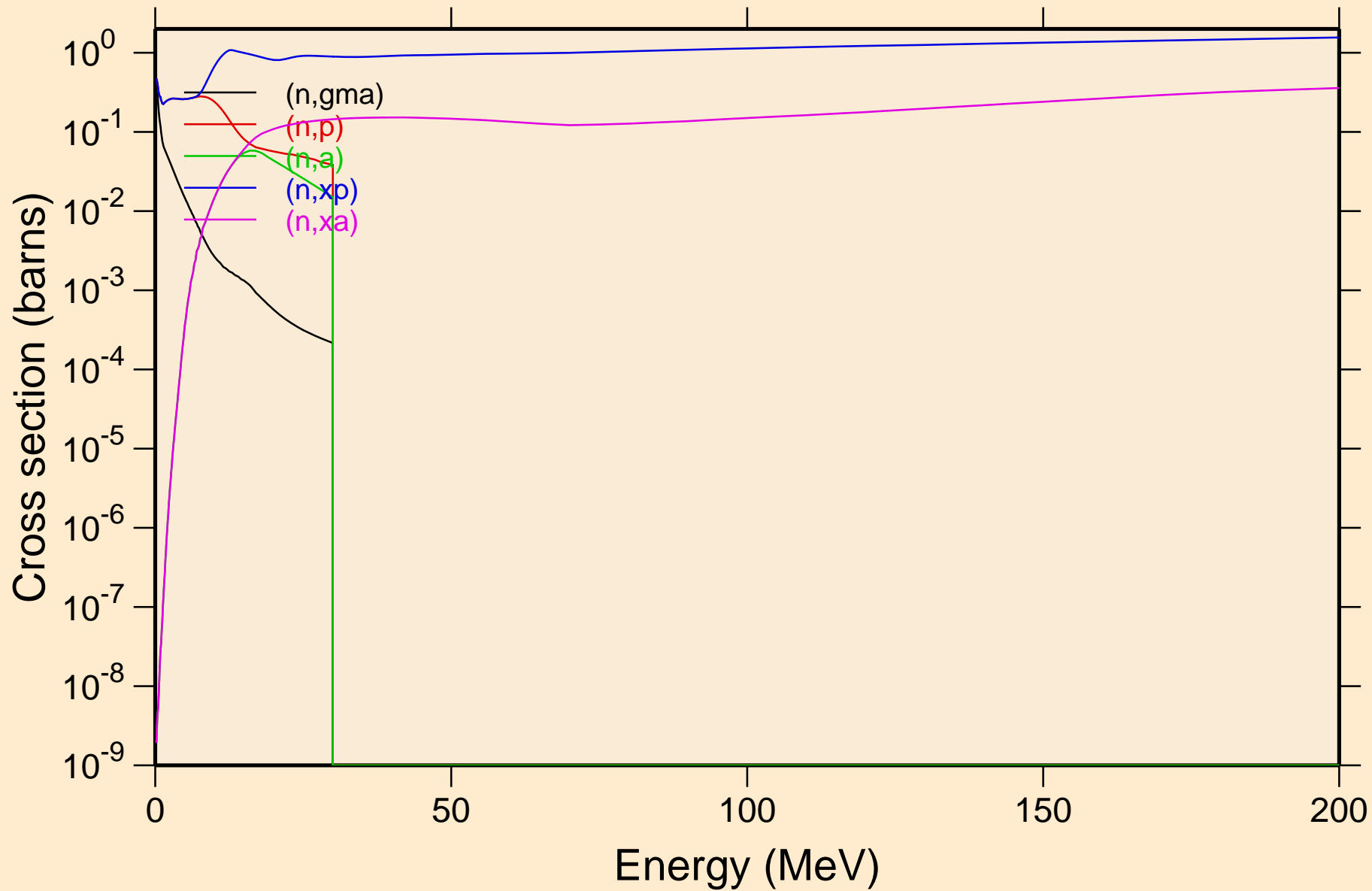


# Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage

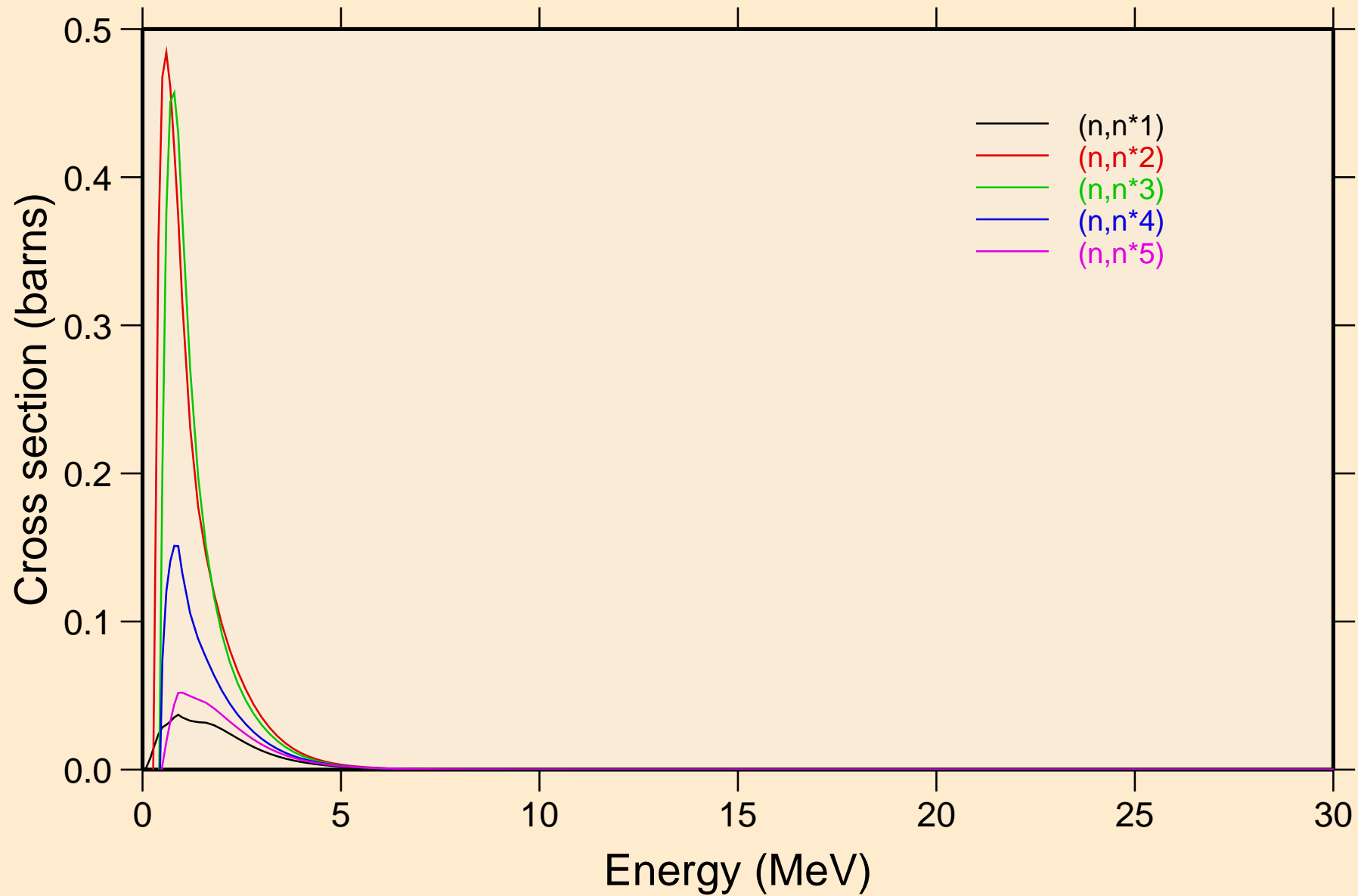


Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

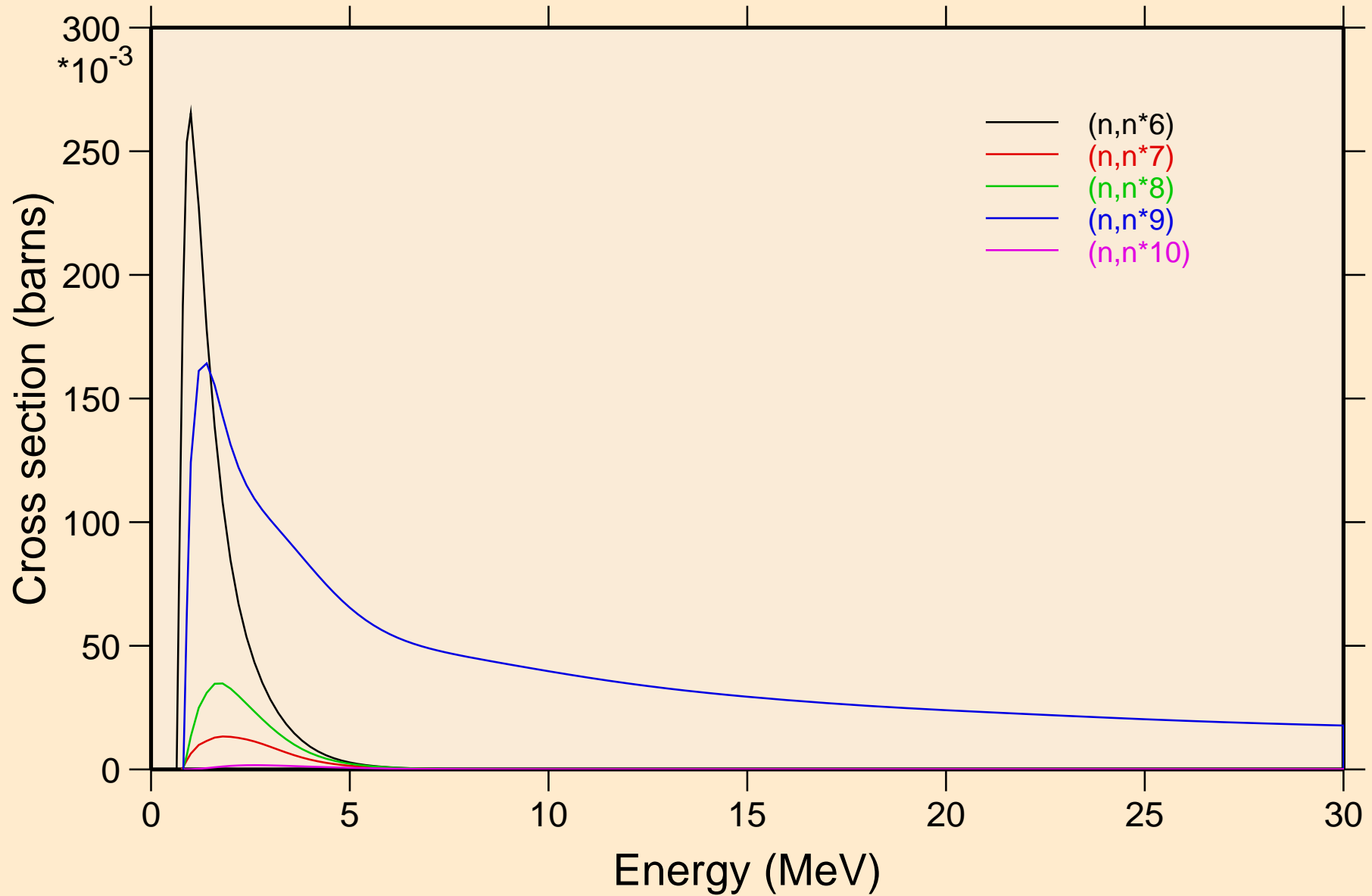




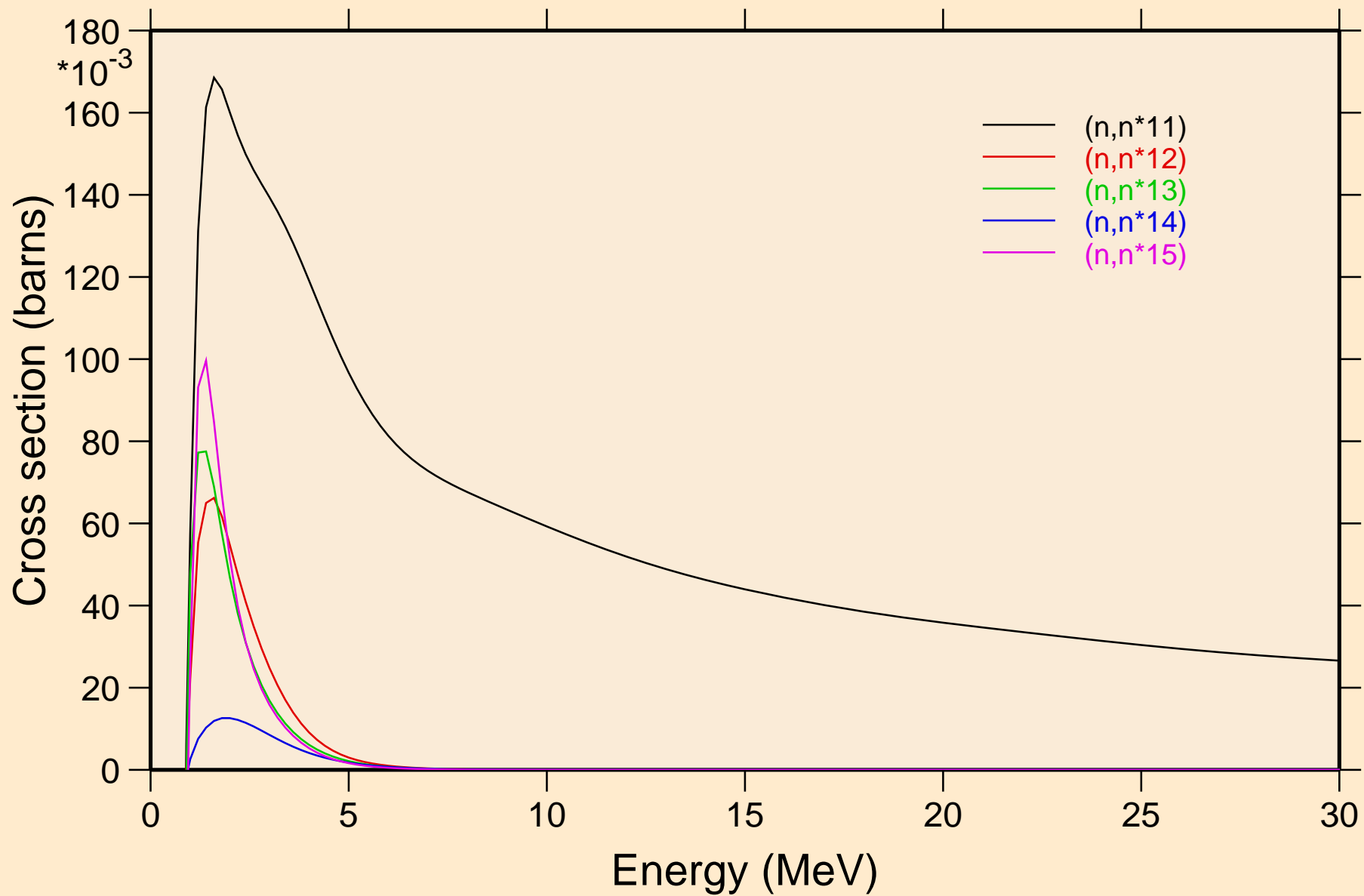
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



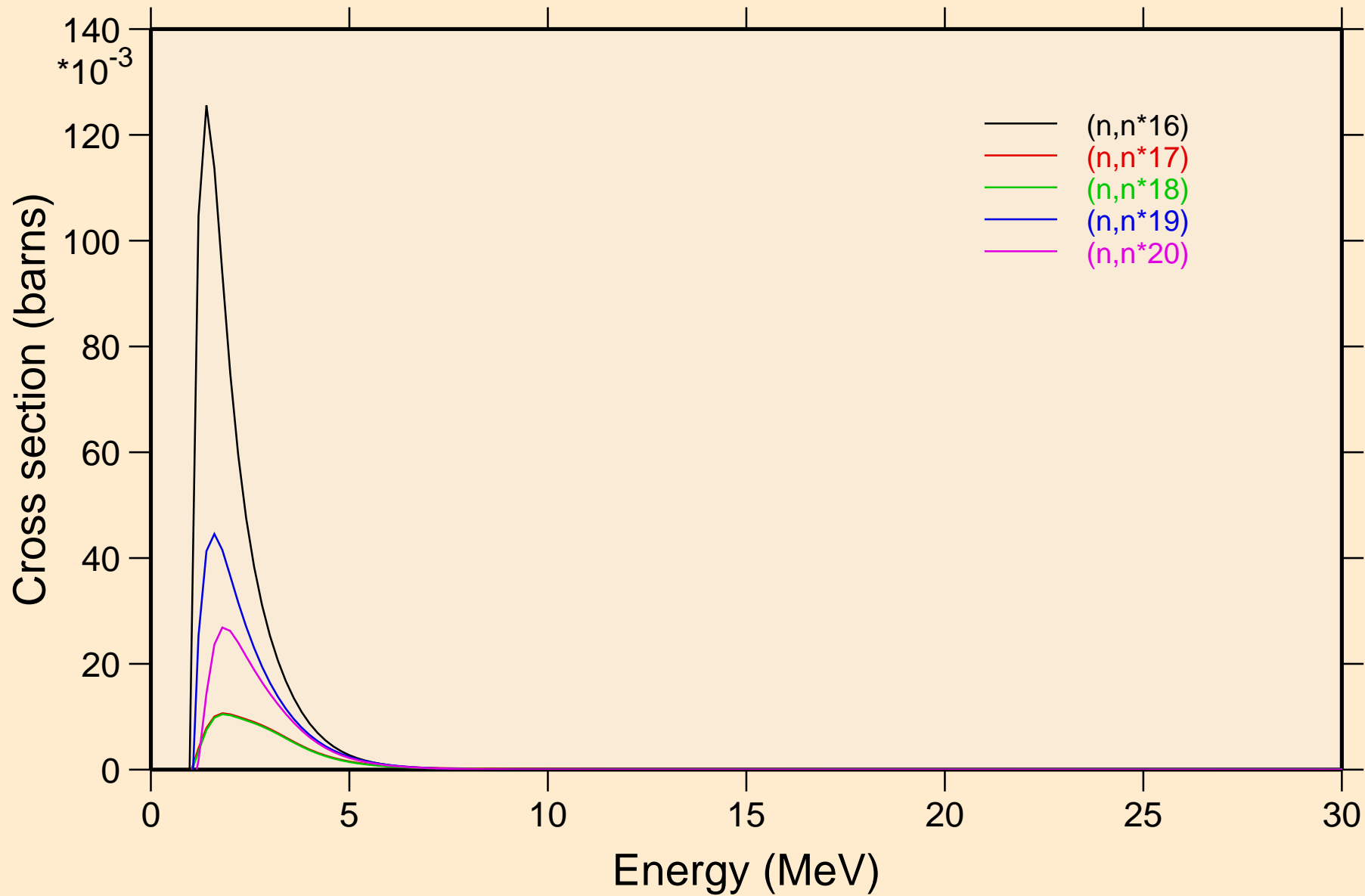
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



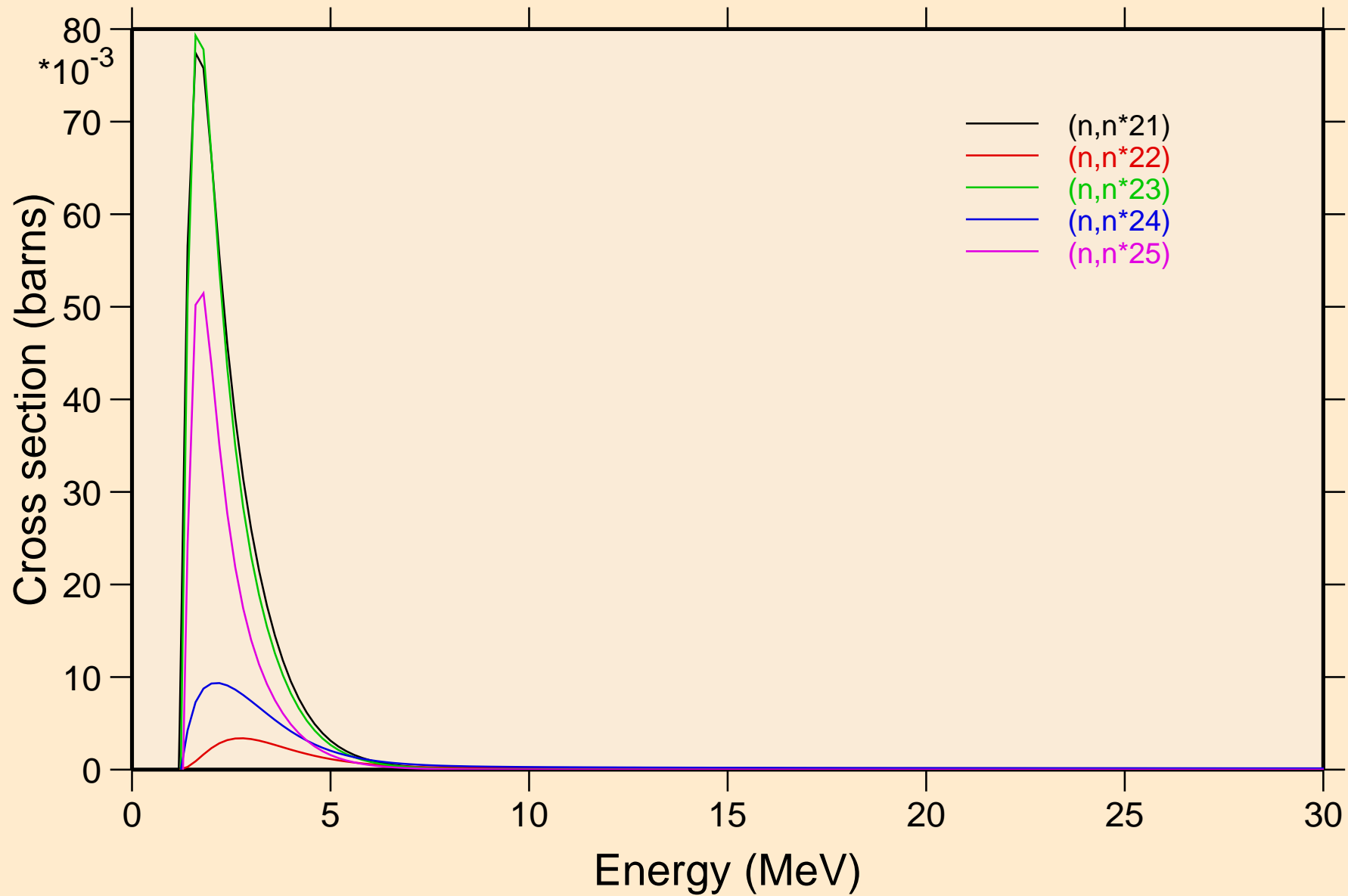
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



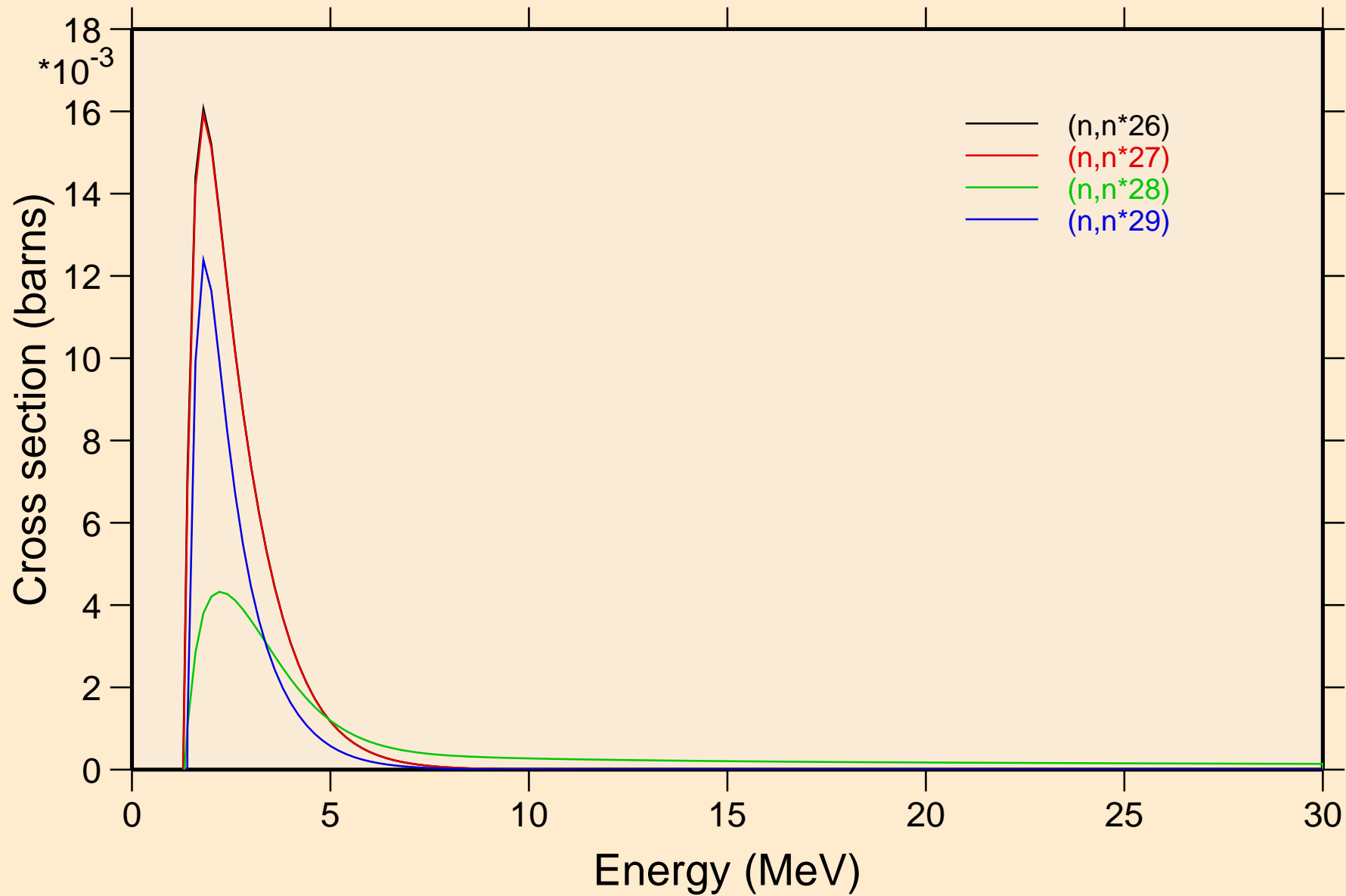
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

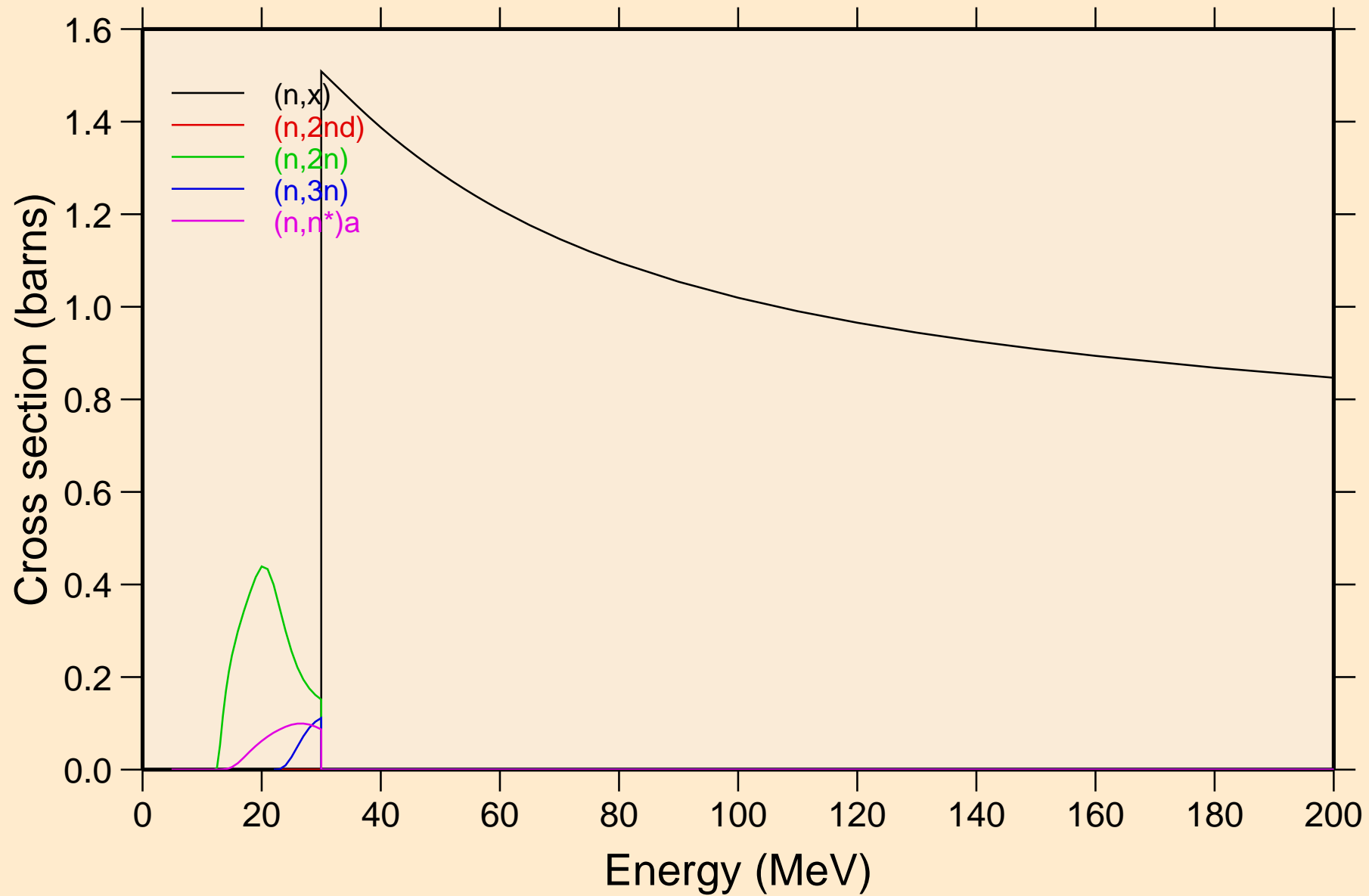


Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

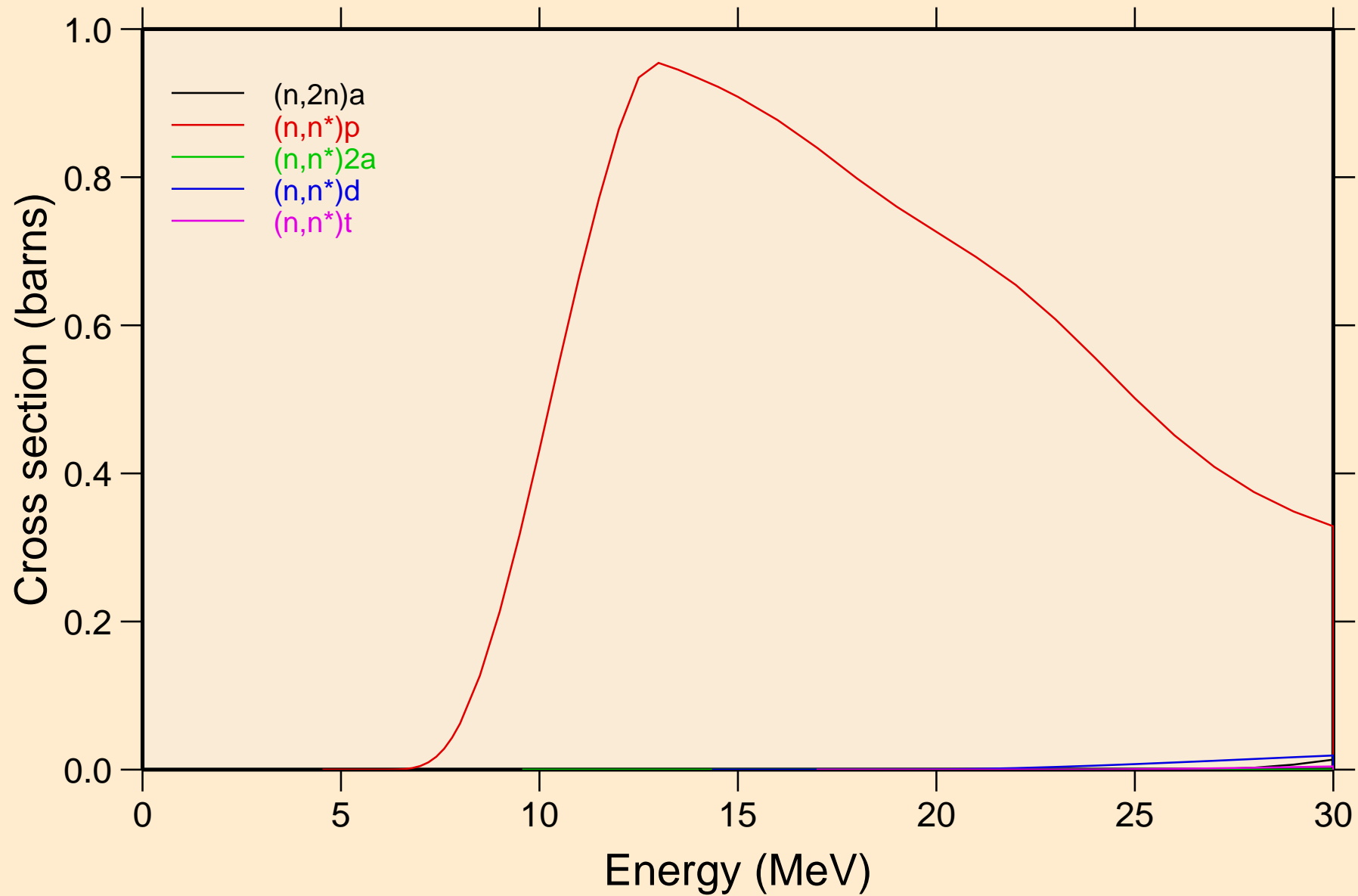


# Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

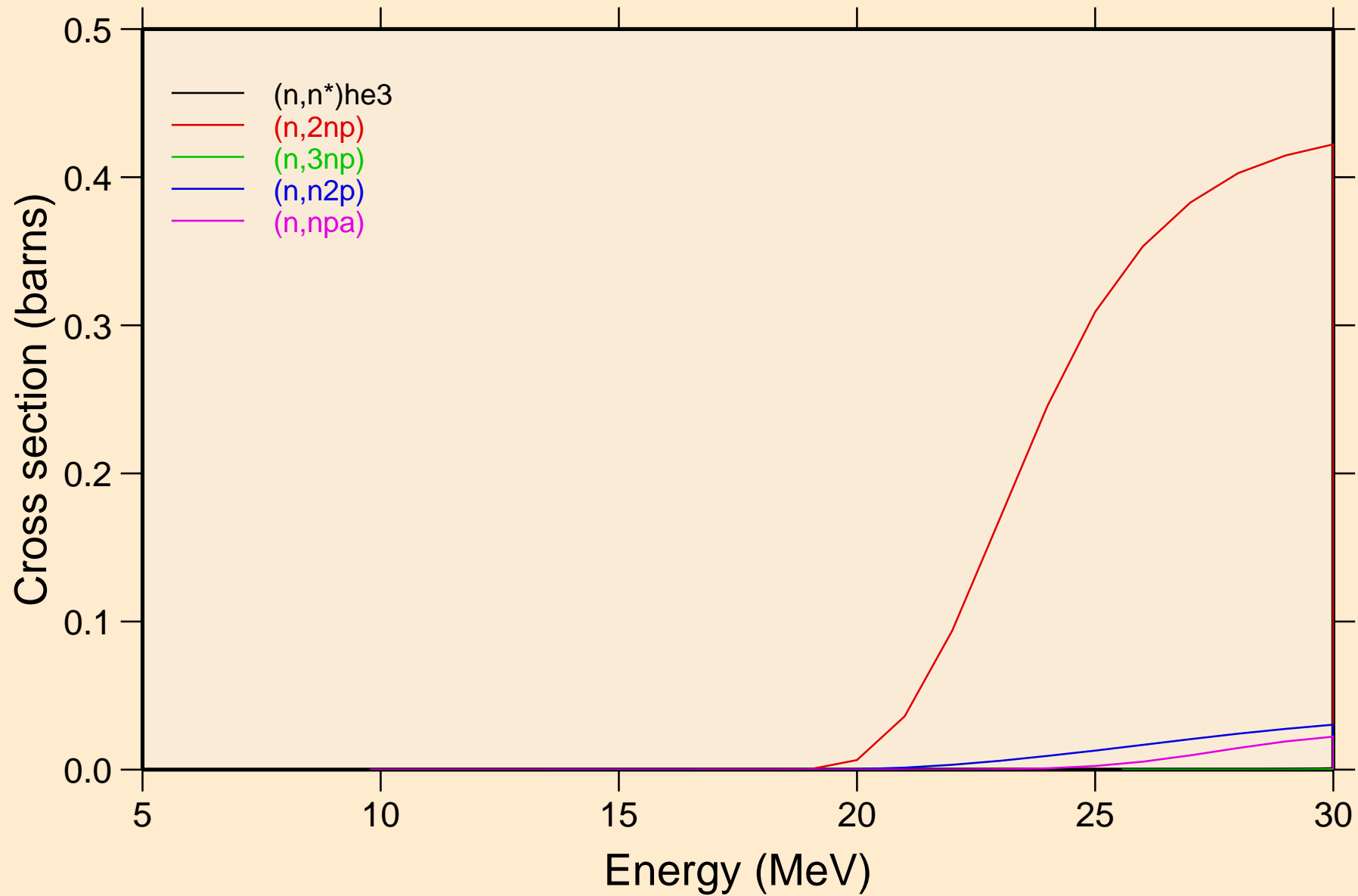


Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

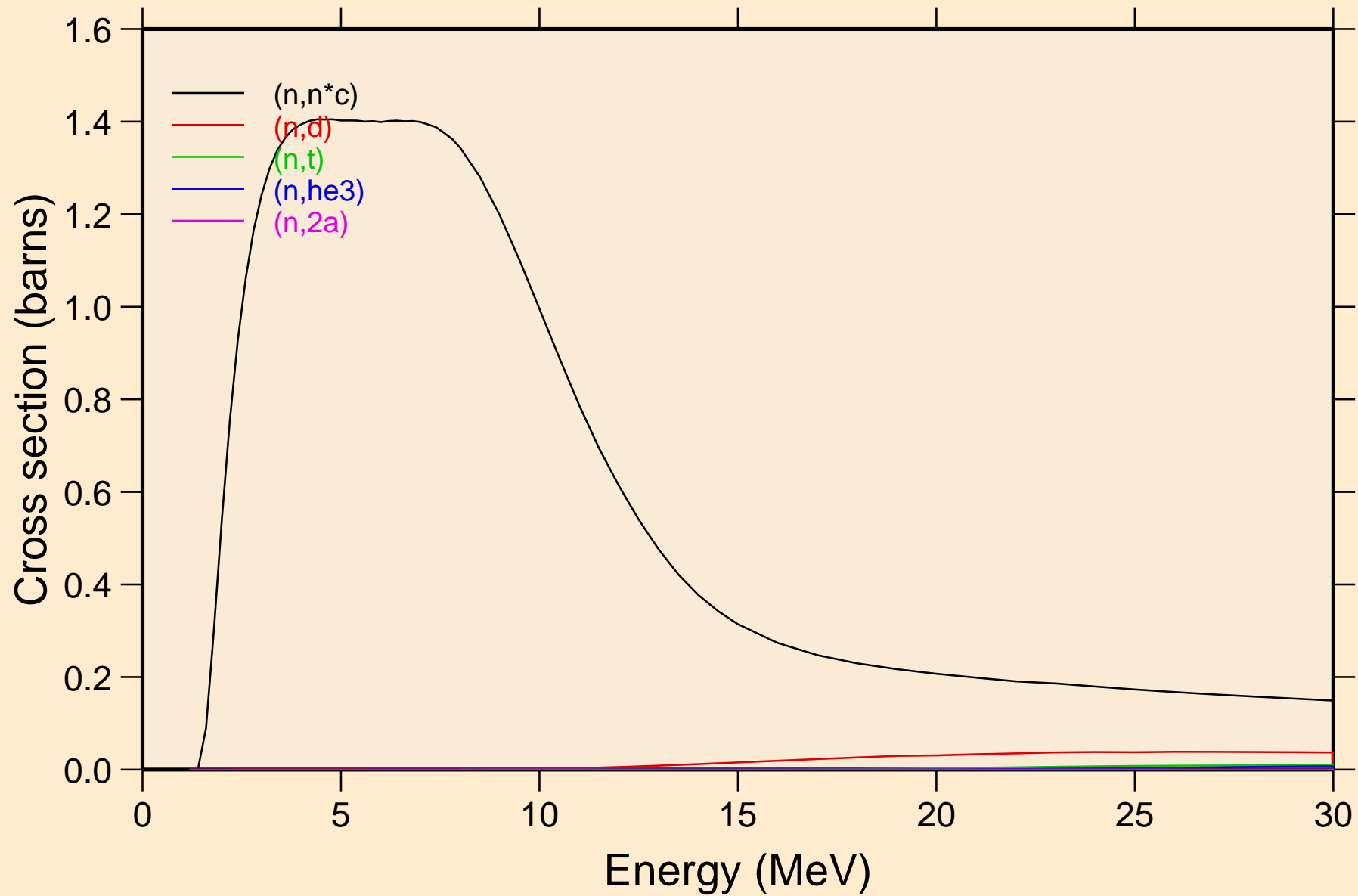




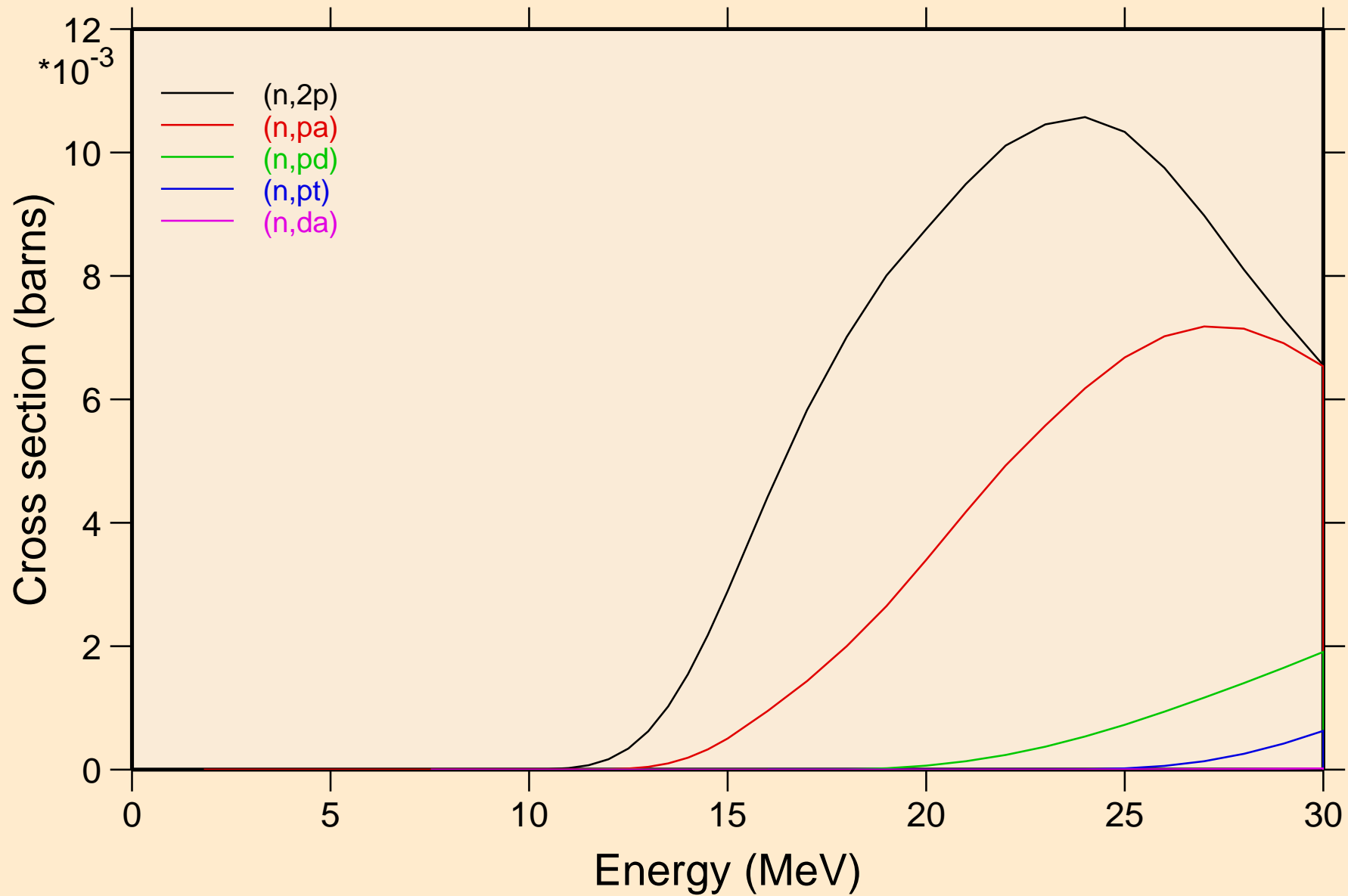
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



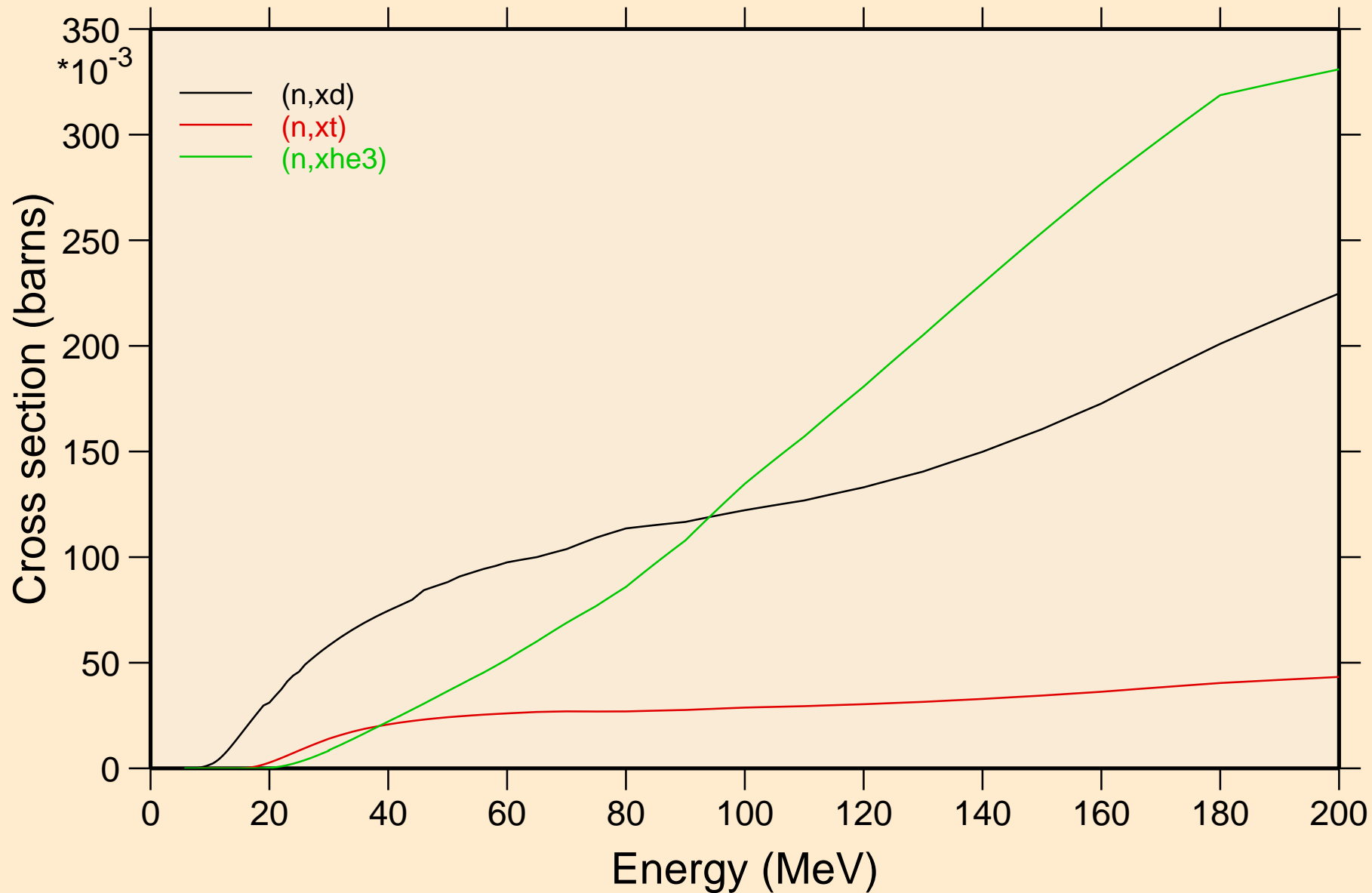
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Threshold reactions



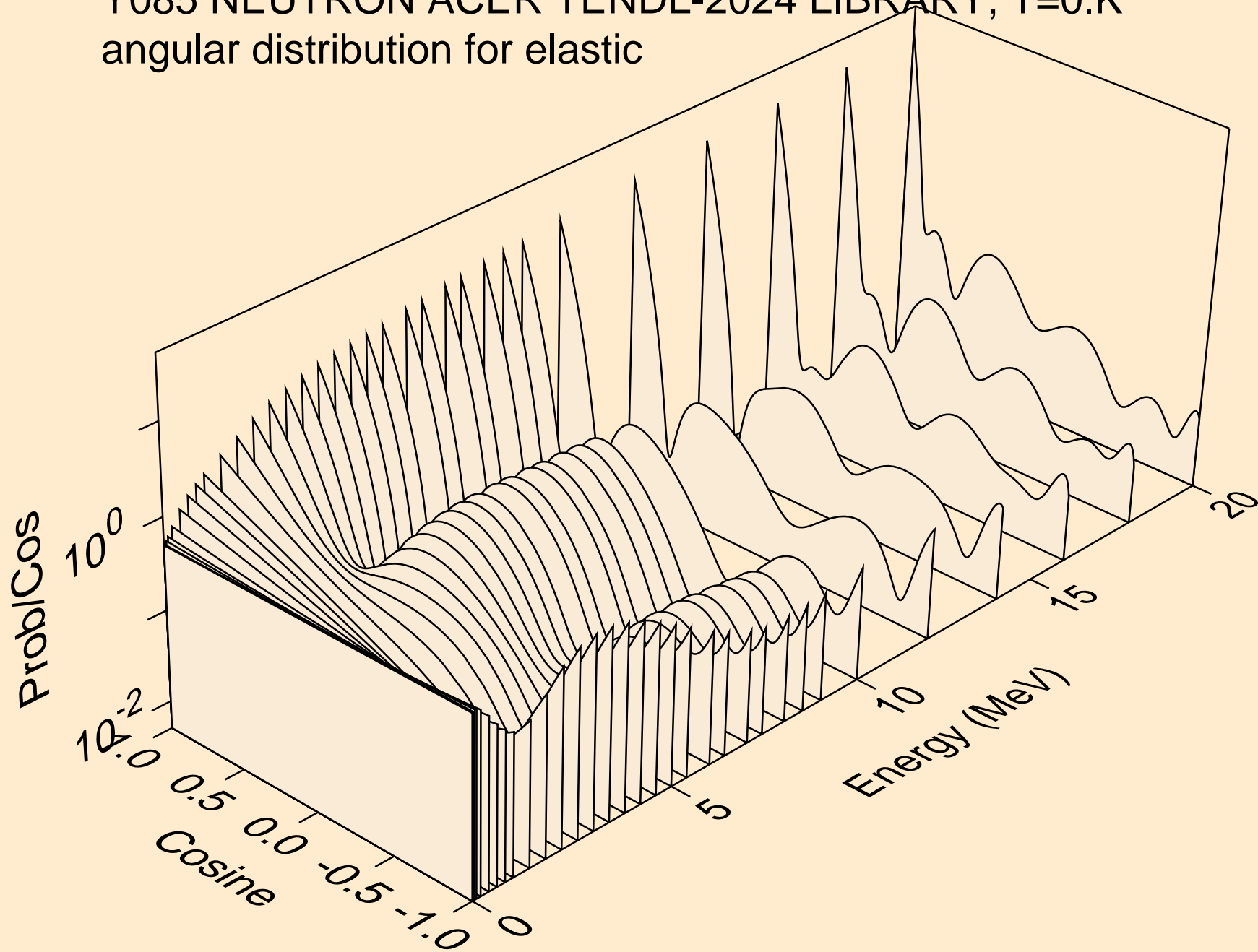
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



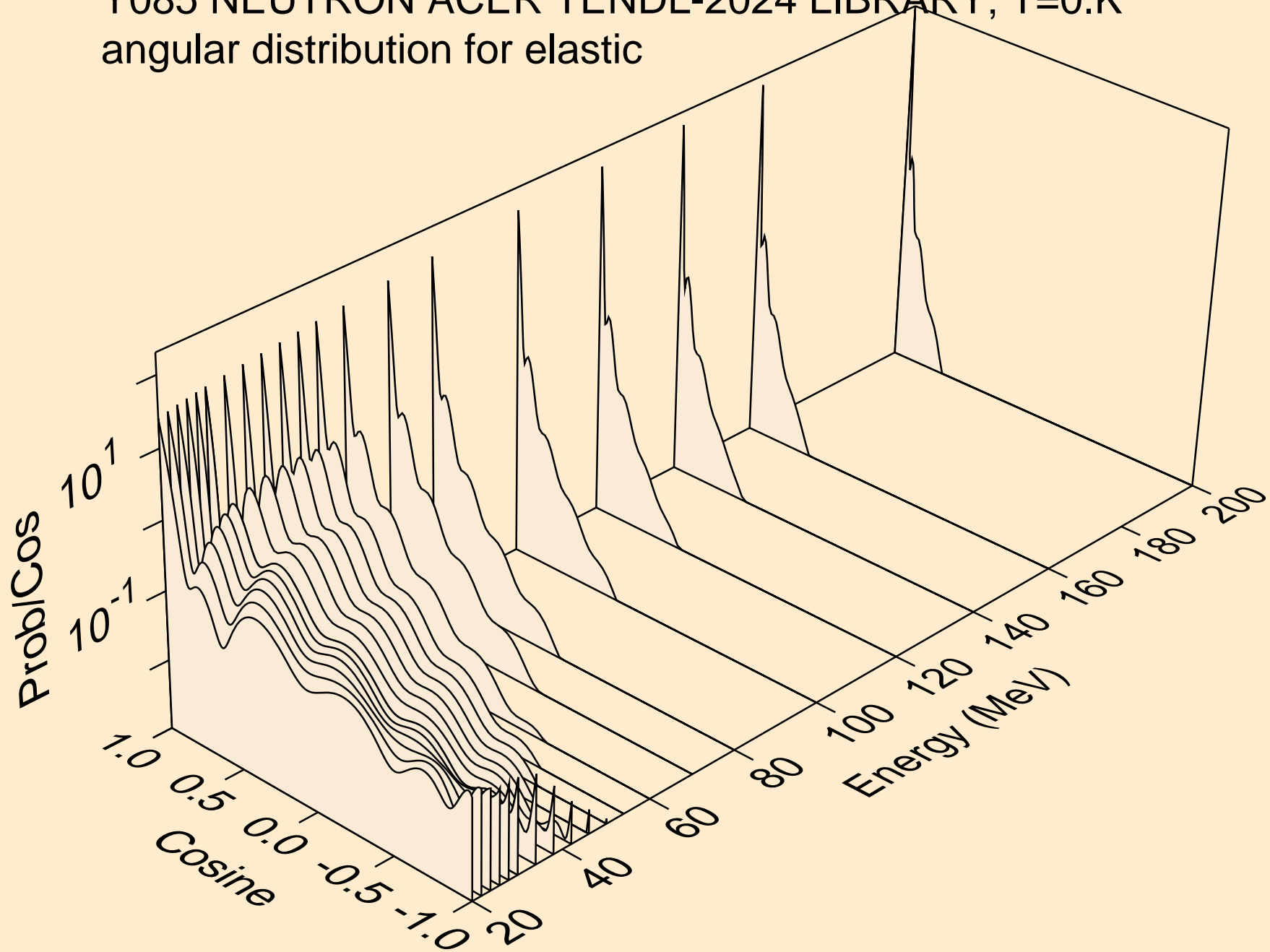
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



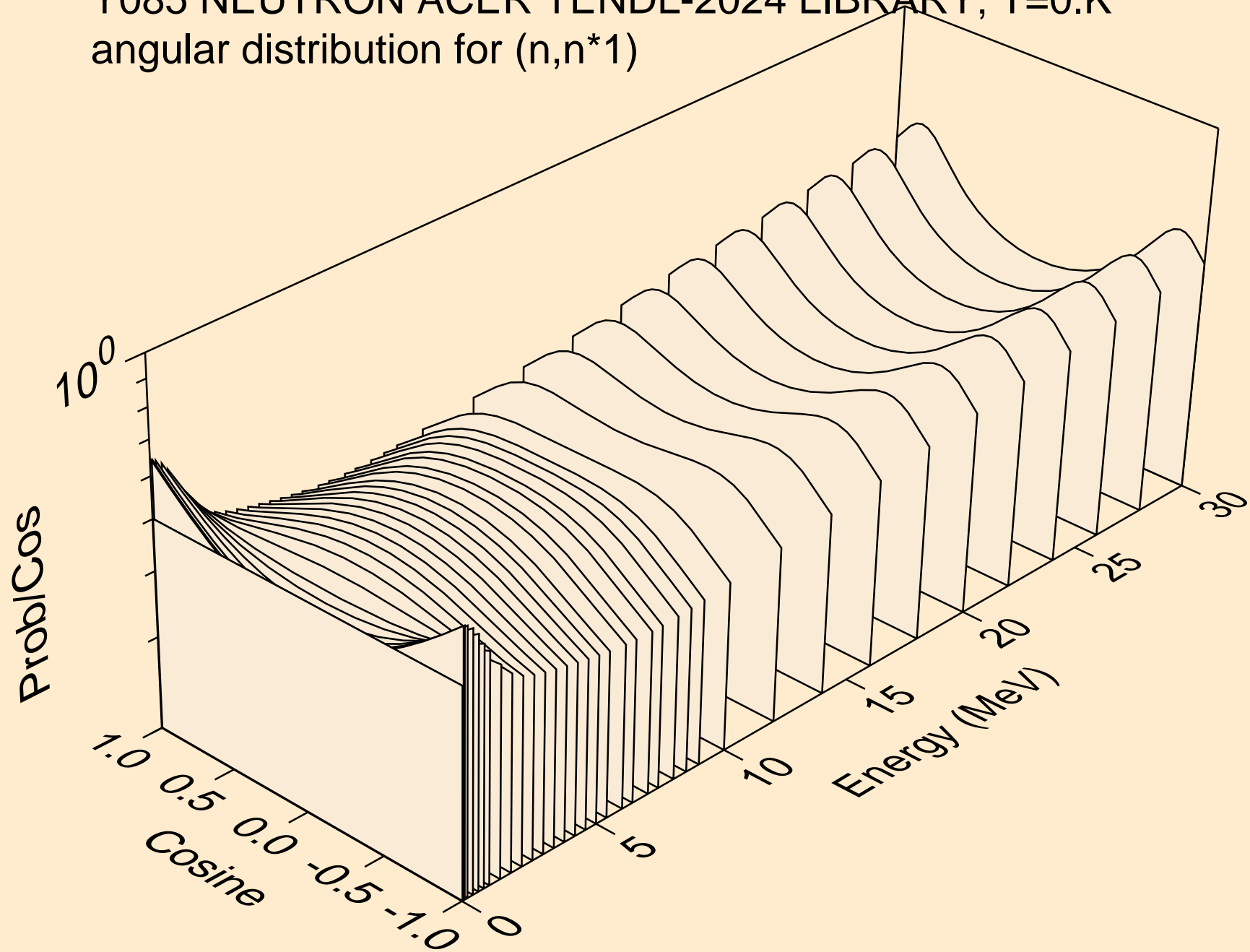
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



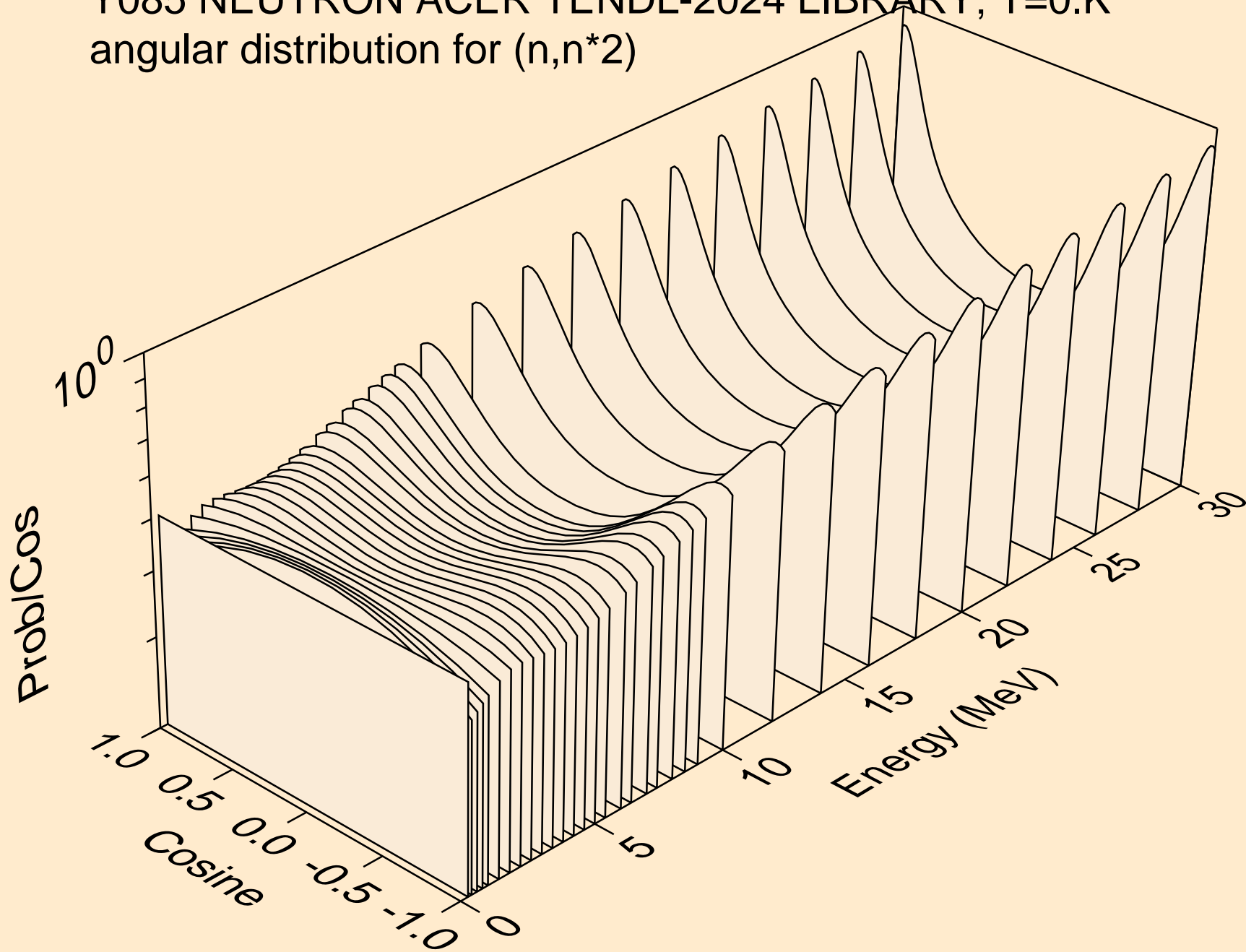
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

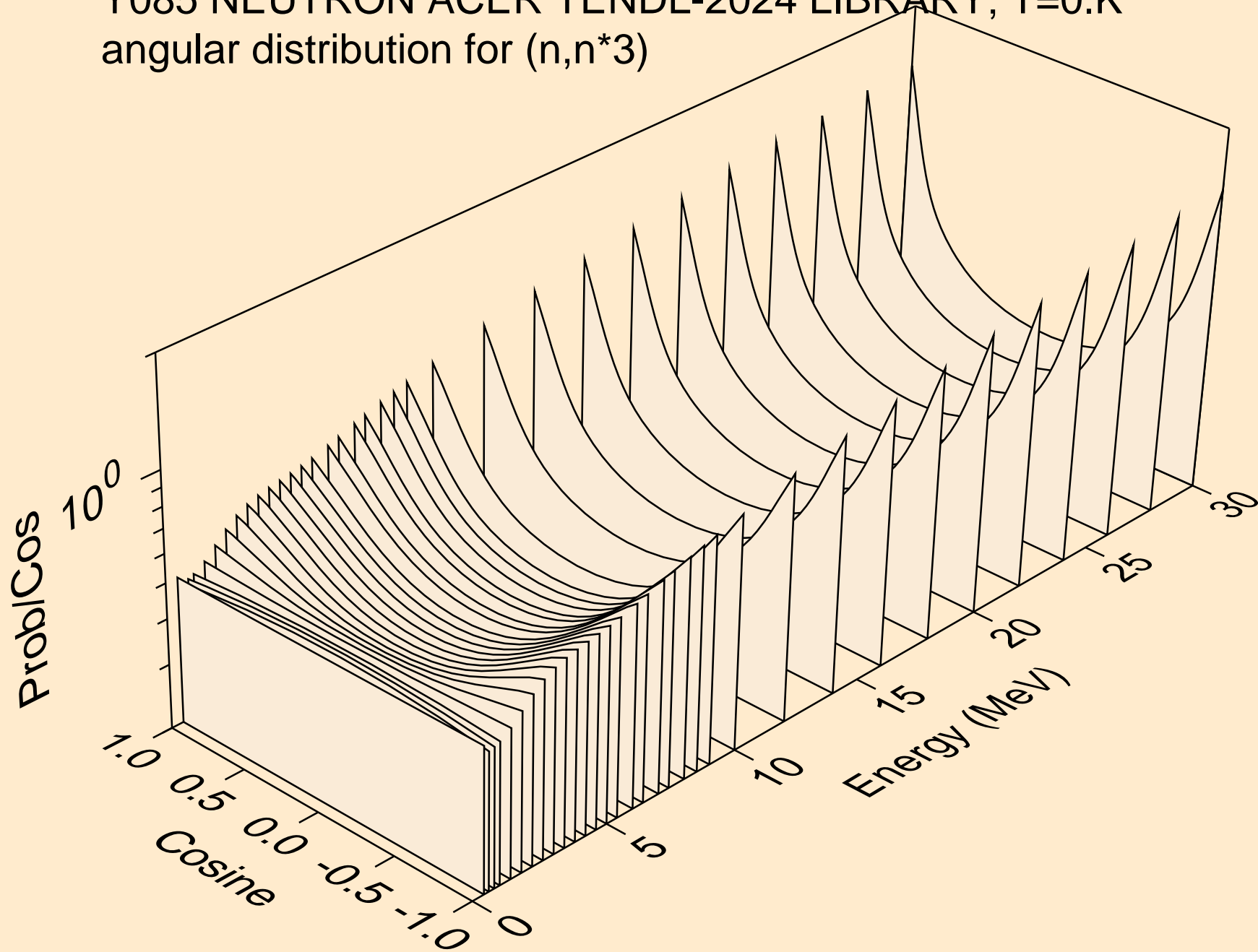


Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

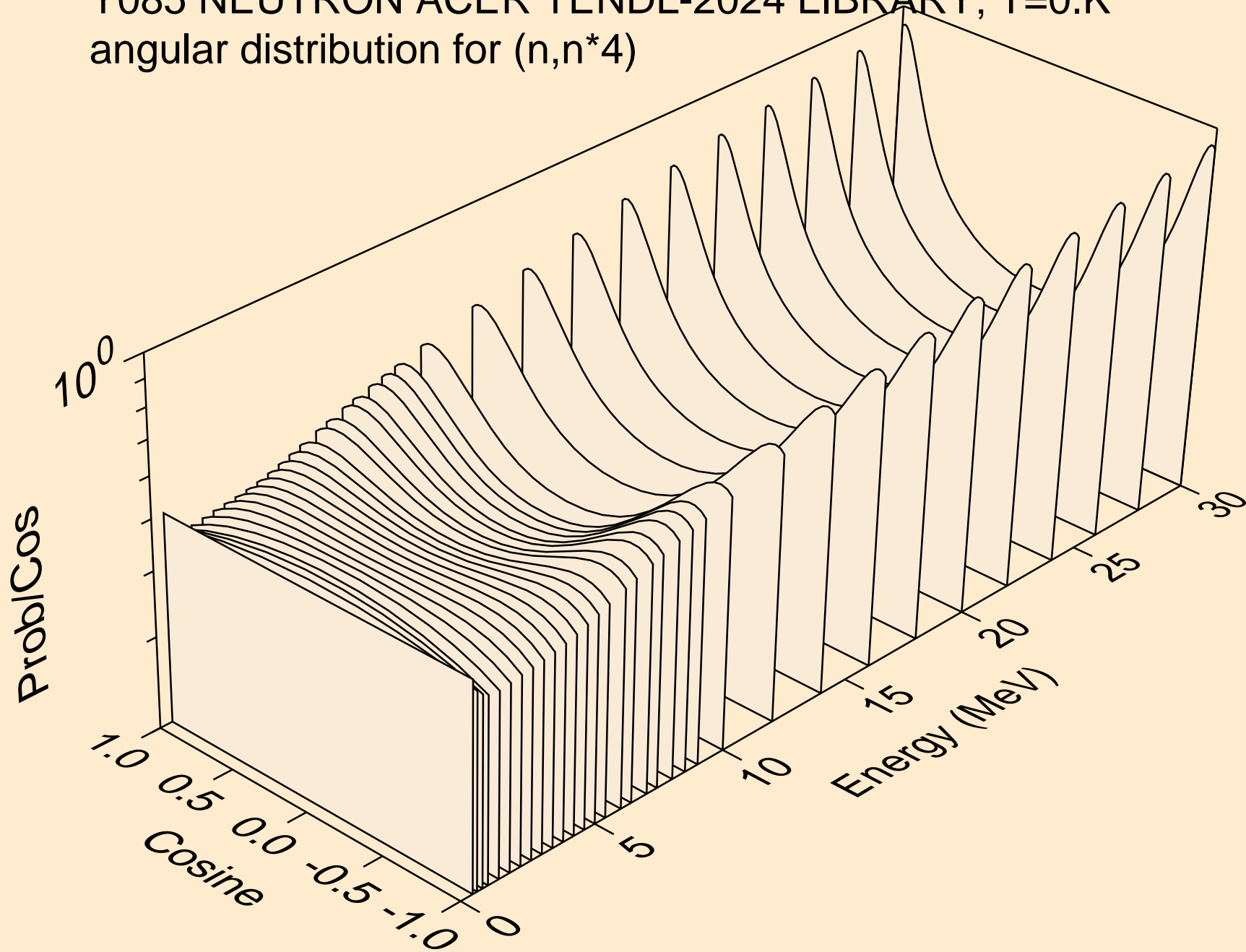




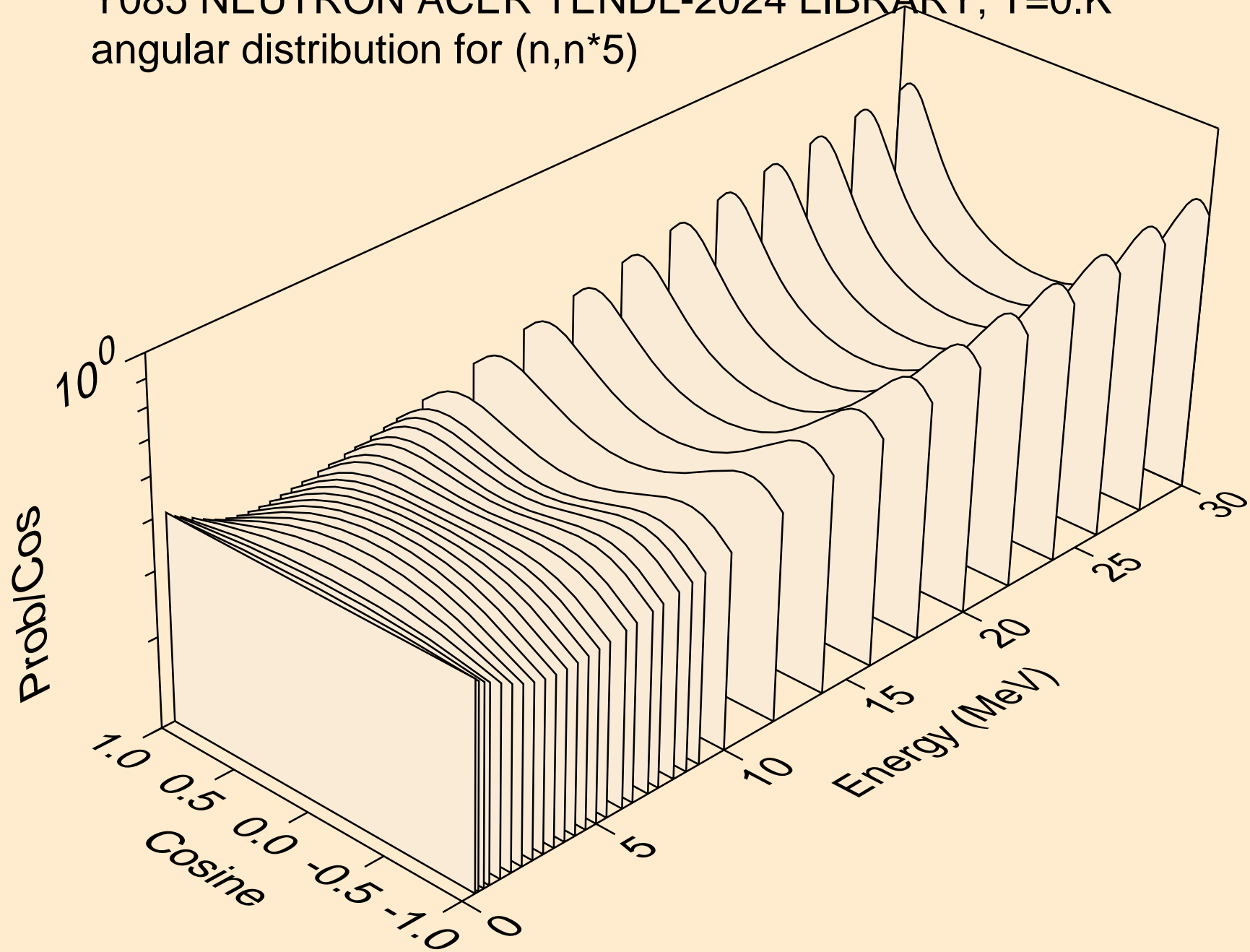
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angular distribution for (n,n\*3)



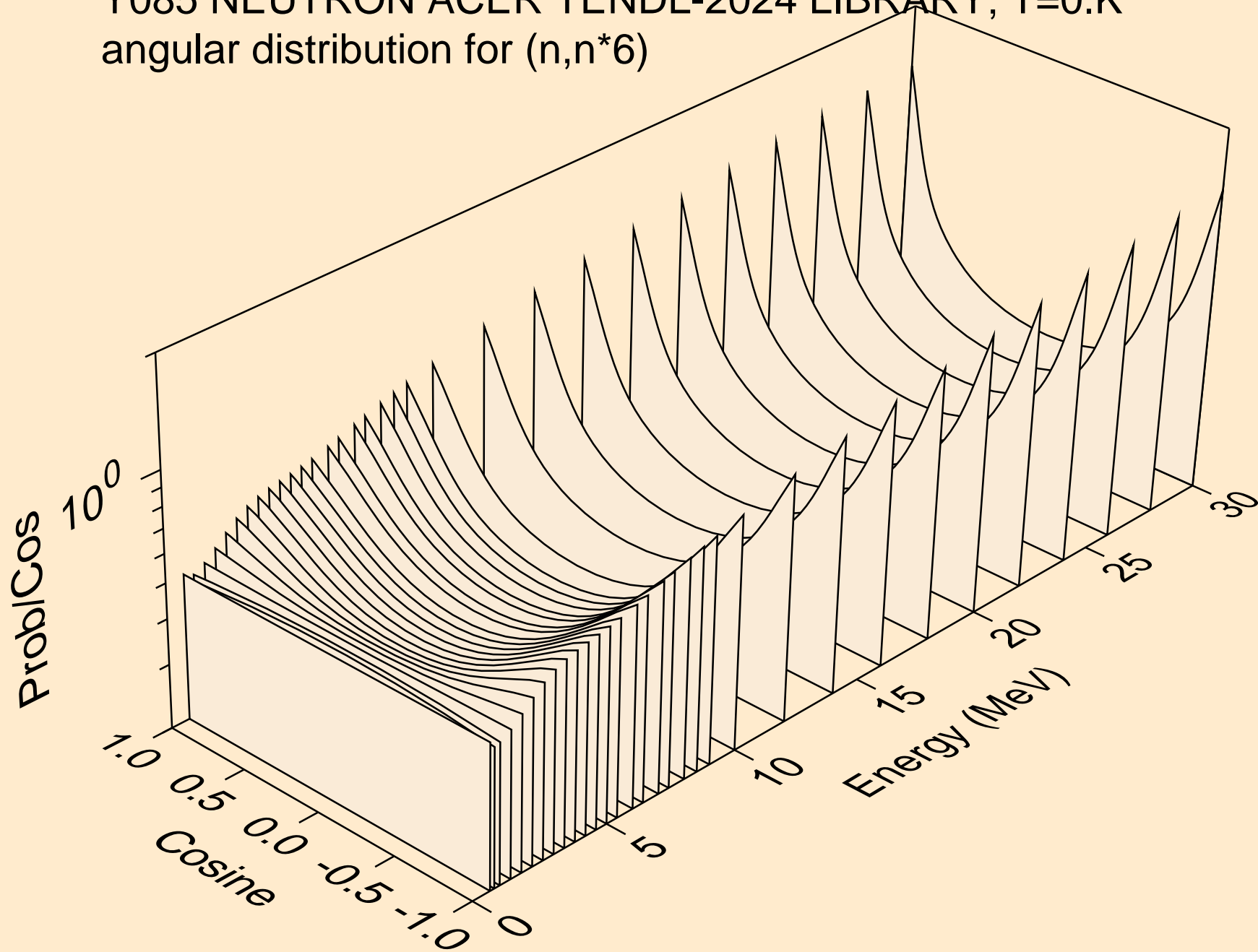
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angular distribution for (n,n\*4)



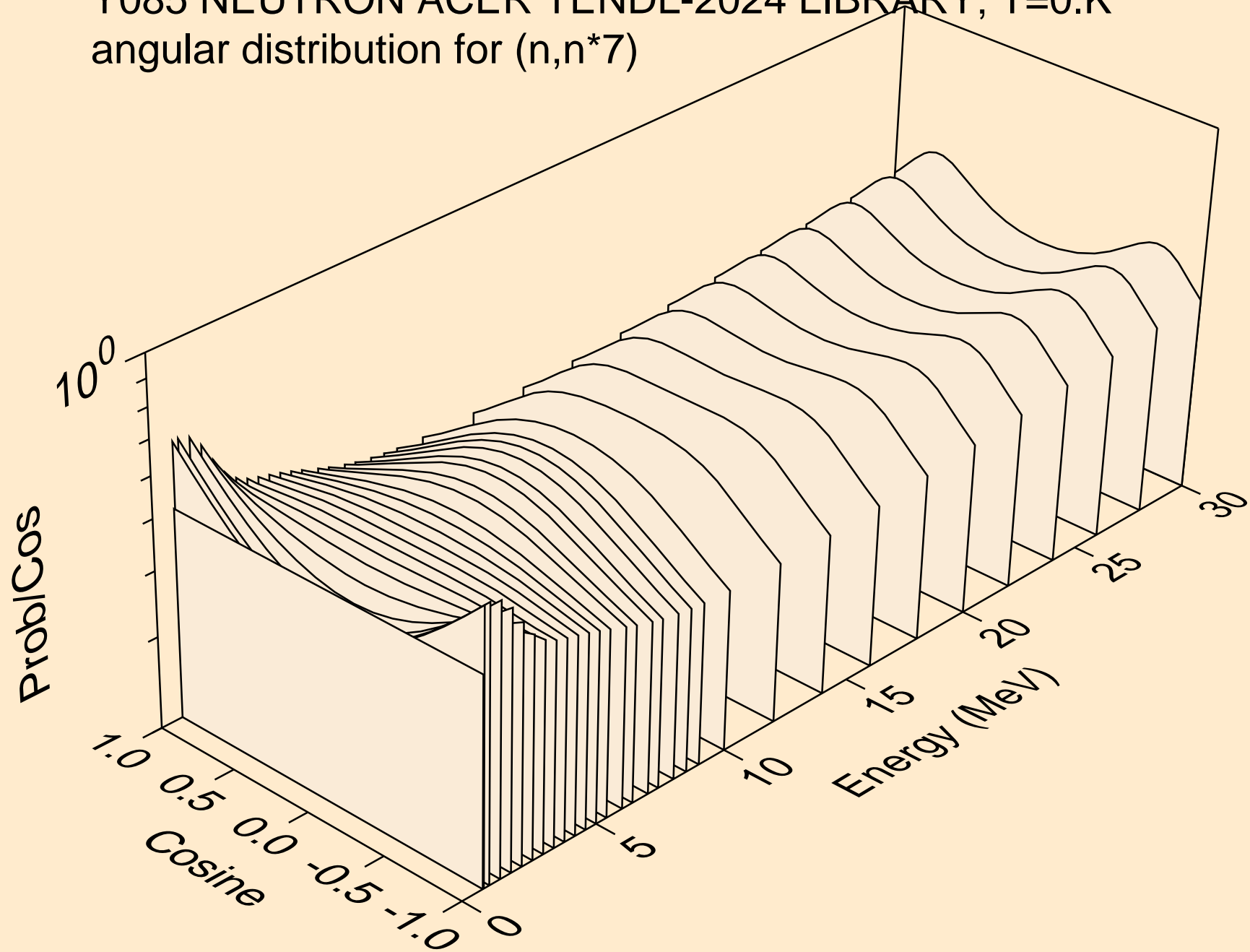
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angular distribution for (n,n\*5)



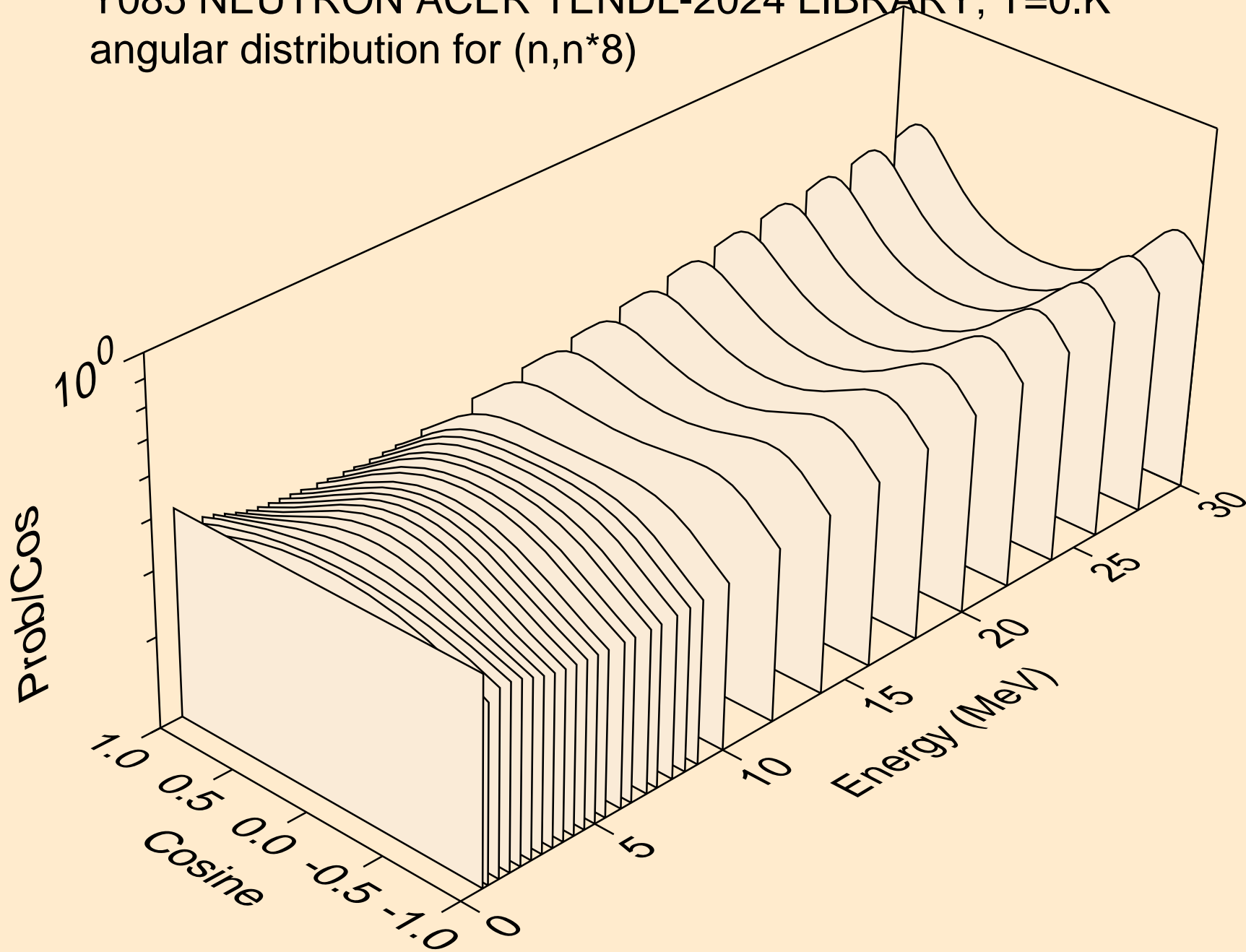
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angular distribution for (n,n\*6)



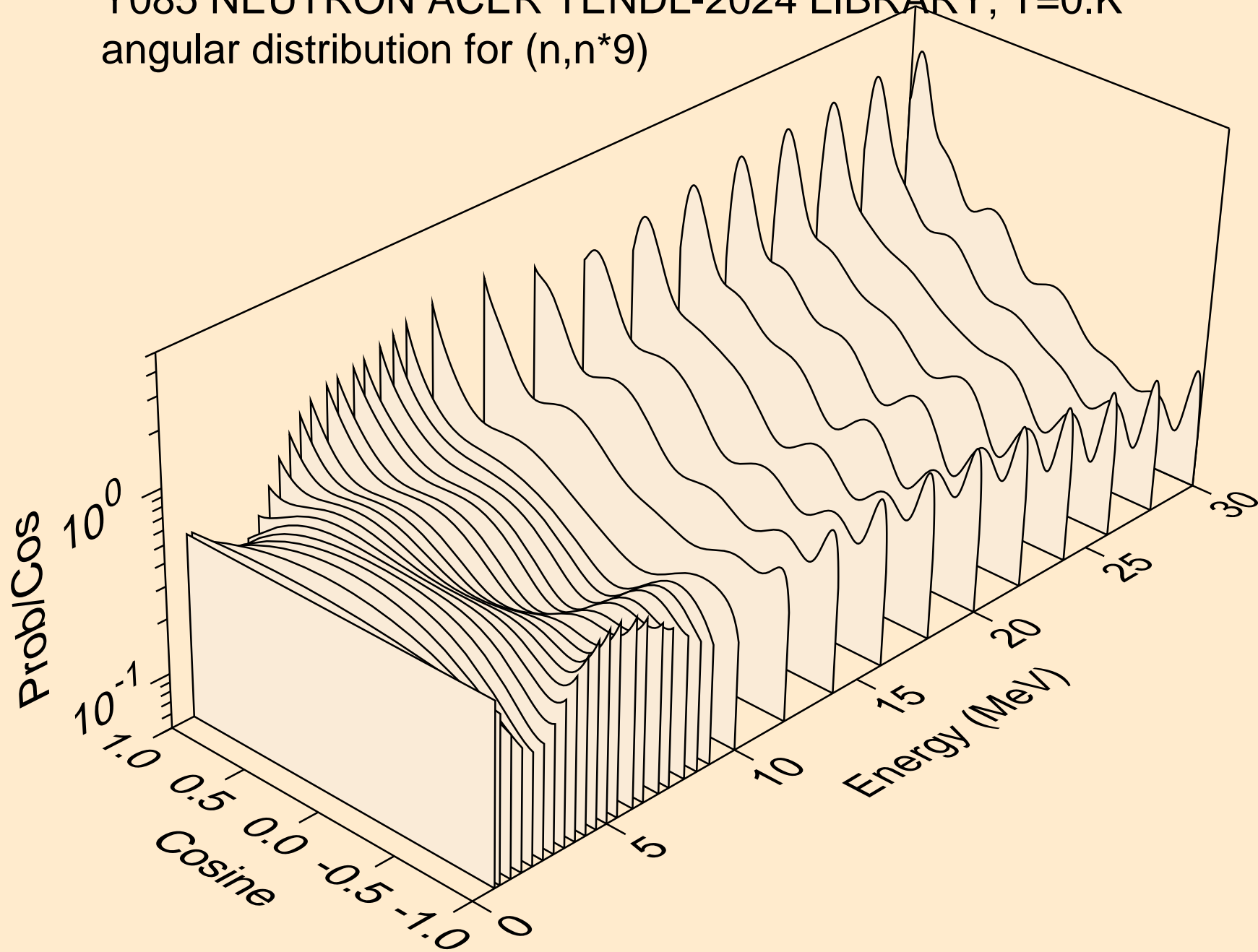
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angular distribution for (n,n\*7)



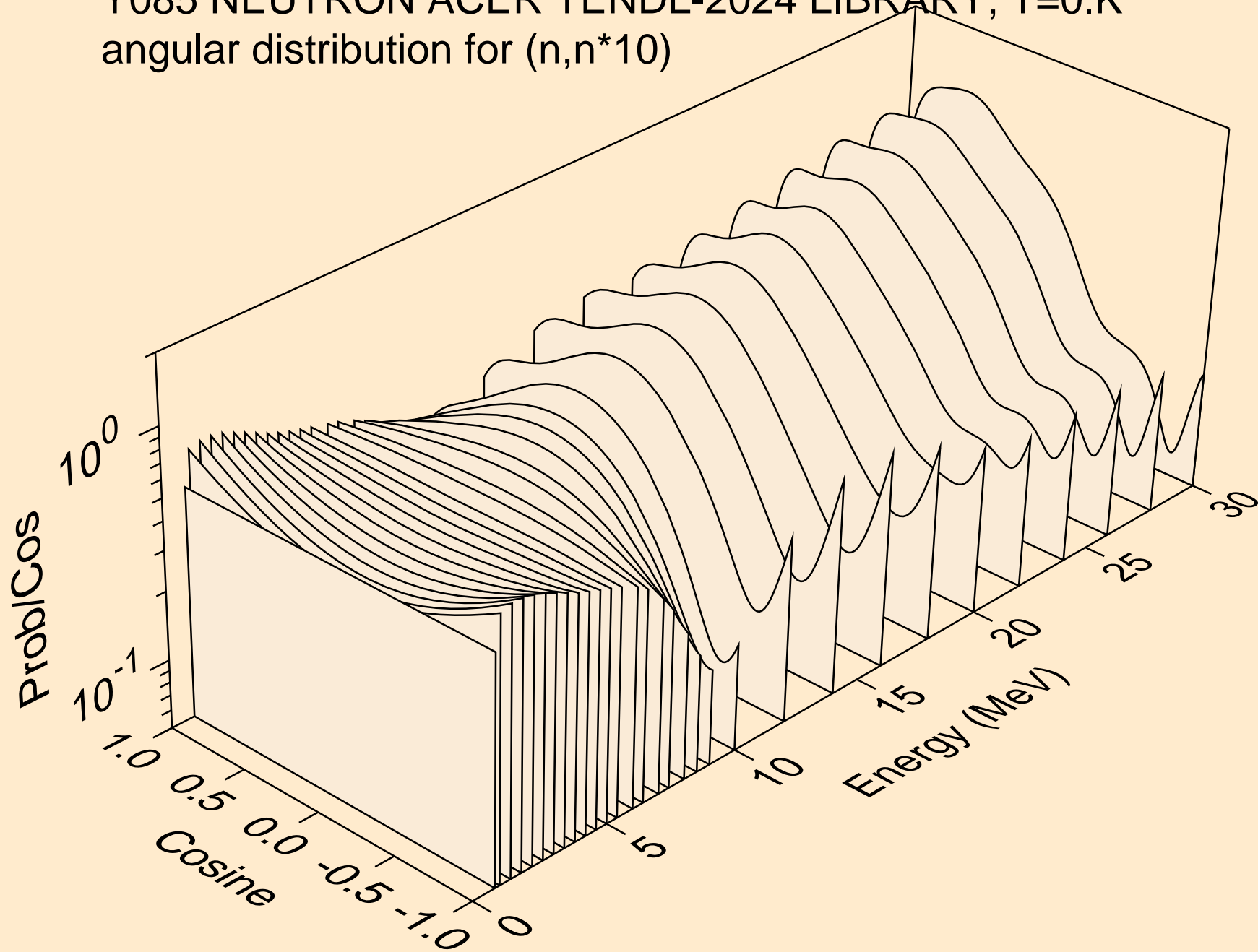
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

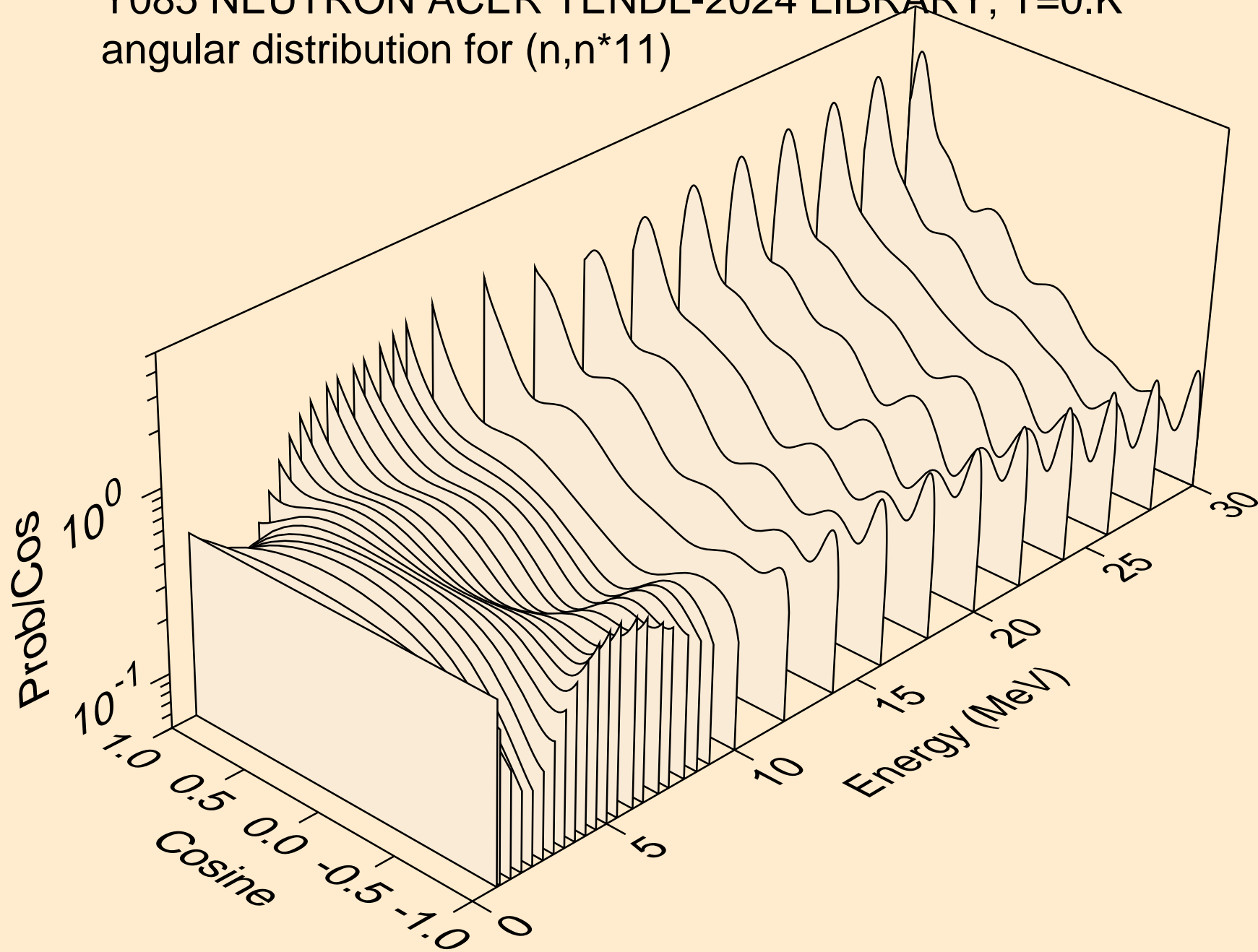


Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

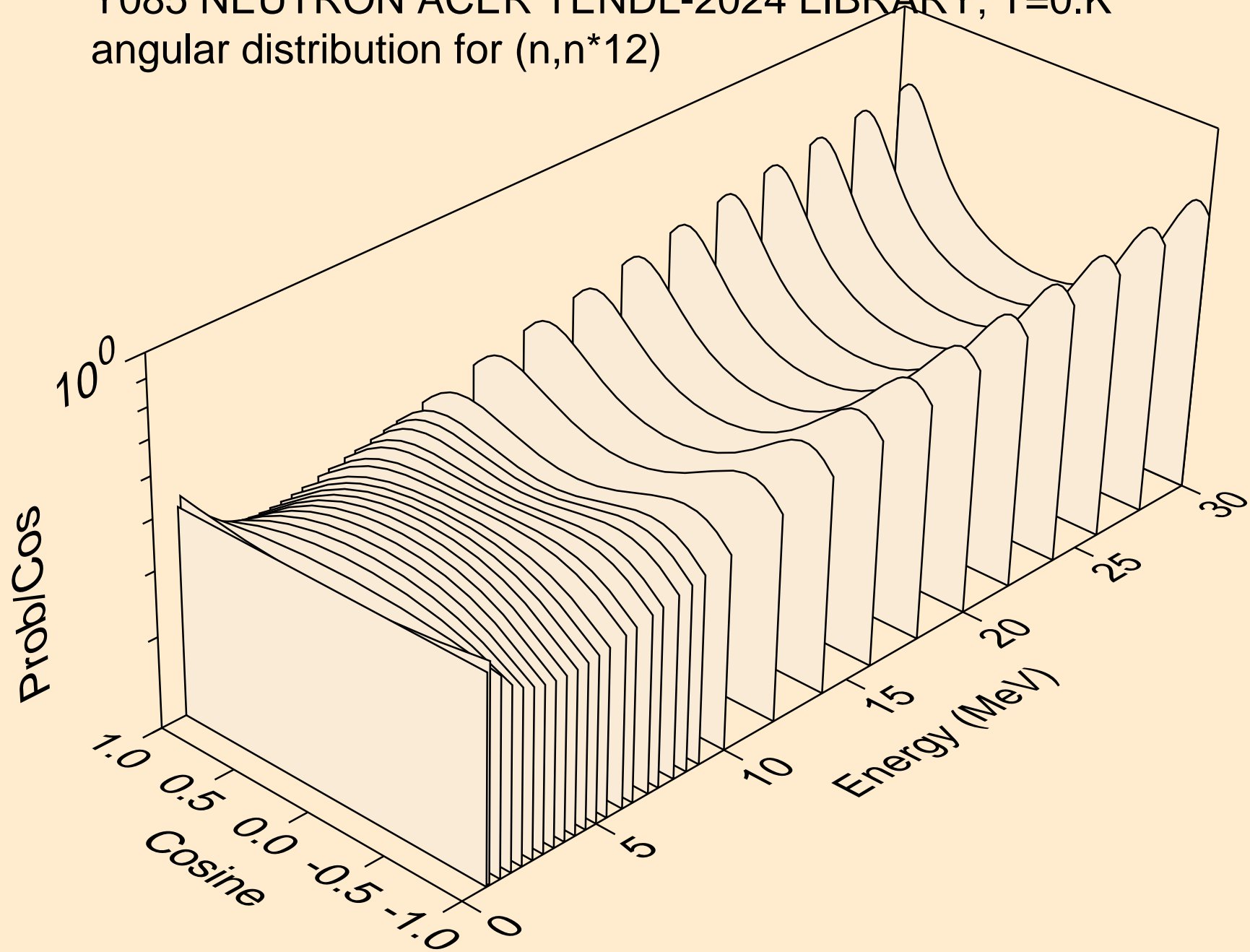




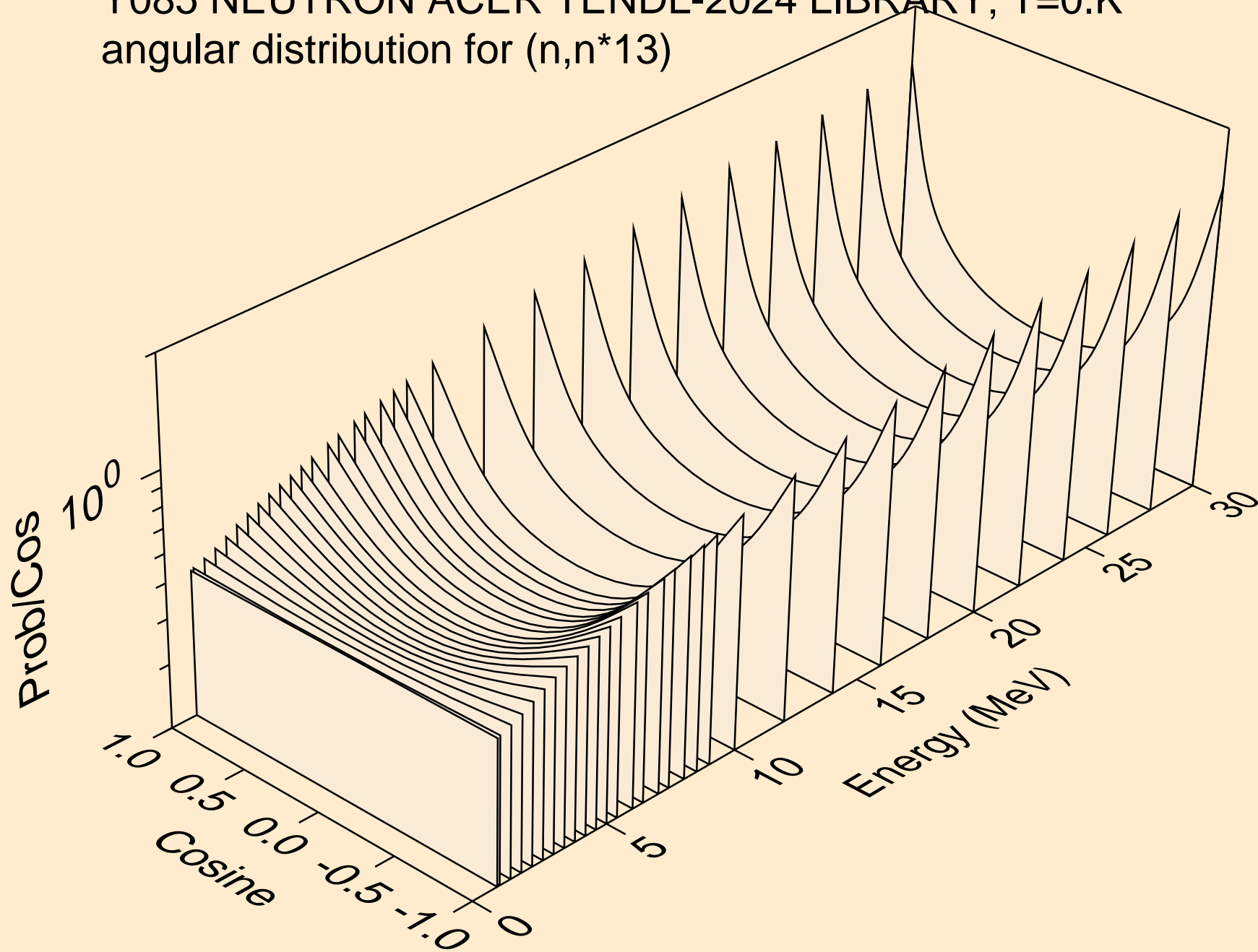
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angular distribution for (n,n\*11)



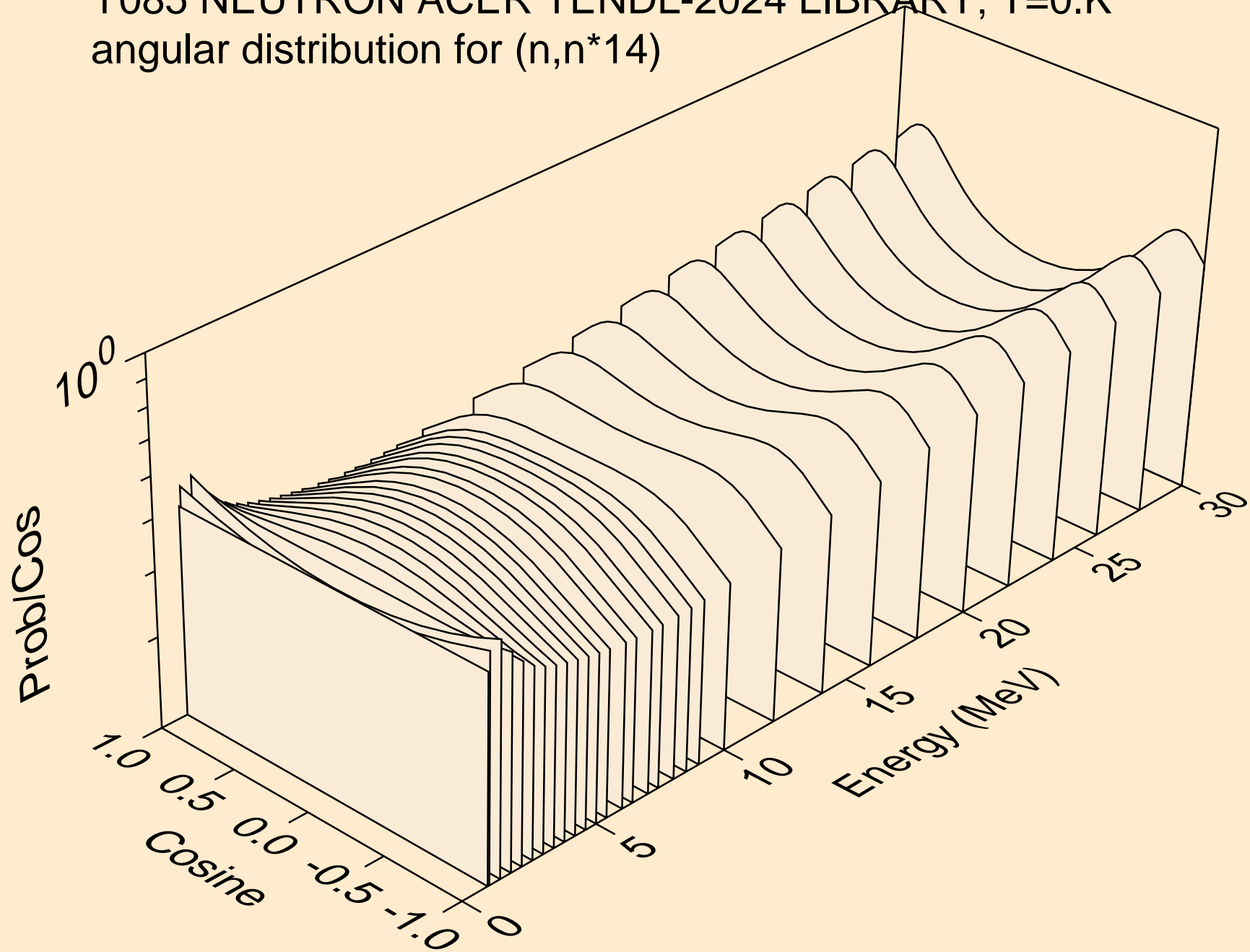
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angular distribution for (n,n\*12)



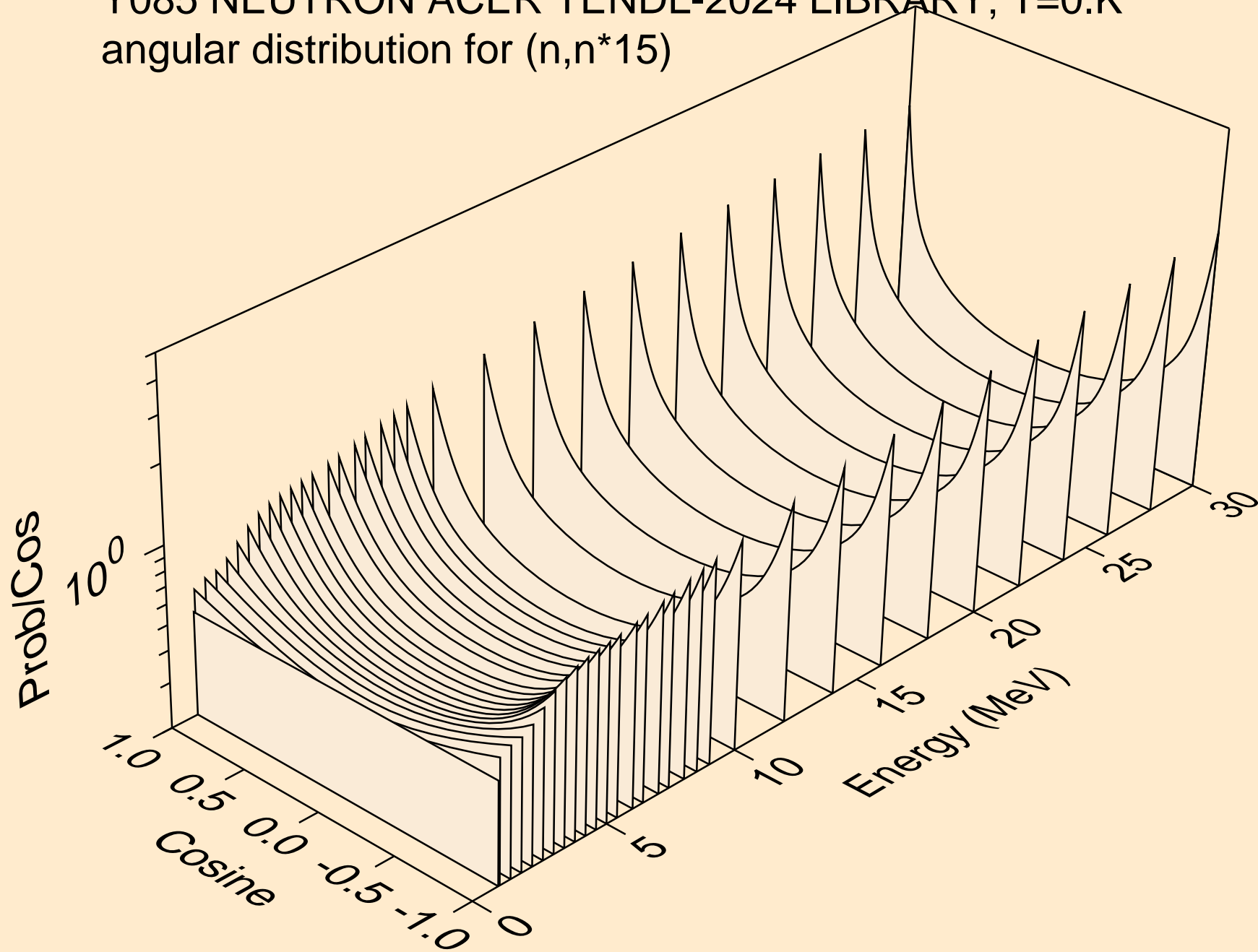
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angular distribution for (n,n\*13)



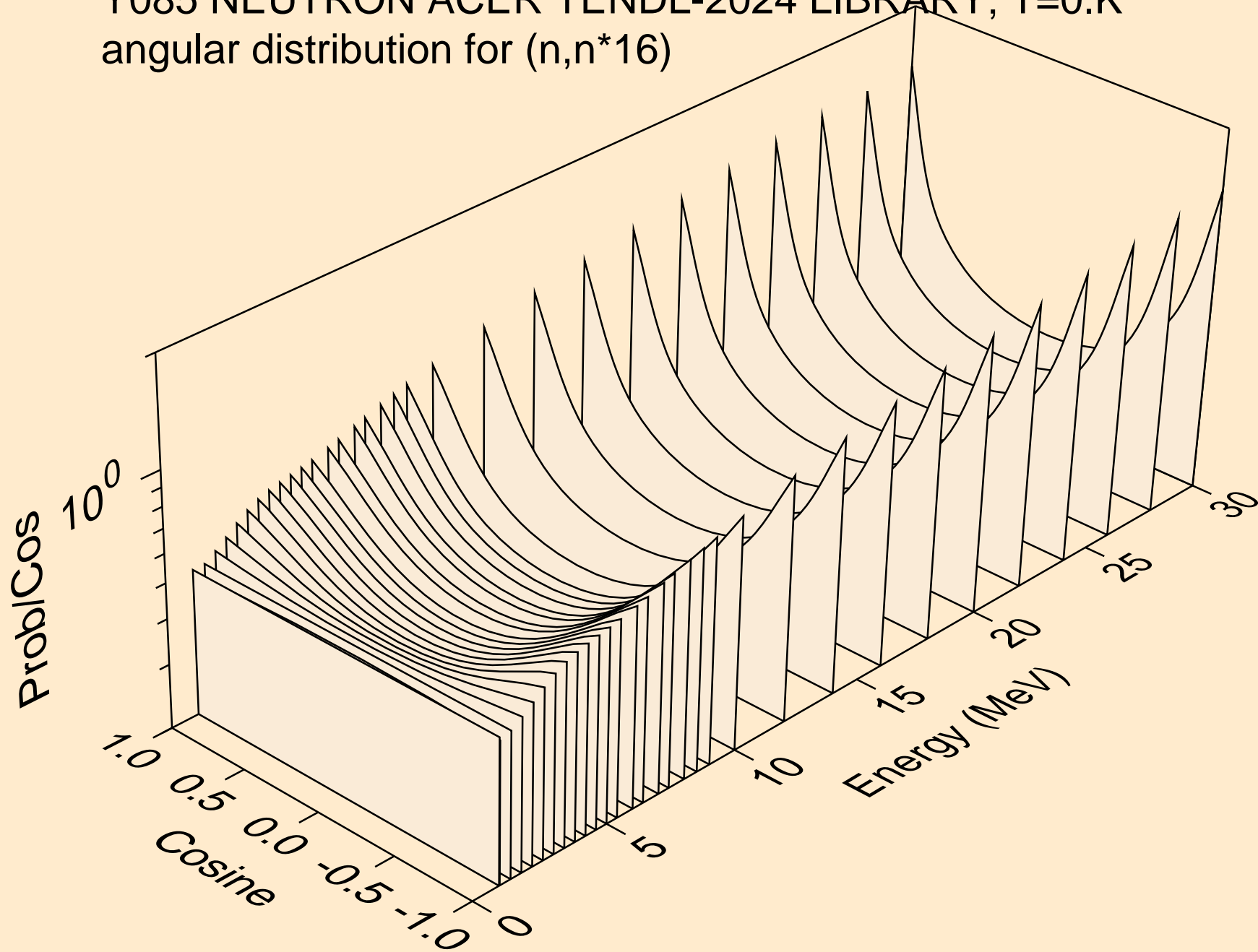
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angular distribution for (n,n\*14)



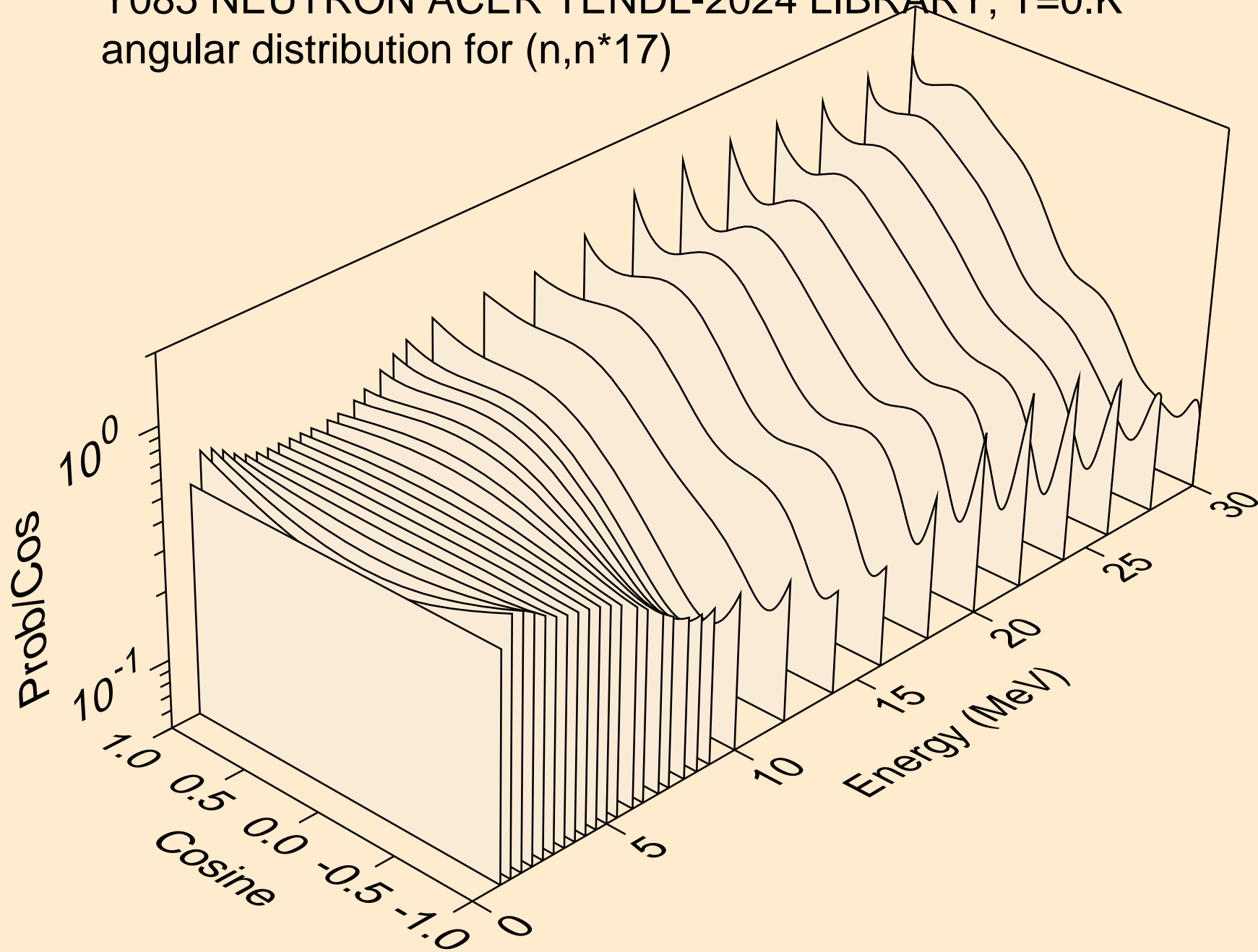
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angular distribution for (n,n\*15)



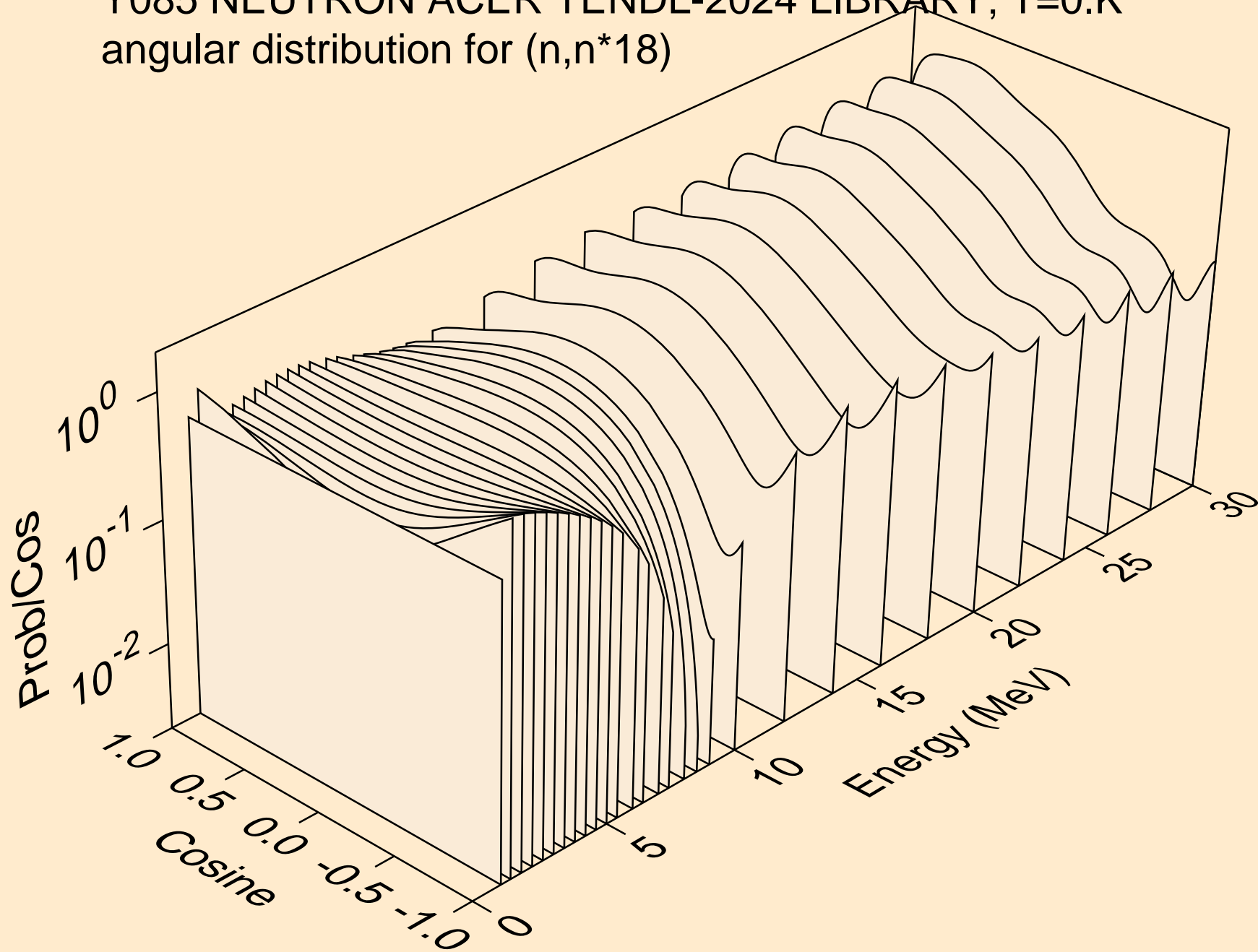
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*17)

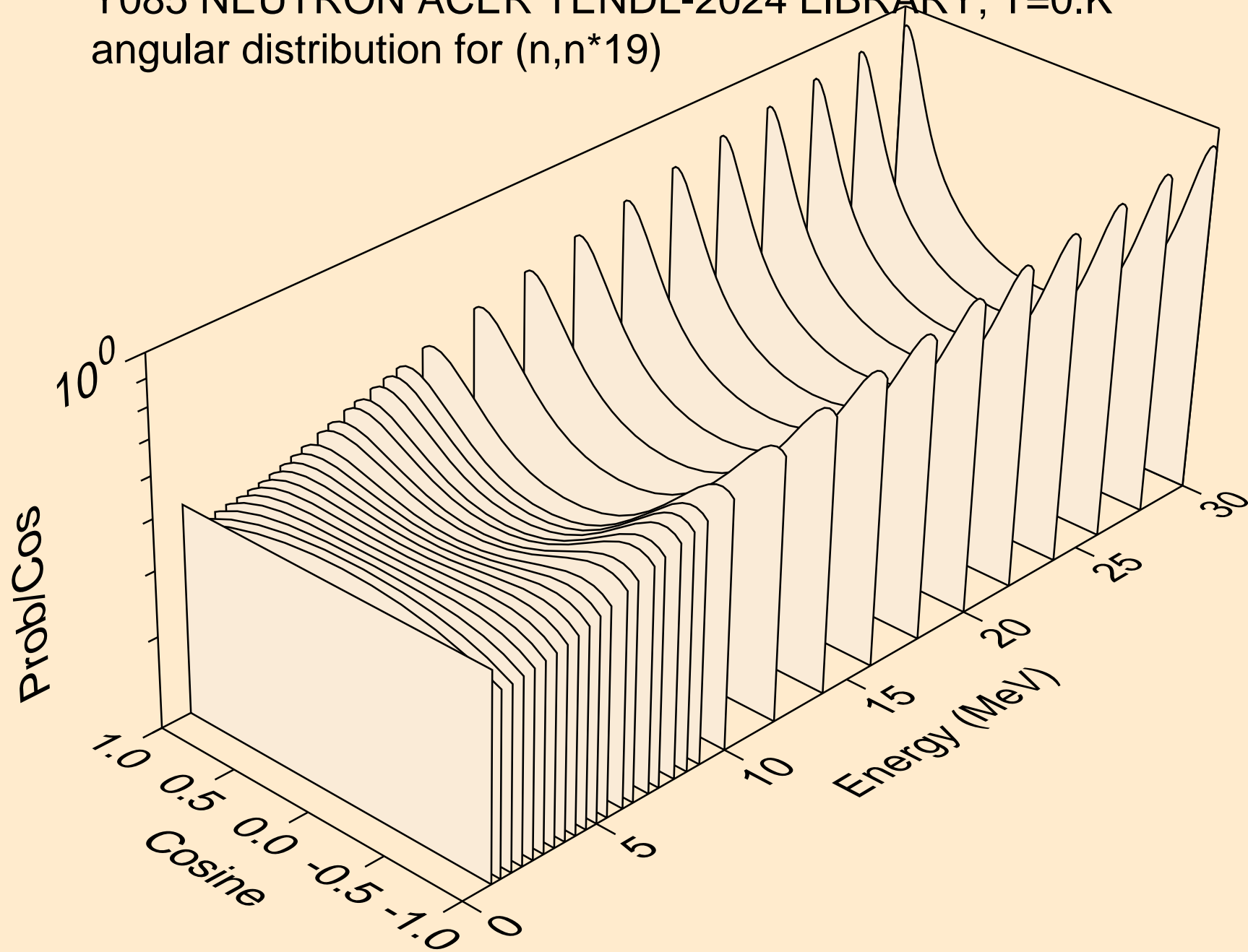


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angular distribution for (n,n\*18)

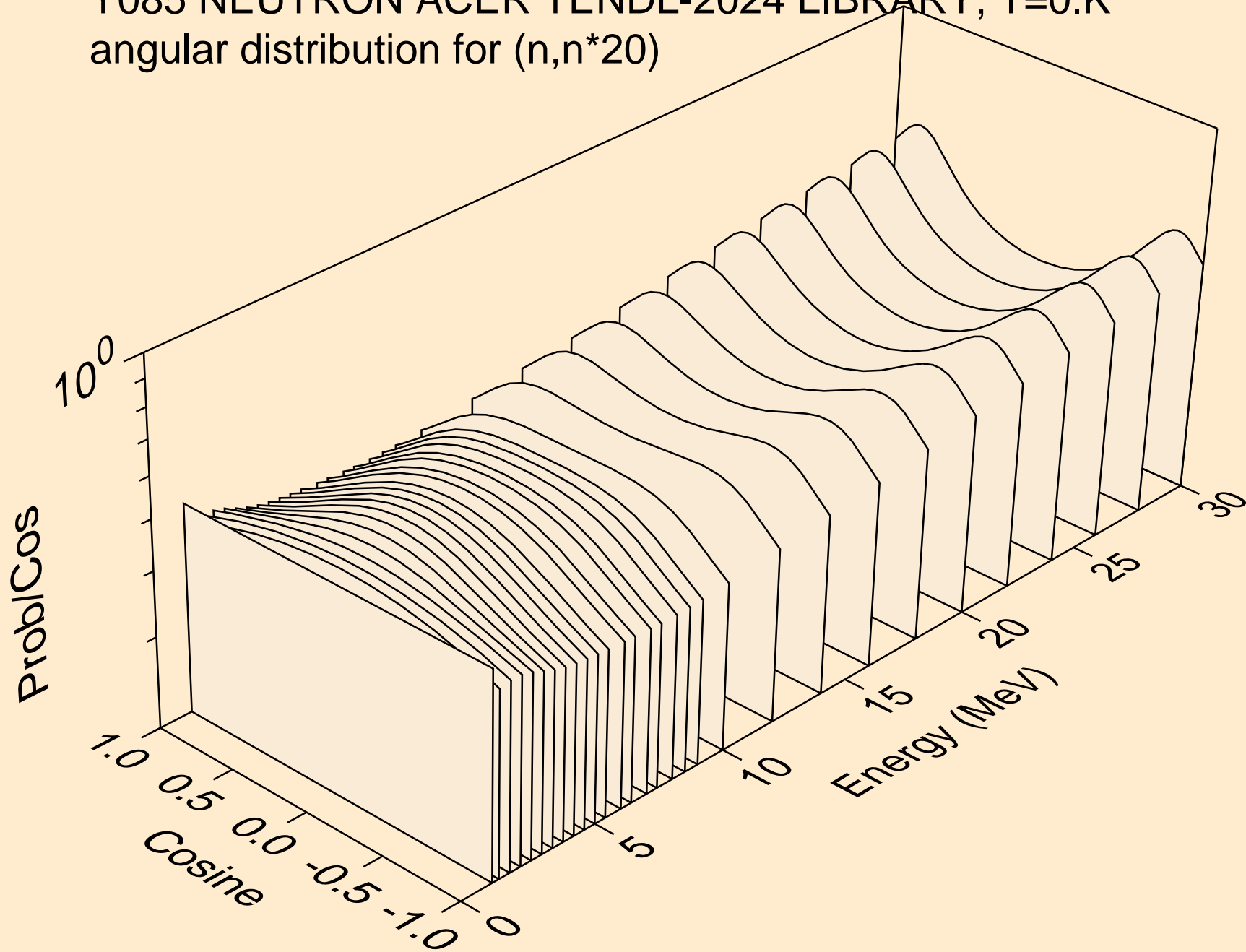




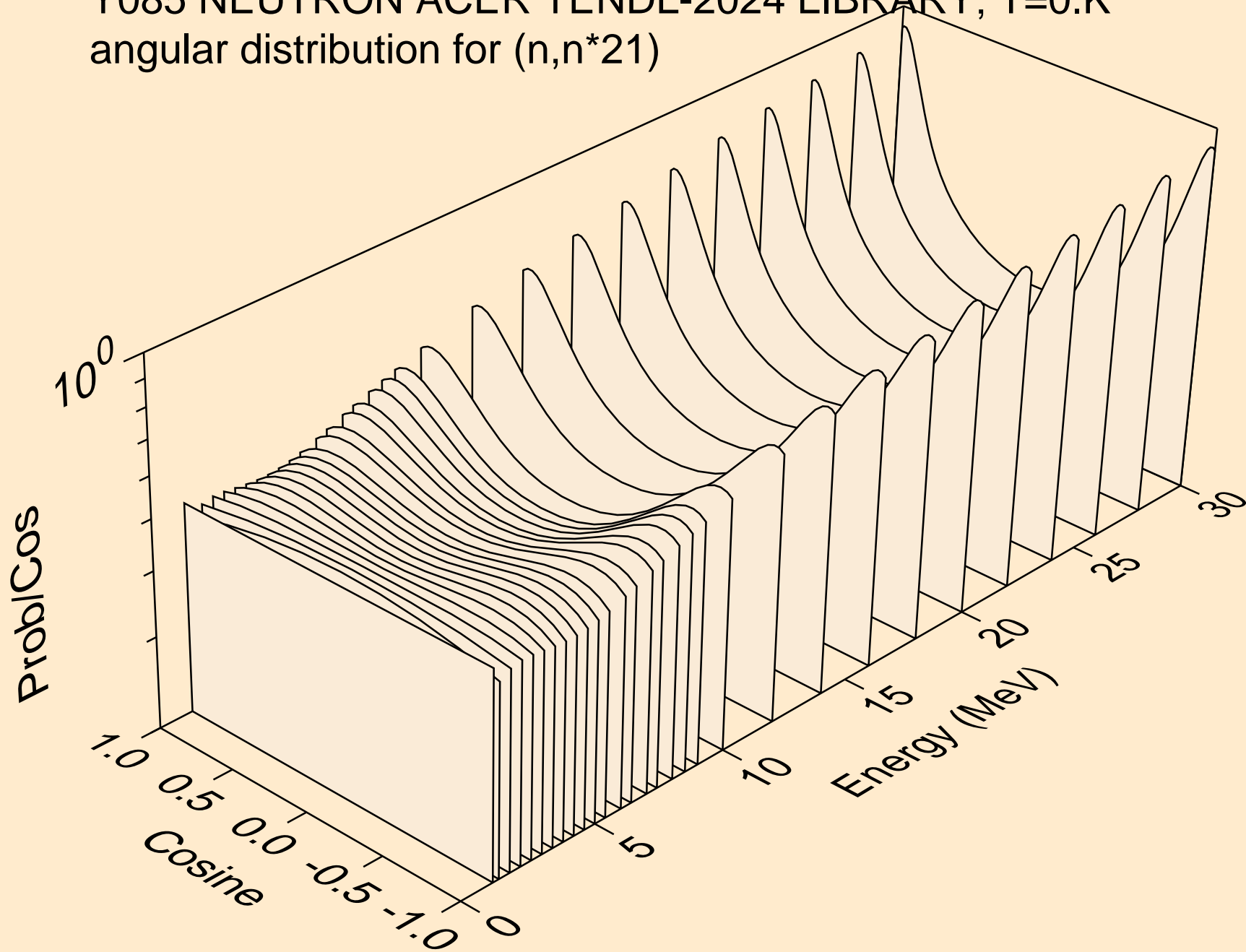
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angular distribution for (n,n\*19)



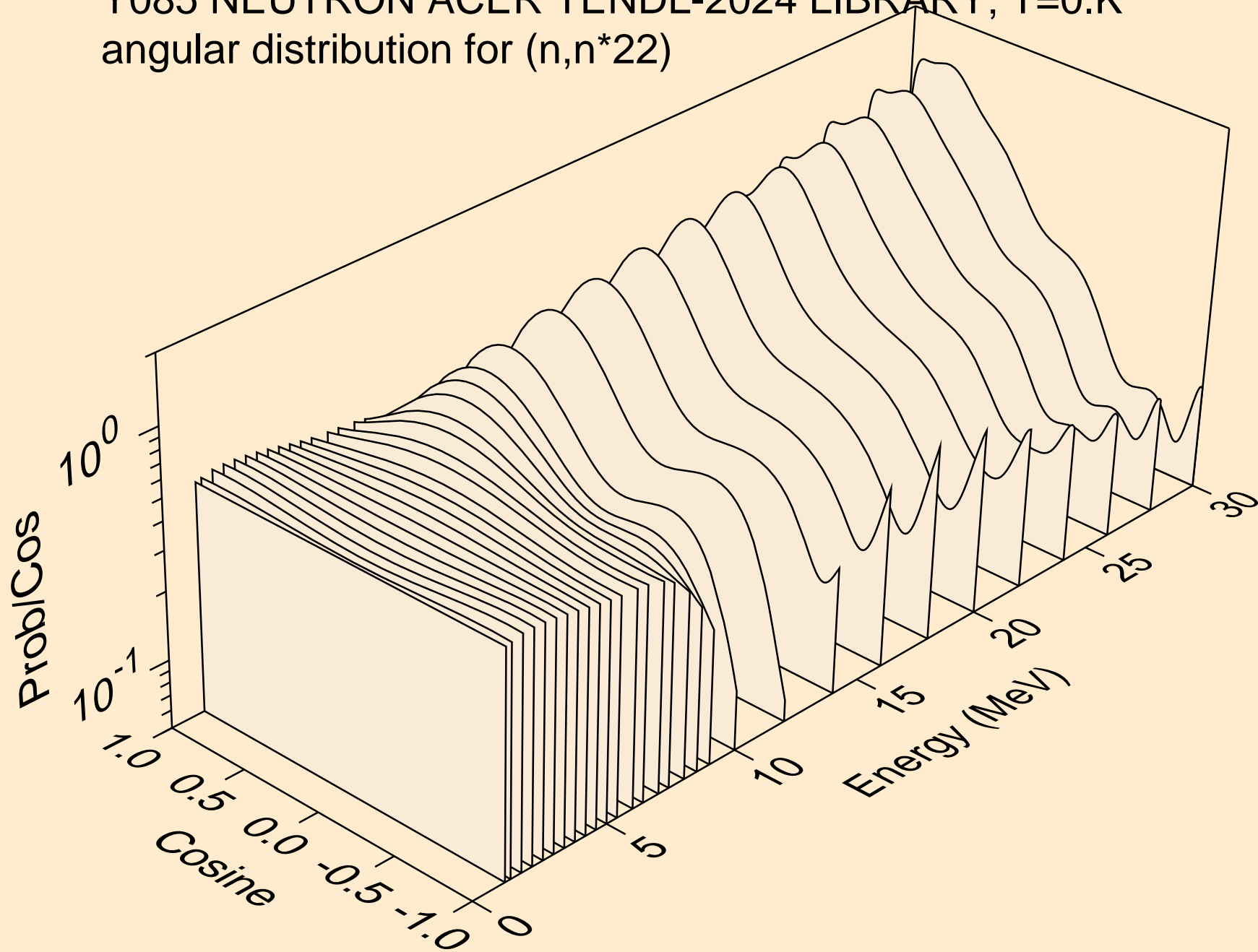
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angular distribution for (n,n\*20)



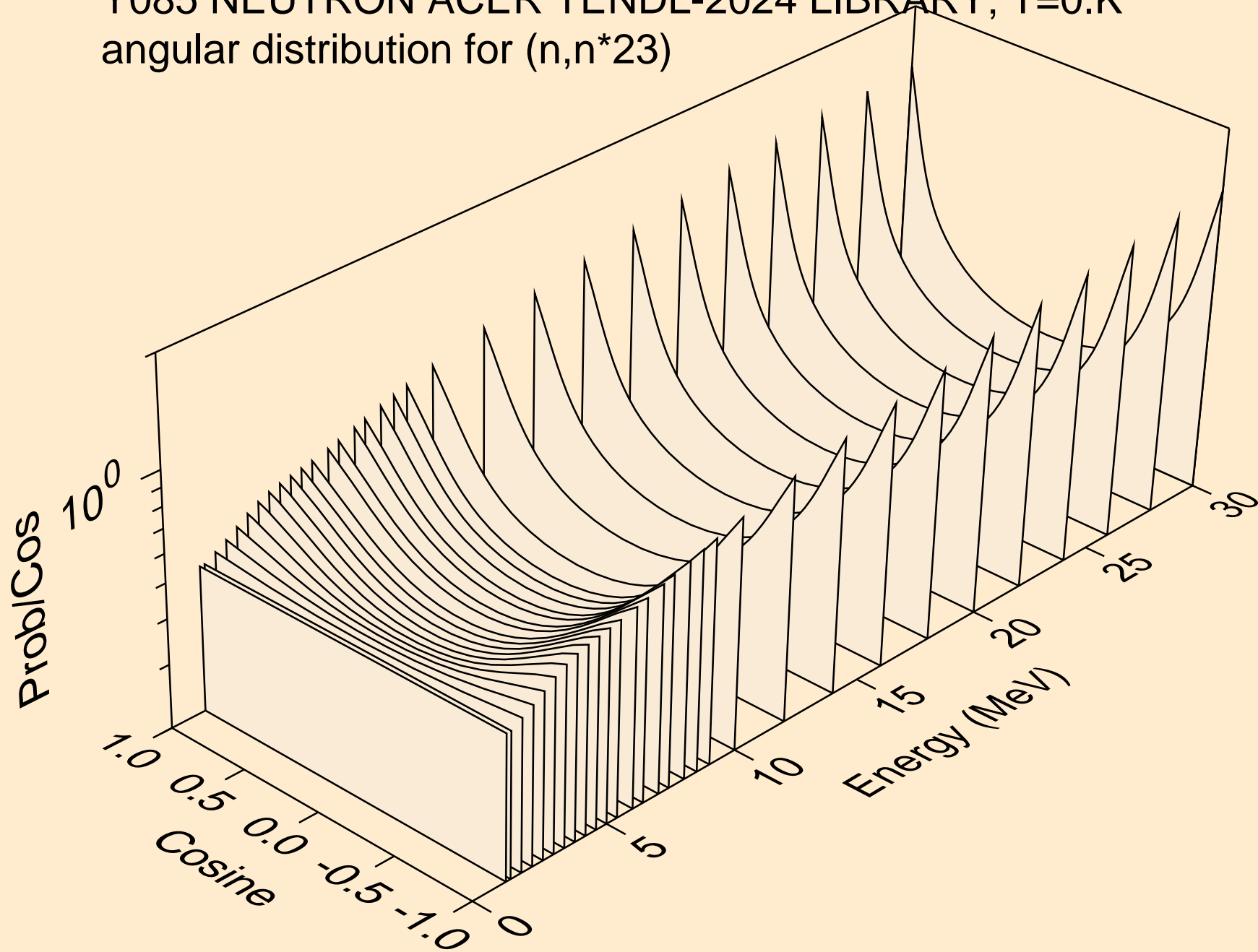
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angular distribution for (n,n\*21)



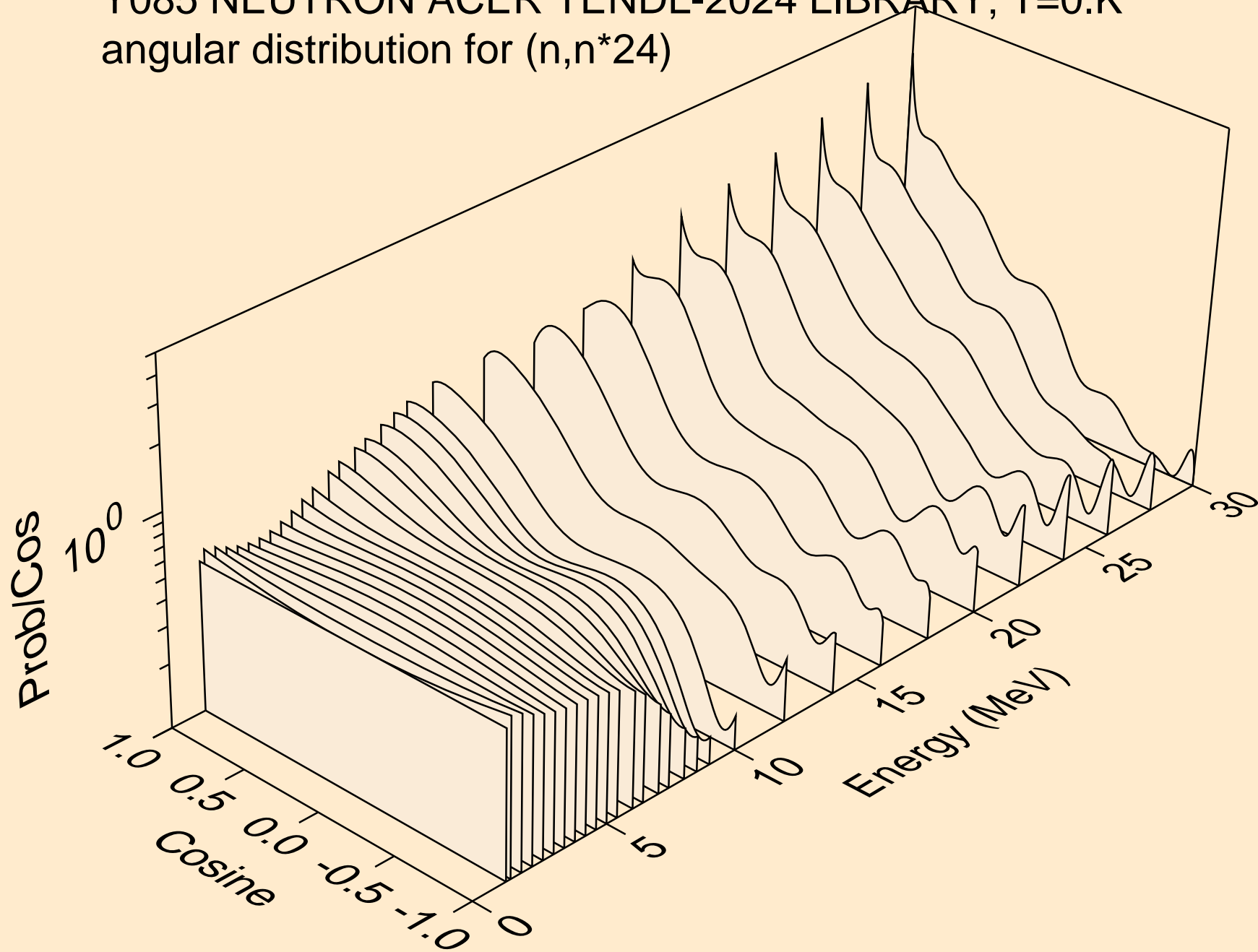
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angular distribution for (n,n\*22)



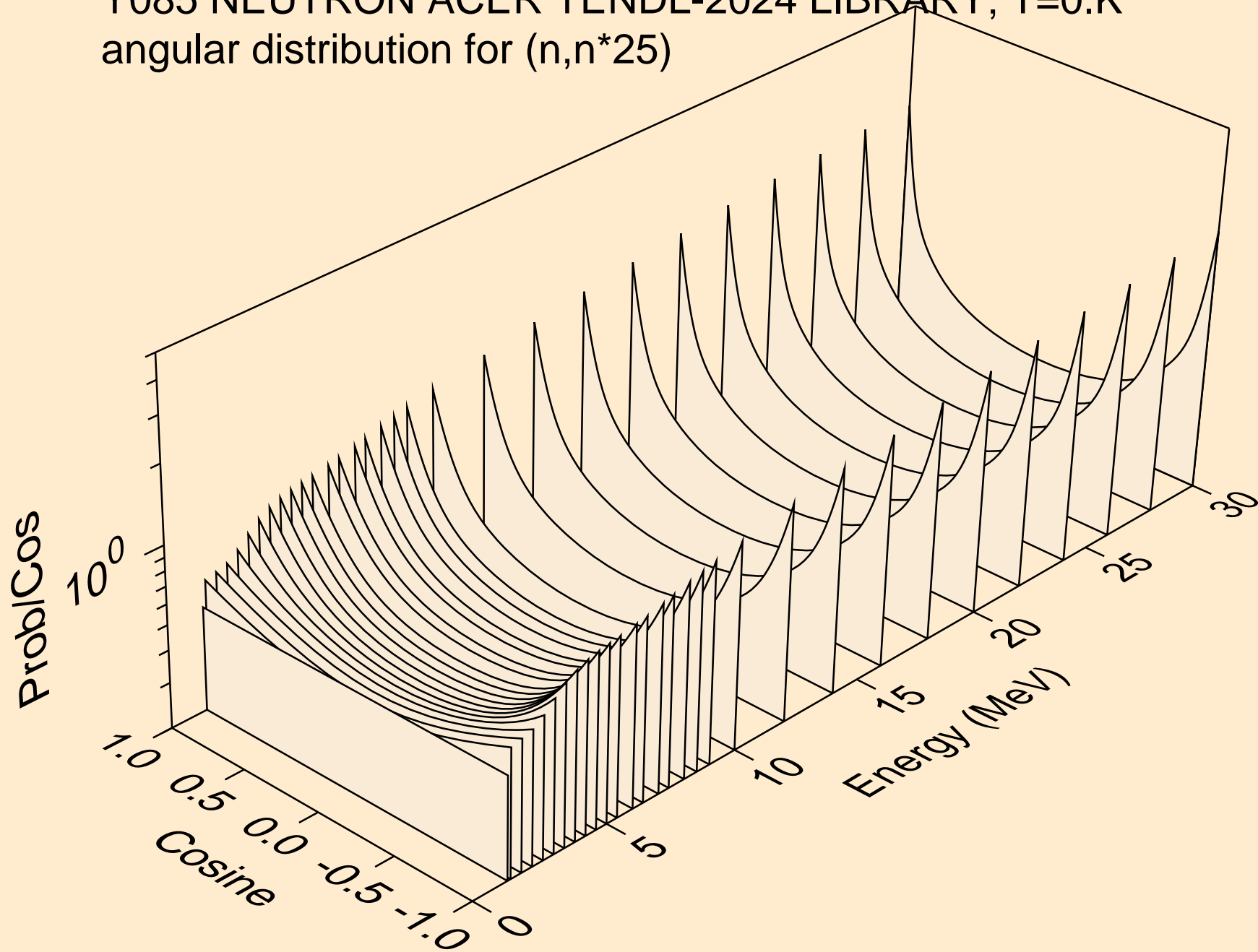
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angular distribution for (n,n\*23)



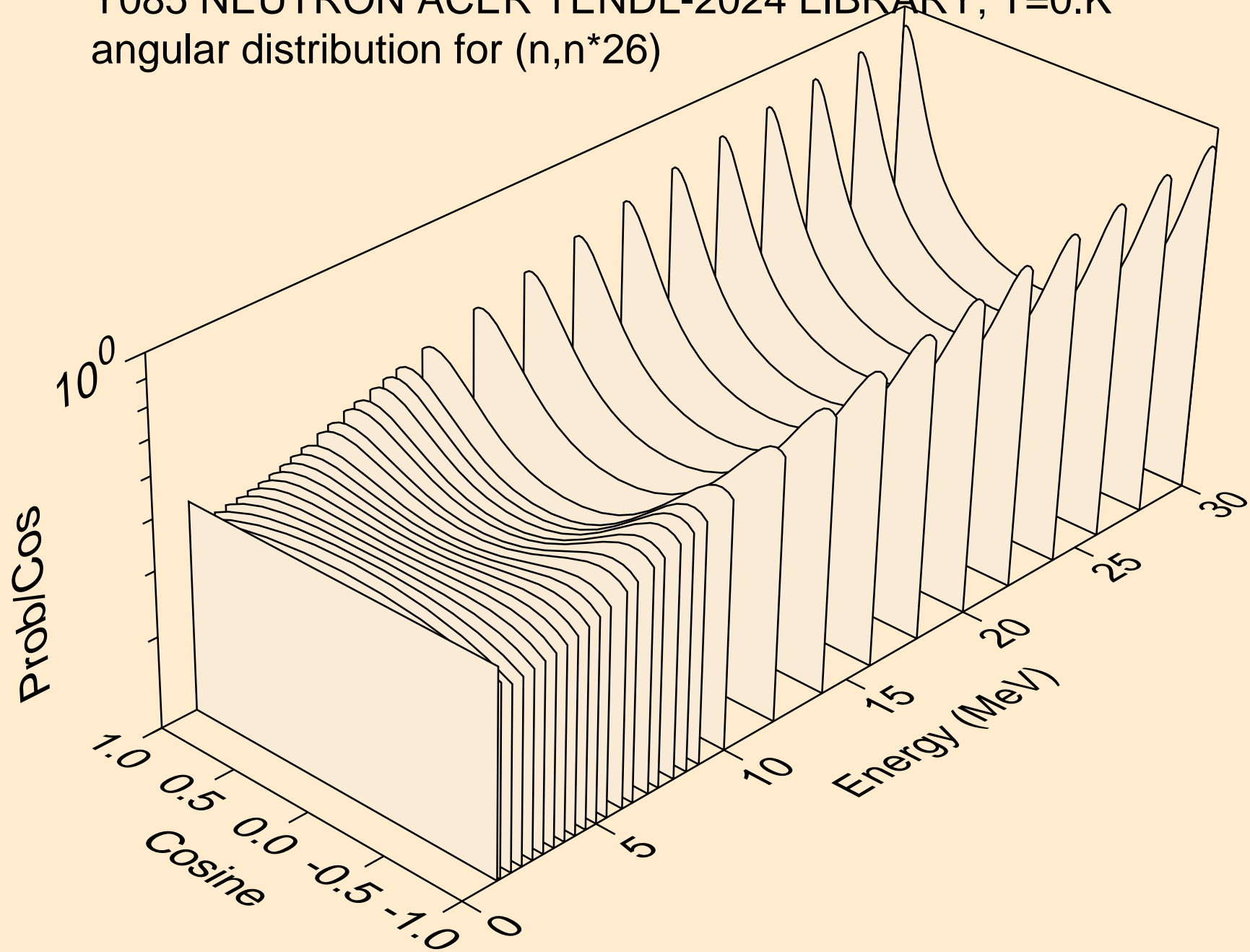
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*24)



Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*25)

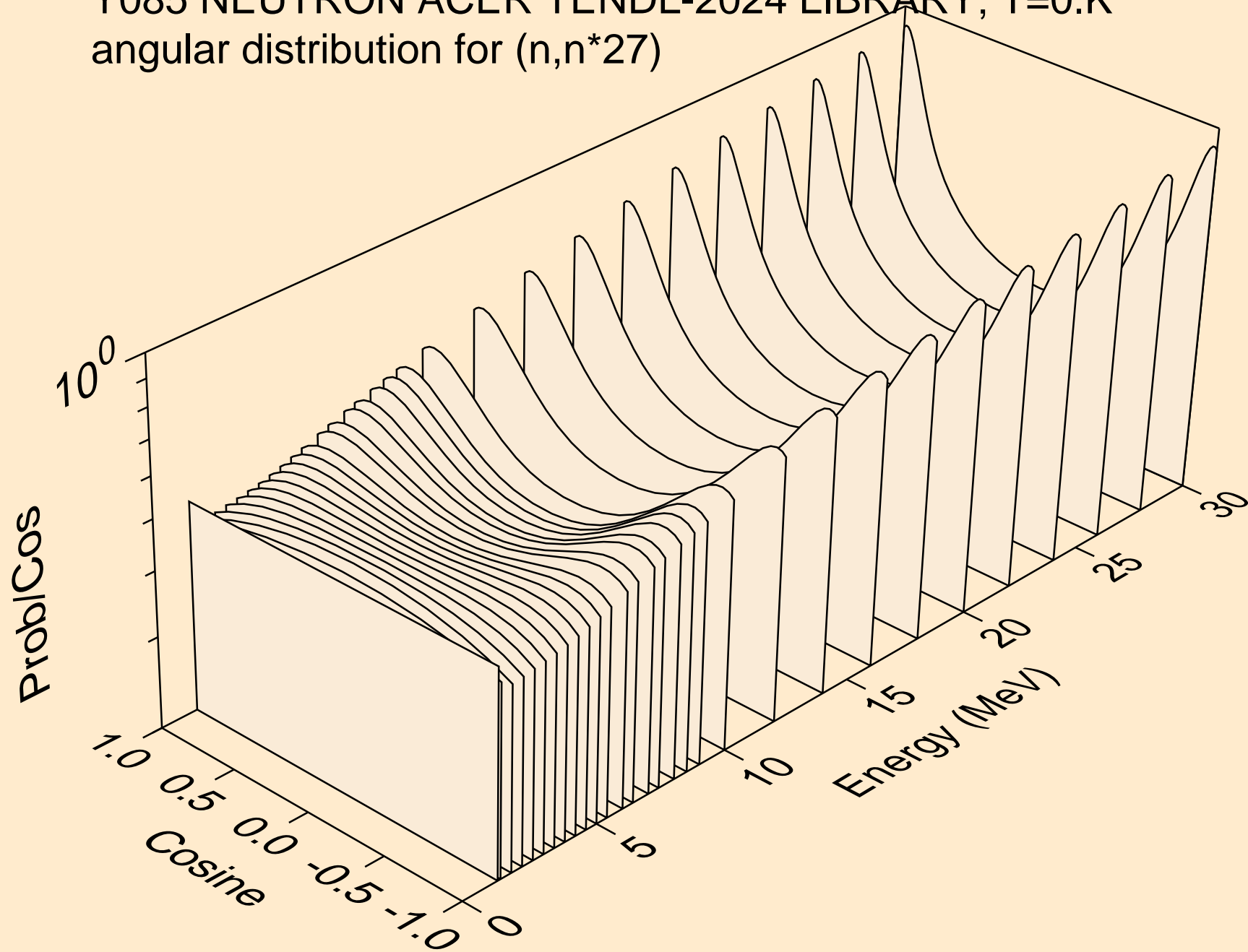


Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)

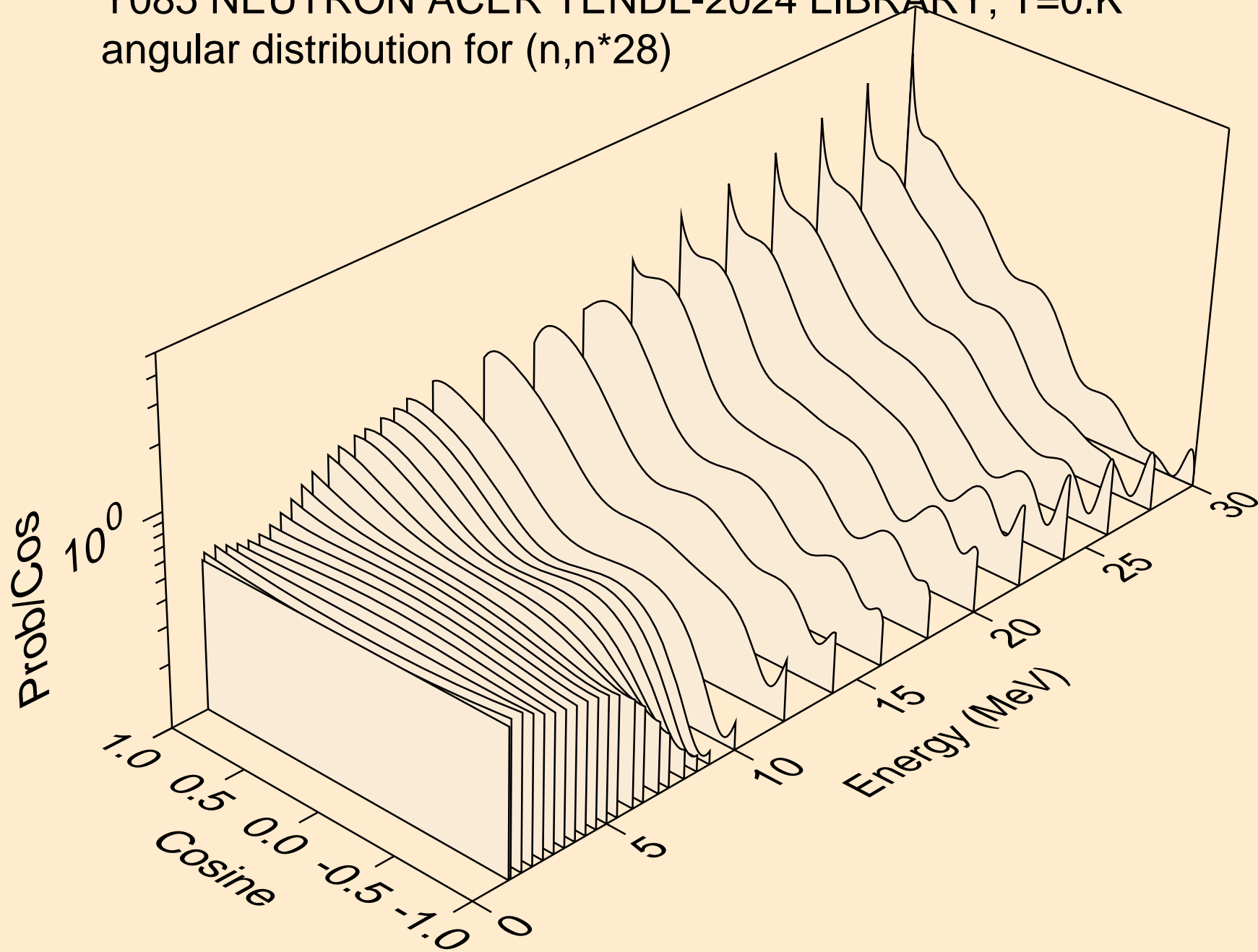




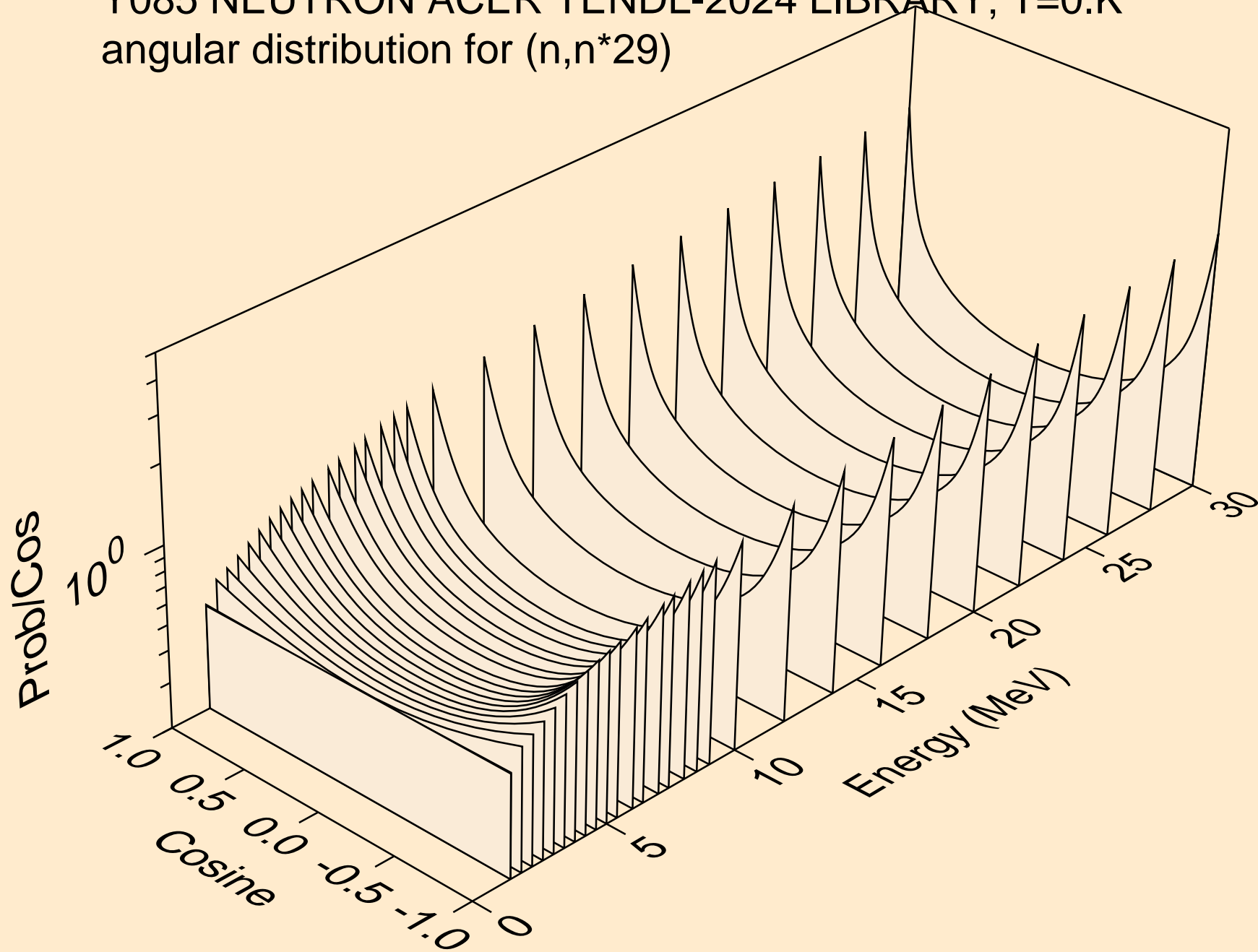
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



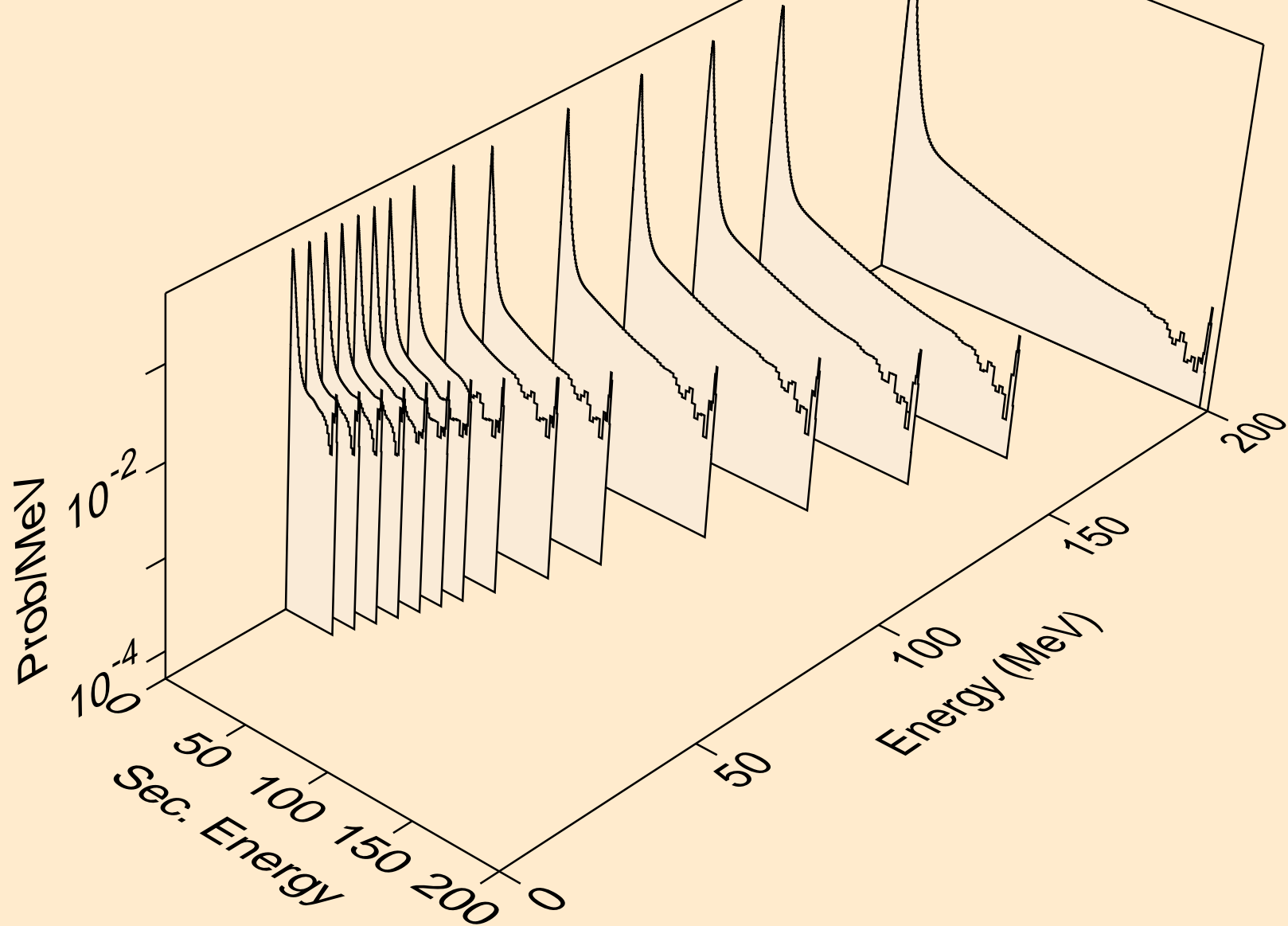
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*28)



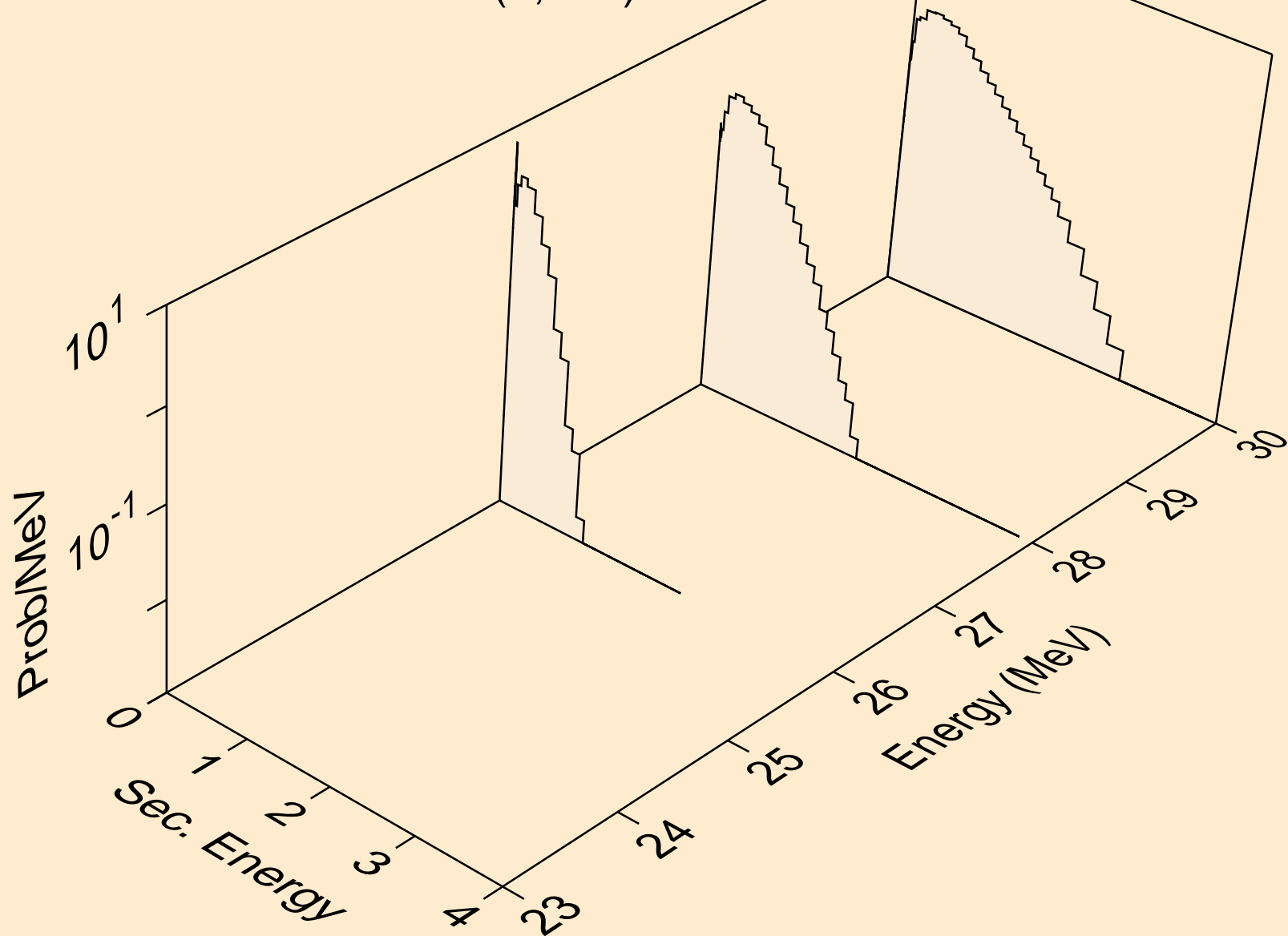
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angular distribution for (n,n\*29)



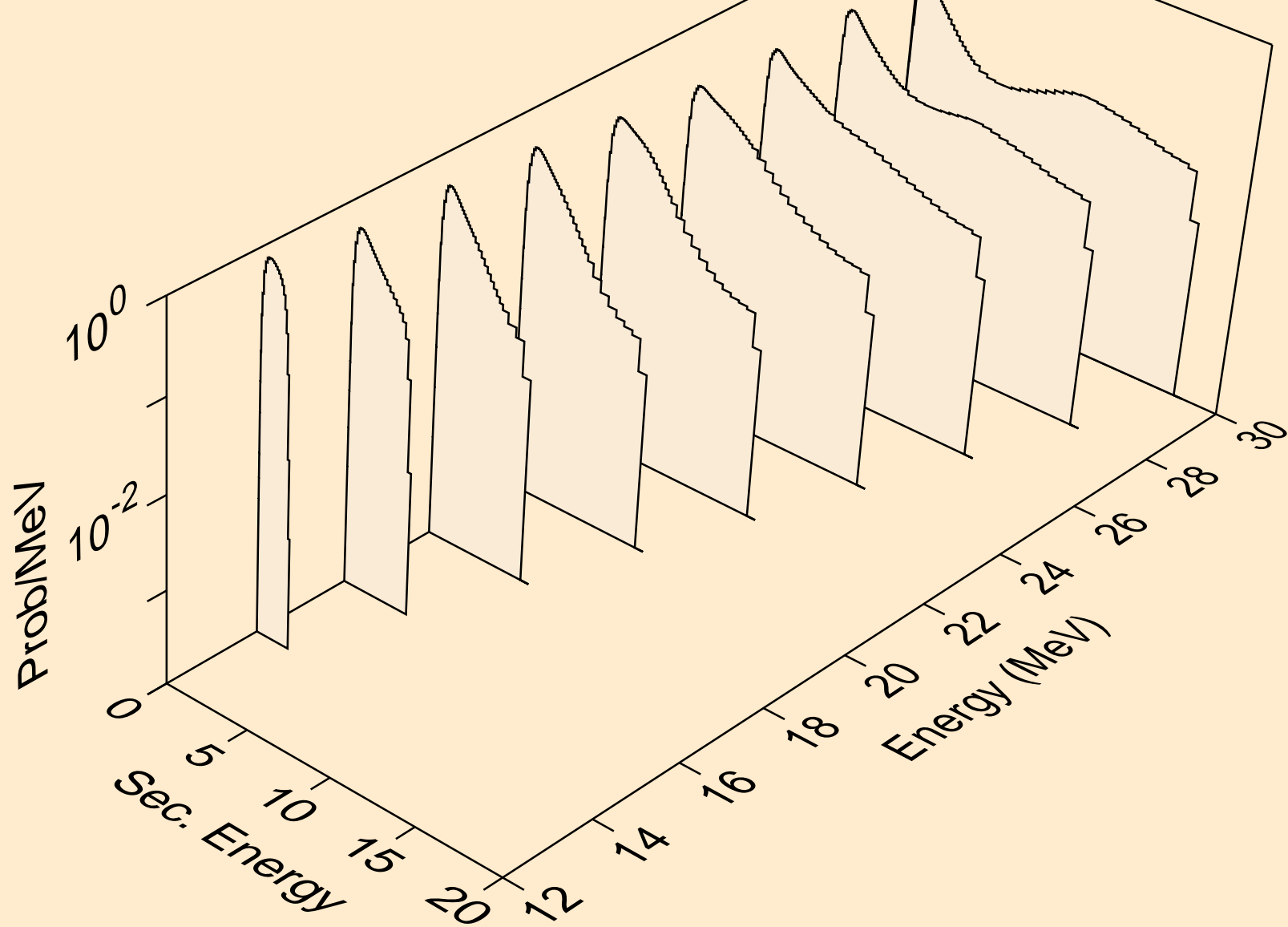
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



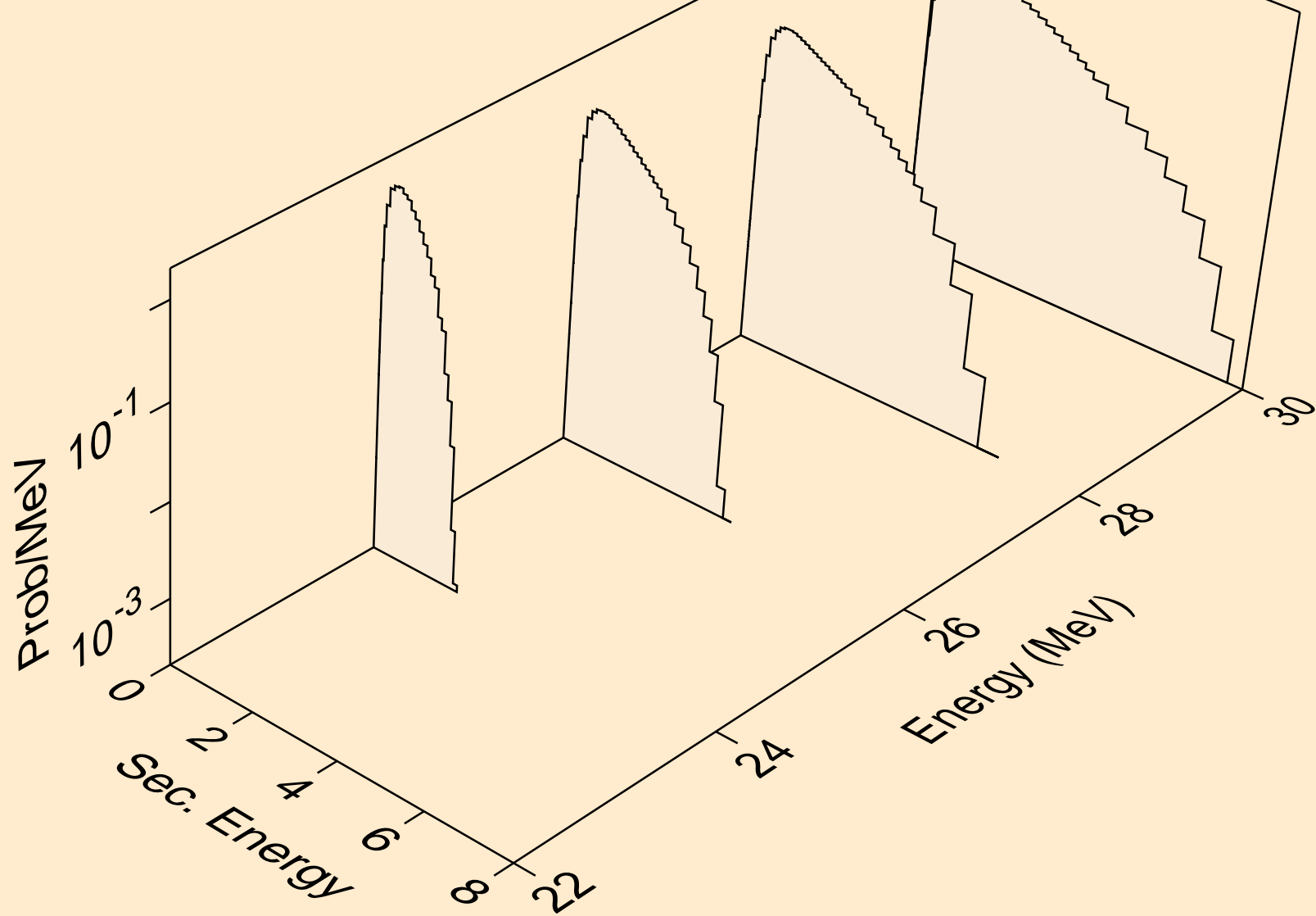
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



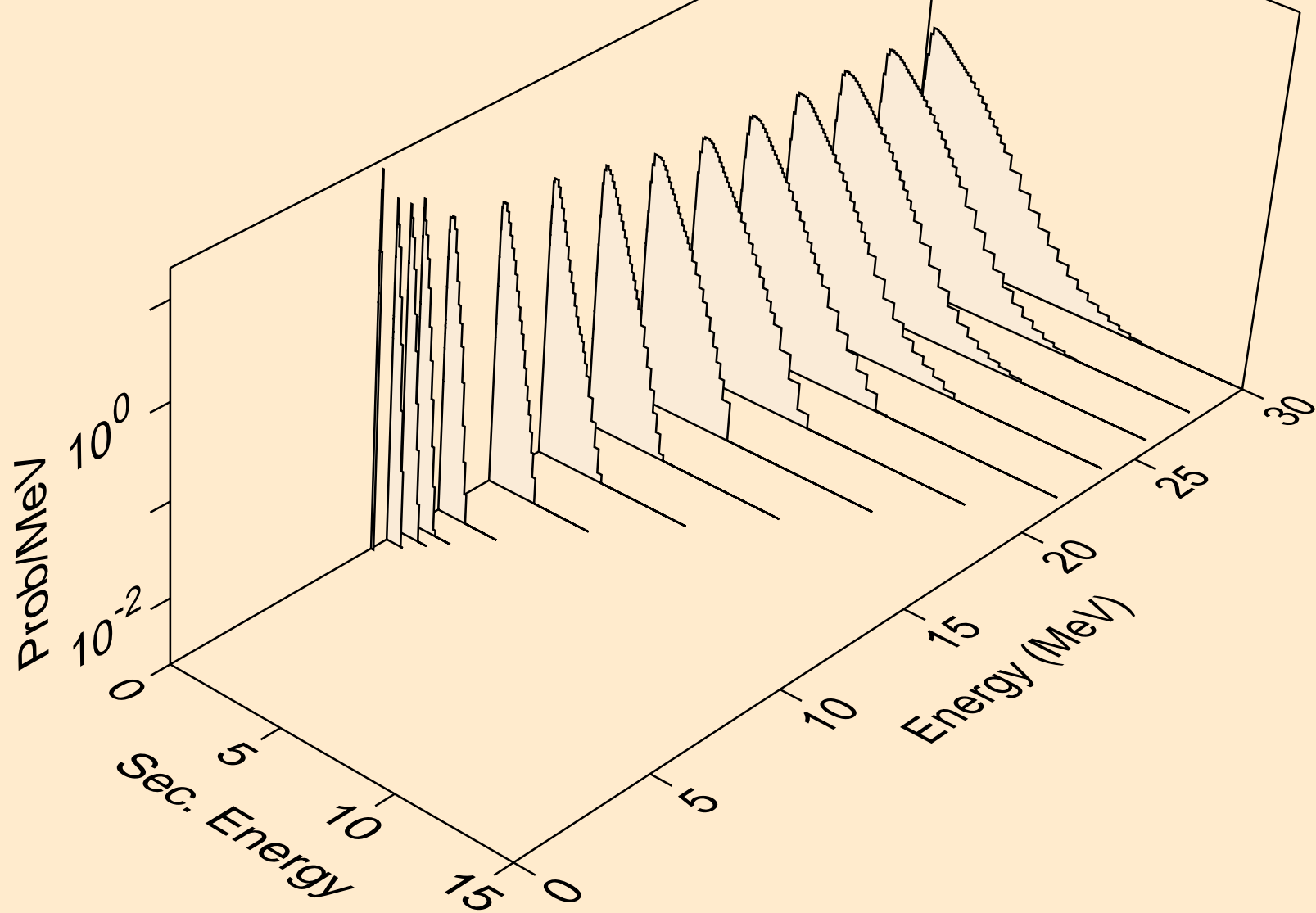
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)

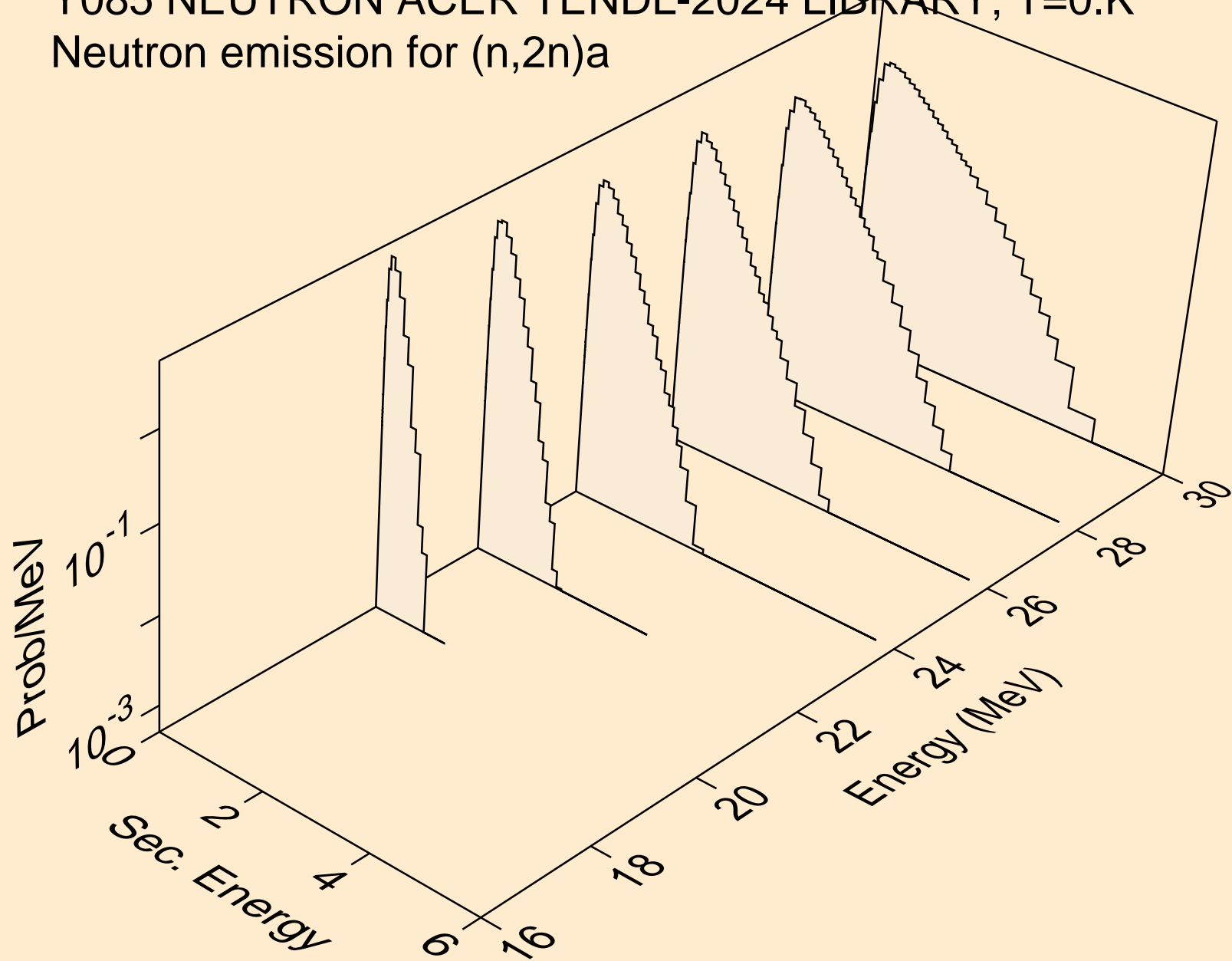


Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

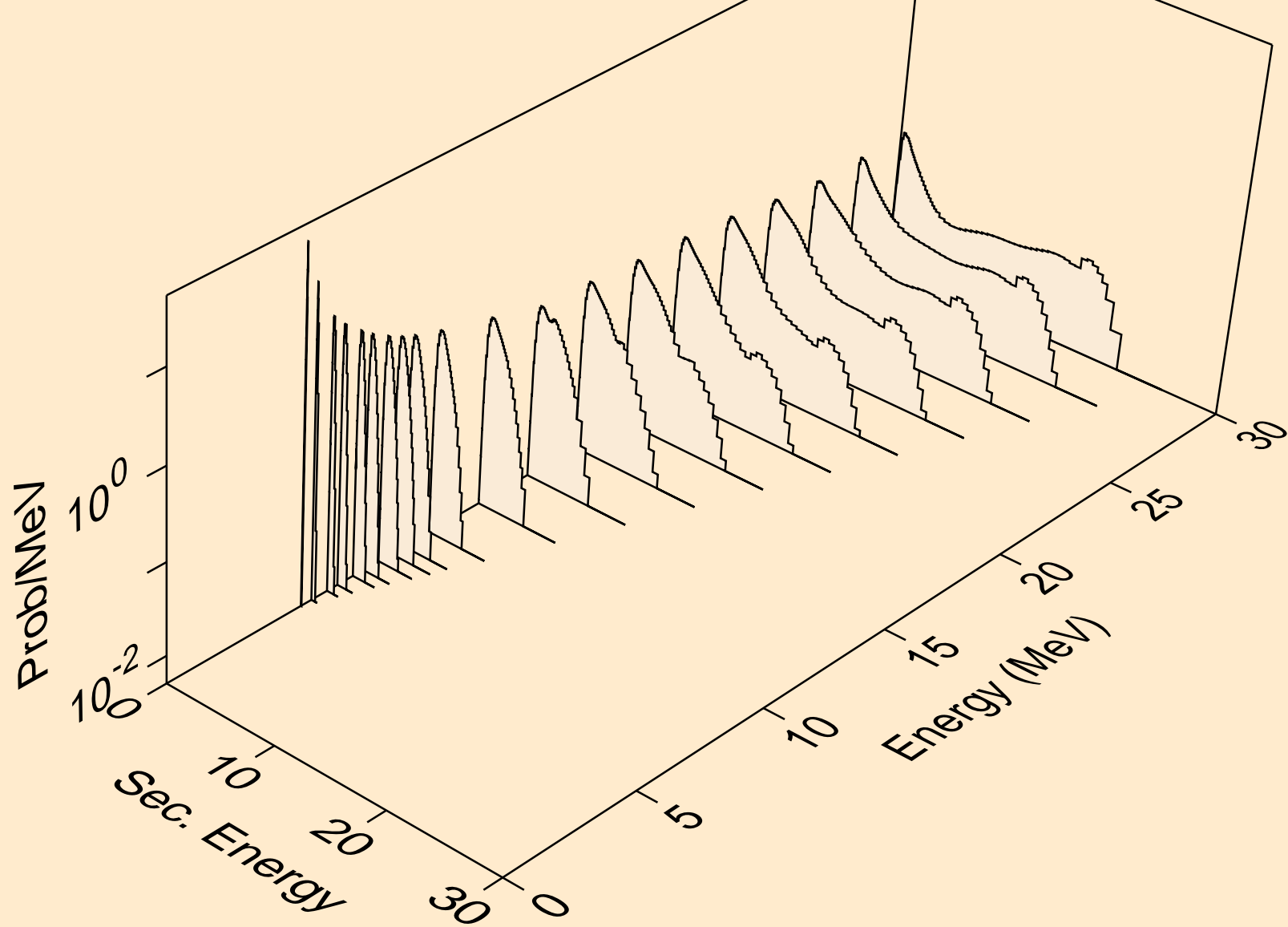




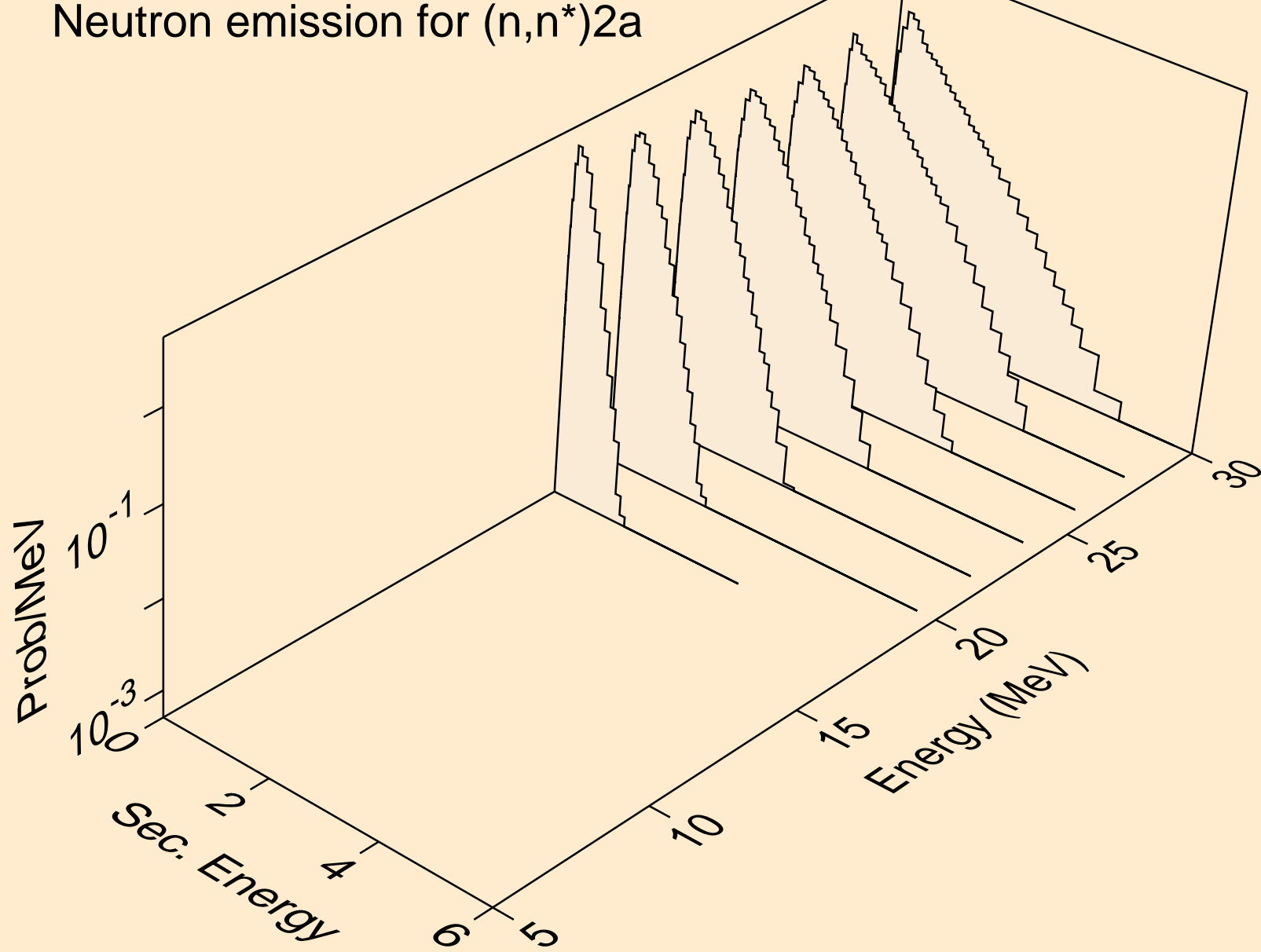
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



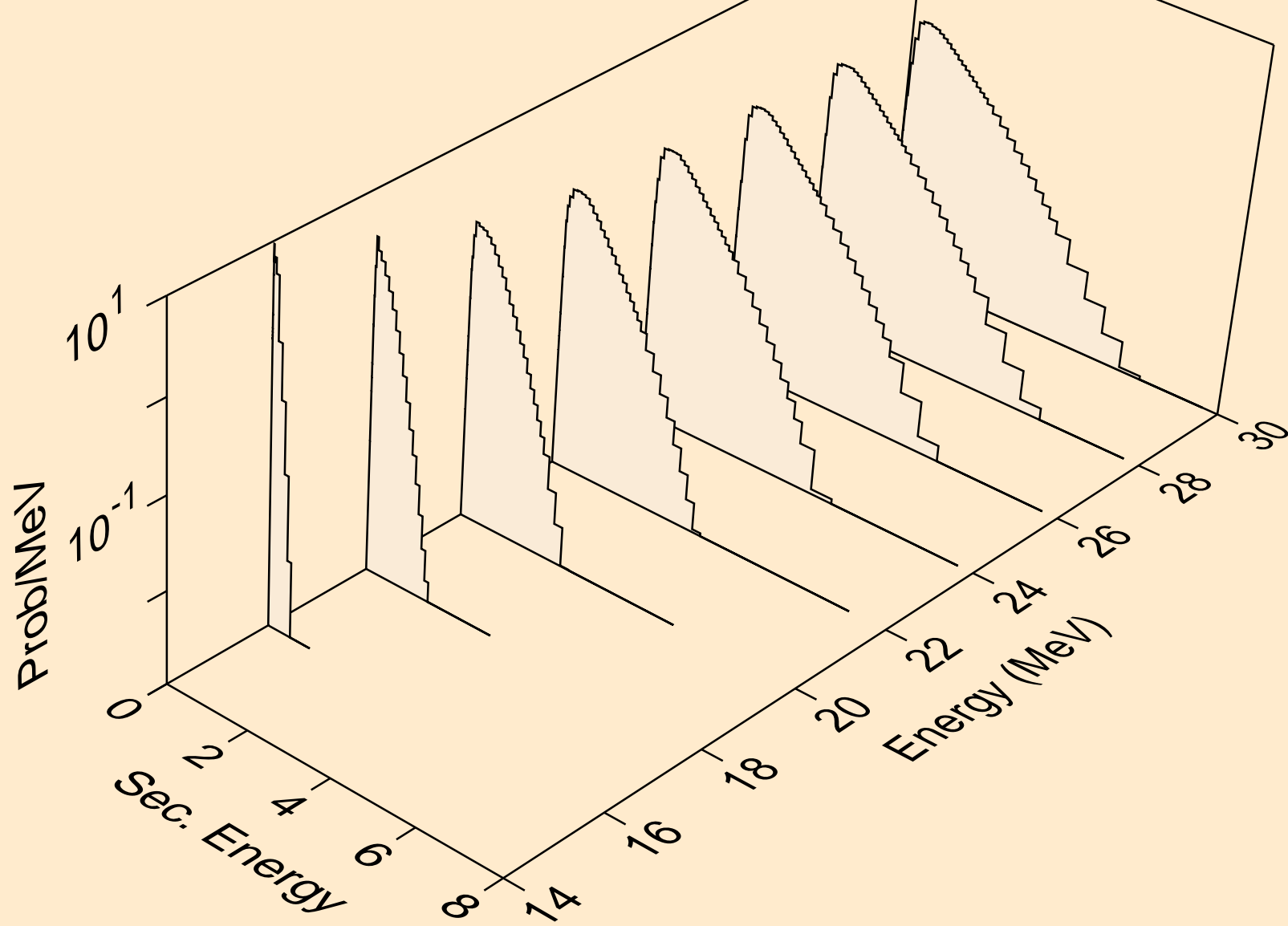
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



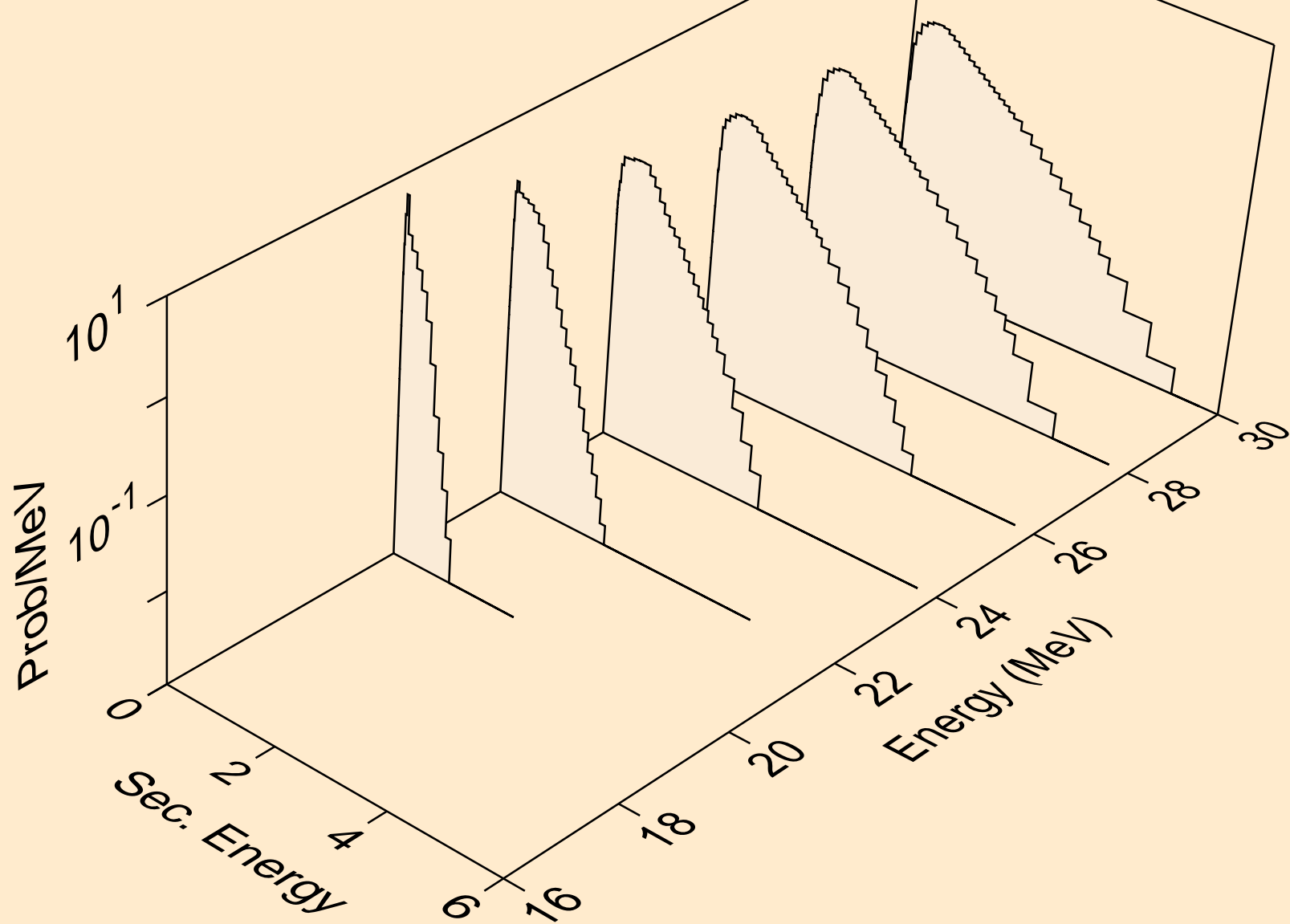
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



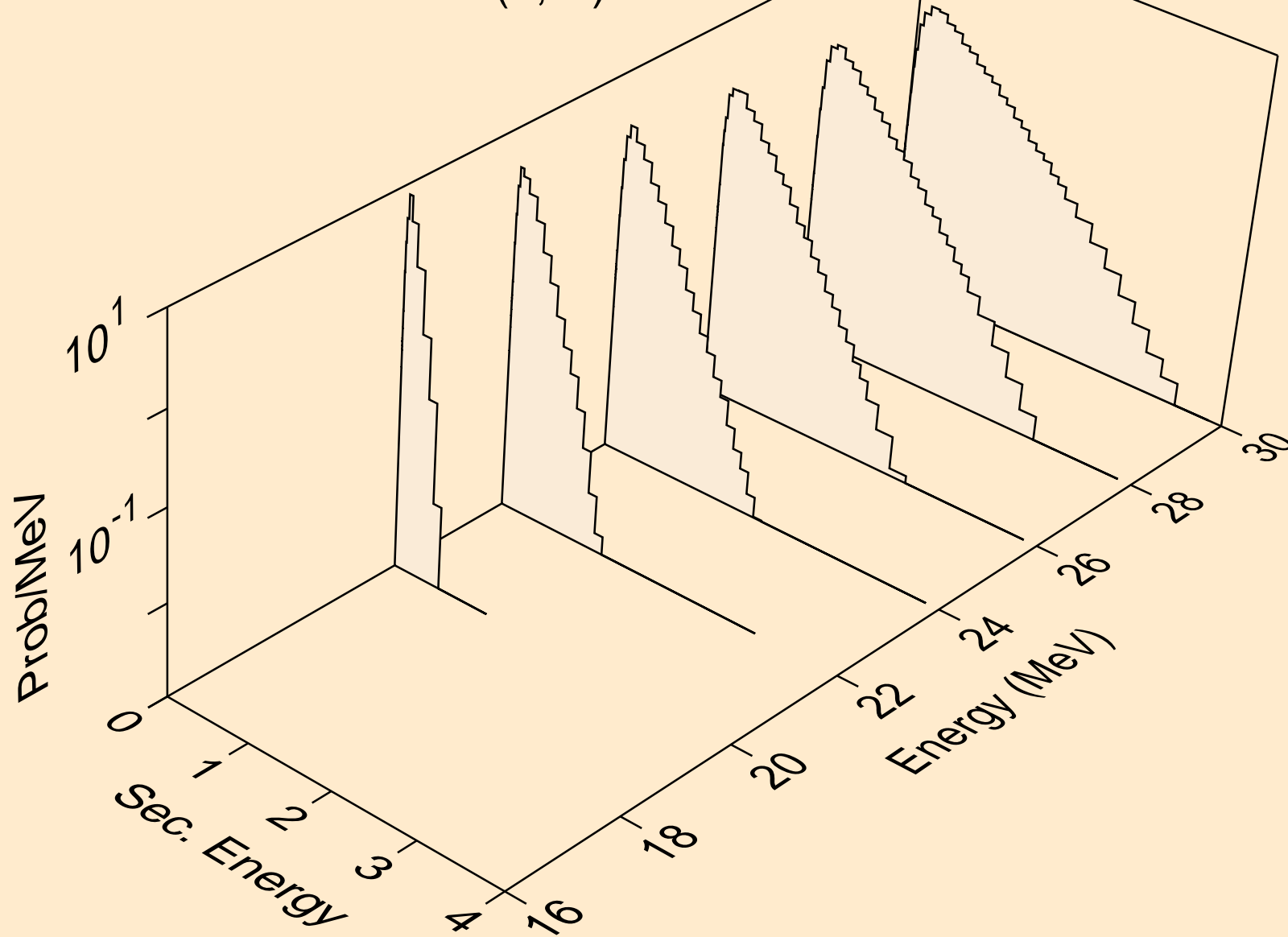
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



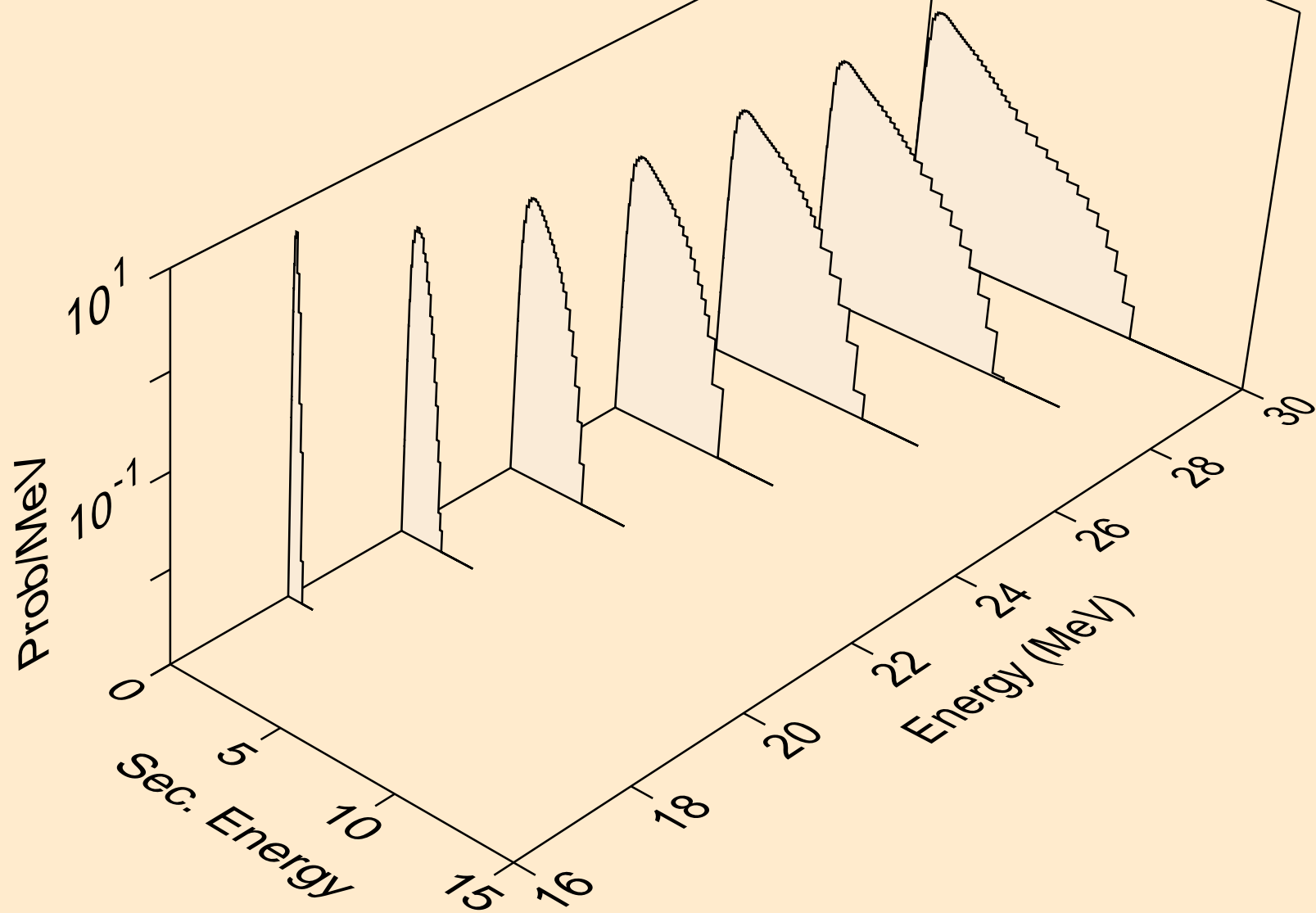
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



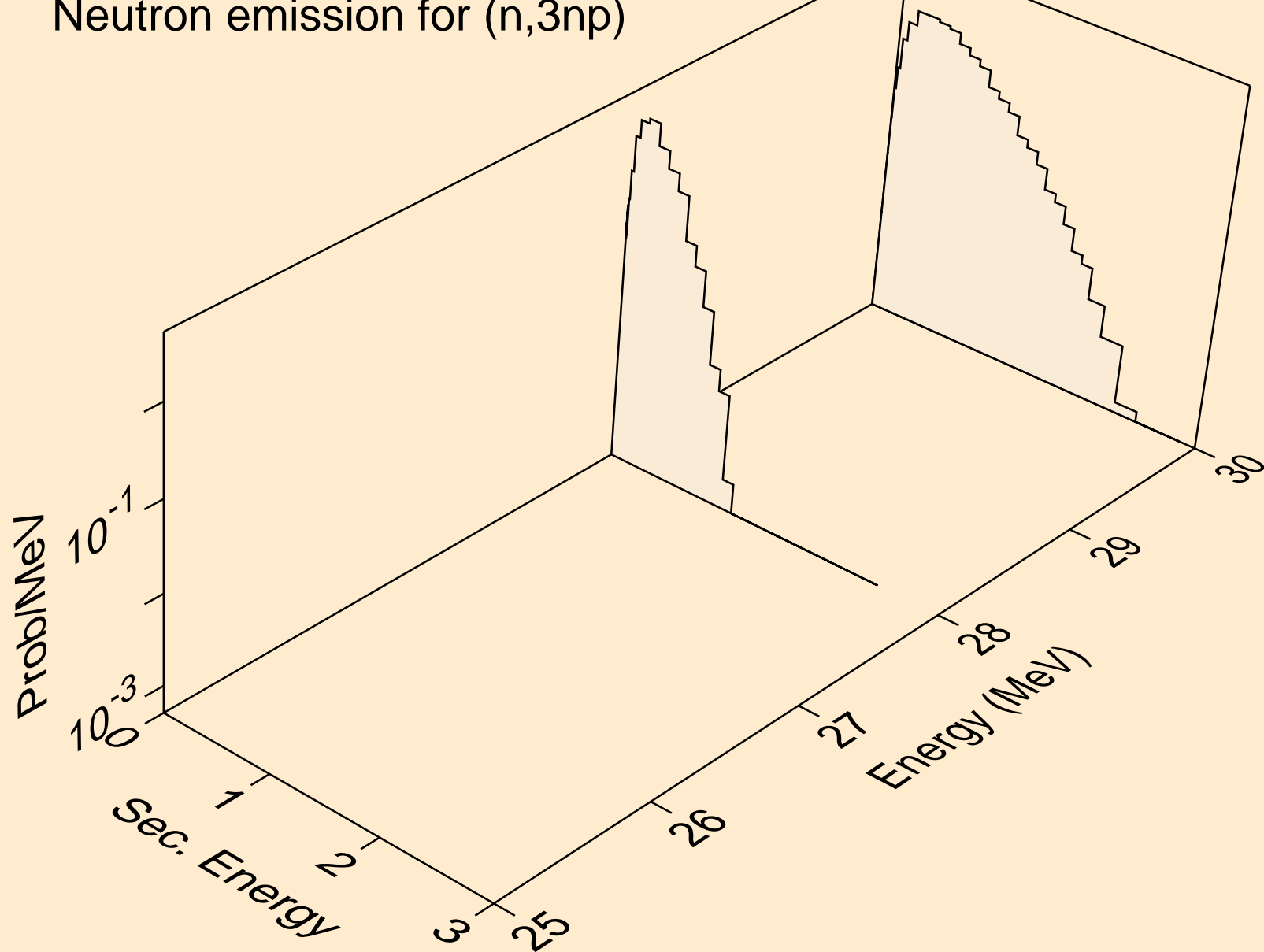
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)

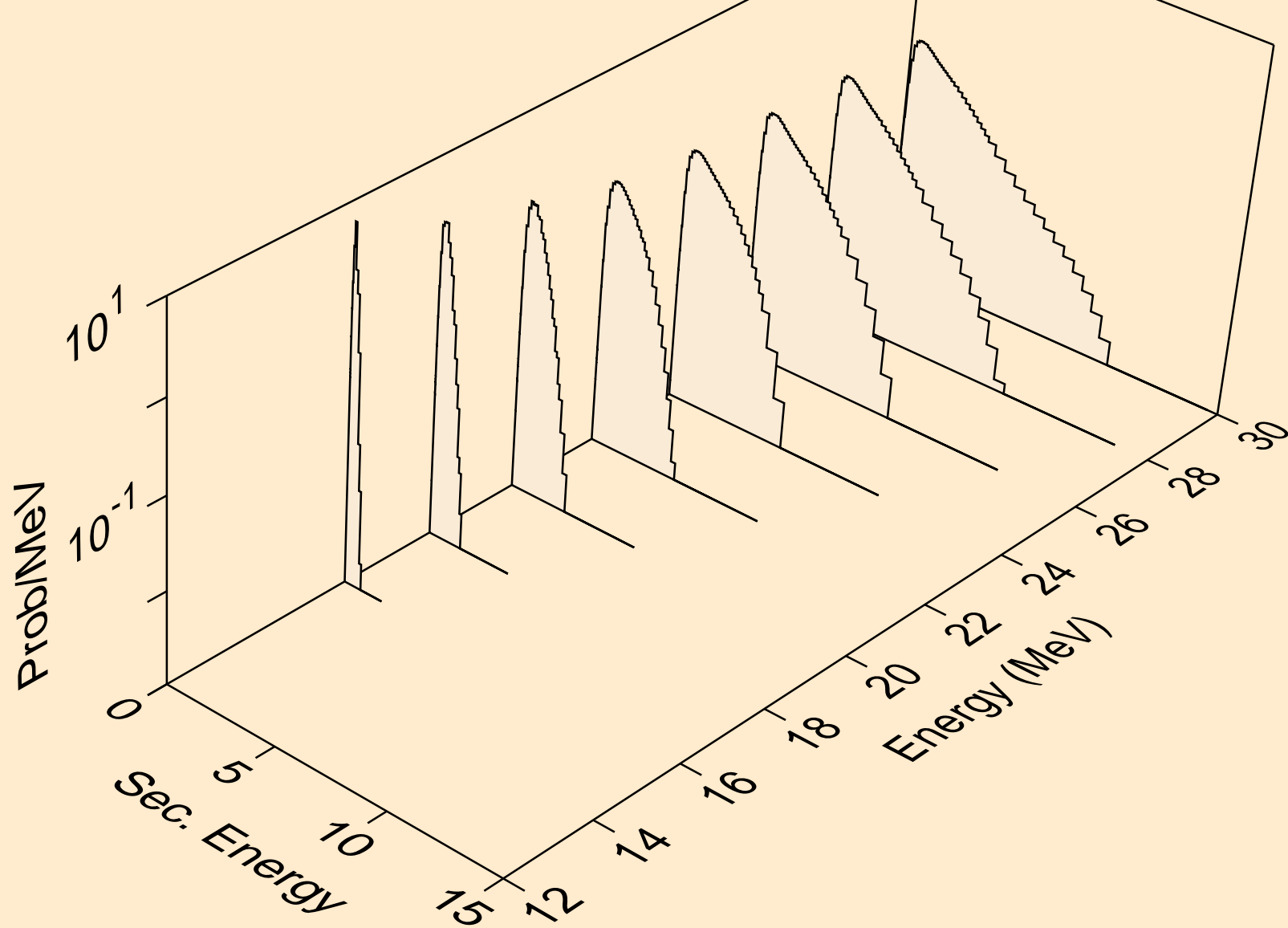


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Neutron emission for (n,3np)

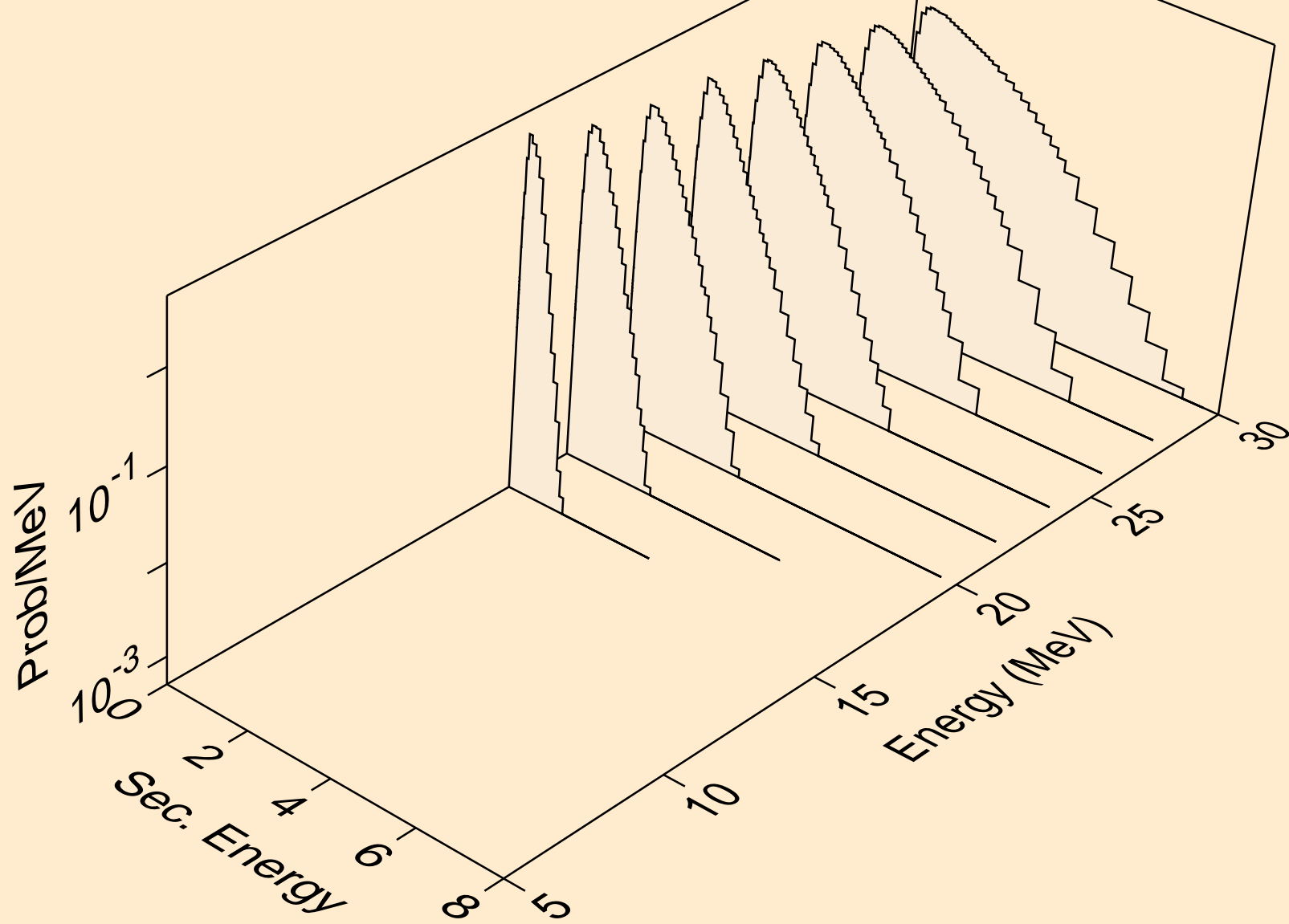




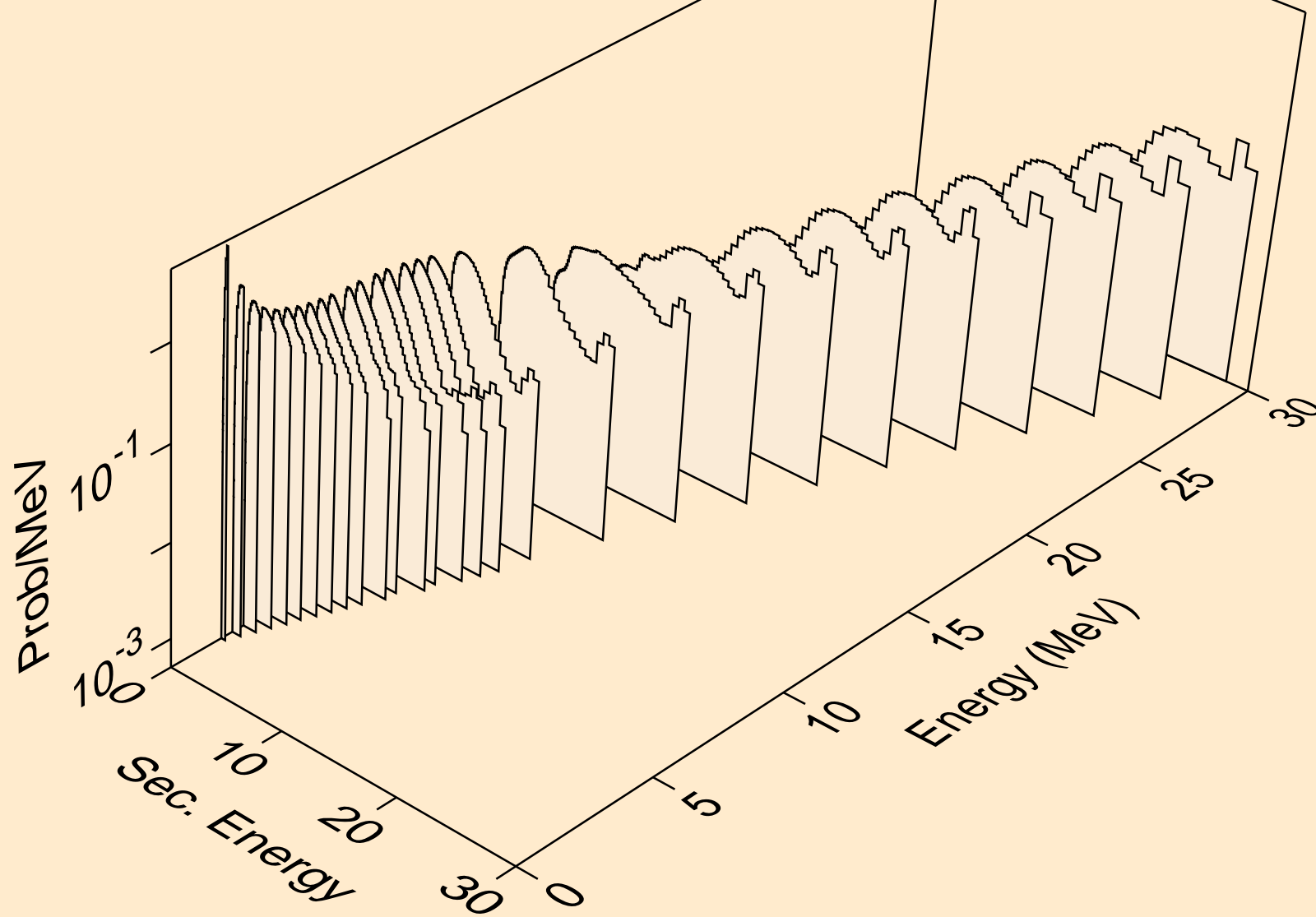
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Neutron emission for (n,n2p)



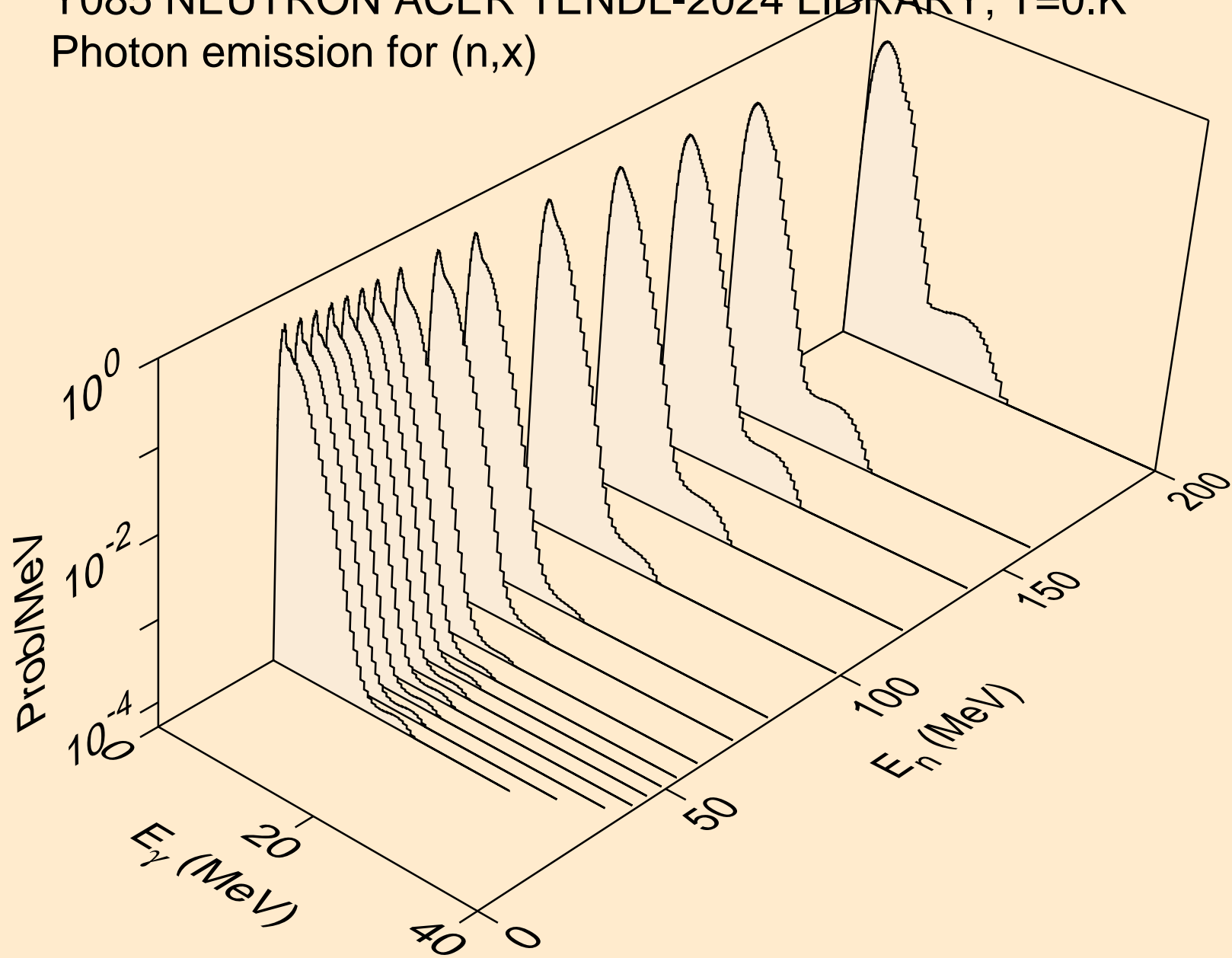
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Neutron emission for (n,npa)



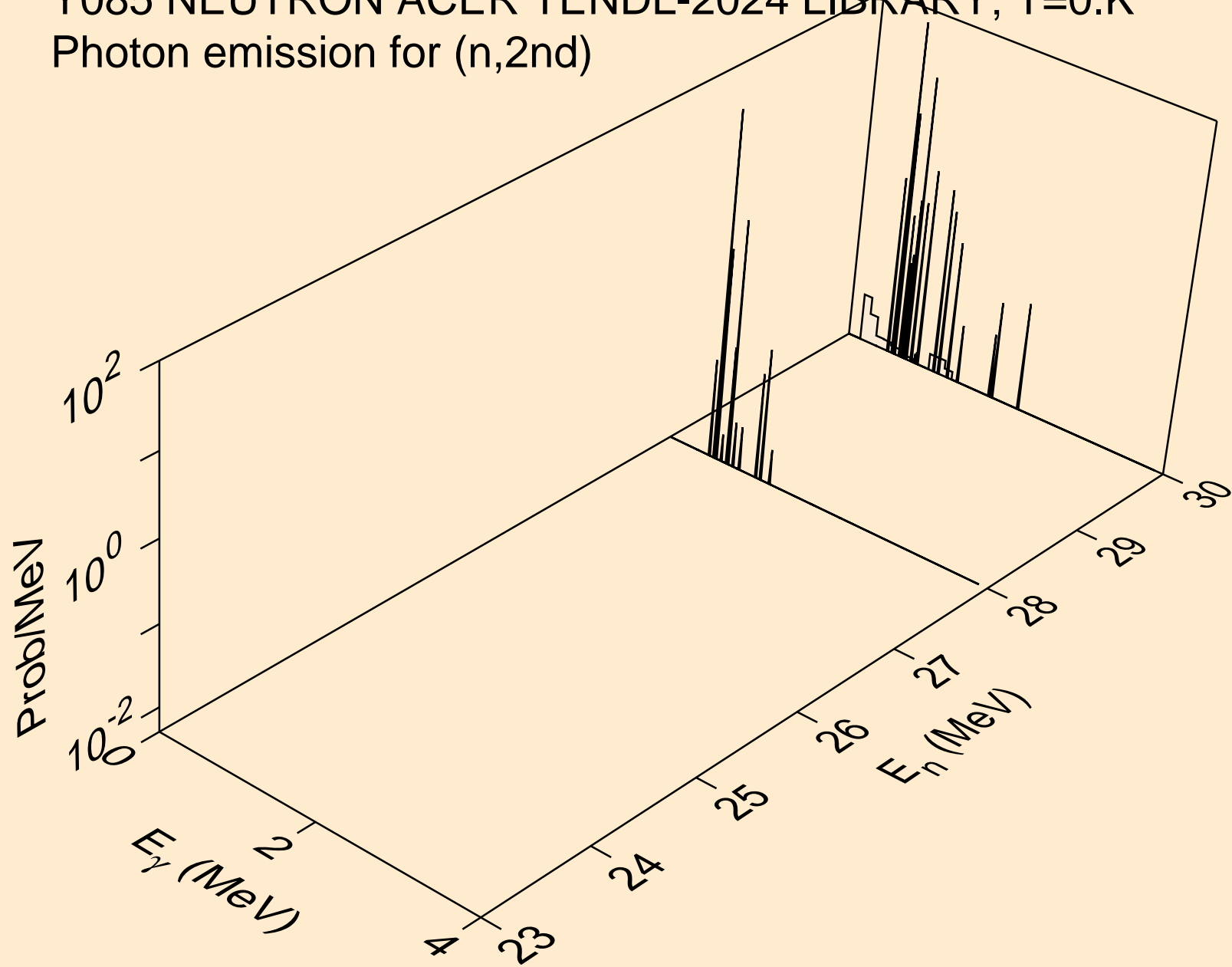
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Neutron emission for (n,n\*c)



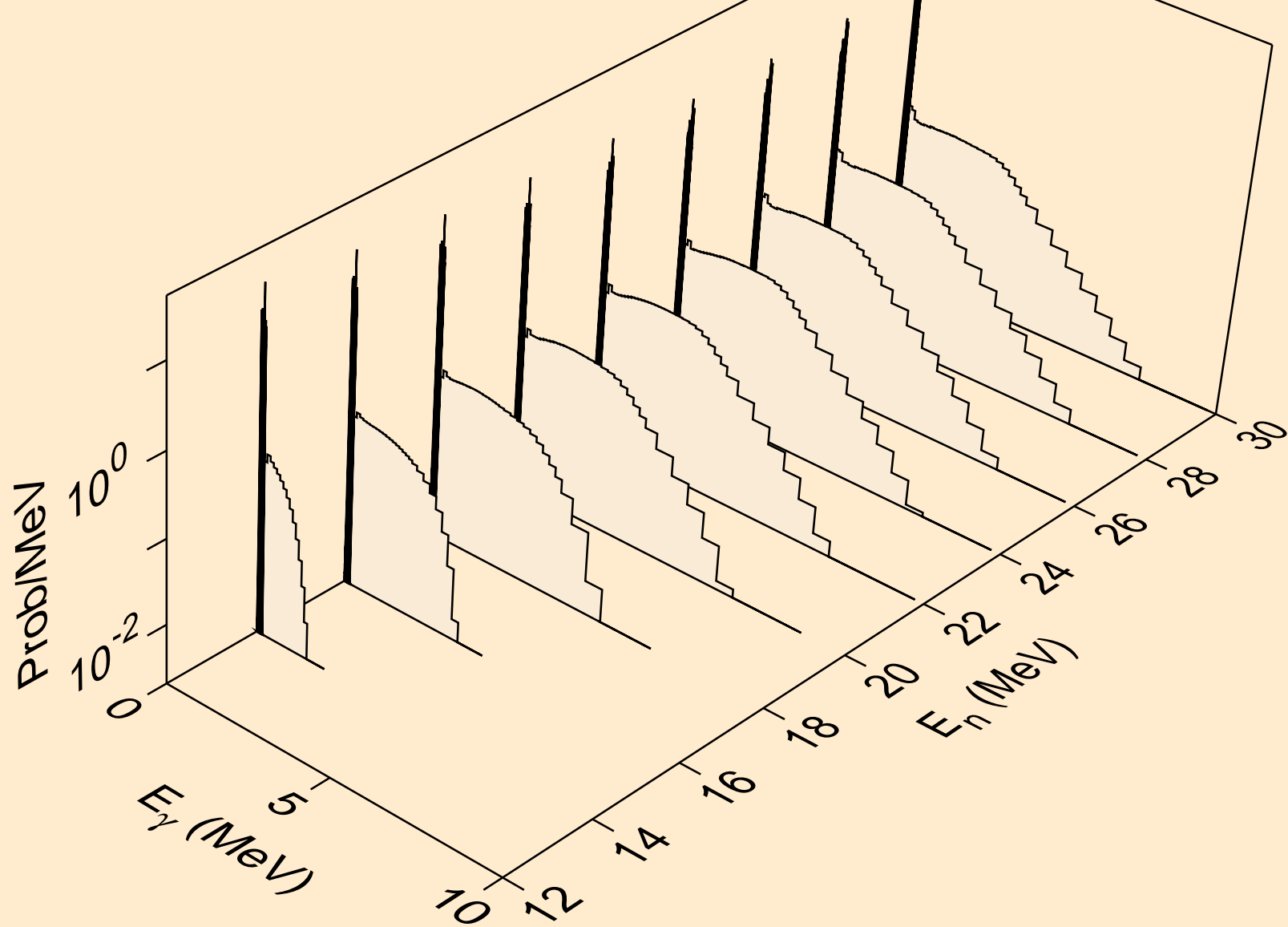
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



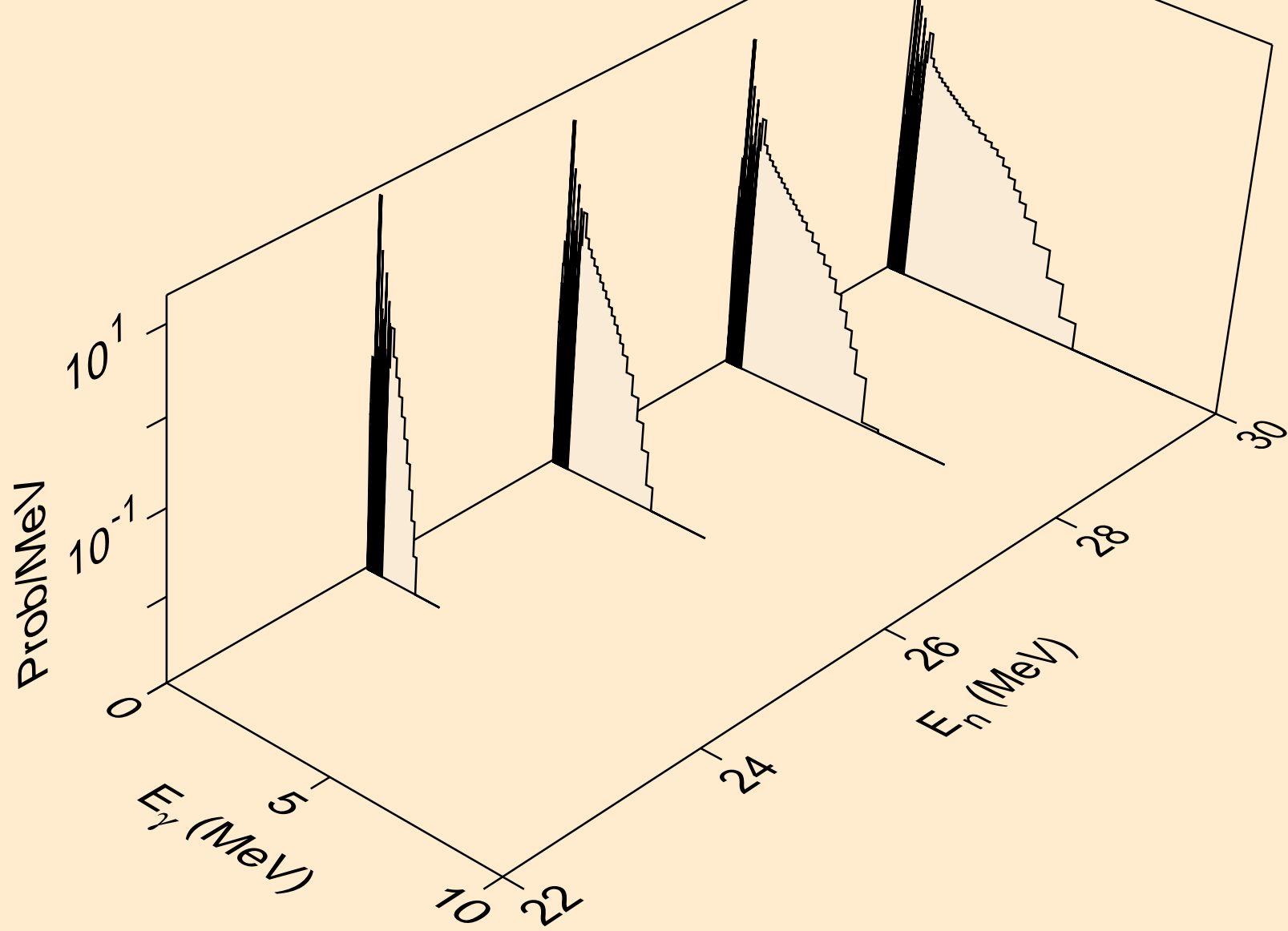
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Photon emission for (n,2nd)



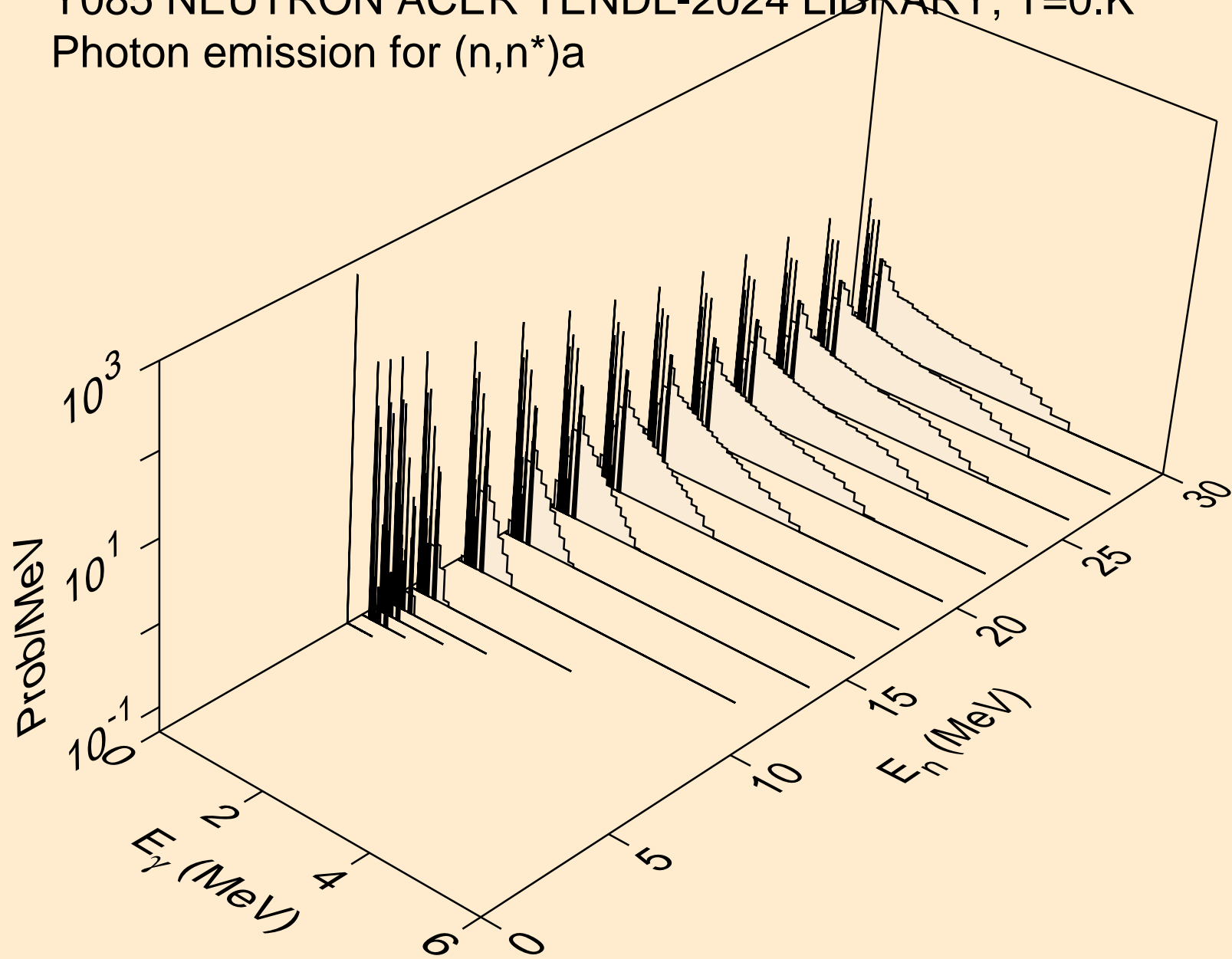
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)

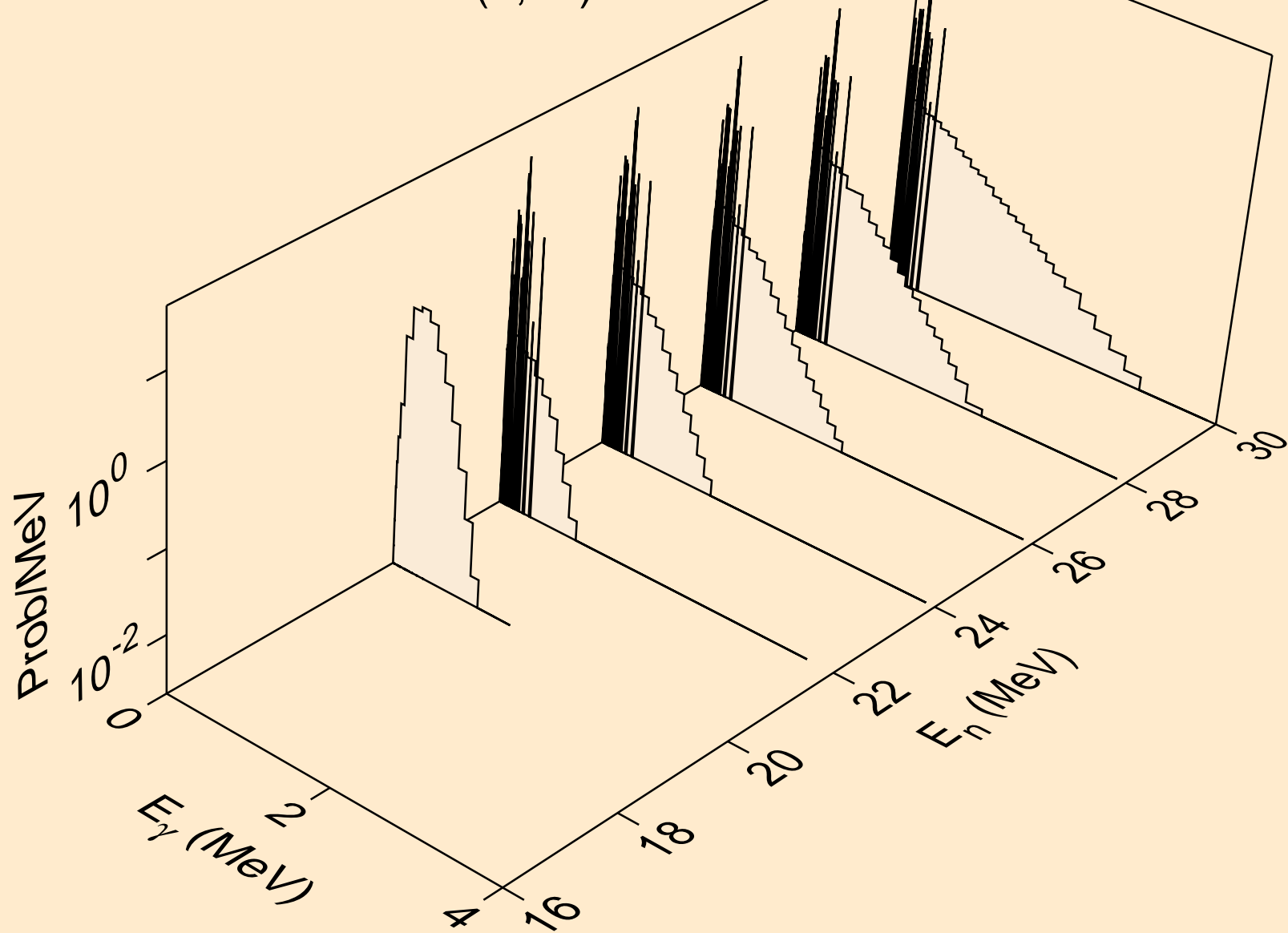


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Photon emission for (n,n\*)a

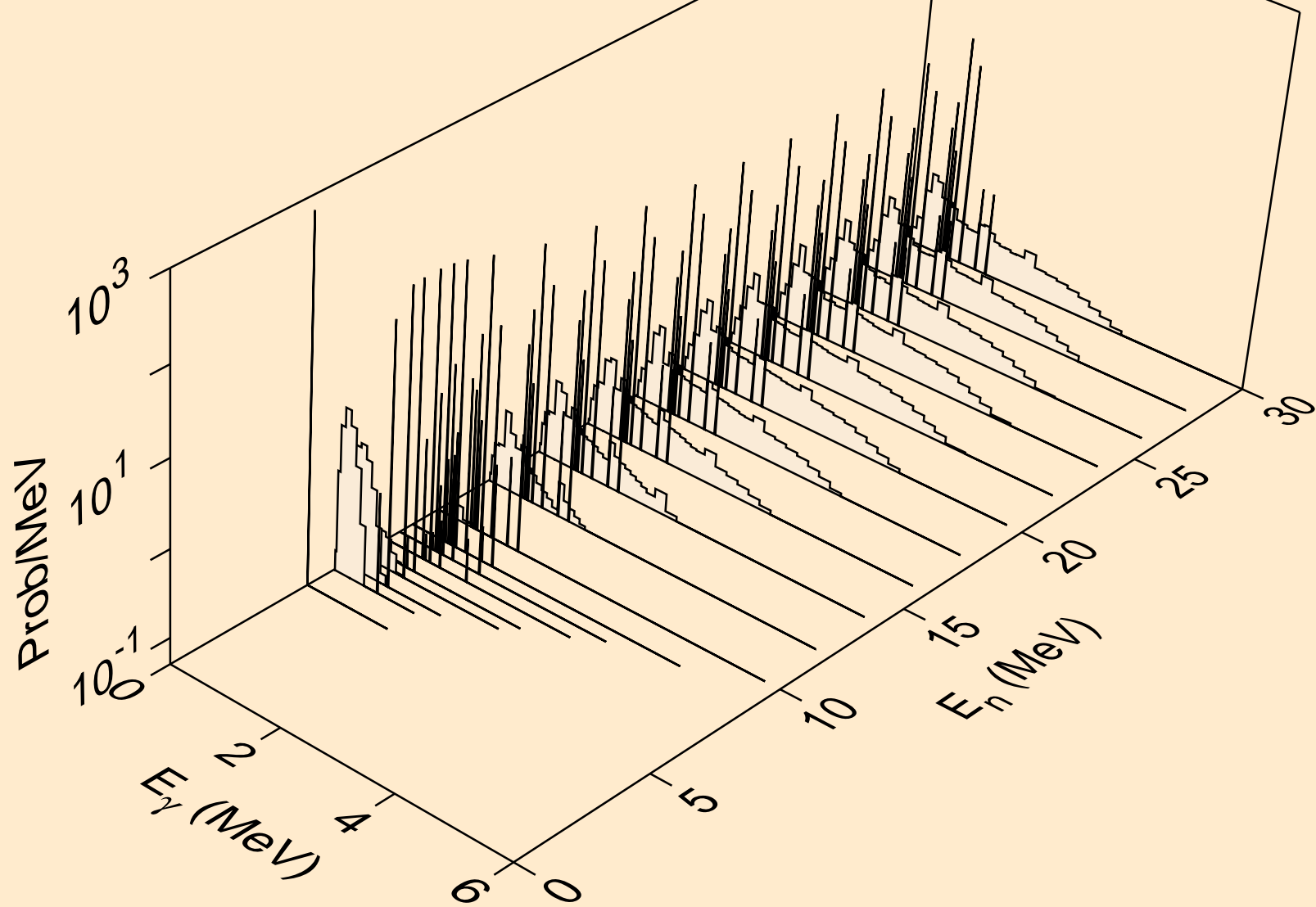




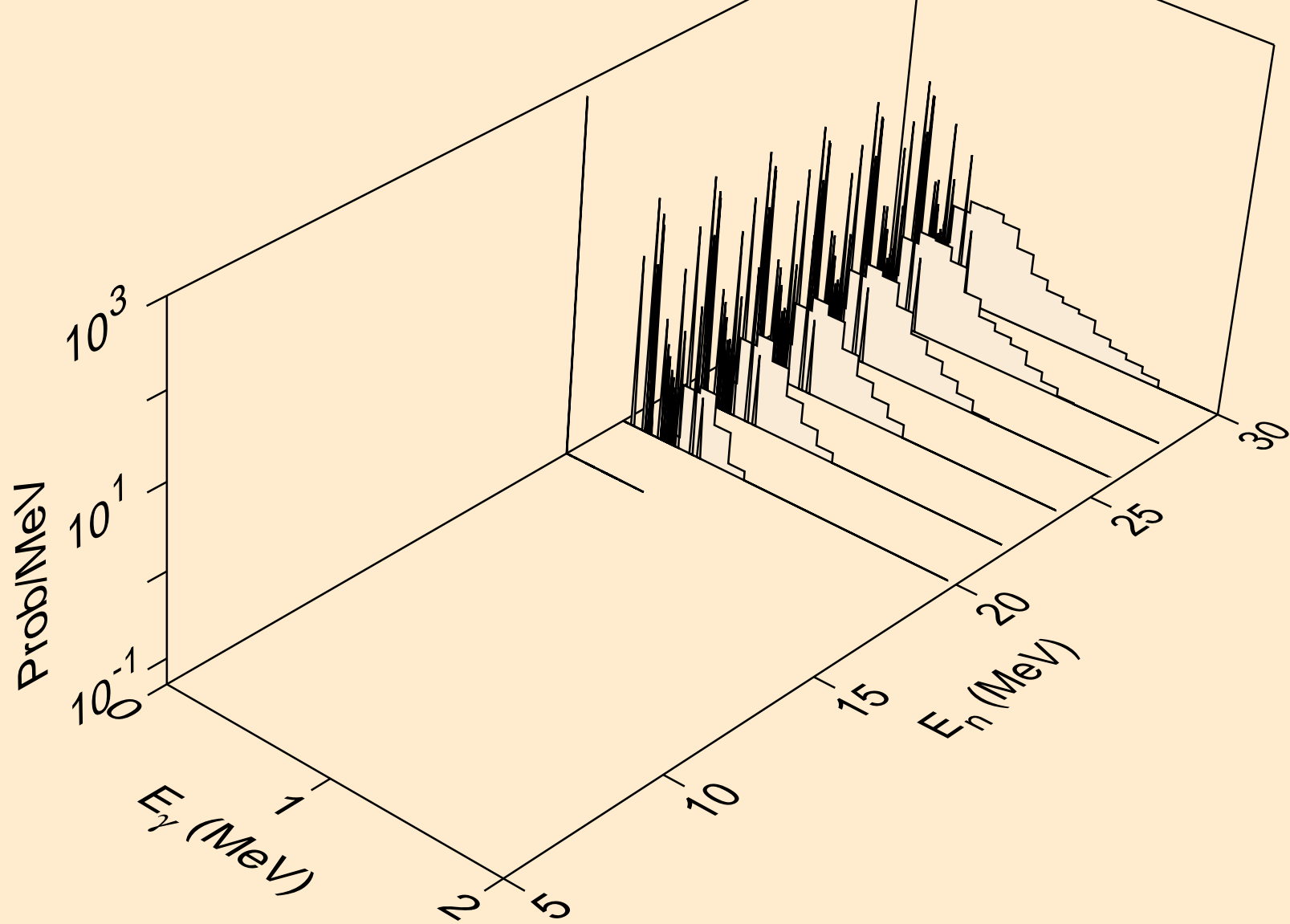
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Photon emission for (n,2n)a



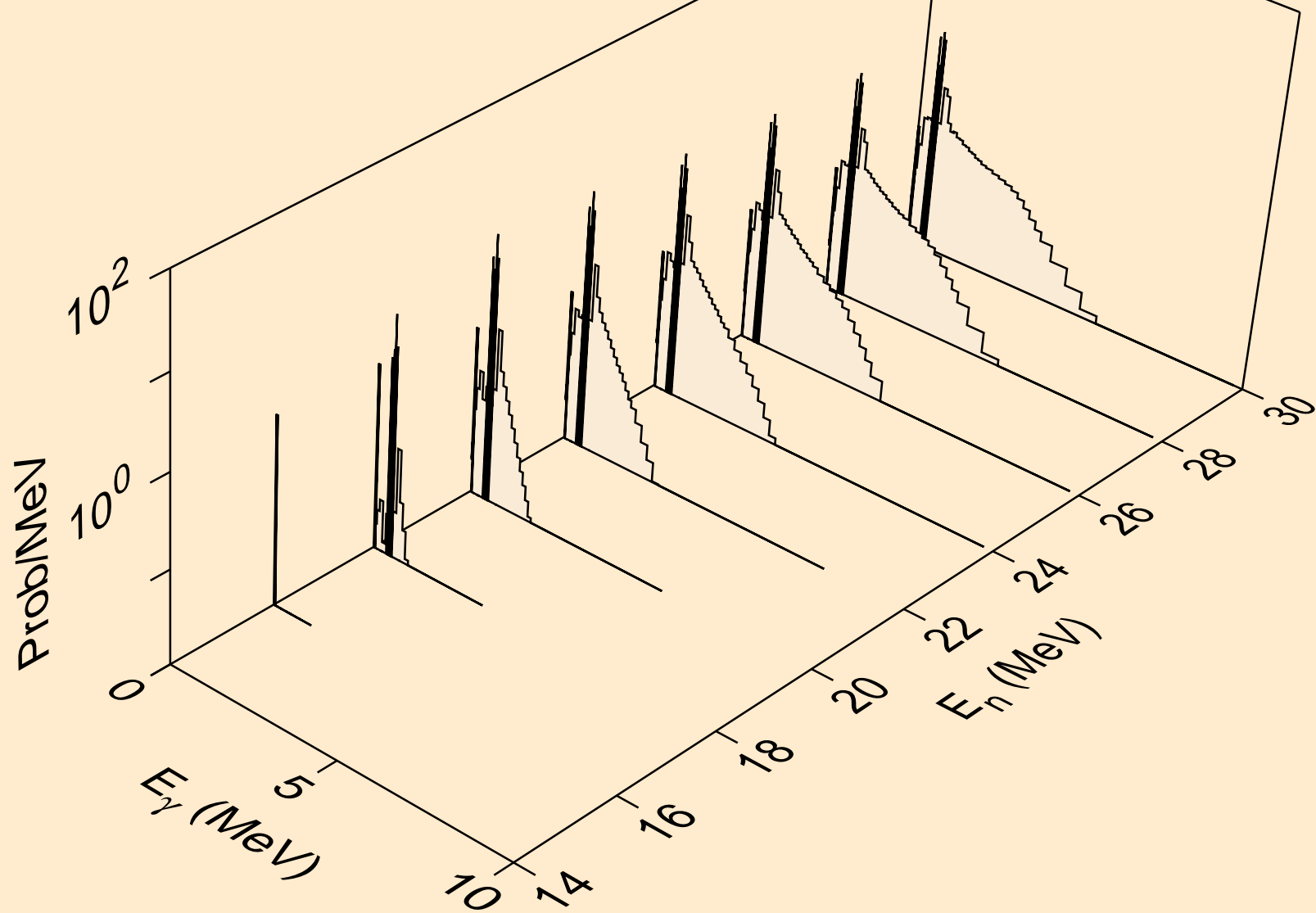
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Photon emission for (n,n\*)p



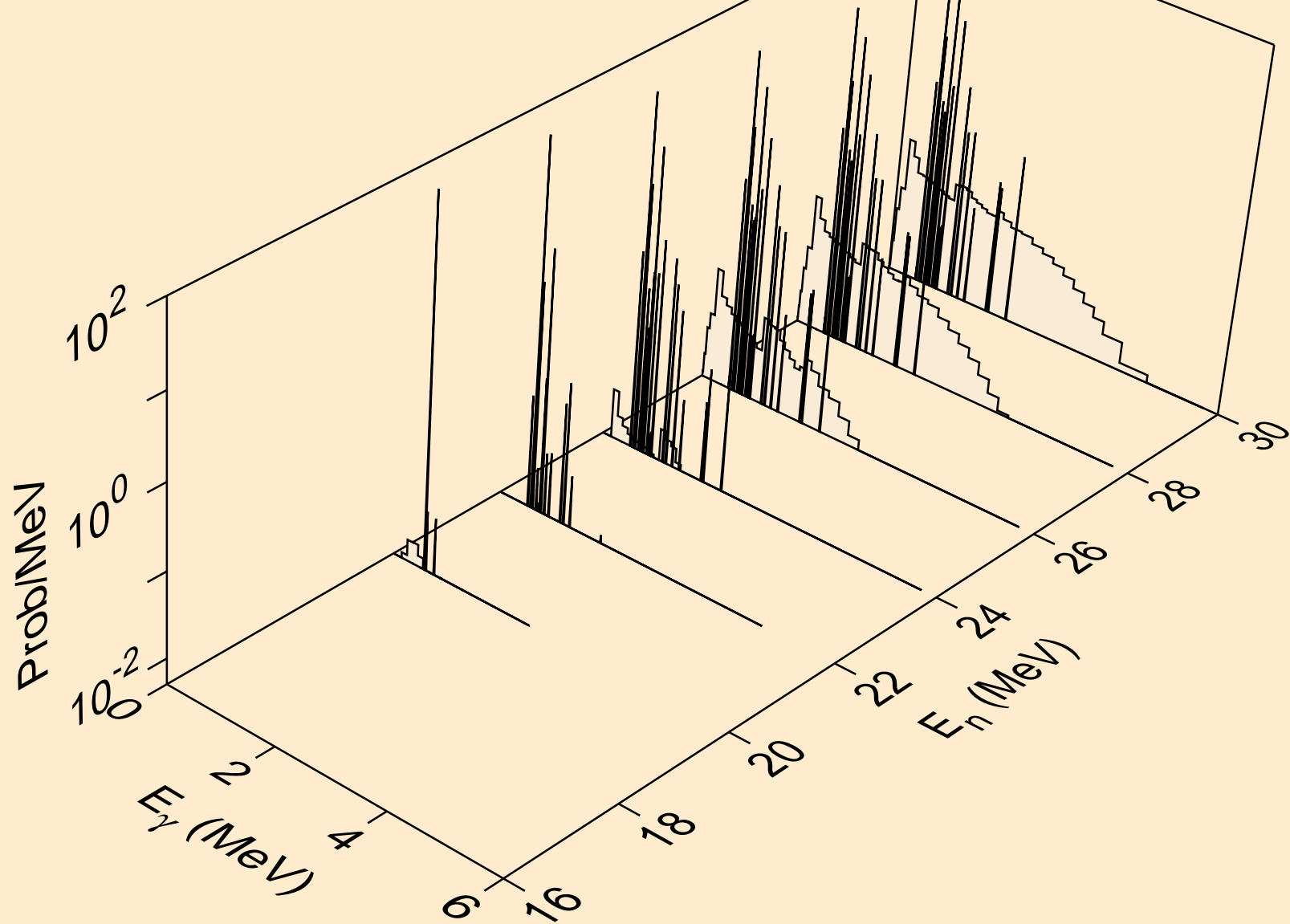
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Photon emission for (n,n\*)2a



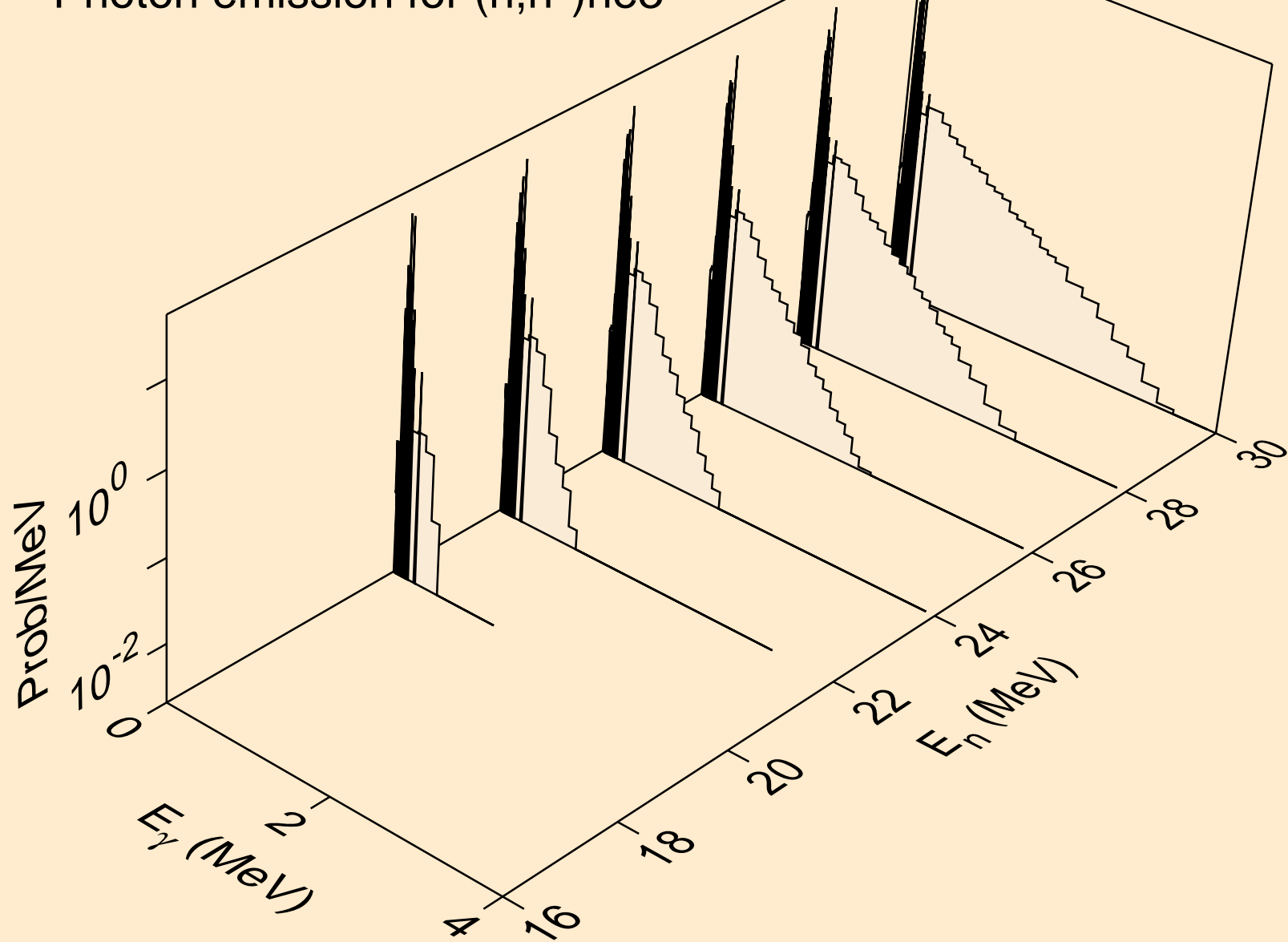
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Photon emission for (n,n\*)d



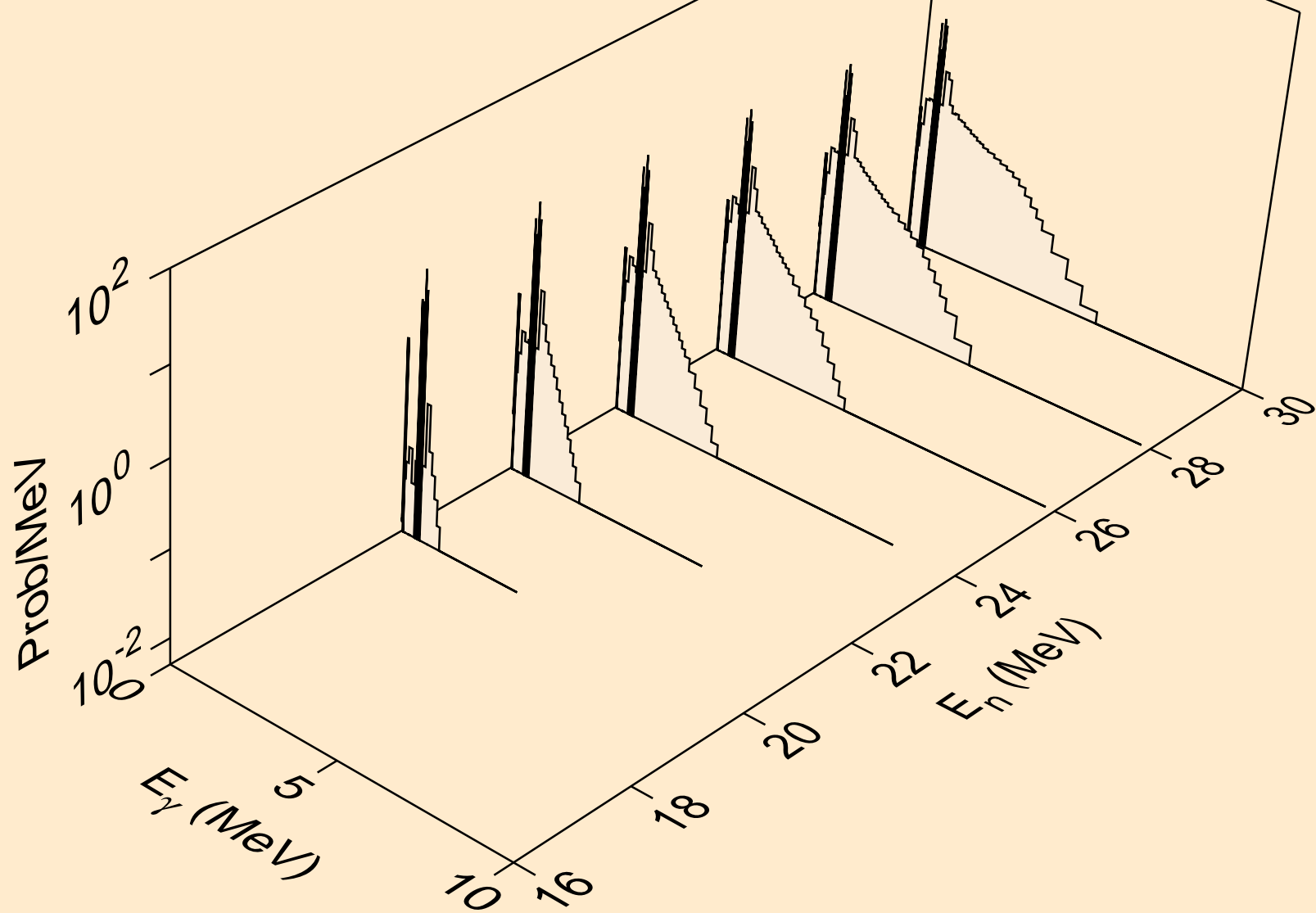
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Photon emission for (n,n\*)t



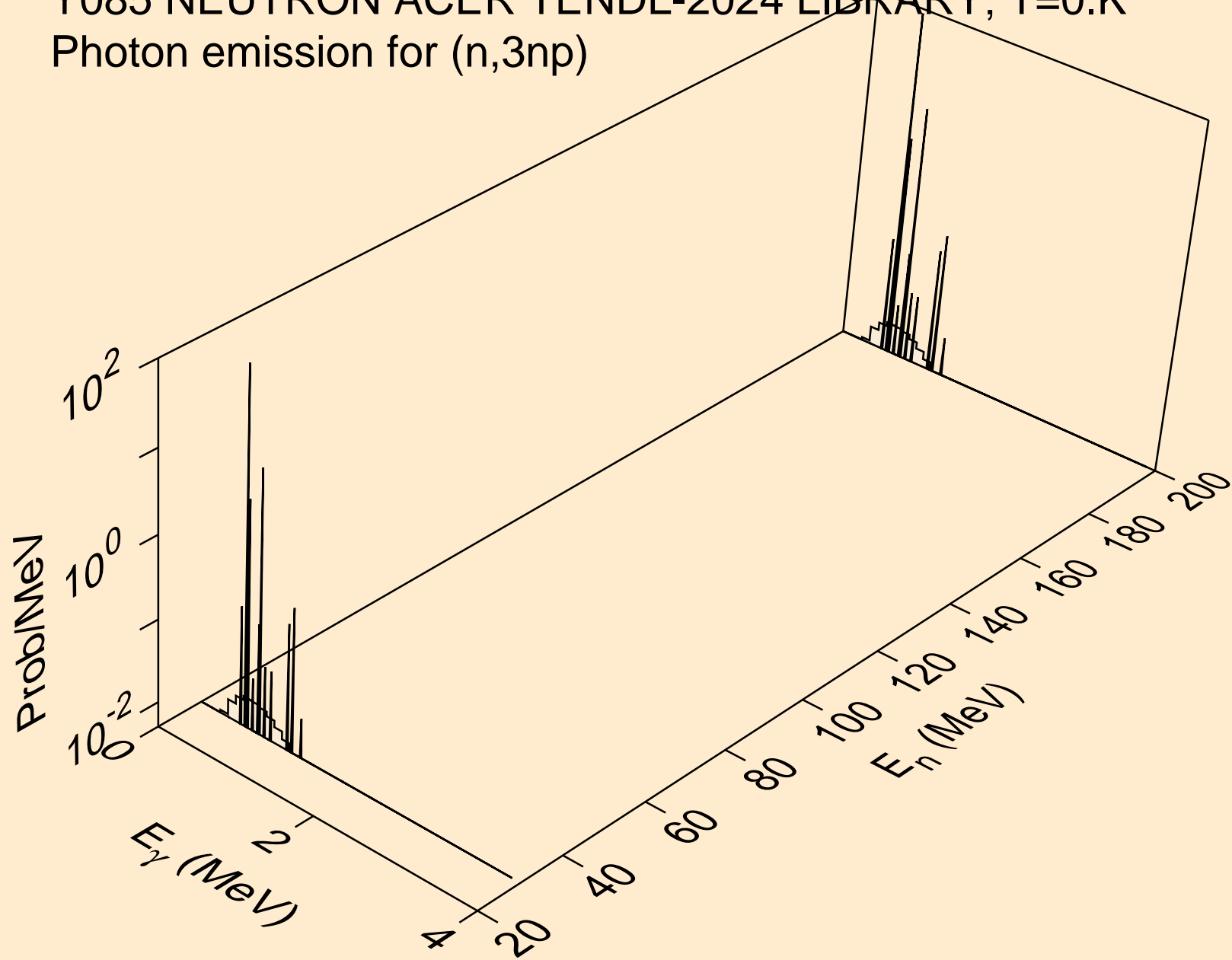
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)

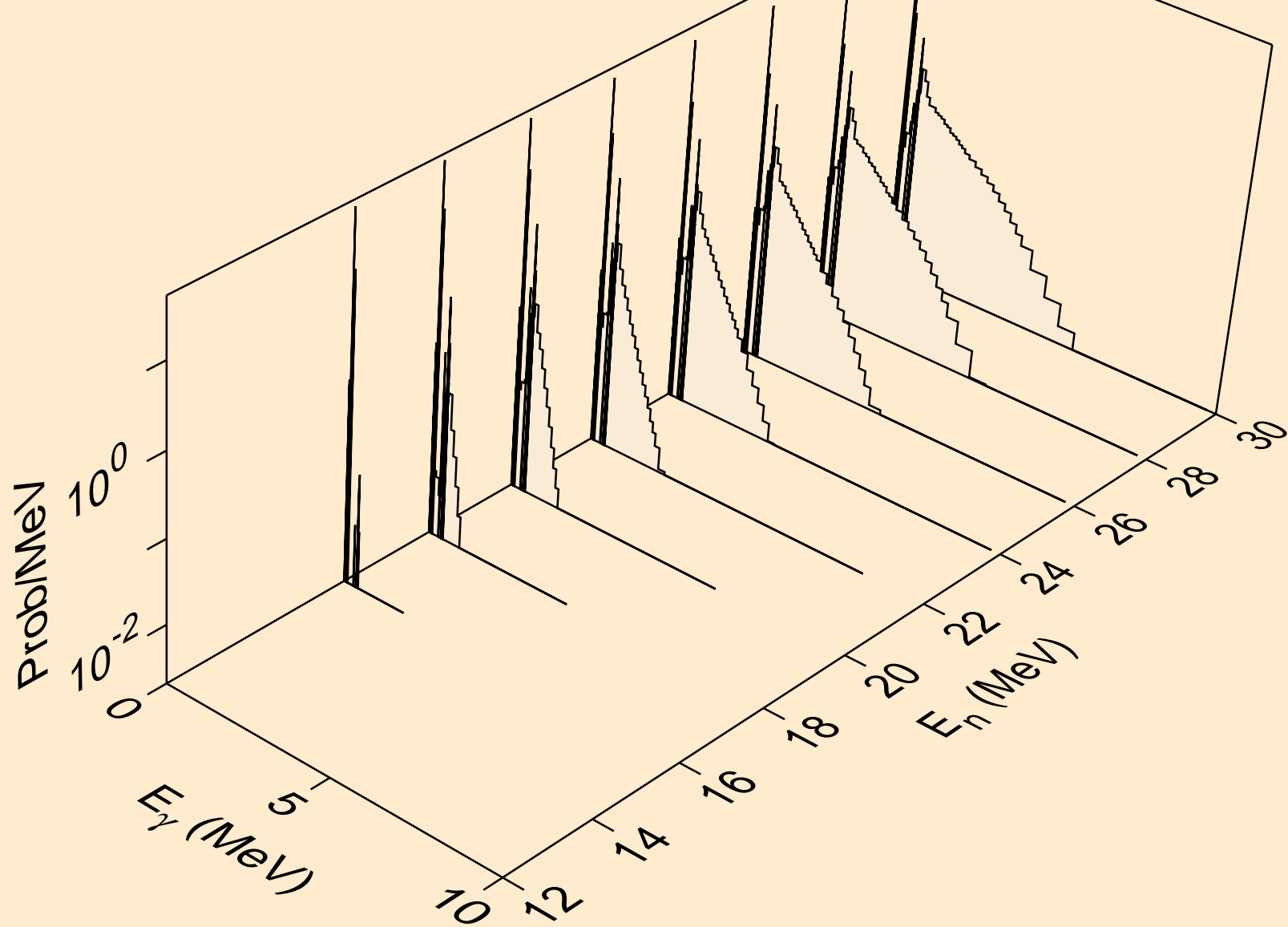


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Photon emission for (n,3np)

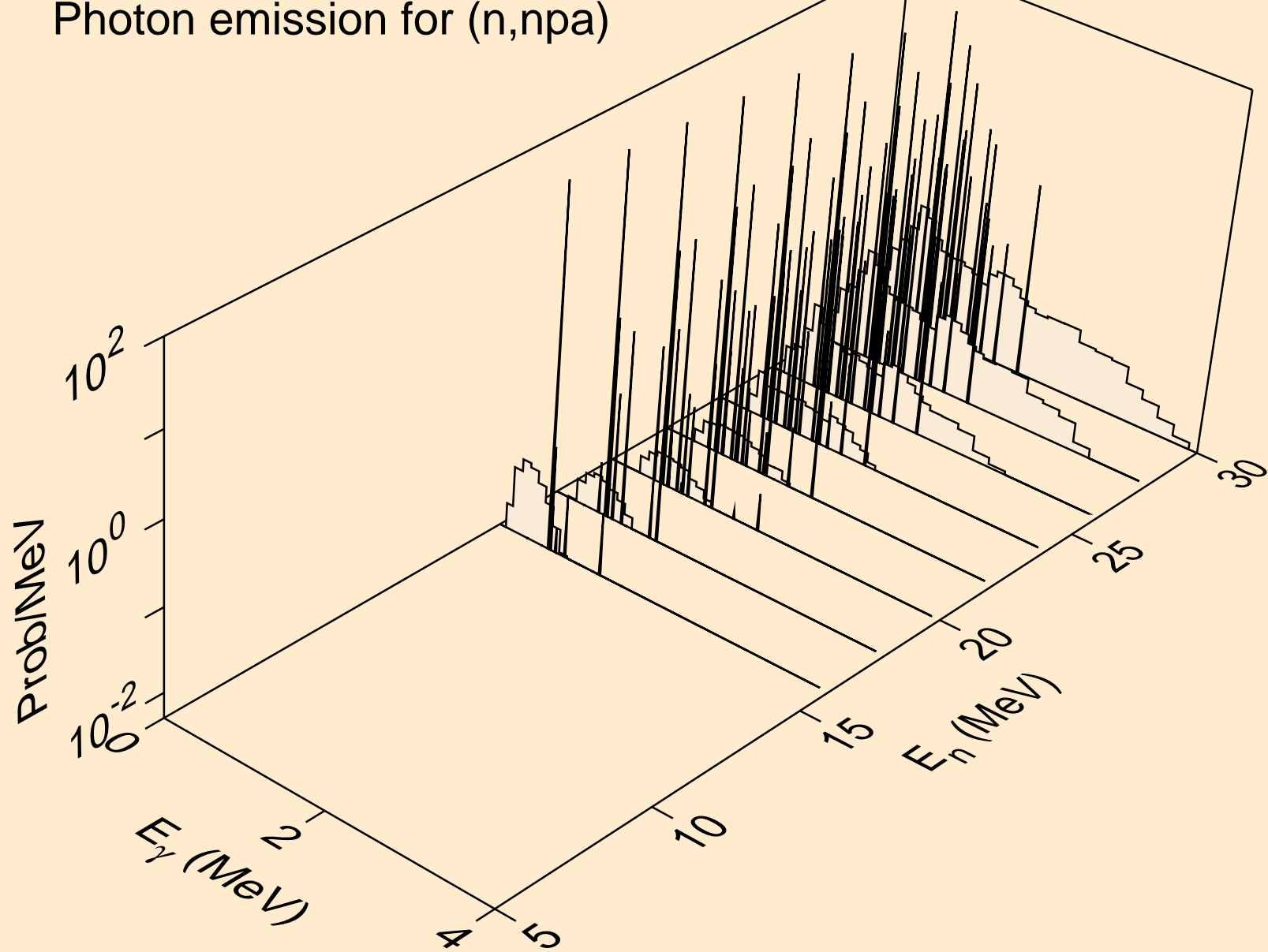




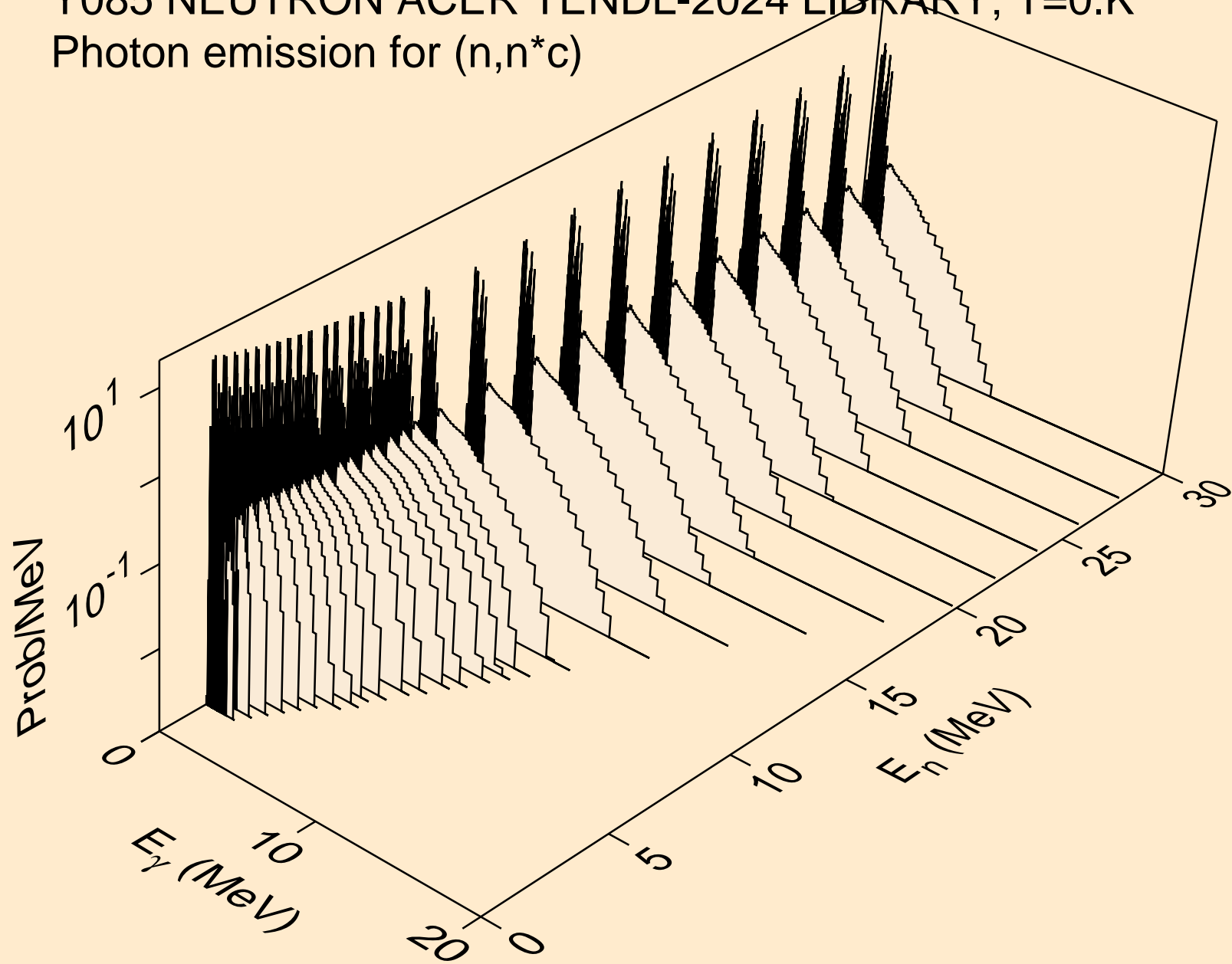
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Photon emission for (n,n2p)



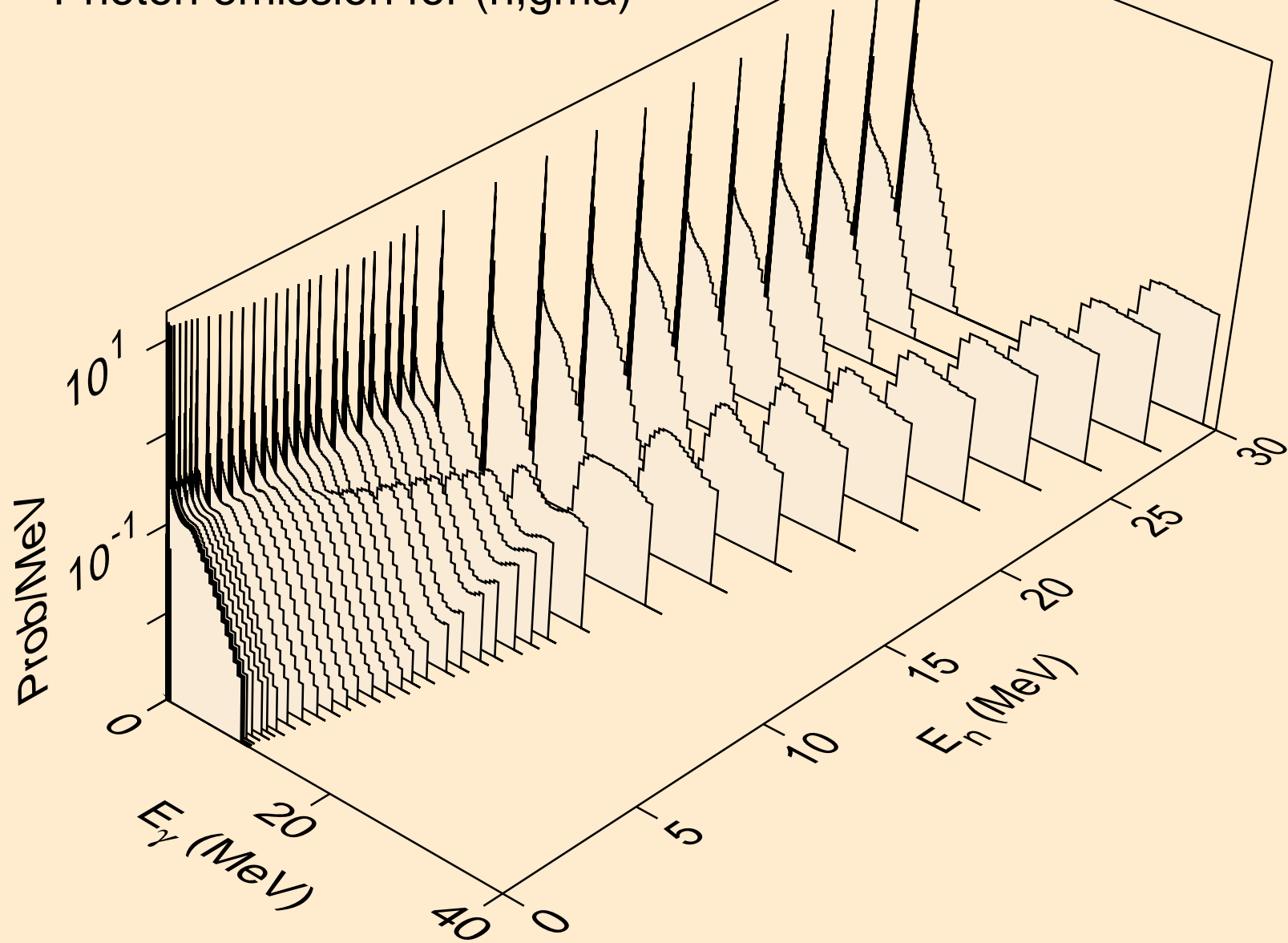
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Photon emission for (n,npa)



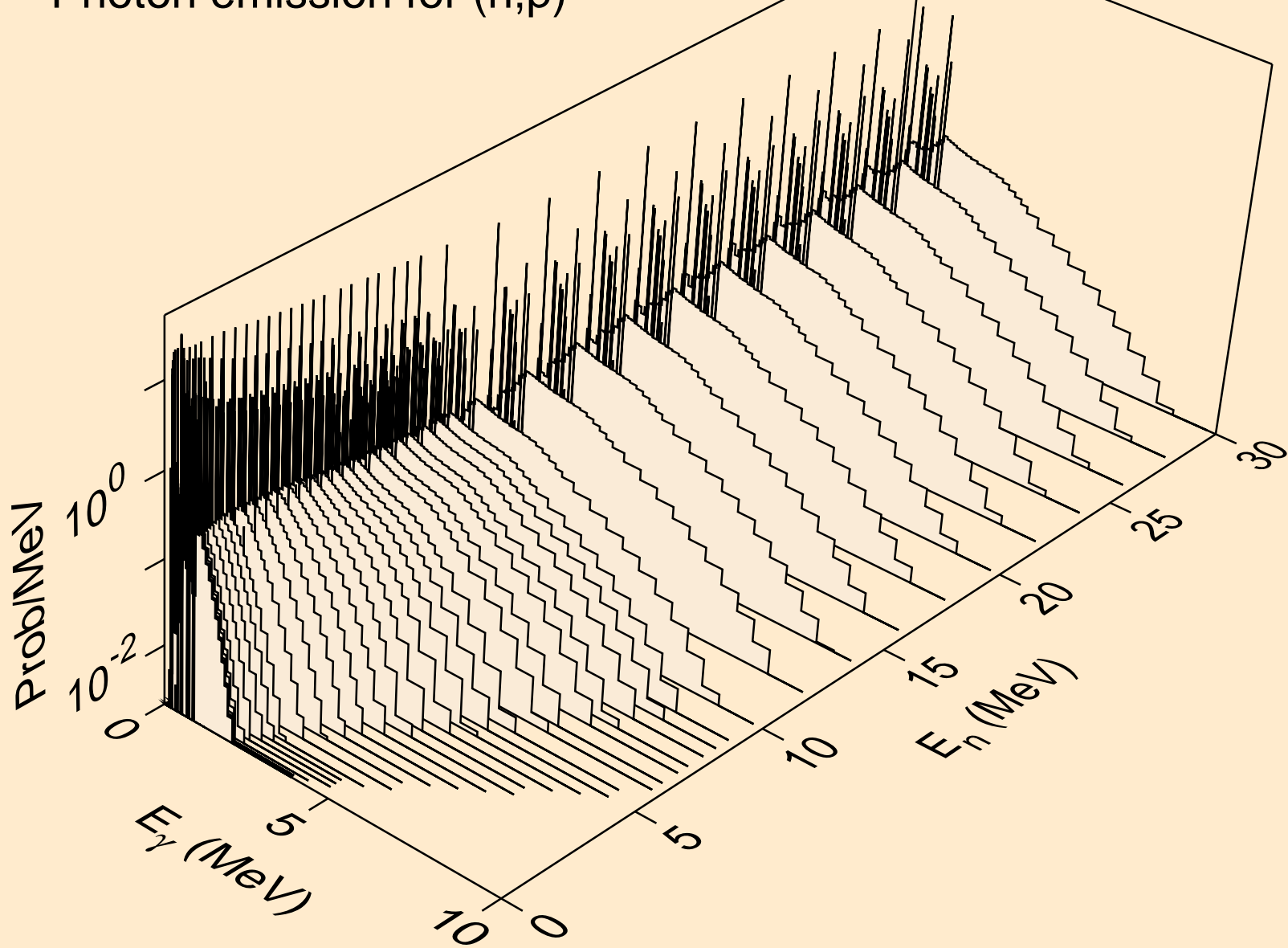
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Photon emission for (n,n\*c)



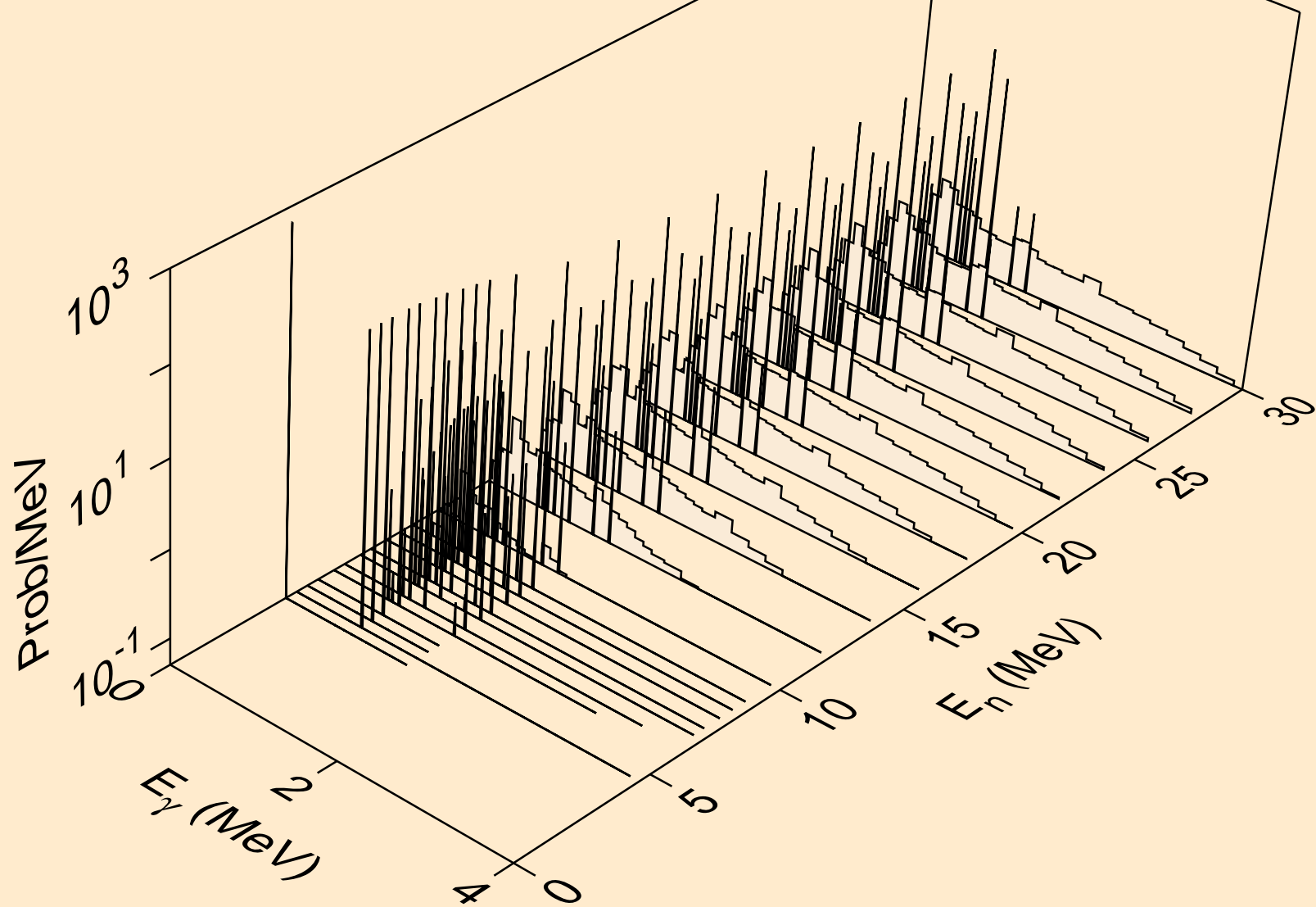
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Photon emission for (n,gma)



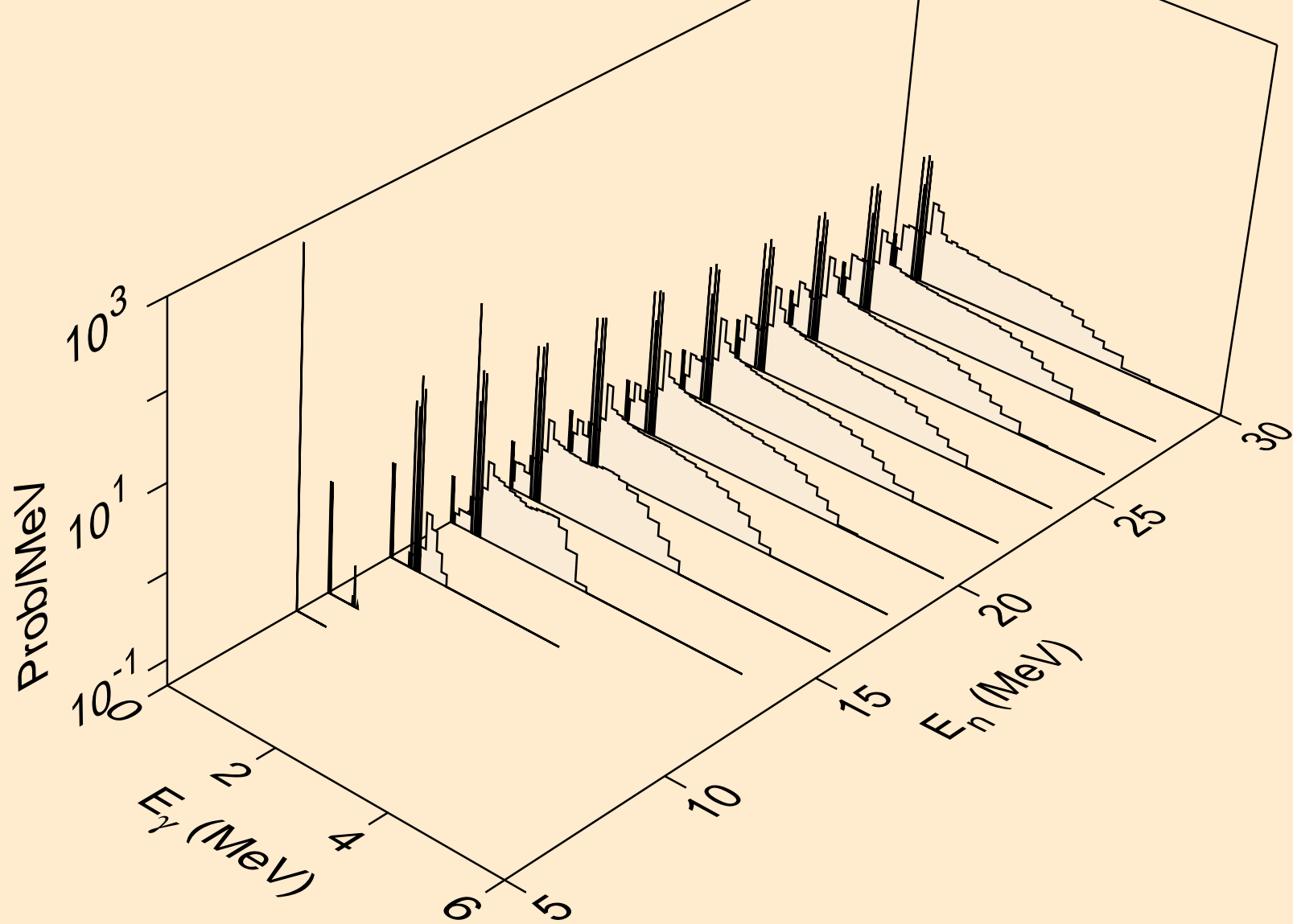
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Photon emission for (n,p)



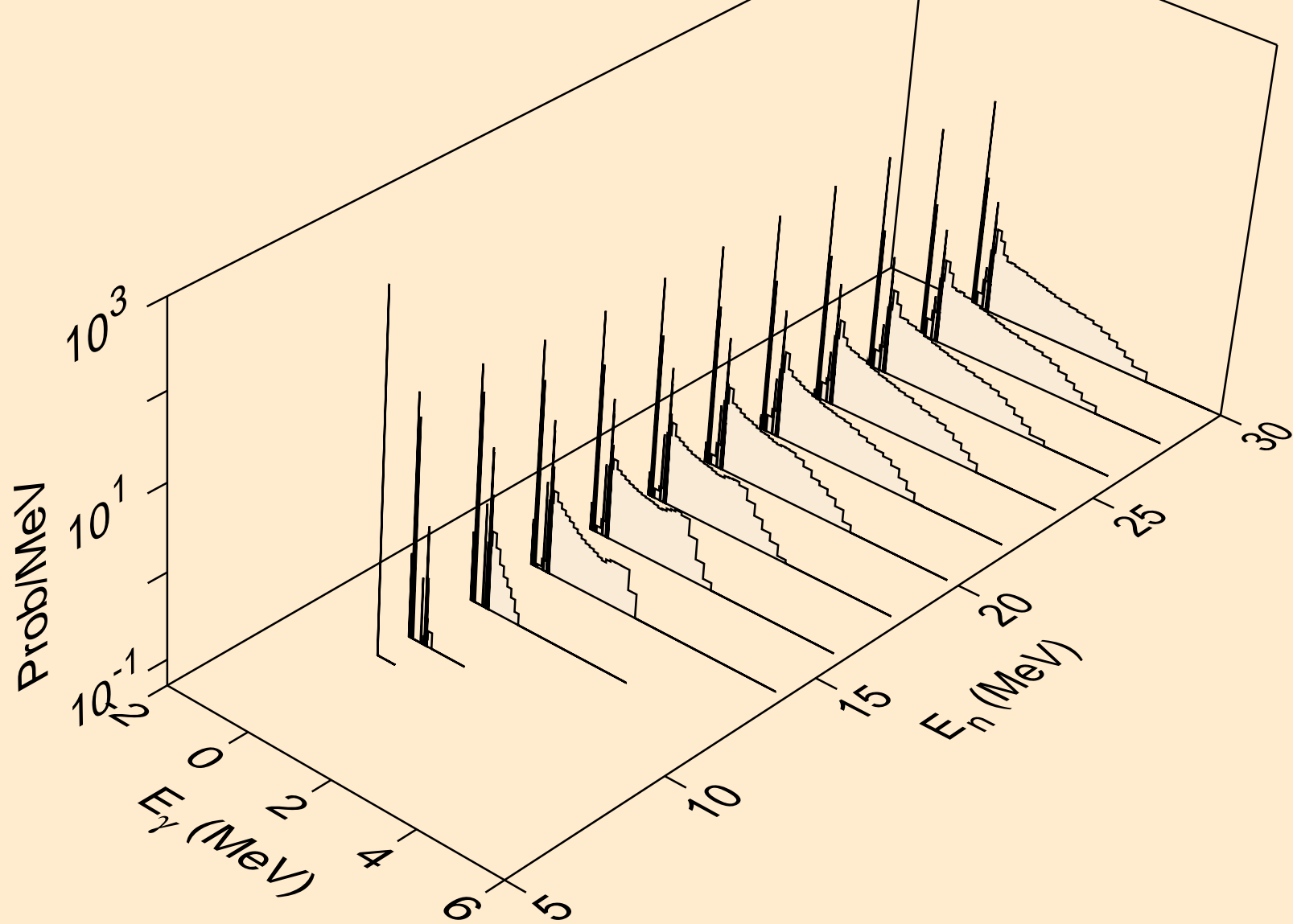
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)

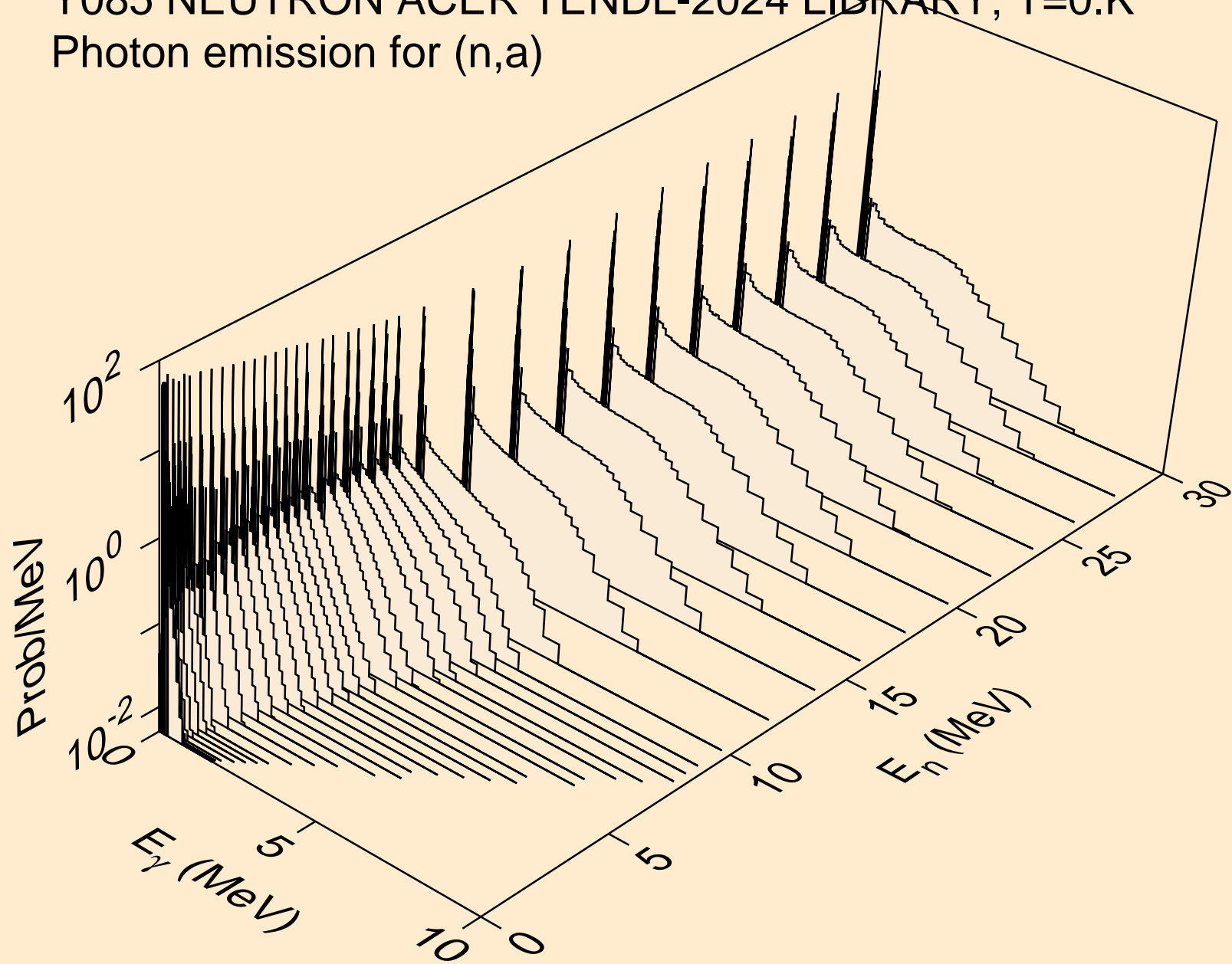


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Photon emission for (n,he3)

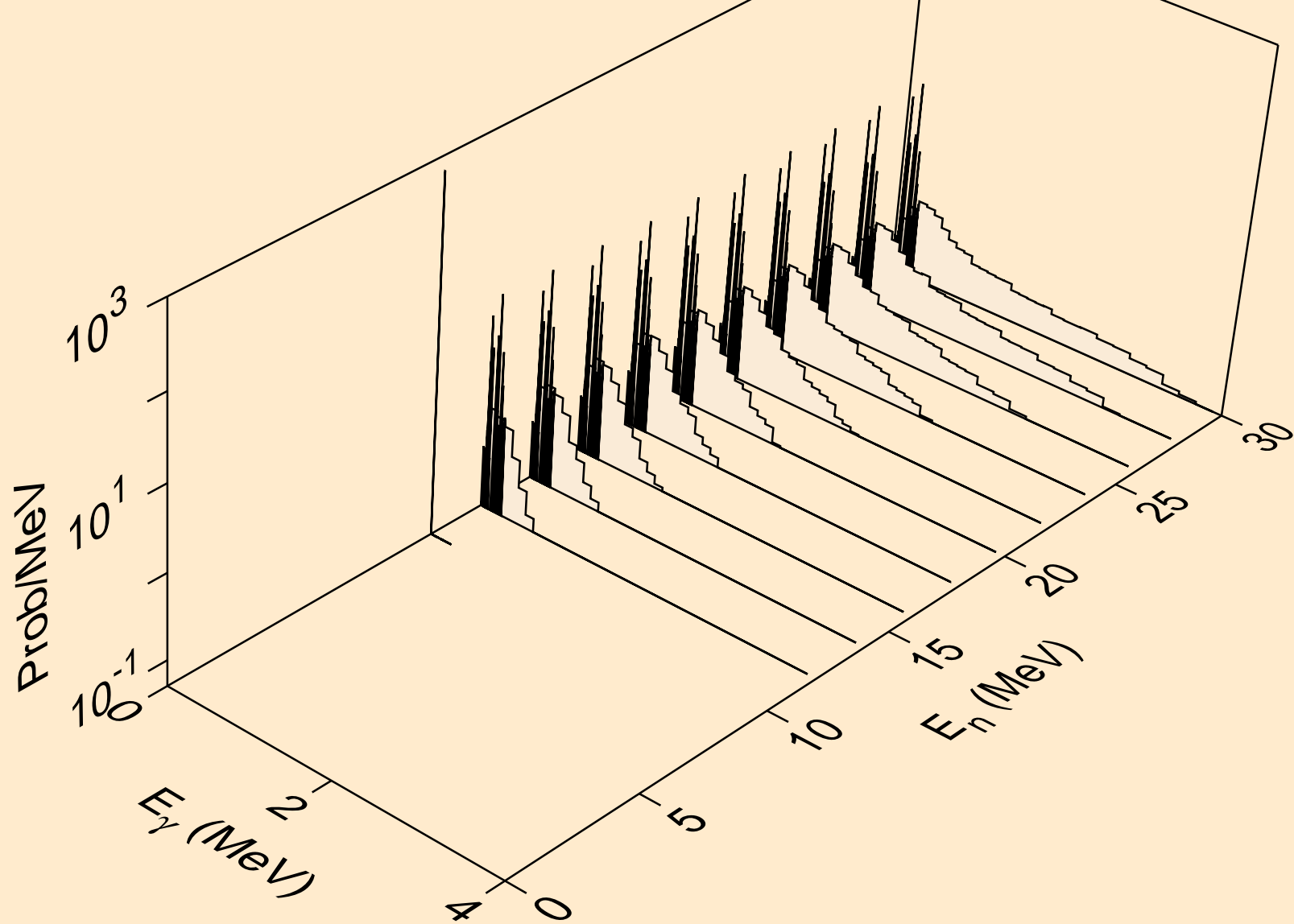




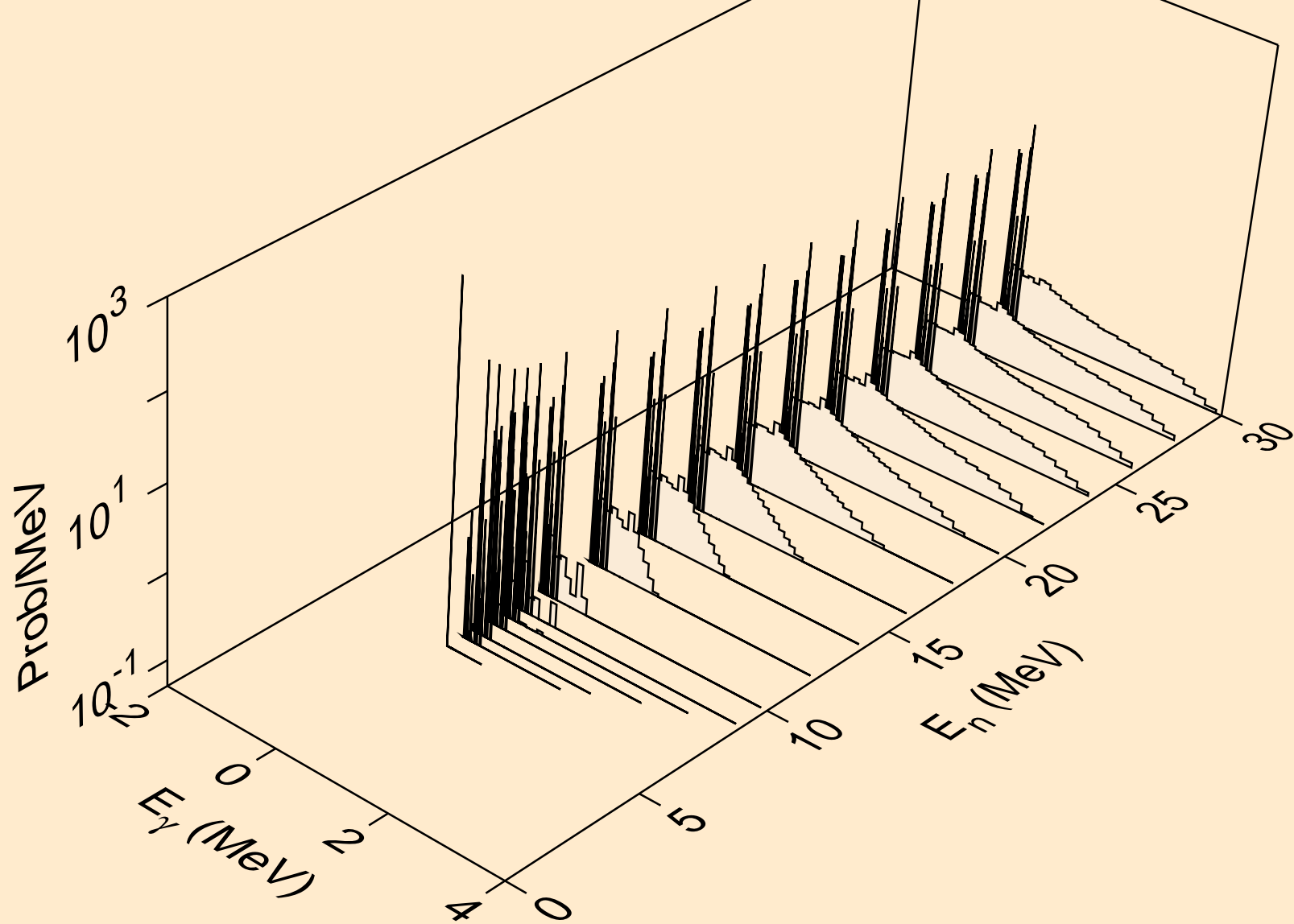
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Photon emission for (n,a)



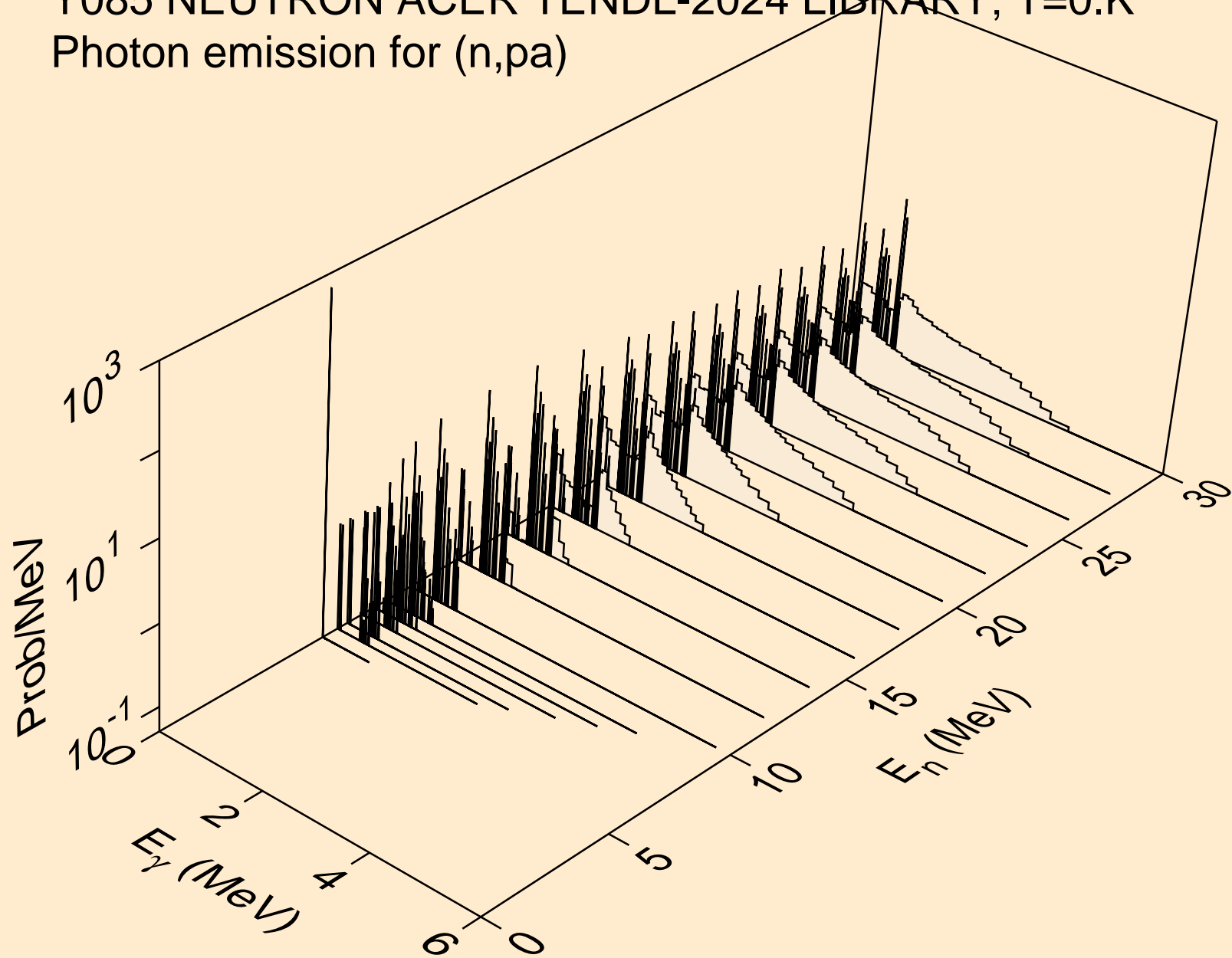
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Photon emission for (n,2a)



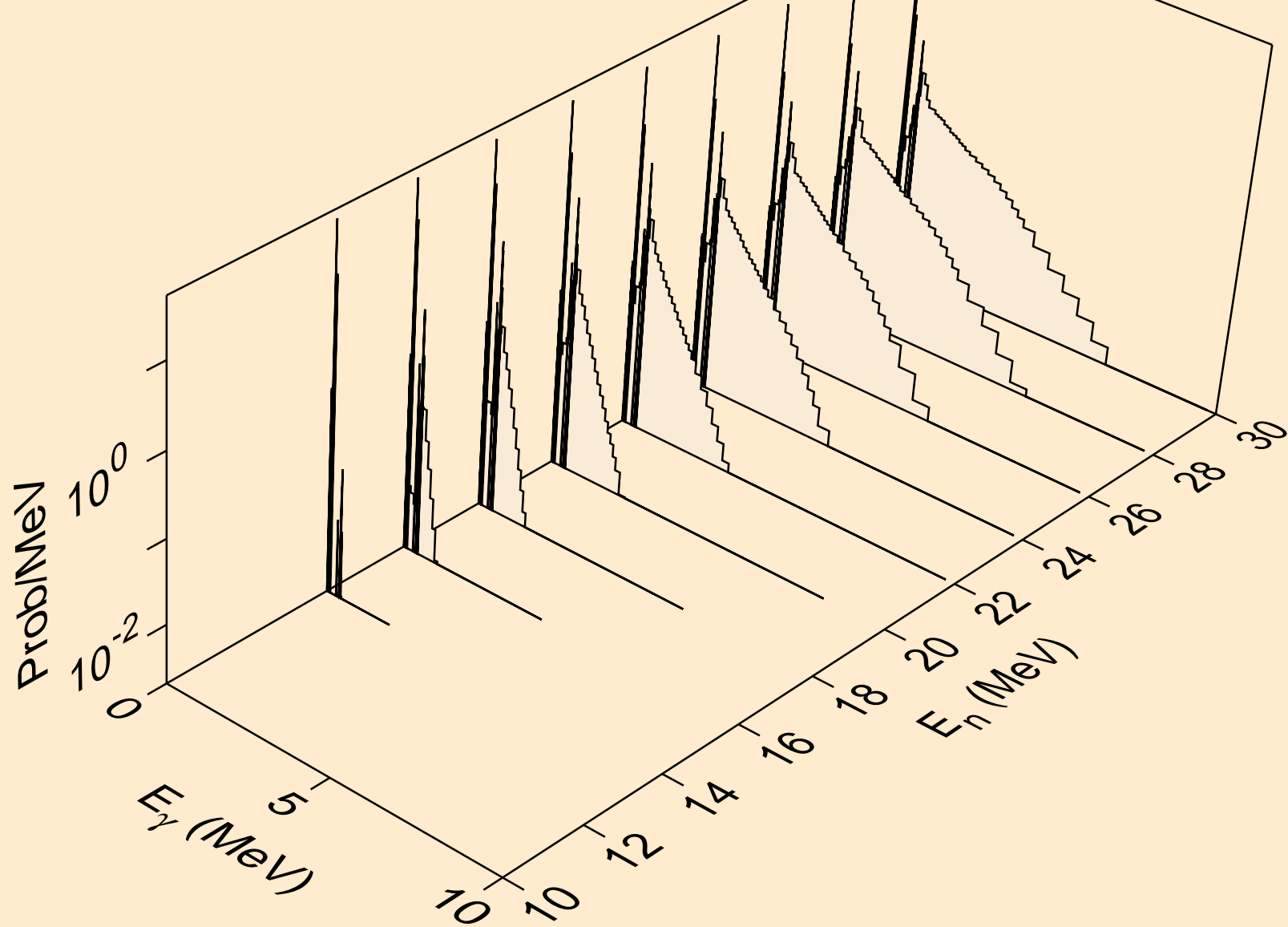
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Photon emission for (n,2p)



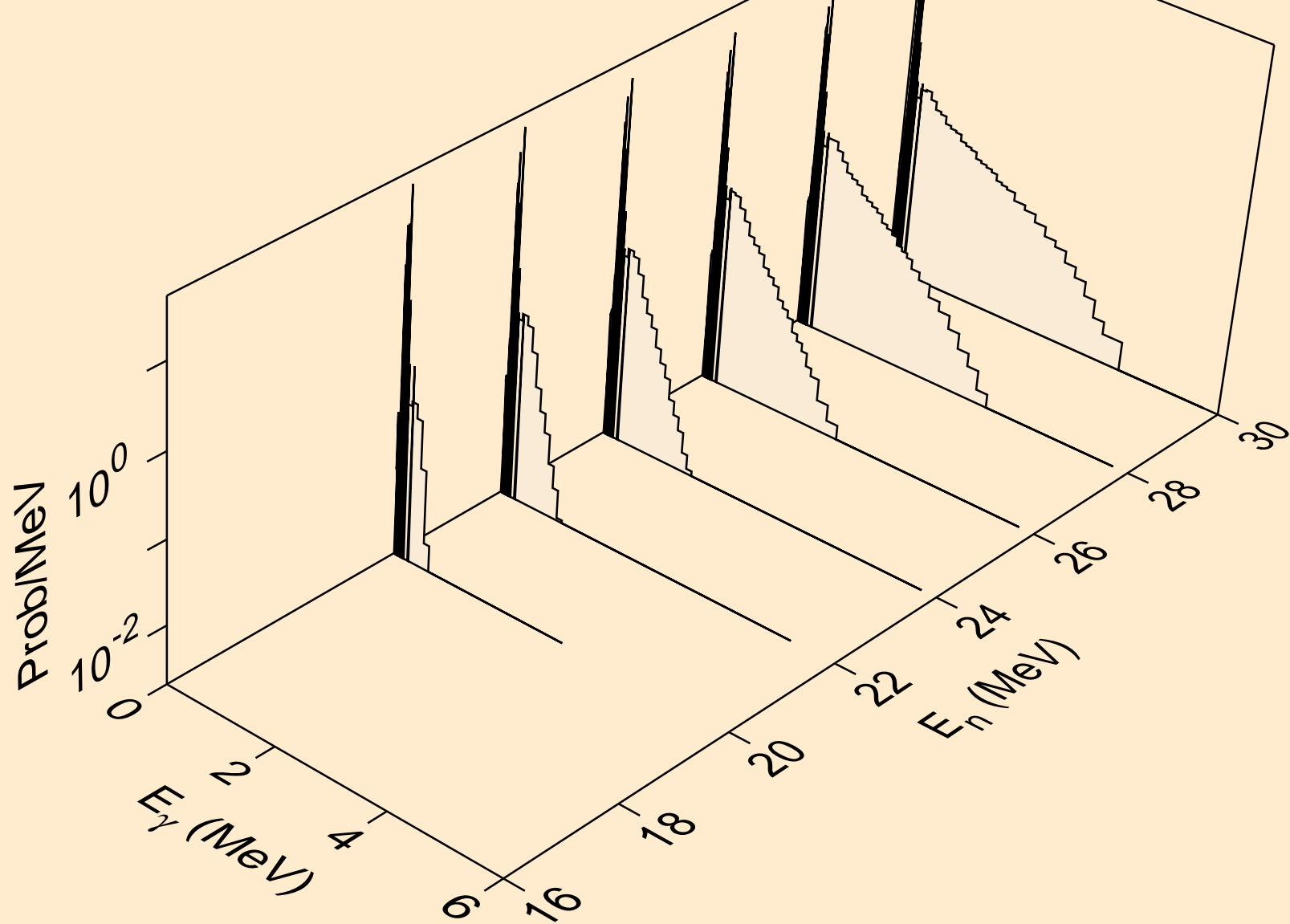
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Photon emission for (n,p $\alpha$ )



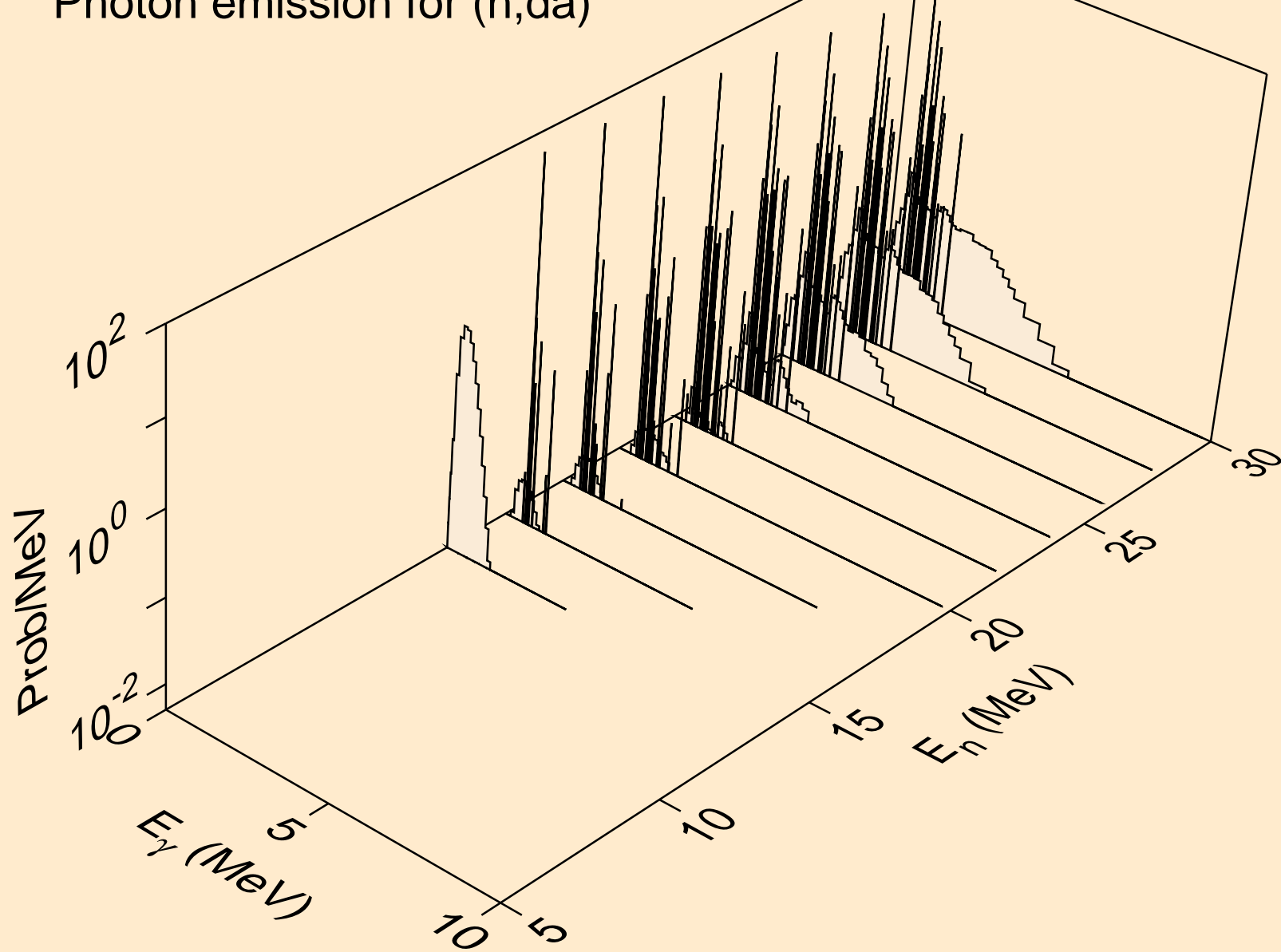
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Photon emission for (n,pd)



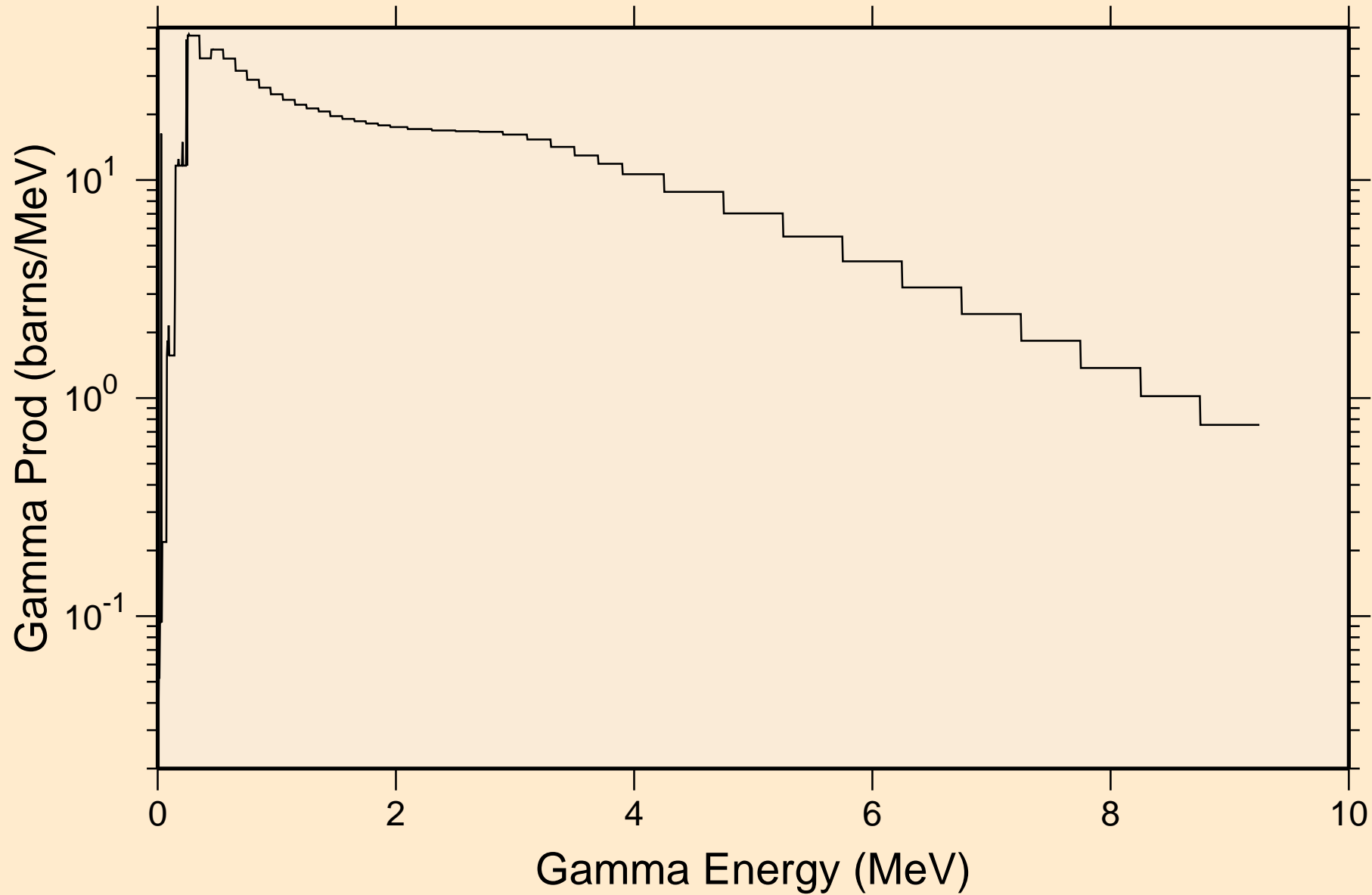
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)



Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)

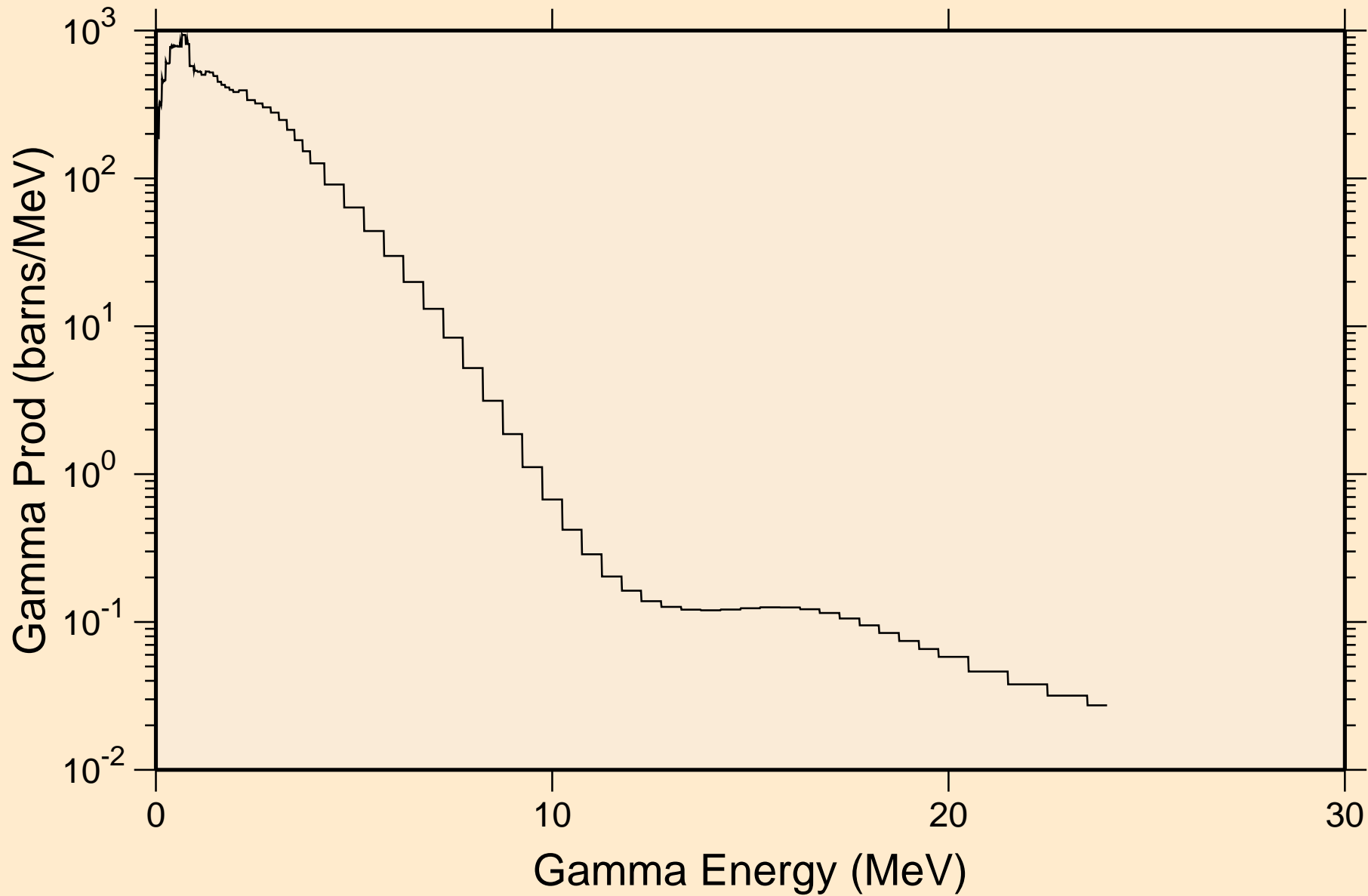


Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum



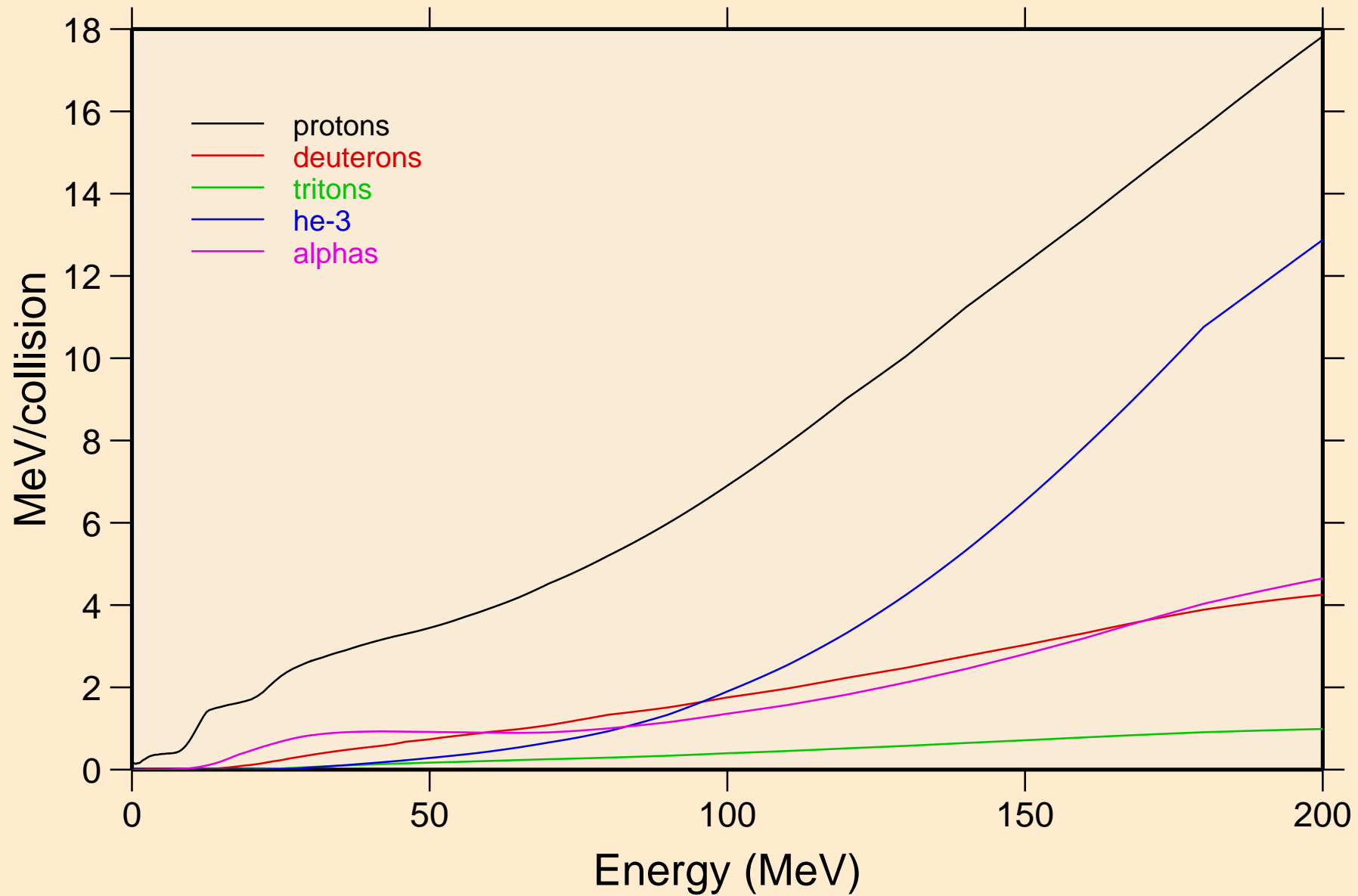


Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum

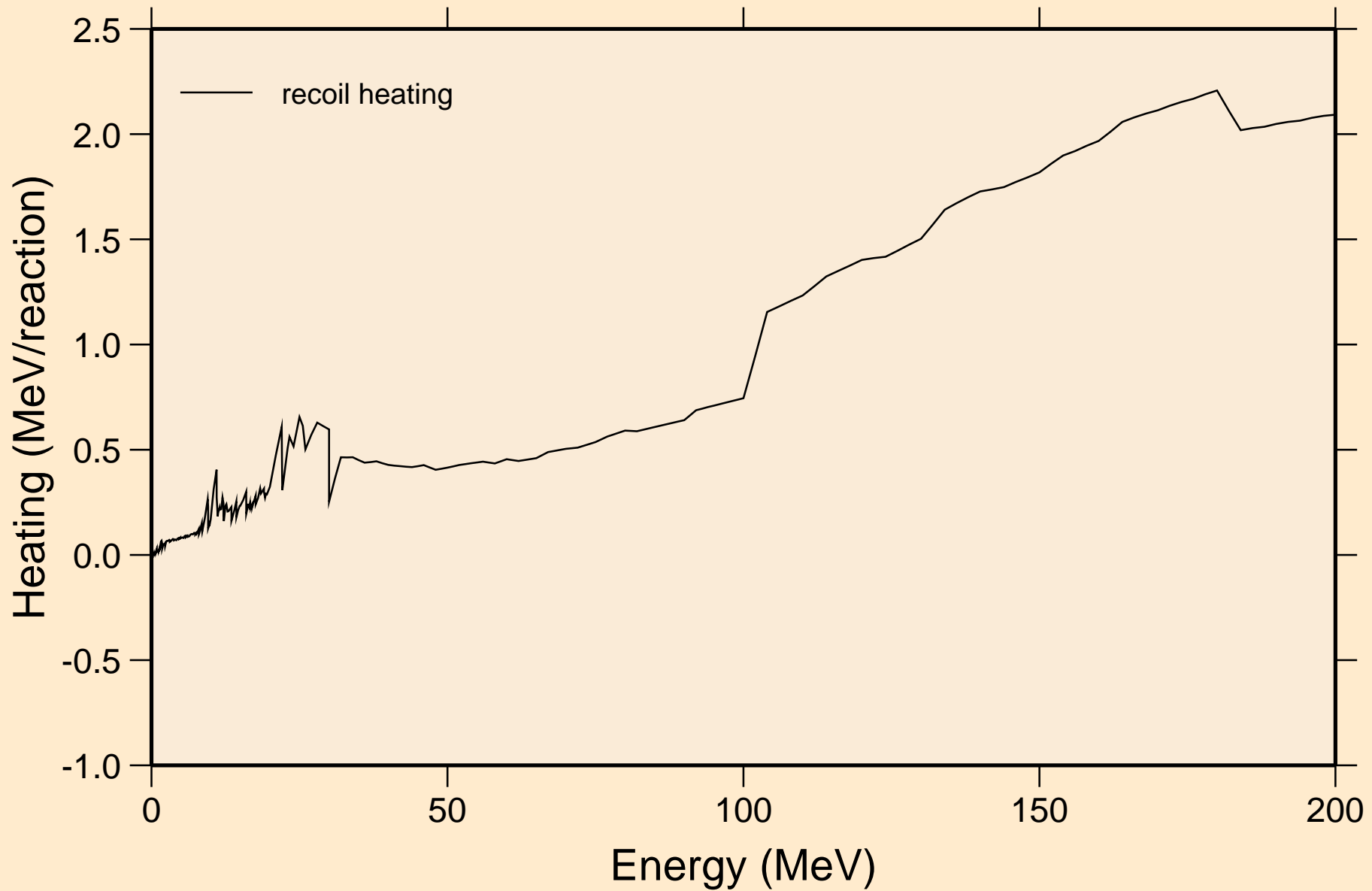


# Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

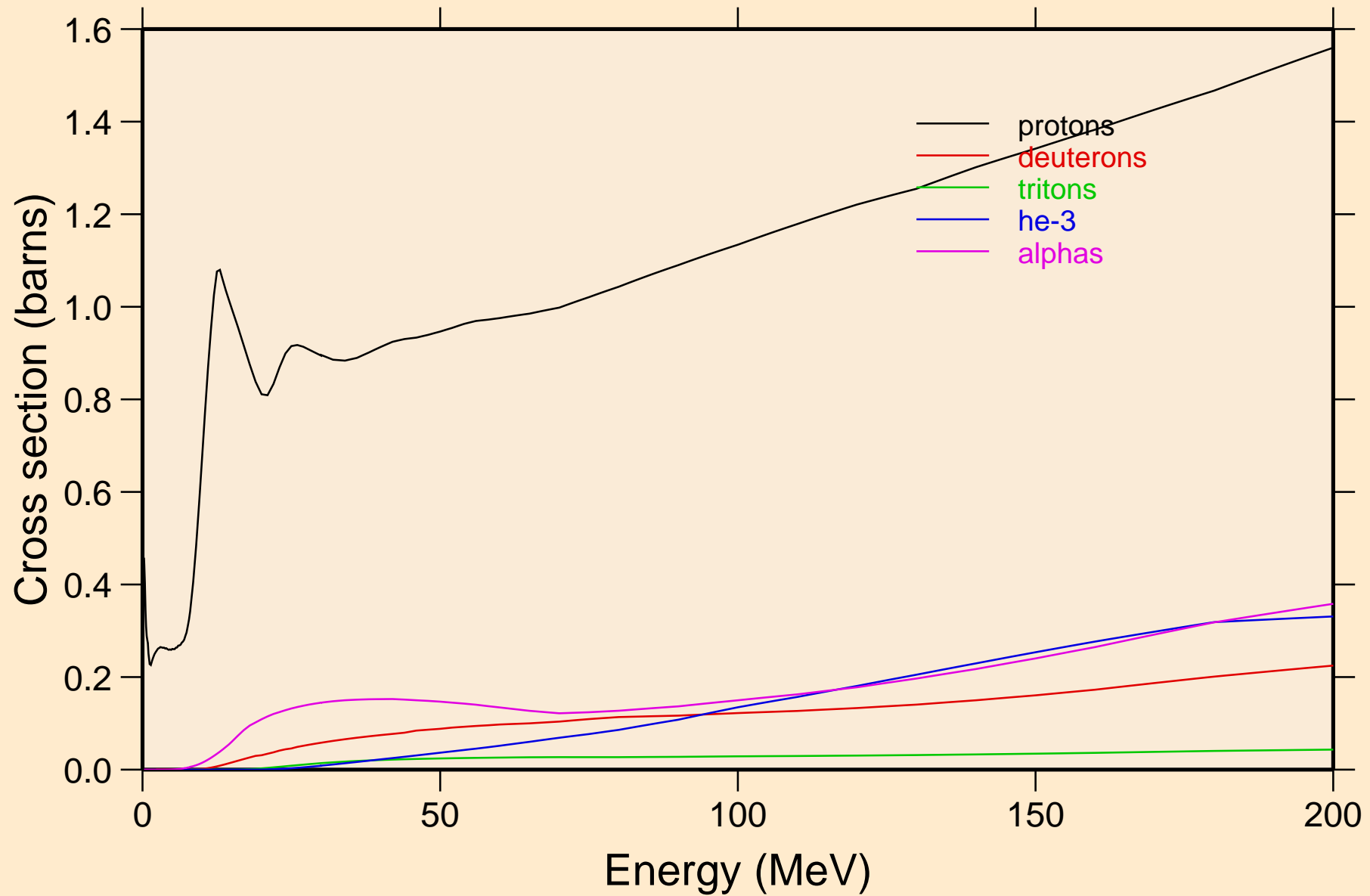
## Particle heating contributions



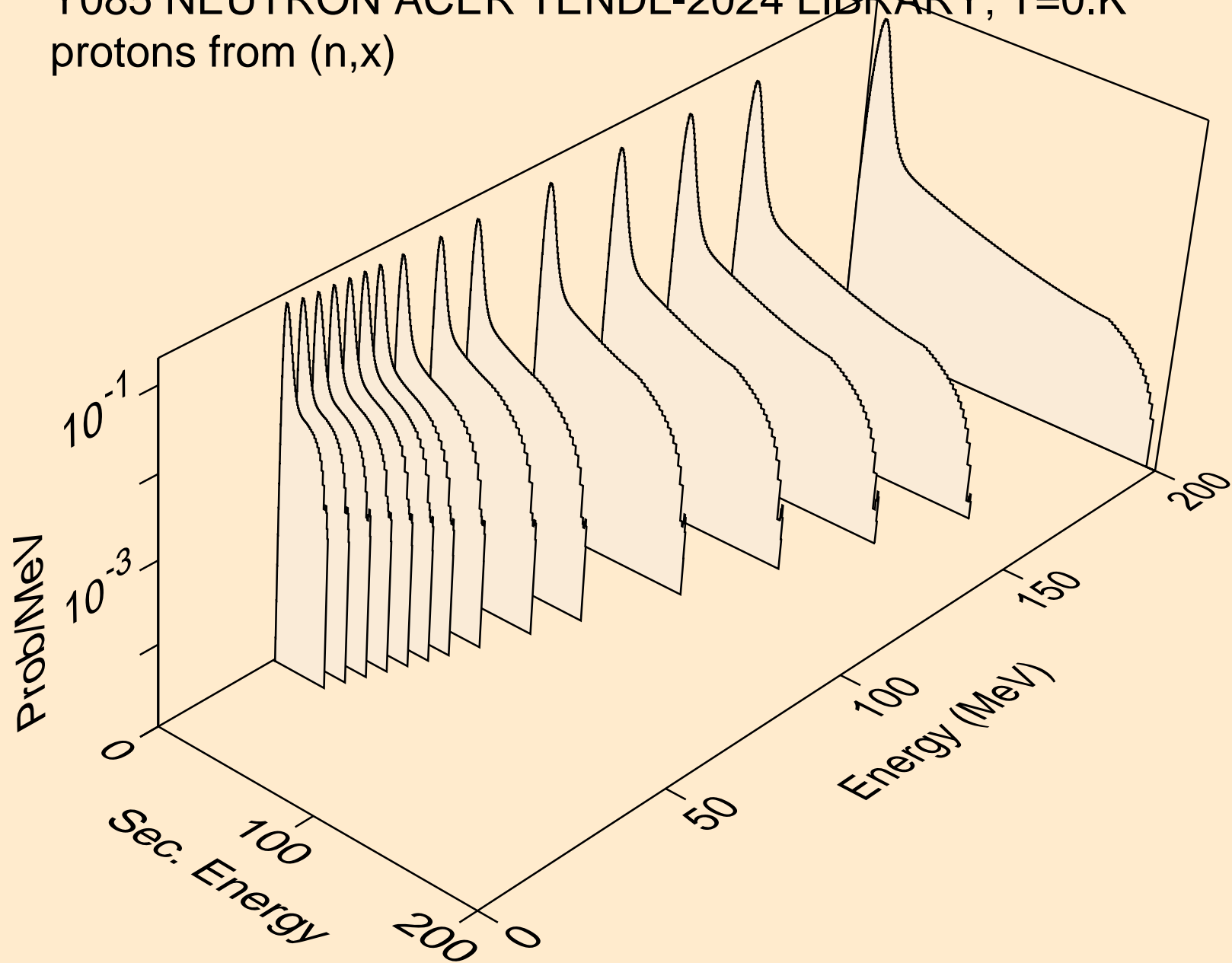
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Recoil Heating



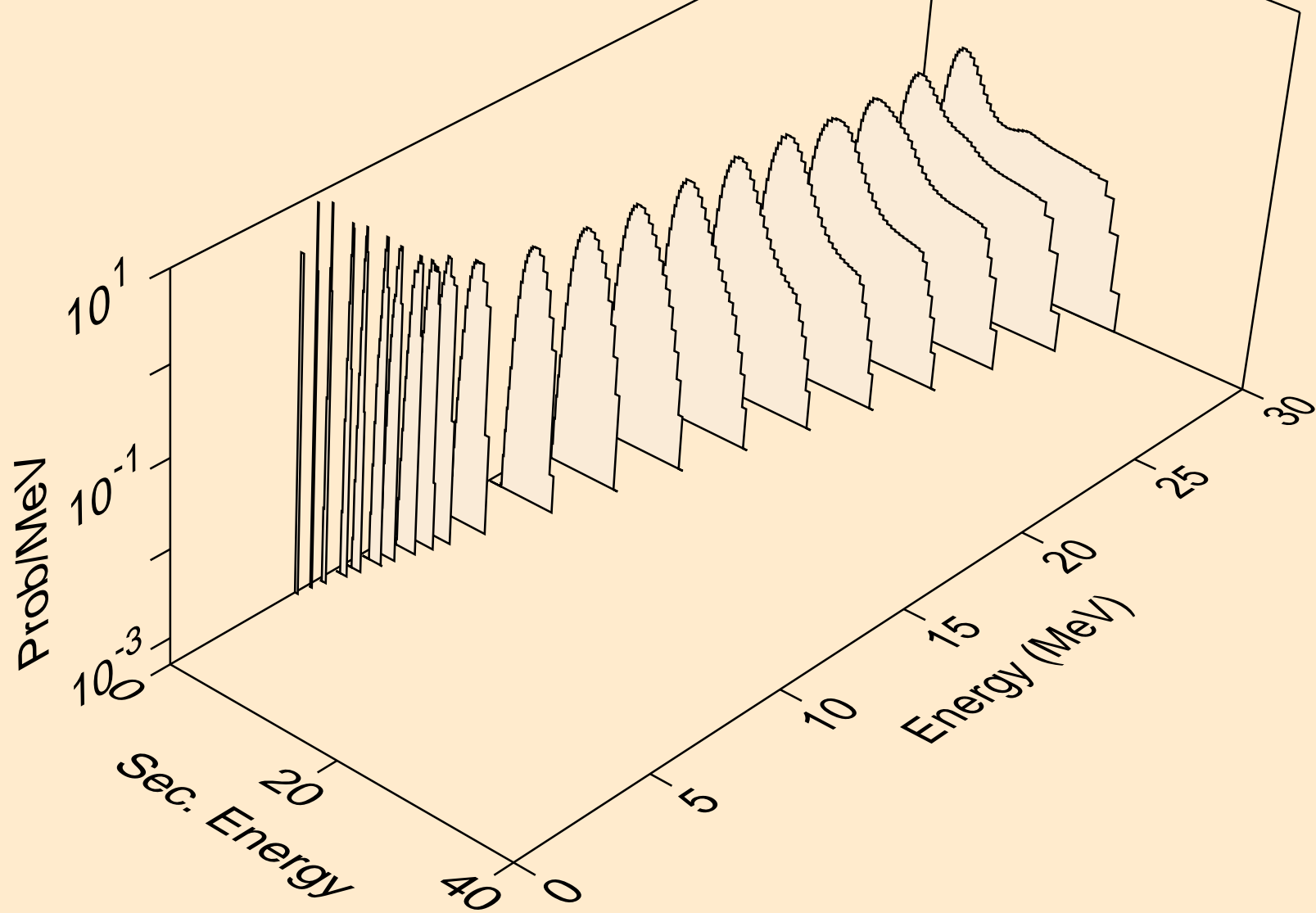
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Particle production cross sections



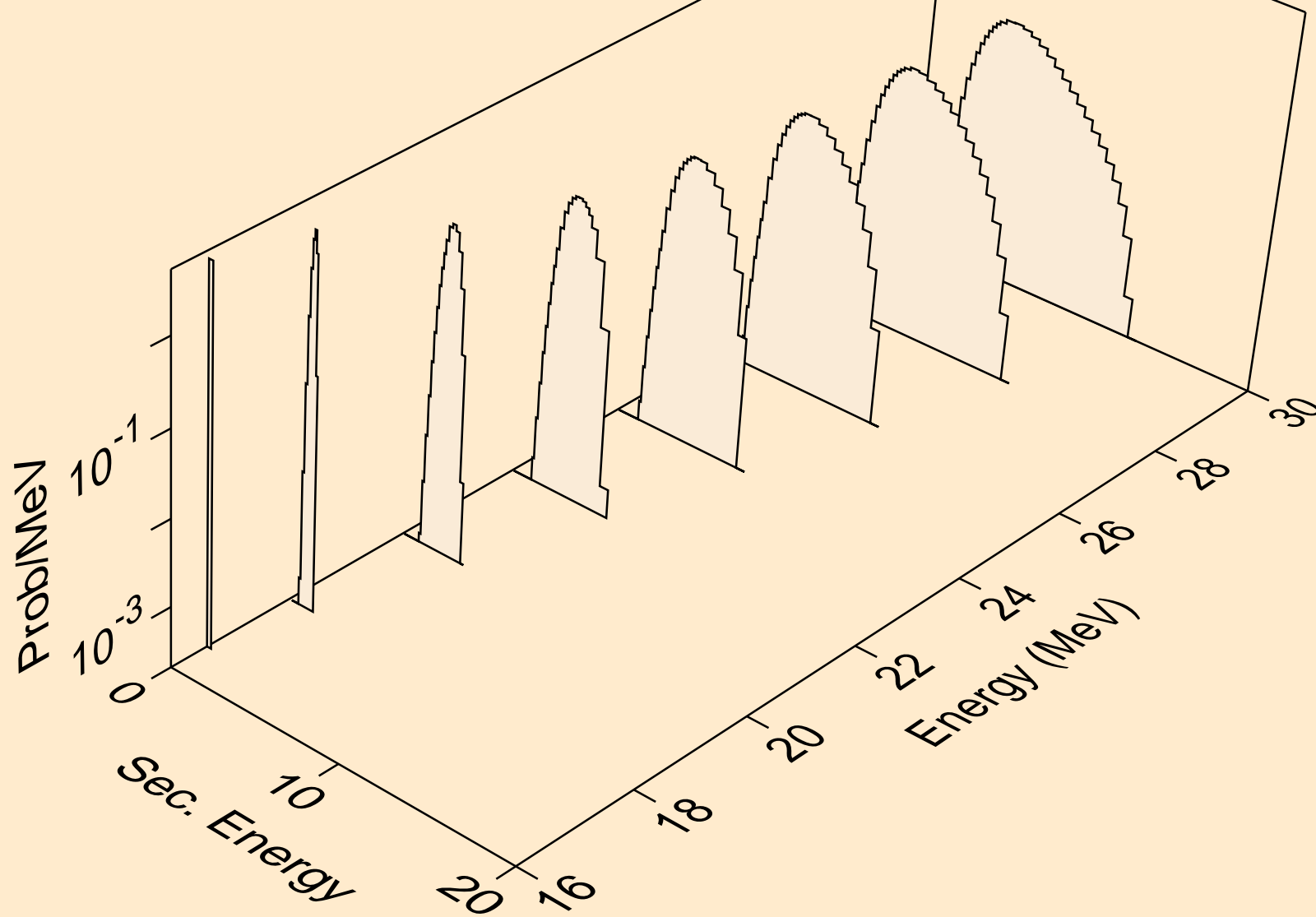
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protons from (n,x)



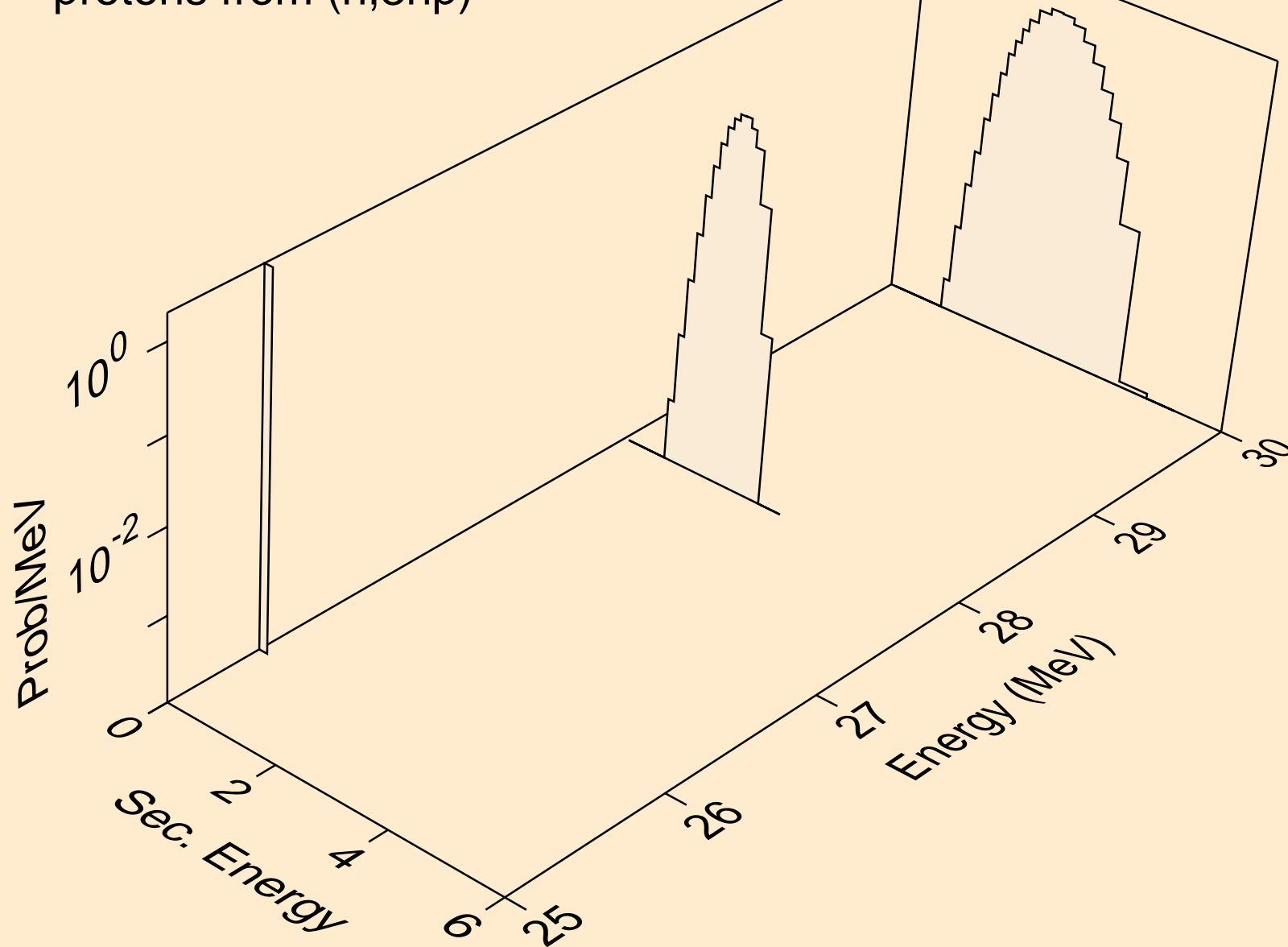
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protons from (n,n\*)p



Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)

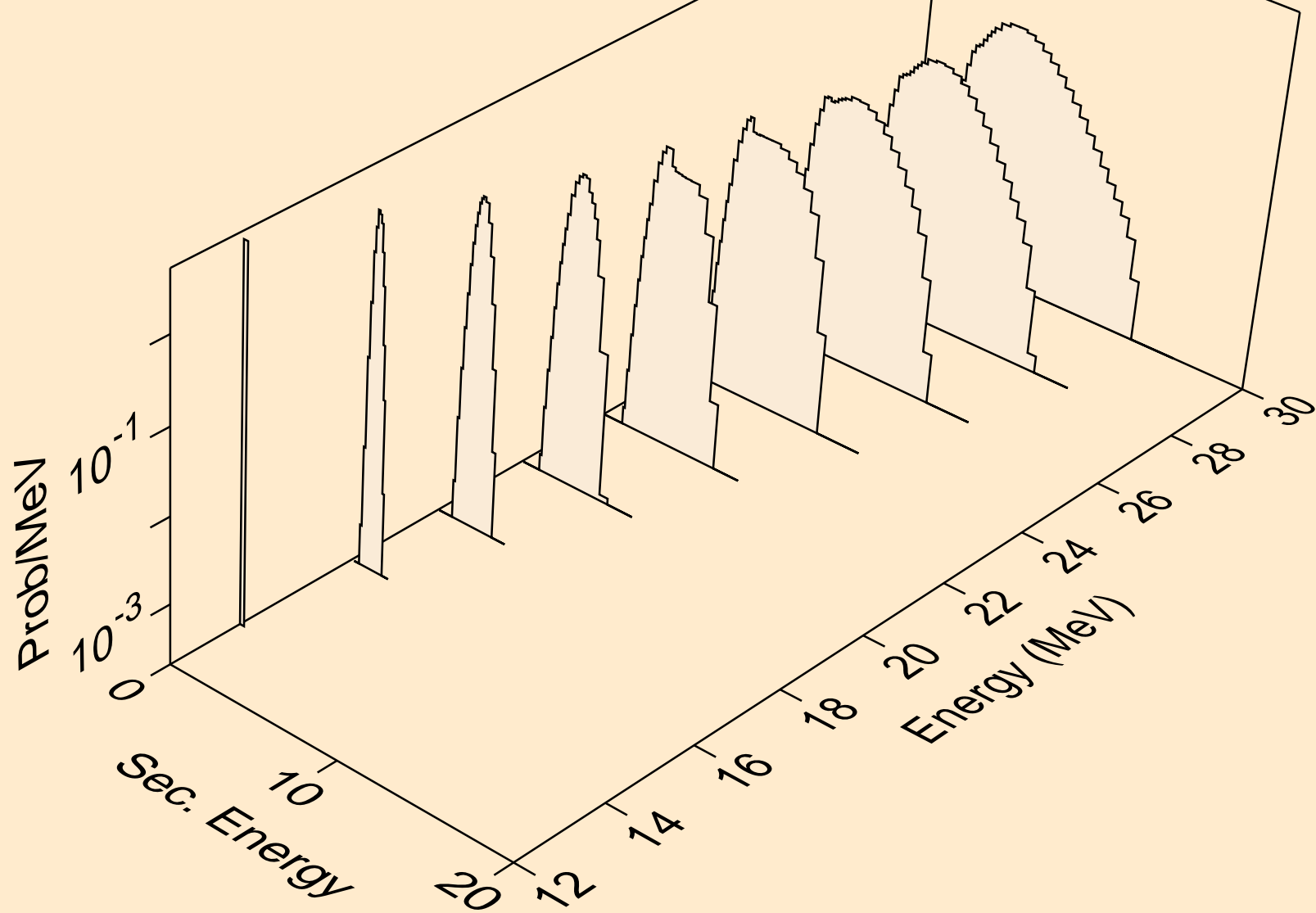


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protons from (n,3np)

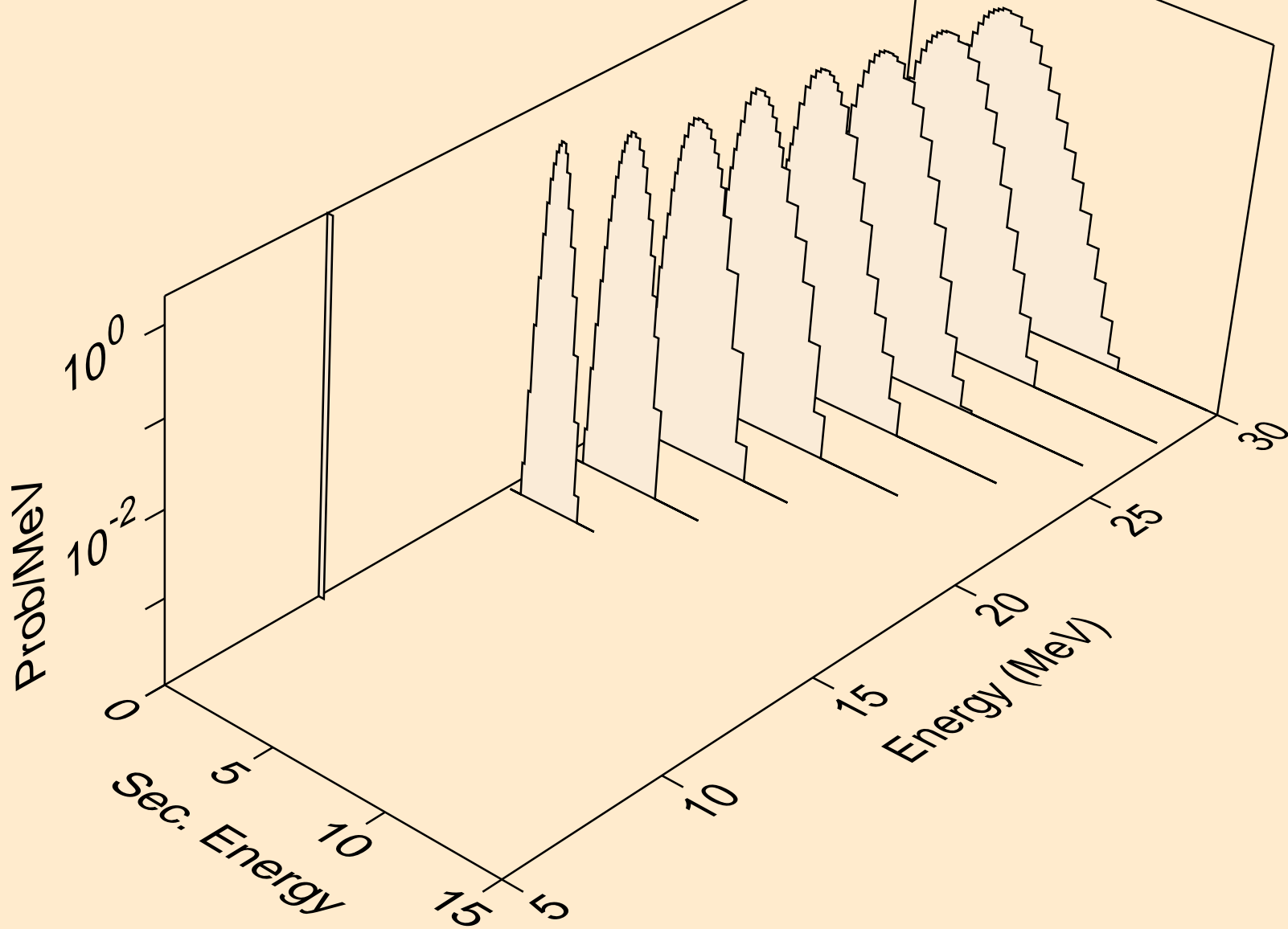




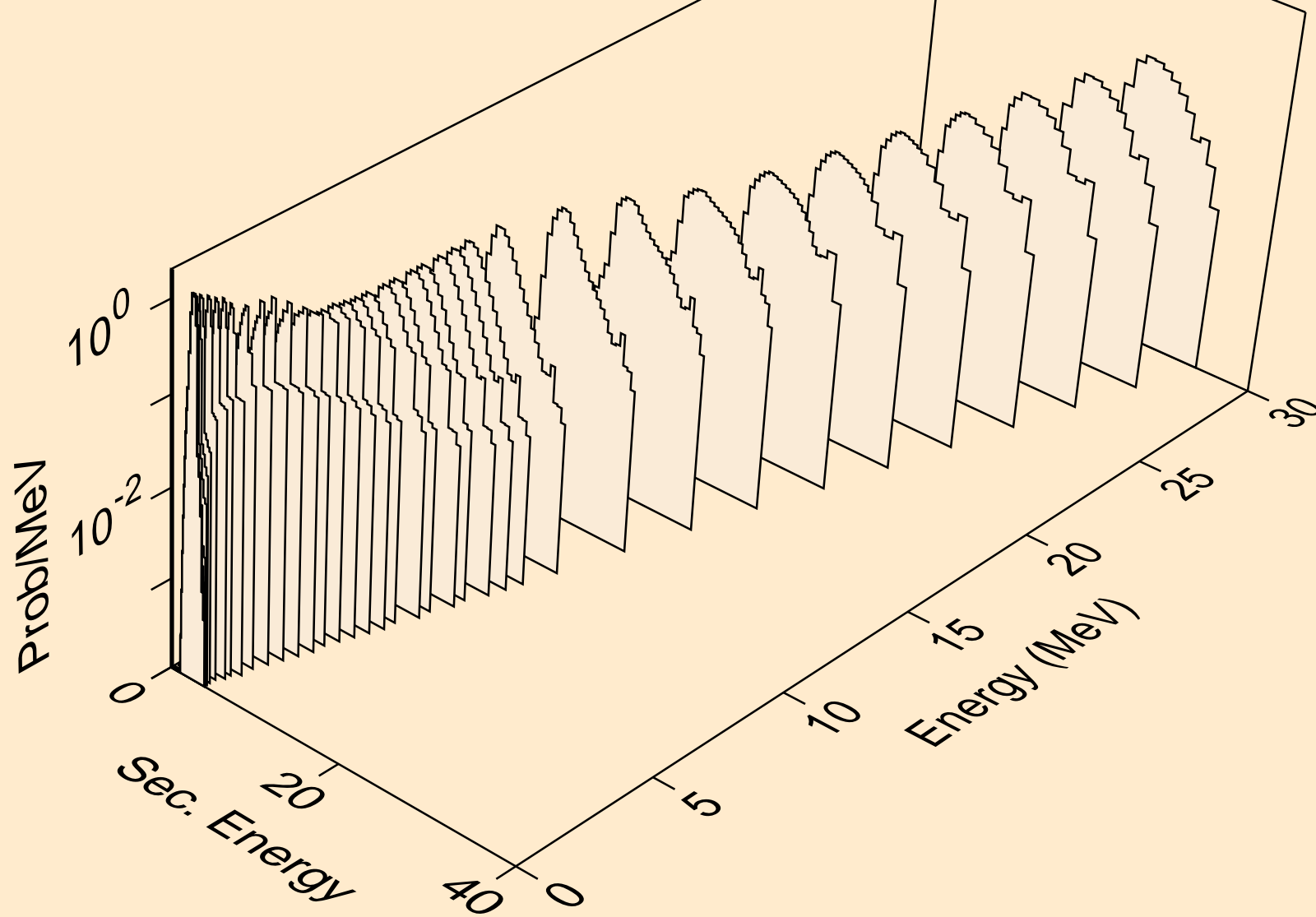
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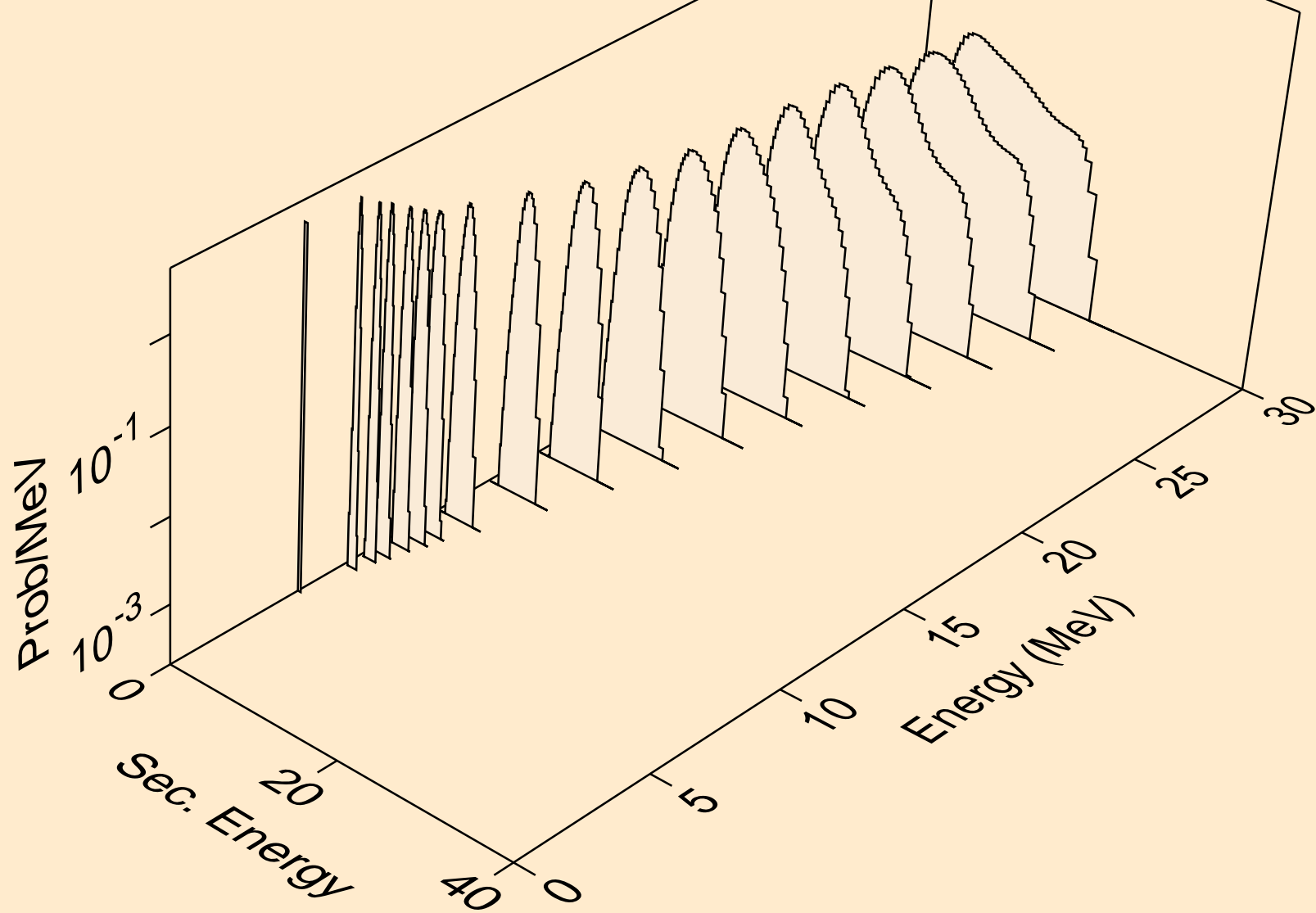
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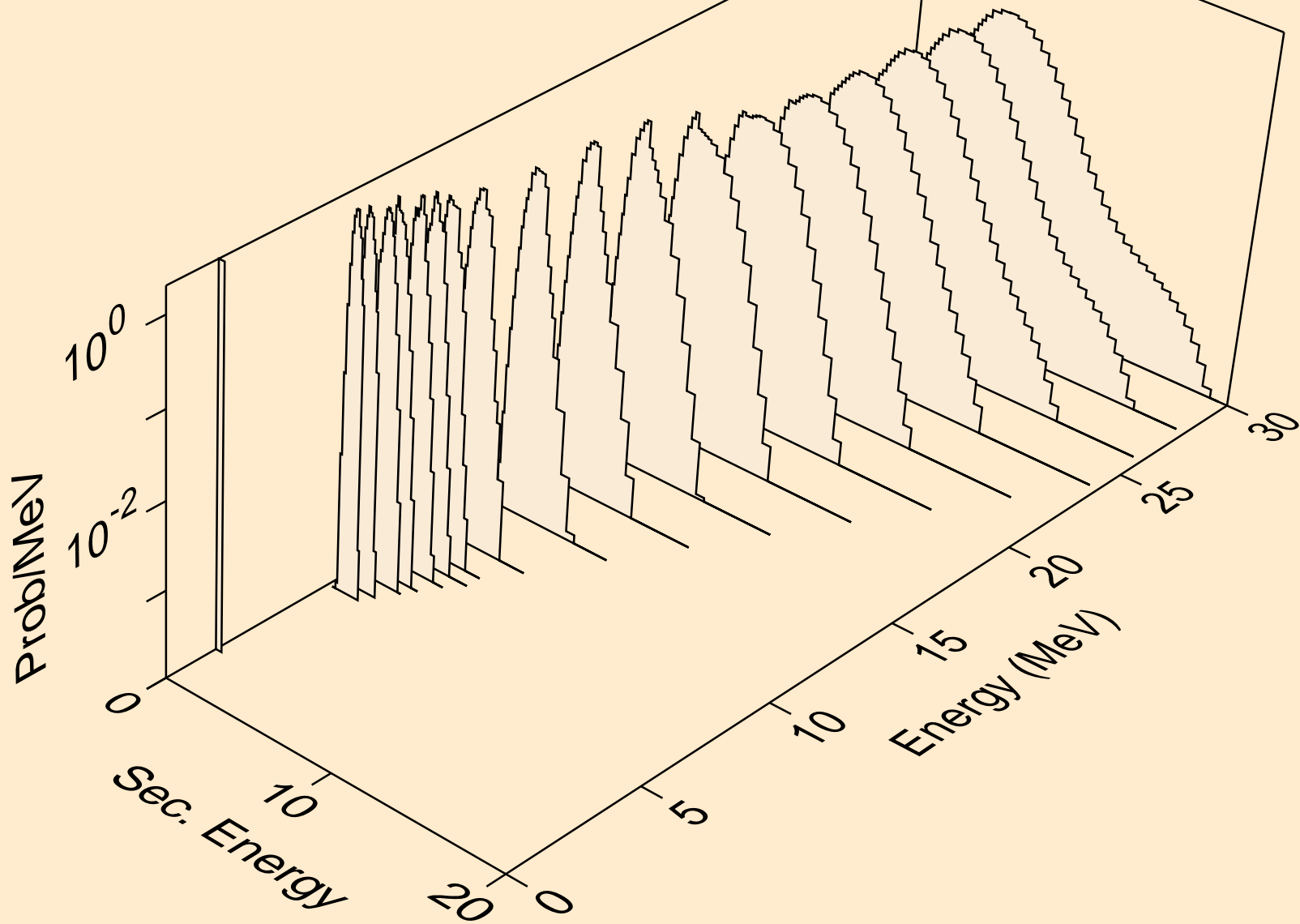
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protons from (n,p)



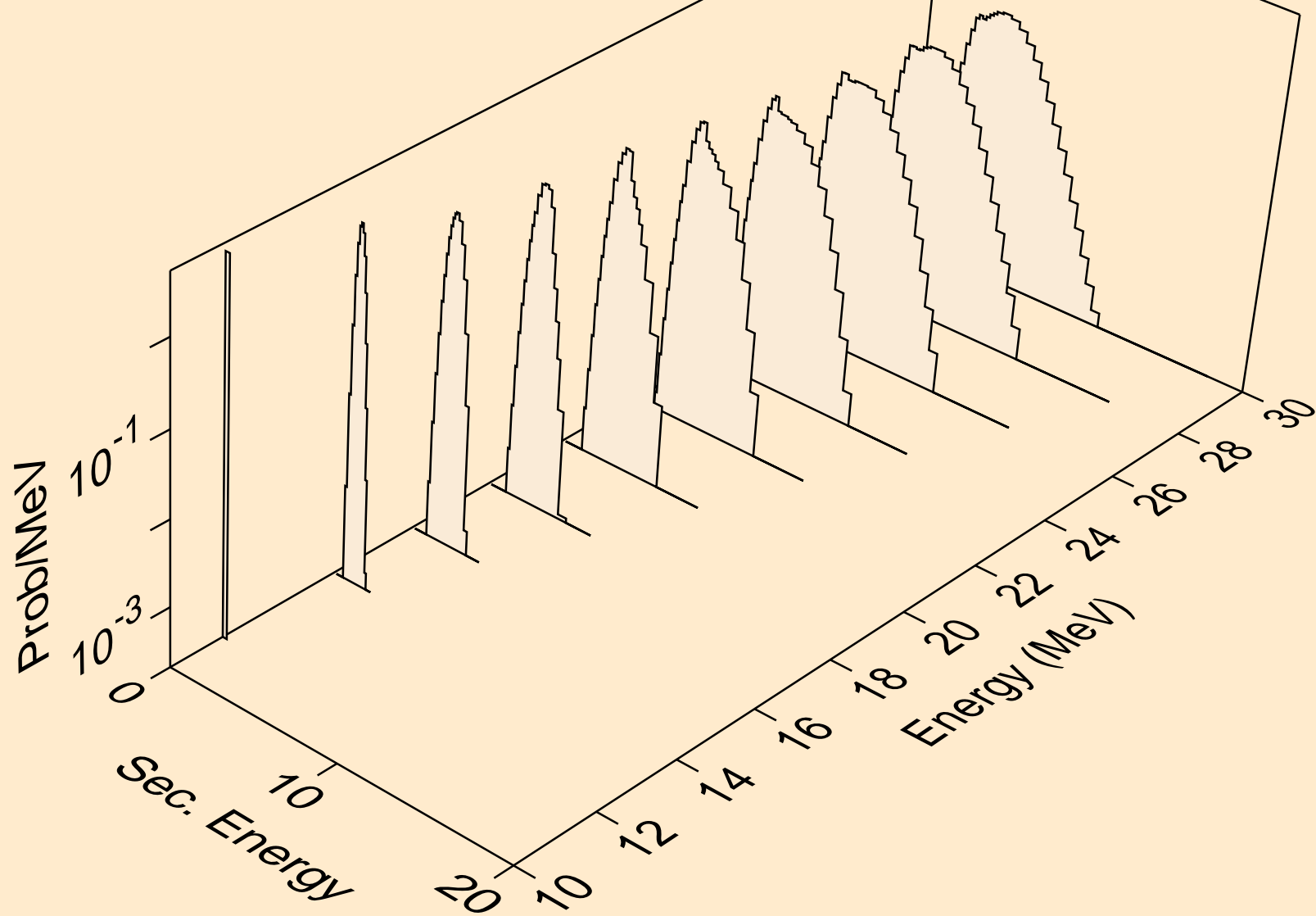
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protons from (n,2p)



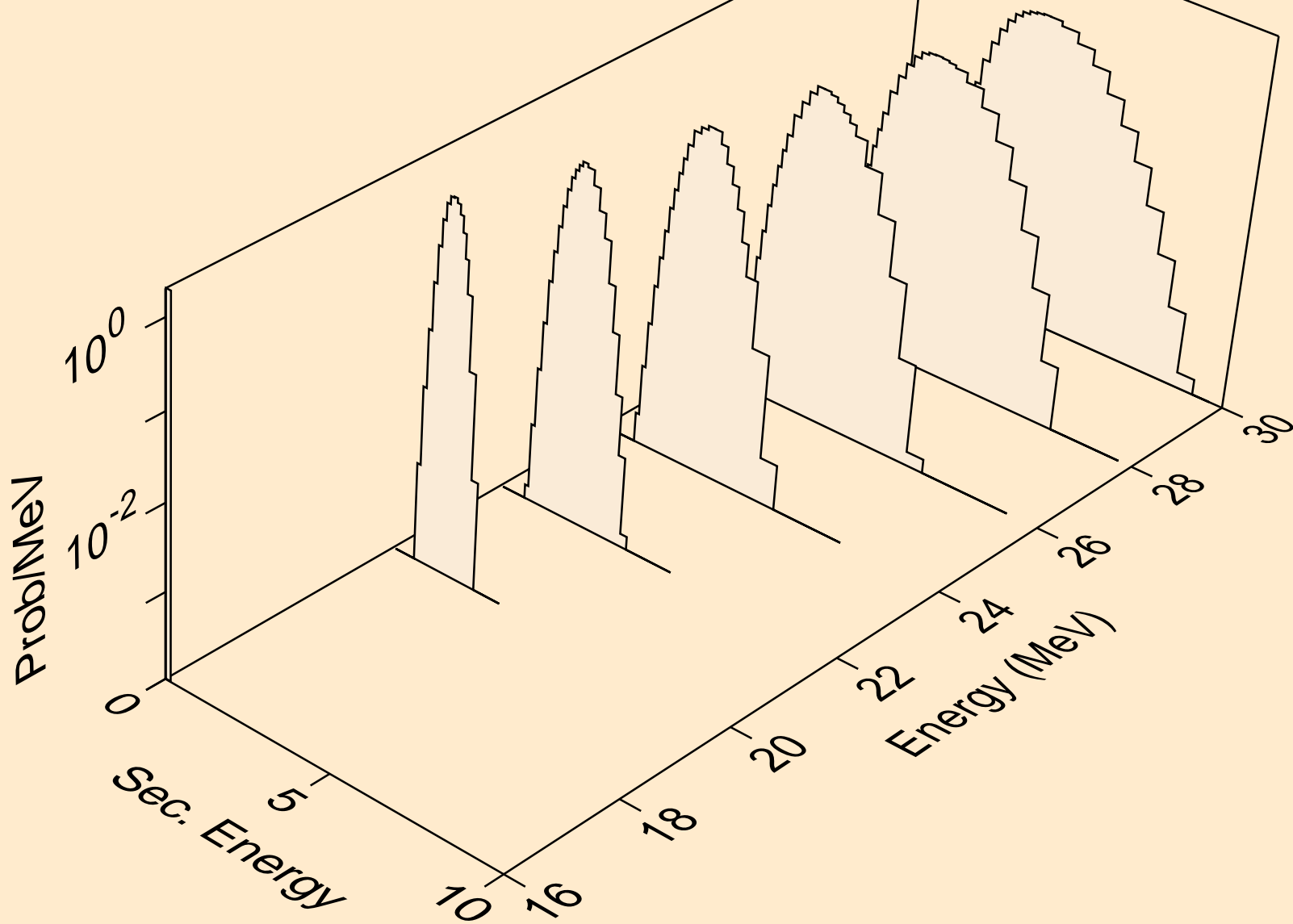
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protons from (n,p)



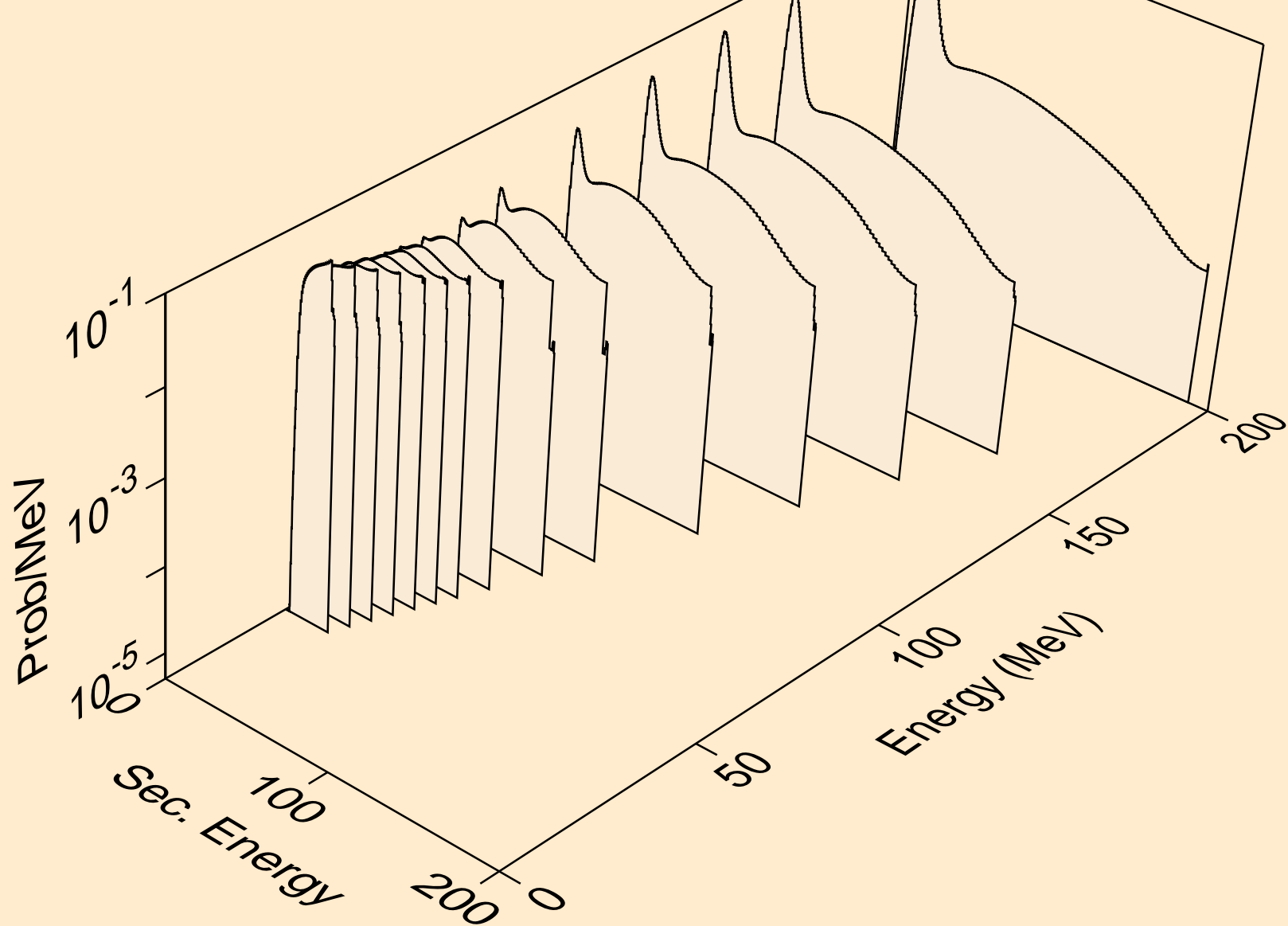
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protons from (n,pd)



Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pt)

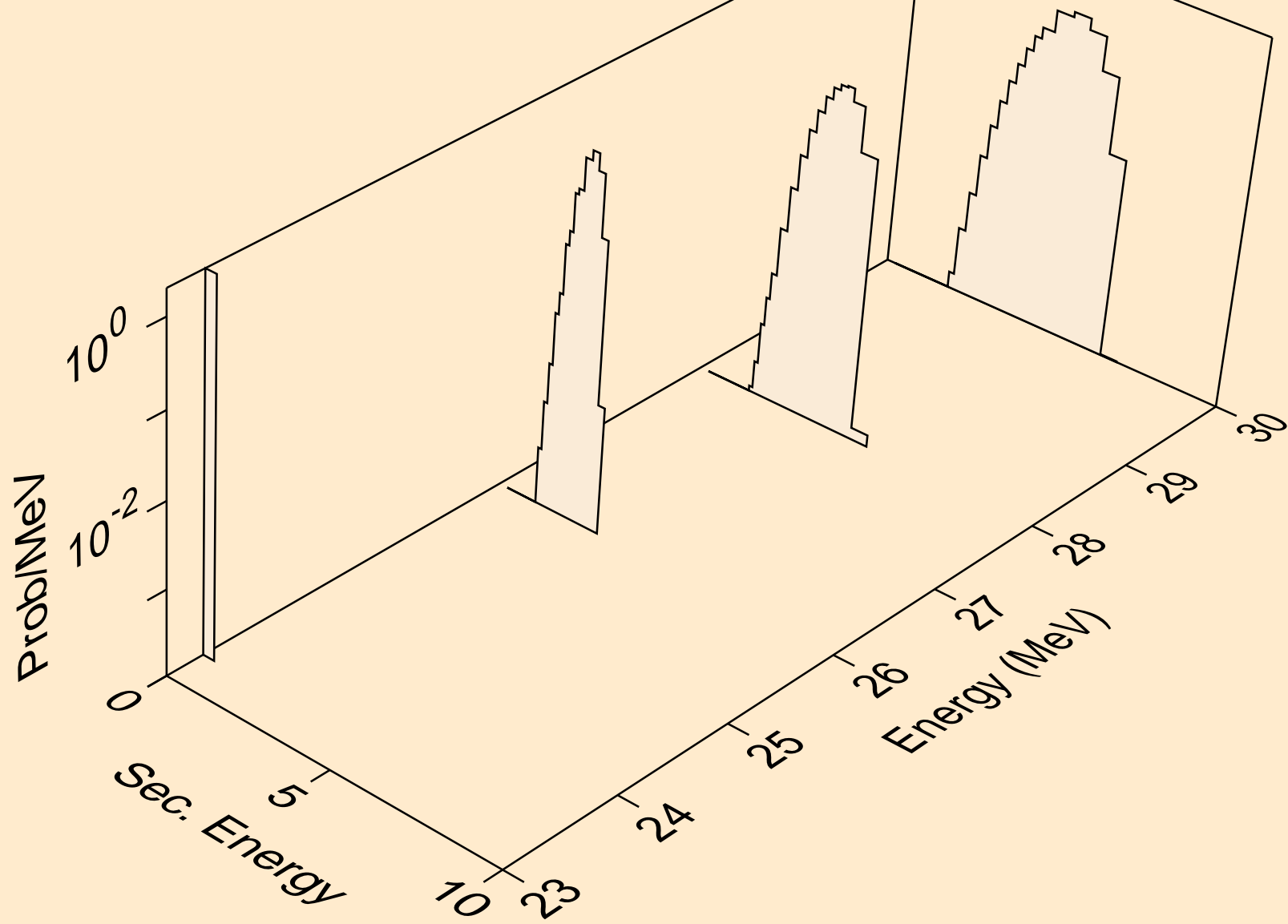


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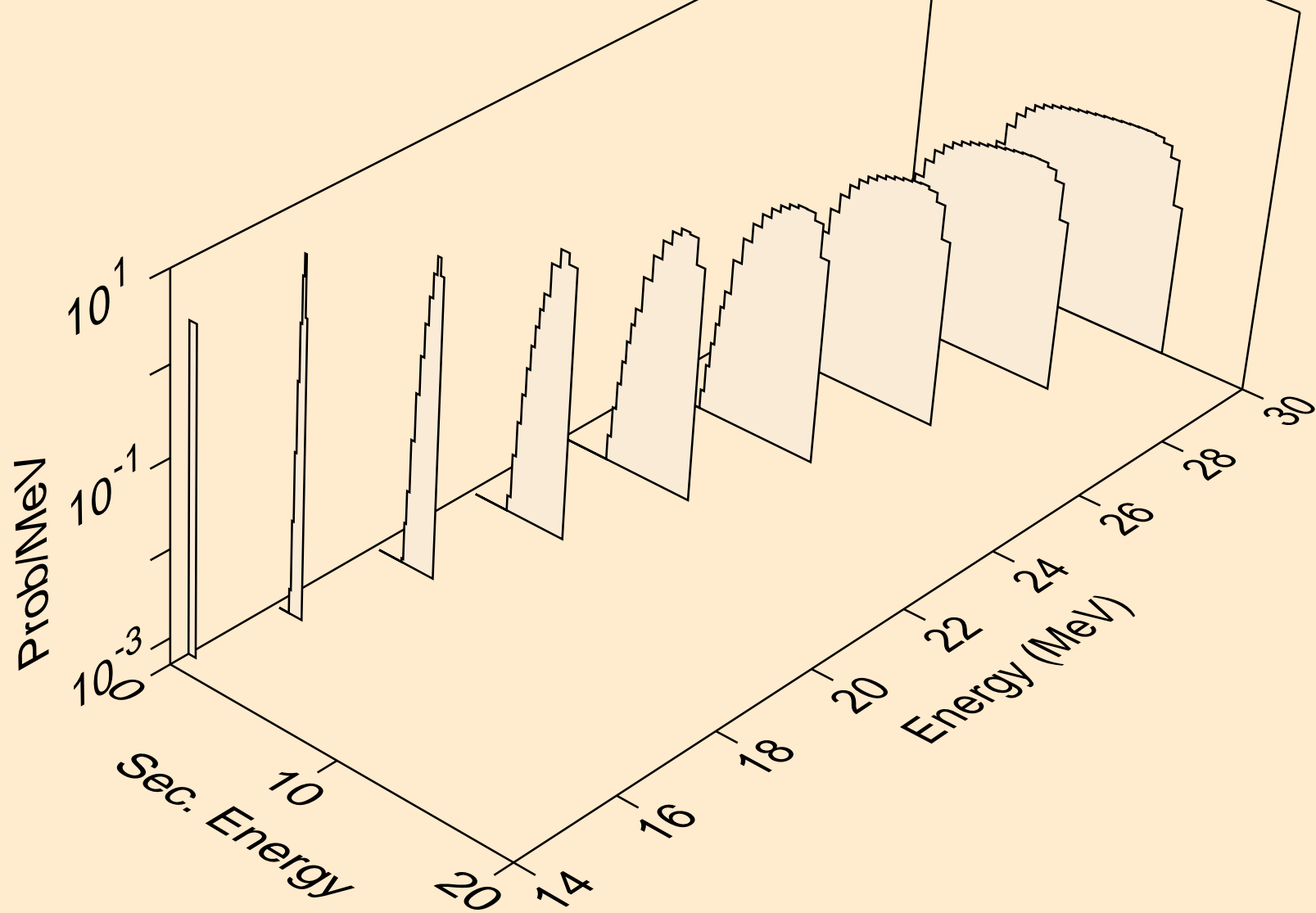




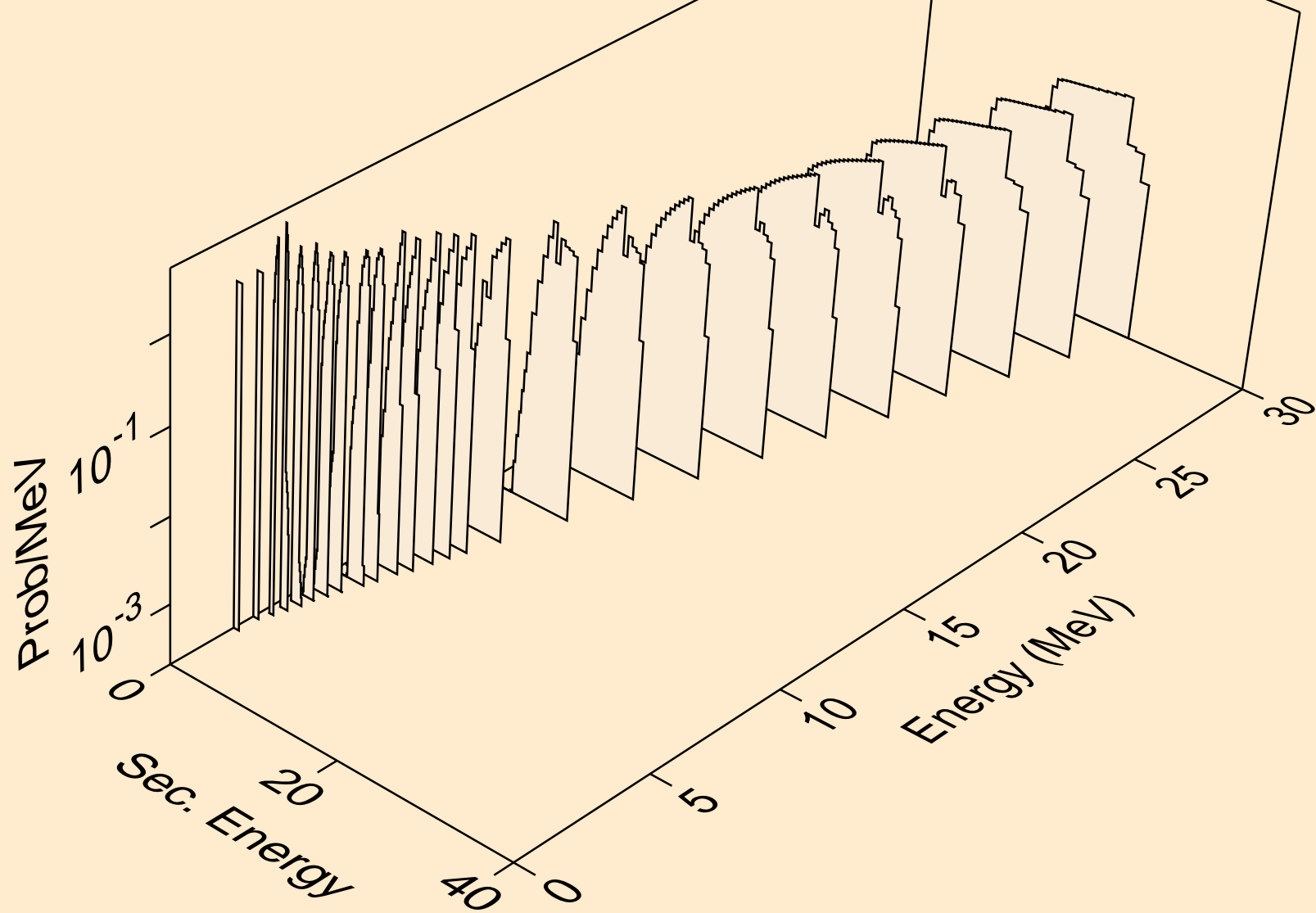
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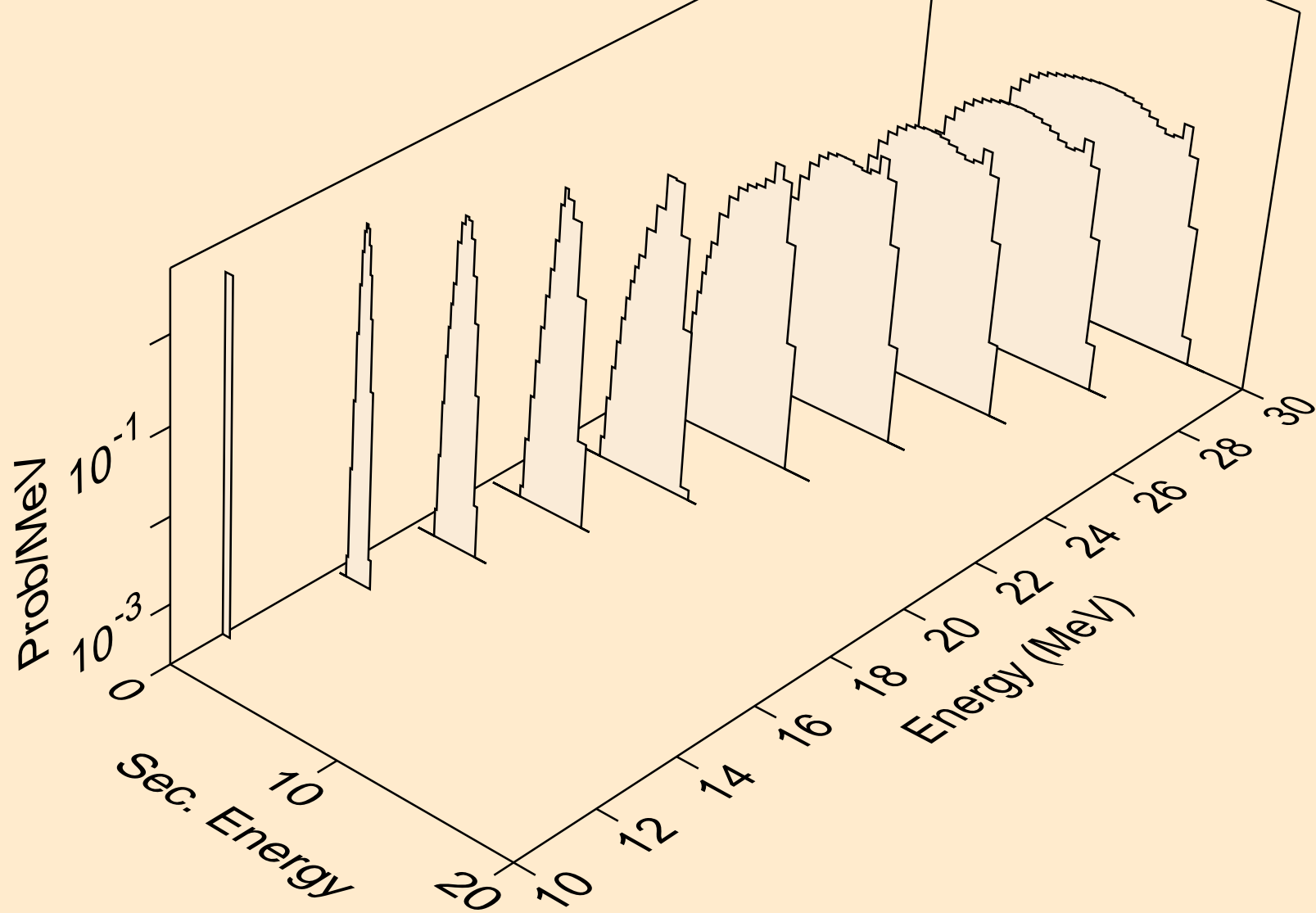
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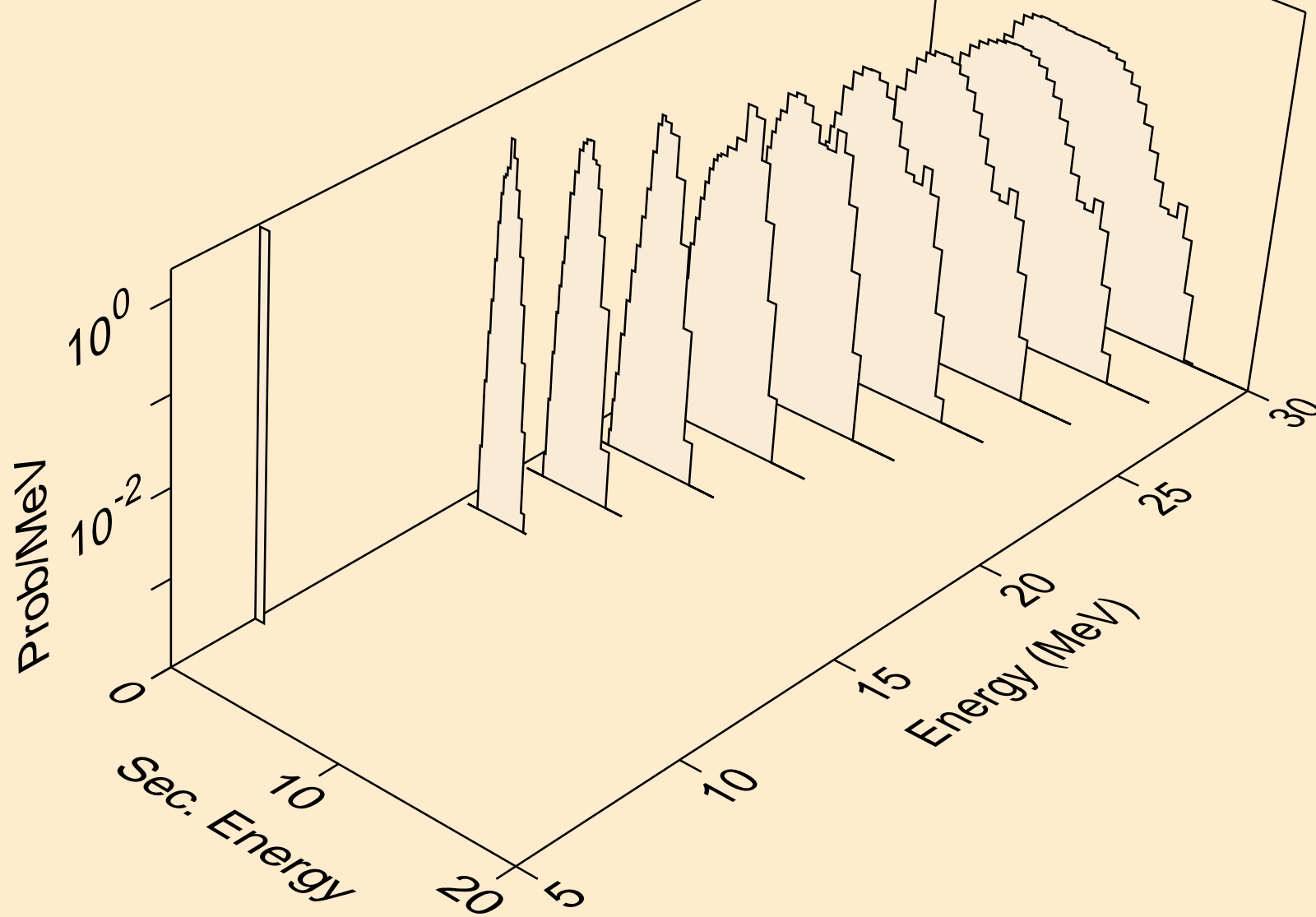
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deuterons from (n,d)



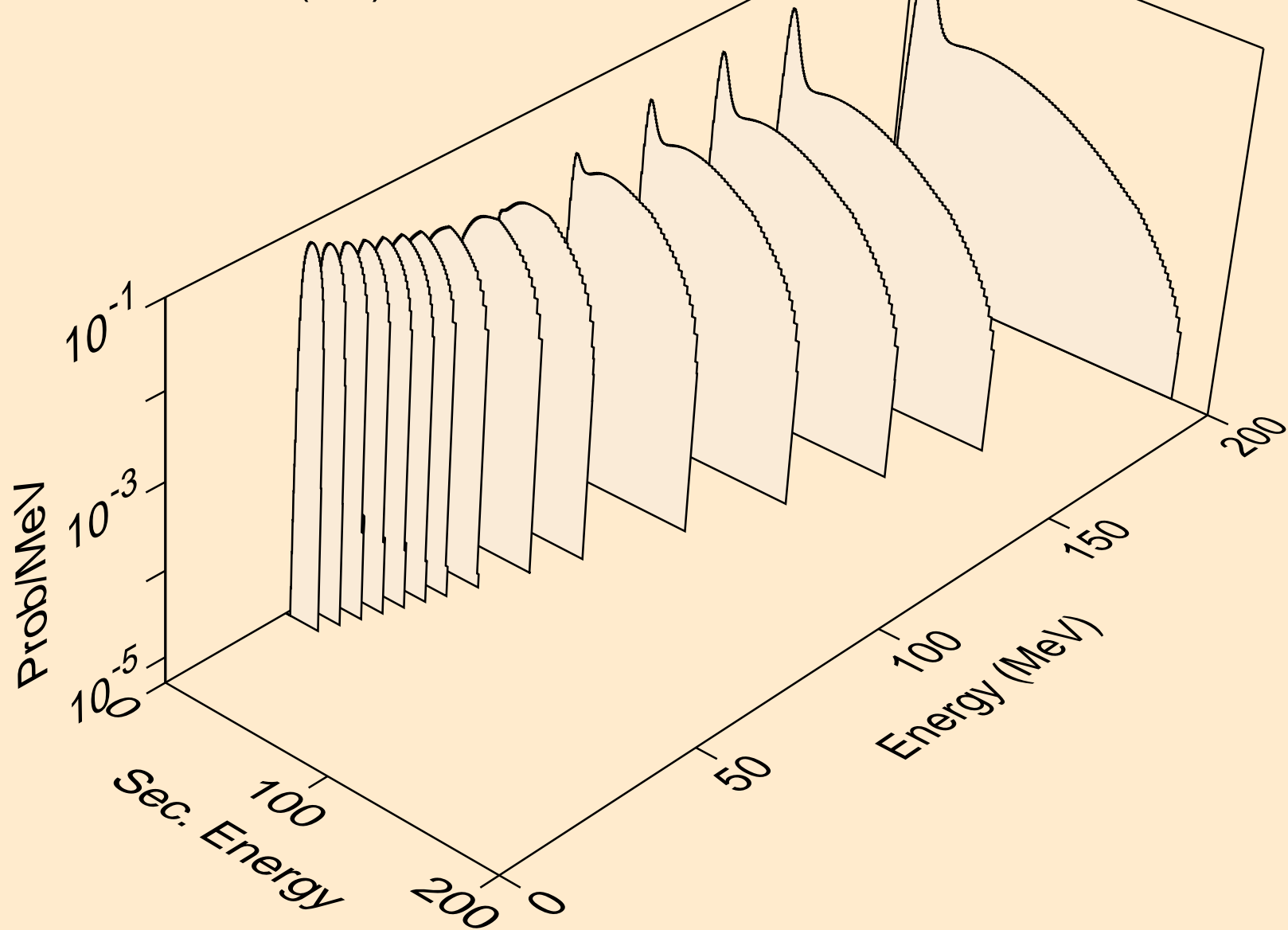
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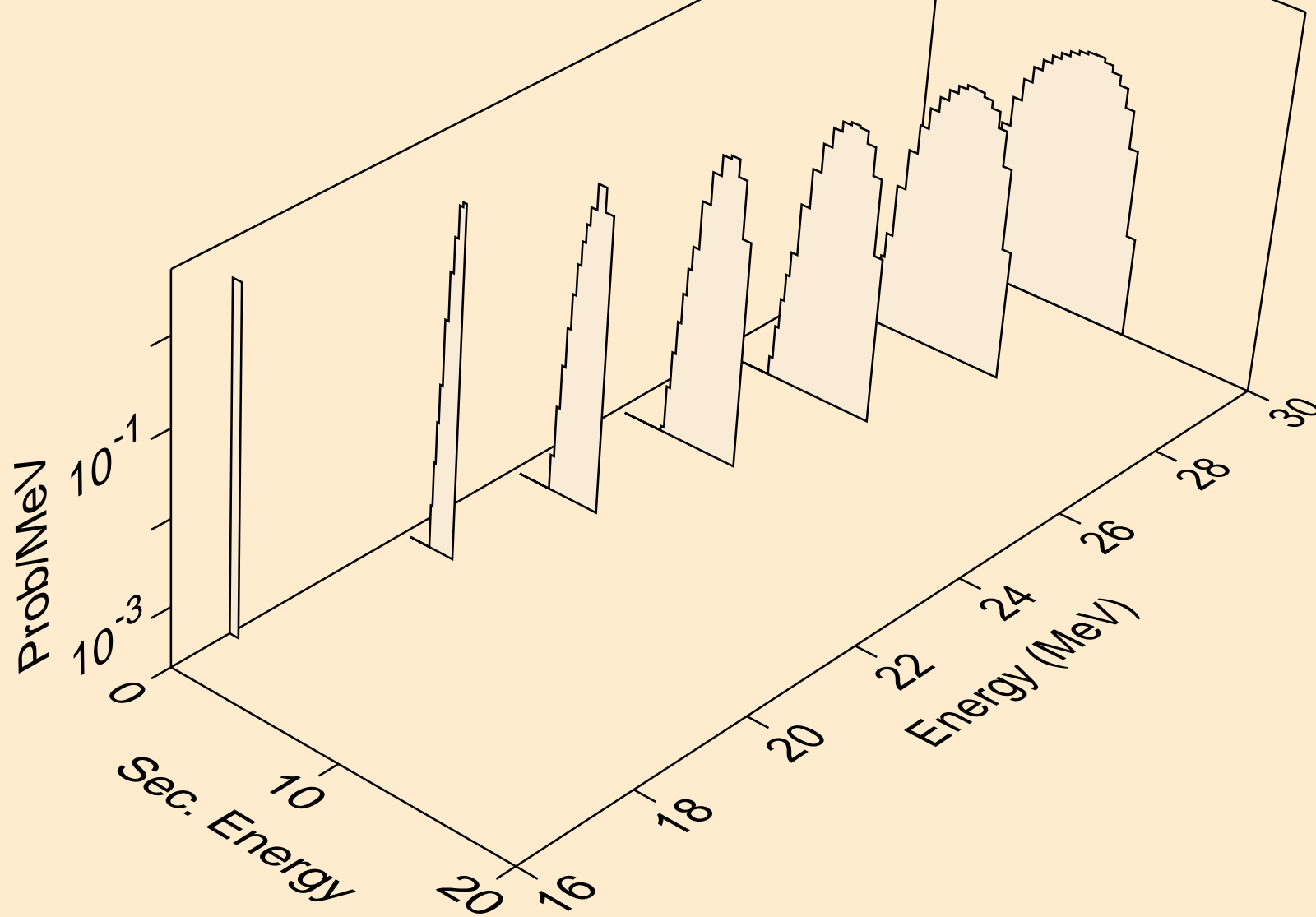
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deuterons from (n,da)



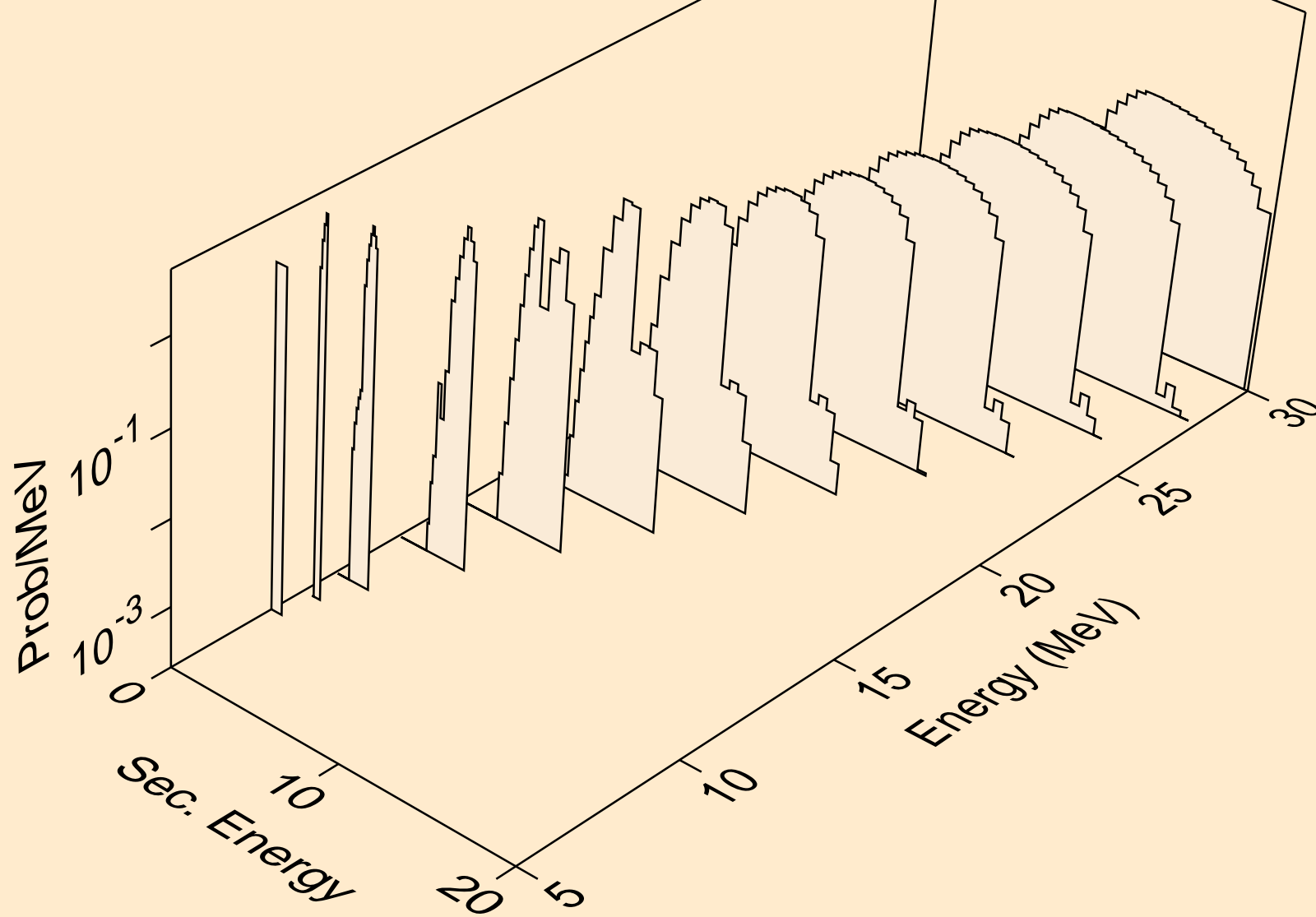
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)



Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t

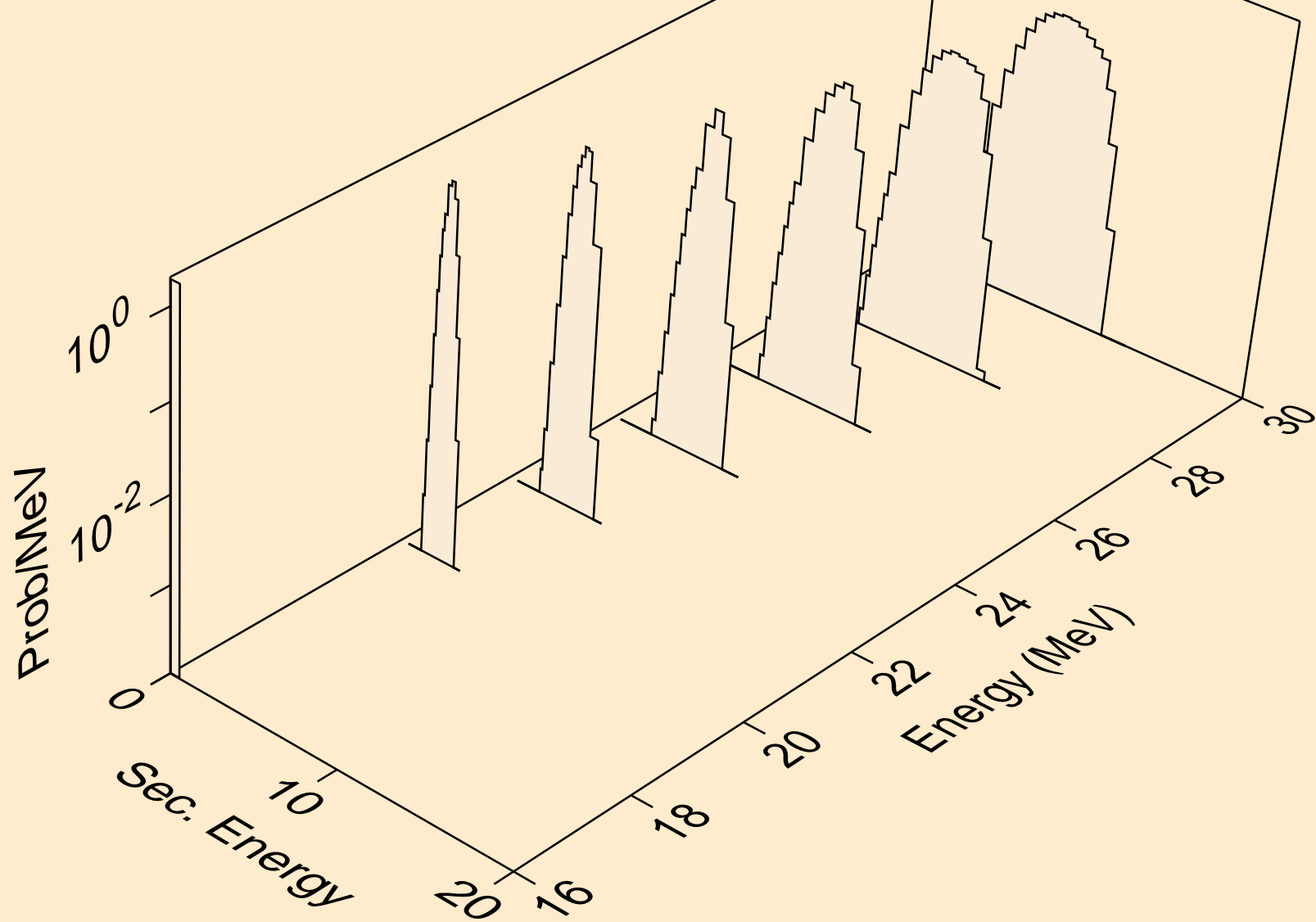


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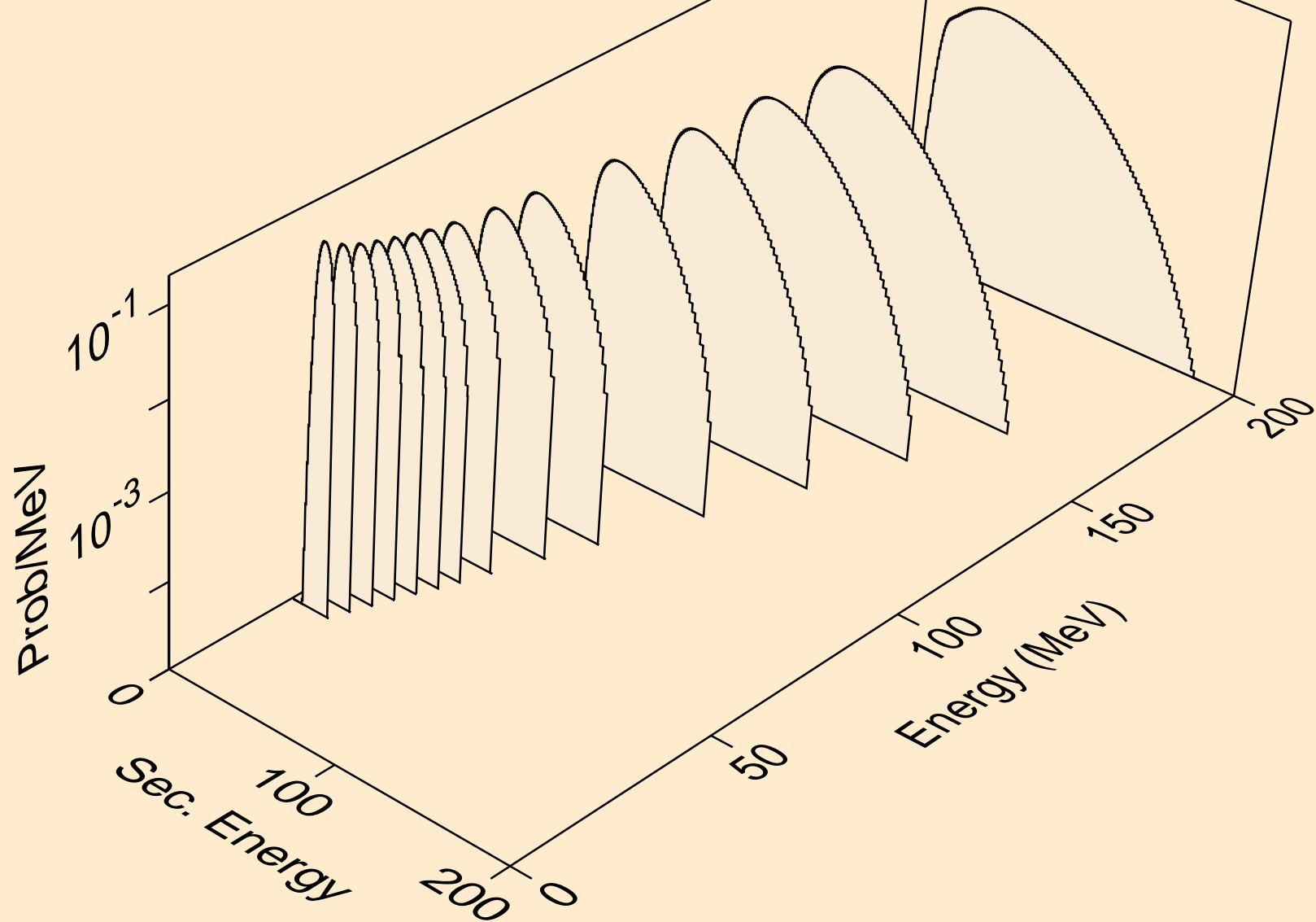




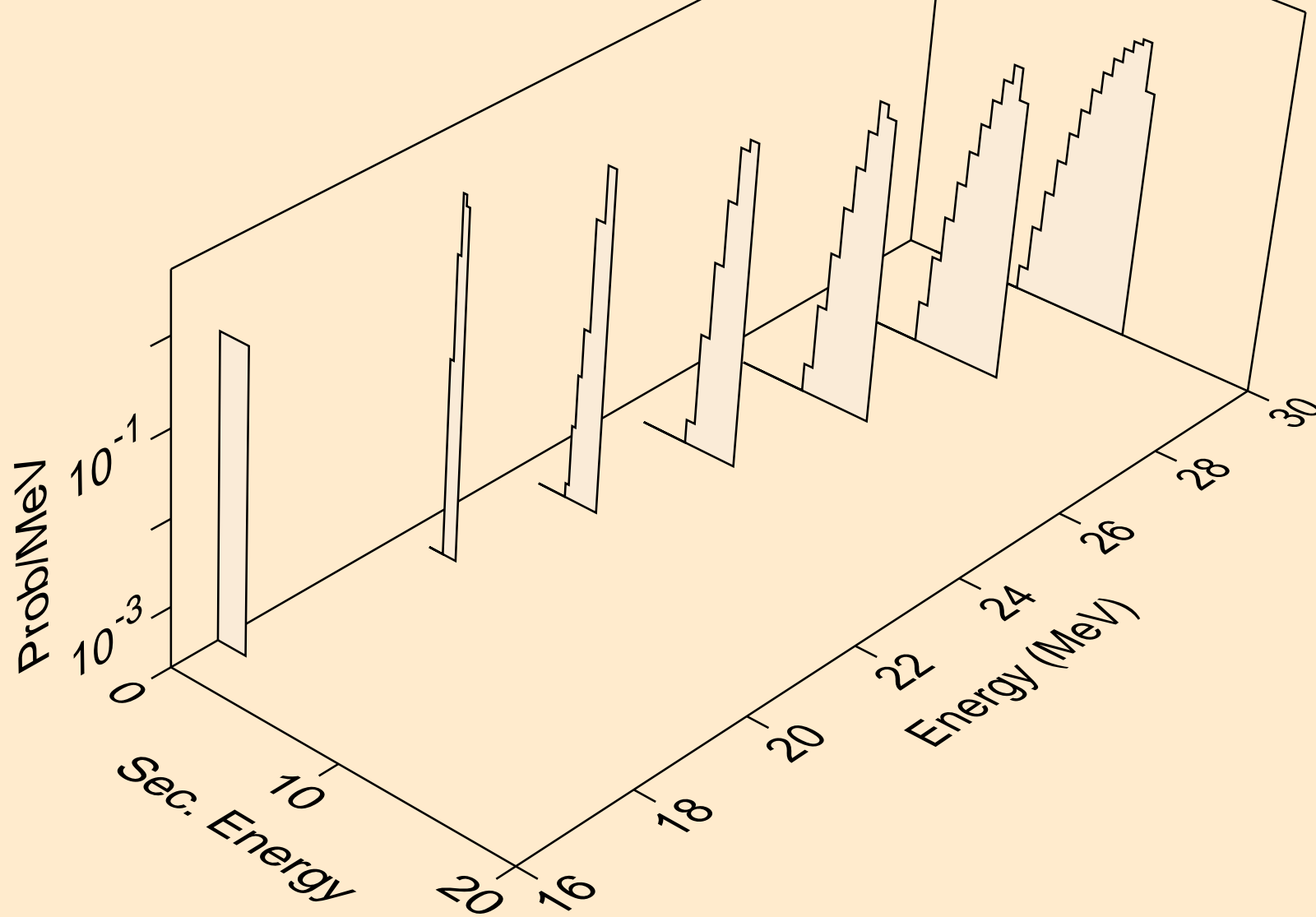
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tritons from (n,pt)



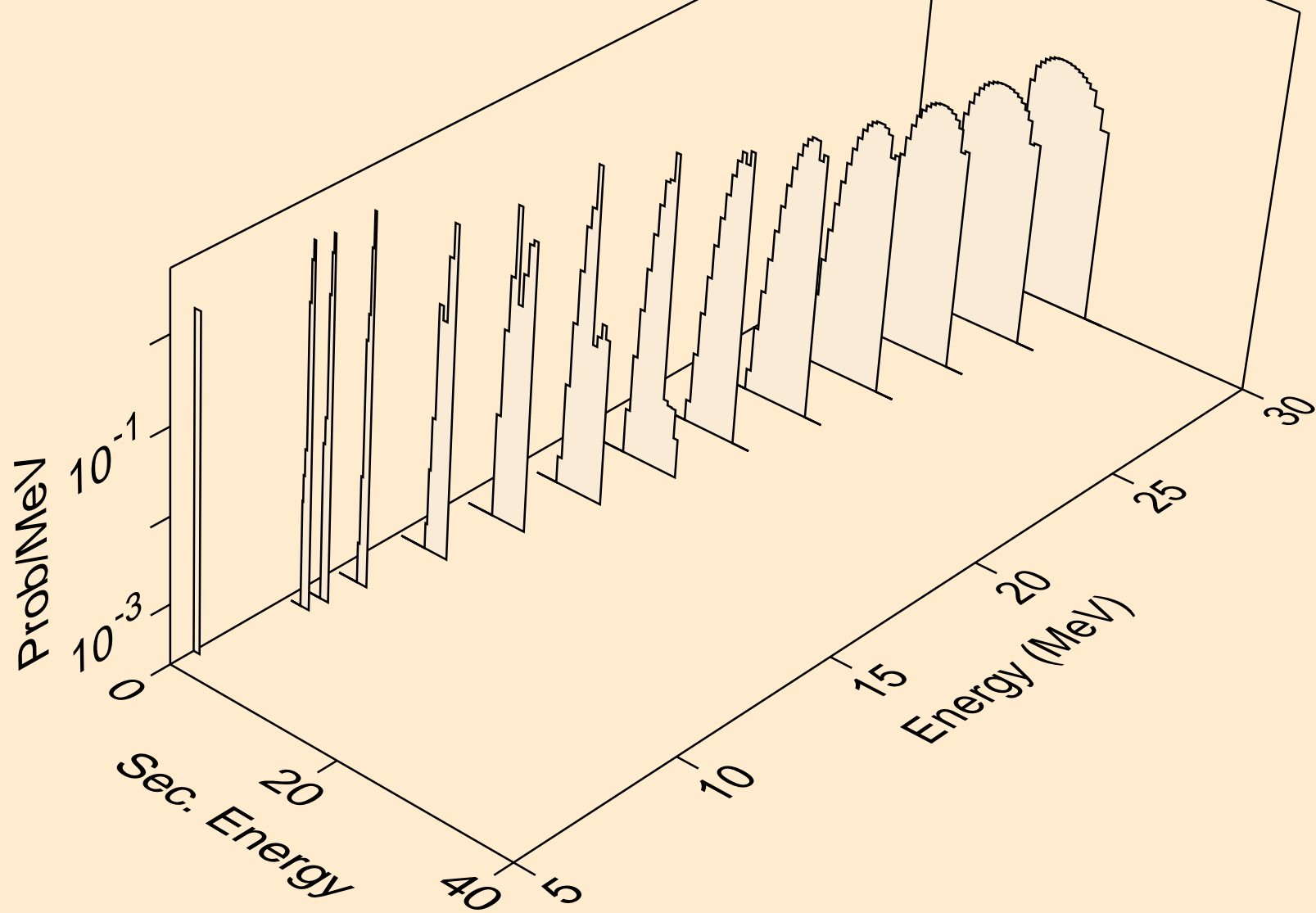
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he3s from (n,x)



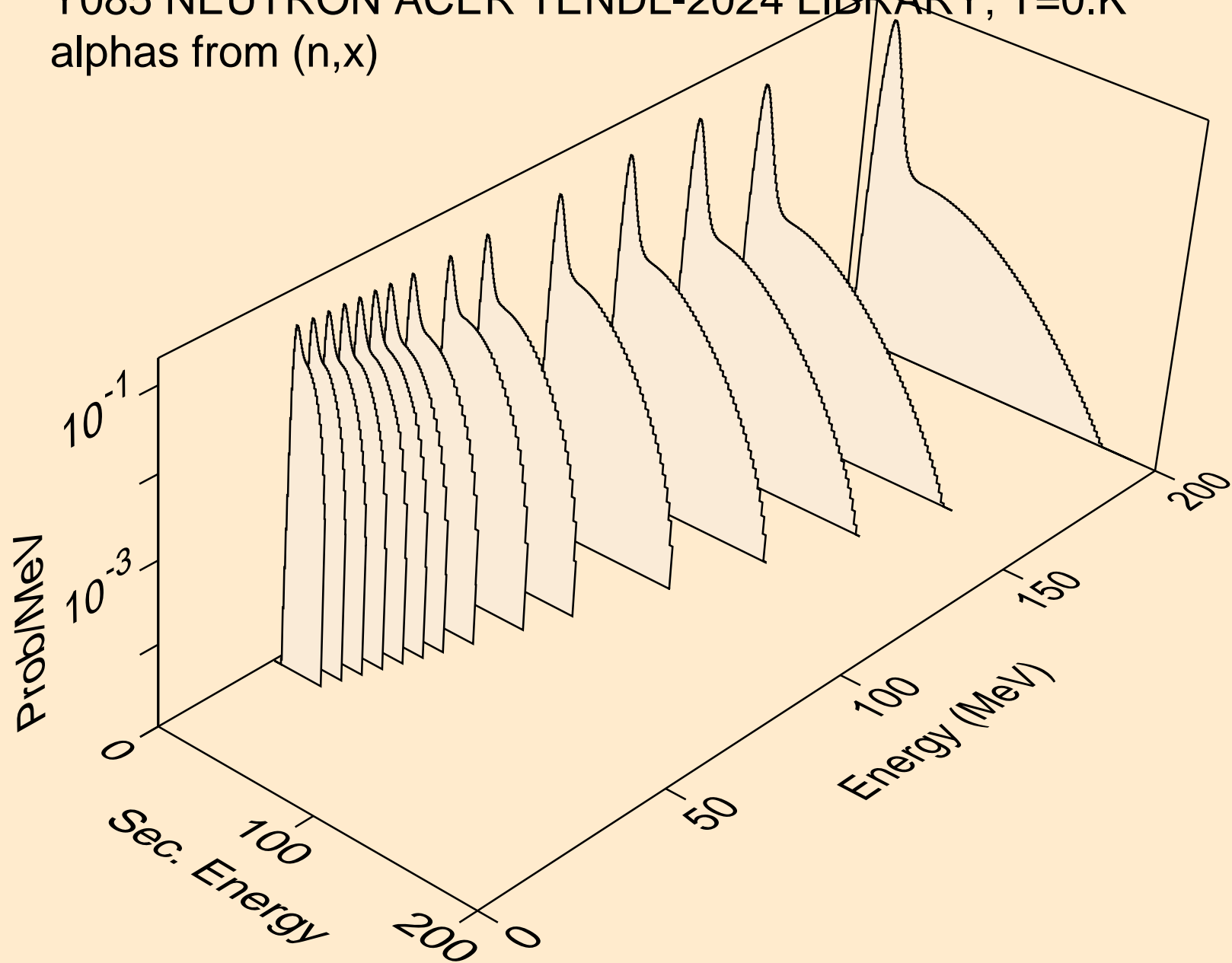
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he3s from (n,n\*)he3



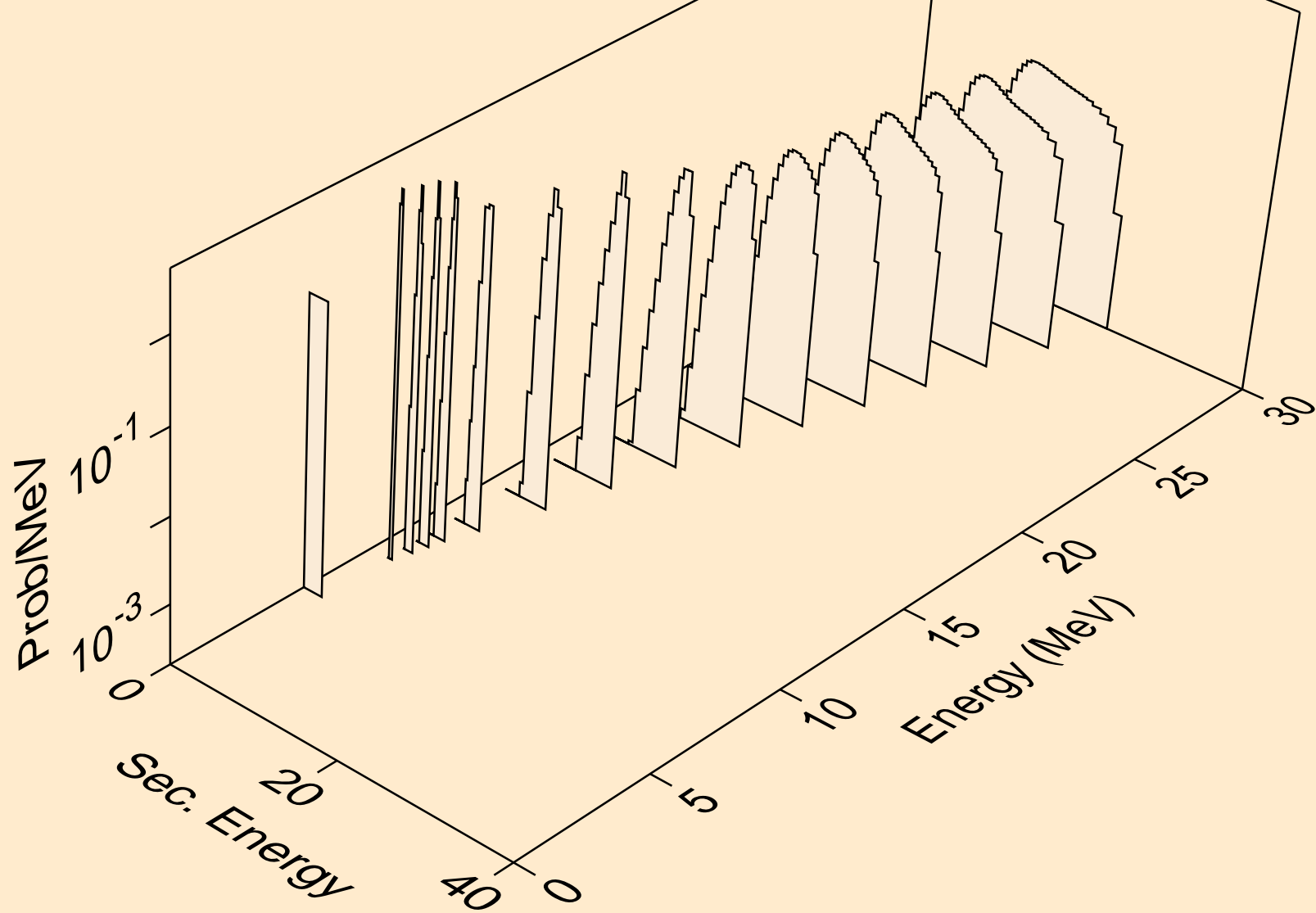
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he3s from (n,he3)



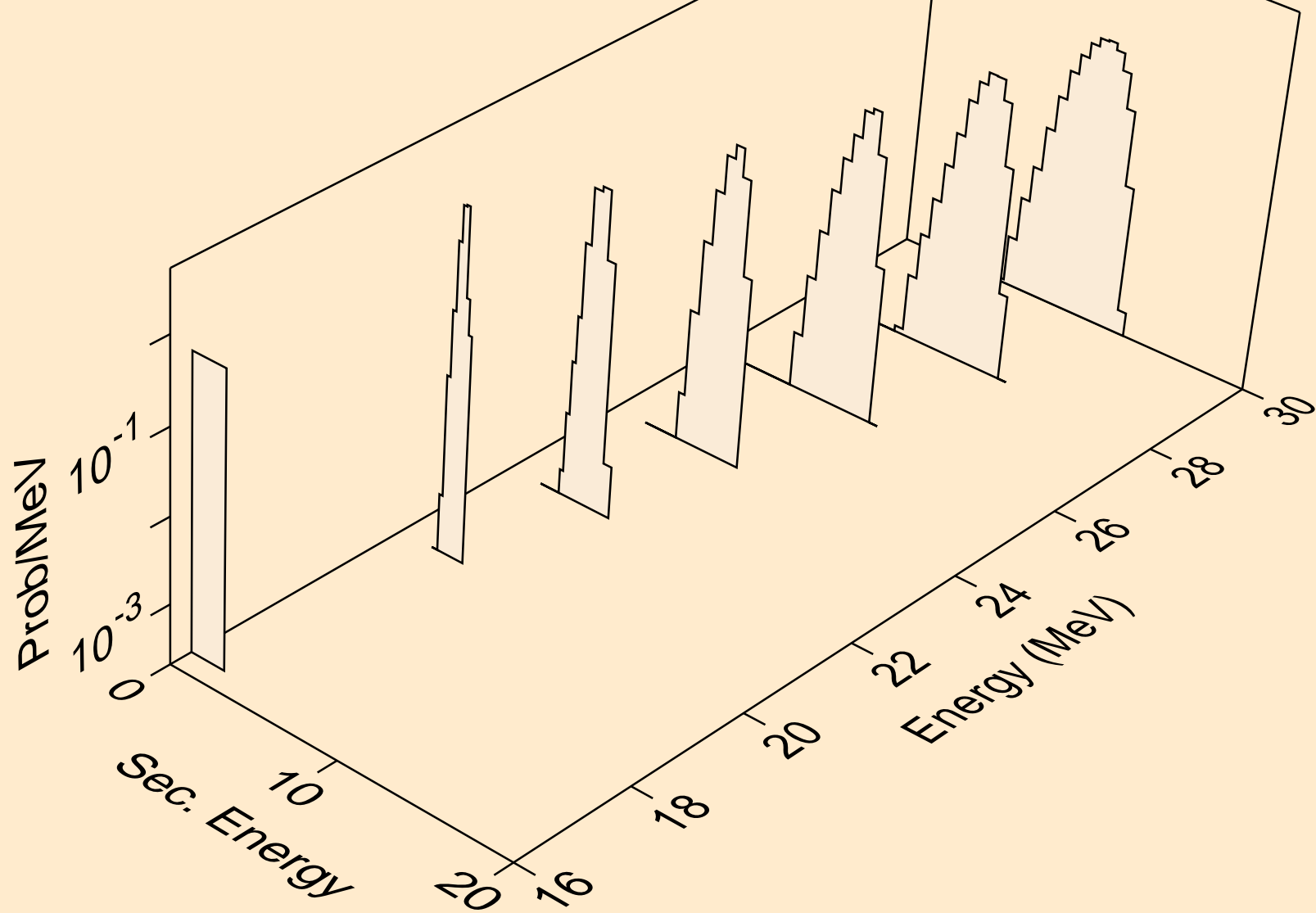
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alphas from (n,x)



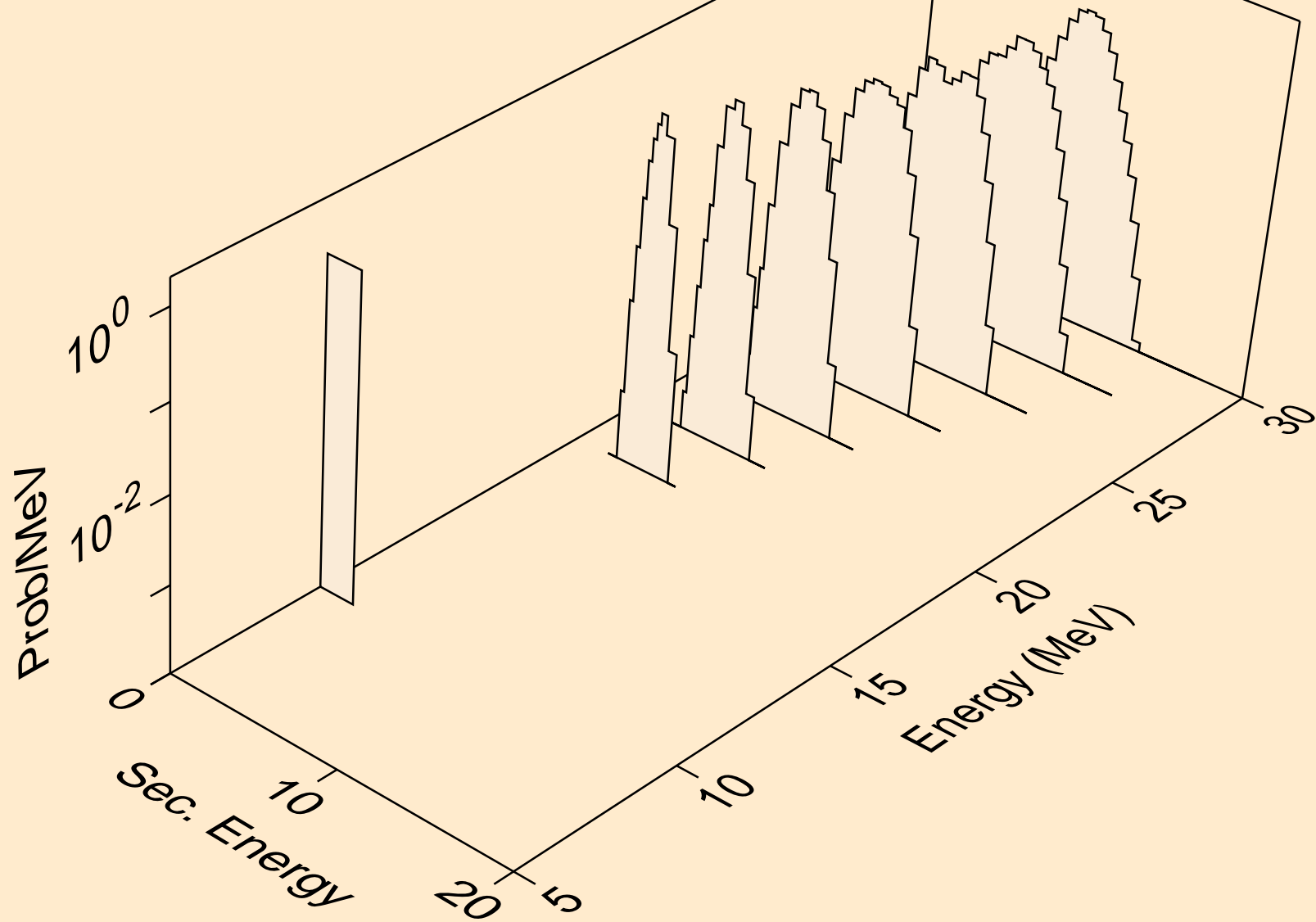
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a

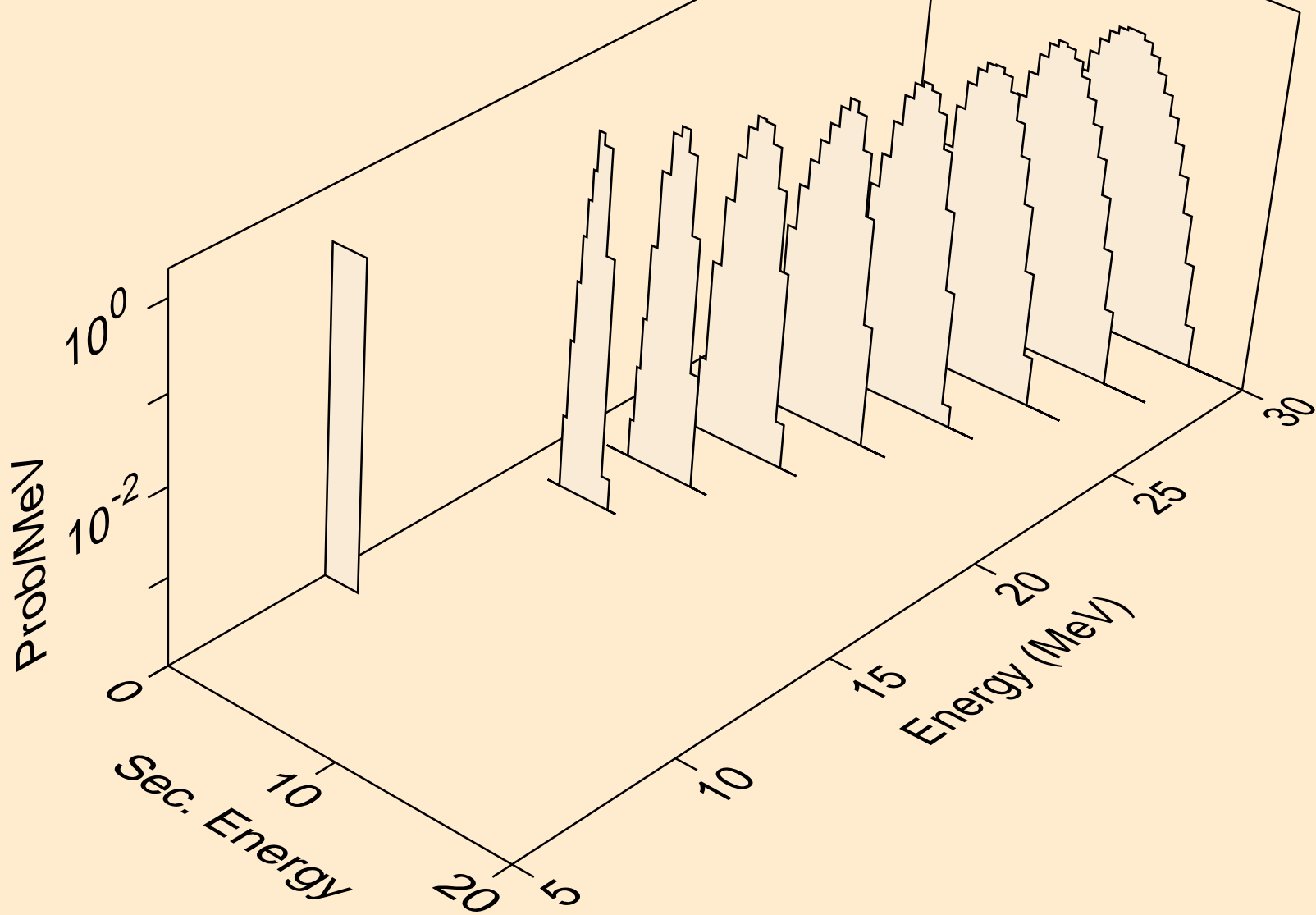


Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)2a

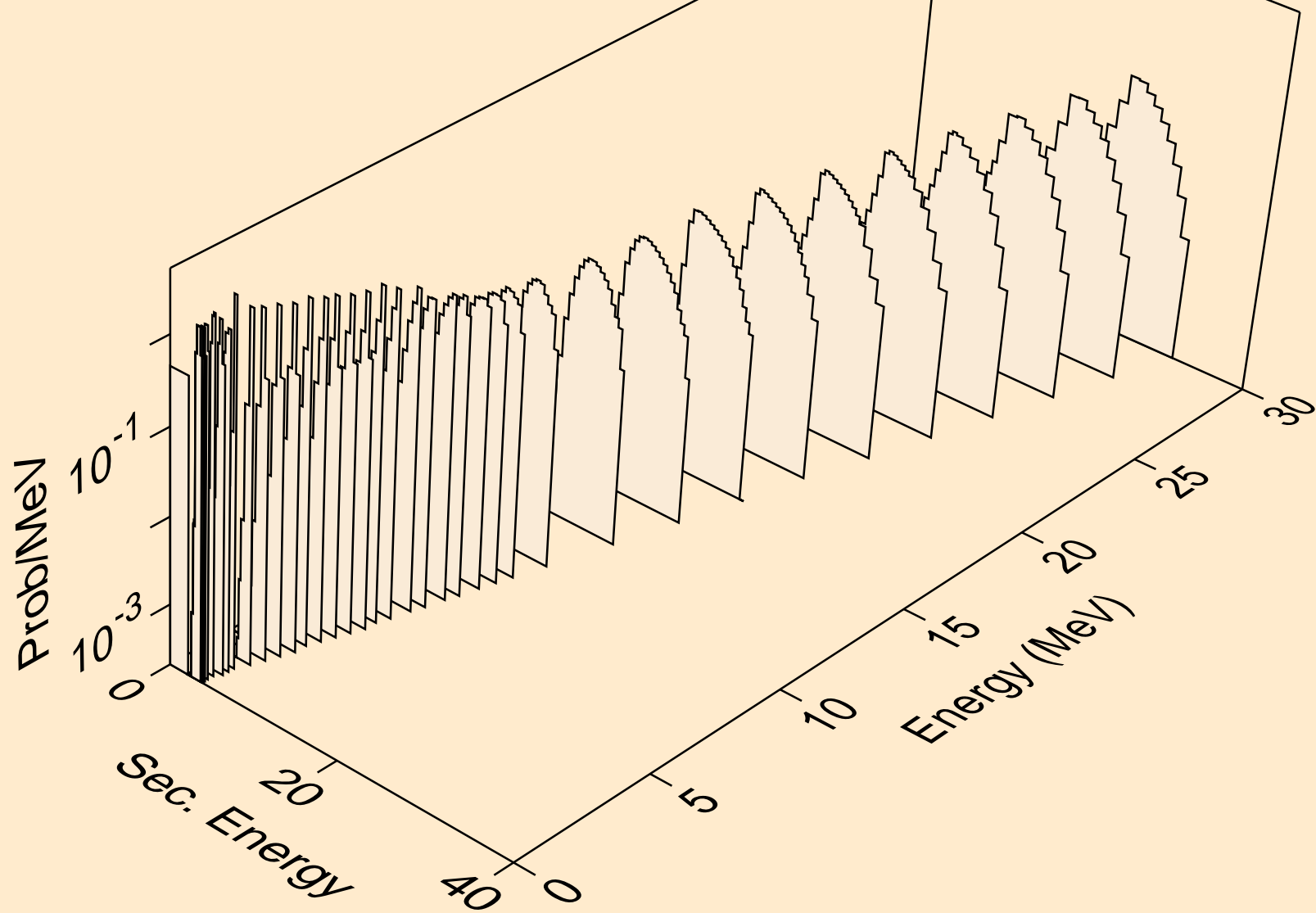




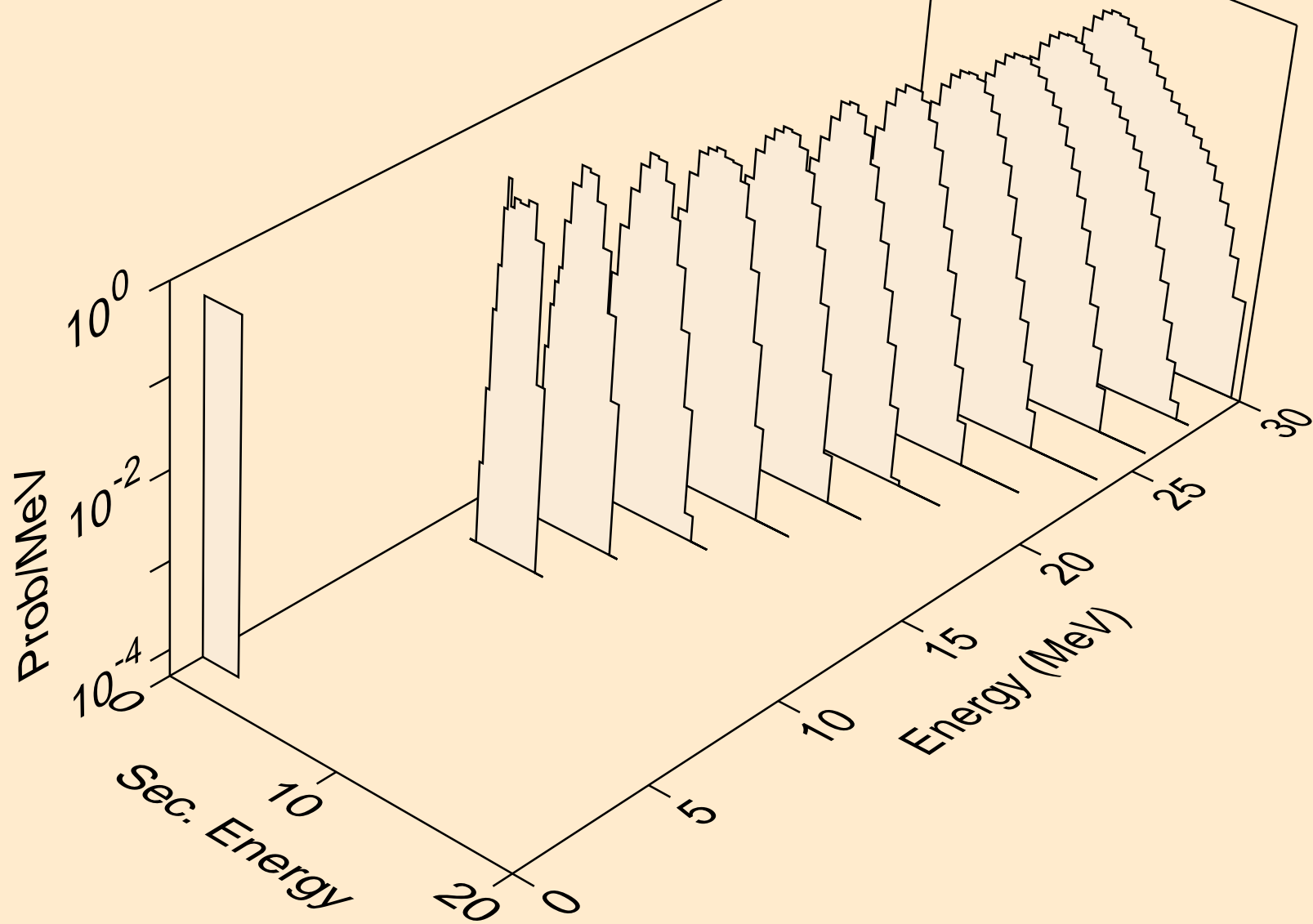
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)



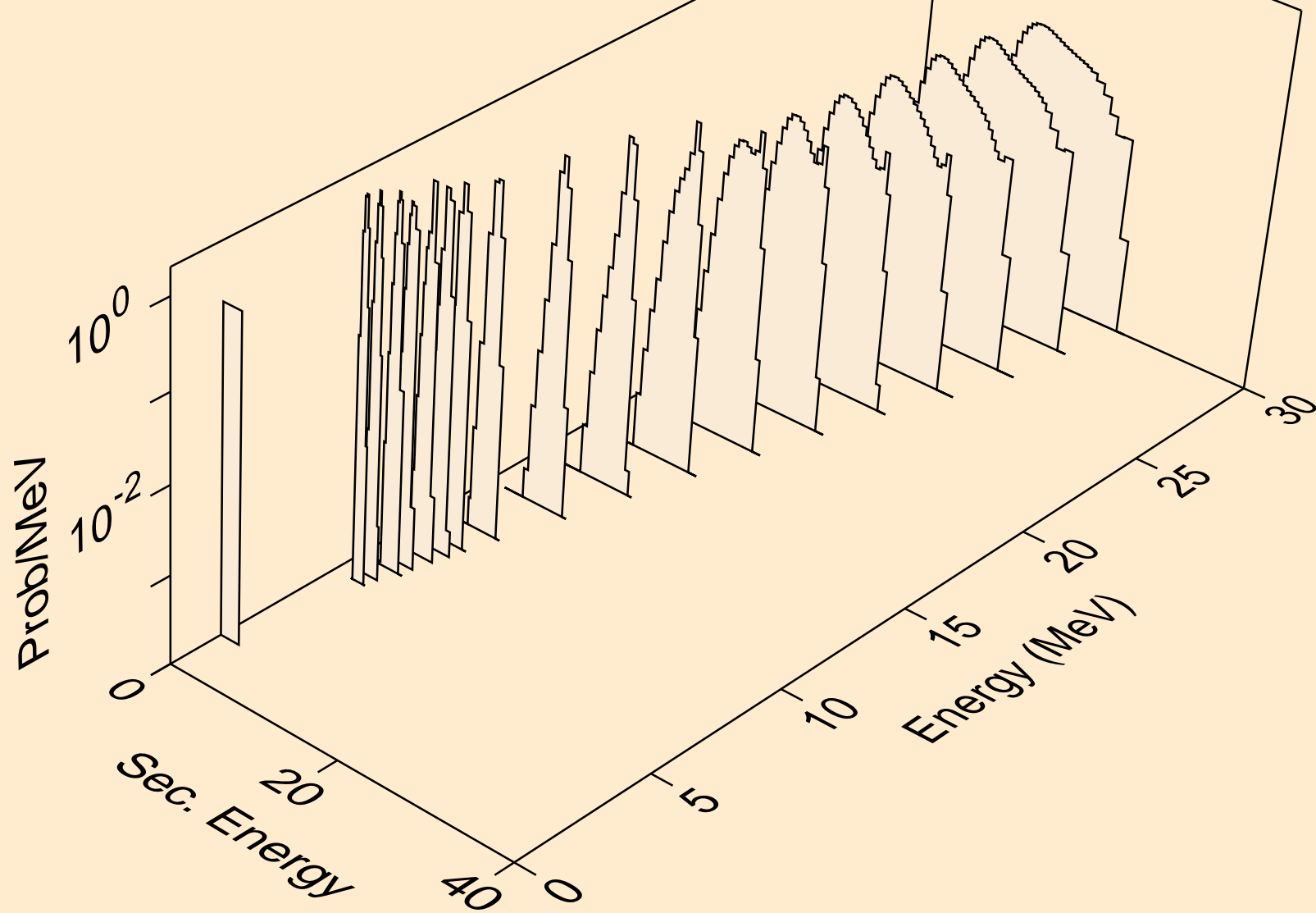
Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



Y085 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

