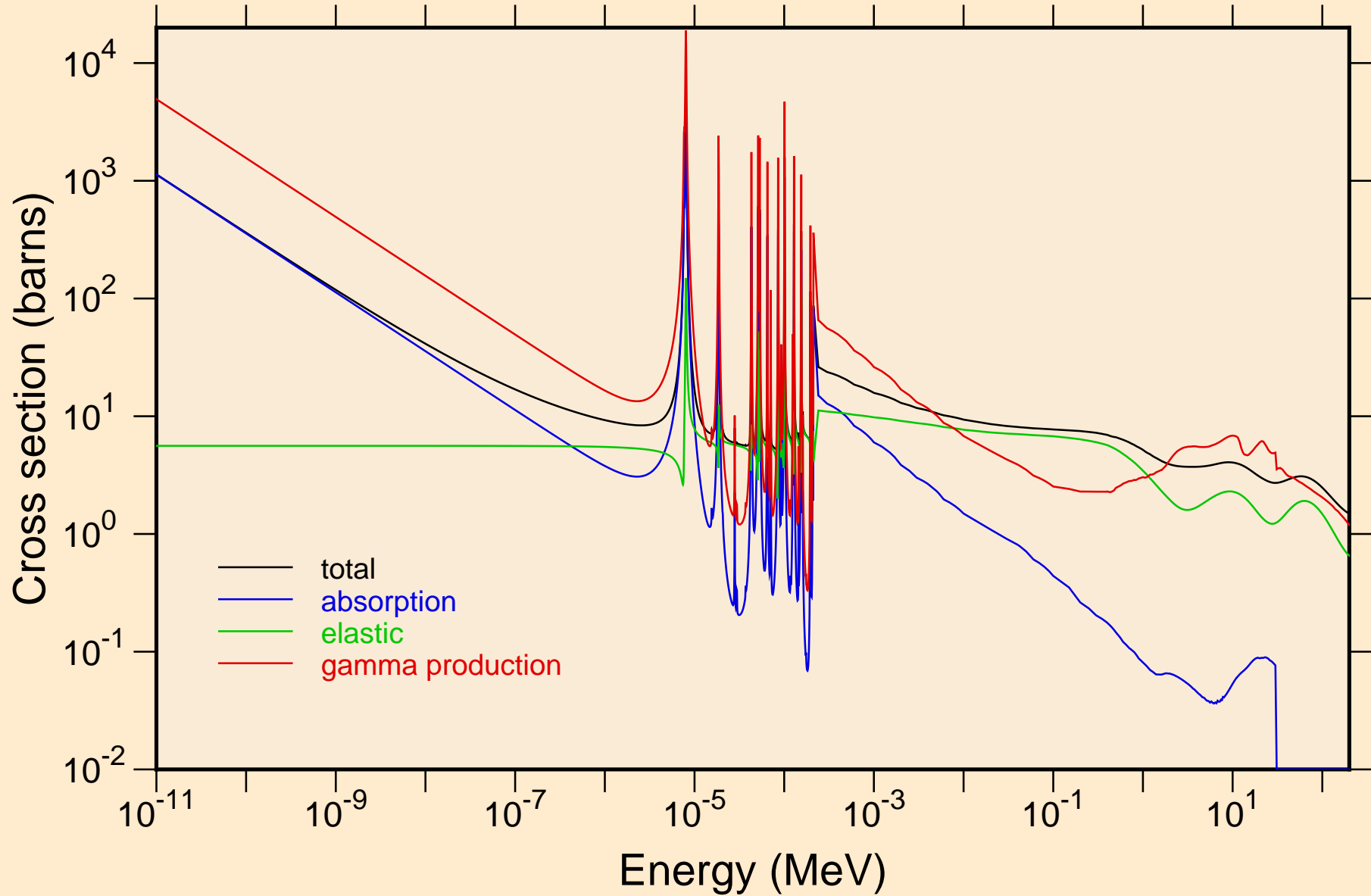
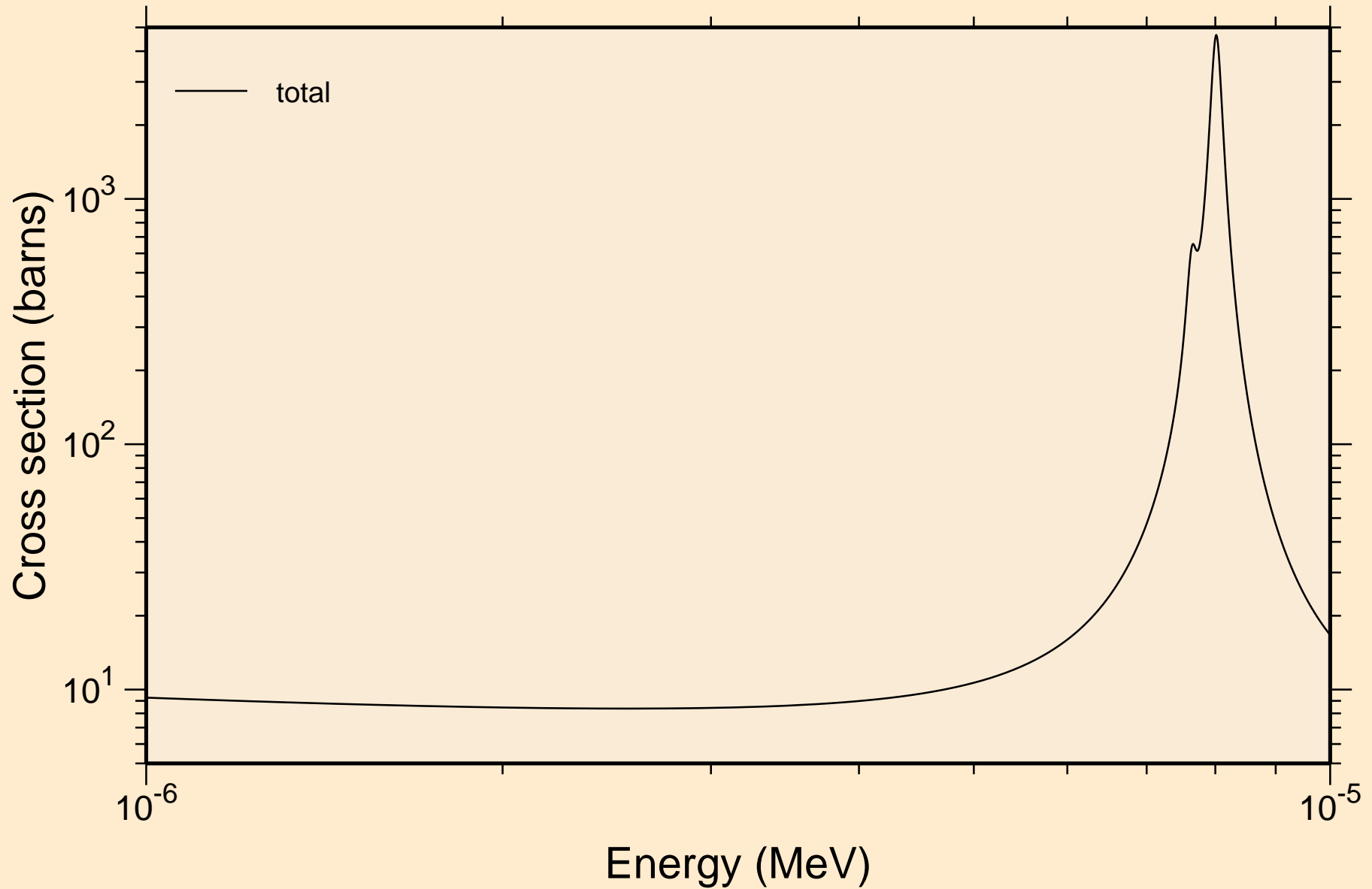


# RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

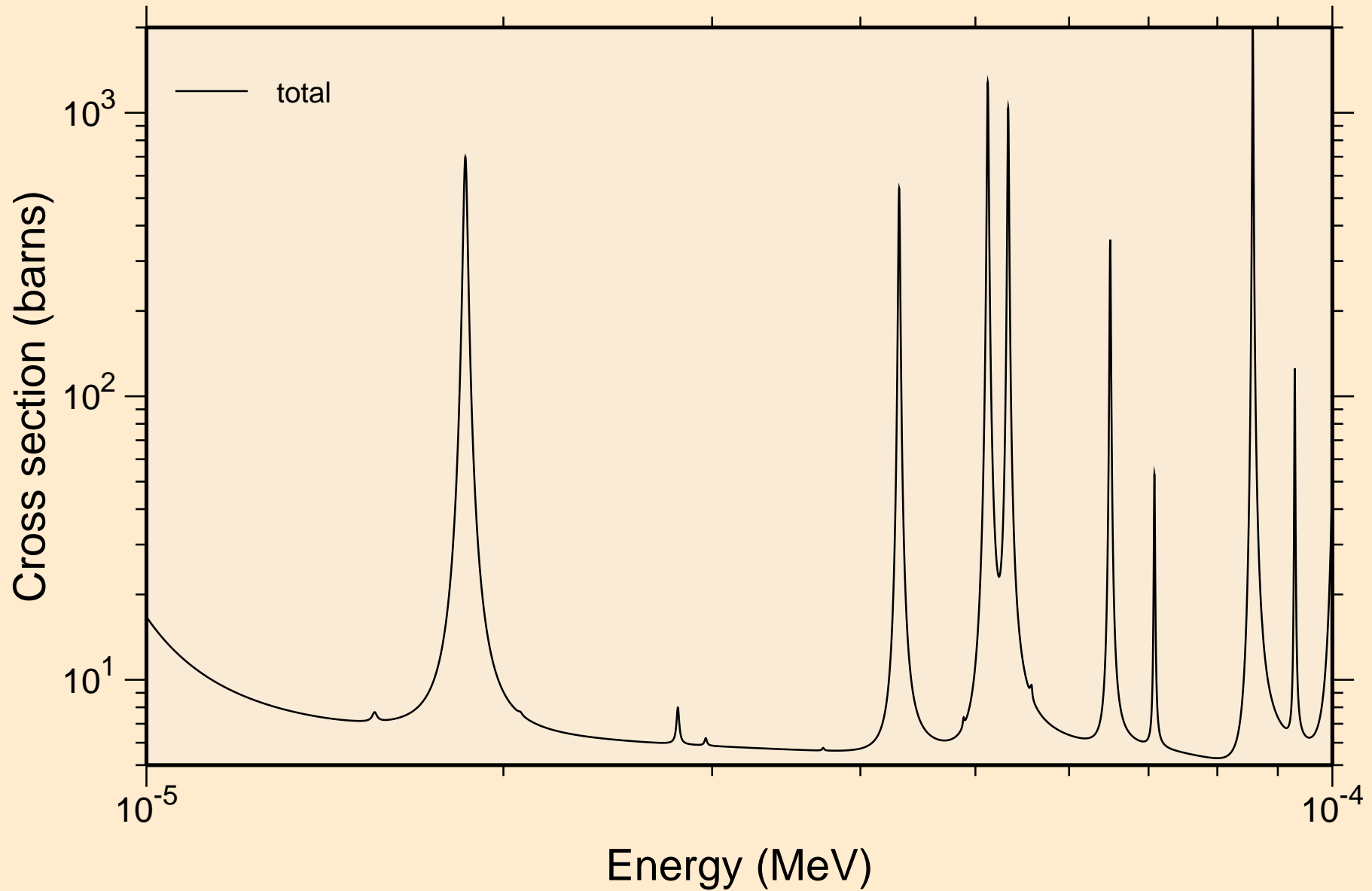
## Principal cross sections



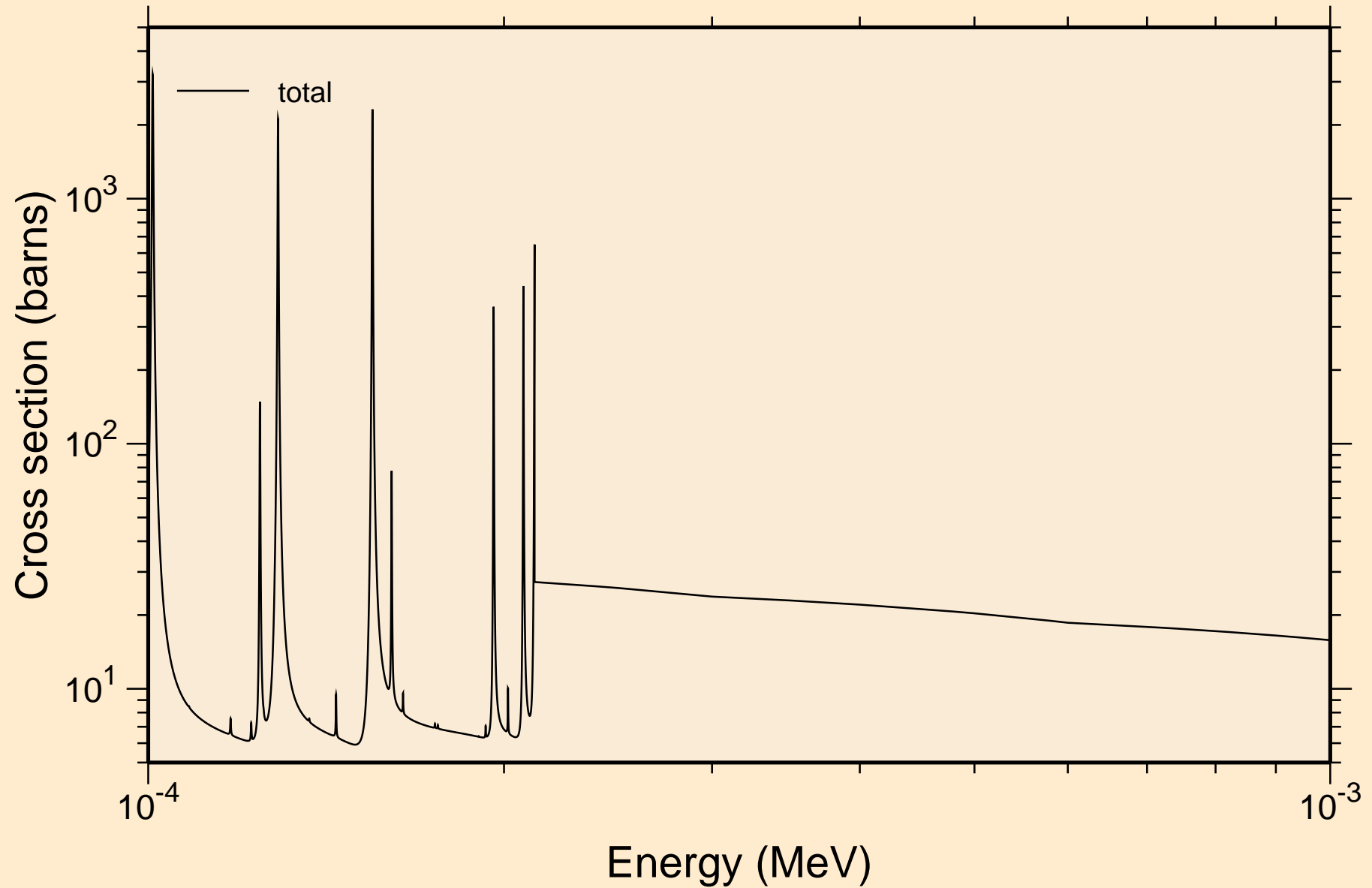
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



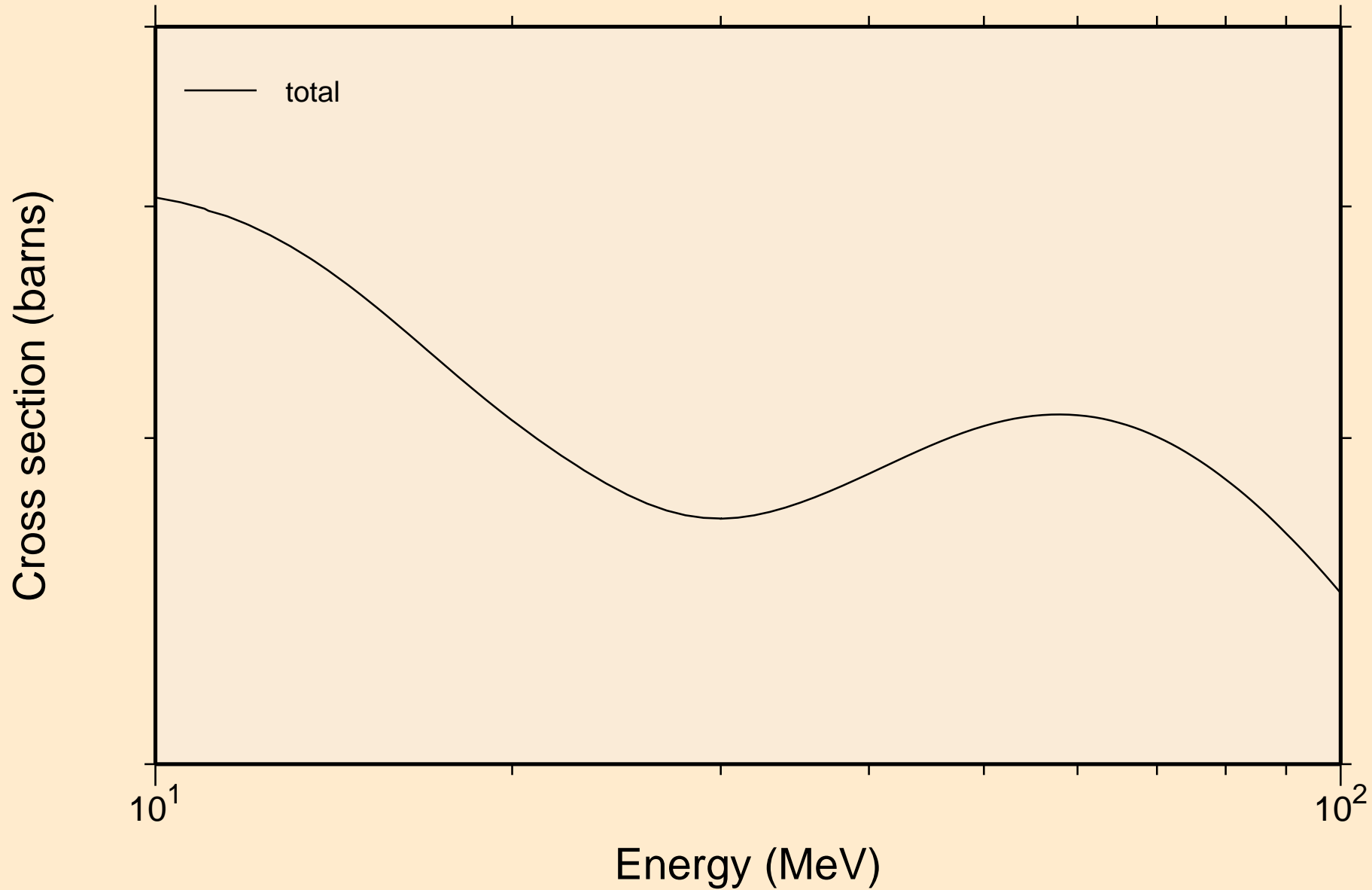
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



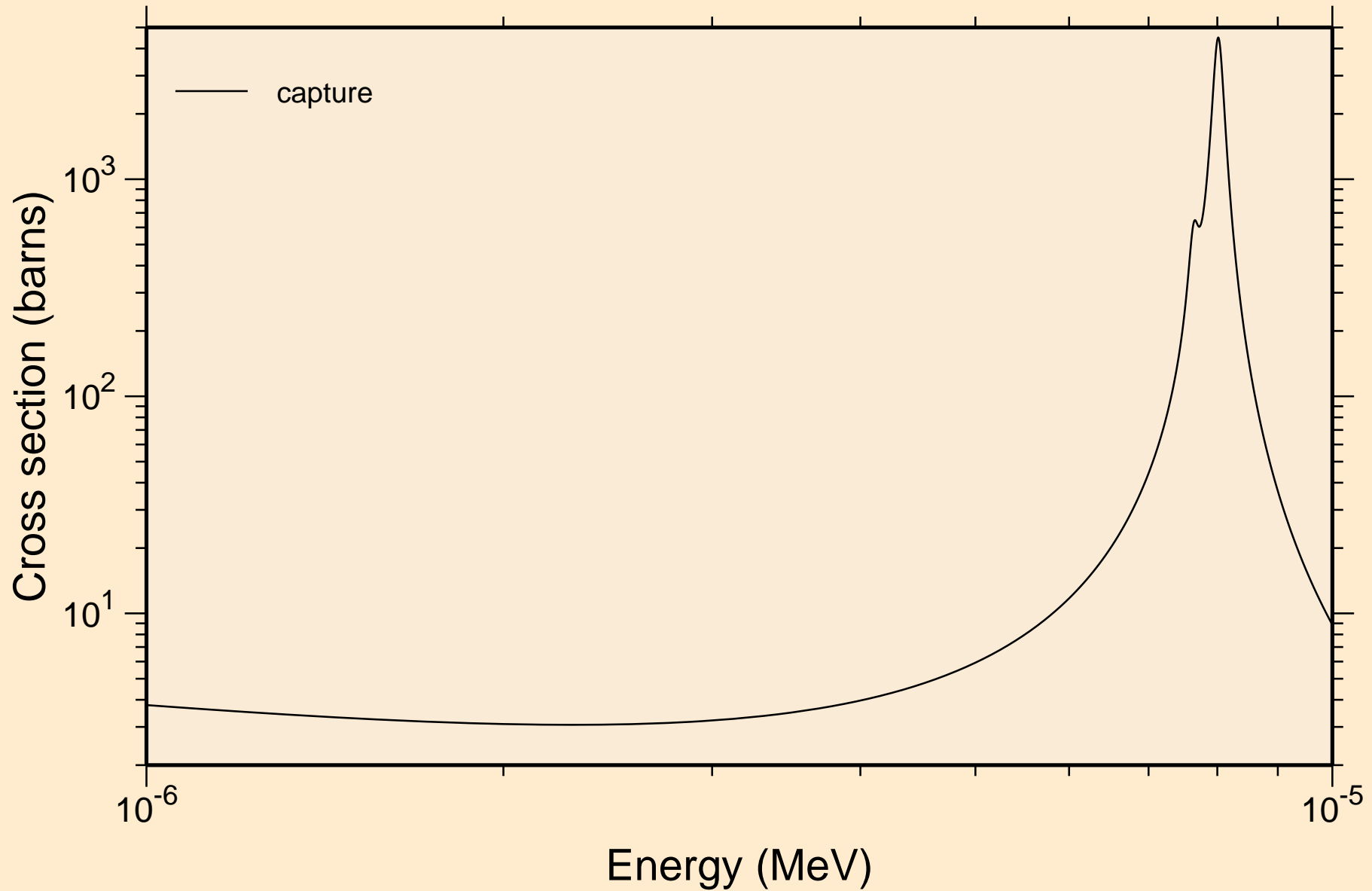
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



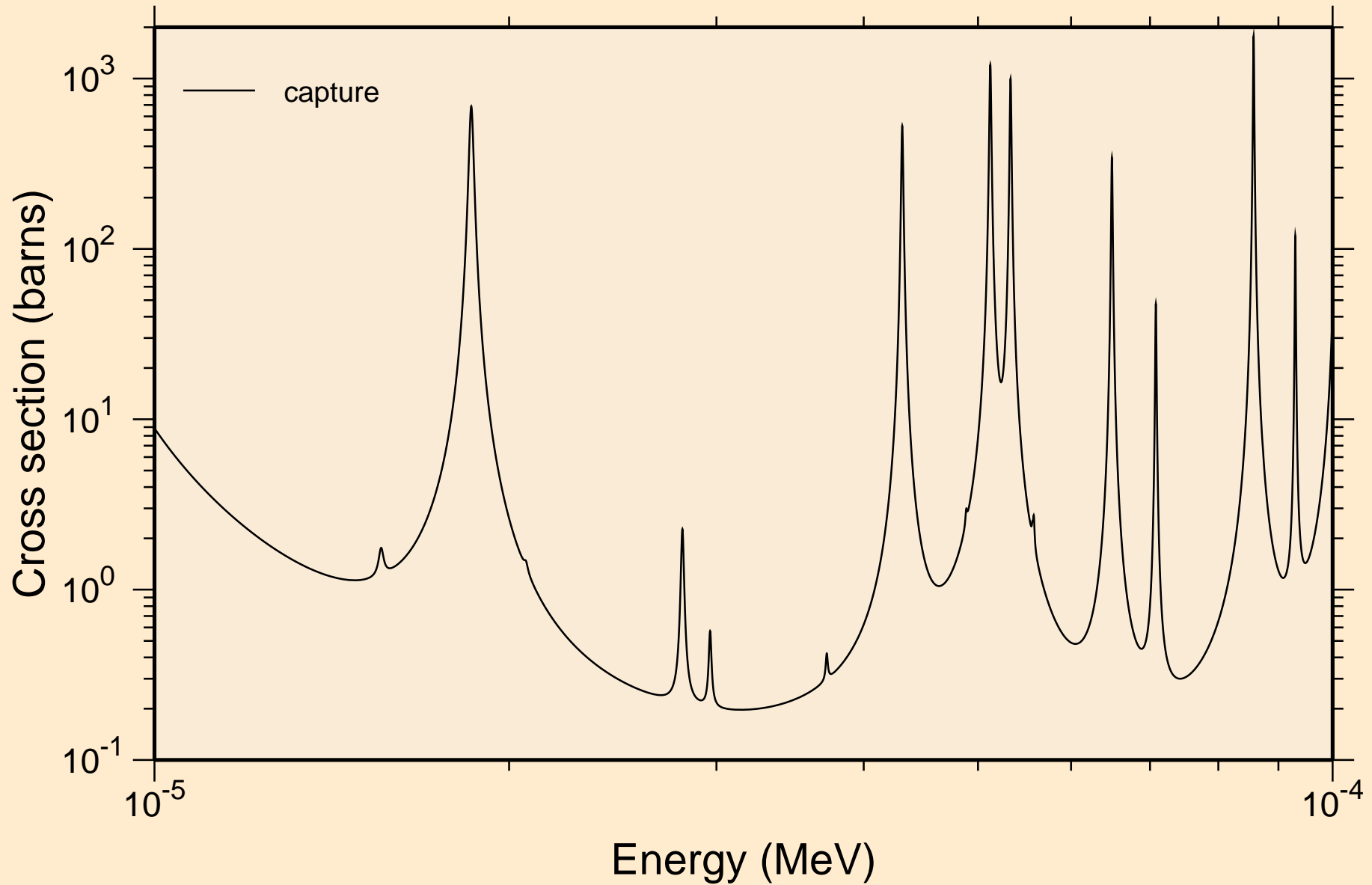
R̄B083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



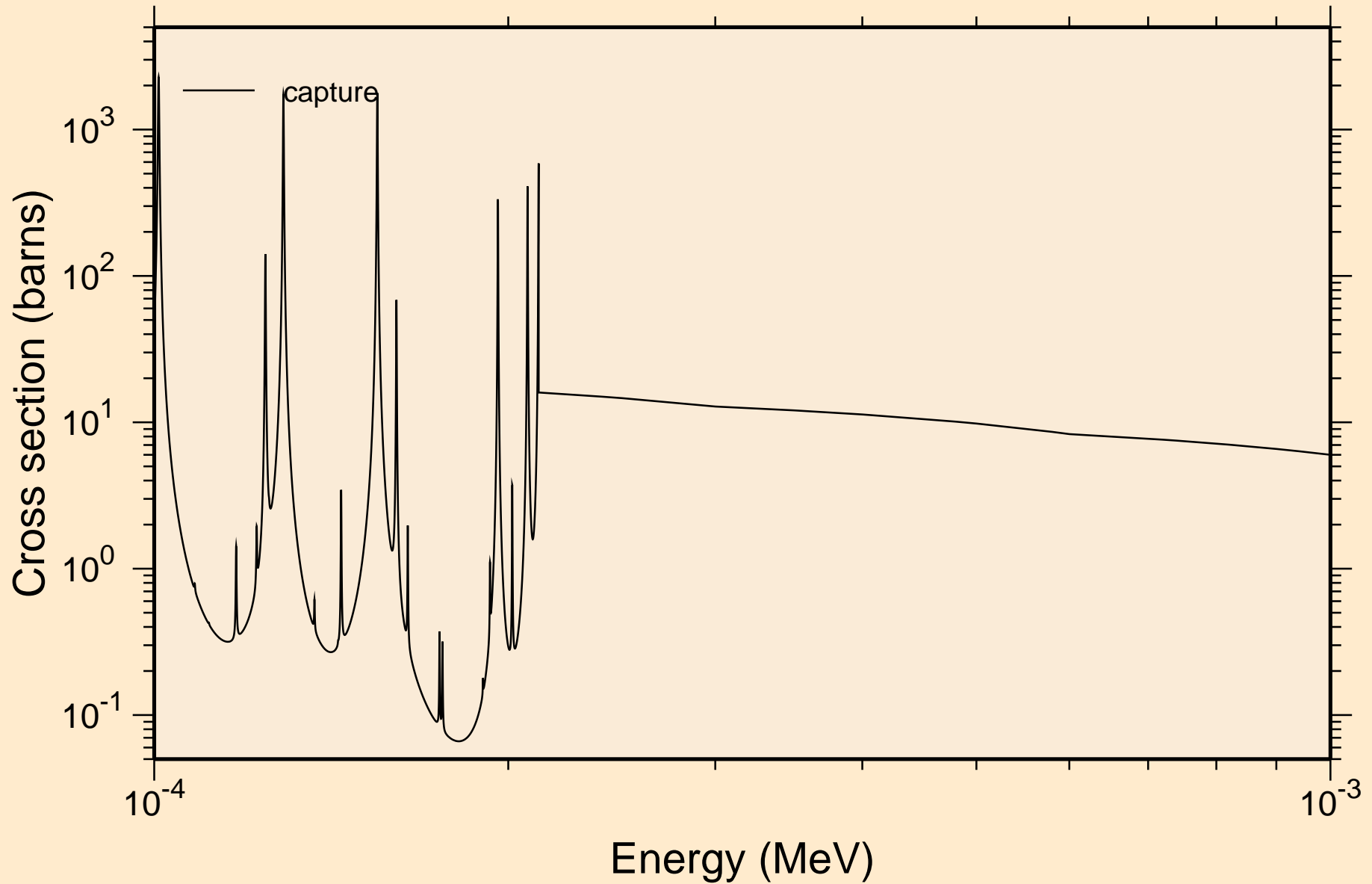
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

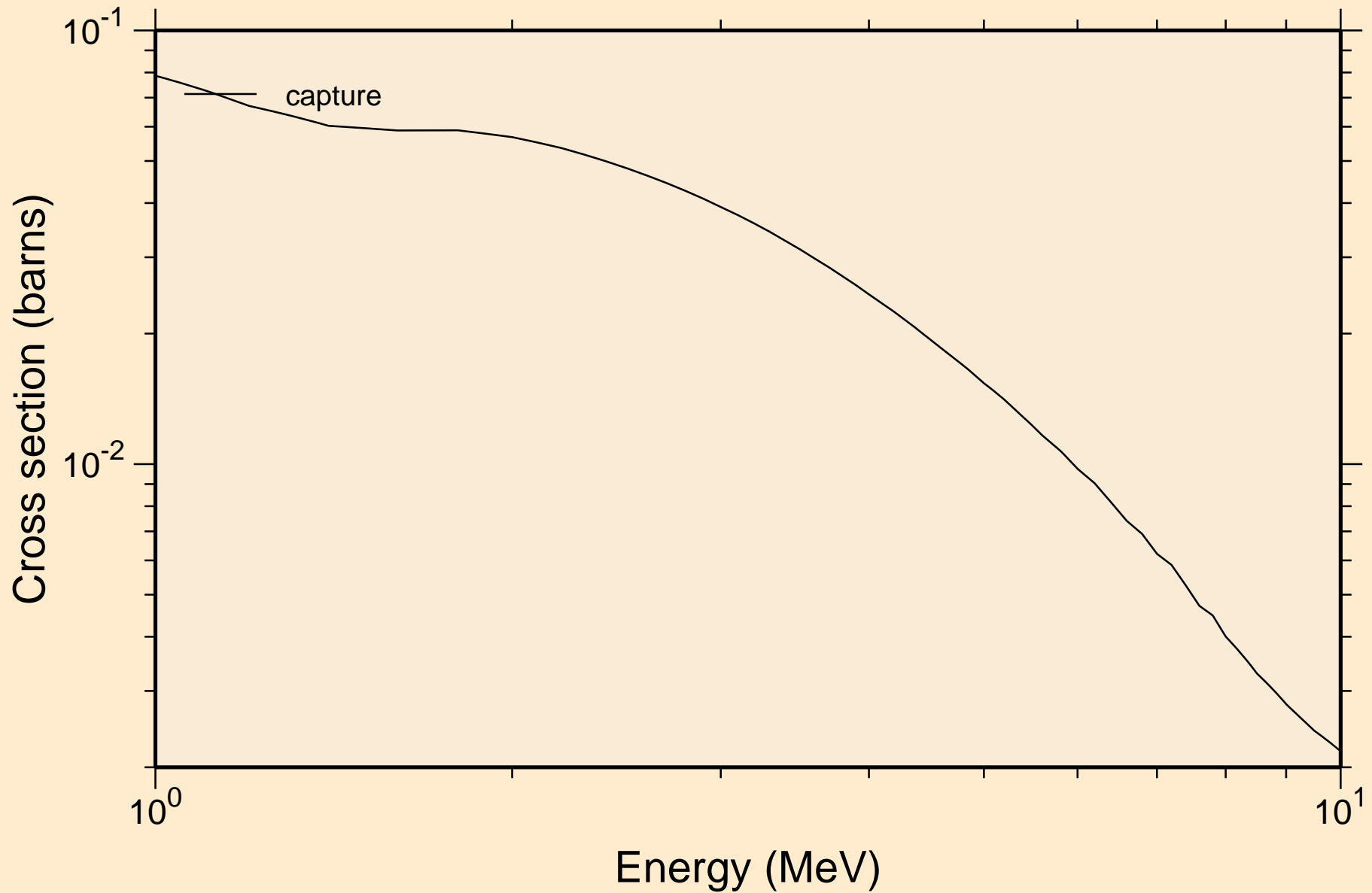


RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

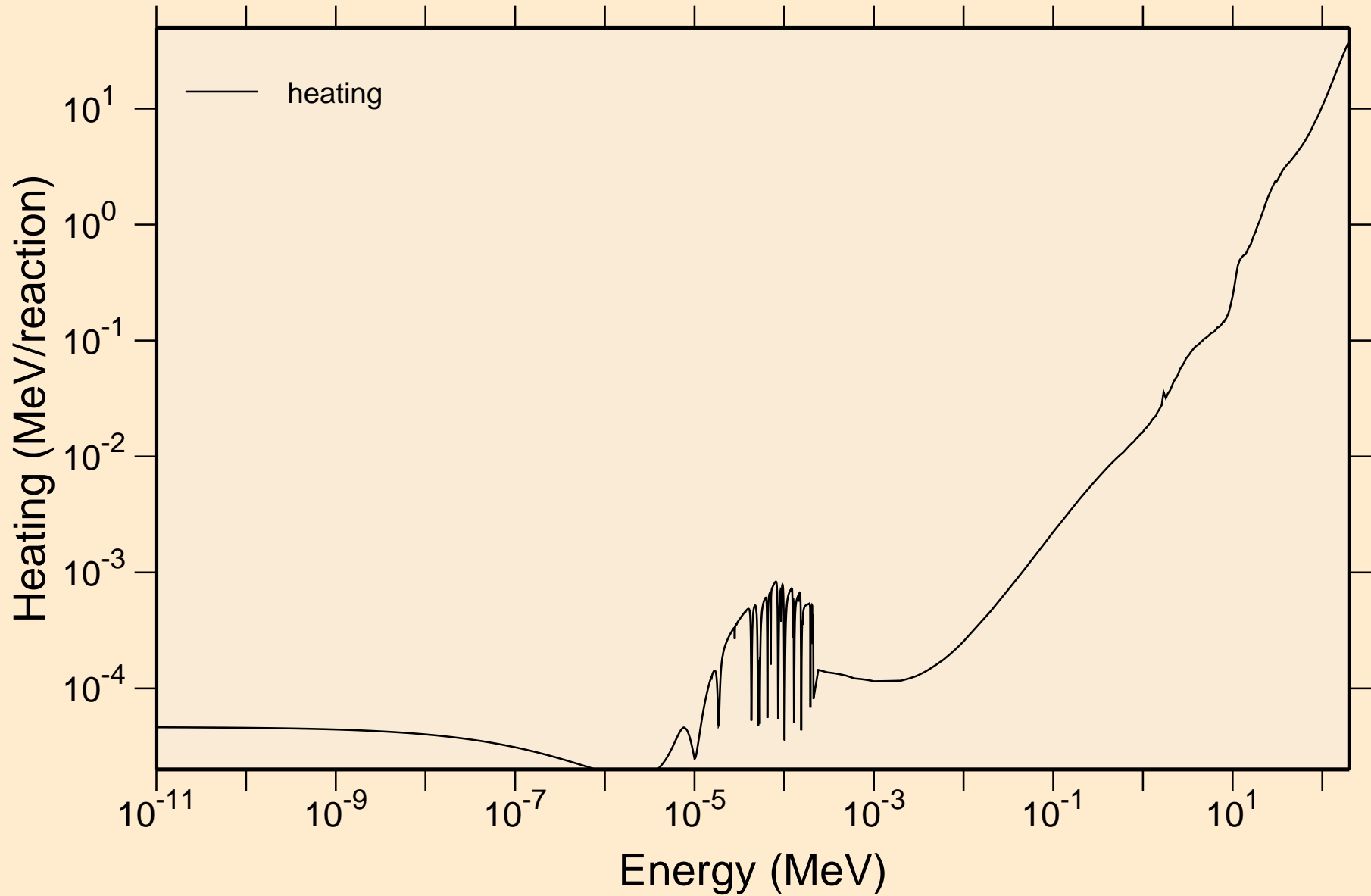




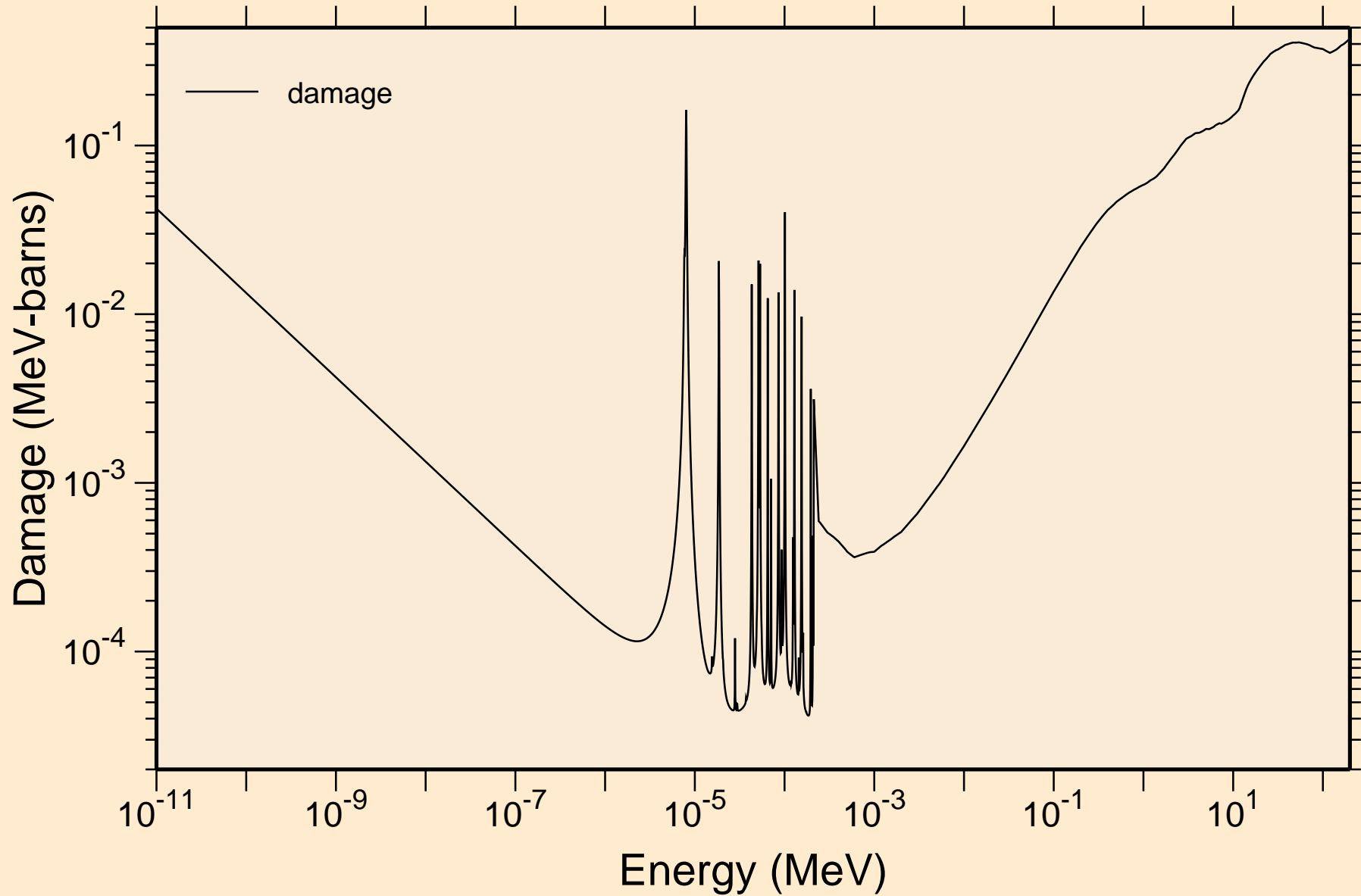
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



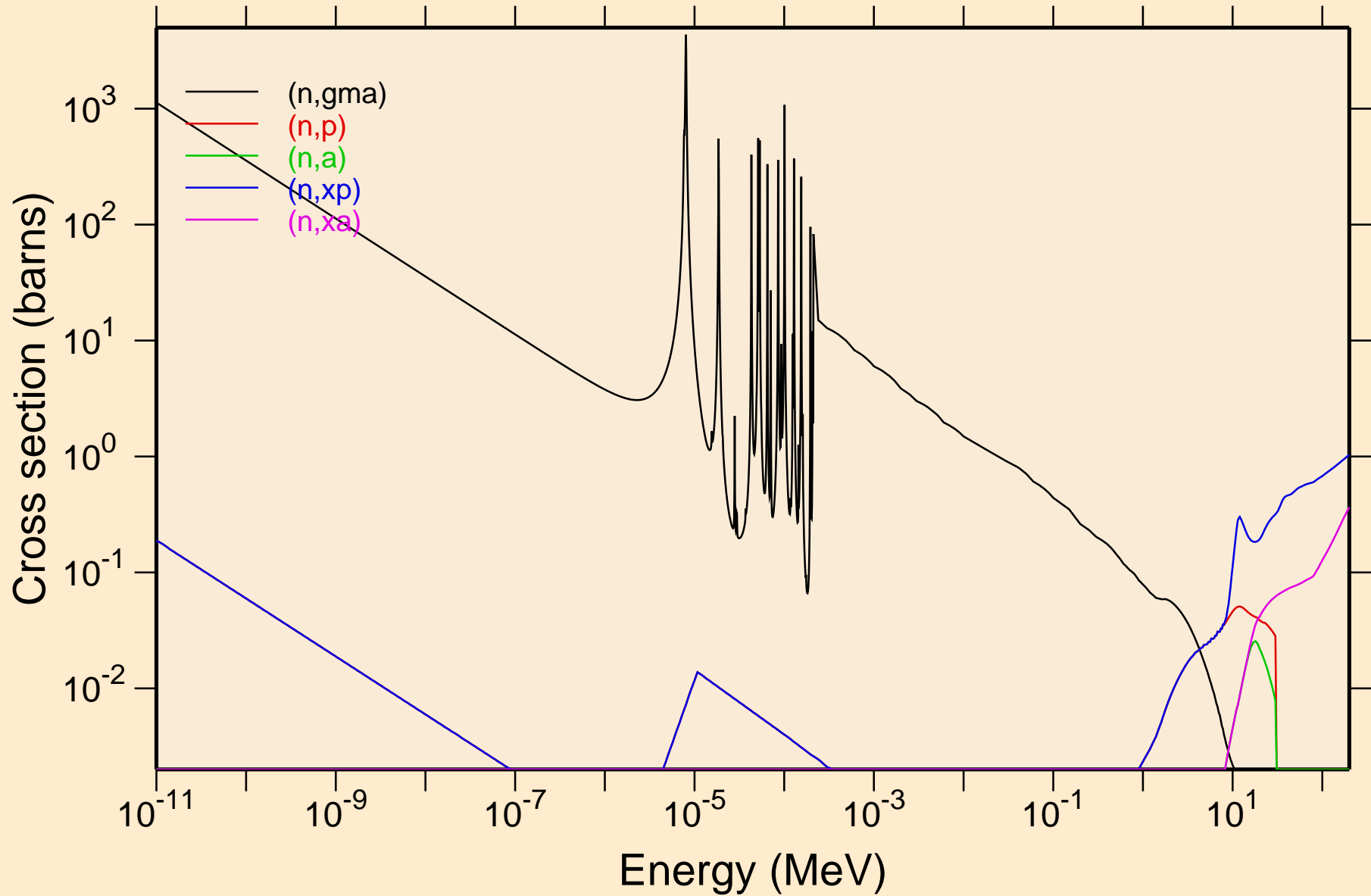
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Heating



RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage

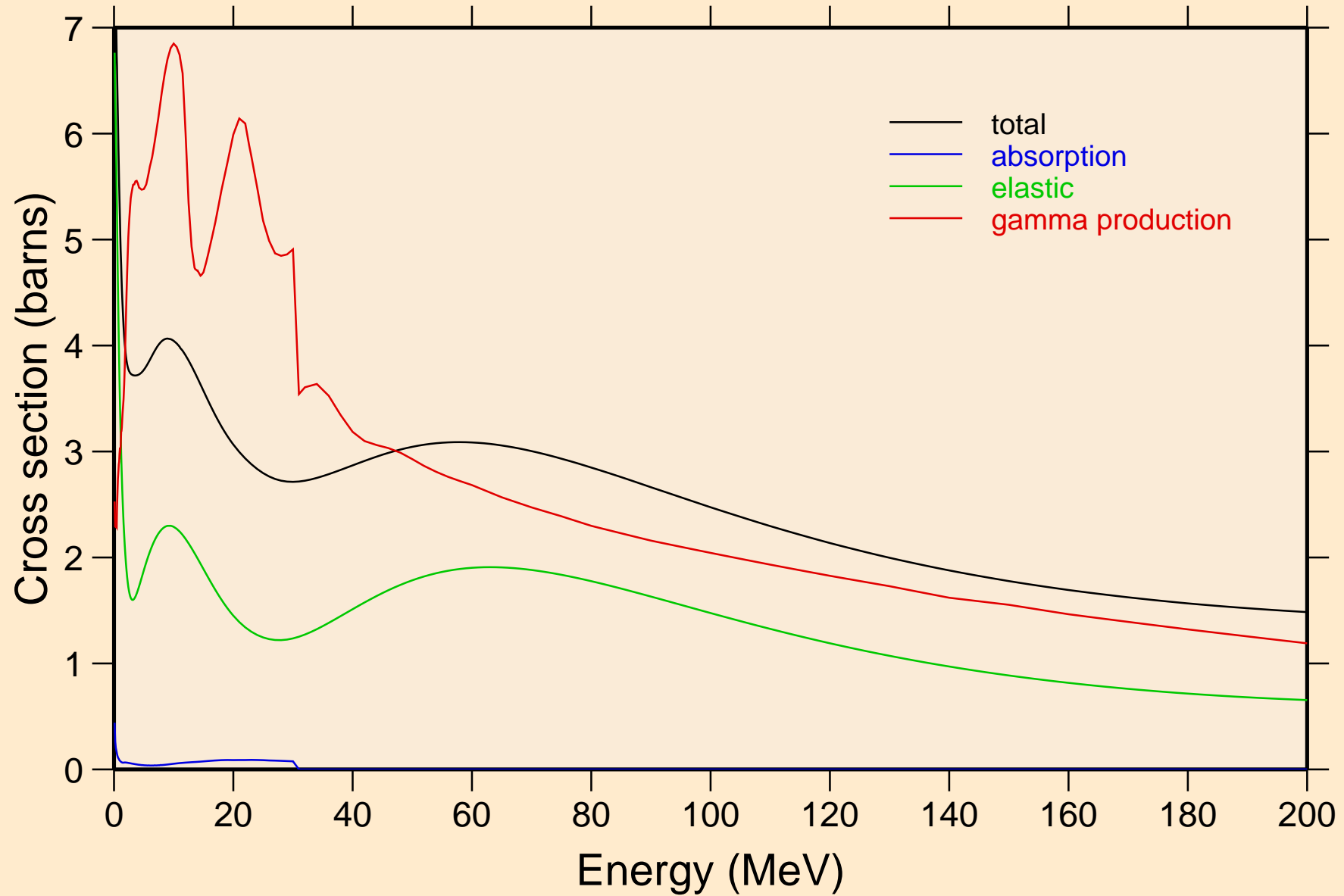


RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



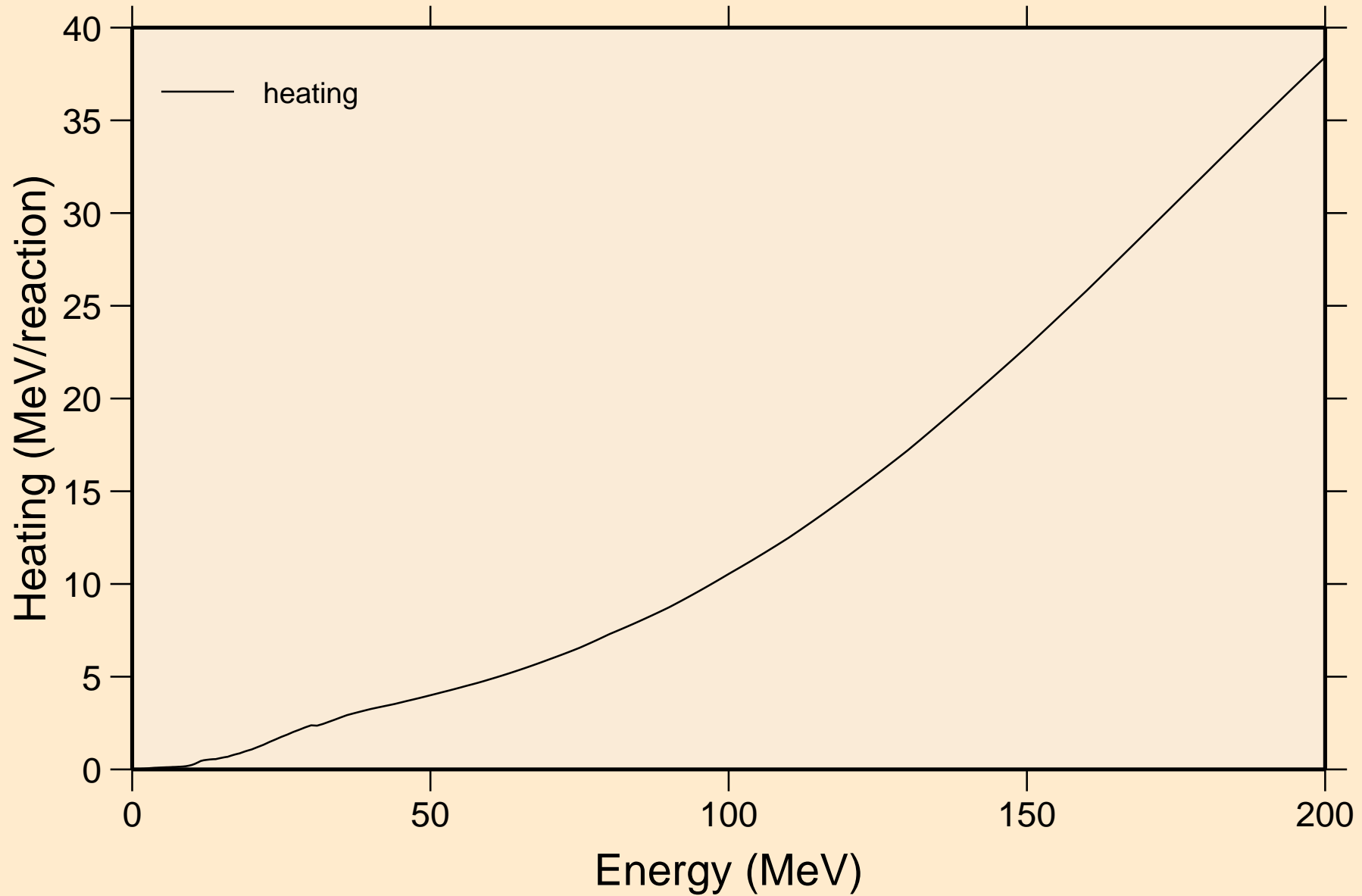
# RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections

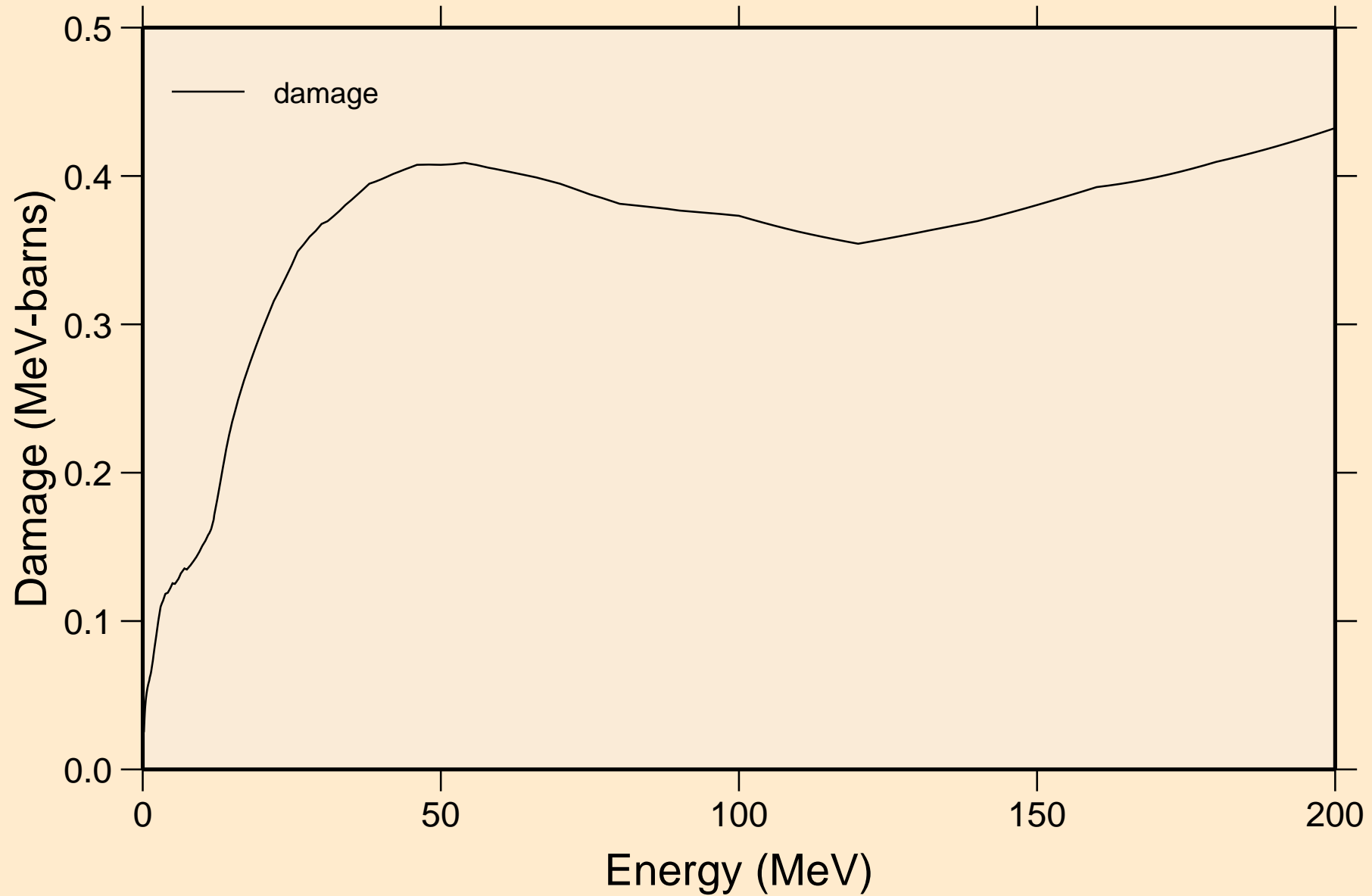


# RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

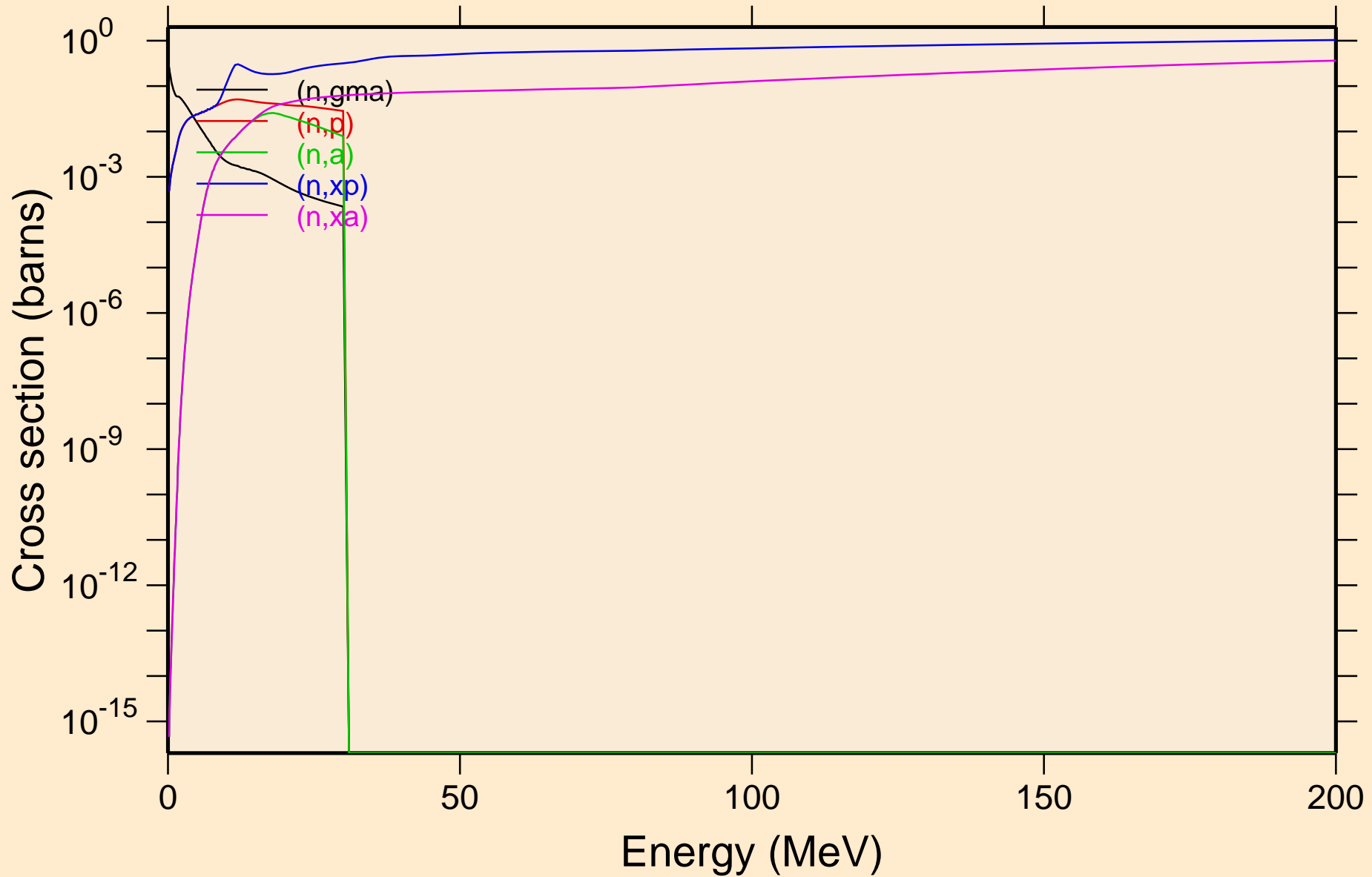
## Heating



RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage

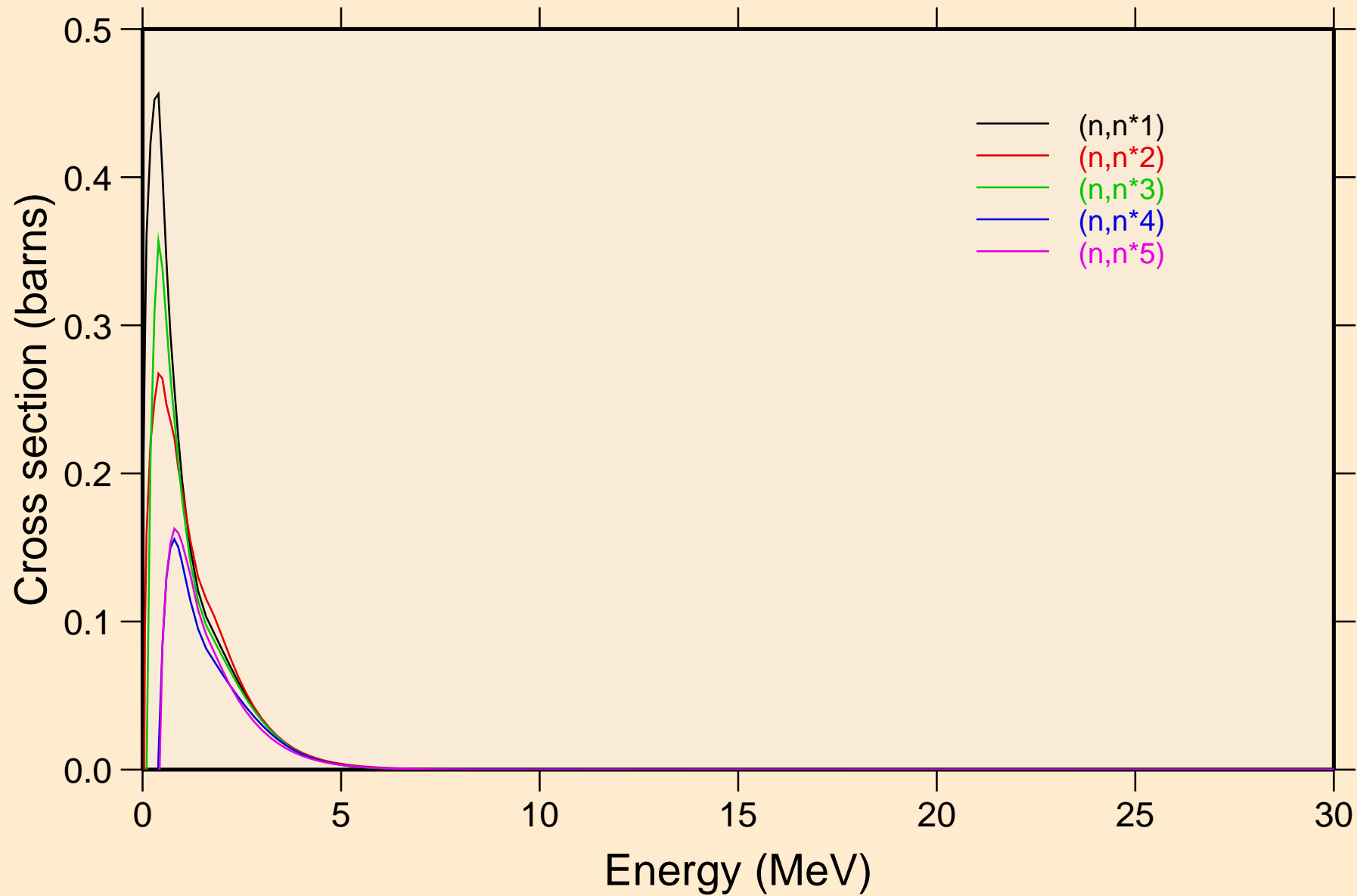


RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

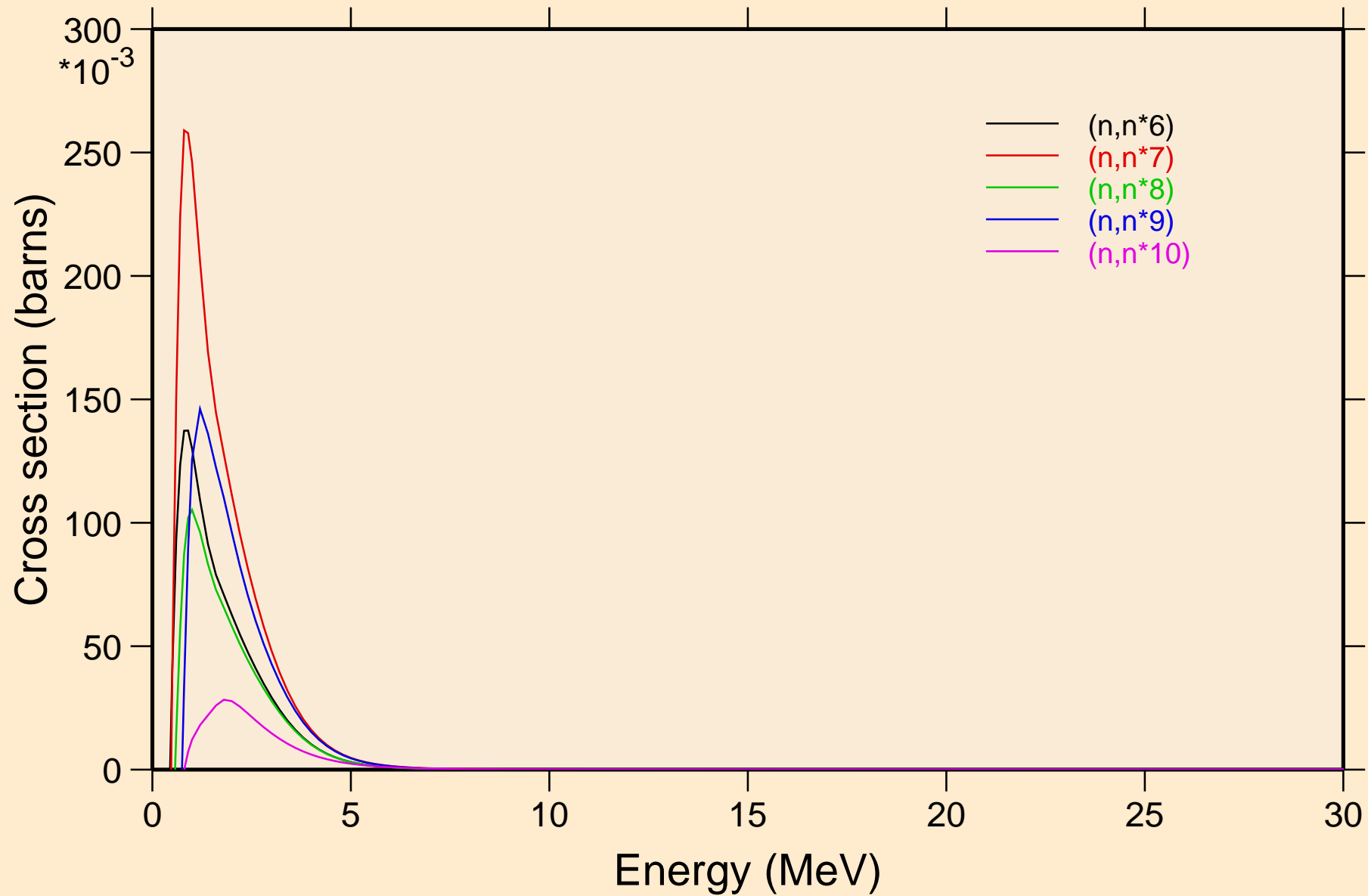




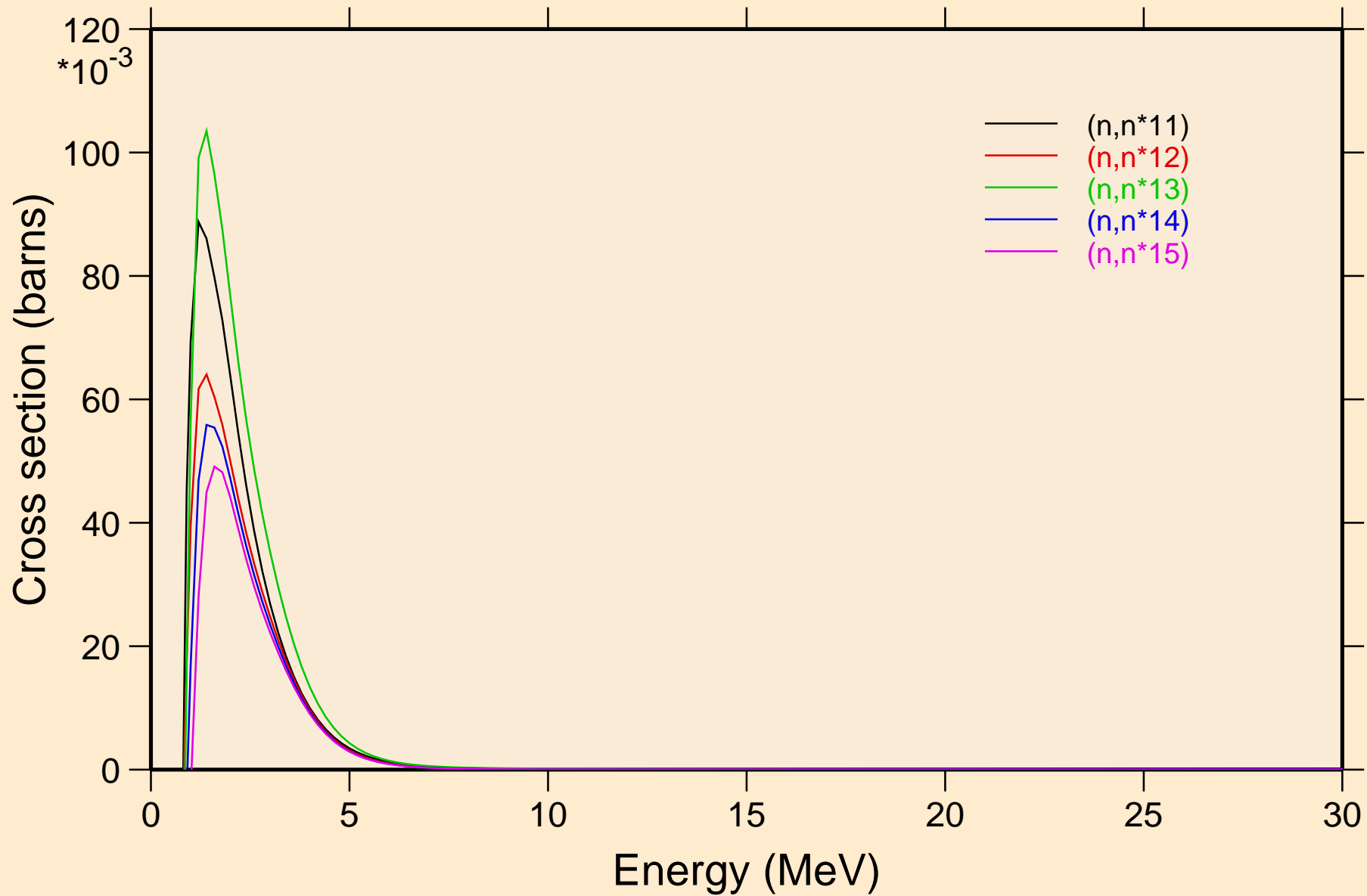
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



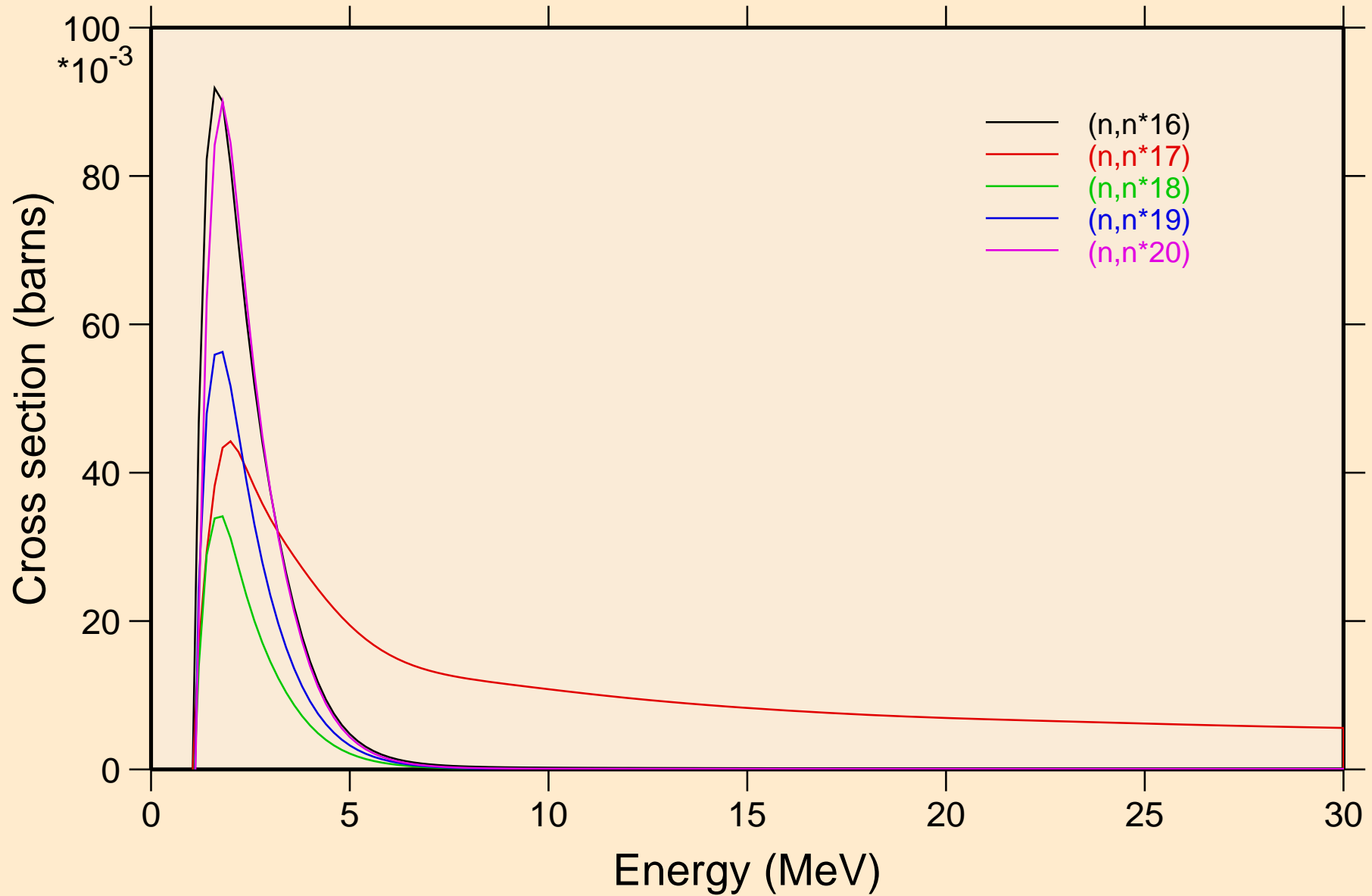
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



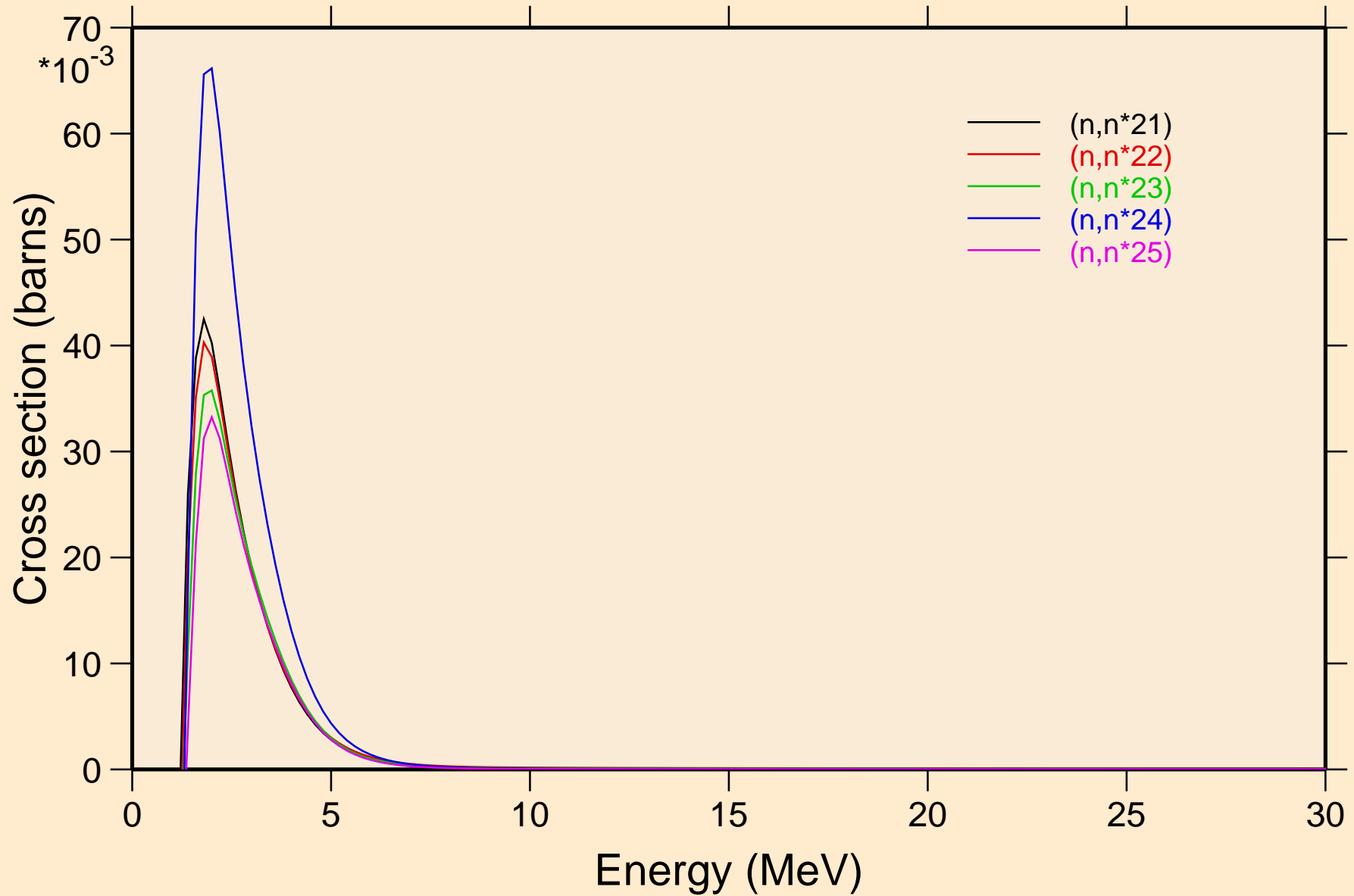
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



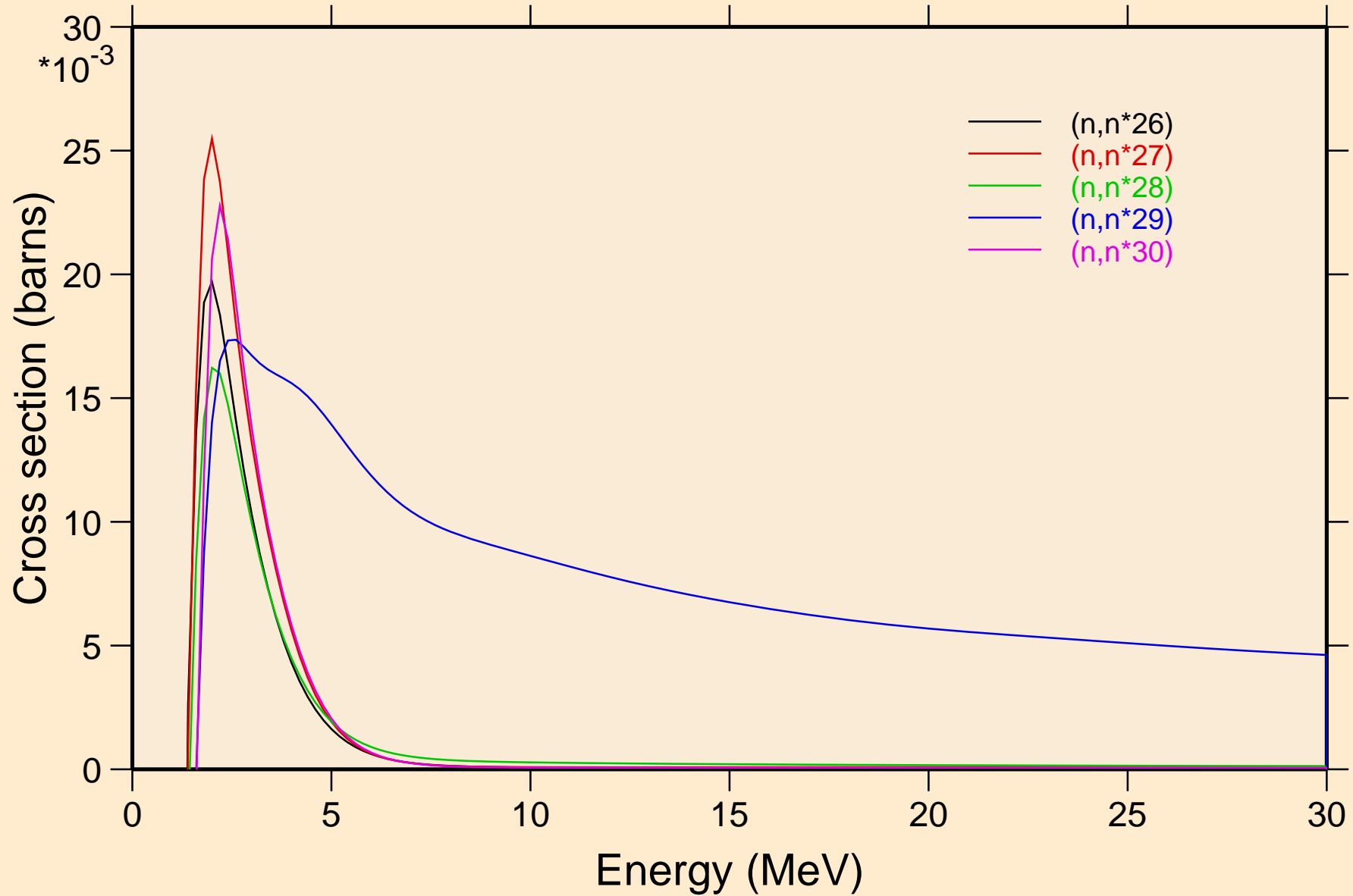
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



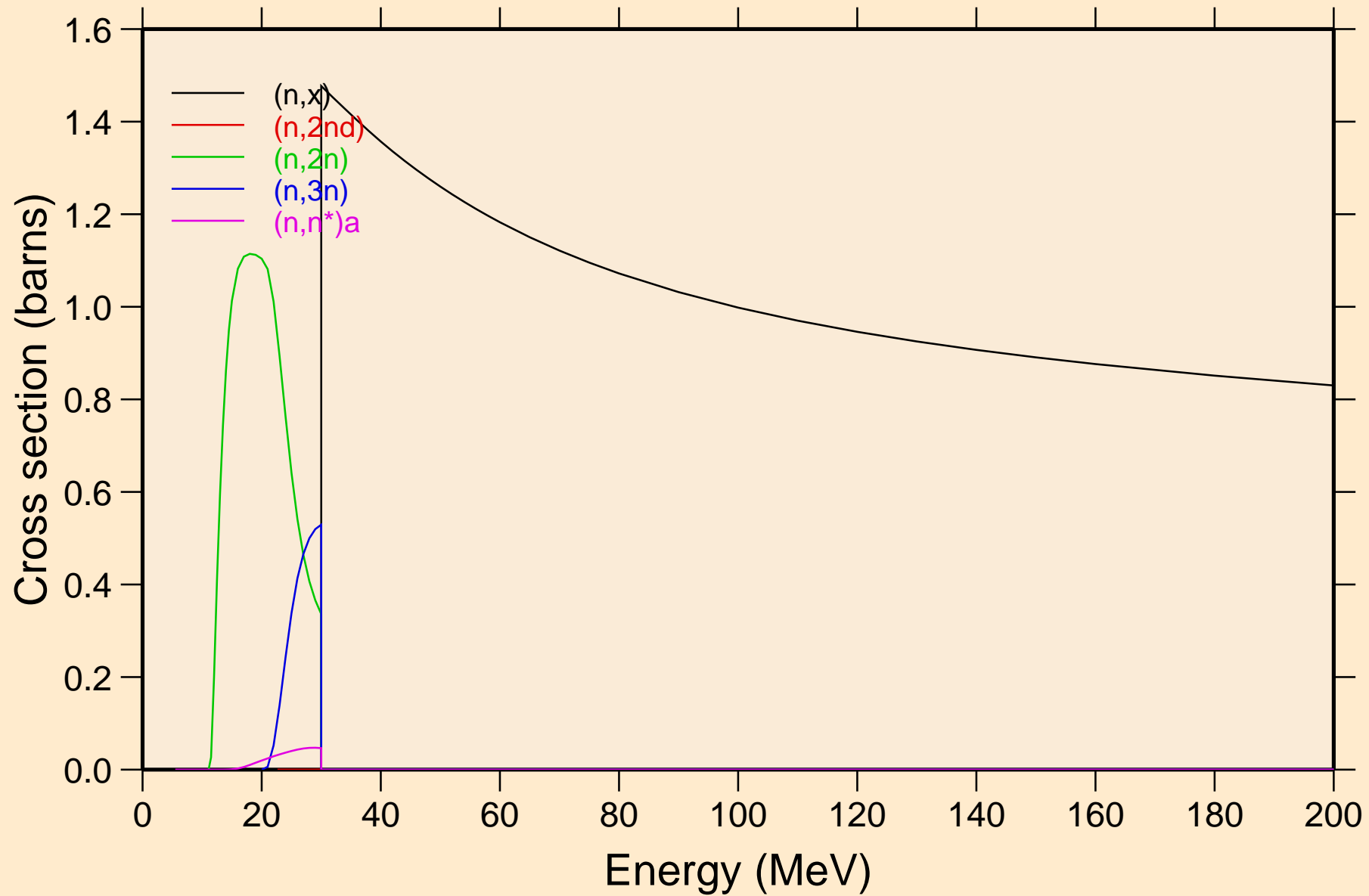
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

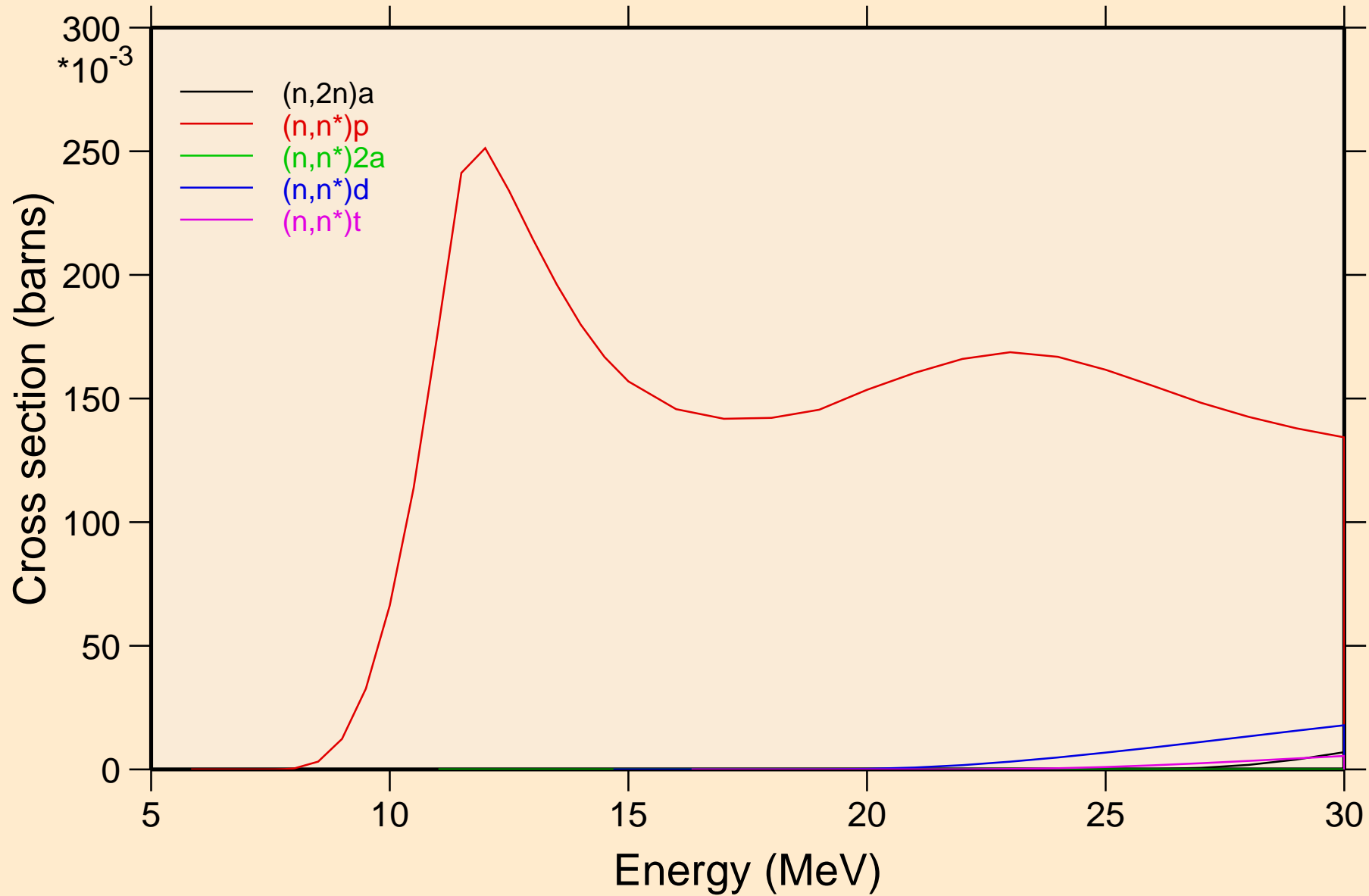


RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



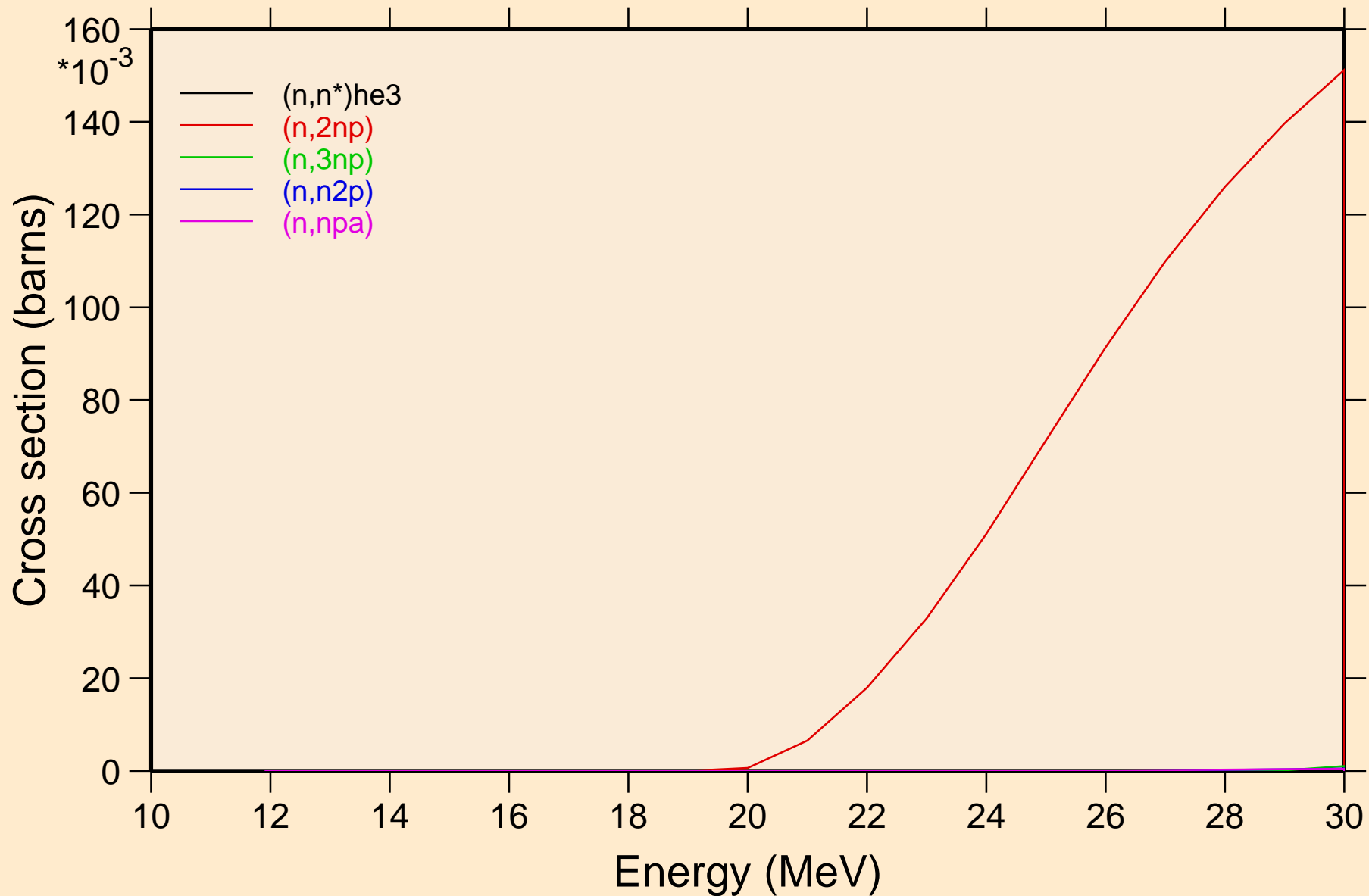
# RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

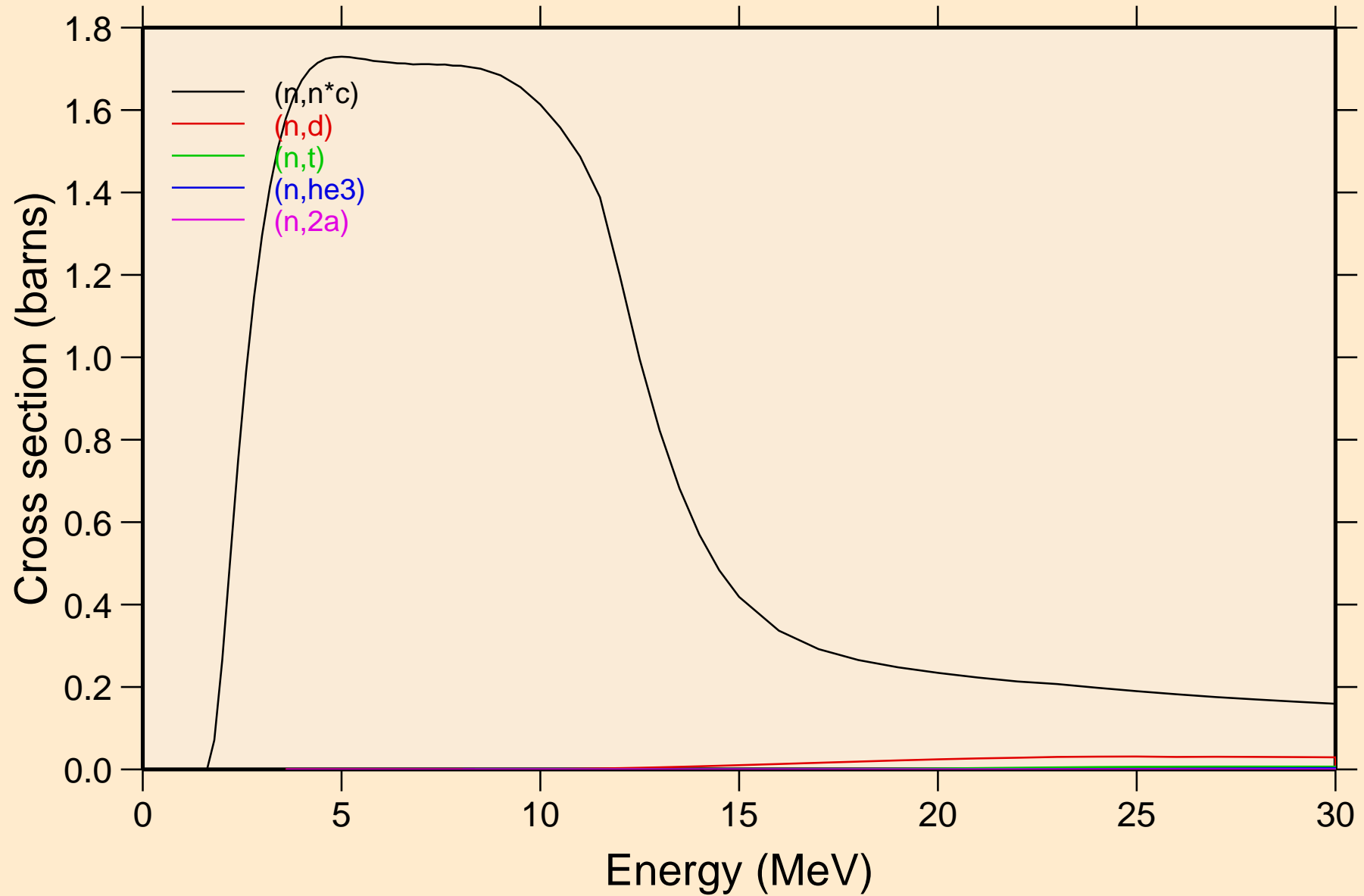




RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

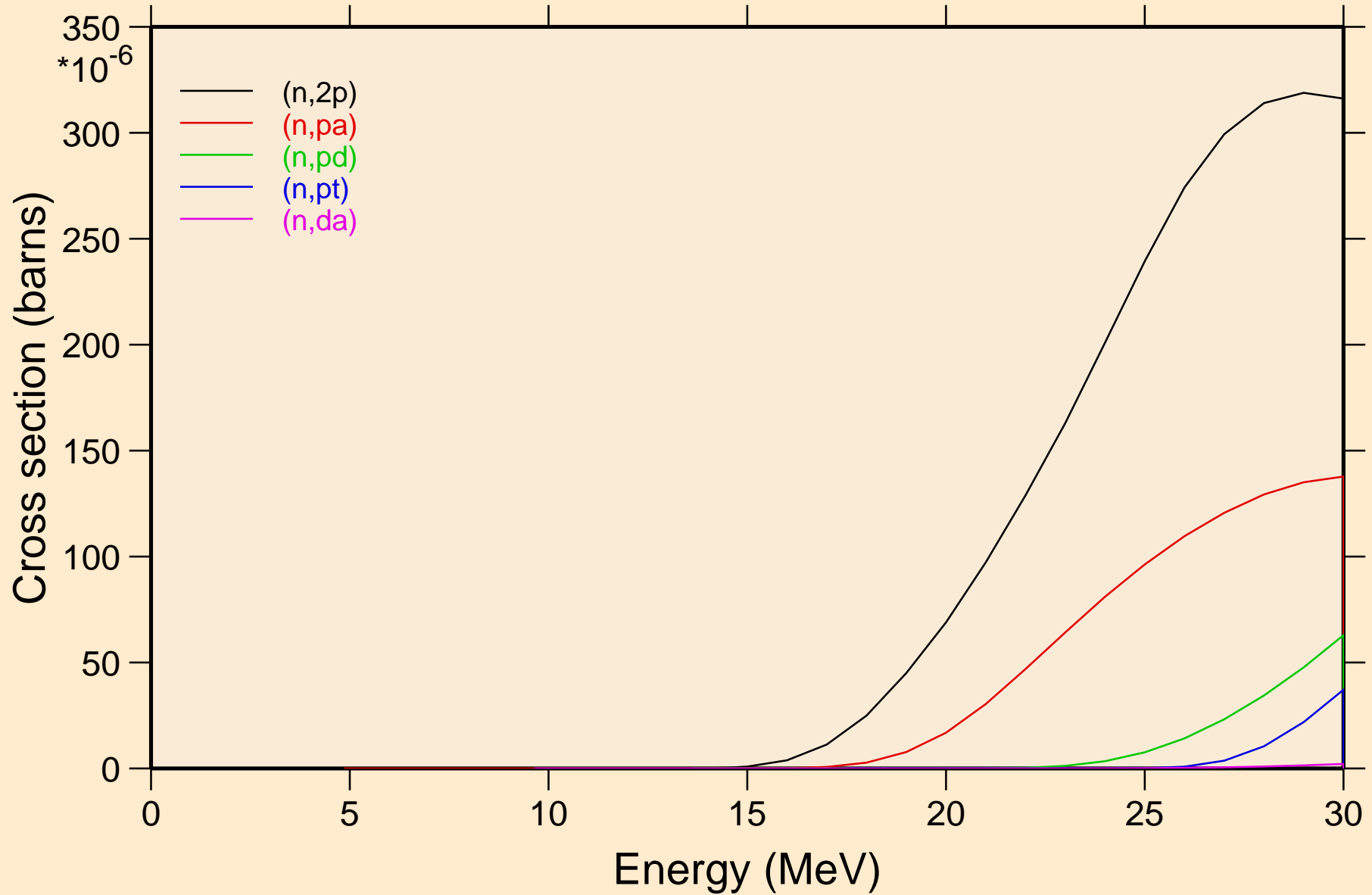


RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

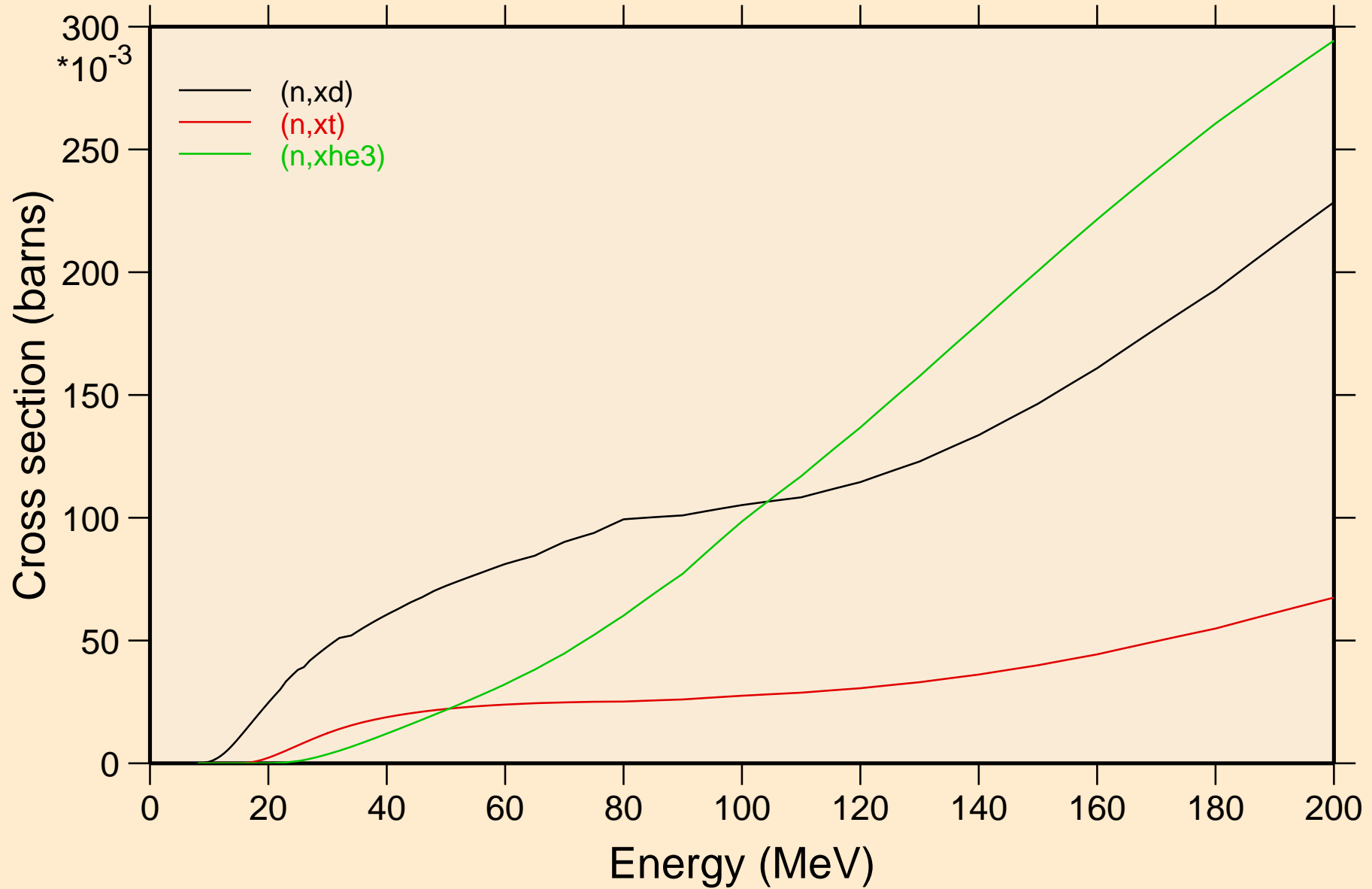


# RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

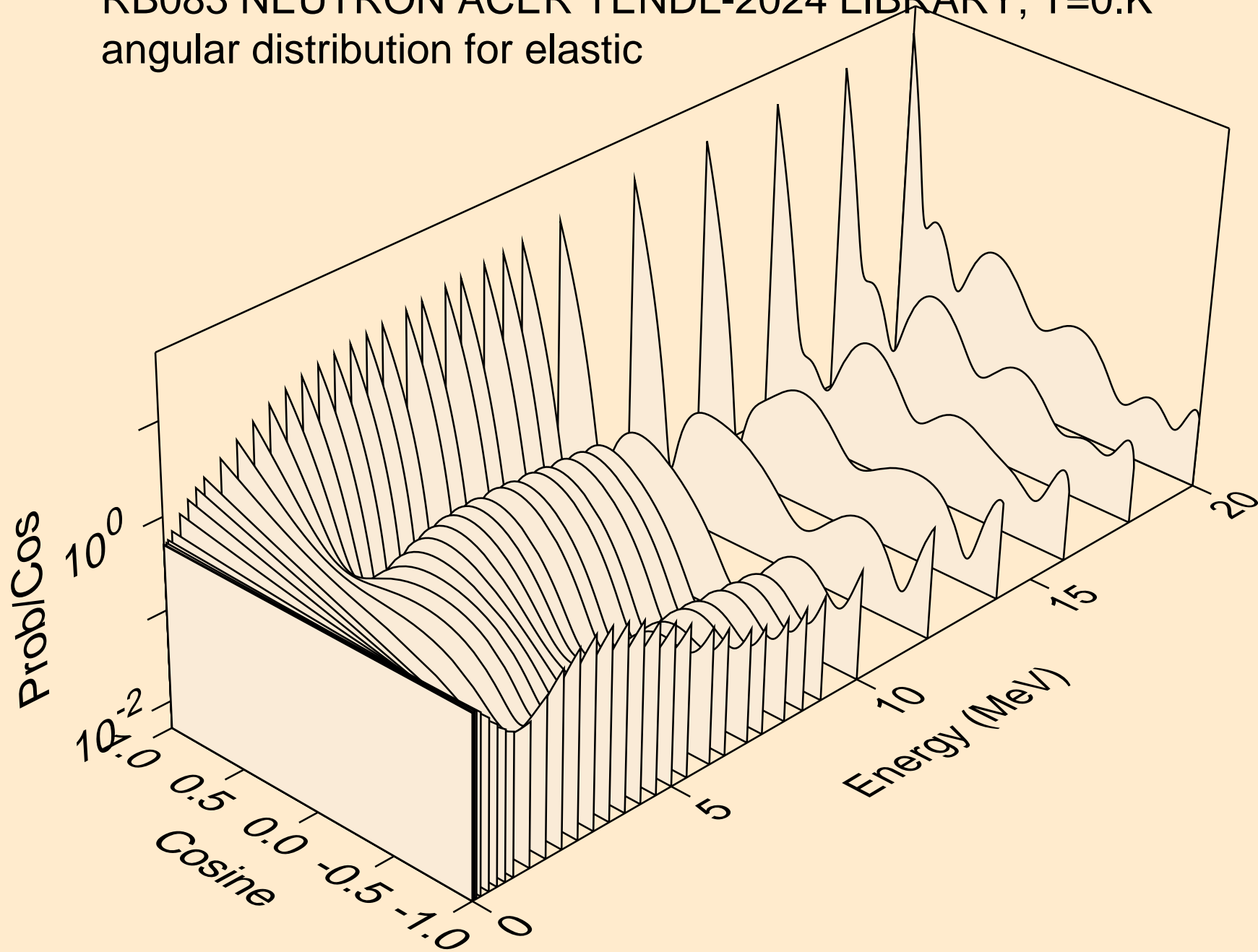
## Threshold reactions



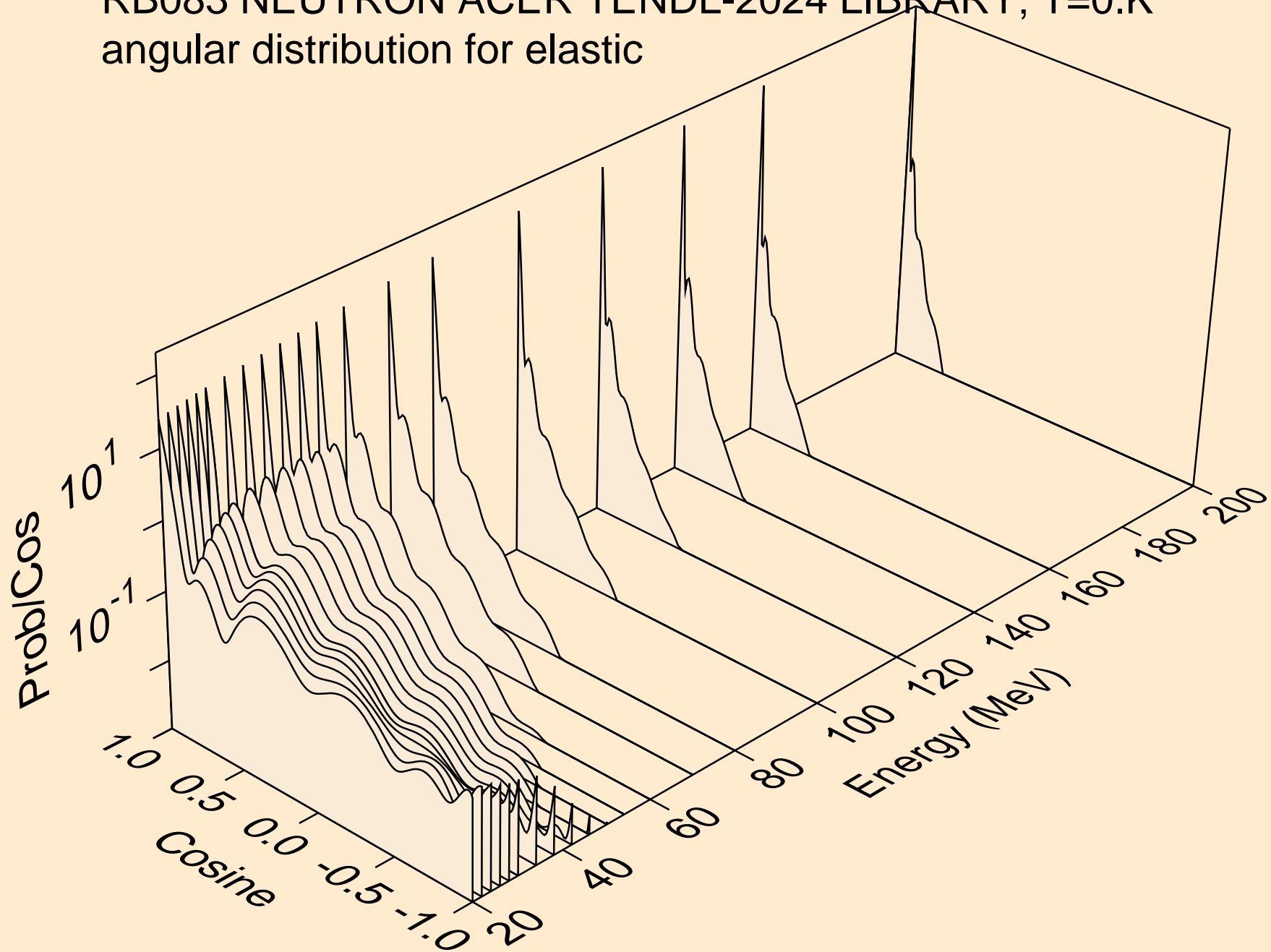
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



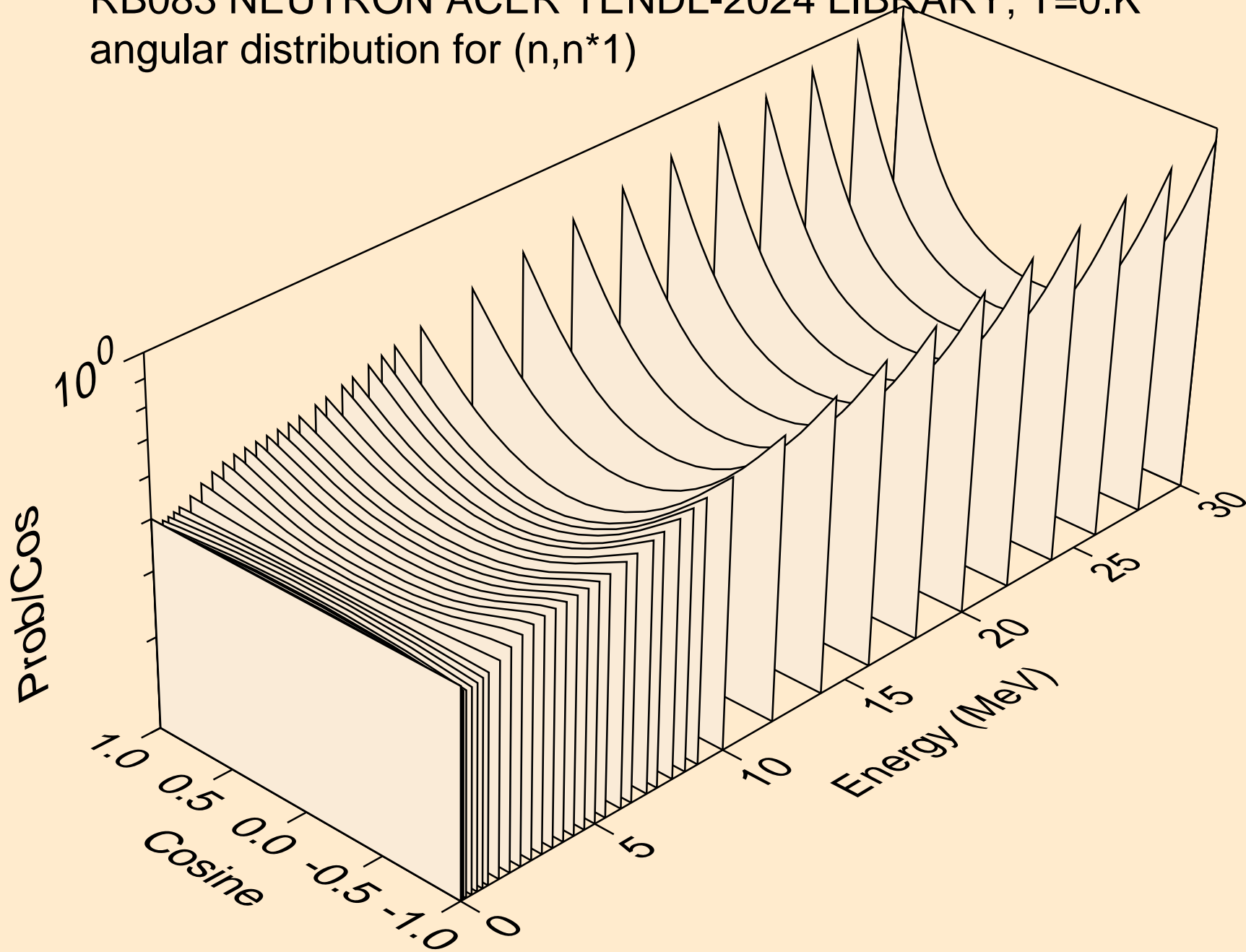
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



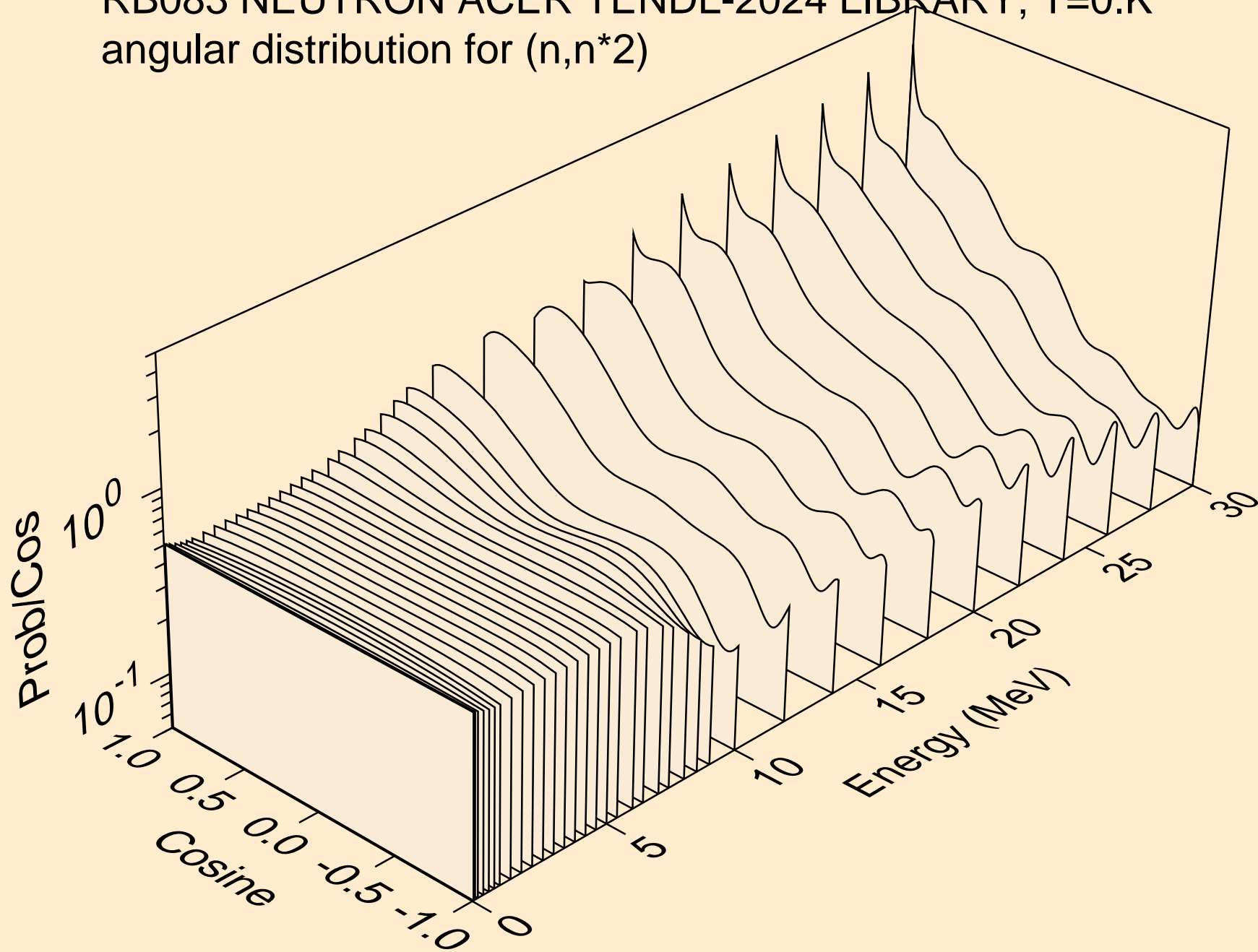
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

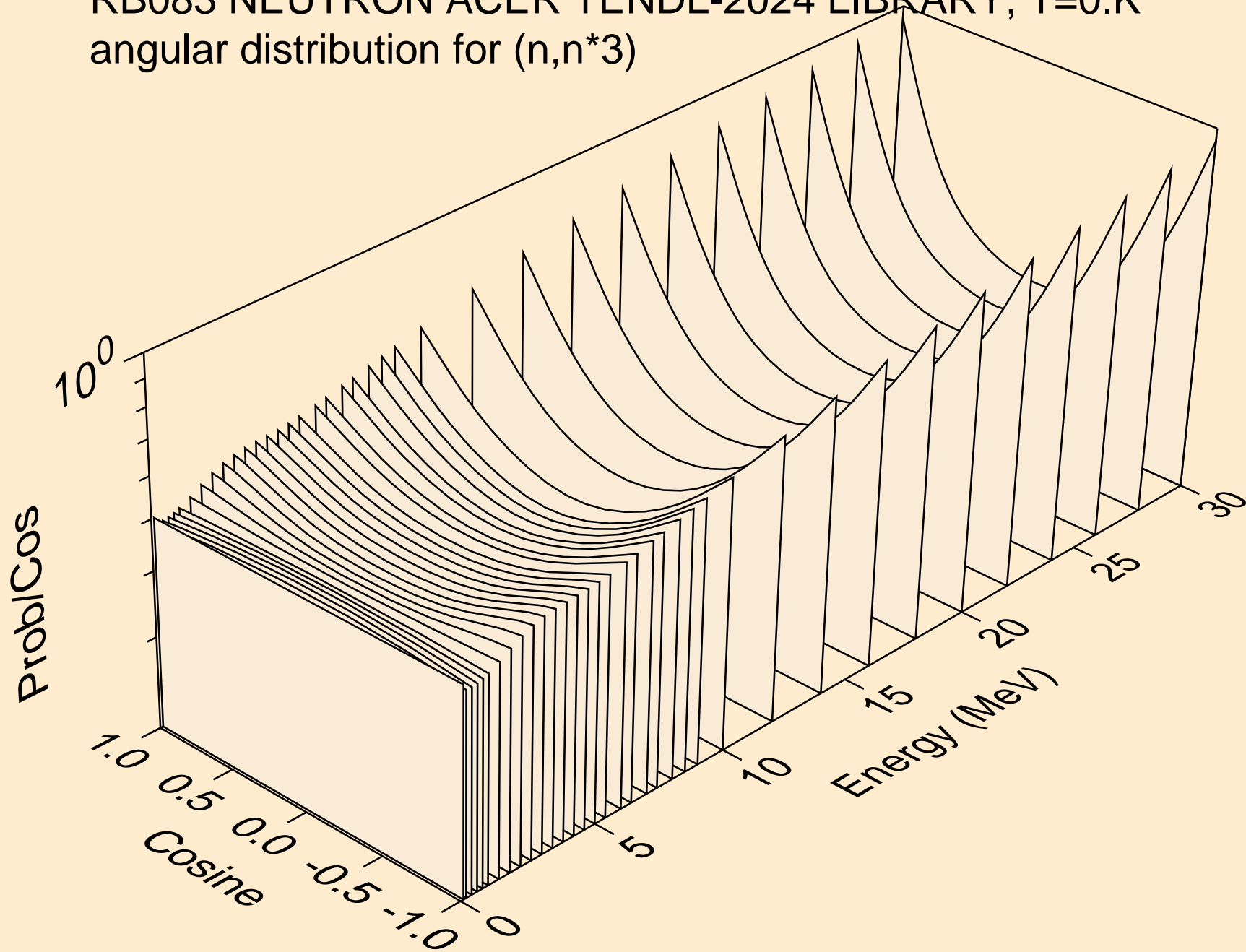


RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

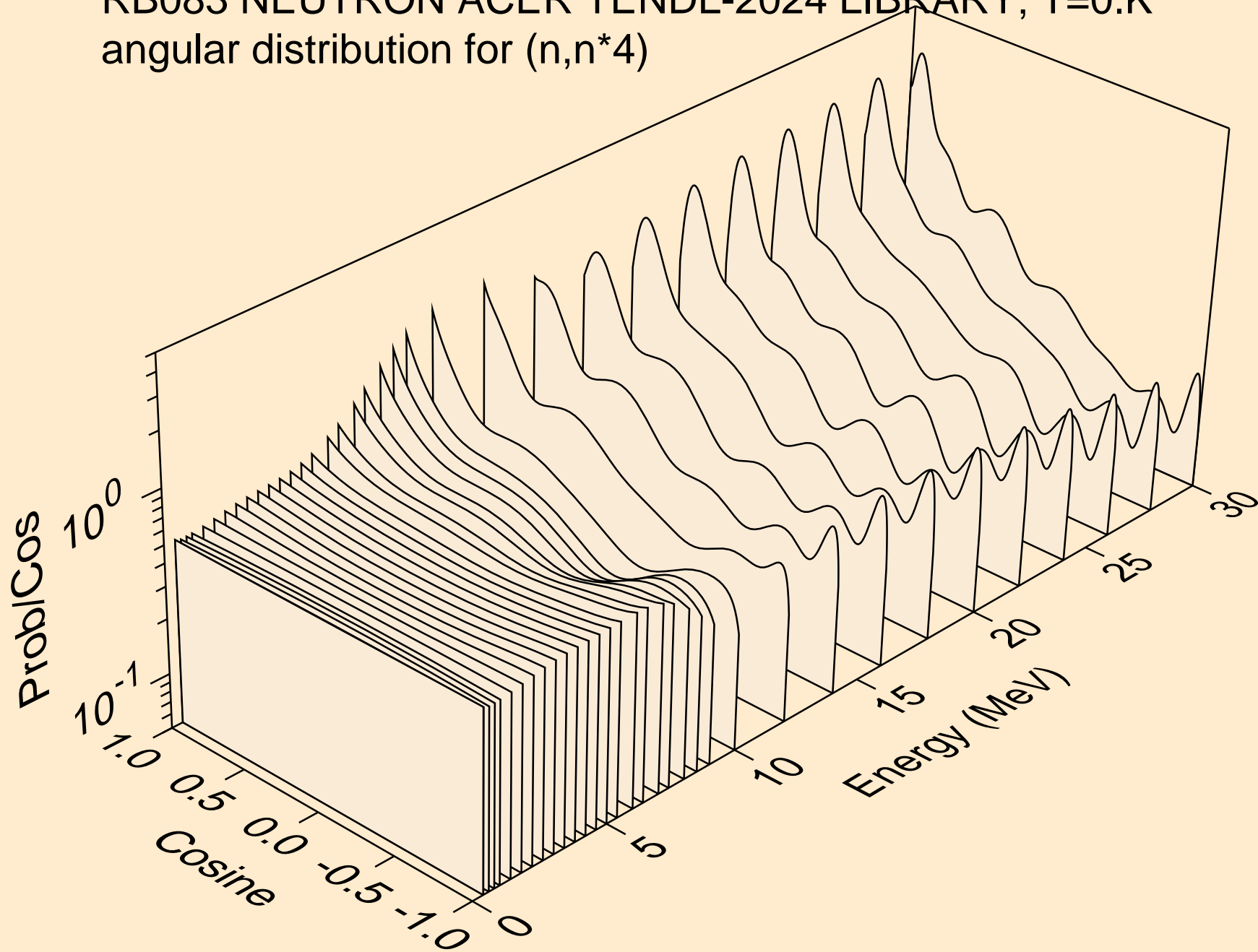




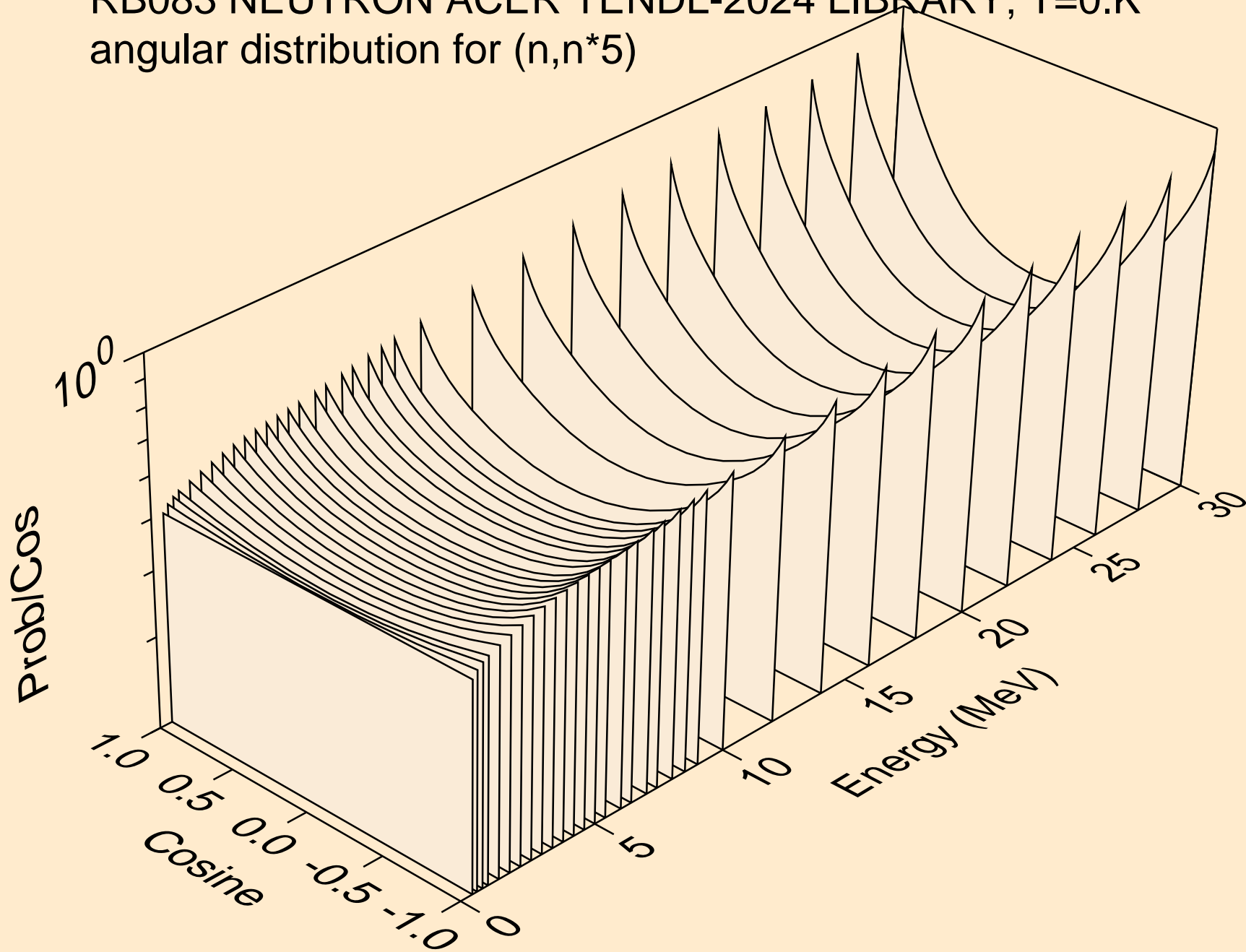
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angular distribution for (n,n\*3)



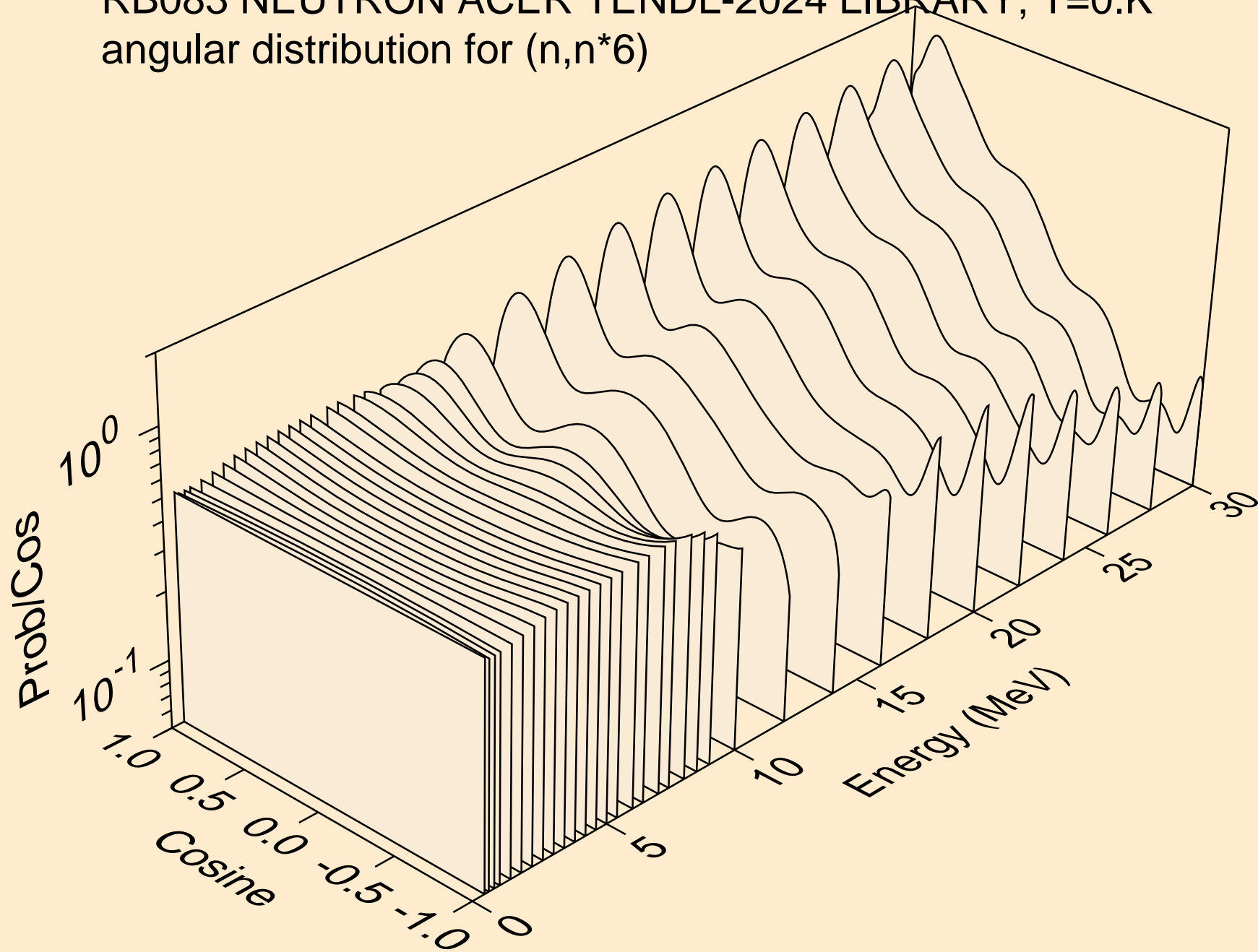
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



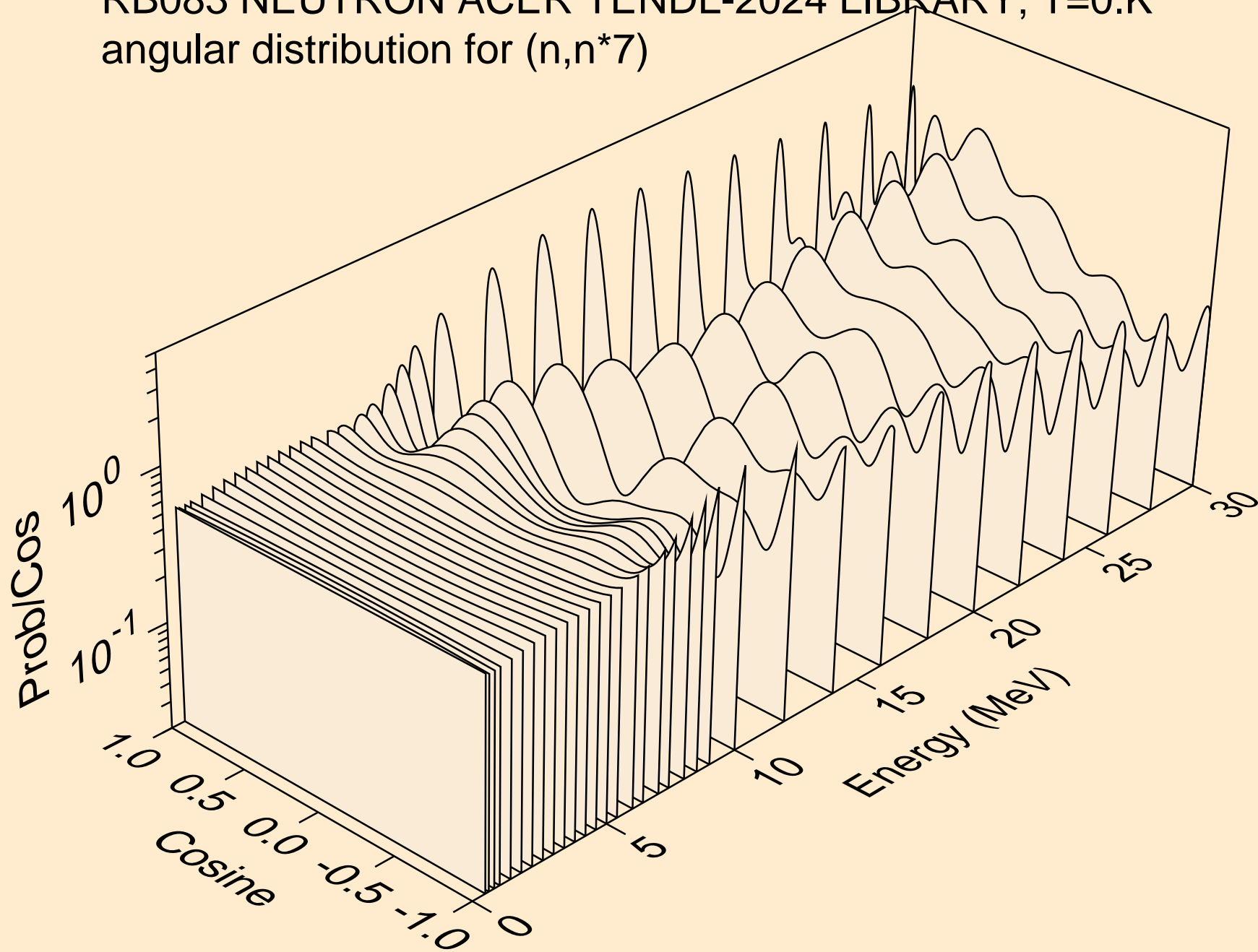
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angular distribution for (n,n\*5)



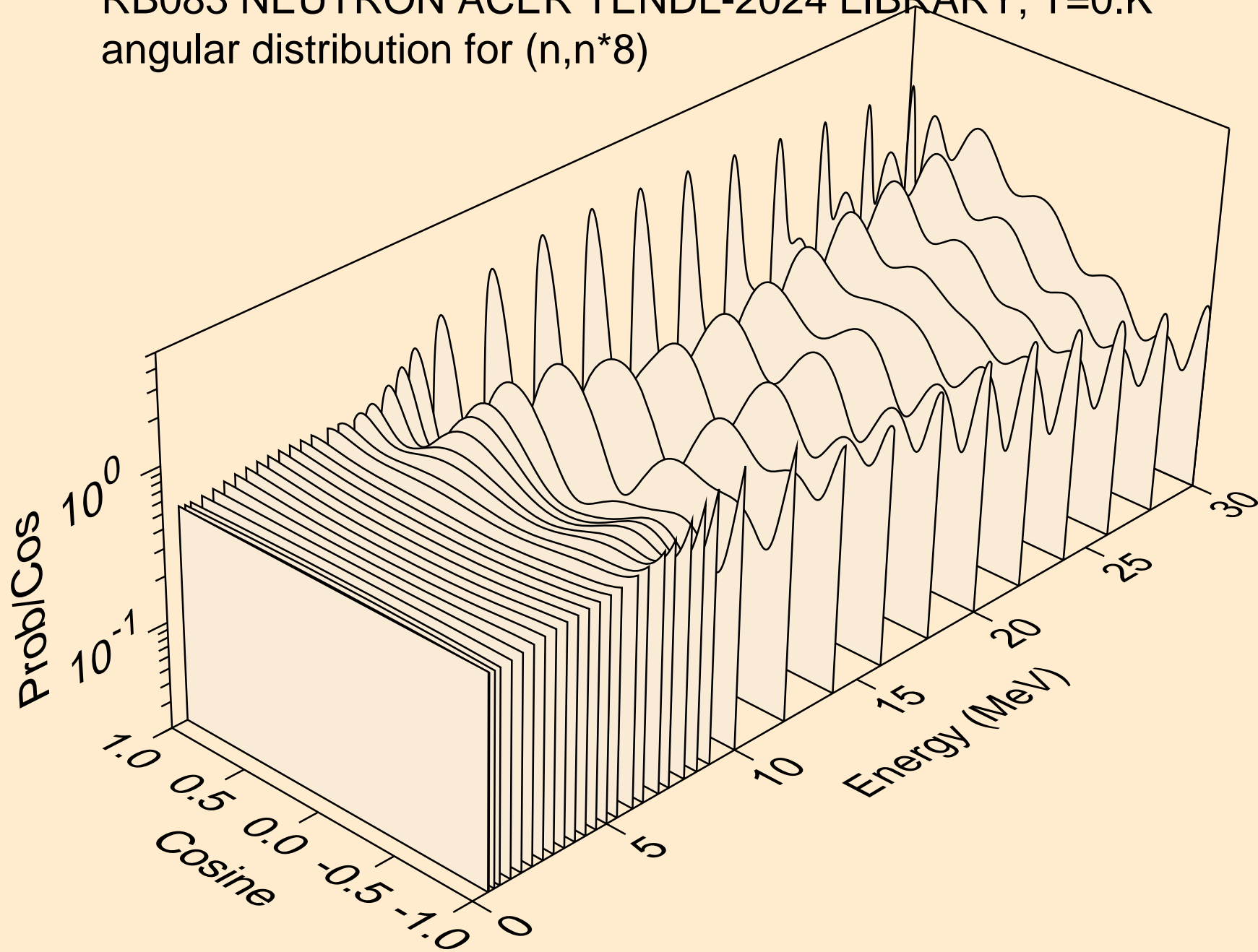
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angular distribution for (n,n\*6)



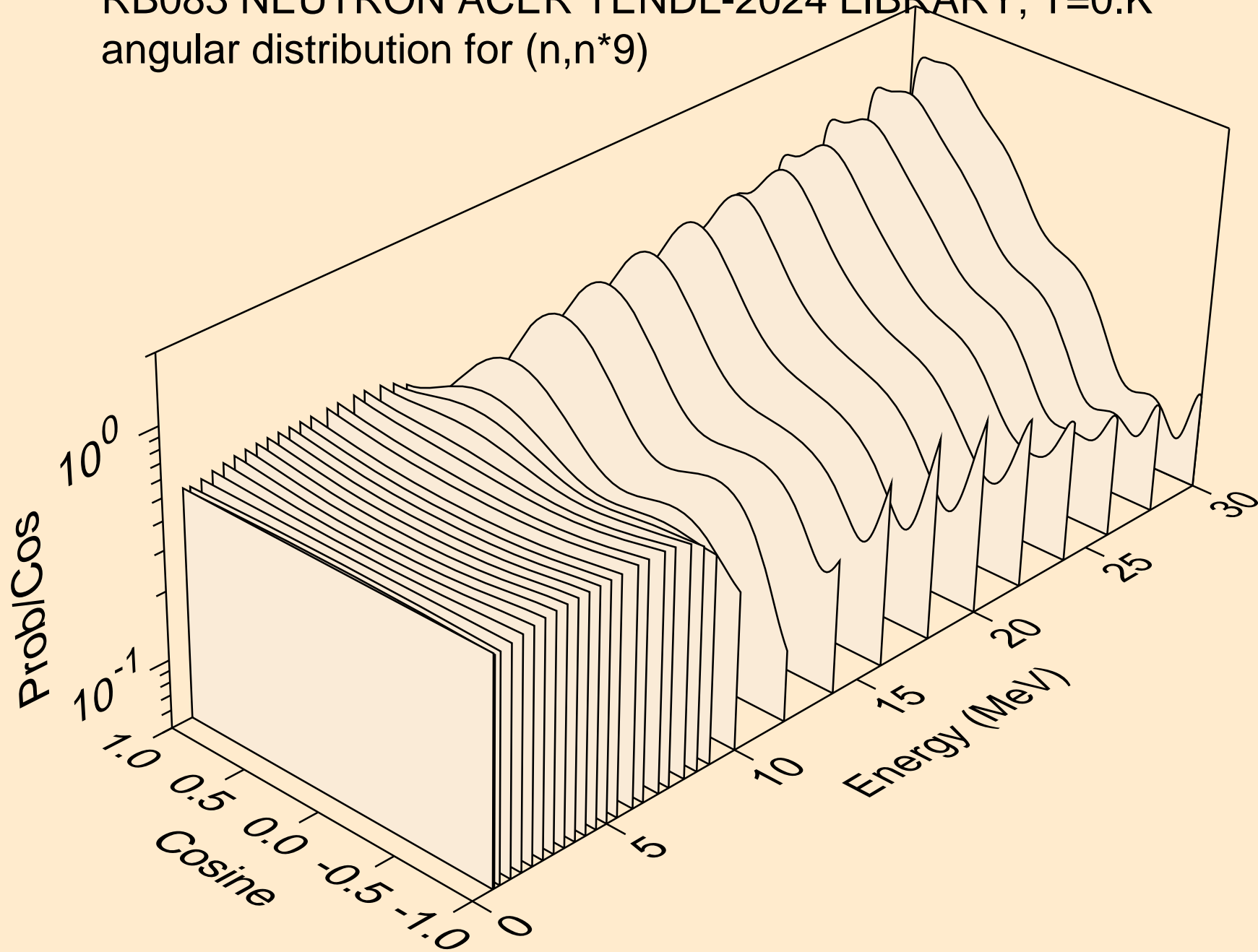
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angular distribution for (n,n\*7)



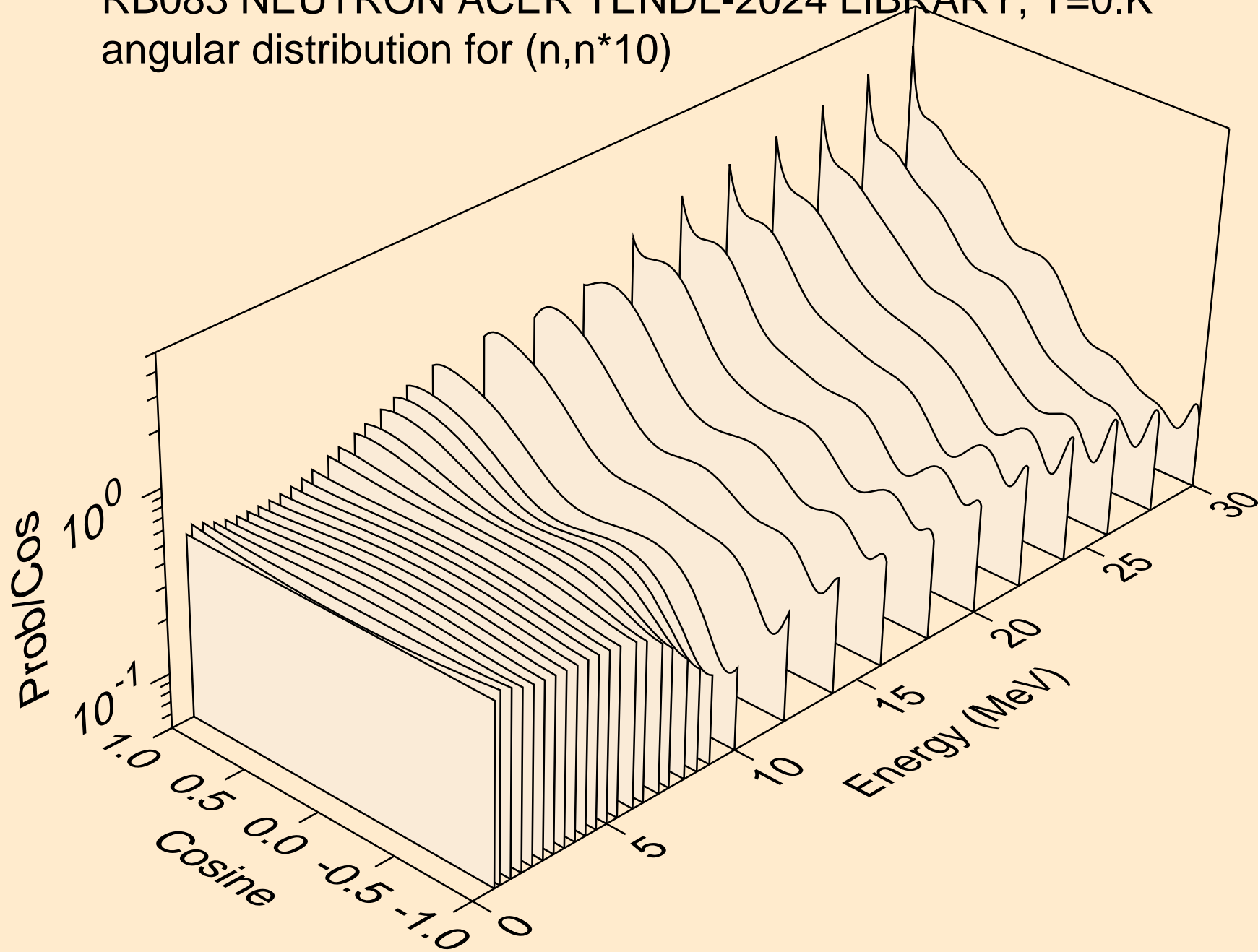
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

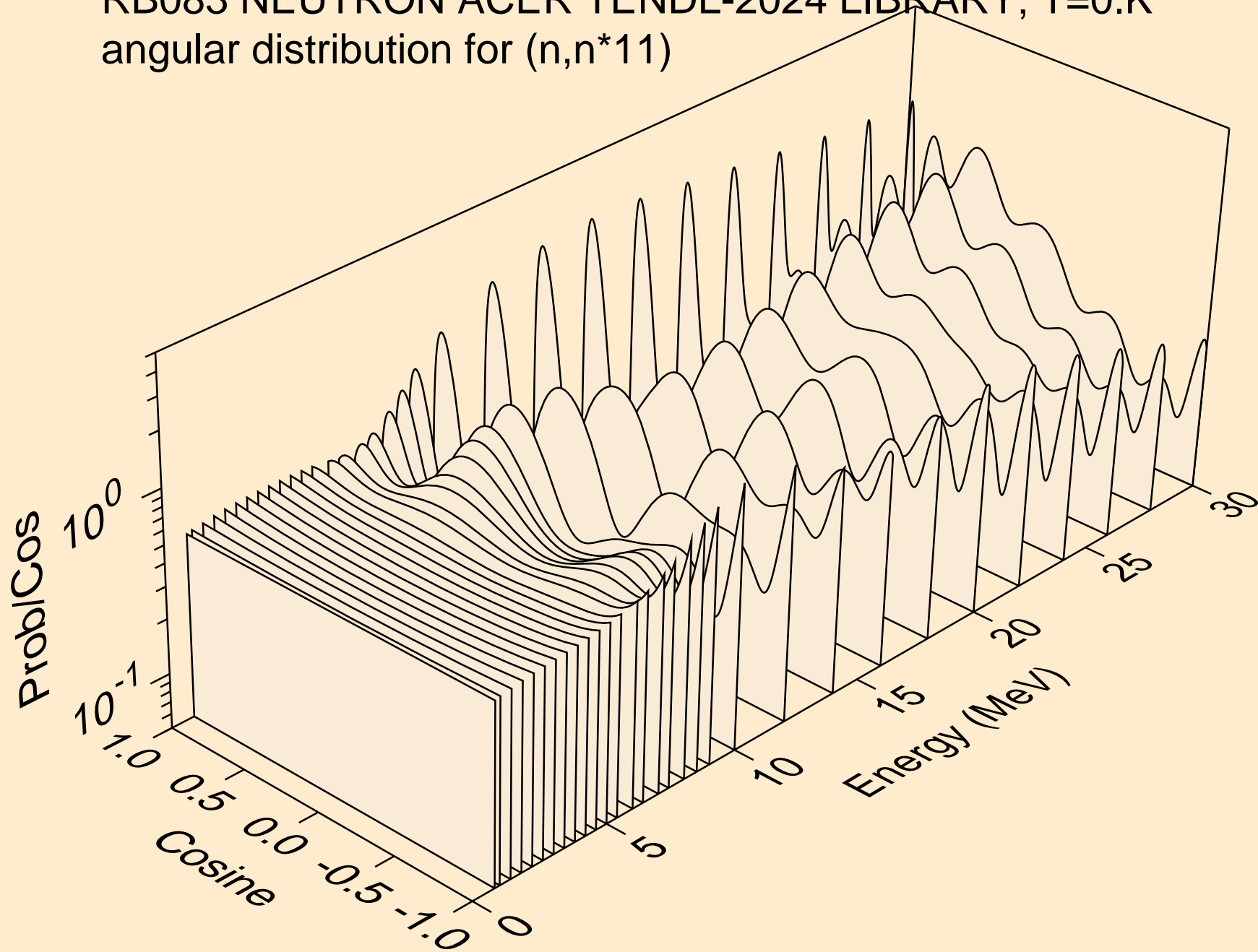


RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

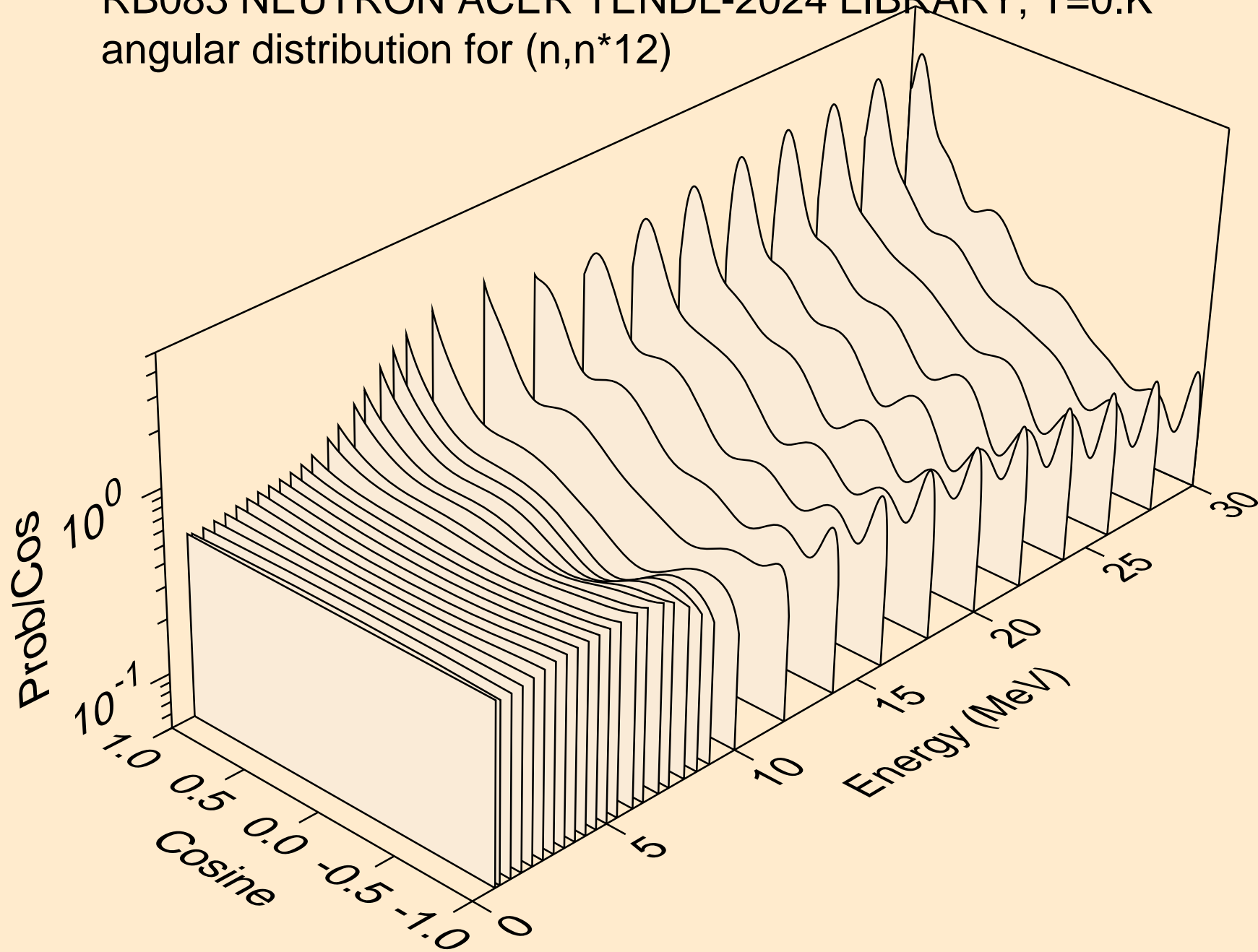




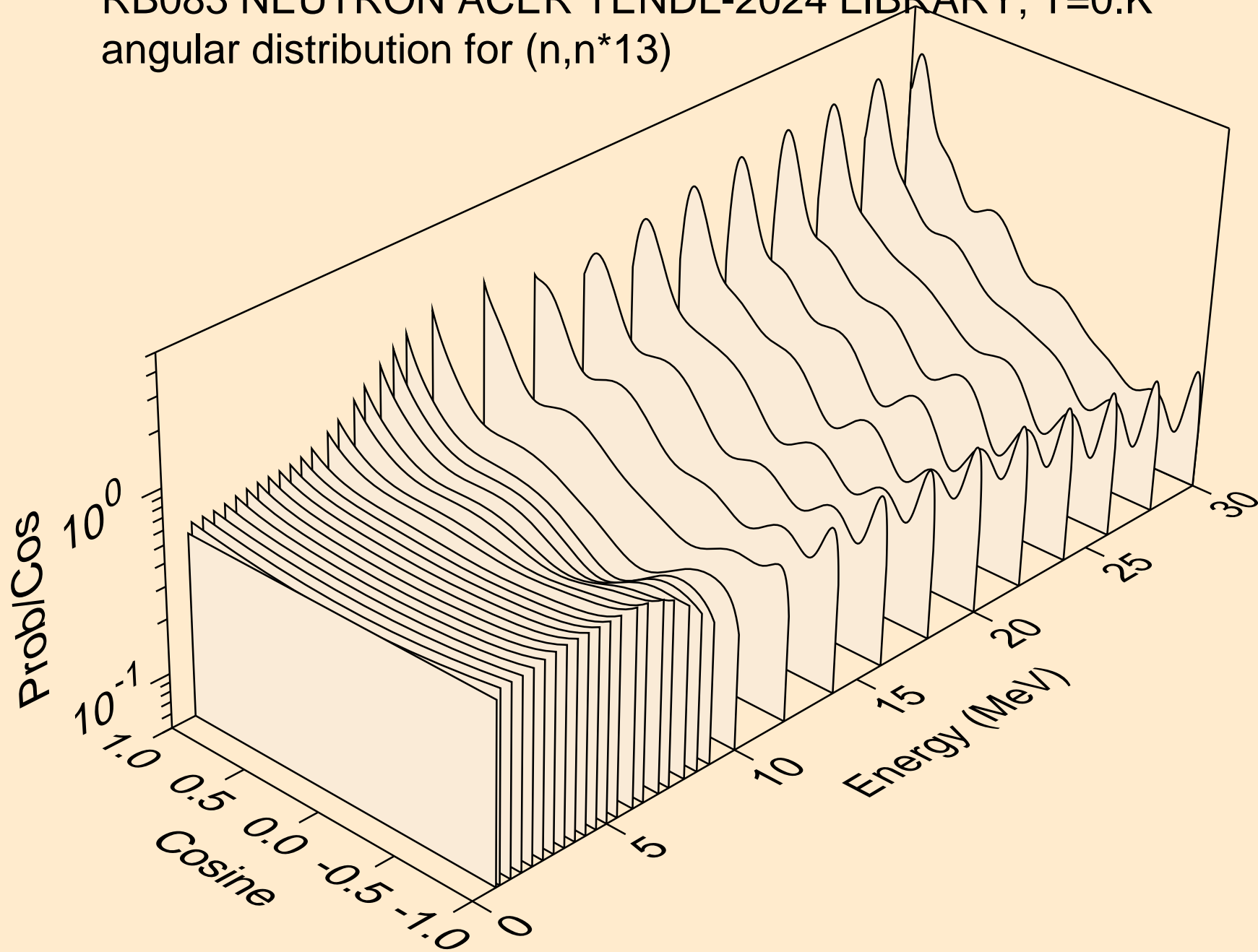
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angular distribution for (n,n\*11)



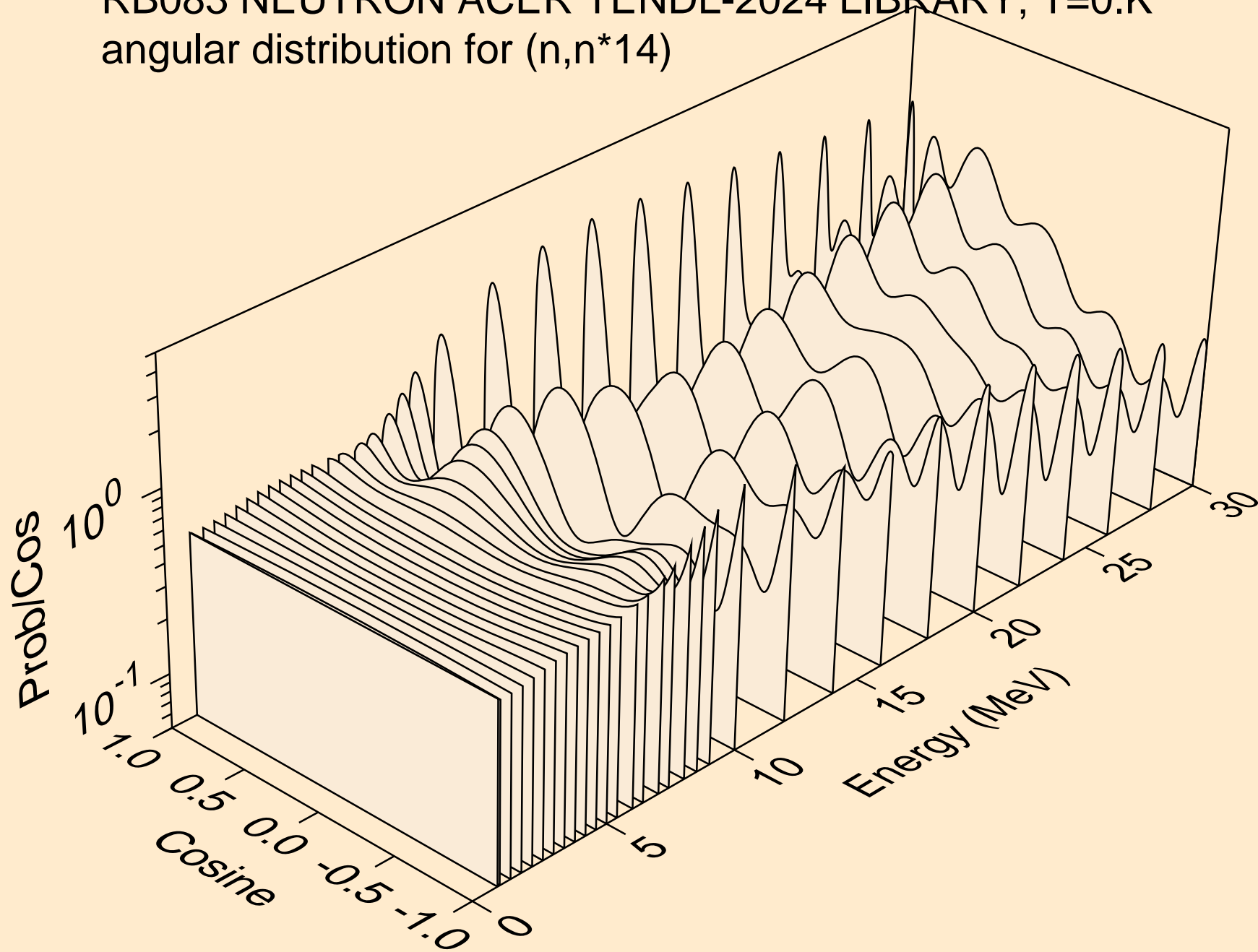
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angular distribution for (n,n\*12)



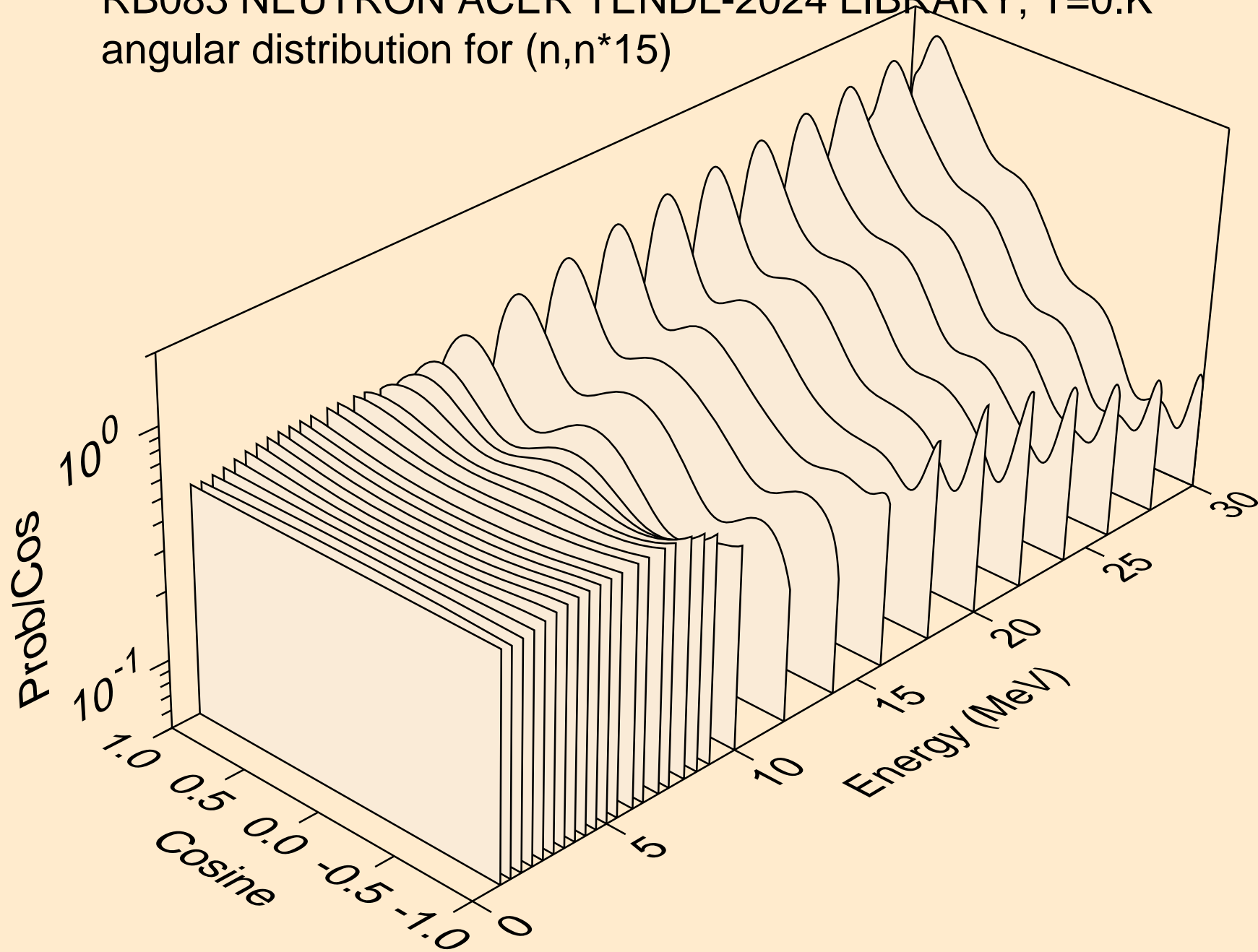
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angular distribution for (n,n\*13)



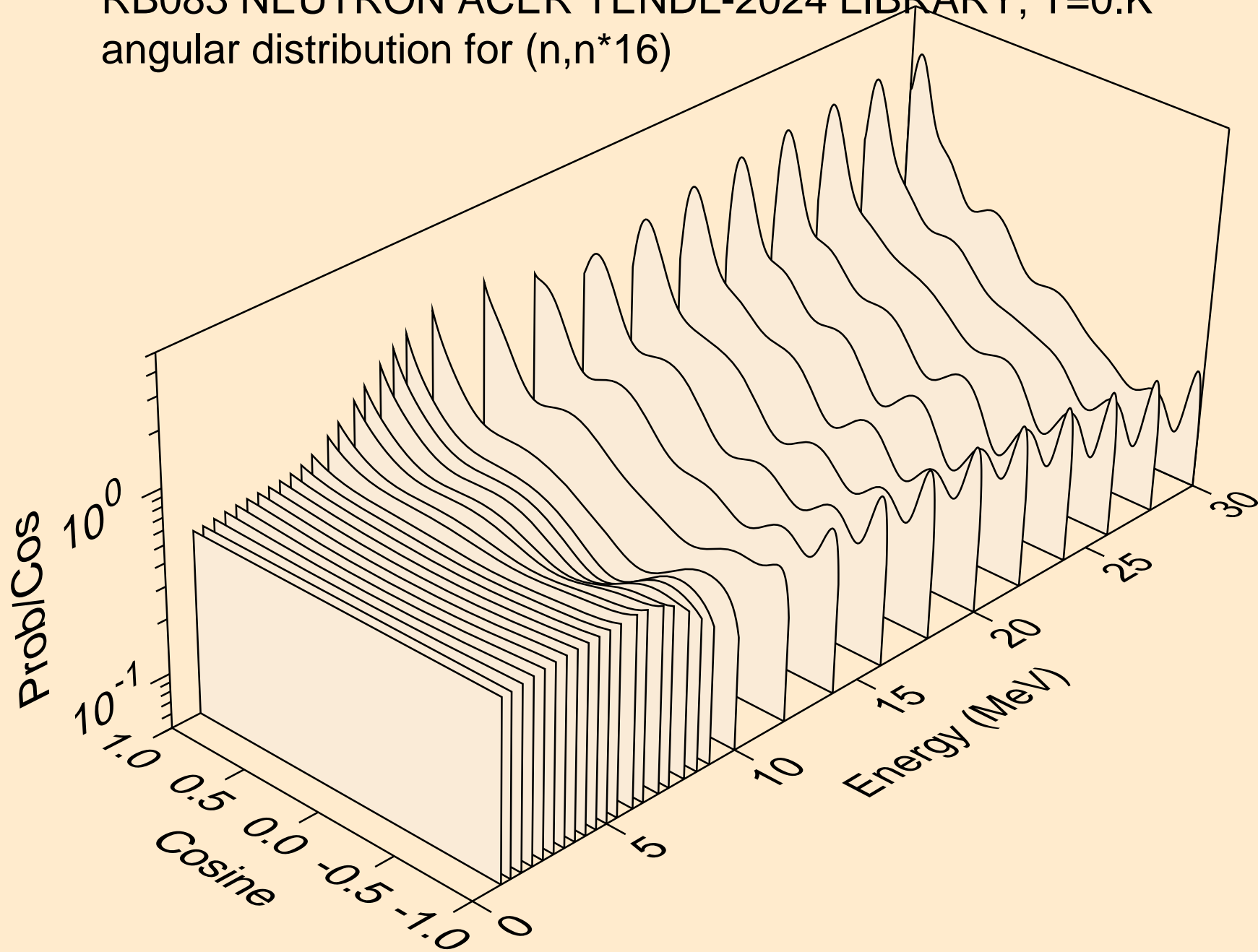
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angular distribution for (n,n\*14)



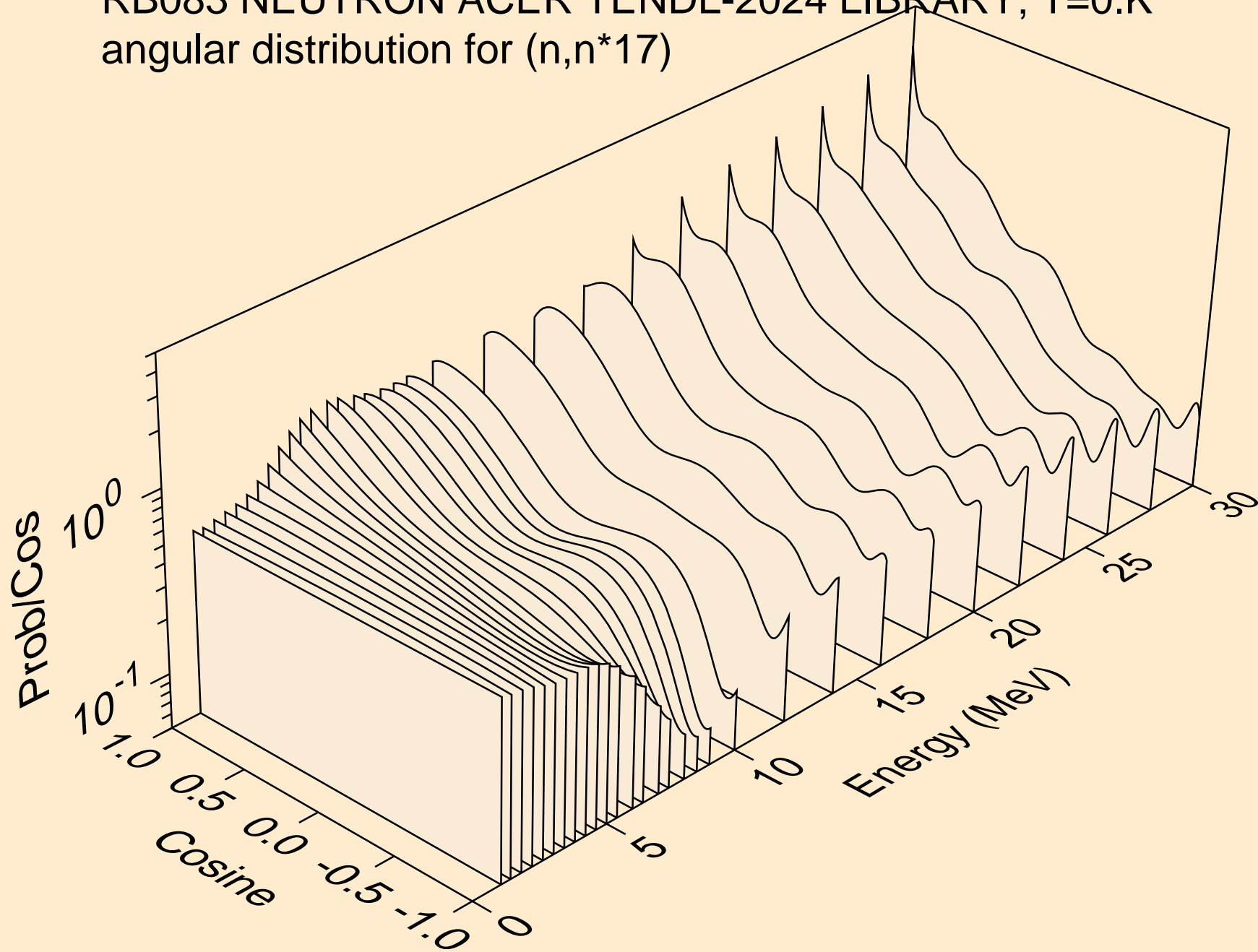
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angular distribution for (n,n\*15)



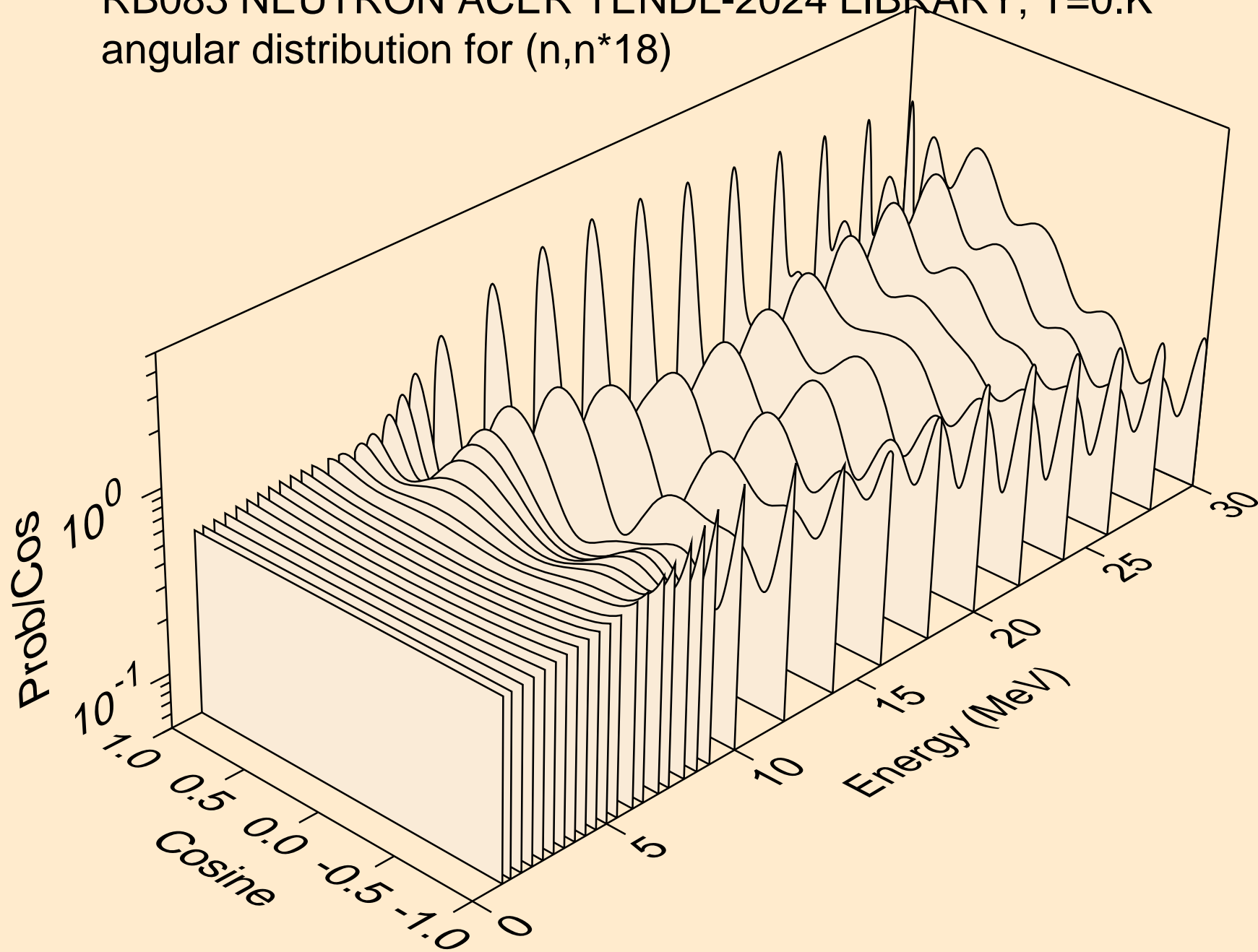
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*17)

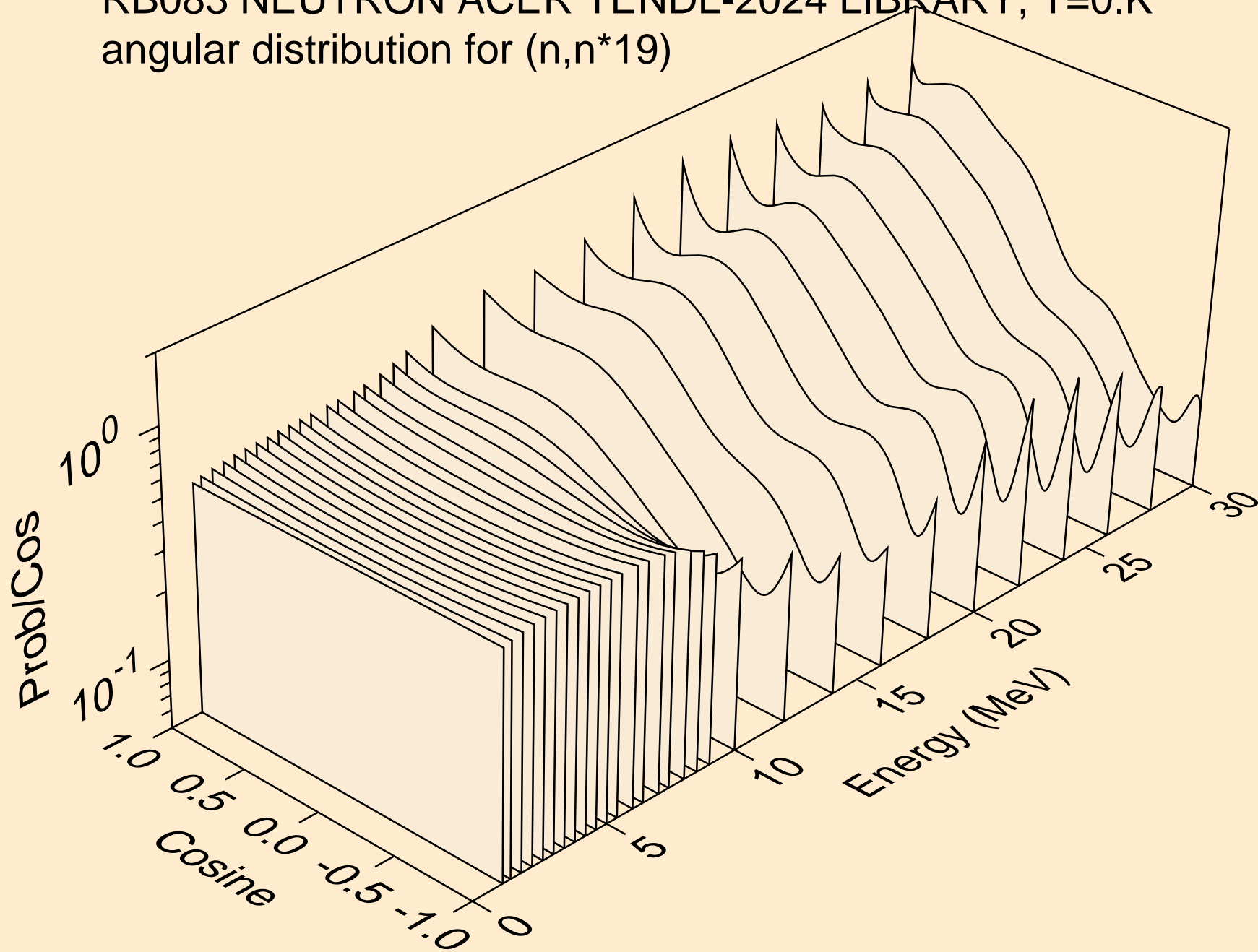


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angular distribution for (n,n\*18)

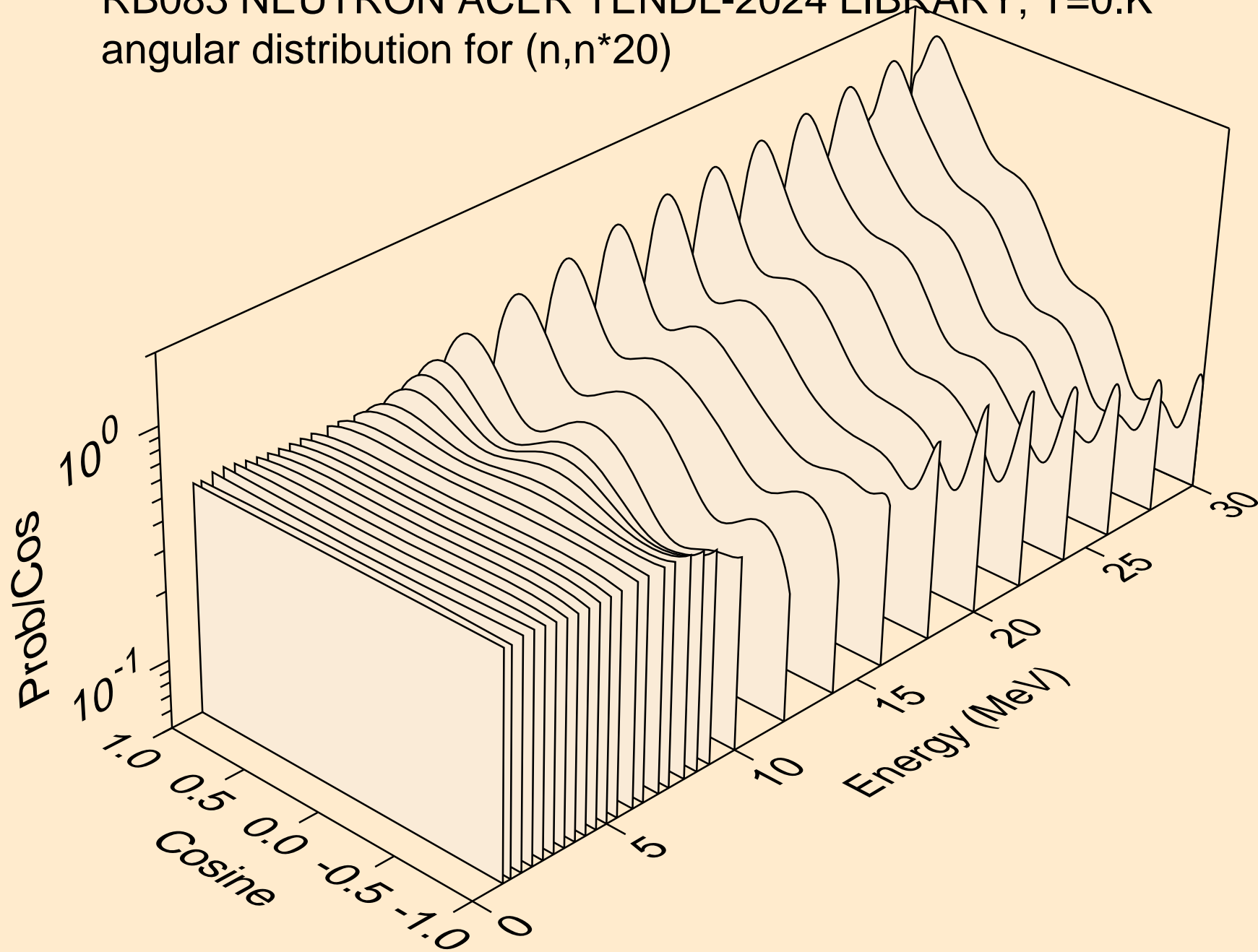




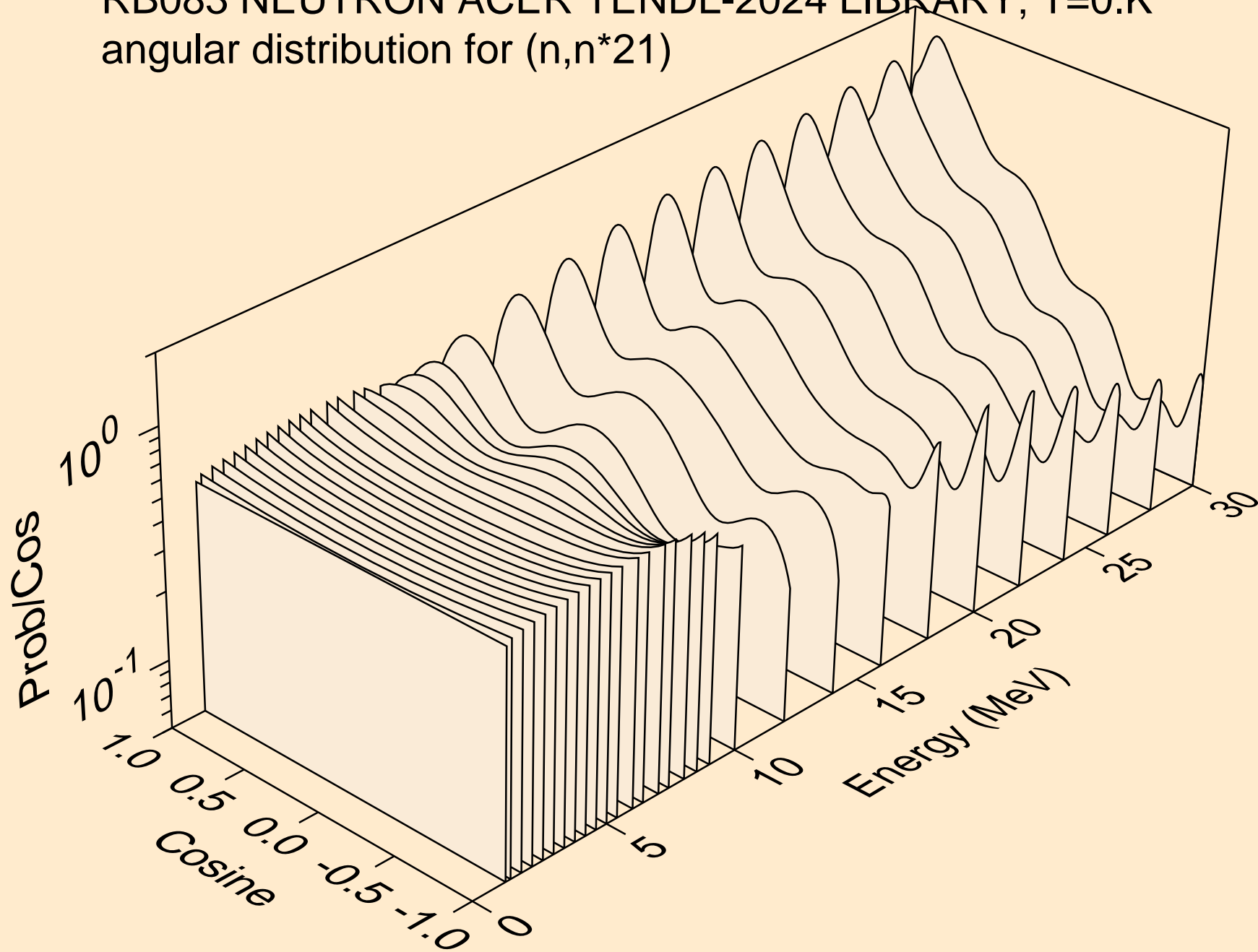
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angular distribution for (n,n\*19)



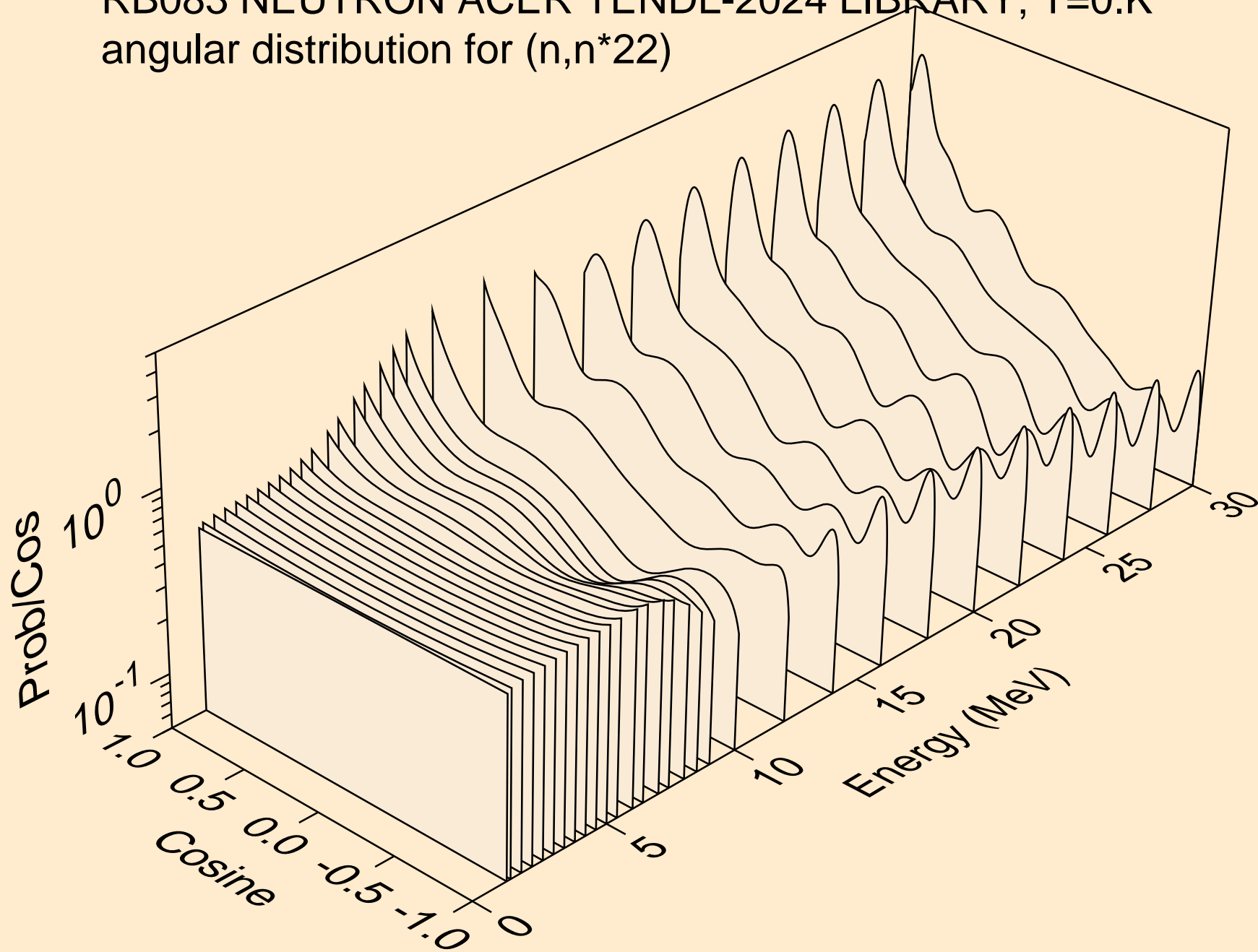
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angular distribution for (n,n\*20)



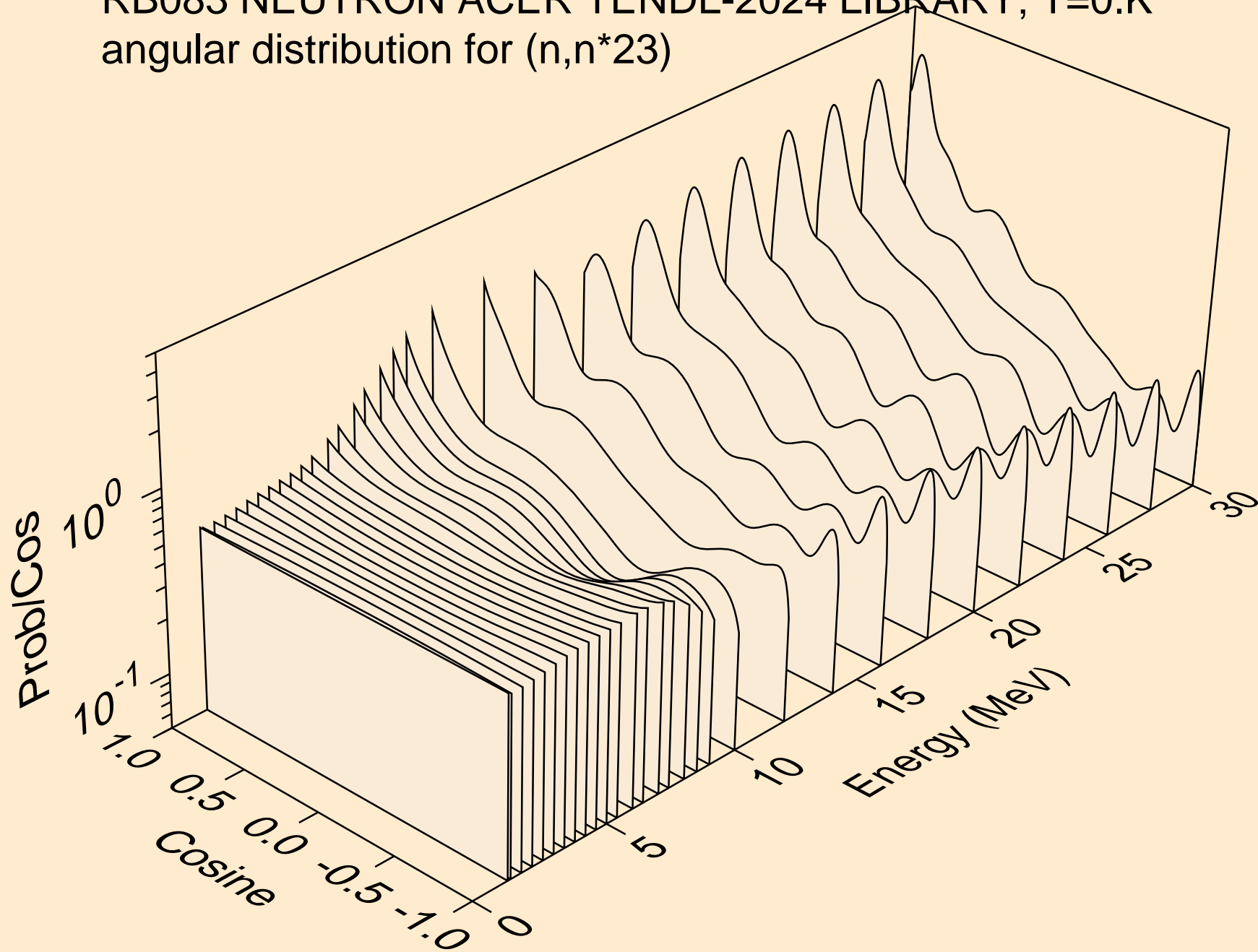
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angular distribution for (n,n\*21)



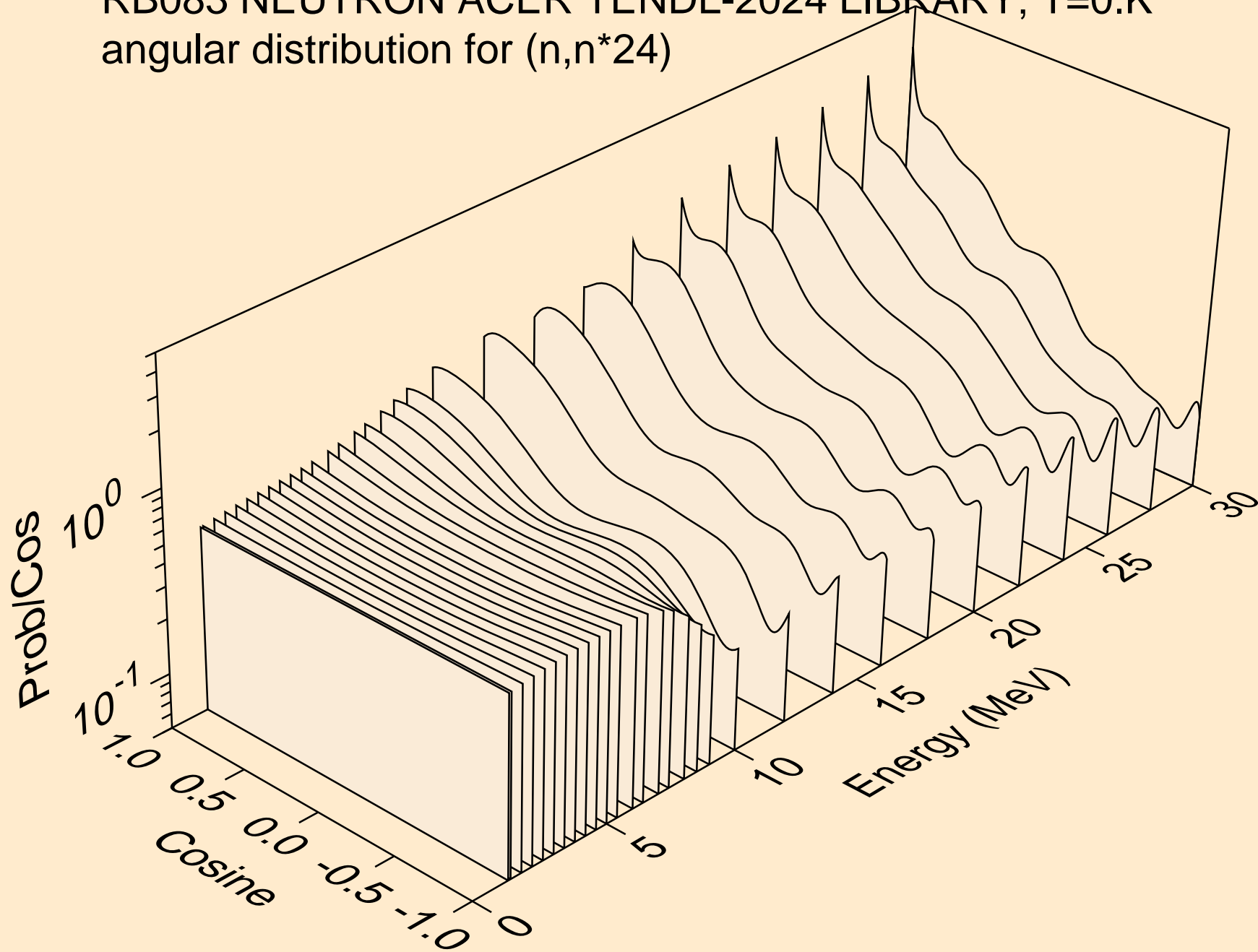
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angular distribution for (n,n\*22)



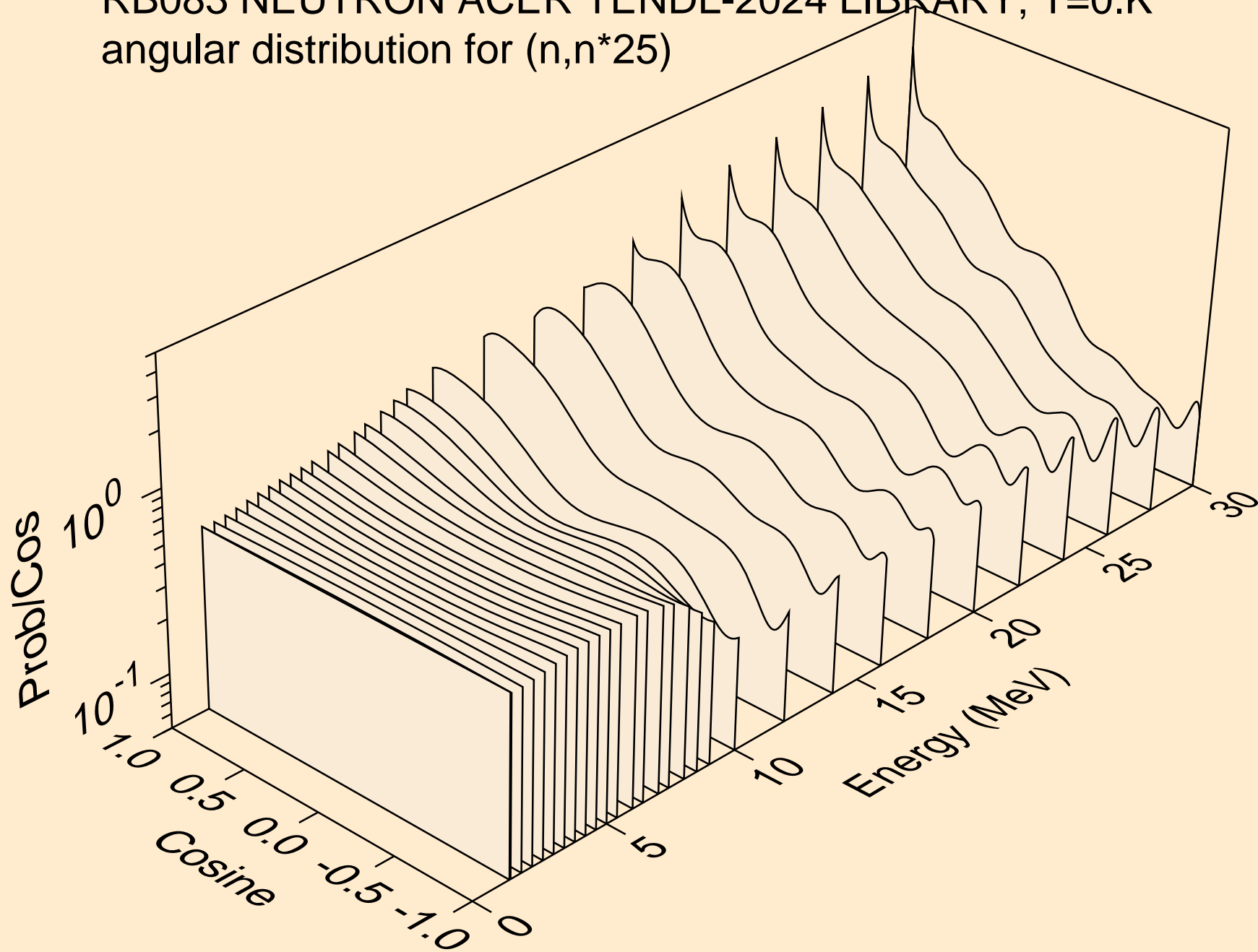
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angular distribution for (n,n\*23)



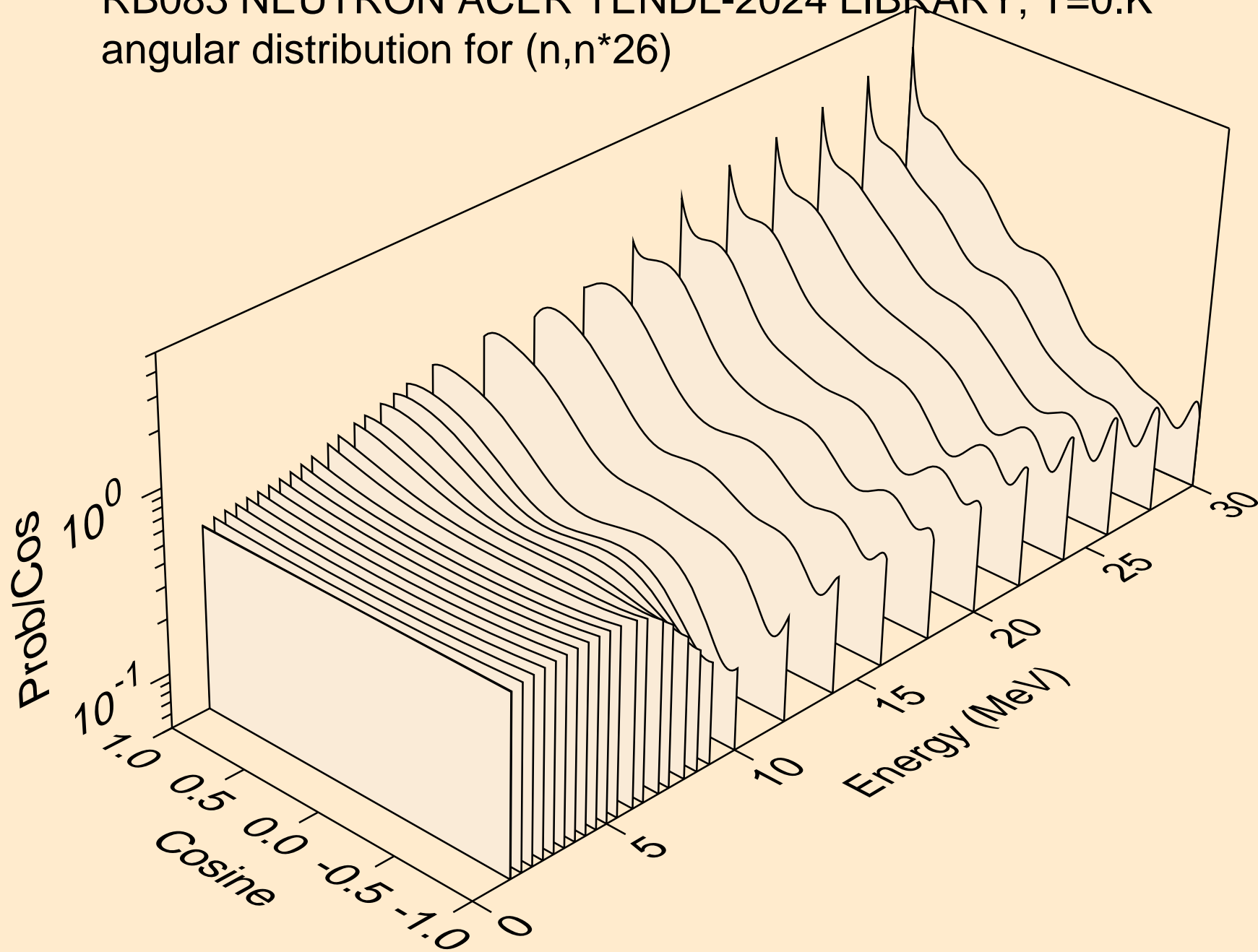
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*24)



RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*25)

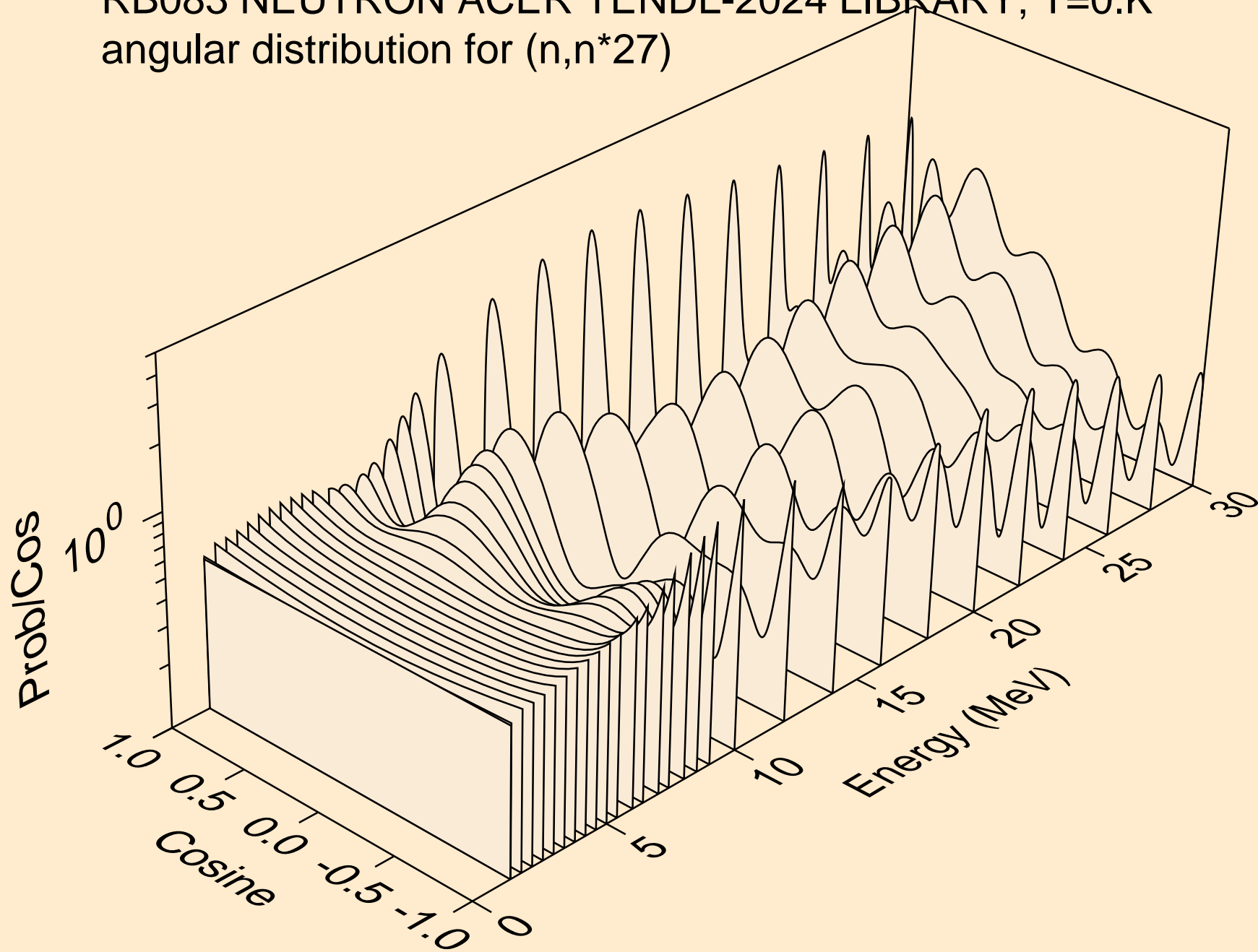


RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)

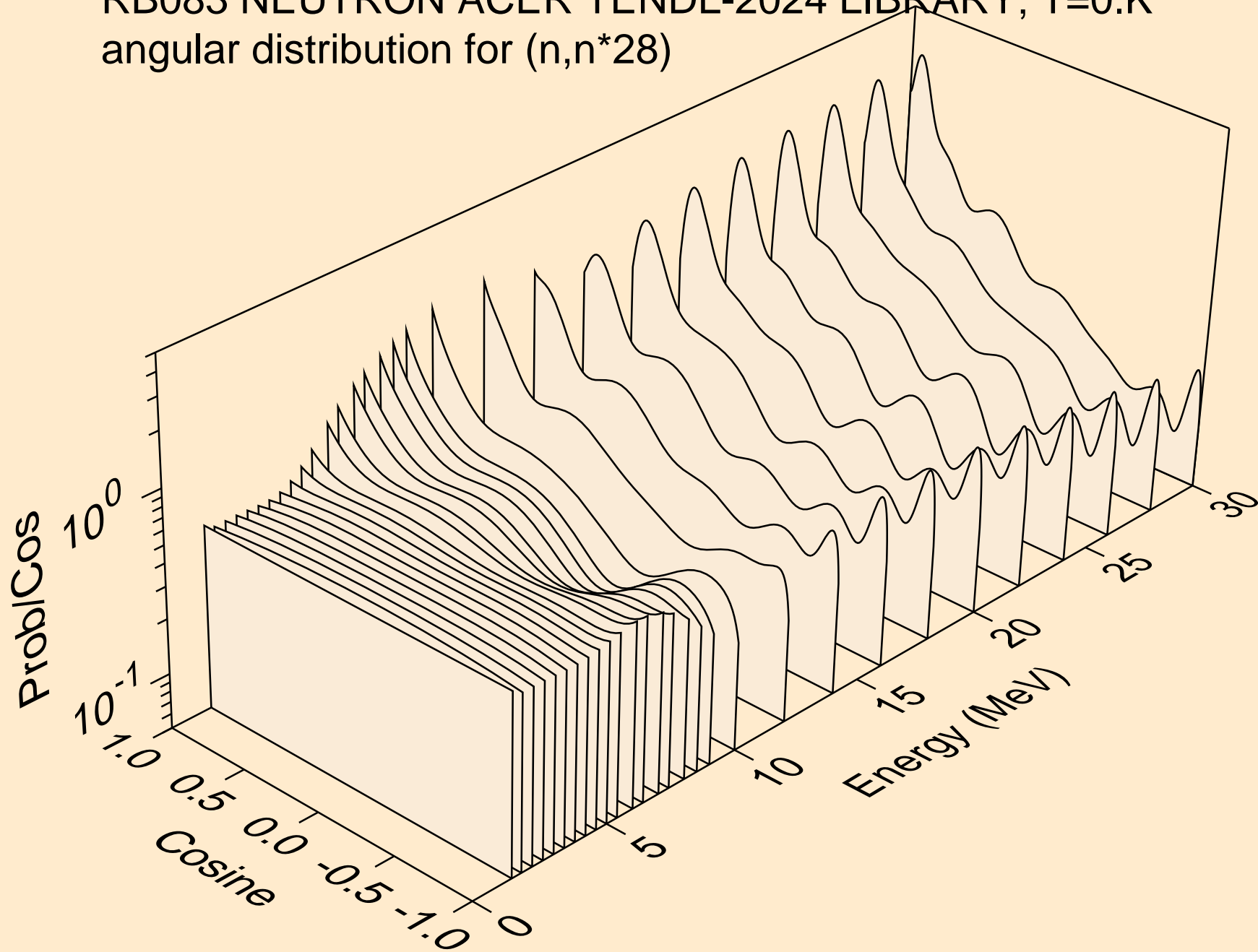




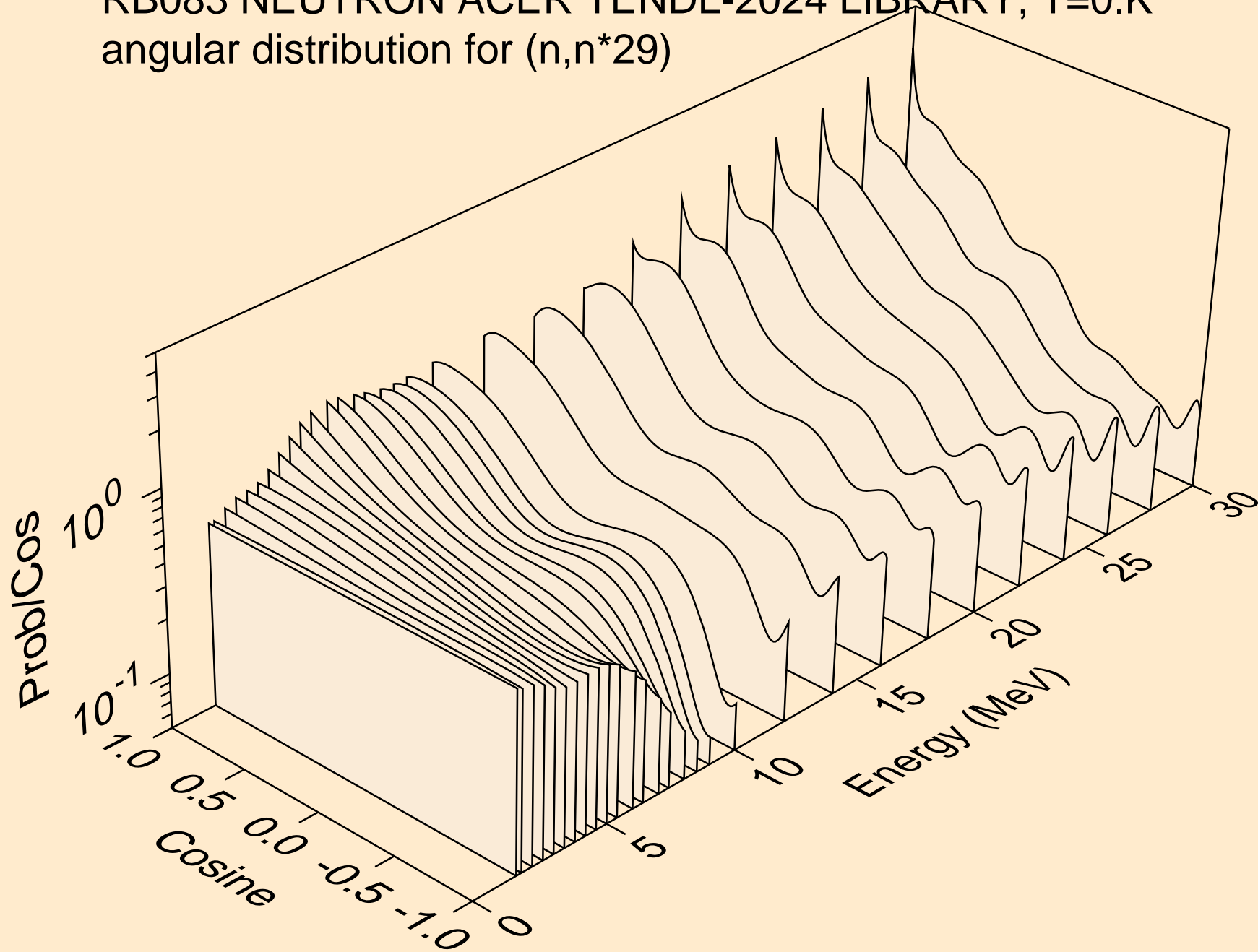
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angular distribution for (n,n\*27)



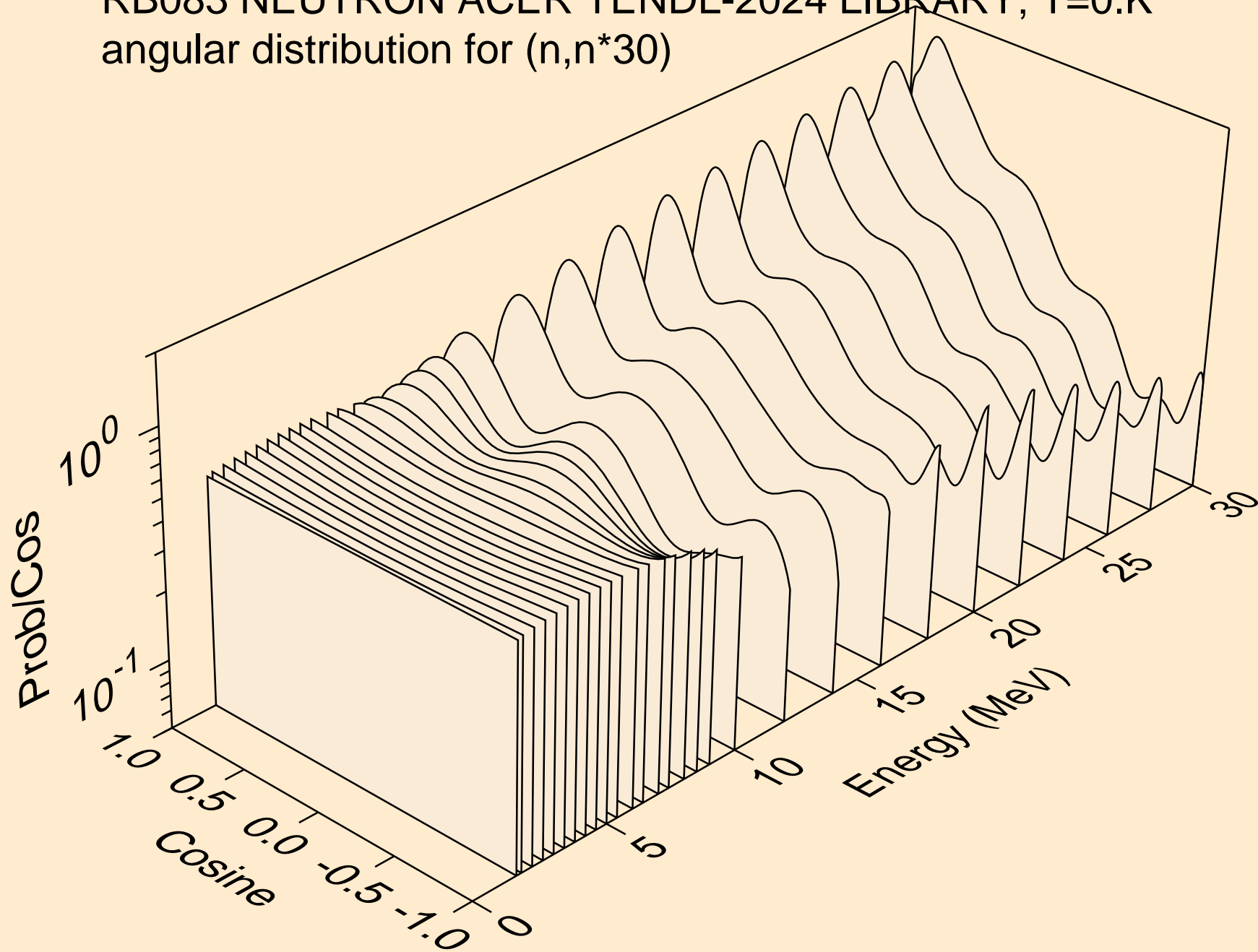
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angular distribution for (n,n\*28)



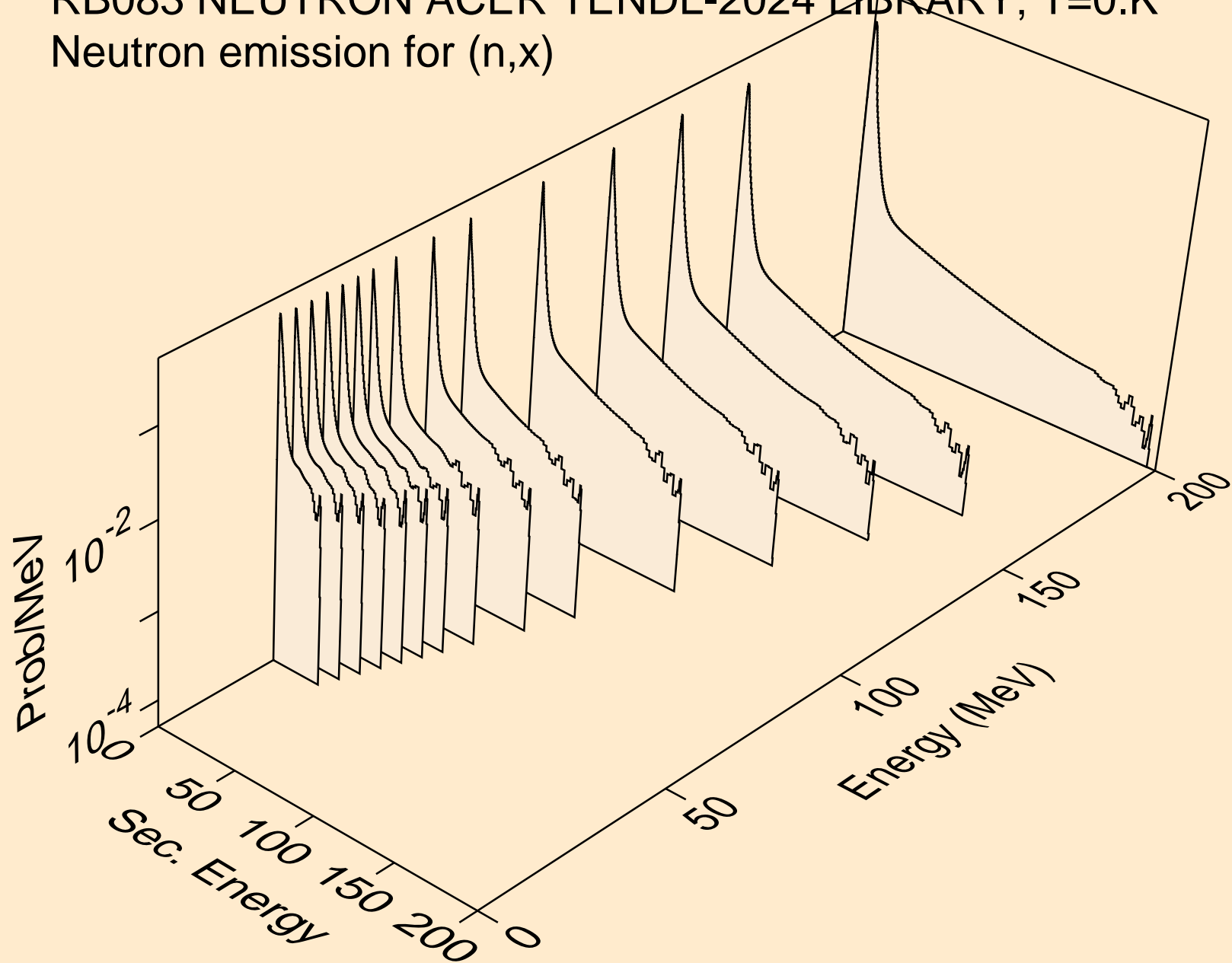
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*29)



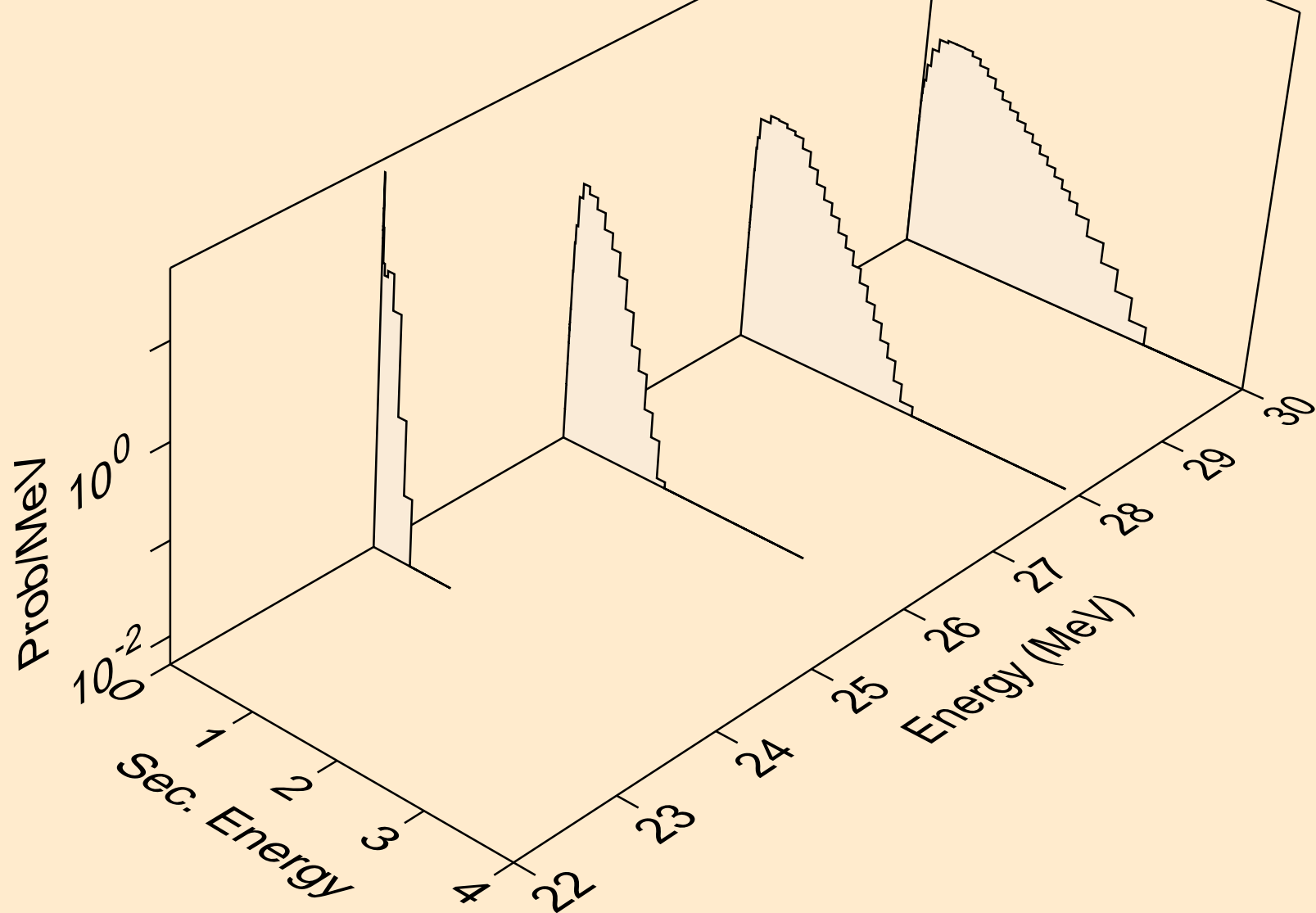
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*30)



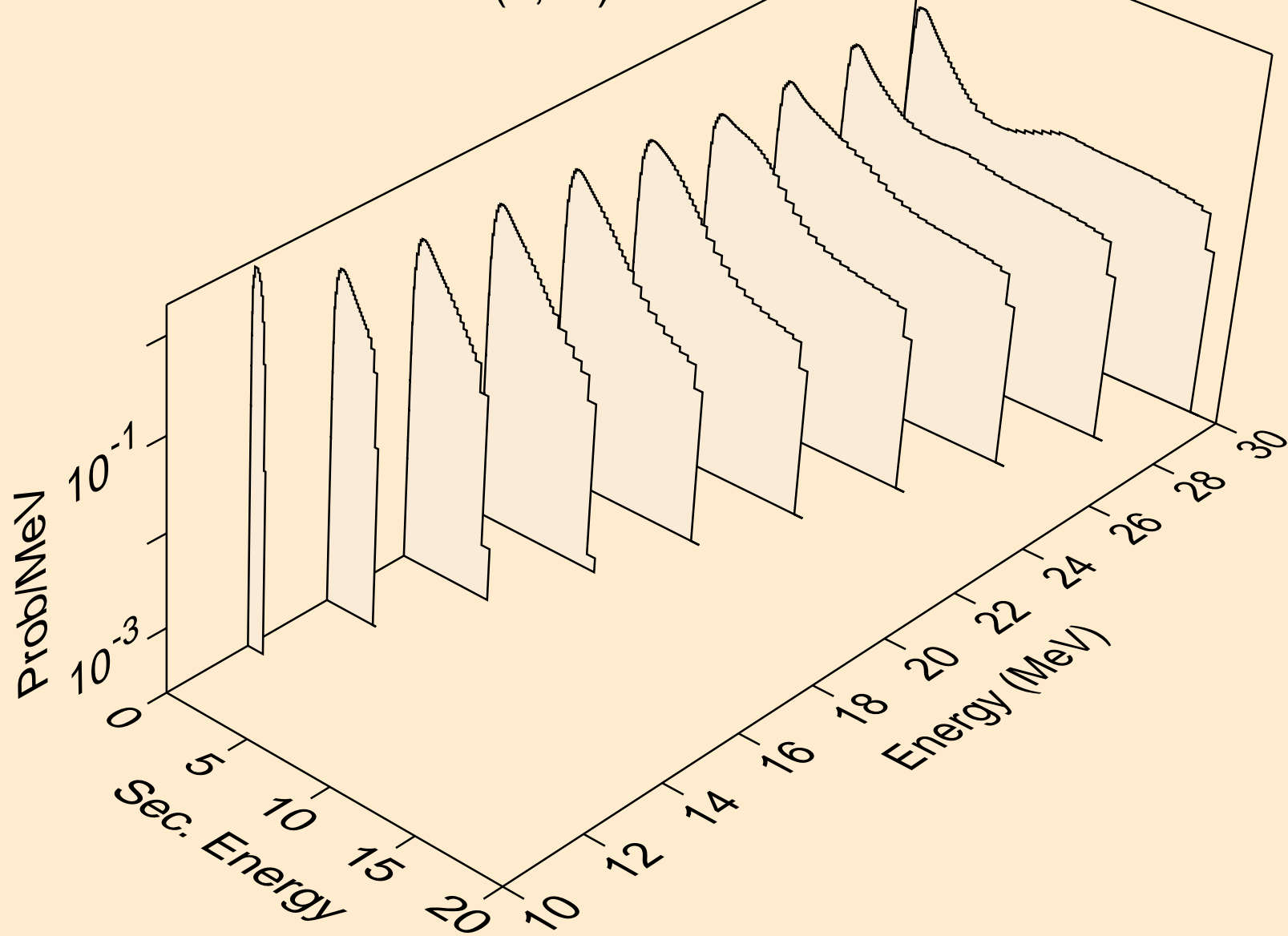
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



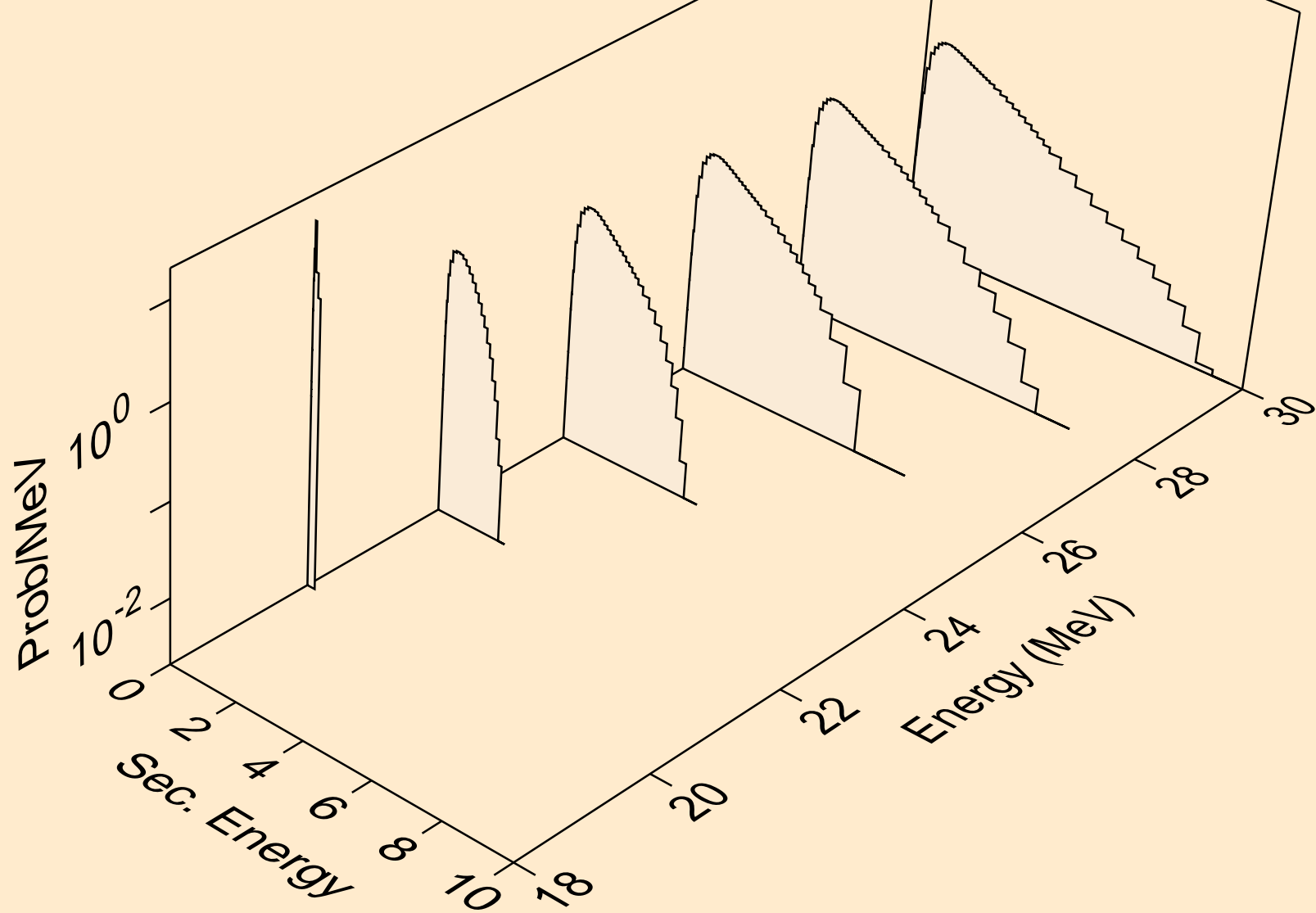
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)

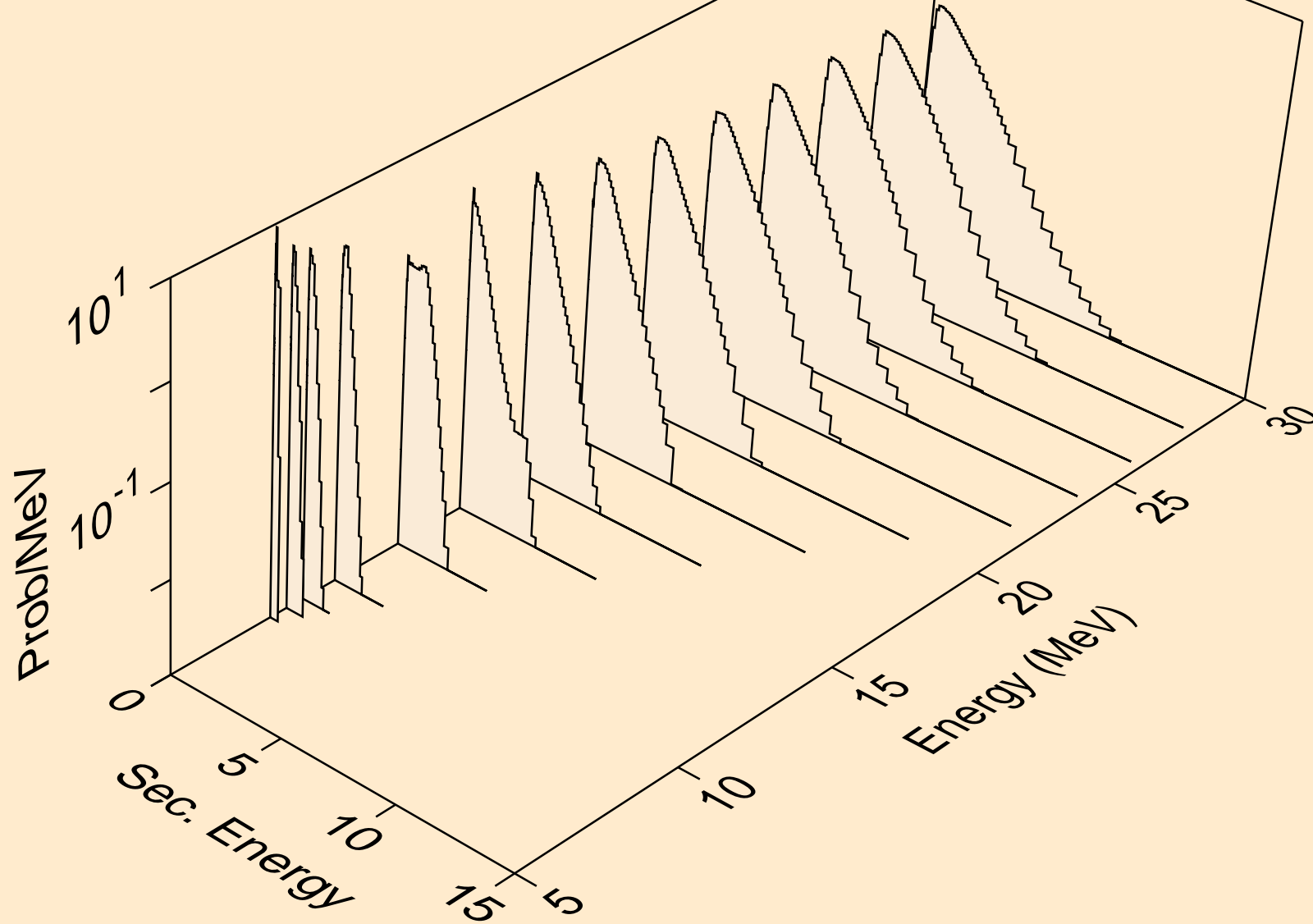


RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)

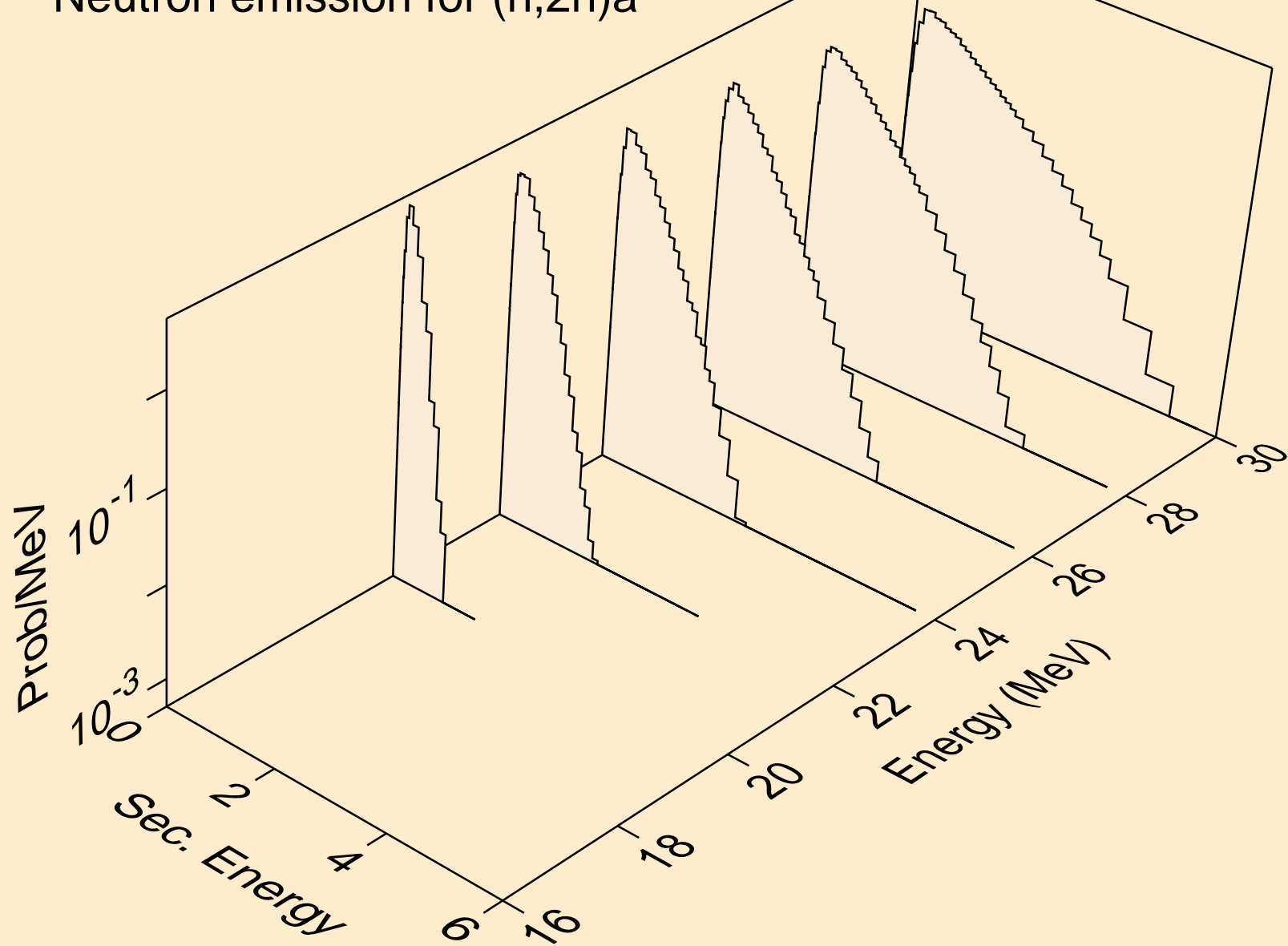




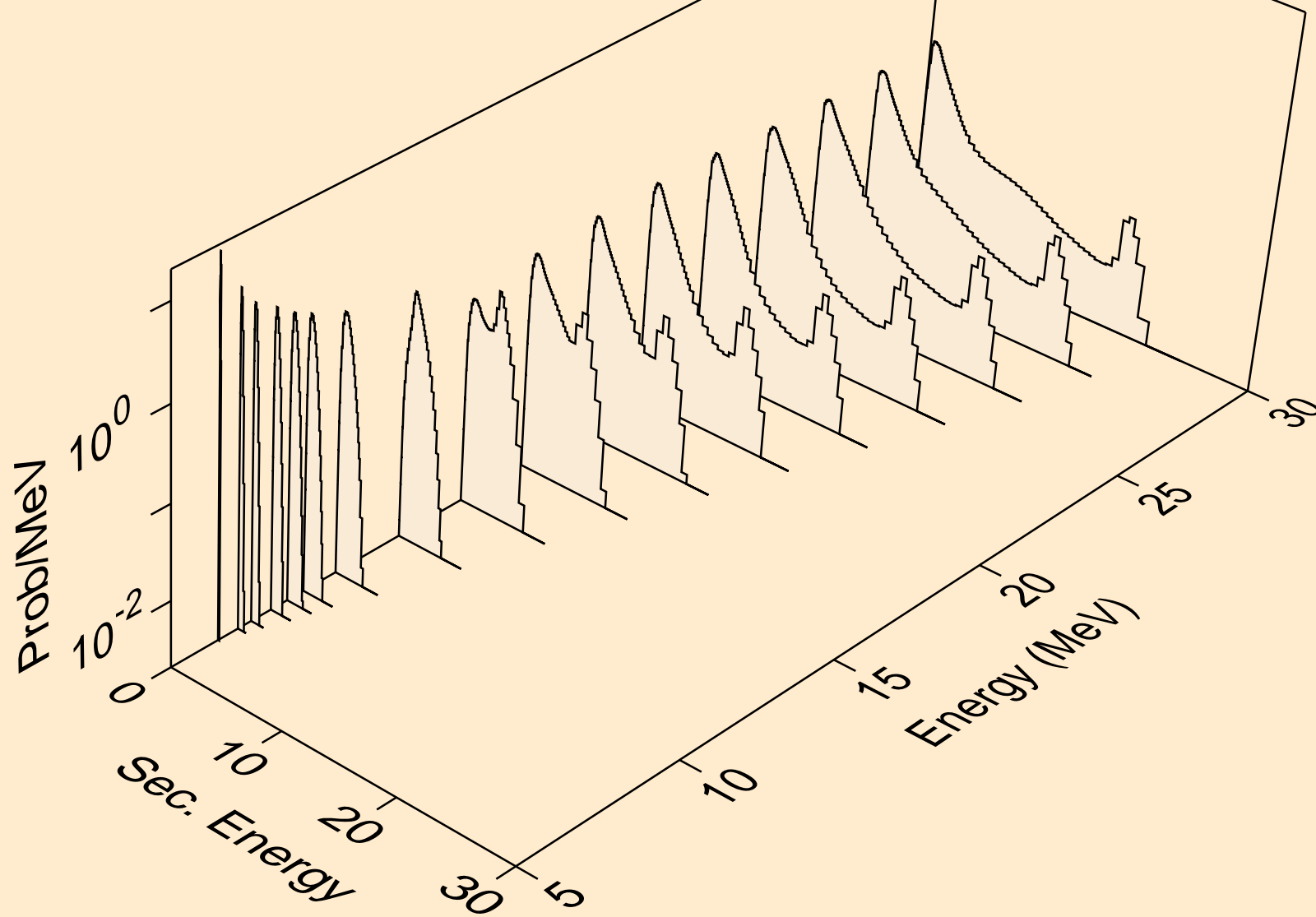
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



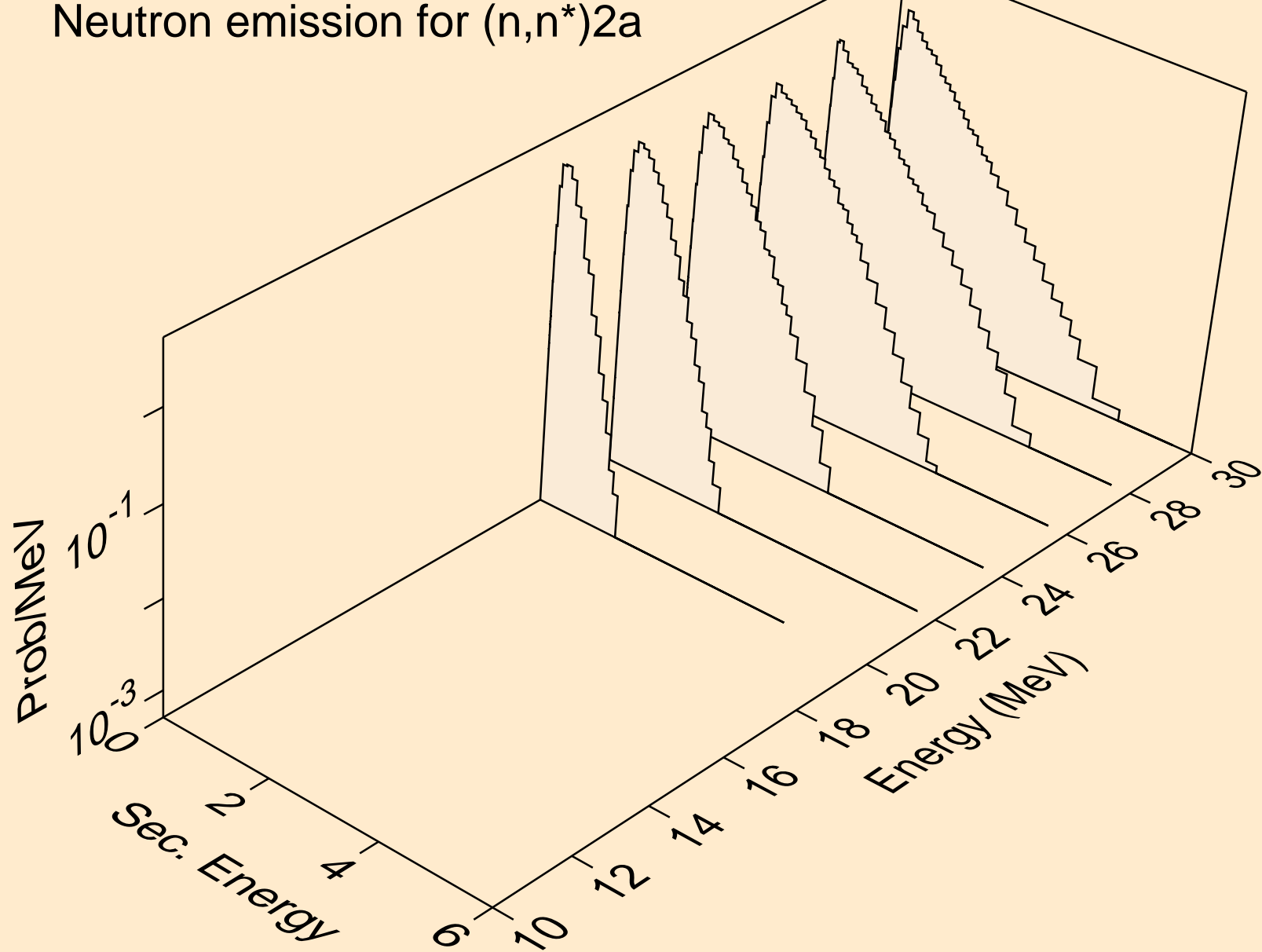
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



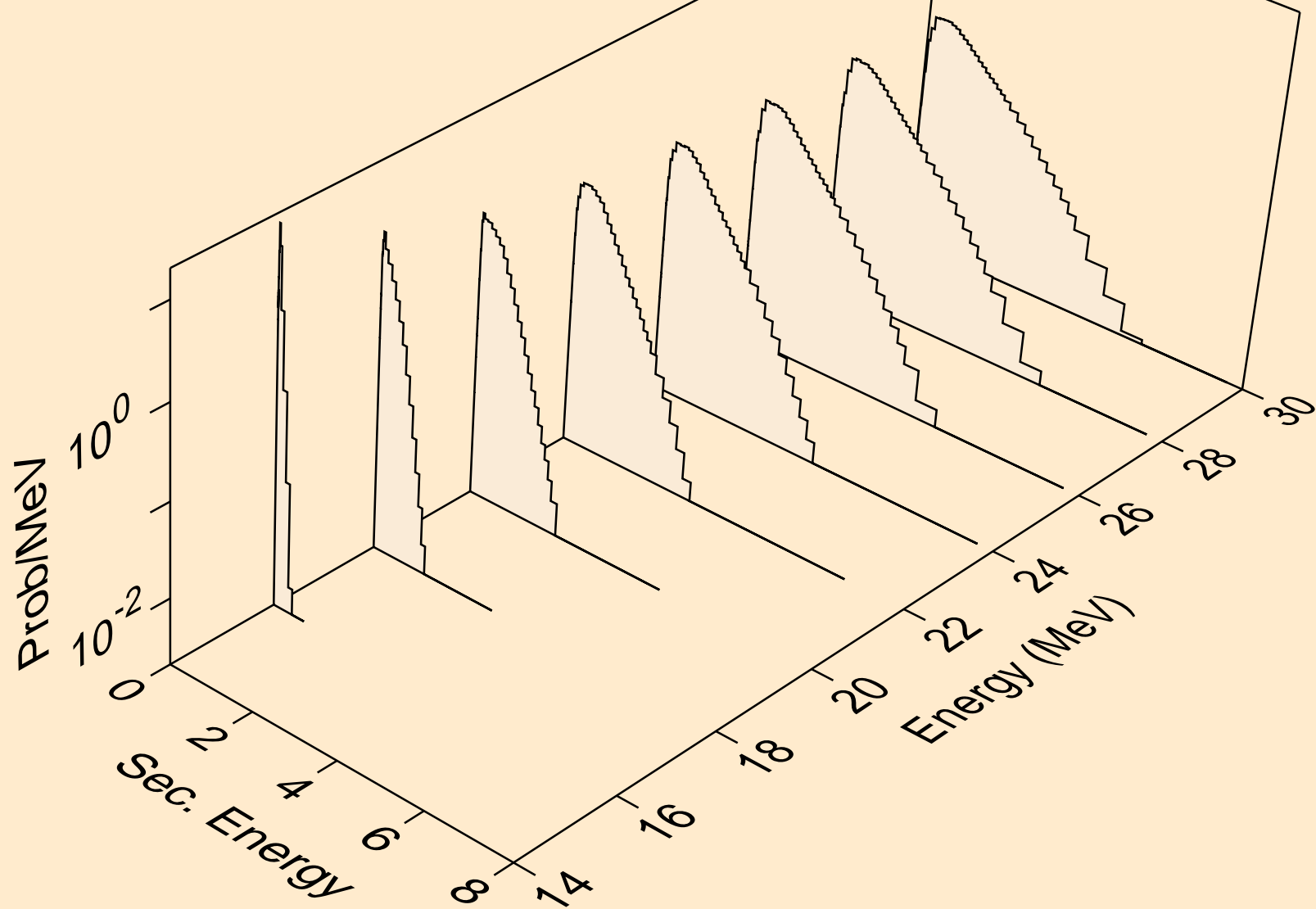
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



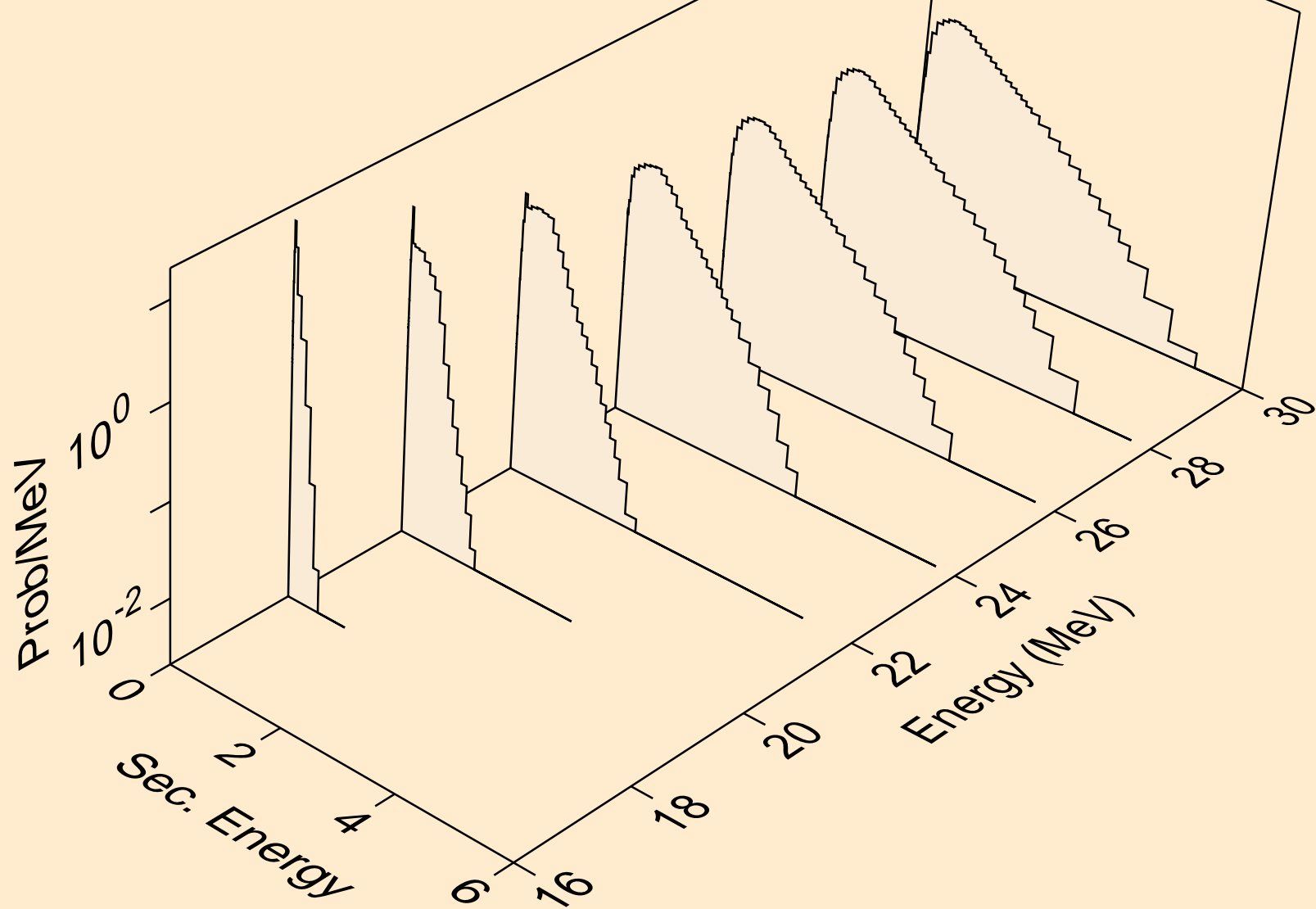
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



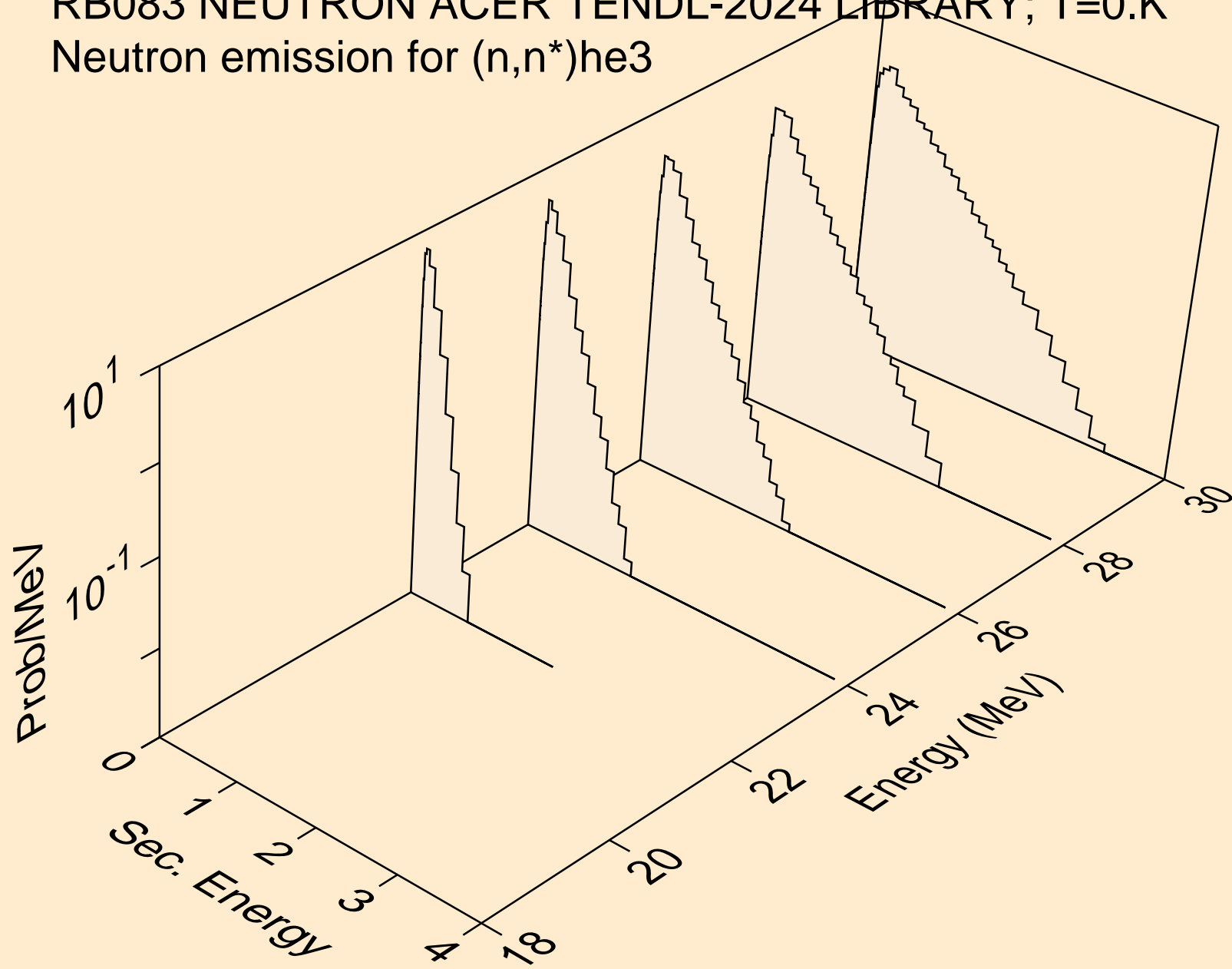
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



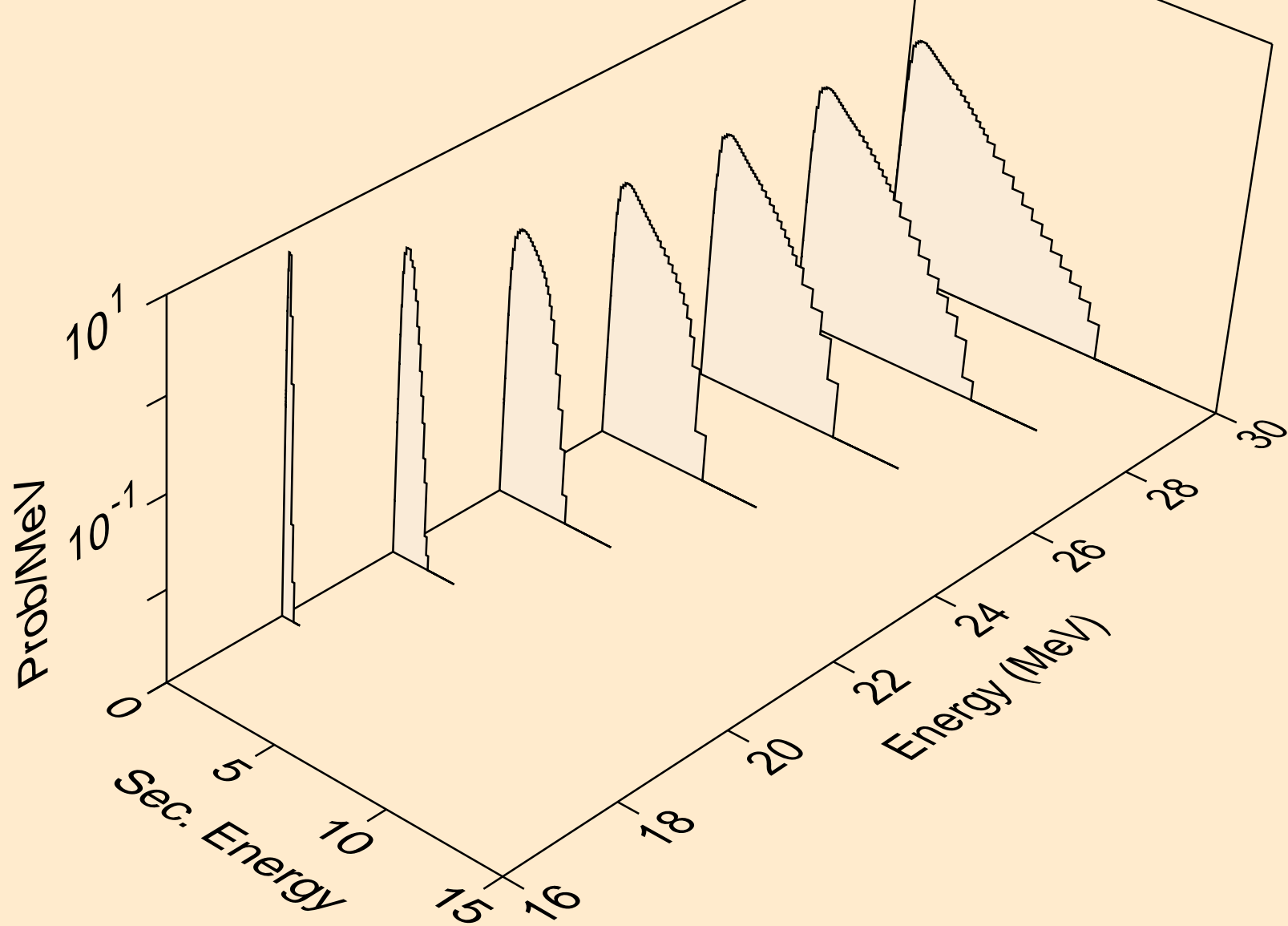
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3

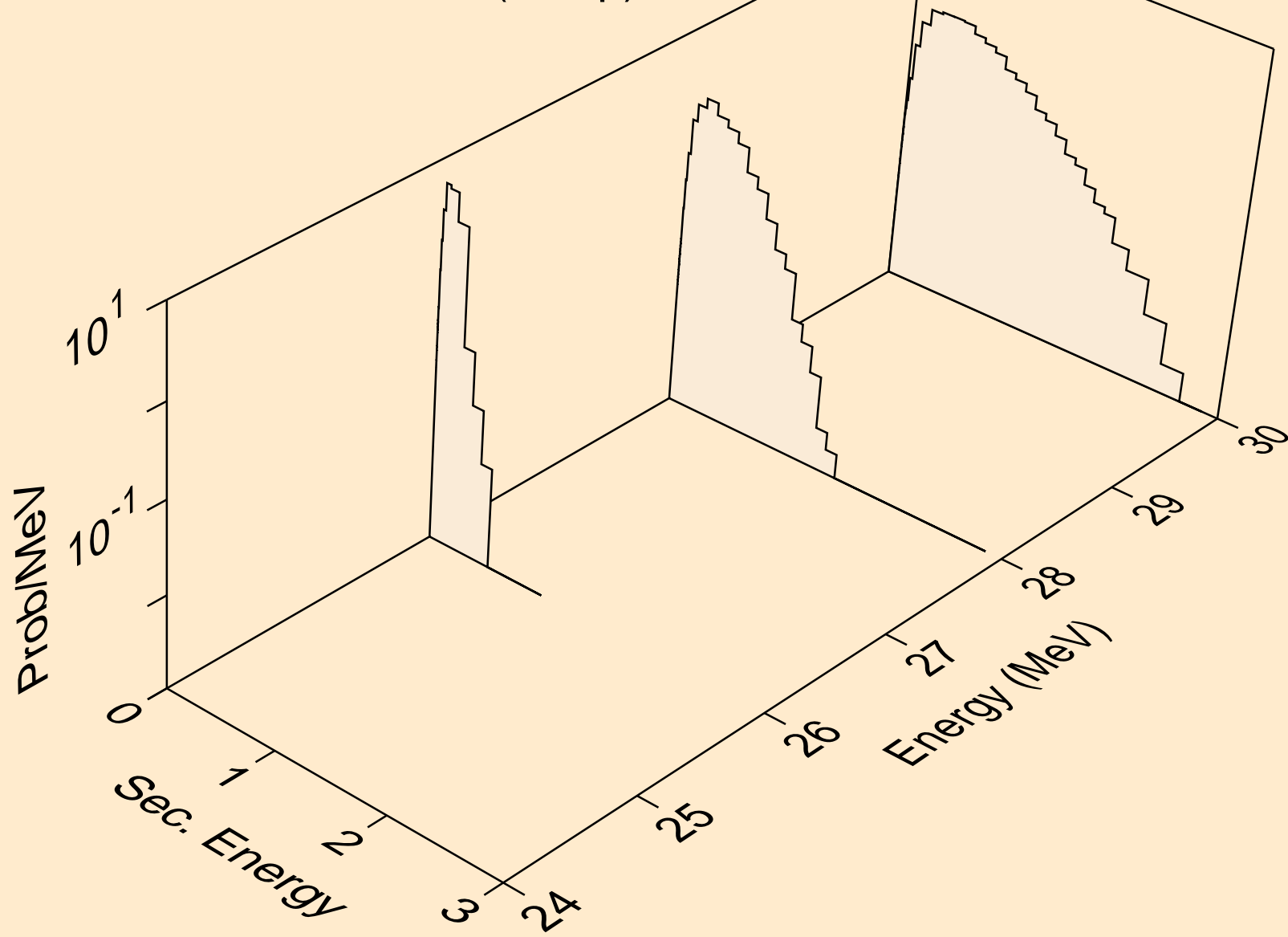


RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)

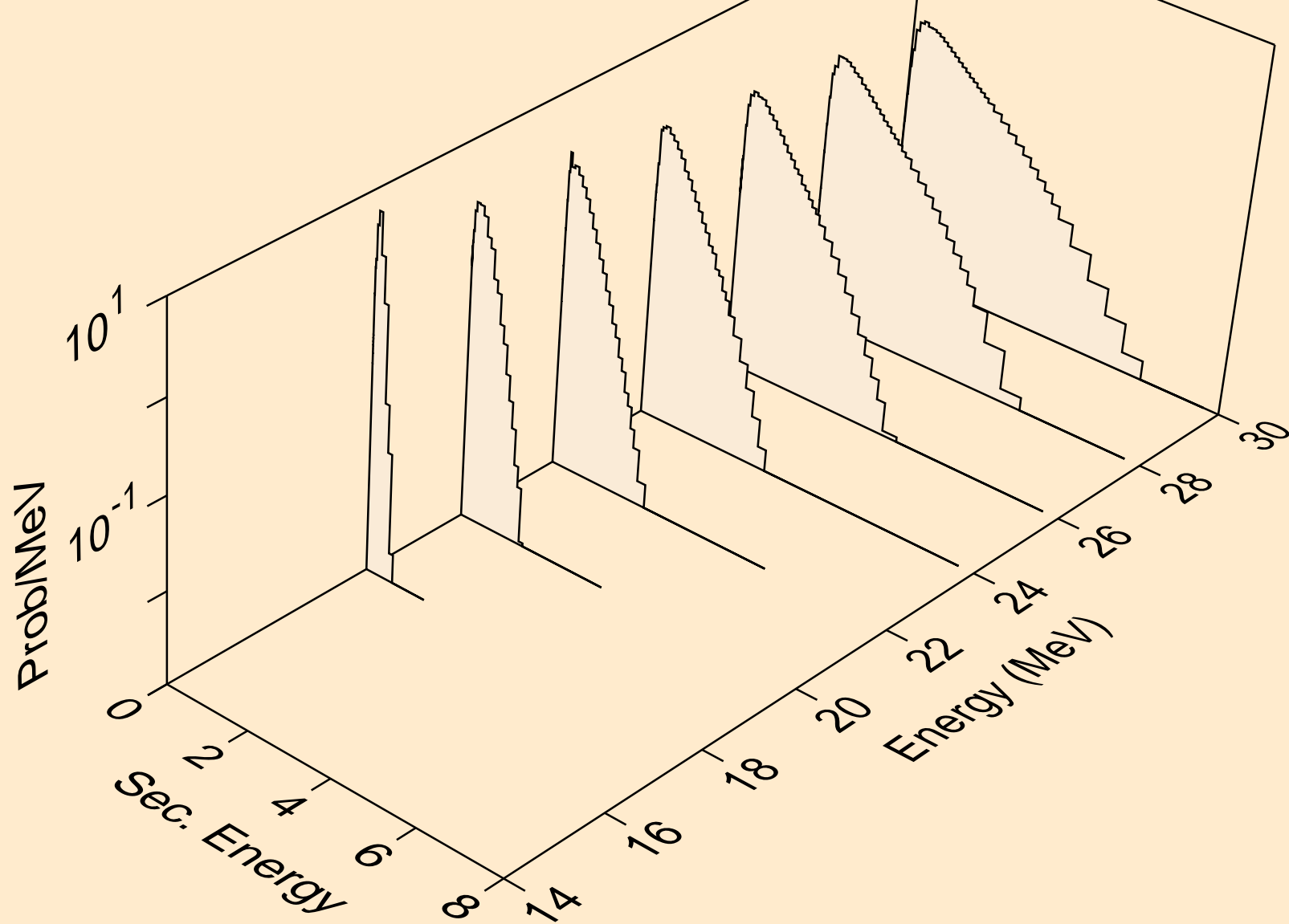




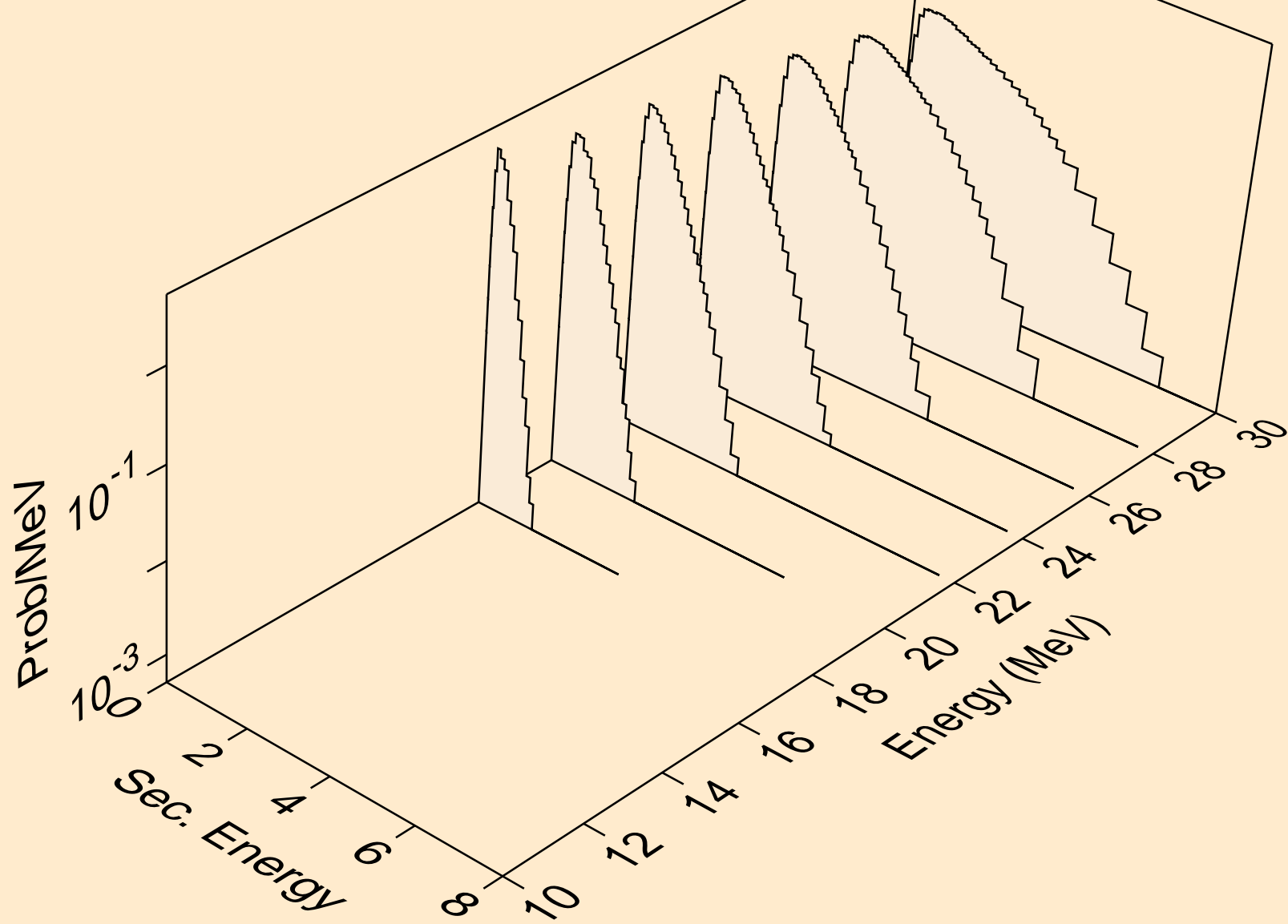
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Neutron emission for (n,3np)



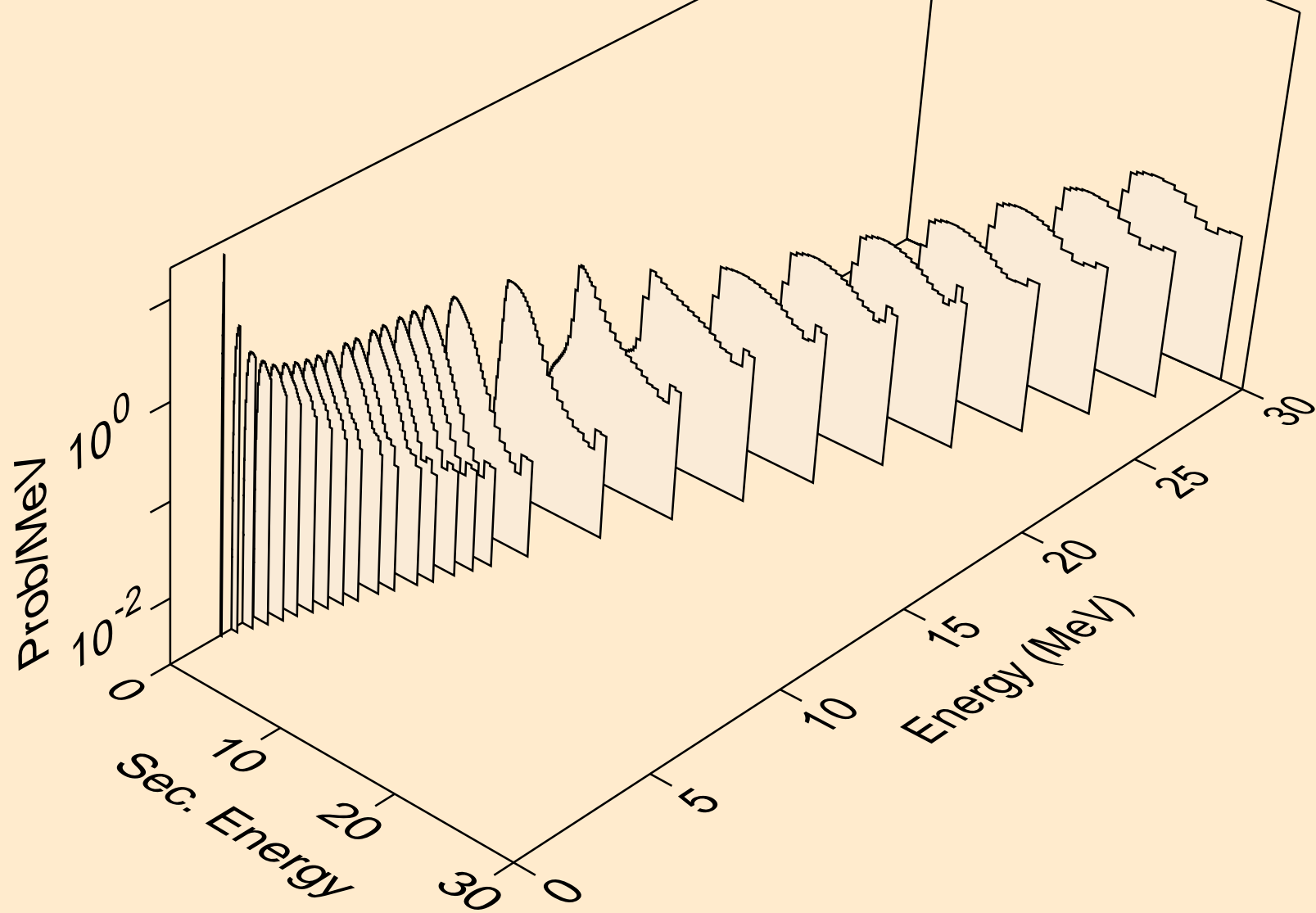
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Neutron emission for (n,n2p)



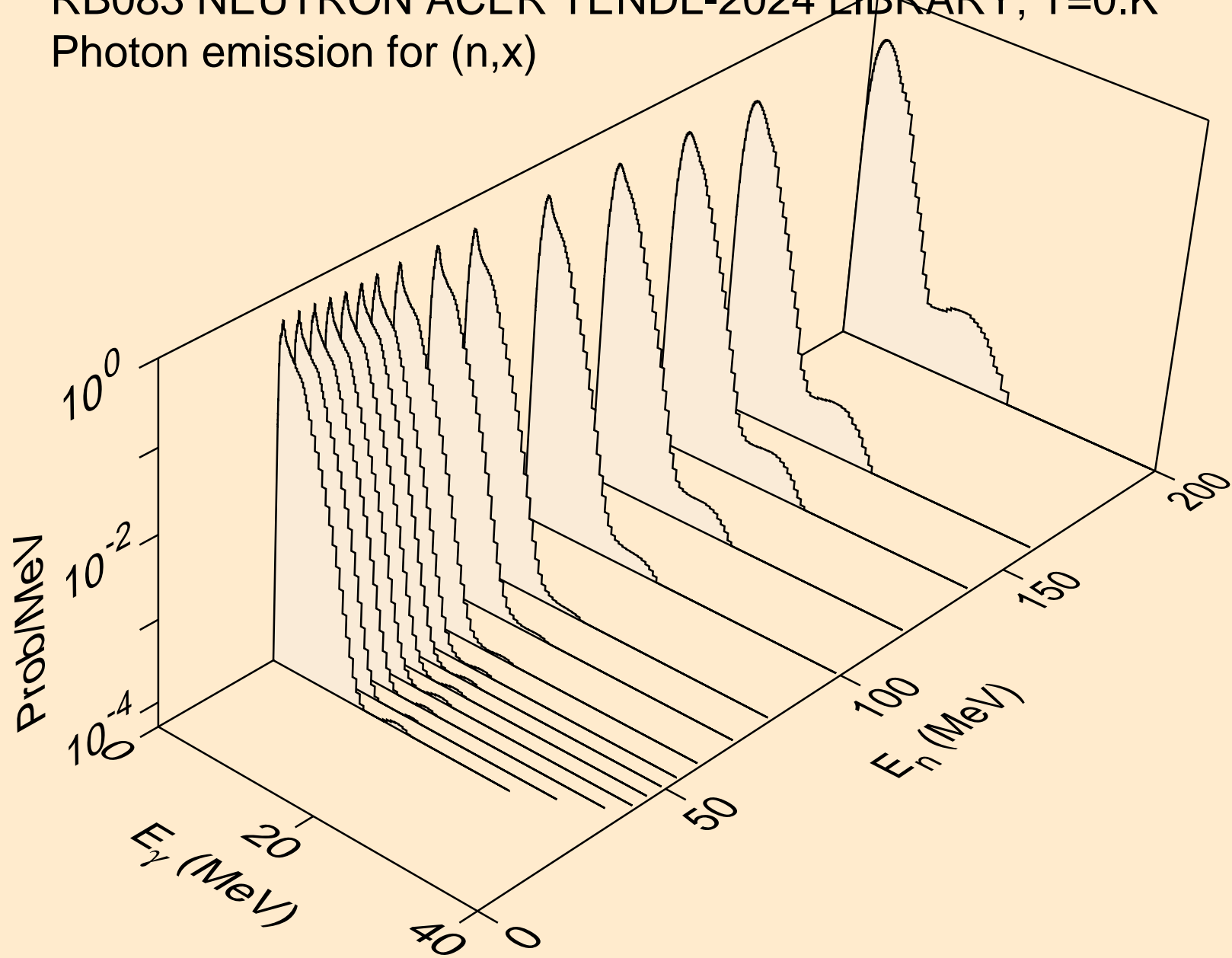
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)



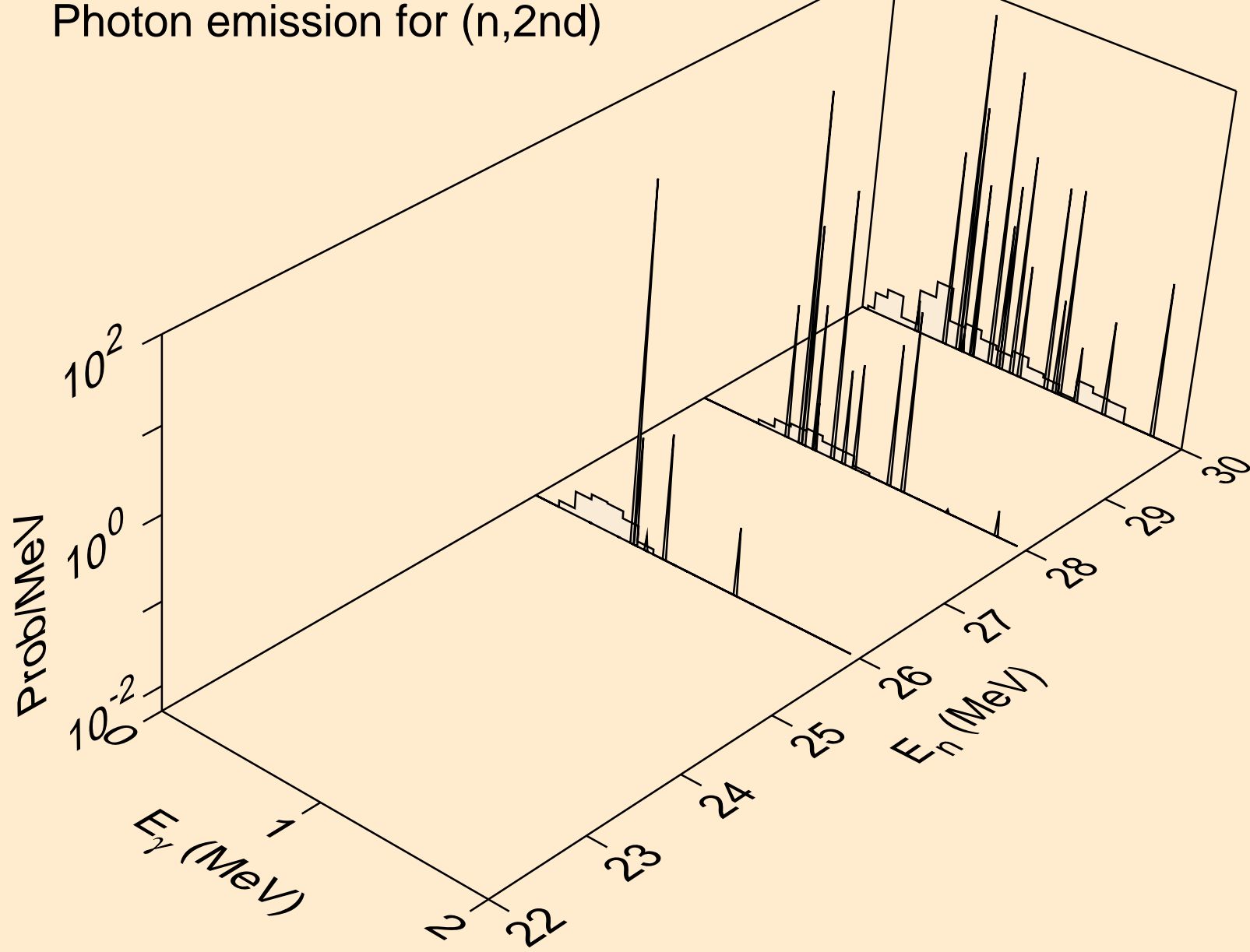
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



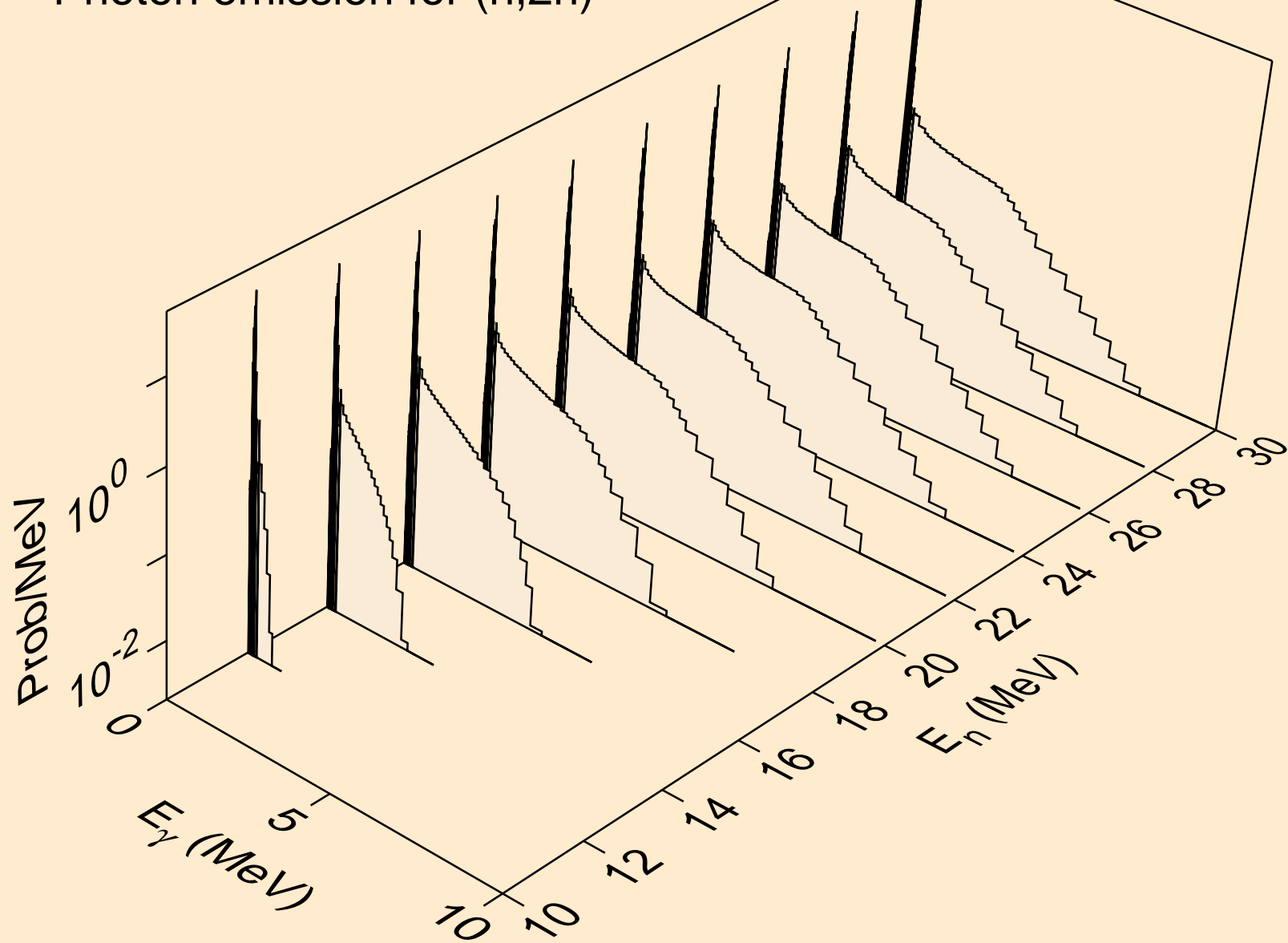
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



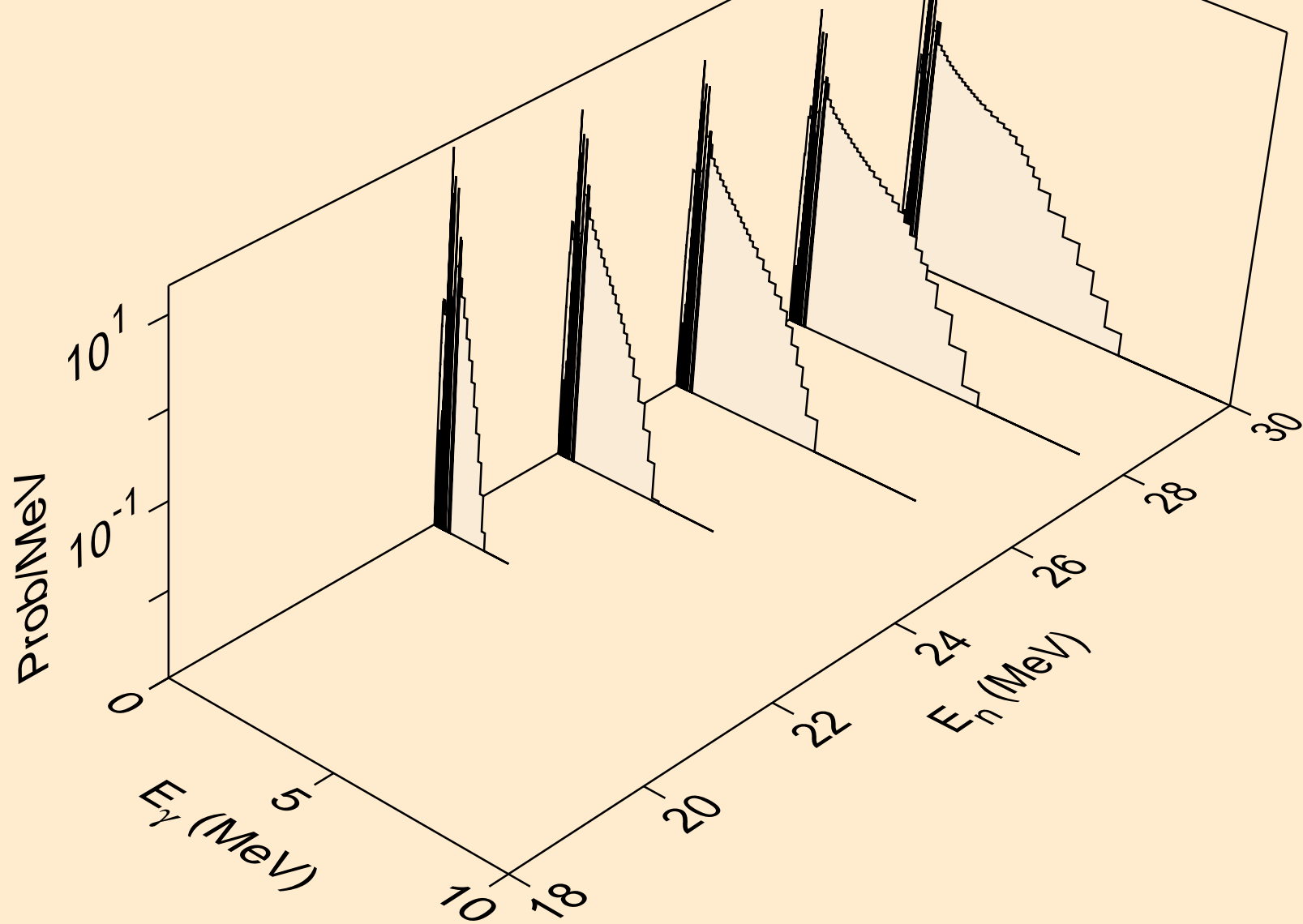
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)

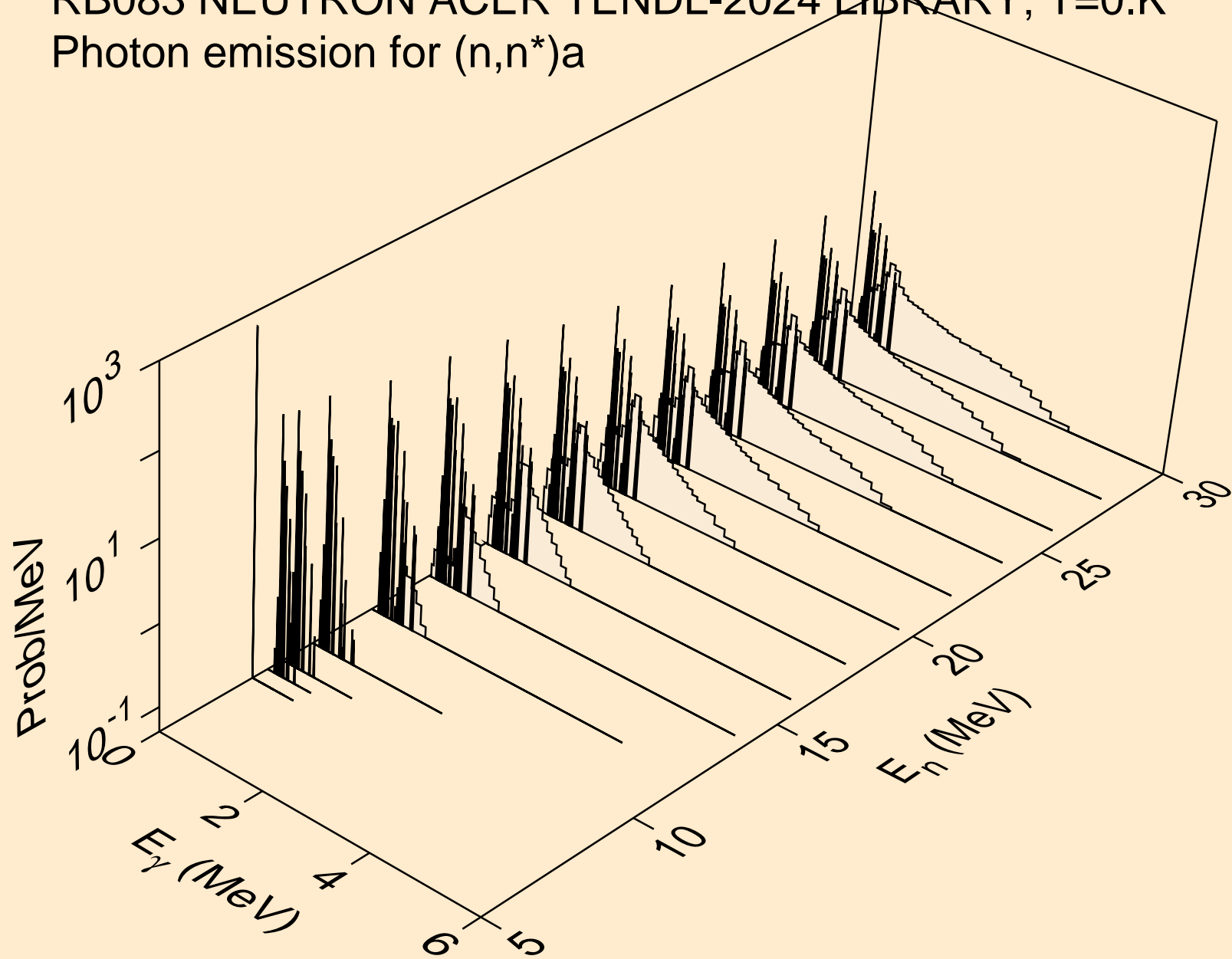


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Photon emission for (n,3n)

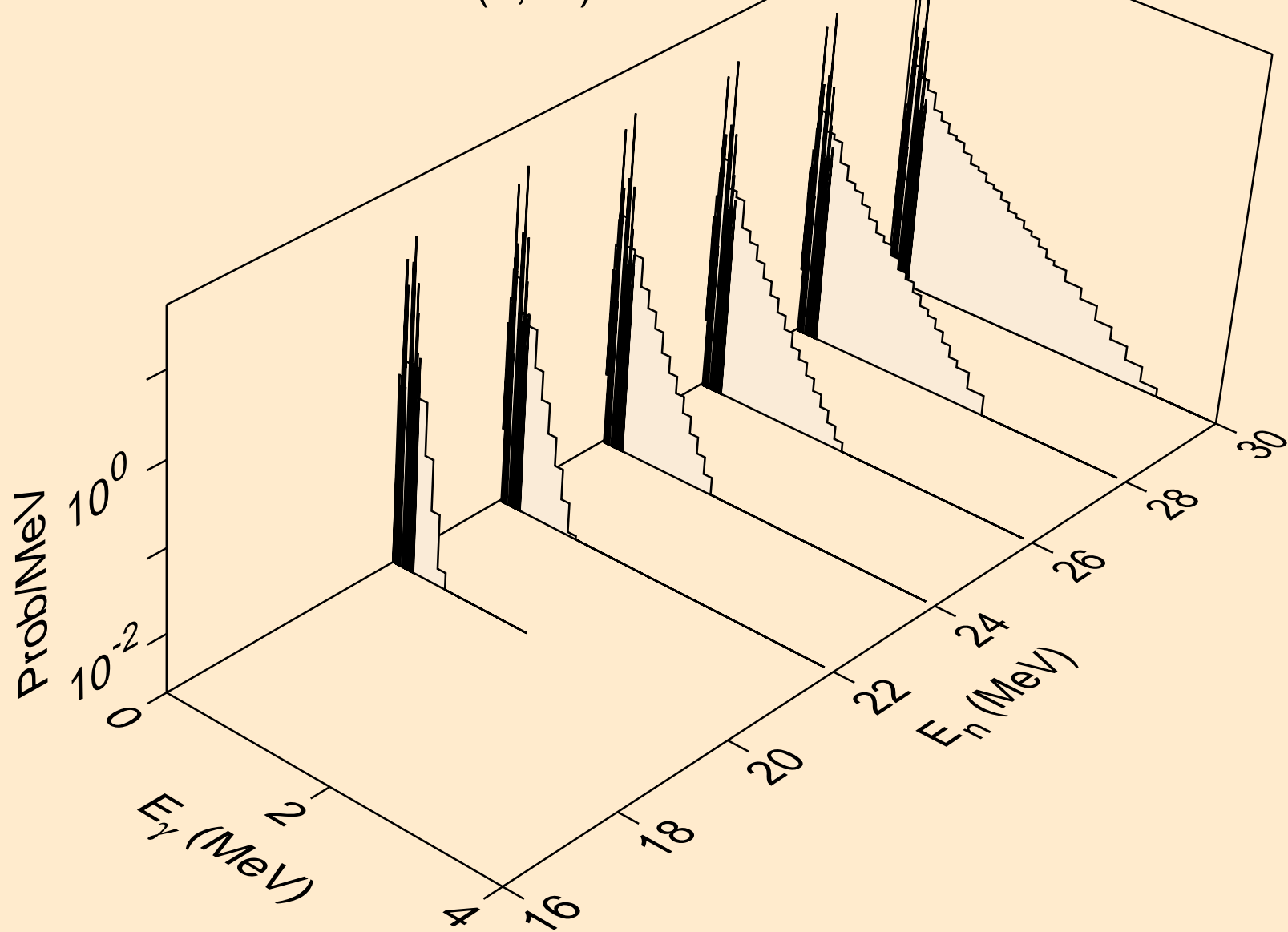




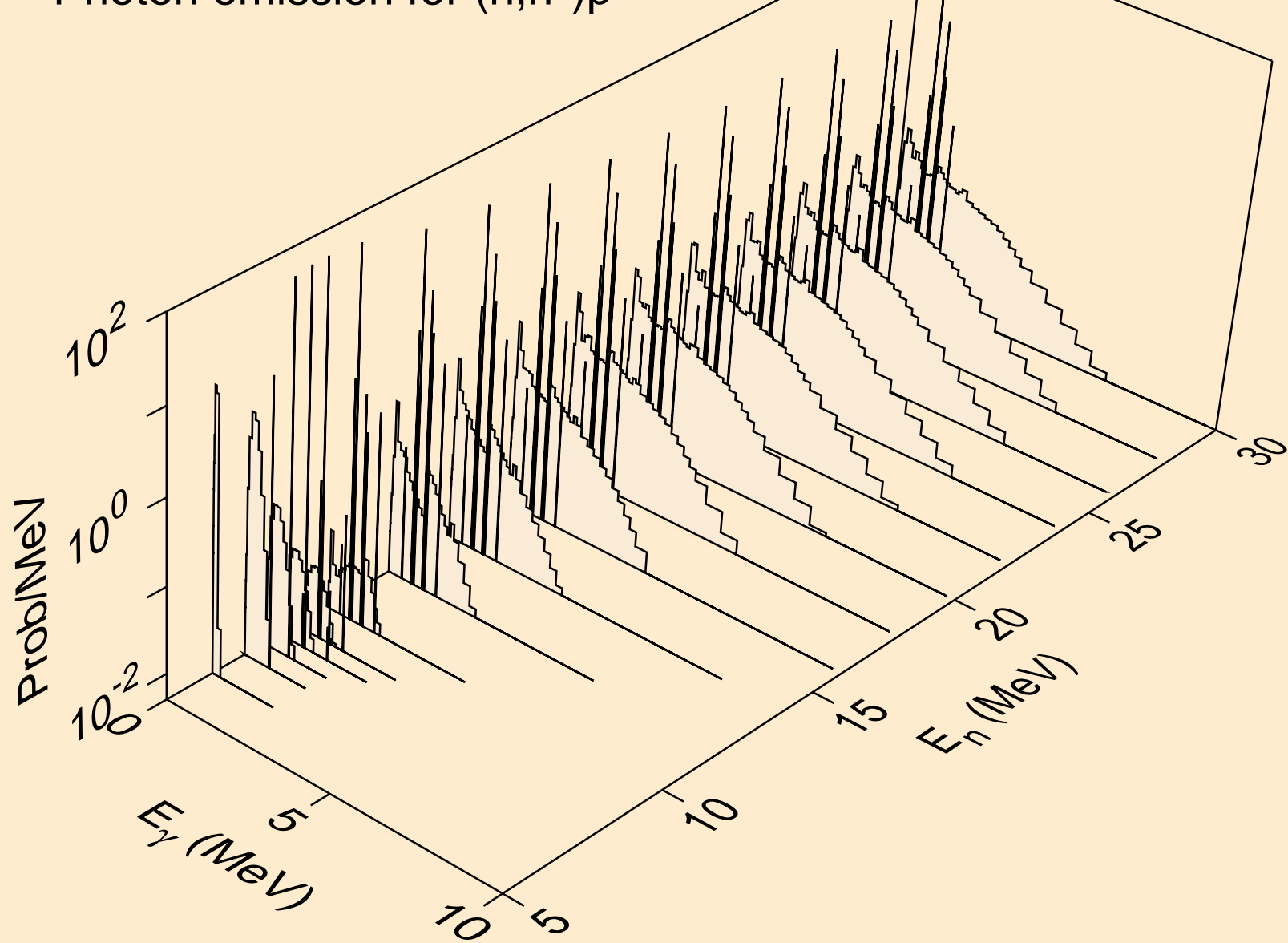
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



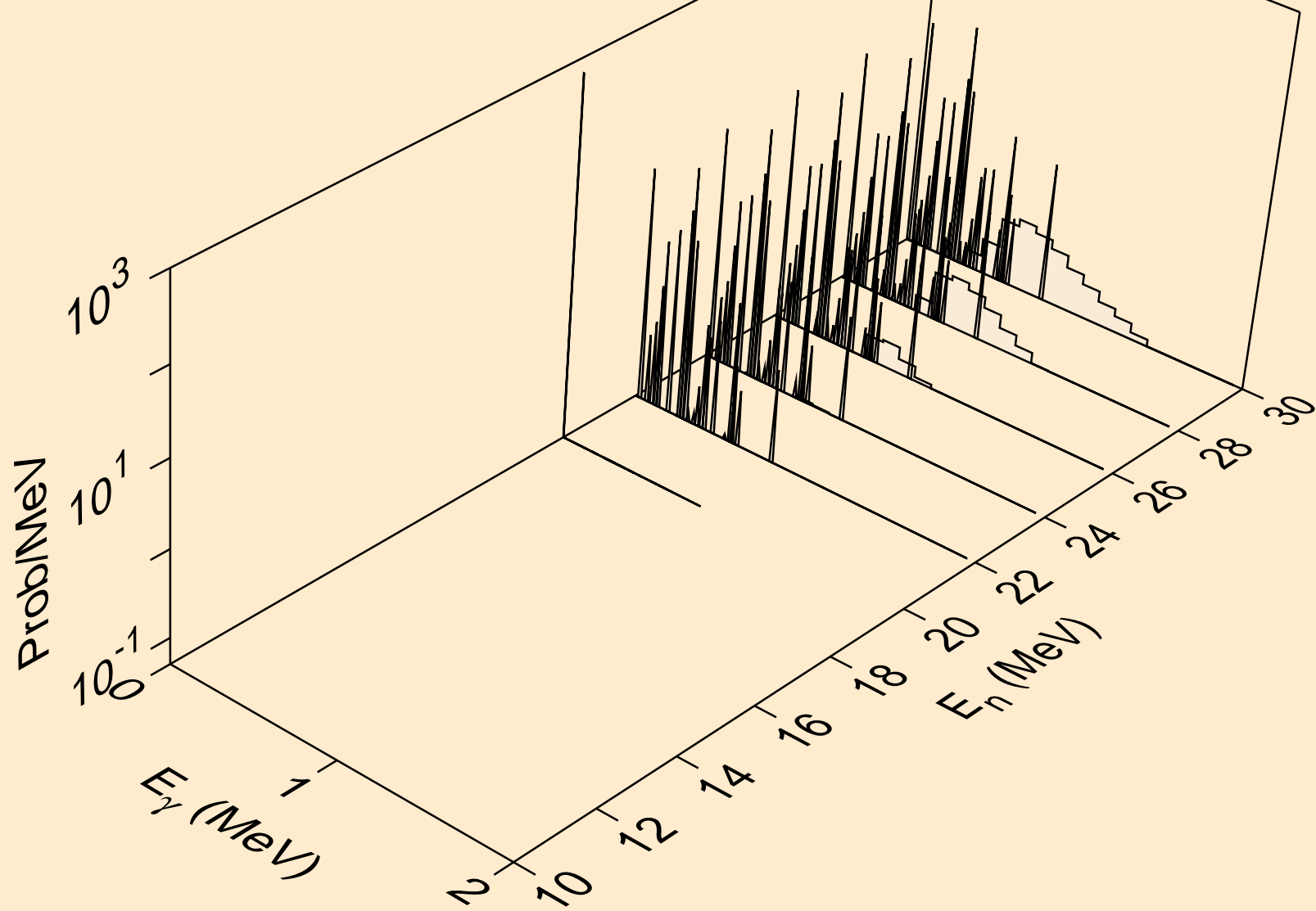
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



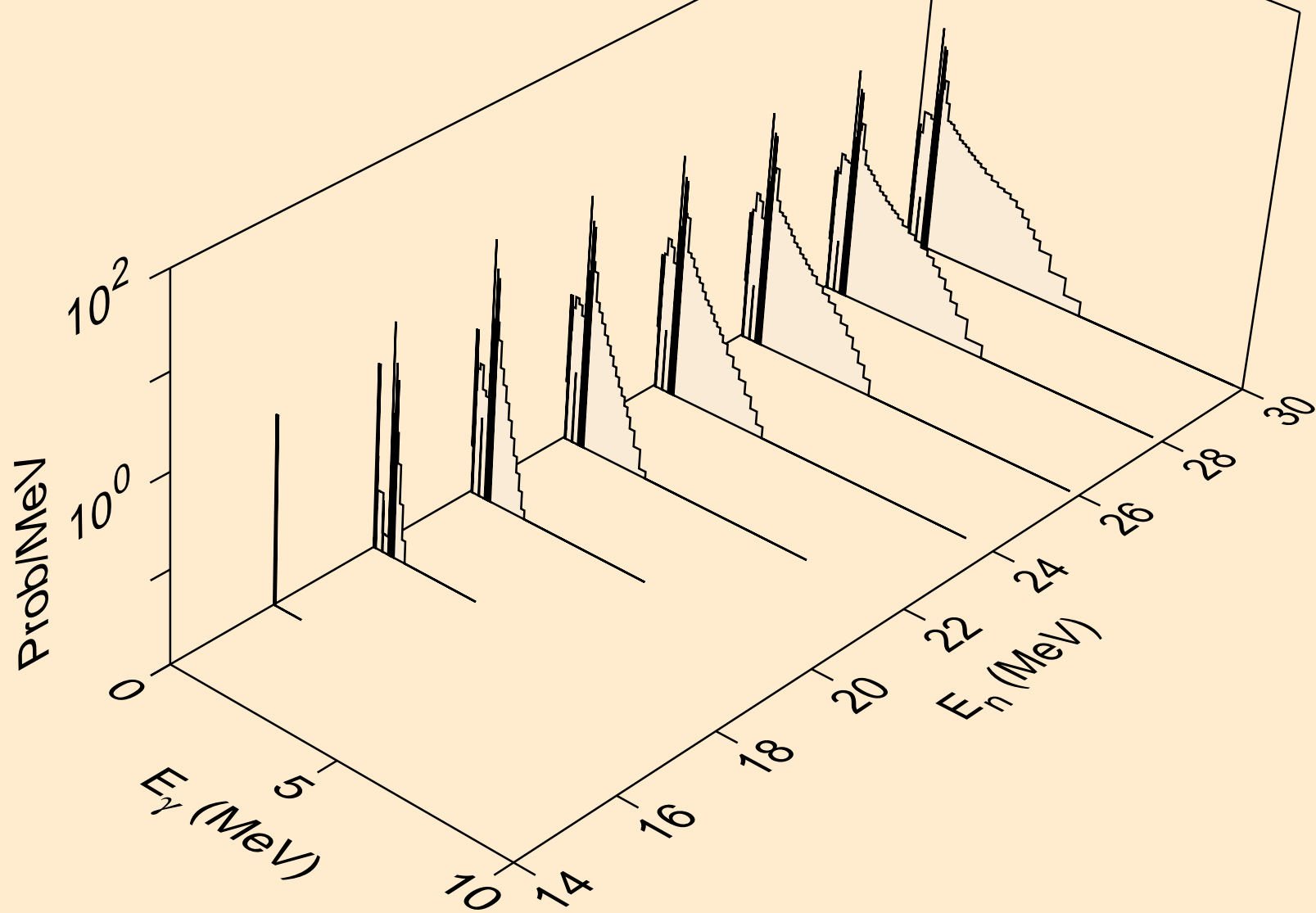
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Photon emission for (n,n\*)p



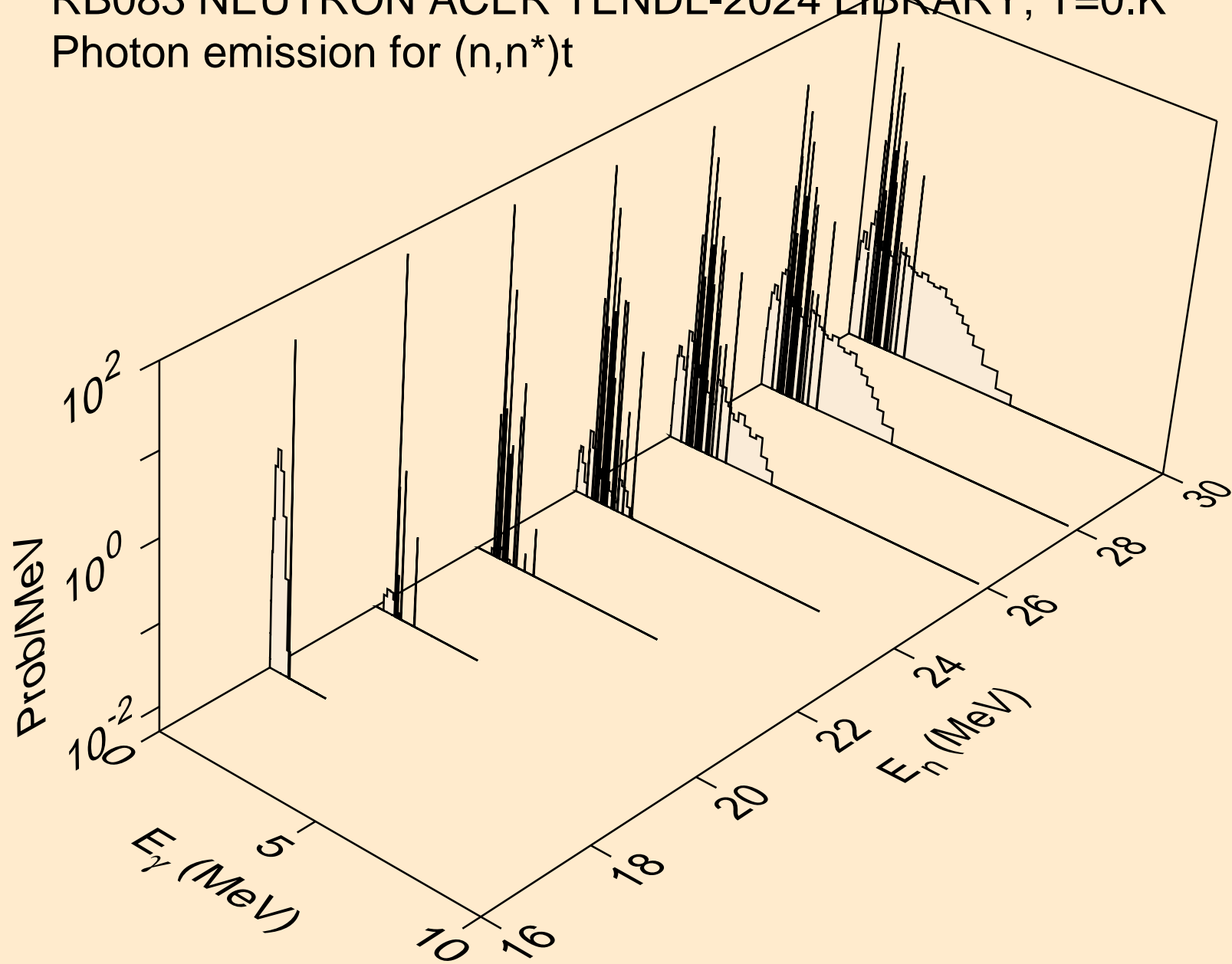
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Photon emission for (n,n\*)2a



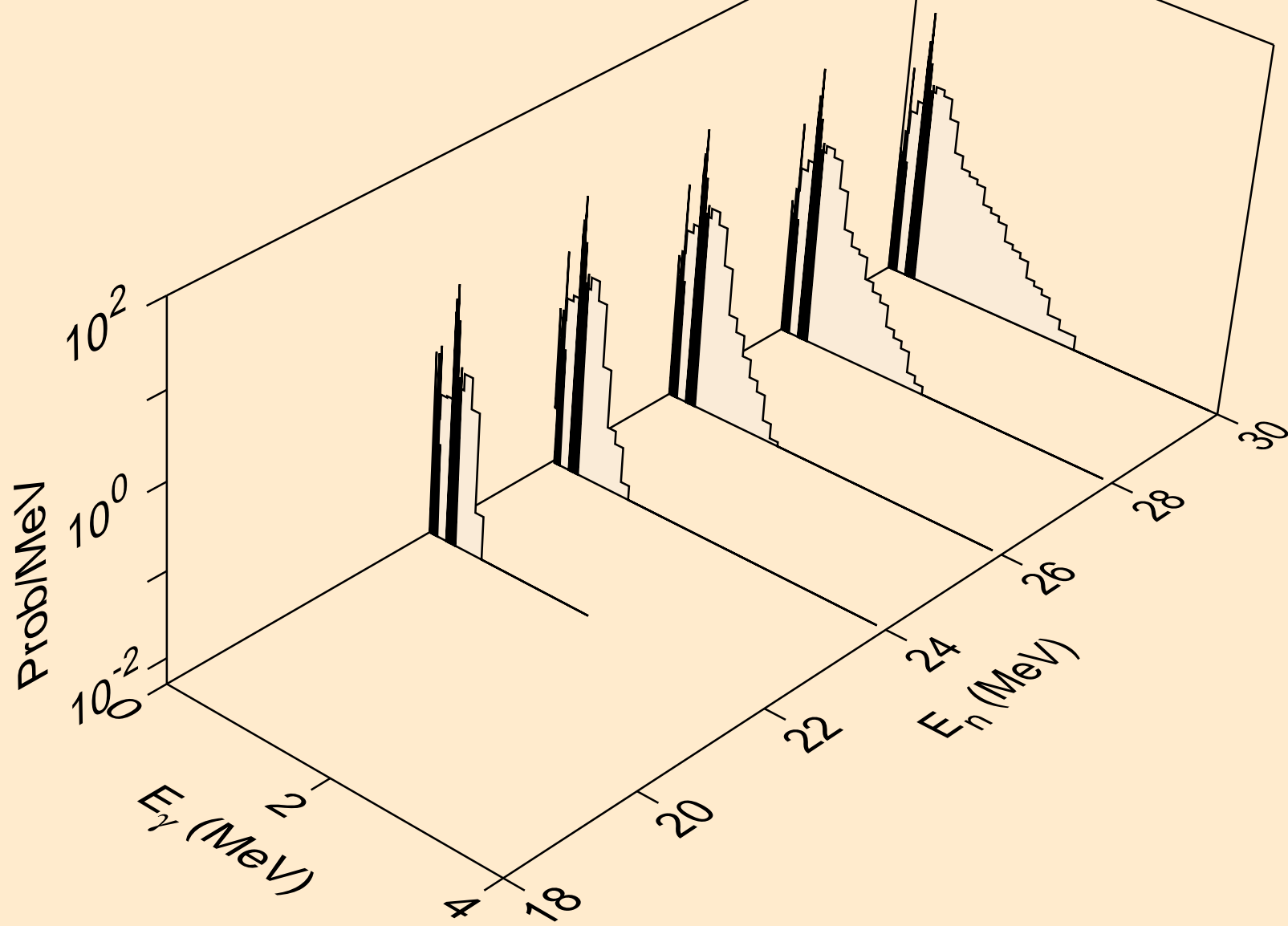
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Photon emission for (n,n\*)d



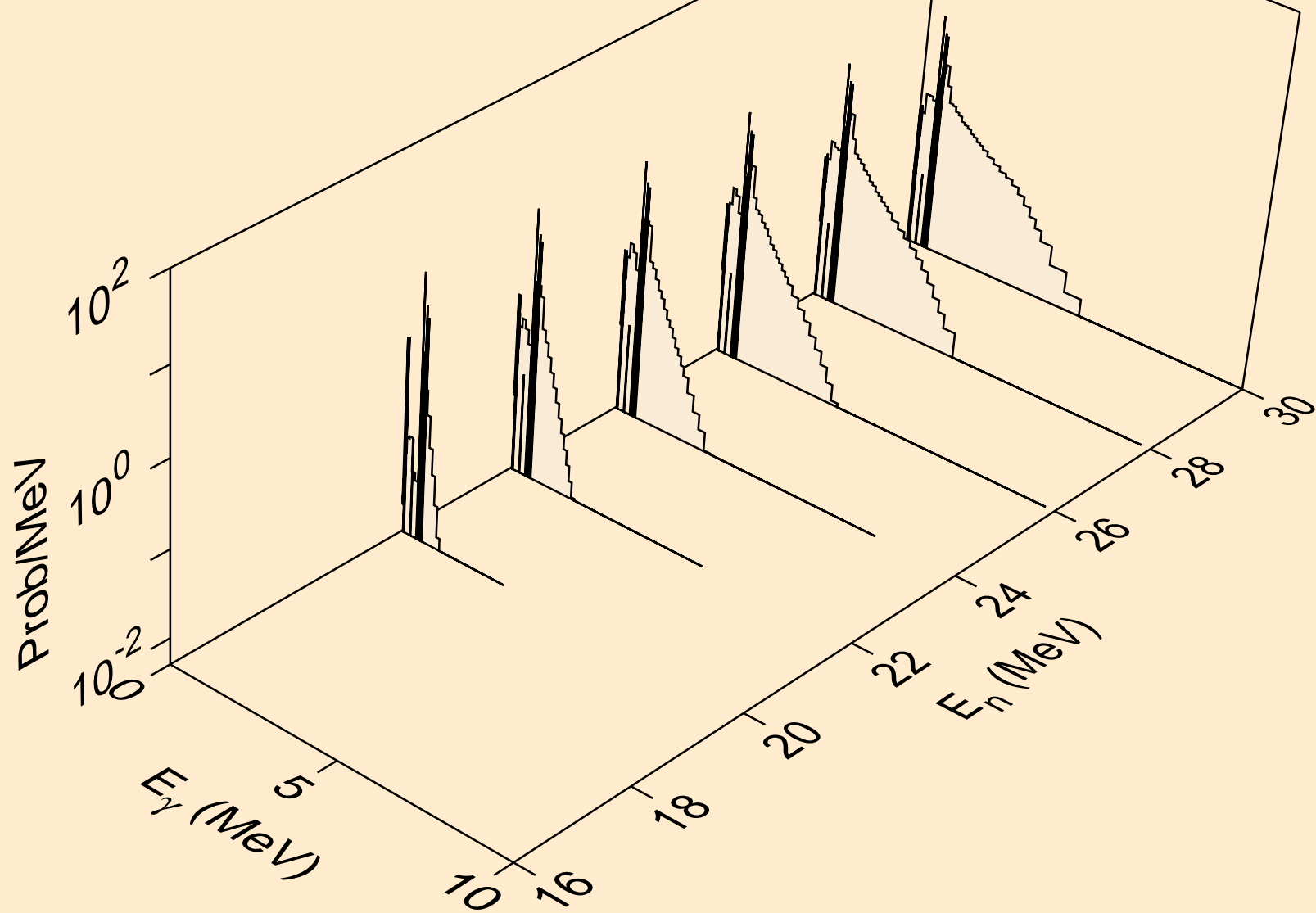
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

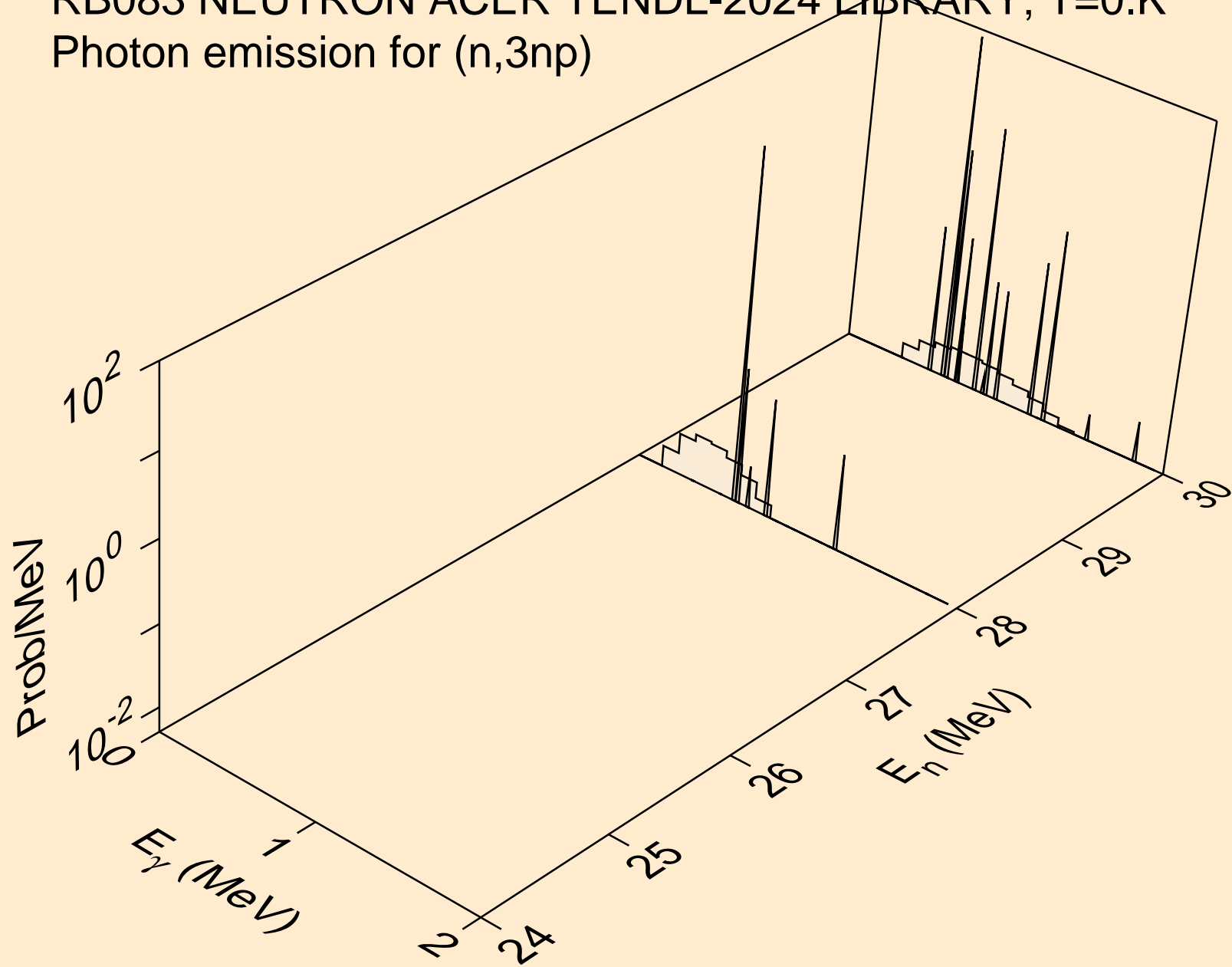


RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)

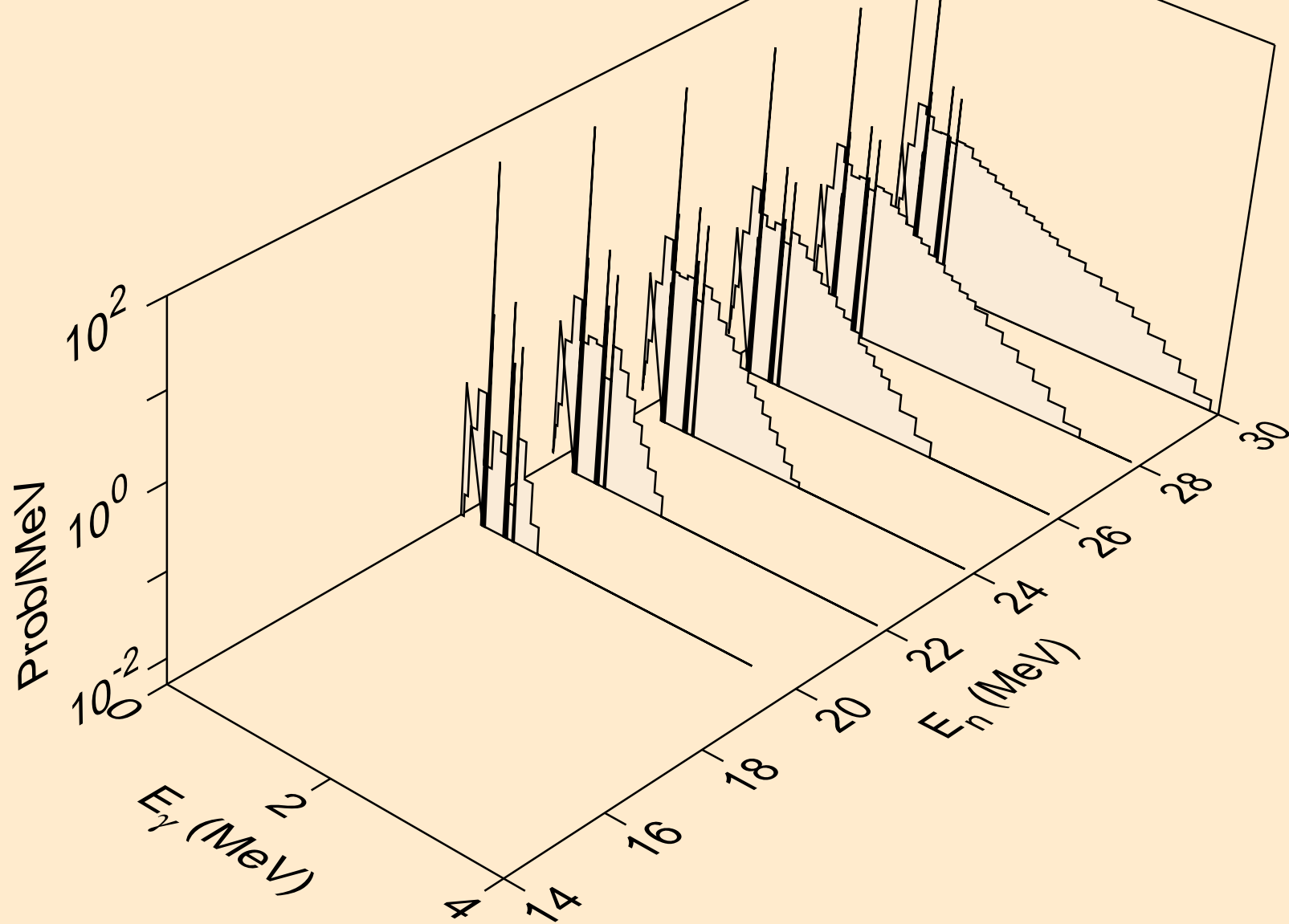




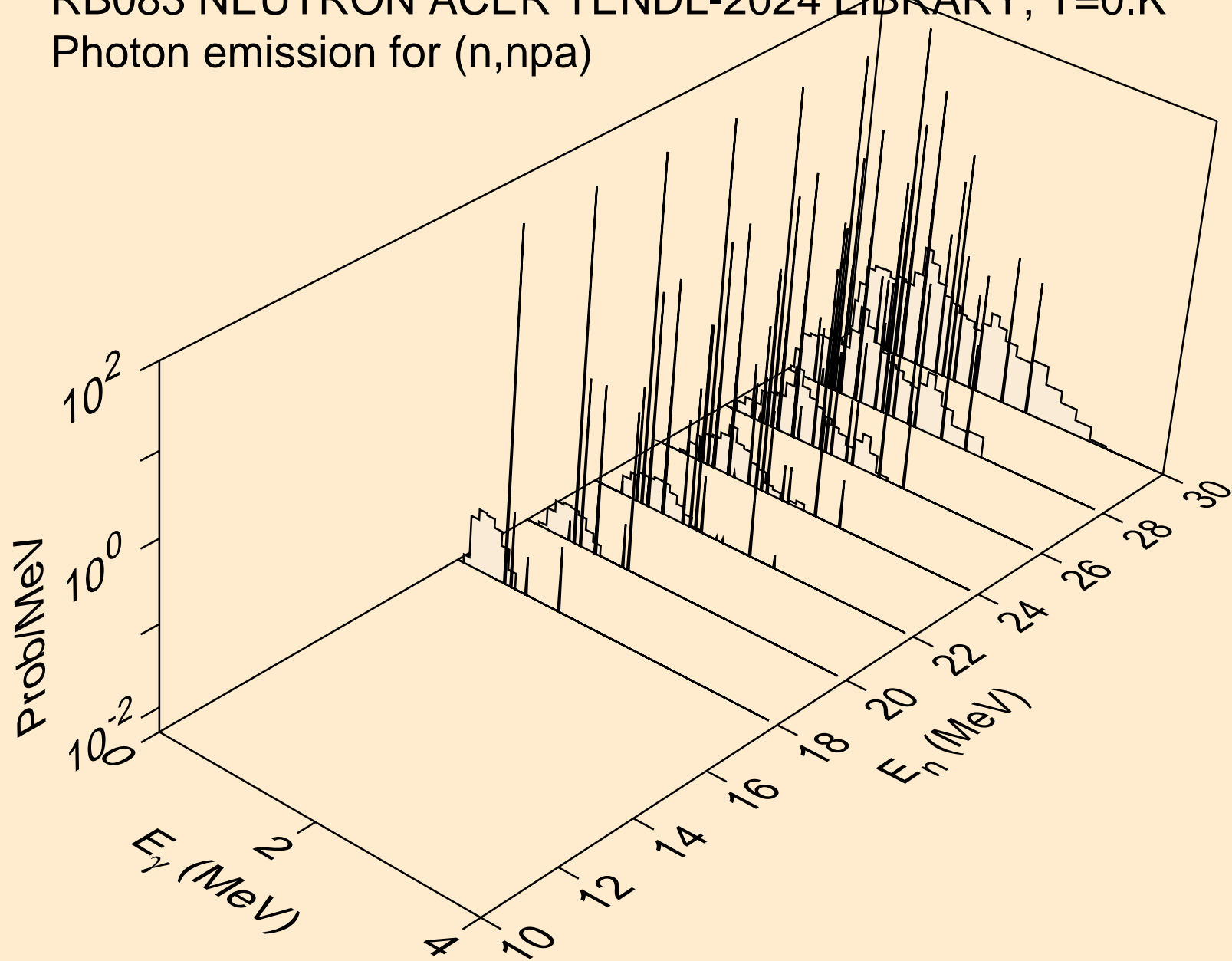
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Photon emission for (n,3np)



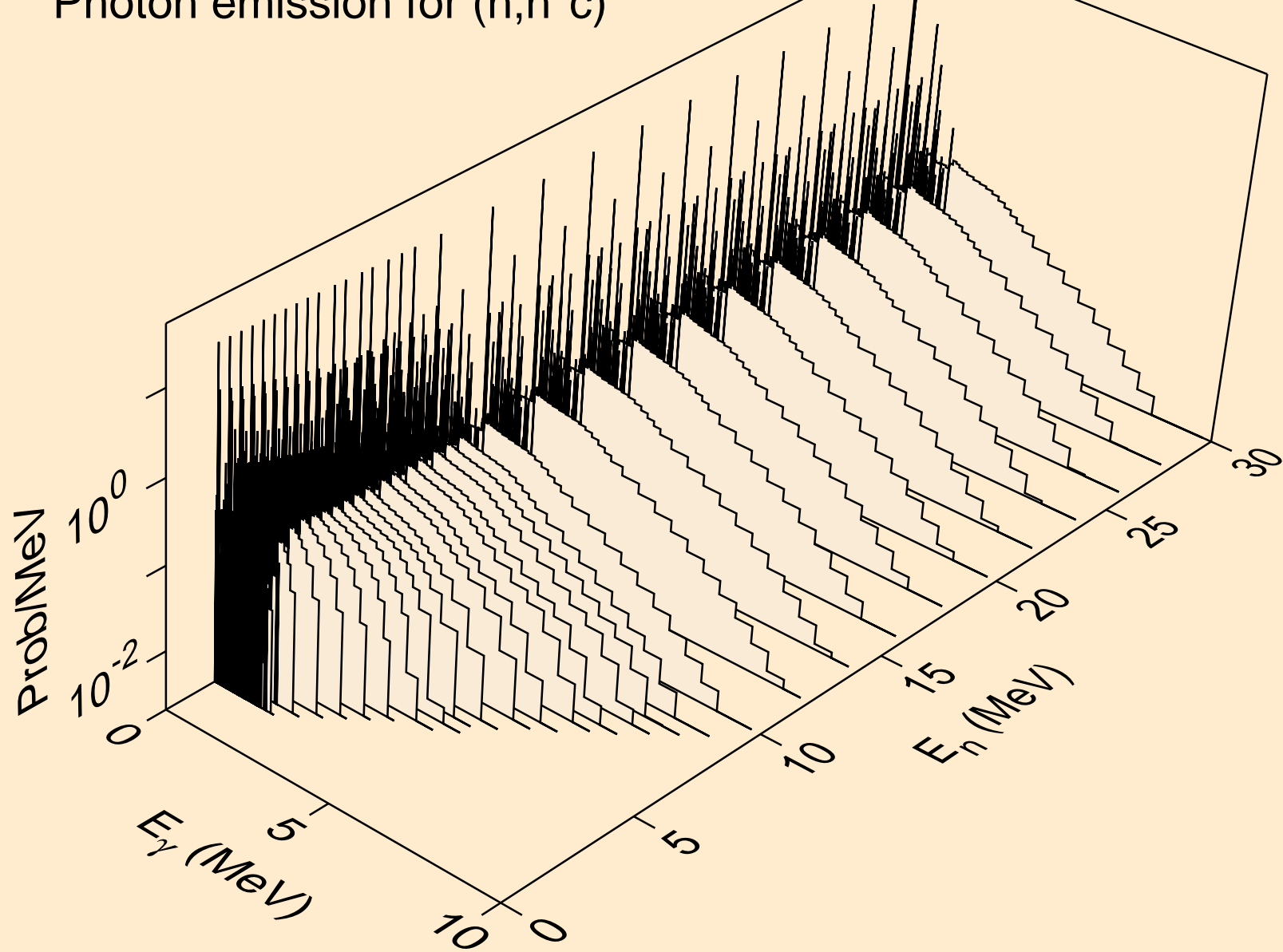
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Photon emission for (n,n2p)



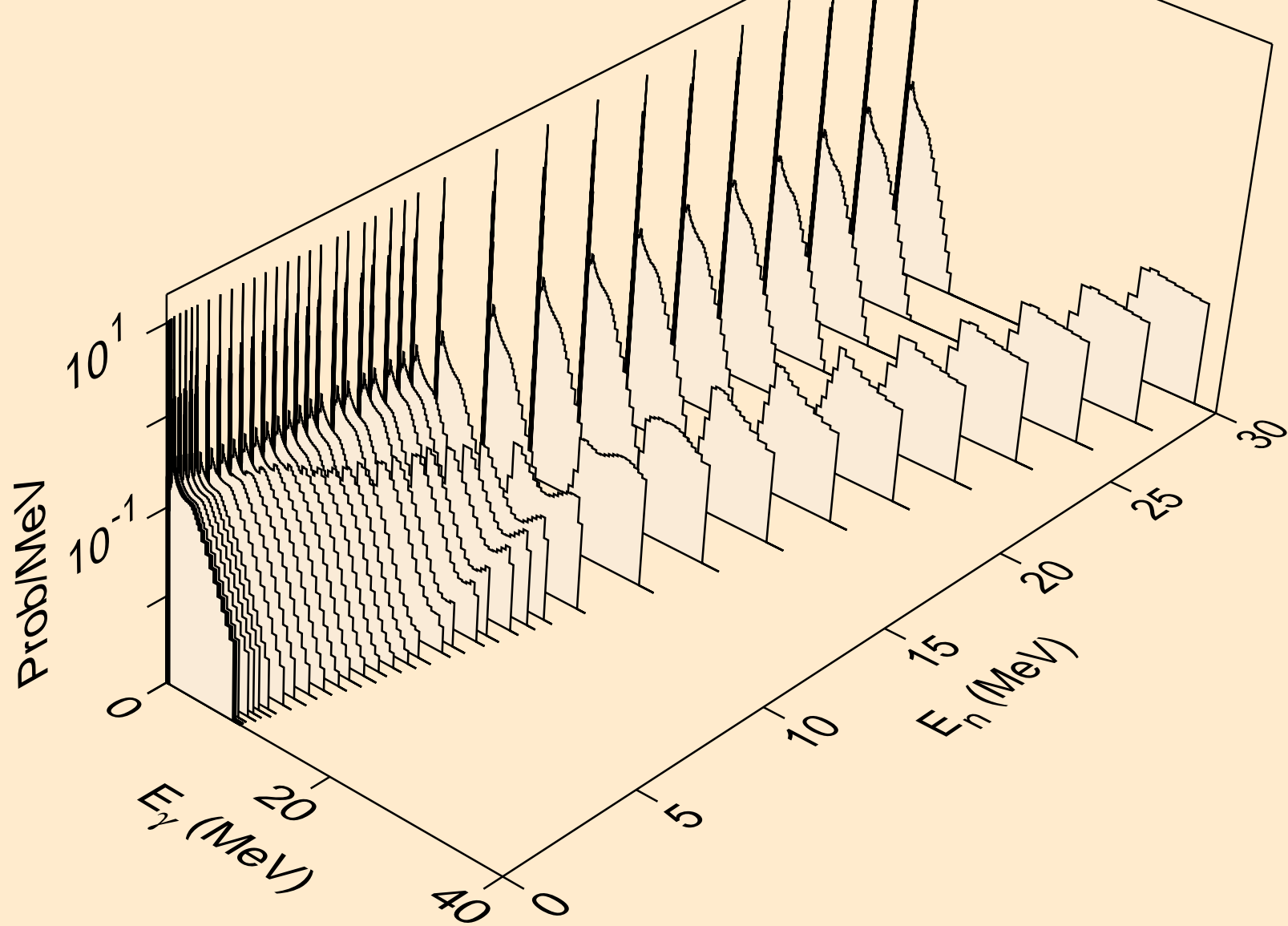
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Photon emission for (n,npa)



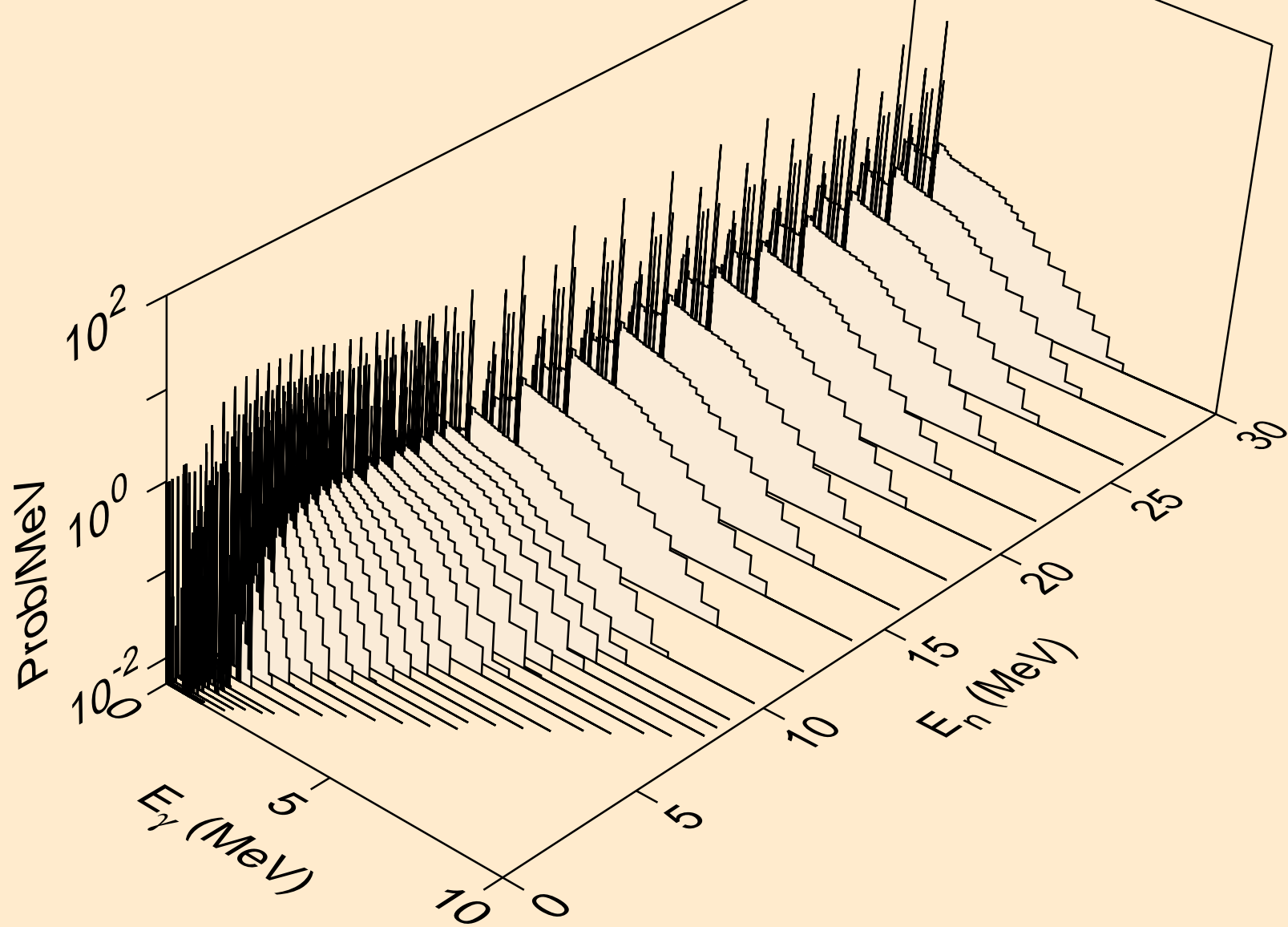
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Photon emission for (n,n\*c)



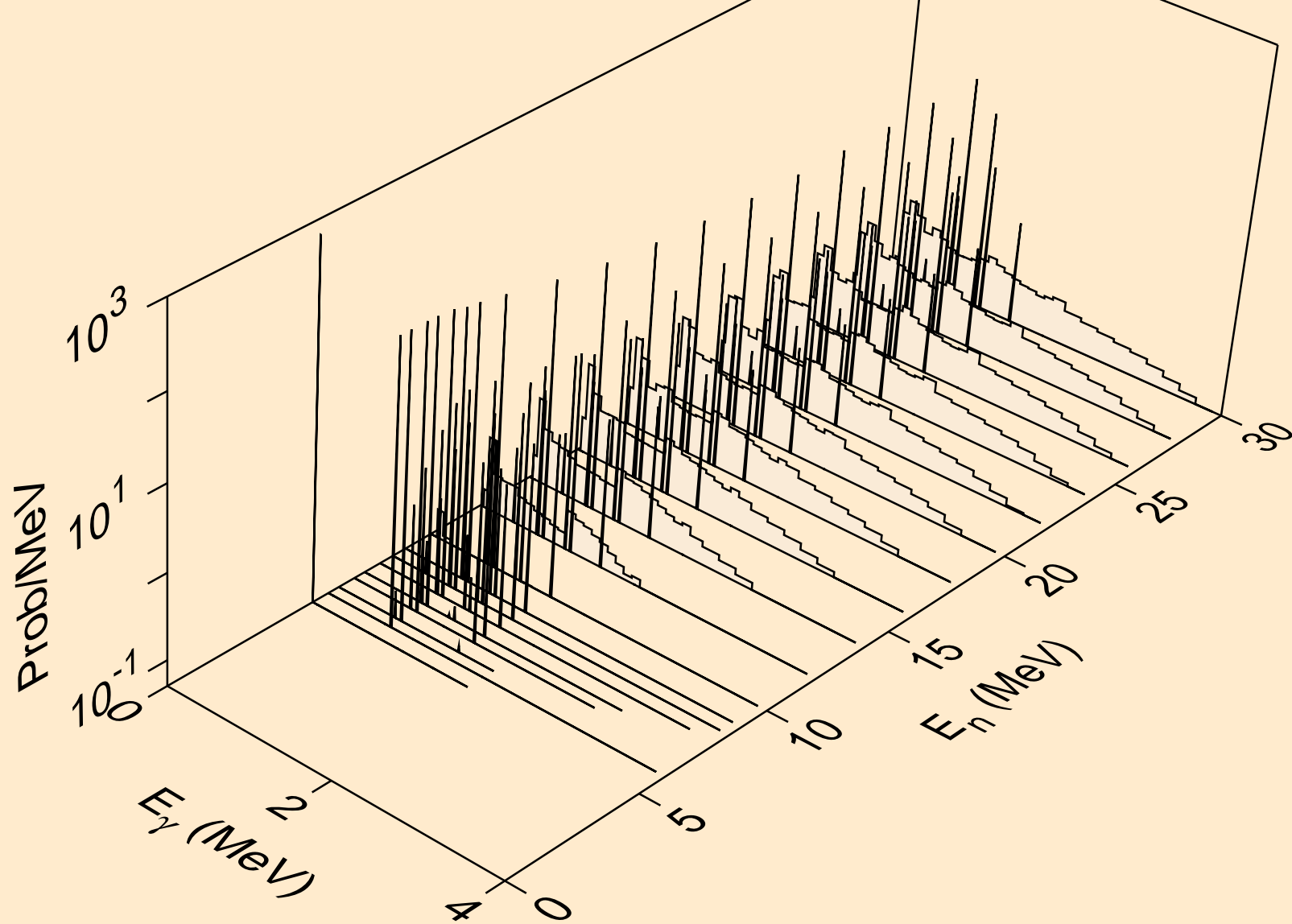
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Photon emission for (n,gma)



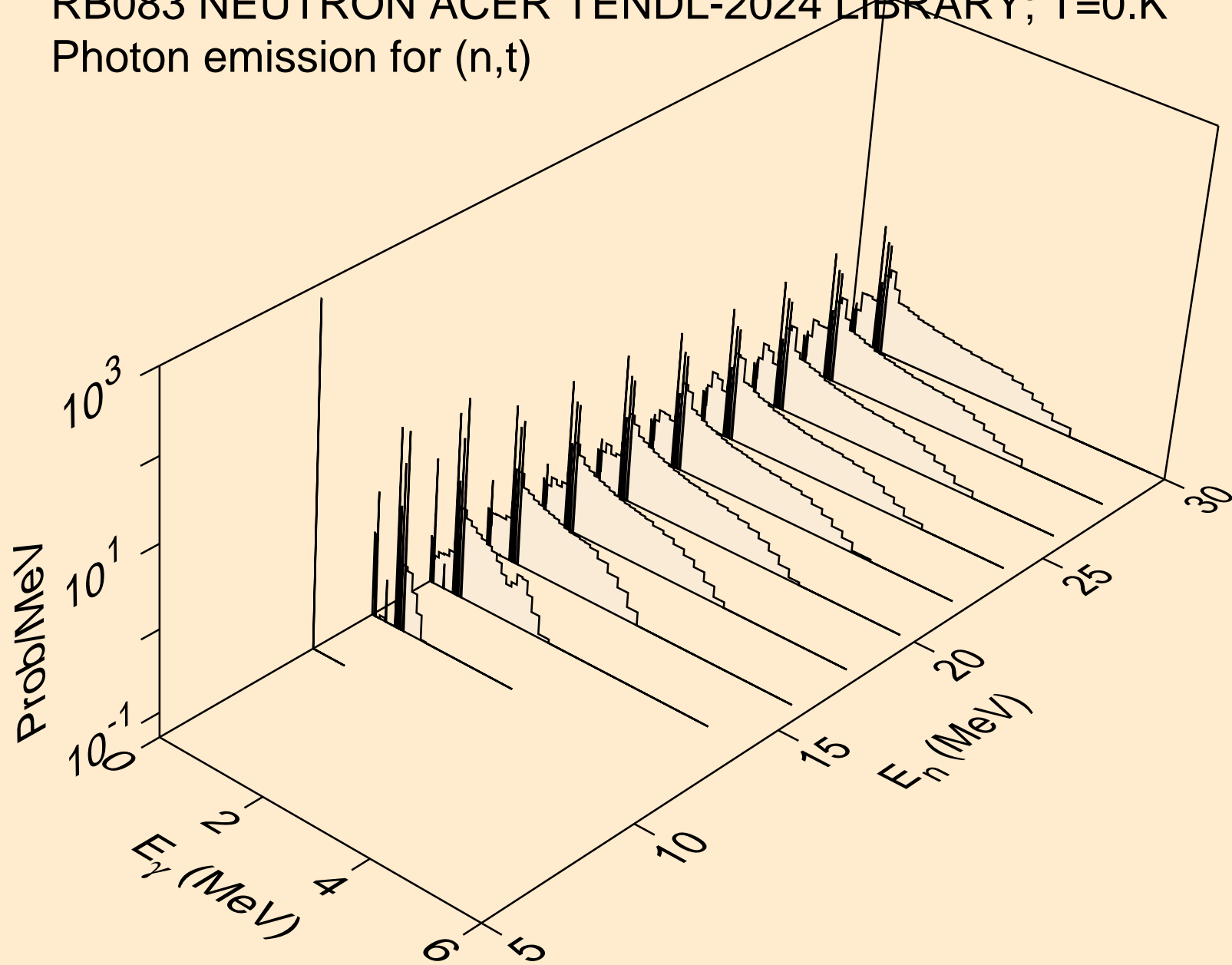
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)

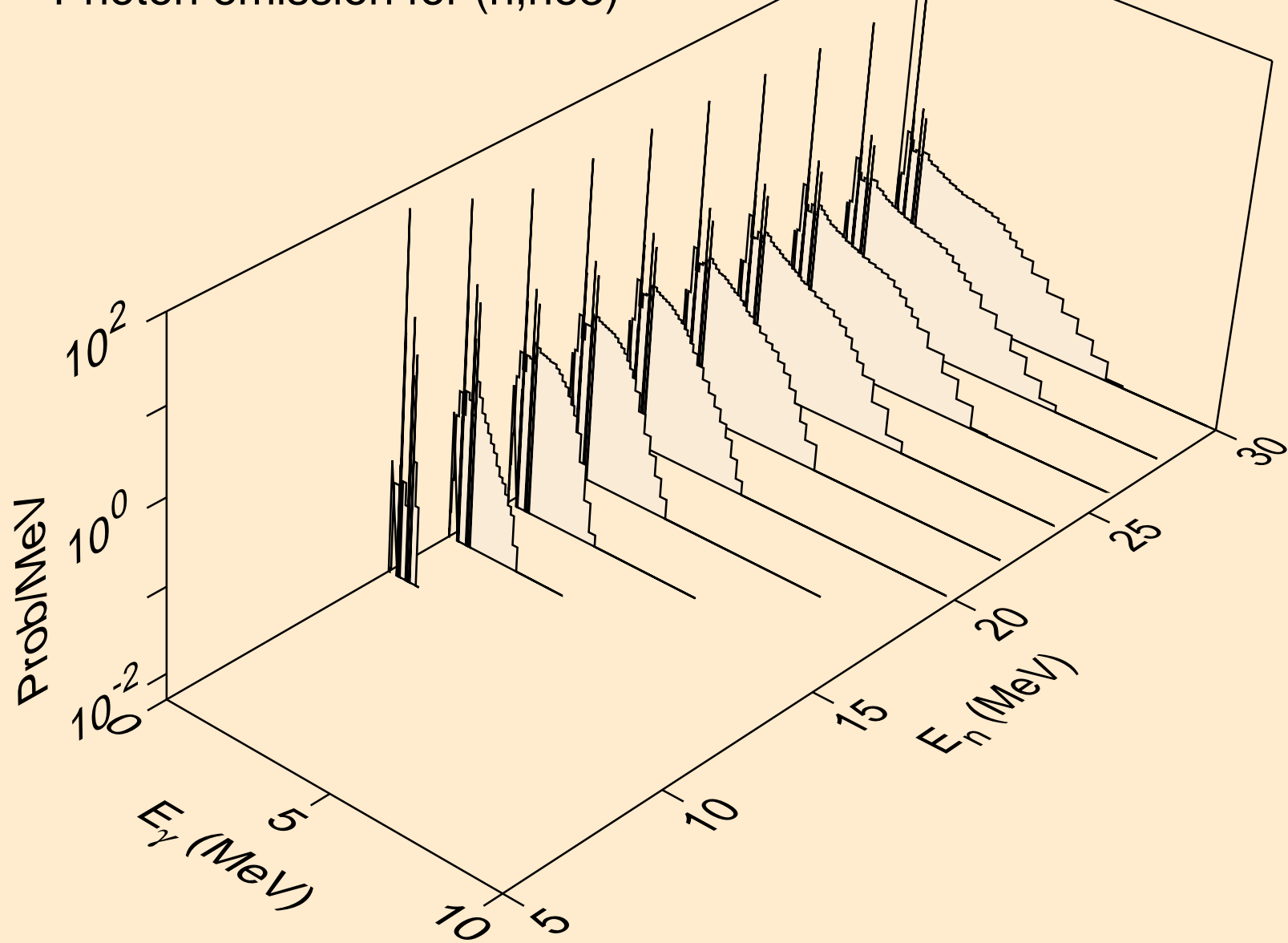


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Photon emission for (n,t)

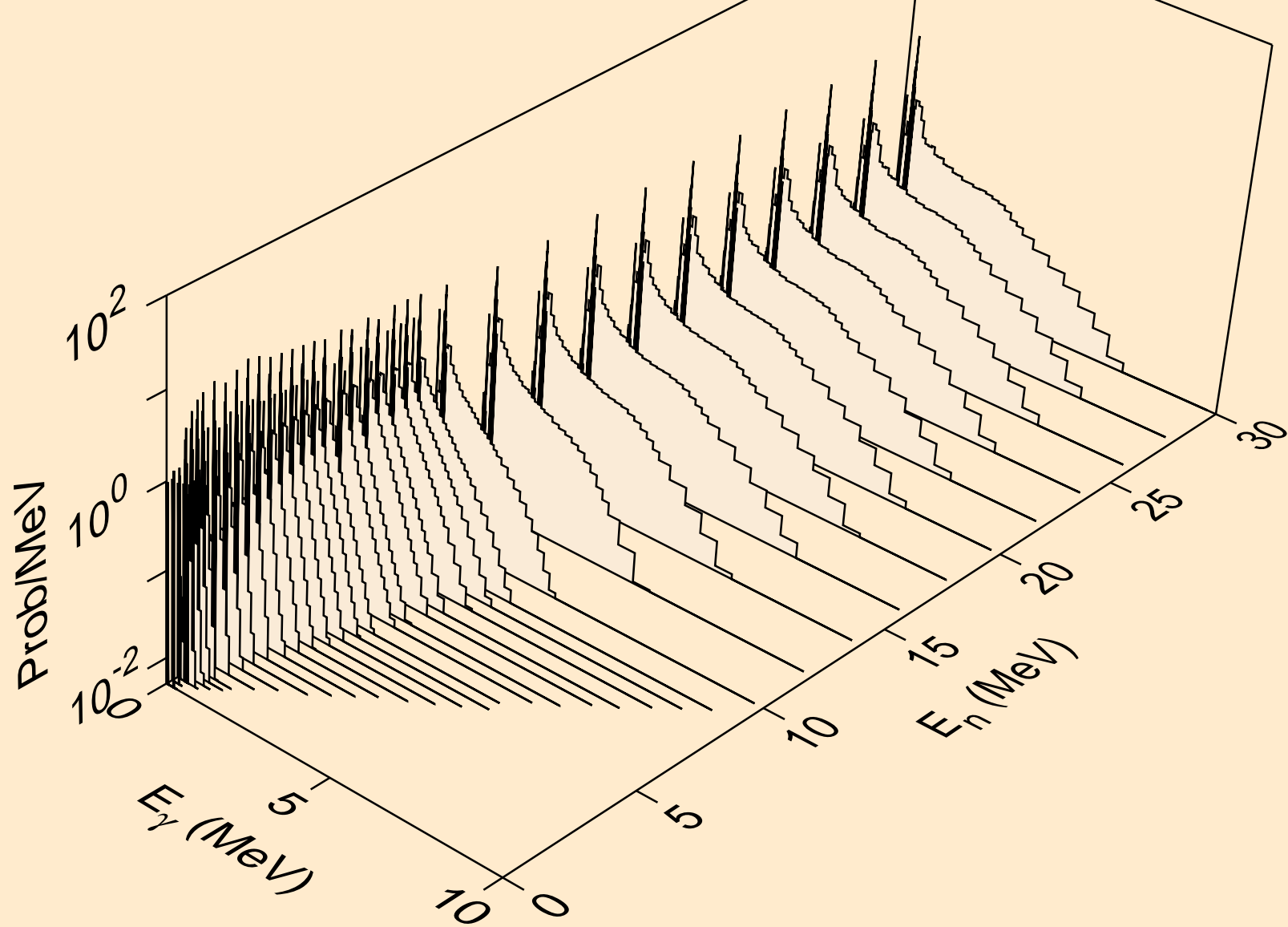




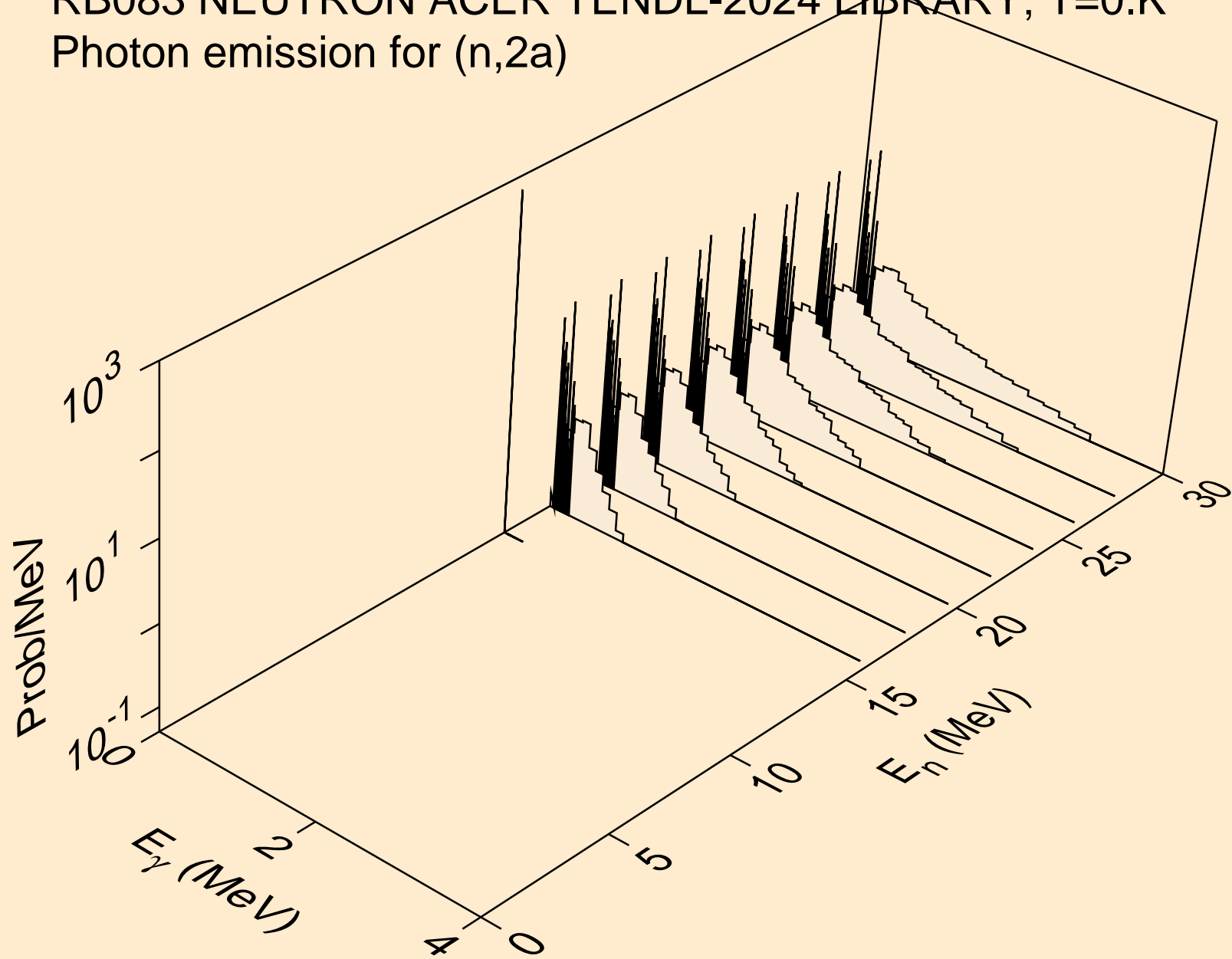
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Photon emission for (n,he3)



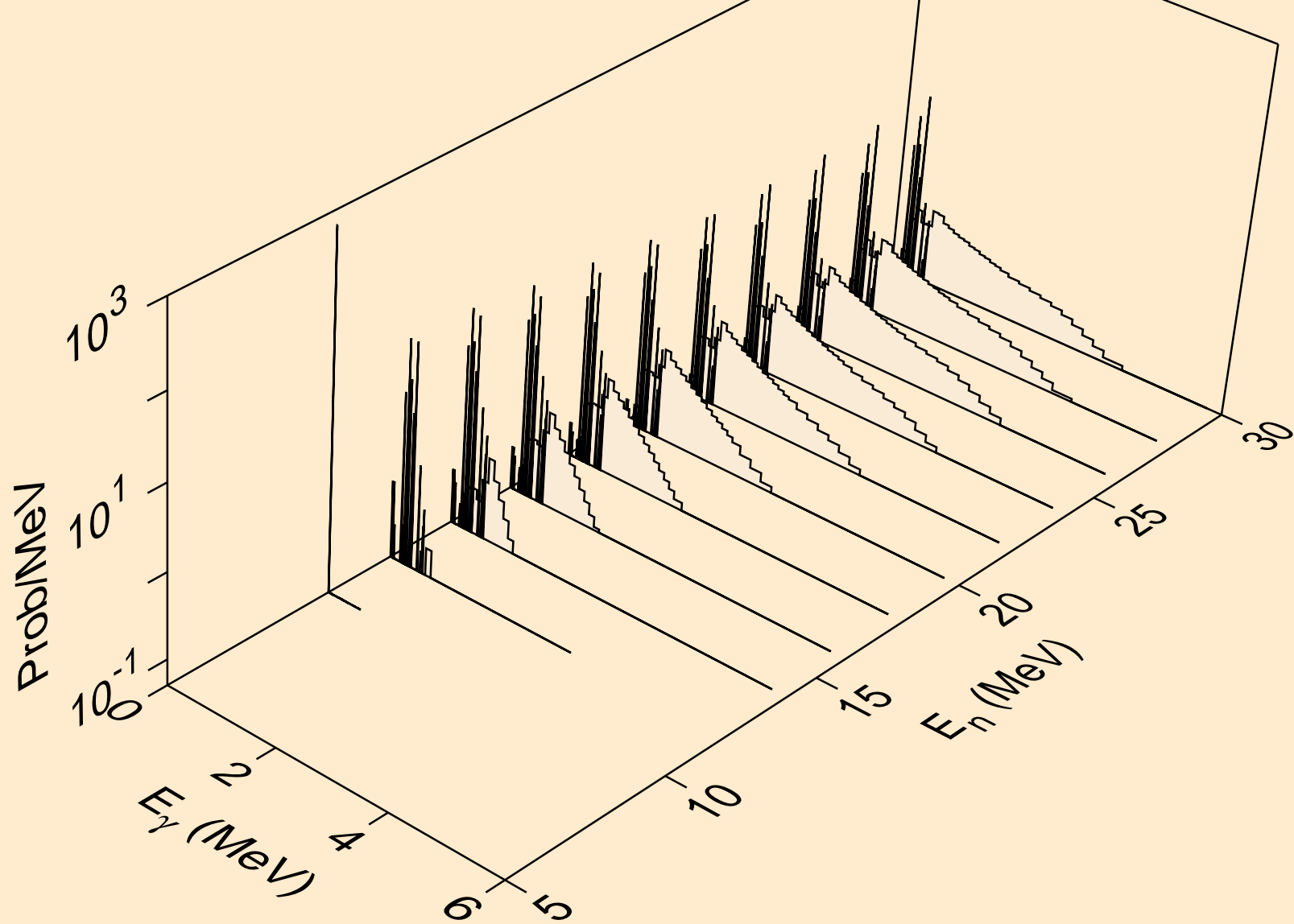
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Photon emission for (n,a)



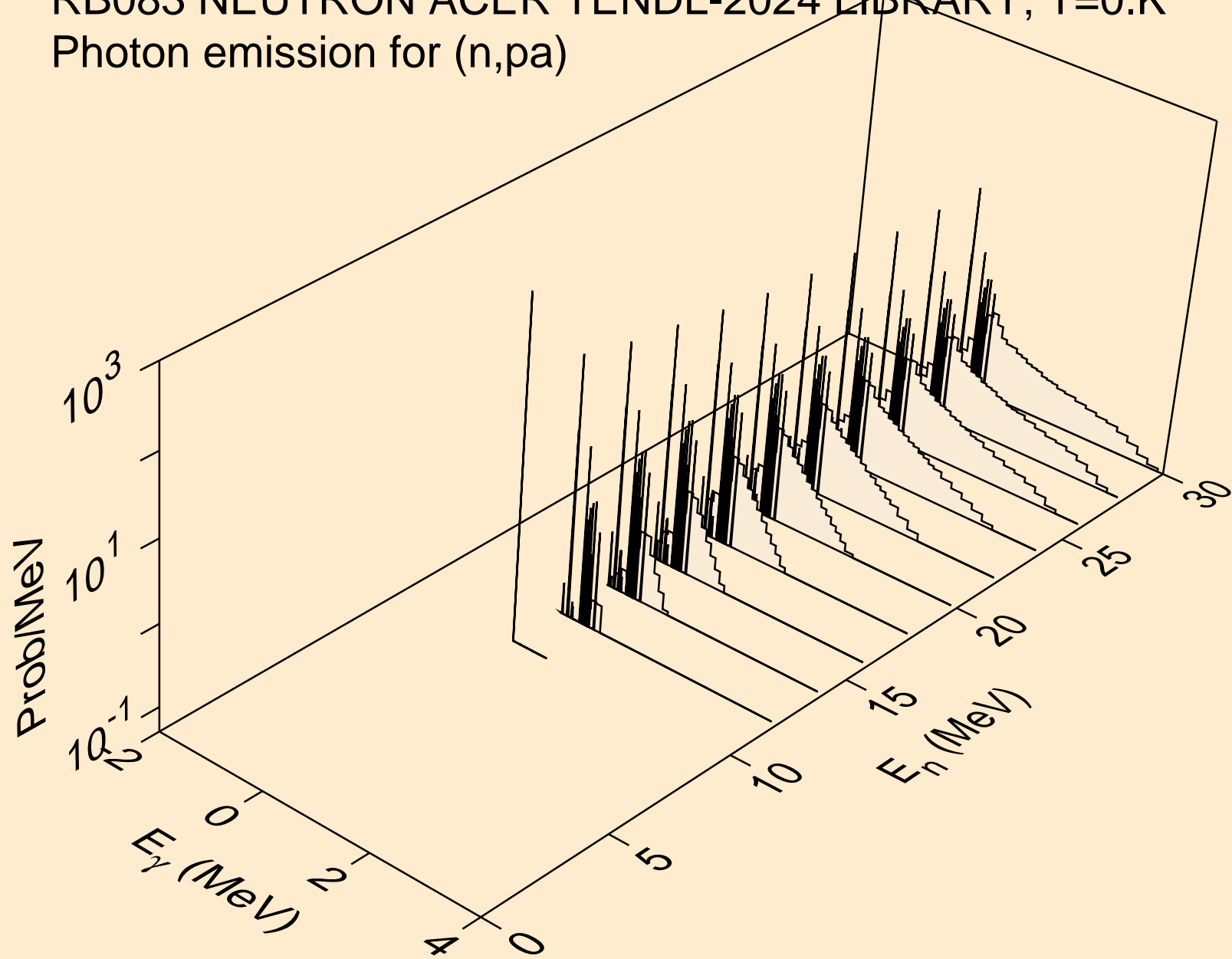
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Photon emission for (n,2a)



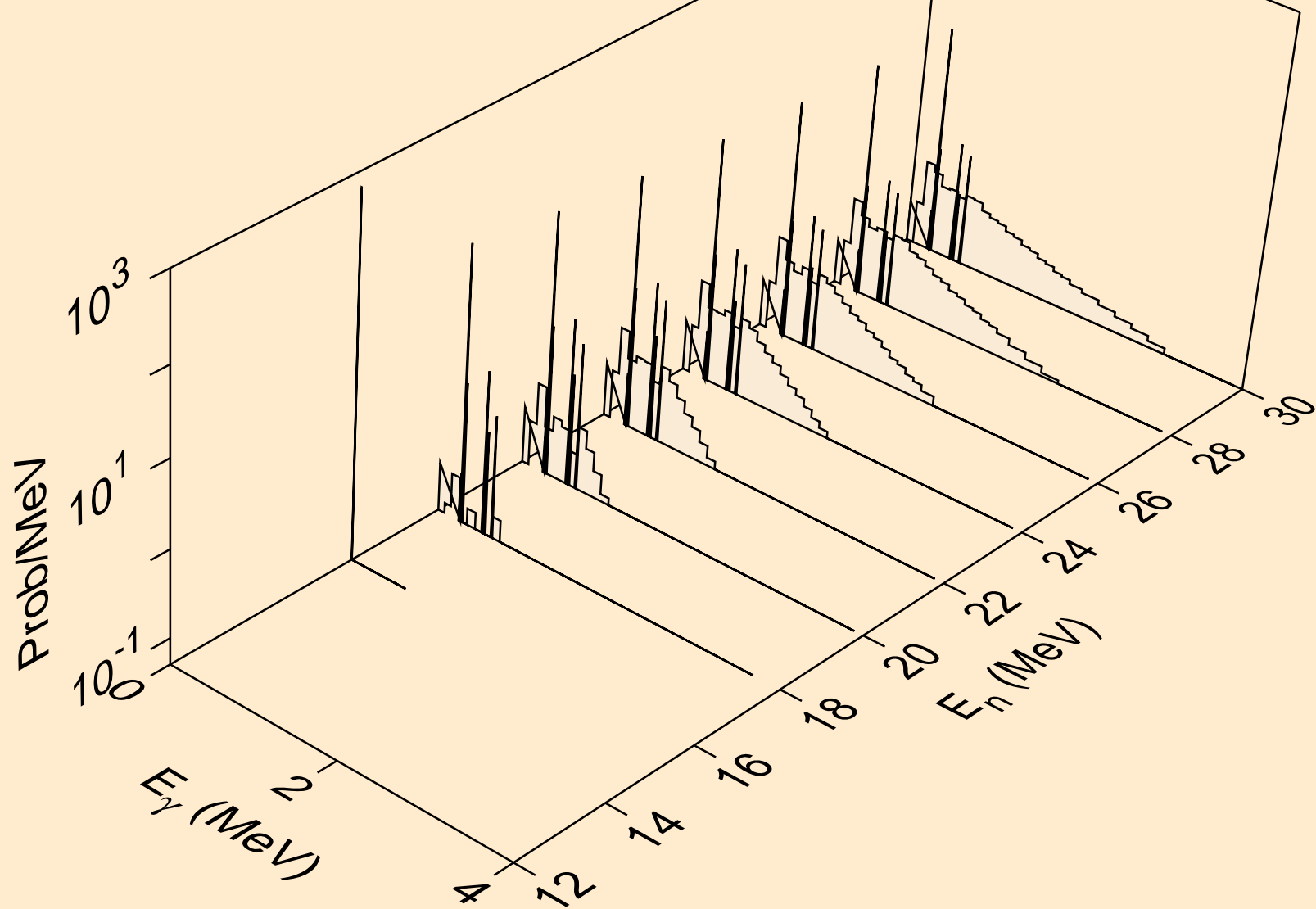
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Photon emission for (n,2p)



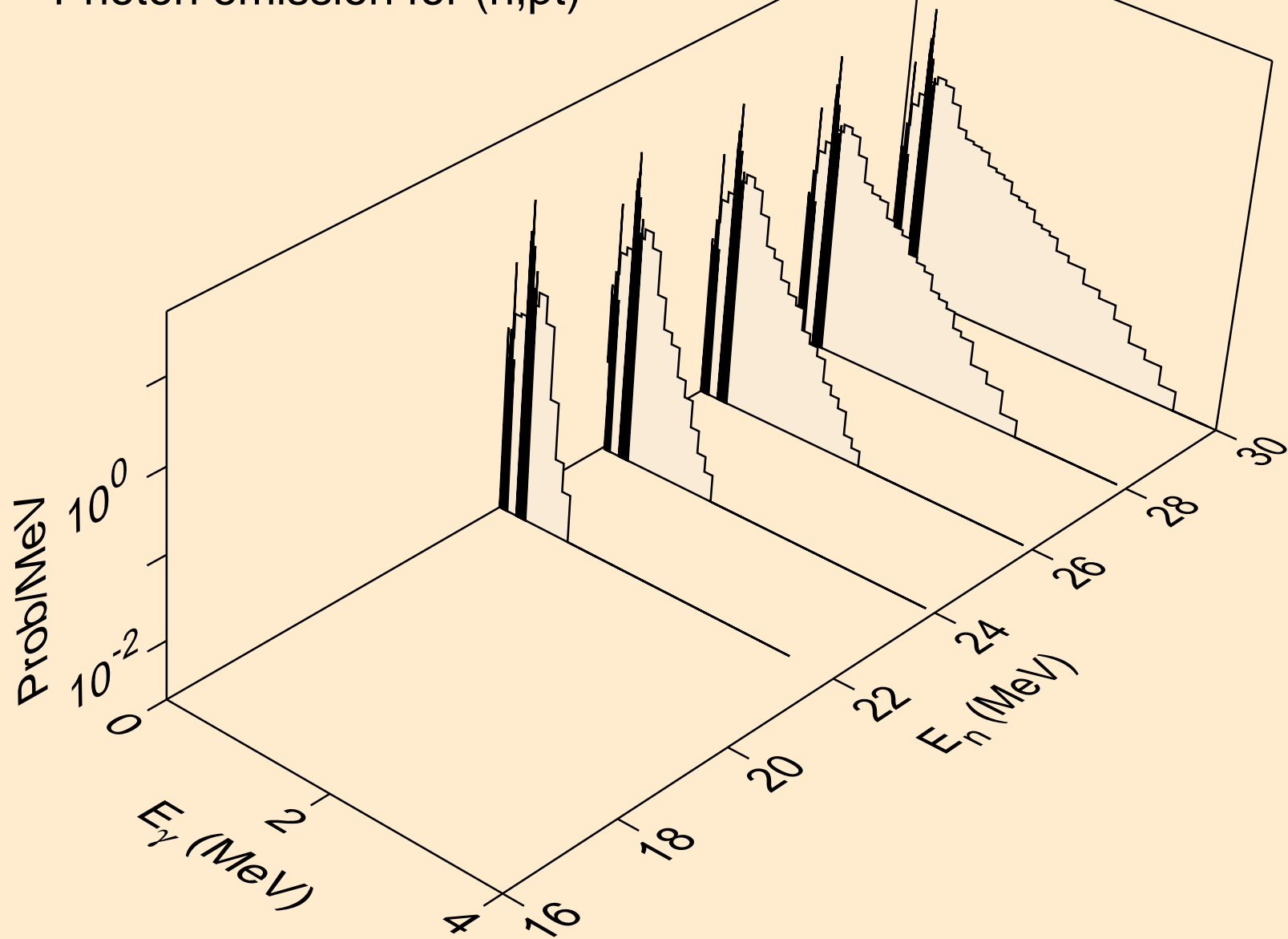
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Photon emission for (n,p)



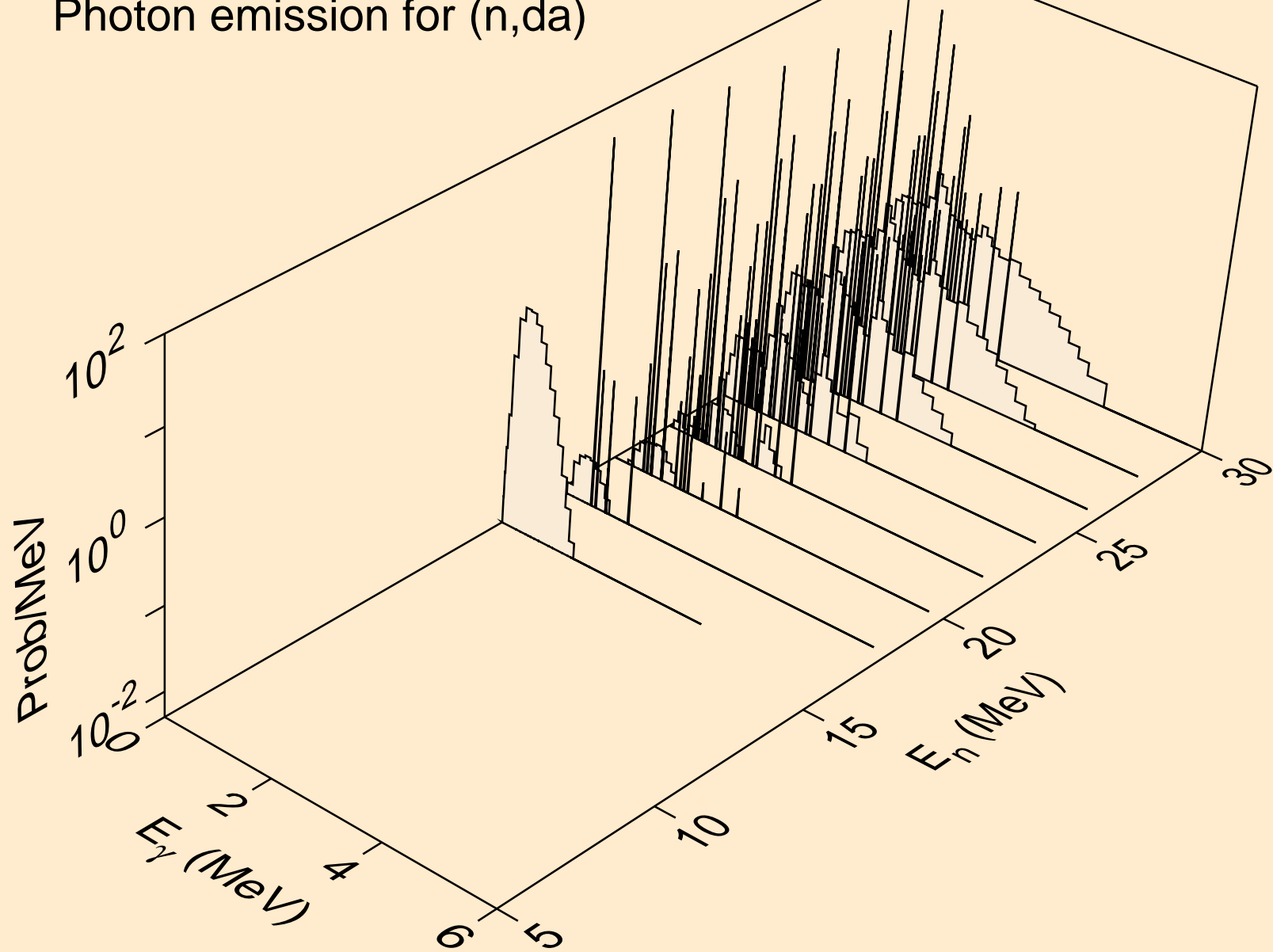
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)

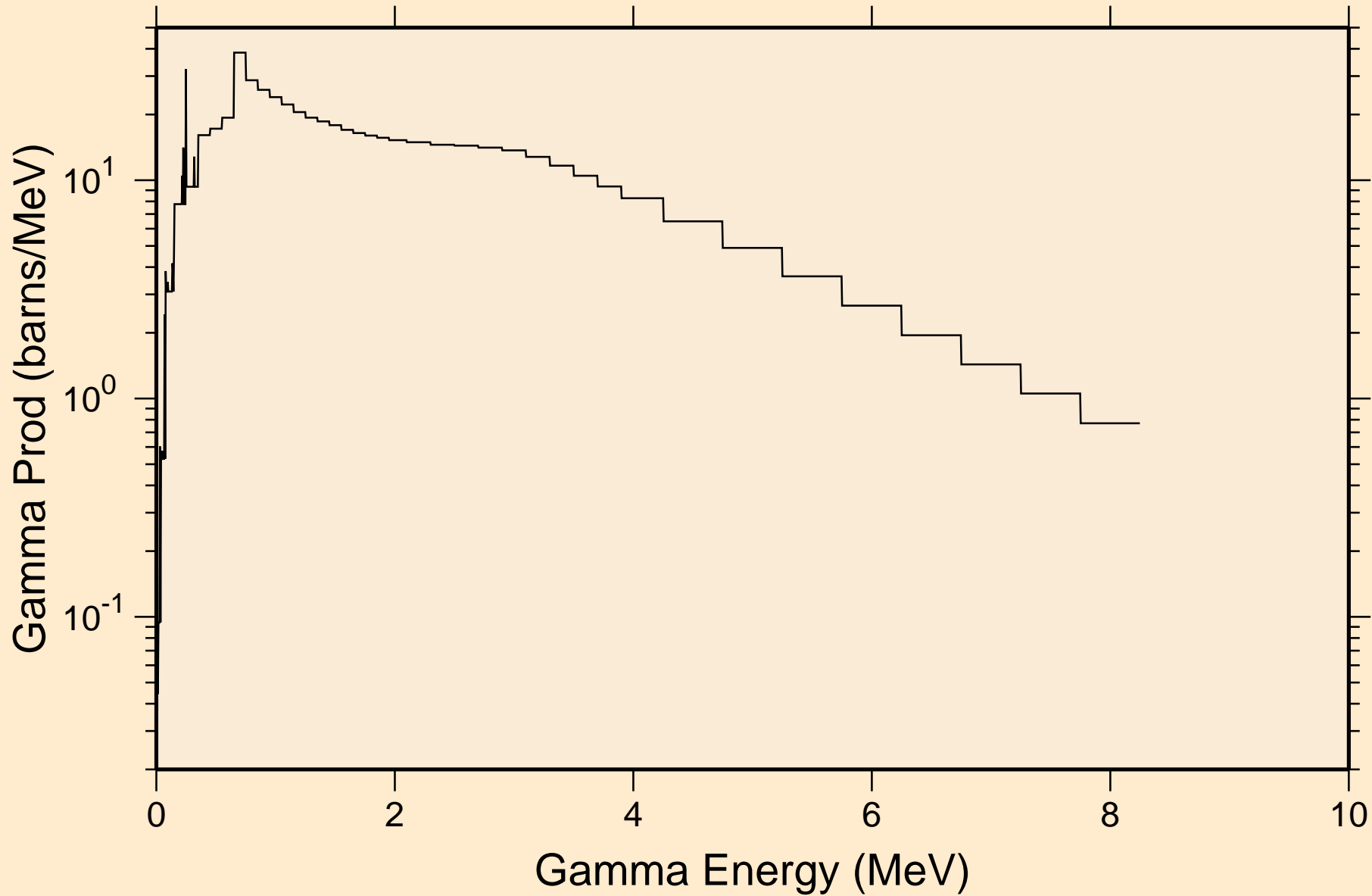


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Photon emission for (n,da)

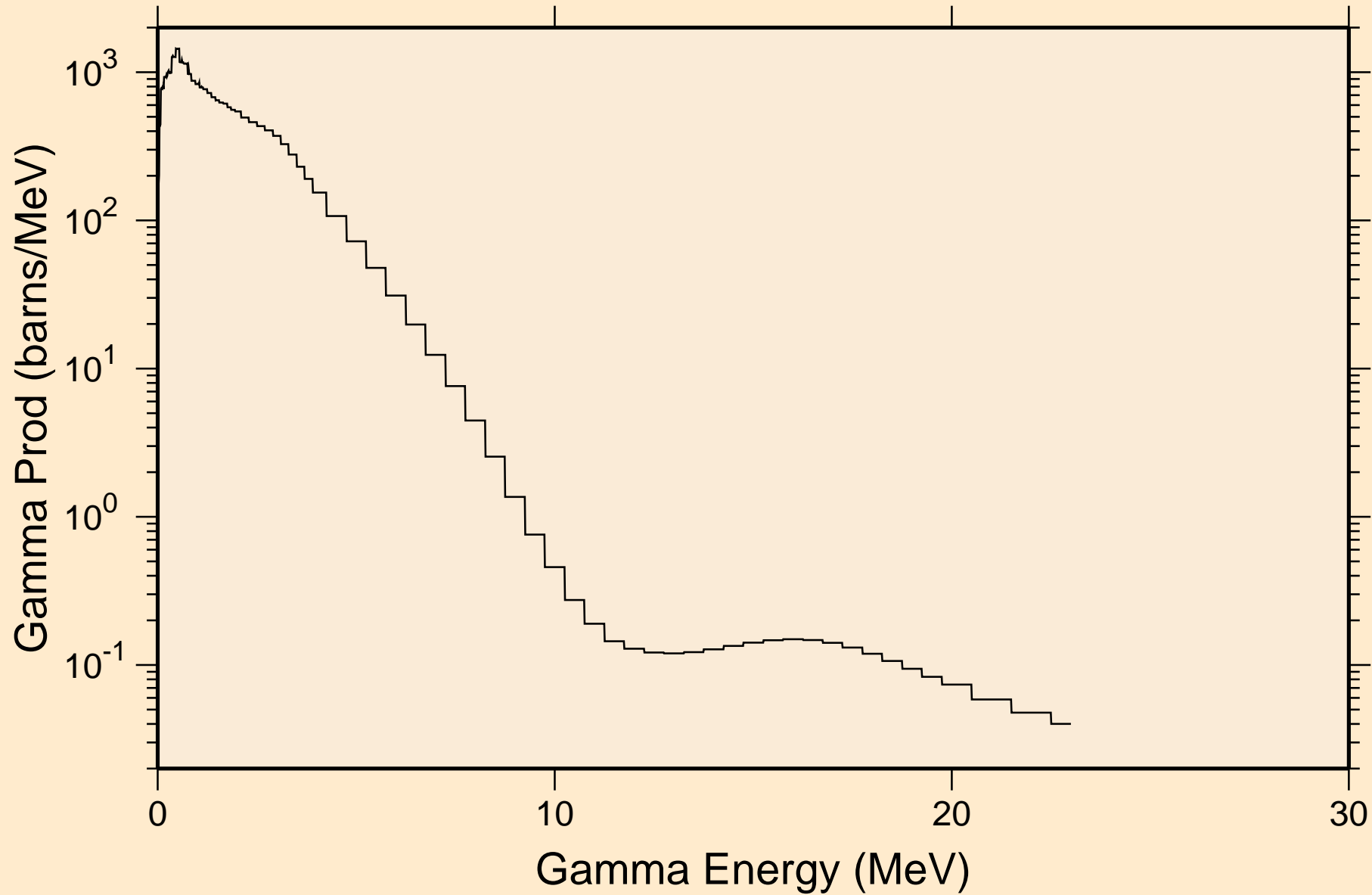




RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

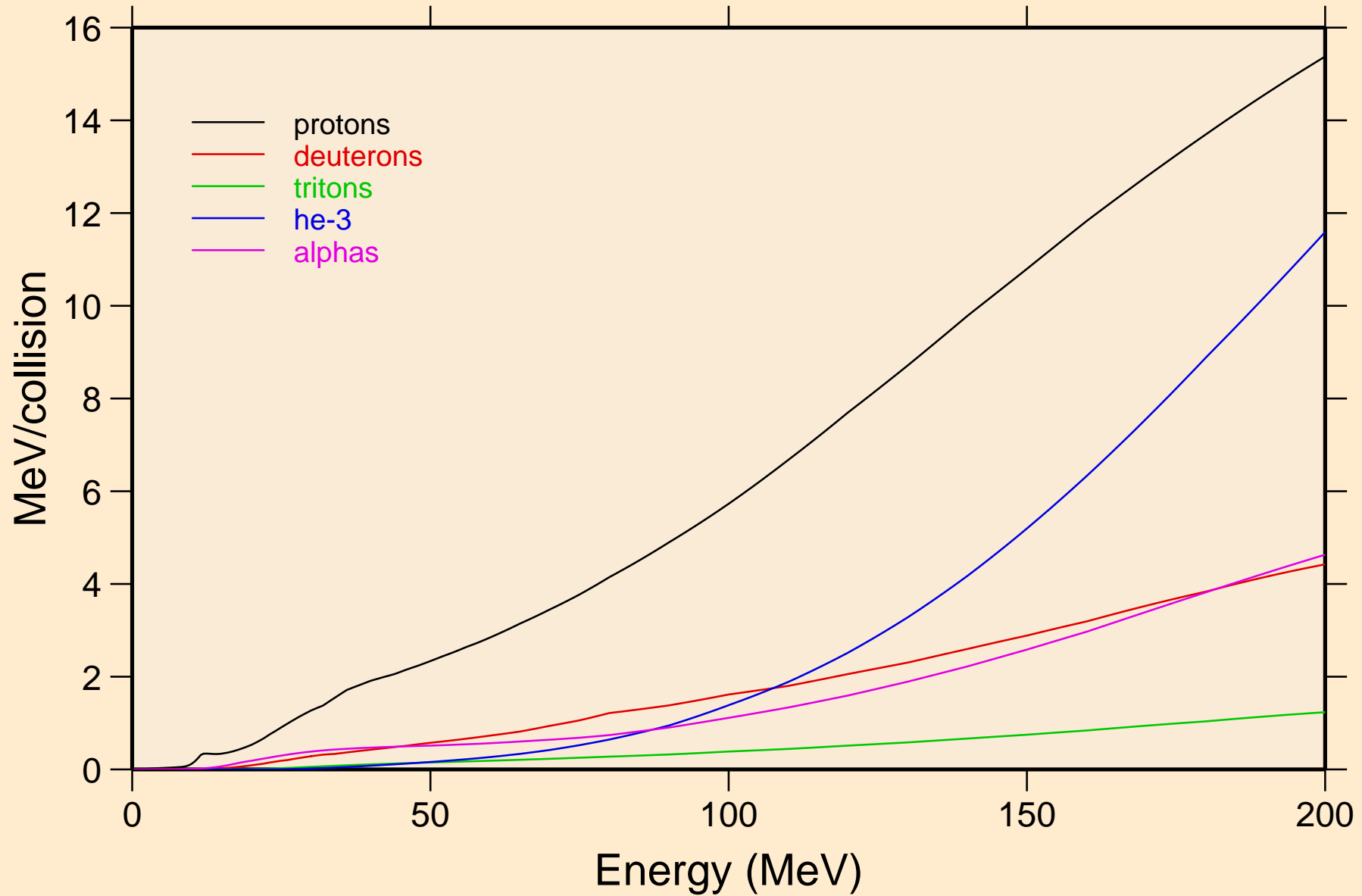


RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum

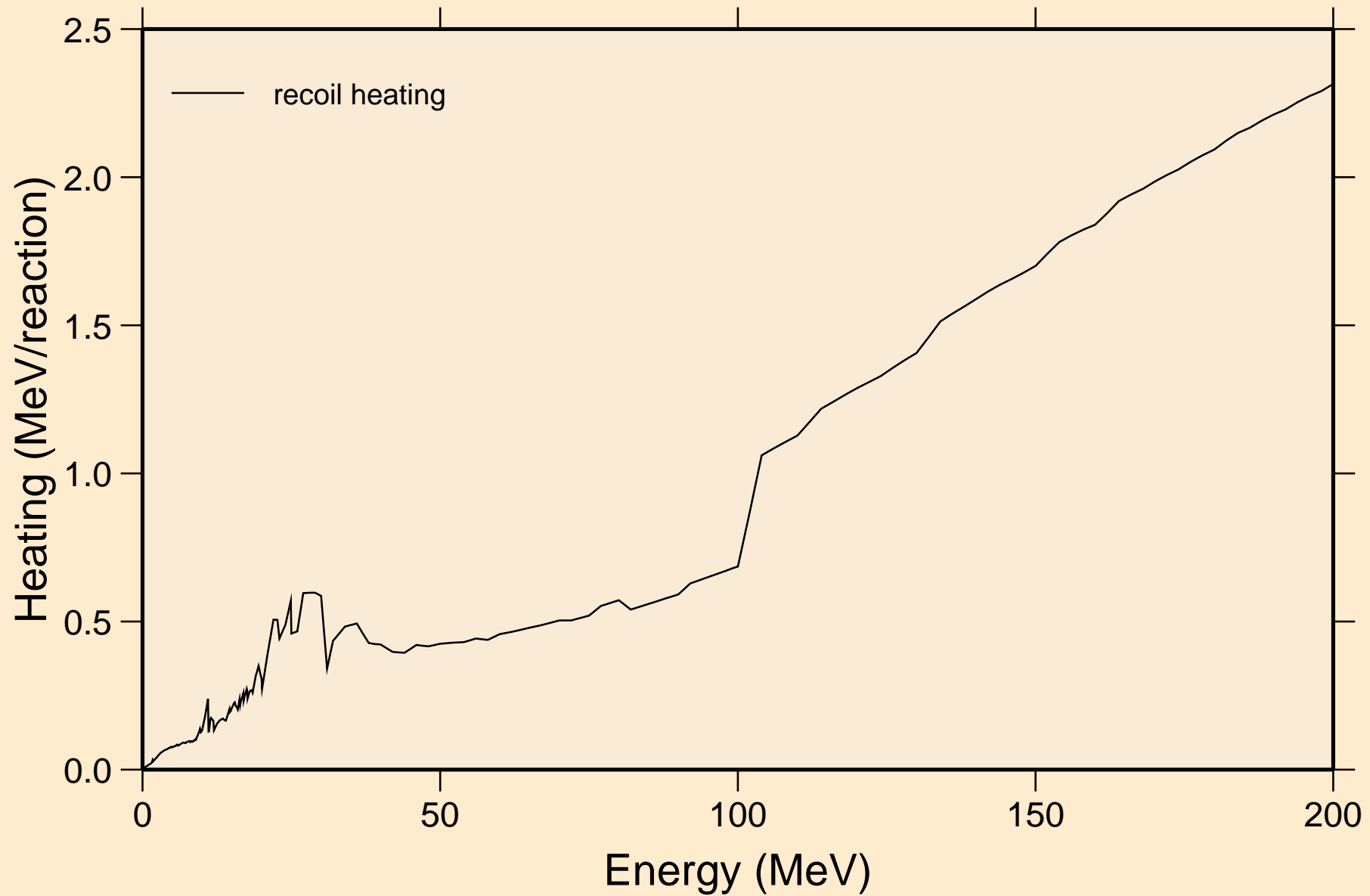


# RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

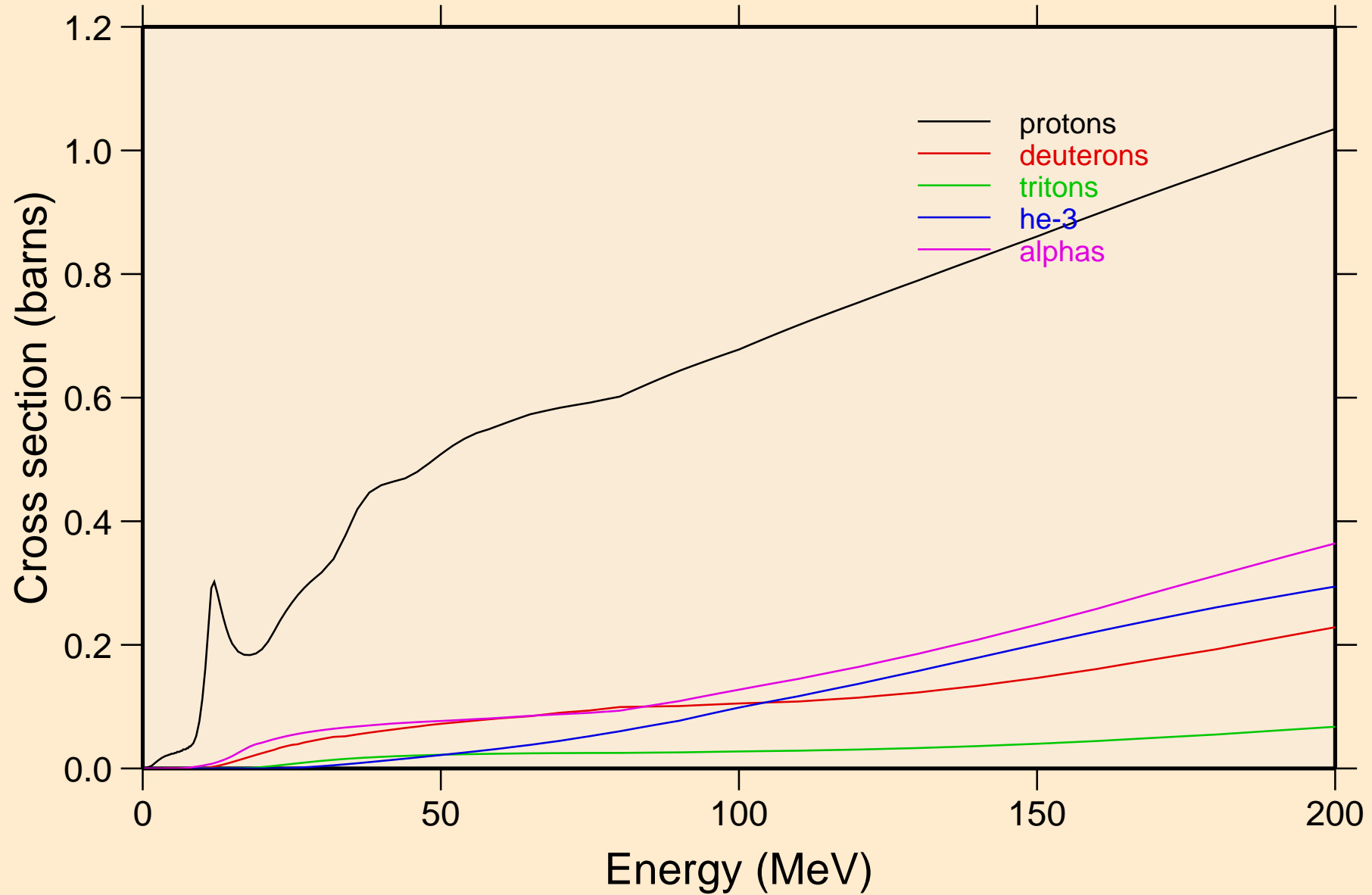
## Particle heating contributions



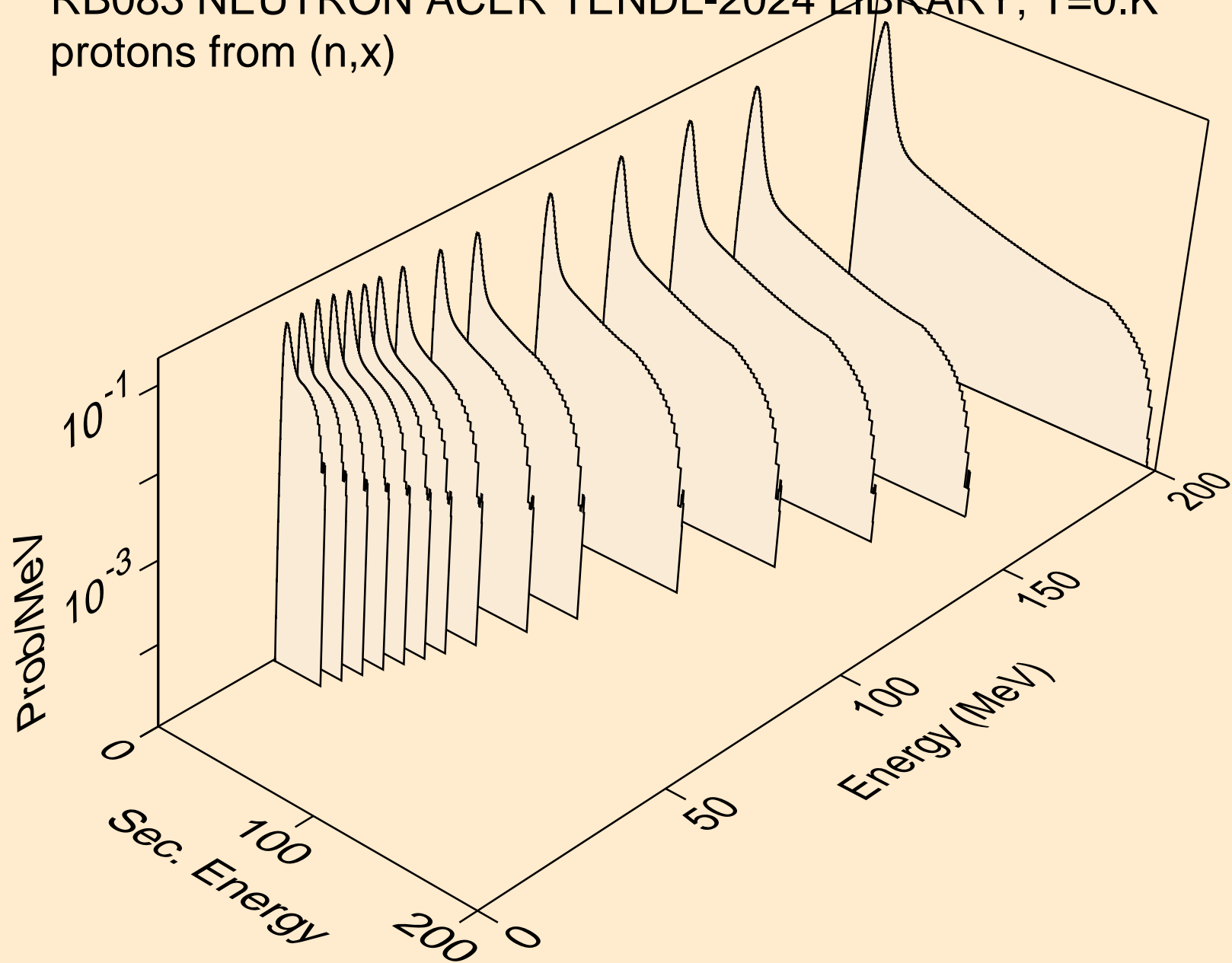
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Recoil Heating



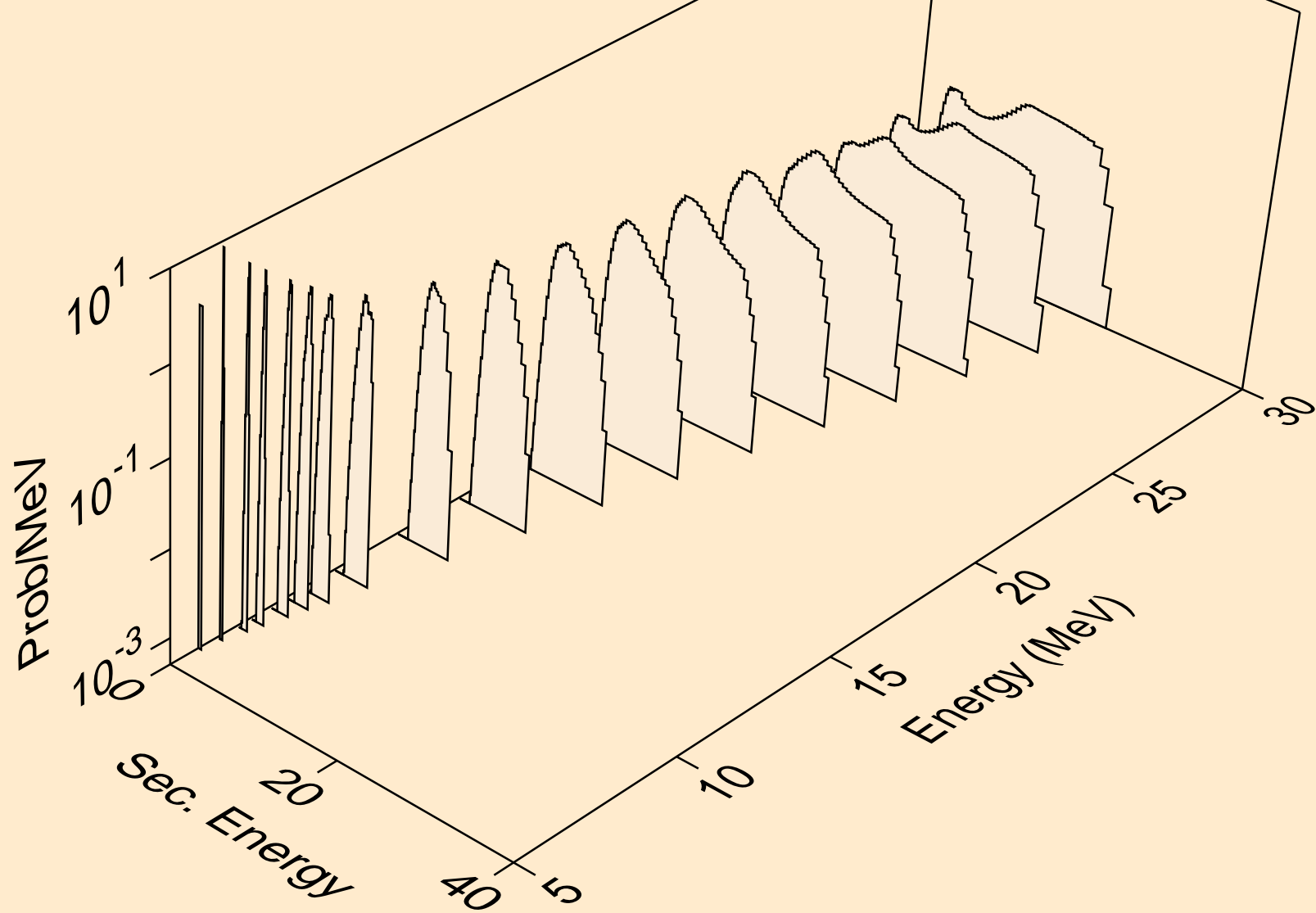
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Particle production cross sections



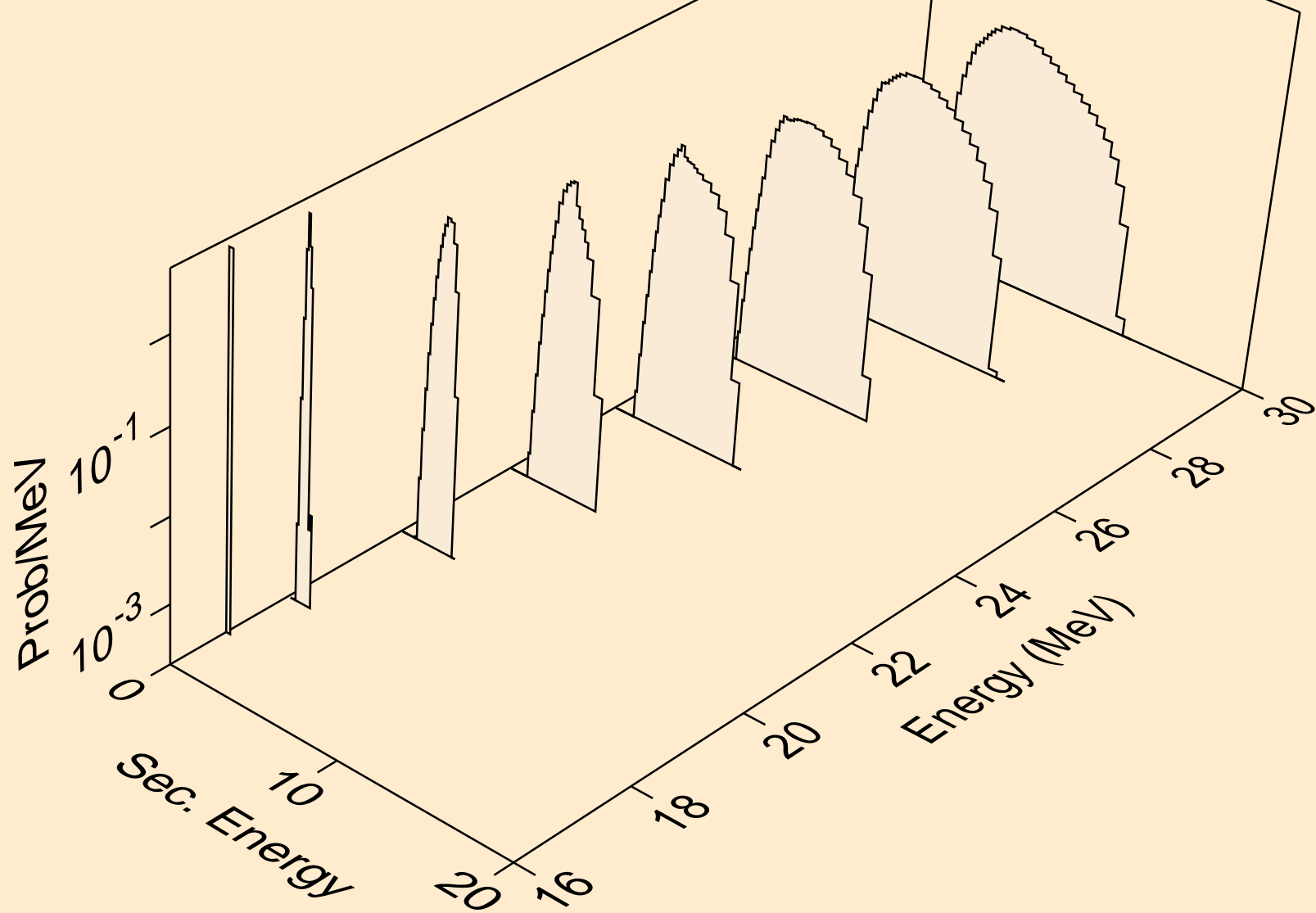
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p

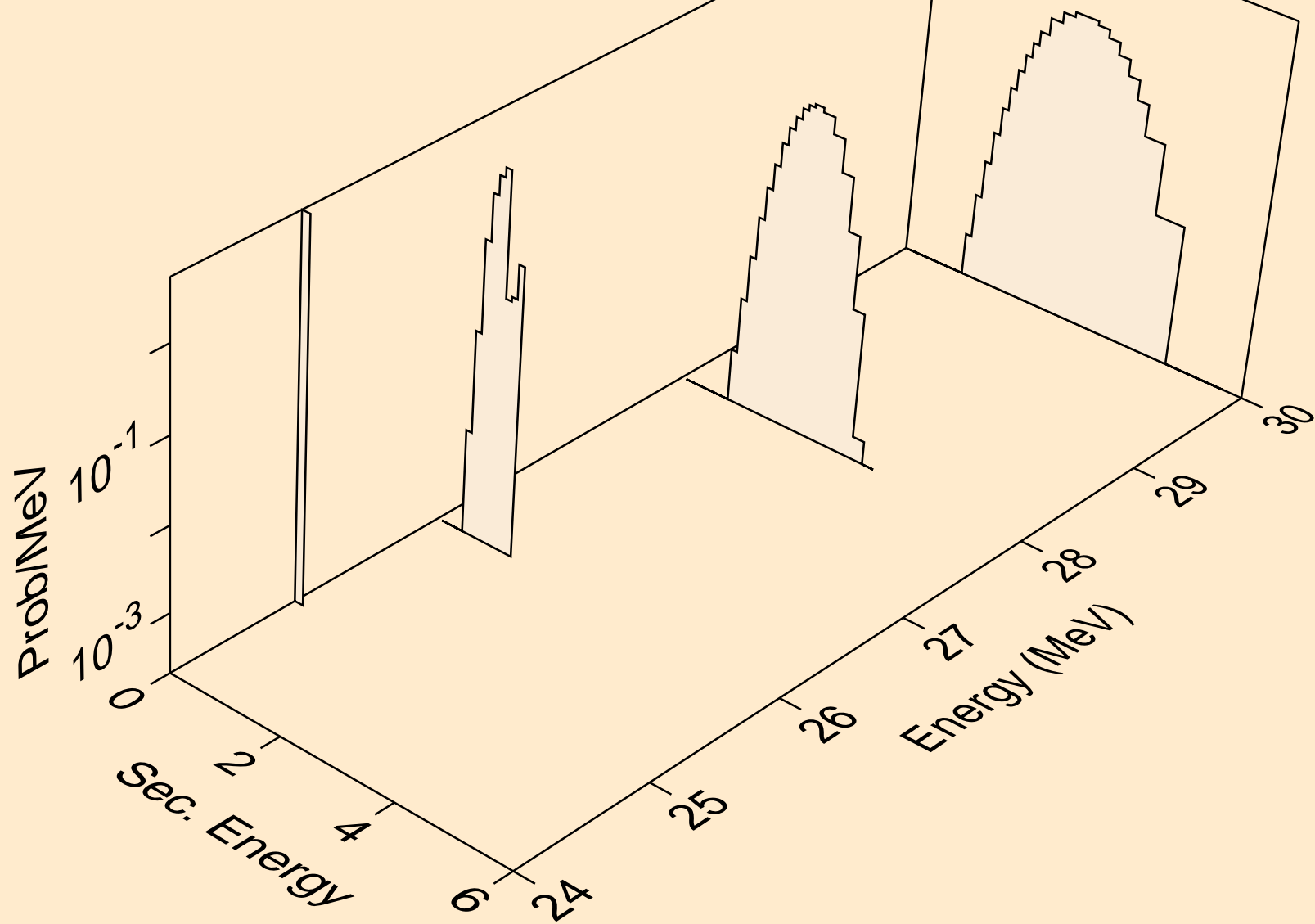


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protons from (n,2np)

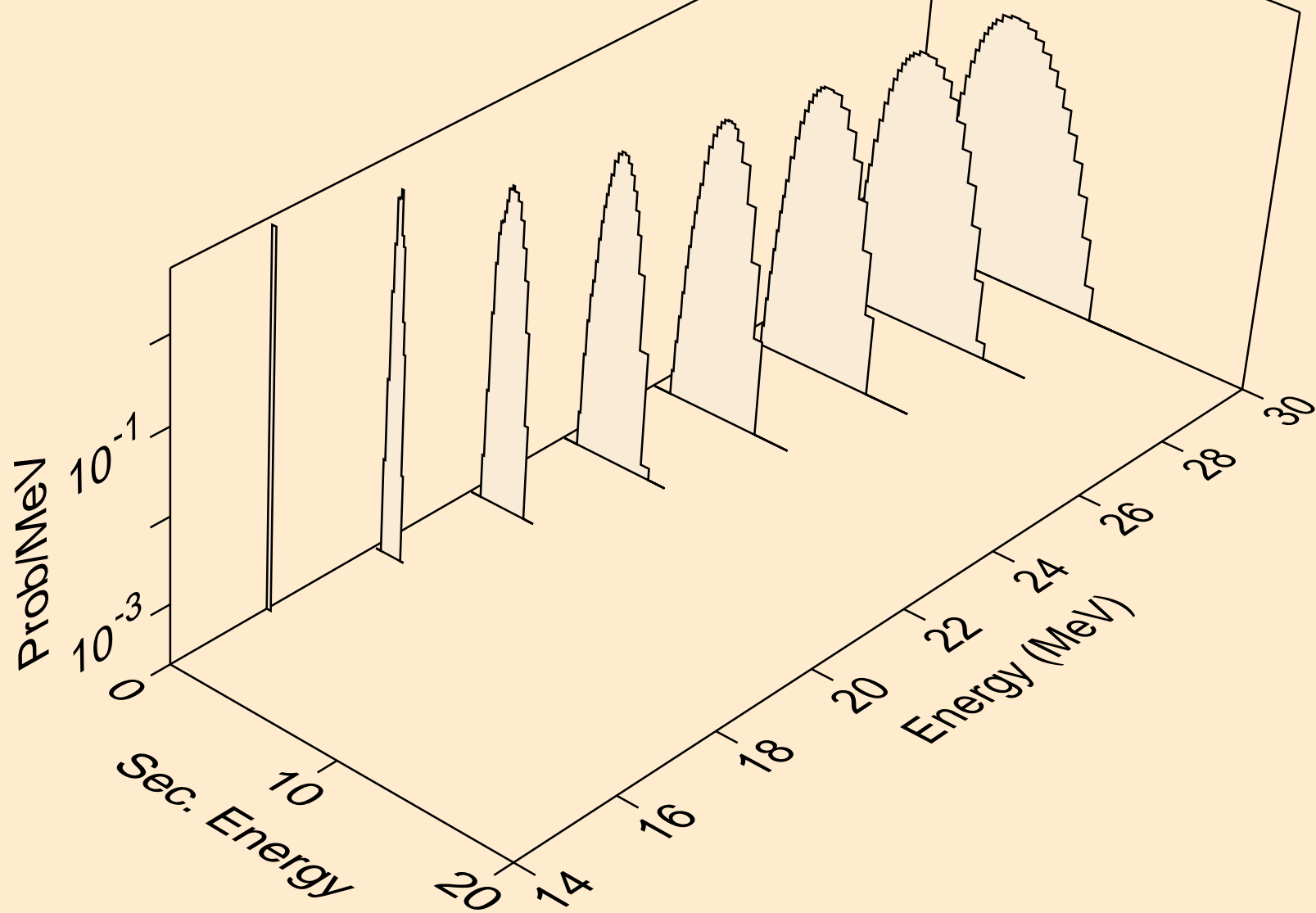




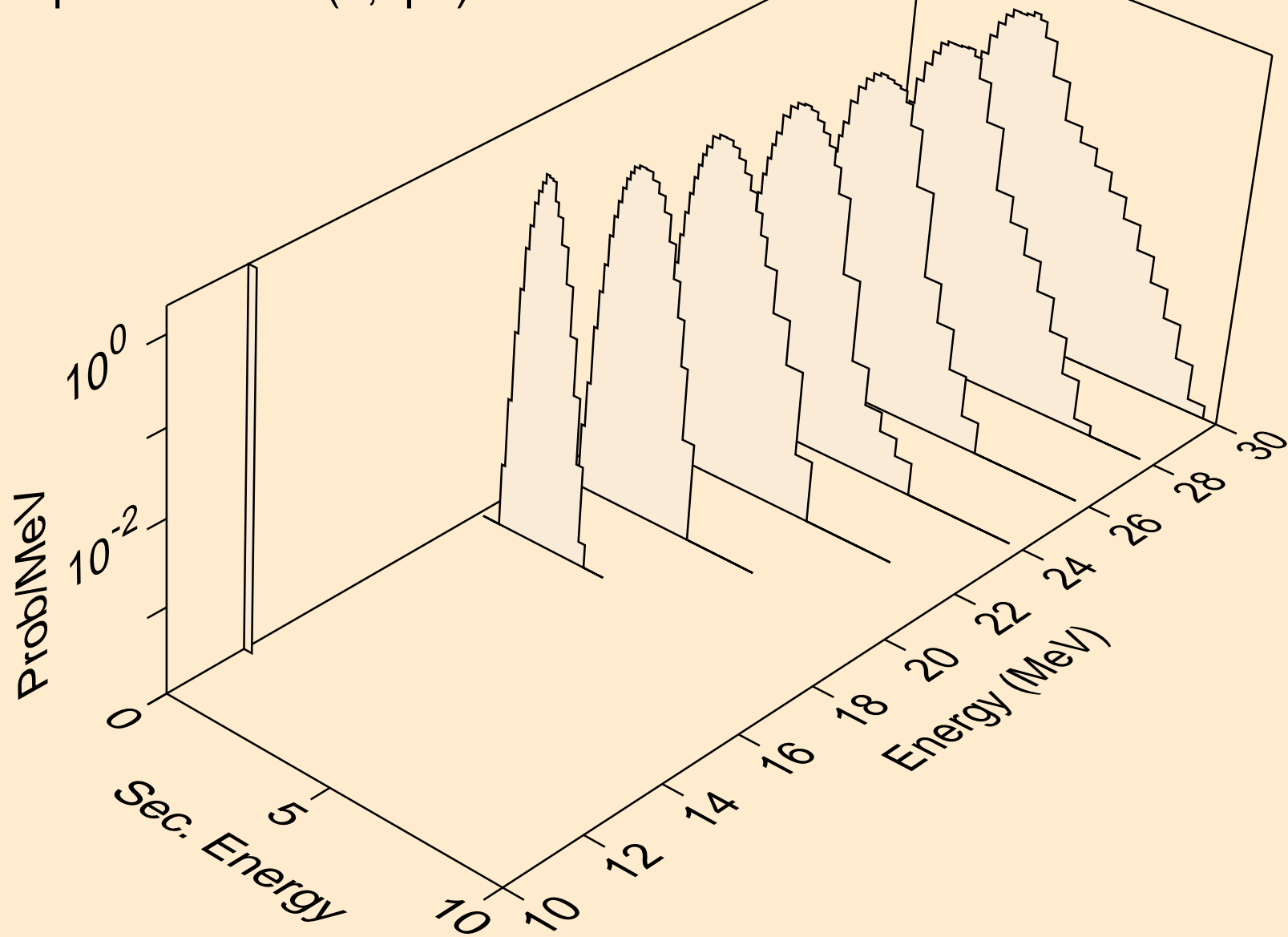
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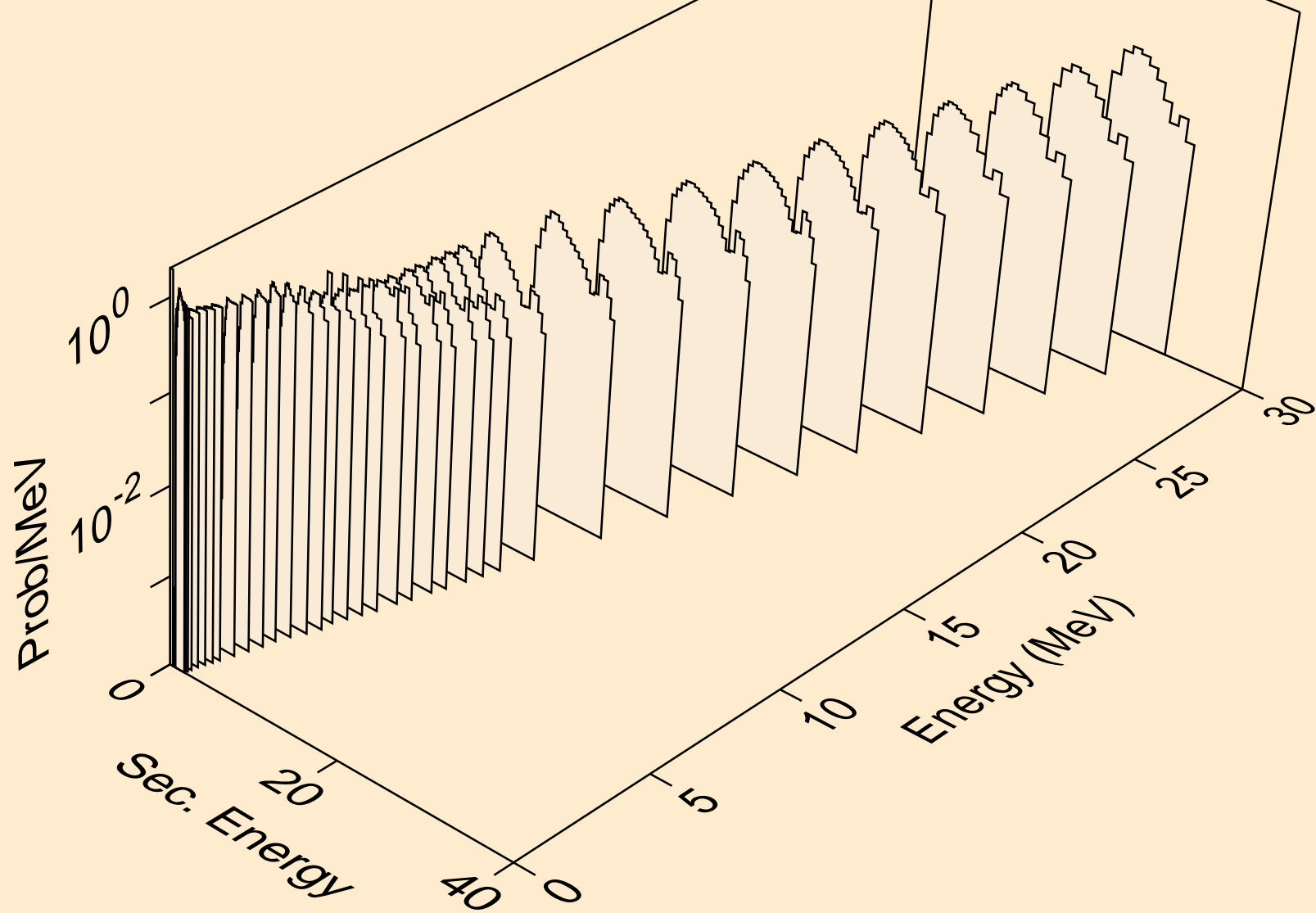
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protons from (n,n2p)



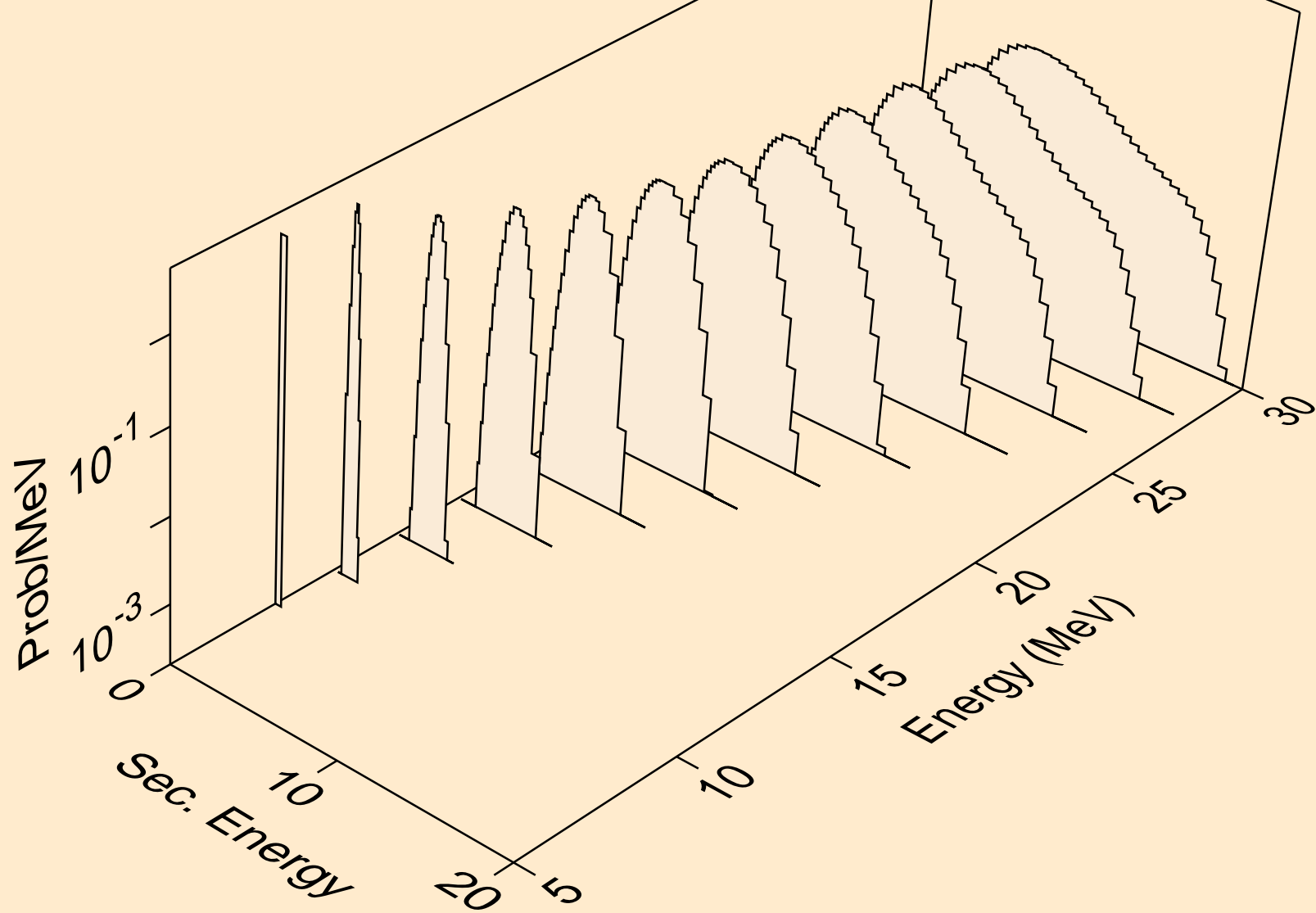
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protons from (n,npa)



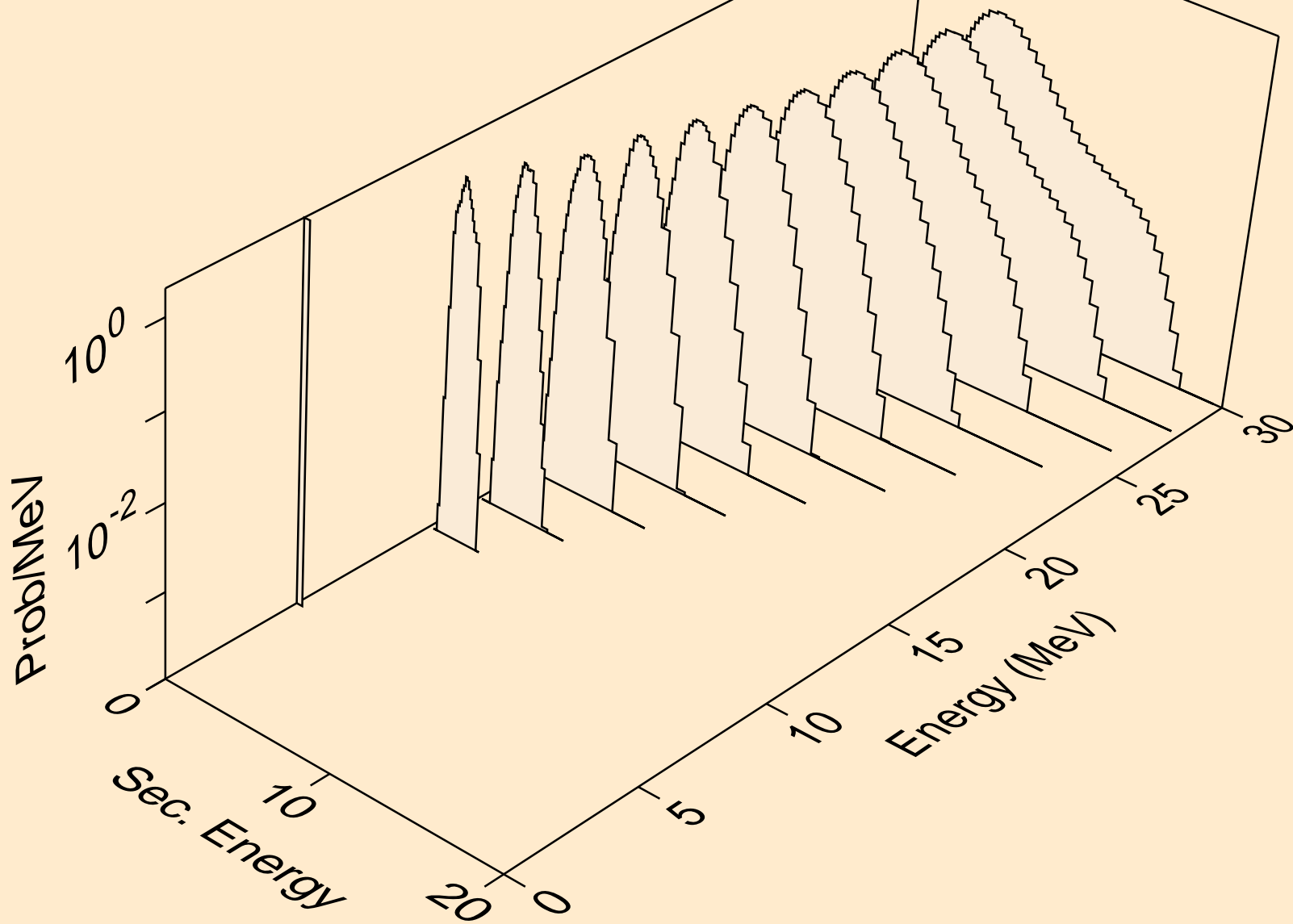
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protons from (n,p)



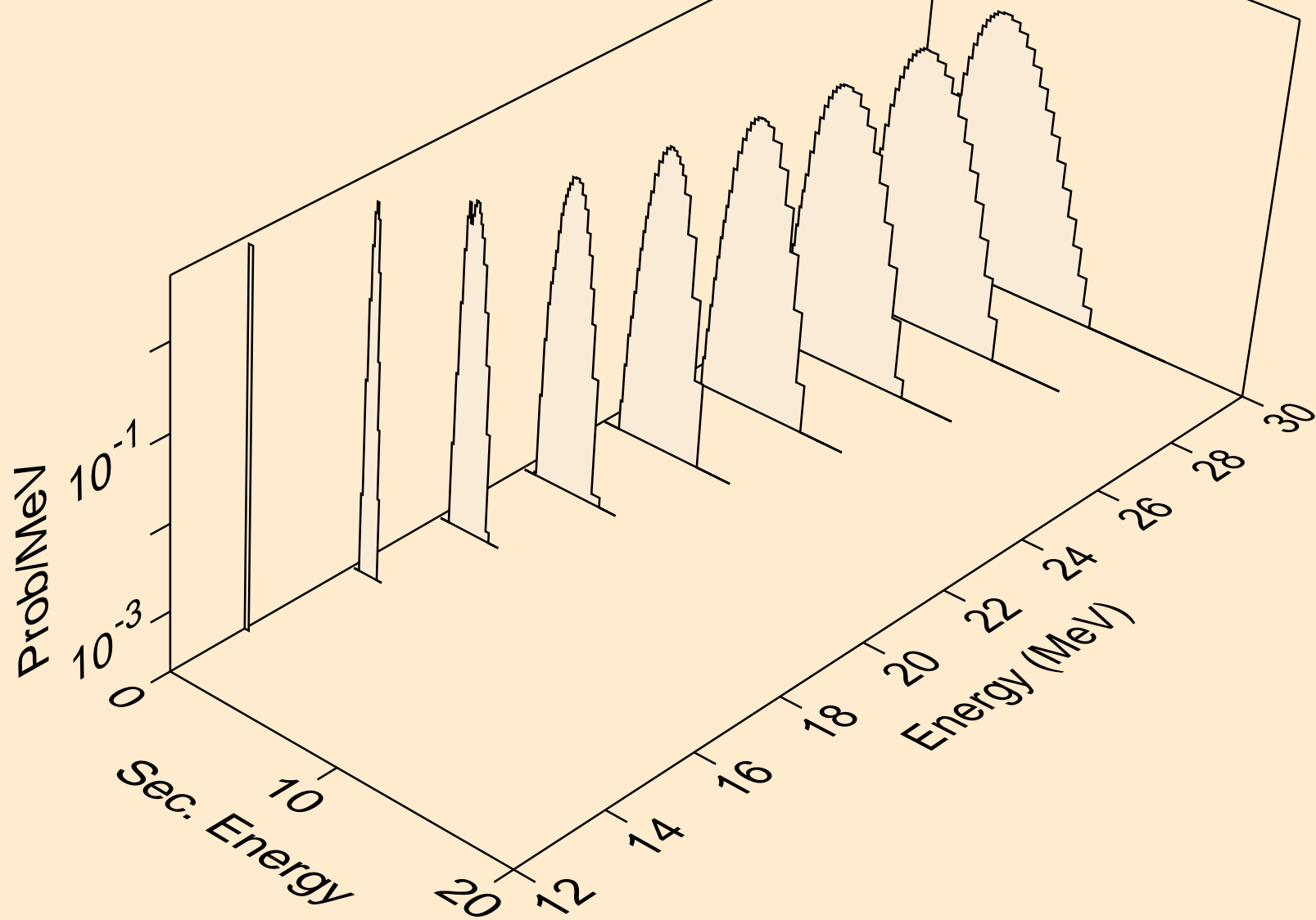
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protons from (n,2p)



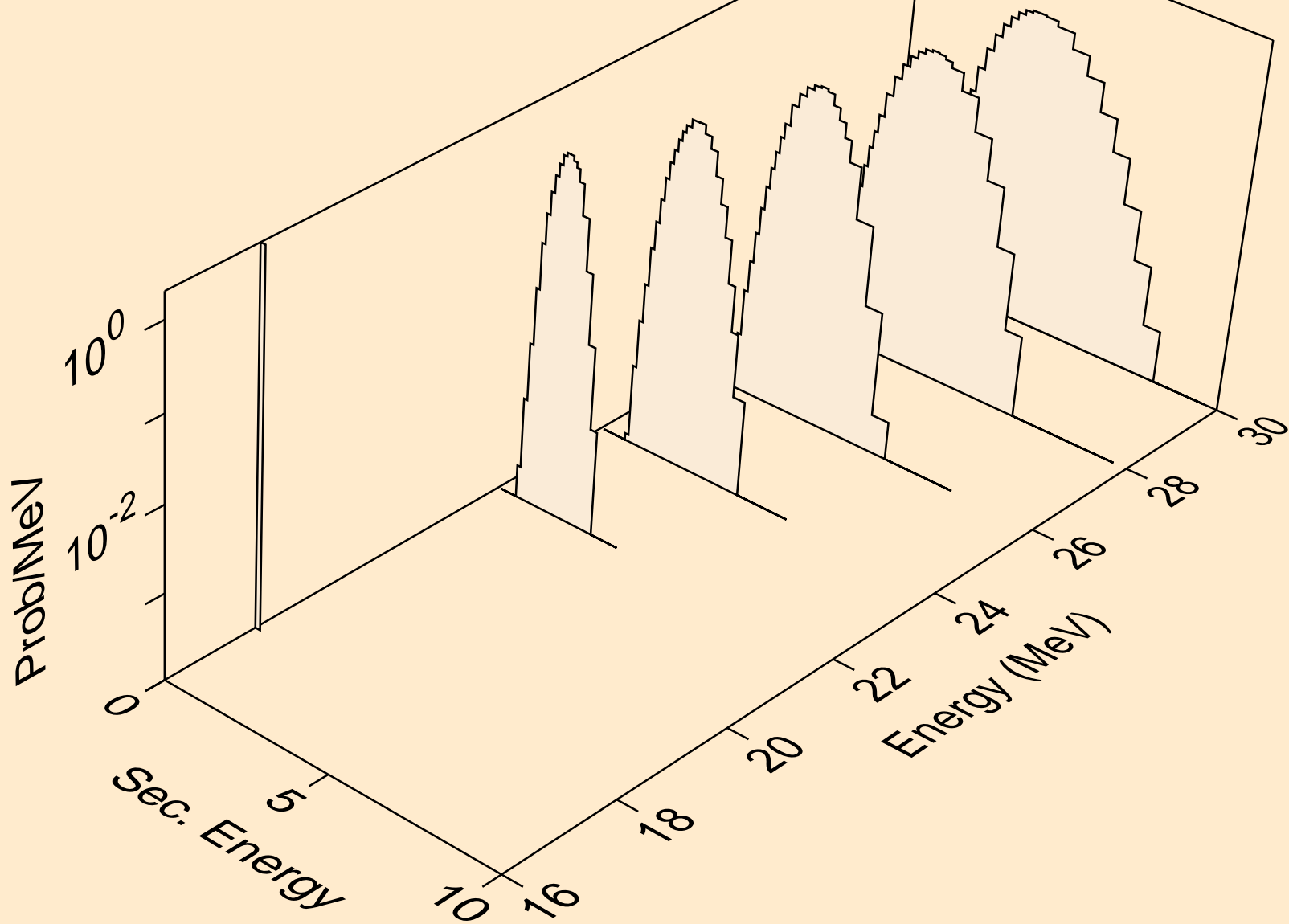
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protons from (n,pa)



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protons from (n,pd)

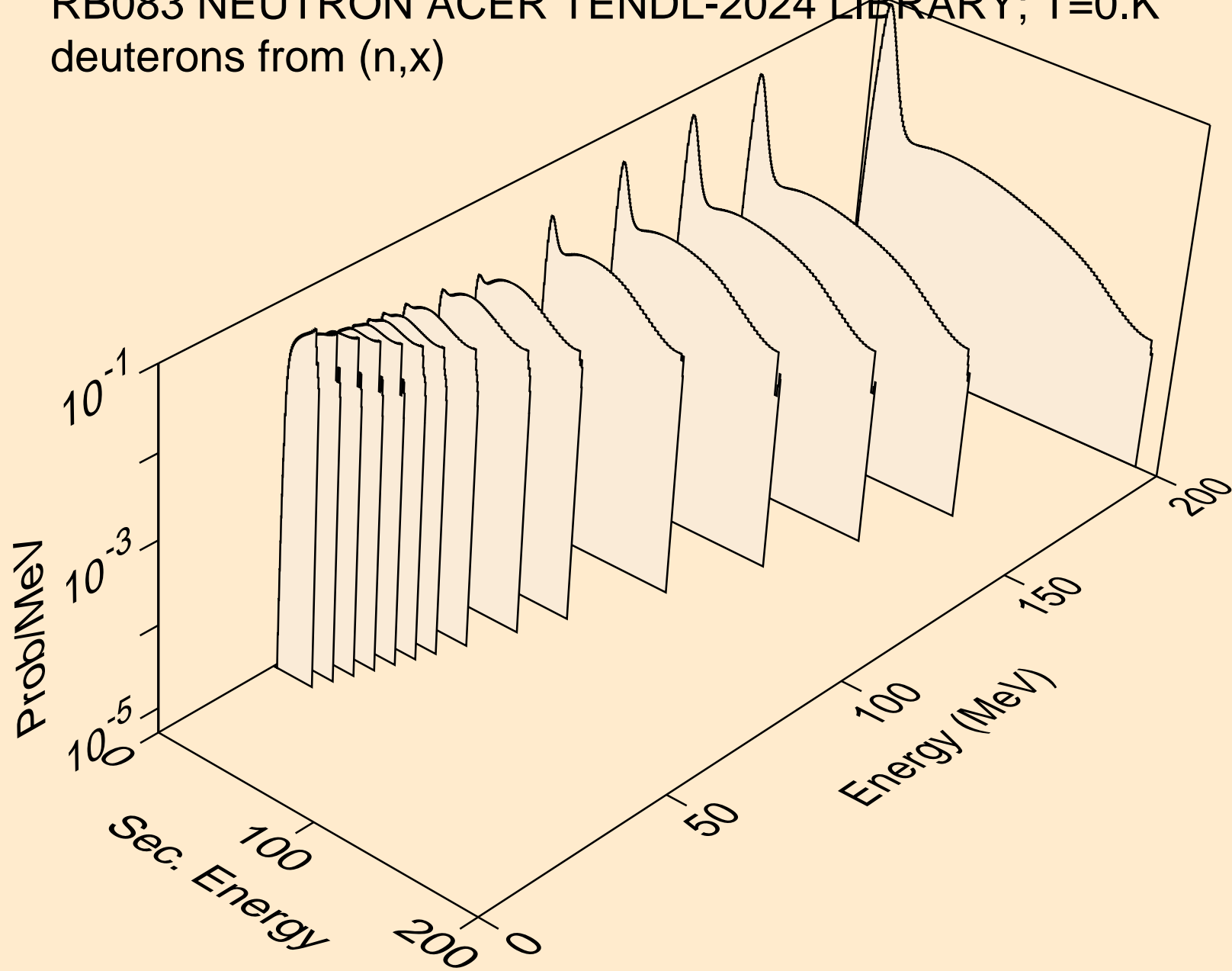


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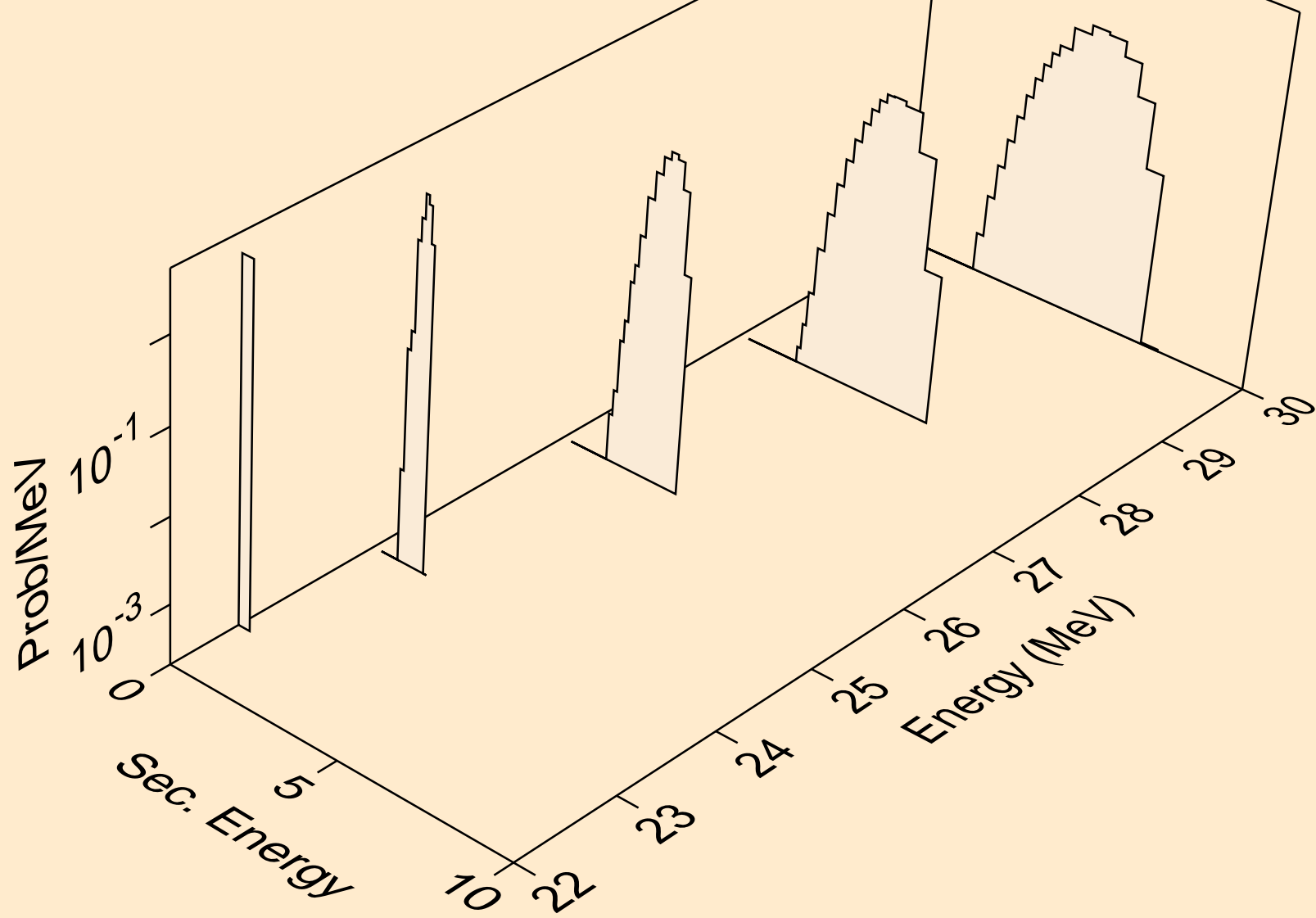




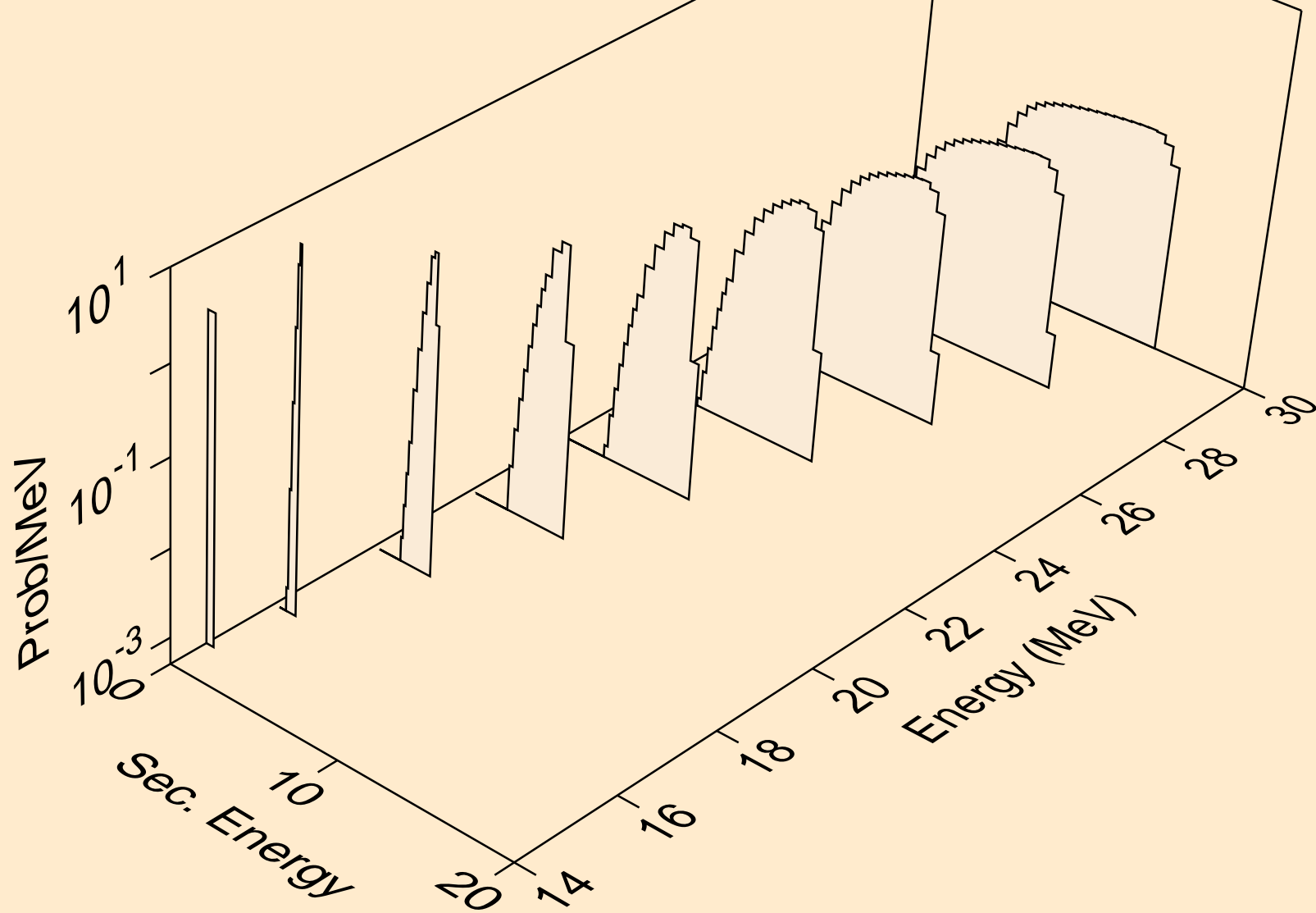
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deuterons from (n,x)



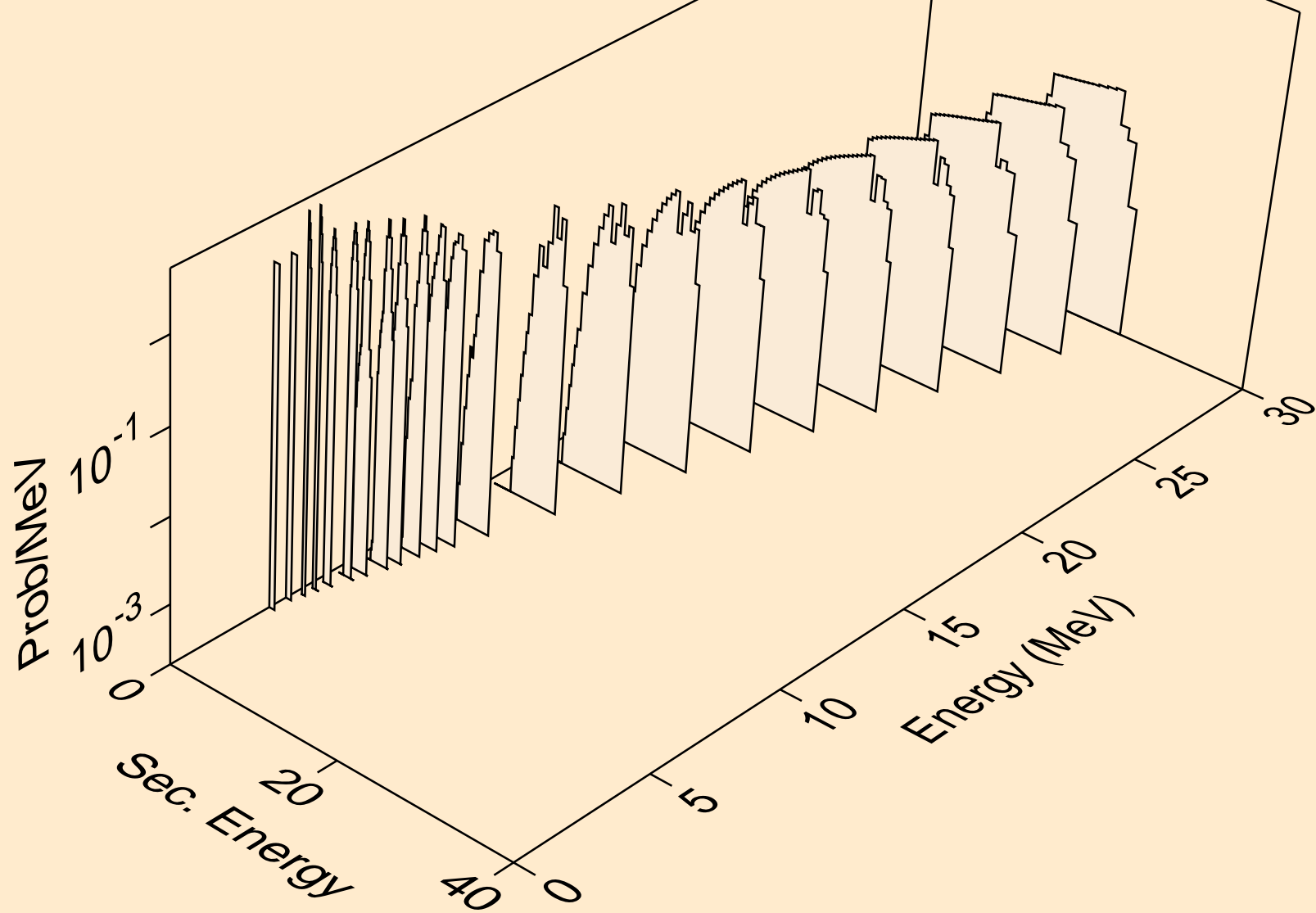
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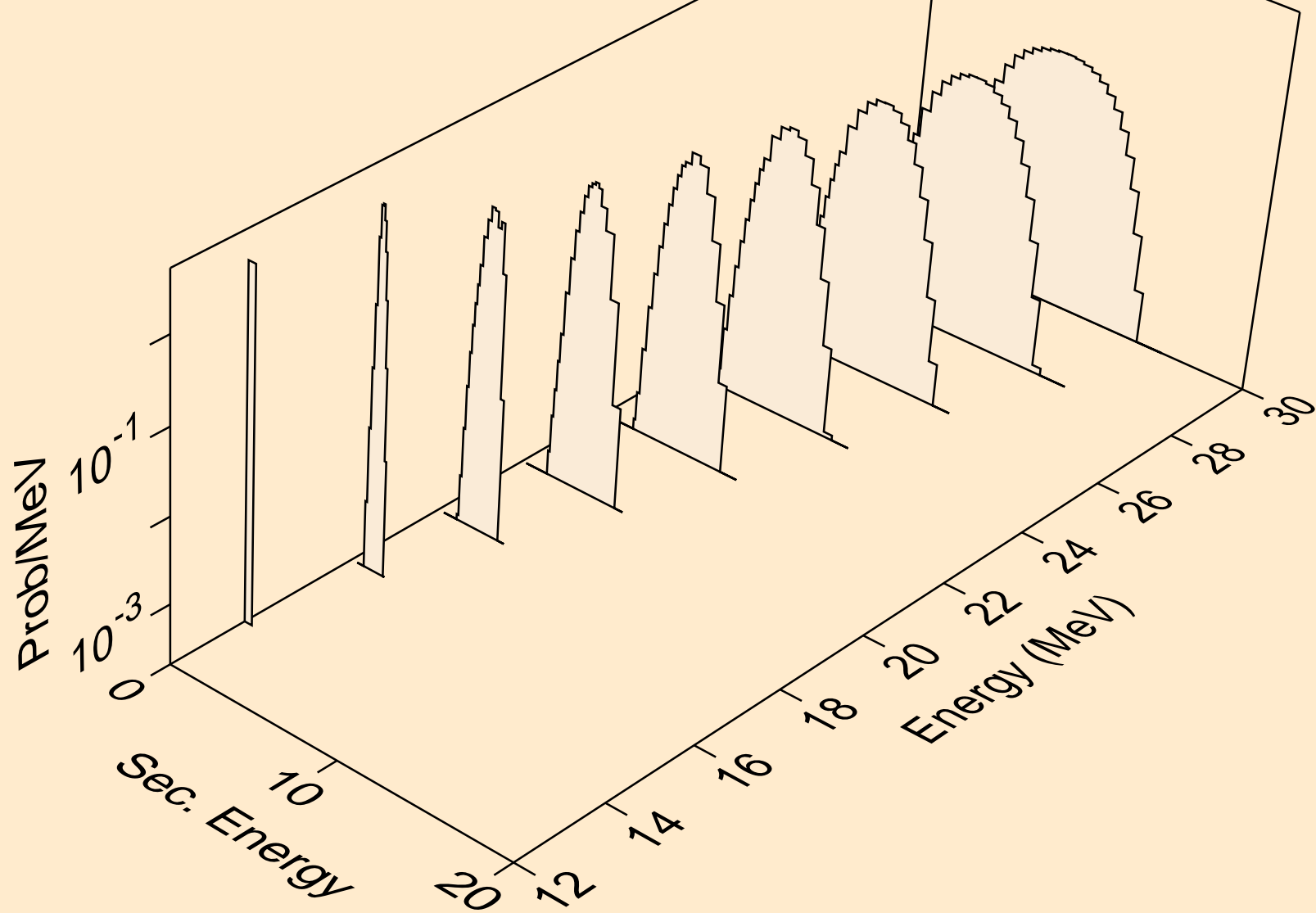
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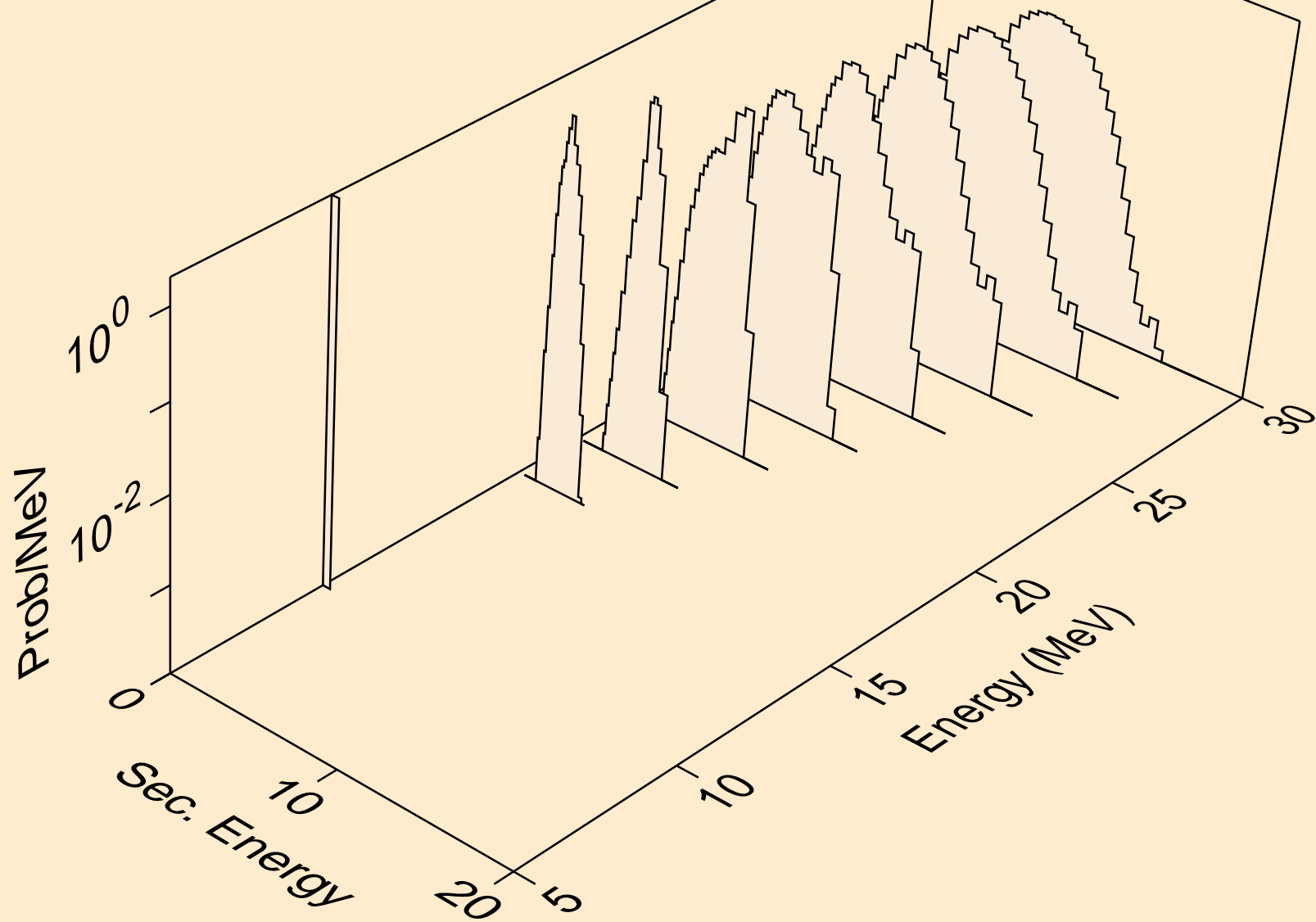
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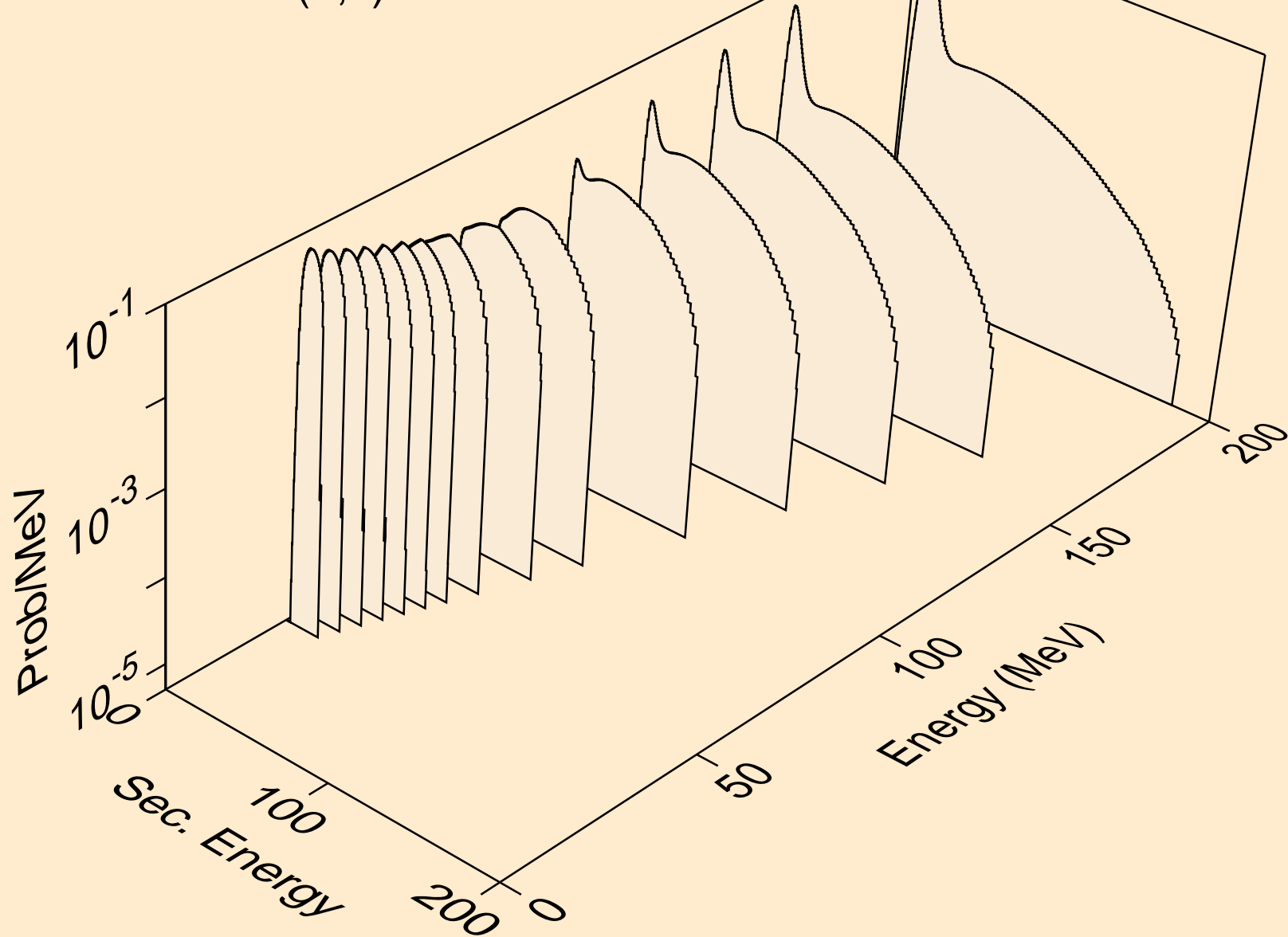
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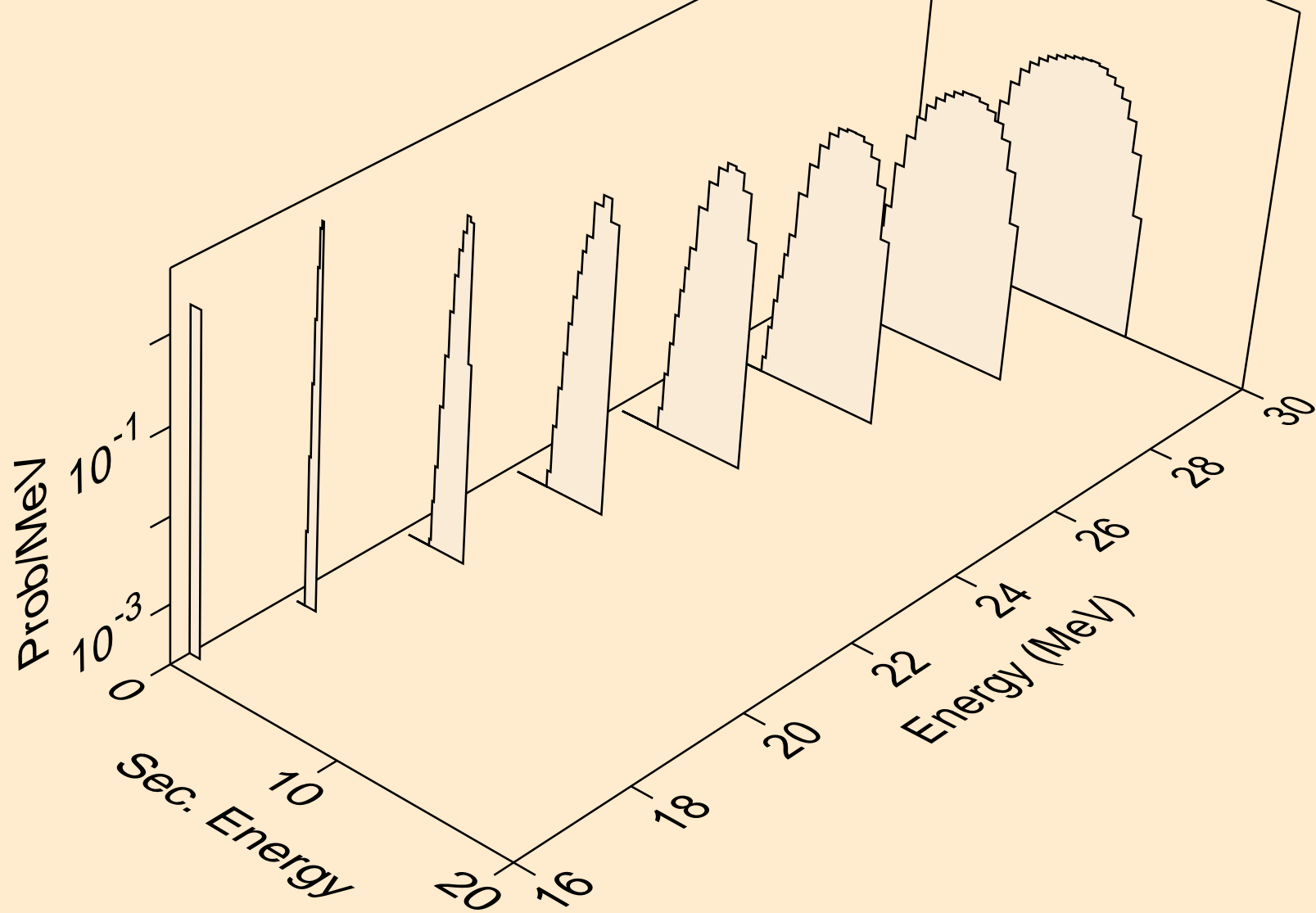
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deuterons from (n,da)



RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)

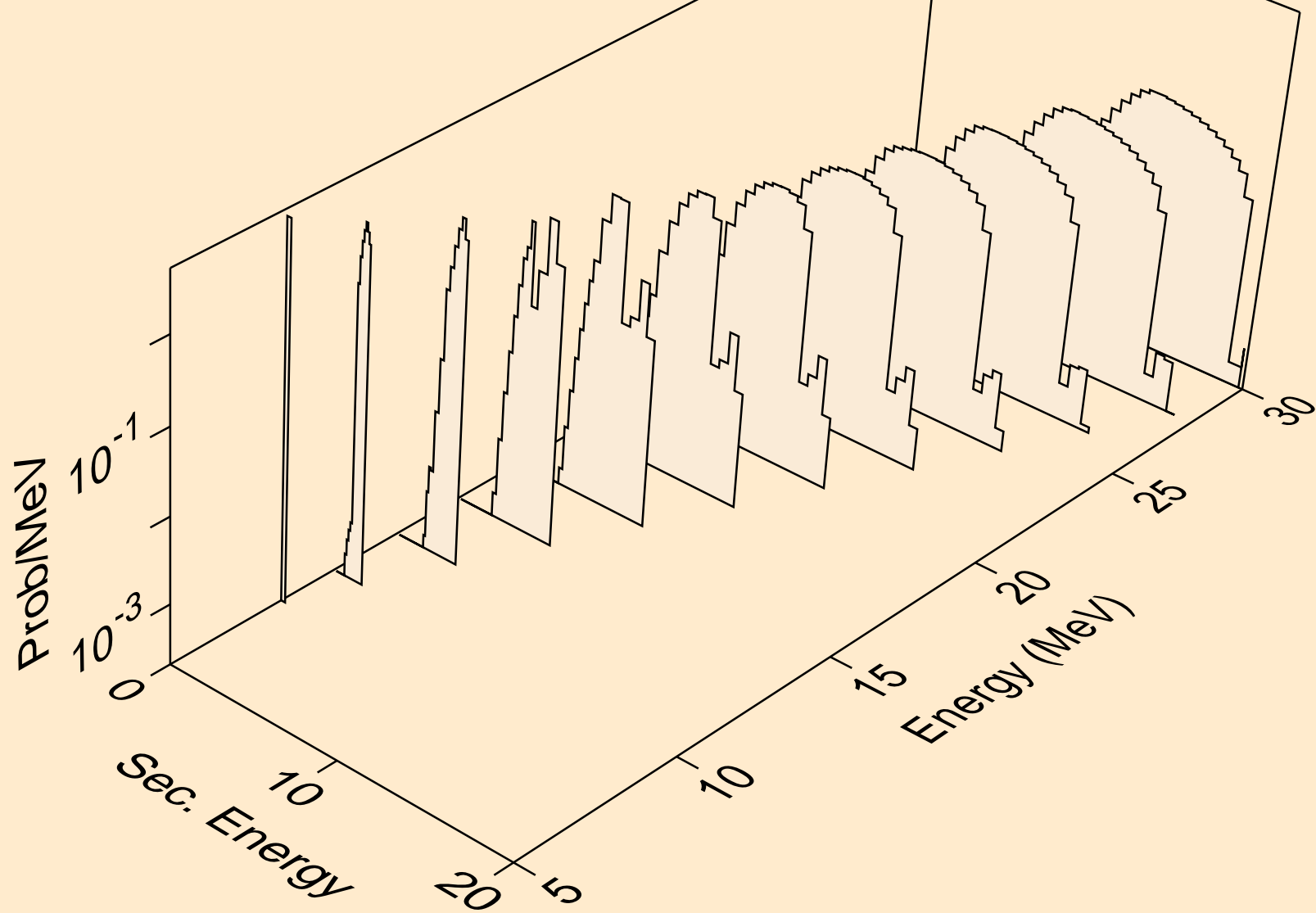


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tritons from (n,n\*)t

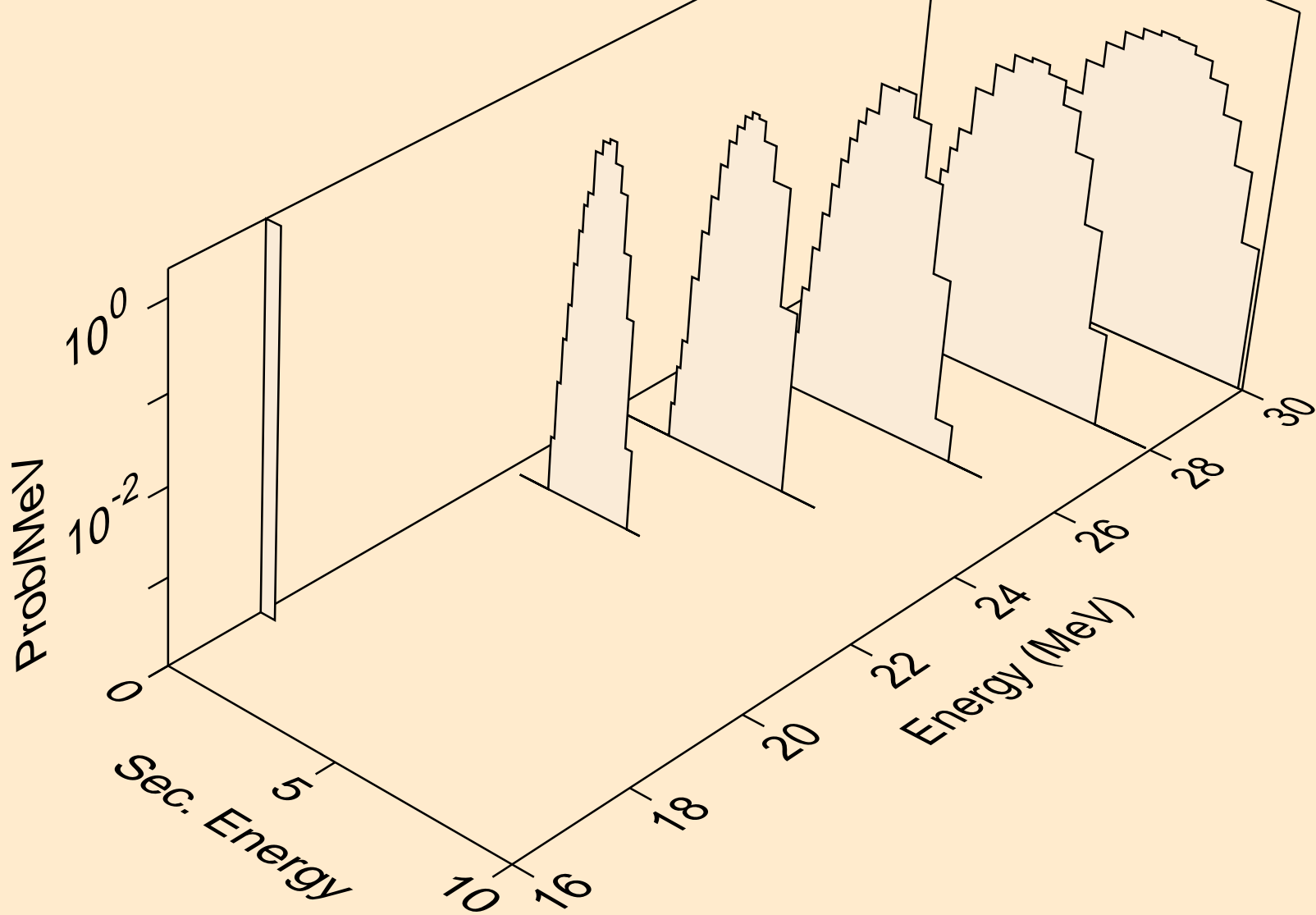




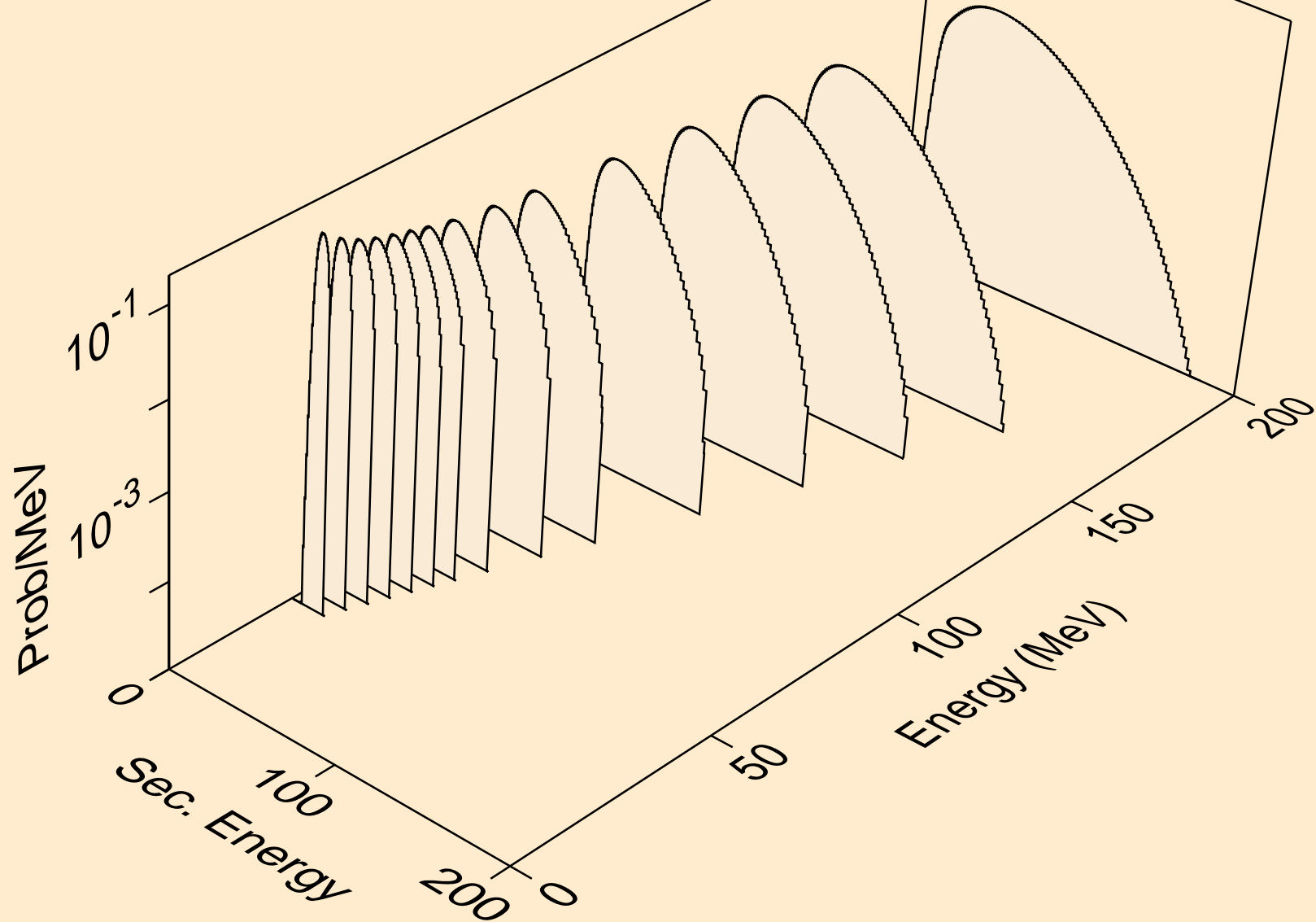
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tritons from (n,t)



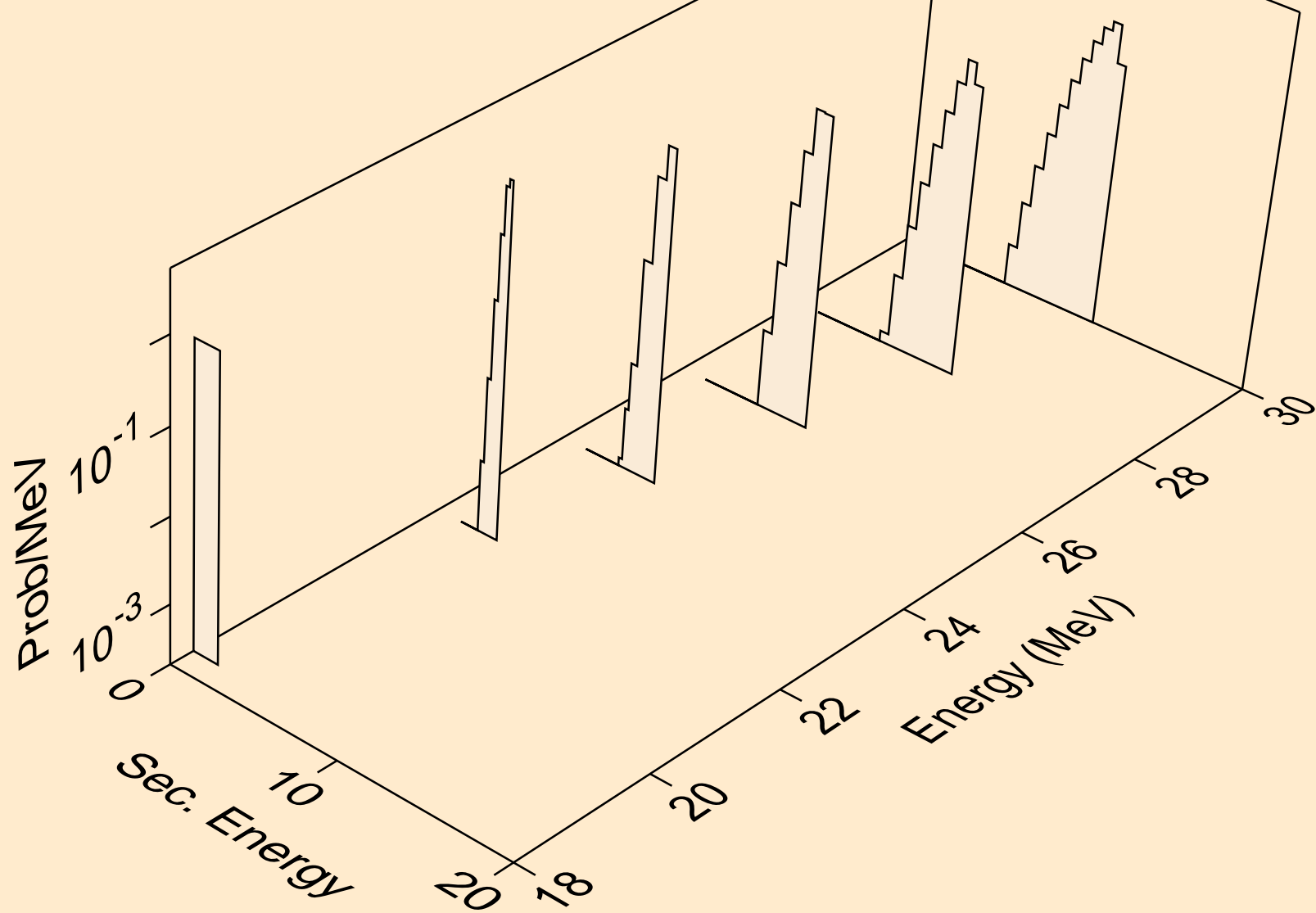
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tritons from (n,pt)



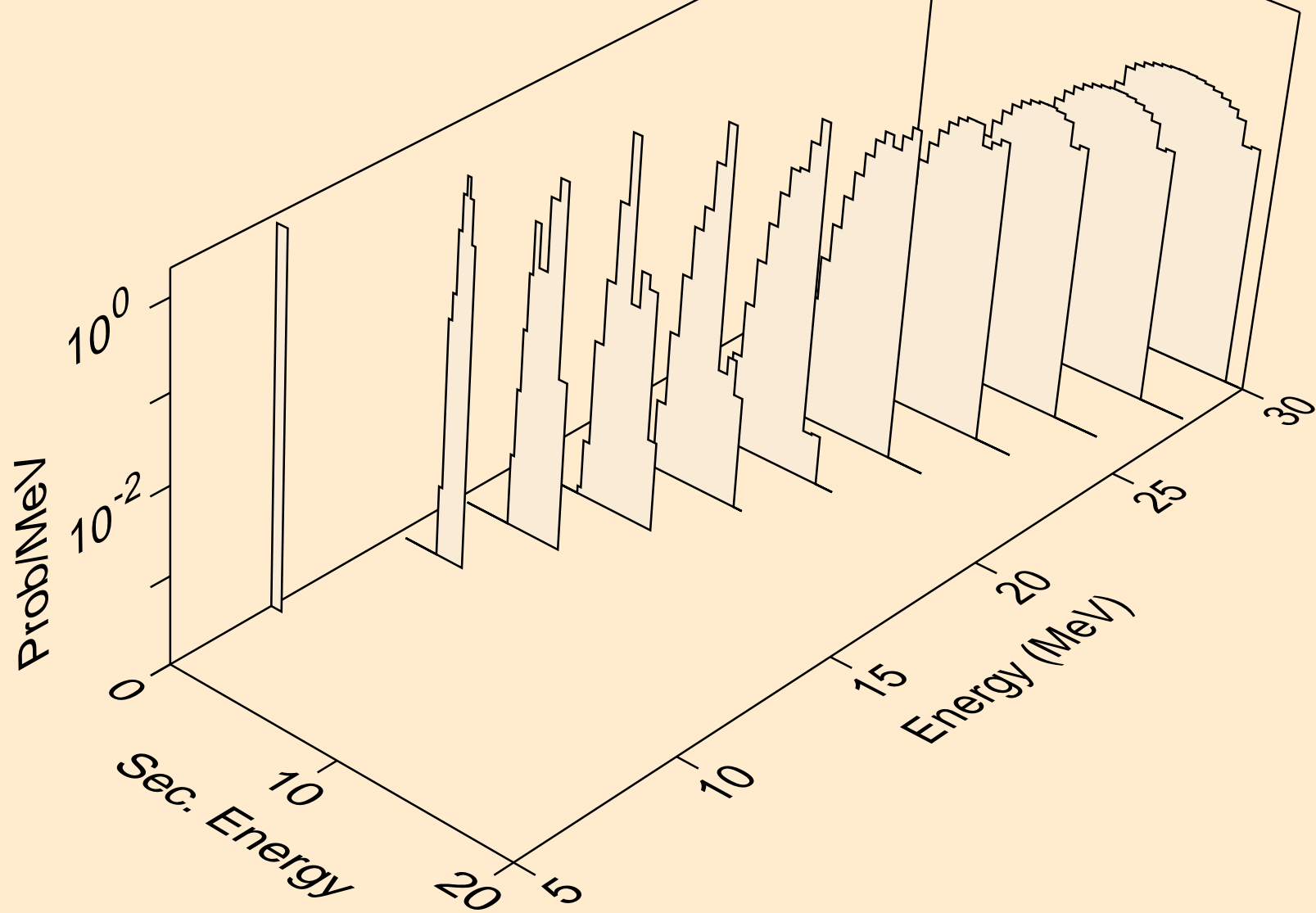
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he3s from (n,x)



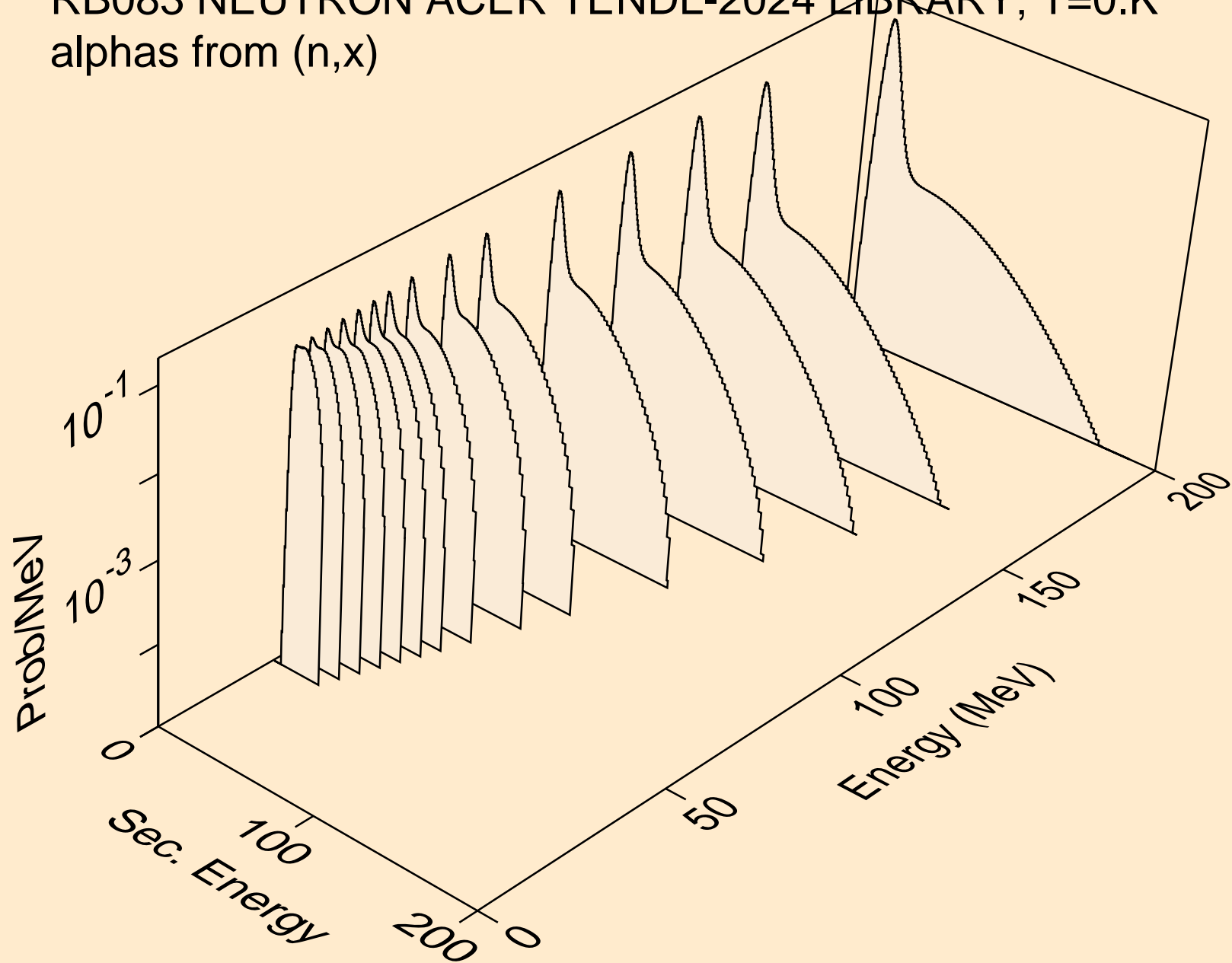
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he3s from (n,n\*)he3



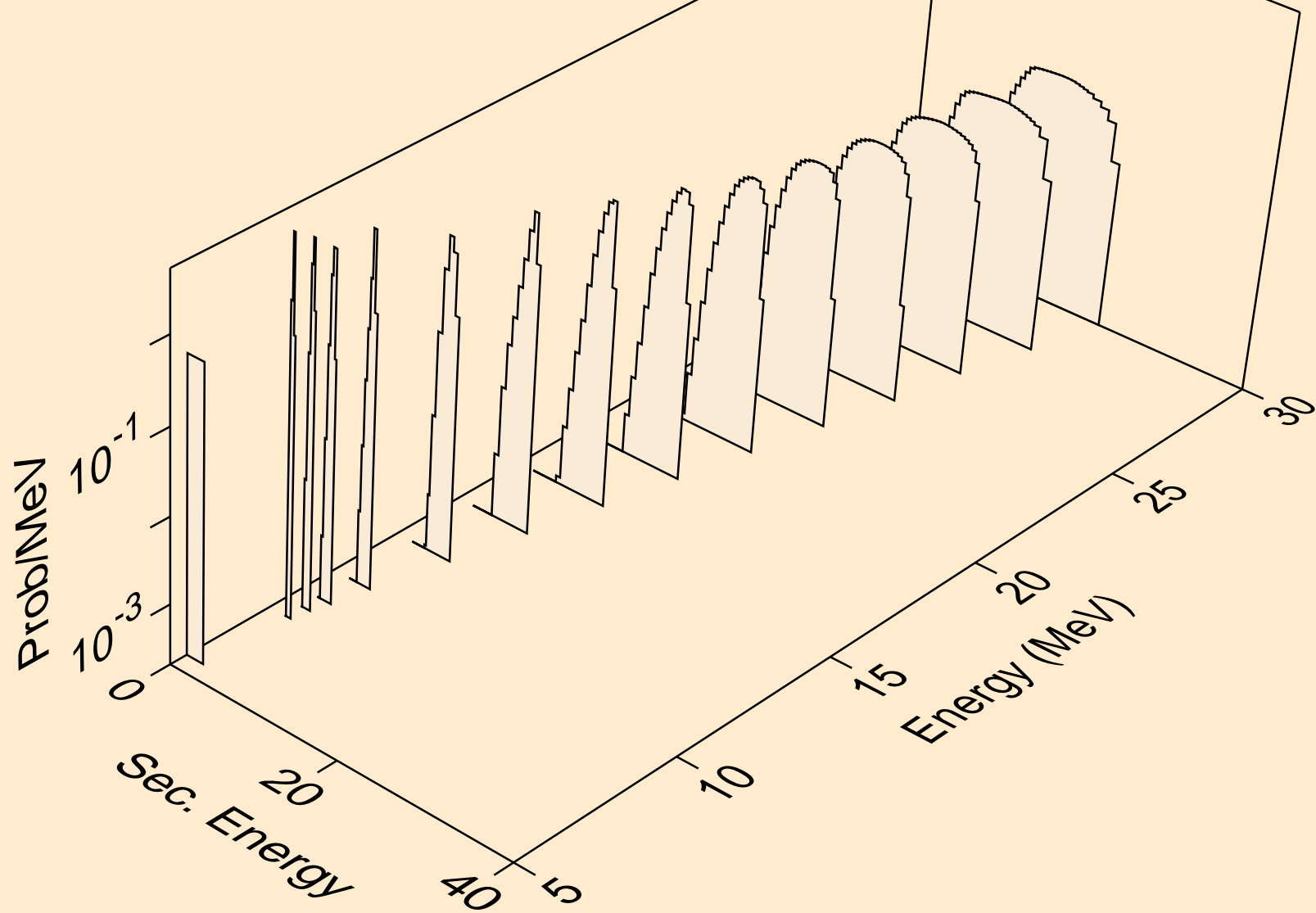
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he3s from (n,he3)



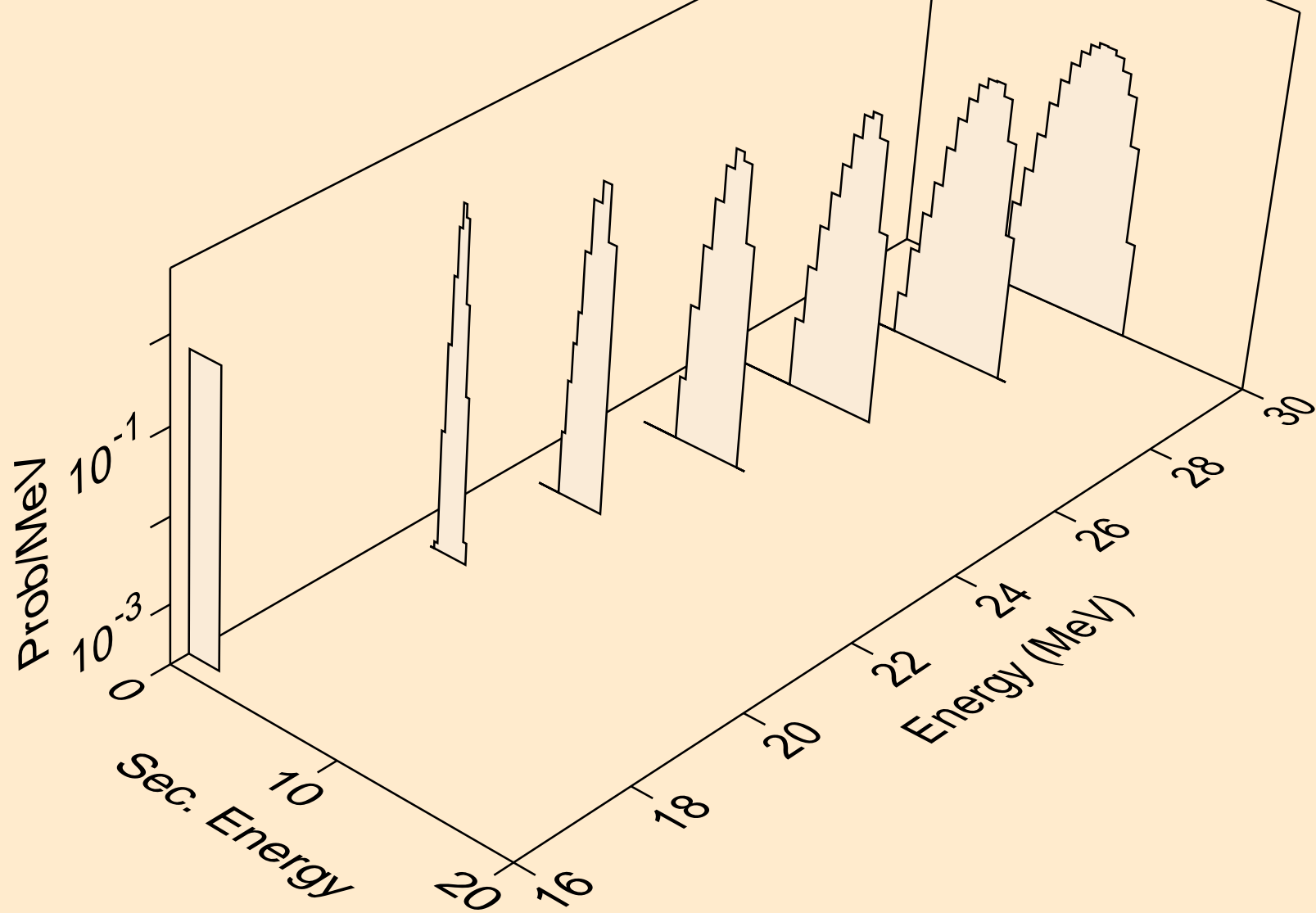
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alphas from (n,x)



RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a

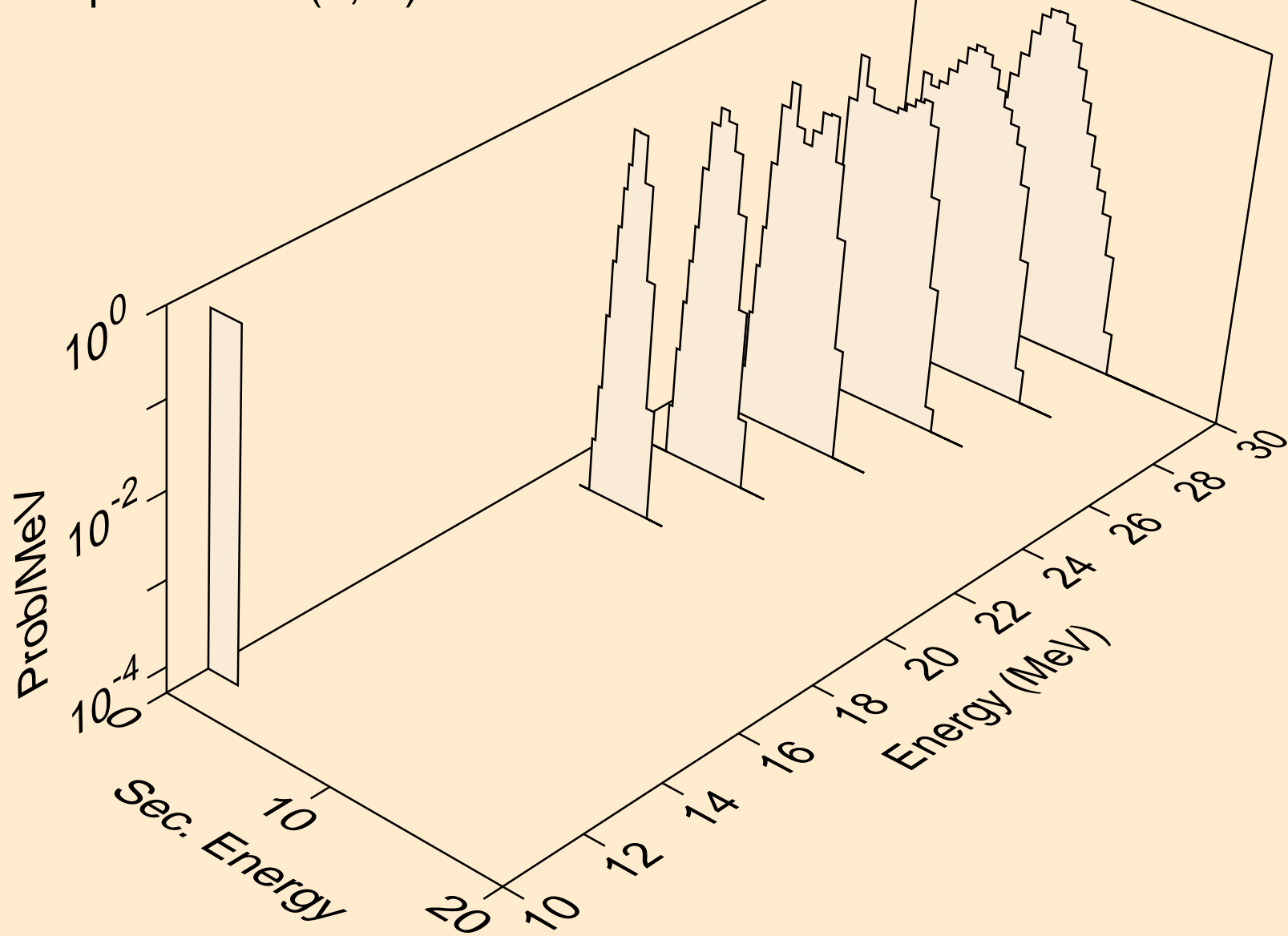


RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a

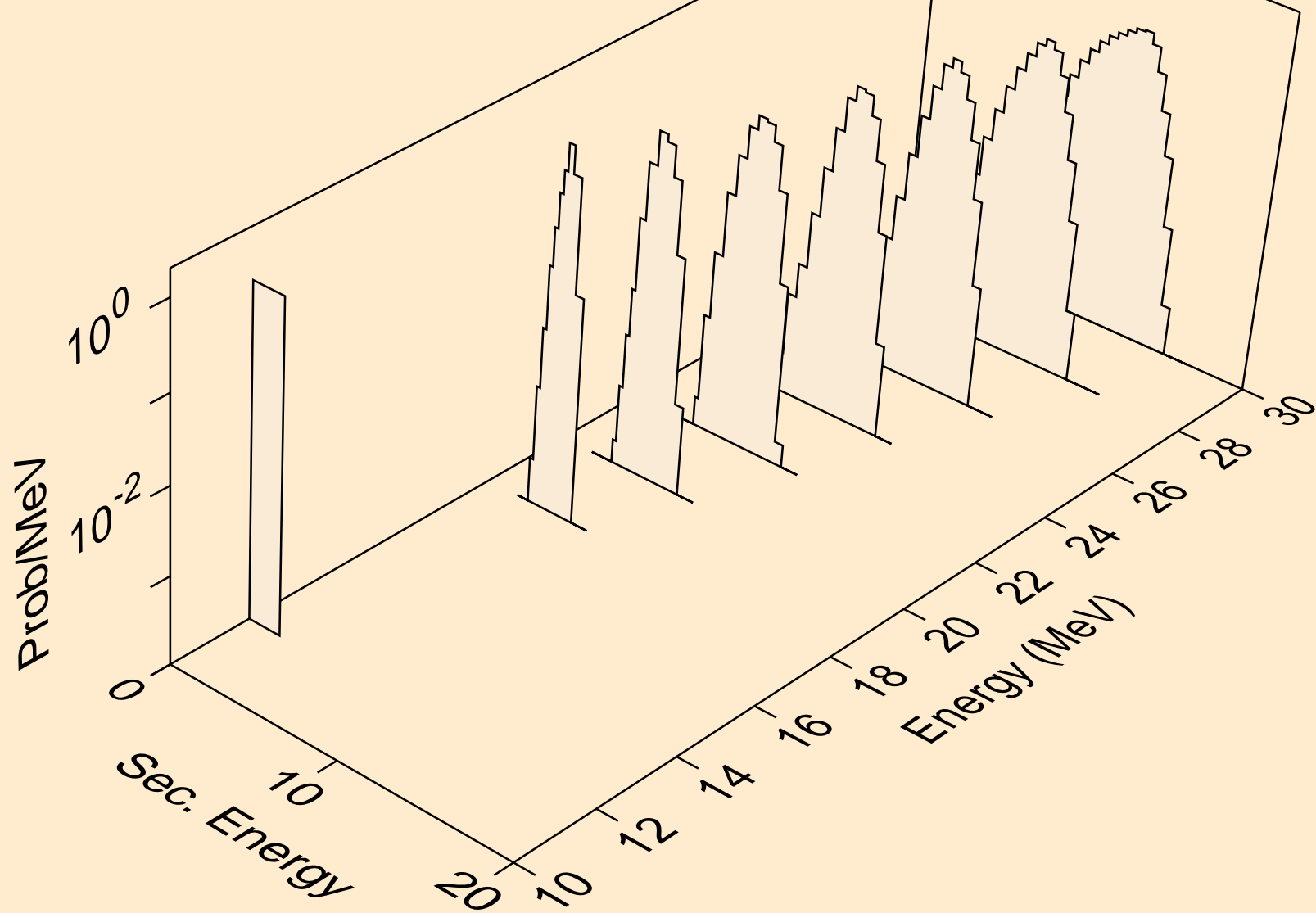




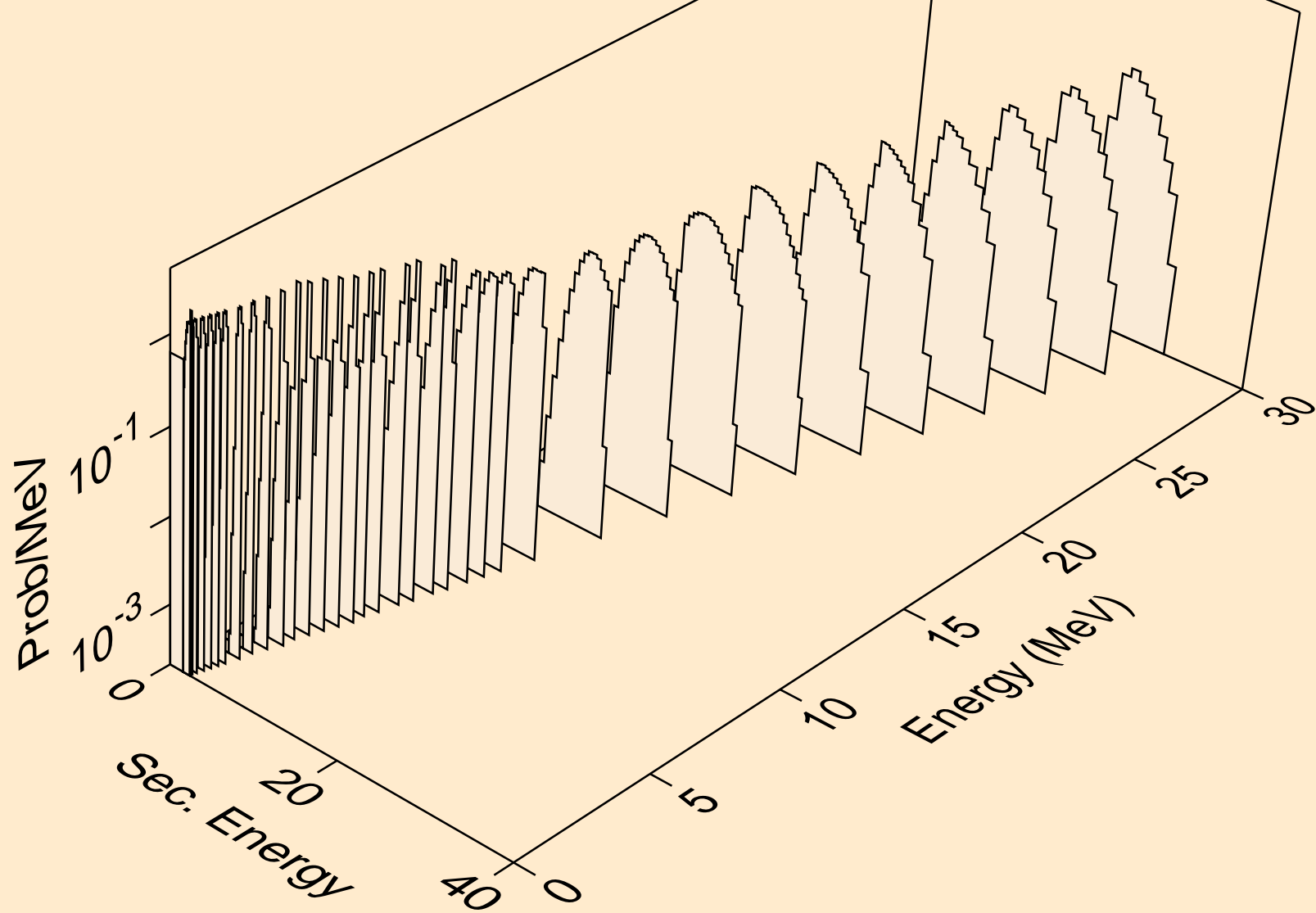
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)2a



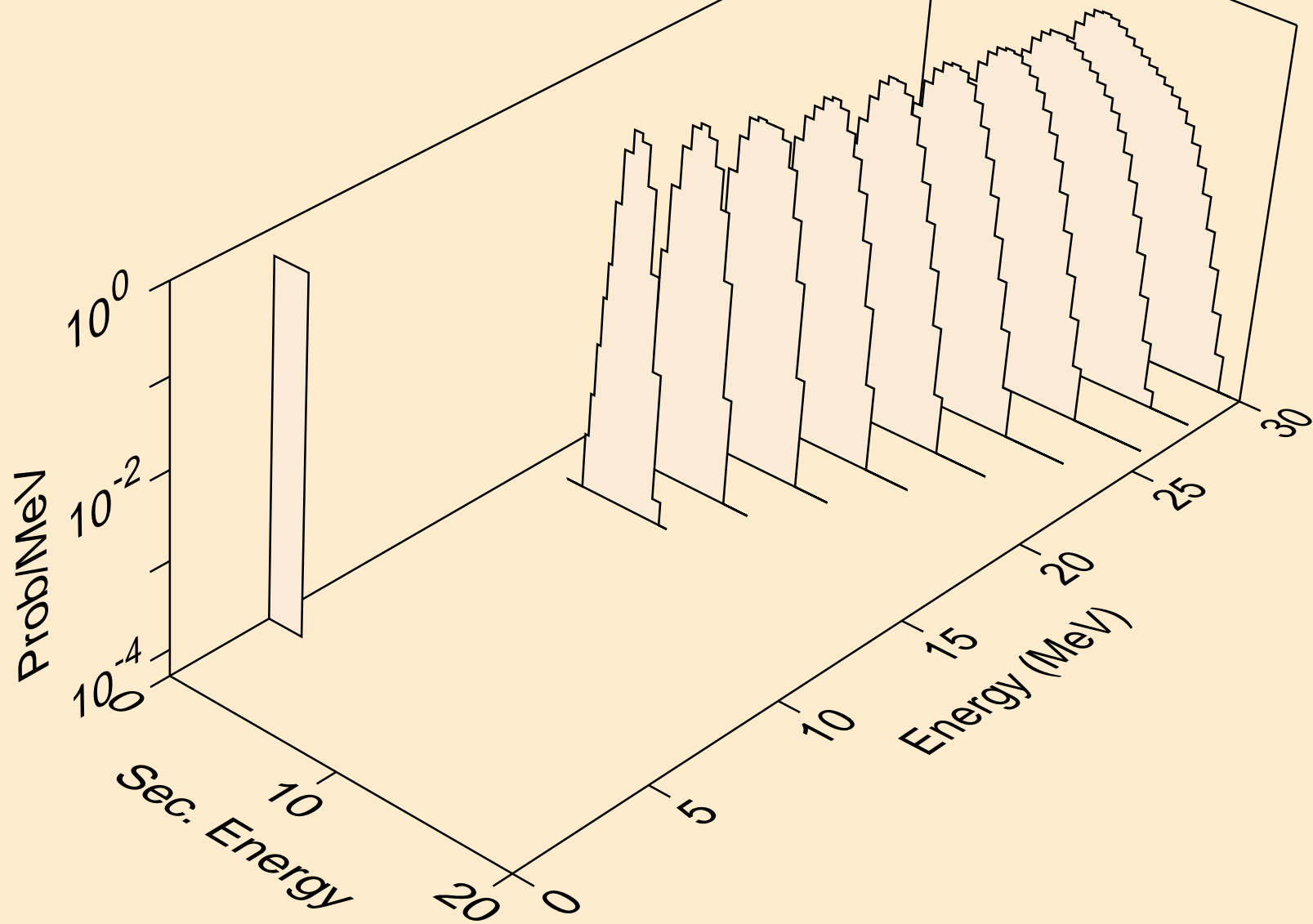
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)



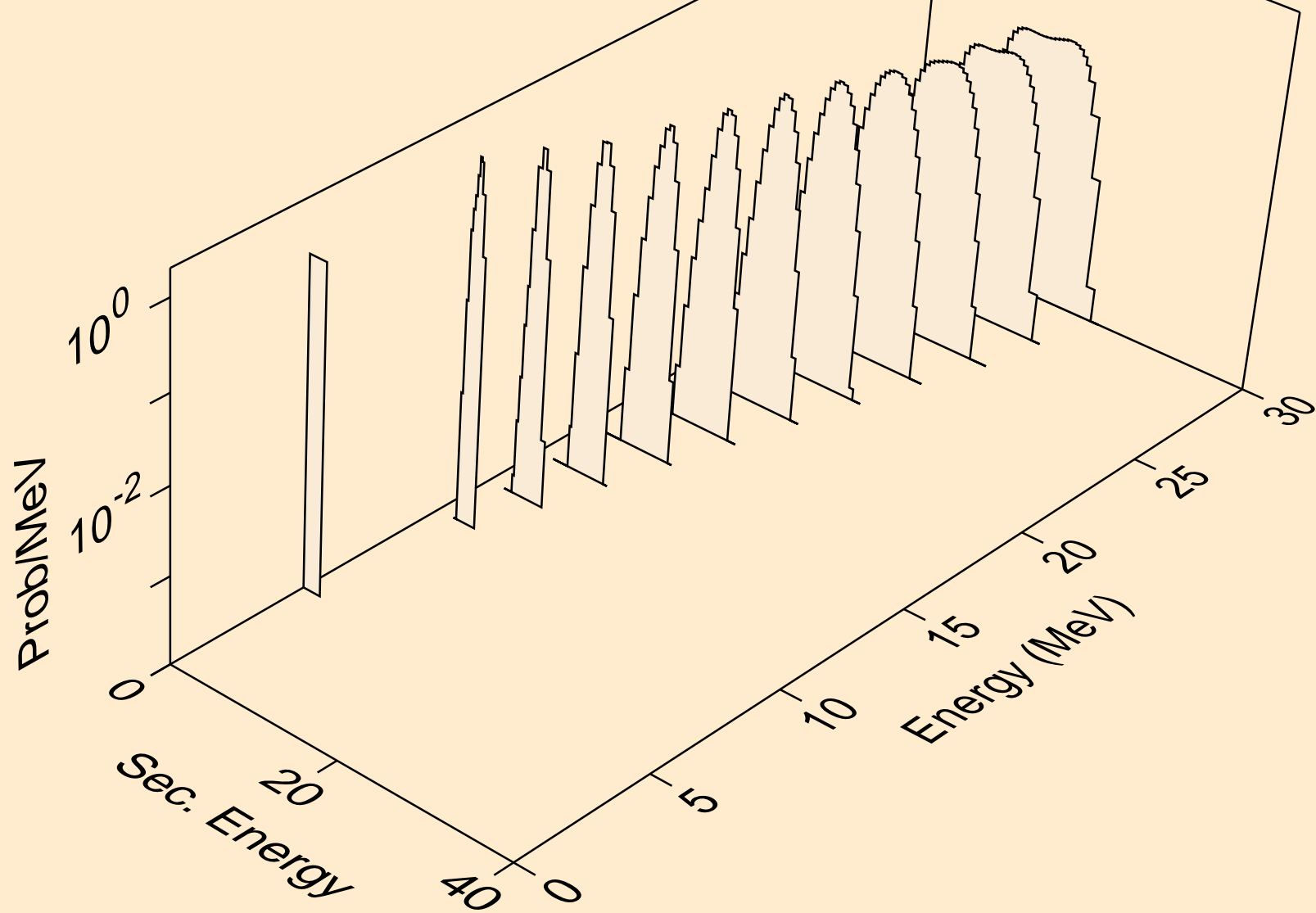
RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



RB083 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

