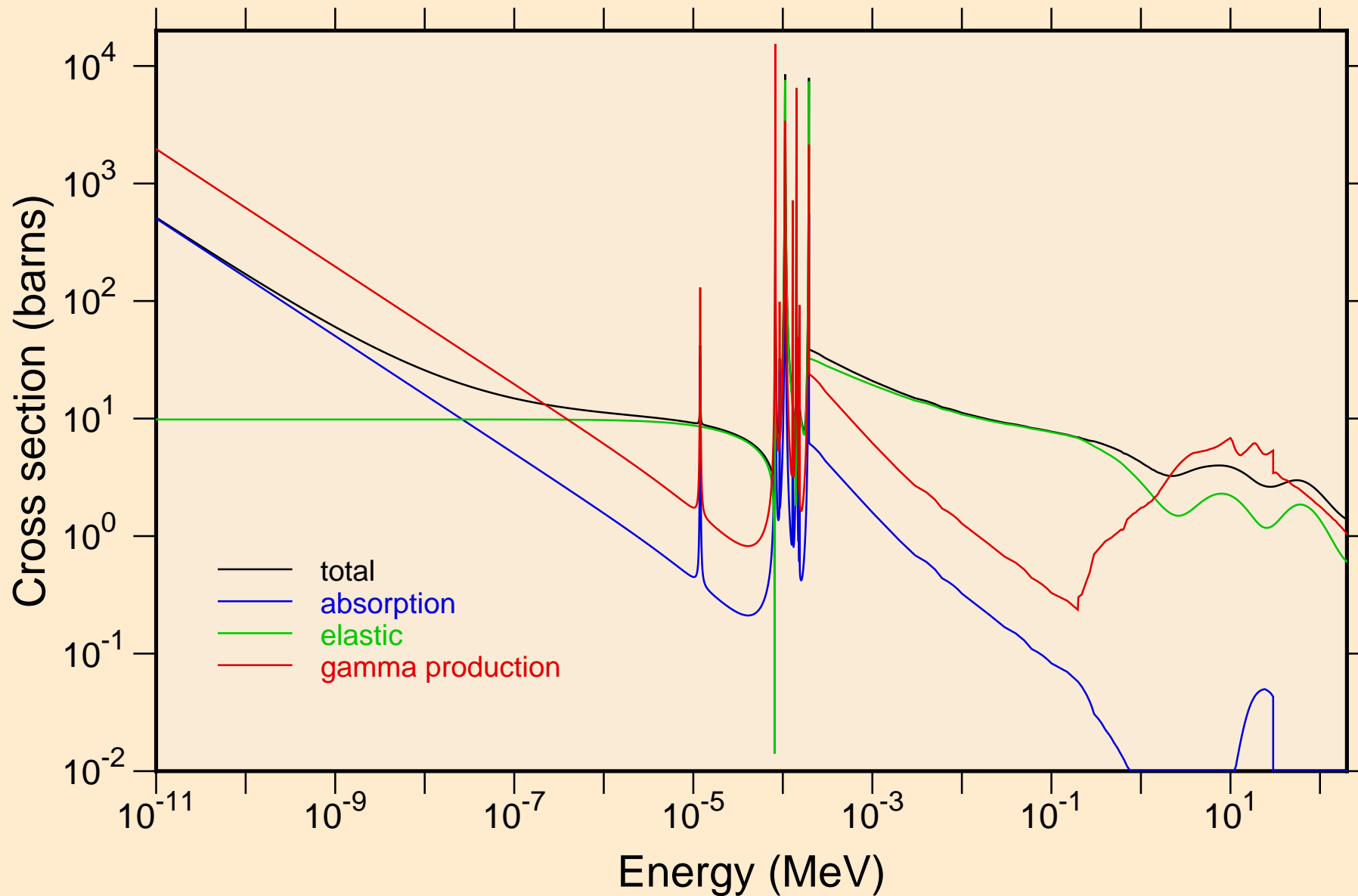
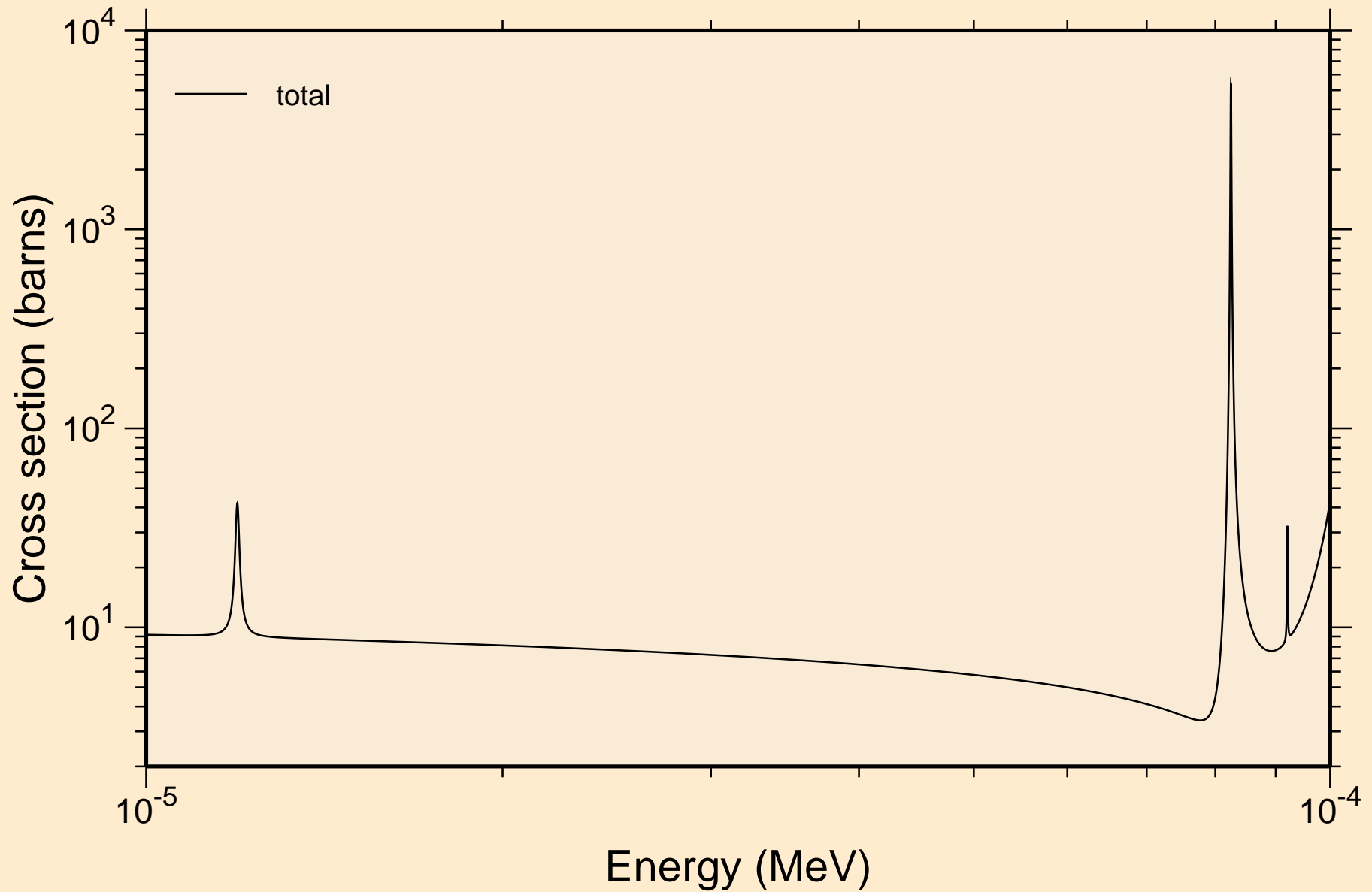


# AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

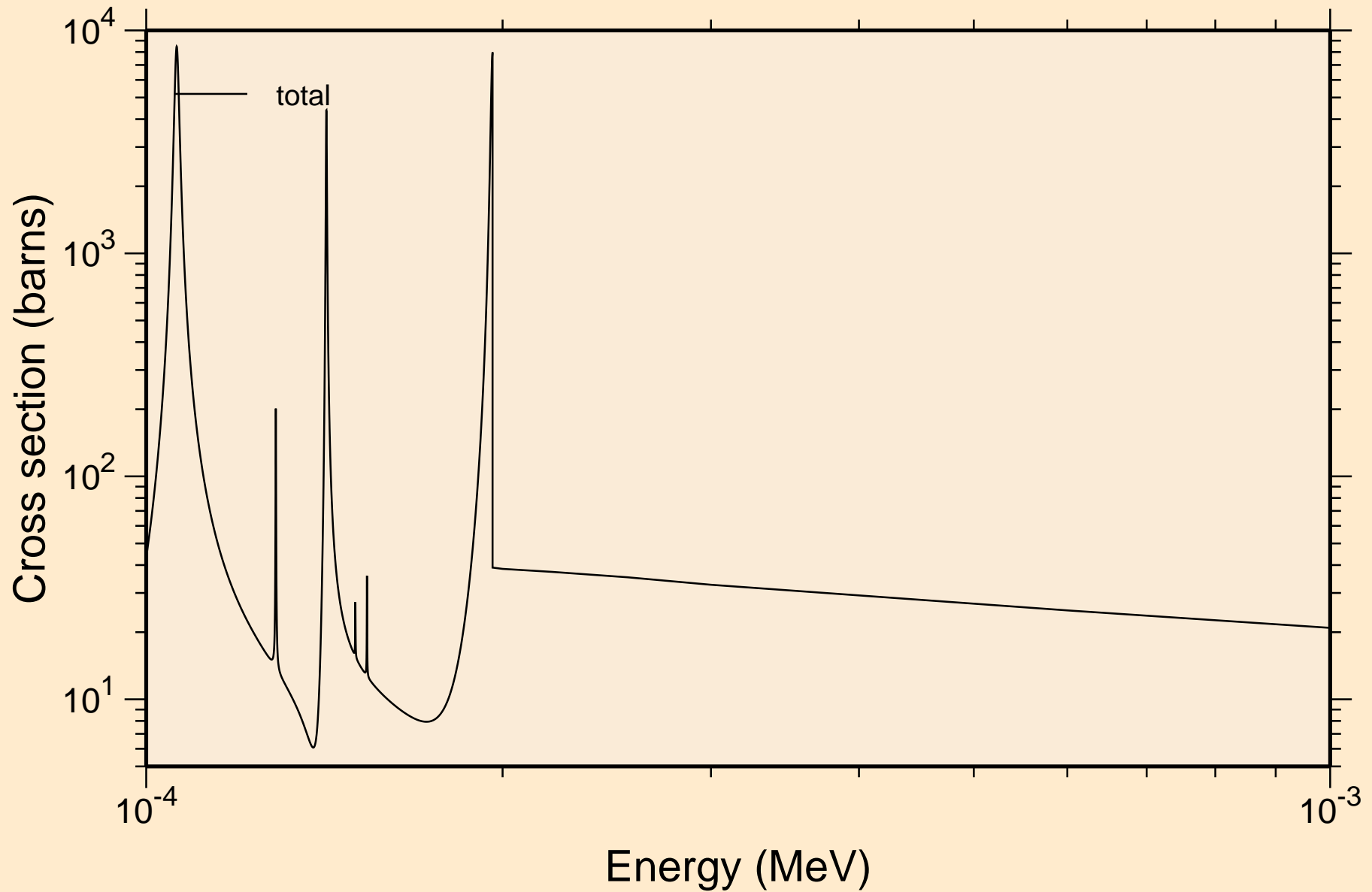
## Principal cross sections



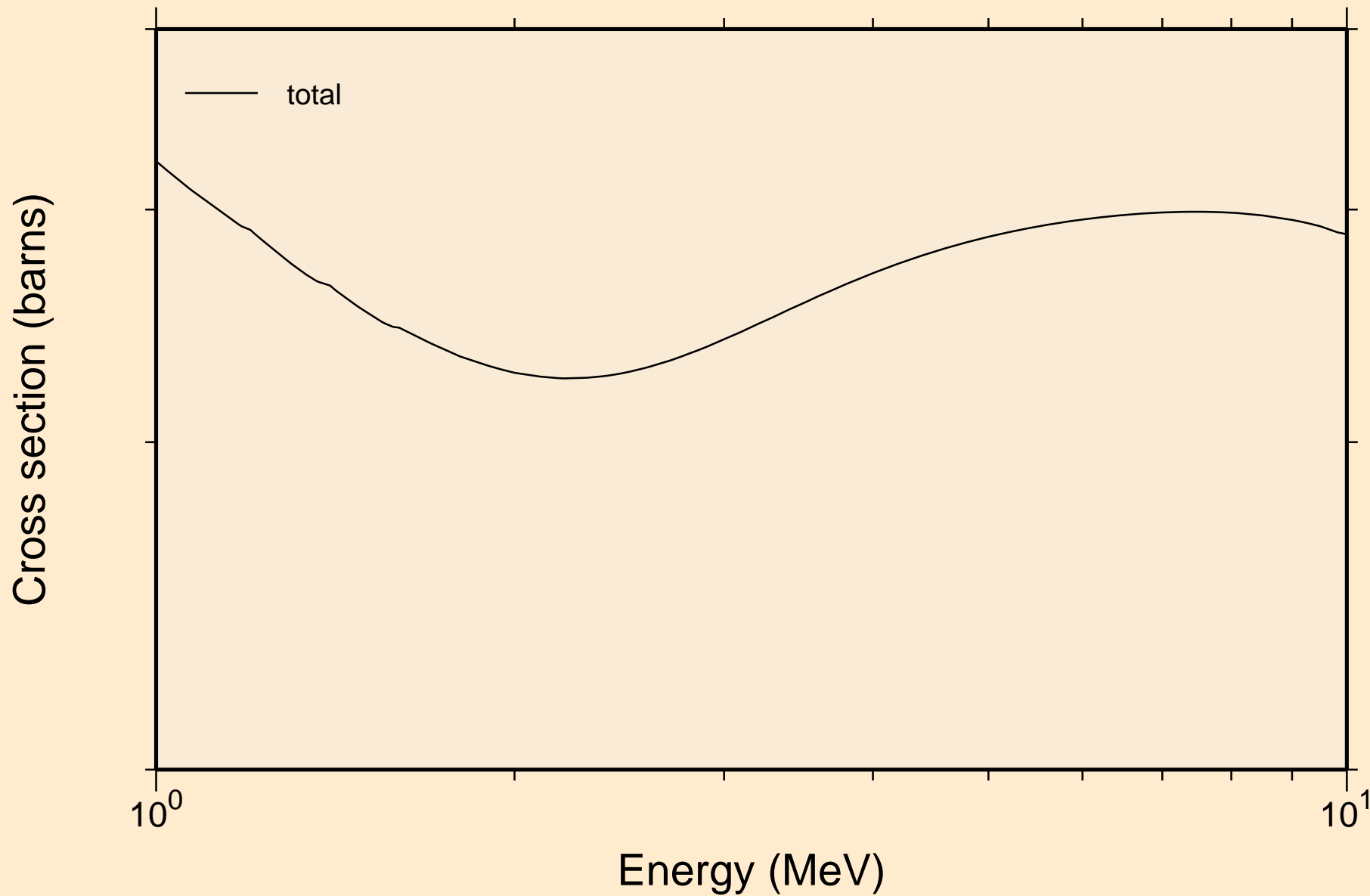
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



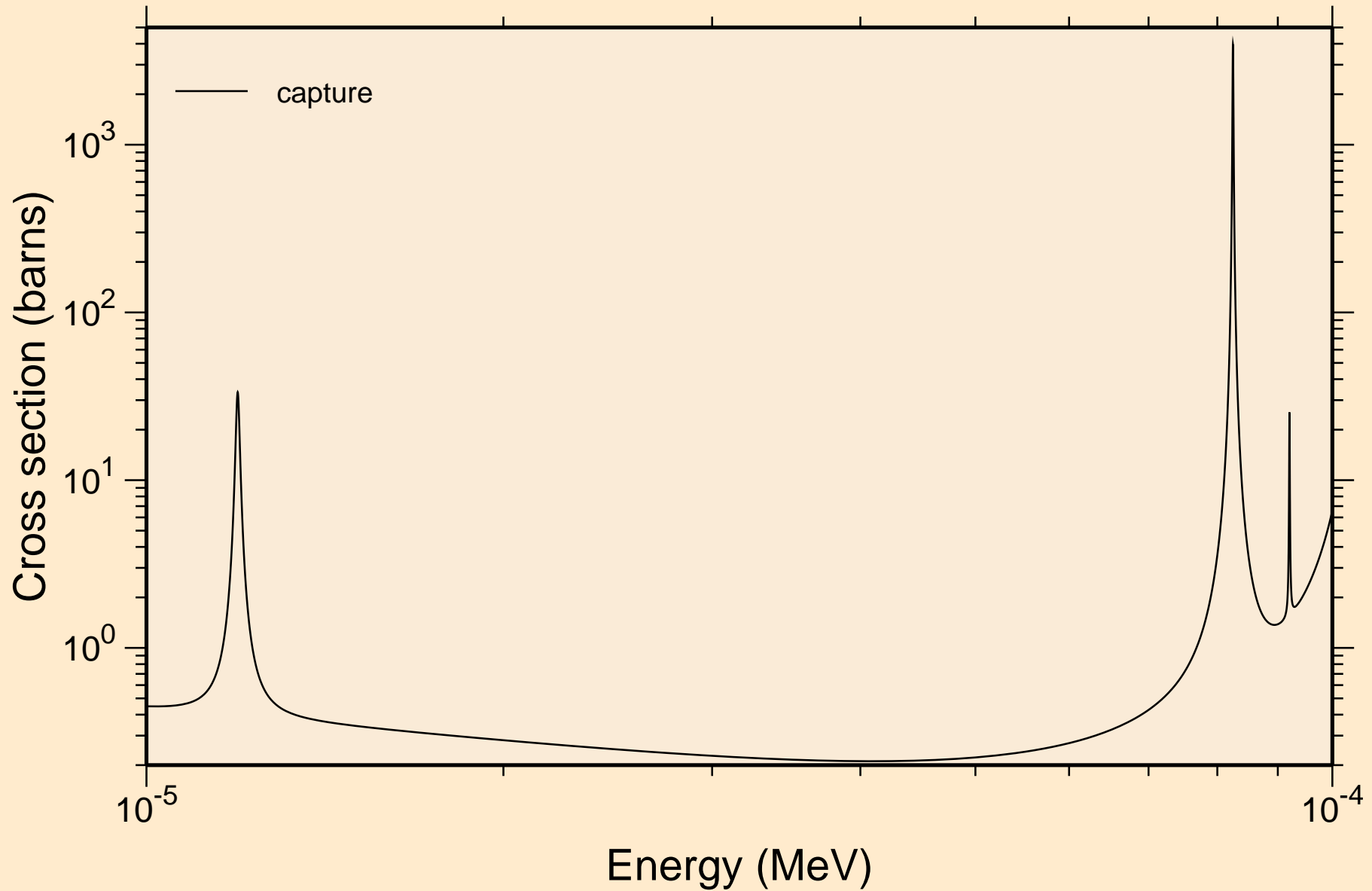
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



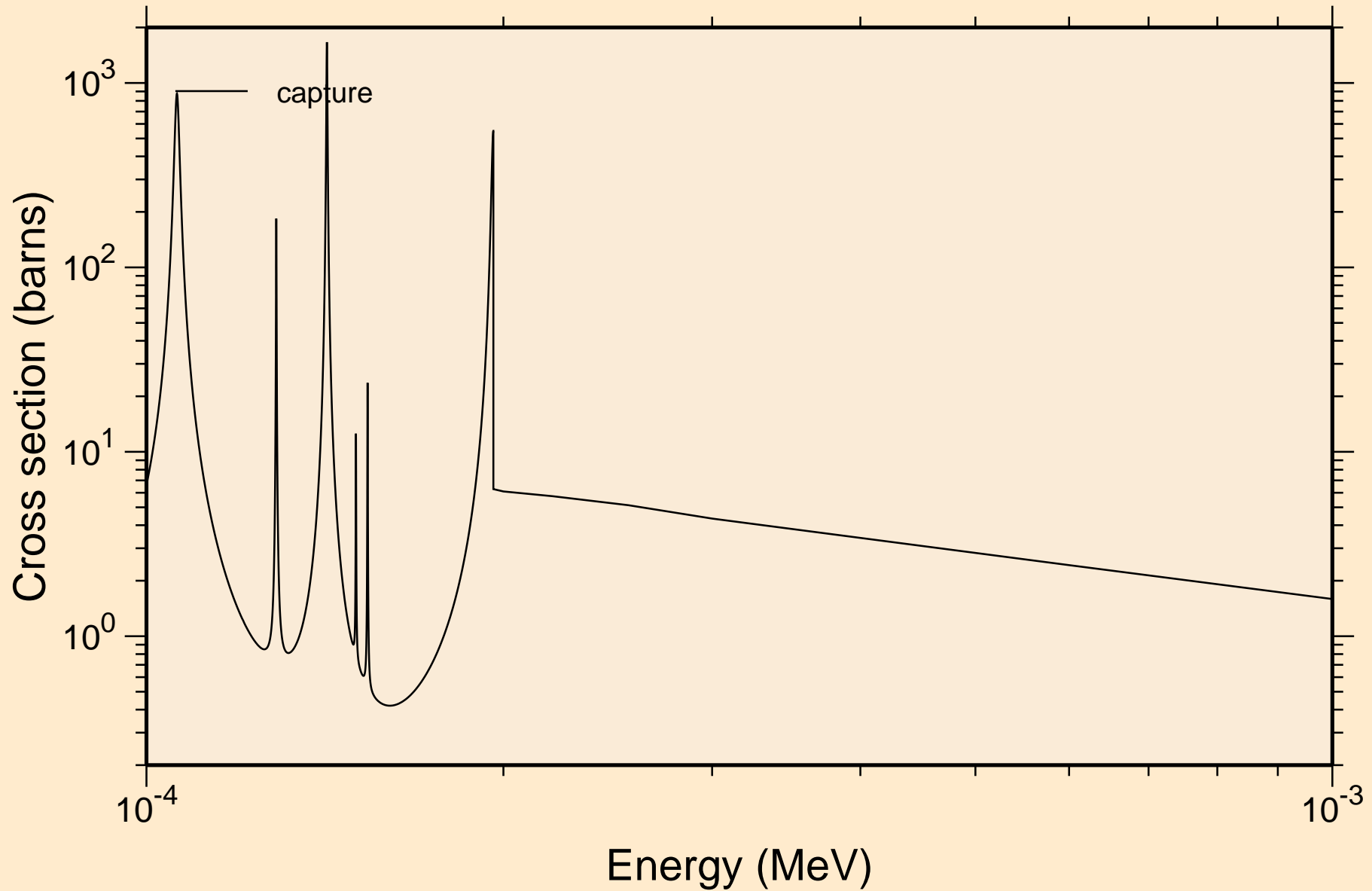
A5077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



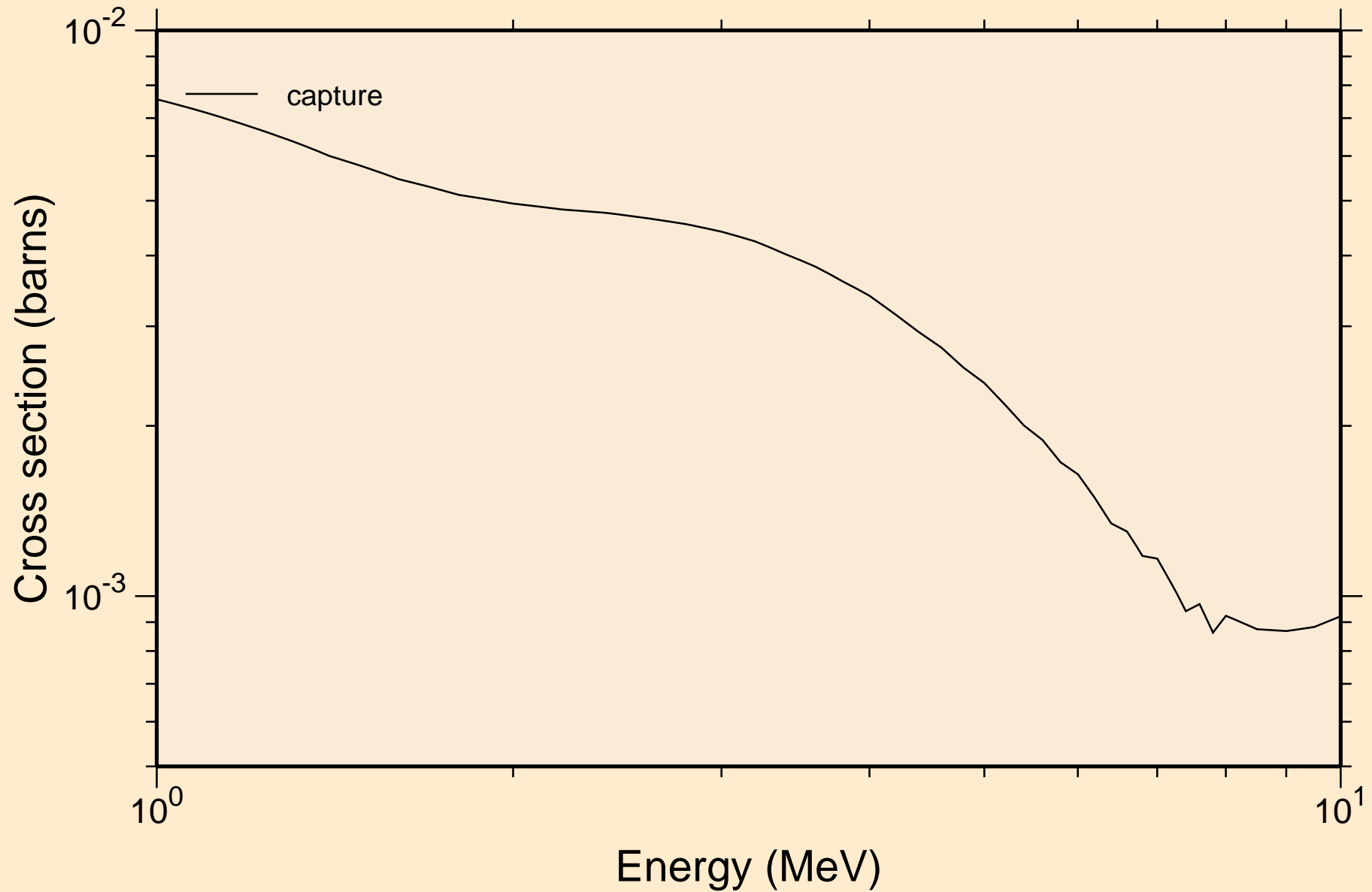
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



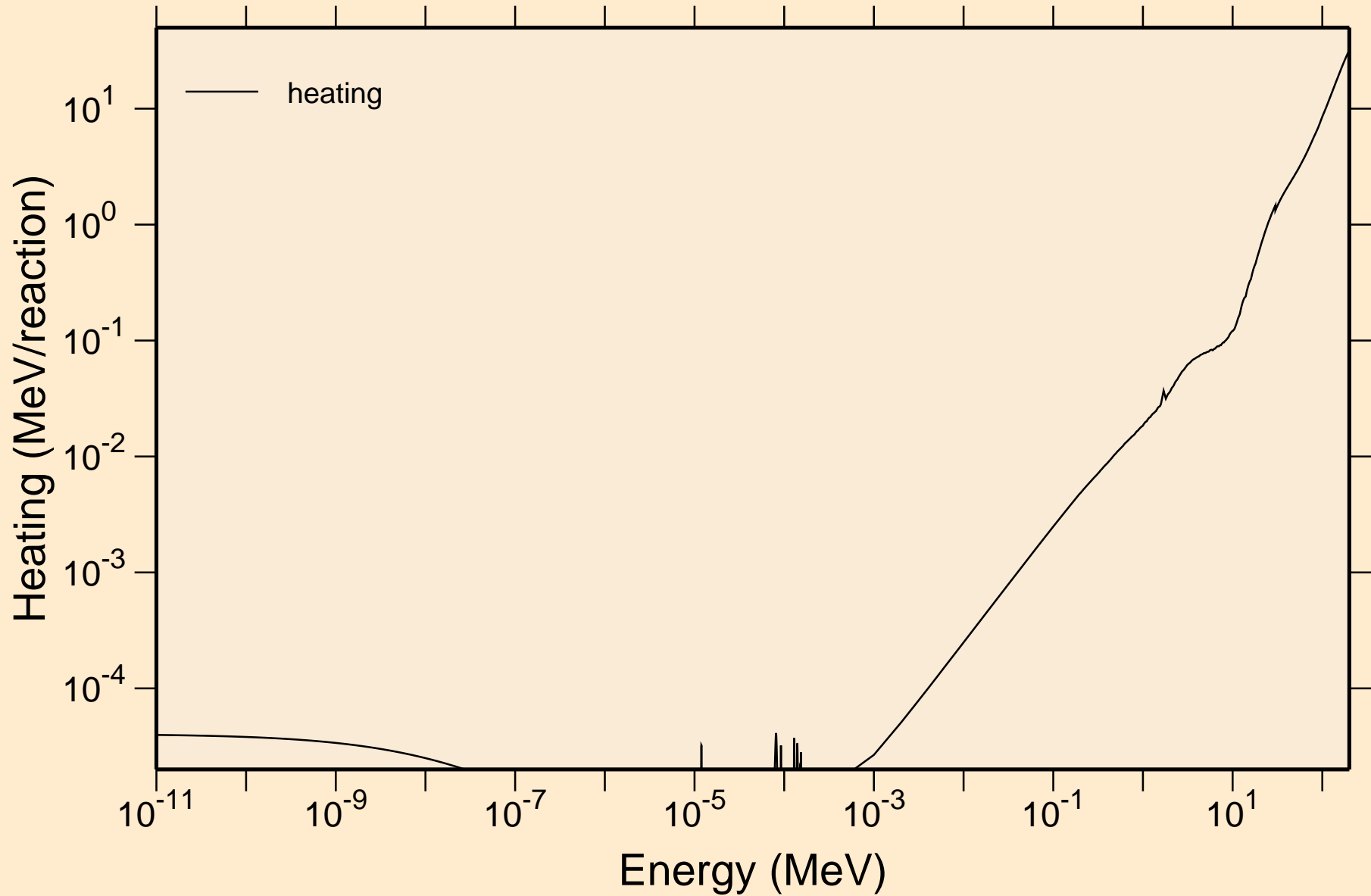
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

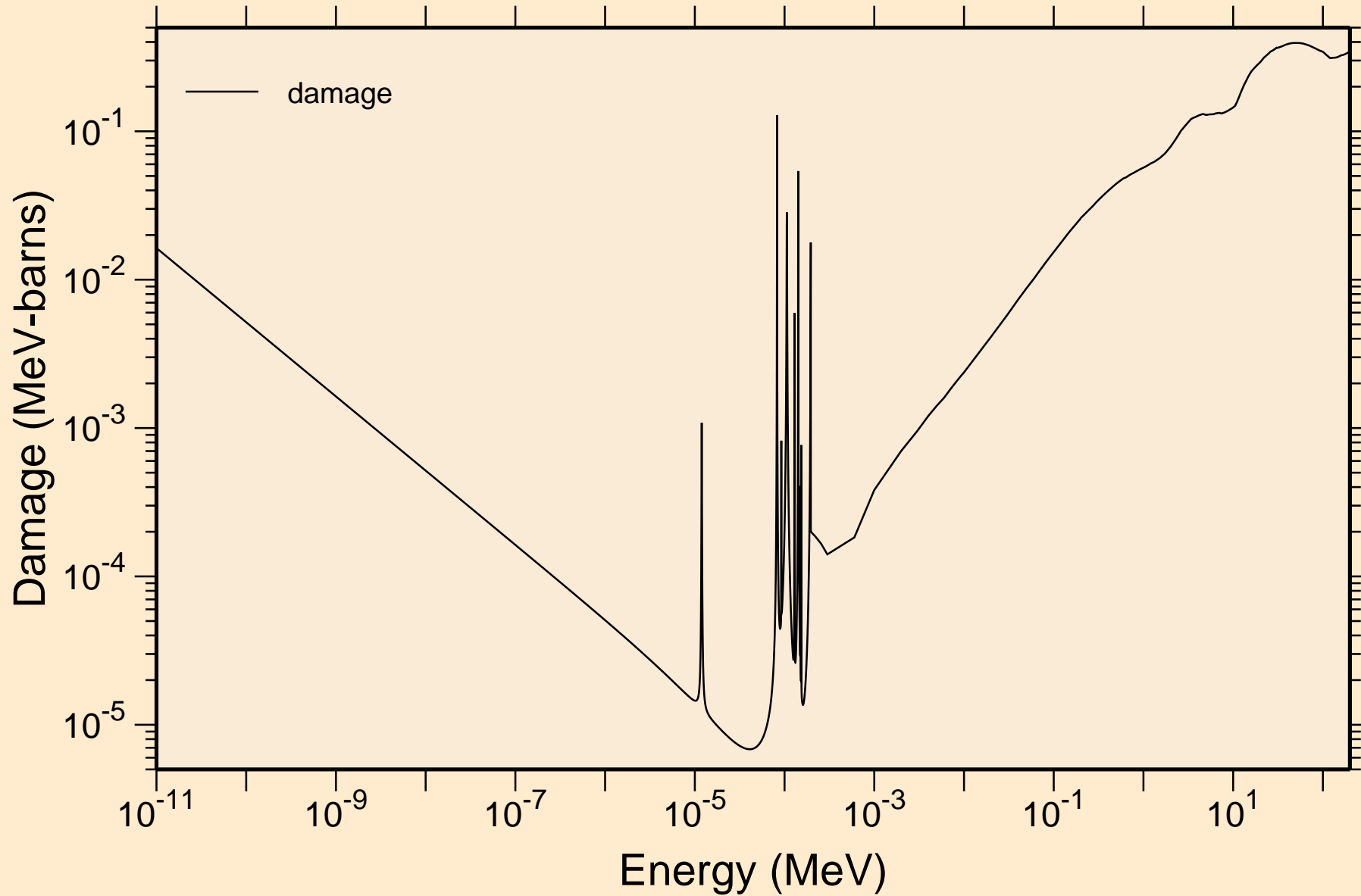


AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Heating

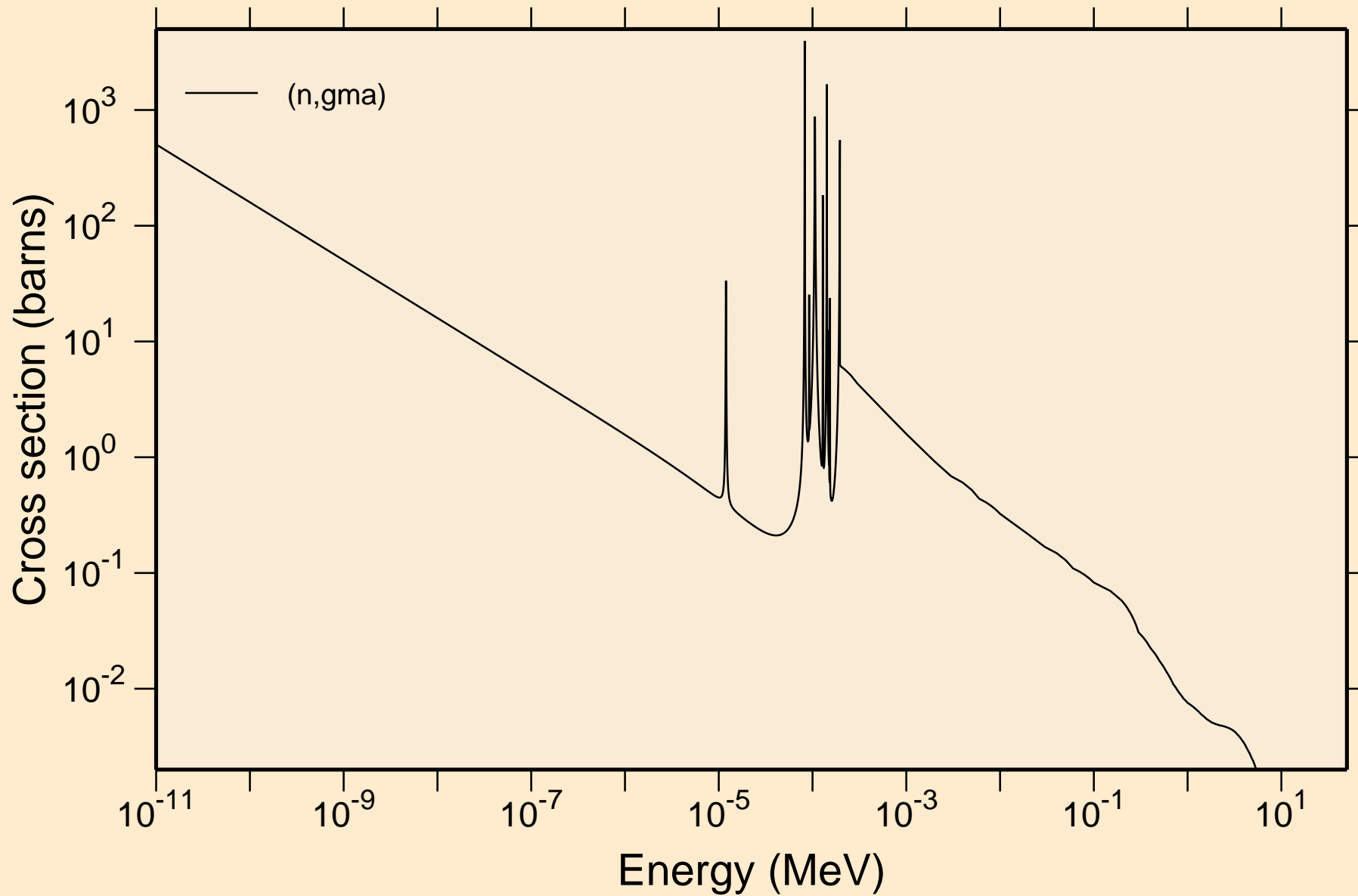




AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage

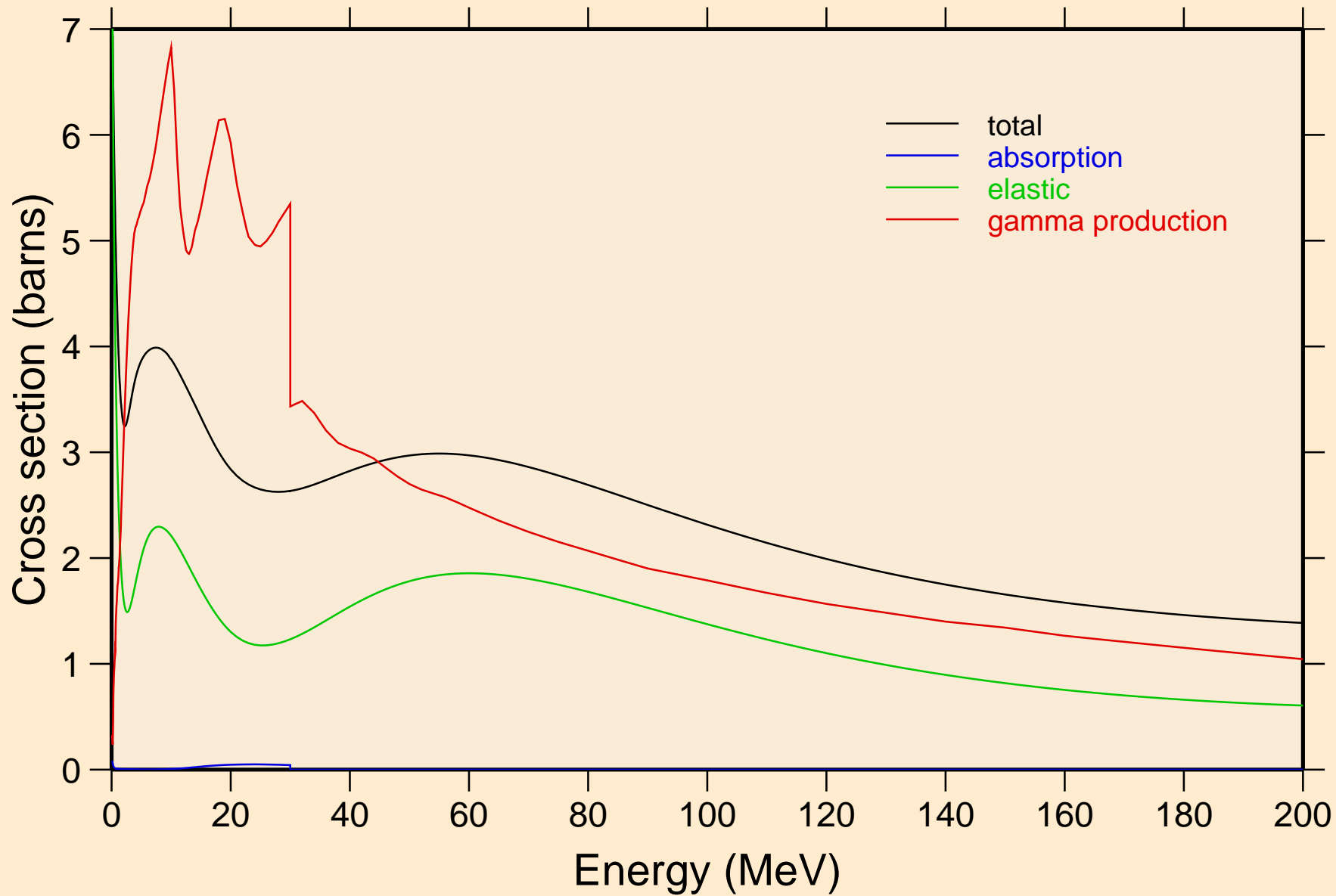


AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



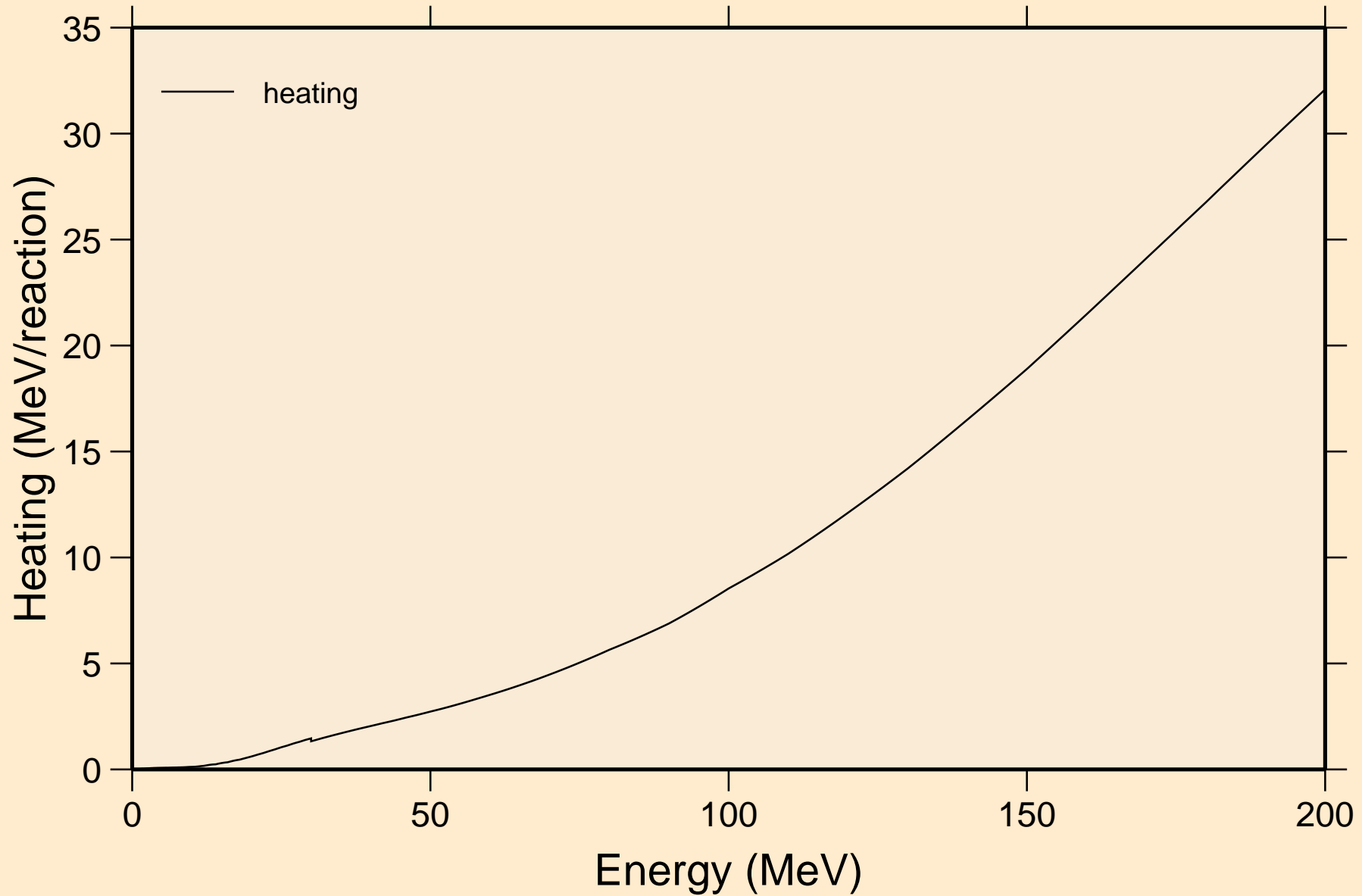
# AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



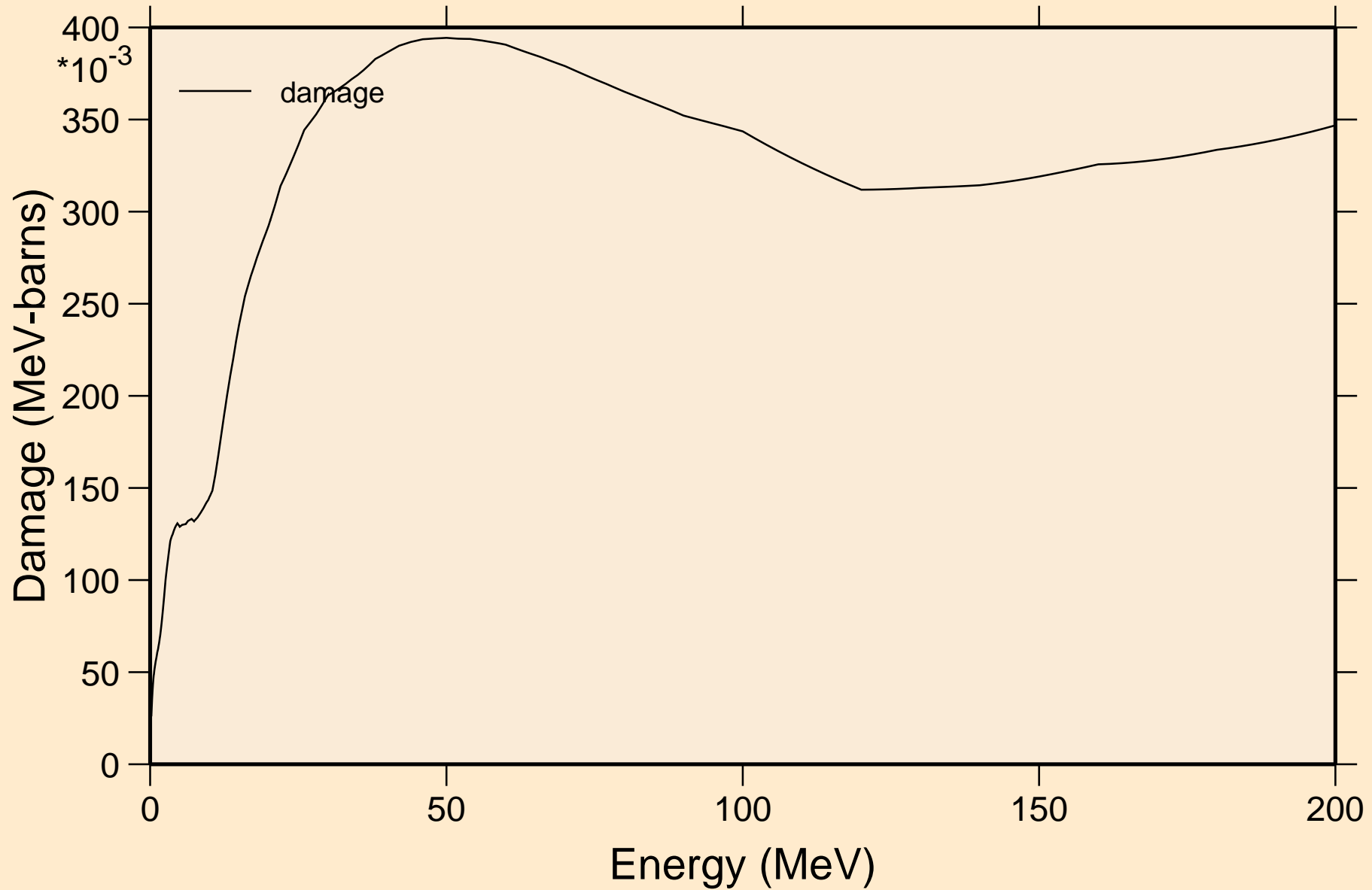
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## Heating

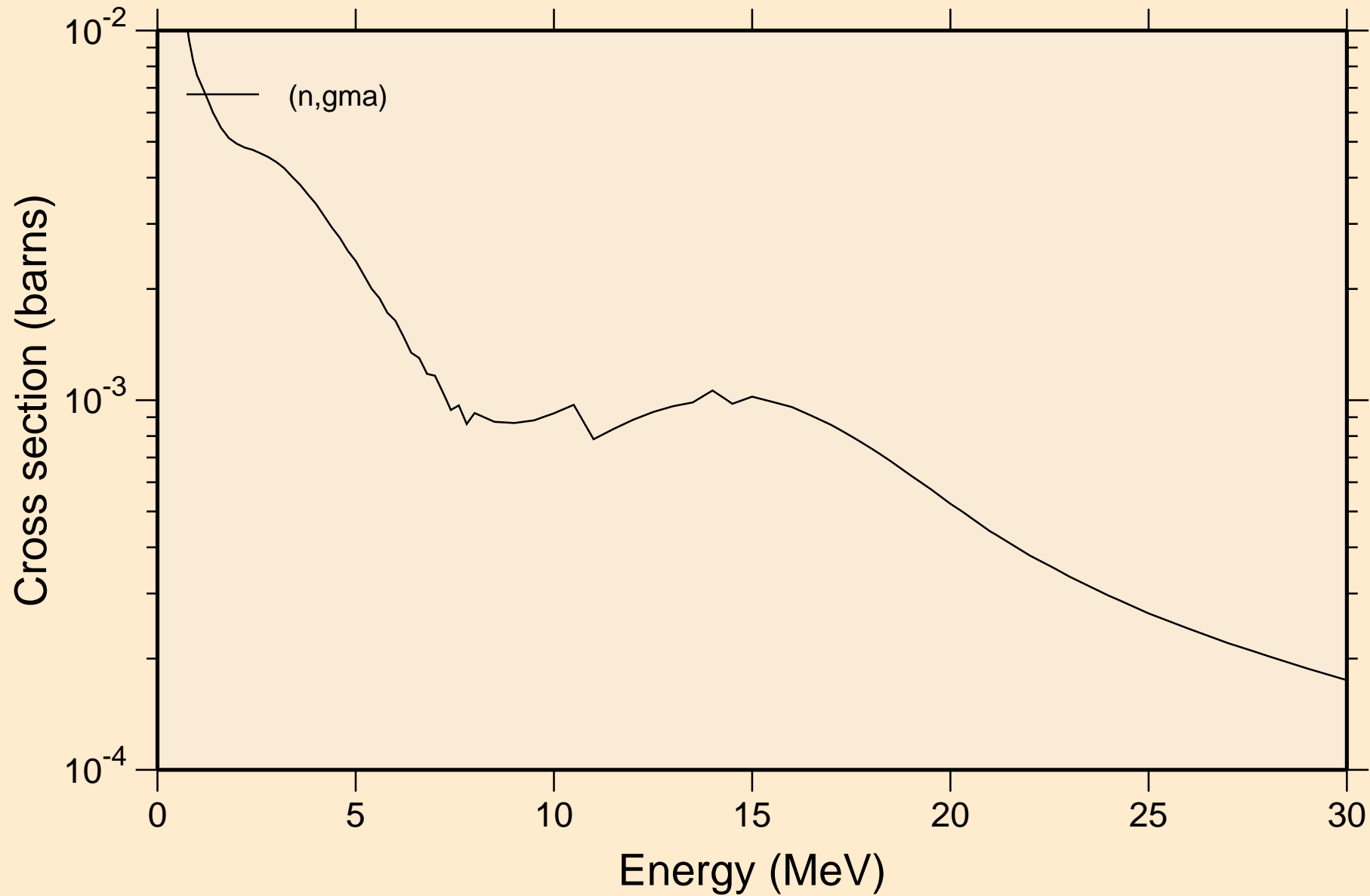


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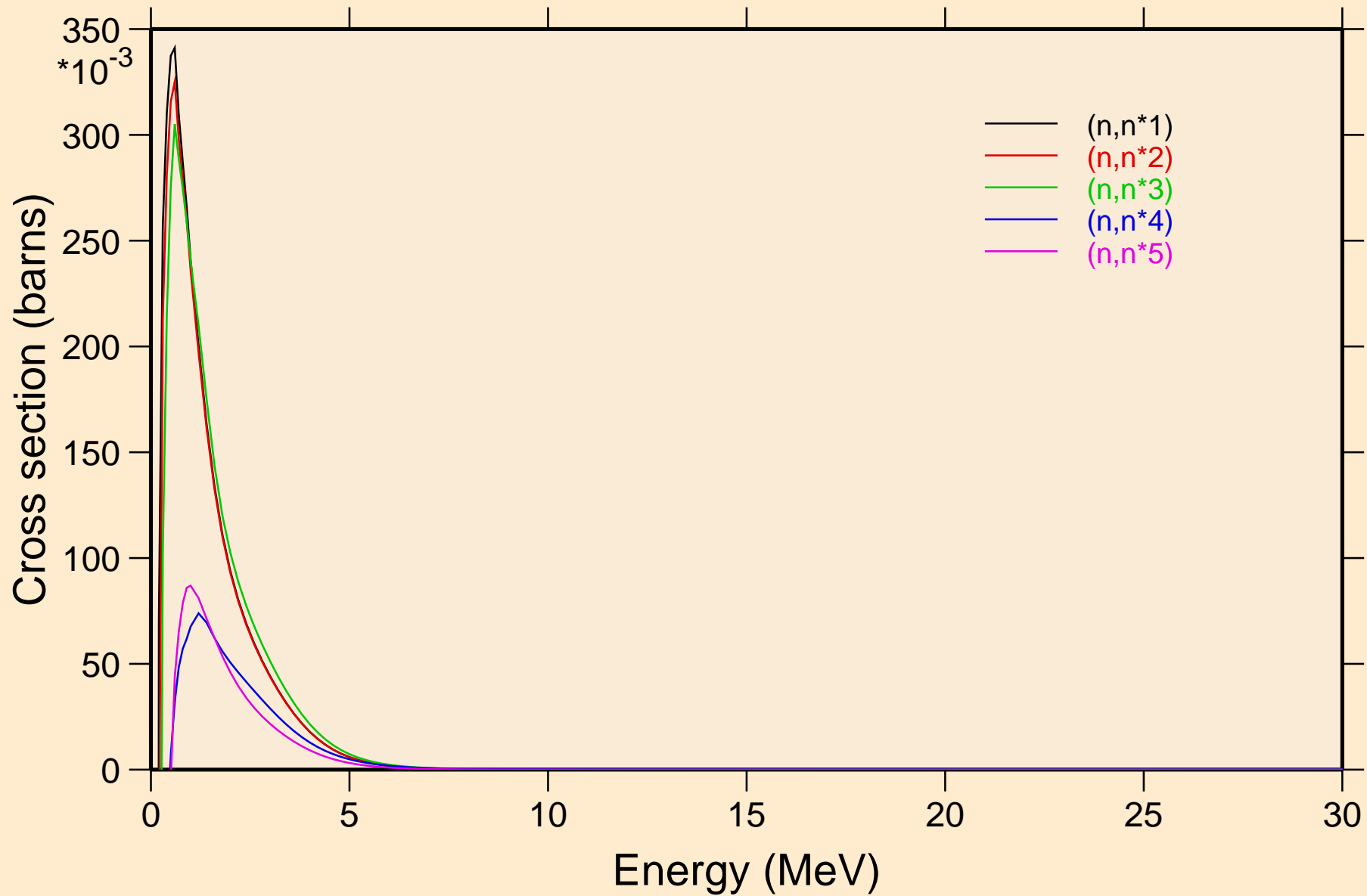
## Damage



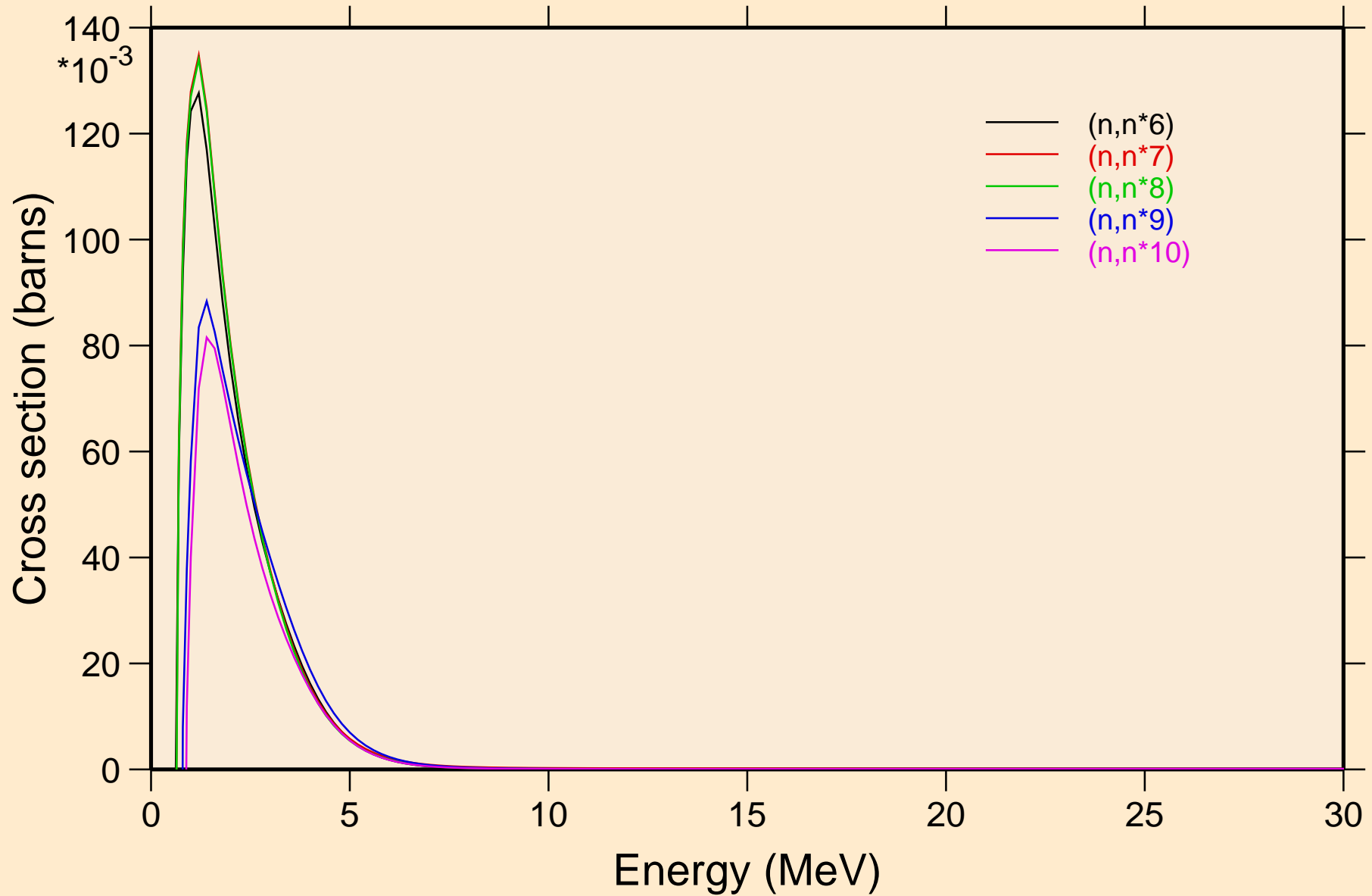
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

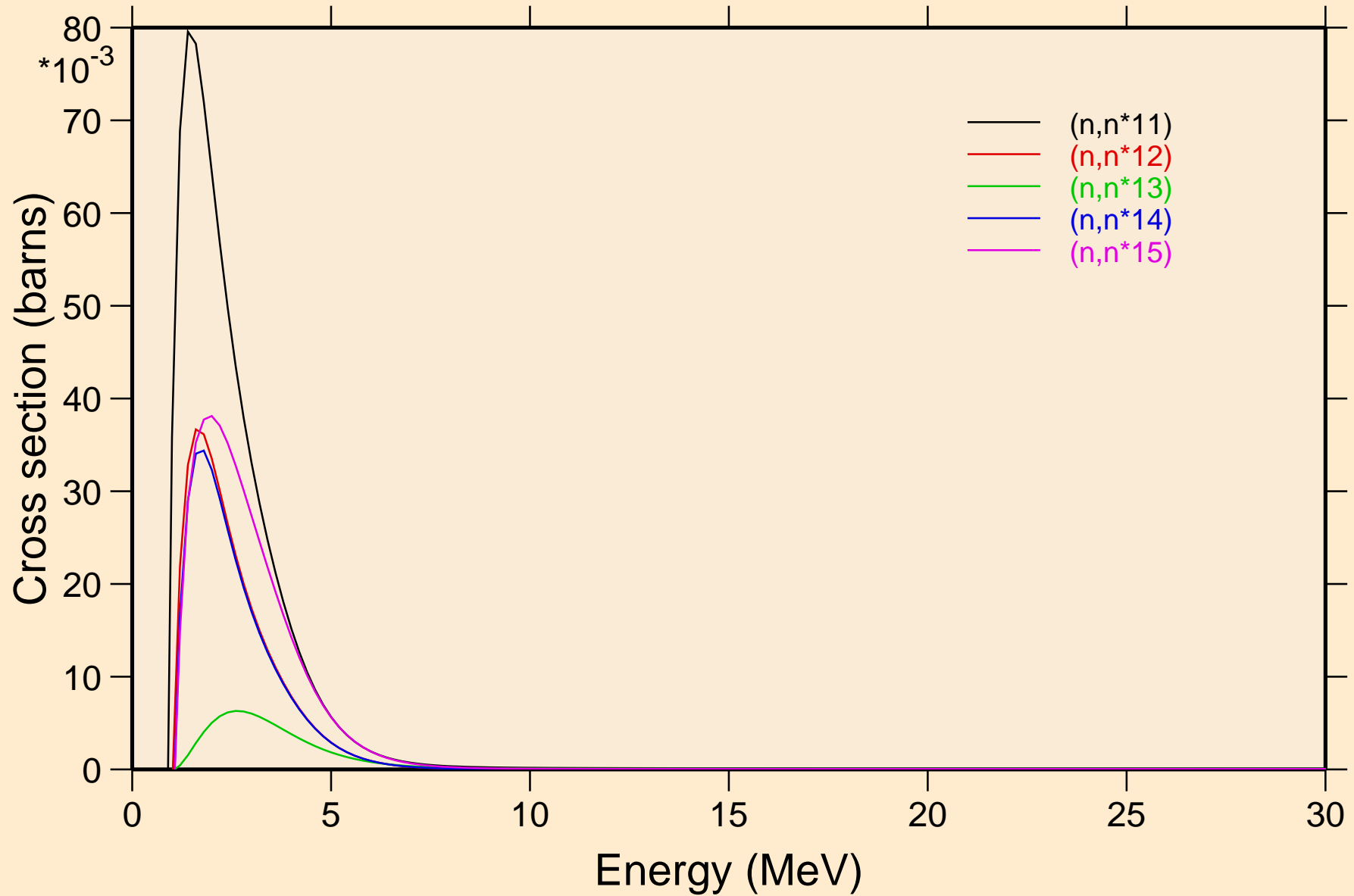


AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

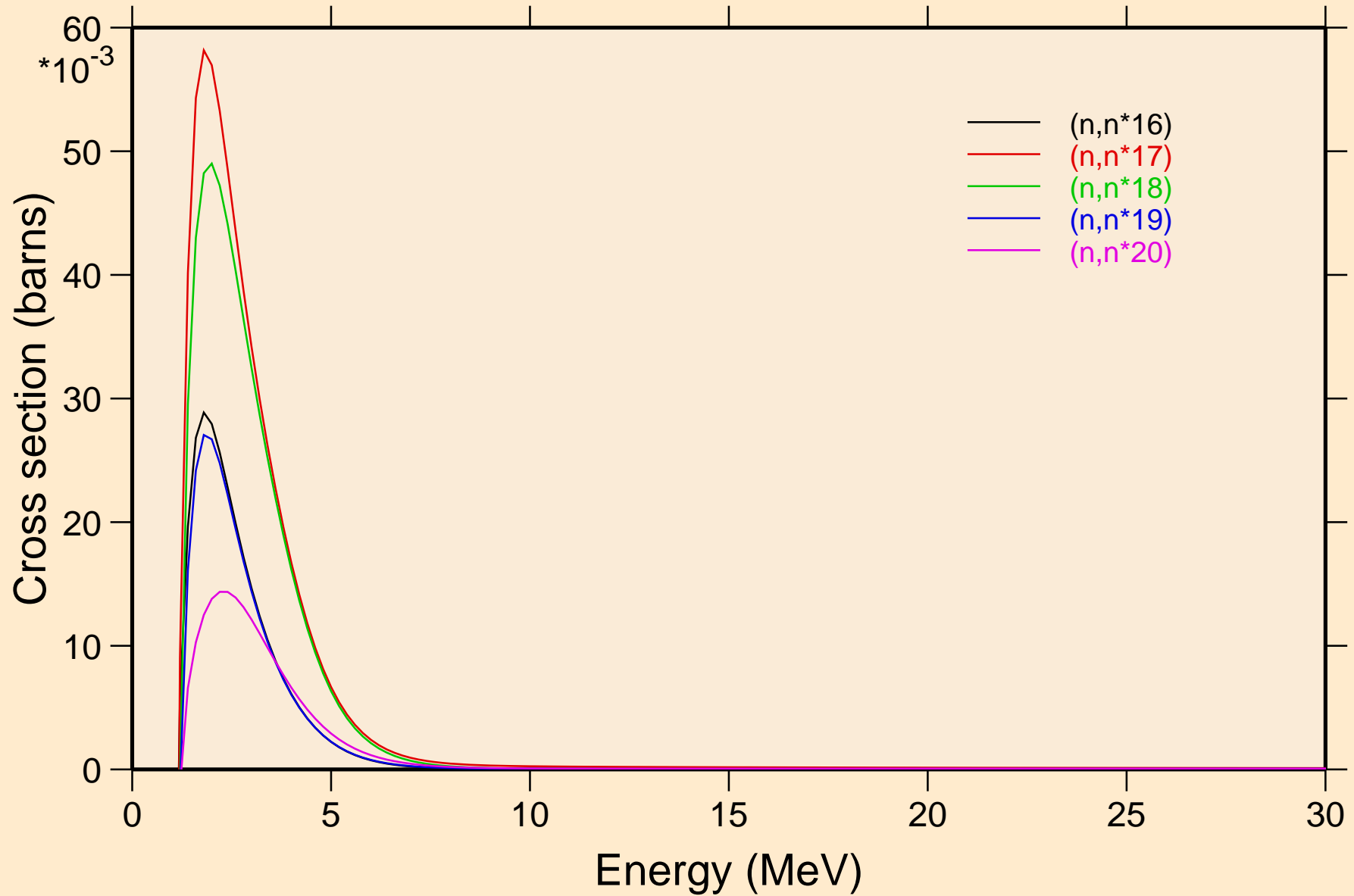




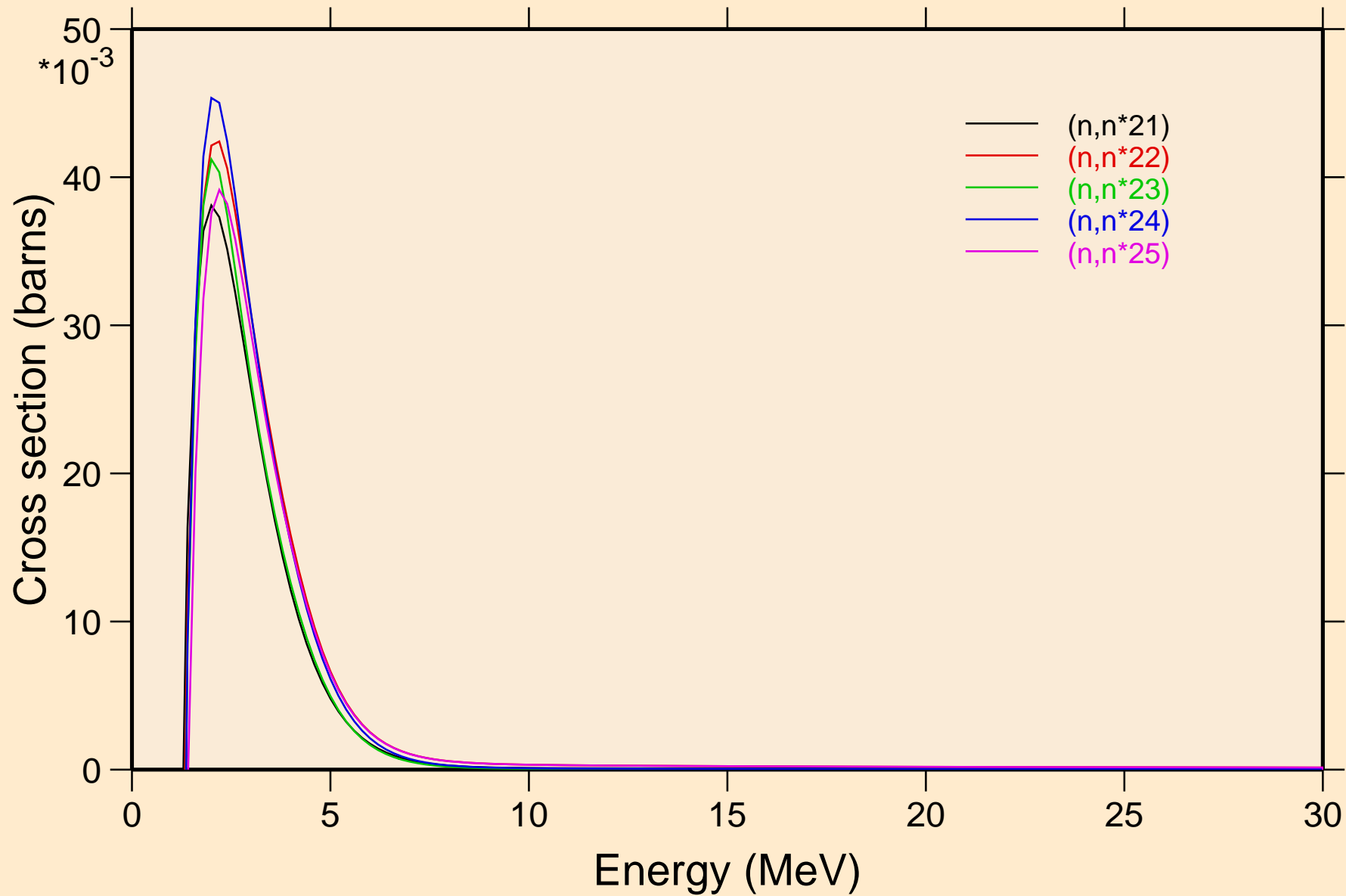
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



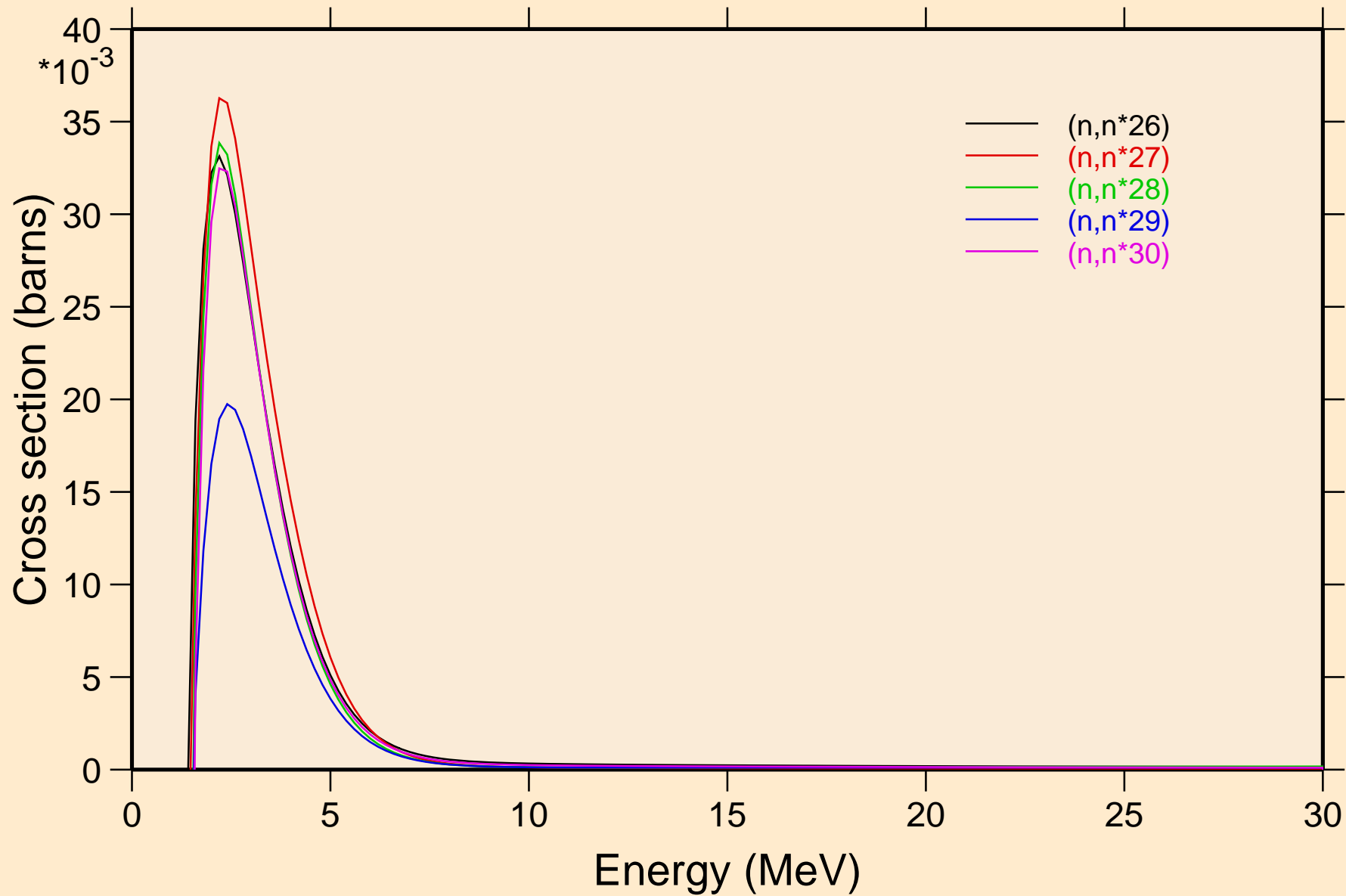
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Inelastic levels



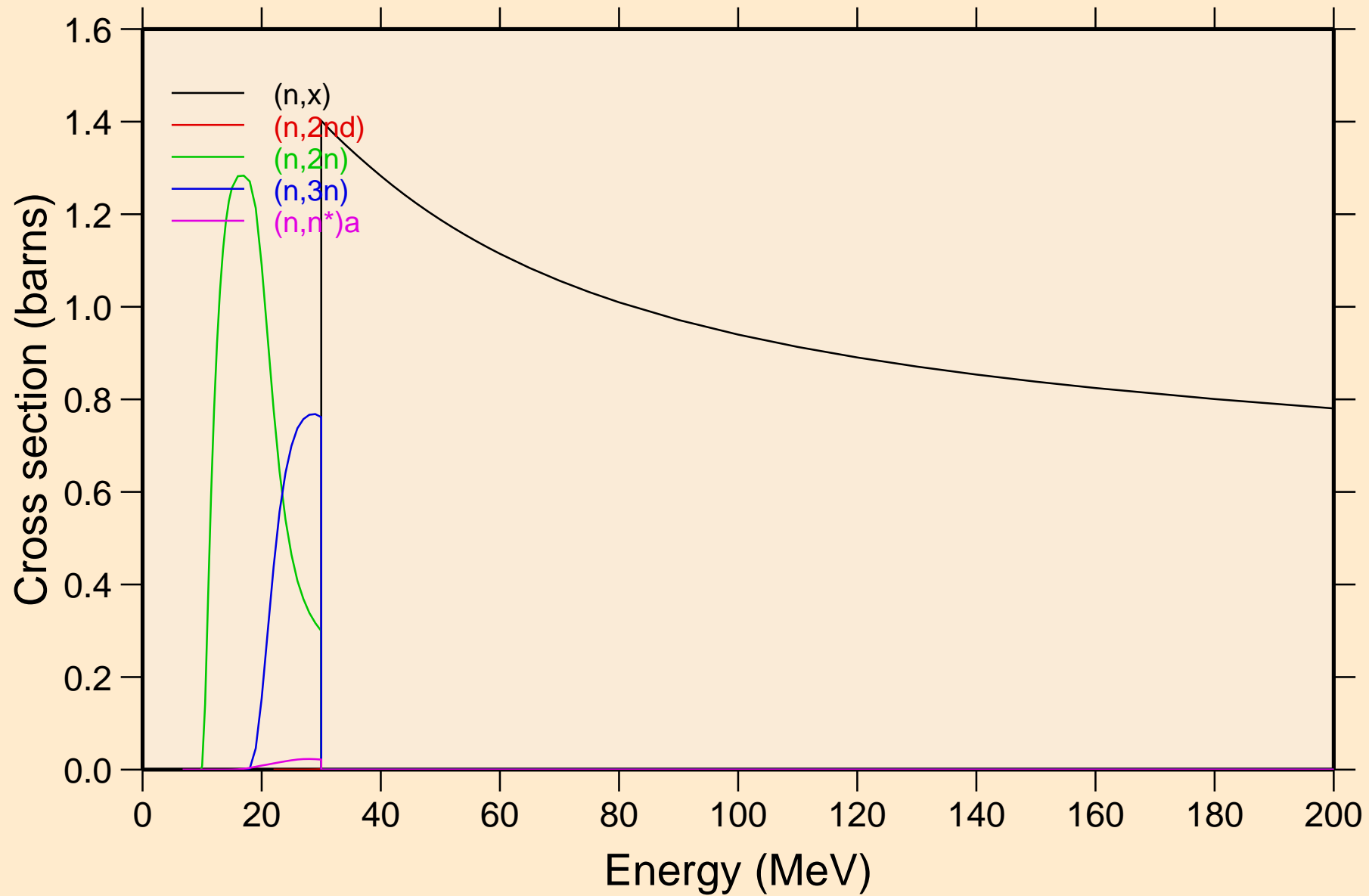
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

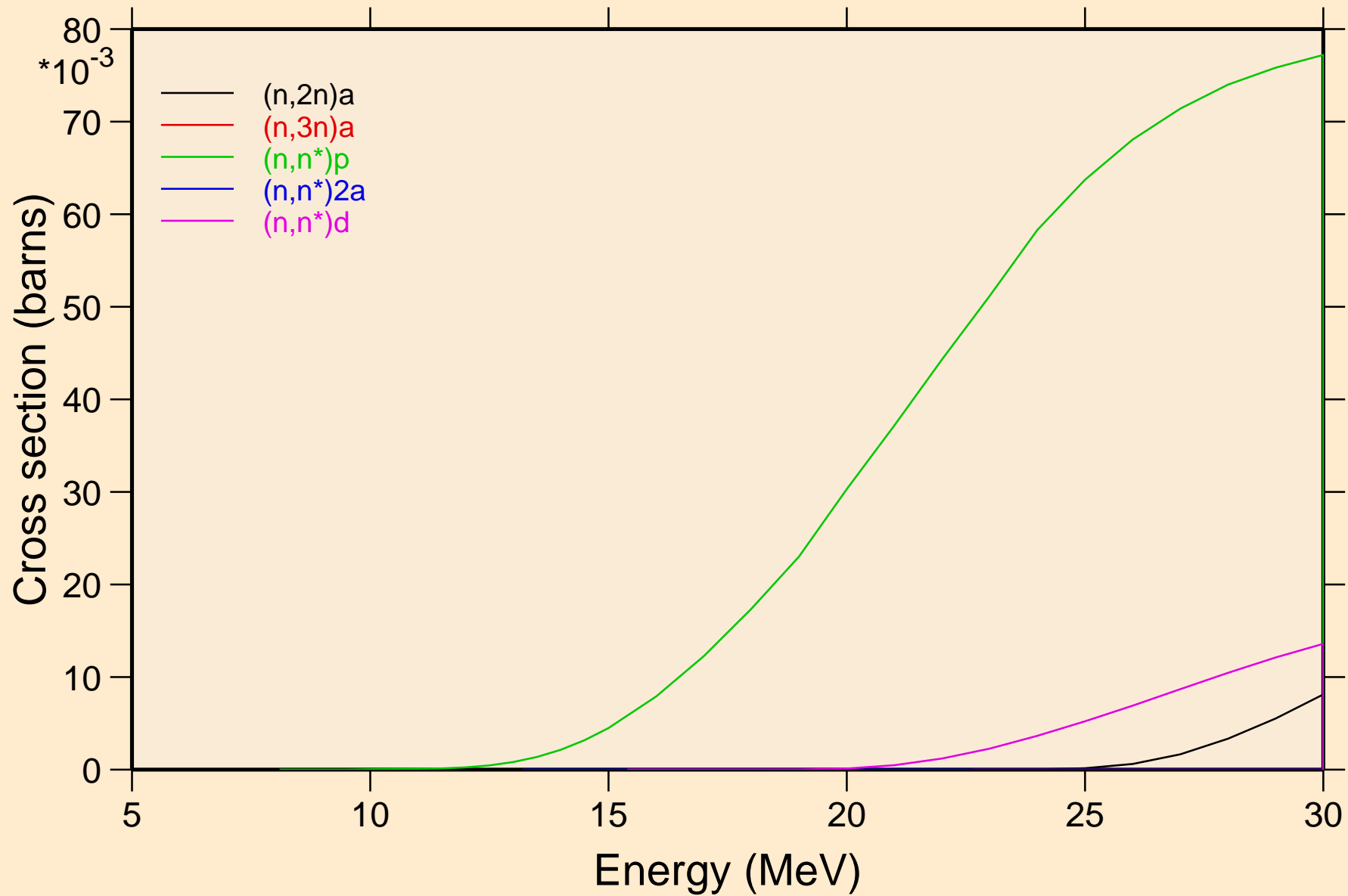


AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



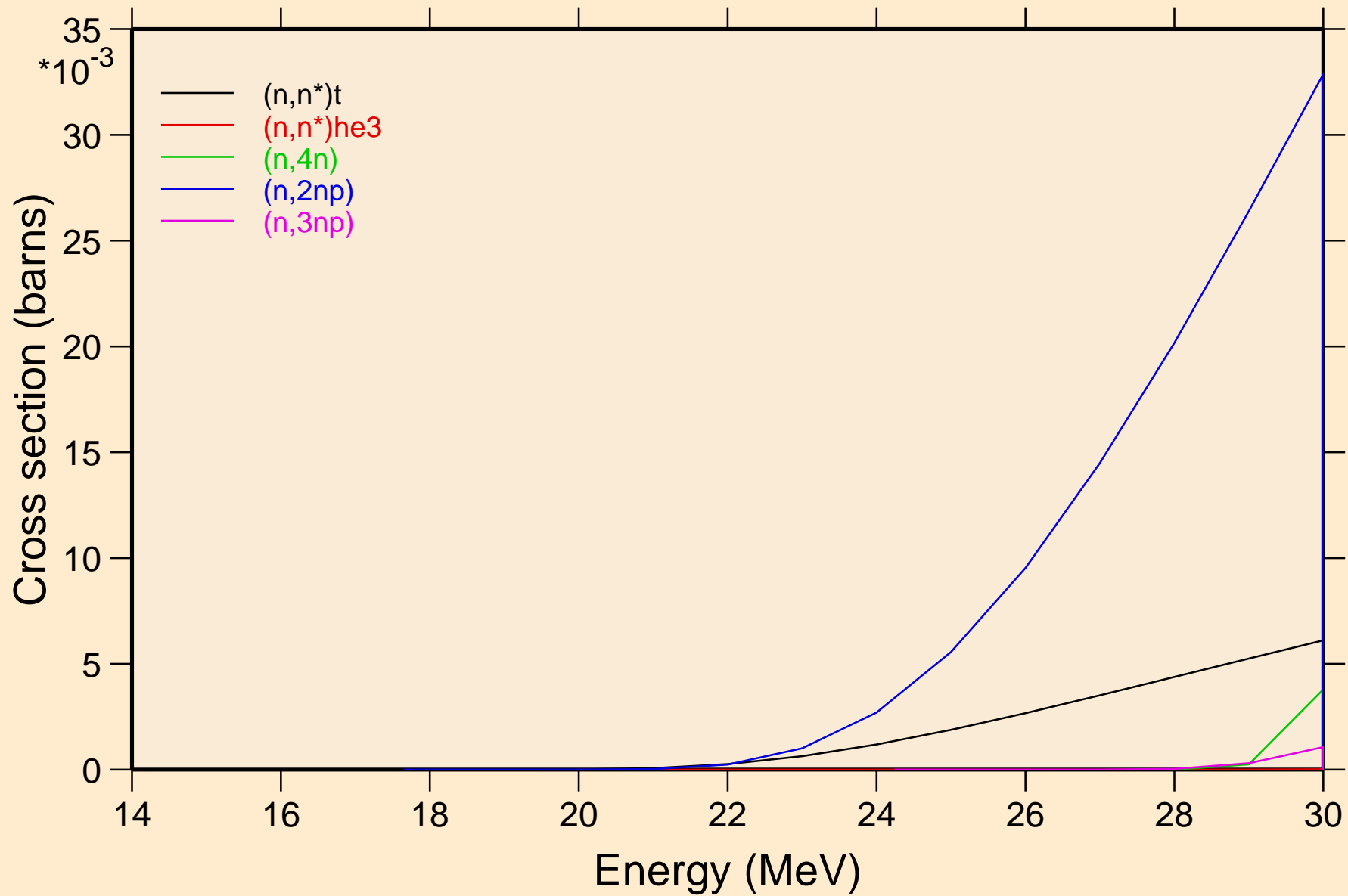
# AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

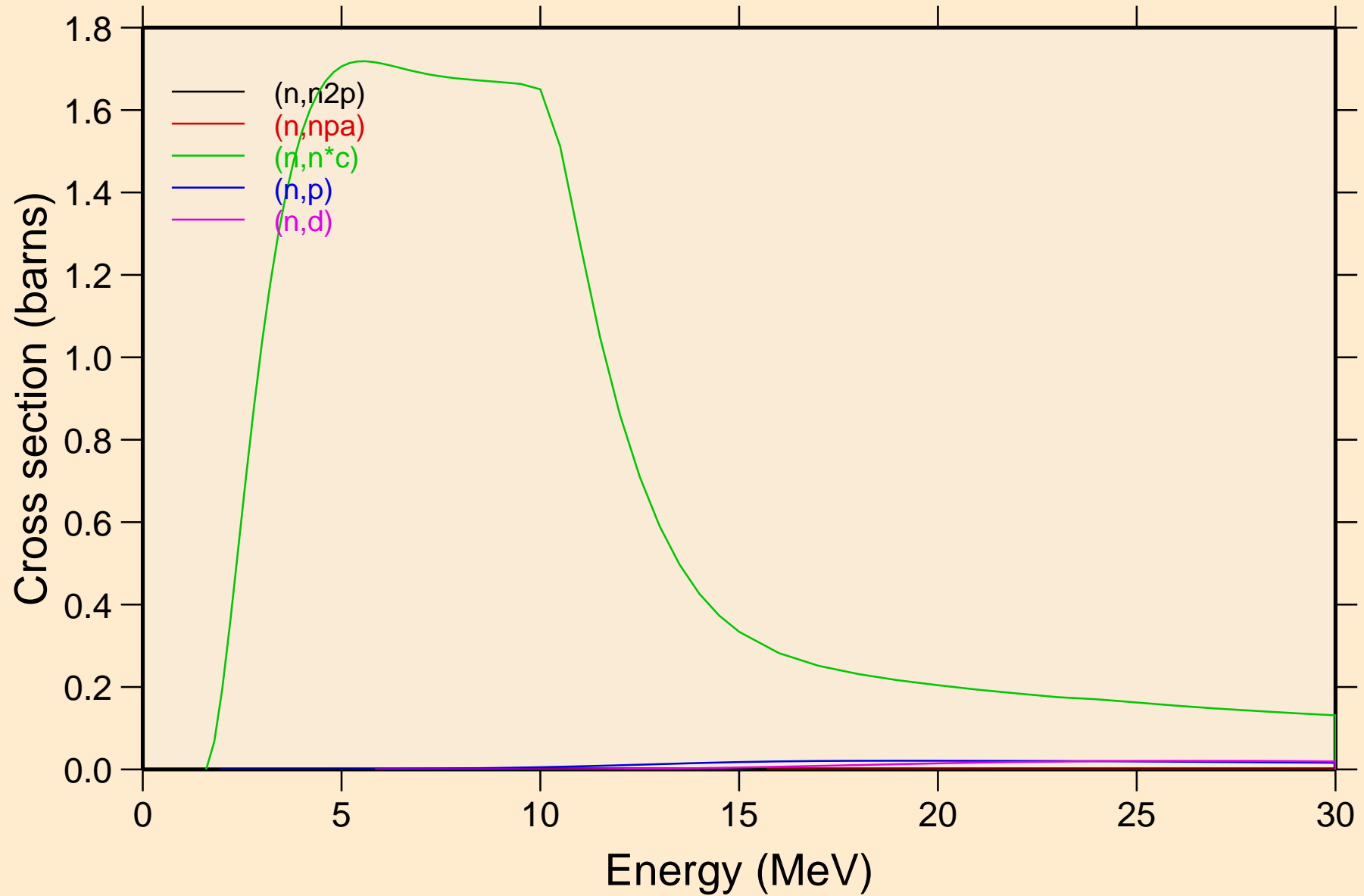


# AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

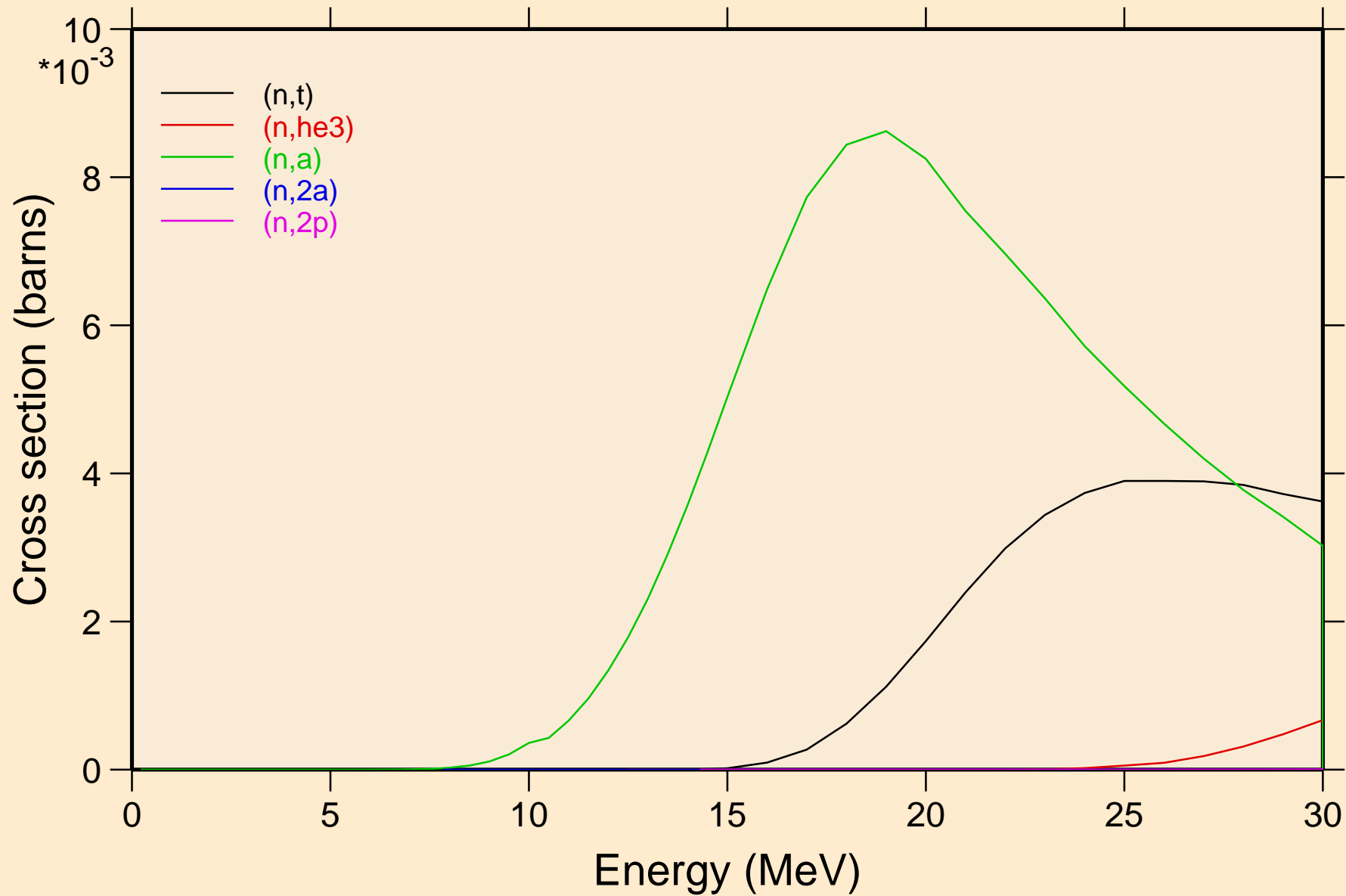


AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



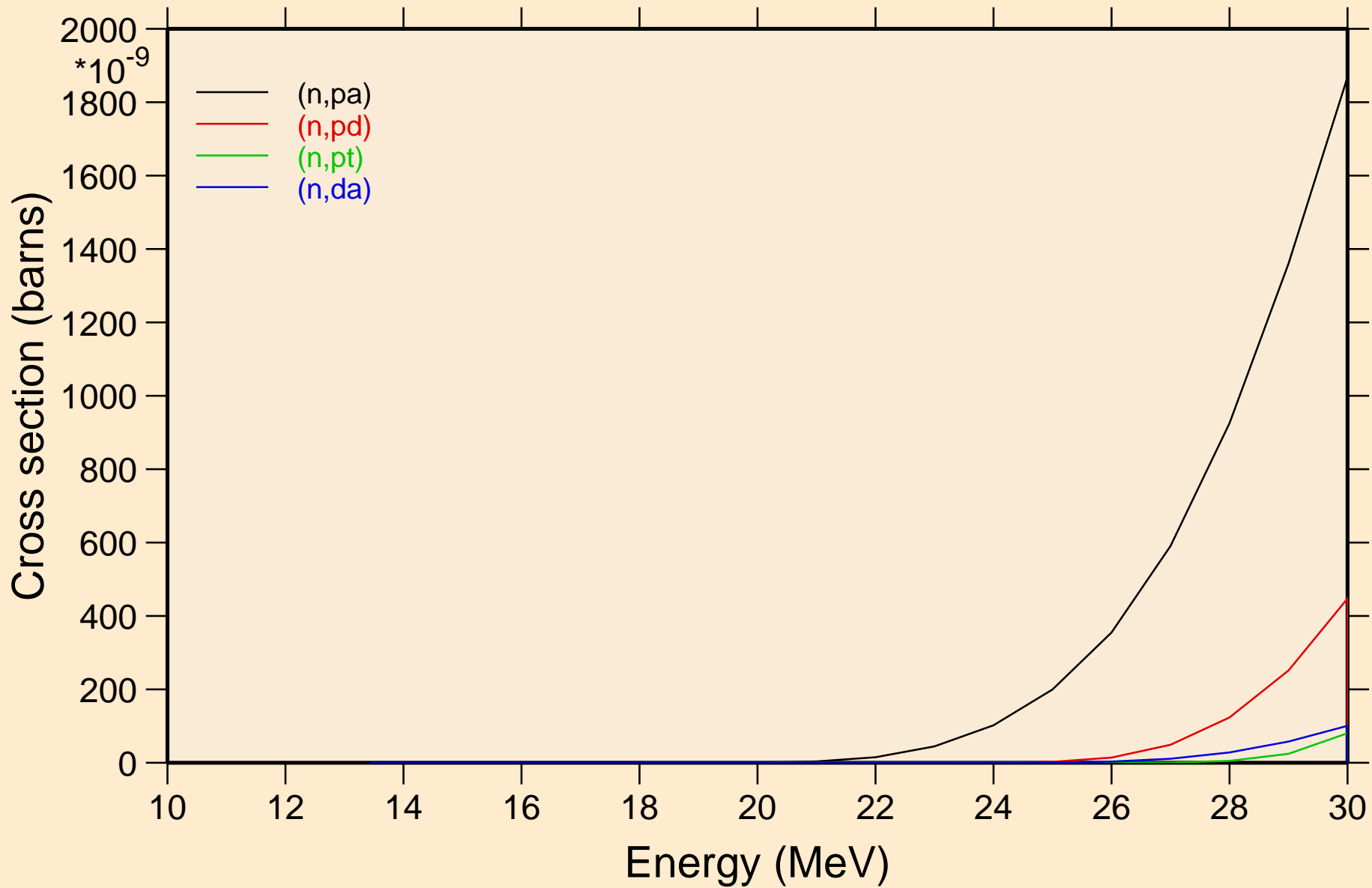


AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



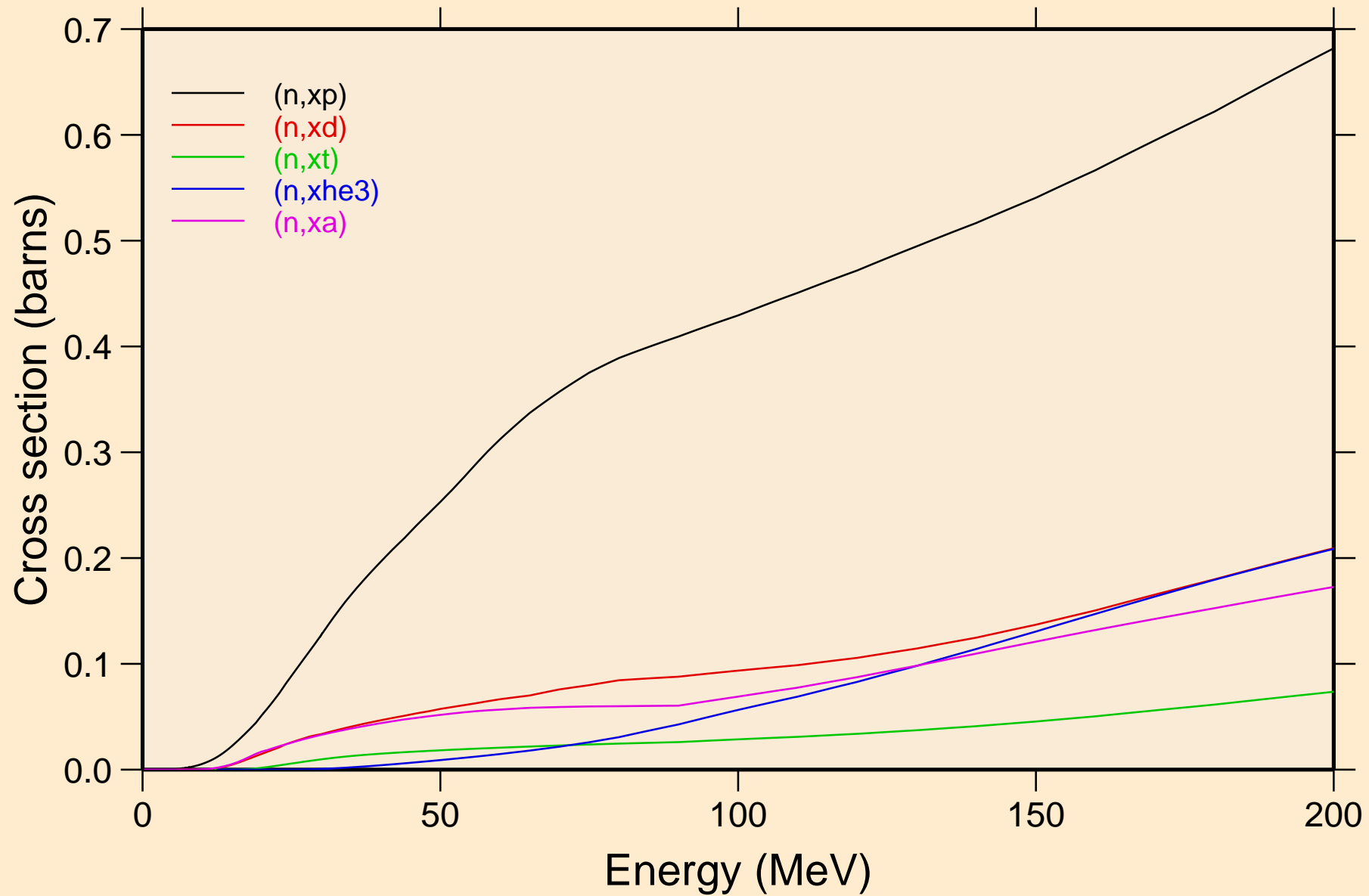
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## Threshold reactions

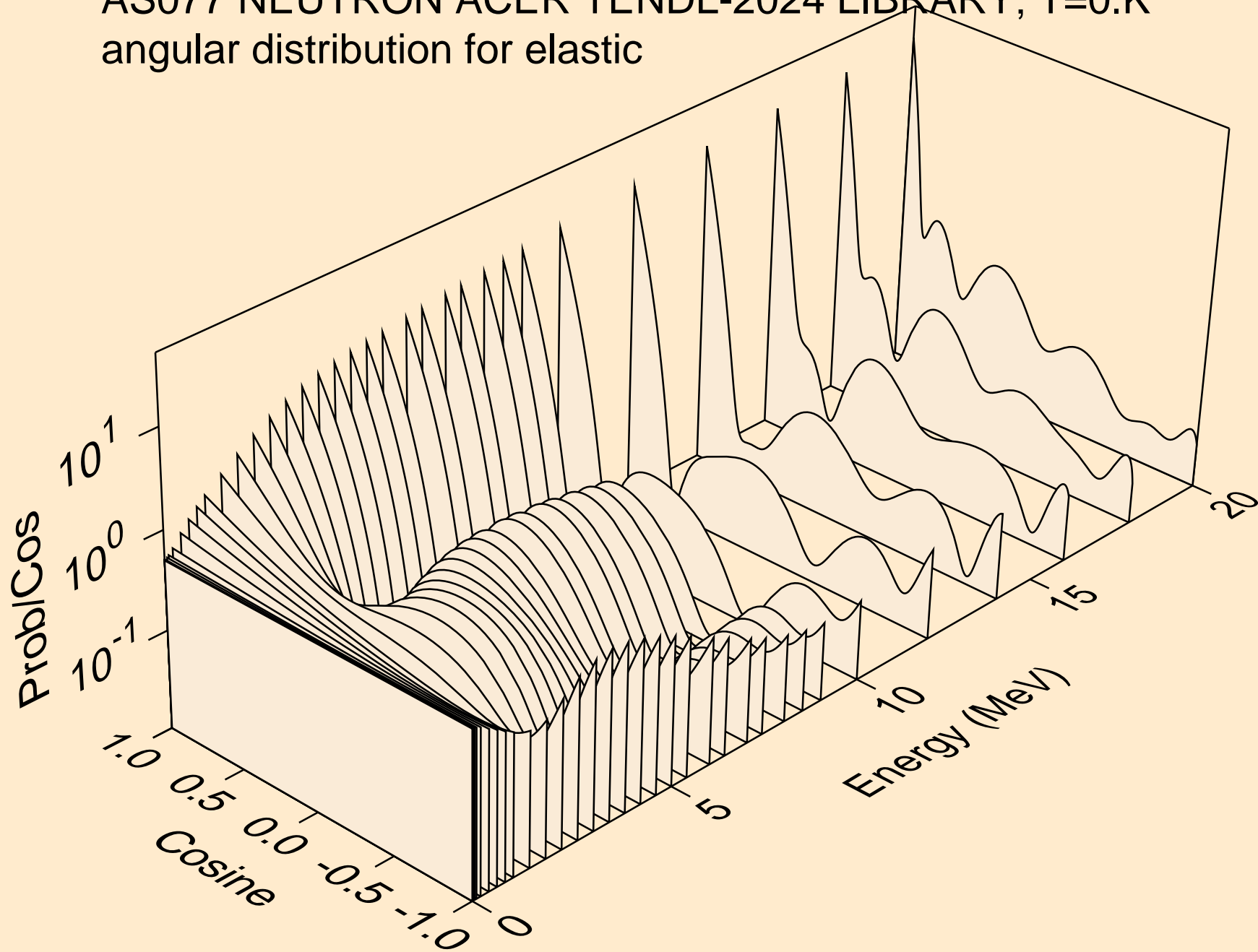


# AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

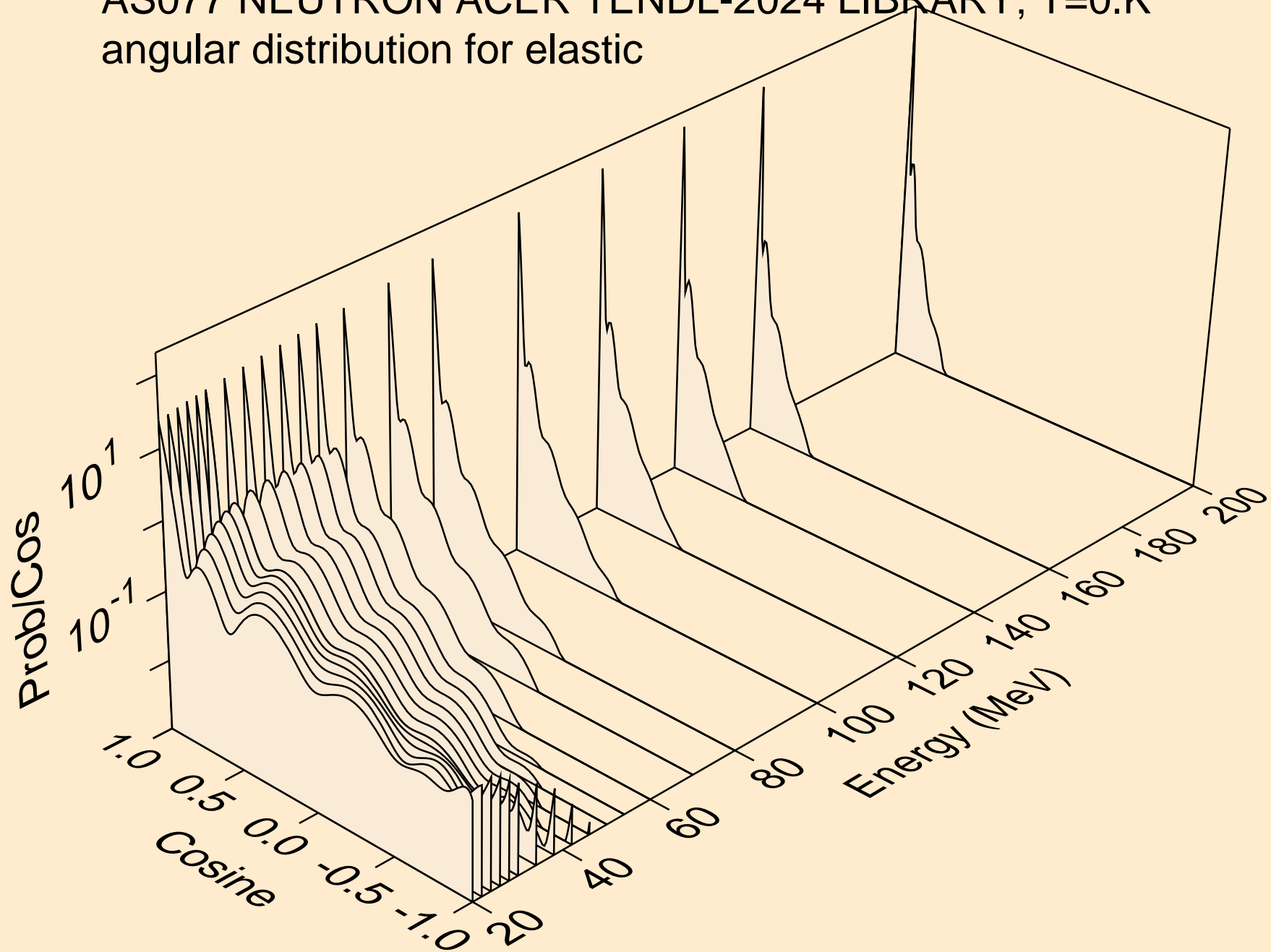
## Threshold reactions



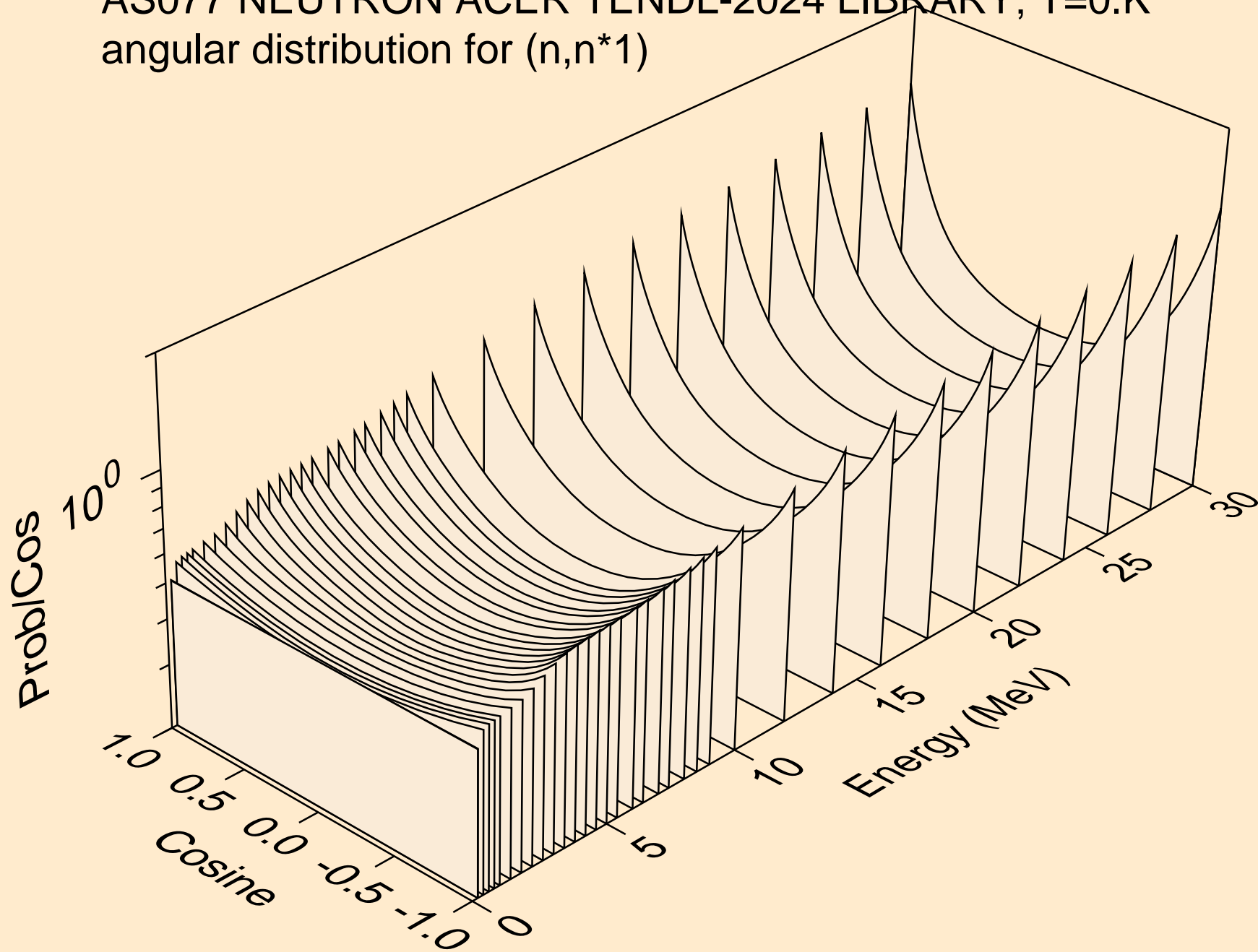
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



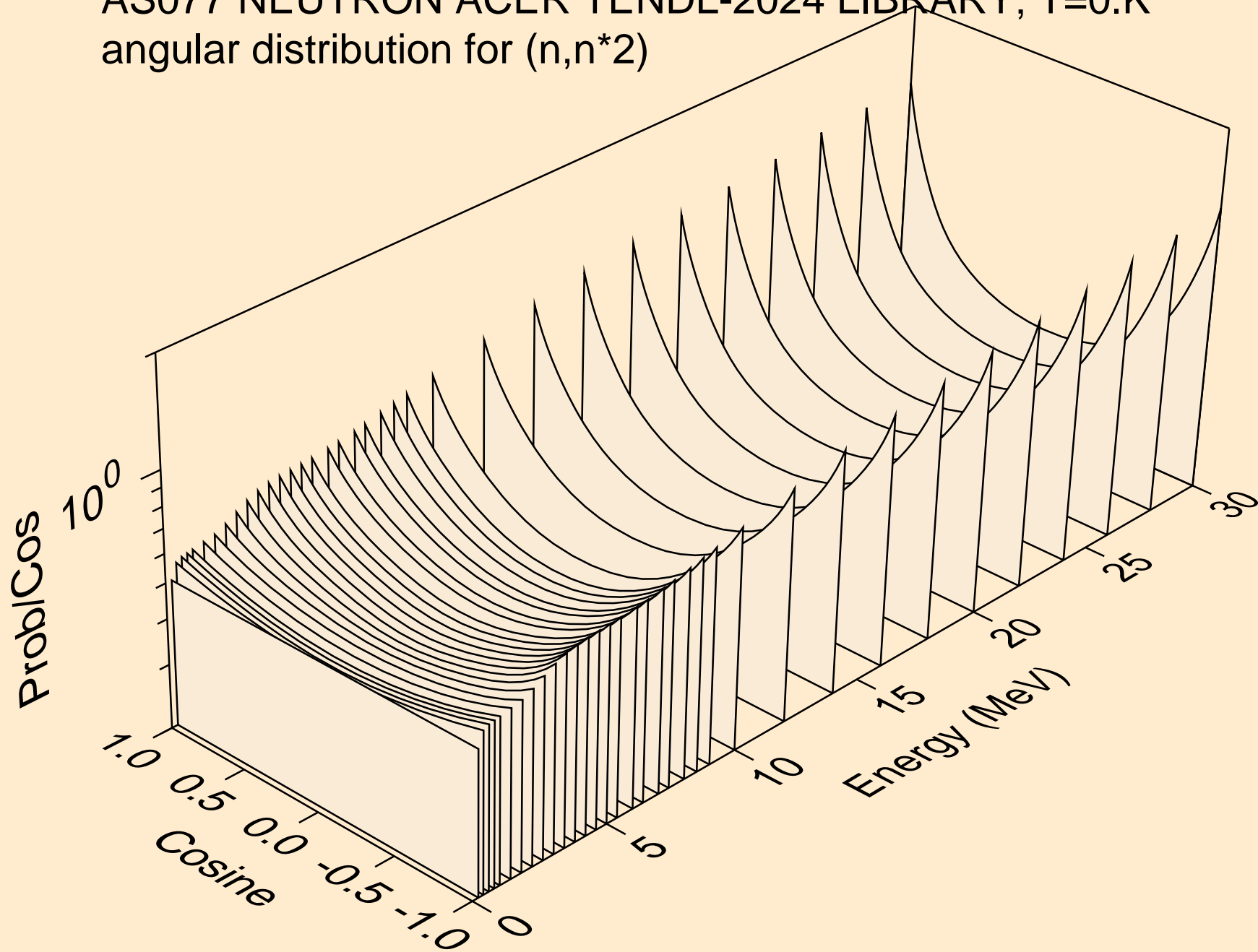
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angular distribution for elastic



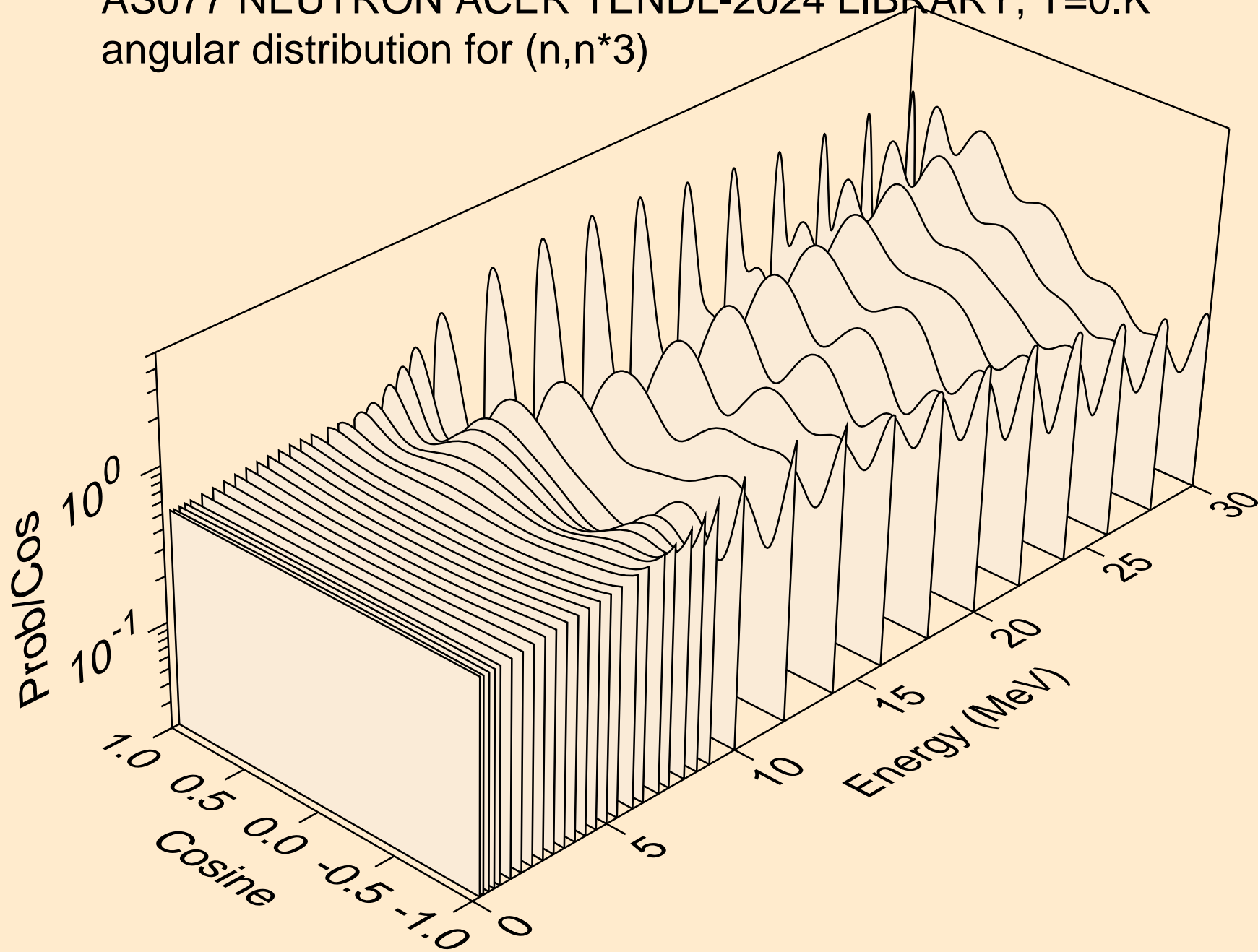
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

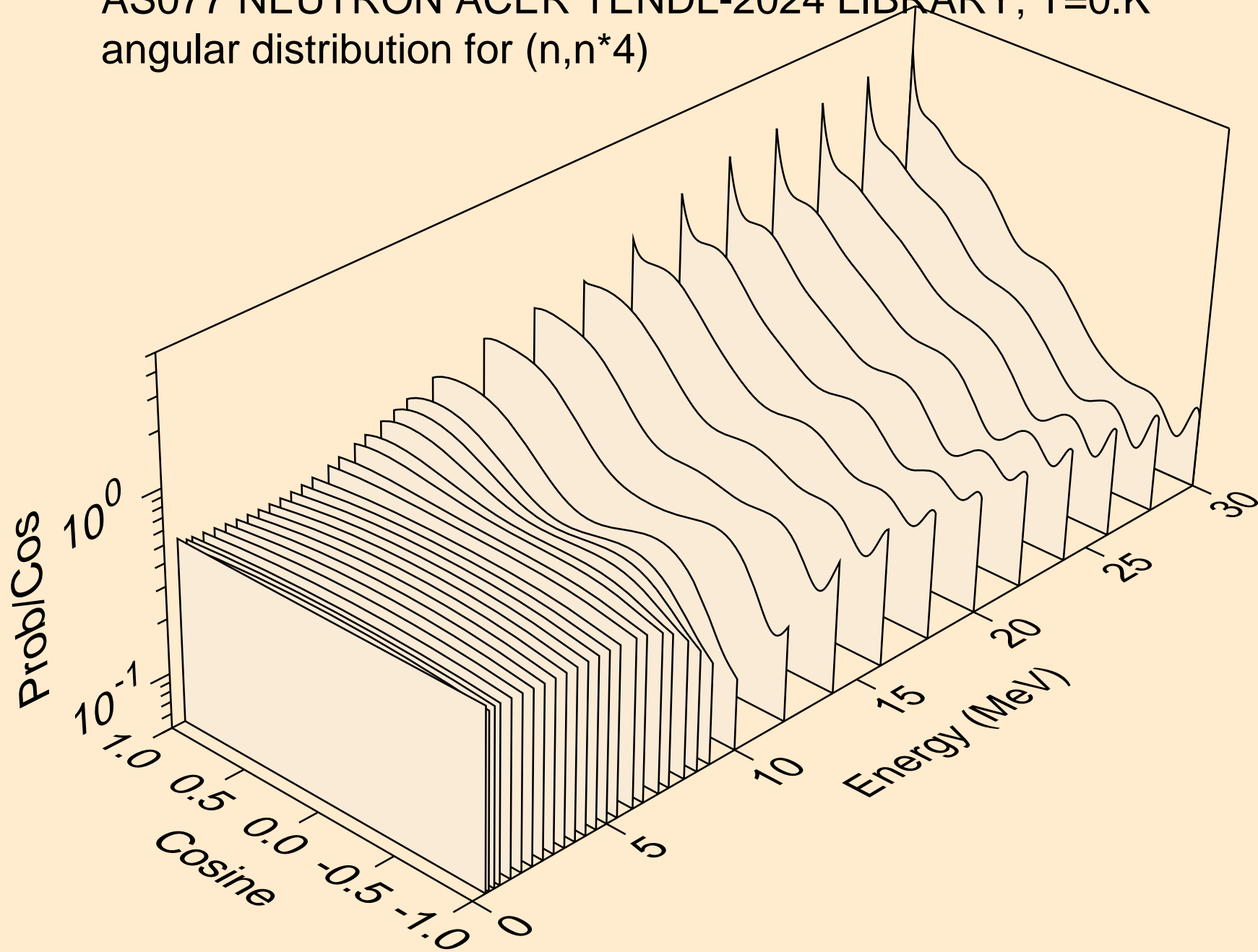


AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)

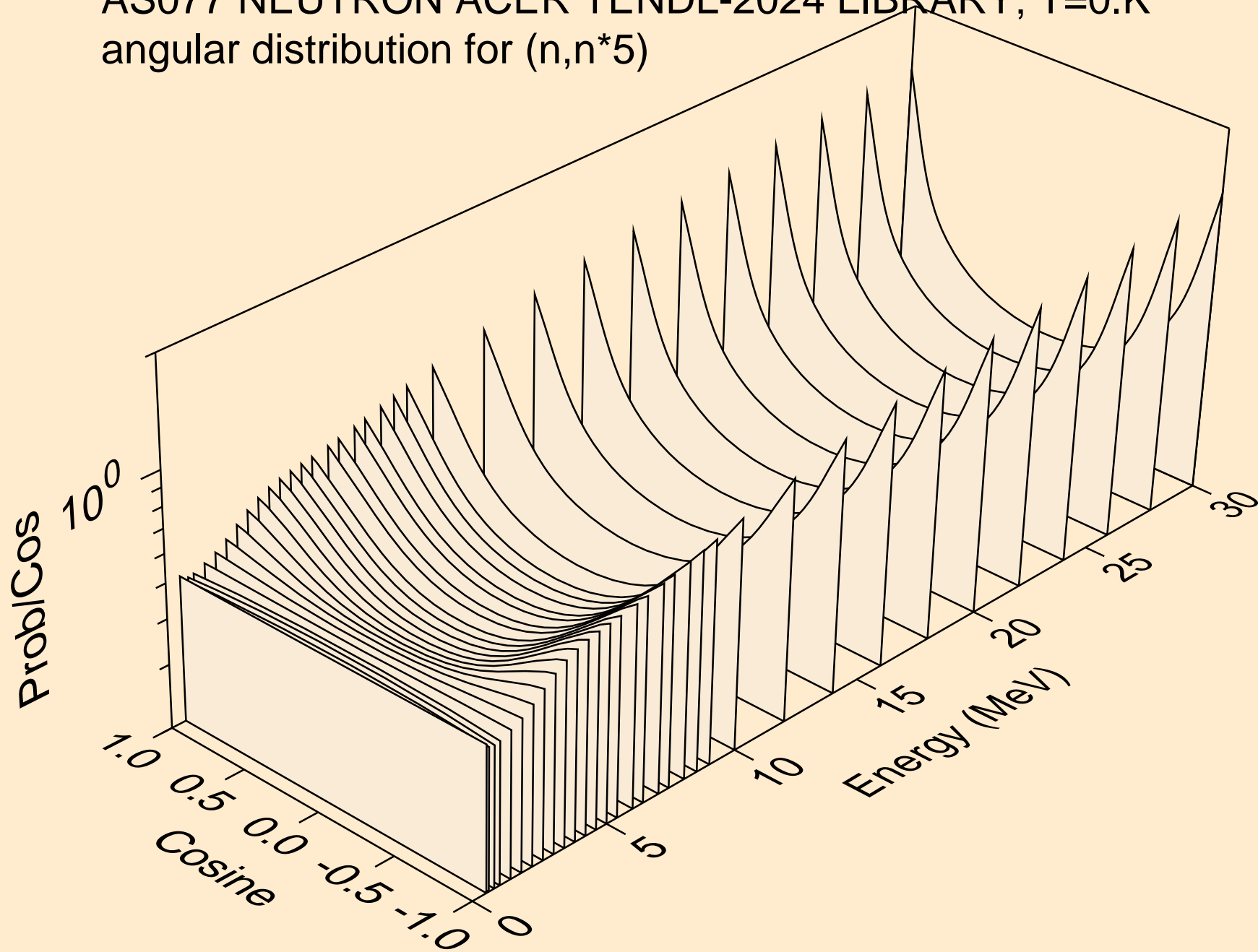




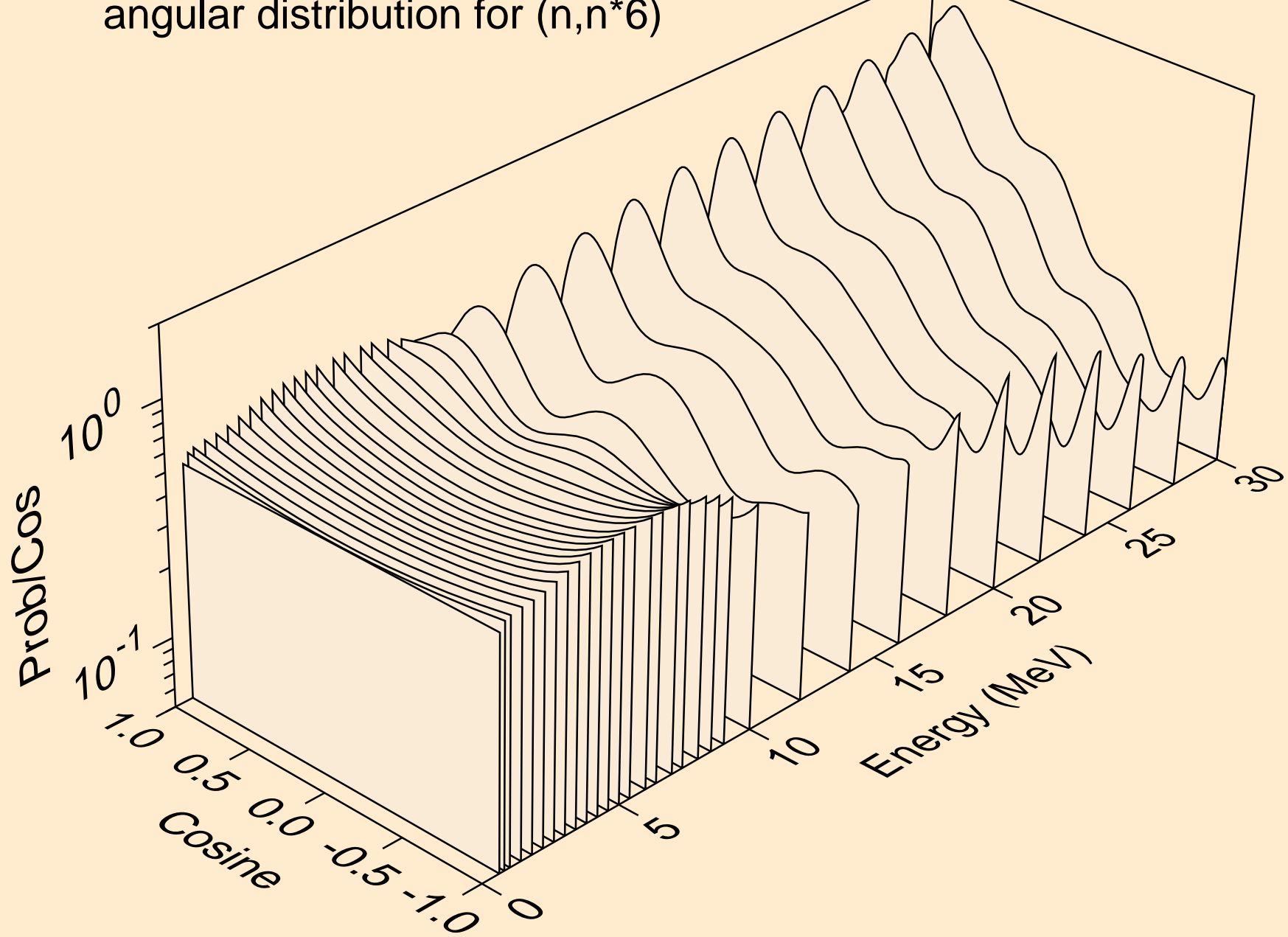
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angular distribution for (n,n\*4)



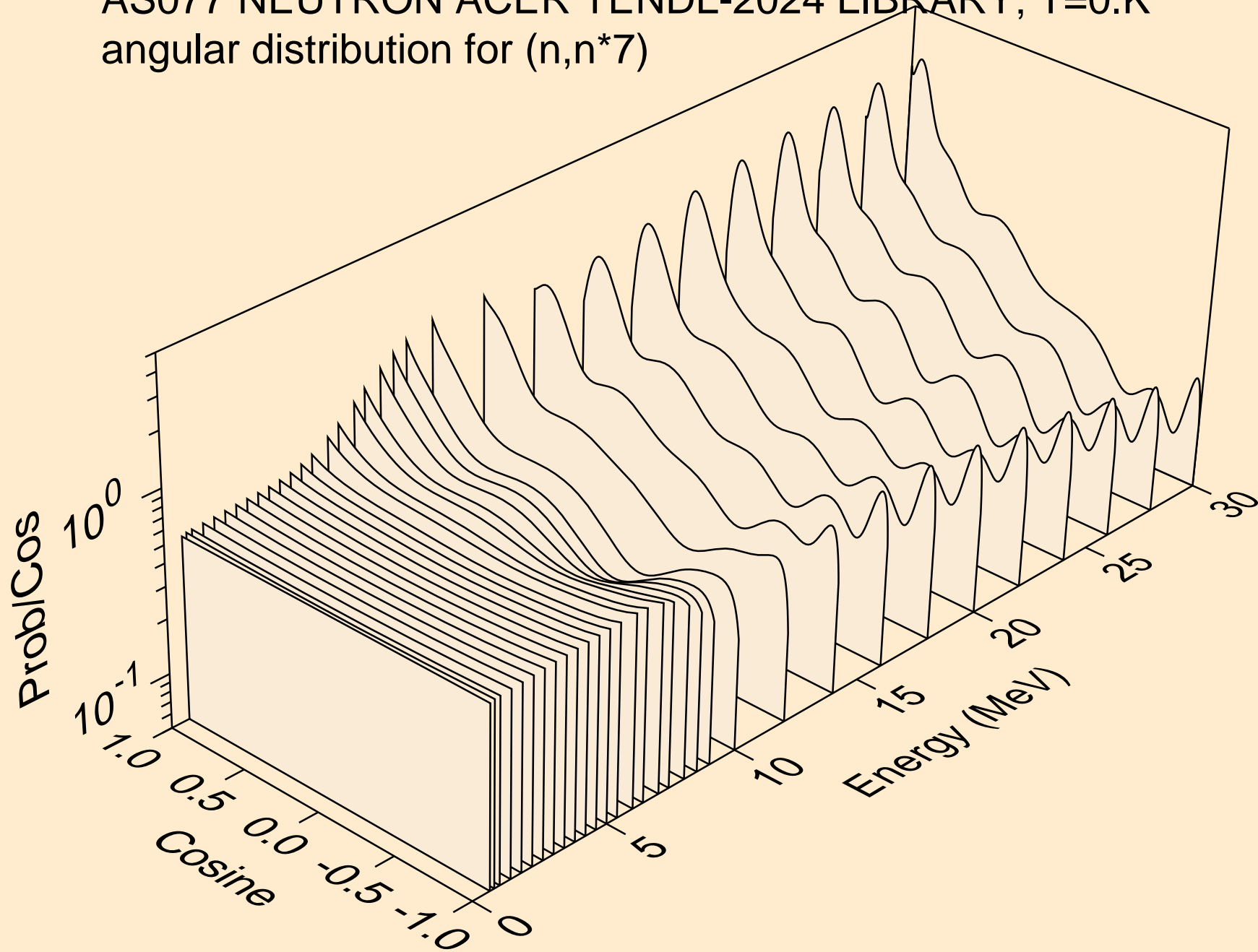
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angular distribution for (n,n\*5)



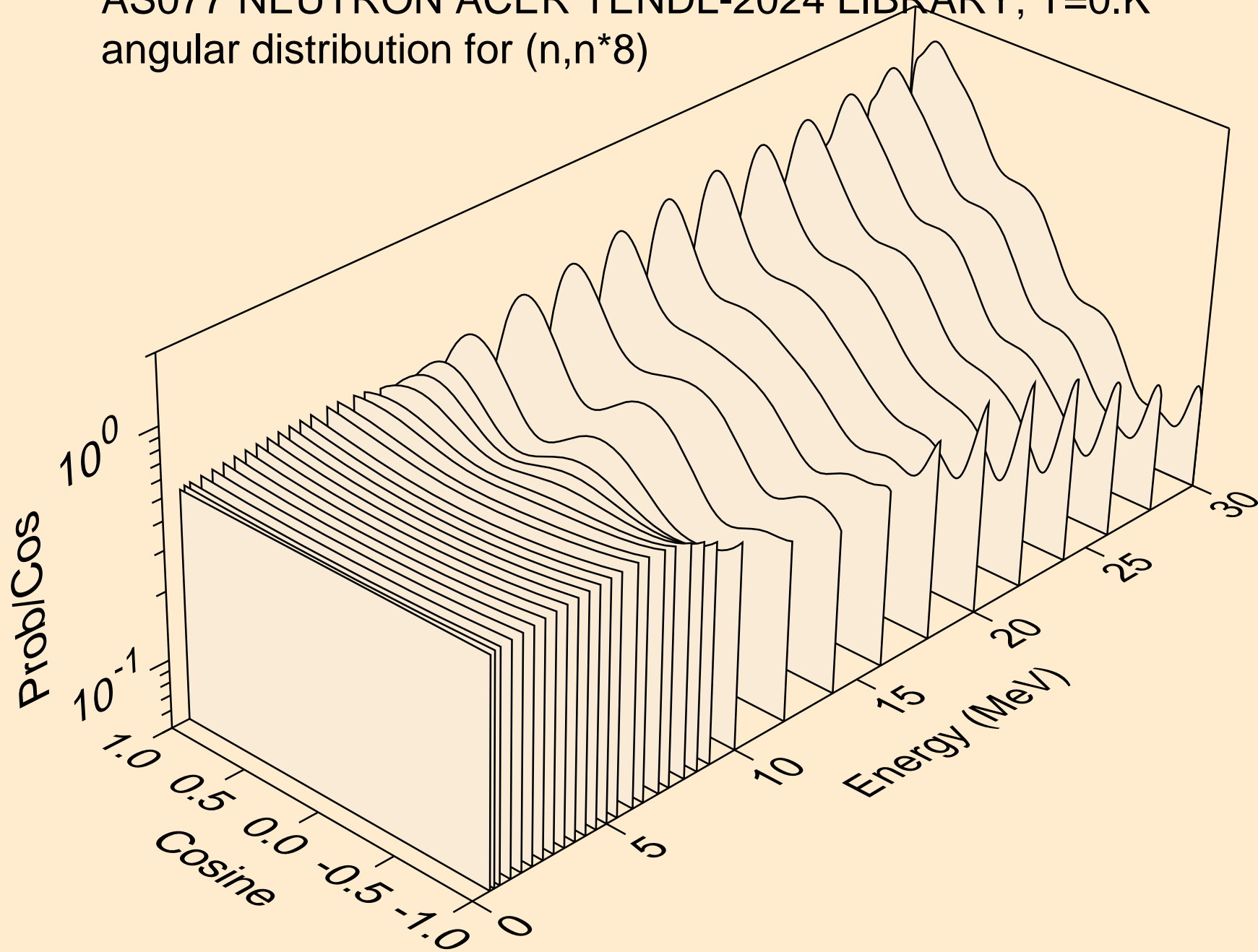
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angular distribution for (n,n\*6)



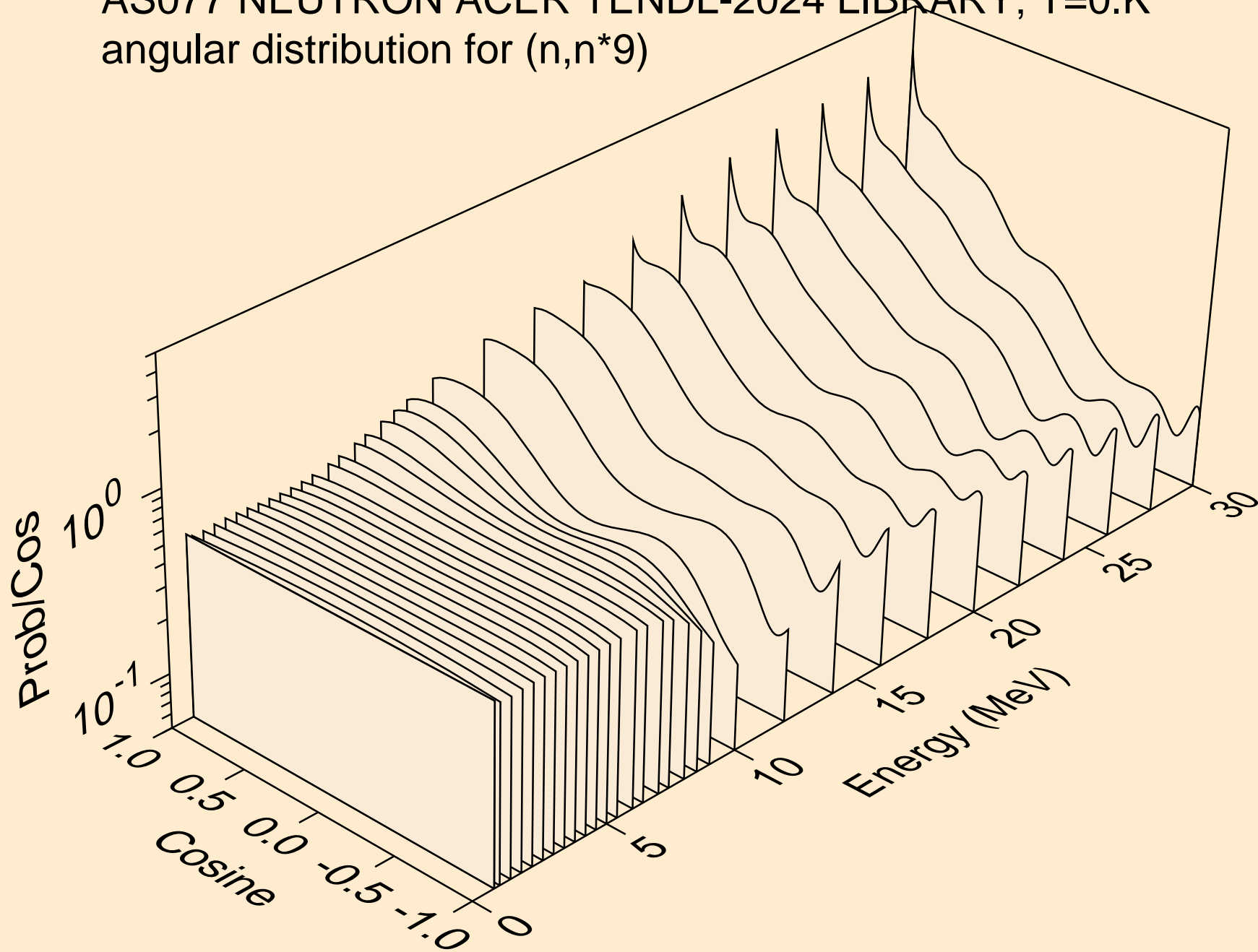
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angular distribution for (n,n\*7)



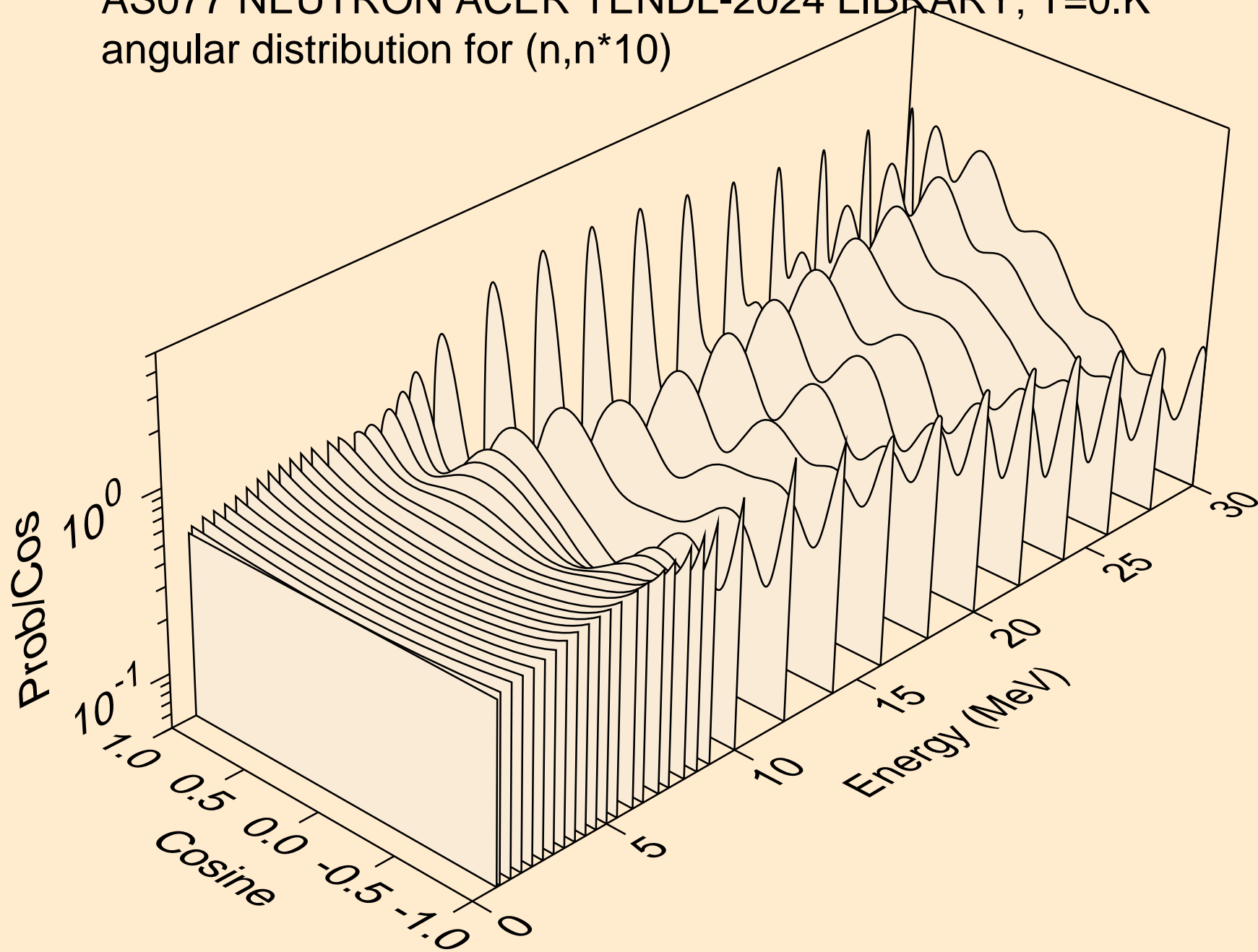
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angular distribution for (n,n\*8)



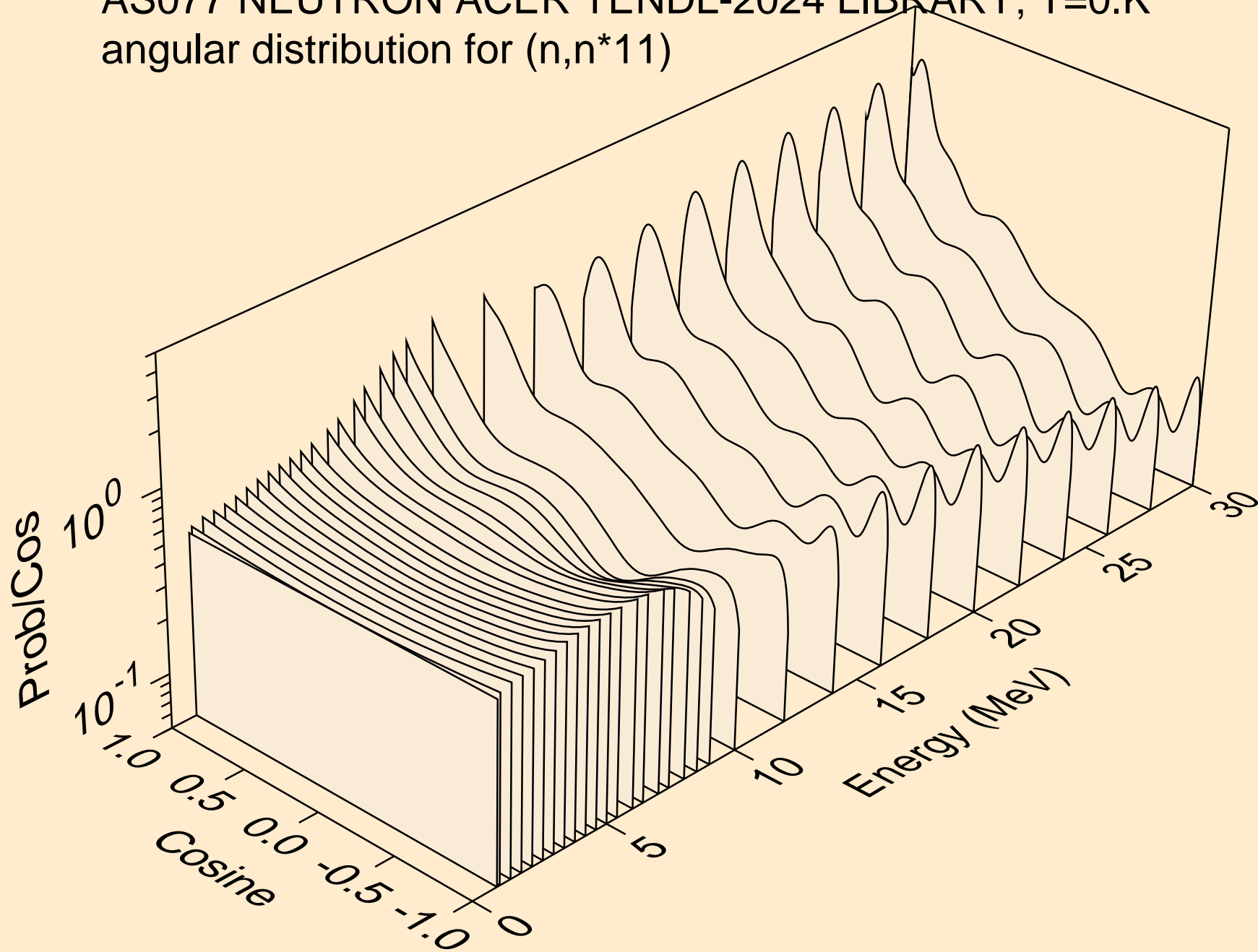
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

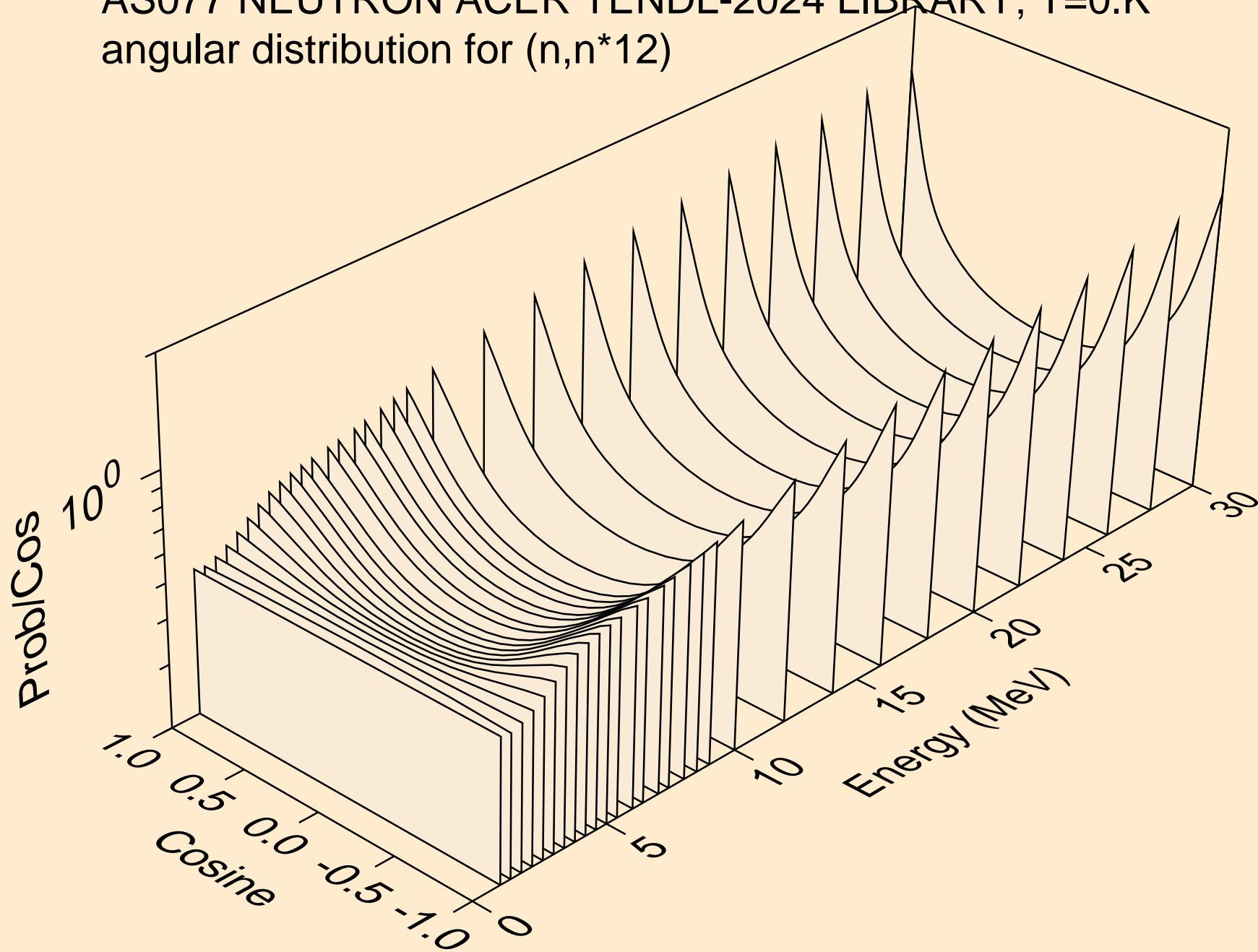


AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)

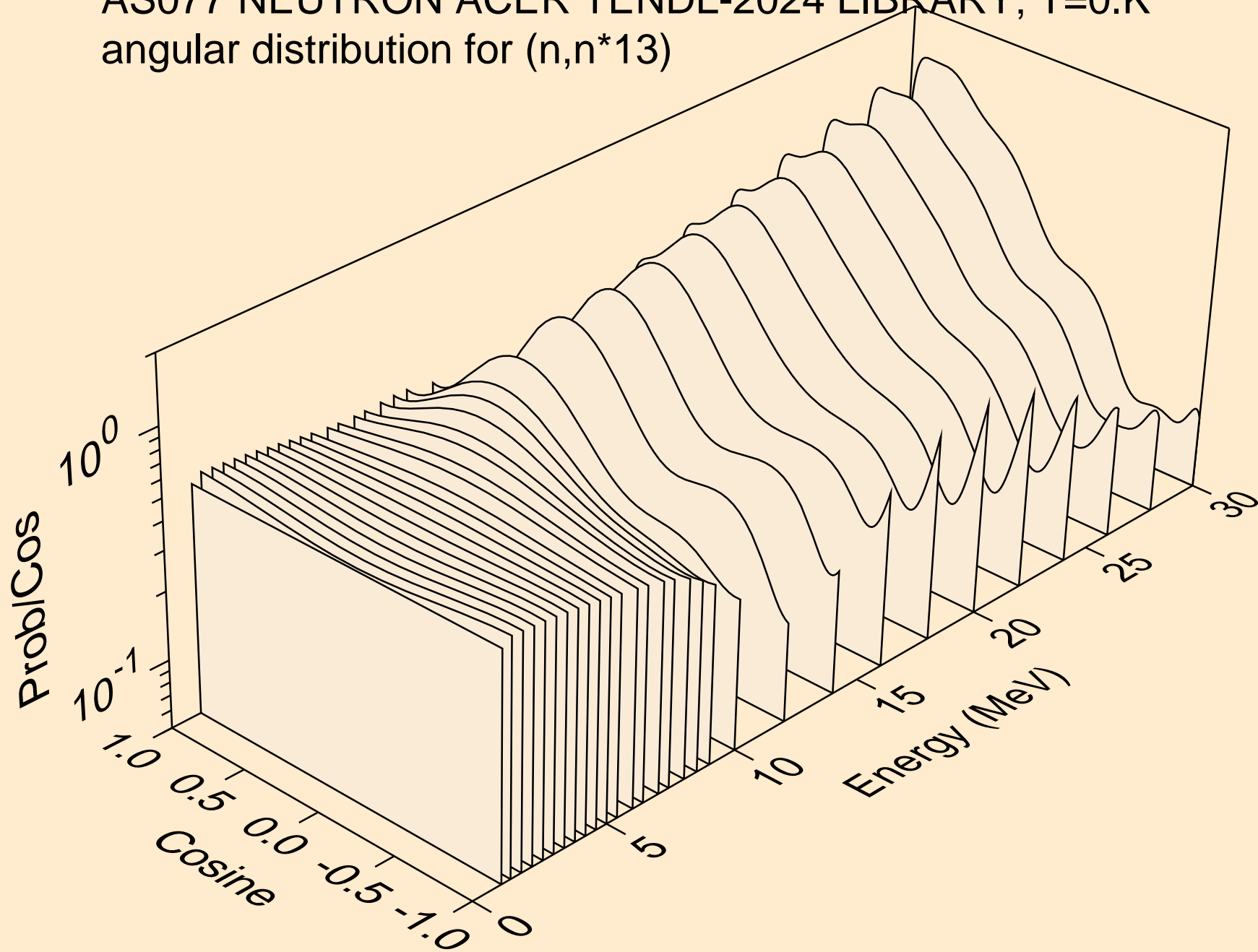




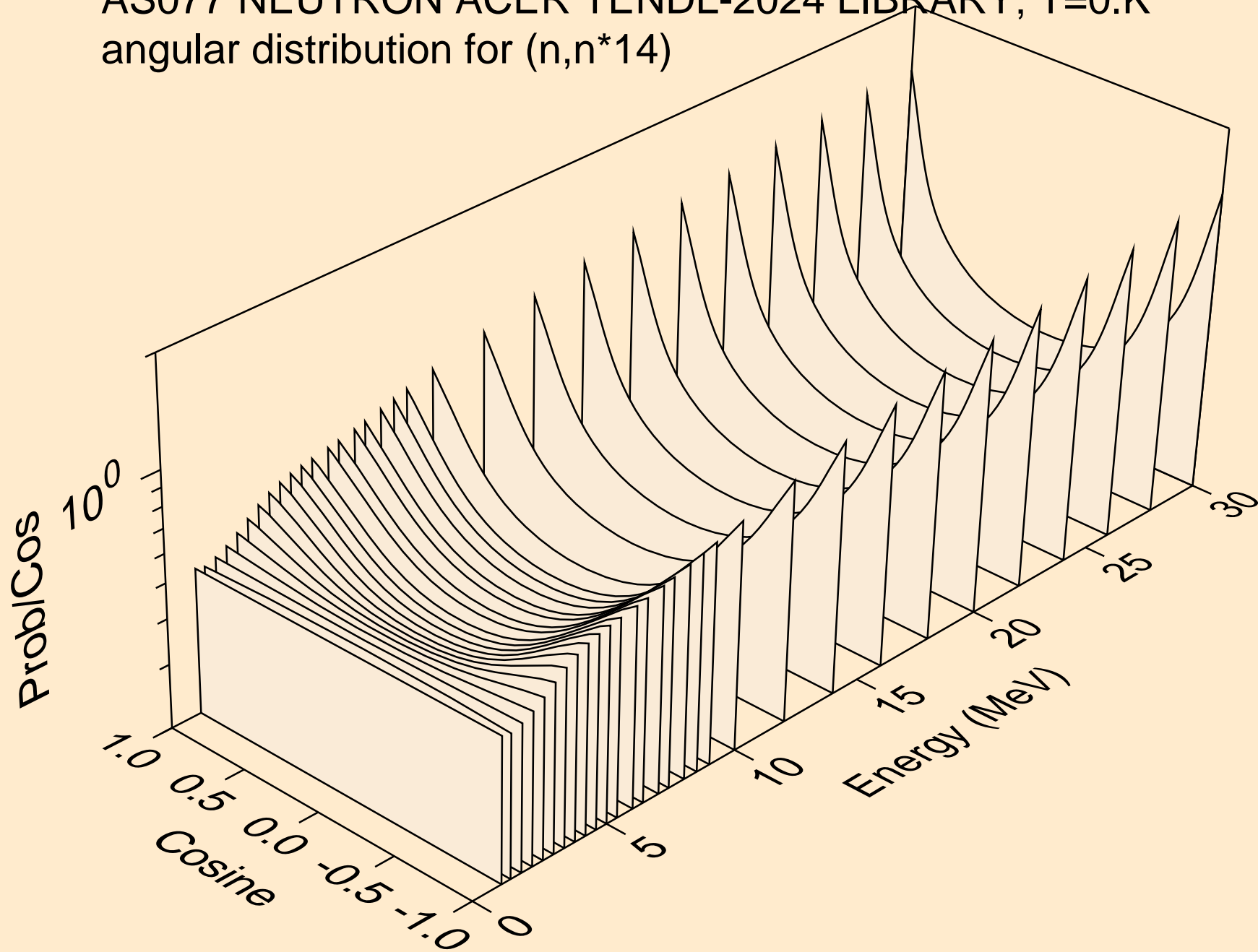
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angular distribution for (n,n\*12)



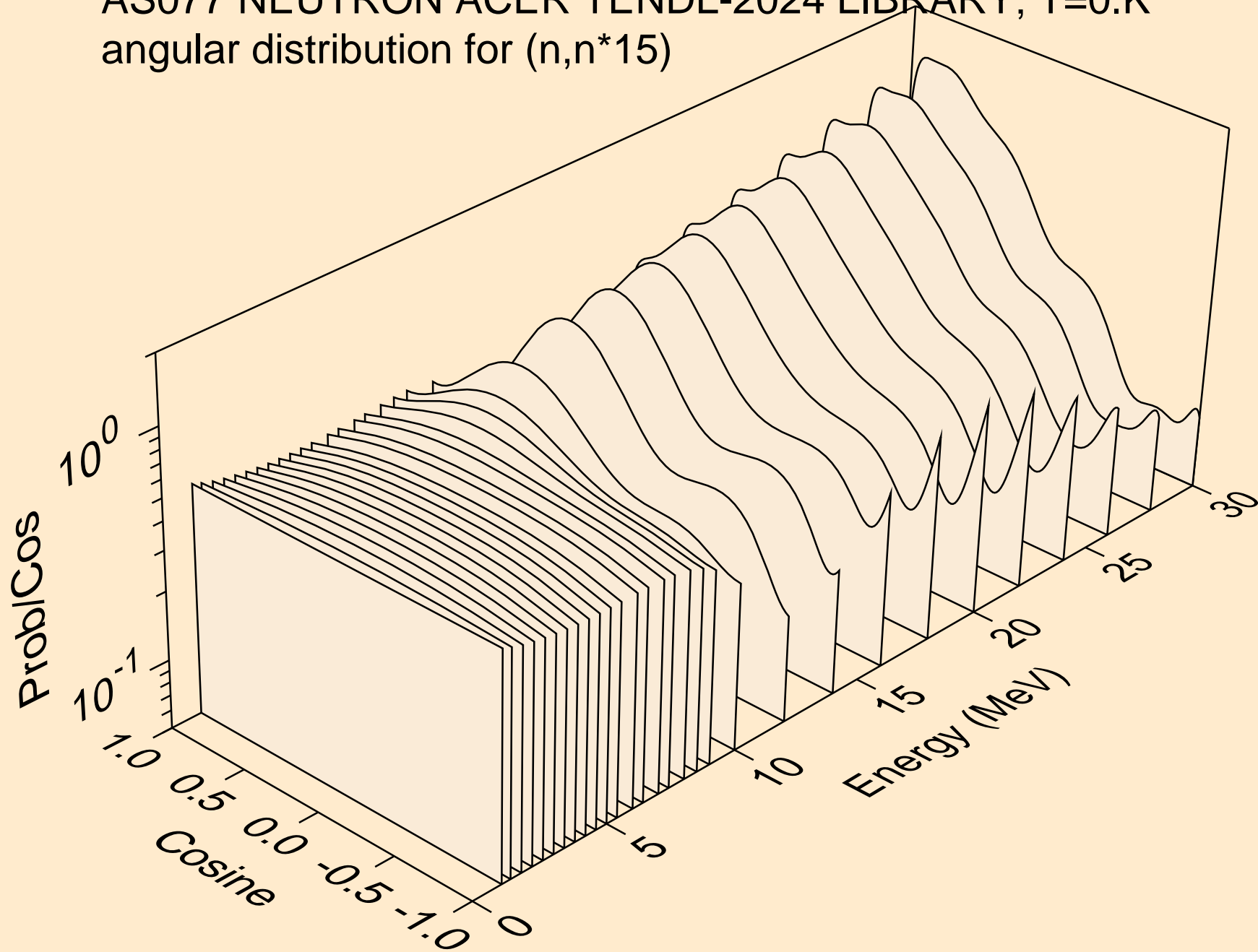
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angular distribution for (n,n\*13)



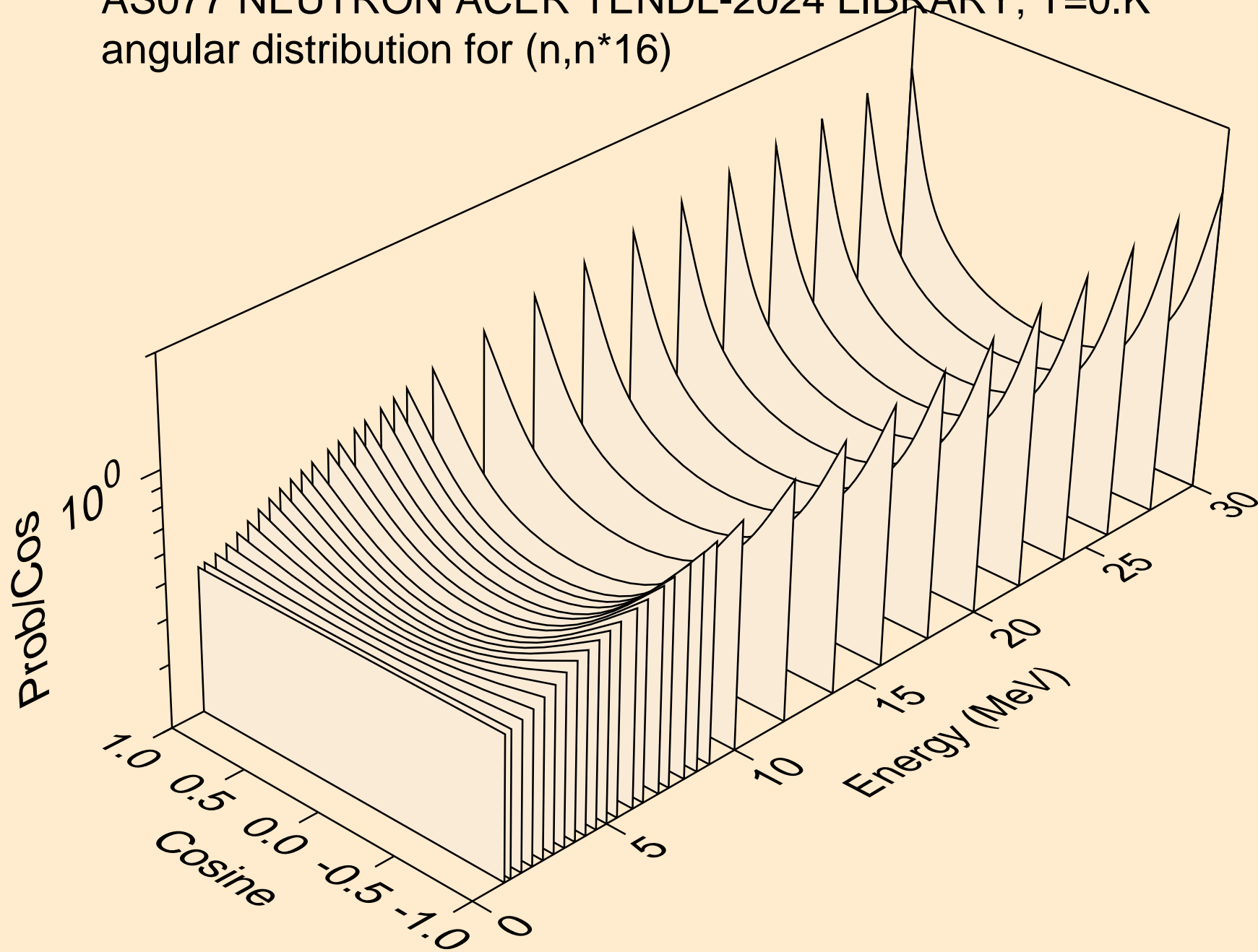
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angular distribution for (n,n\*14)



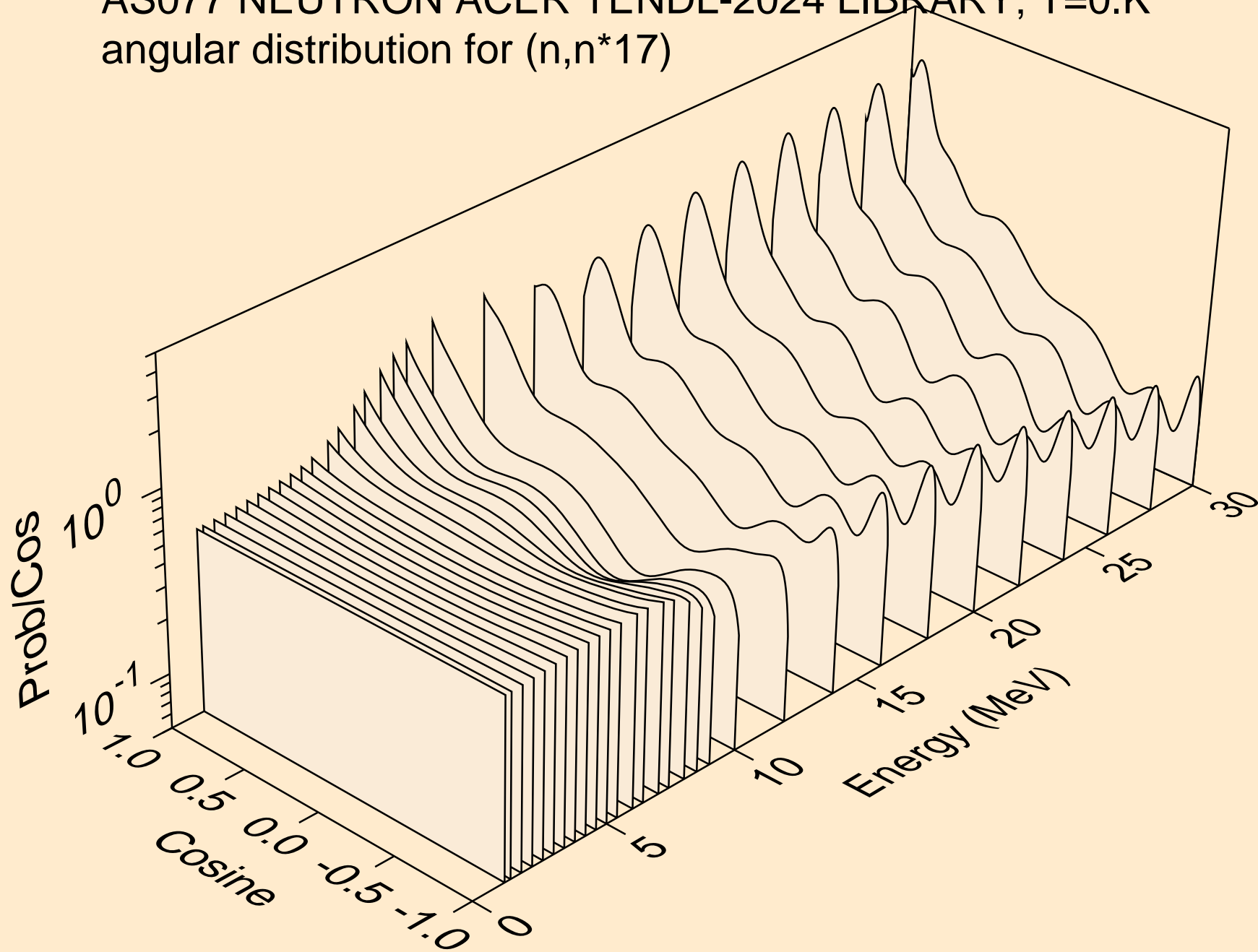
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angular distribution for (n,n\*15)



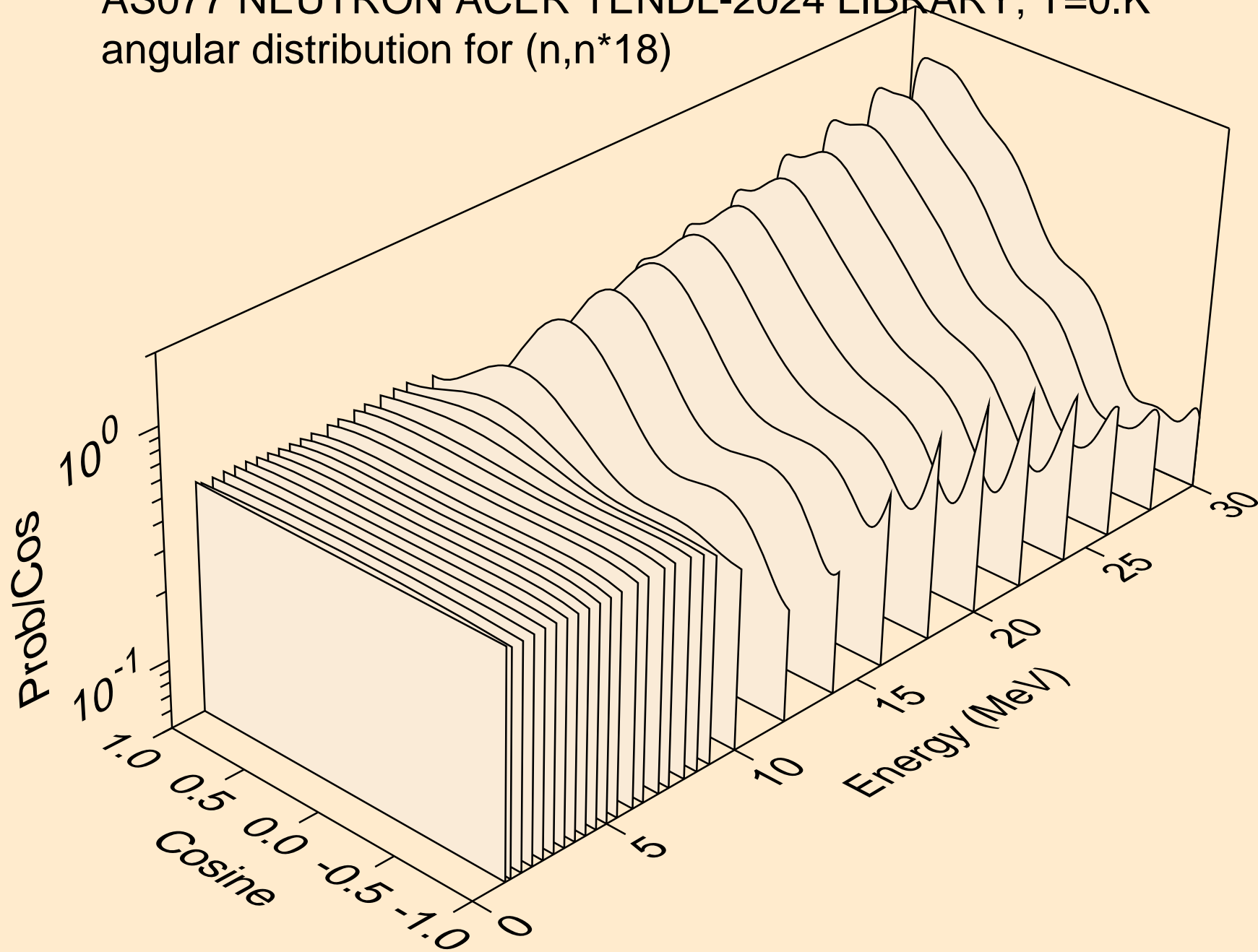
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angular distribution for (n,n\*16)



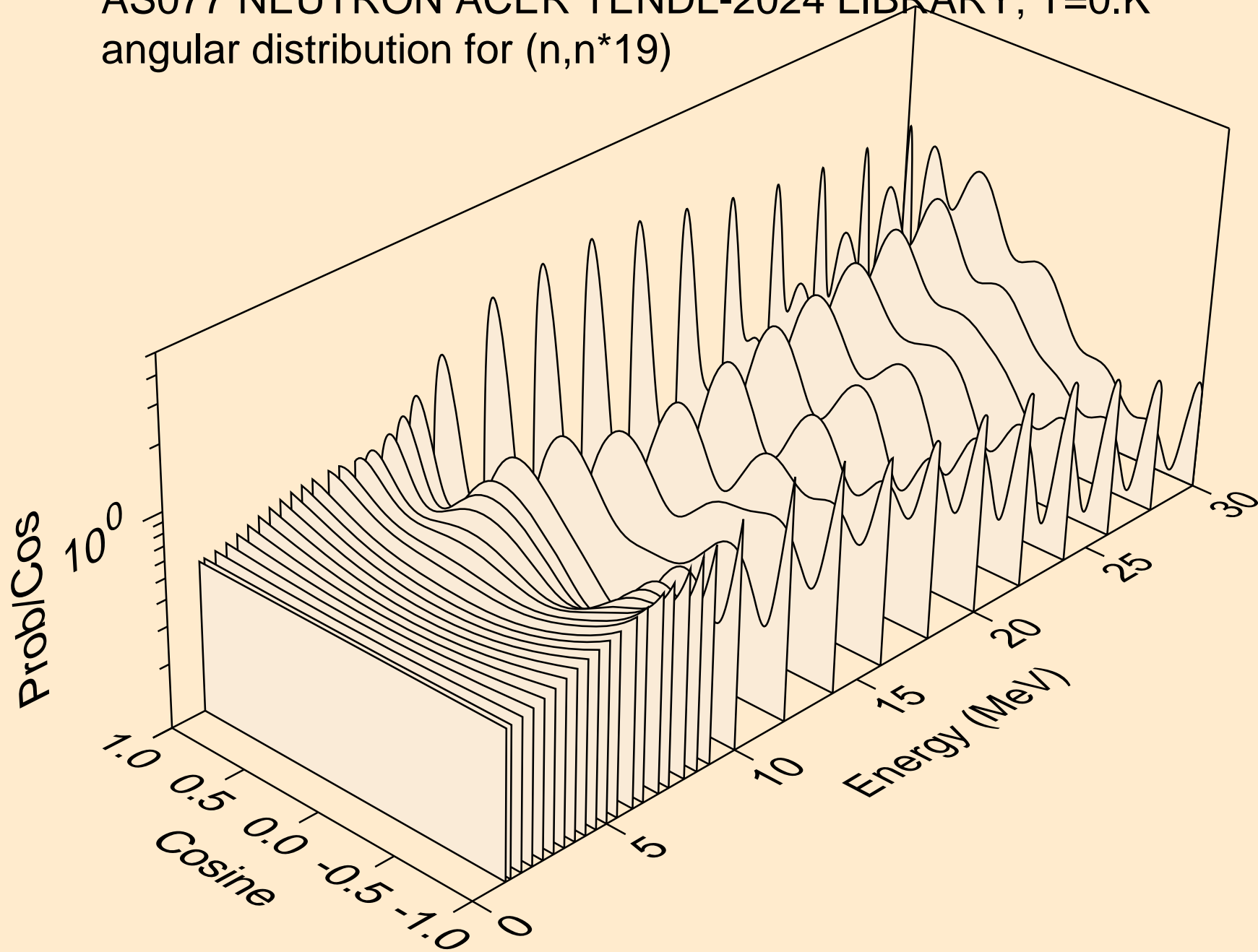
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*17)



AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*18)

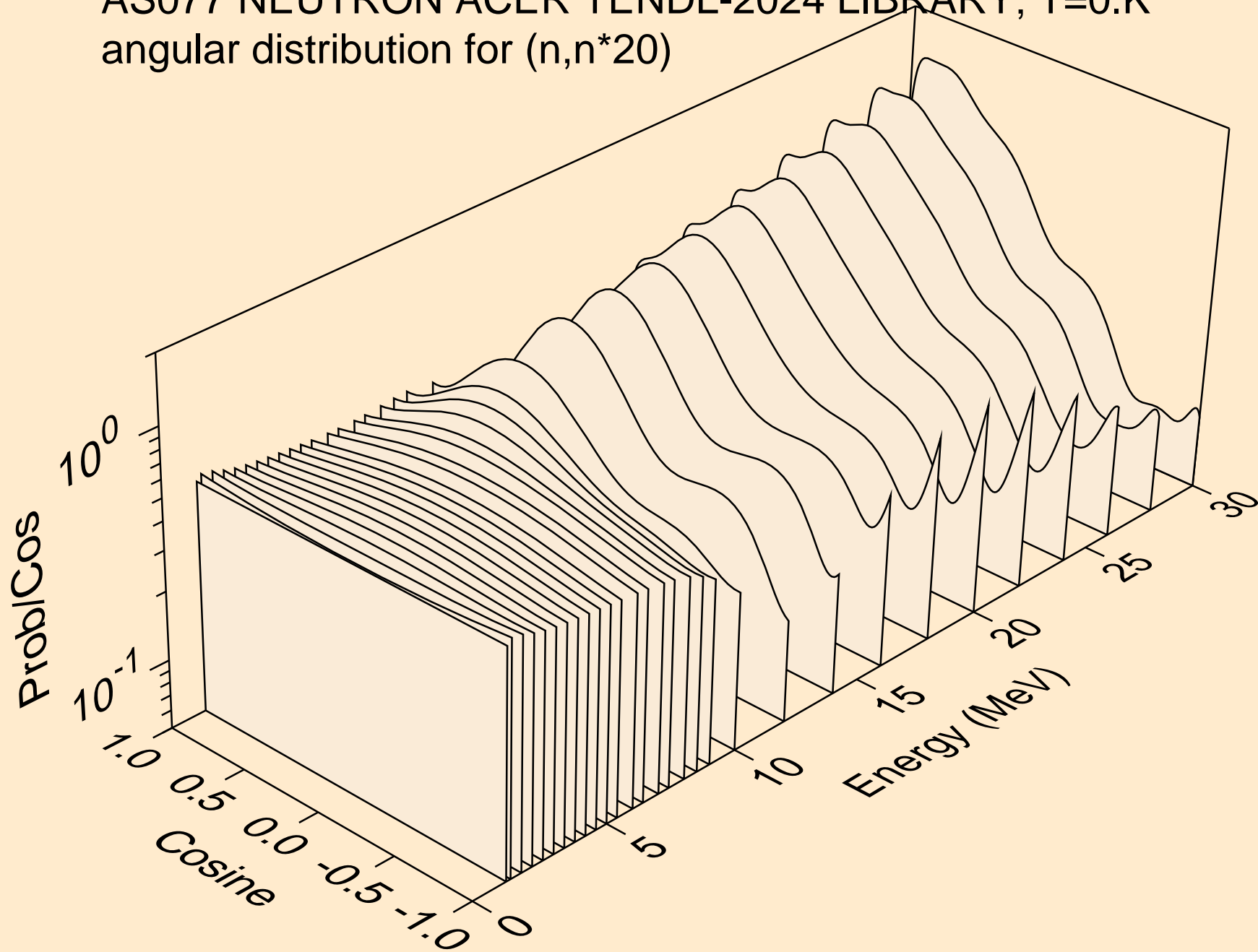


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angular distribution for (n,n\*19)

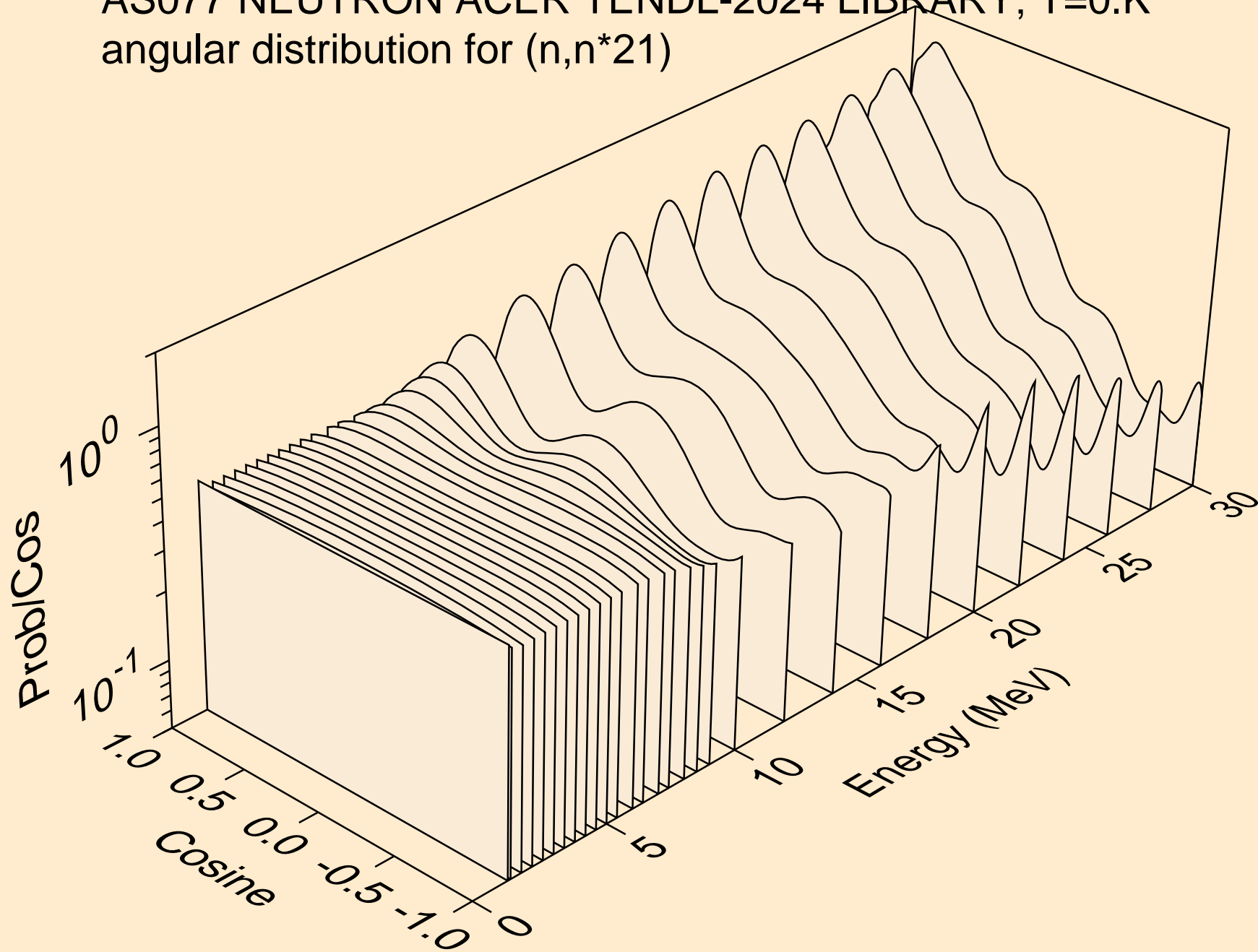




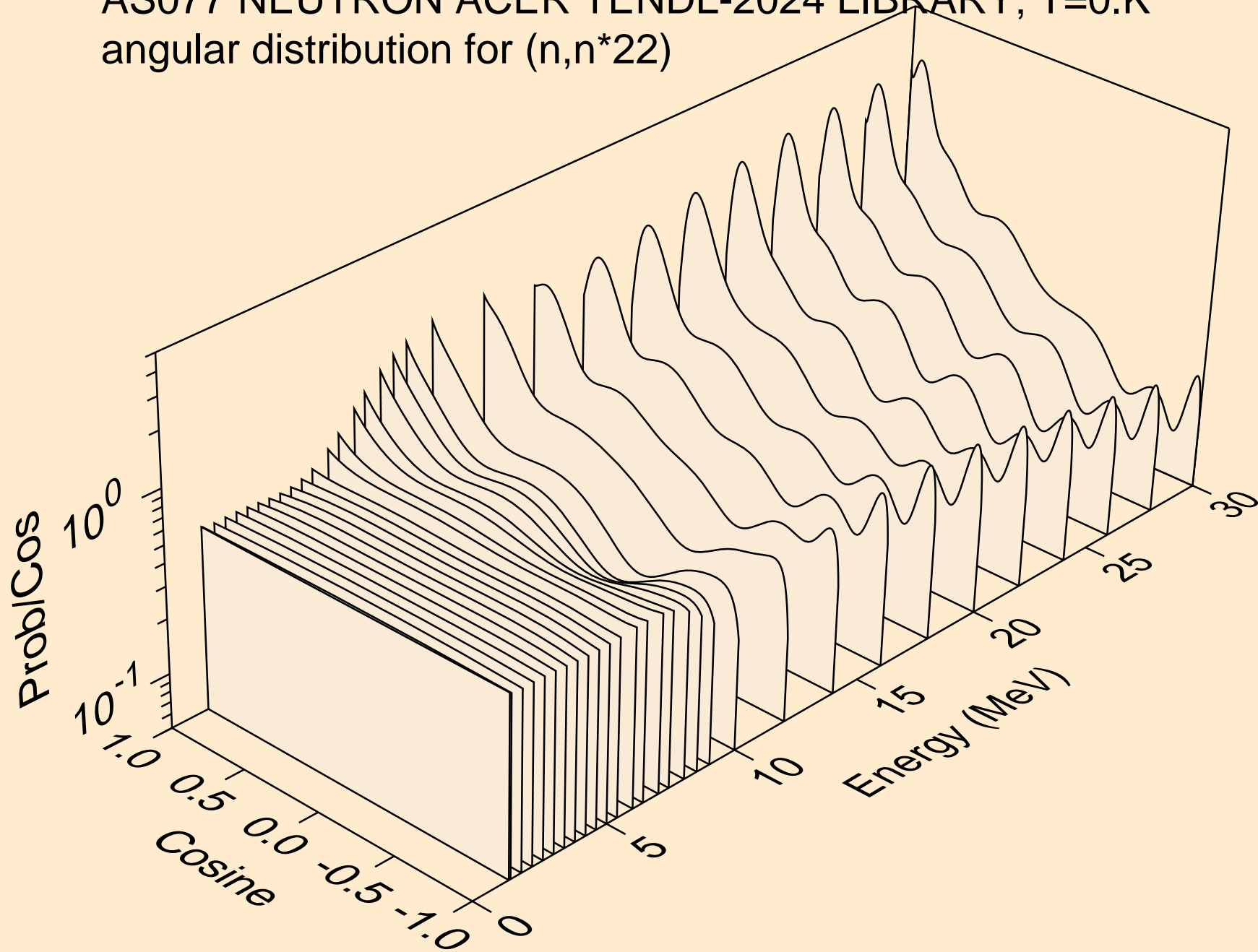
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angular distribution for (n,n\*20)



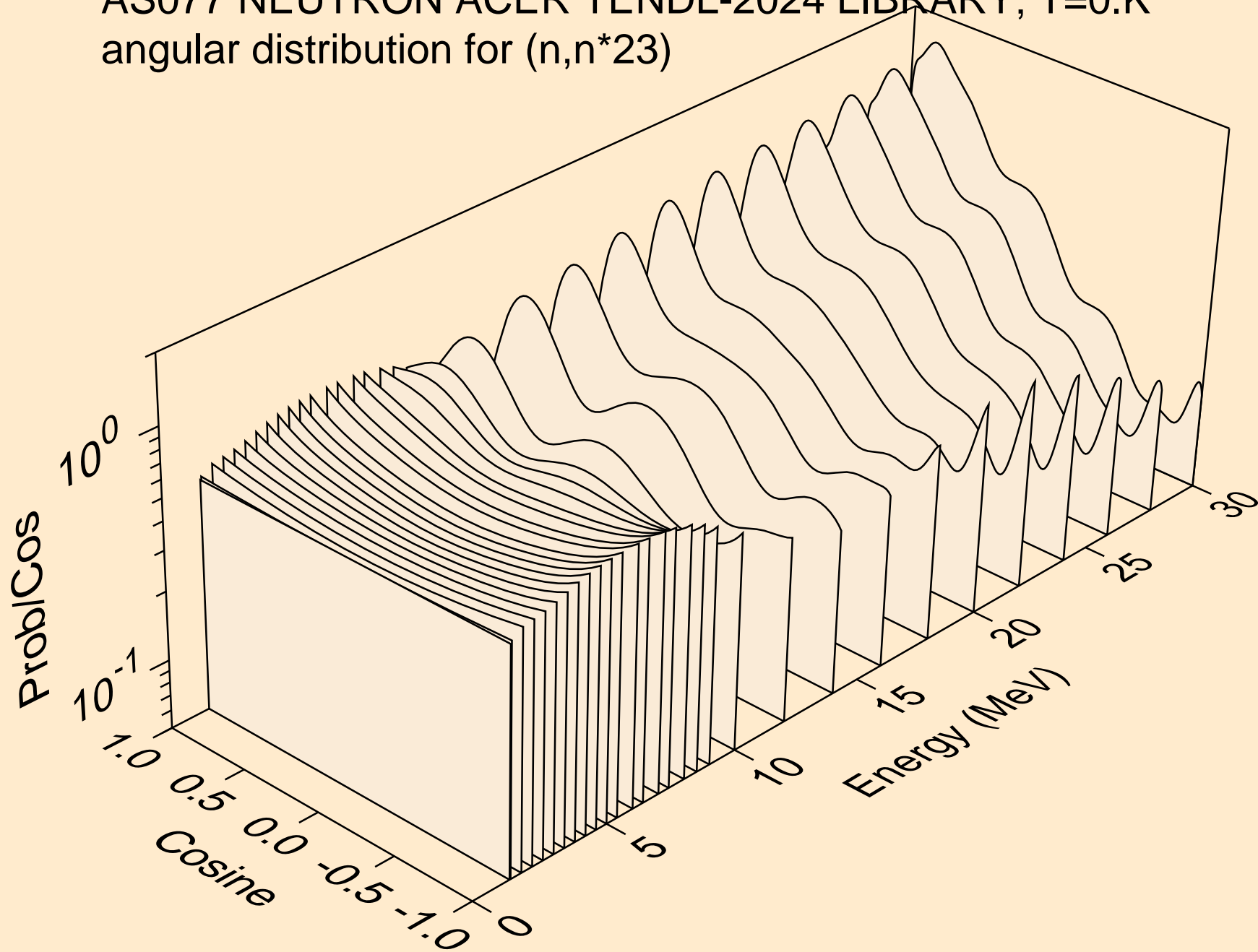
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angular distribution for (n,n\*21)



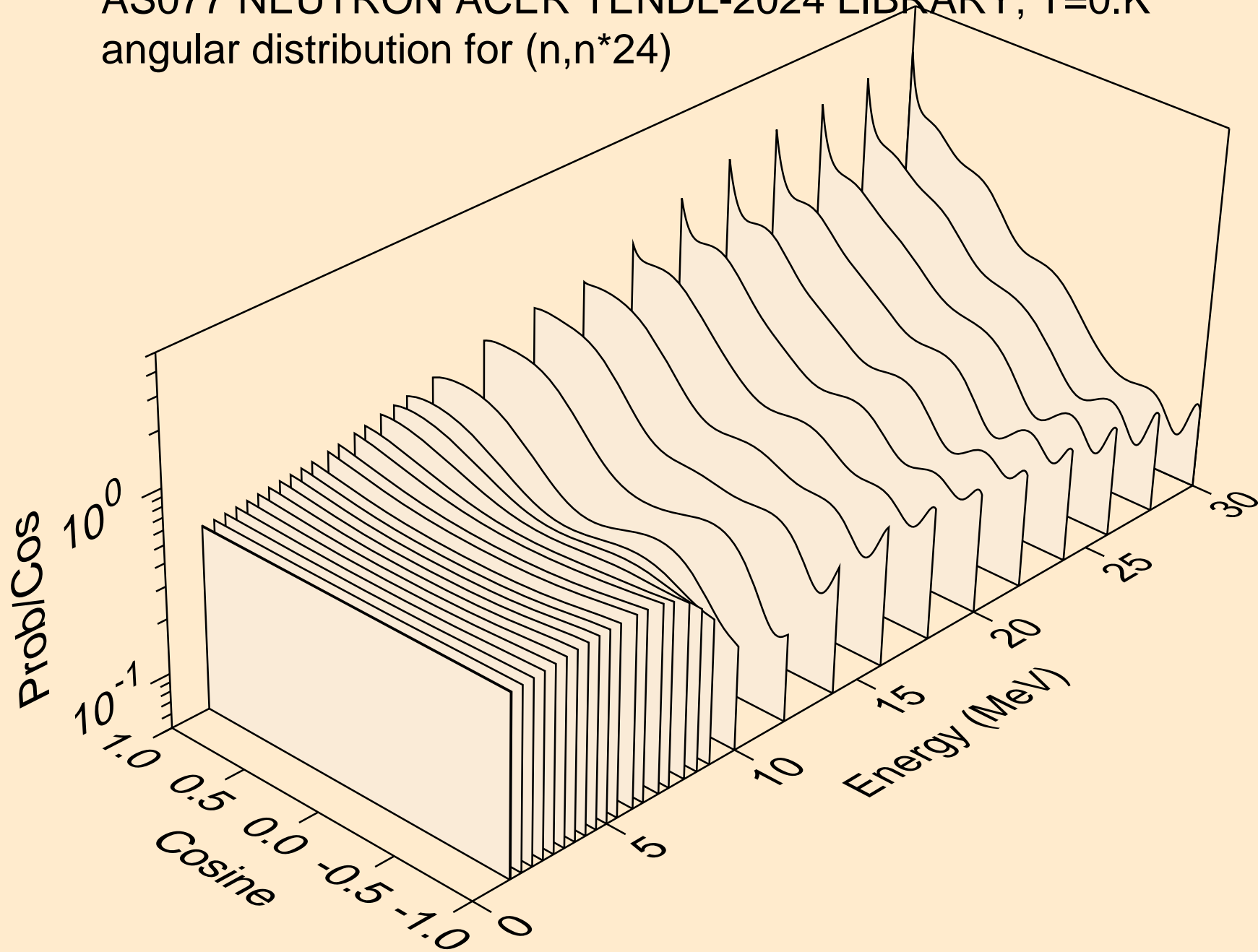
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angular distribution for (n,n\*22)



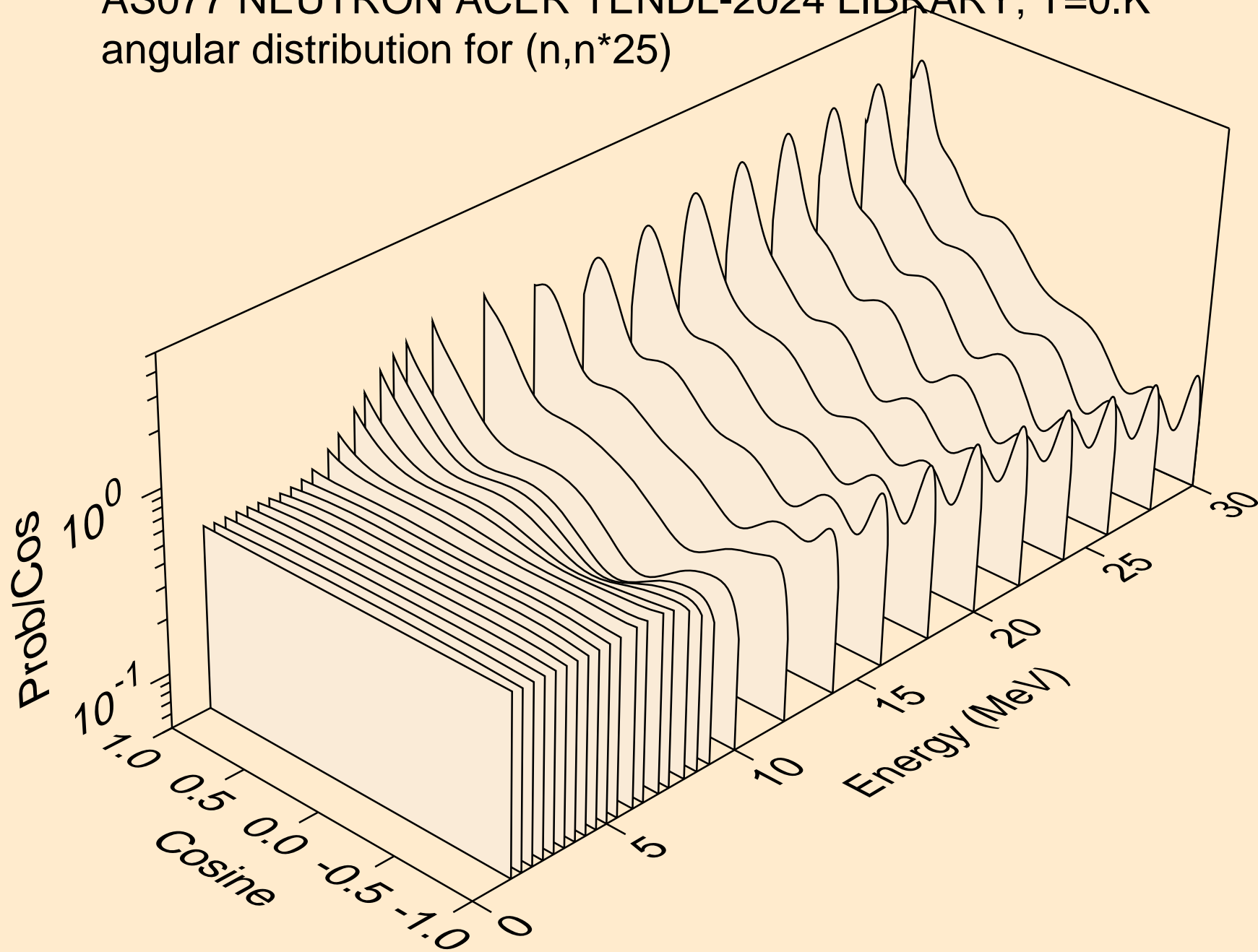
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angular distribution for (n,n\*23)



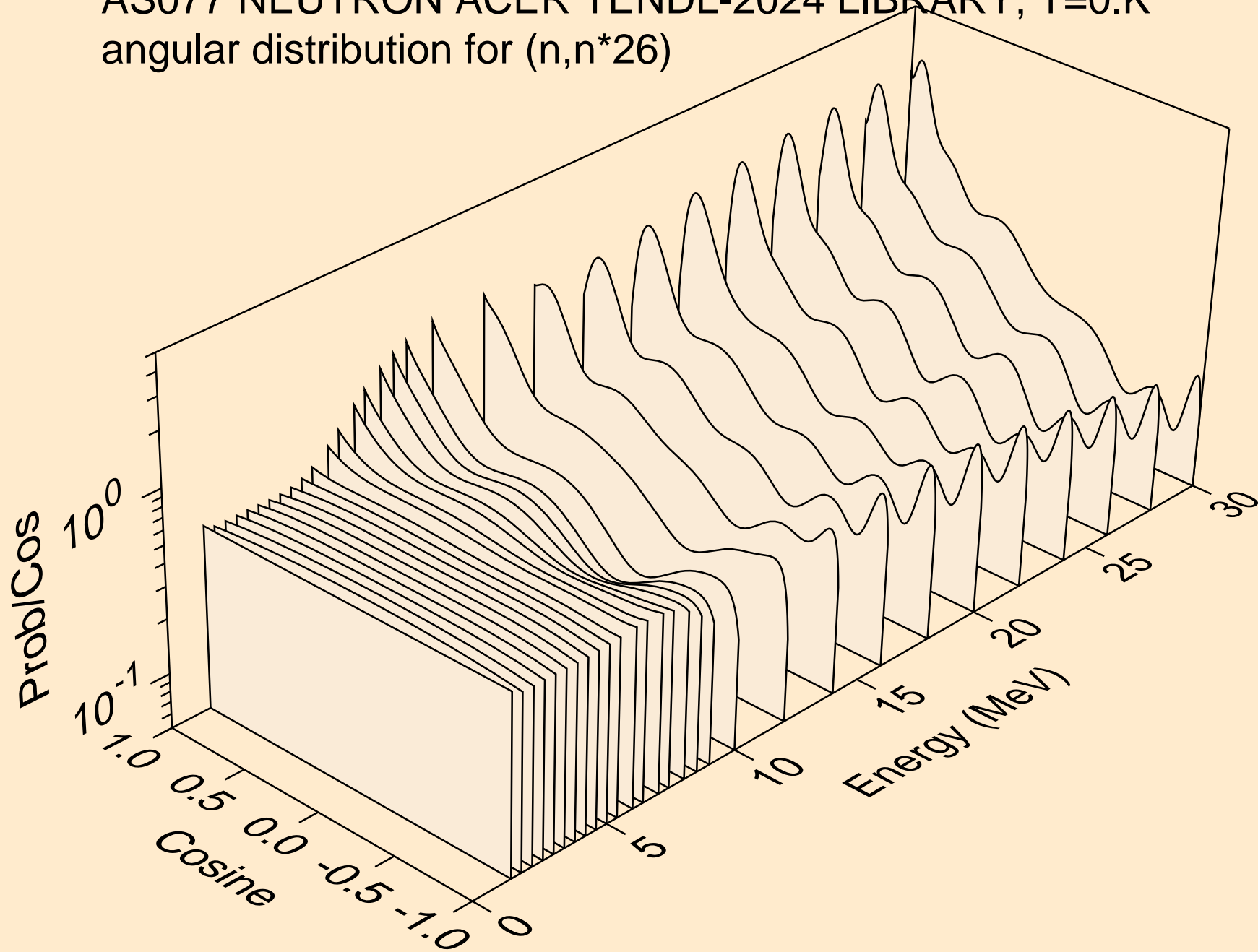
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*24)



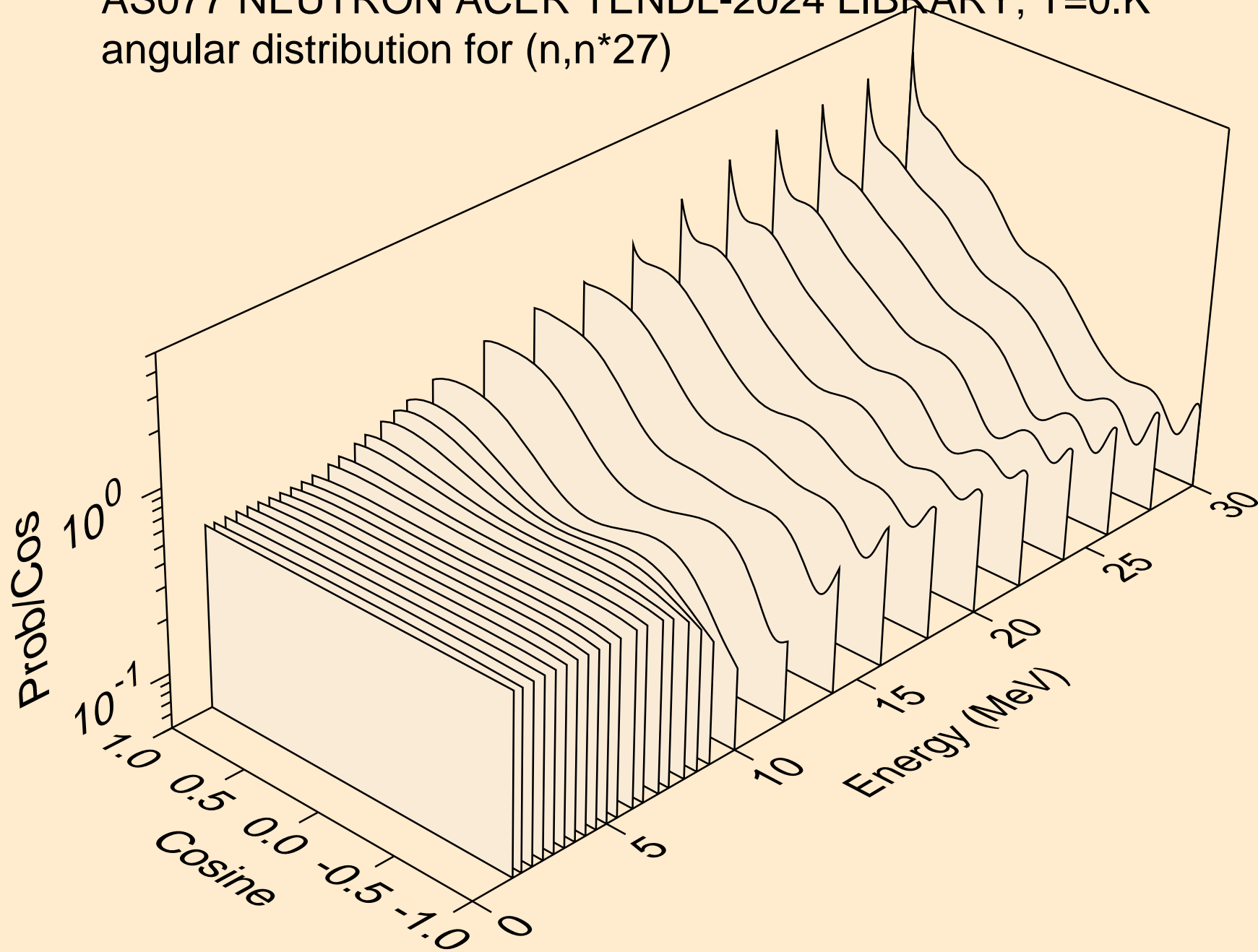
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*25)



AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)

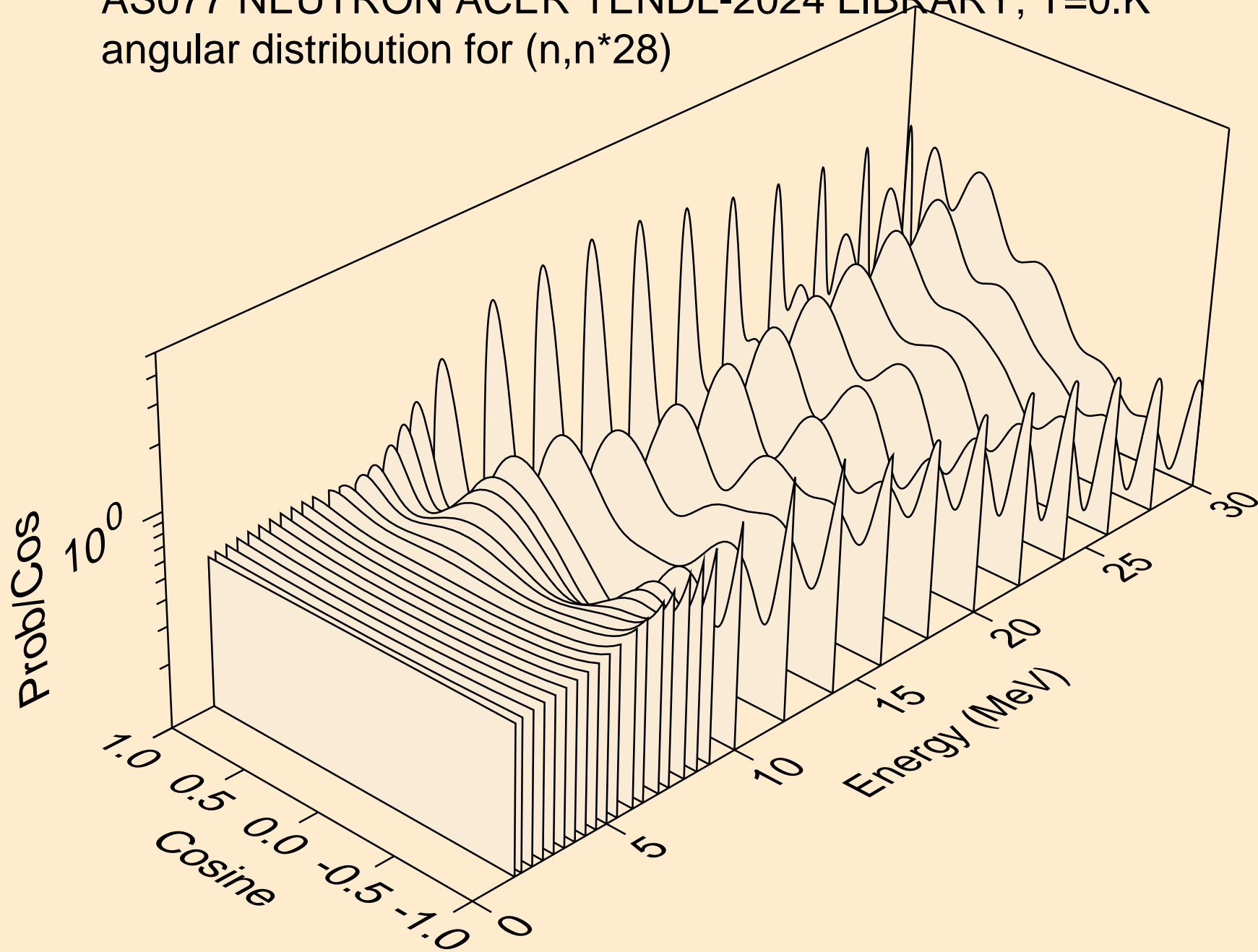


AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*27)

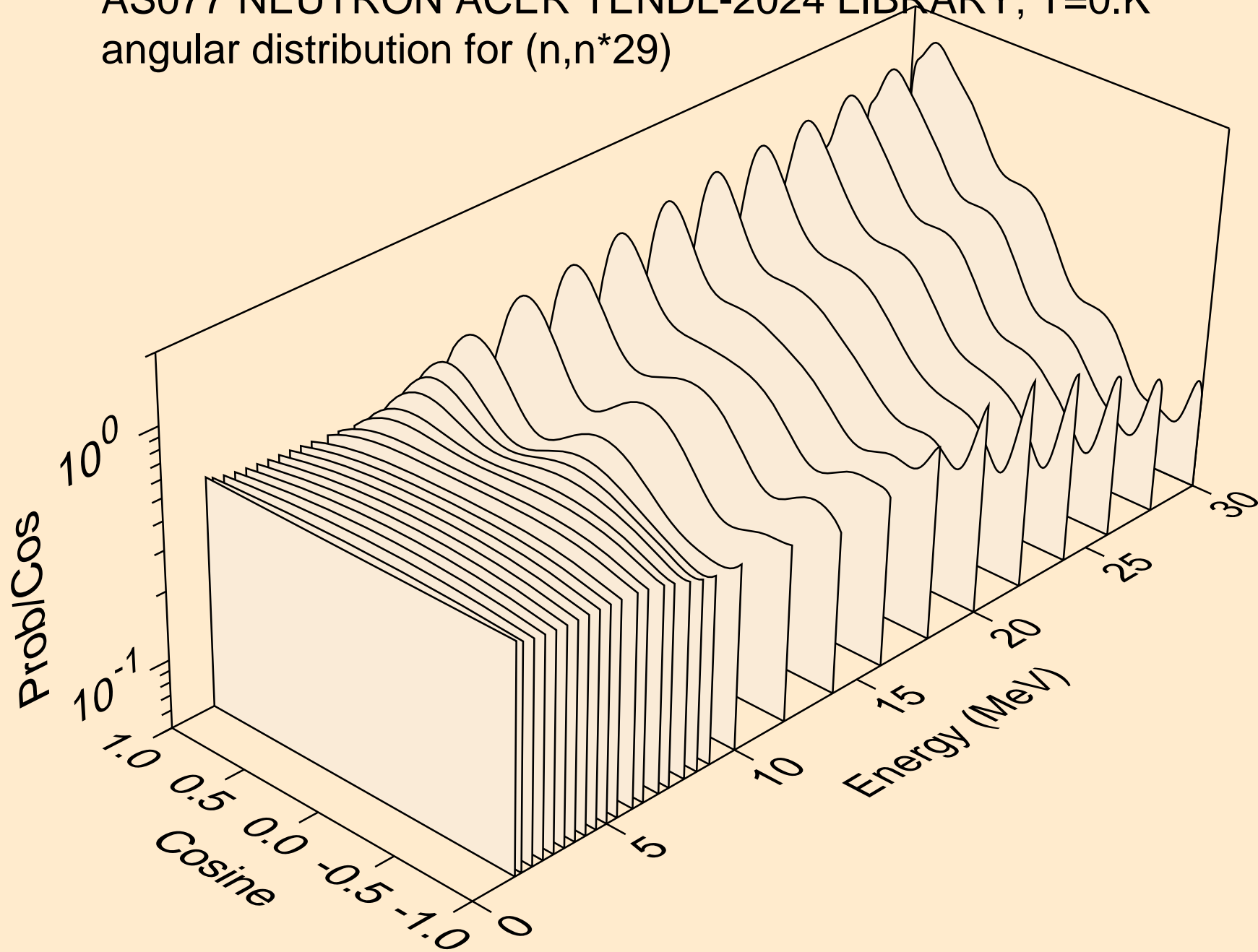




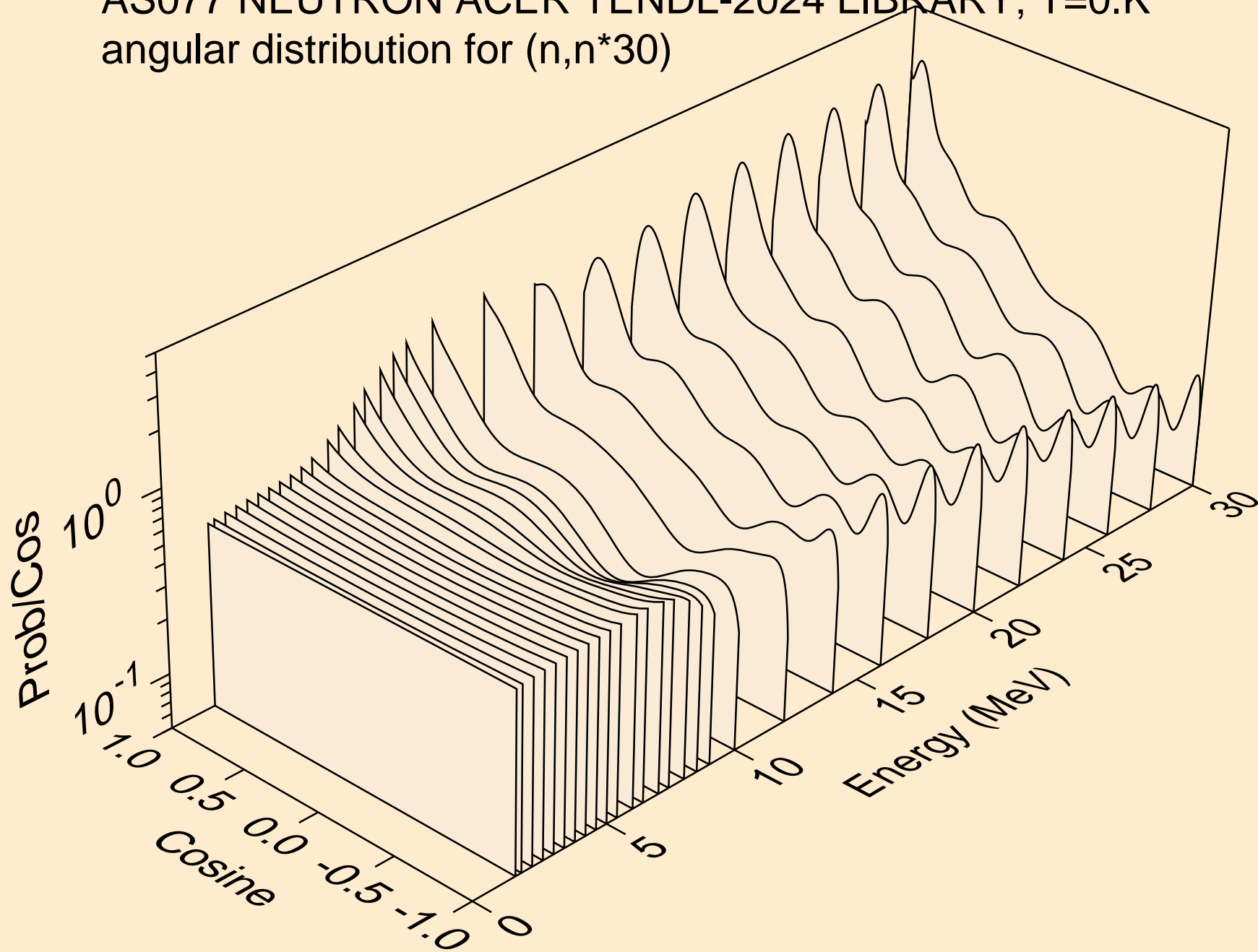
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angular distribution for (n,n\*28)



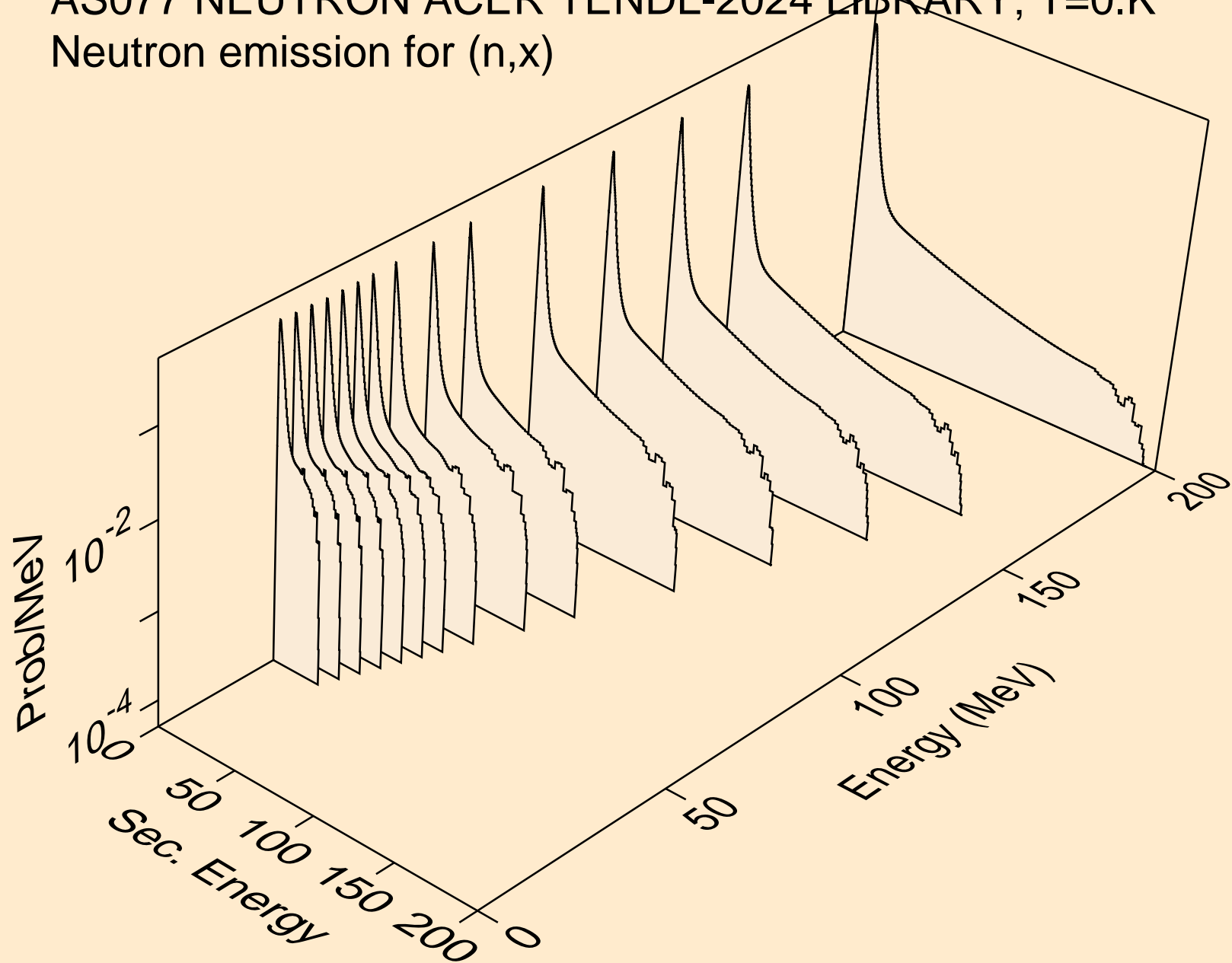
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angular distribution for (n,n\*29)



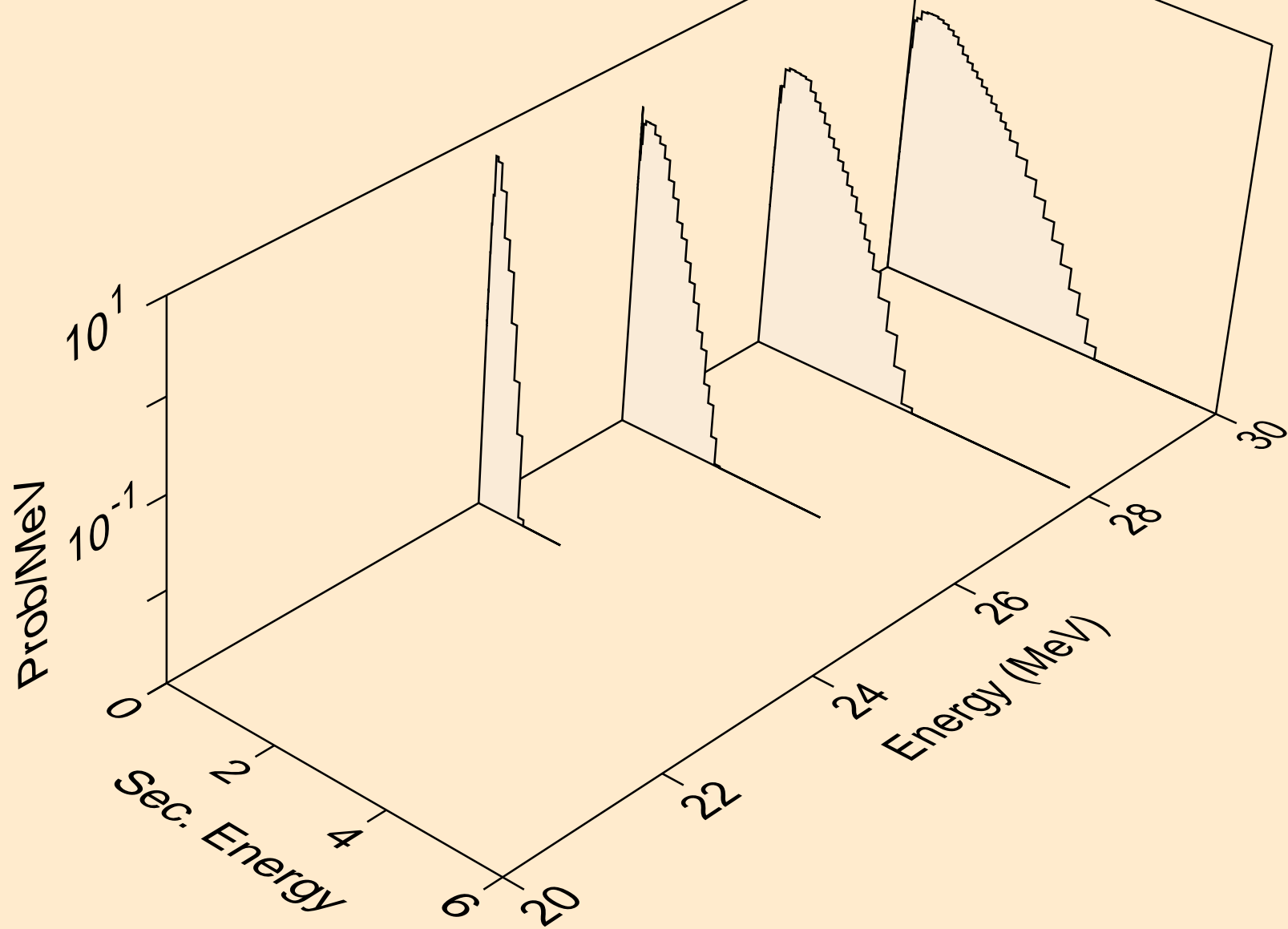
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angular distribution for (n,n\*30)



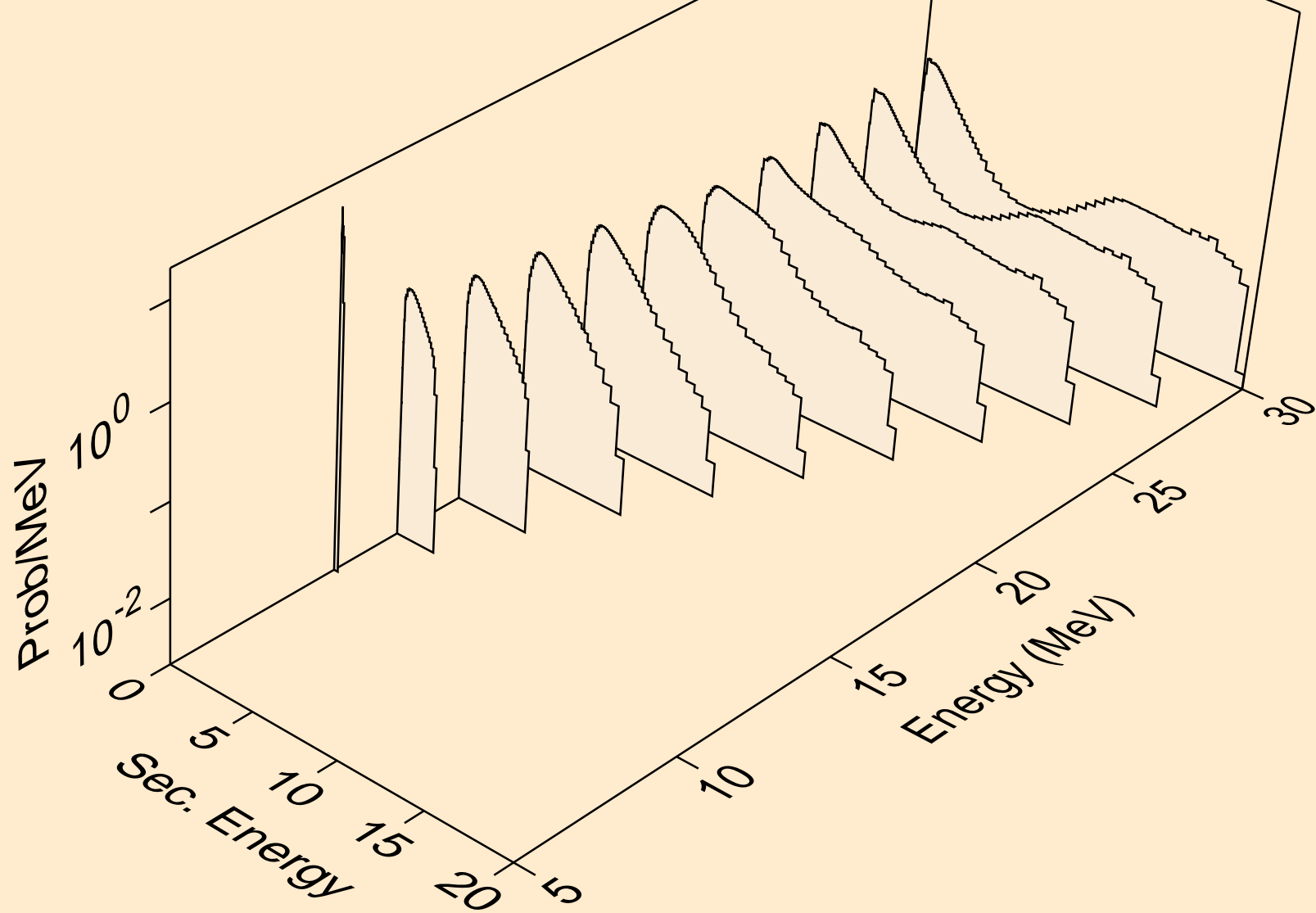
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



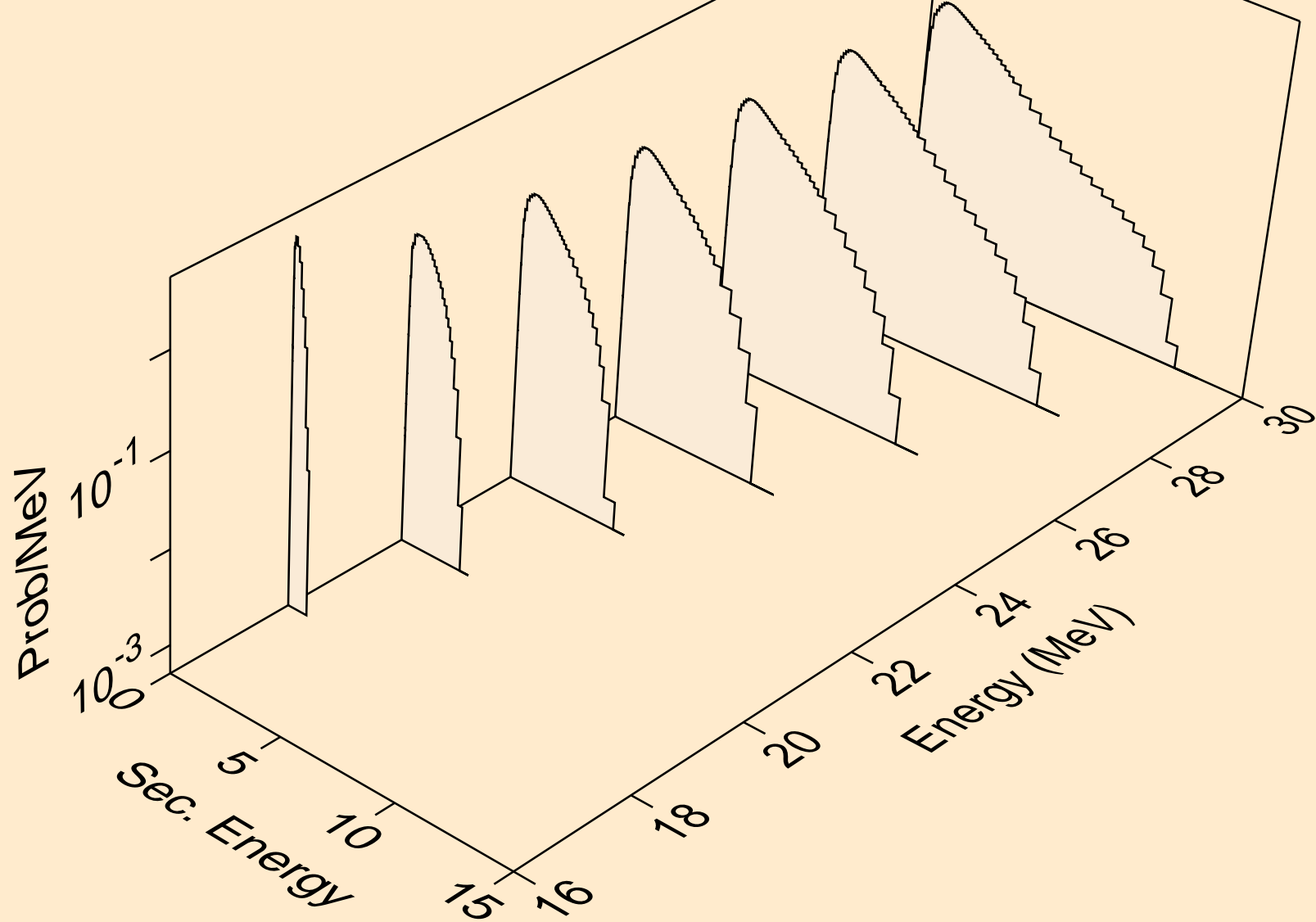
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



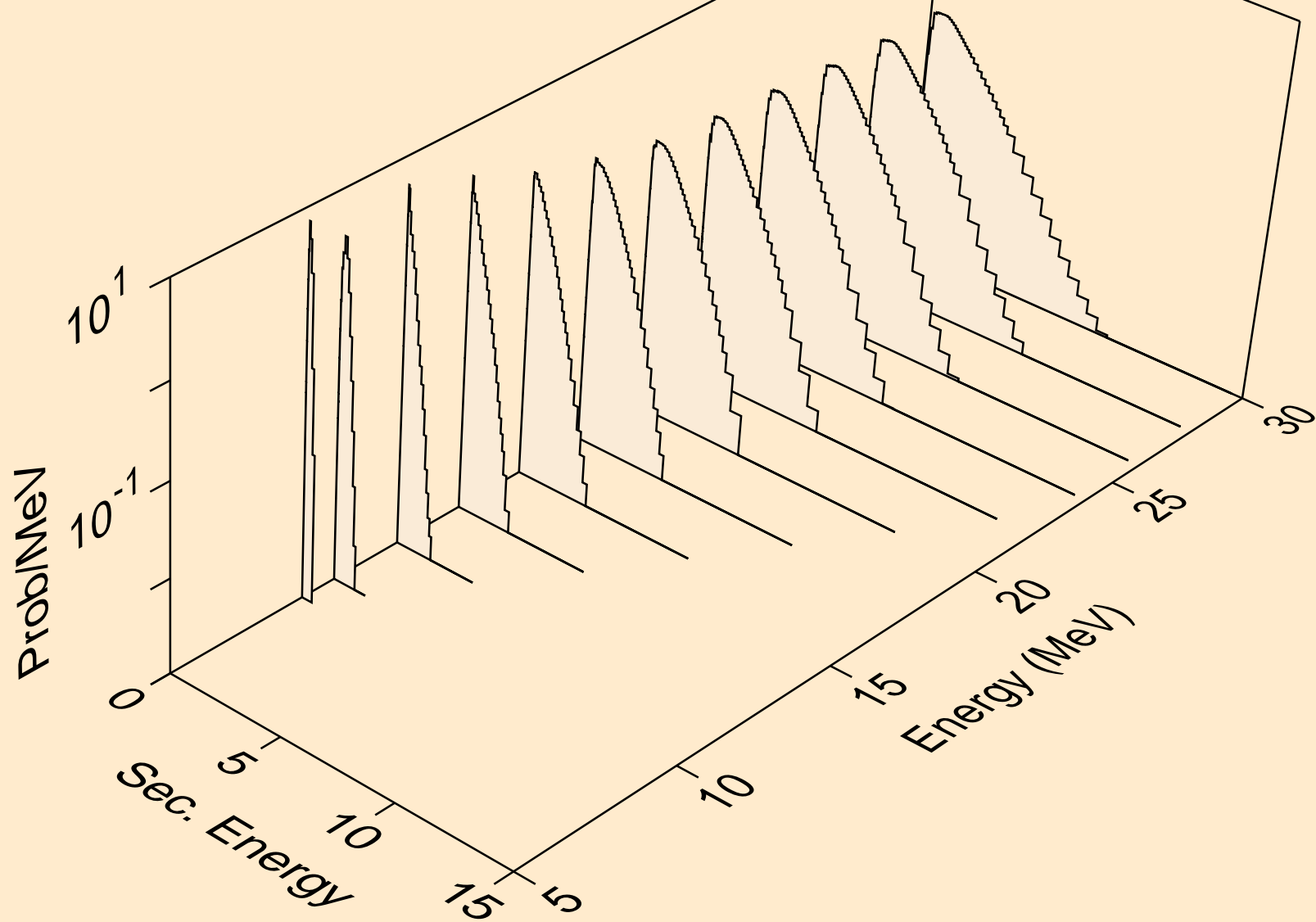
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)

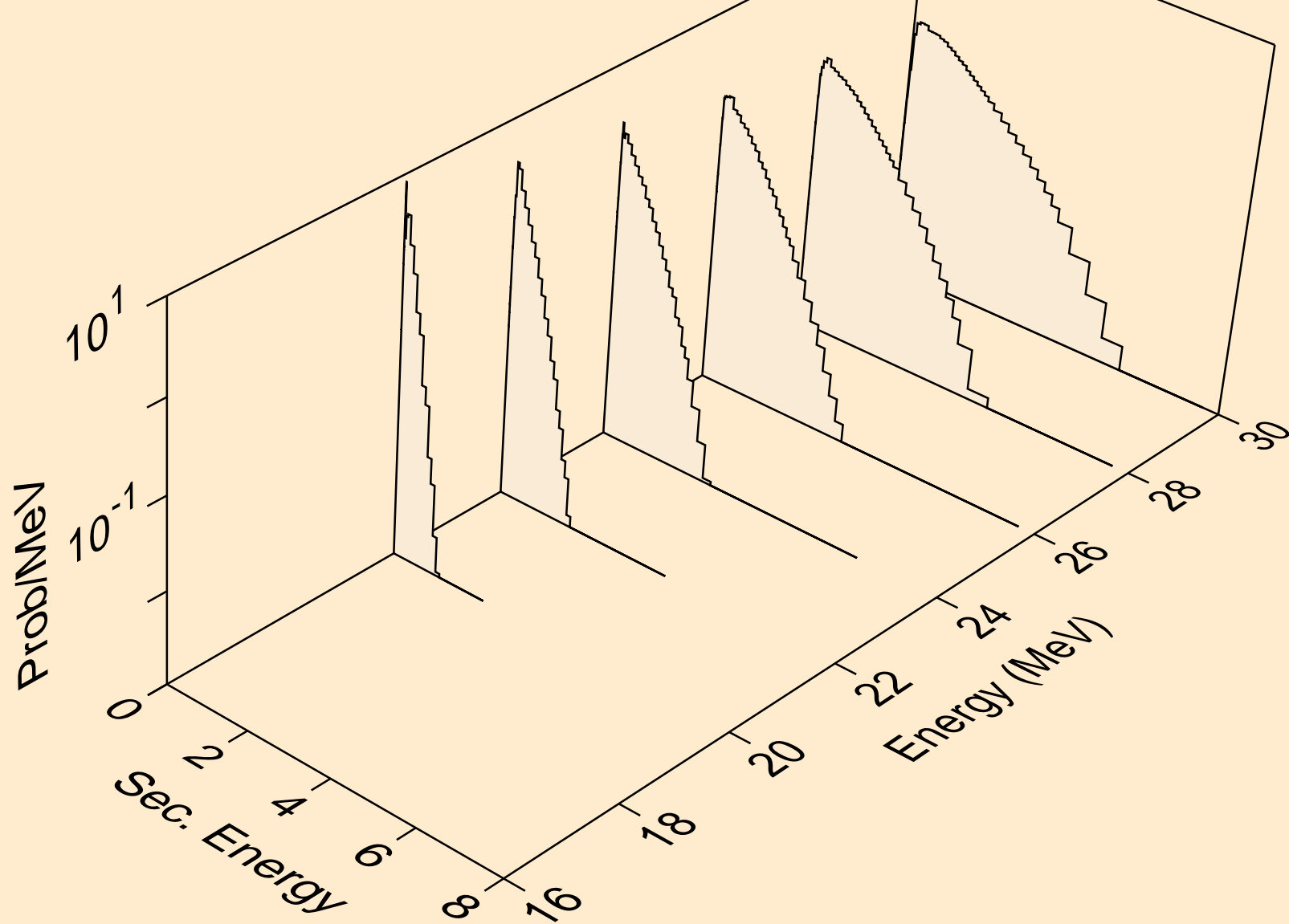


AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

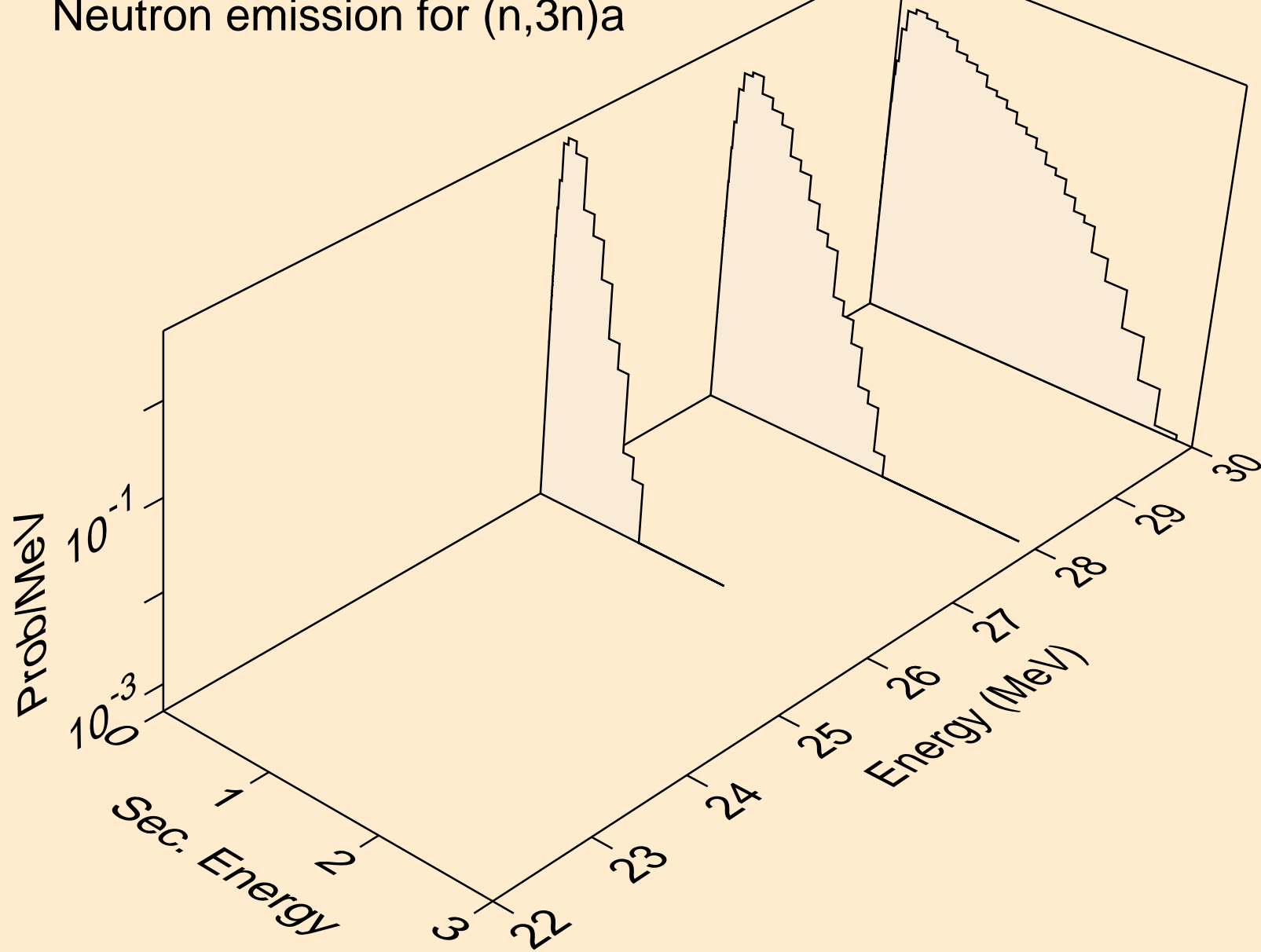




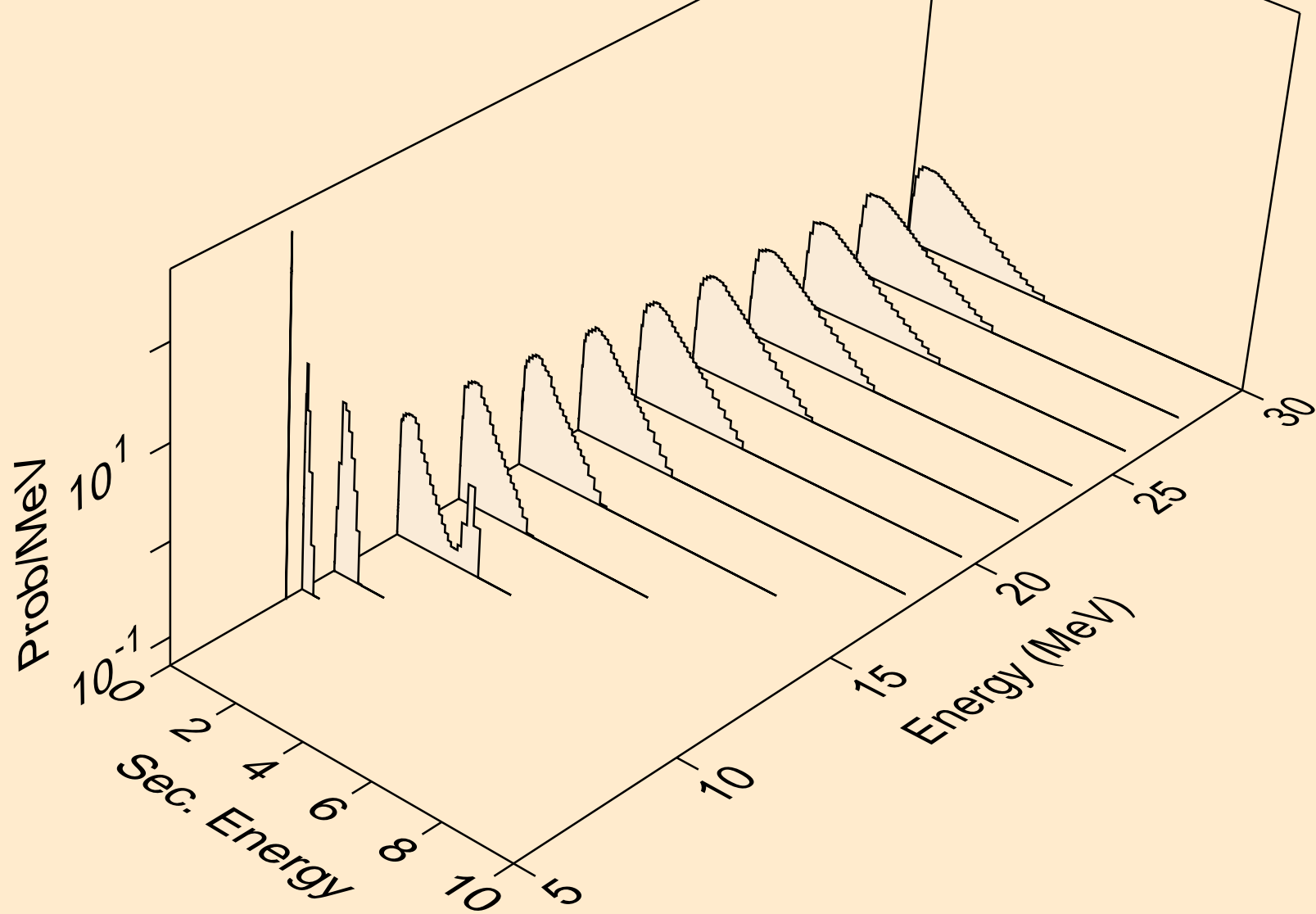
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Neutron emission for (n,2n)a



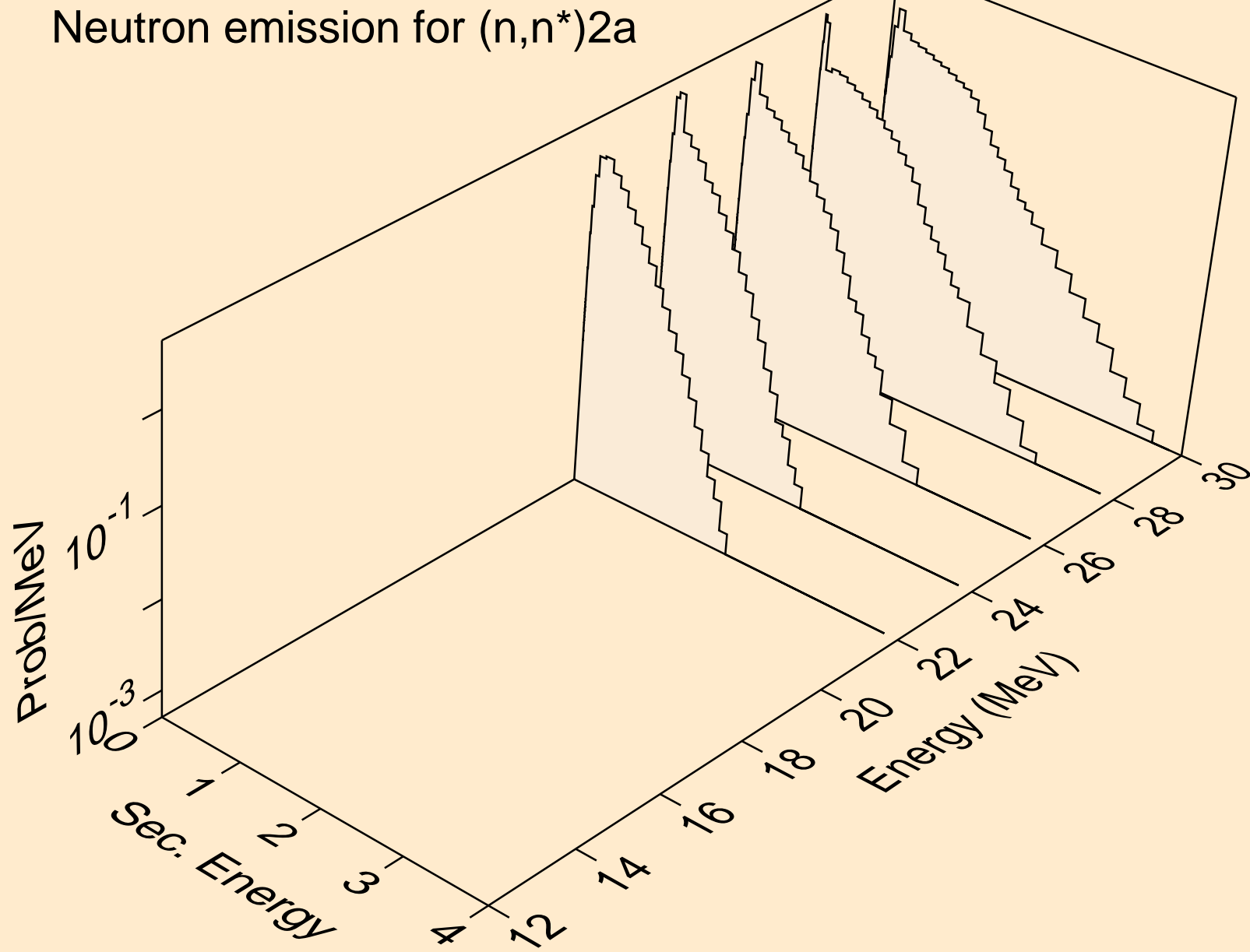
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



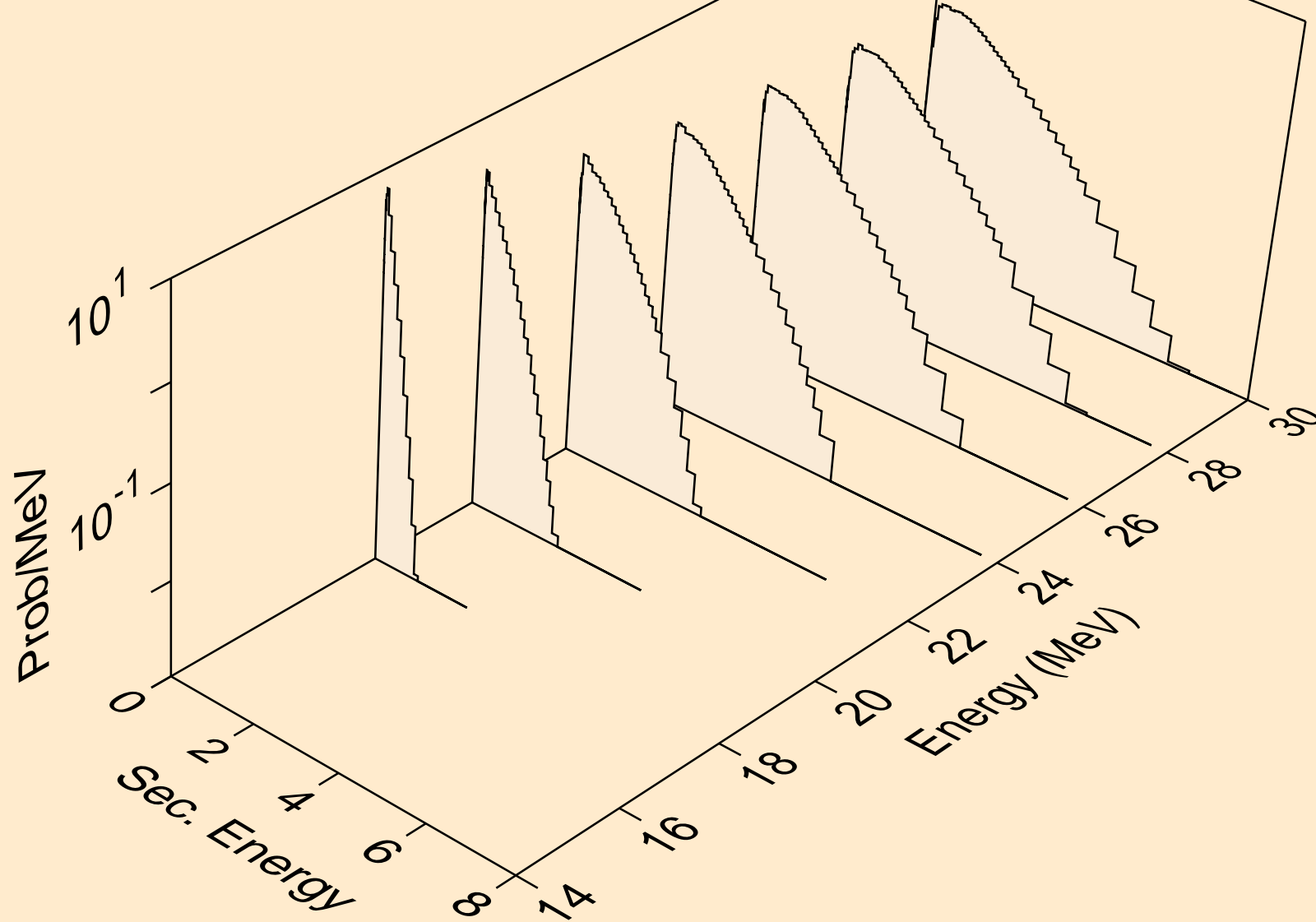
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



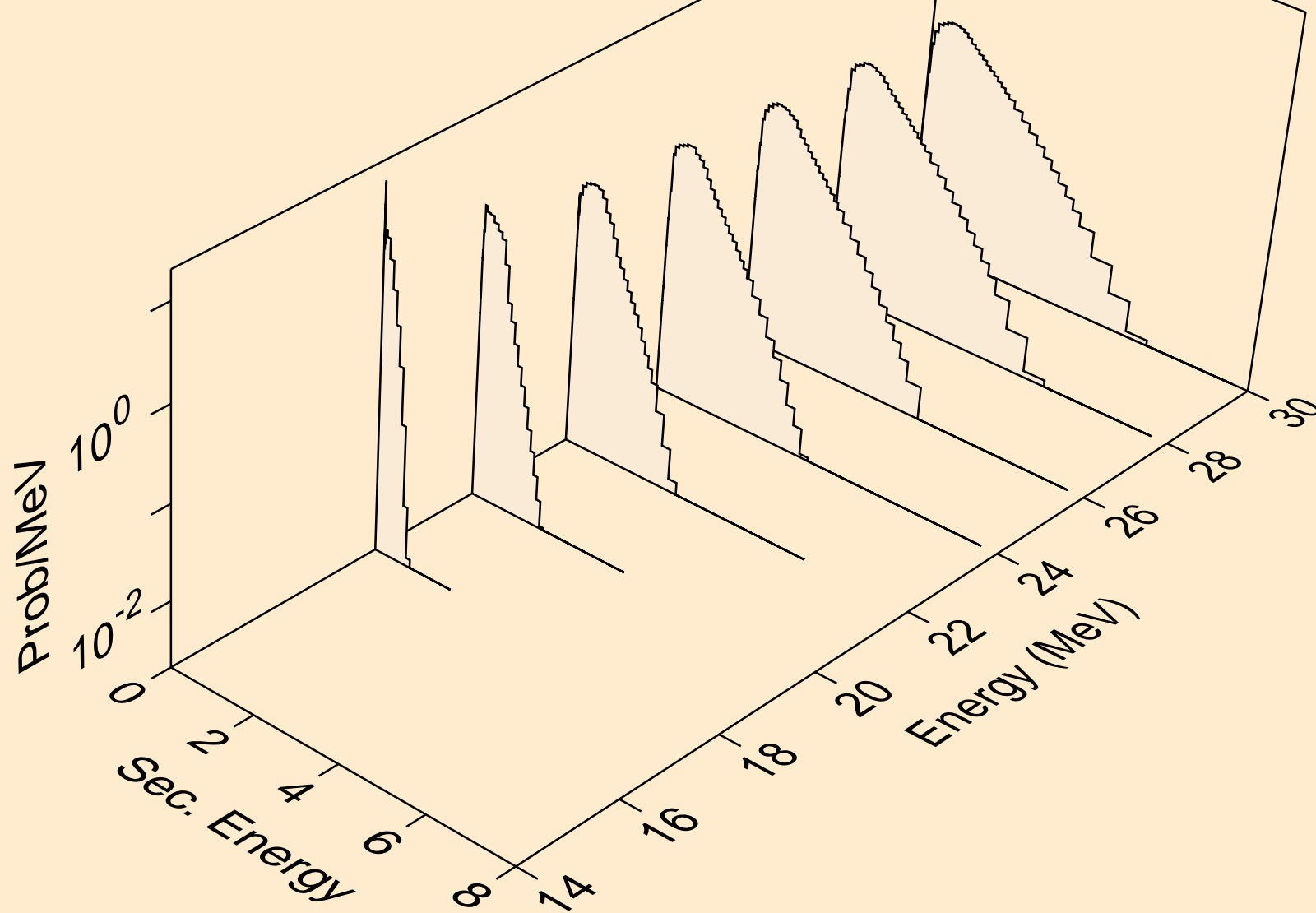
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



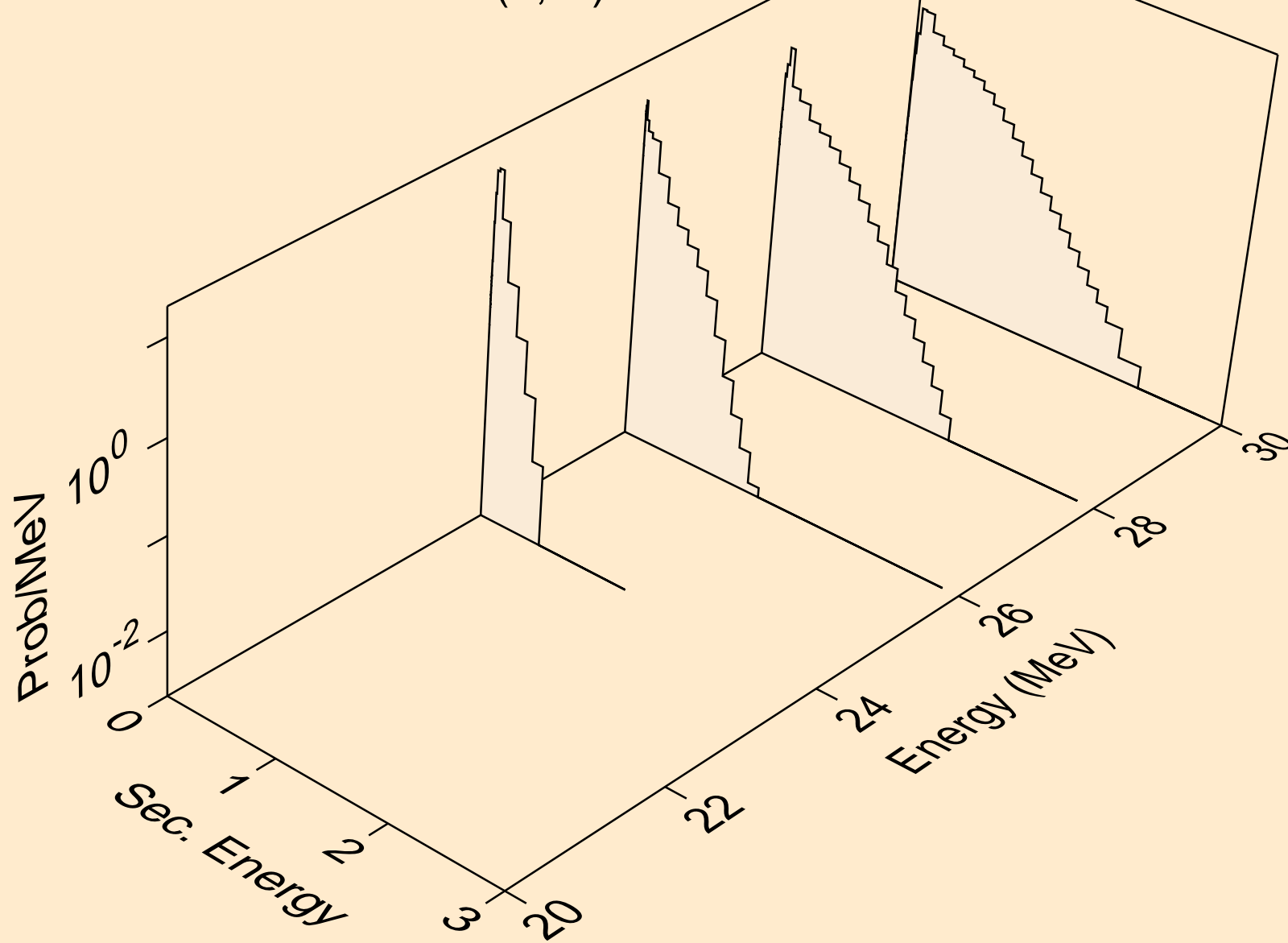
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Neutron emission for (n,n\*)d



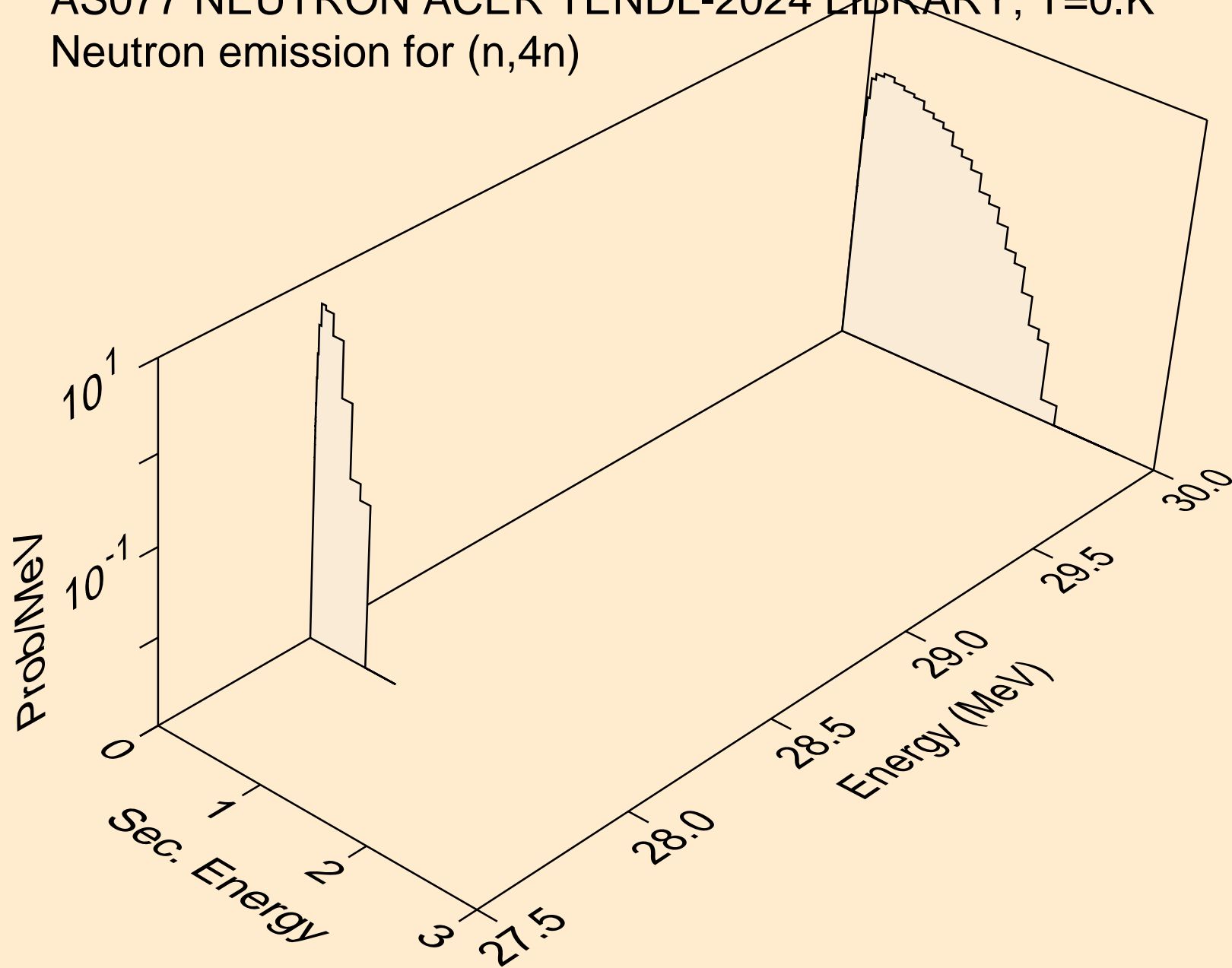
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3

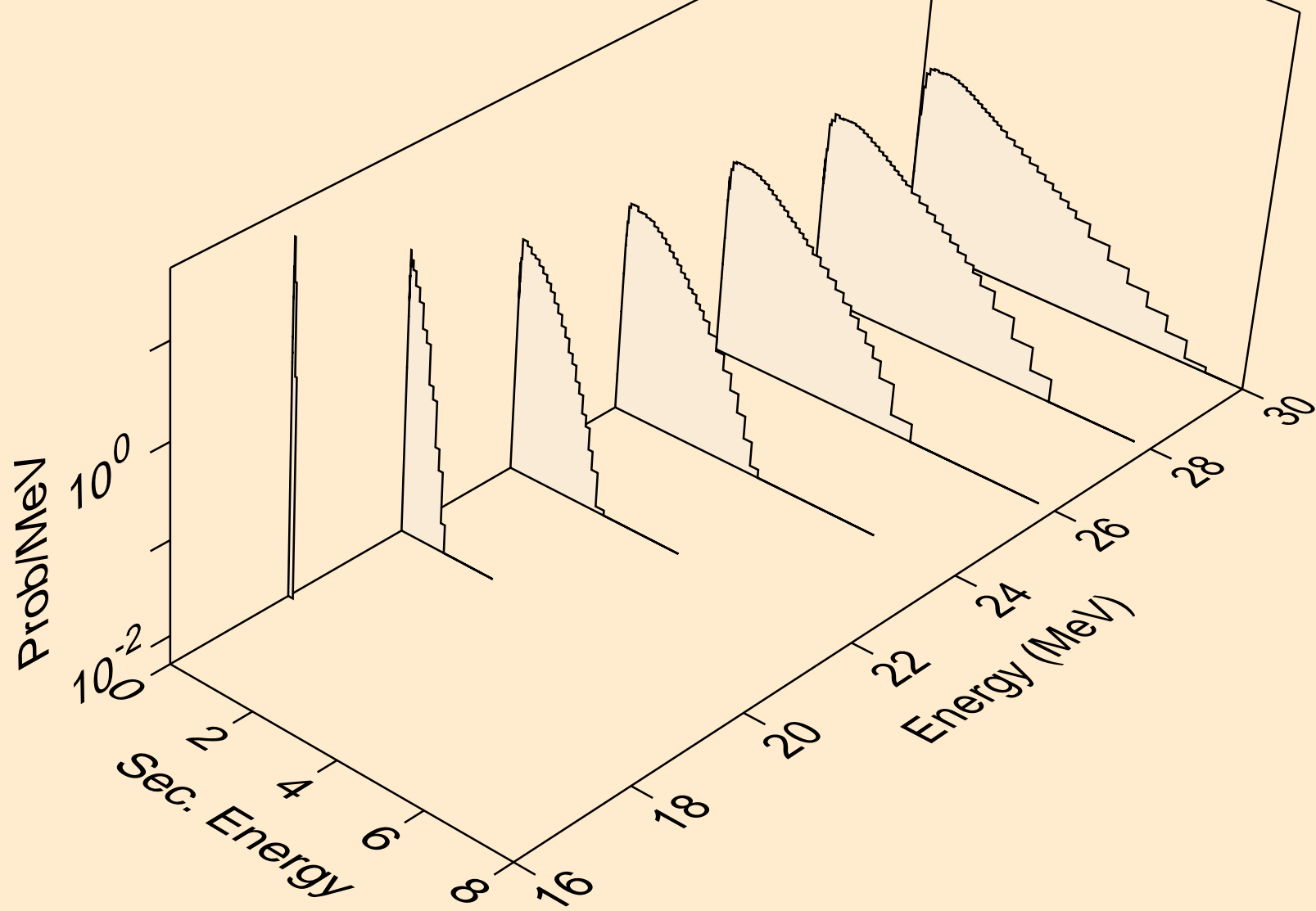


AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)

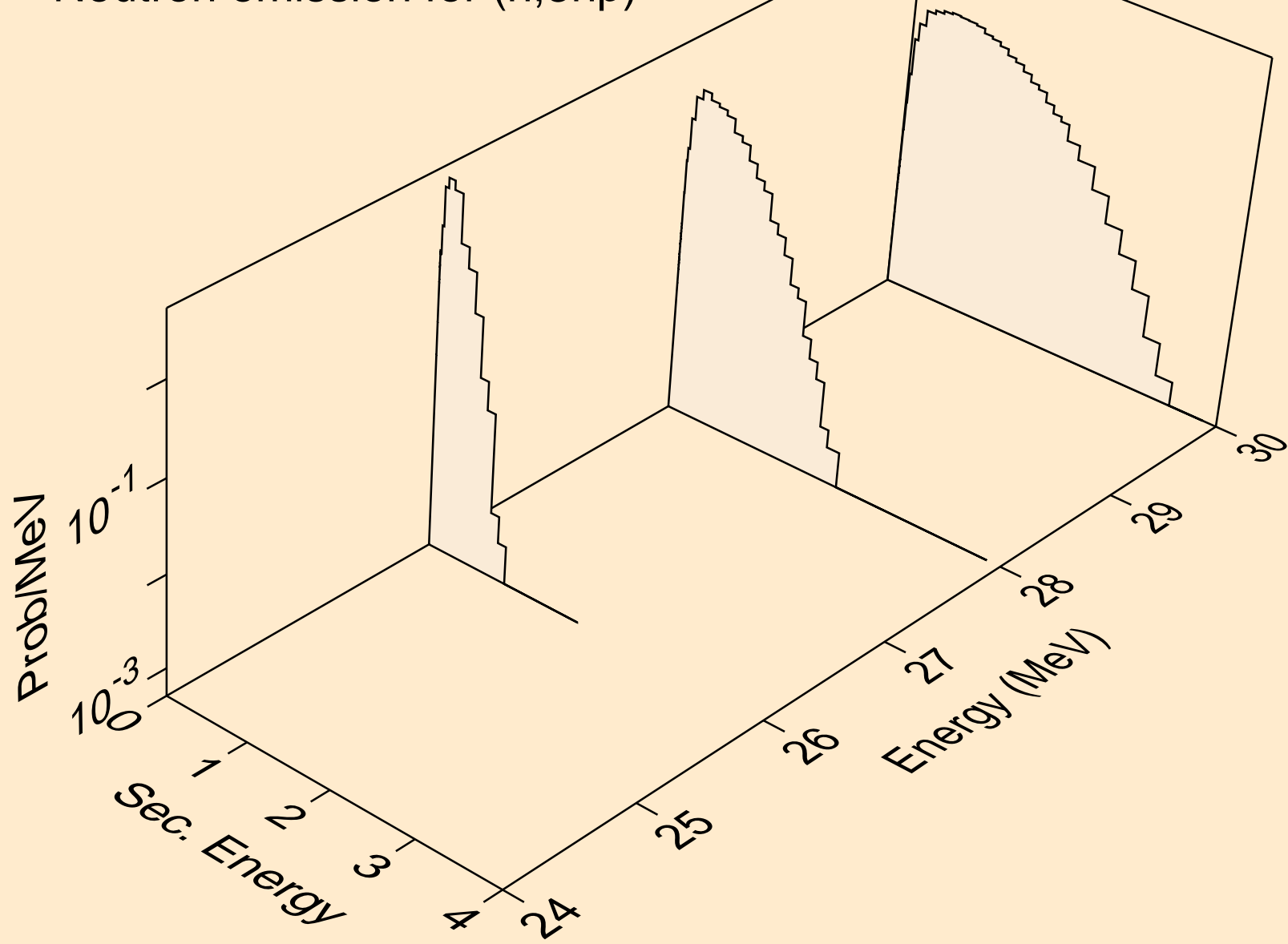




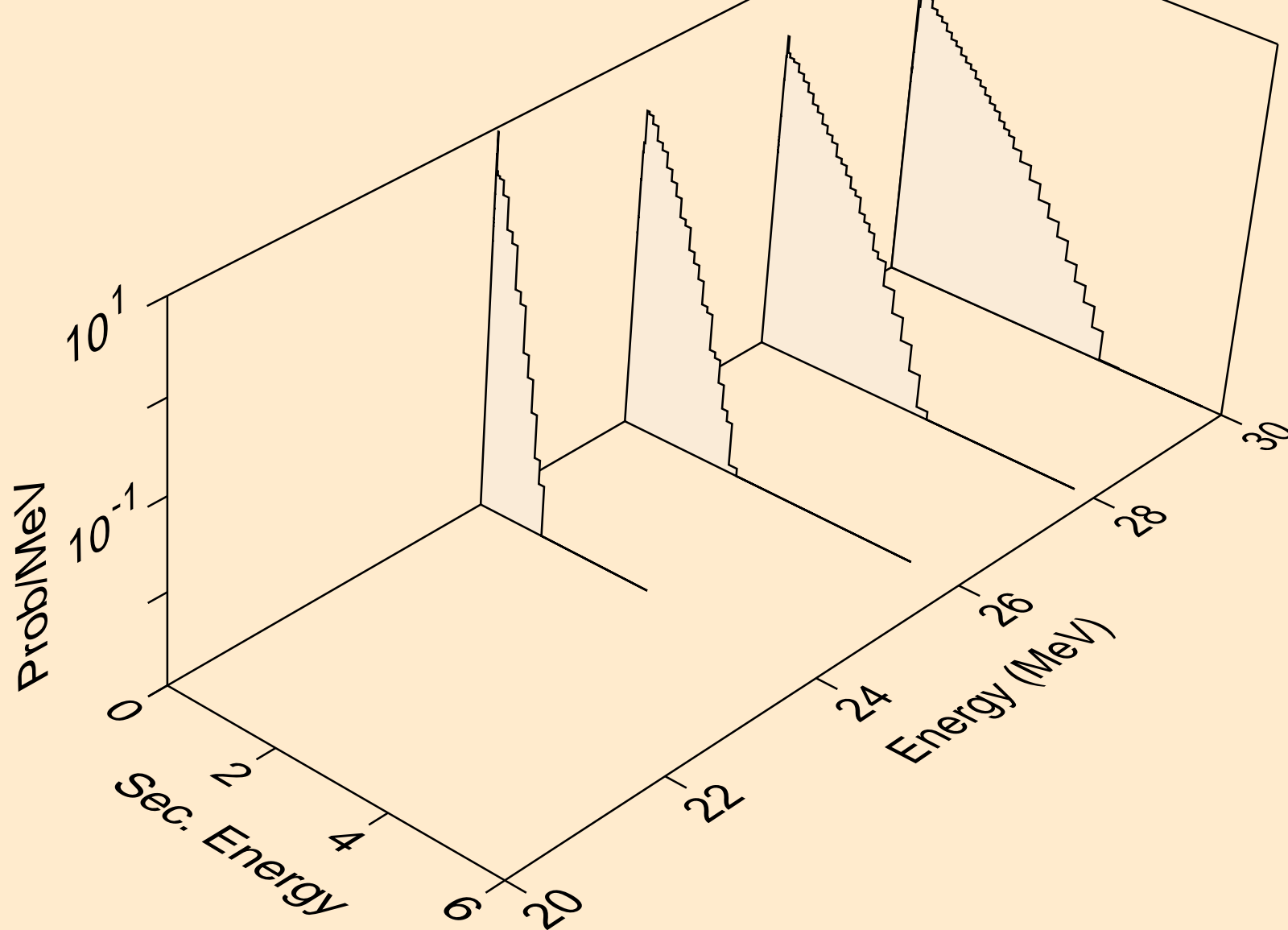
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Neutron emission for (n,2np)



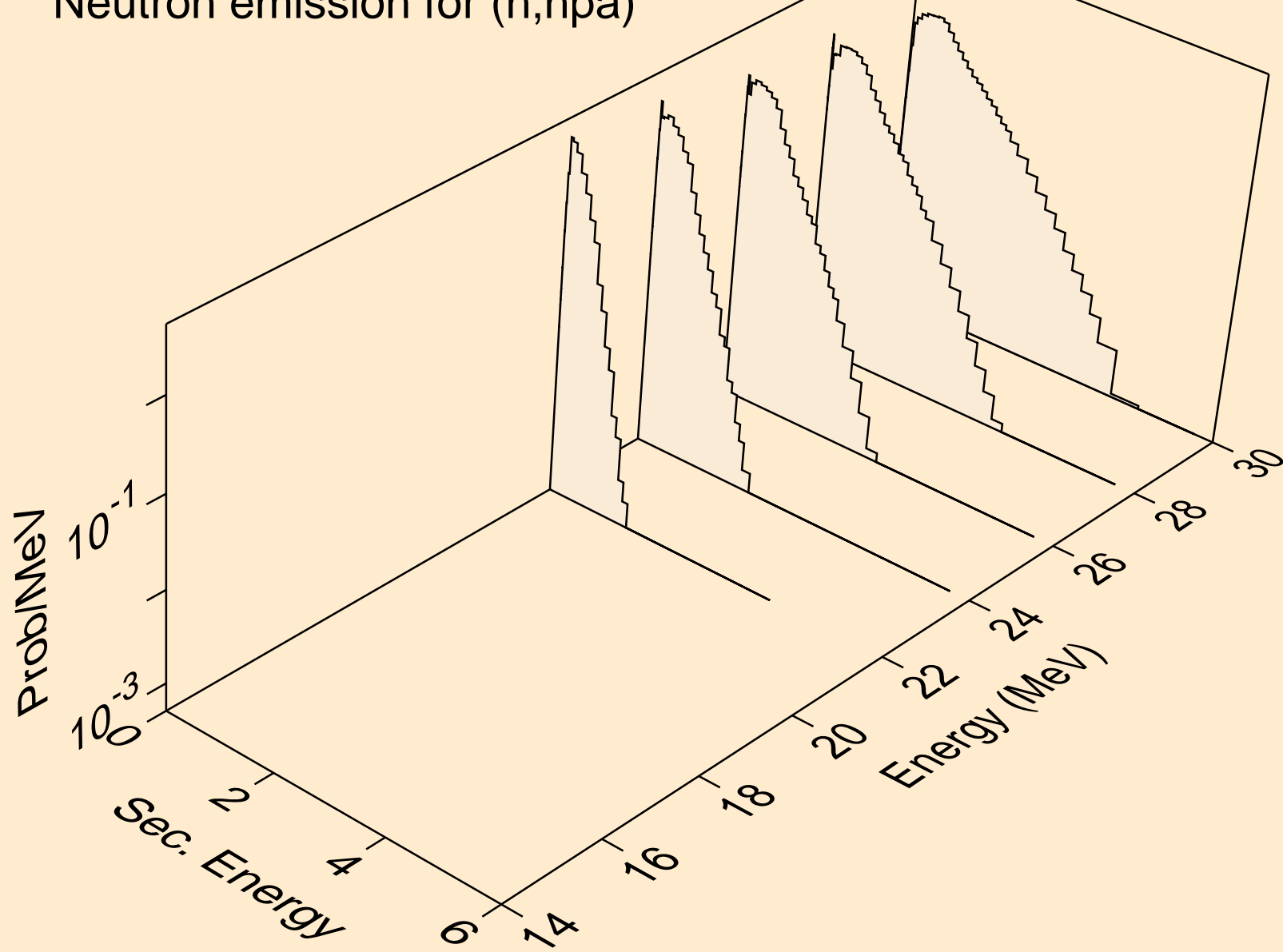
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Neutron emission for (n,3np)



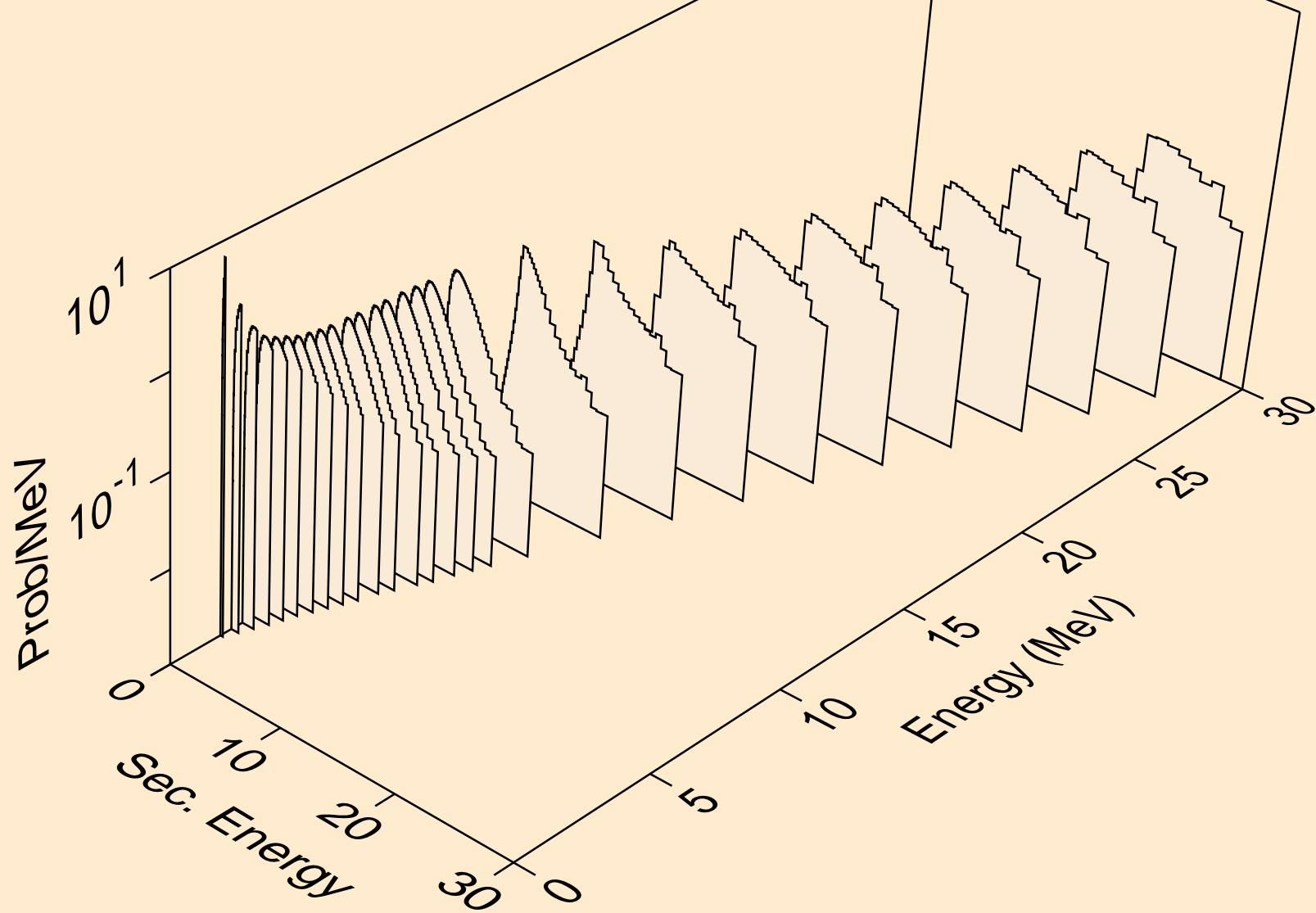
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Neutron emission for (n,n2p)



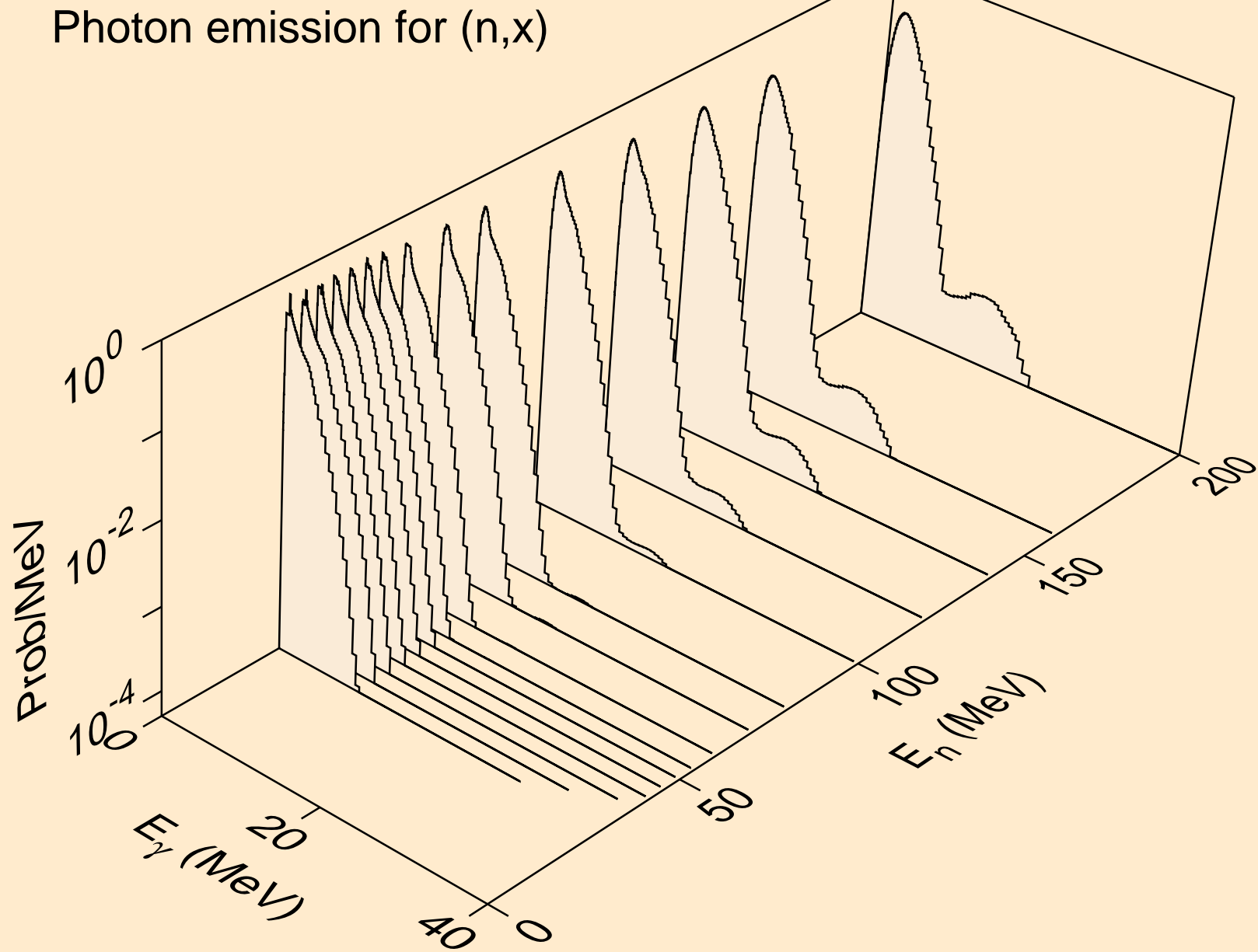
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Neutron emission for (n,npa)



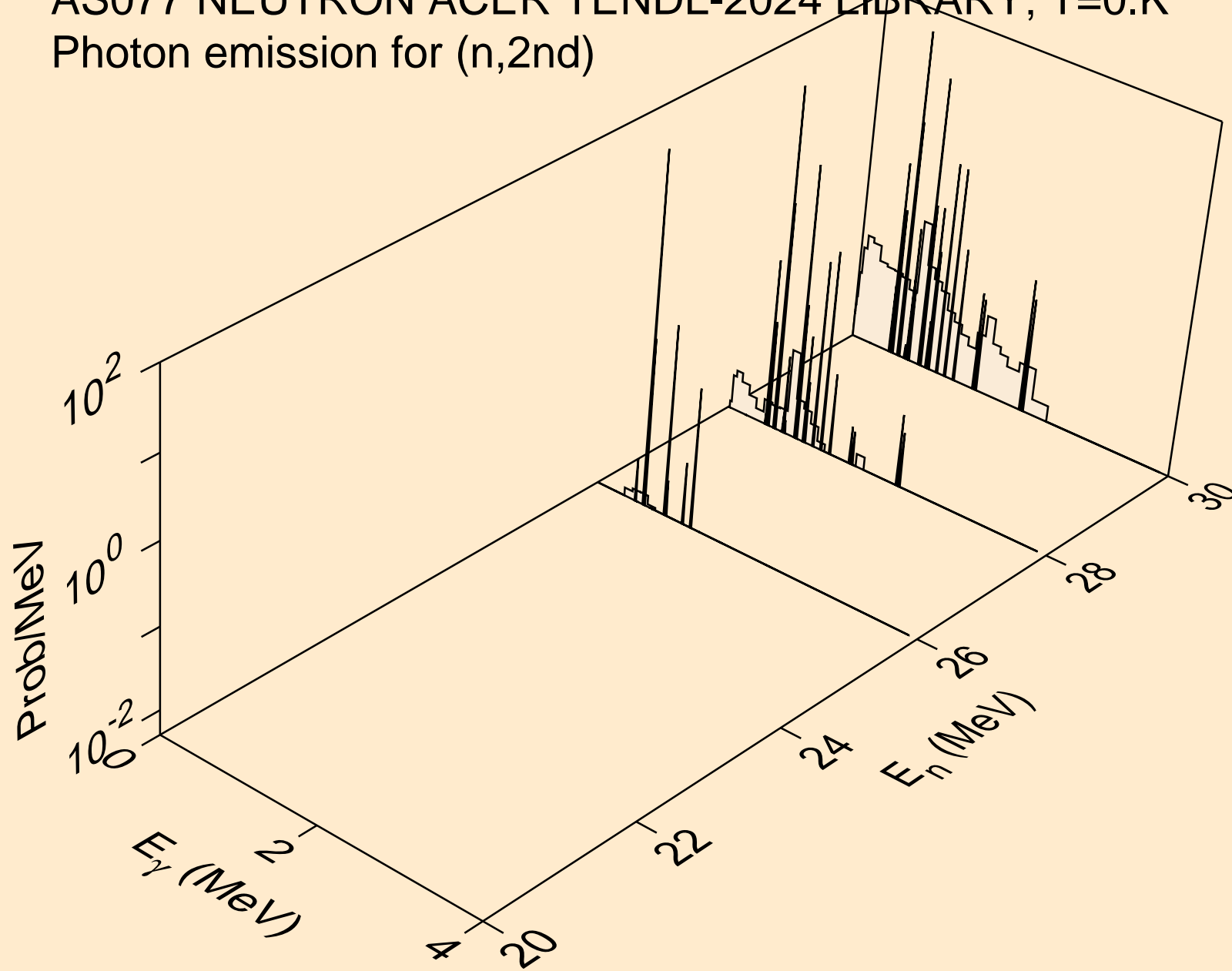
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Neutron emission for (n,n\*c)



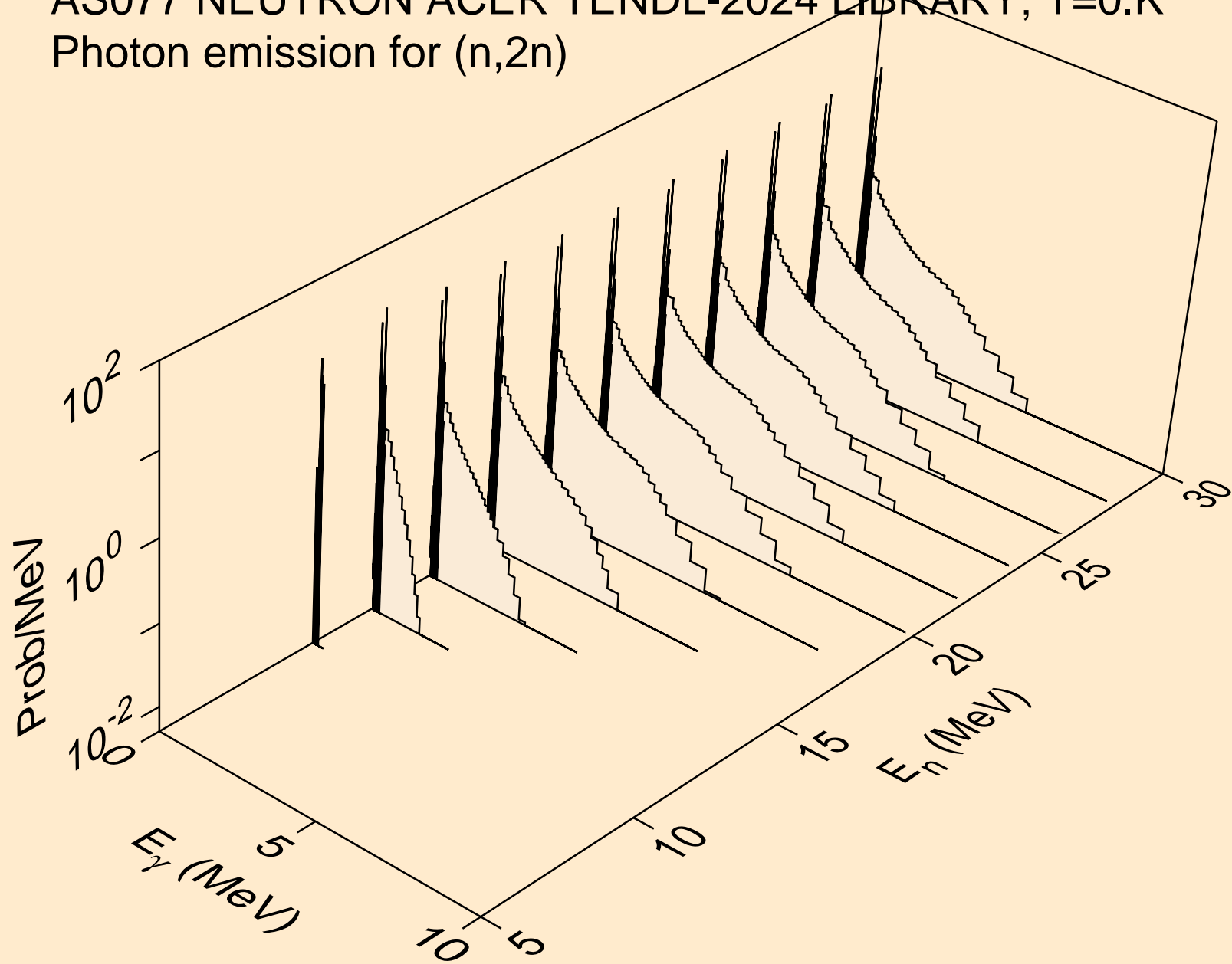
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)

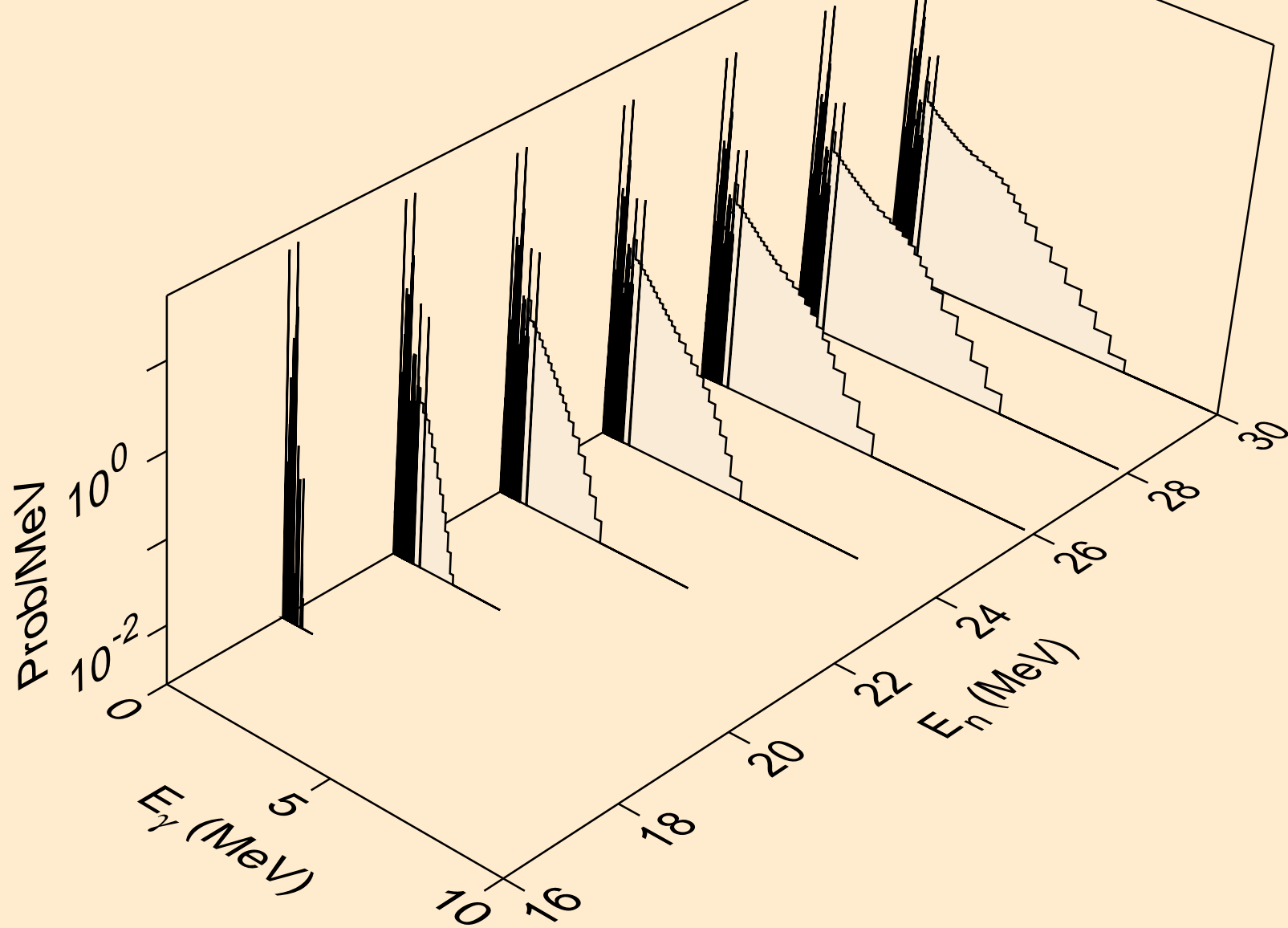


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Photon emission for (n,2n)

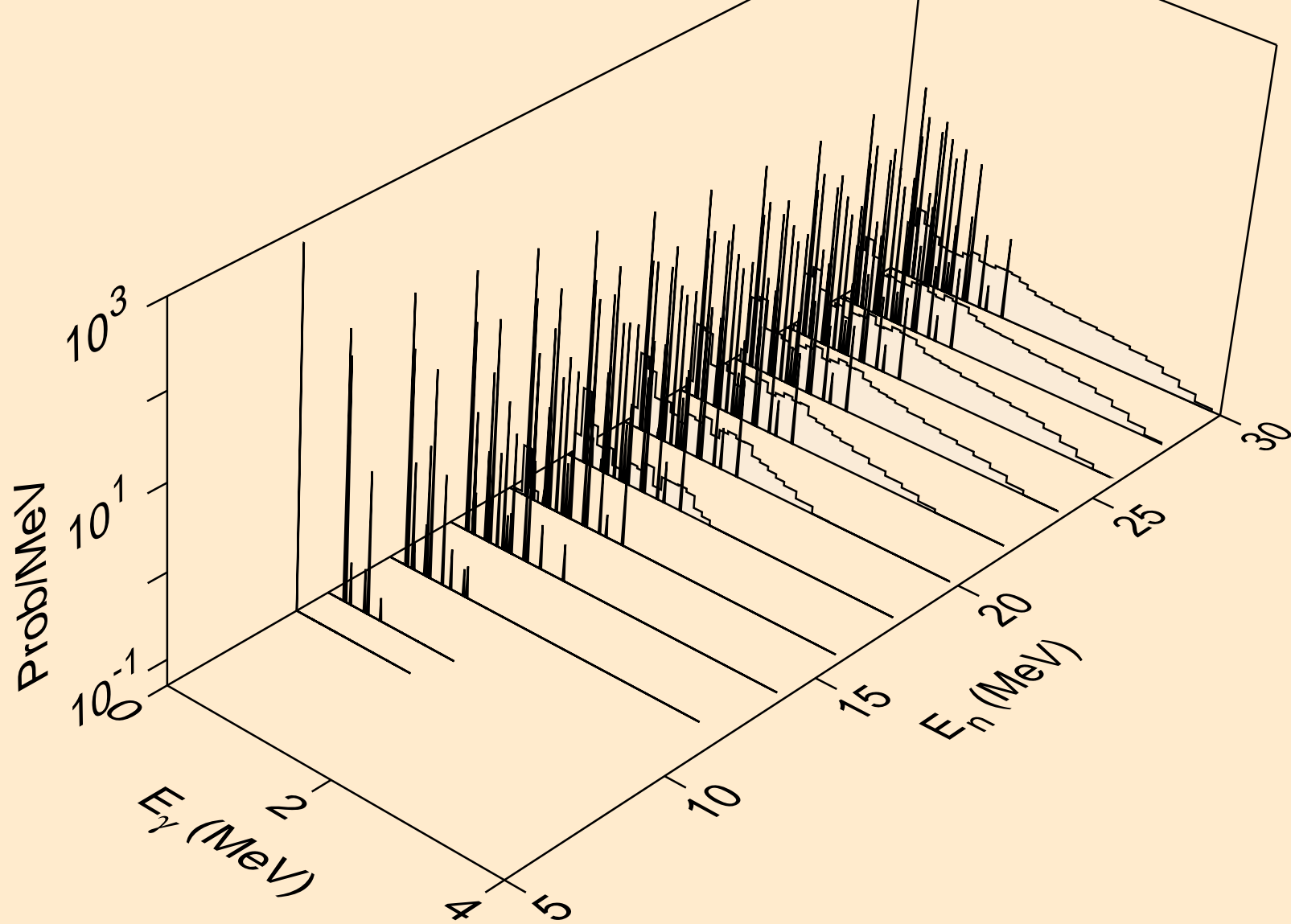




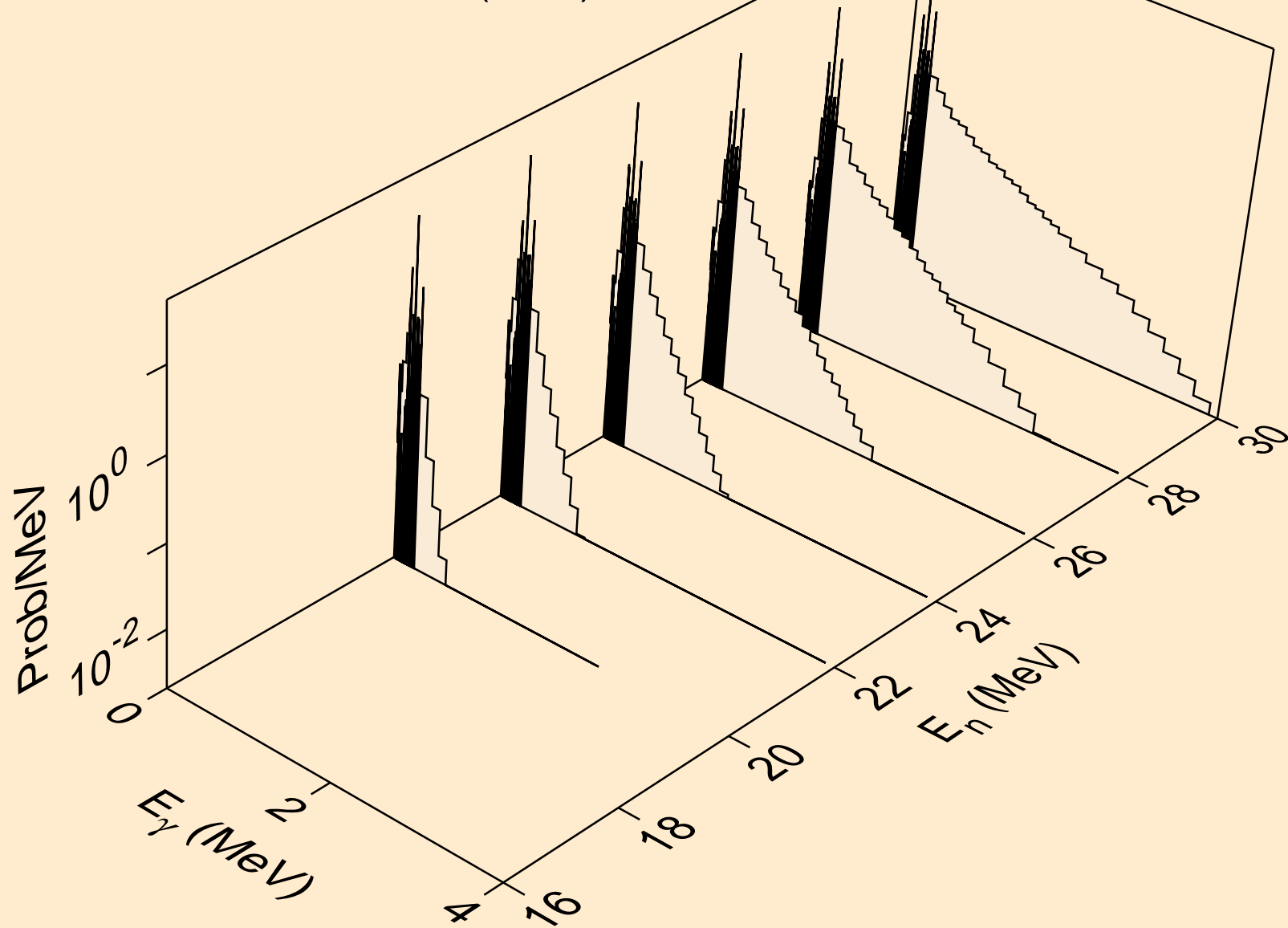
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Photon emission for (n,3n)



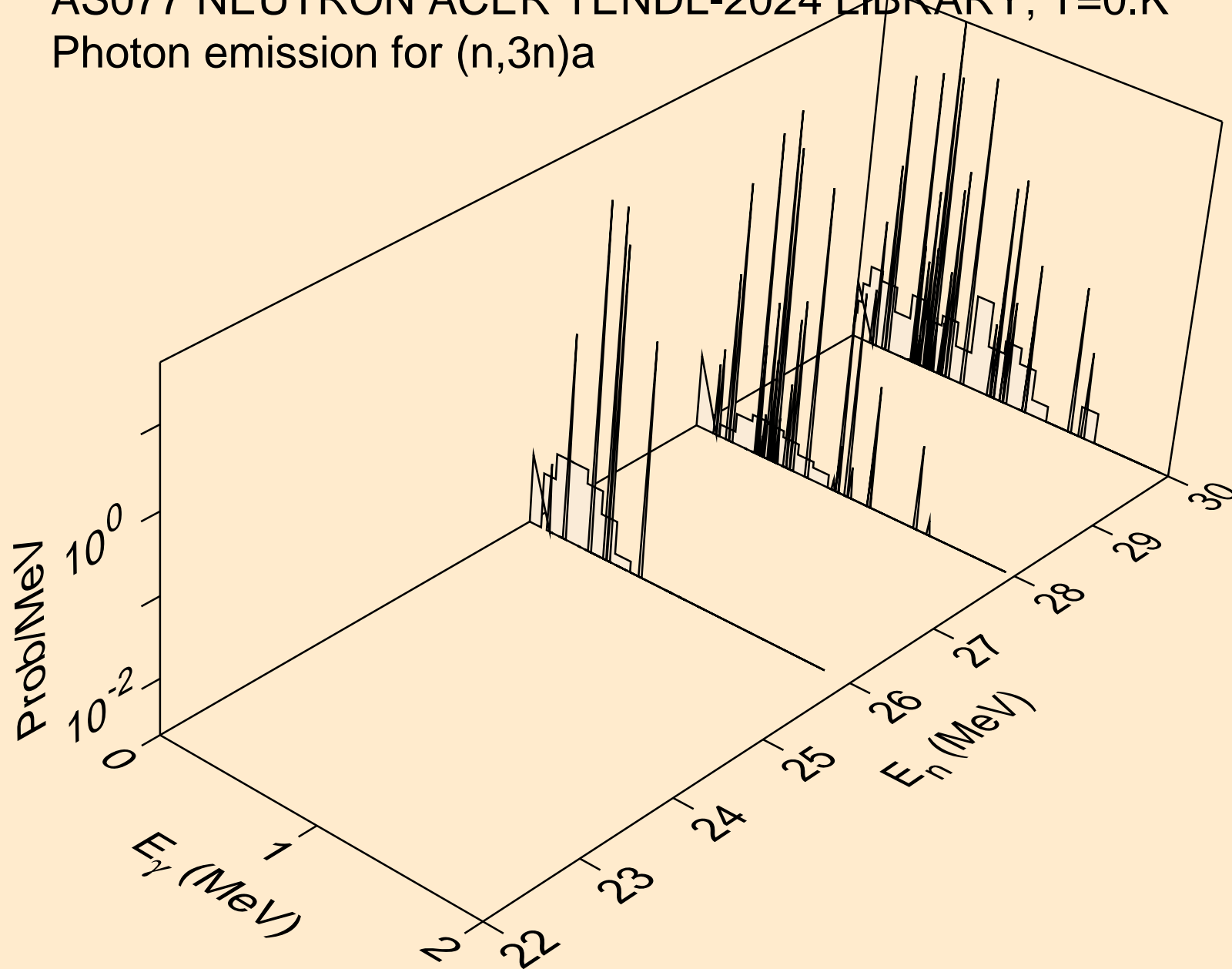
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Photon emission for (n,n\*)a



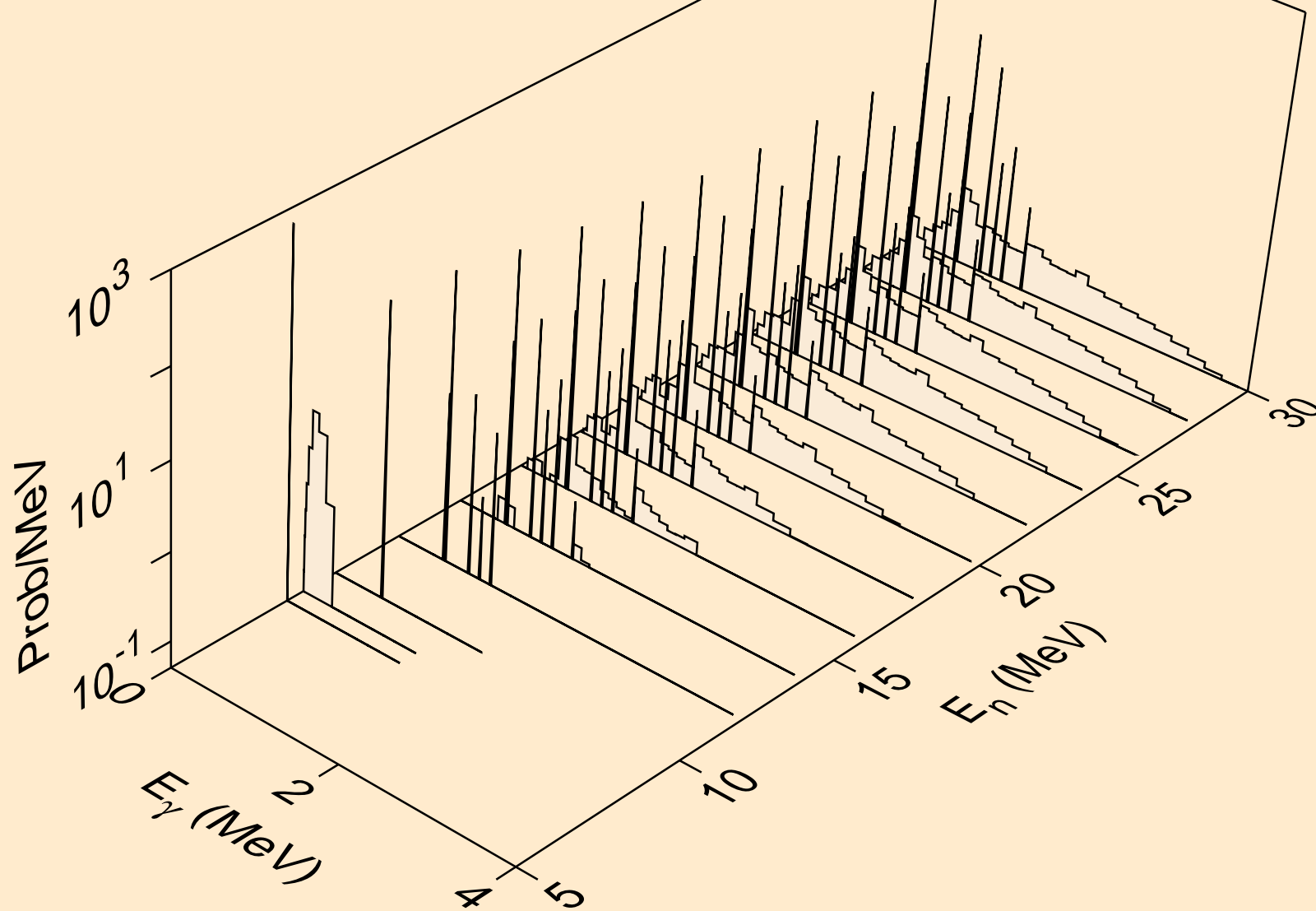
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Photon emission for (n,2n)a



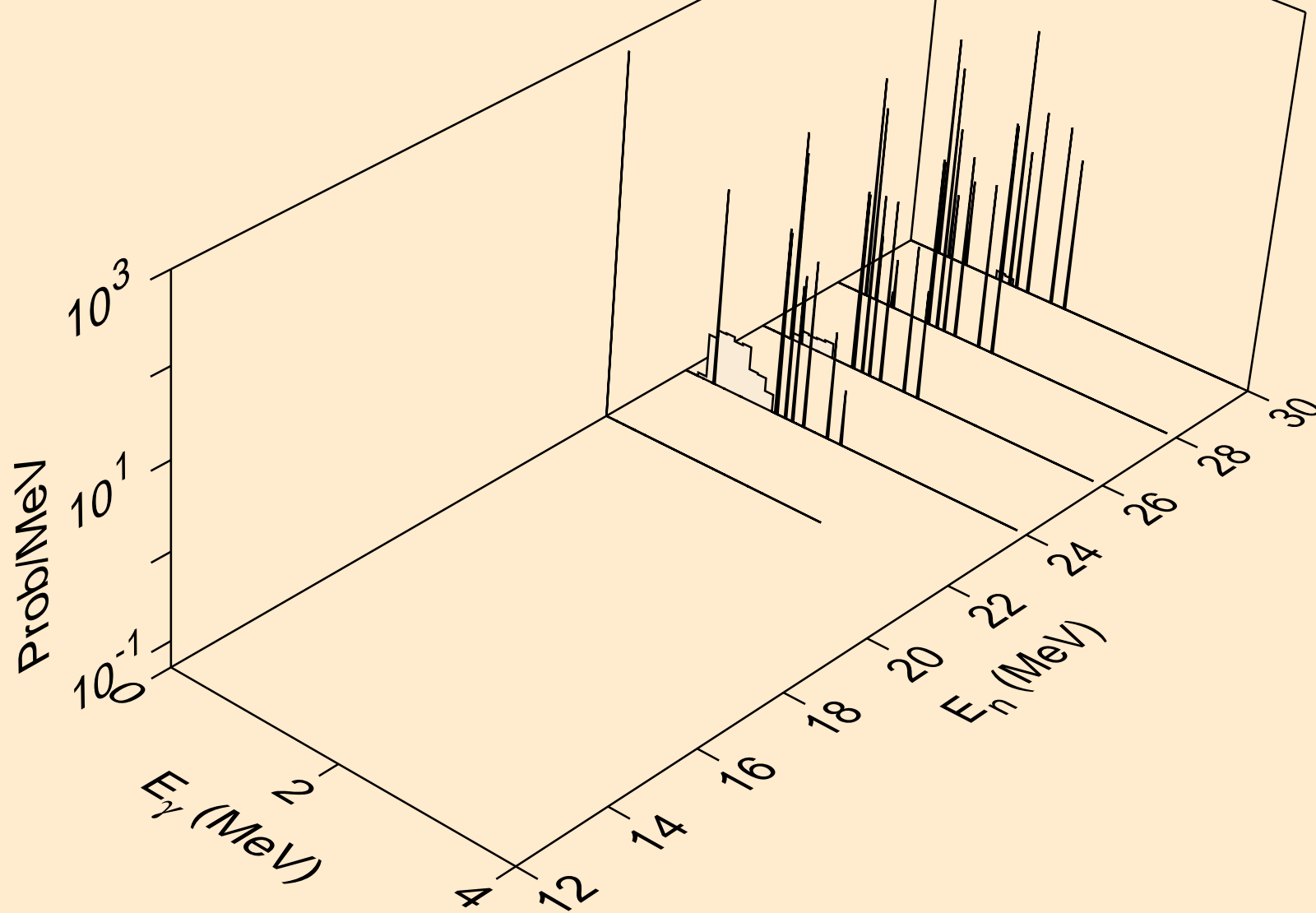
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Photon emission for (n,3n)a



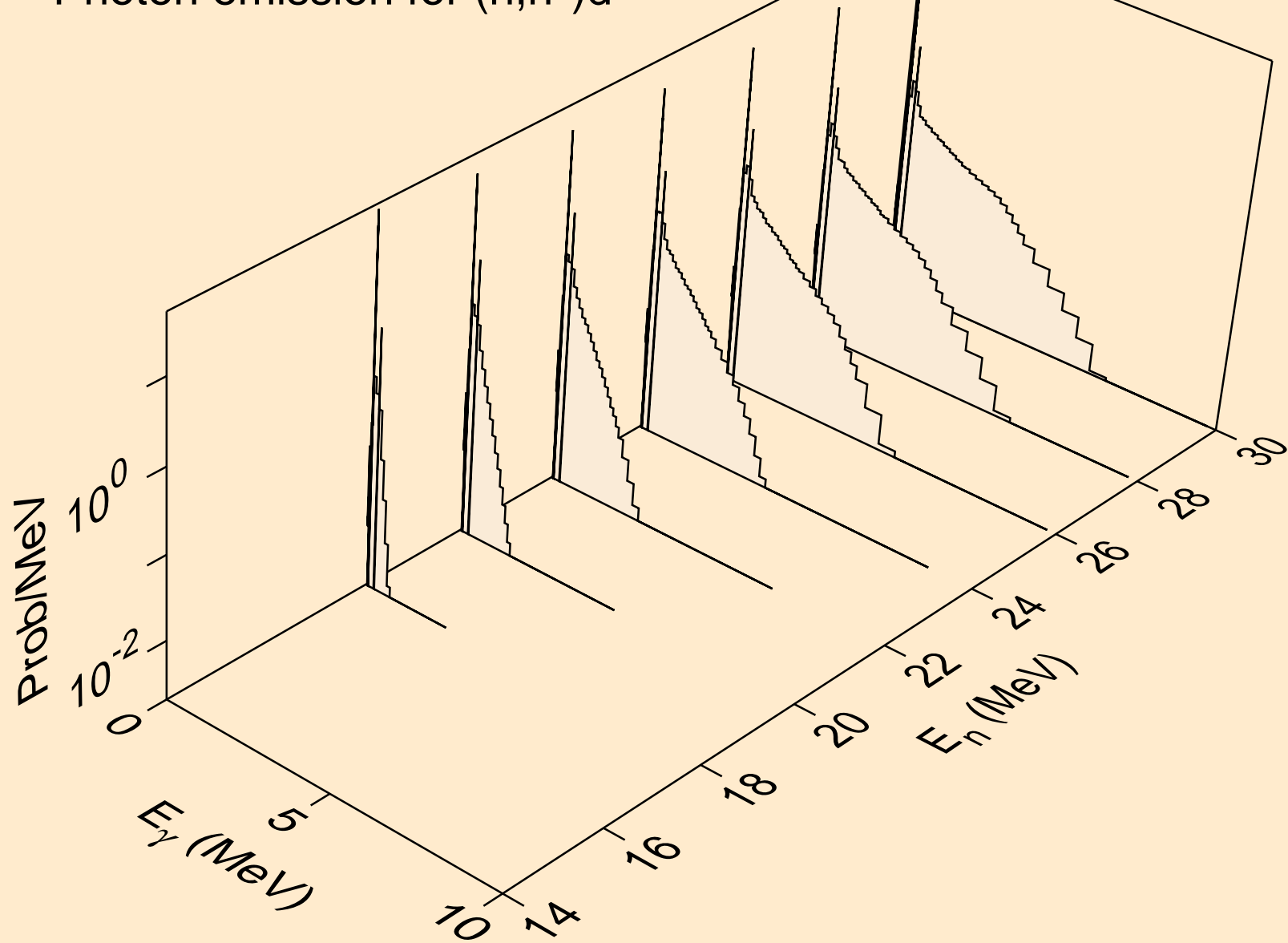
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



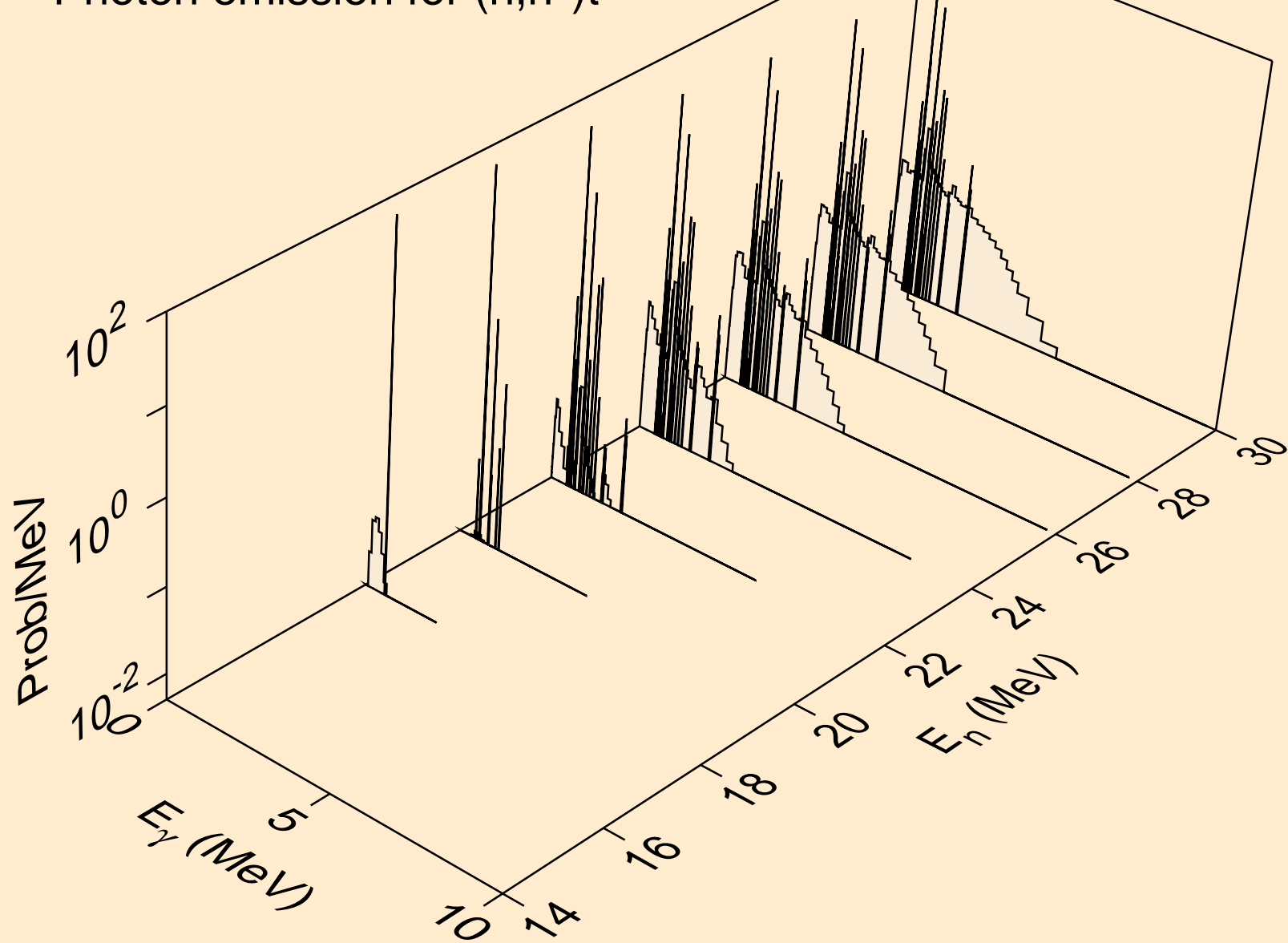
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

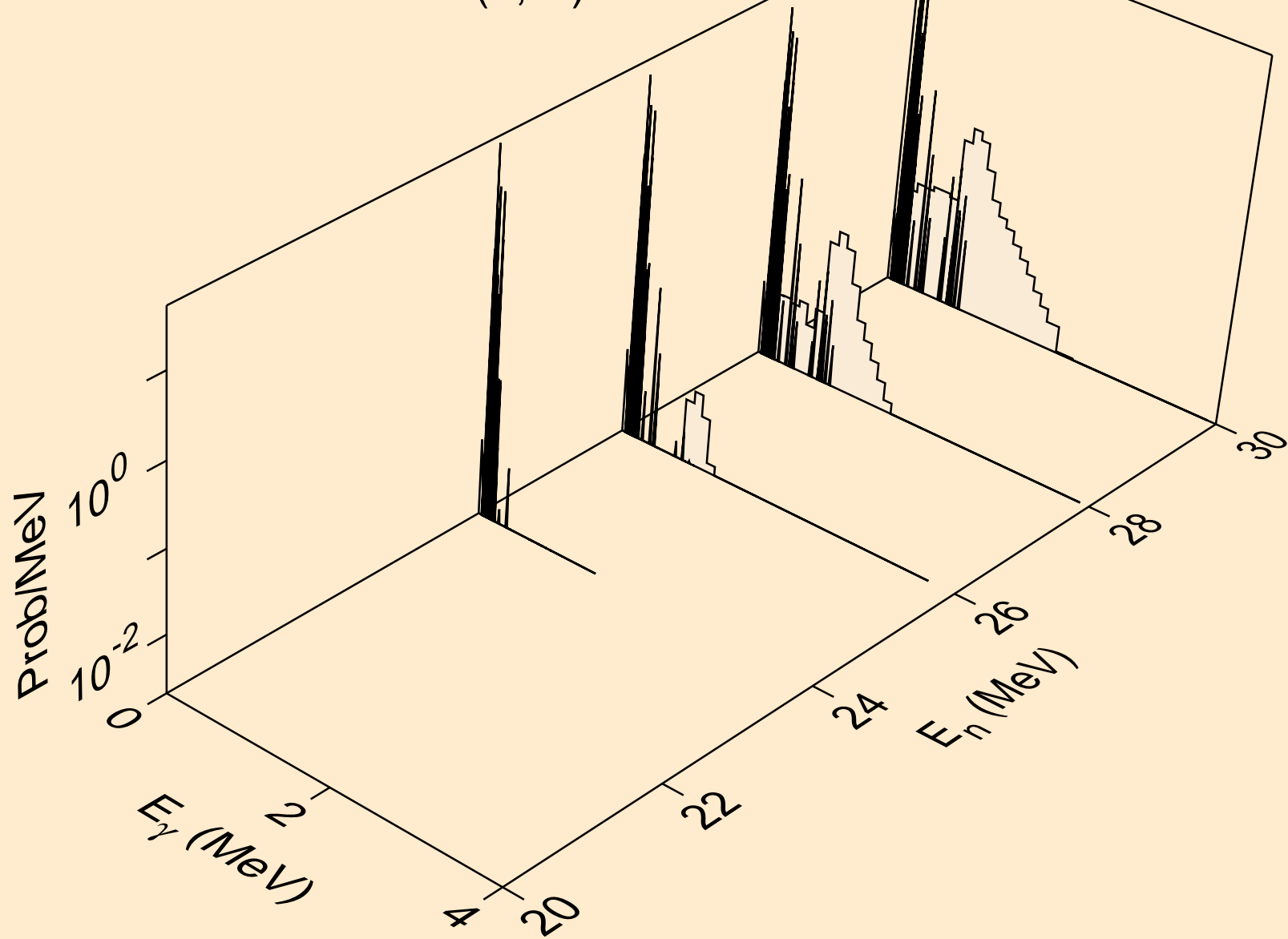


AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

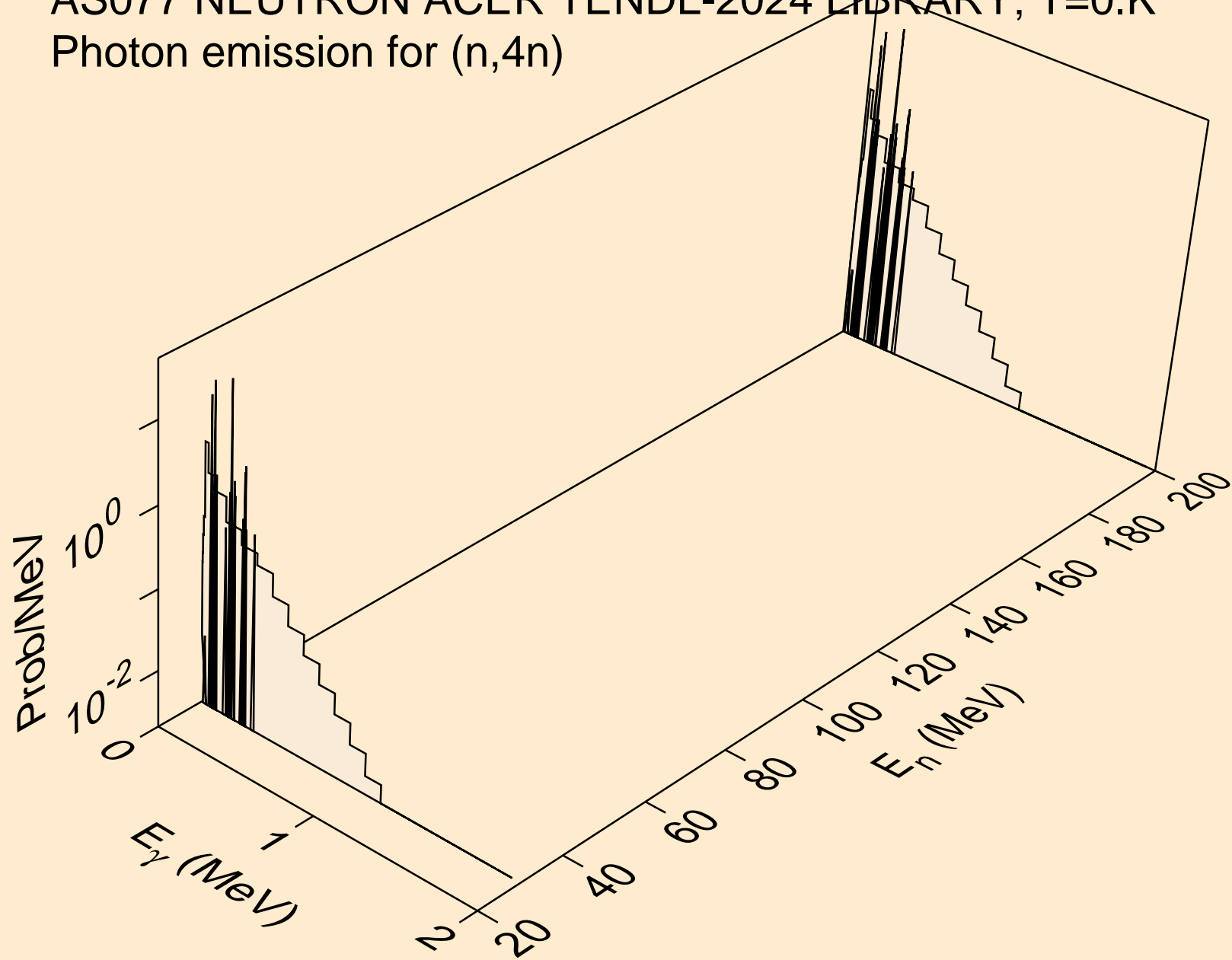




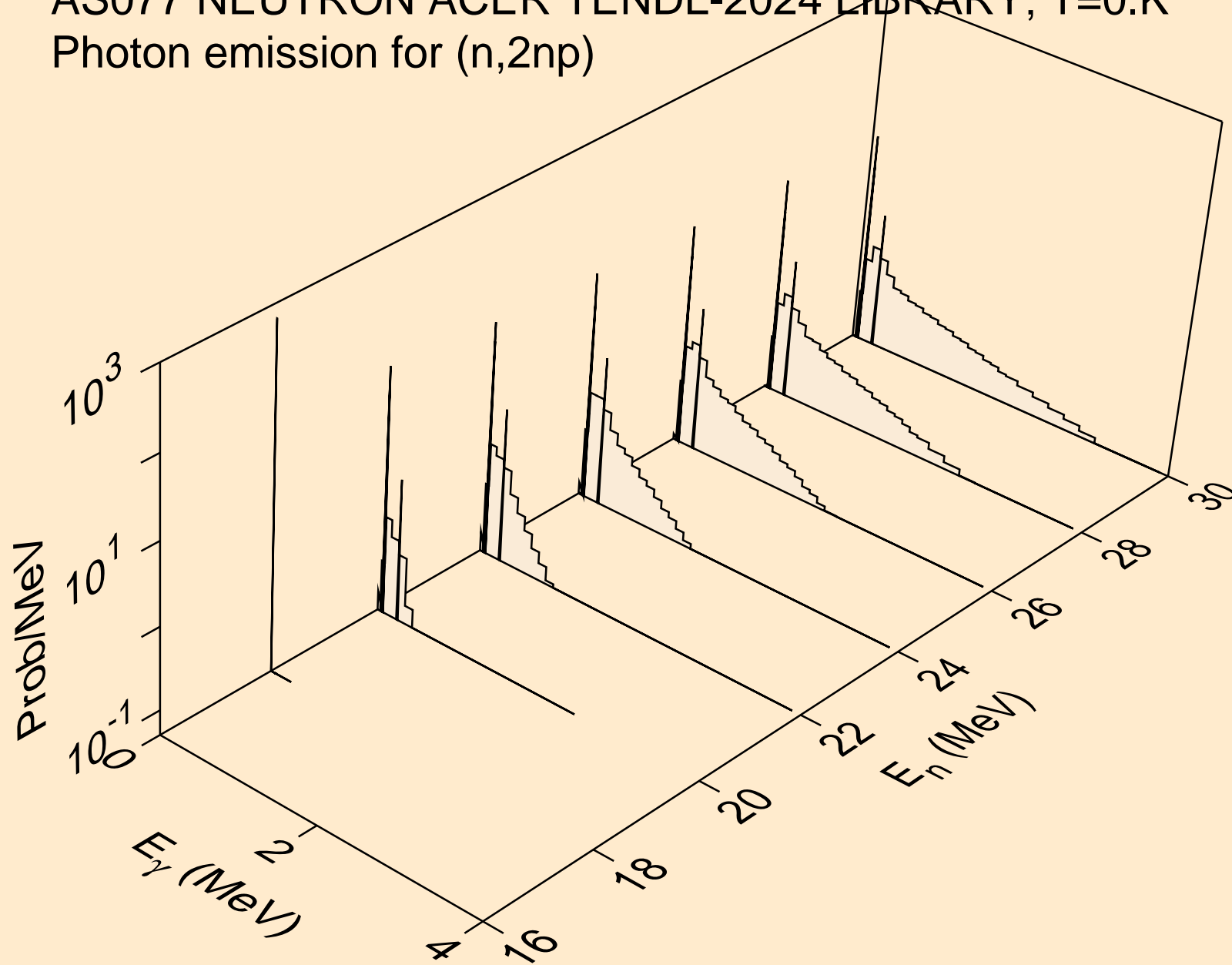
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



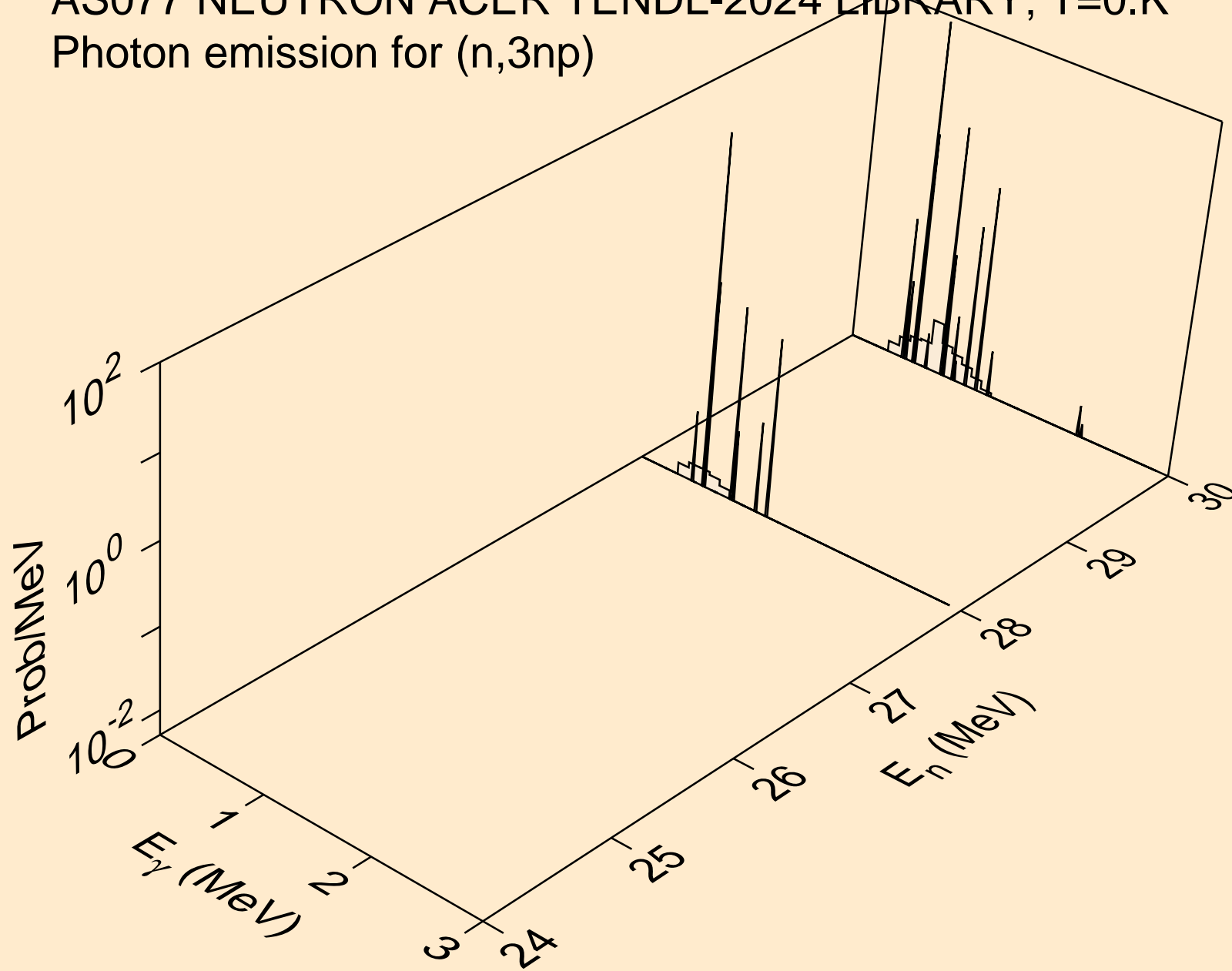
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Photon emission for (n,4n)



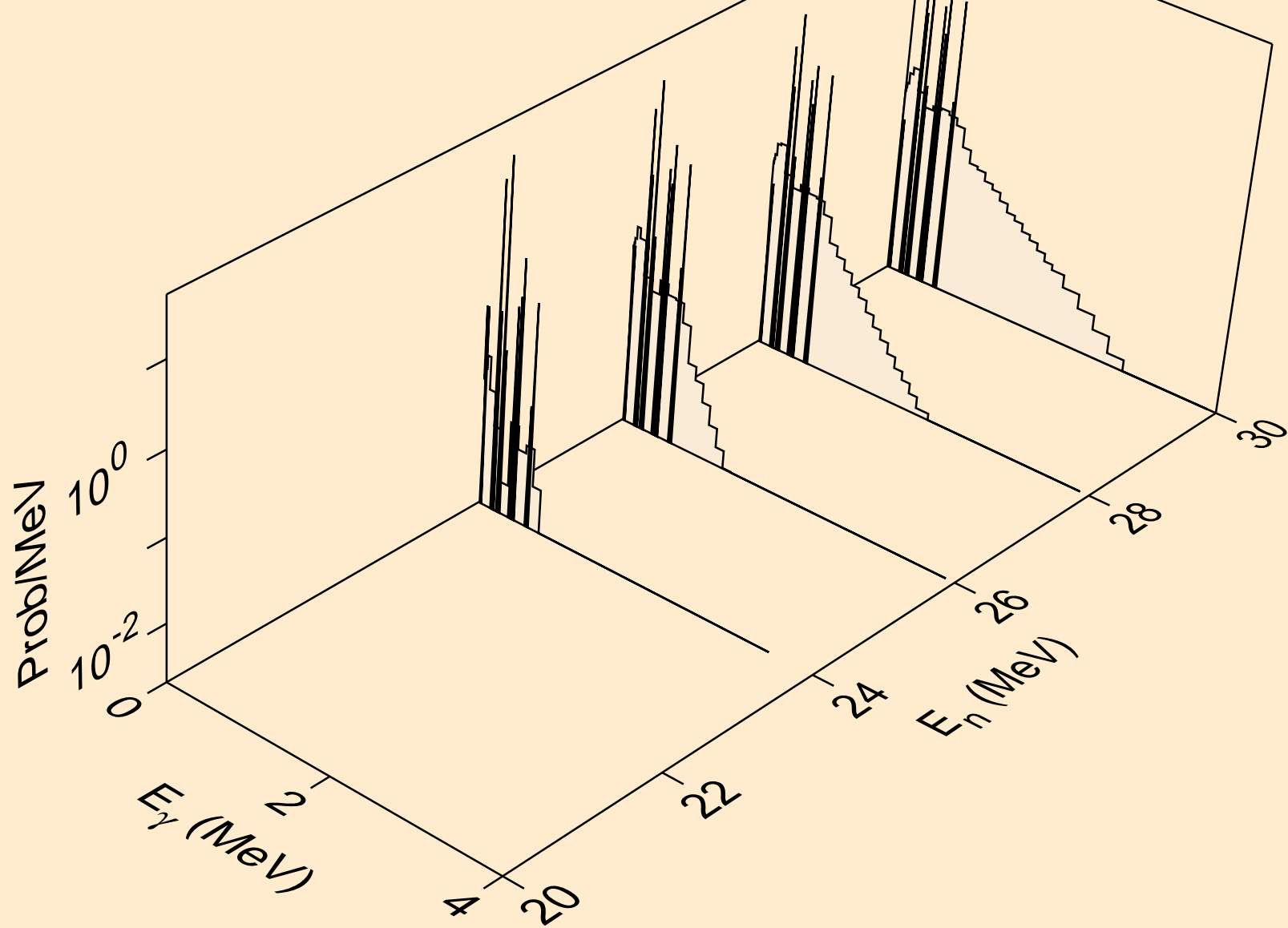
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Photon emission for (n,2np)



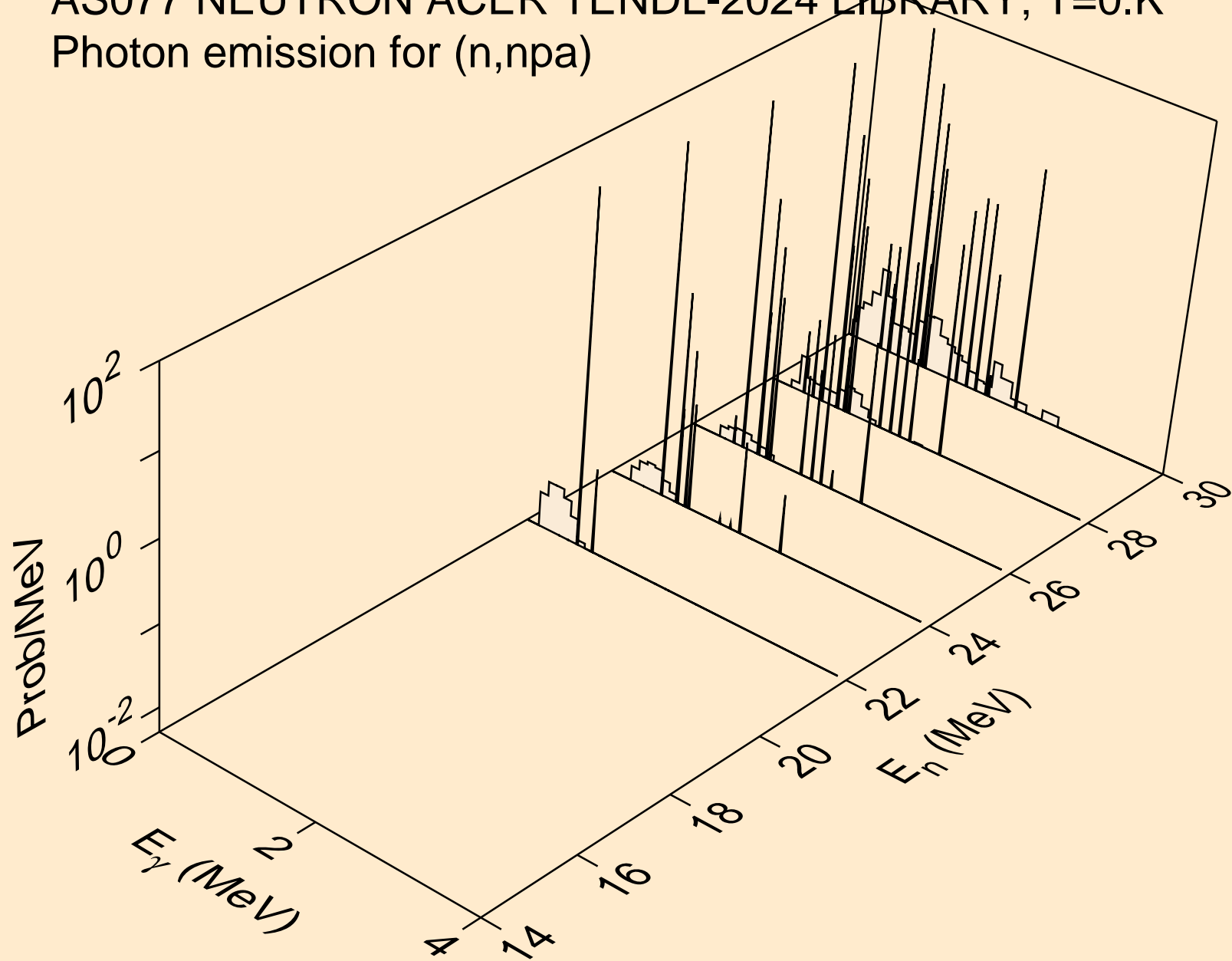
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Photon emission for (n,3np)



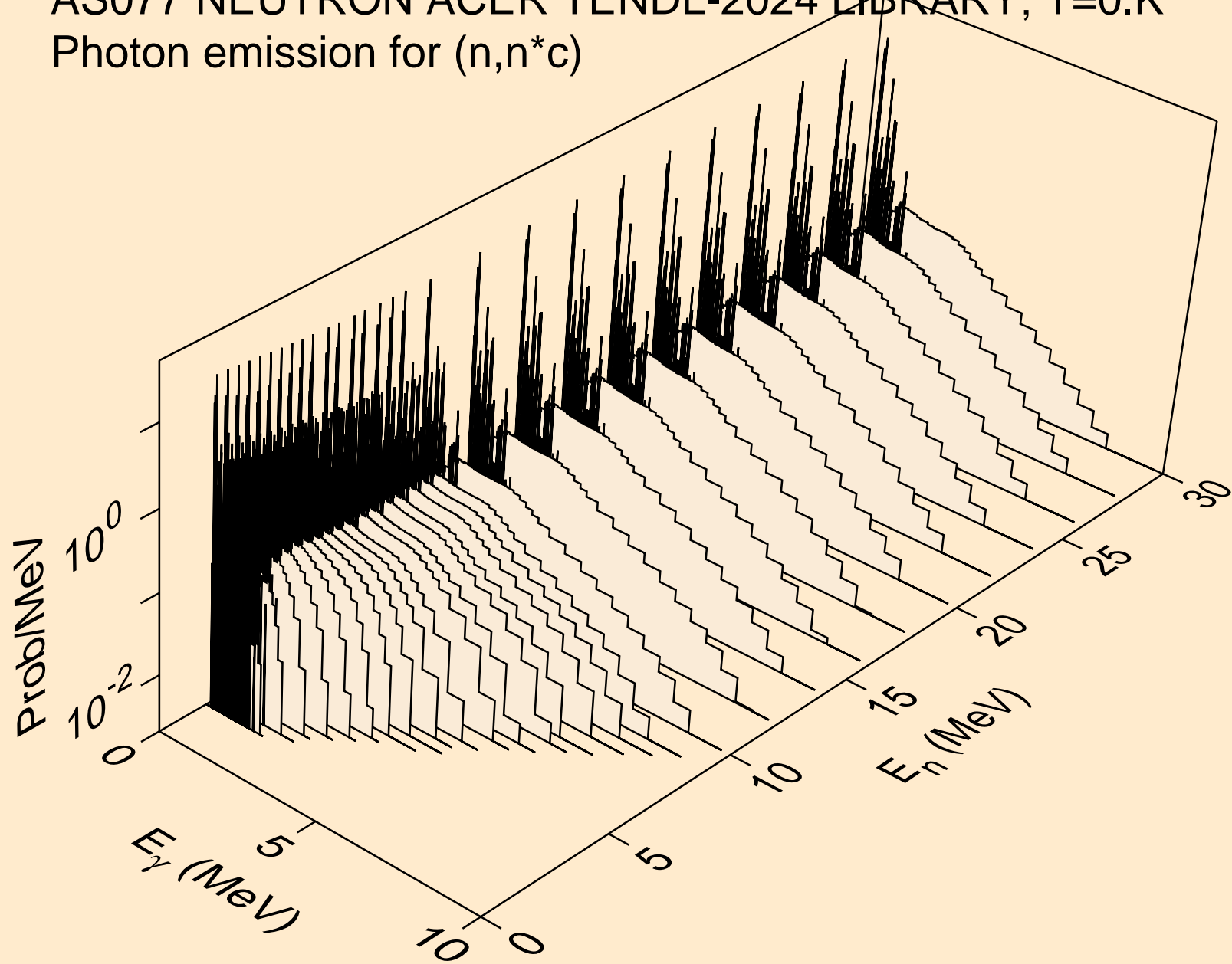
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Photon emission for (n,n2p)



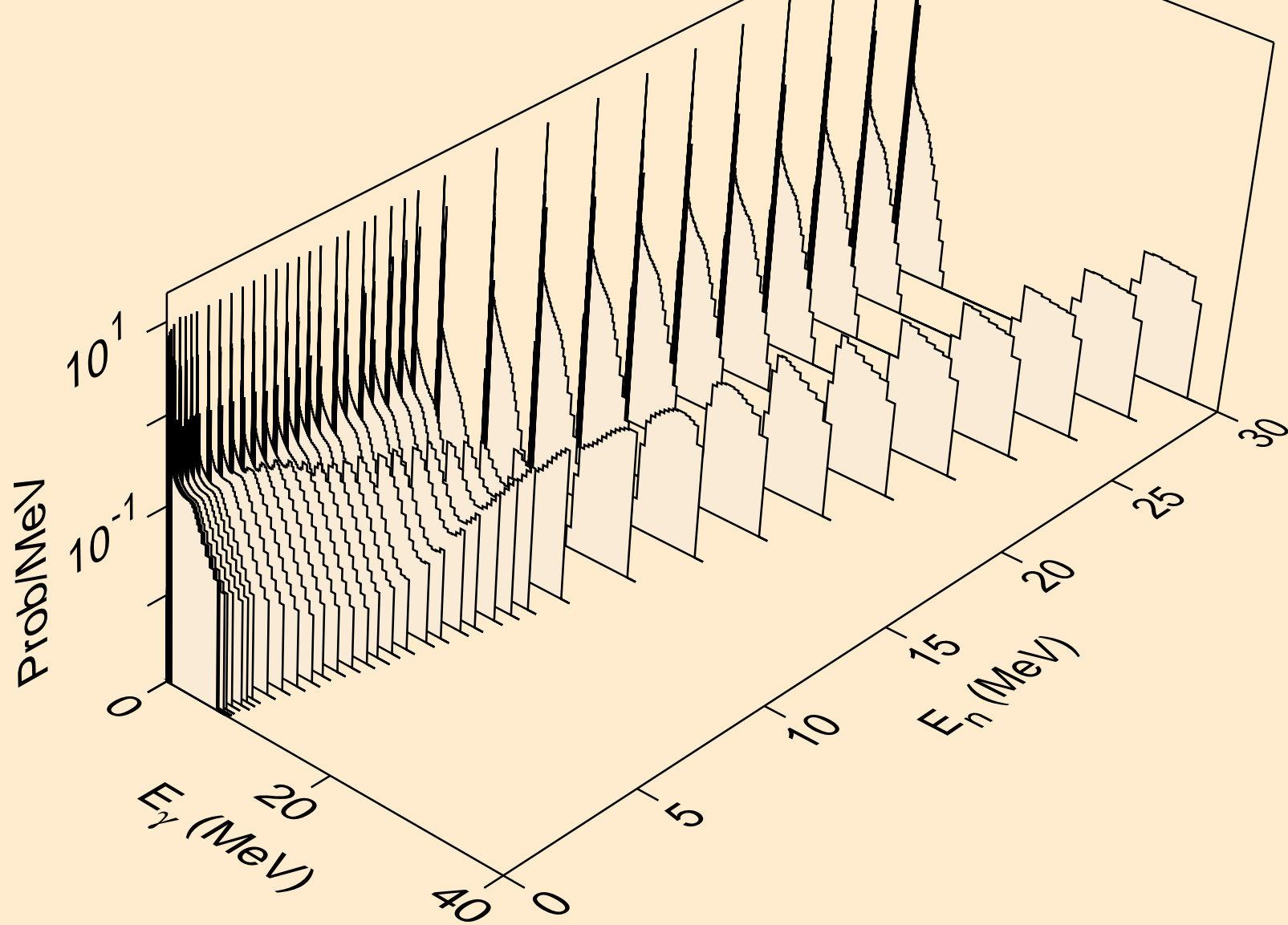
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)

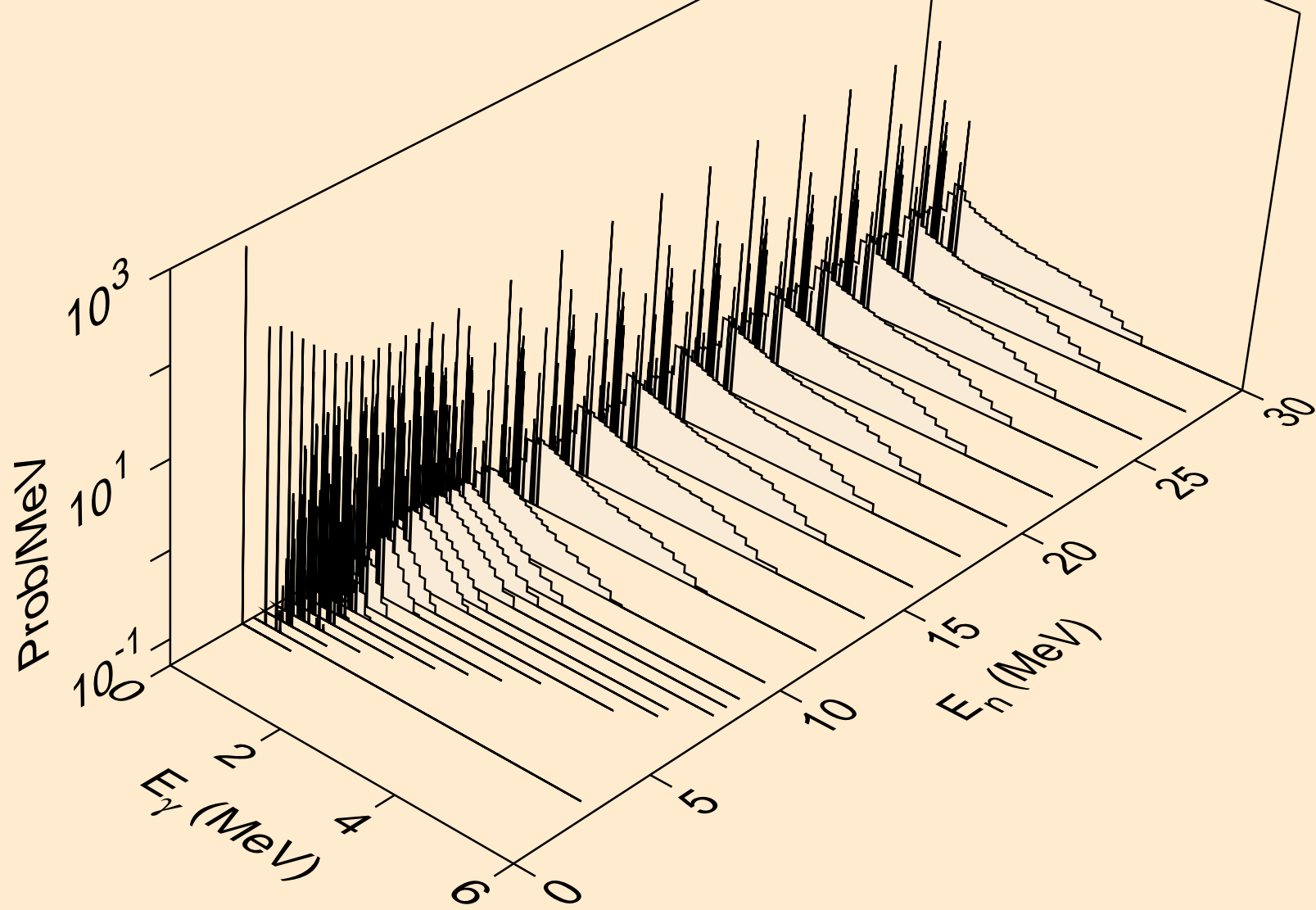


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Photon emission for (n,gma)

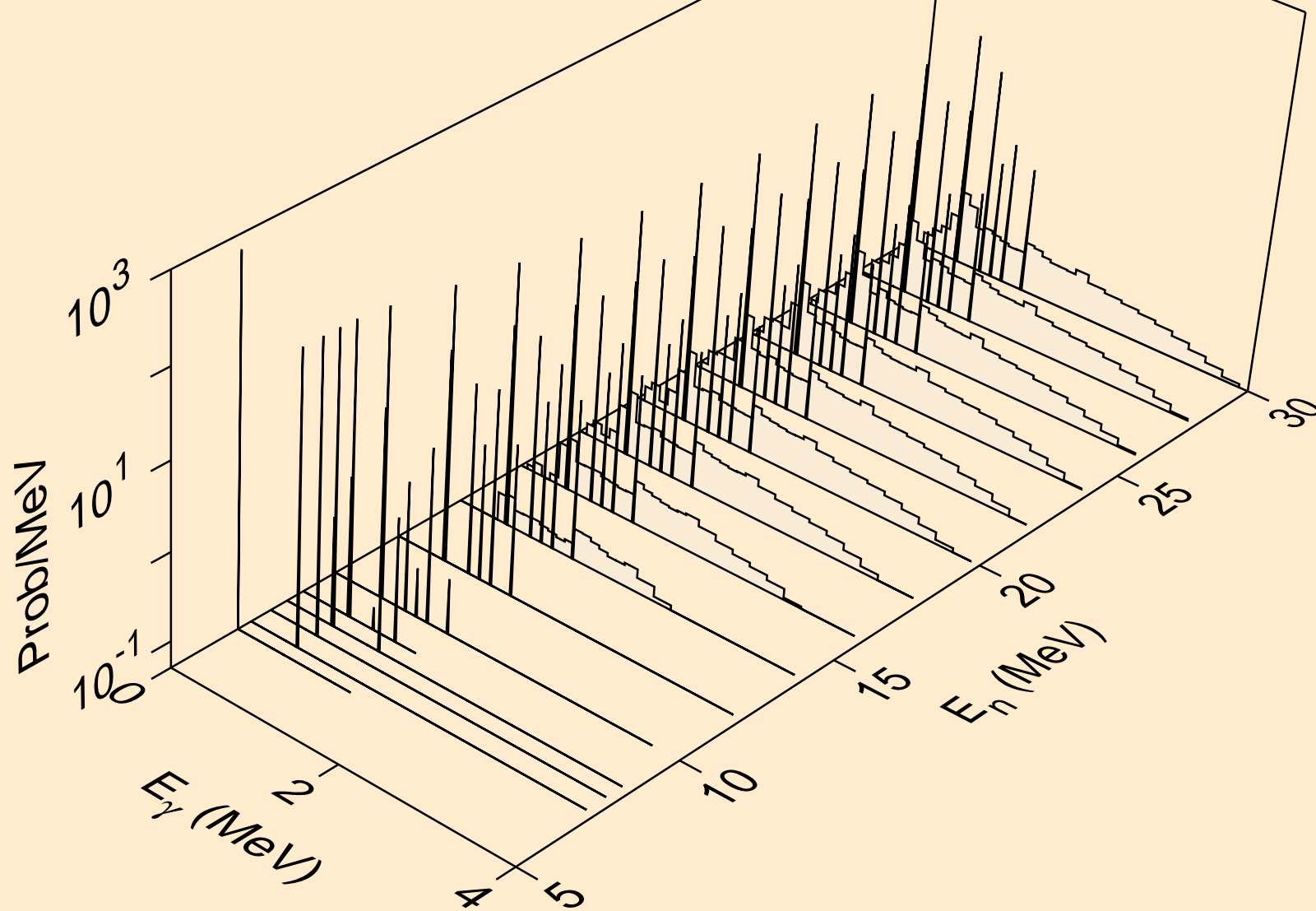




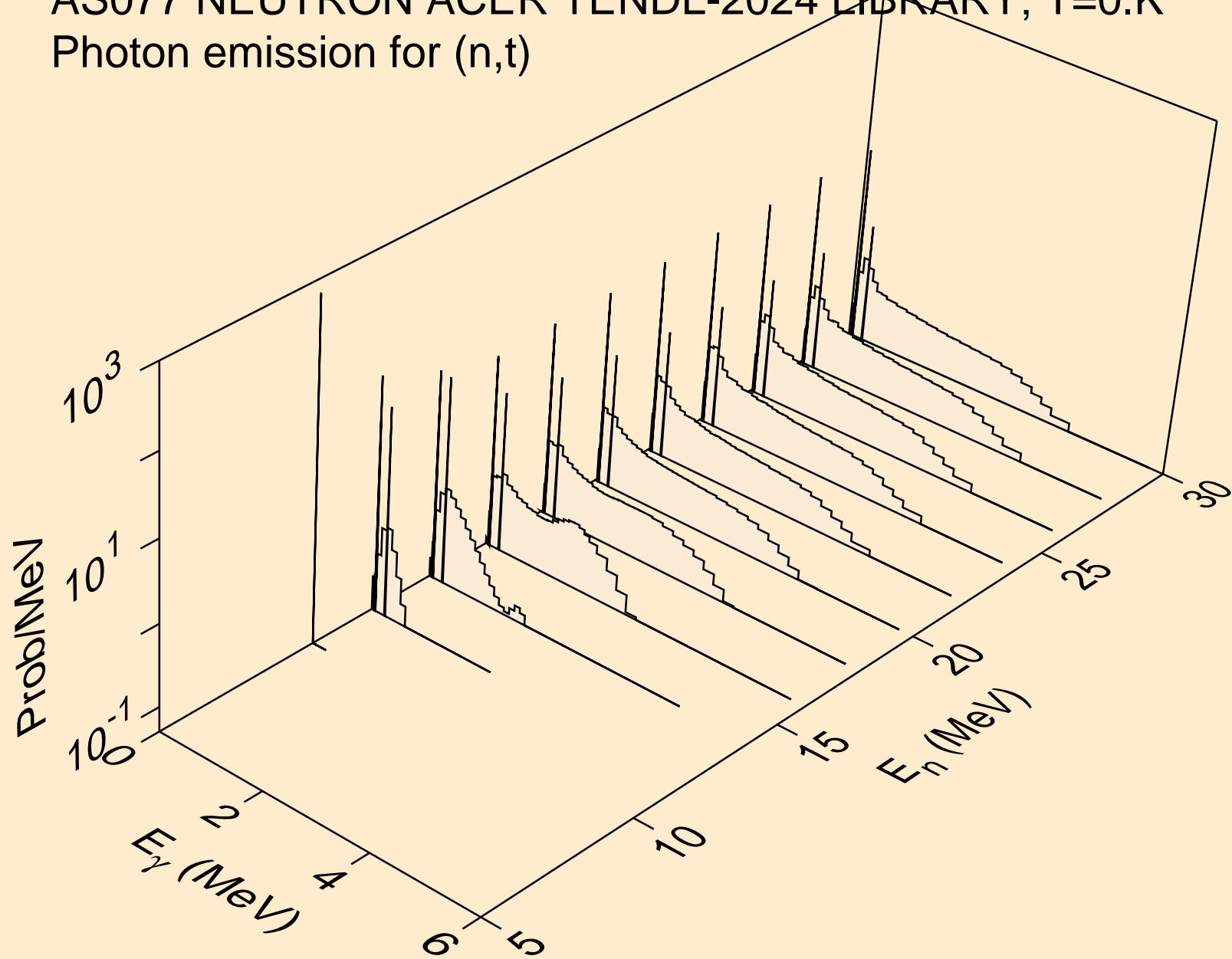
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Photon emission for (n,p)



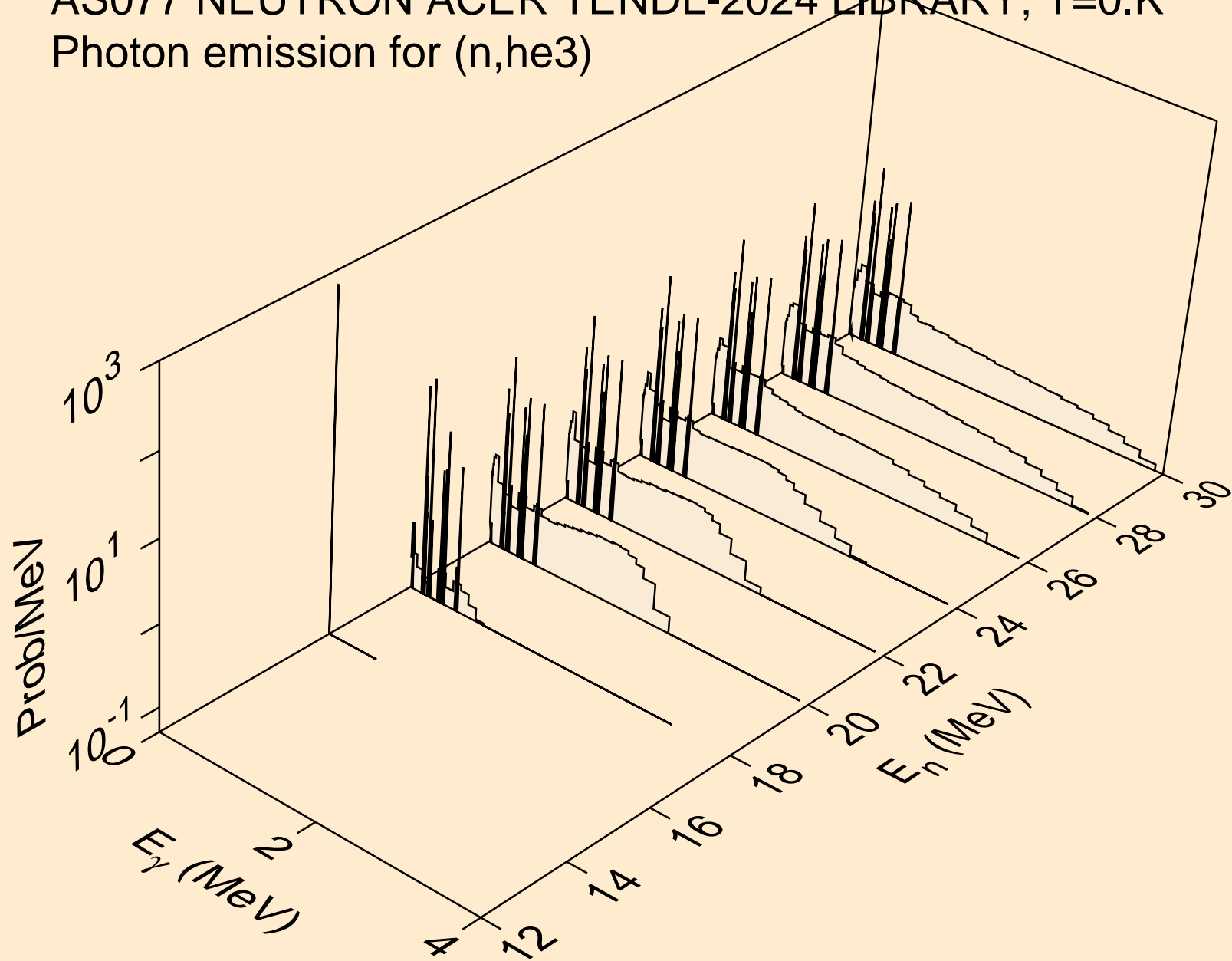
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Photon emission for (n,d)



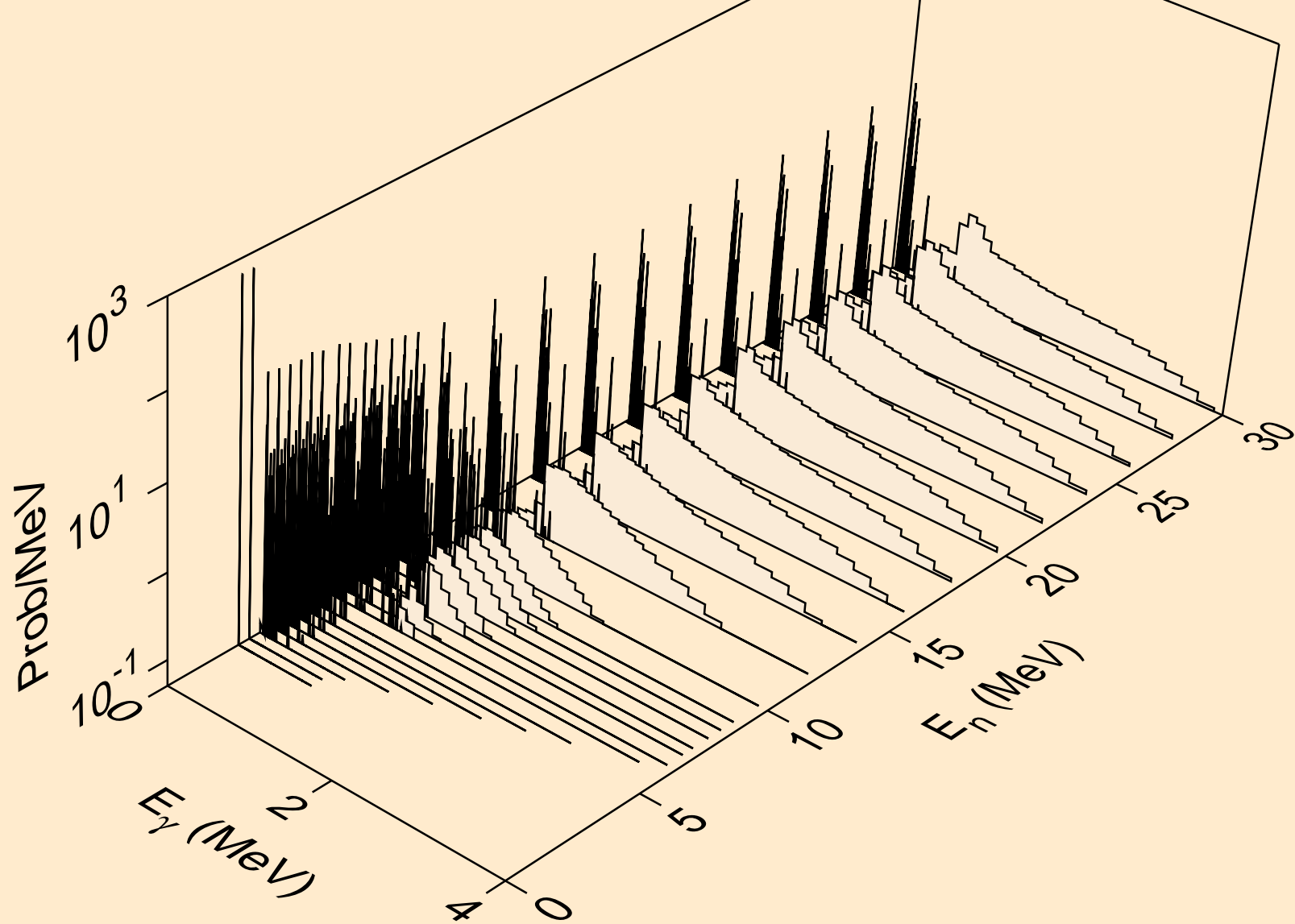
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Photon emission for (n,t)



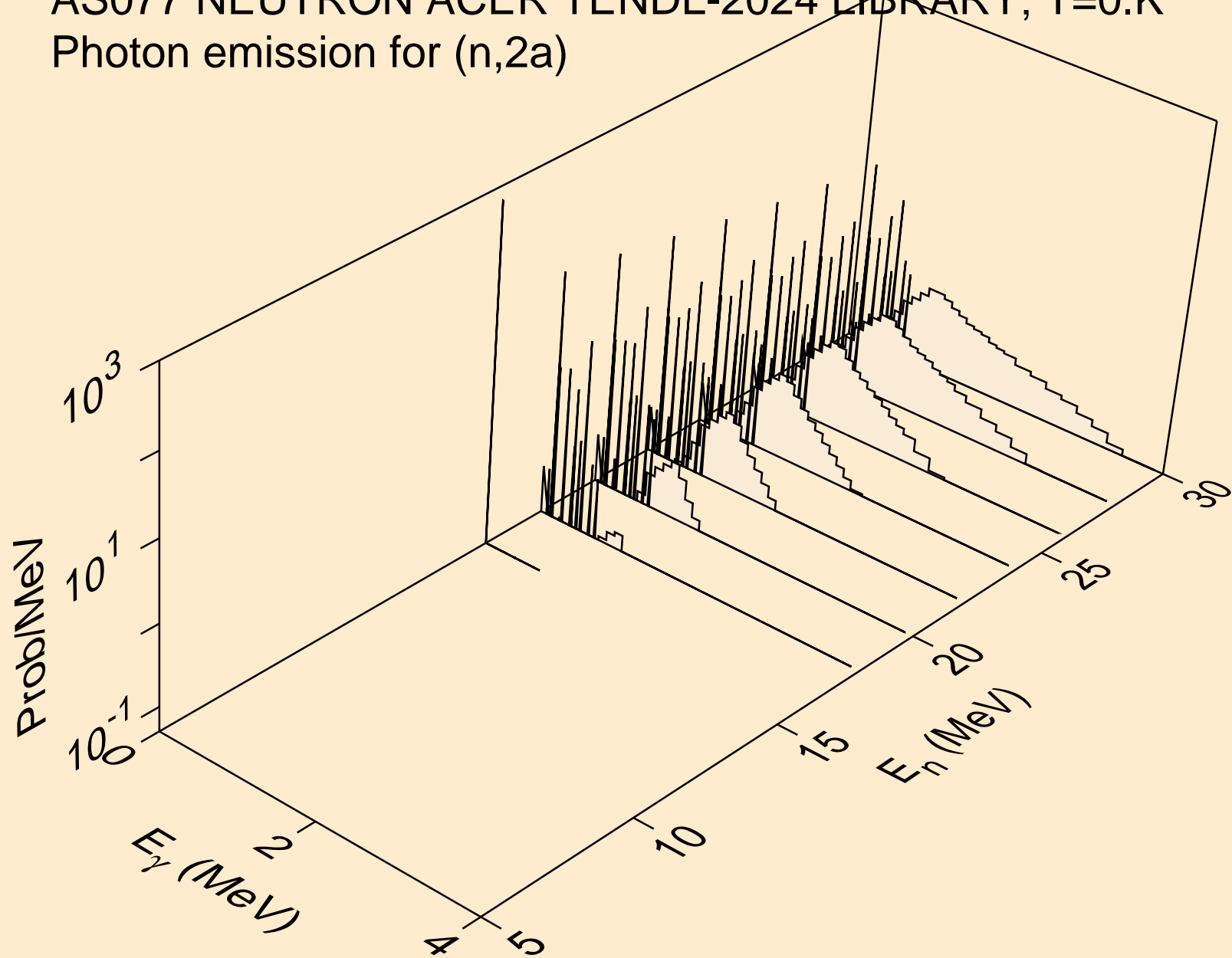
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Photon emission for (n,he3)



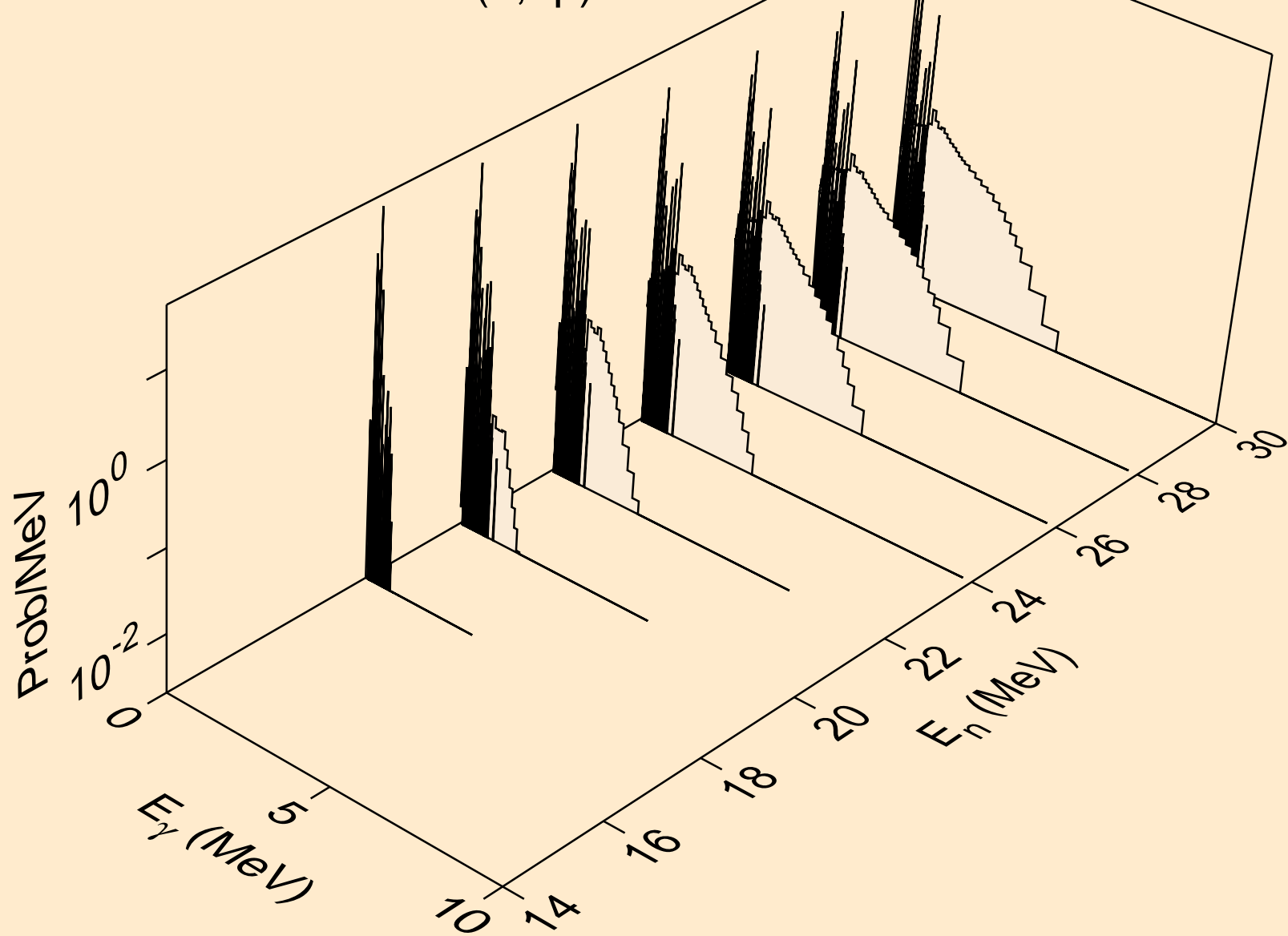
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Photon emission for (n,a)



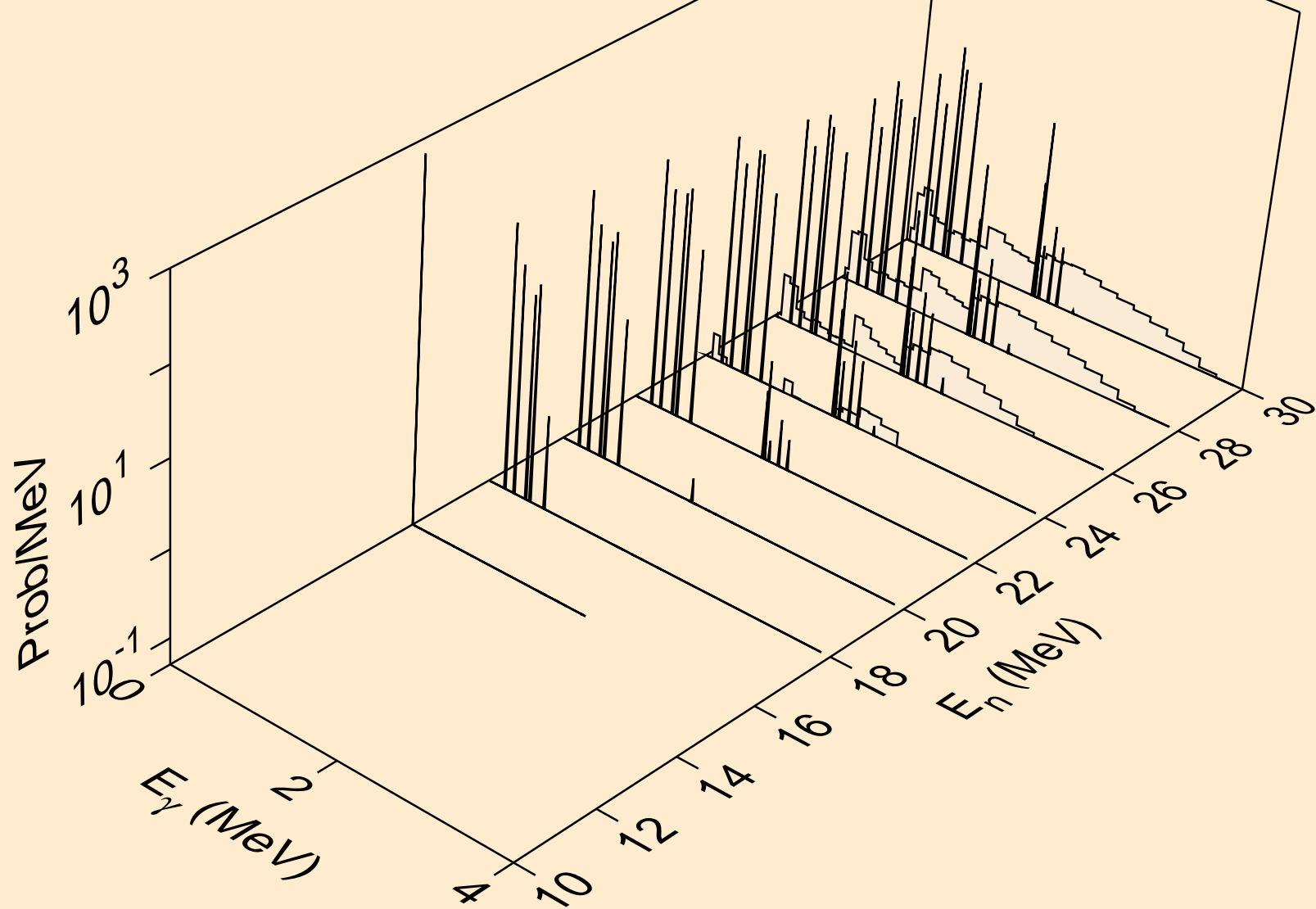
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)



AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)

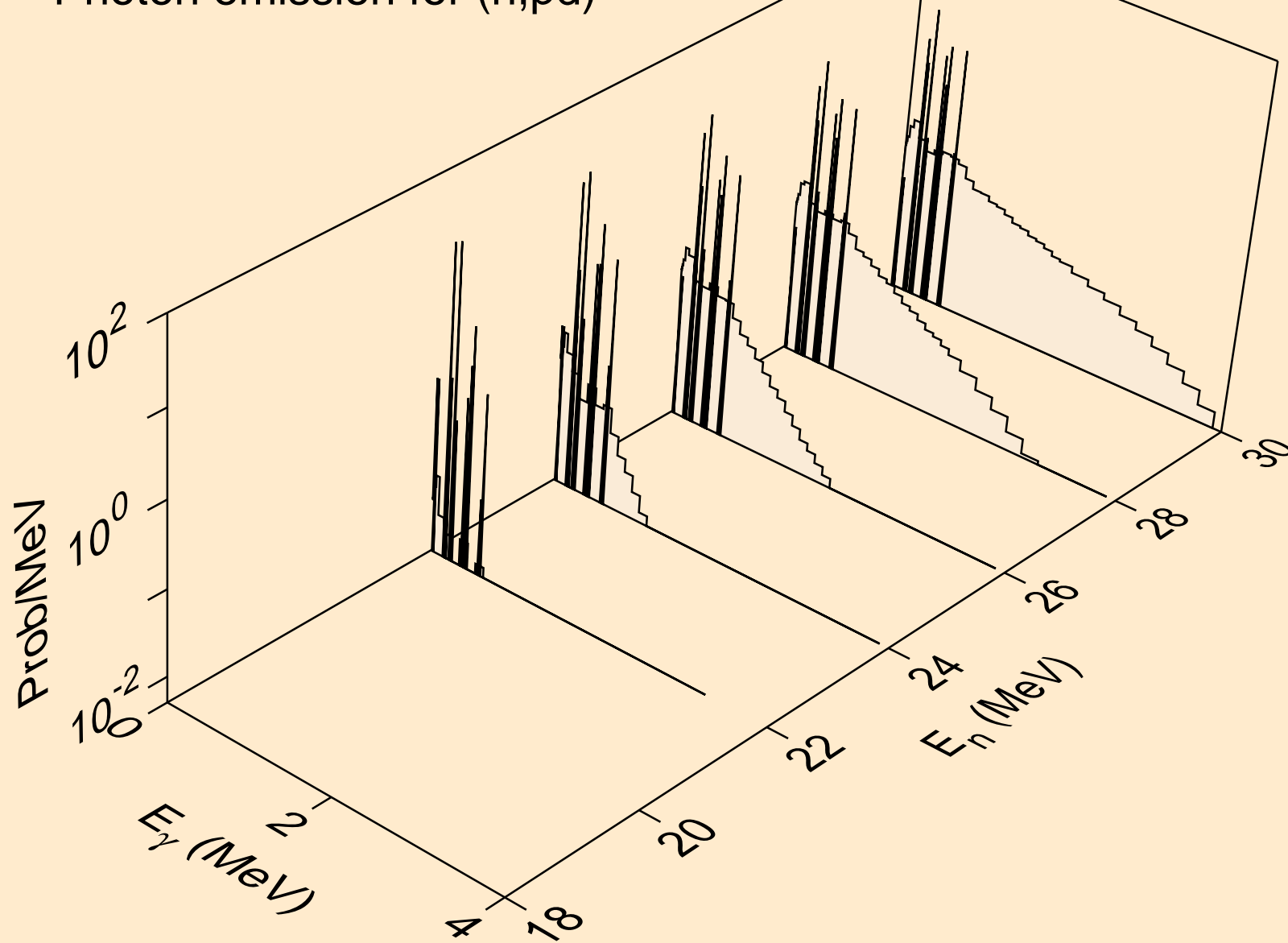


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Photon emission for (n,p $\alpha$ )

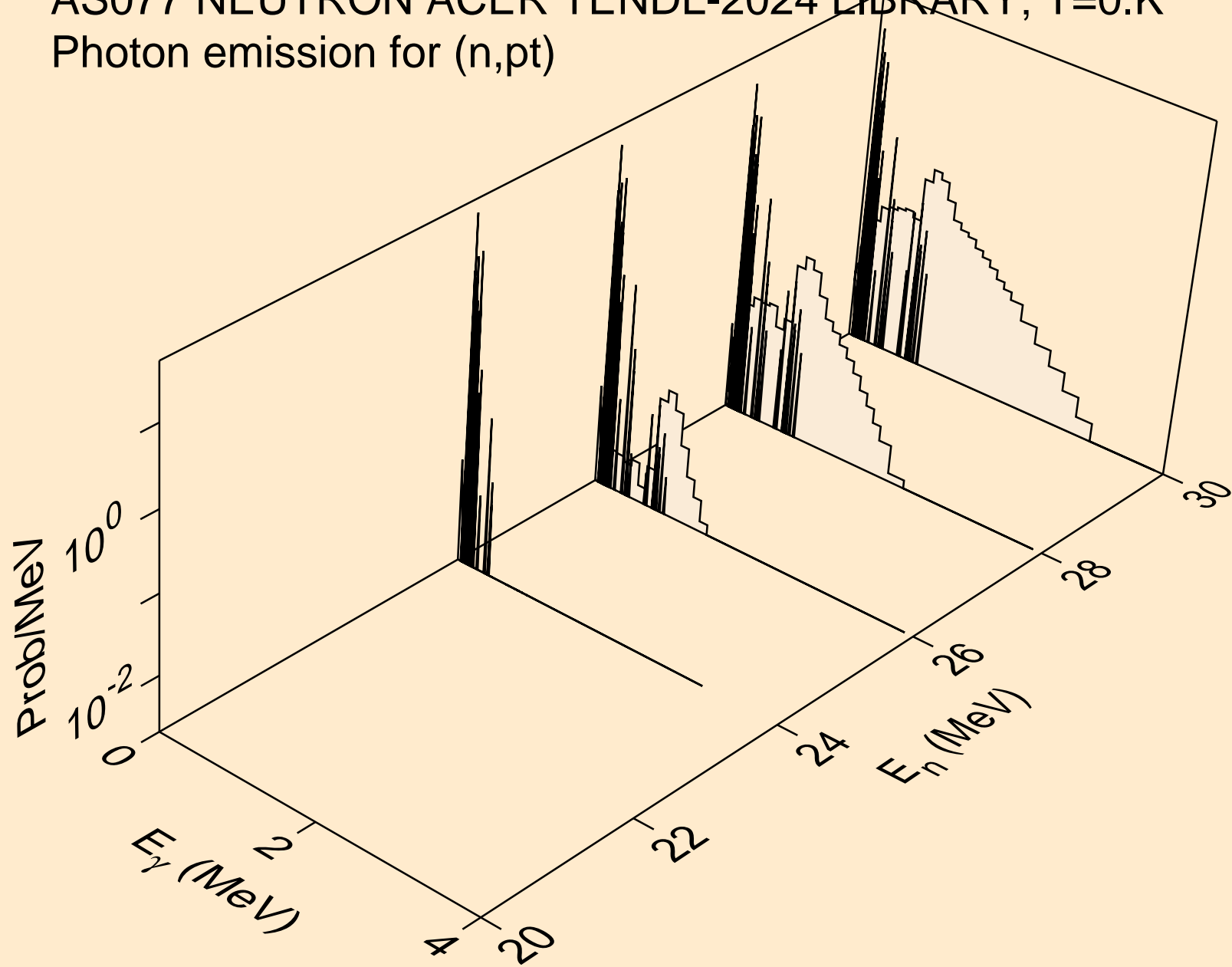




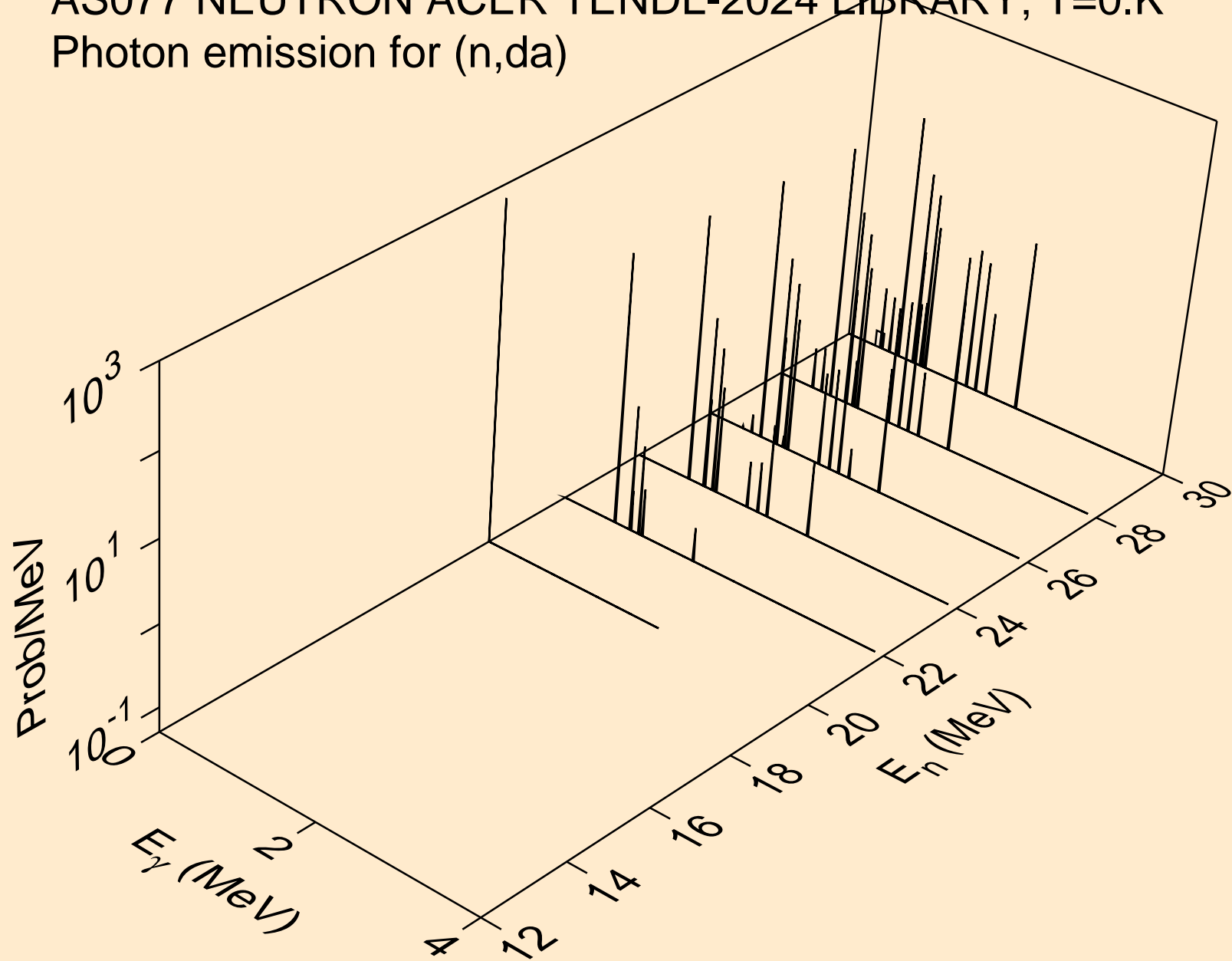
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Photon emission for (n,pd)



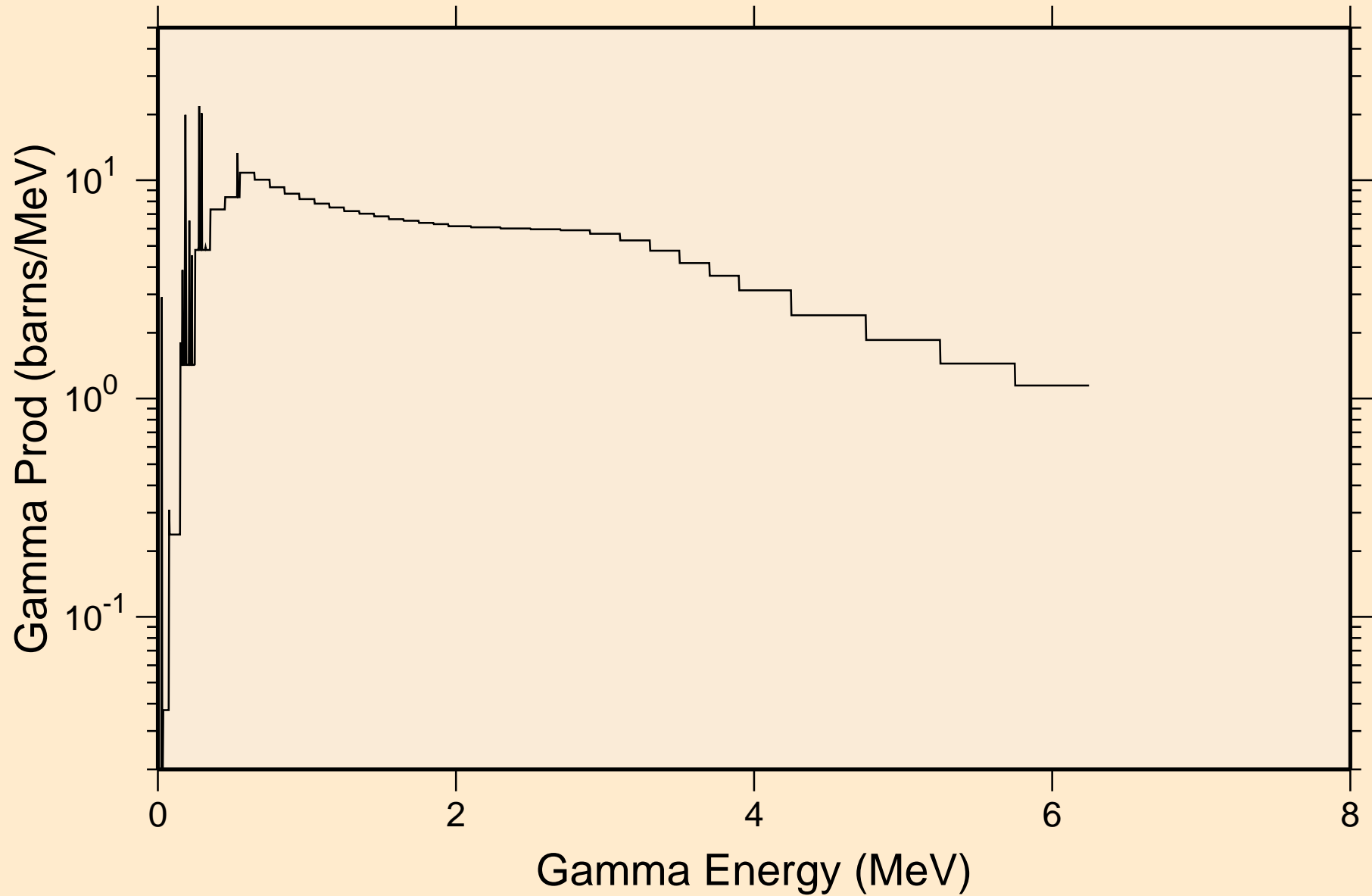
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Photon emission for (n,pt)



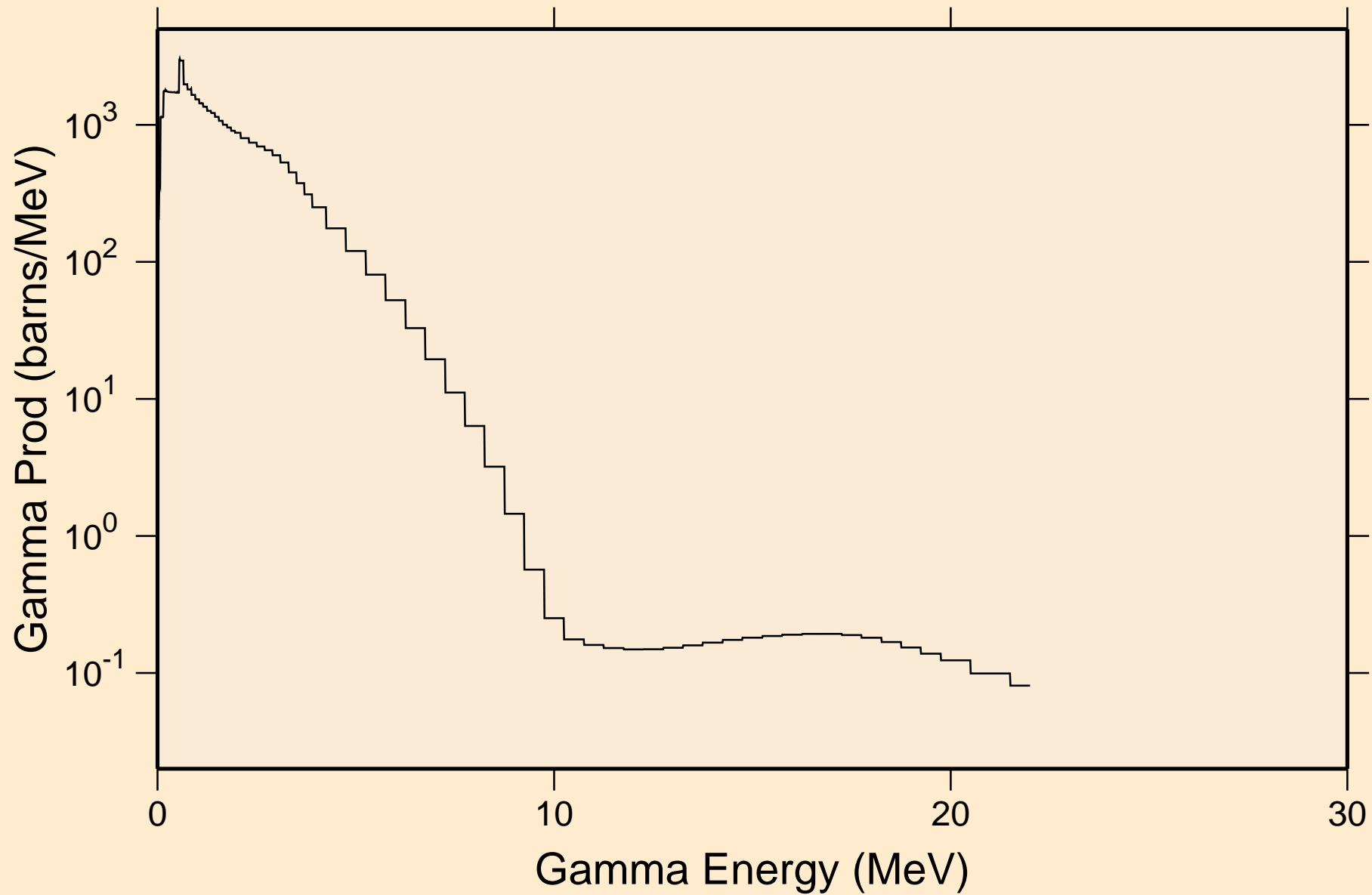
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

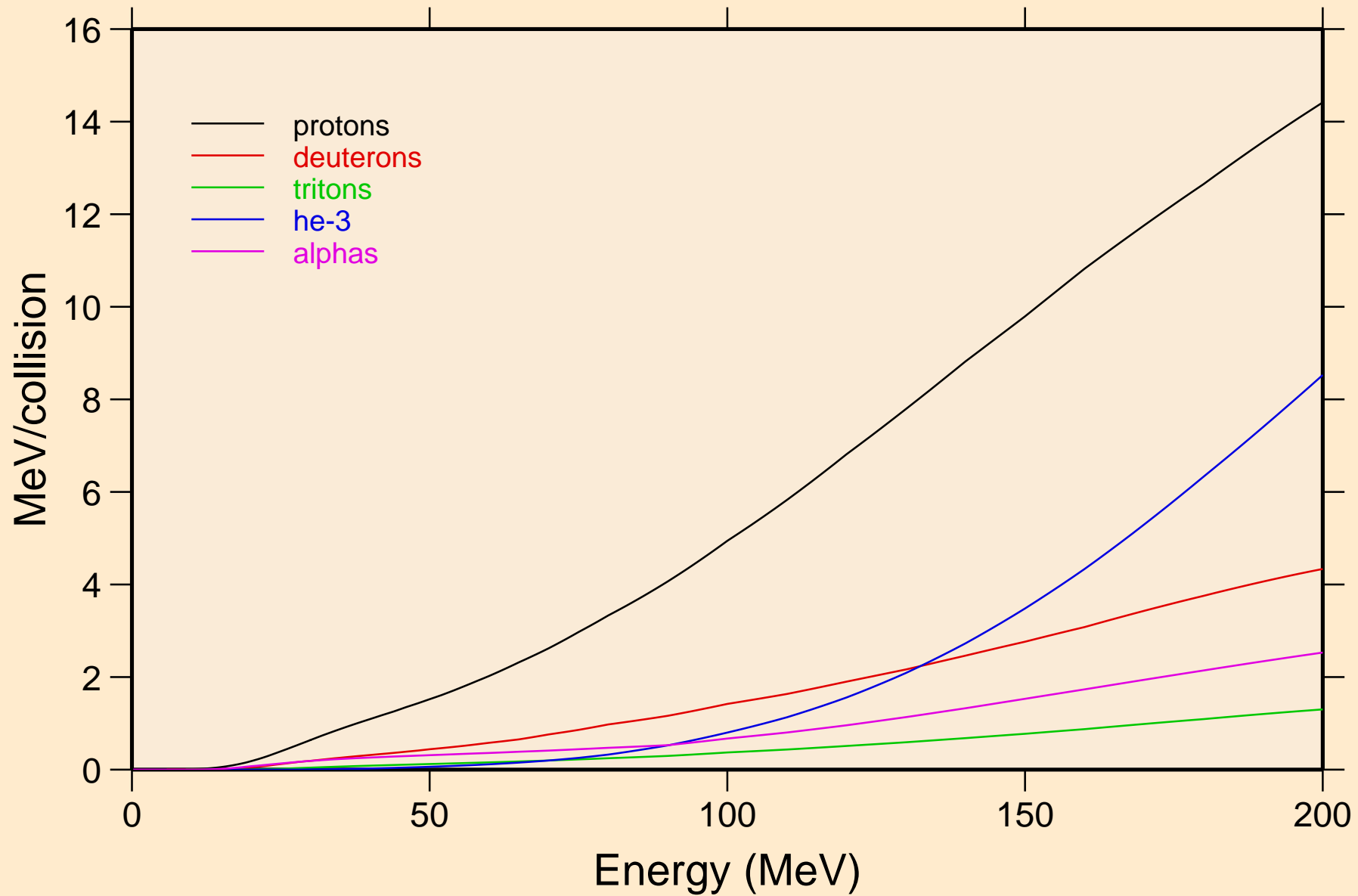


AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum

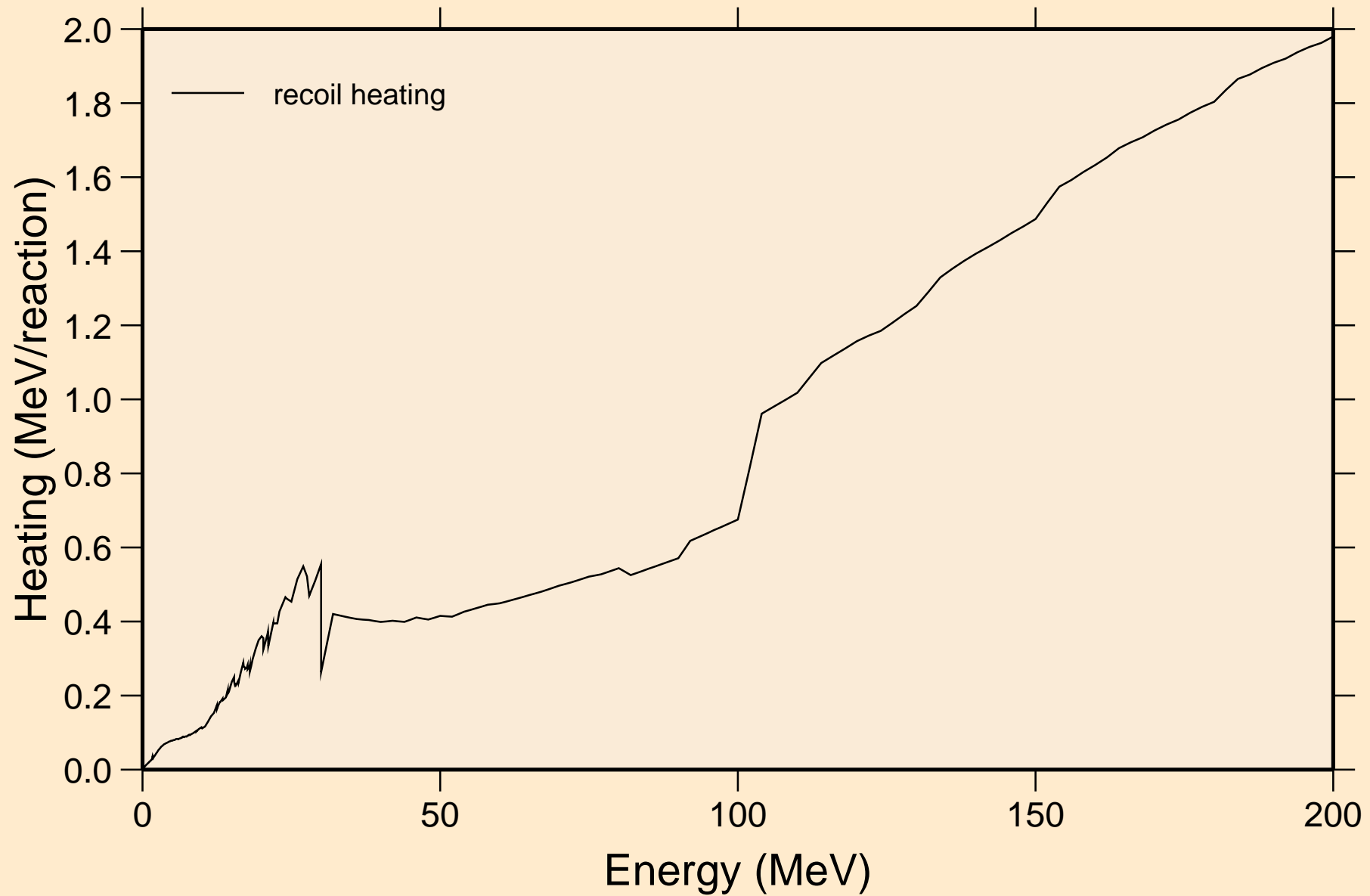


# AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

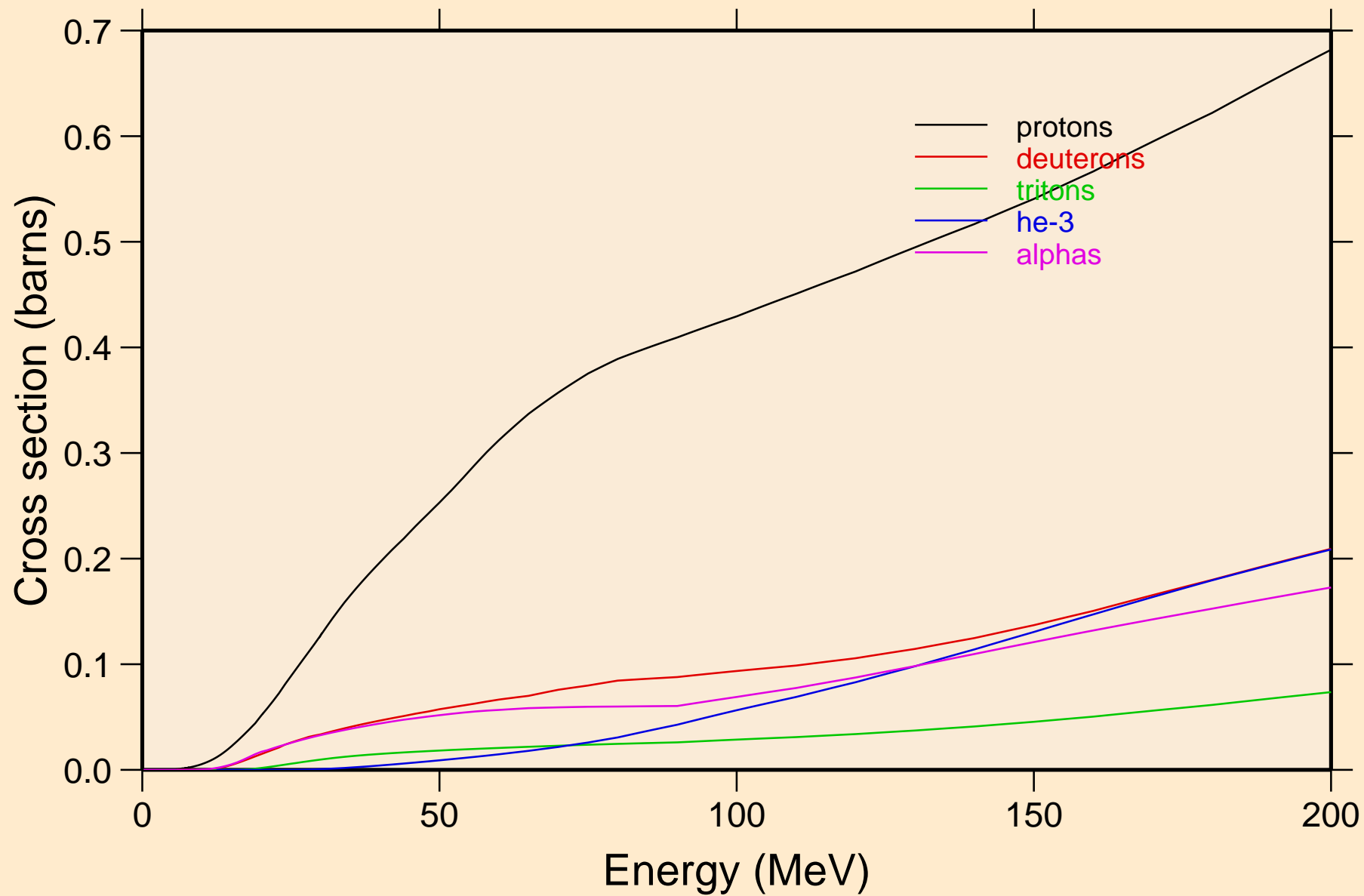
## Particle heating contributions



AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating

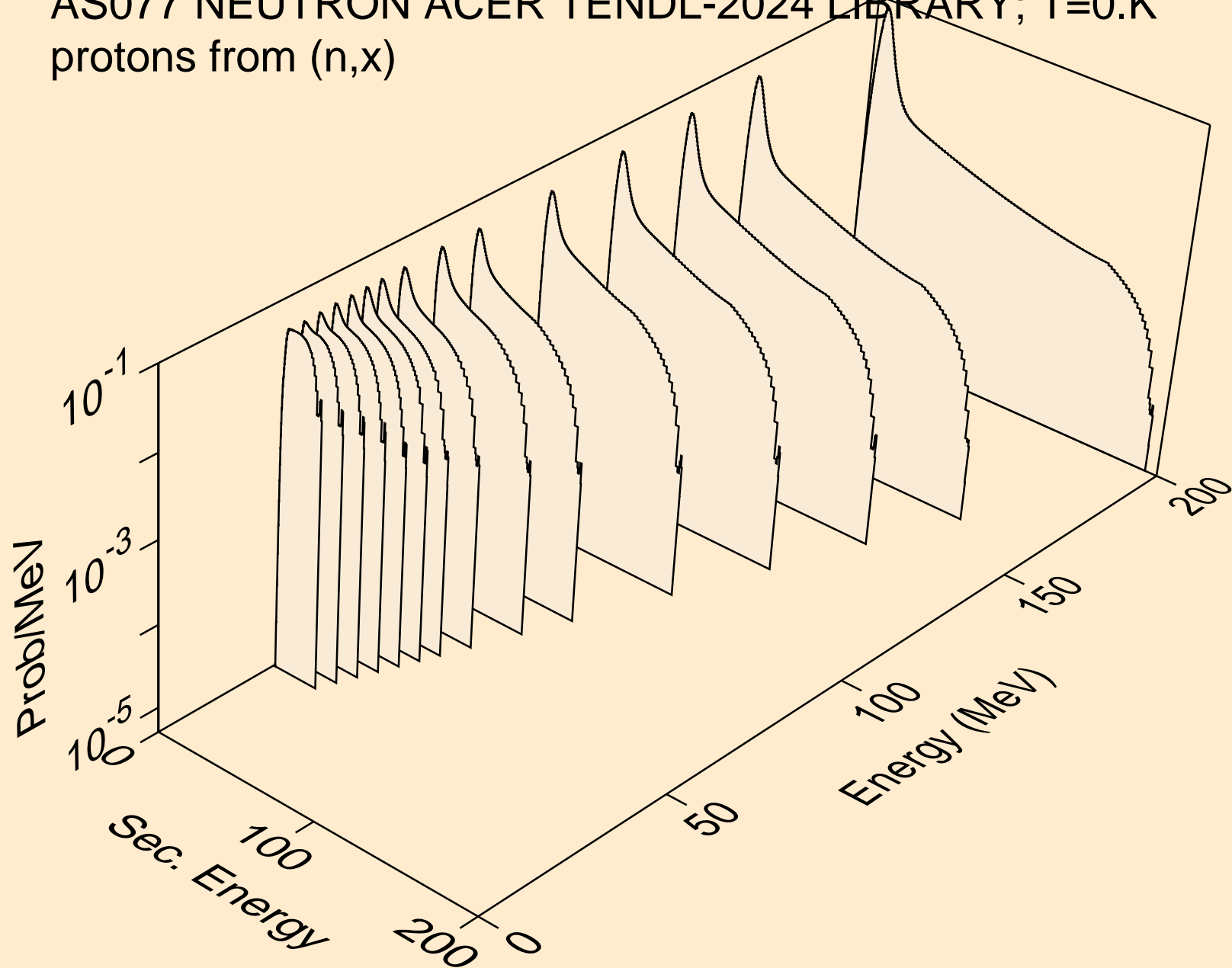


AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Particle production cross sections

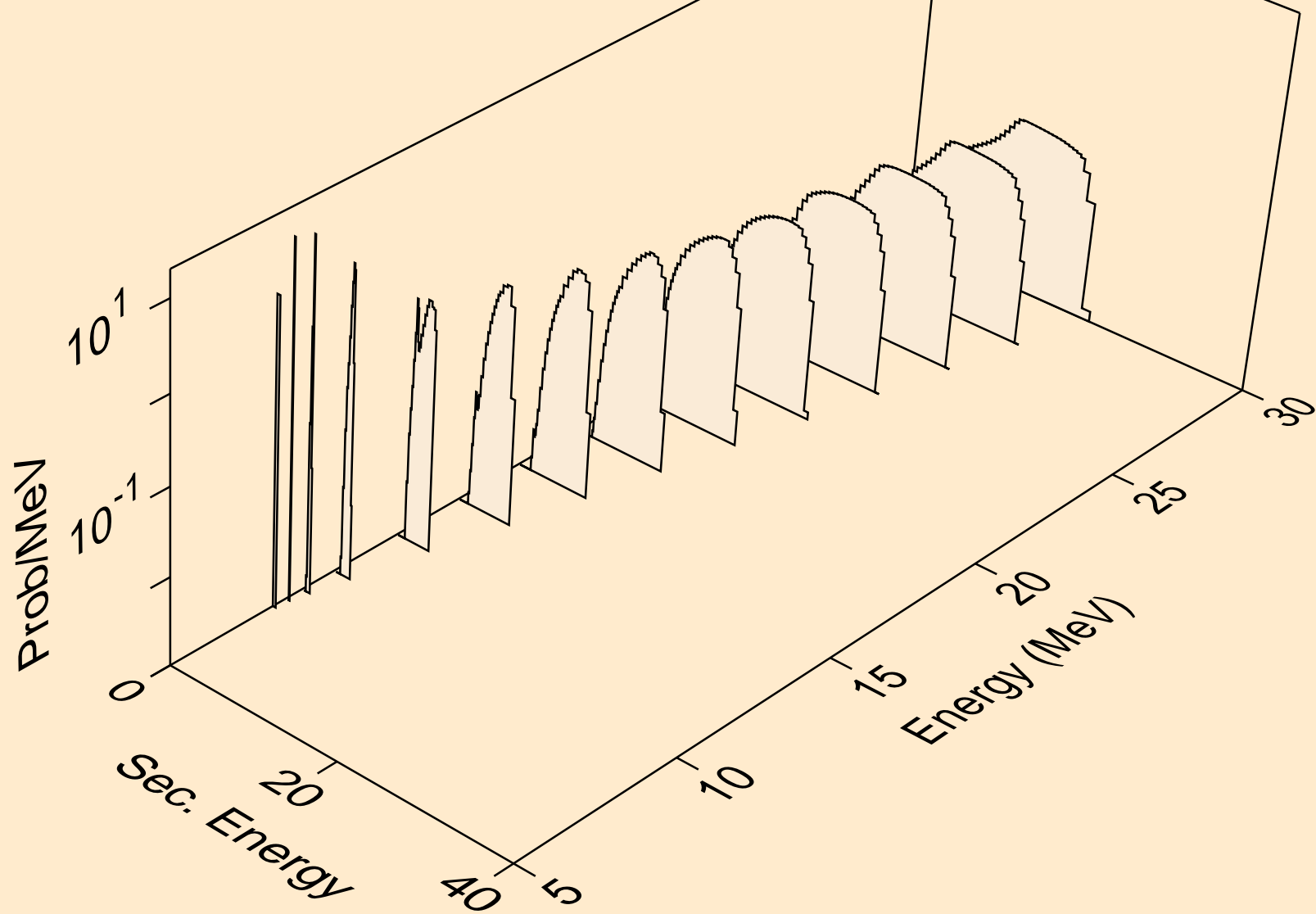




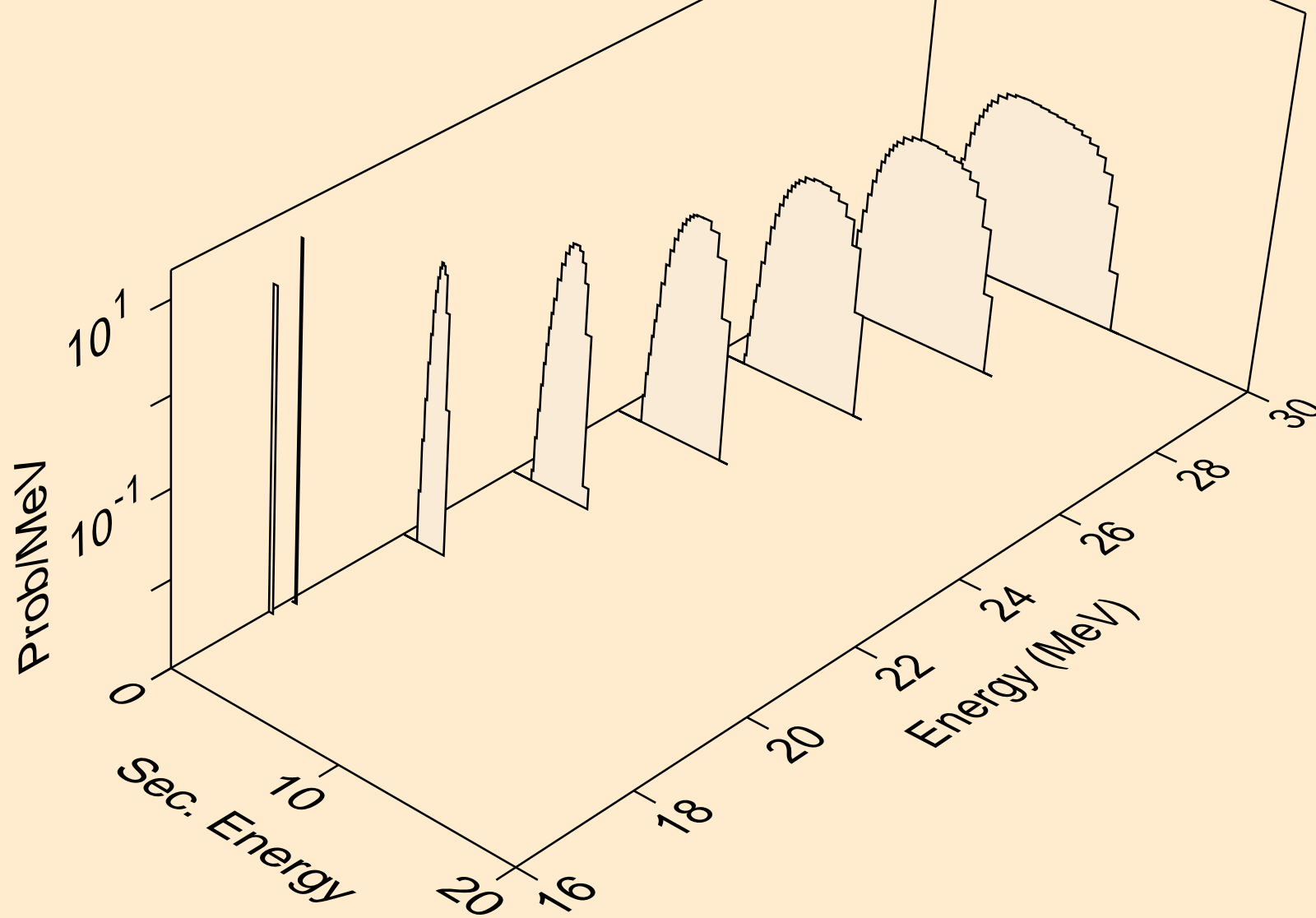
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protons from (n,x)



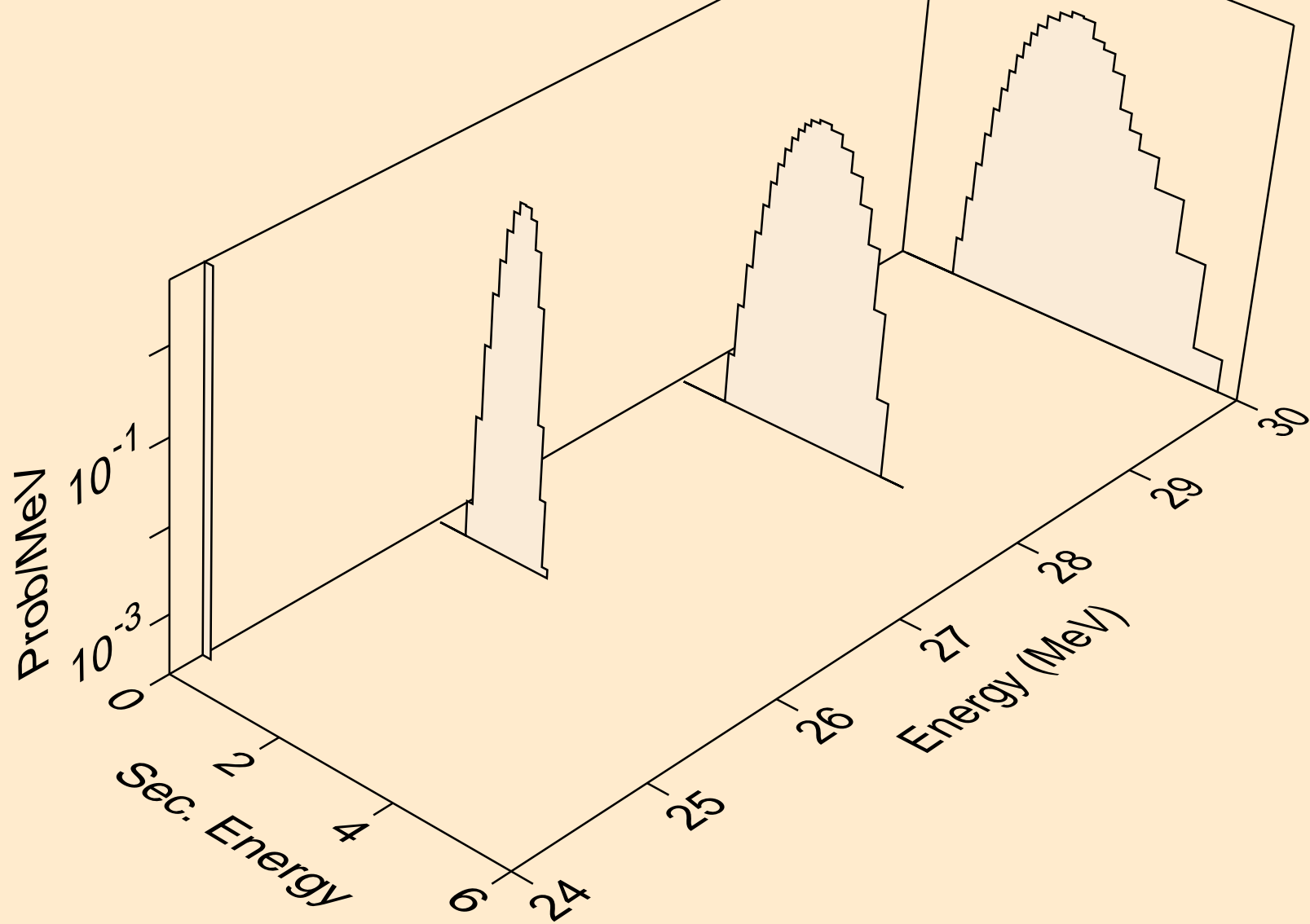
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



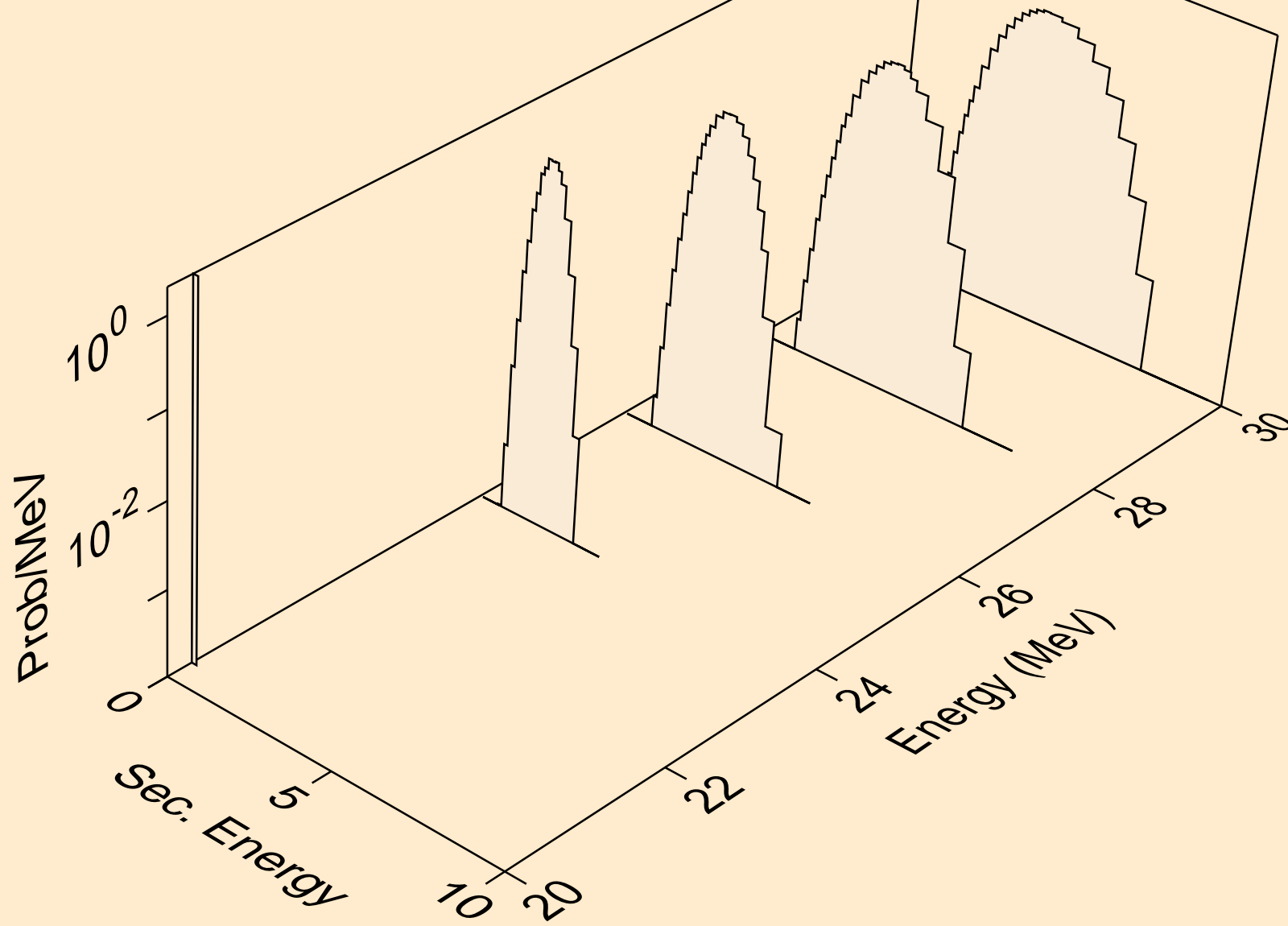
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protons from (n,2np)



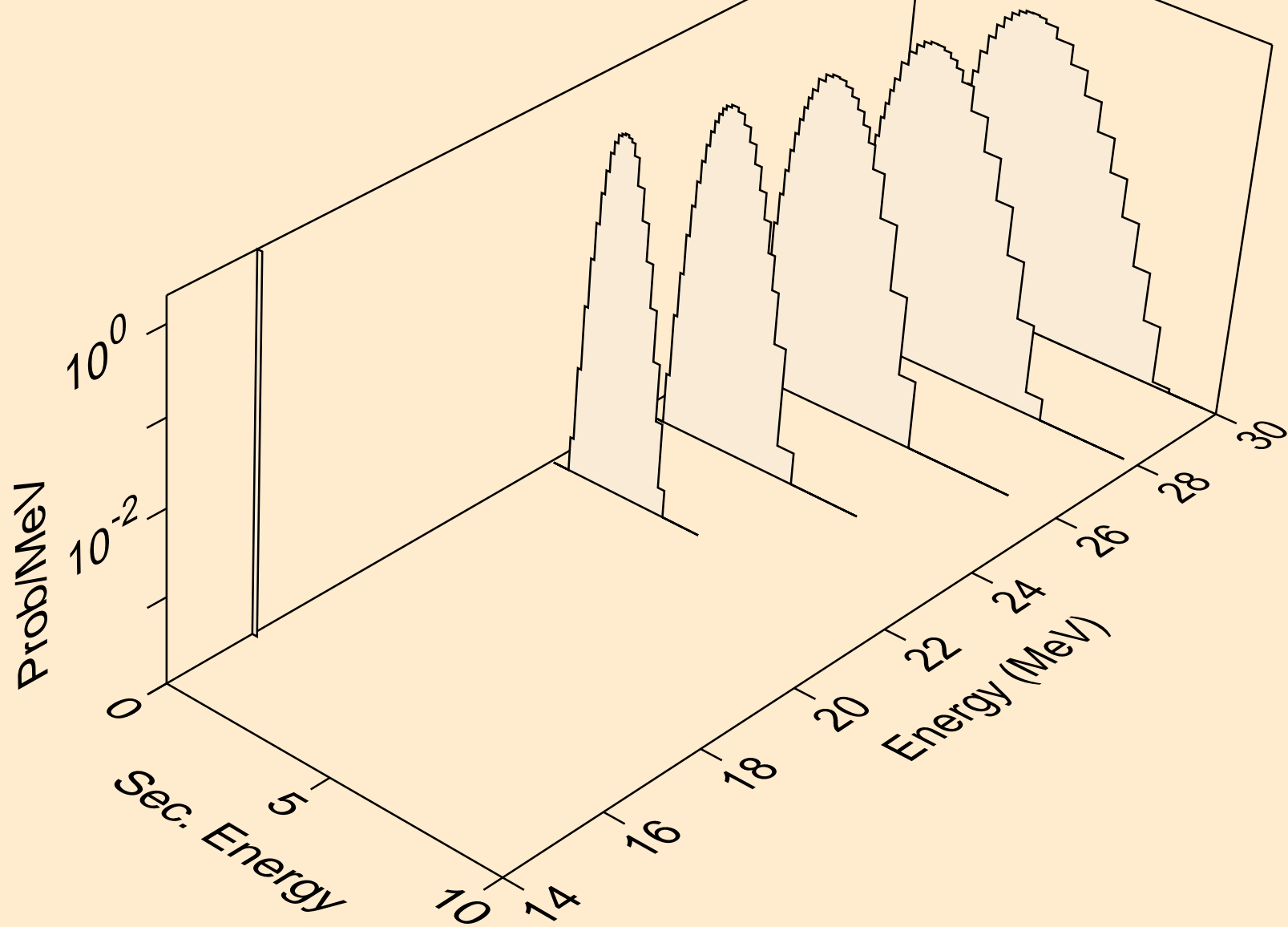
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protons from (n,3np)



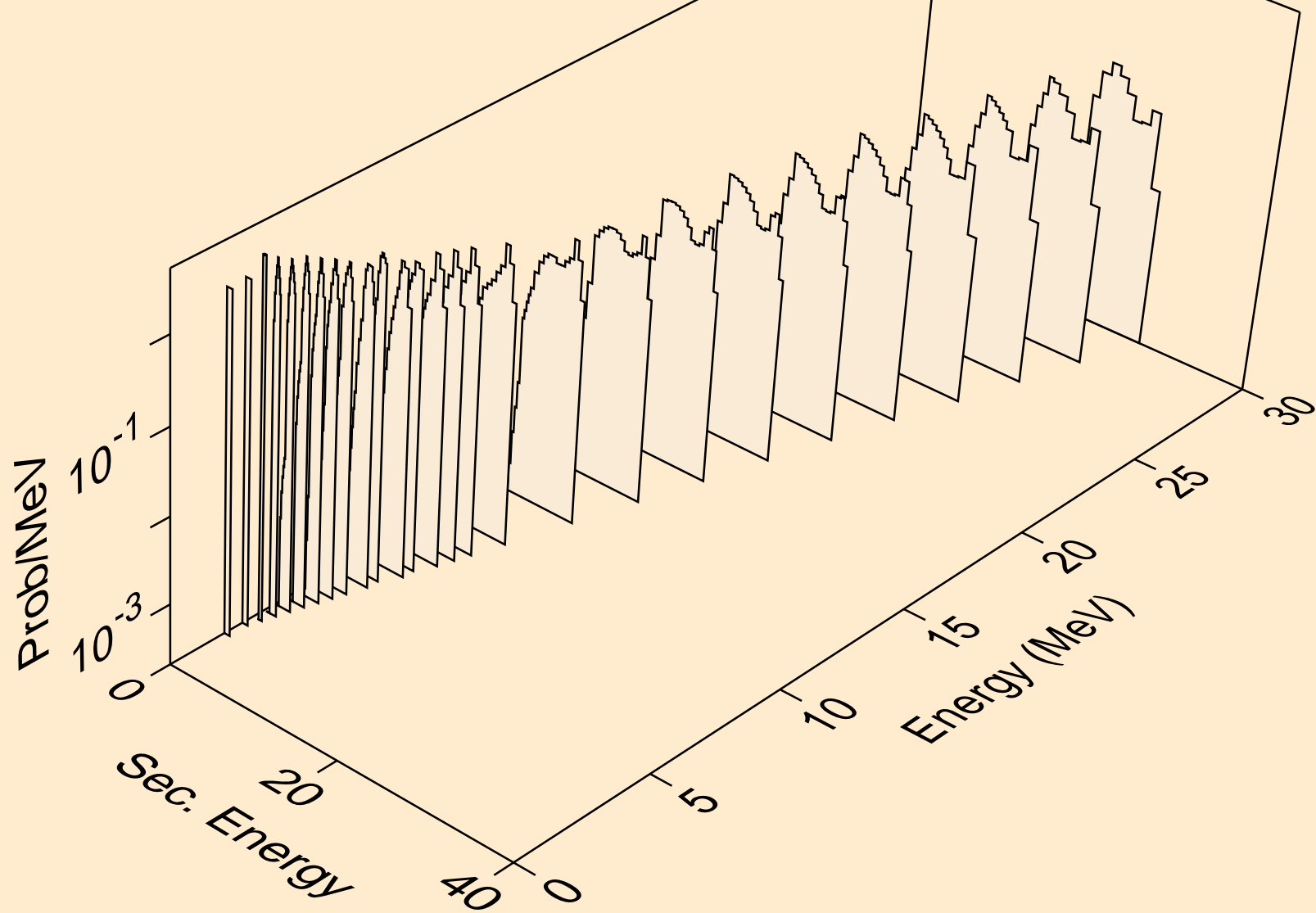
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protons from (n,n2p)



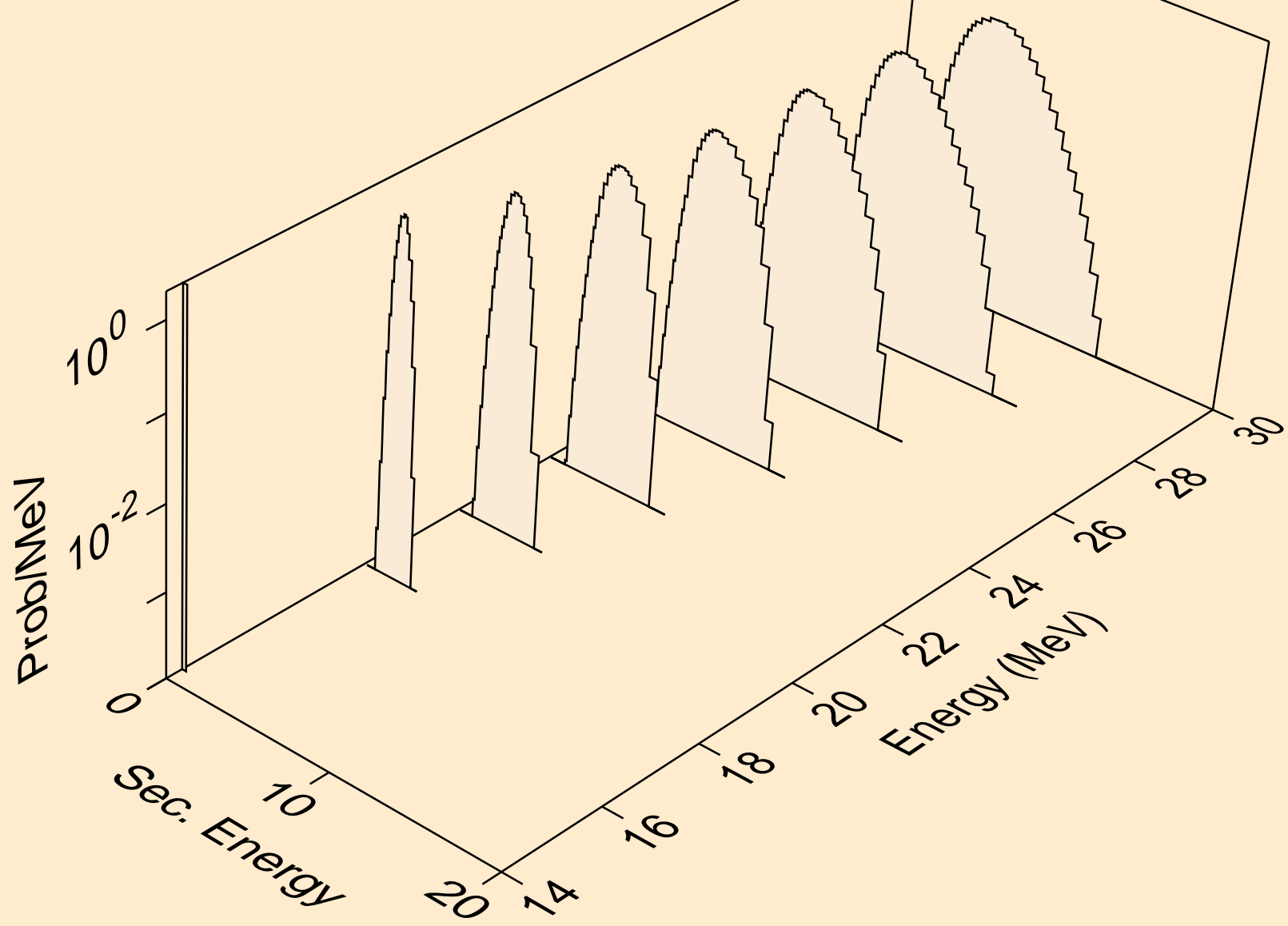
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protons from (n,npa)



AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)

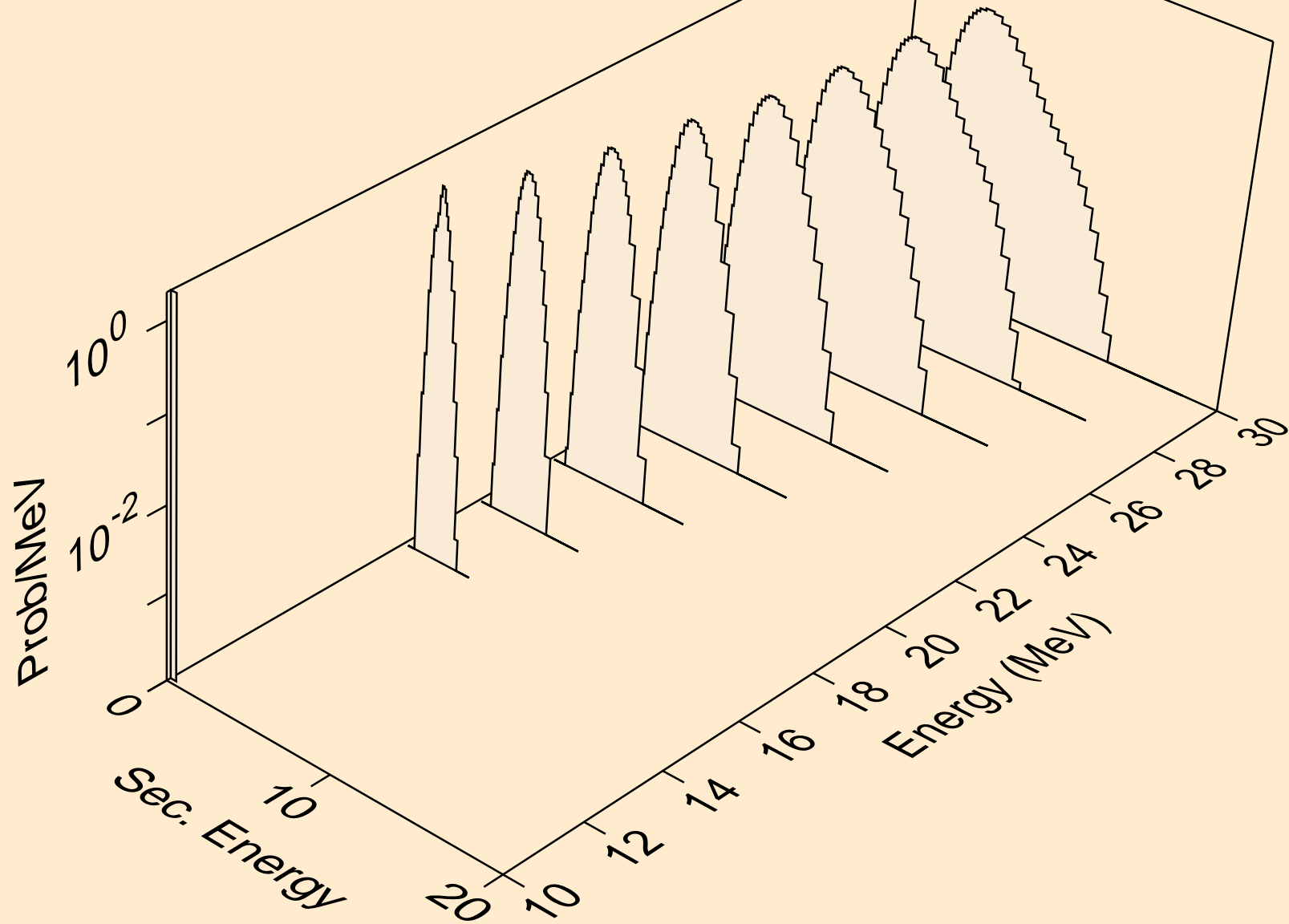


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protons from (n,2p)

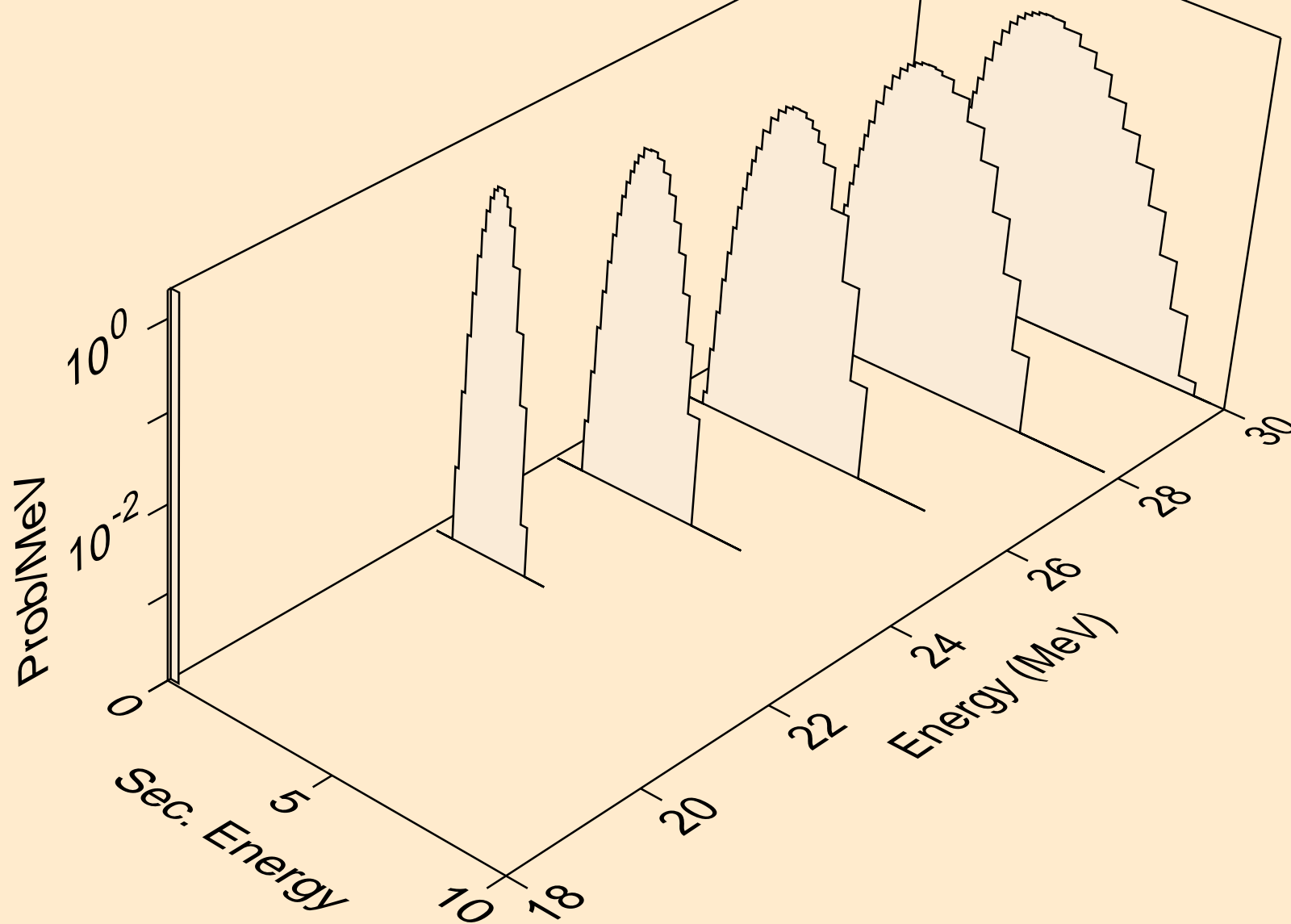




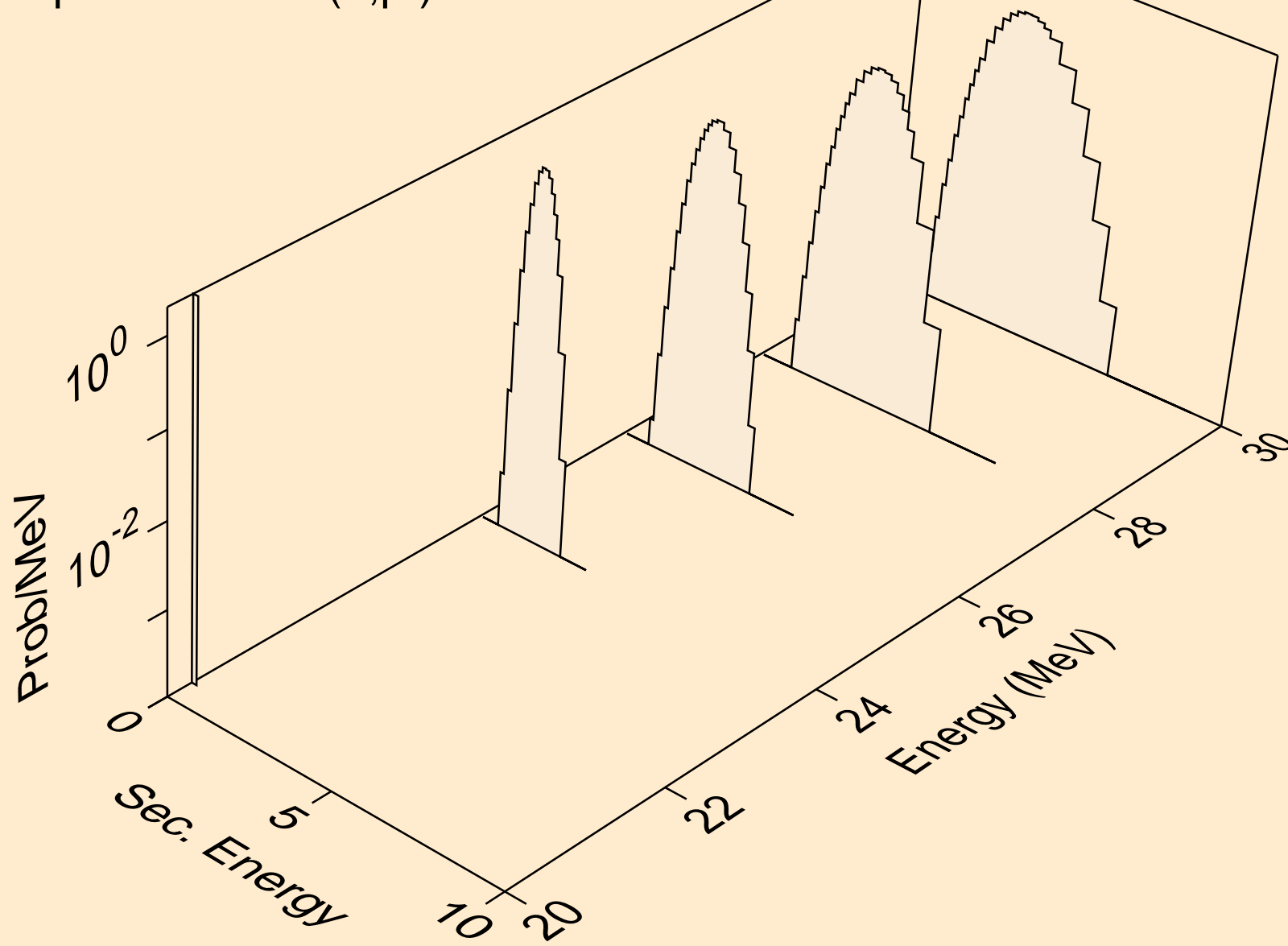
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protons from (n,p)



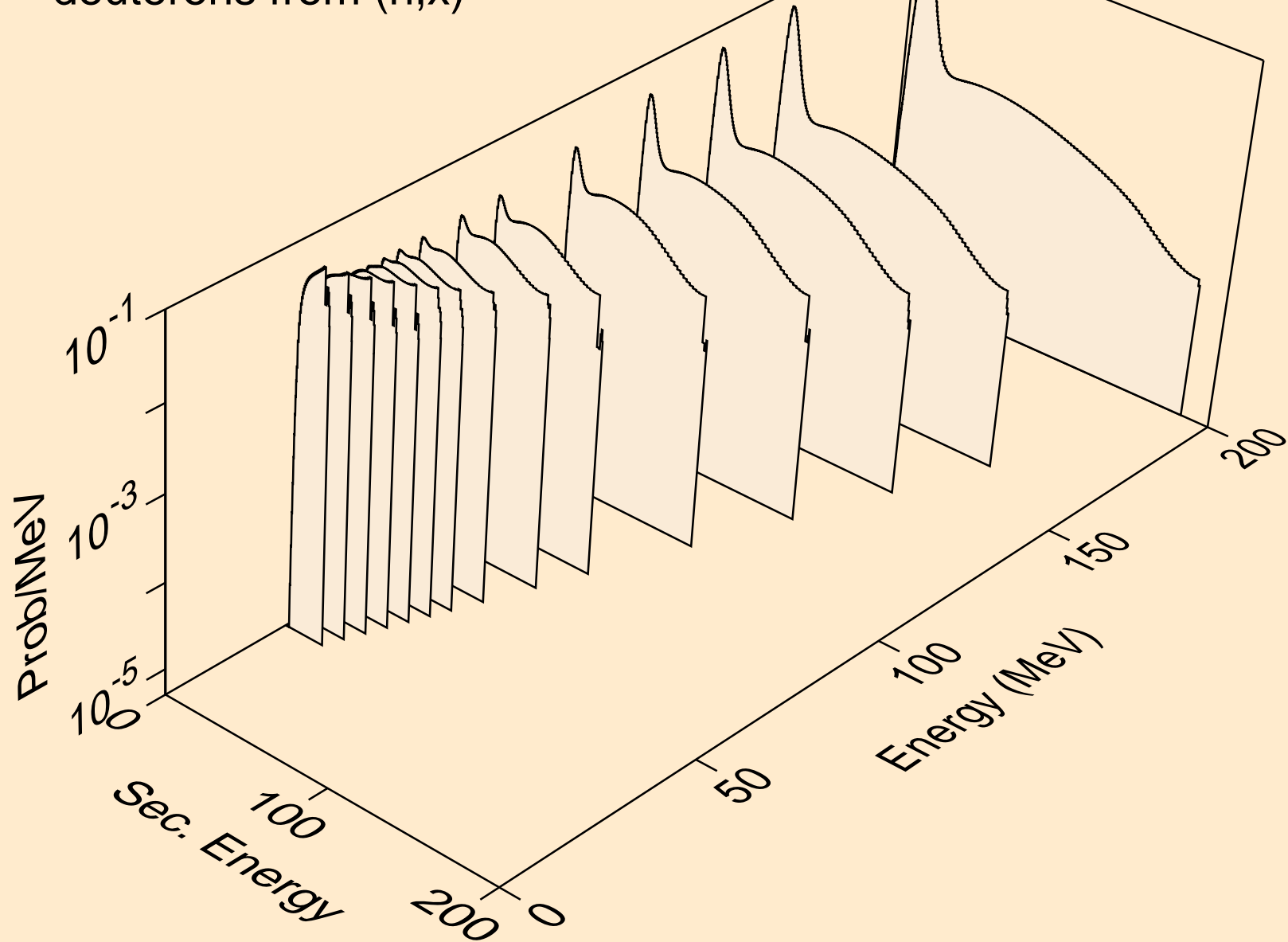
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protons from (n,pd)



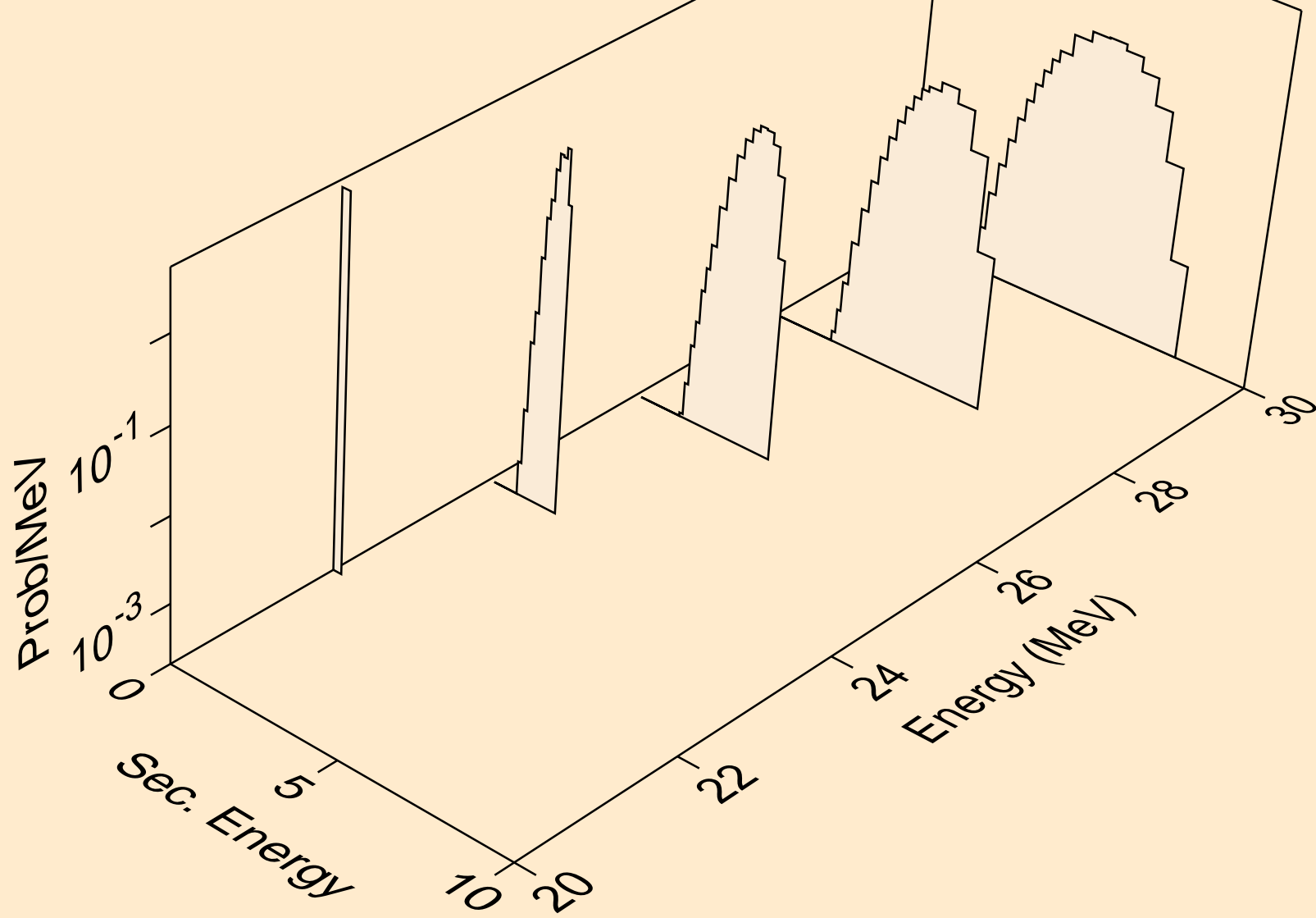
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protons from (n,pt)



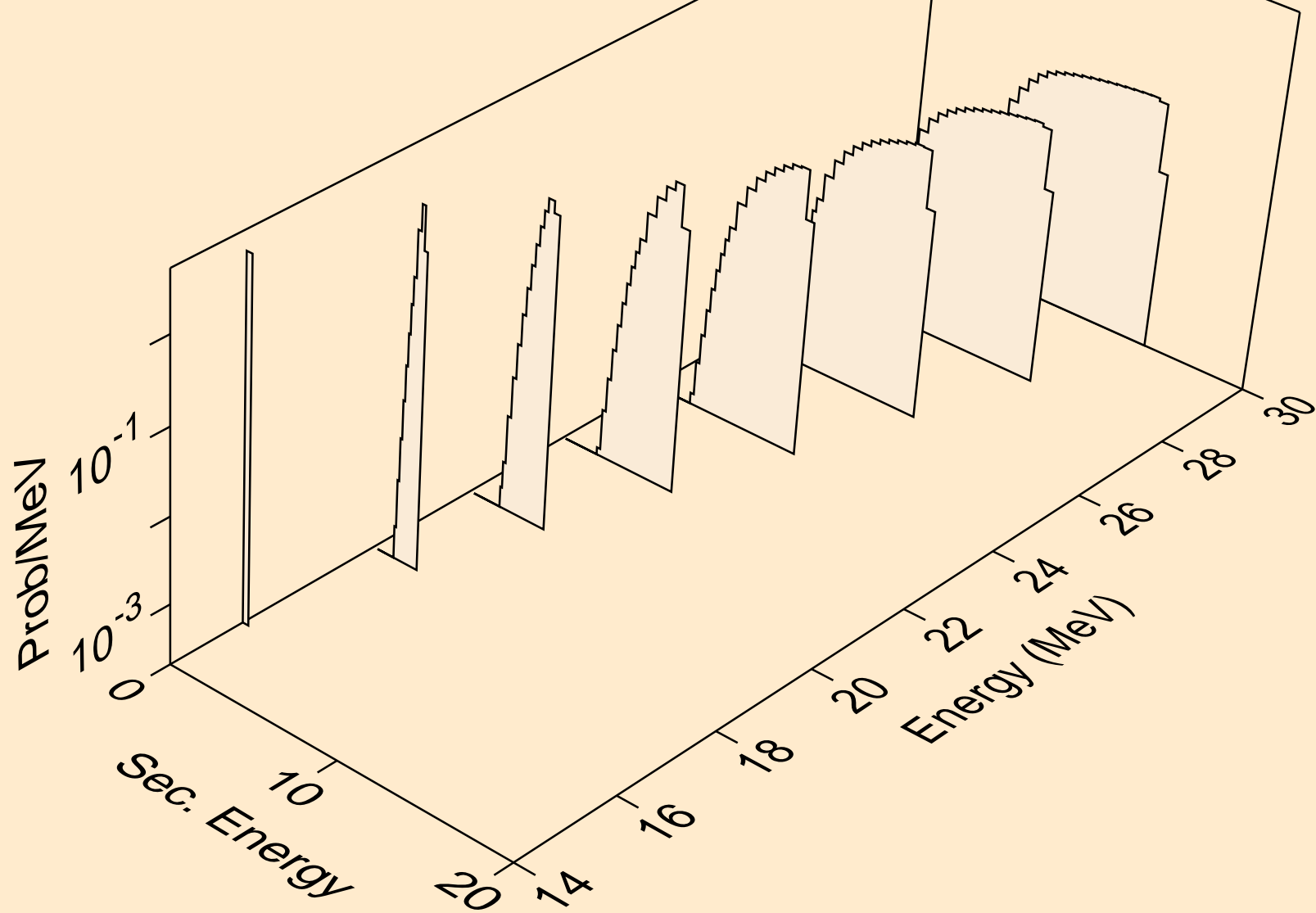
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deuterons from (n,x)



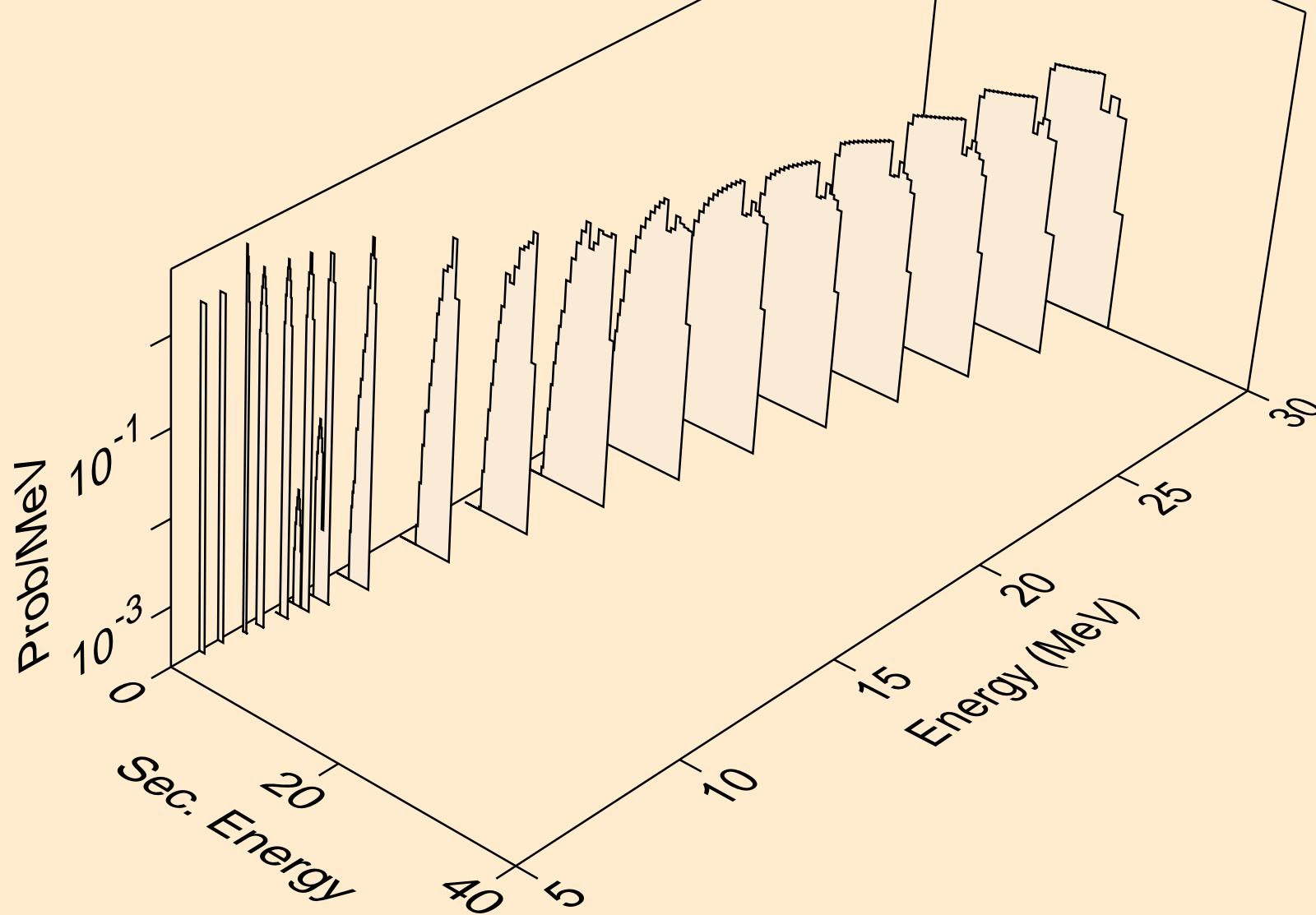
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deuterons from (n,2nd)



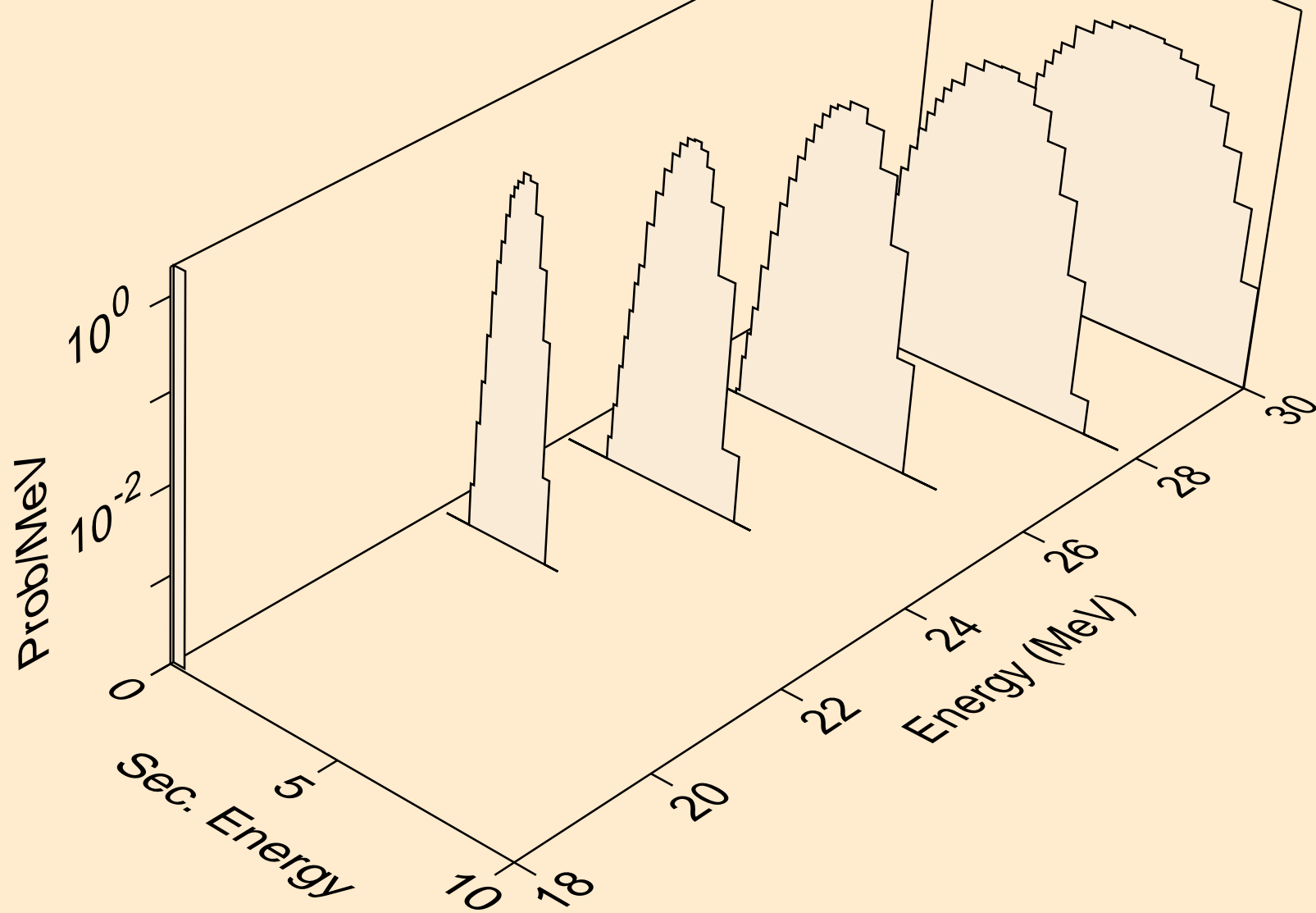
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,n\*)d



AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,d)

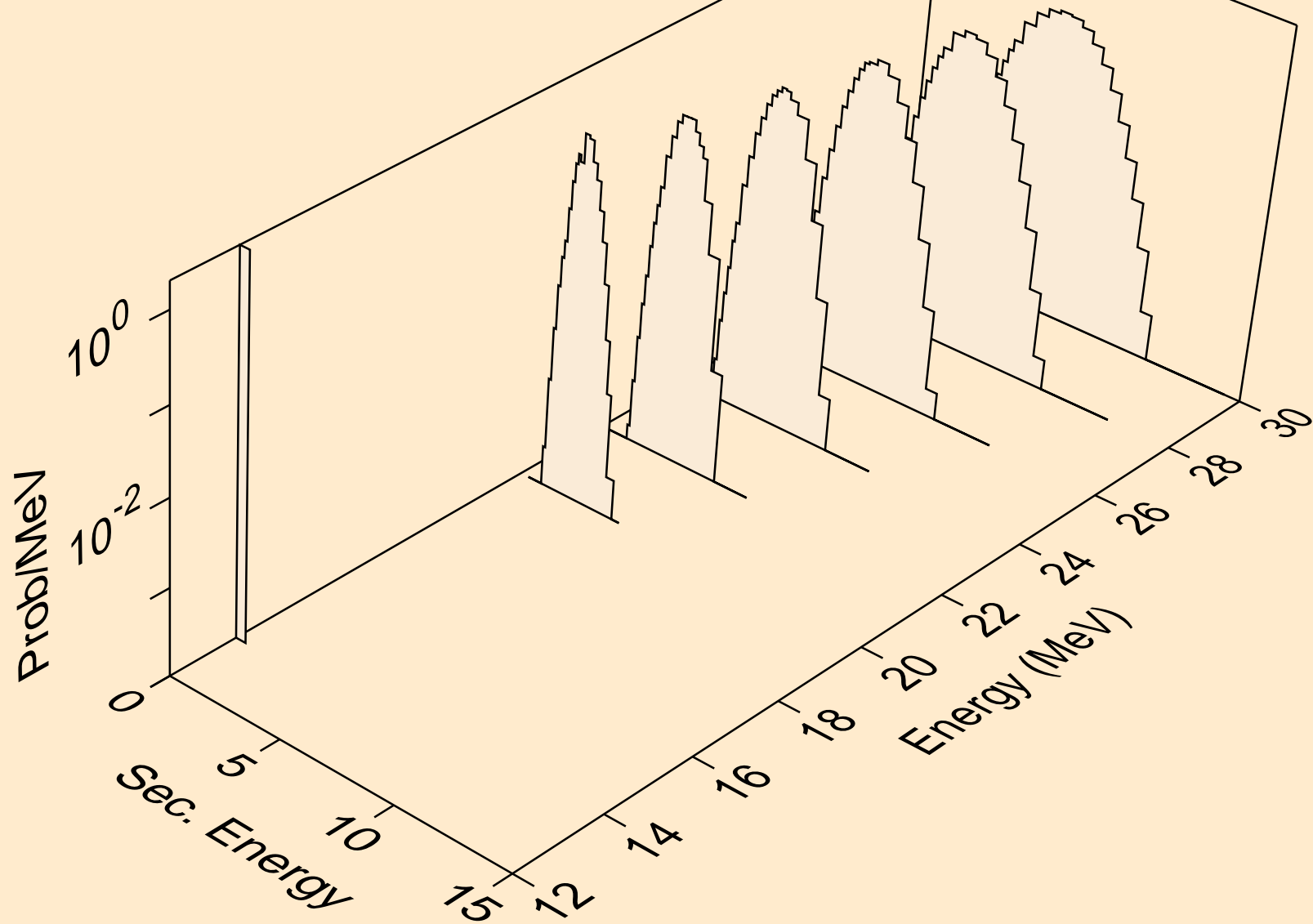


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deuterons from (n,pd)

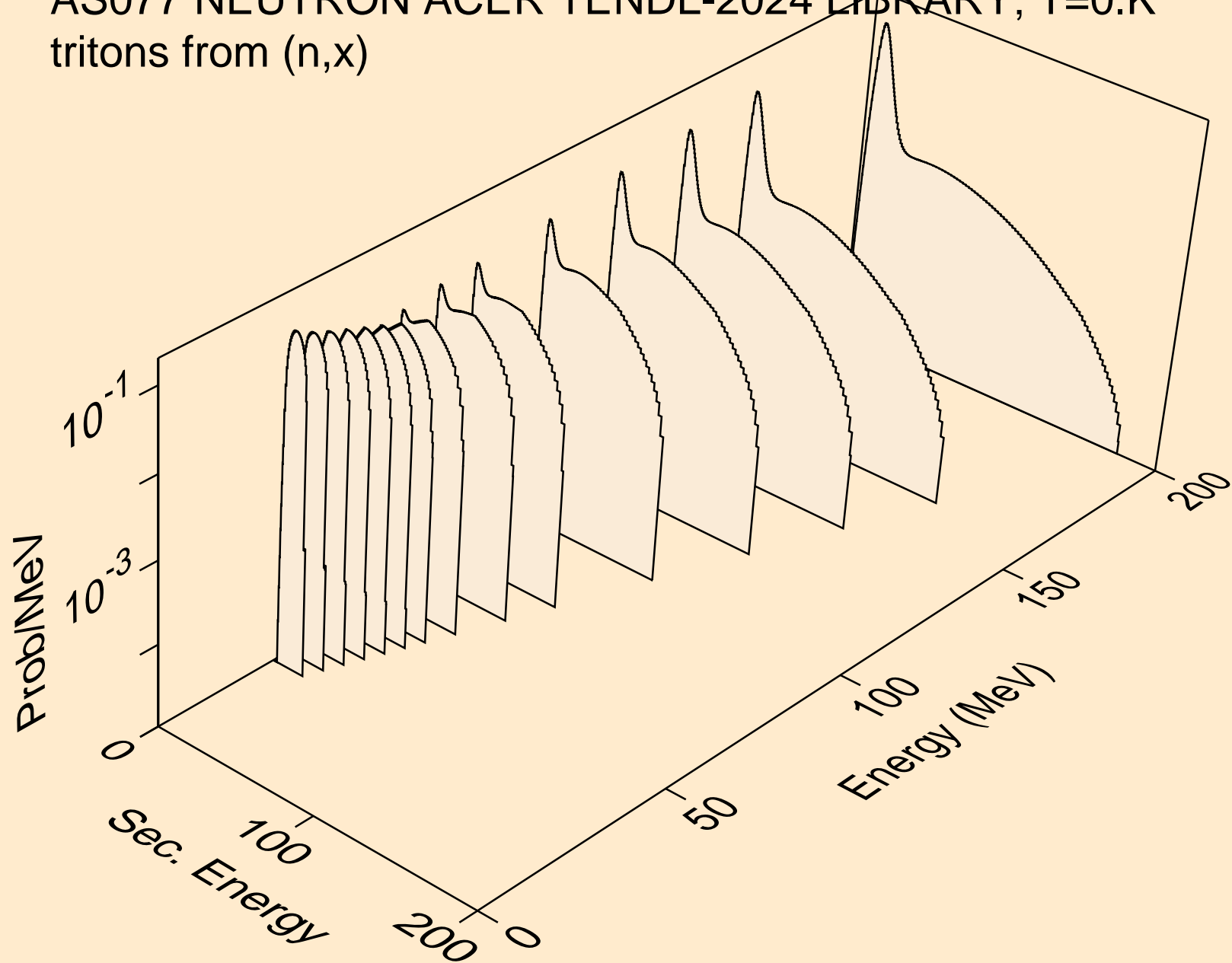




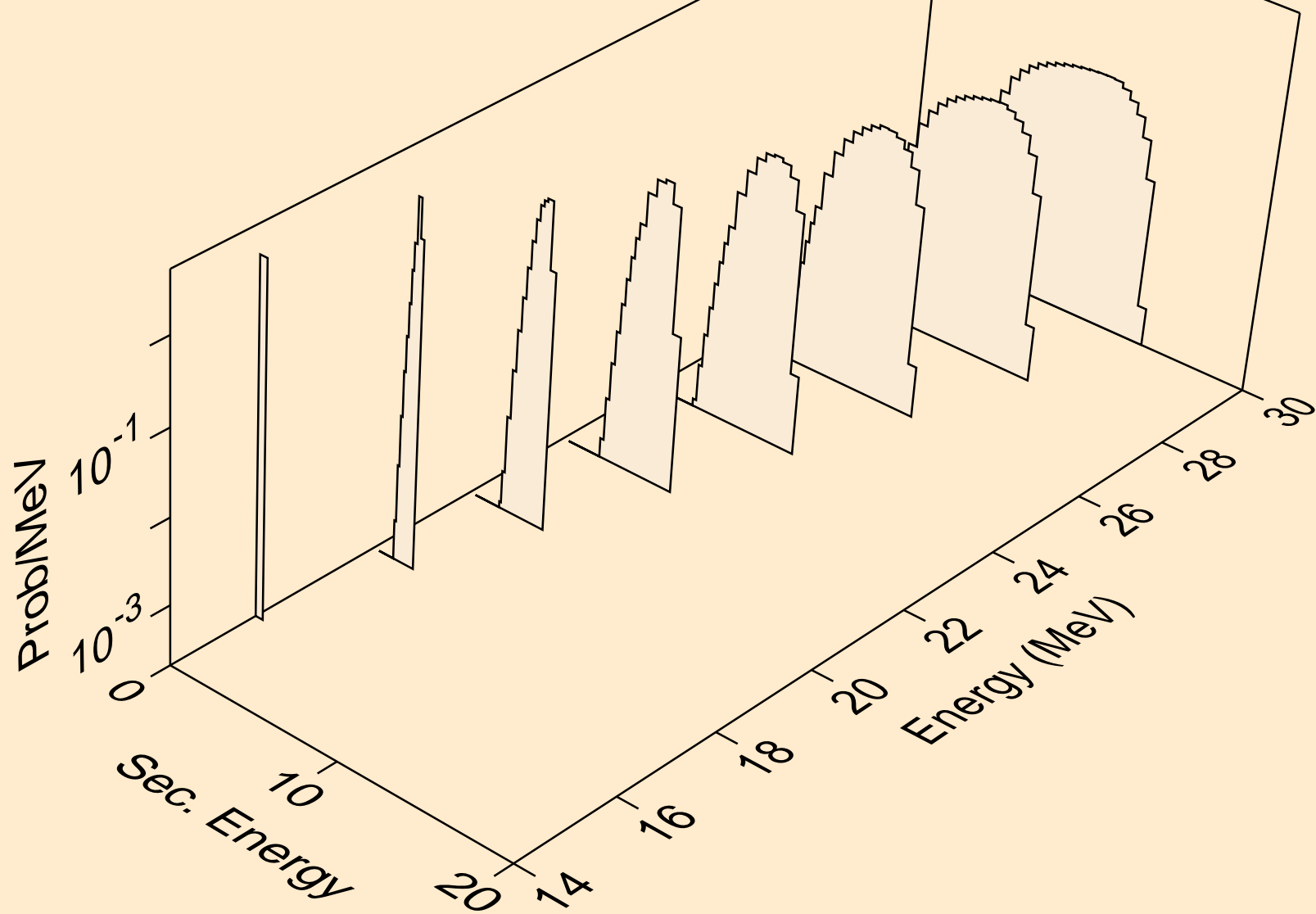
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deuterons from (n,da)



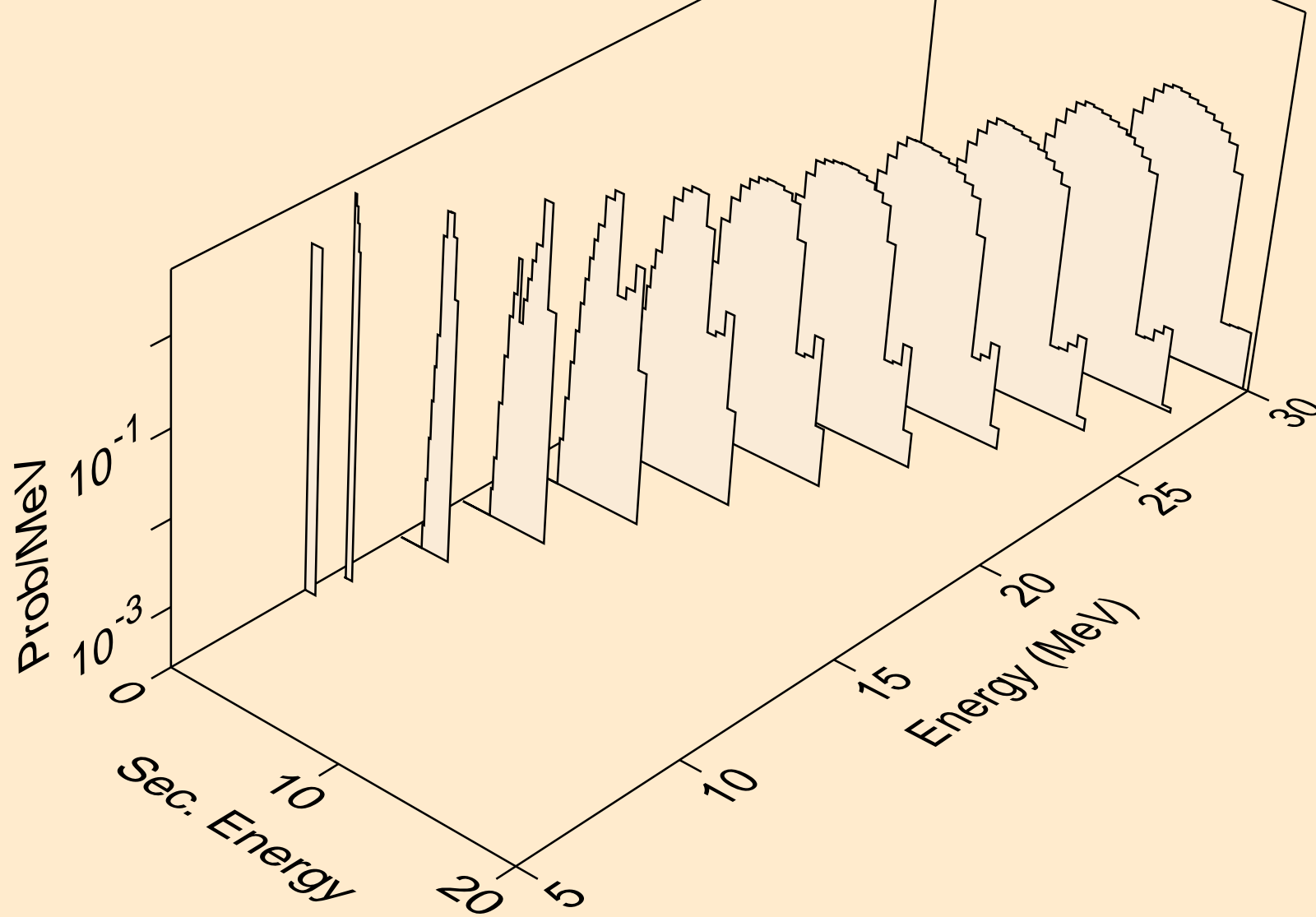
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tritons from (n,x)



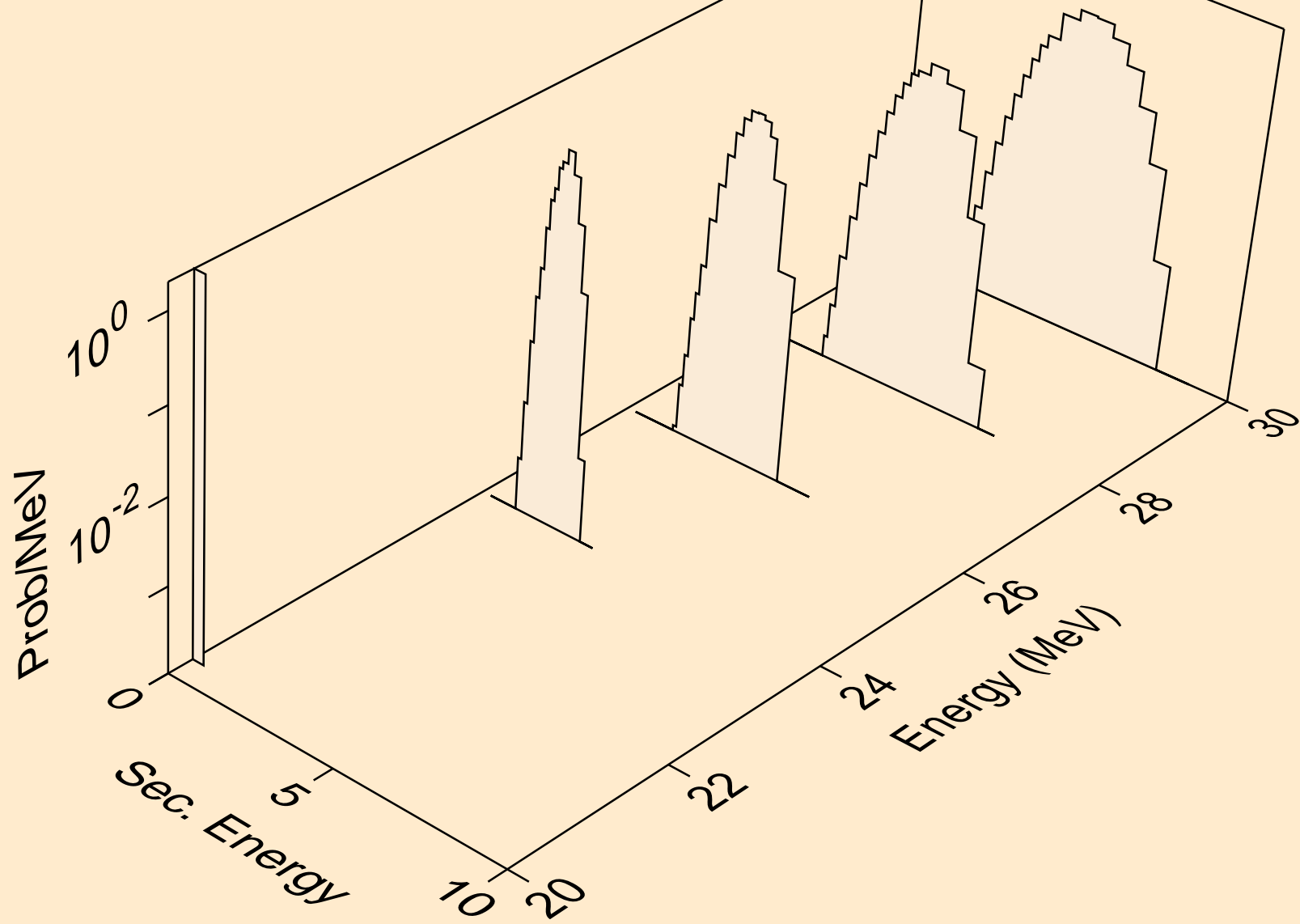
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tritons from (n,n\*)t



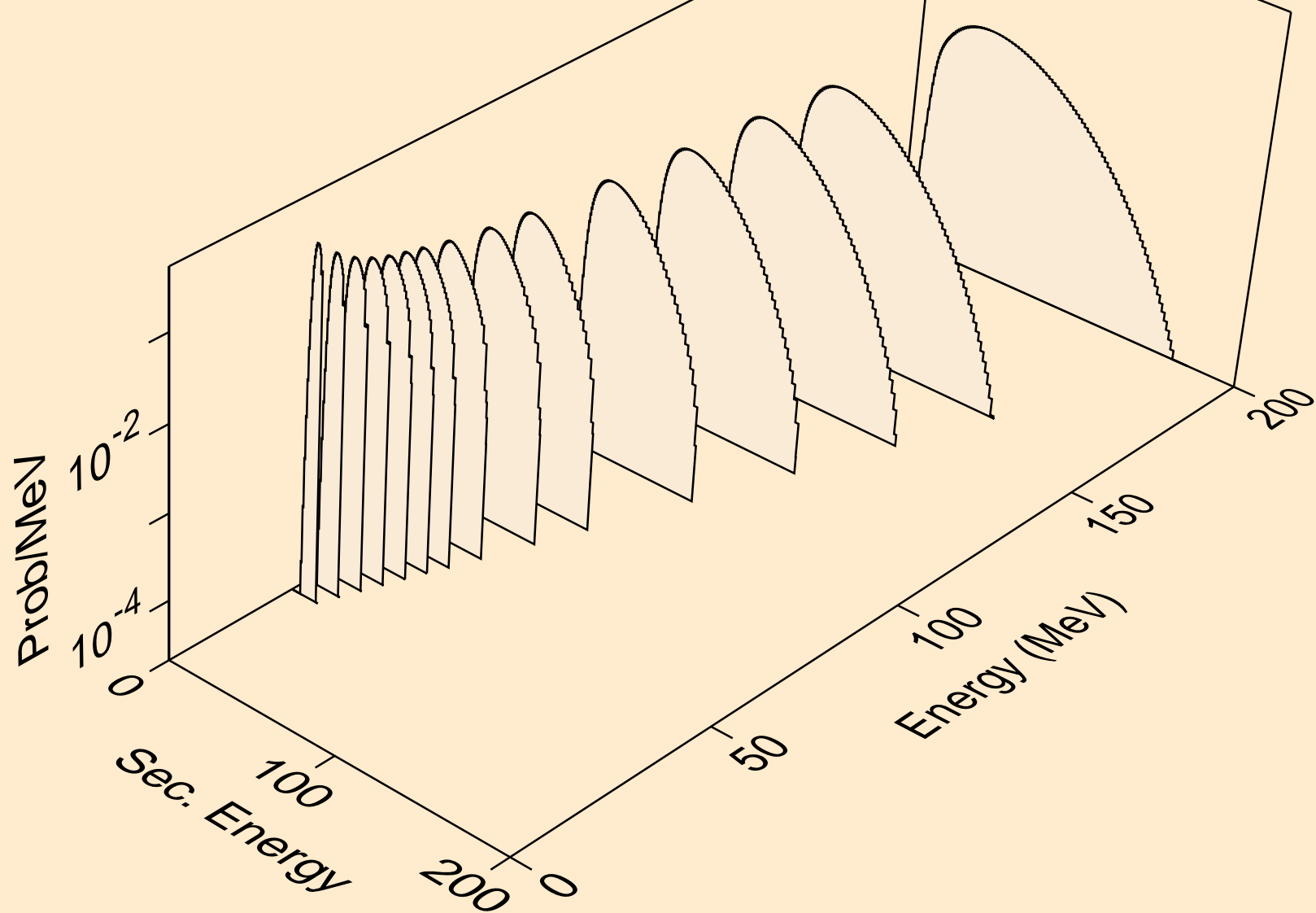
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tritons from (n,t)



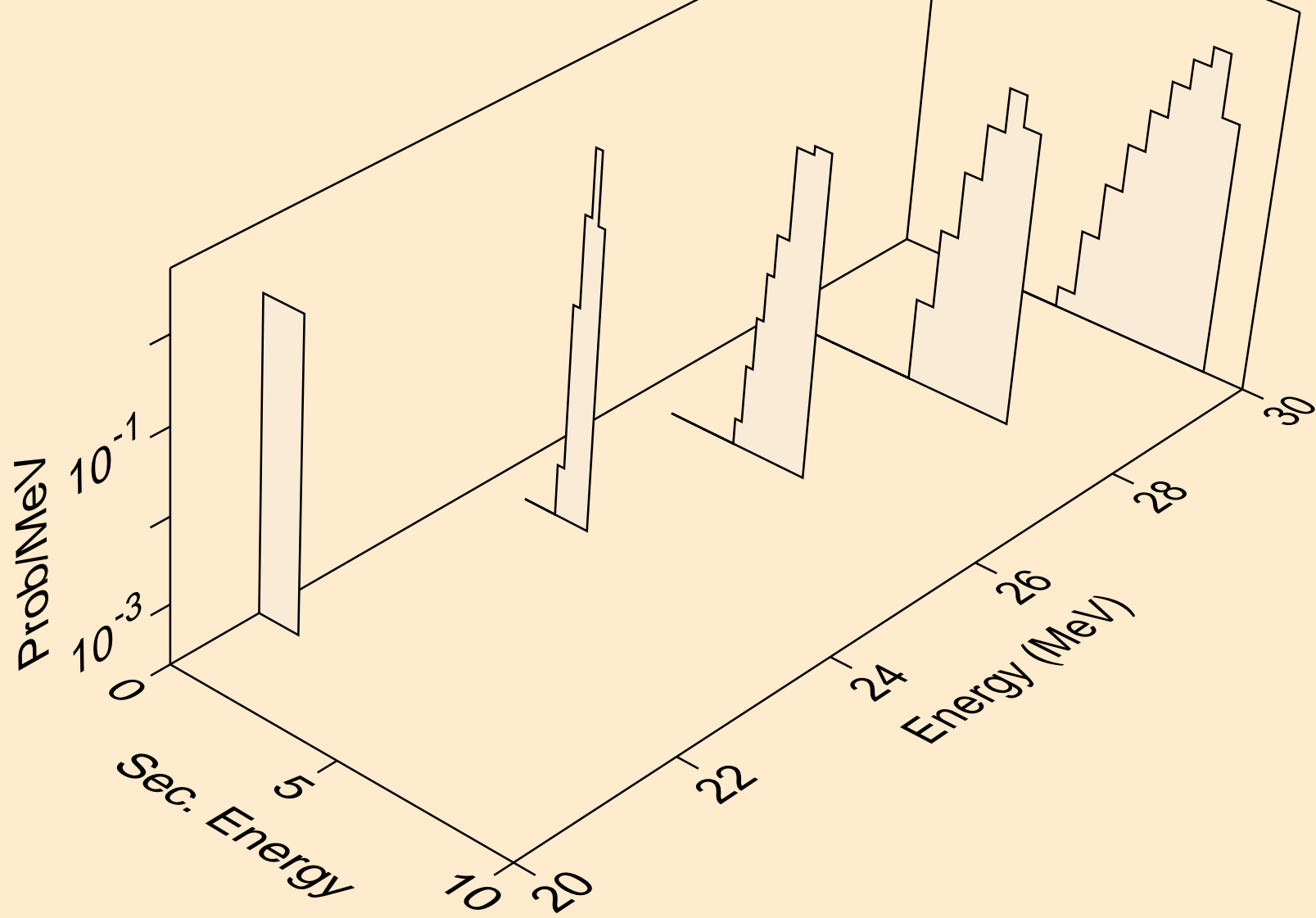
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tritons from (n,pt)



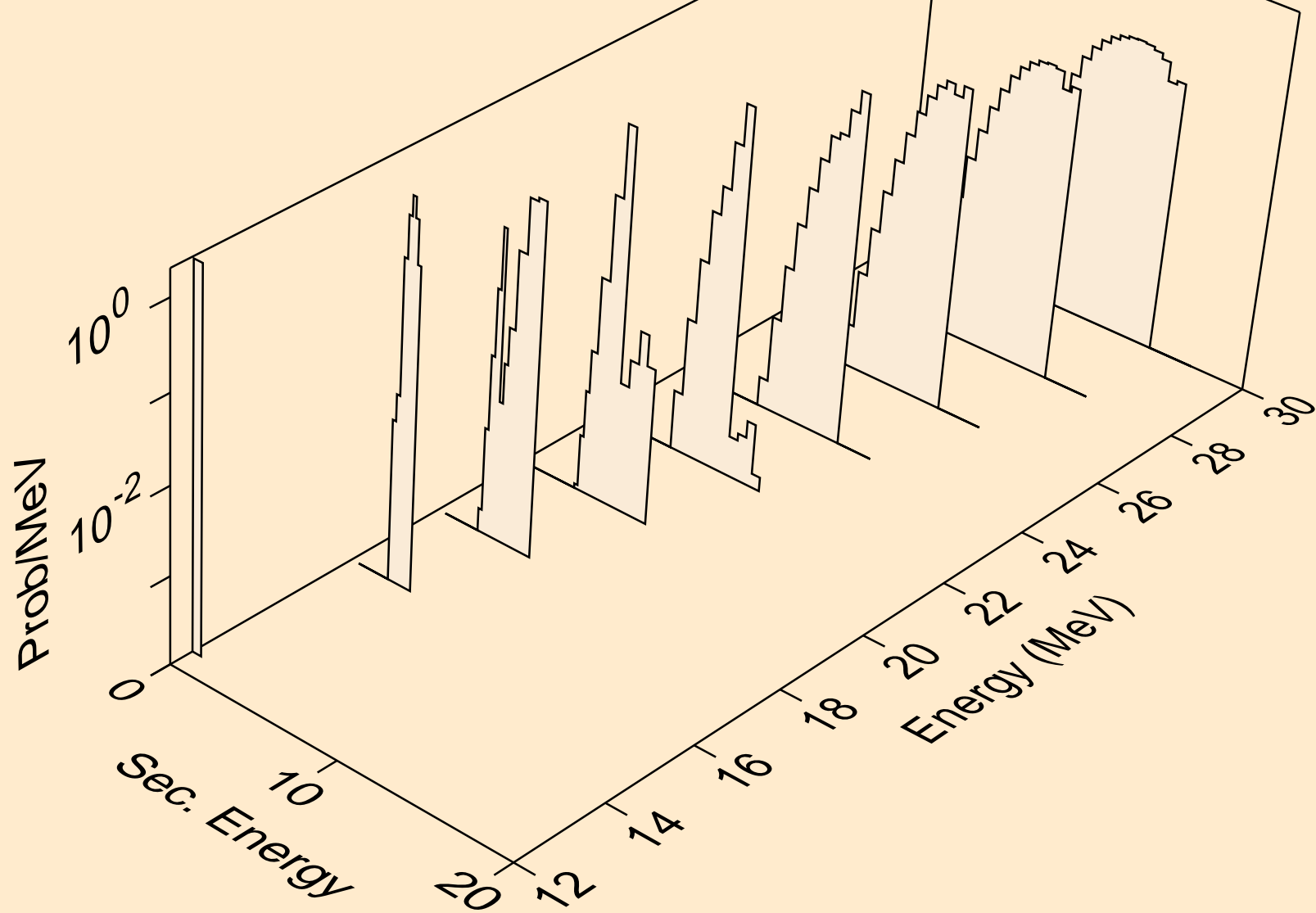
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)



AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3

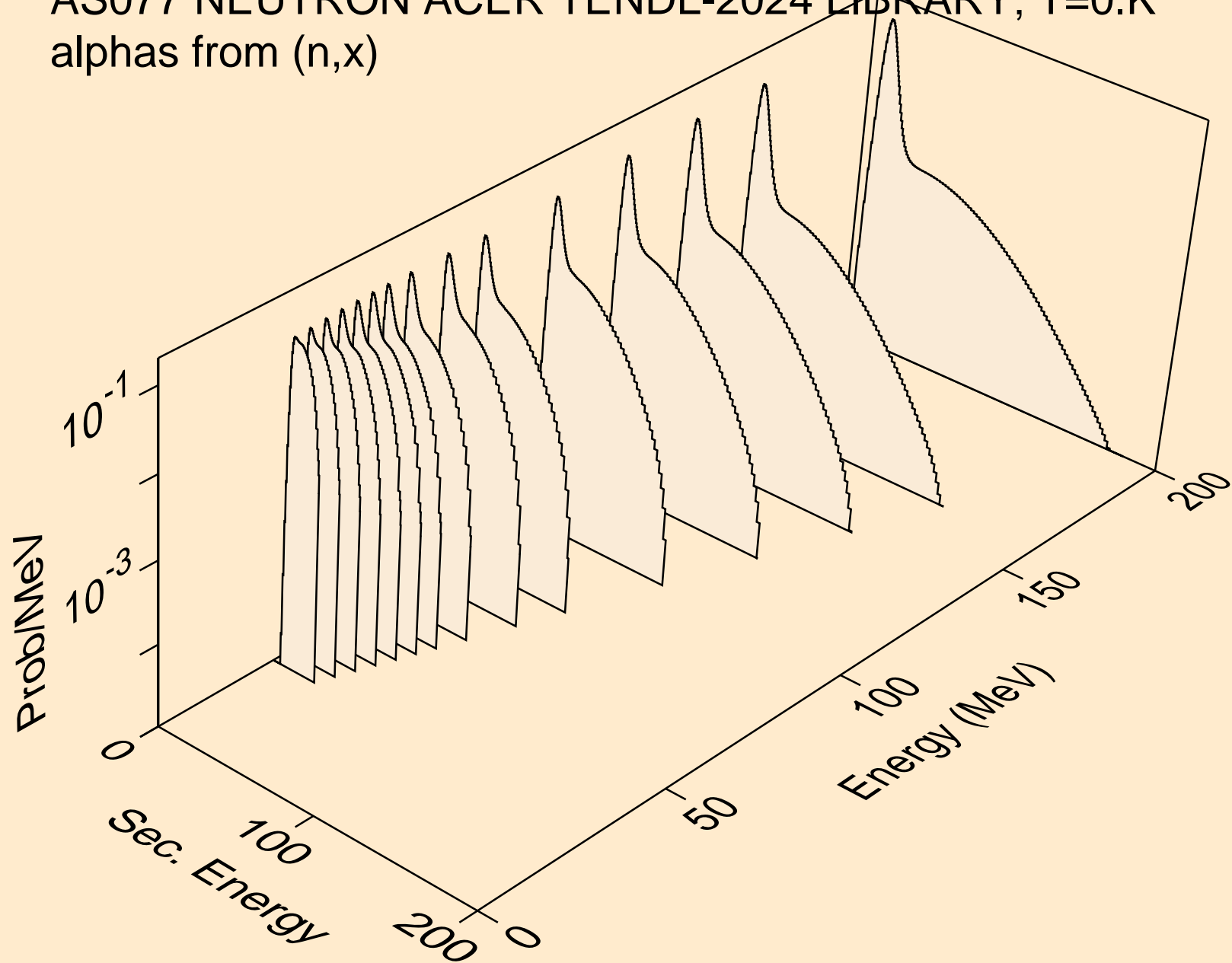


AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)

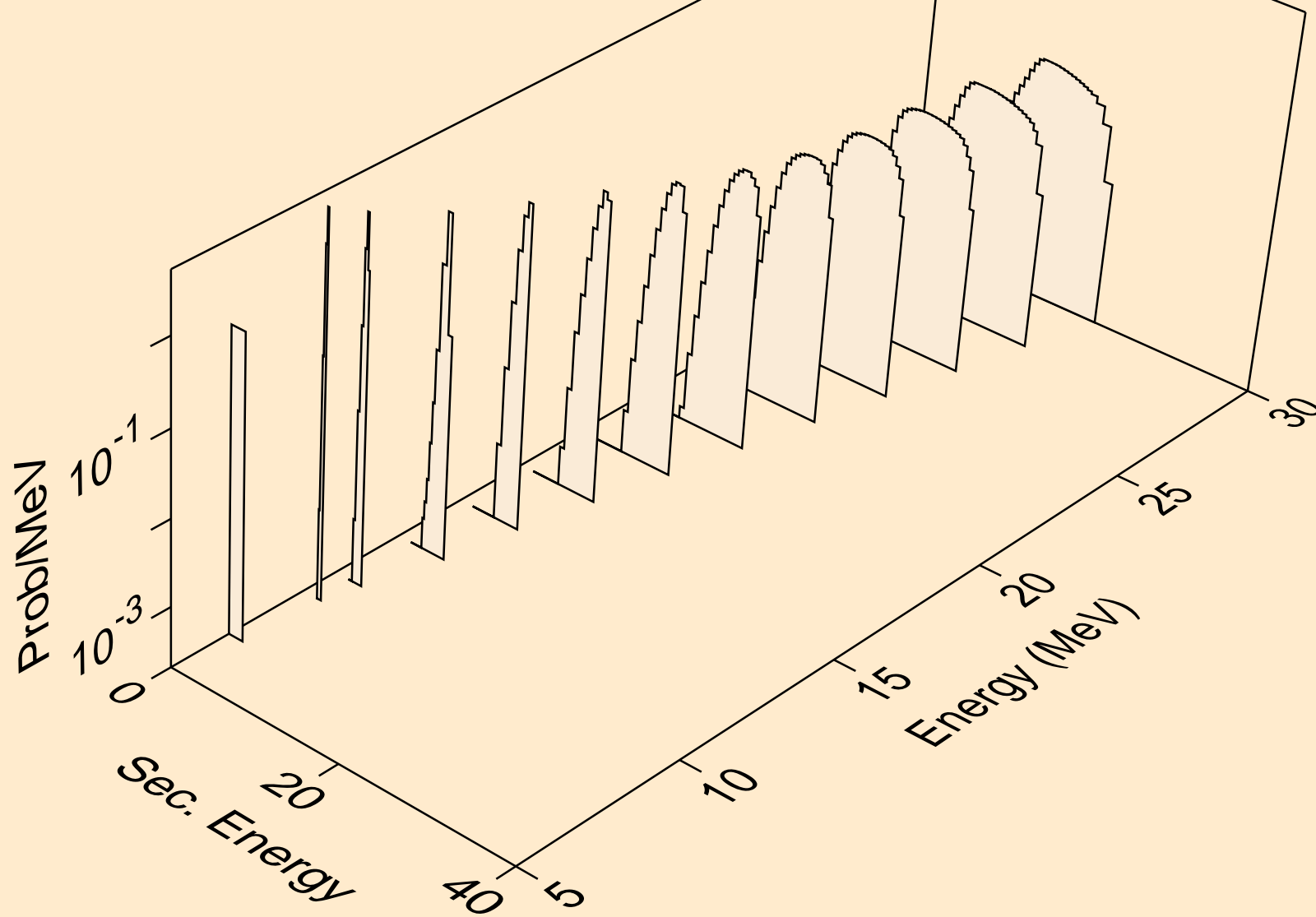




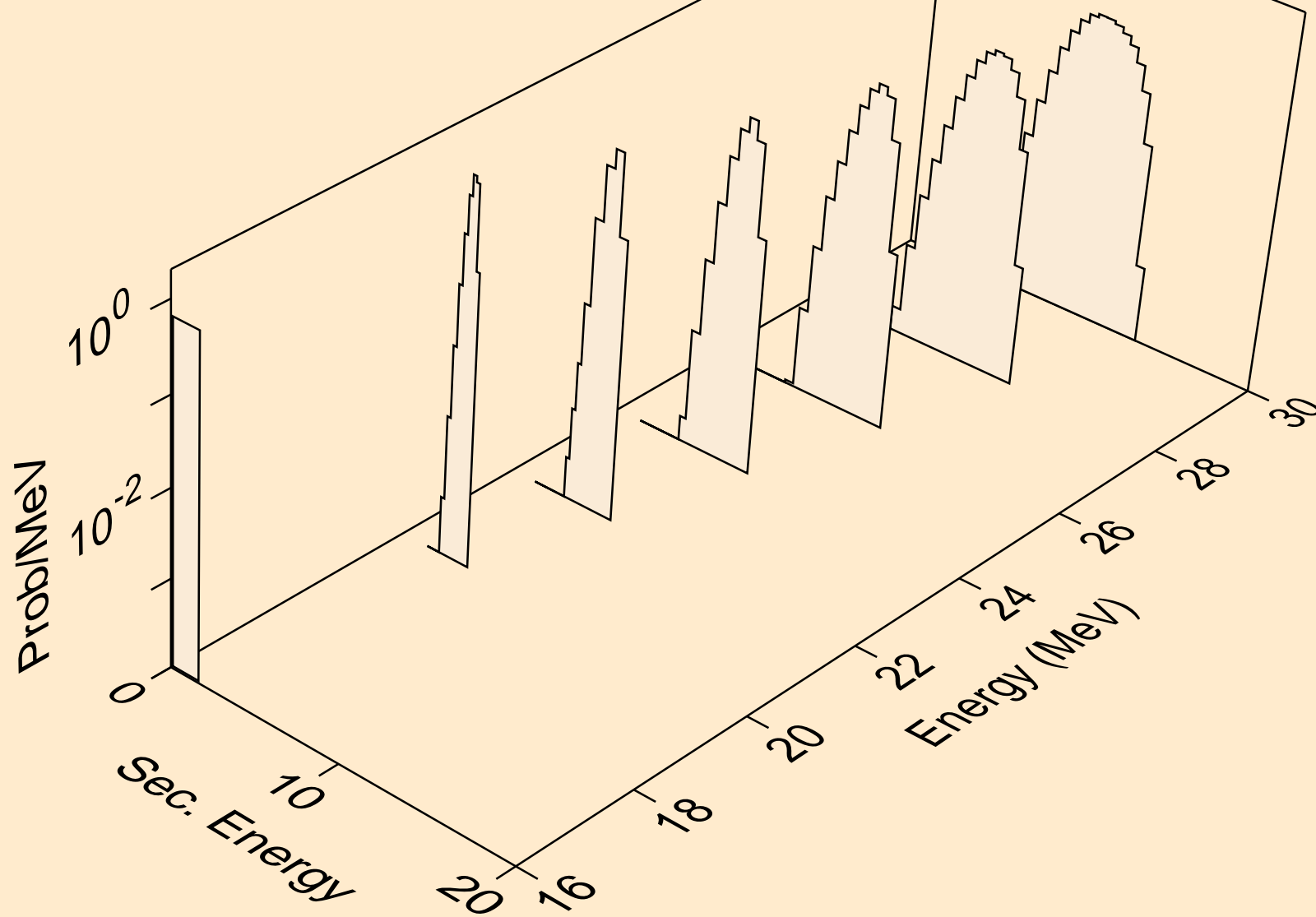
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



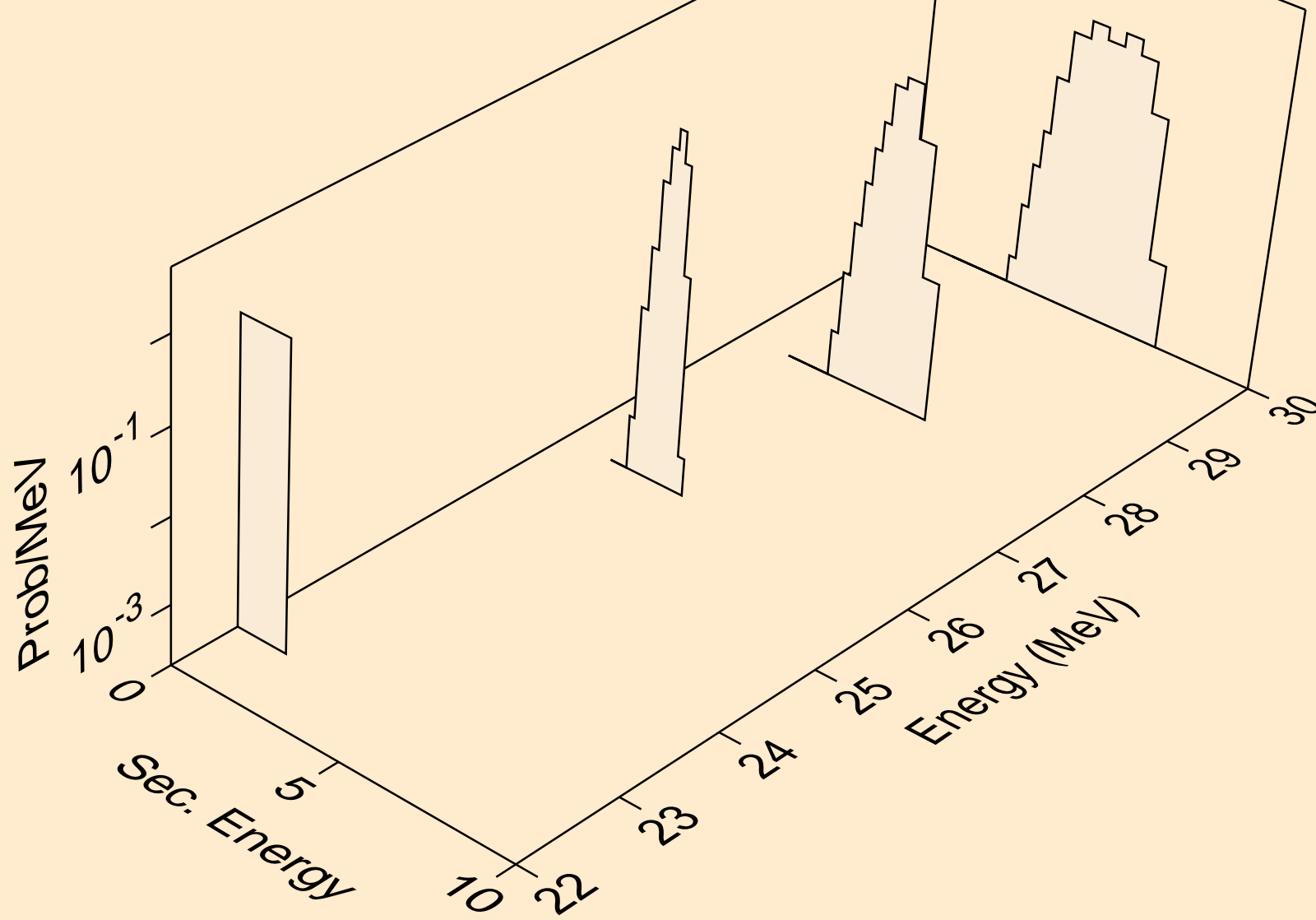
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



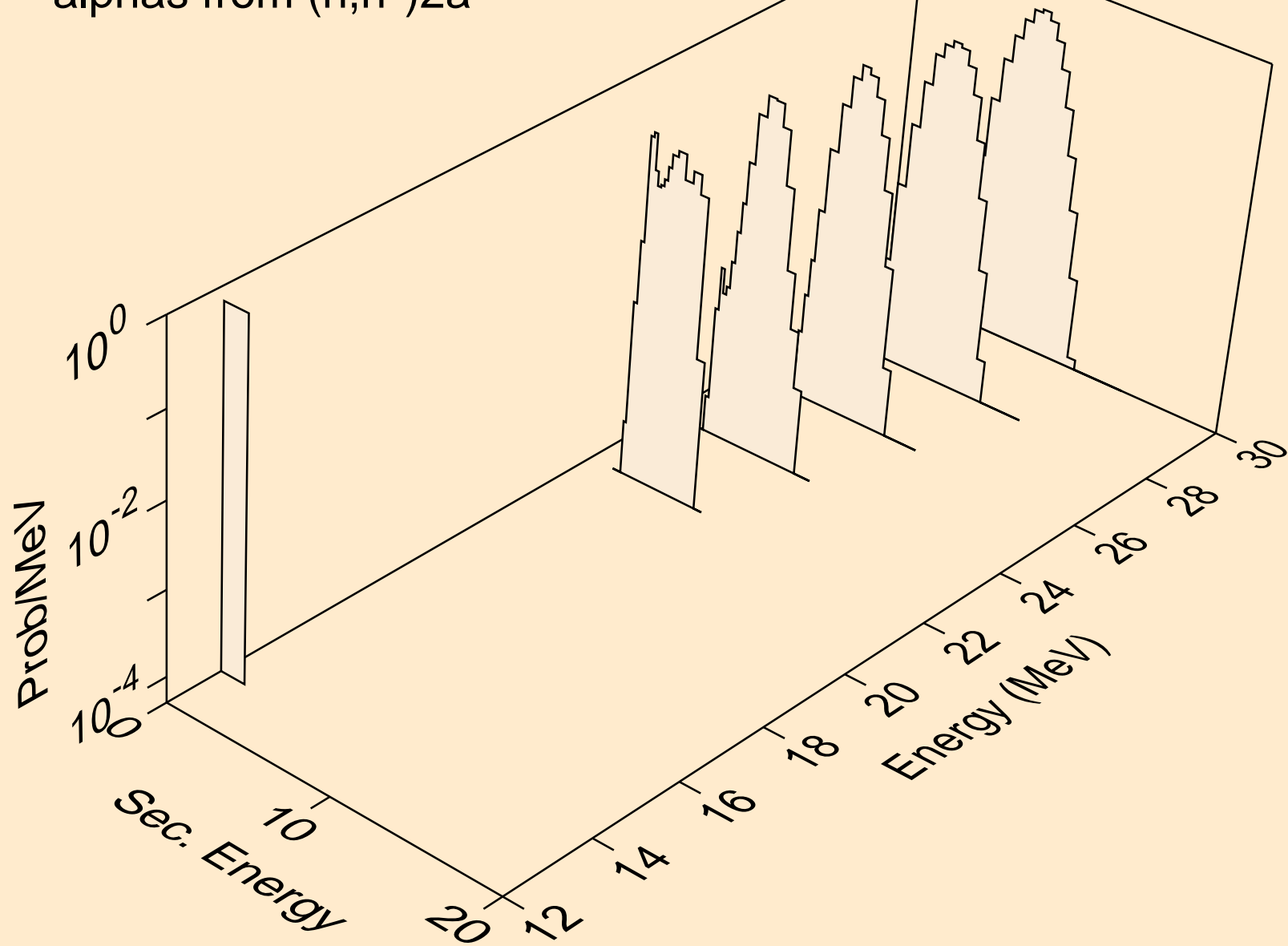
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



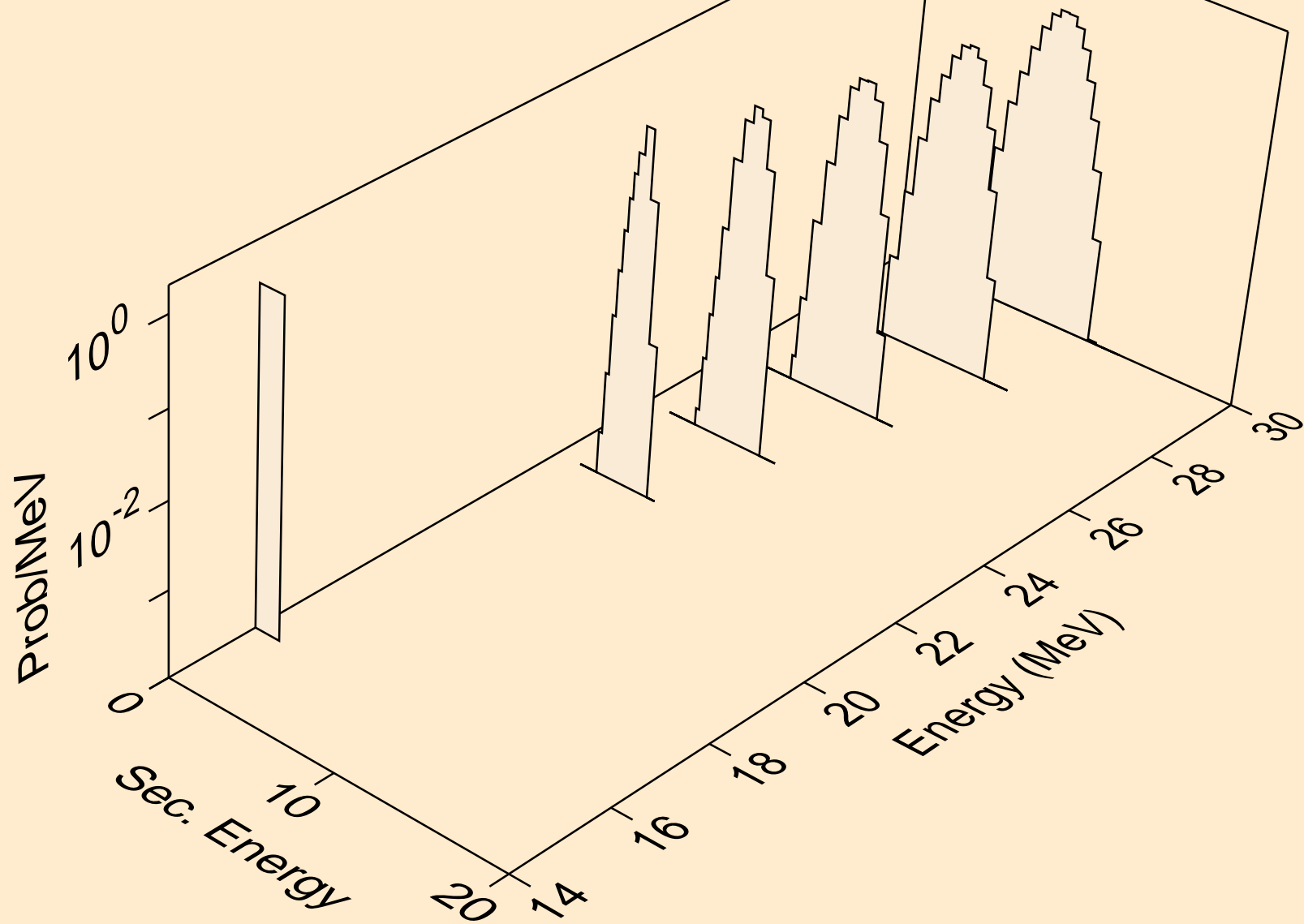
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a



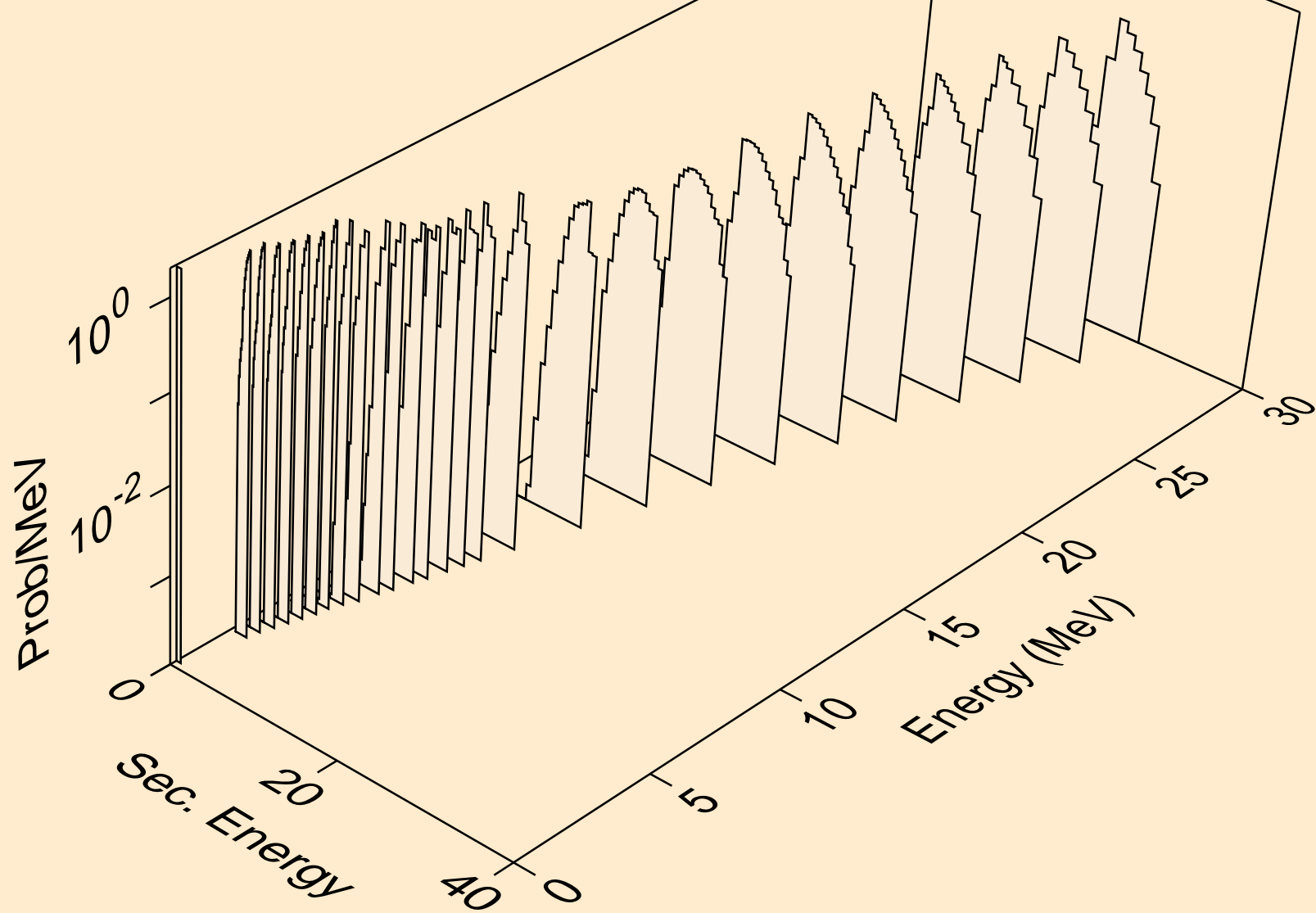
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)2a



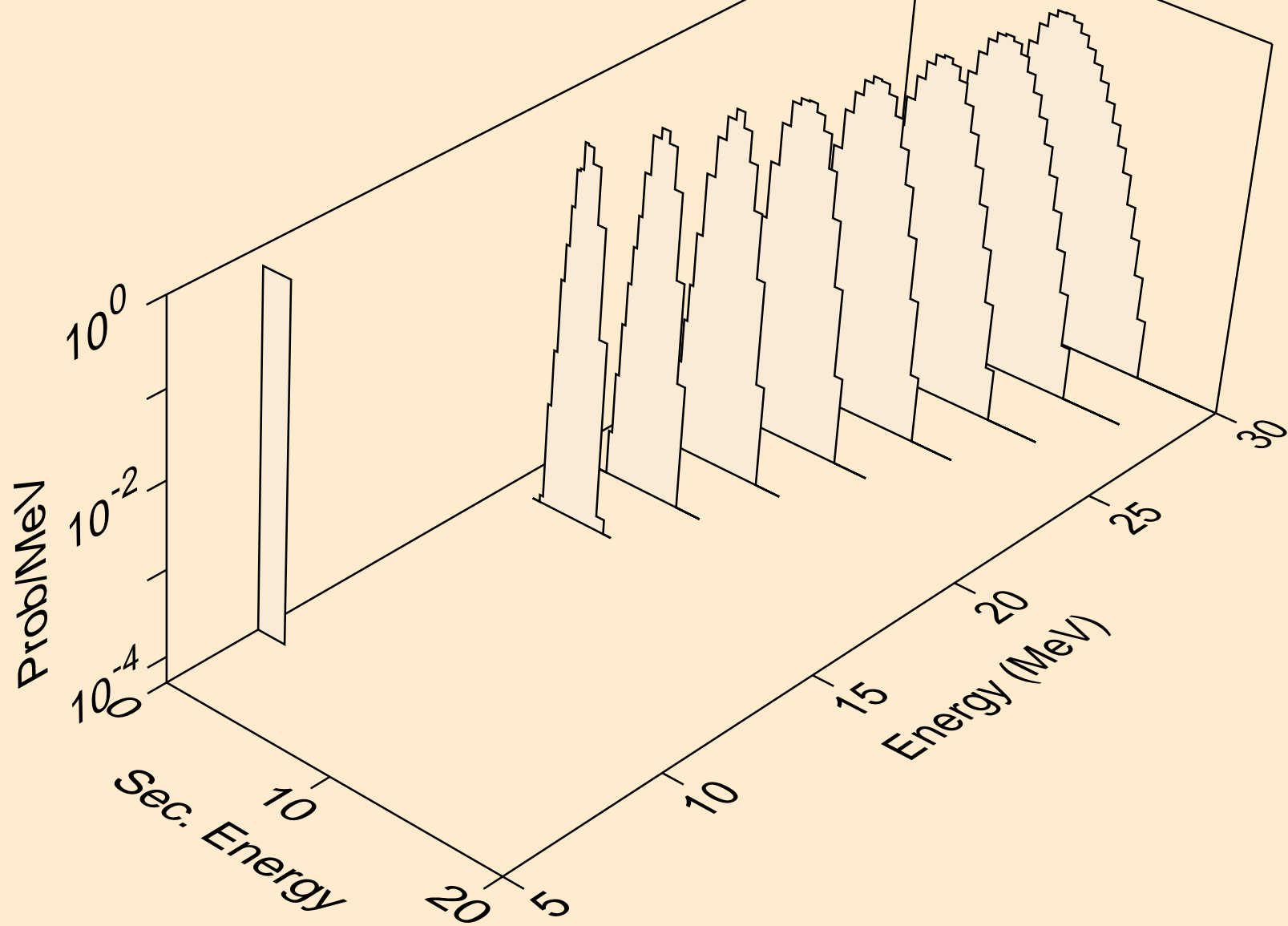
AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)



AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)

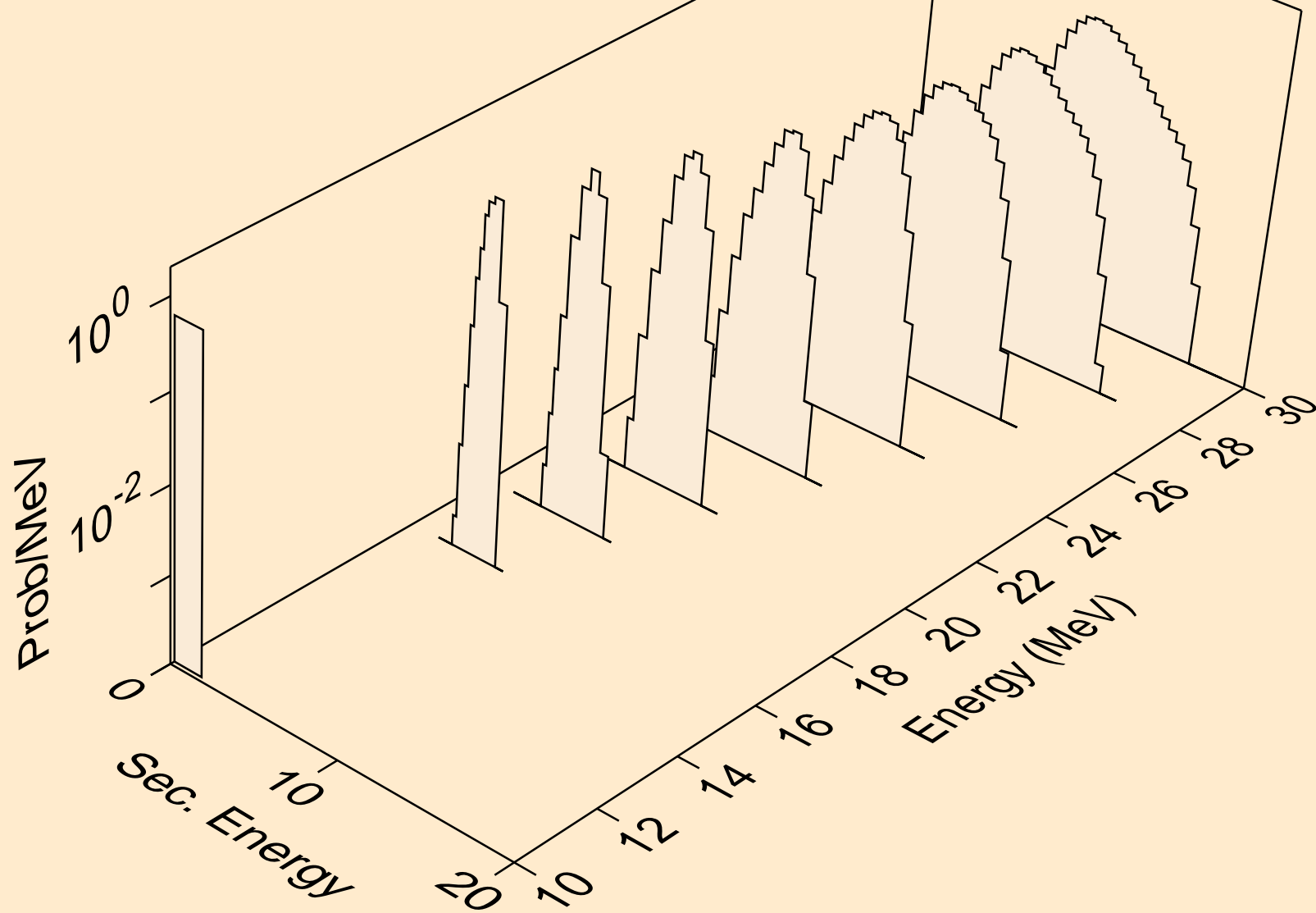


AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)





AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



AS077 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

