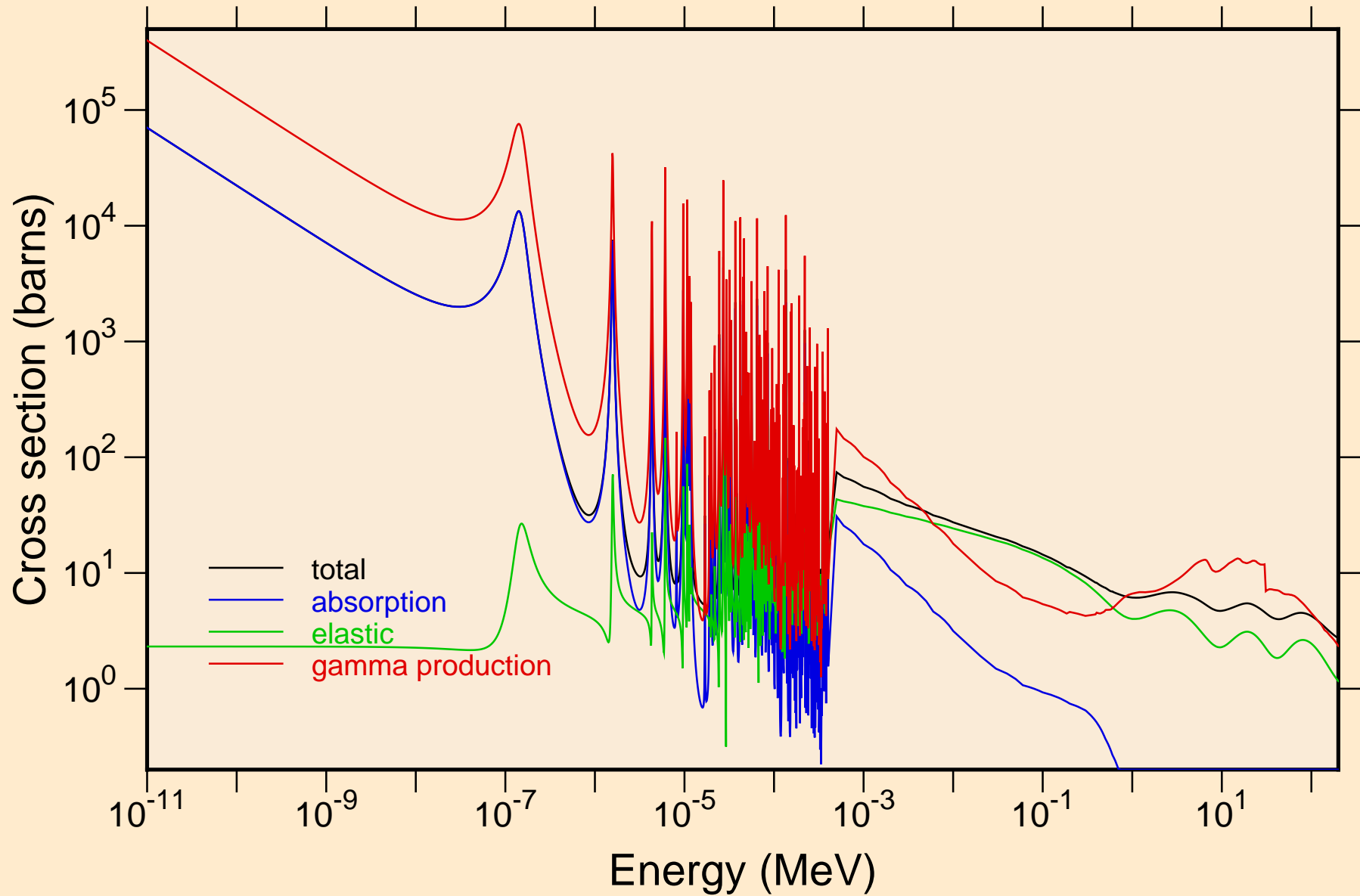
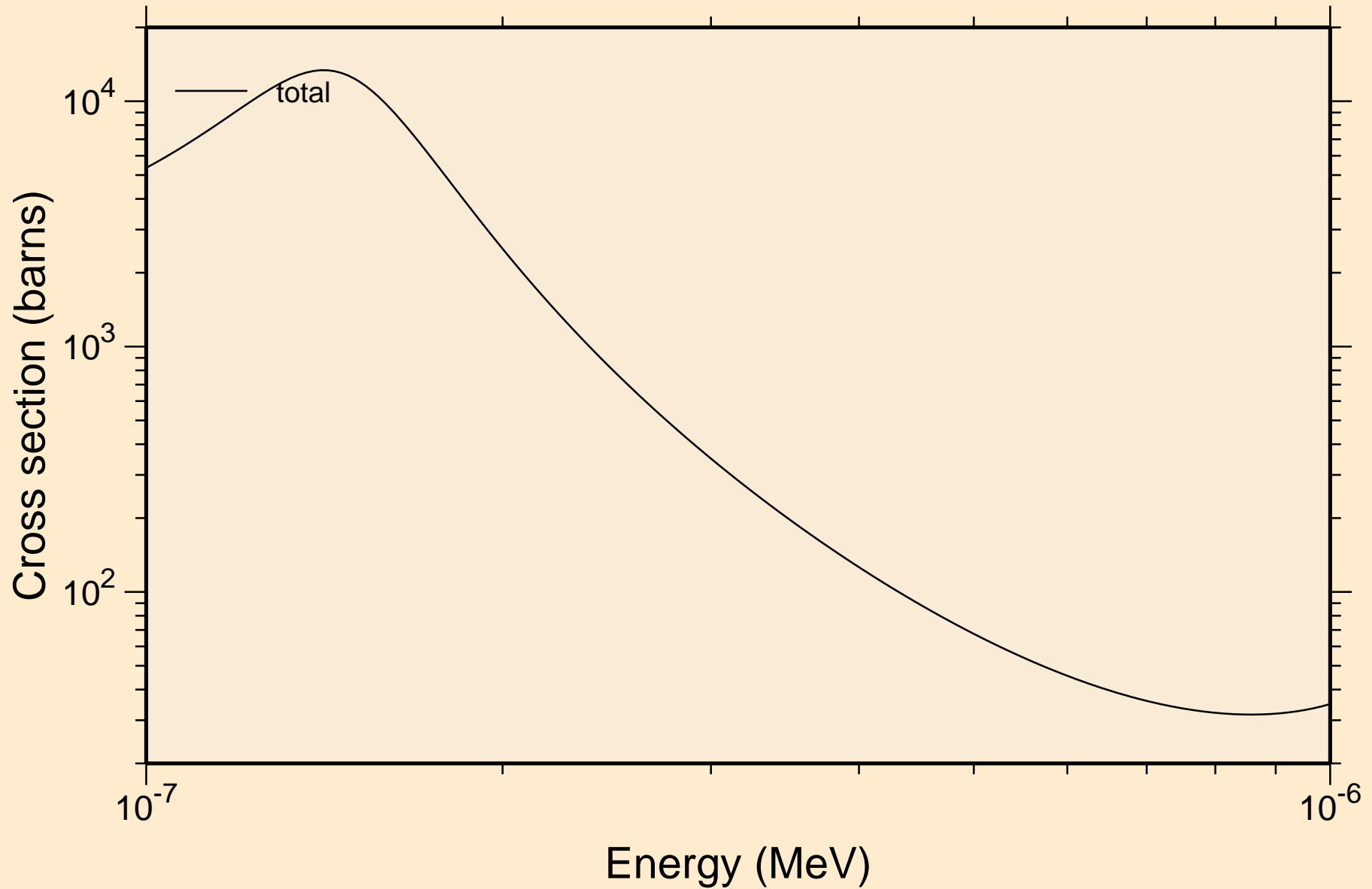


# LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

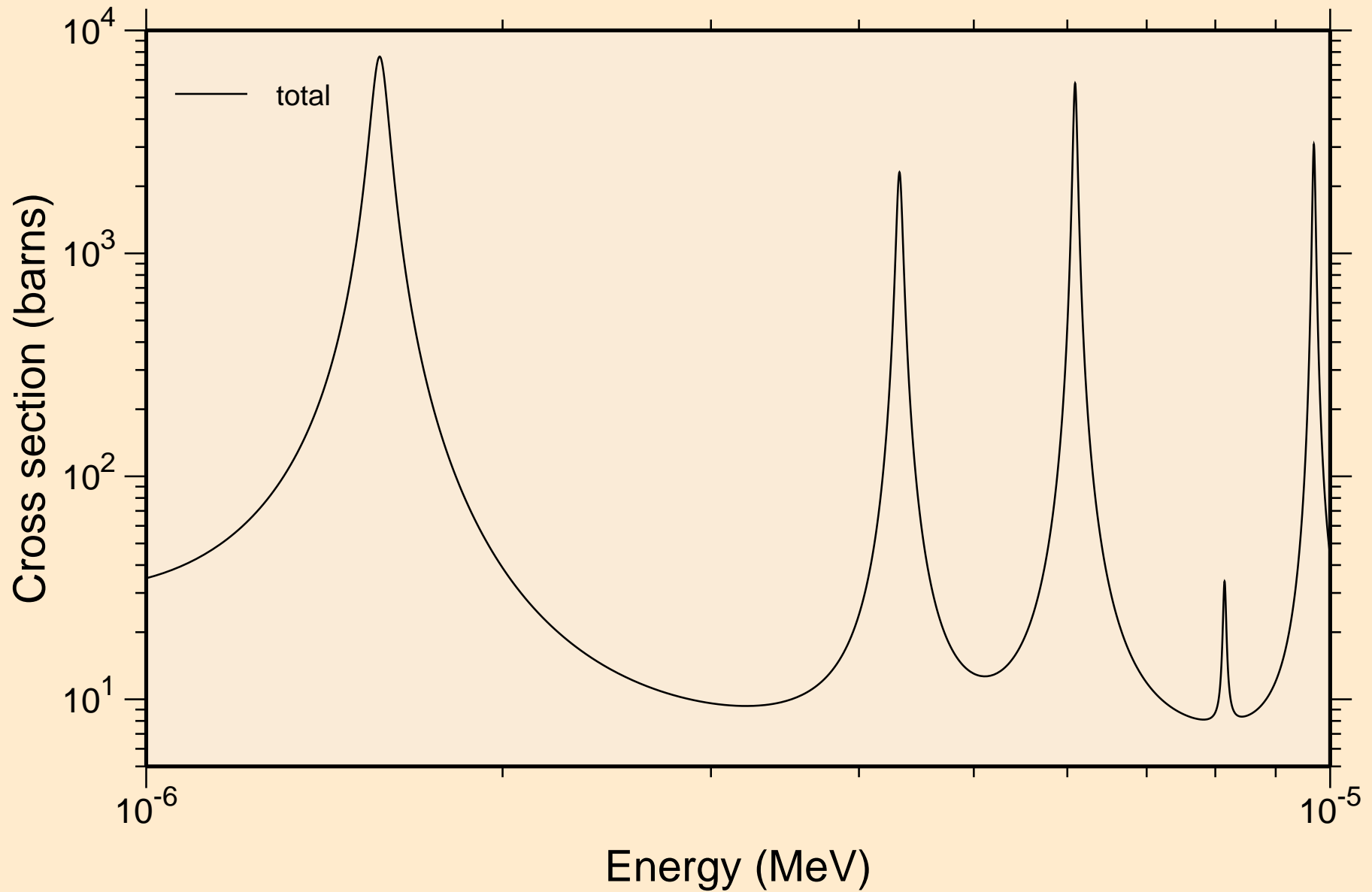
## Principal cross sections



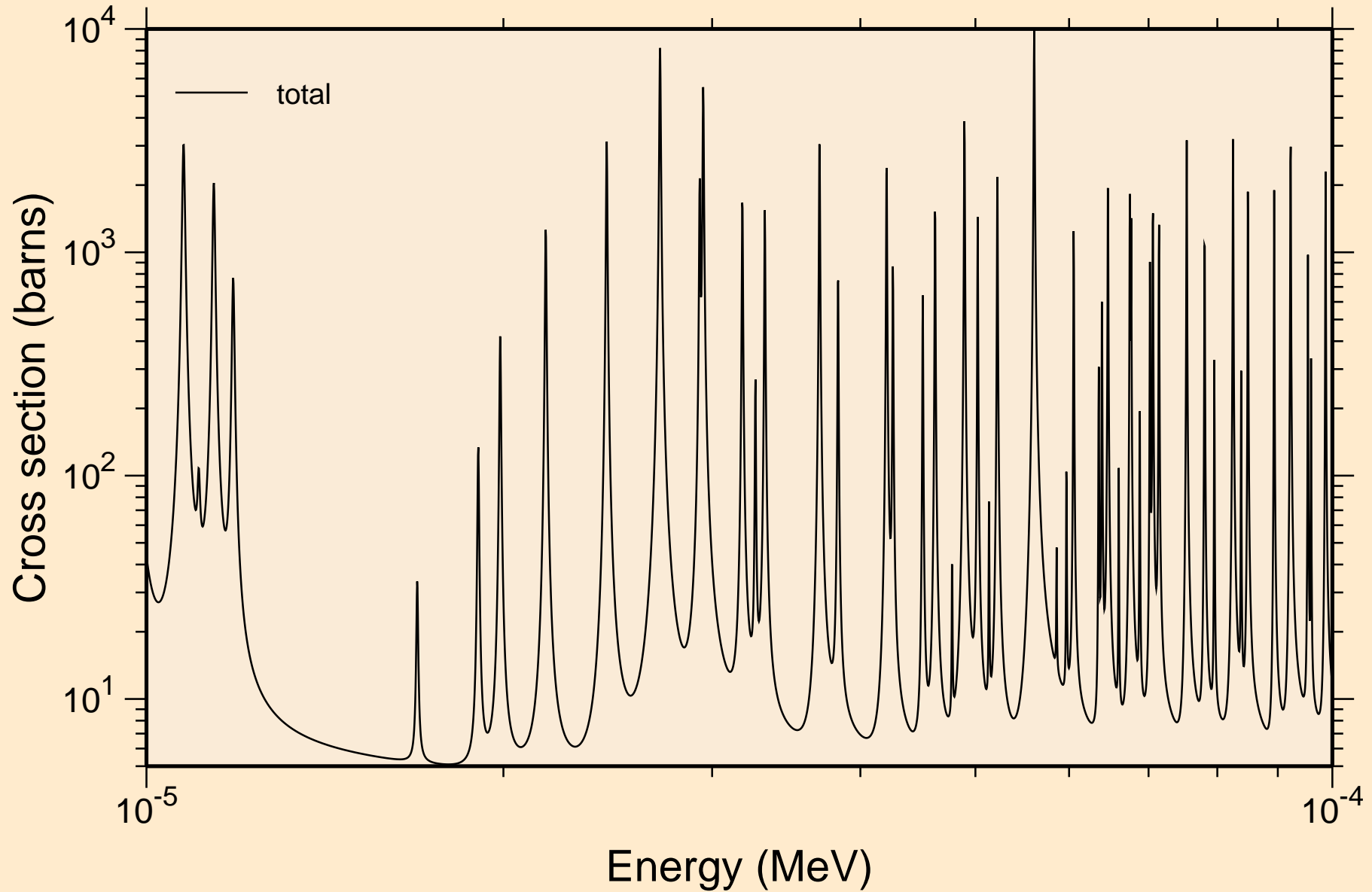
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



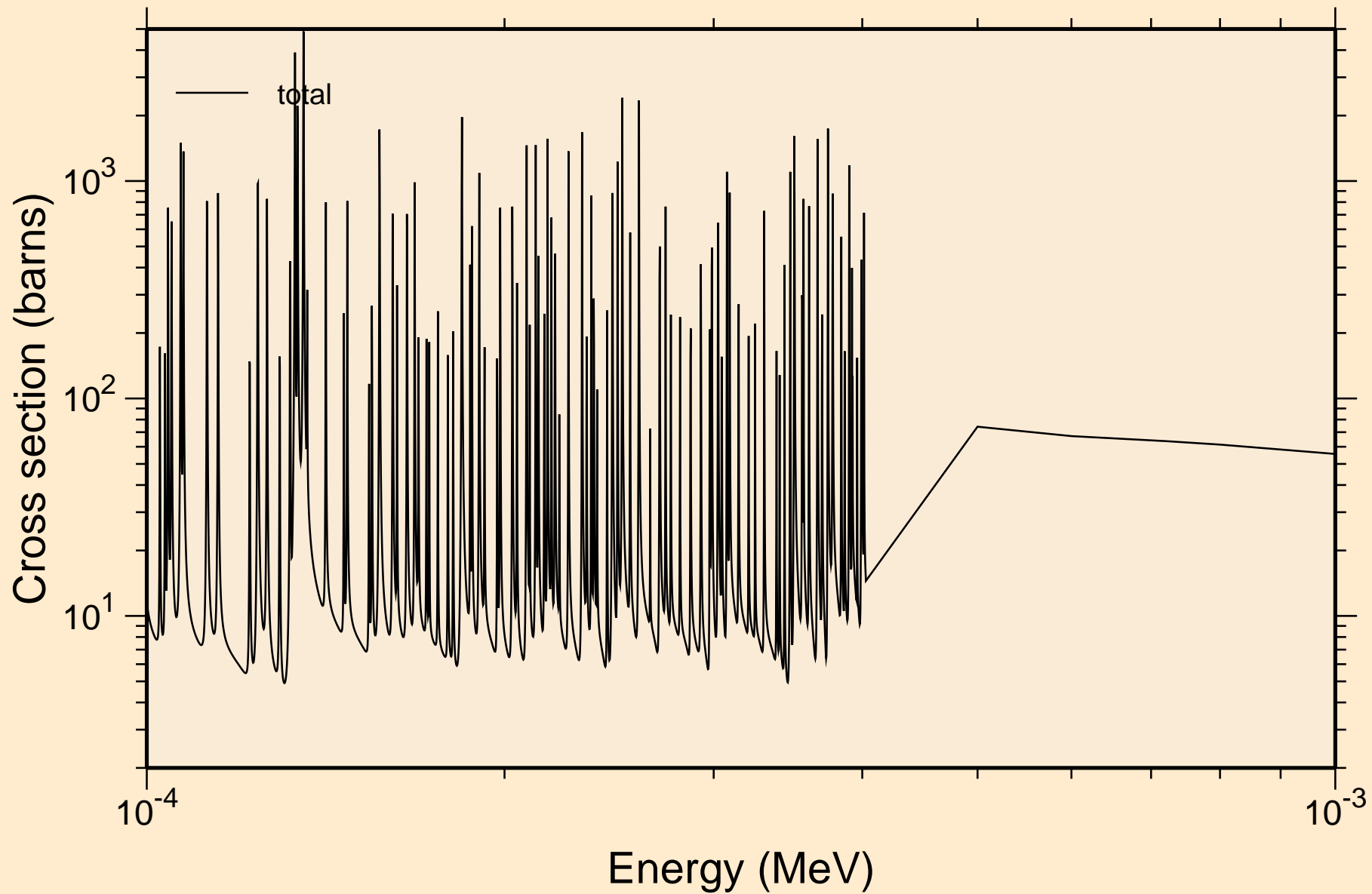
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



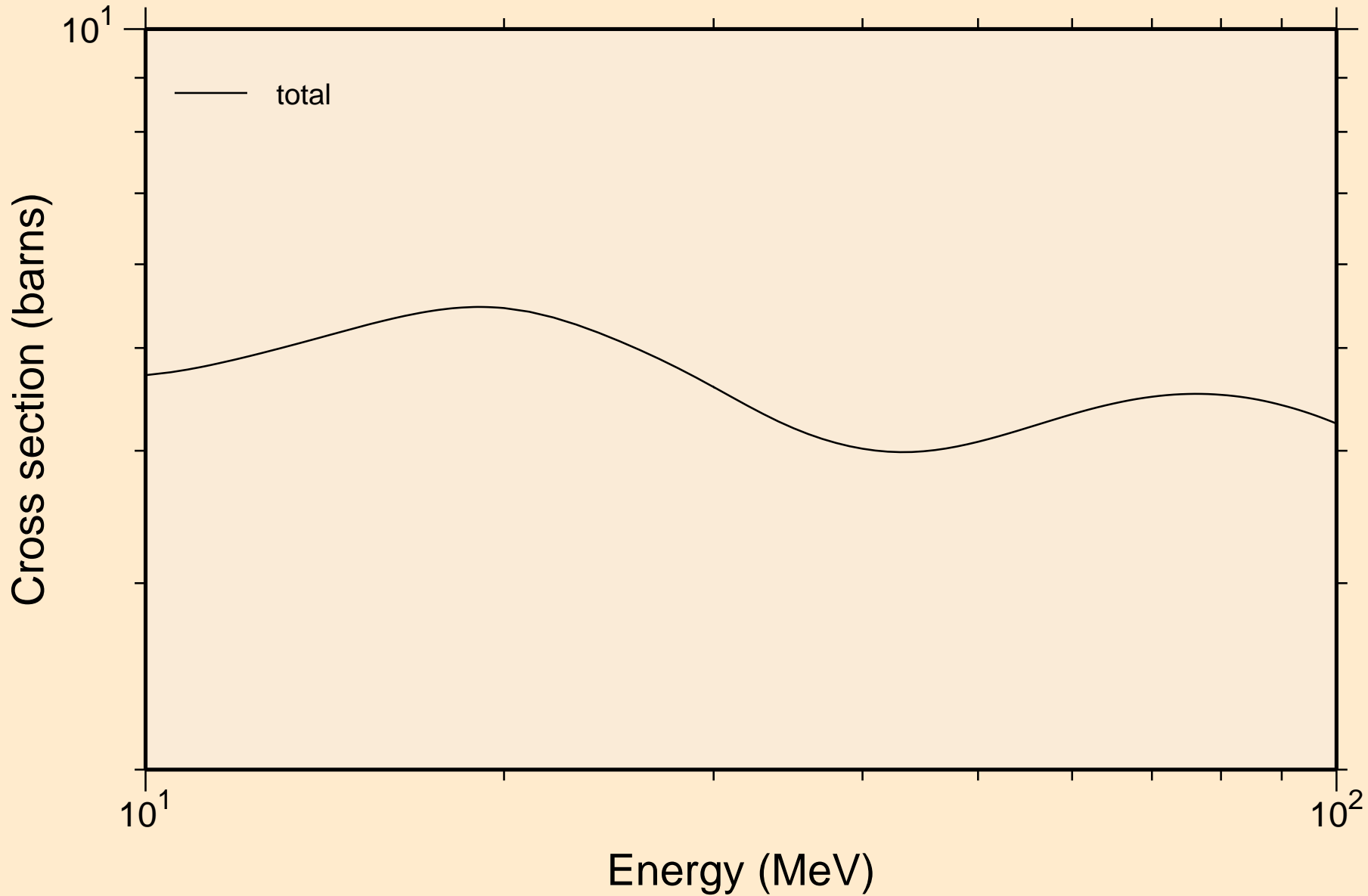
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



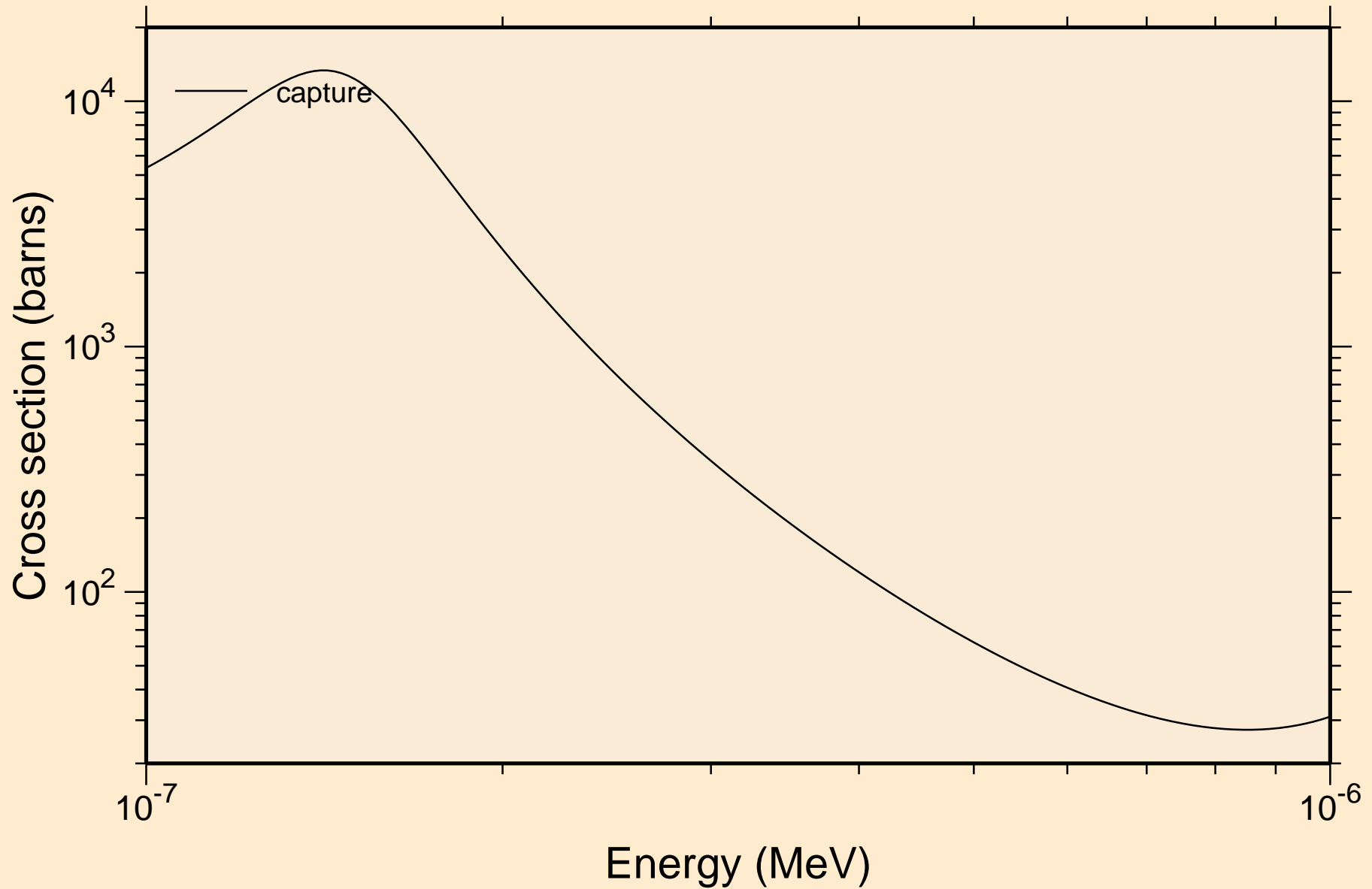
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



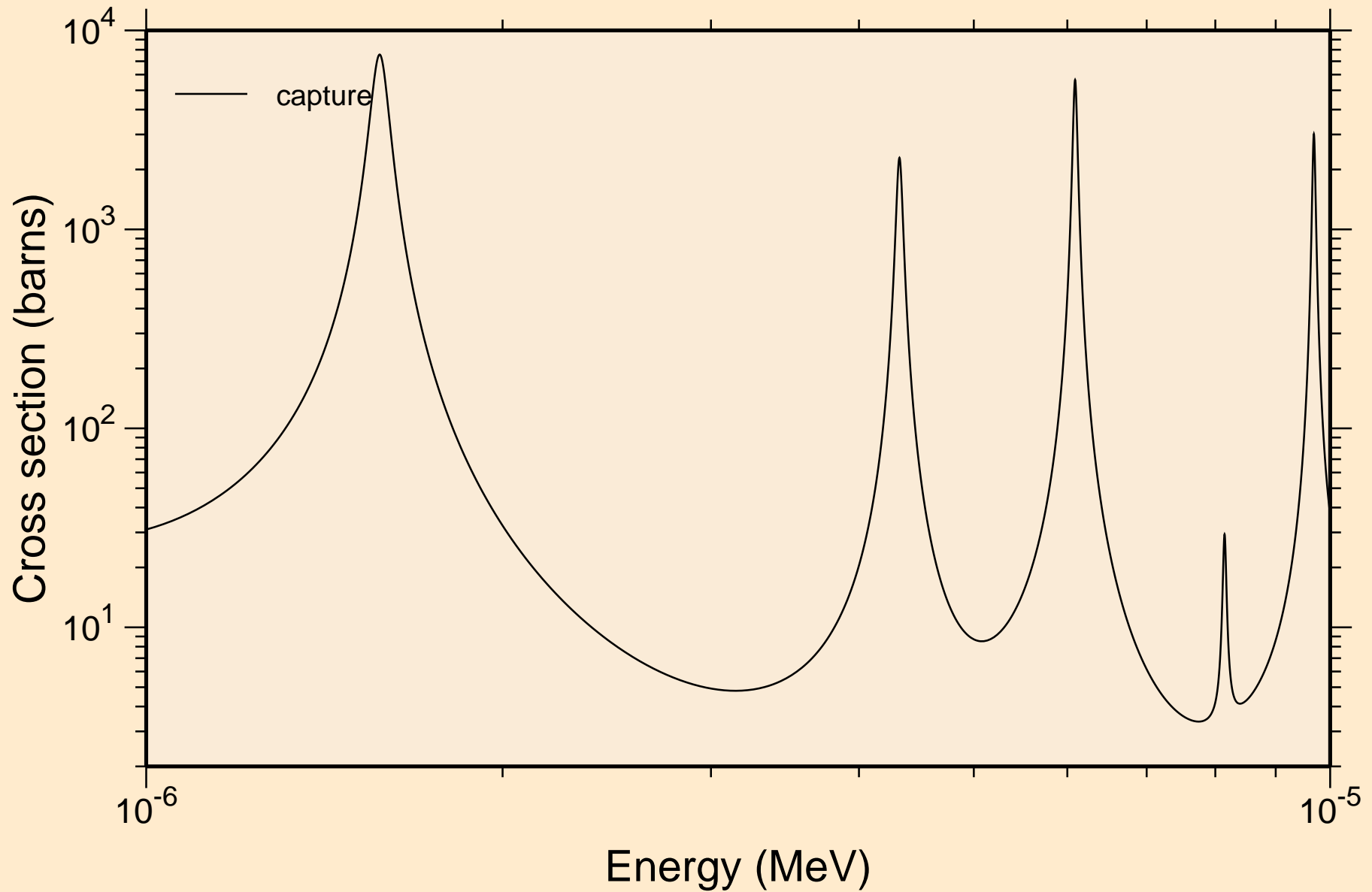
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

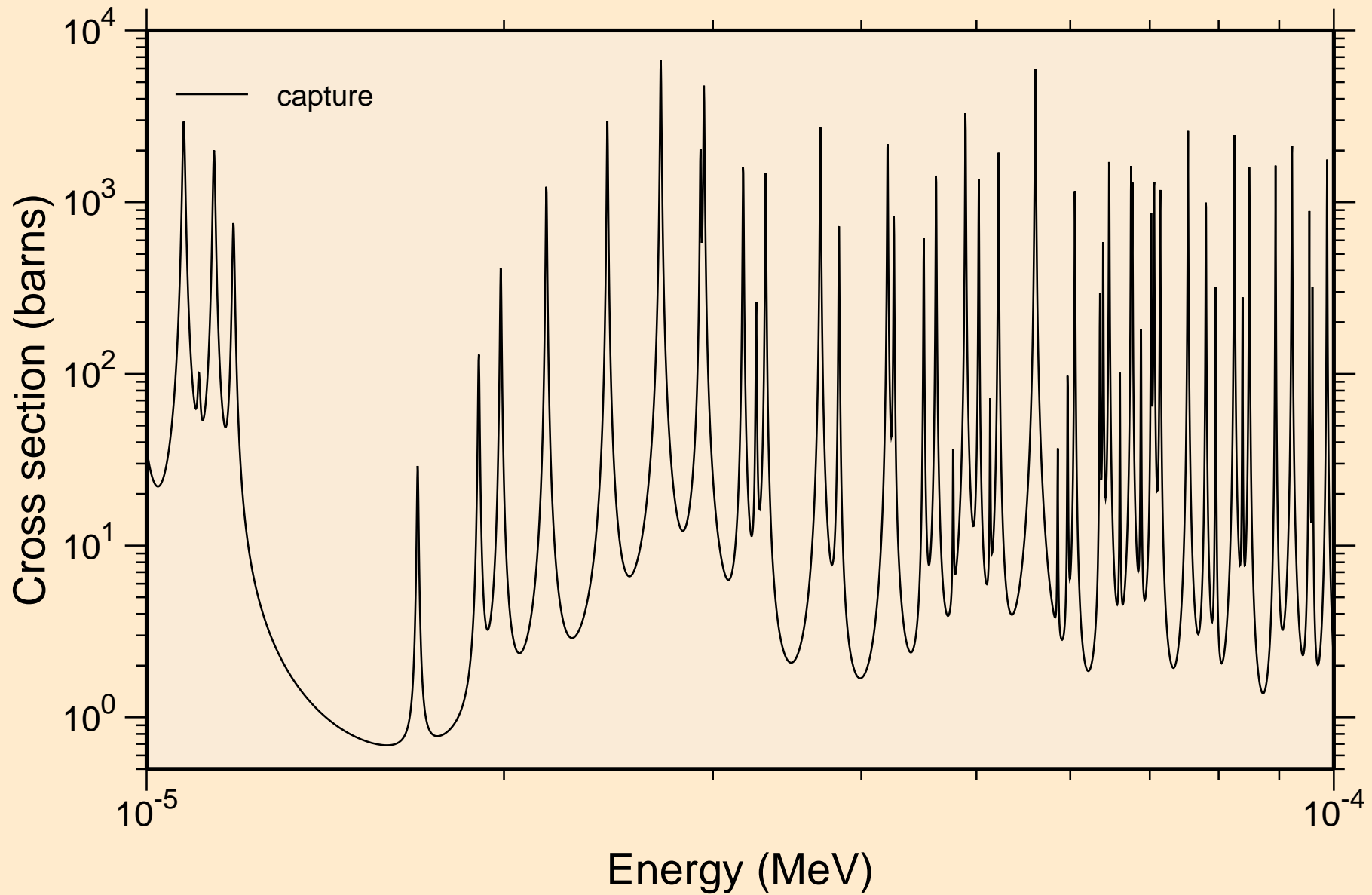


LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

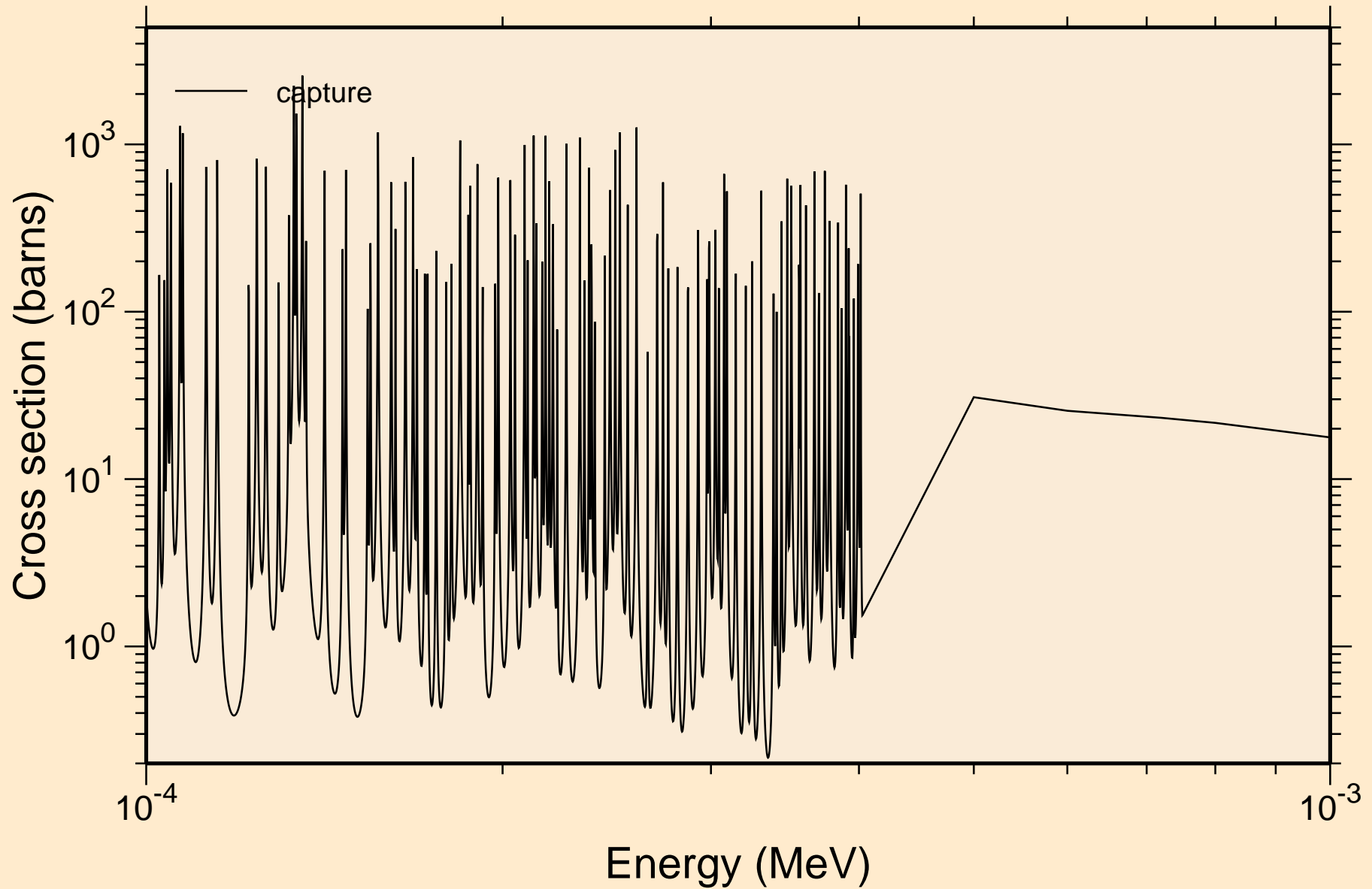




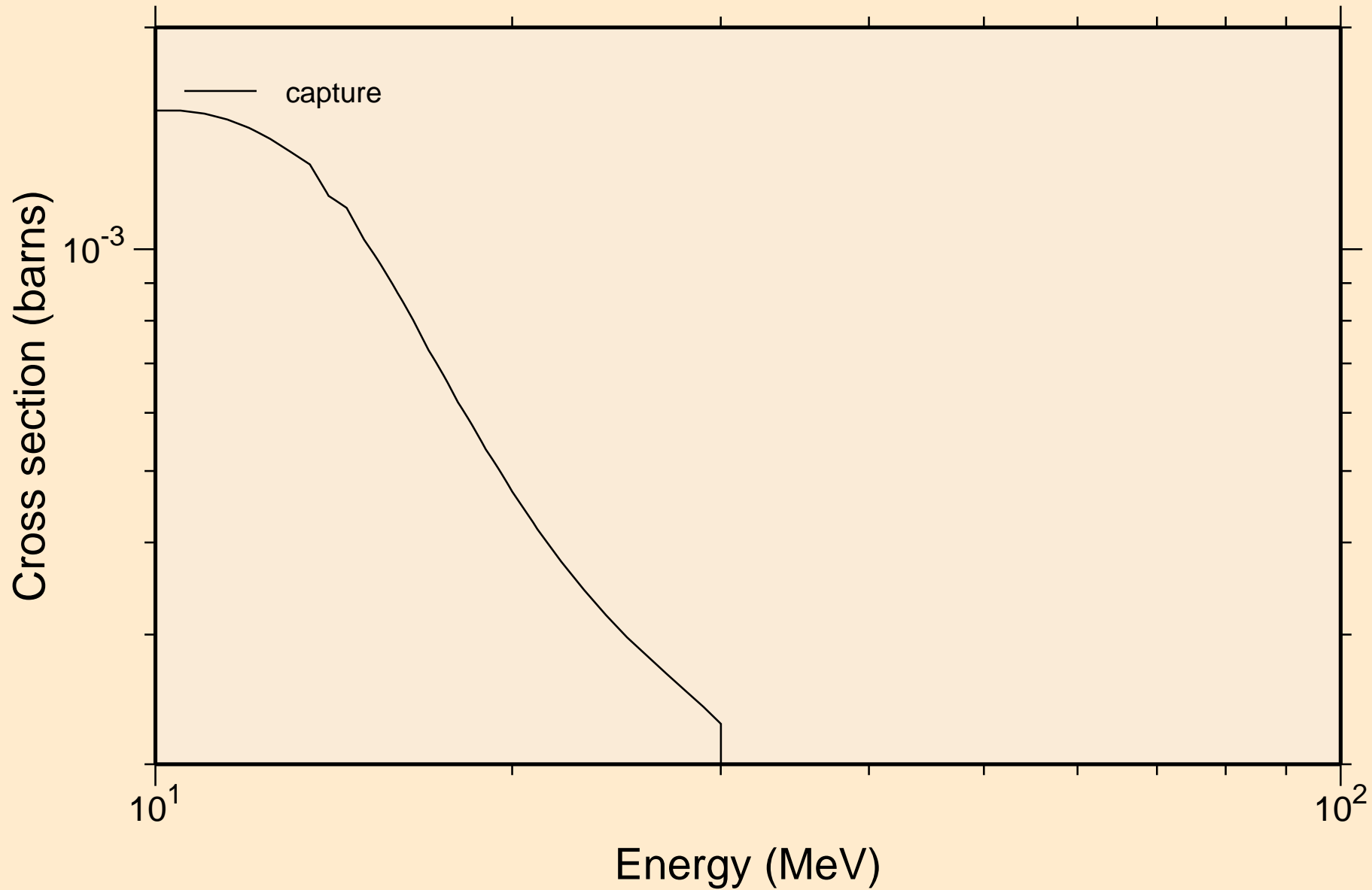
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



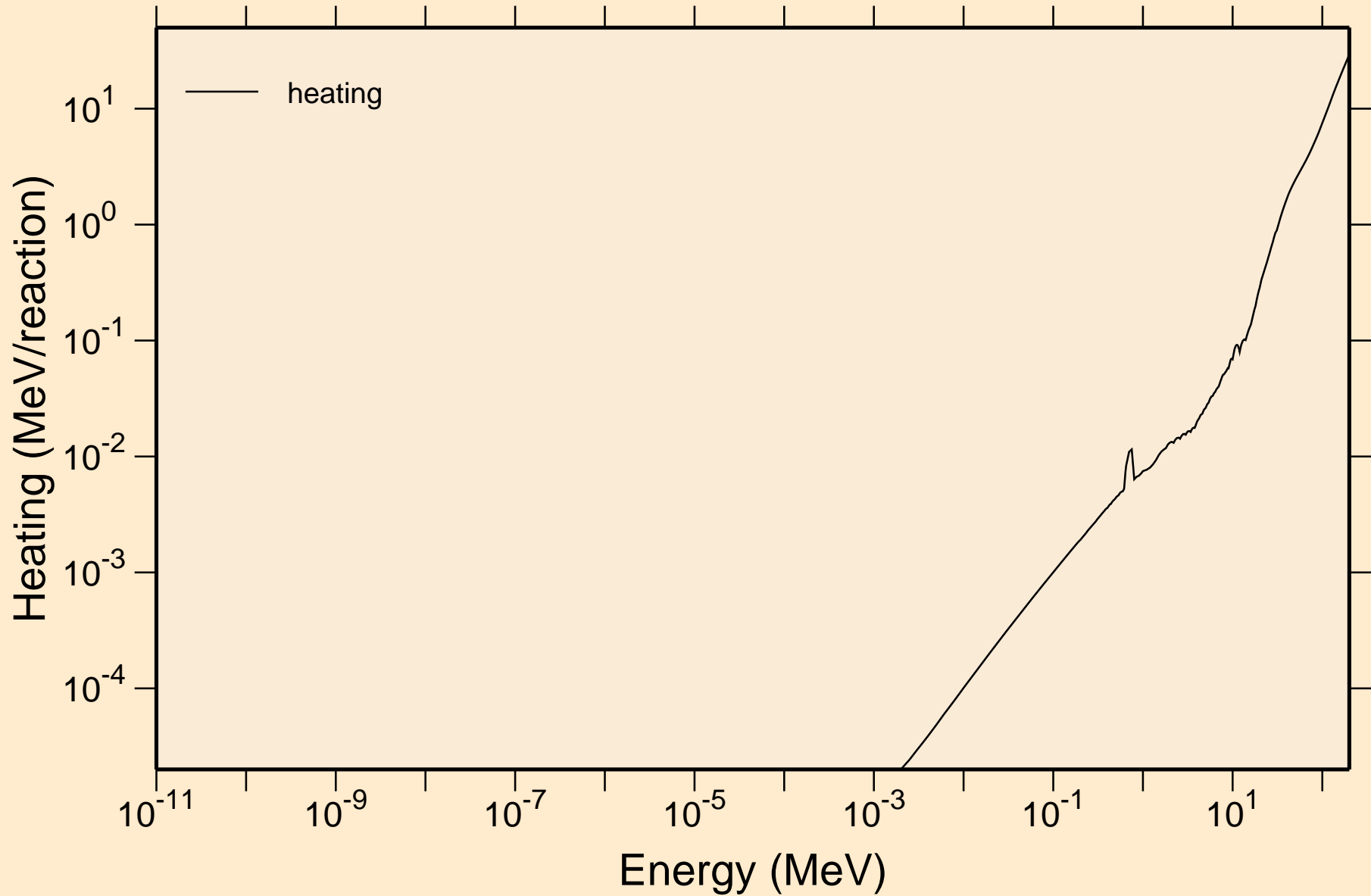
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

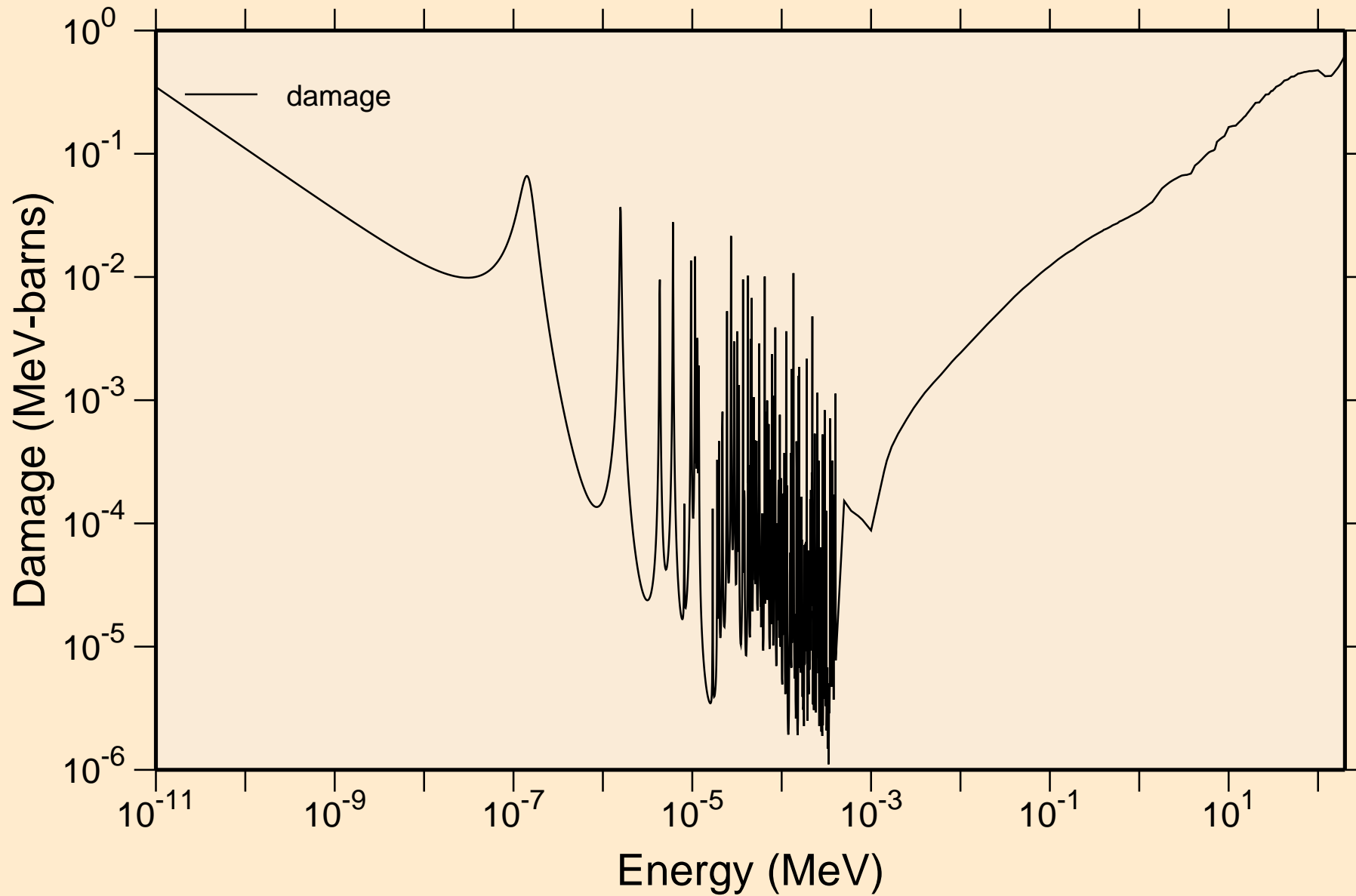


LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Heating

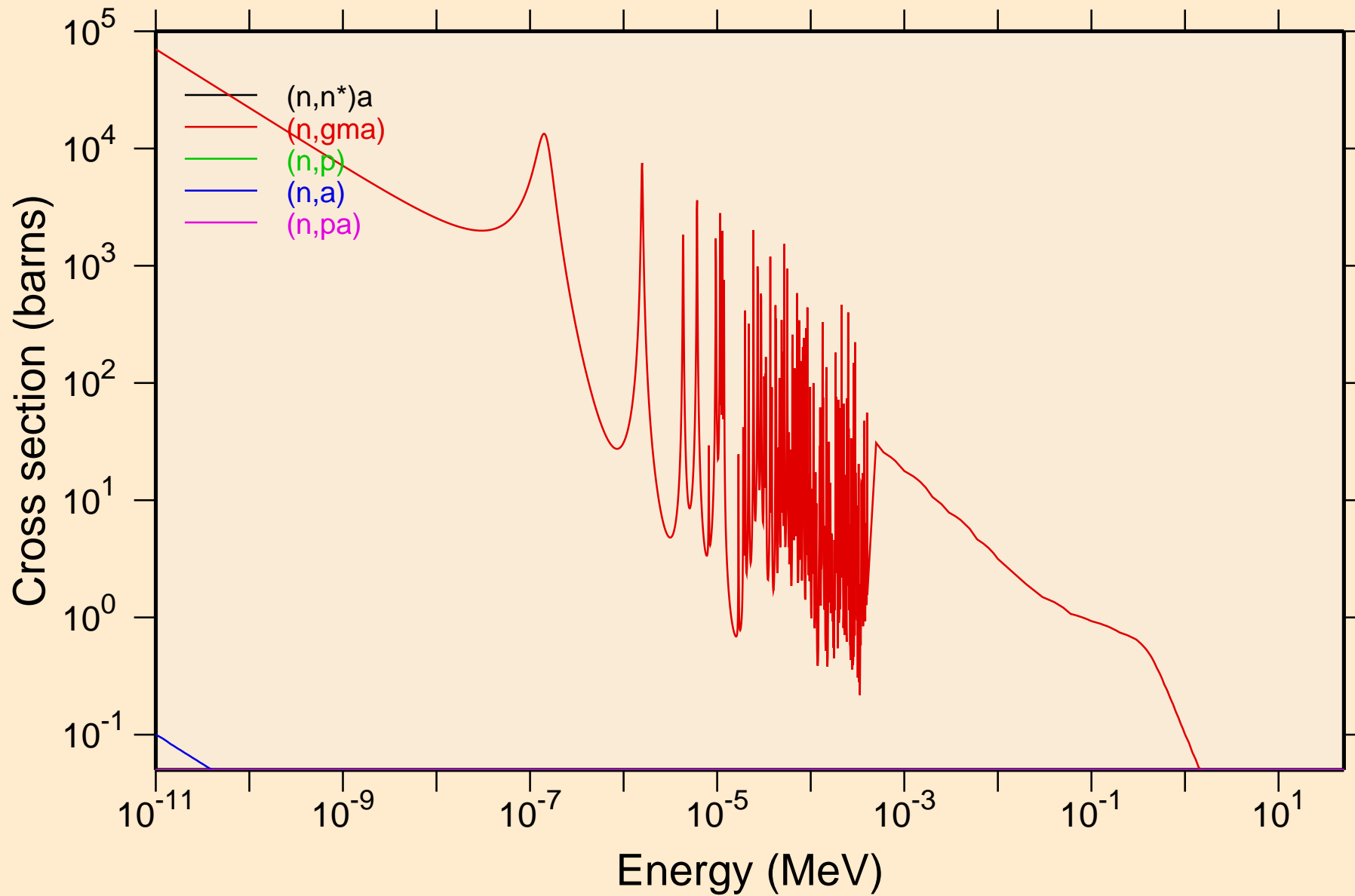


# LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

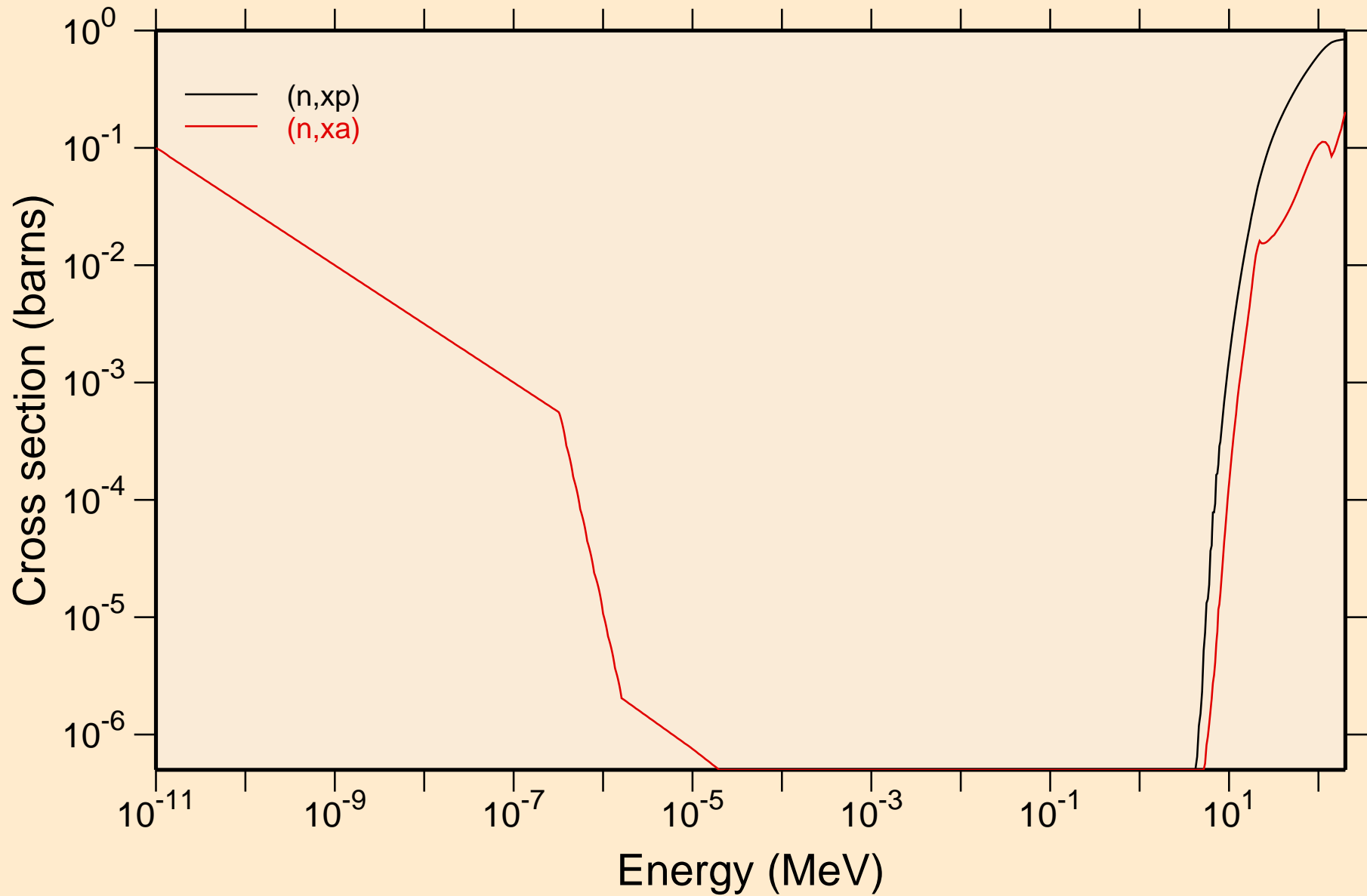
## Damage



LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

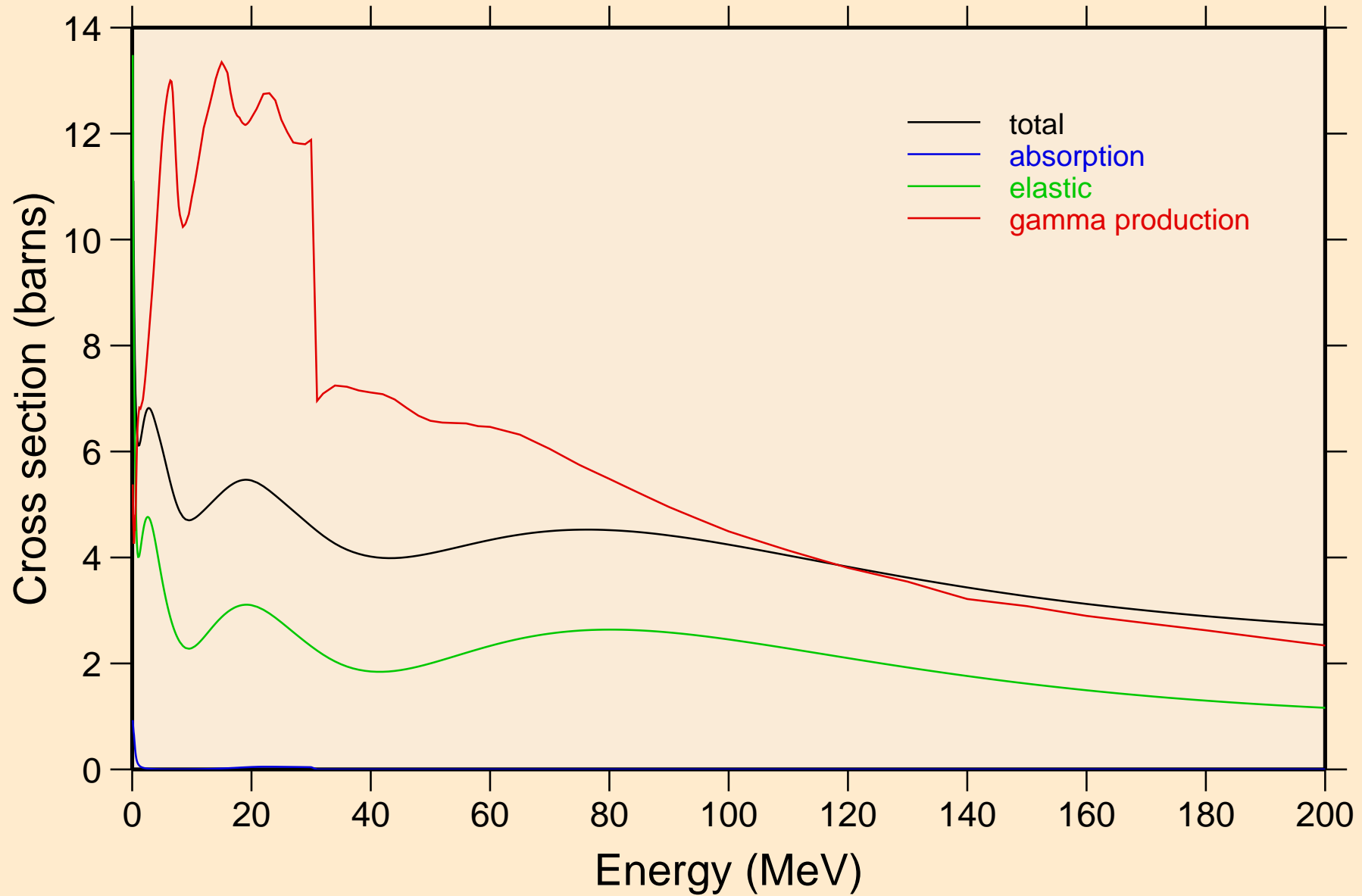


LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



# LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

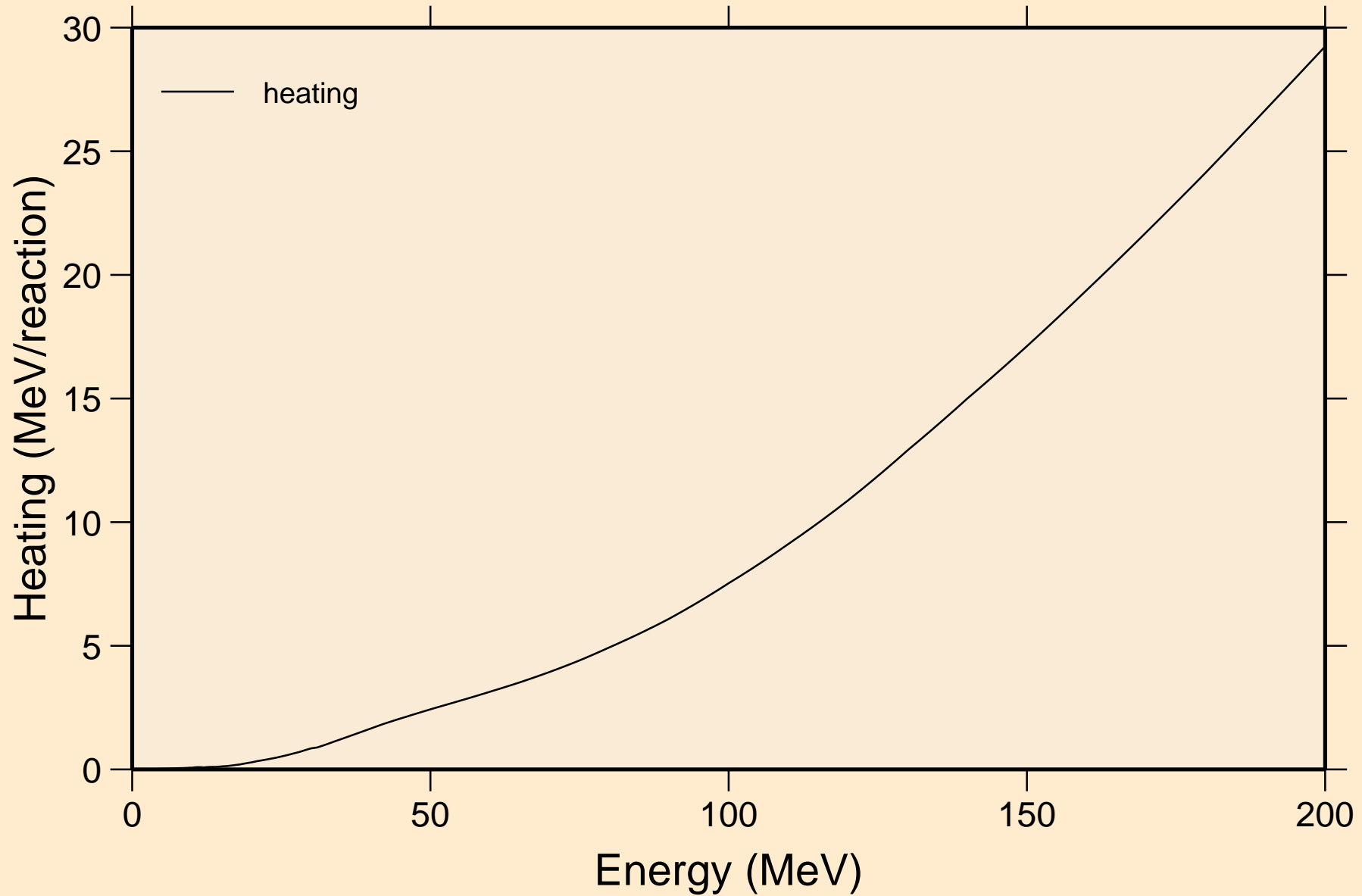
## Principal cross sections



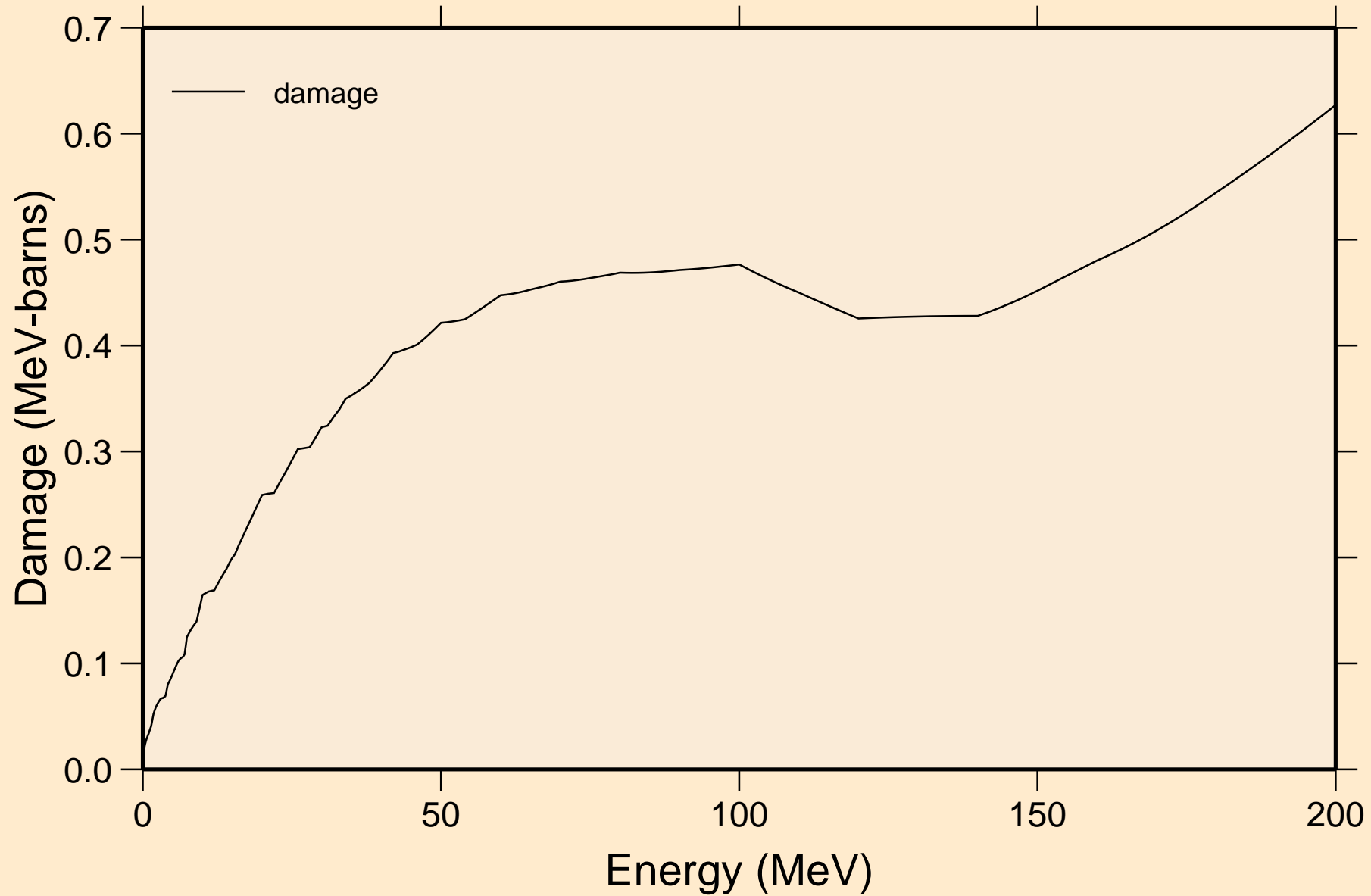


# LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

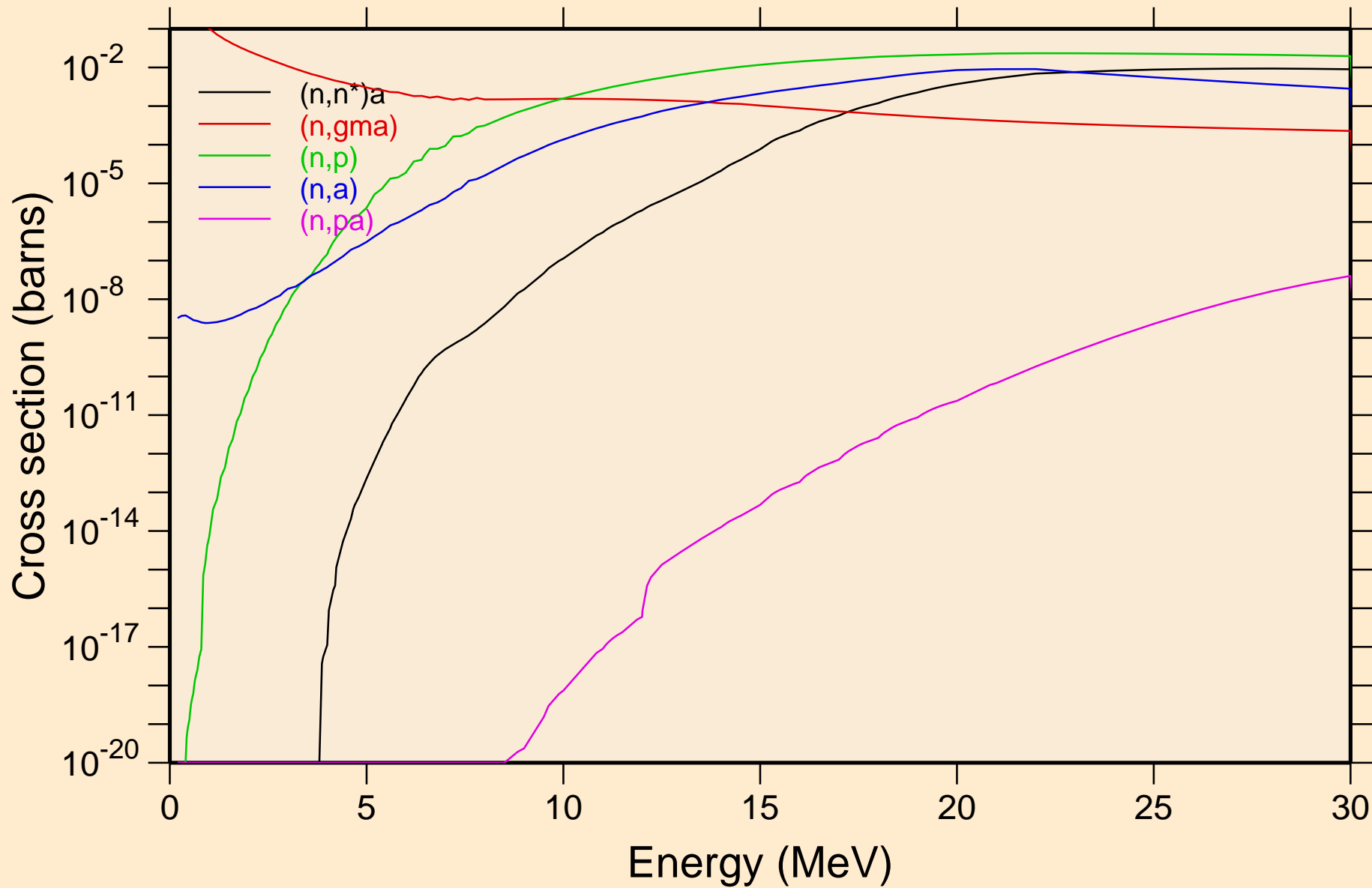
## Heating



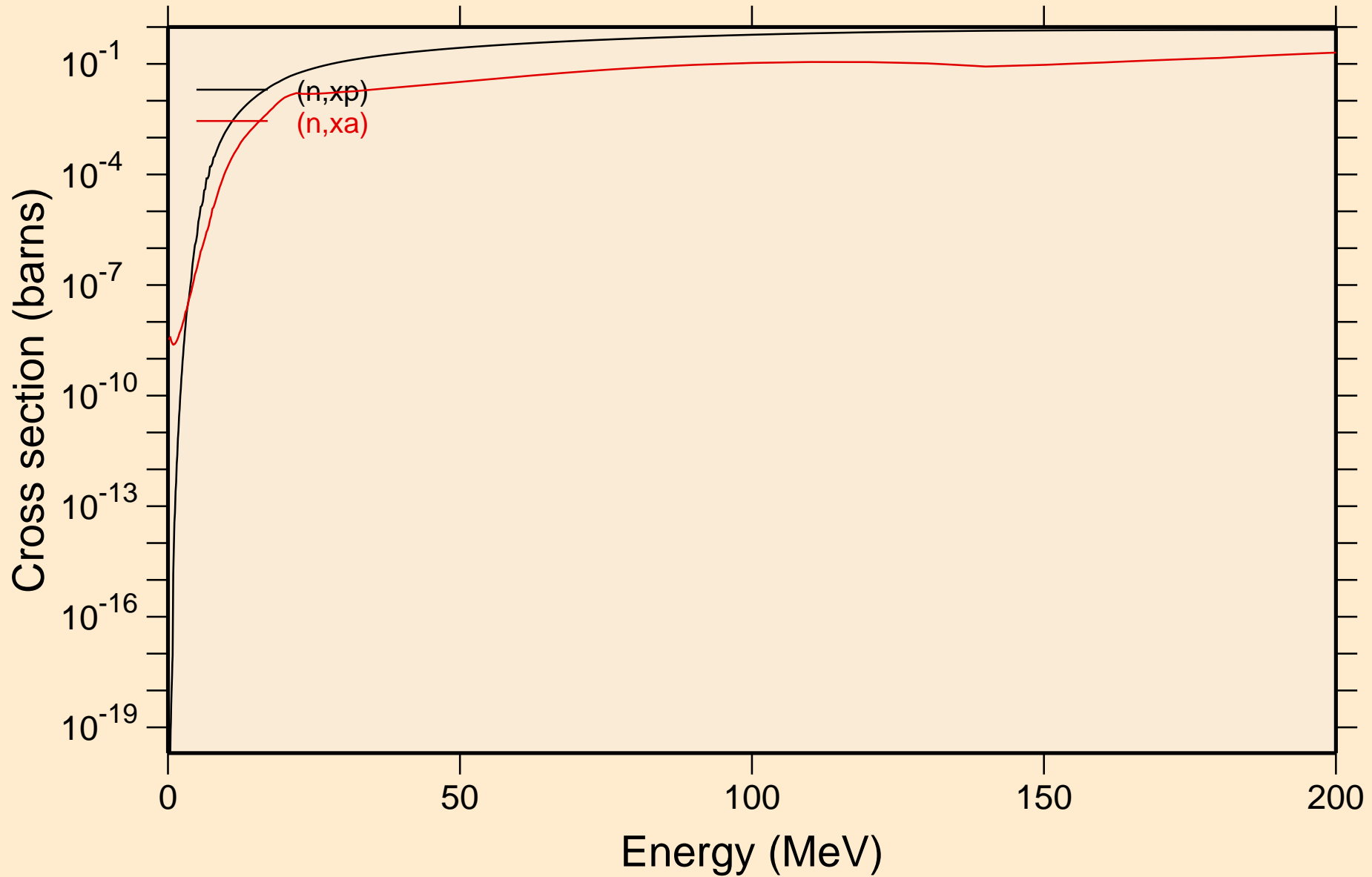
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage



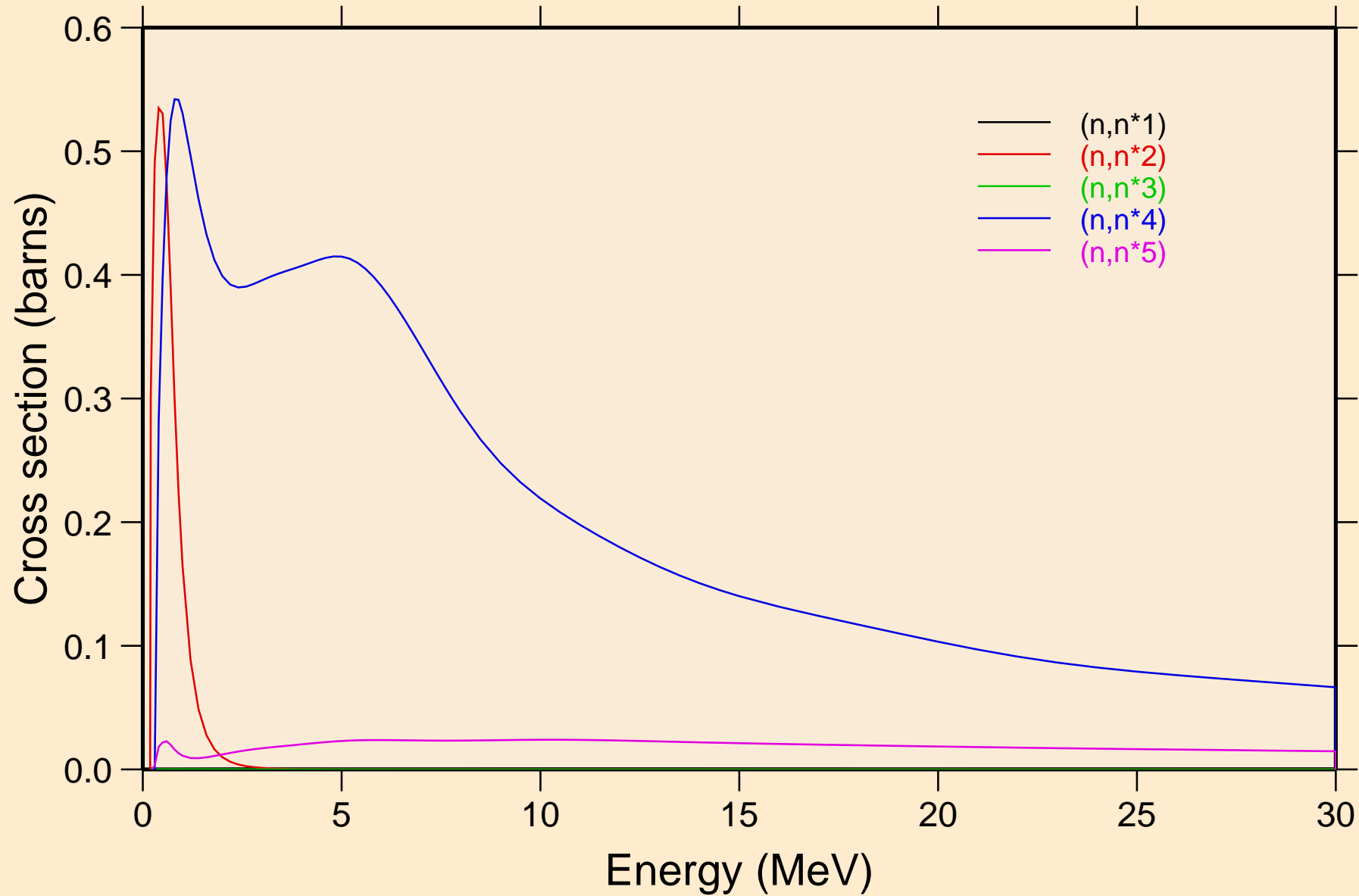
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



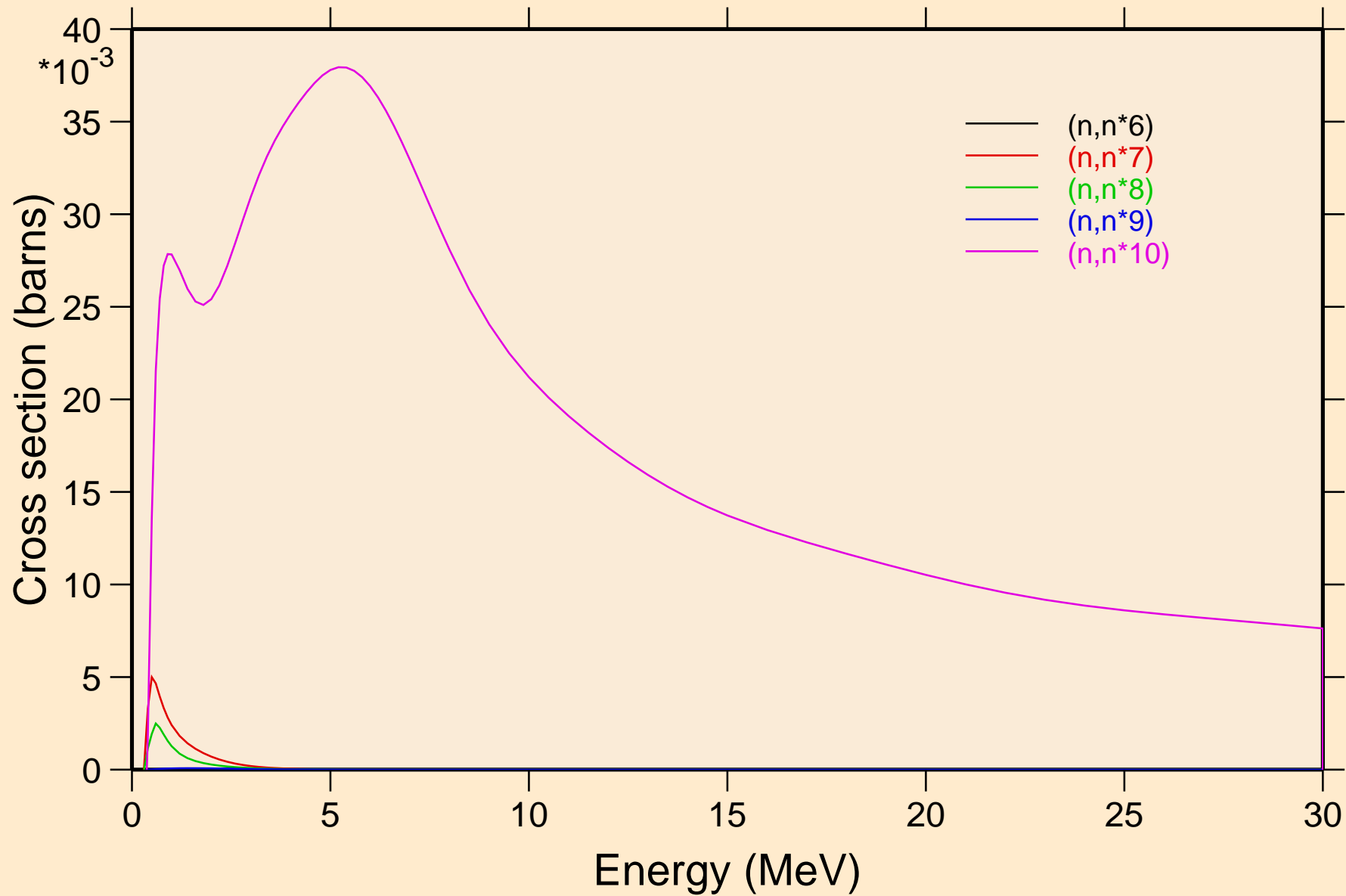
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



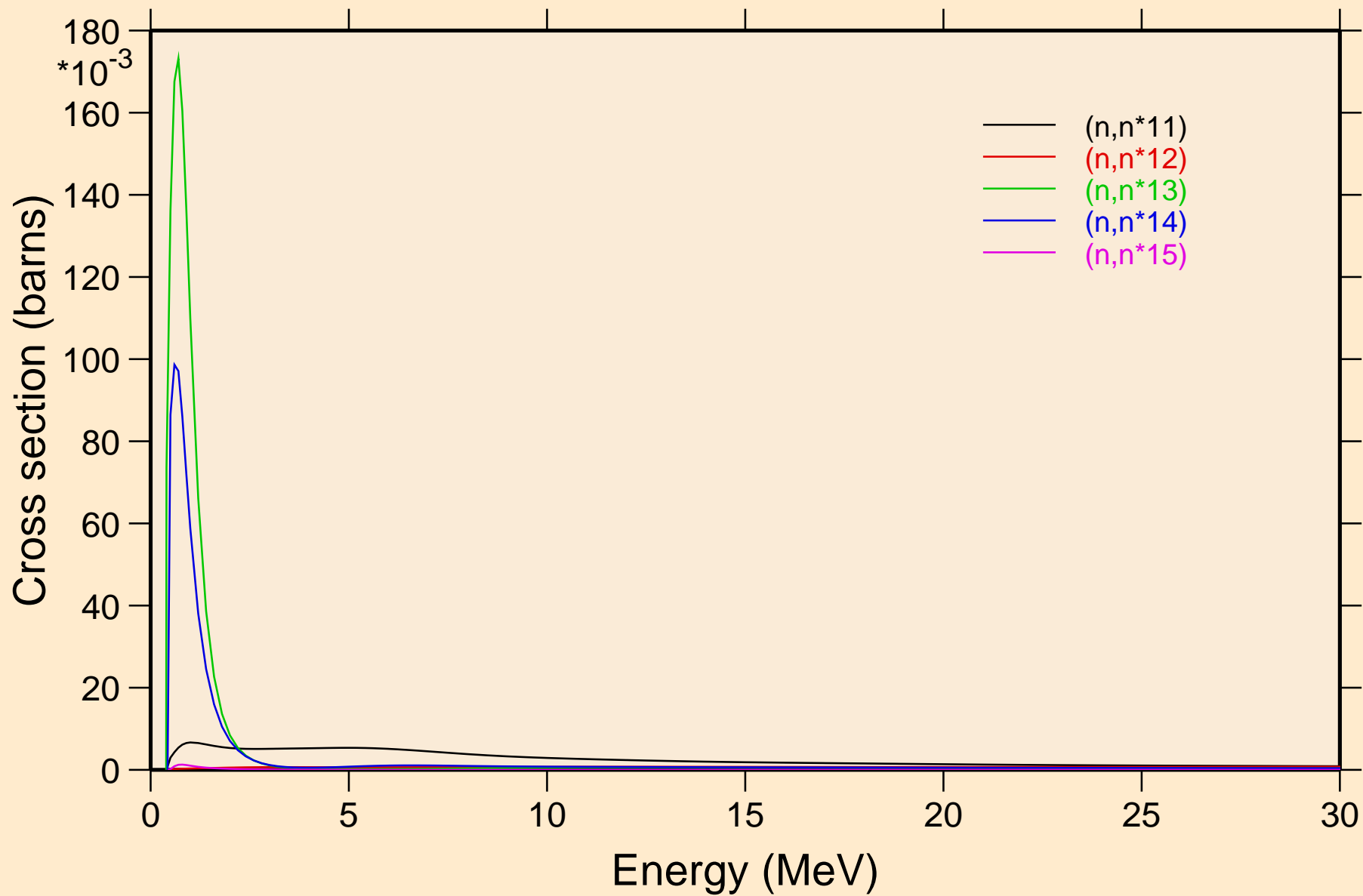
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



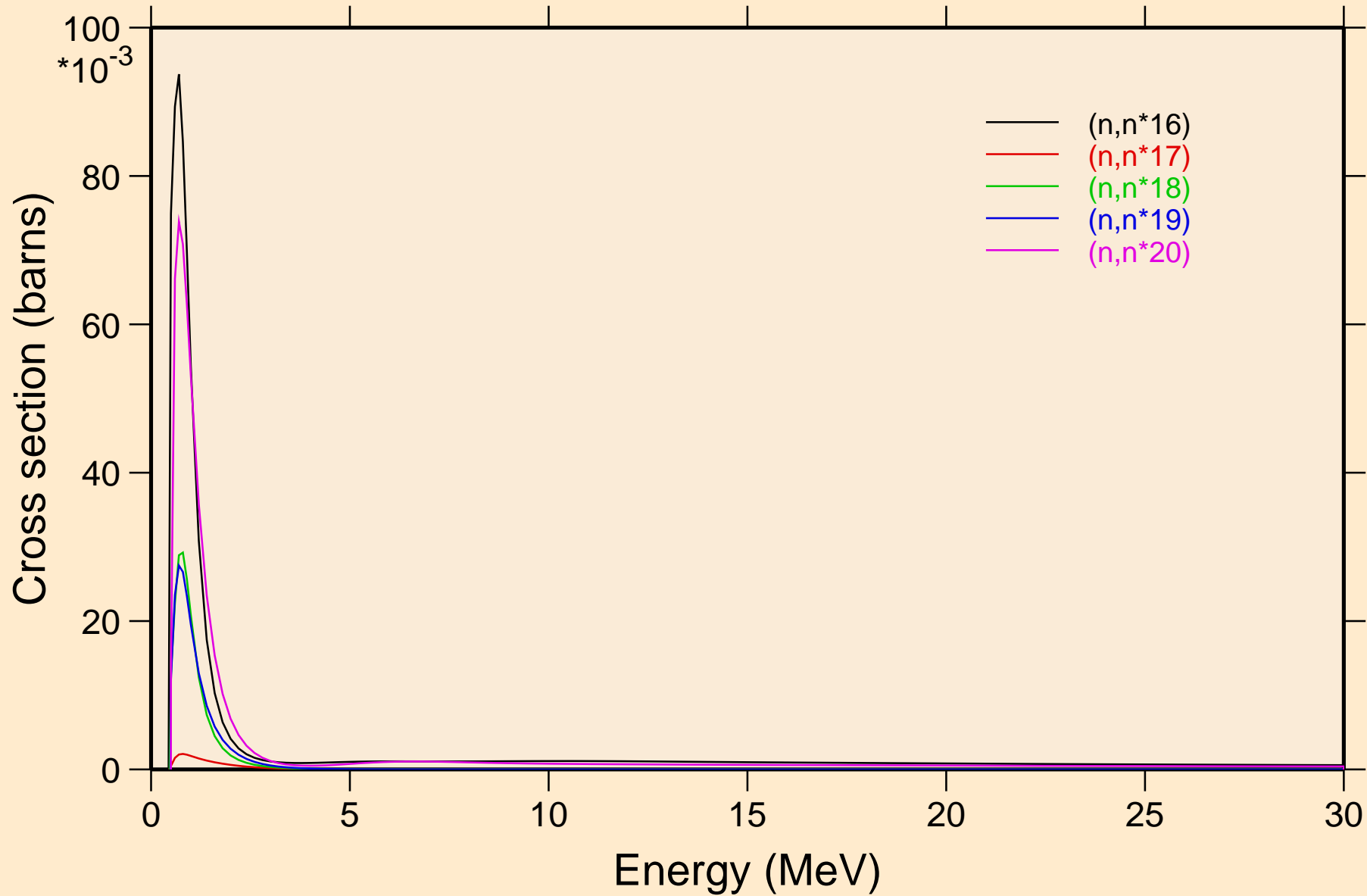
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

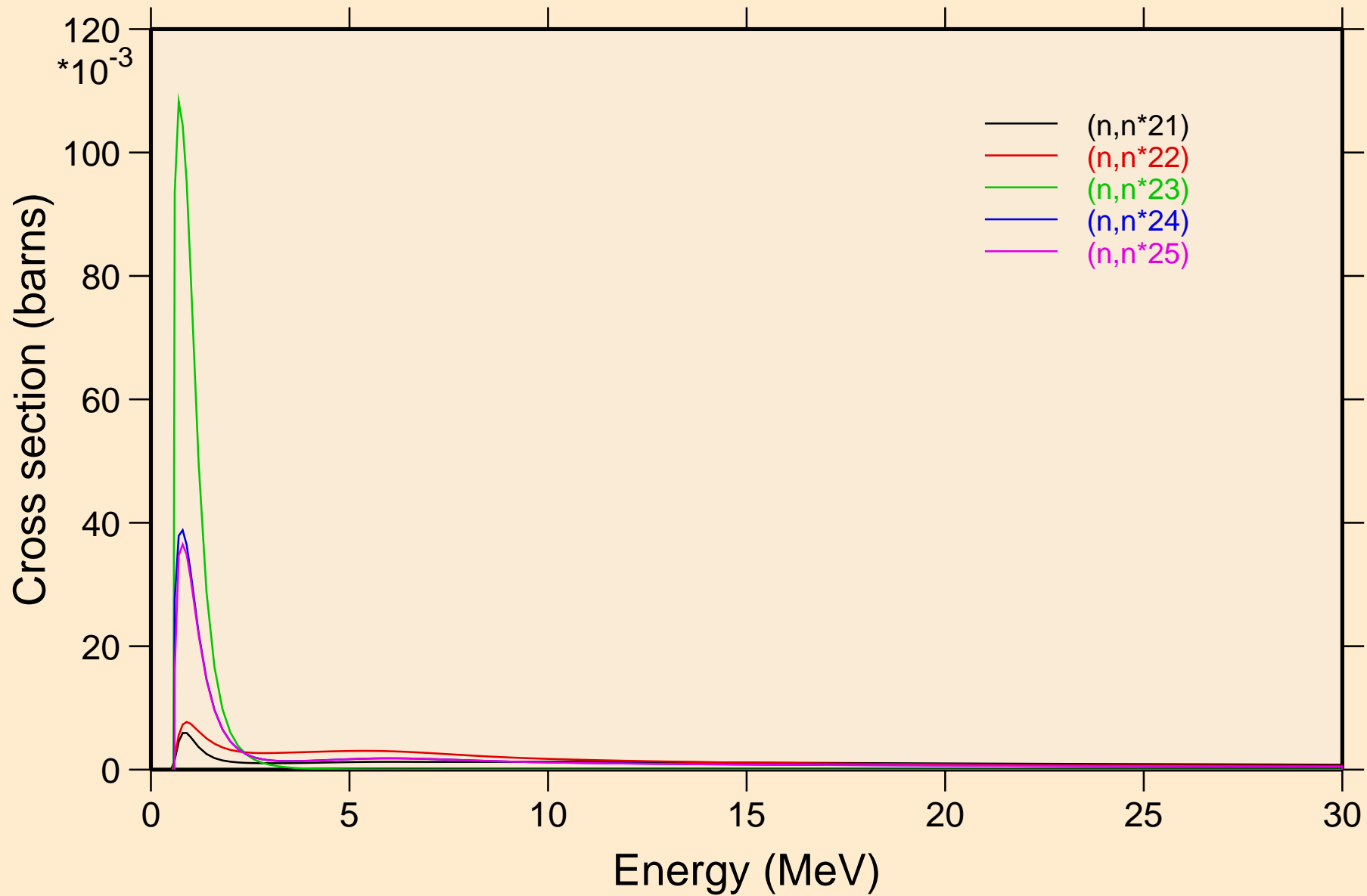


LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

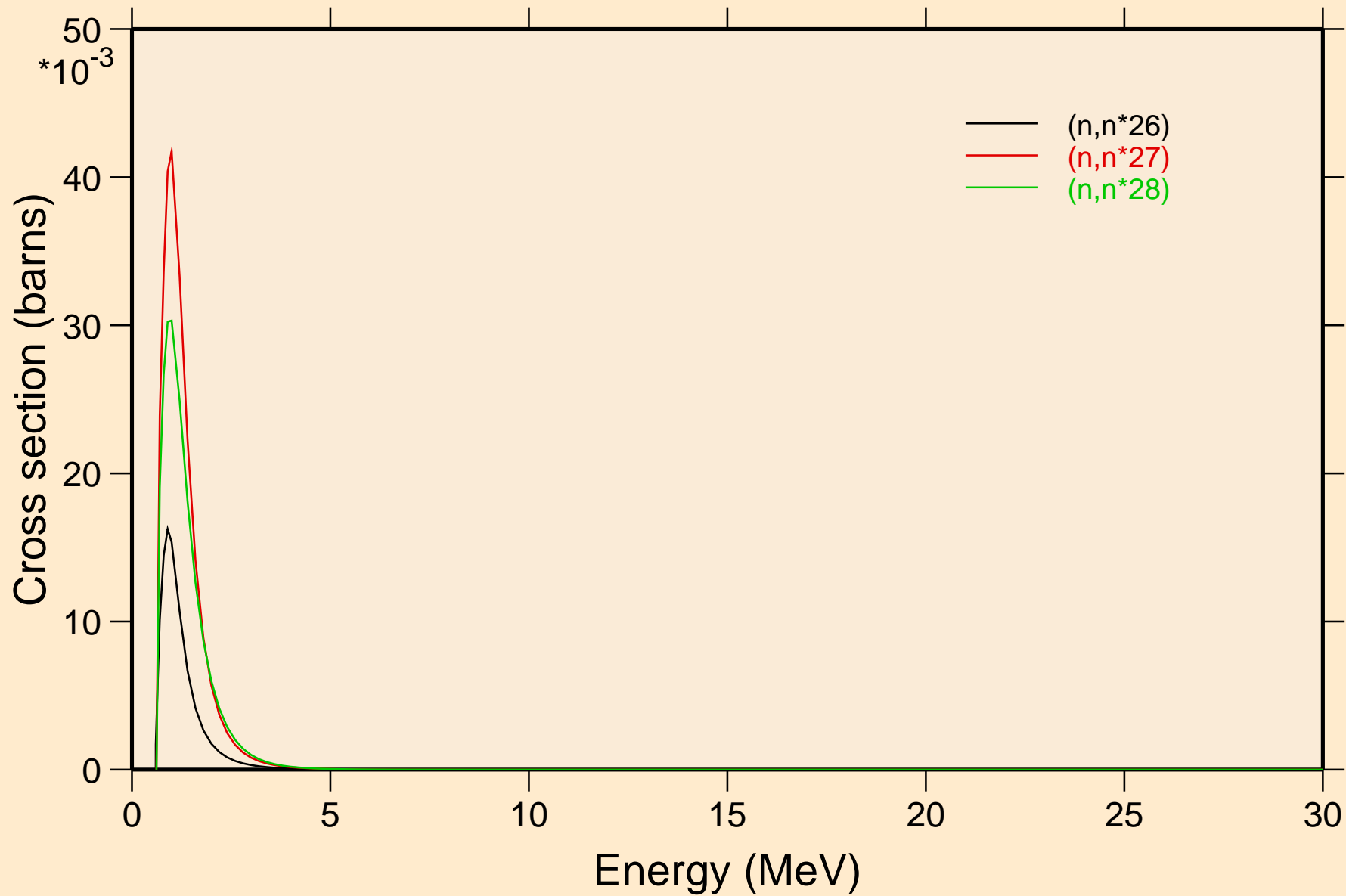




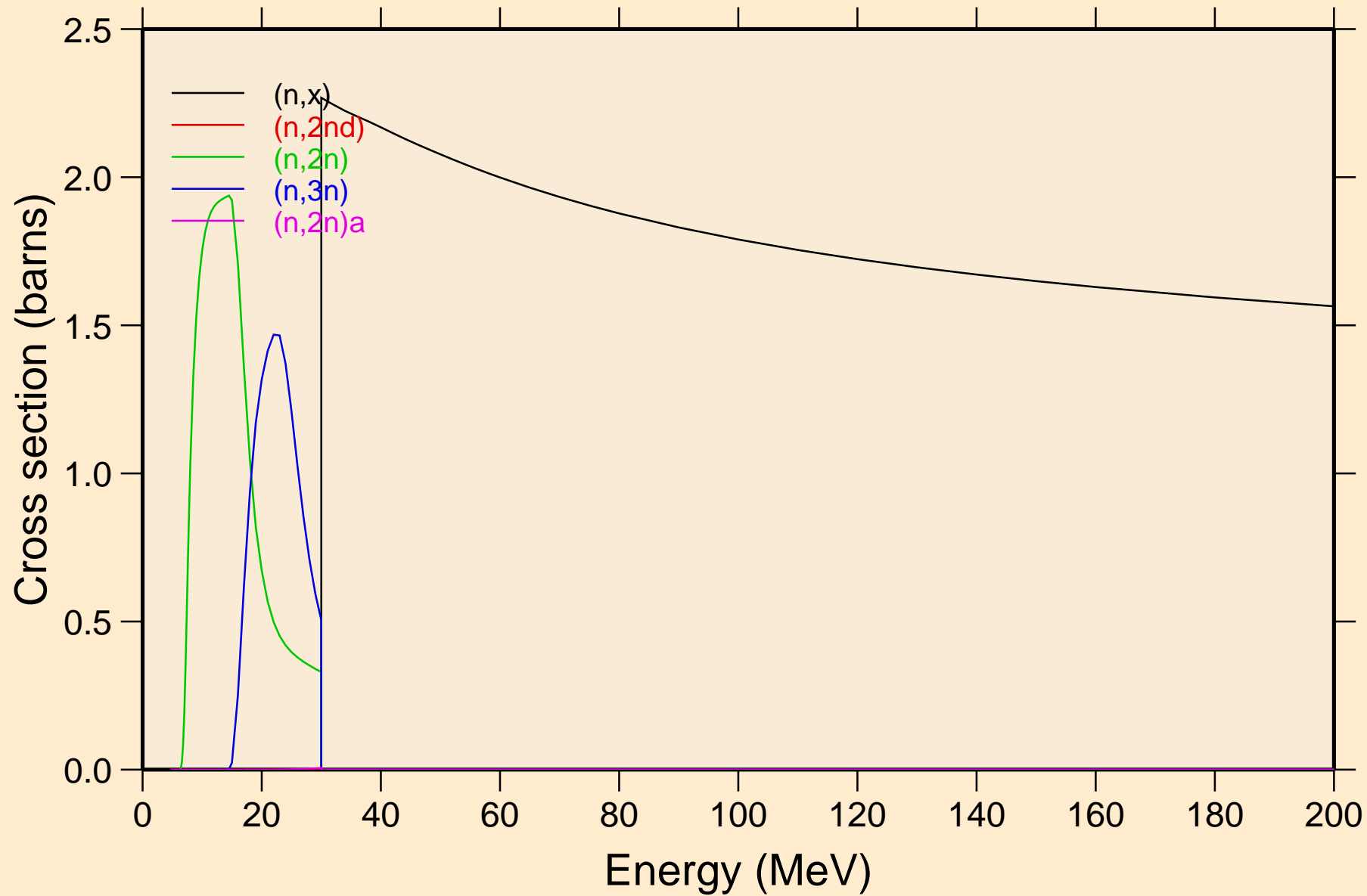
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



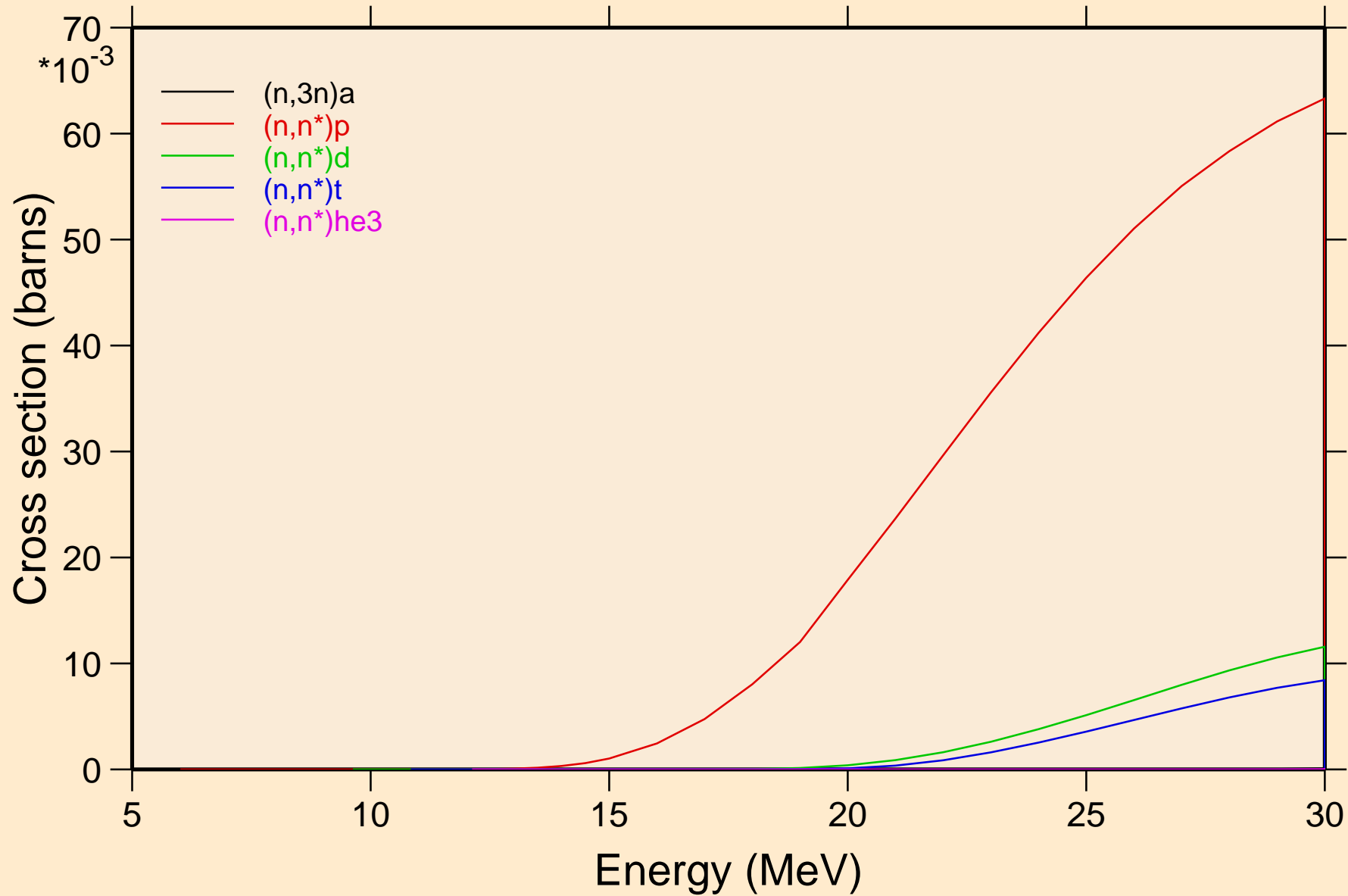
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



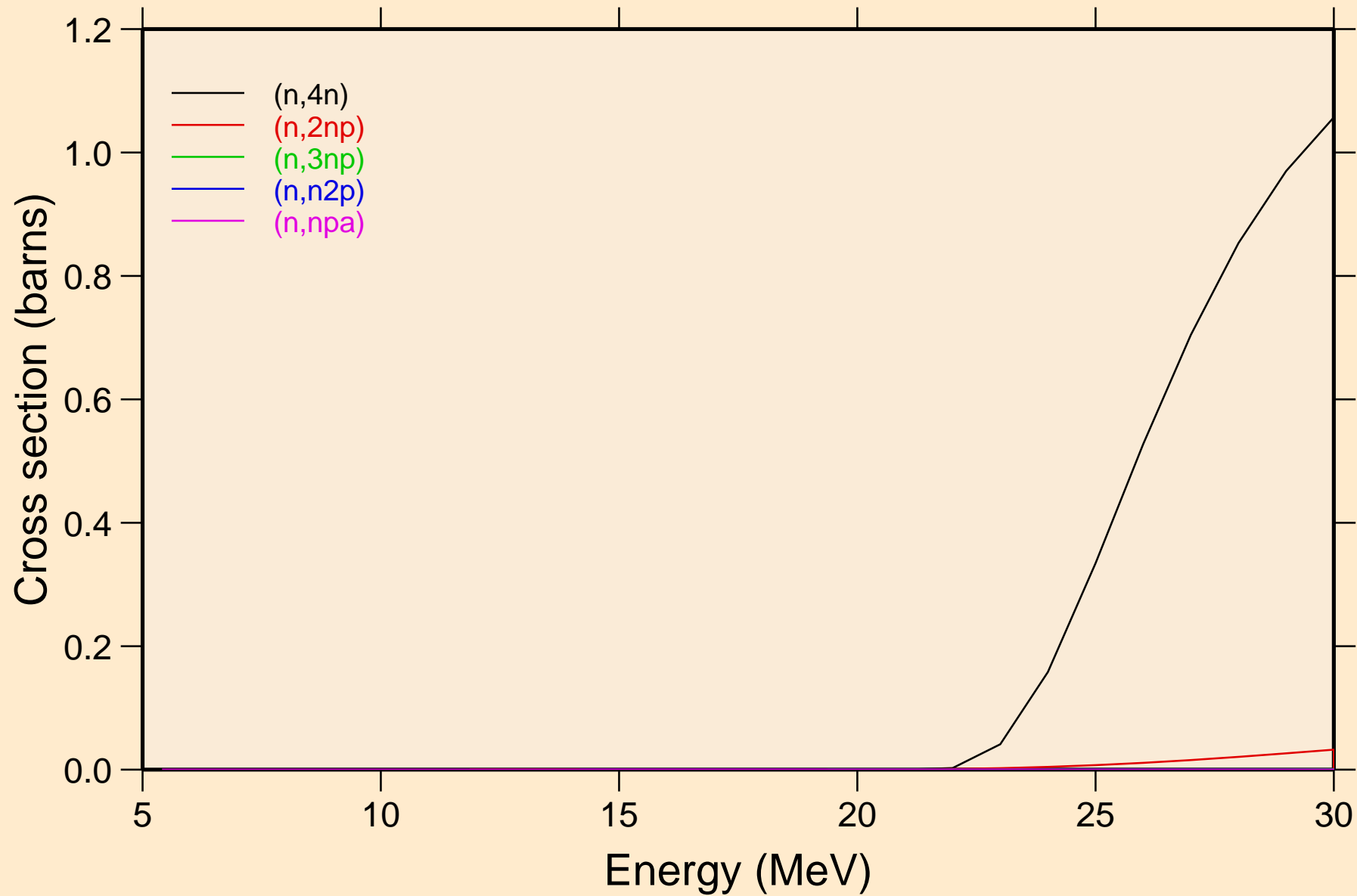
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



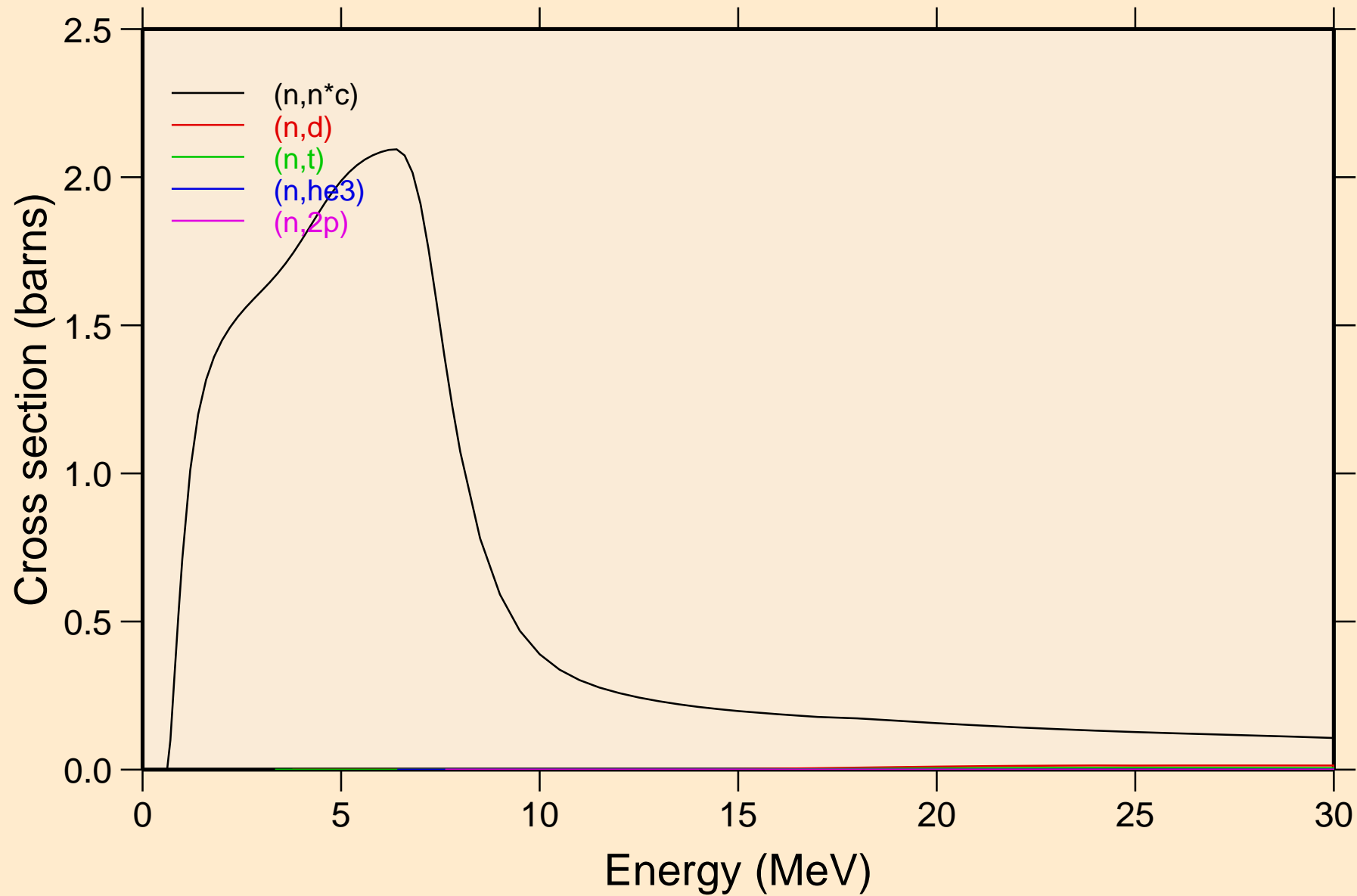
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



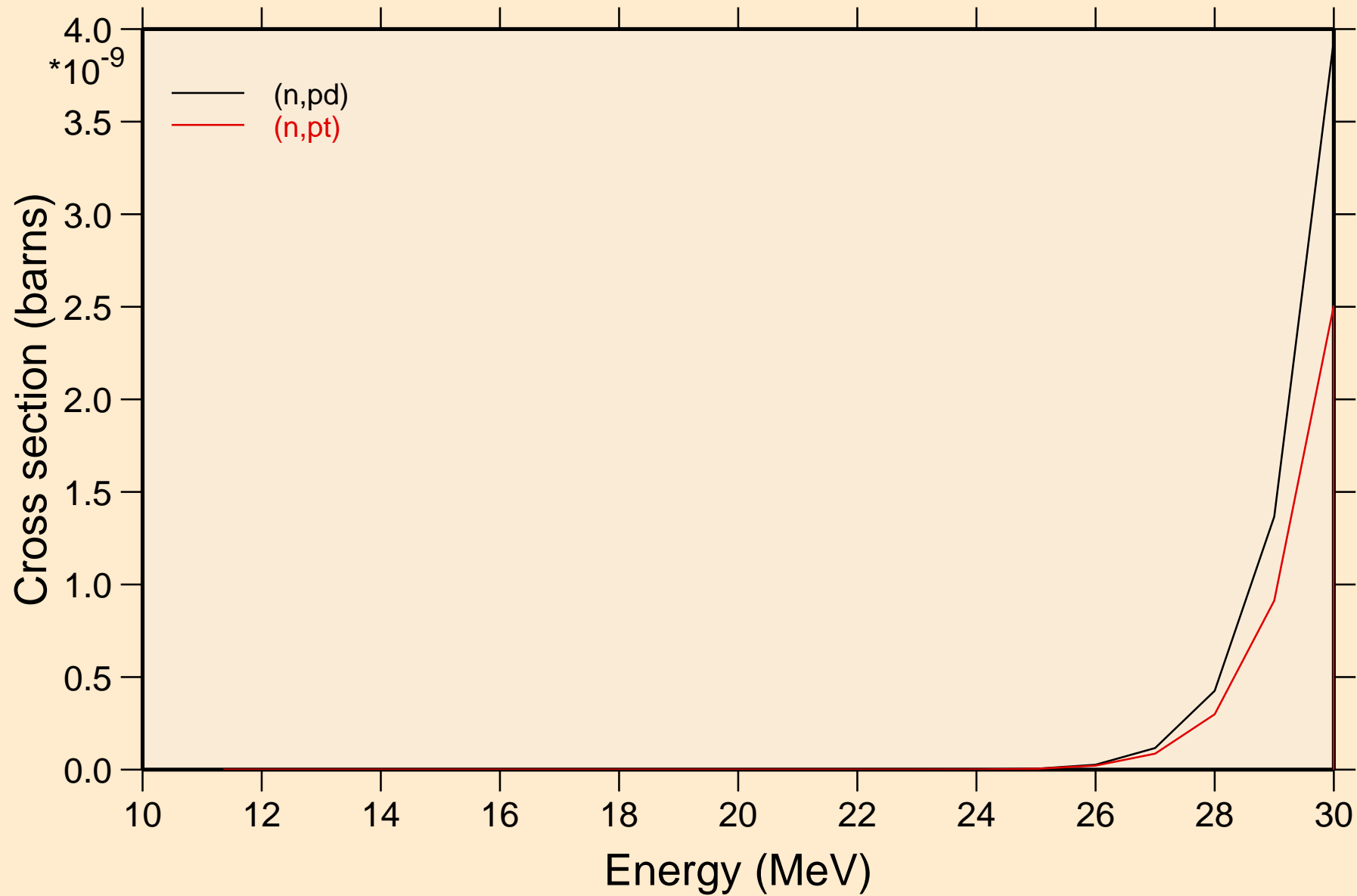
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

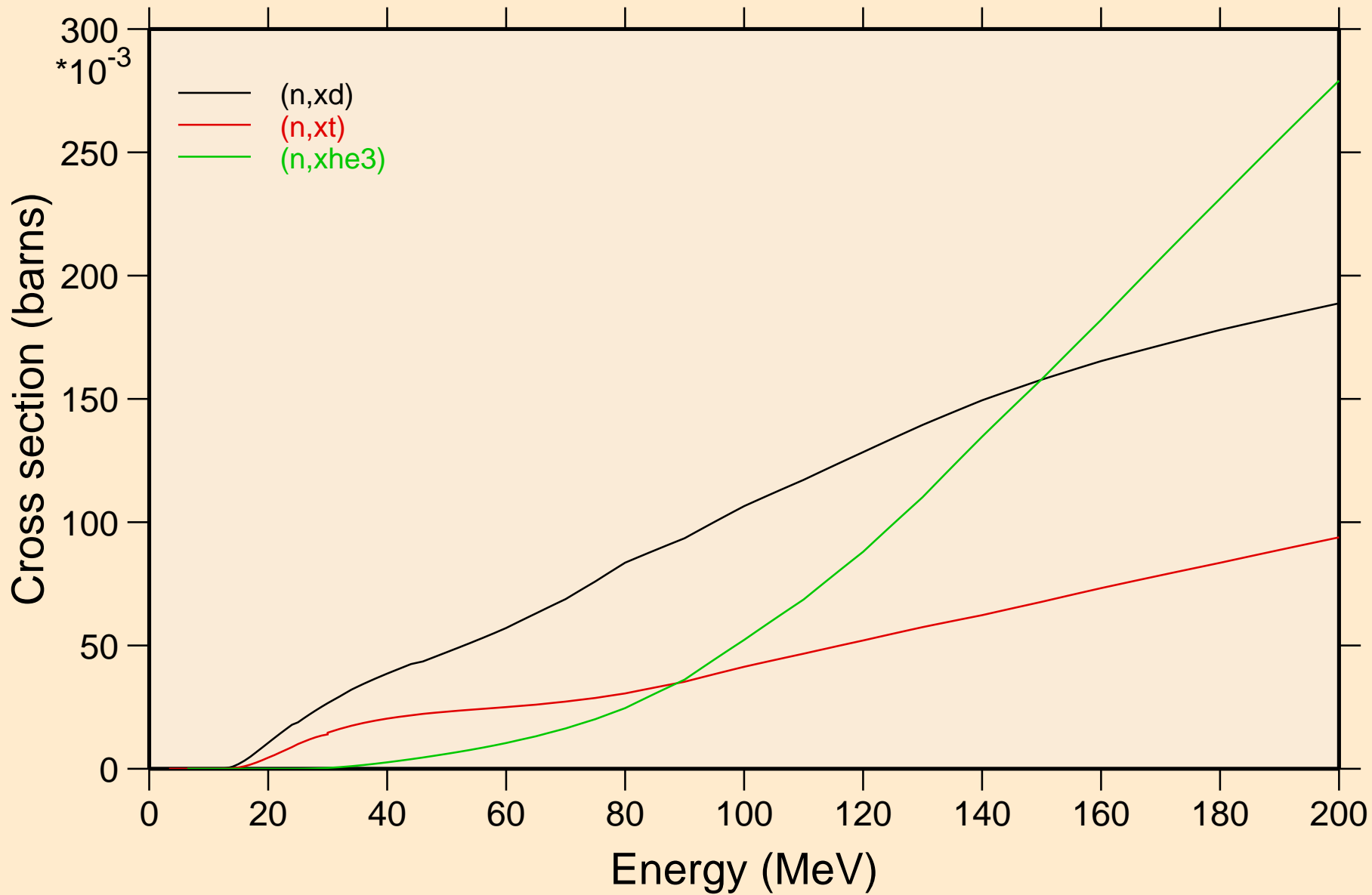


LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



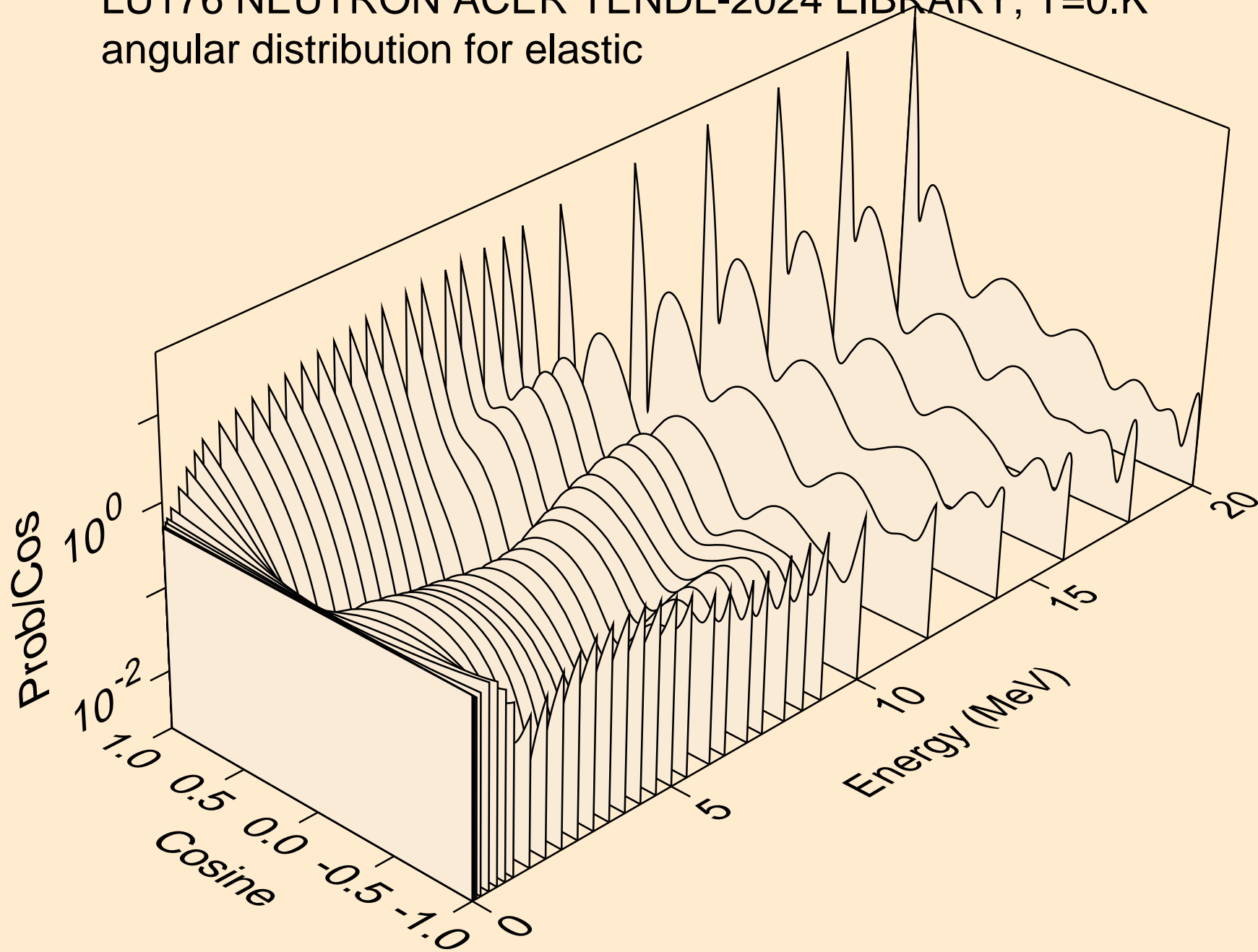
# LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

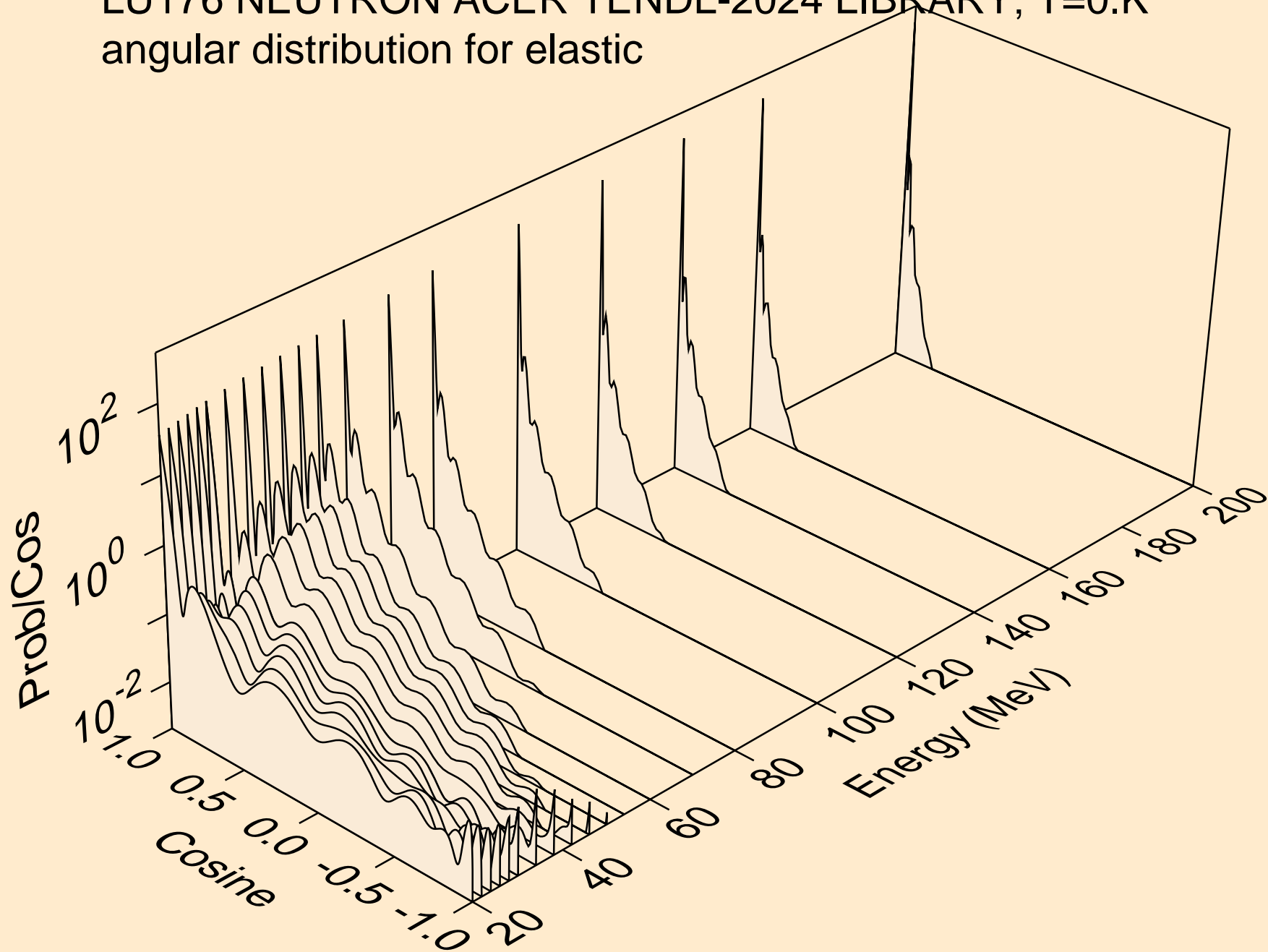




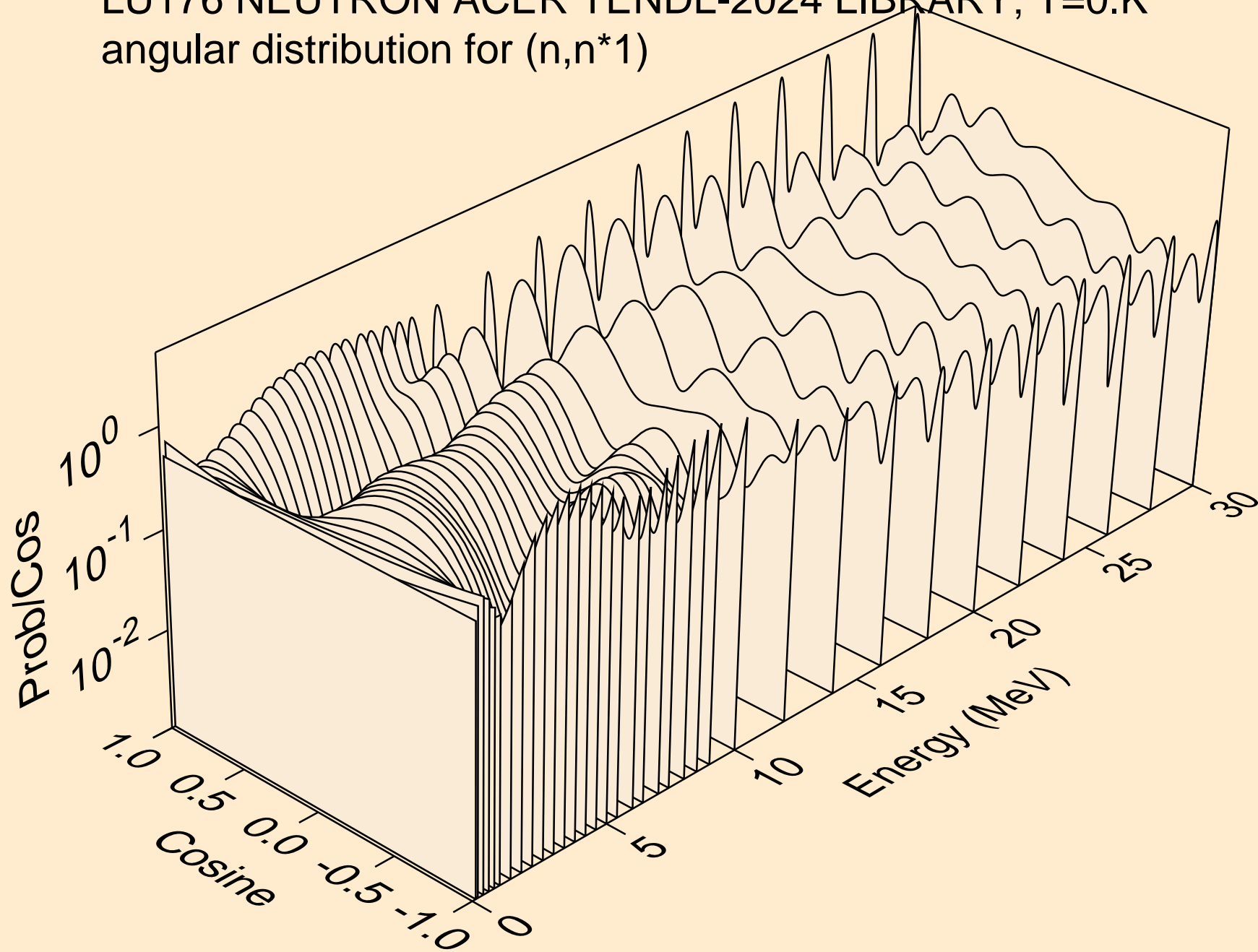
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



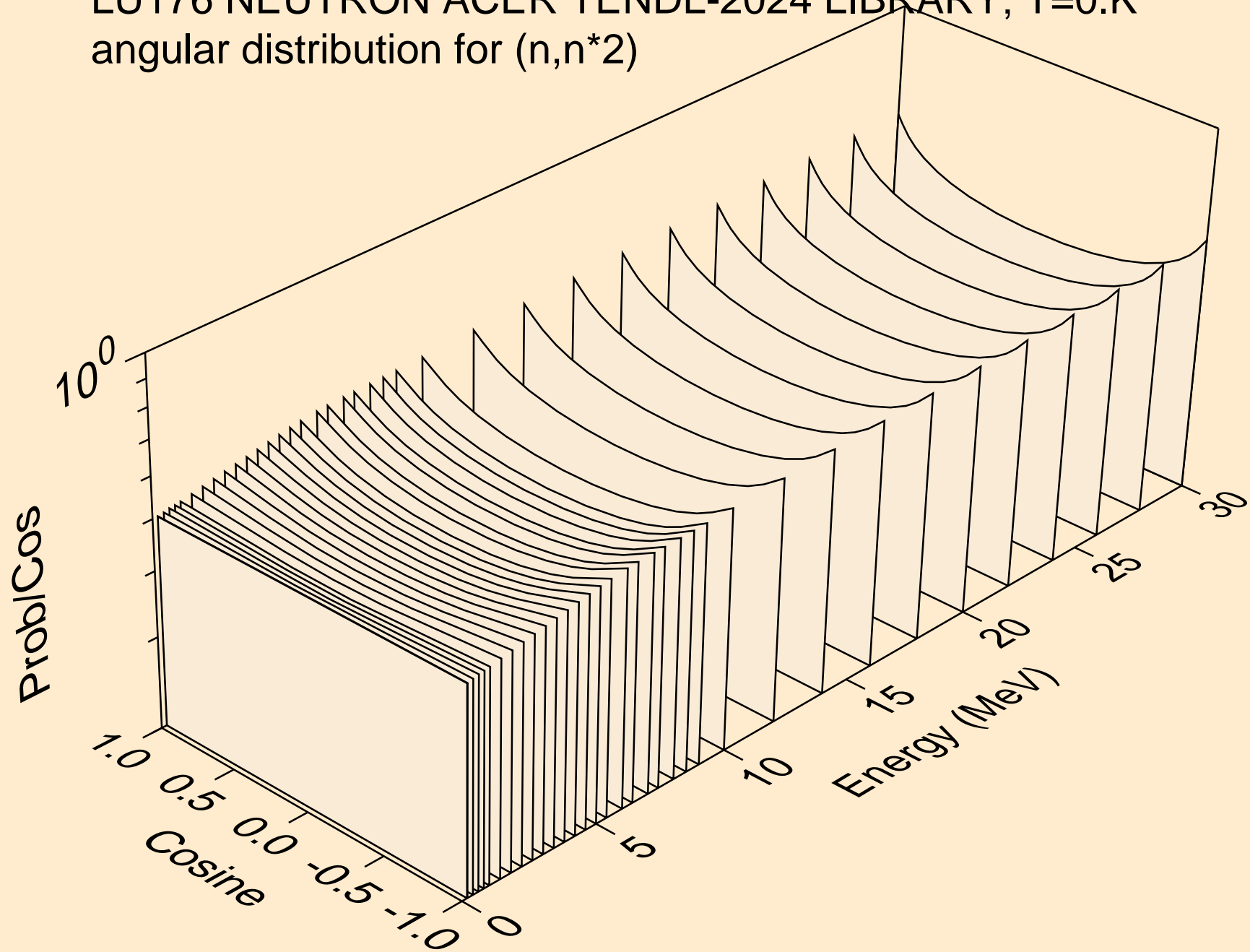
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



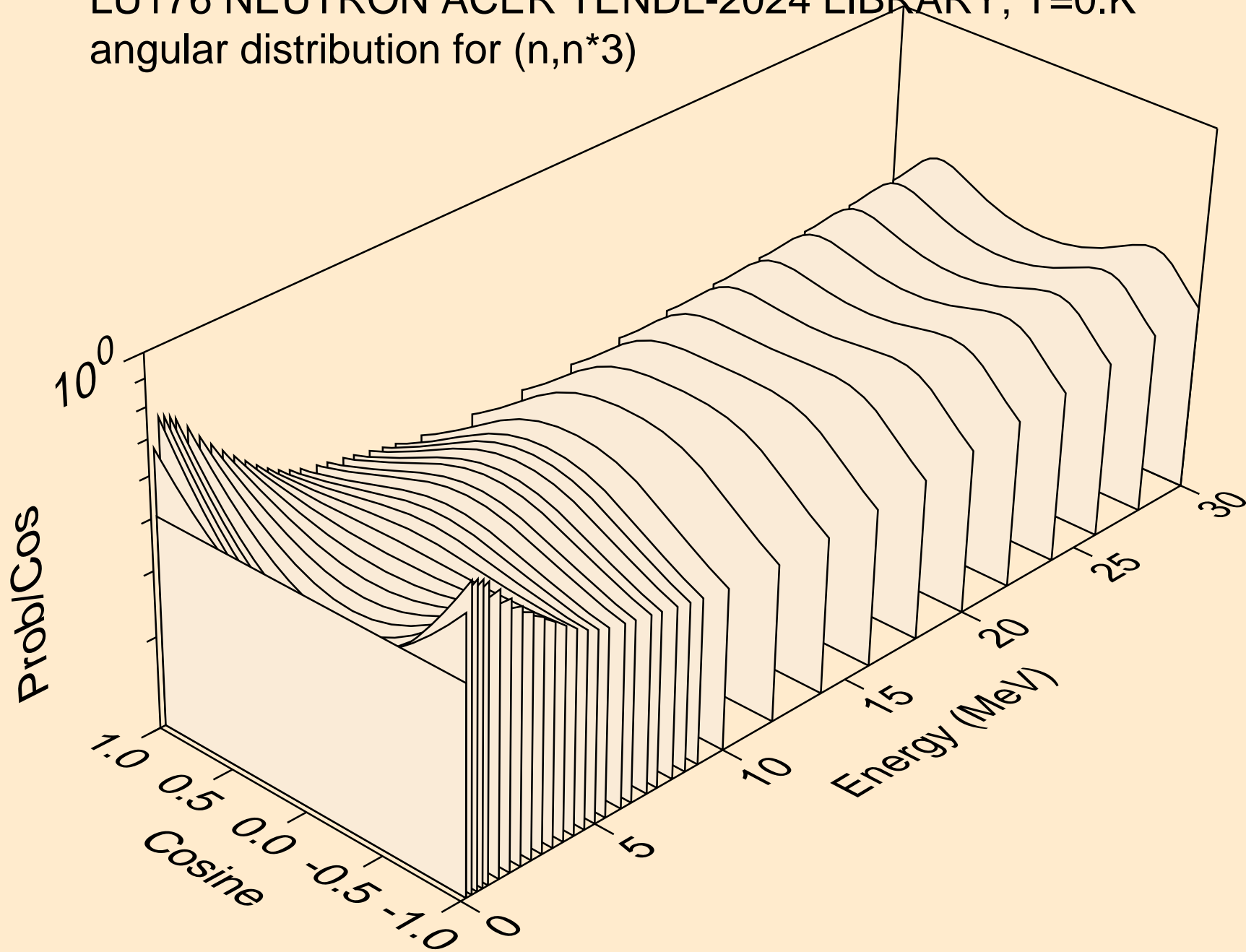
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



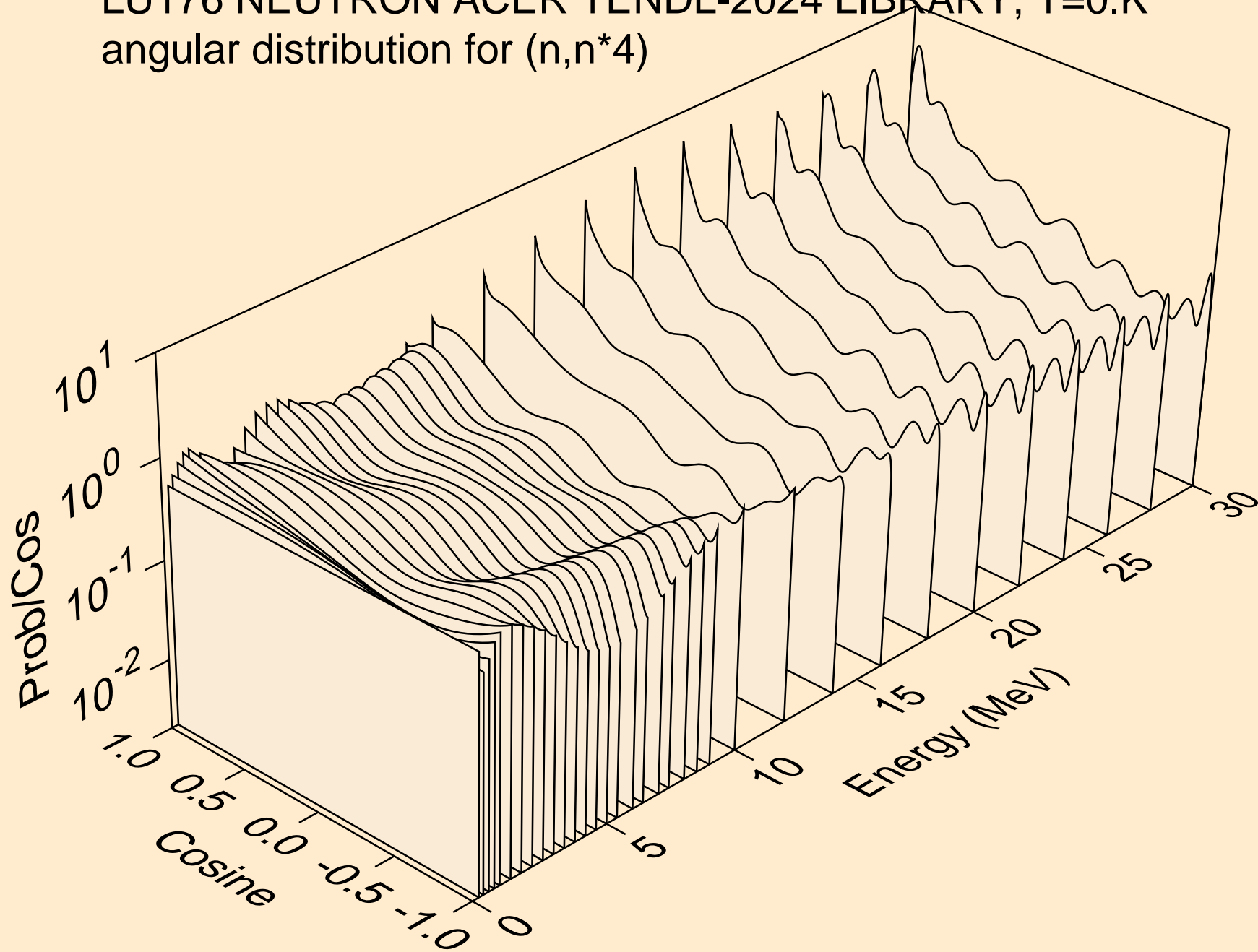
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



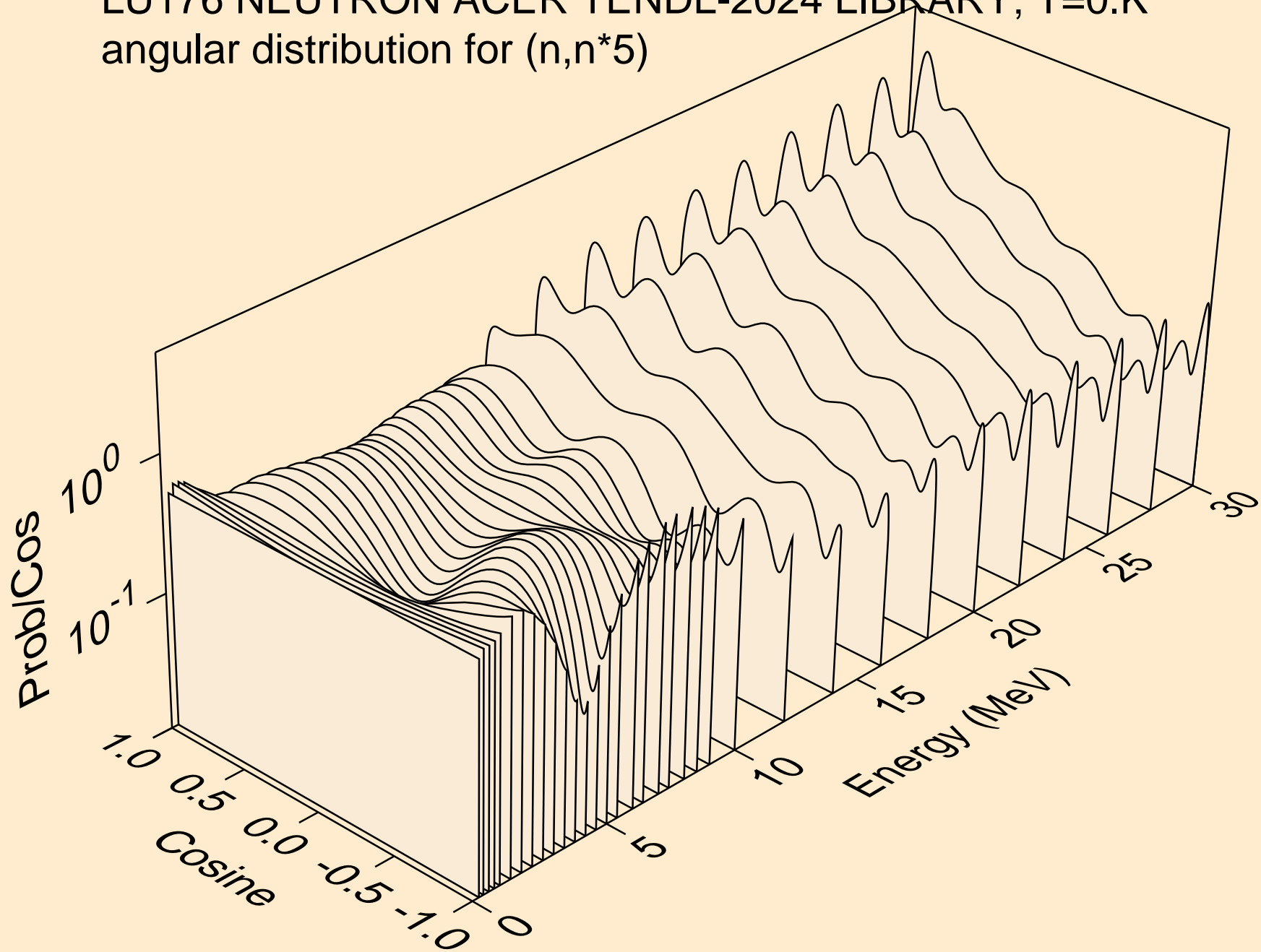
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



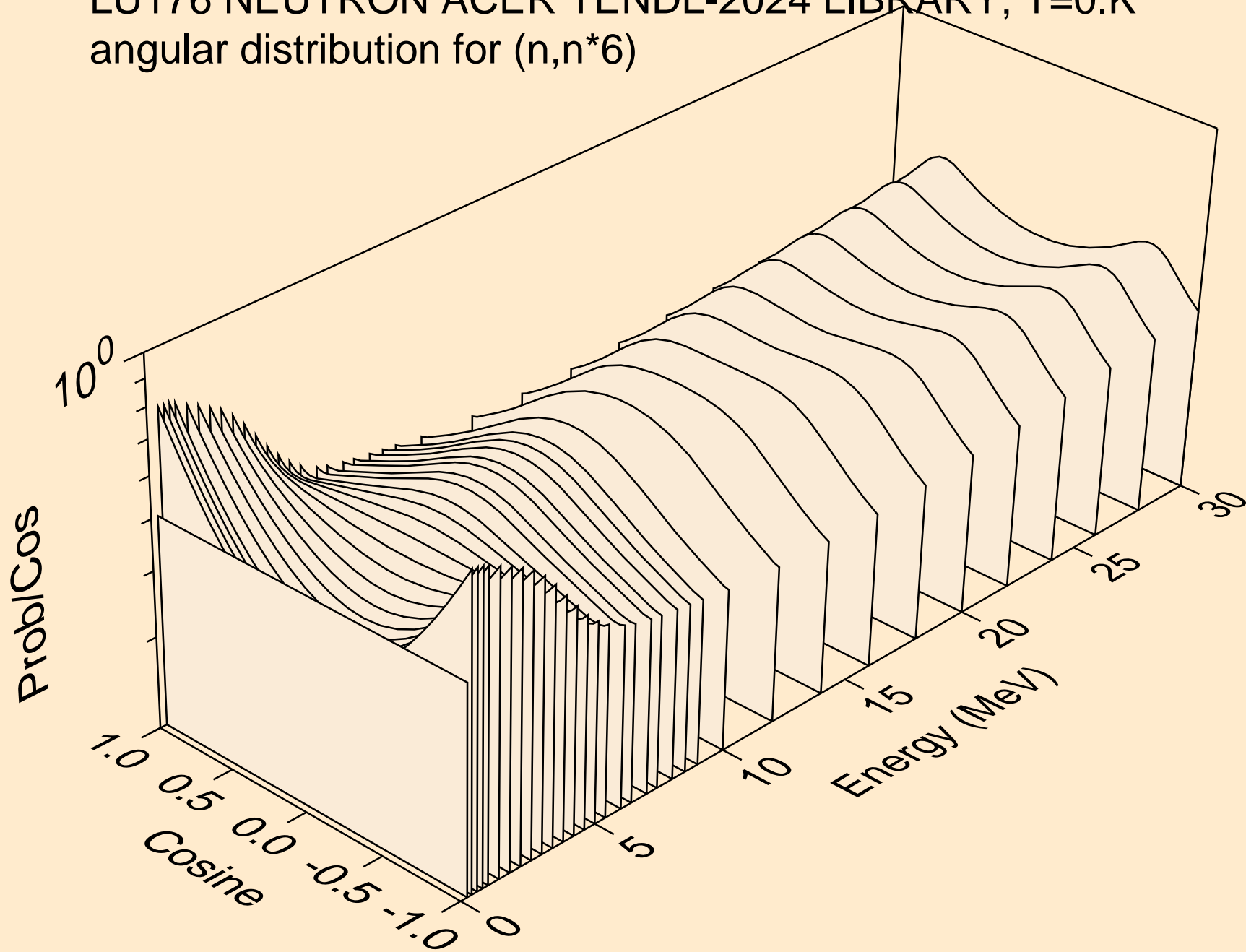
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)

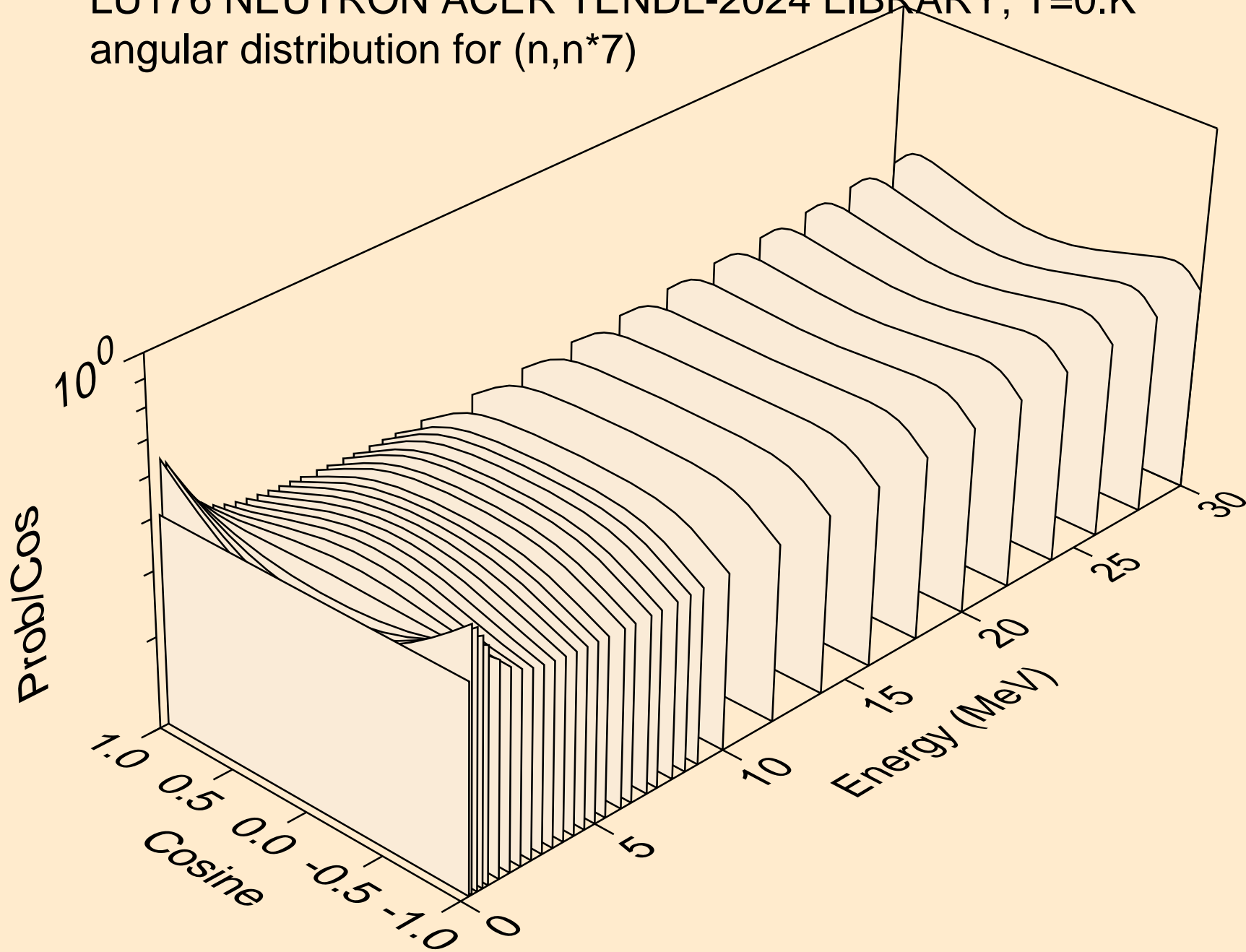


LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)

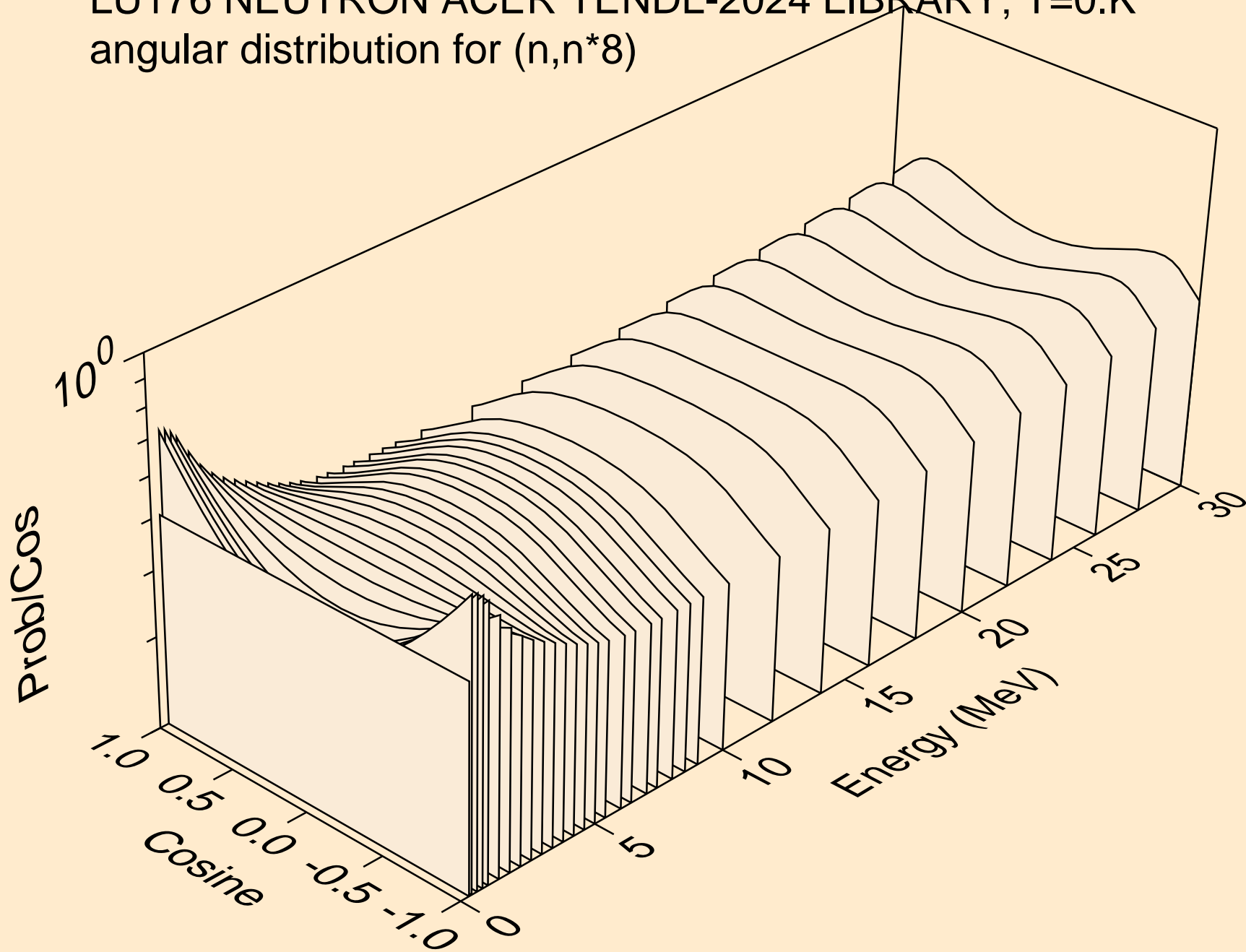




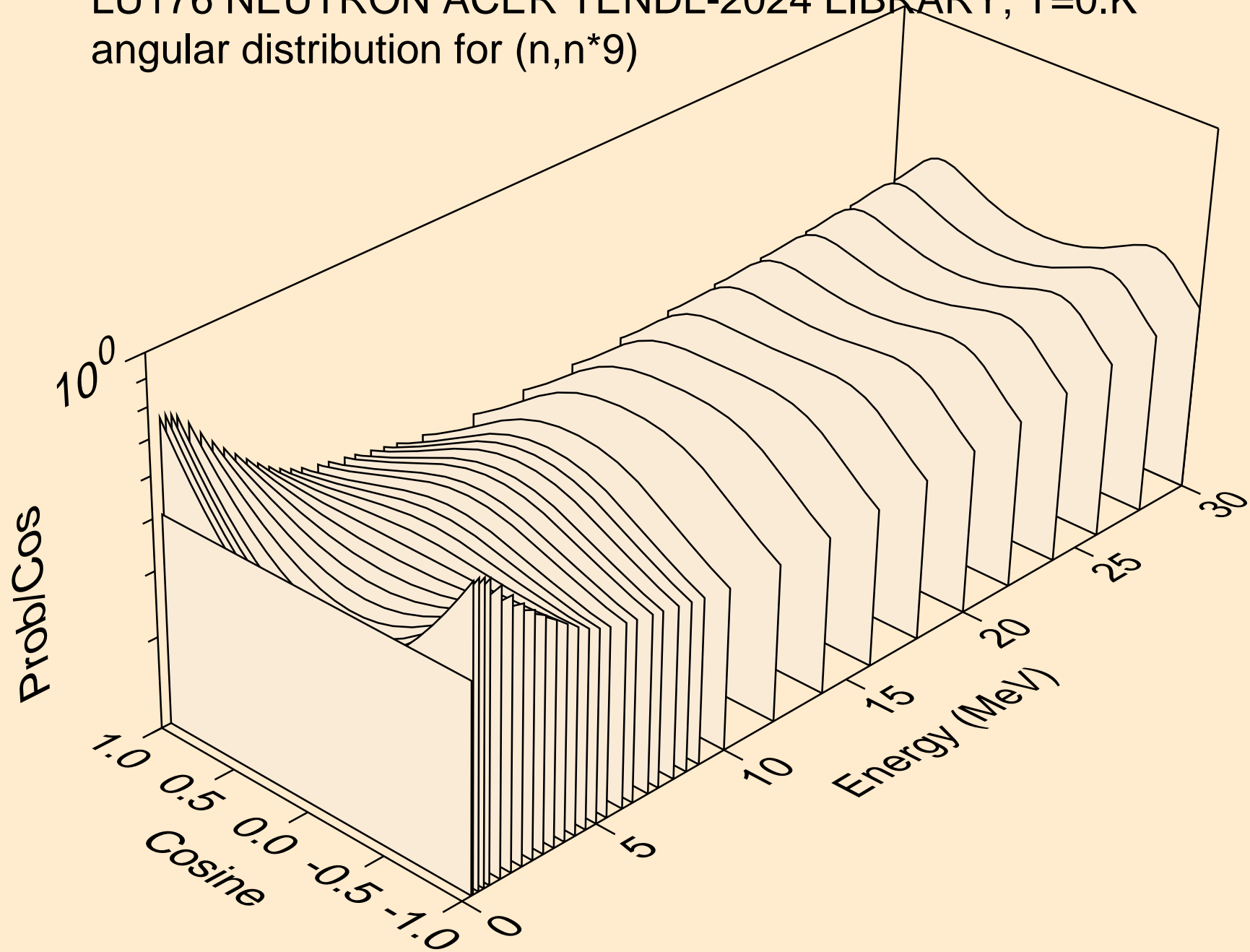
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angular distribution for (n,n\*7)



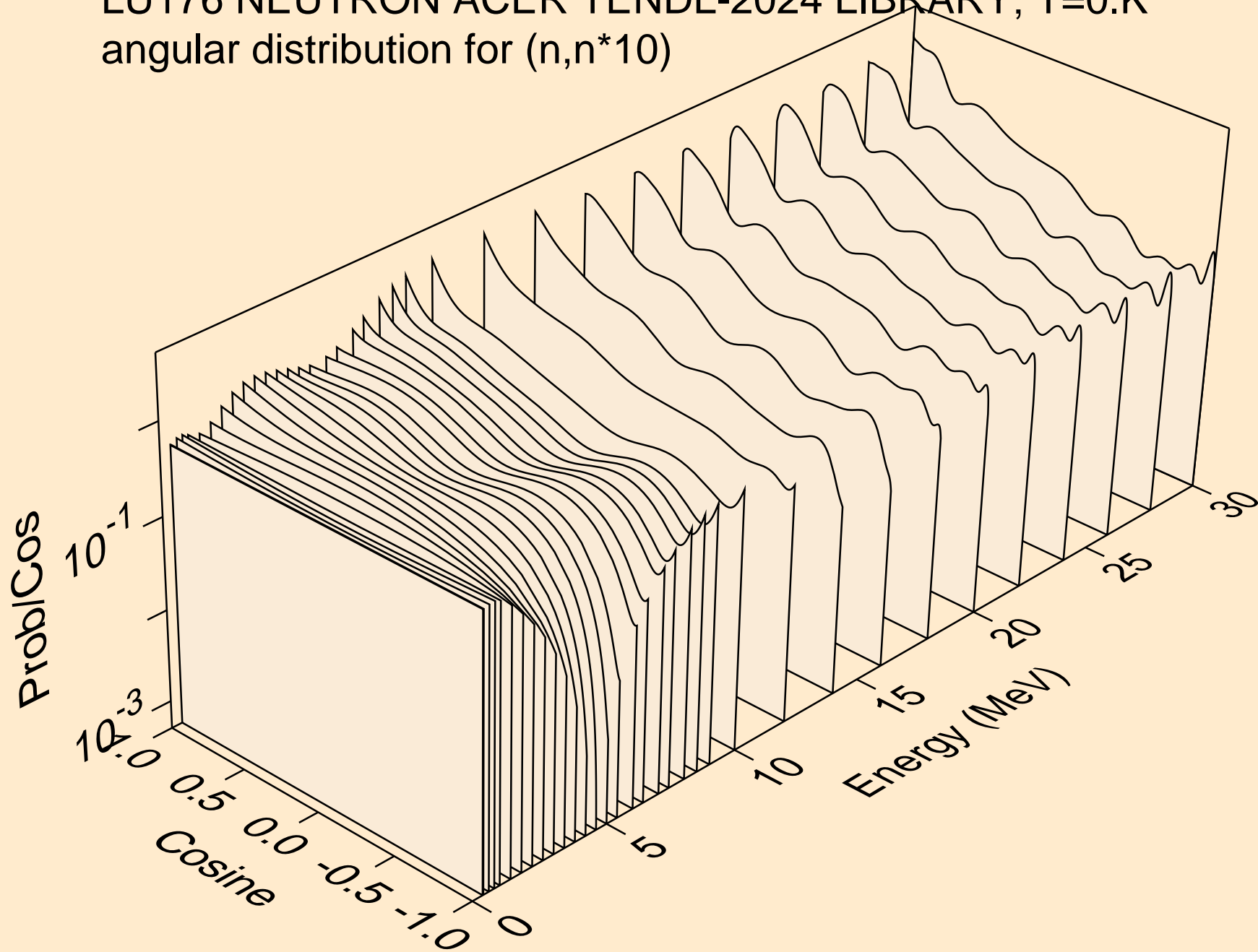
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angular distribution for (n,n\*8)



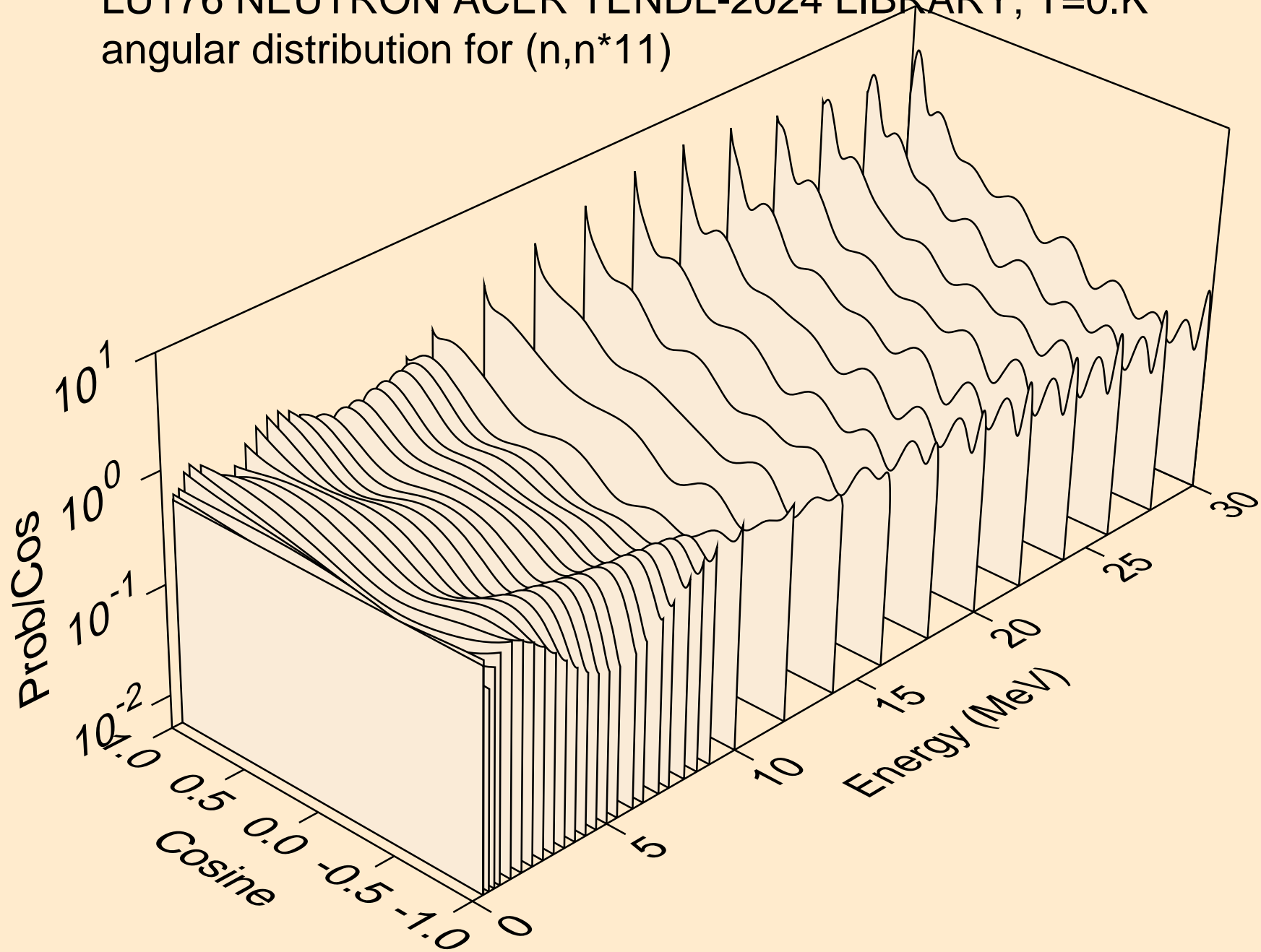
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angular distribution for (n,n\*9)



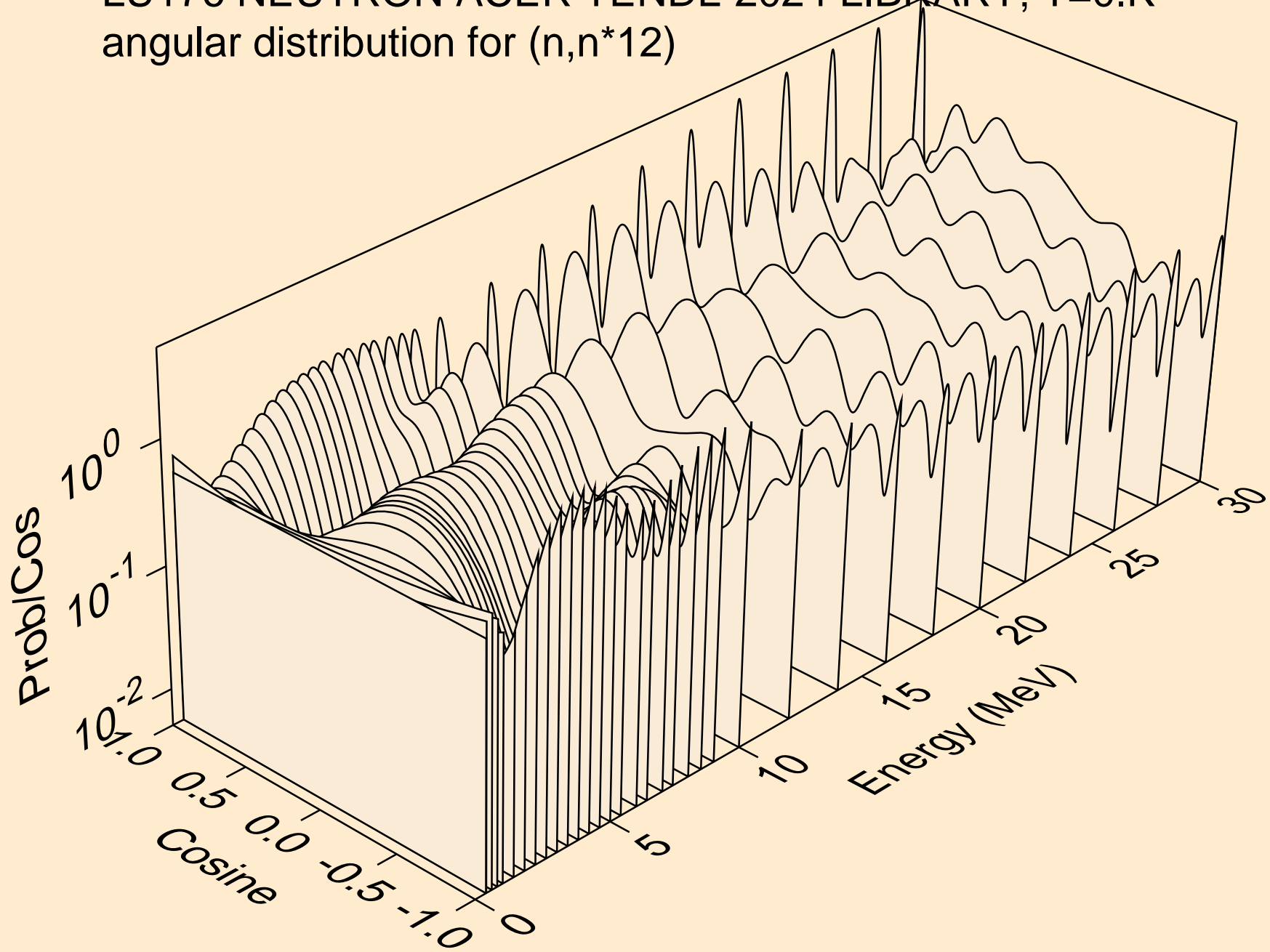
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angular distribution for (n,n\*10)



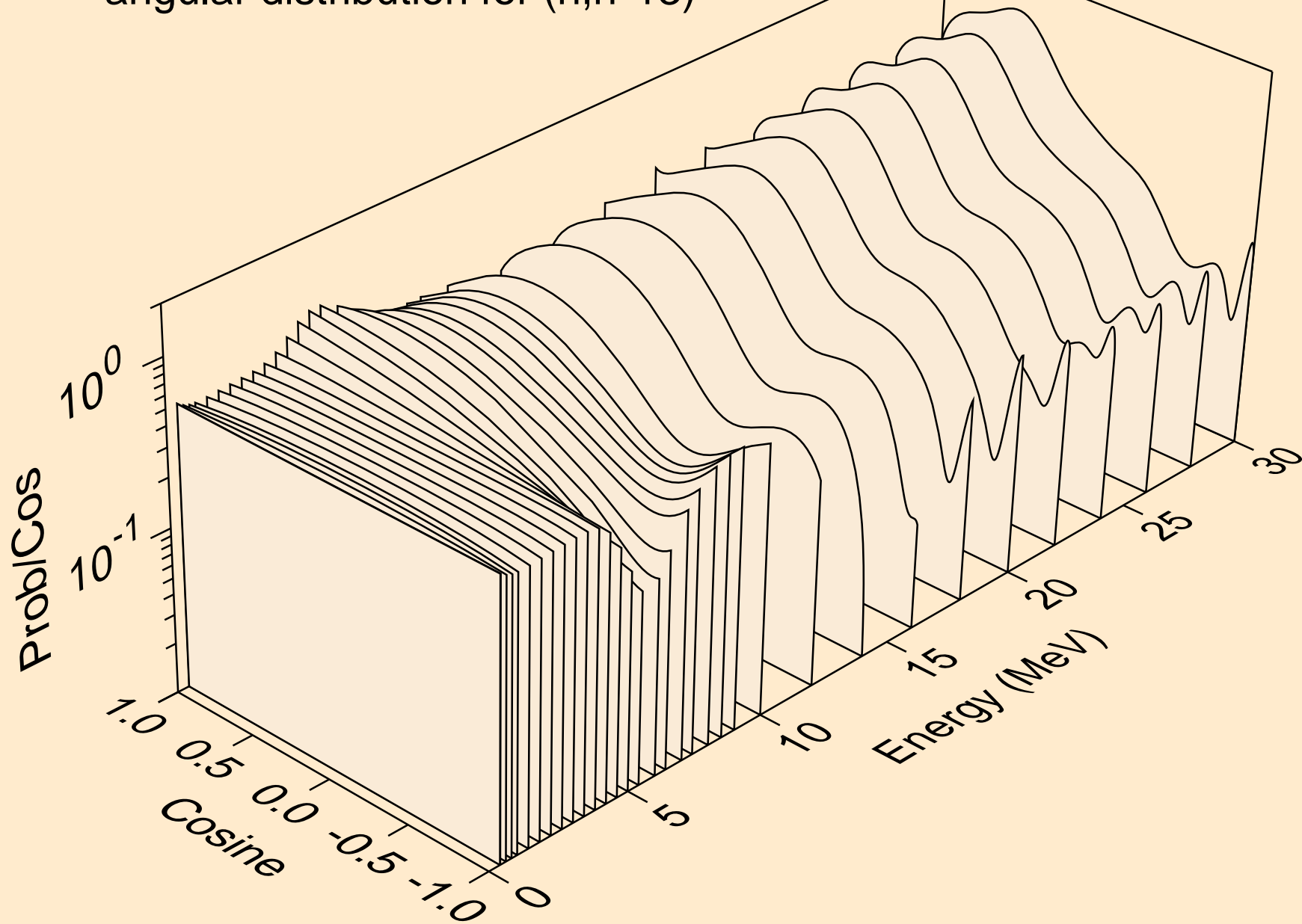
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angular distribution for (n,n\*11)



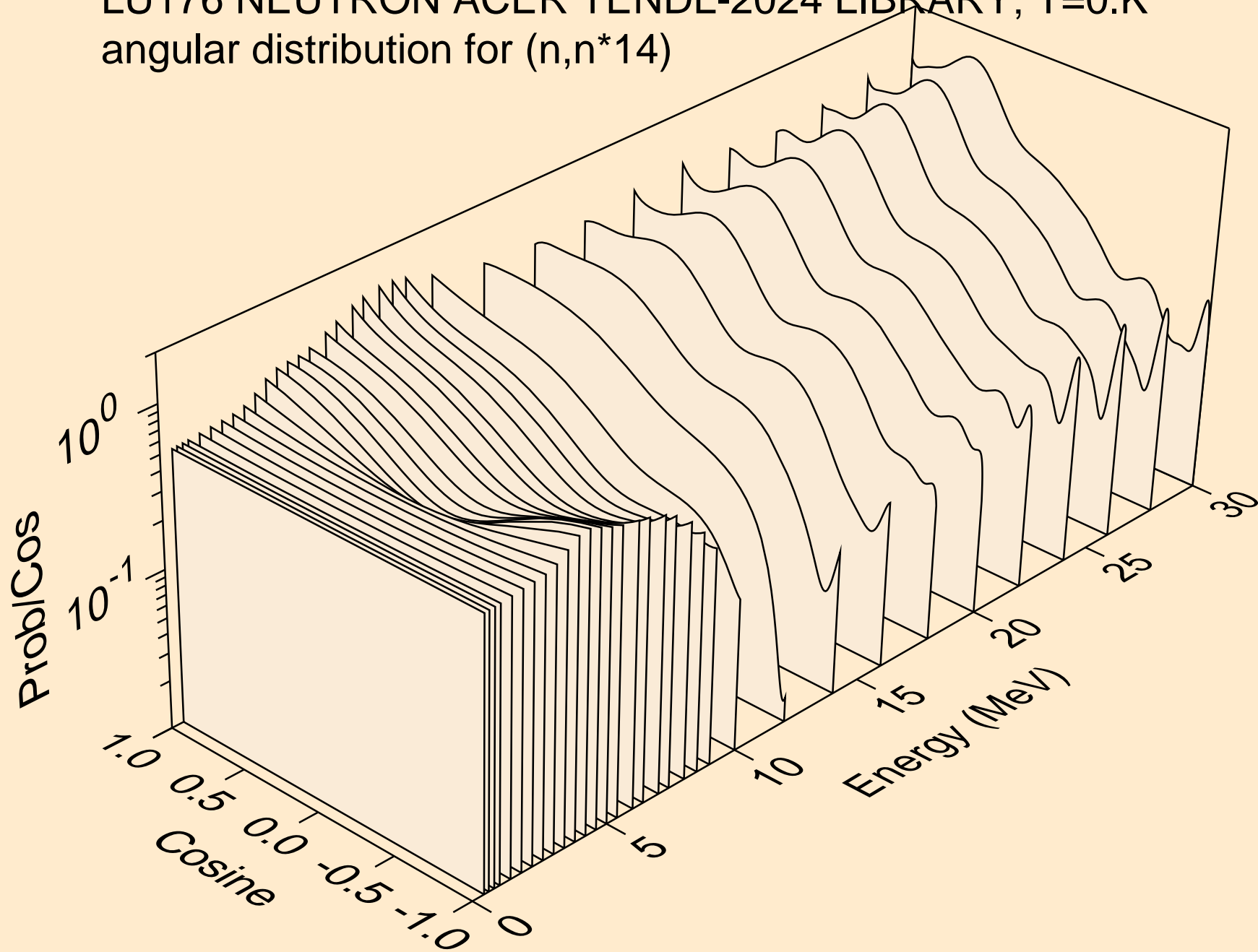
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*13)

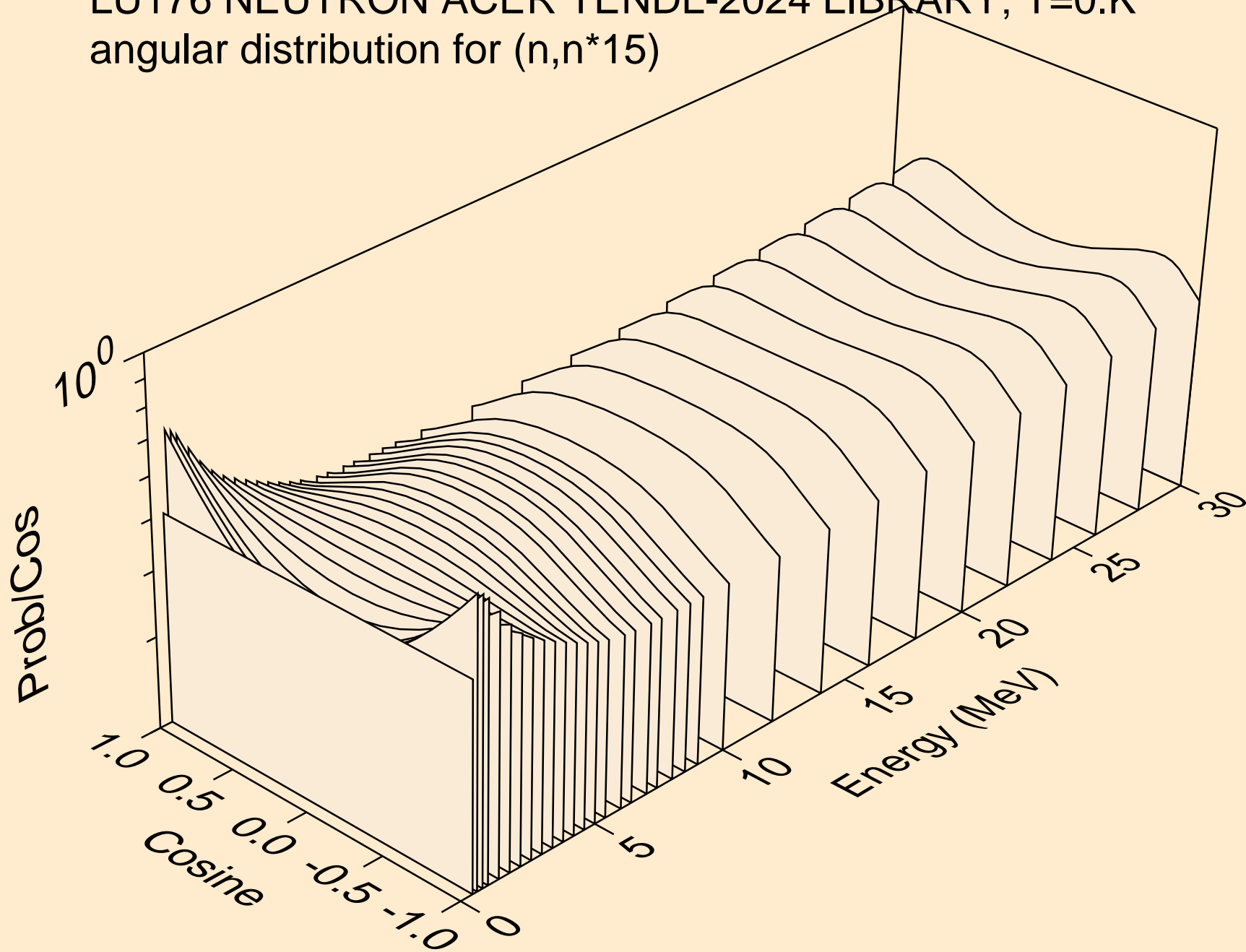


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angular distribution for (n,n\*14)

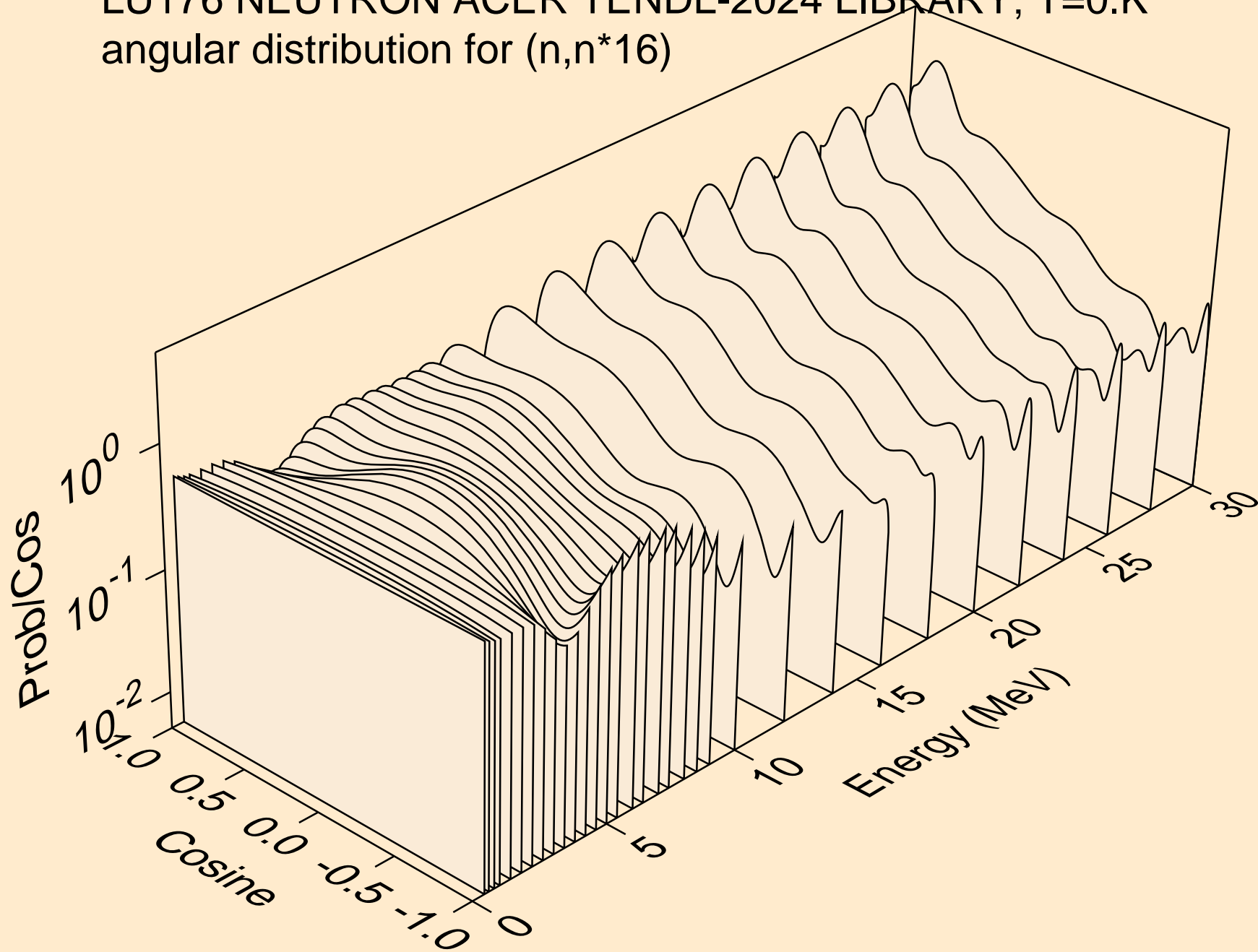




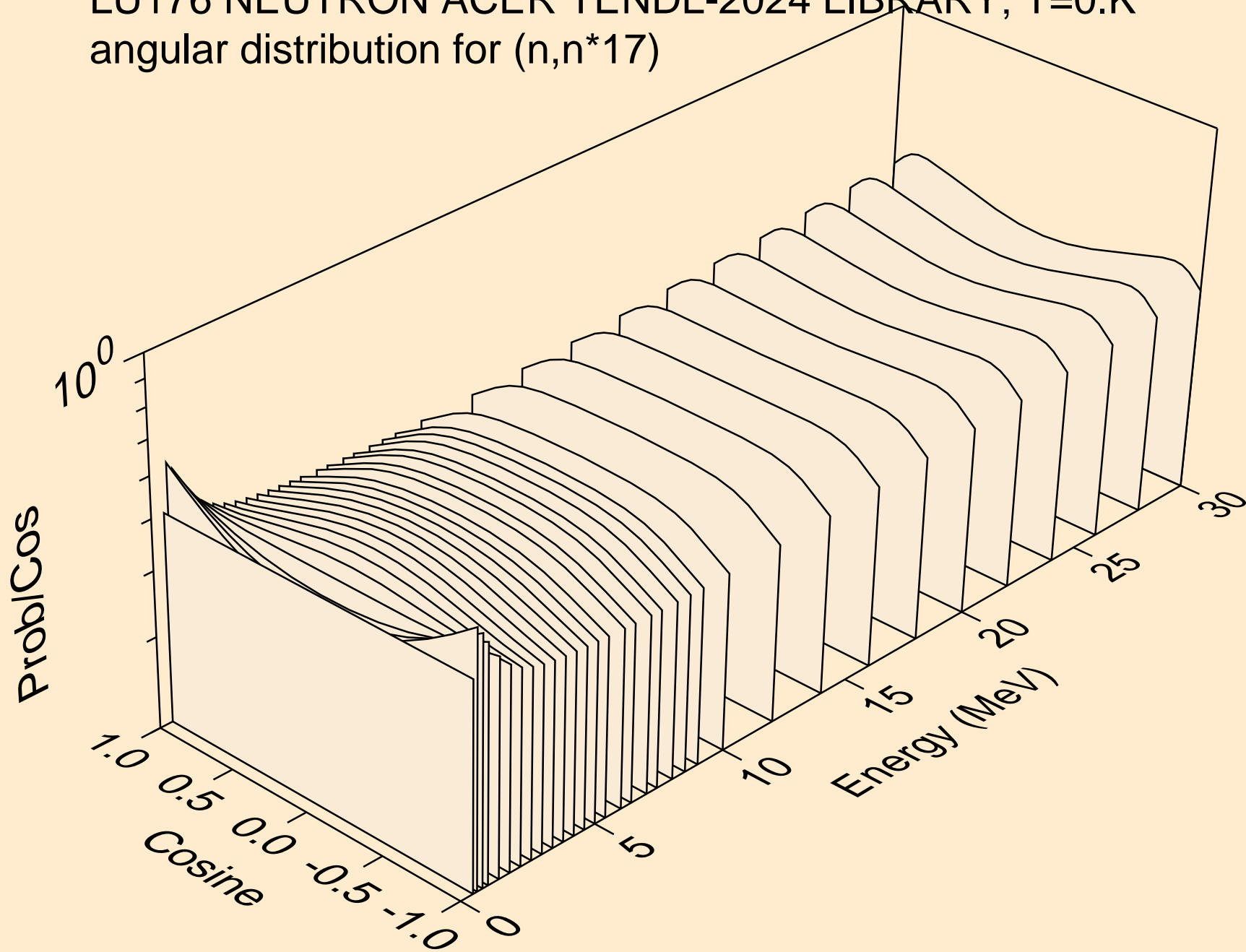
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angular distribution for (n,n\*15)



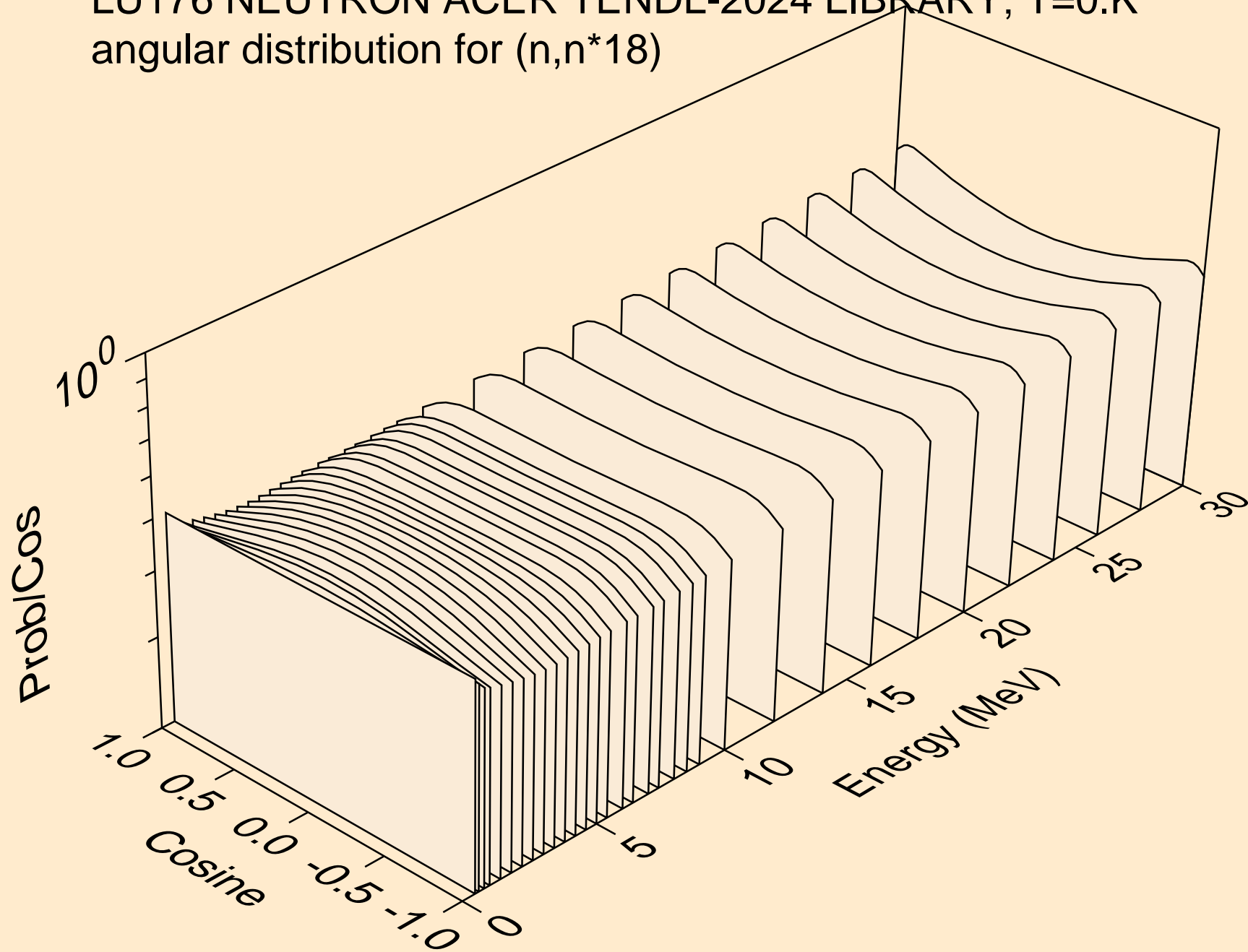
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angular distribution for (n,n\*16)



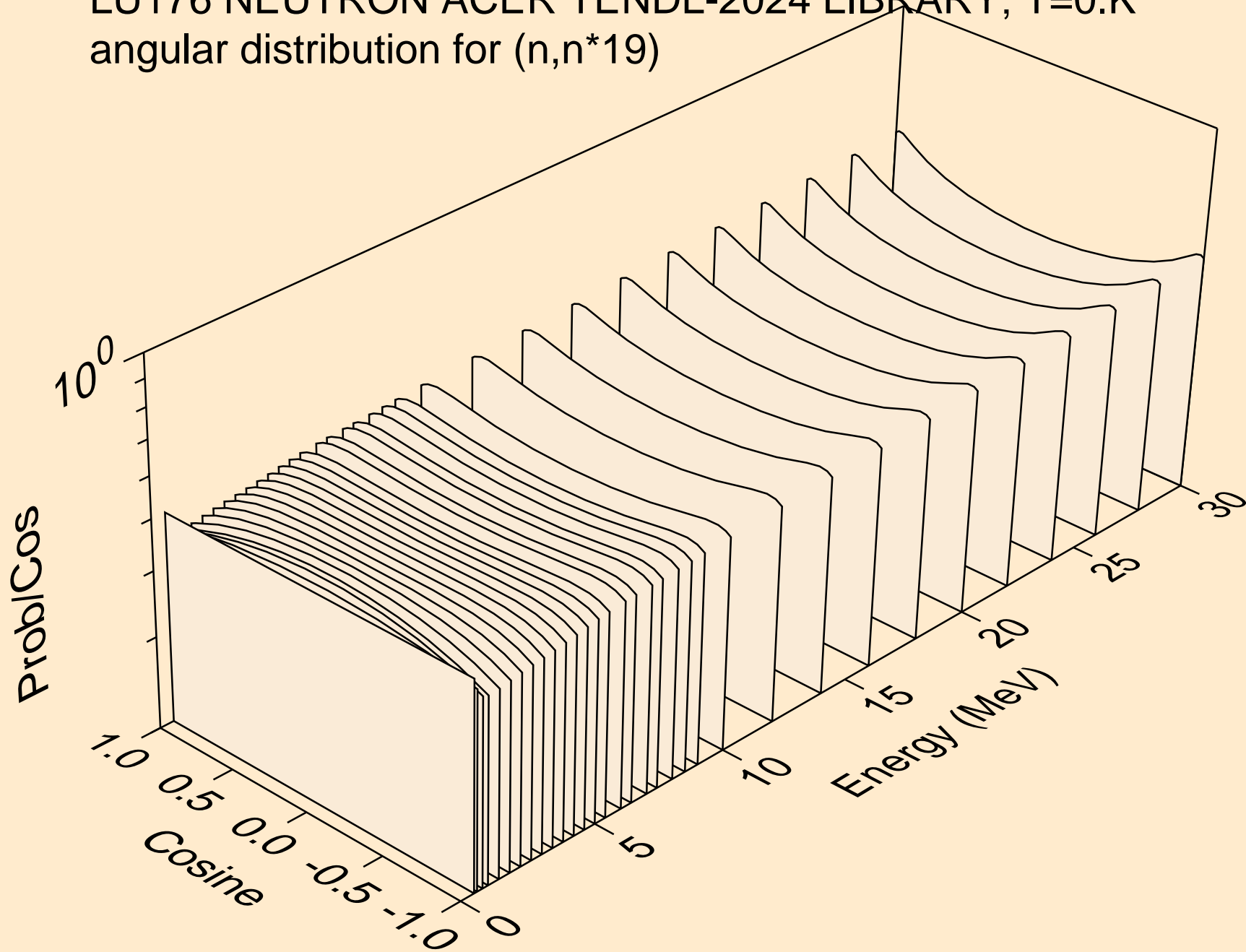
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angular distribution for (n,n\*17)



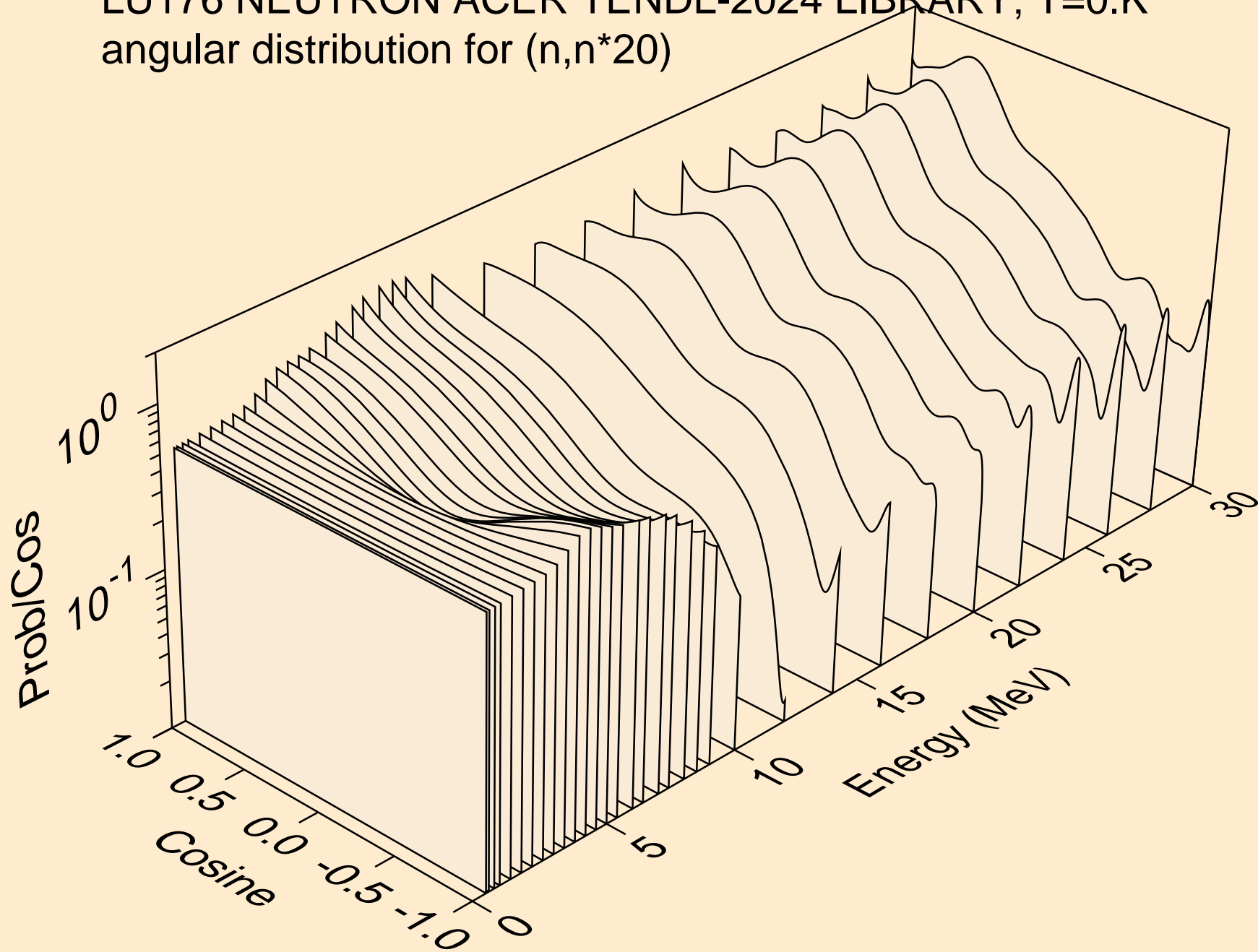
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angular distribution for (n,n\*18)



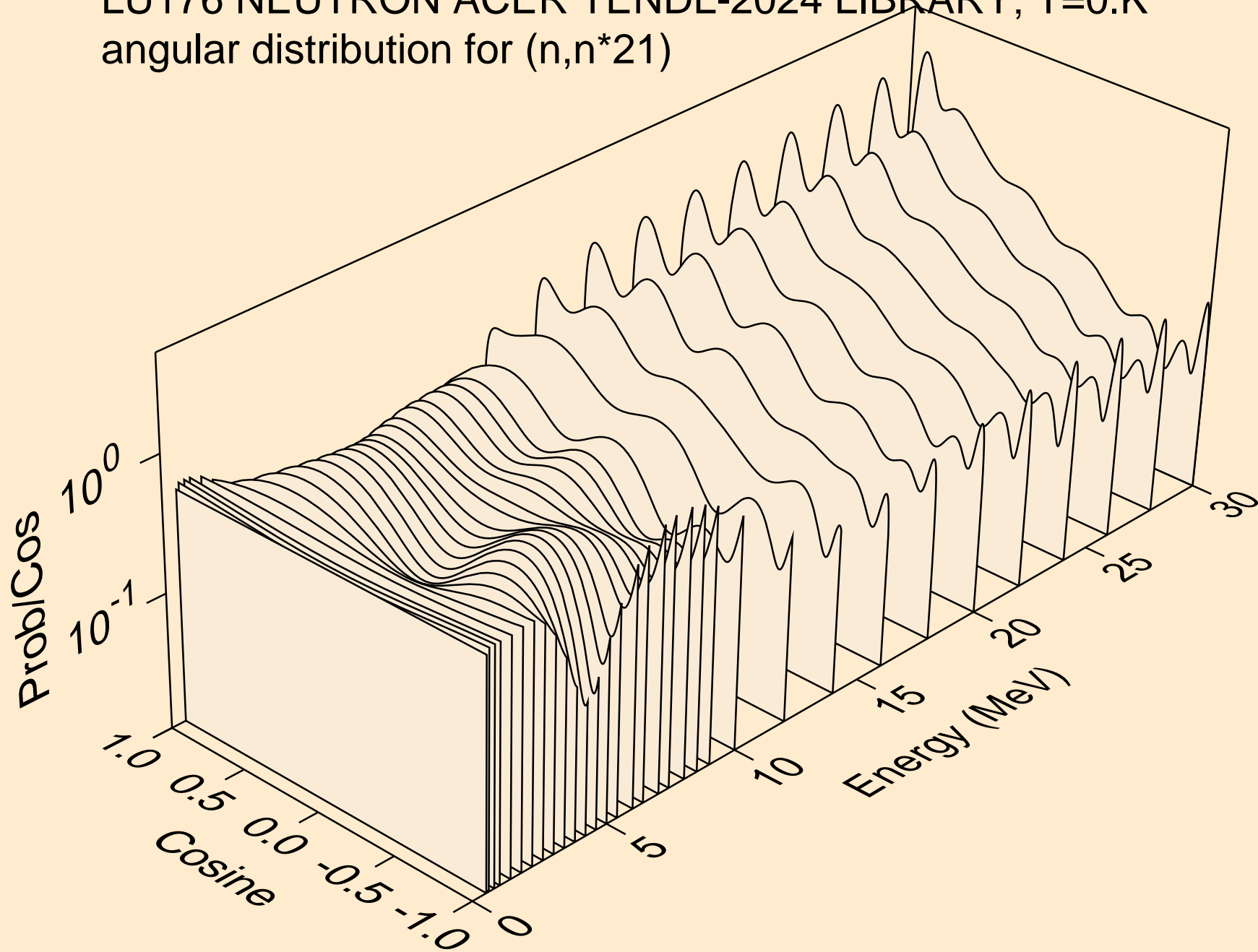
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



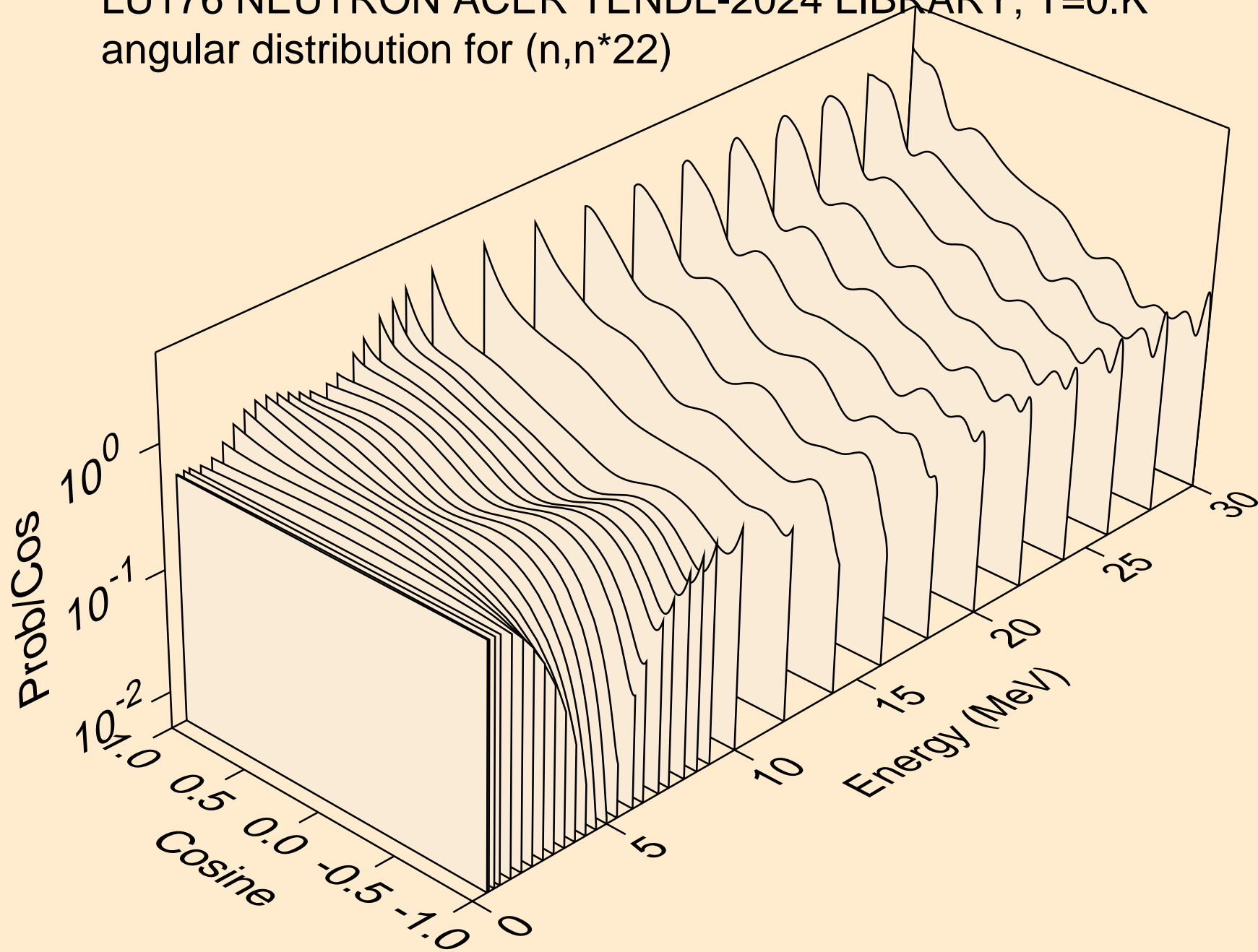
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*20)



LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*21)

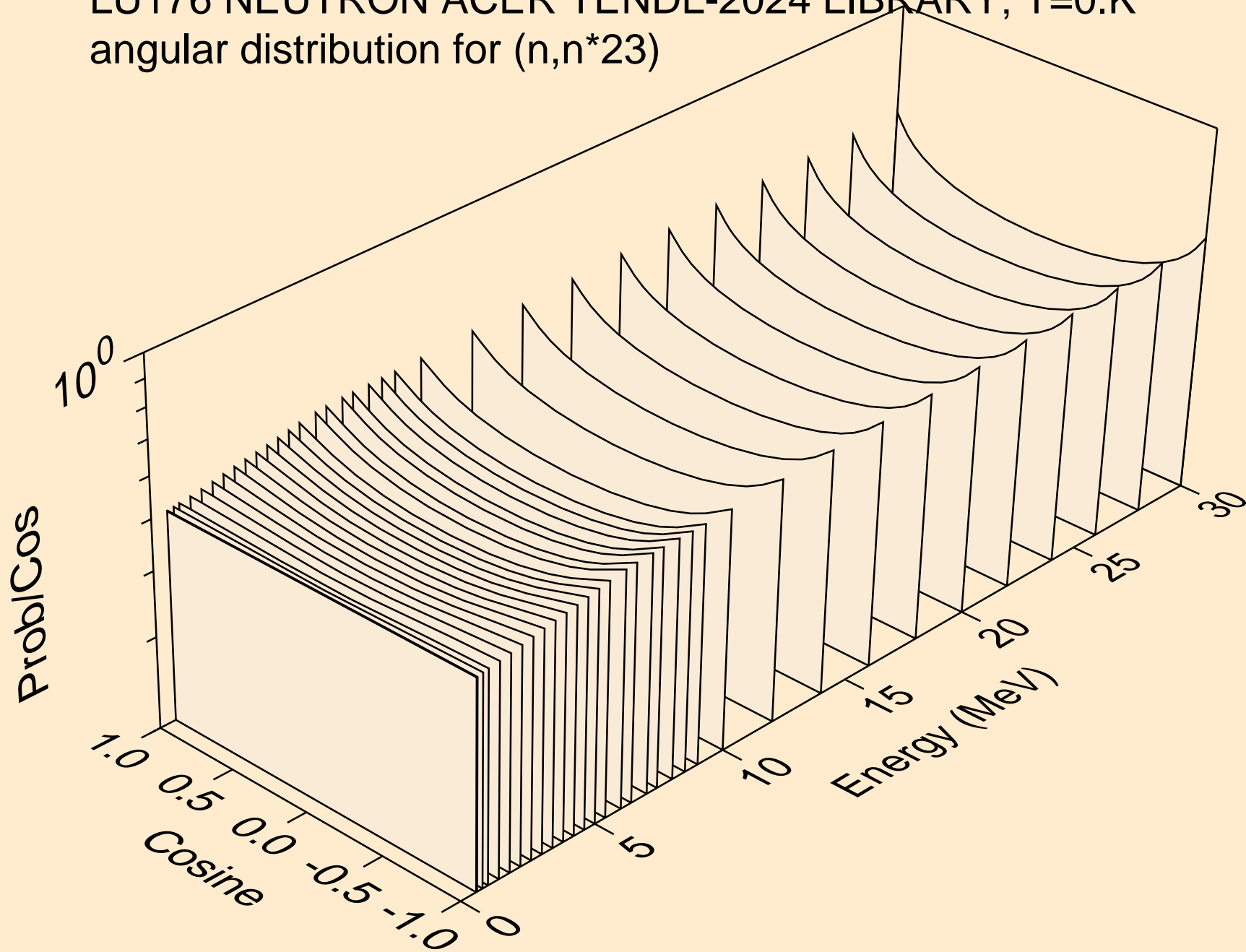


LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*22)

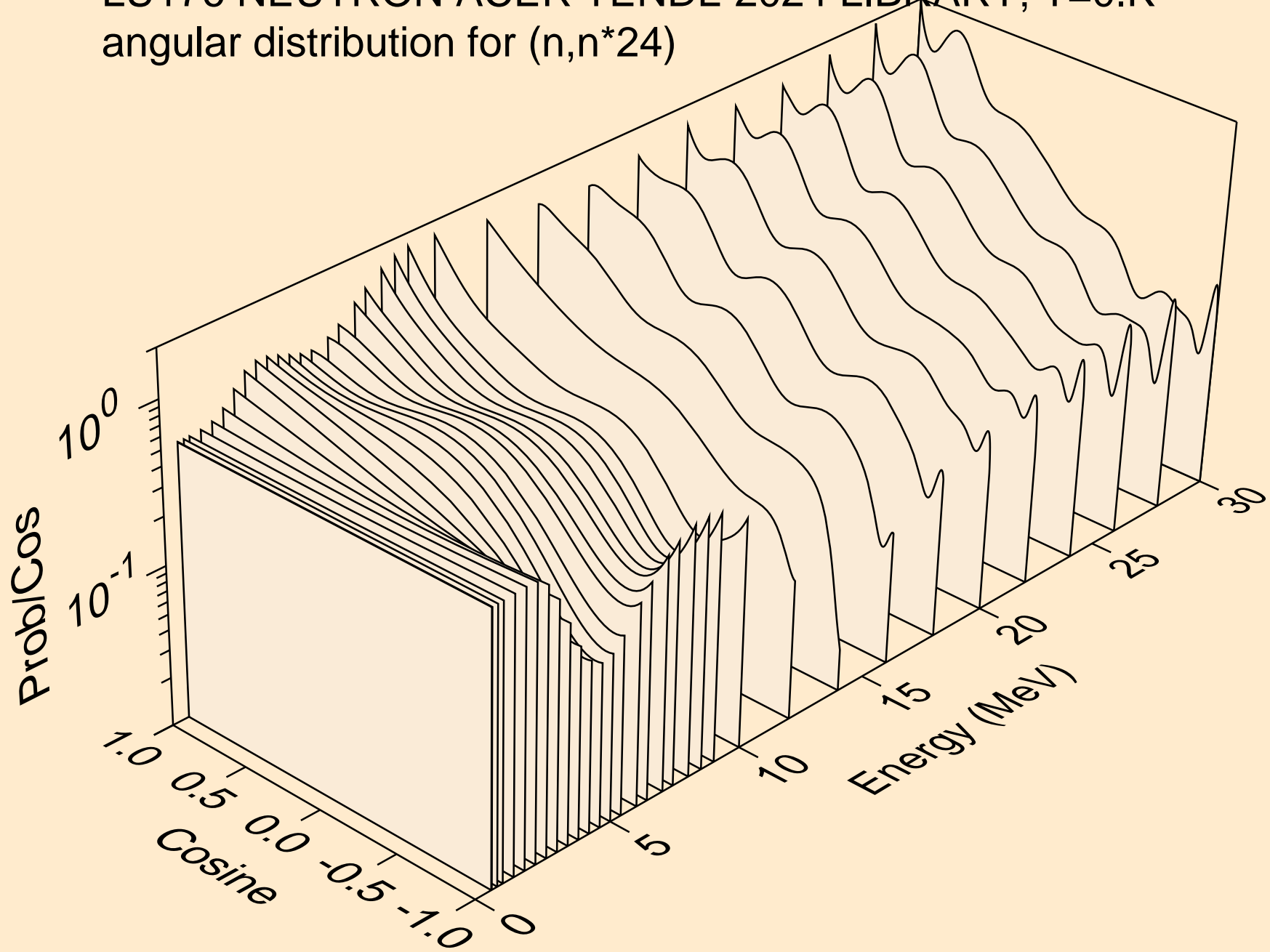




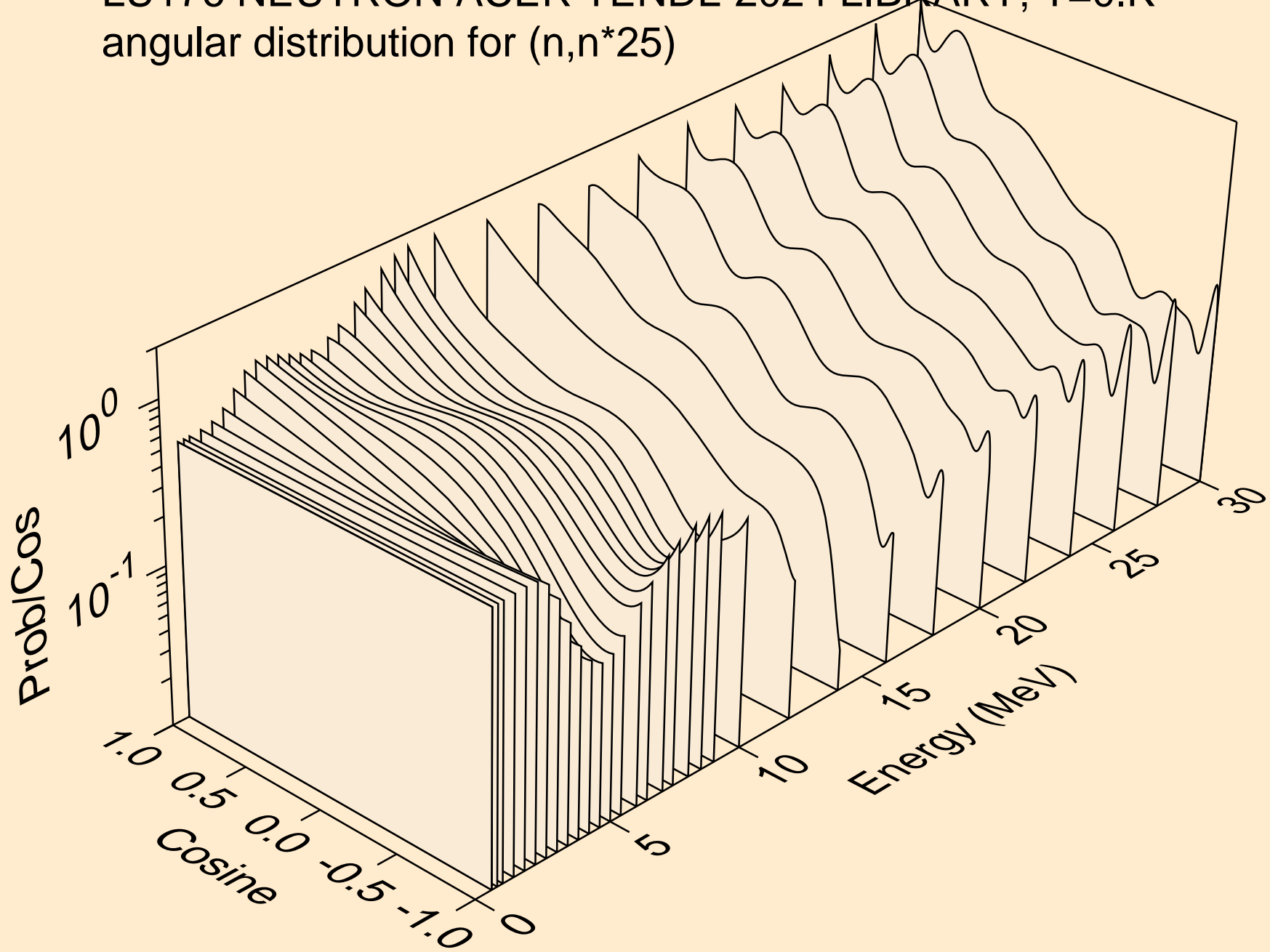
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angular distribution for (n,n\*23)



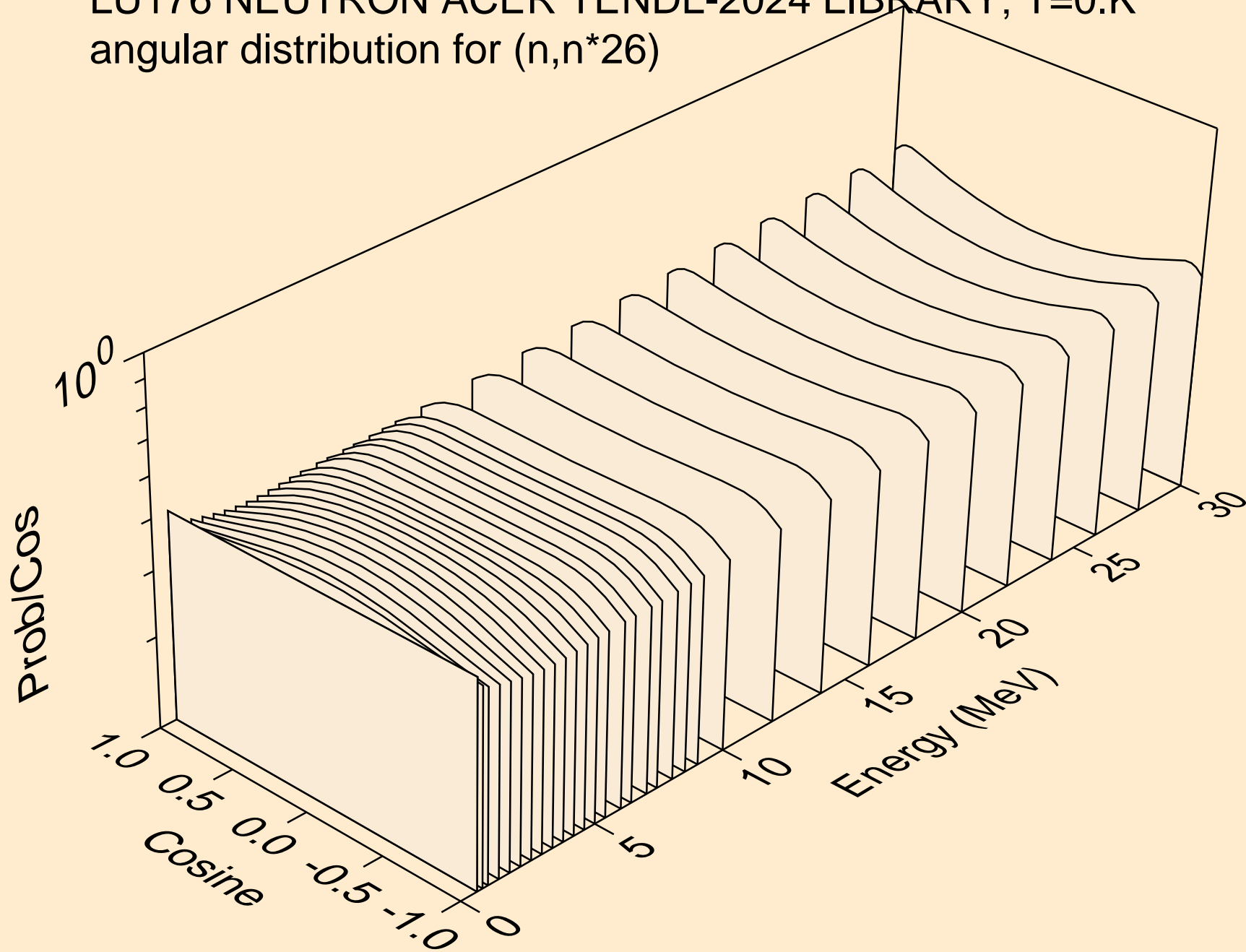
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angular distribution for (n,n\*24)



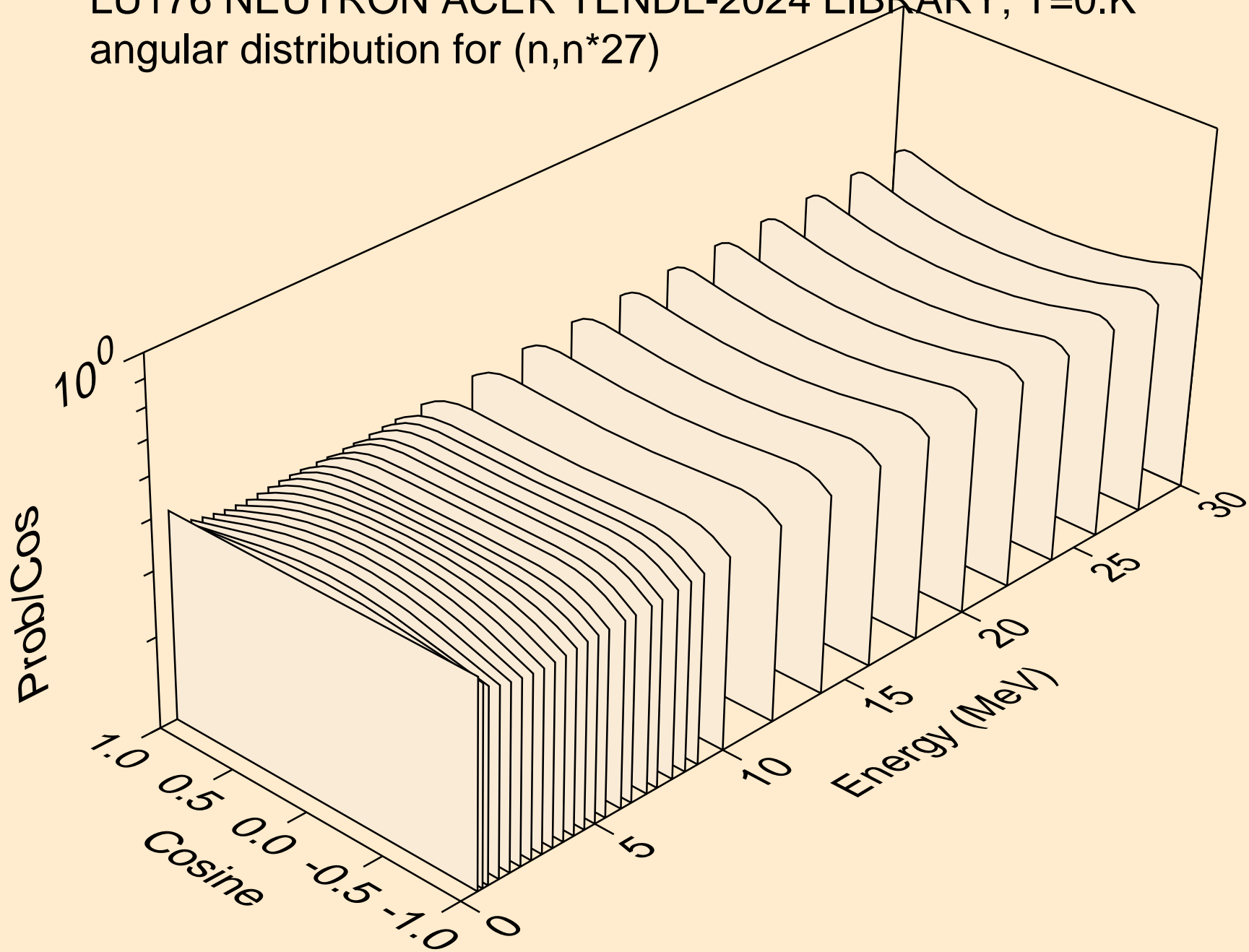
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angular distribution for (n,n\*25)



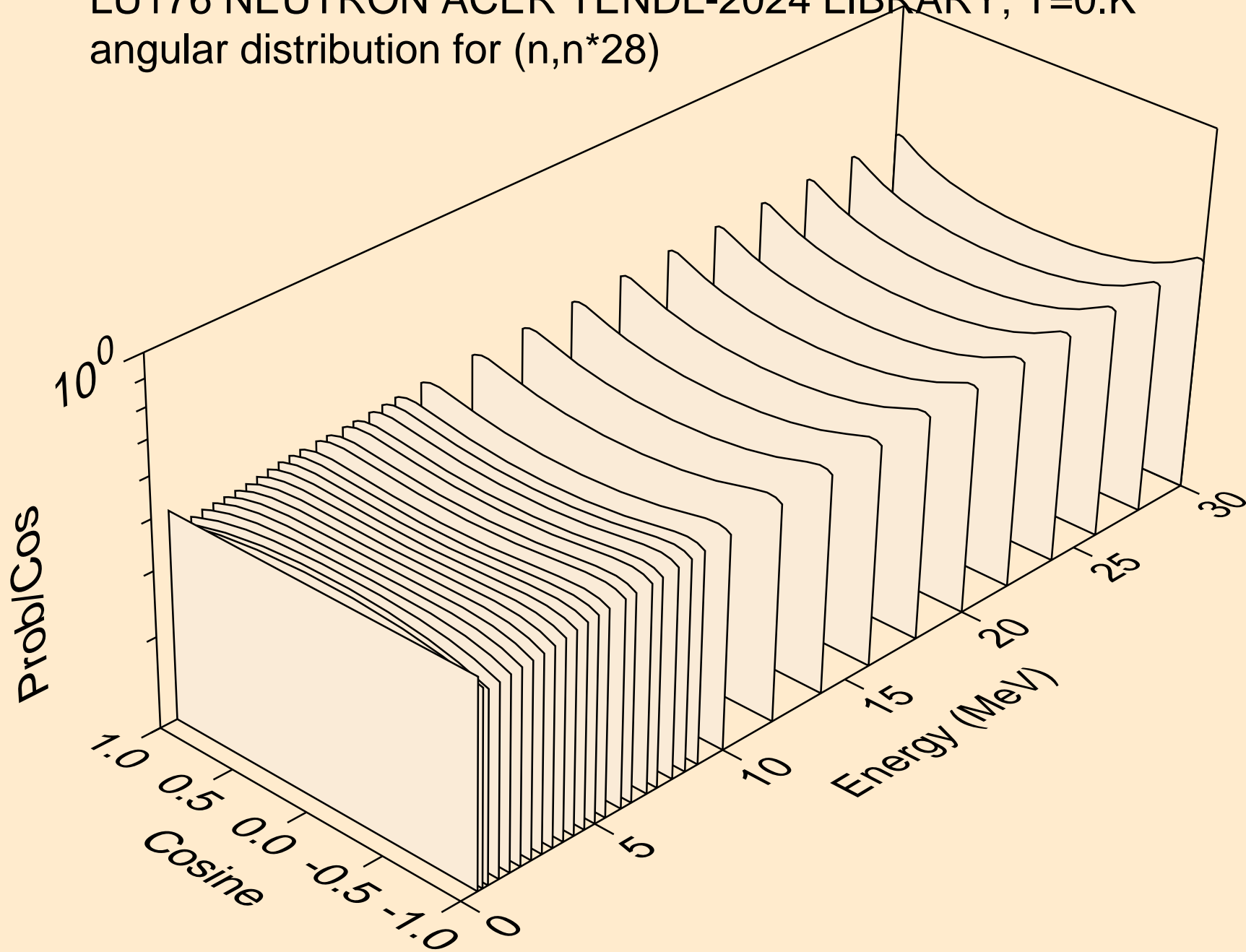
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



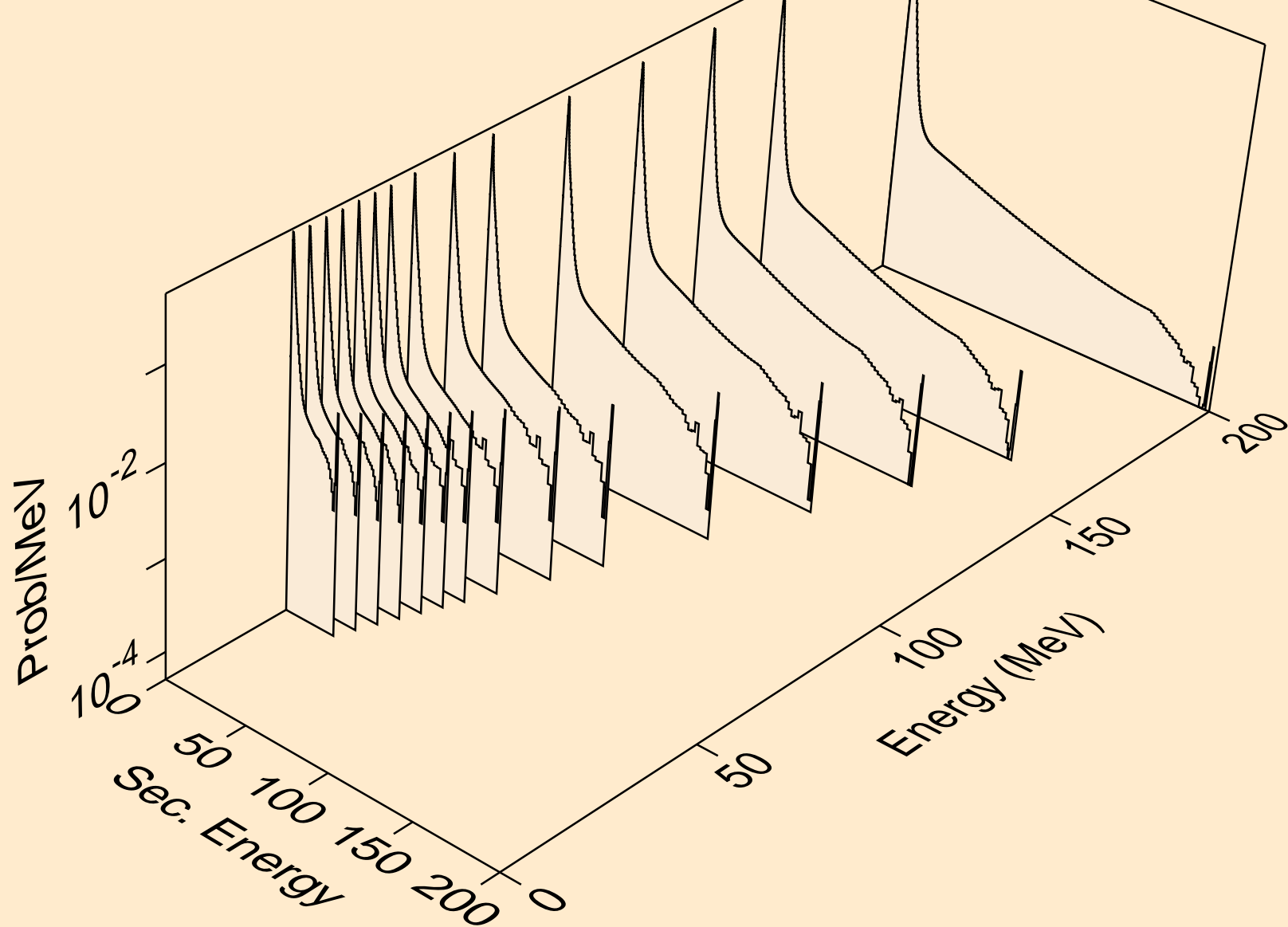
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



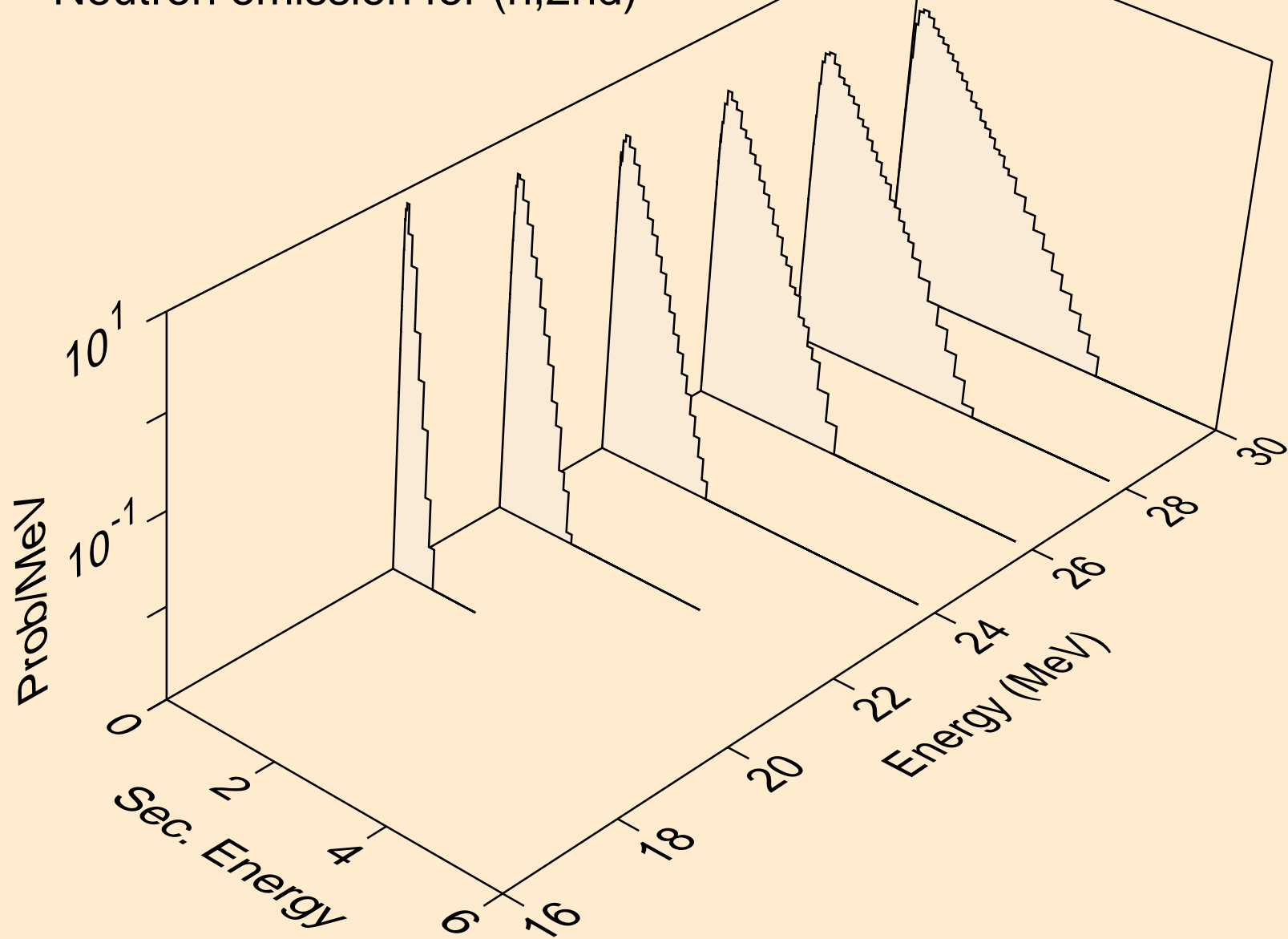
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*28)



LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)

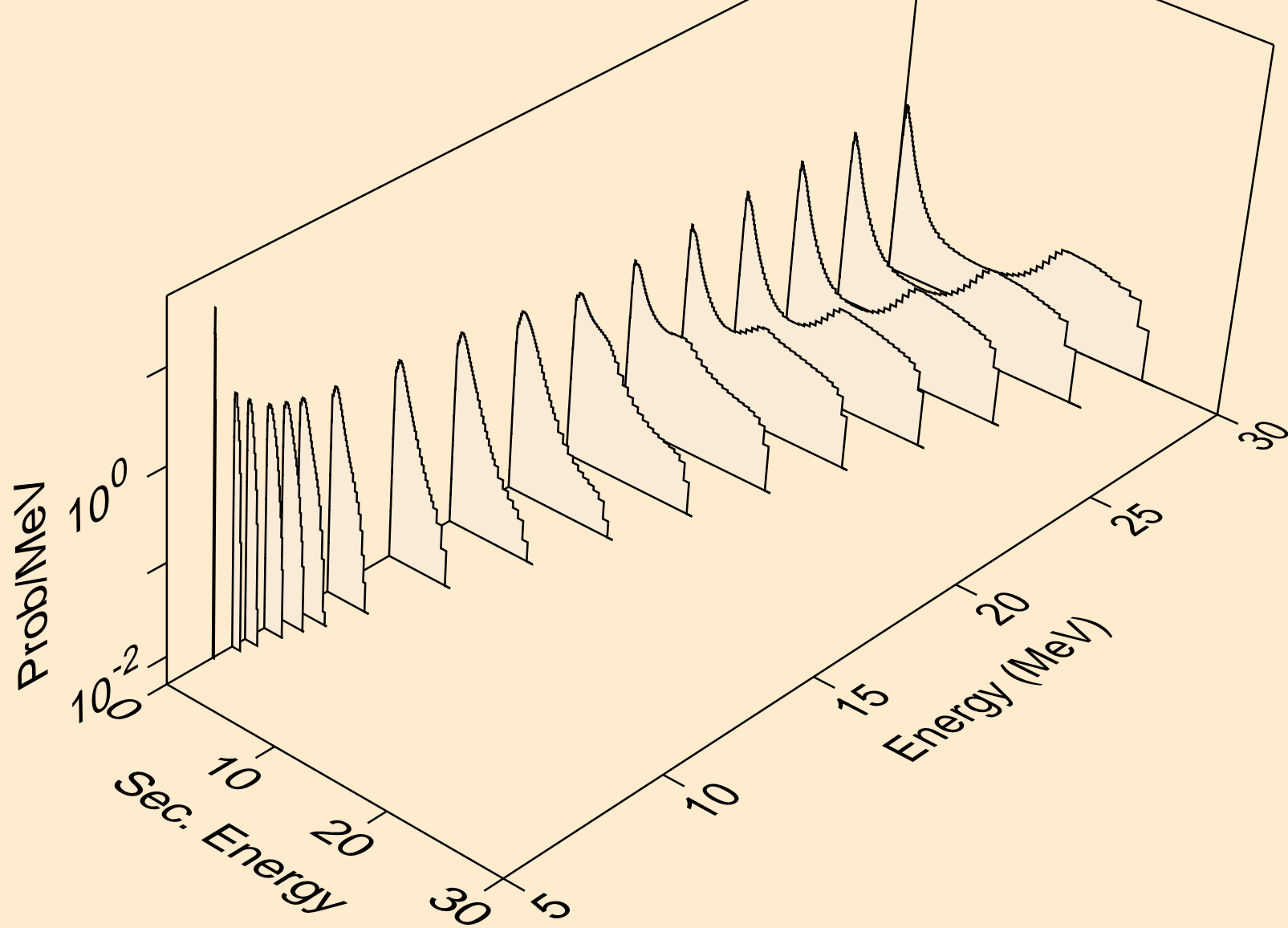


LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)

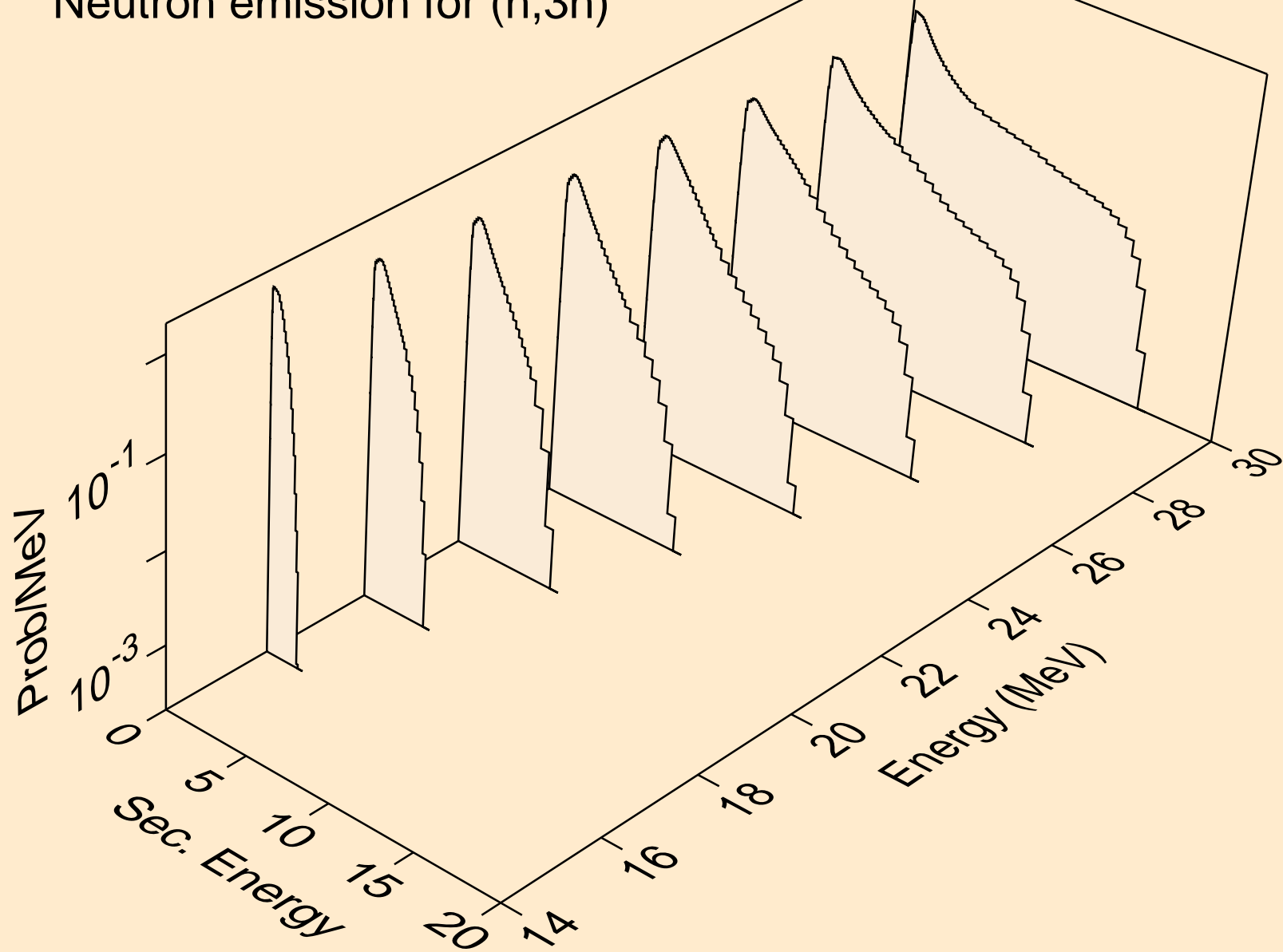




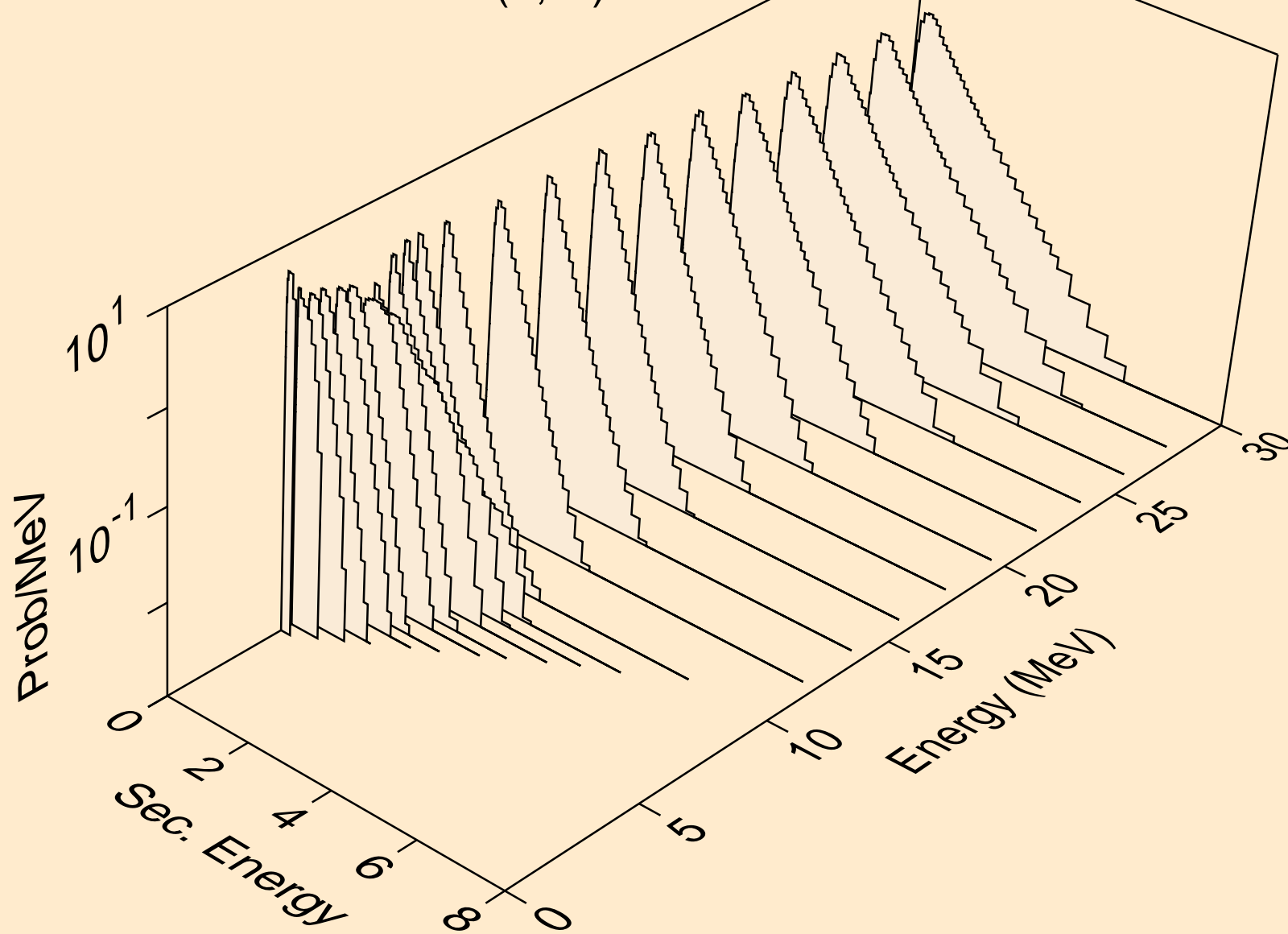
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



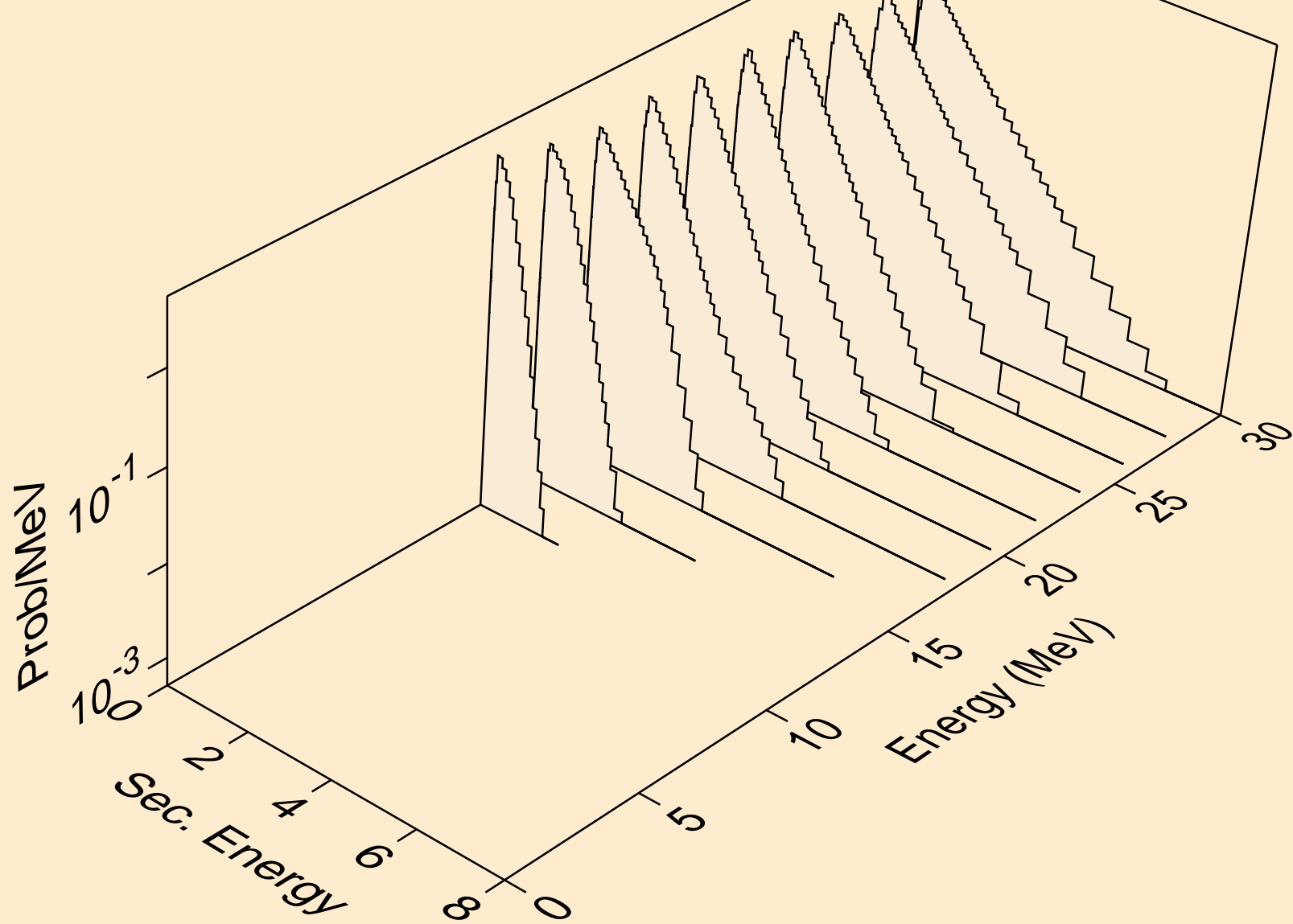
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



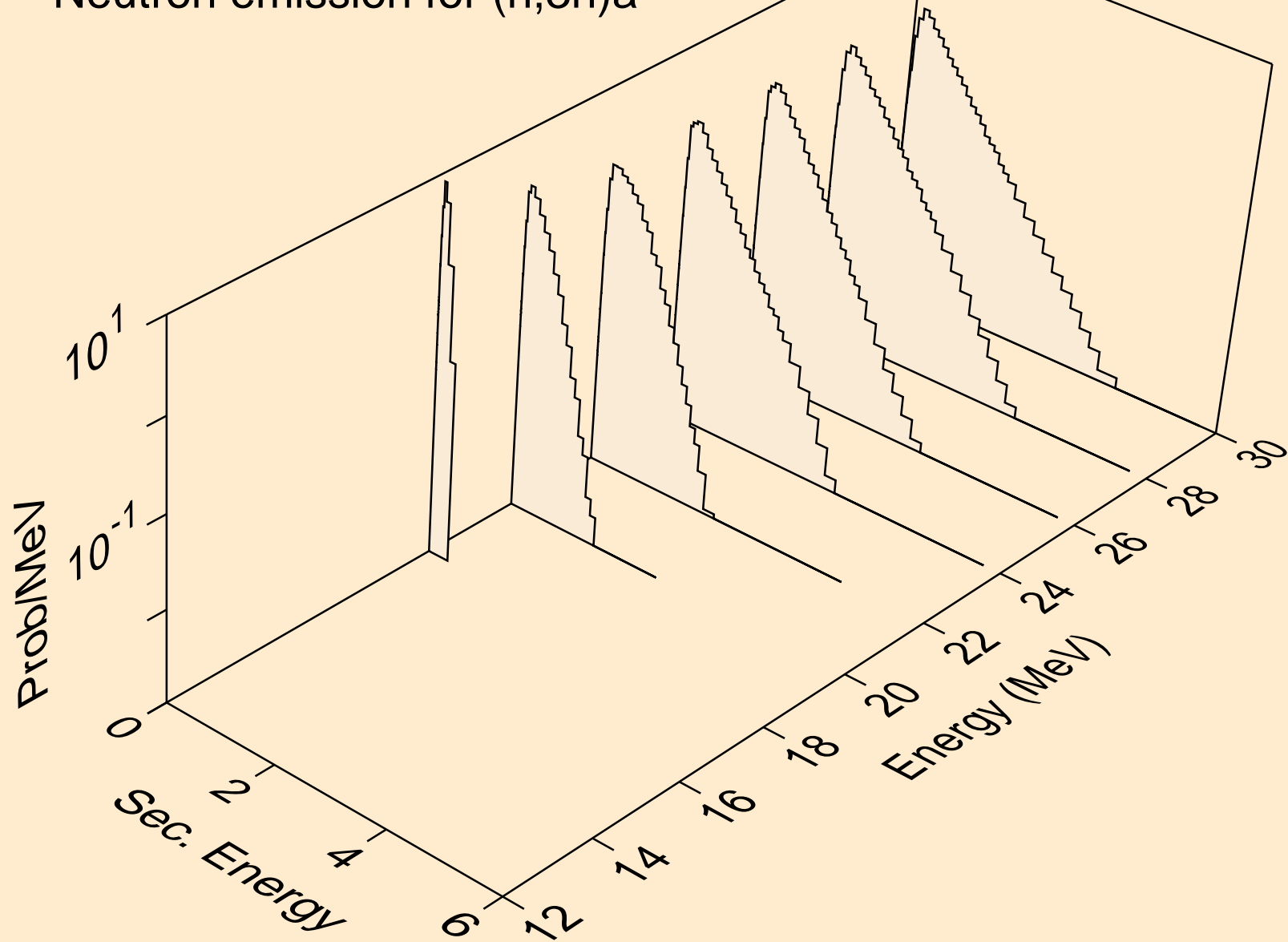
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



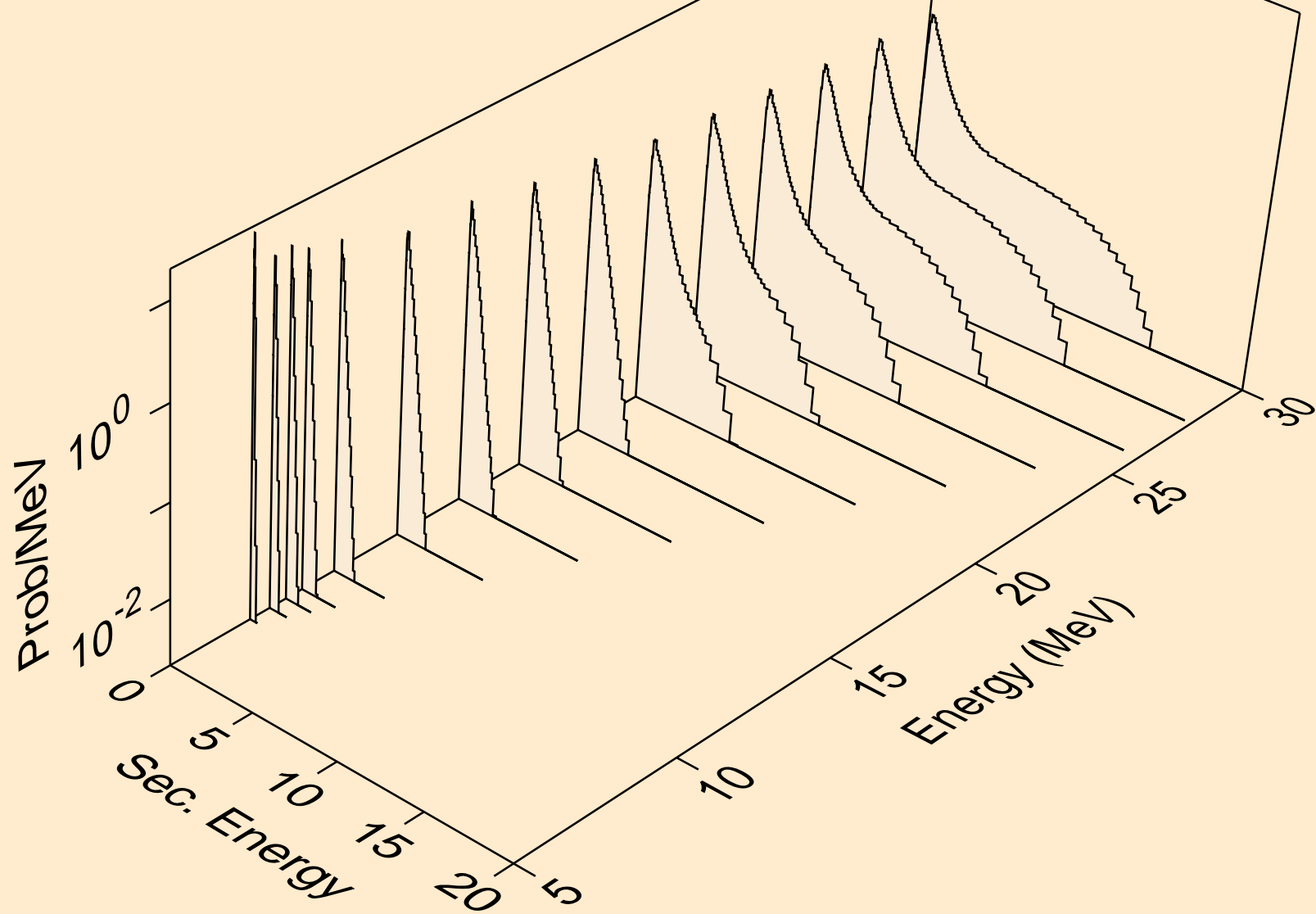
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



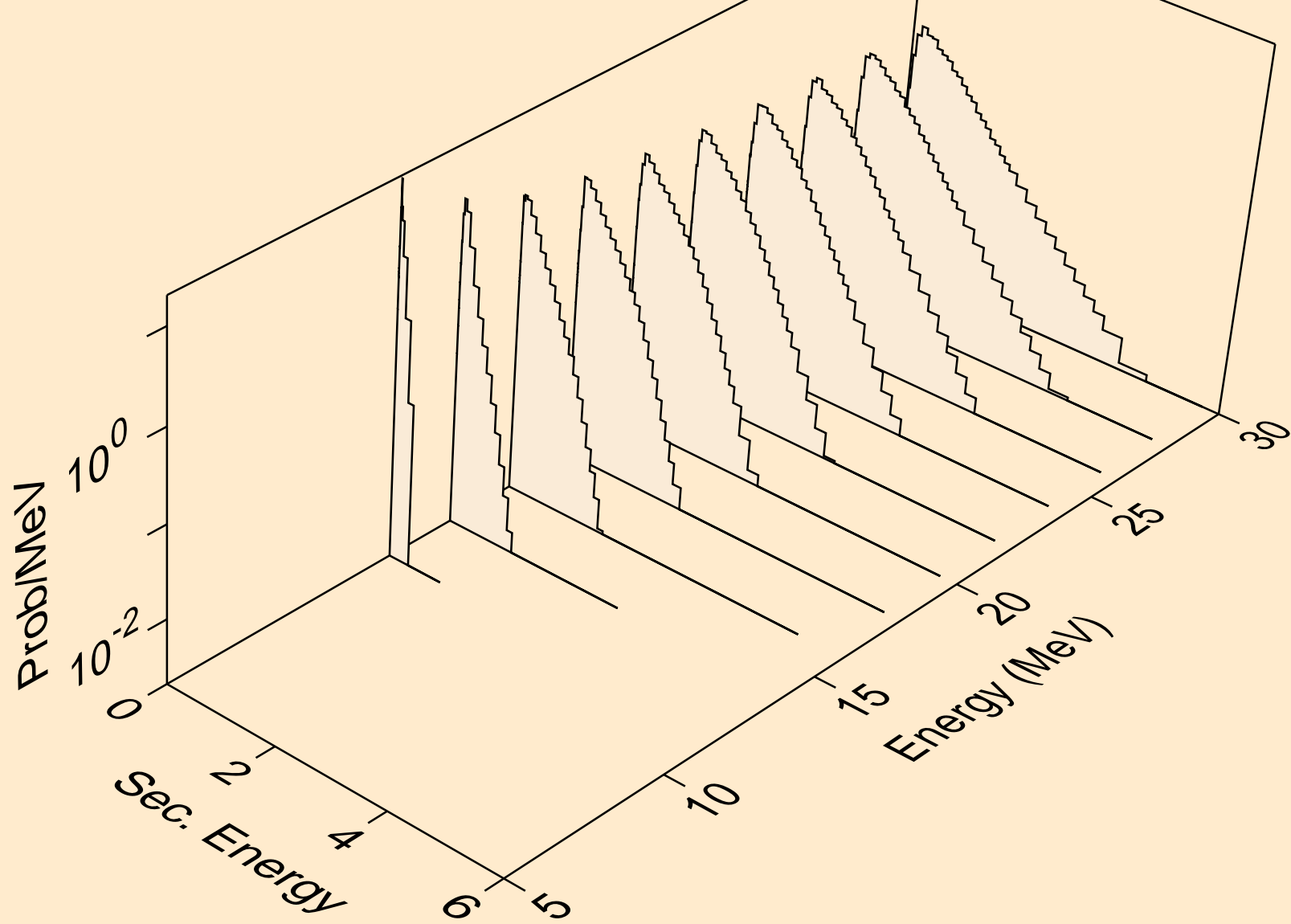
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



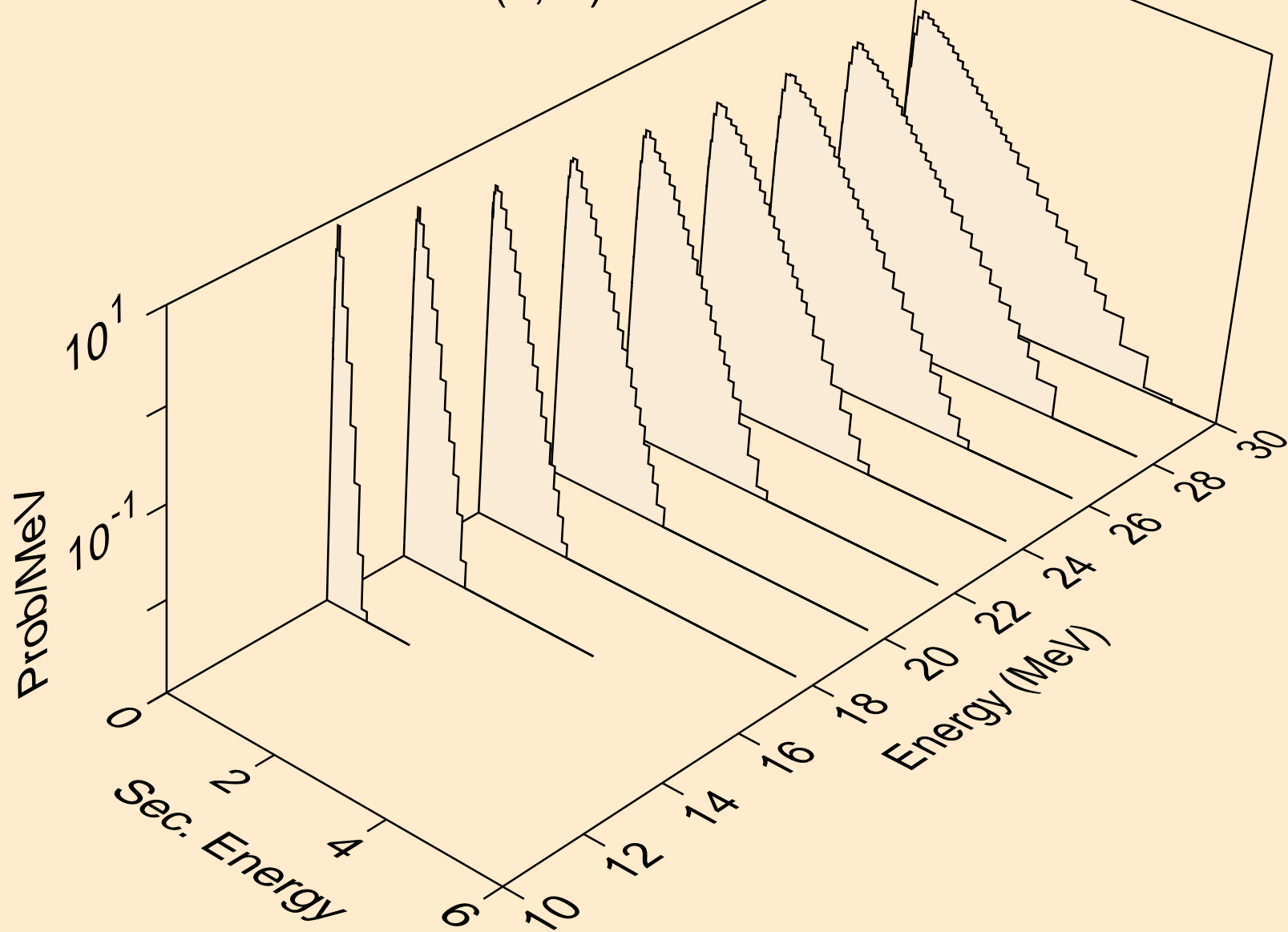
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

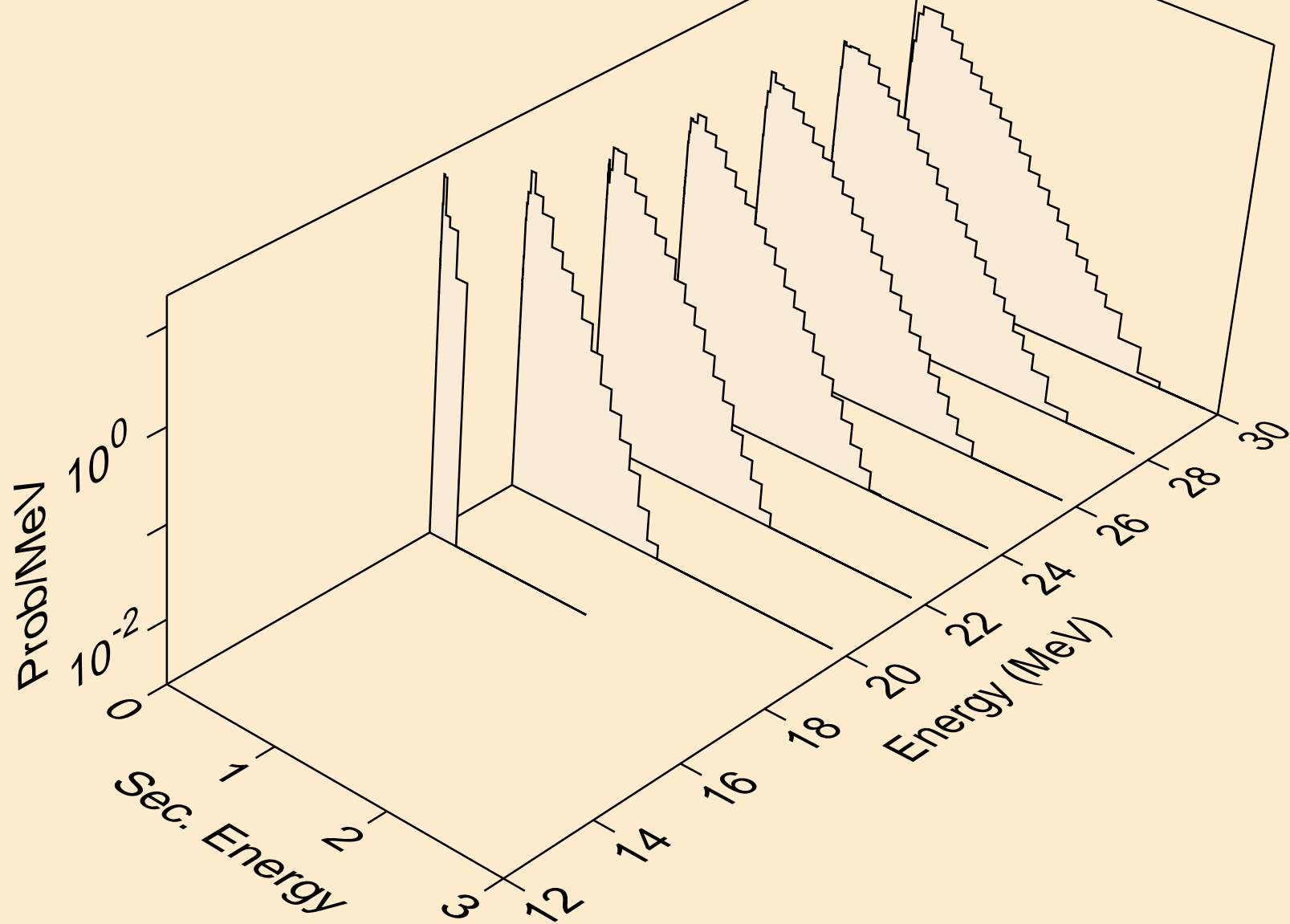


LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t

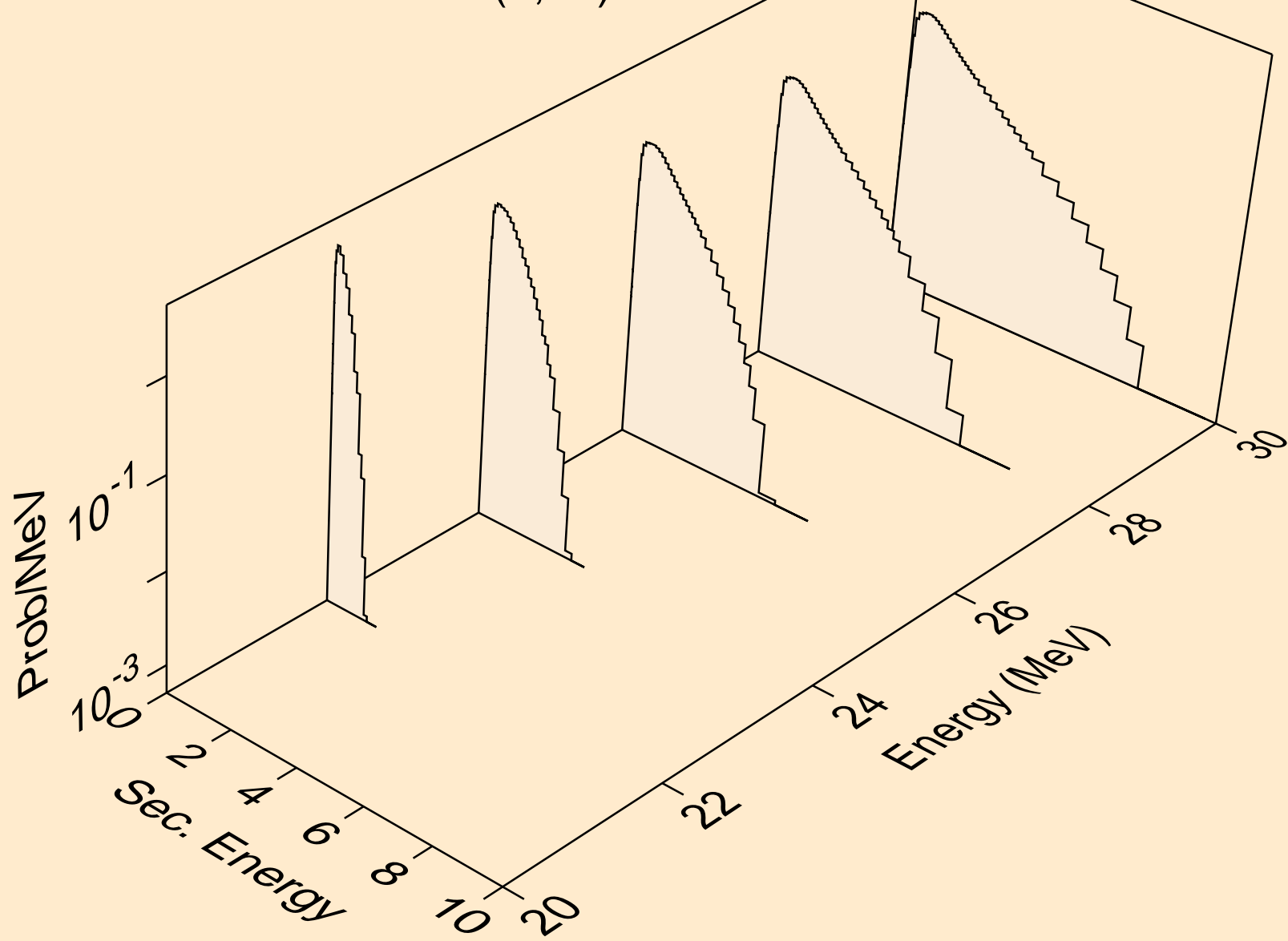




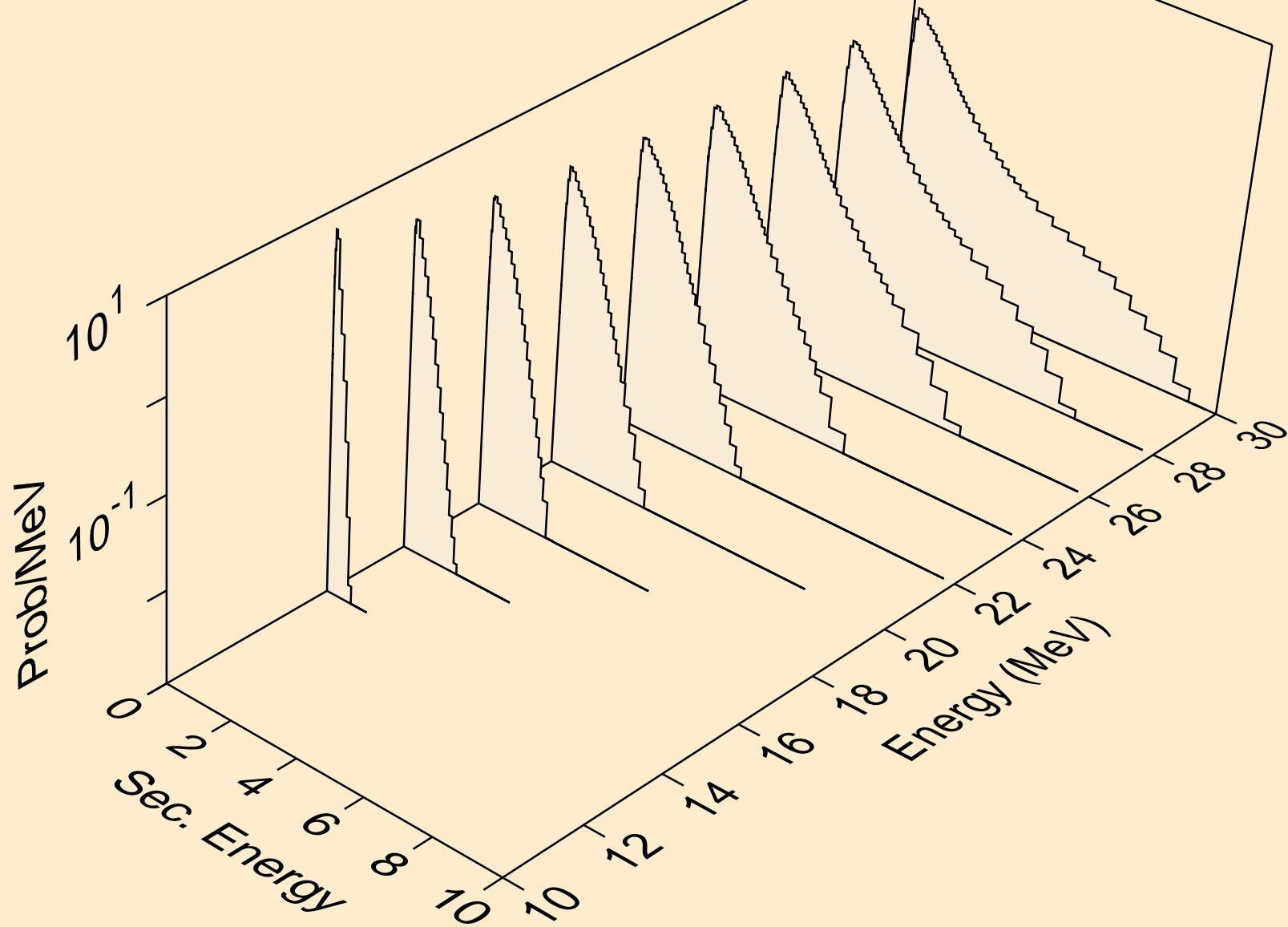
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



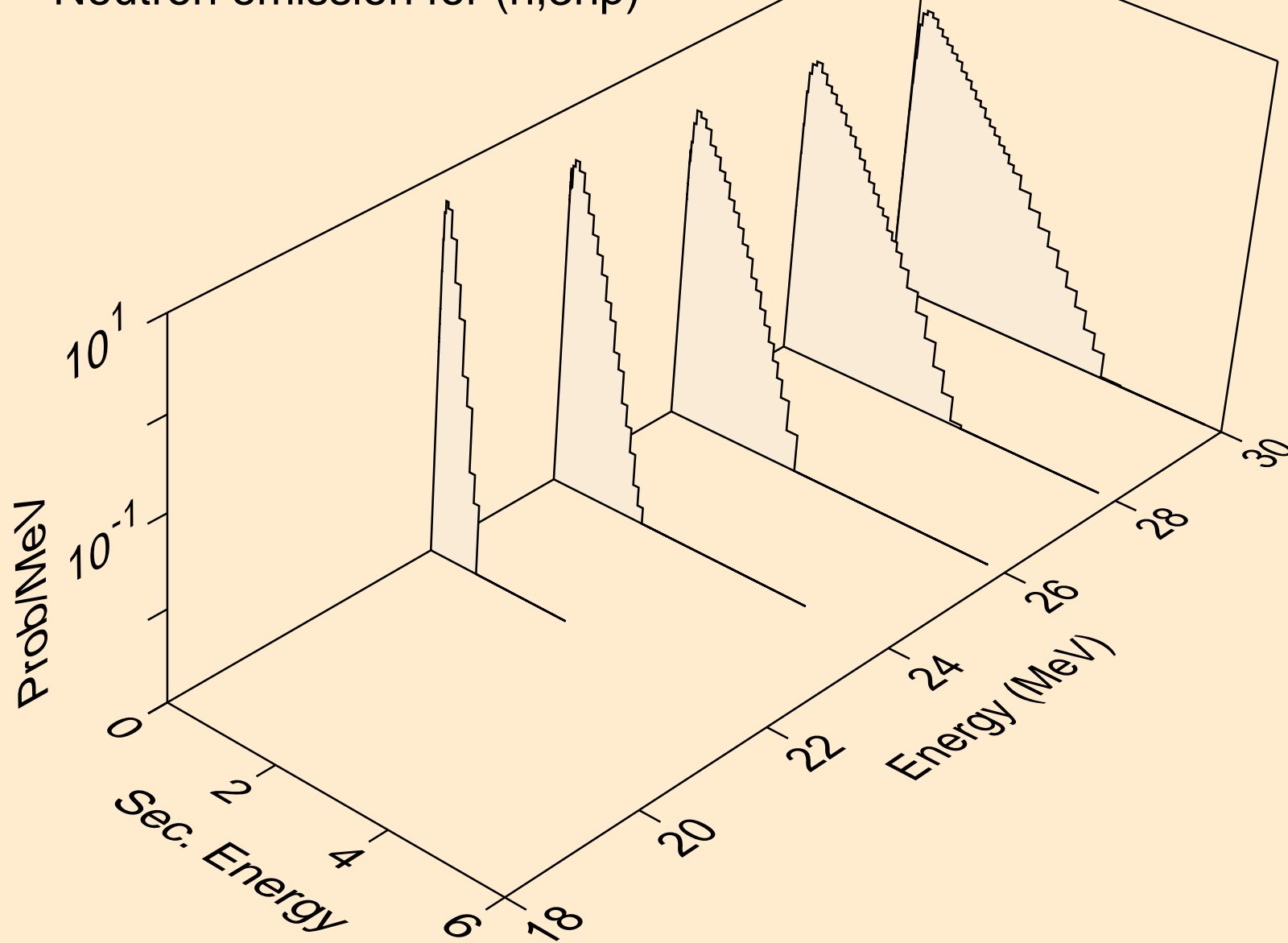
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)



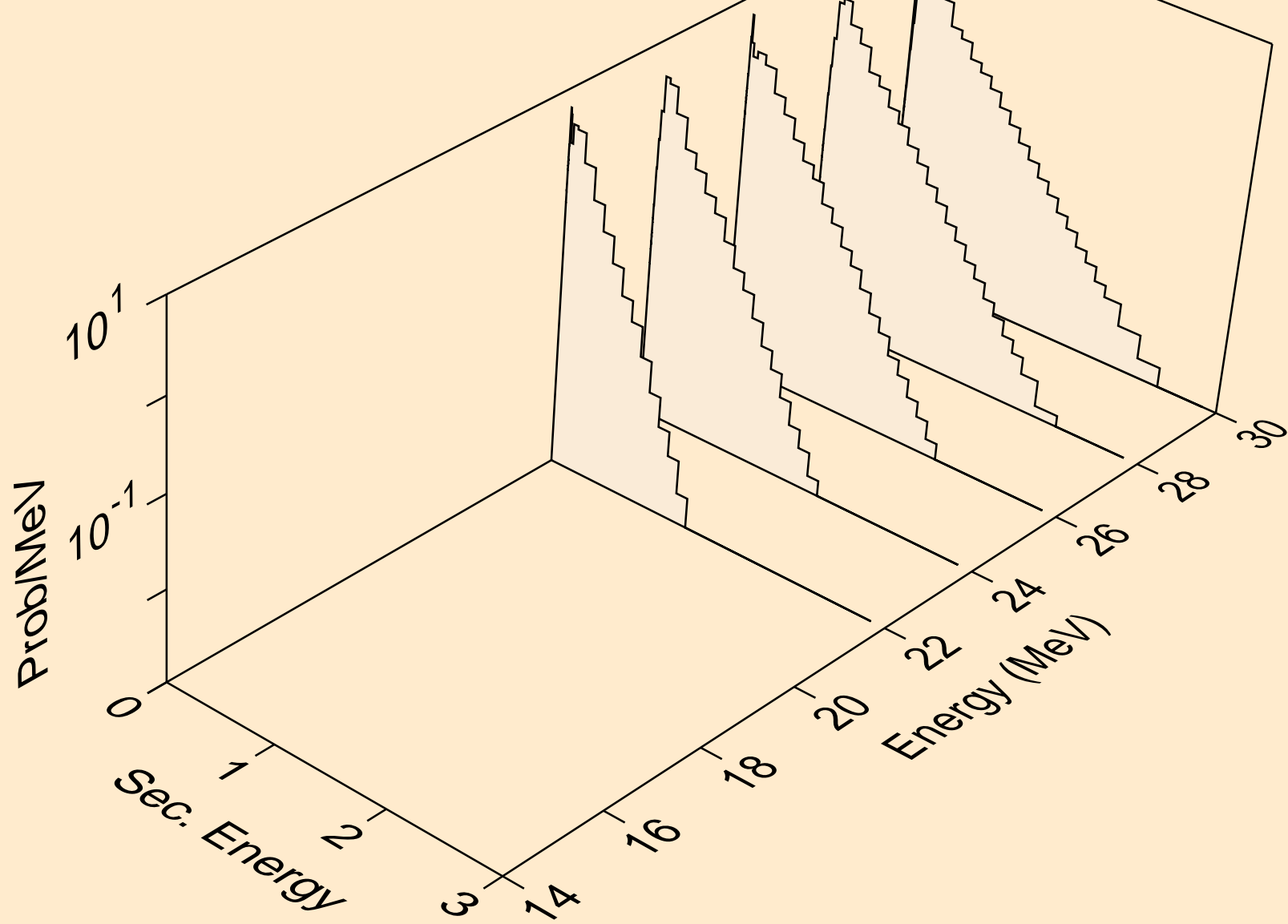
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Neutron emission for (n,2np)



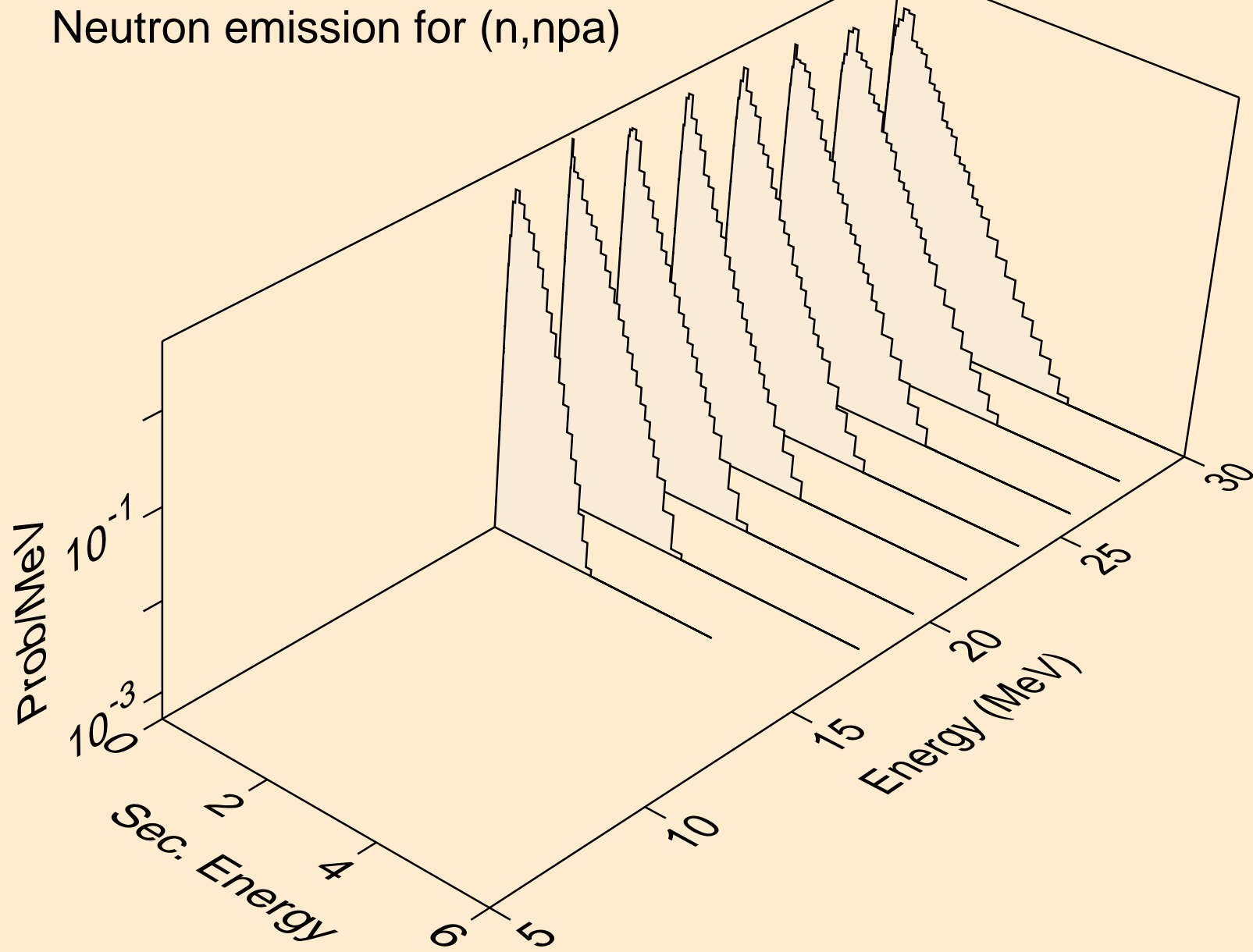
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Neutron emission for (n,3np)



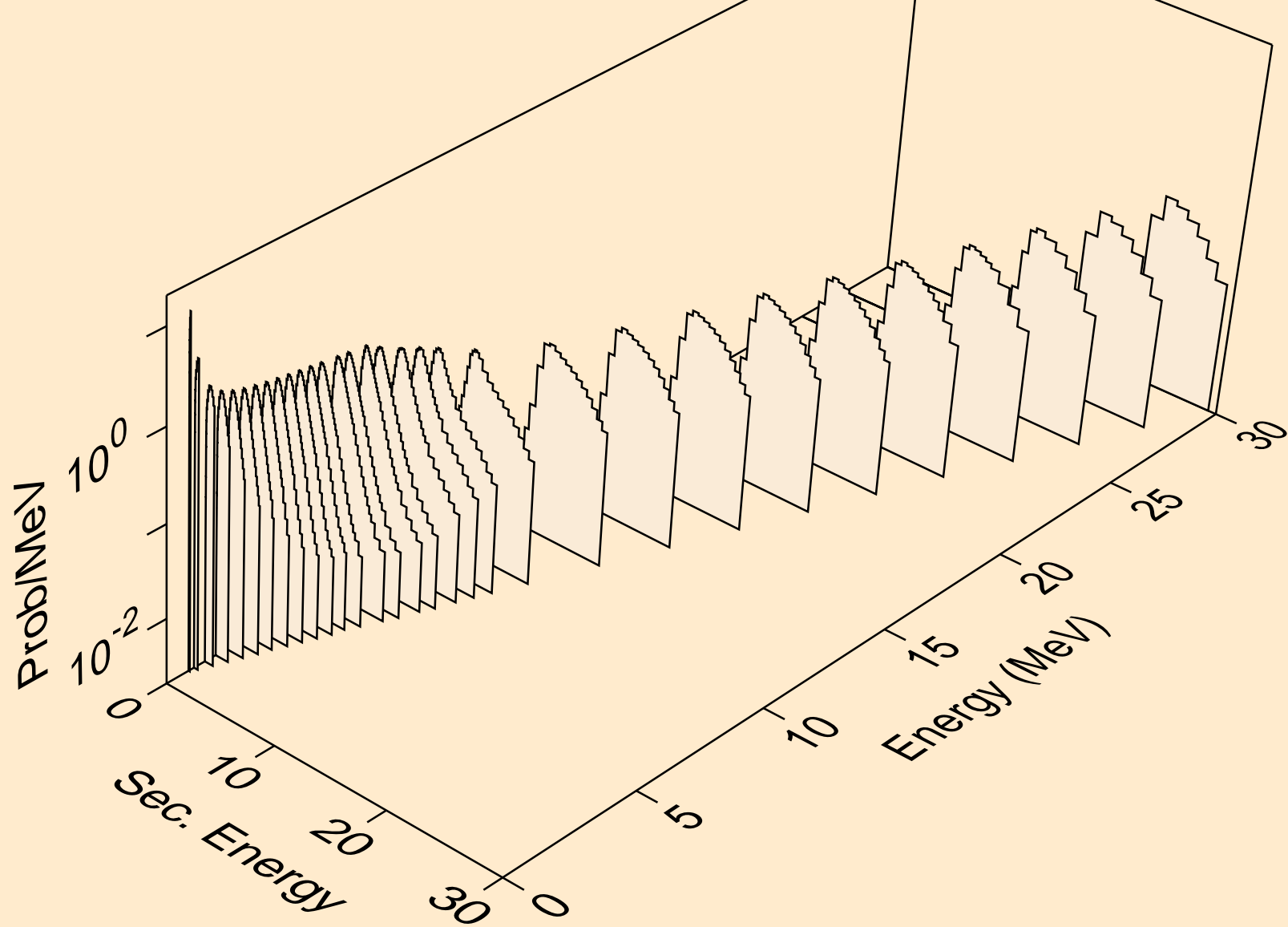
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Neutron emission for (n,n2p)



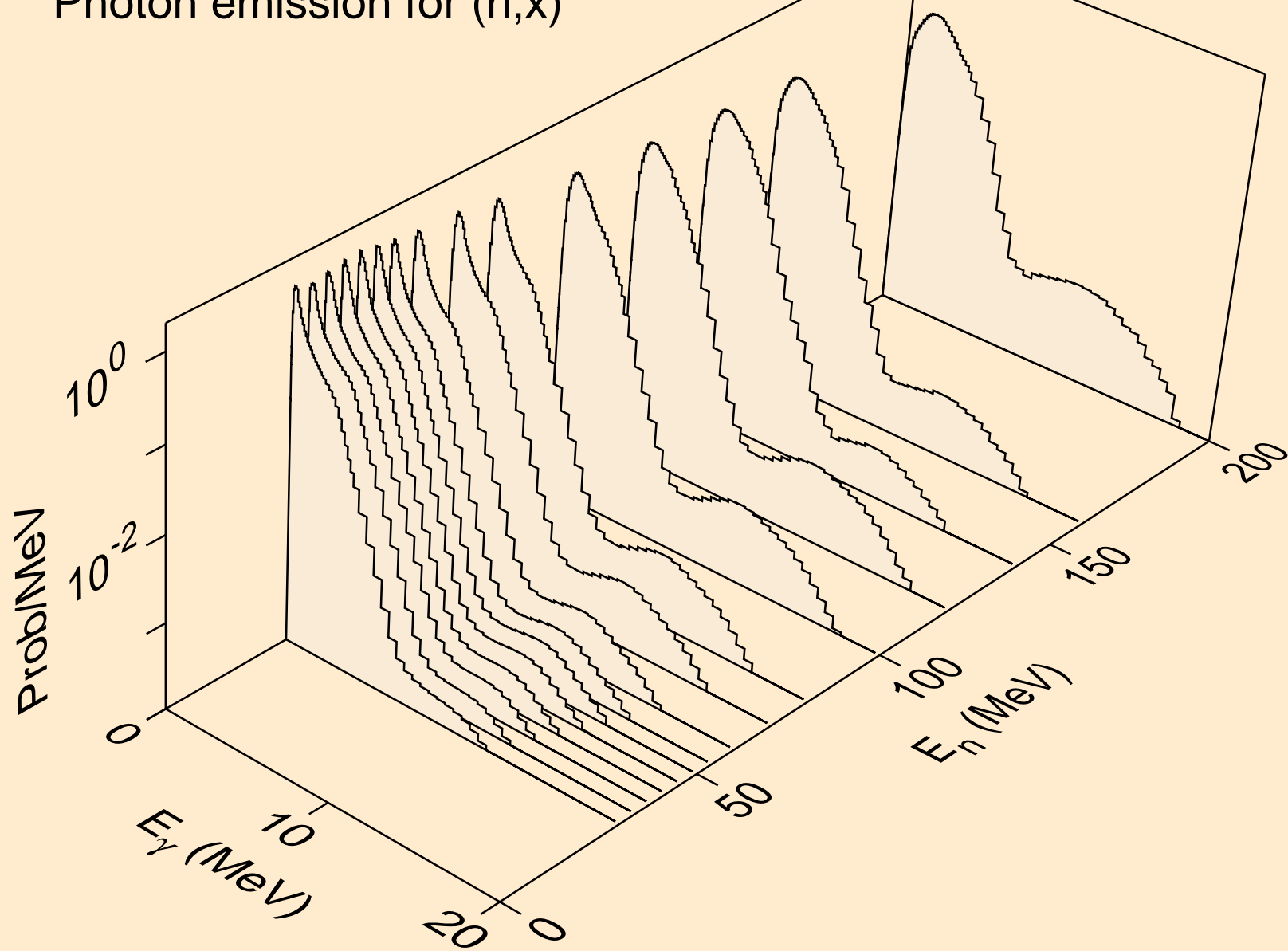
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)



LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)

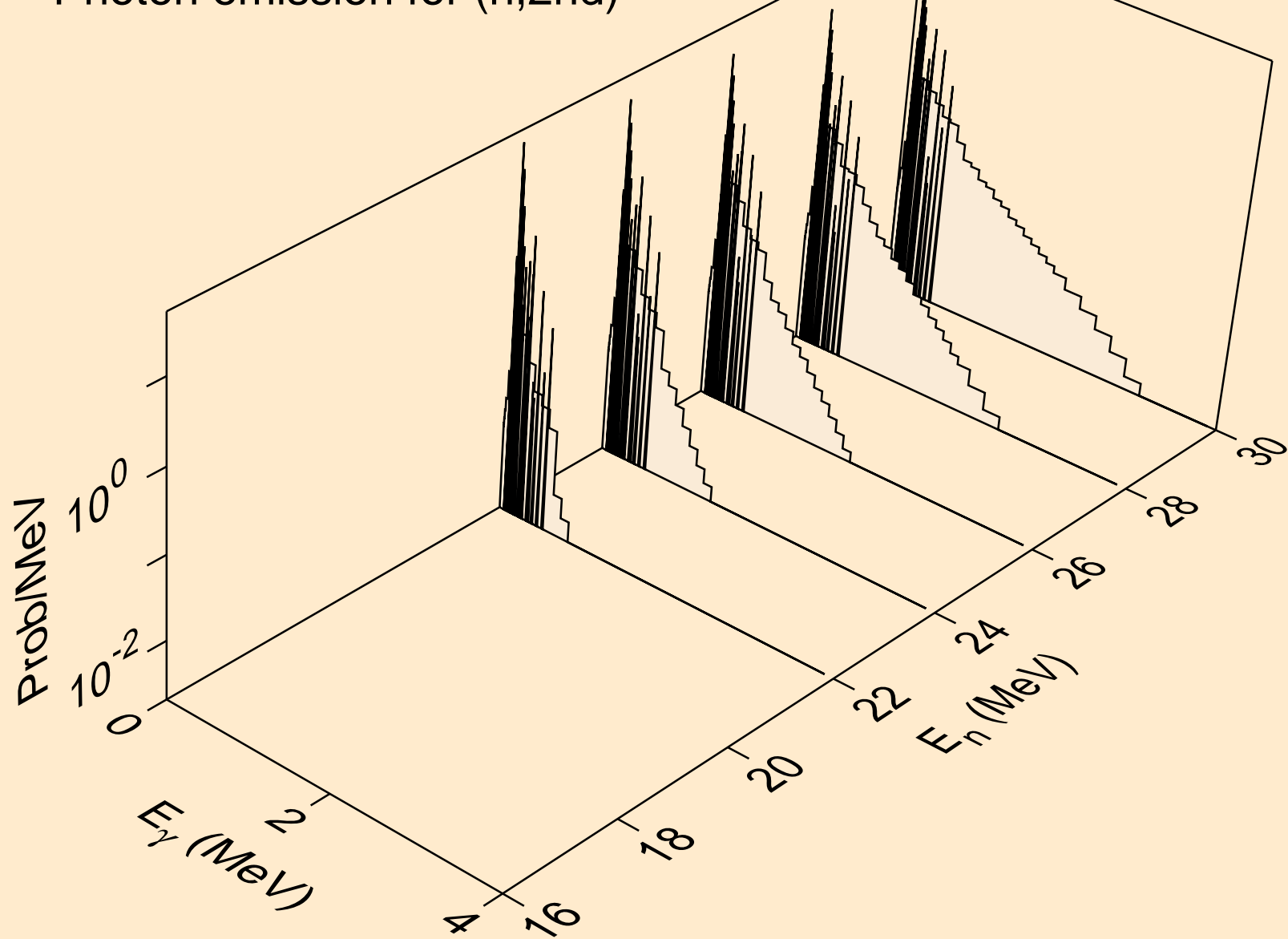


LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)

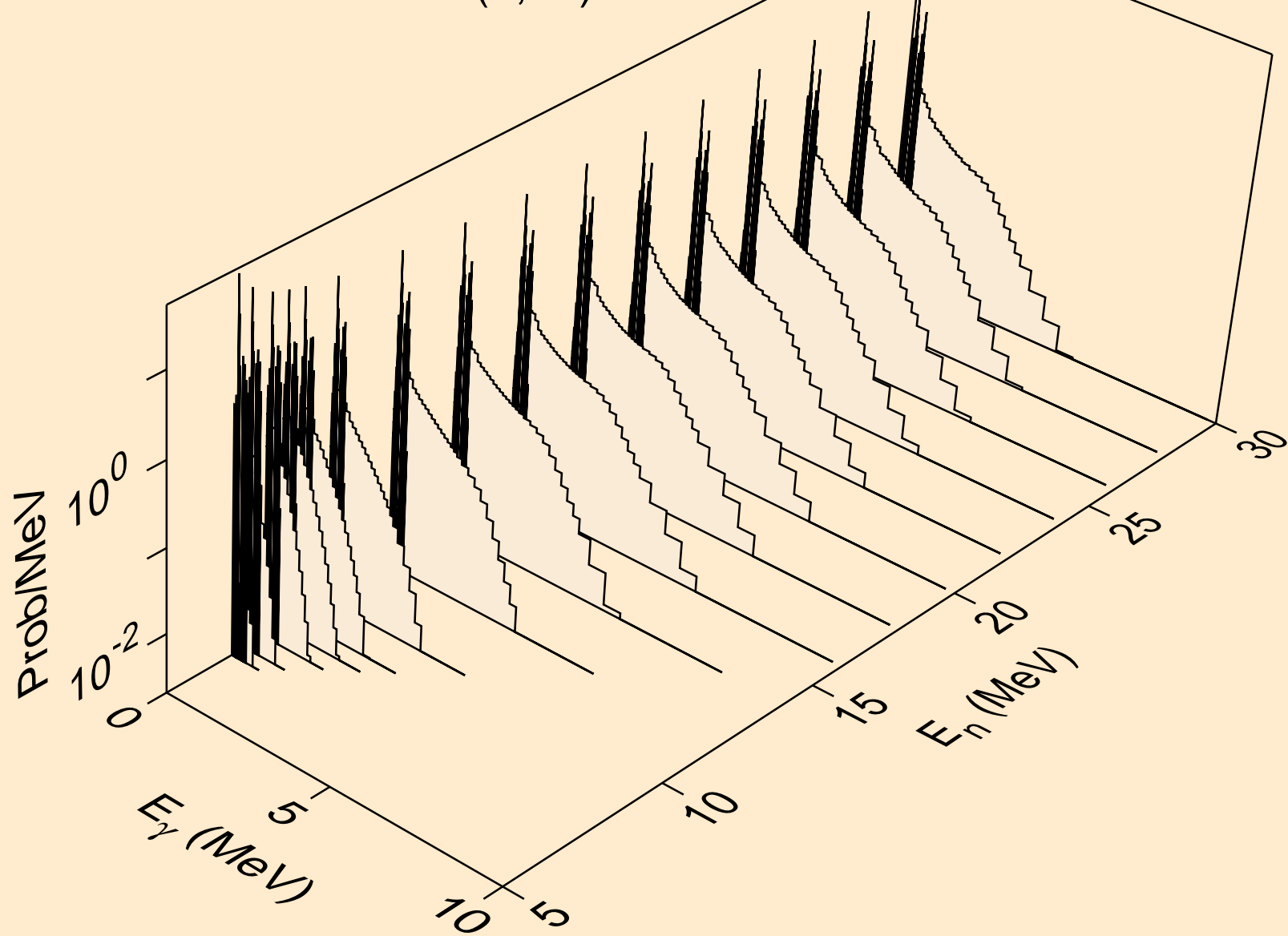




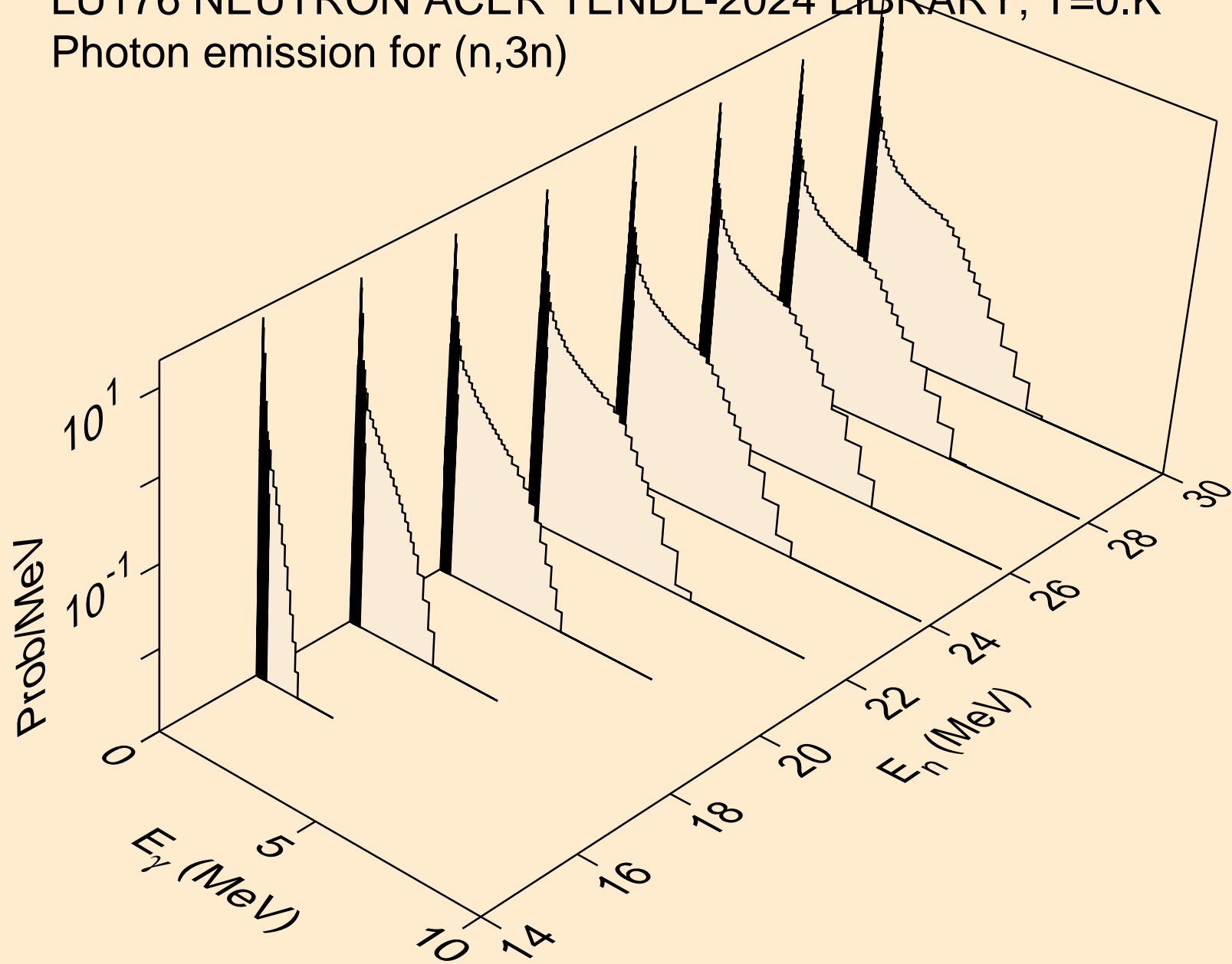
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



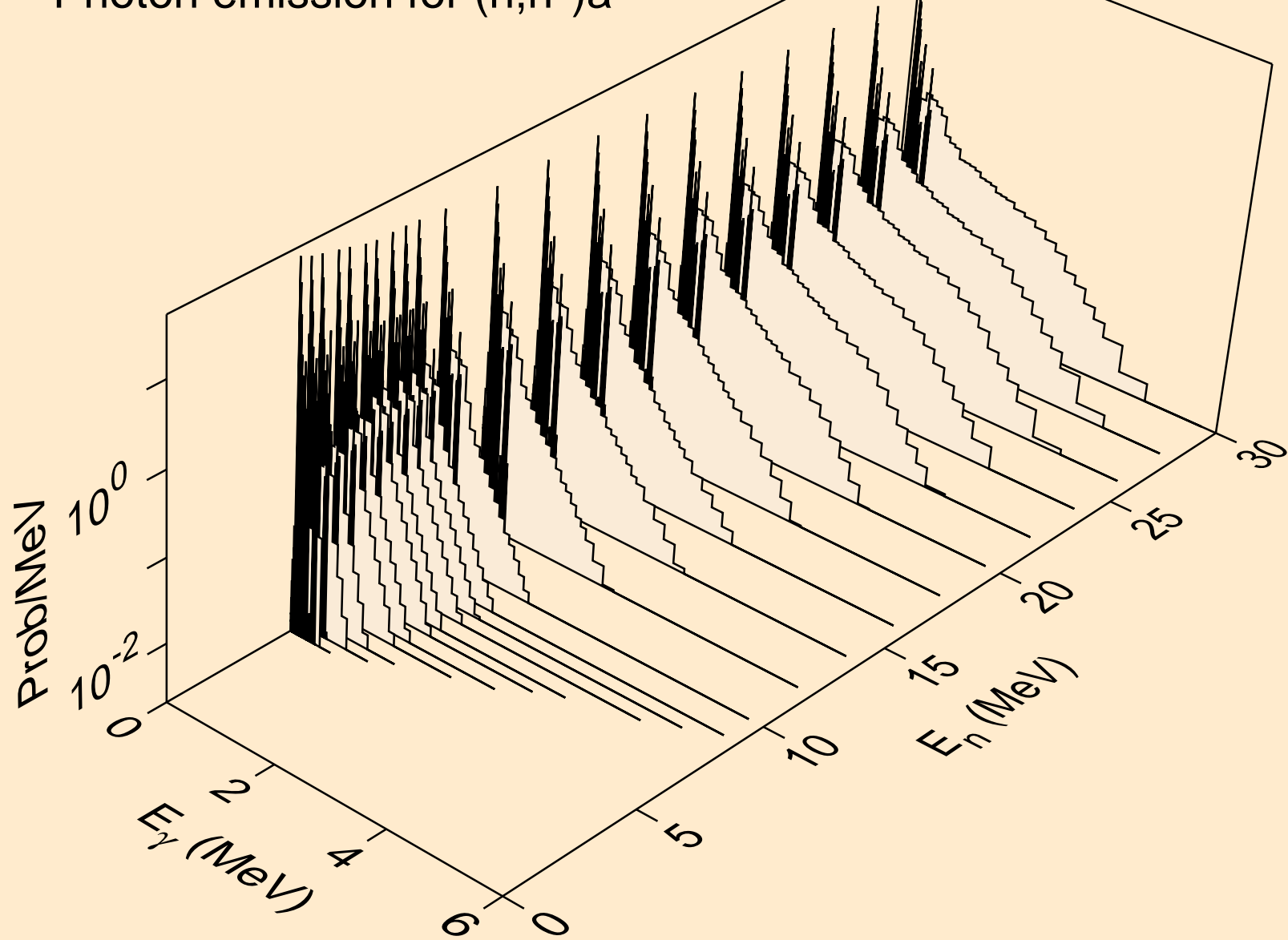
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Photon emission for (n,2n)



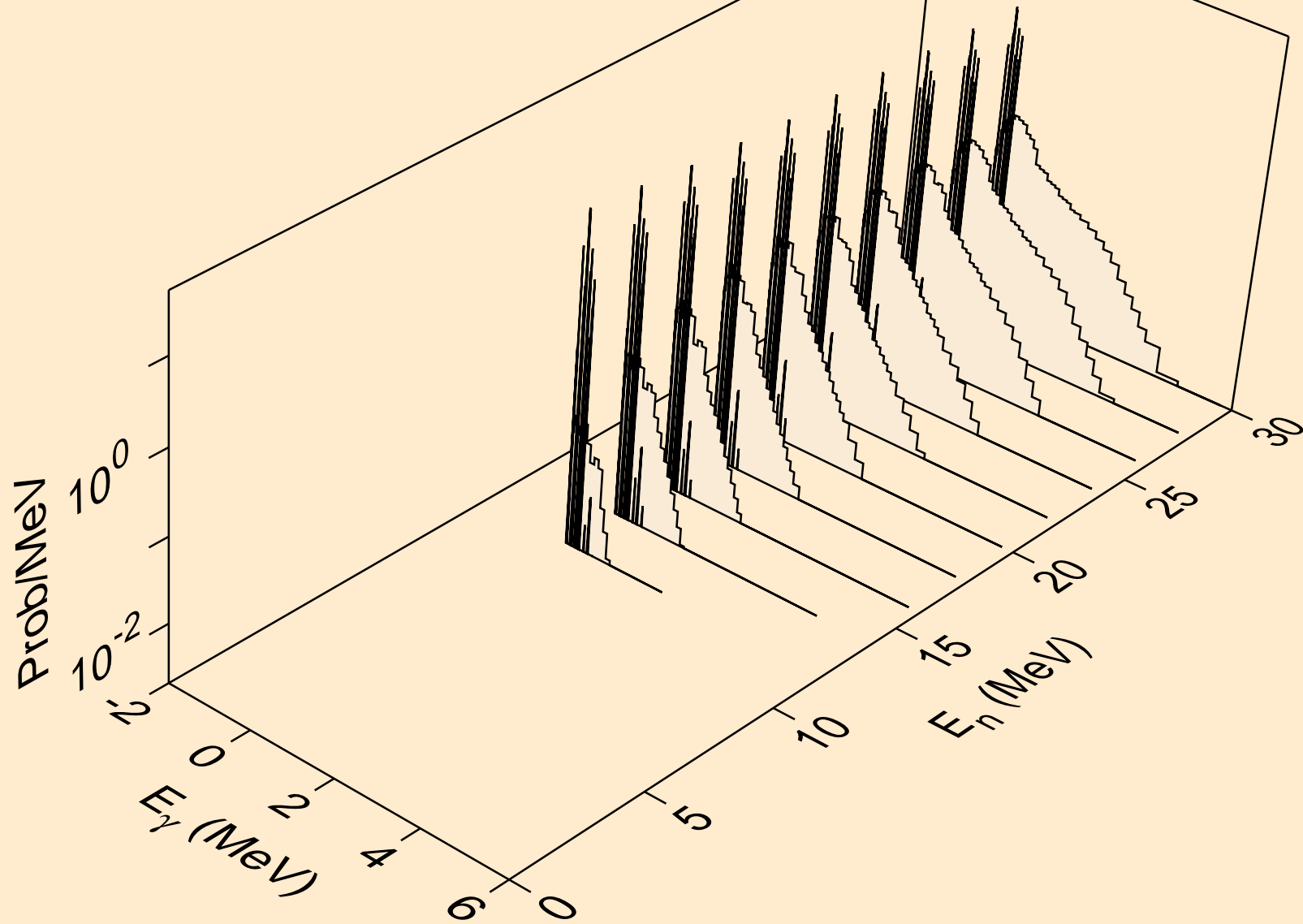
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Photon emission for (n,3n)



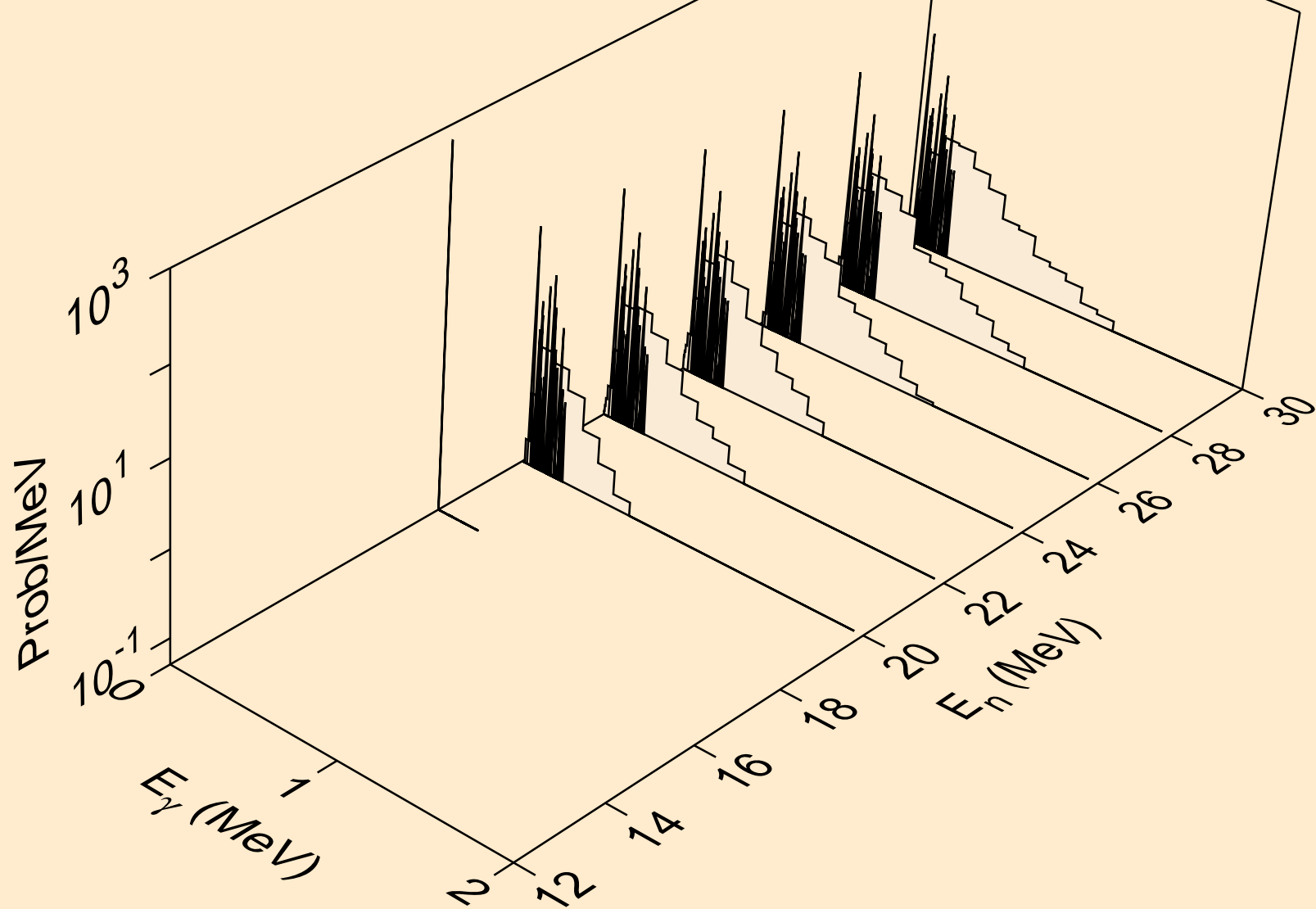
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Photon emission for (n,n\*)a



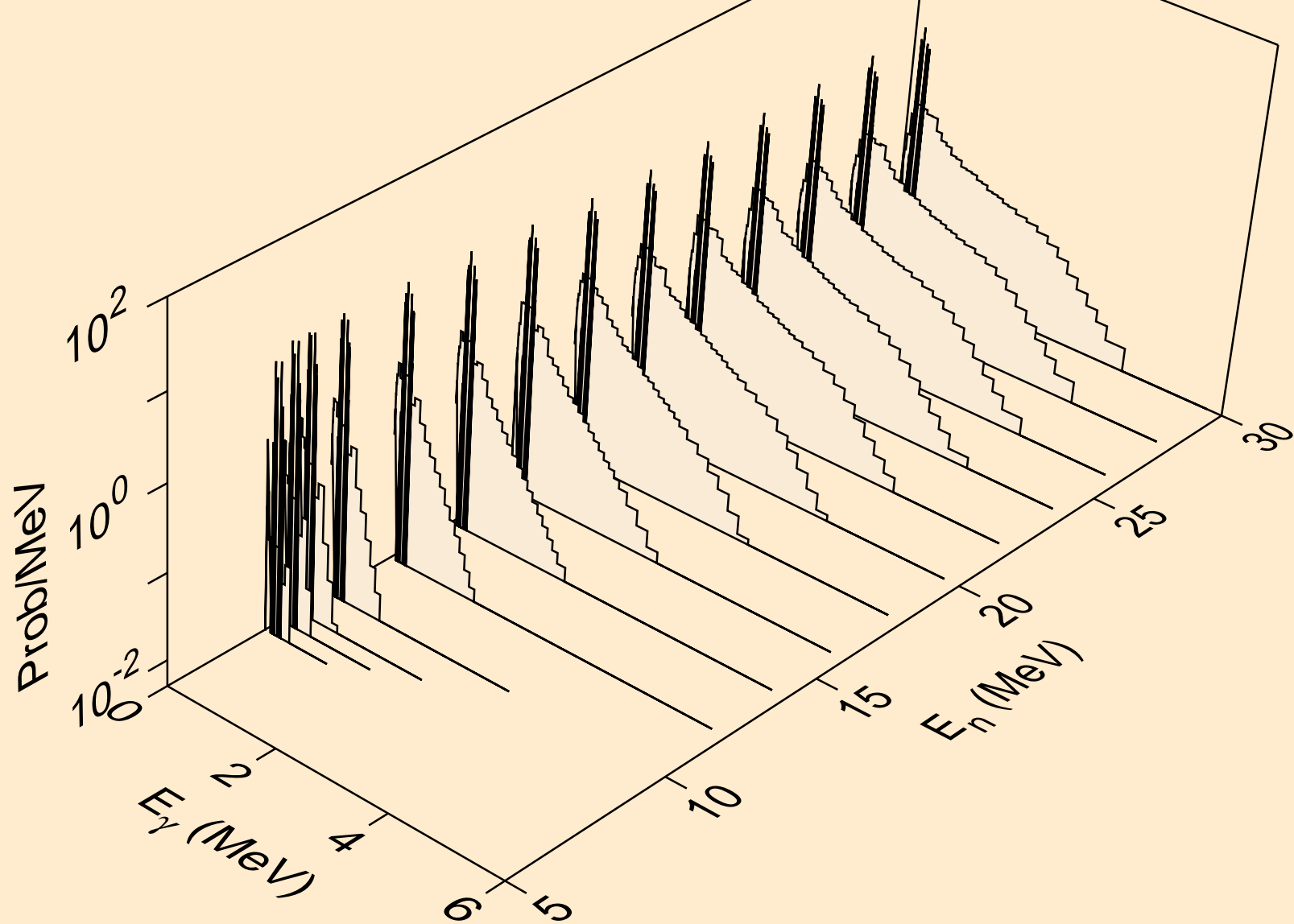
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Photon emission for (n,2n)a



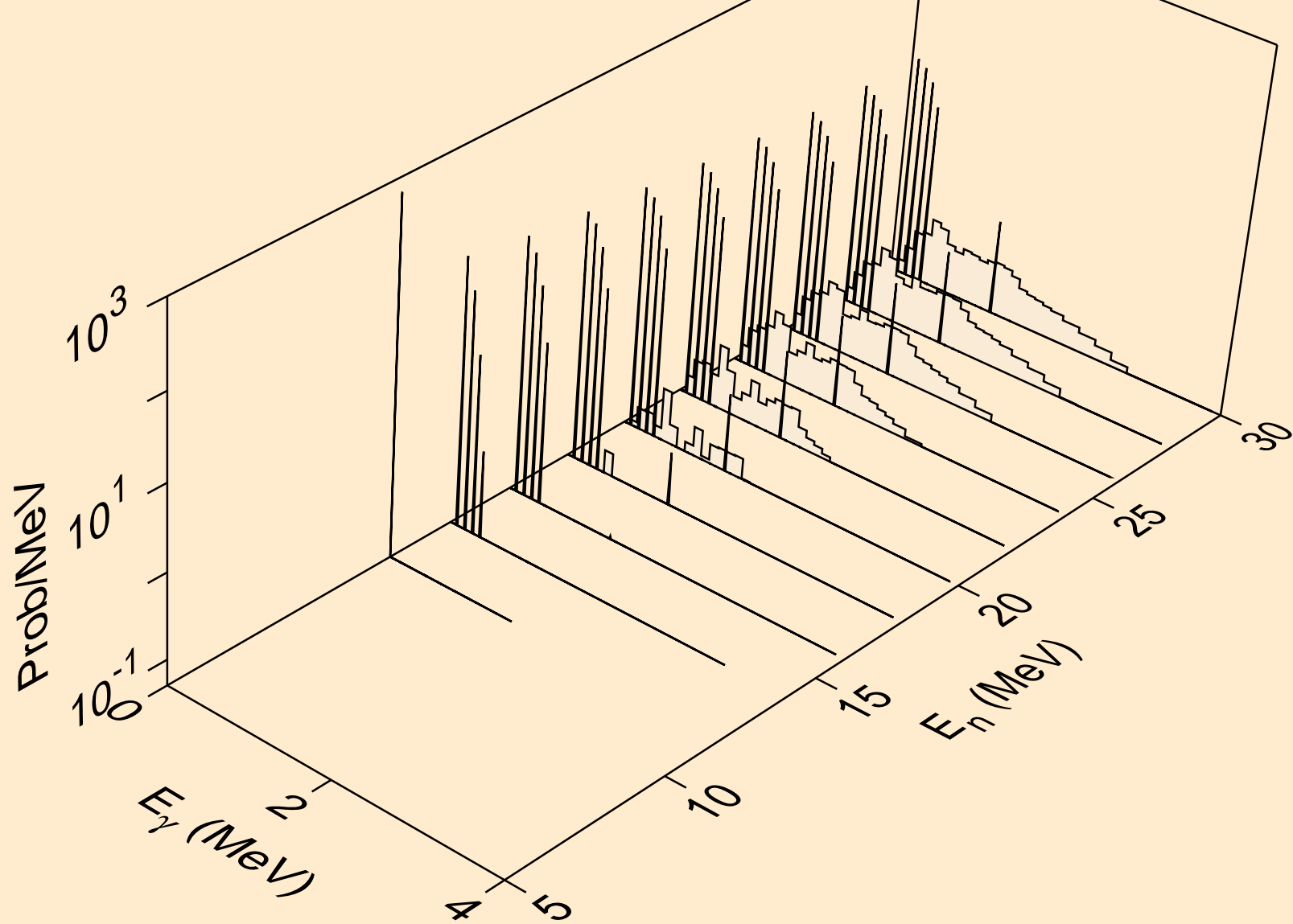
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a



LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

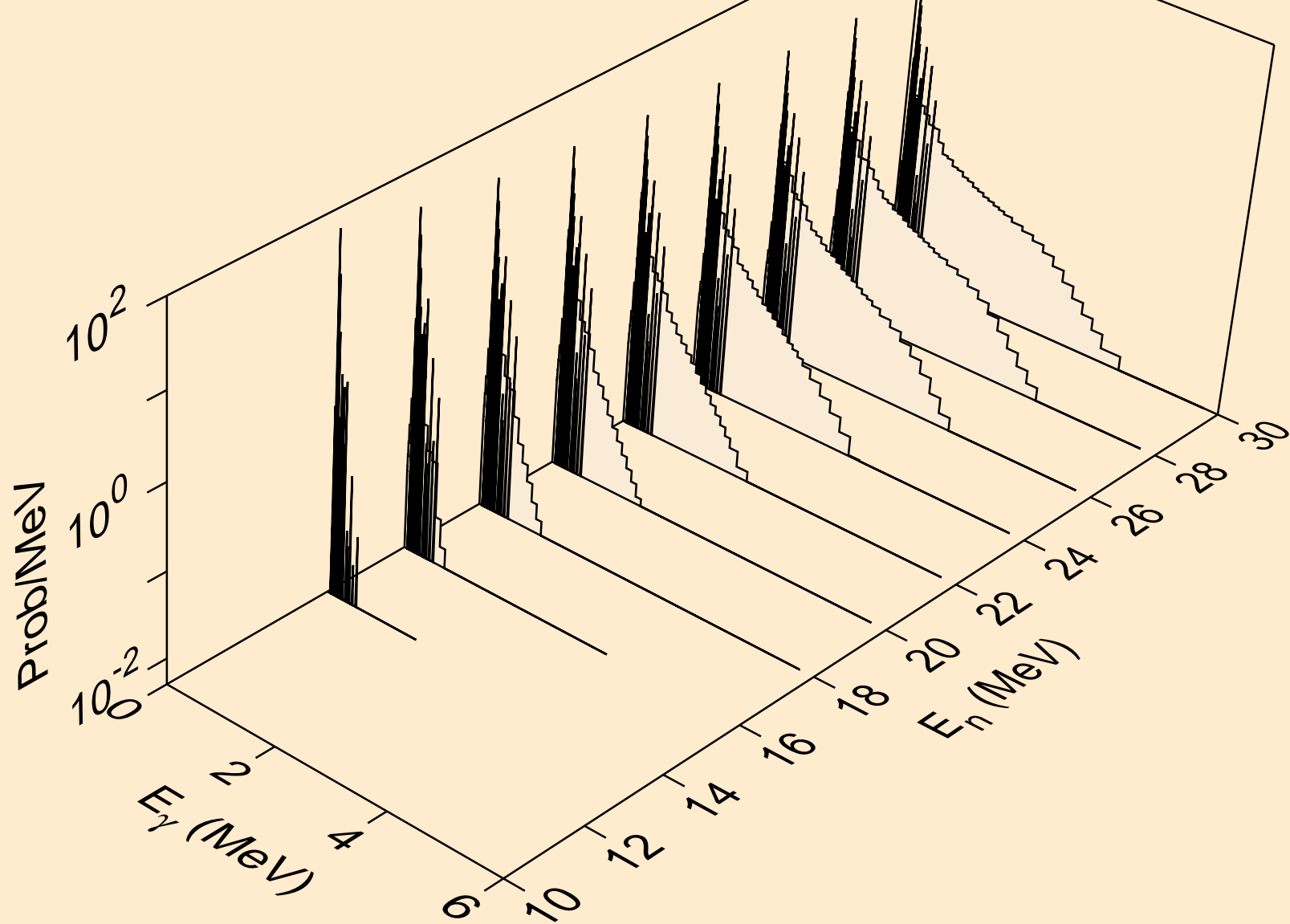


LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

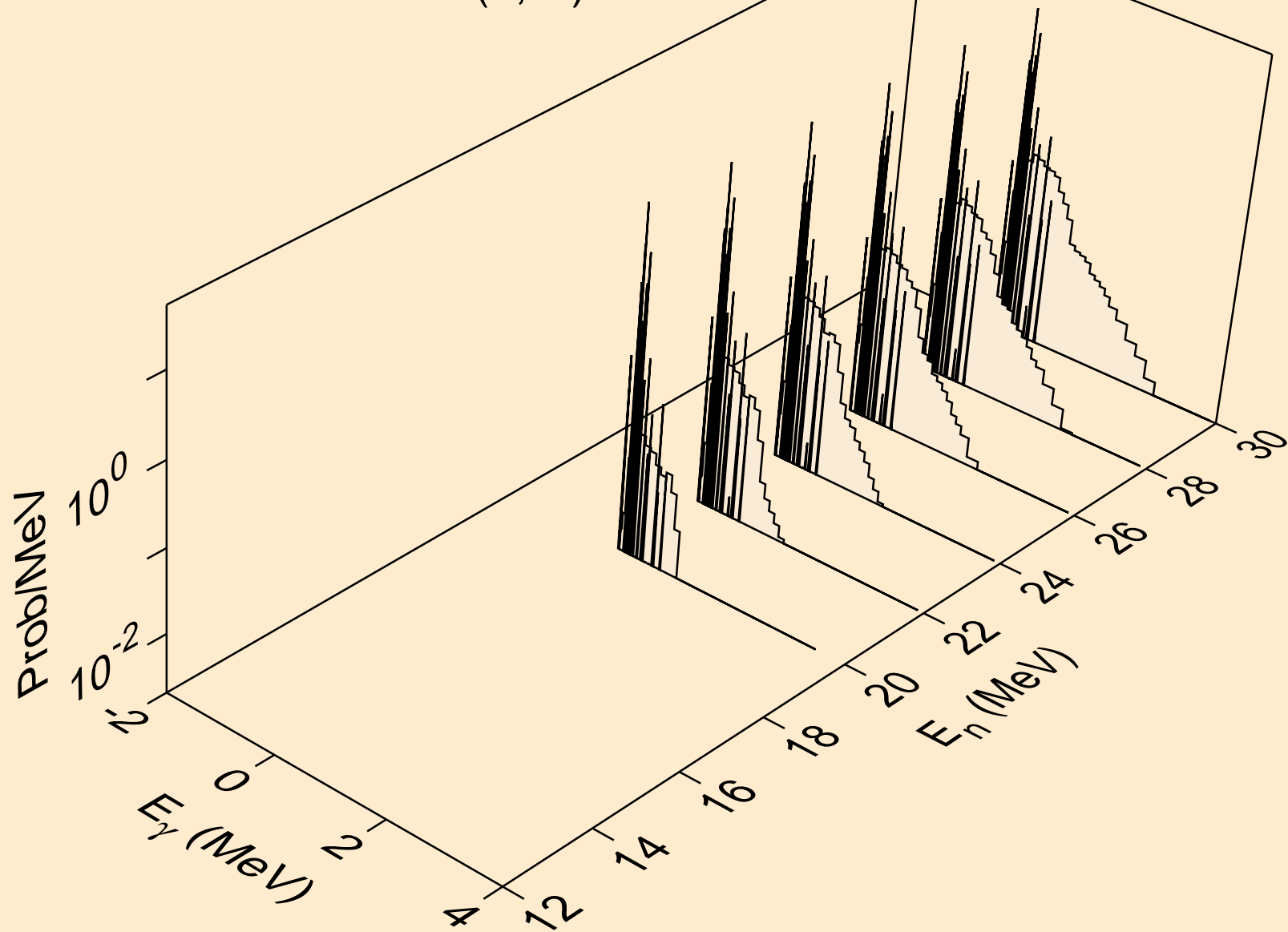




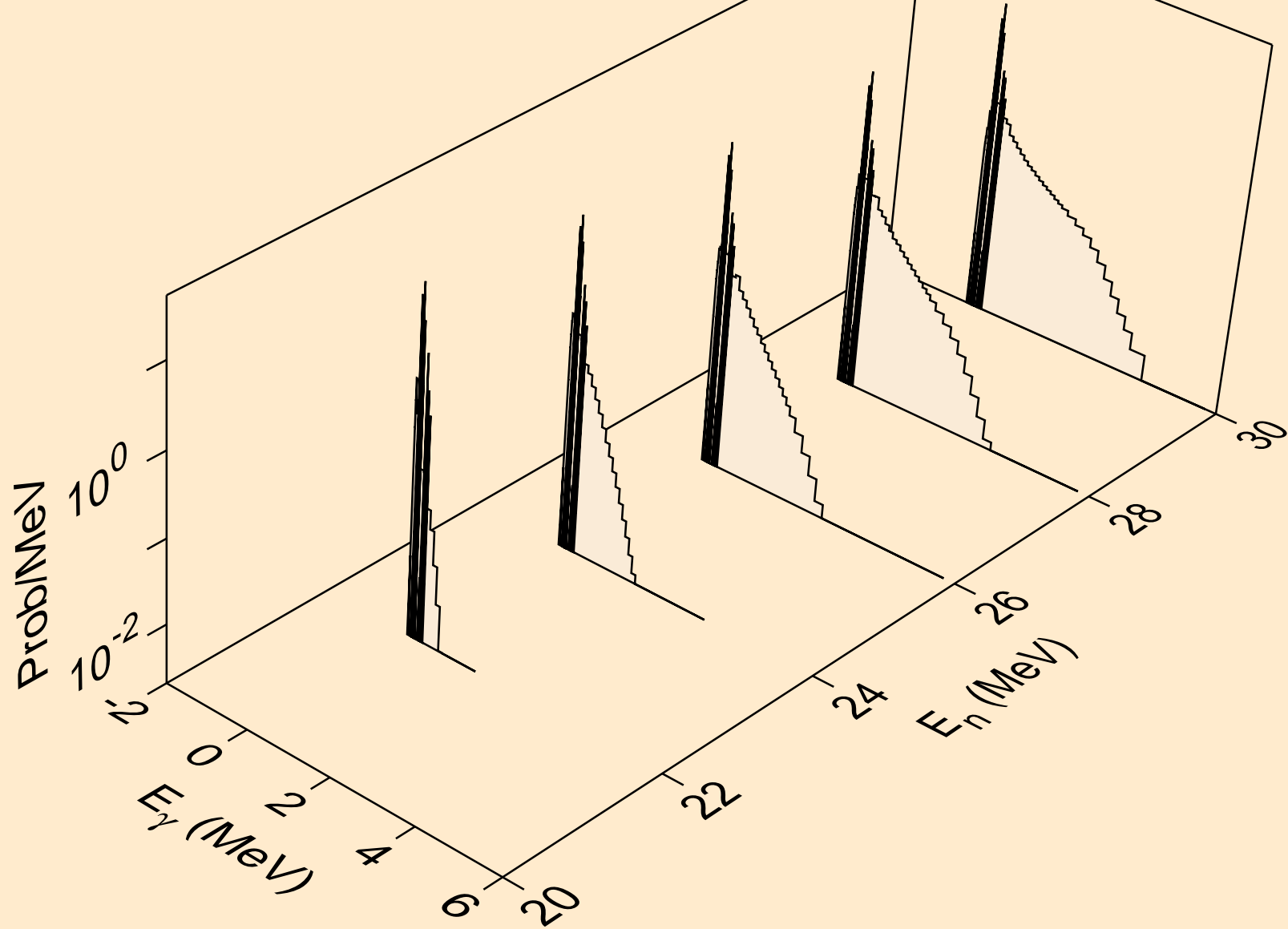
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Photon emission for (n,n\*)t



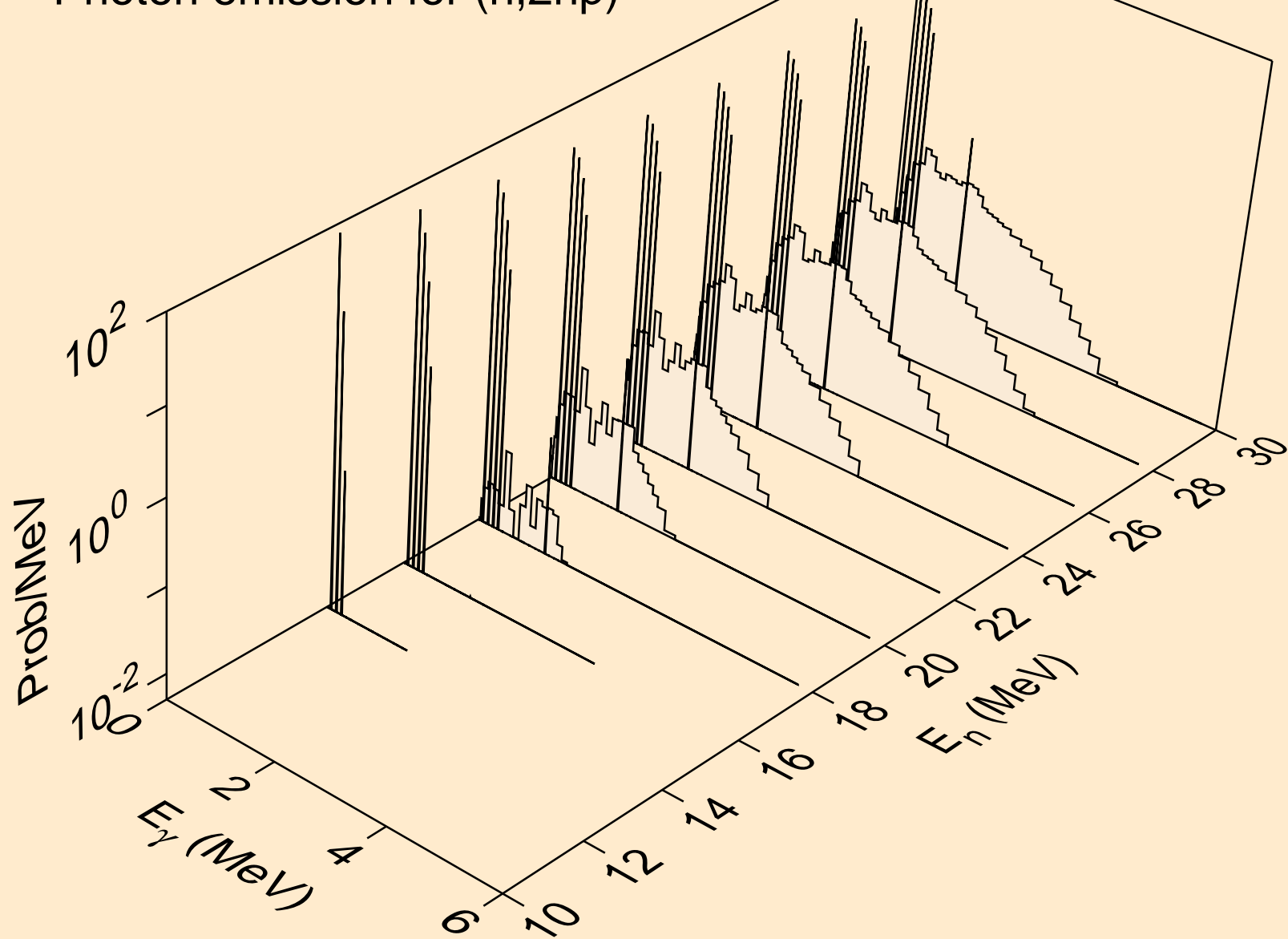
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



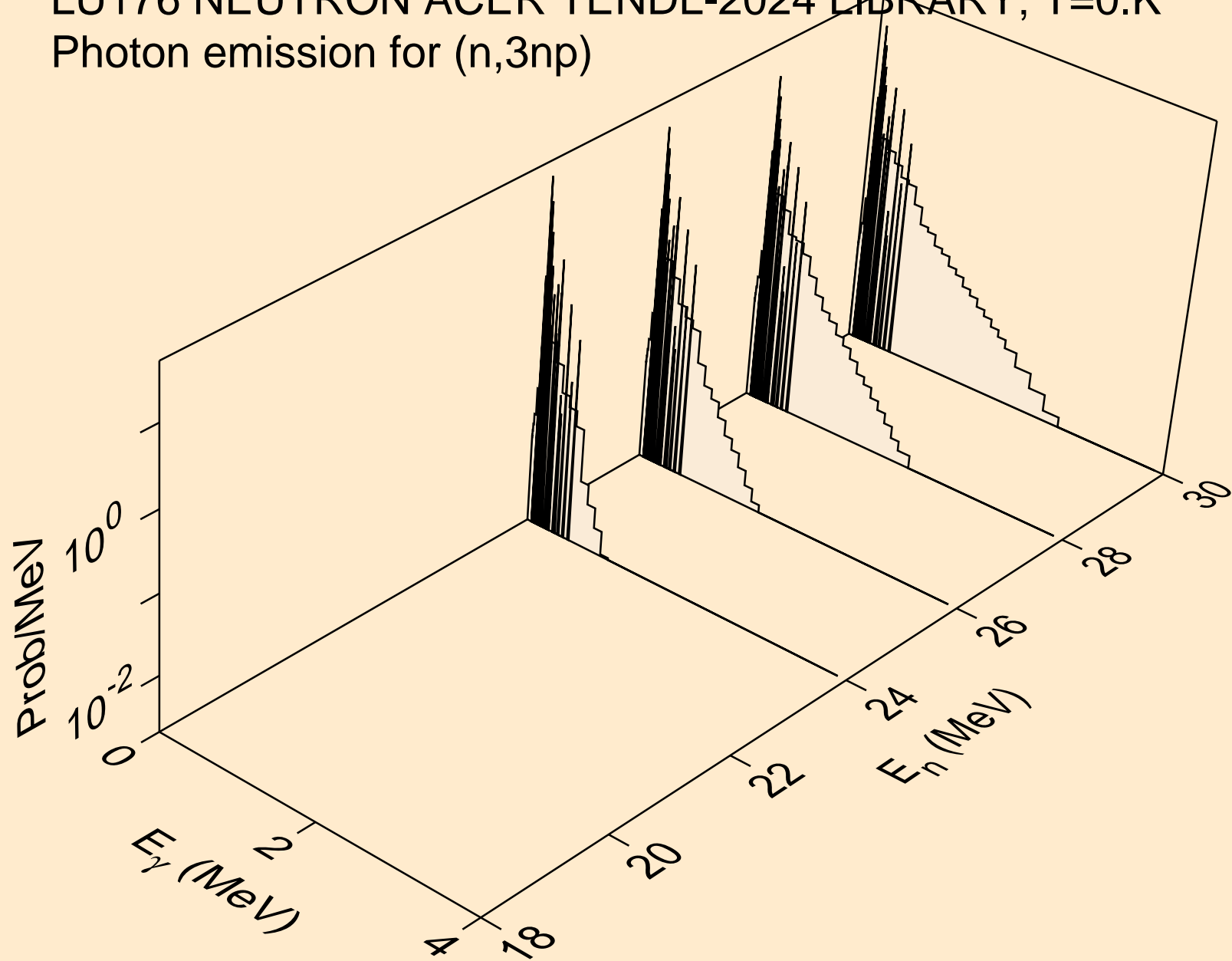
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Photon emission for (n,4n)



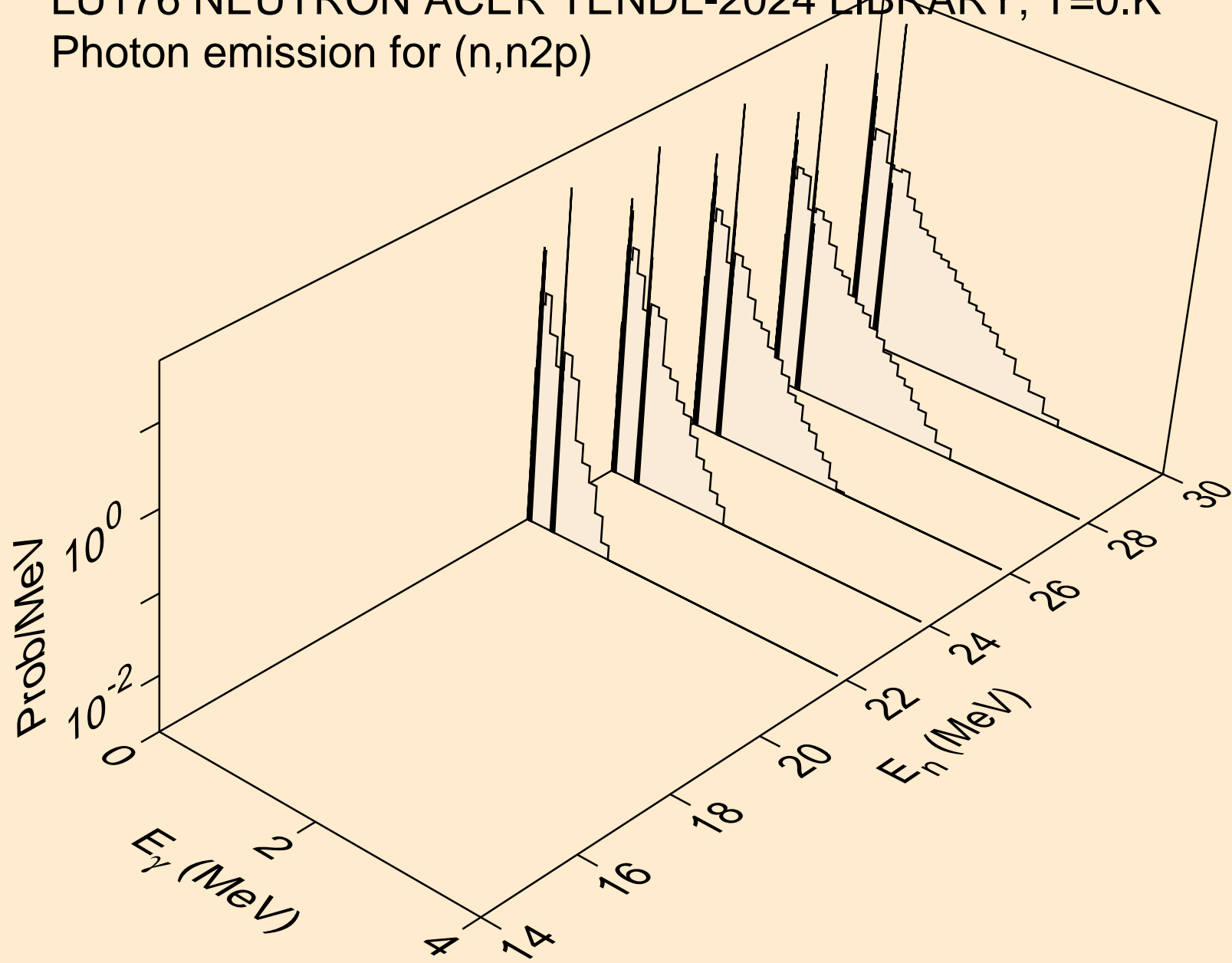
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Photon emission for (n,2np)



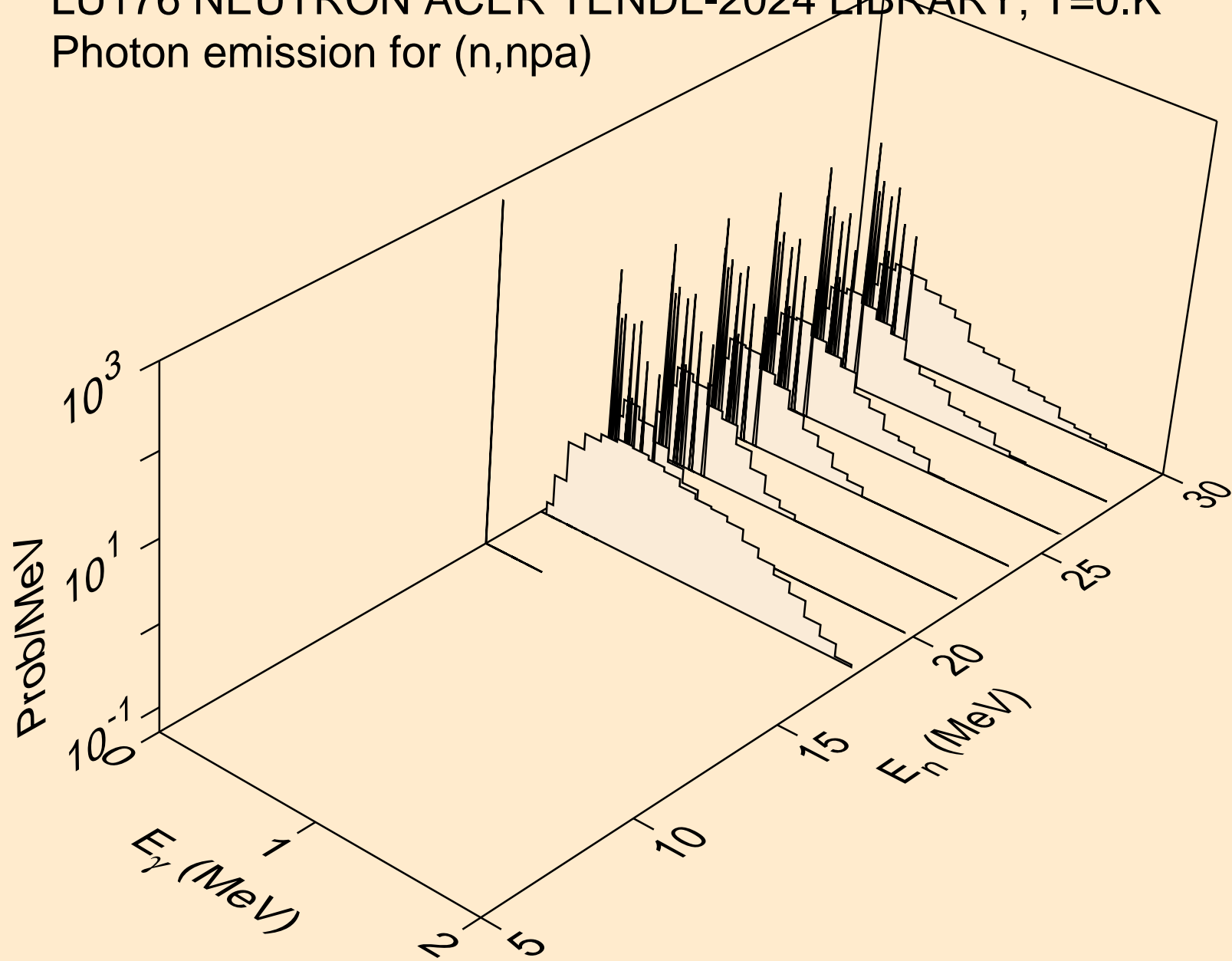
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Photon emission for (n,3np)



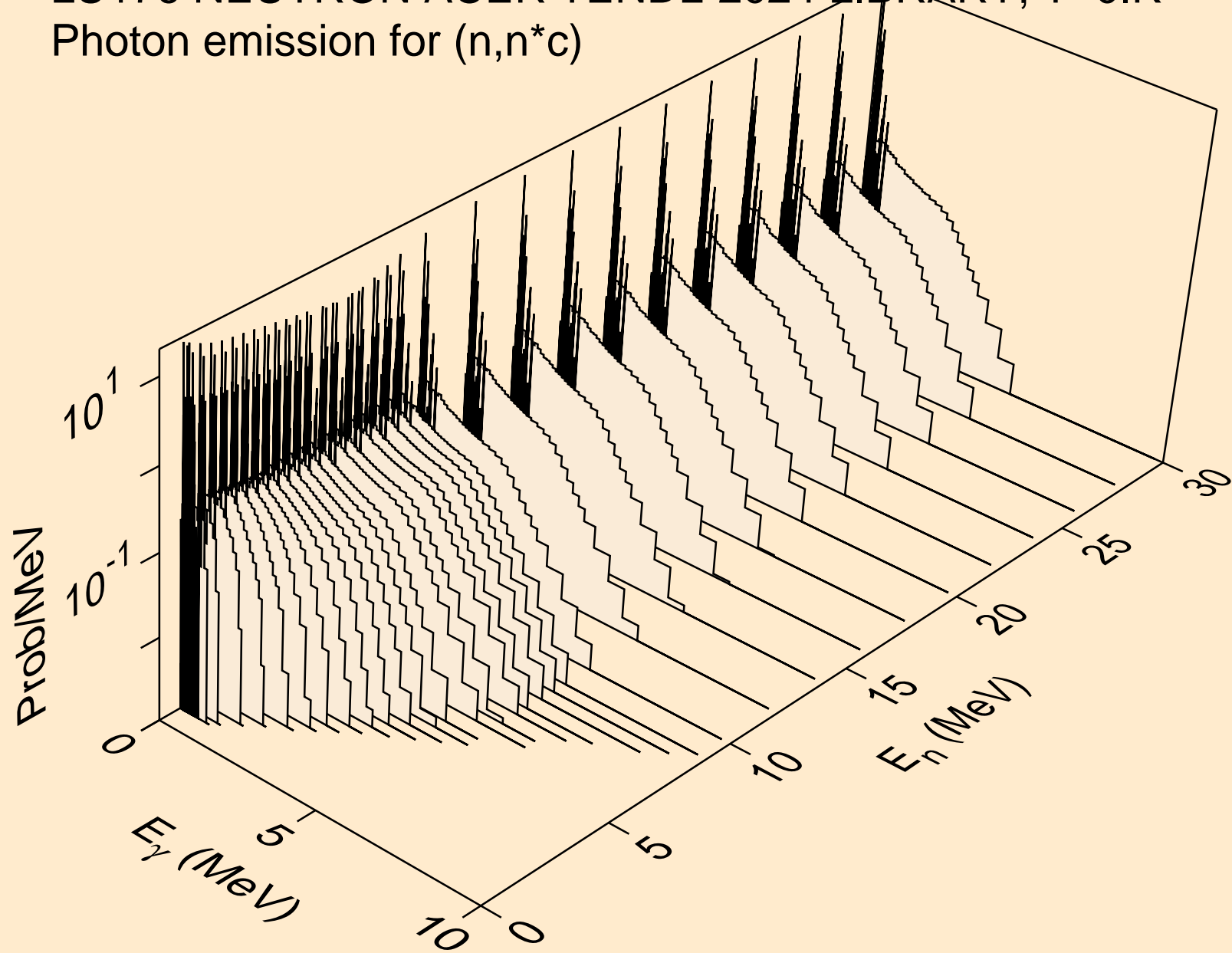
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Photon emission for (n,n2p)



LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)

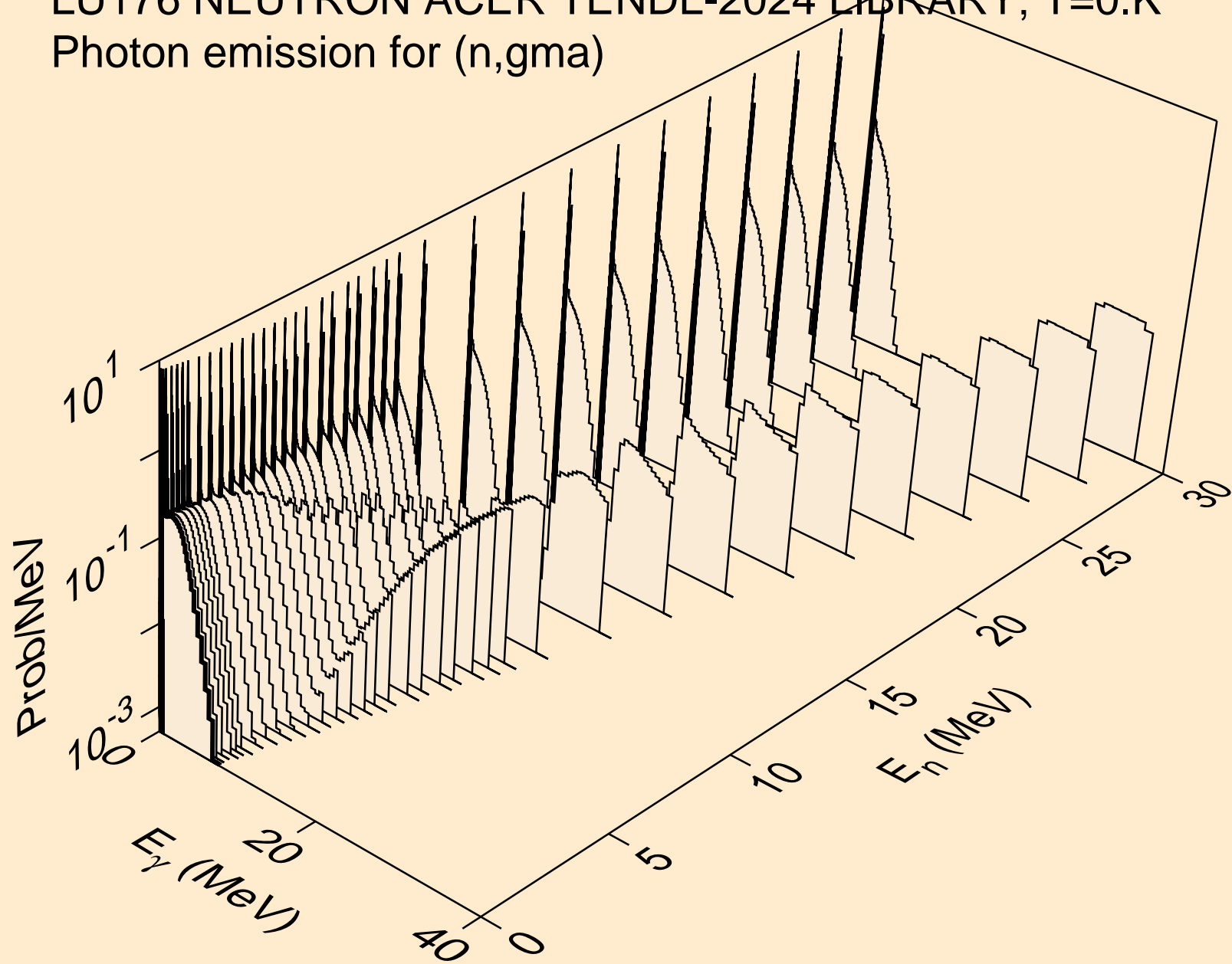


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Photon emission for (n,n\*c)

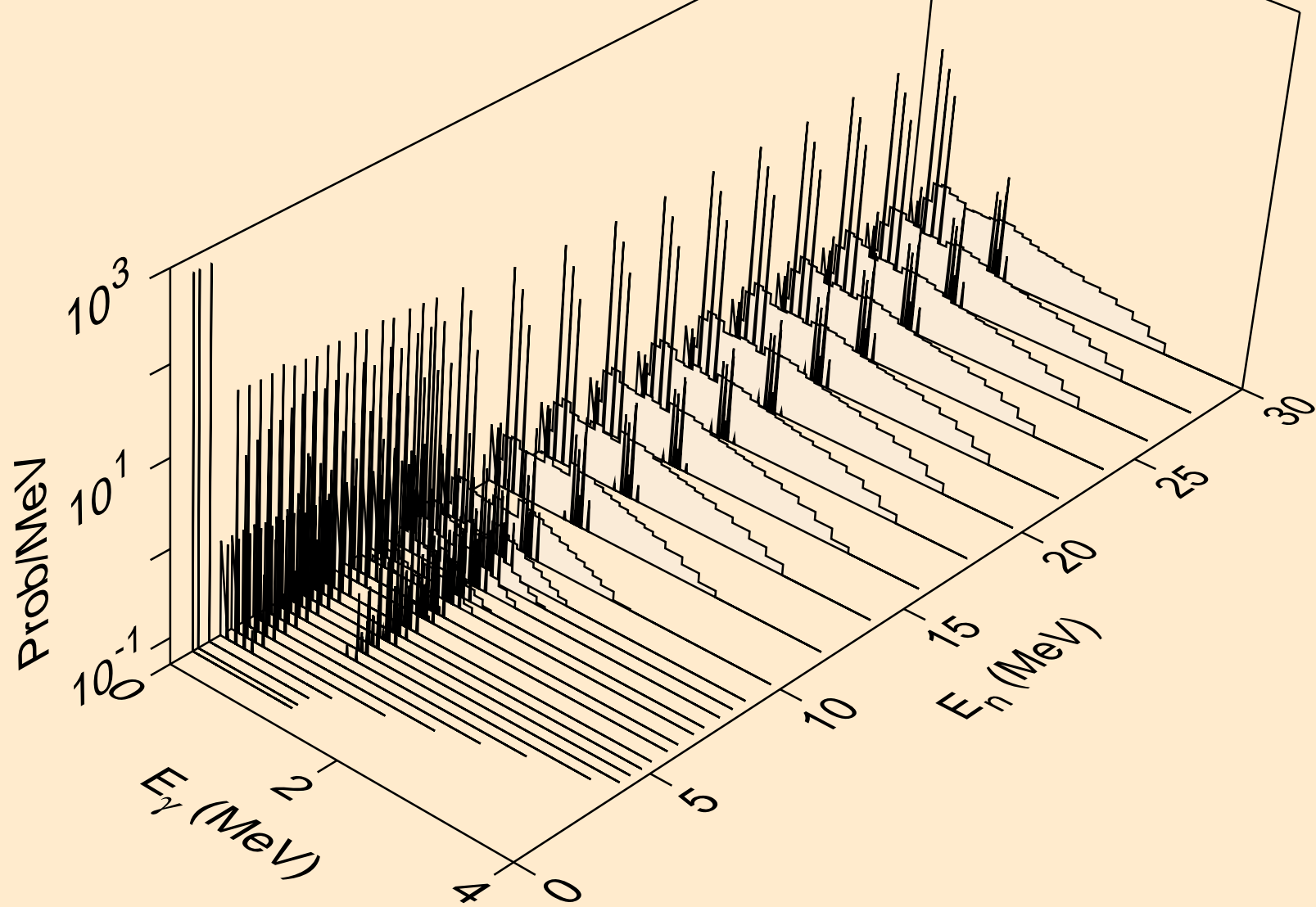




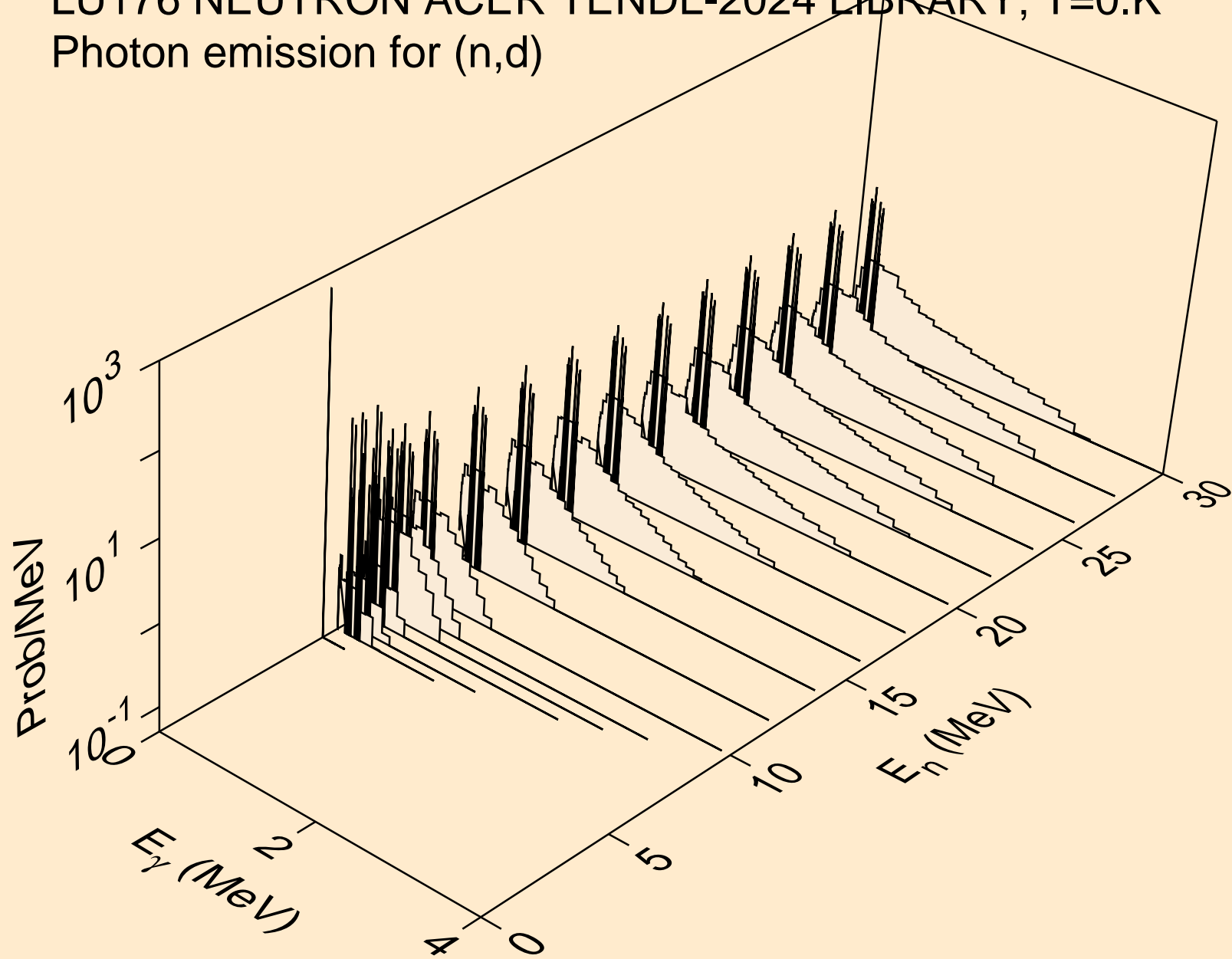
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Photon emission for (n,gma)



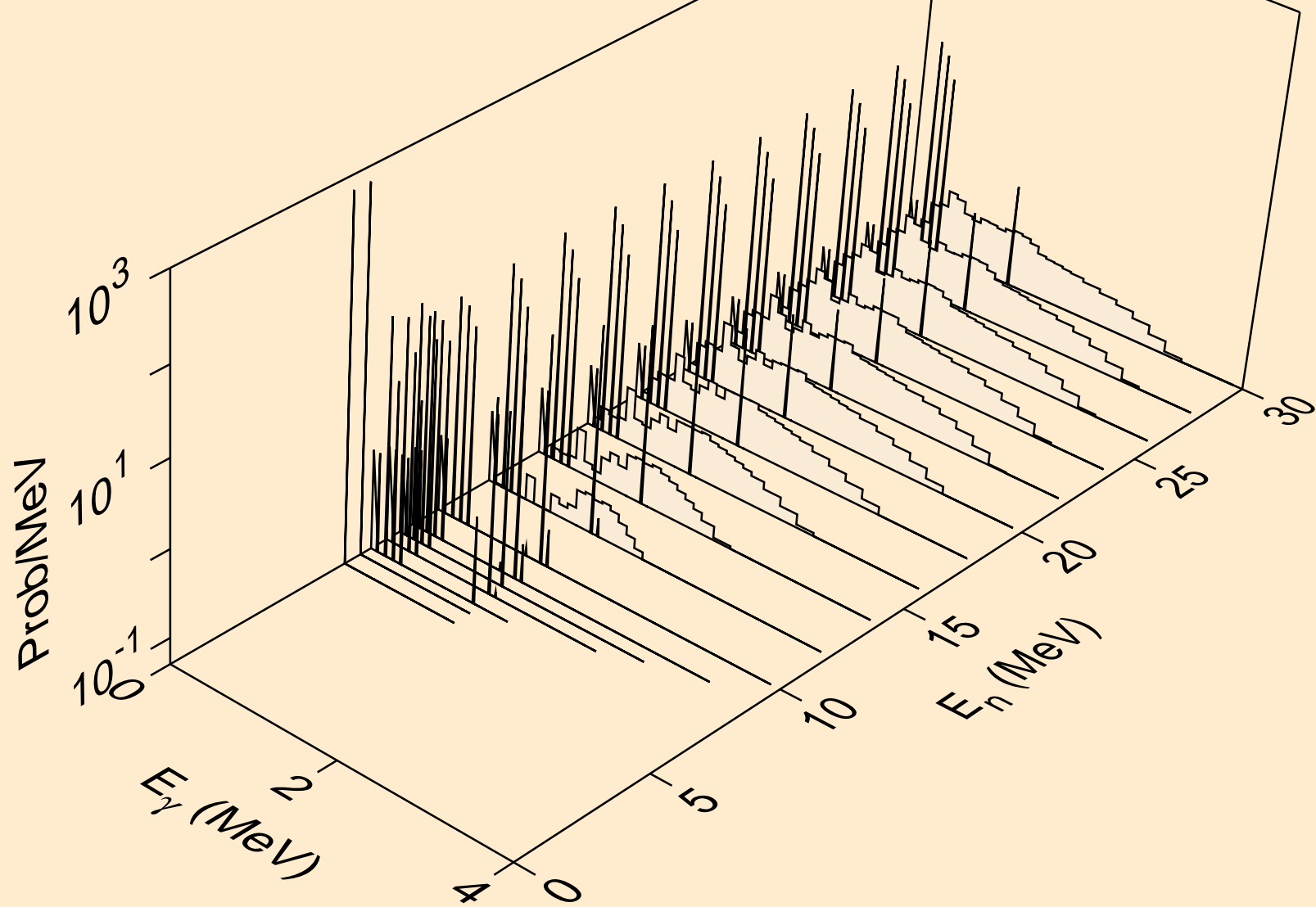
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Photon emission for (n,p)



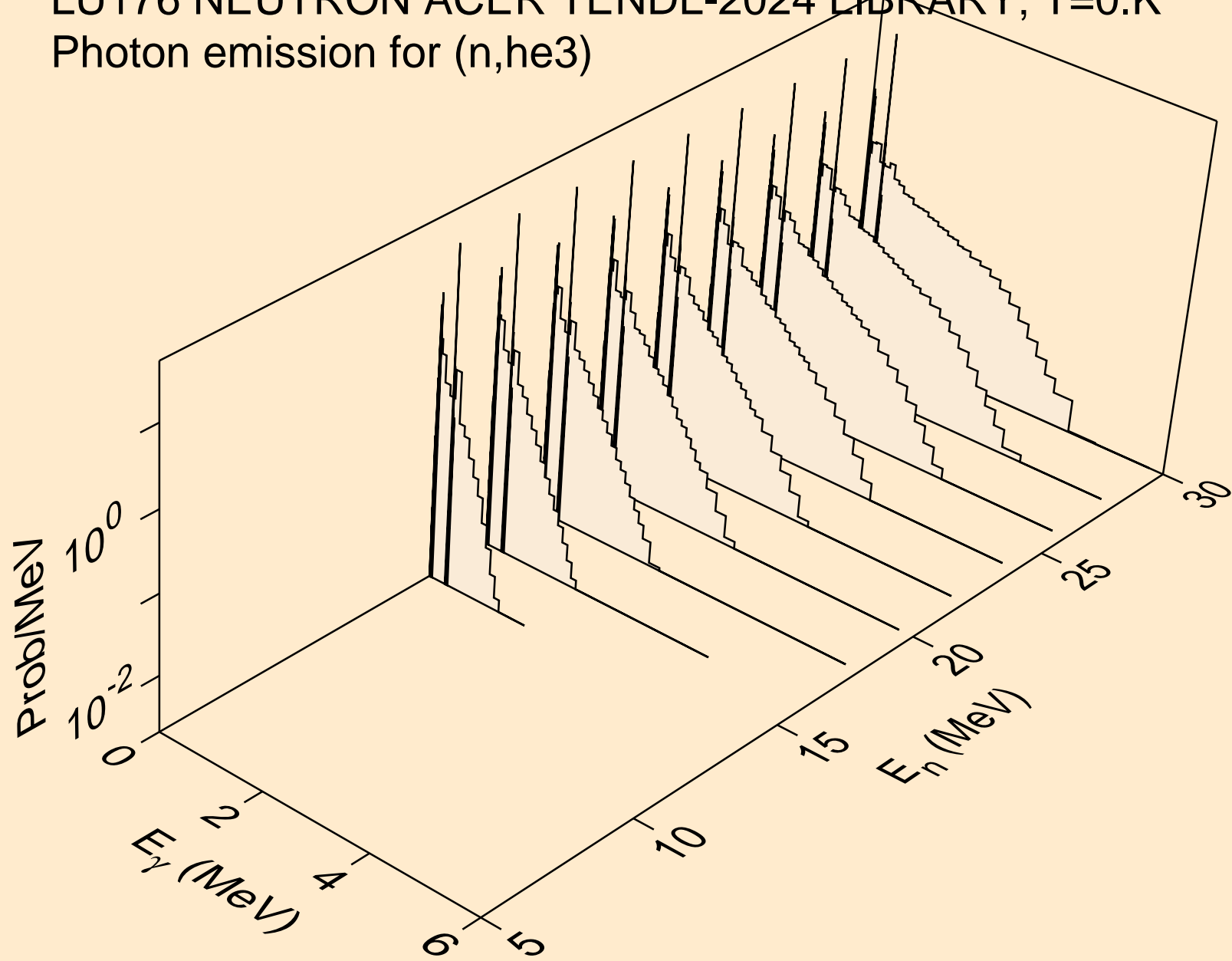
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Photon emission for (n,d)



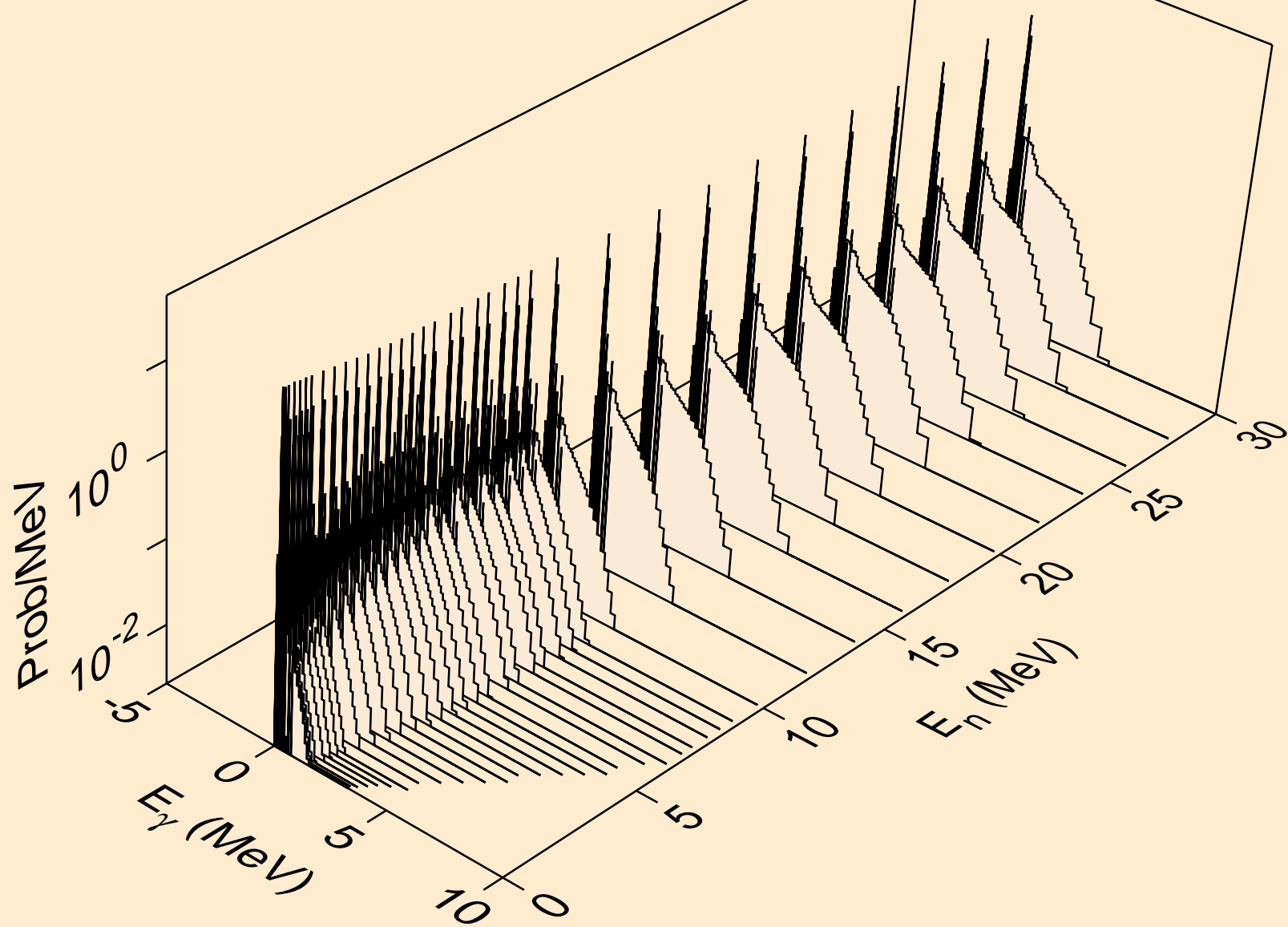
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Photon emission for (n,t)



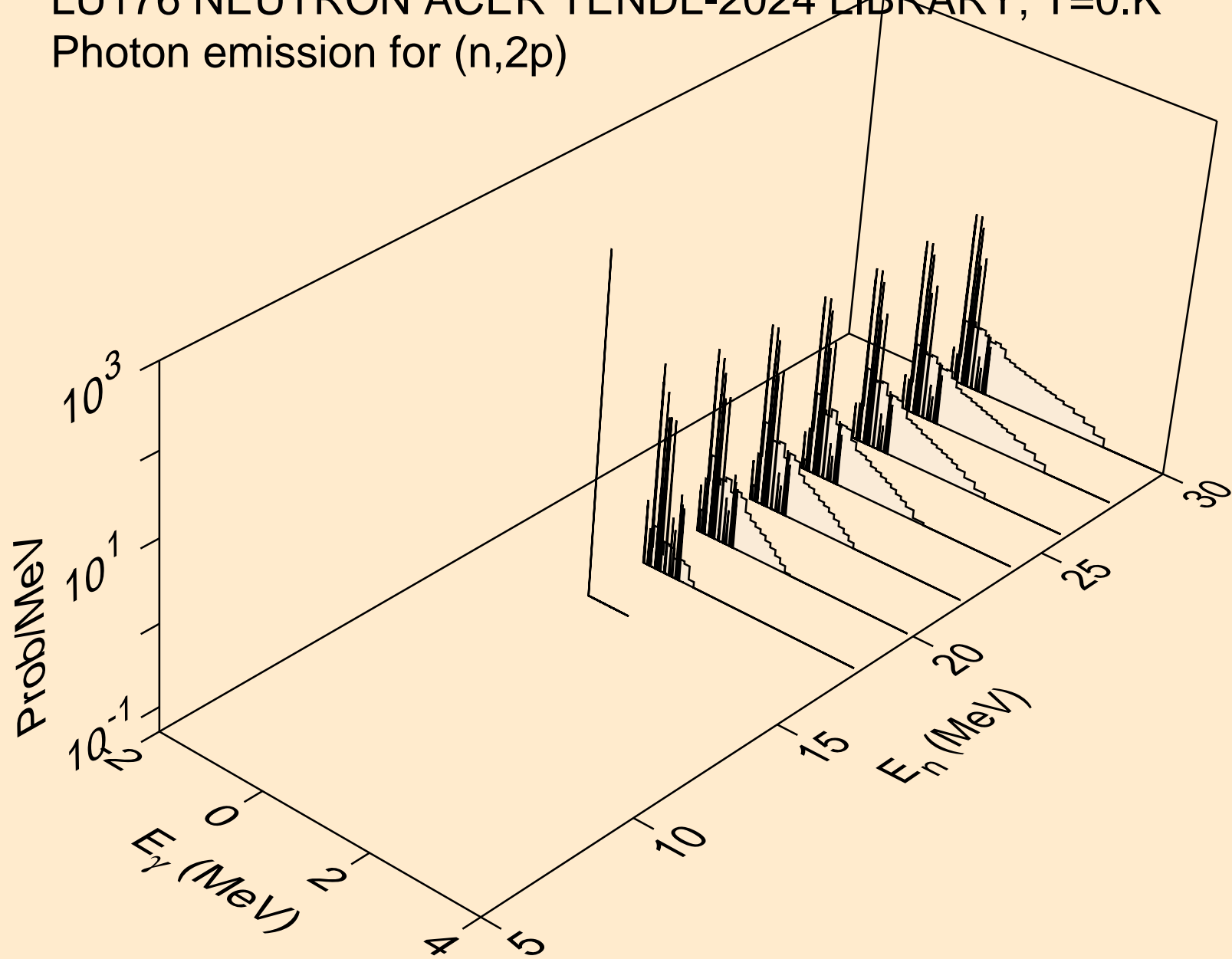
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Photon emission for (n,he3)



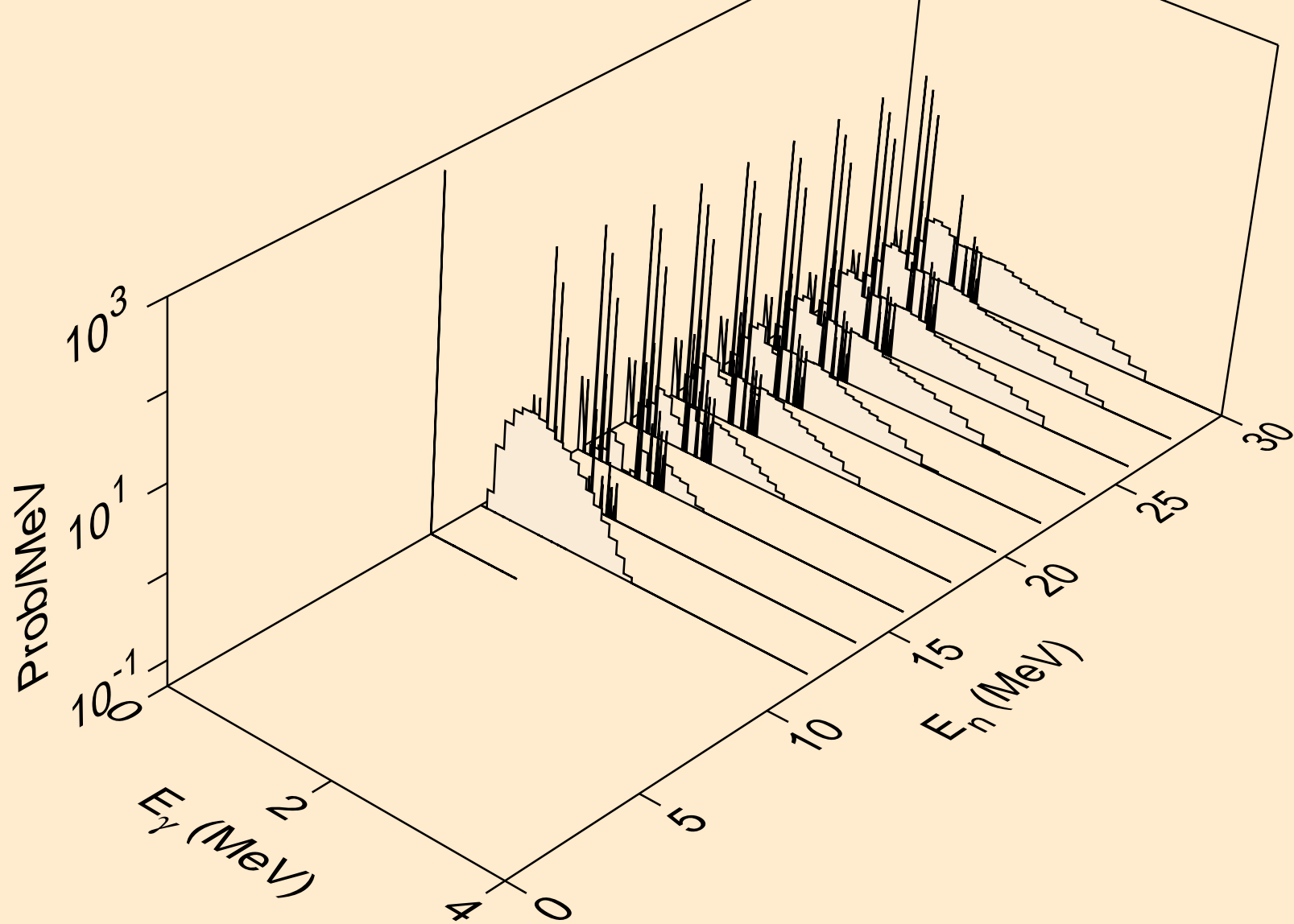
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)

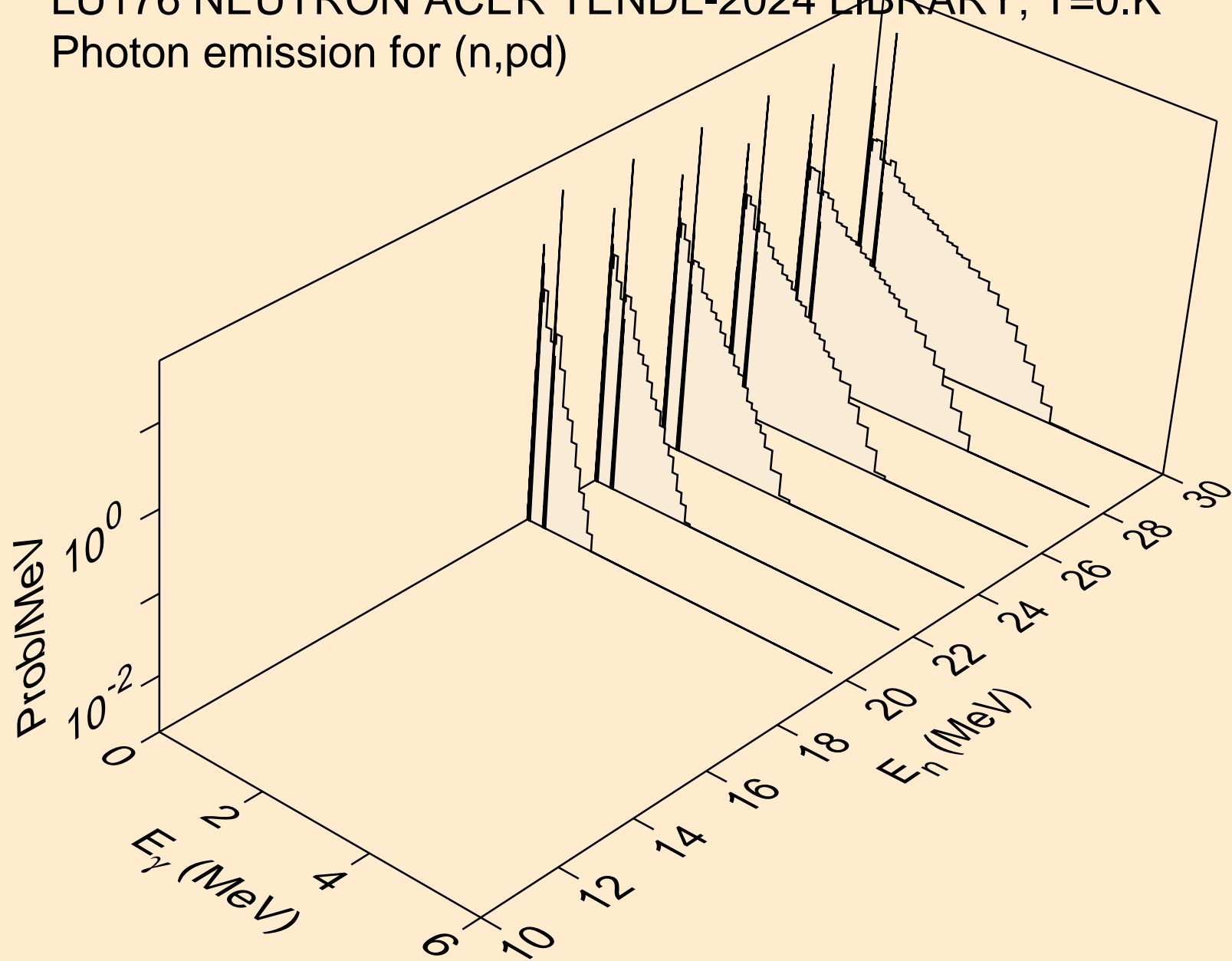


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Photon emission for (n,p $\alpha$ )

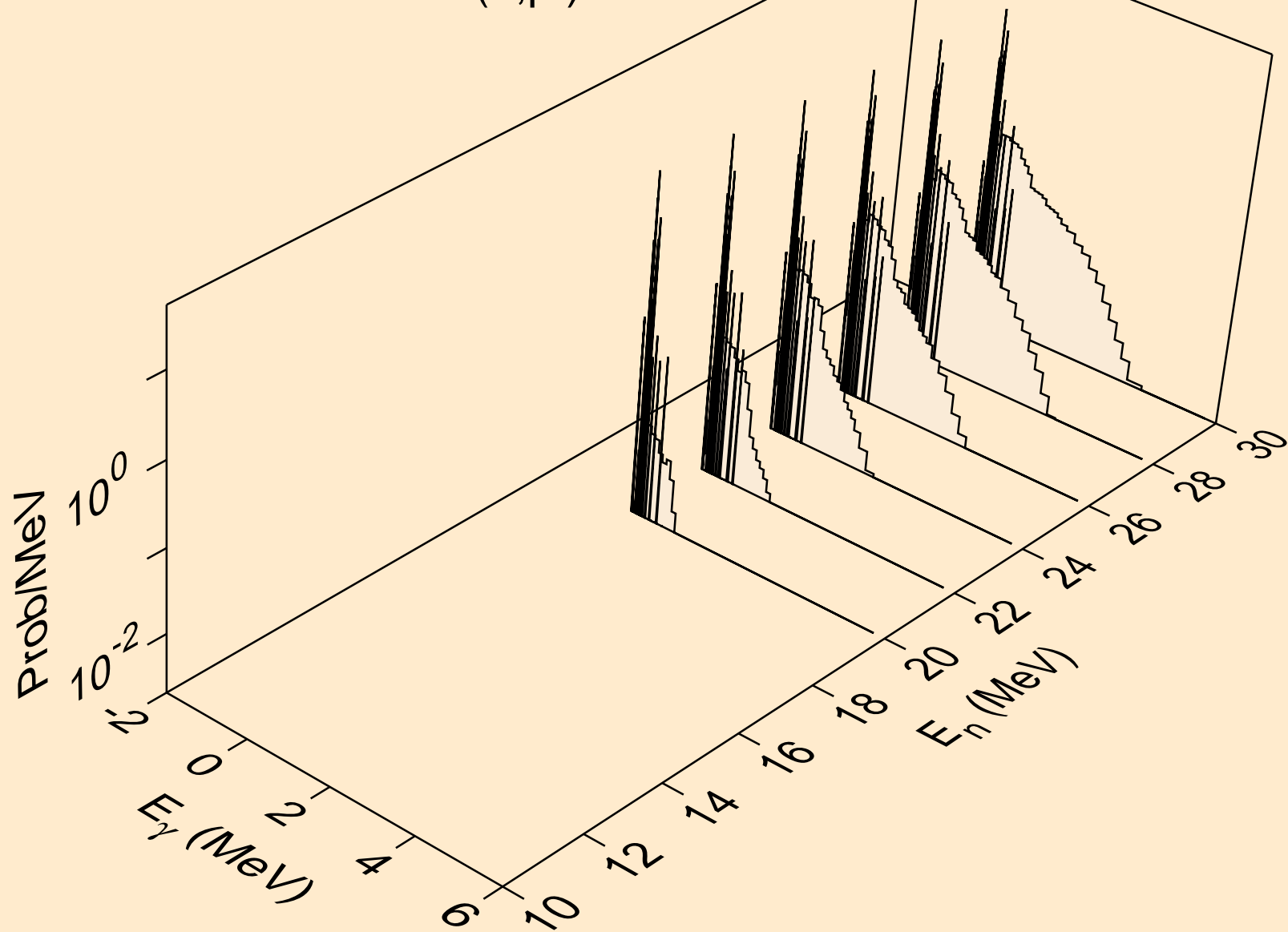




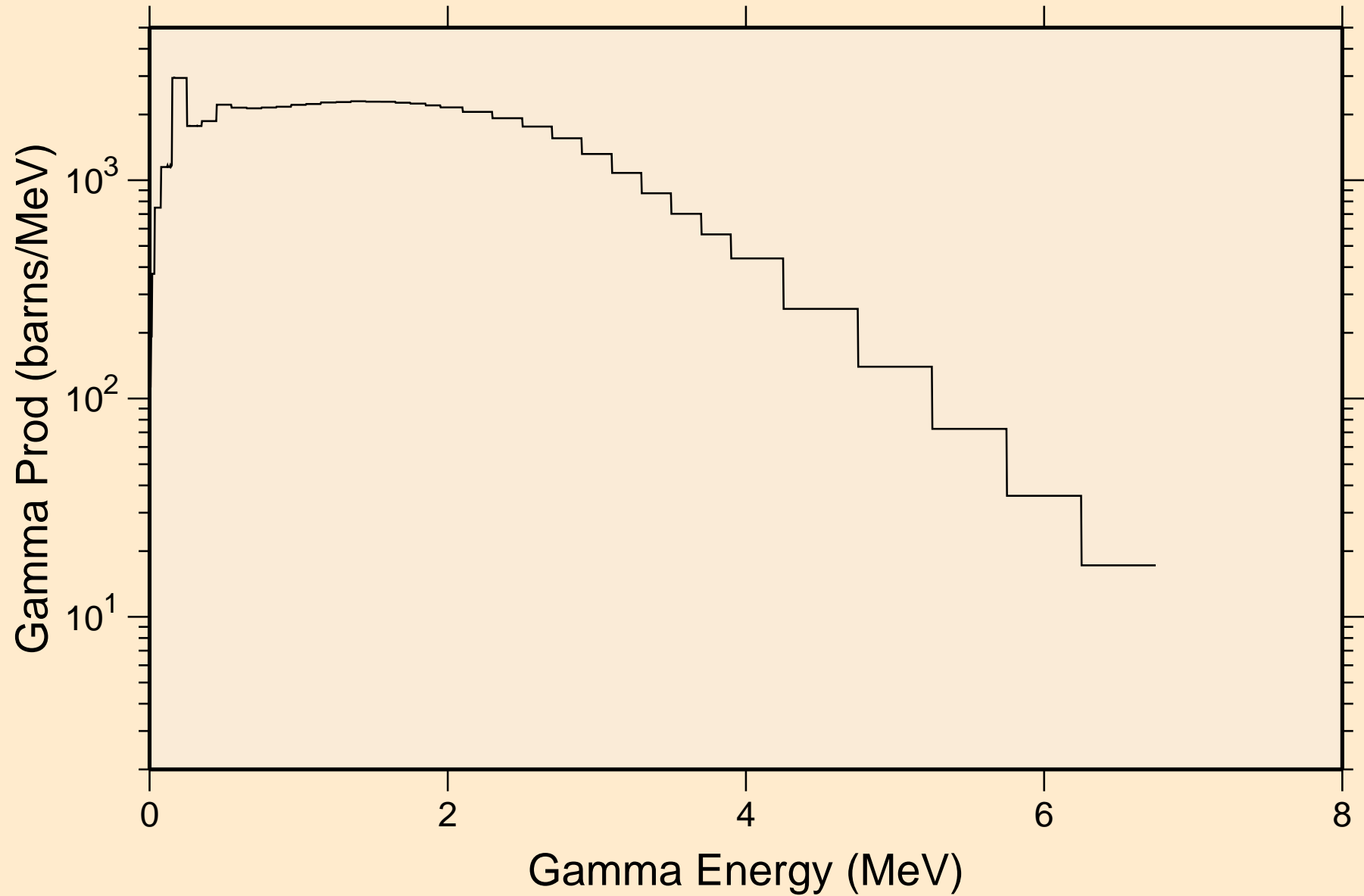
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Photon emission for (n,pd)



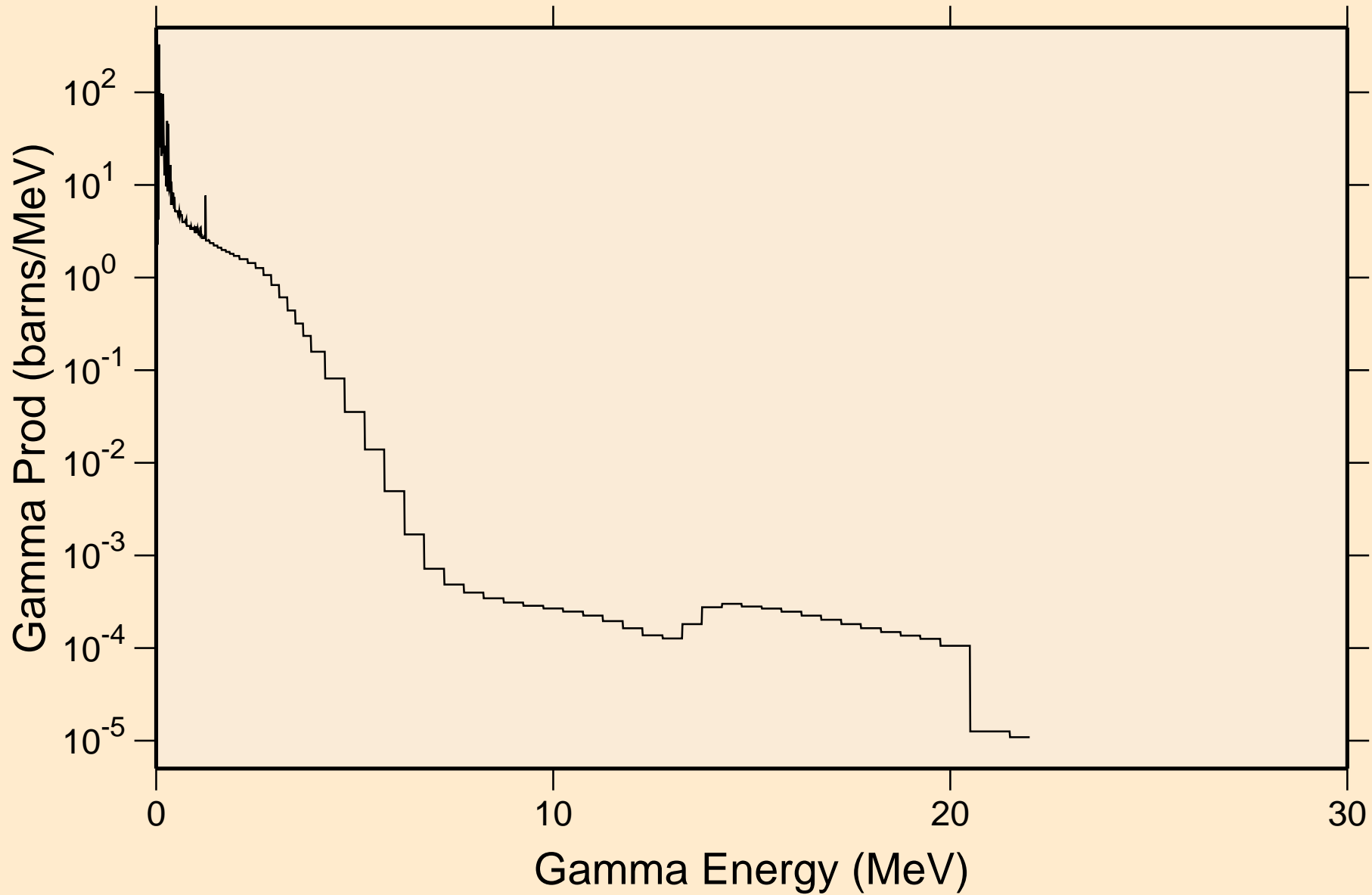
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Photon emission for (n,pt)



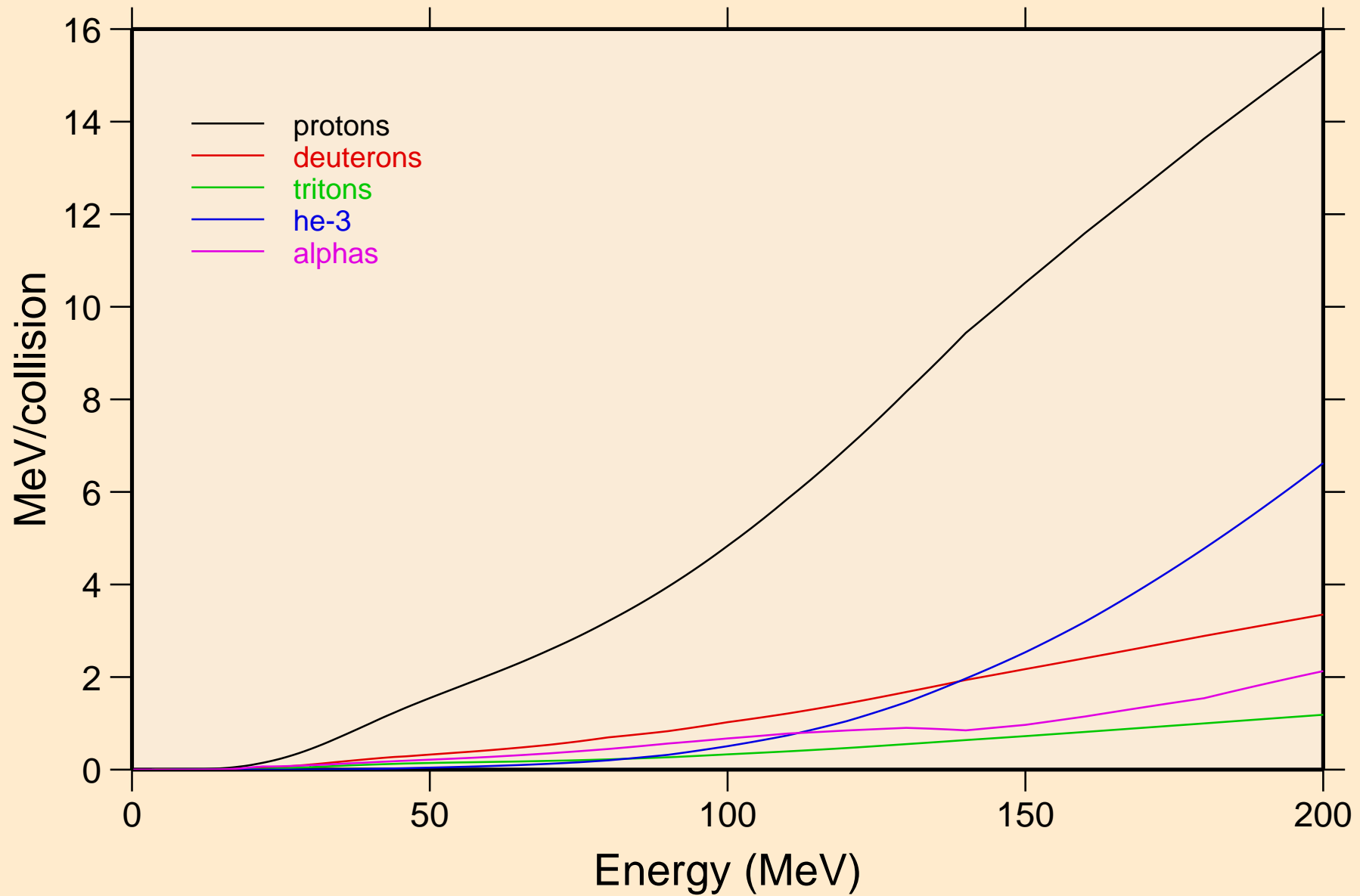
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum



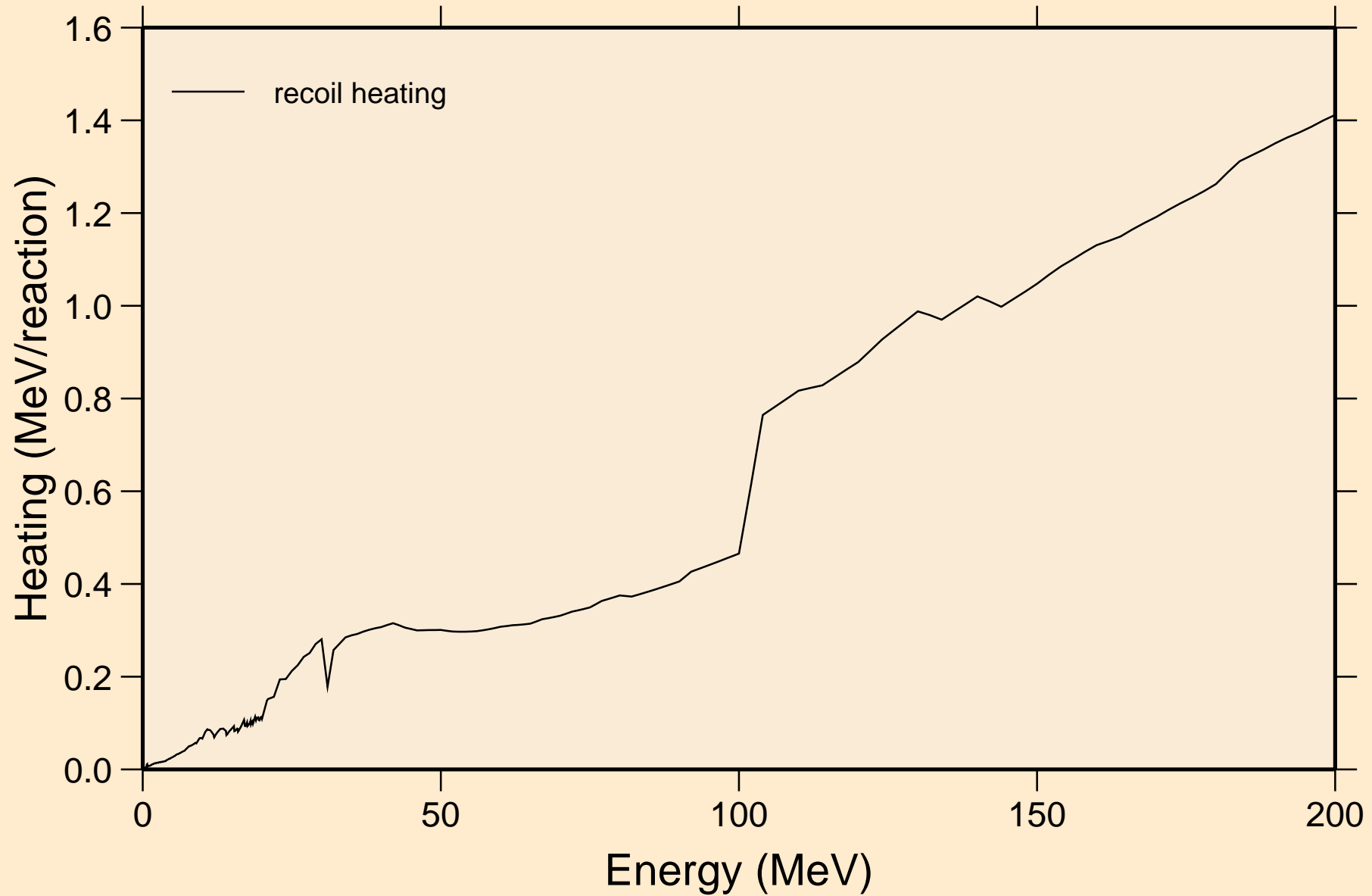
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14 MeV photon spectrum



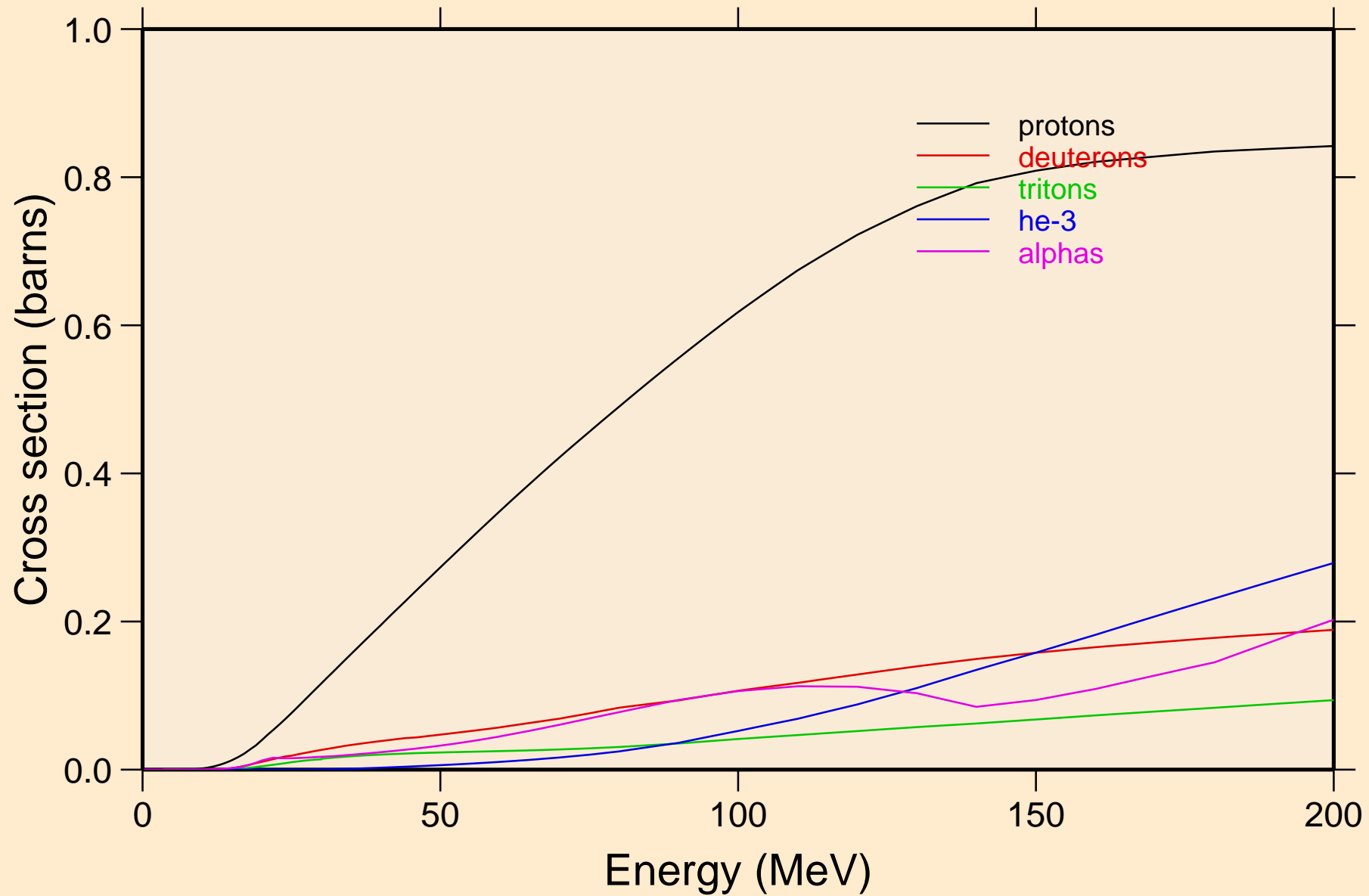
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Particle heating contributions



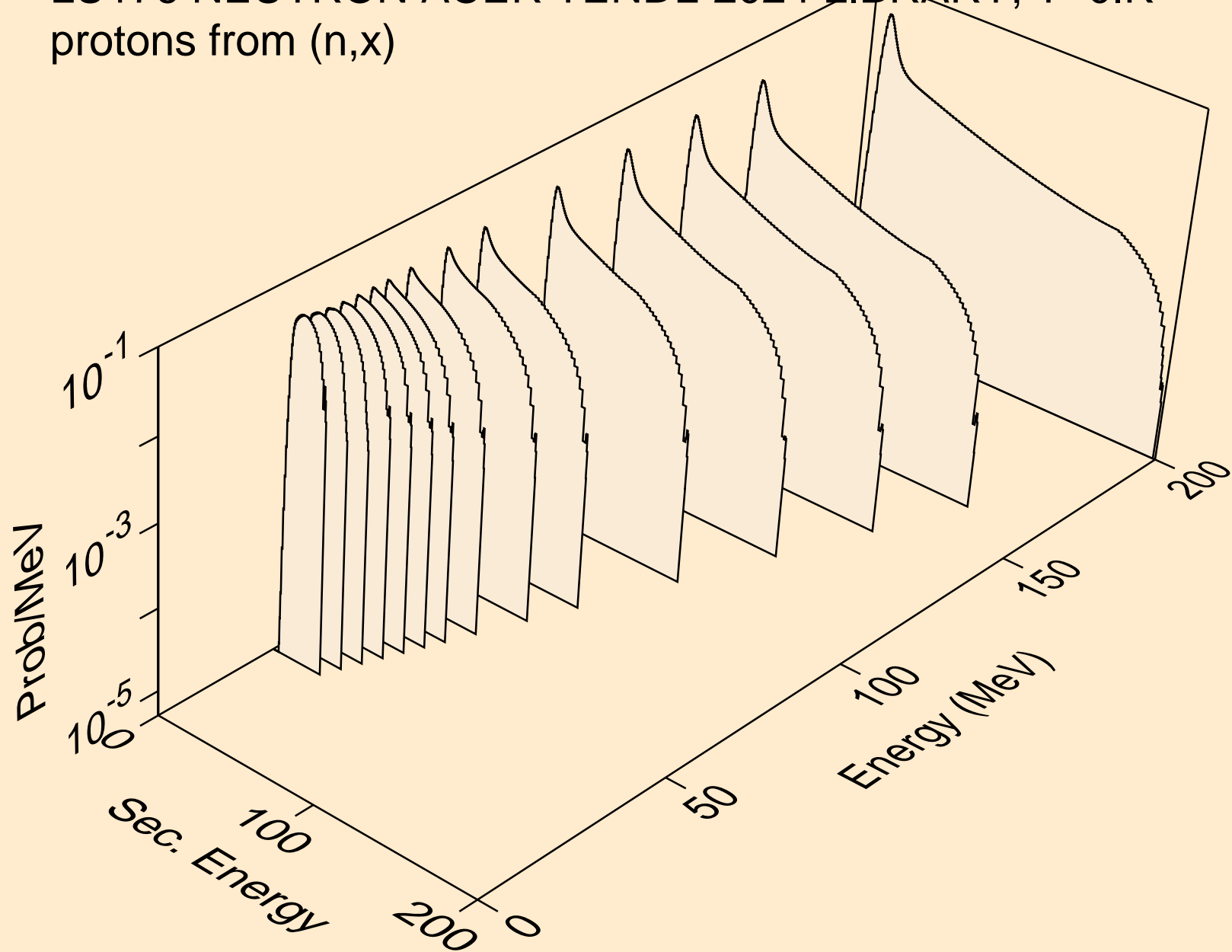
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating



LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Particle production cross sections

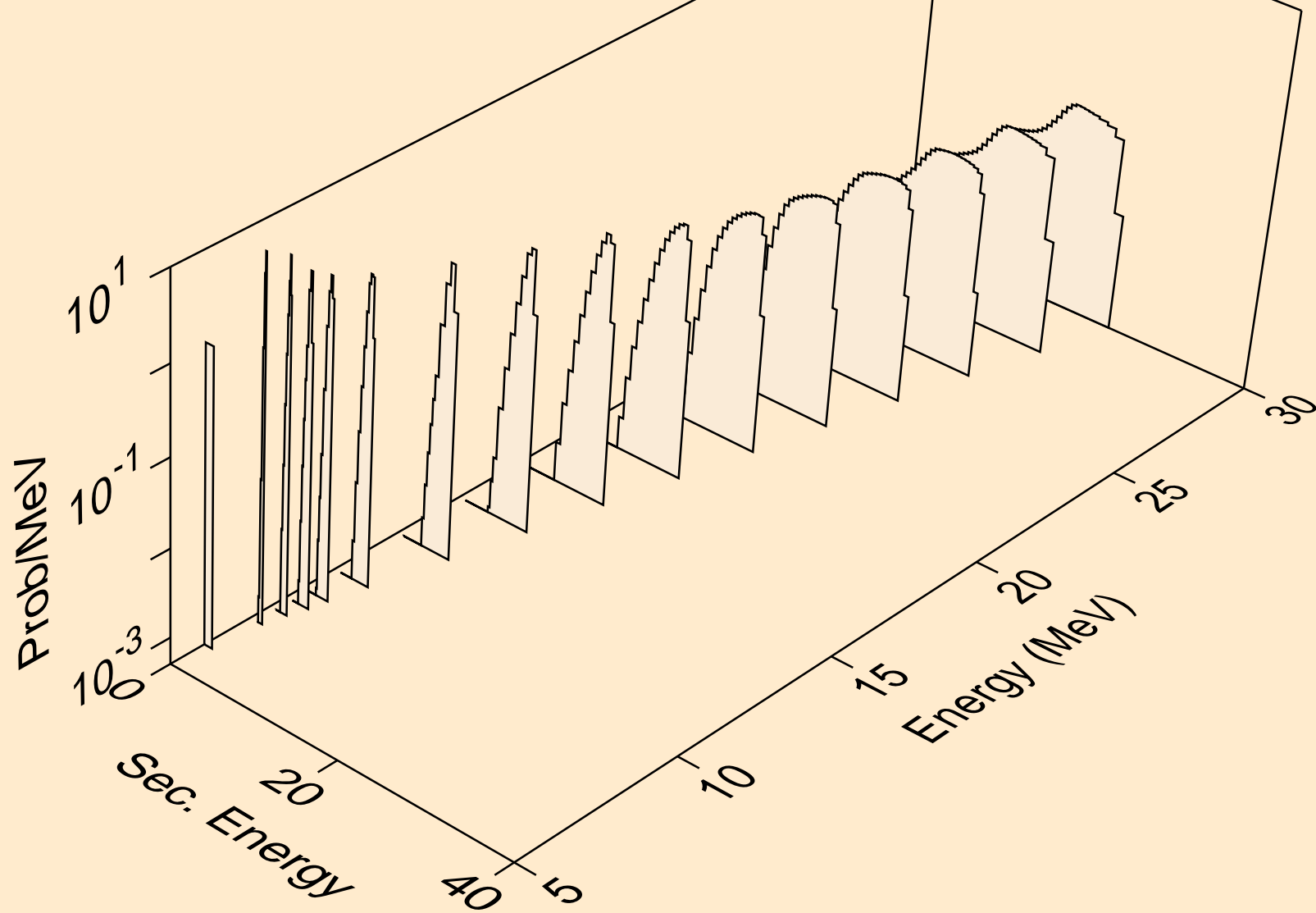


LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)

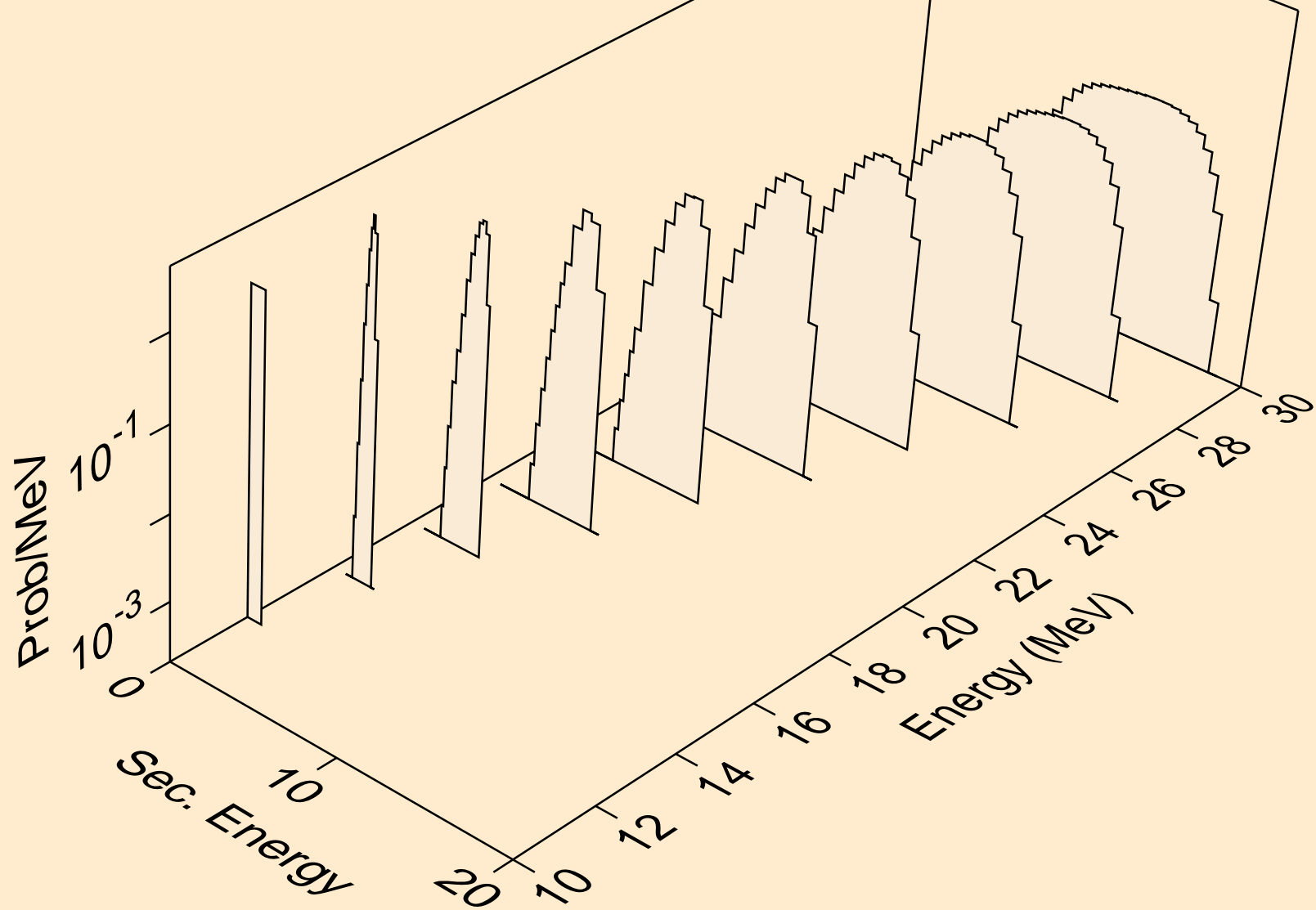




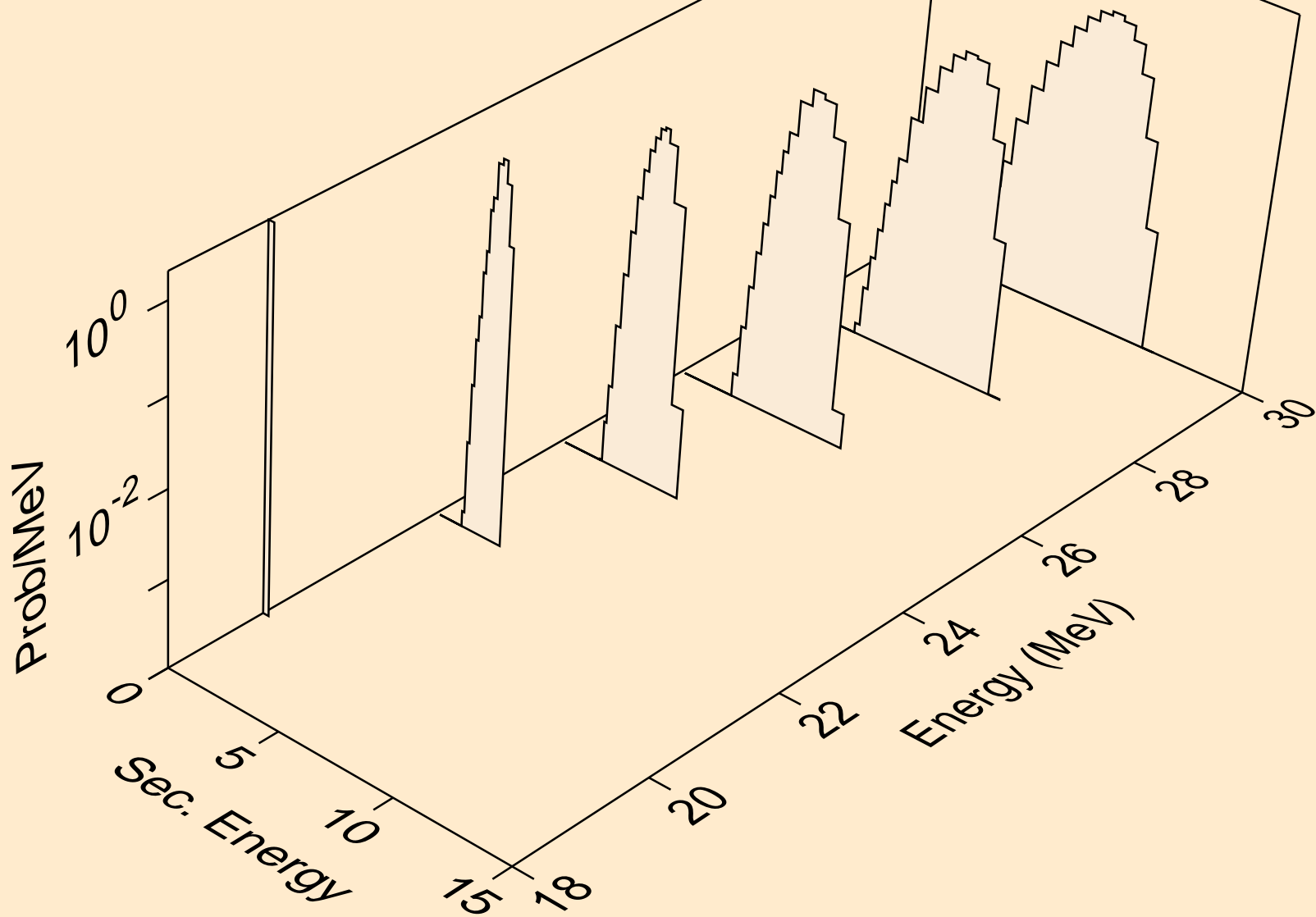
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protons from (n,n\*)p



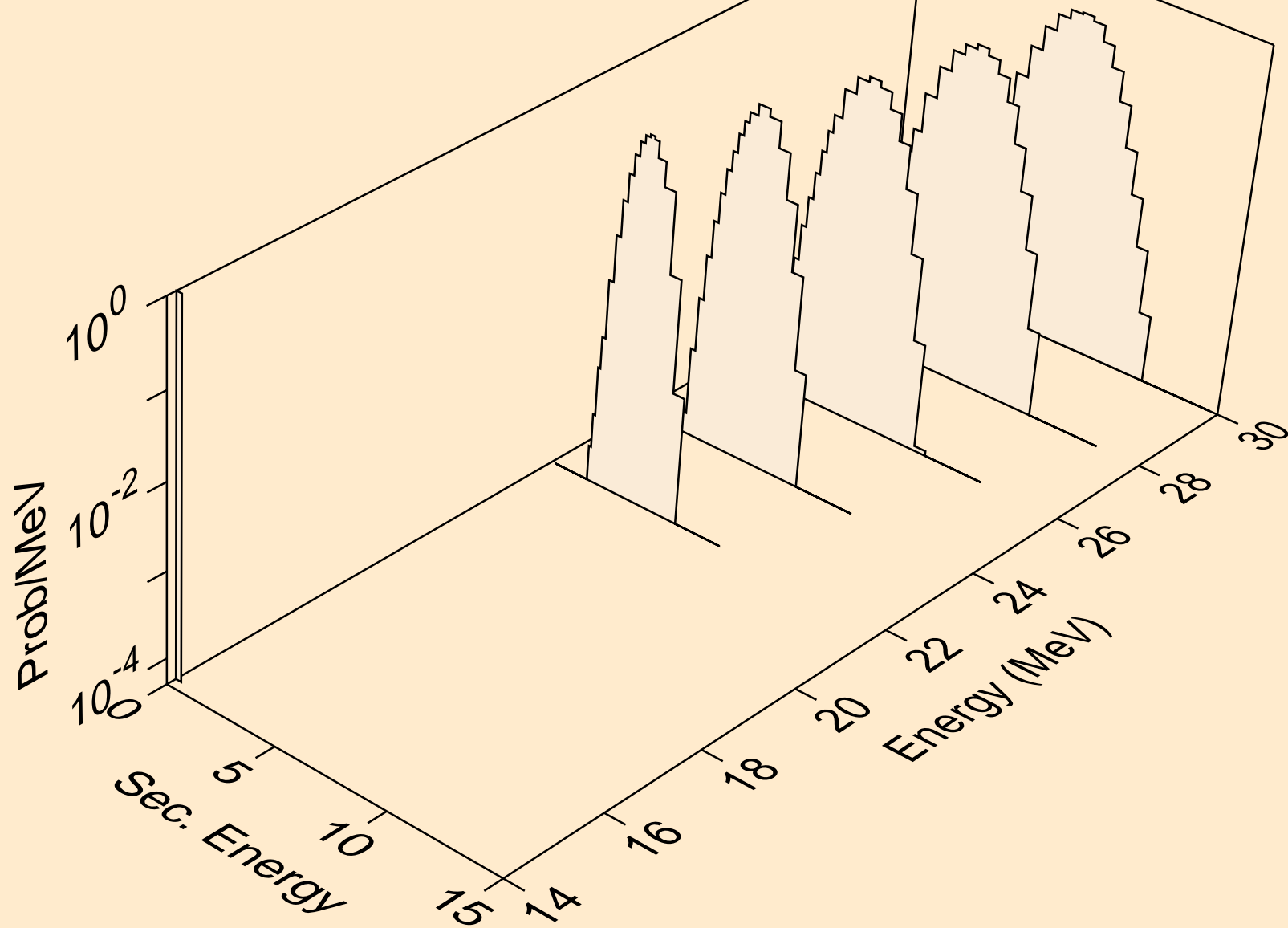
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protons from (n,2np)



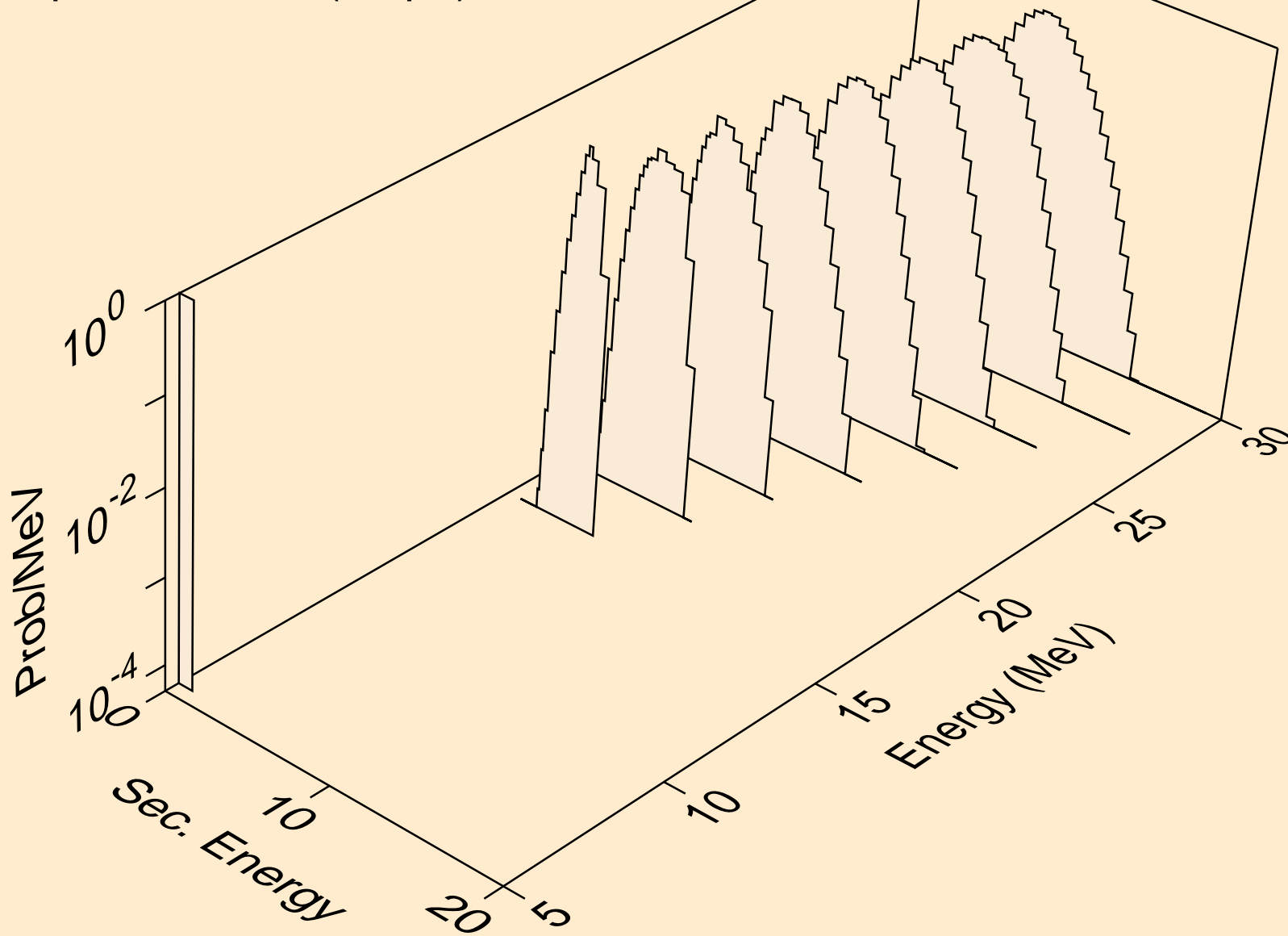
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protons from (n,3np)



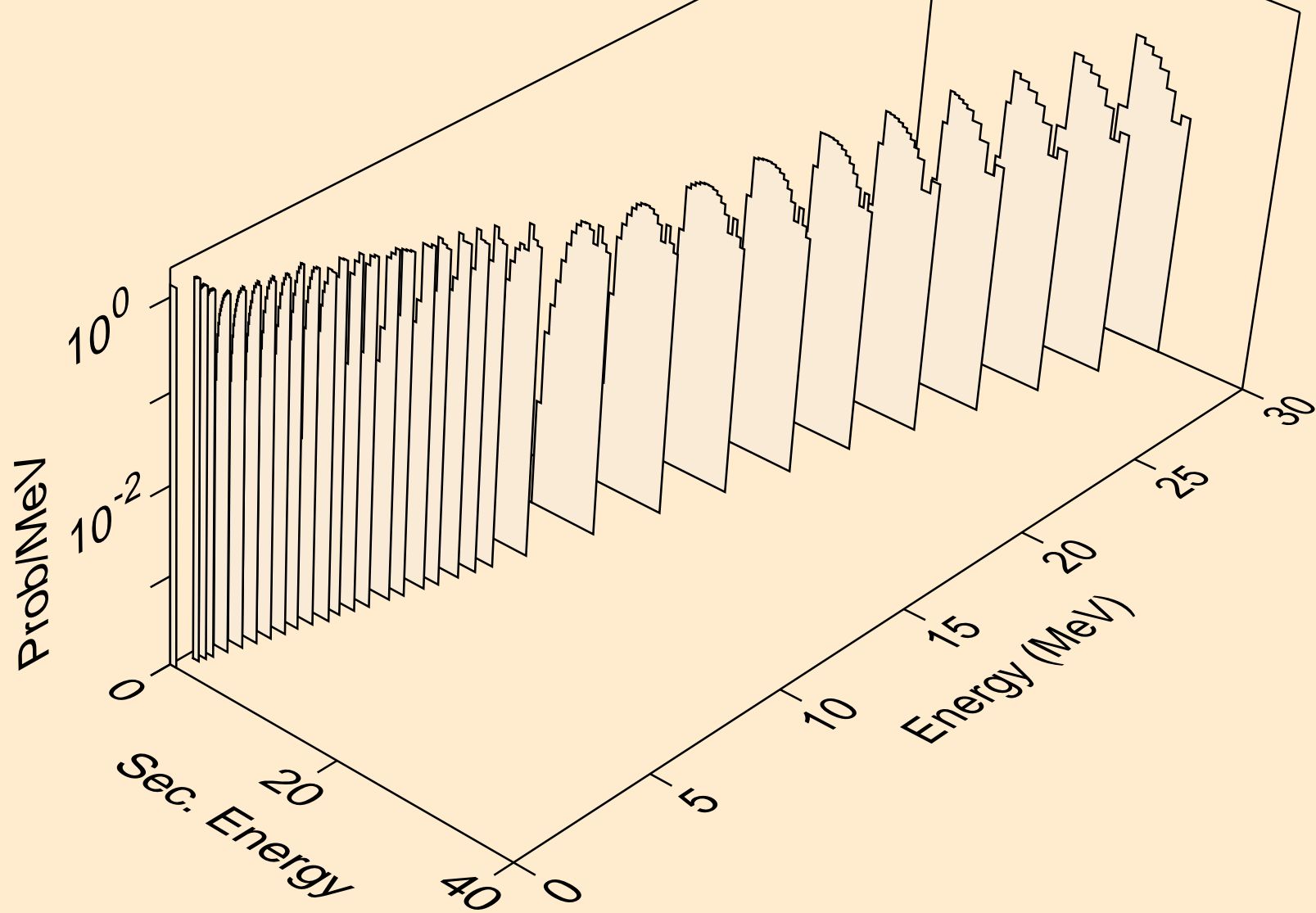
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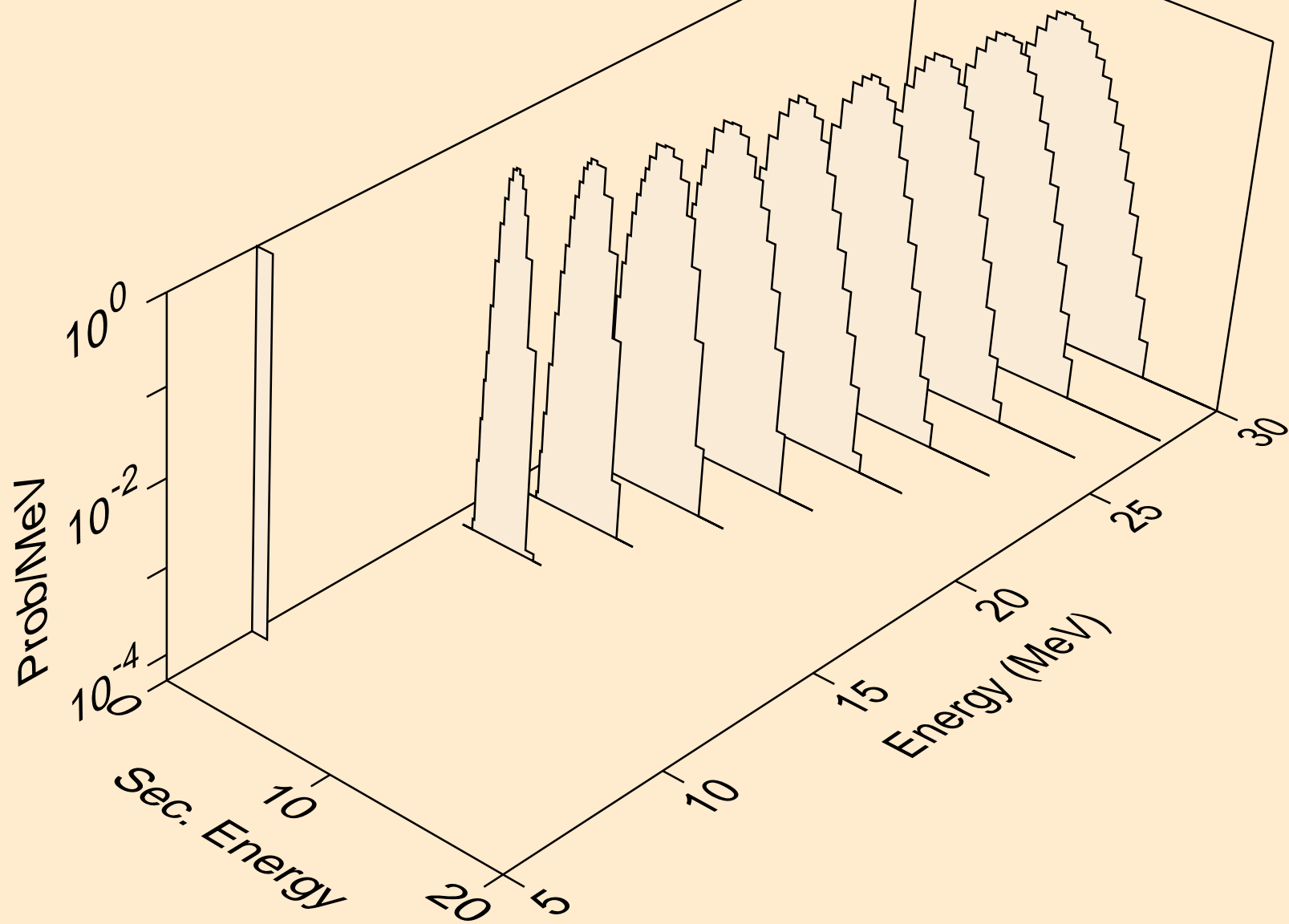
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protons from (n,npa)



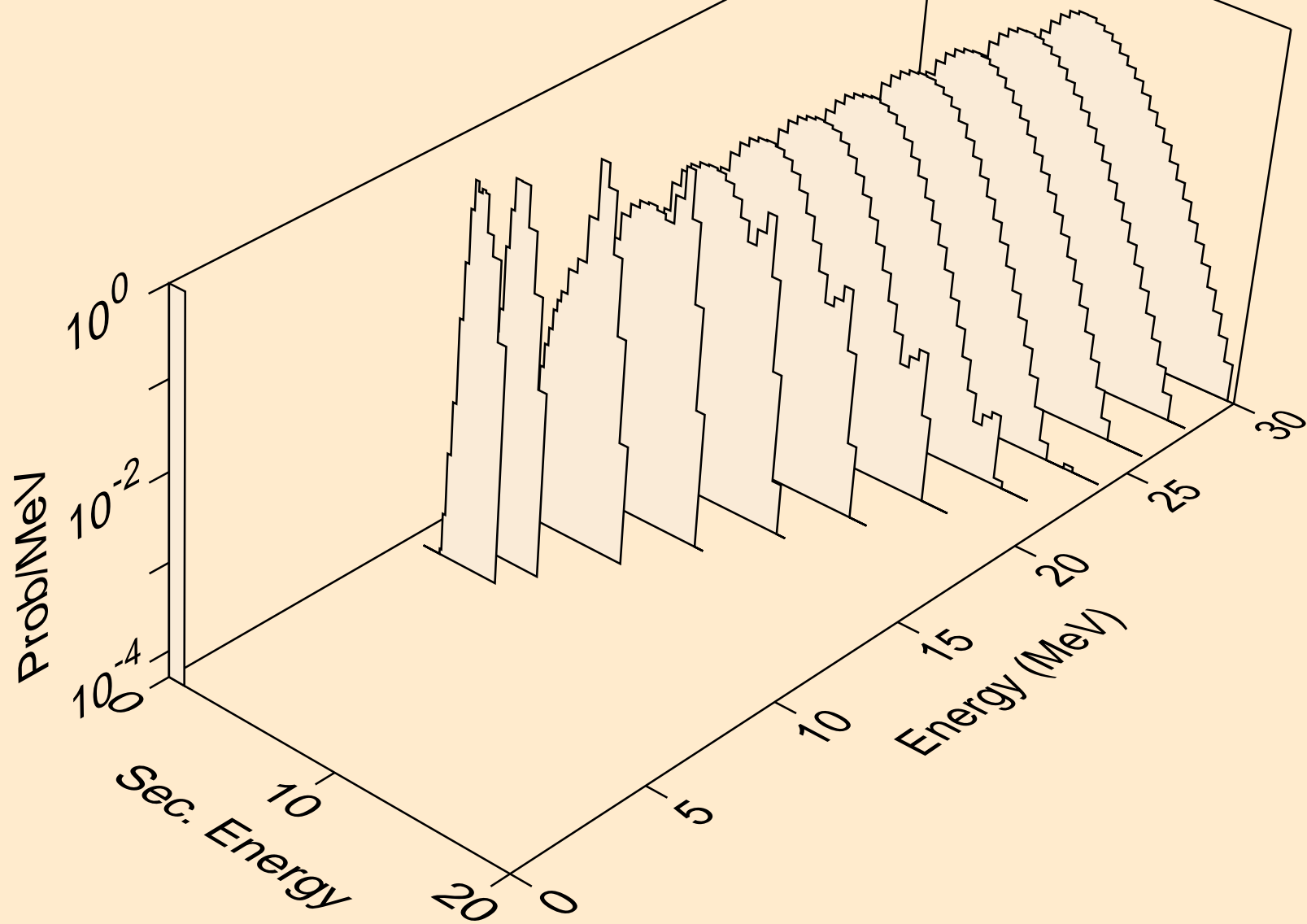
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protons from (n,p)



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protons from (n,2p)

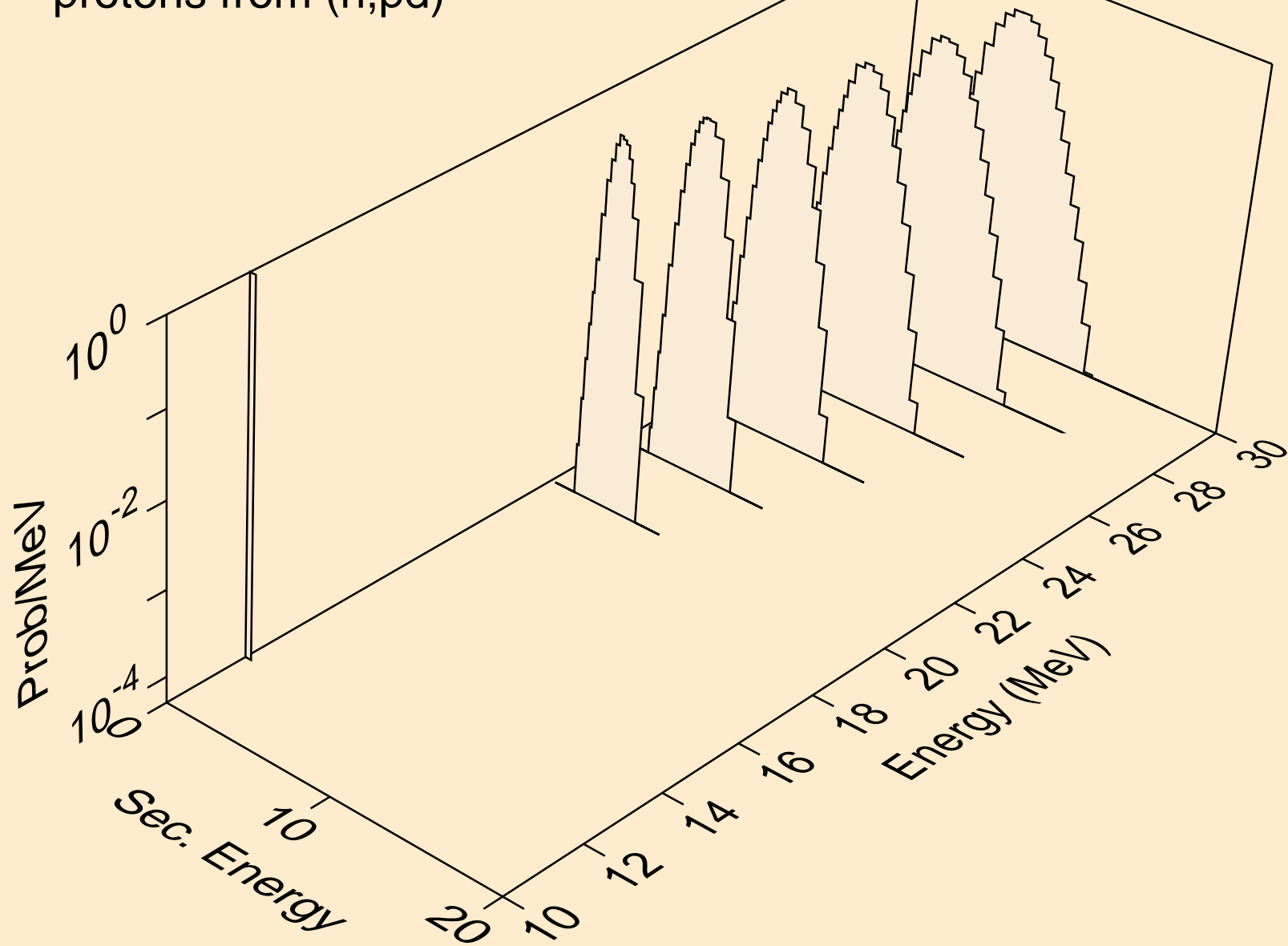


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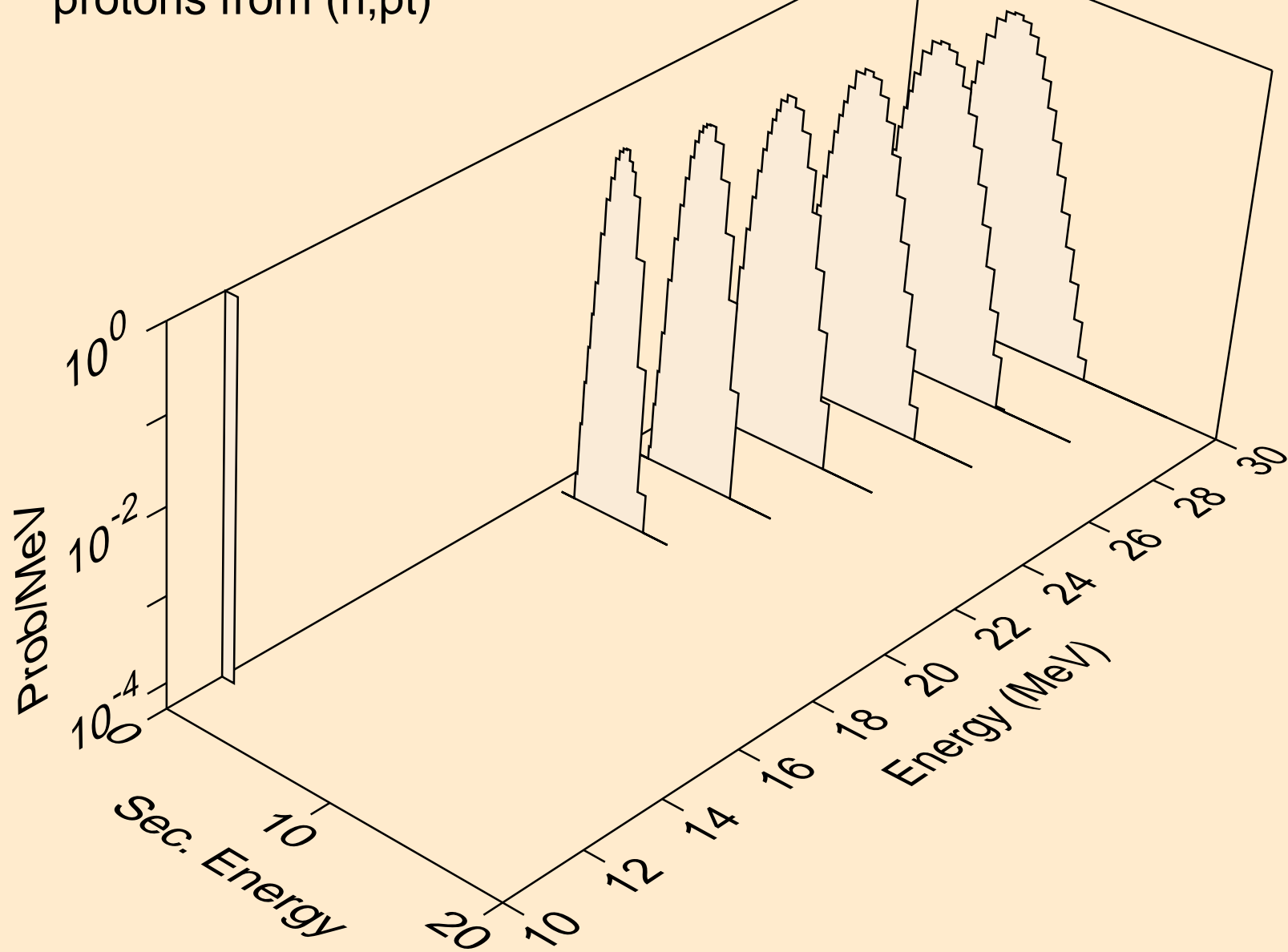




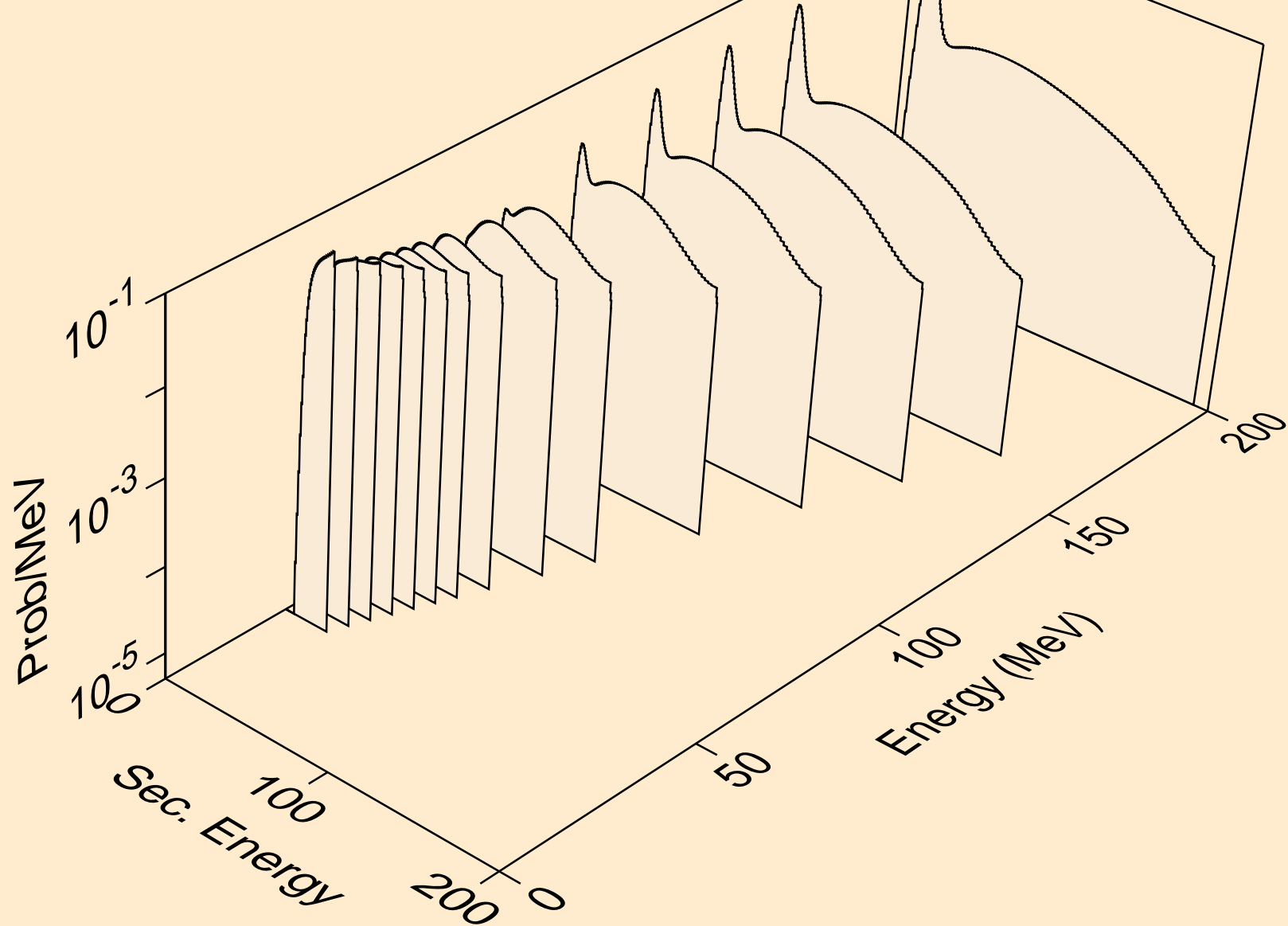
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protons from (n,pd)



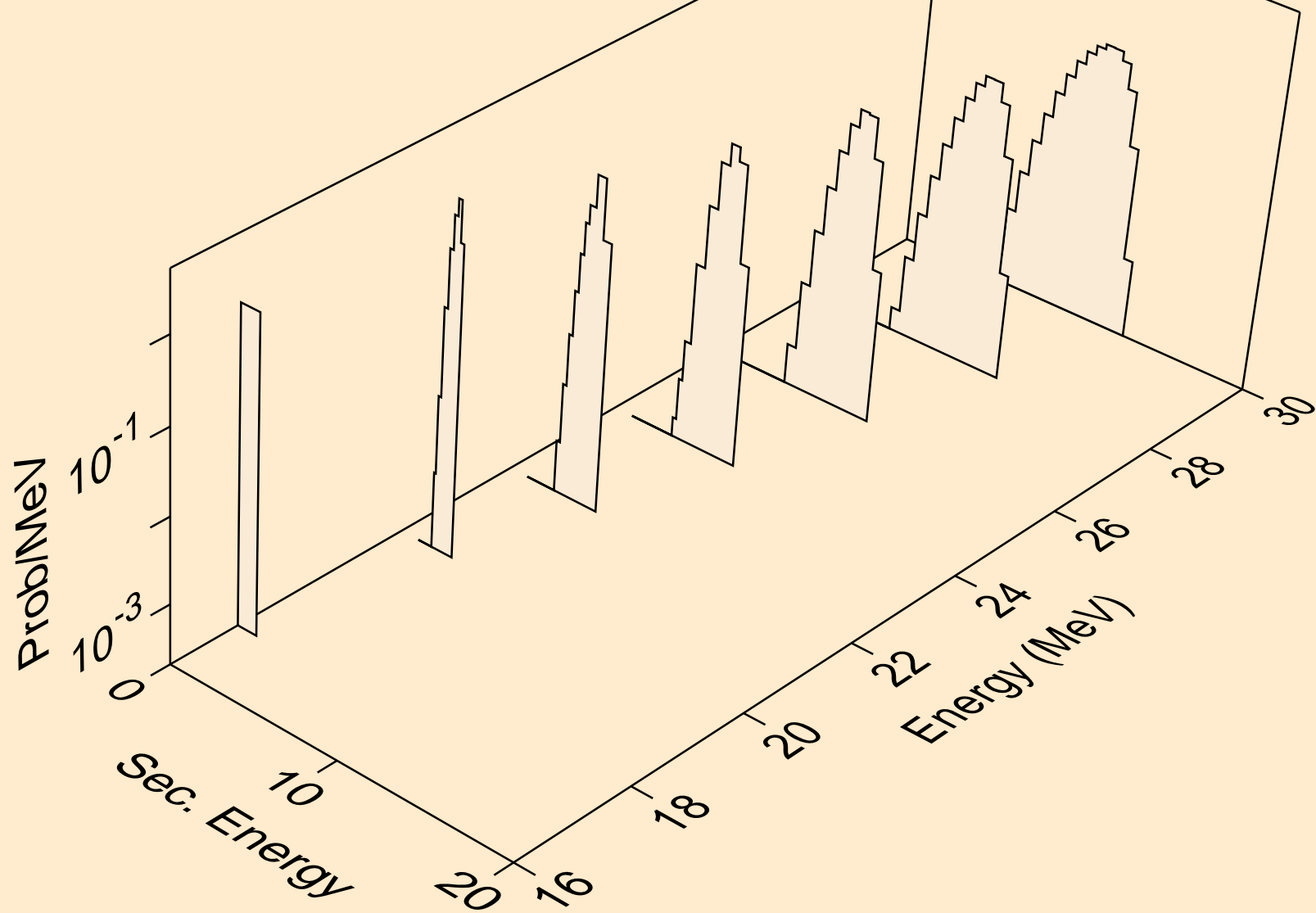
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protons from (n,pt)



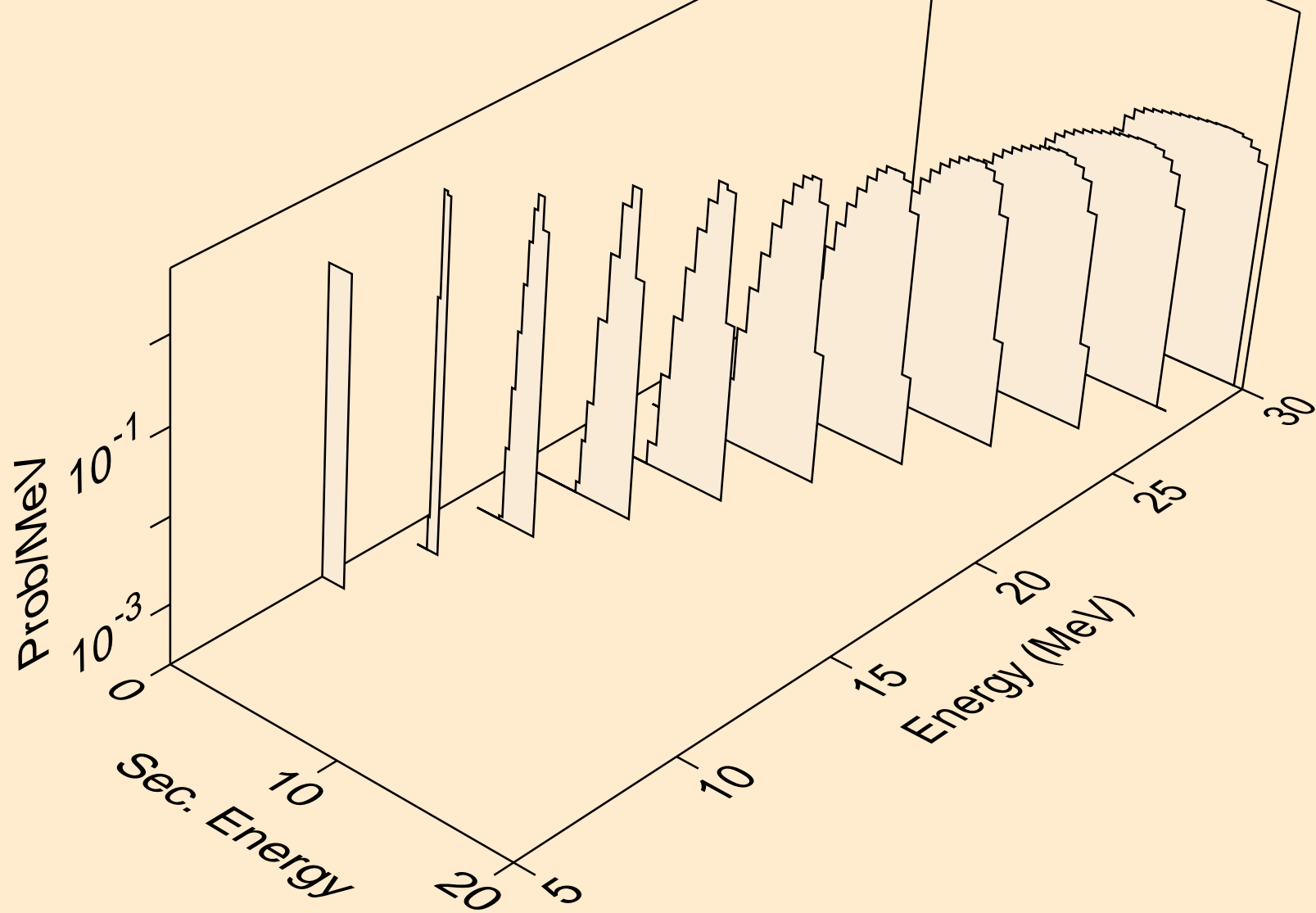
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deuterons from (n,x)



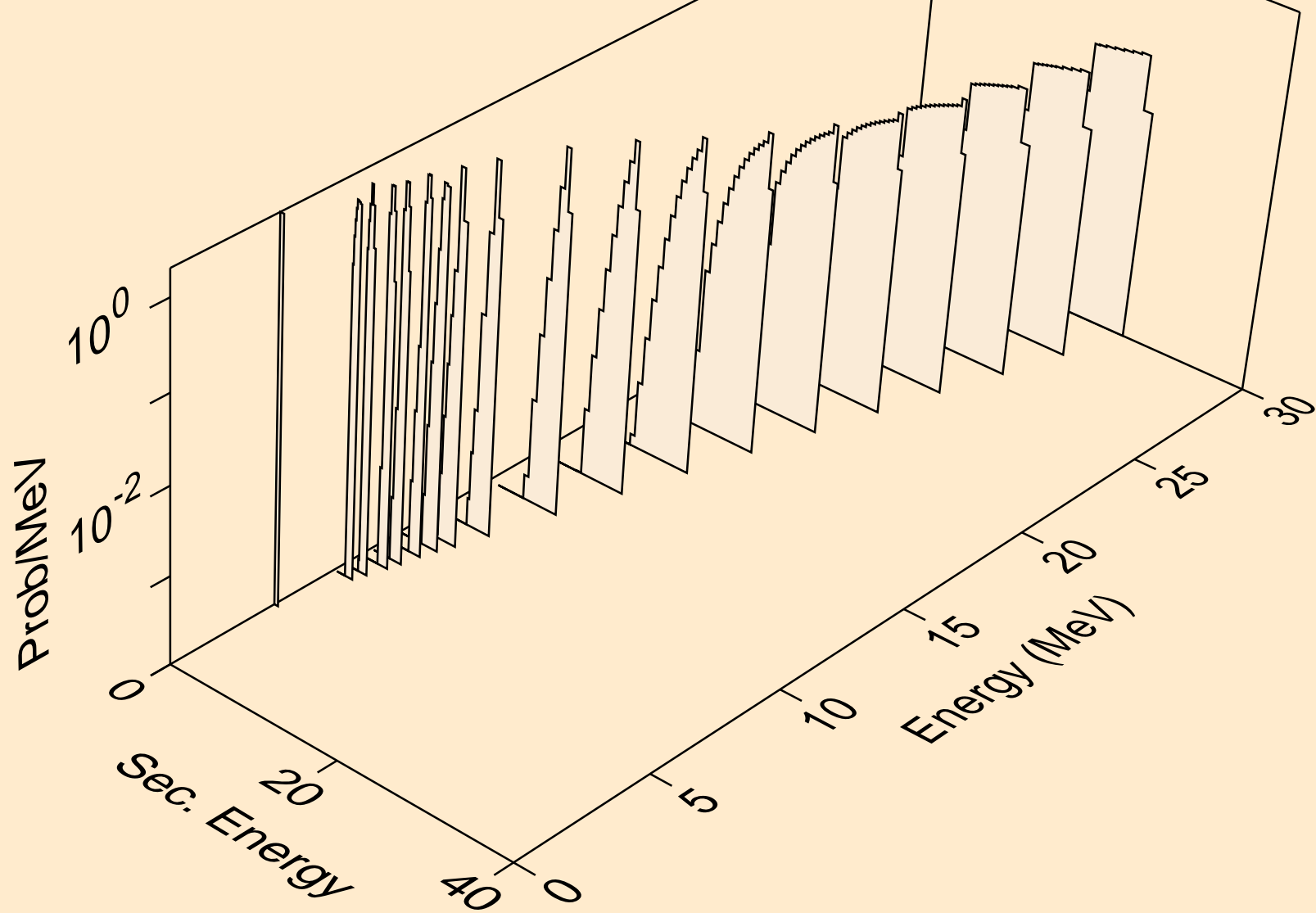
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deuterons from (n,2nd)



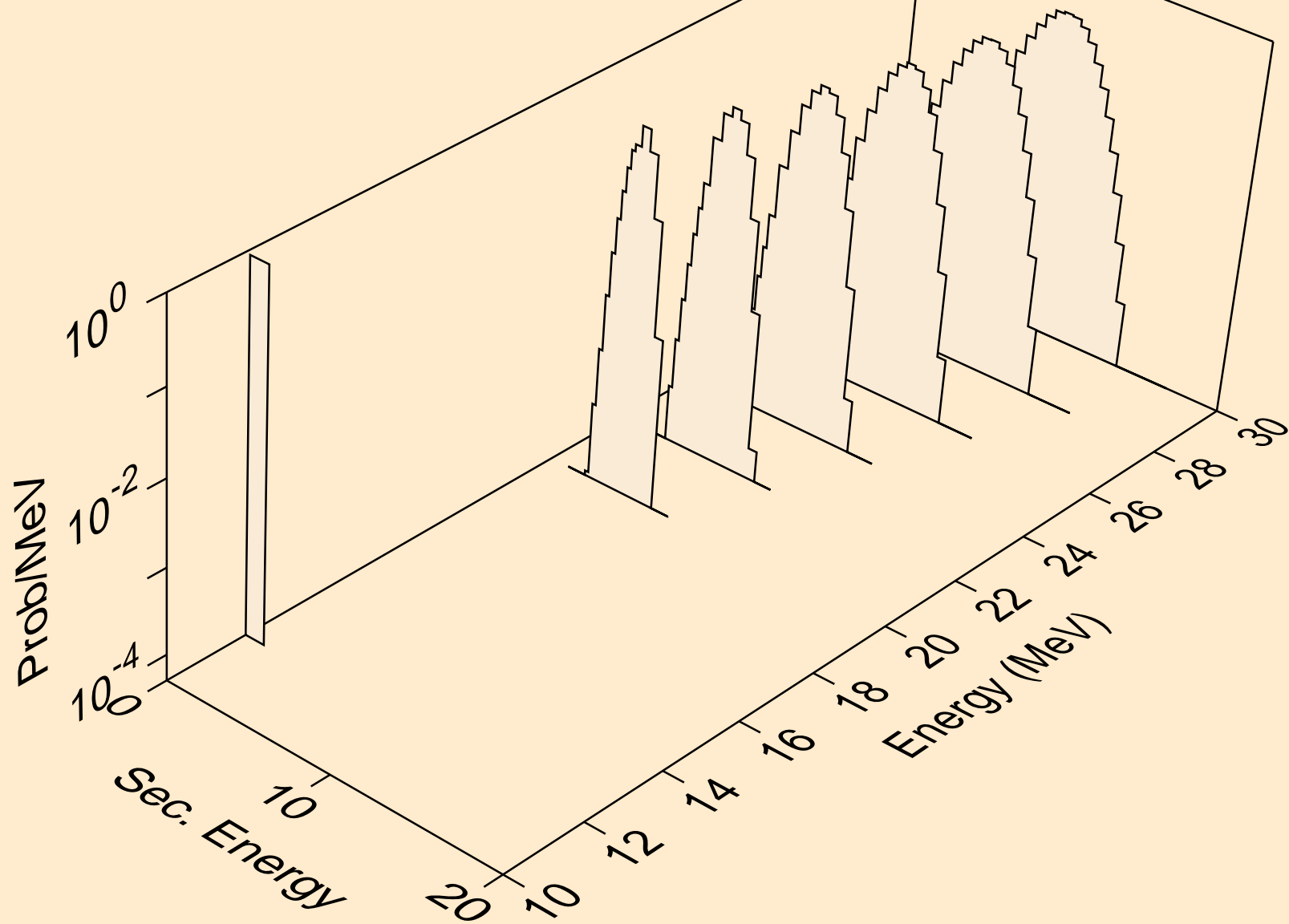
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deuterons from (n,n\*)d



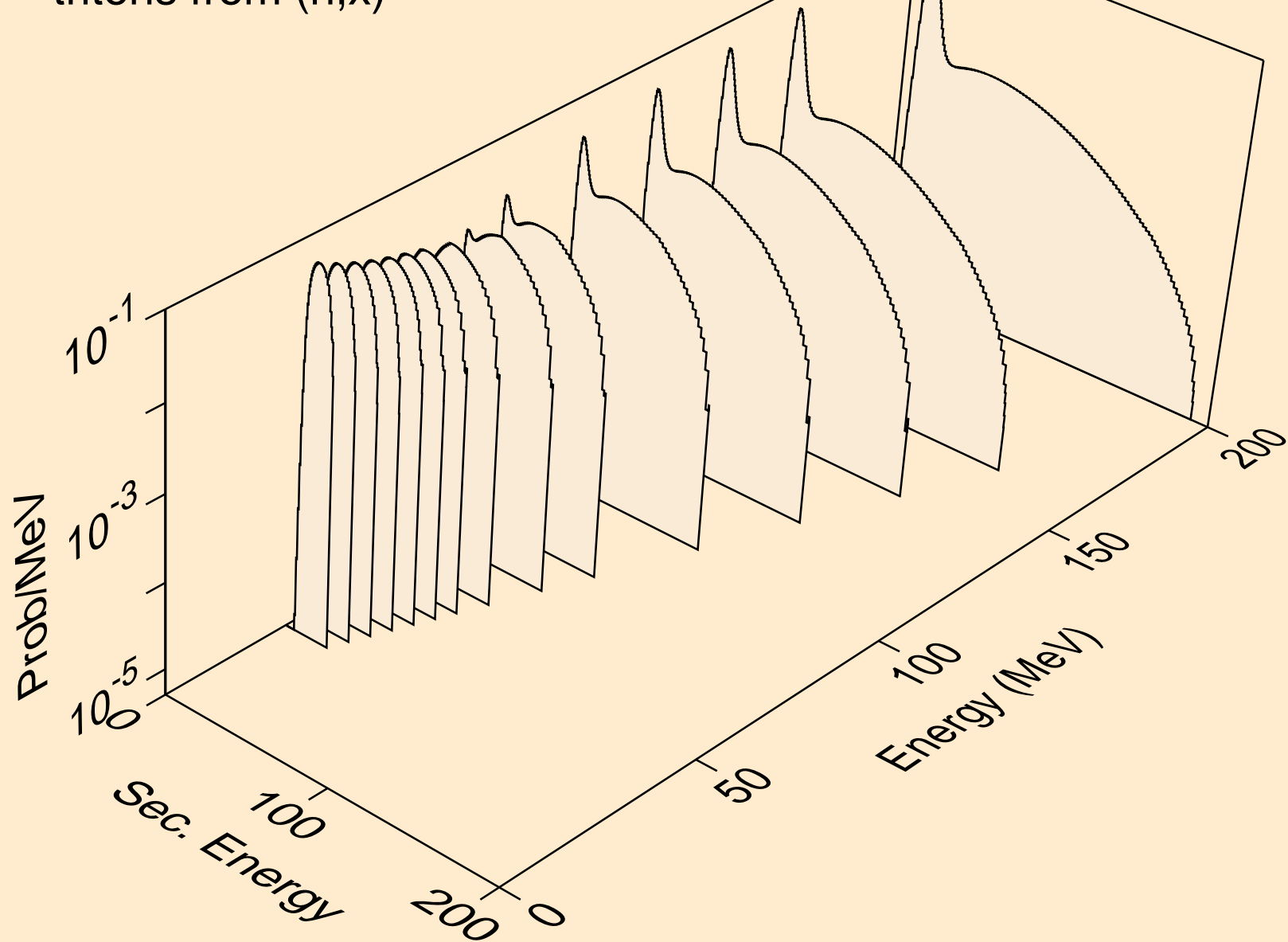
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deuterons from (n,d)



LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,pd)

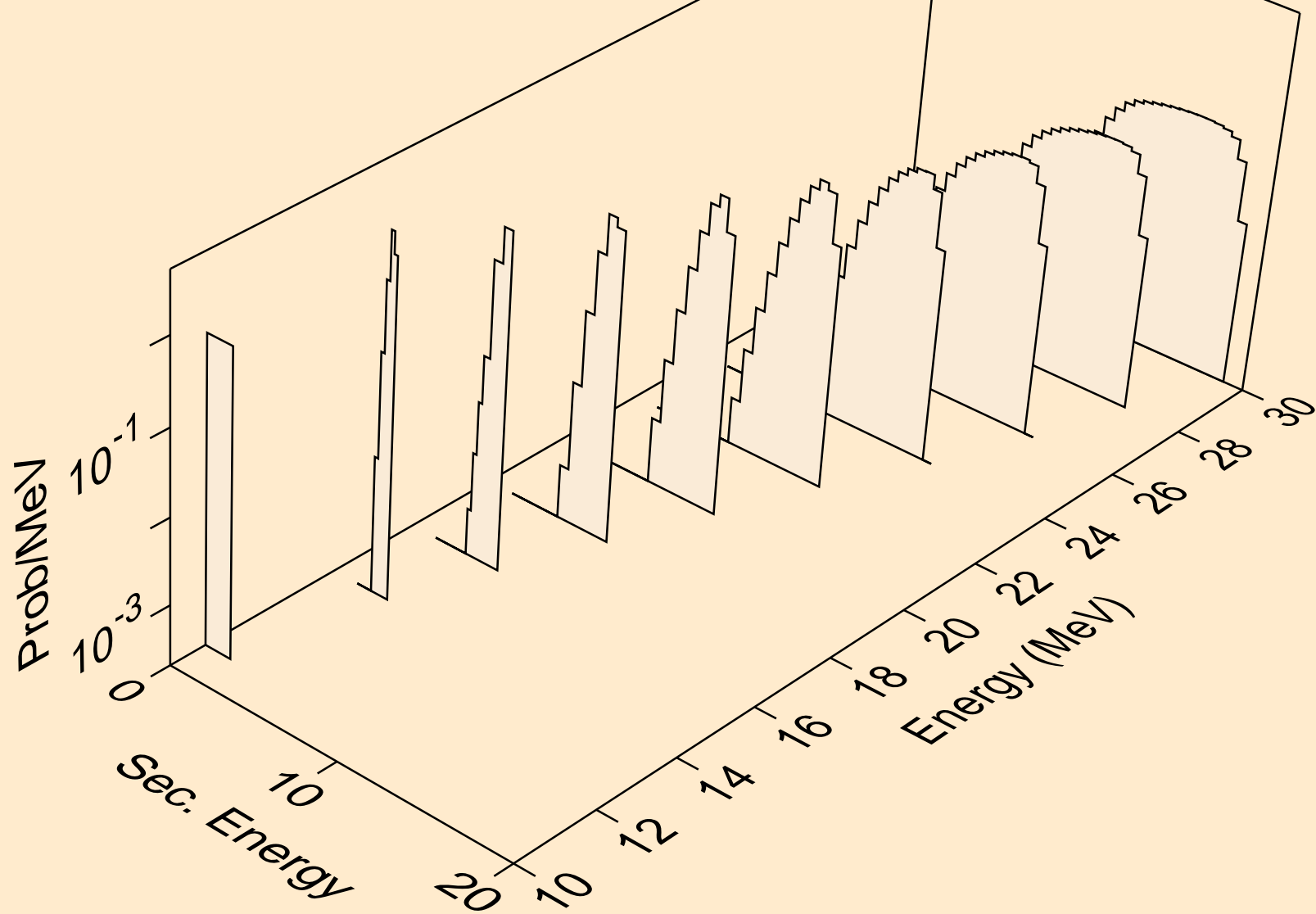


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tritons from (n,x)

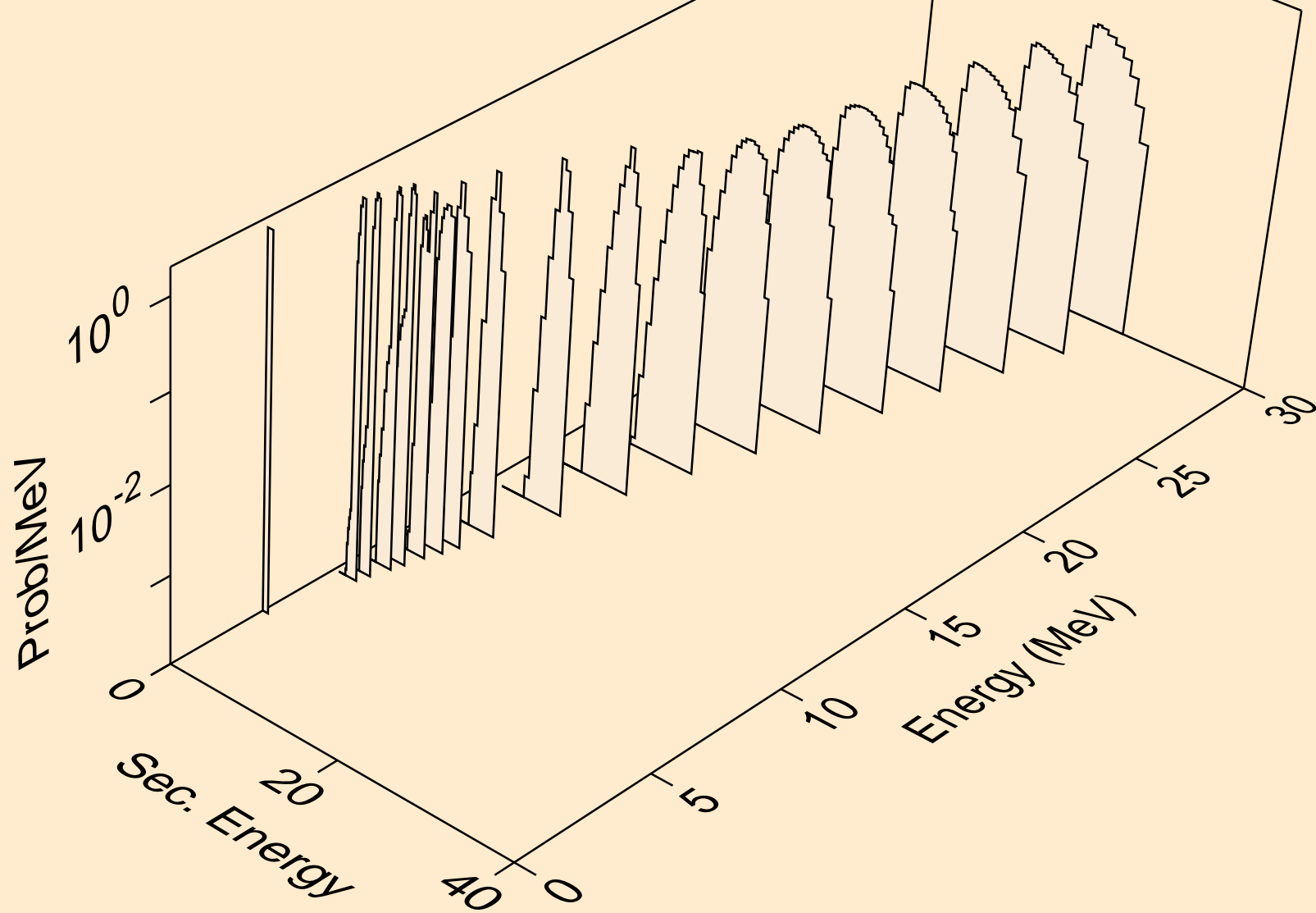




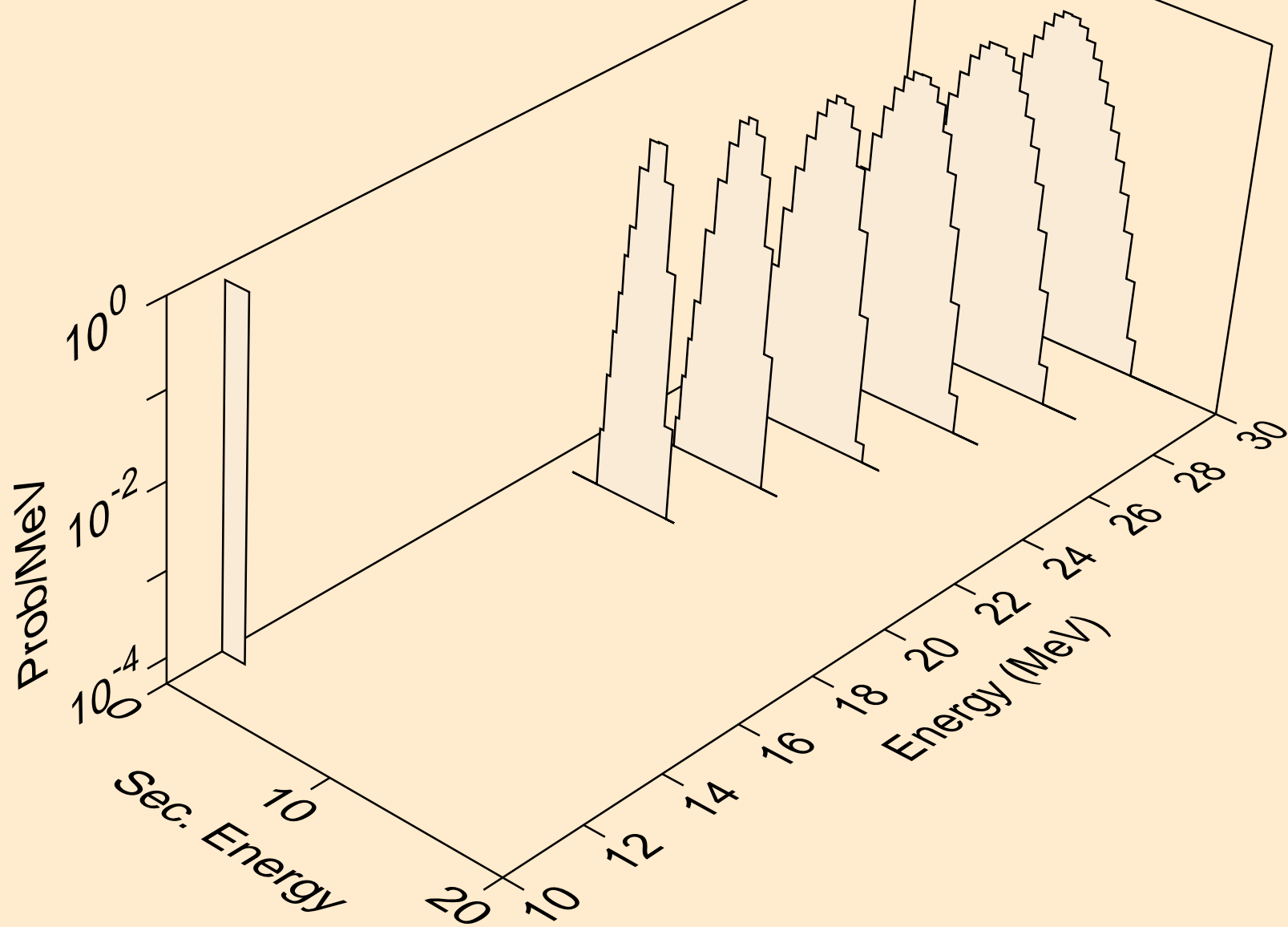
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tritons from (n,n\*)t



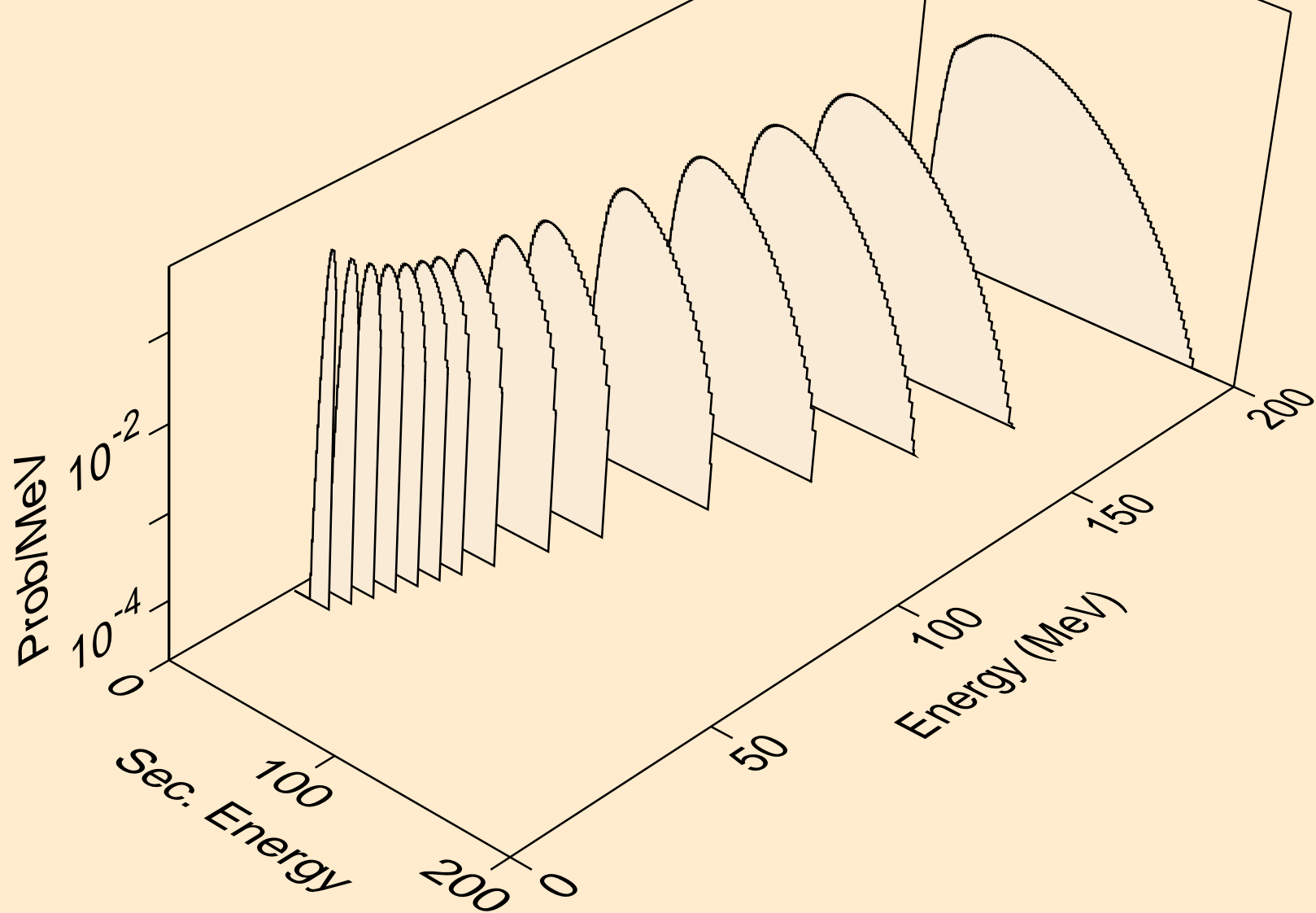
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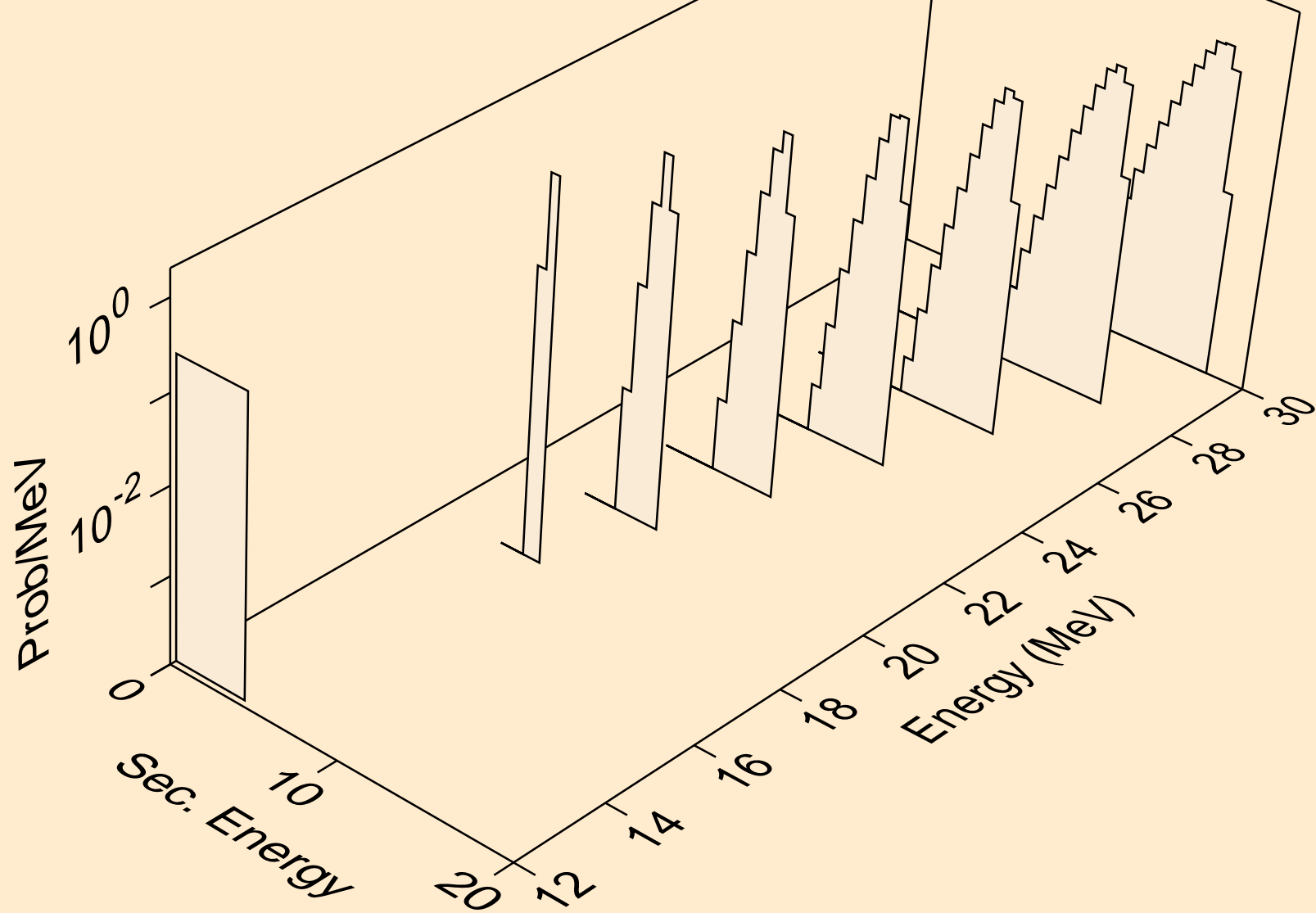
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tritons from (n,pt)



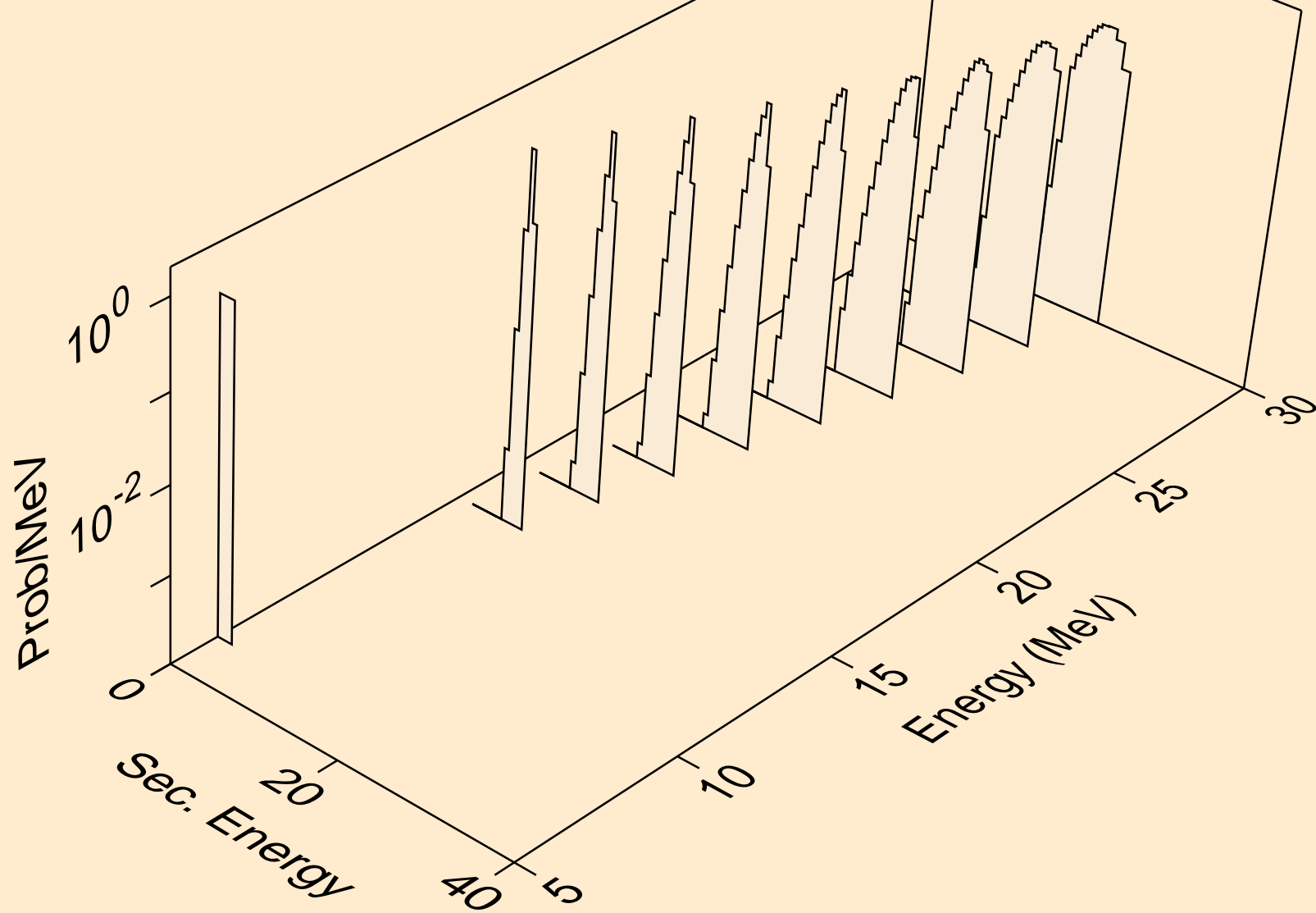
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he3s from (n,x)



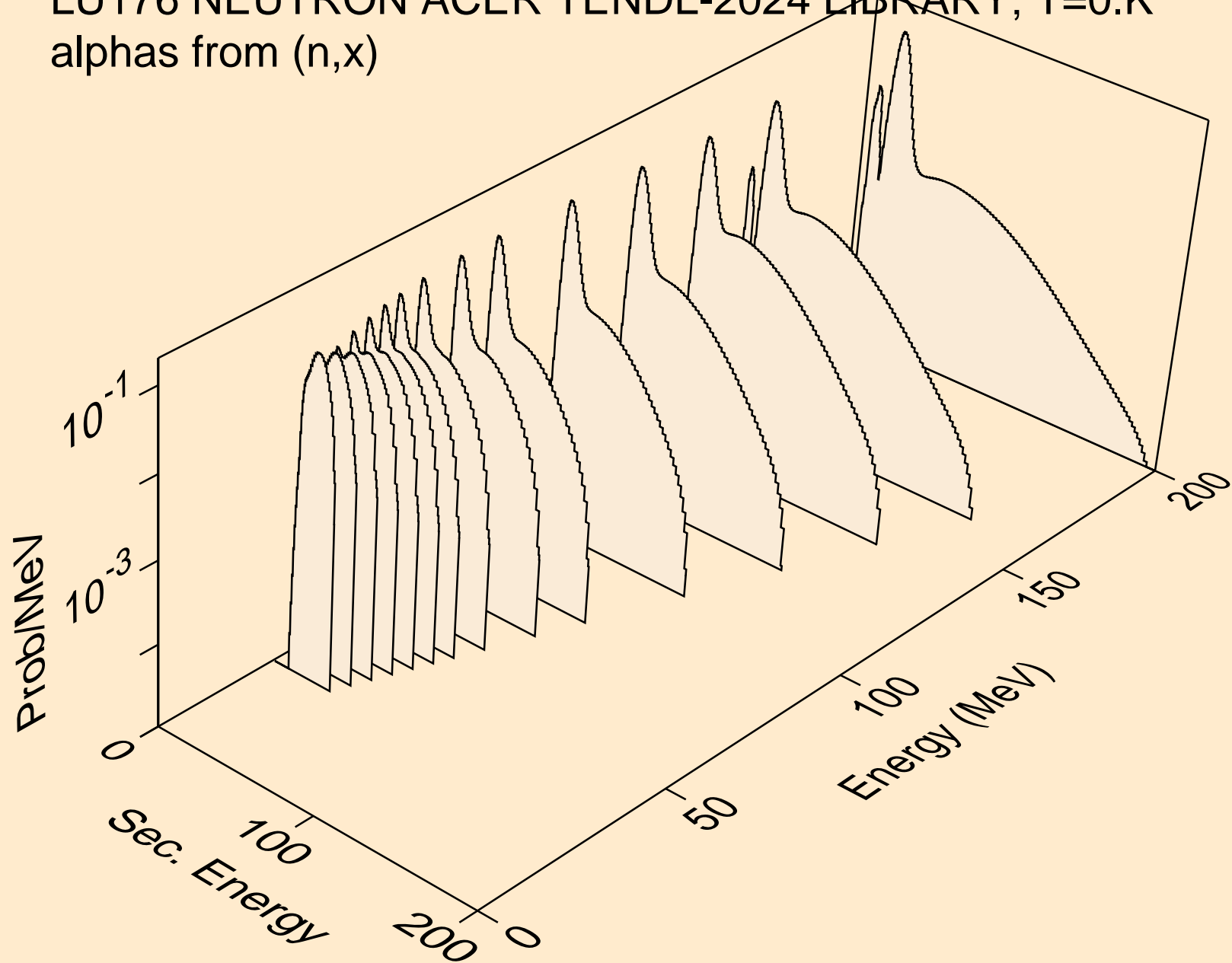
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he3s from (n,n\*)he3



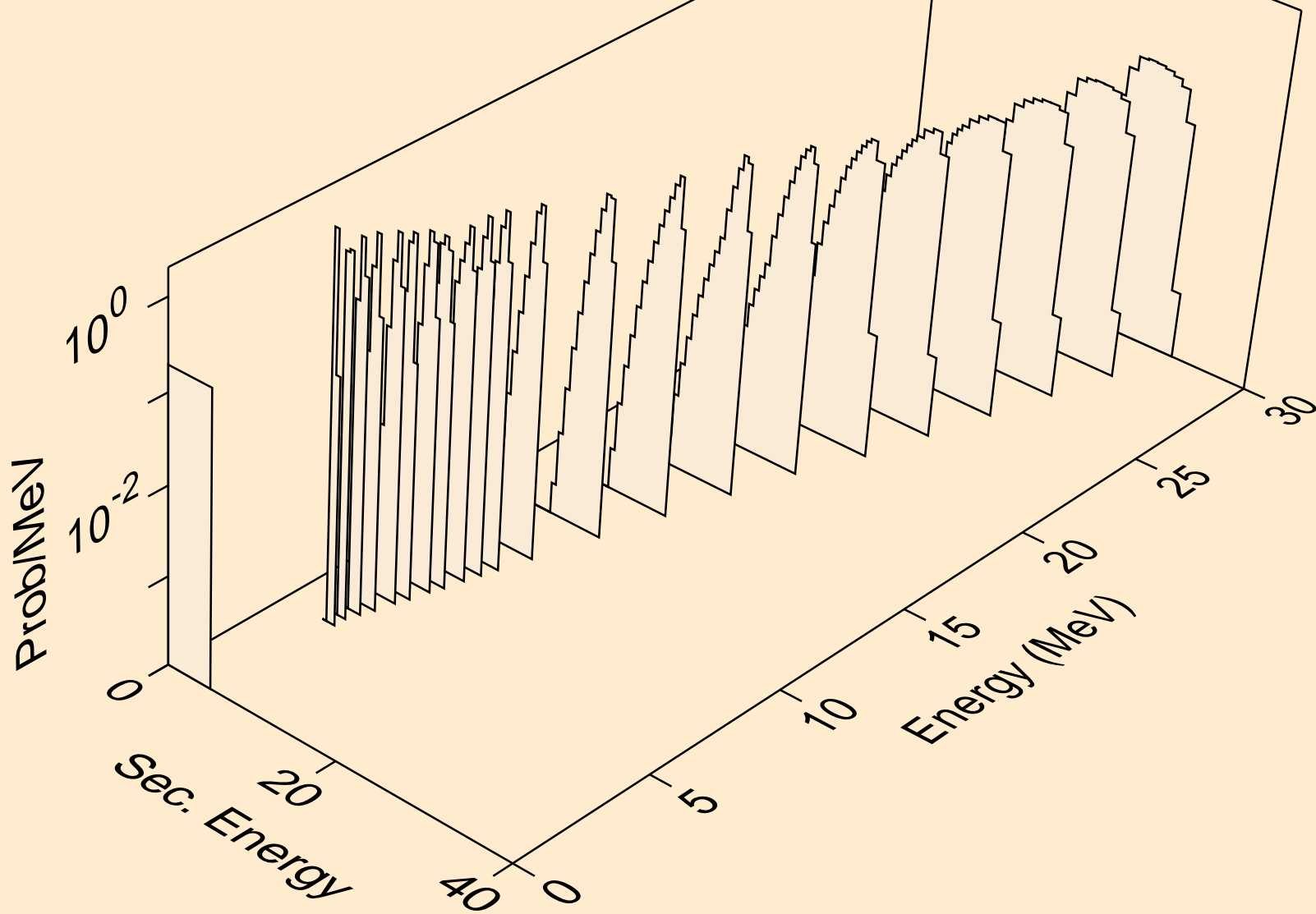
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)



LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)

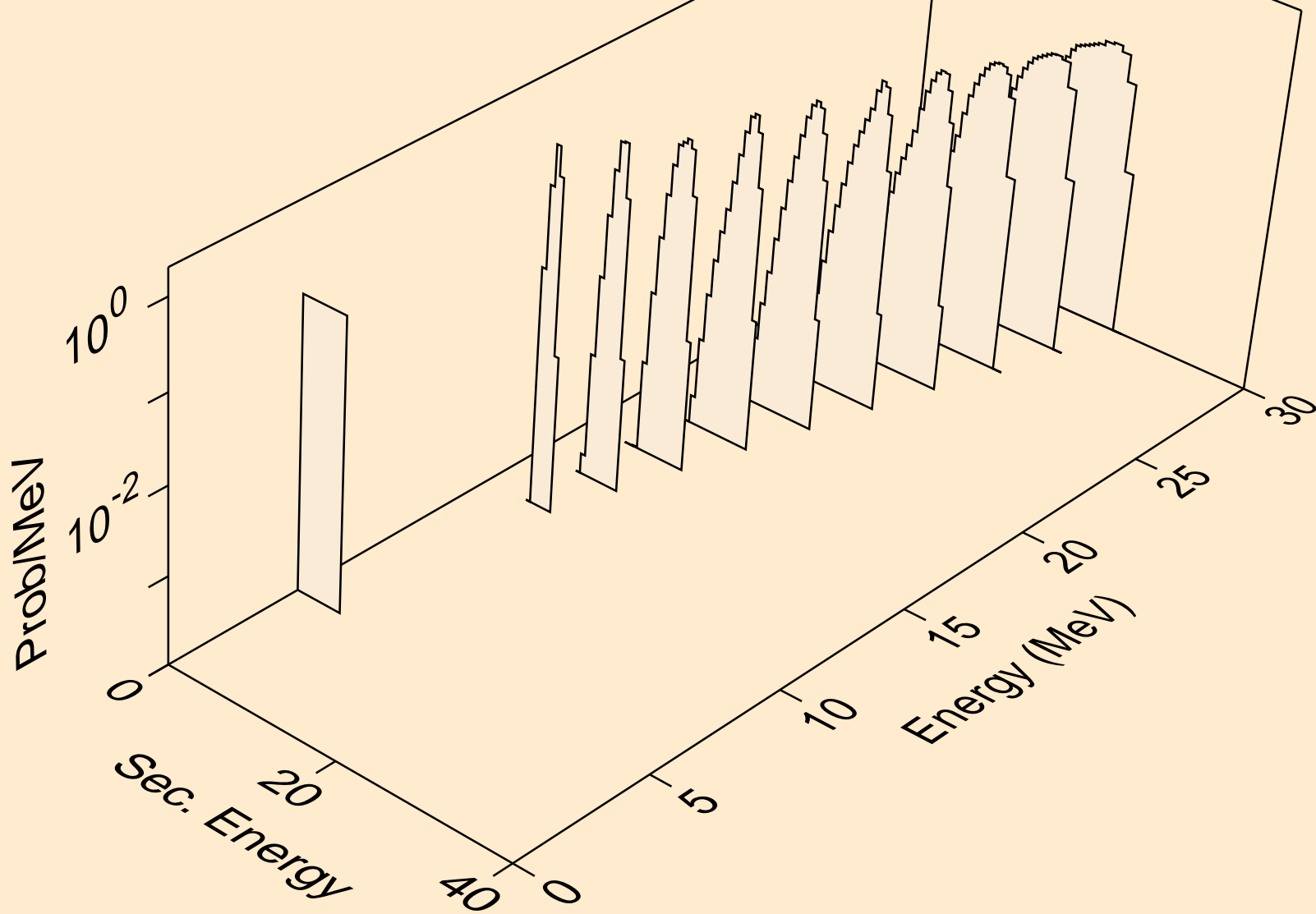


LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a

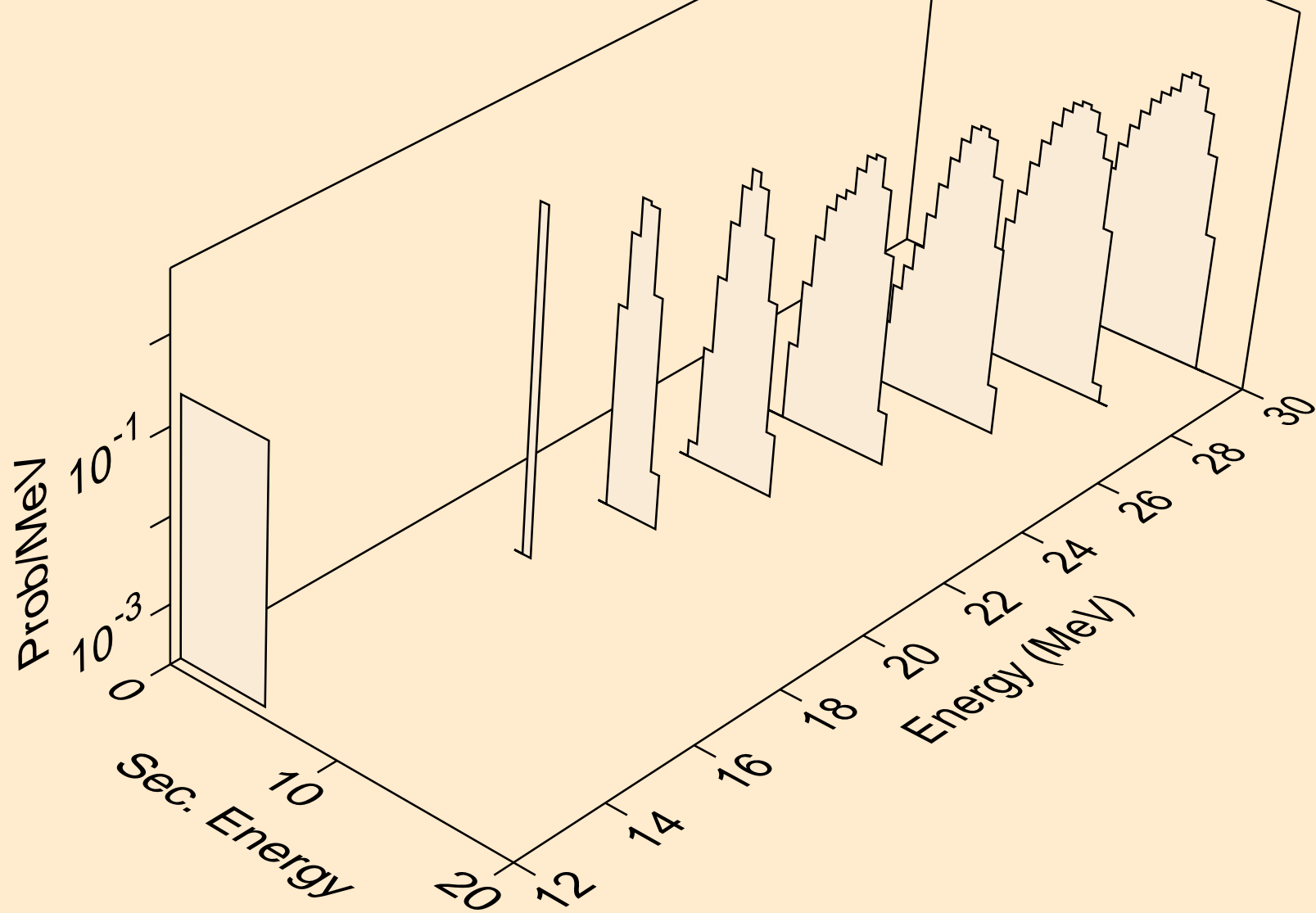




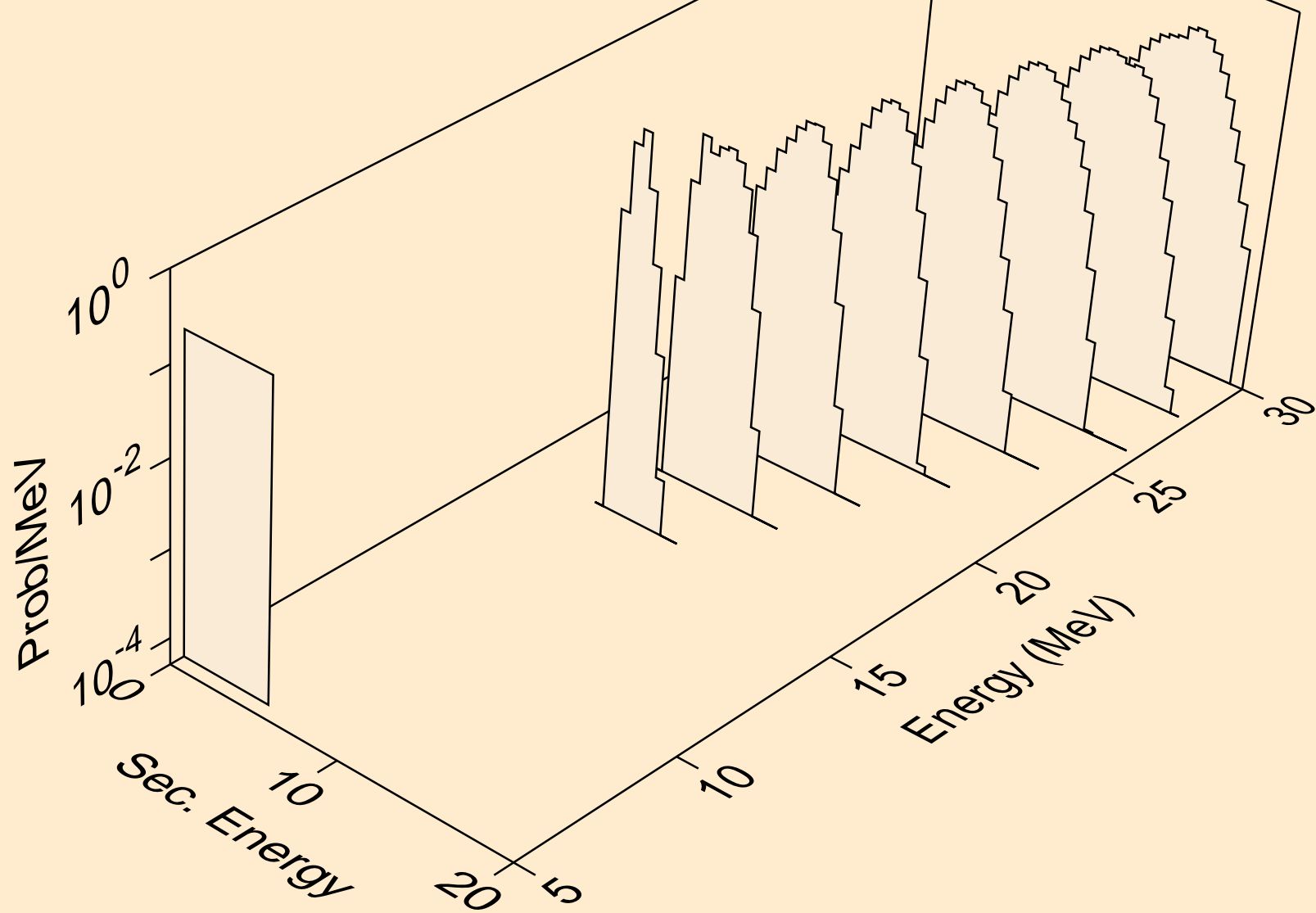
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



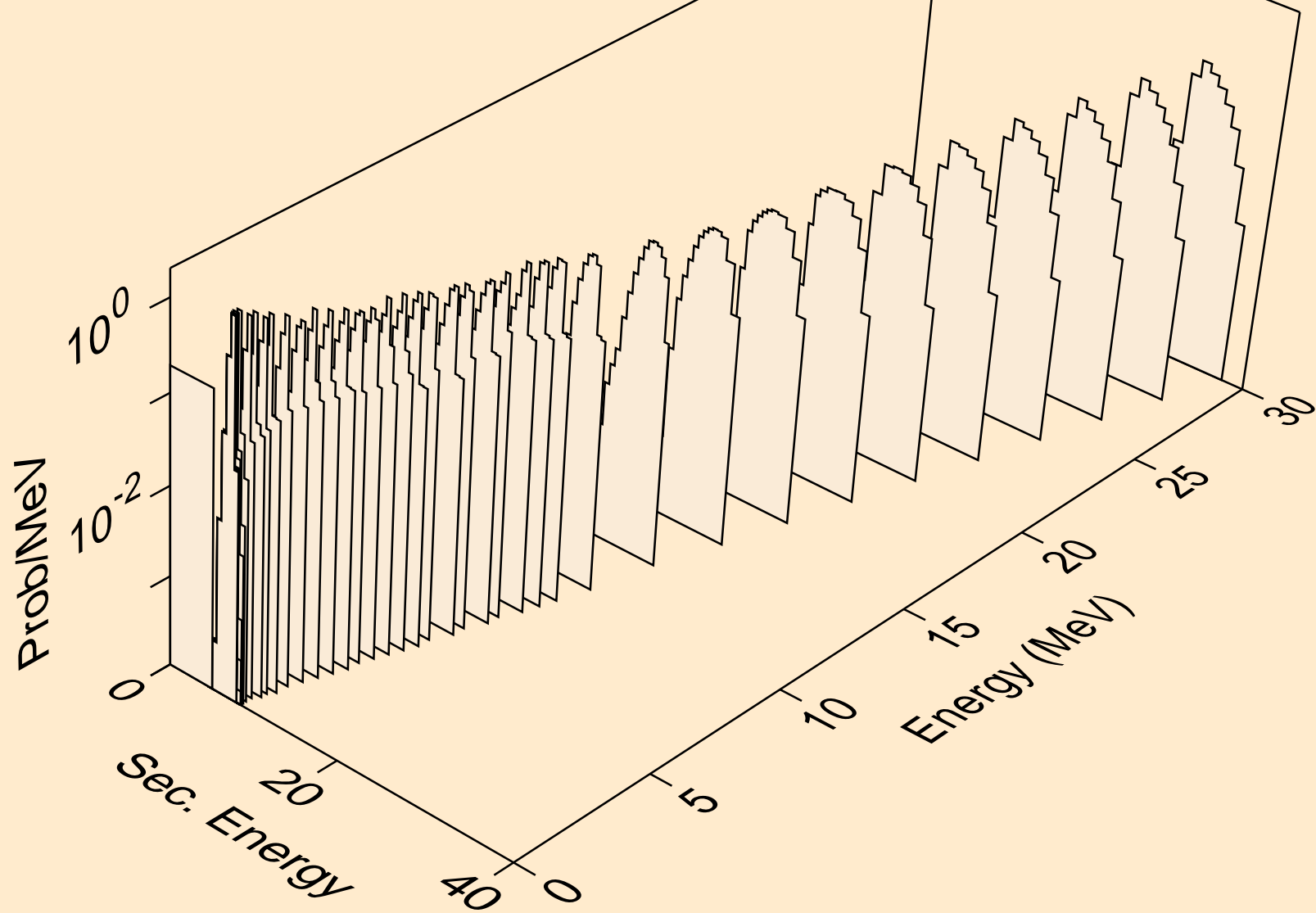
LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a



LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)



LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



LU176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)

