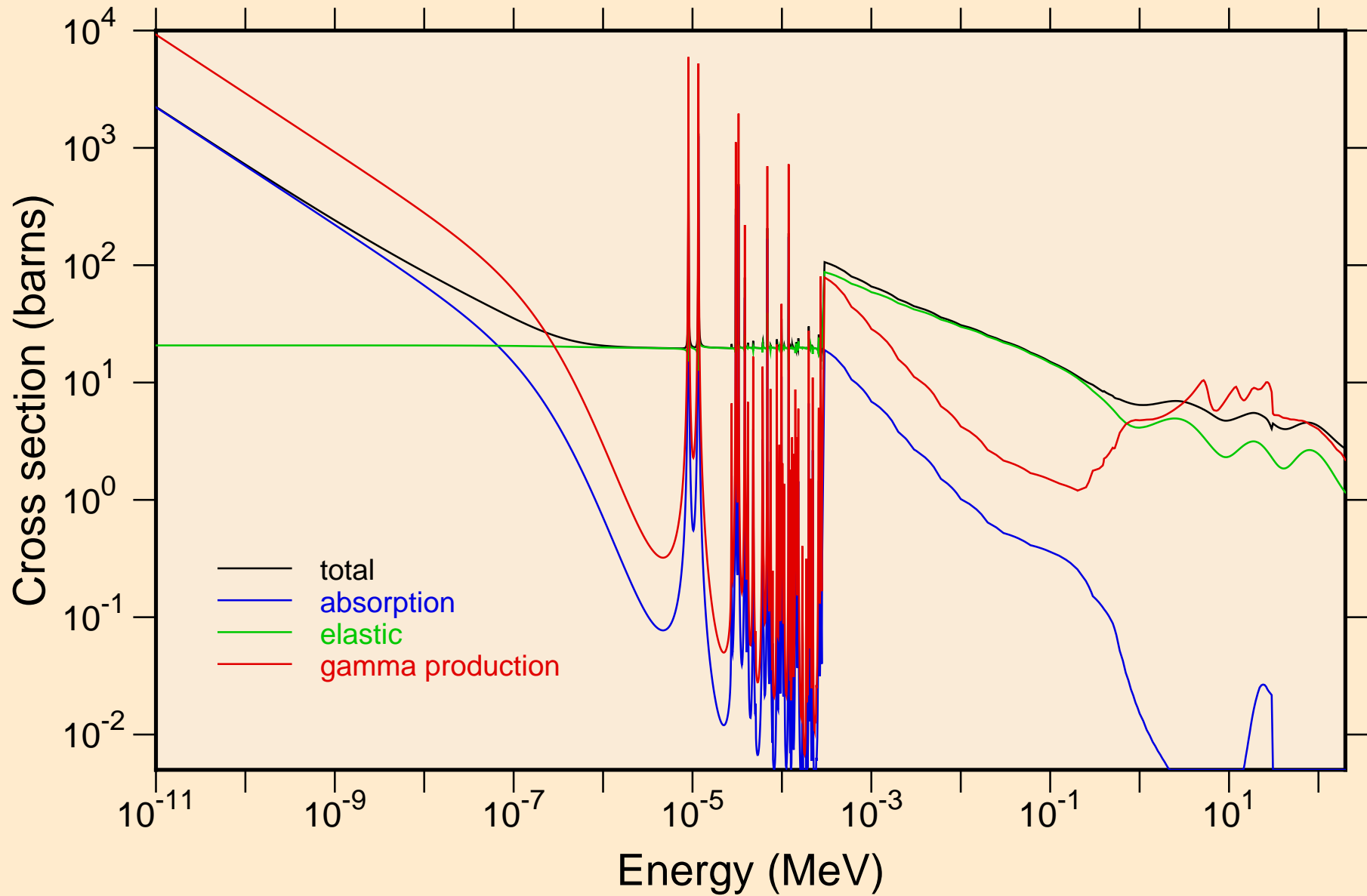
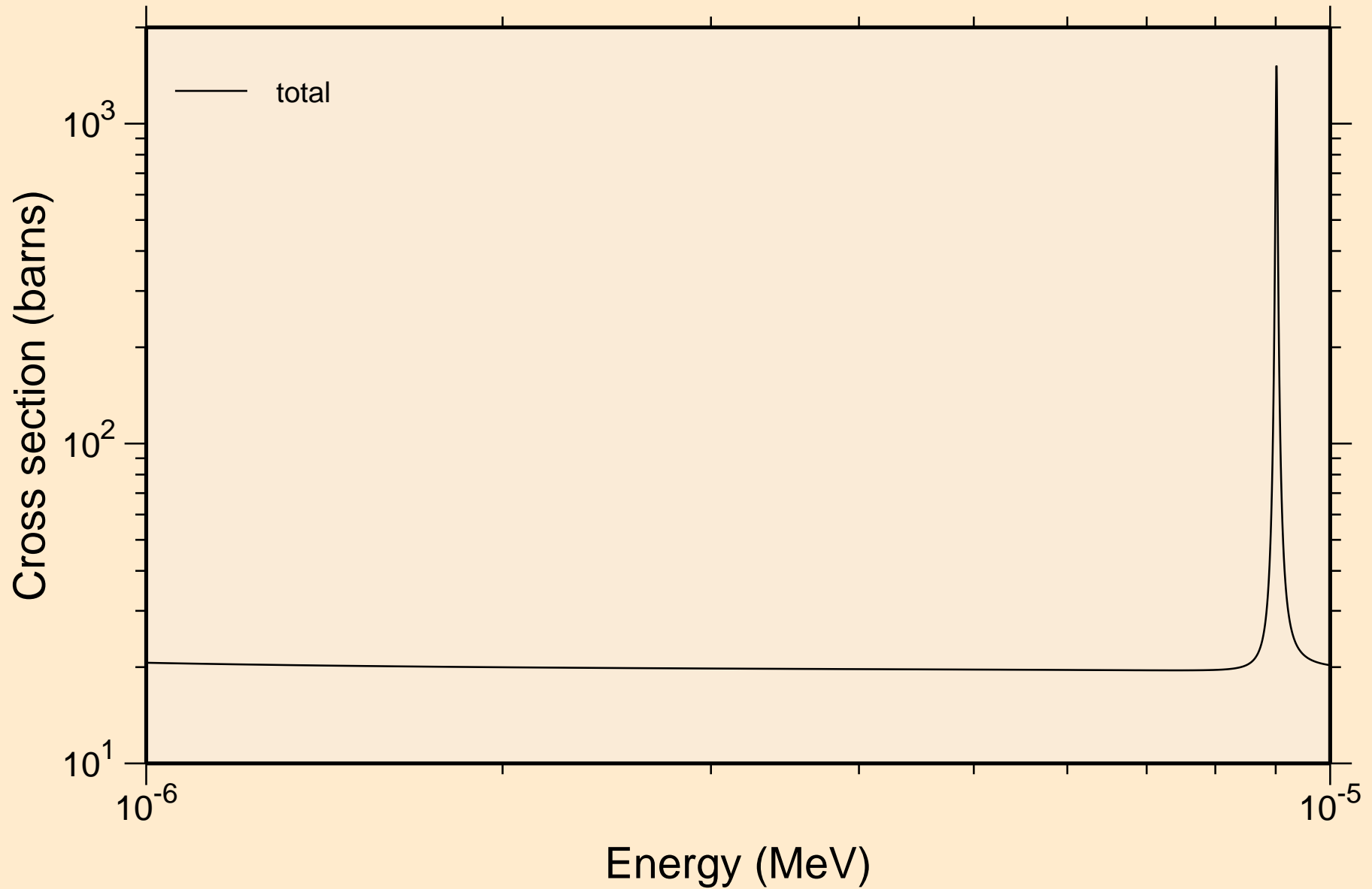


# LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

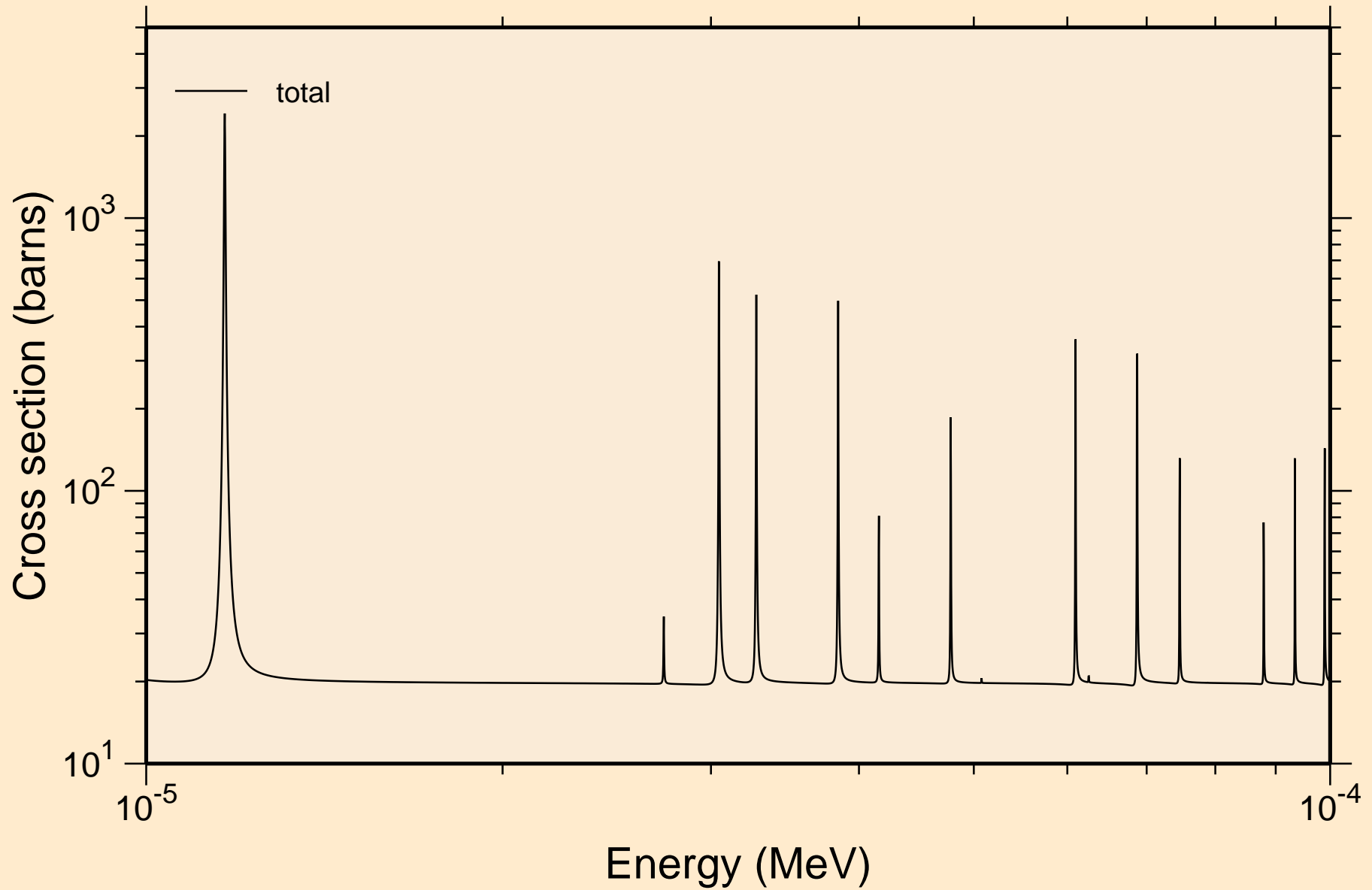
## Principal cross sections



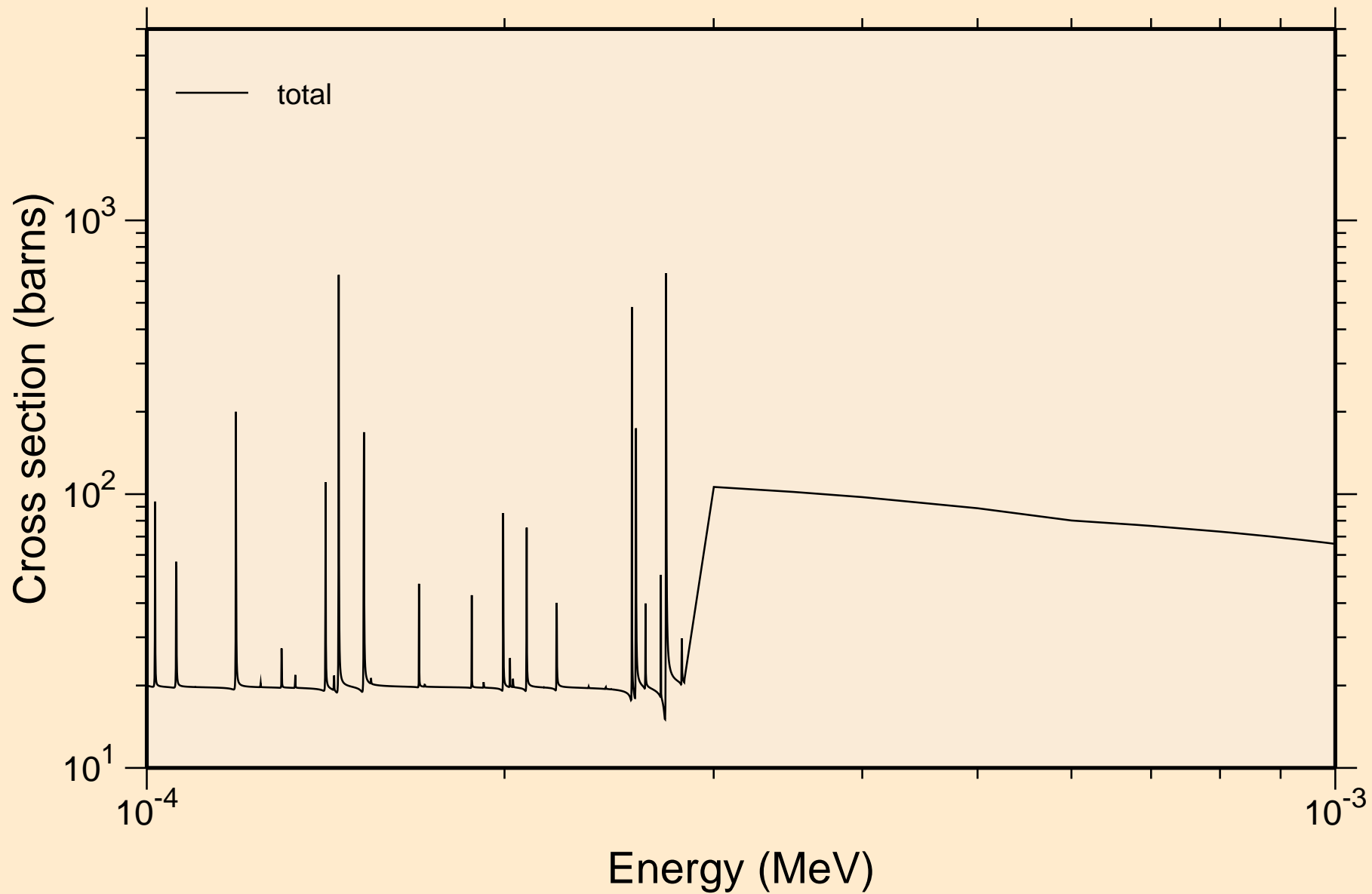
LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



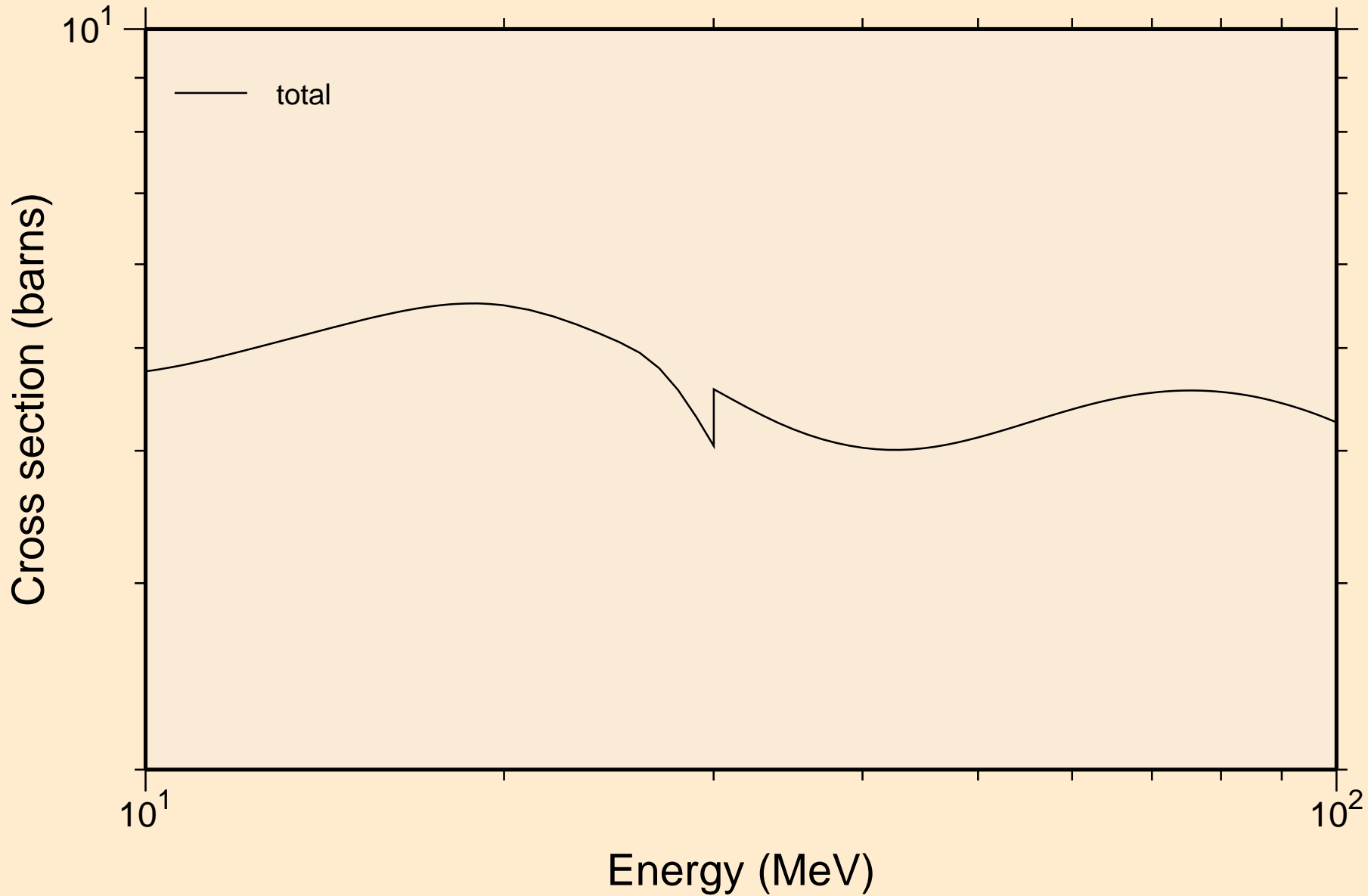
LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



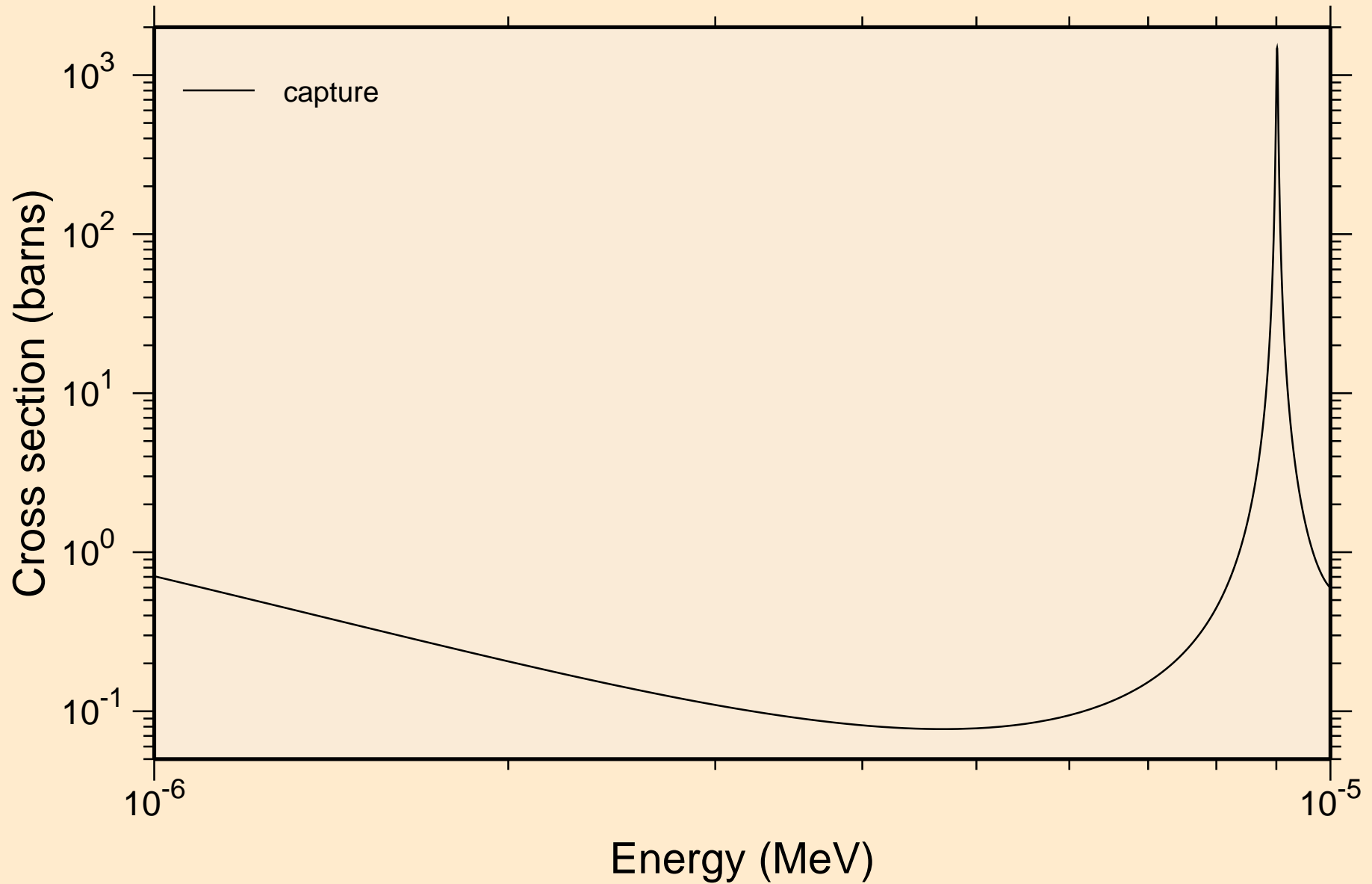
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resonance total cross section



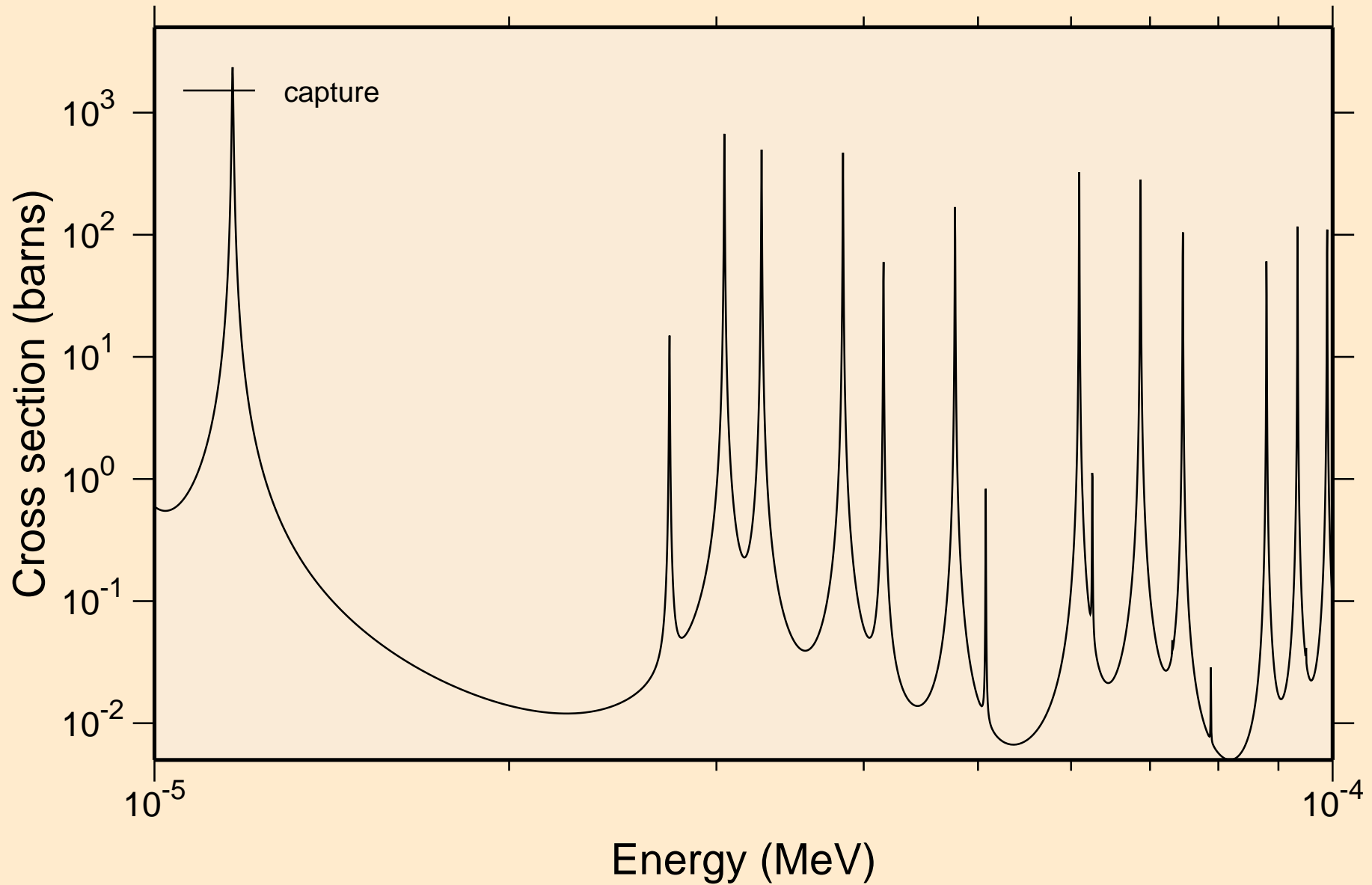
LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



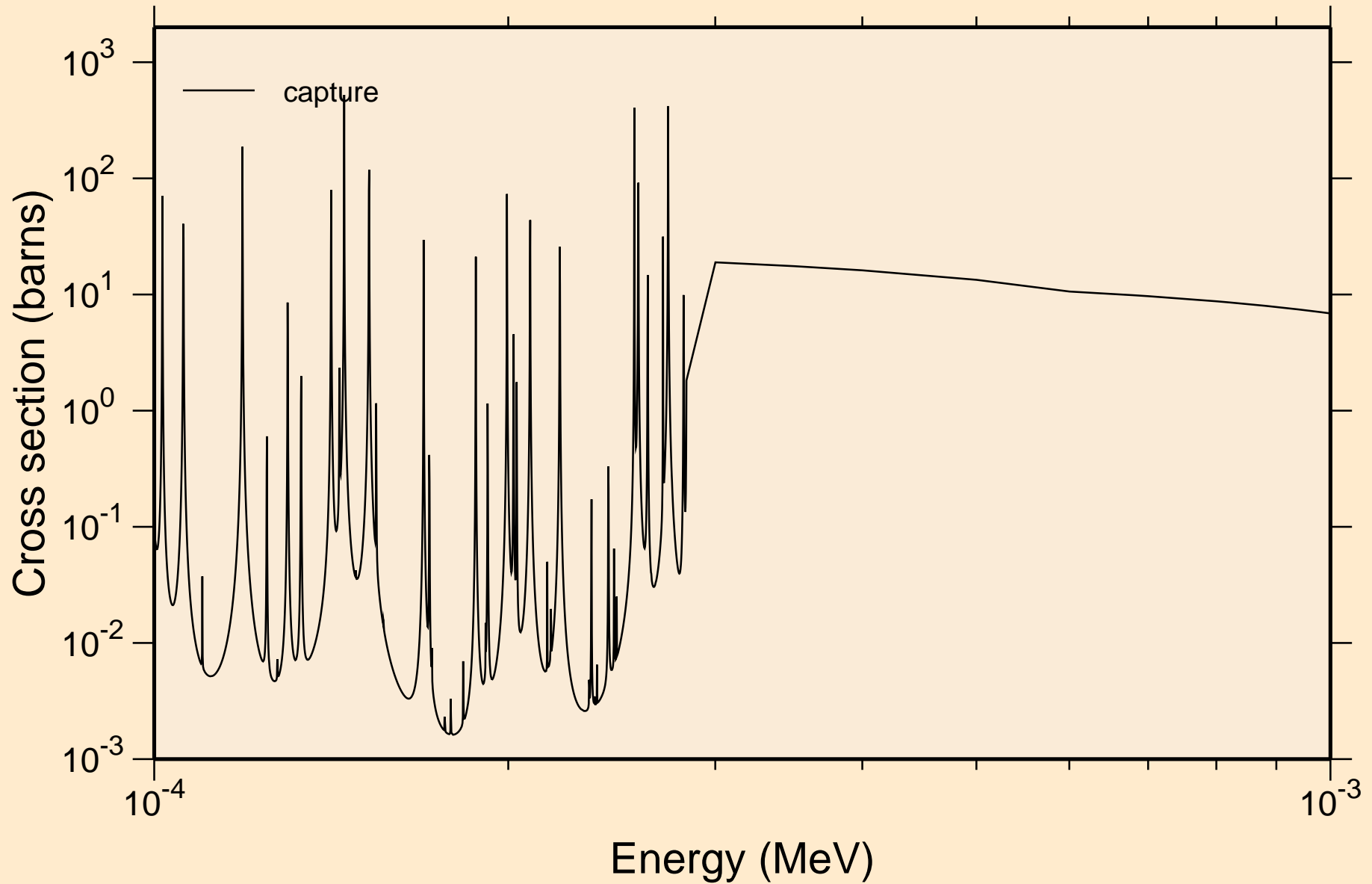
LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

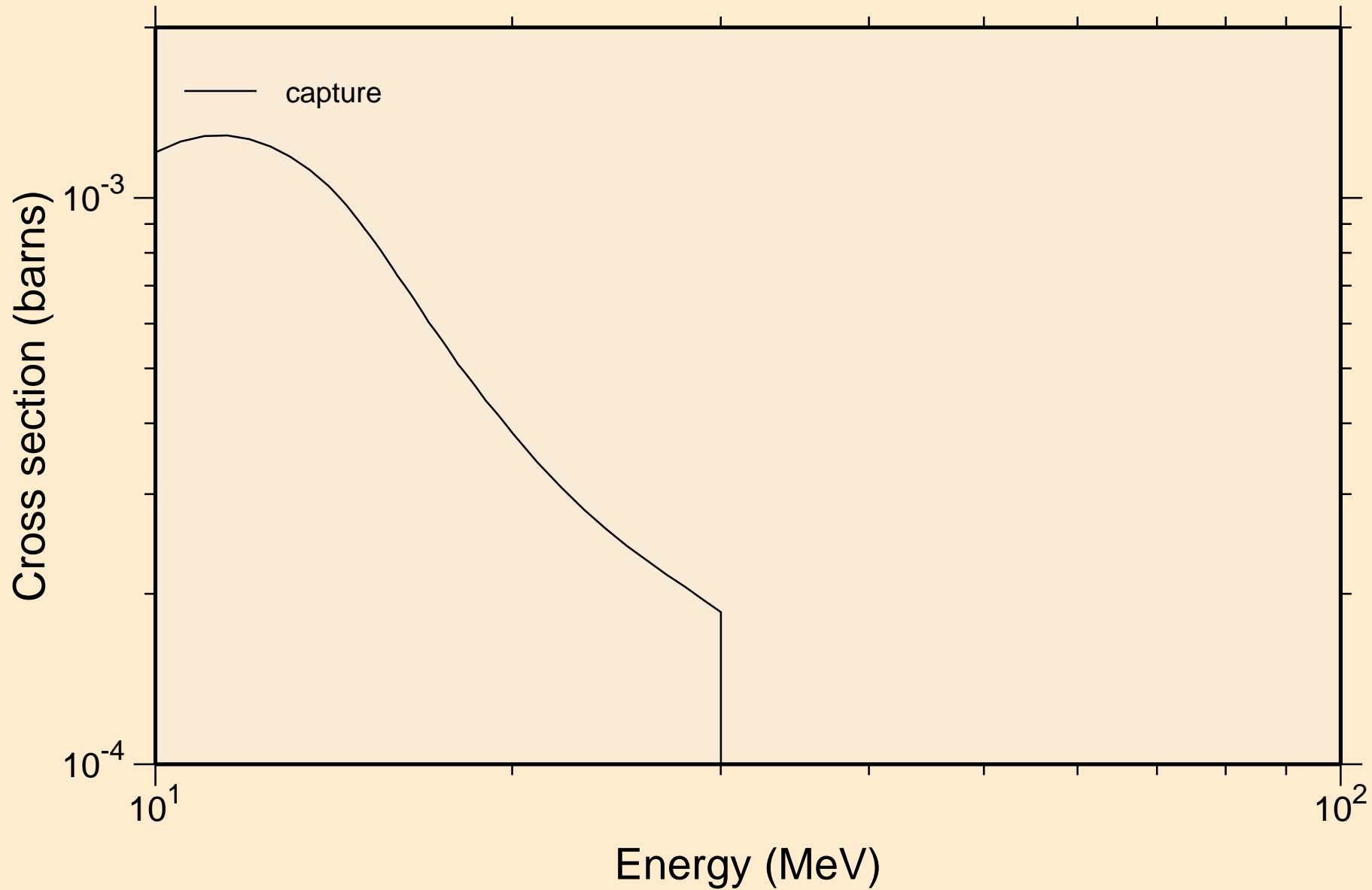


LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



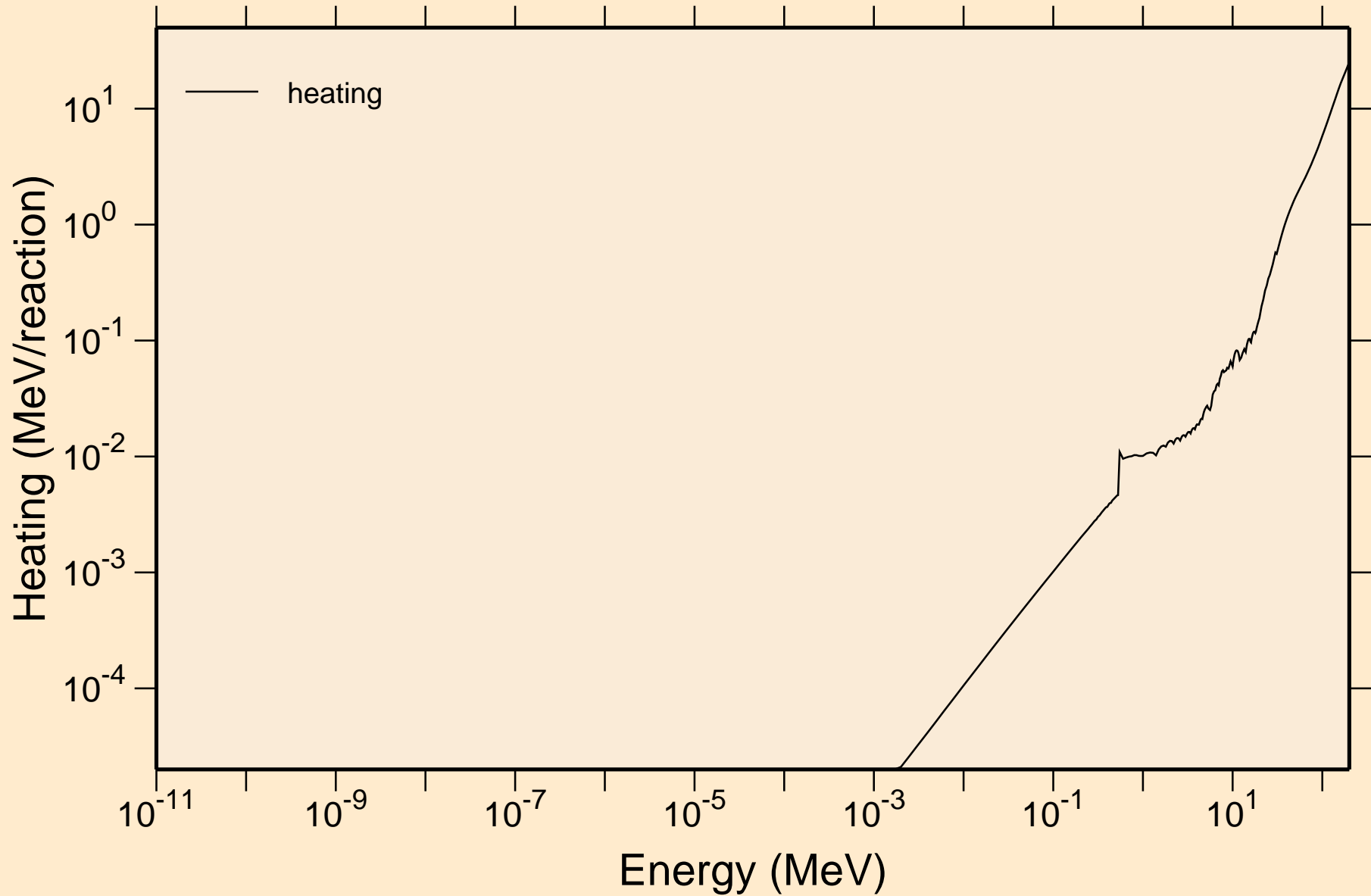


LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

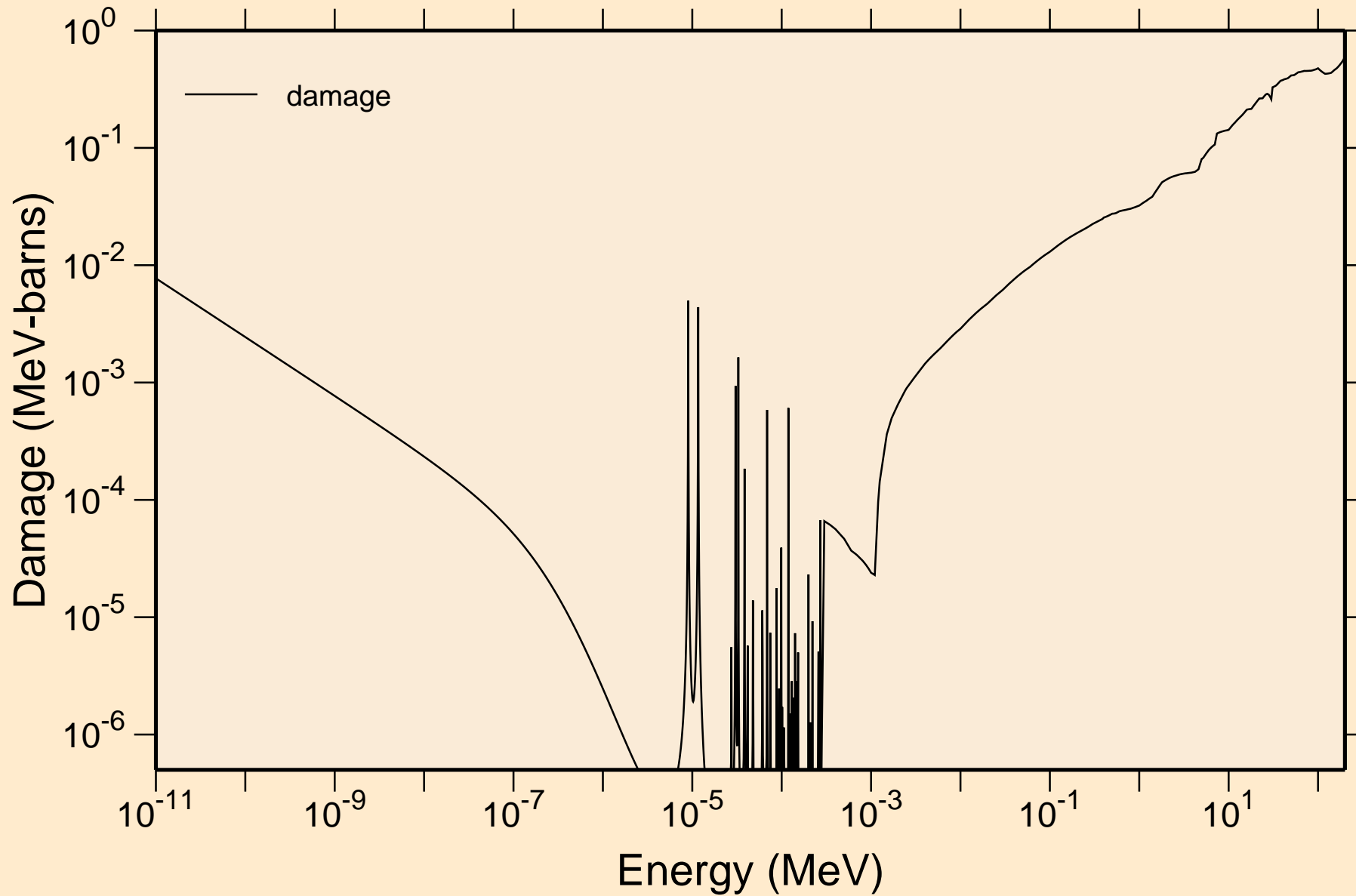


# LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

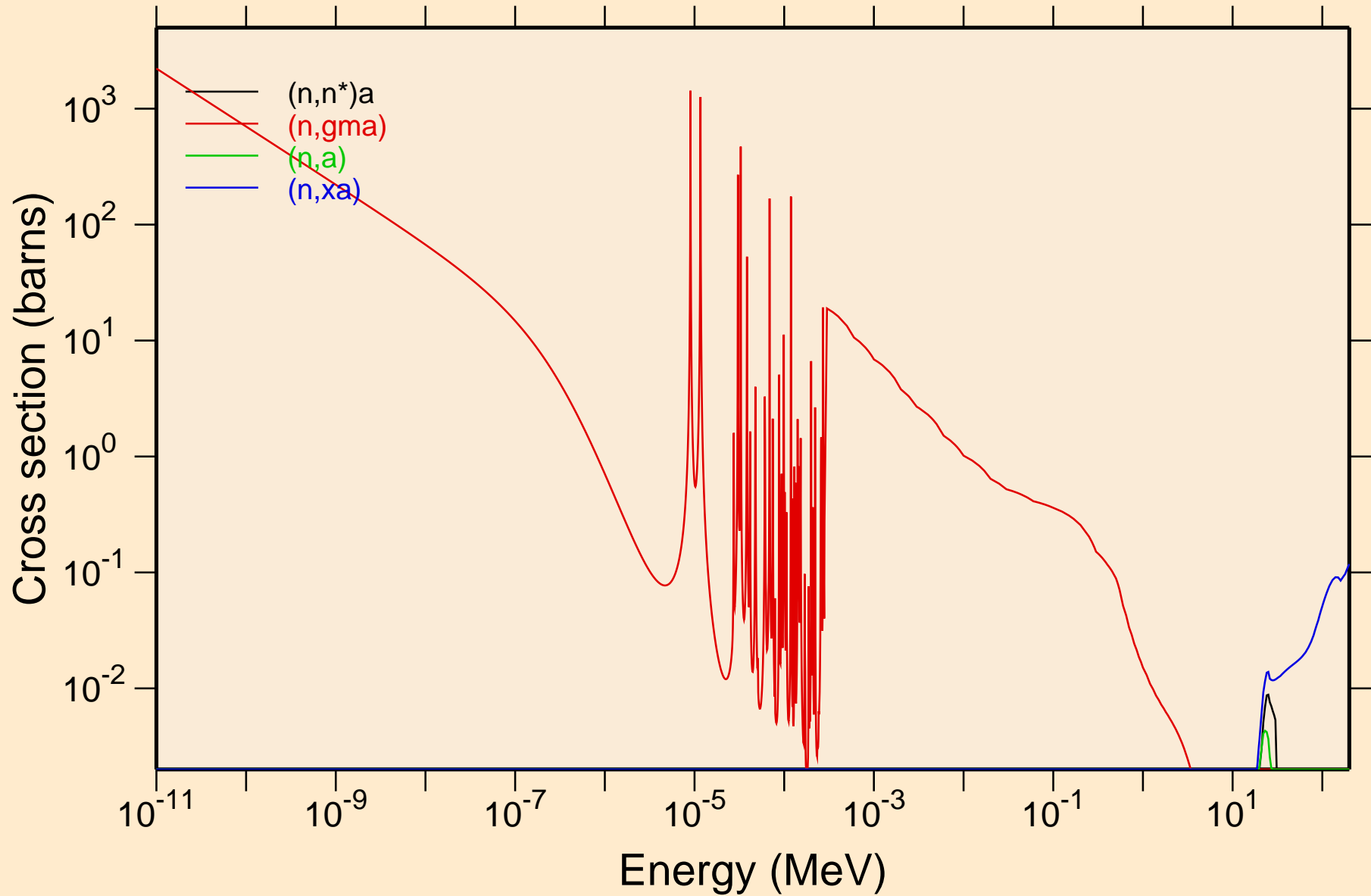
## Heating



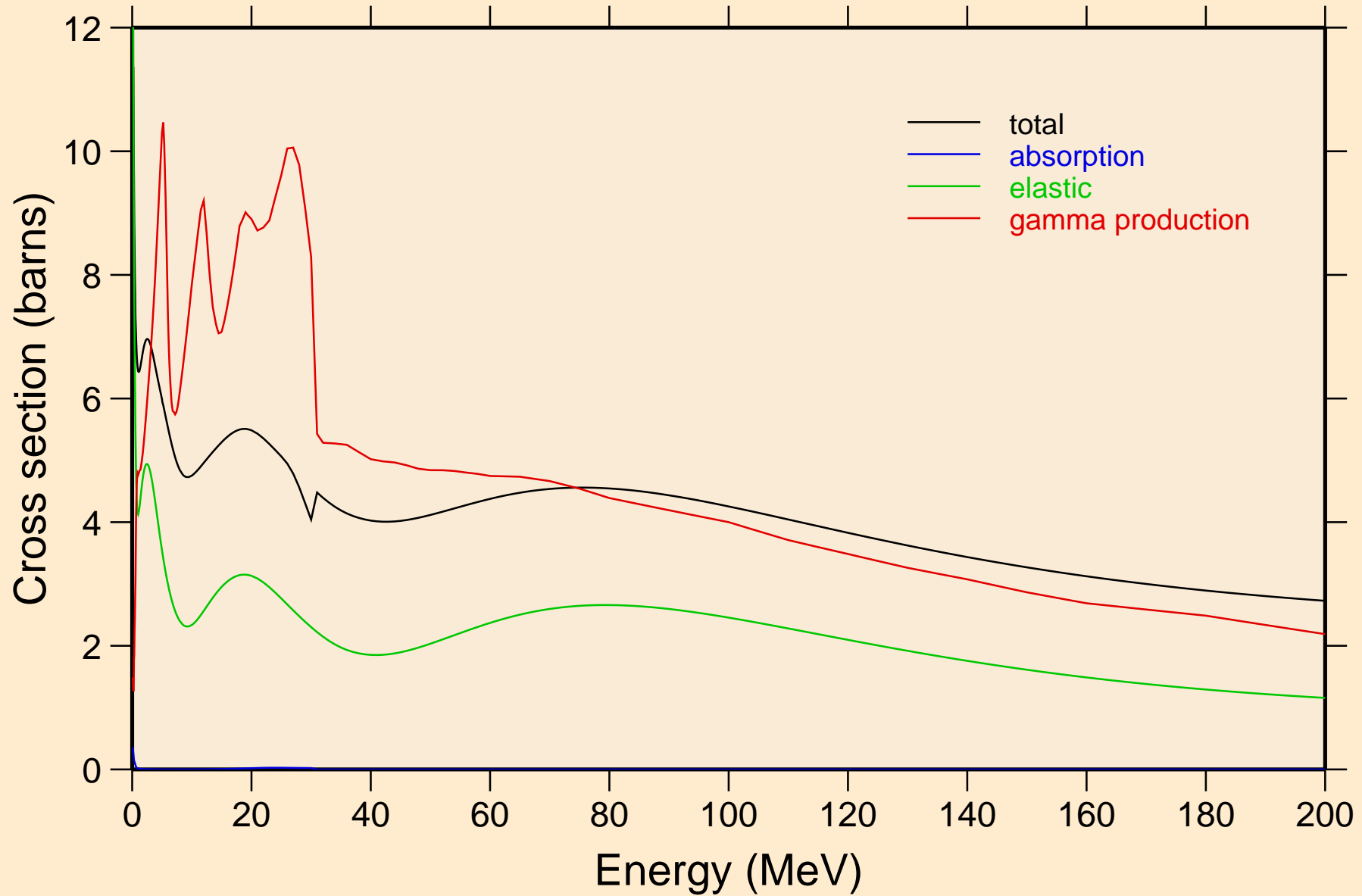
LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

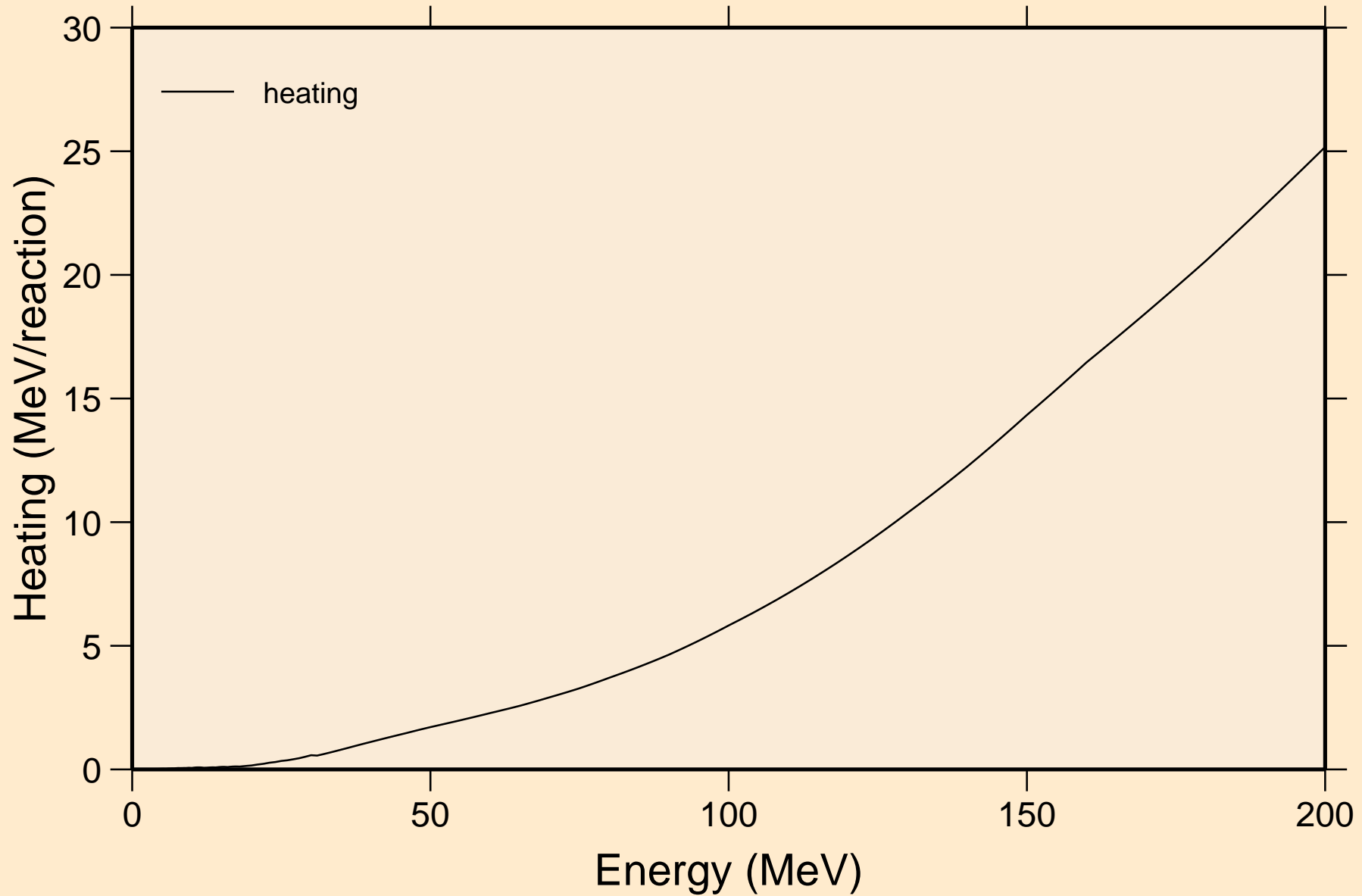


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Principal cross sections

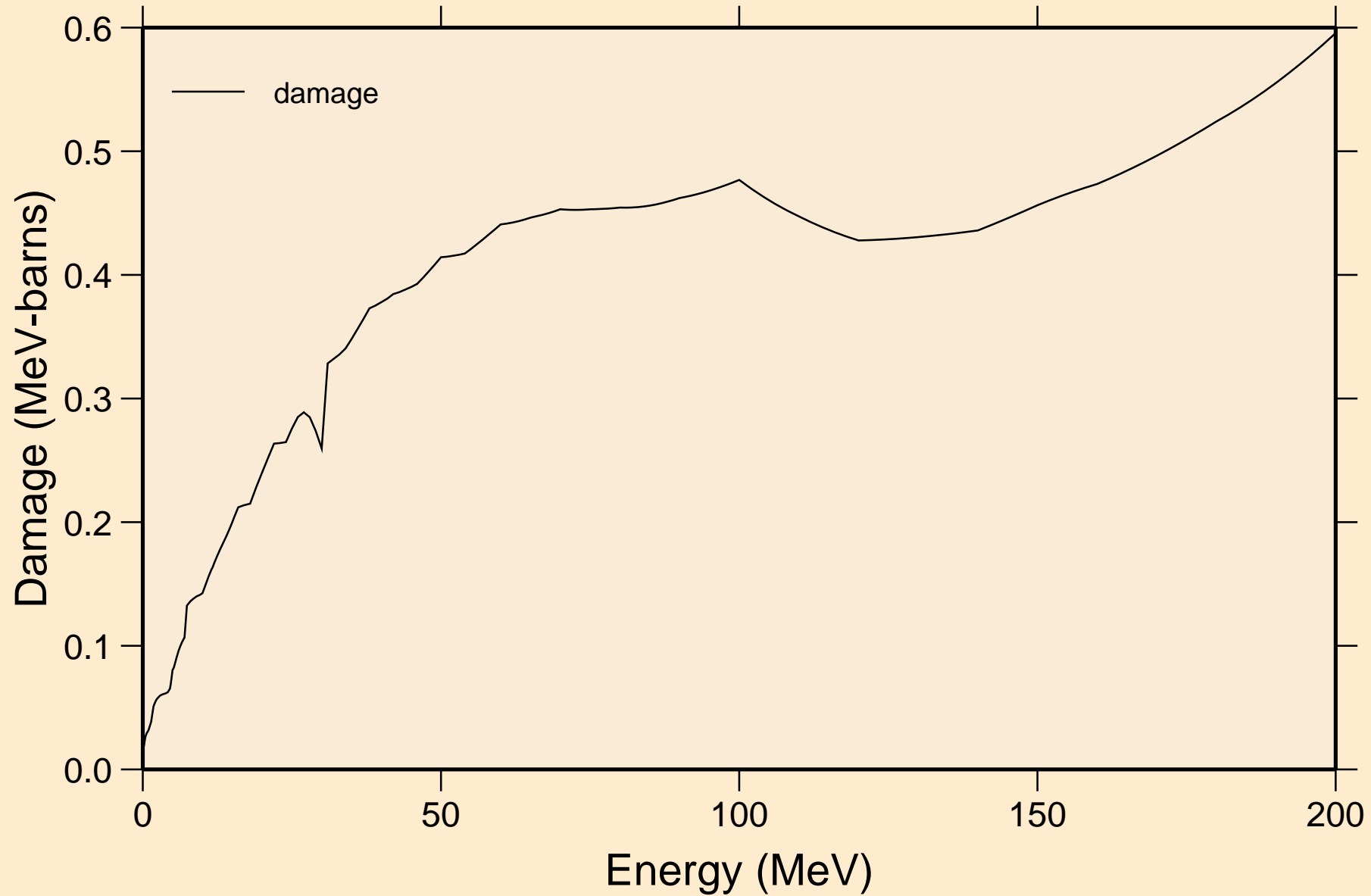


LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

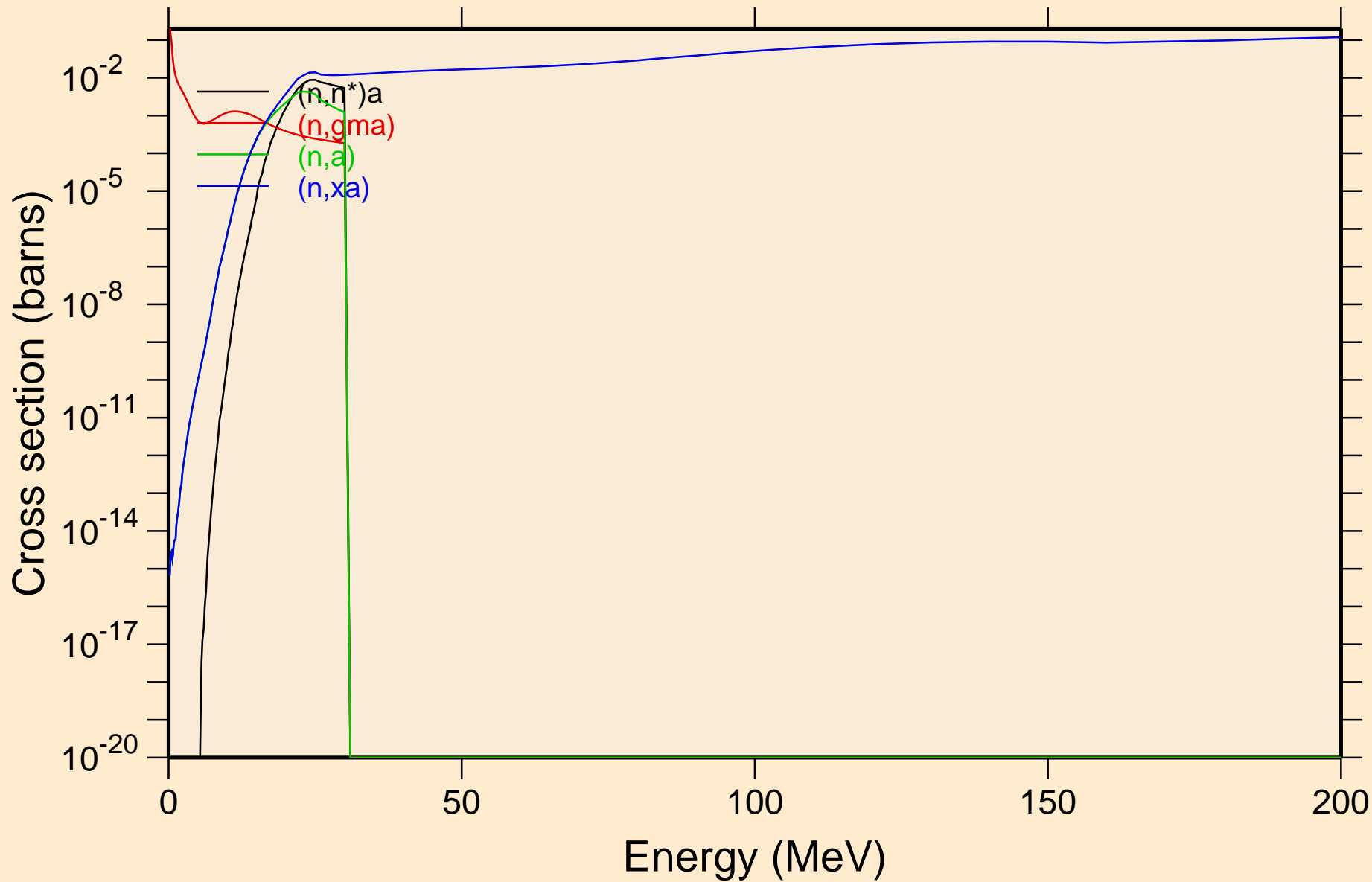
Heating



LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage

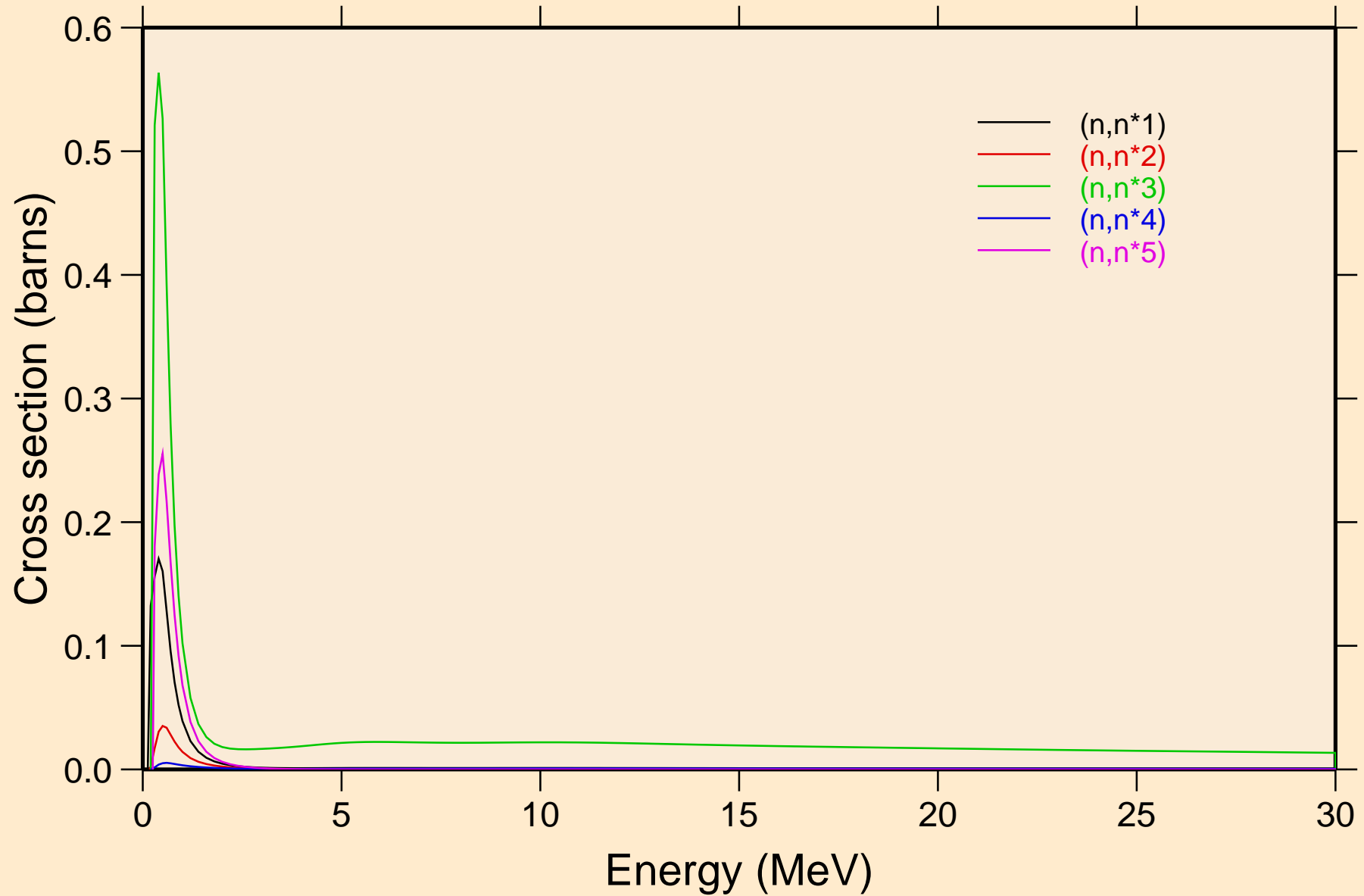


LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

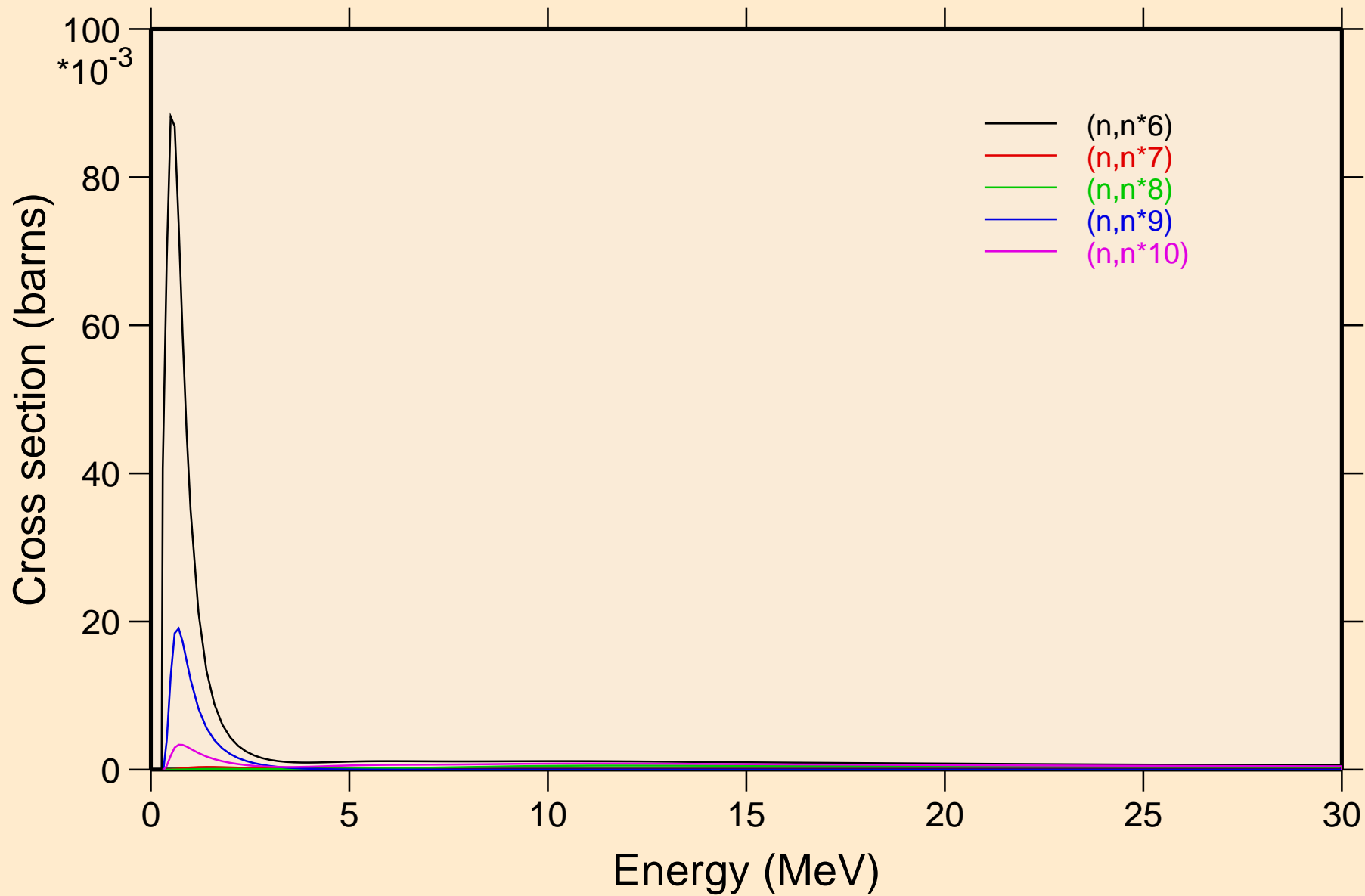




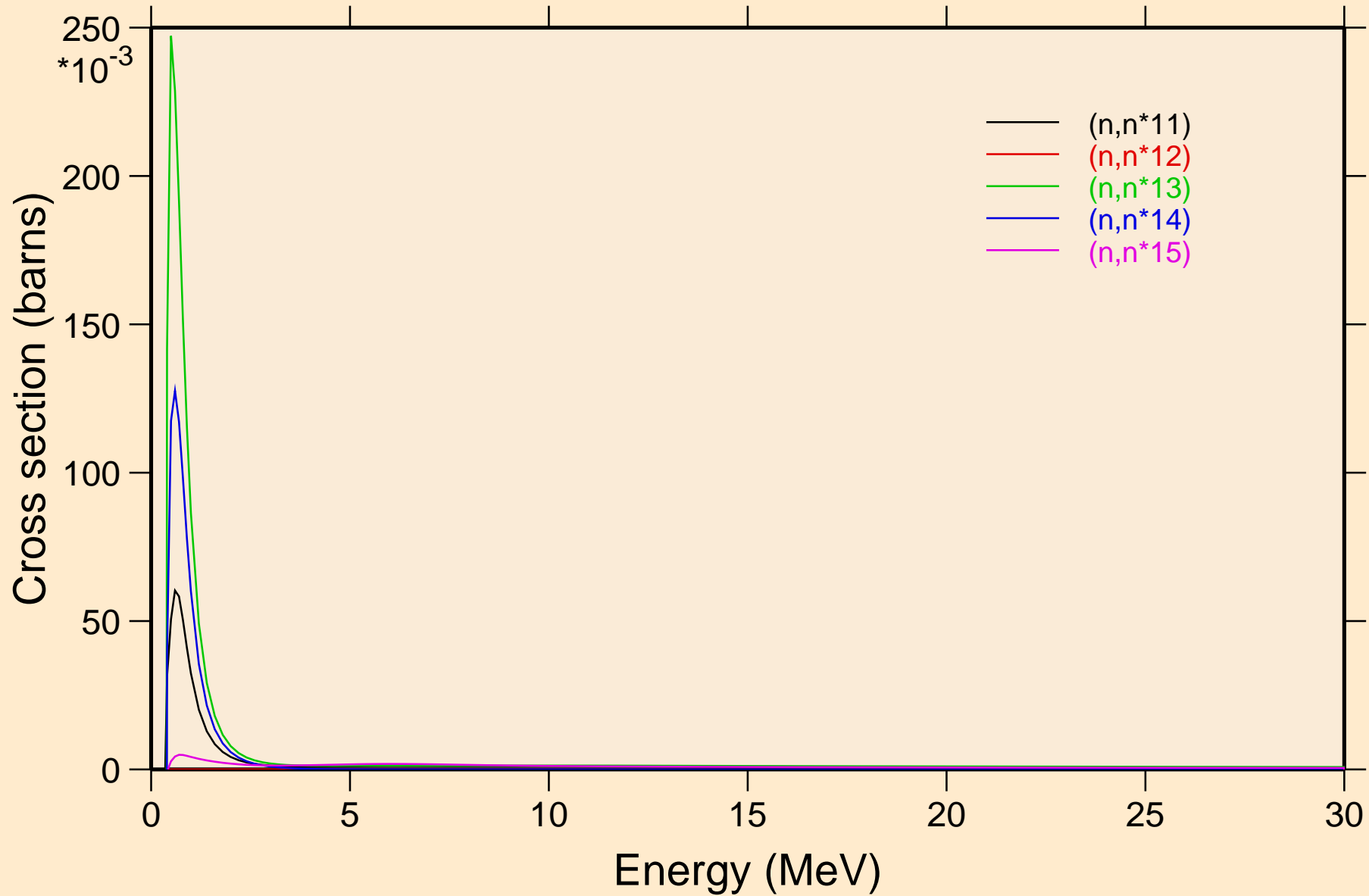
LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



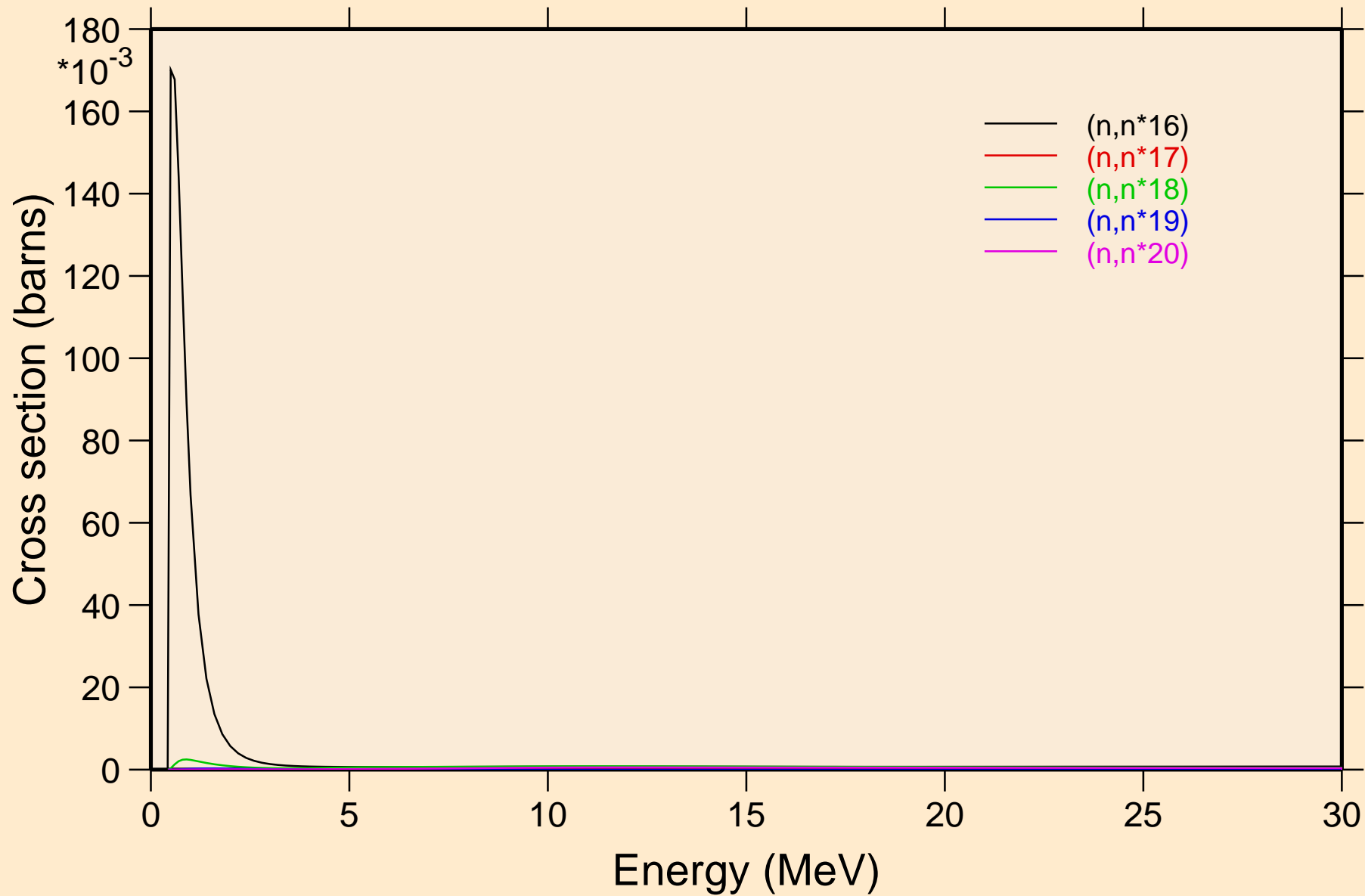
LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



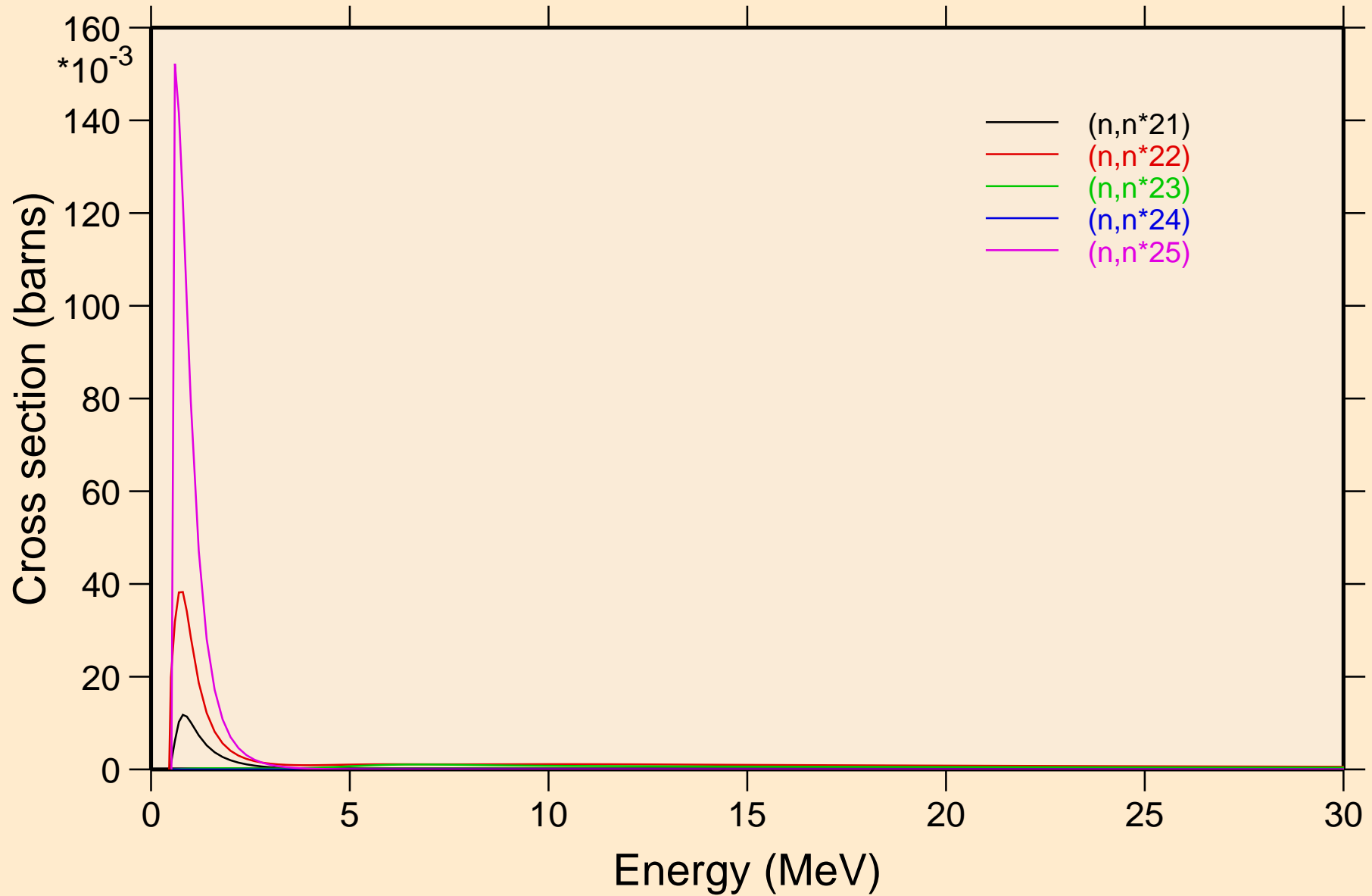
LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



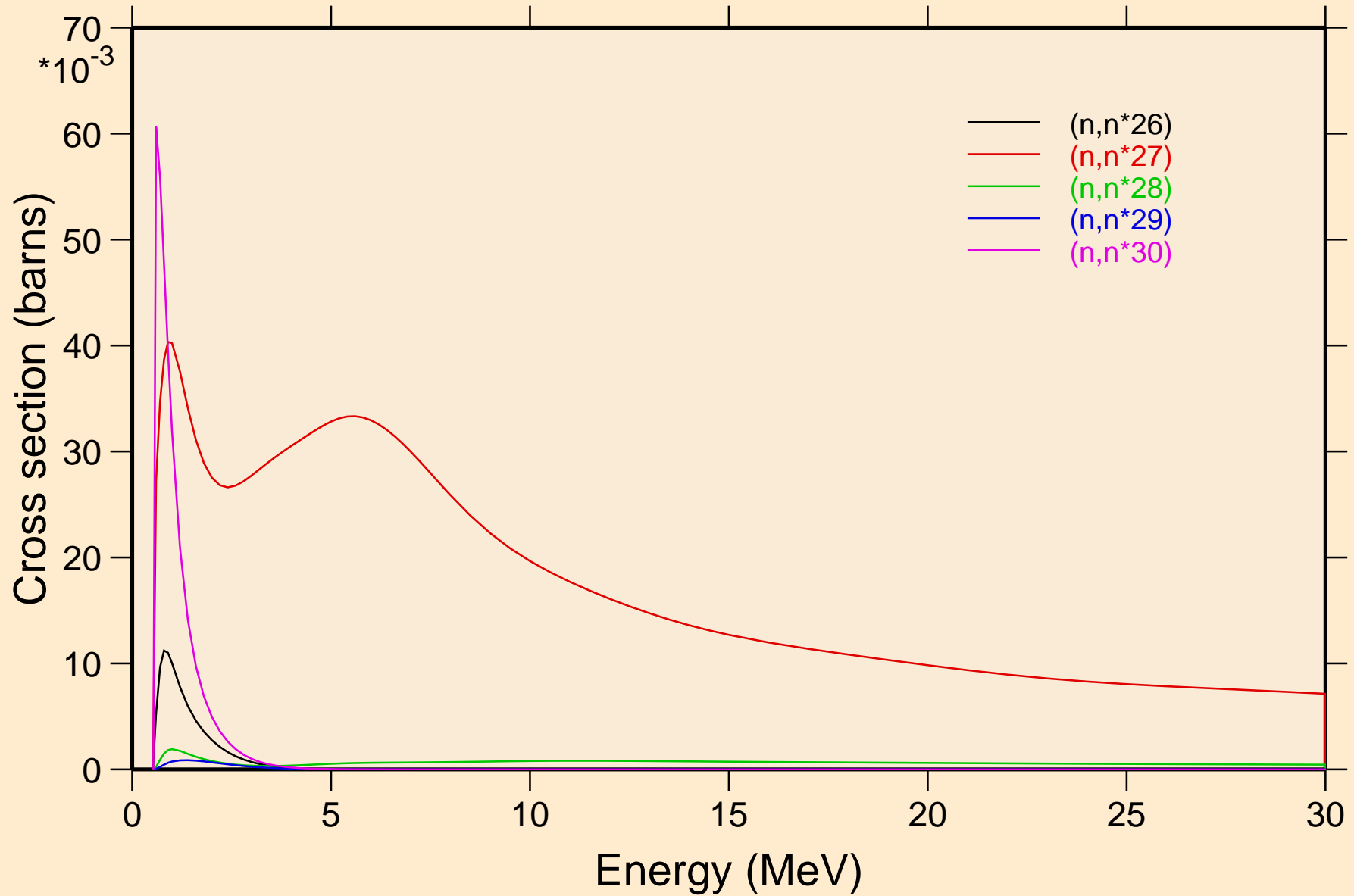
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Inelastic levels



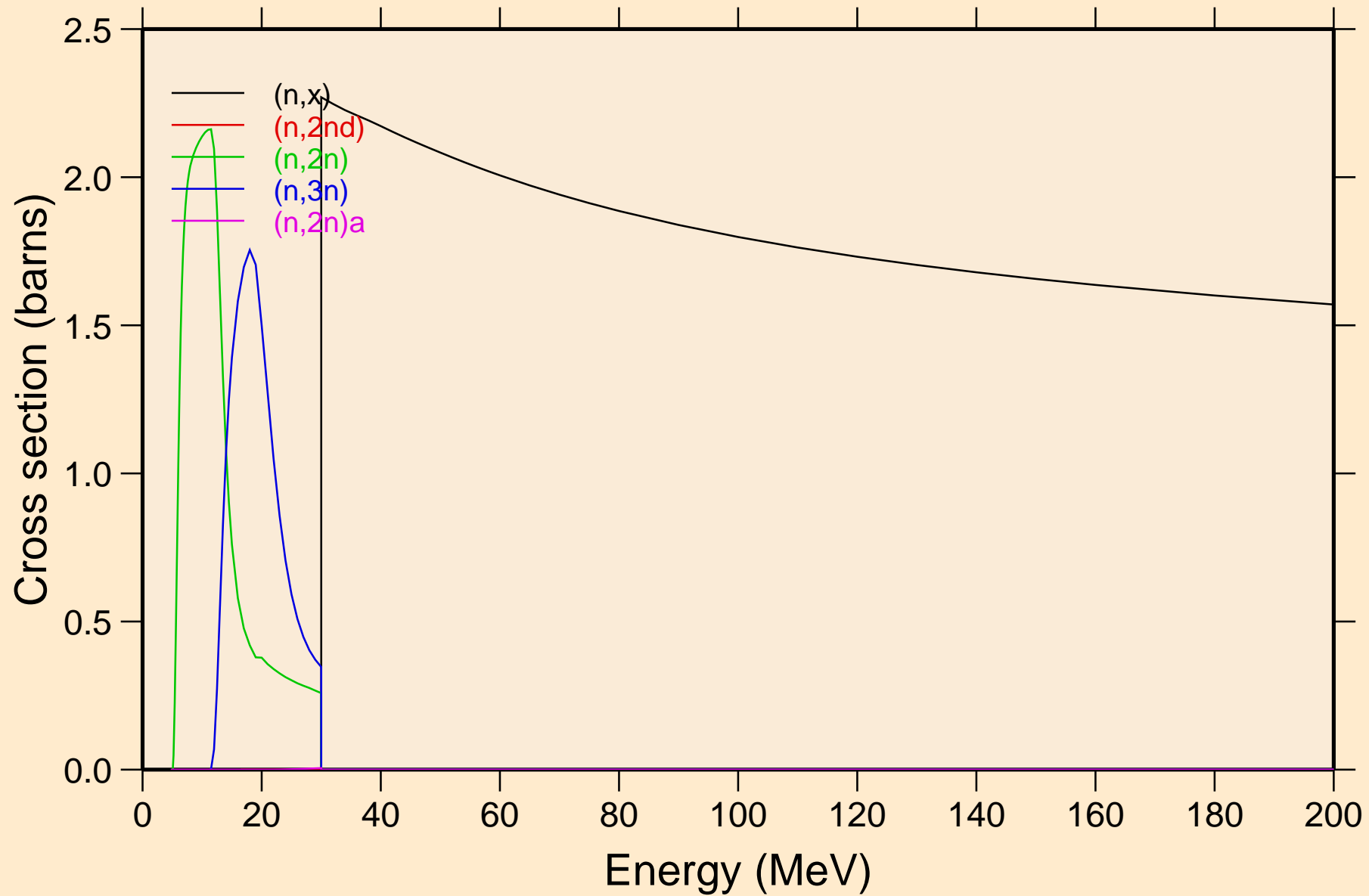
LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



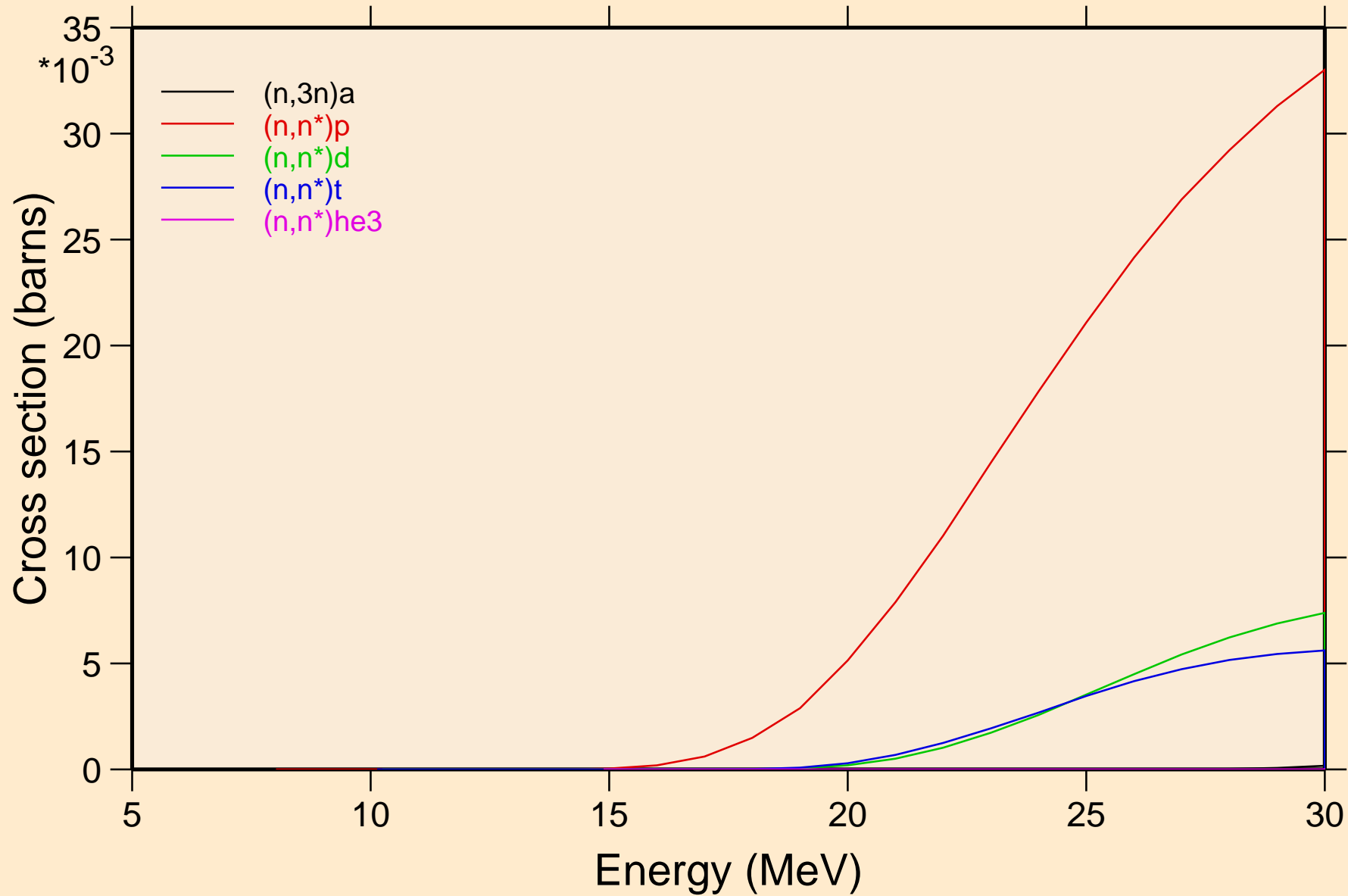
LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

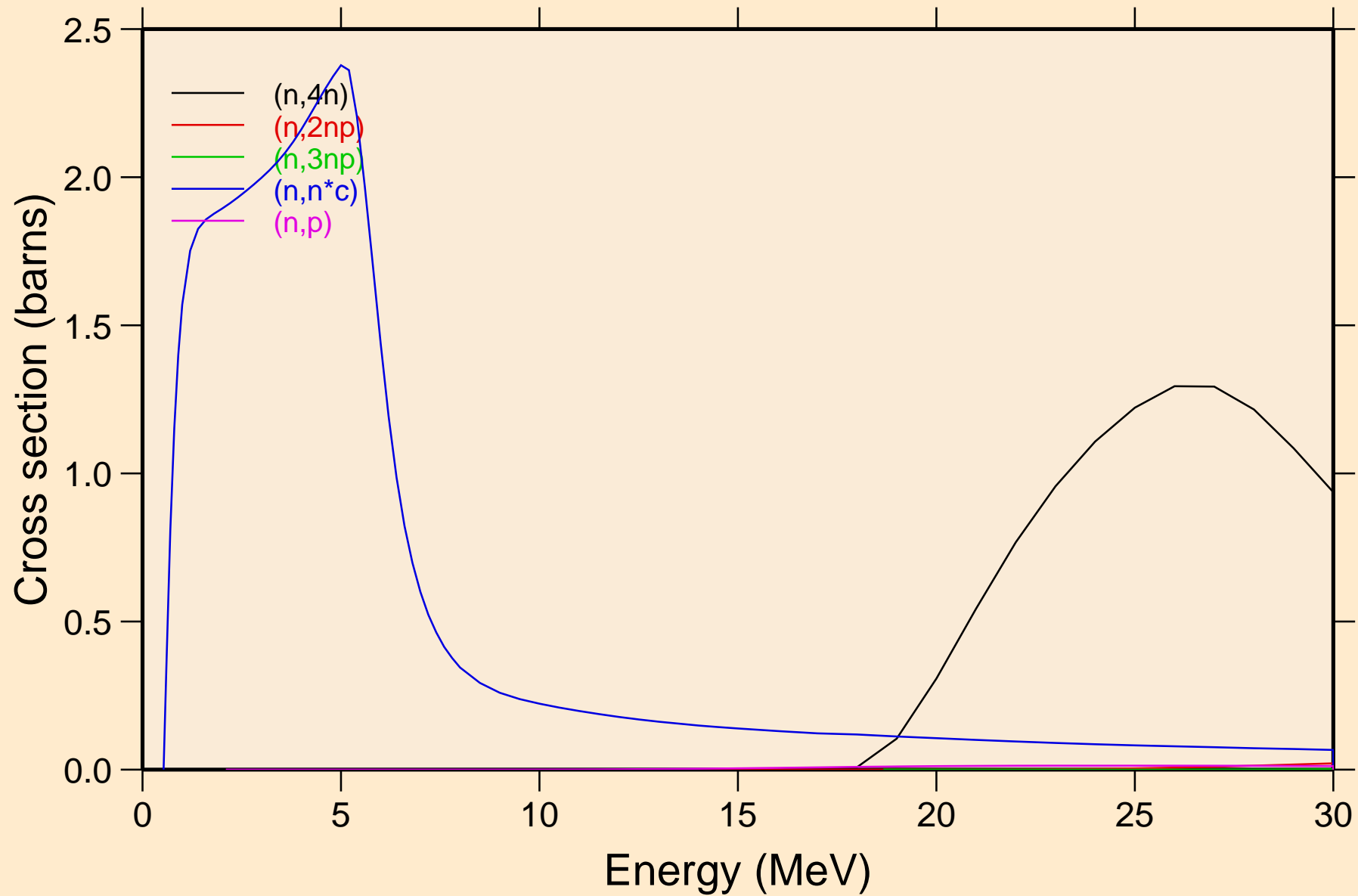


LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

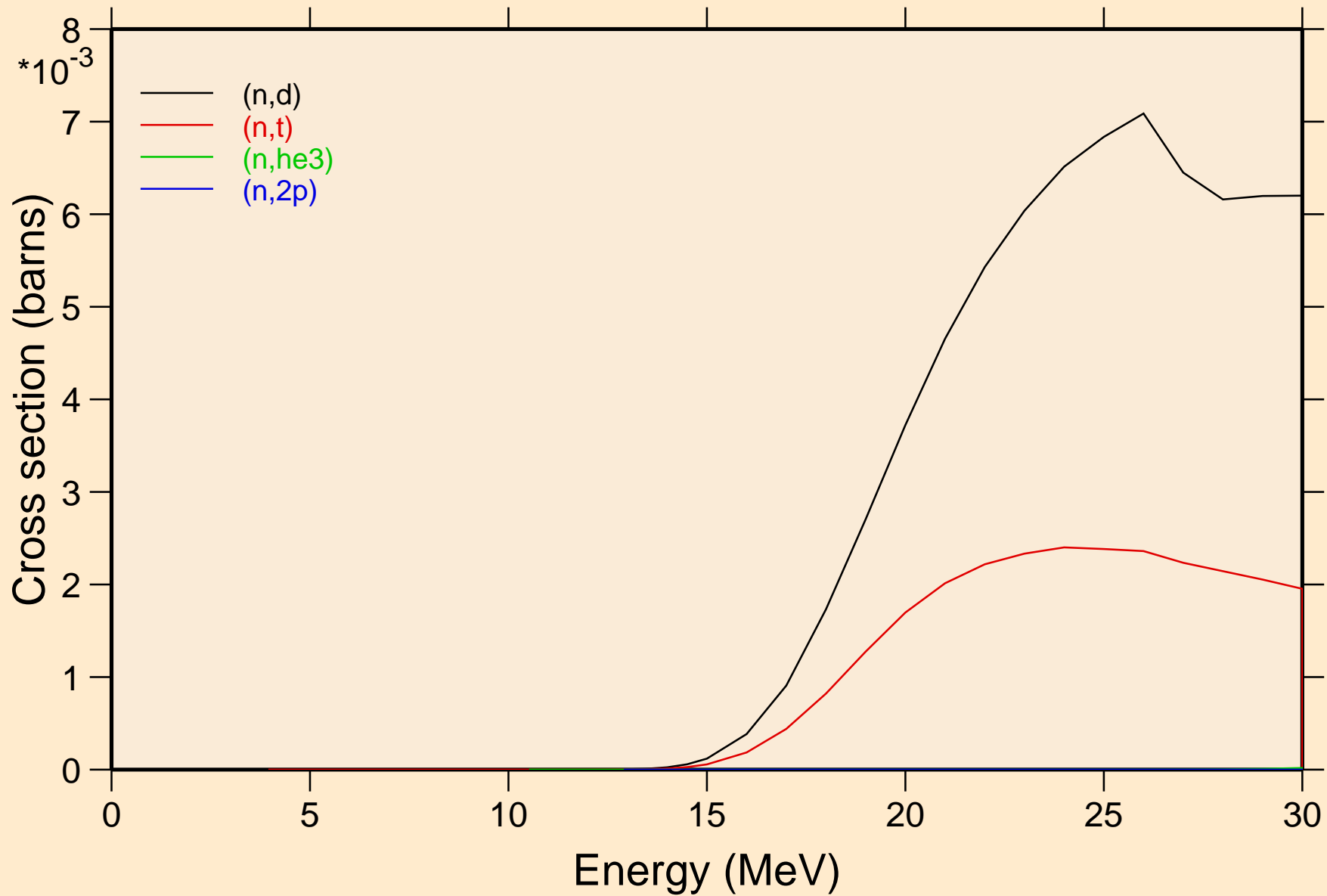




LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

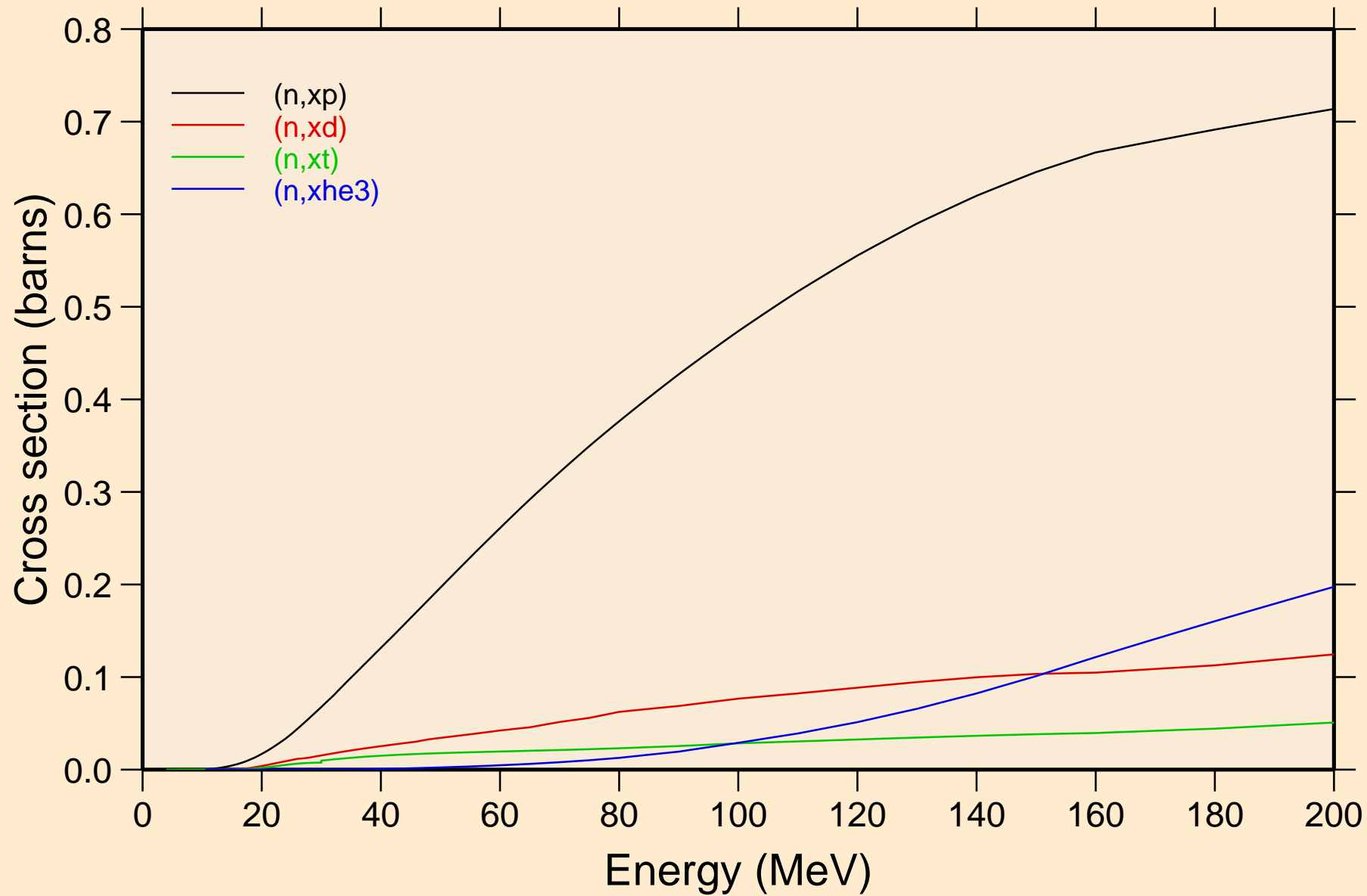


LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

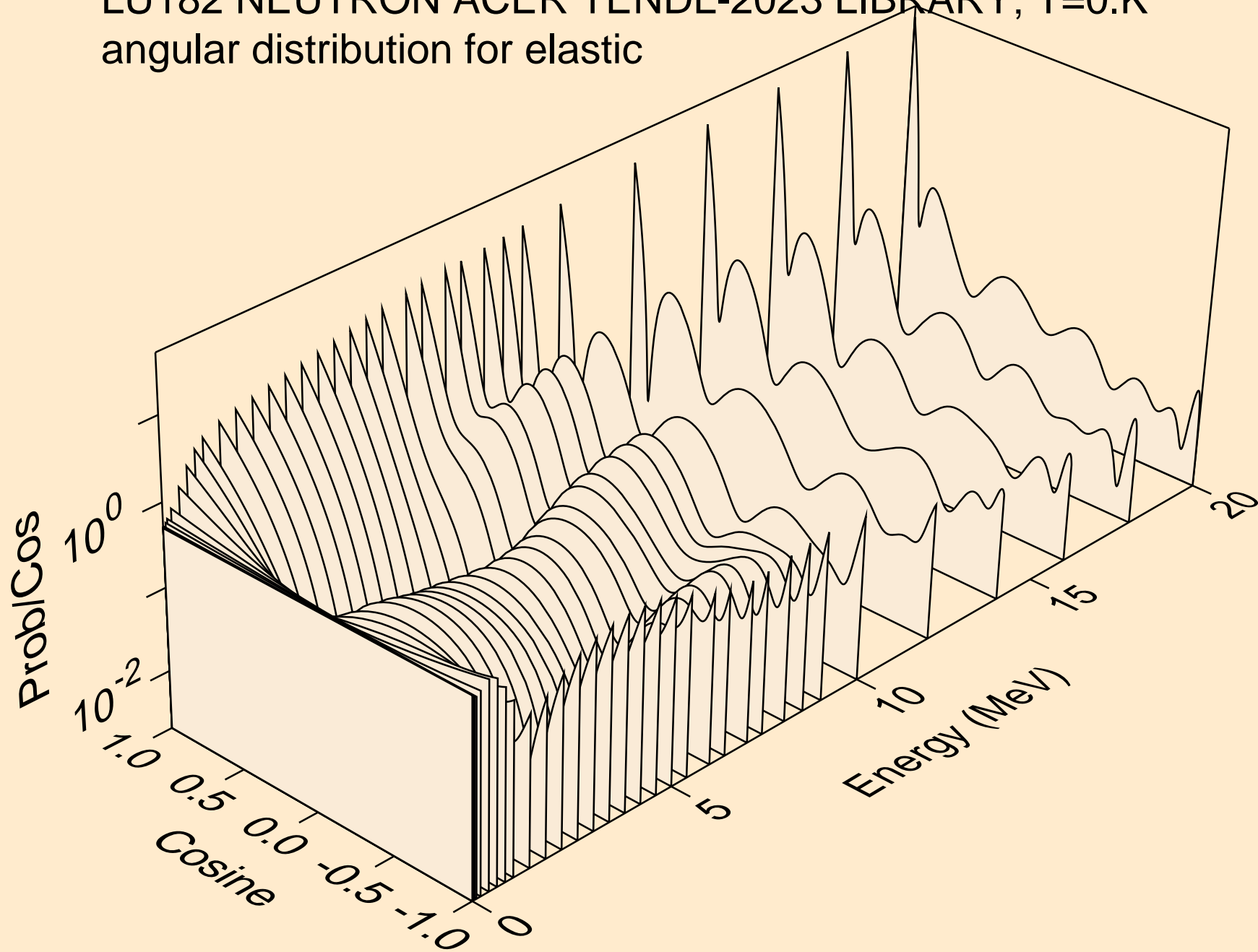


# LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

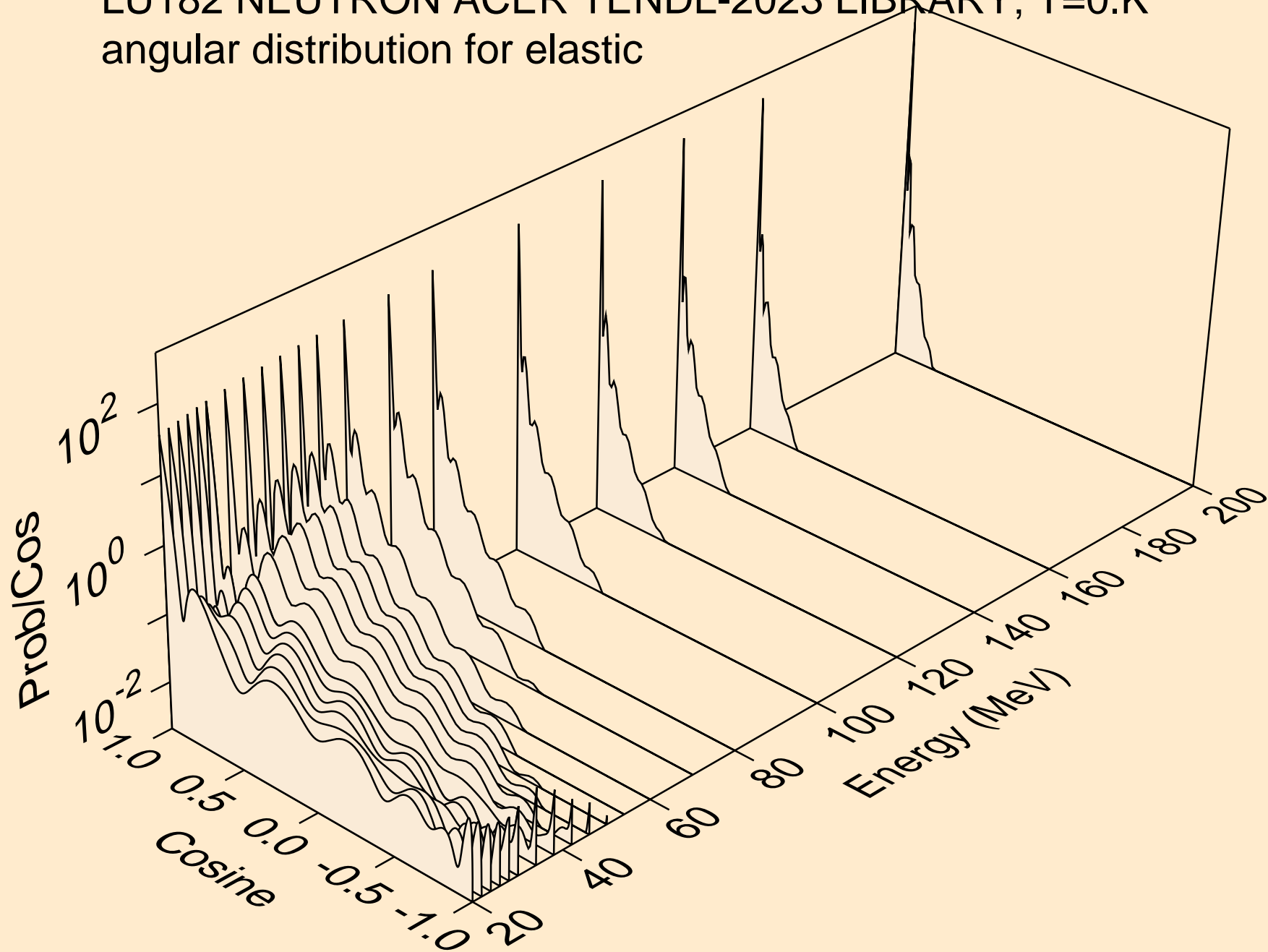
## Threshold reactions



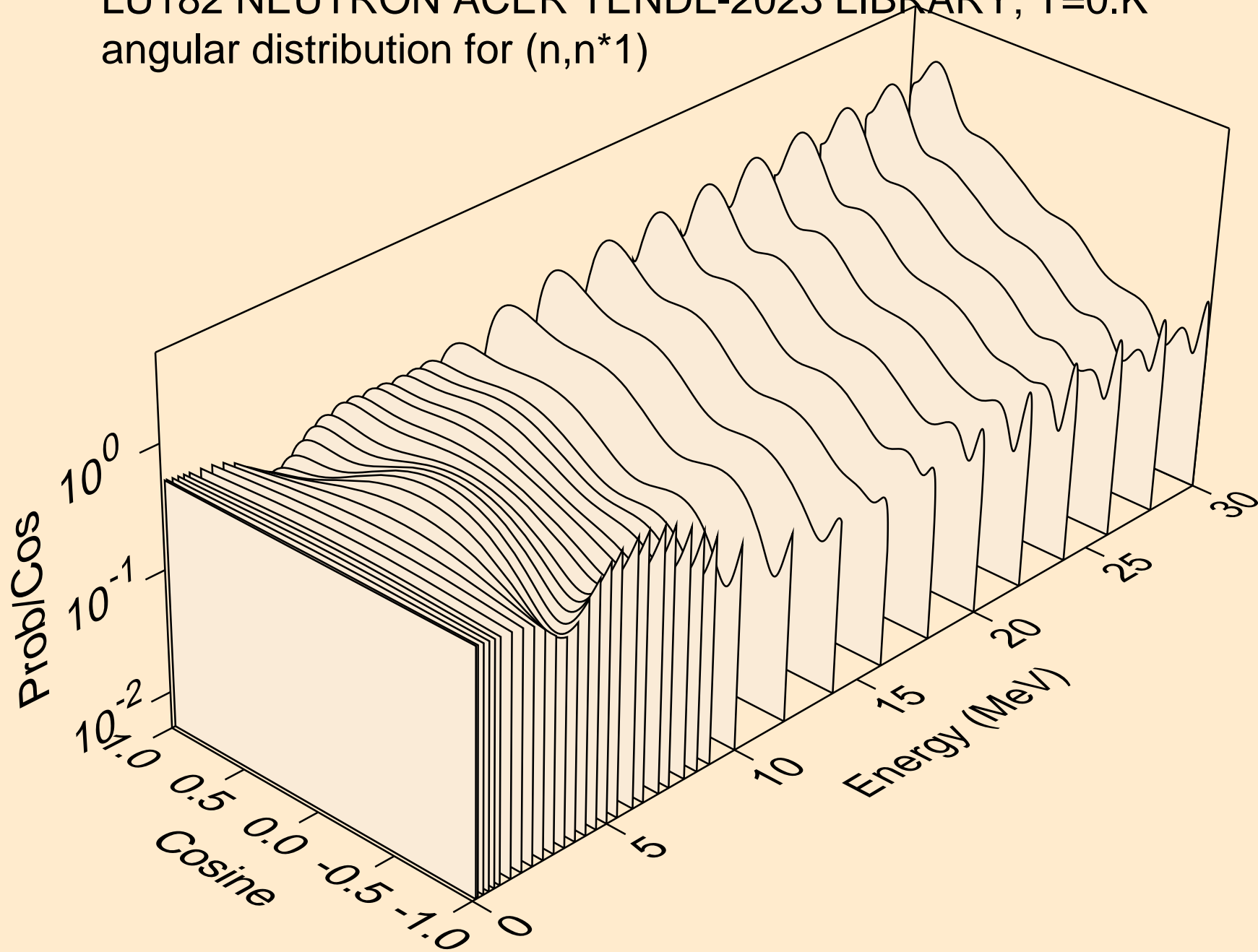
LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



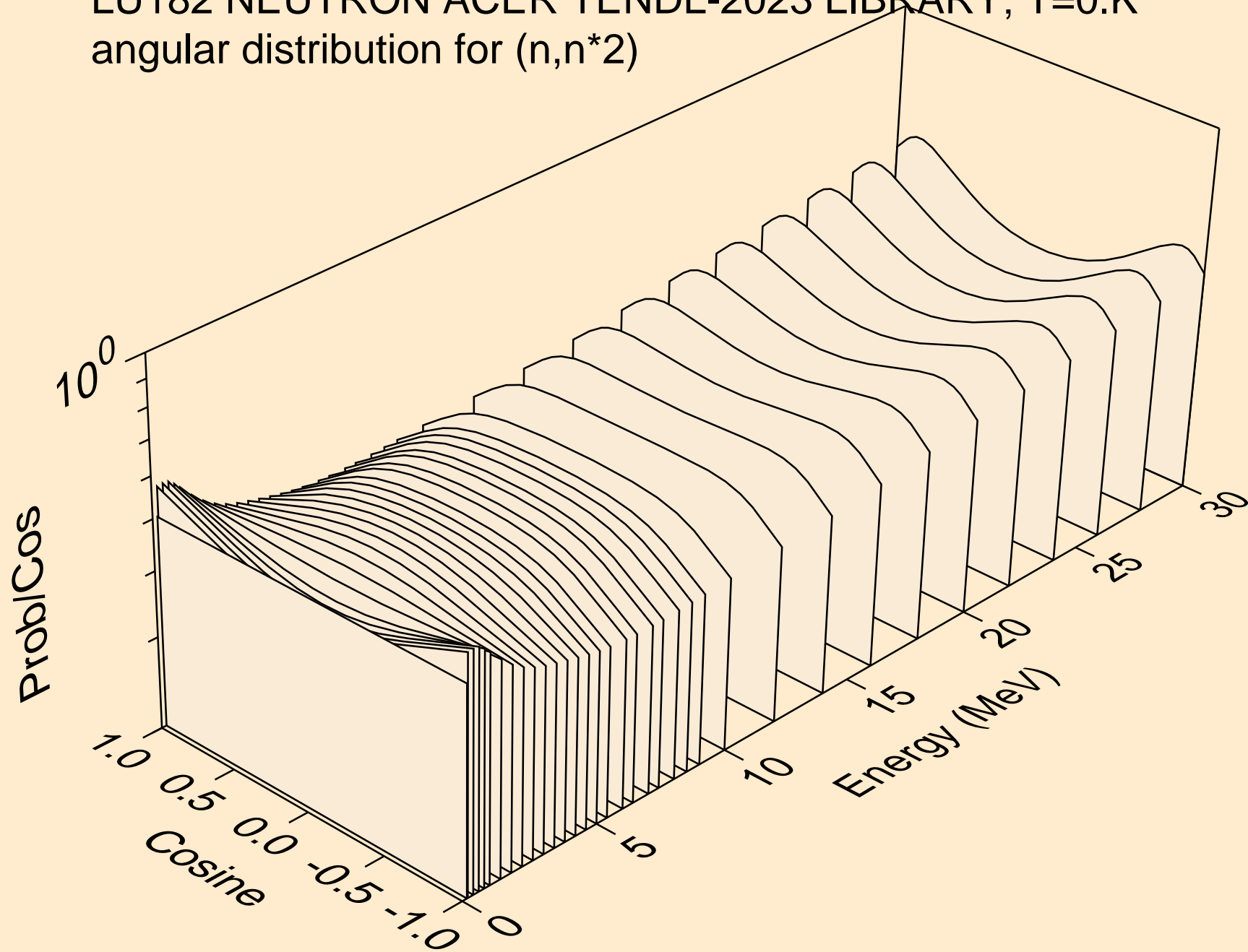
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angular distribution for elastic



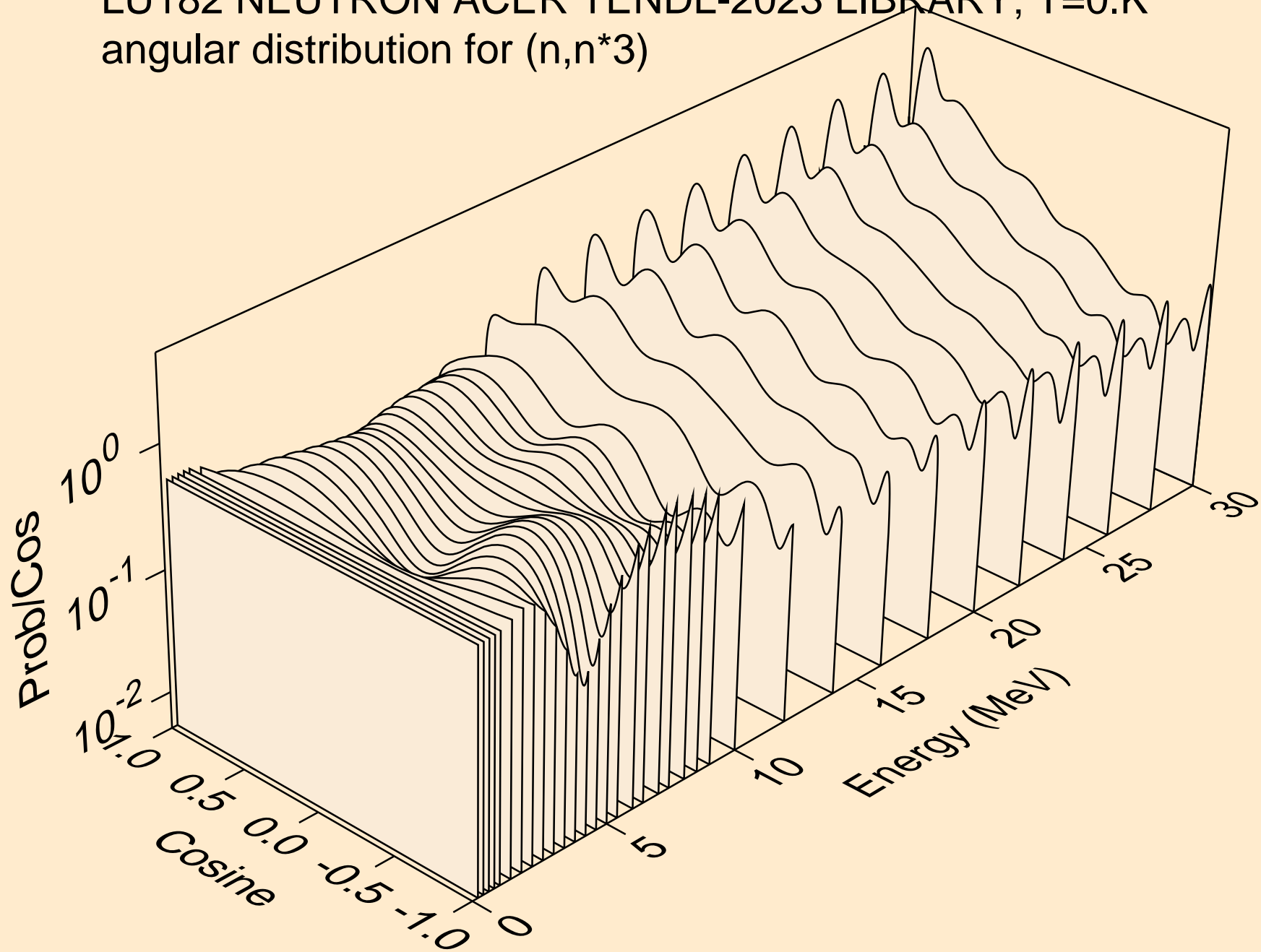
LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

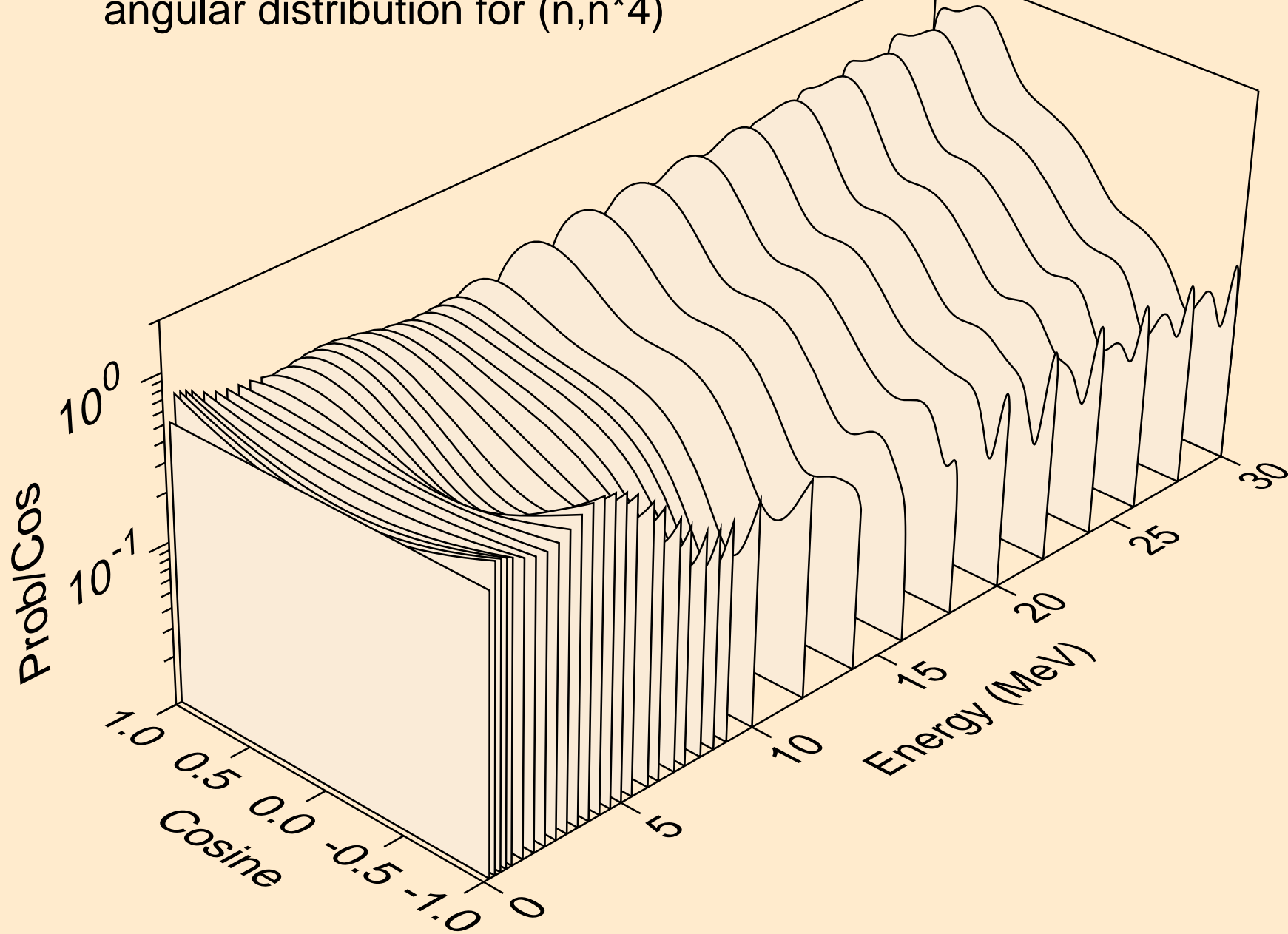


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angular distribution for (n,n\*3)

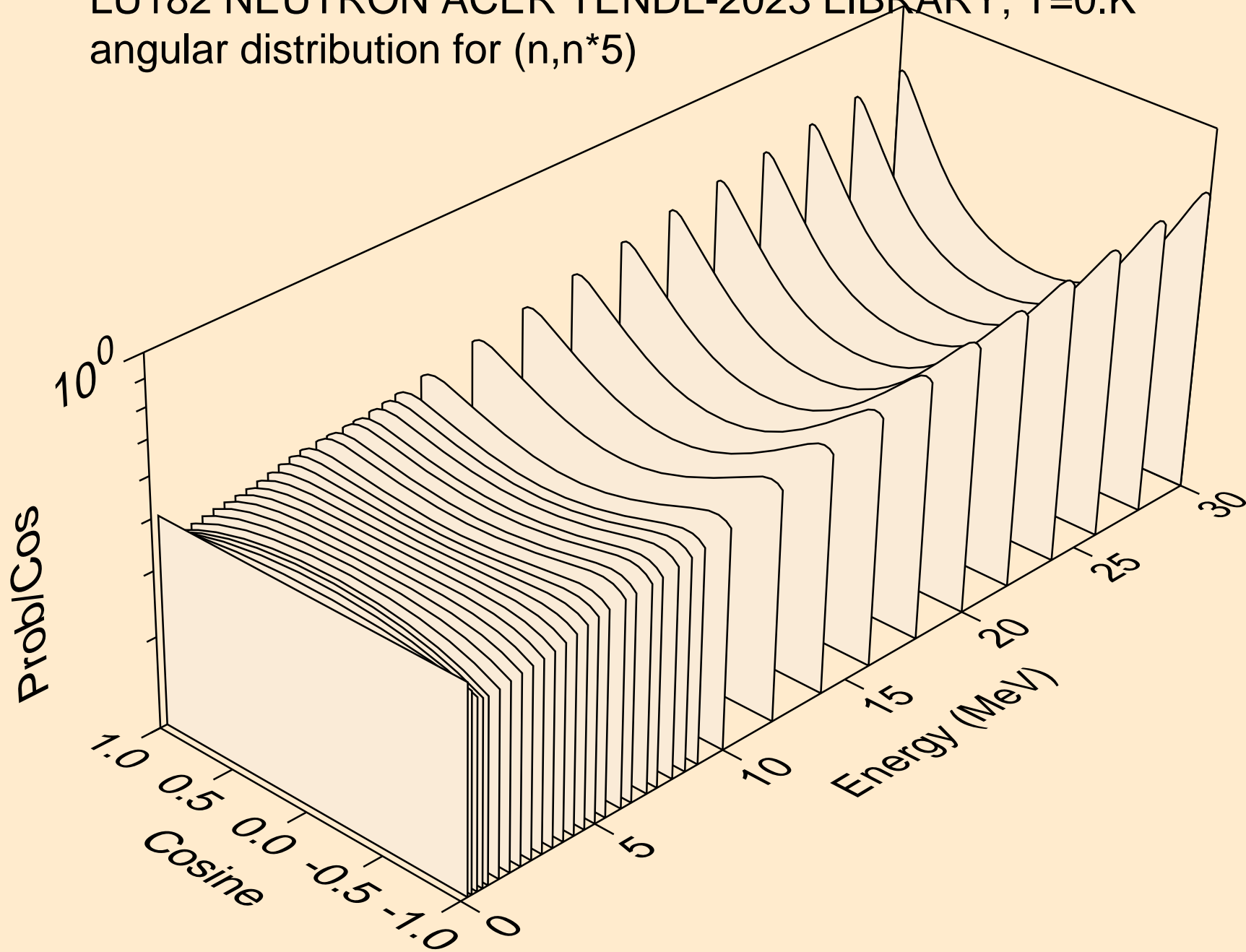




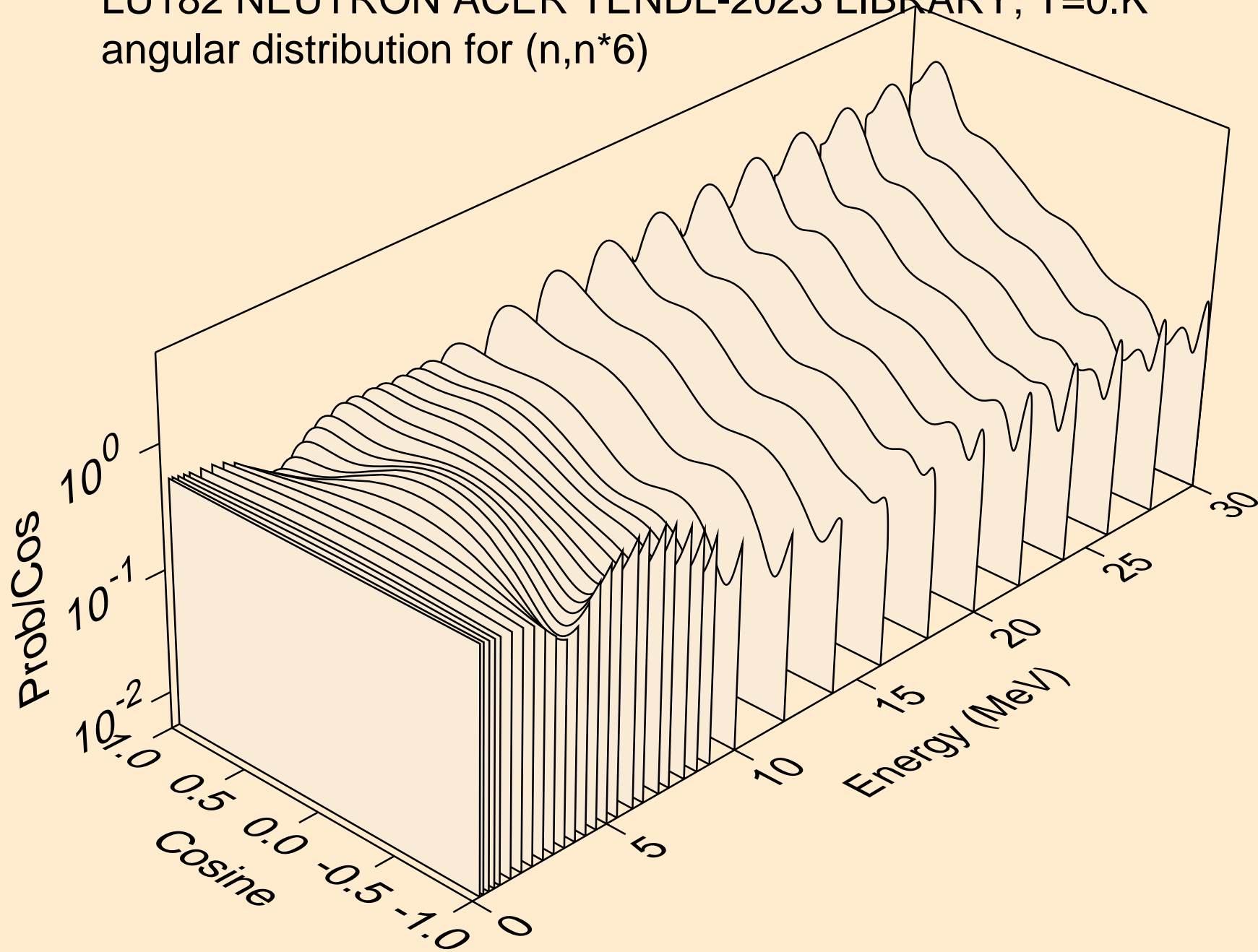
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angular distribution for (n,n\*4)



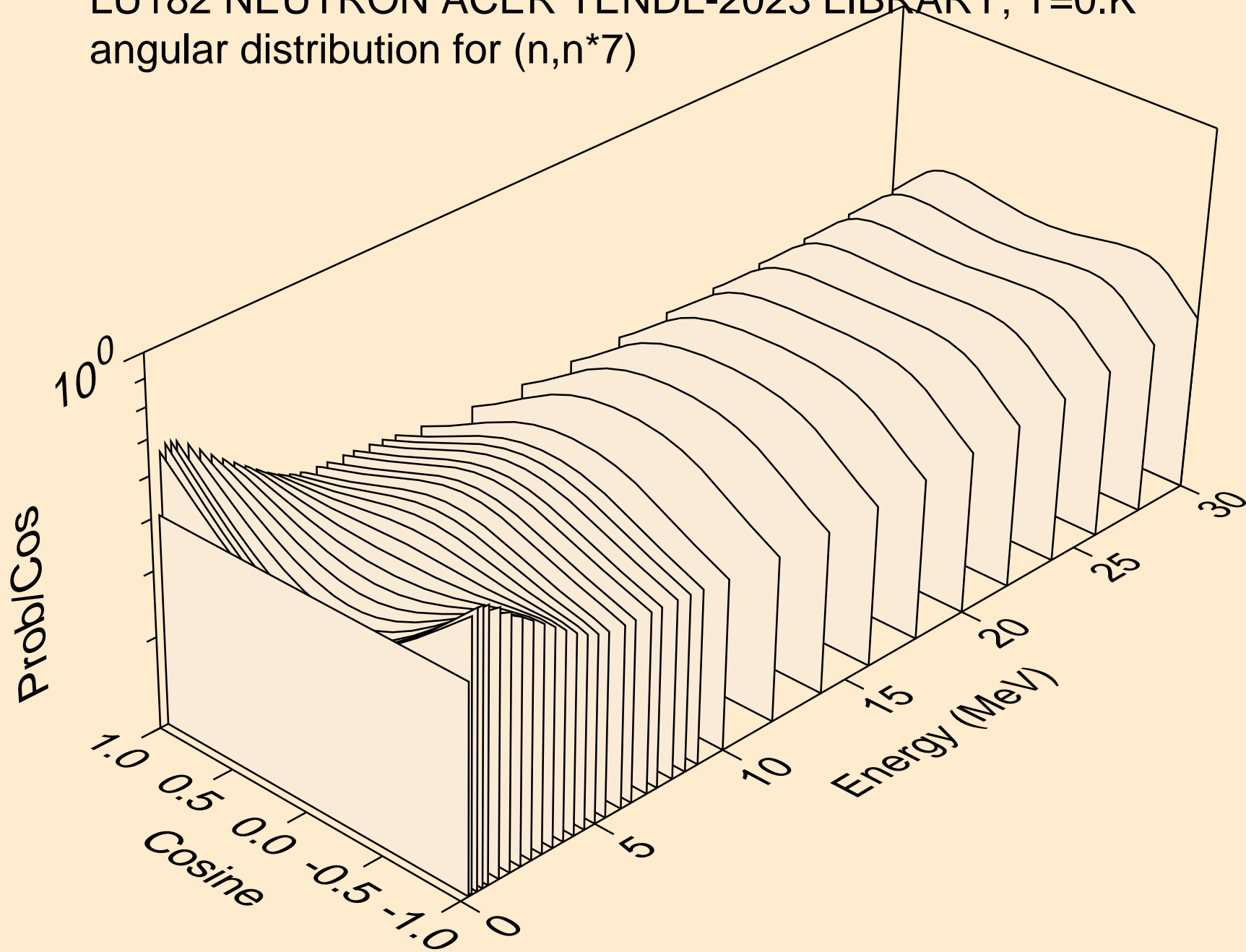
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angular distribution for (n,n\*5)



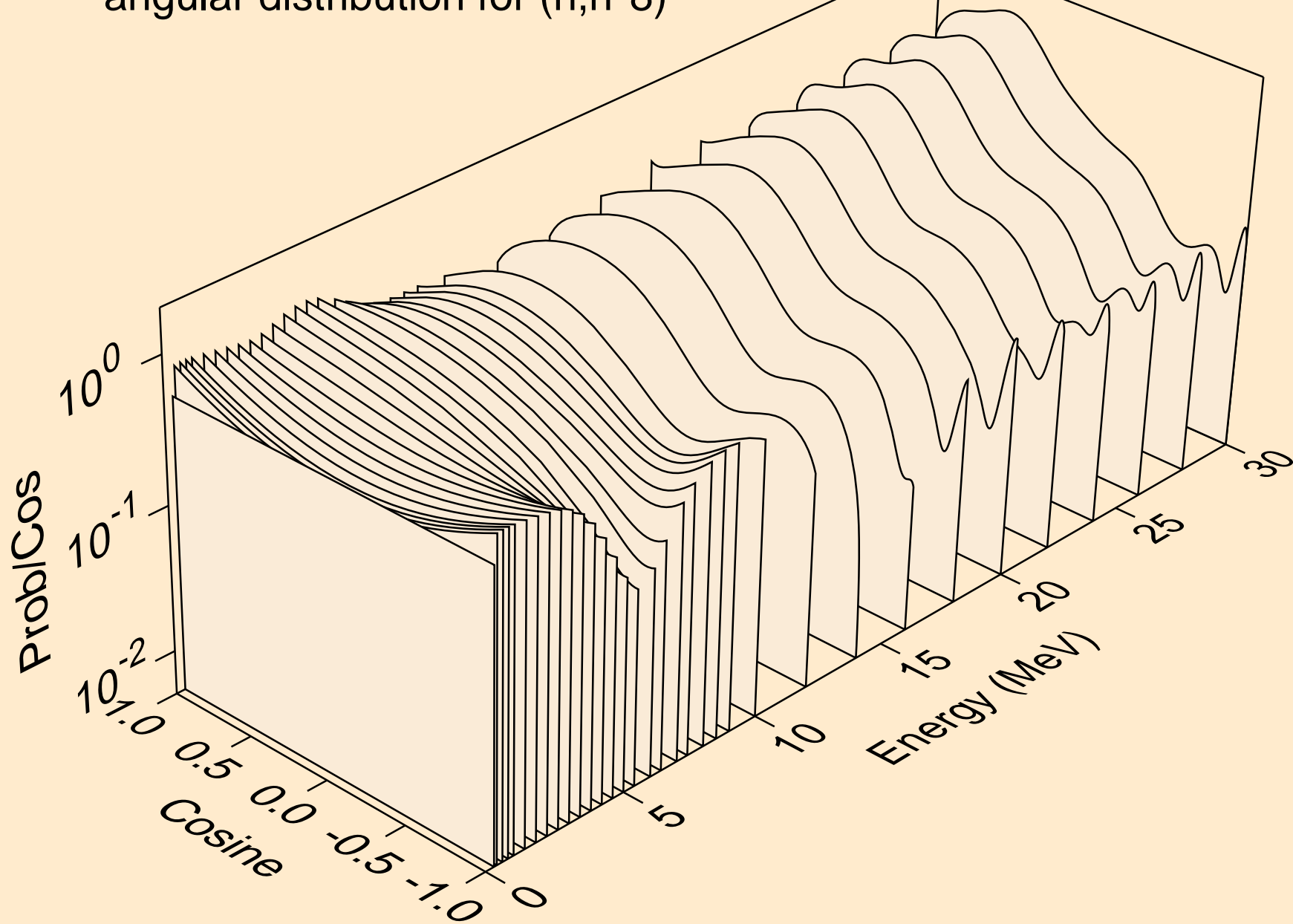
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angular distribution for (n,n\*6)



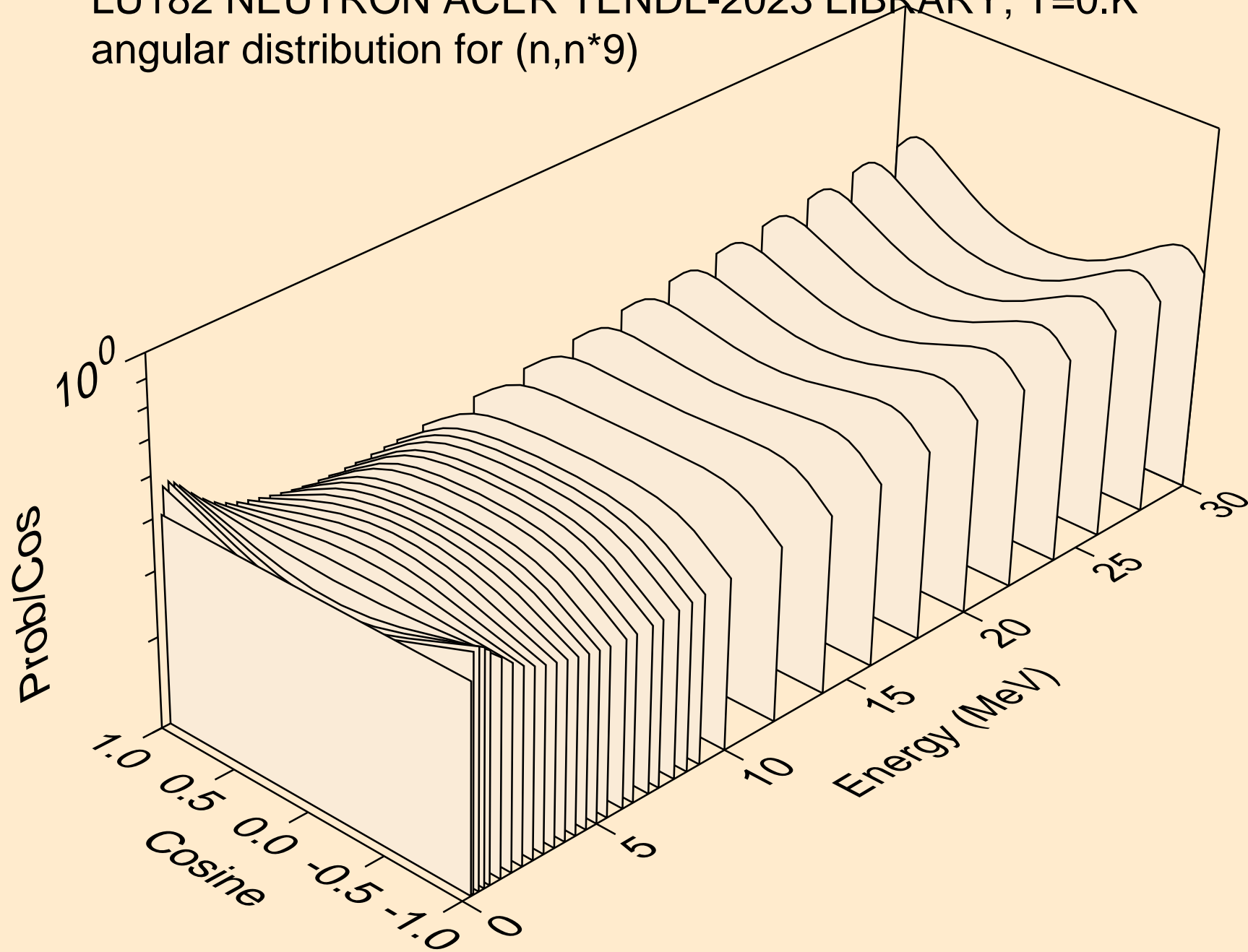
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angular distribution for (n,n\*7)



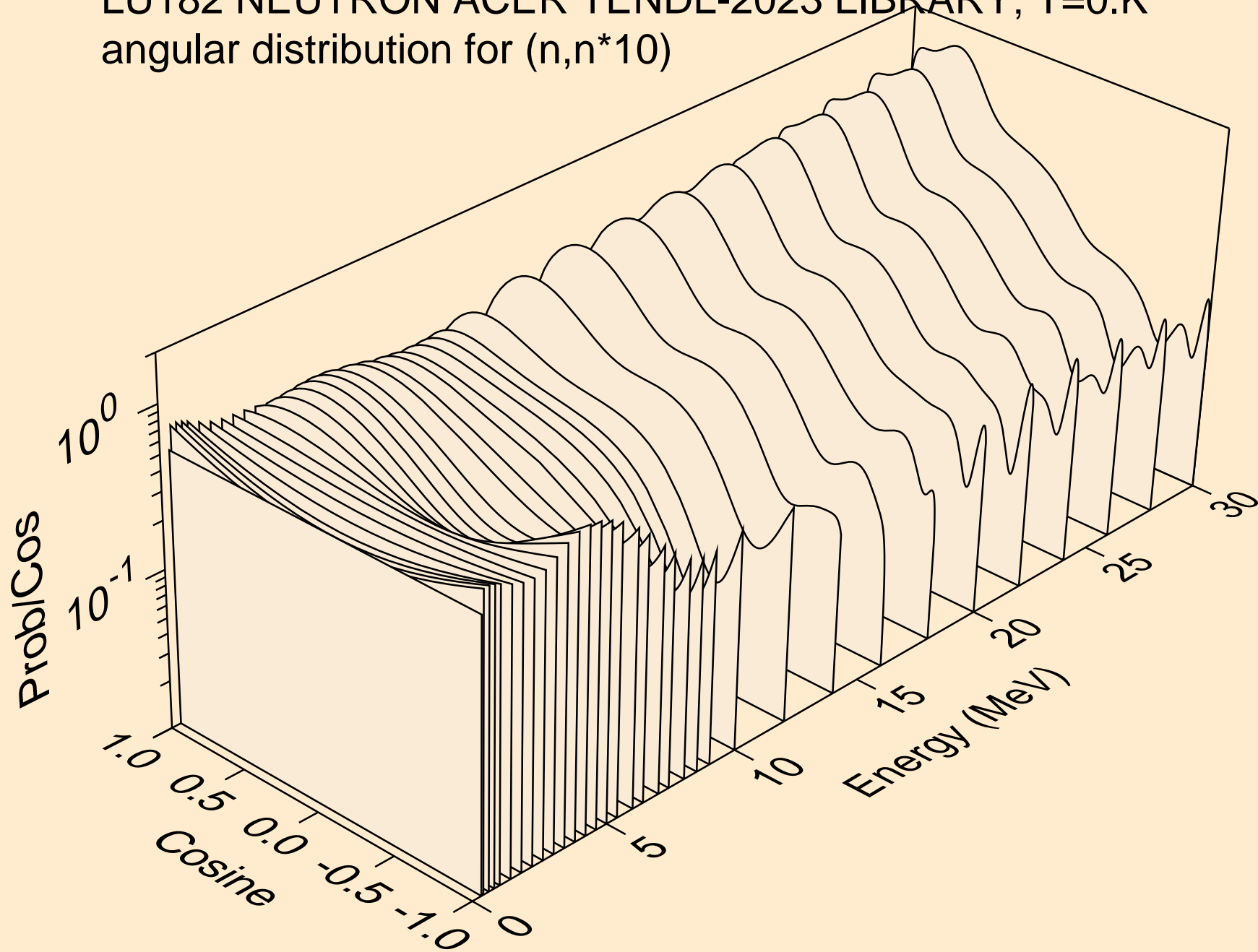
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angular distribution for (n,n\*8)



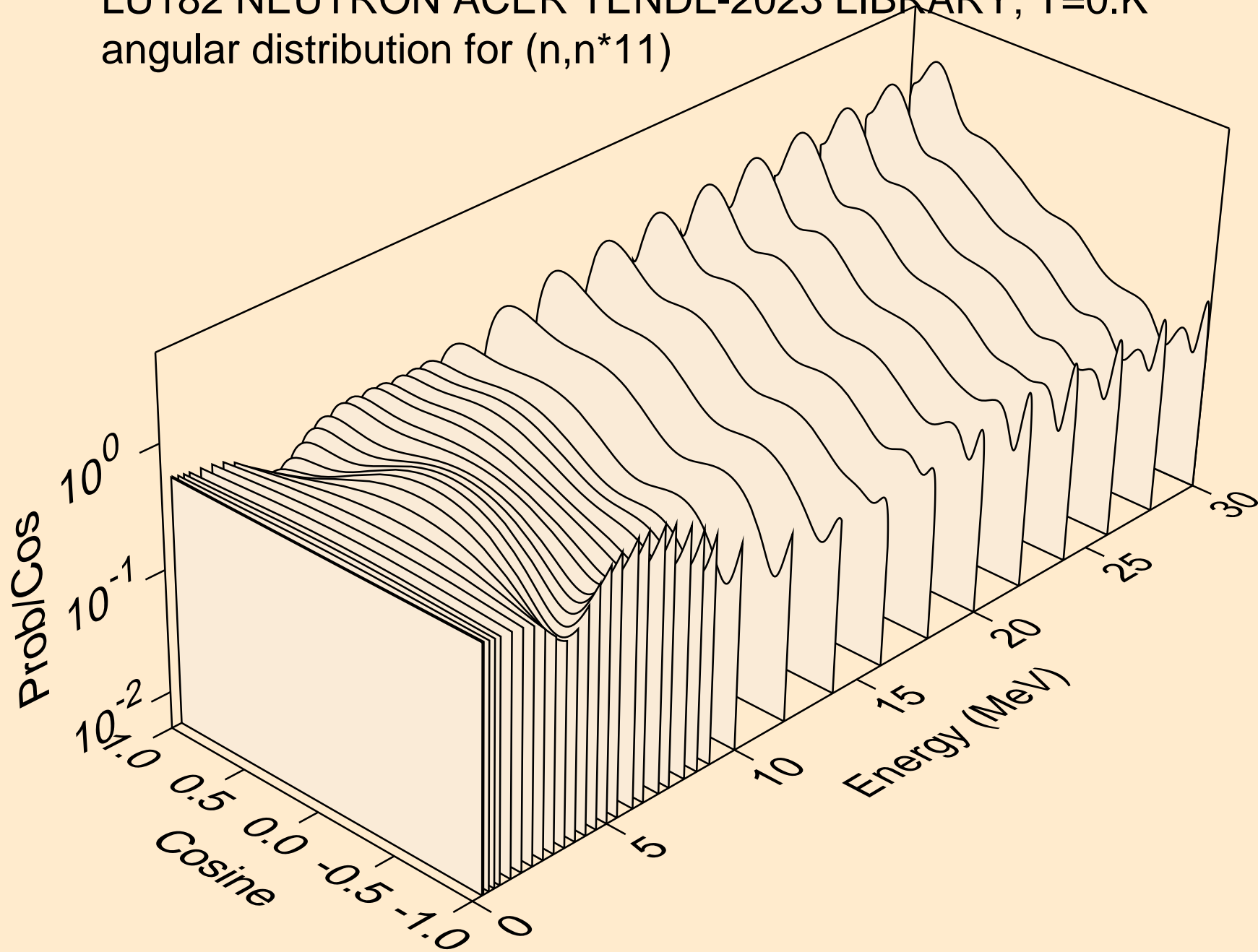
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angular distribution for (n,n\*9)



LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

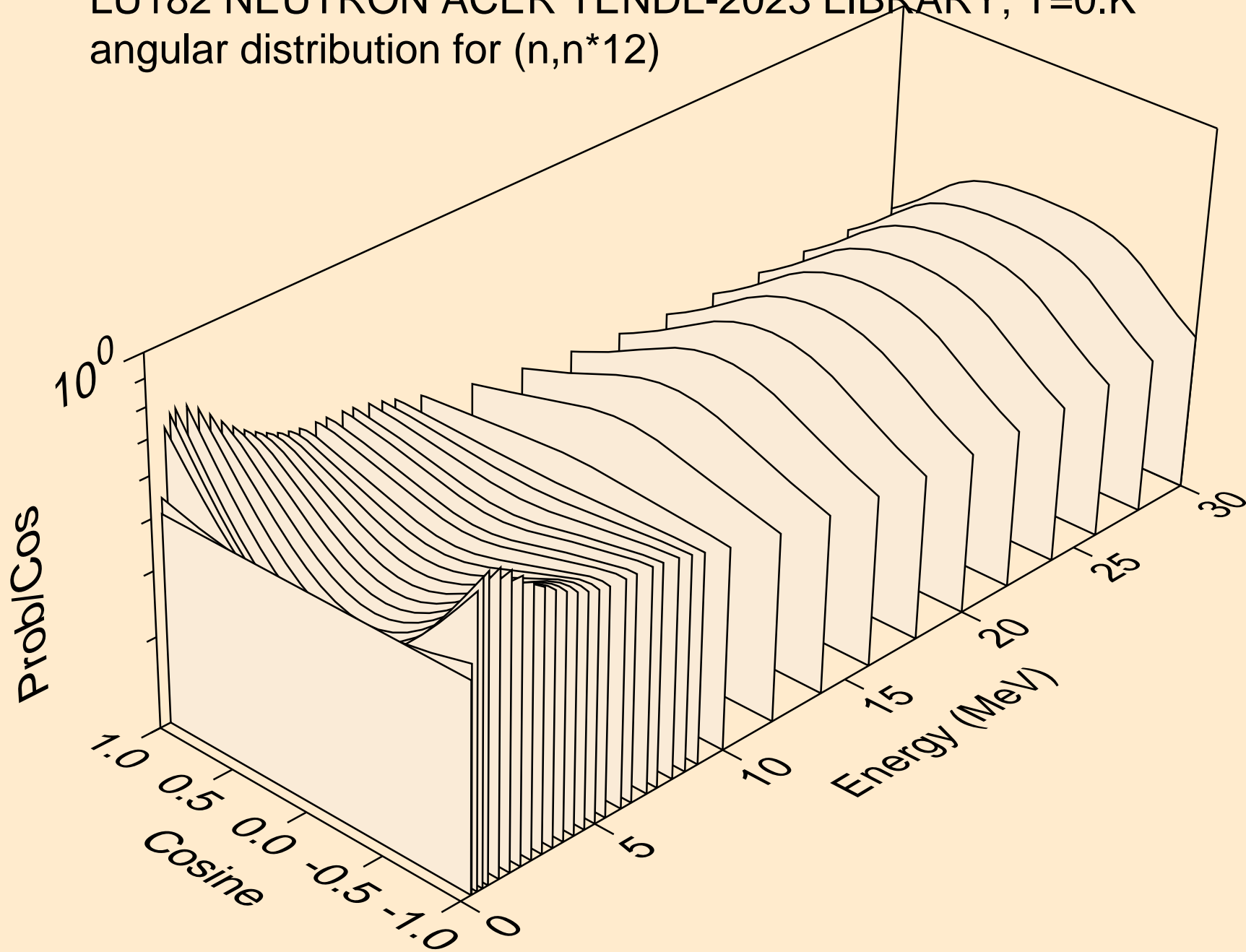


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angular distribution for (n,n\*11)

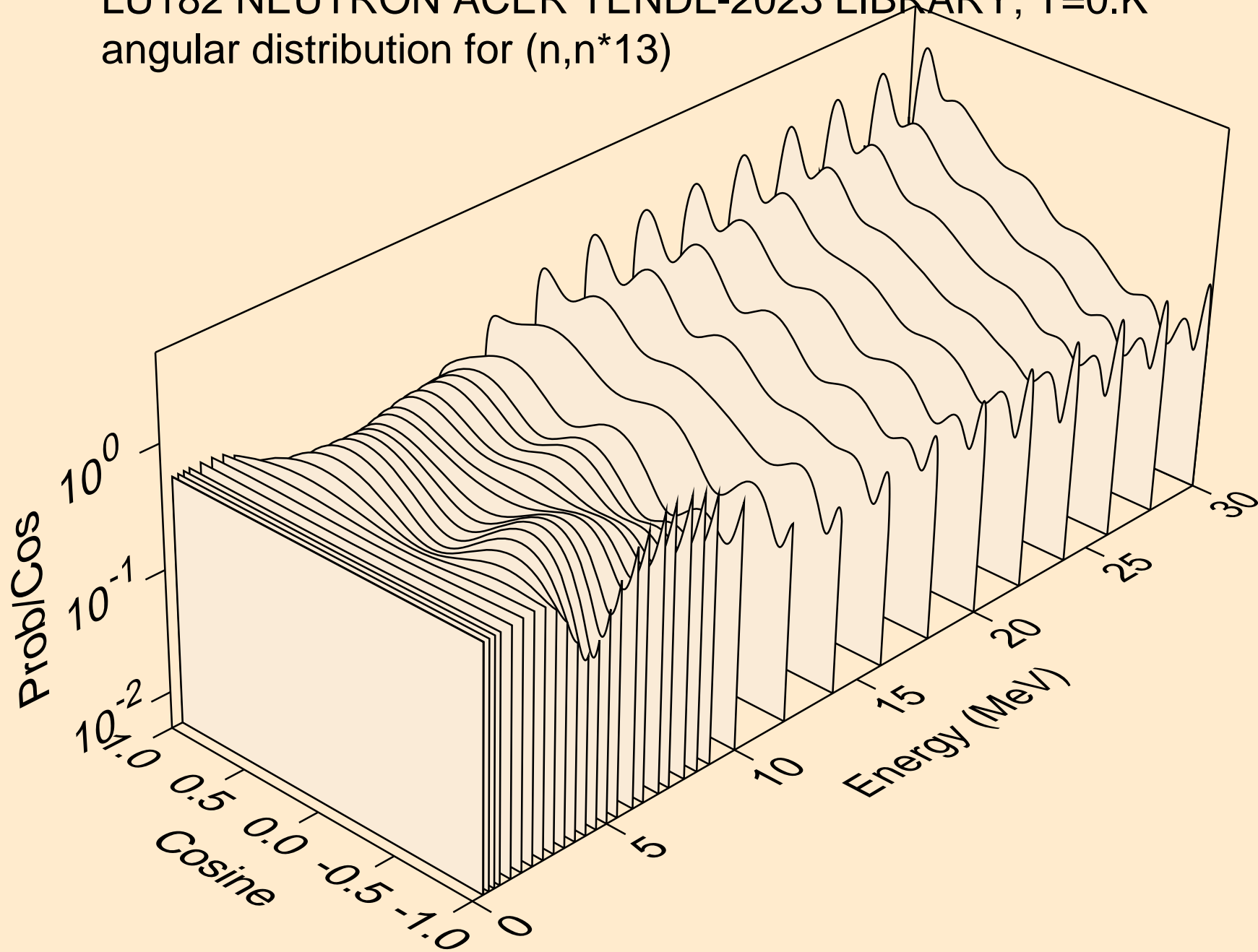




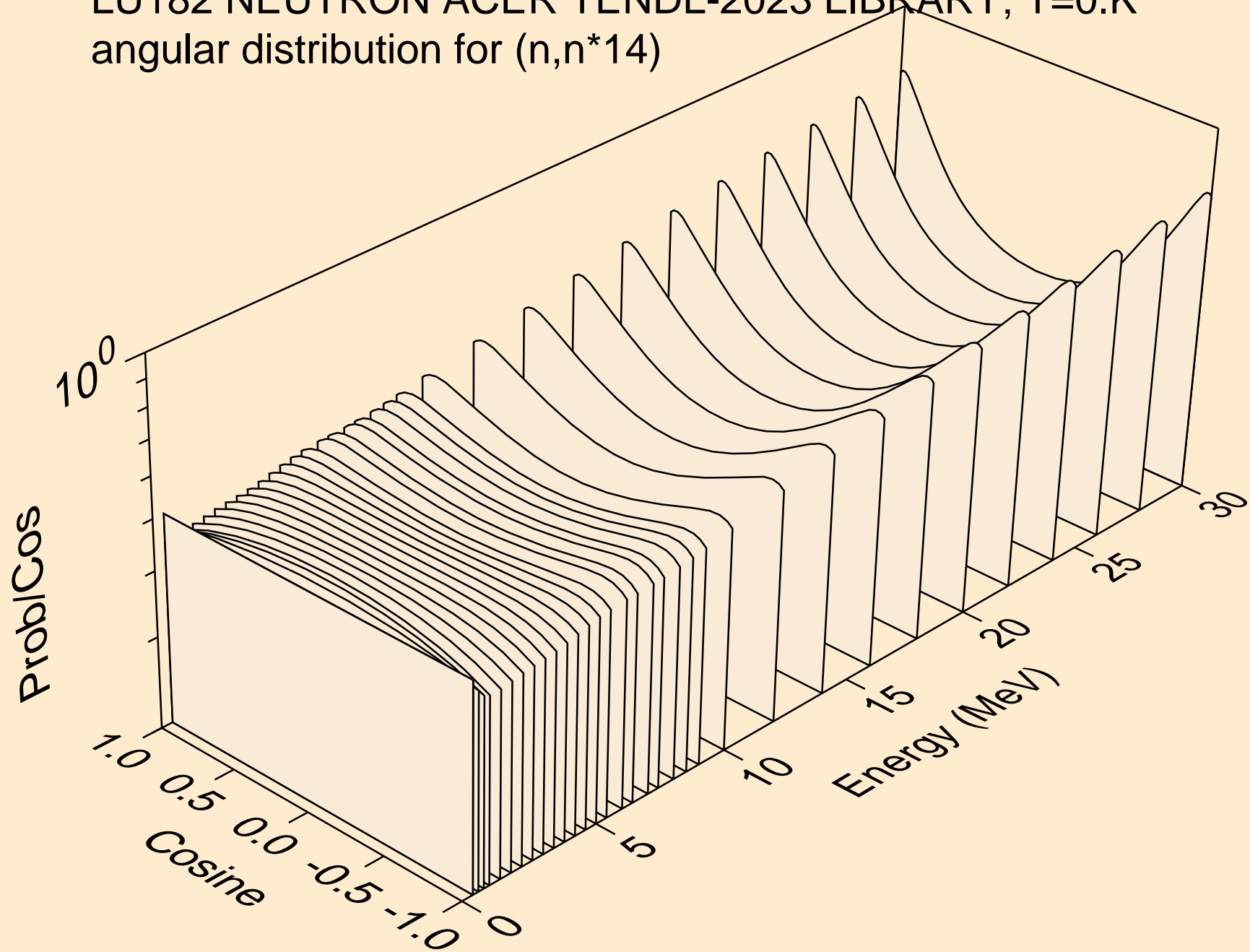
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angular distribution for (n,n\*12)



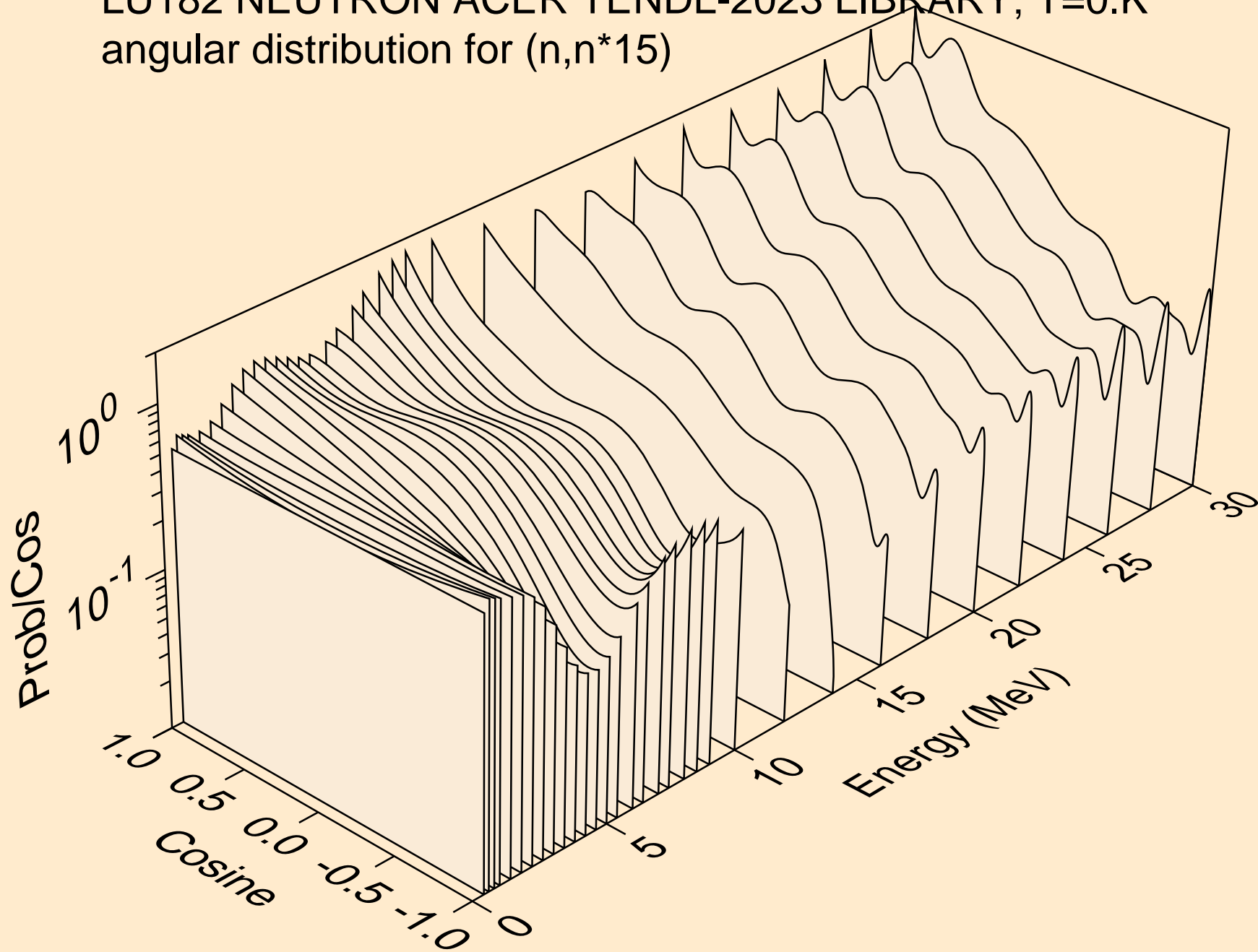
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angular distribution for (n,n\*13)



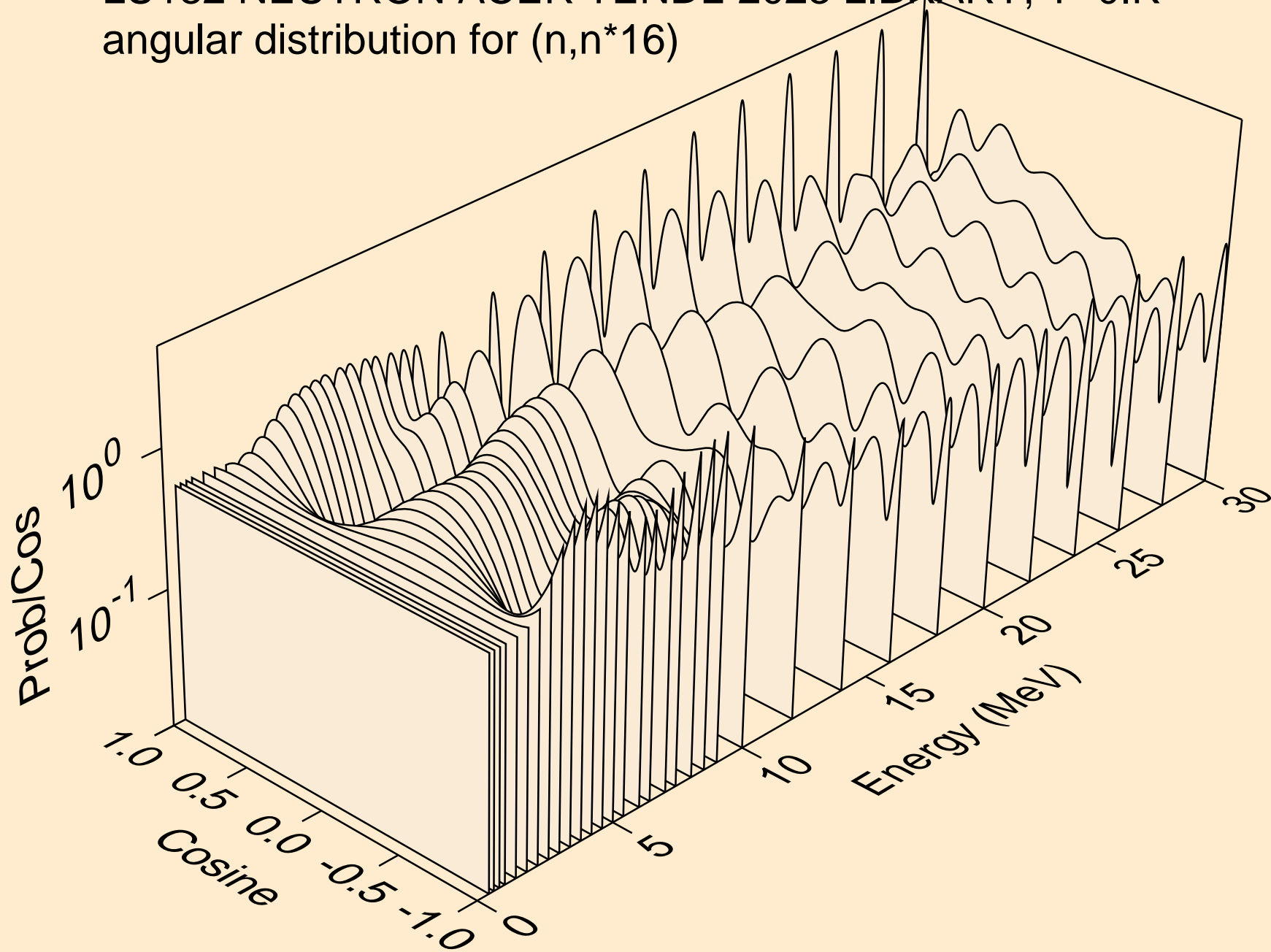
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angular distribution for (n,n\*14)



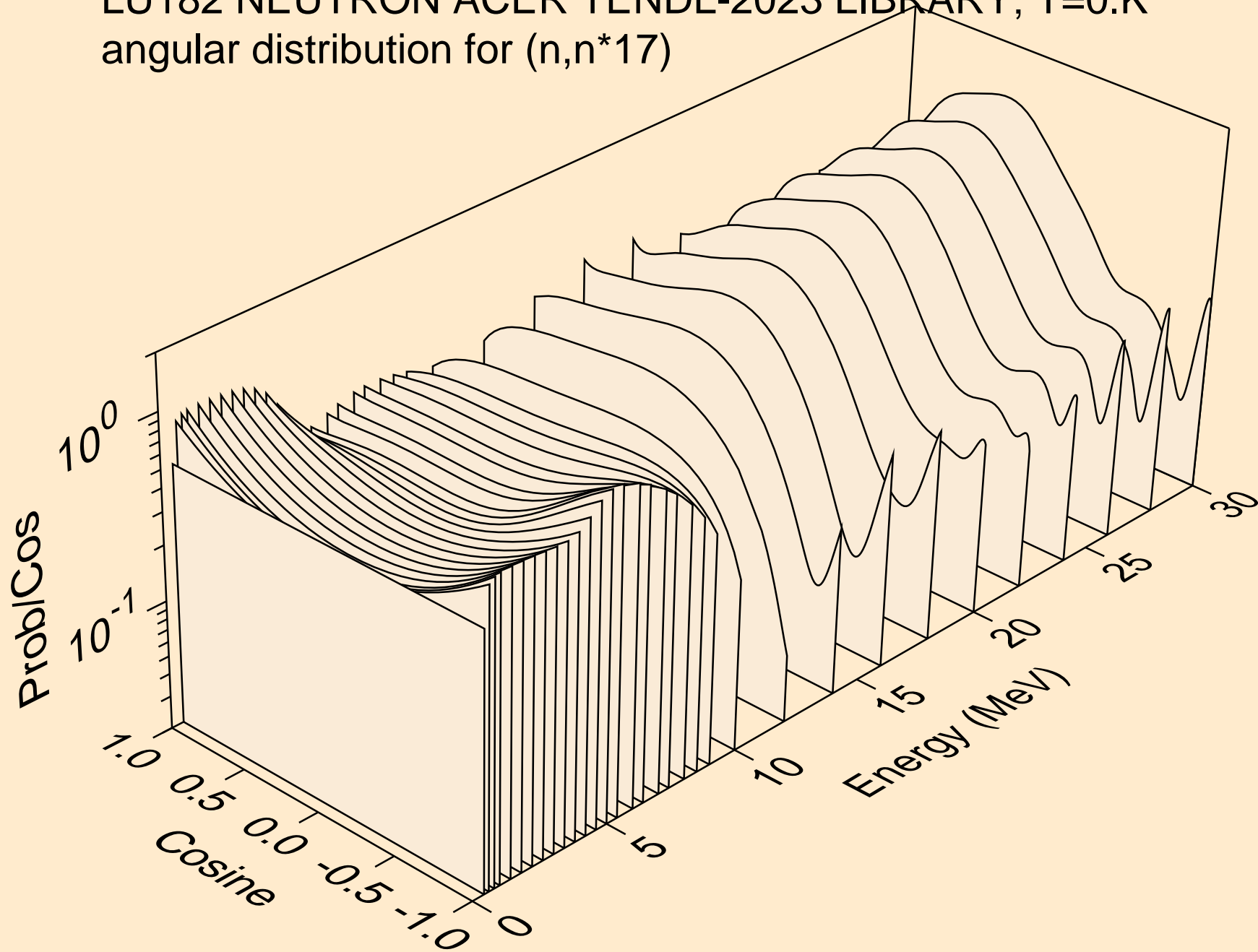
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angular distribution for (n,n\*15)



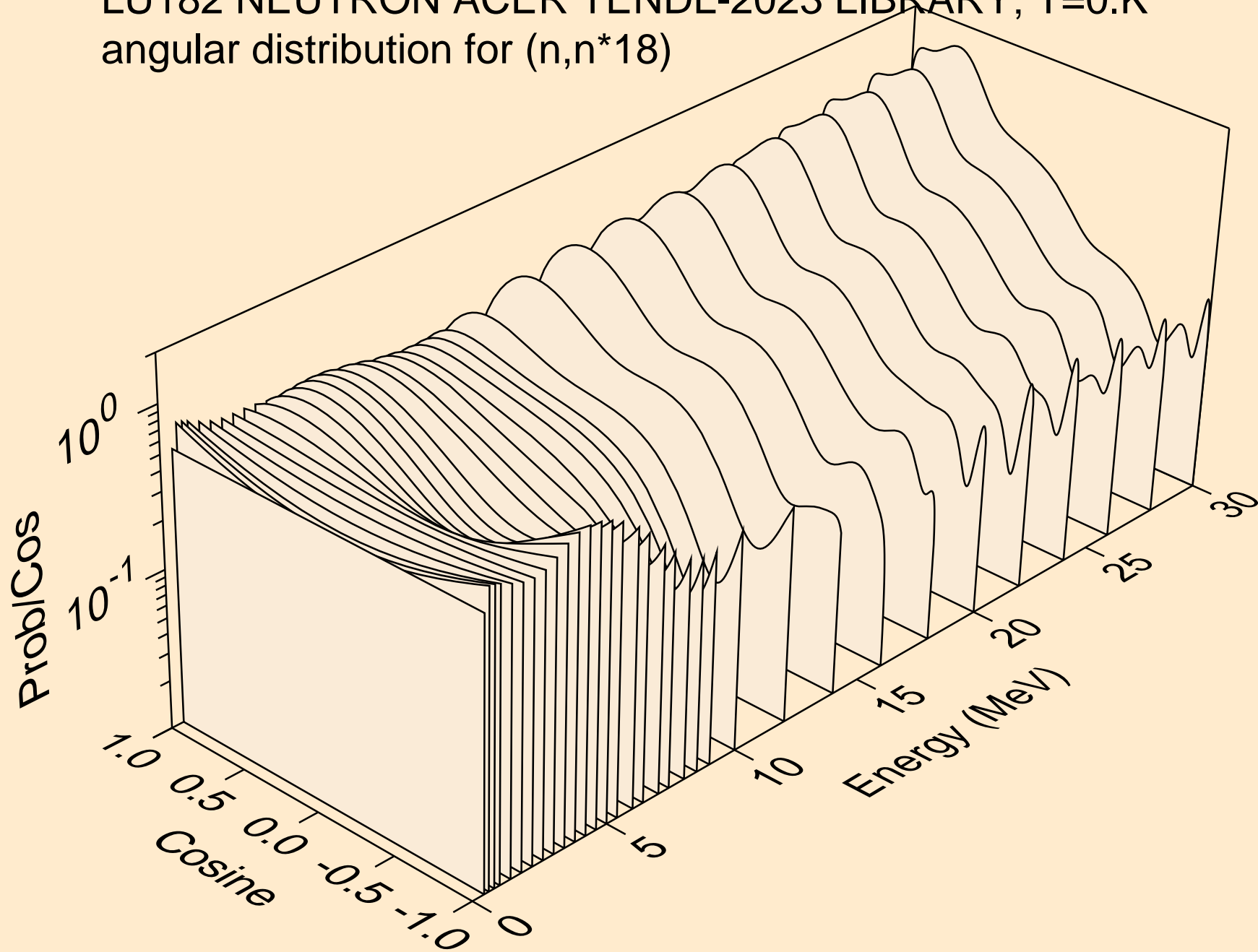
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angular distribution for (n,n\*16)



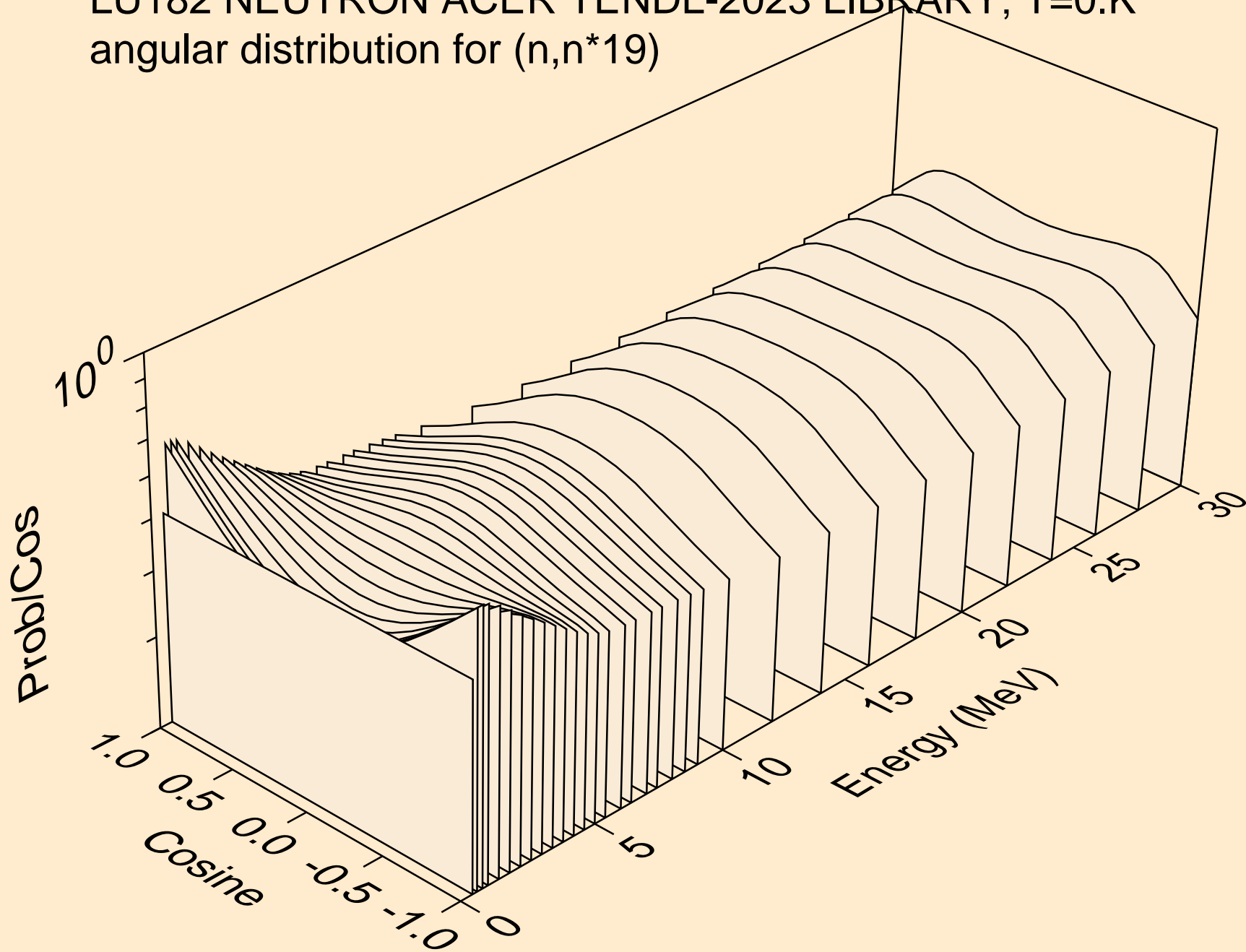
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angular distribution for (n,n\*17)



LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*18)

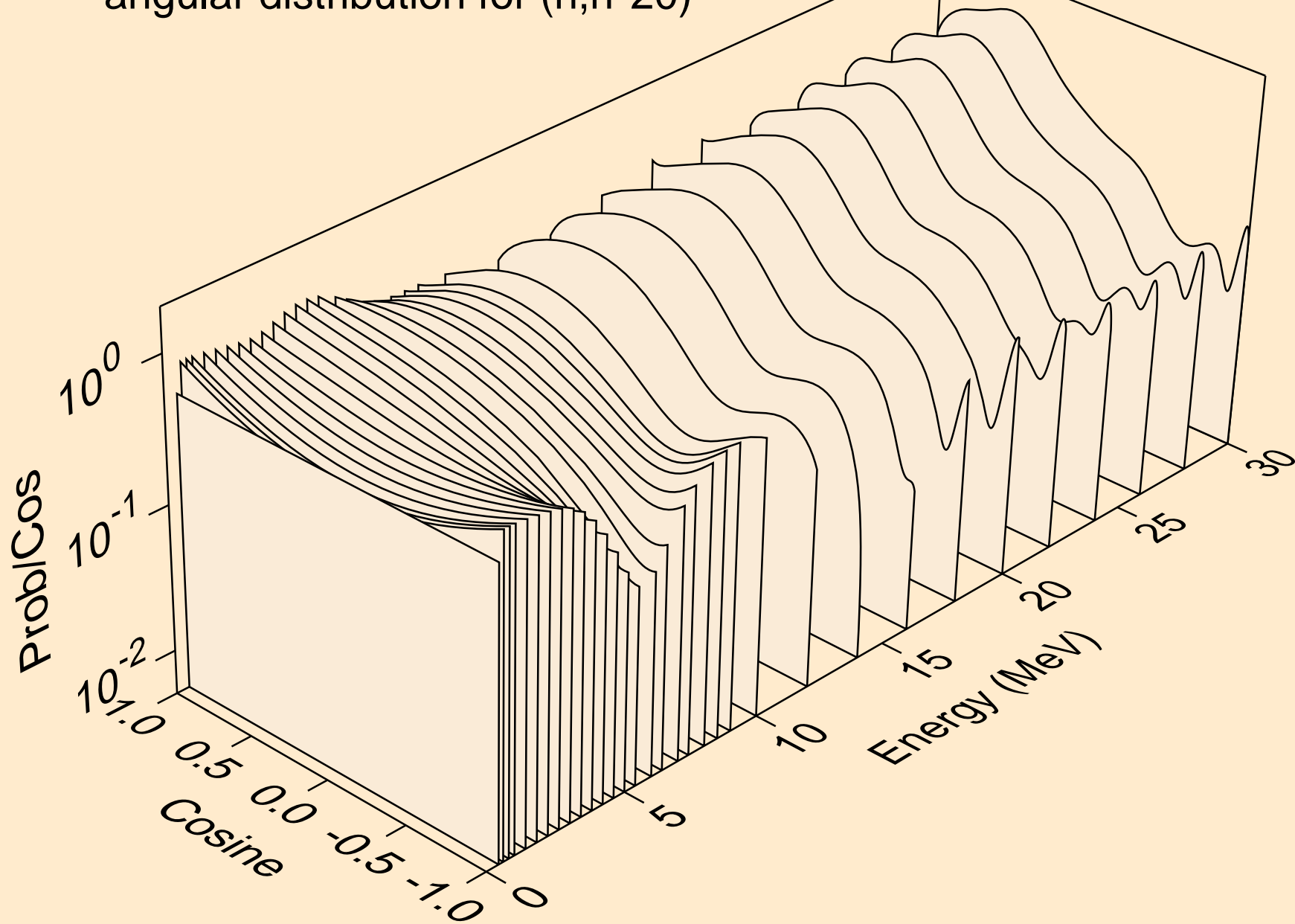


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angular distribution for (n,n\*19)

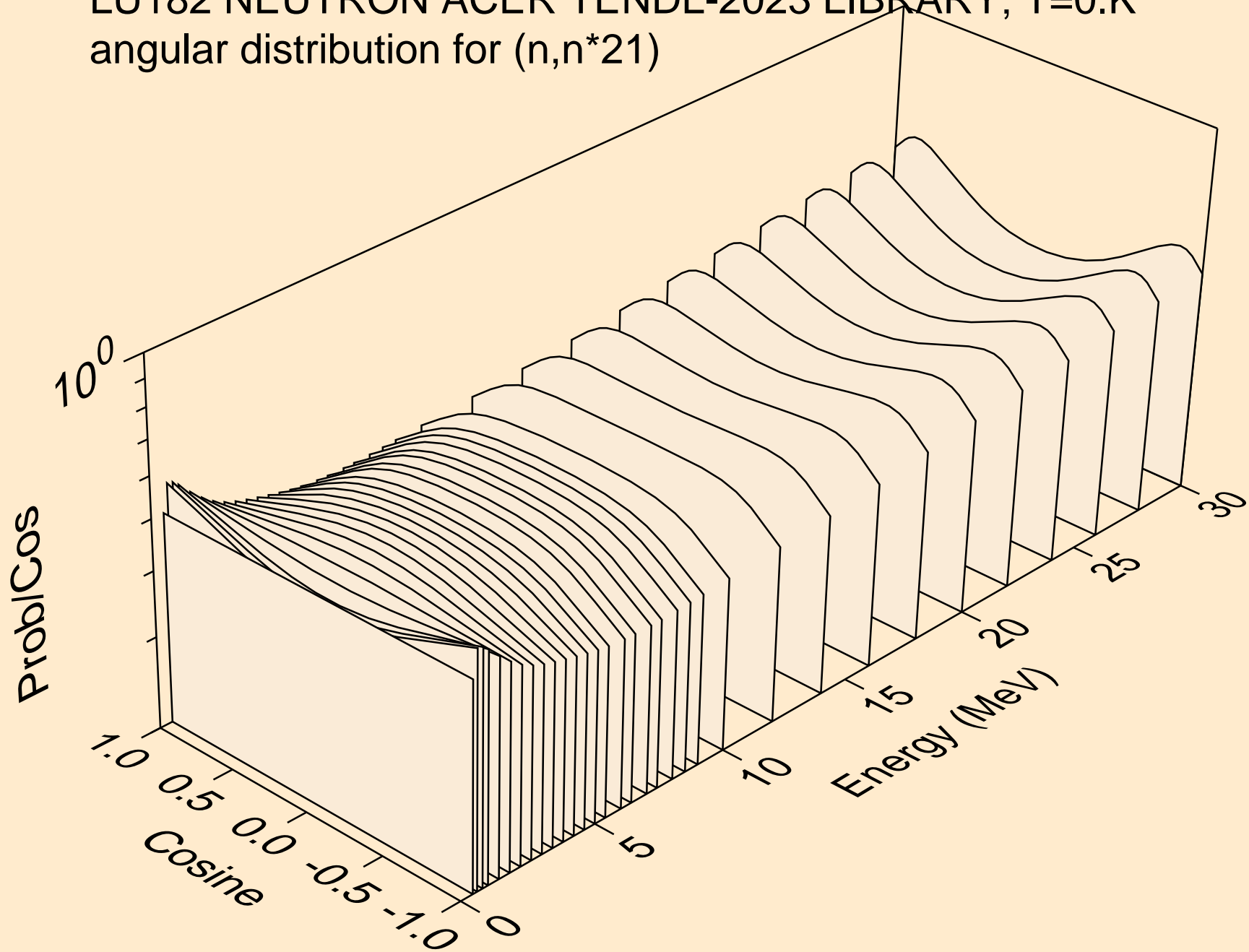




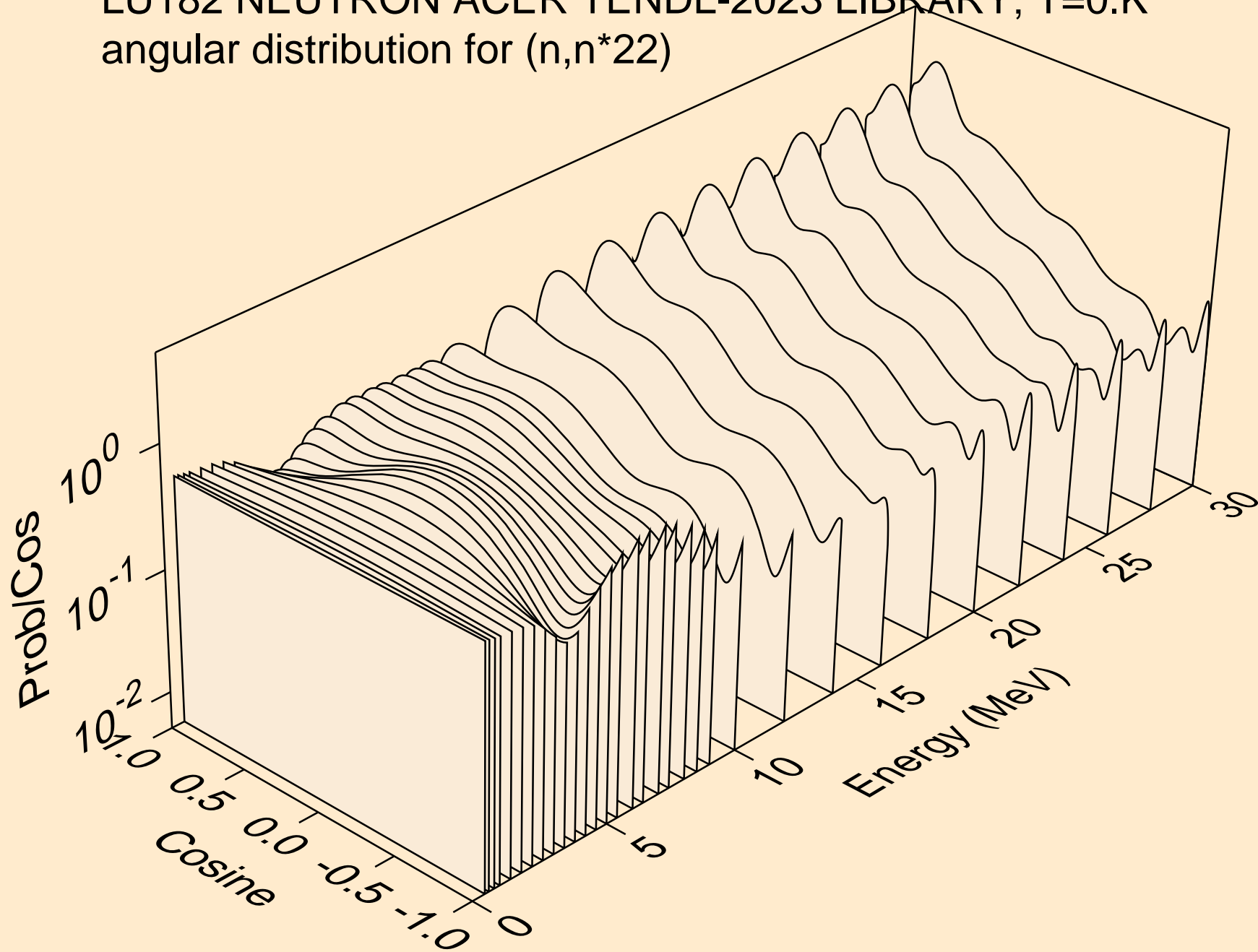
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angular distribution for (n,n\*20)



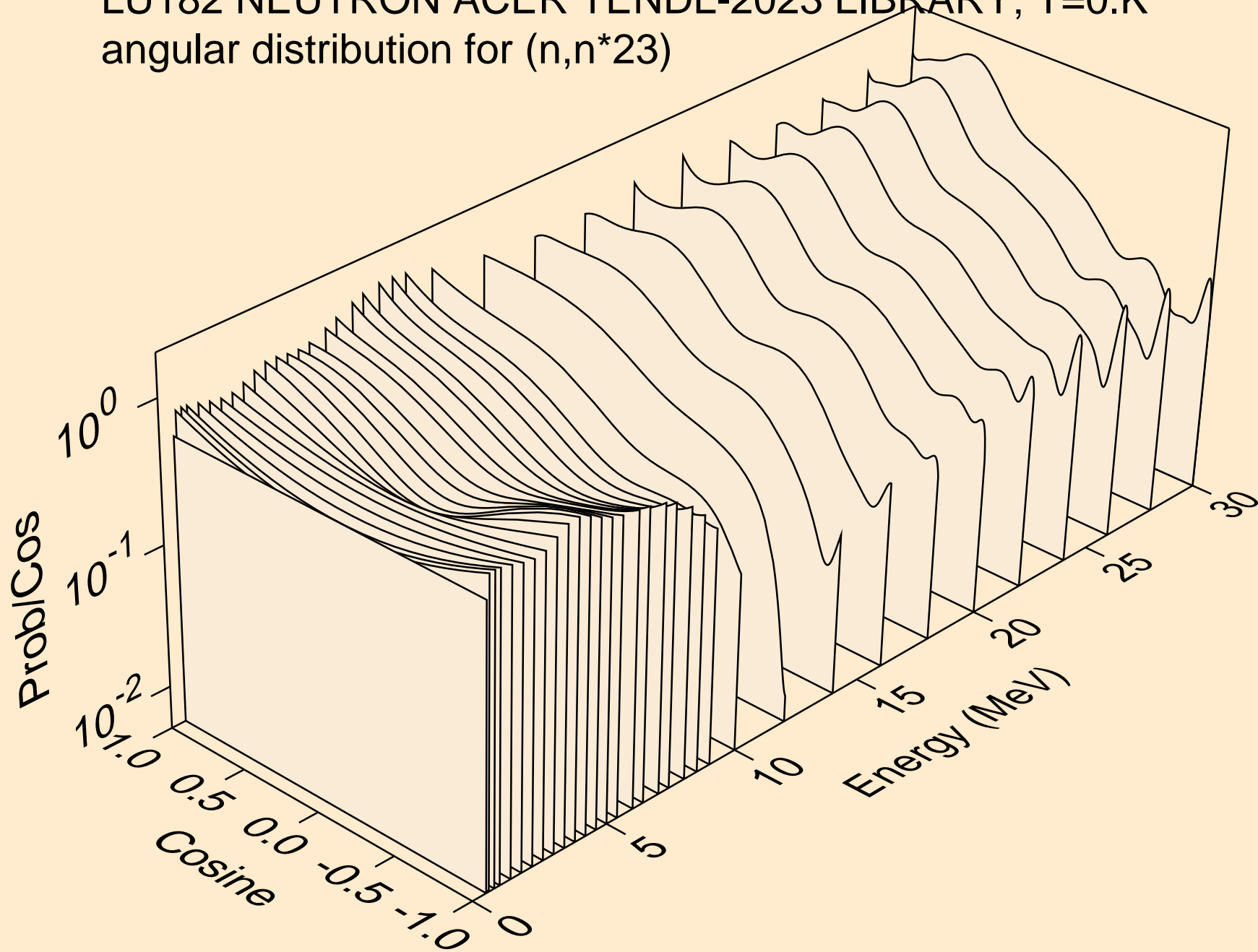
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angular distribution for (n,n\*21)



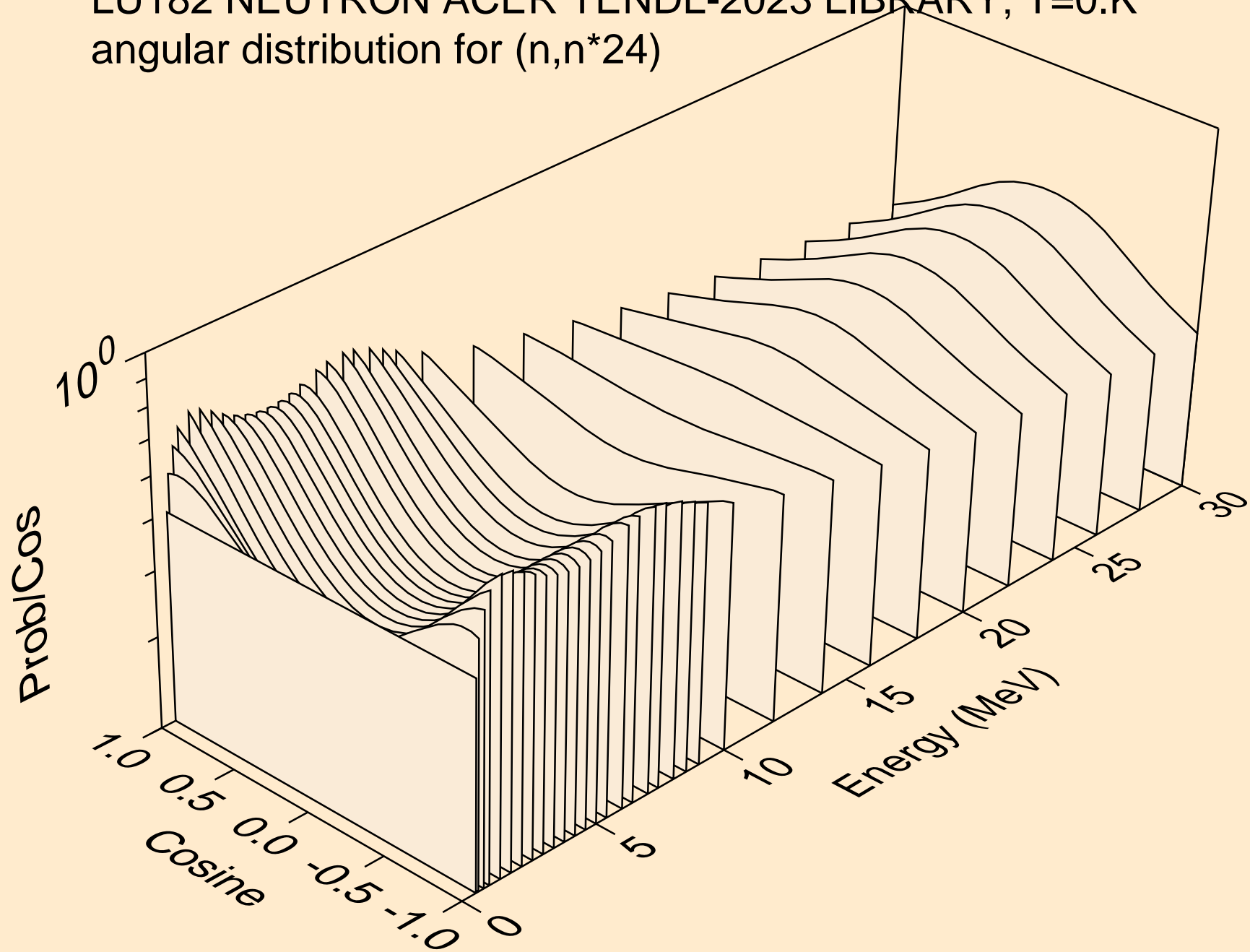
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angular distribution for (n,n\*22)



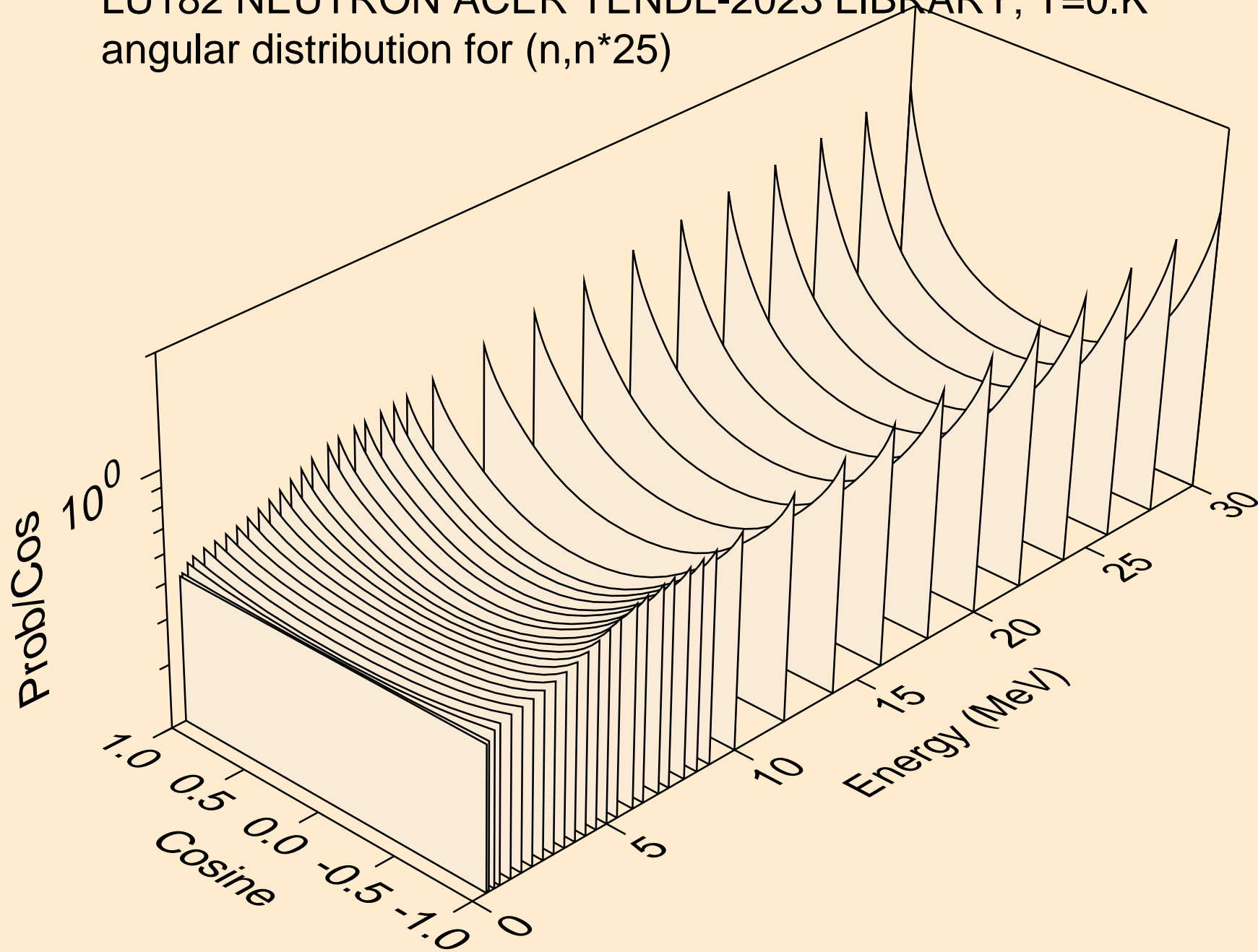
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angular distribution for (n,n\*23)



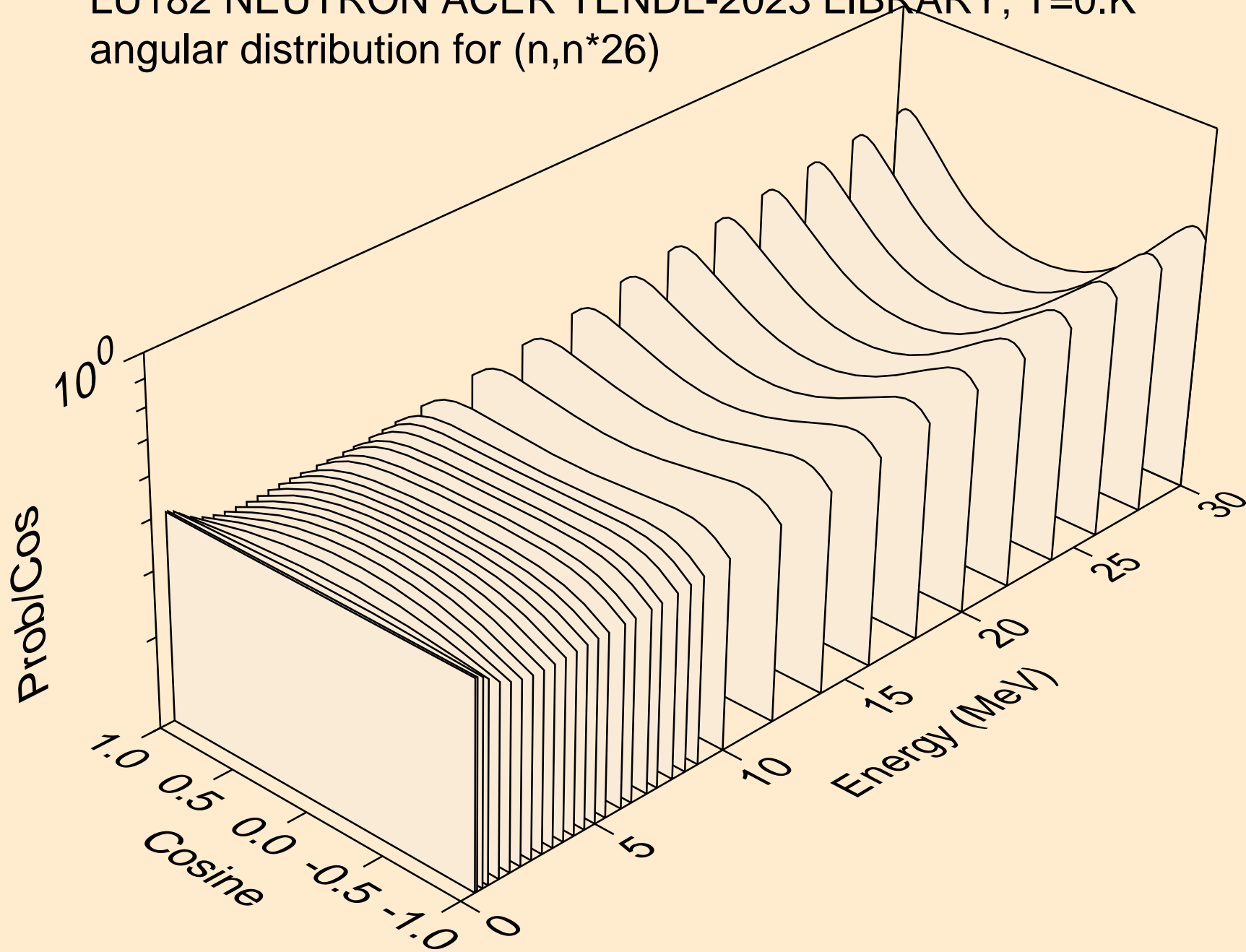
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angular distribution for (n,n\*24)



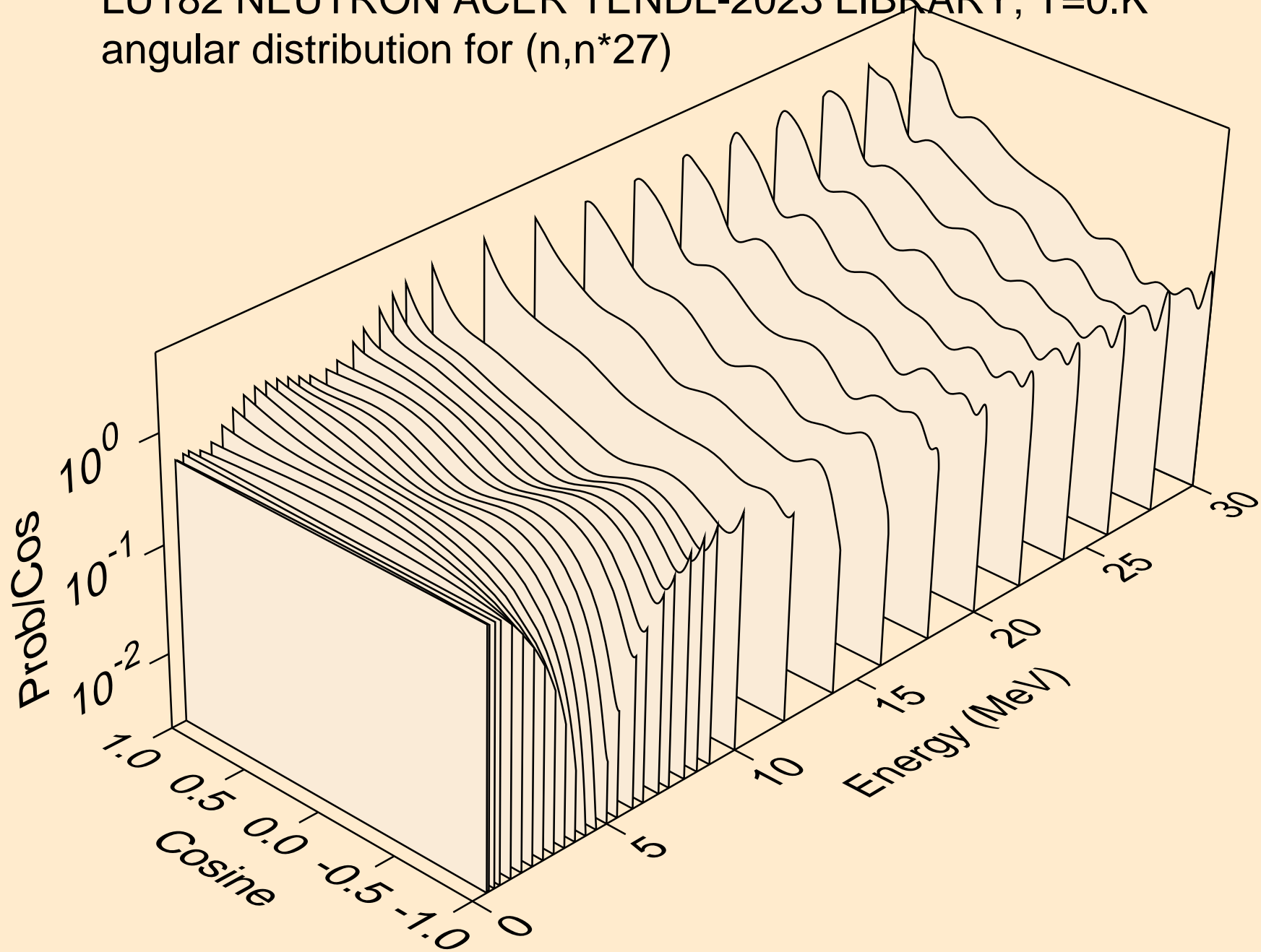
LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*25)



LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*26)

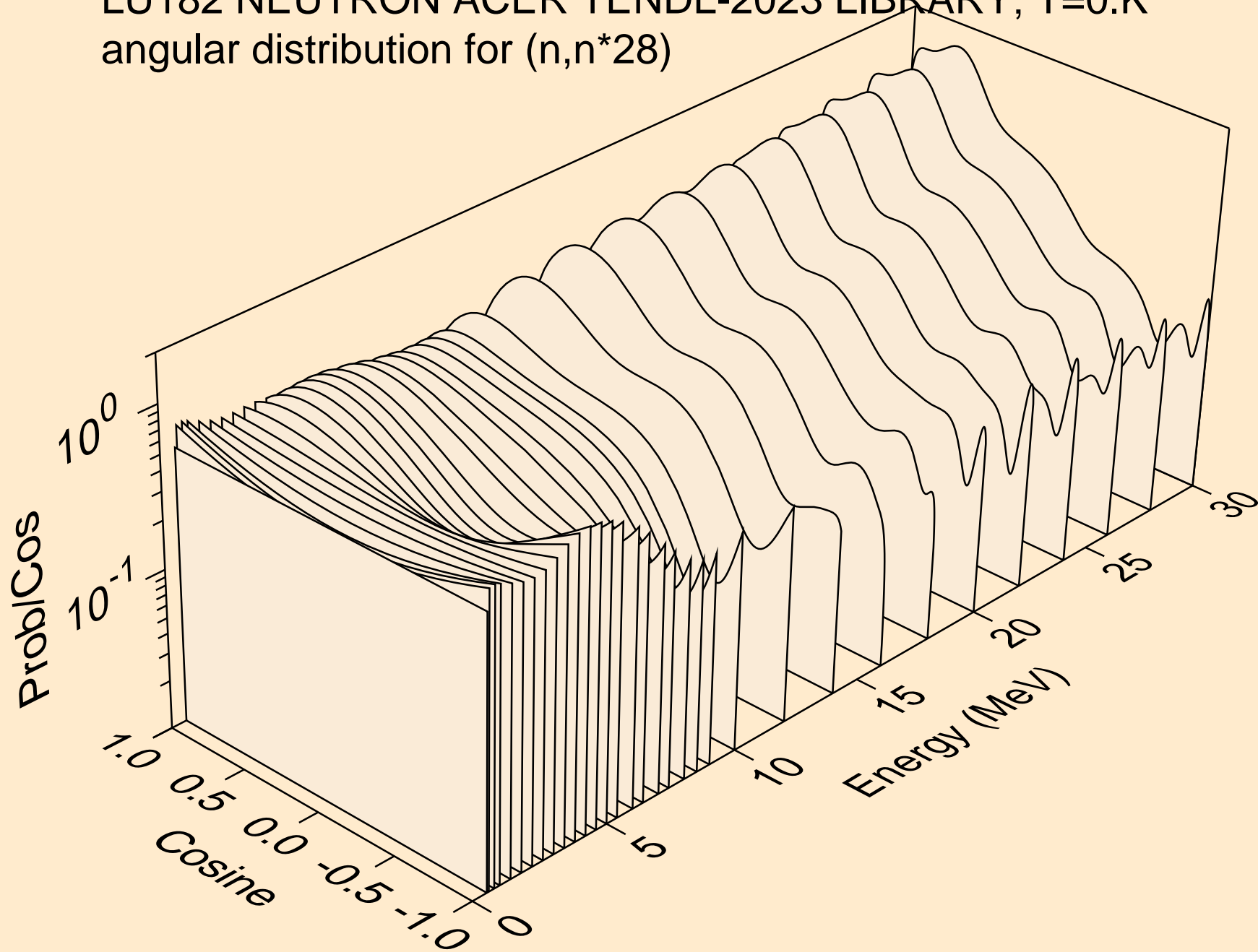


LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*27)

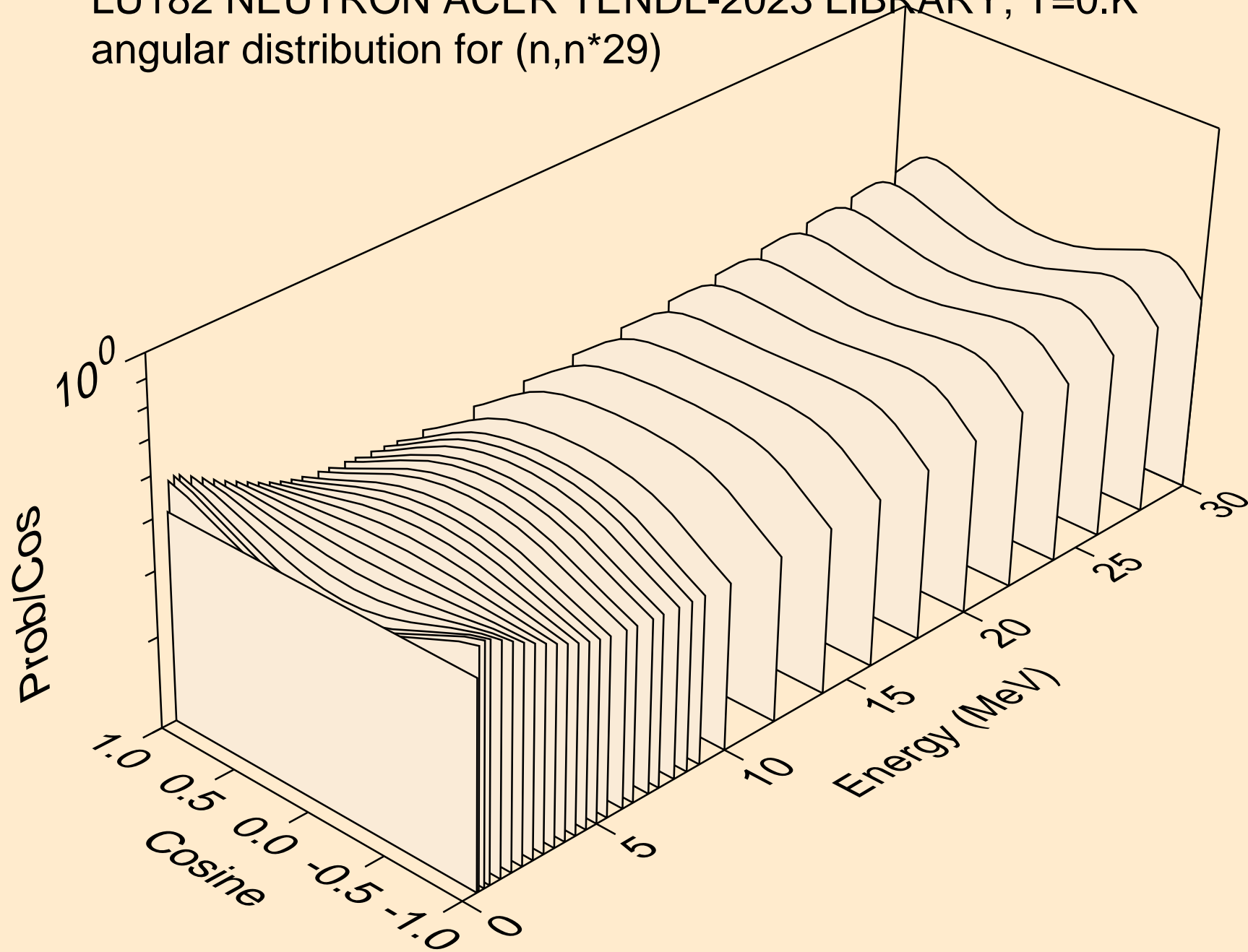




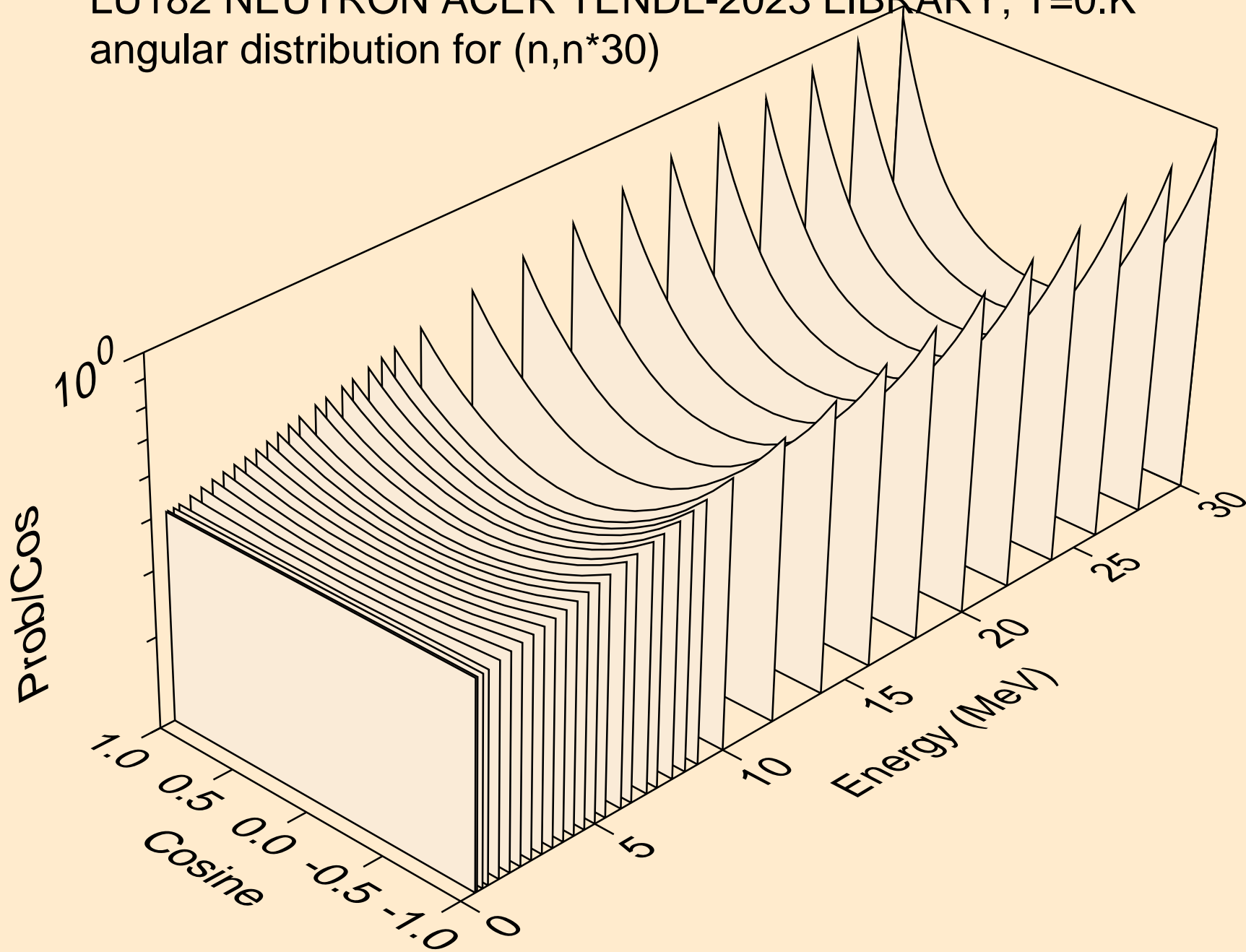
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angular distribution for (n,n\*28)



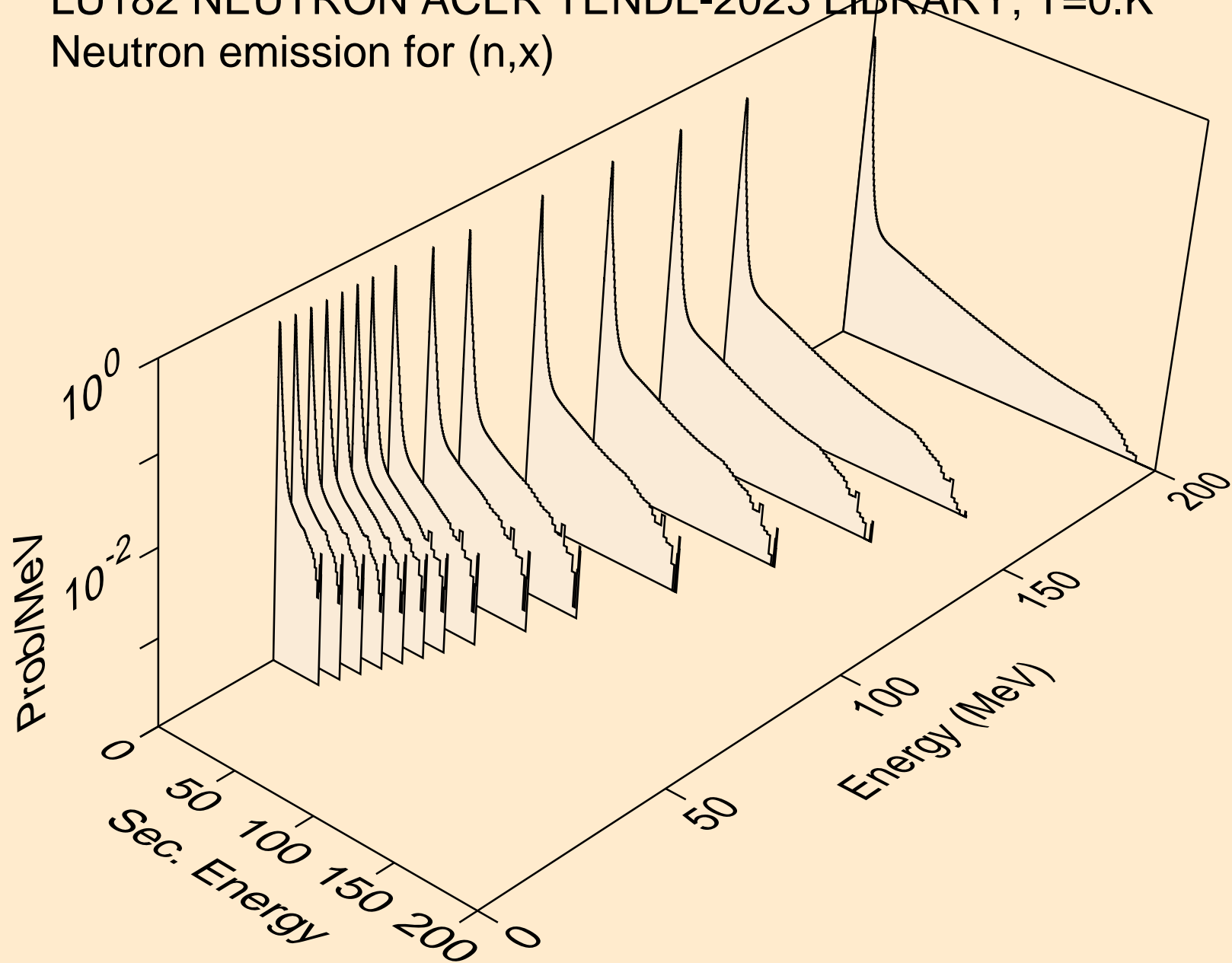
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angular distribution for (n,n\*29)



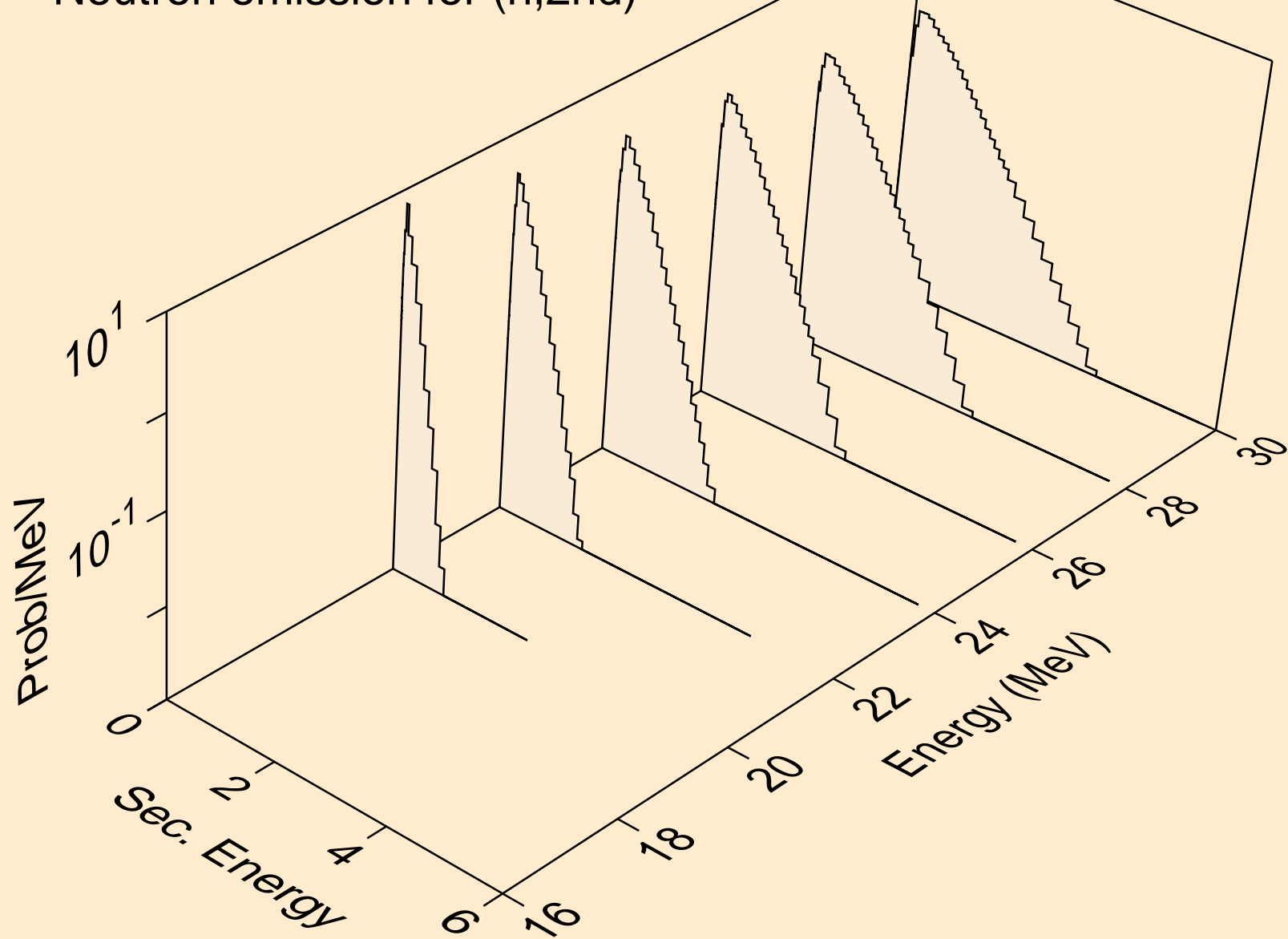
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angular distribution for (n,n\*30)



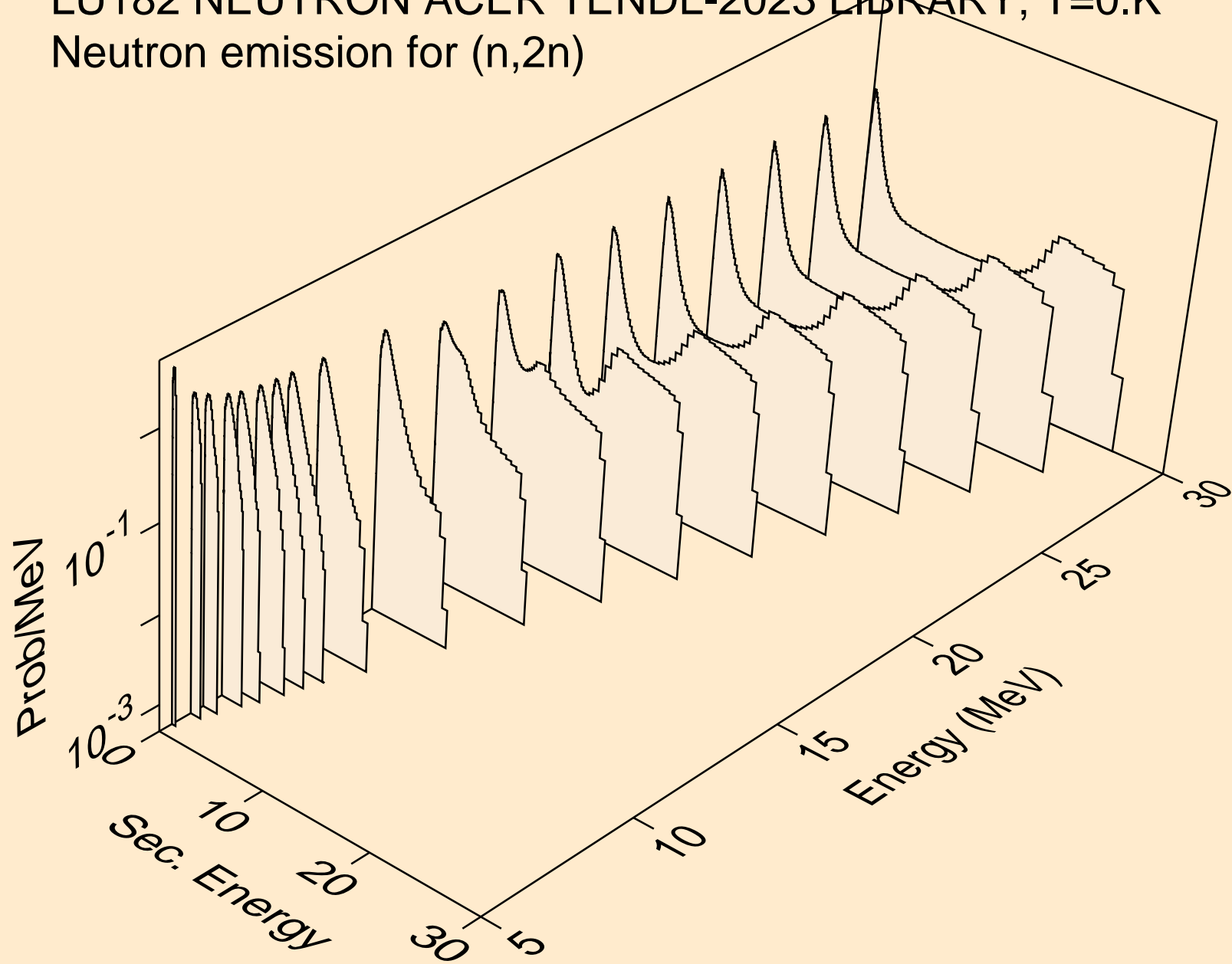
LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



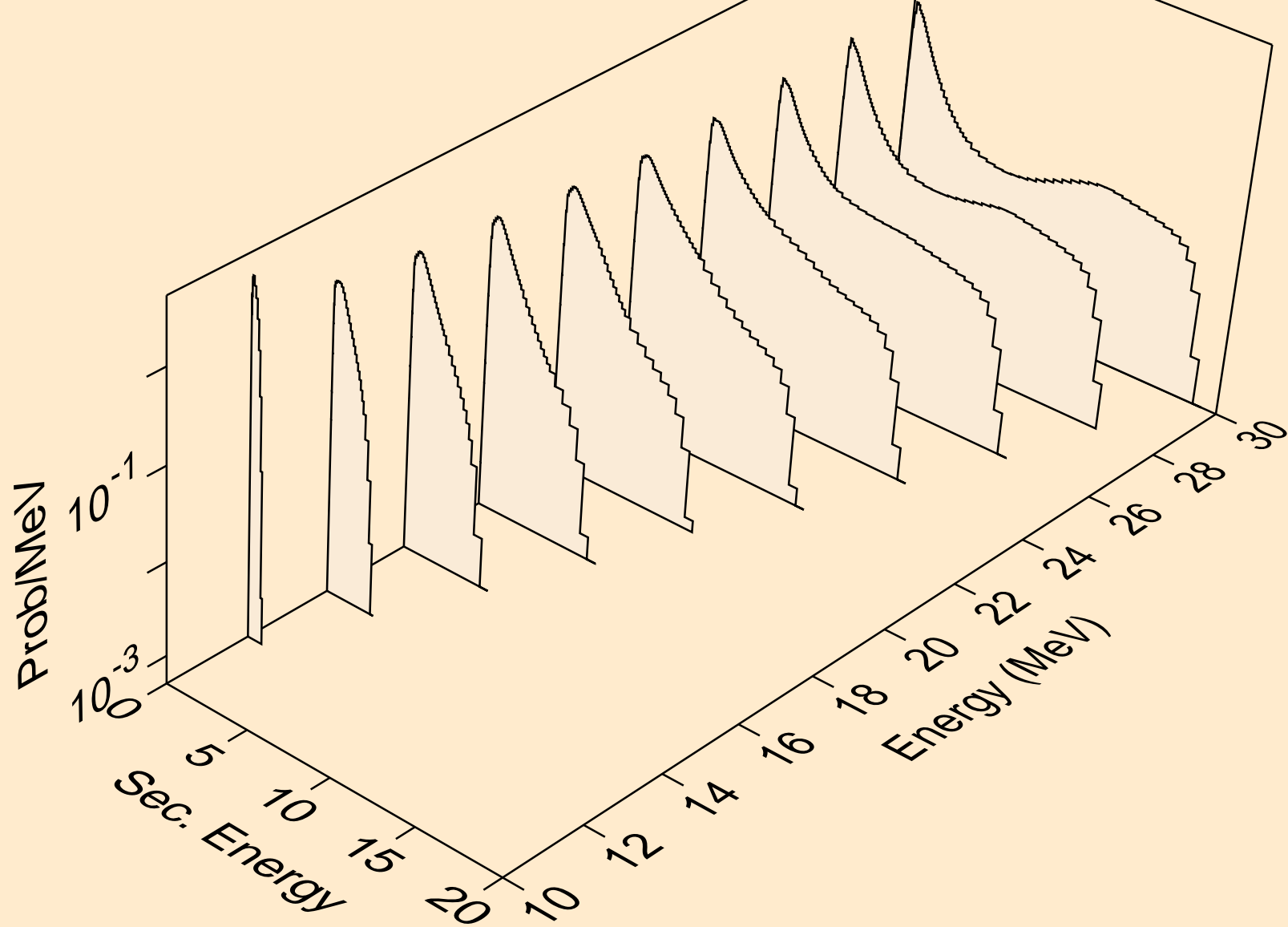
LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



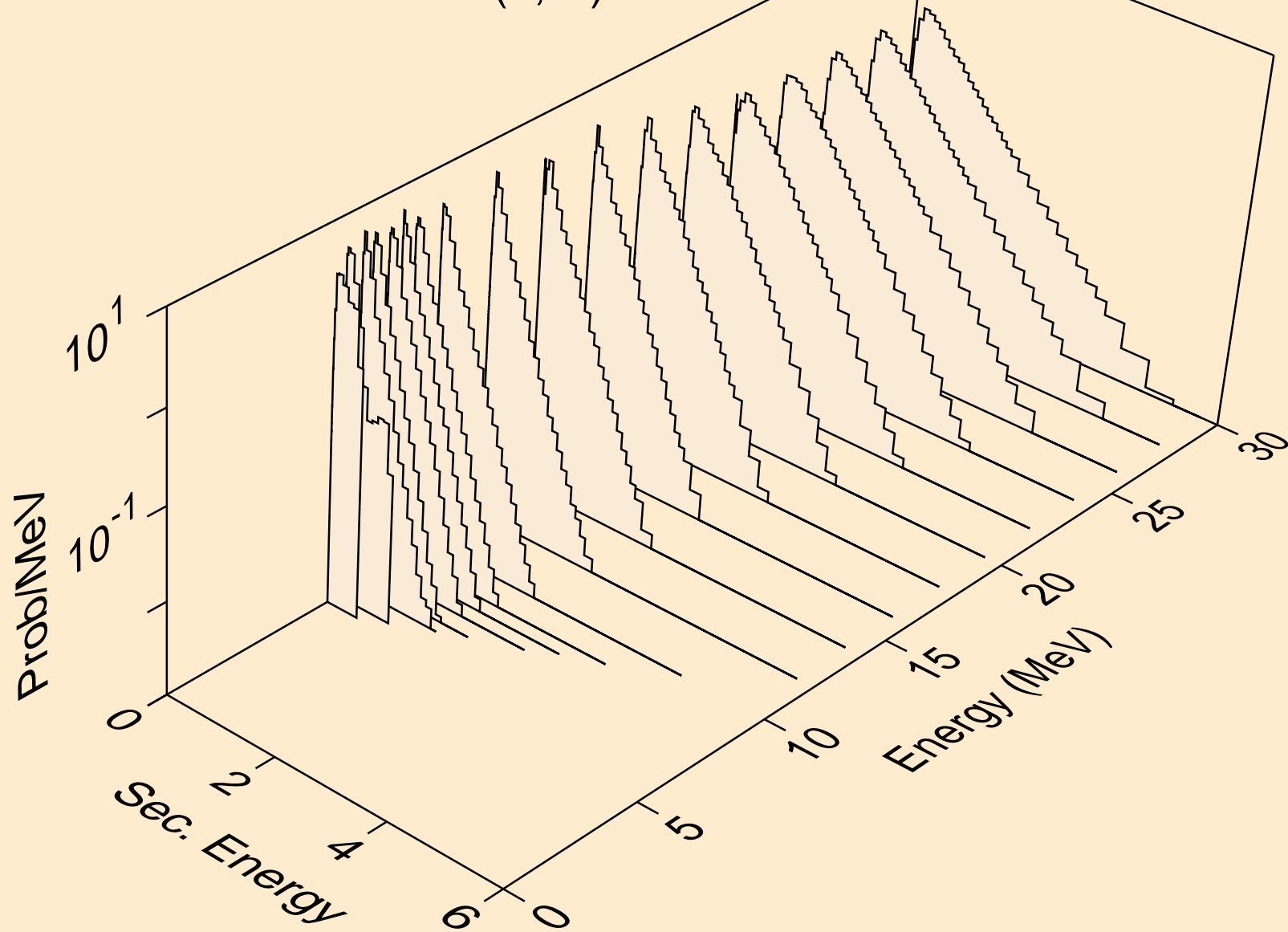
LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)

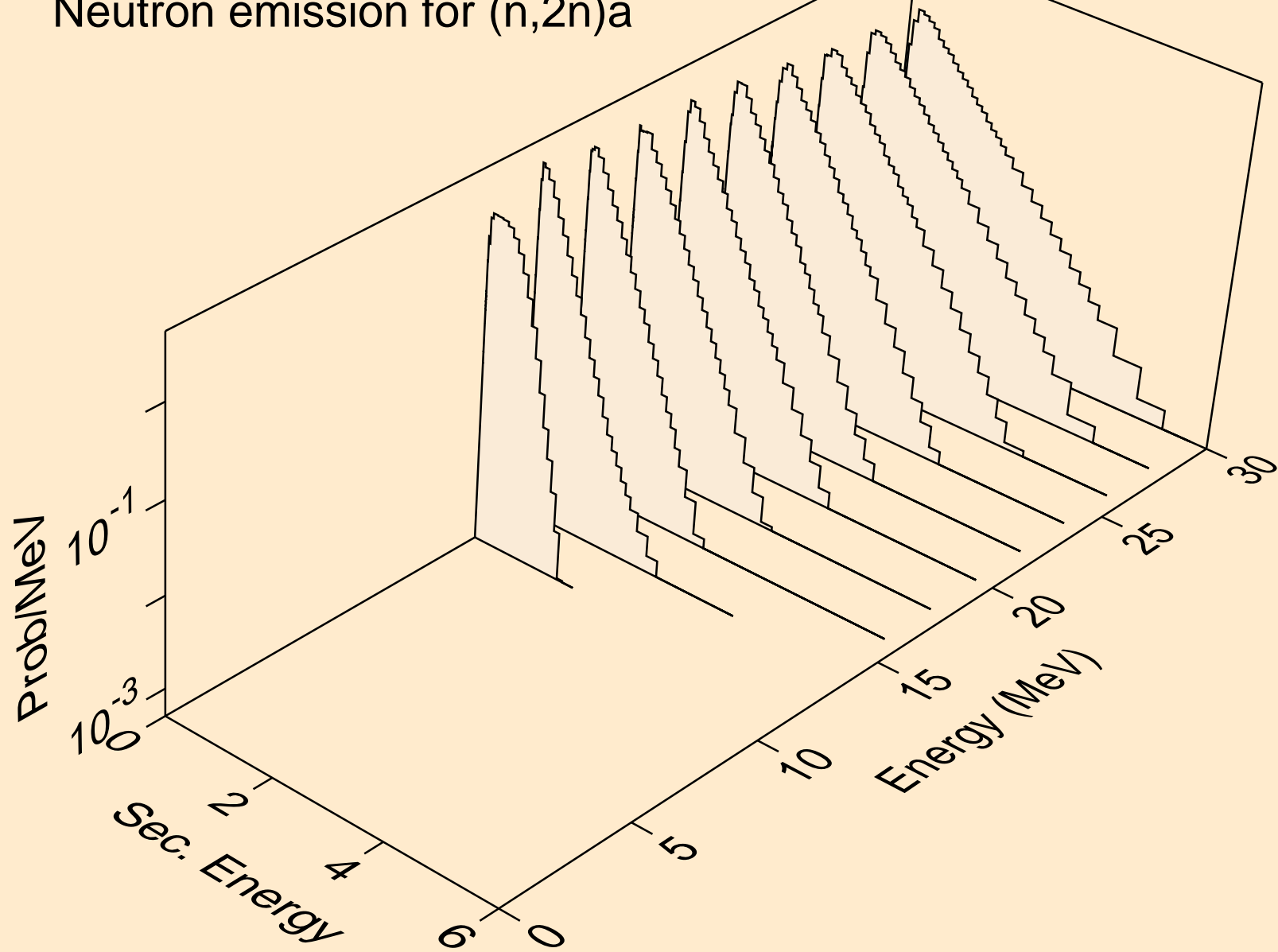


LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

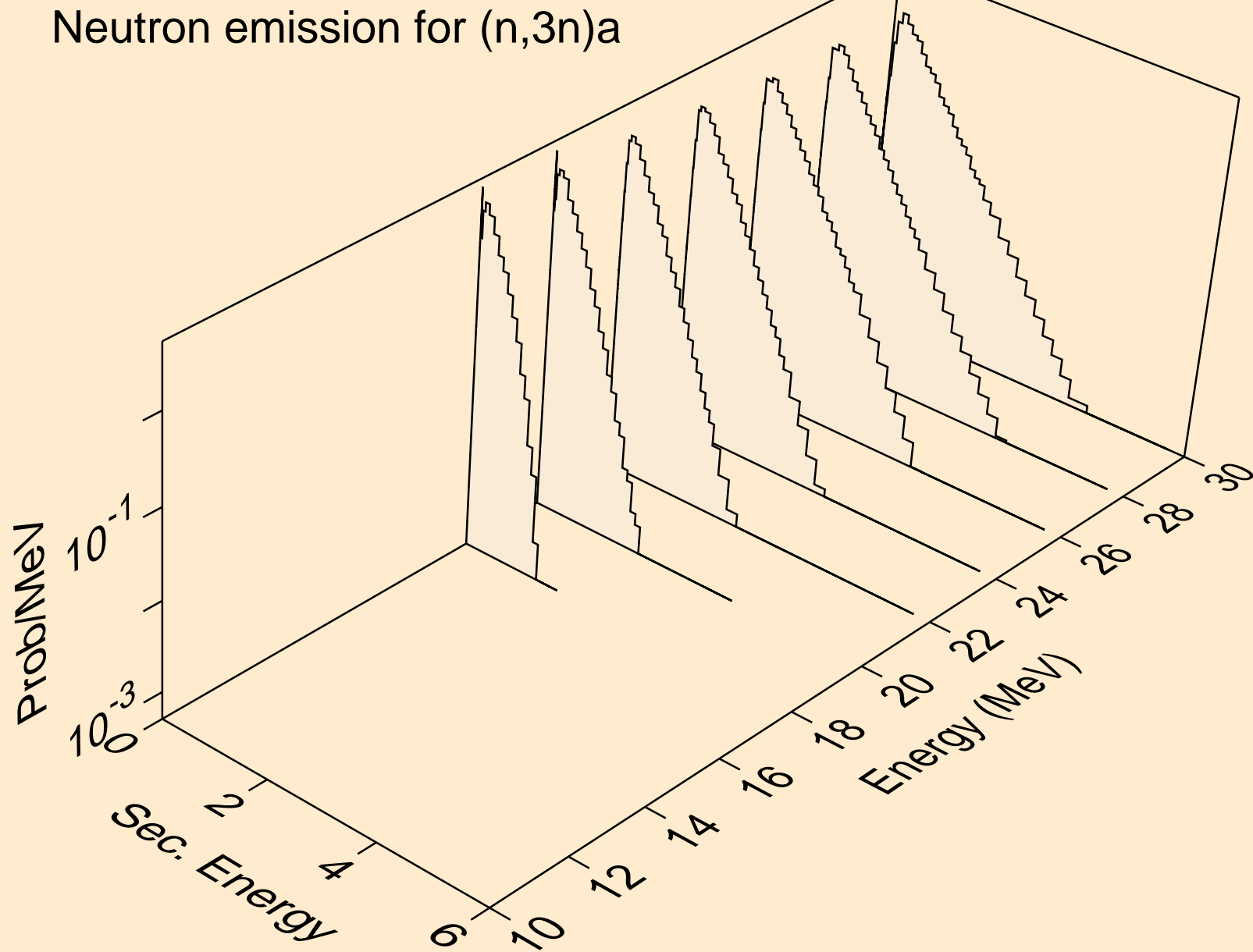




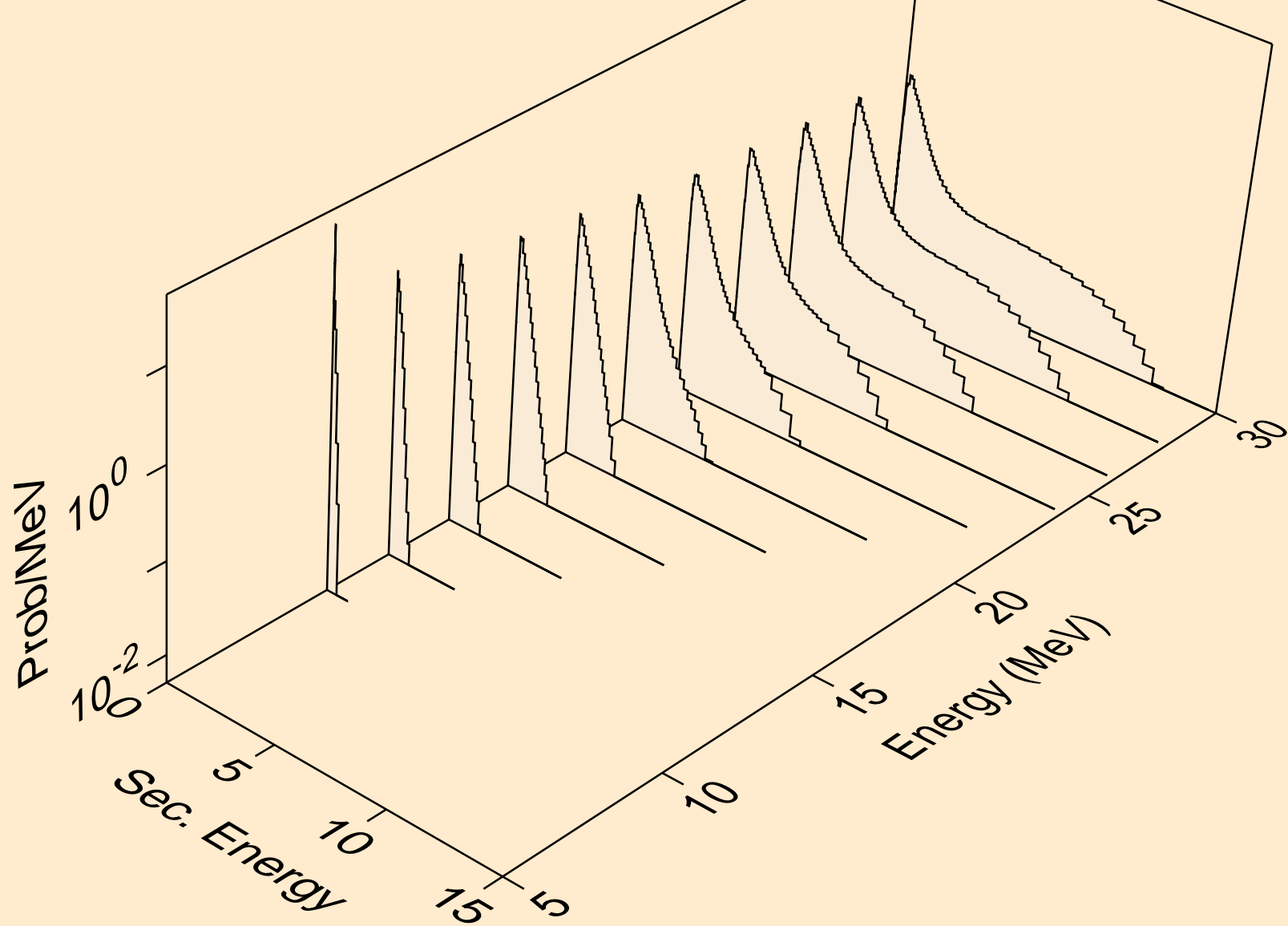
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Neutron emission for (n,2n)a



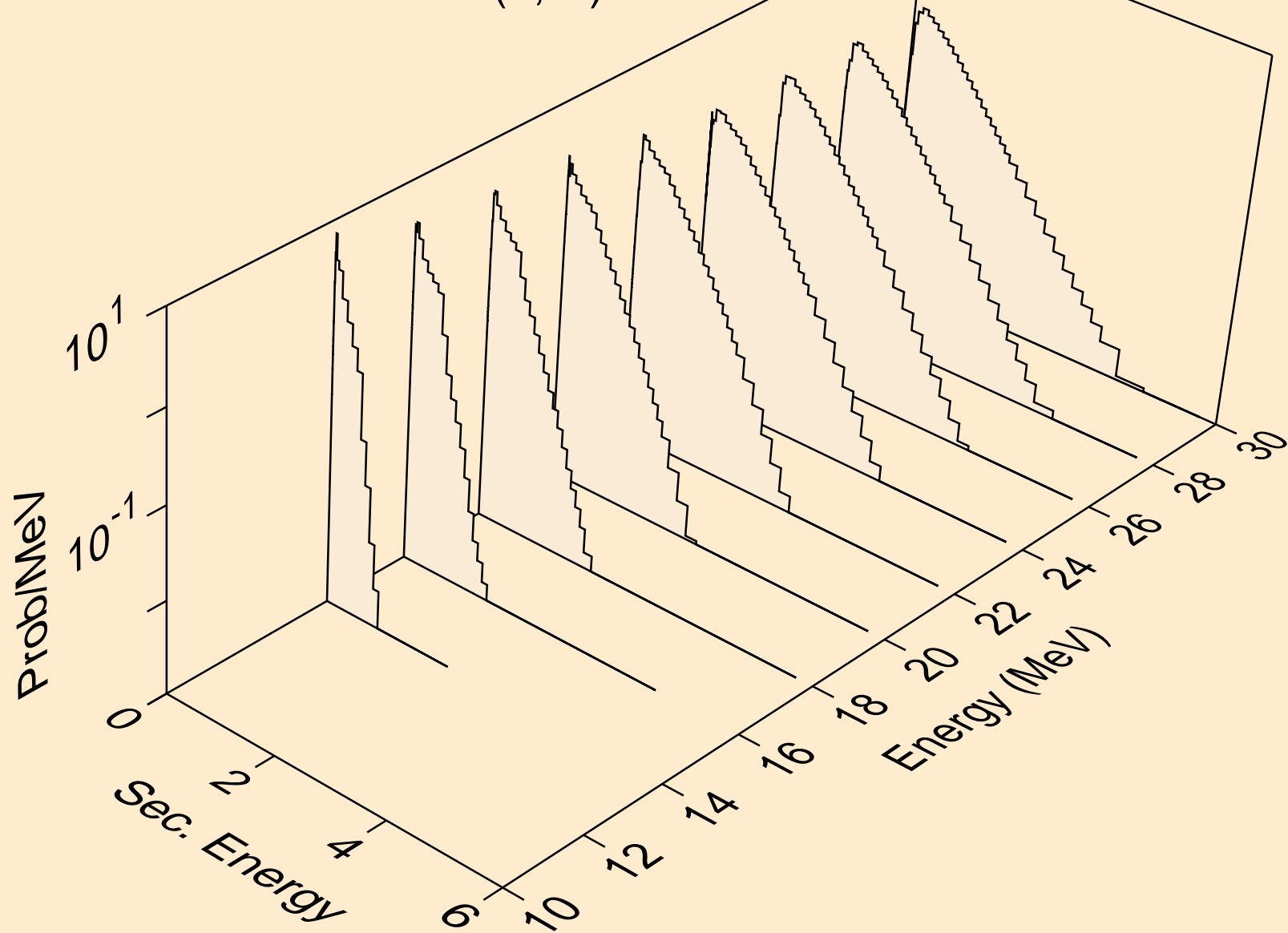
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Neutron emission for (n,3n)a



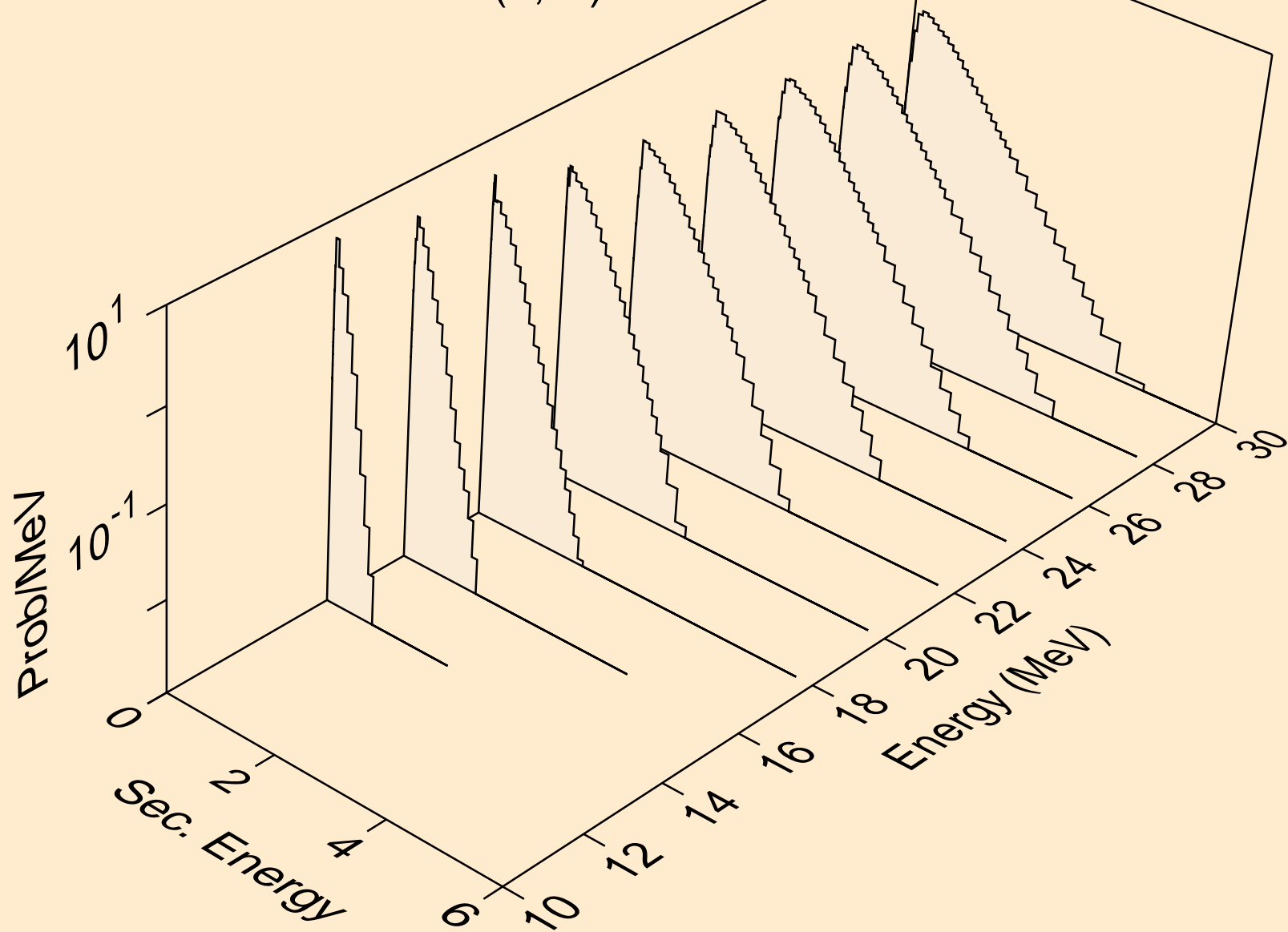
LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



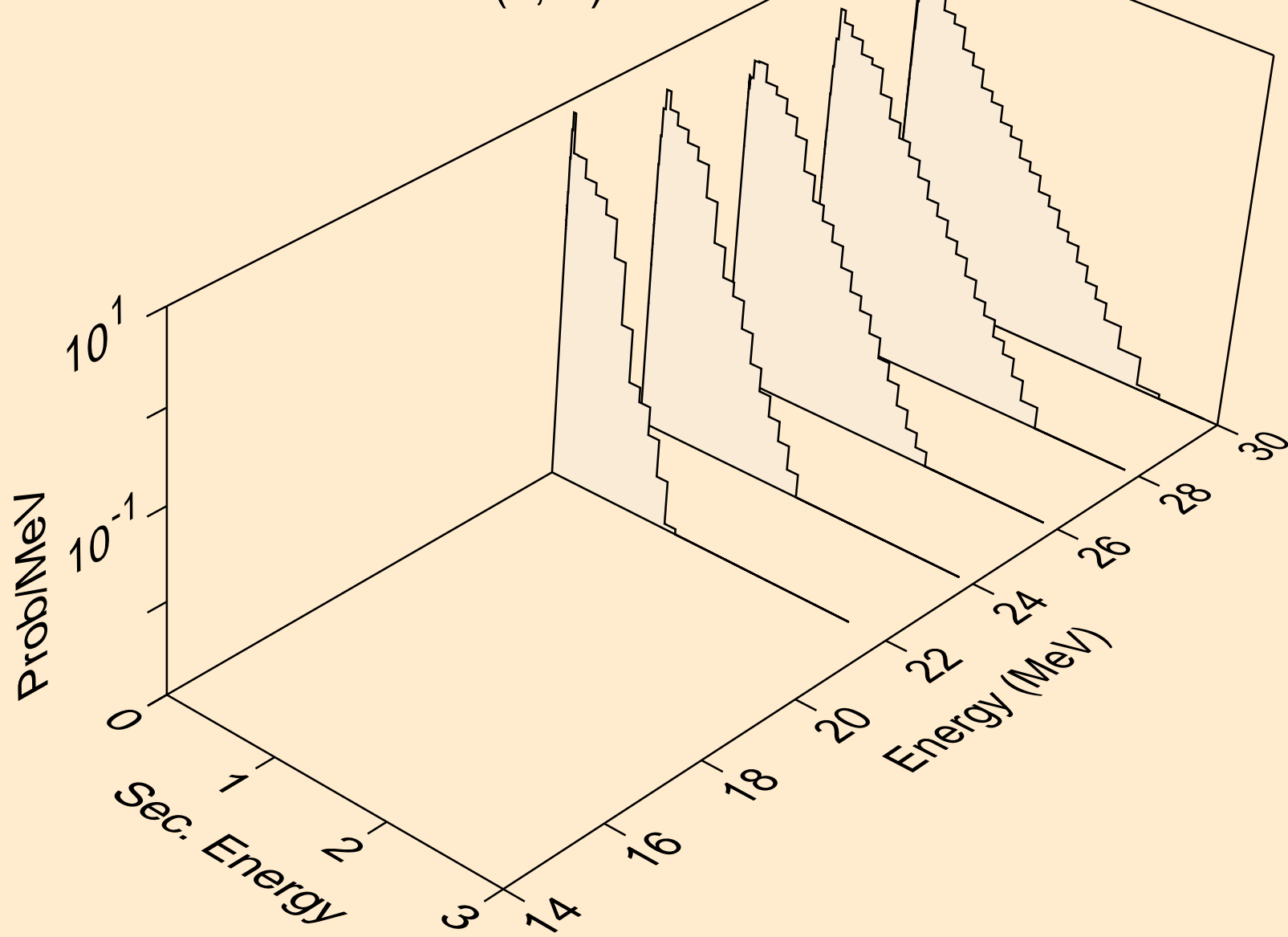
LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



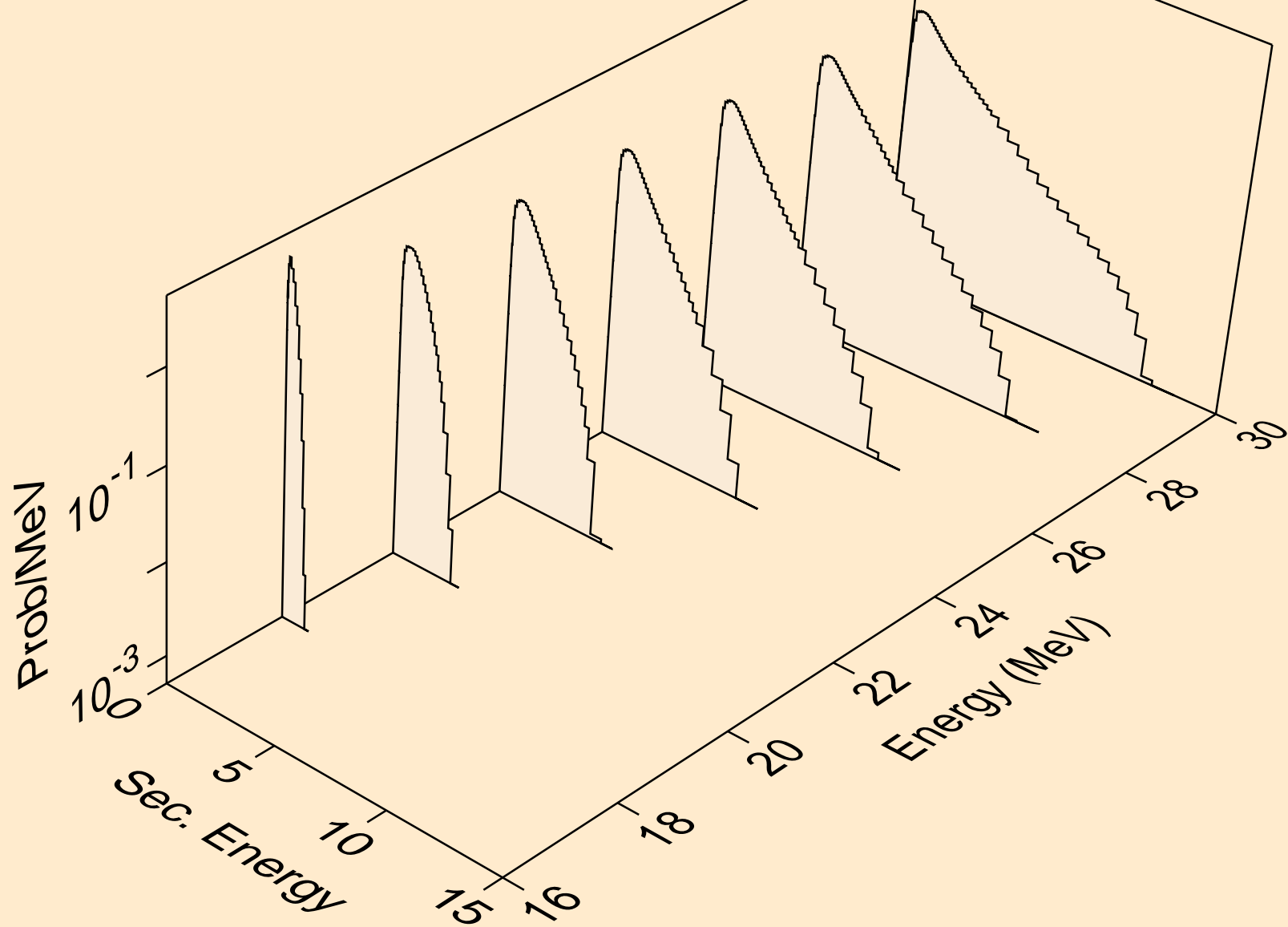
LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



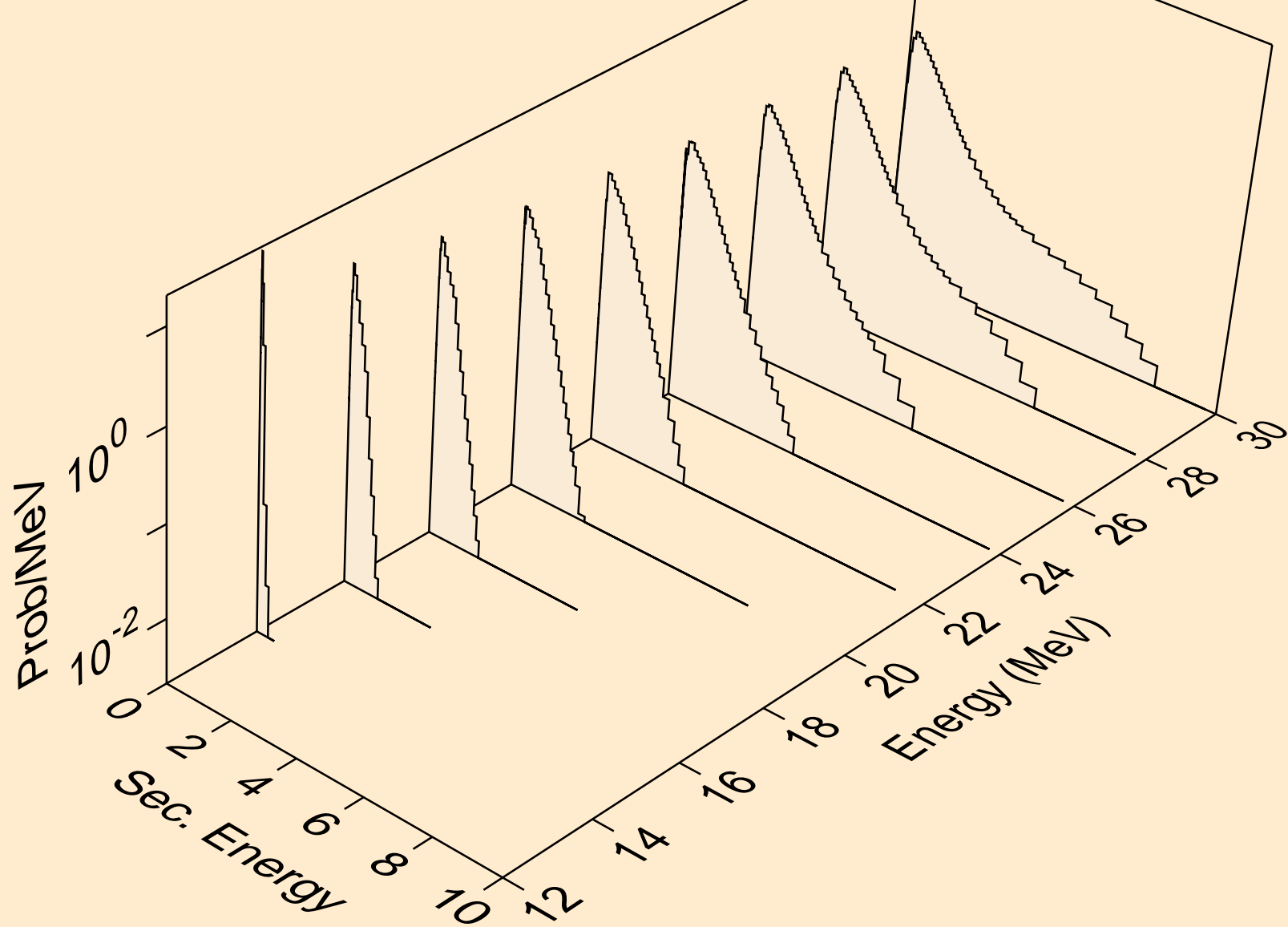
LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)

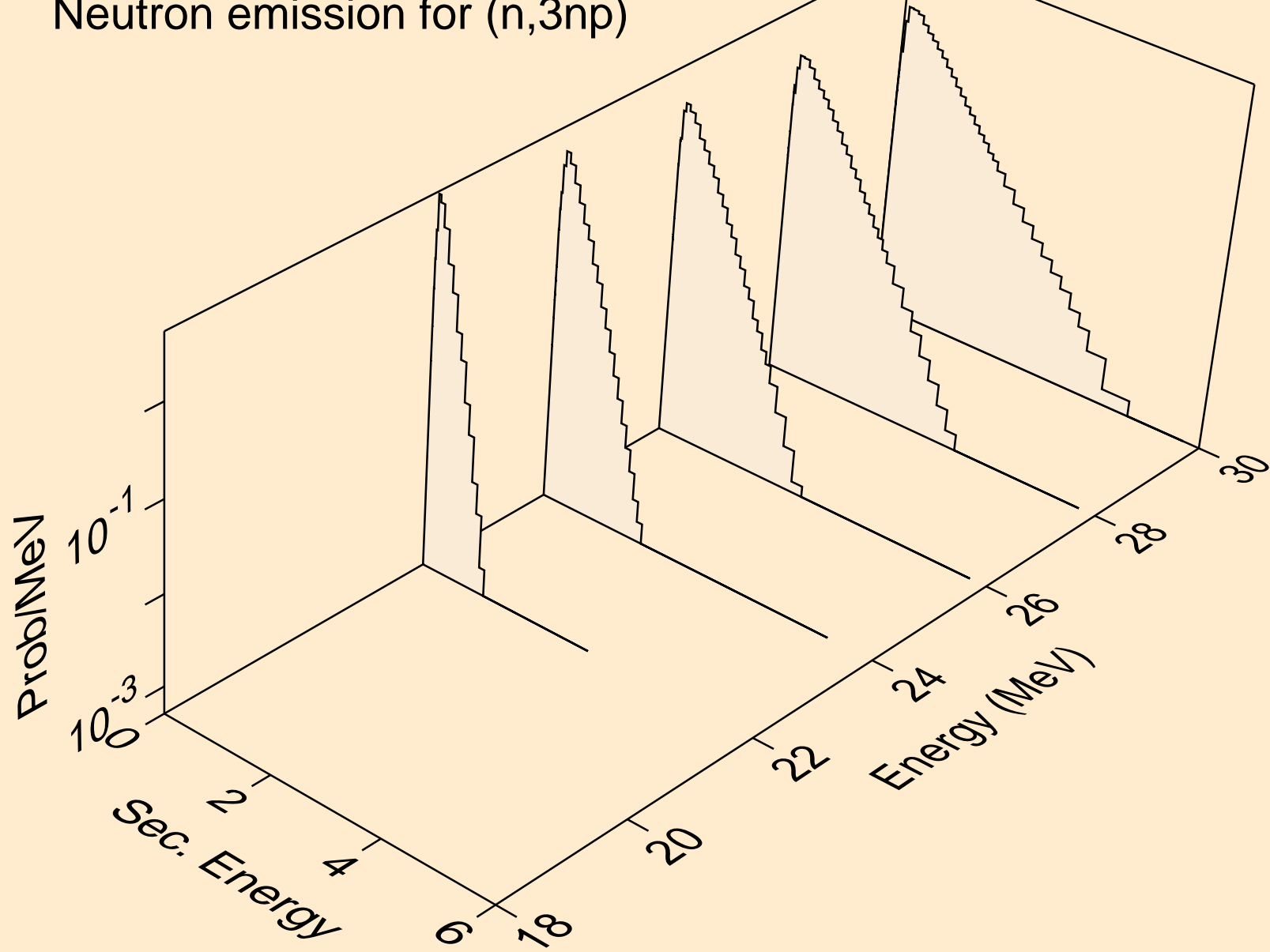


LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)

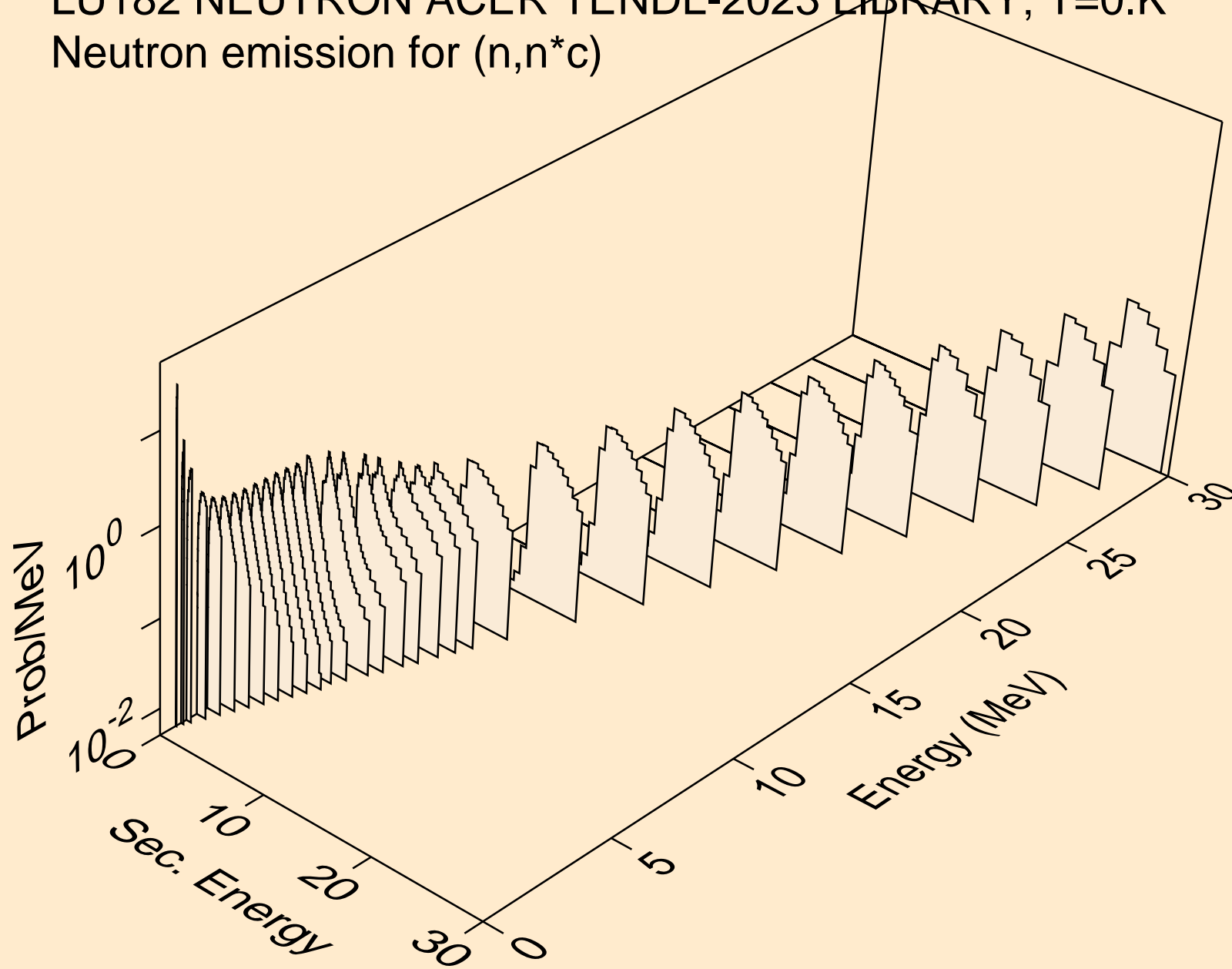




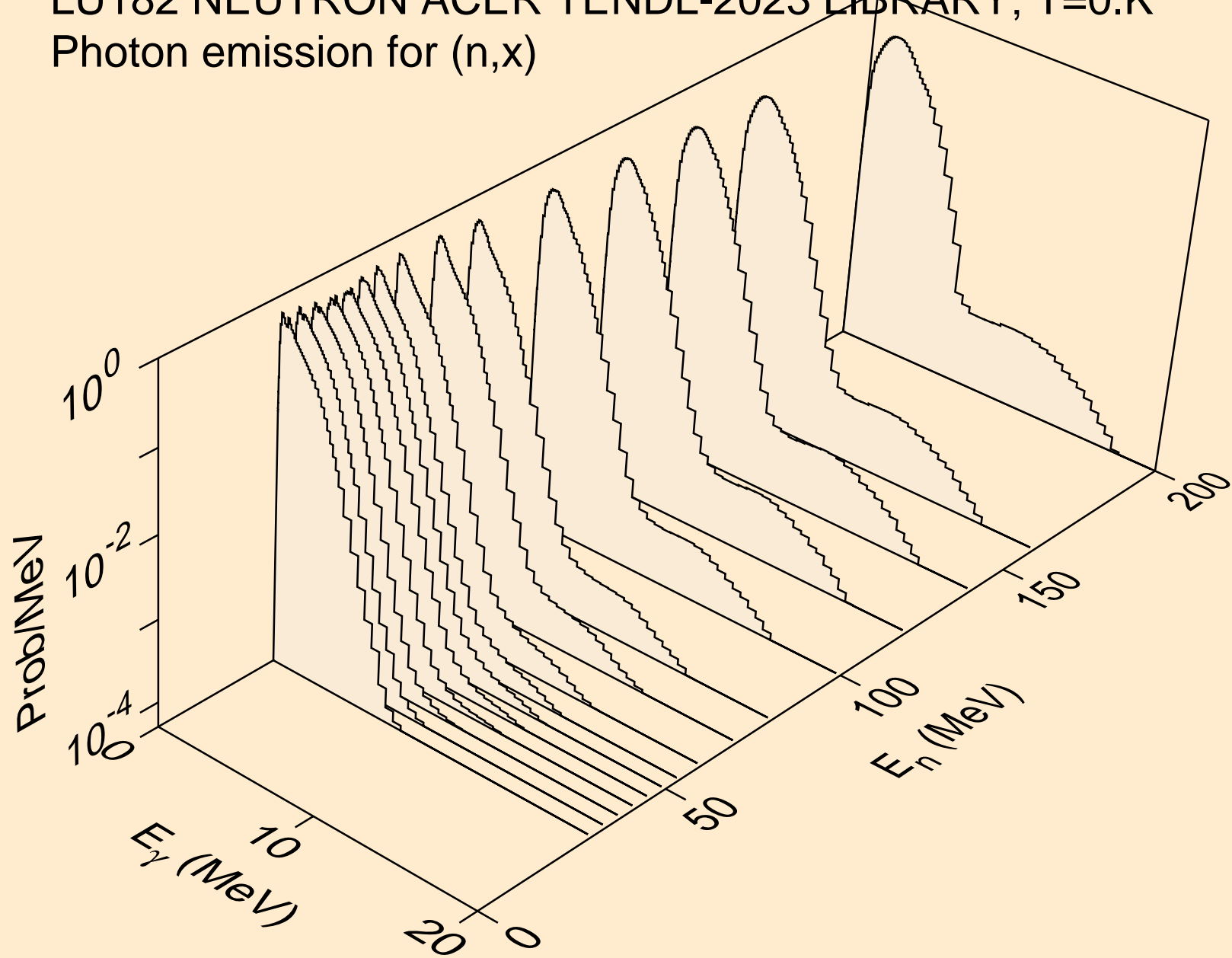
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Neutron emission for (n,3np)



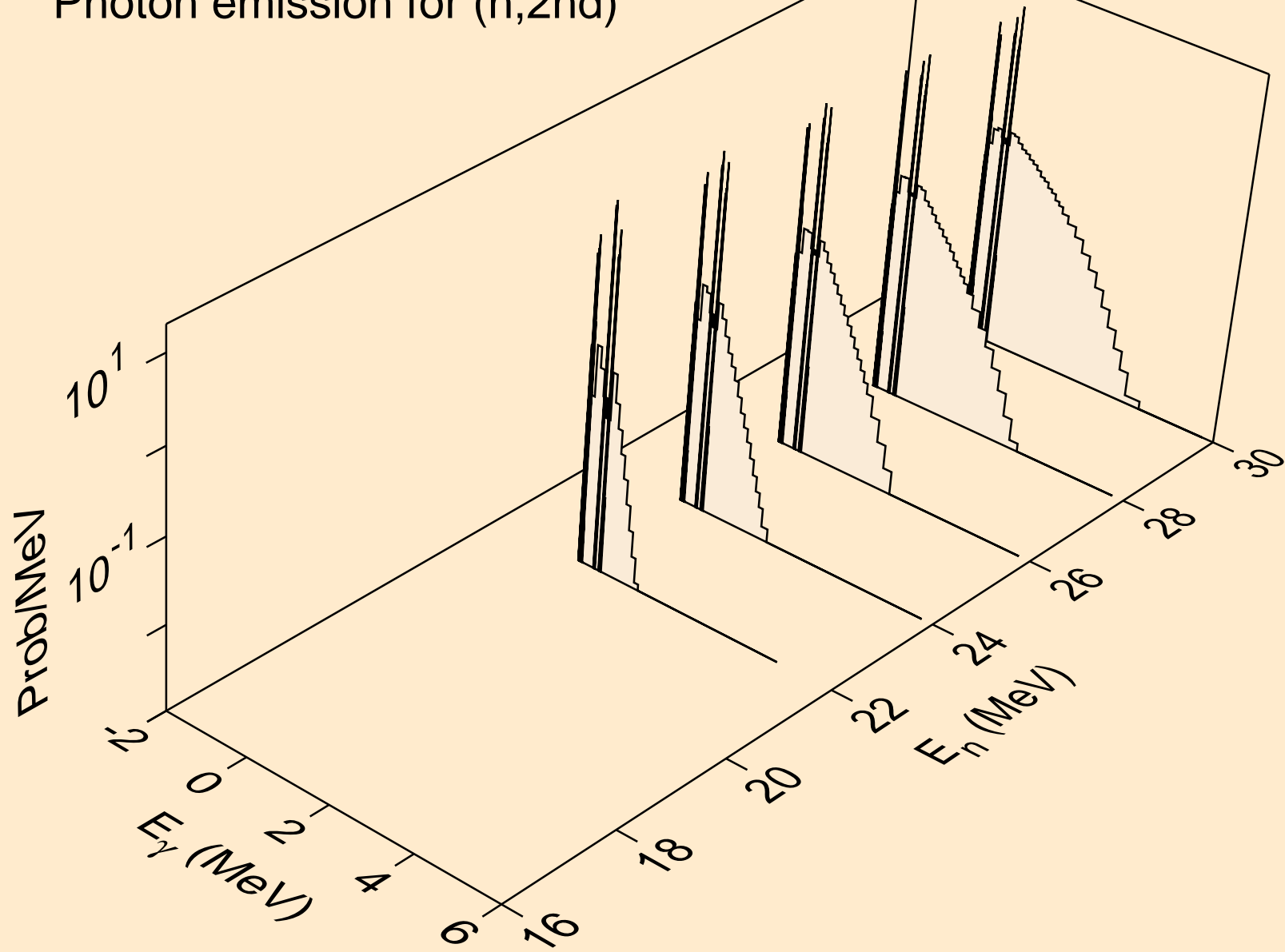
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Neutron emission for (n,n\*c)



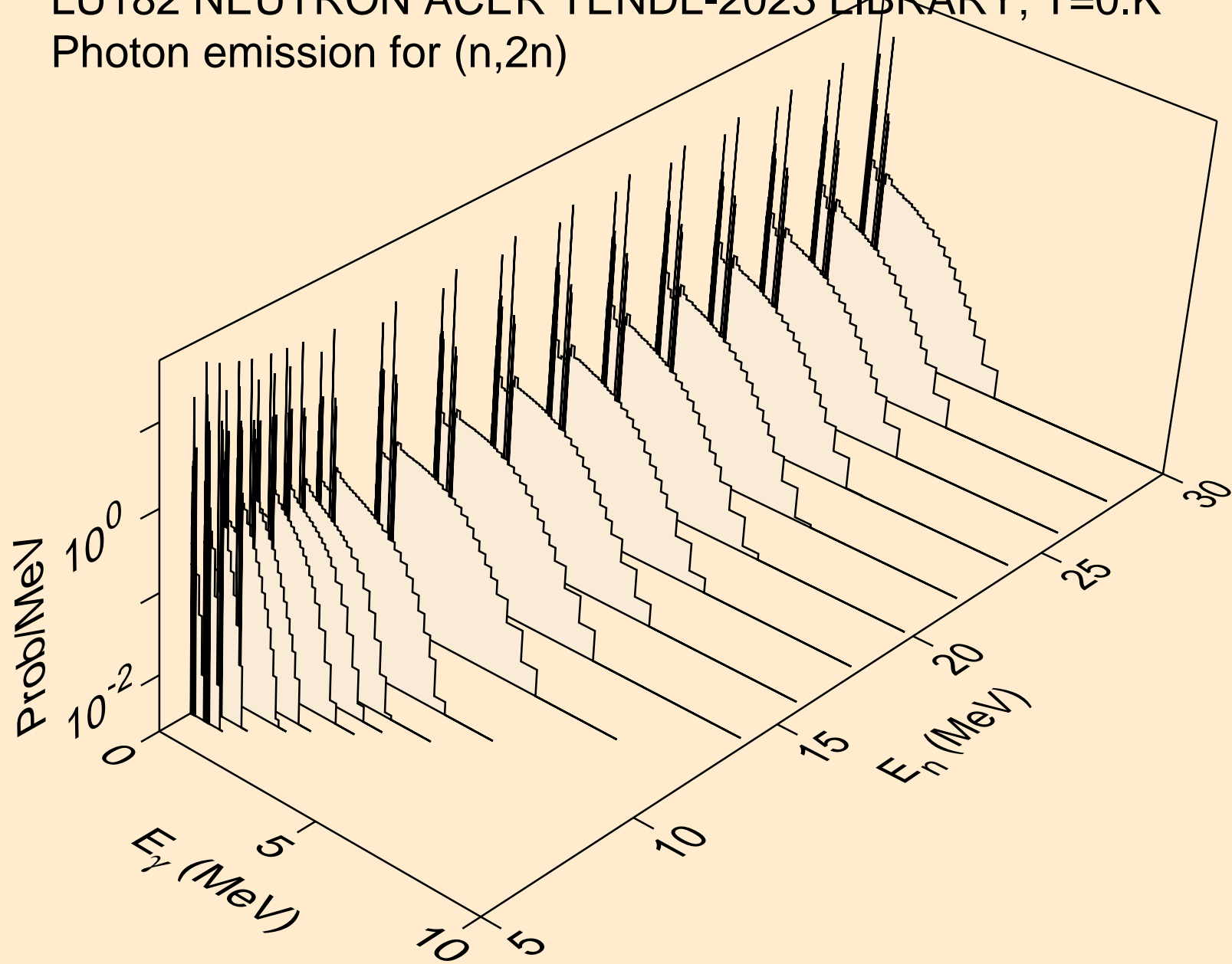
LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



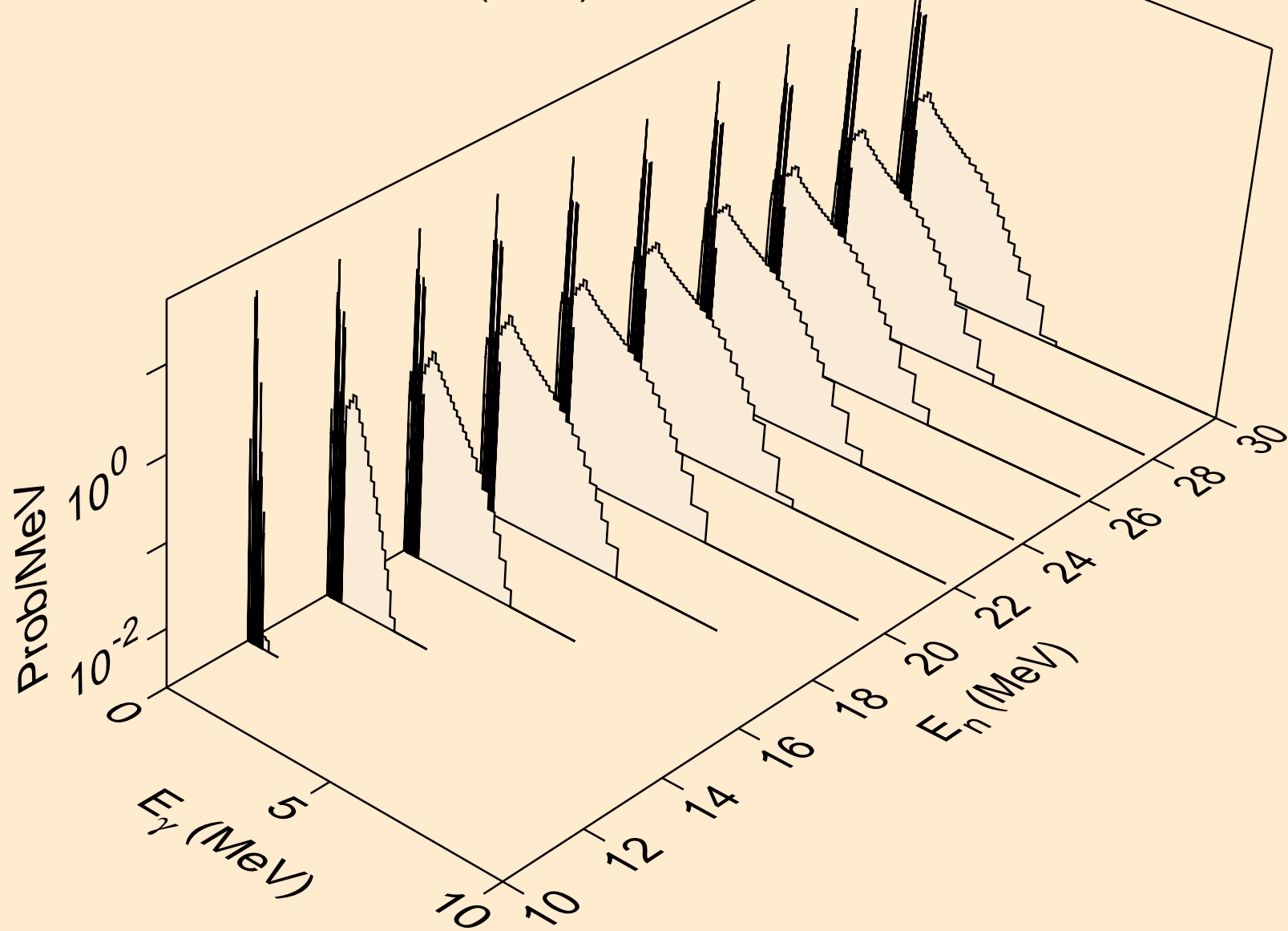
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Photon emission for (n,2nd)



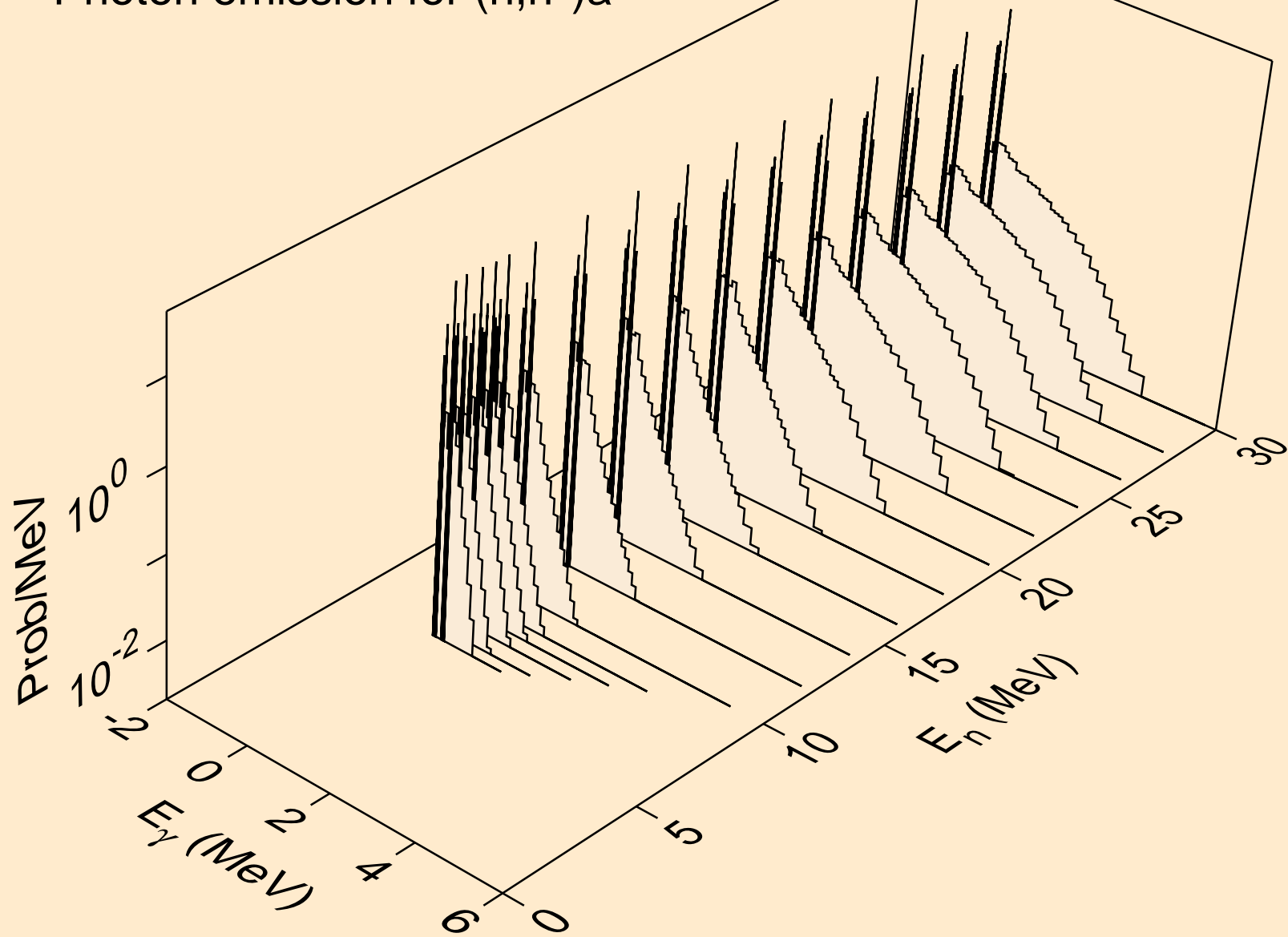
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Photon emission for (n,2n)



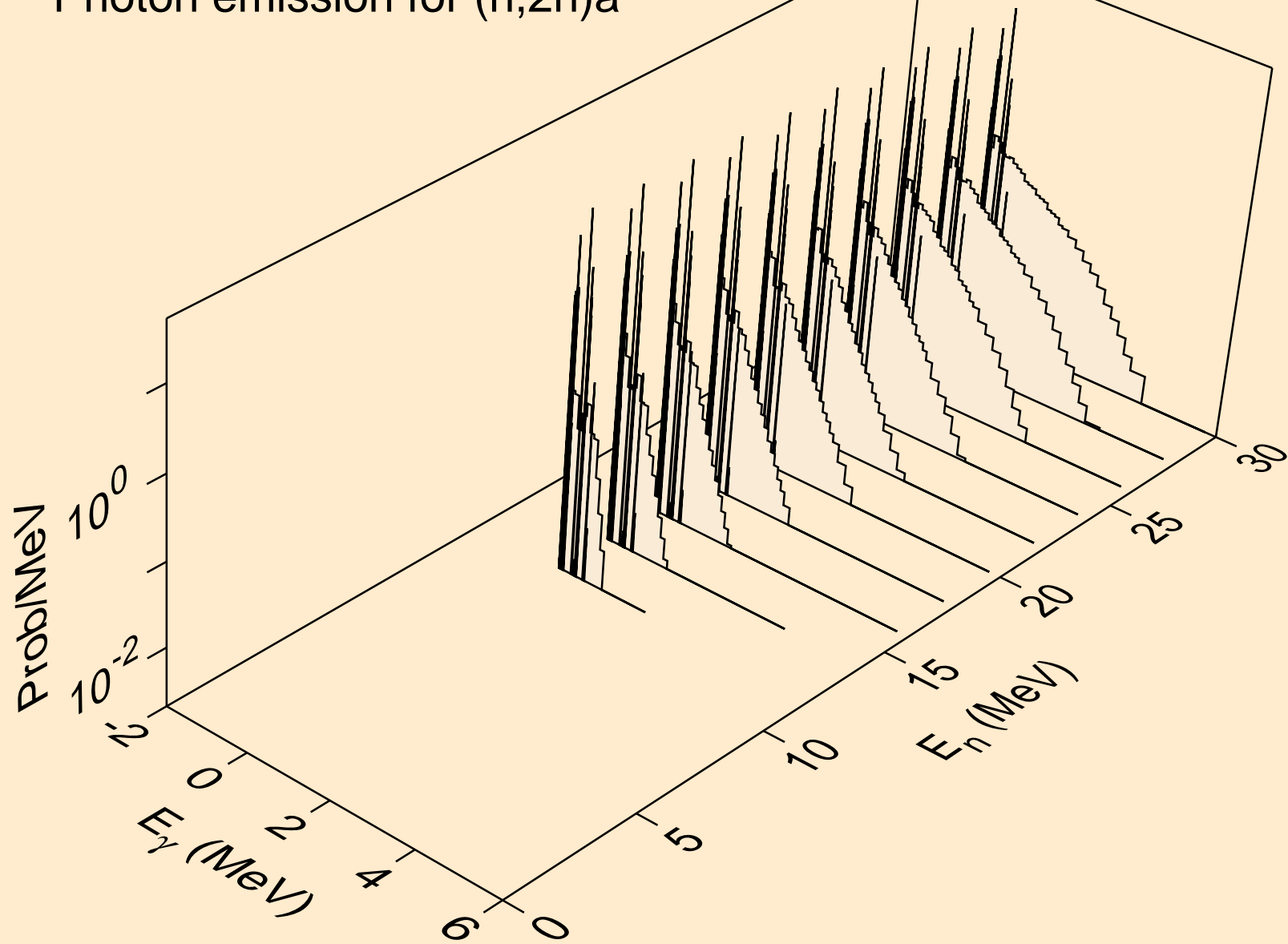
LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

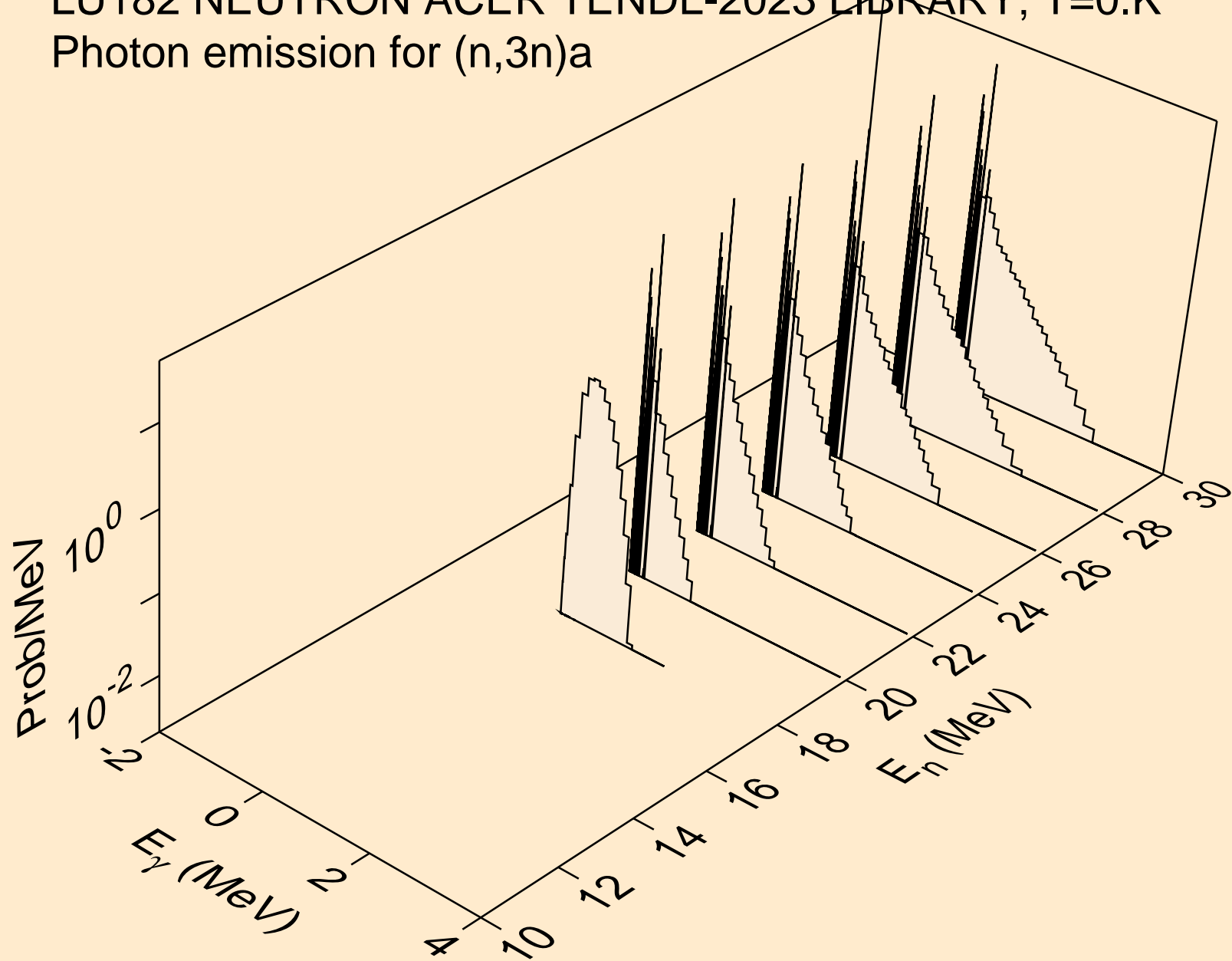


LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

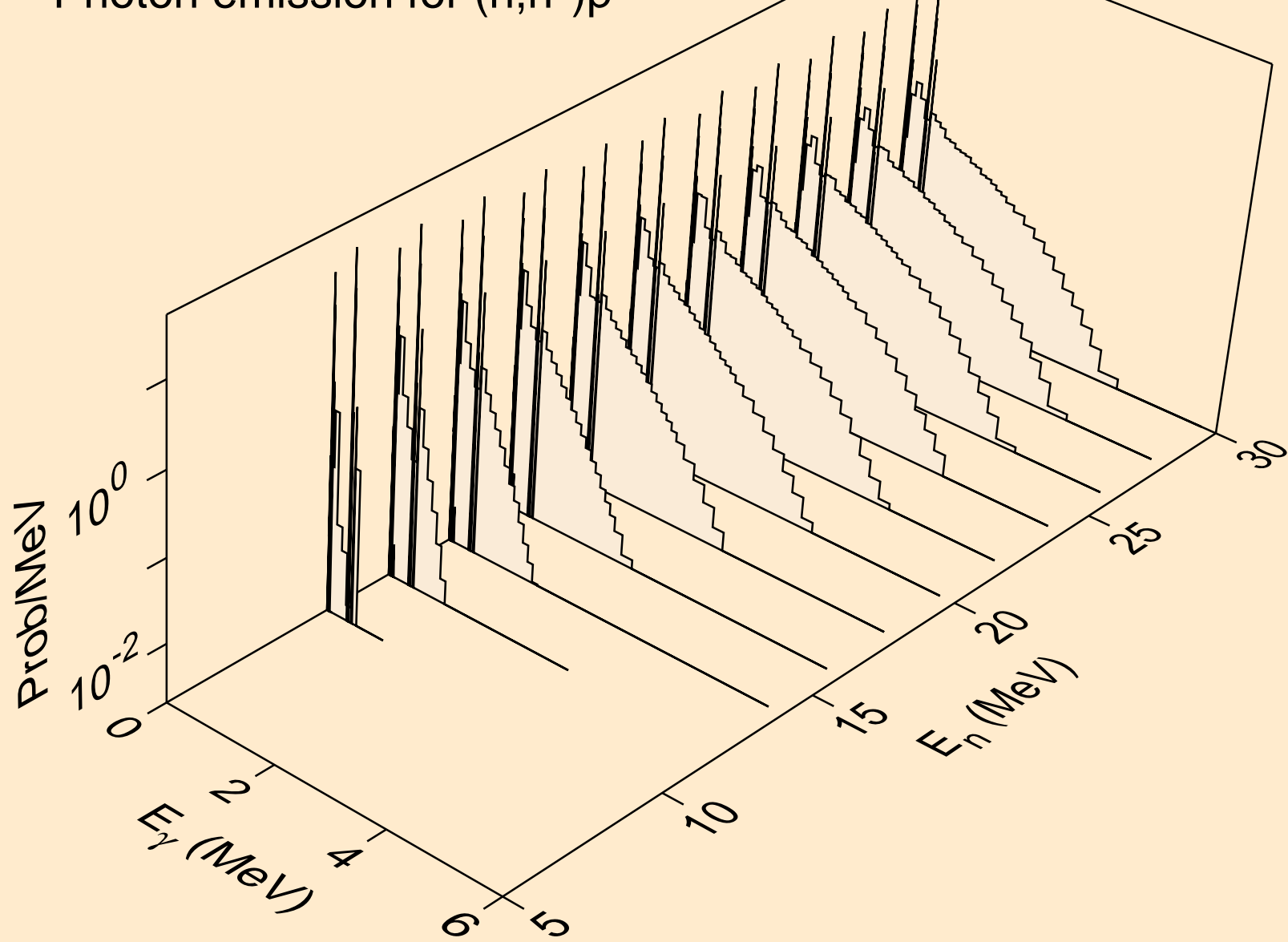




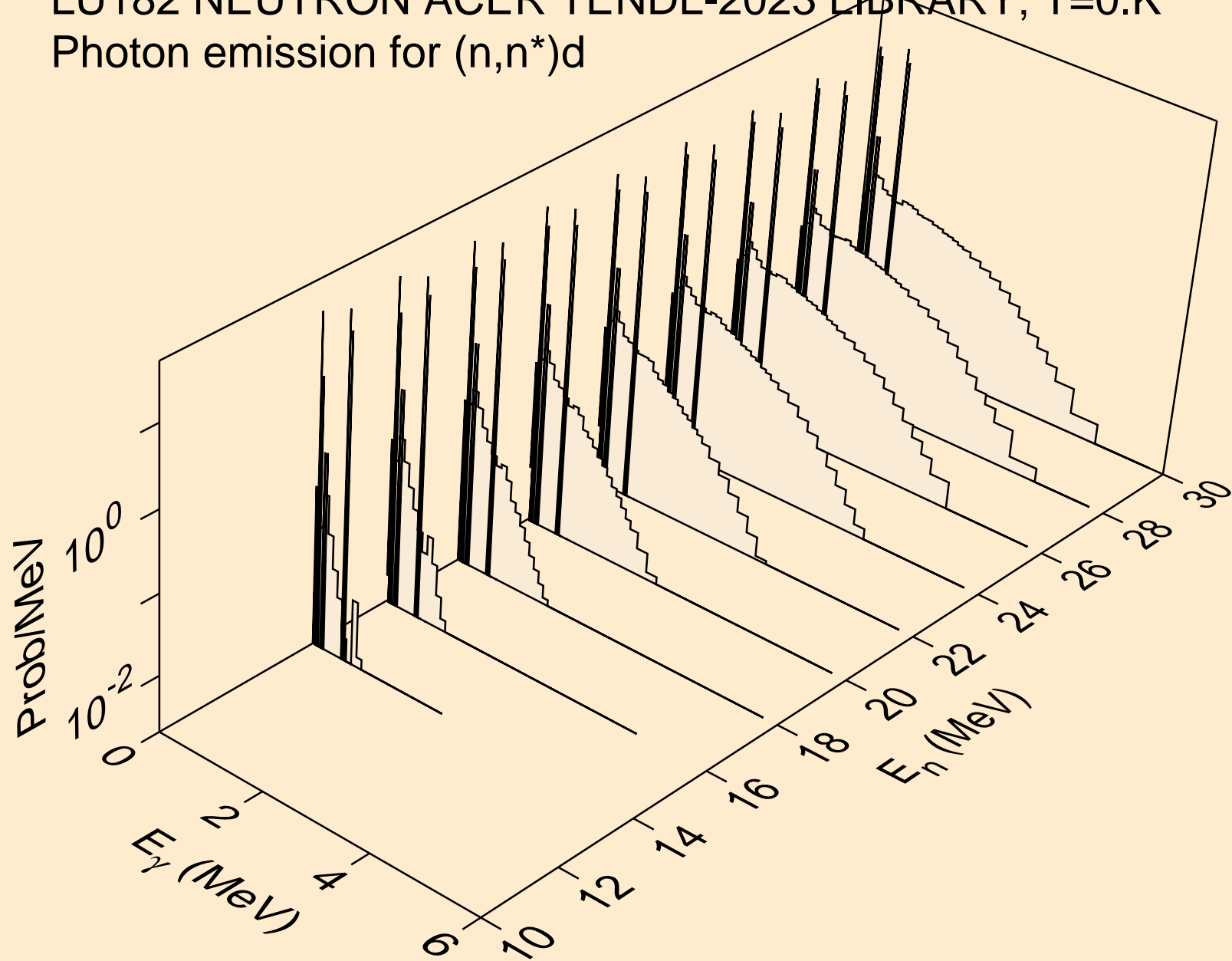
LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



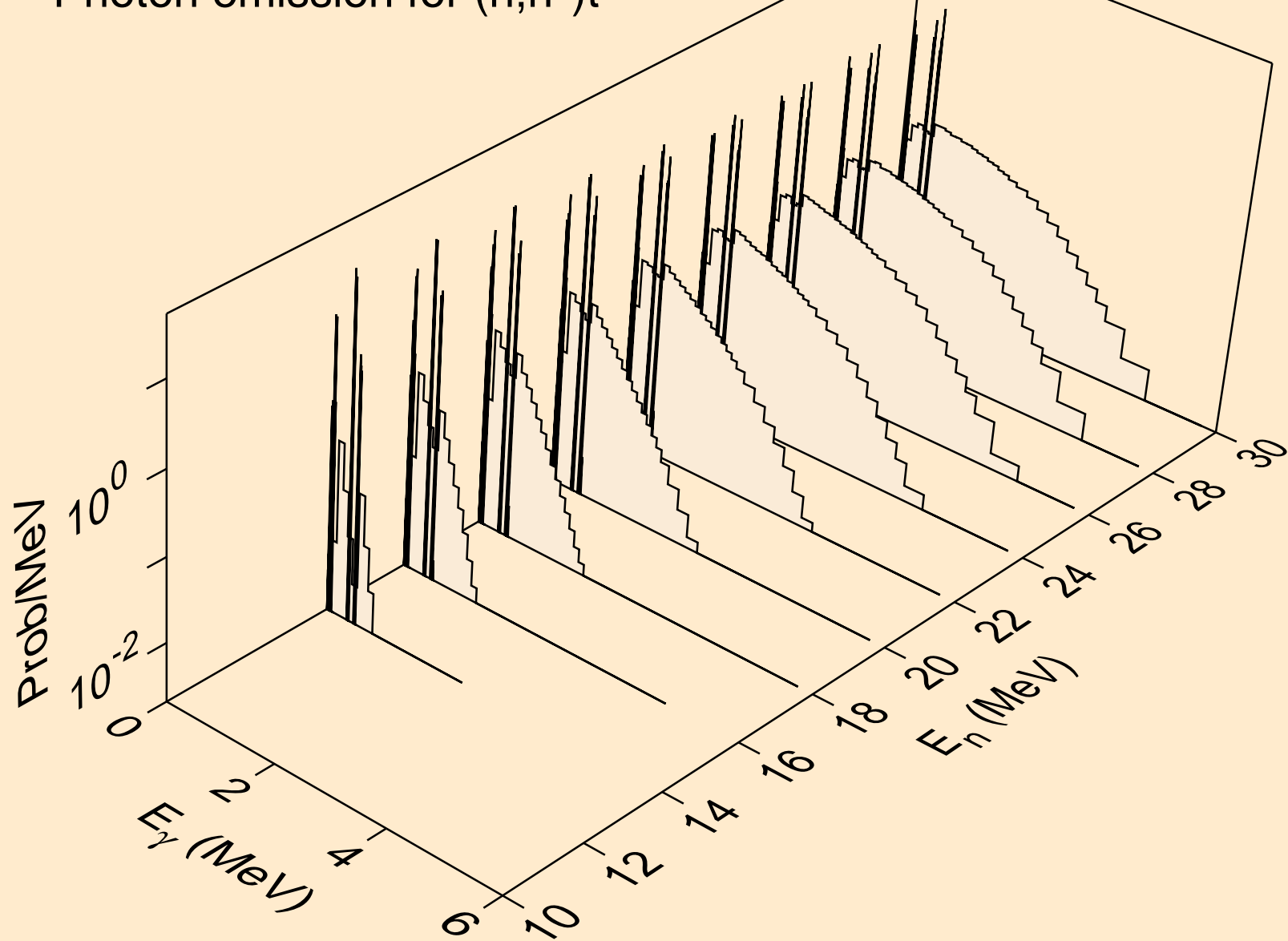
LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



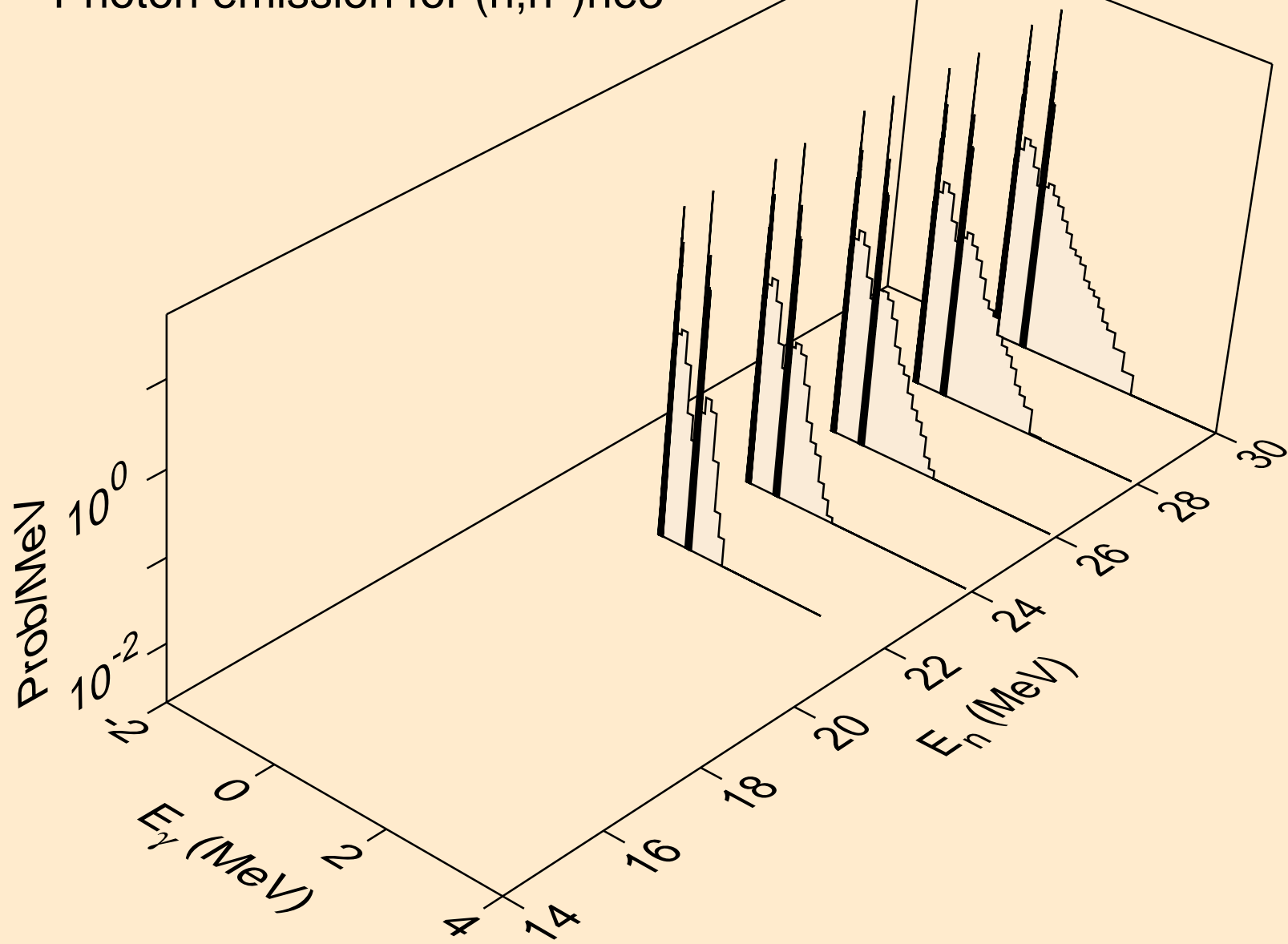
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Photon emission for (n,n\*)d



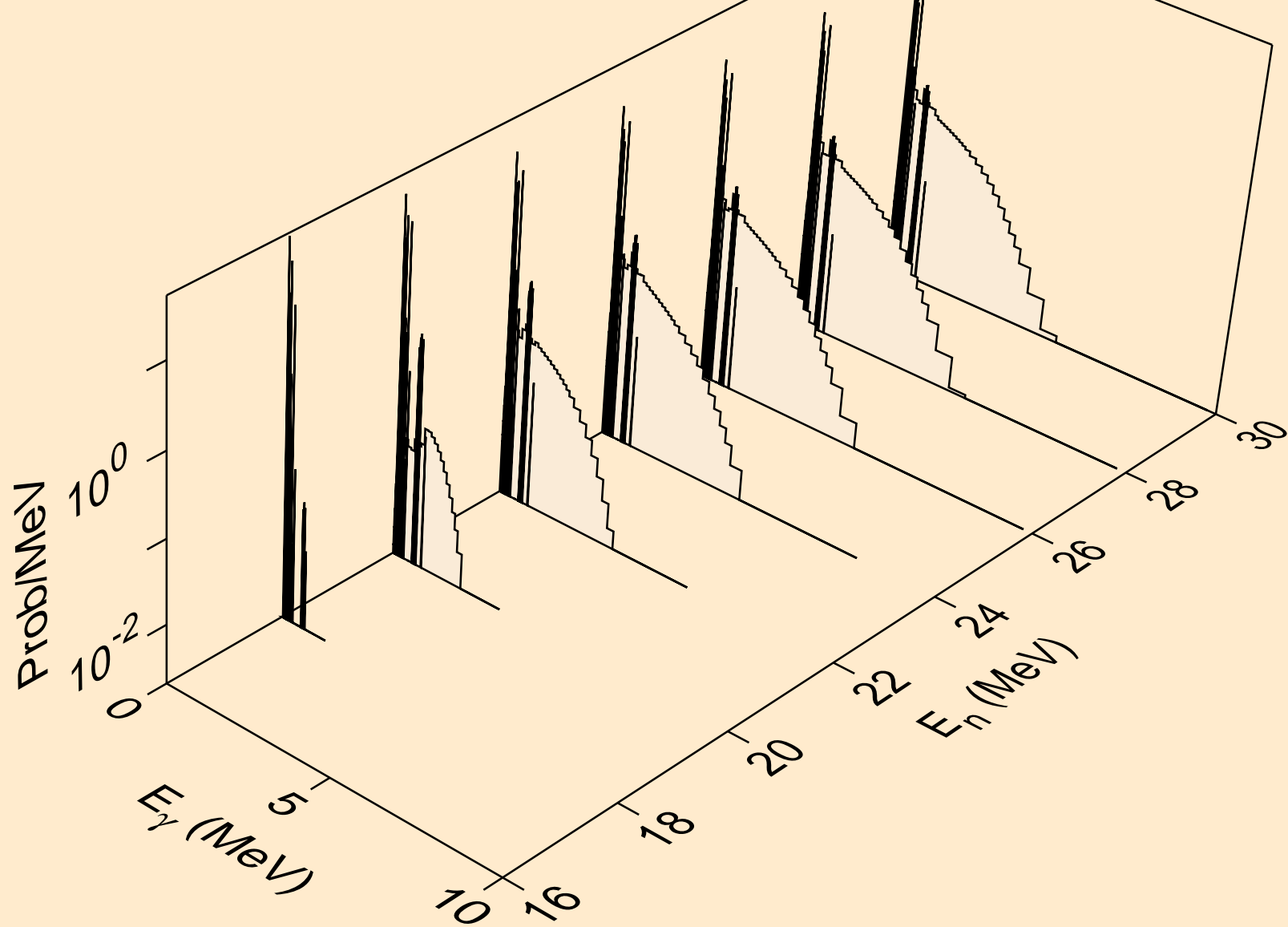
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Photon emission for (n,n\*)t



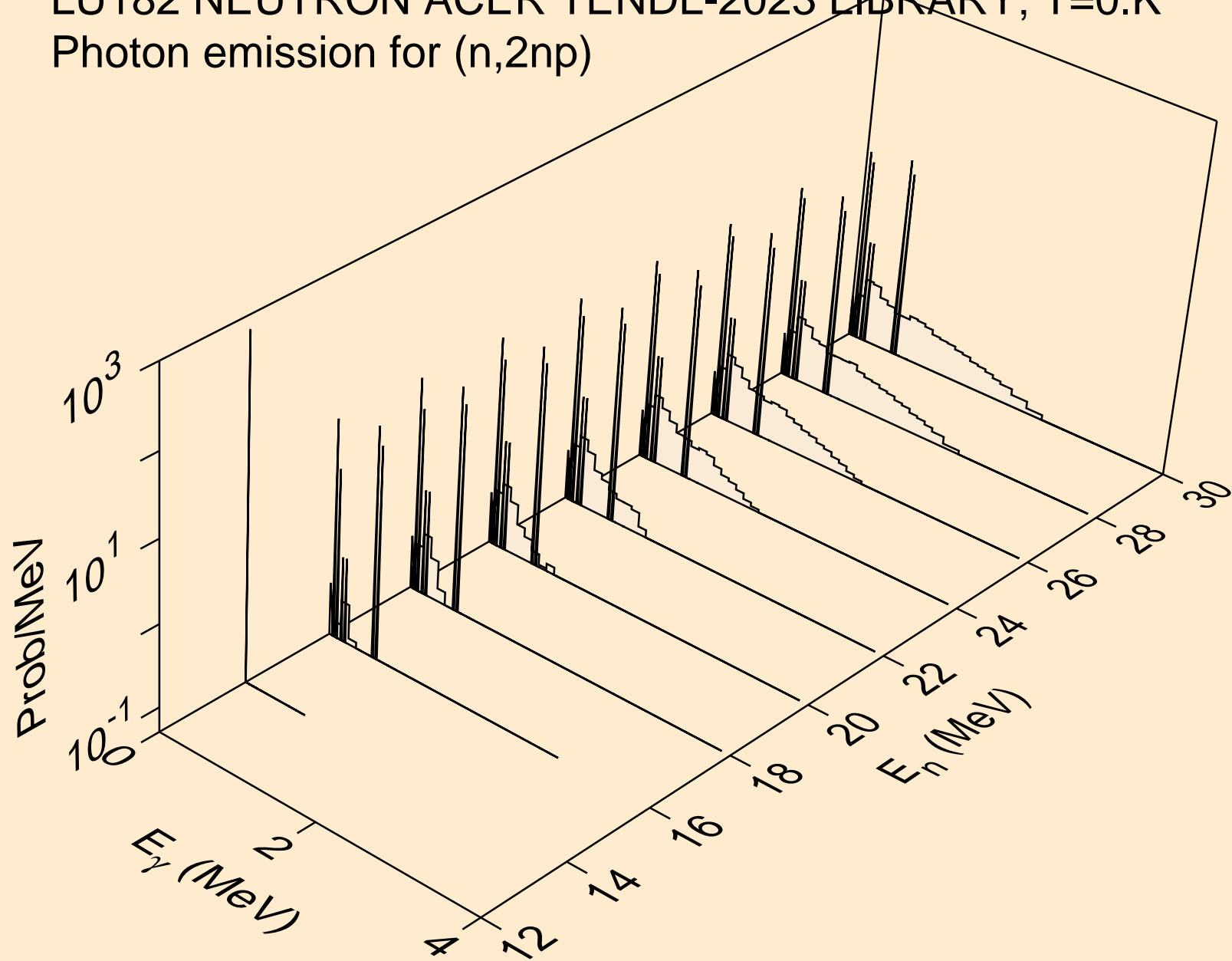
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Photon emission for (n,n\*)he3



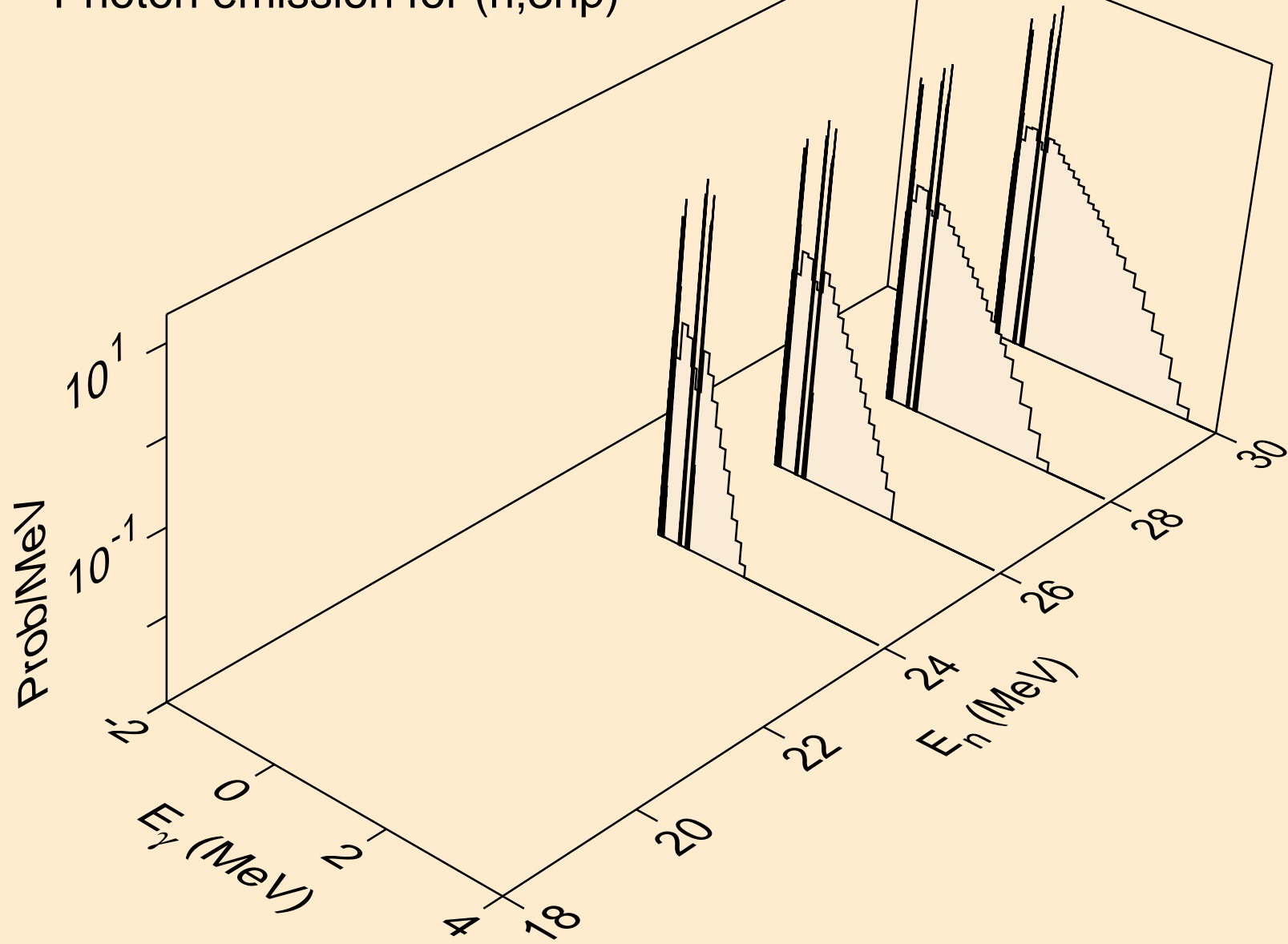
LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

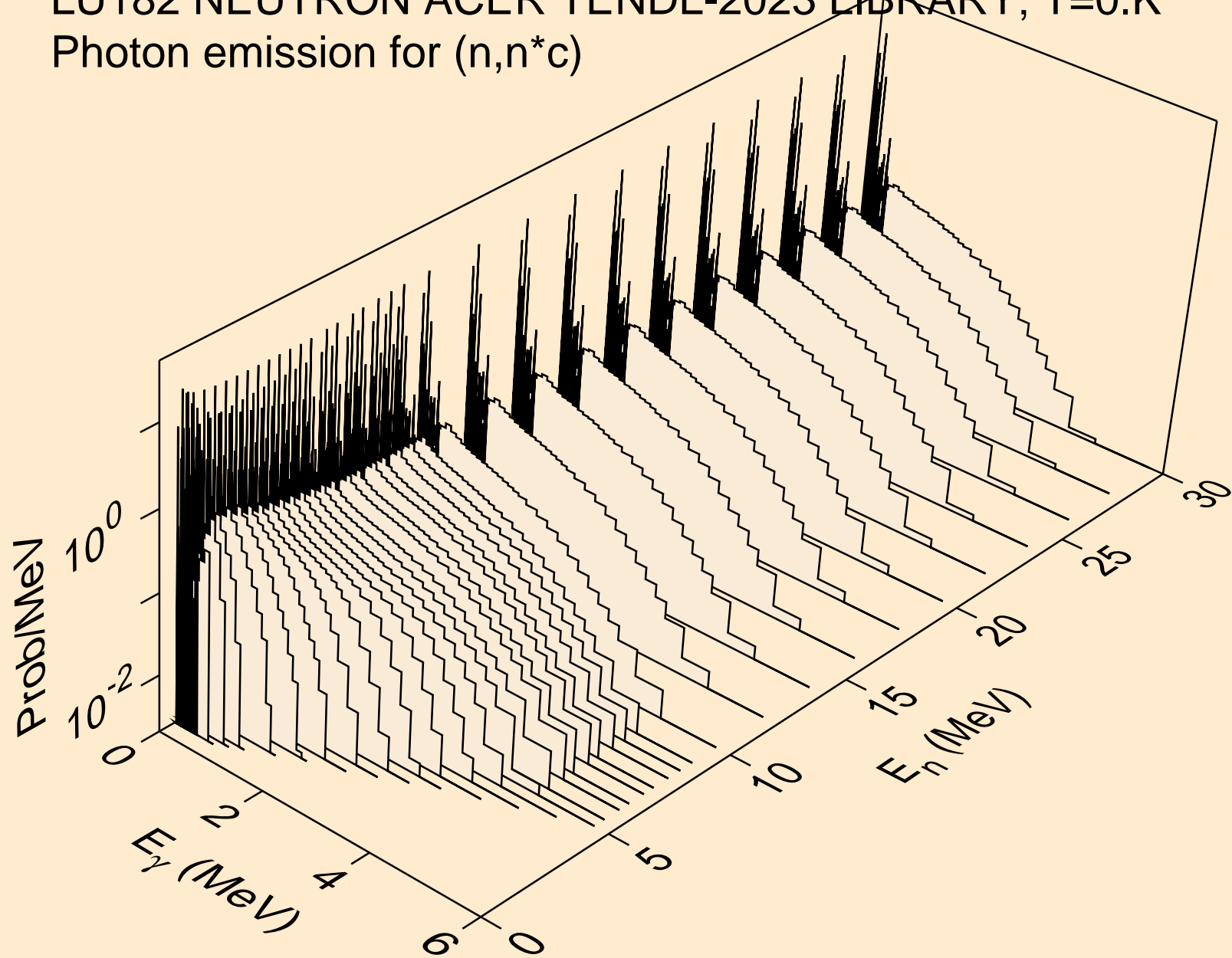


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Photon emission for (n,3np)

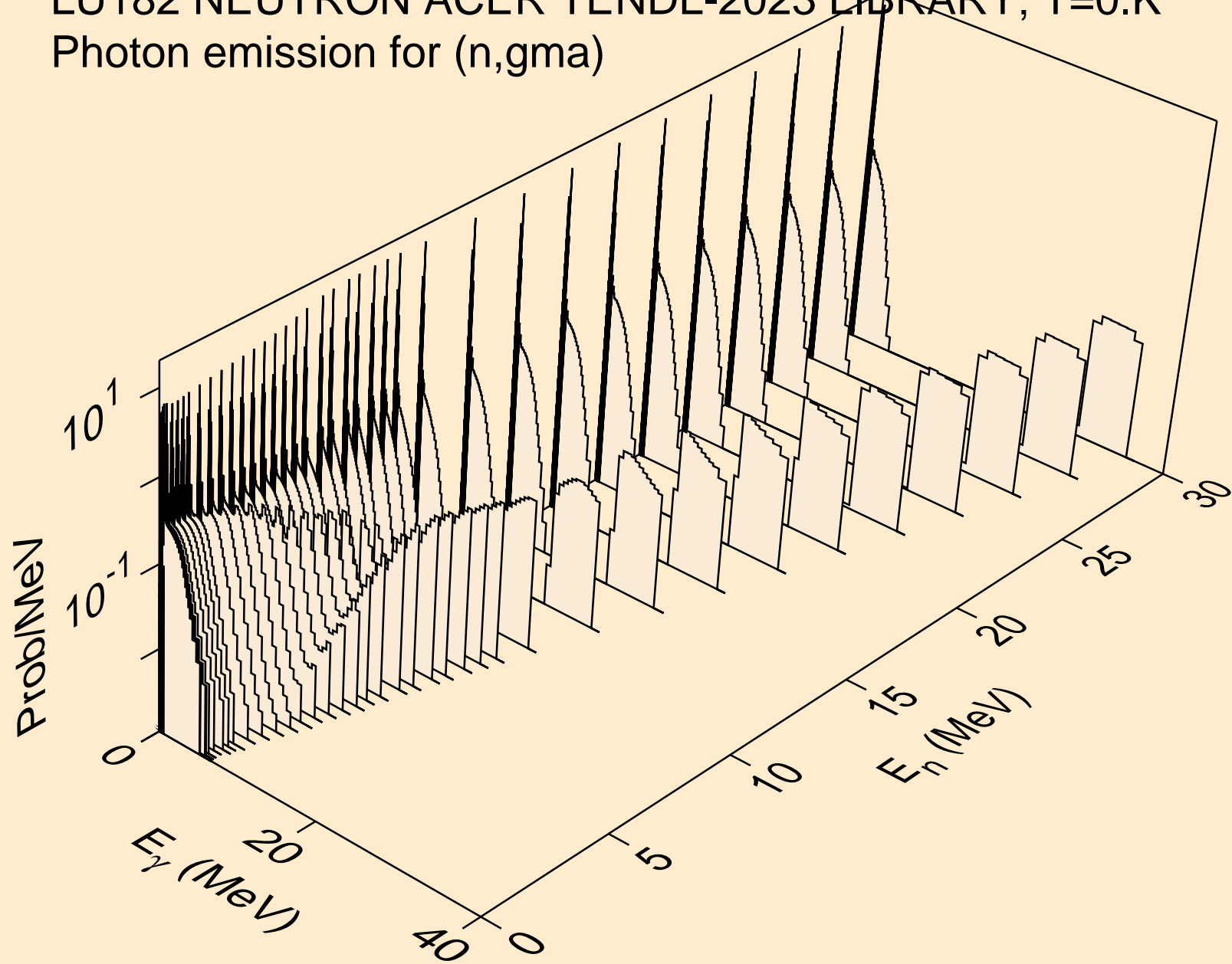




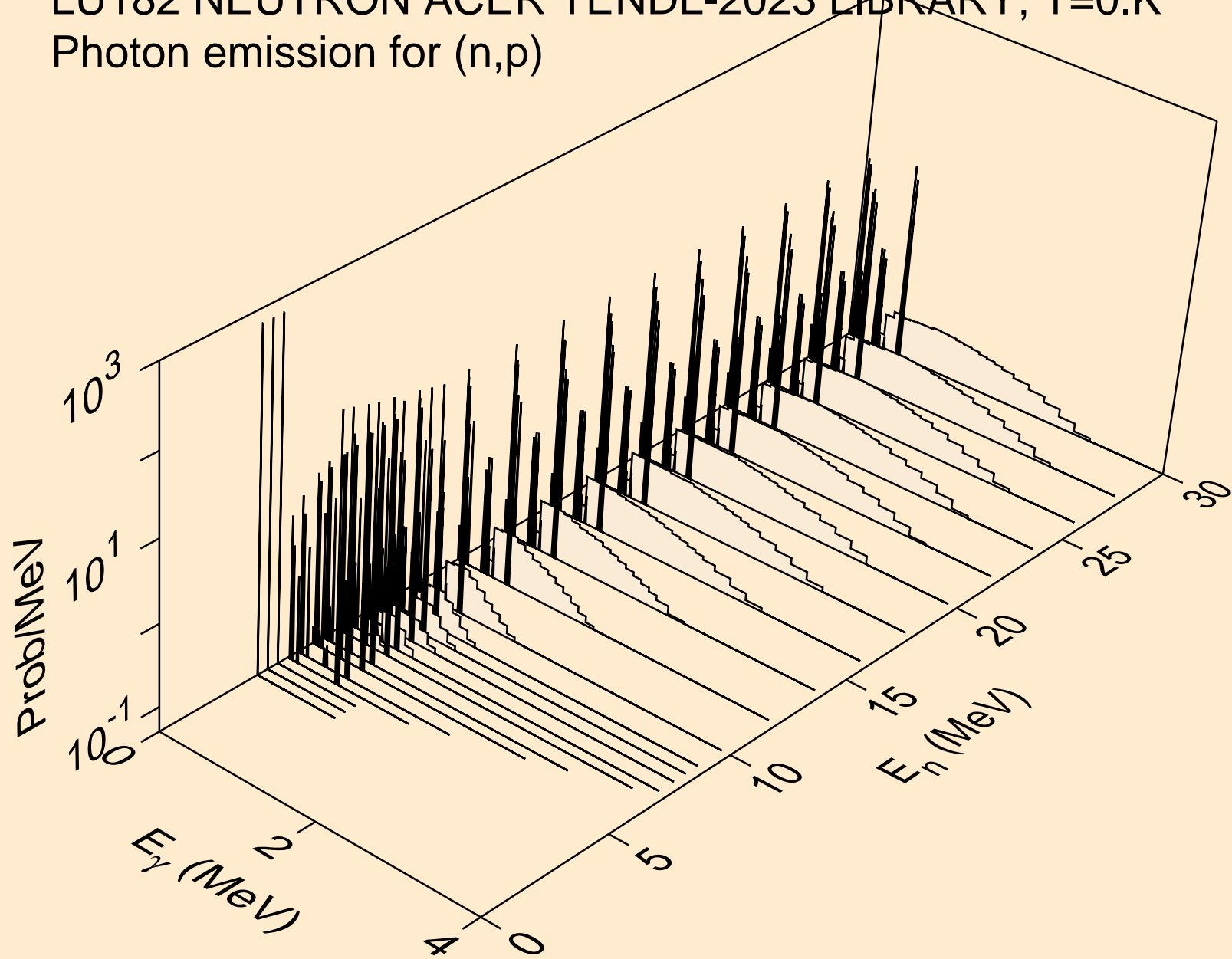
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Photon emission for (n,n\*c)



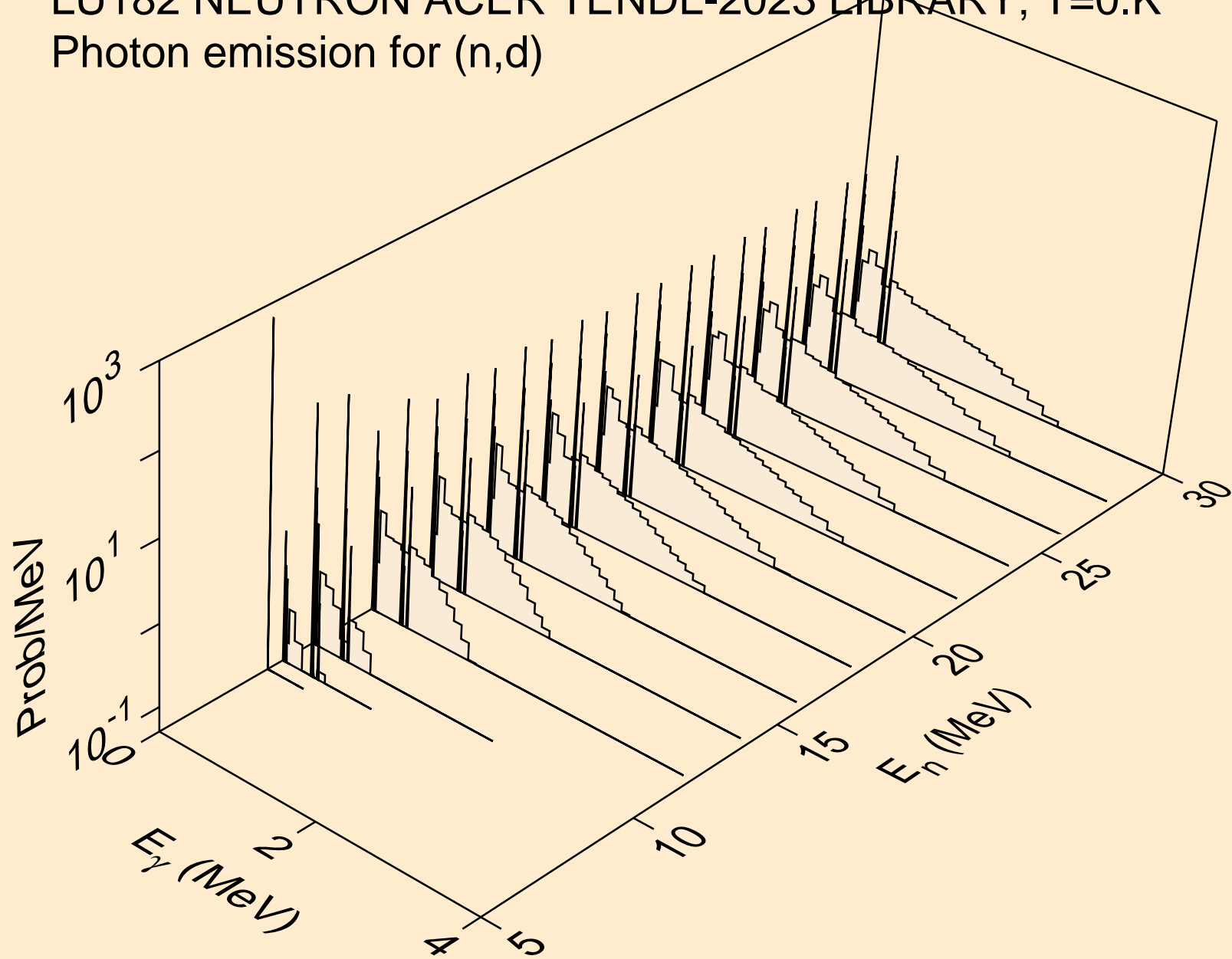
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Photon emission for (n,gma)



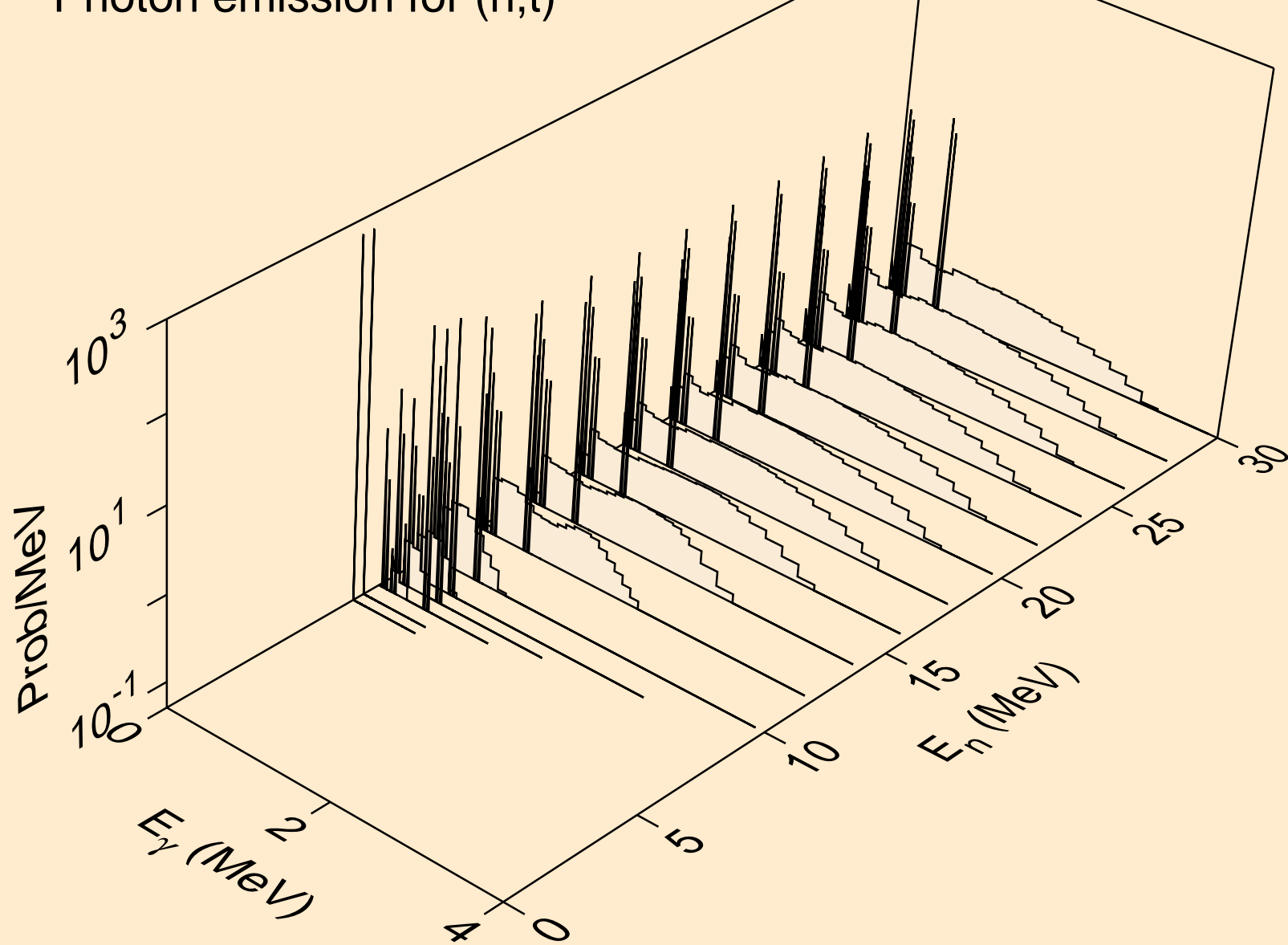
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Photon emission for (n,p)



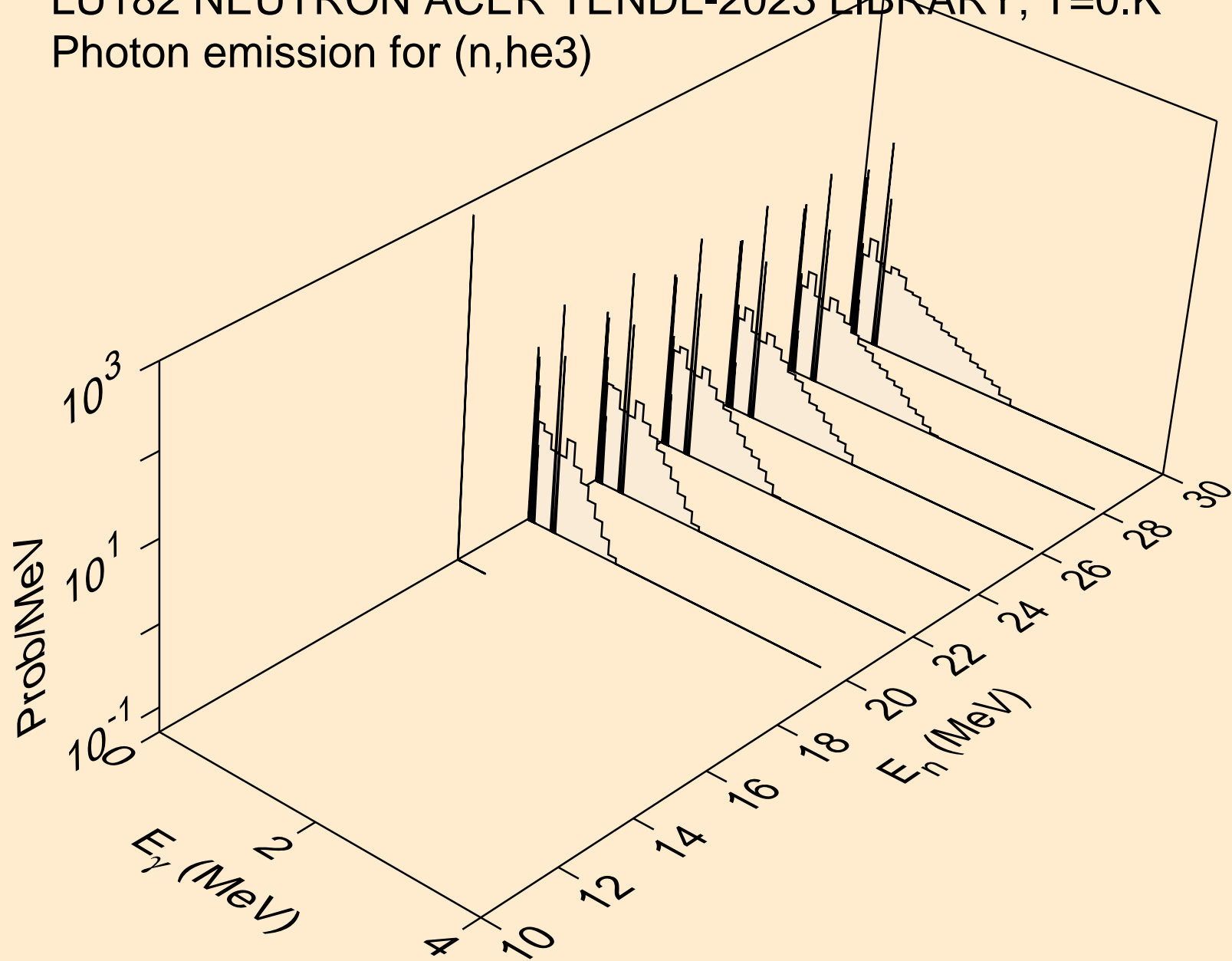
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Photon emission for (n,d)



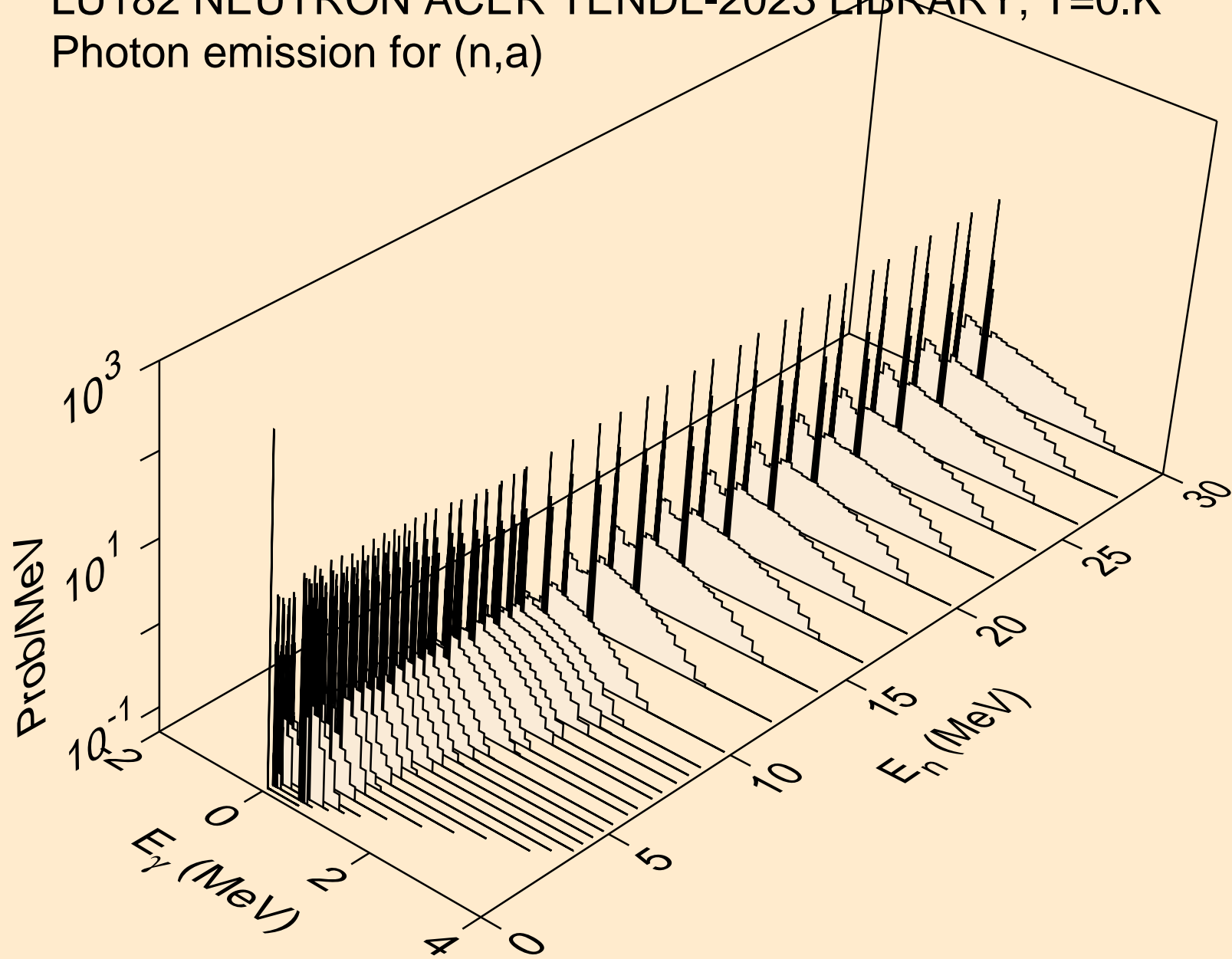
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Photon emission for (n,t)



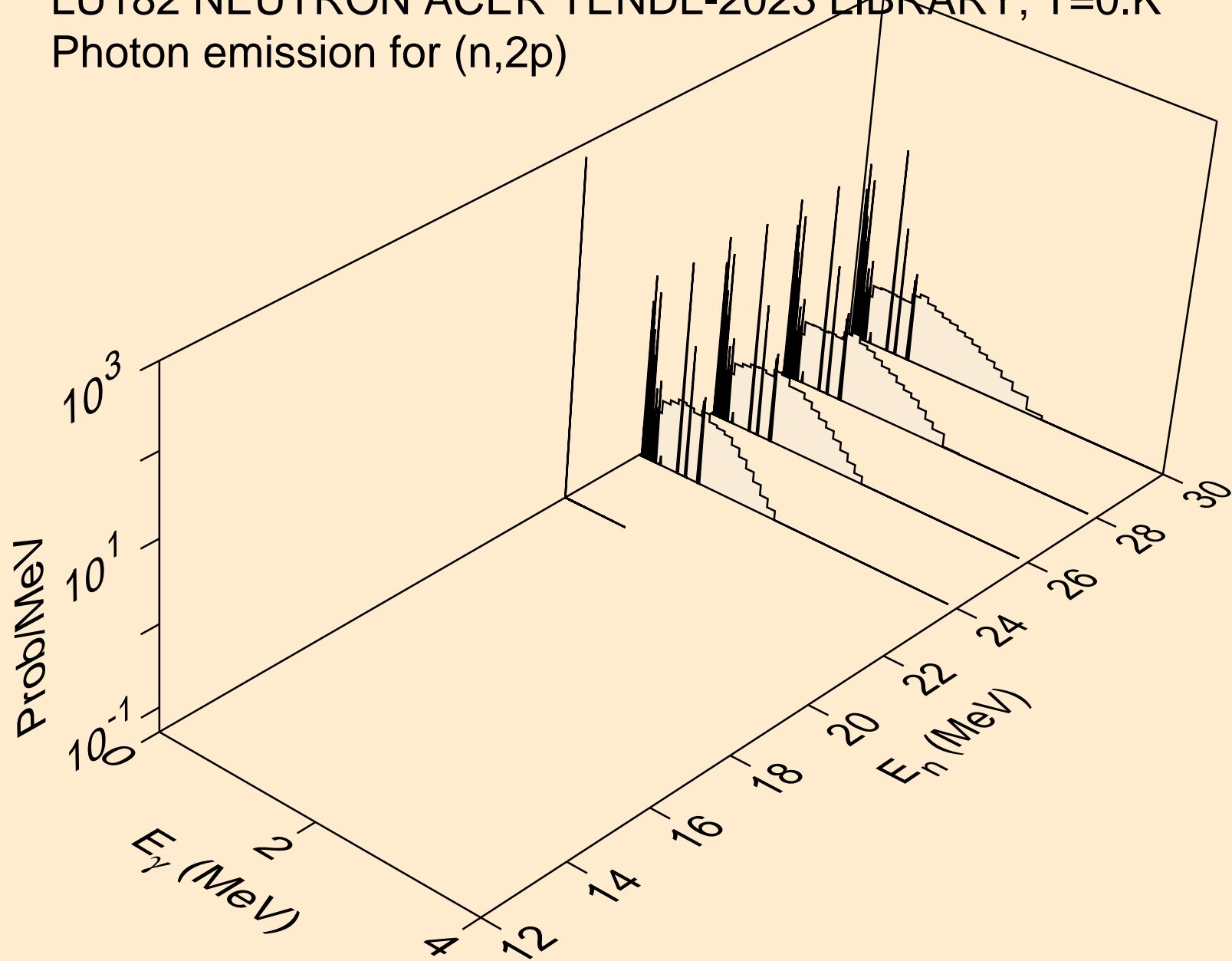
LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

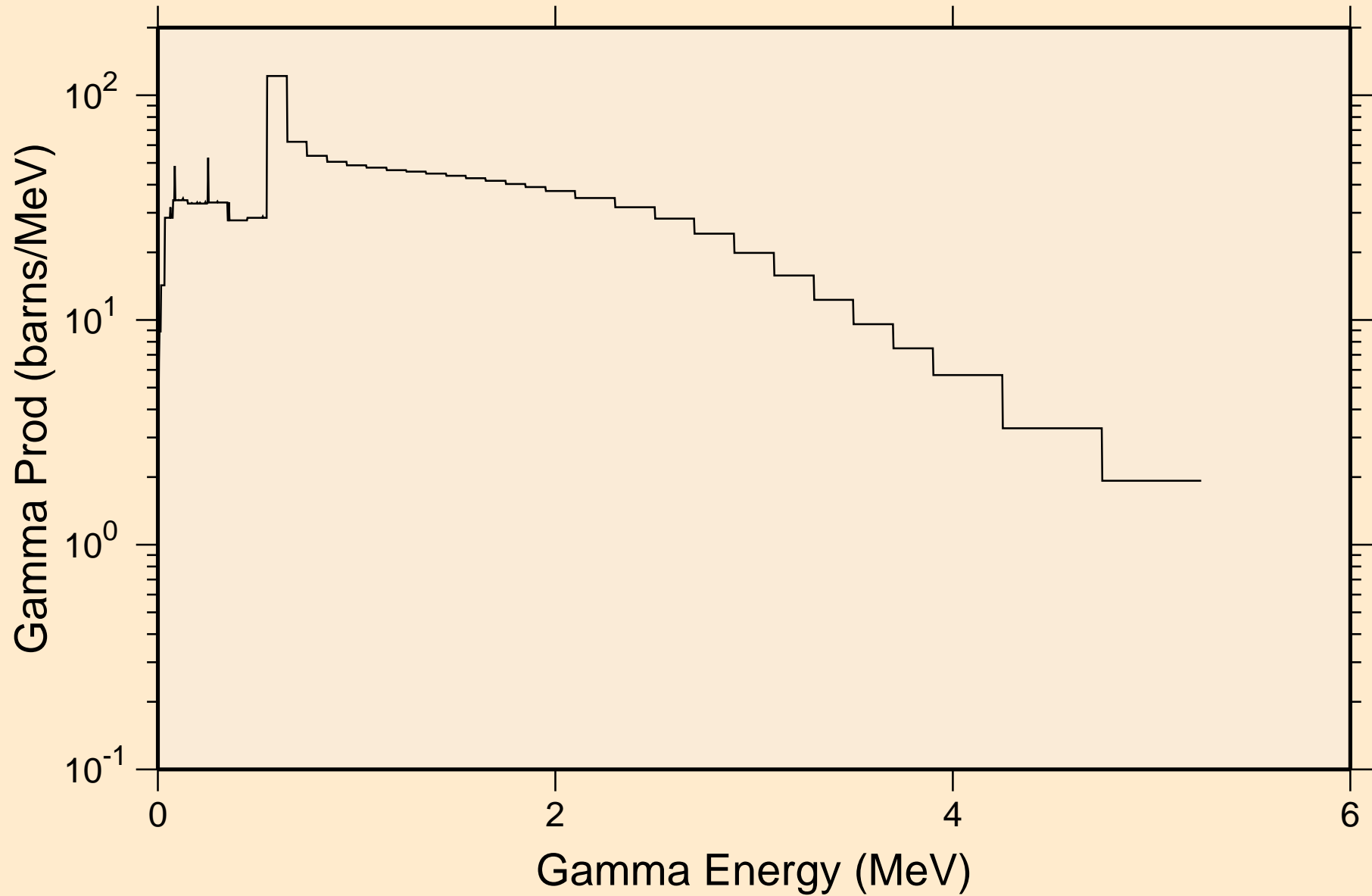


LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)

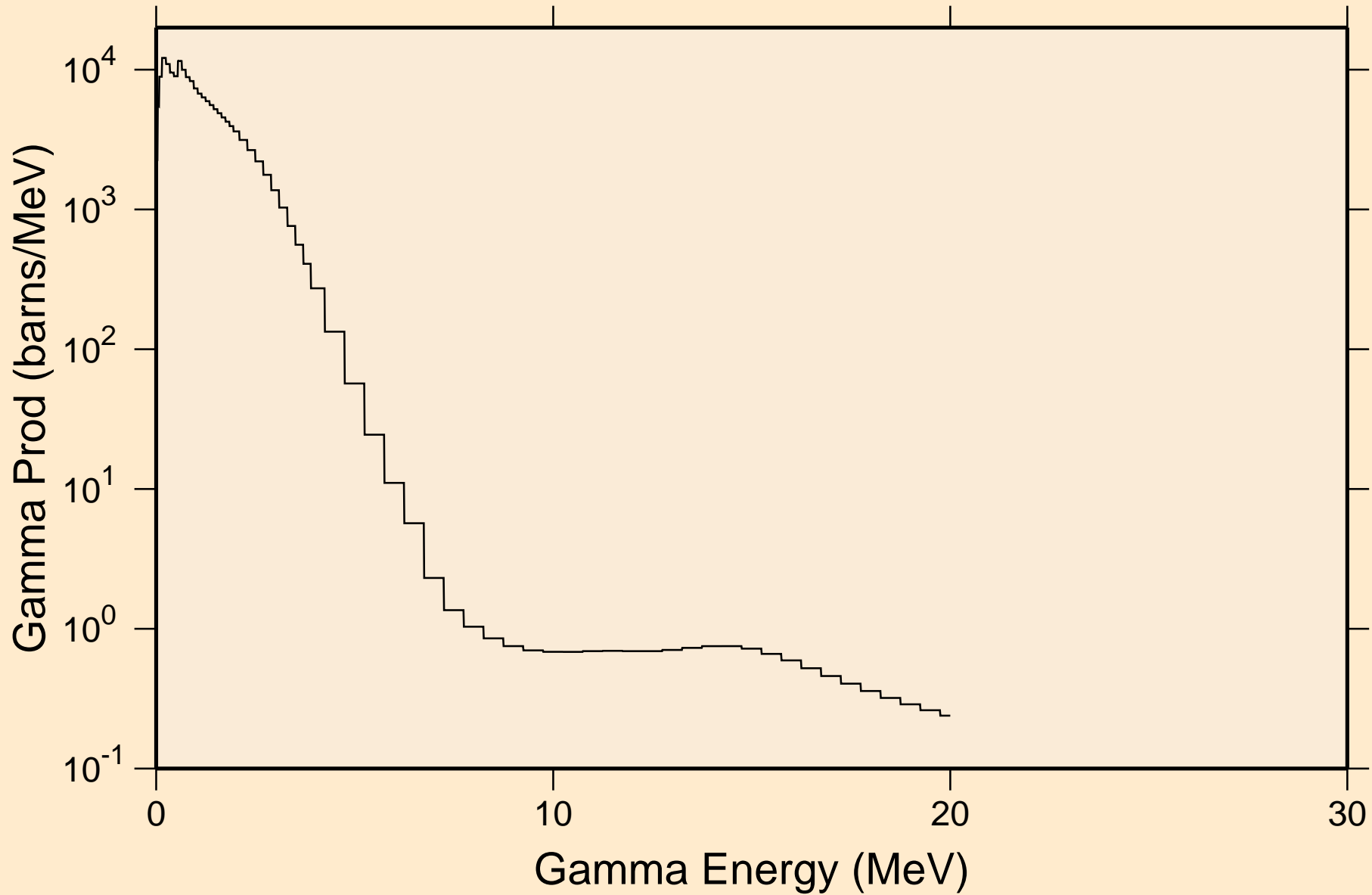




LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

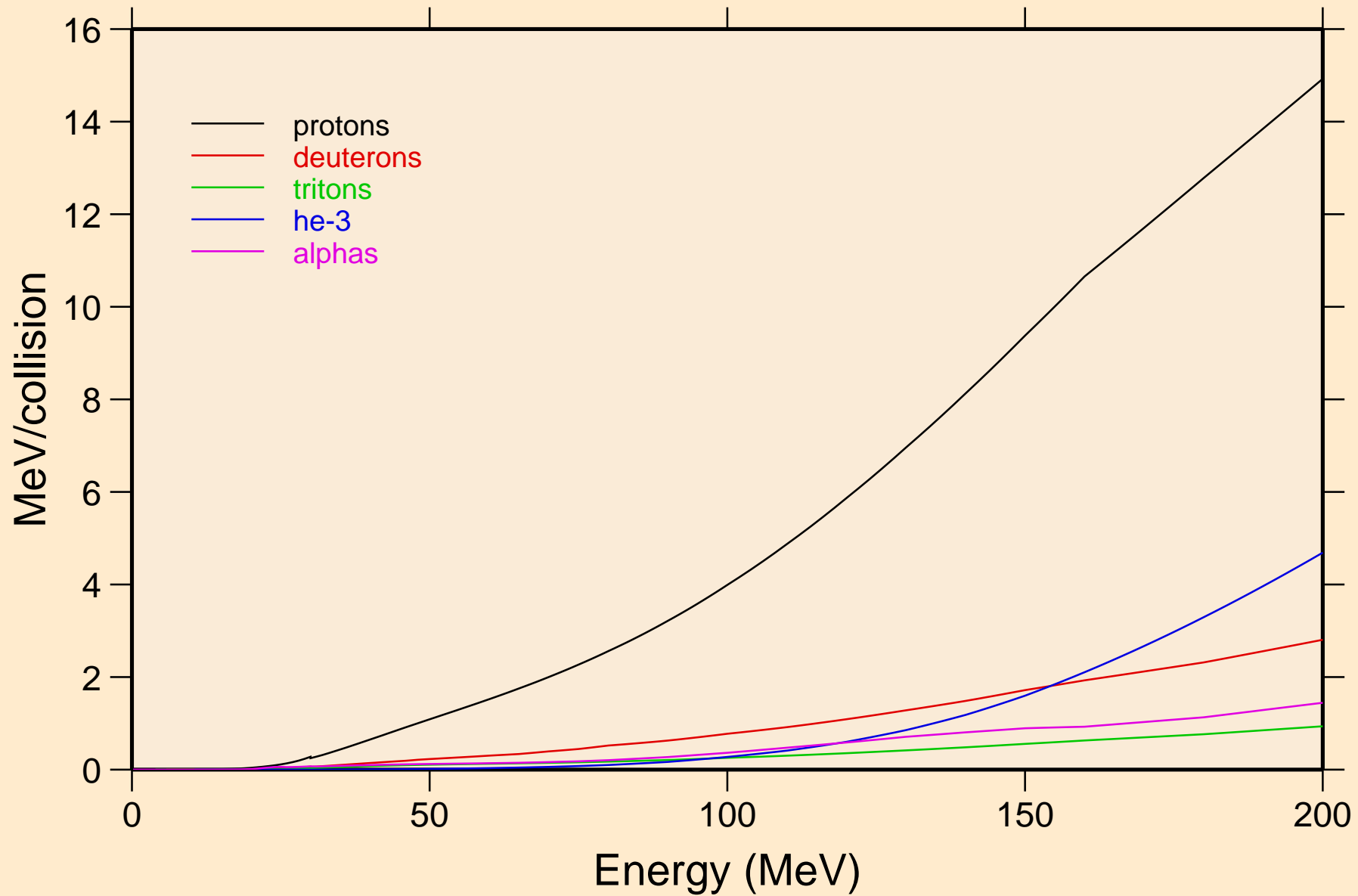


LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

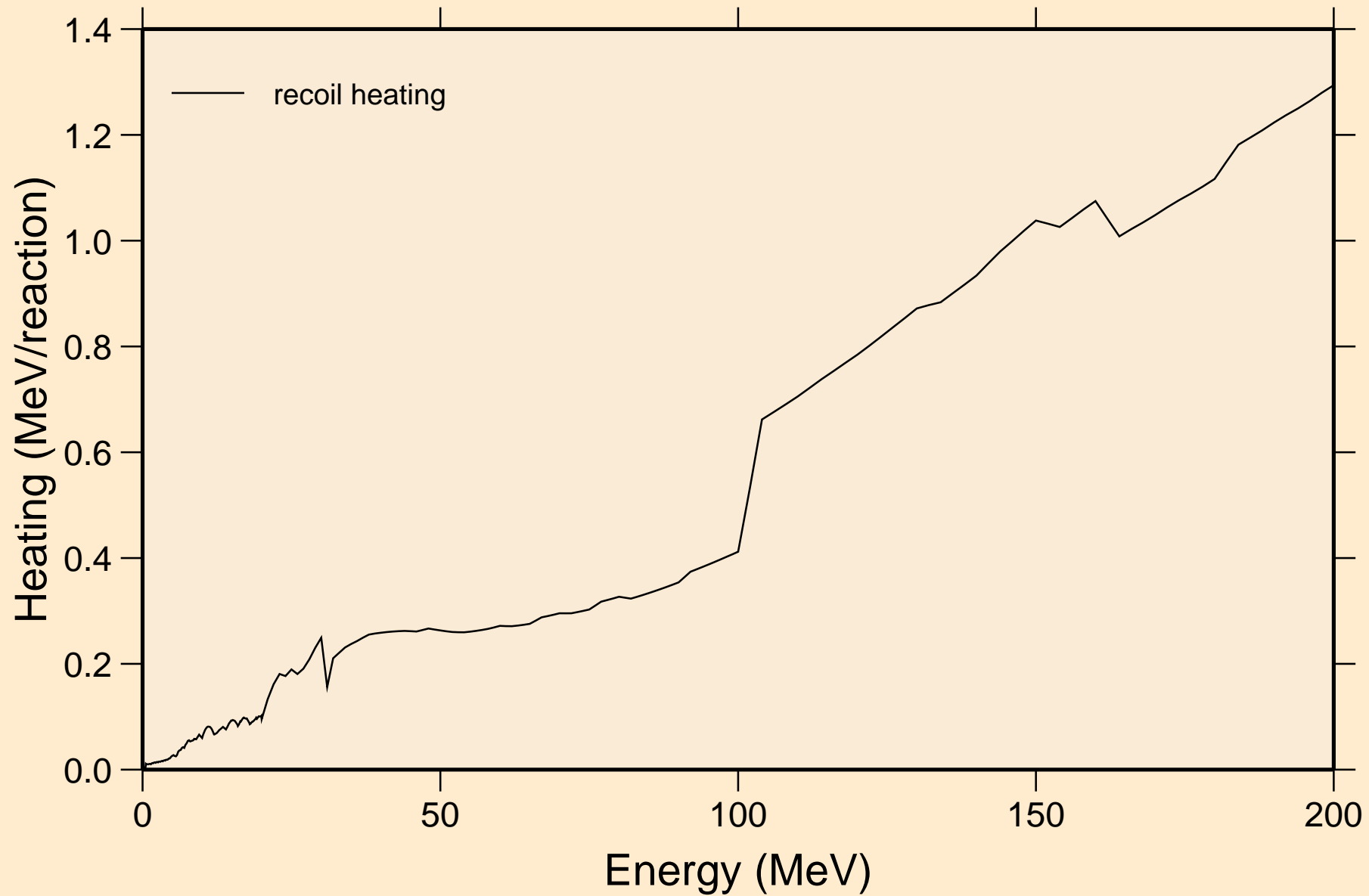


# LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

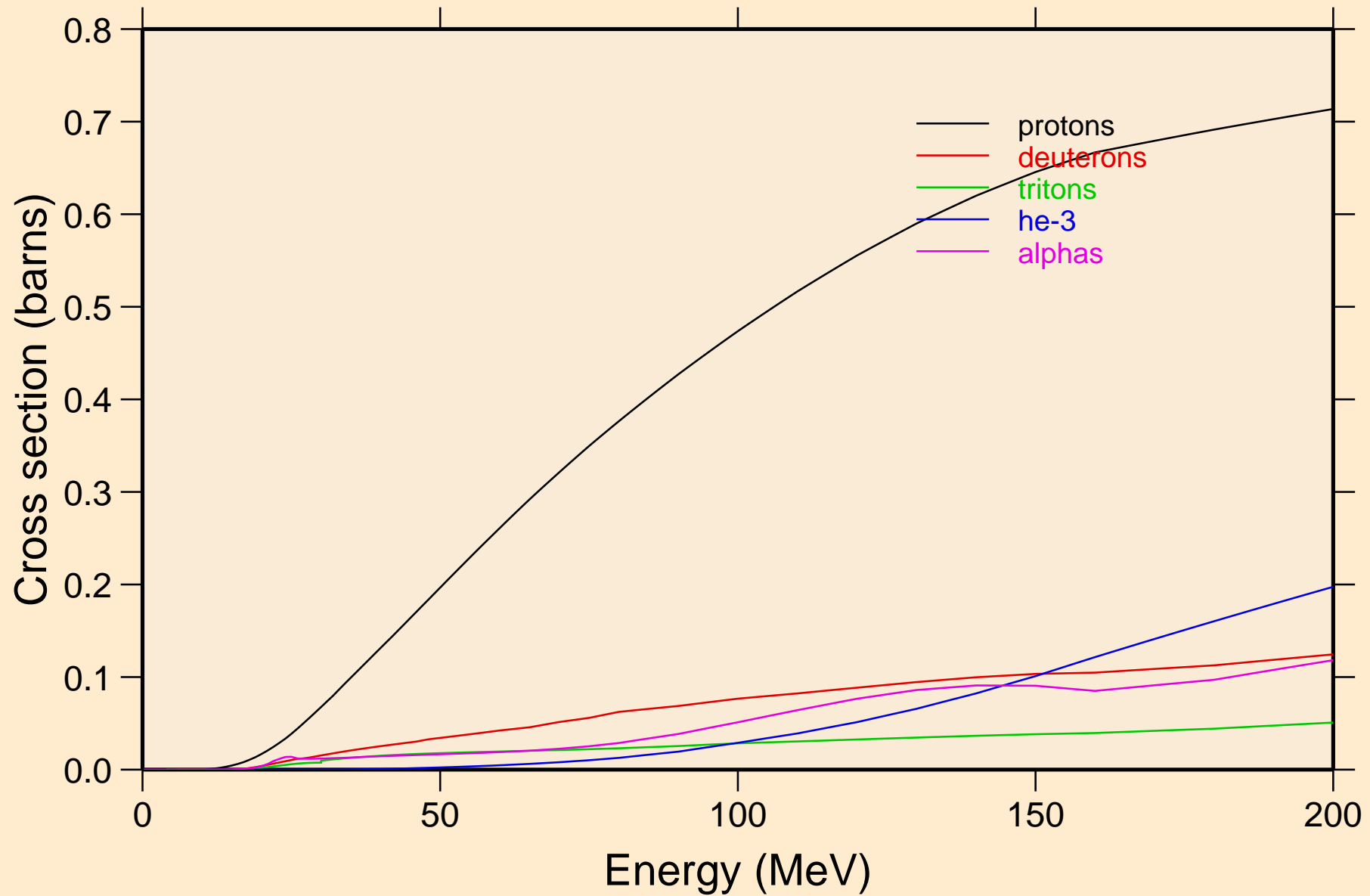


LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

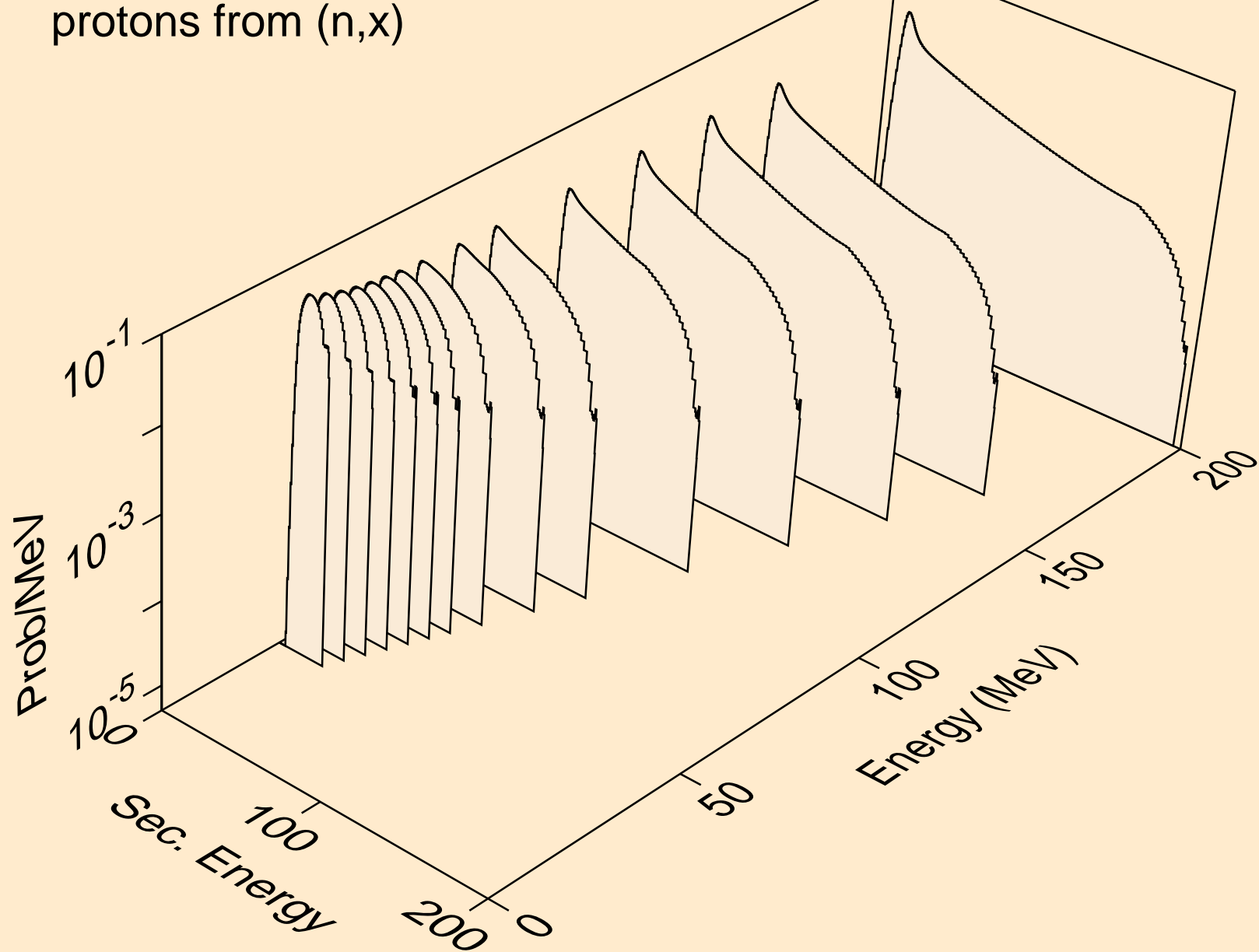


# LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

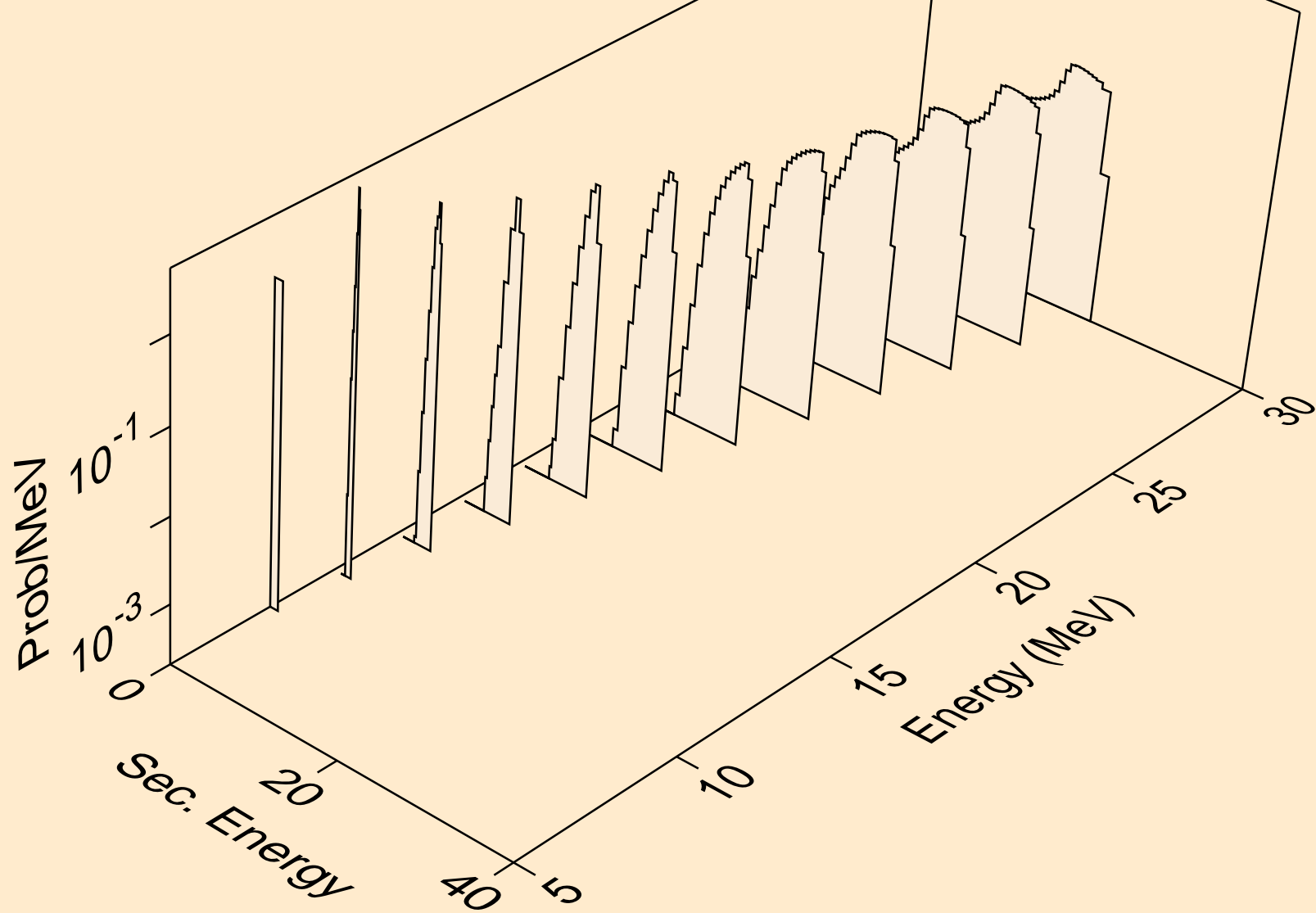
## Particle production cross sections



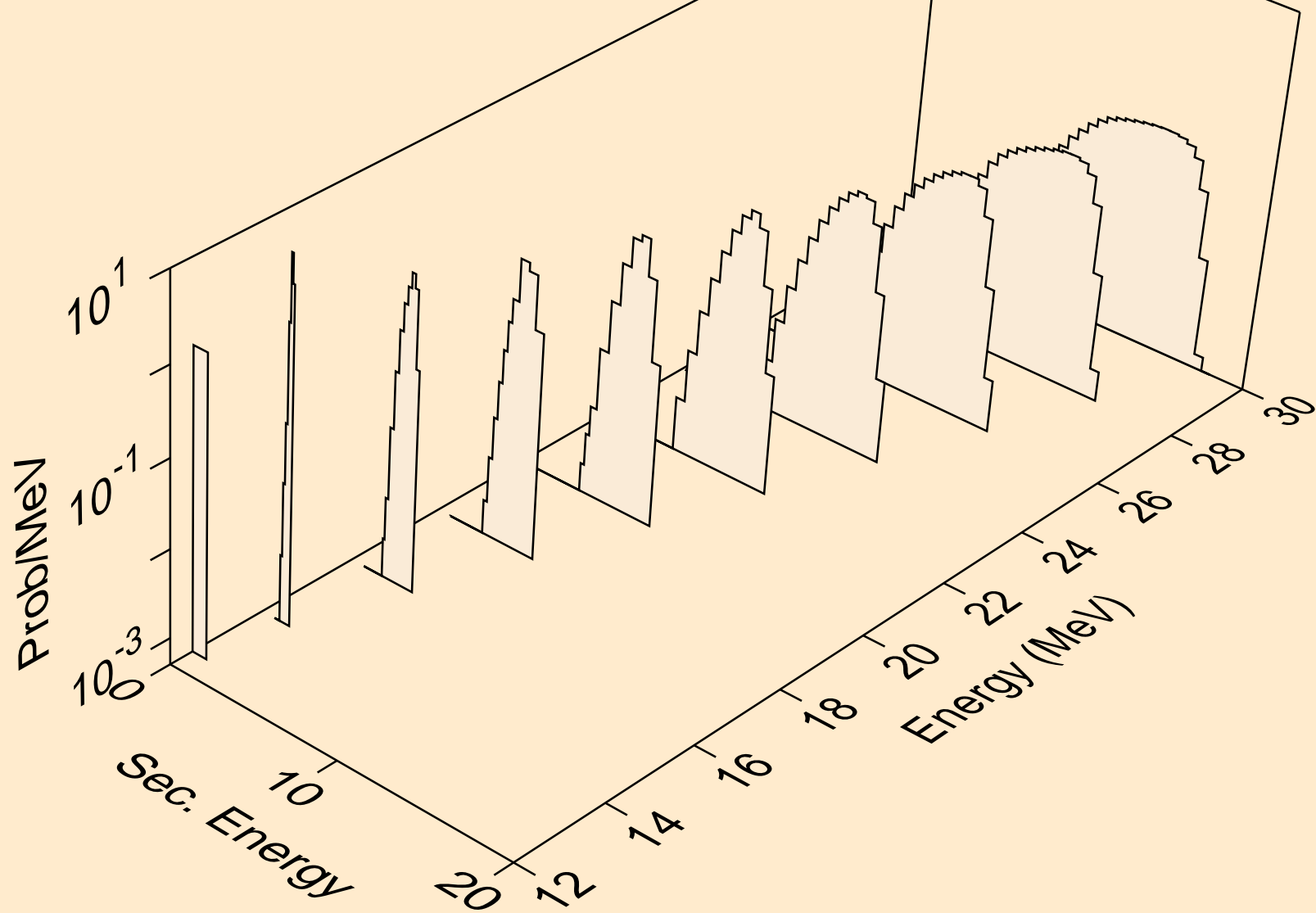
LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p

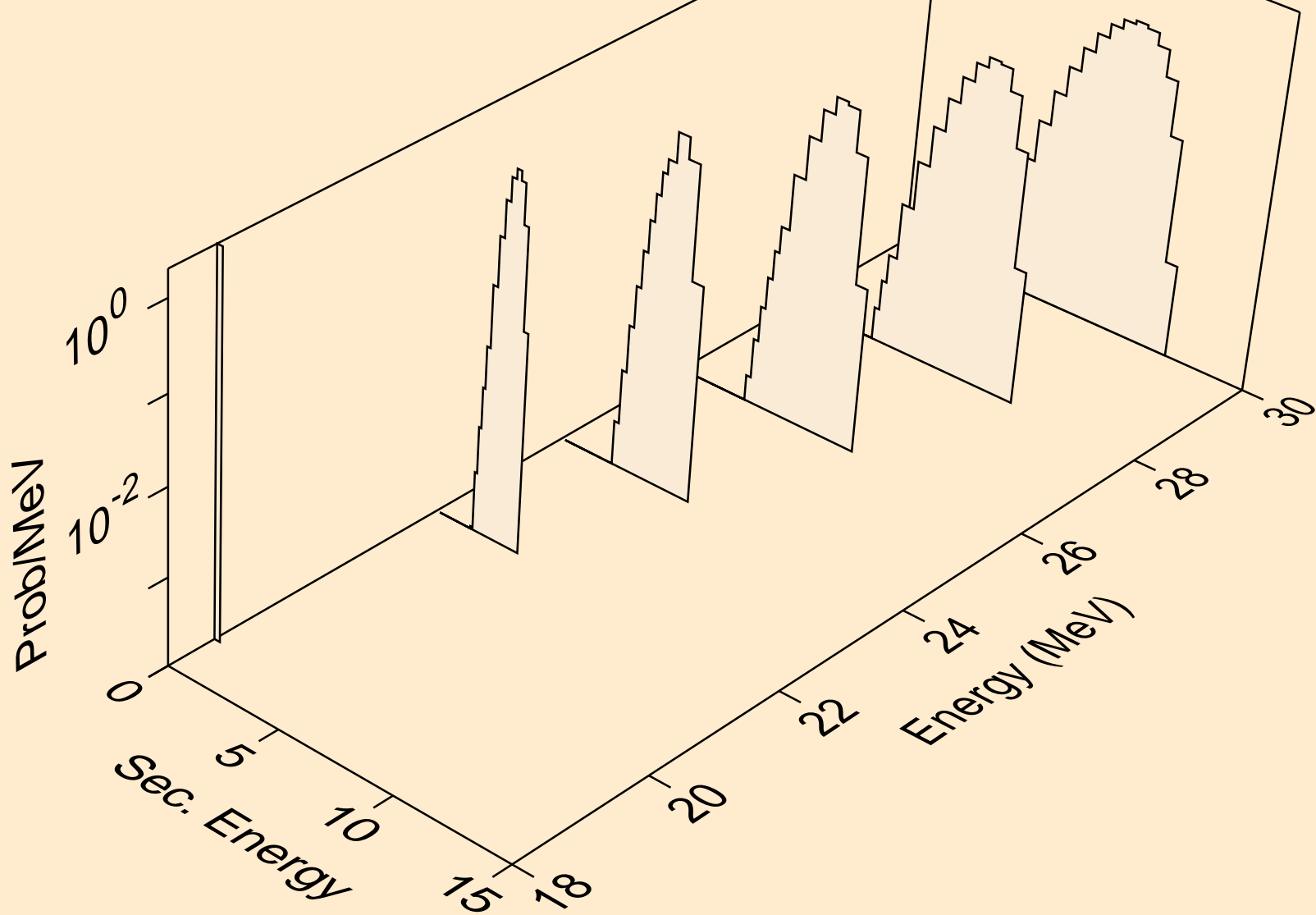


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protons from (n,2np)

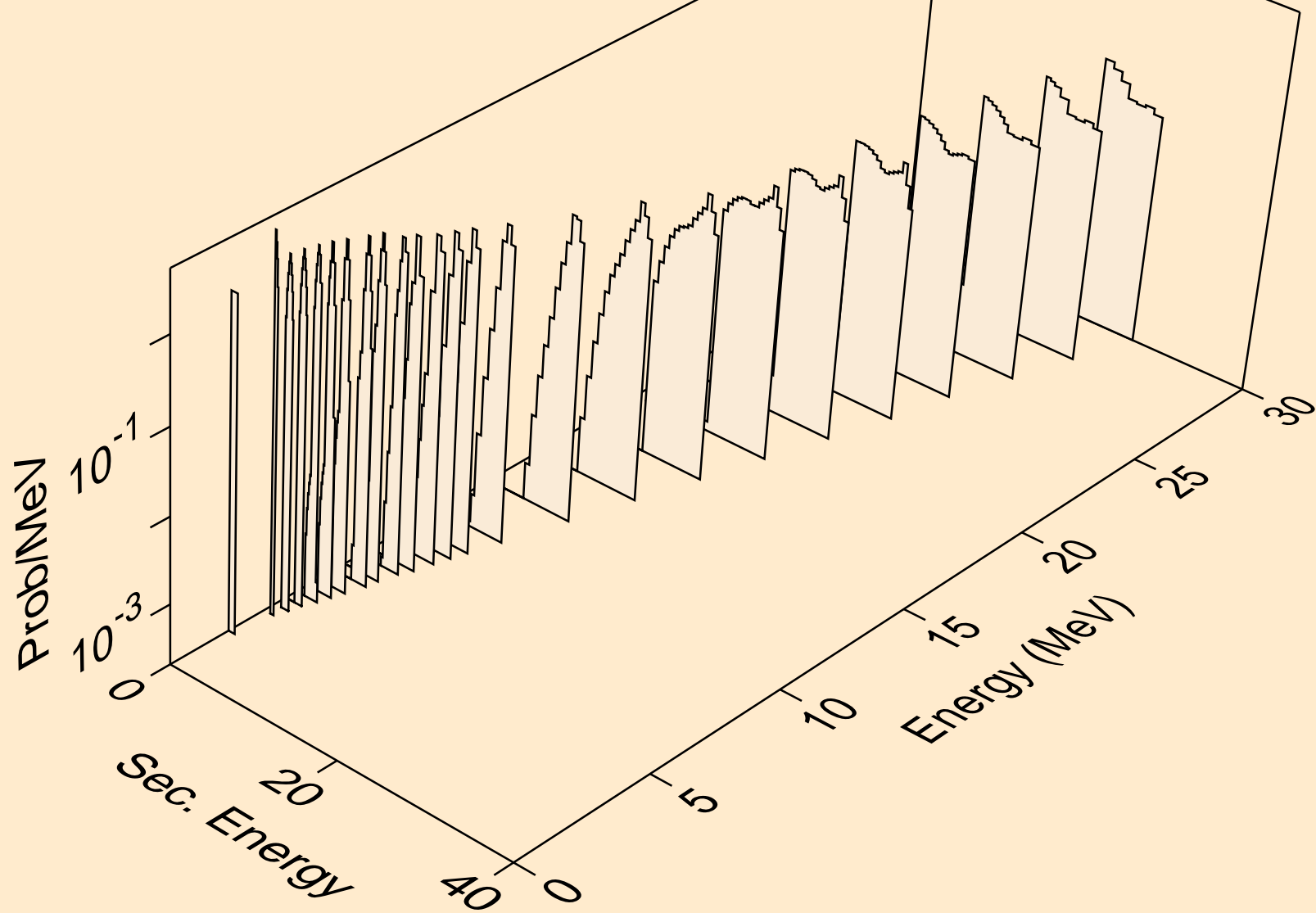




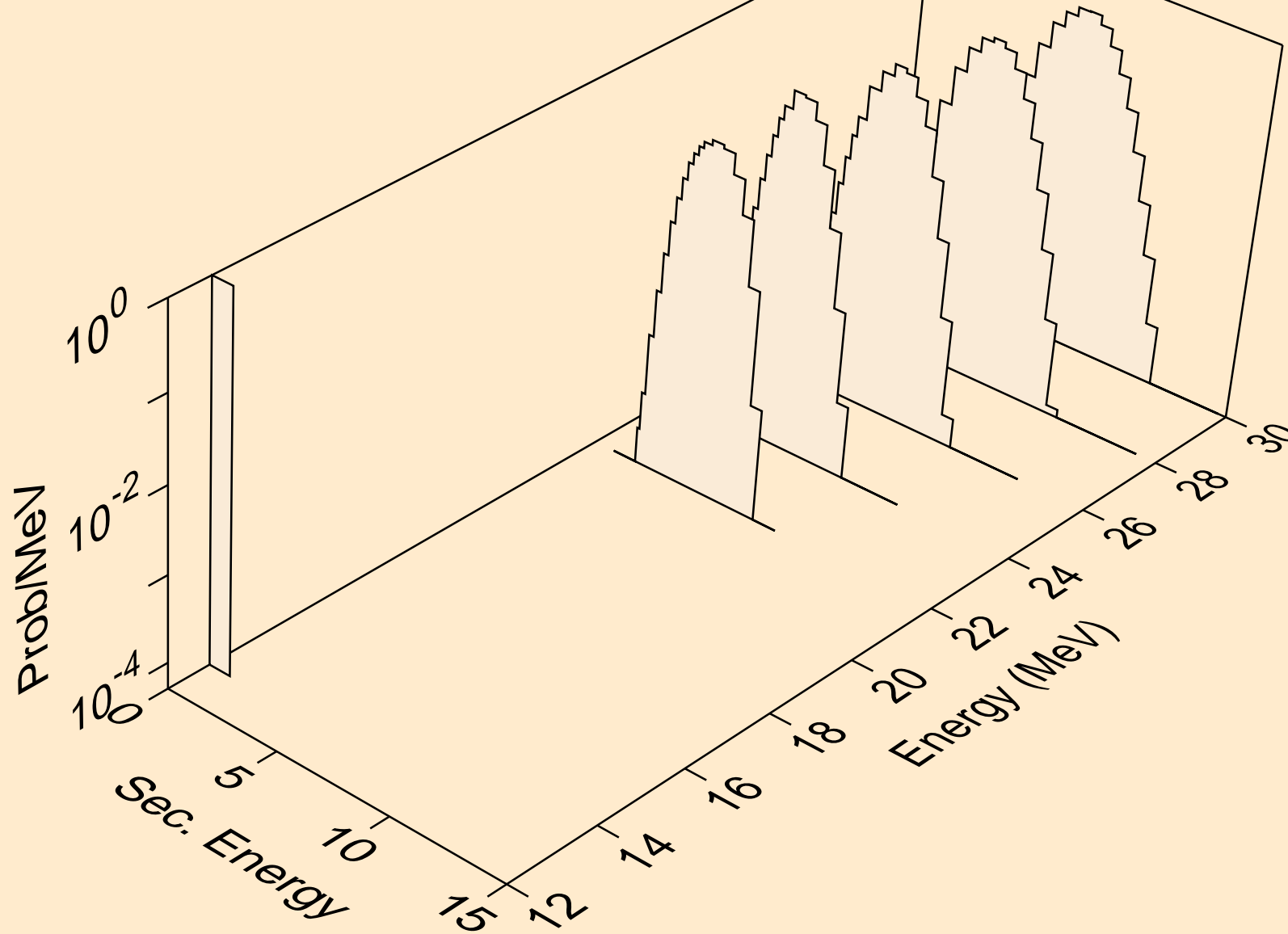
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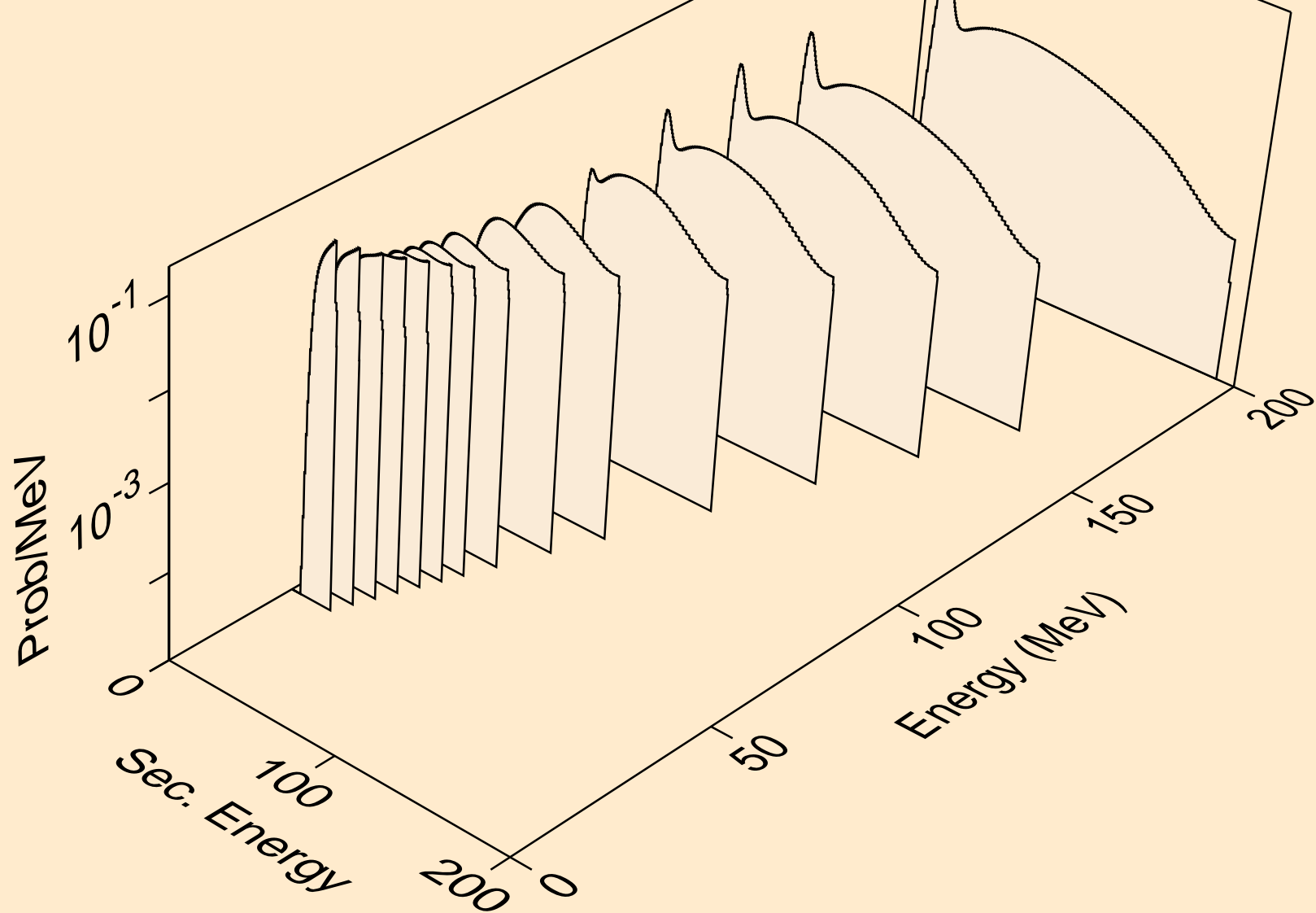
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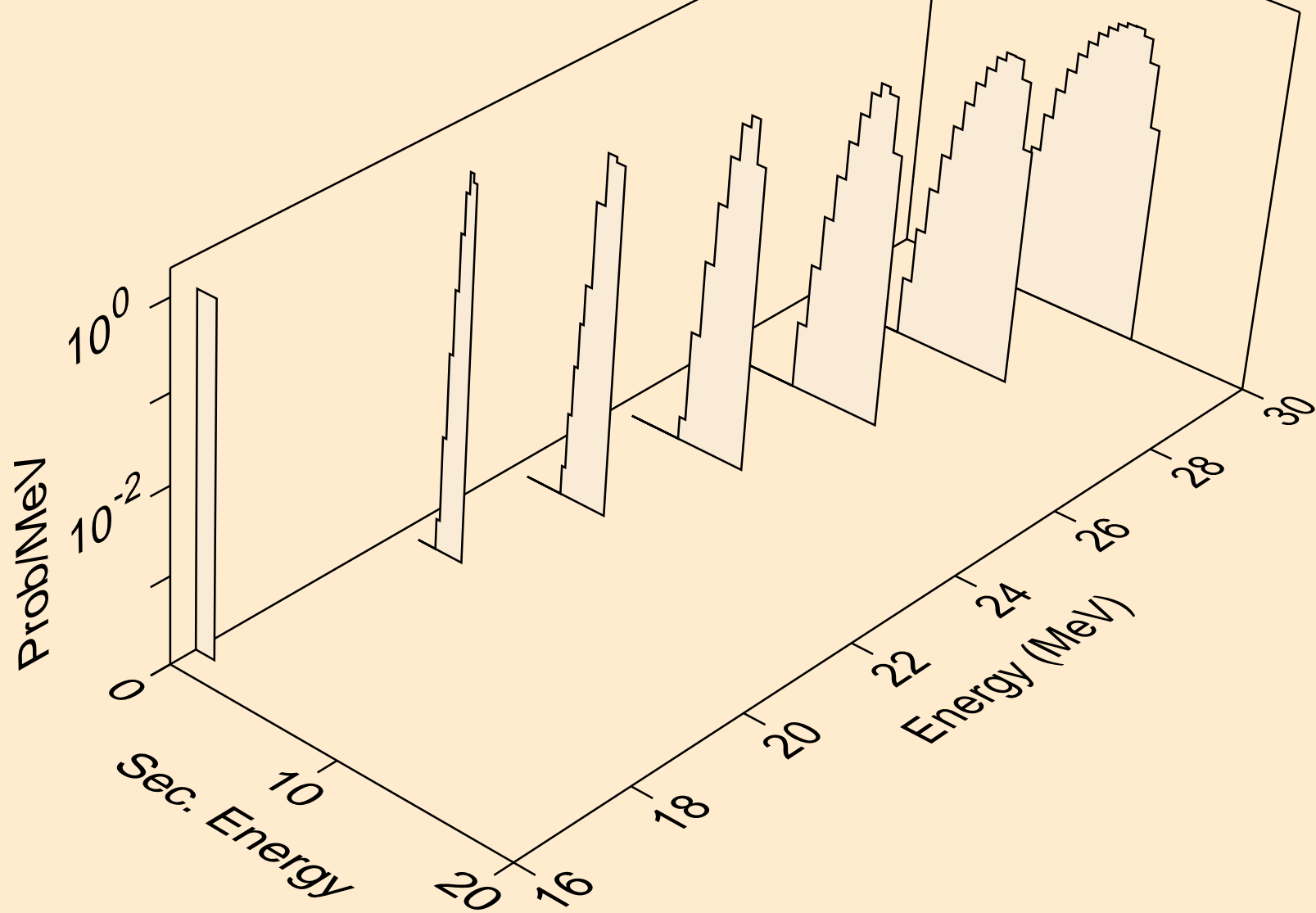
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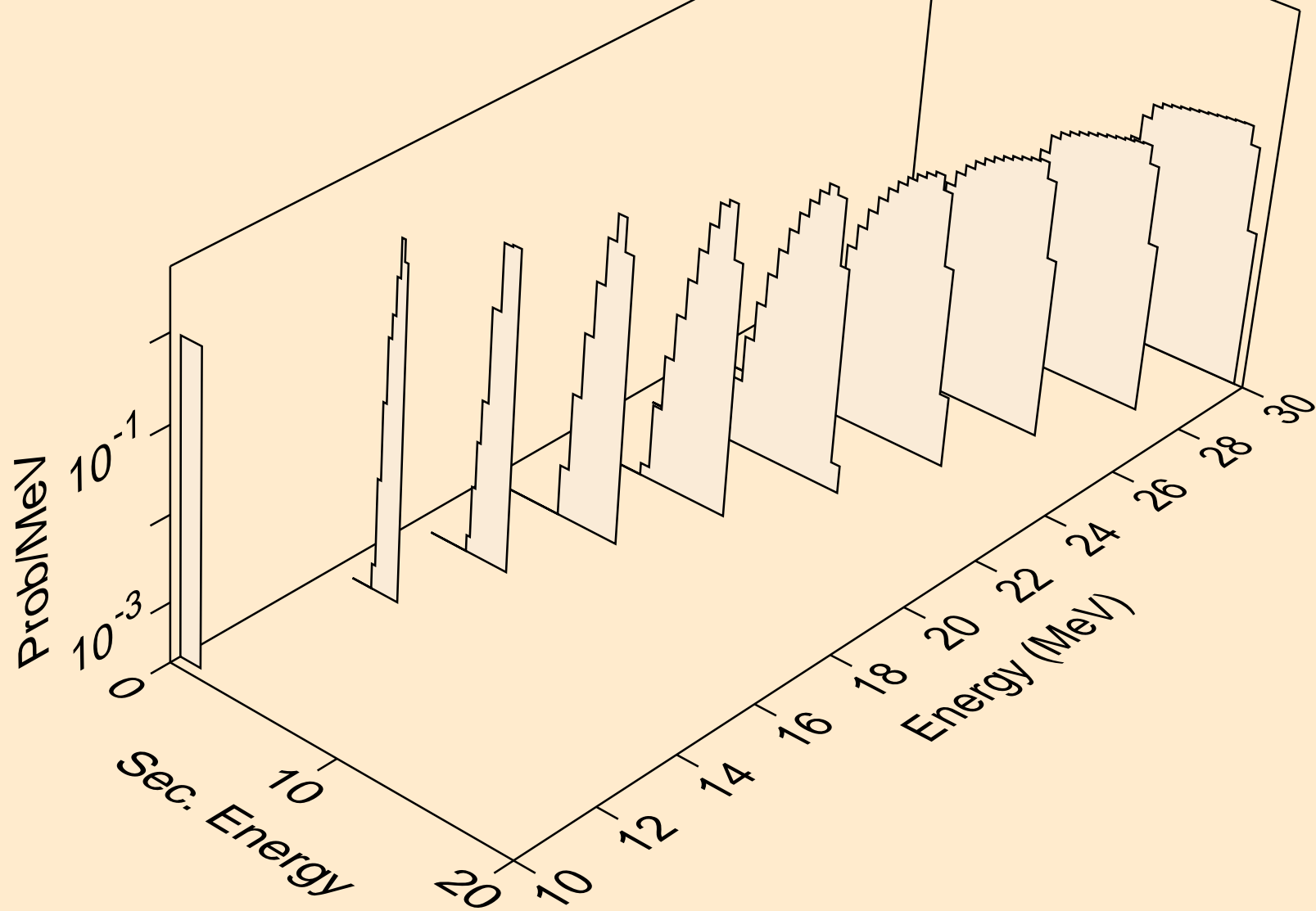
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deuterons from (n,x)



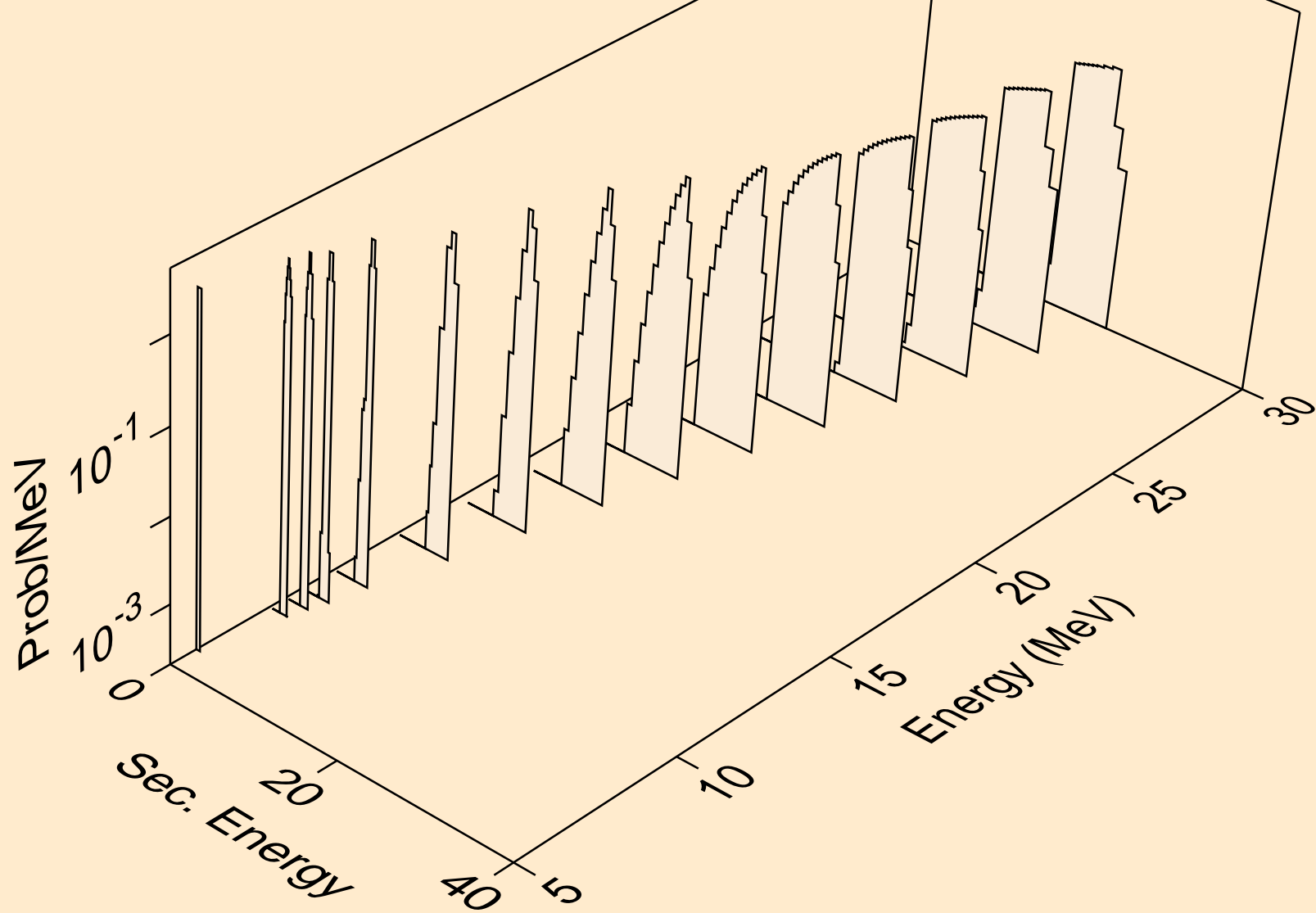
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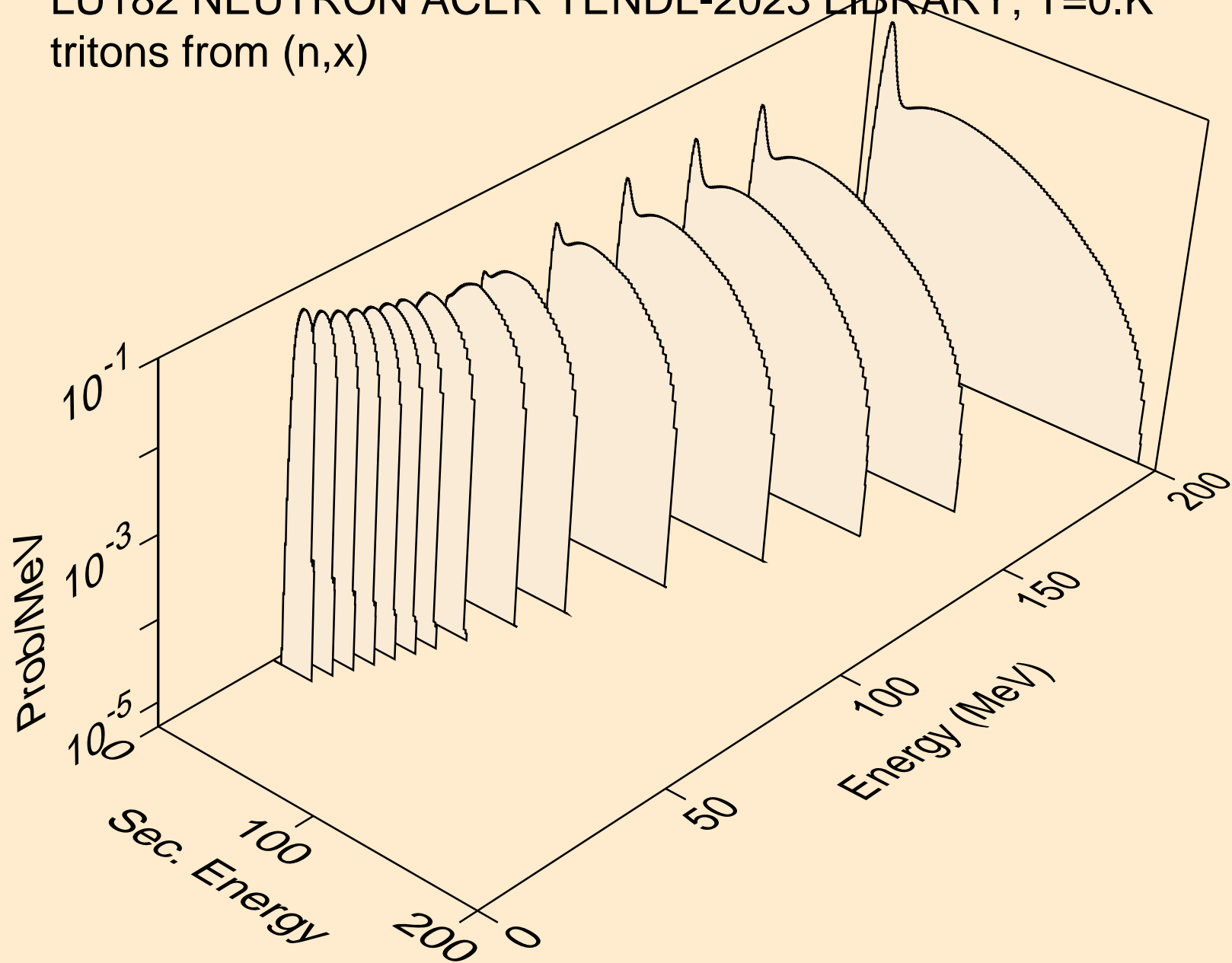
LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d)

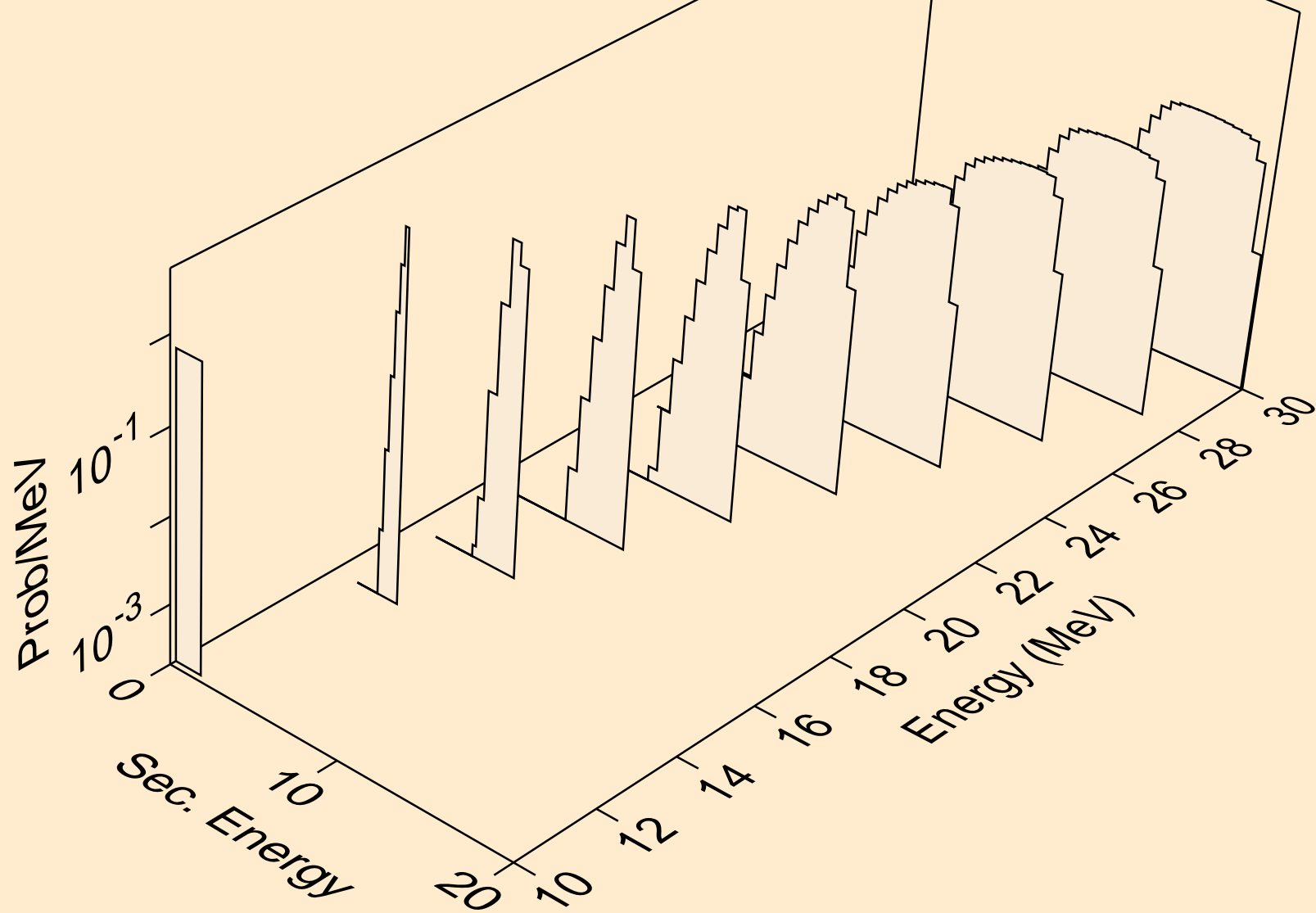


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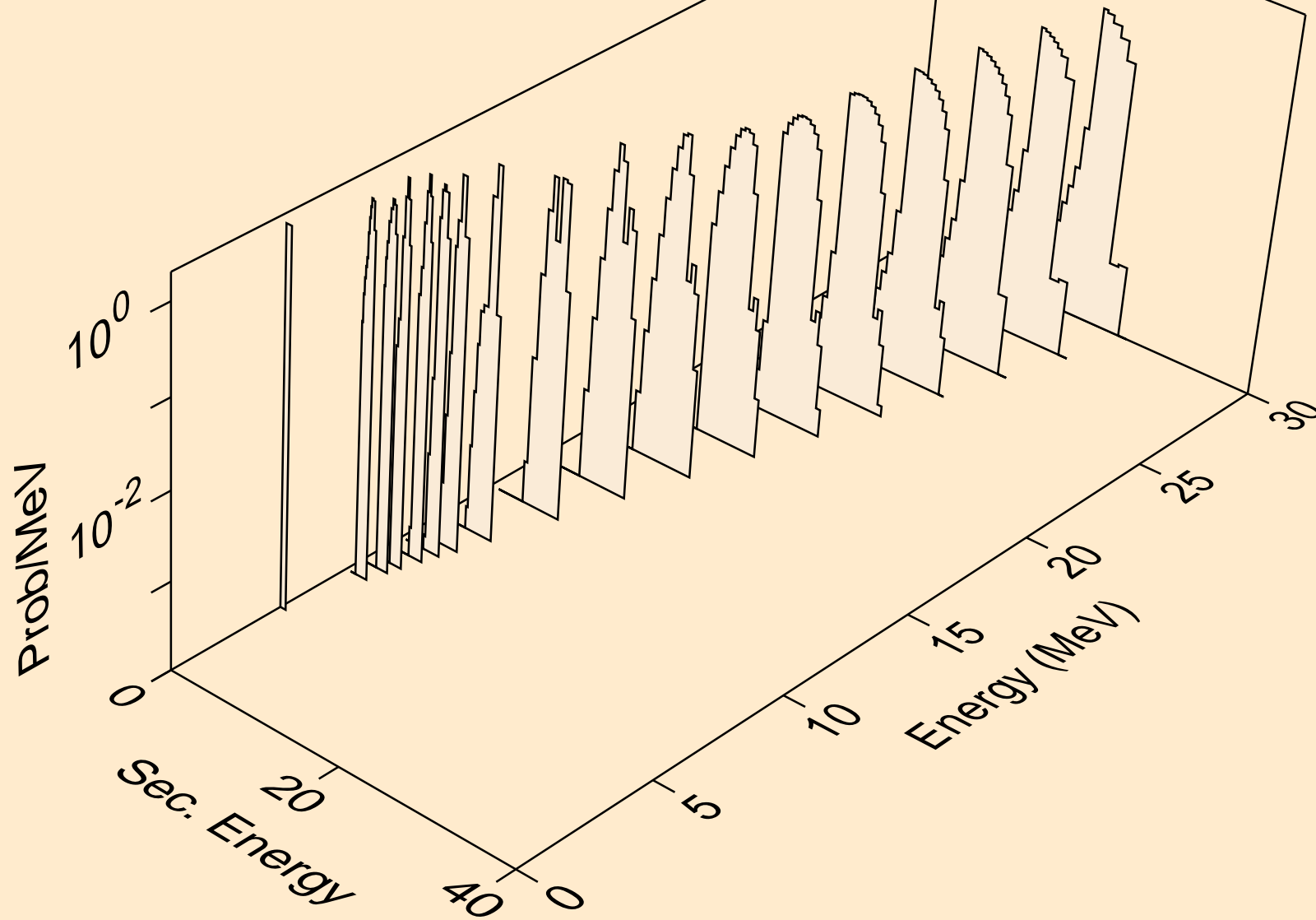




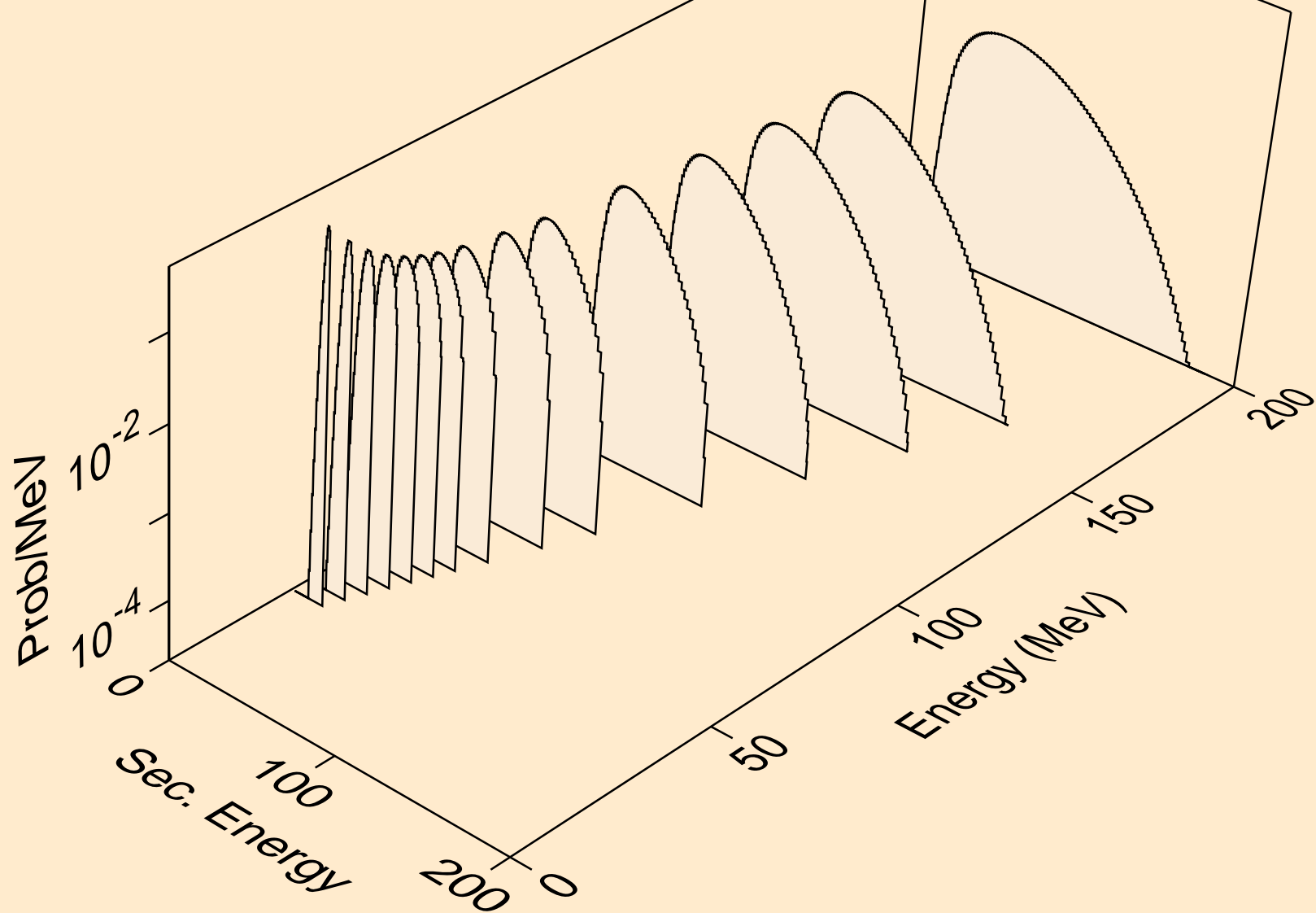
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tritons from (n,n\*)t



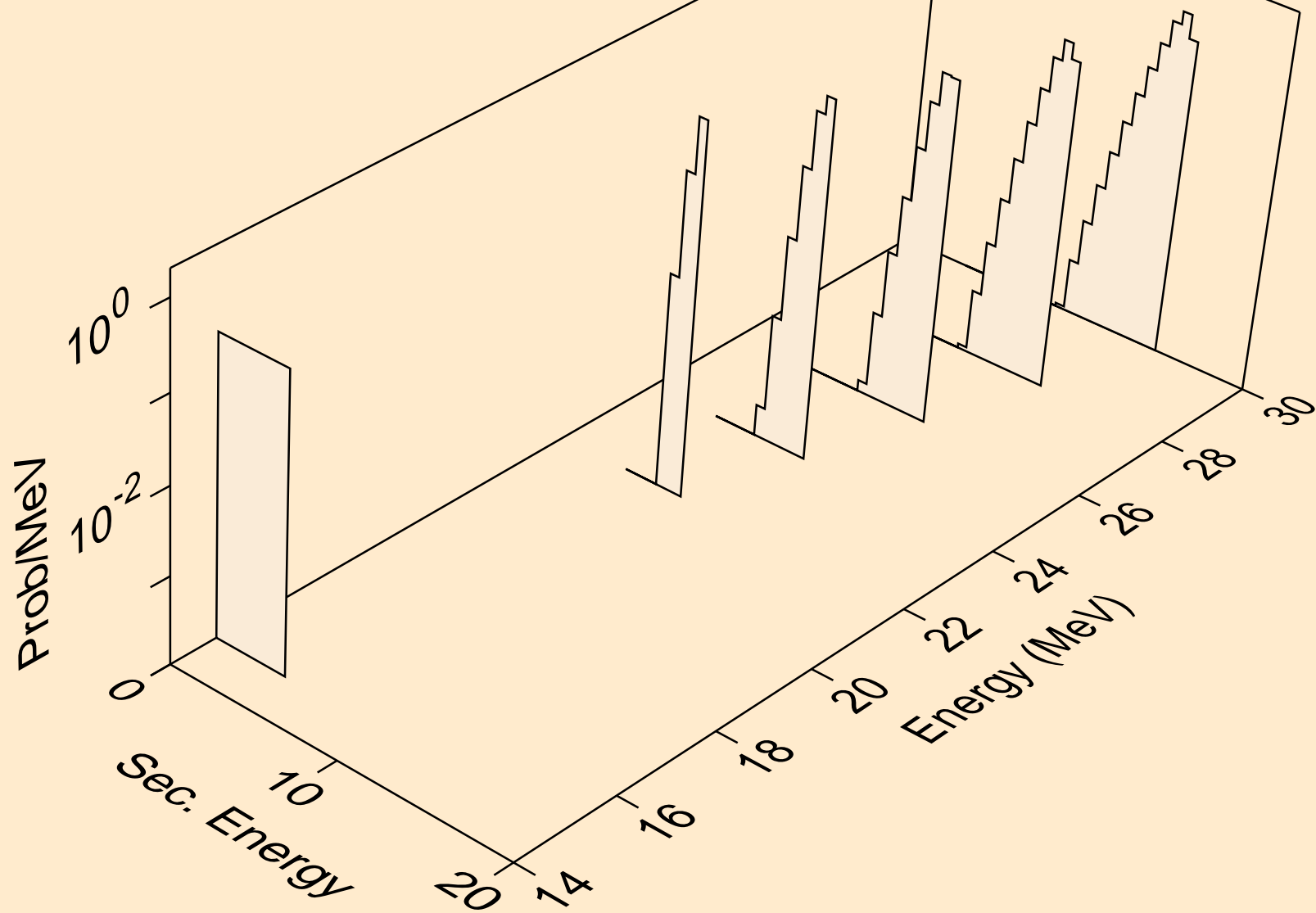
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tritons from (n,t)



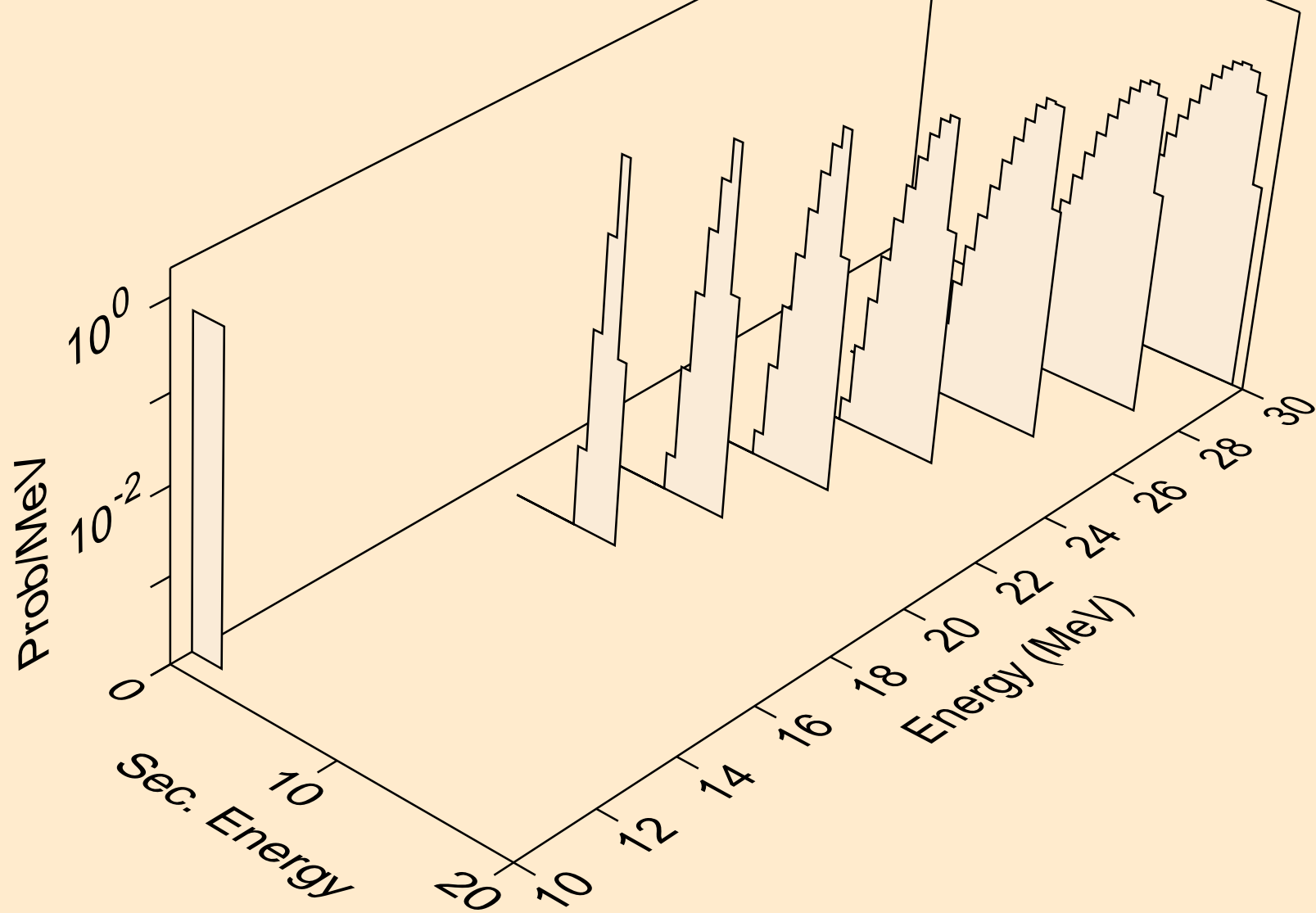
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he3s from (n,x)



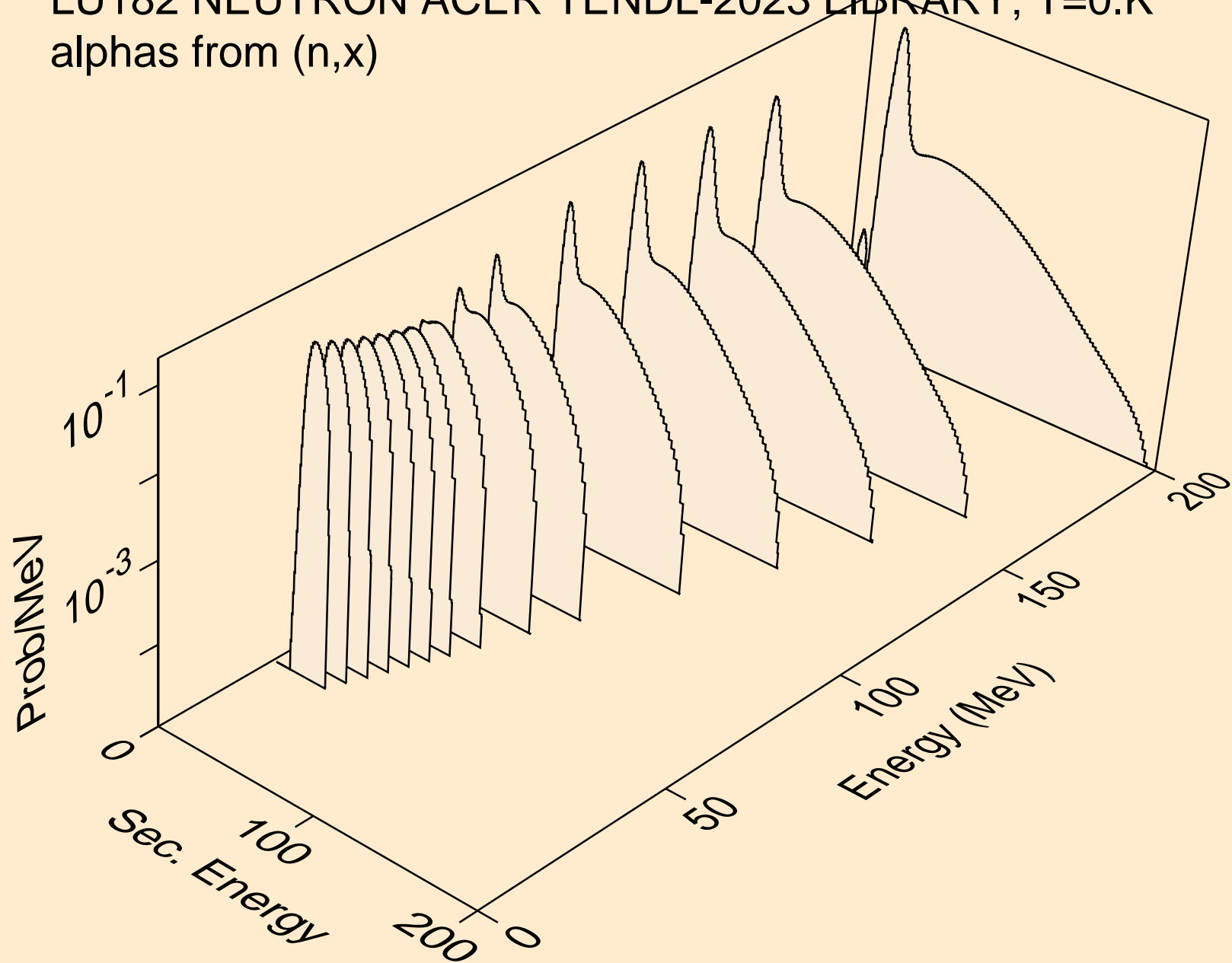
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he3s from (n,n\*)he3



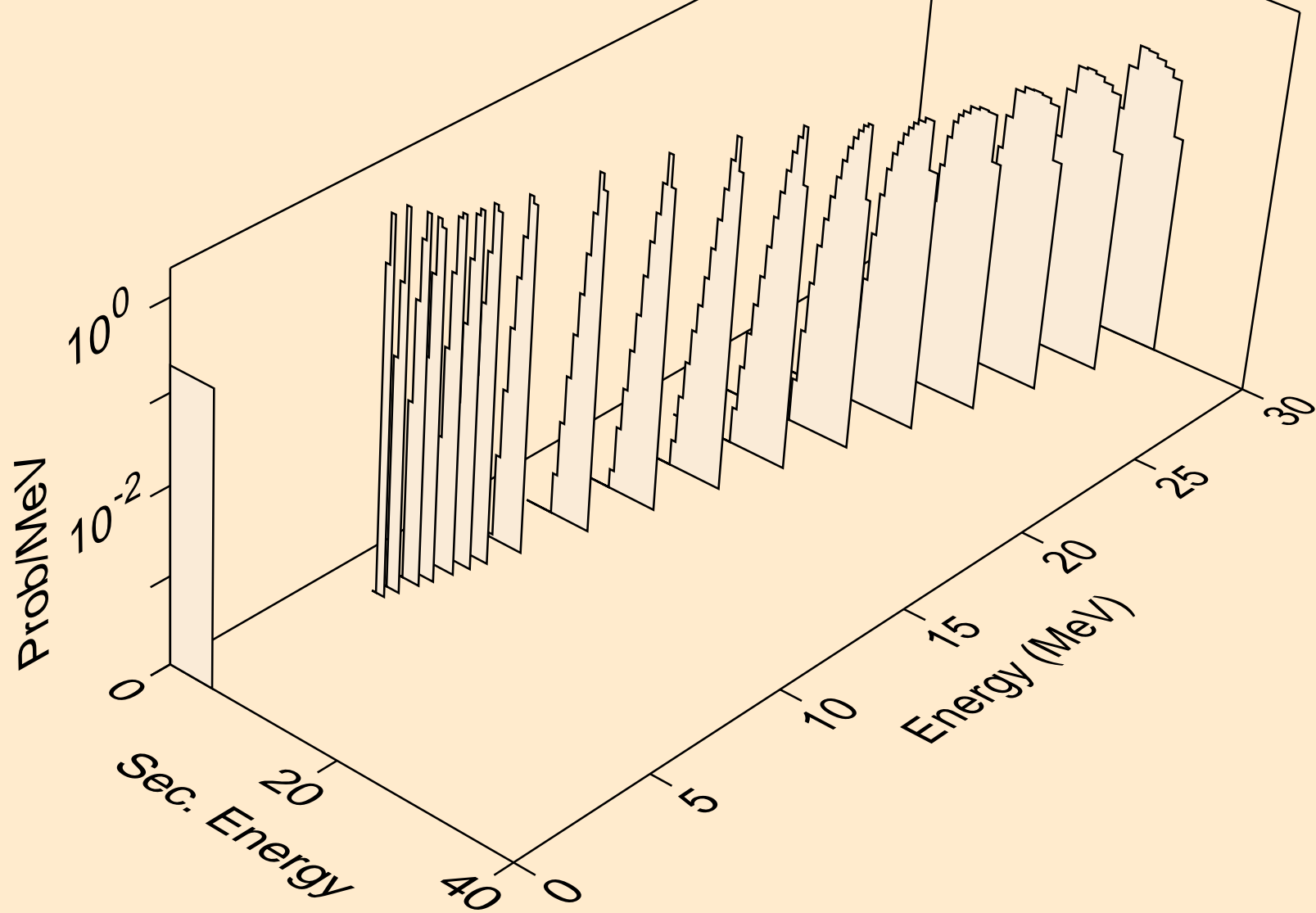
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he3s from (n,he3)



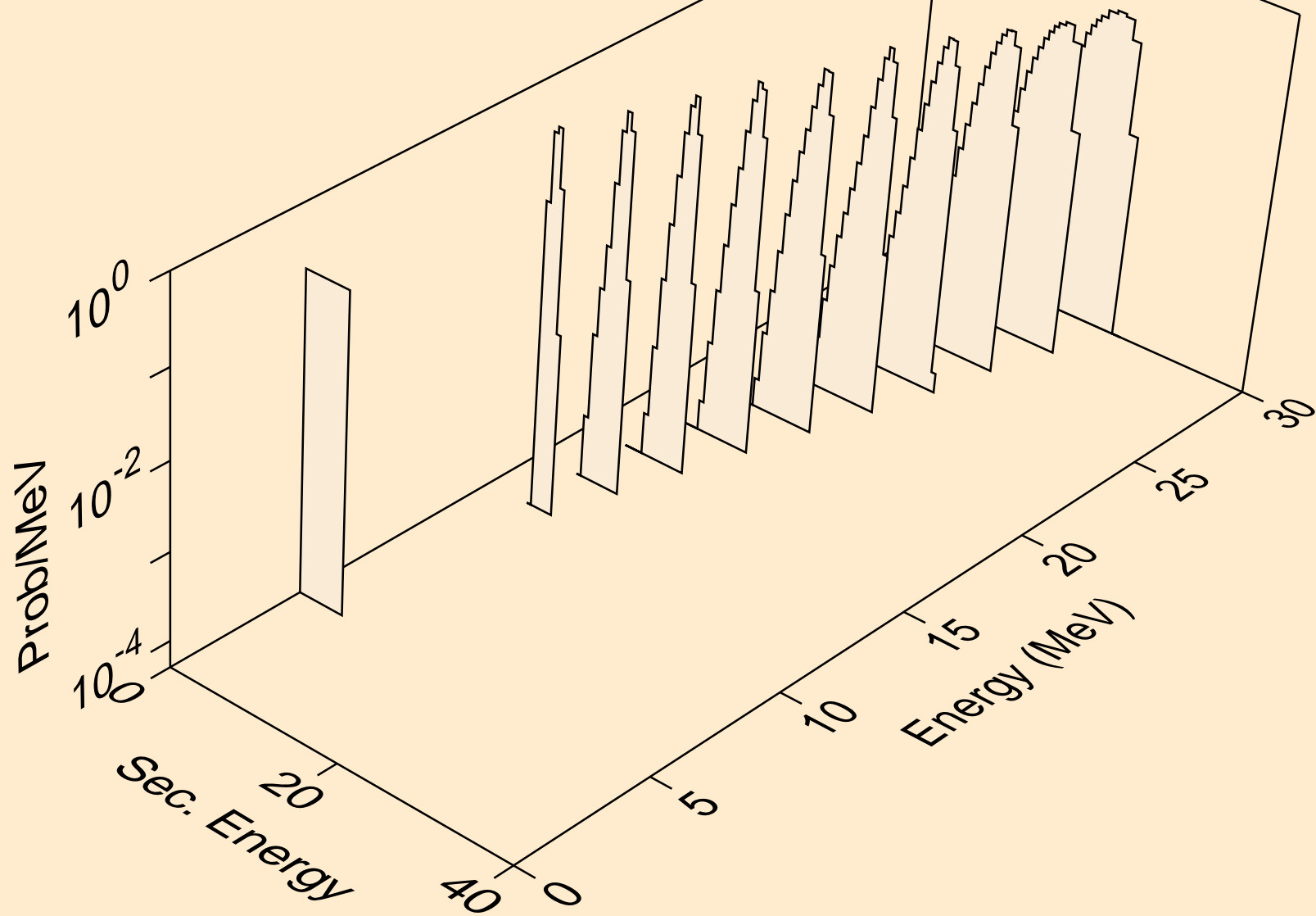
LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a

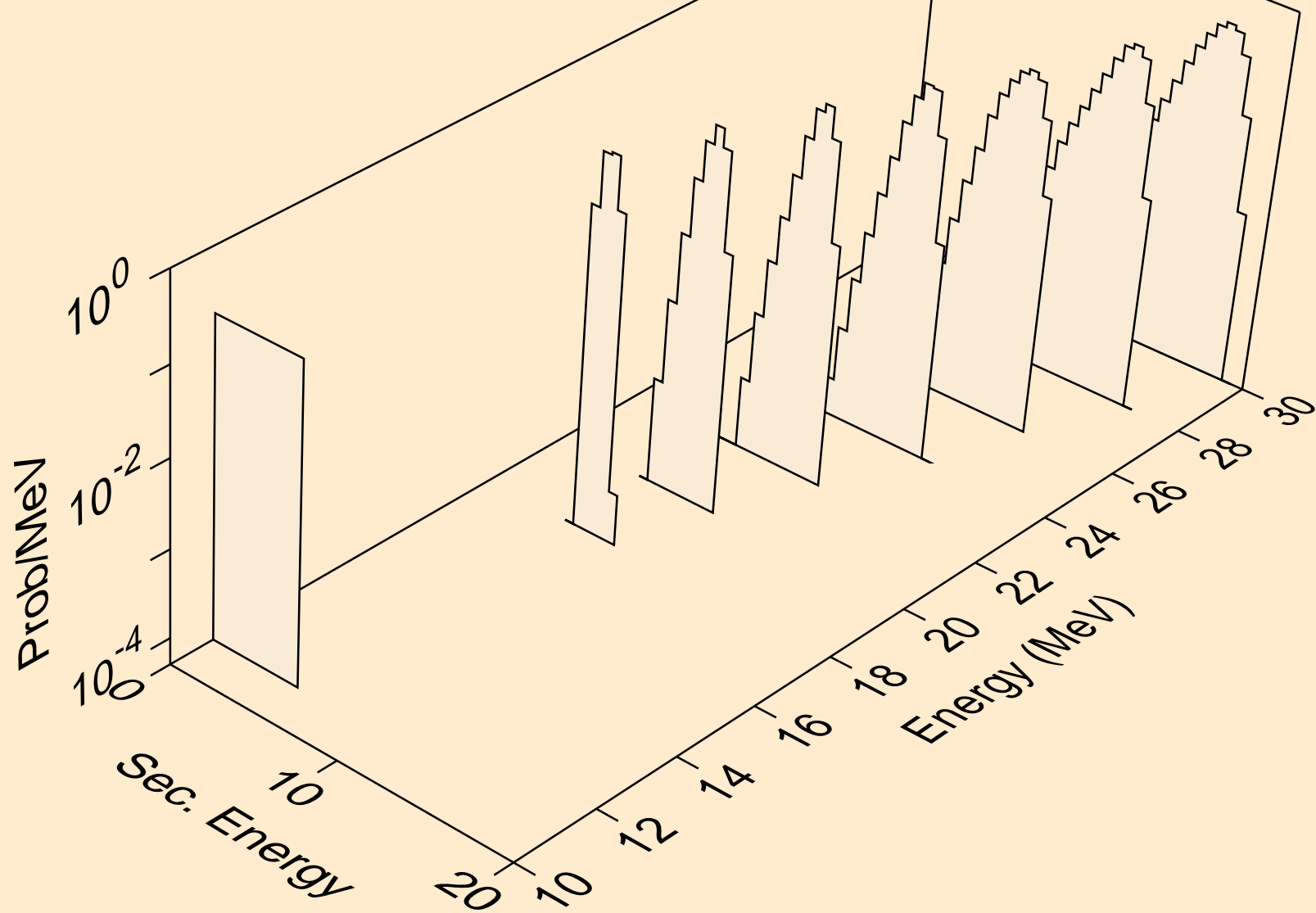


LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a





LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



LU182 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)

