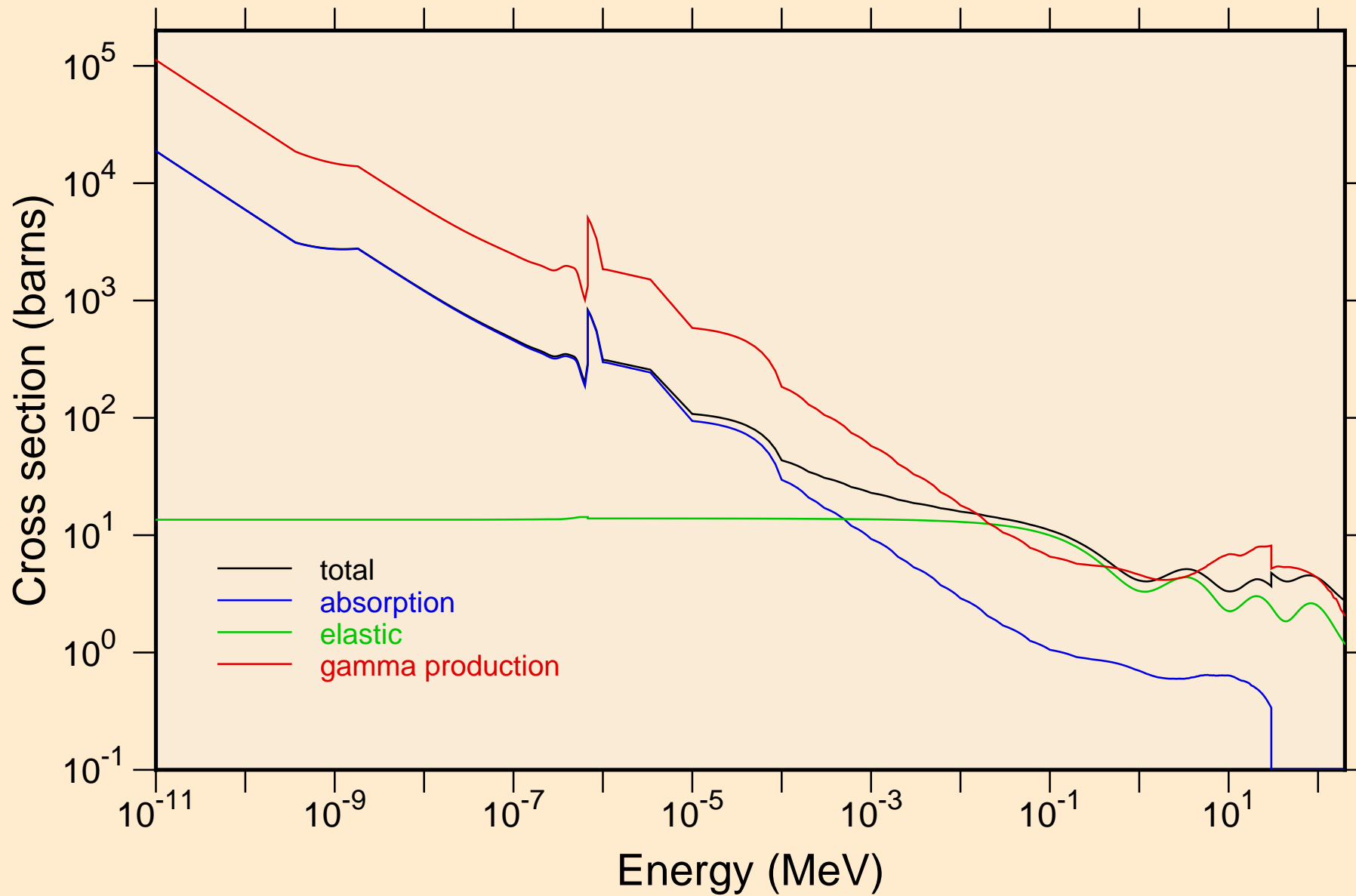


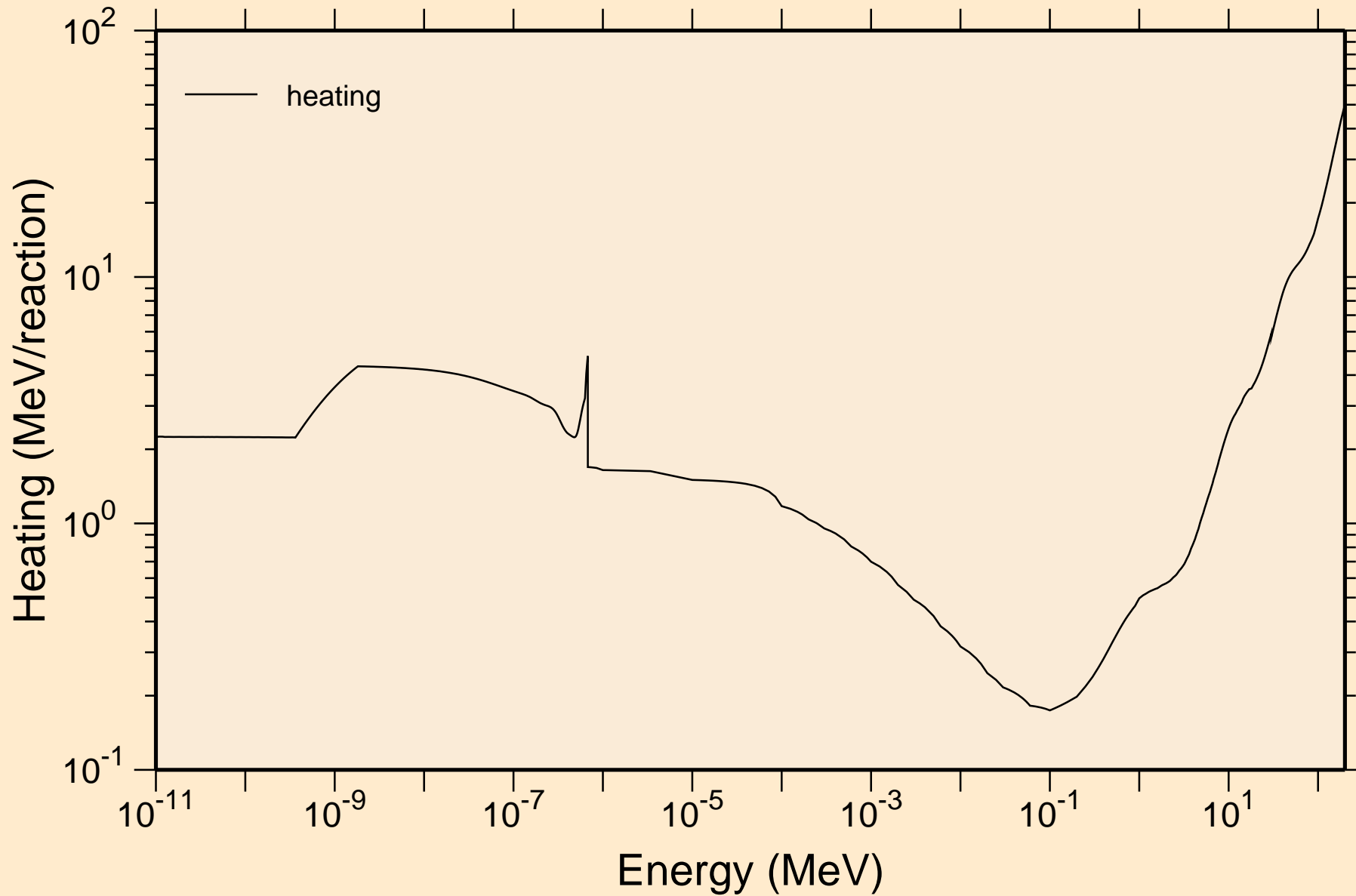
# TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections

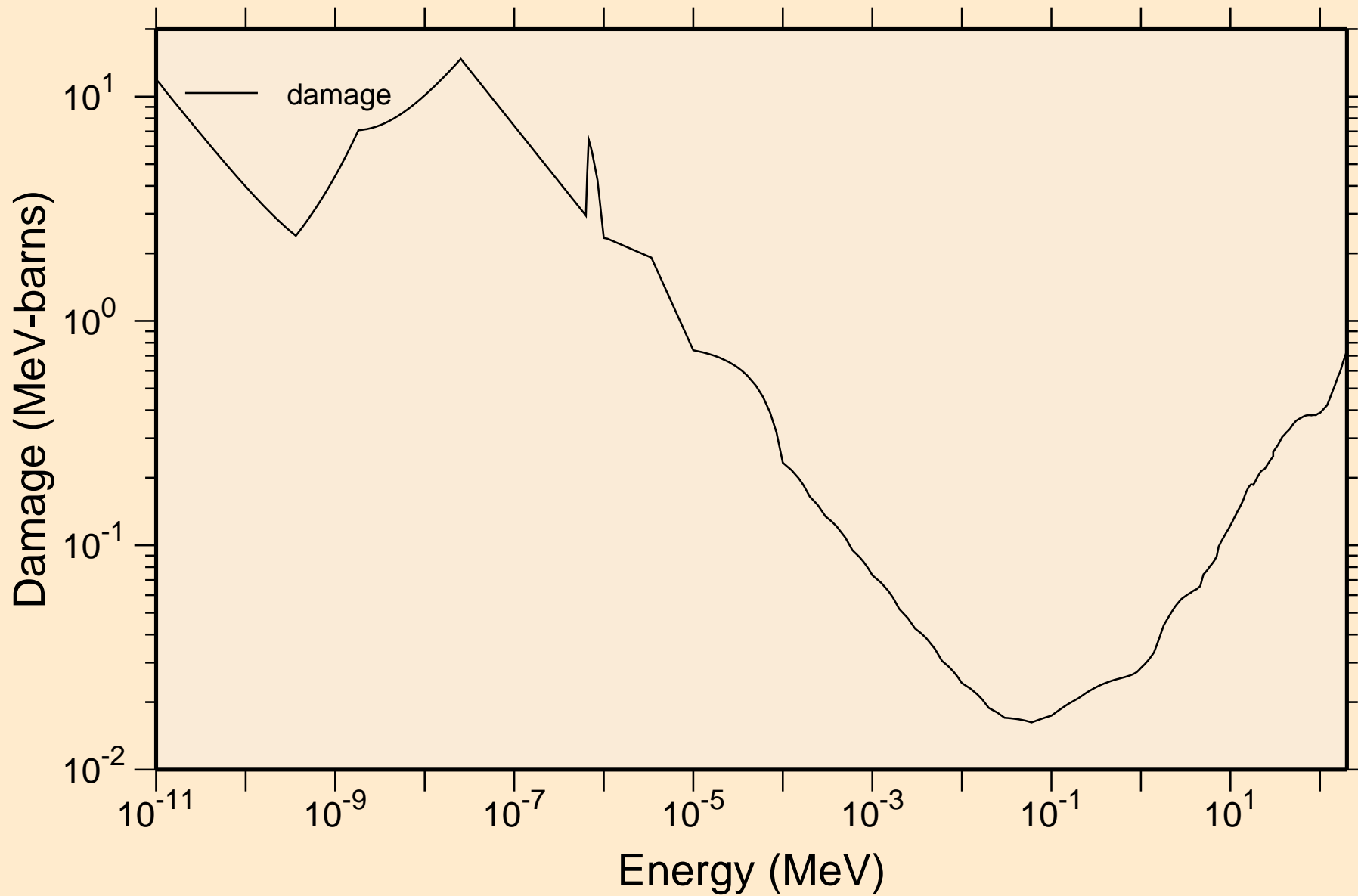


# TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

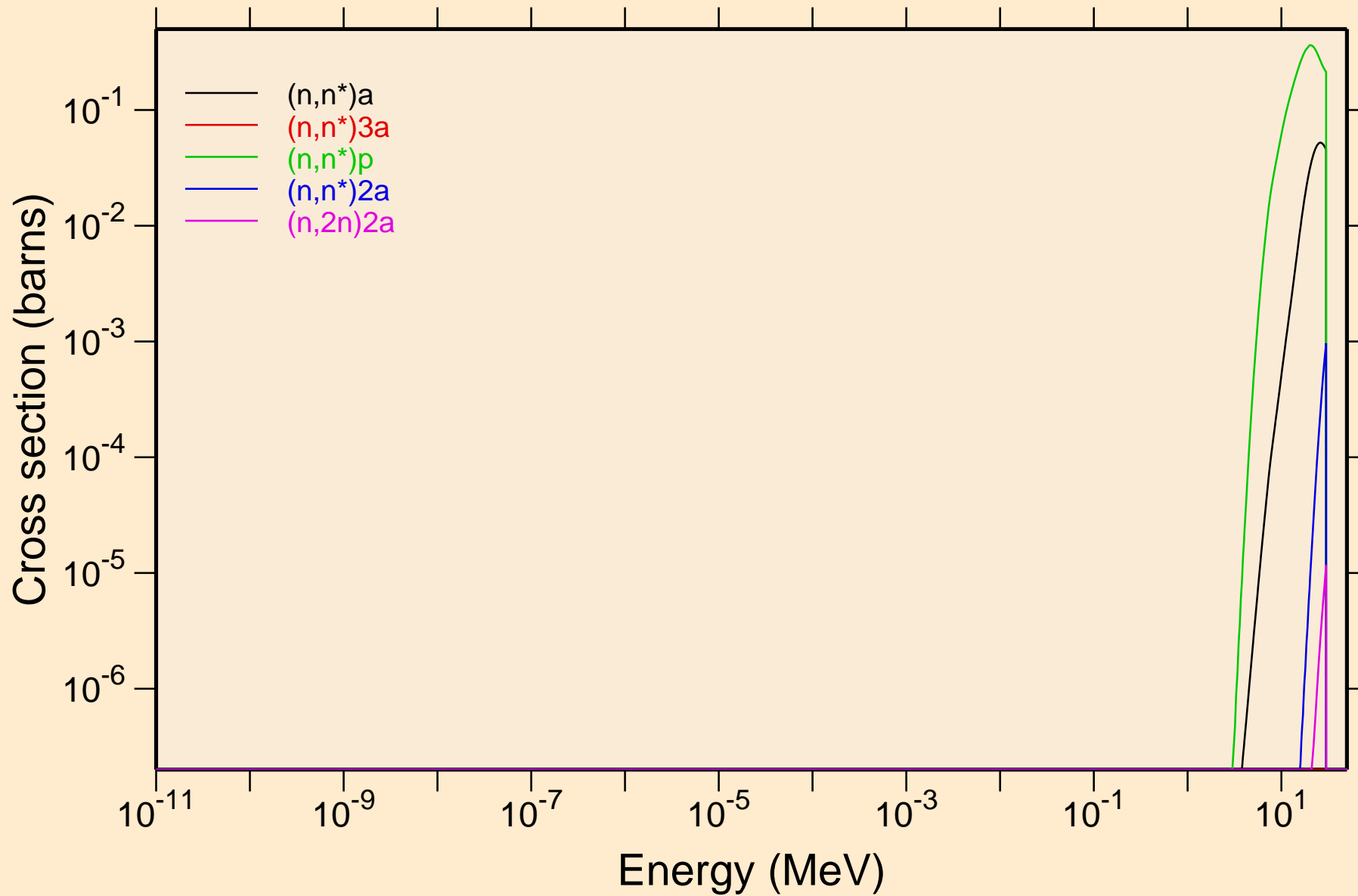
## Heating



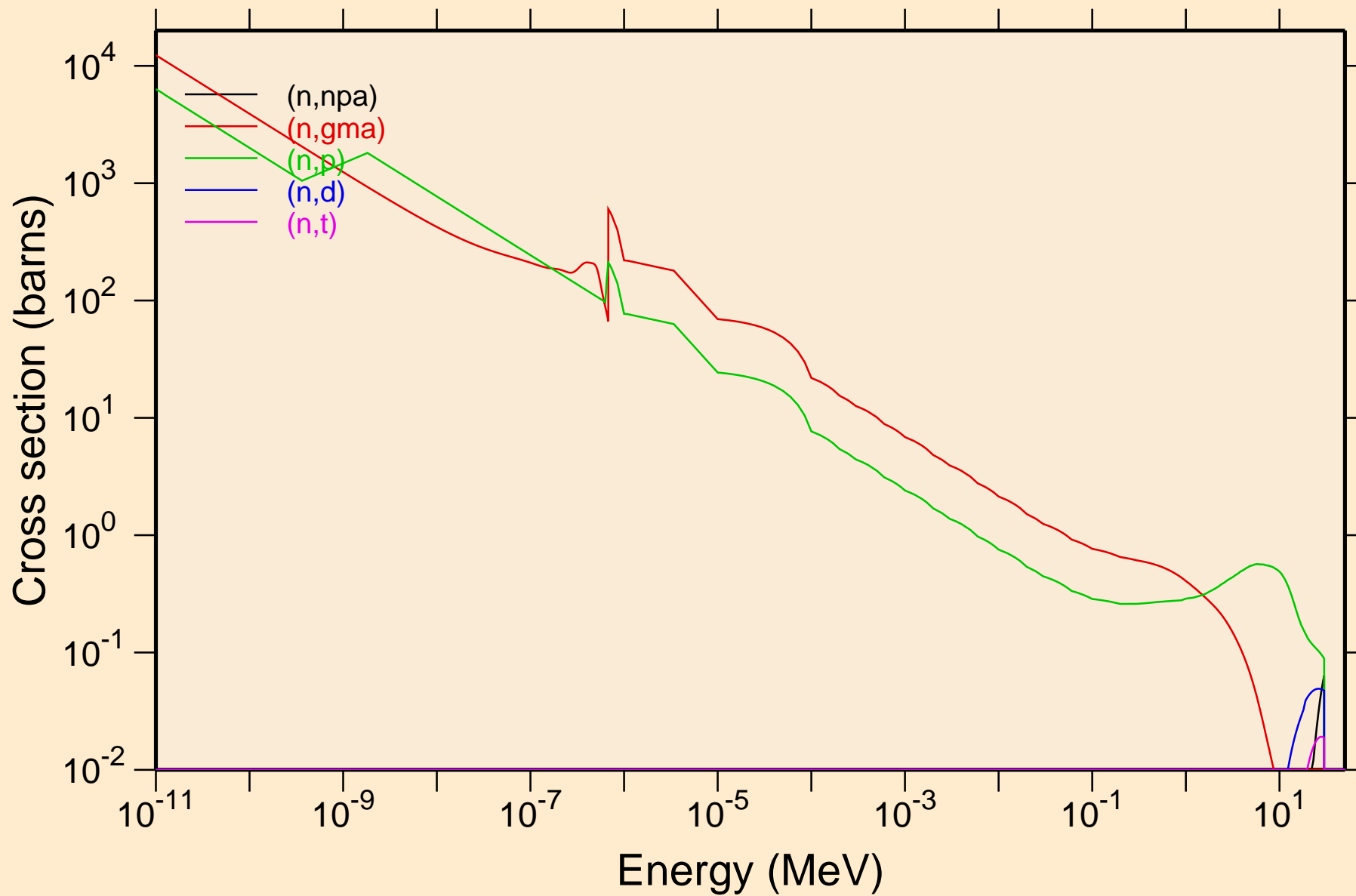
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage



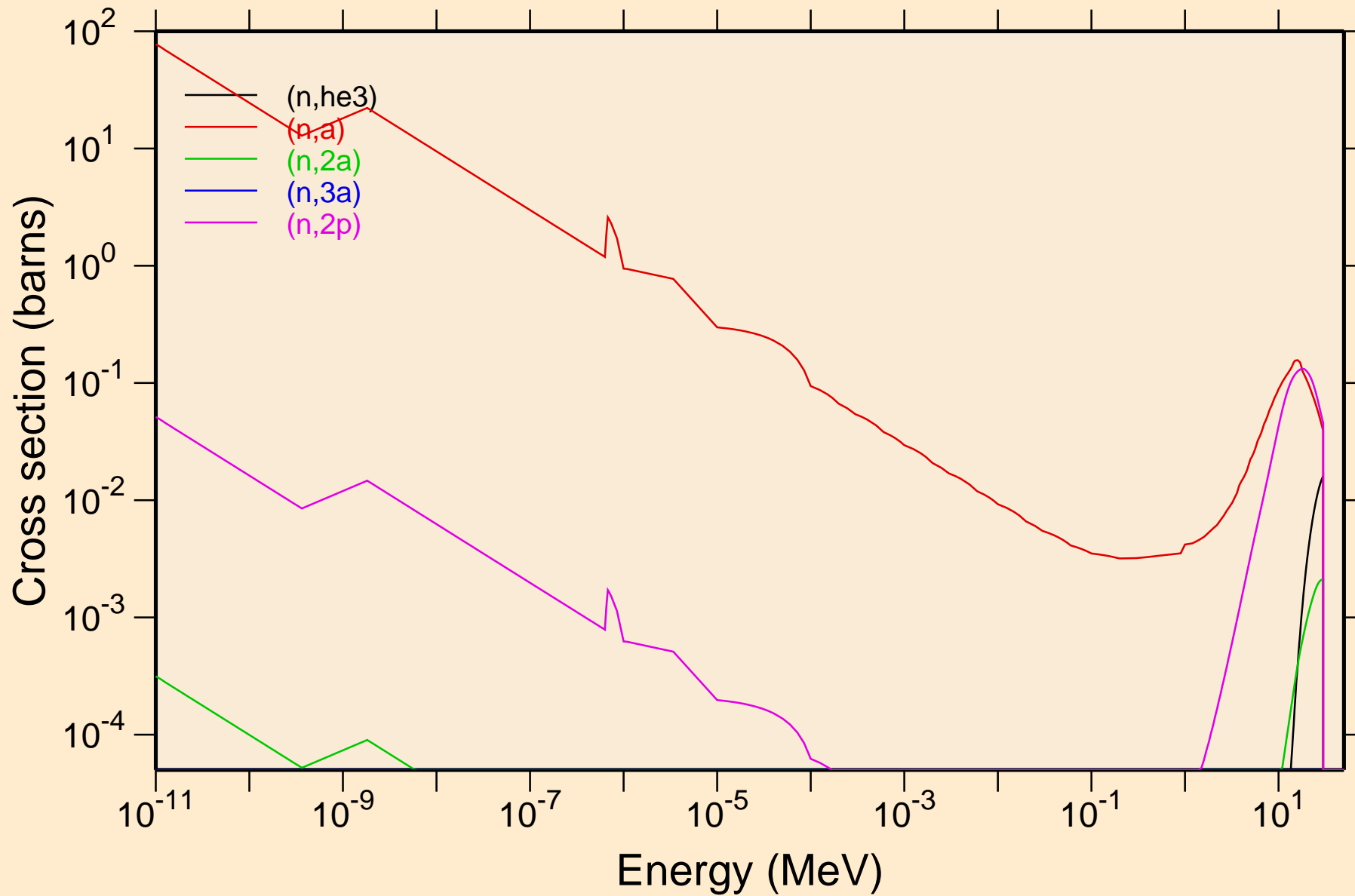
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



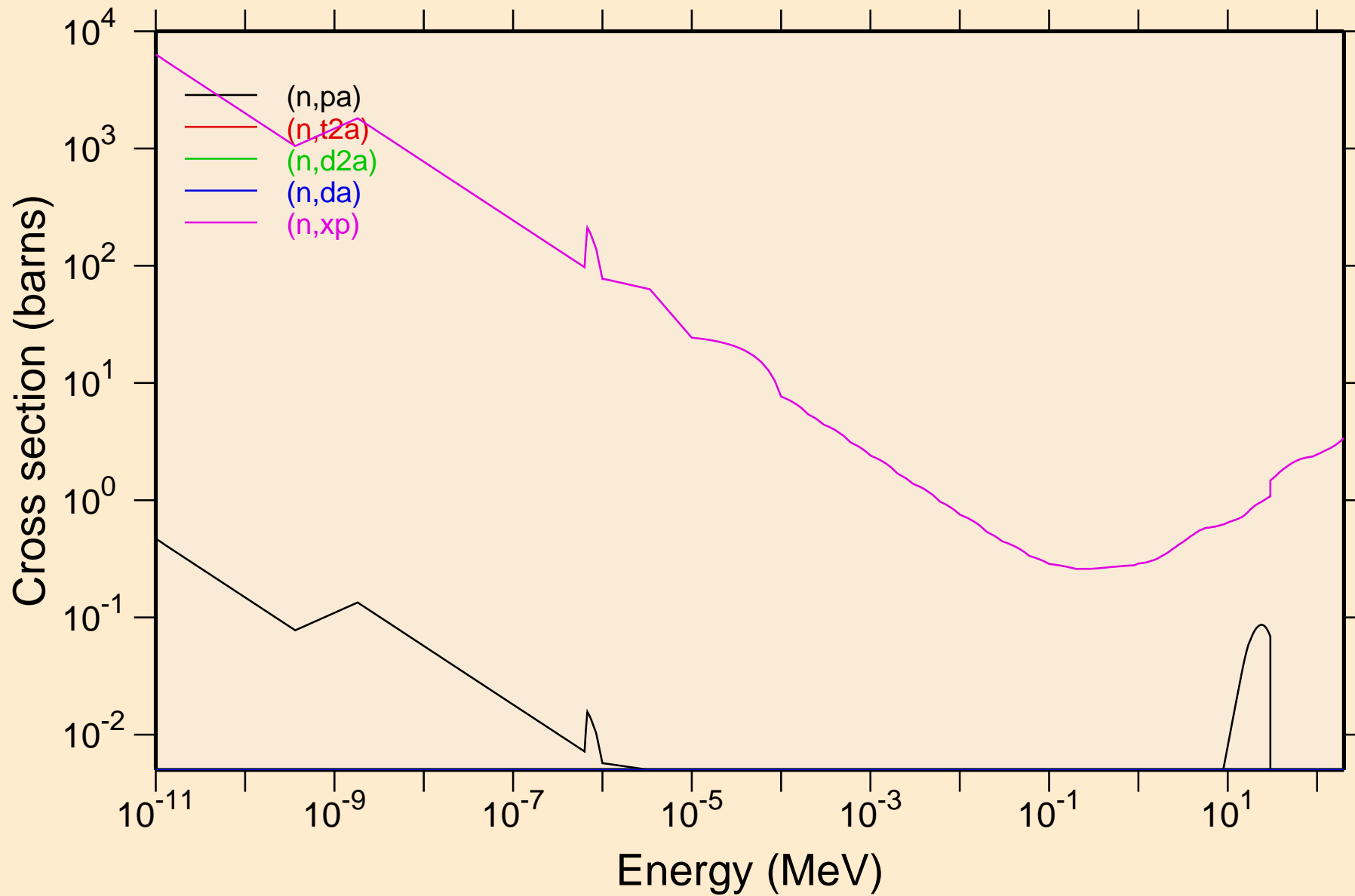
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



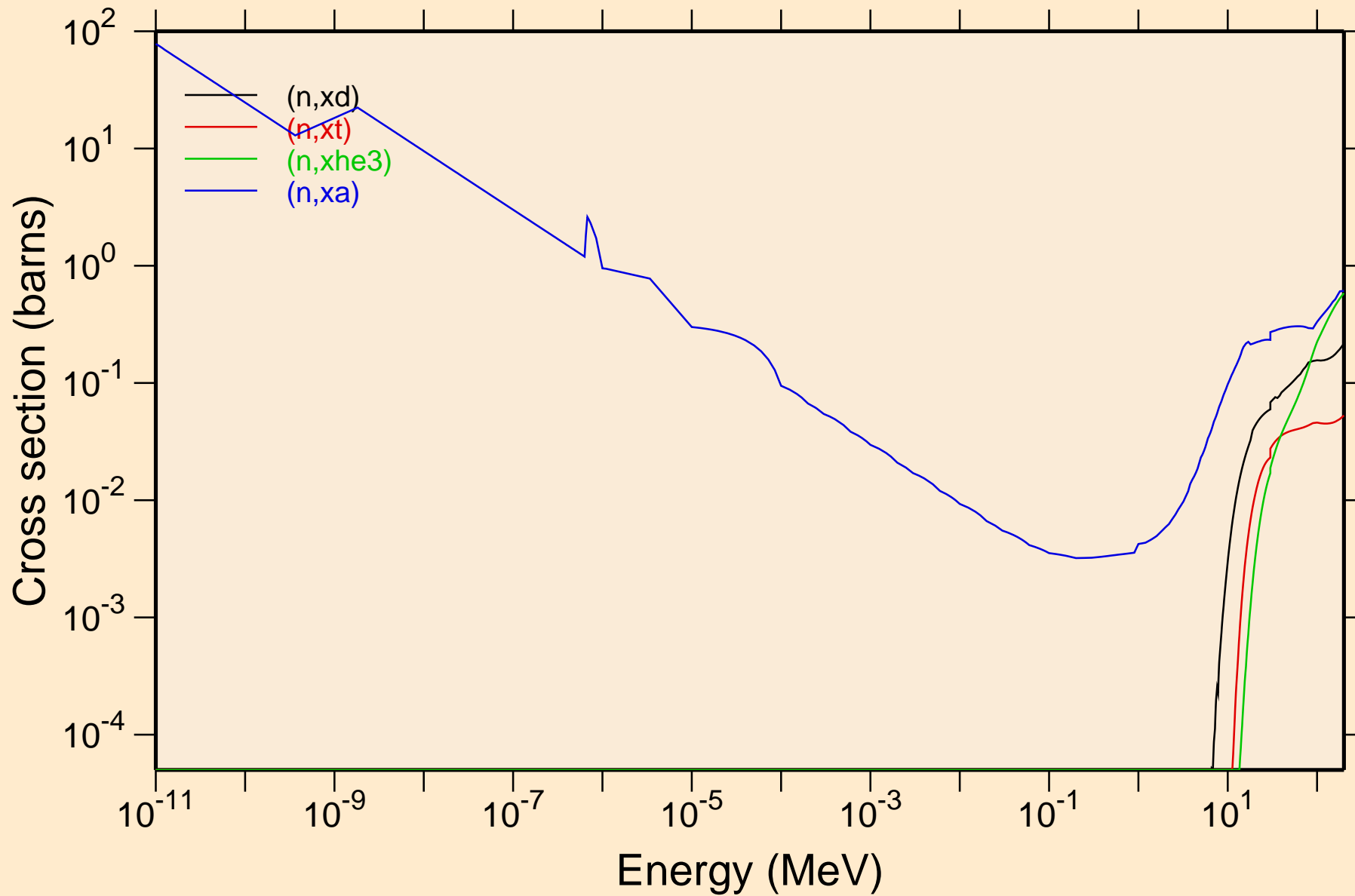
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

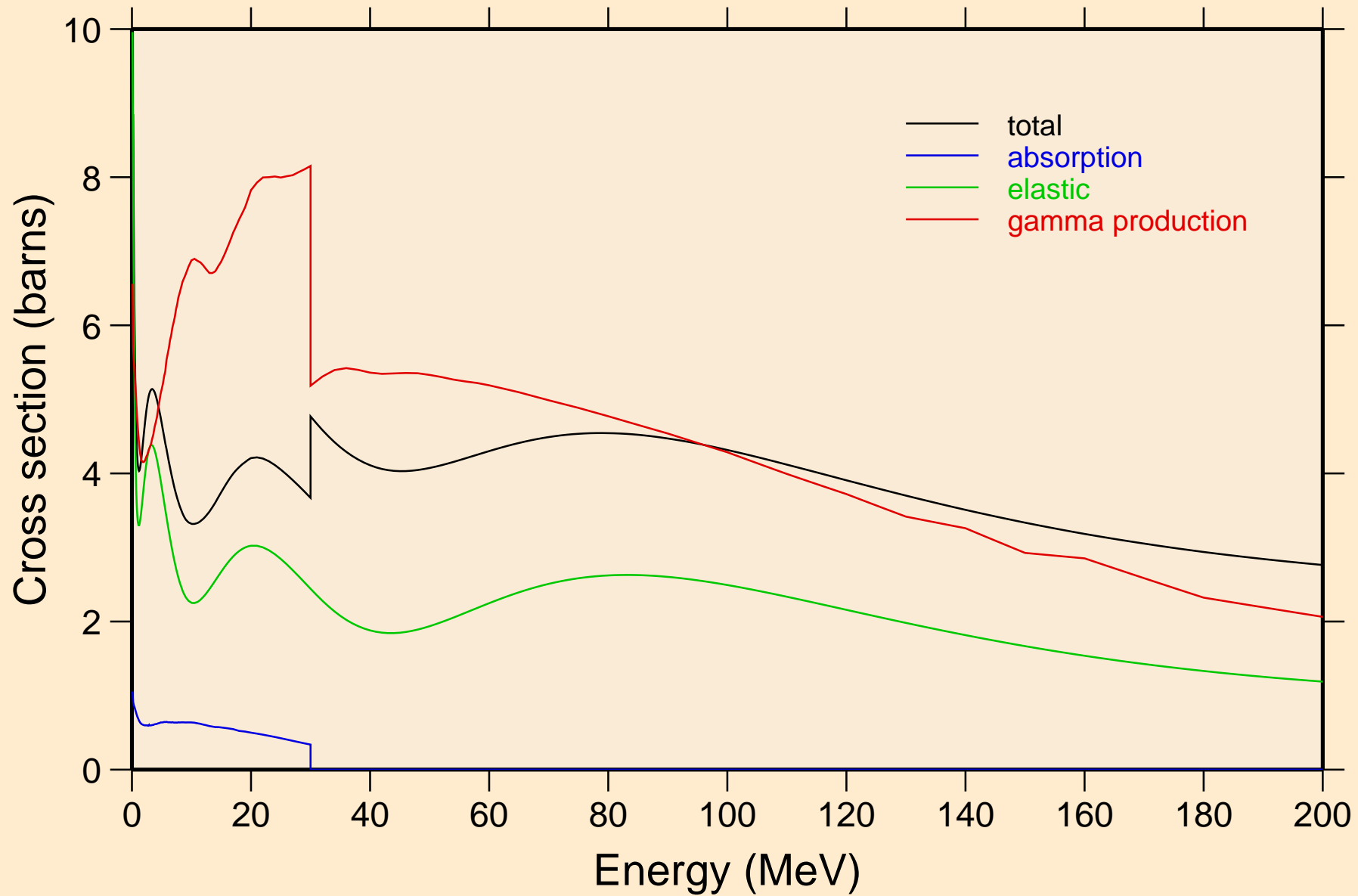


TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



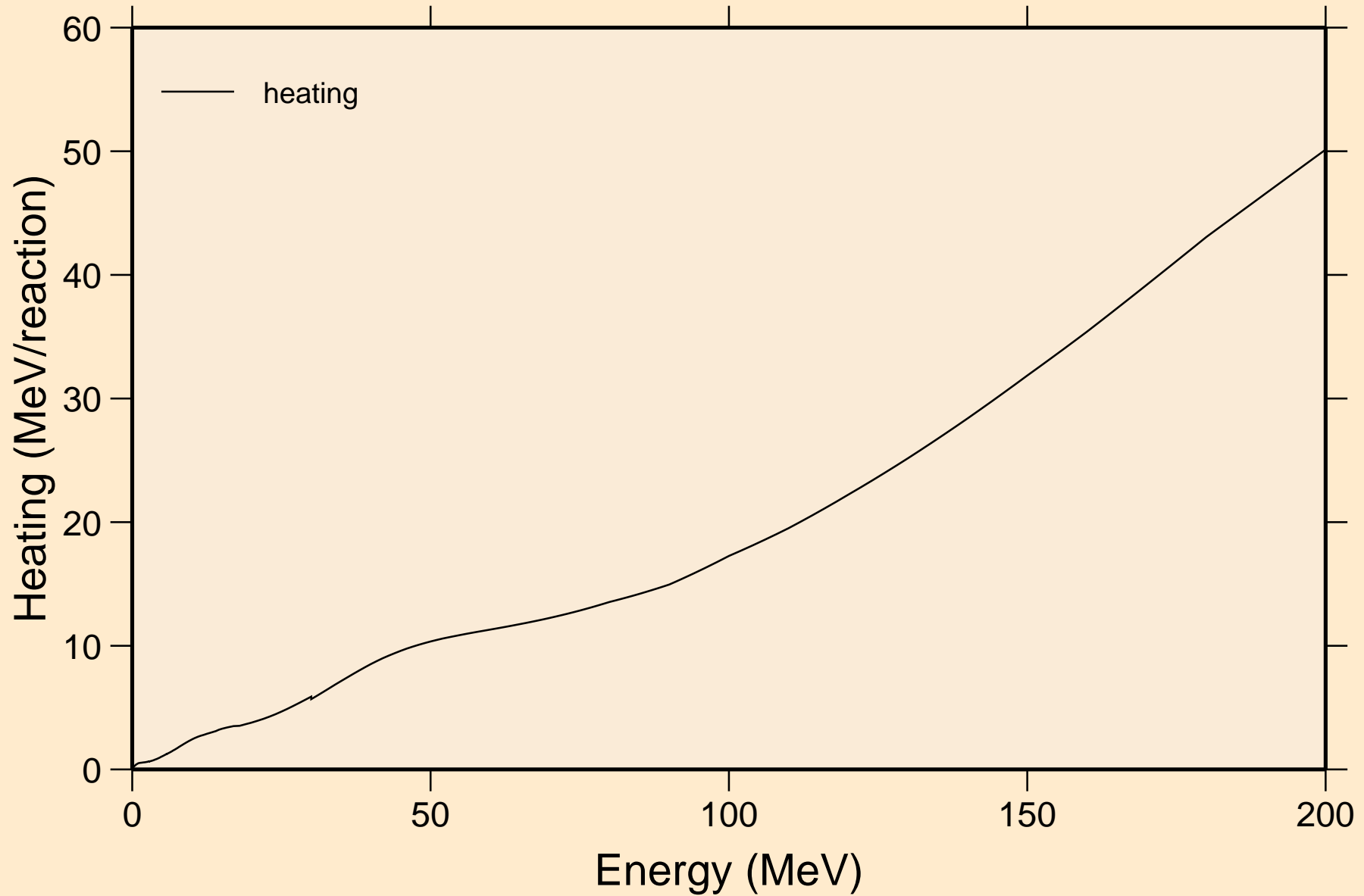


TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Principal cross sections

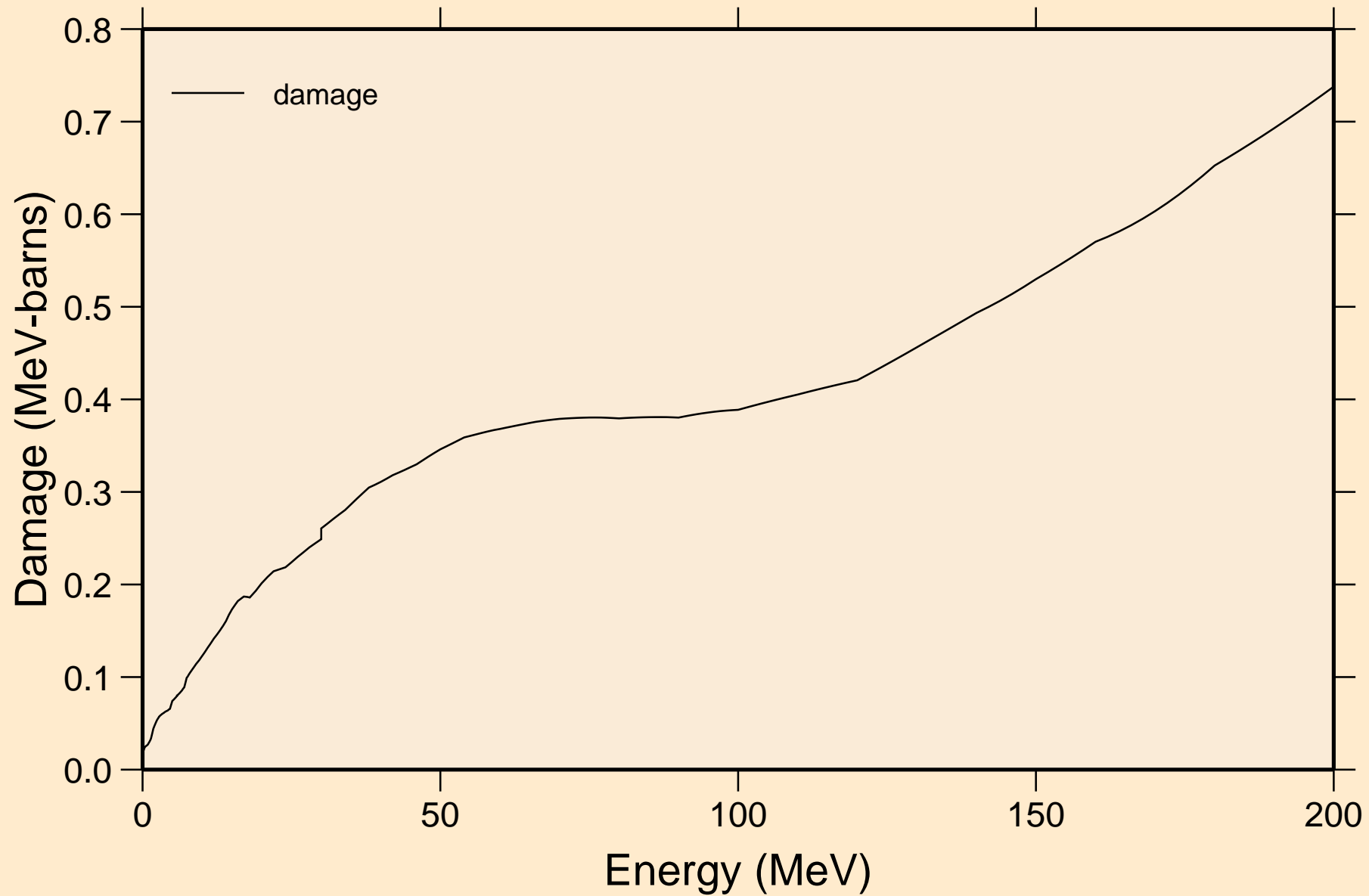


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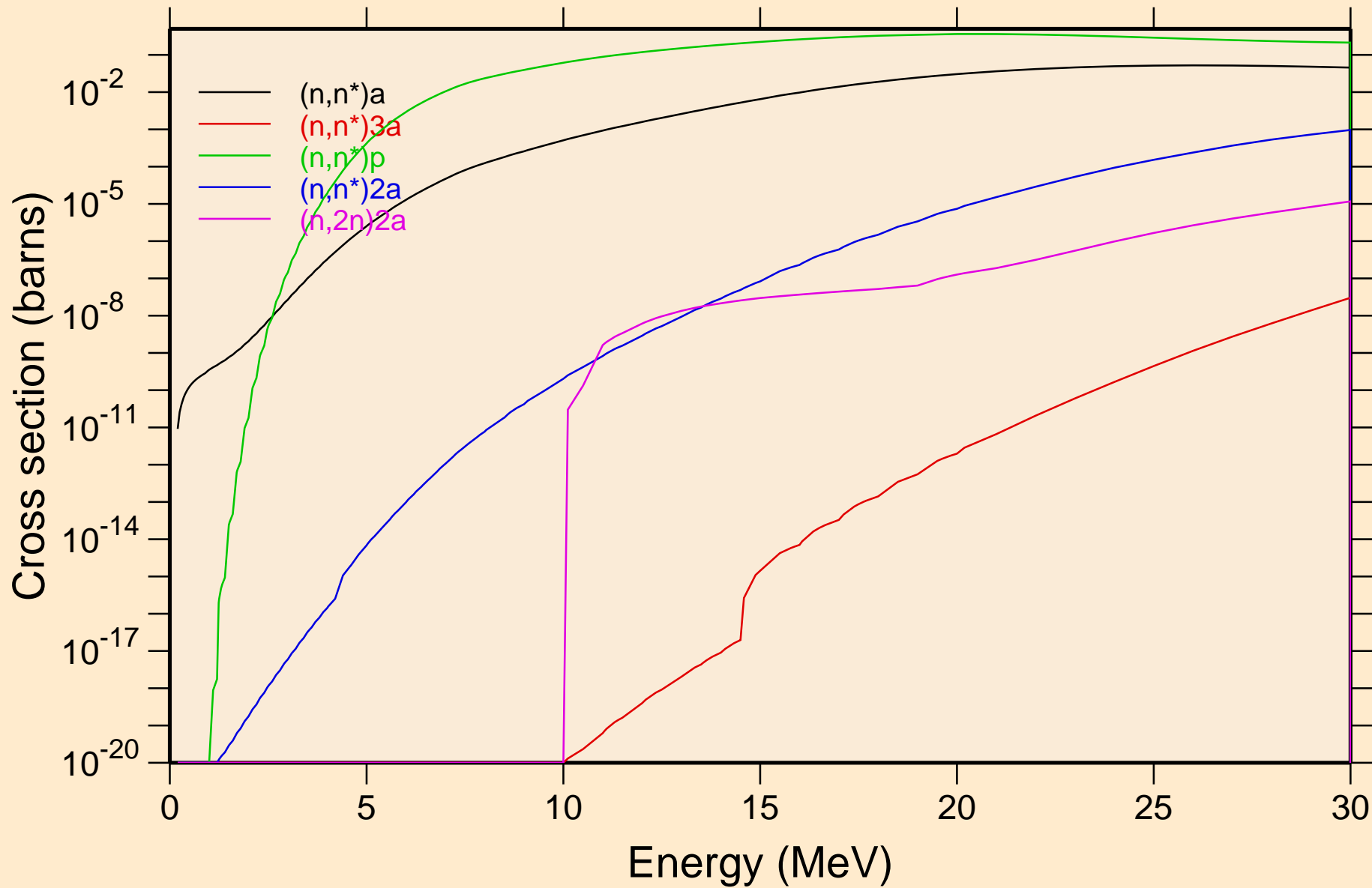
Heating



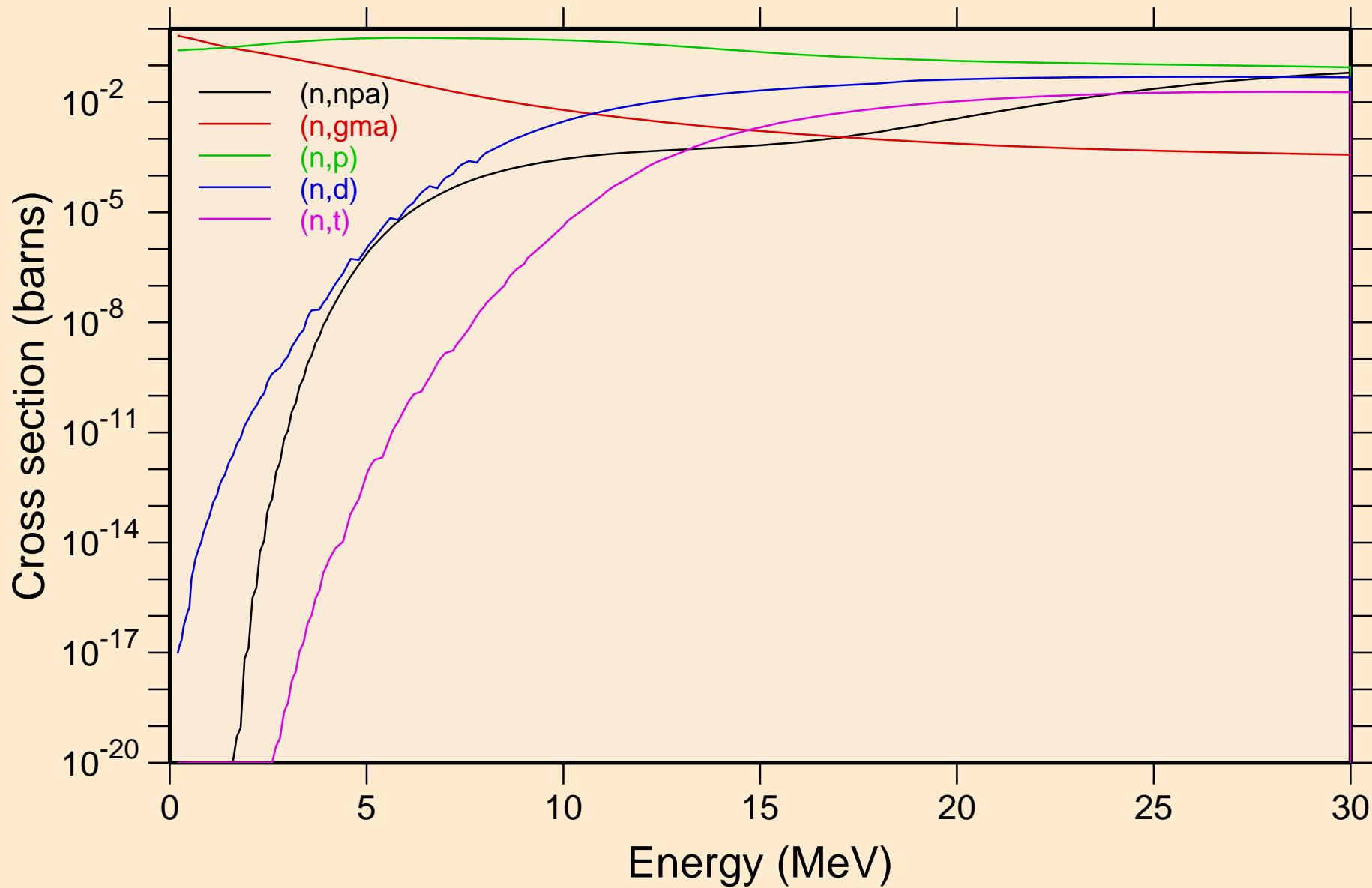
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Damage



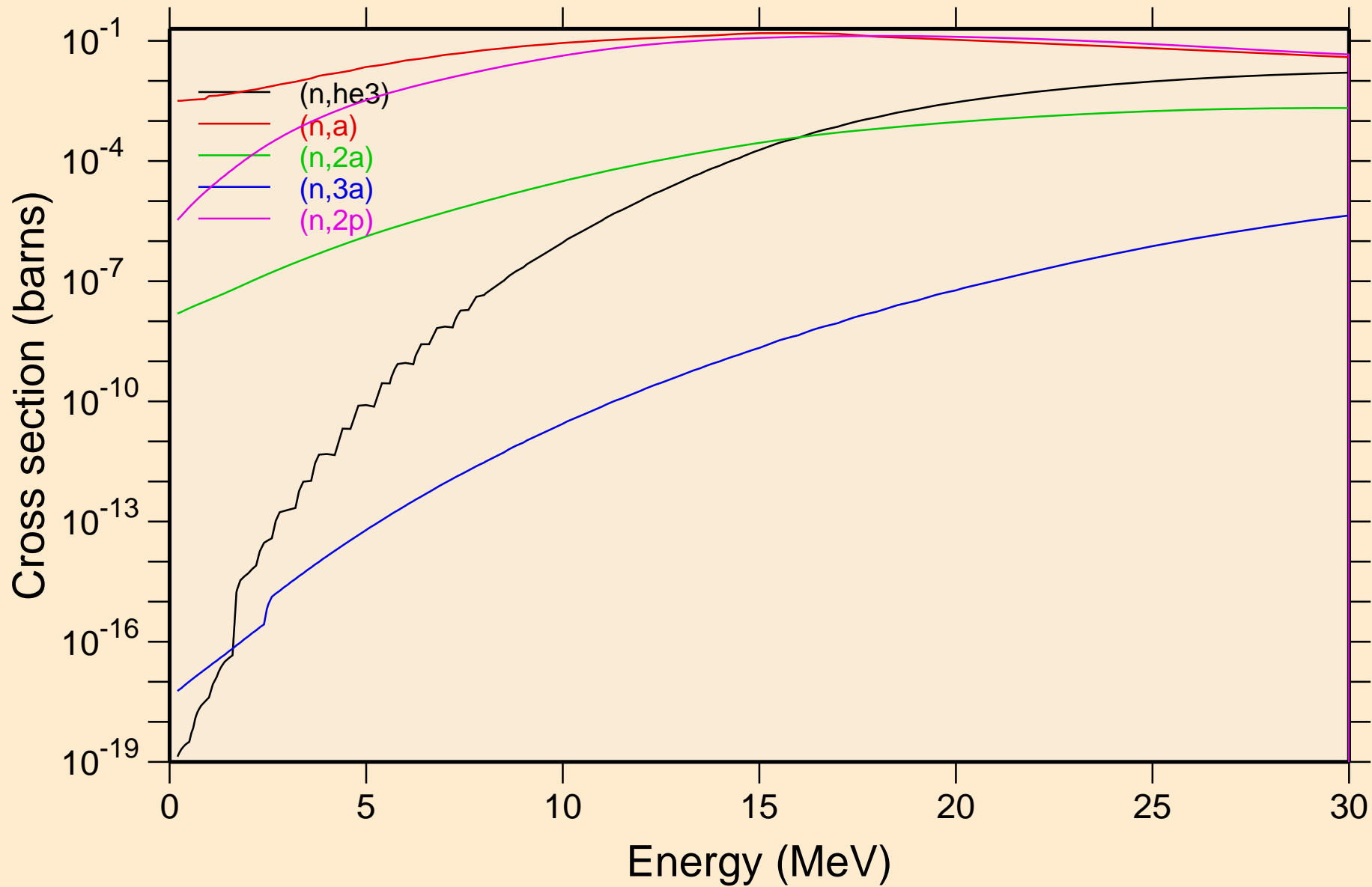
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Non-threshold reactions



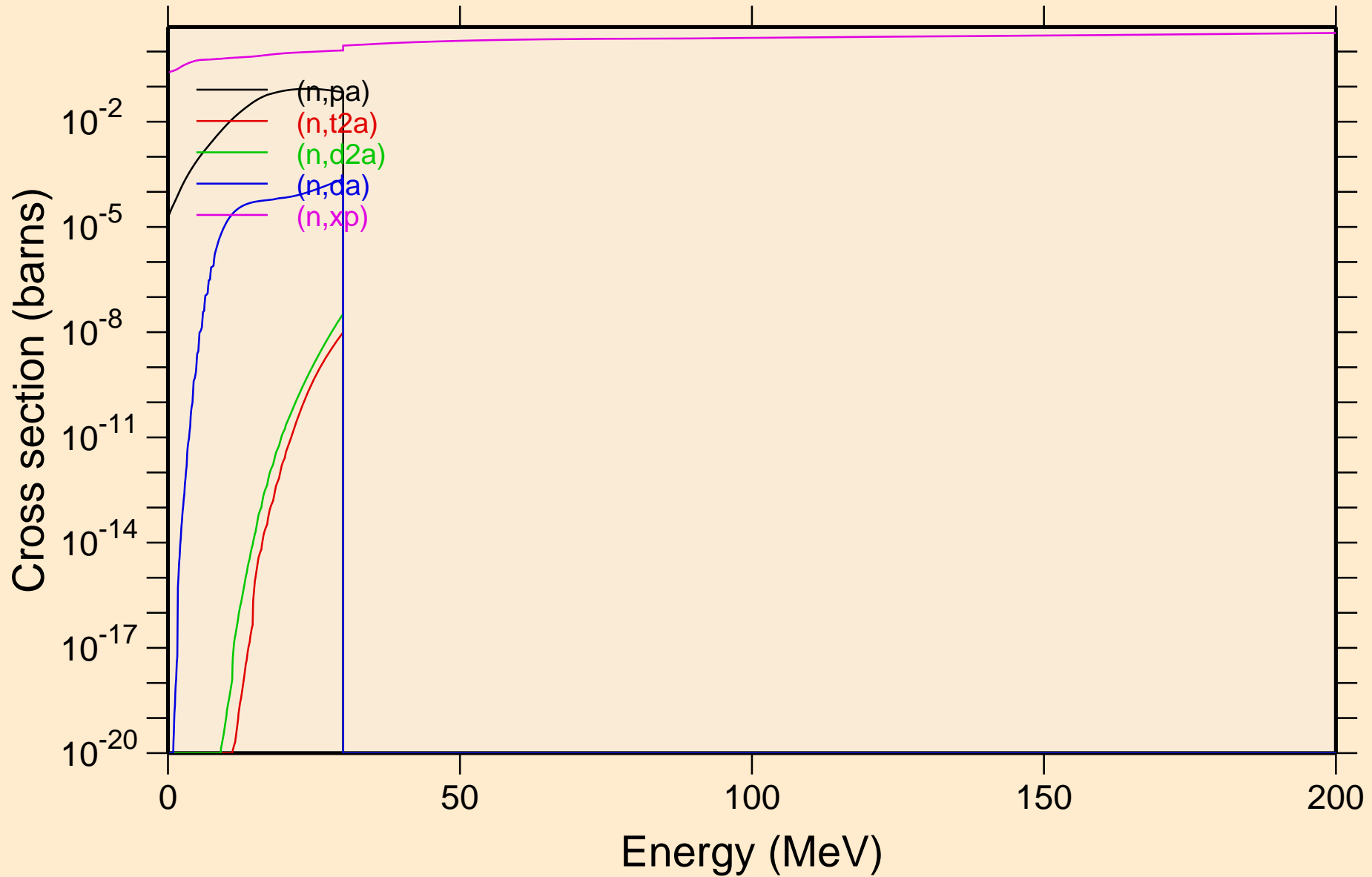
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Non-threshold reactions



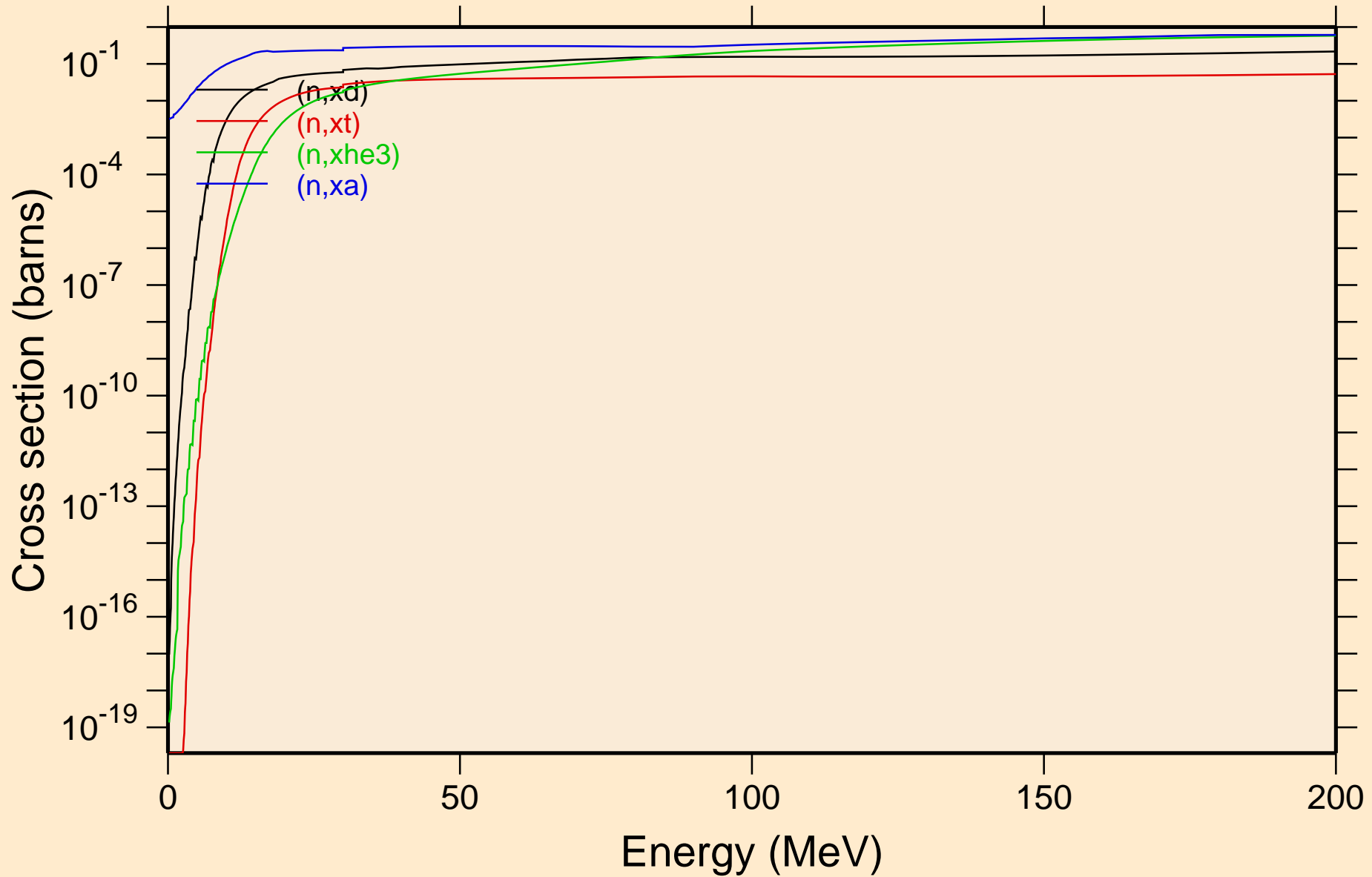
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Non-threshold reactions



TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

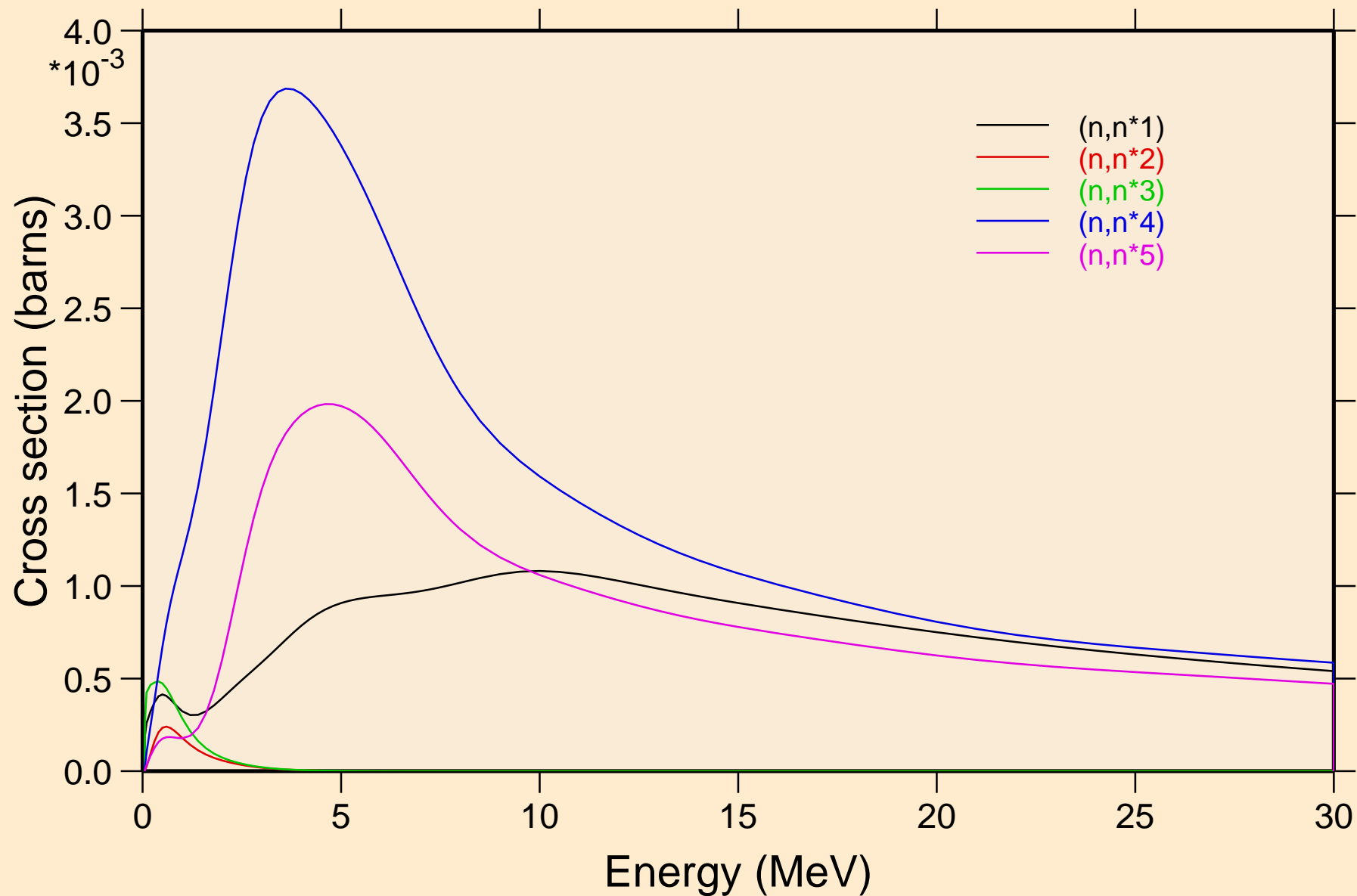


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Non-threshold reactions

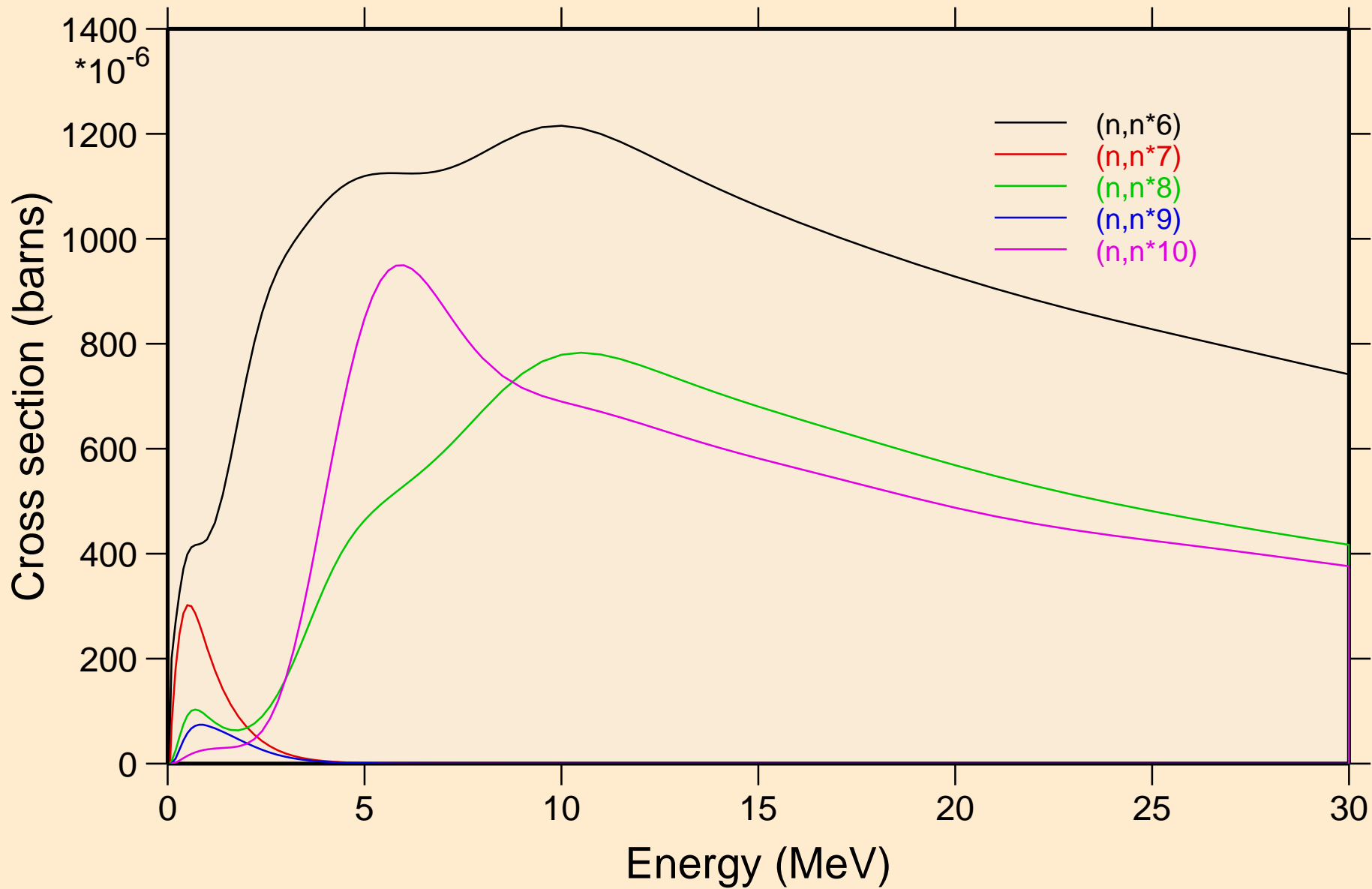




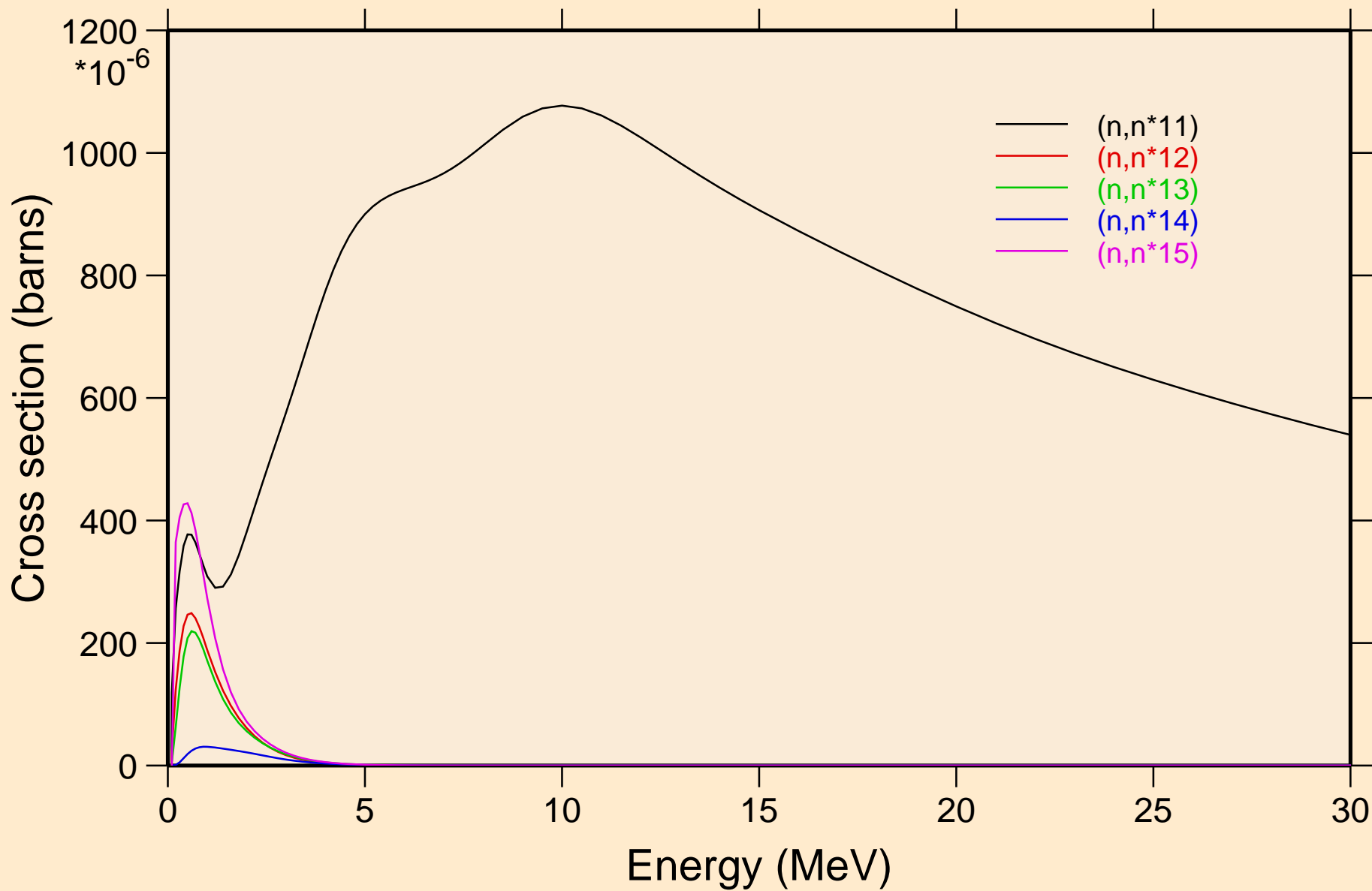
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Inelastic levels



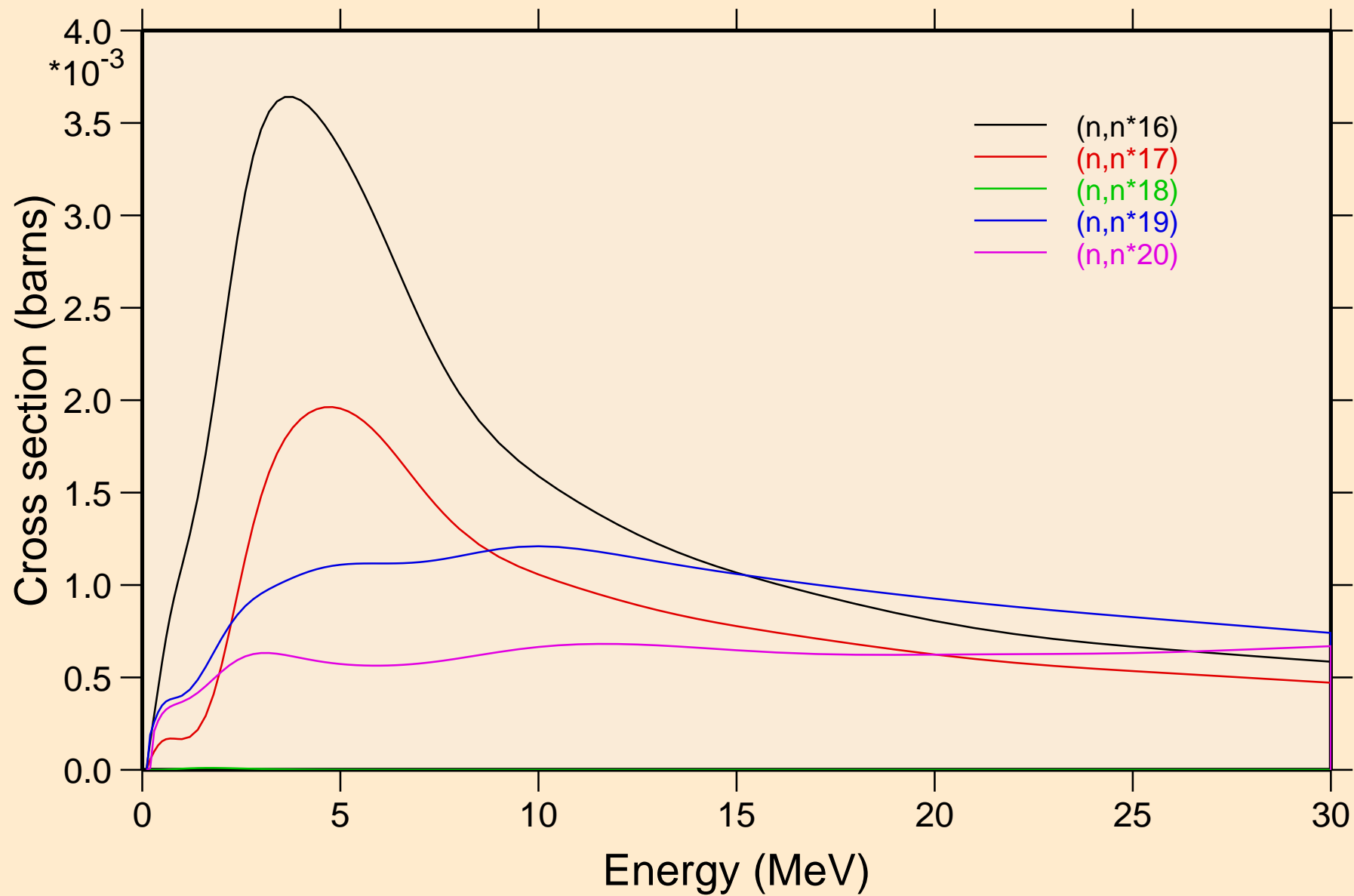
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Inelastic levels



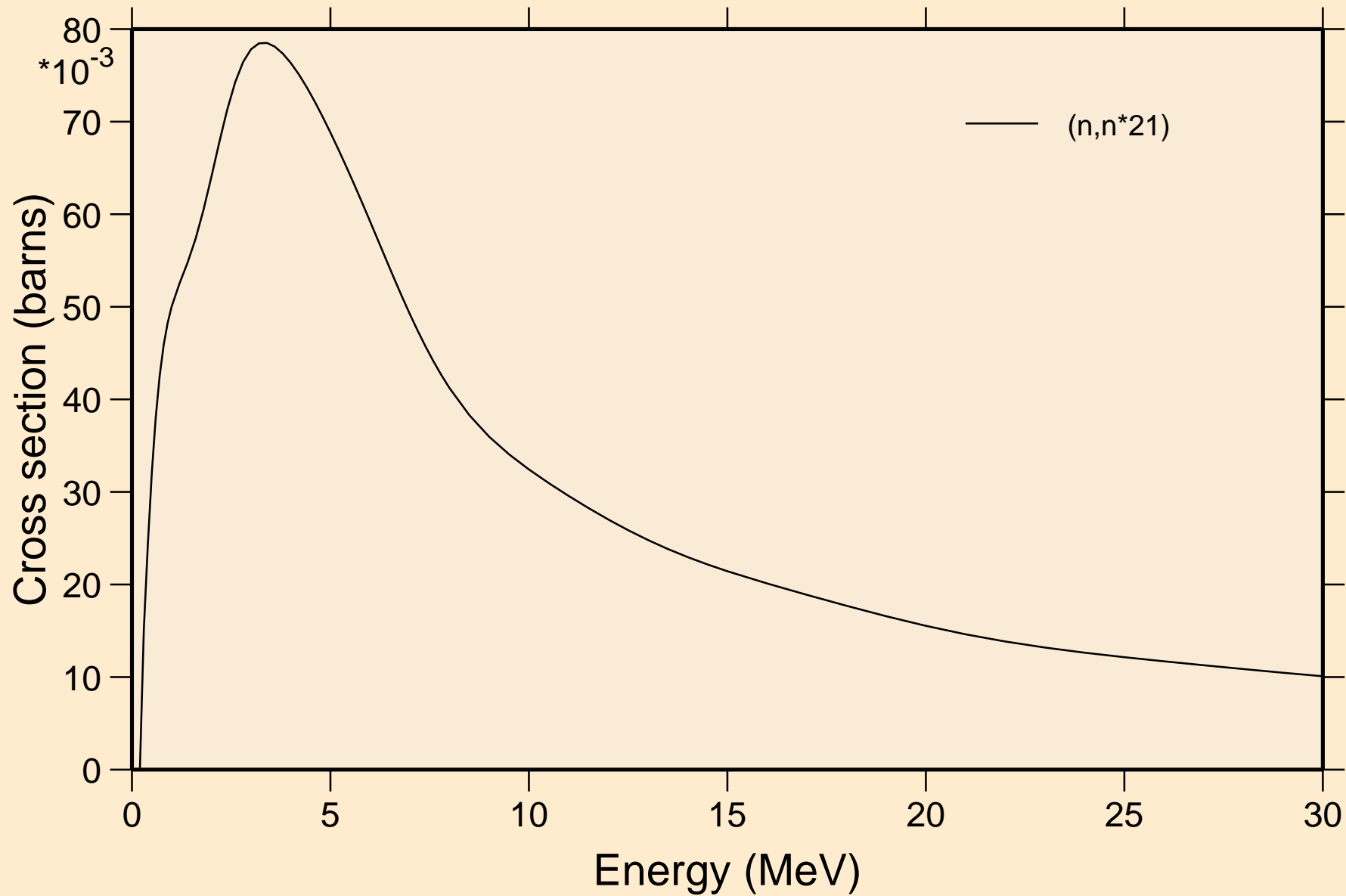
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



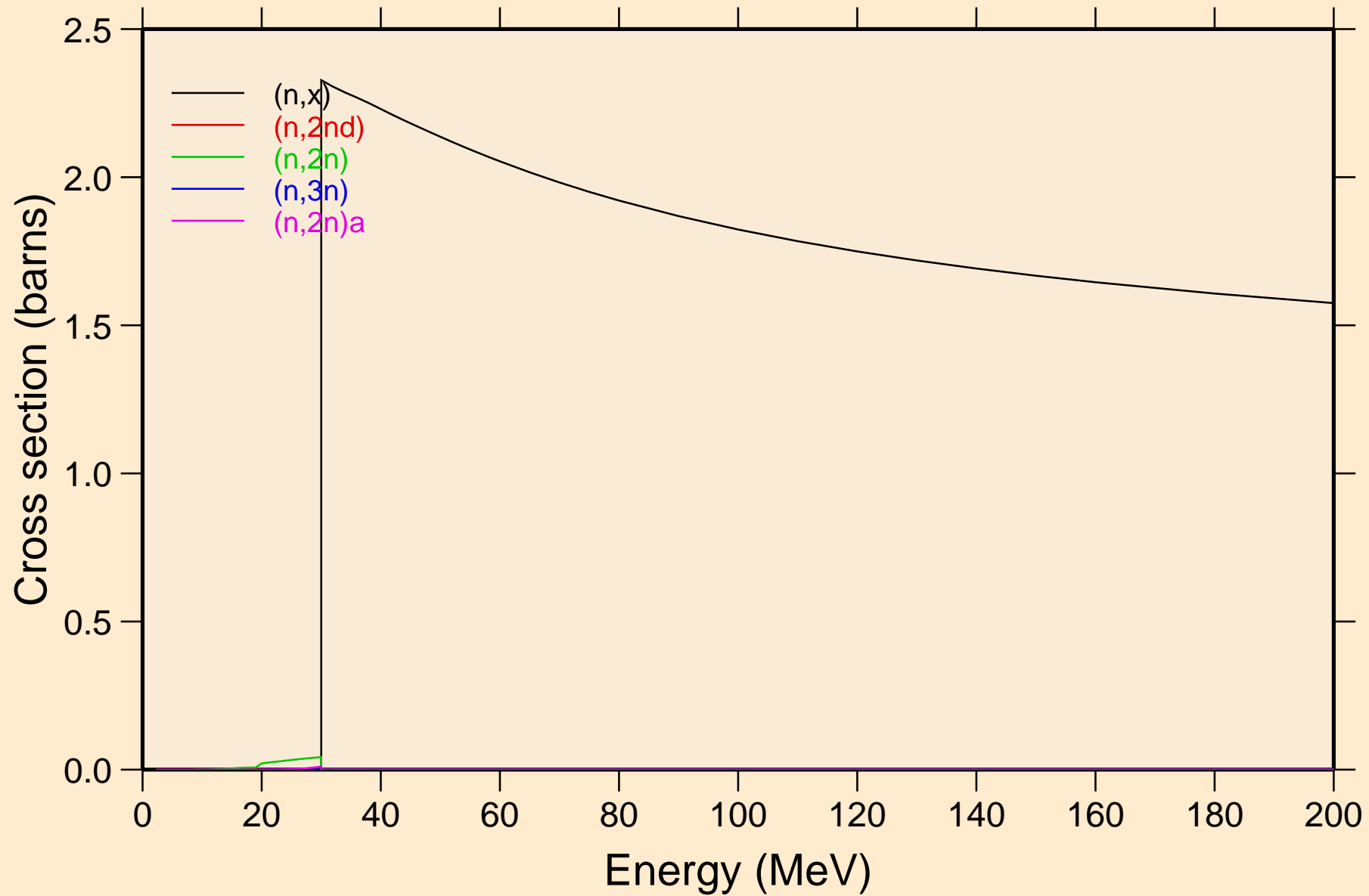
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Inelastic levels



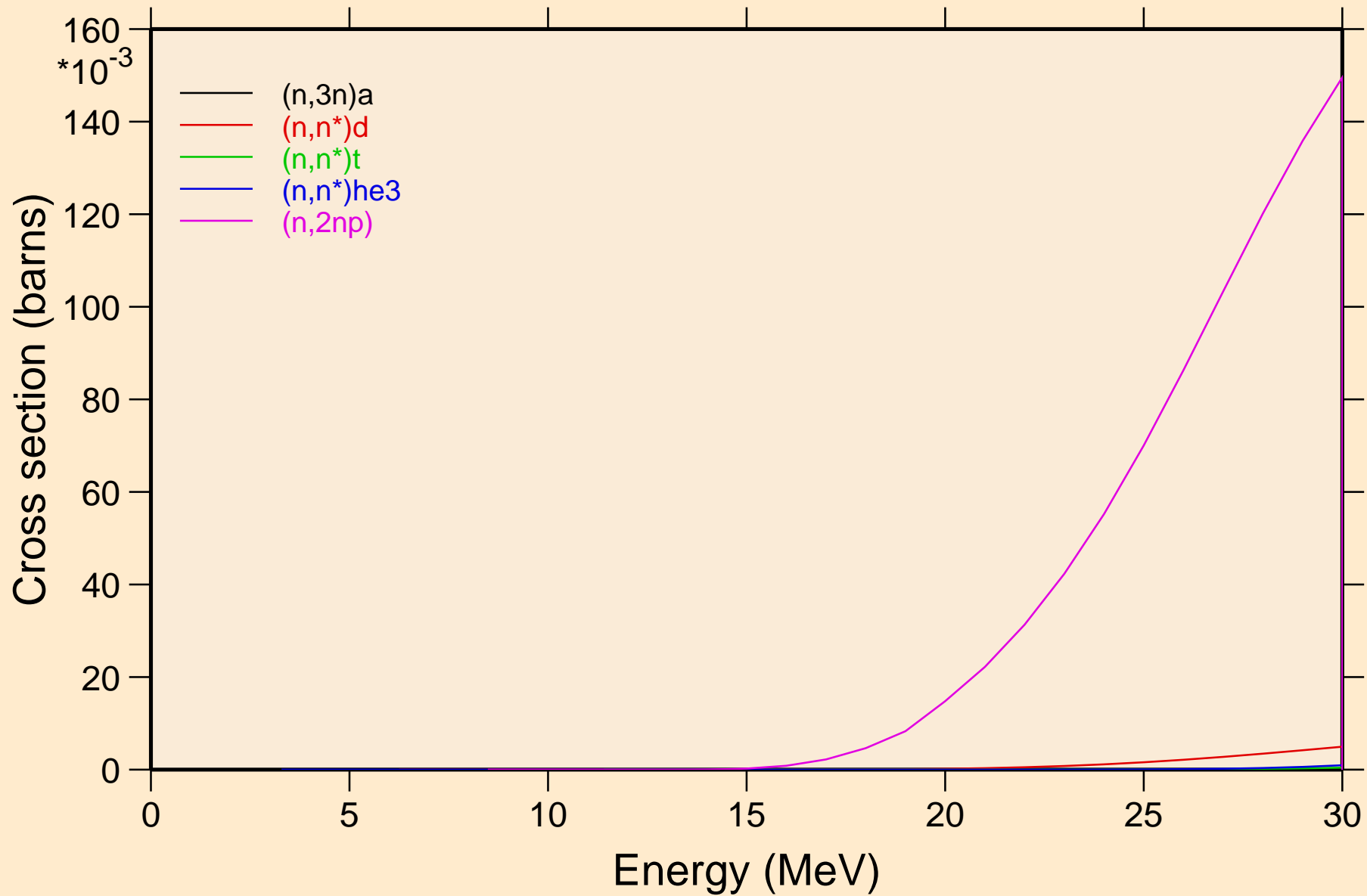
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Inelastic levels



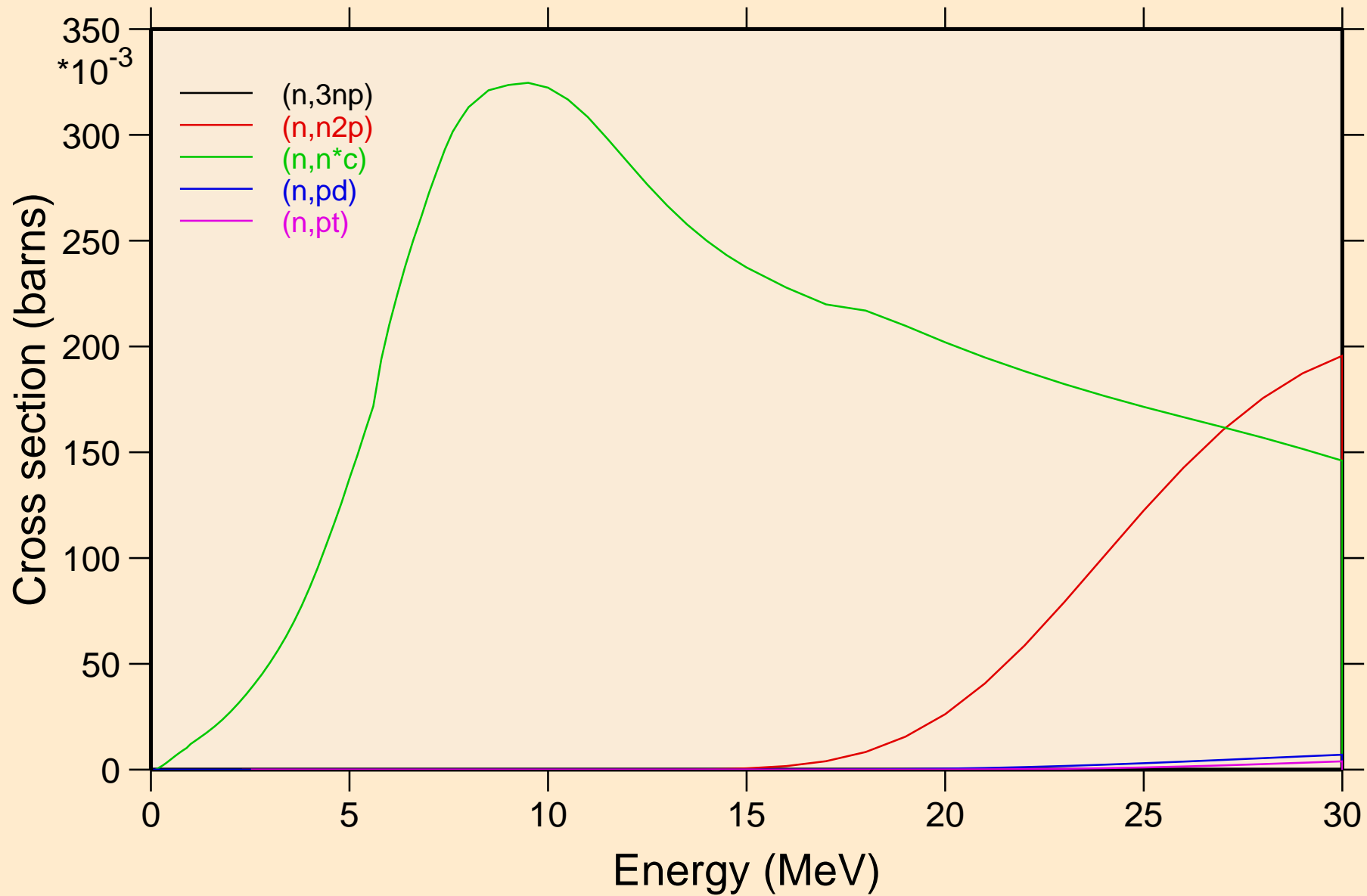
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

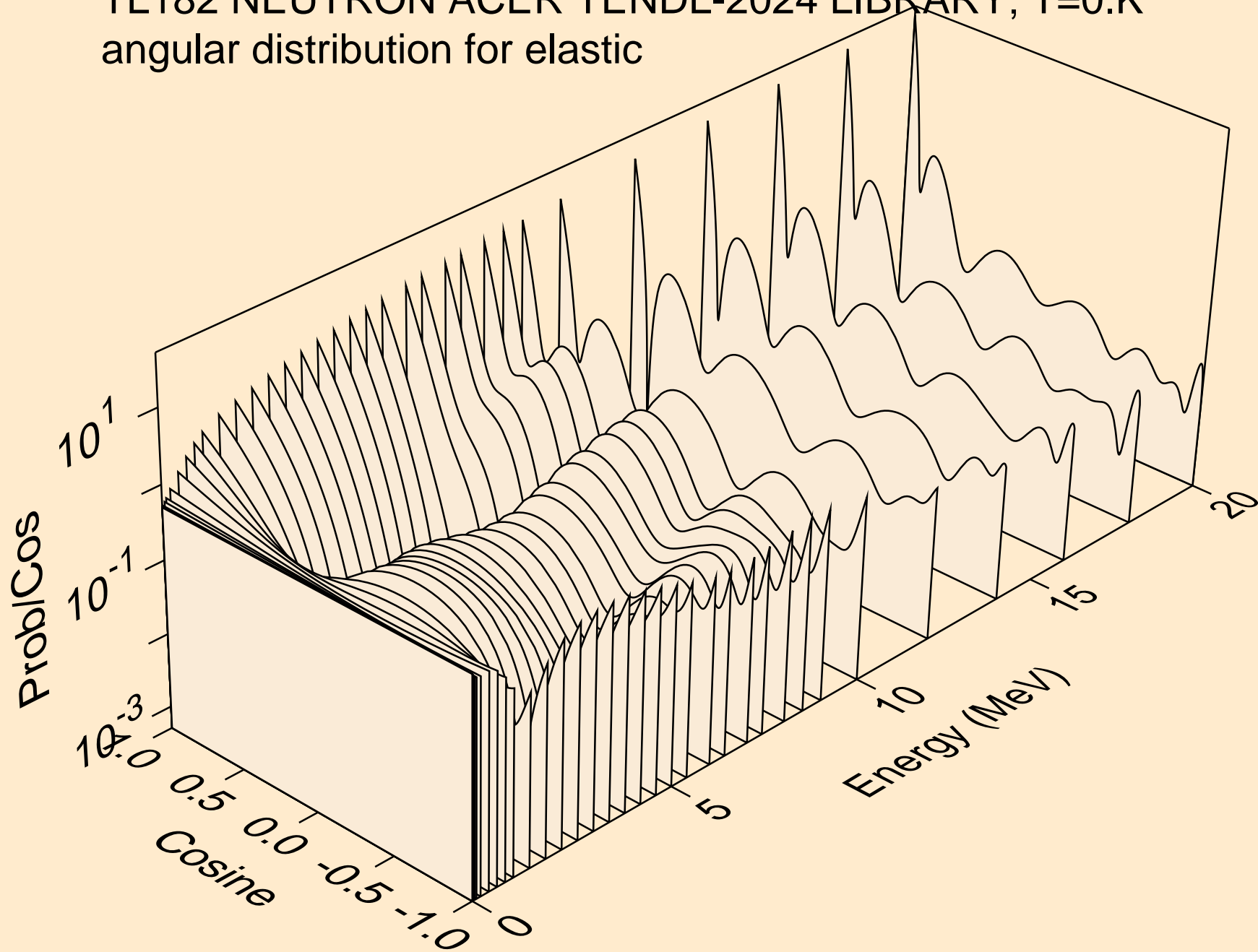


TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

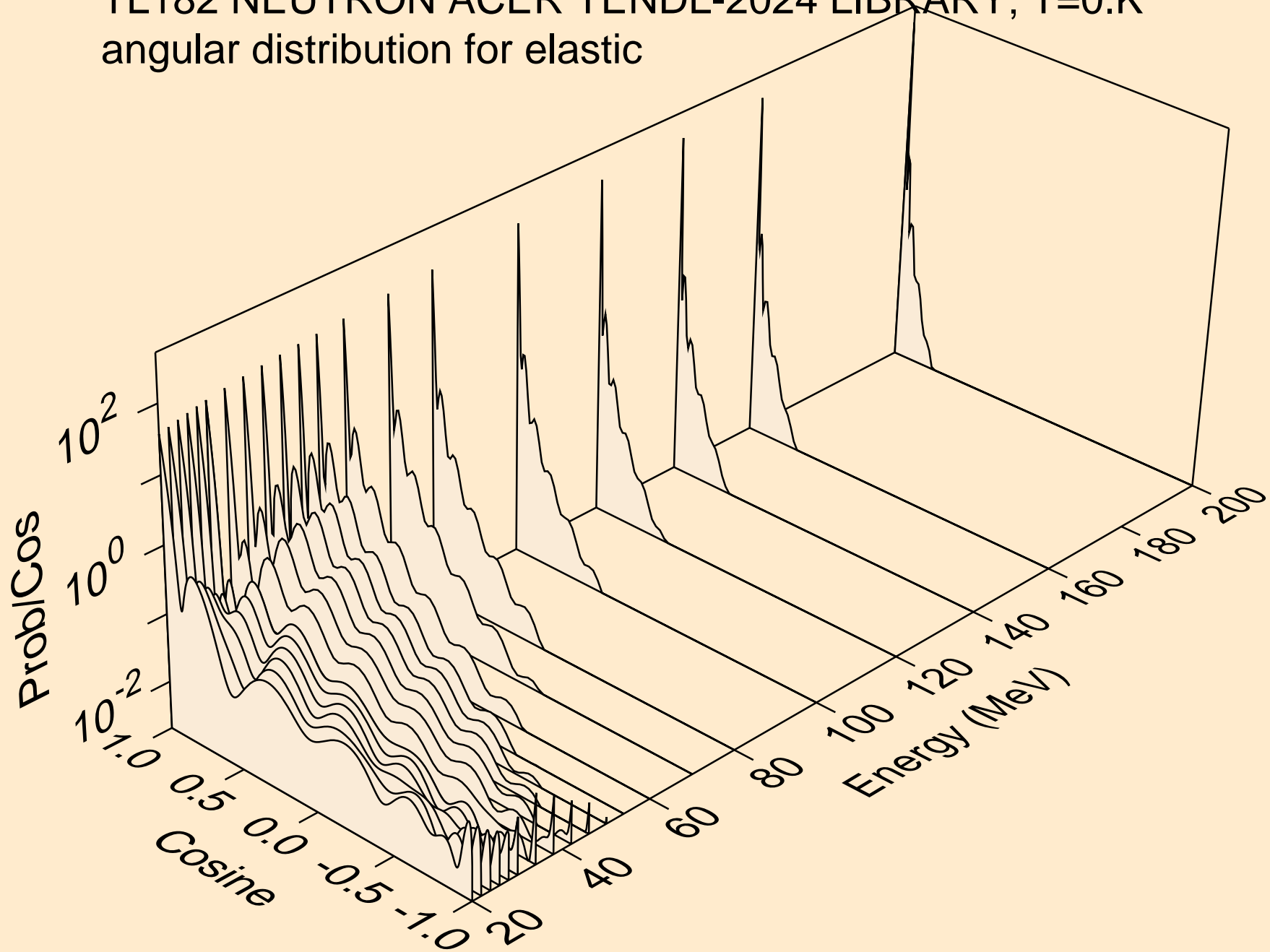




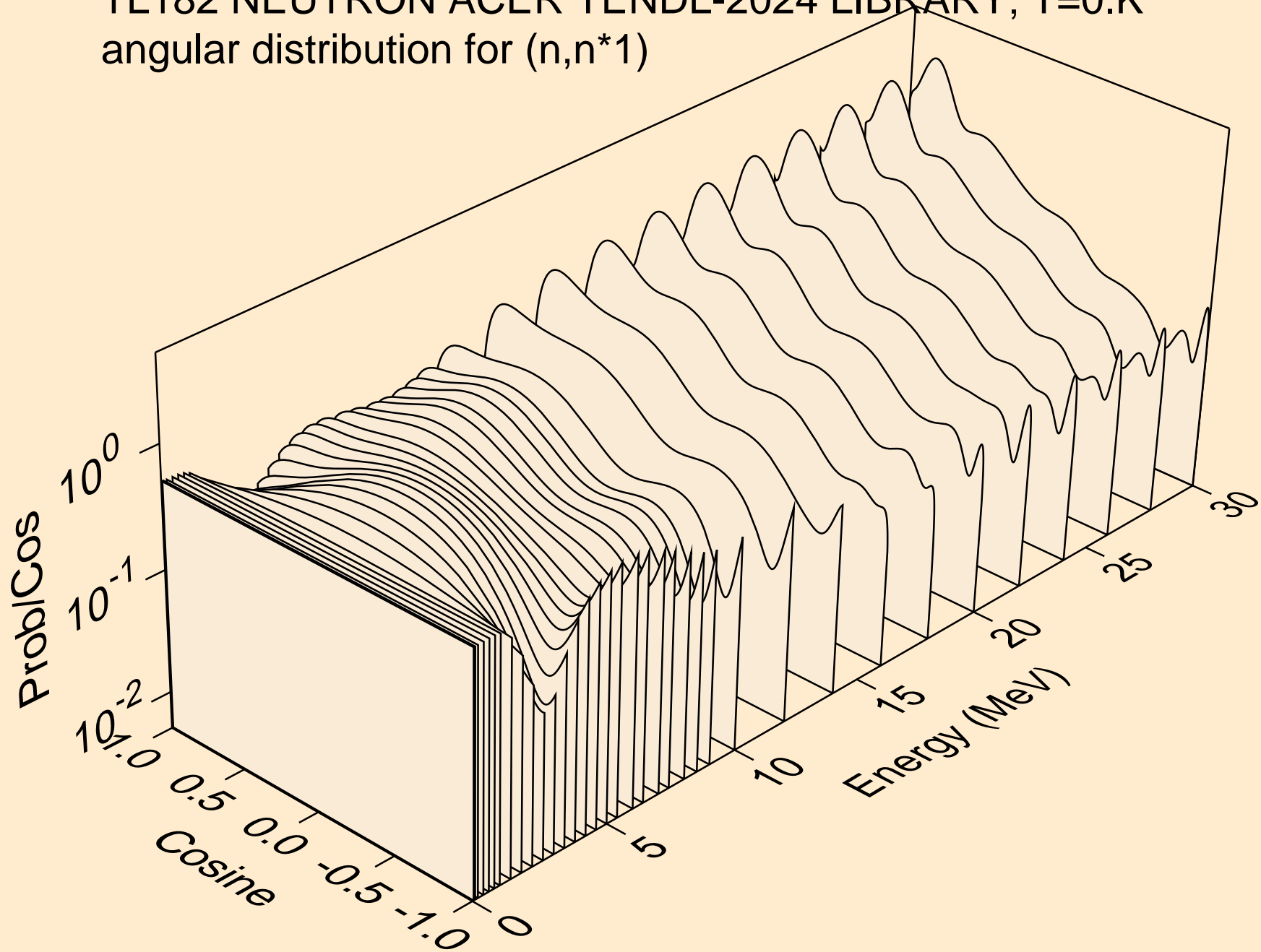
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angular distribution for elastic



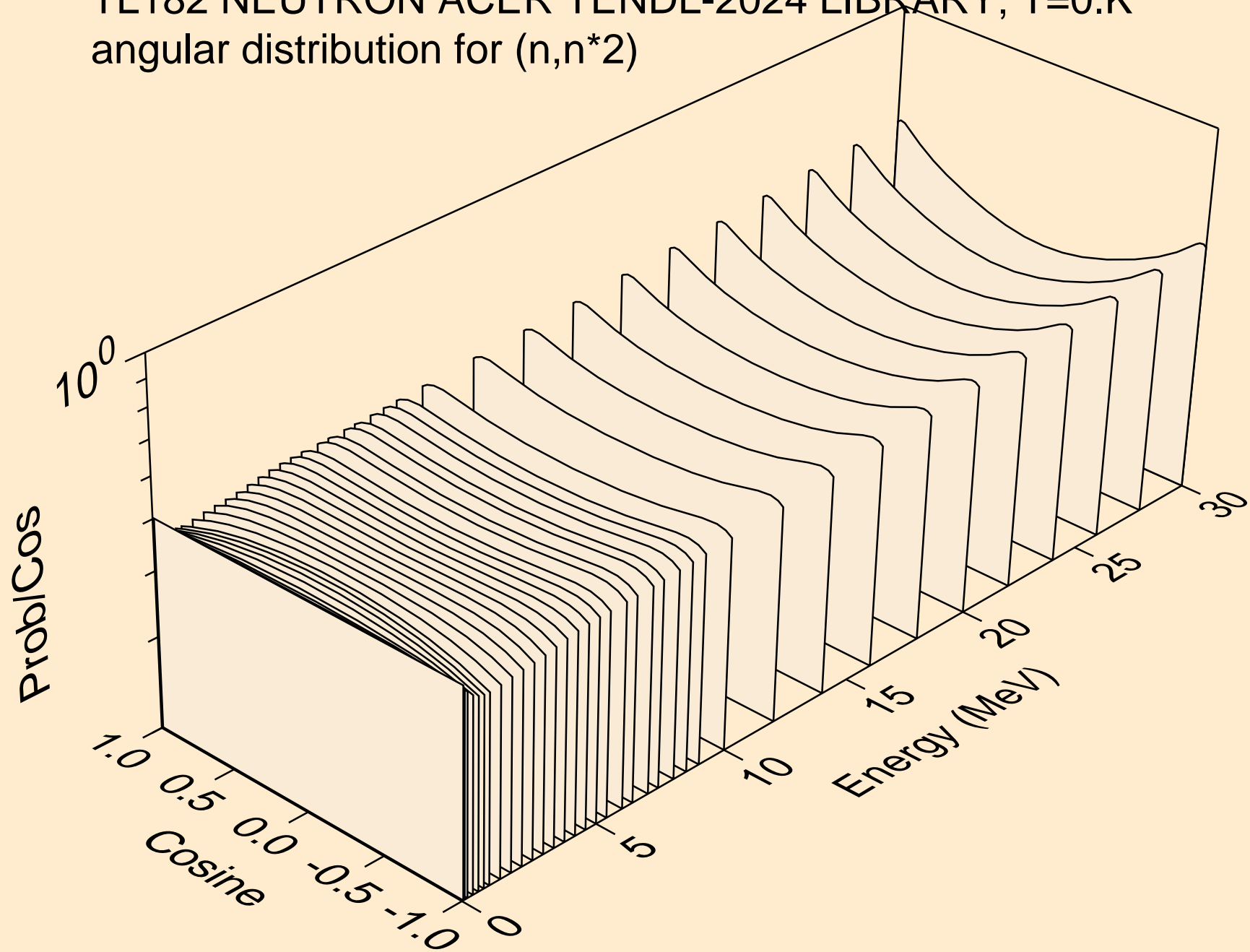
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angular distribution for elastic



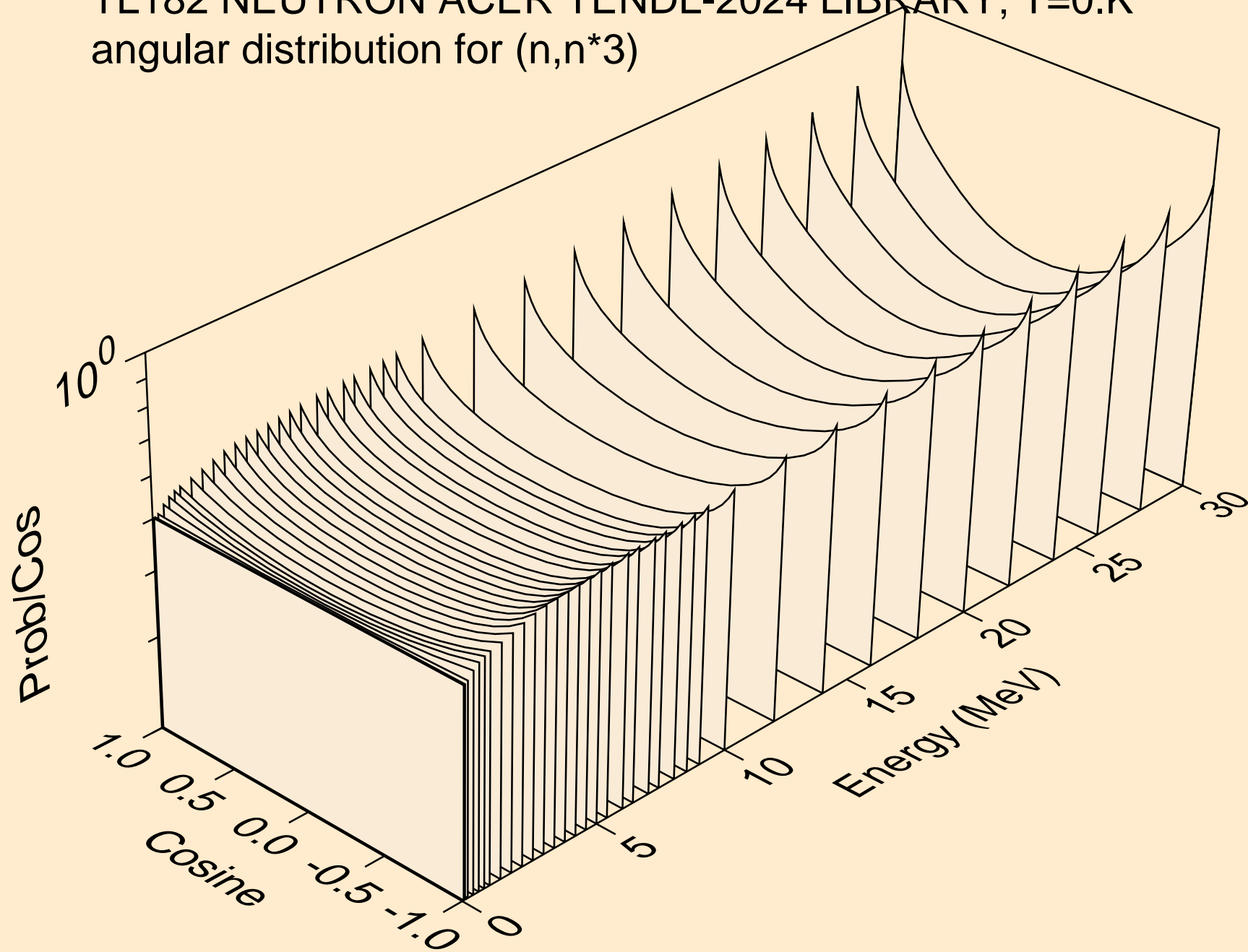
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angular distribution for (n,n\*1)



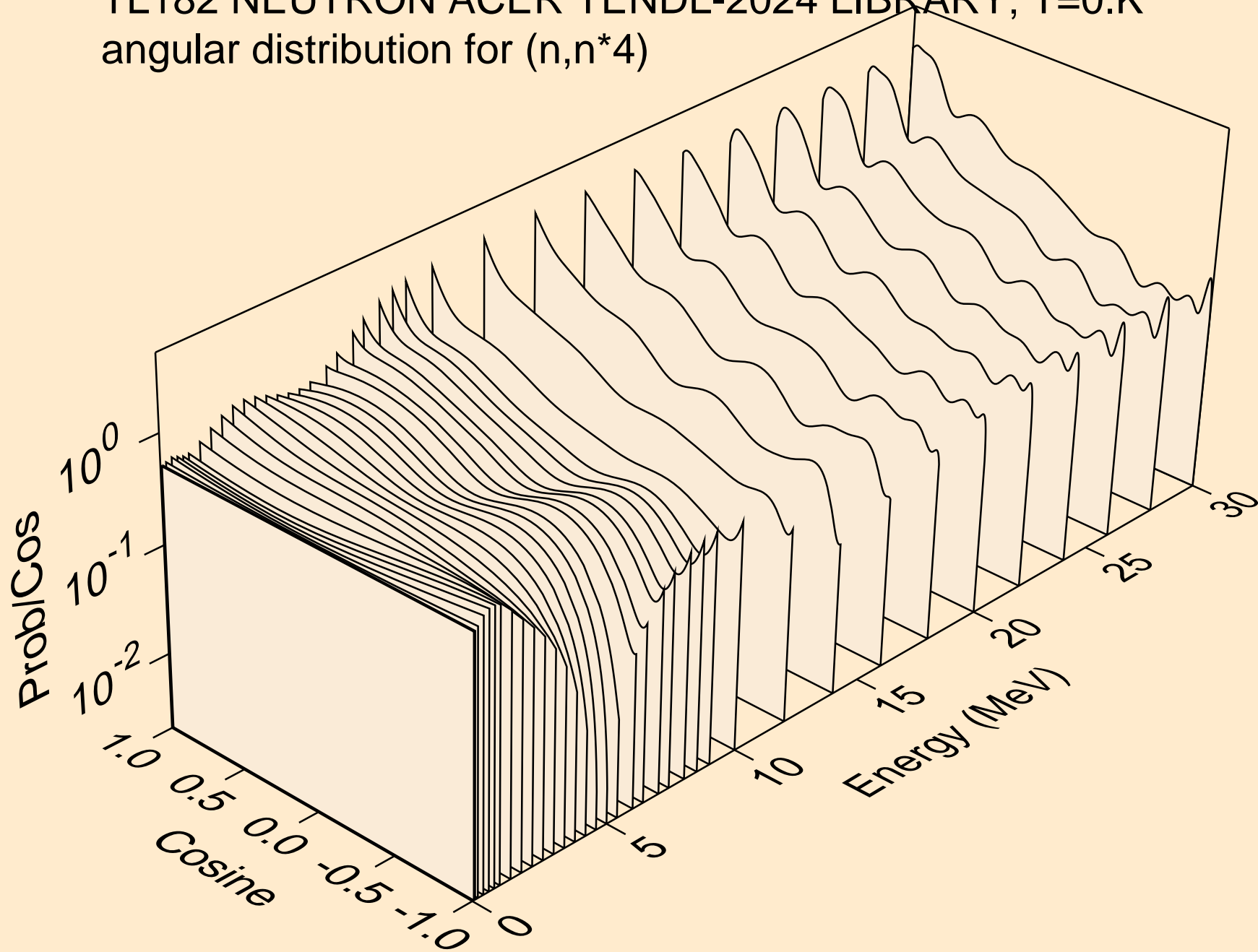
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angular distribution for (n,n\*2)



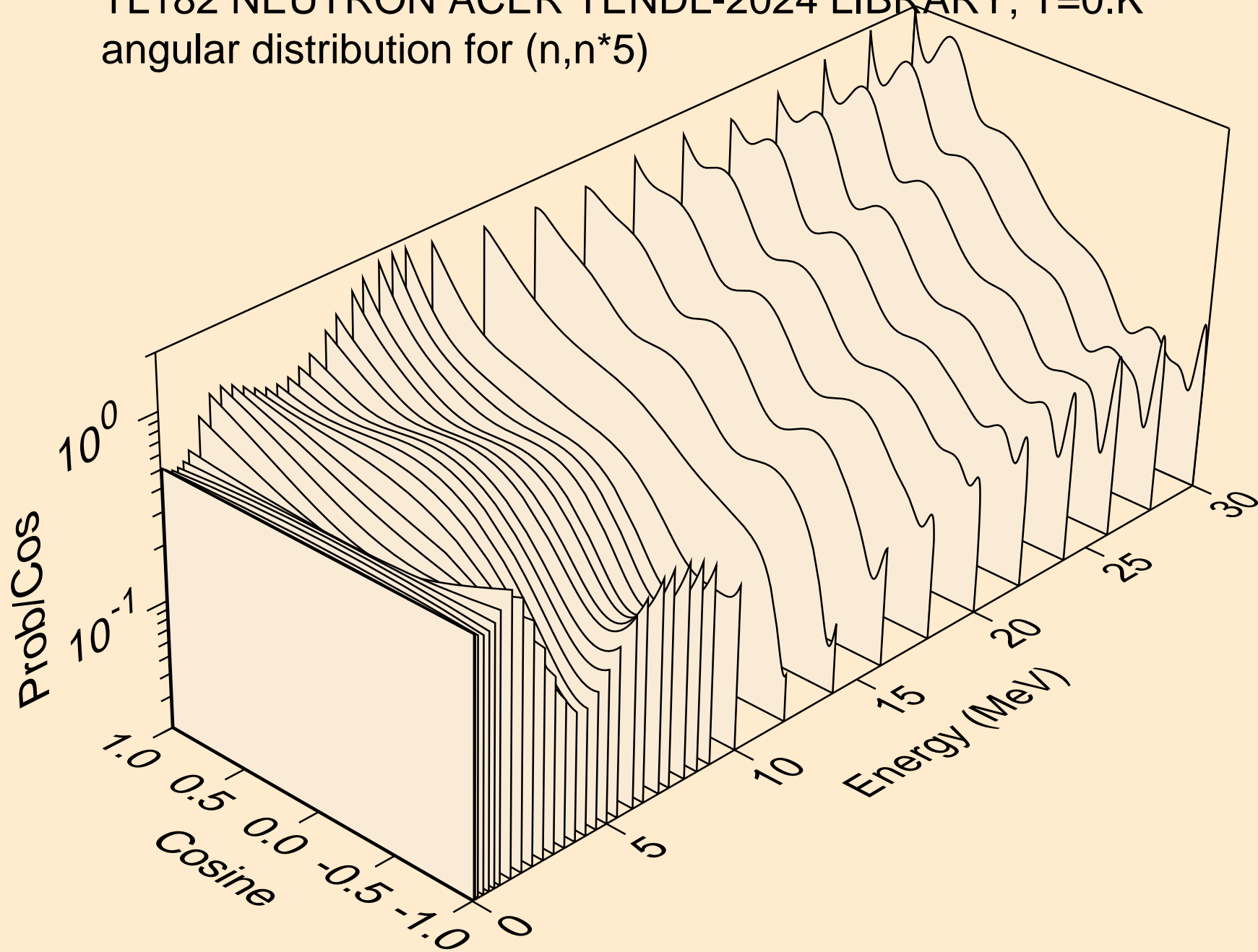
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angular distribution for (n,n\*3)



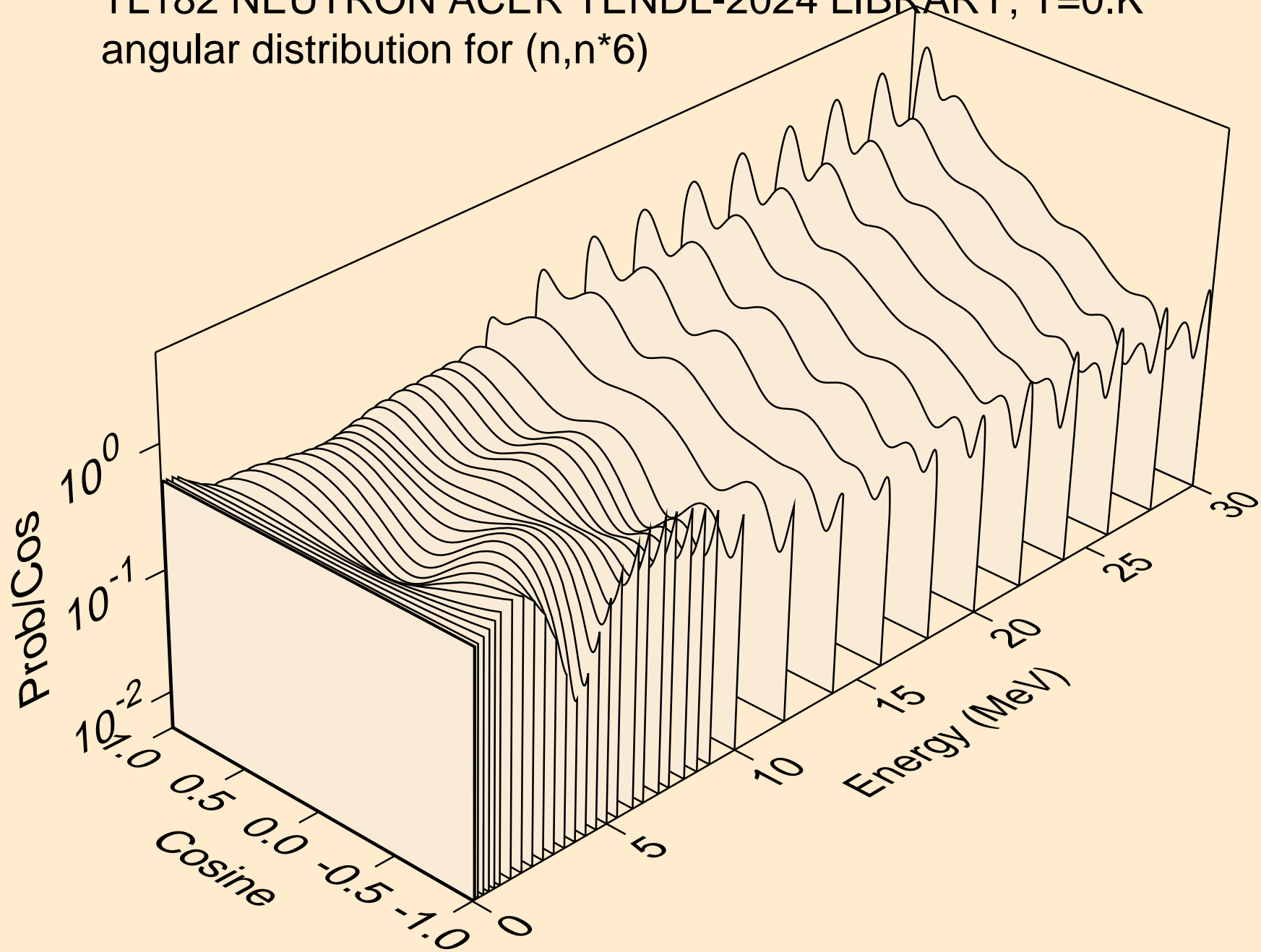
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)

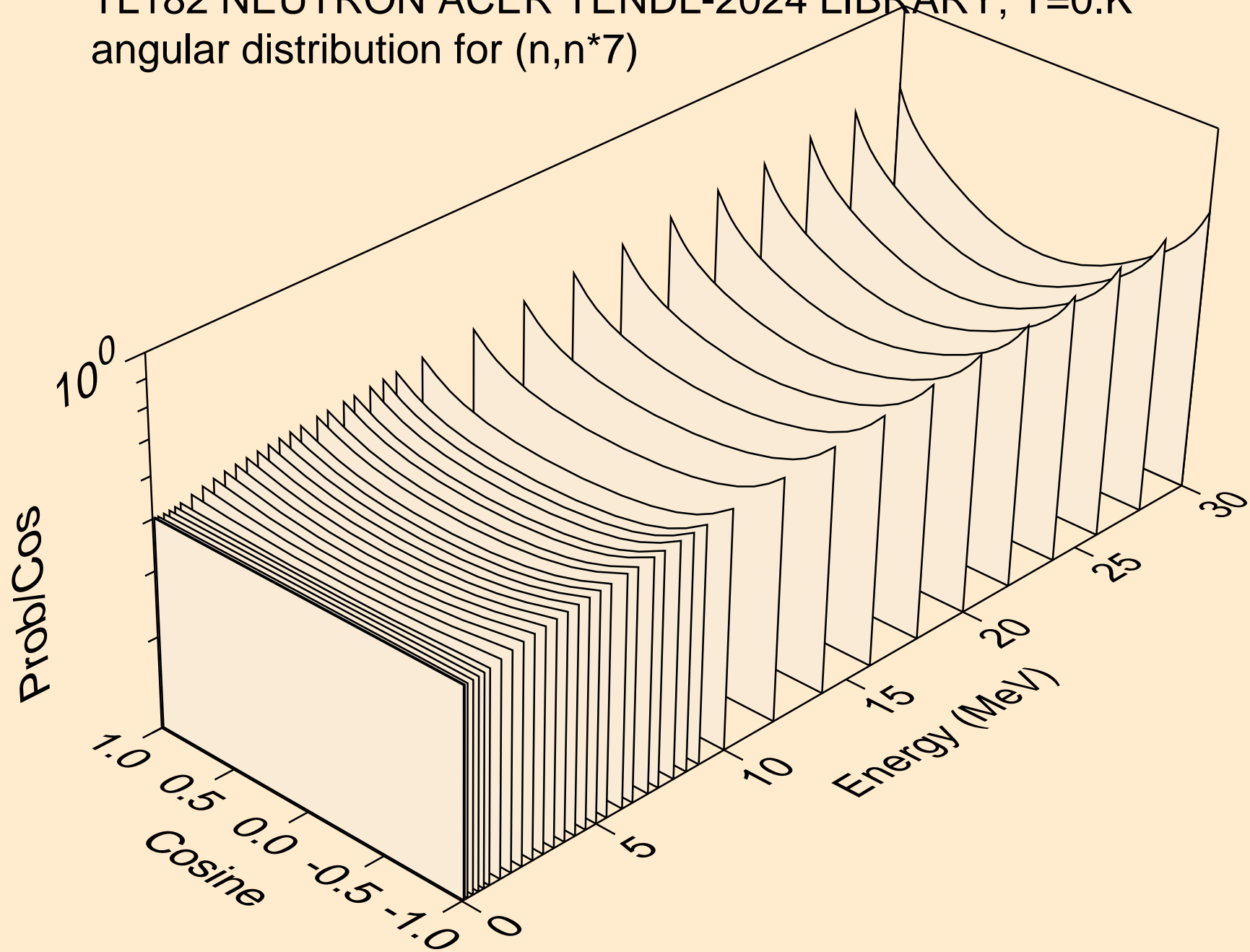


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angular distribution for (n,n\*6)

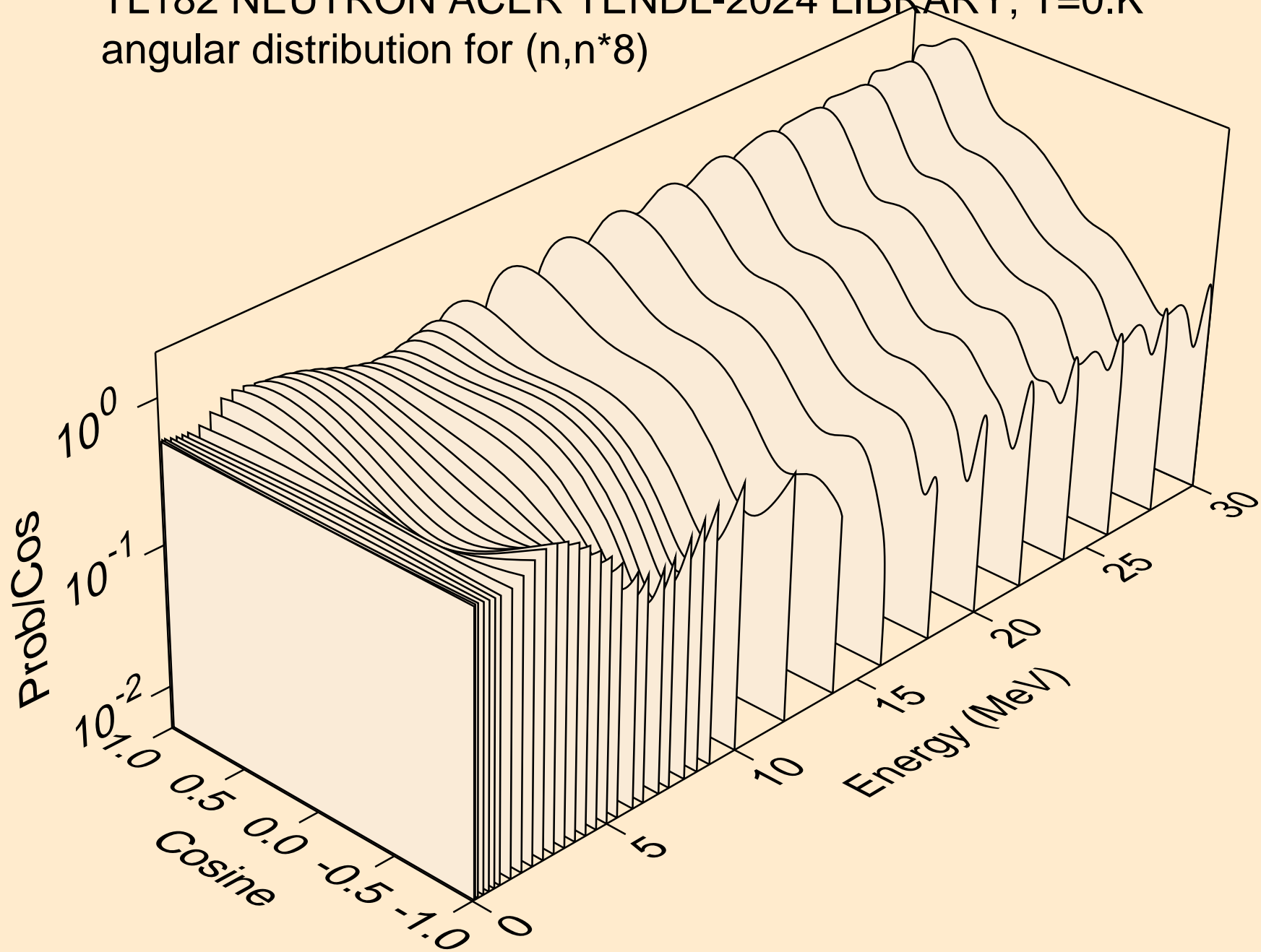




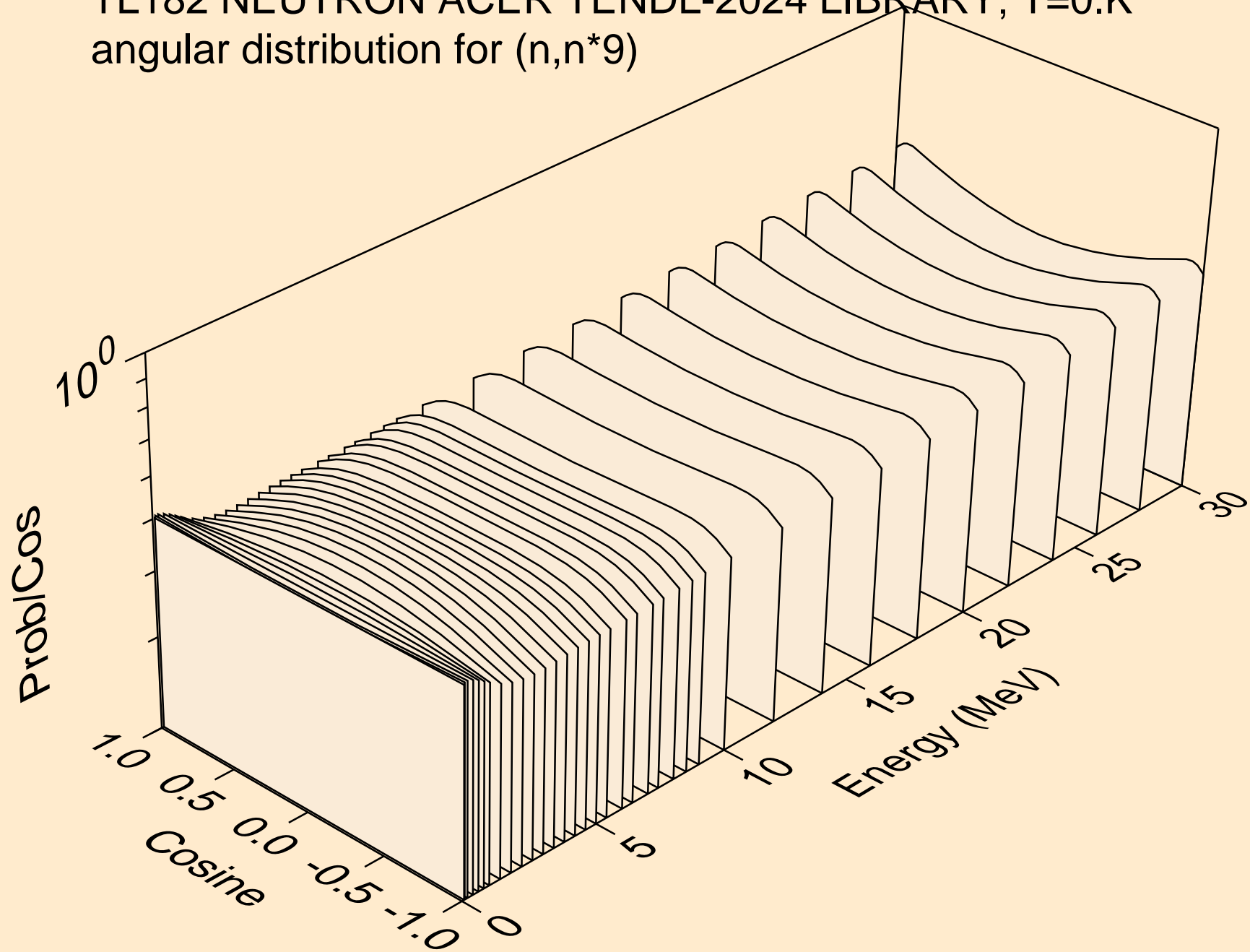
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angular distribution for (n,n\*7)



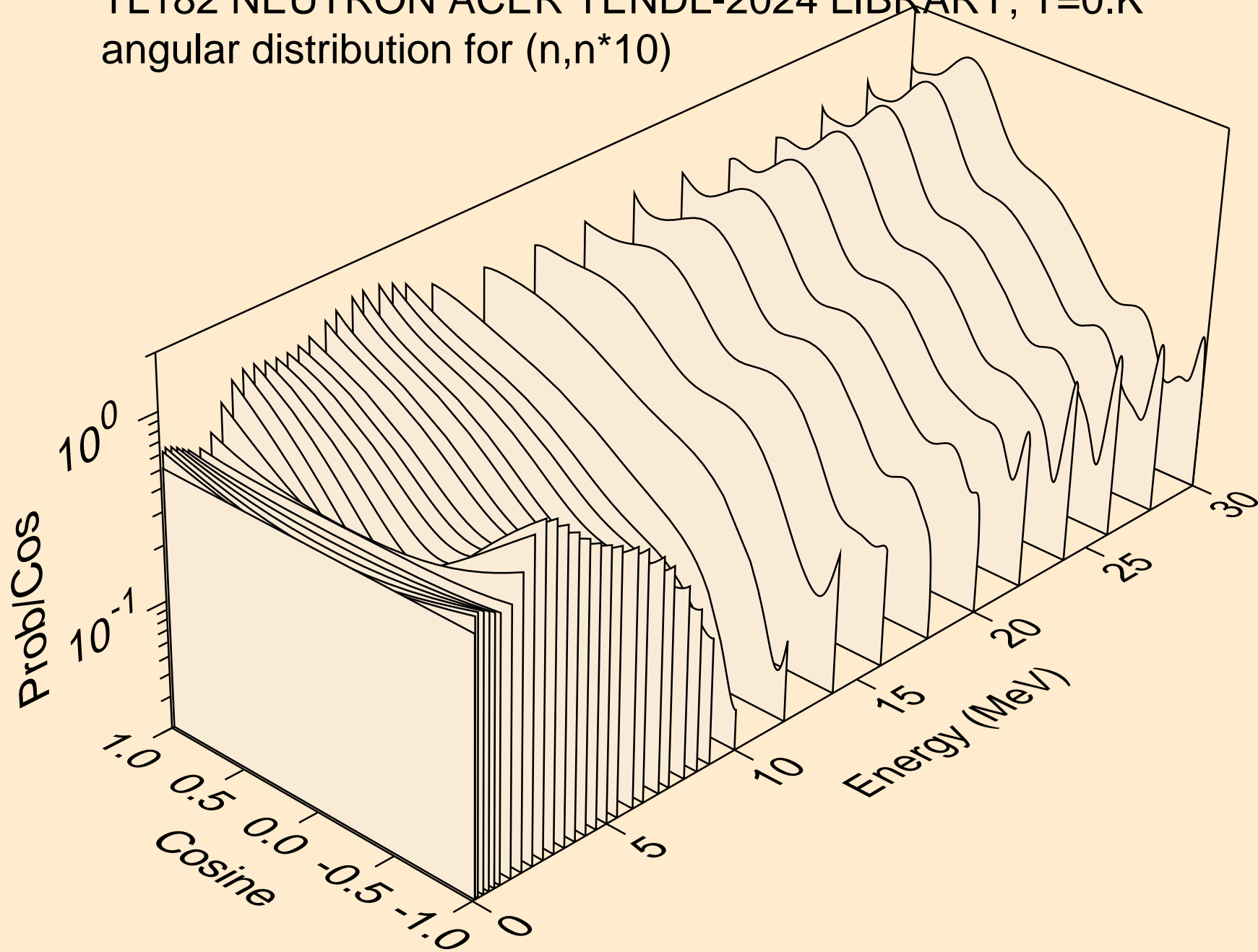
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angular distribution for (n,n\*8)



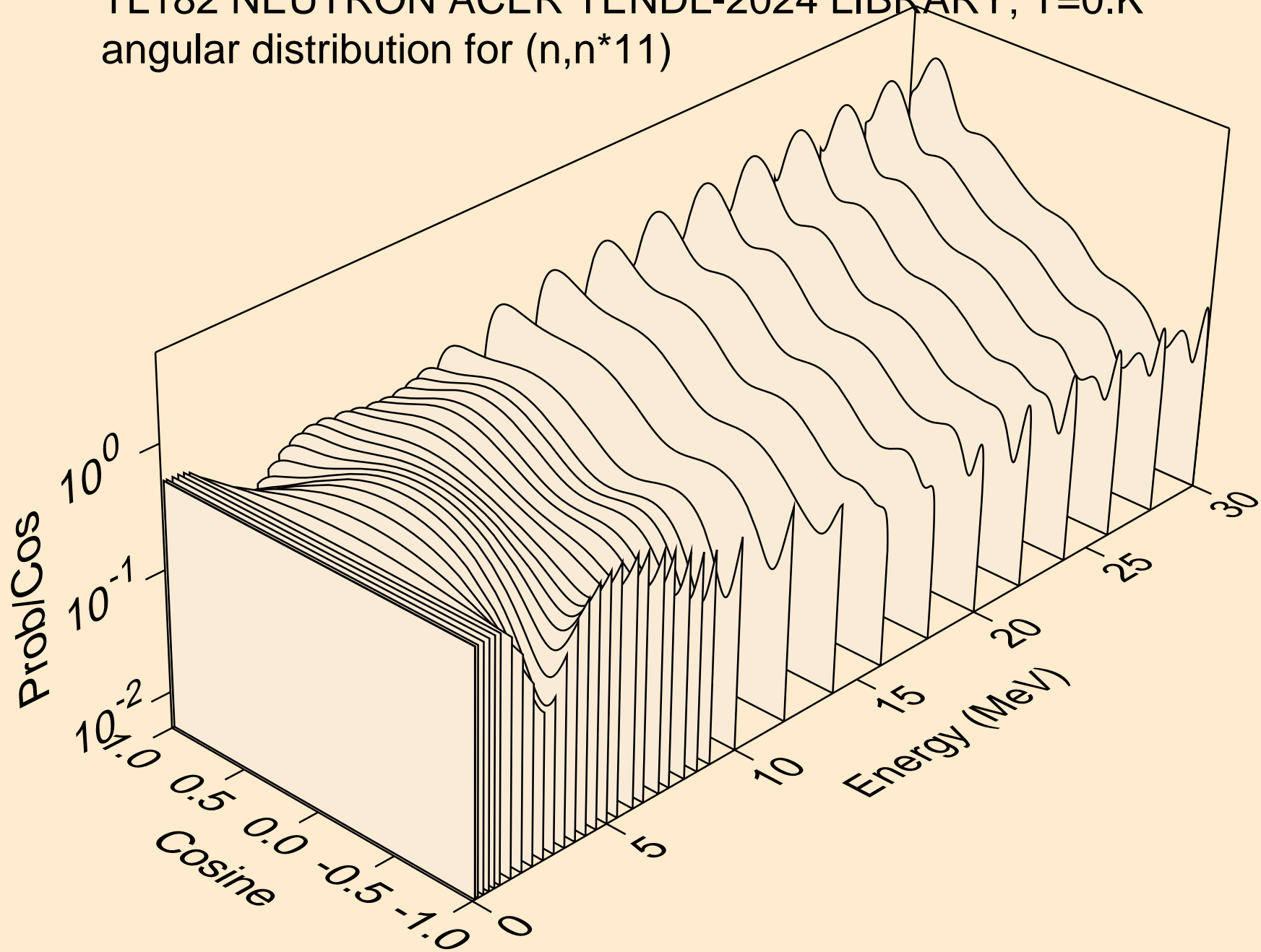
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angular distribution for (n,n\*9)



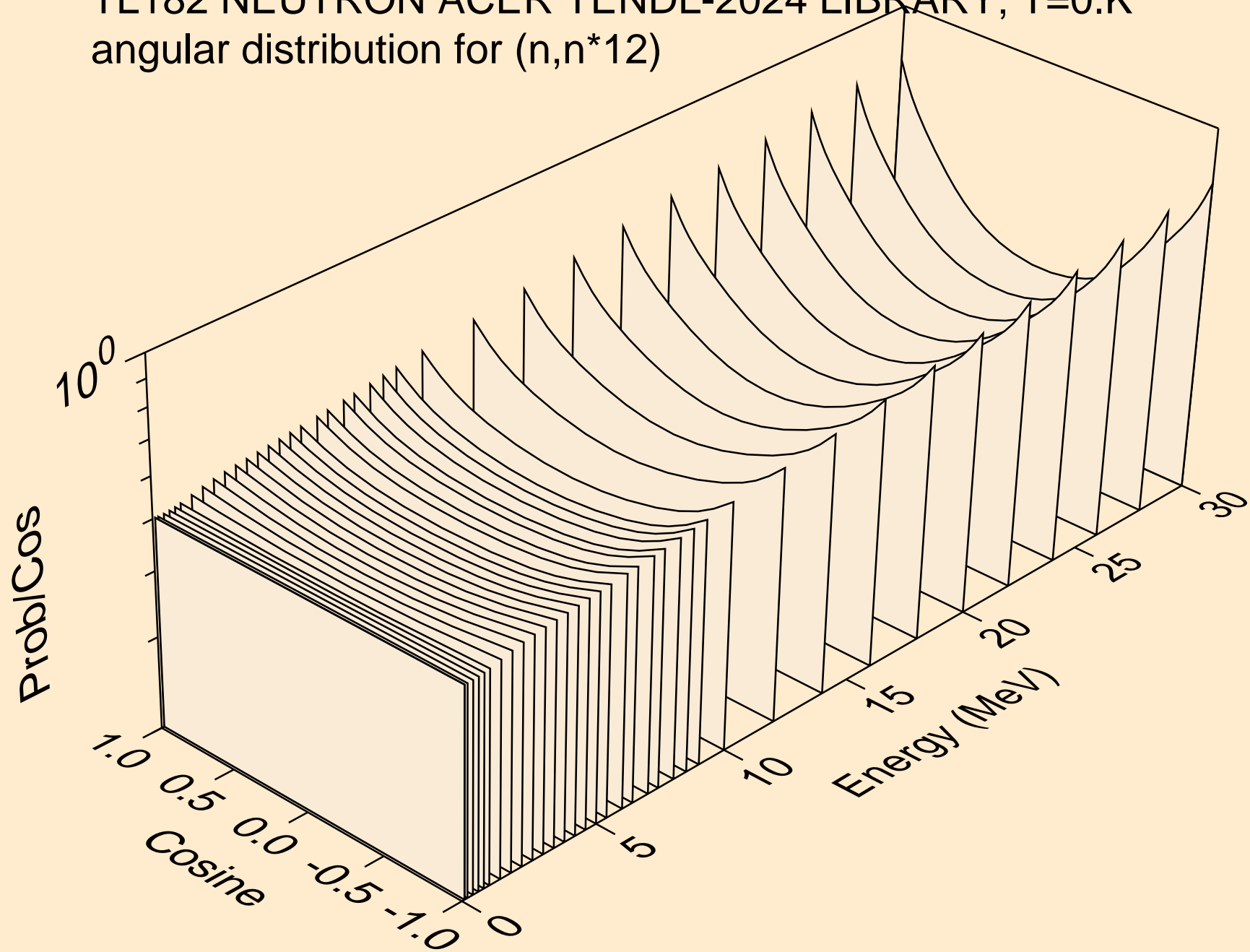
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angular distribution for (n,n\*10)



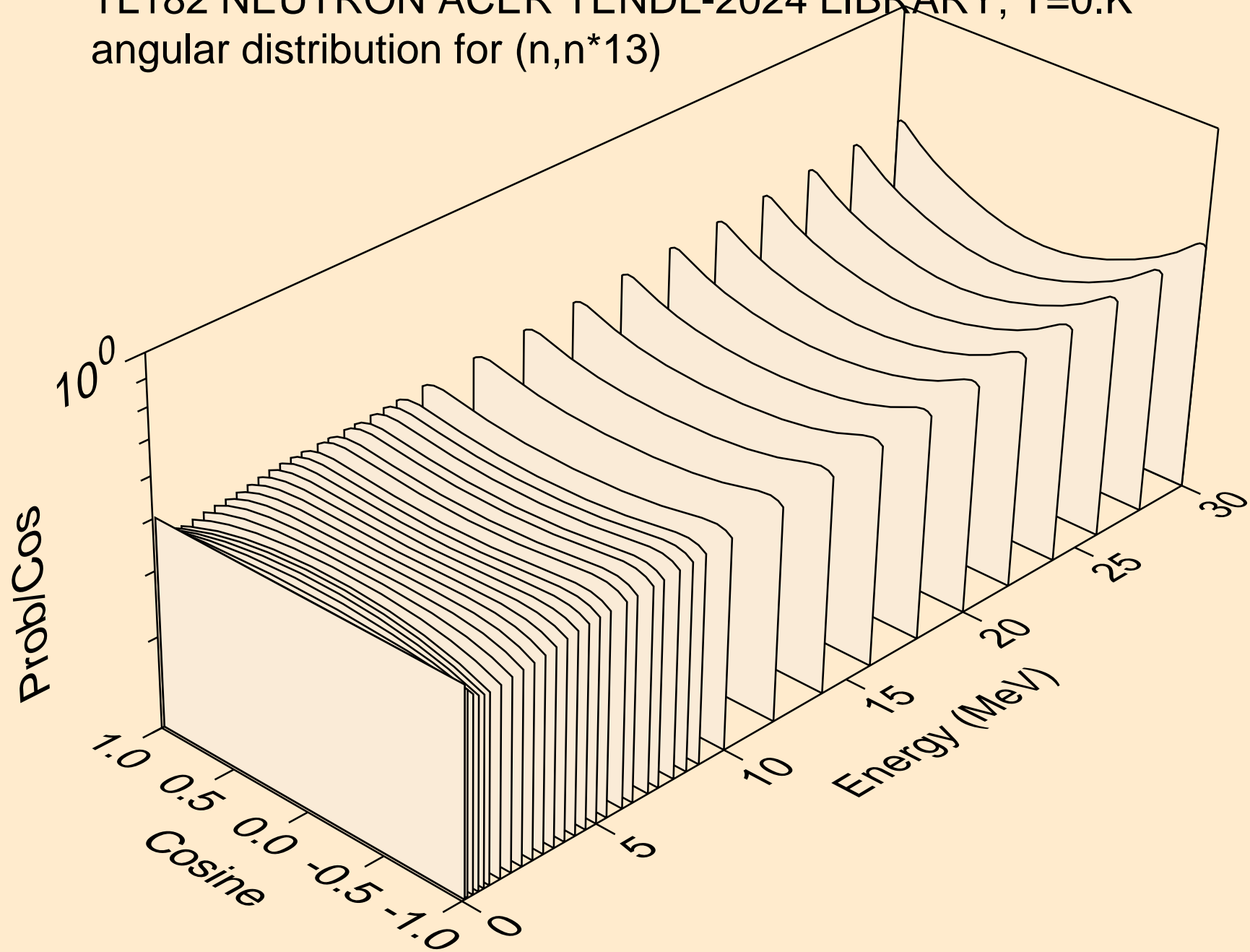
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angular distribution for (n,n\*11)



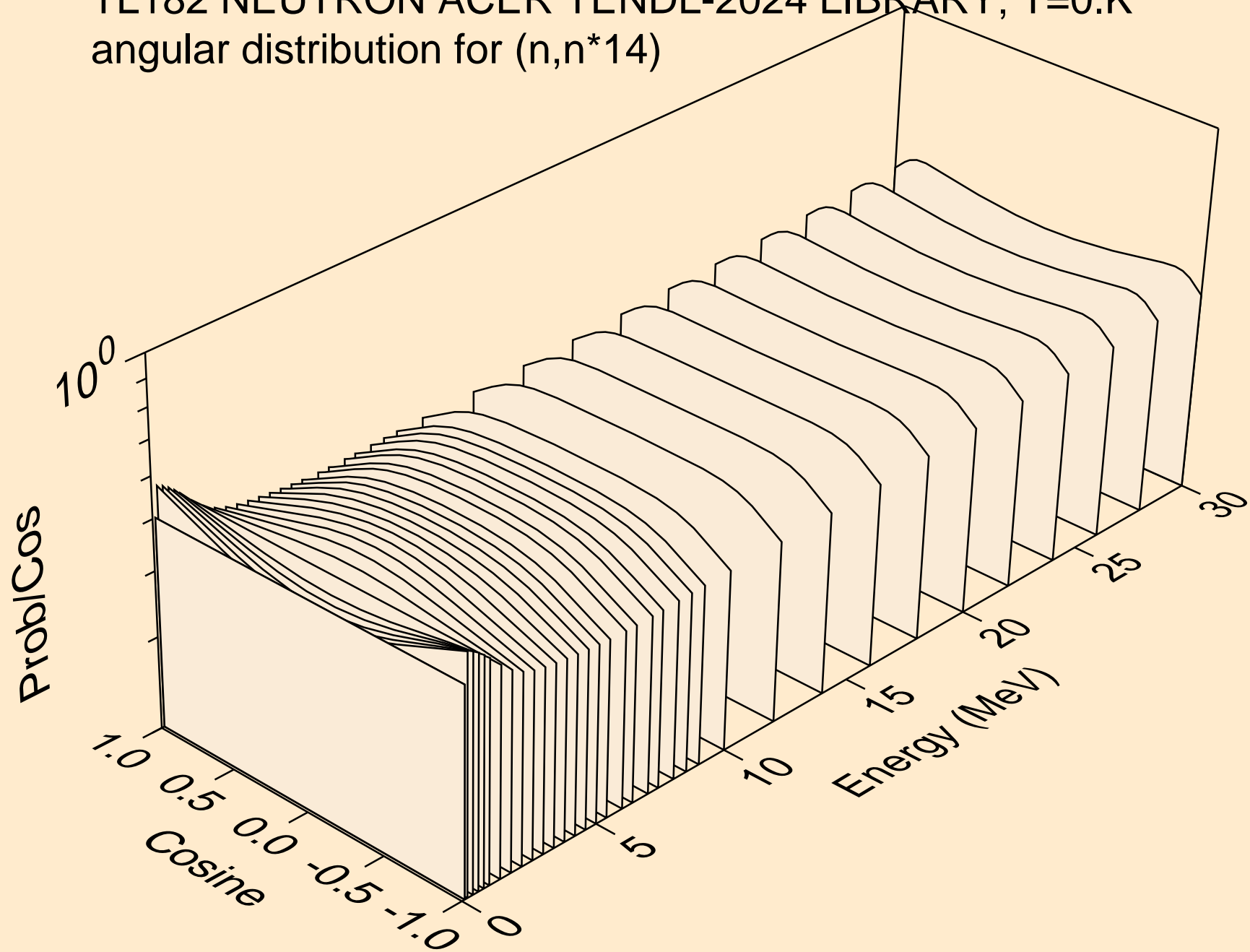
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angular distribution for (n,n\*12)



TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*13)

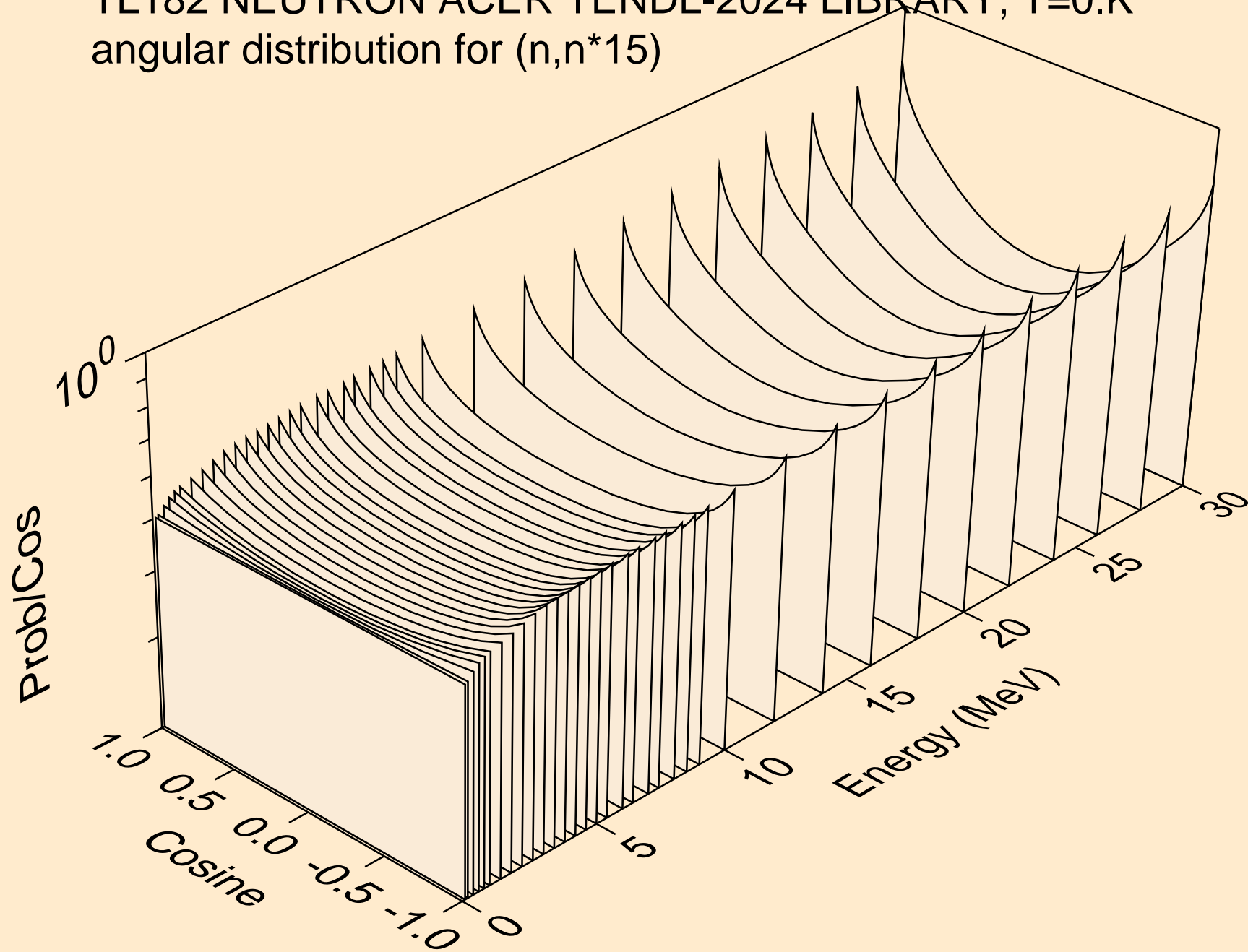


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angular distribution for (n,n\*14)

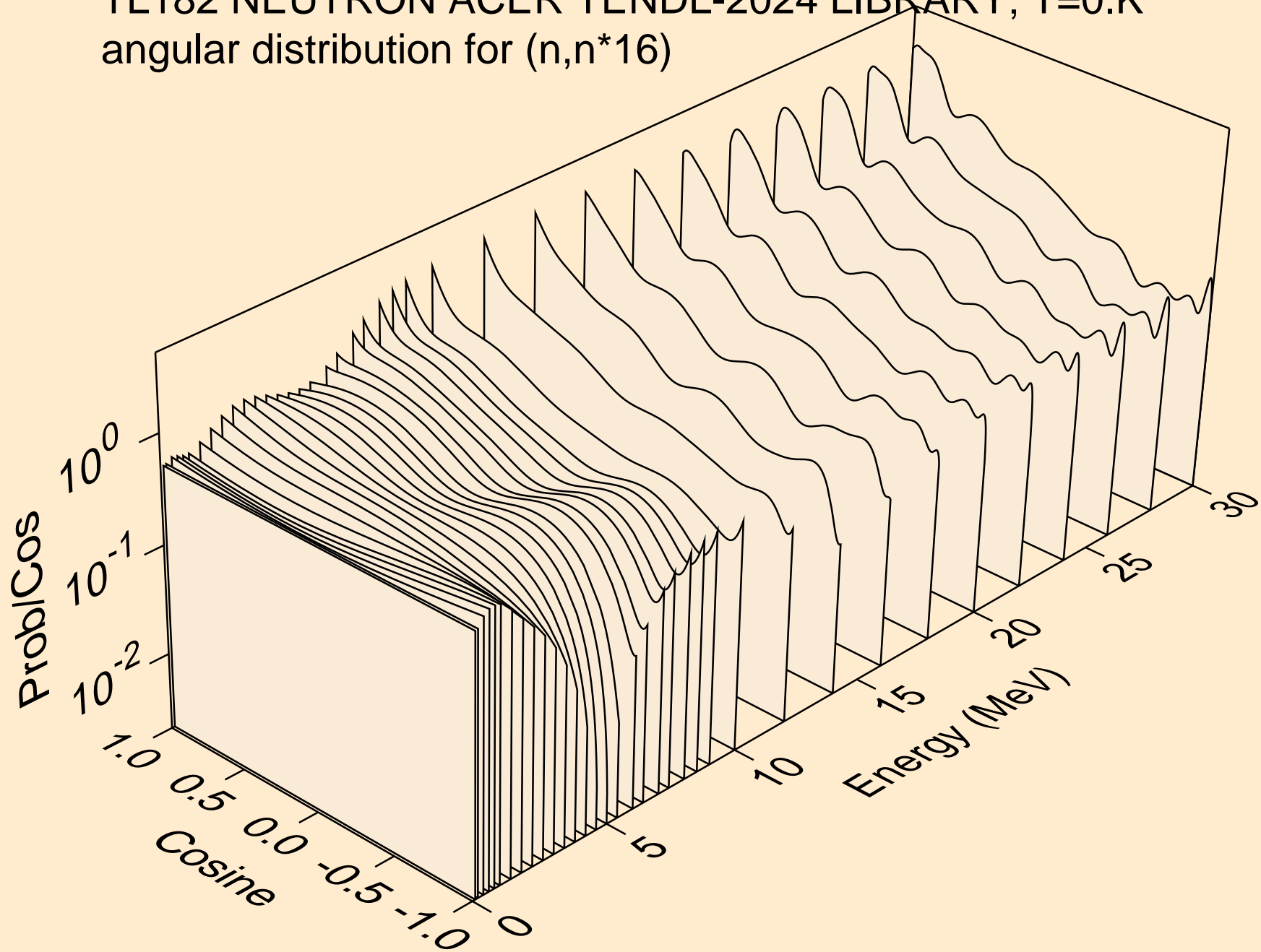




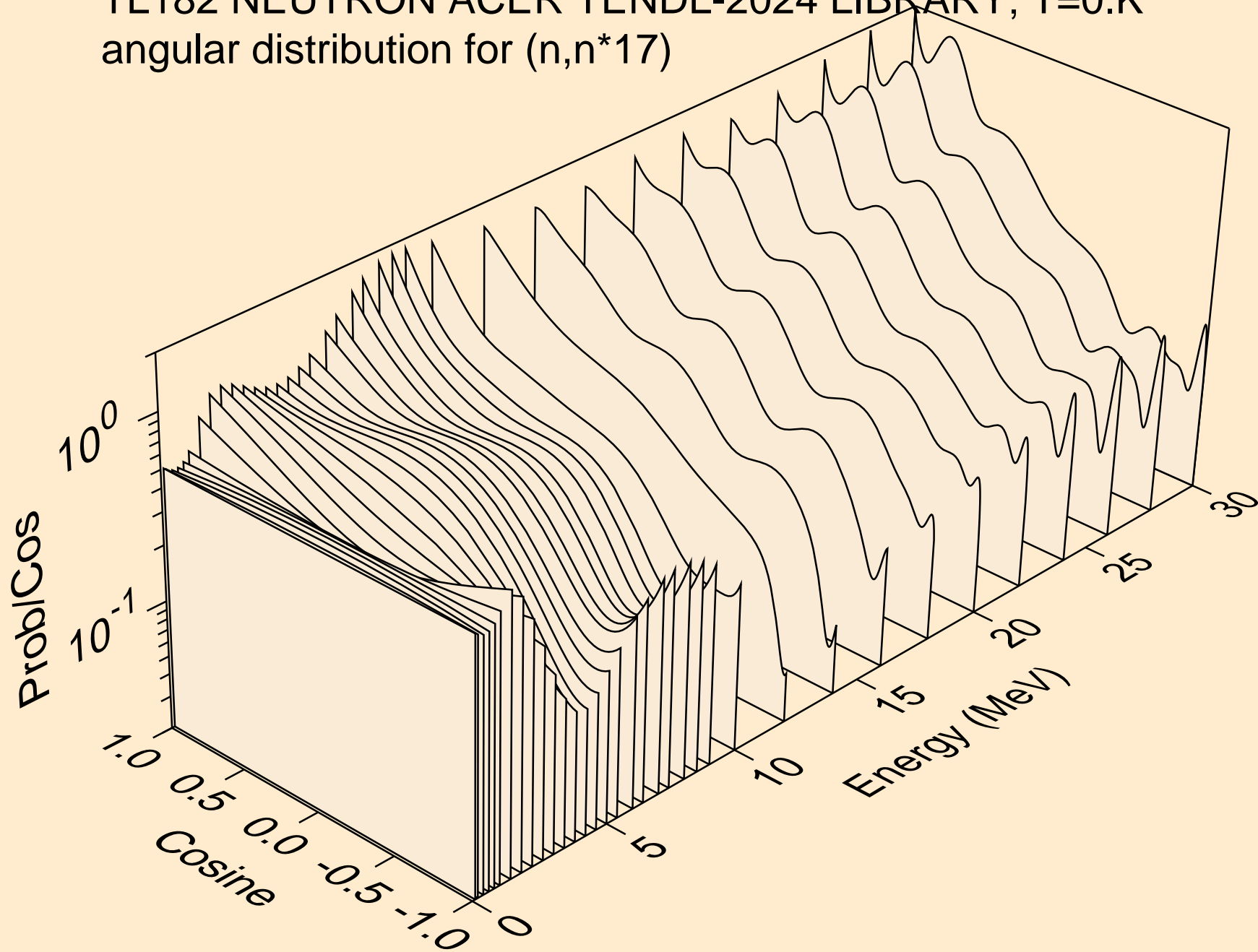
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angular distribution for (n,n\*15)



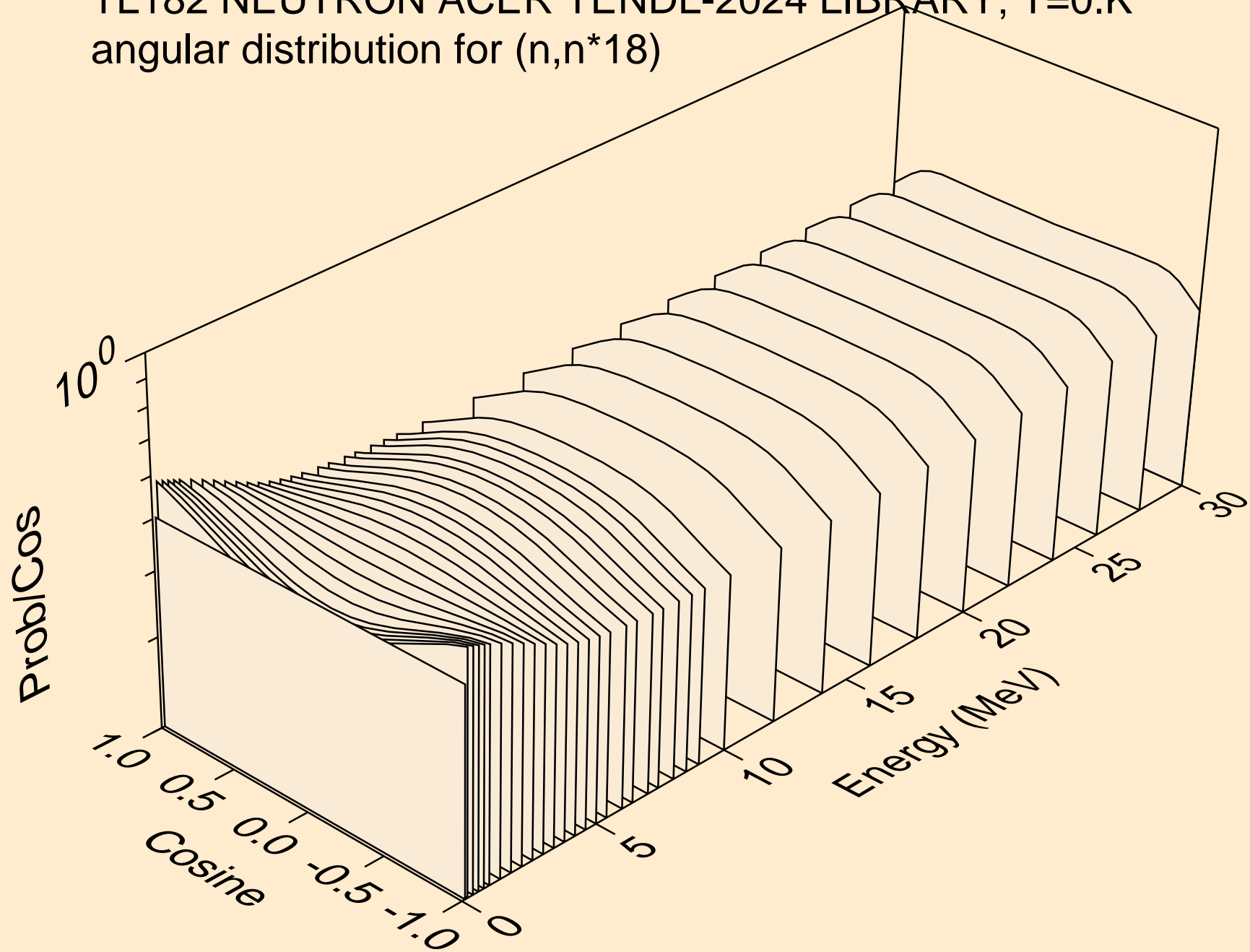
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angular distribution for (n,n\*16)



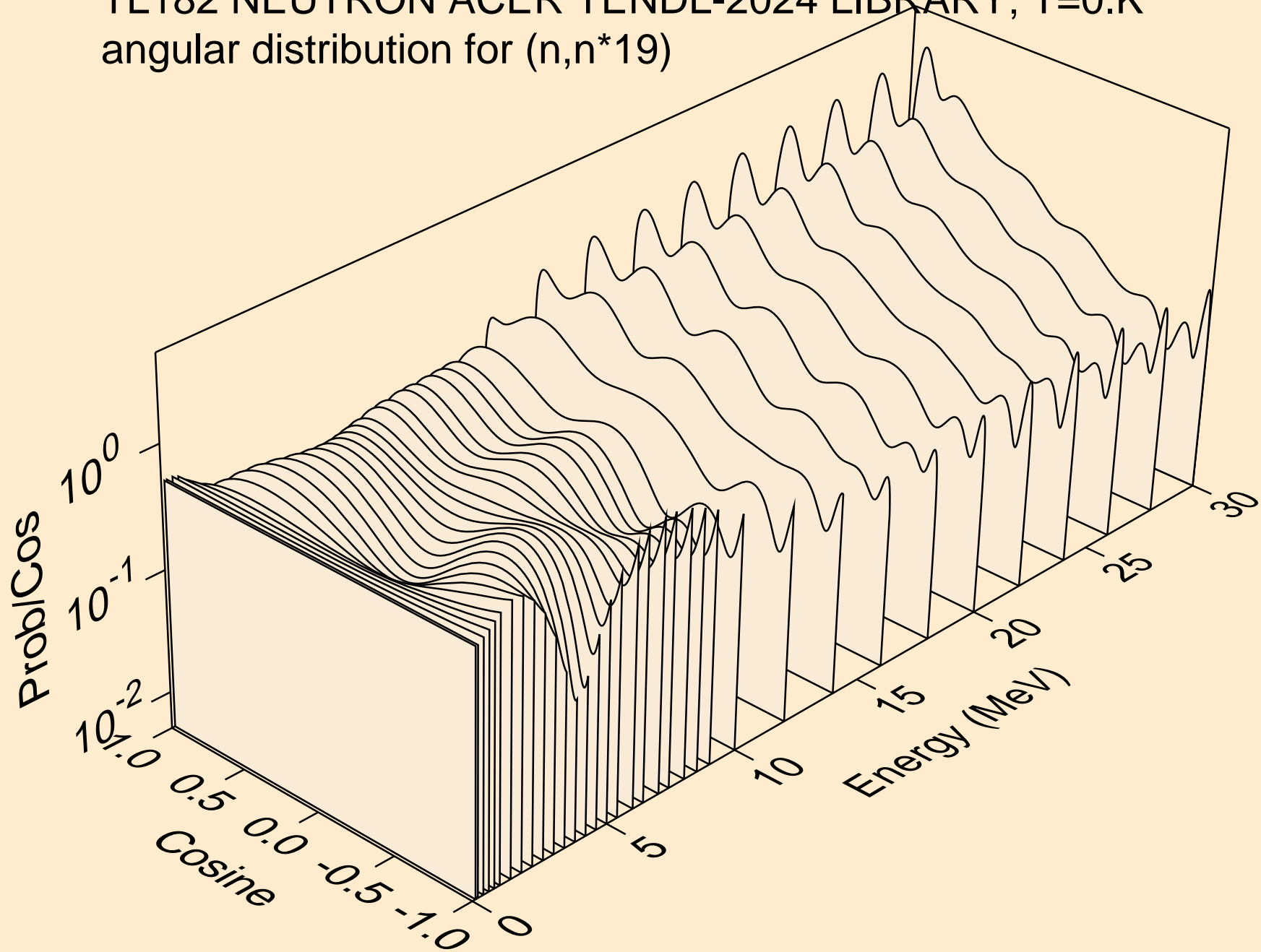
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angular distribution for (n,n\*17)



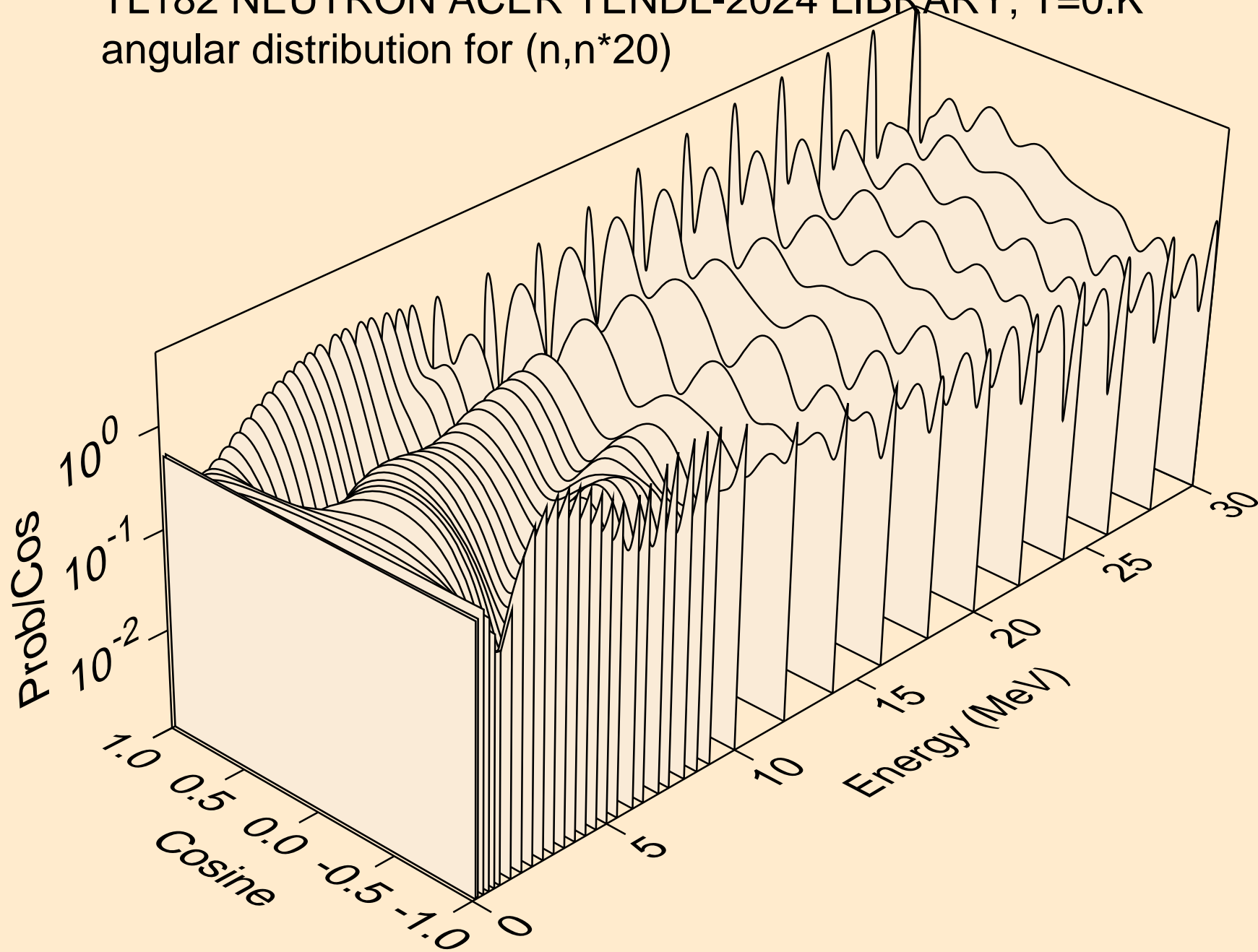
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angular distribution for (n,n\*18)



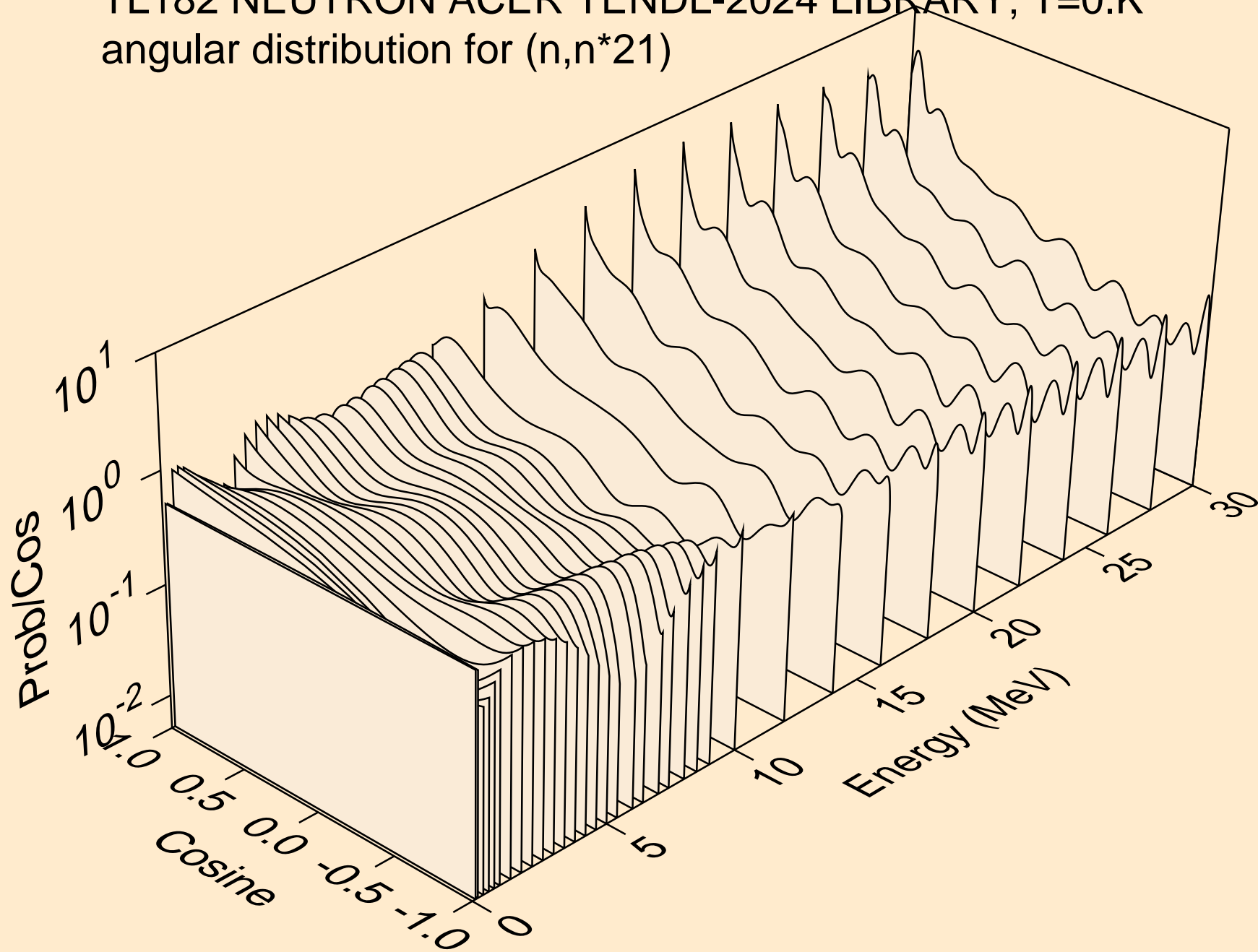
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angular distribution for (n,n\*19)



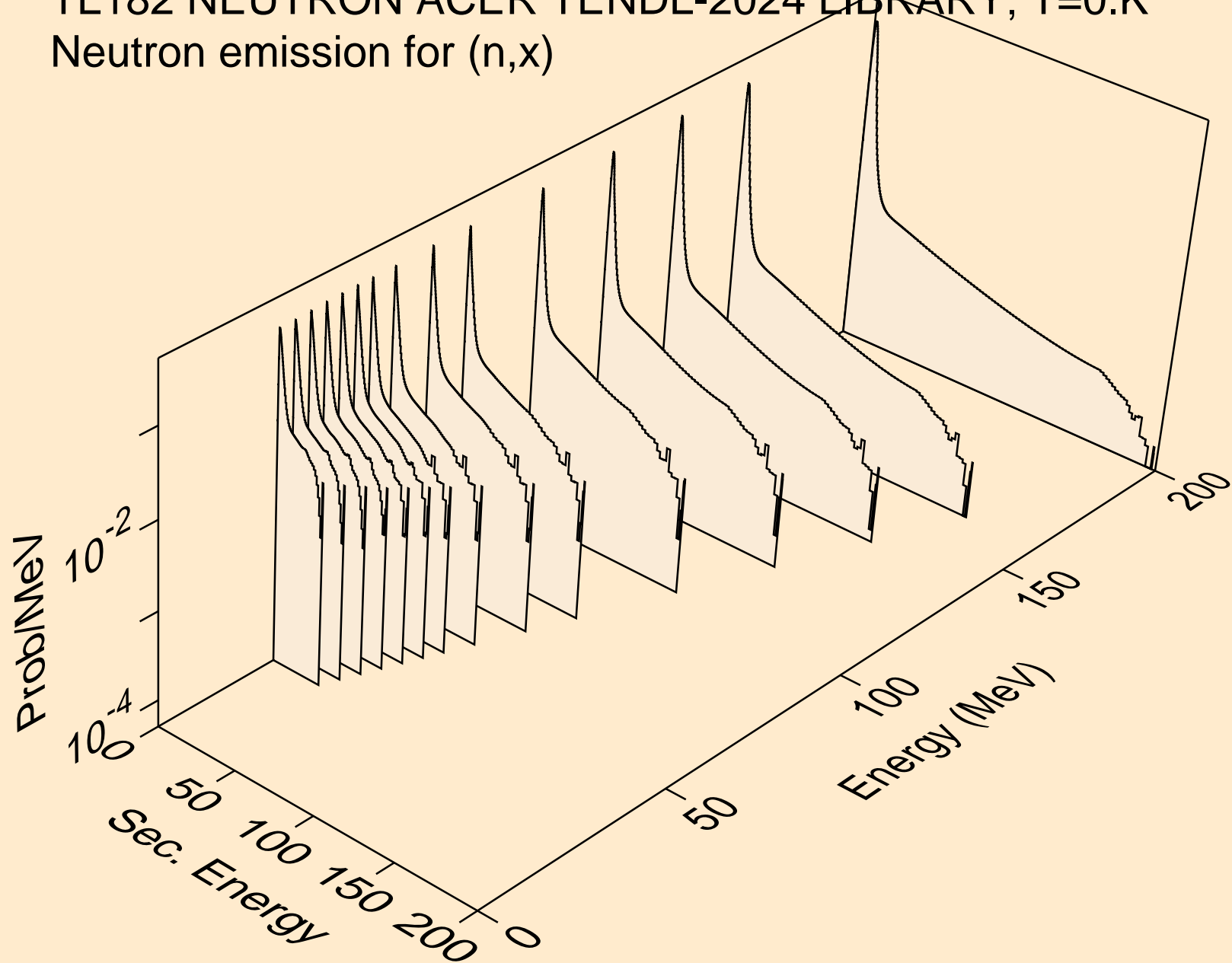
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*20)



TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*21)

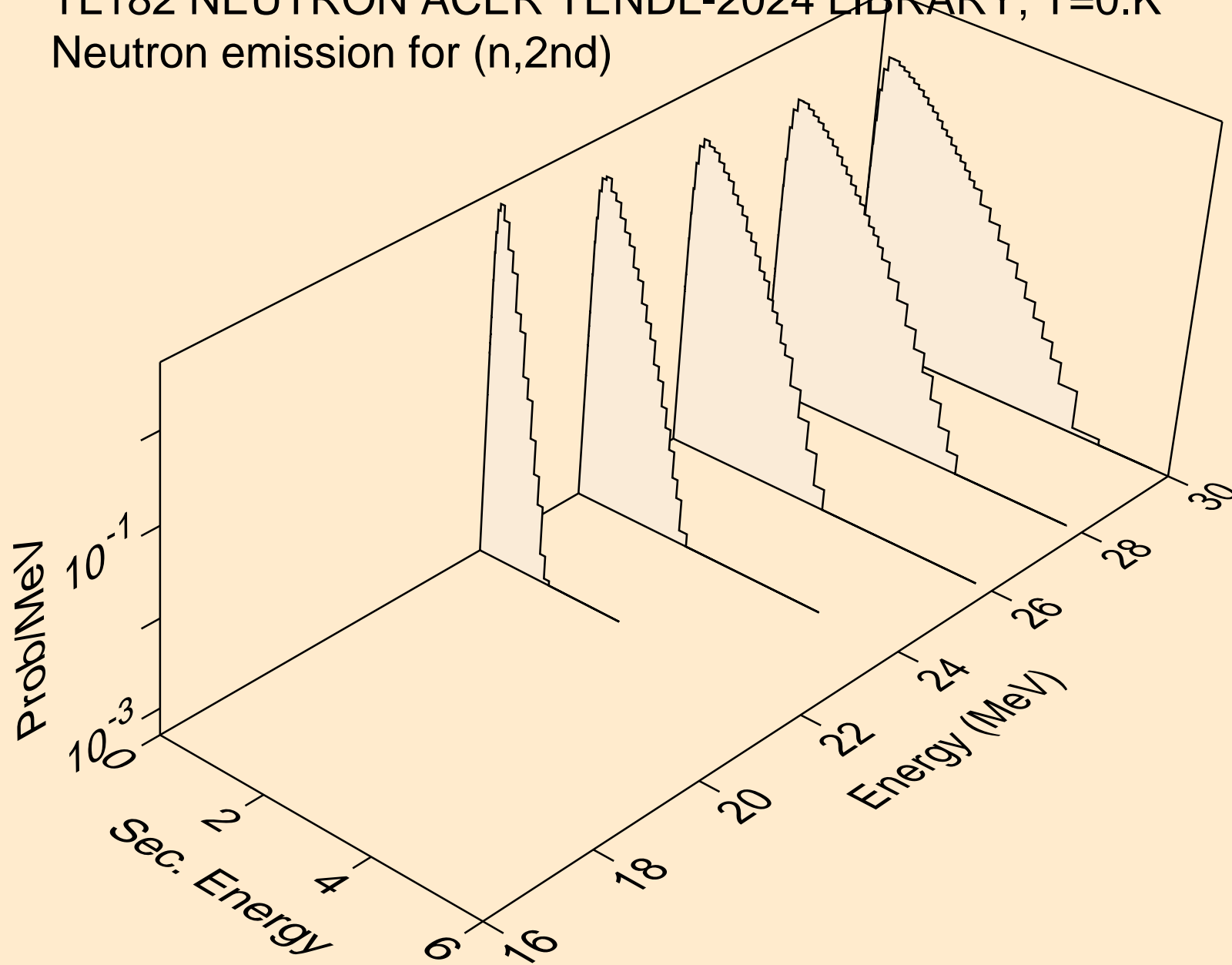


TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)

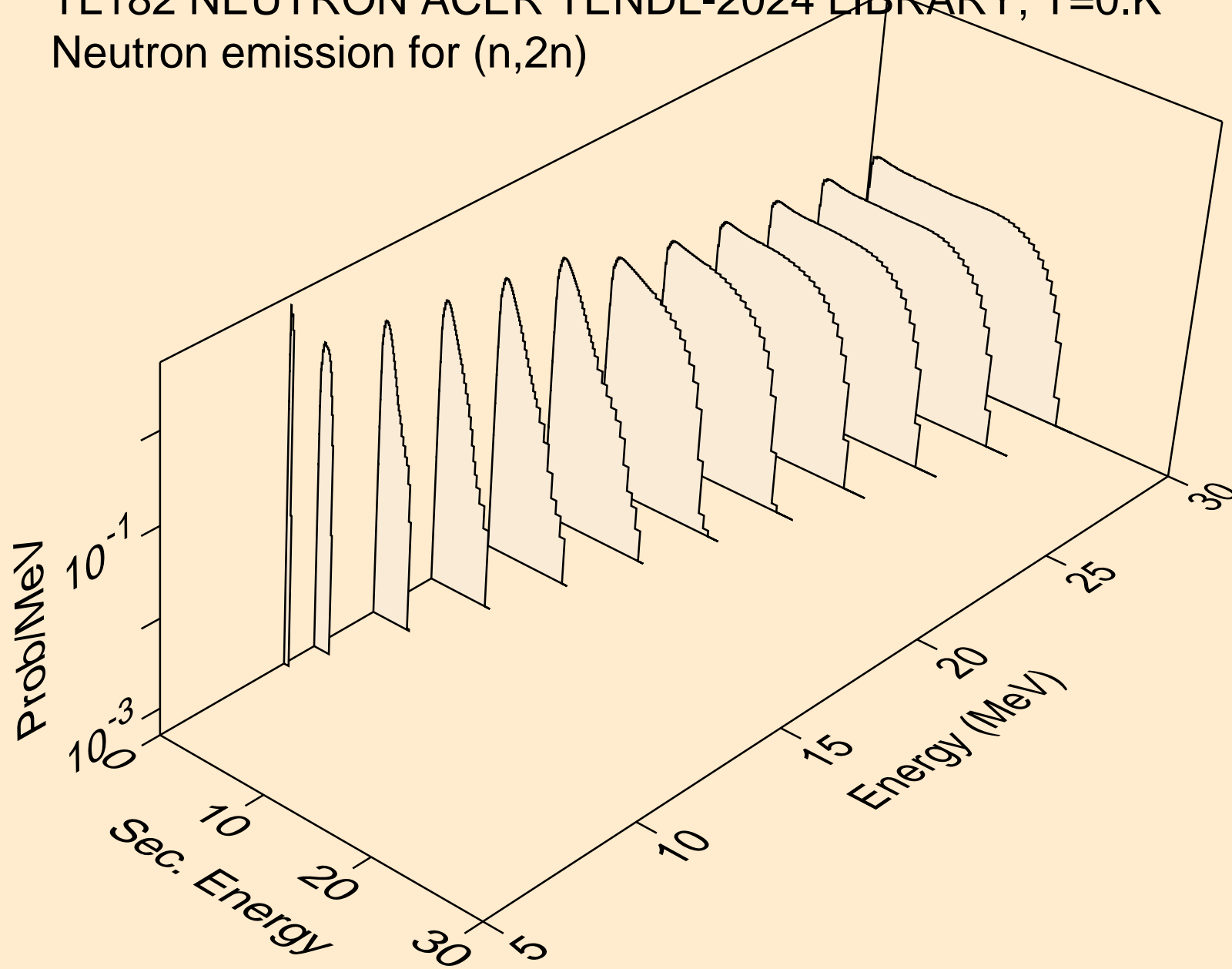




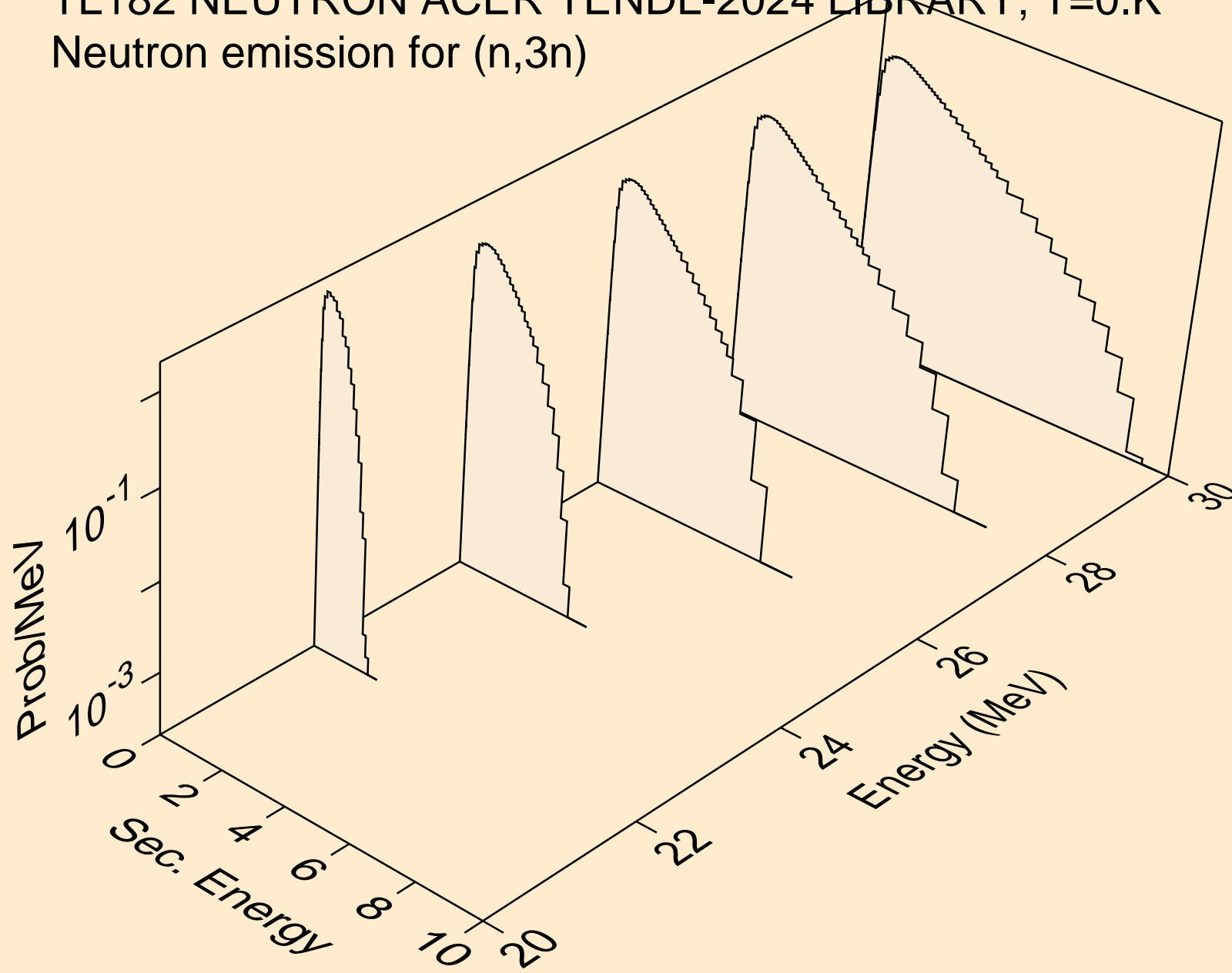
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



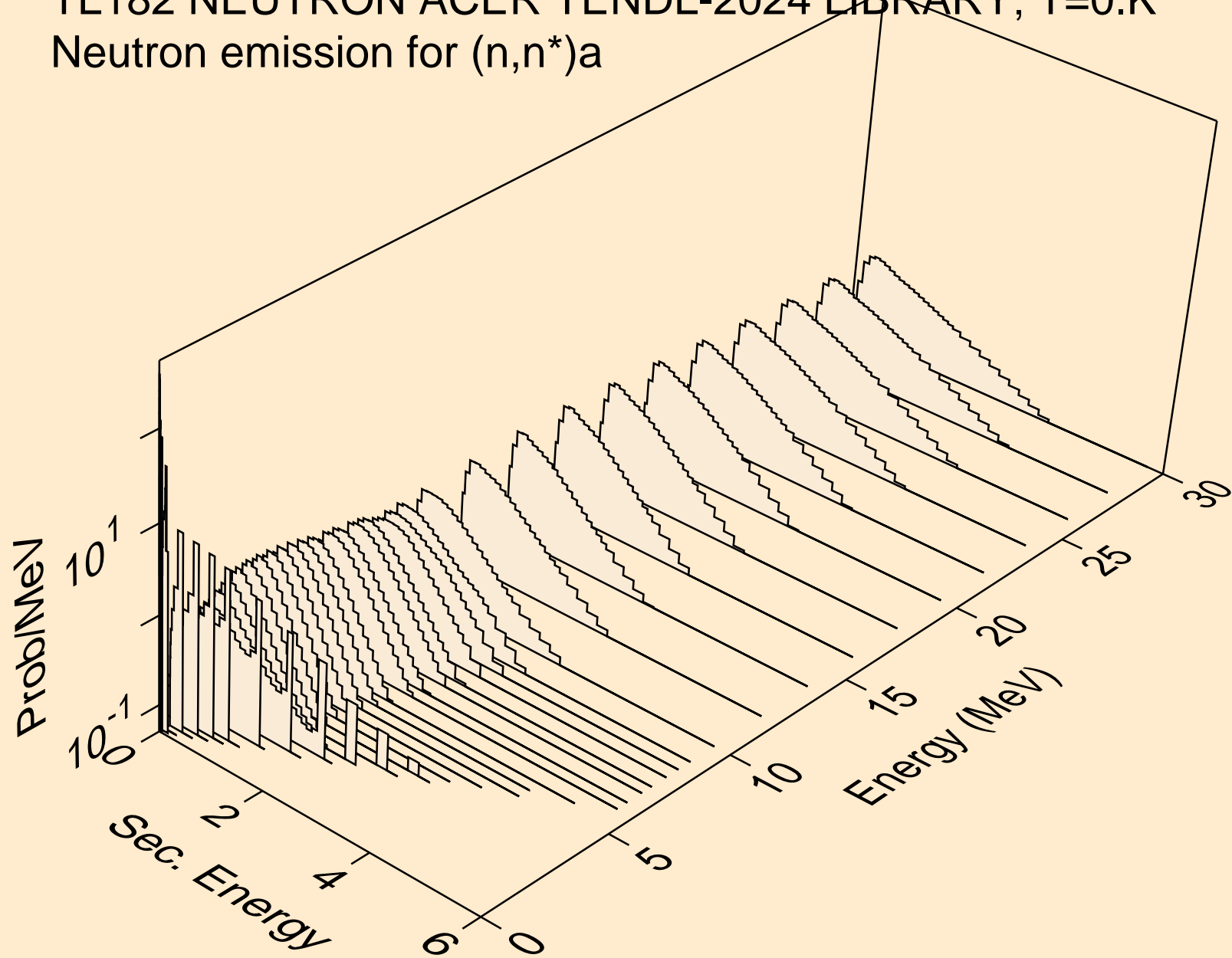
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Neutron emission for (n,2n)



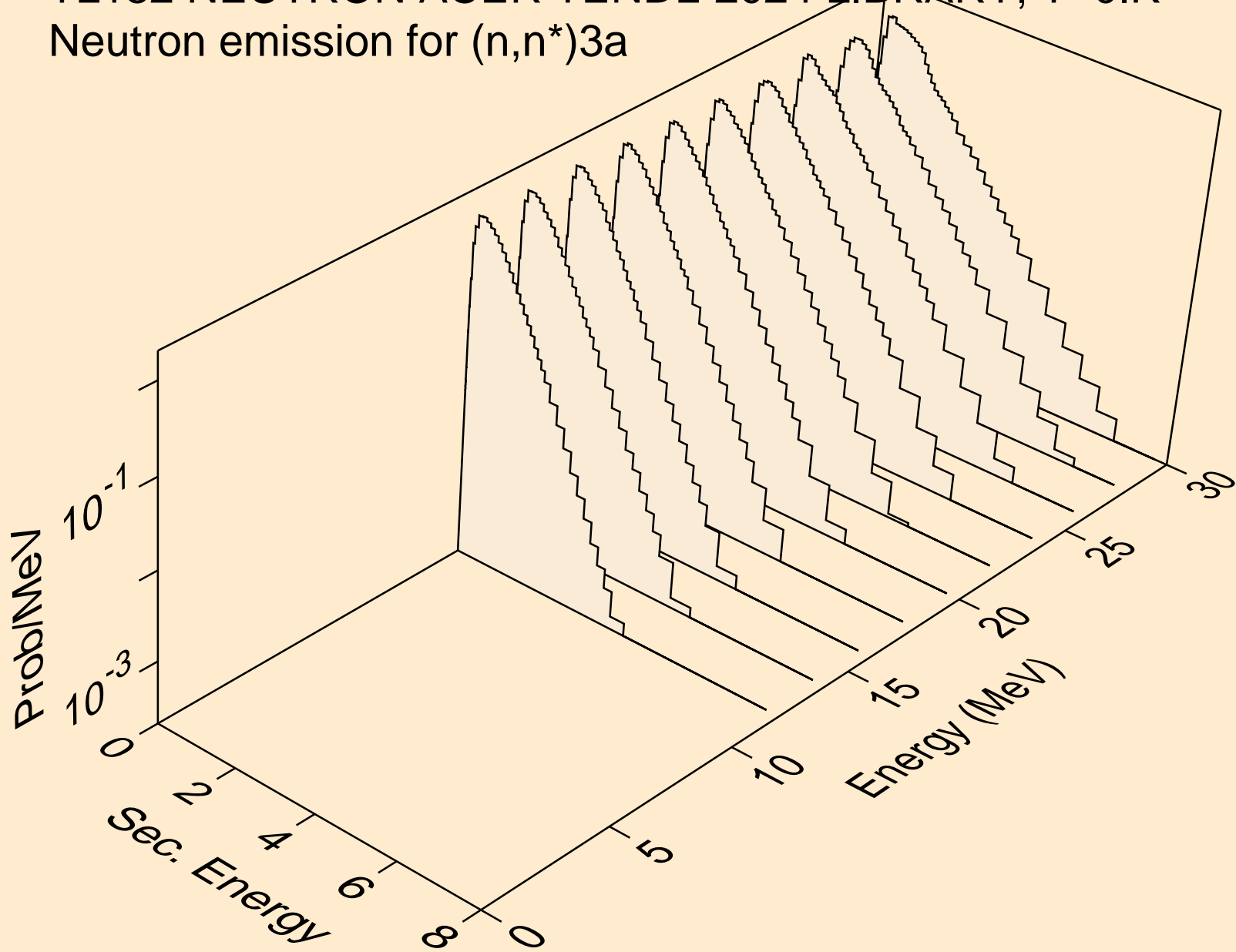
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Neutron emission for (n,3n)



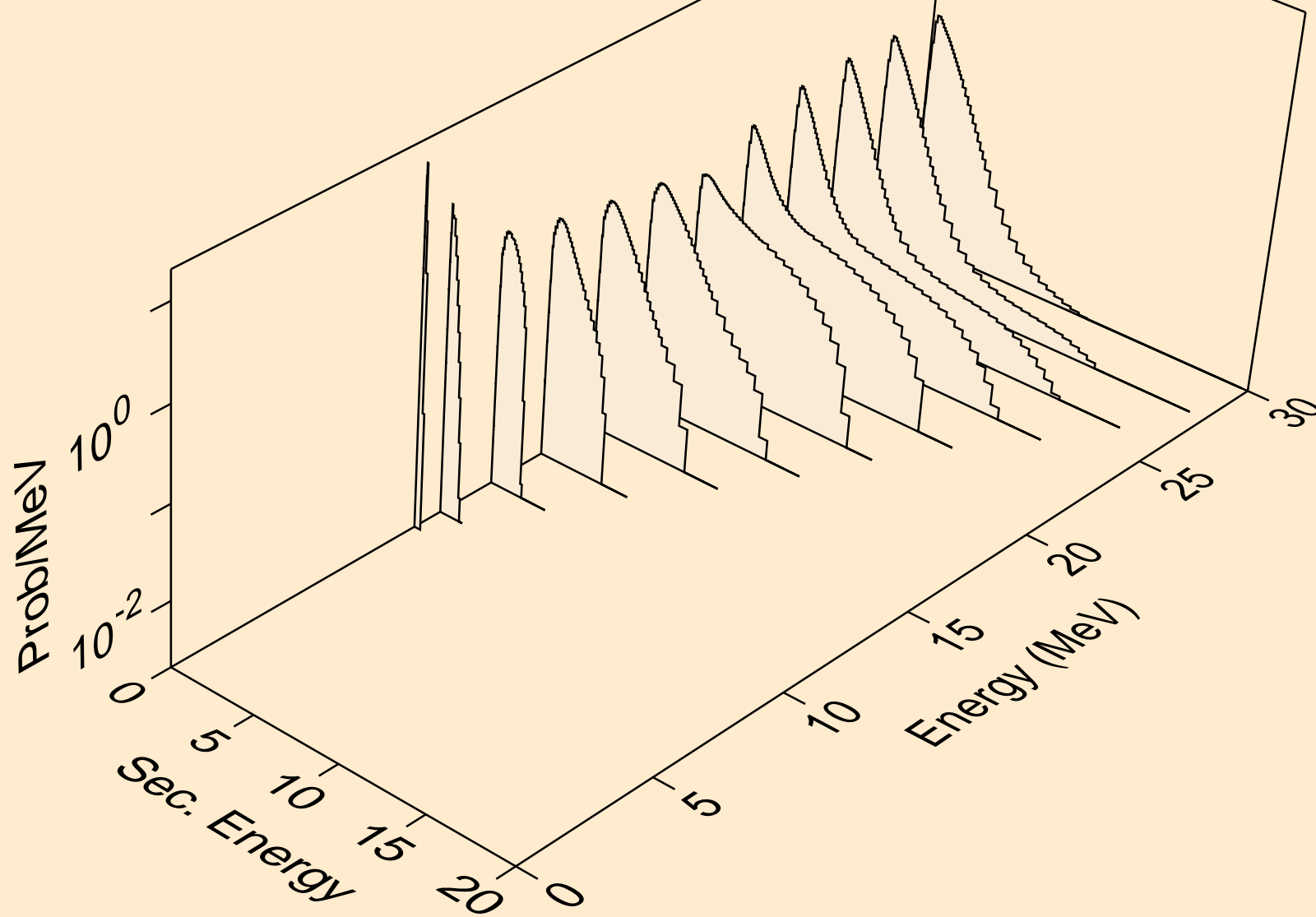
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



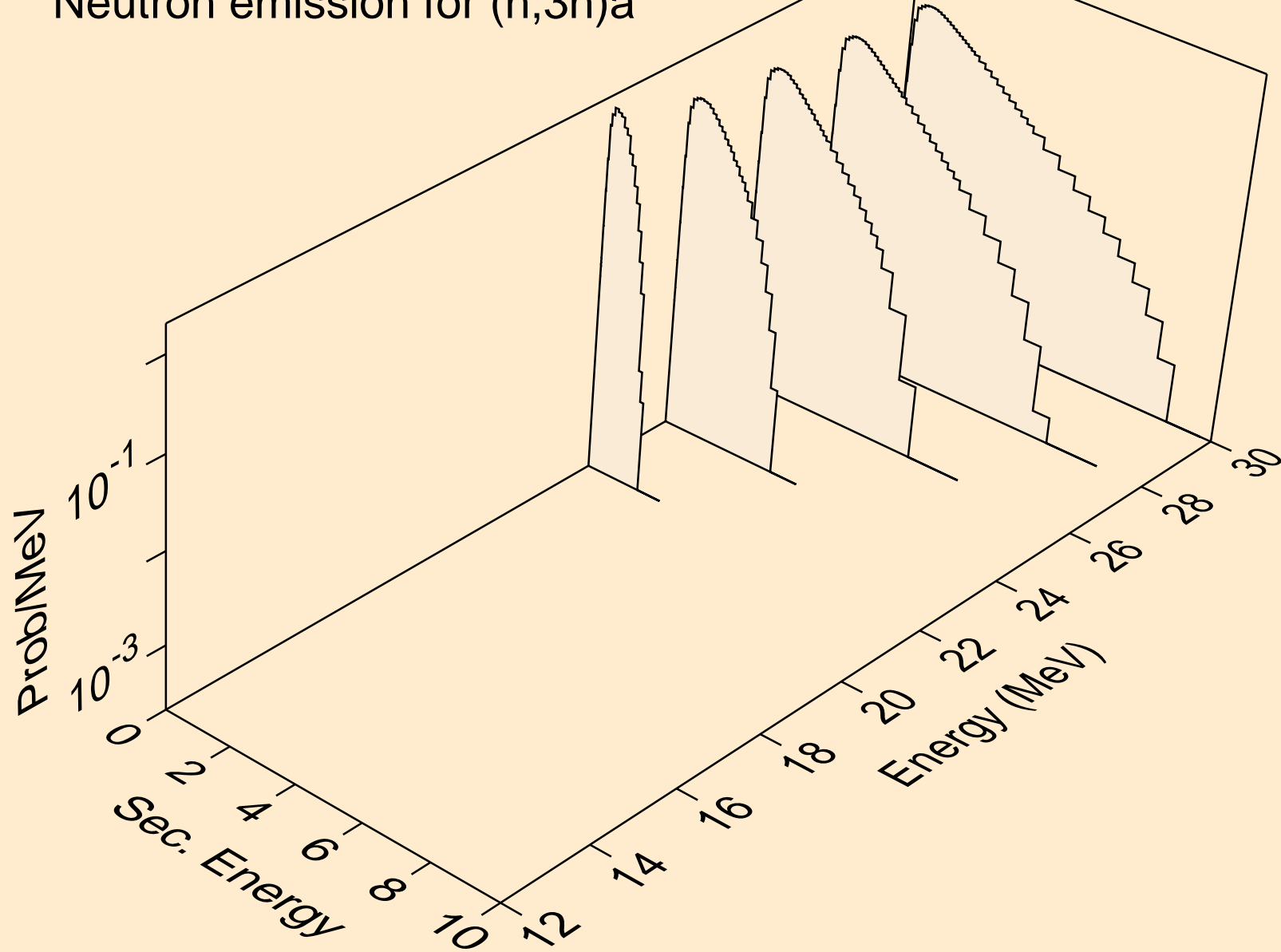
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)3a



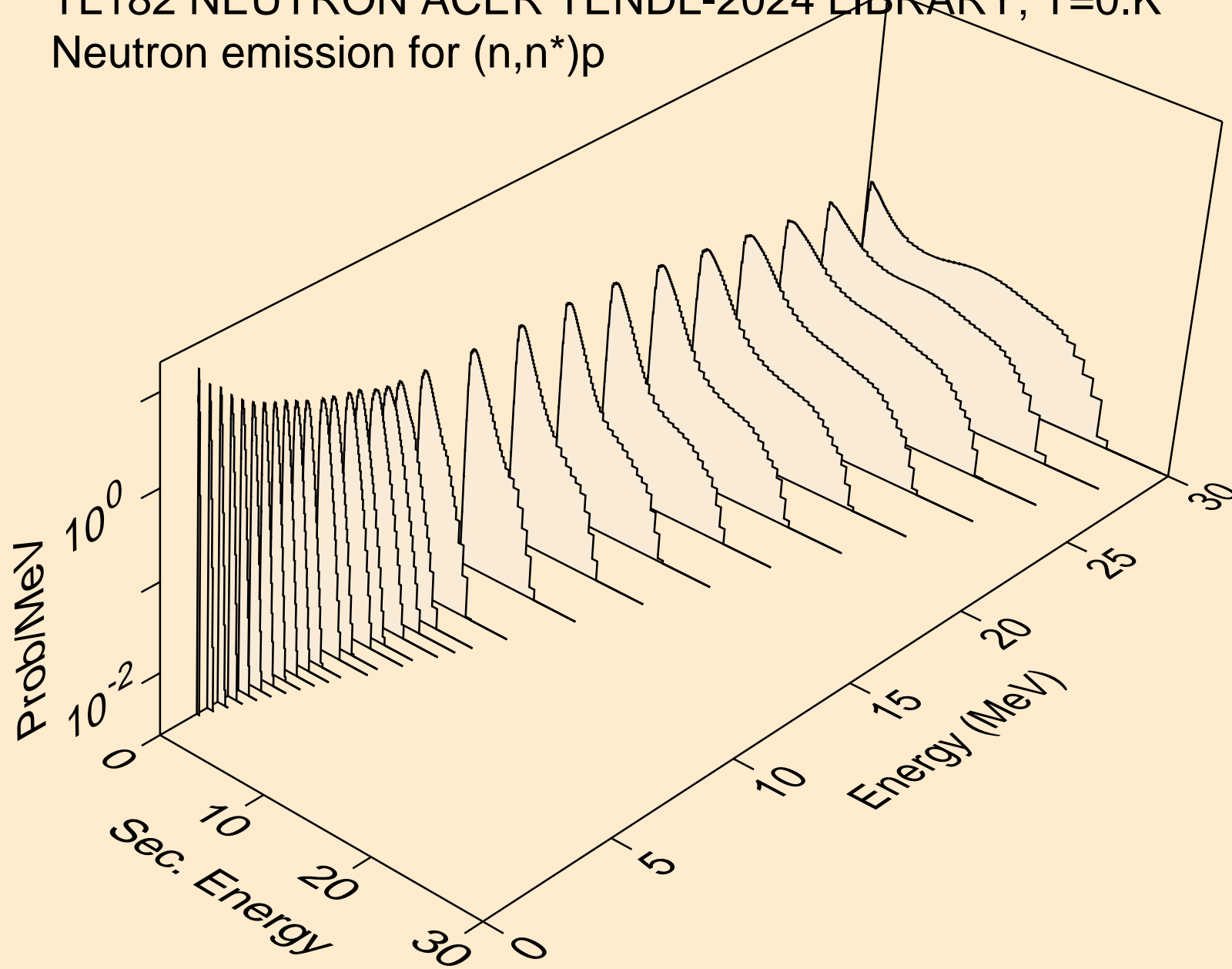
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a

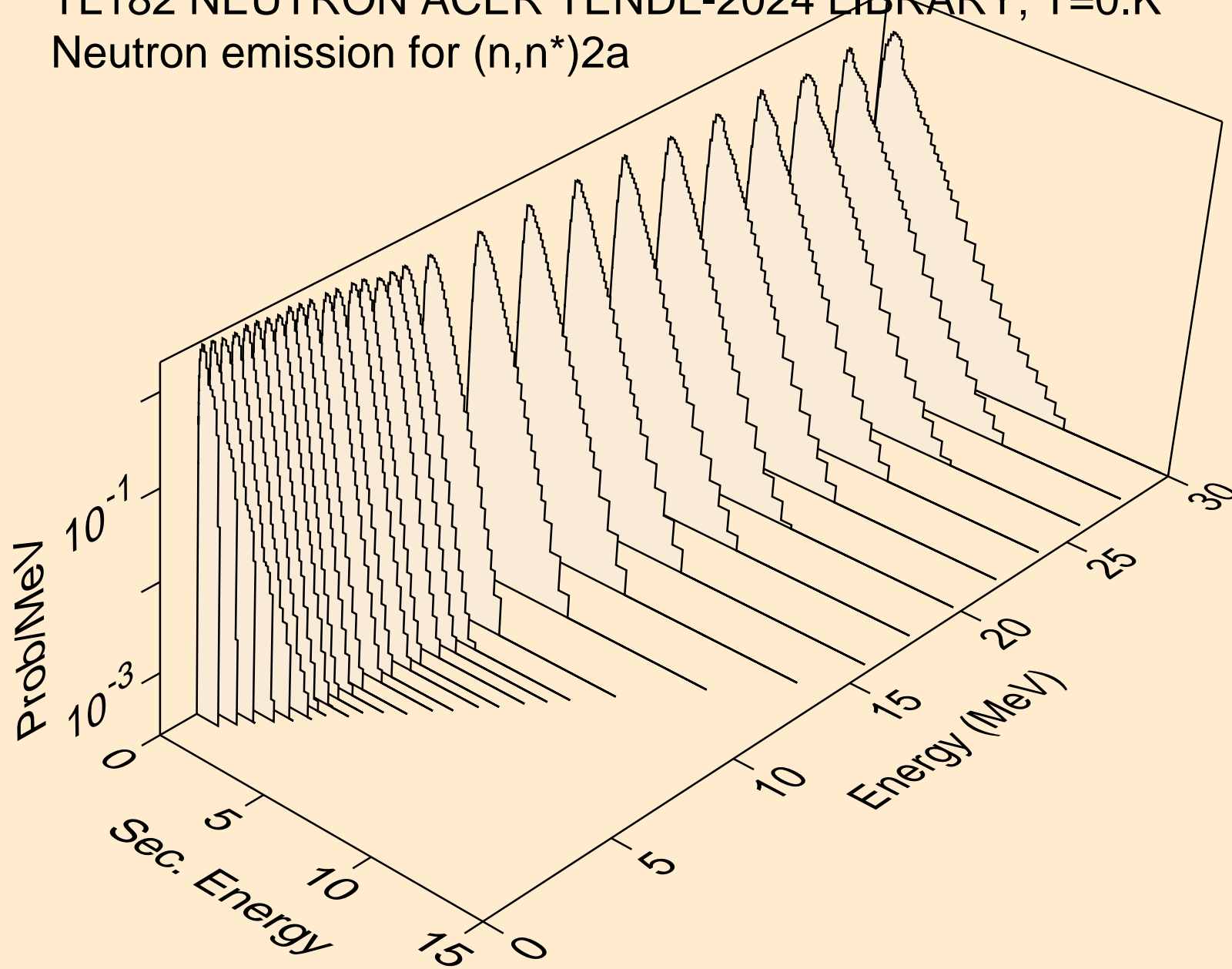


TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p

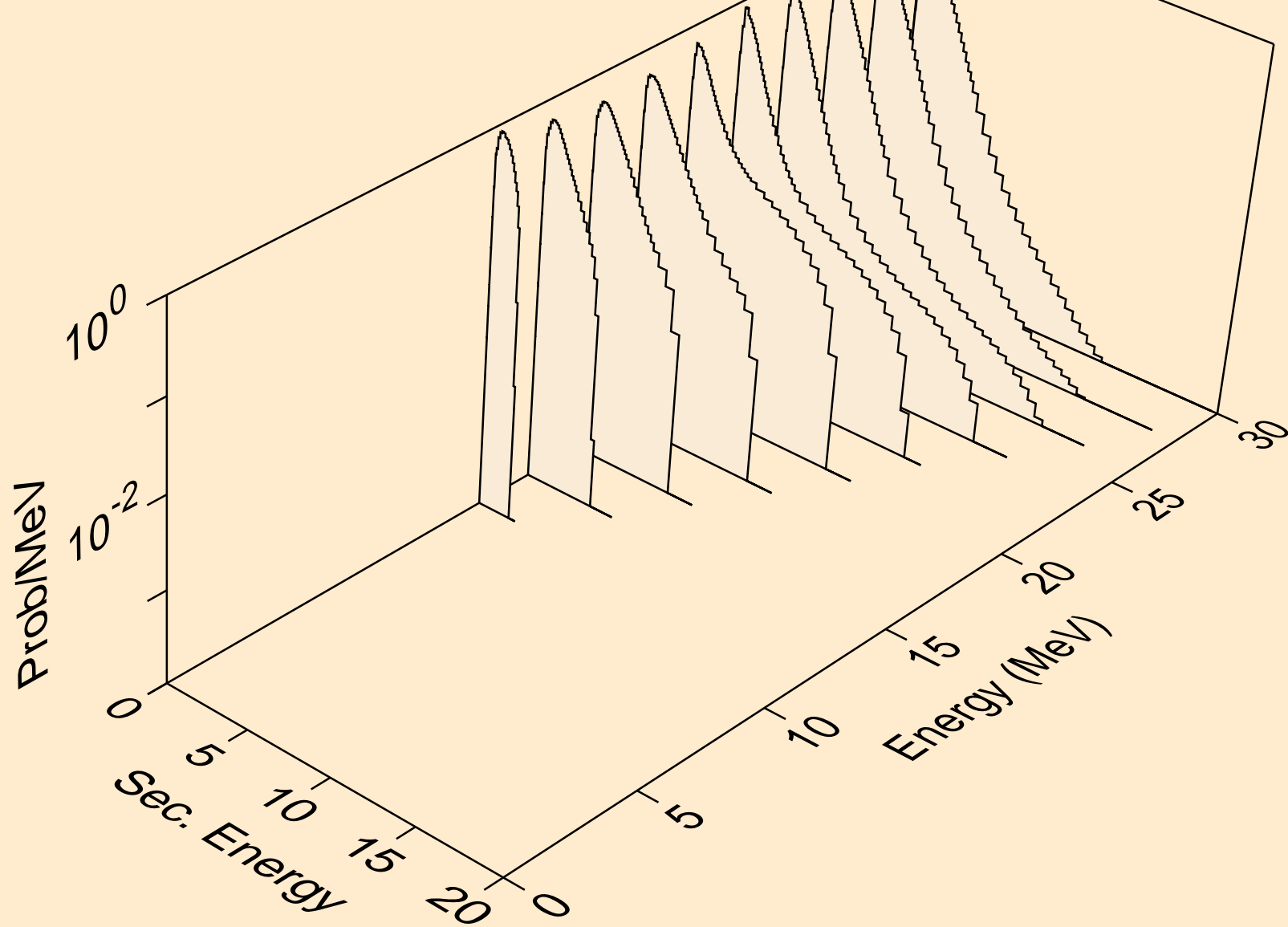




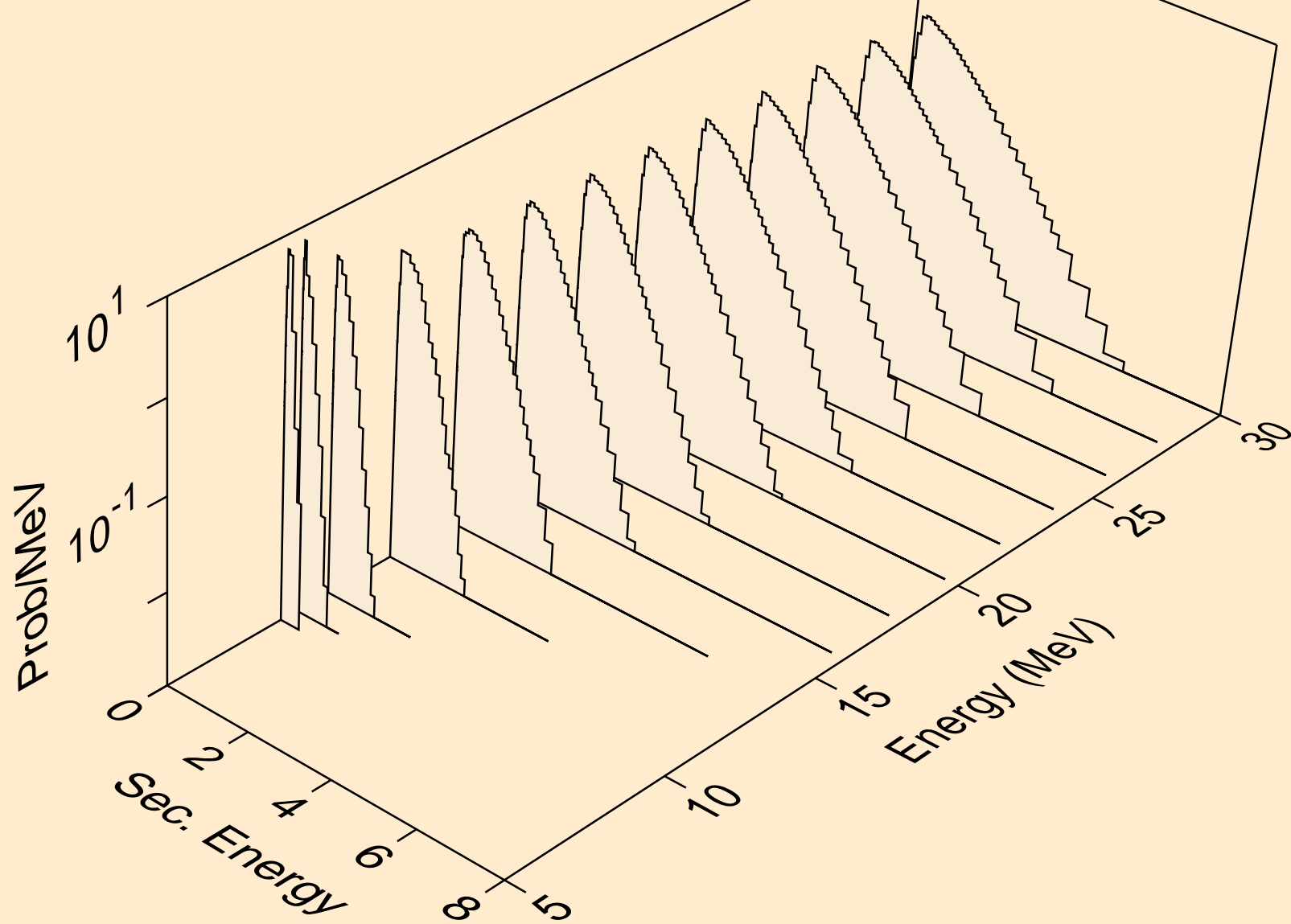
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Neutron emission for (n,n\*)2a



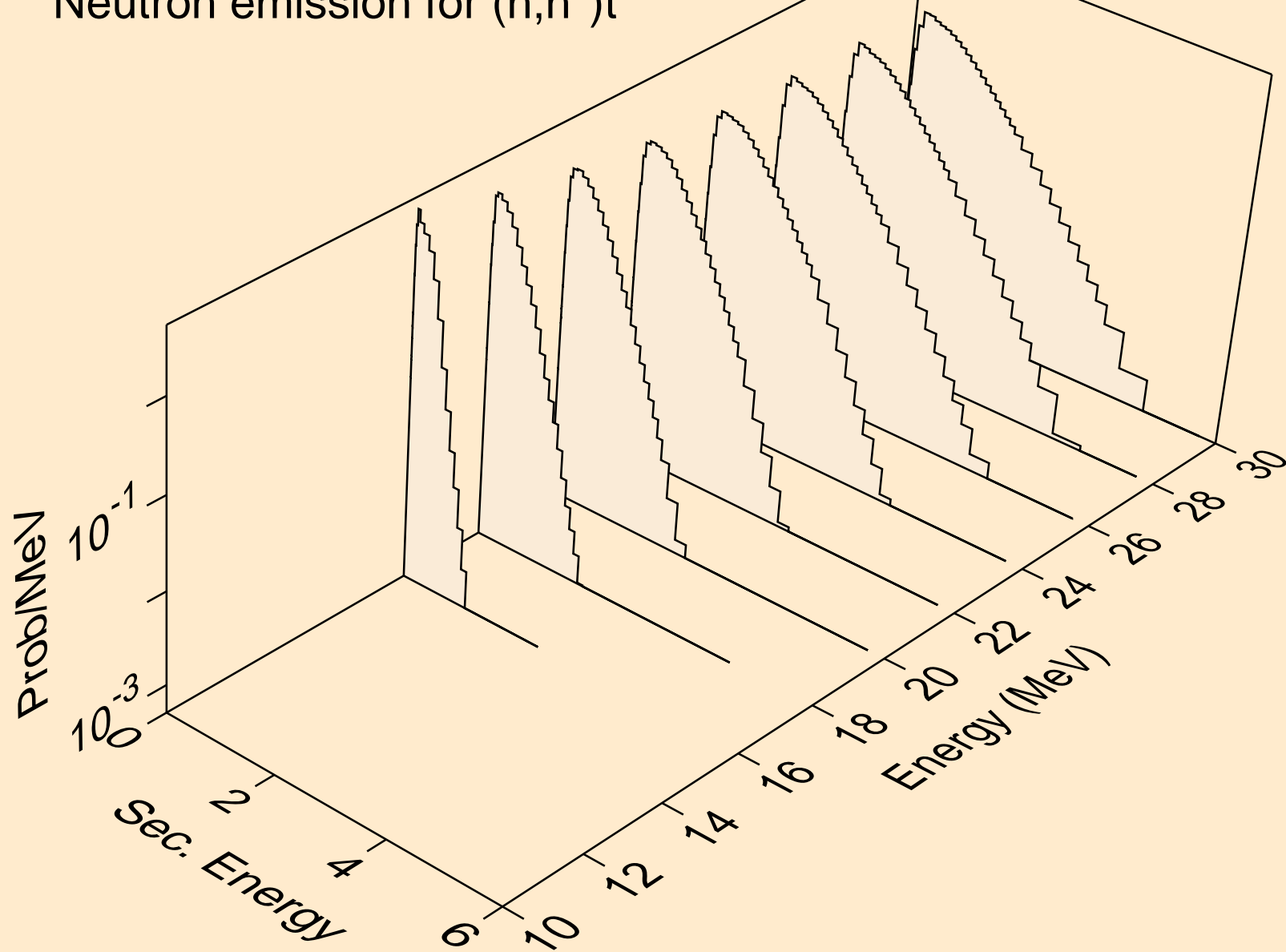
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a



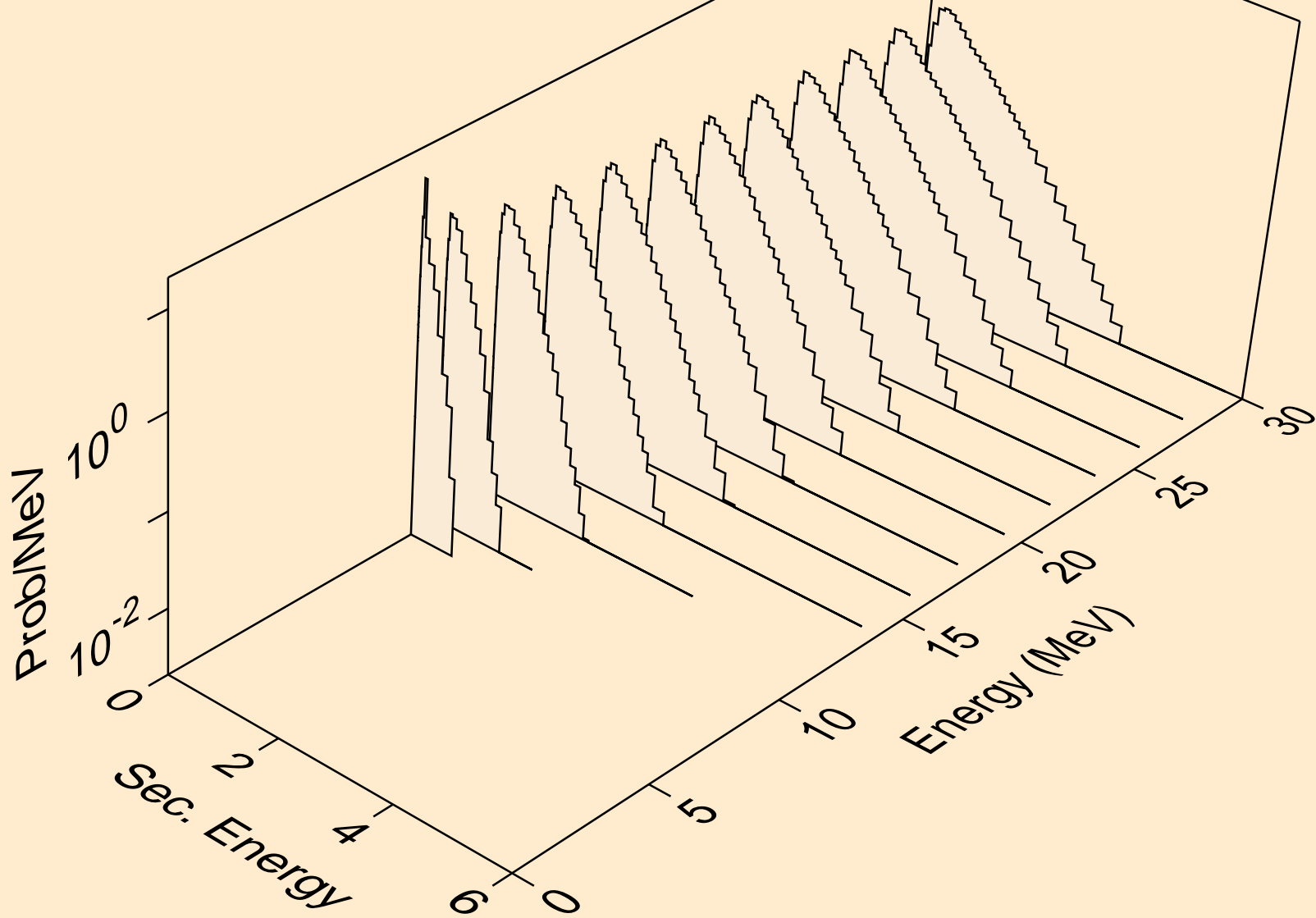
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Neutron emission for (n,n\*)d



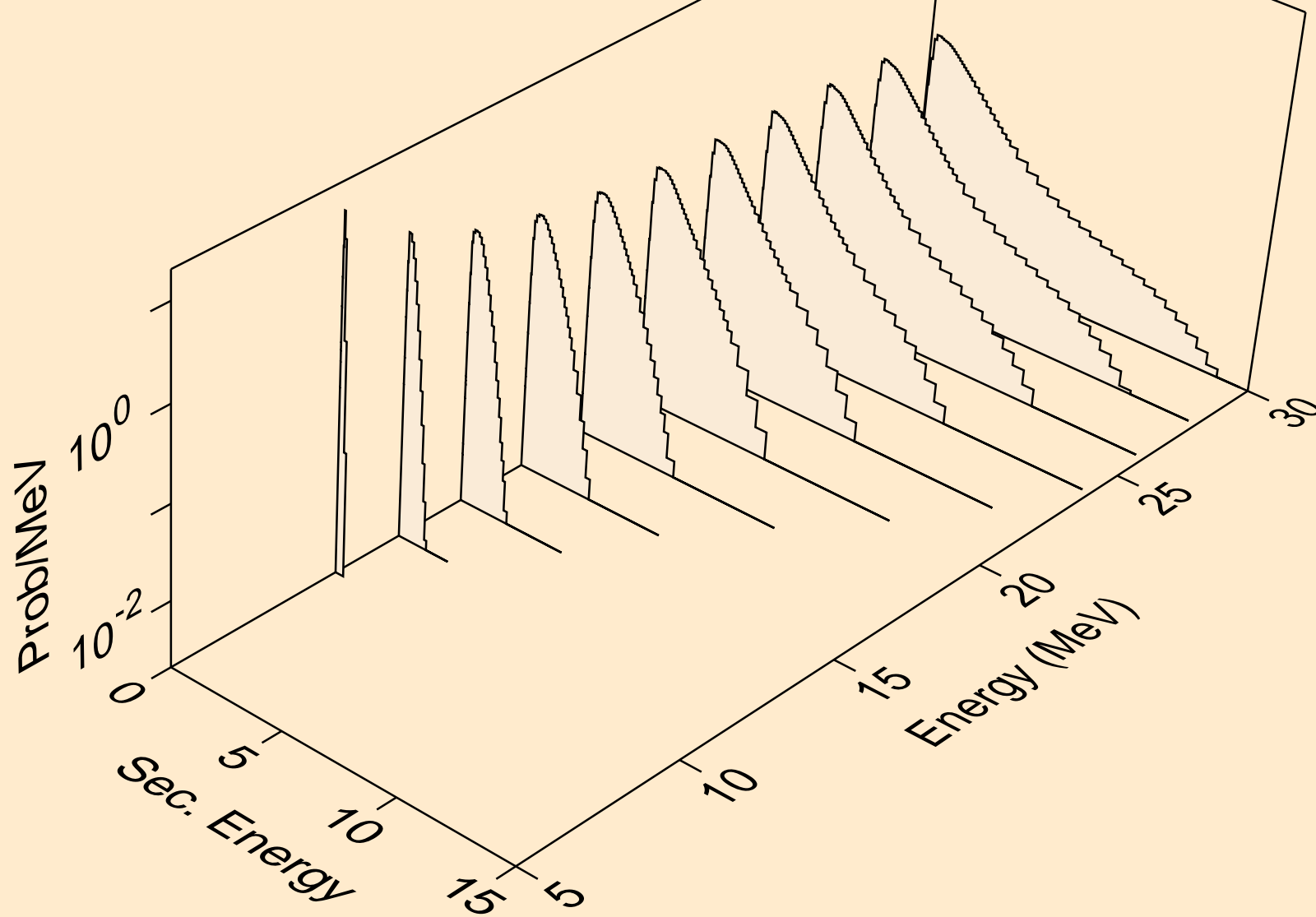
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Neutron emission for (n,n\*)t



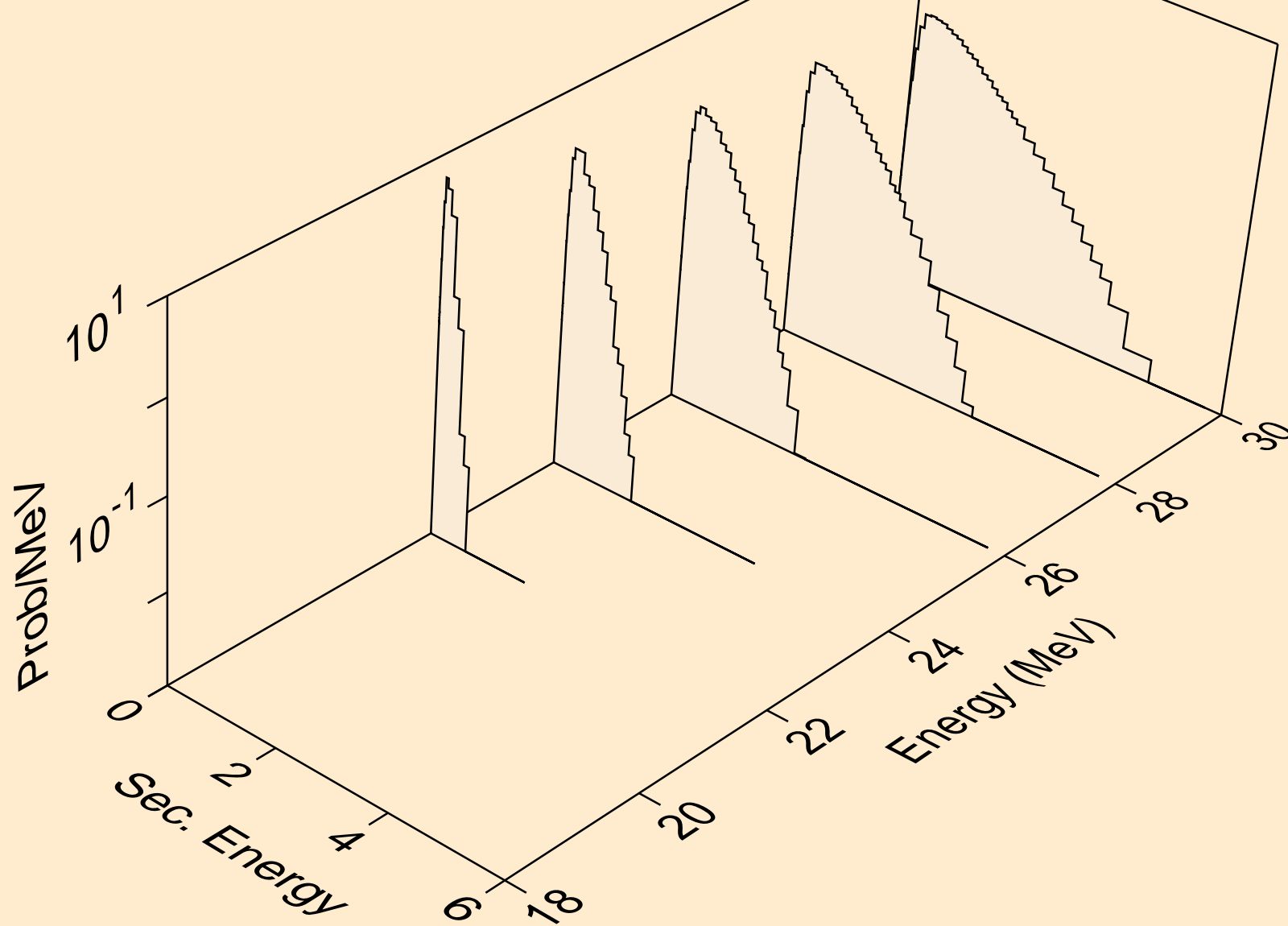
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Neutron emission for (n,n\*)he3



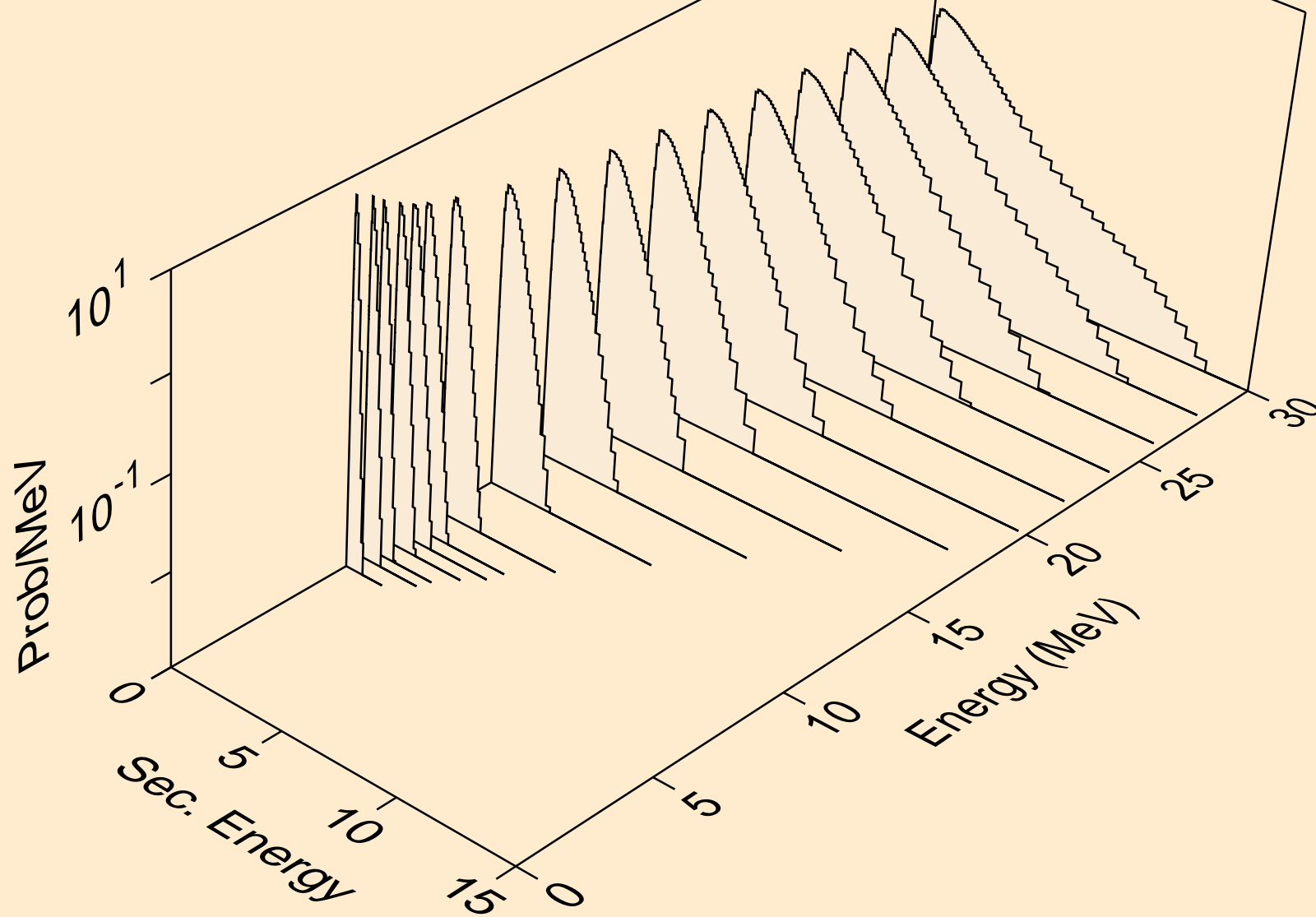
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)

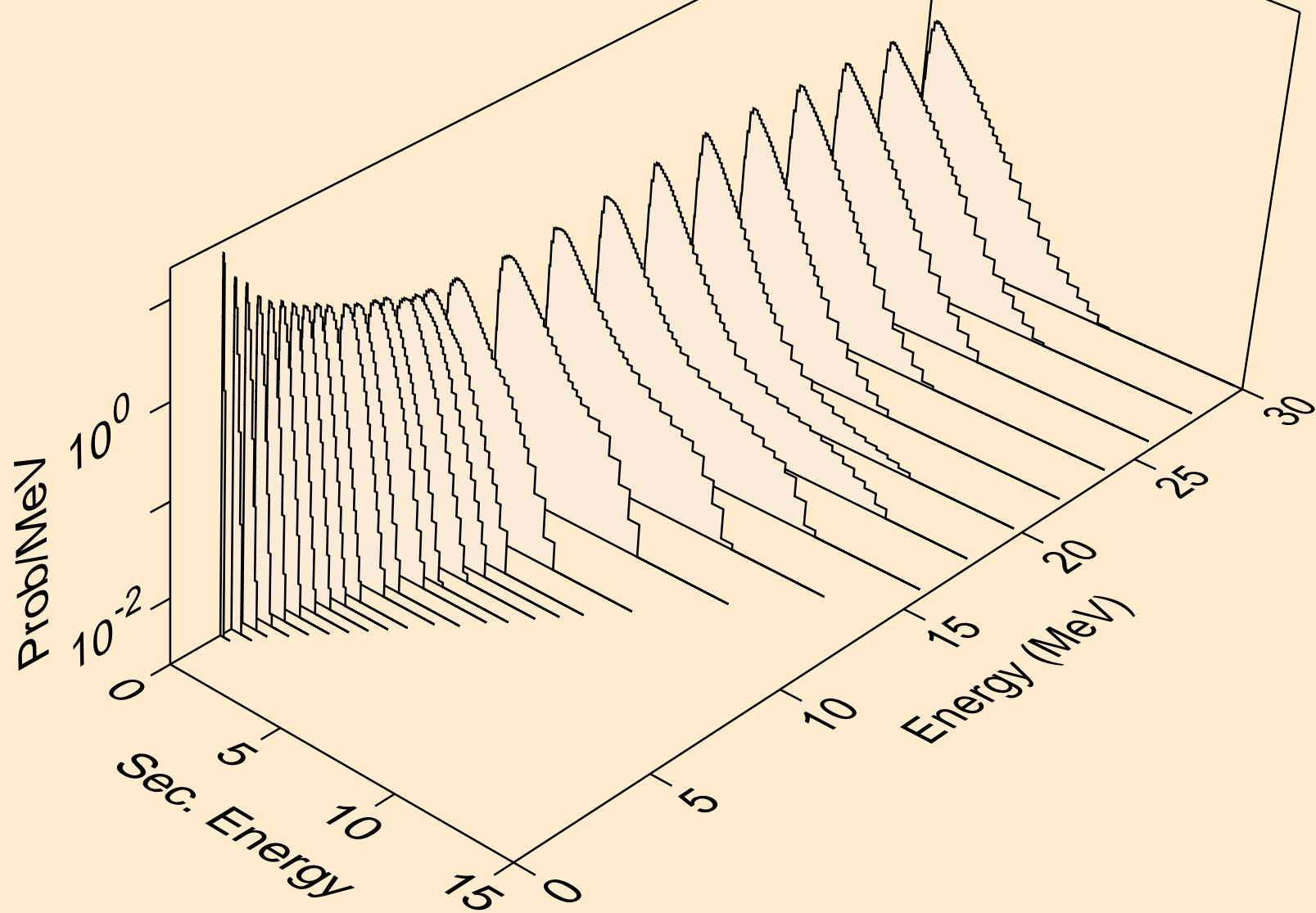


TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)

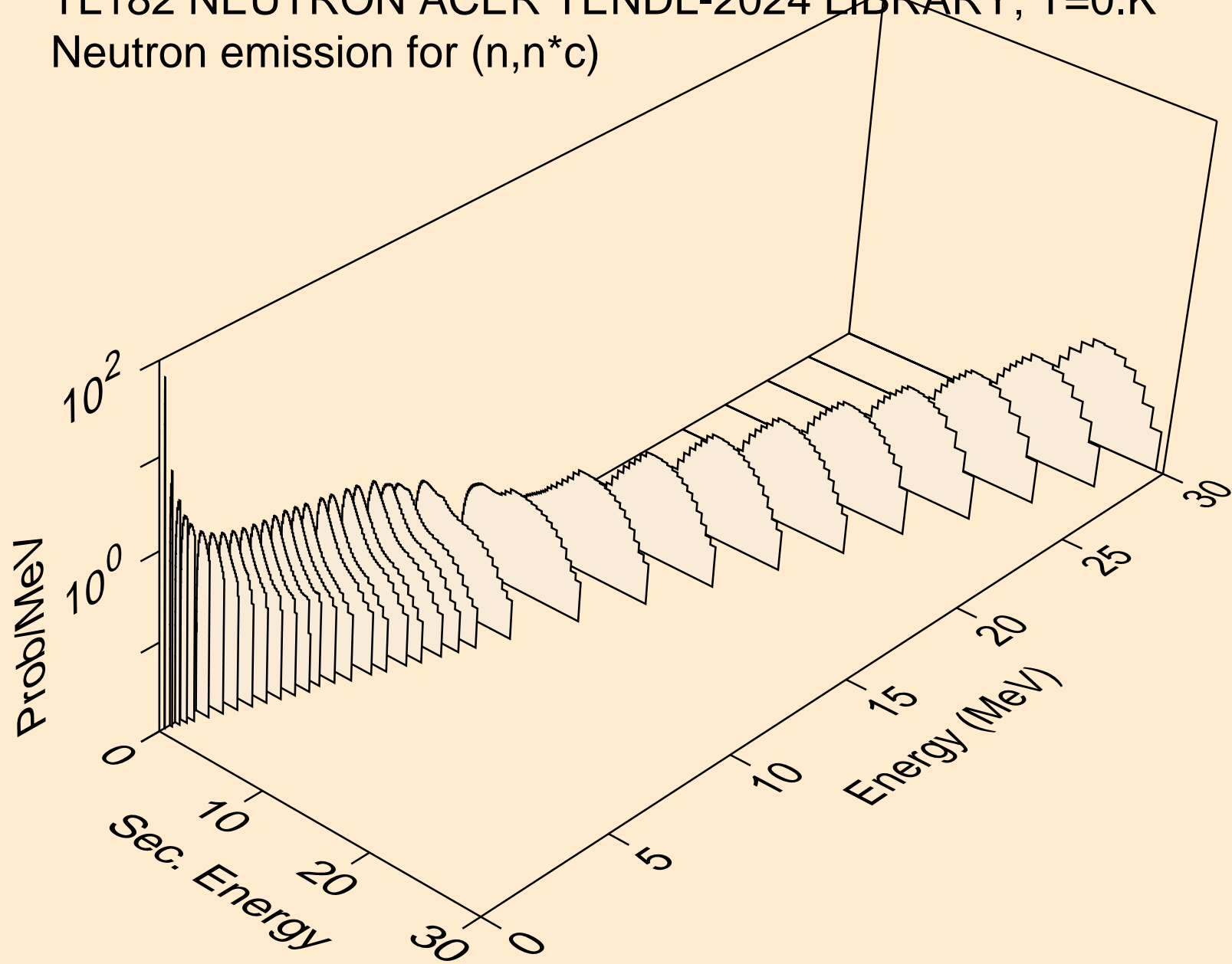




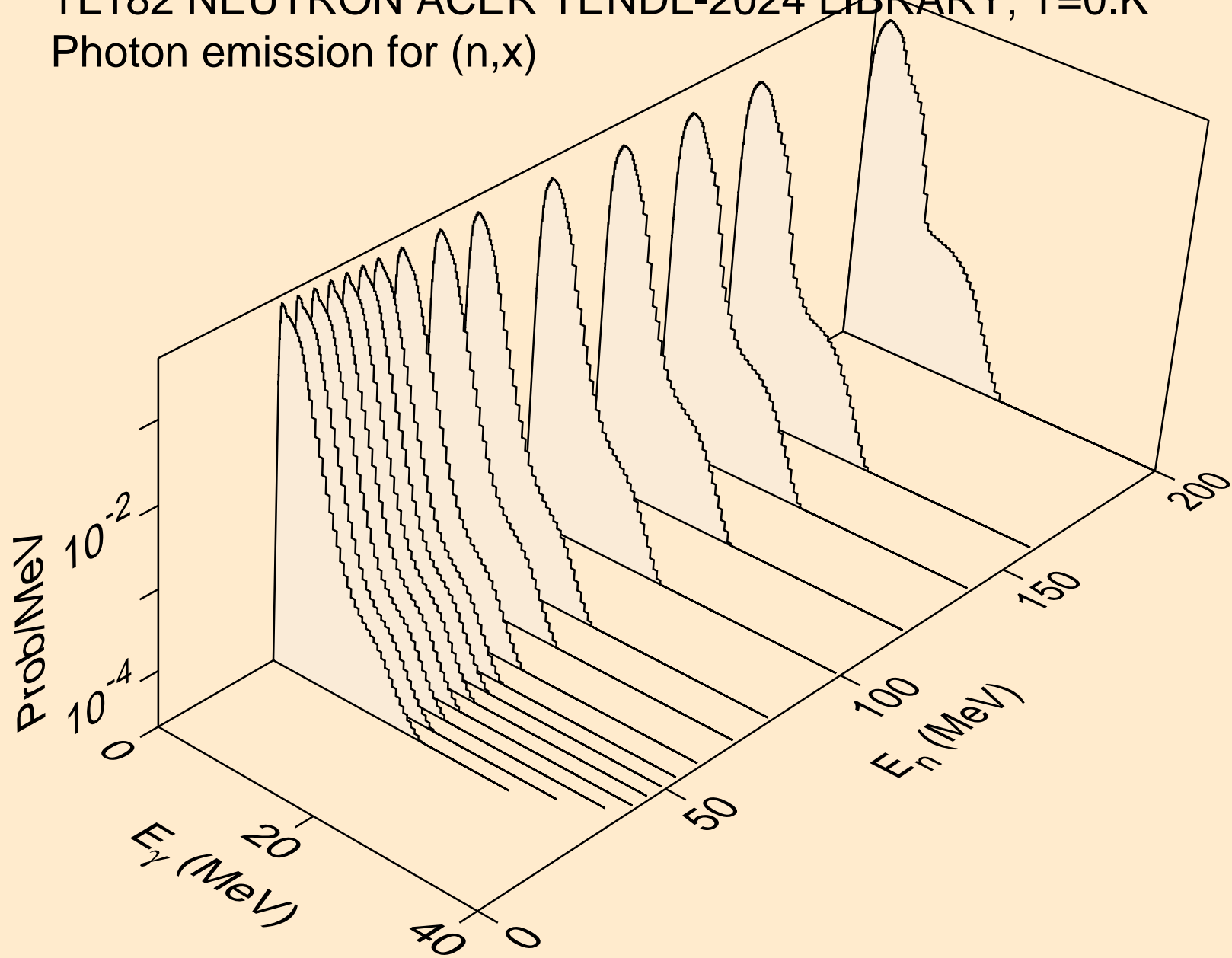
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)



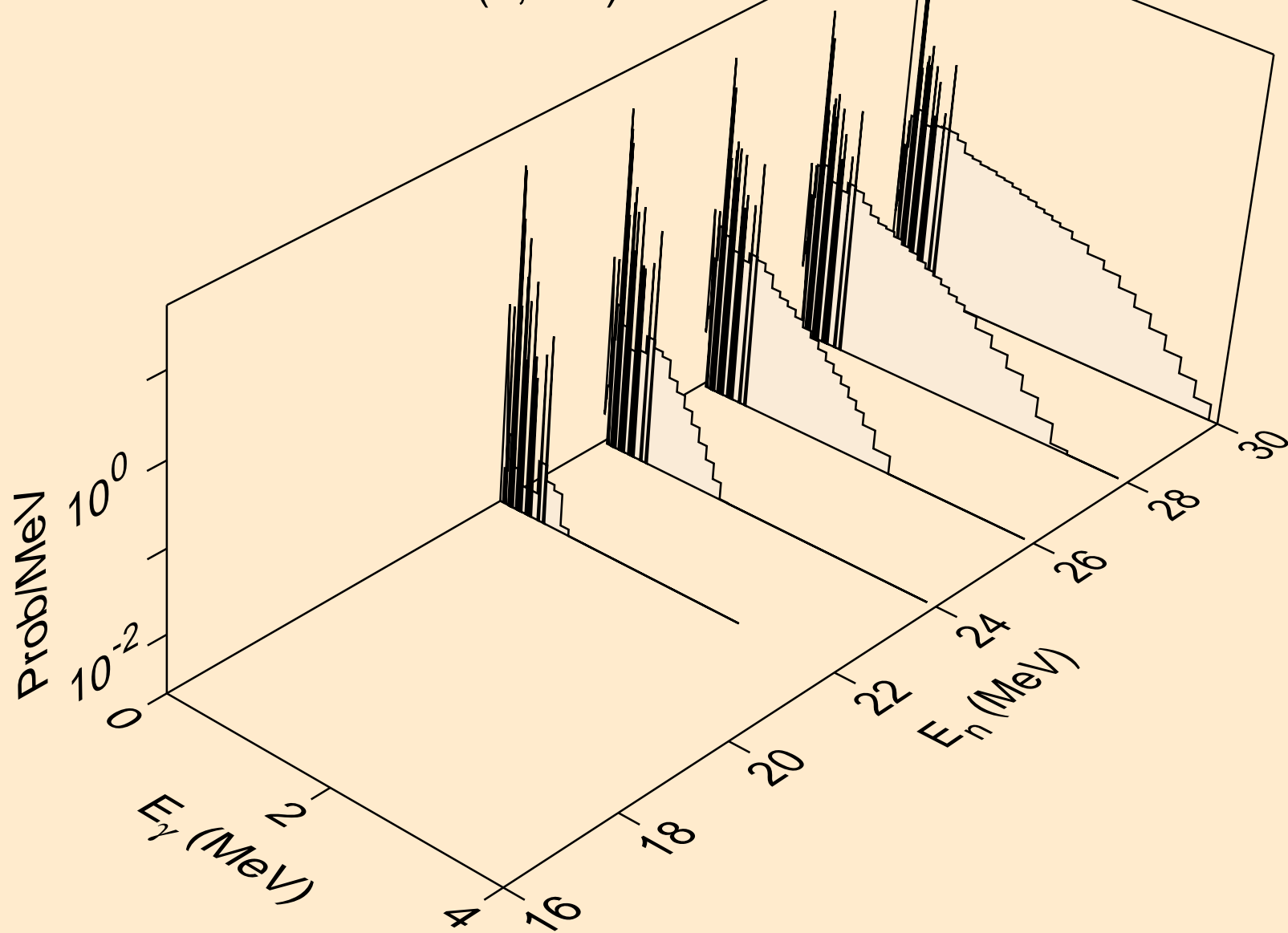
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Neutron emission for (n,n\*c)



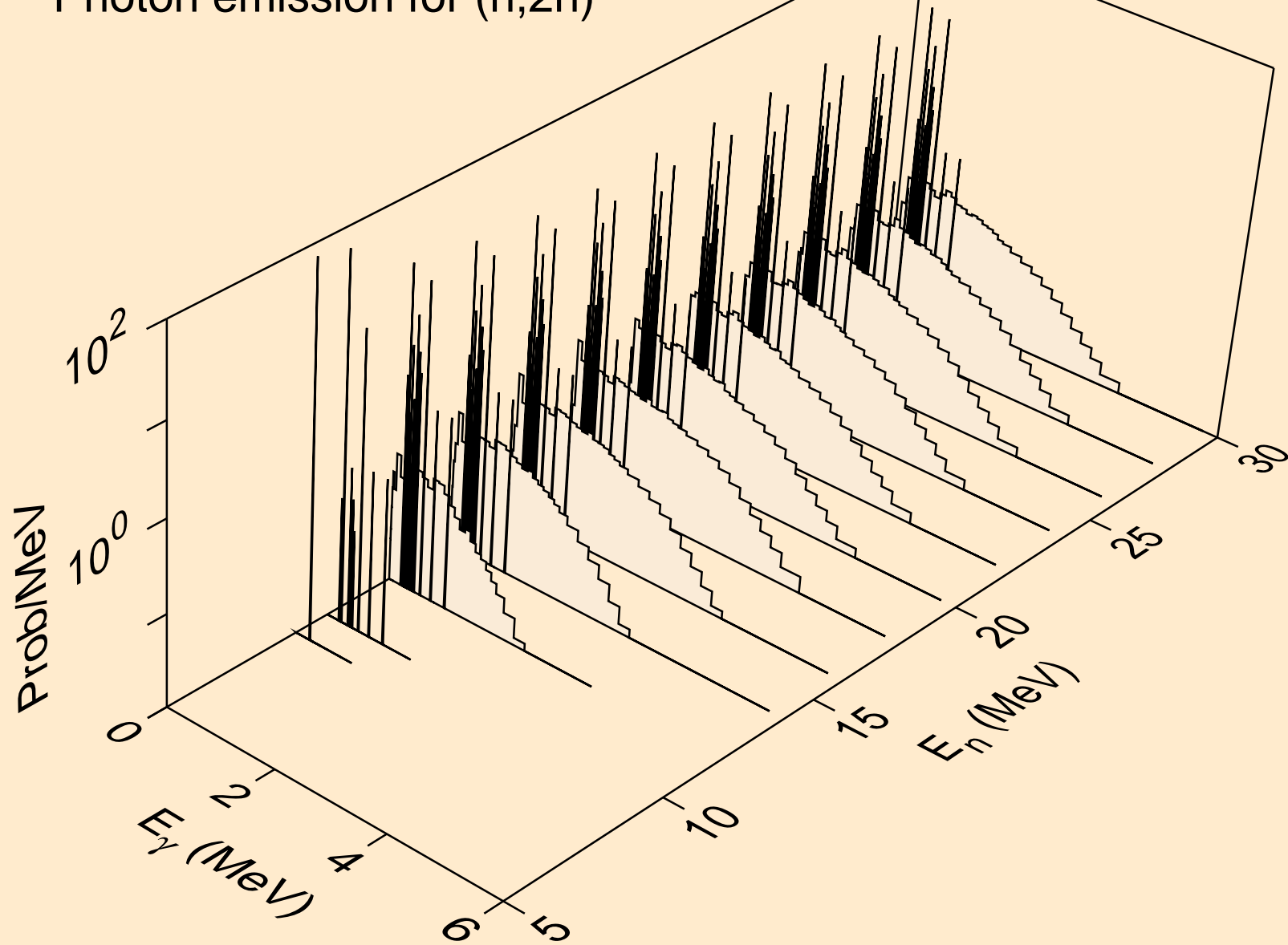
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



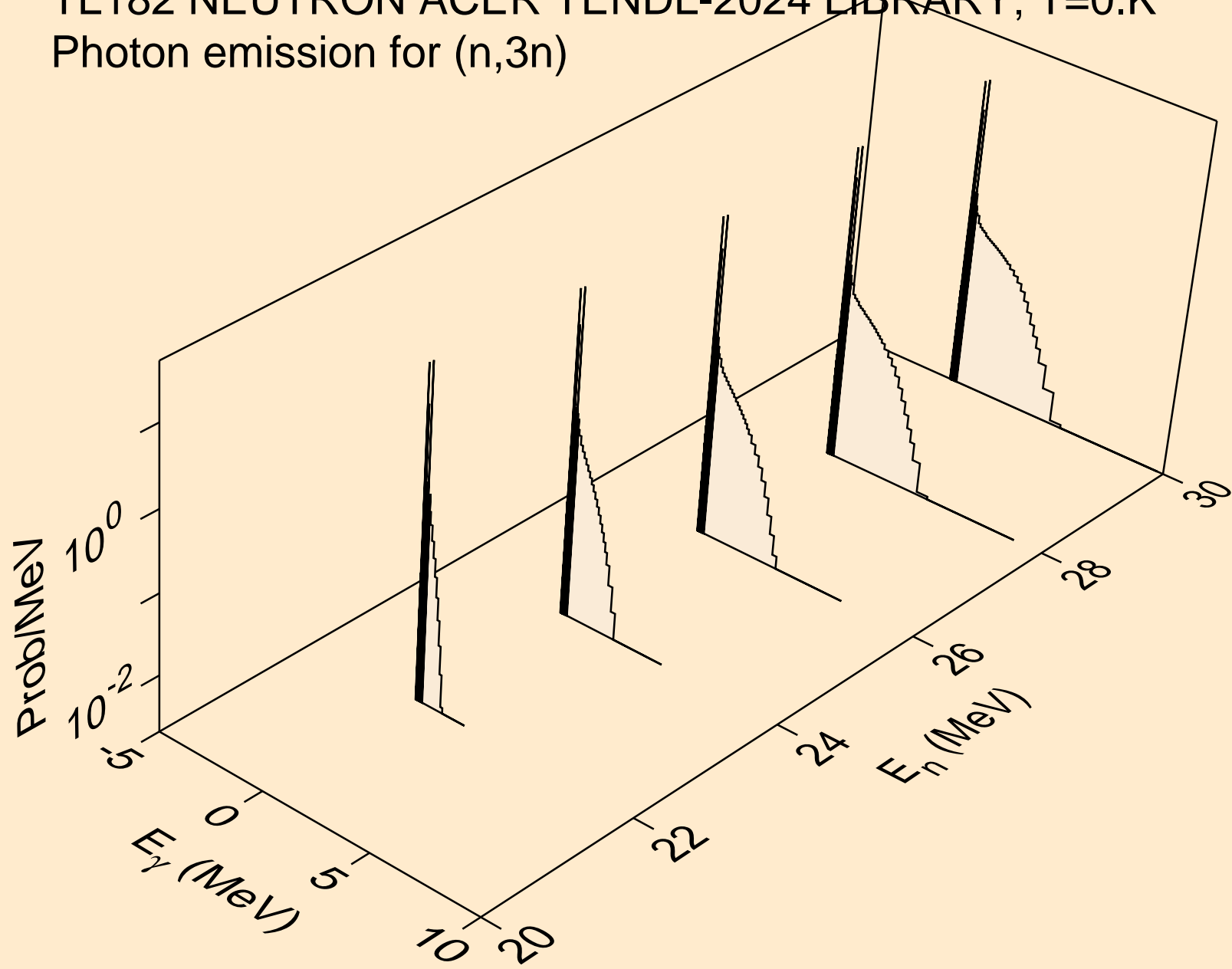
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



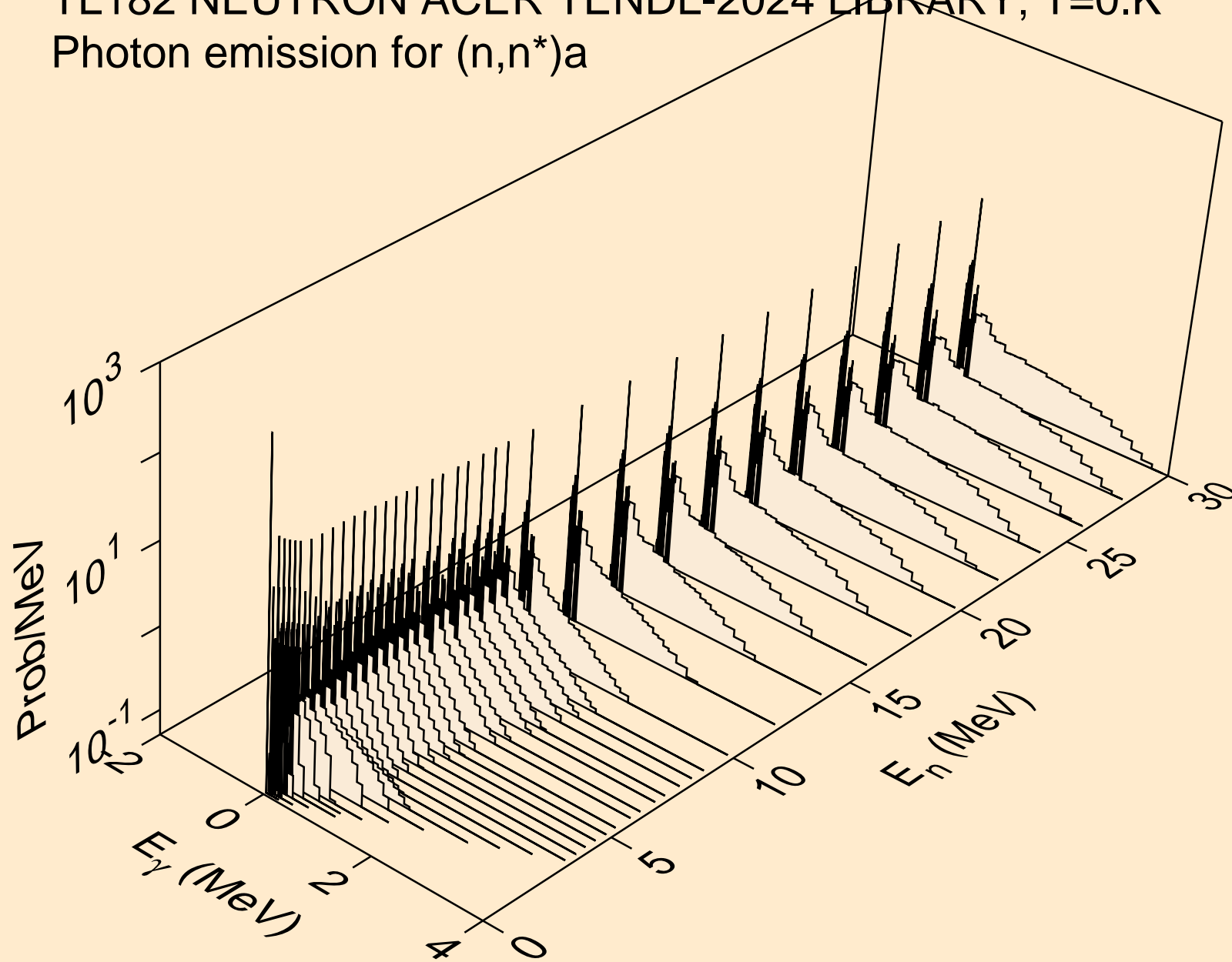
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



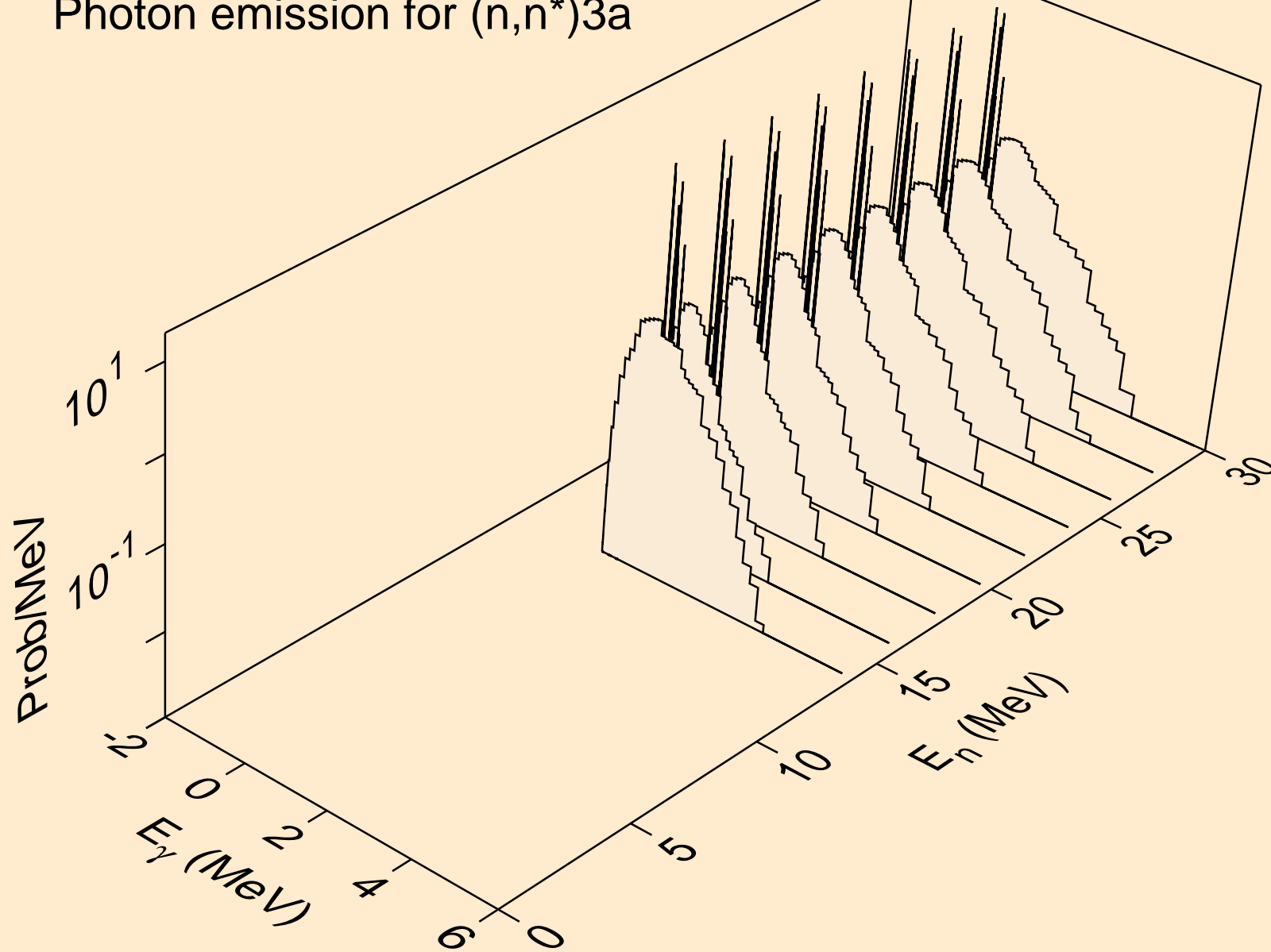
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

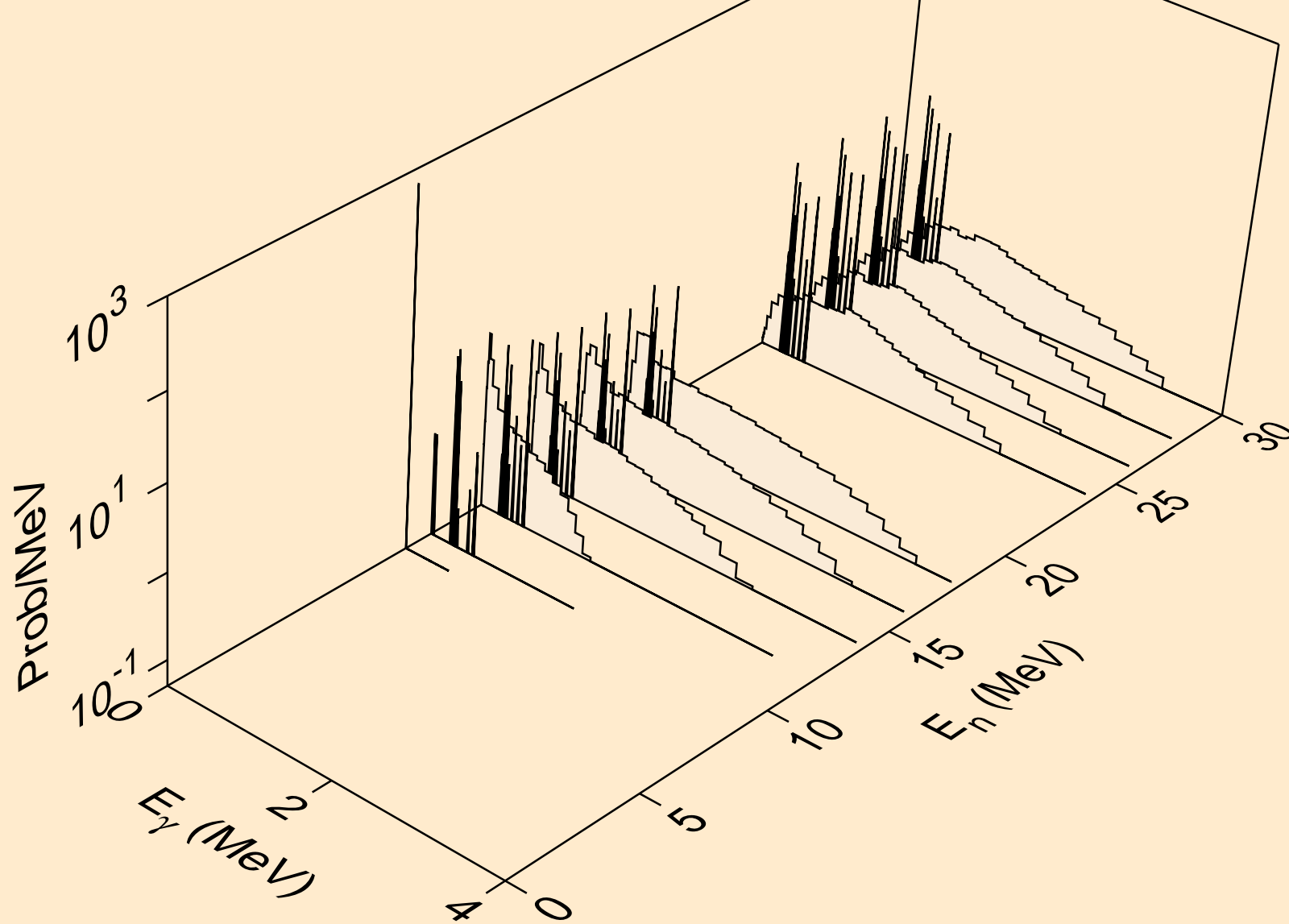


TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)3a

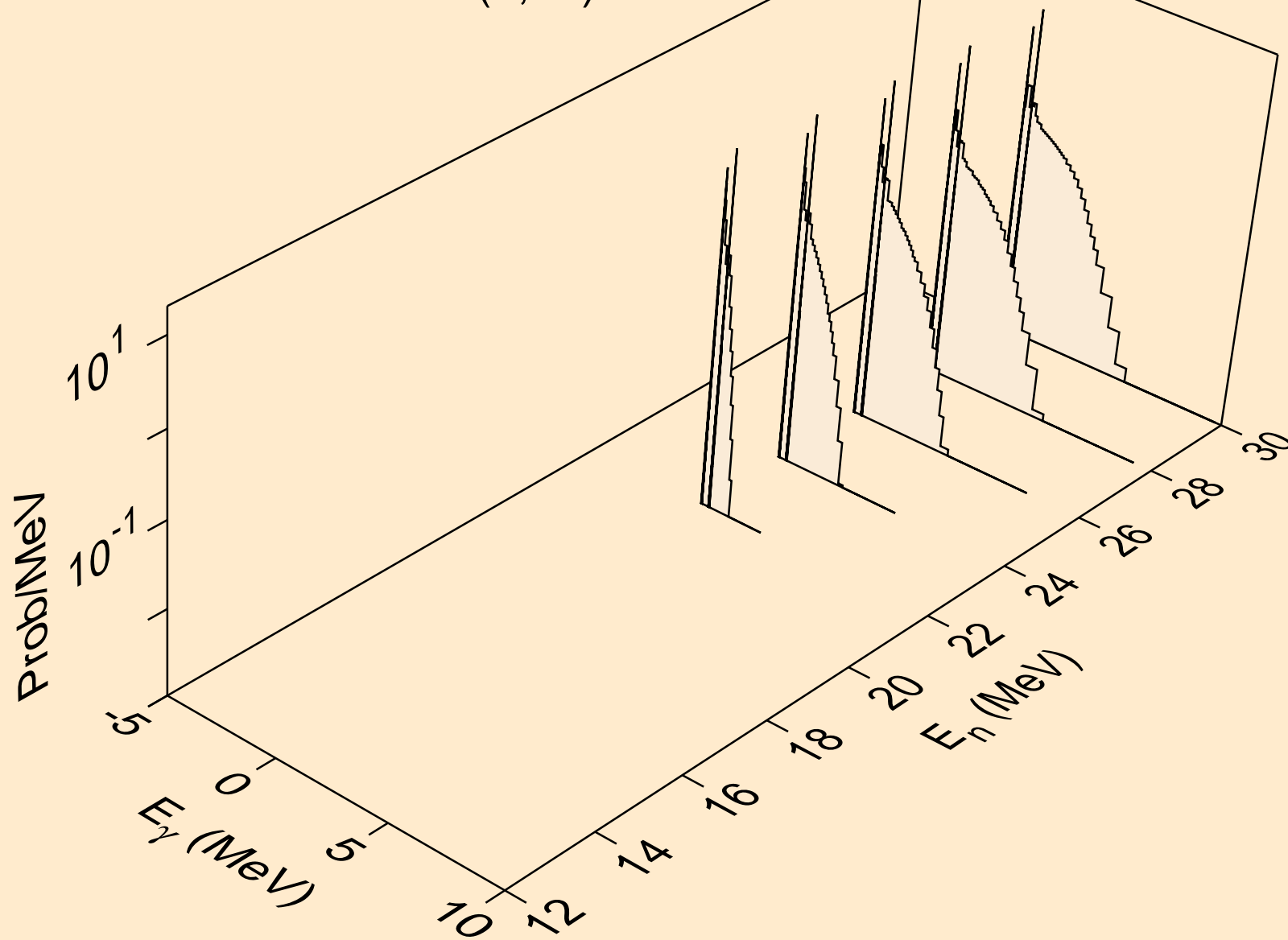




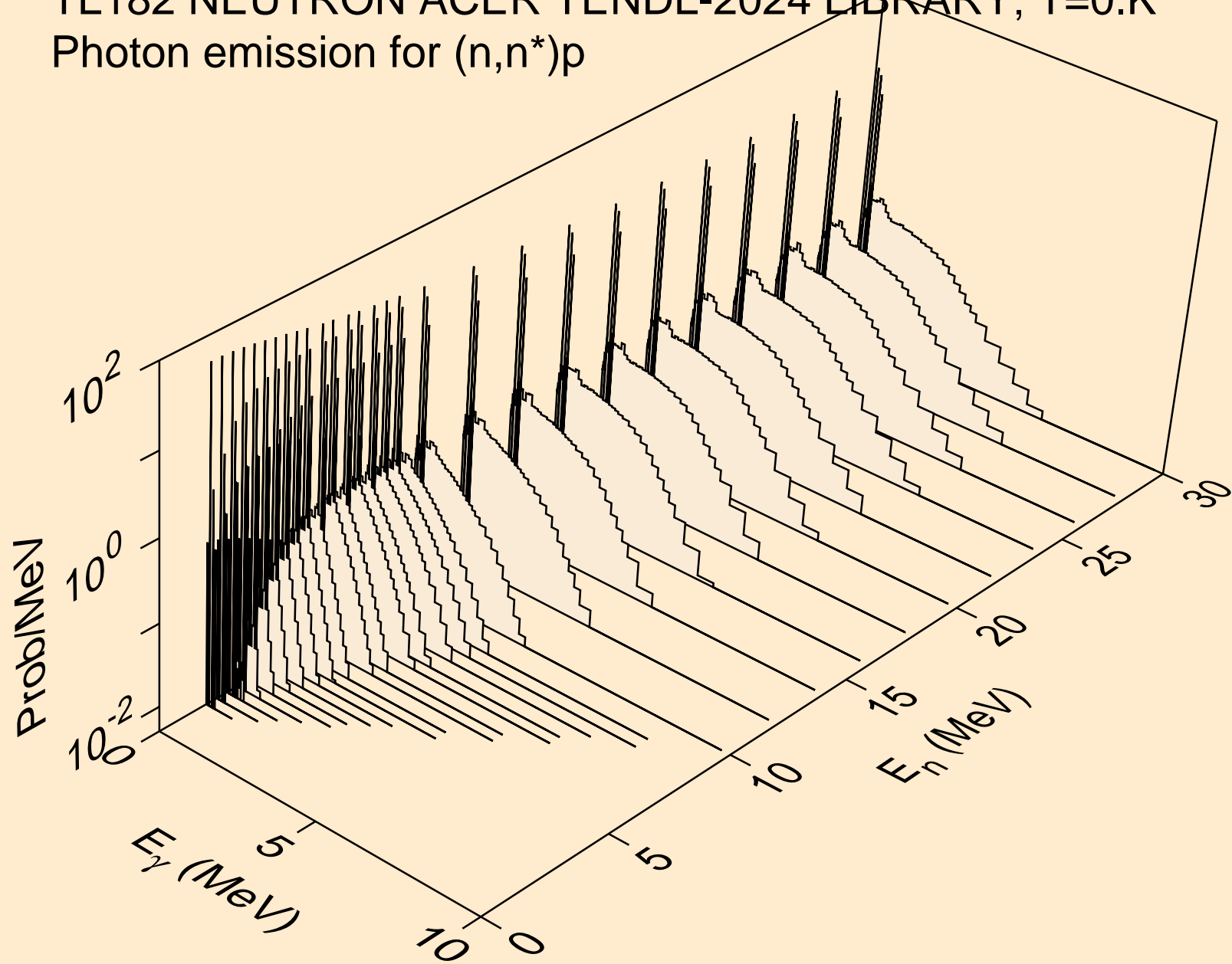
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



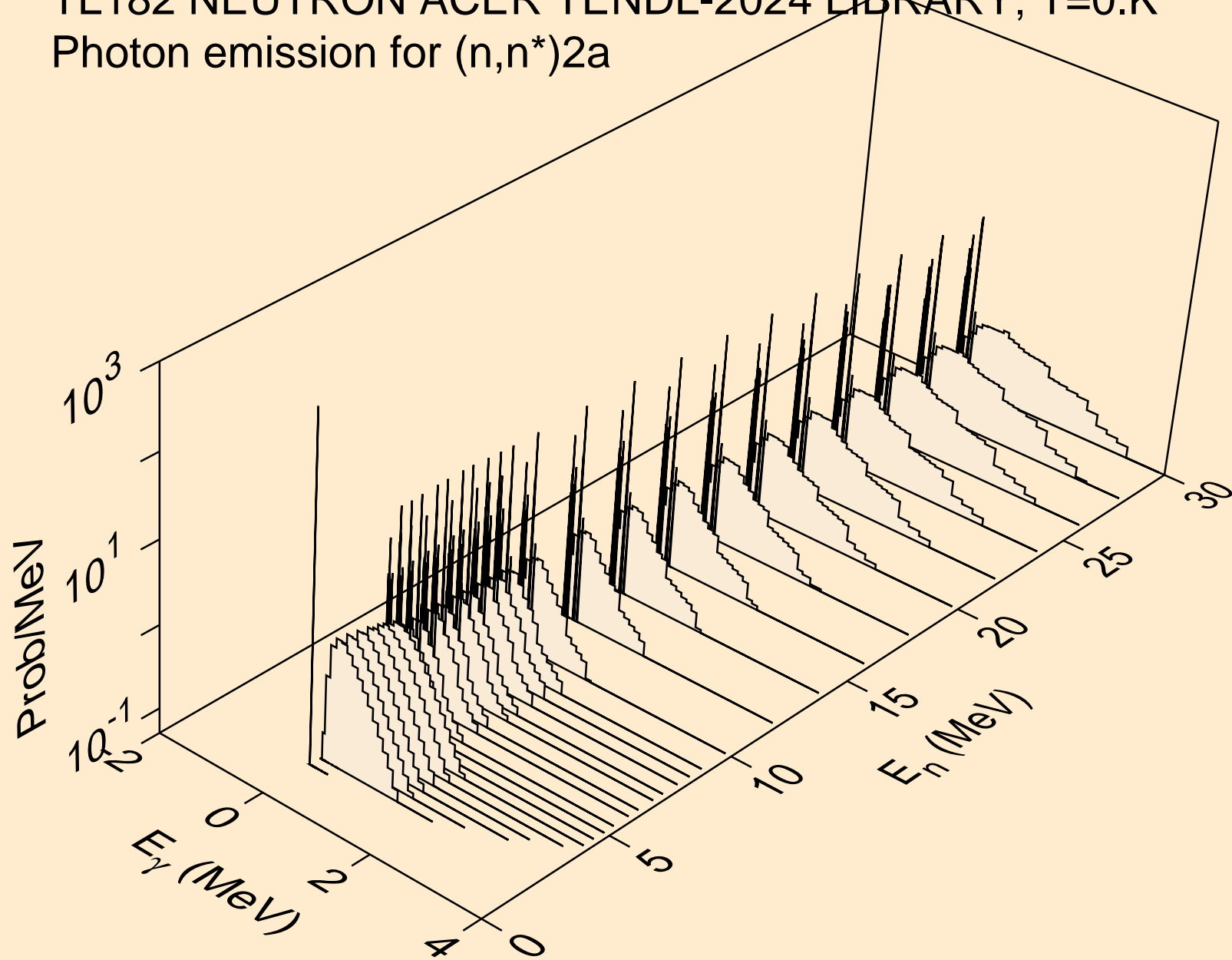
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Photon emission for (n,3n)a



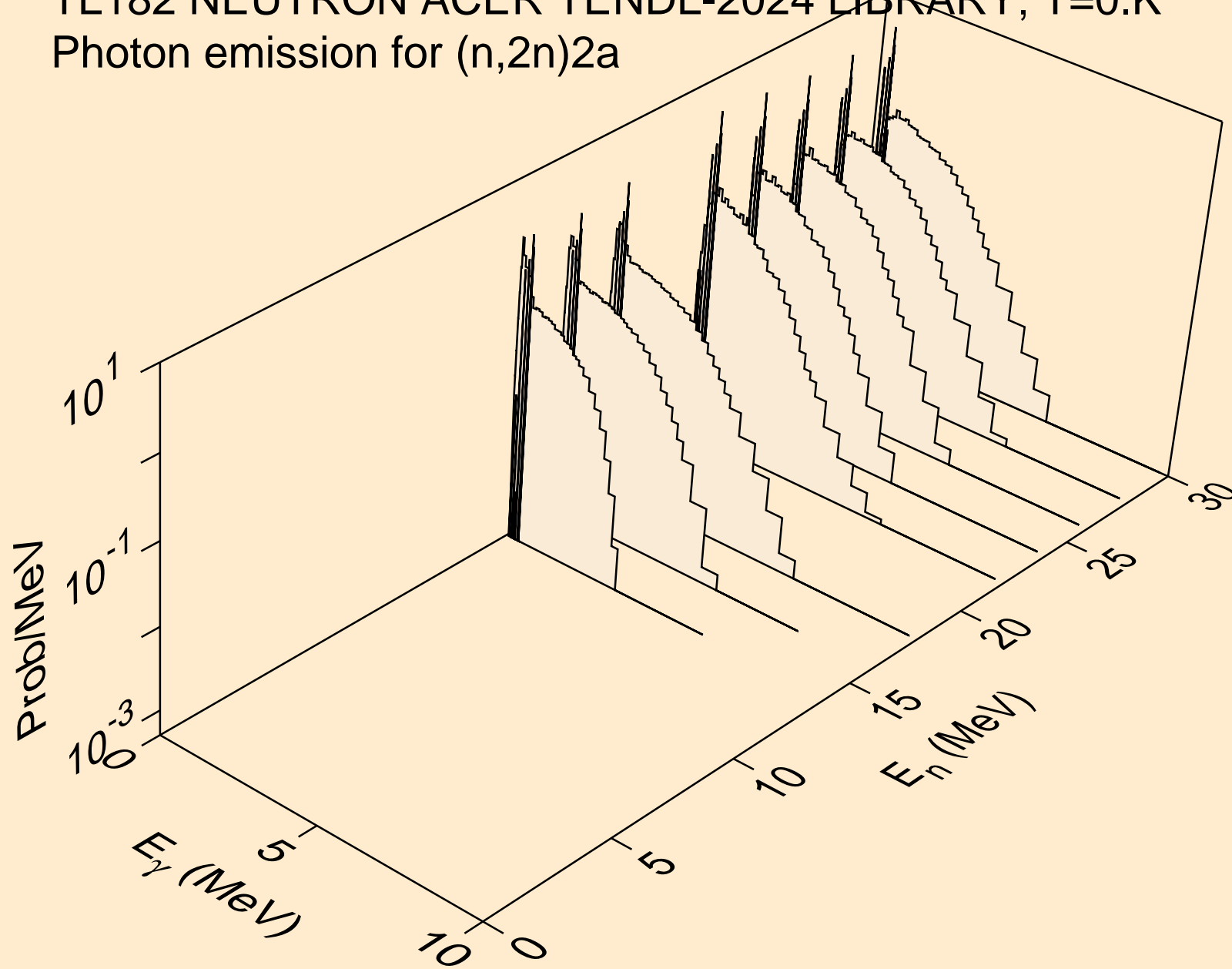
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



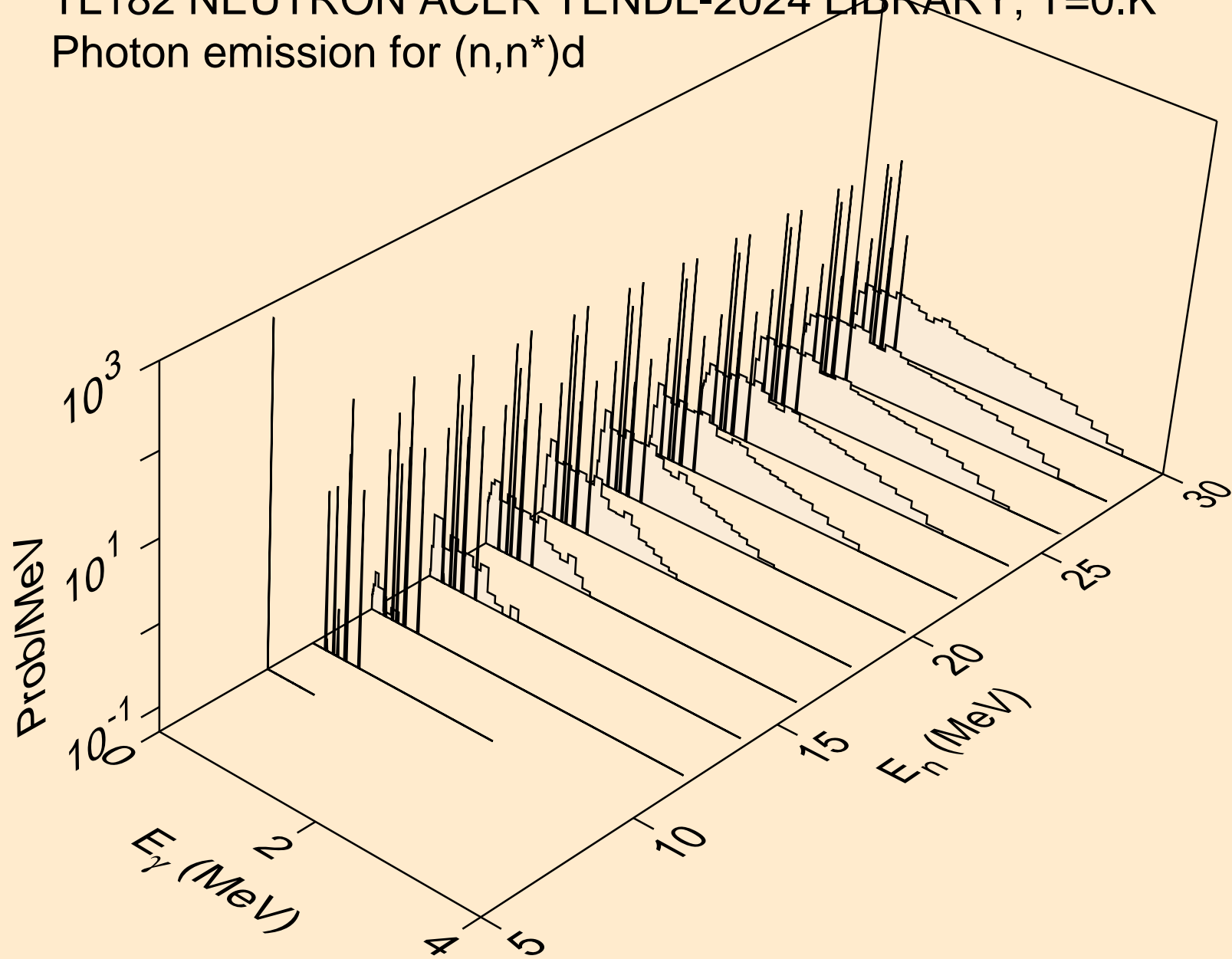
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



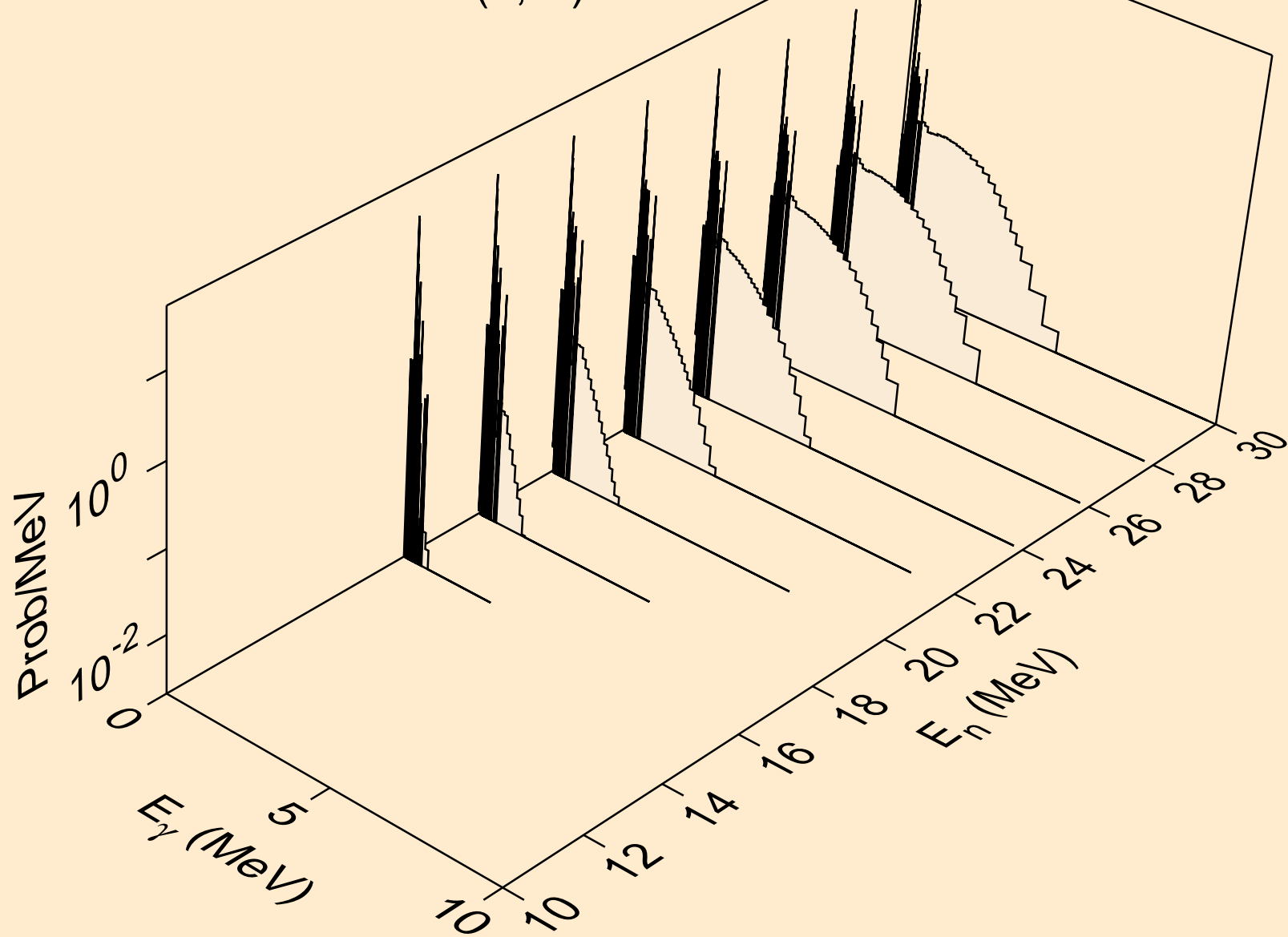
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Photon emission for (n,2n)2a



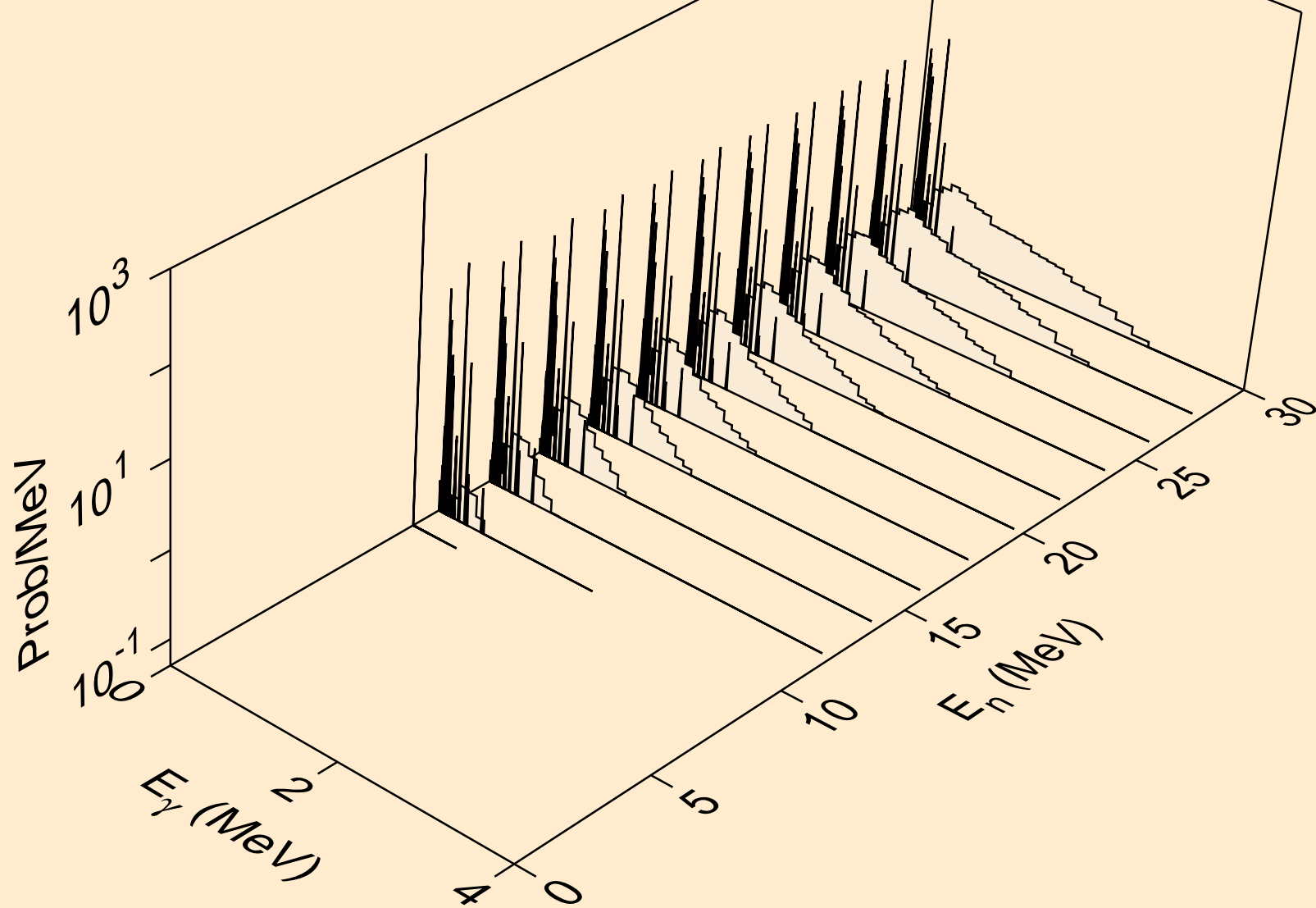
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

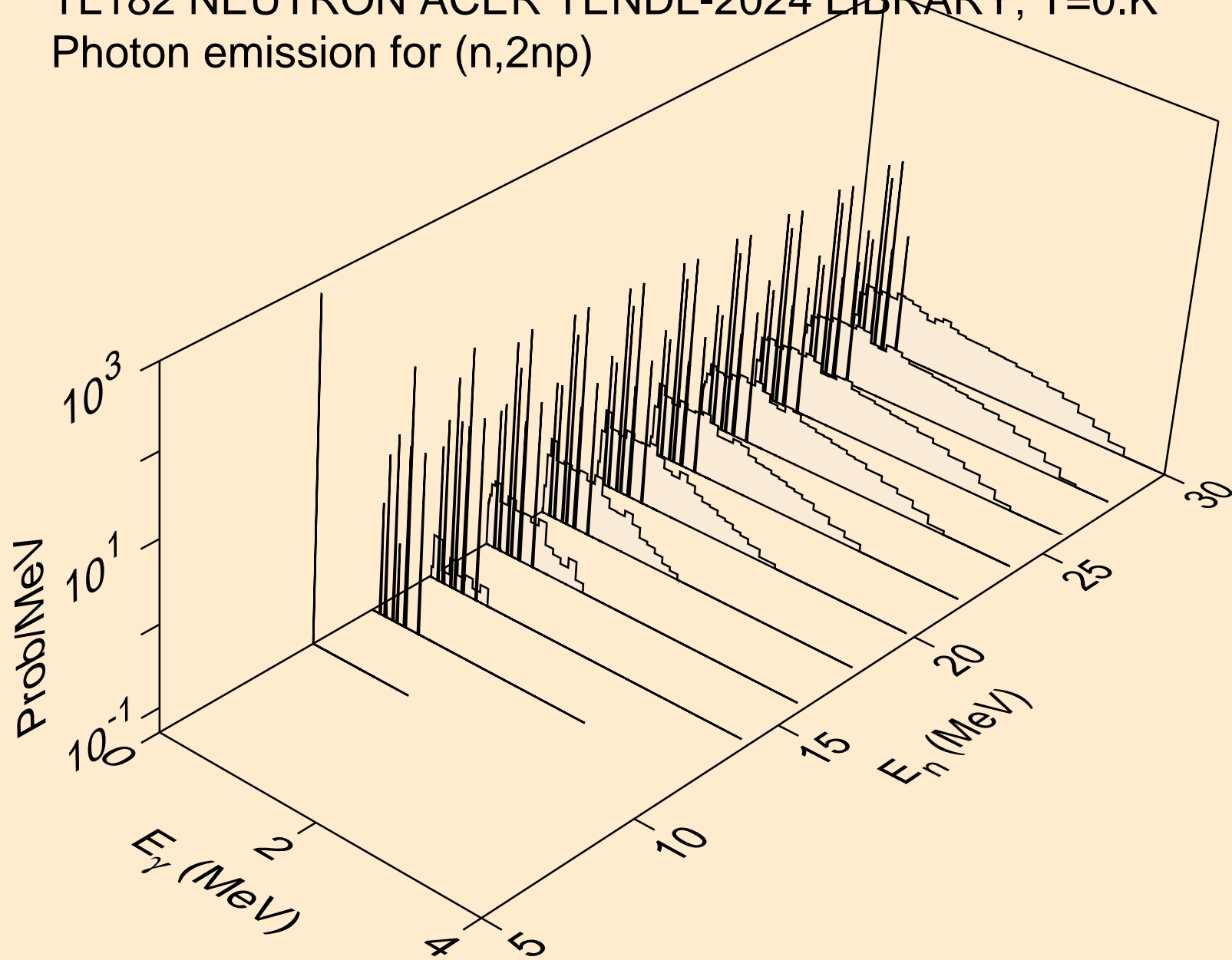


TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

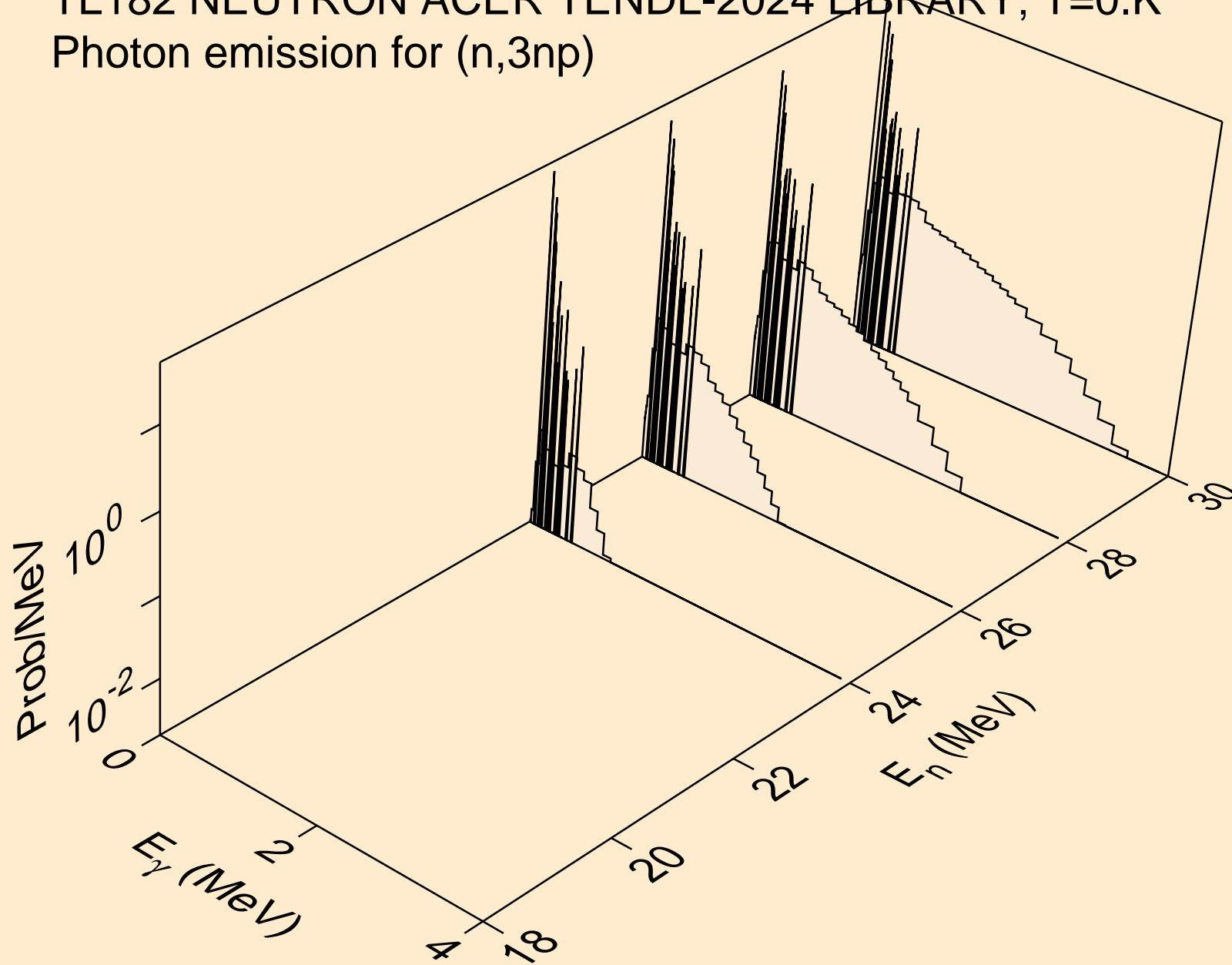




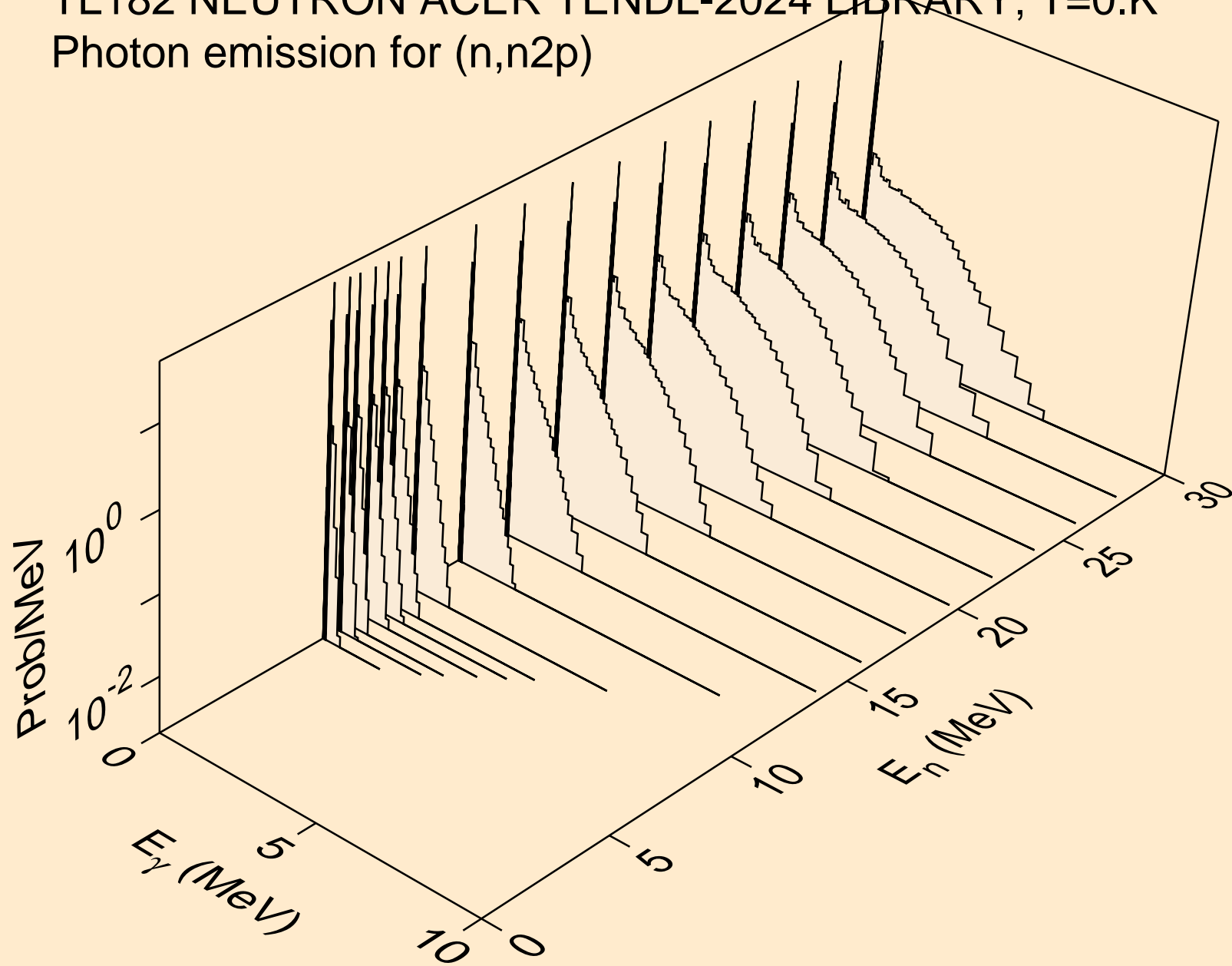
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



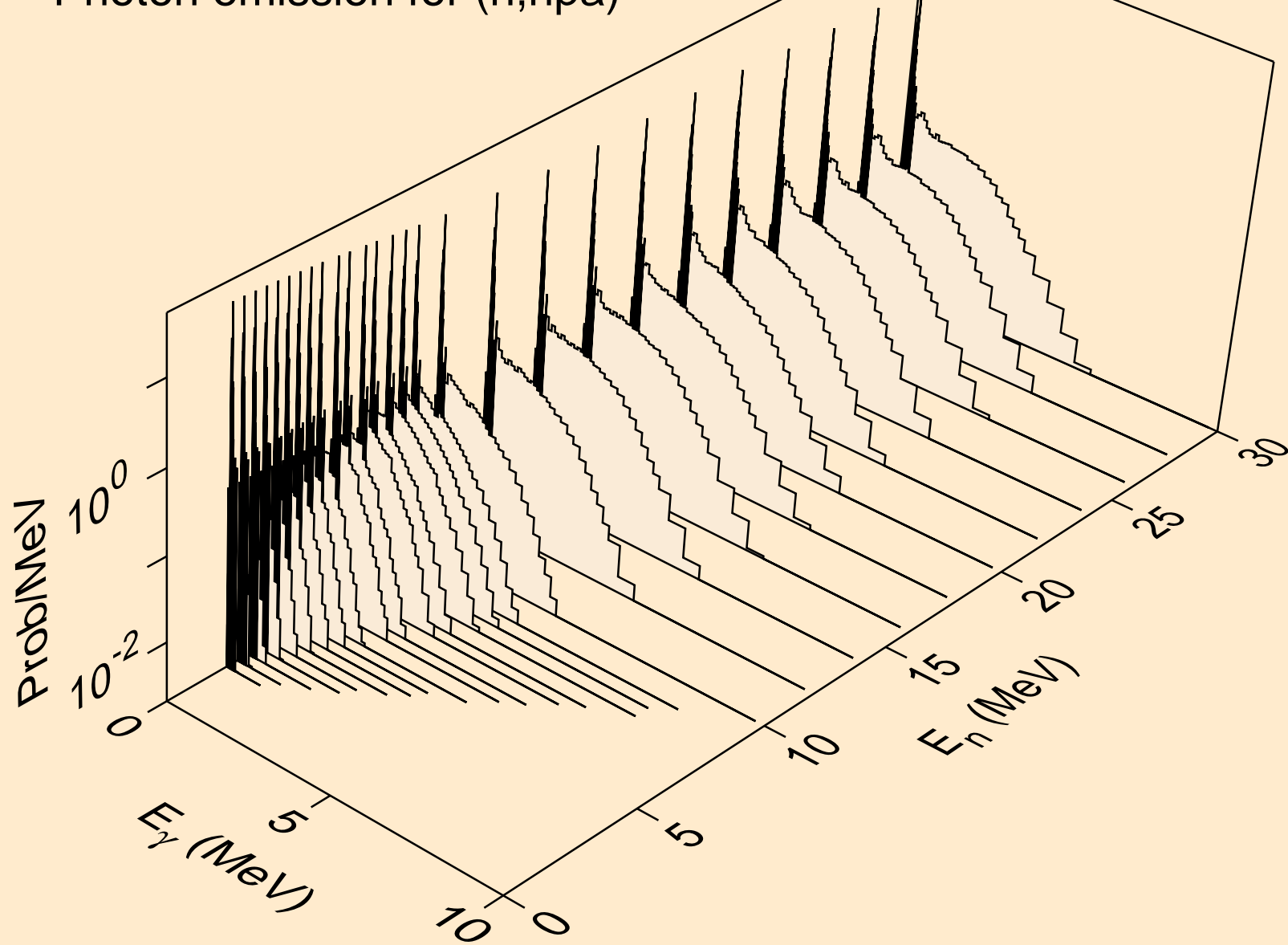
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Photon emission for (n,3np)



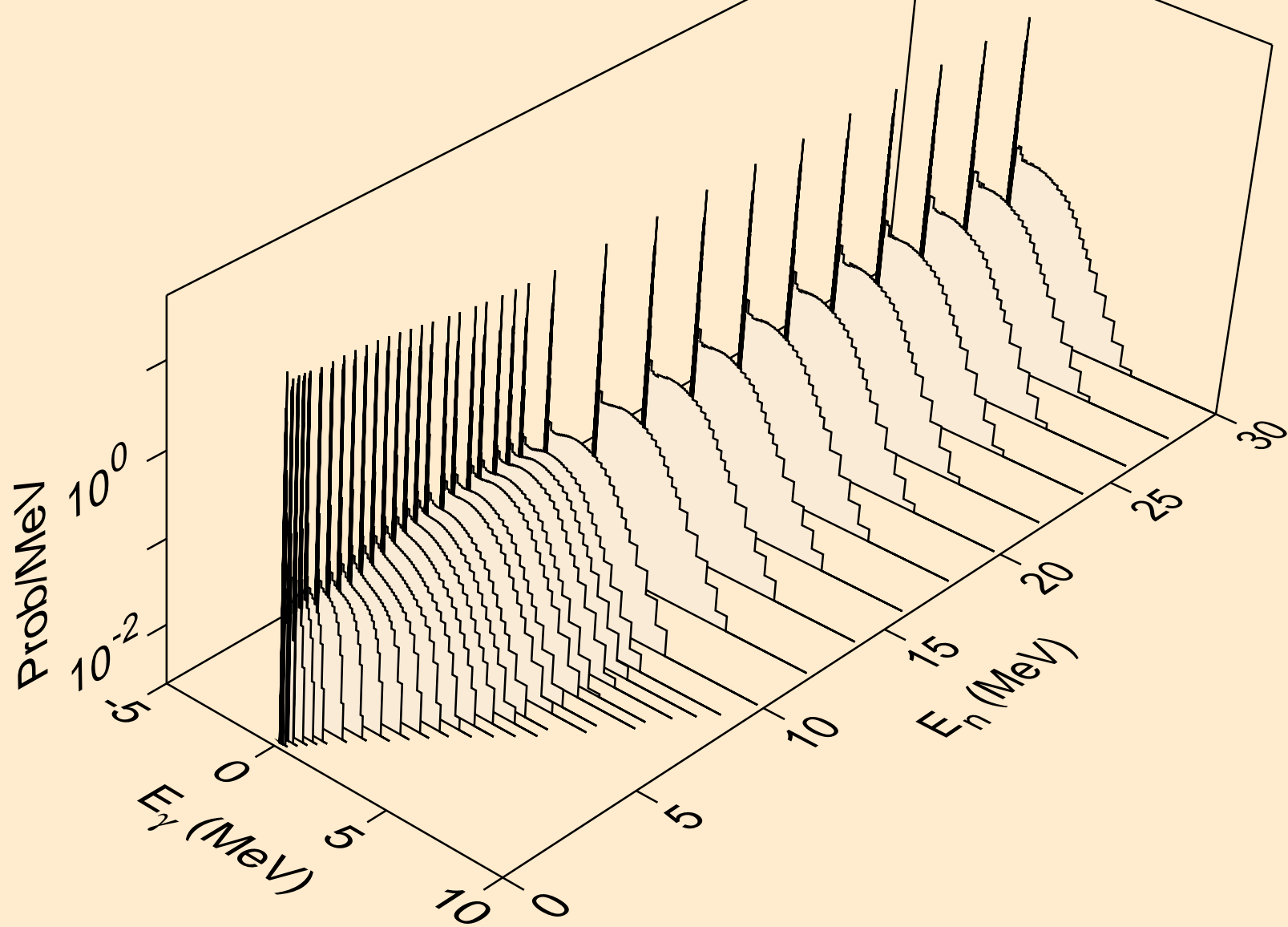
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



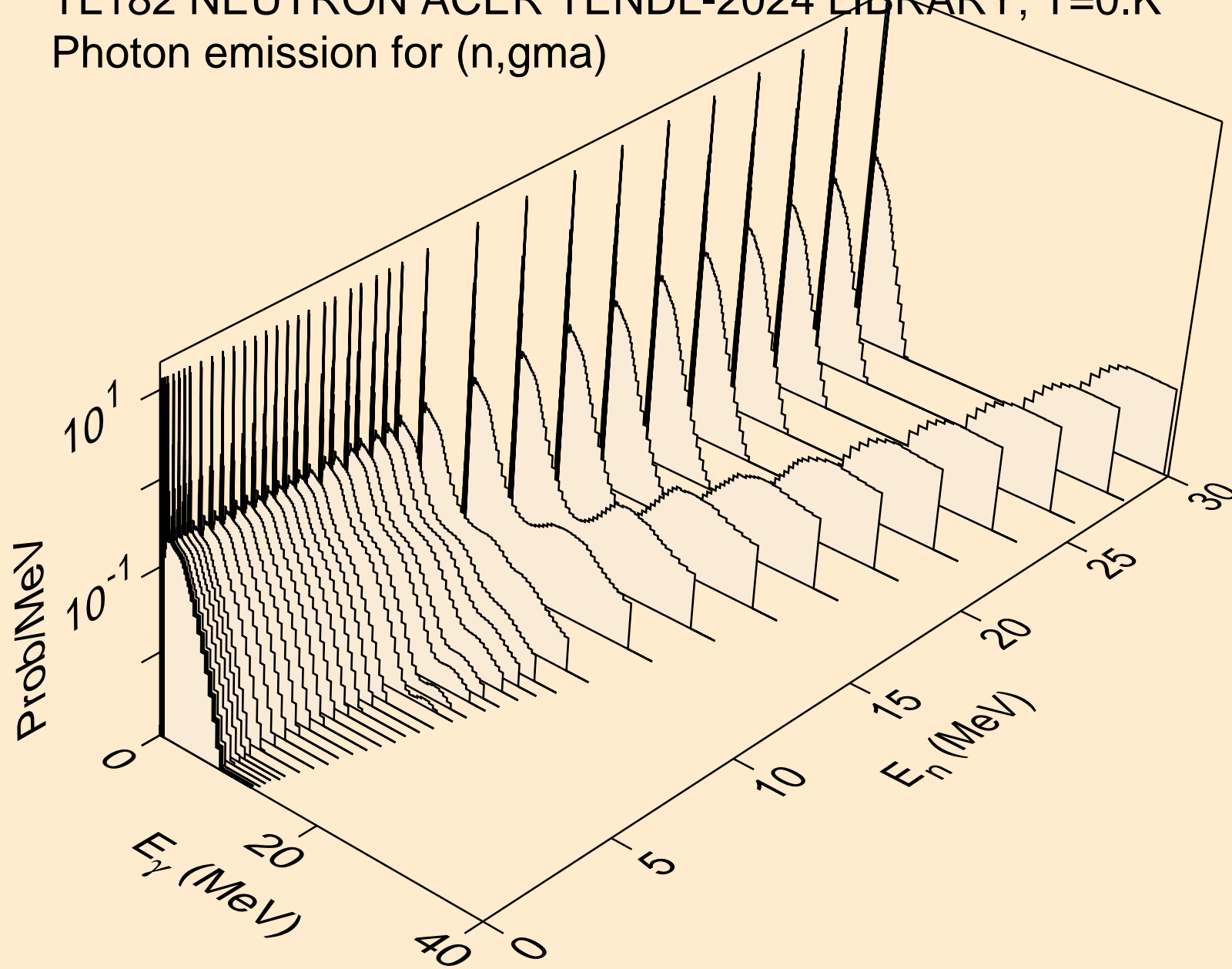
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



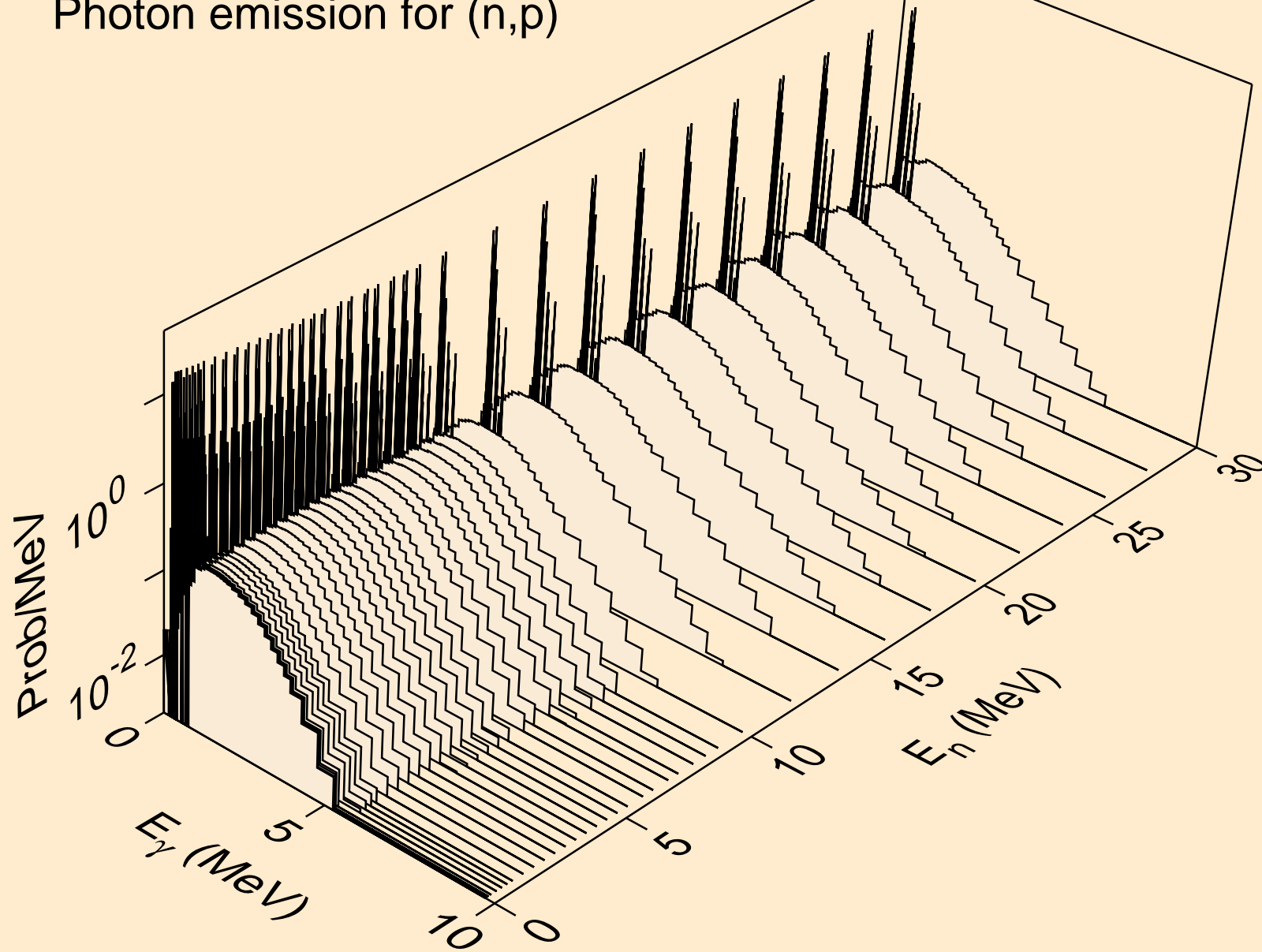
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



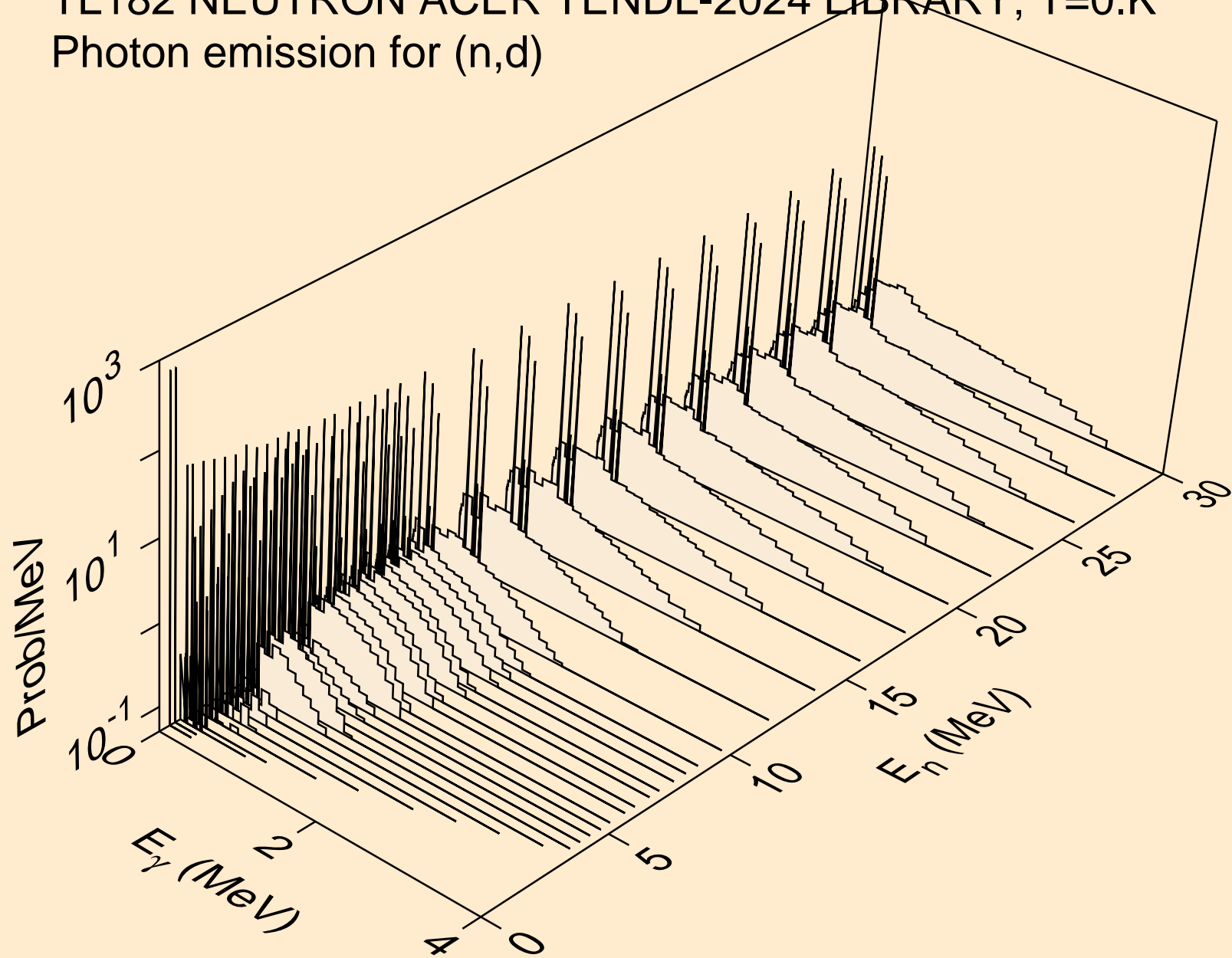
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)

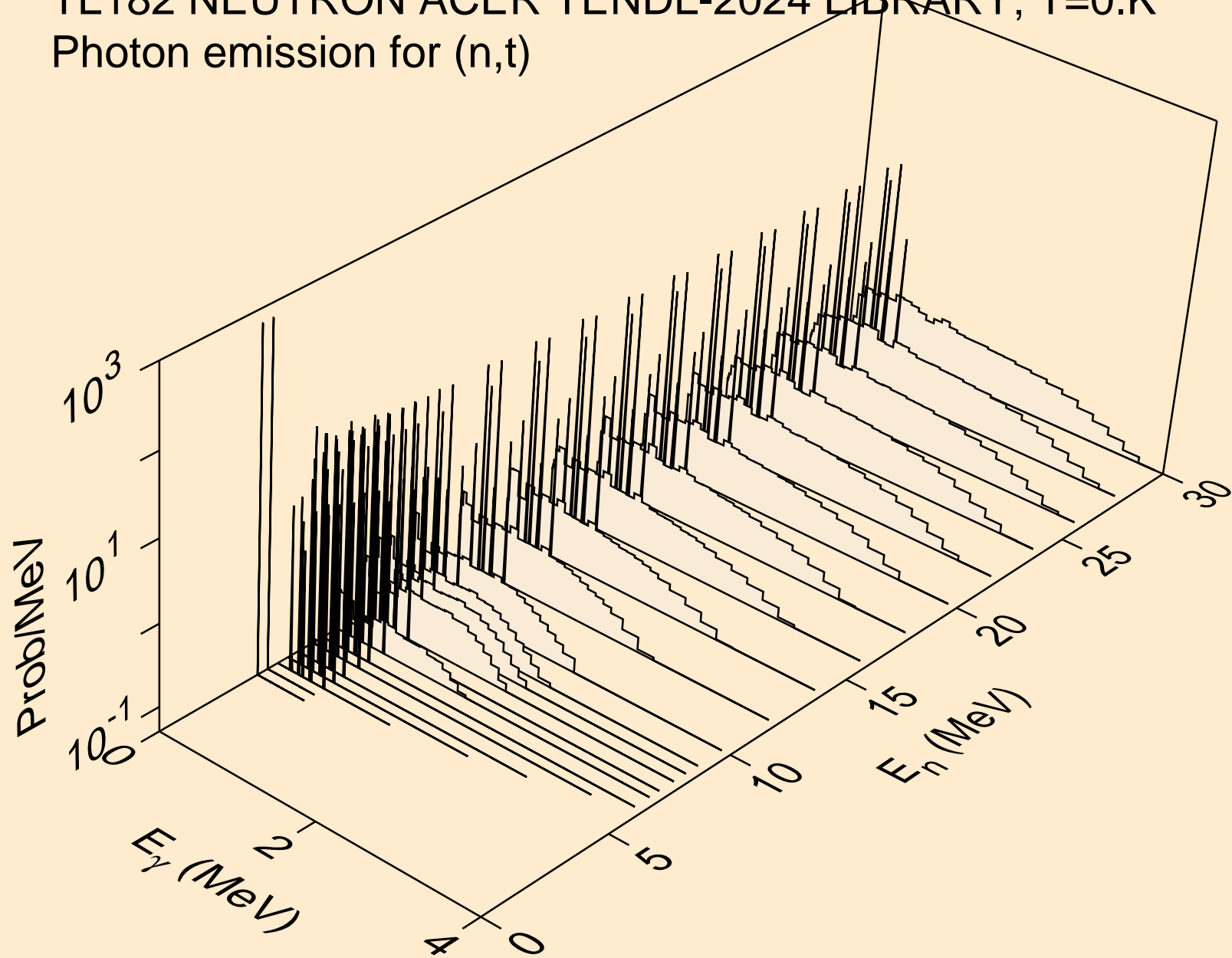


TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)

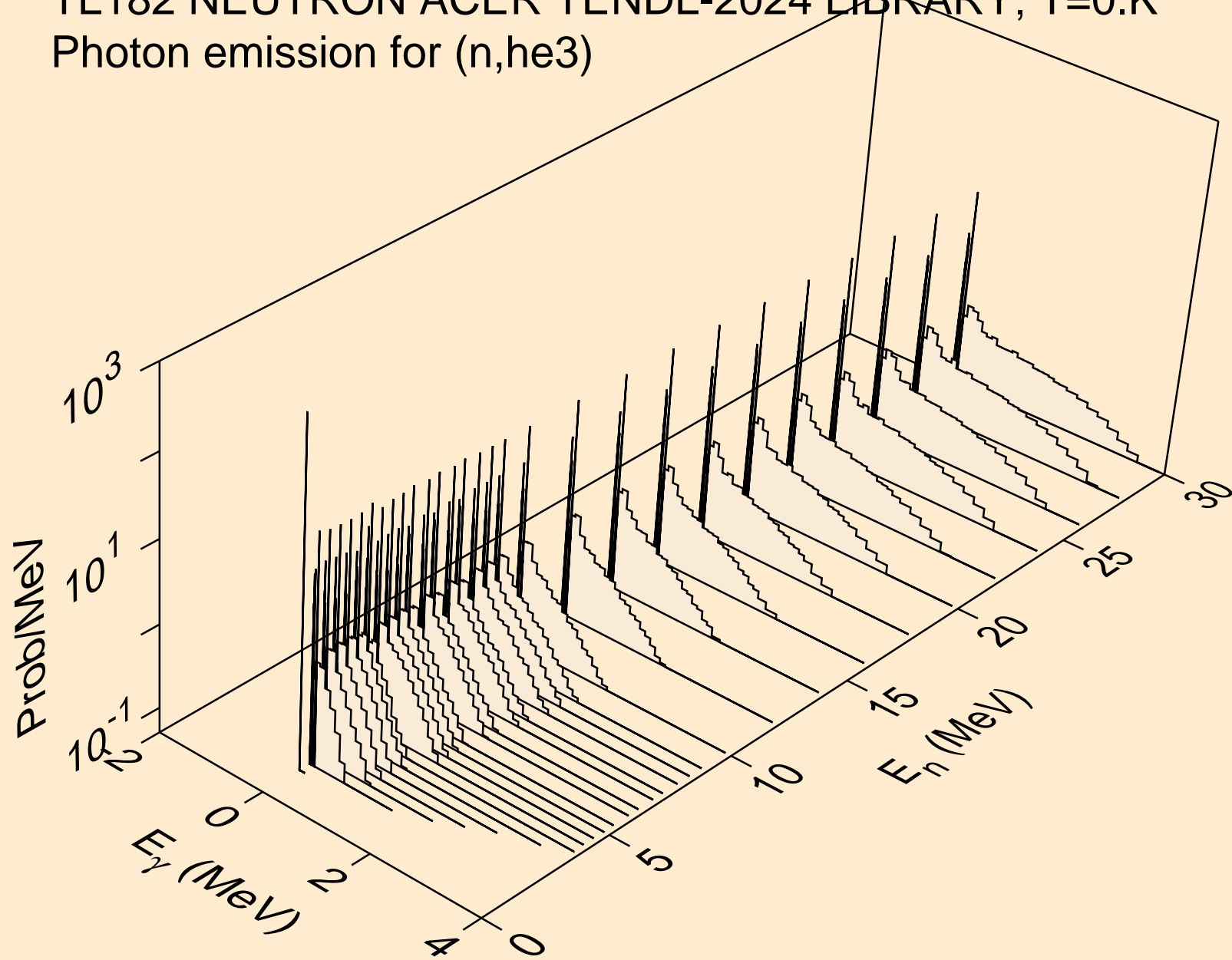




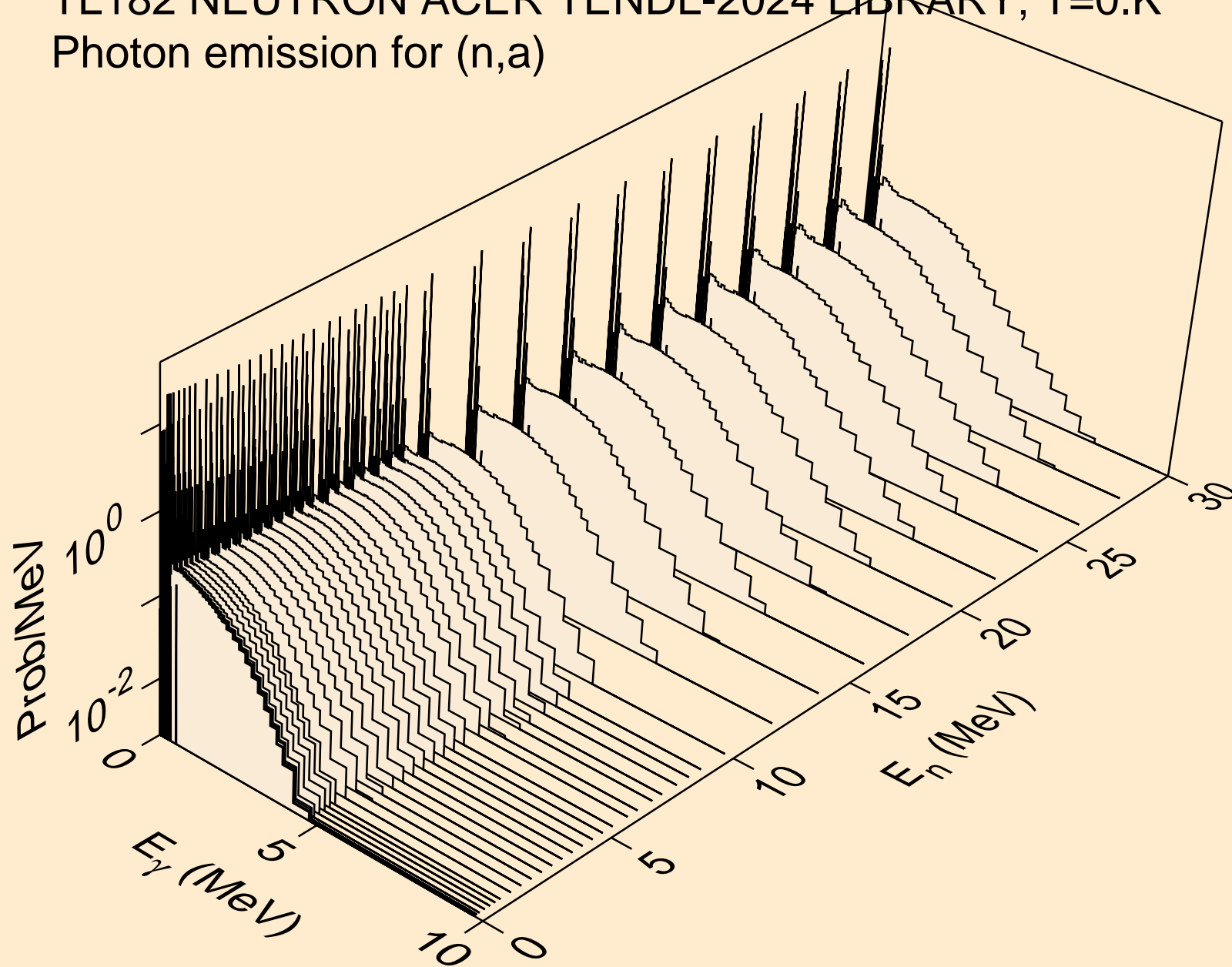
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Photon emission for (n,t)



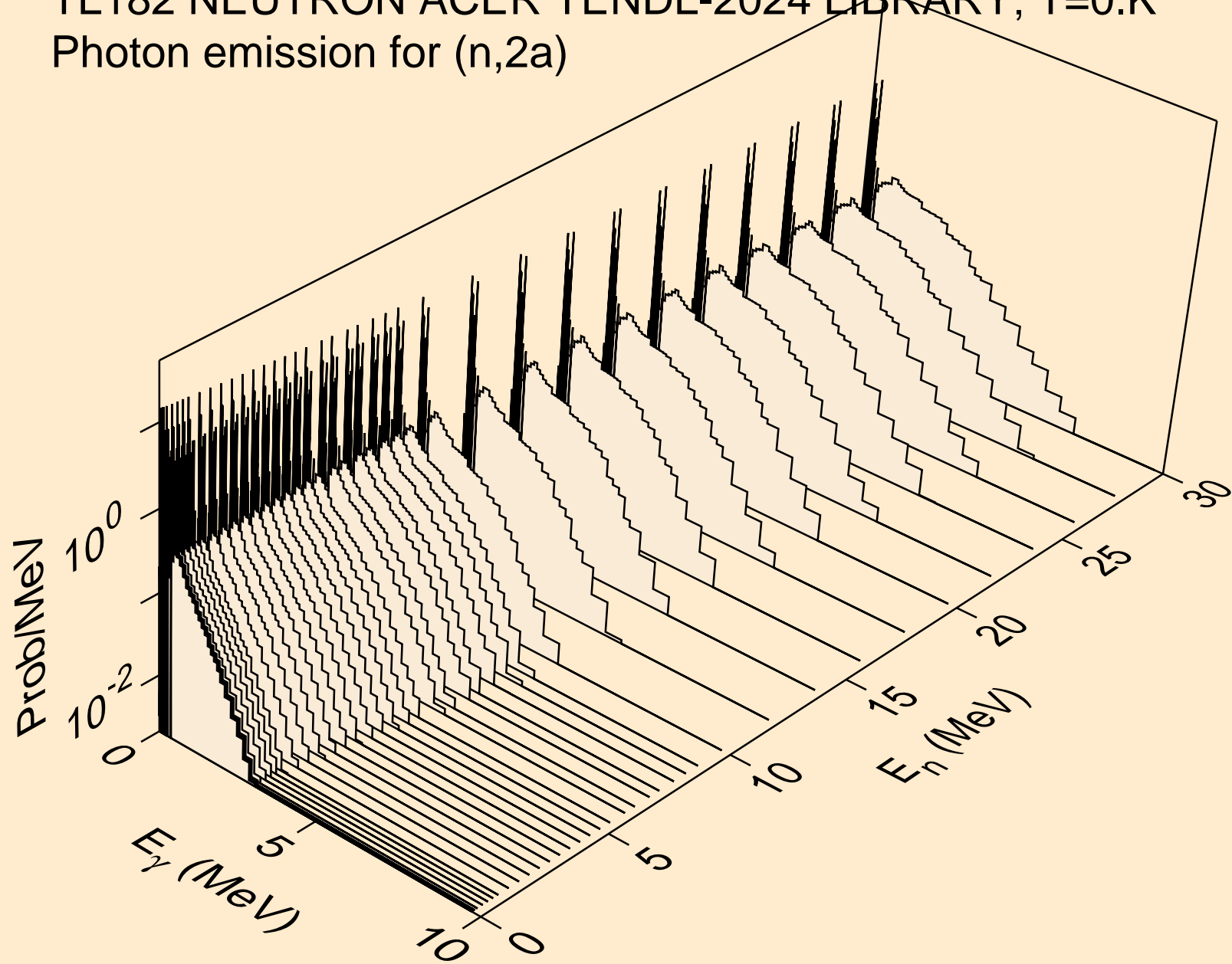
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Photon emission for (n,he3)



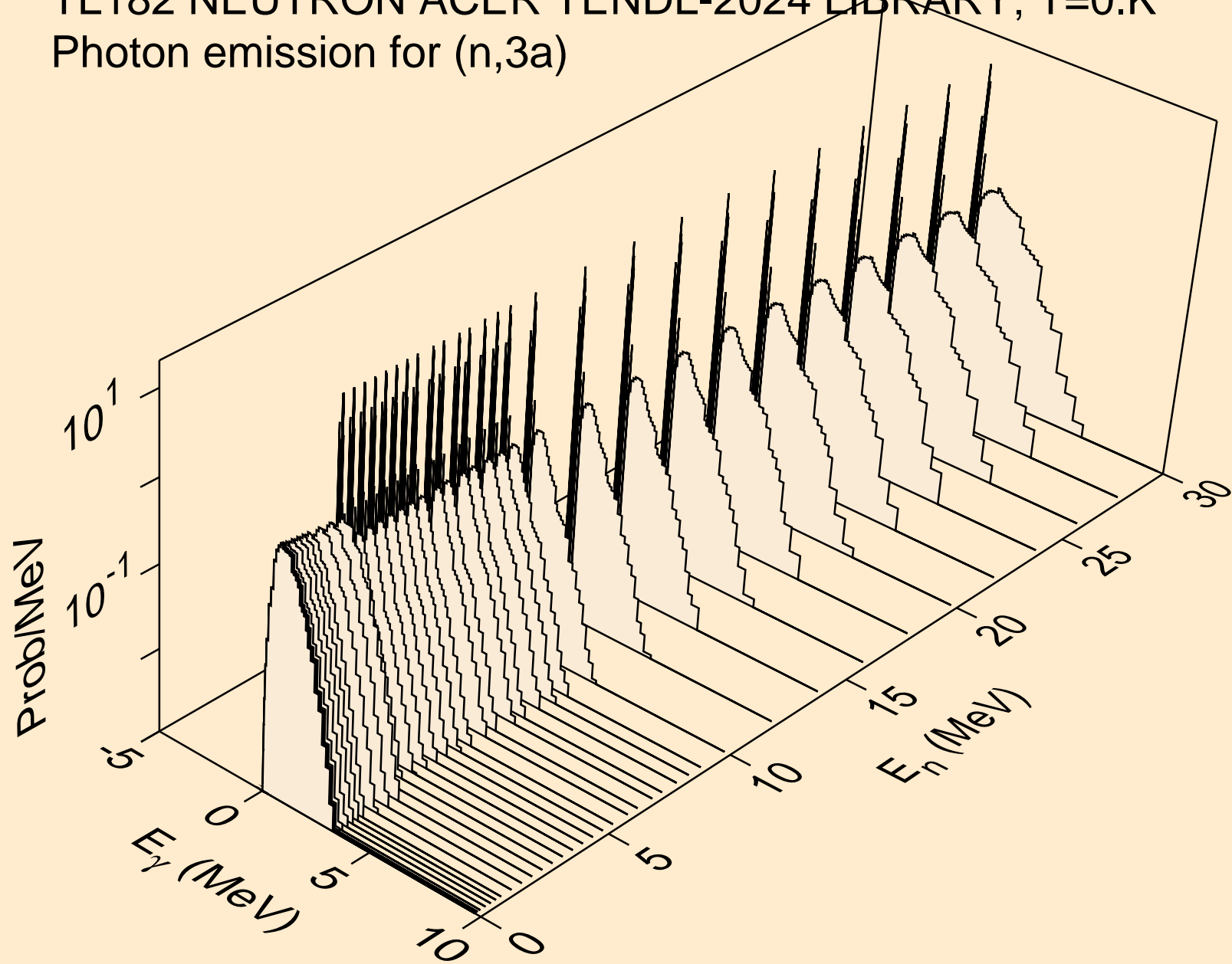
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Photon emission for (n,a)



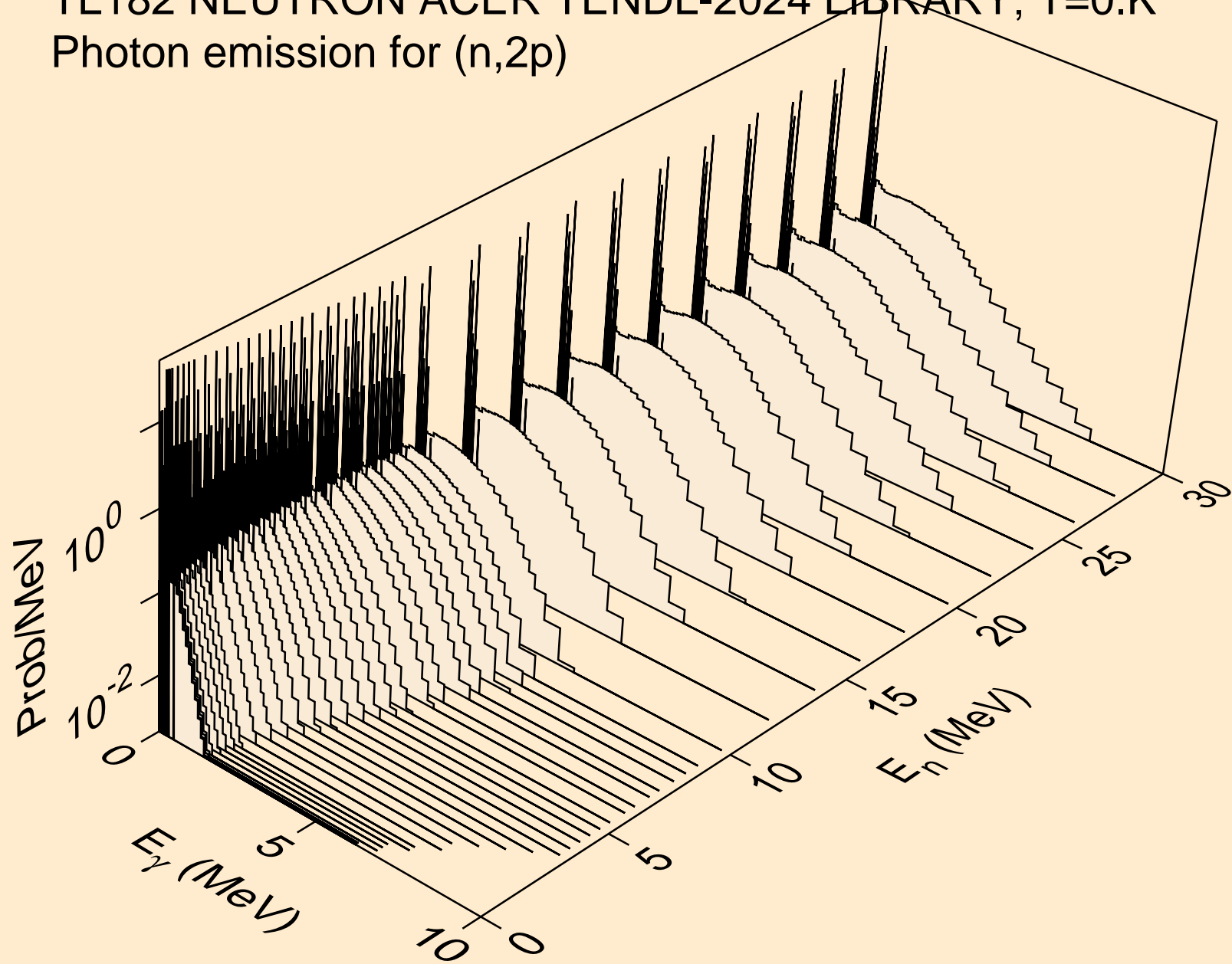
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Photon emission for (n,2a)



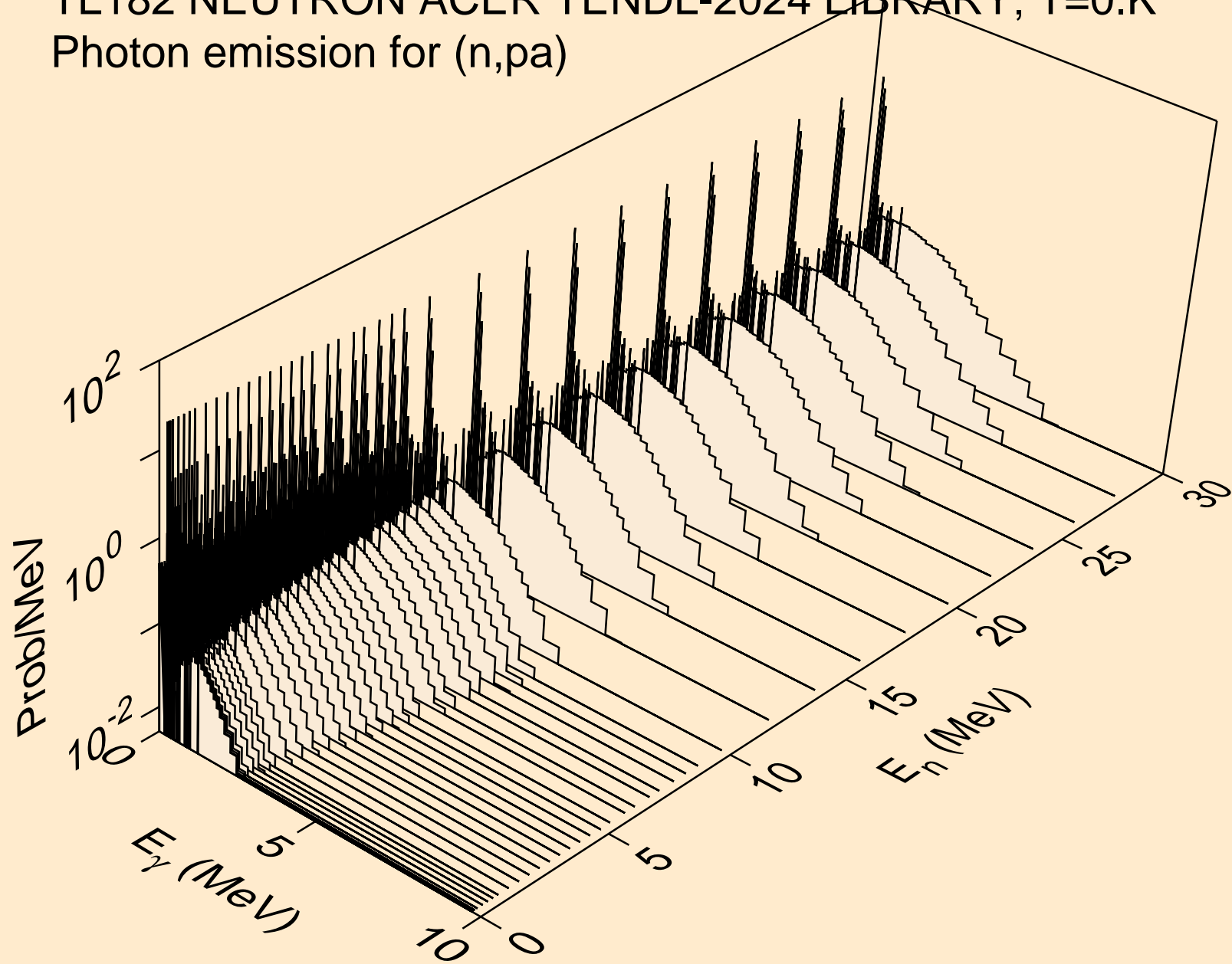
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3a)



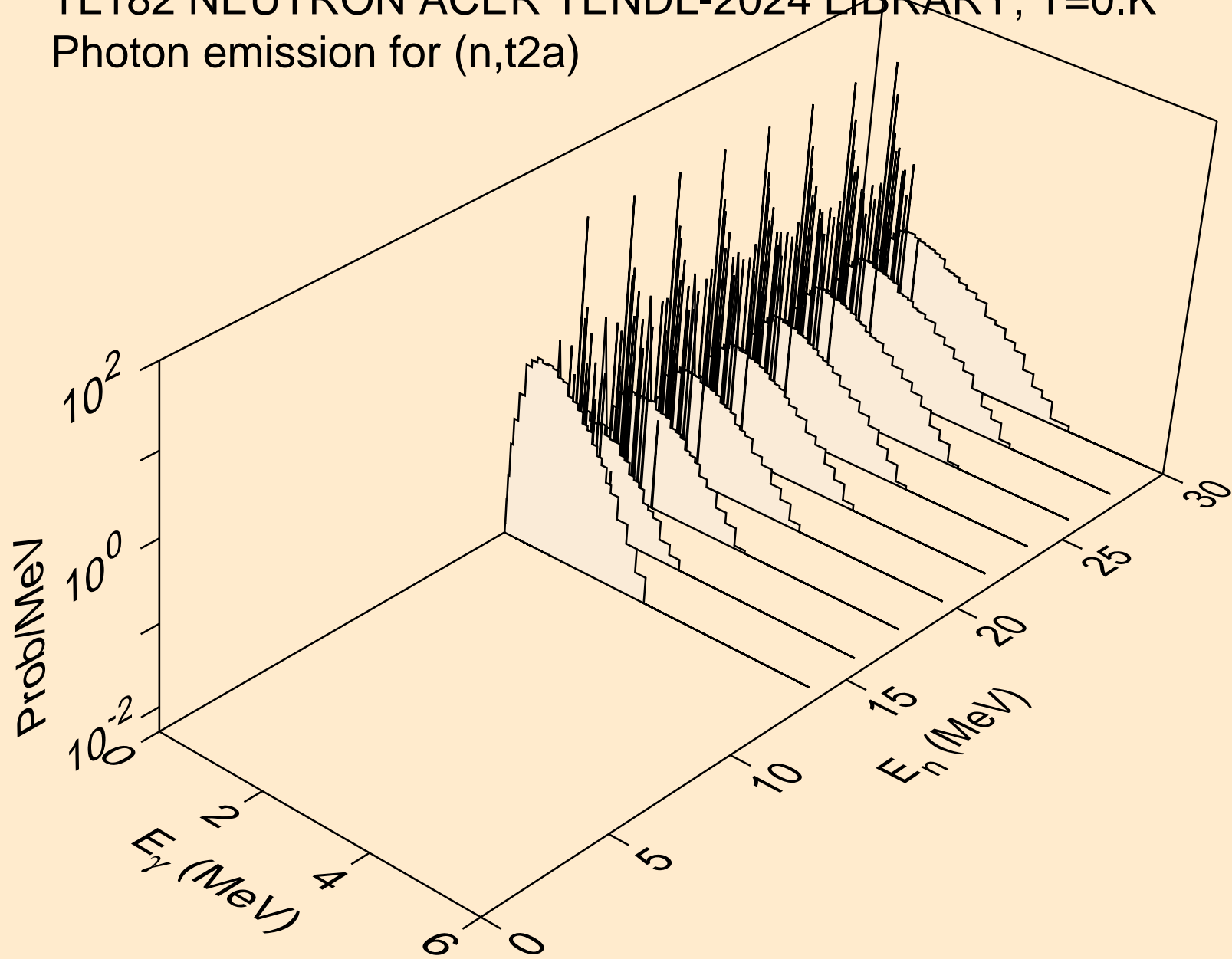
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )

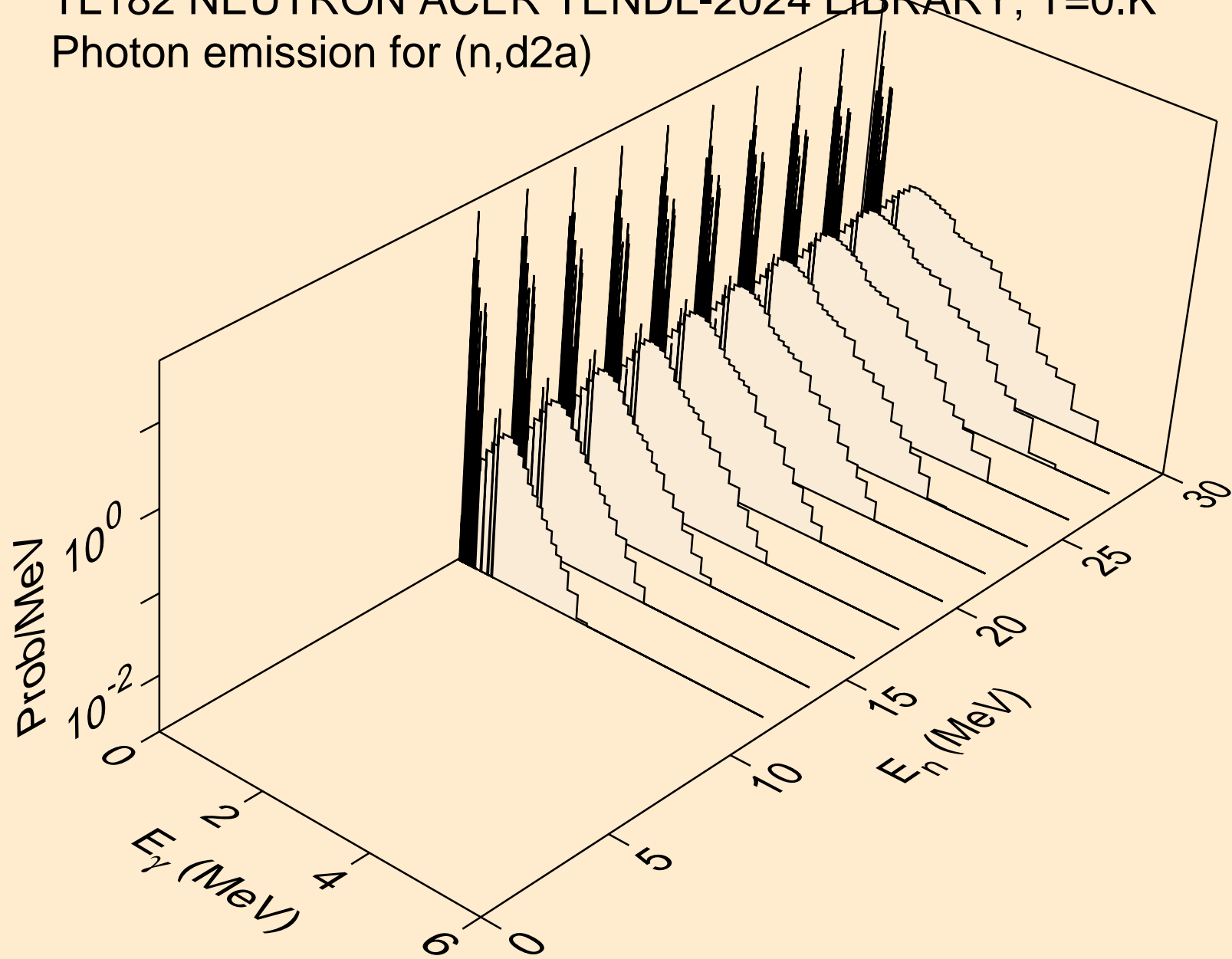


TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t2a)

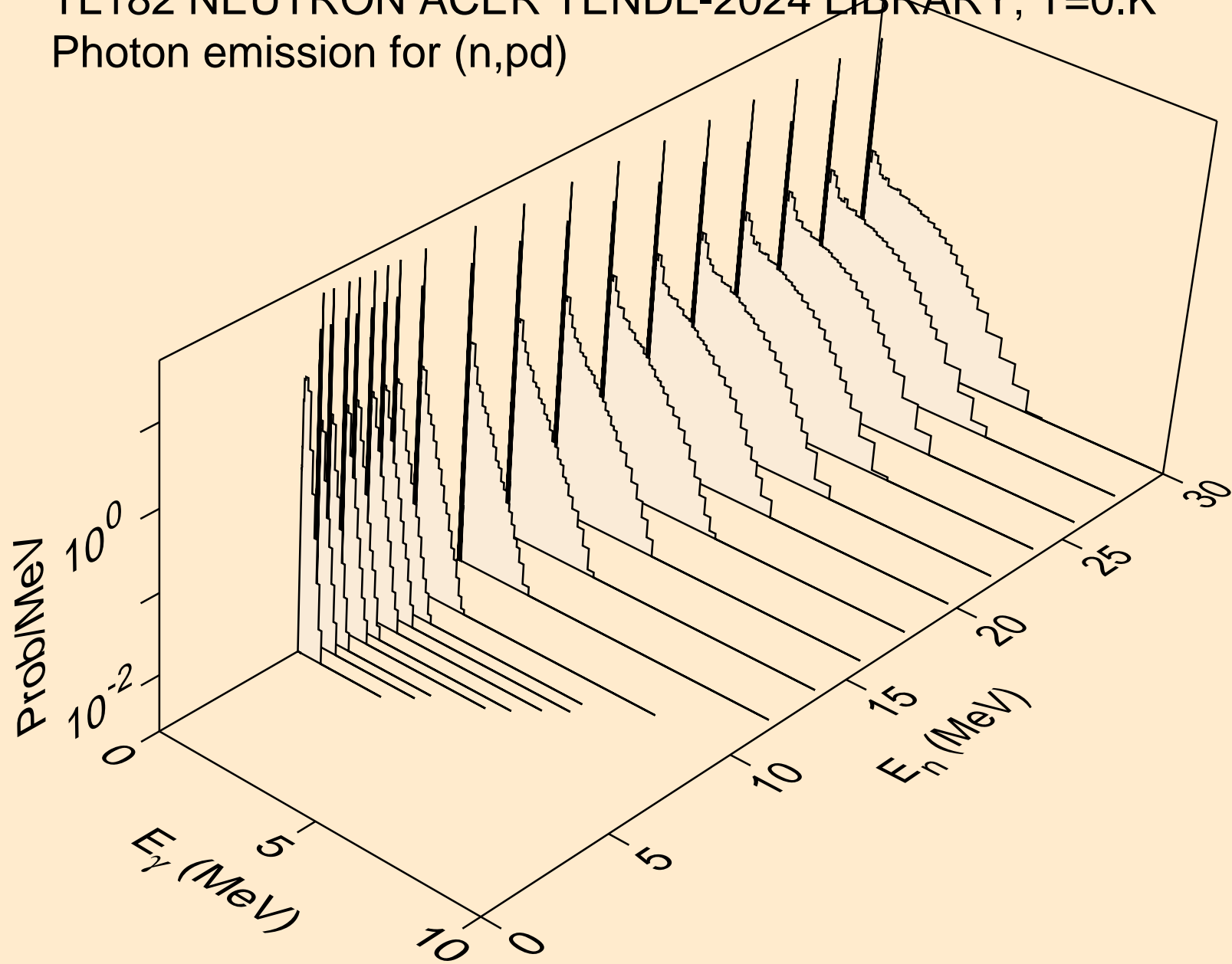




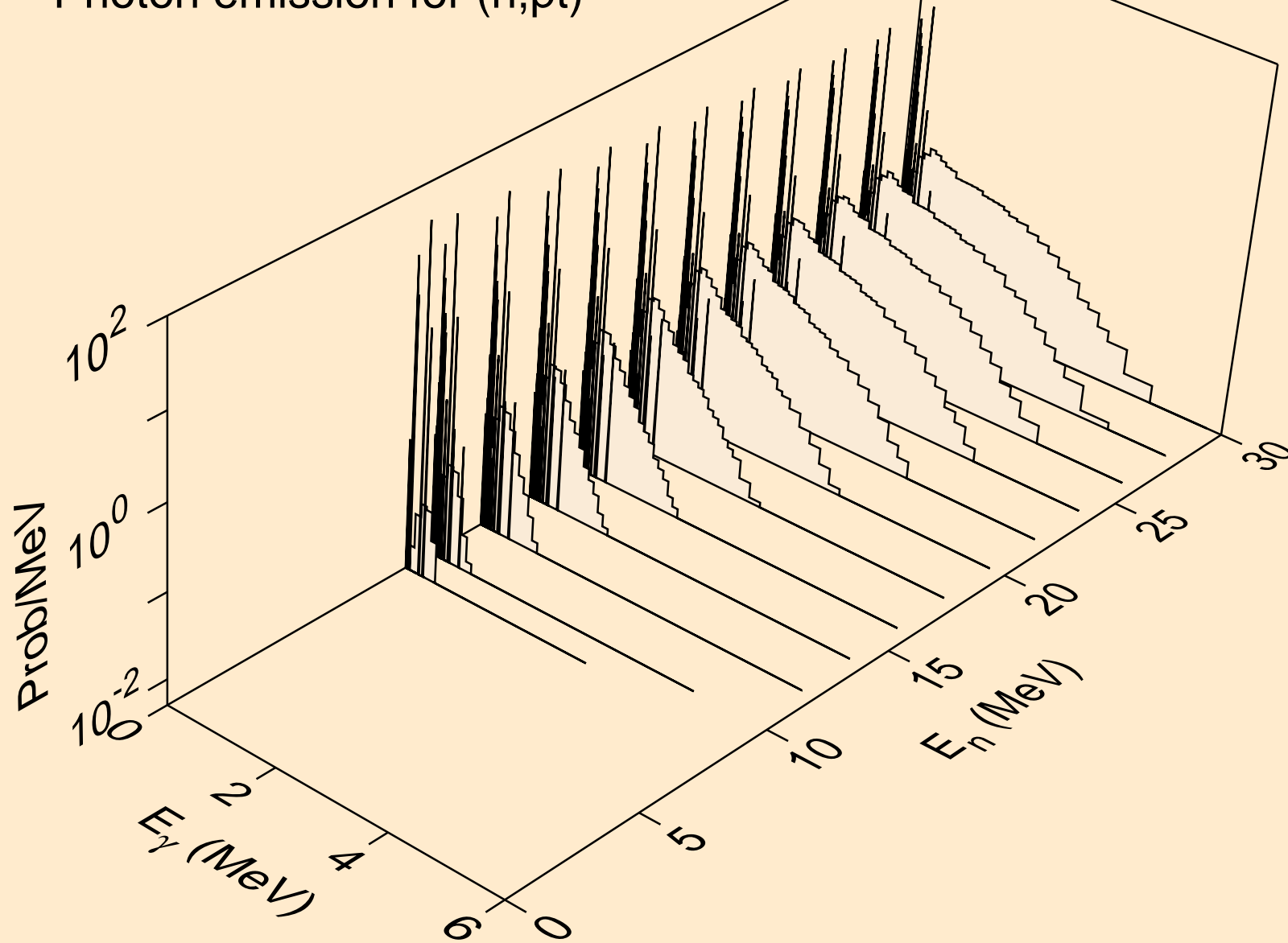
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Photon emission for (n,d2a)



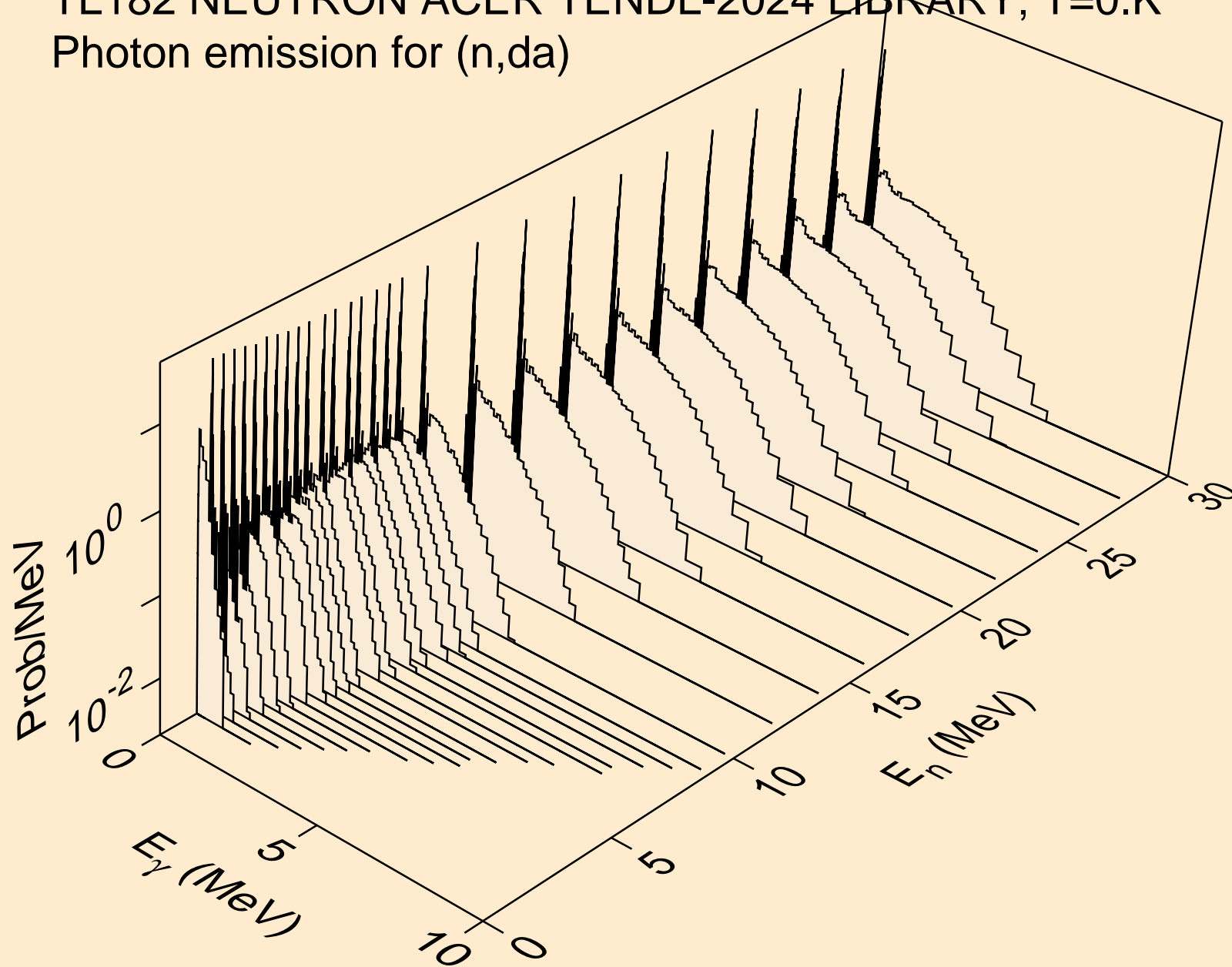
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



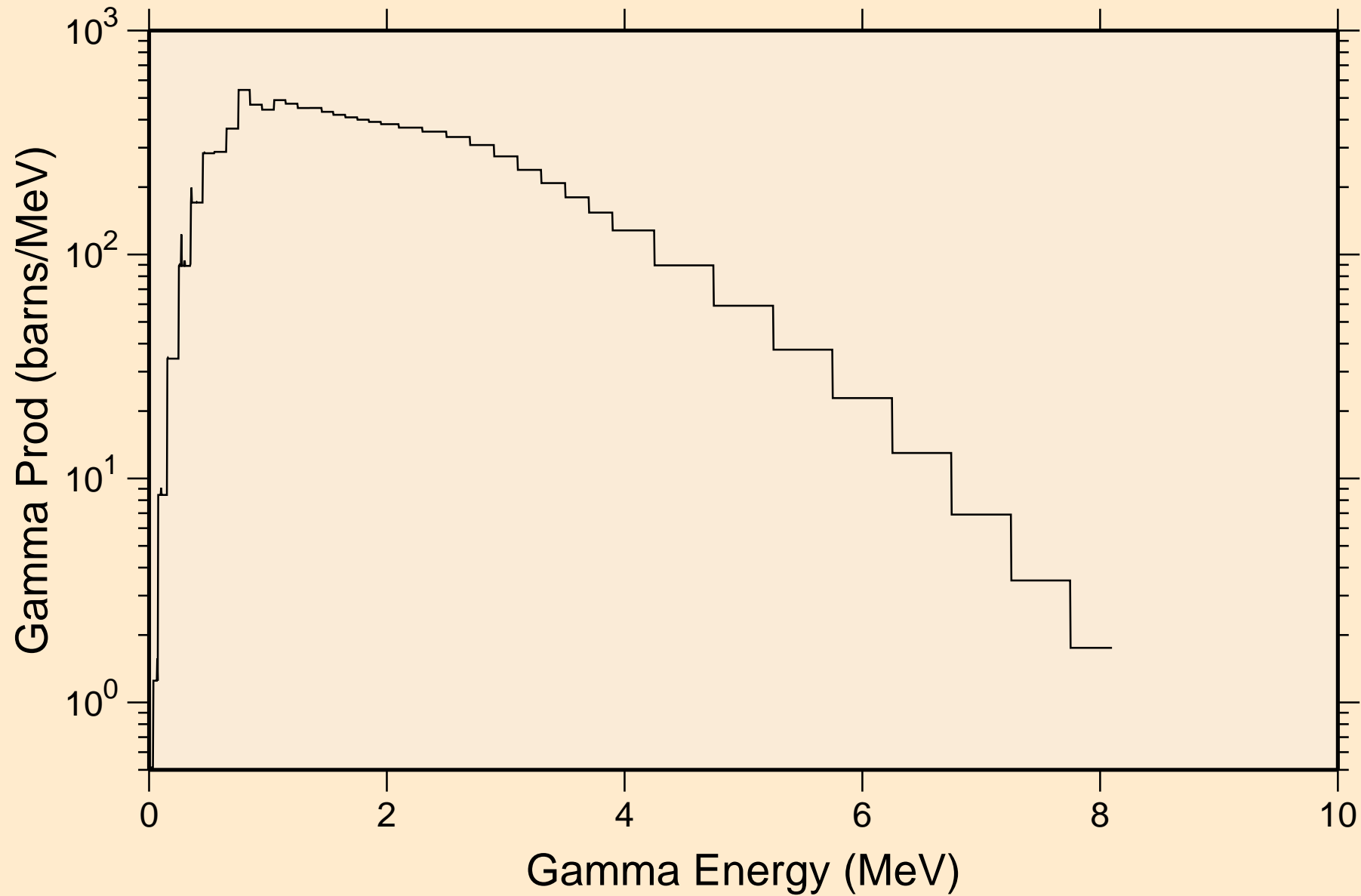
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)



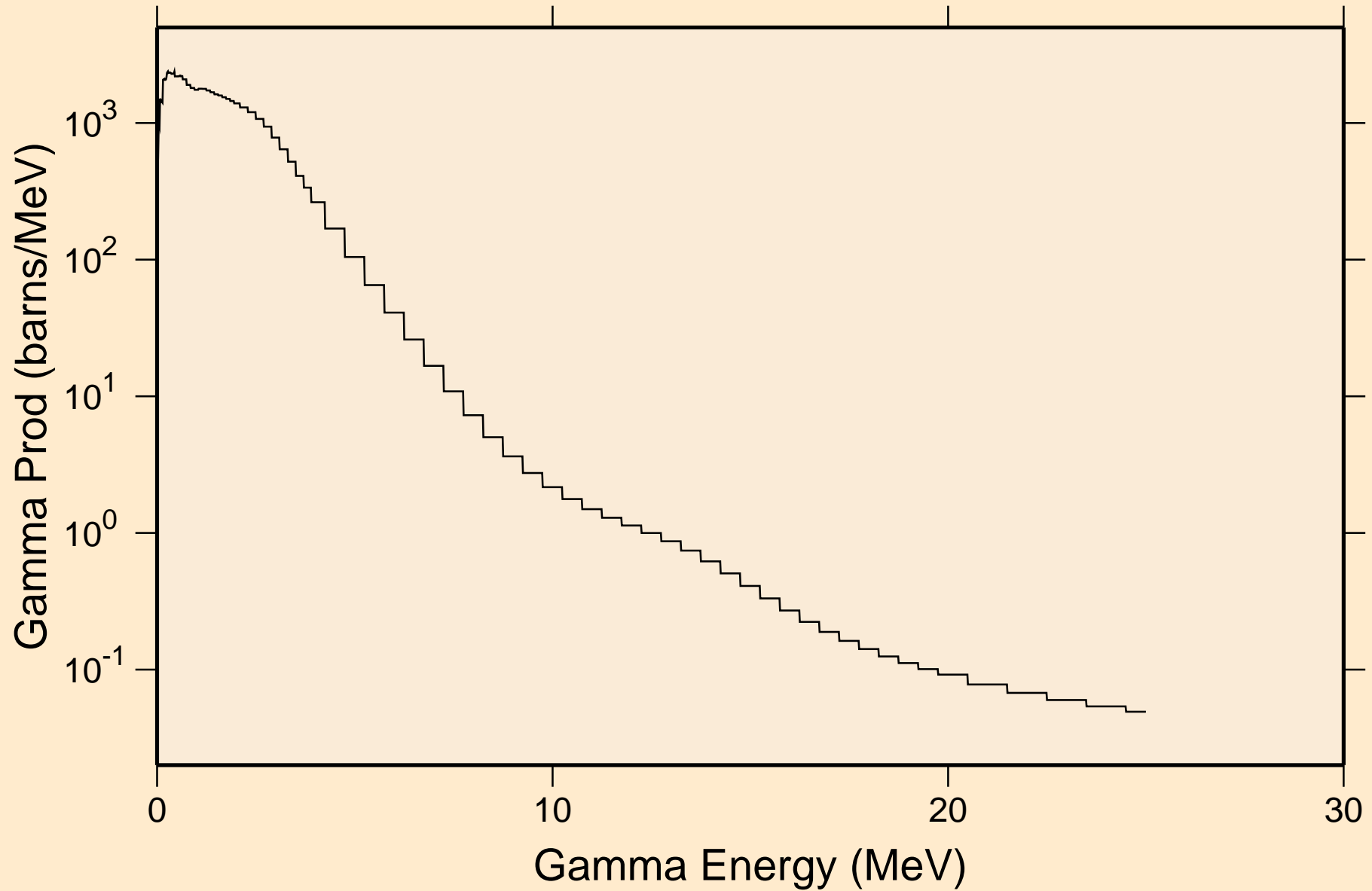
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Photon emission for (n,da)



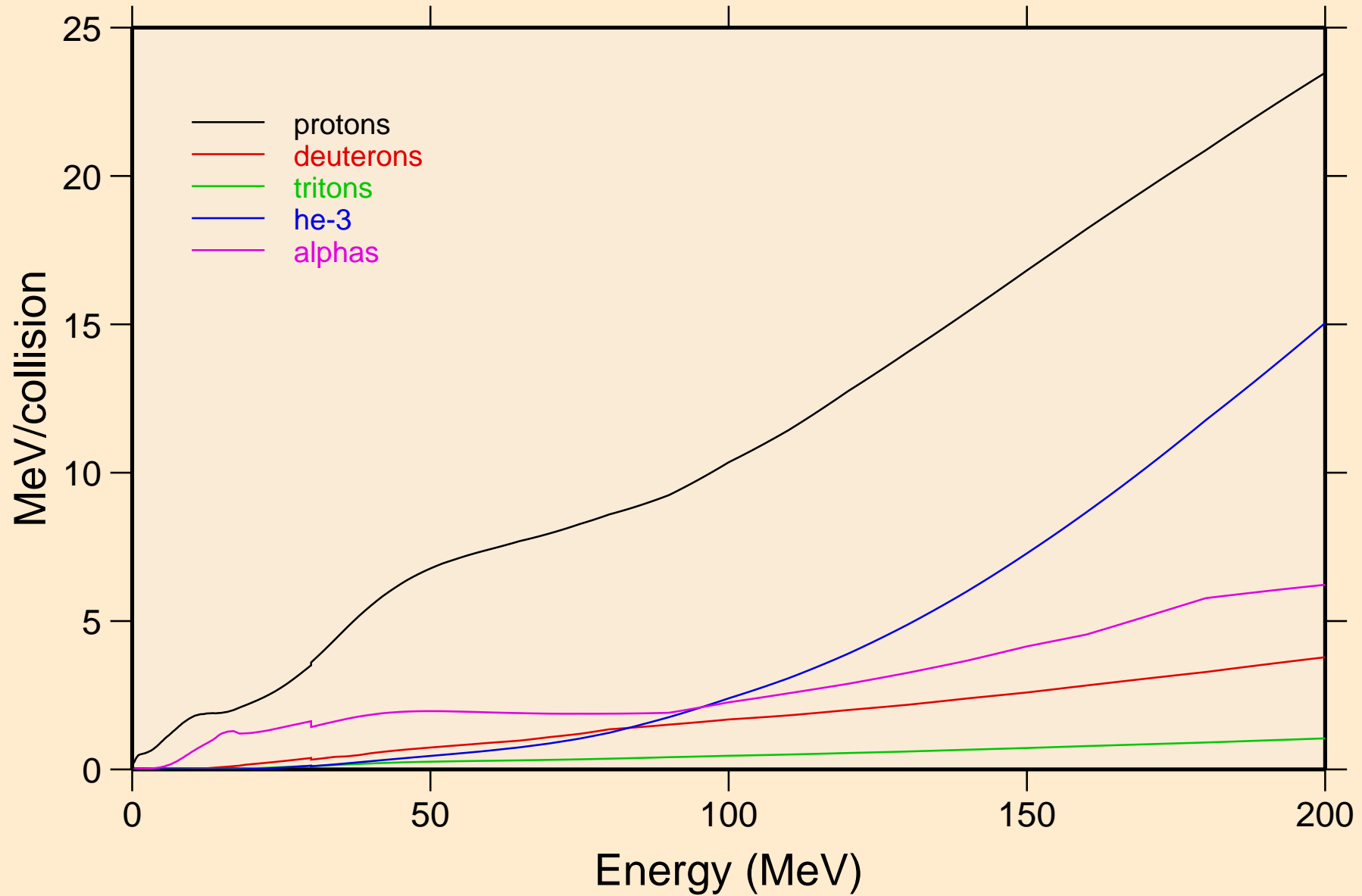
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum



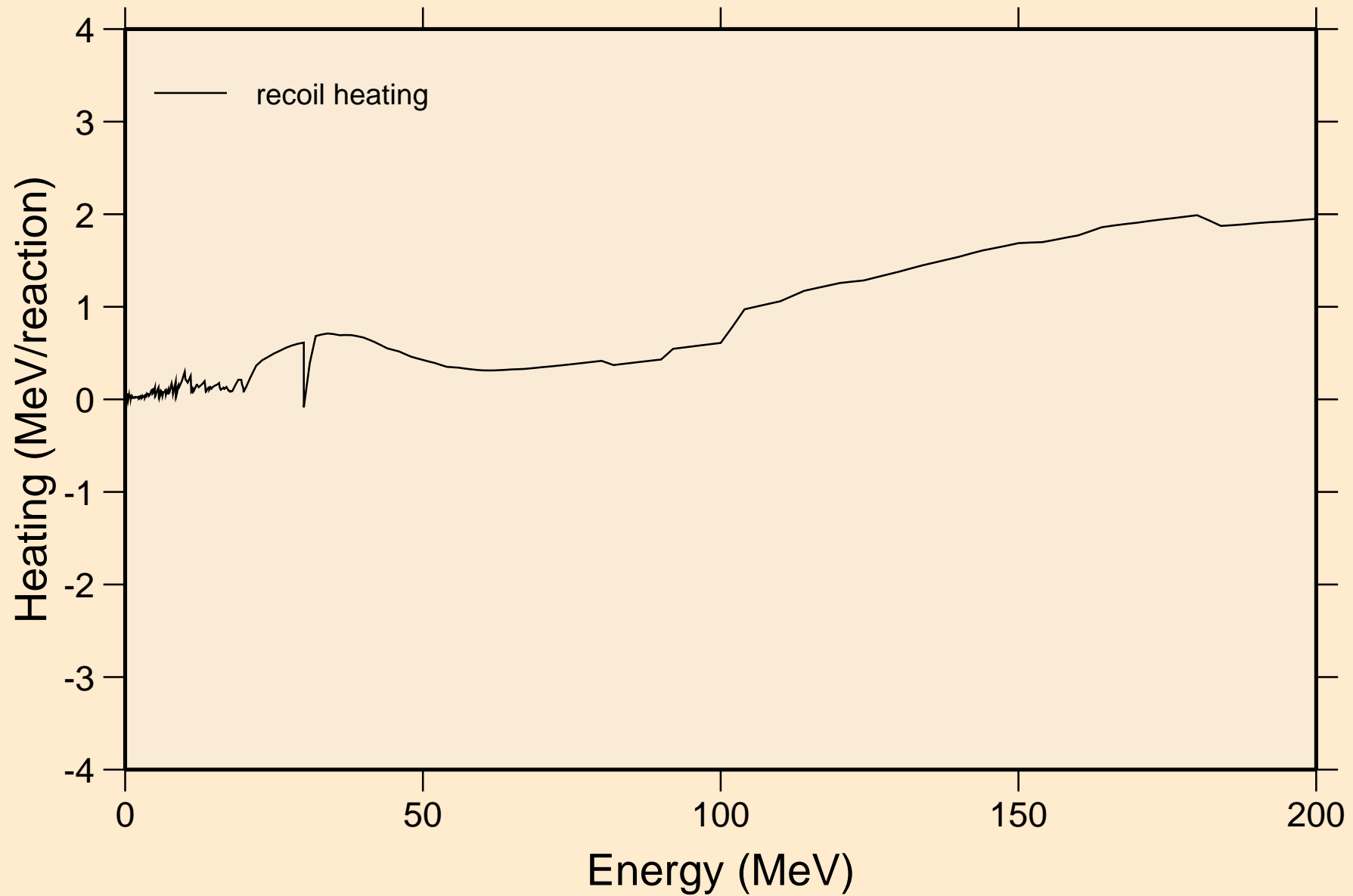
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum



TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Particle heating contributions



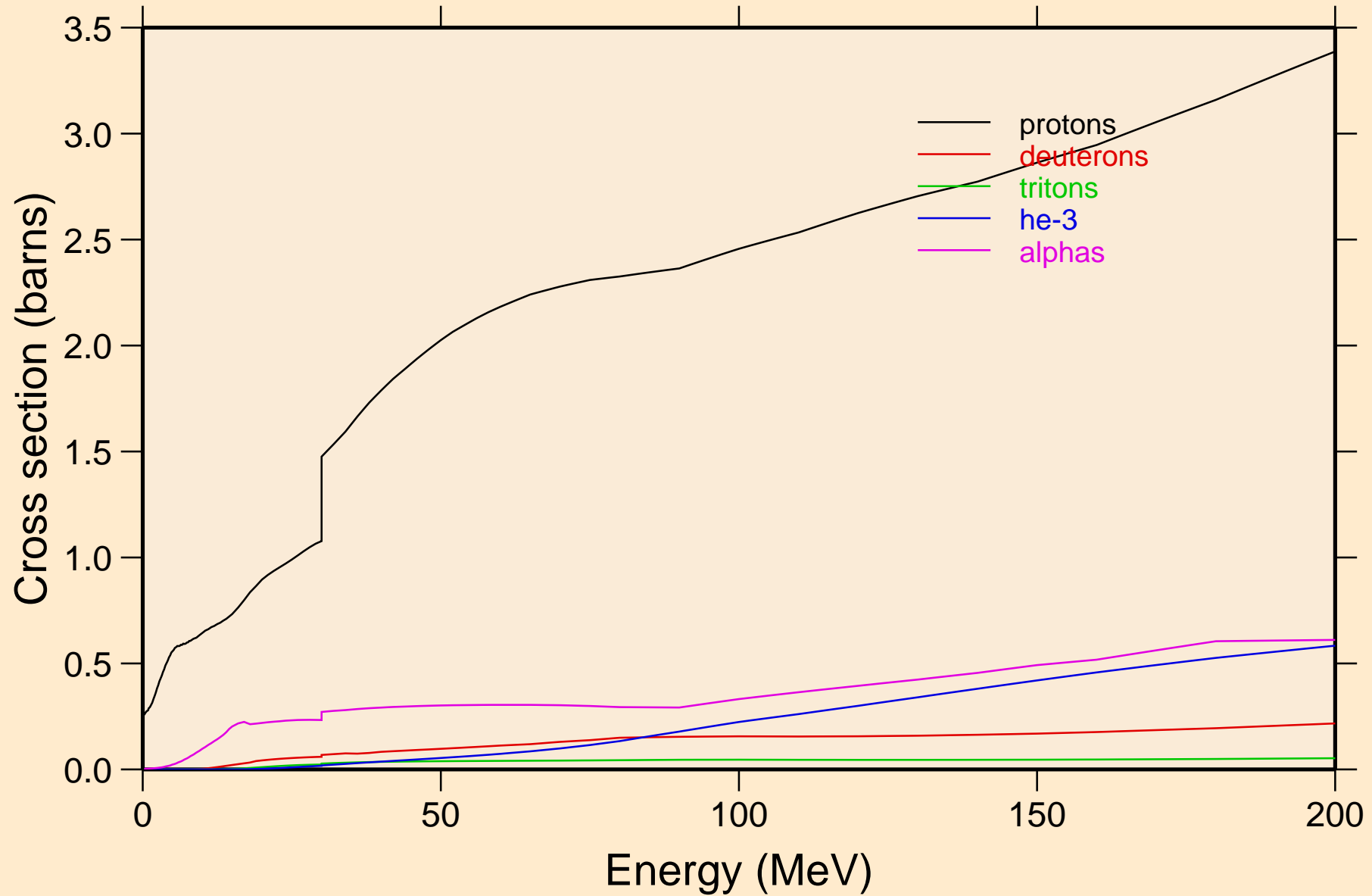
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Recoil Heating



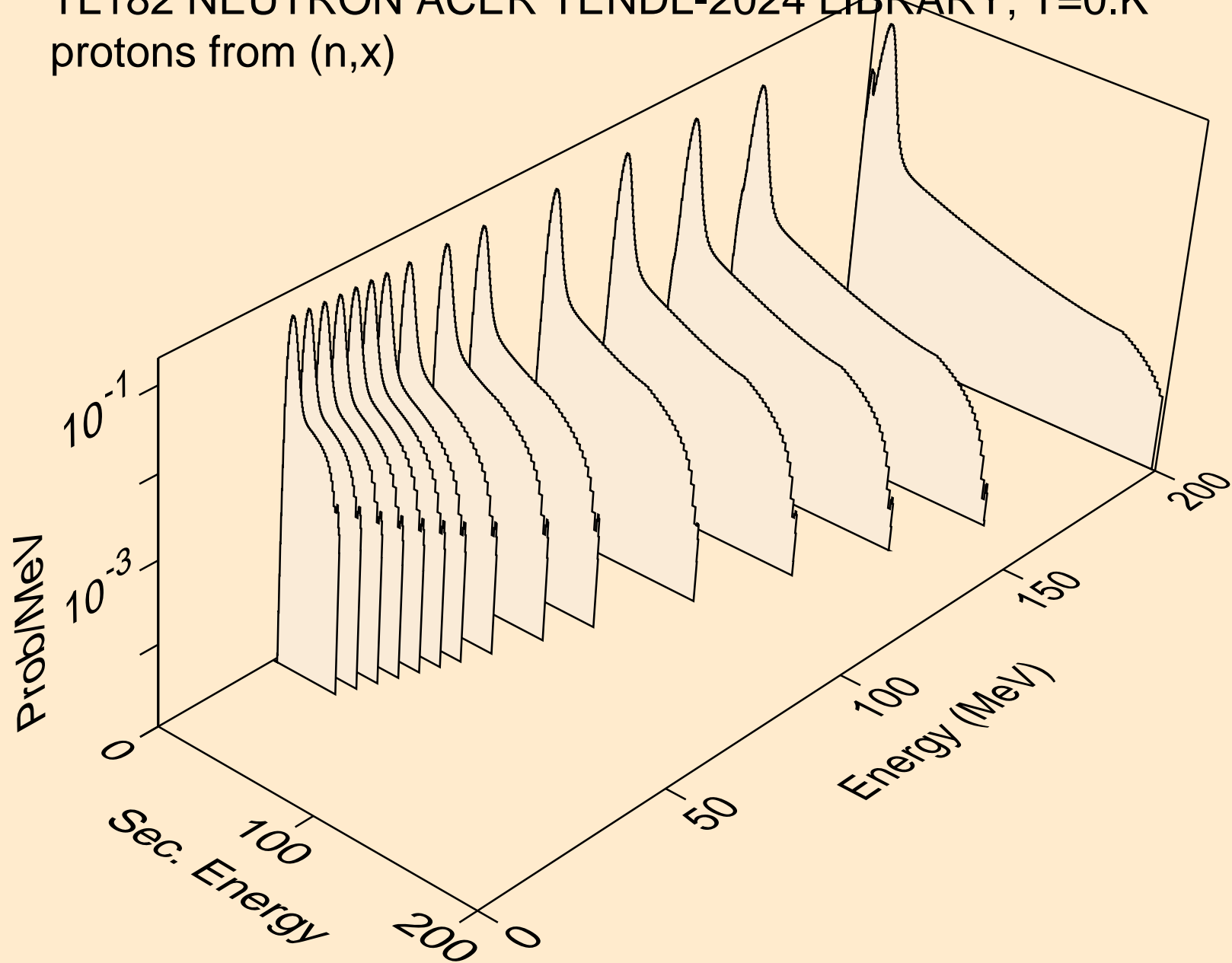


# TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

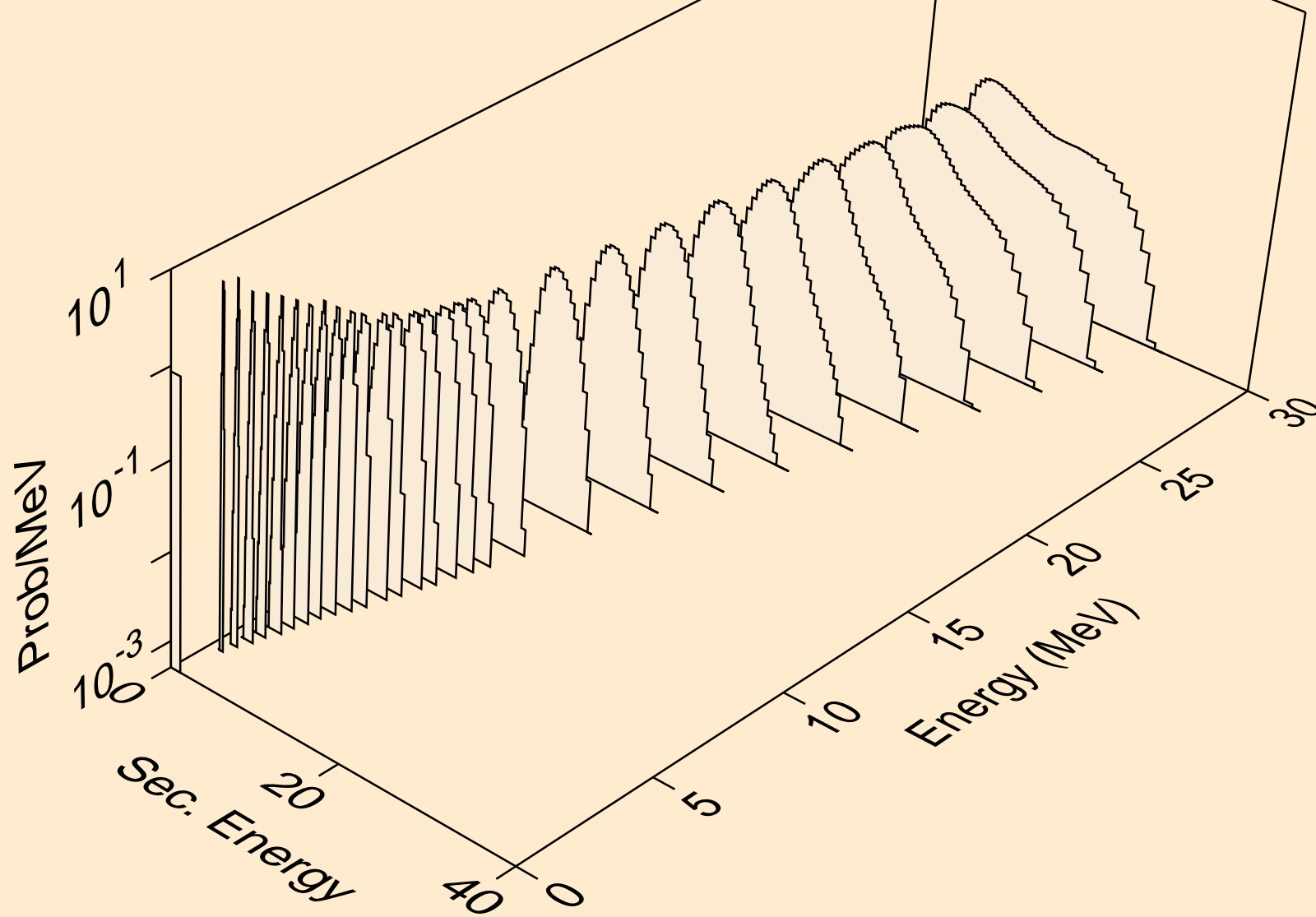
## Particle production cross sections



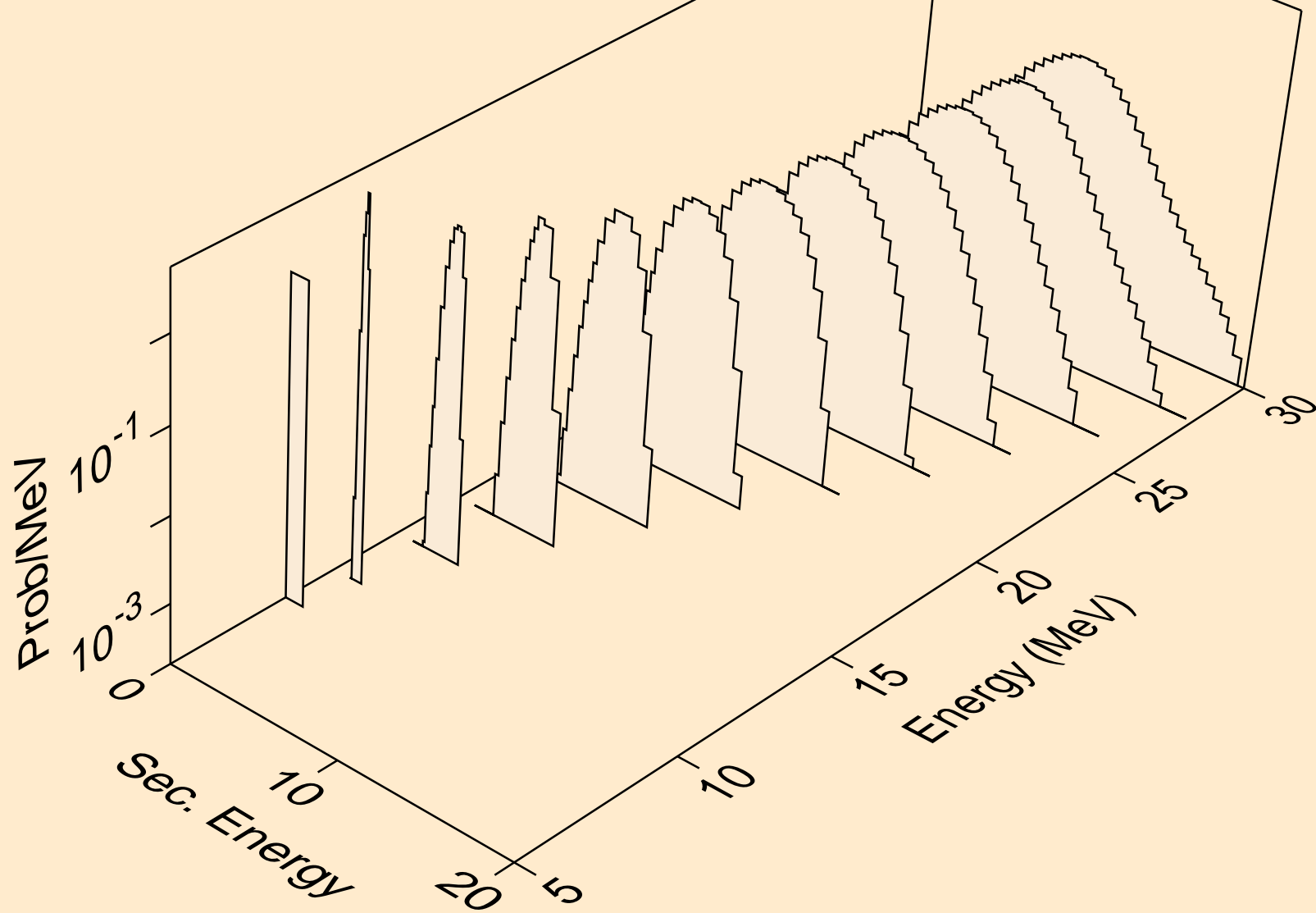
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



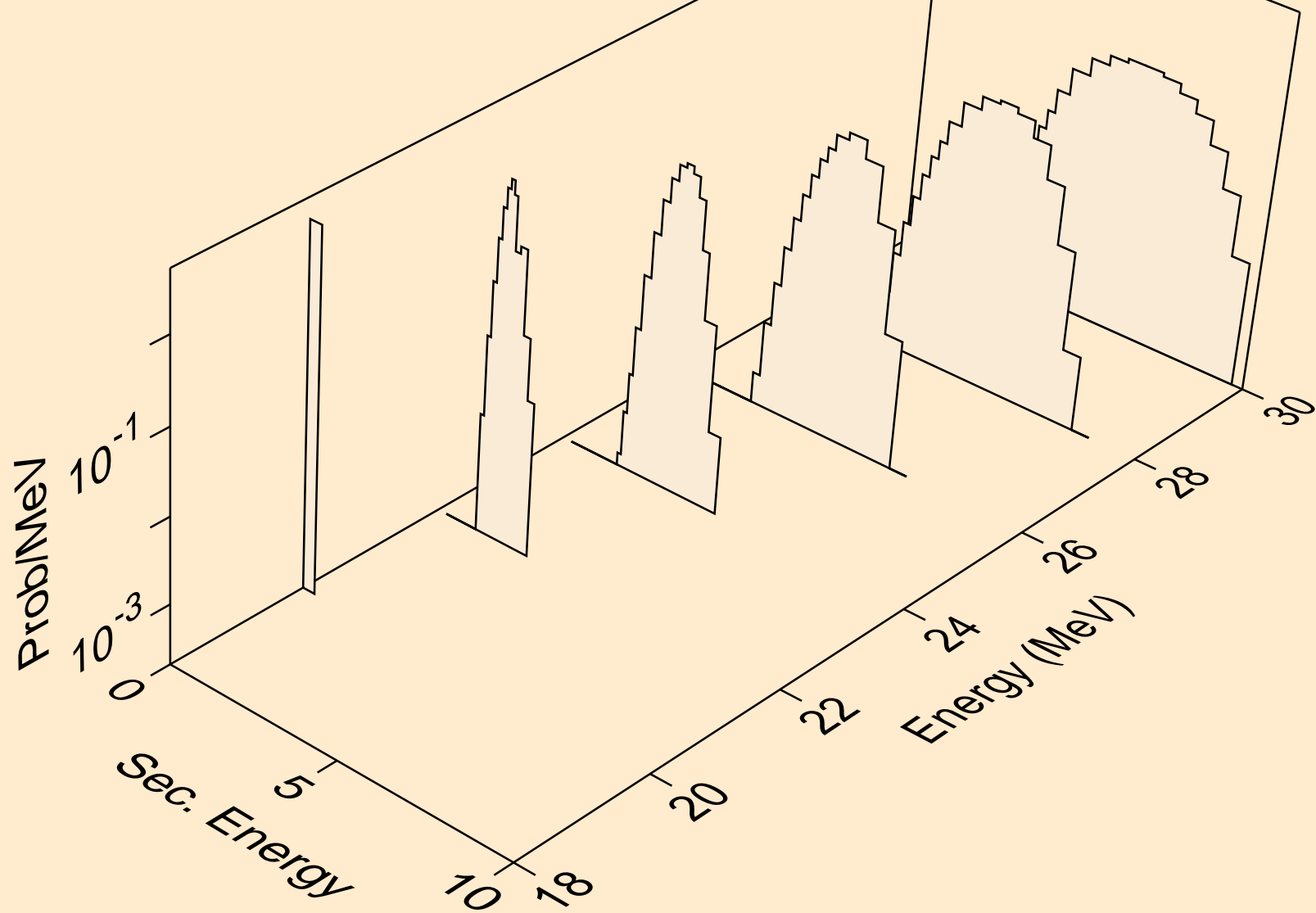
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protons from (n,n\*)p



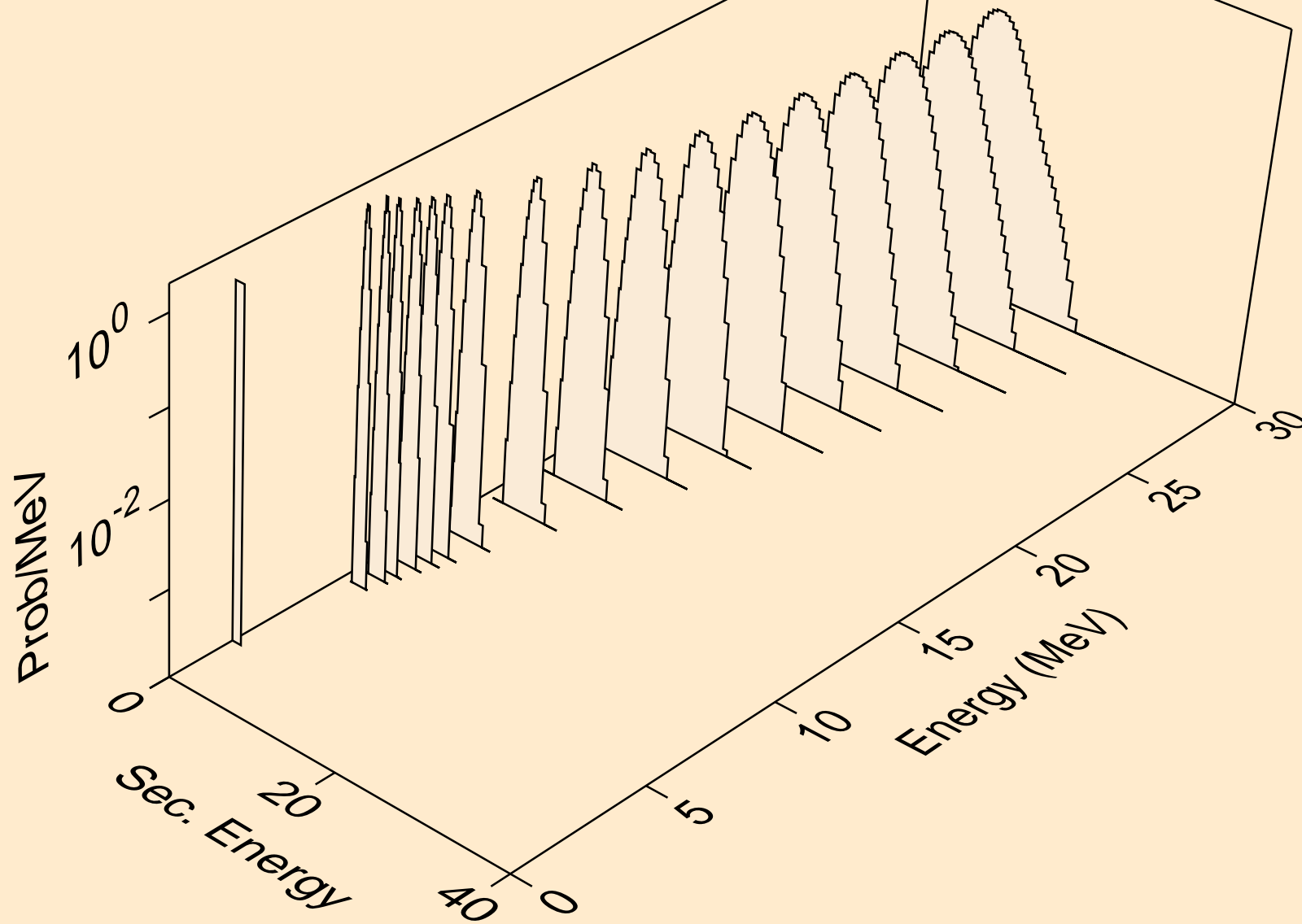
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protons from (n,2np)



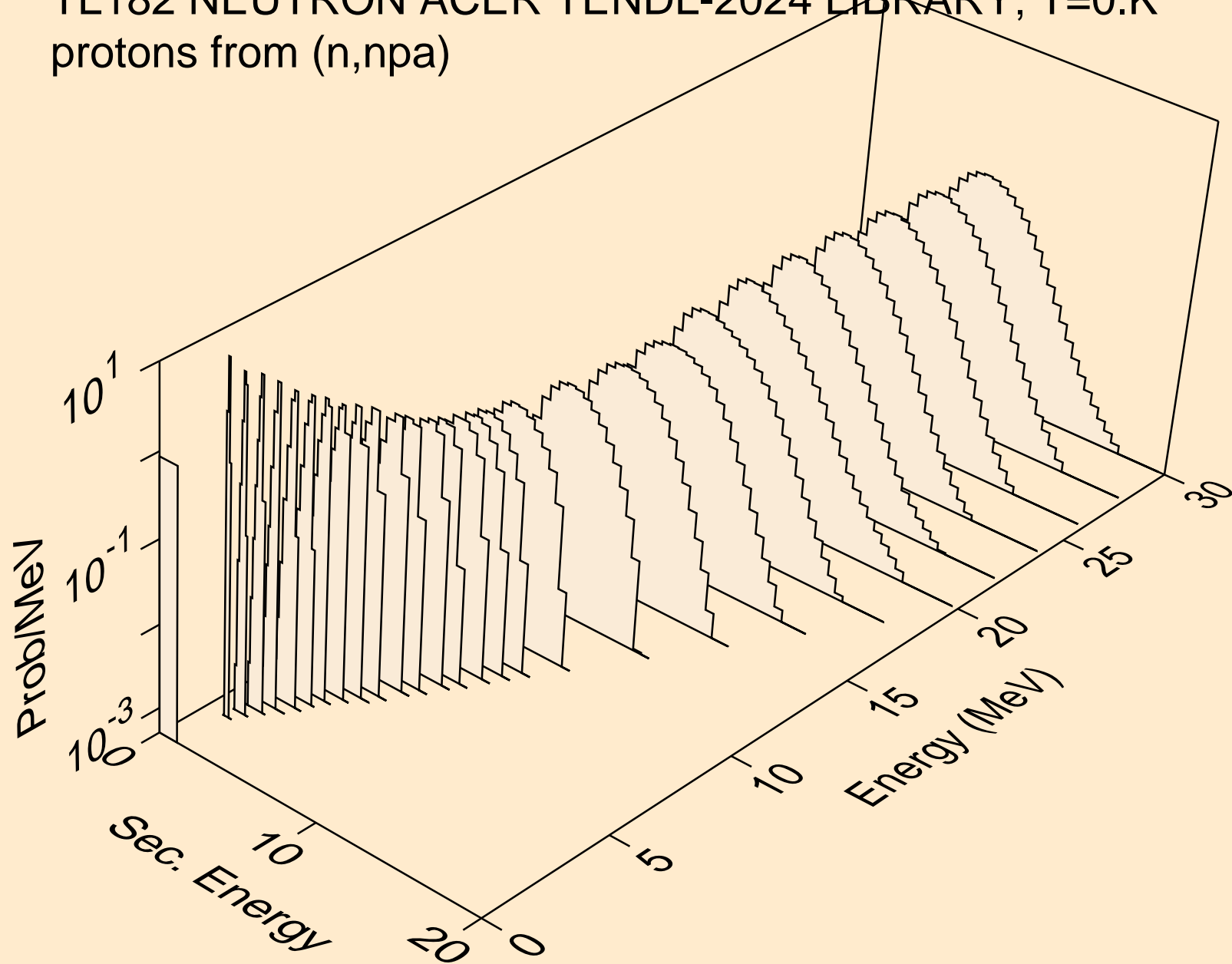
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protons from (n,3np)



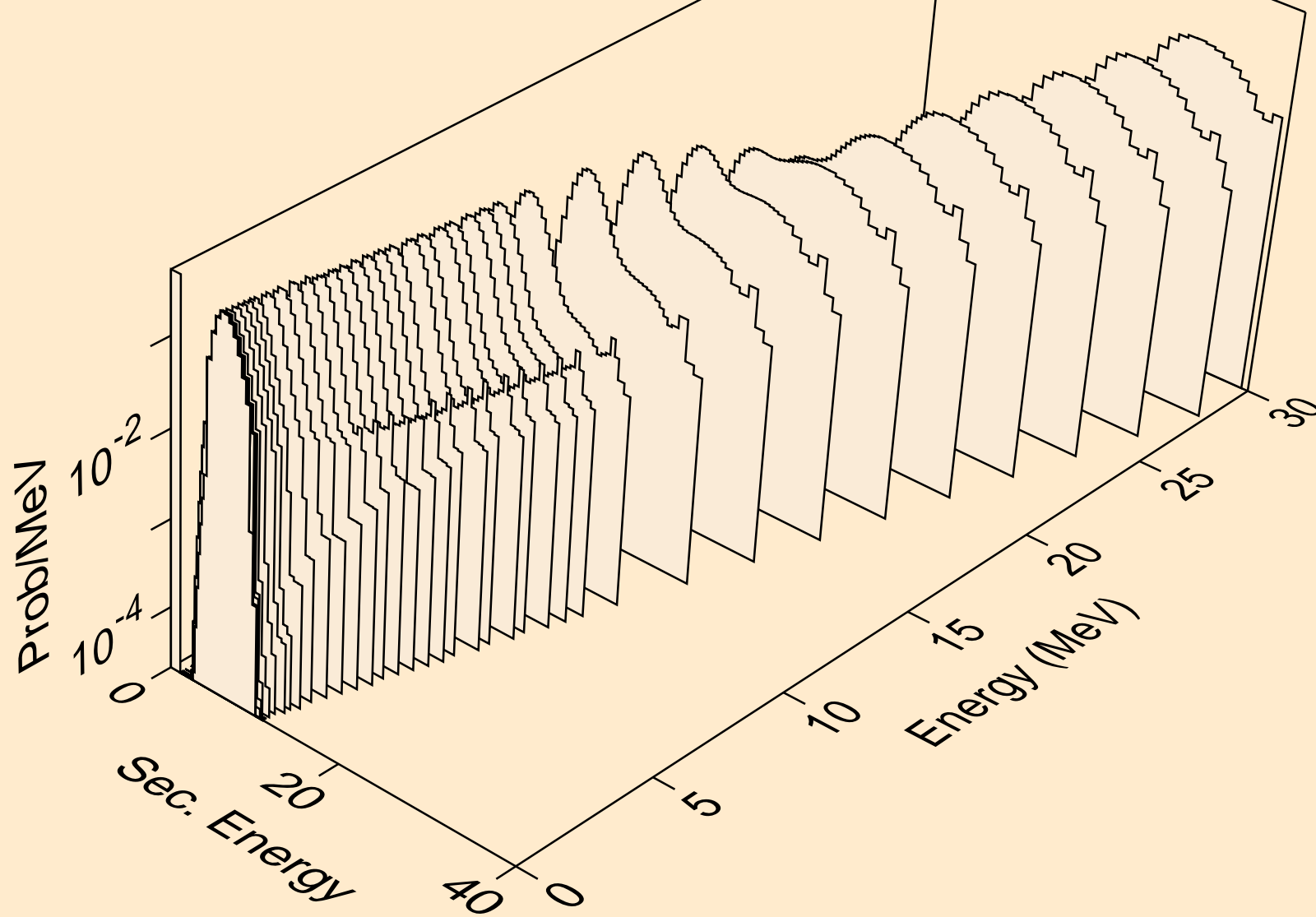
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protons from (n,n2p)



TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,npa)

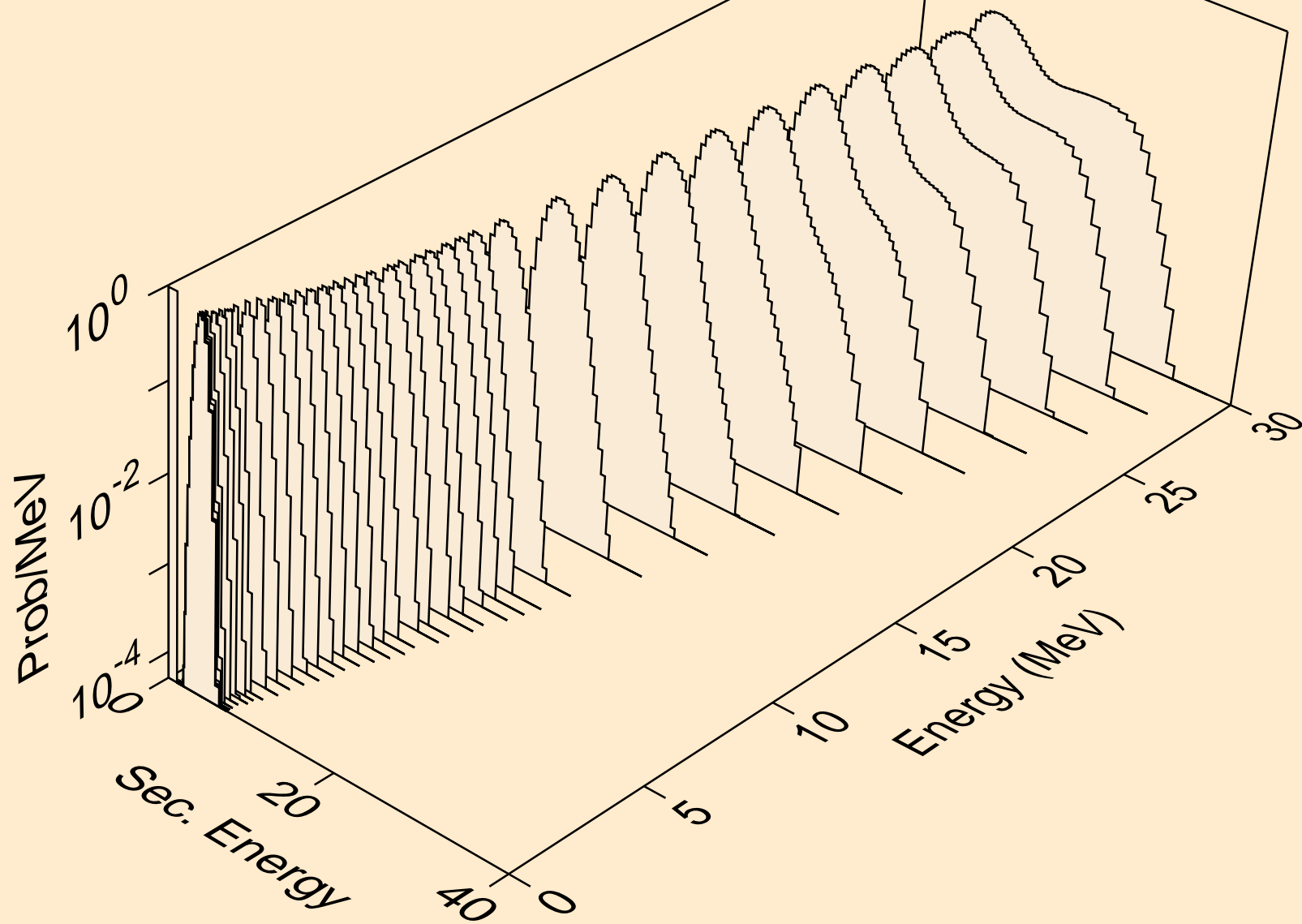


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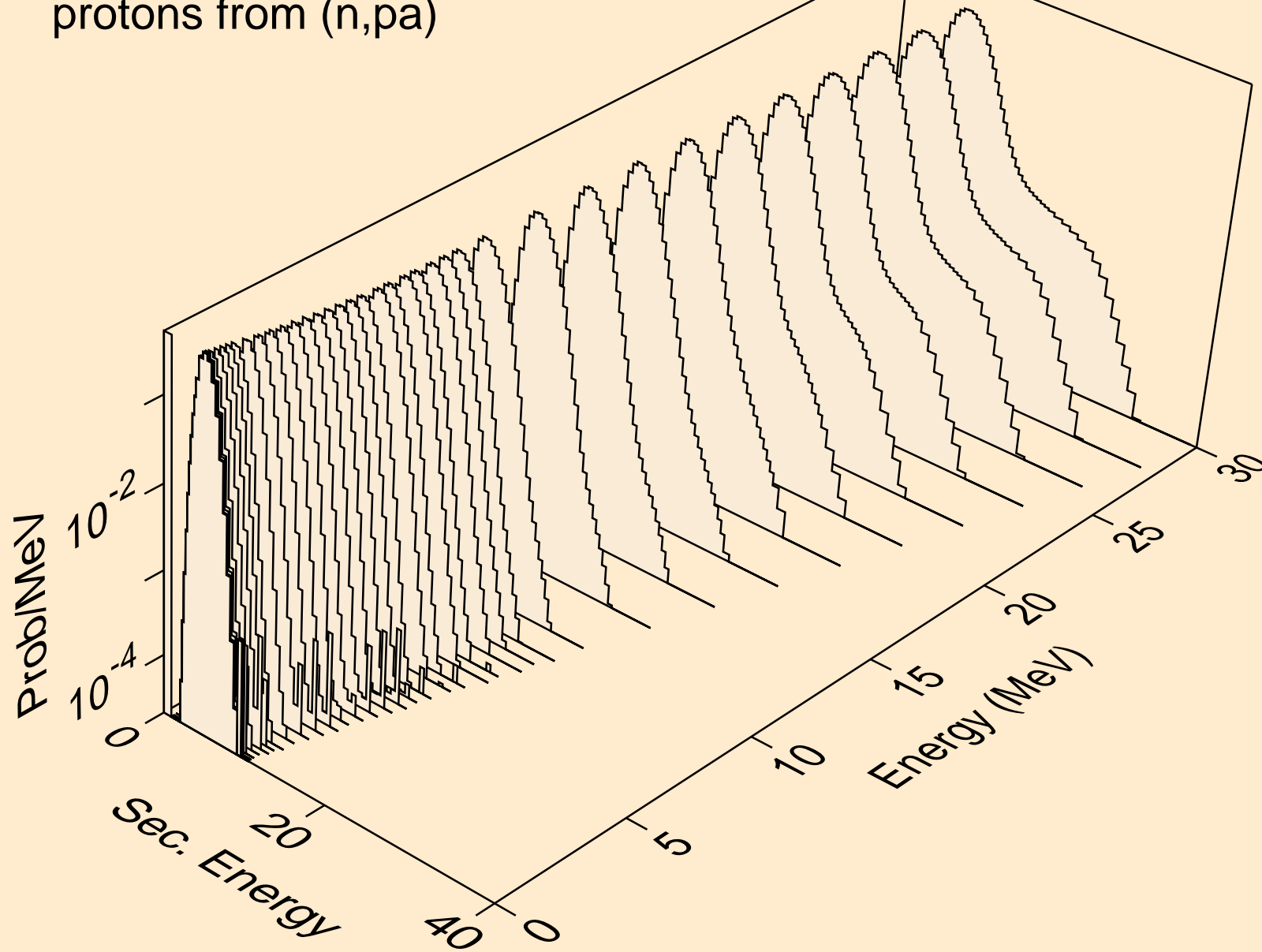




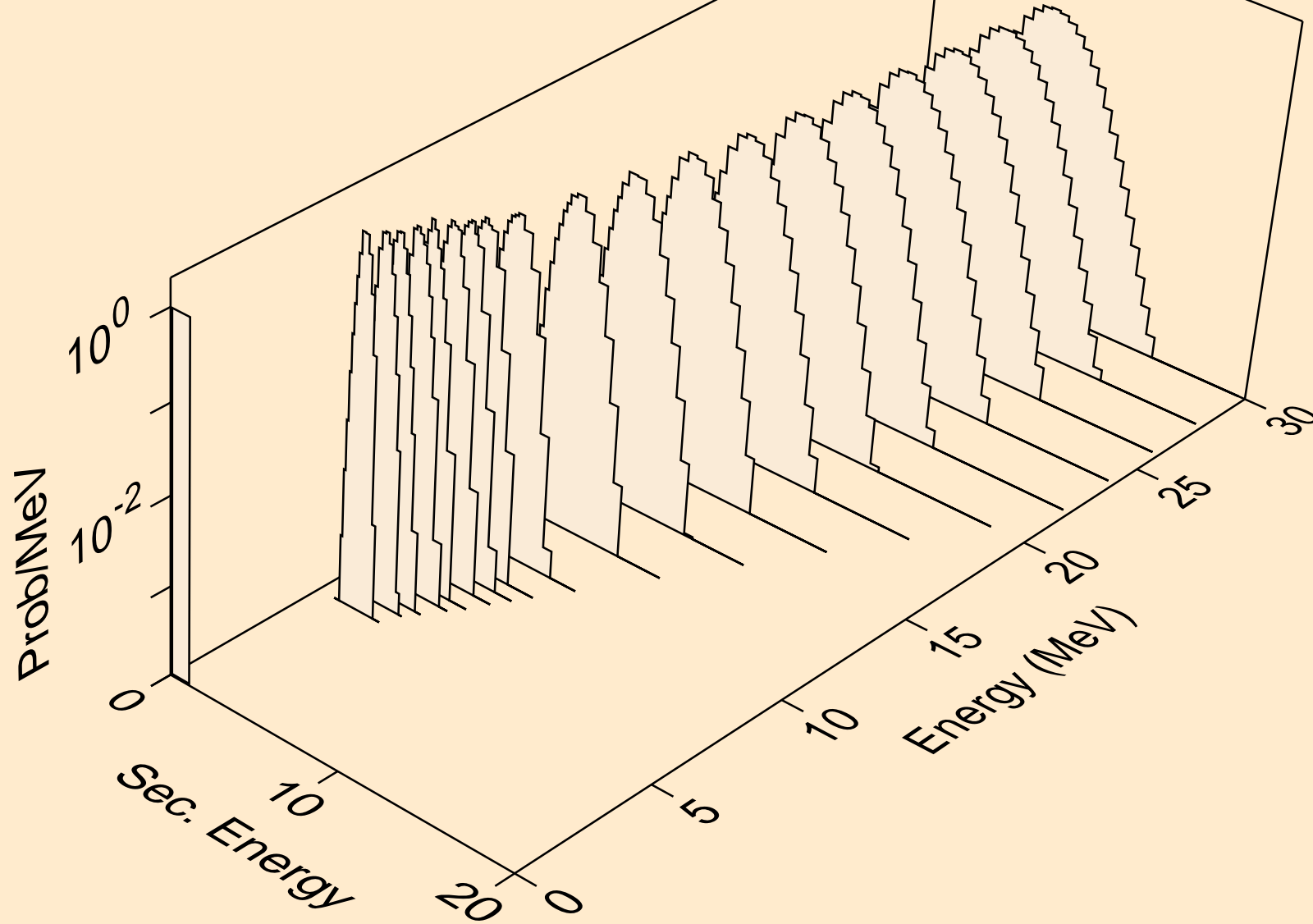
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protons from (n,2p)



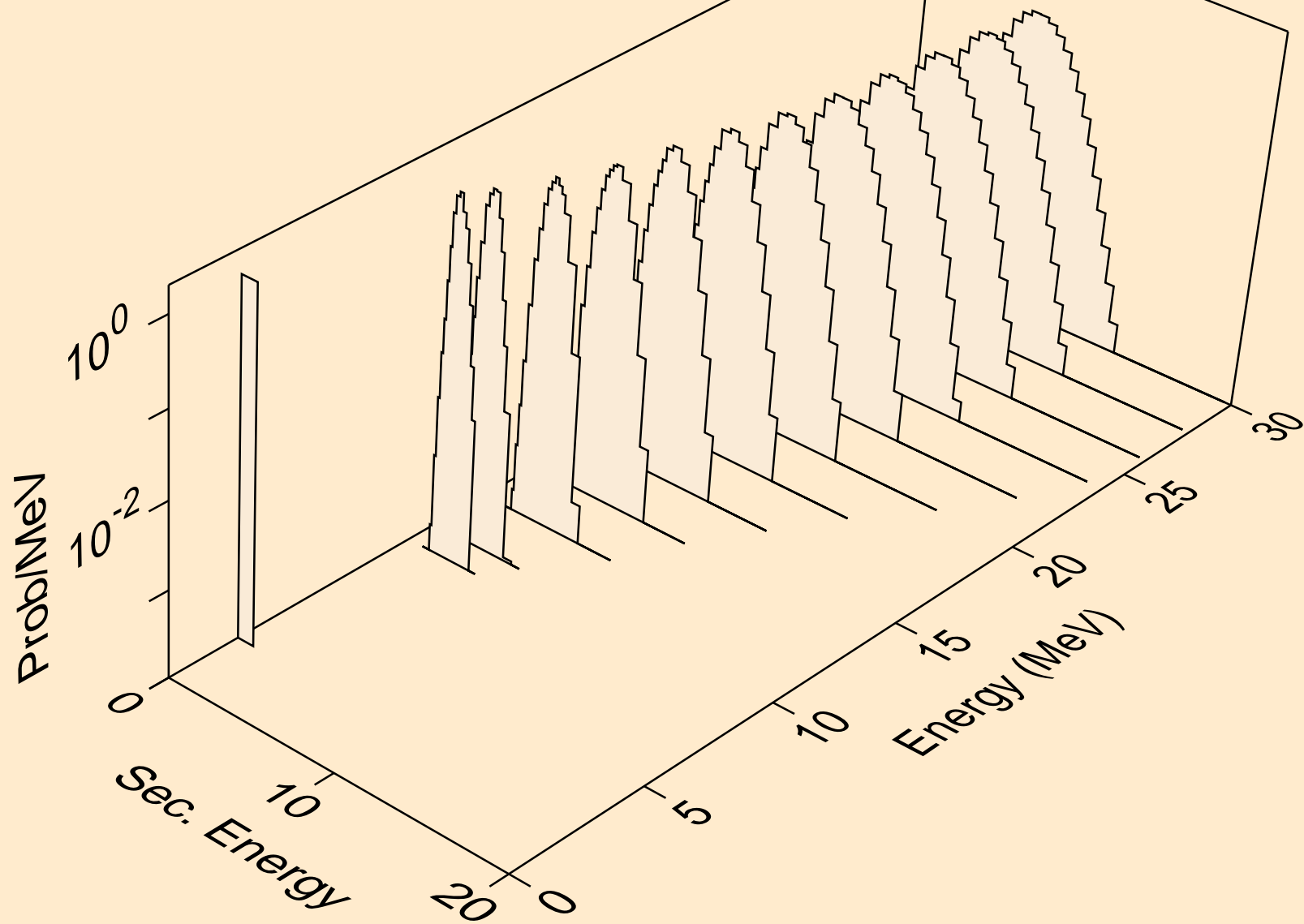
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protons from (n,p)



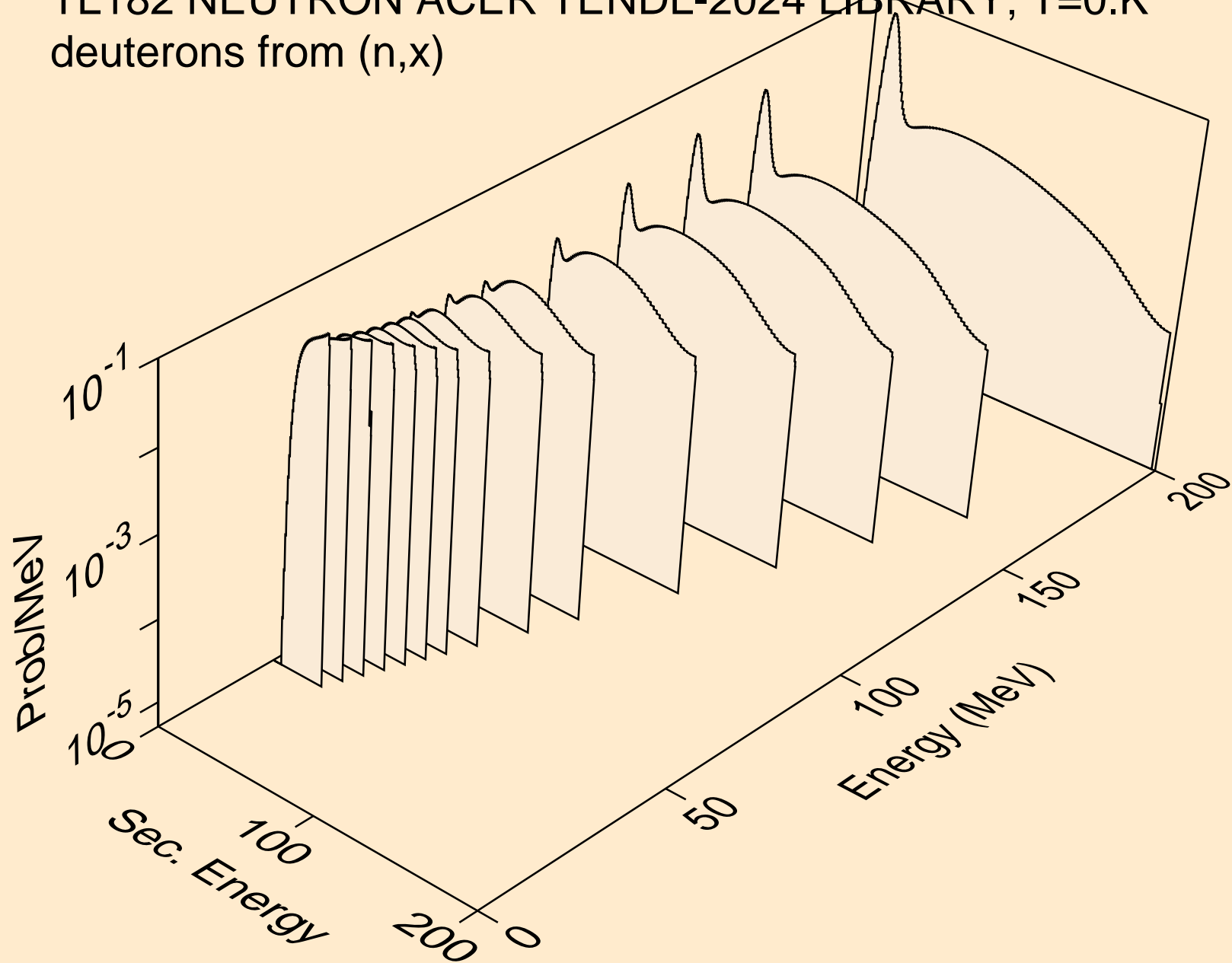
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pd)



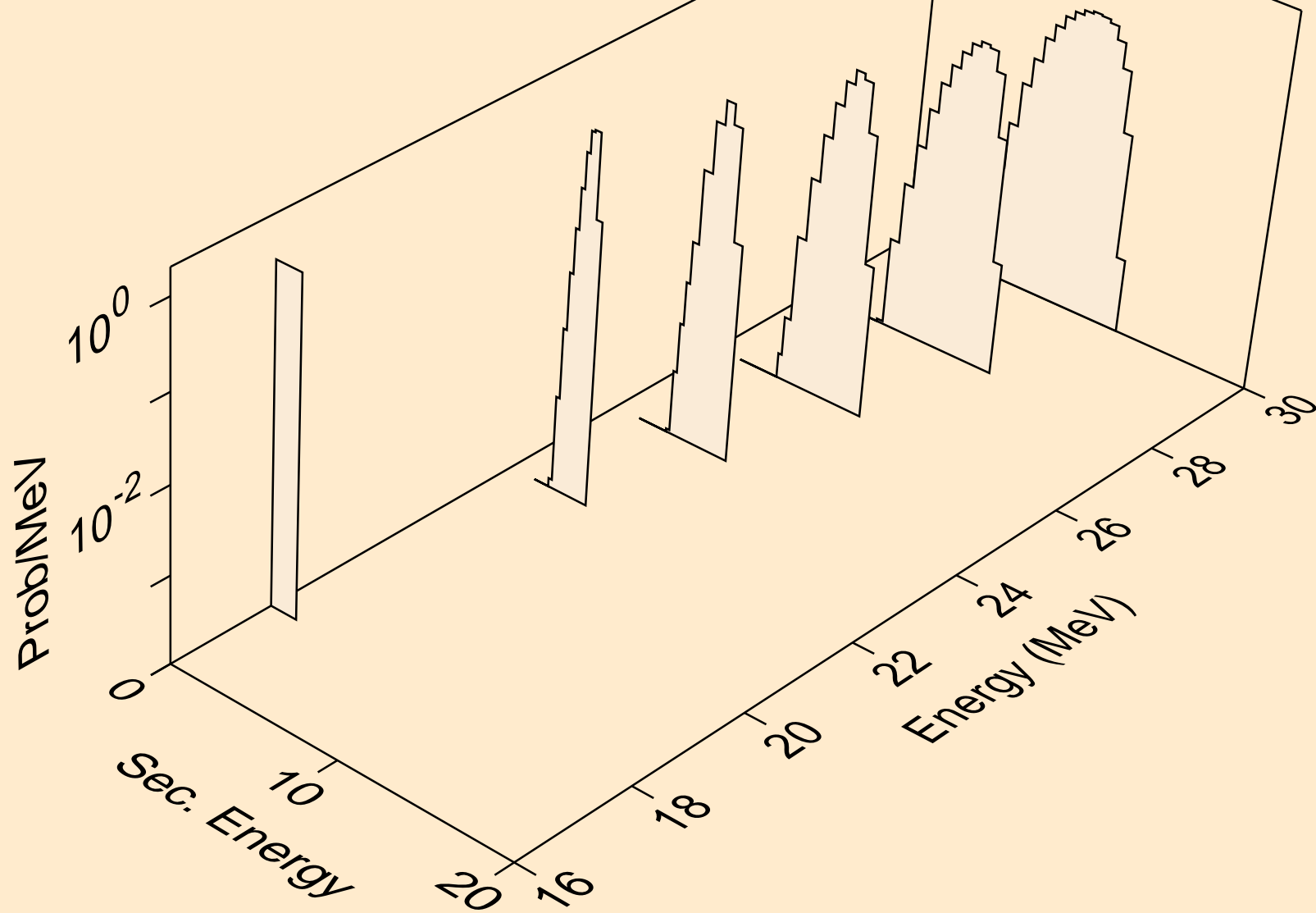
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protons from (n,pt)



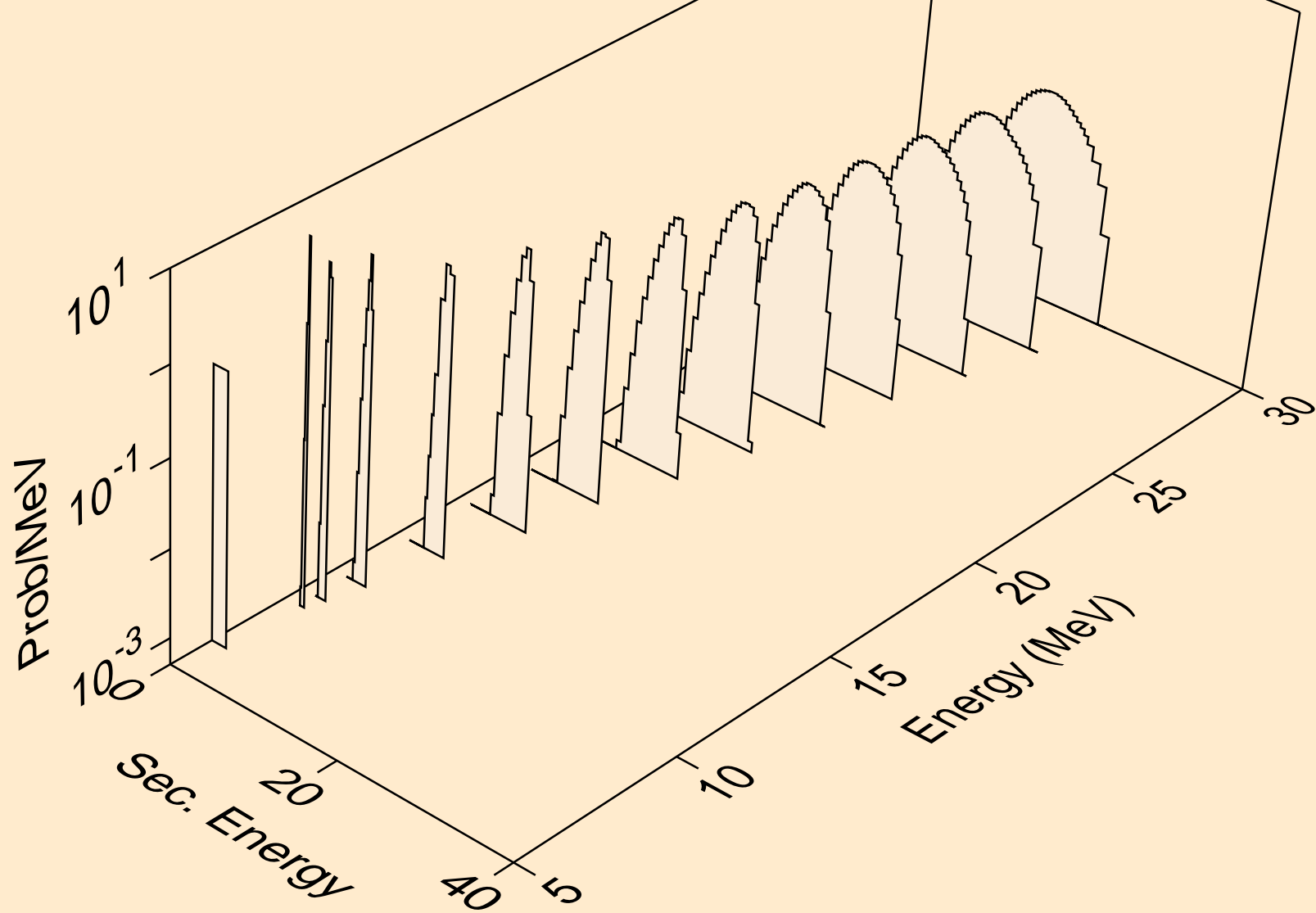
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)



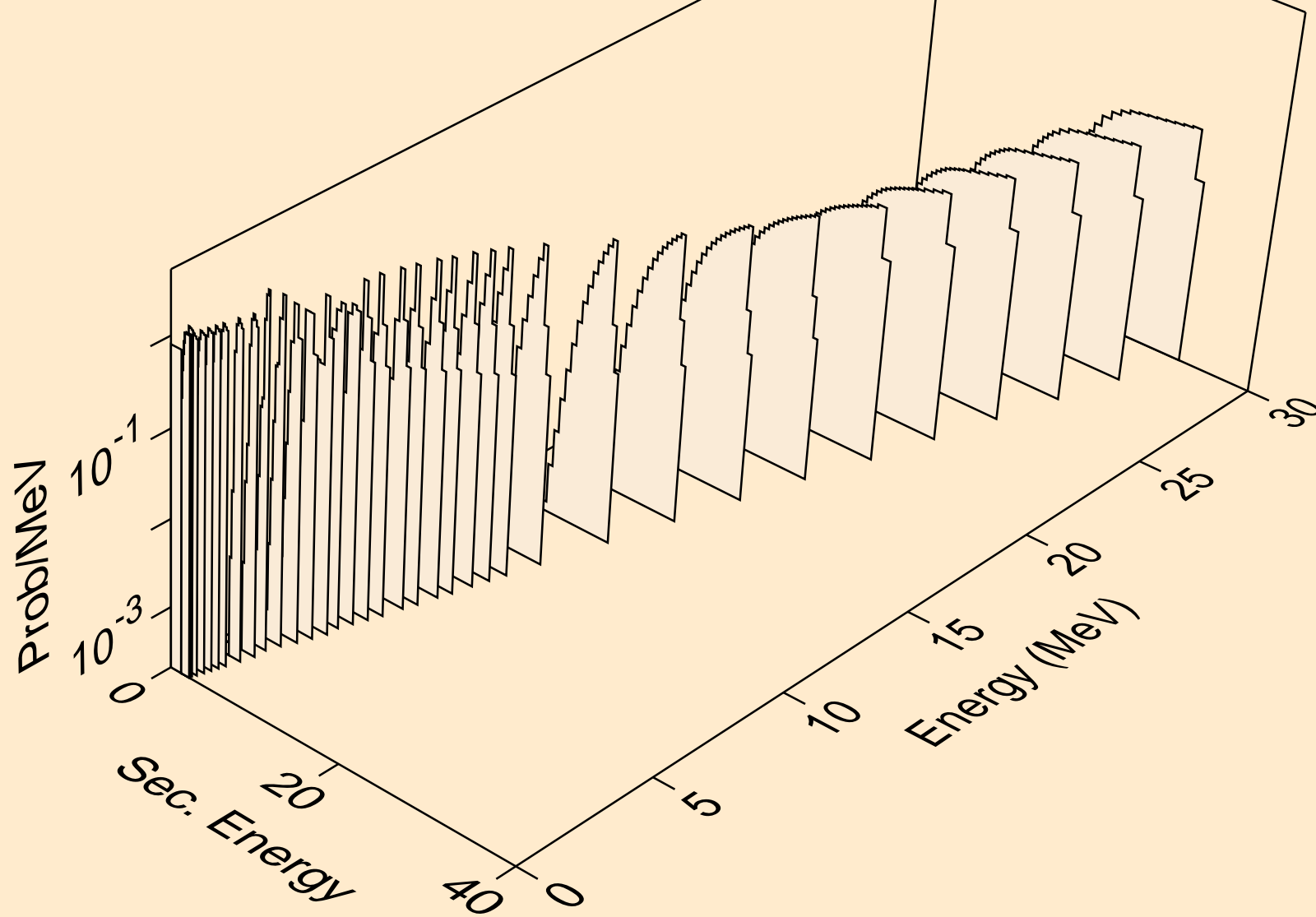
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,2nd)



TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,n\*)d

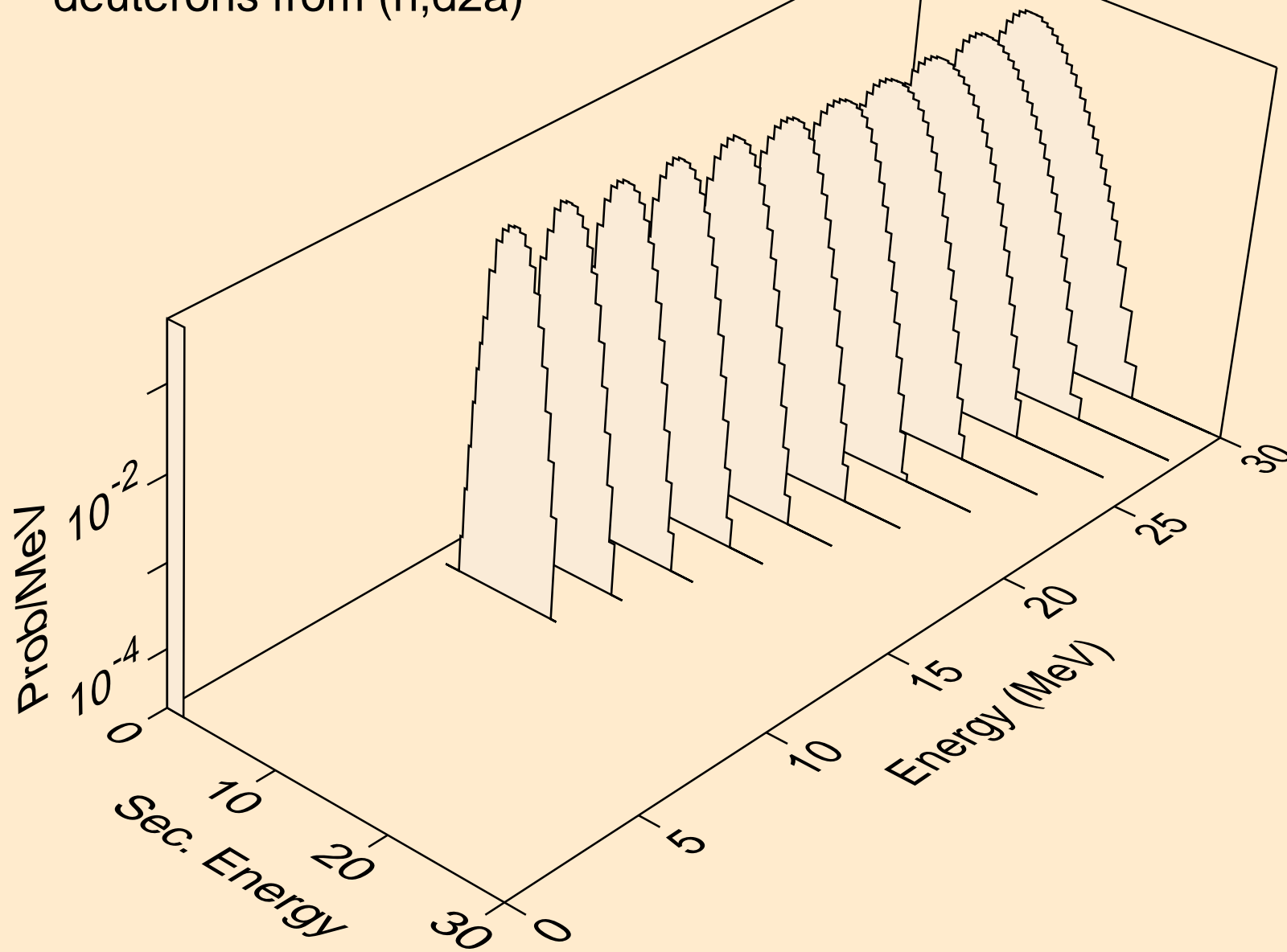


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deuterons from (n,d)

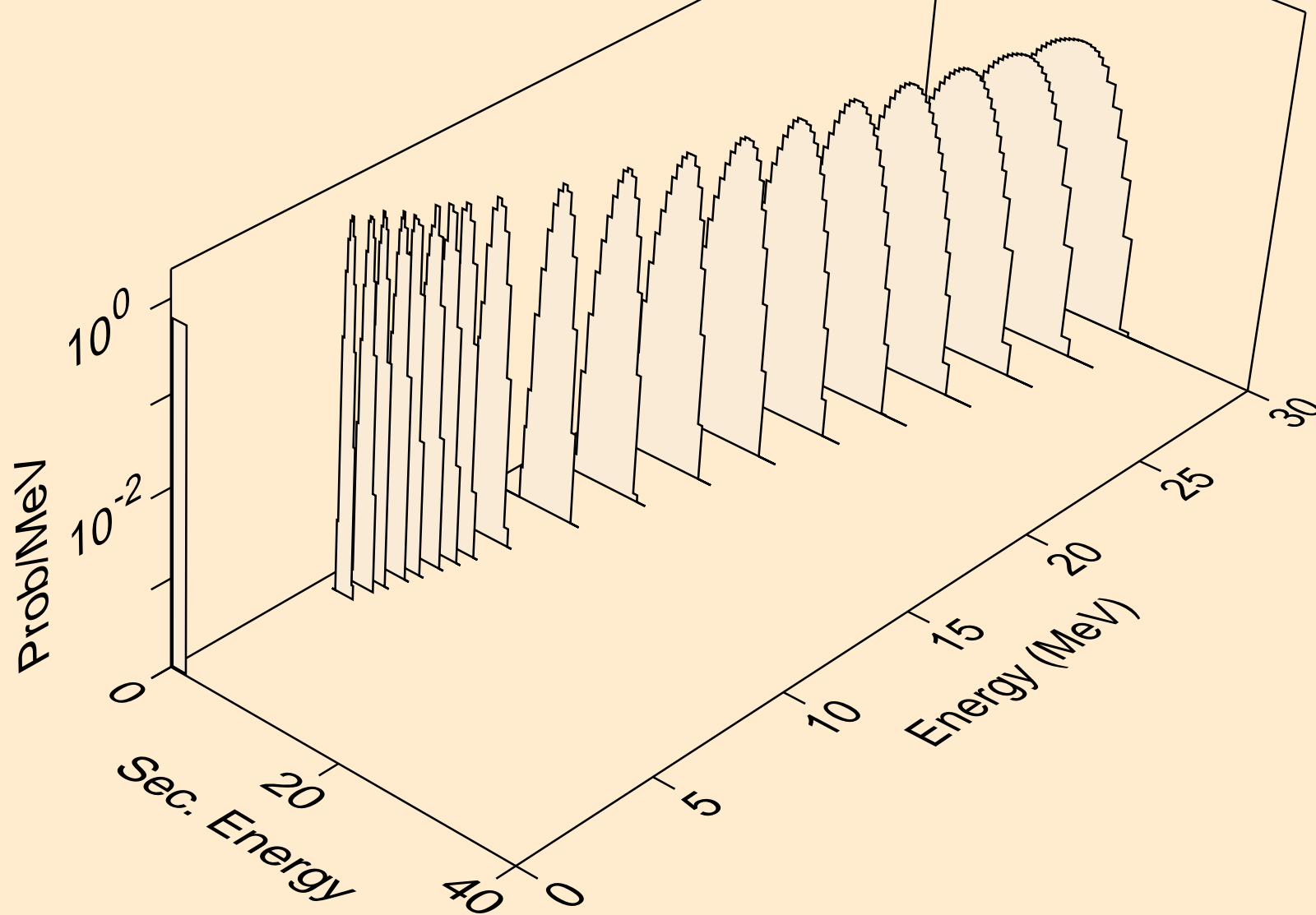




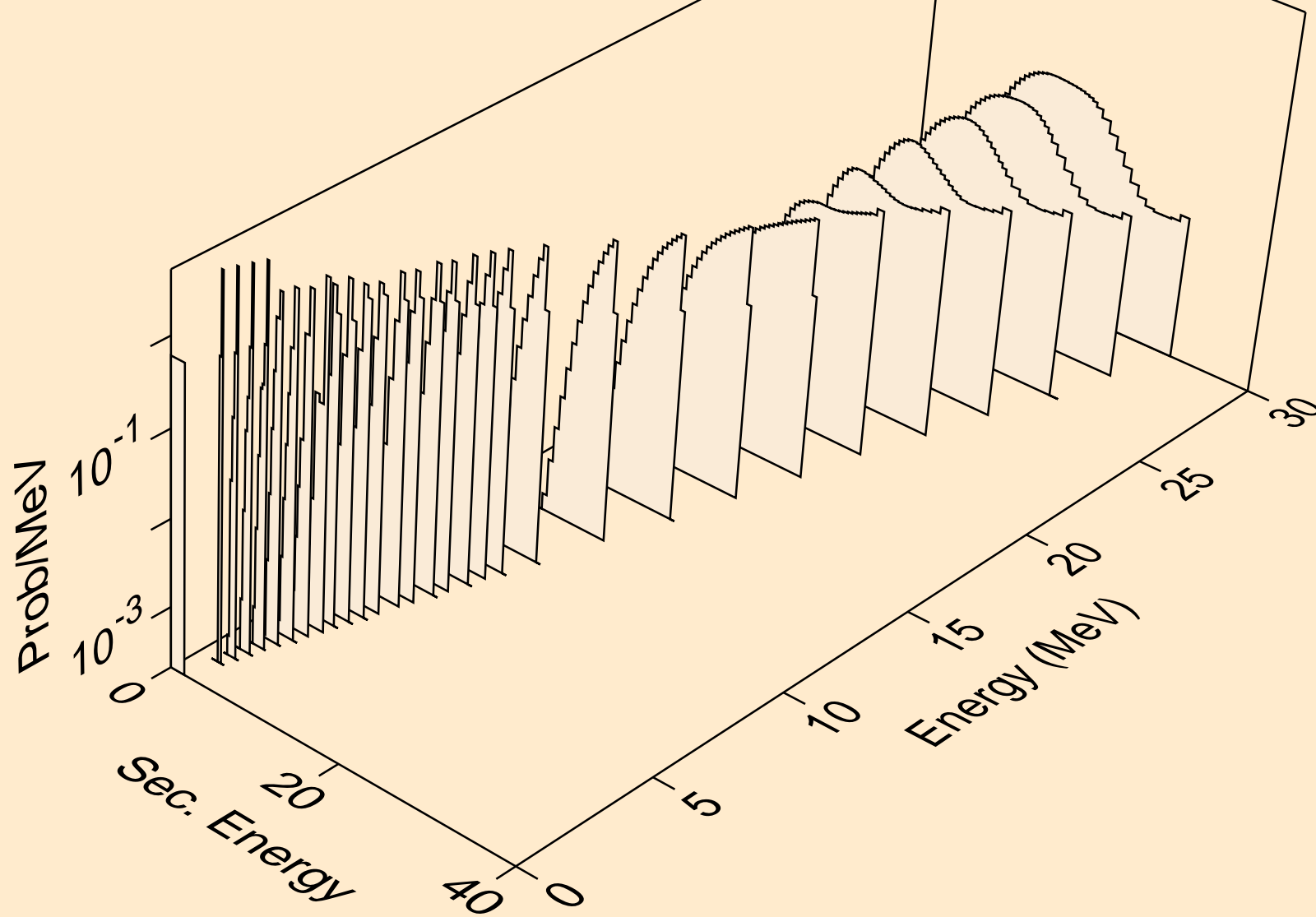
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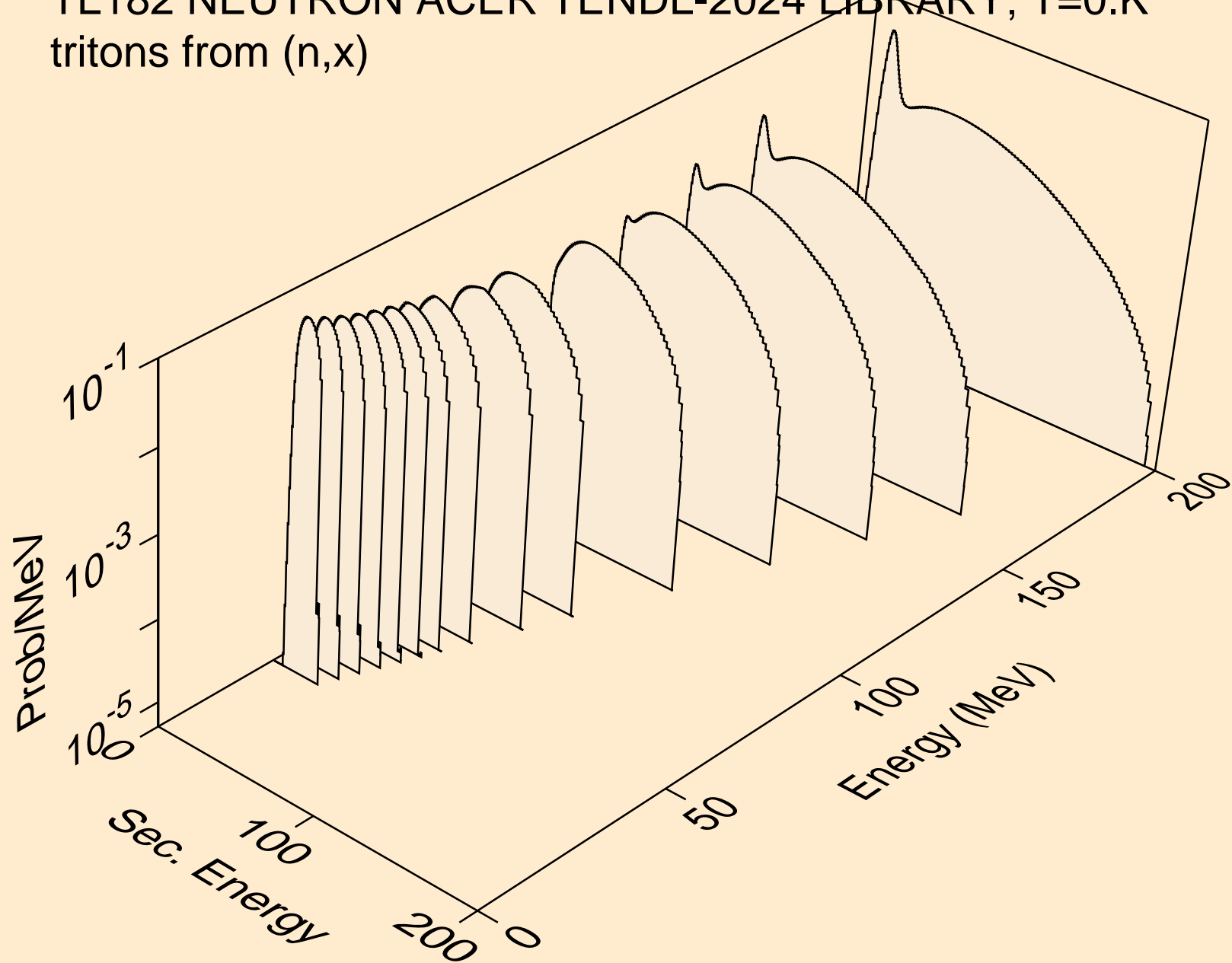
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deuterons from (n,pd)



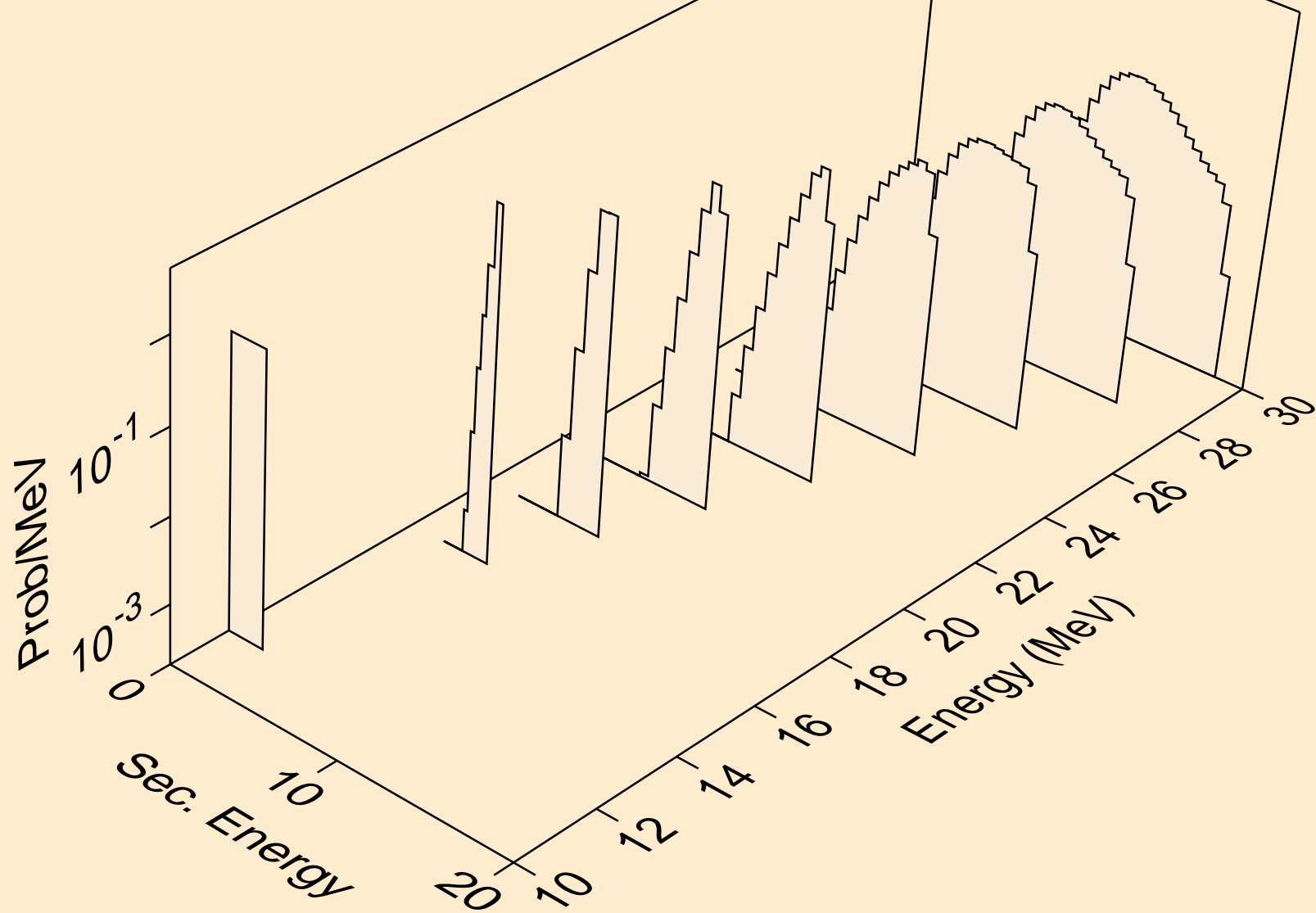
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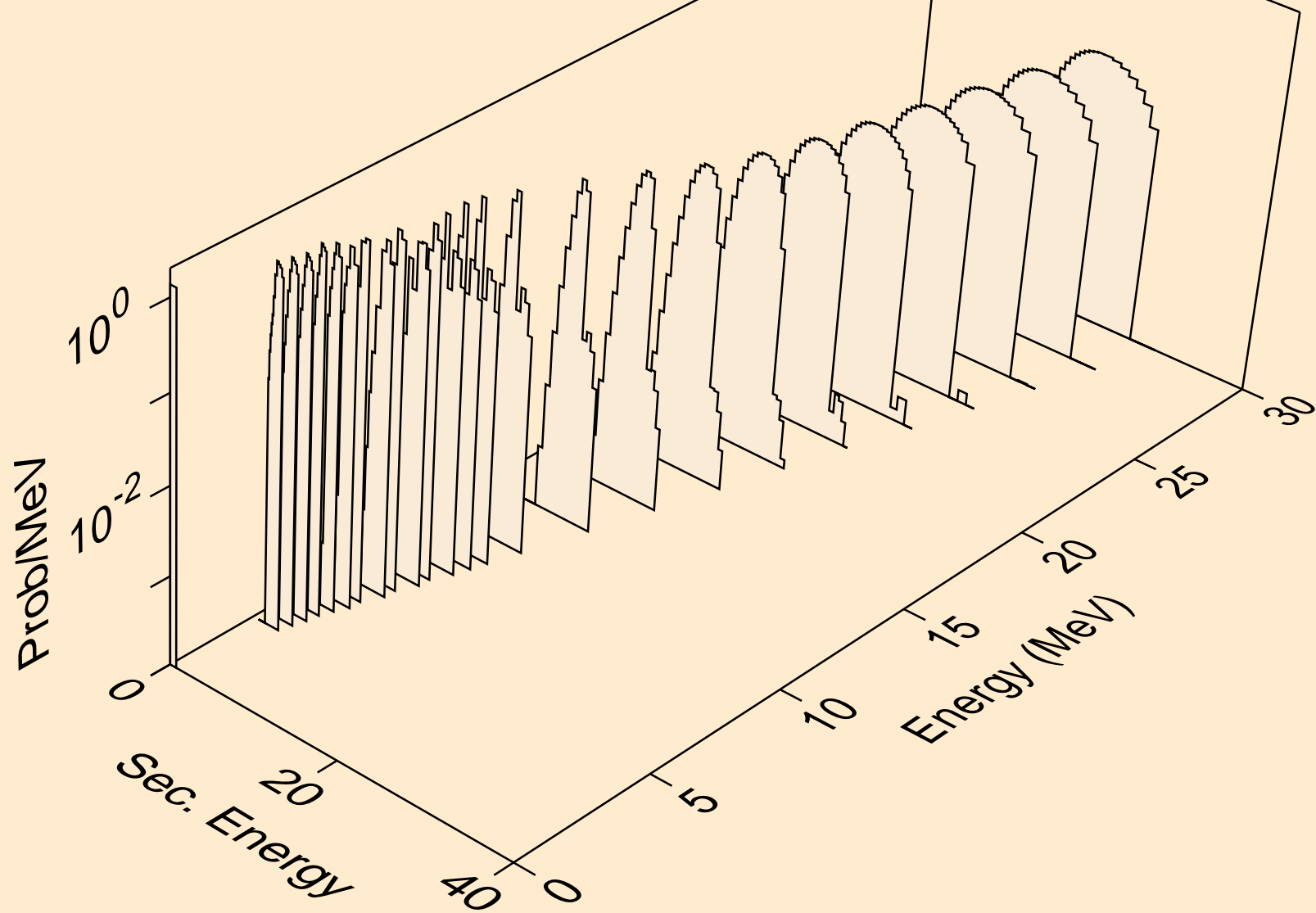
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)



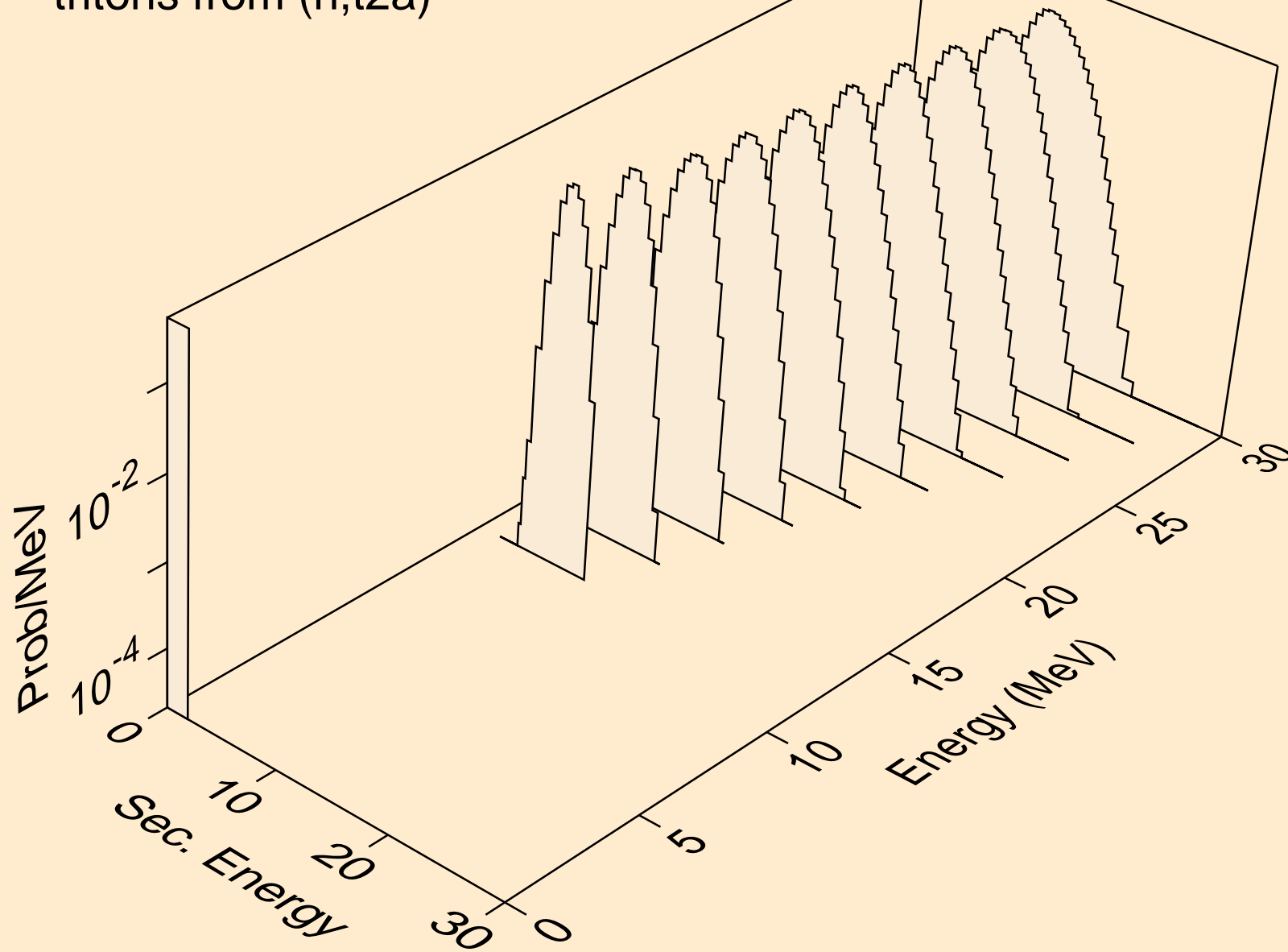
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



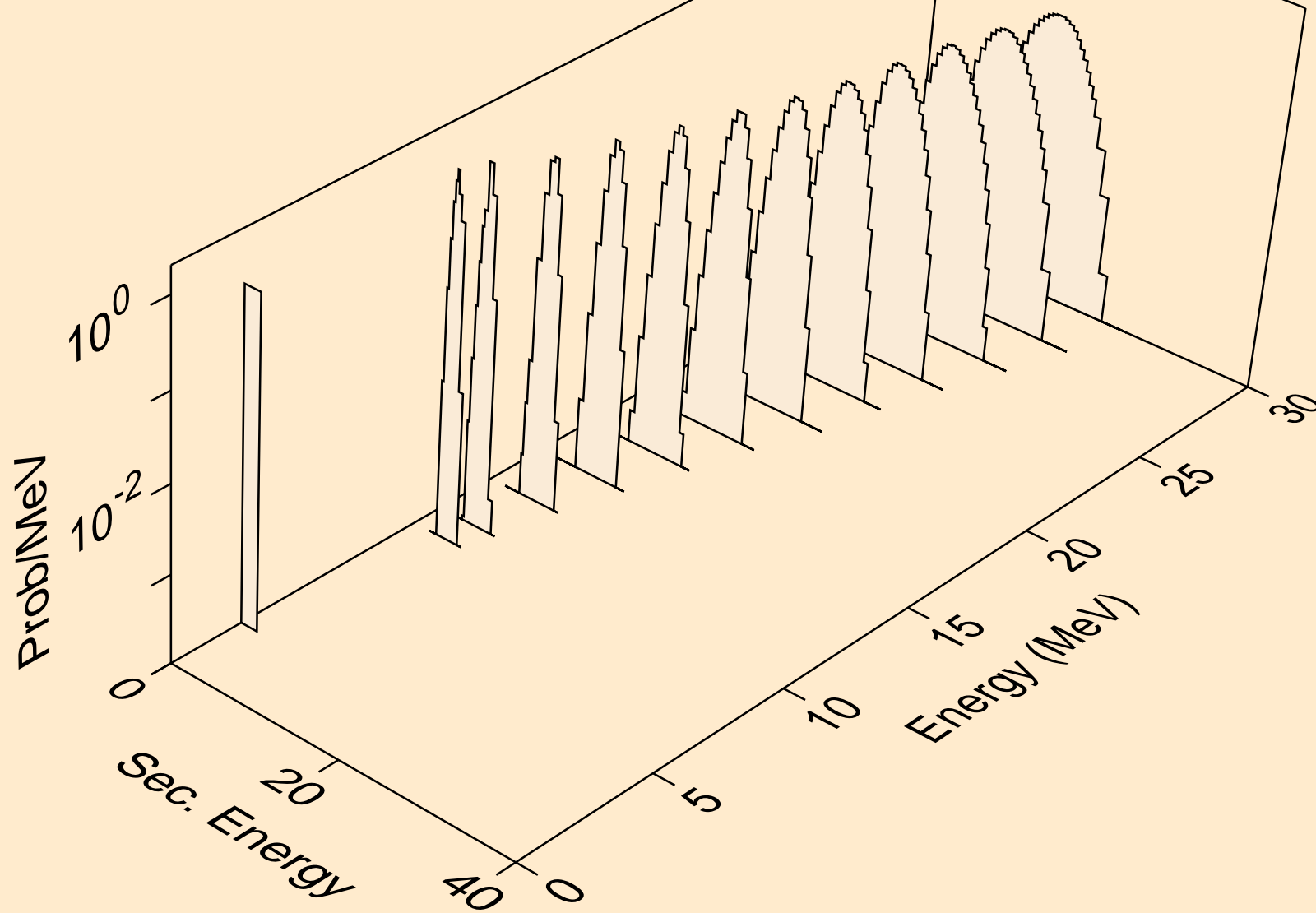
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,t)



TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,t2a)

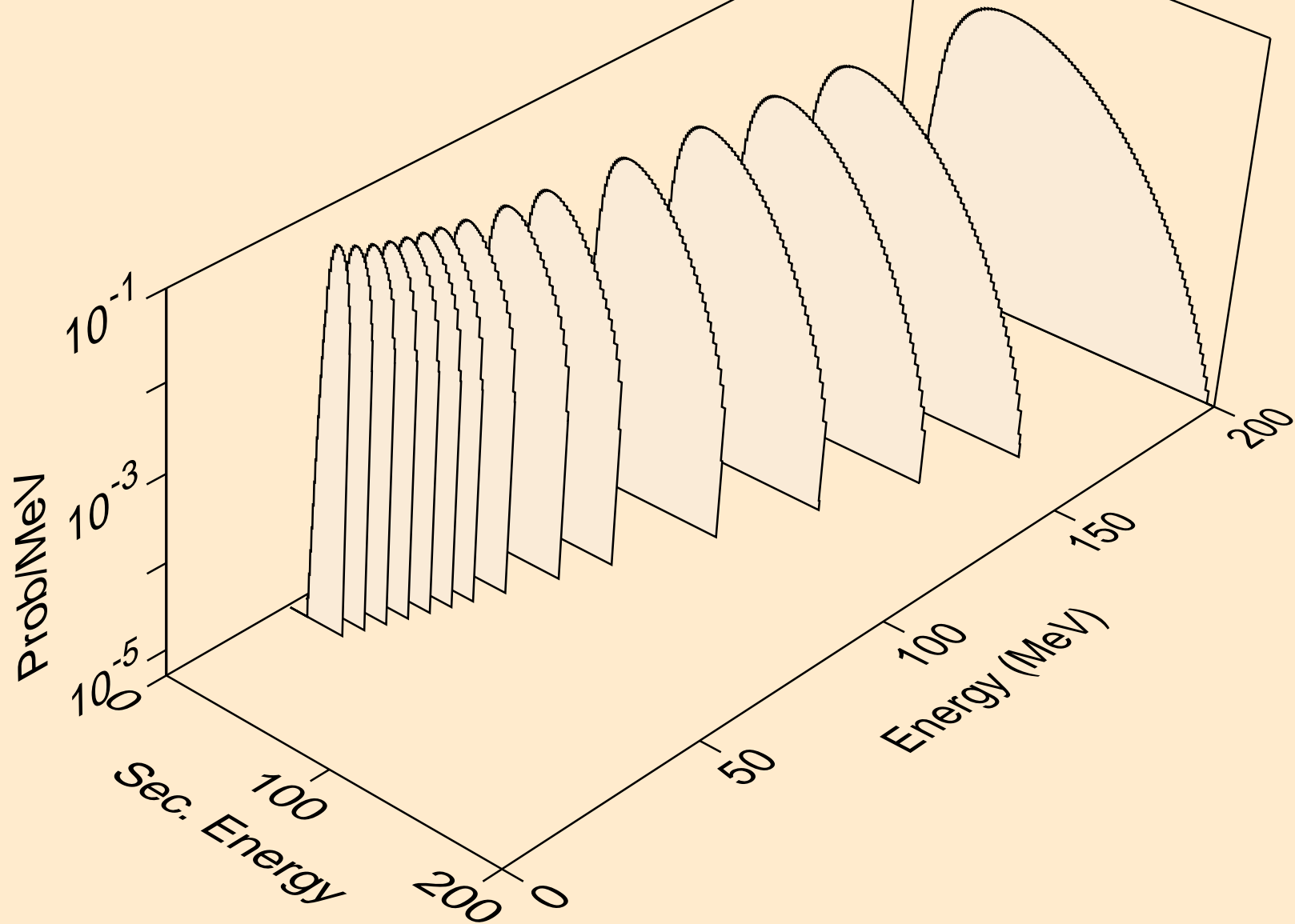


TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,pt)

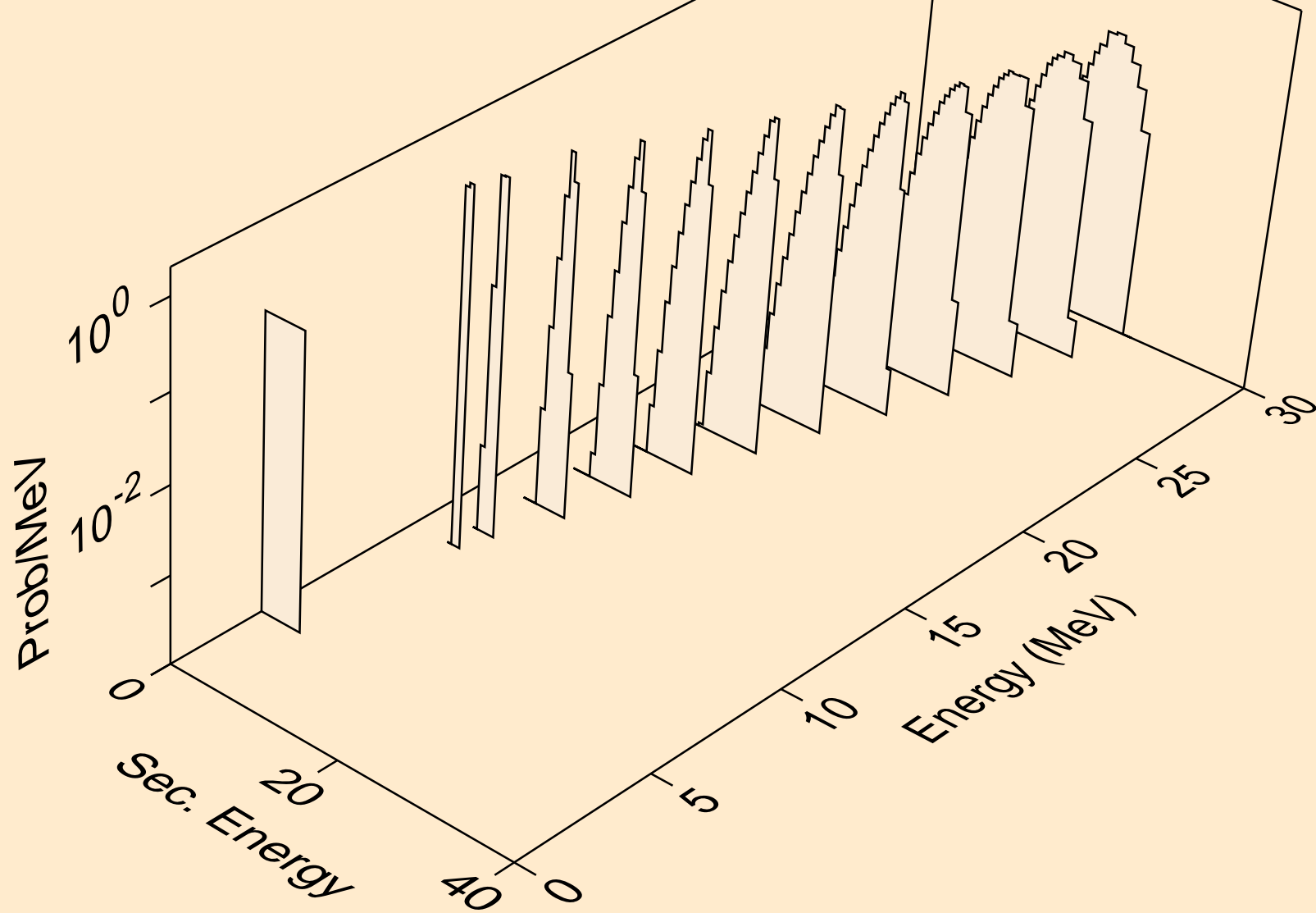




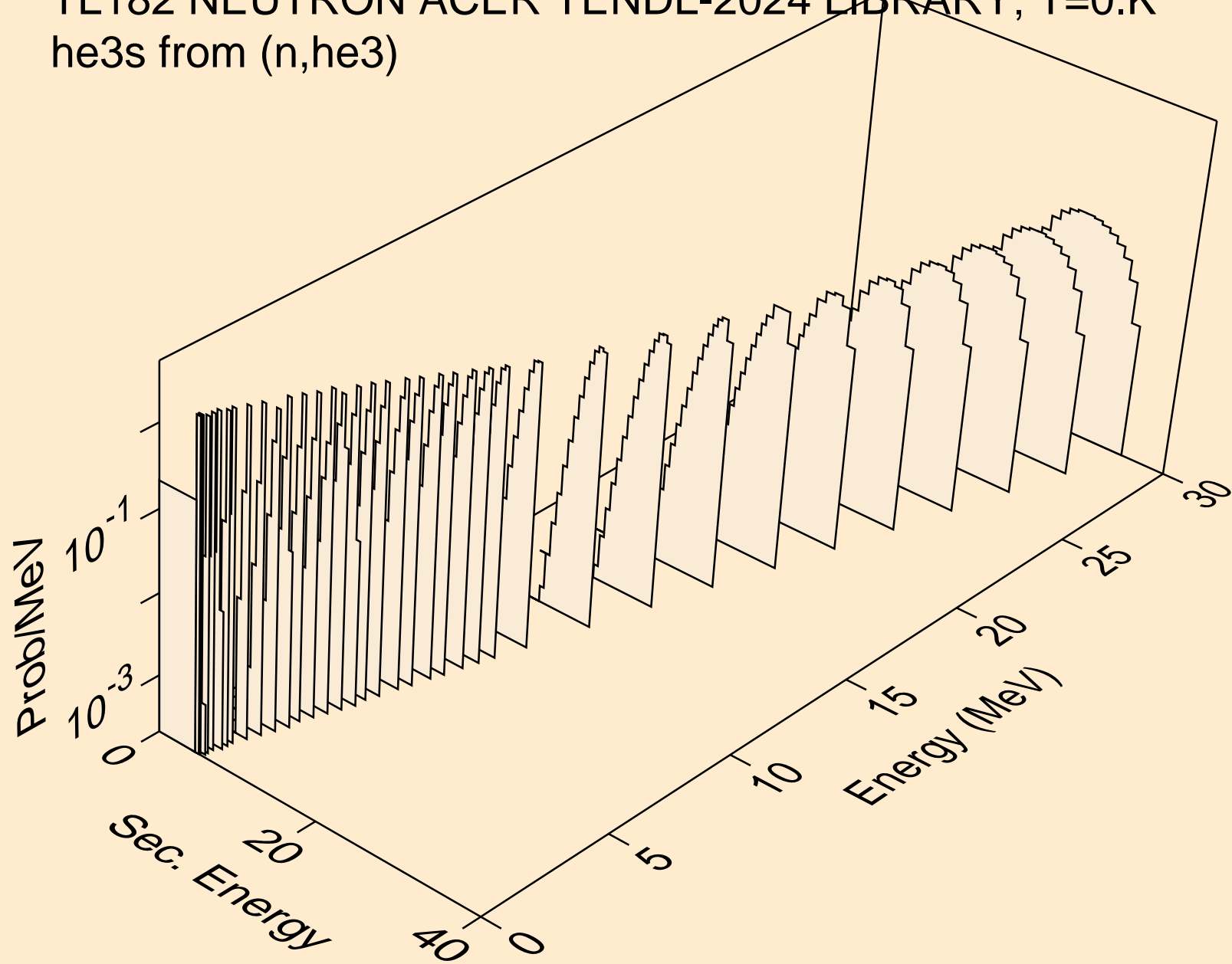
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)



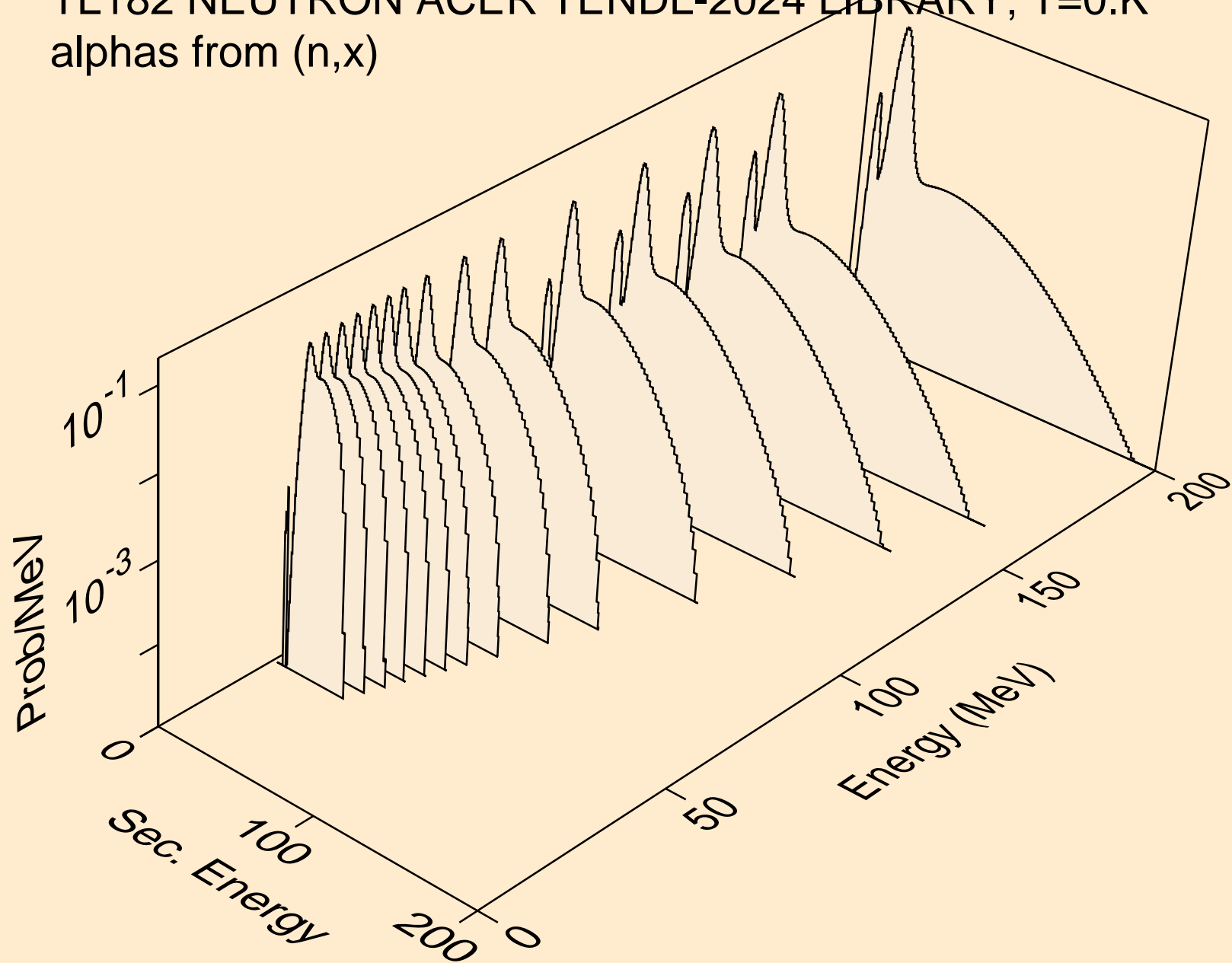
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3



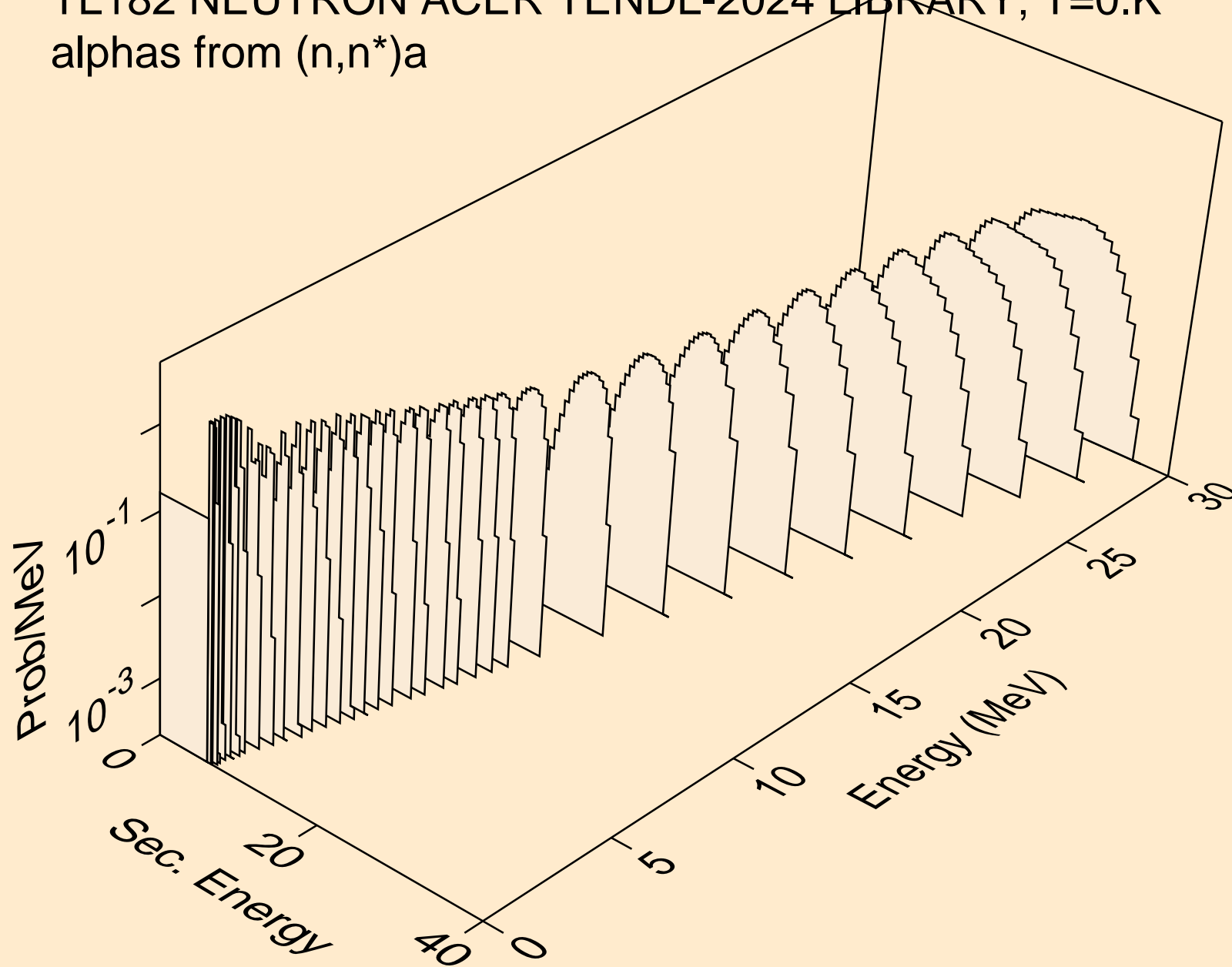
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he3s from (n,he3)



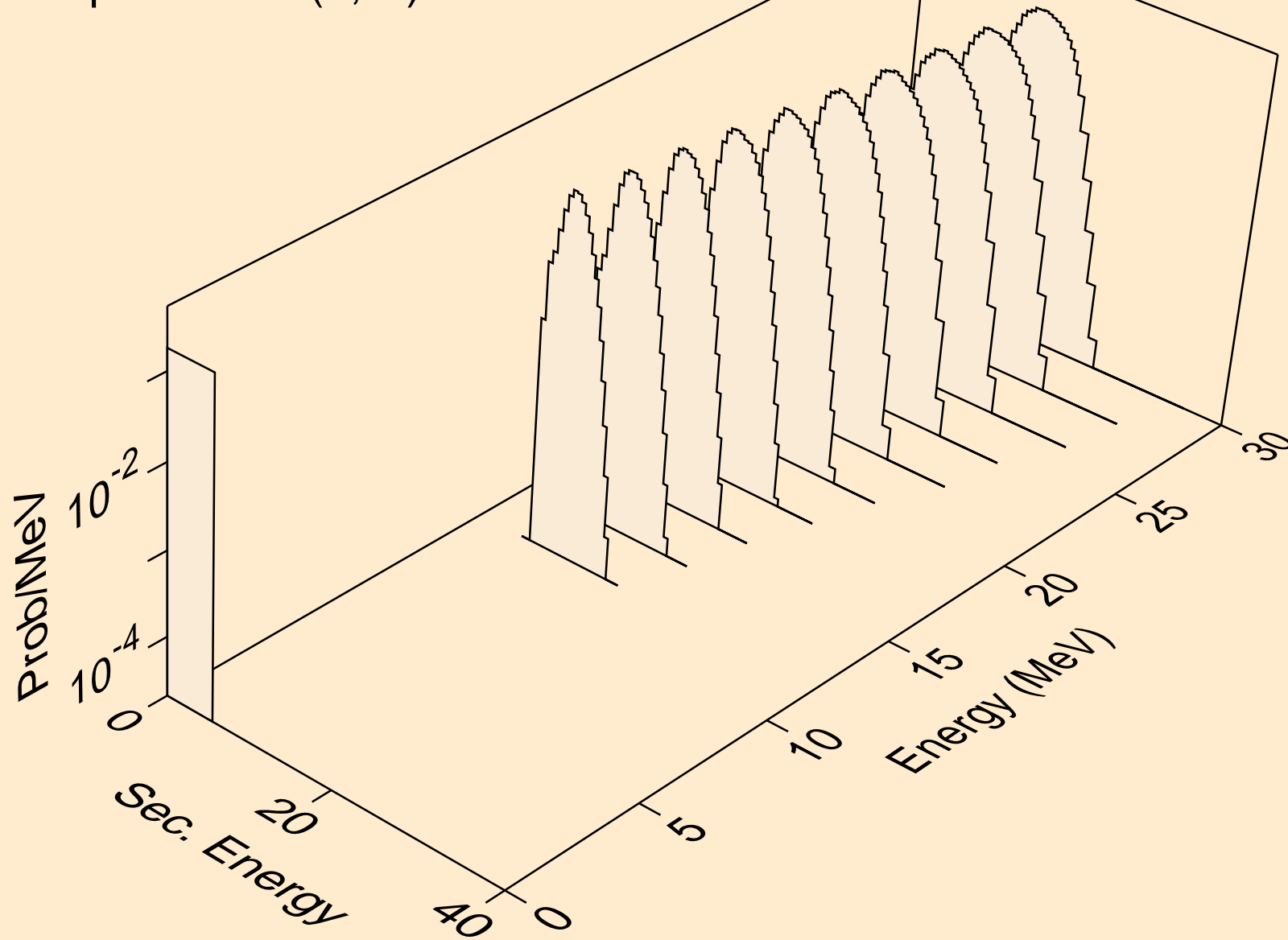
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alphas from (n,x)



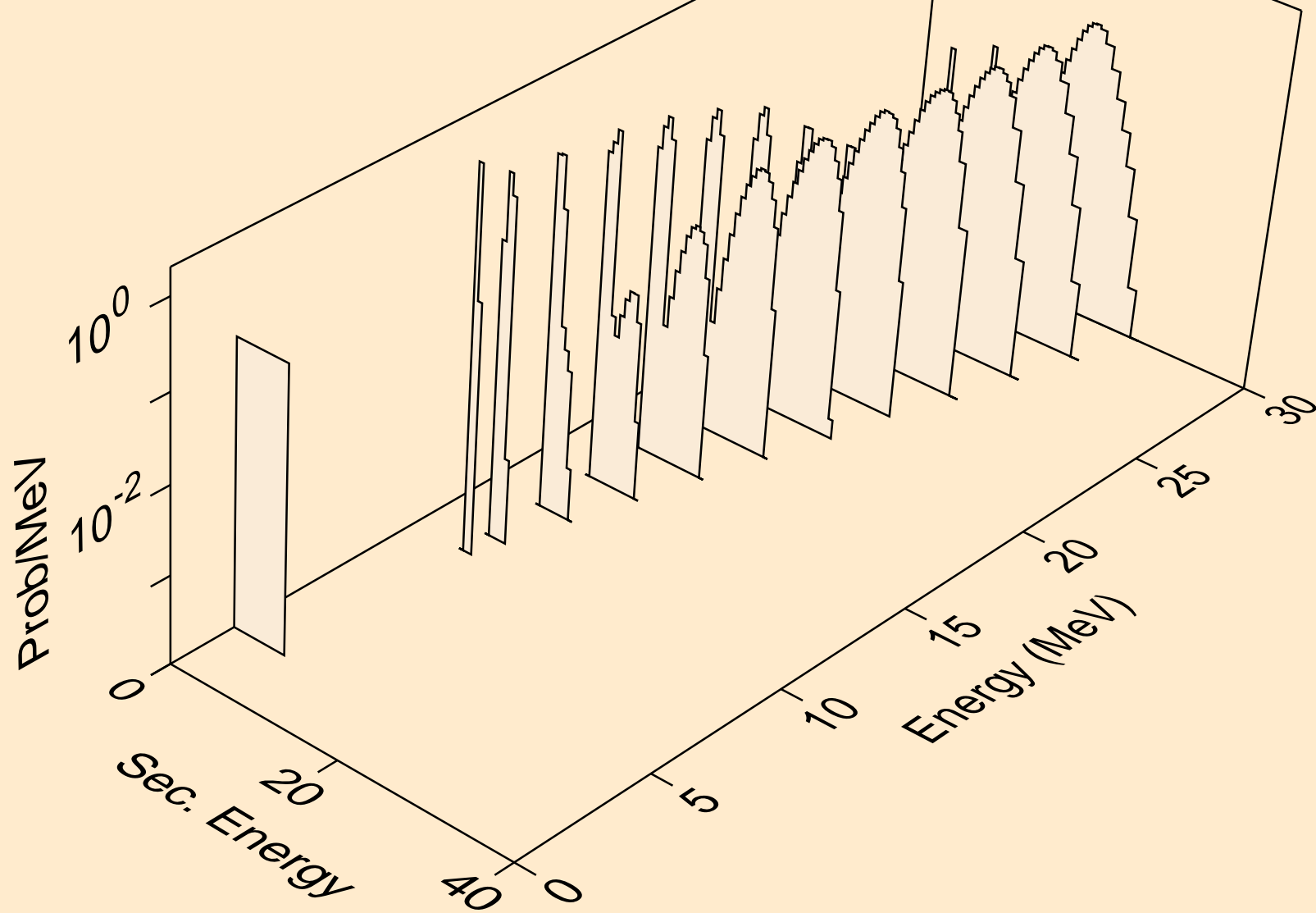
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alphas from (n,n\*)a



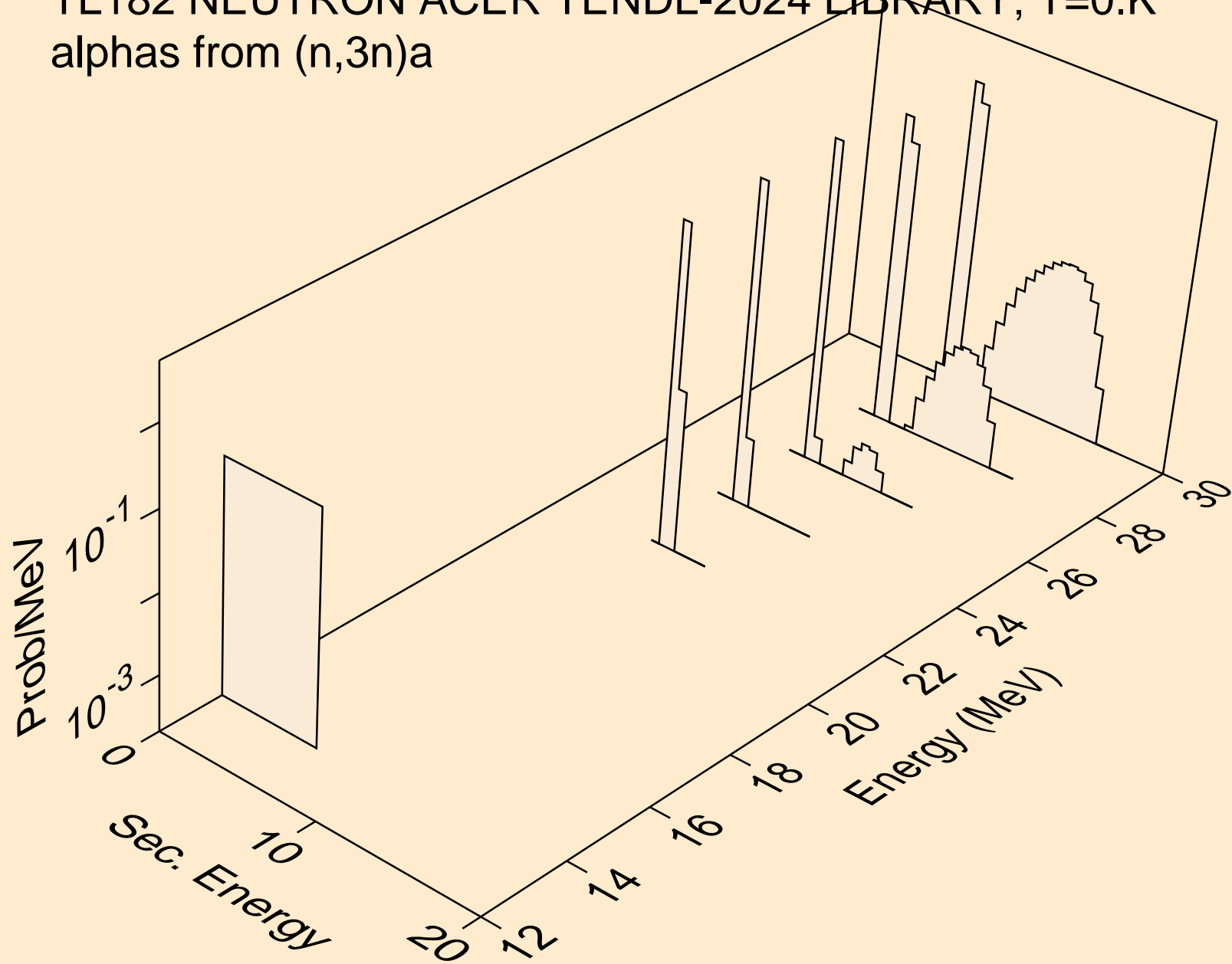
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)3a



TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a

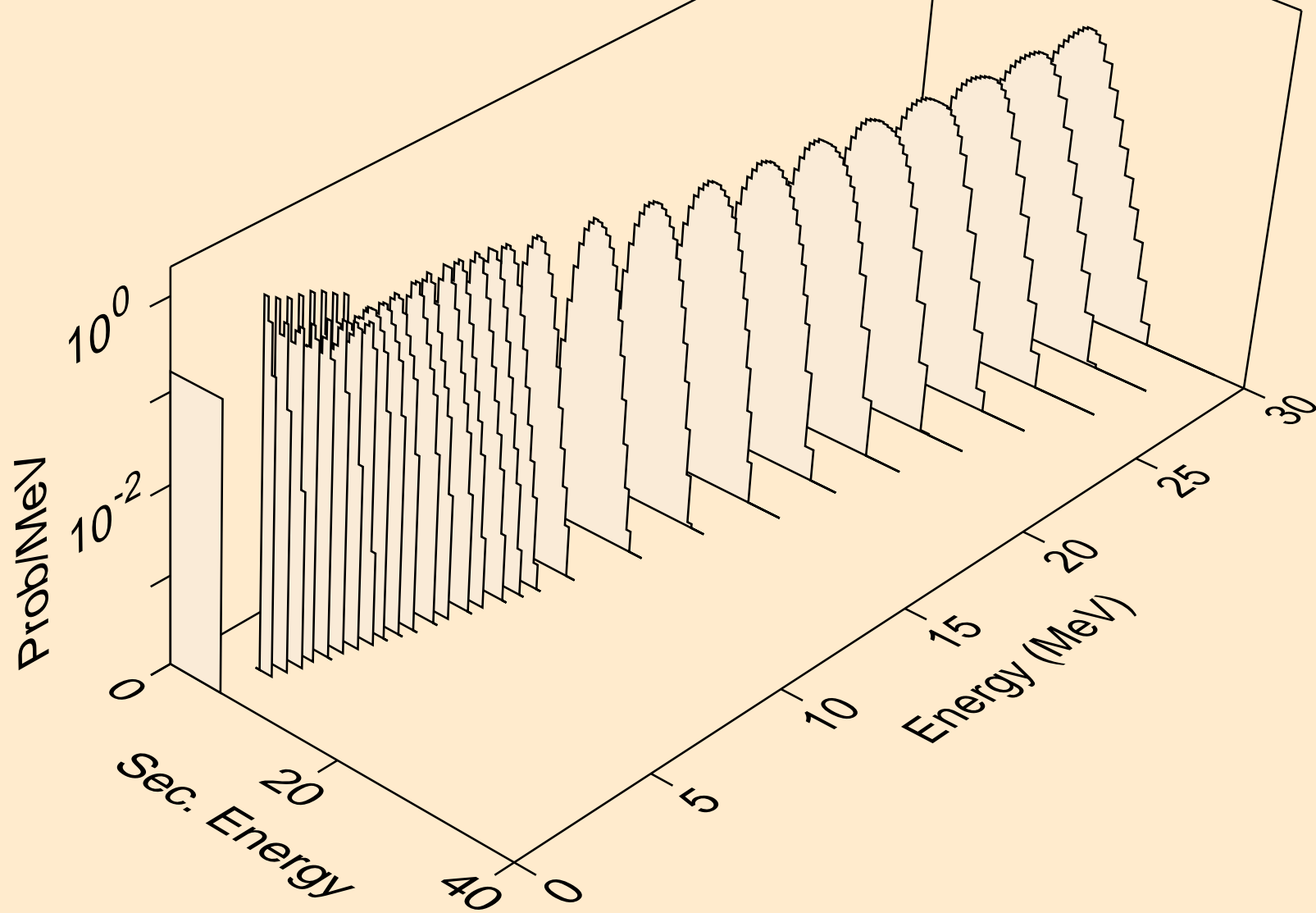


TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a

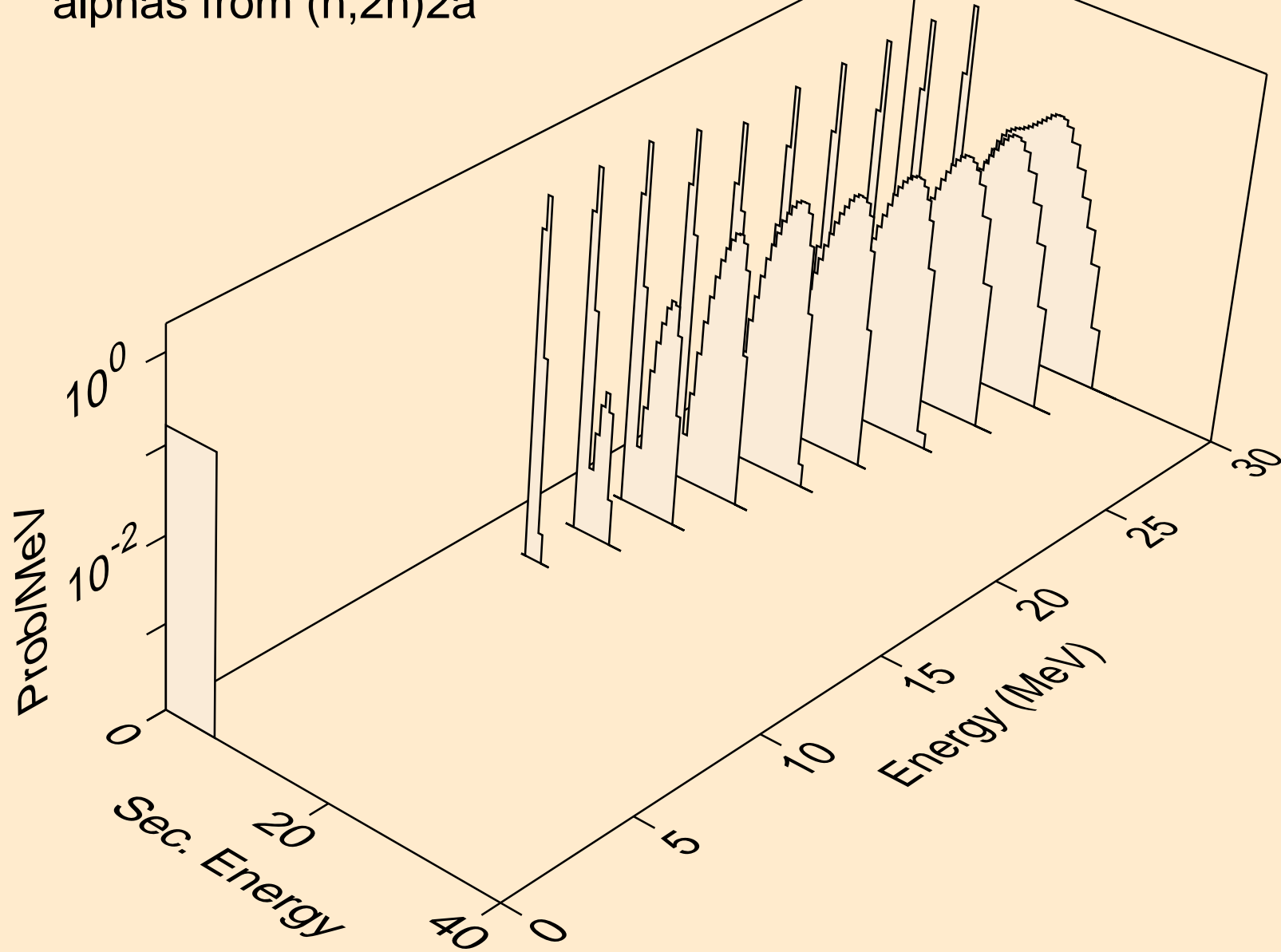




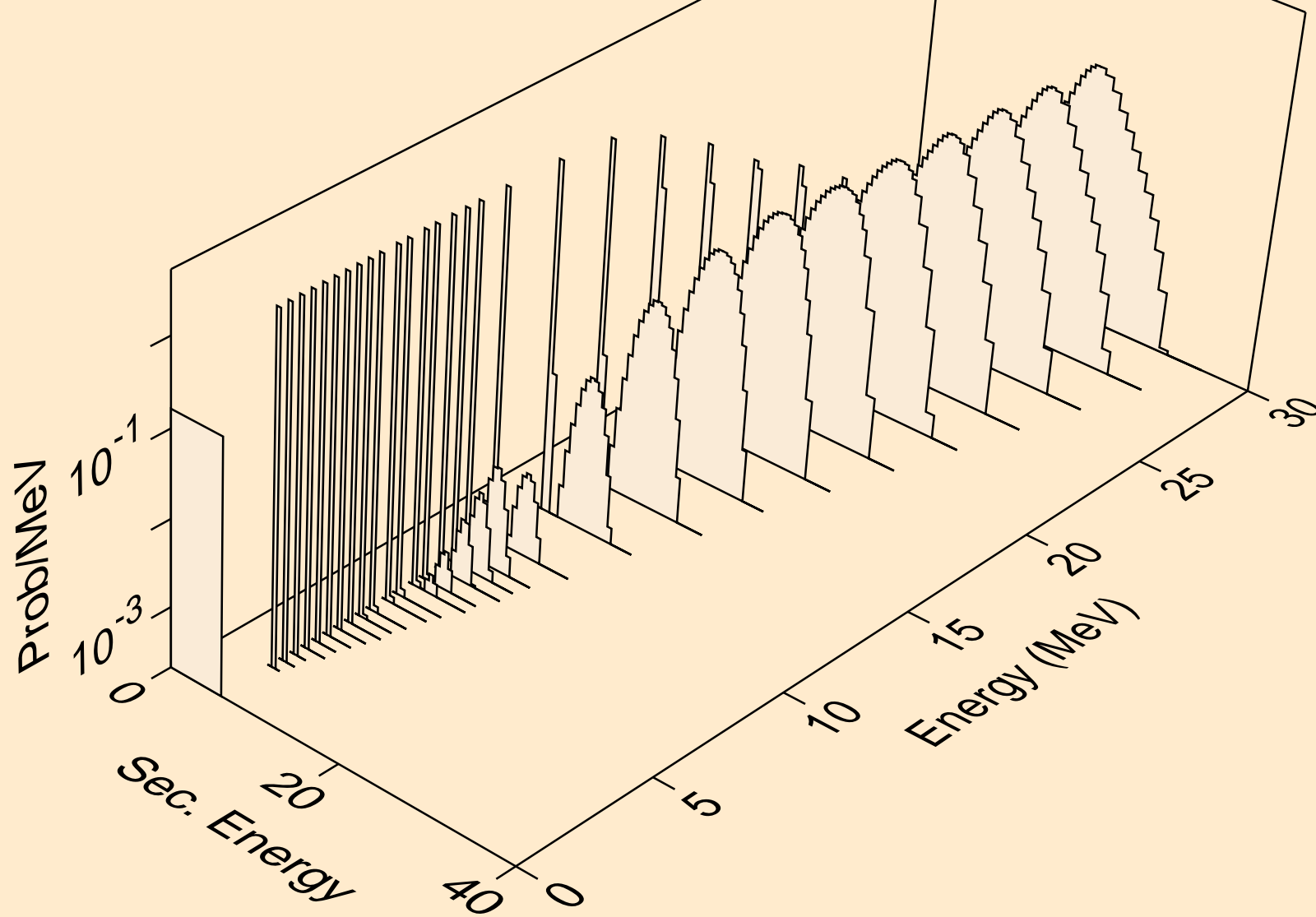
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)2a



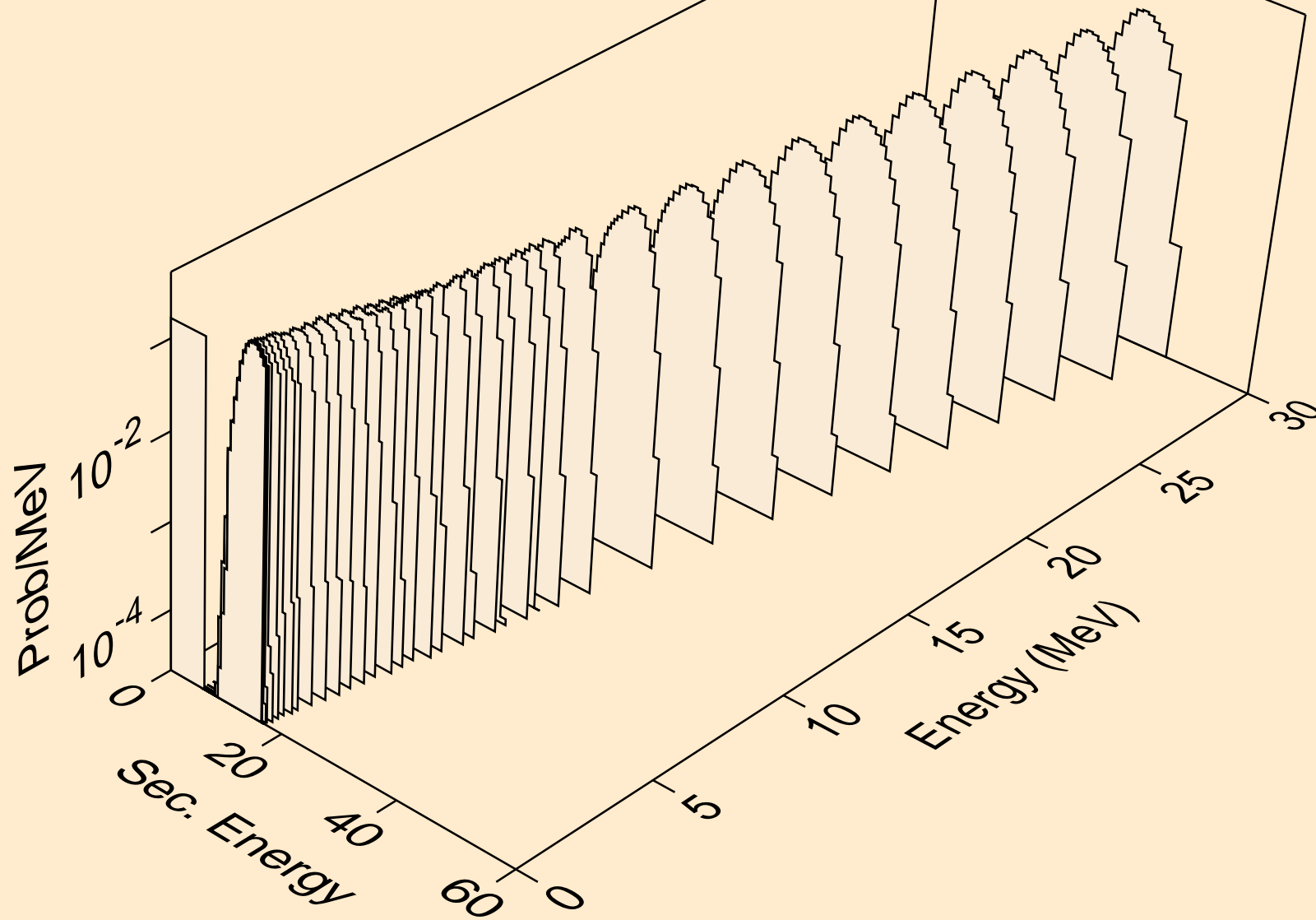
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)2a



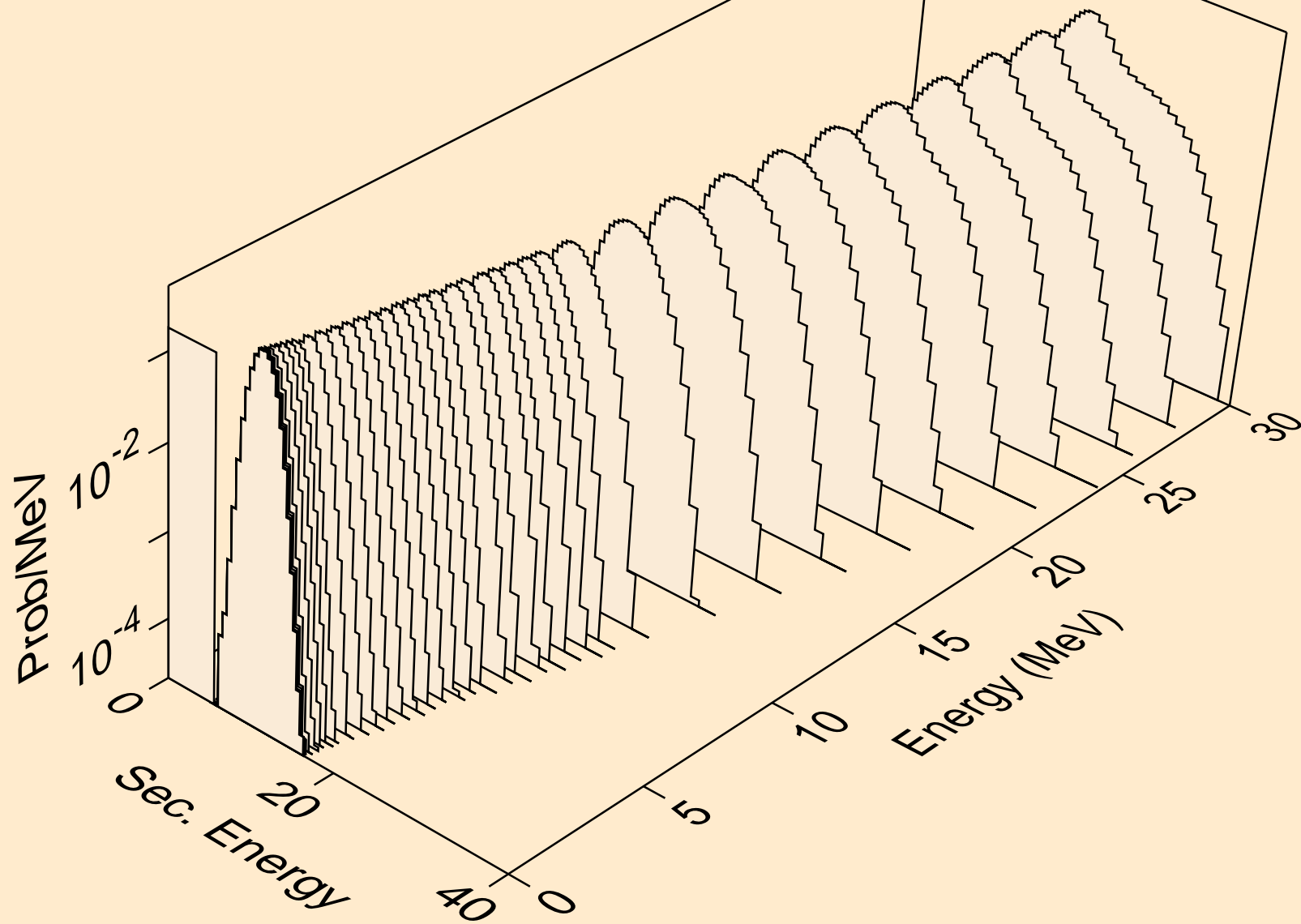
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)



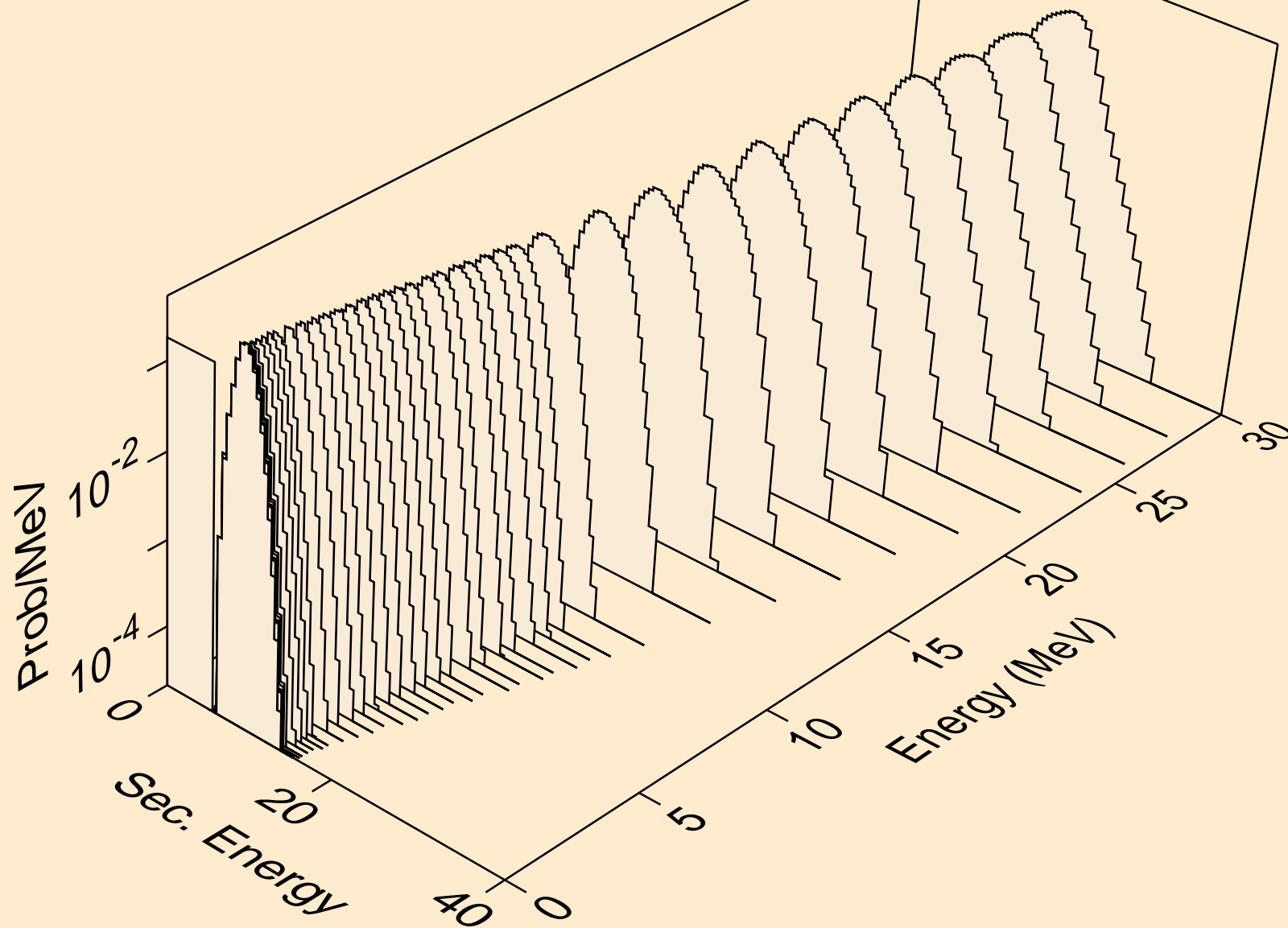
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



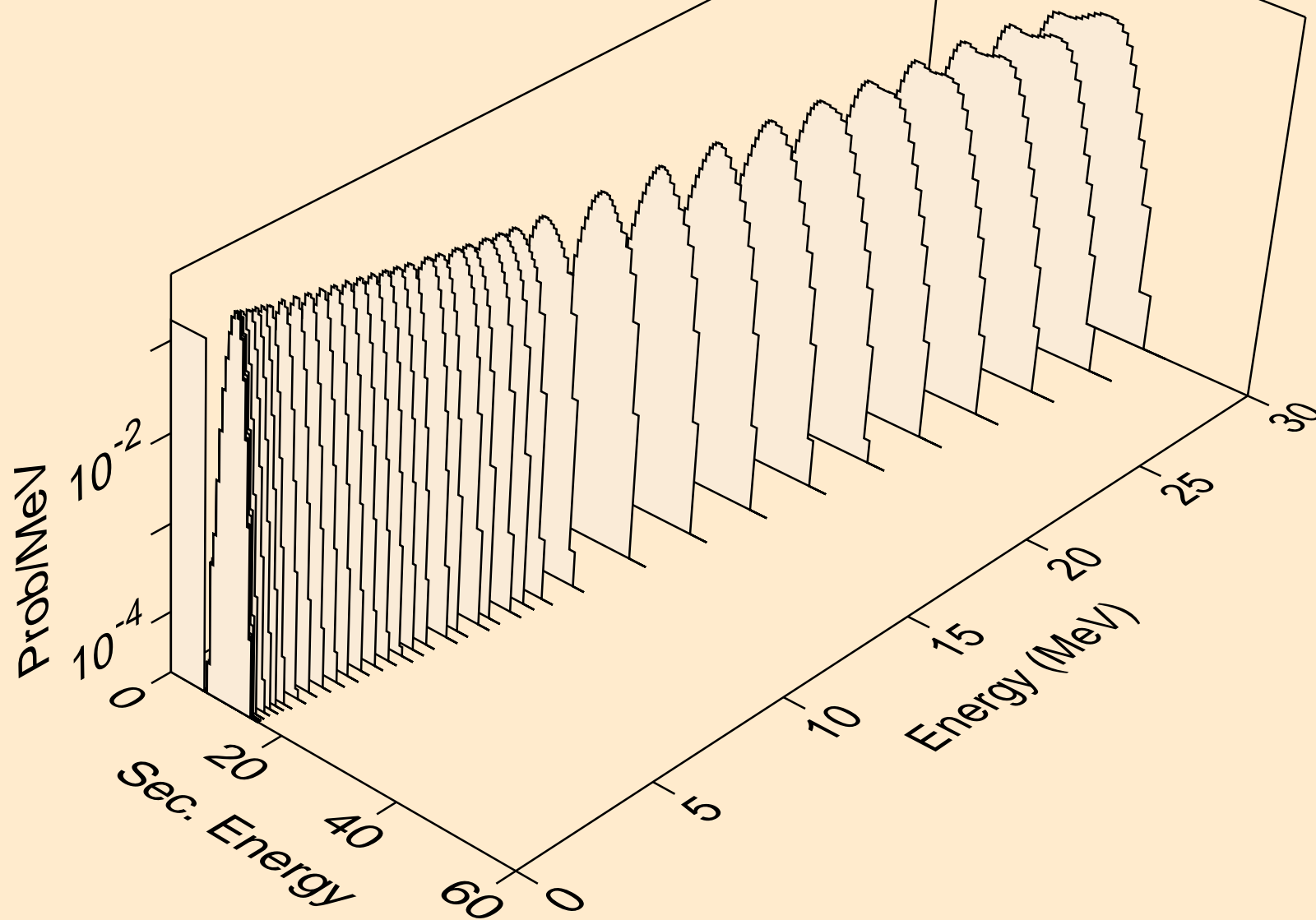
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



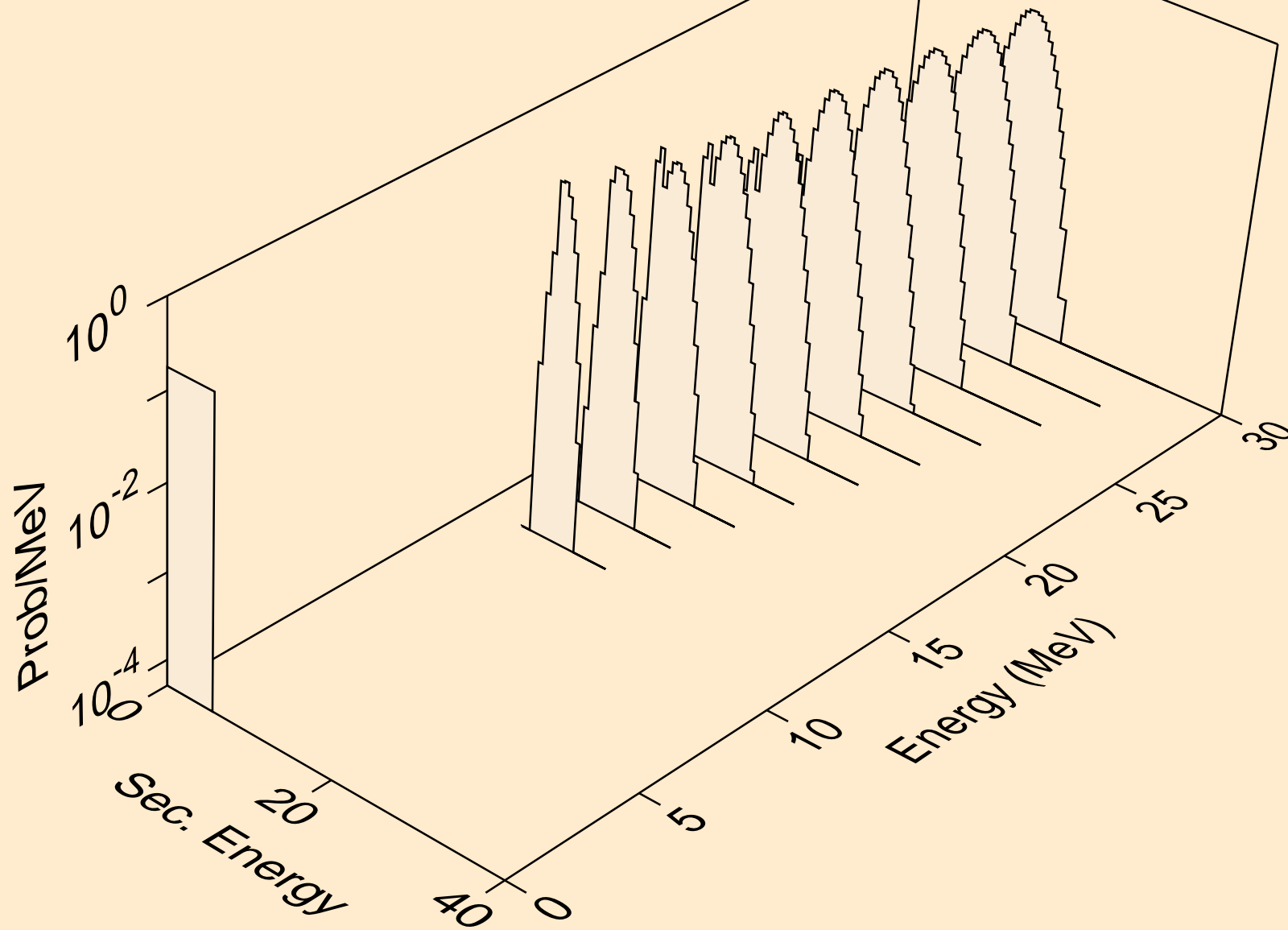
TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3a)



TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)

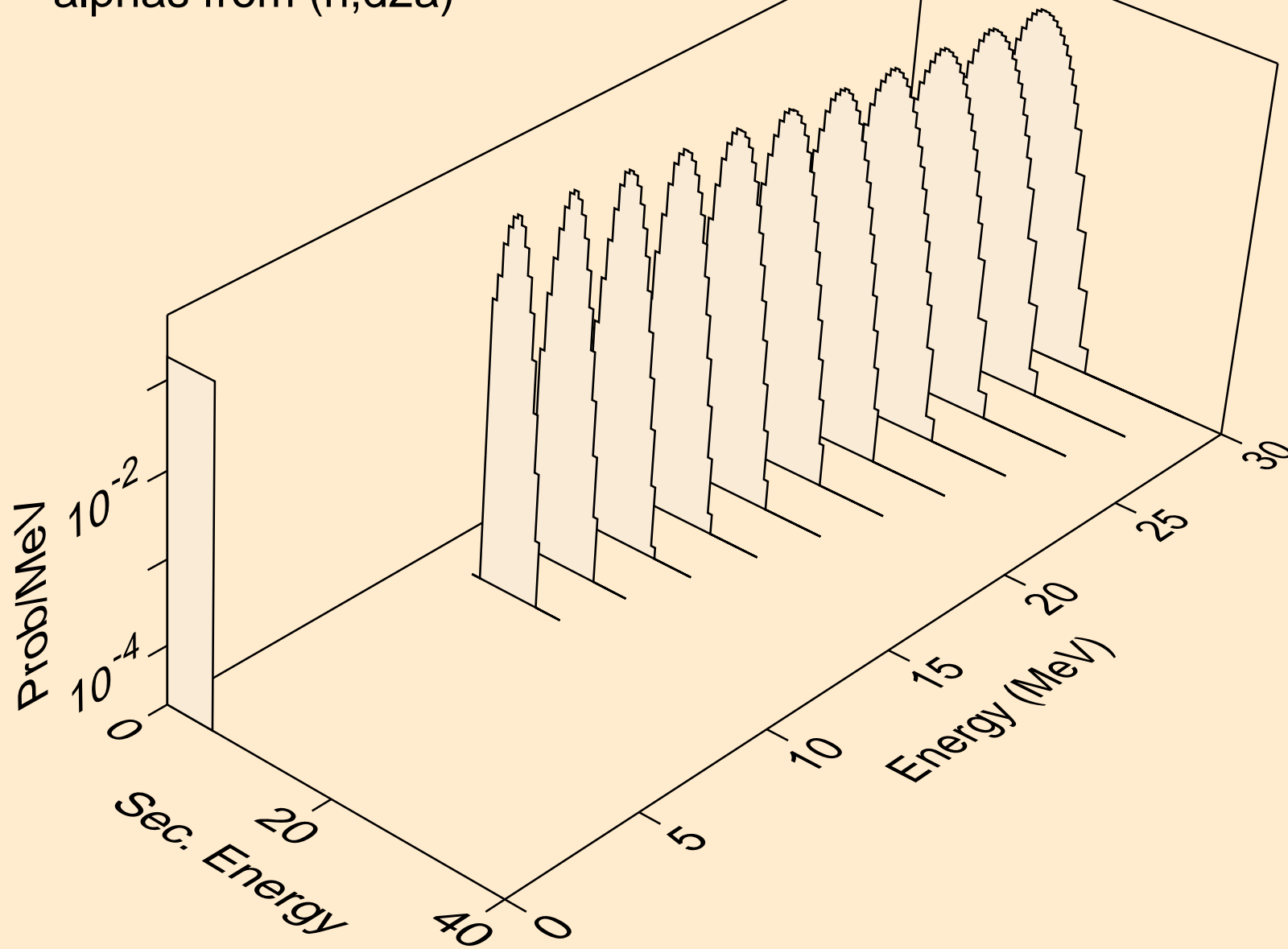


TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,t2a)





TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,d2a)



TL182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

