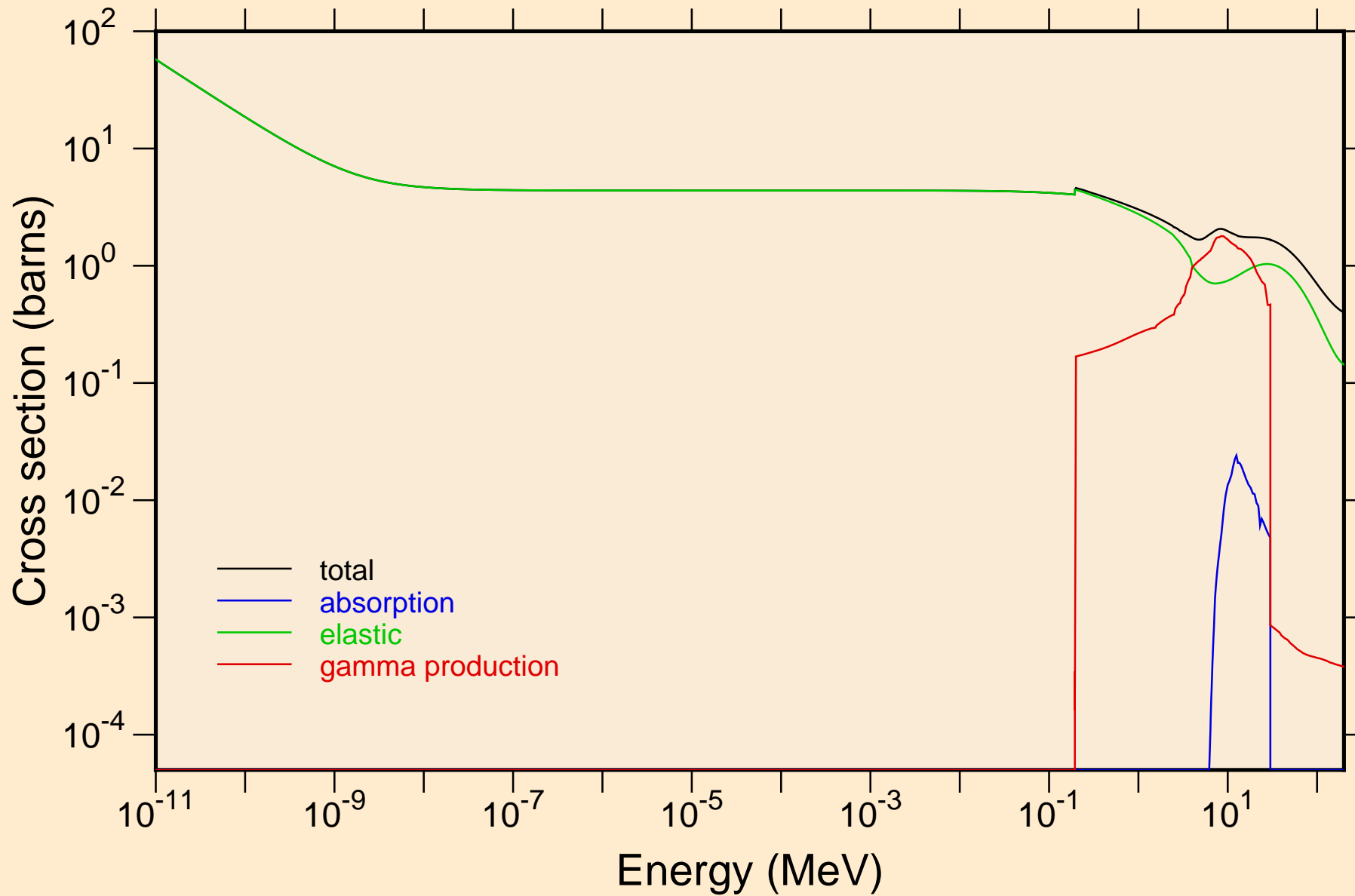
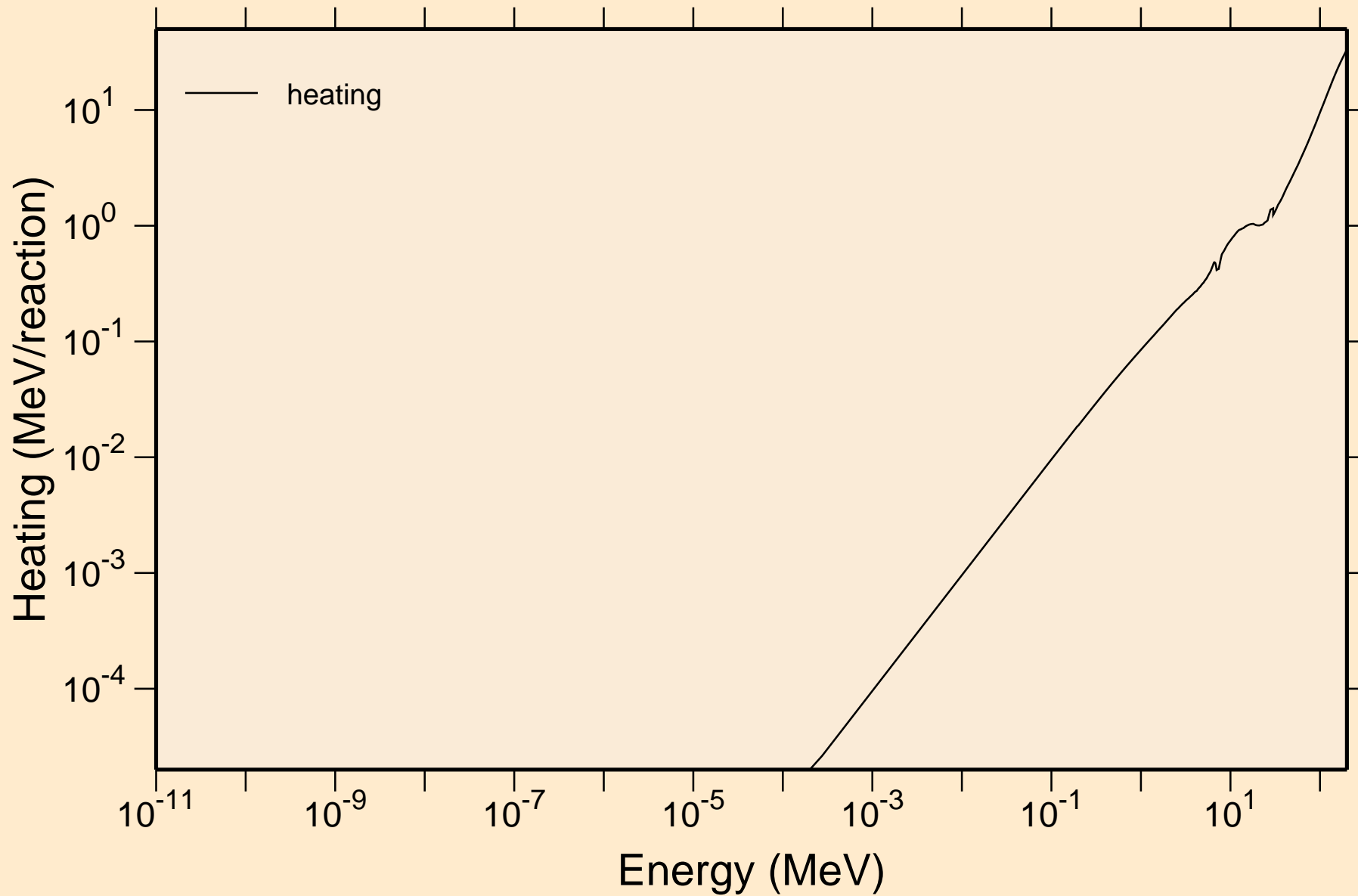


# O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

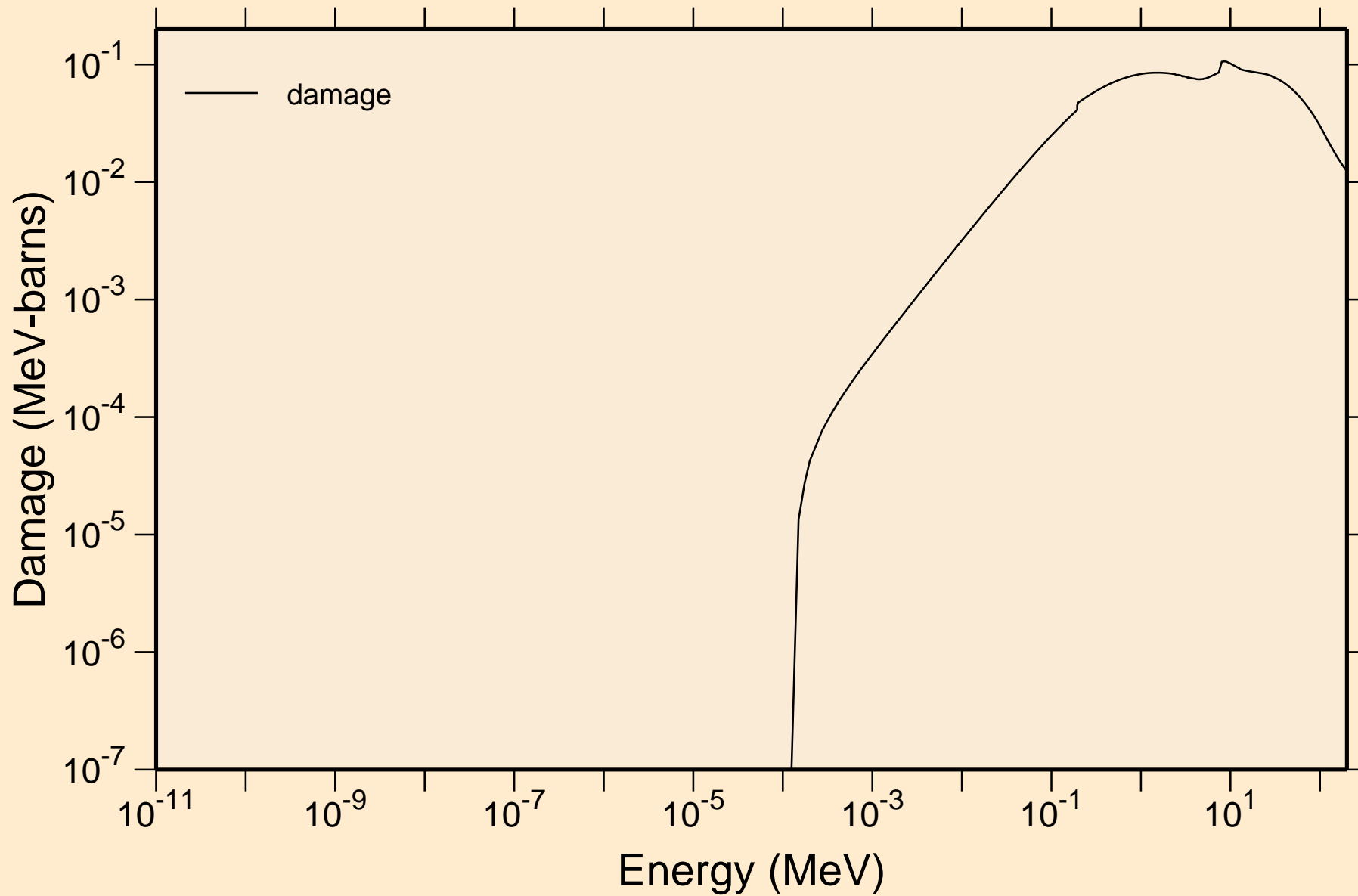
## Principal cross sections



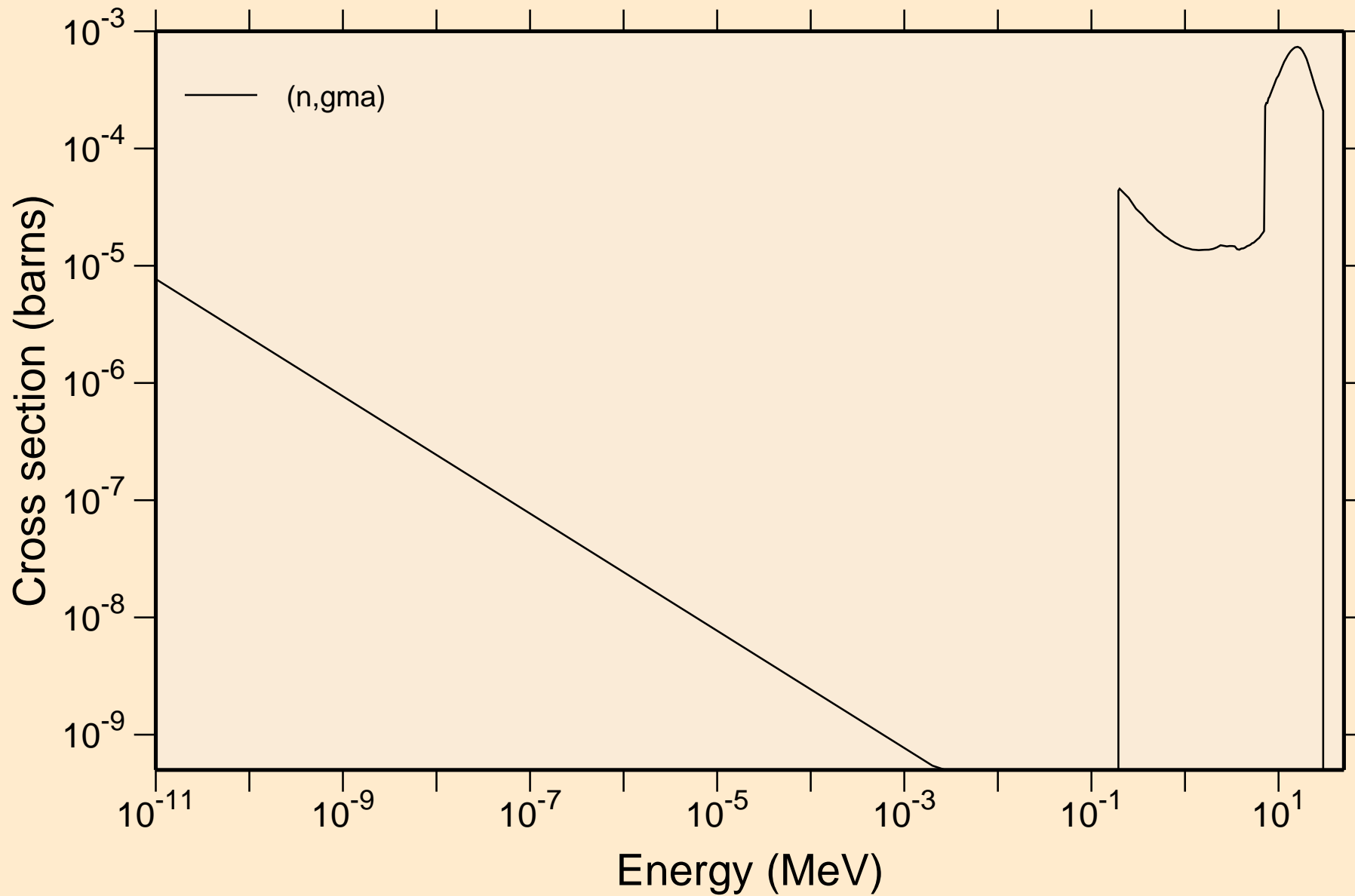
O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Heating



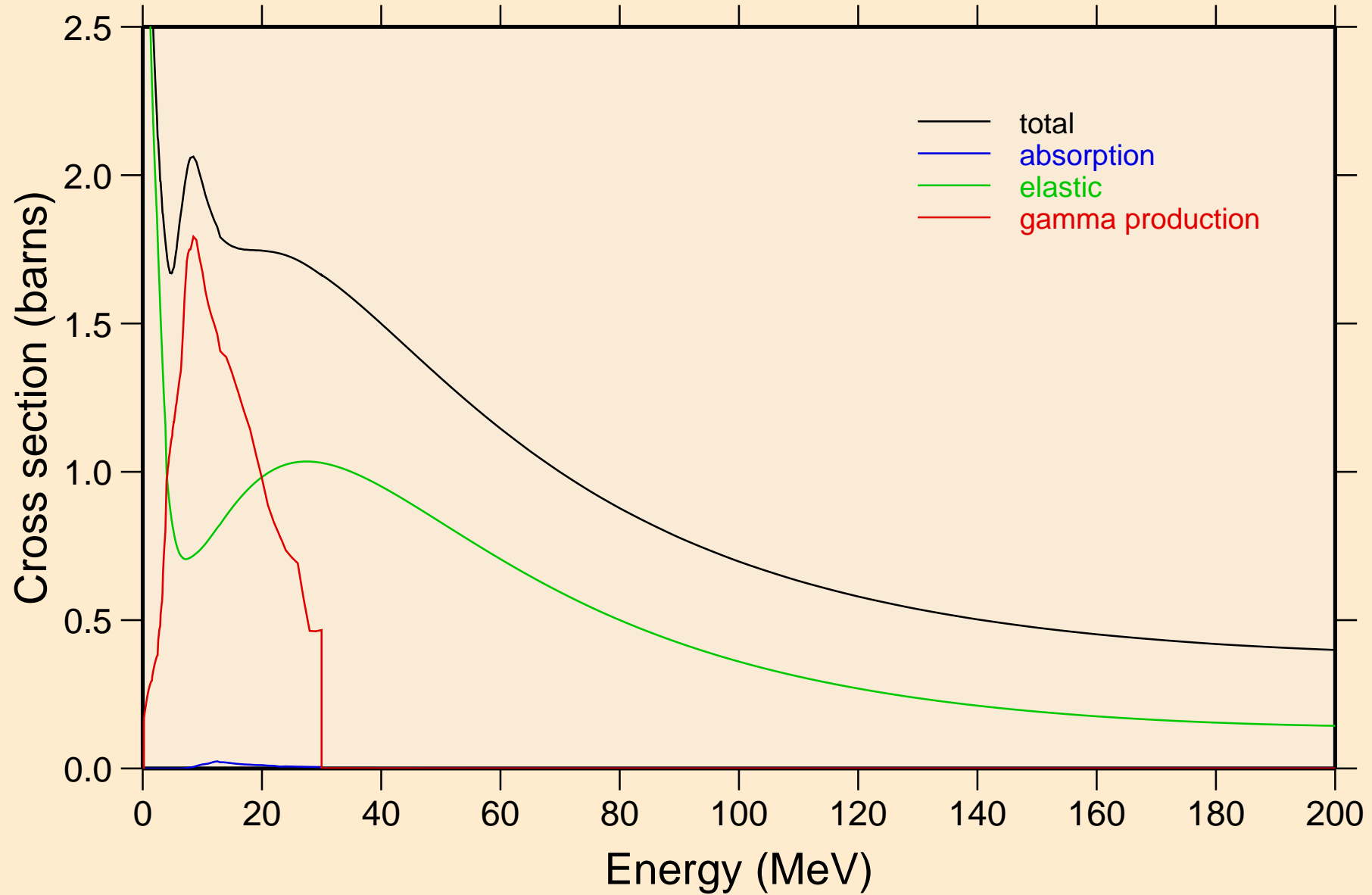
O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Damage



O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions

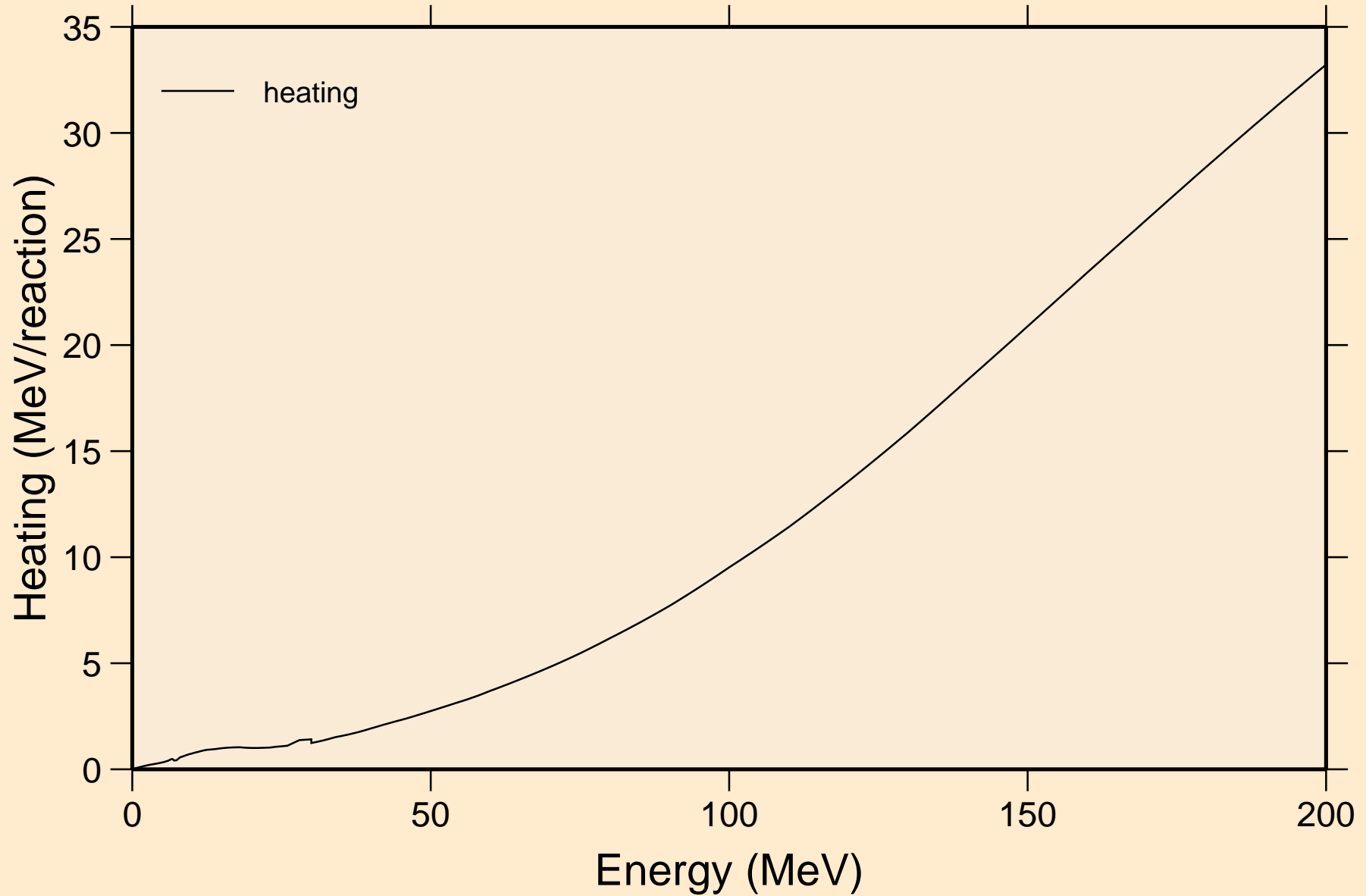


O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Principal cross sections

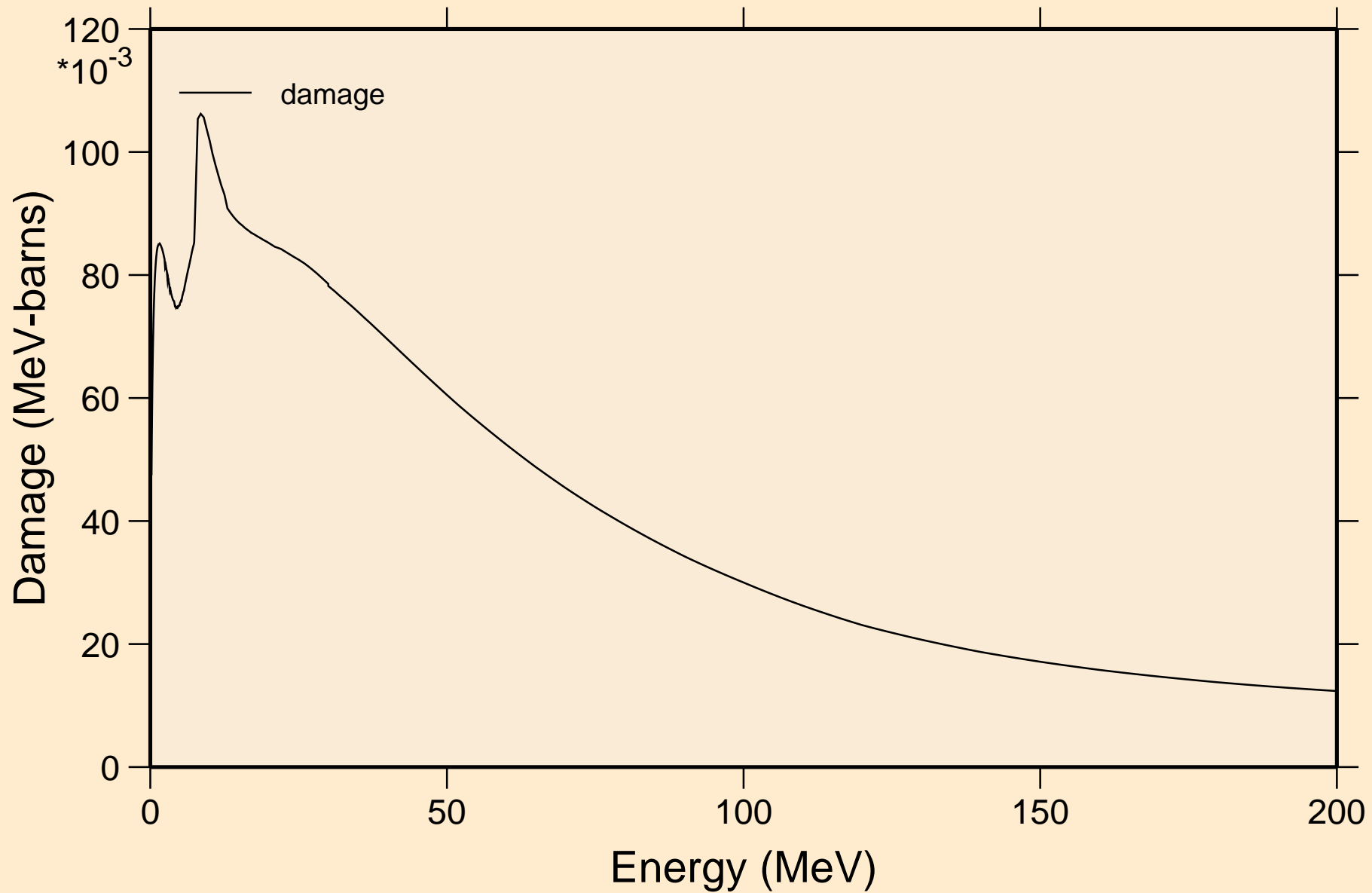


# O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

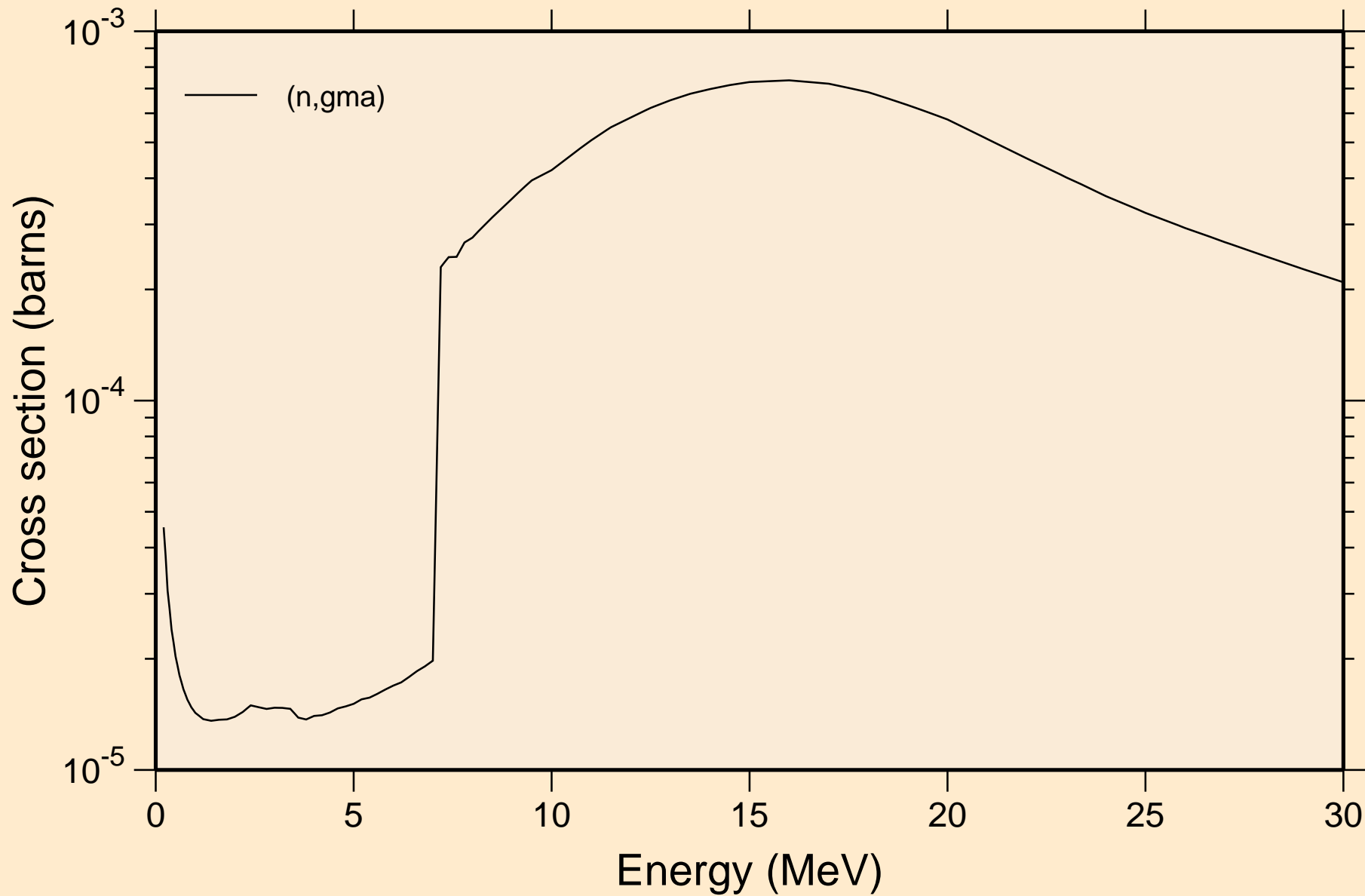
## Heating



O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Damage

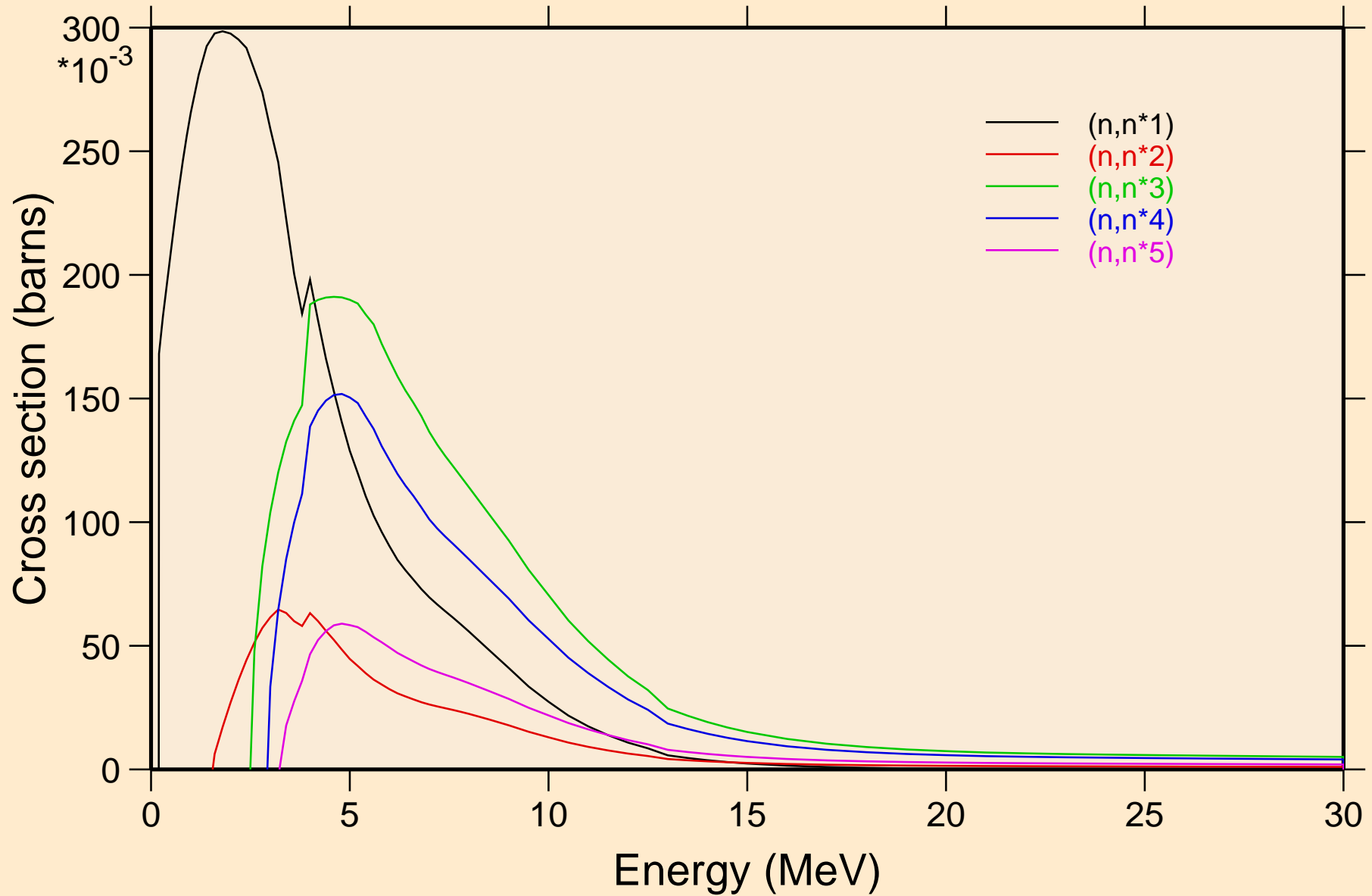


O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions

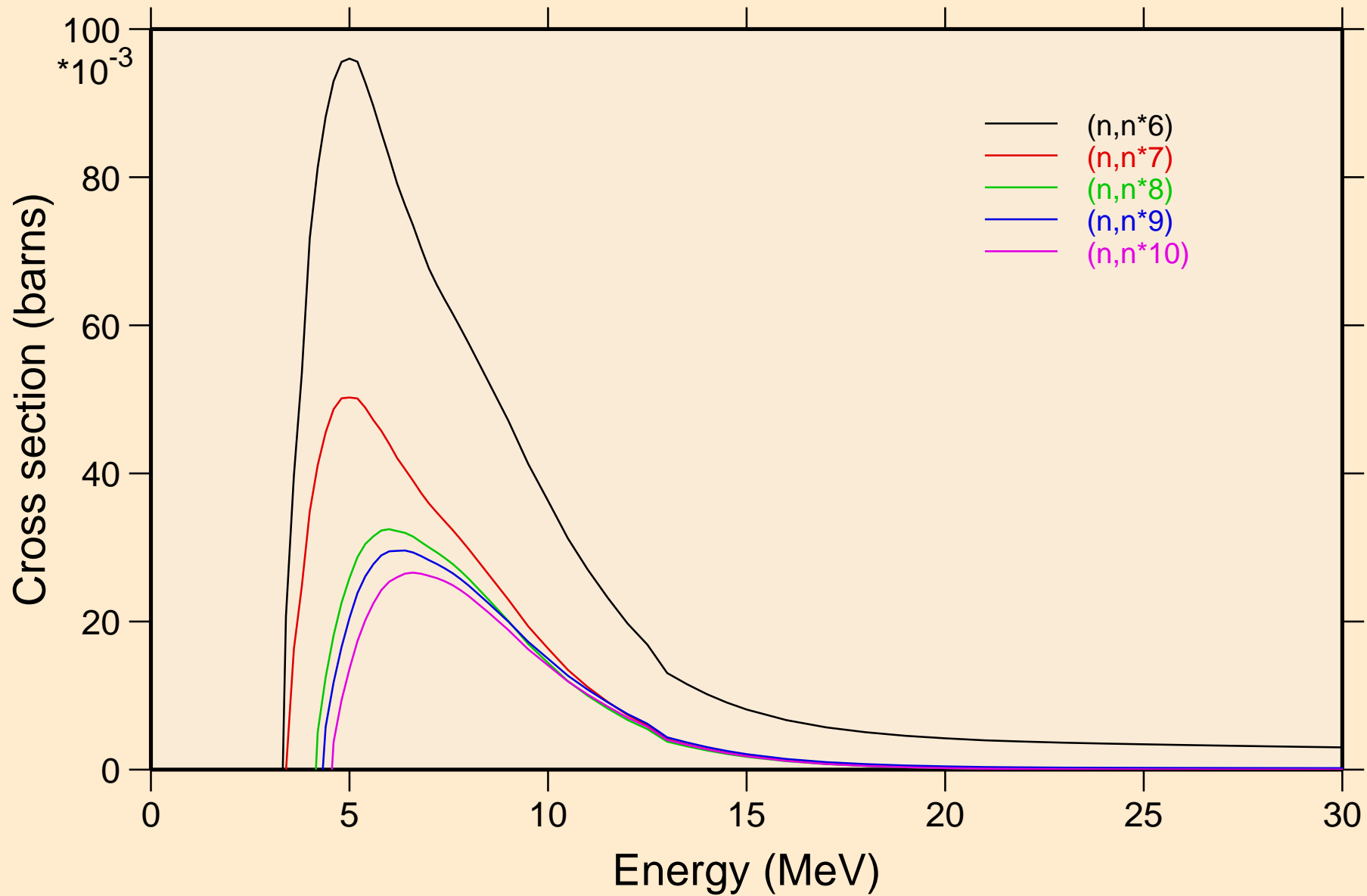




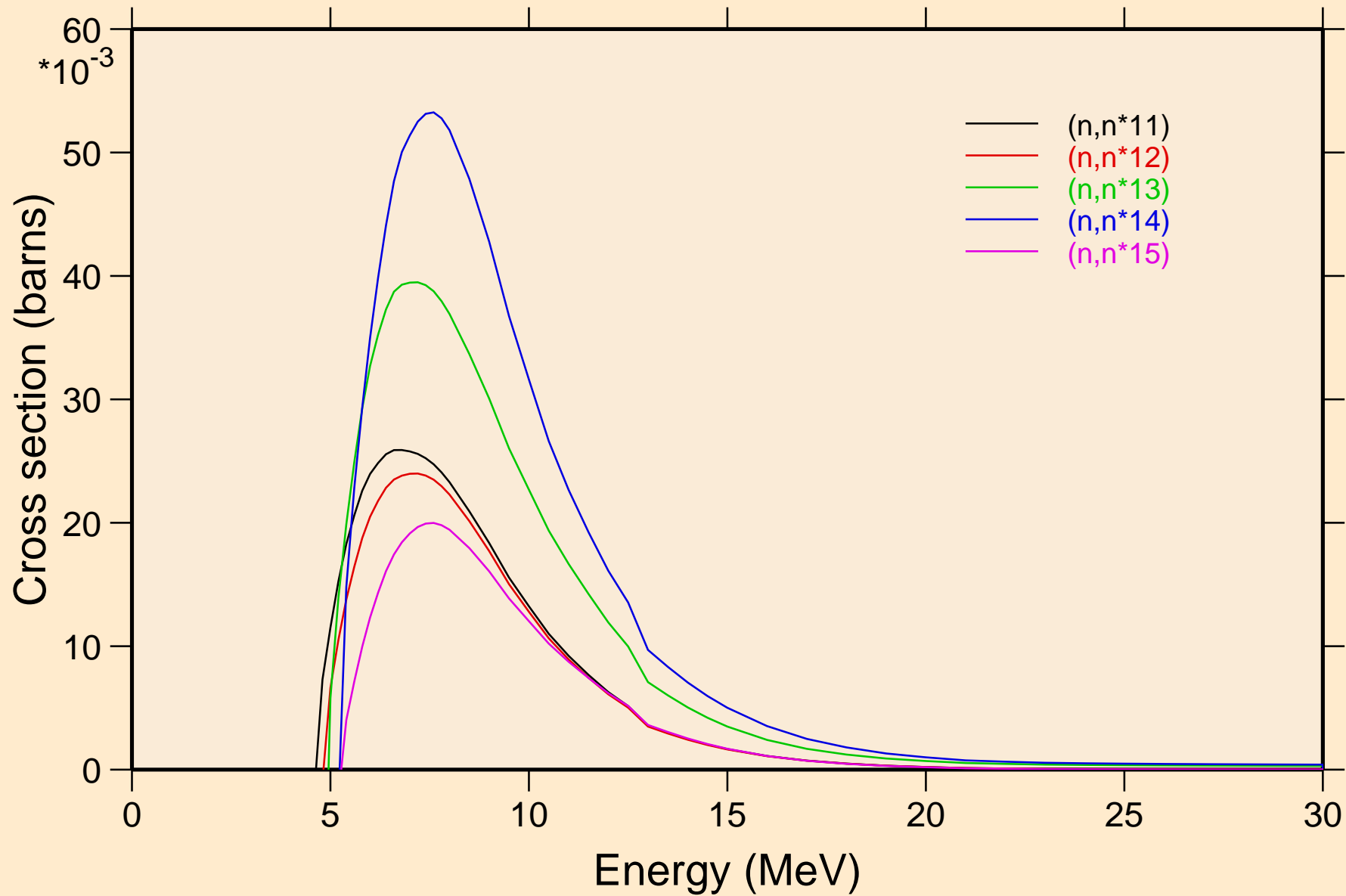
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Inelastic levels



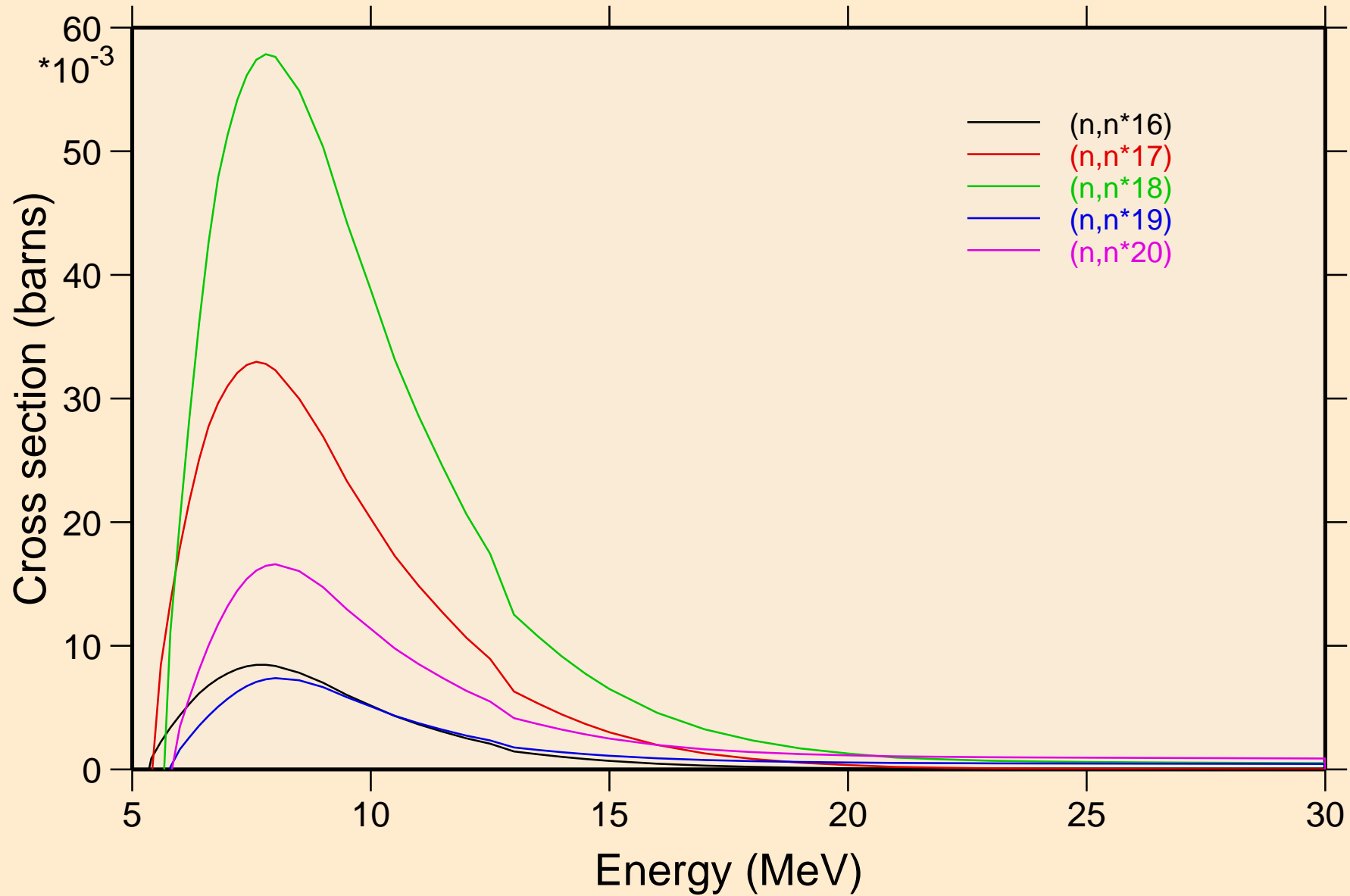
O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



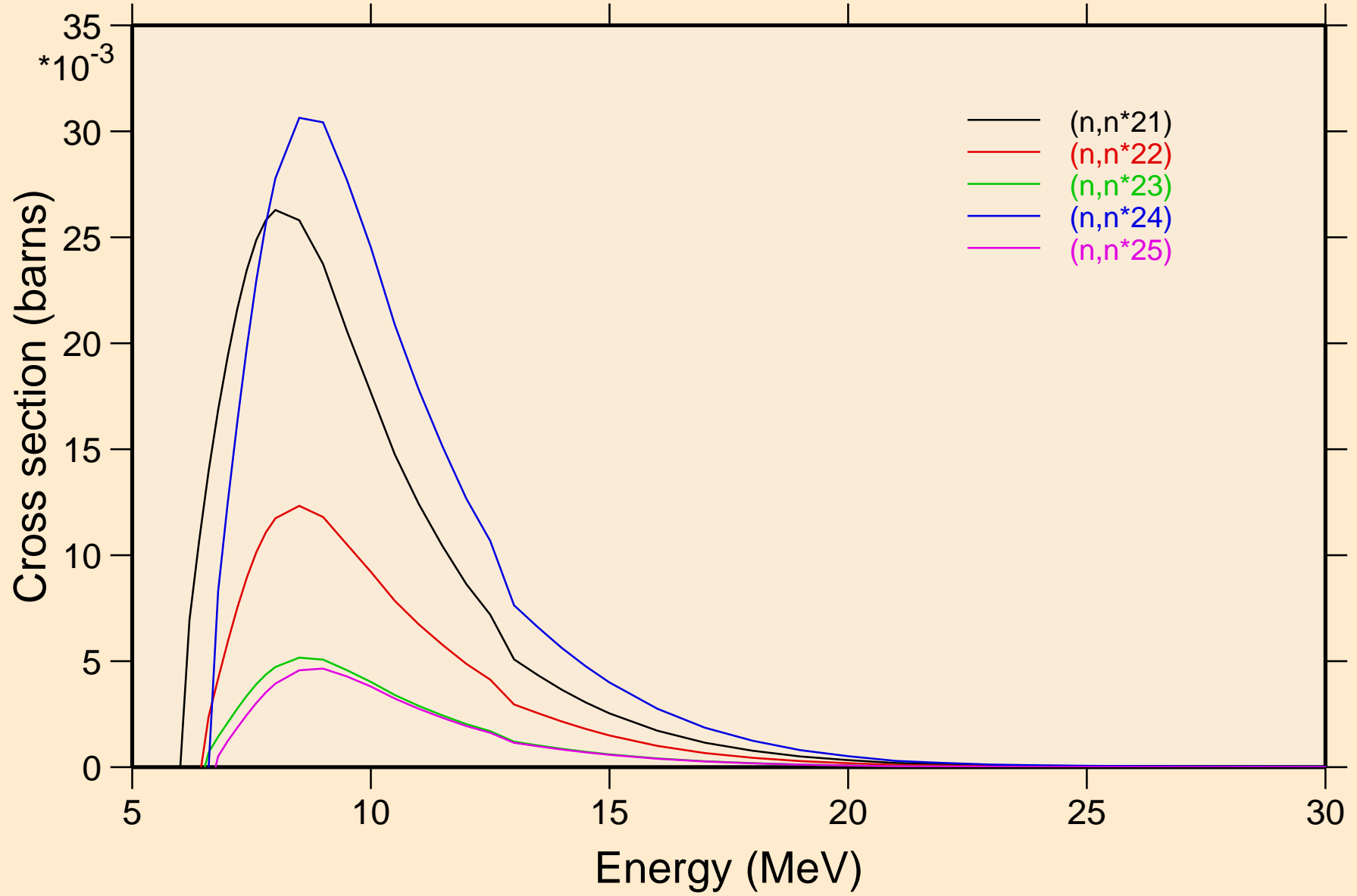
O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



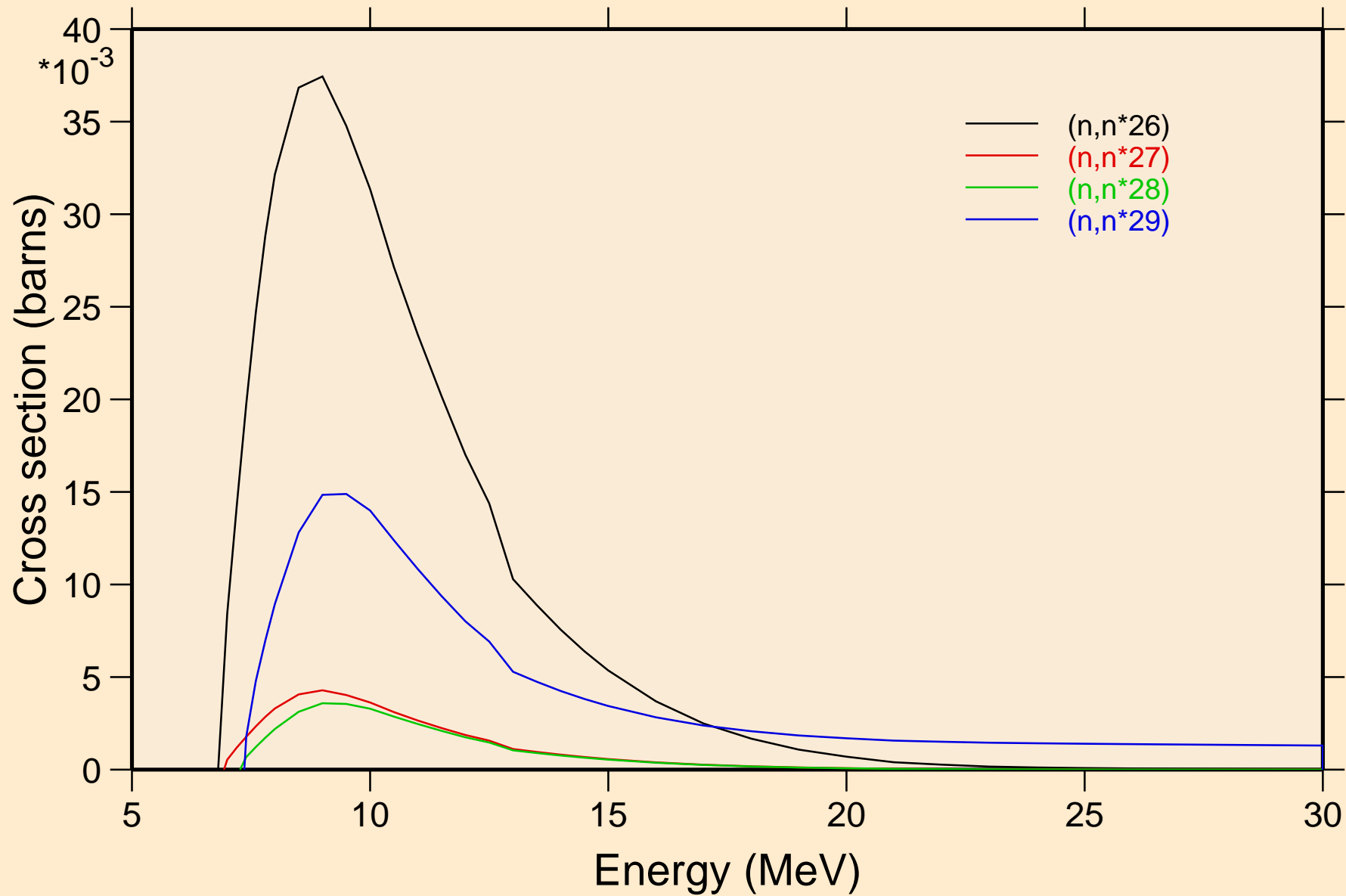
O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels

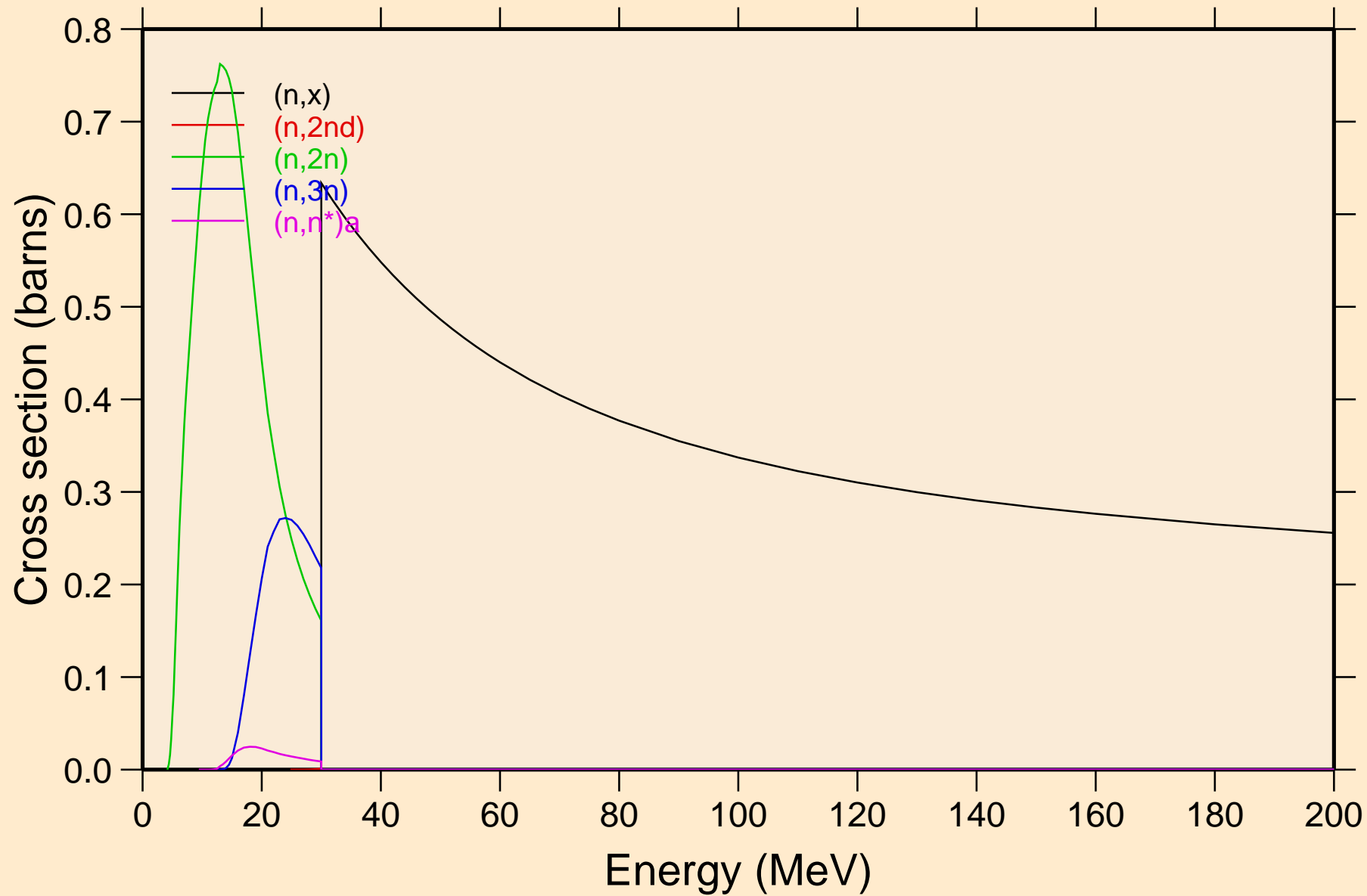


O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels

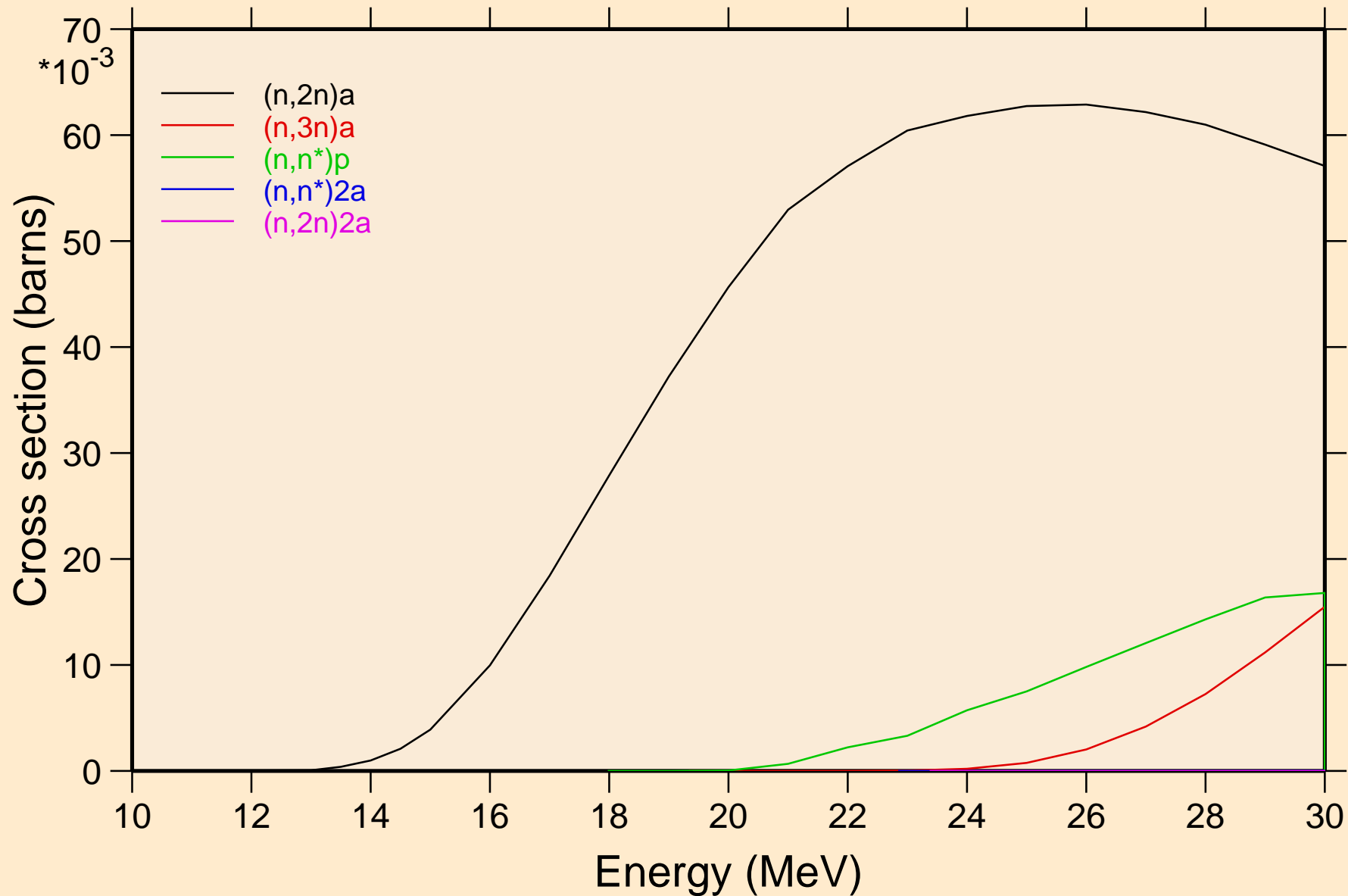


# O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Threshold reactions



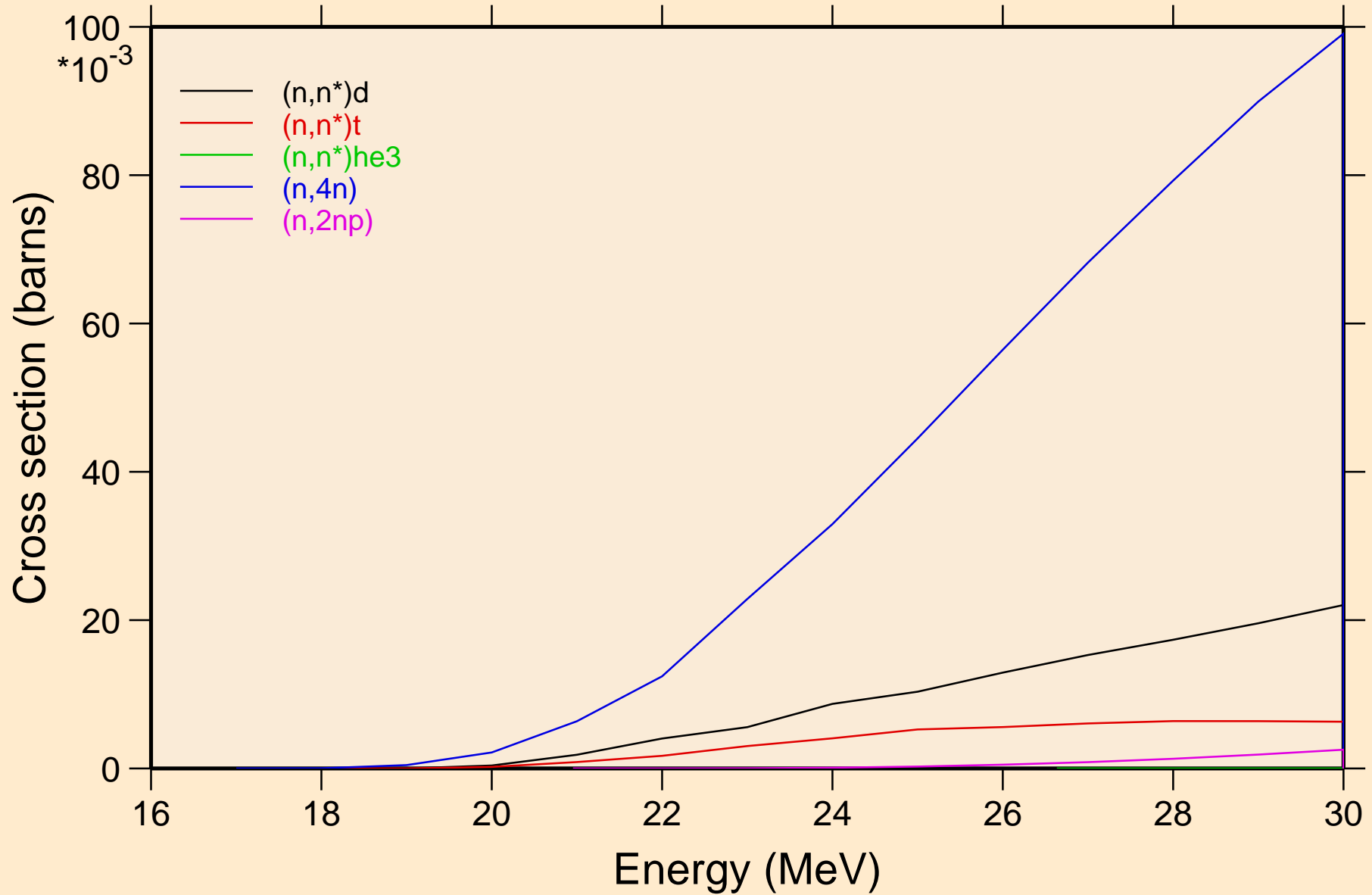
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Threshold reactions



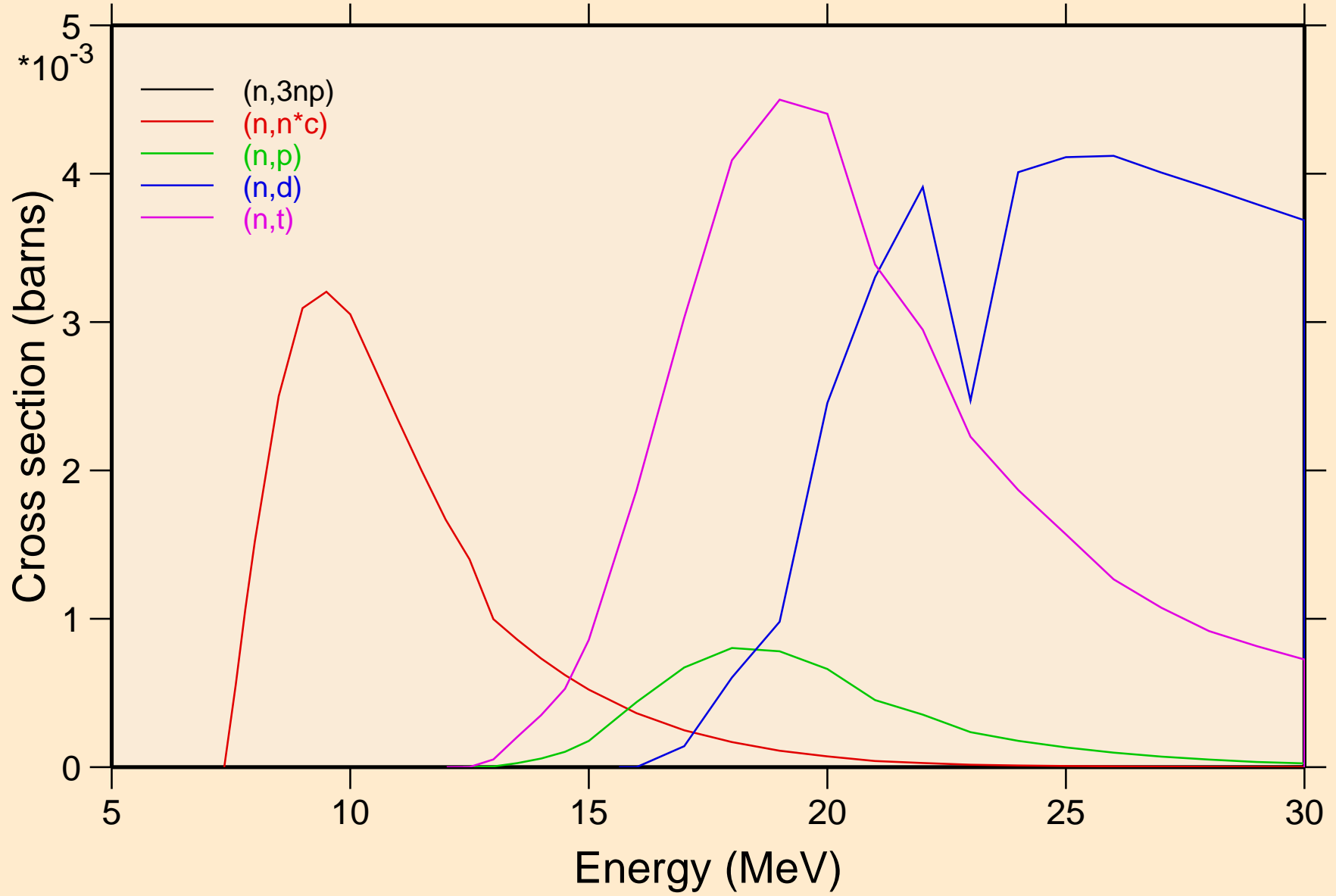


# O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

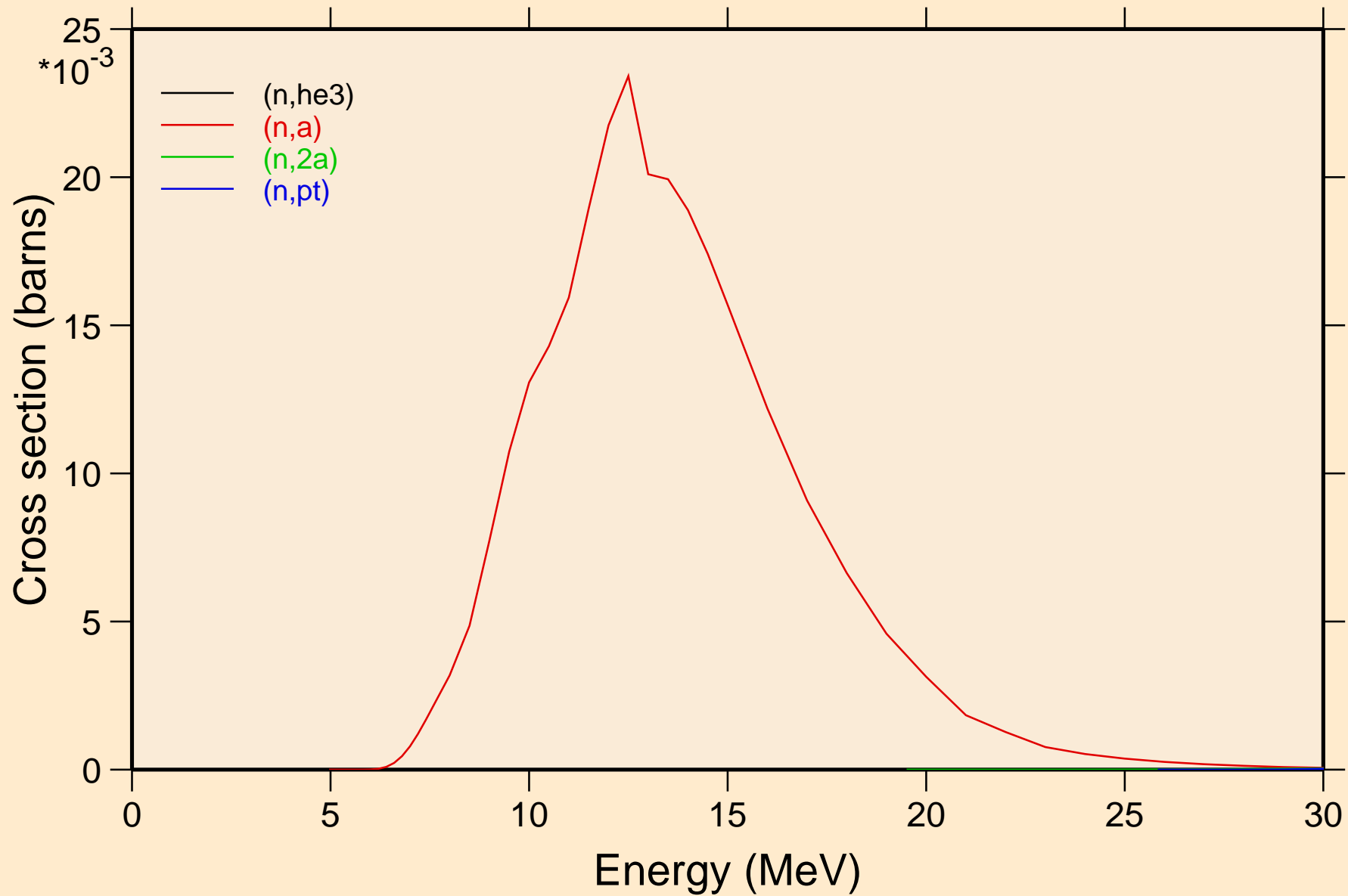
## Threshold reactions



O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions

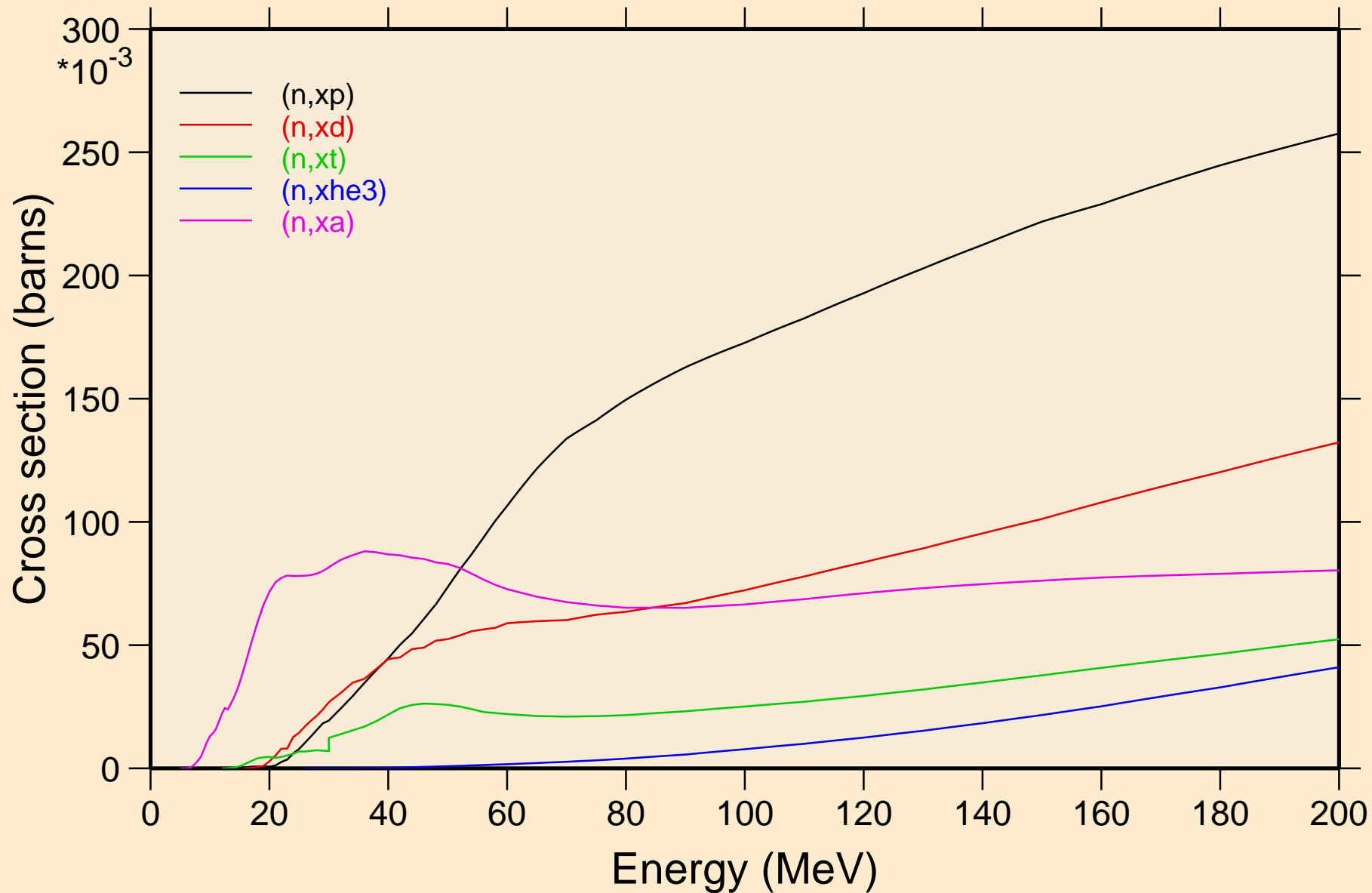


O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions

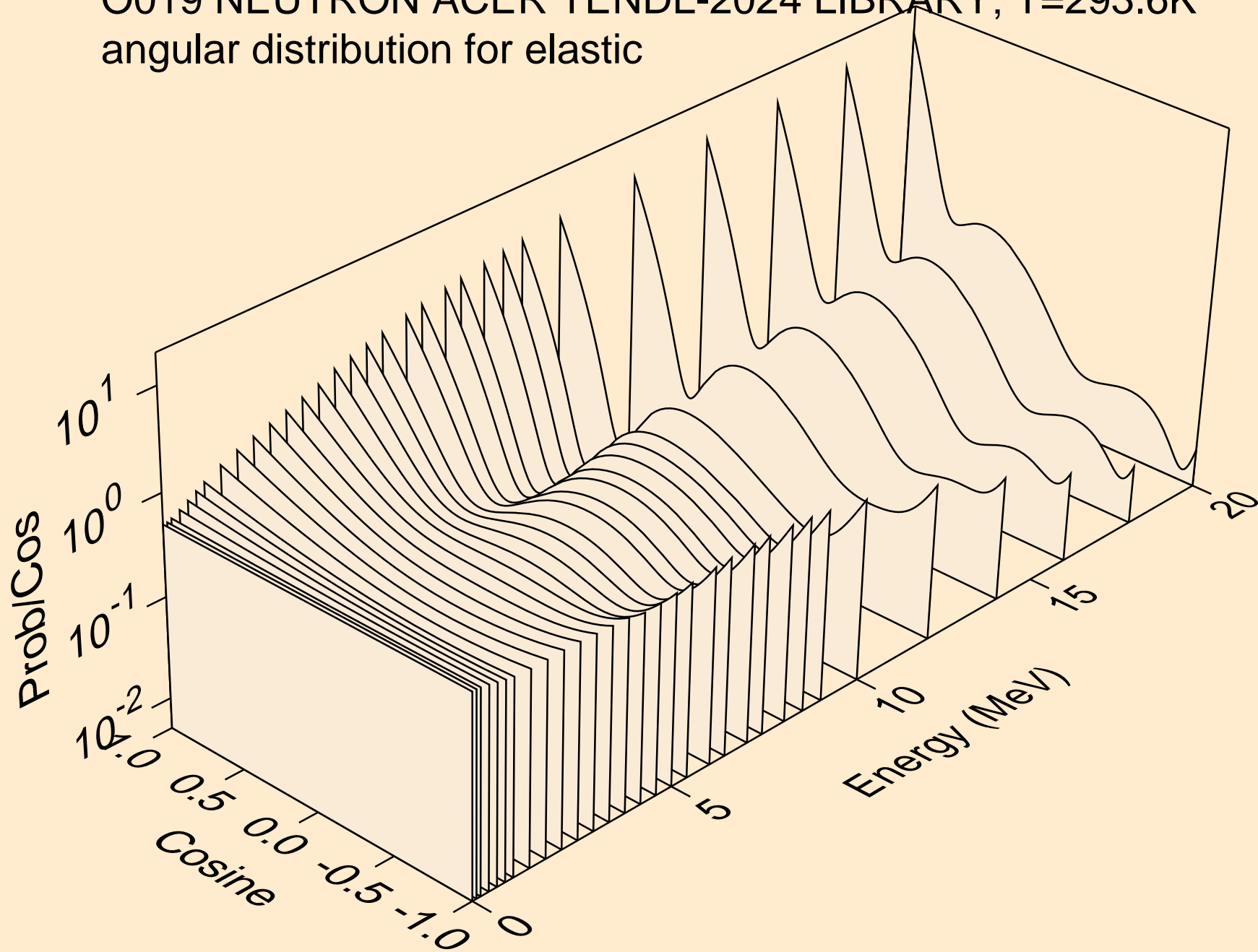


# O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

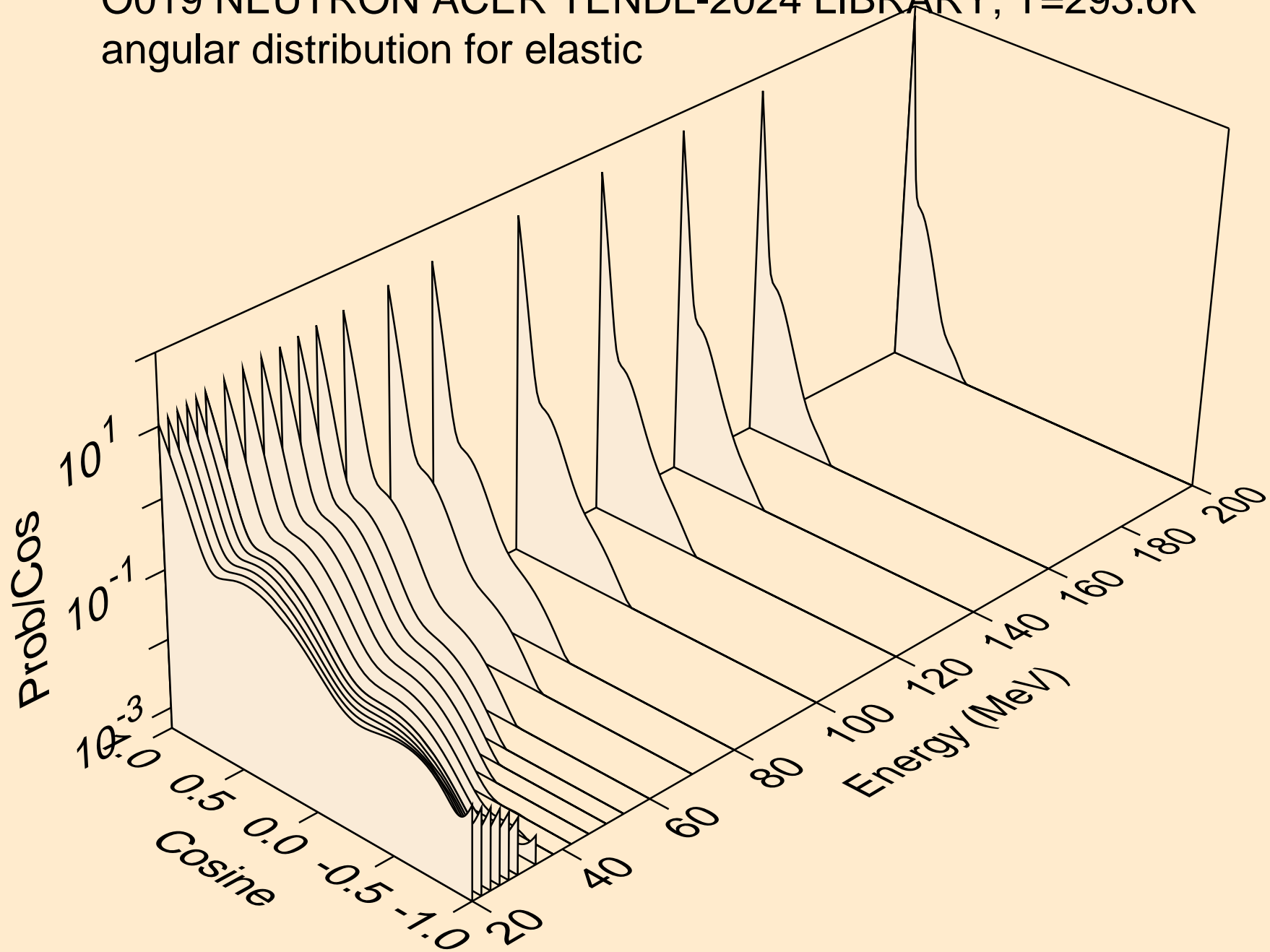
## Threshold reactions



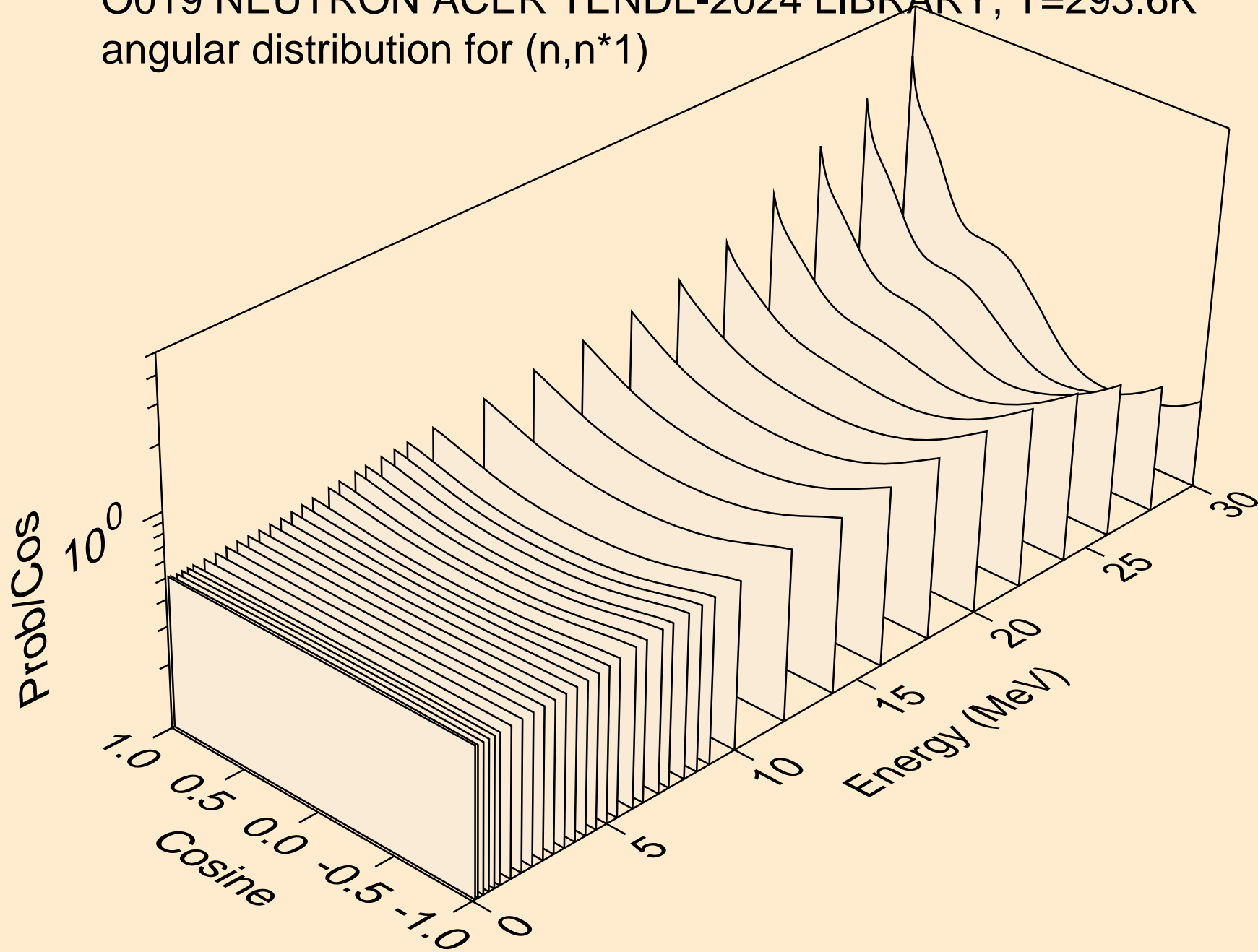
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angular distribution for elastic



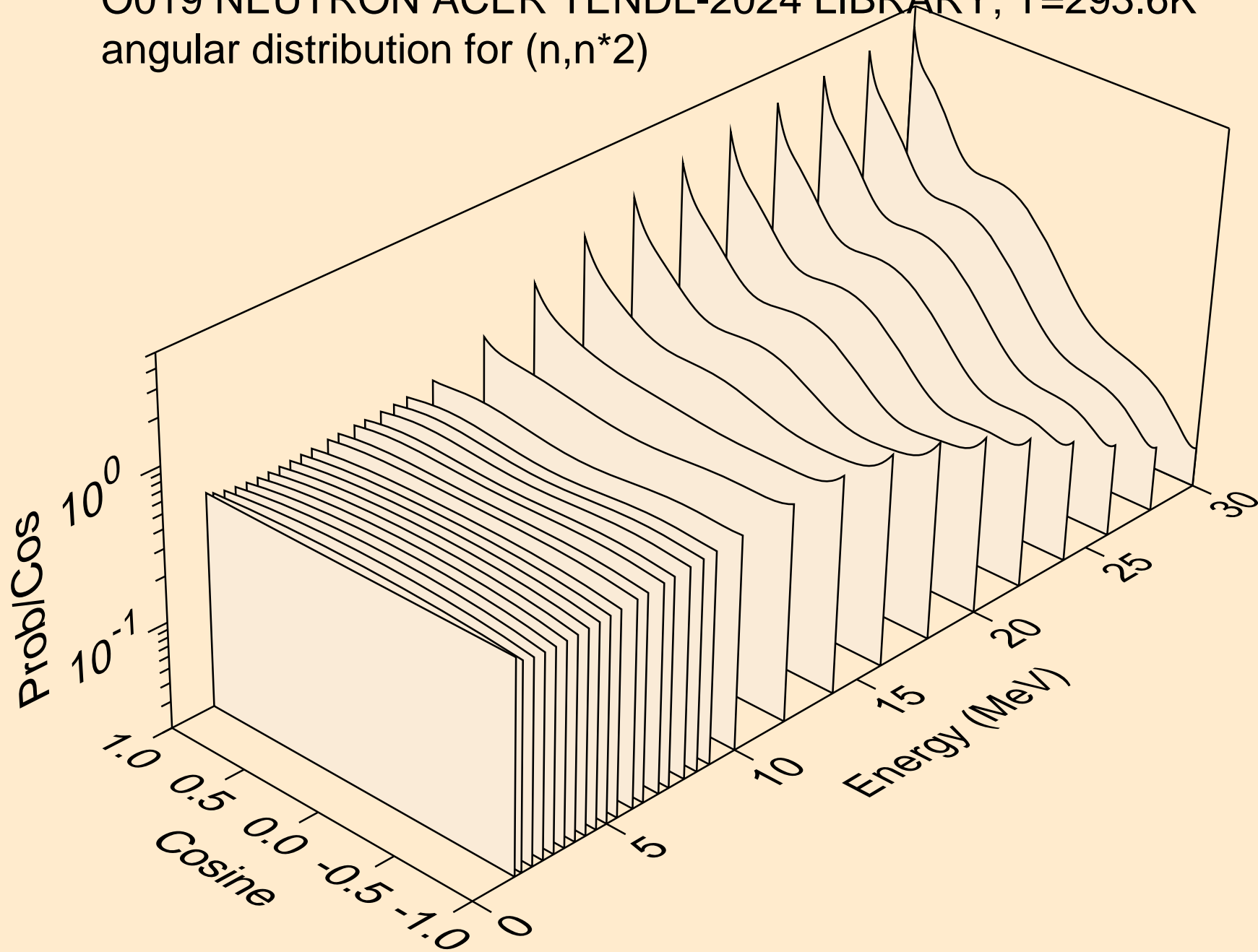
O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for elastic



O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)

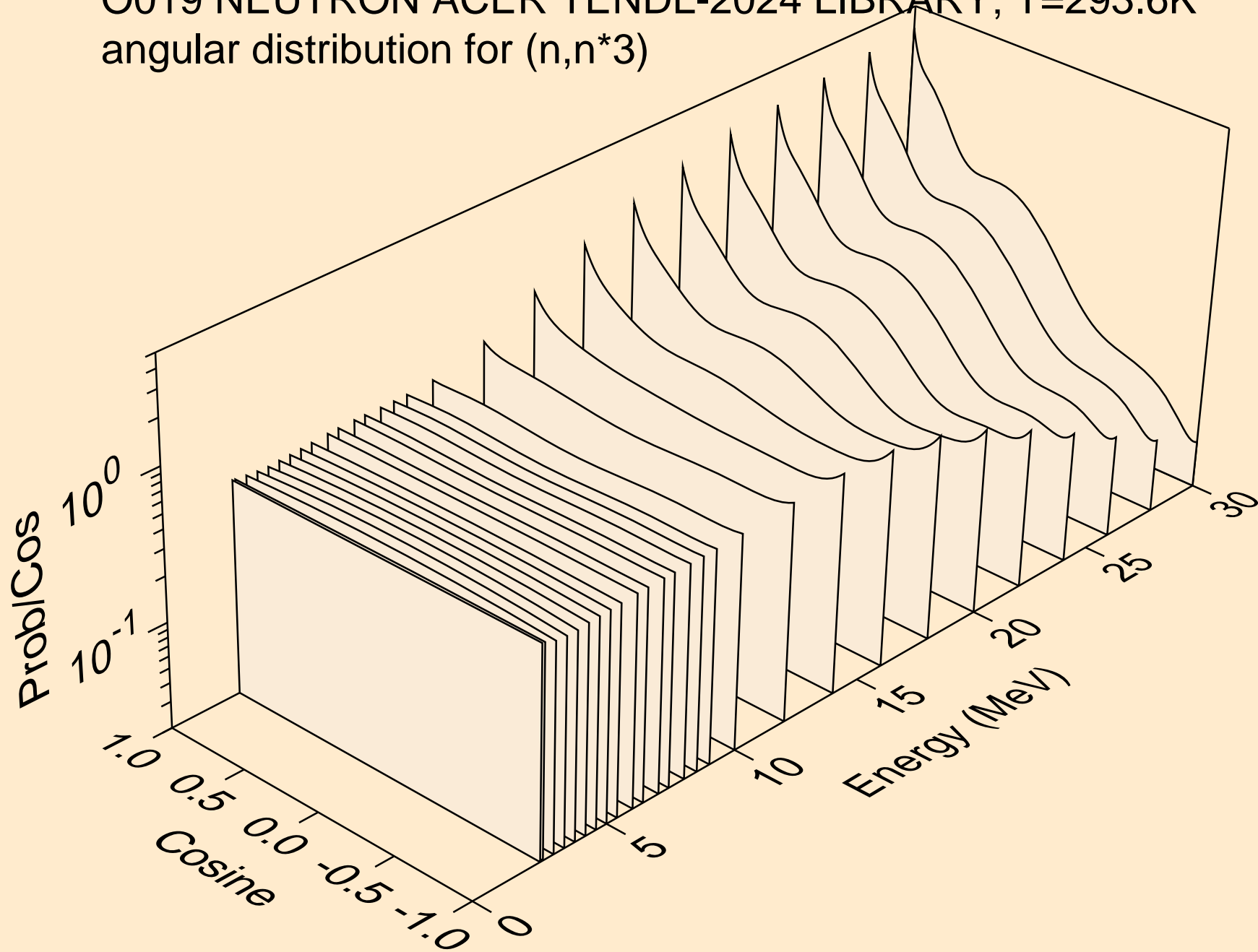


O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)

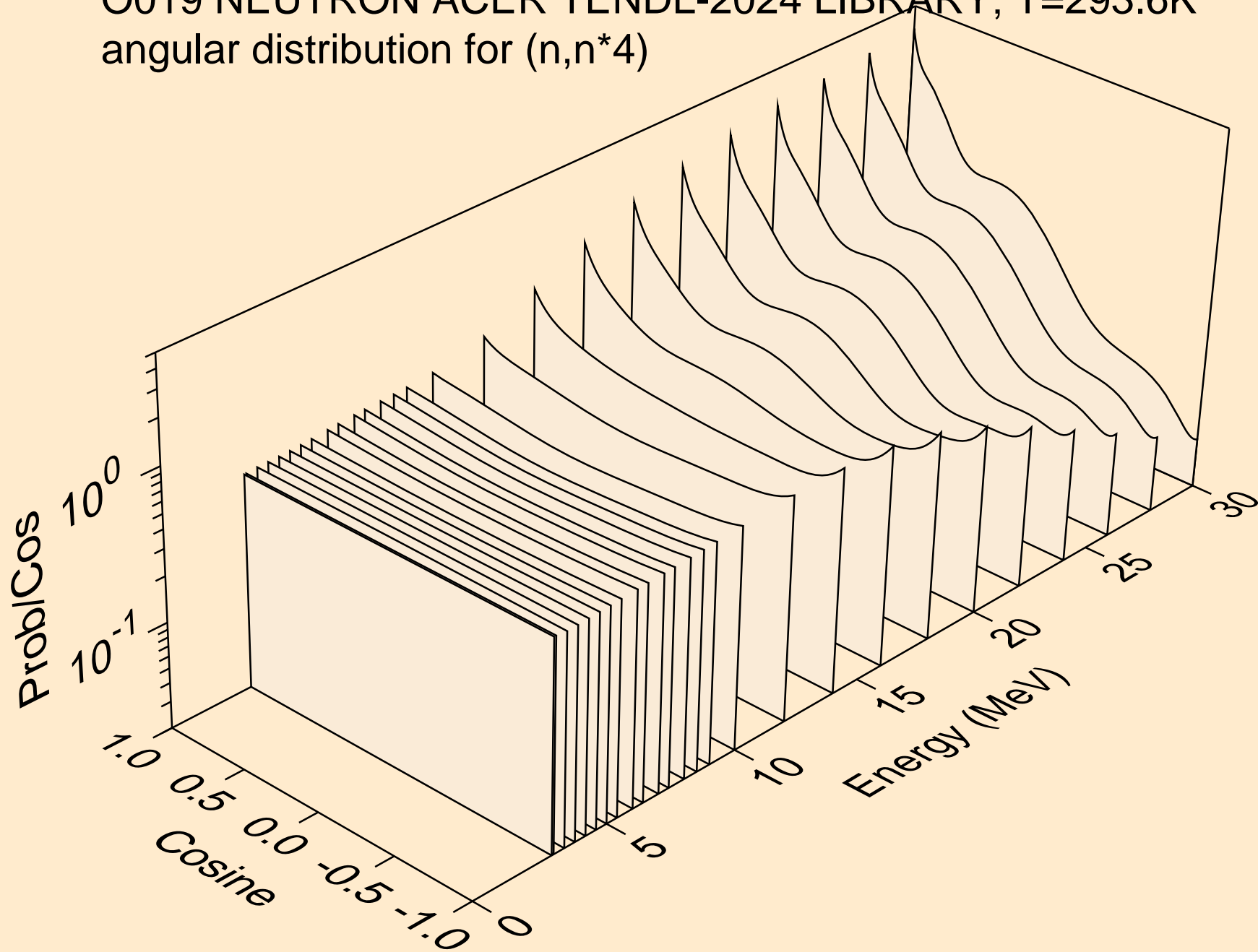




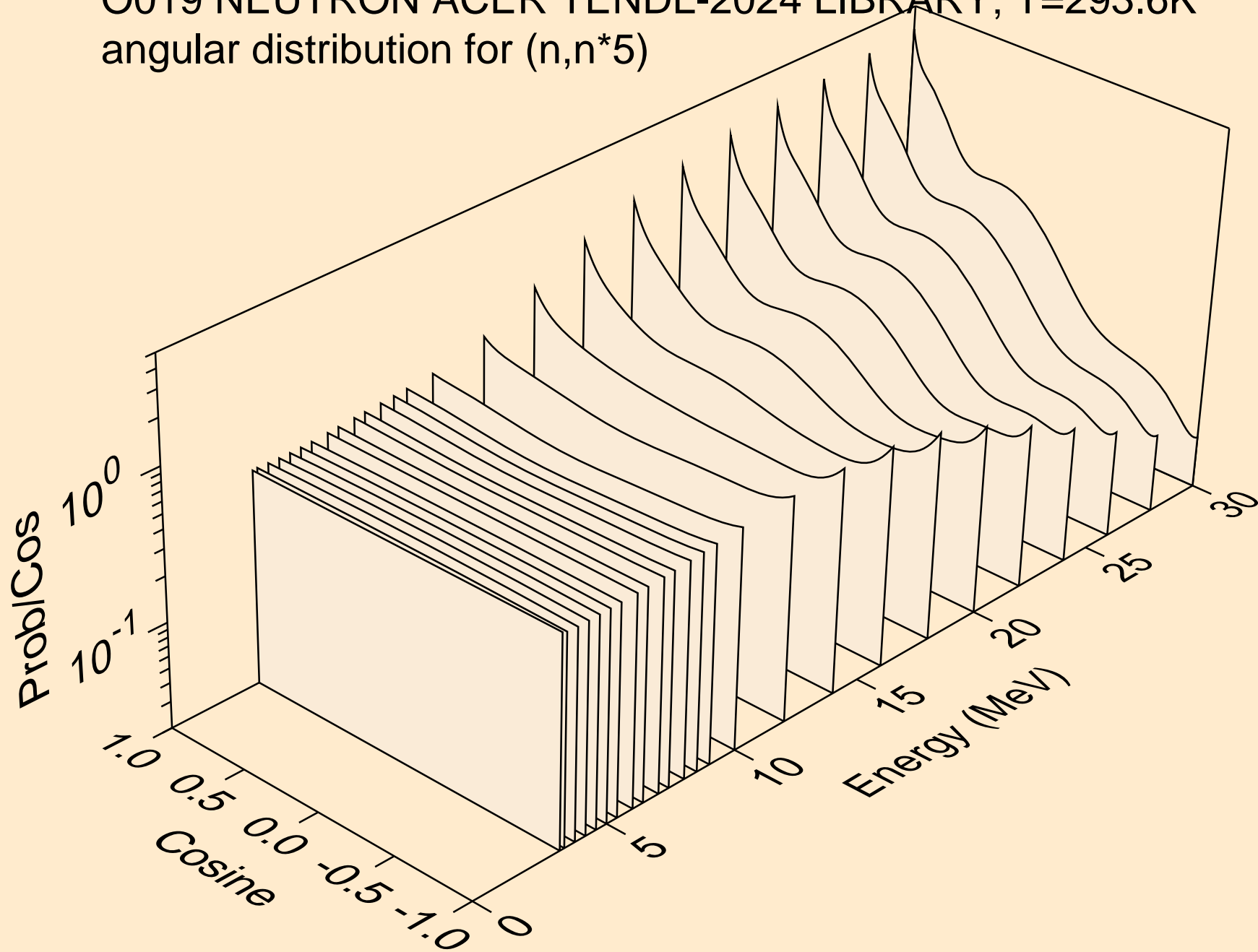
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angular distribution for (n,n\*3)



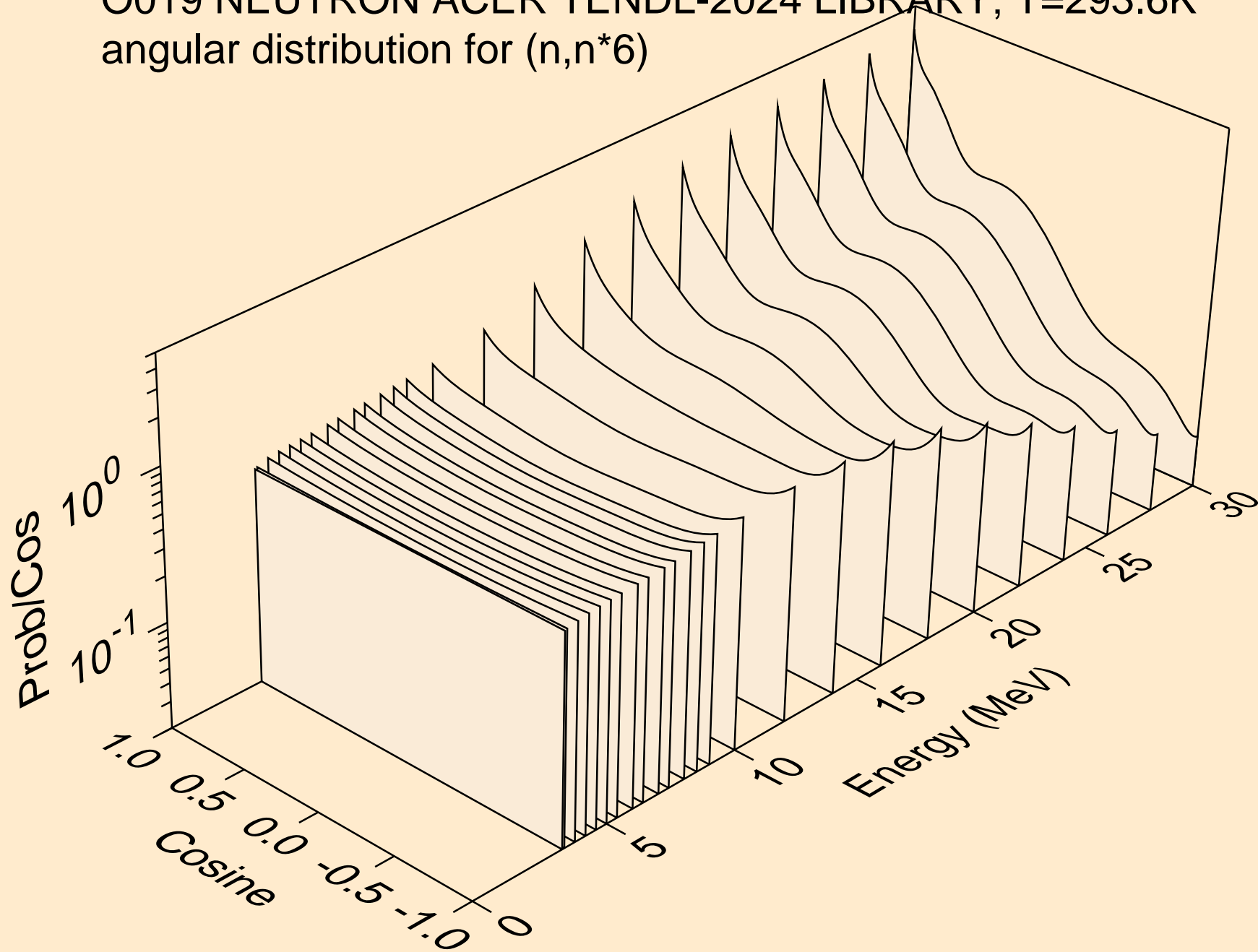
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angular distribution for (n,n\*4)



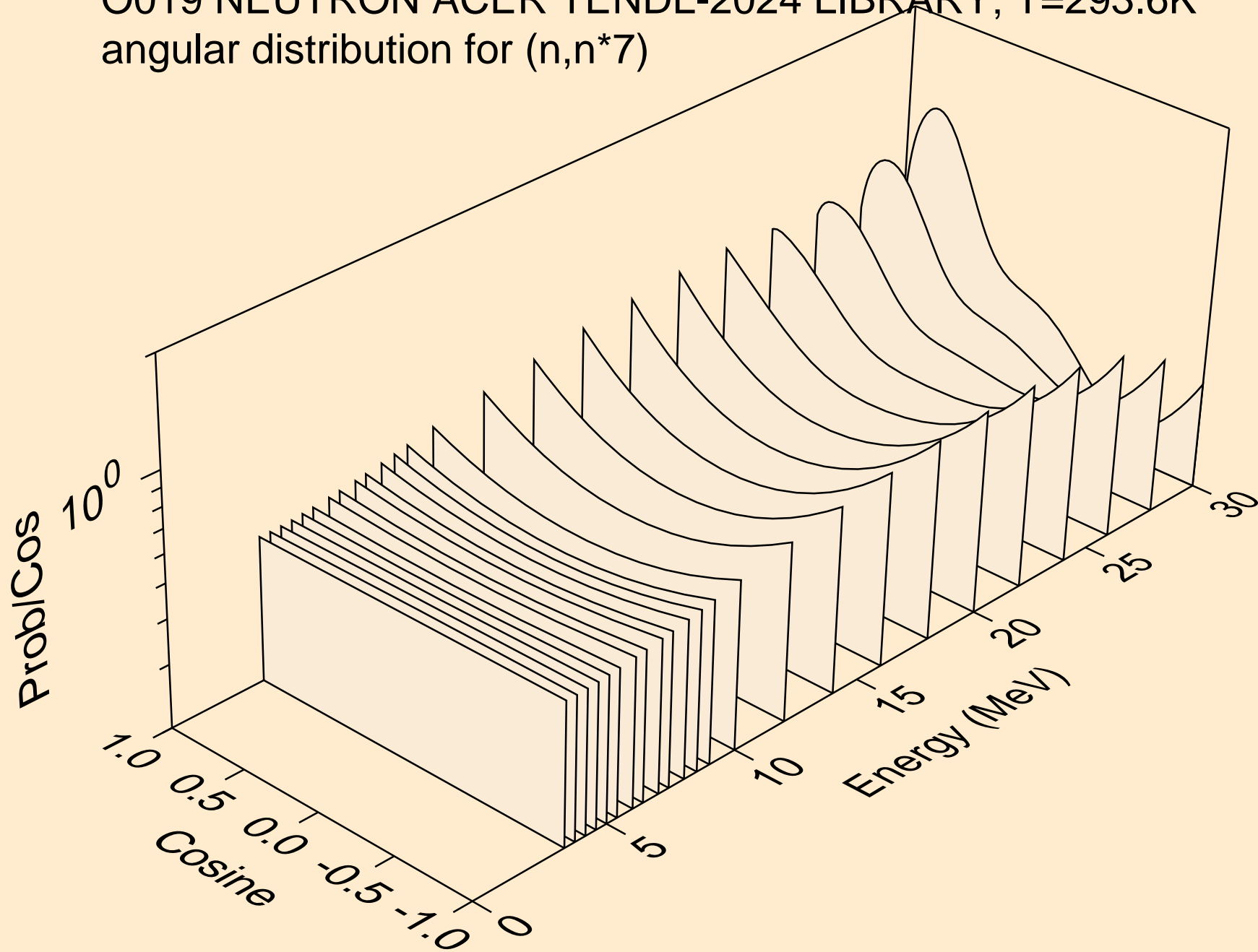
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angular distribution for (n,n\*5)



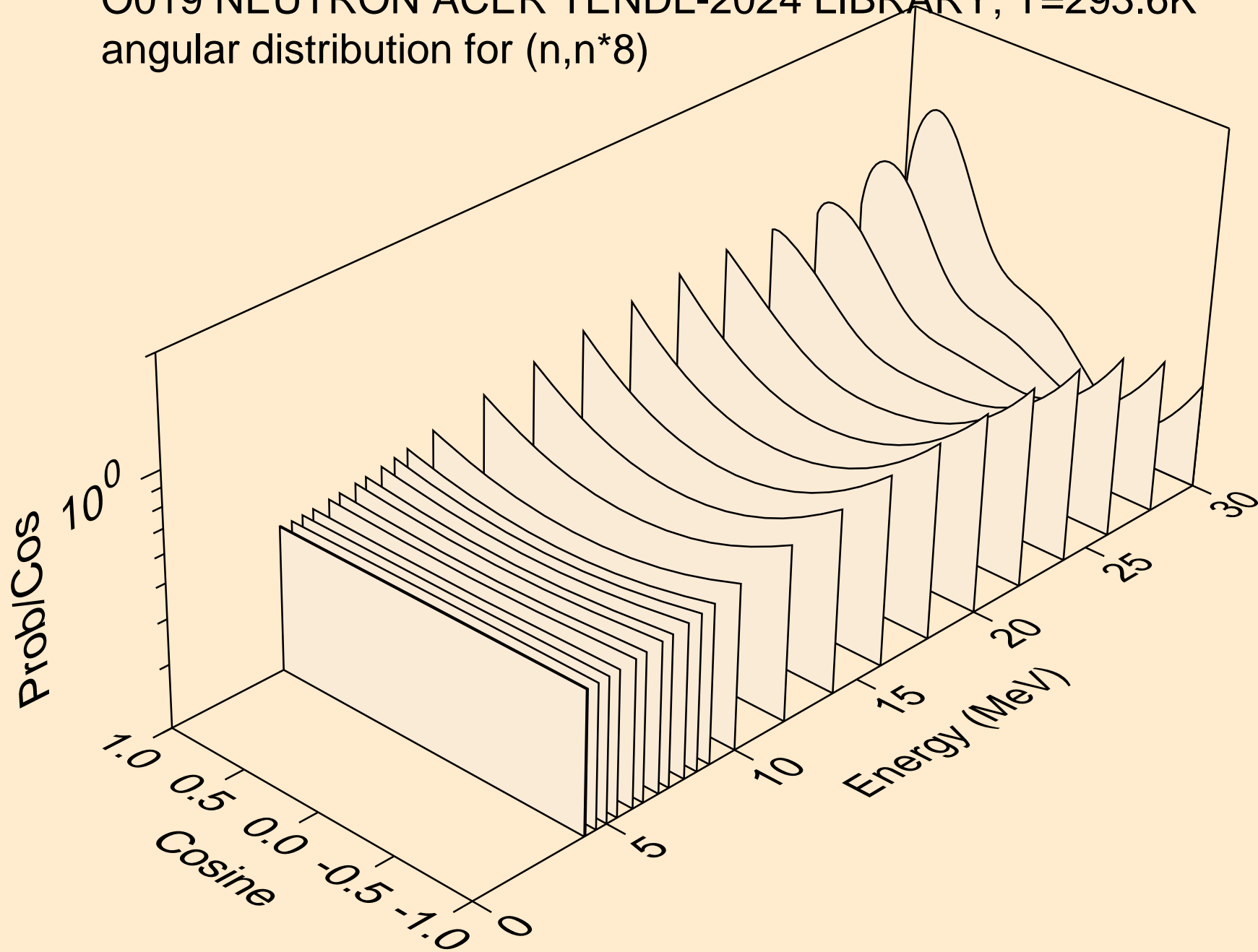
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angular distribution for (n,n\*6)



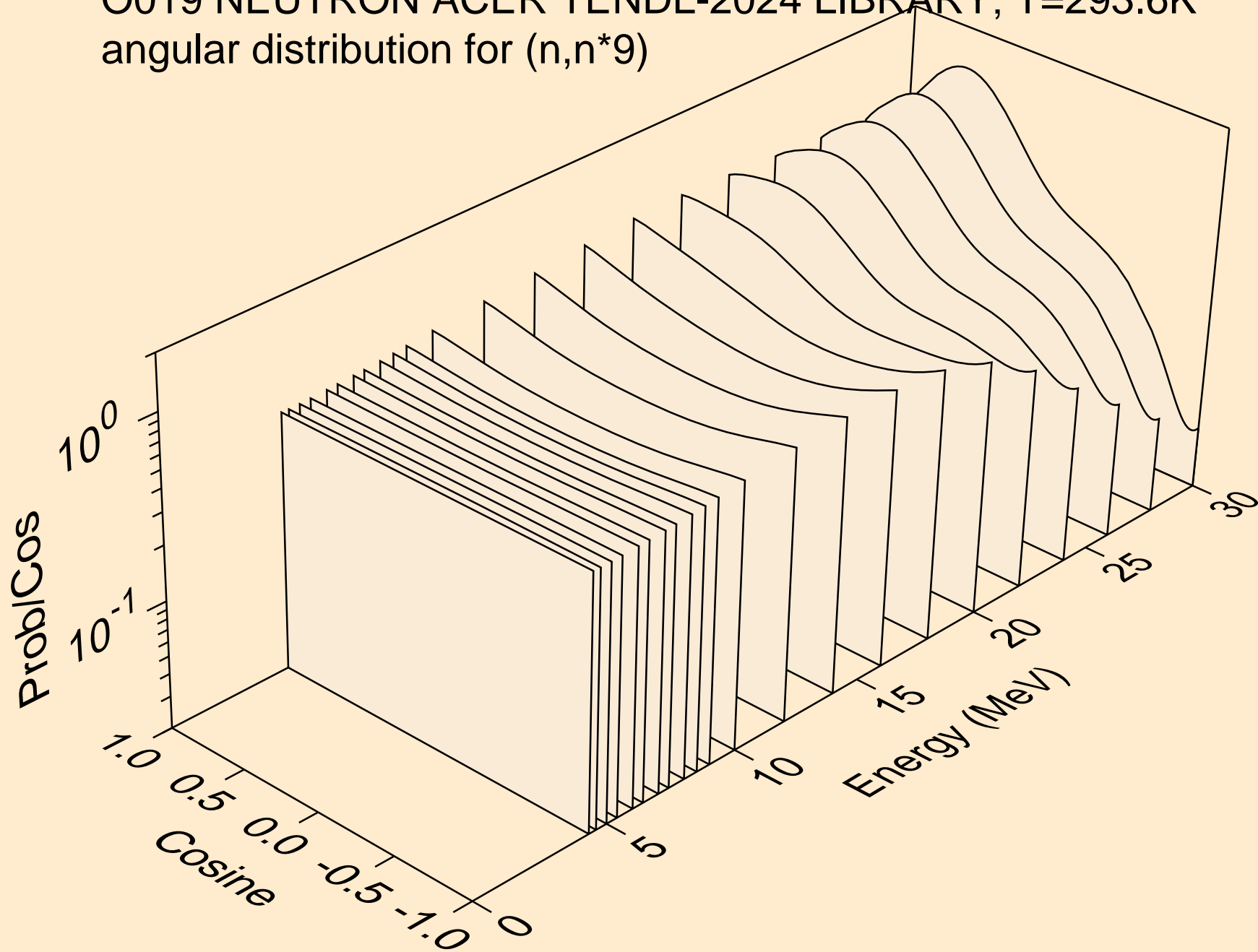
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angular distribution for (n,n\*7)



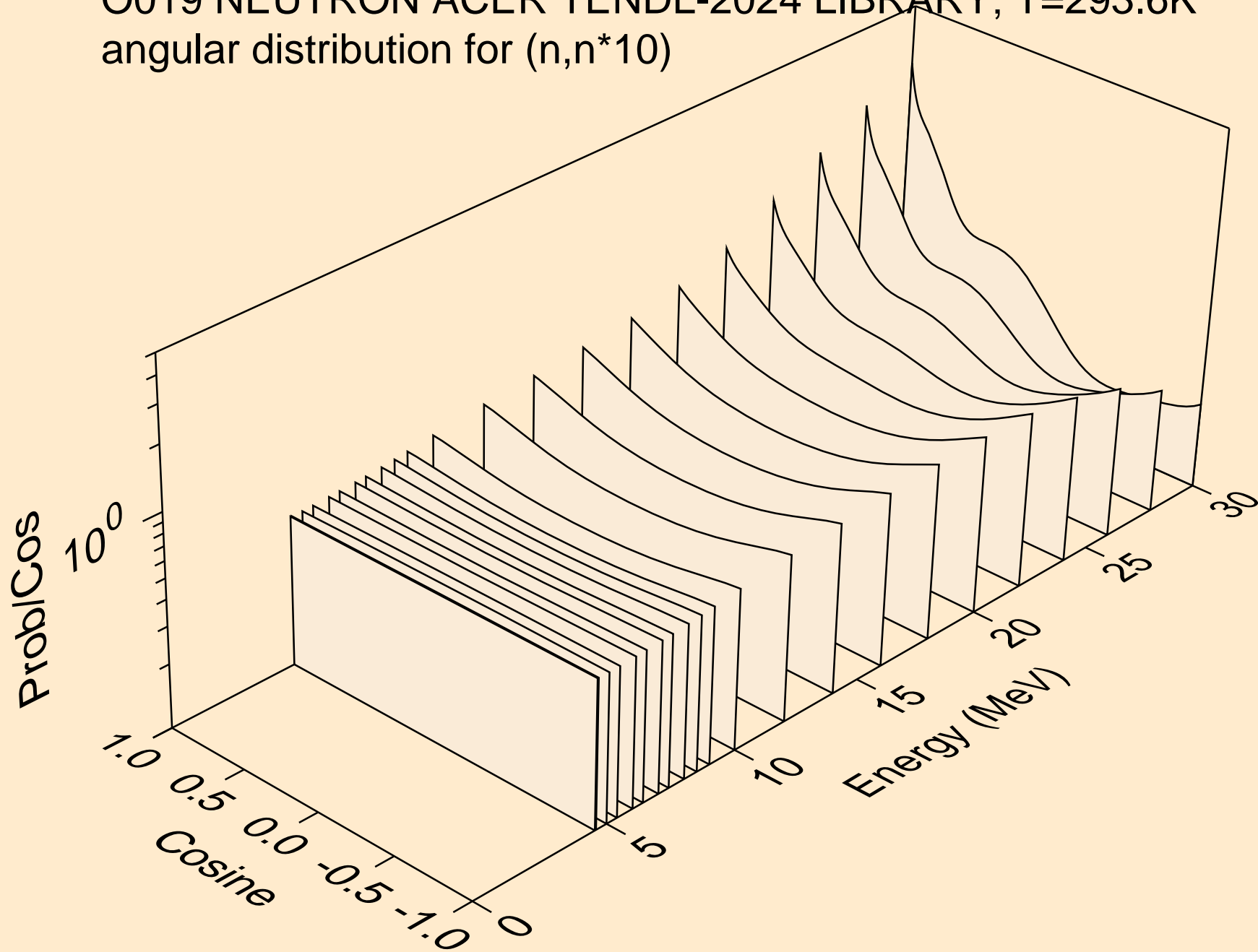
O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*8)



O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*9)

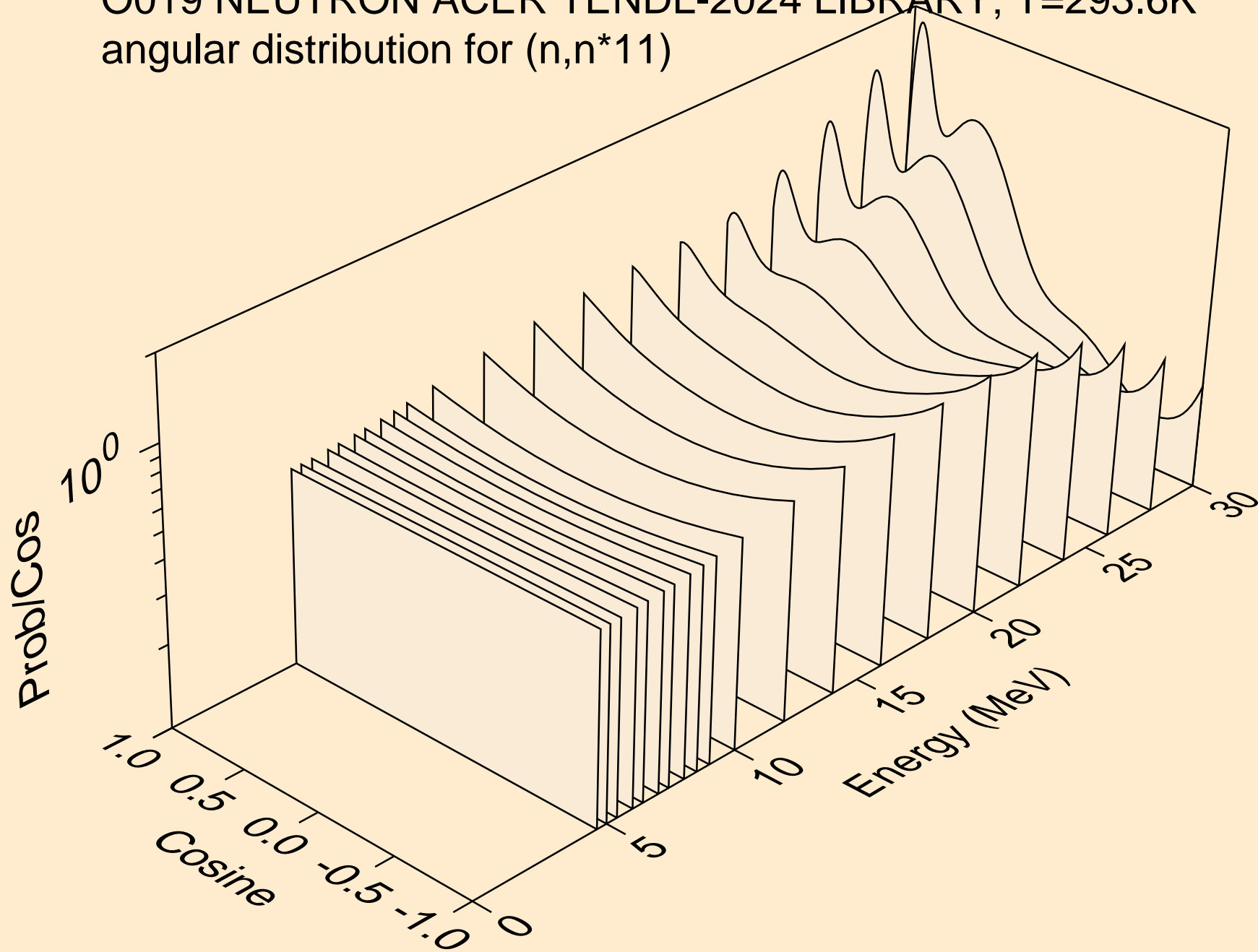


O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*10)

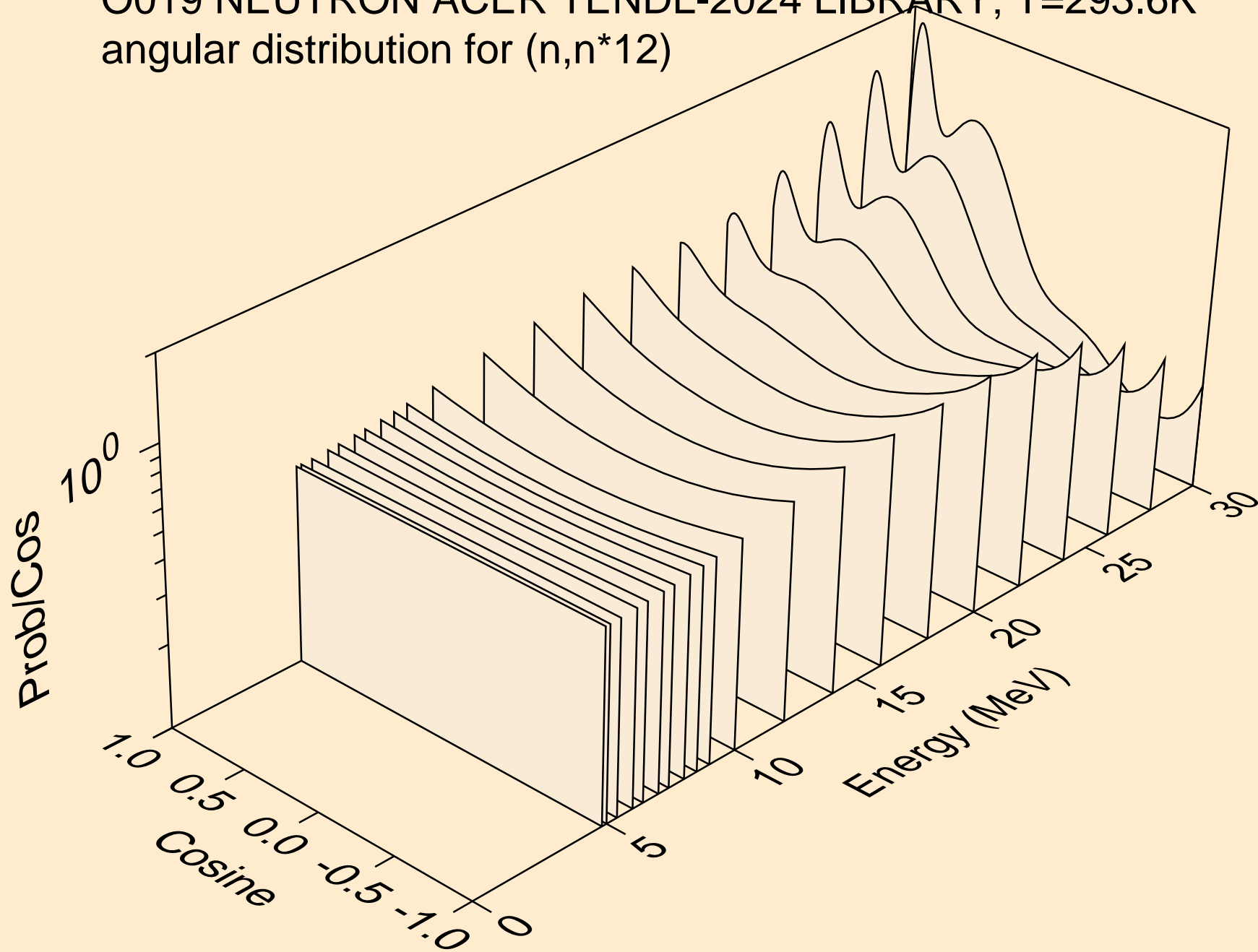




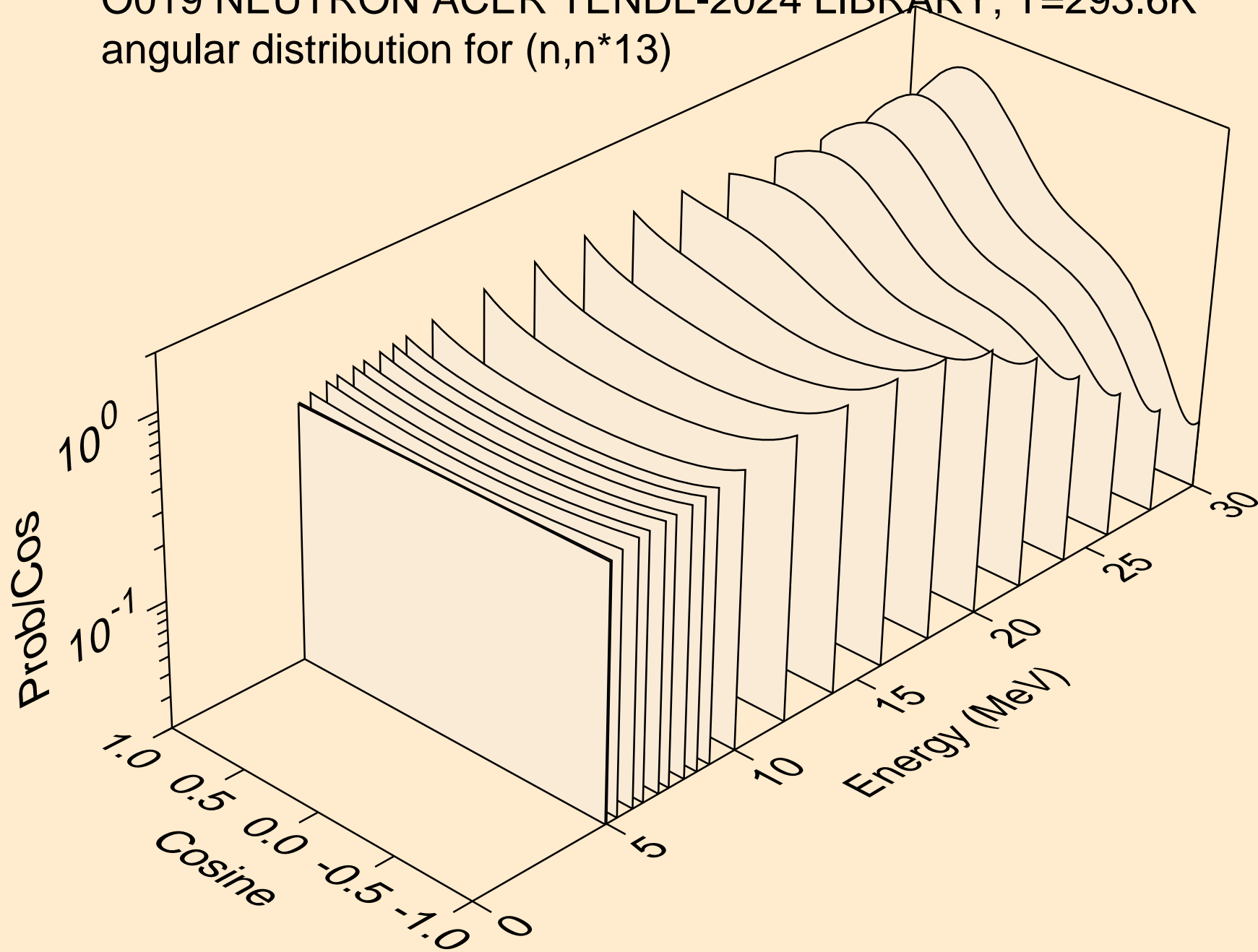
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angular distribution for (n,n\*11)



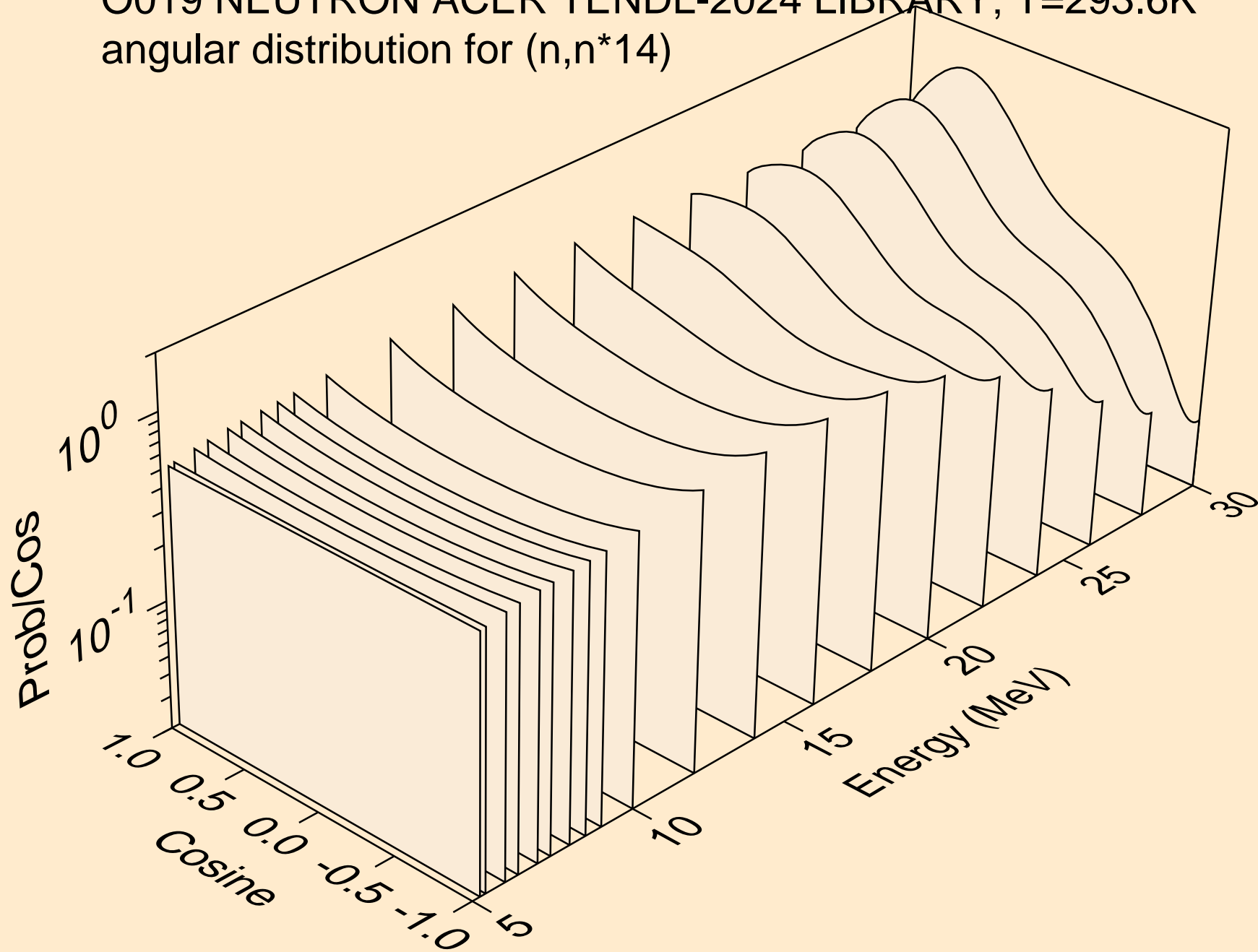
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angular distribution for (n,n\*12)



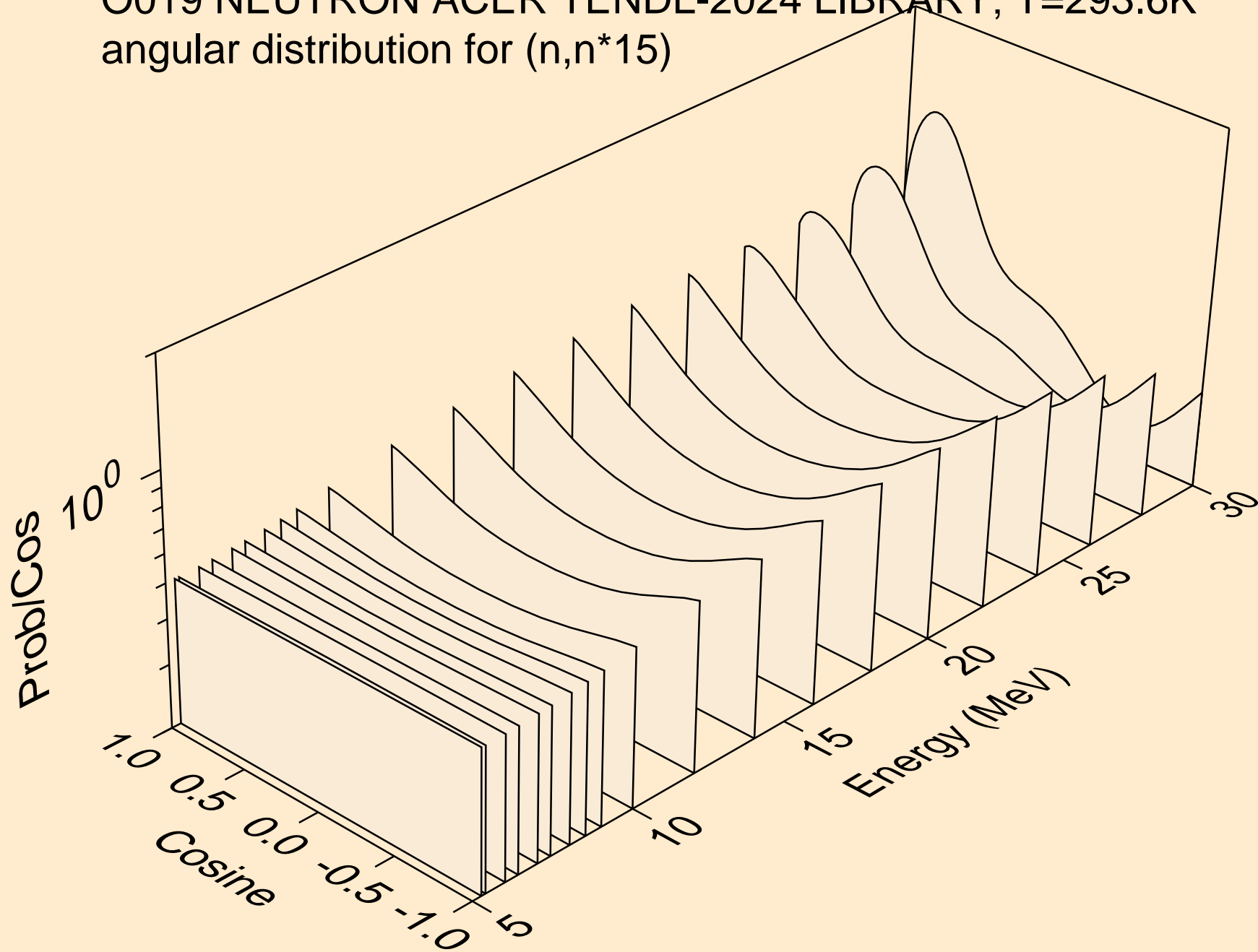
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angular distribution for (n,n\*13)



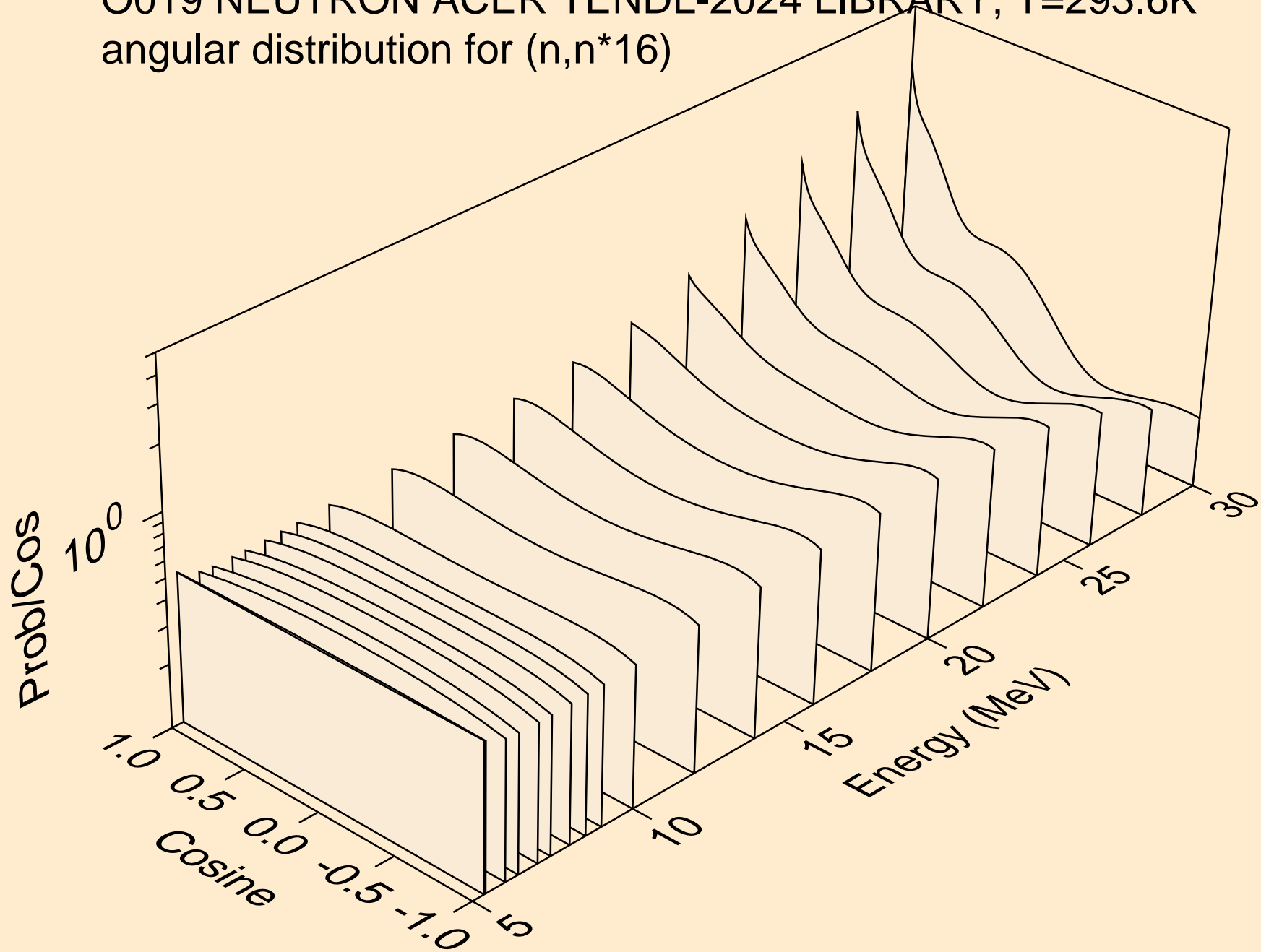
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angular distribution for (n,n\*14)



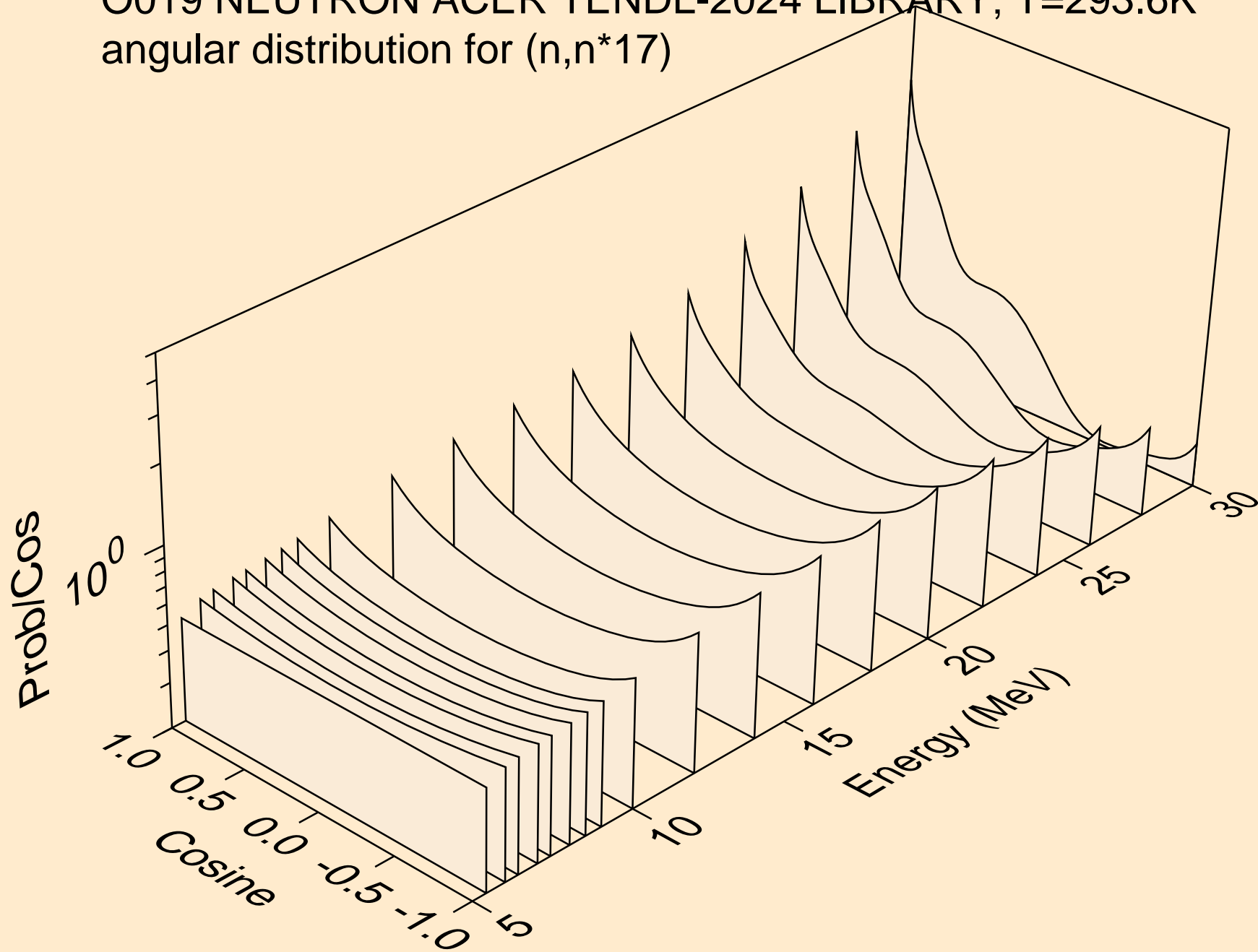
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angular distribution for (n,n\*15)



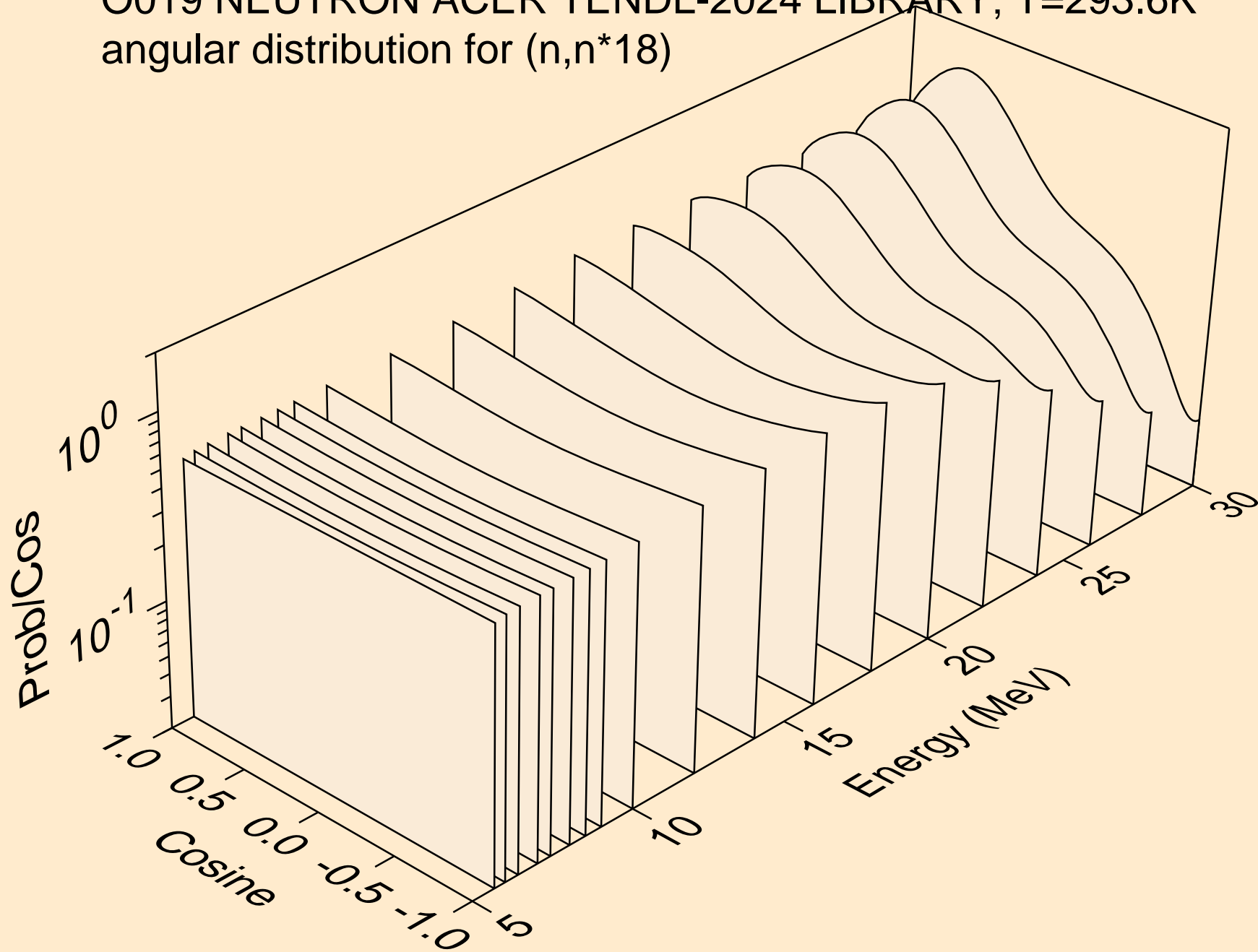
O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*16)



O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*17)

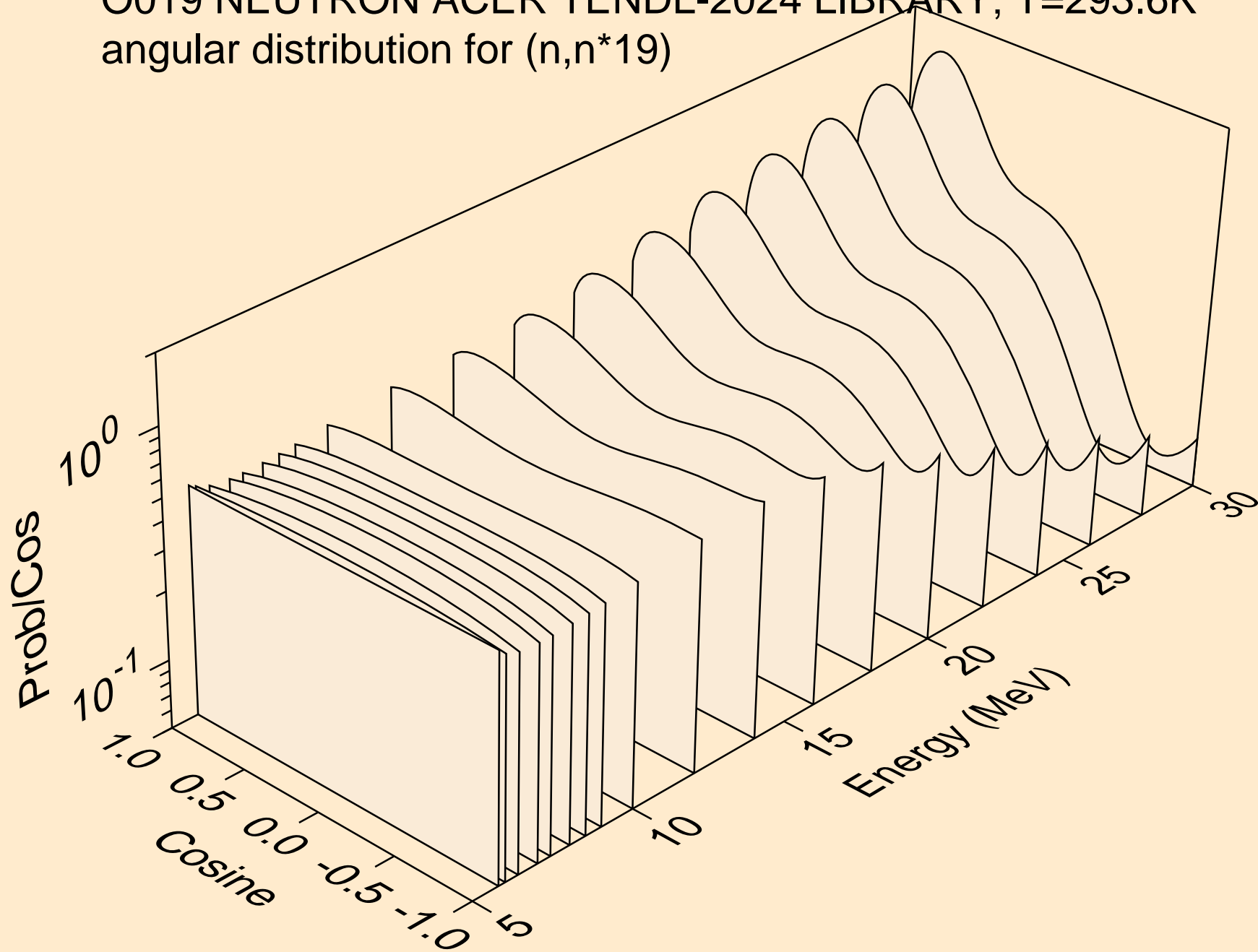


O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*18)

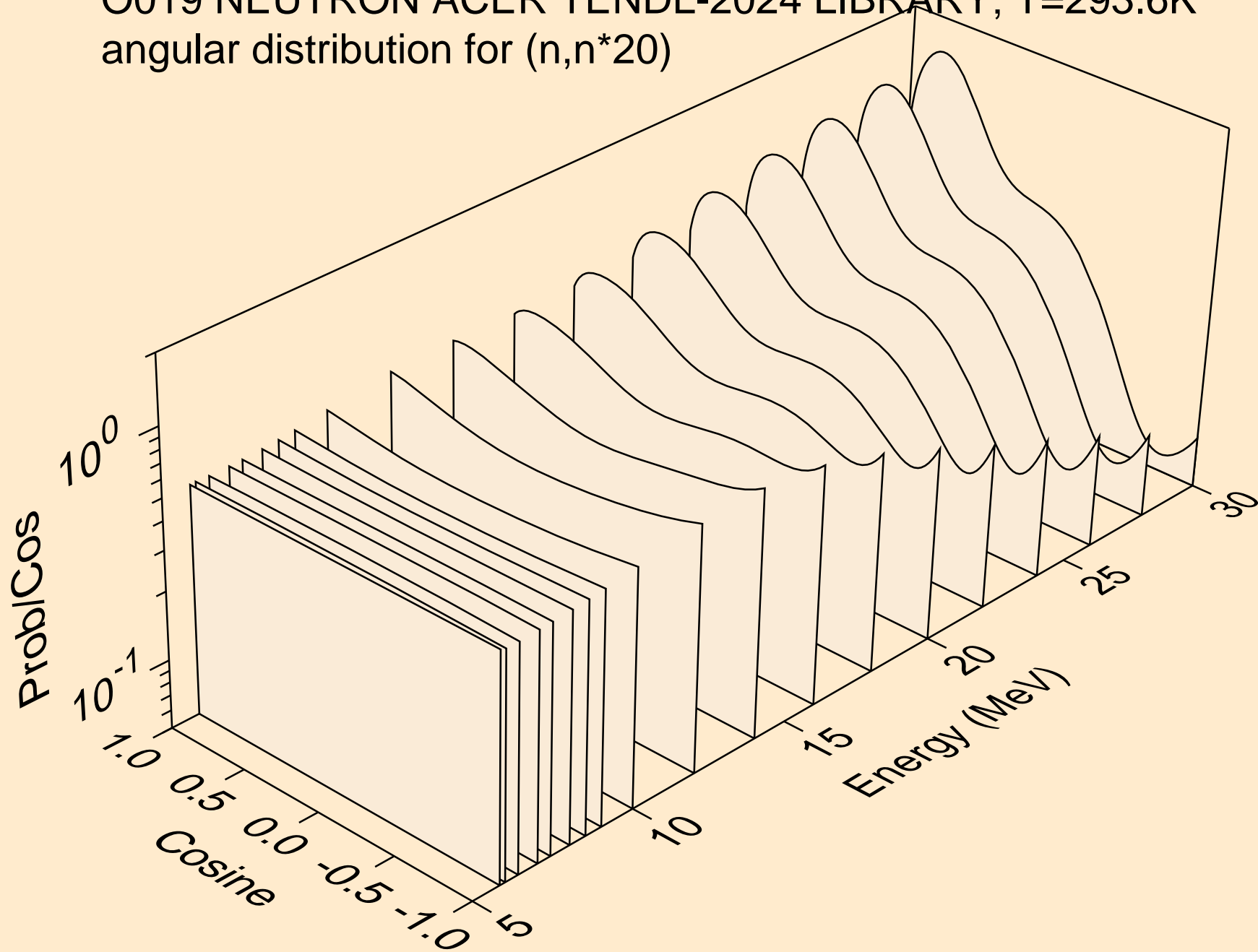




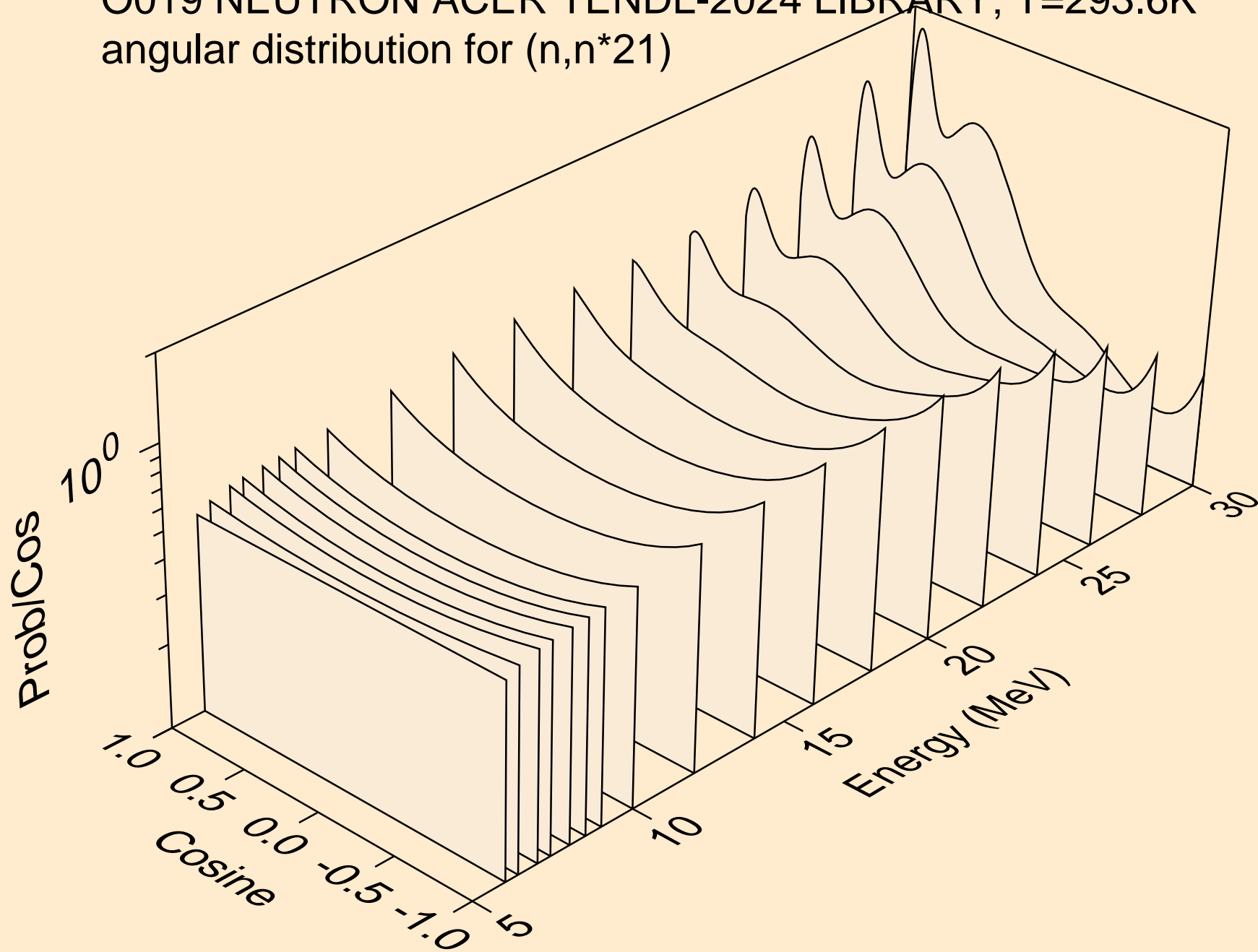
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angular distribution for (n,n\*19)



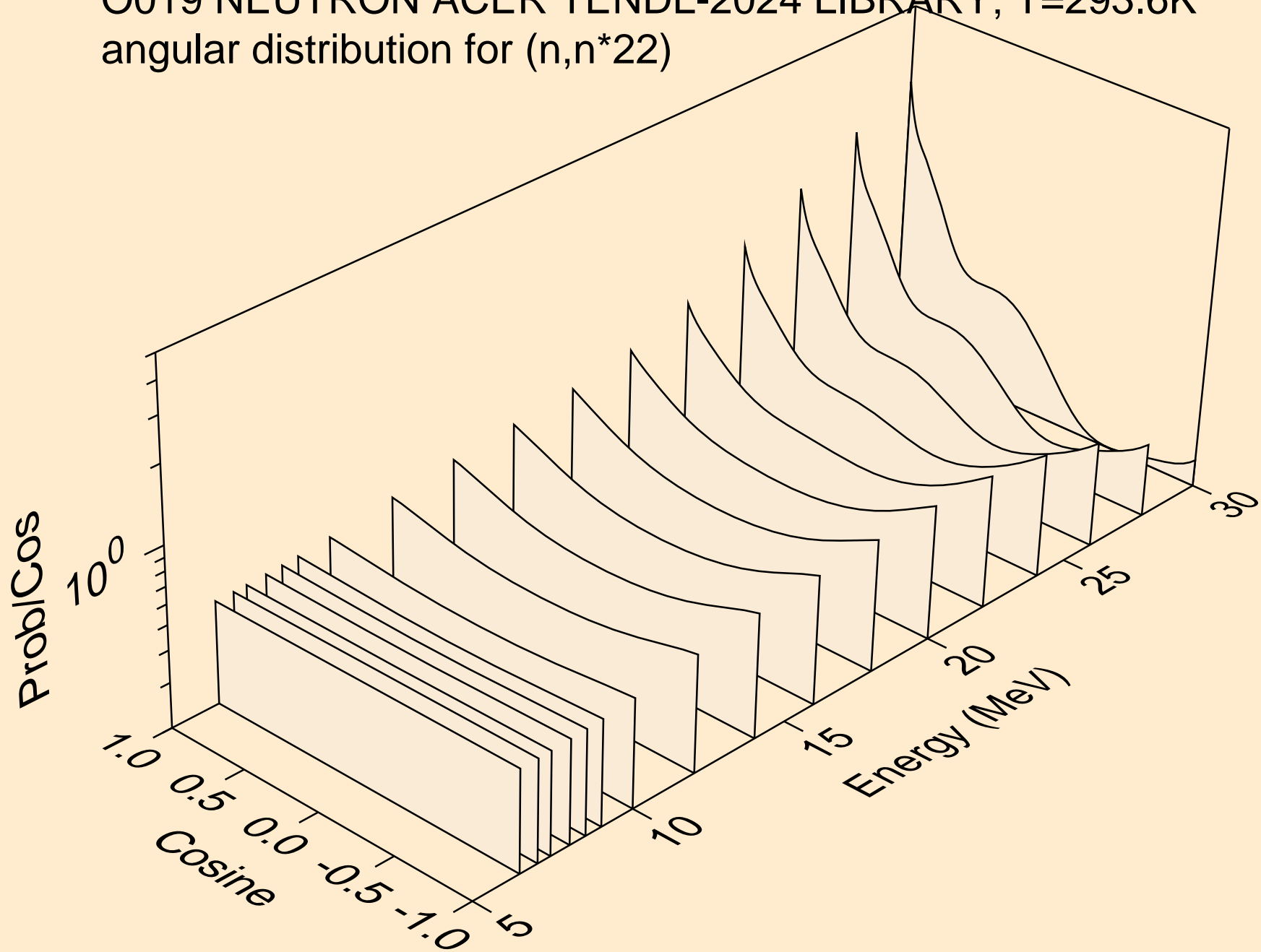
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angular distribution for (n,n\*20)



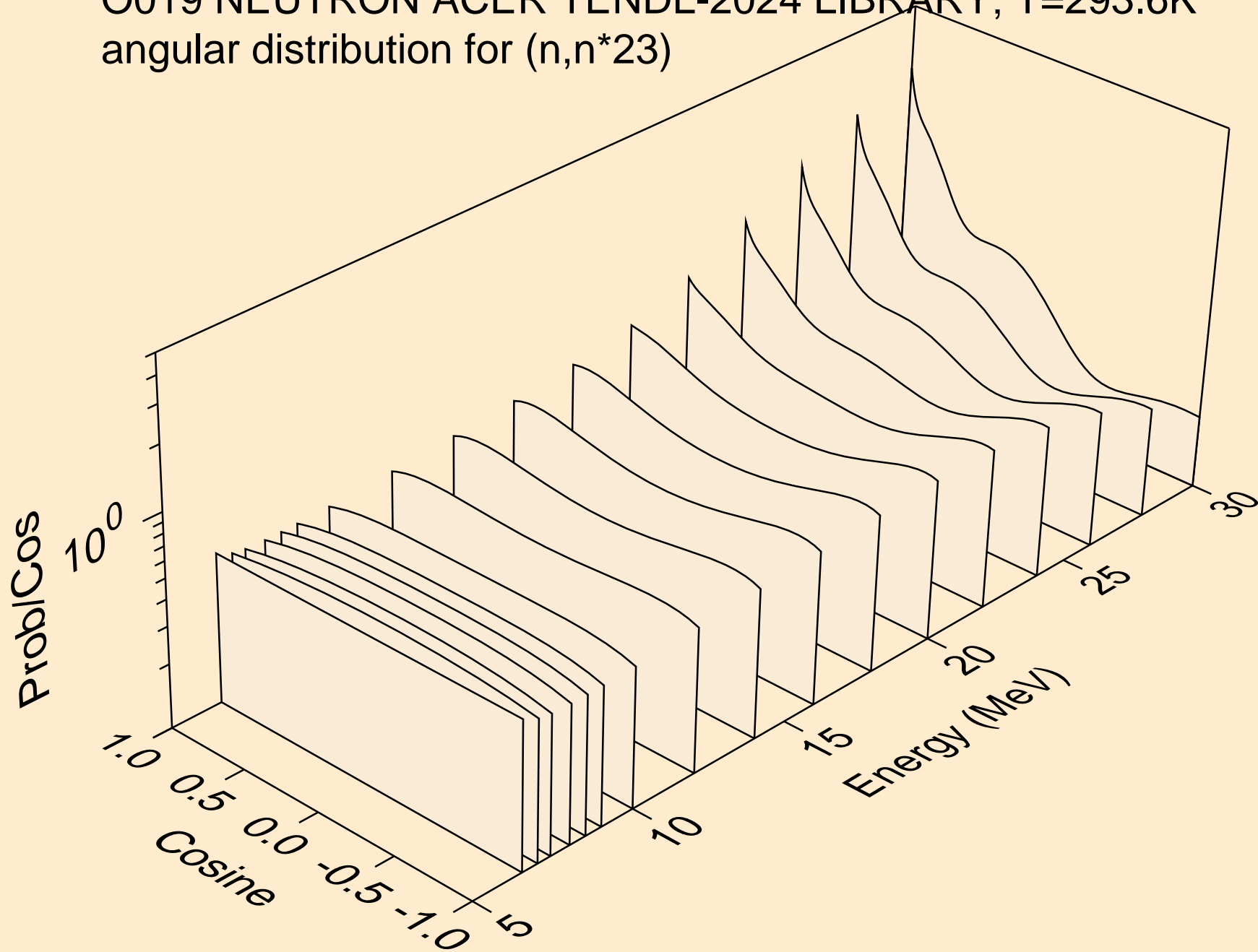
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angular distribution for (n,n\*21)



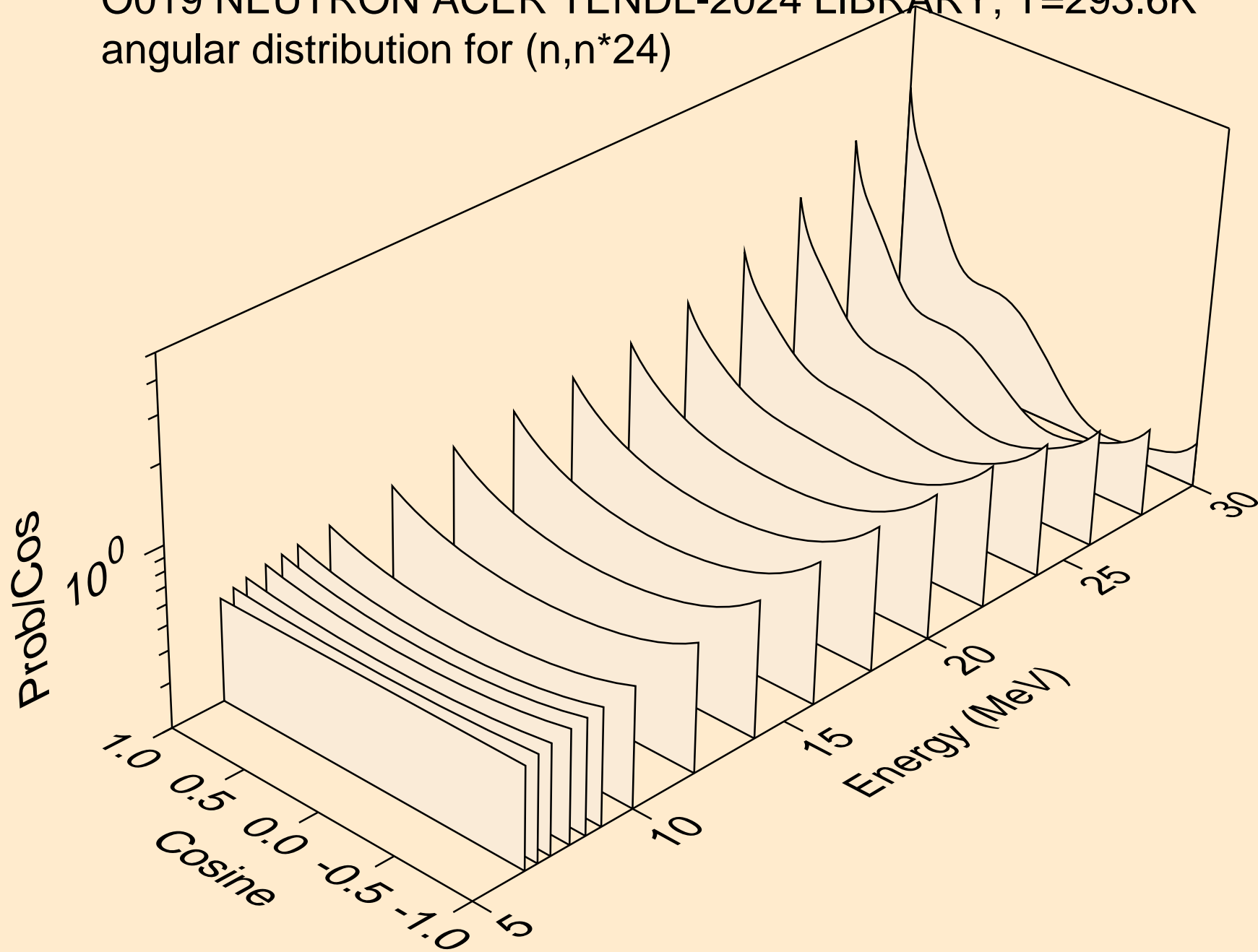
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angular distribution for (n,n\*22)



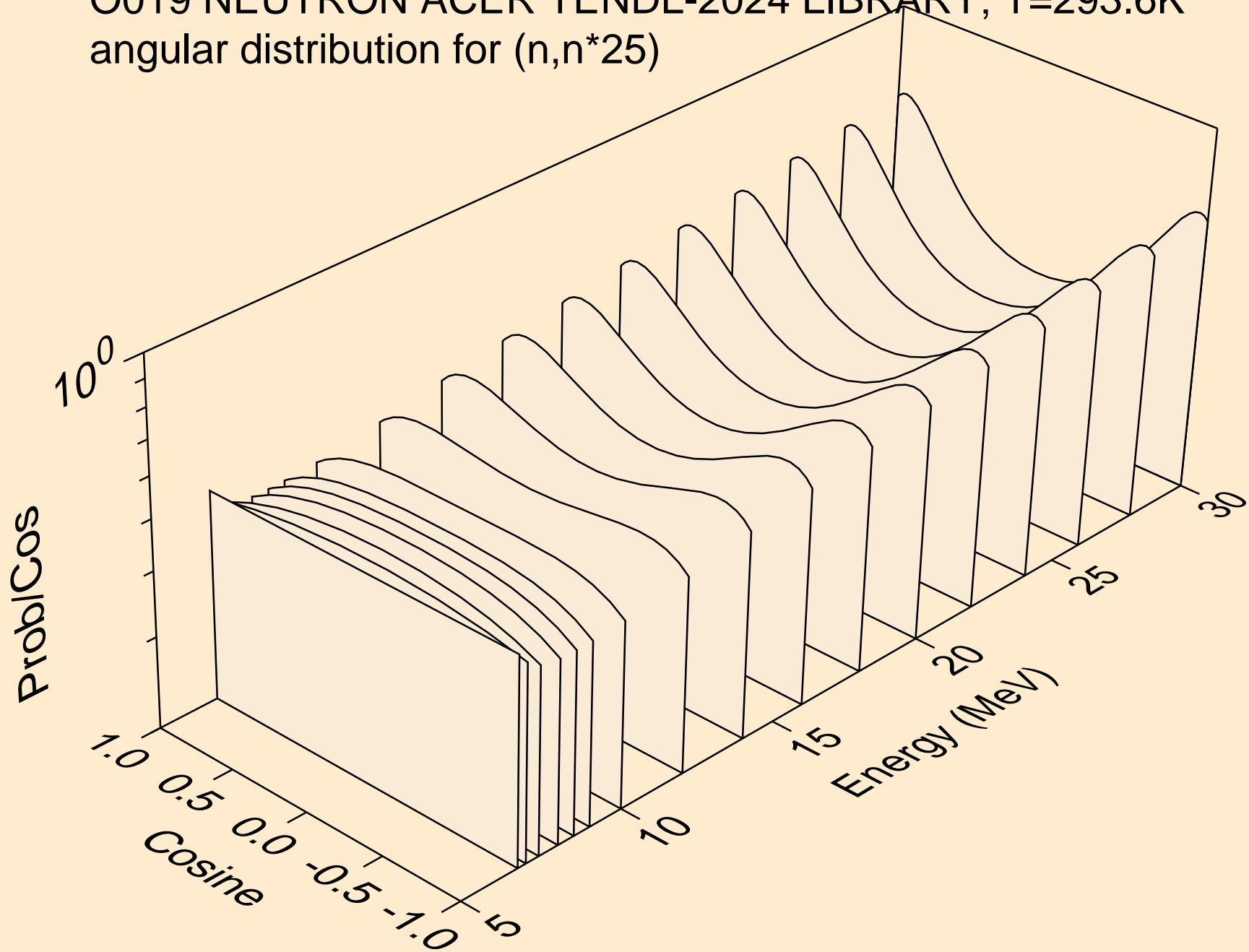
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angular distribution for (n,n\*23)



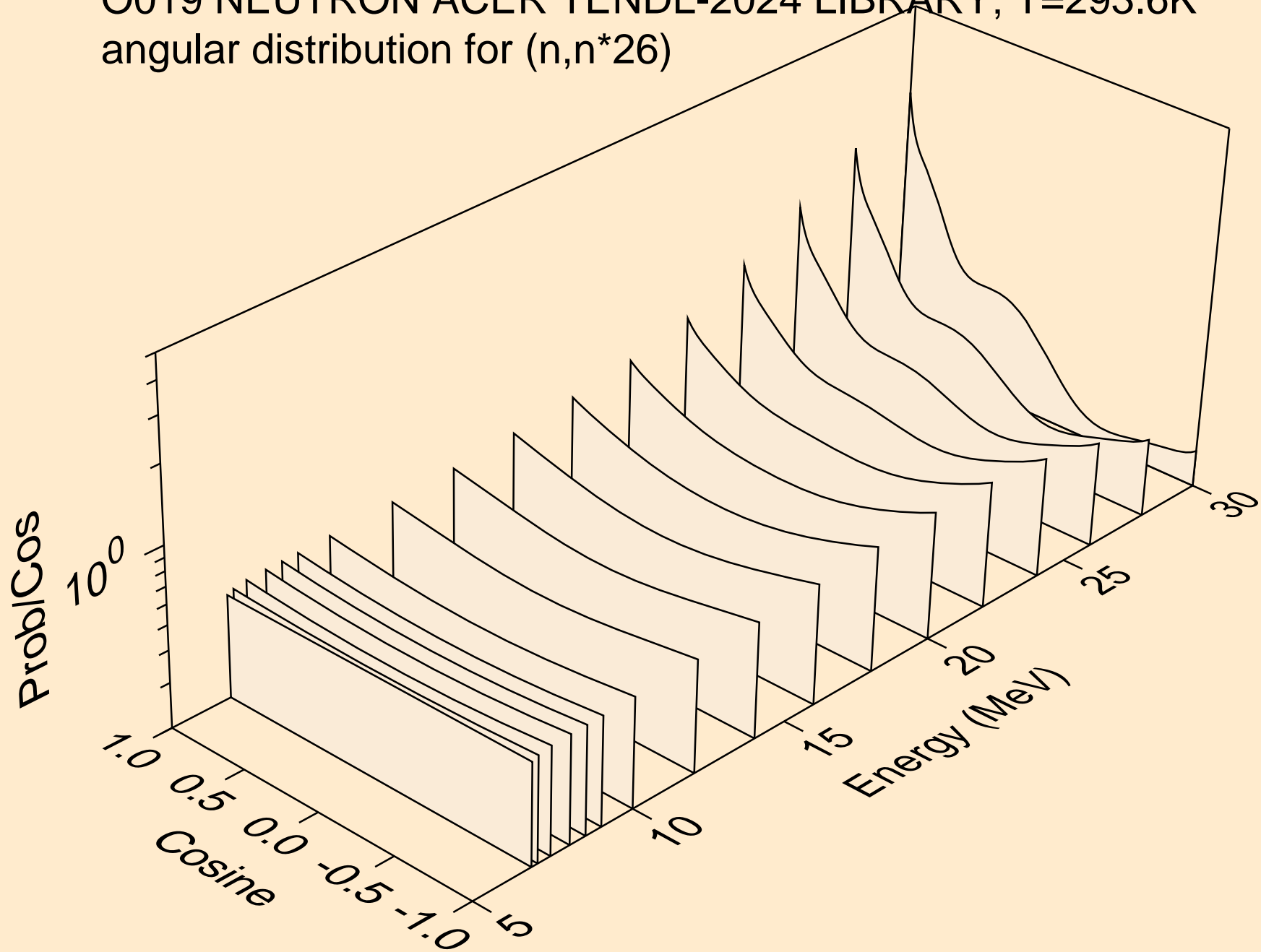
O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*24)



O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*25)

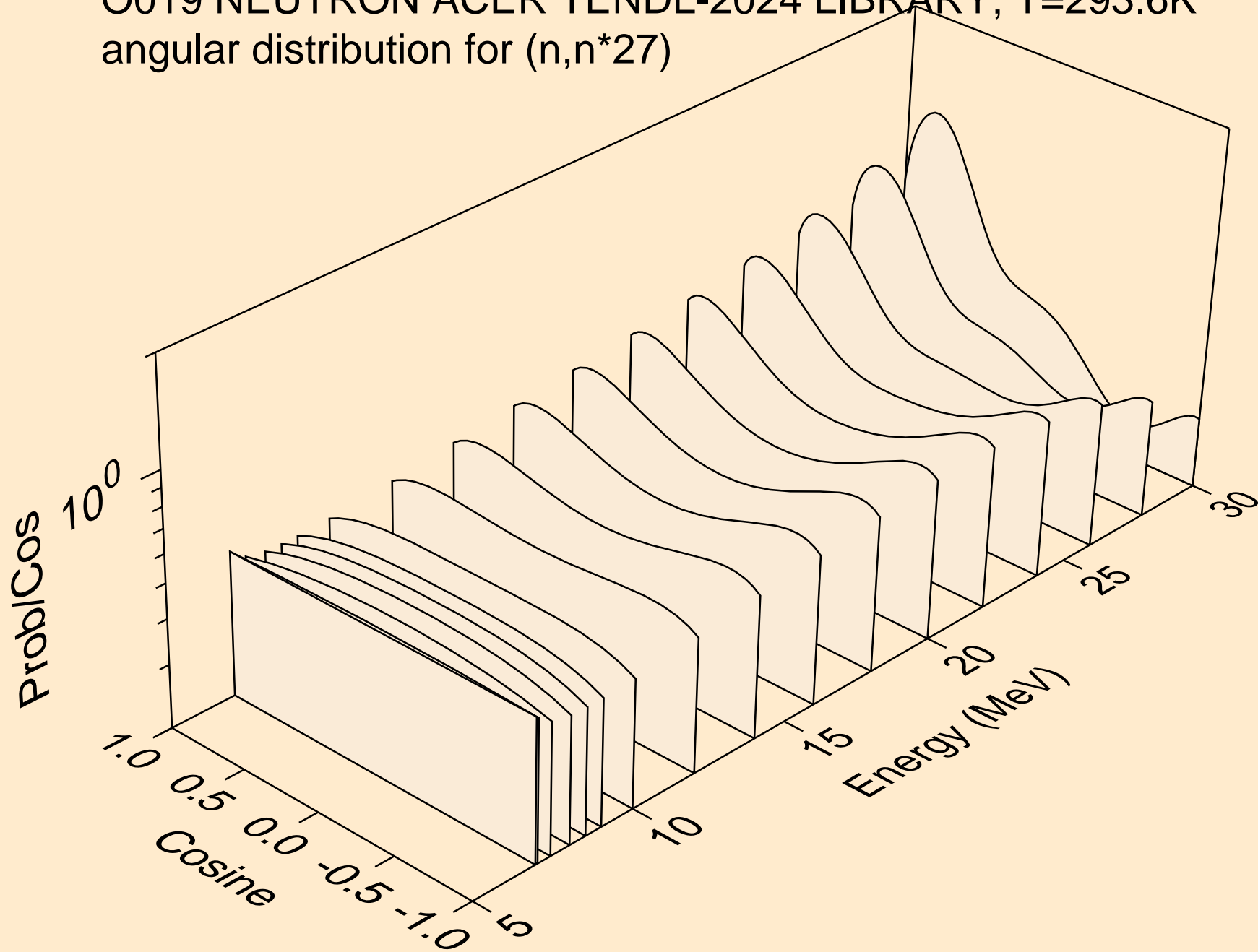


O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*26)

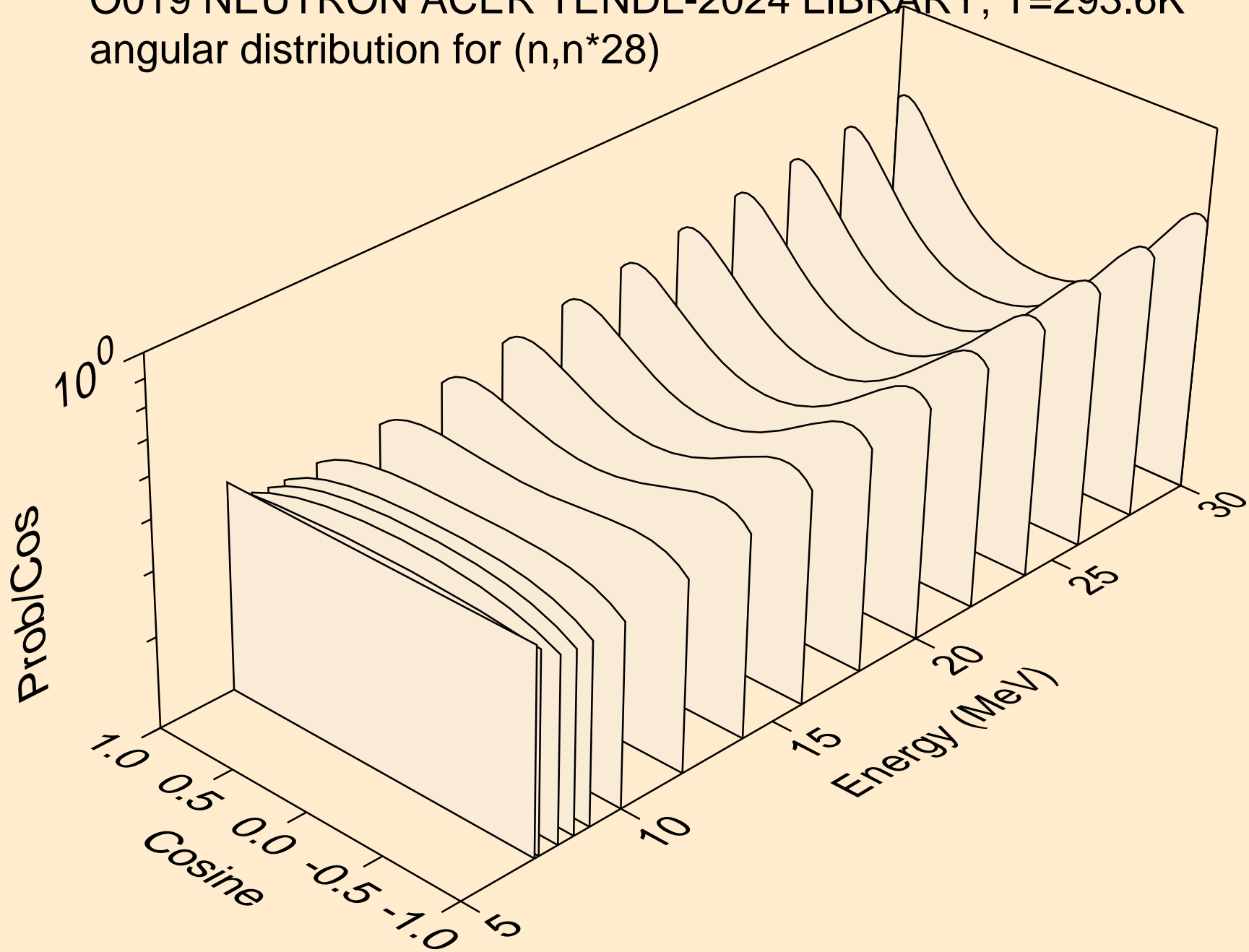




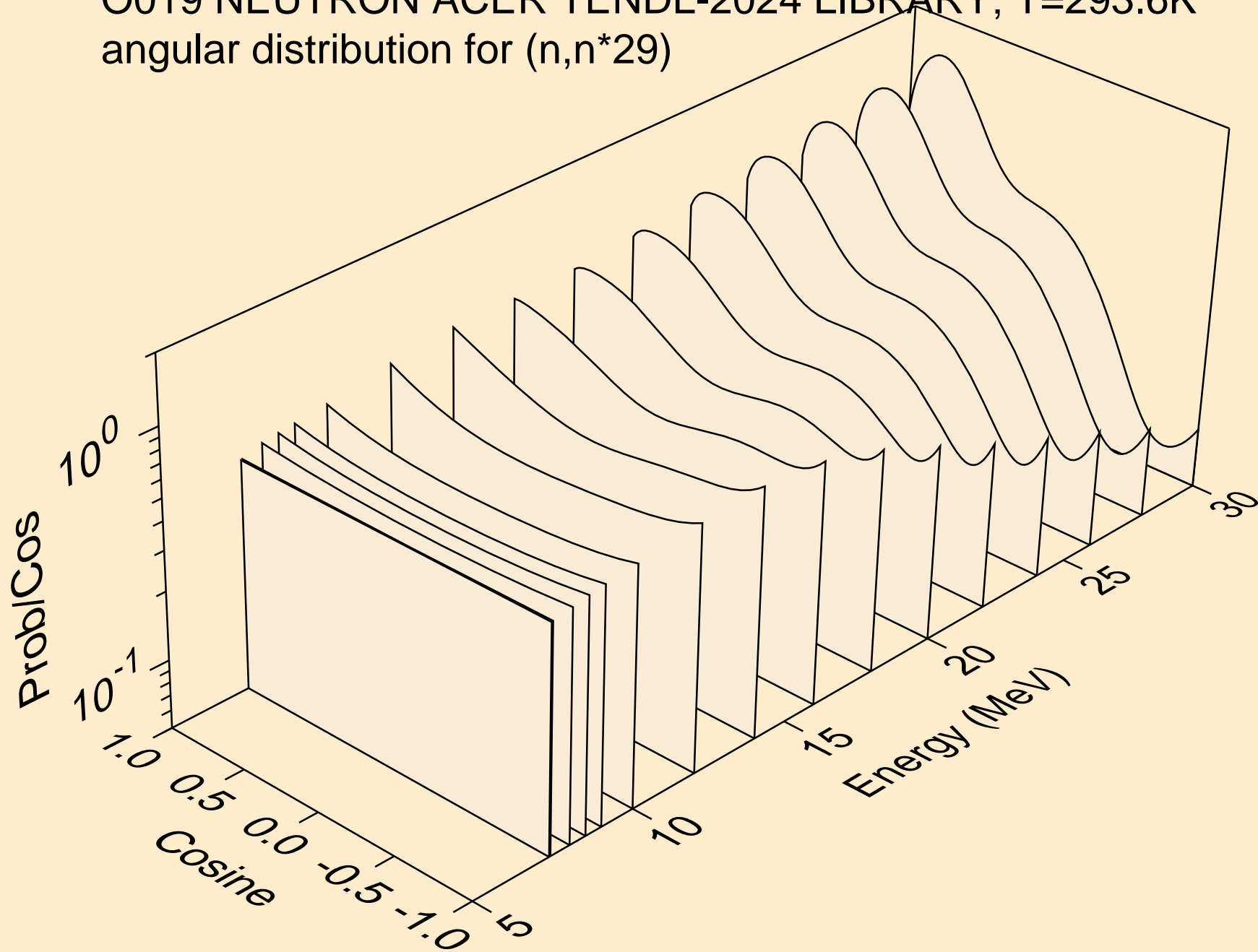
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angular distribution for (n,n\*27)



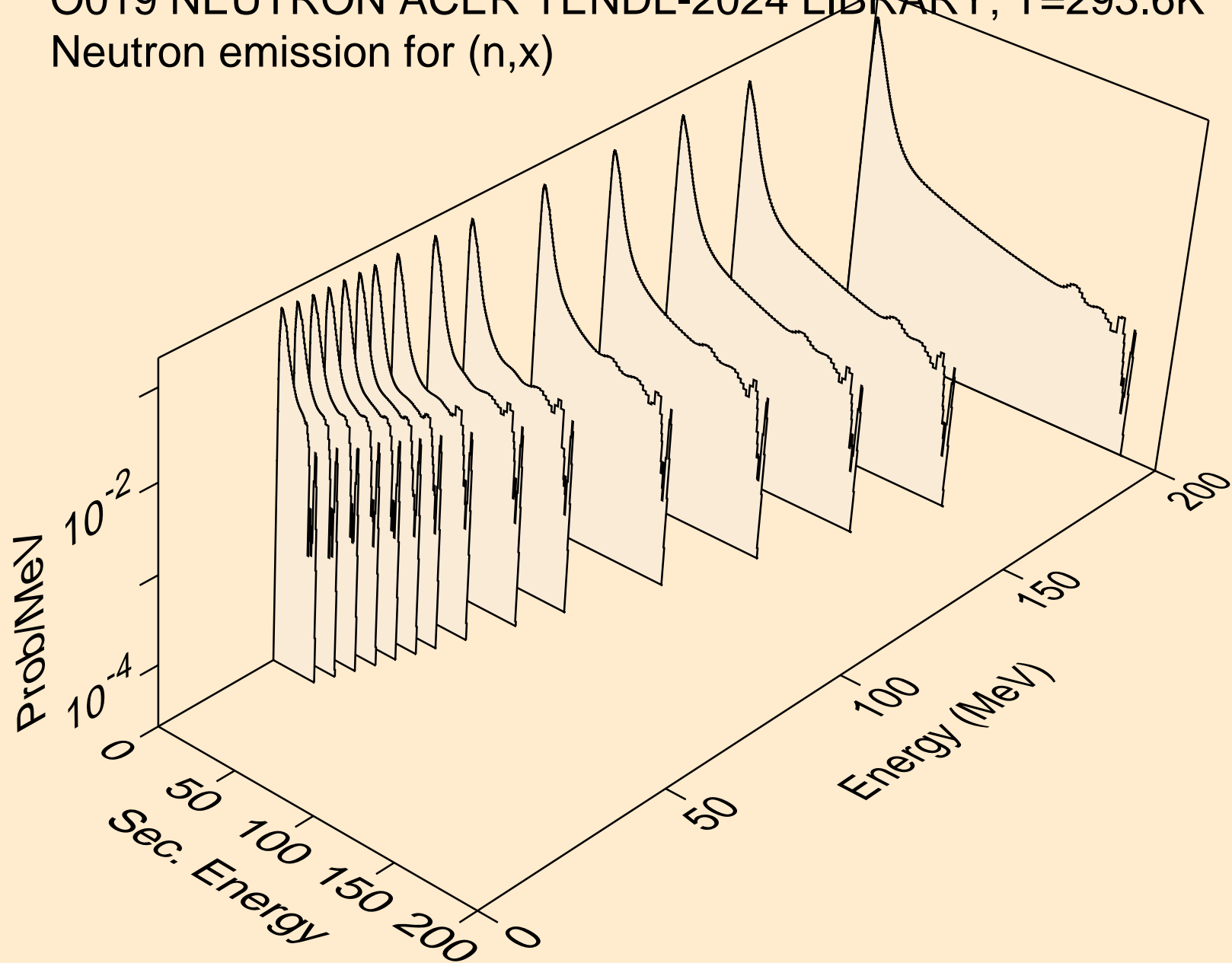
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angular distribution for (n,n\*28)



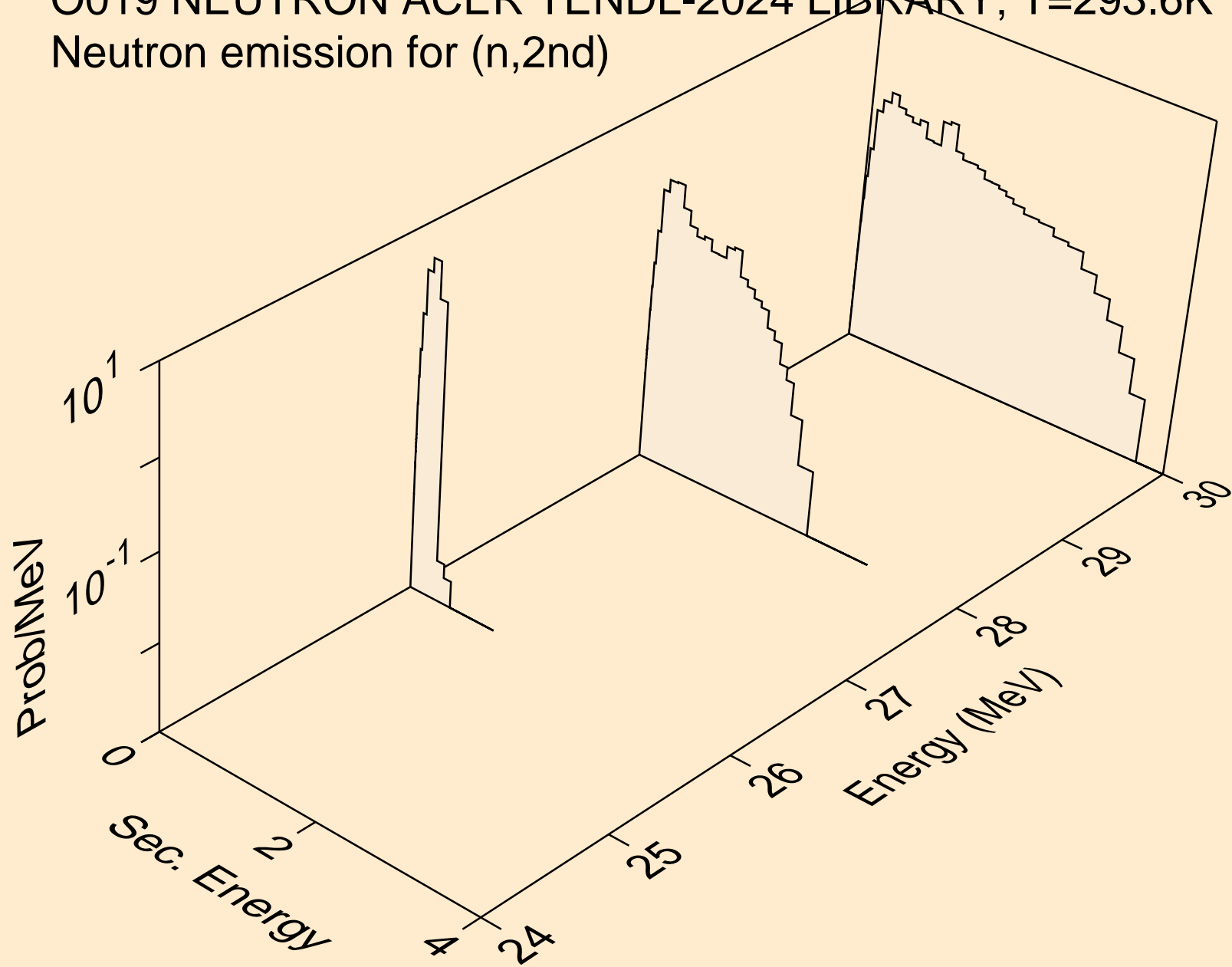
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angular distribution for (n,n\*29)



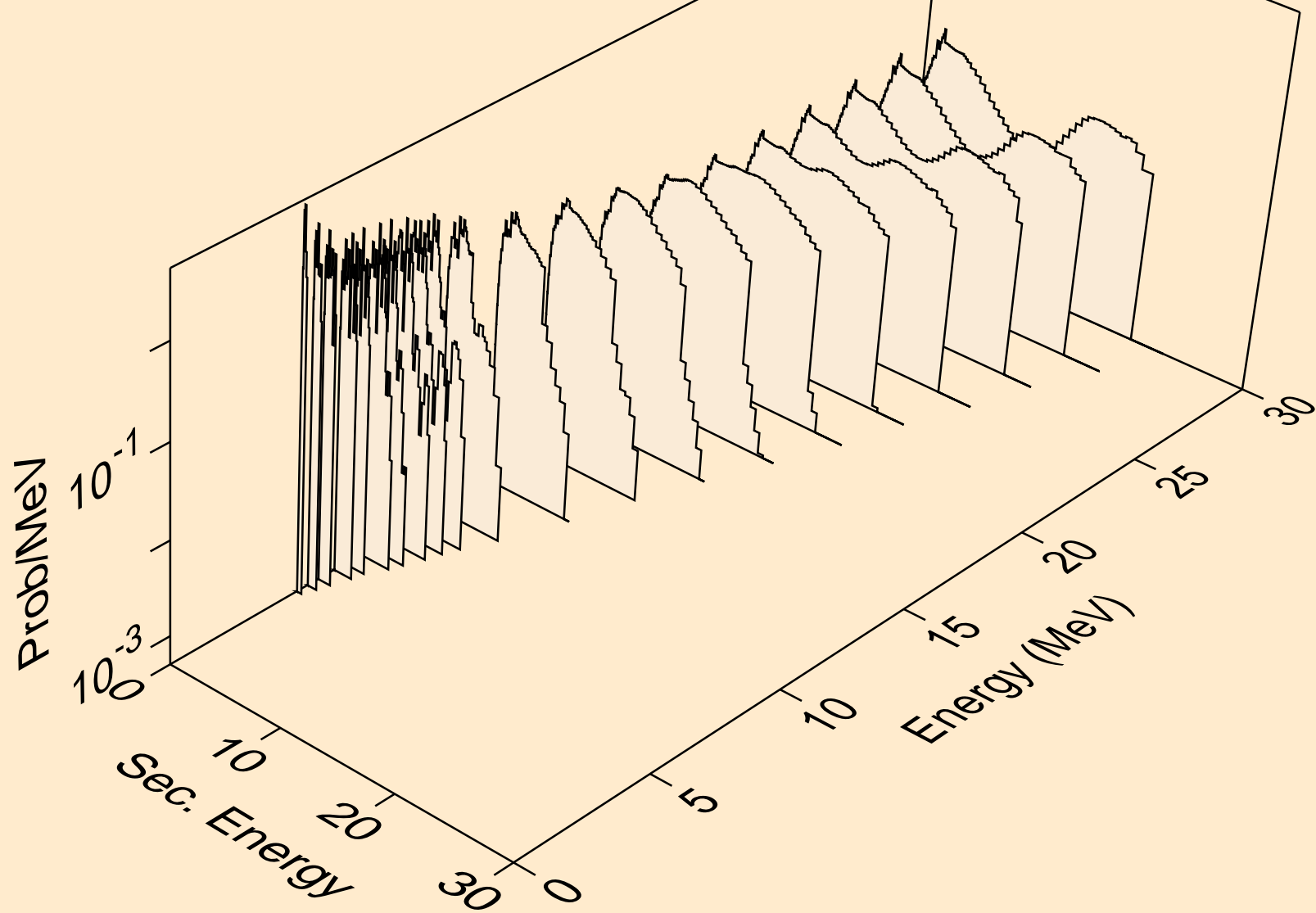
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Neutron emission for (n,x)



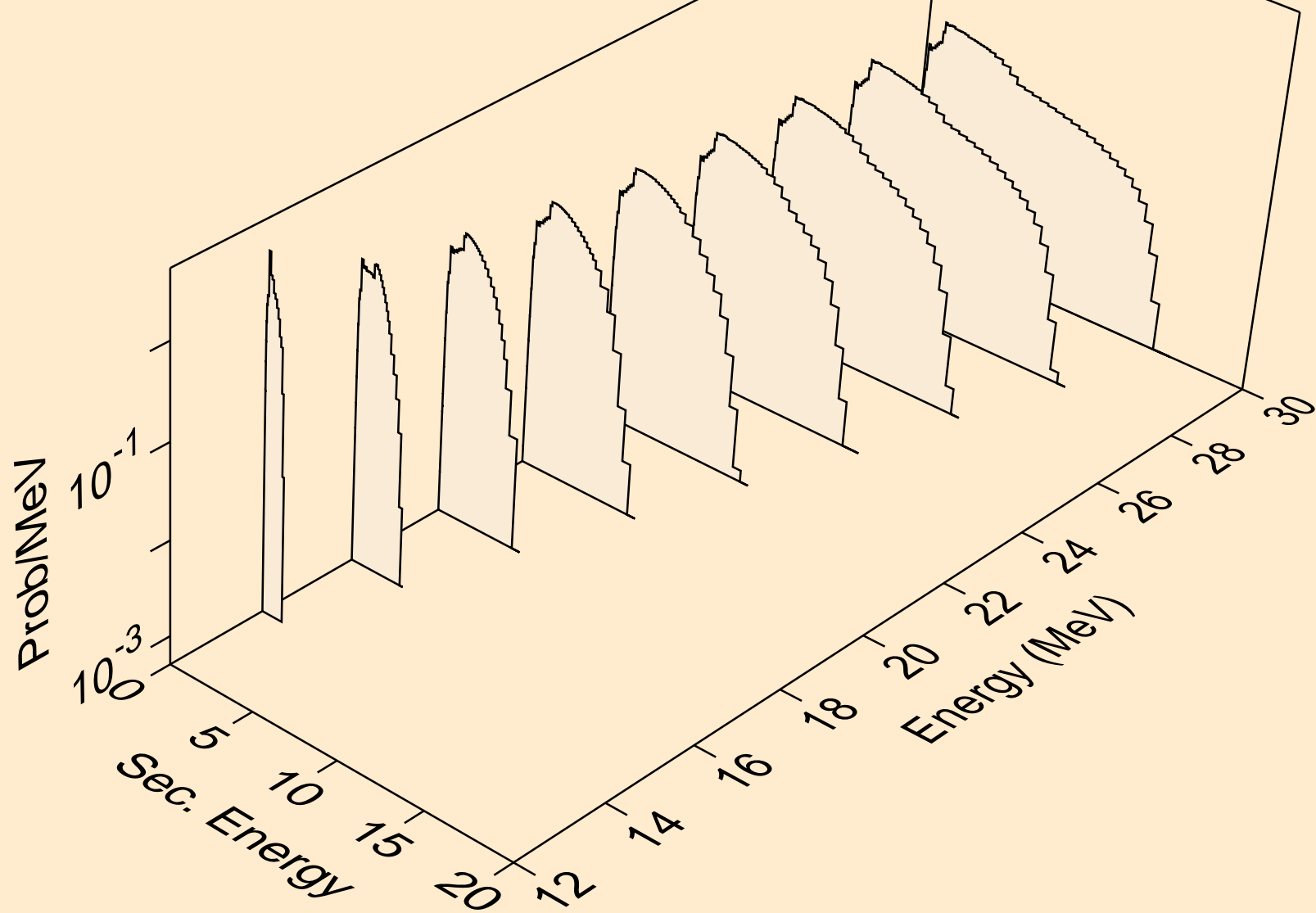
O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



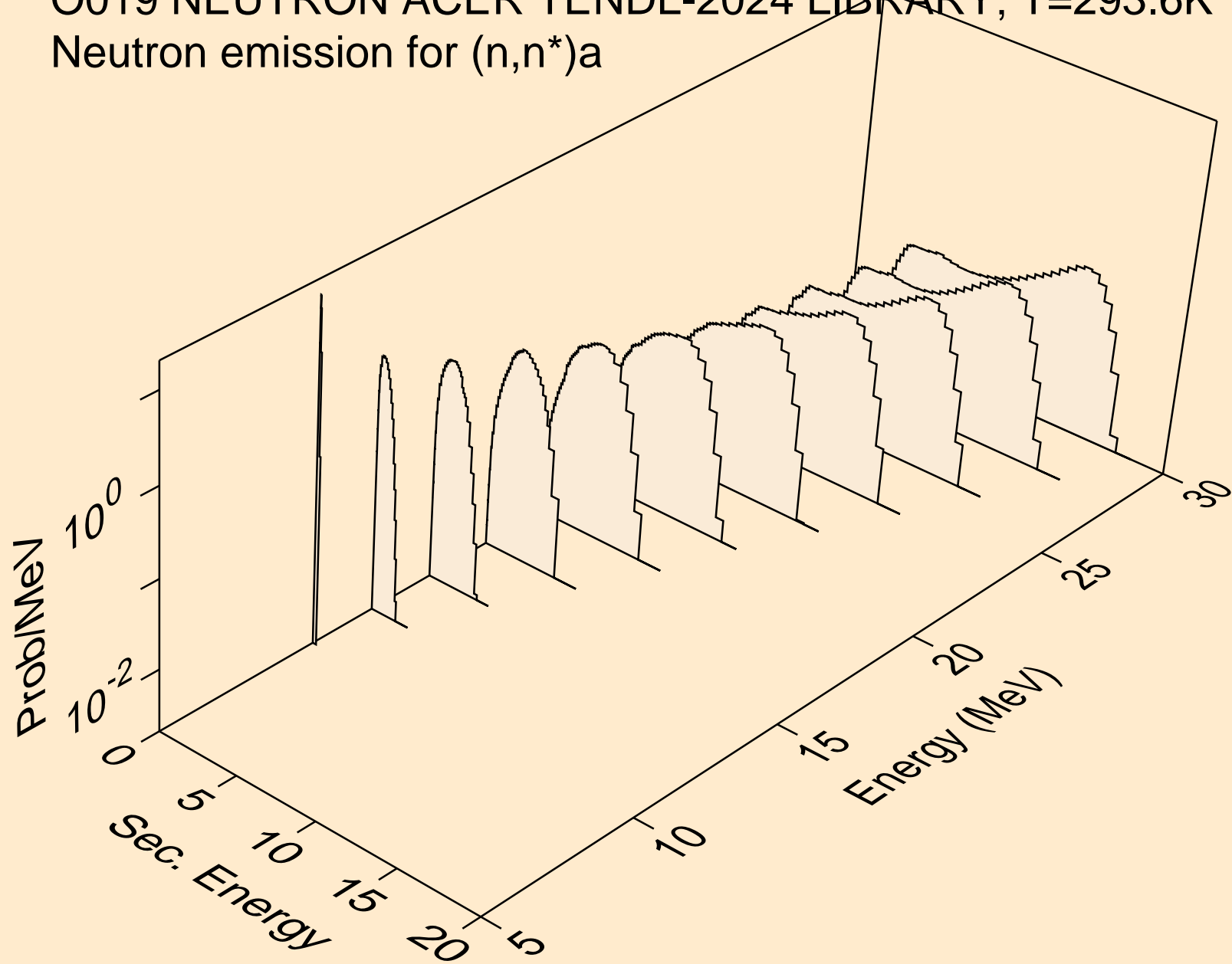
O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3n)

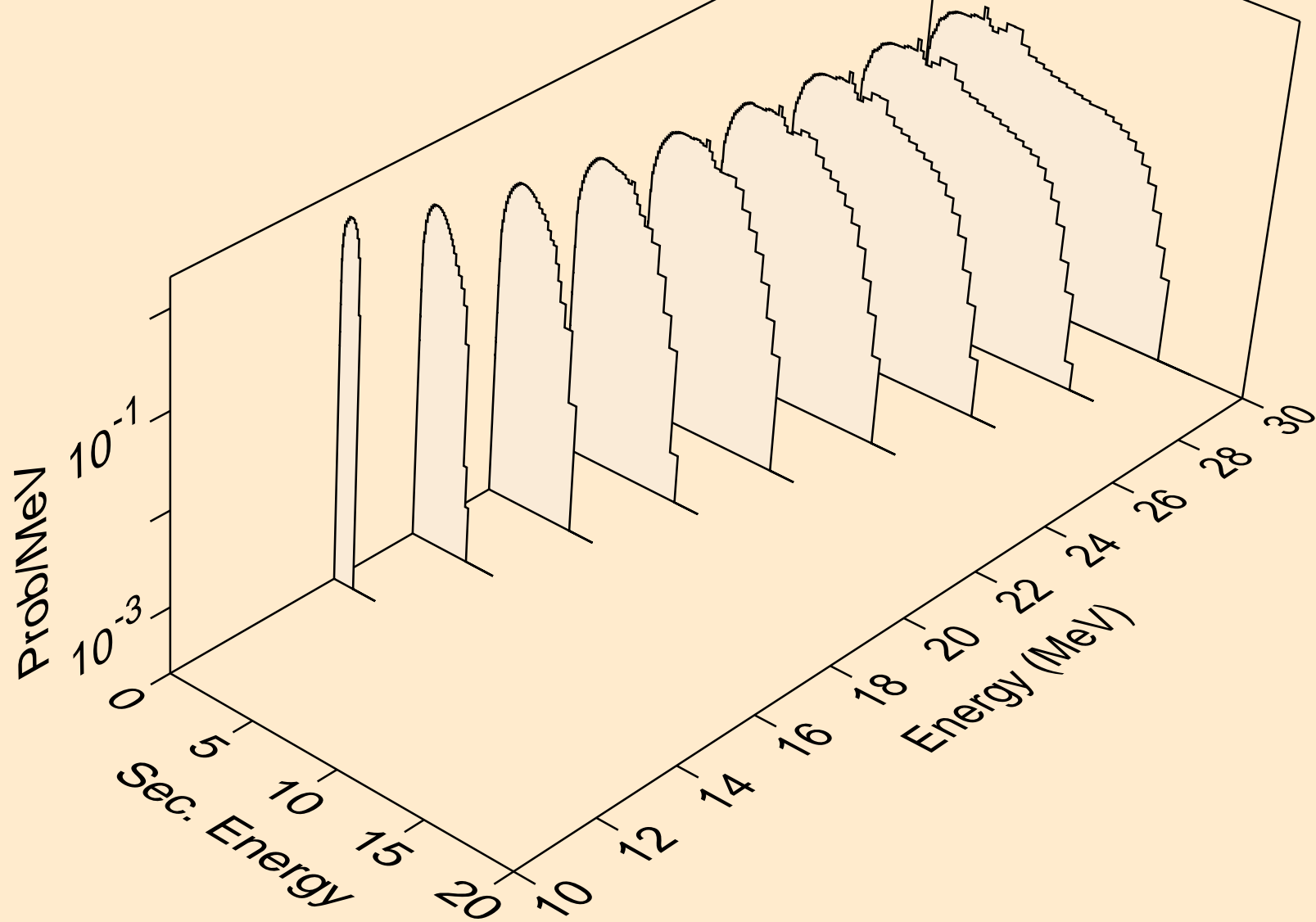


O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a

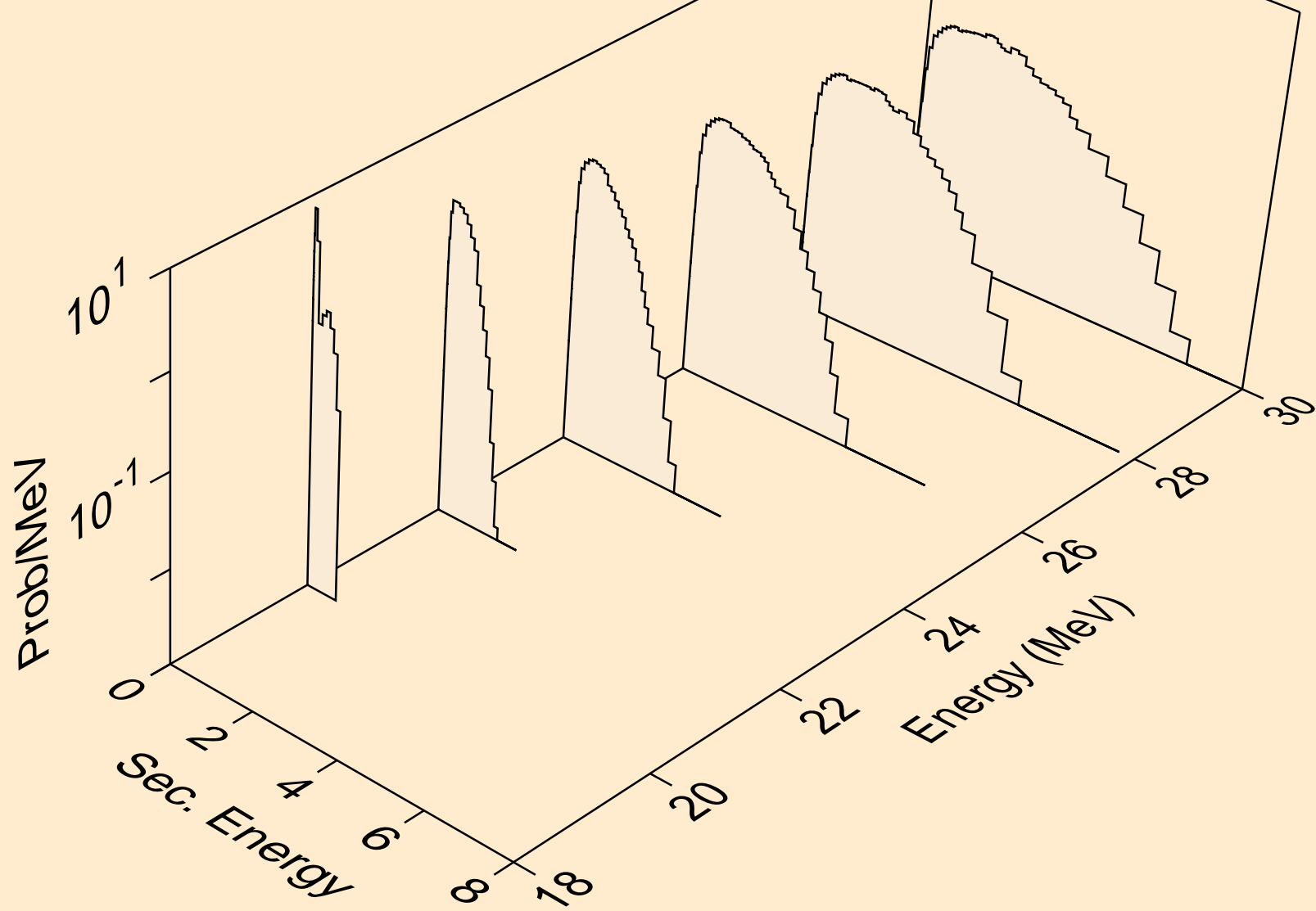




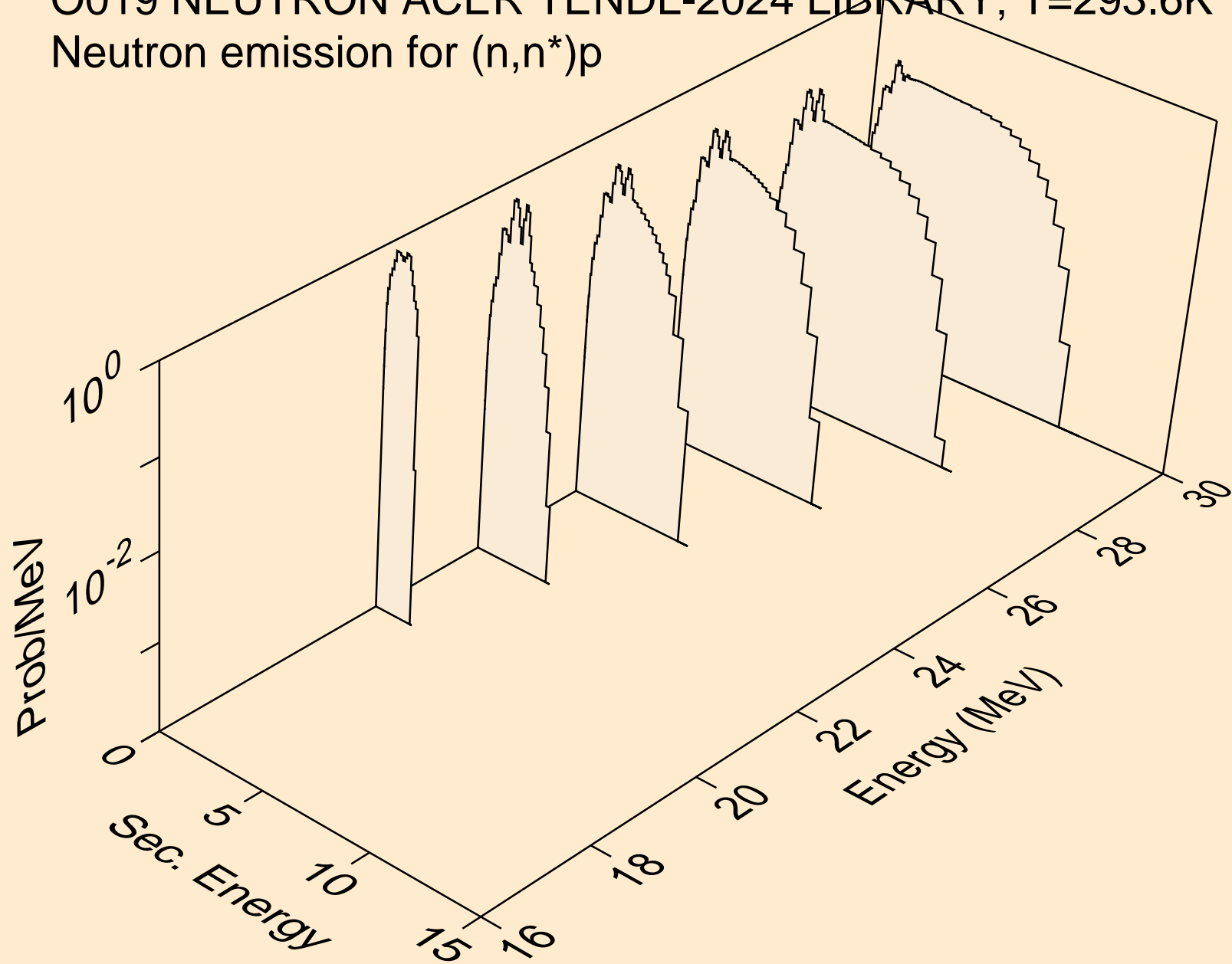
O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2n)a



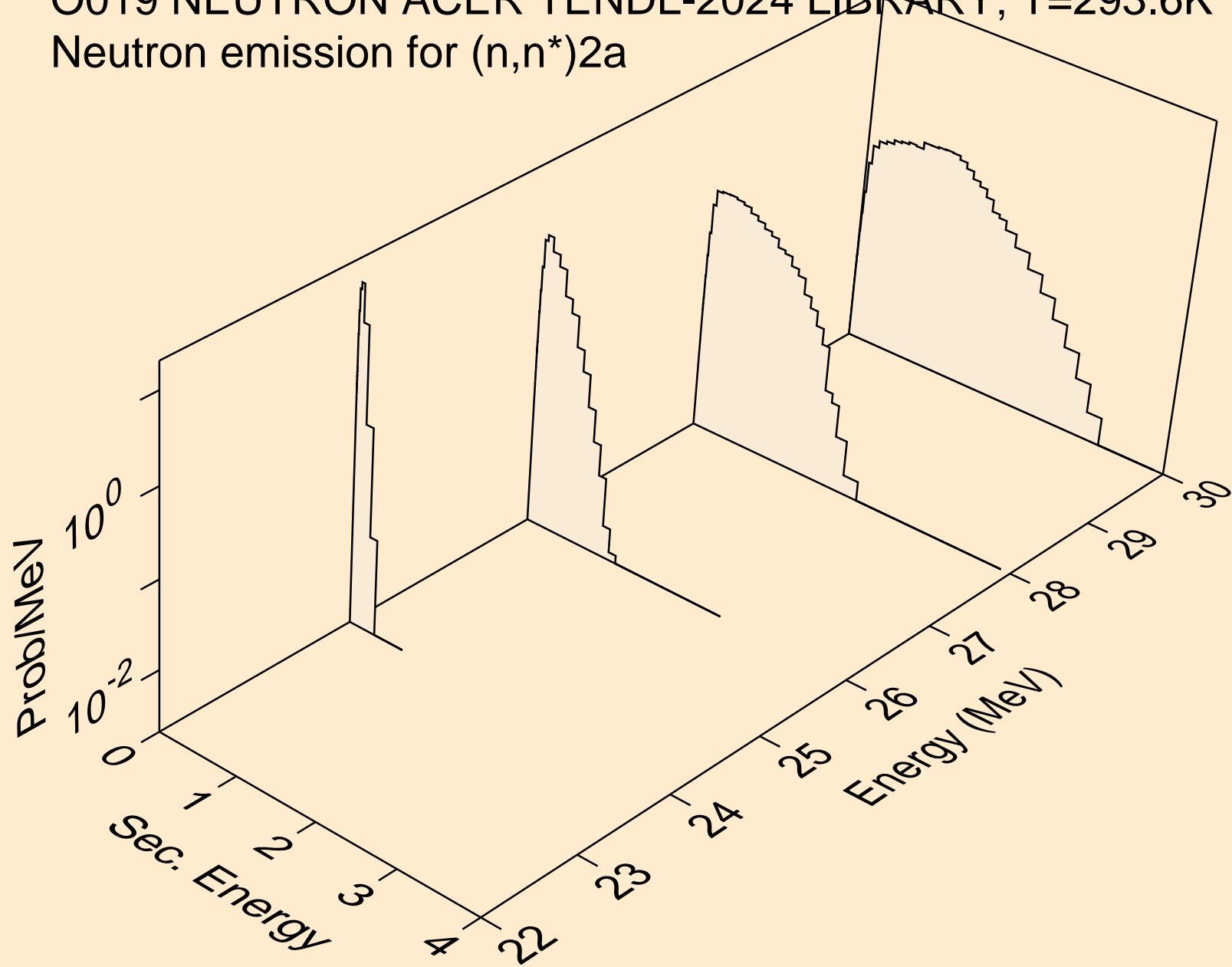
O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a



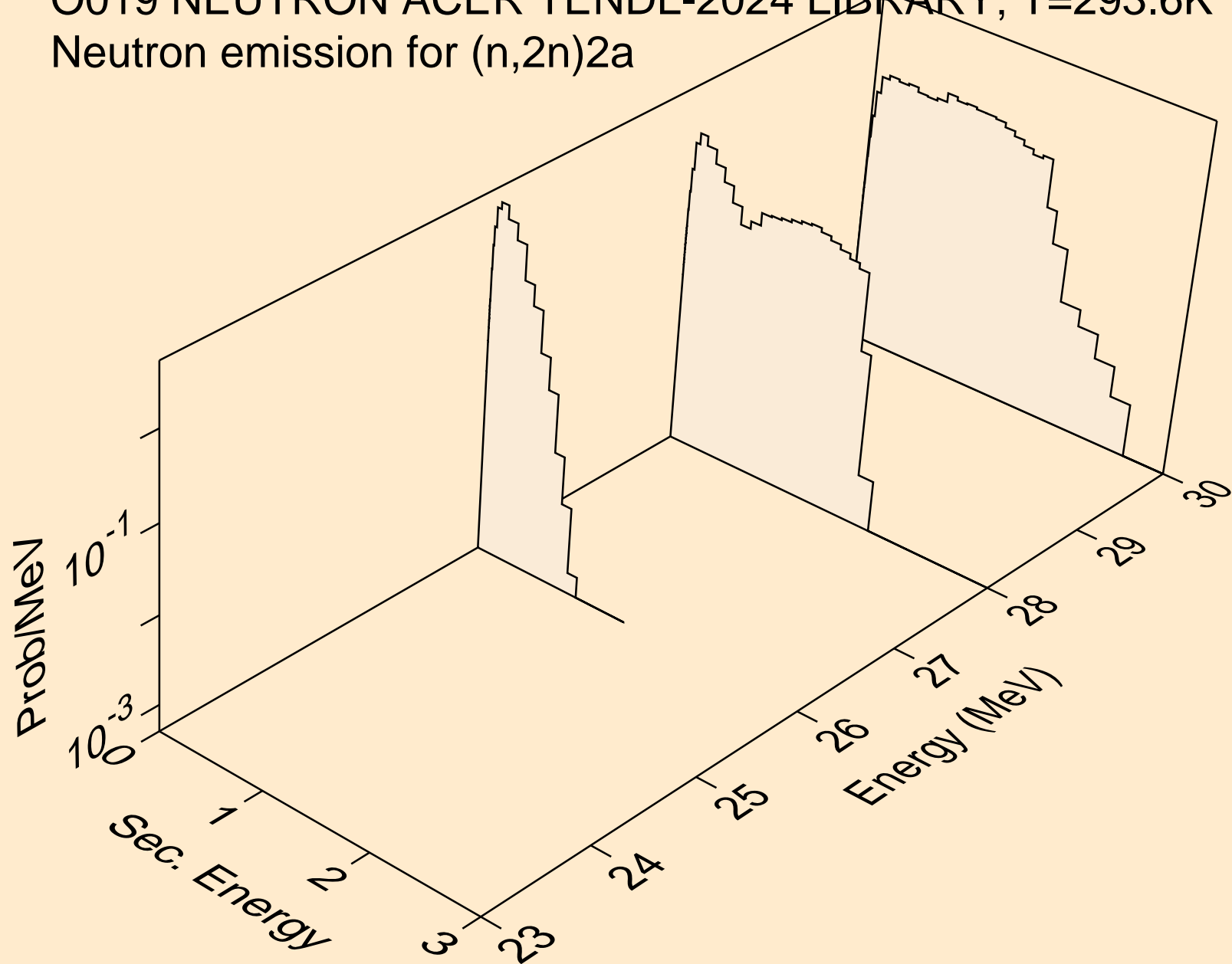
O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



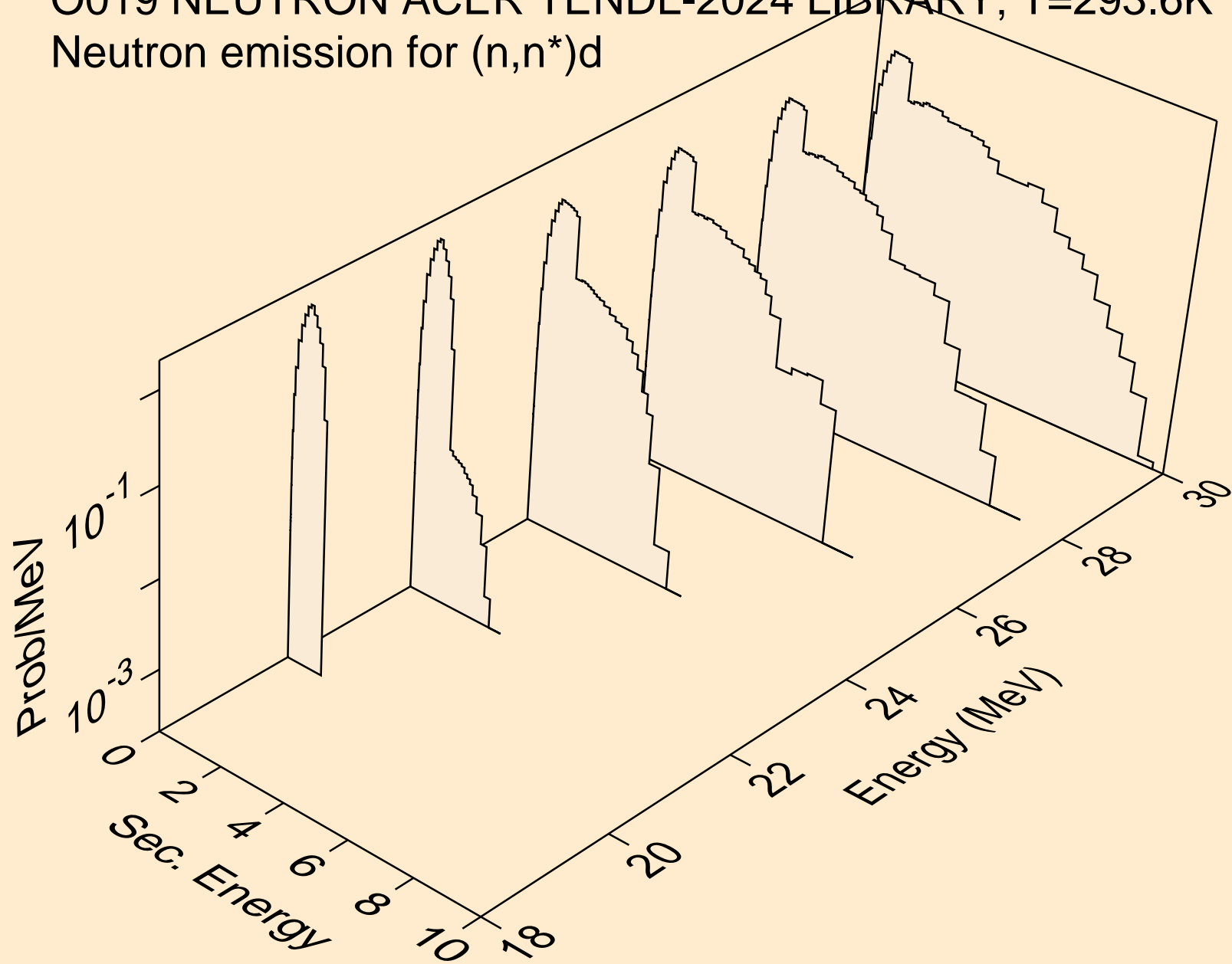
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Neutron emission for (n,n\*)2a



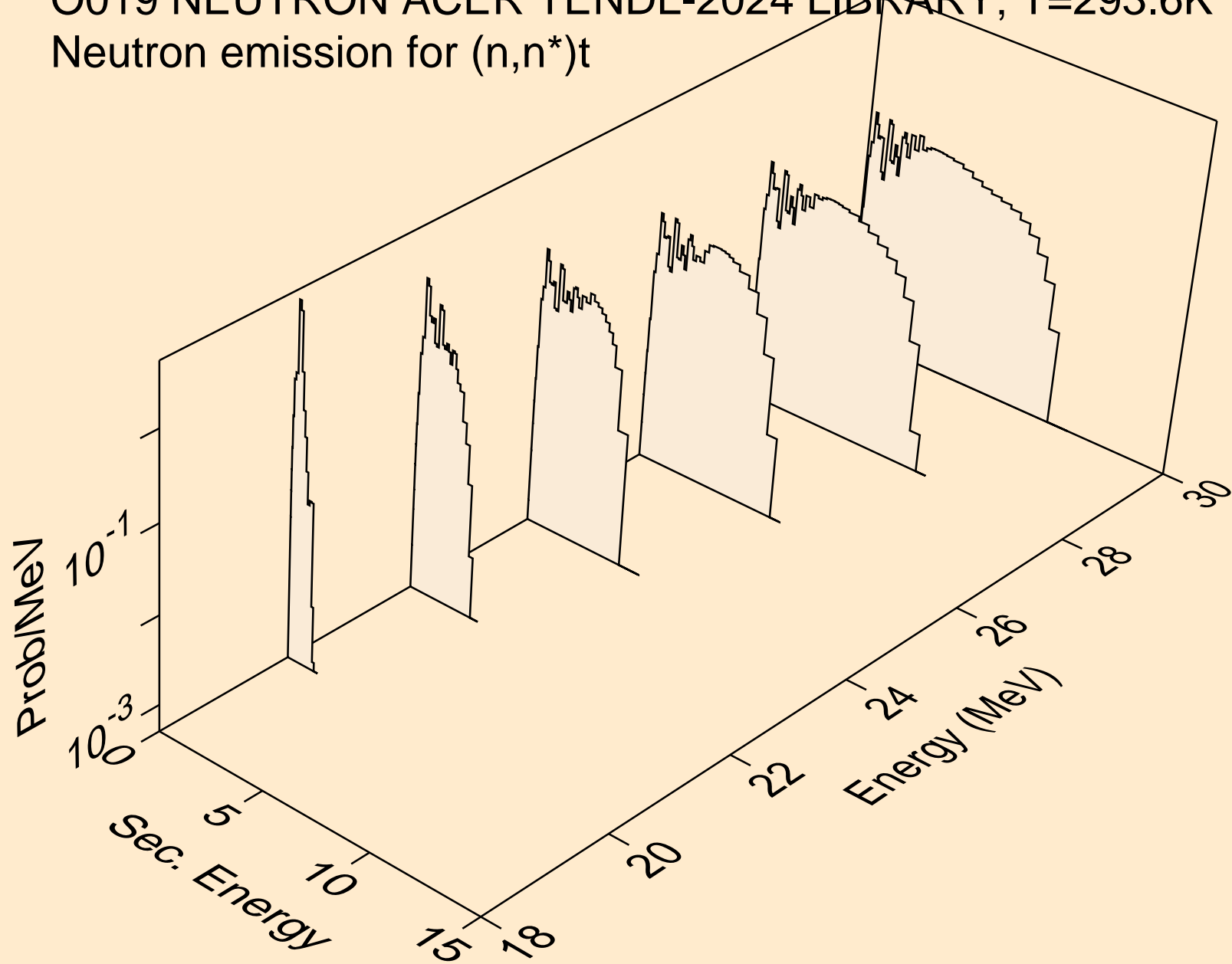
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Neutron emission for (n,2n)2a



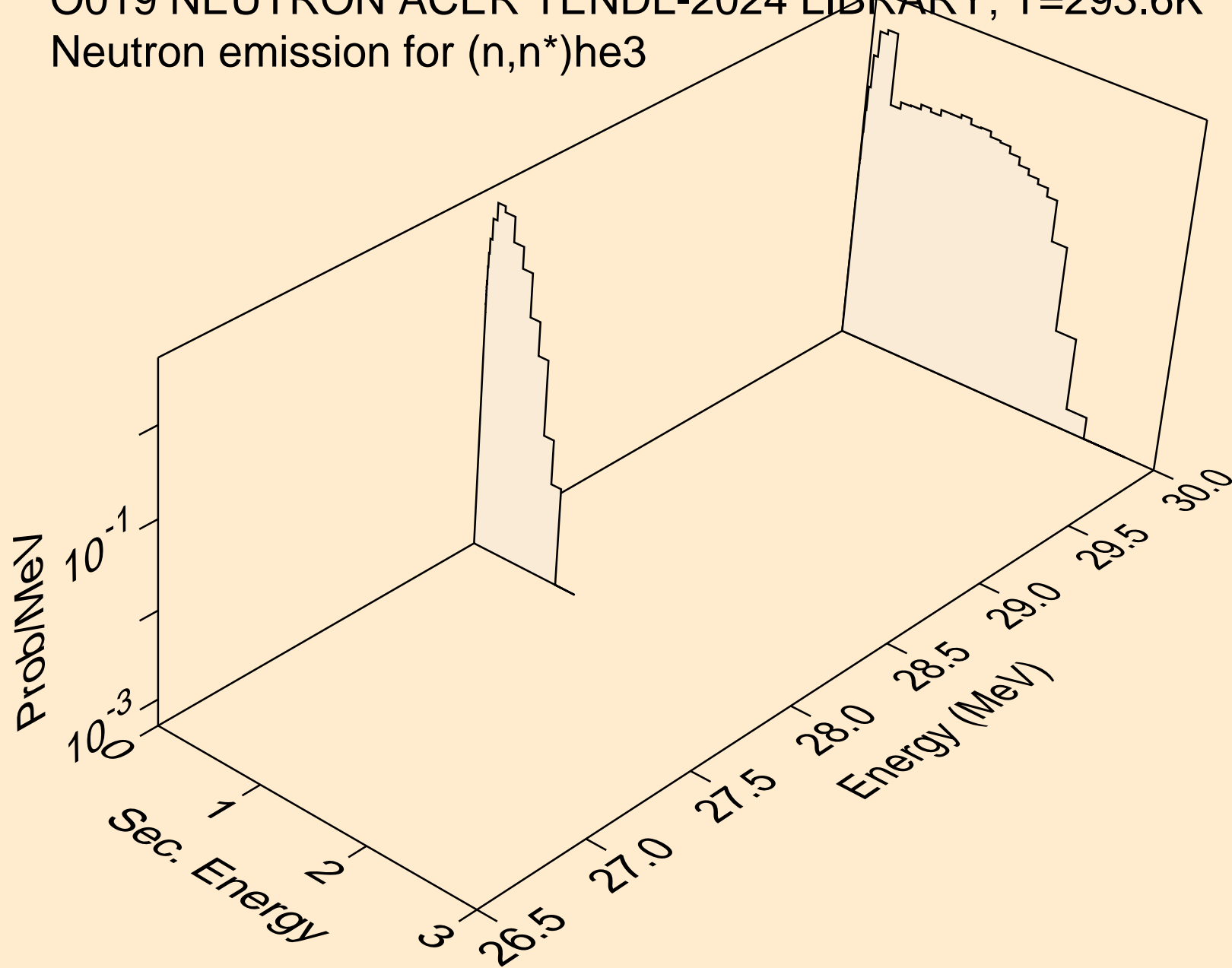
O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t

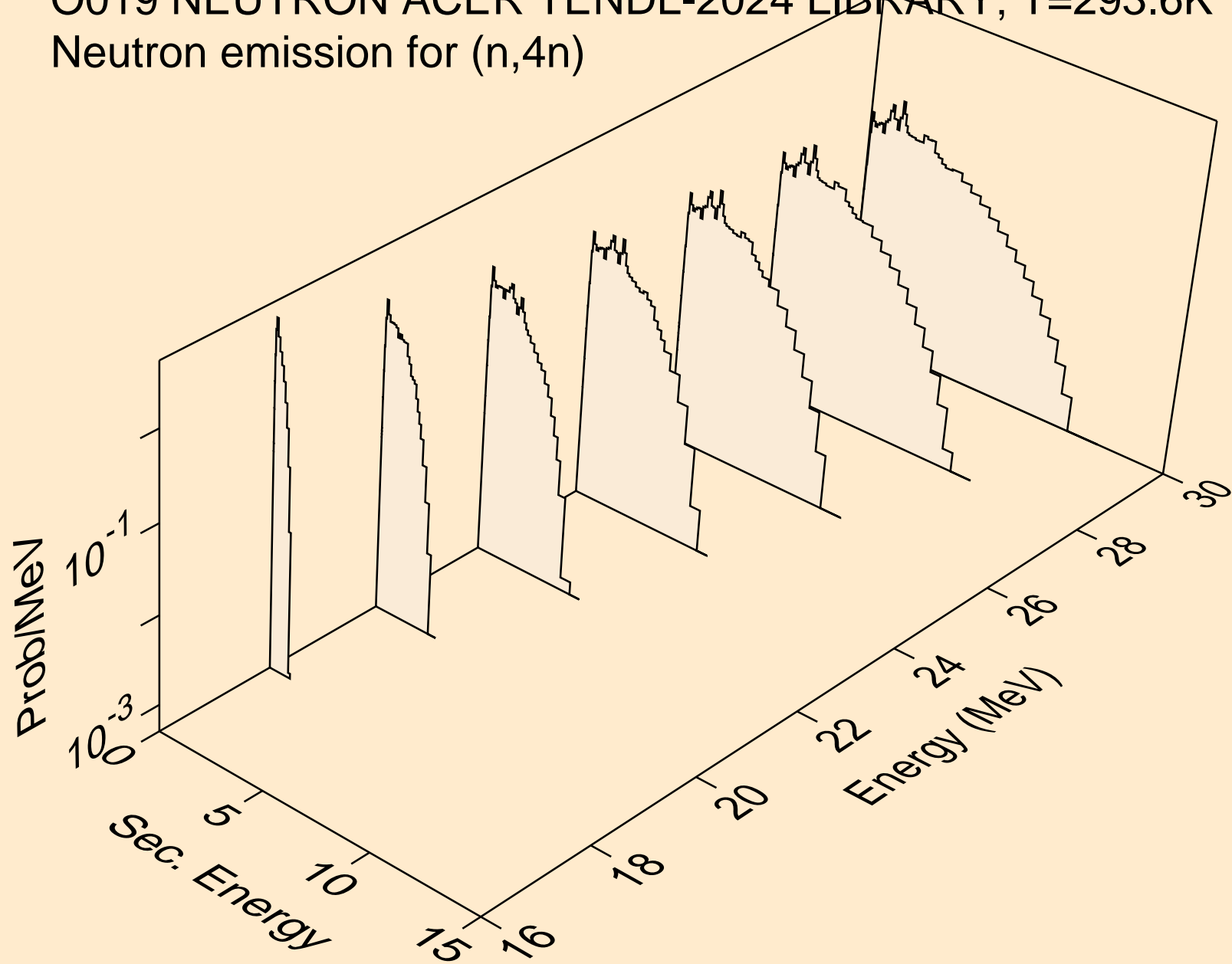


O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3

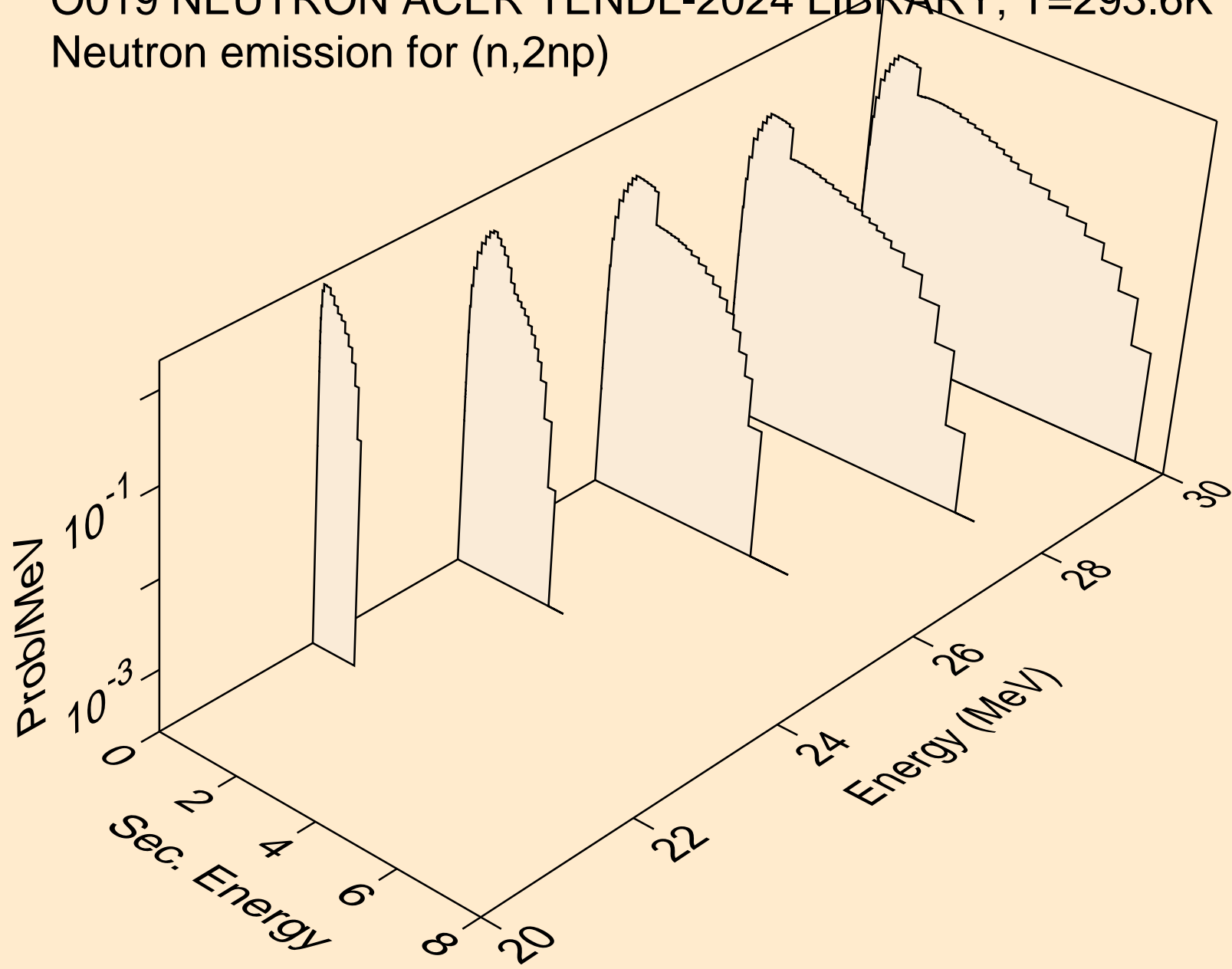




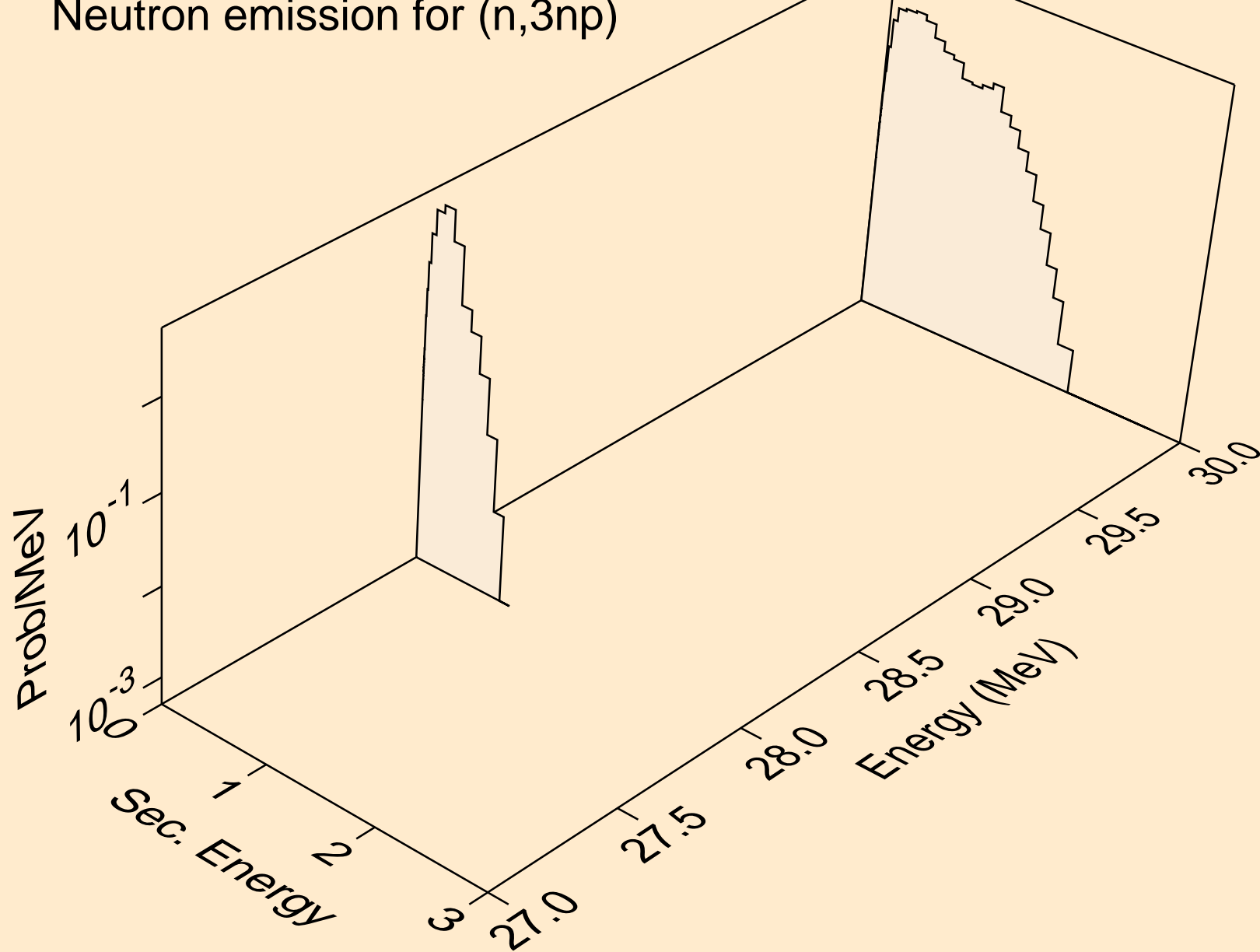
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Neutron emission for (n,4n)



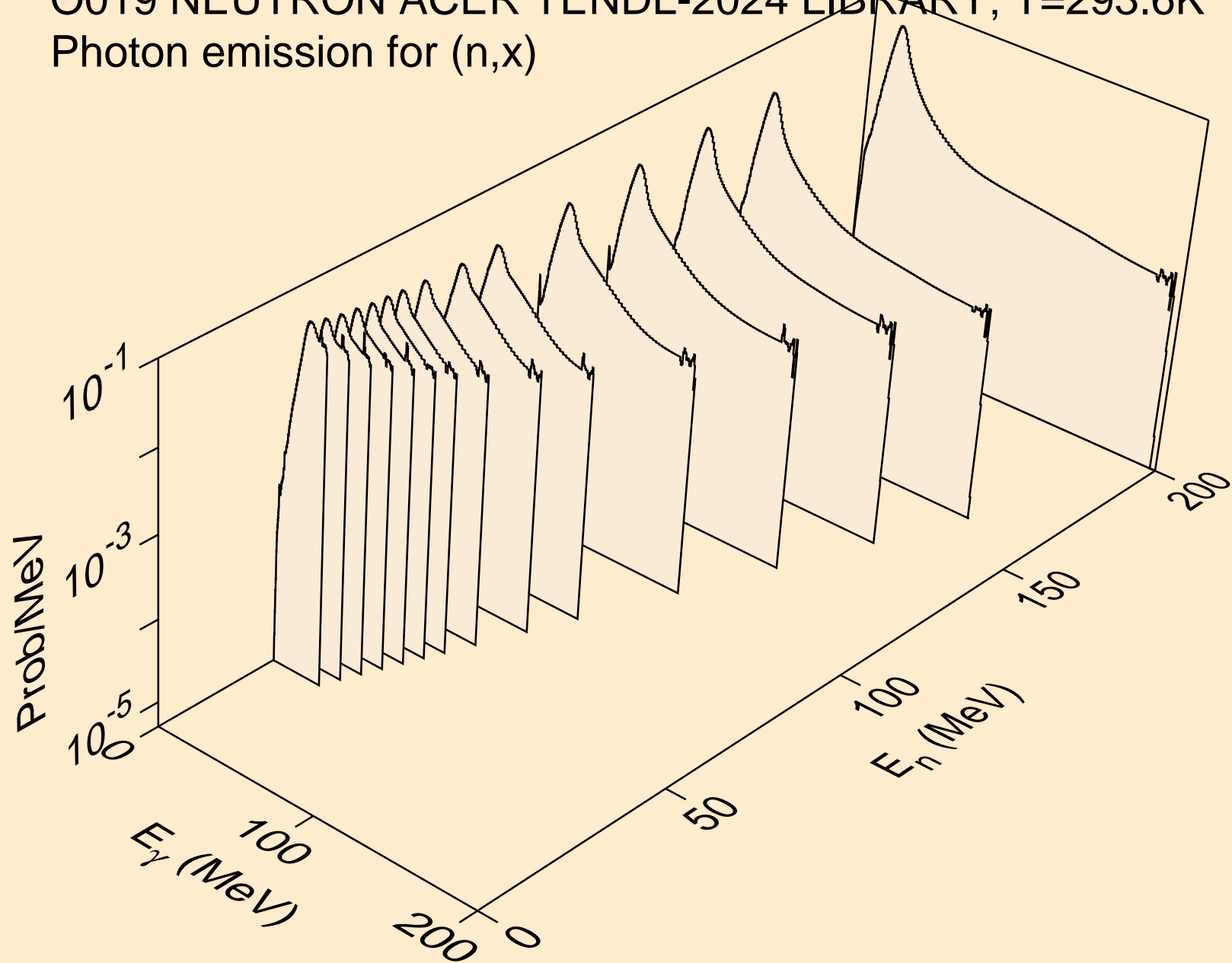
O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



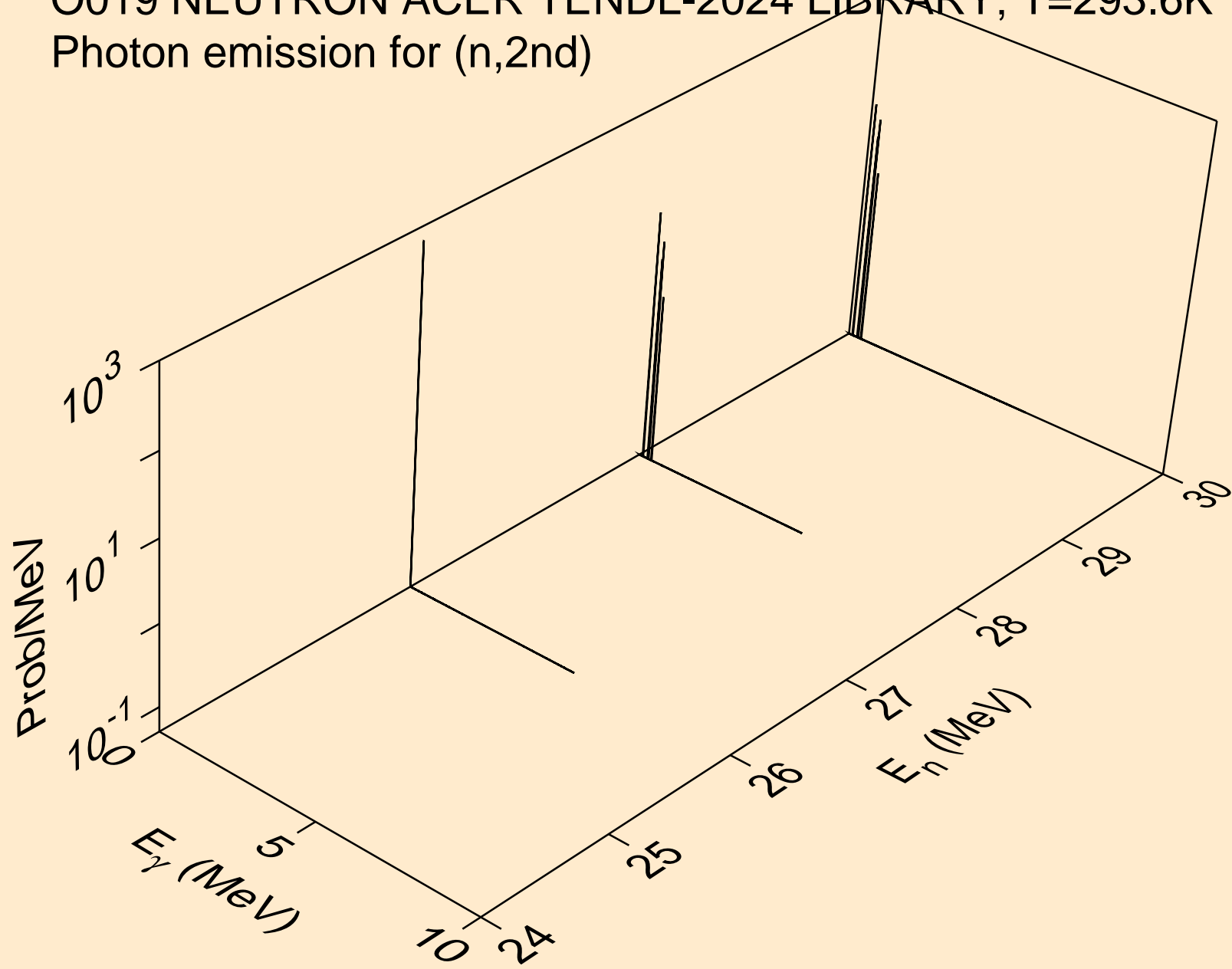
O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3np)



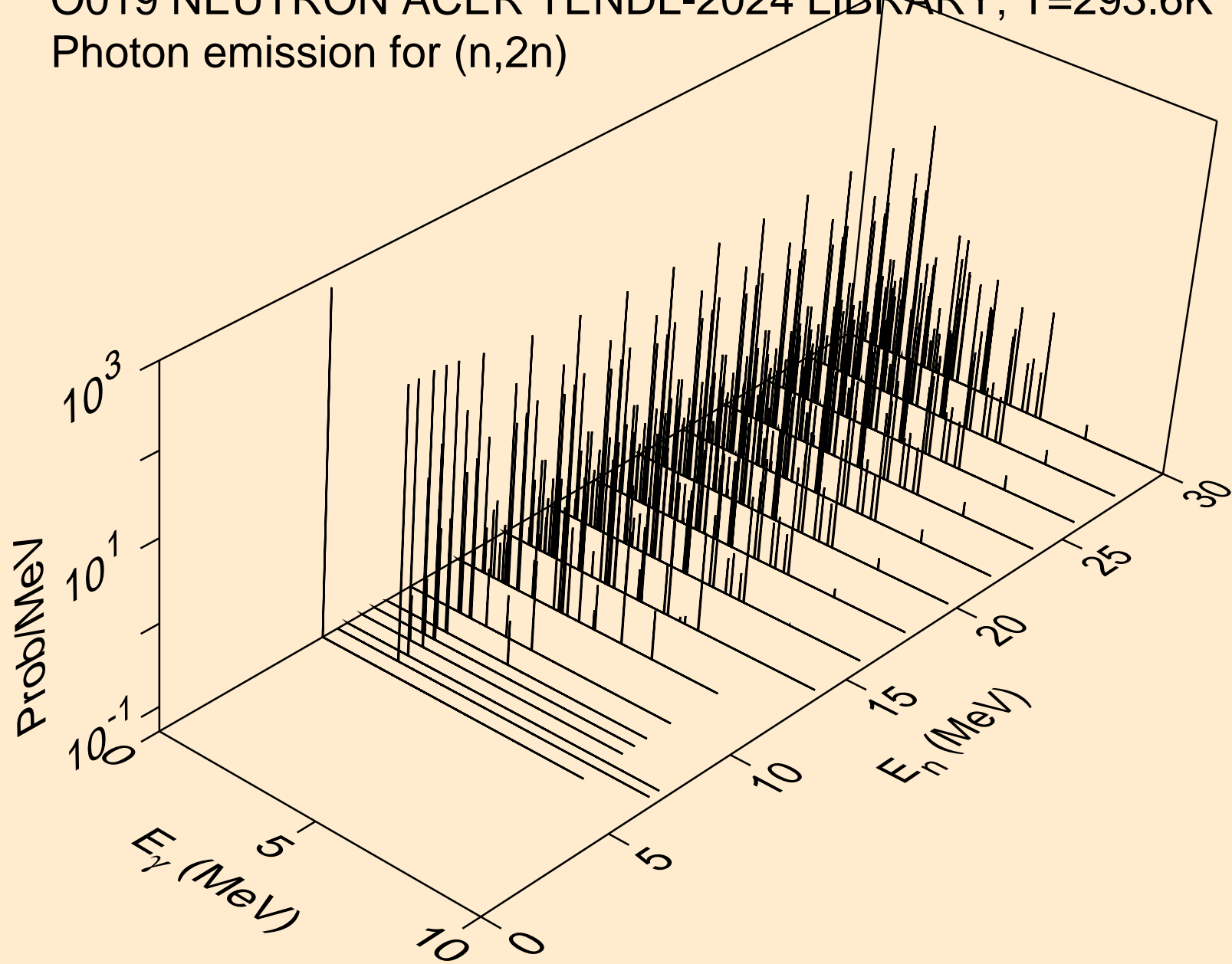
O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,x)



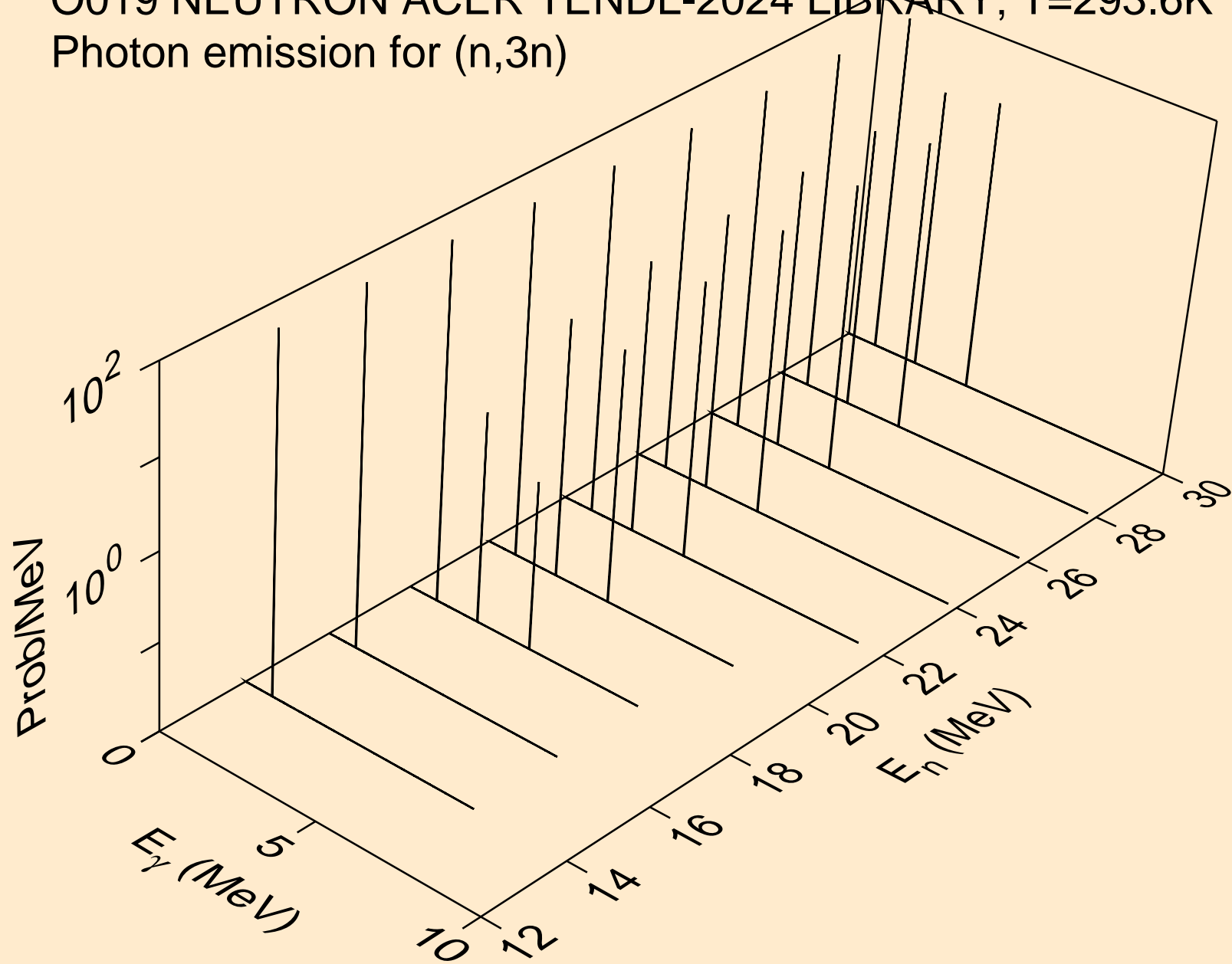
O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2nd)



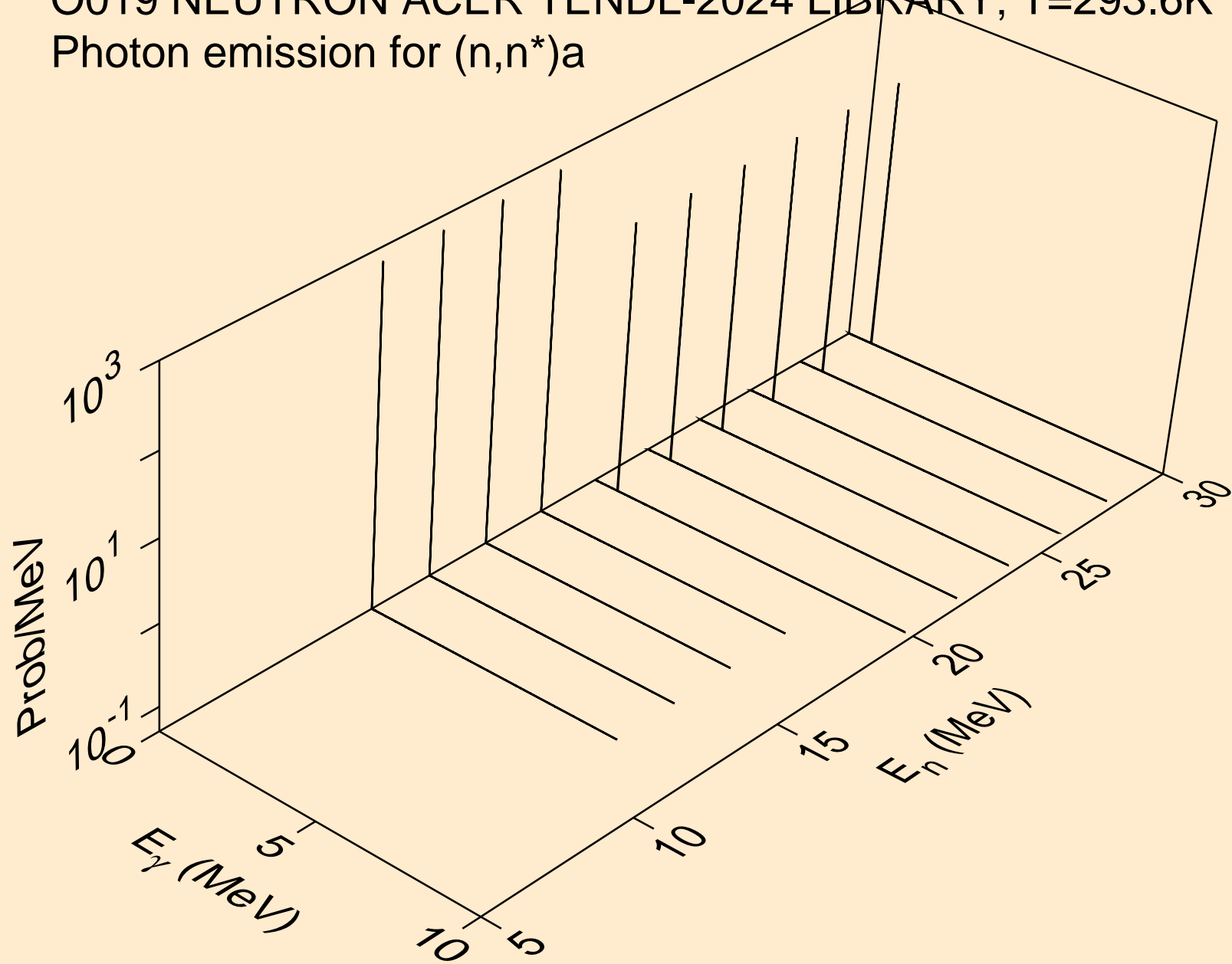
O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2n)



O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3n)

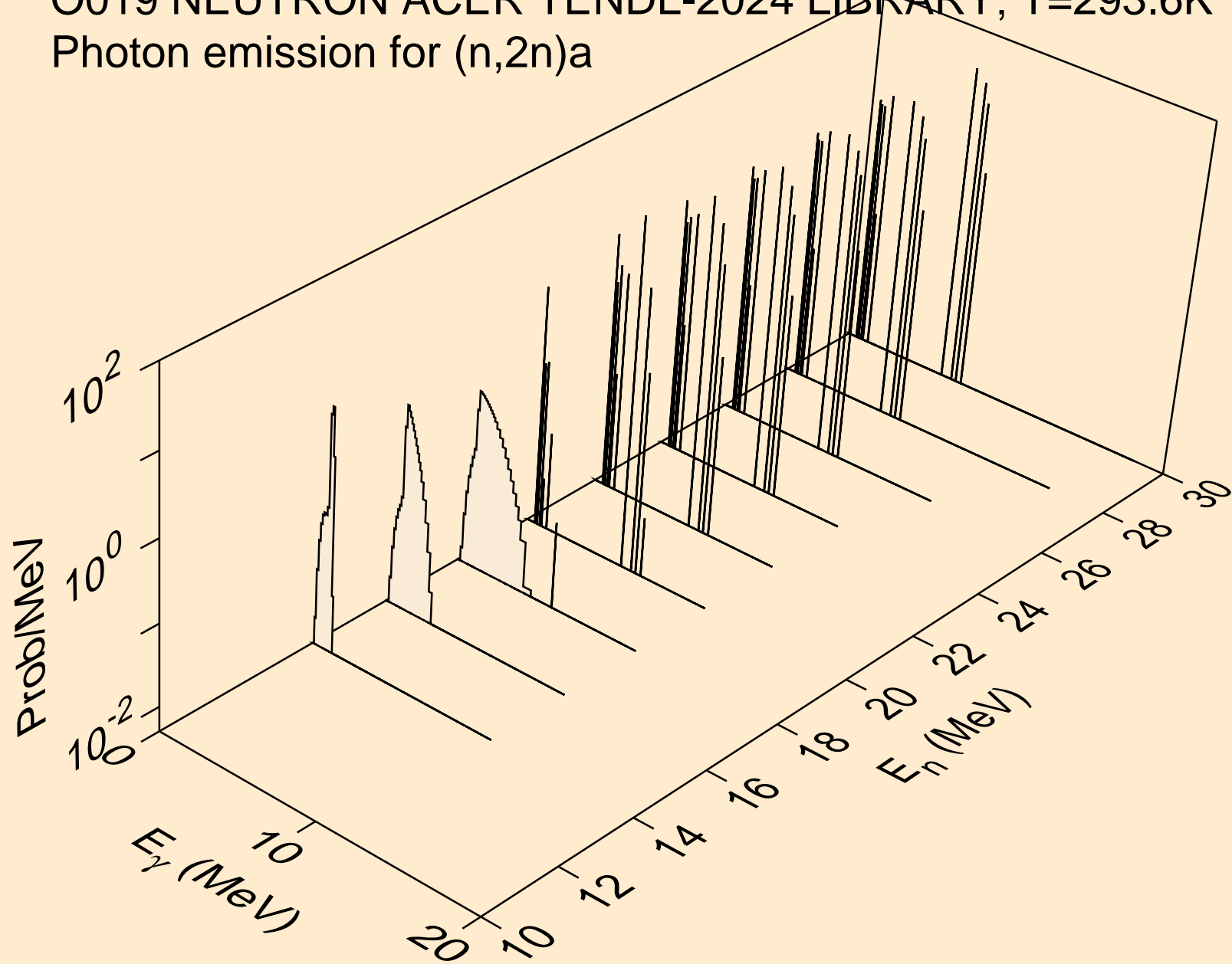


O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a

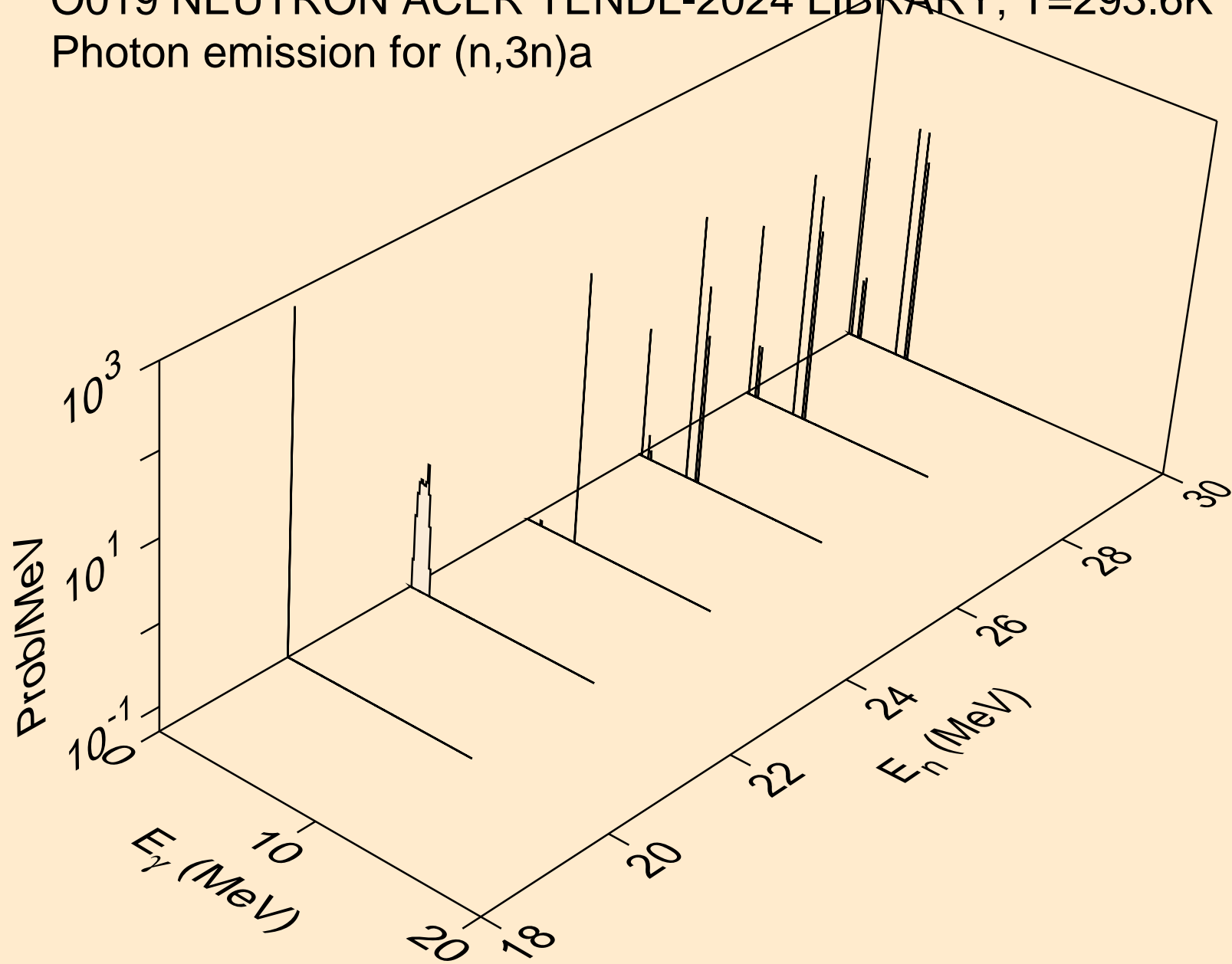




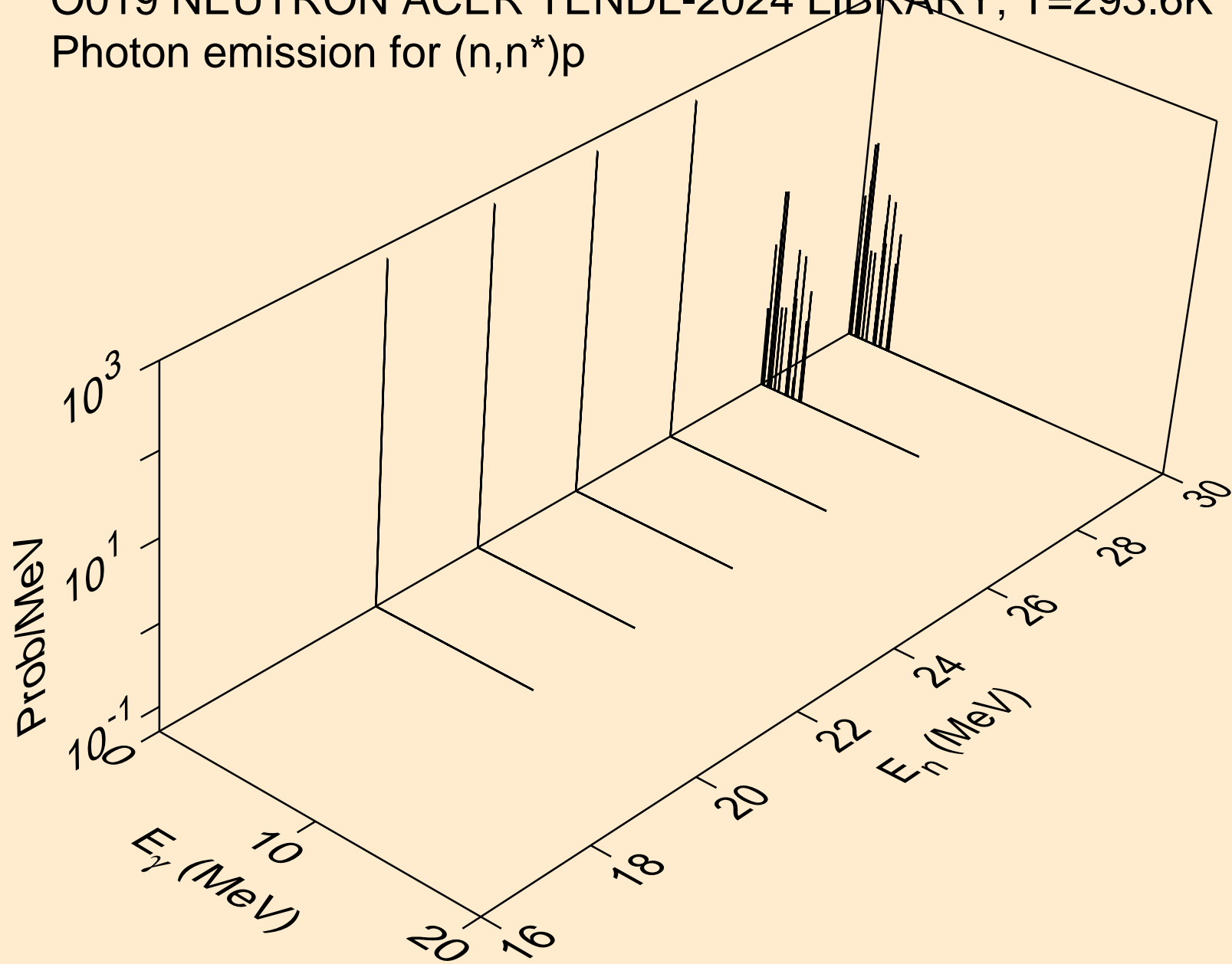
O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2n)a



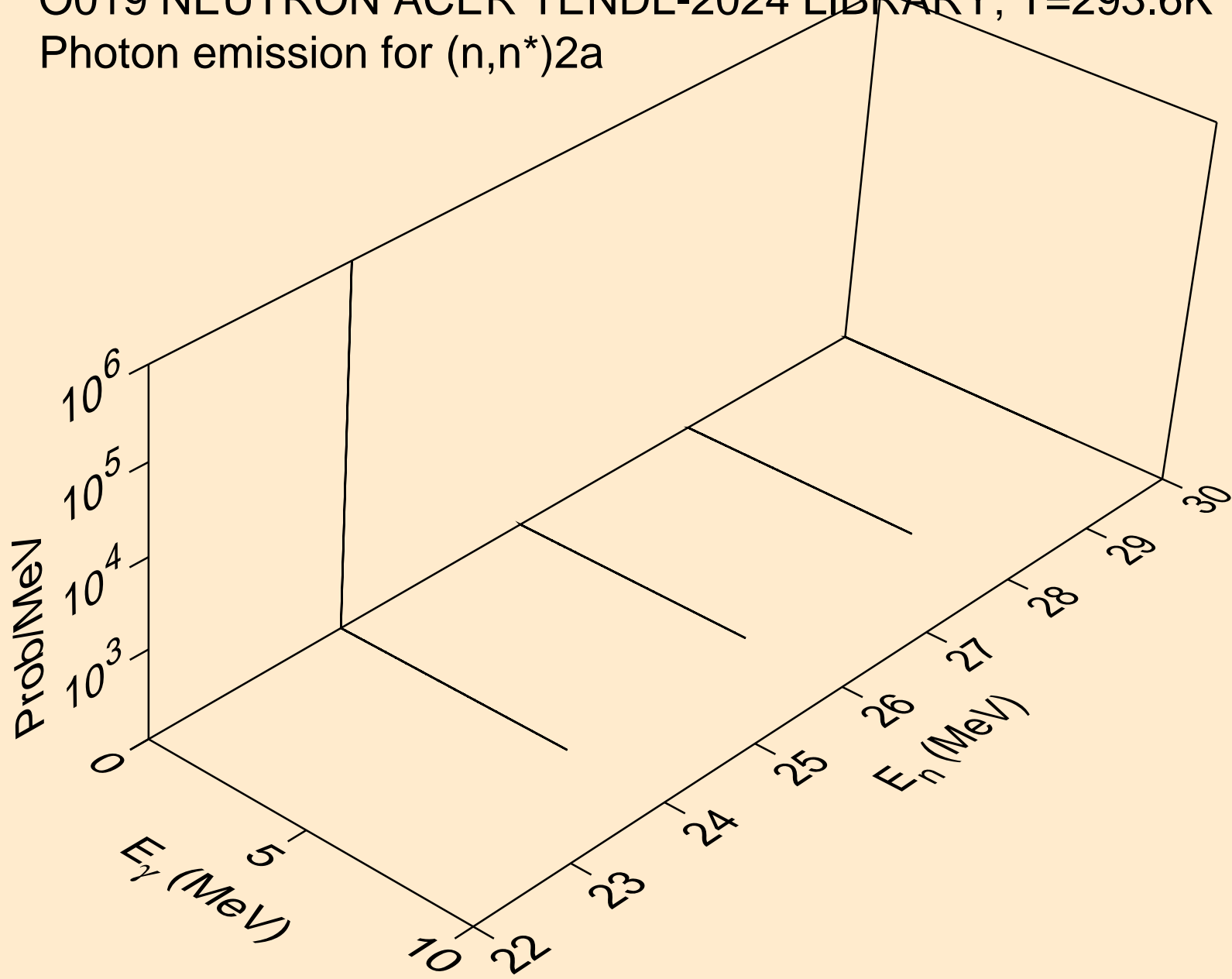
O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3n)a



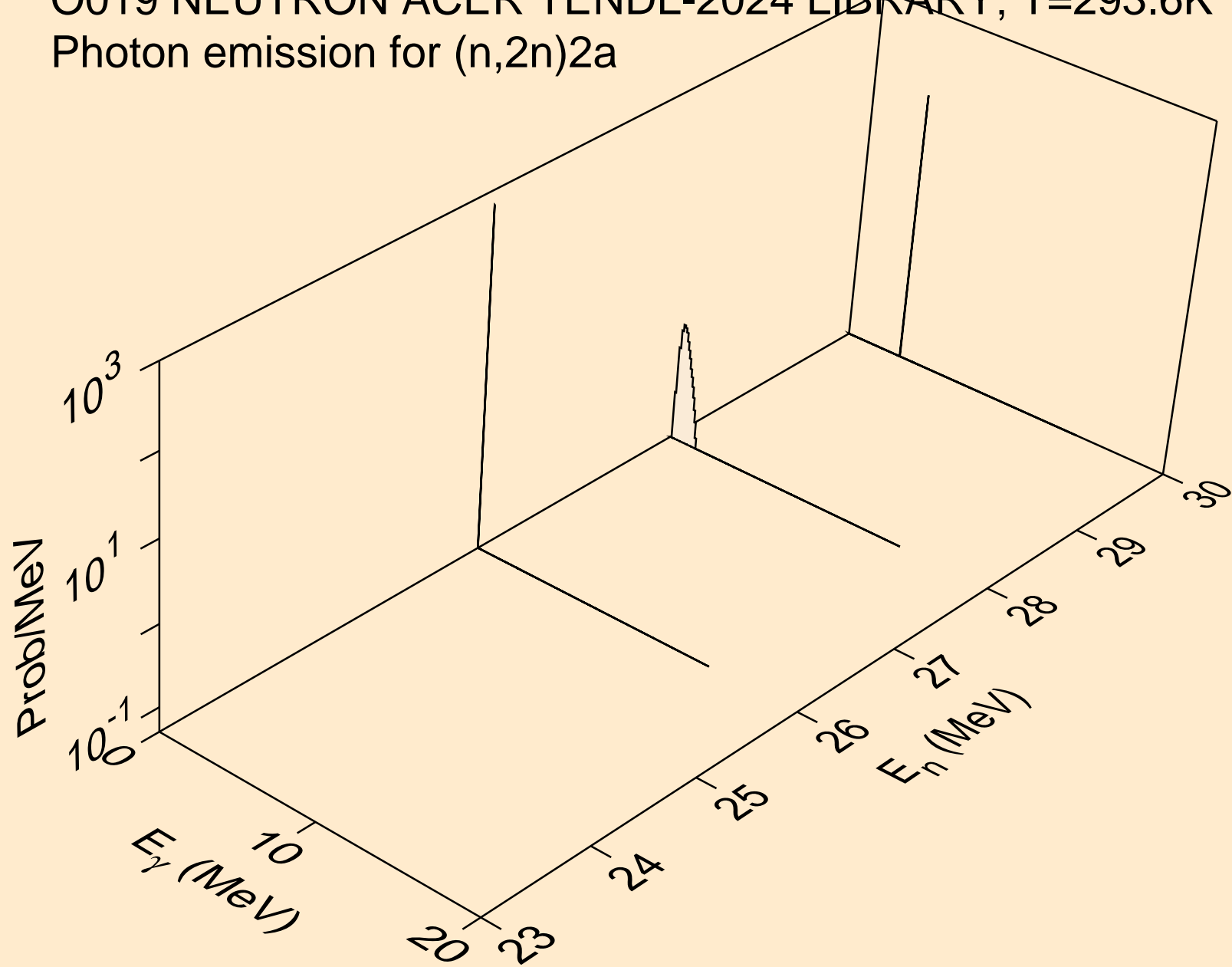
O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



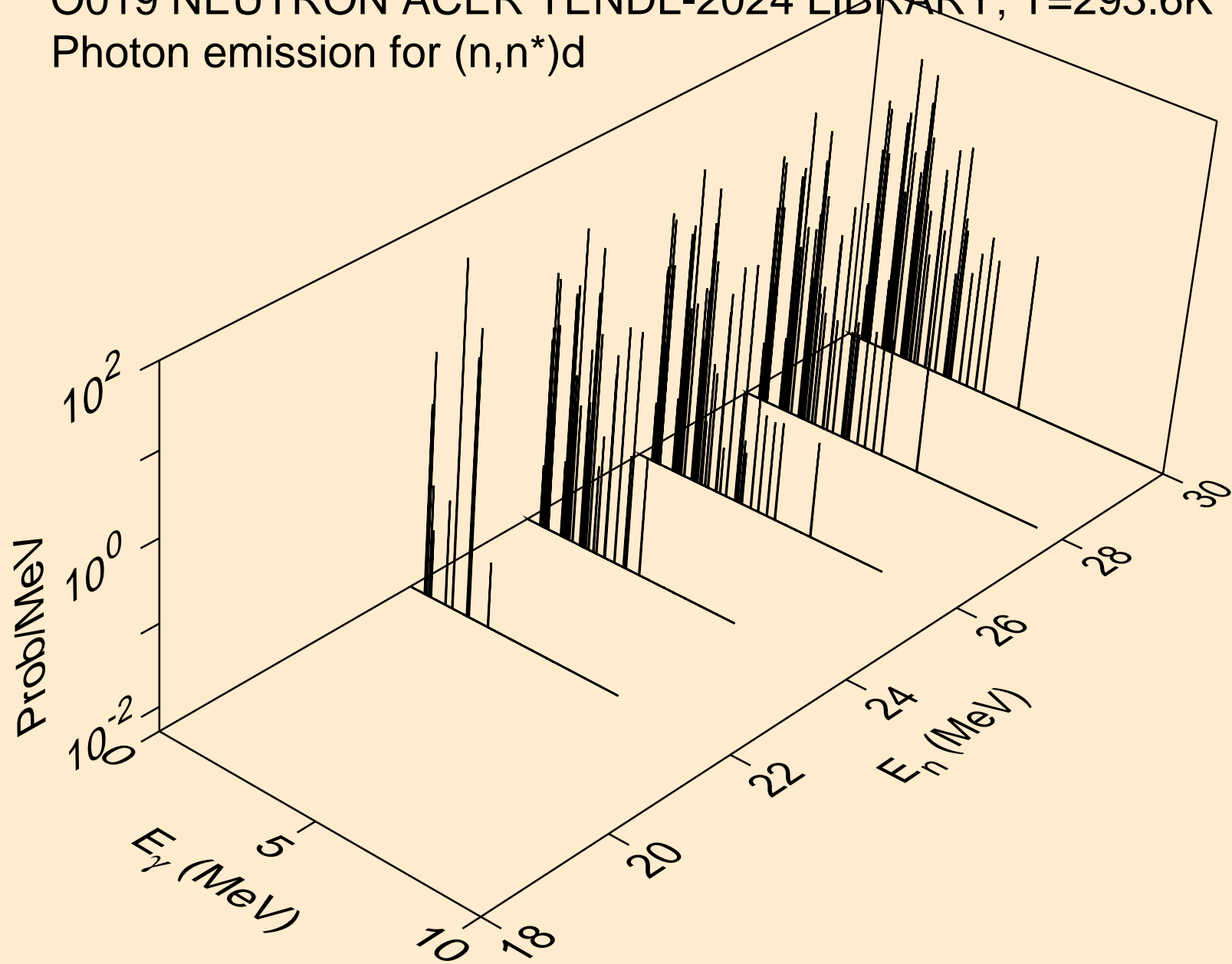
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Photon emission for (n,n\*)2a



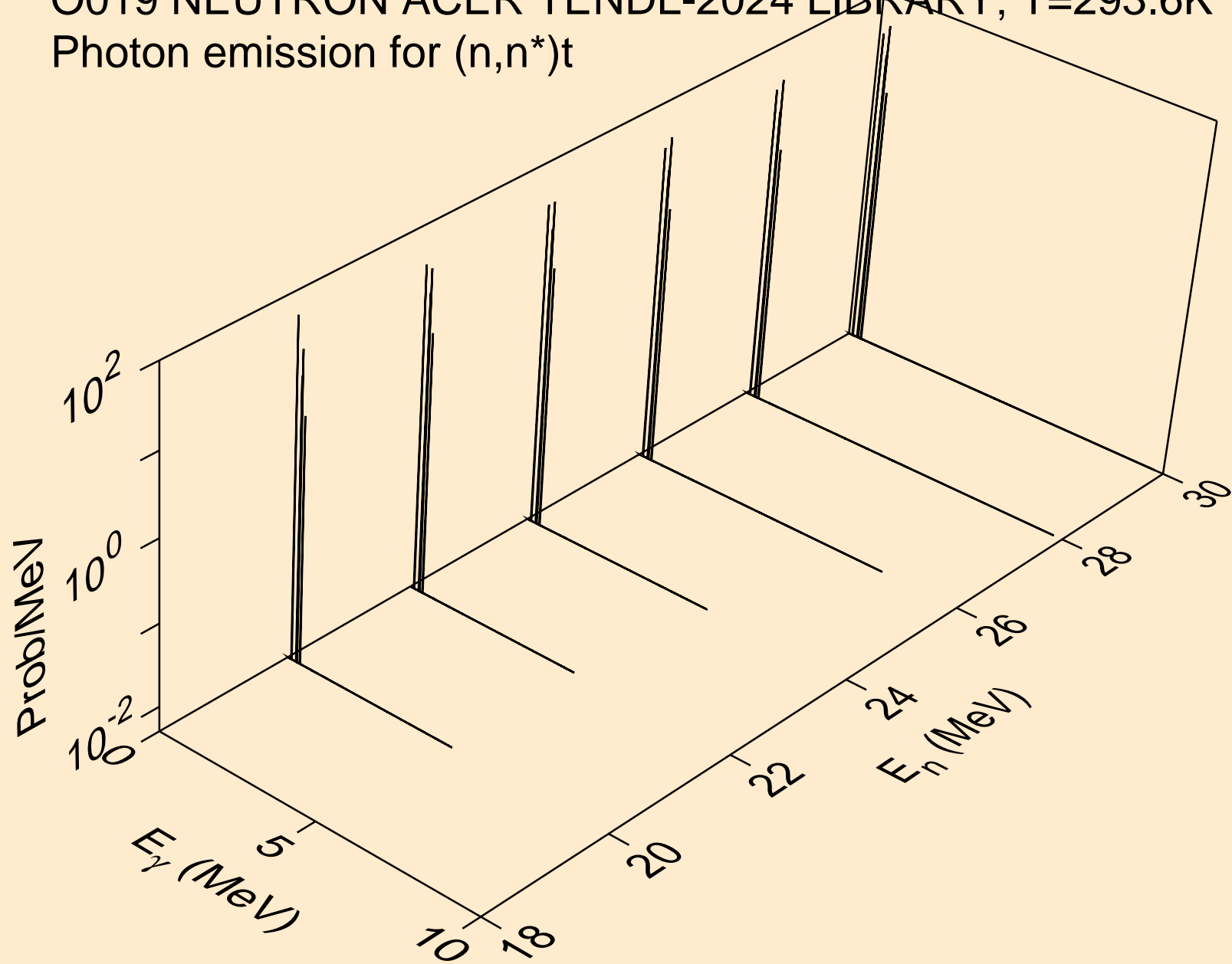
O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2n)2a



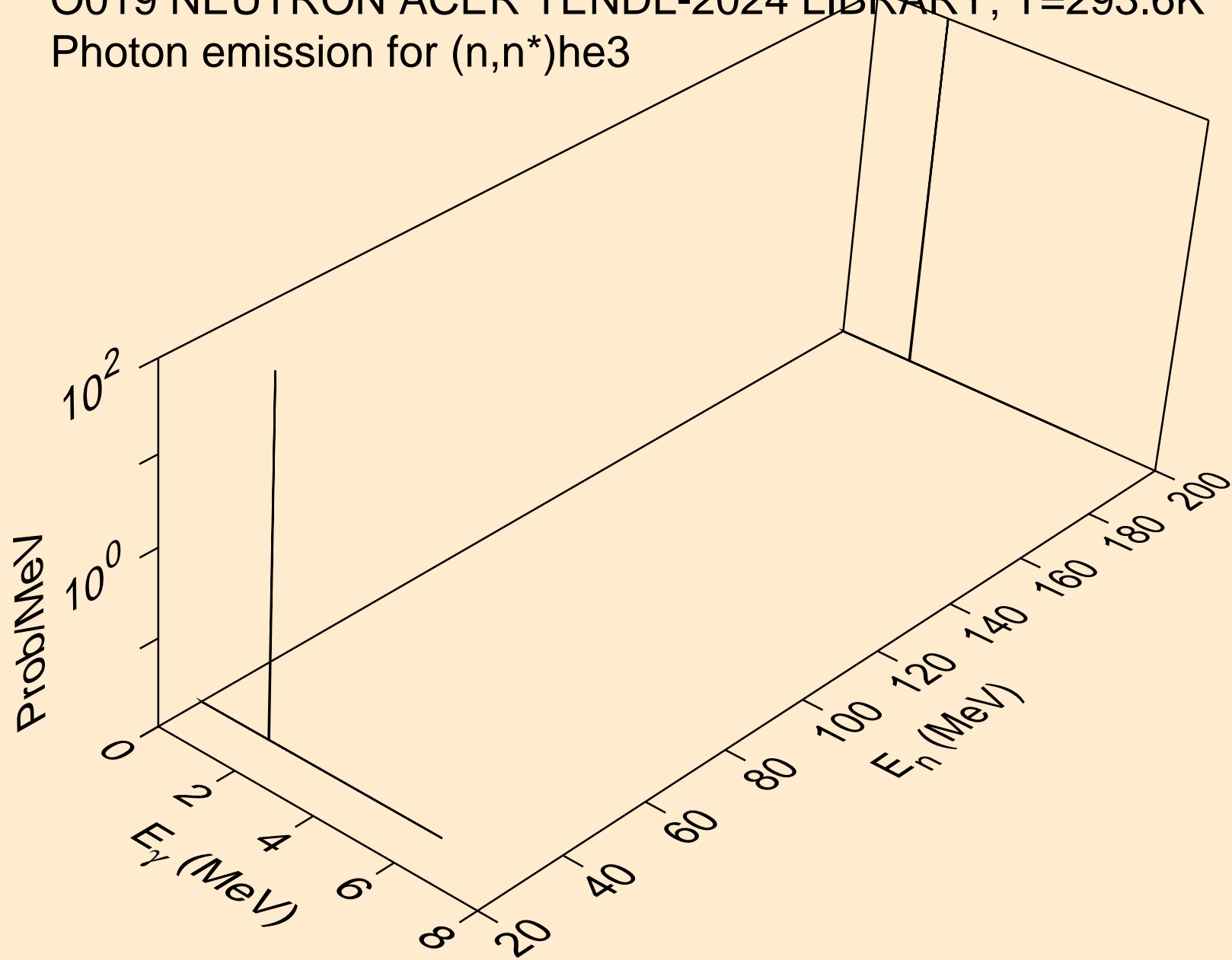
O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d



O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t

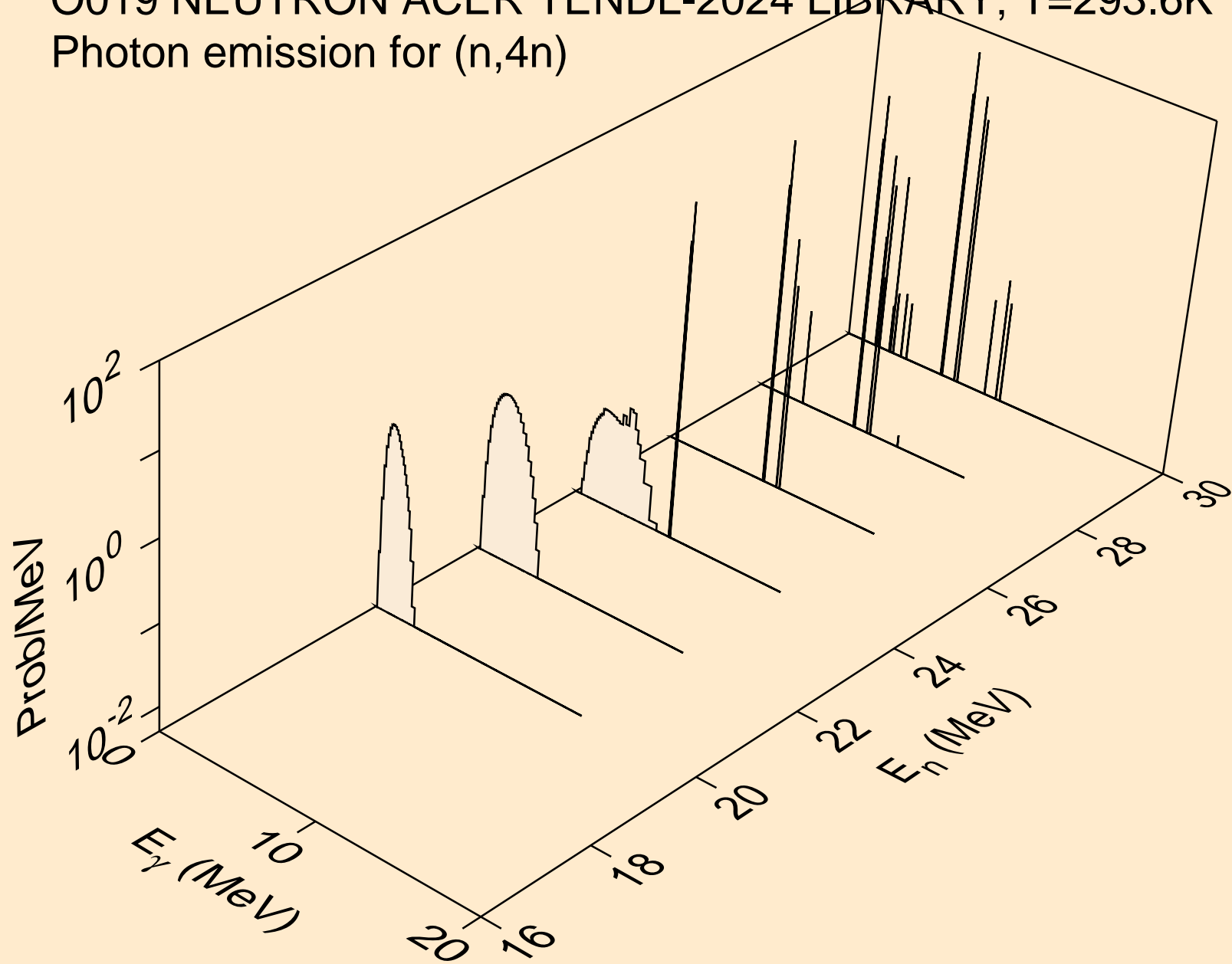


O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3

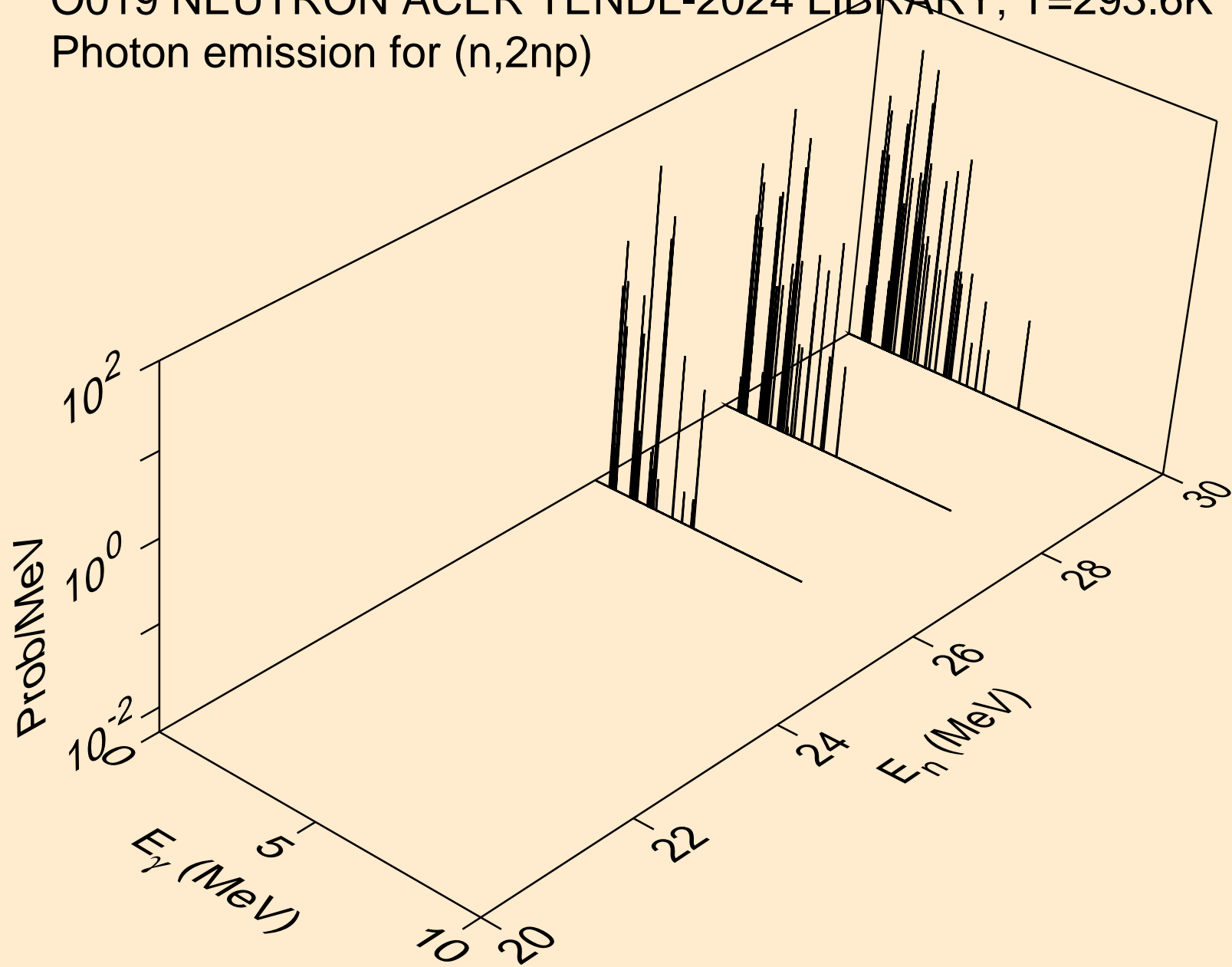




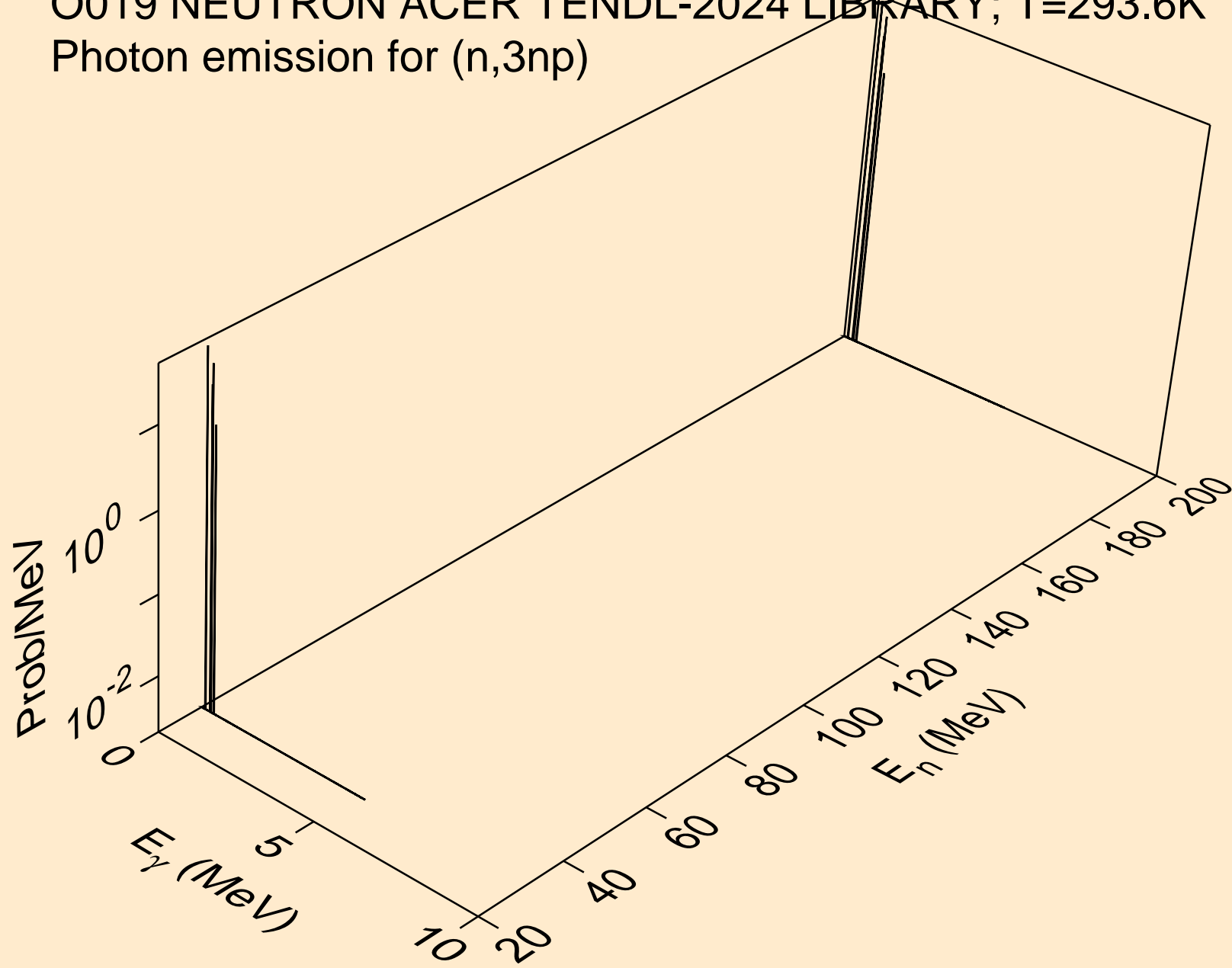
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Photon emission for (n,4n)



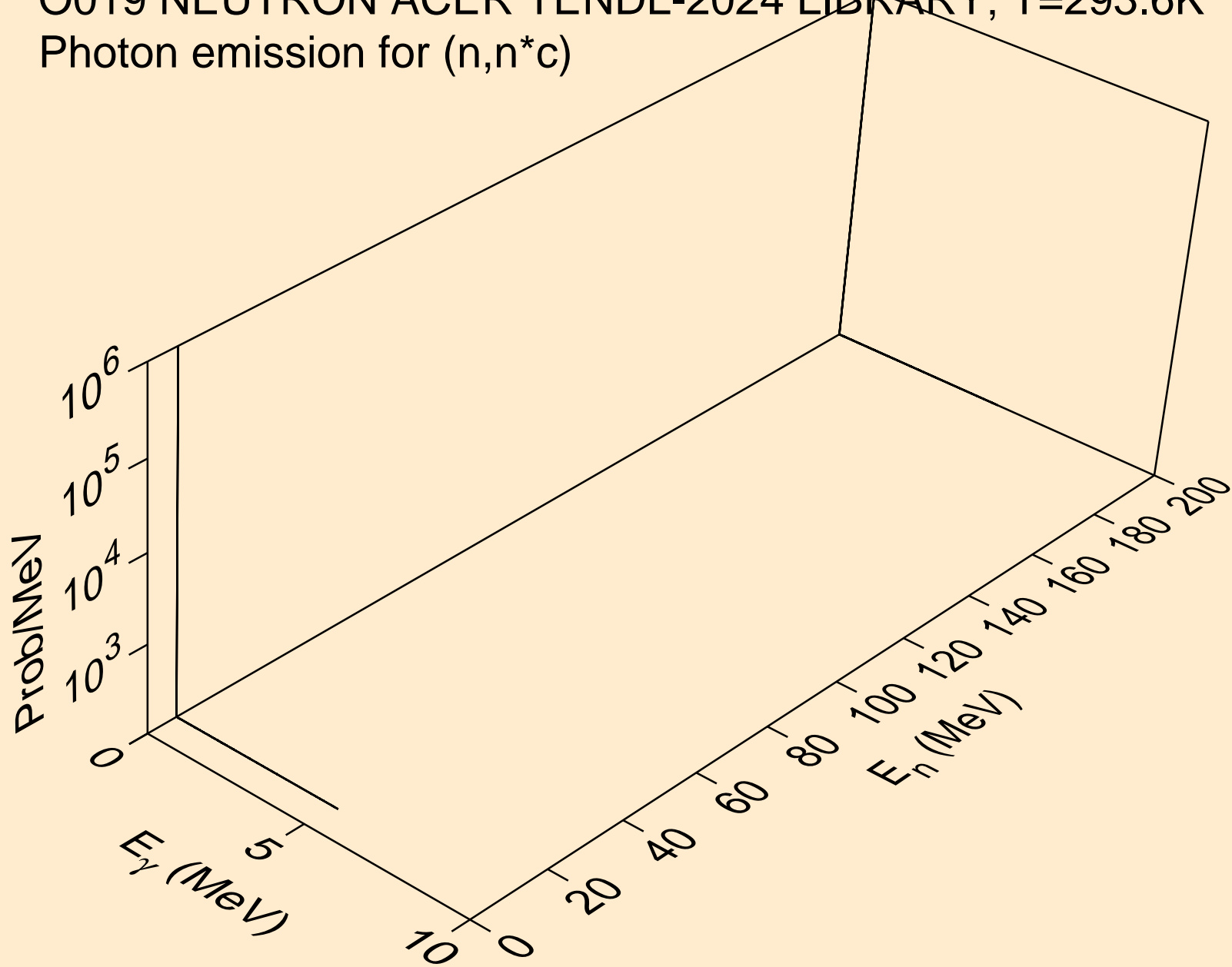
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Photon emission for (n,2np)



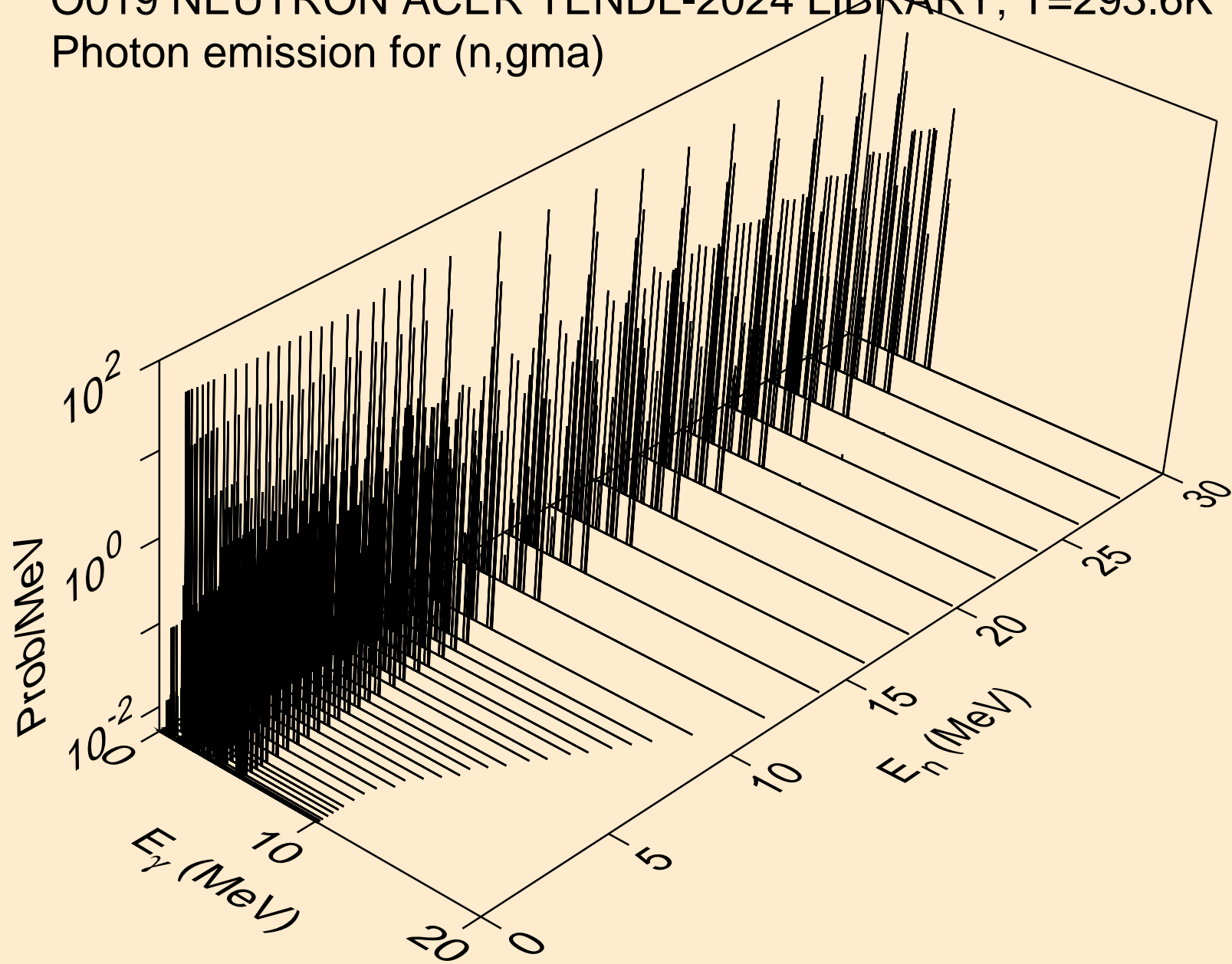
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Photon emission for (n,3np)



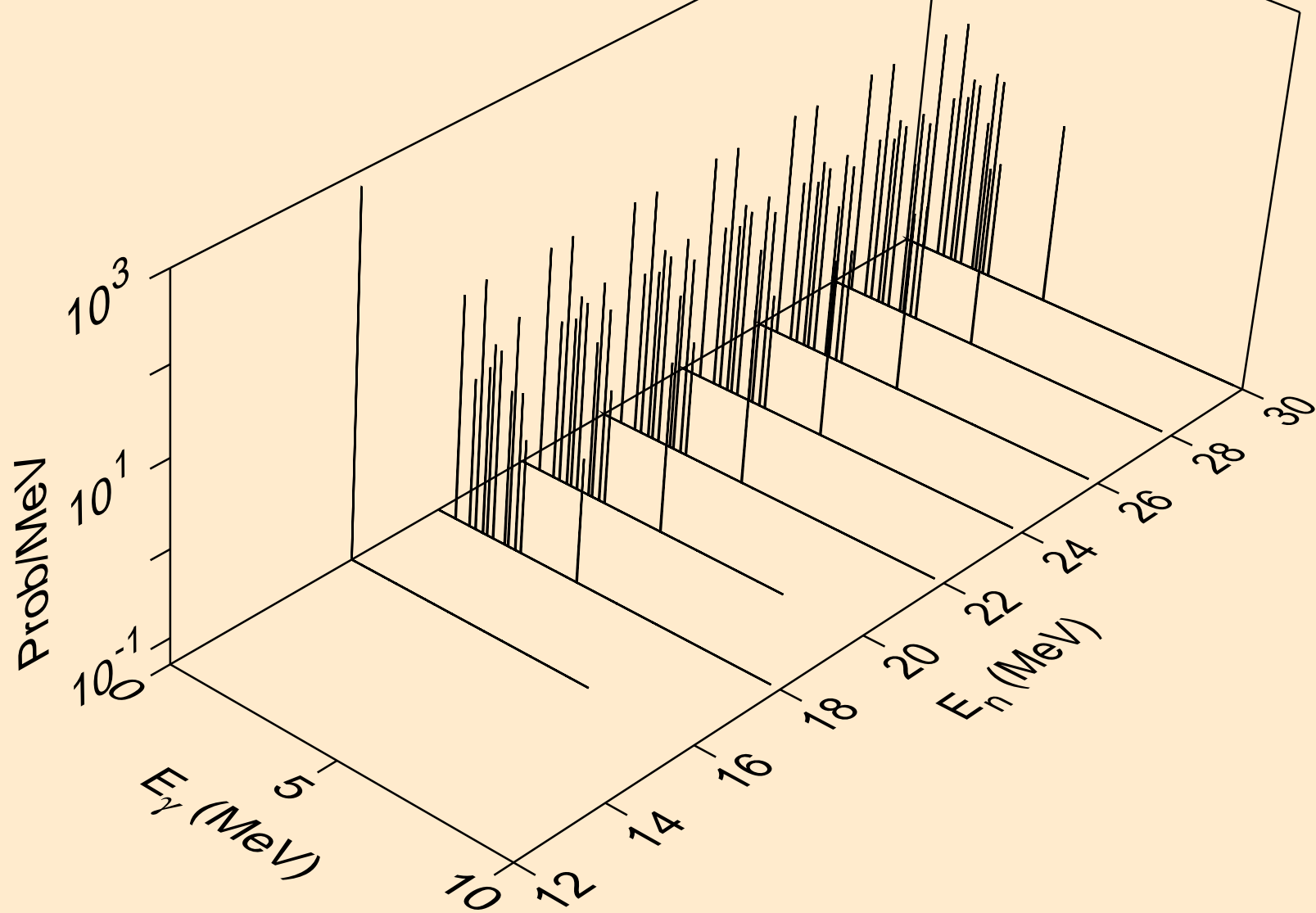
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Photon emission for (n,n\*c)



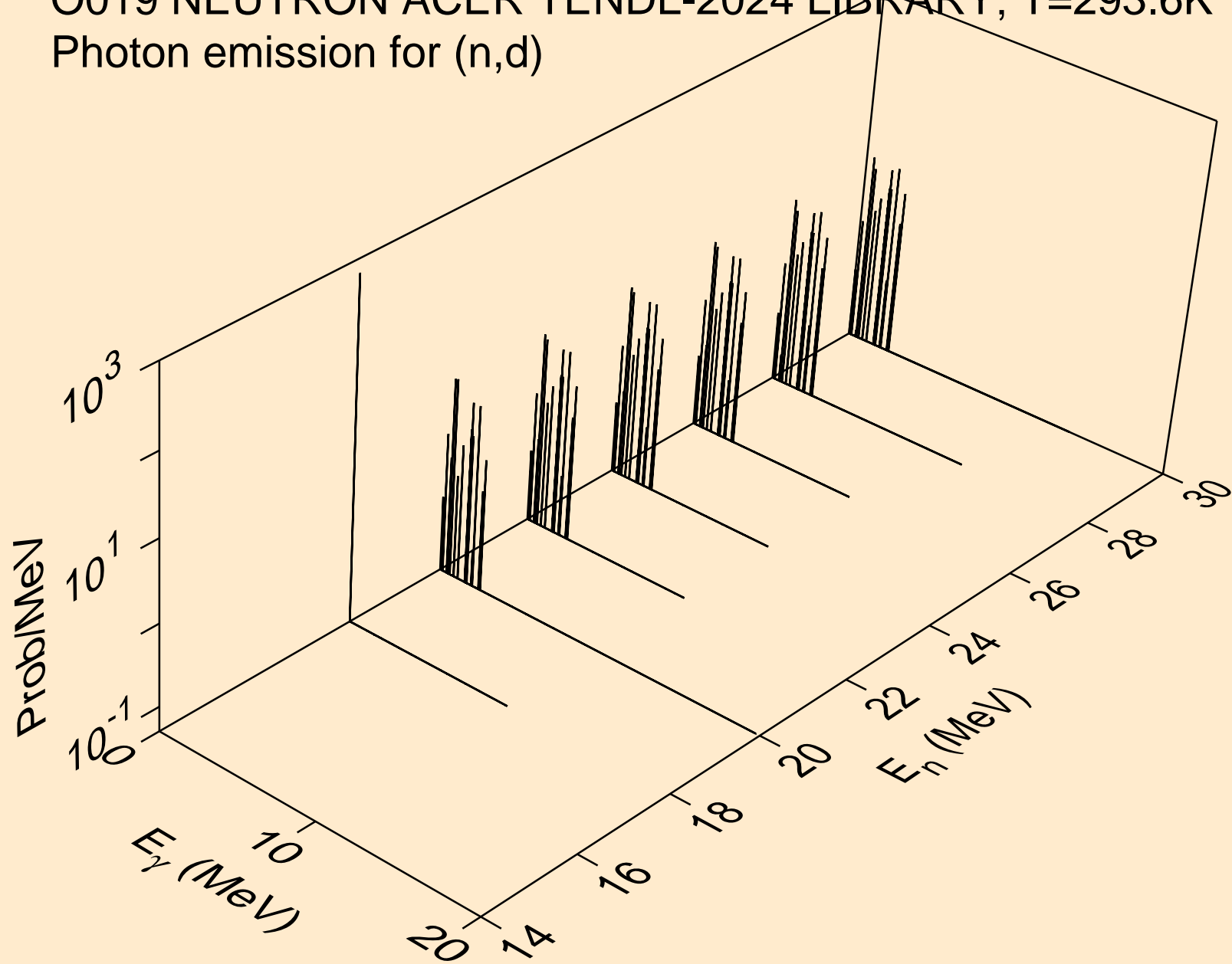
O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,gma)



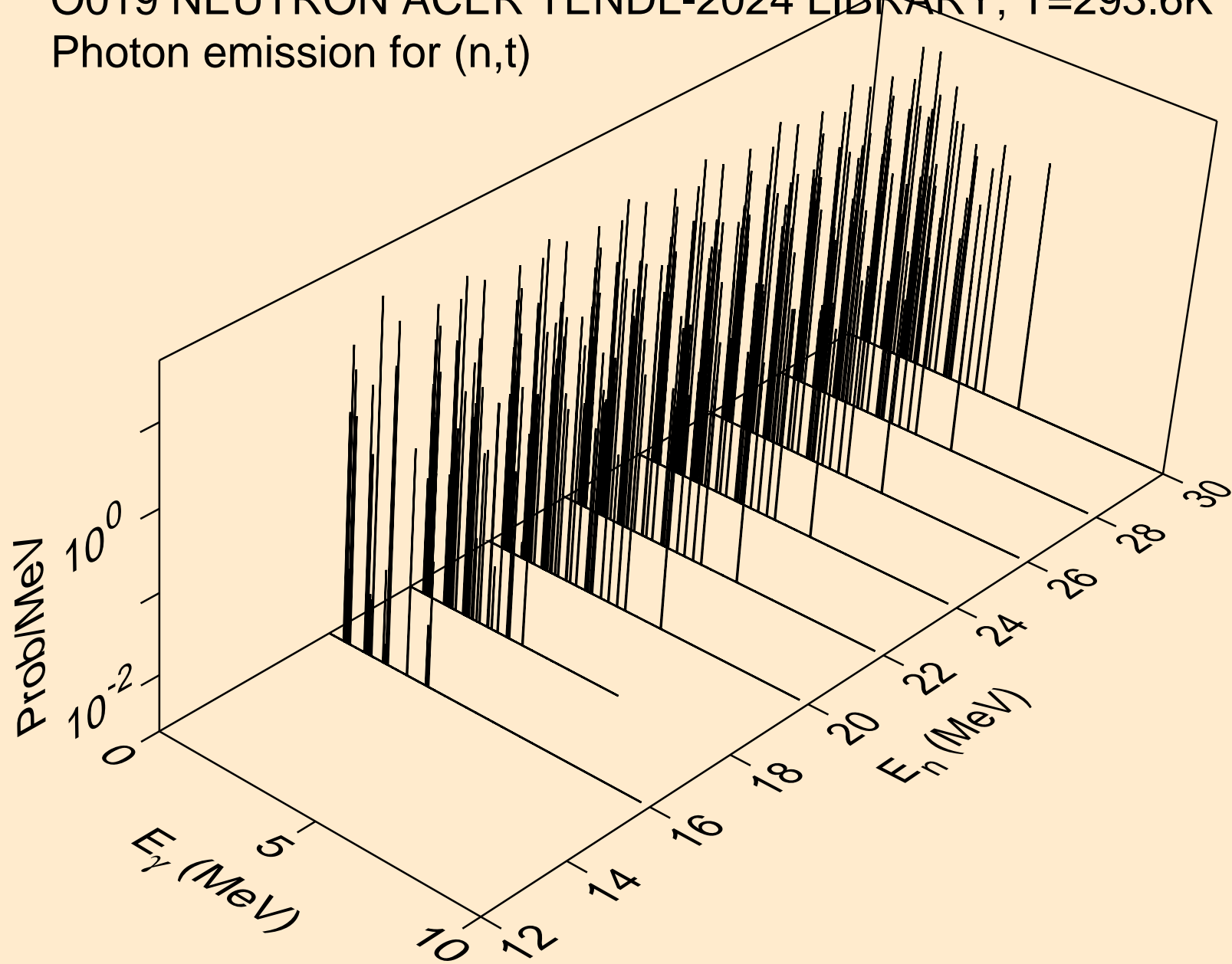
O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,p)



O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,d)

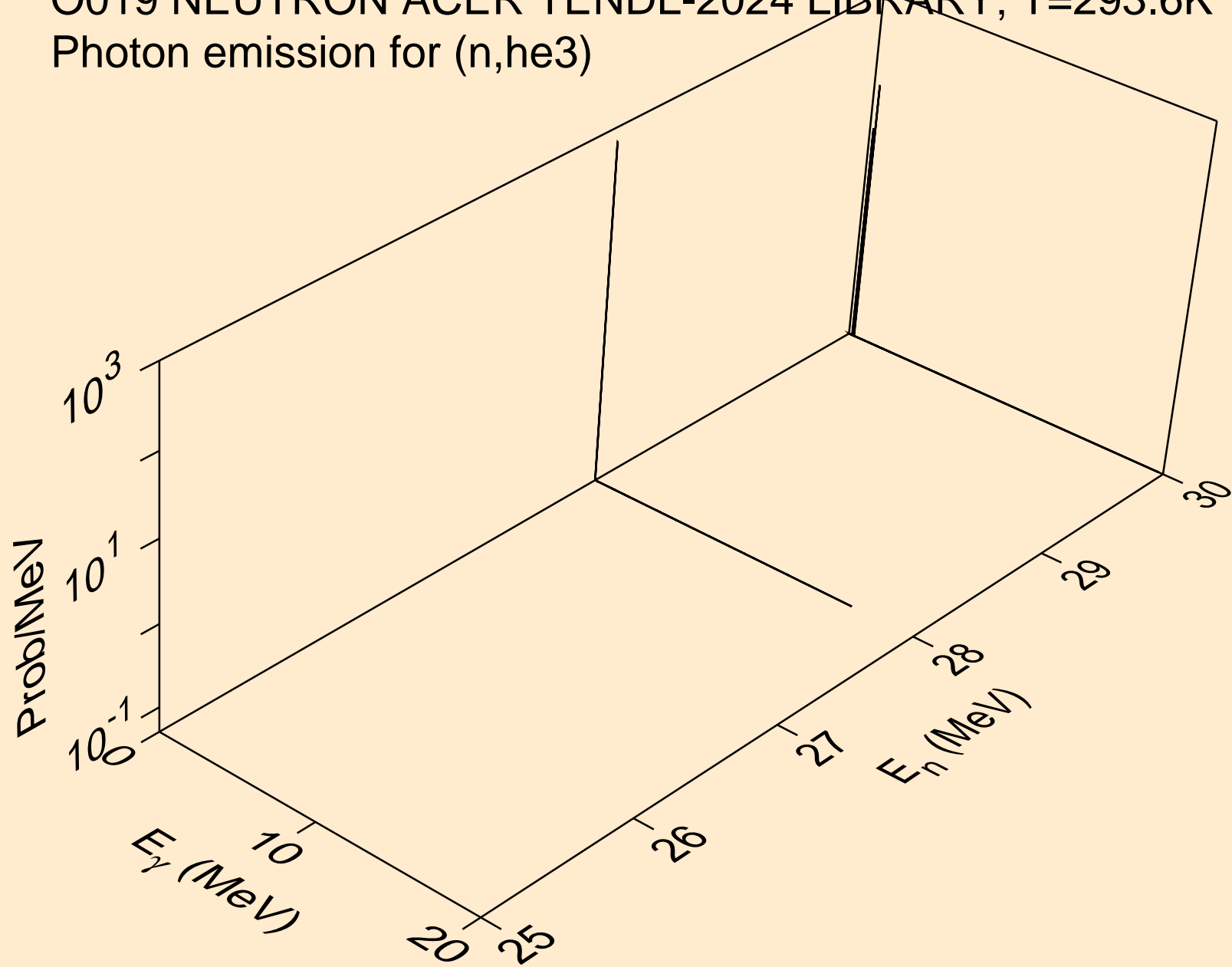


O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,t)

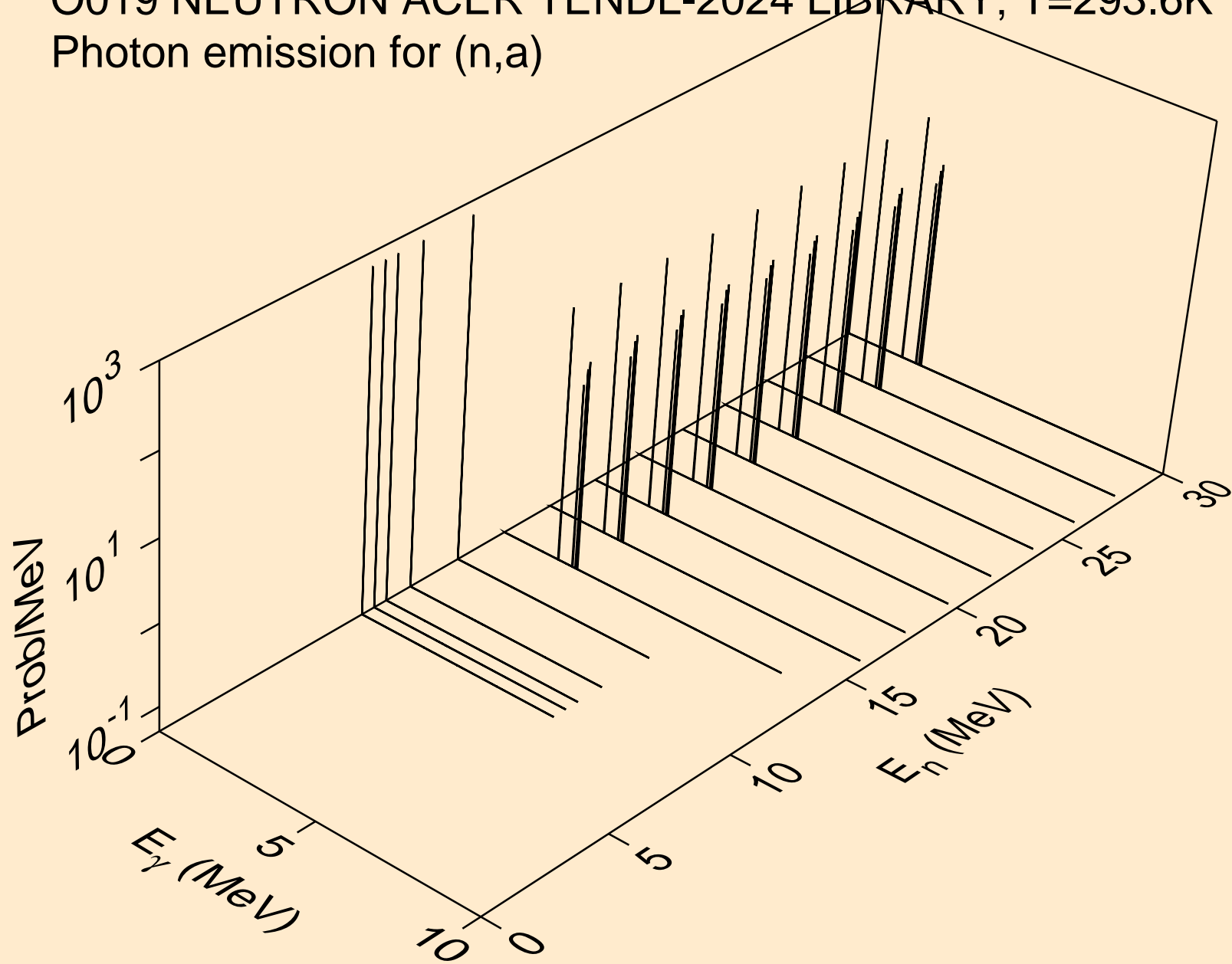




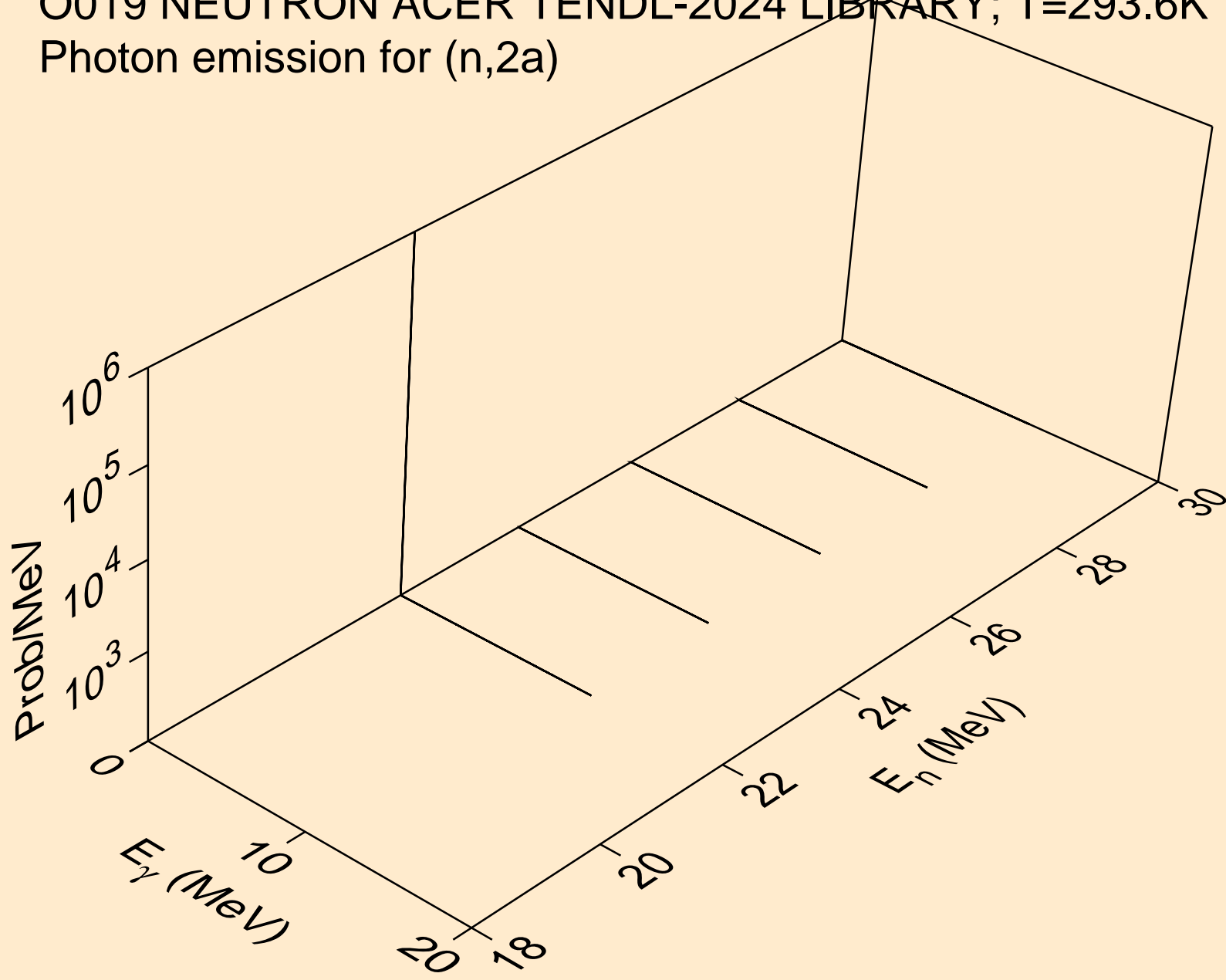
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Photon emission for (n,he3)



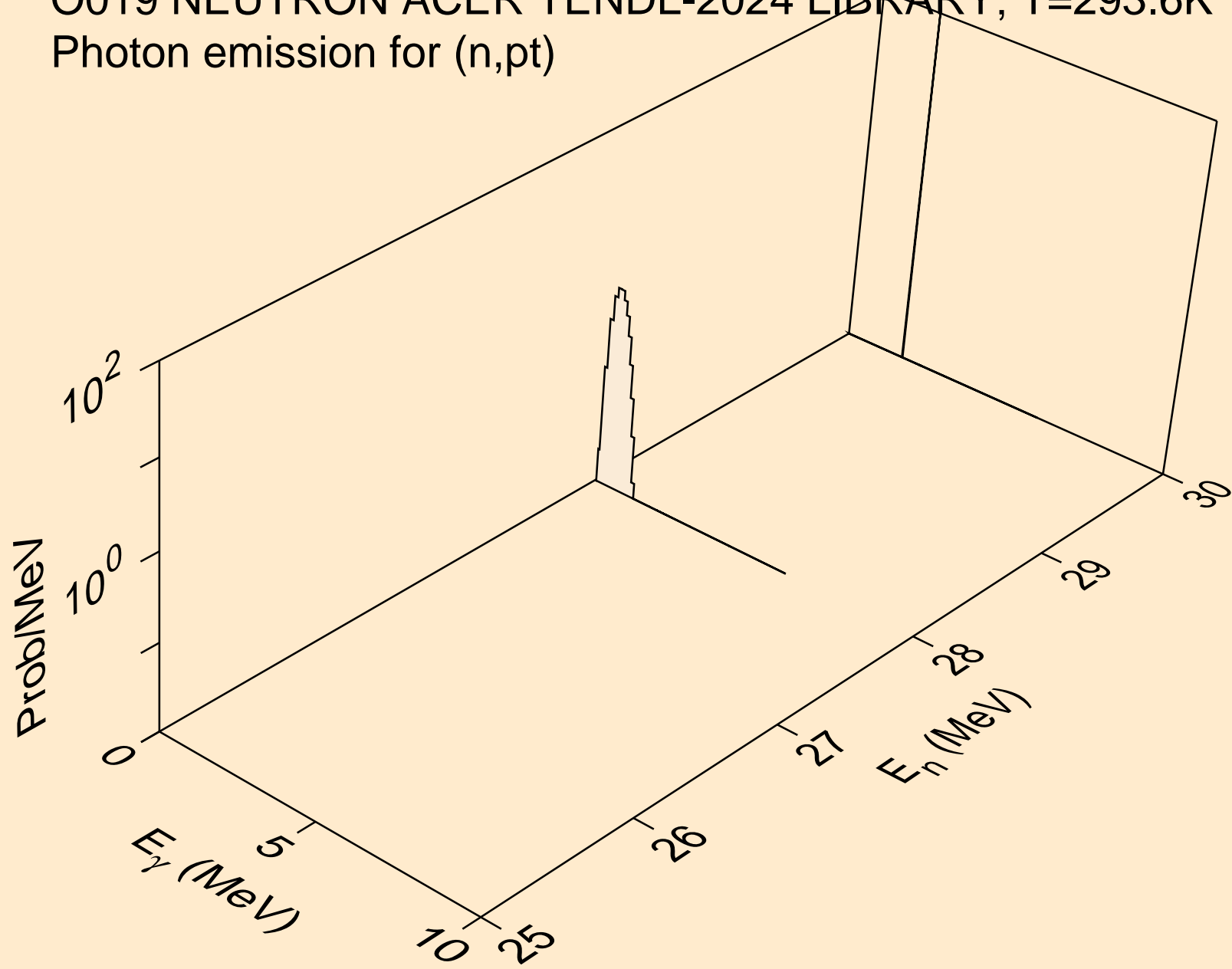
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Photon emission for (n,a)



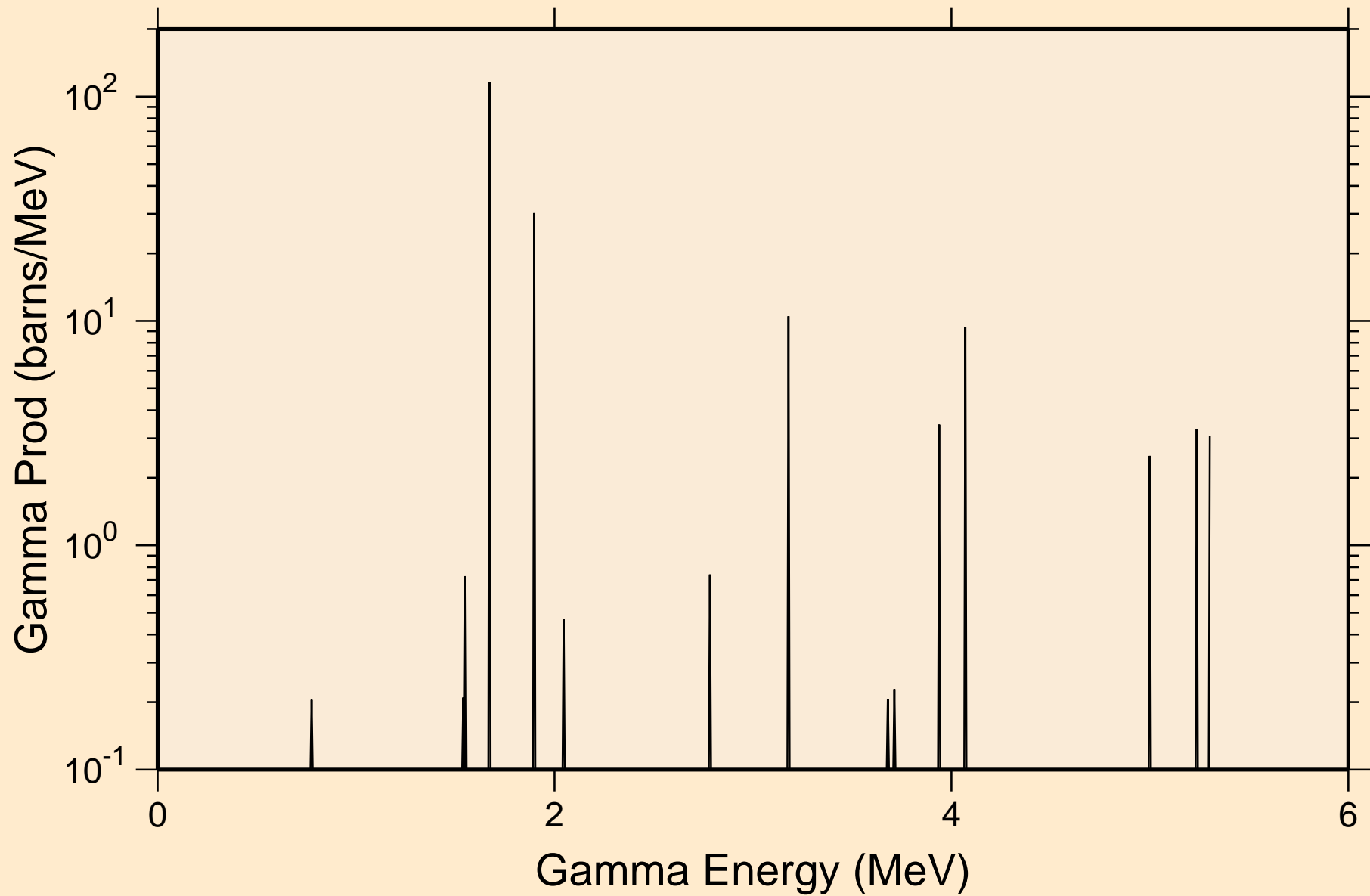
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Photon emission for (n,2a)



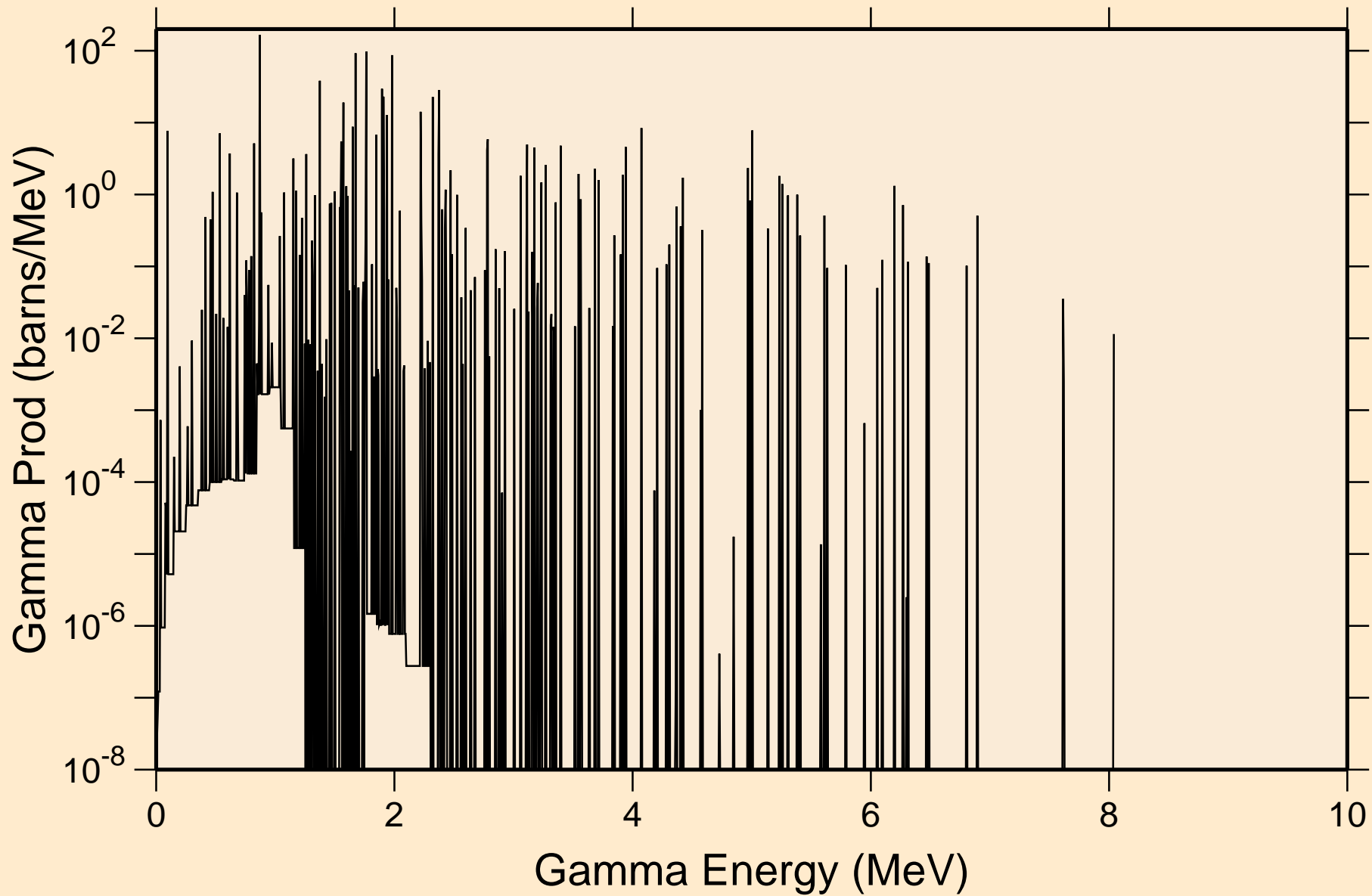
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Photon emission for (n,pt)



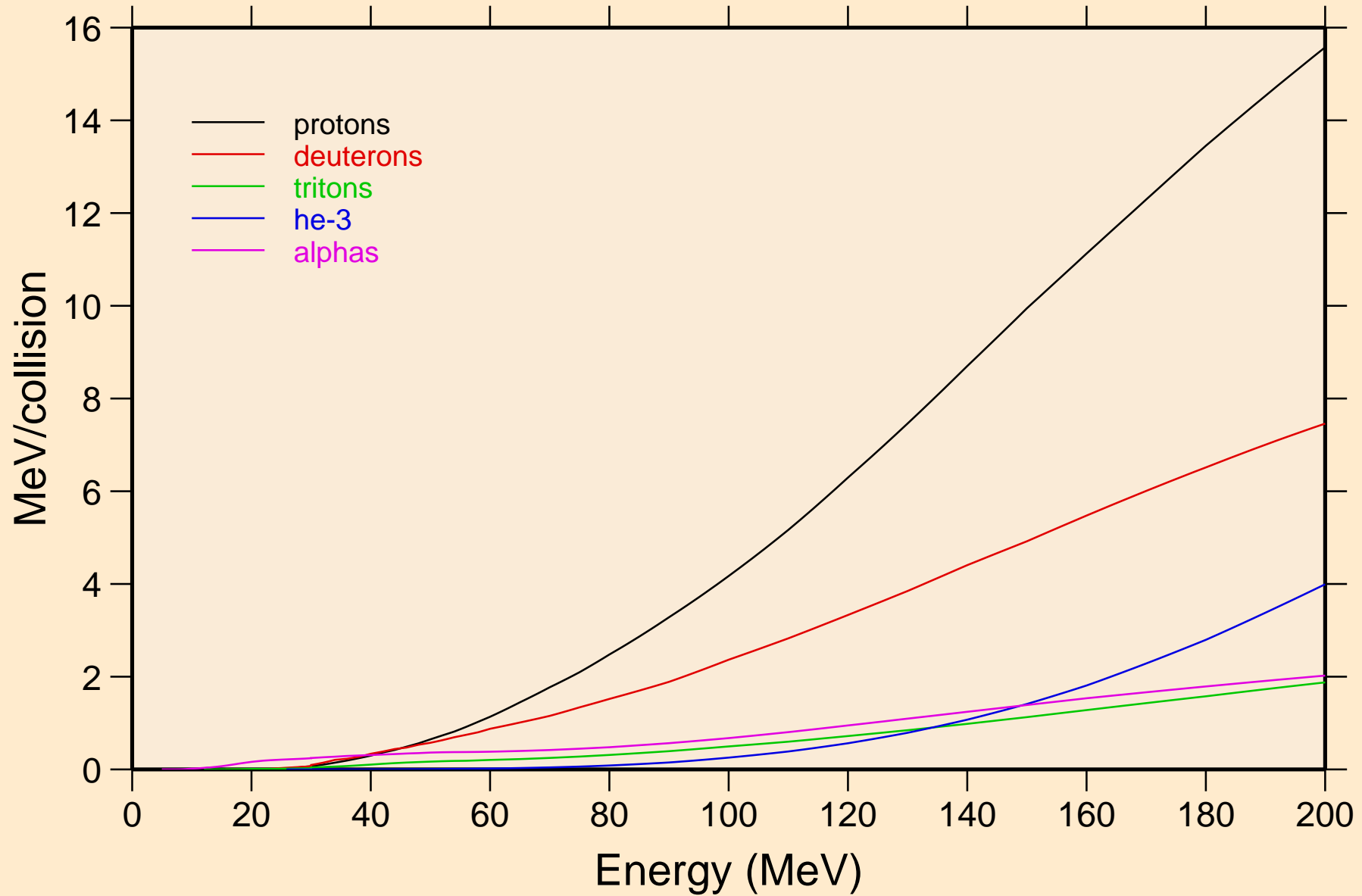
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thermal capture photon spectrum



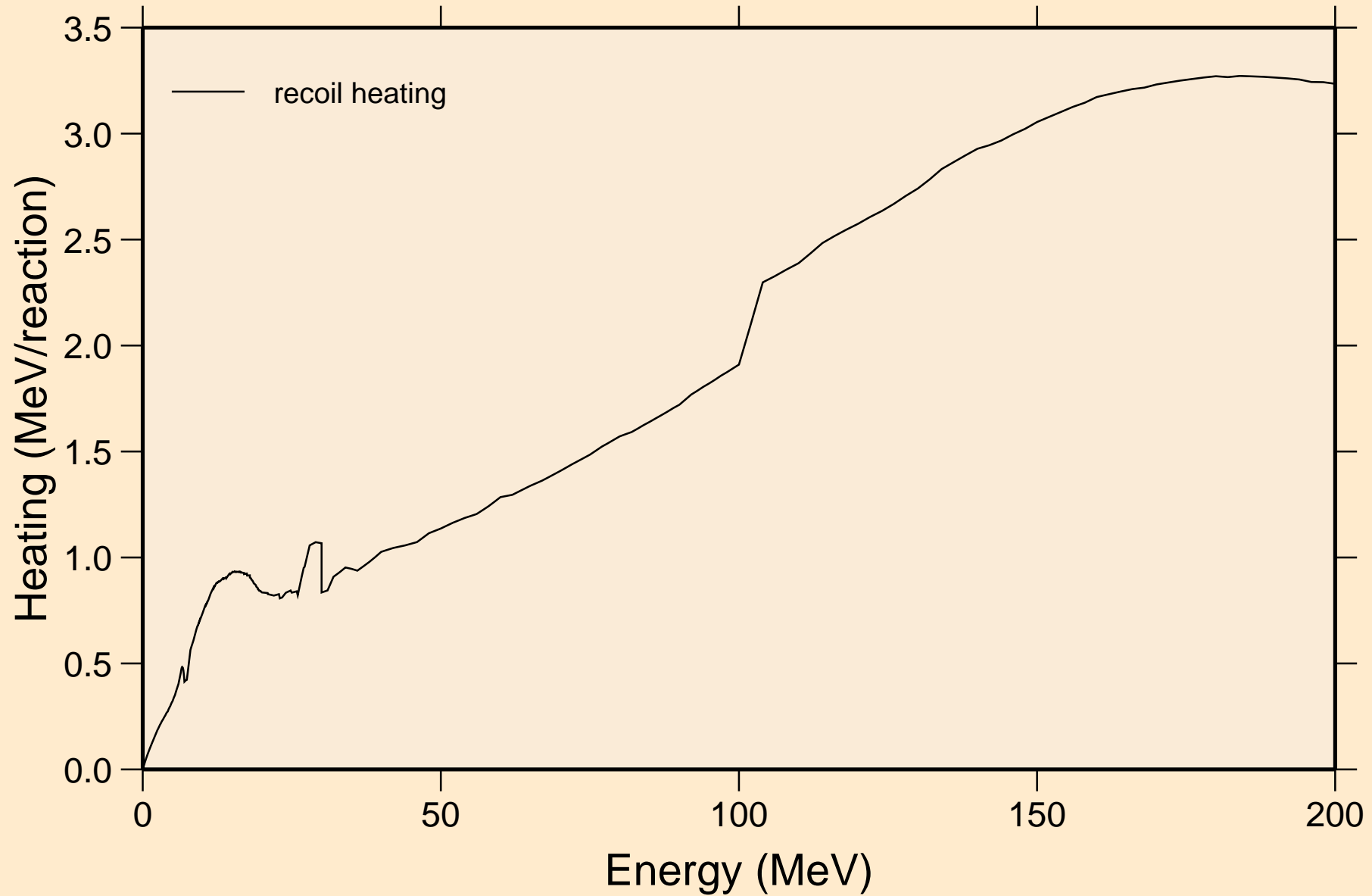
O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
14 MeV photon spectrum



O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Particle heating contributions

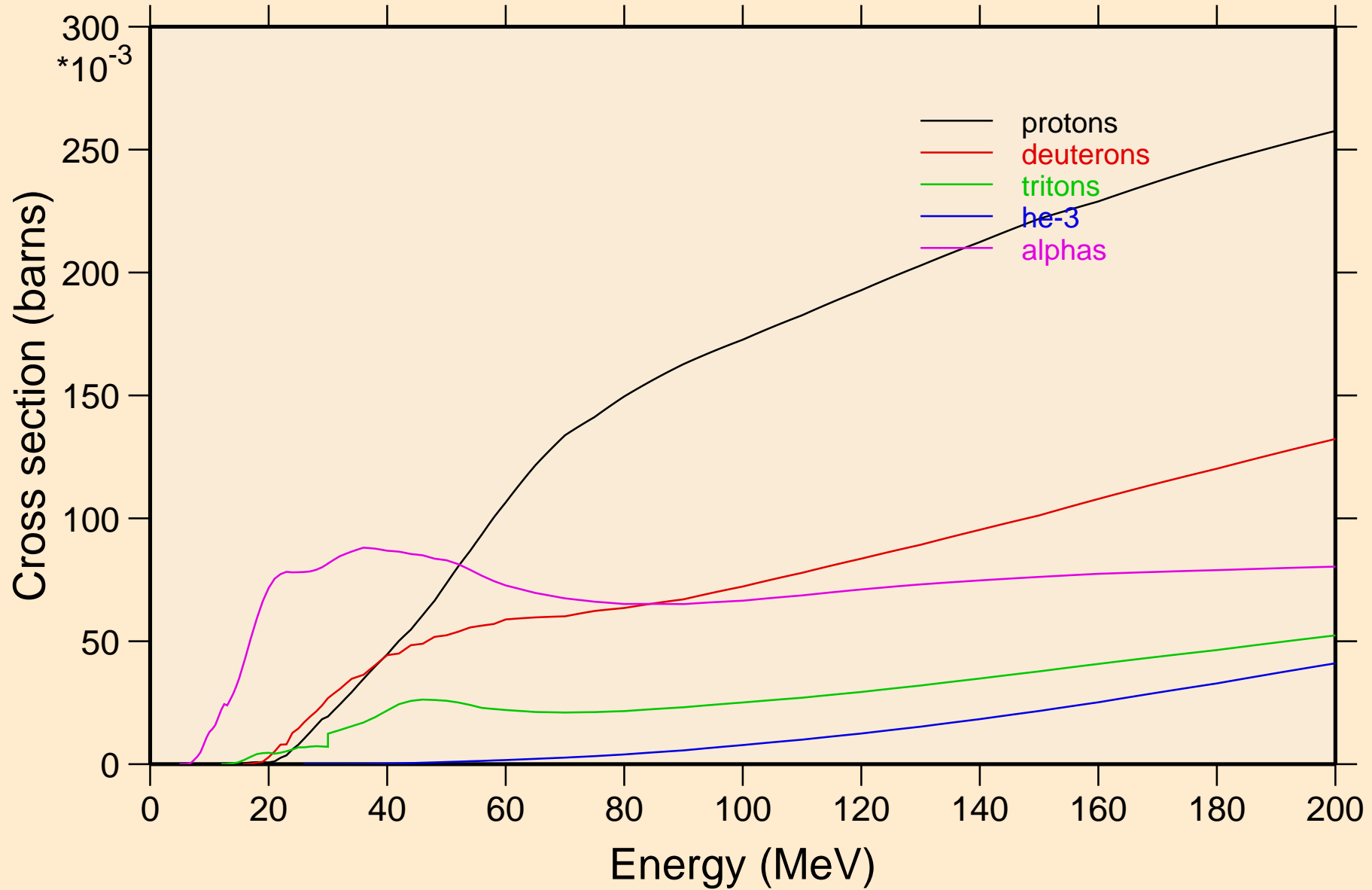


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Recoil Heating

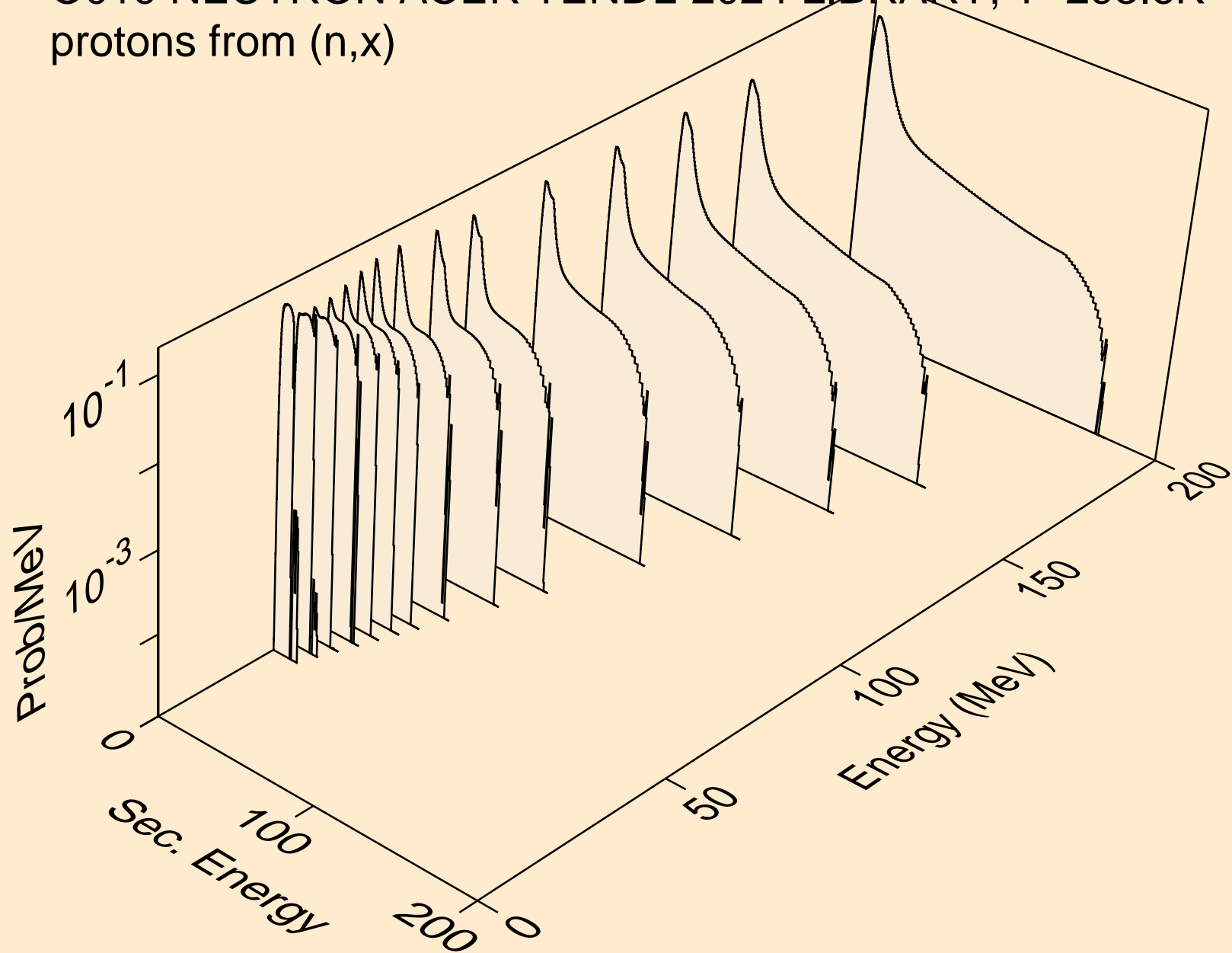




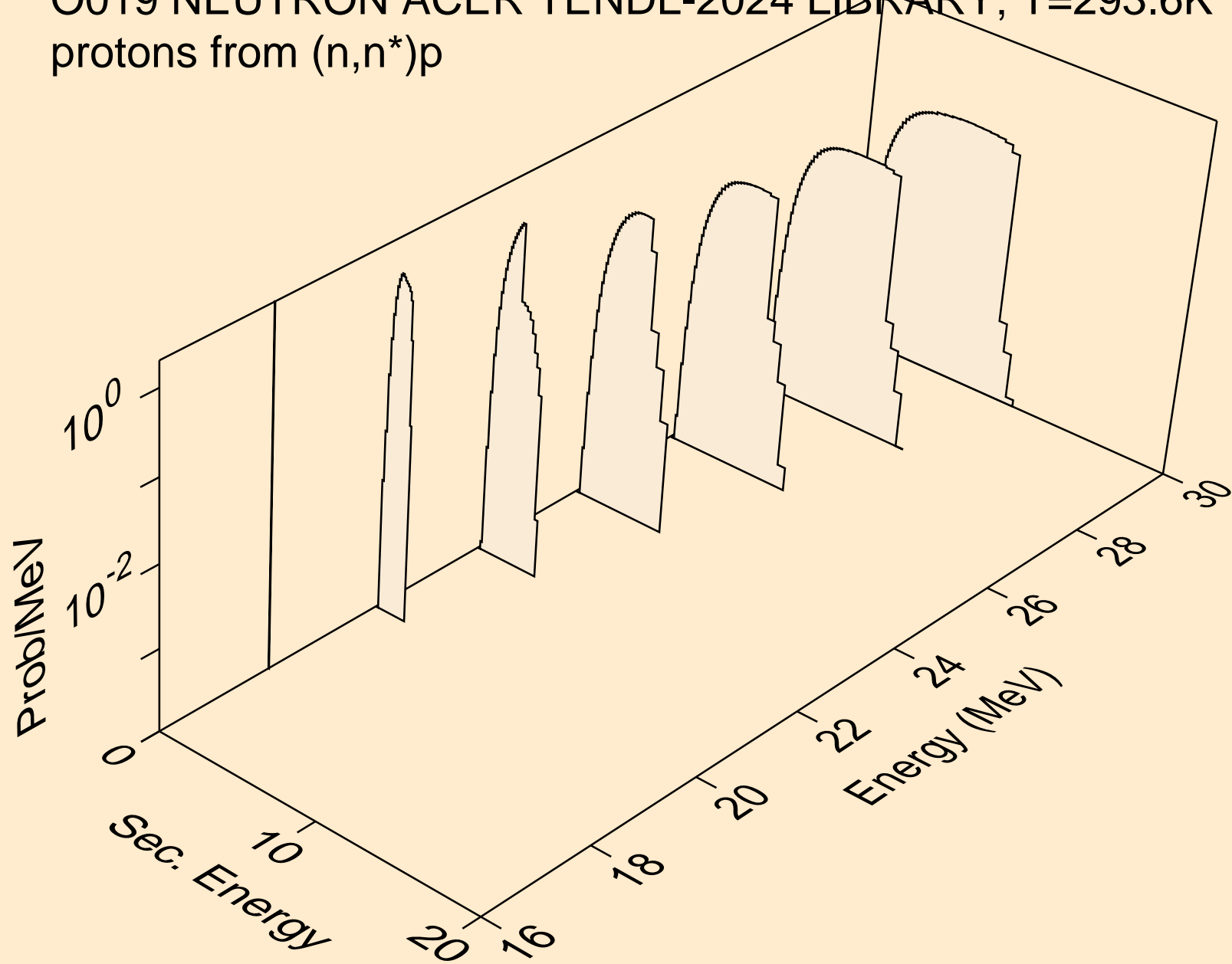
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Particle production cross sections



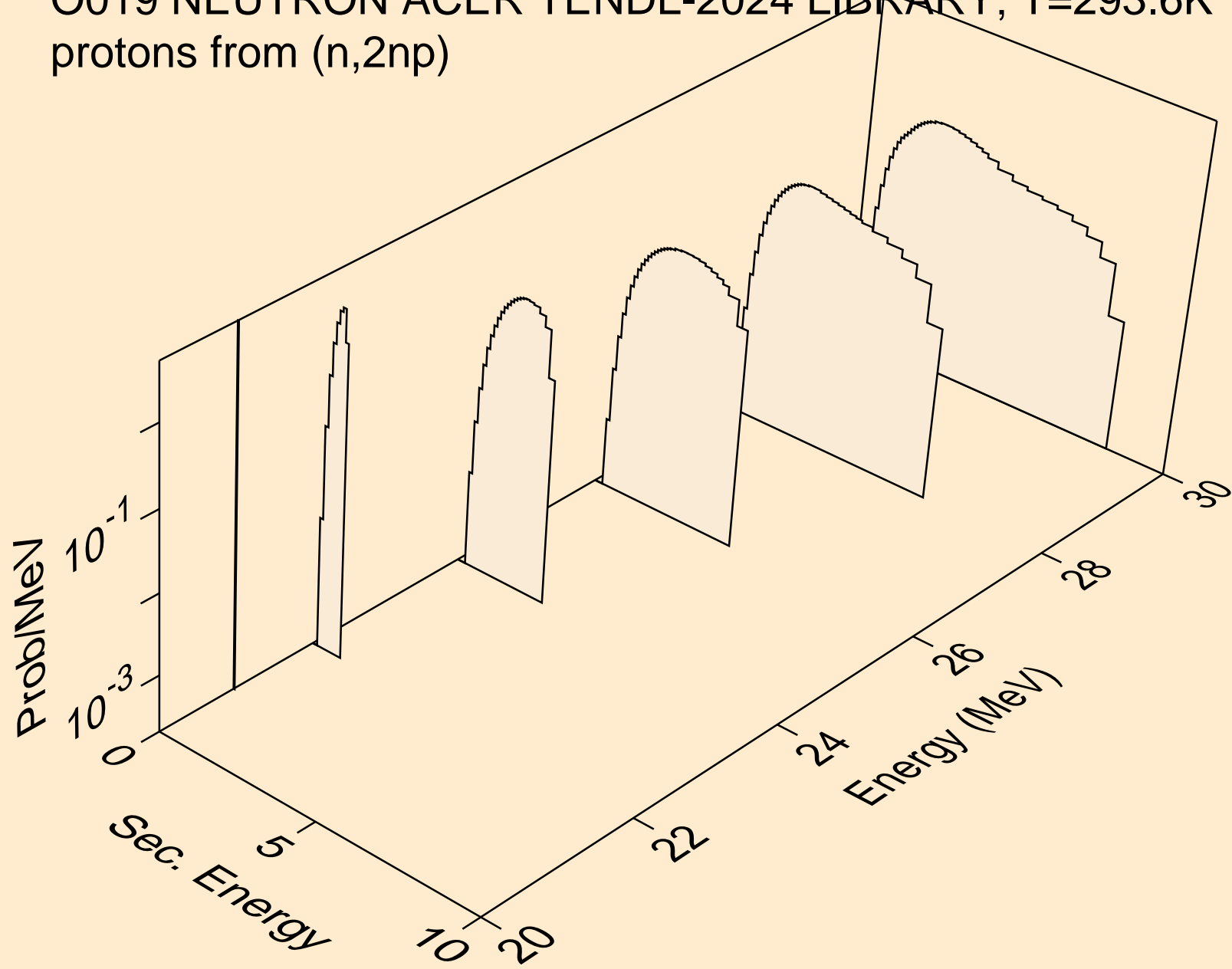
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protons from (n,x)



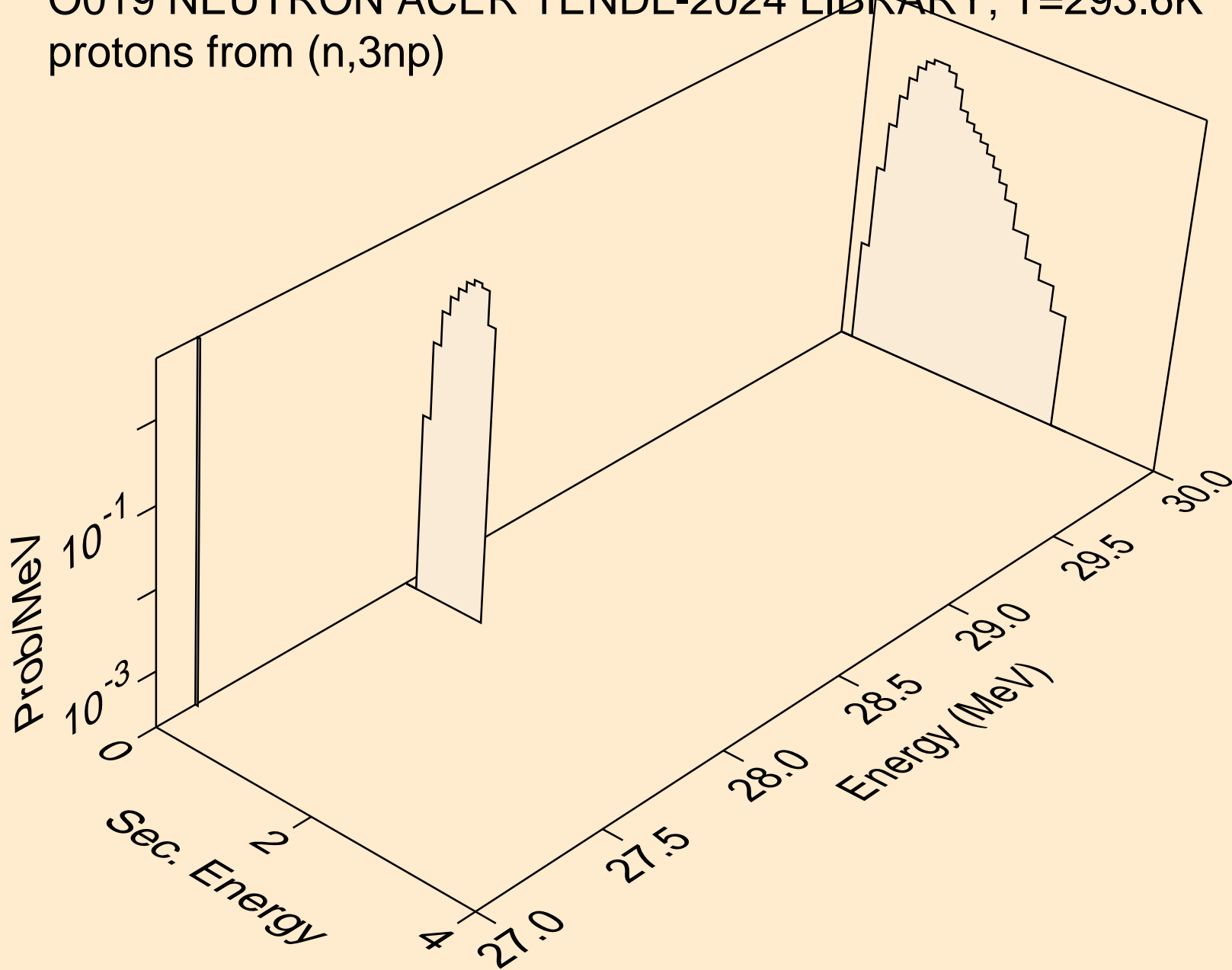
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protons from (n,n\*)p



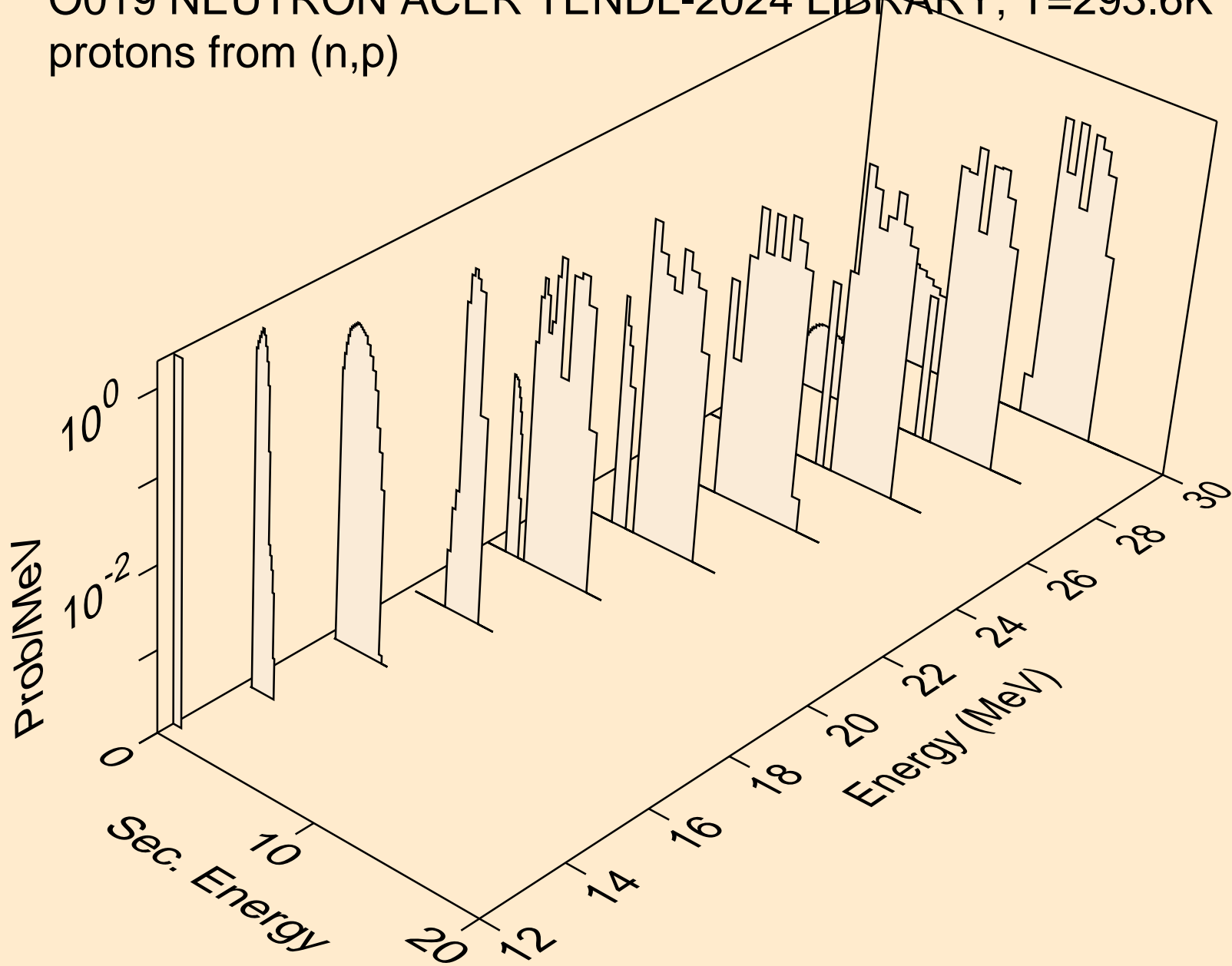
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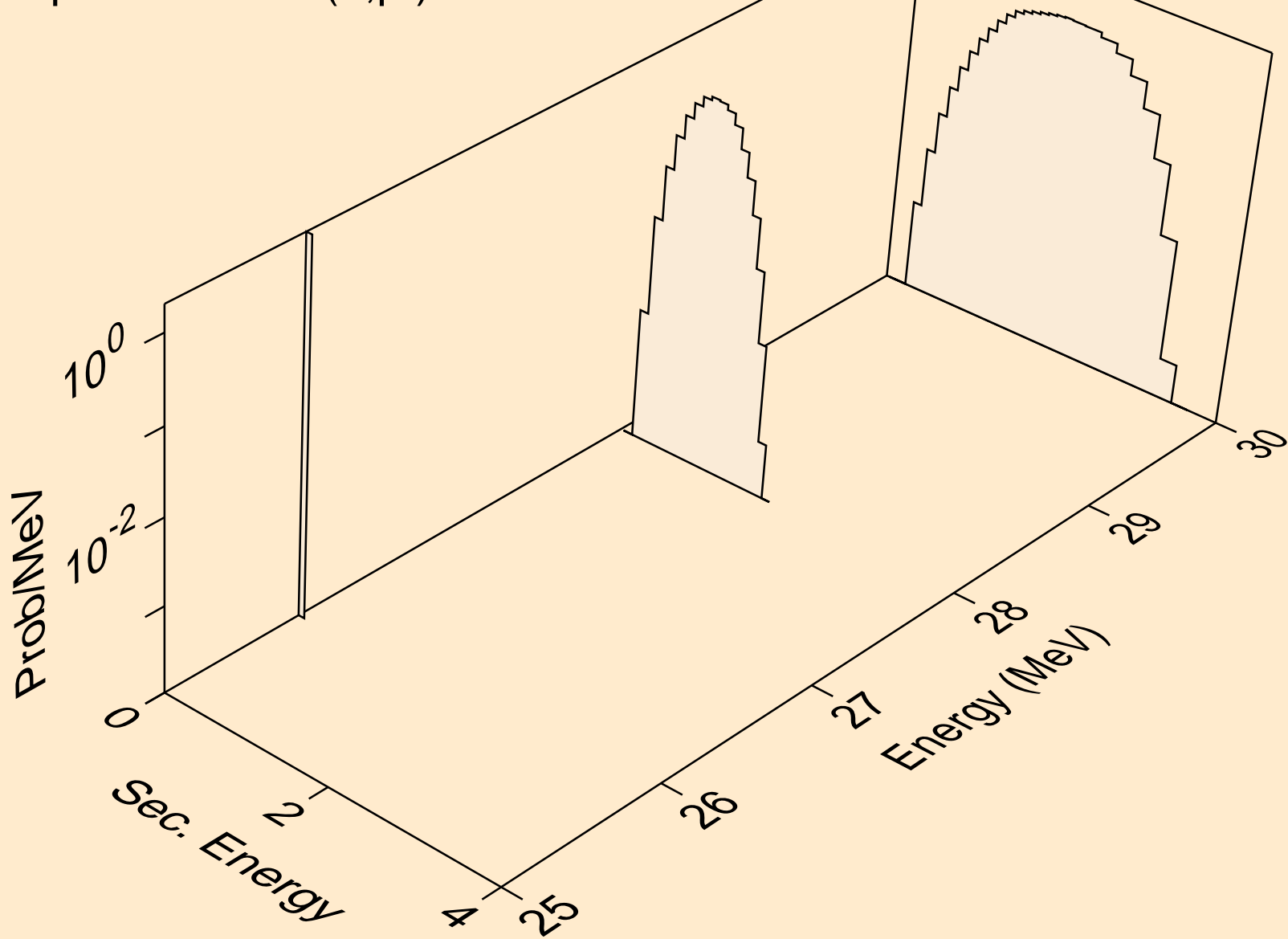
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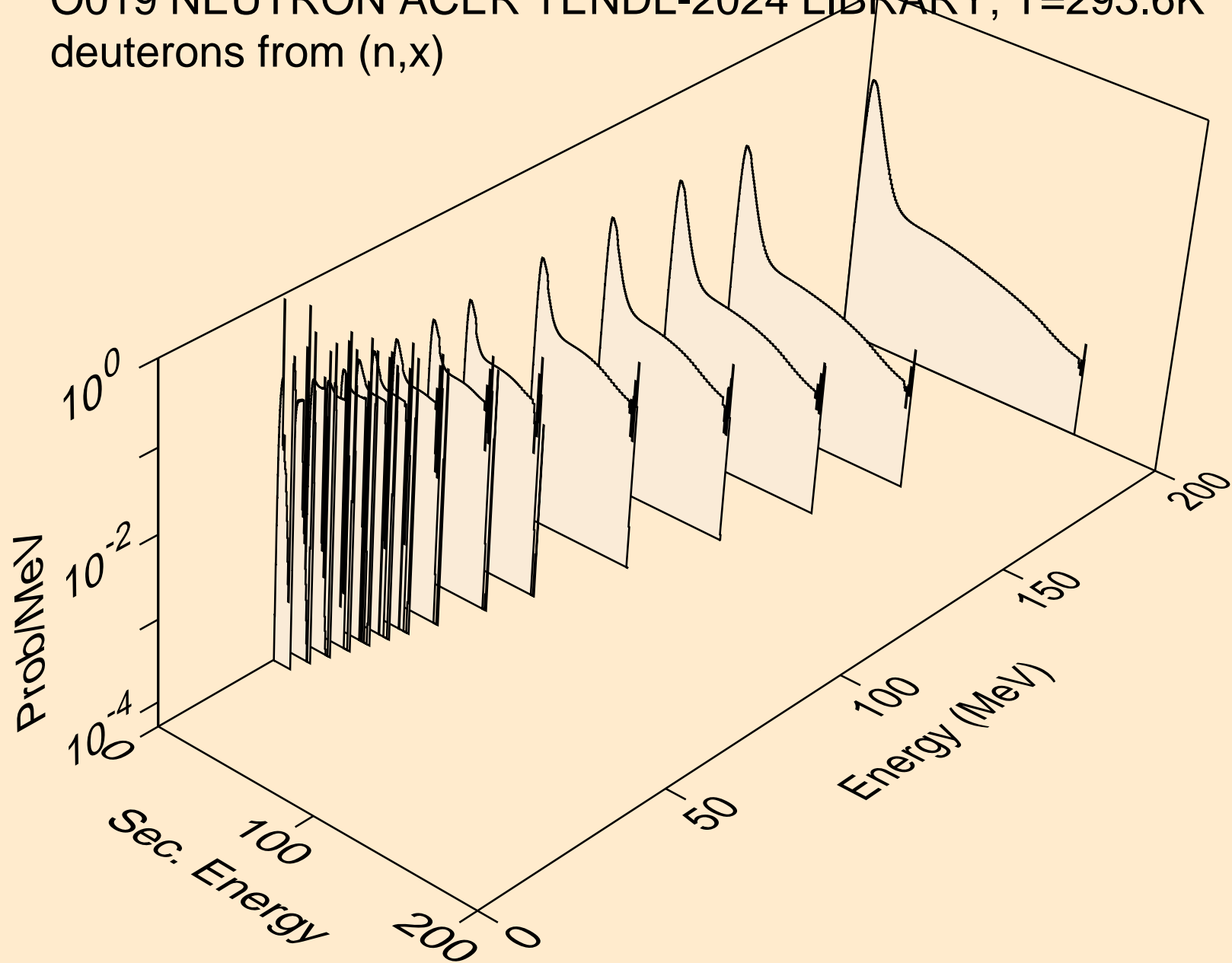
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protons from (n,p)



O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,pt)

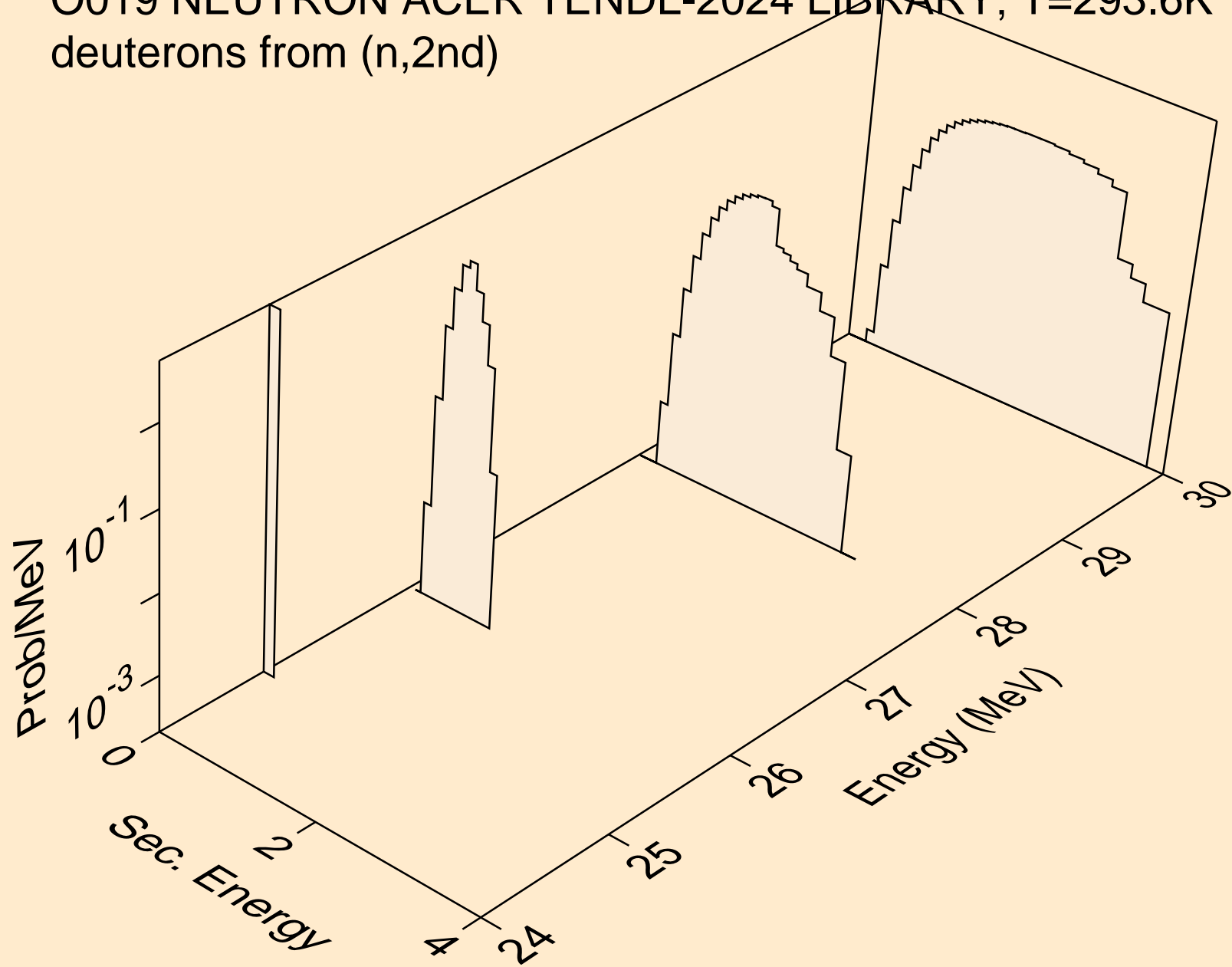


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deuterons from (n,x)

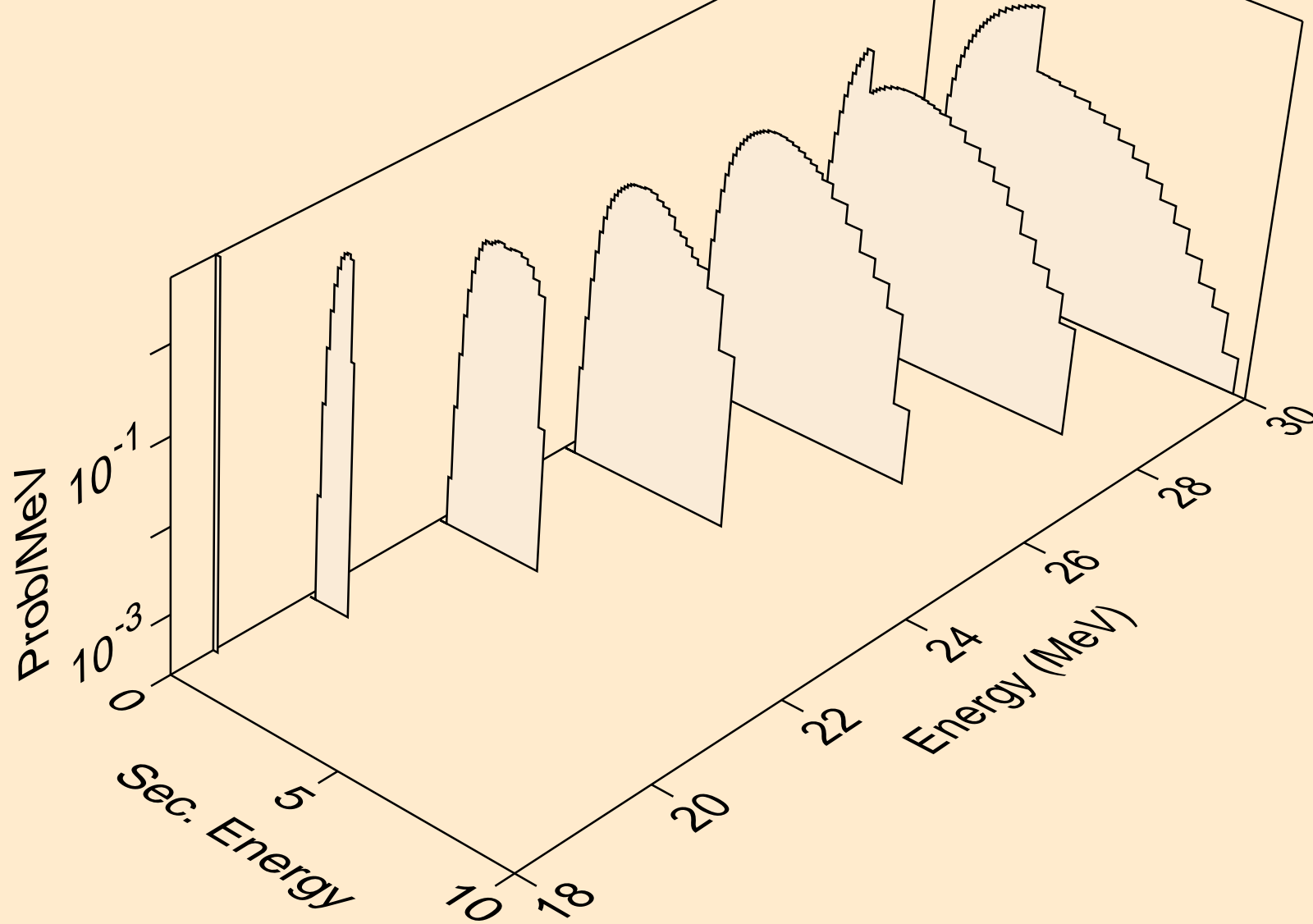




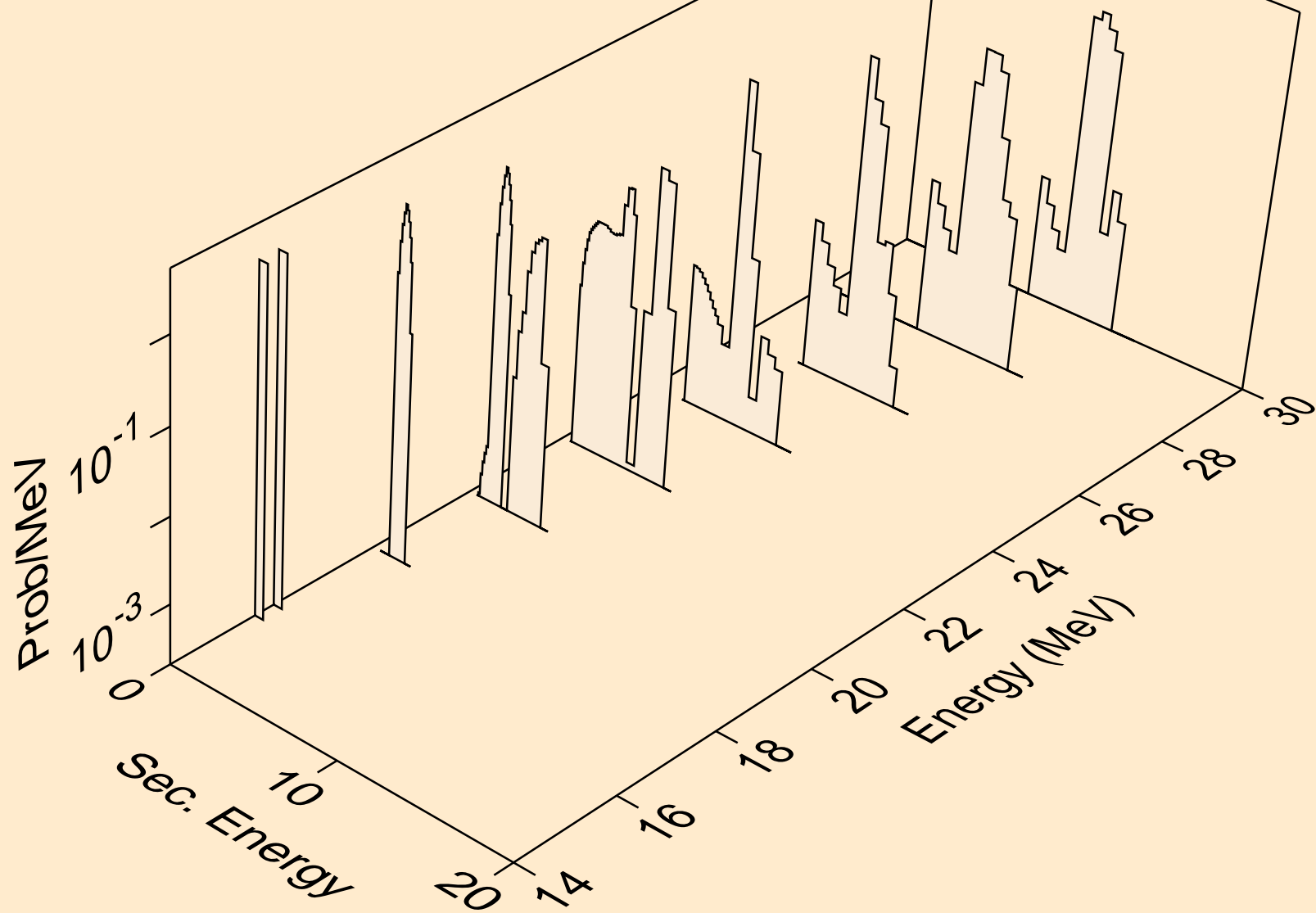
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deuterons from (n,2nd)



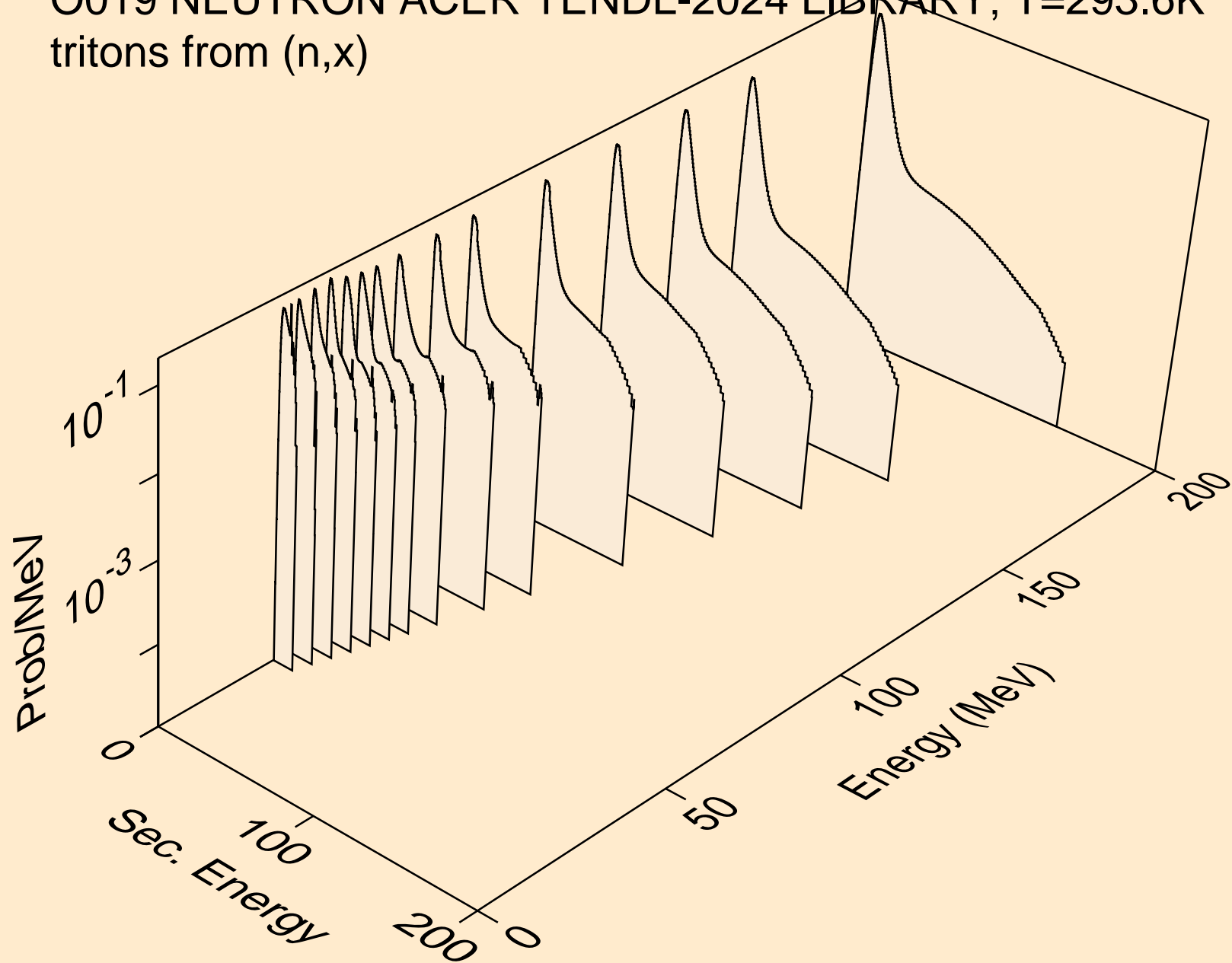
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deuterons from (n,n\*)d



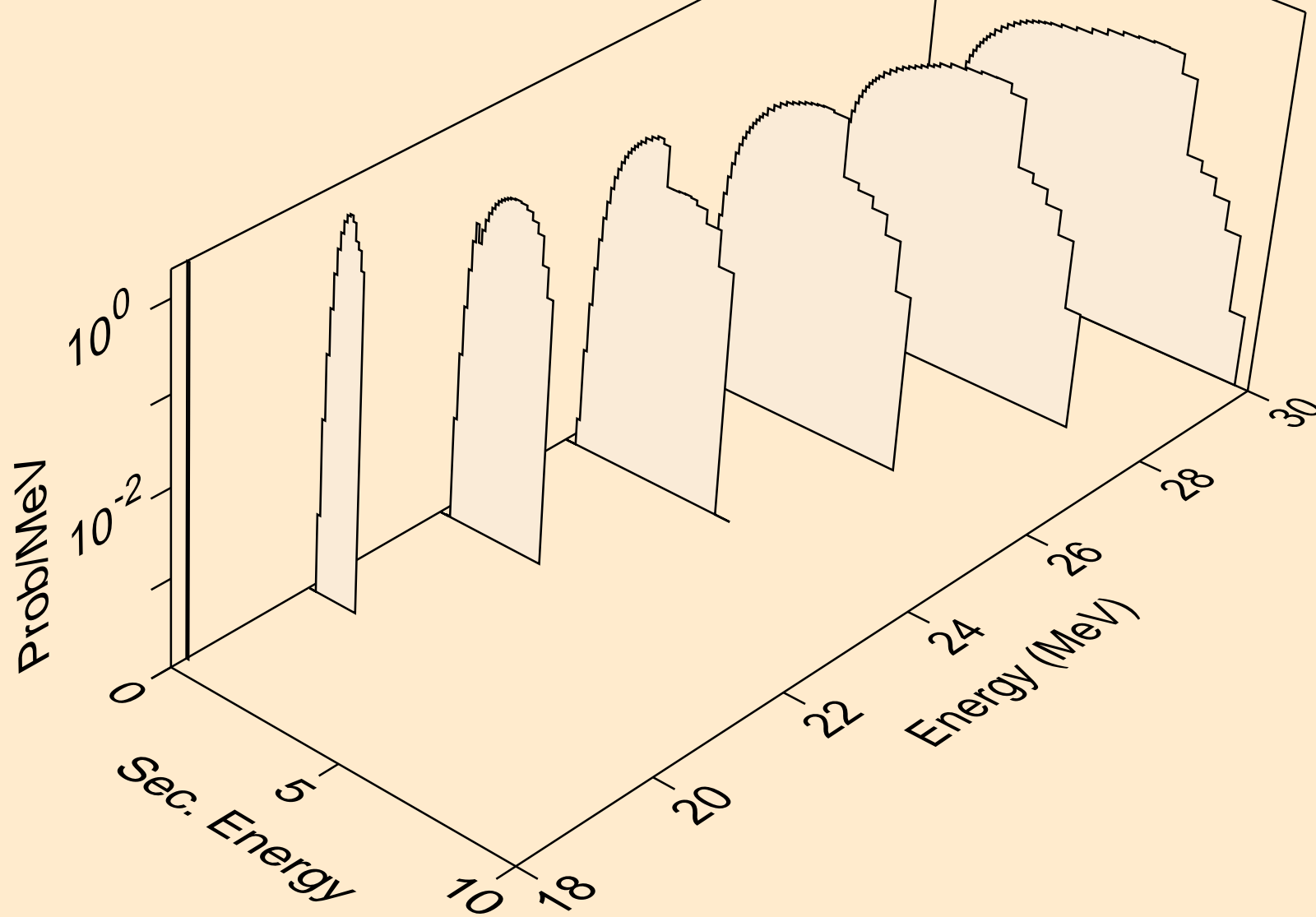
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deuterons from (n,d)



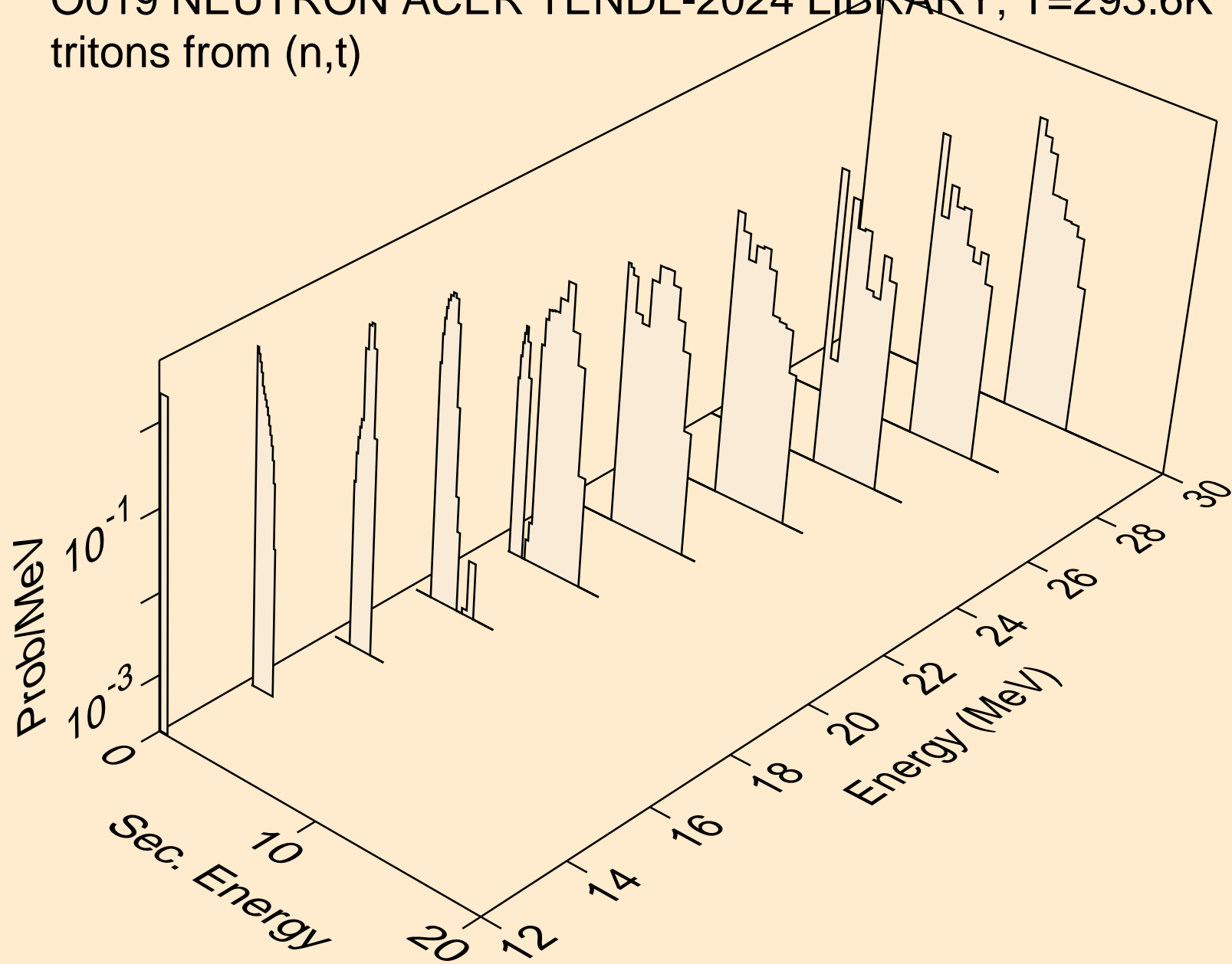
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tritons from (n,x)



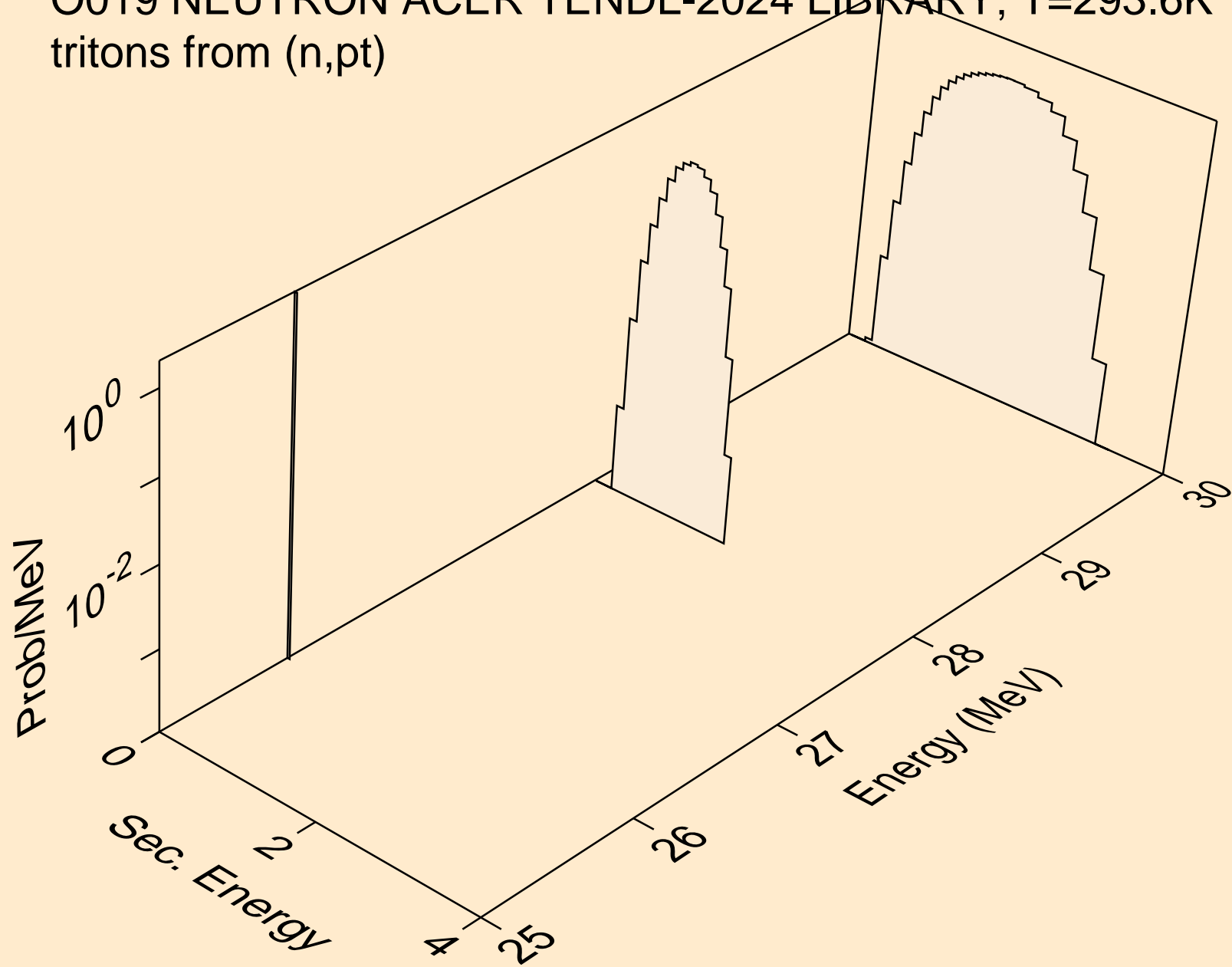
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tritons from (n,n\*)t



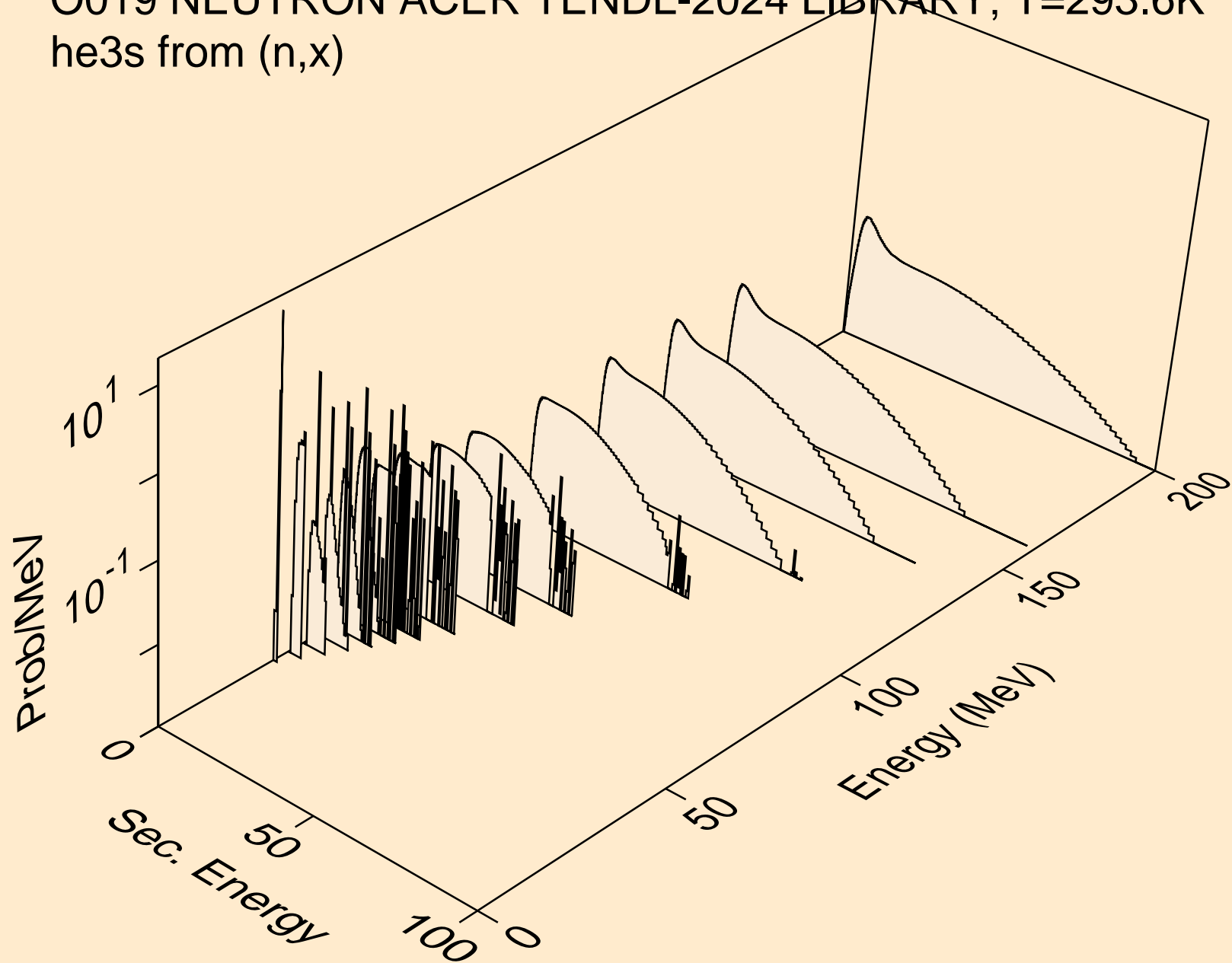
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tritons from (n,t)



O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,pt)

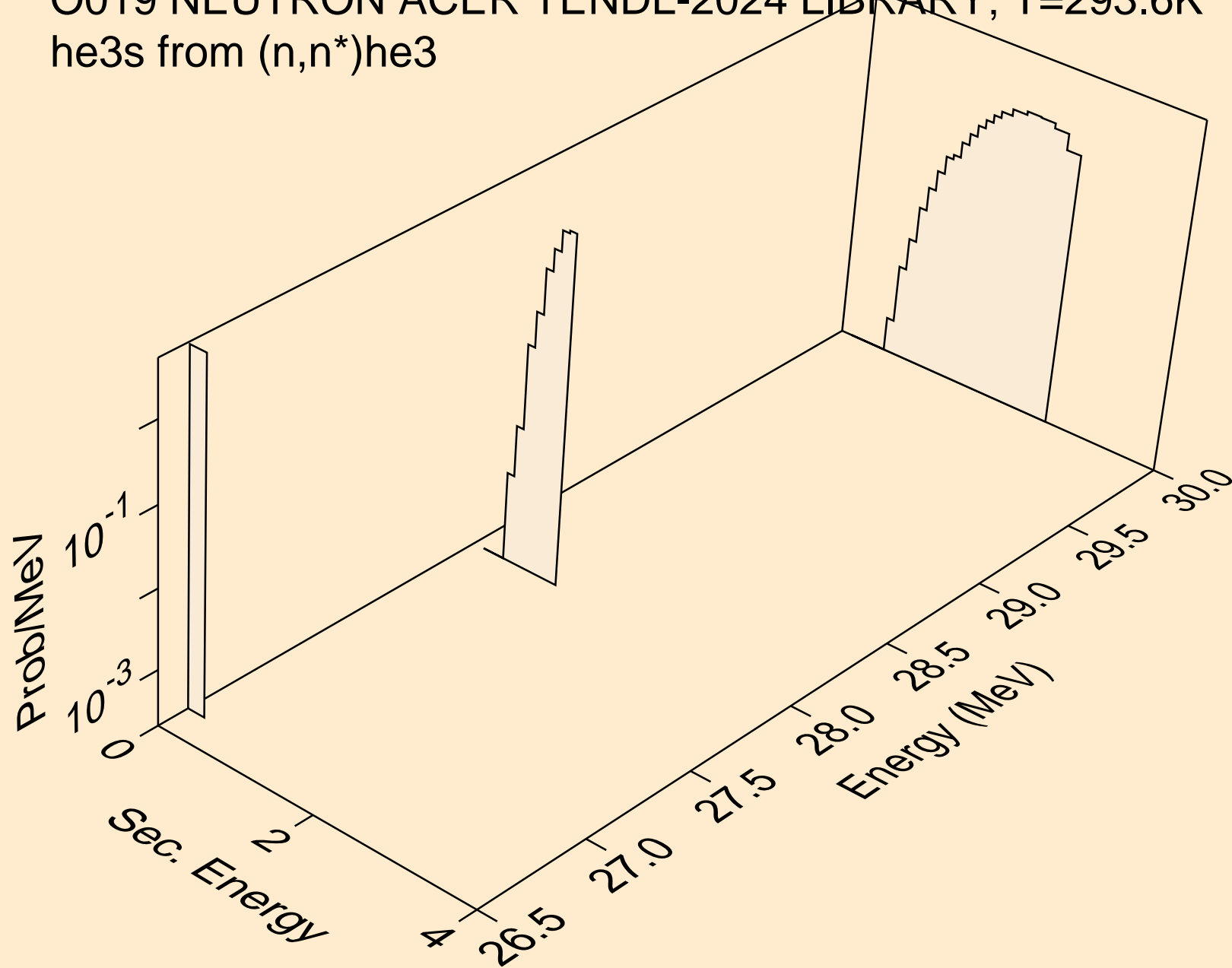


O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
he3s from (n,x)

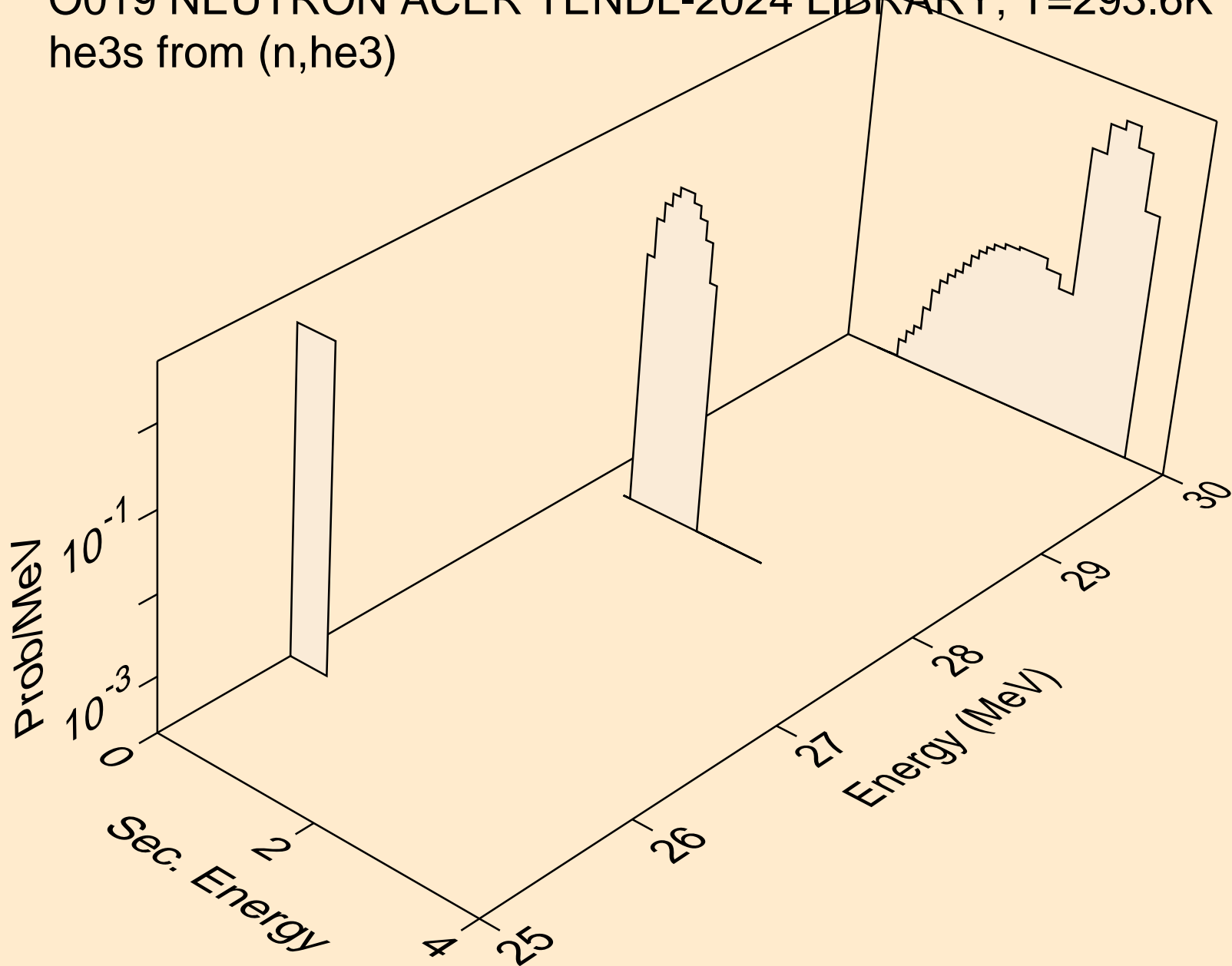




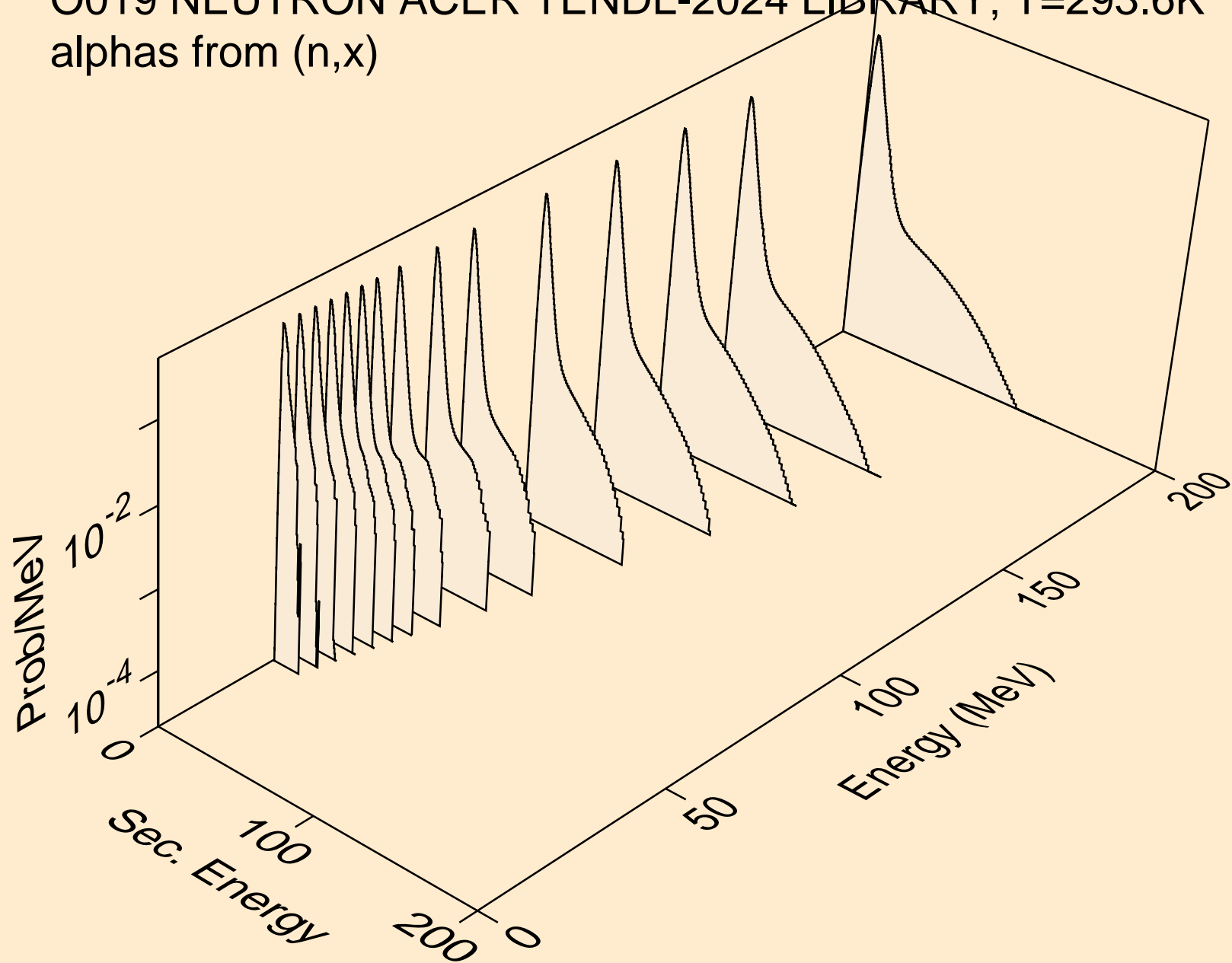
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he3s from (n,n\*)he3



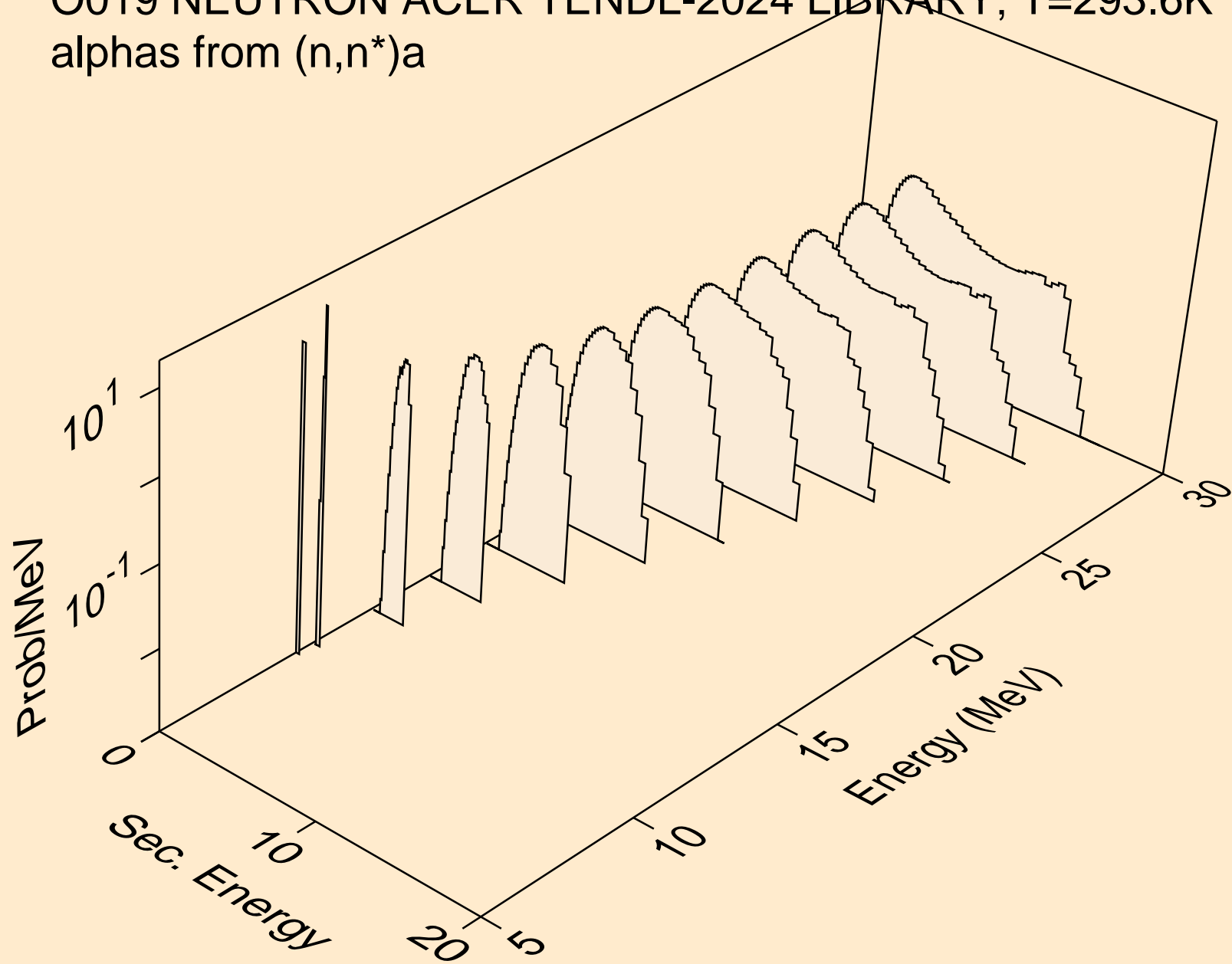
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he3s from (n,he3)



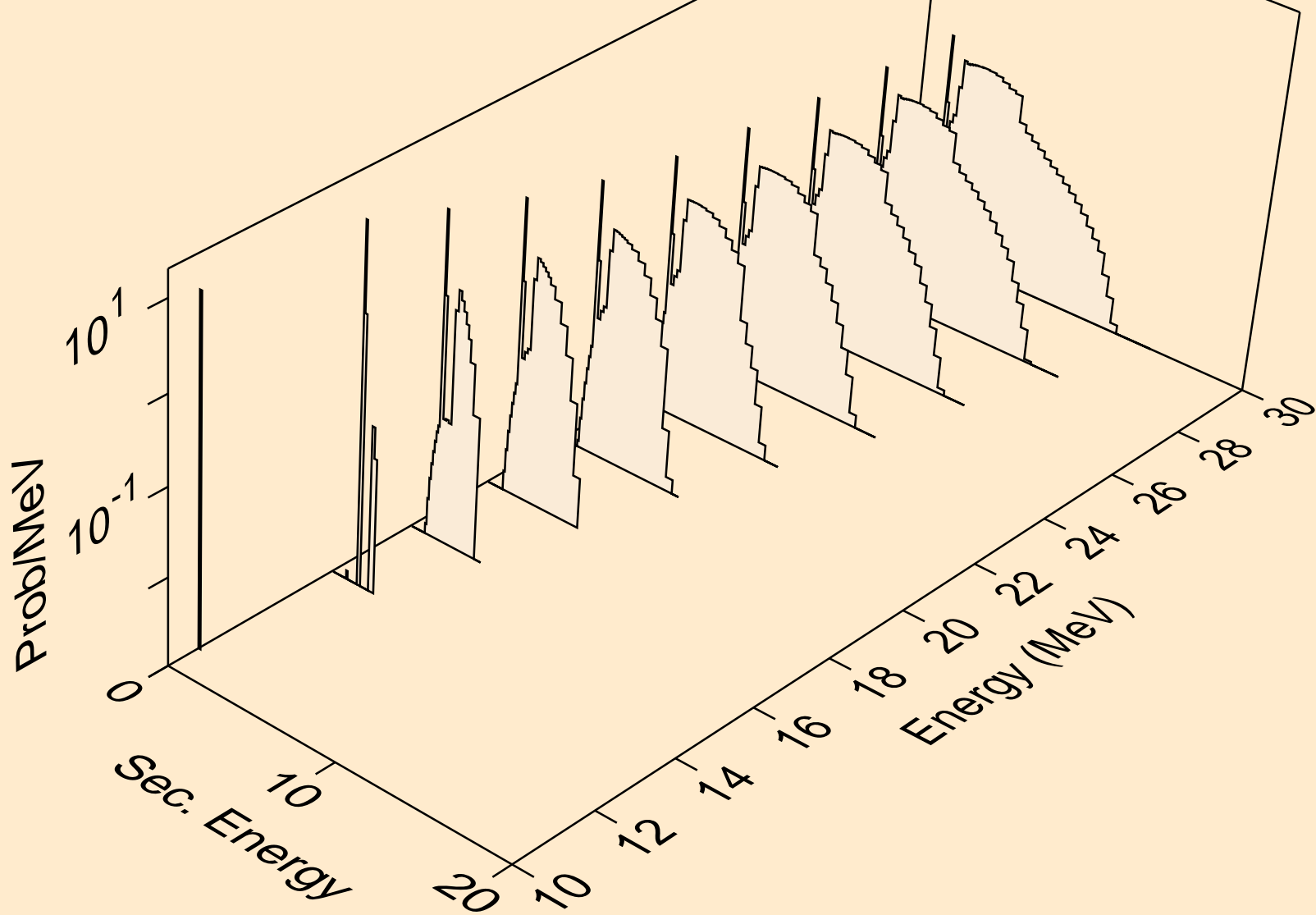
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alphas from (n,x)



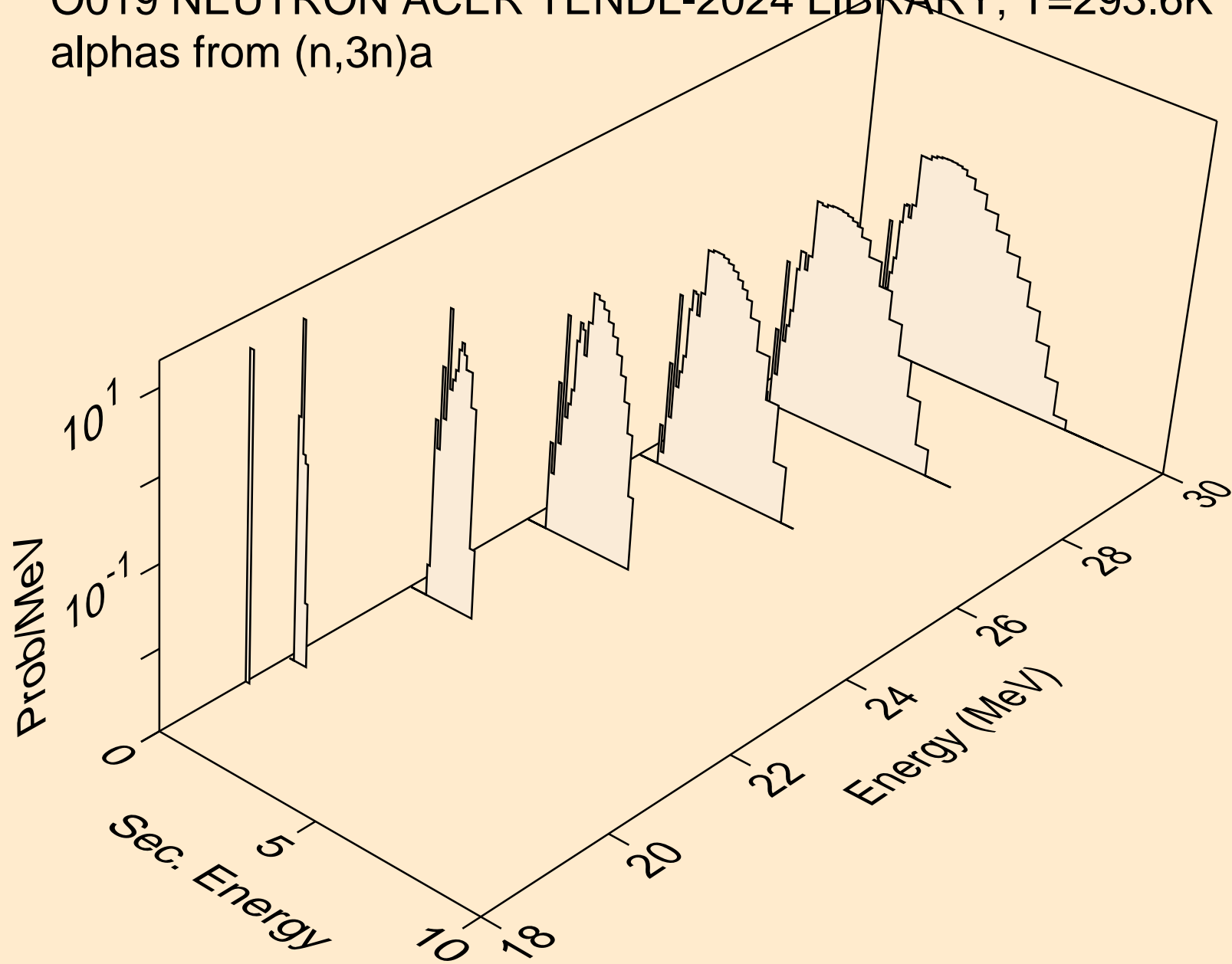
O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,n\*)a



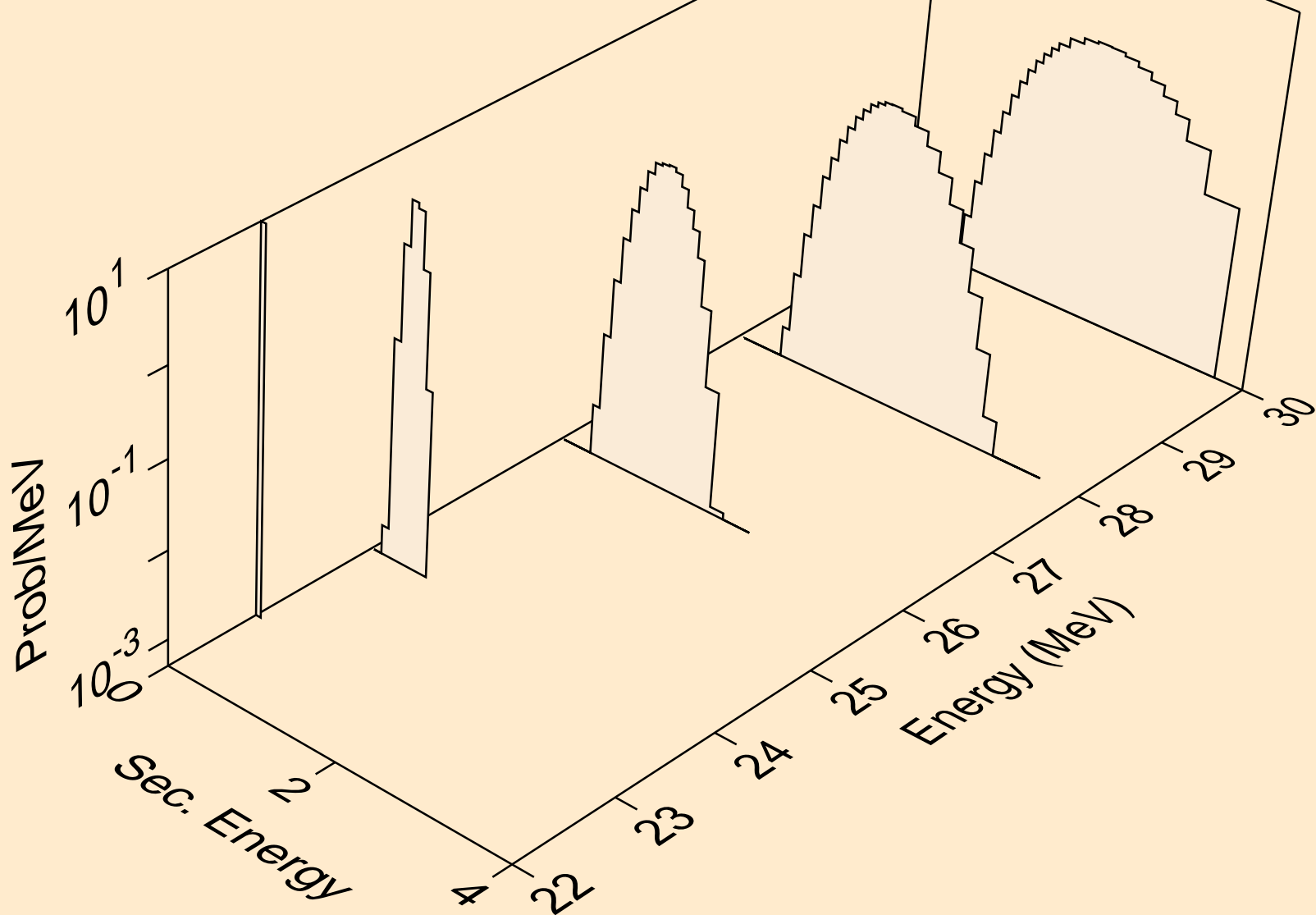
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alphas from (n,2n)a



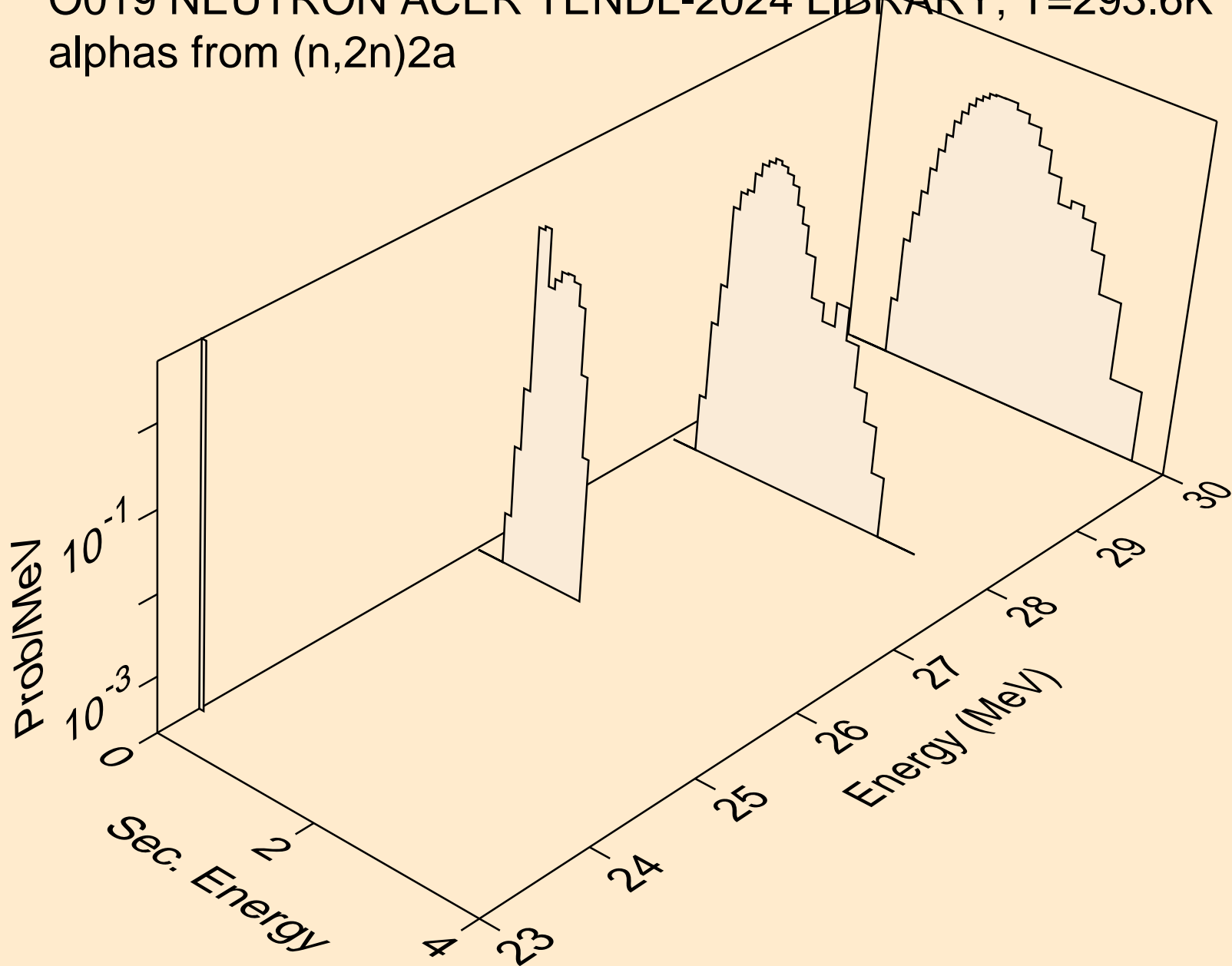
O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,3n)a



O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,n\*)2a

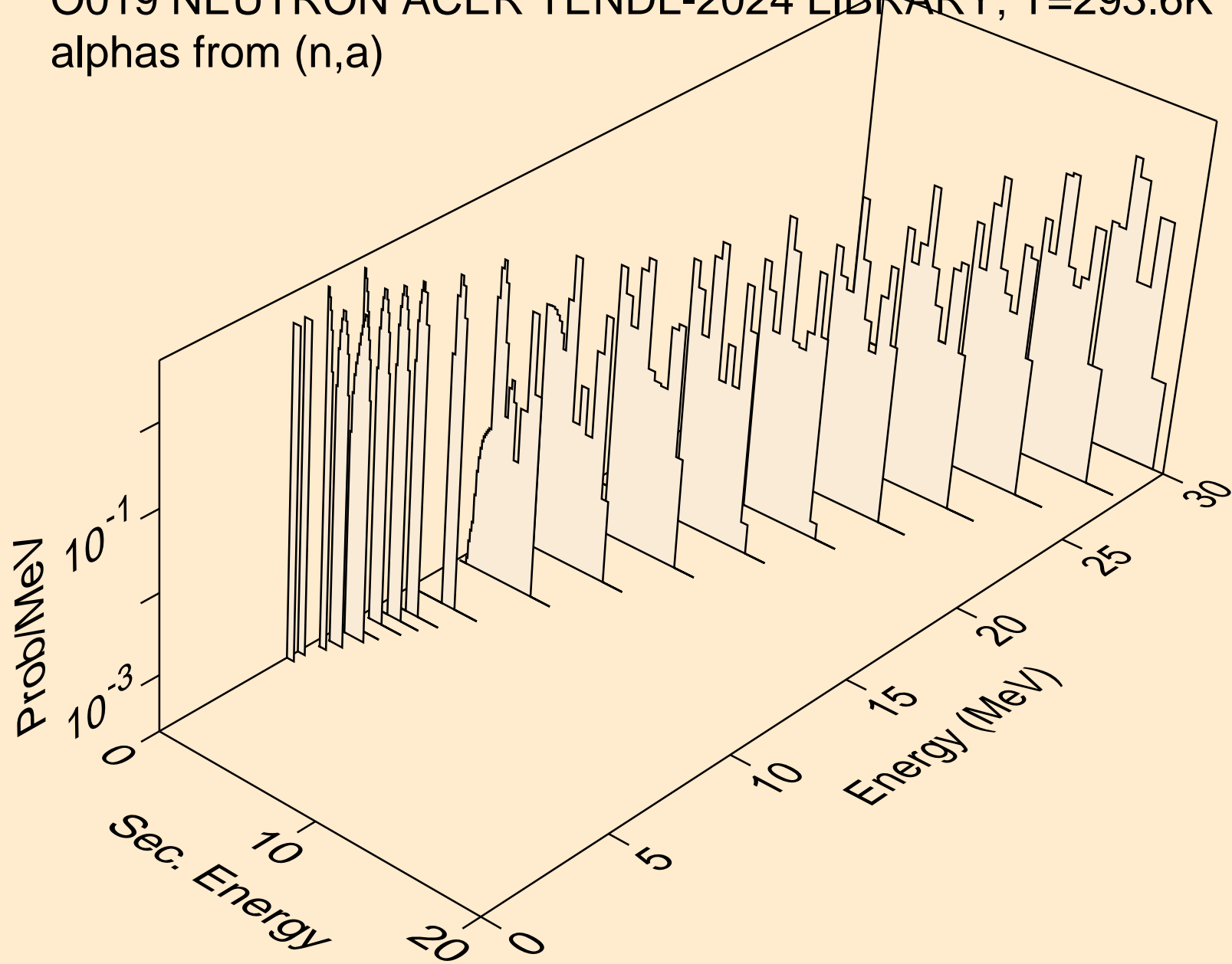


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alphas from (n,2n)2a





O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,a)



O019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,2a)

