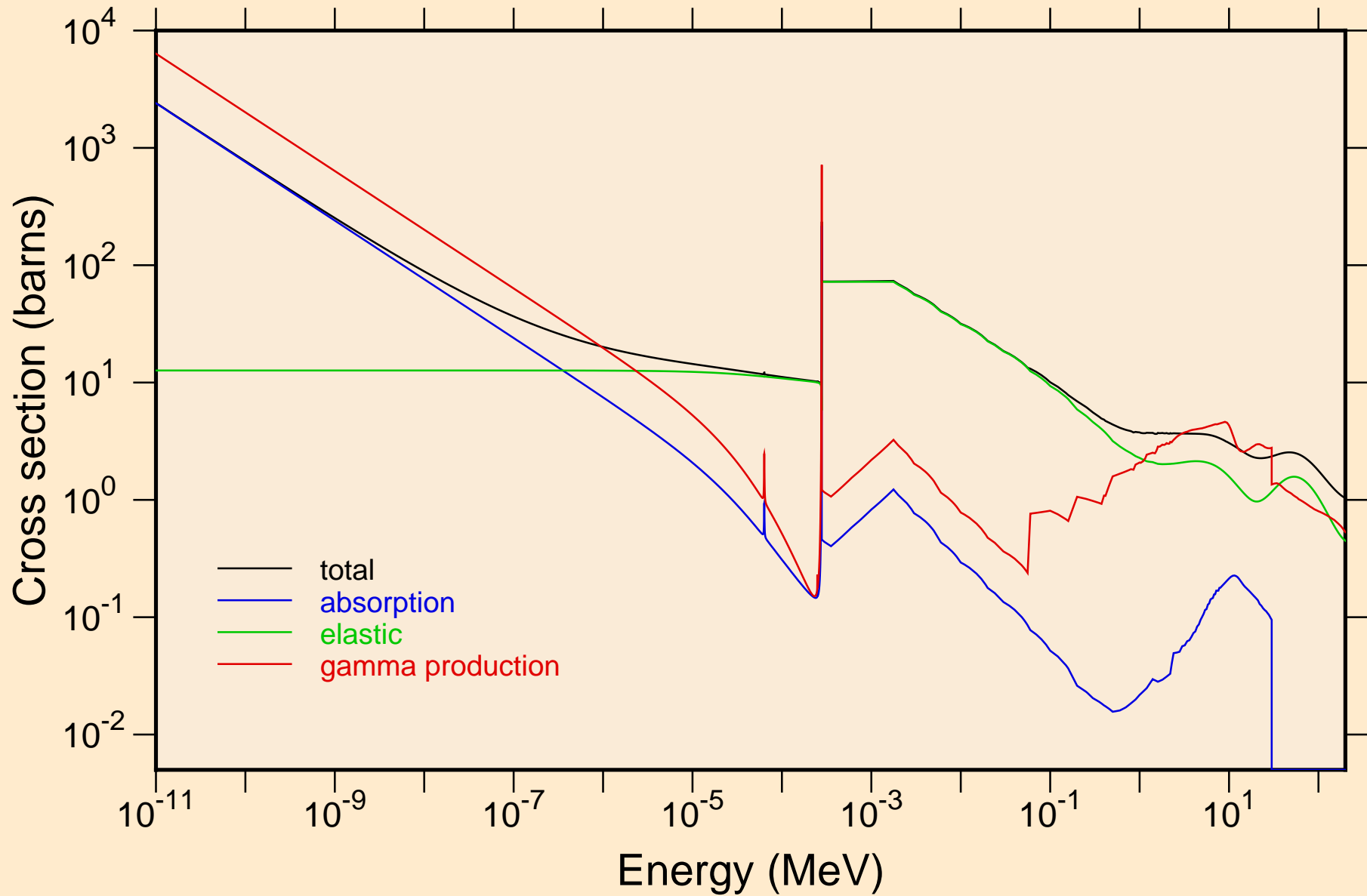


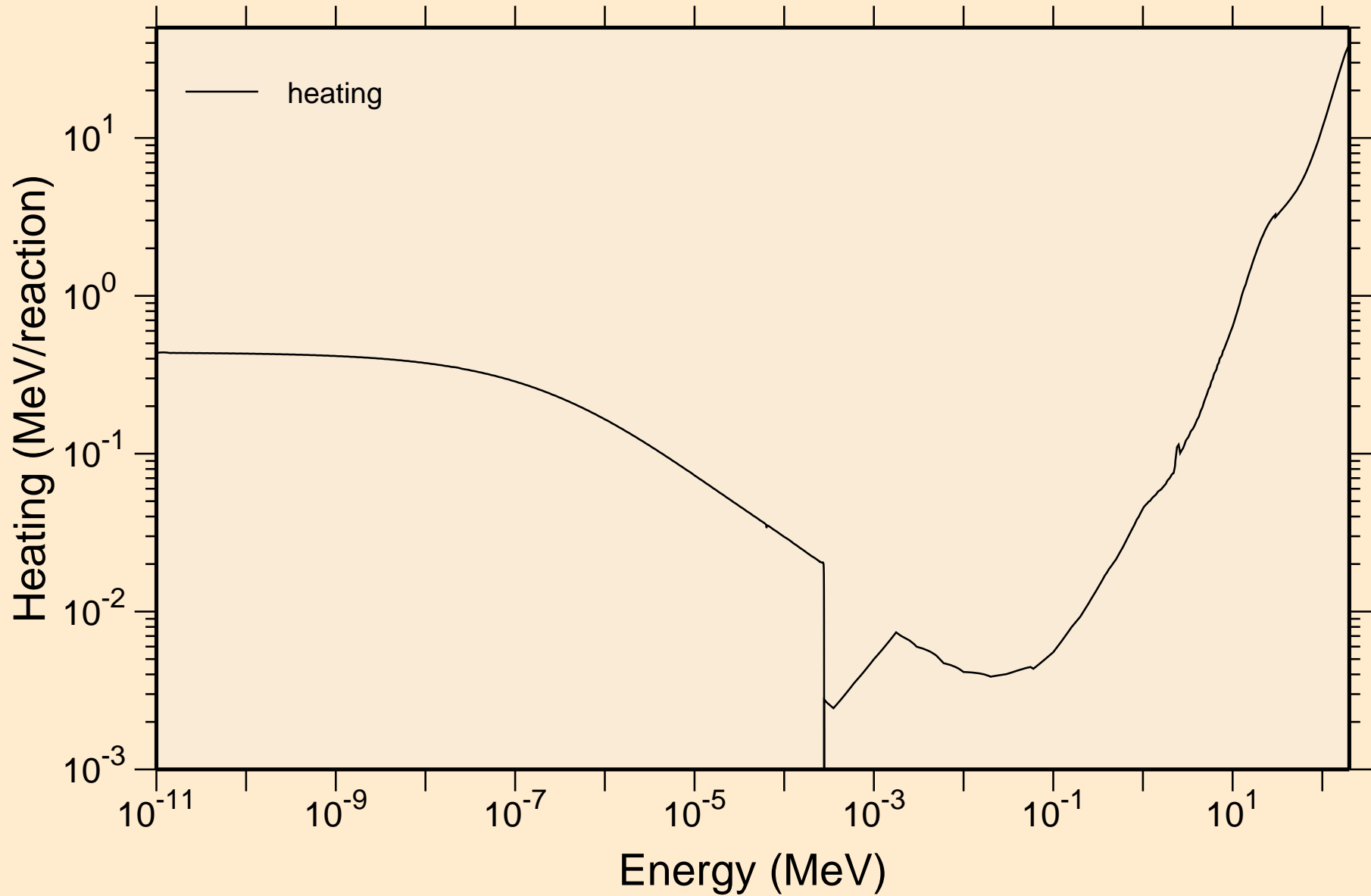
# MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



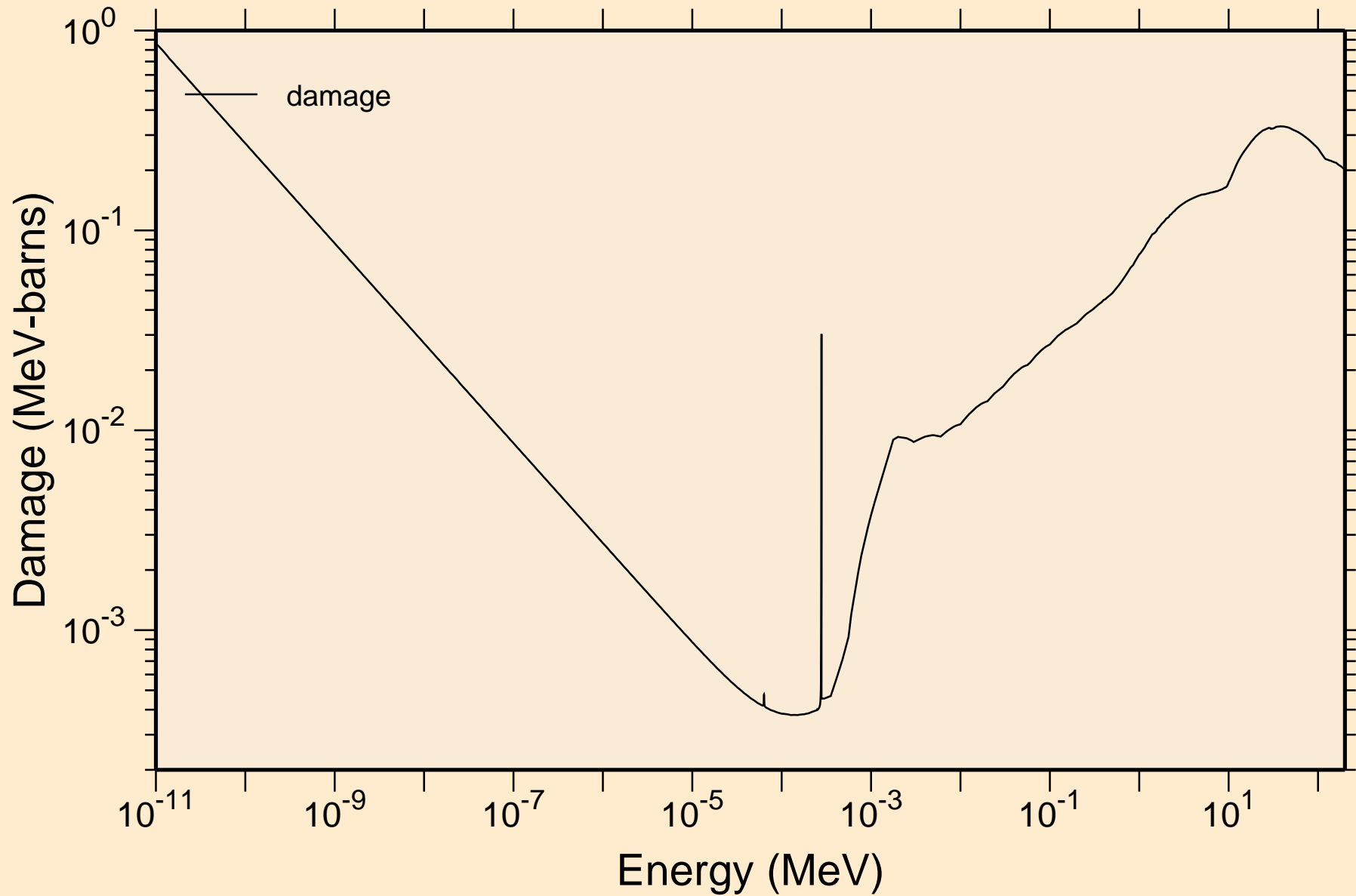
# MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

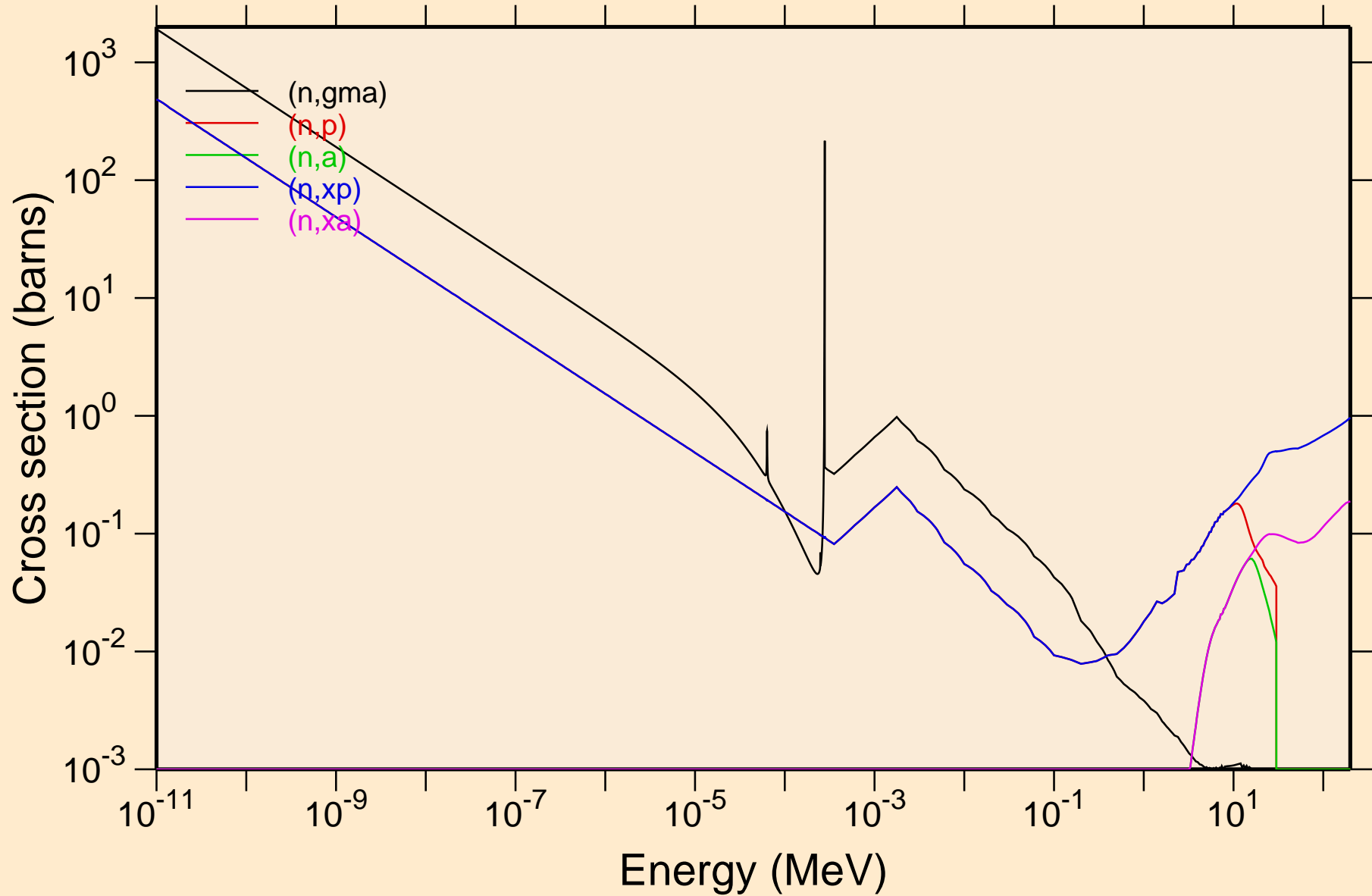


# MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage

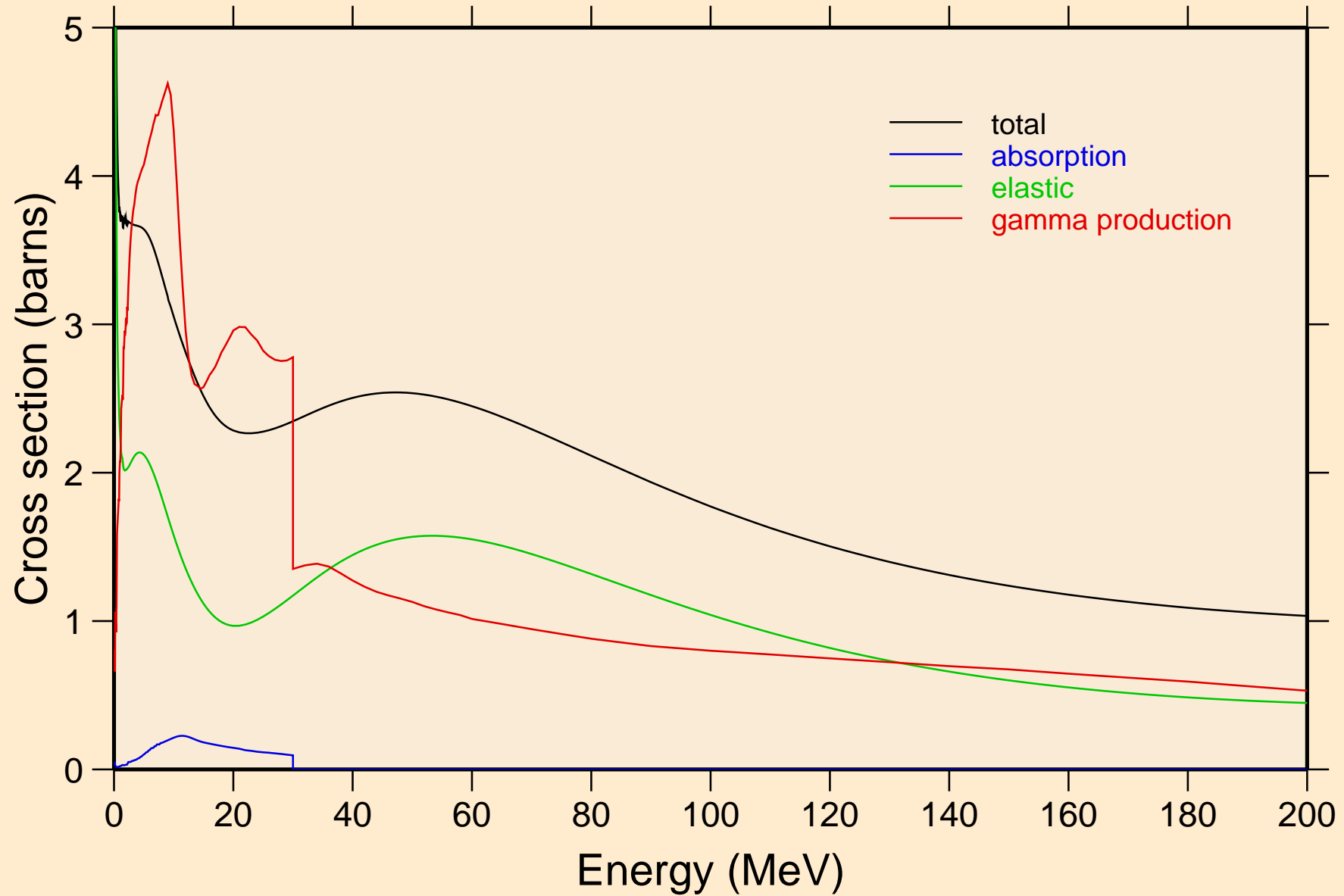


MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



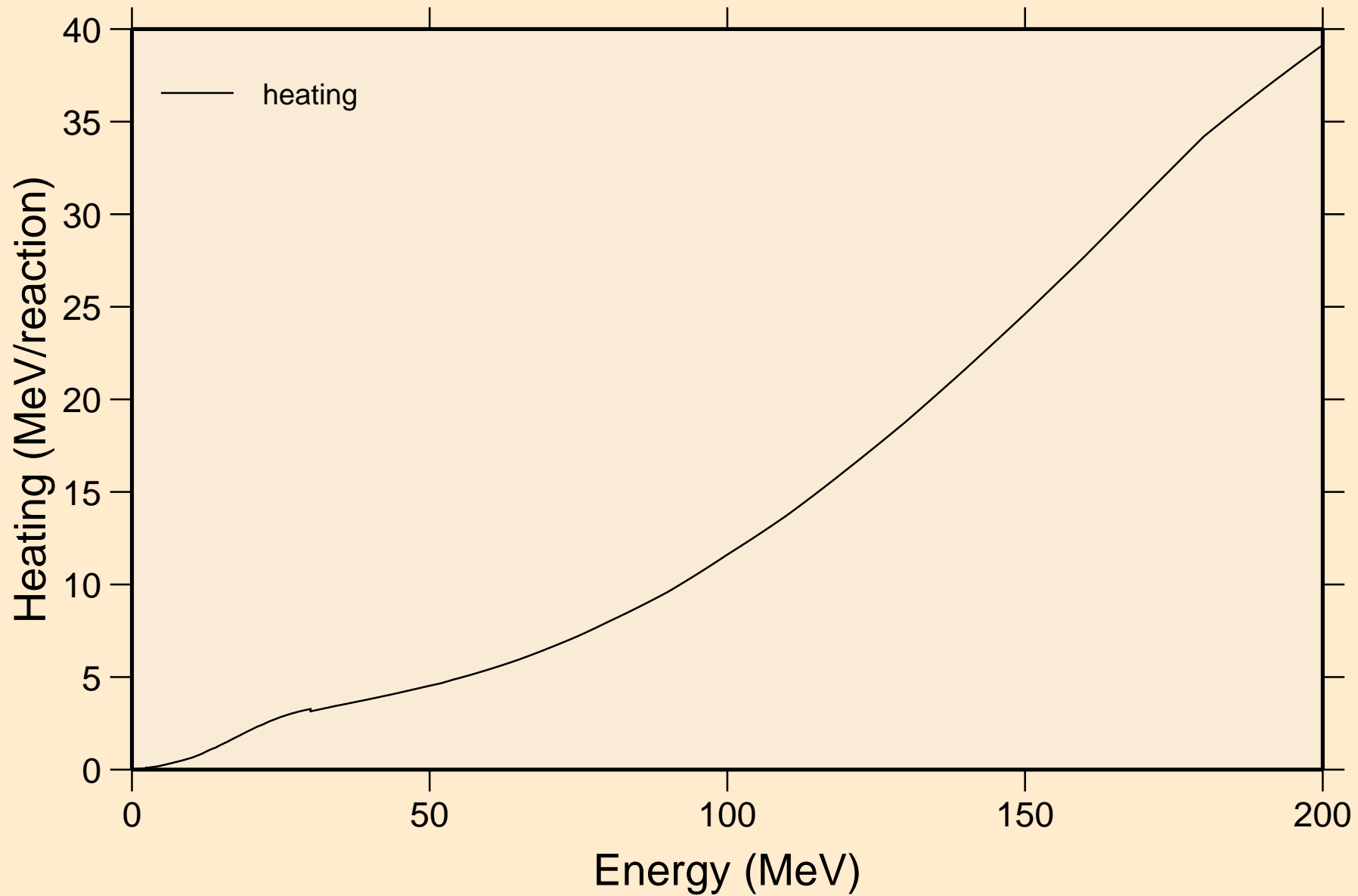
# MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



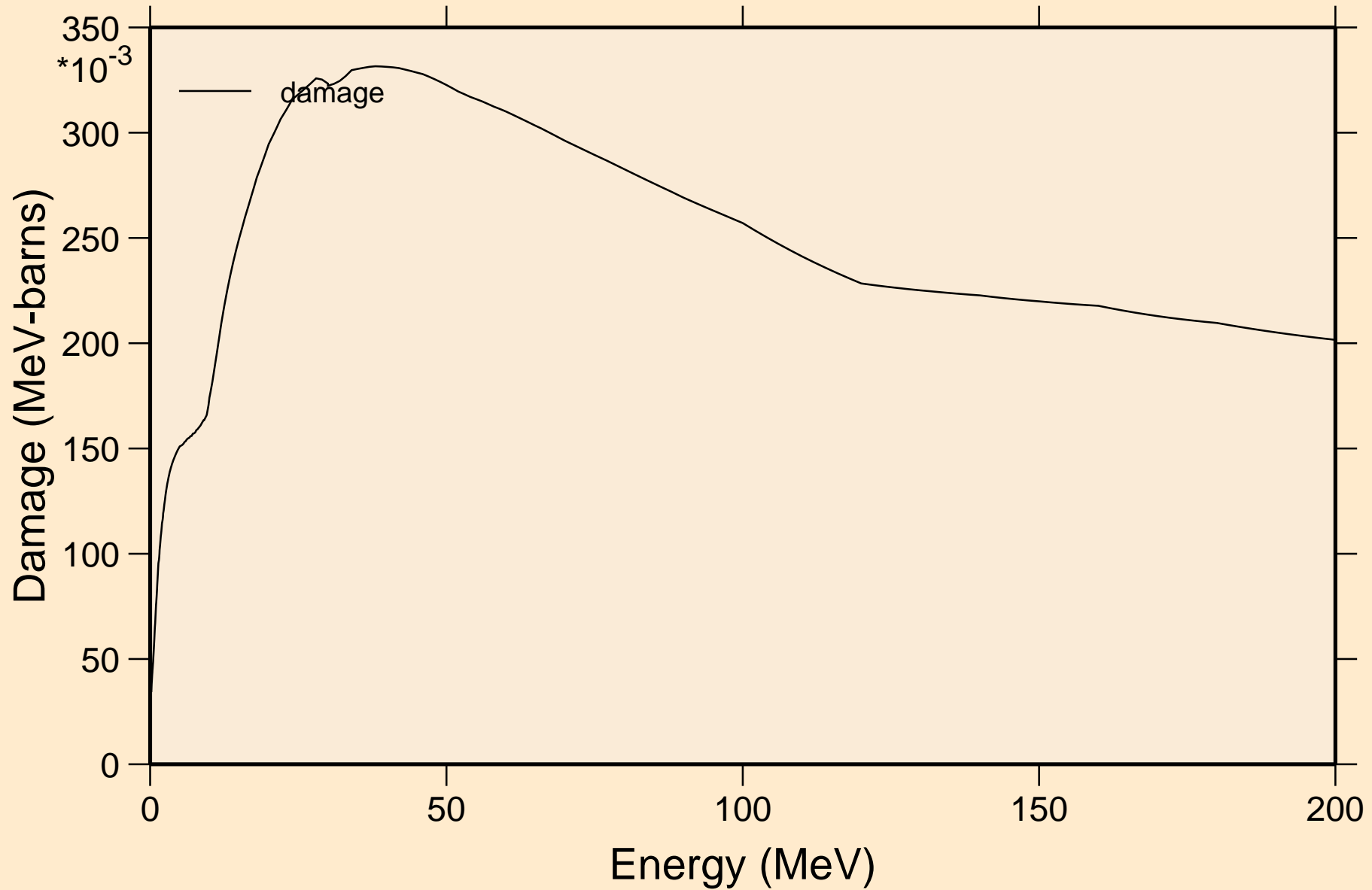
# MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

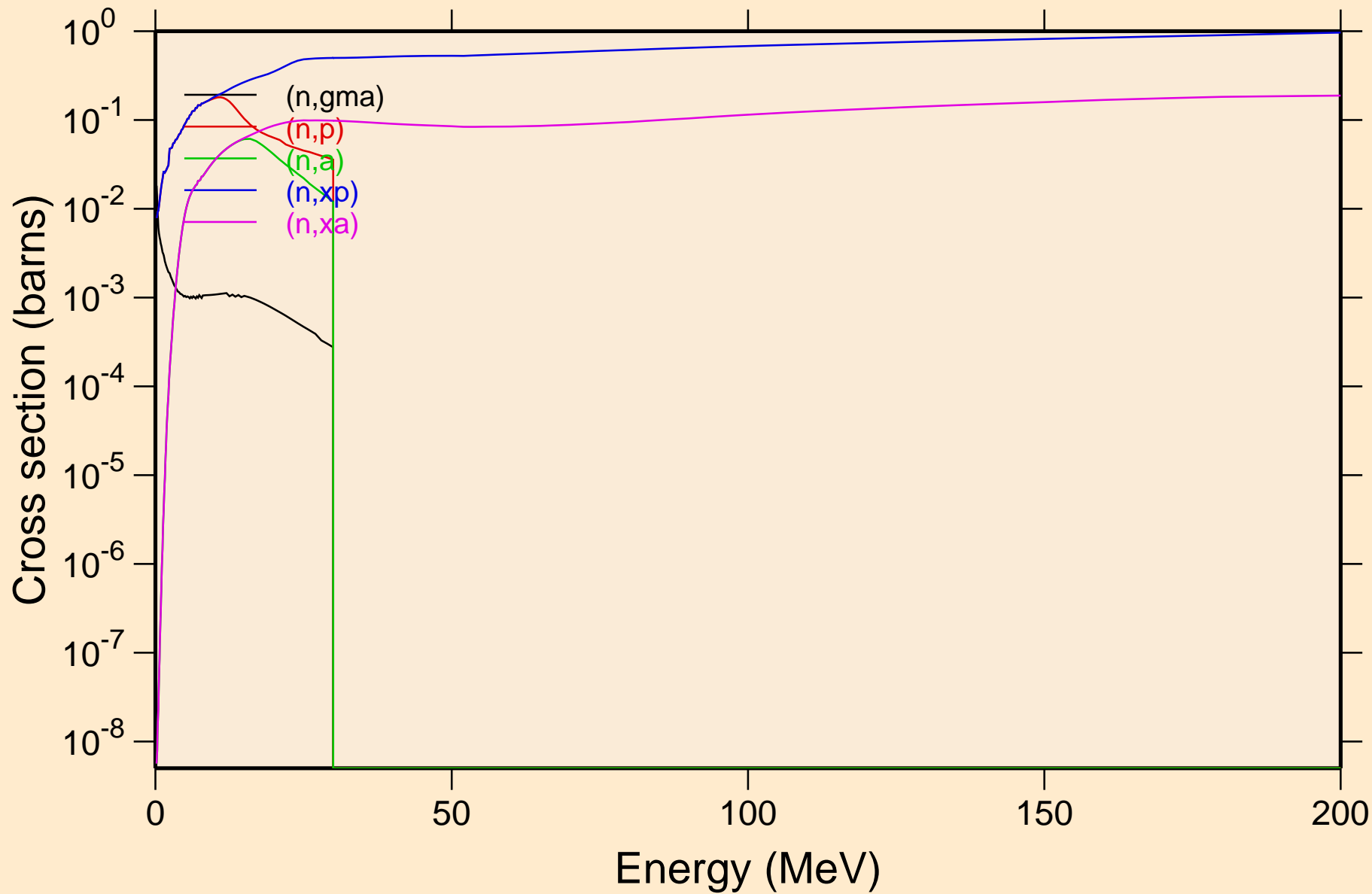


# MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage

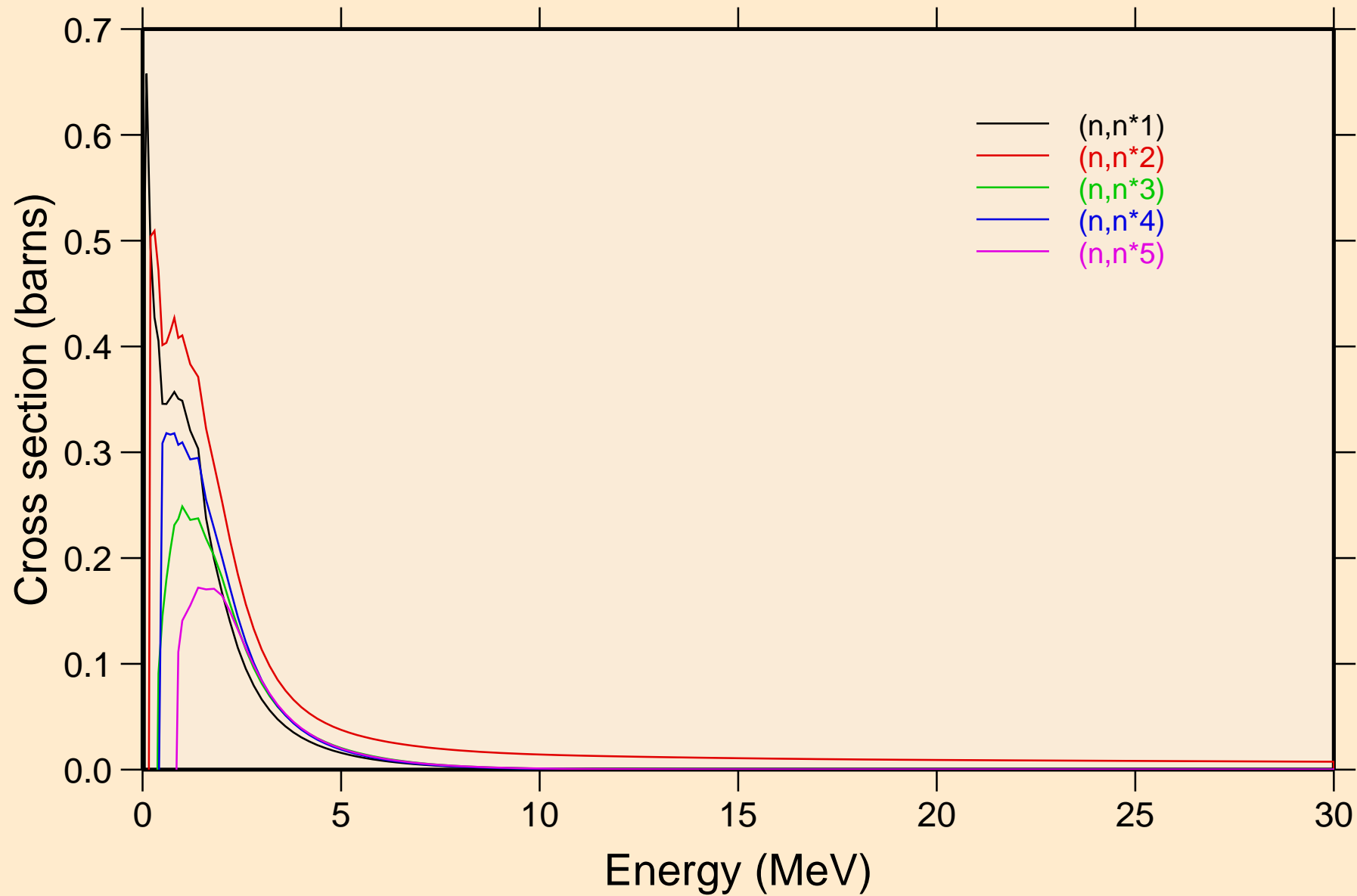


MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

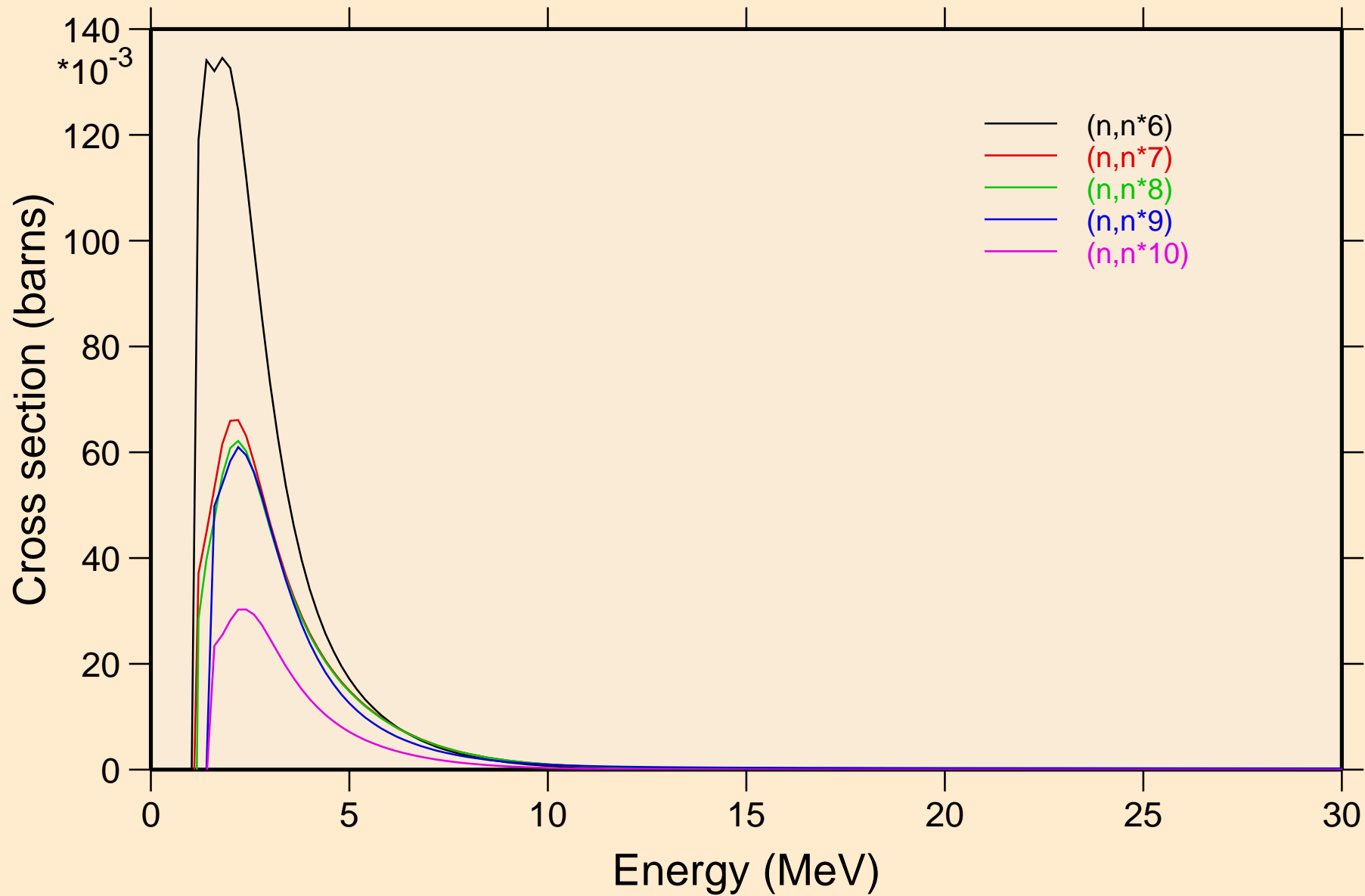




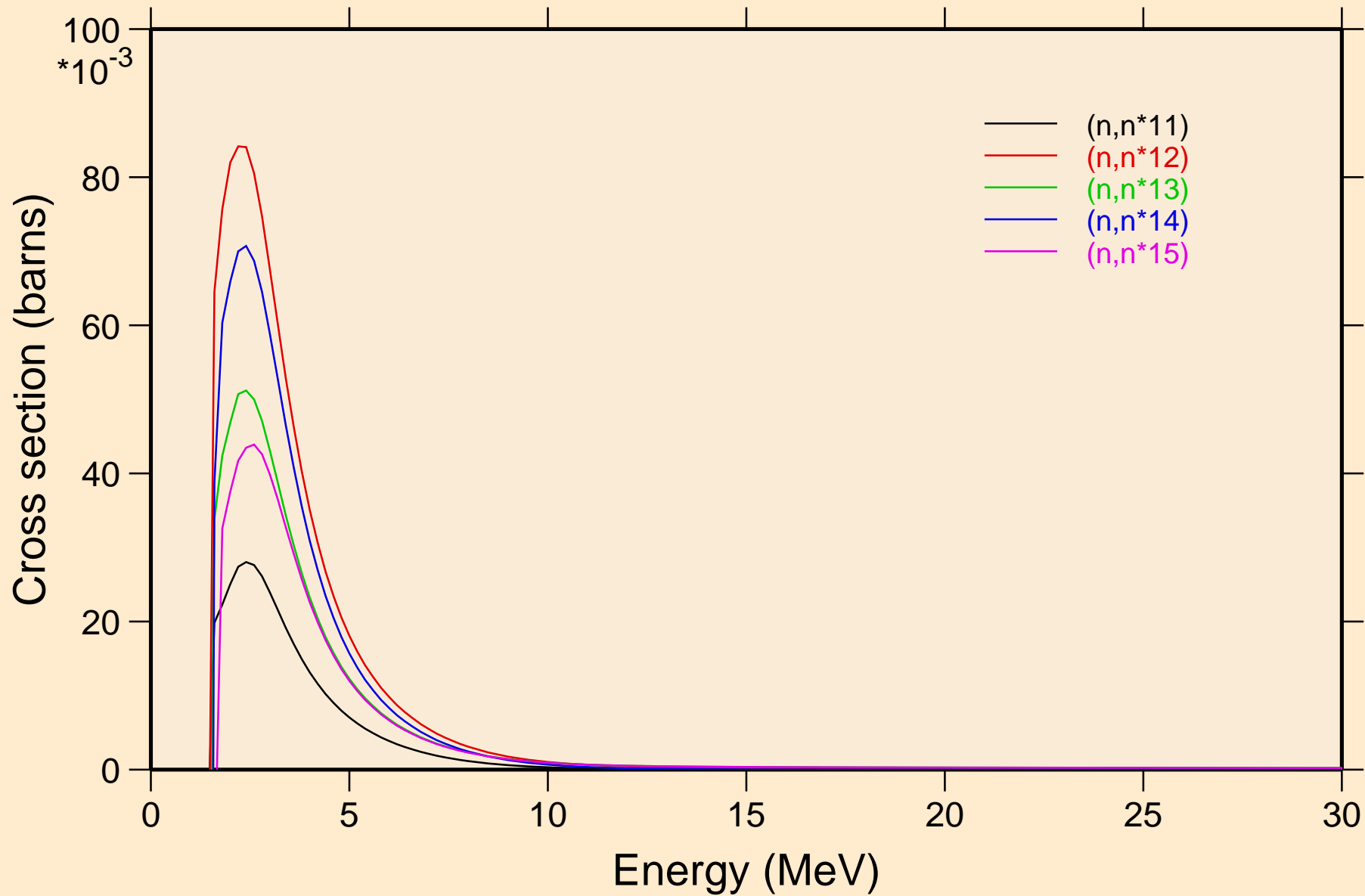
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



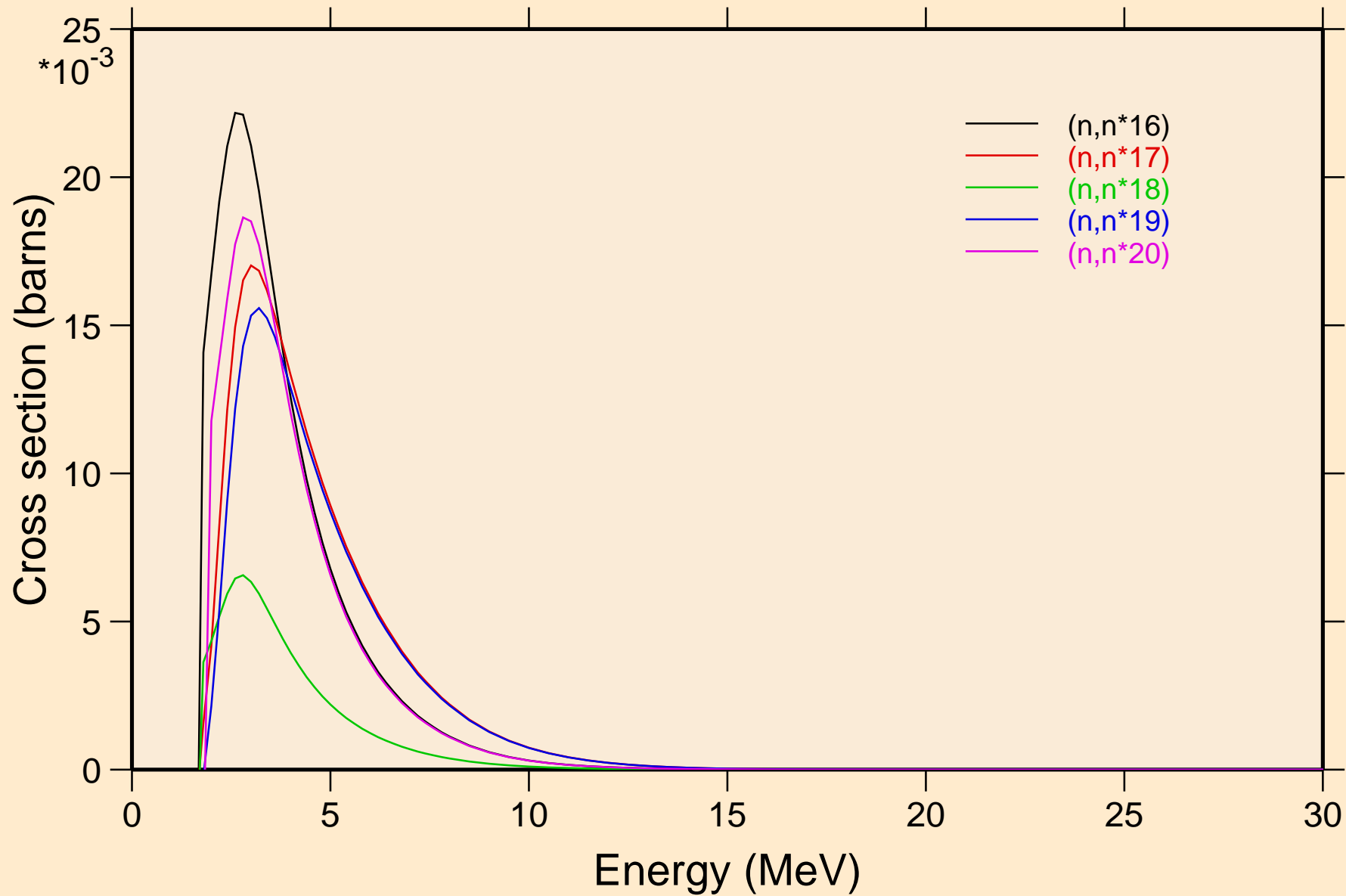
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



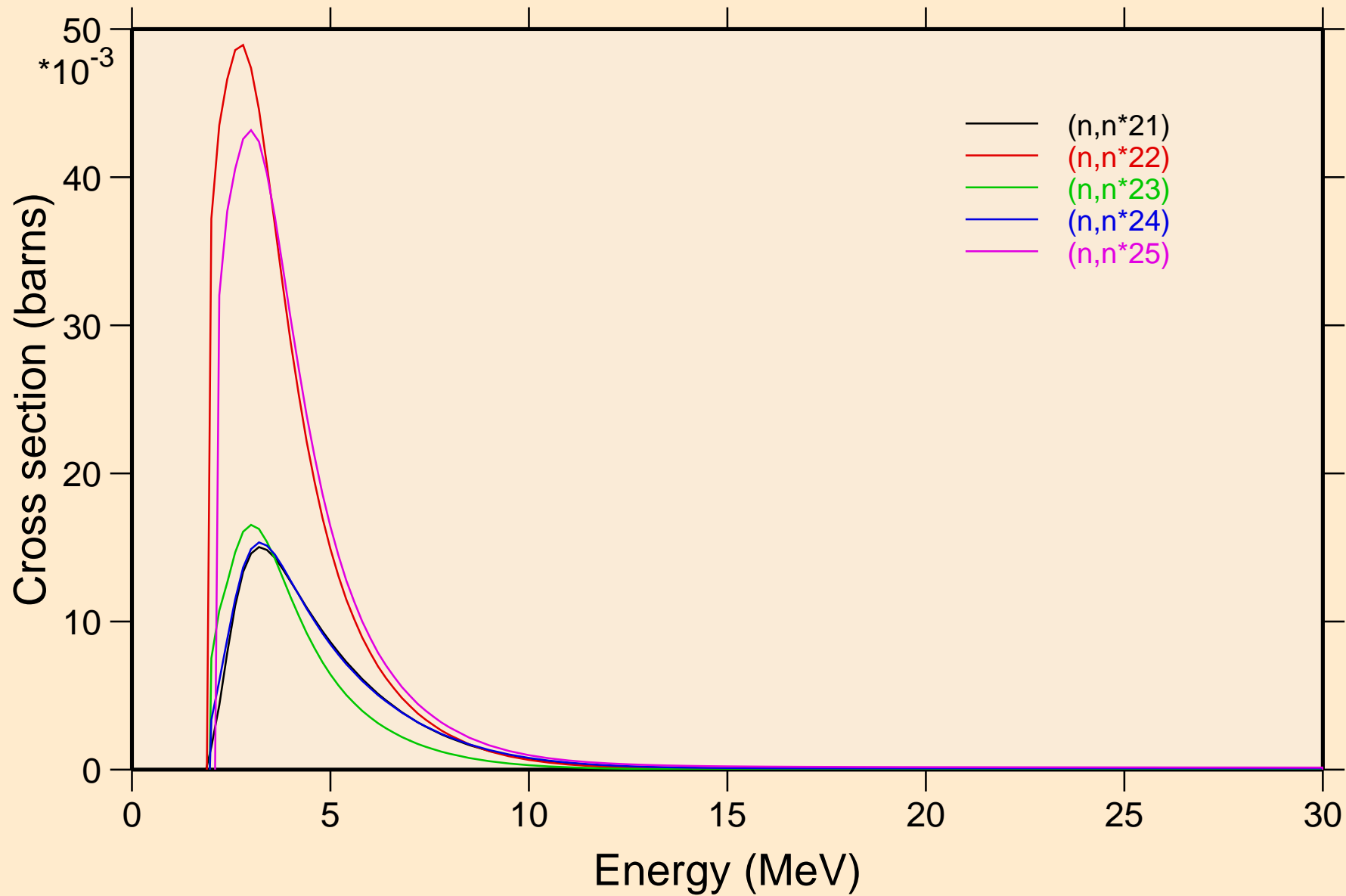
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Inelastic levels



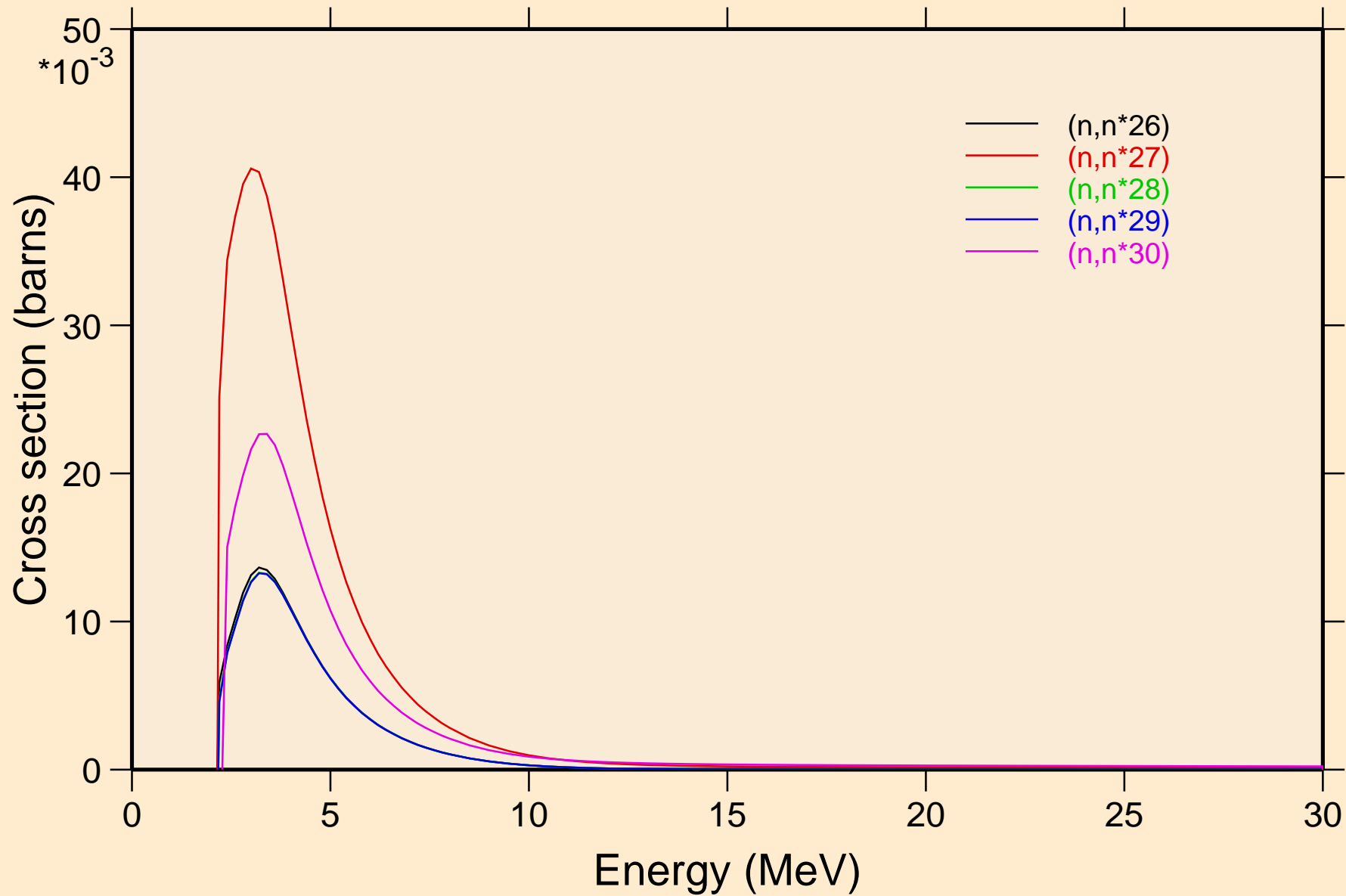
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

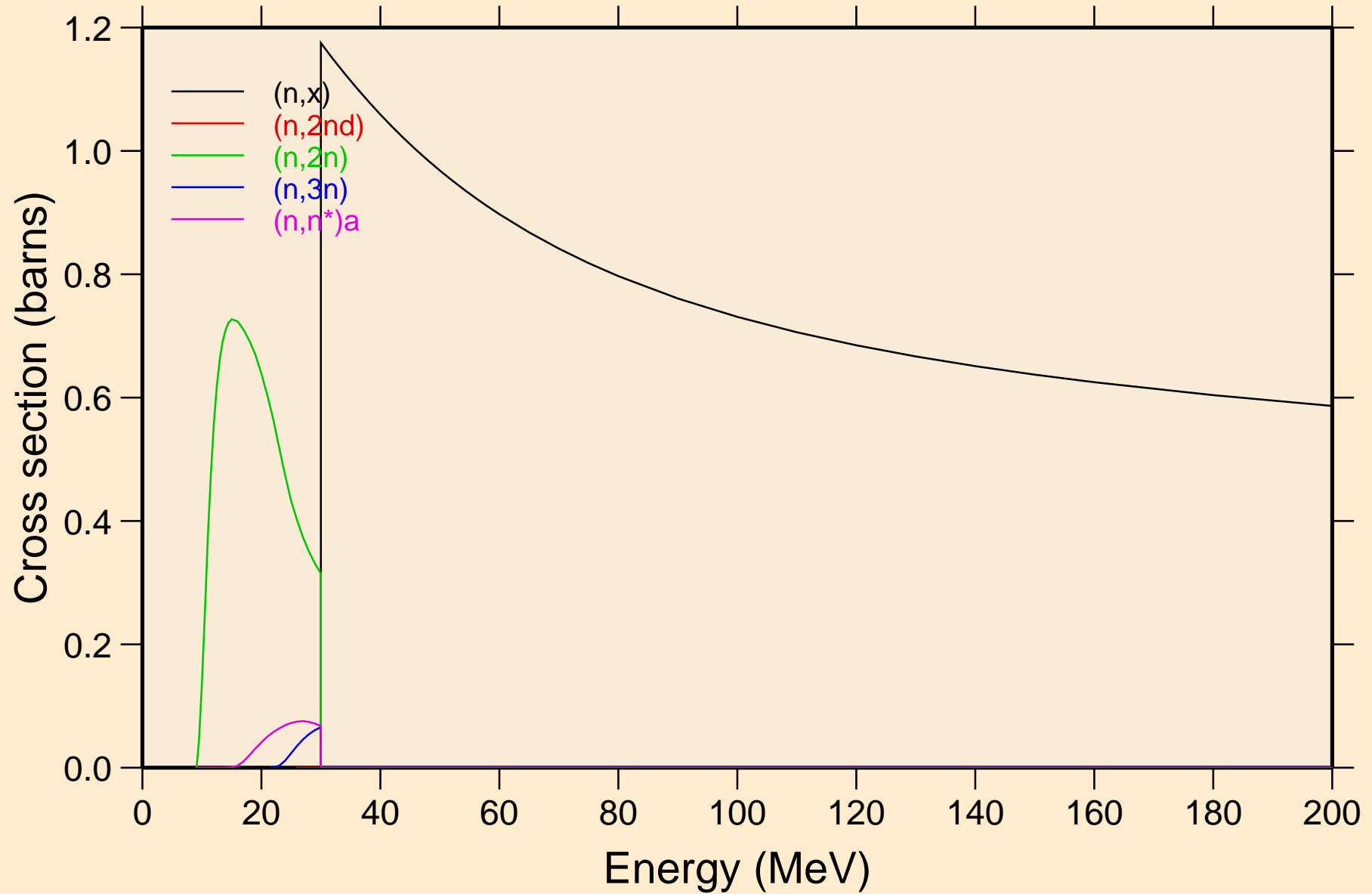


MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



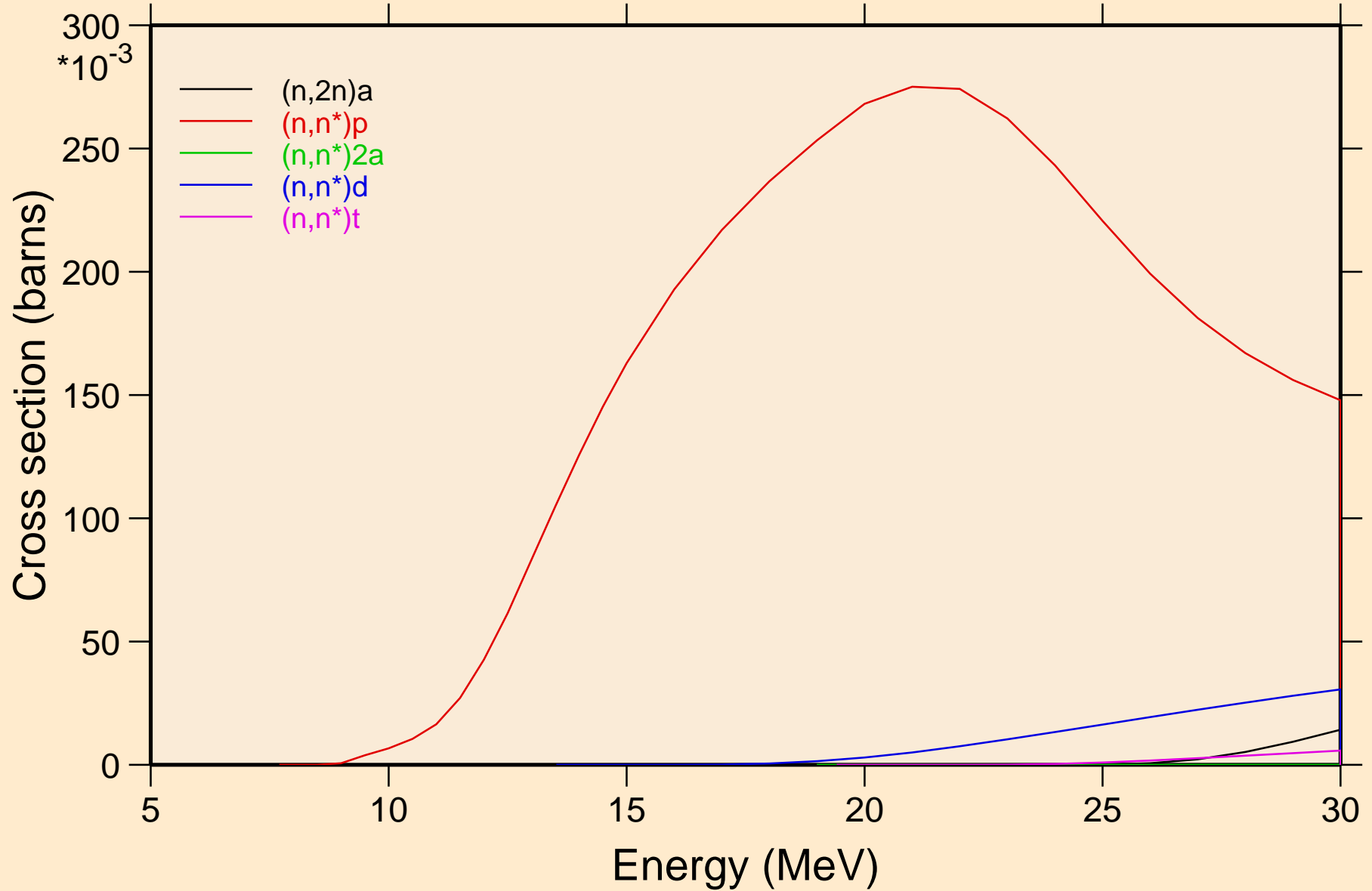
# MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



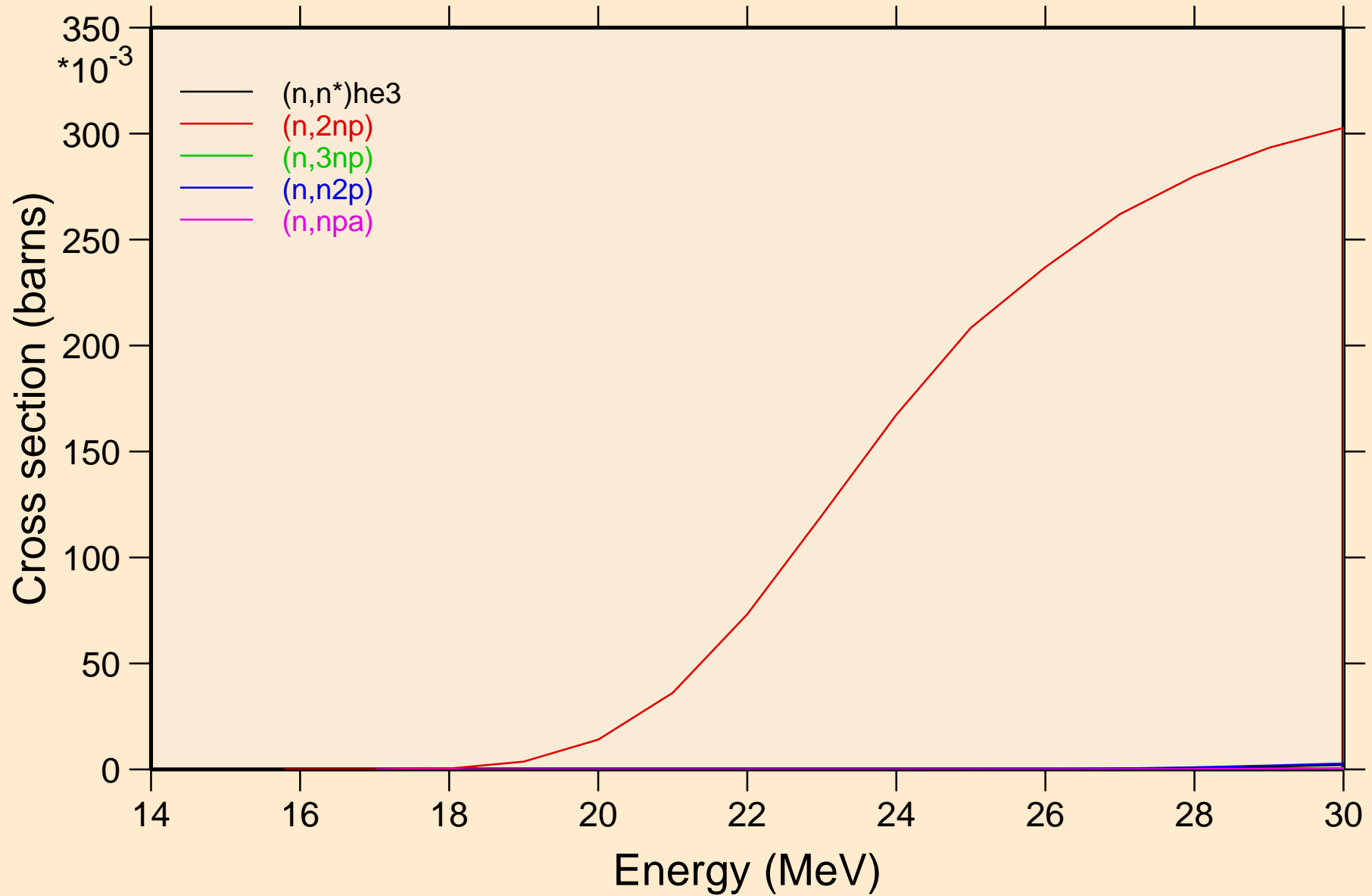
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## Threshold reactions

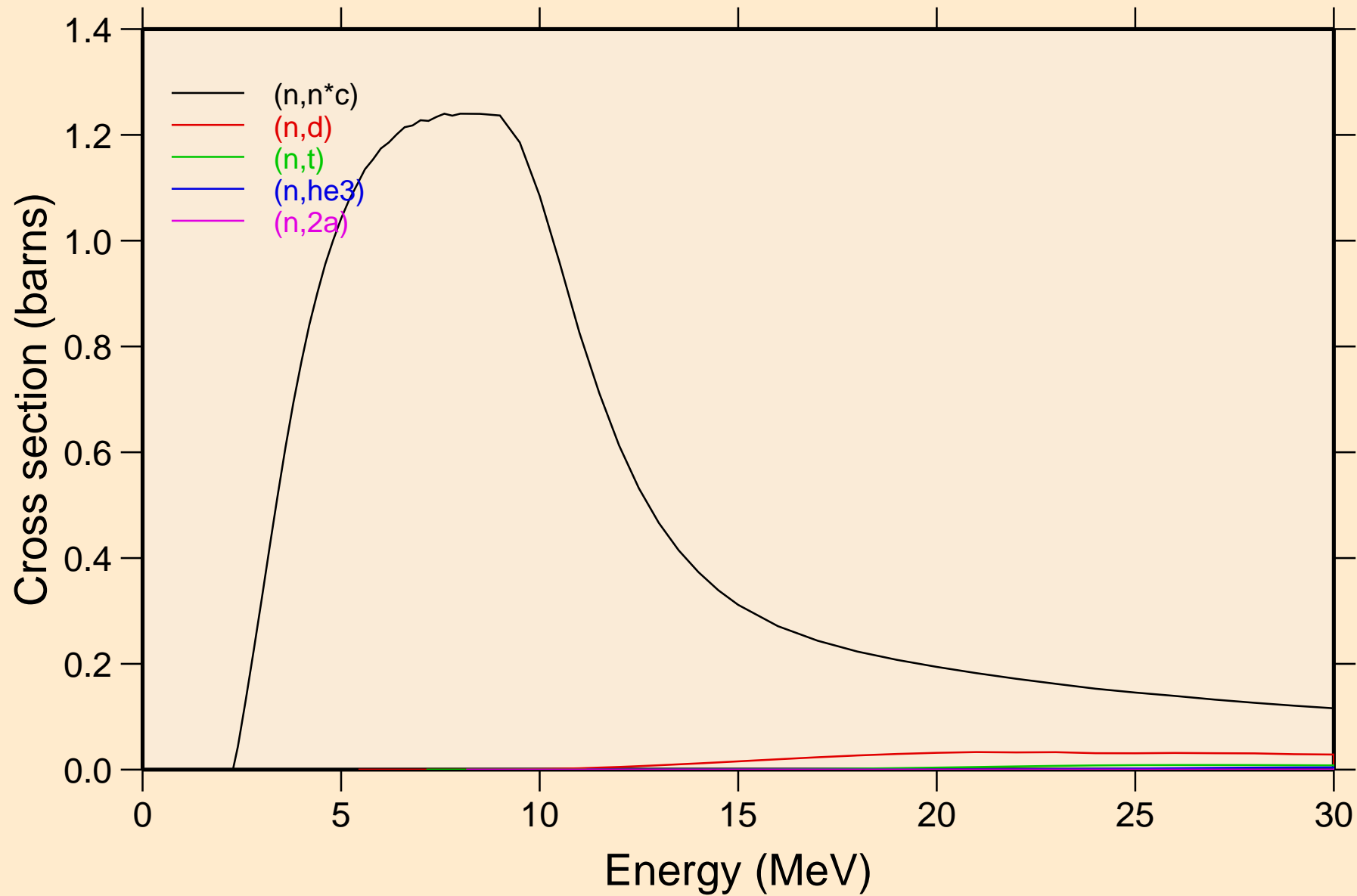




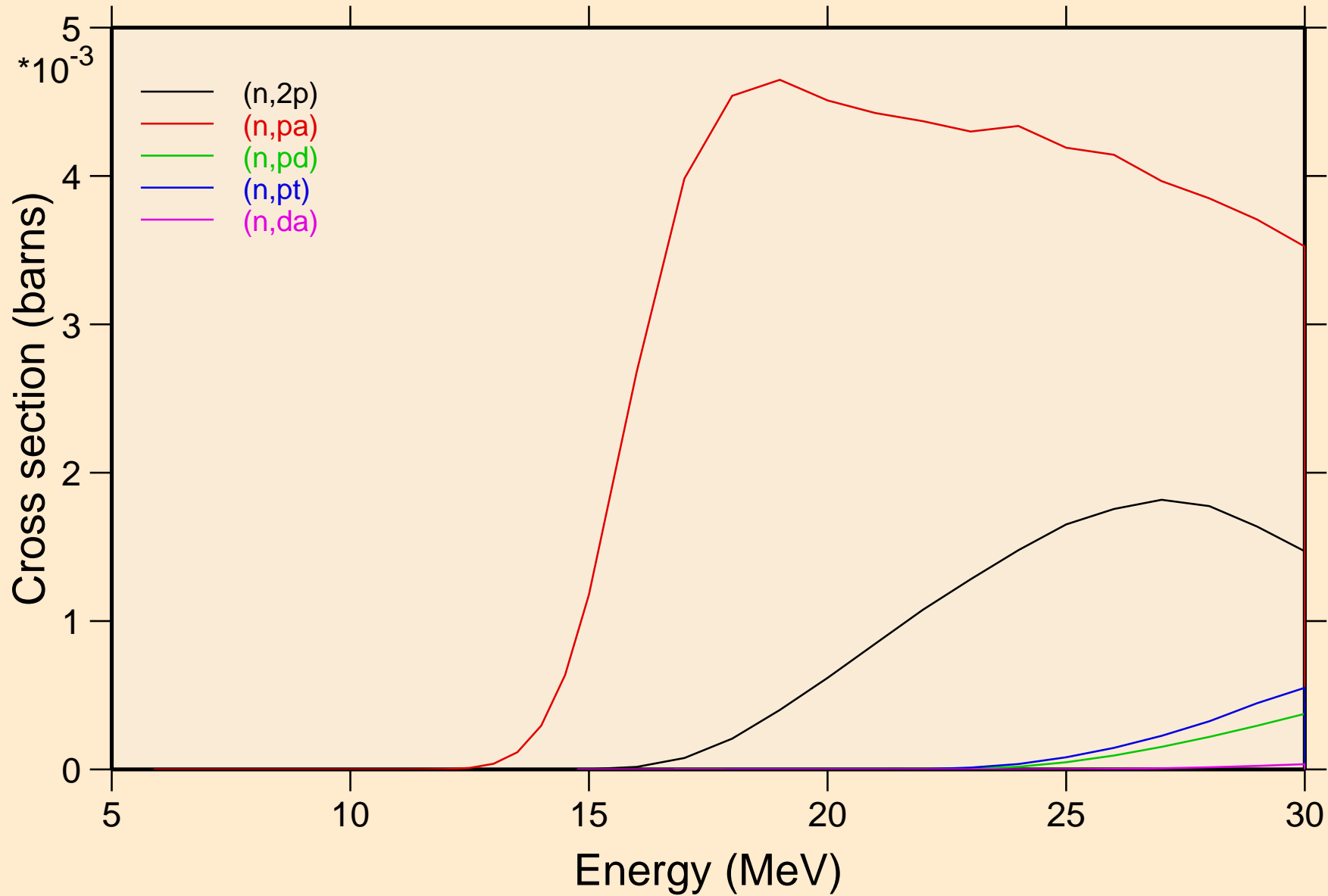
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

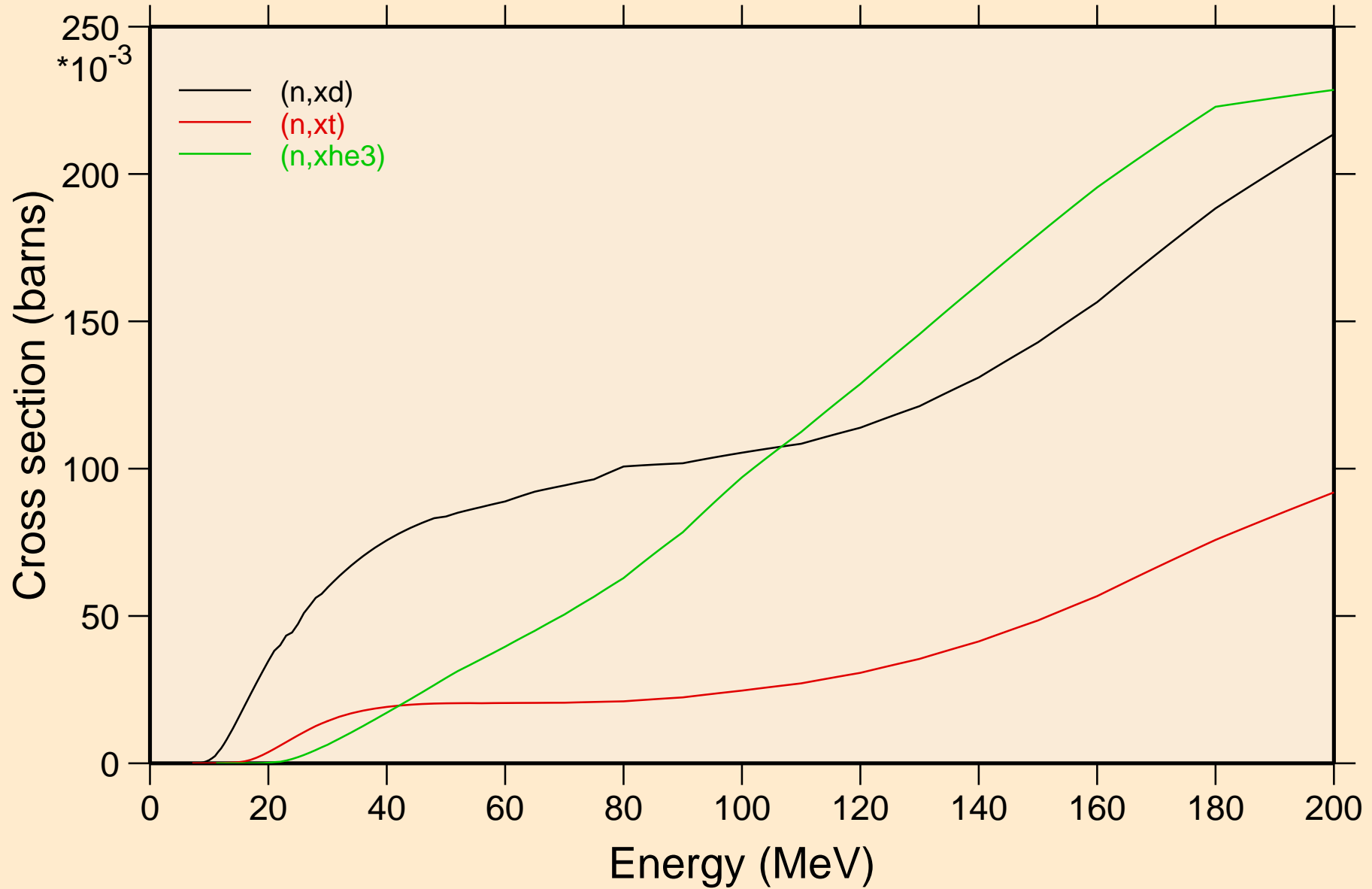


MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

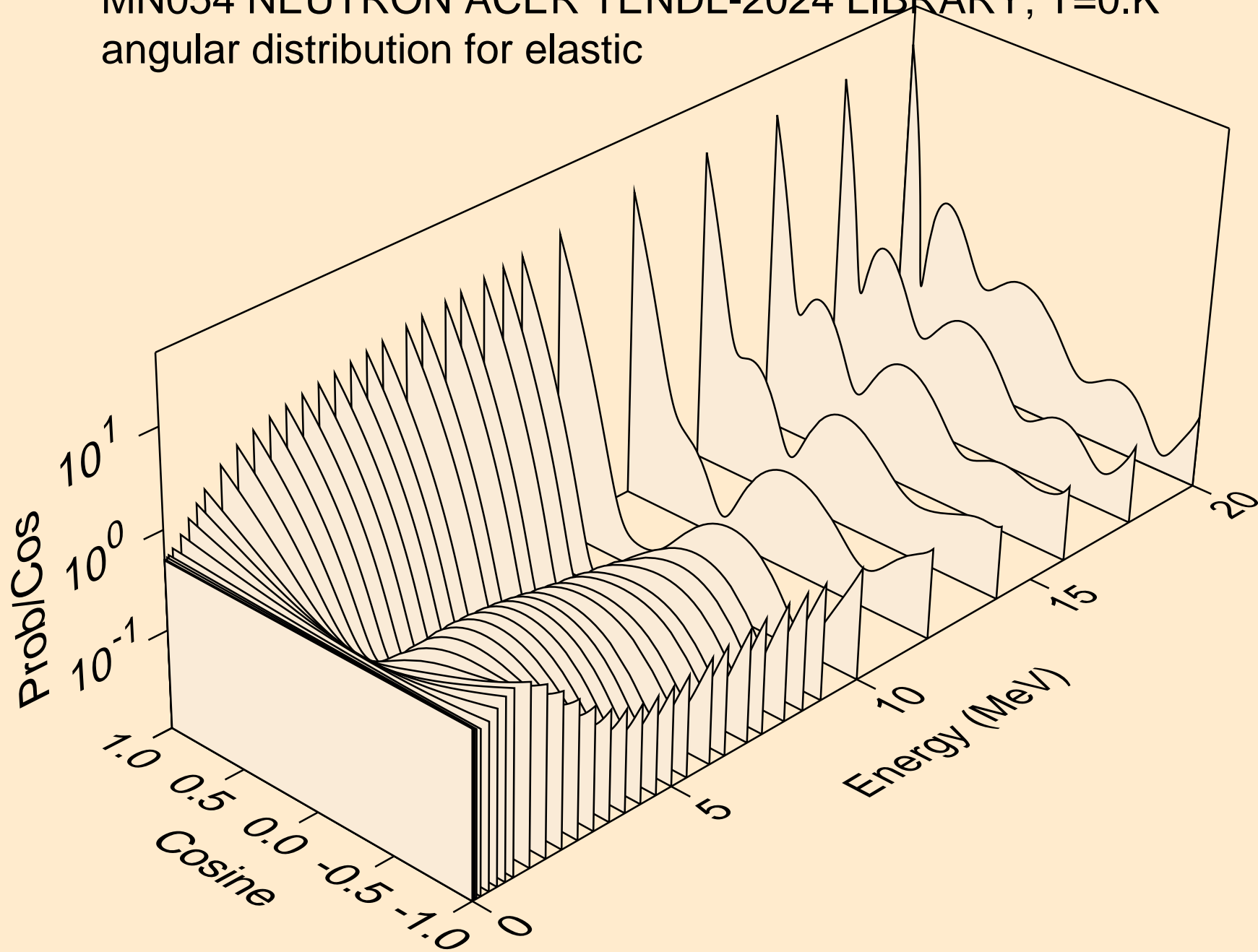


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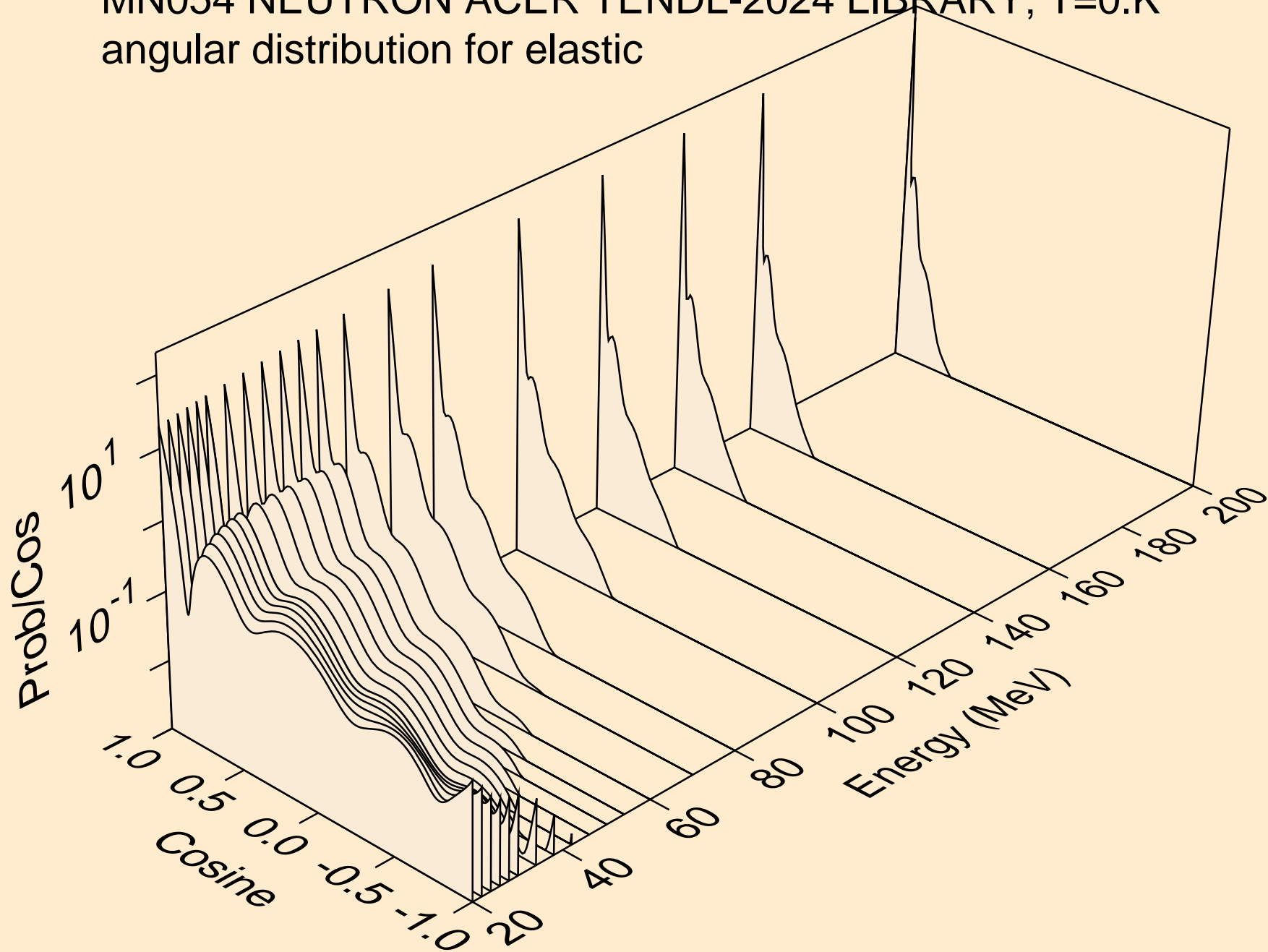
## Threshold reactions



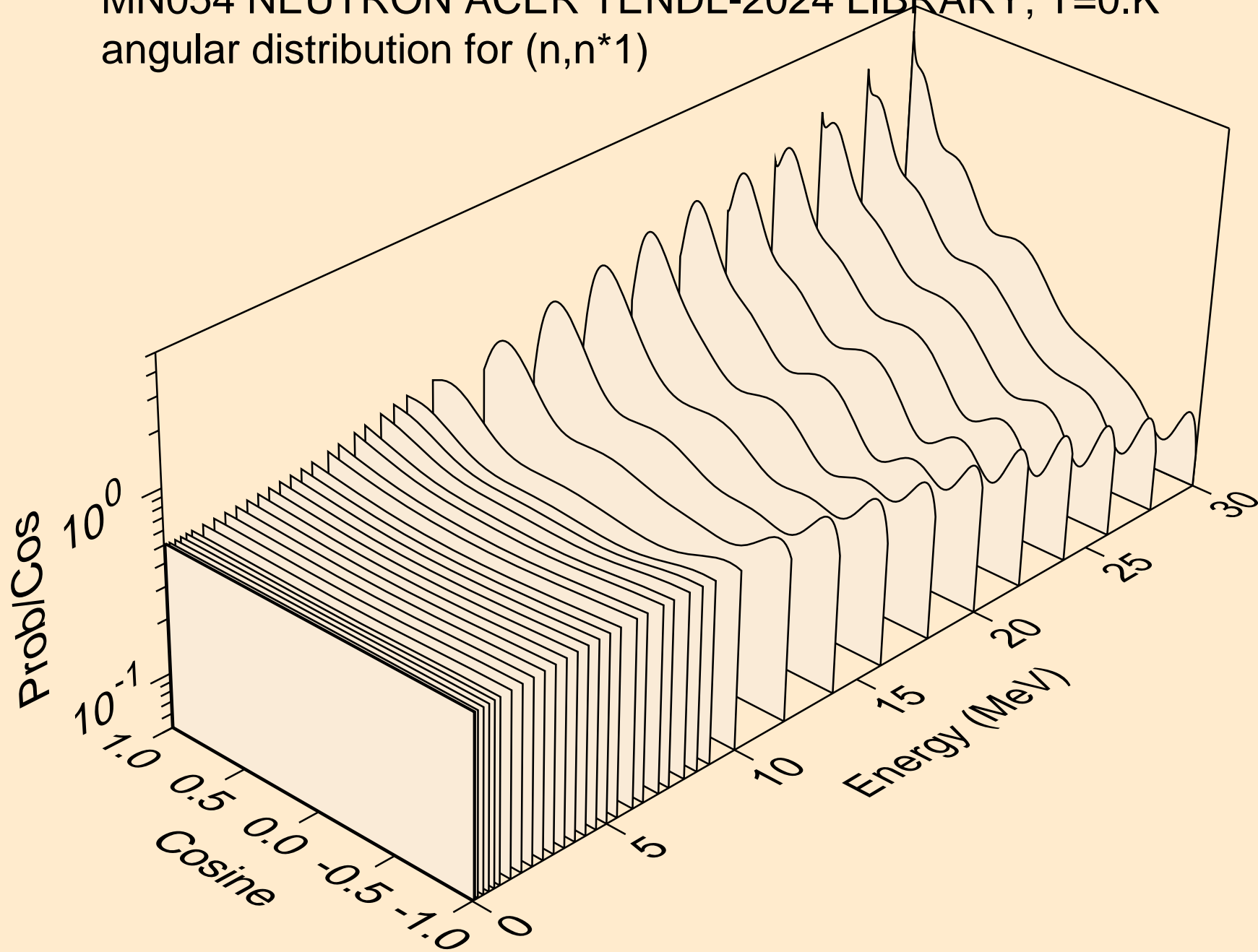
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



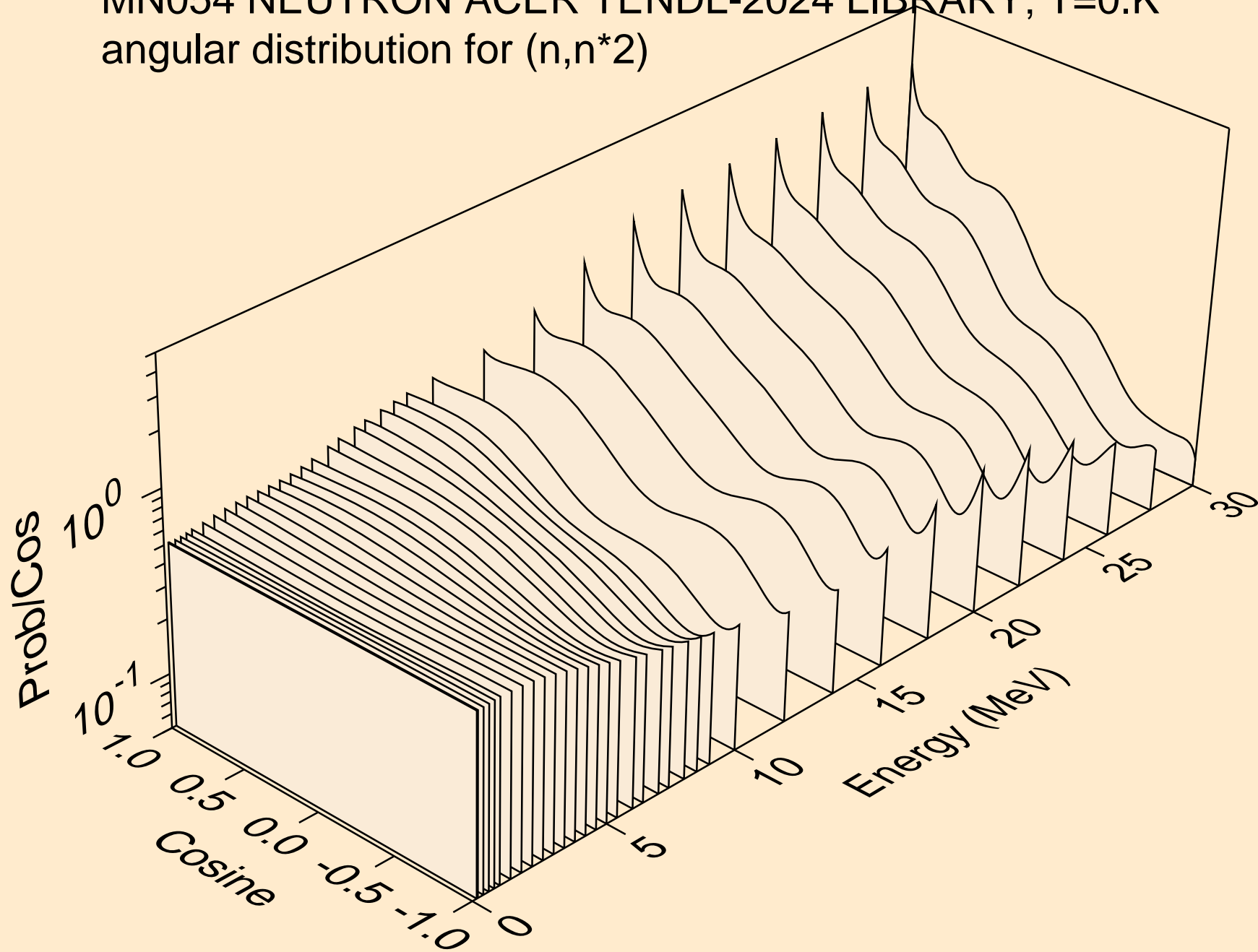
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

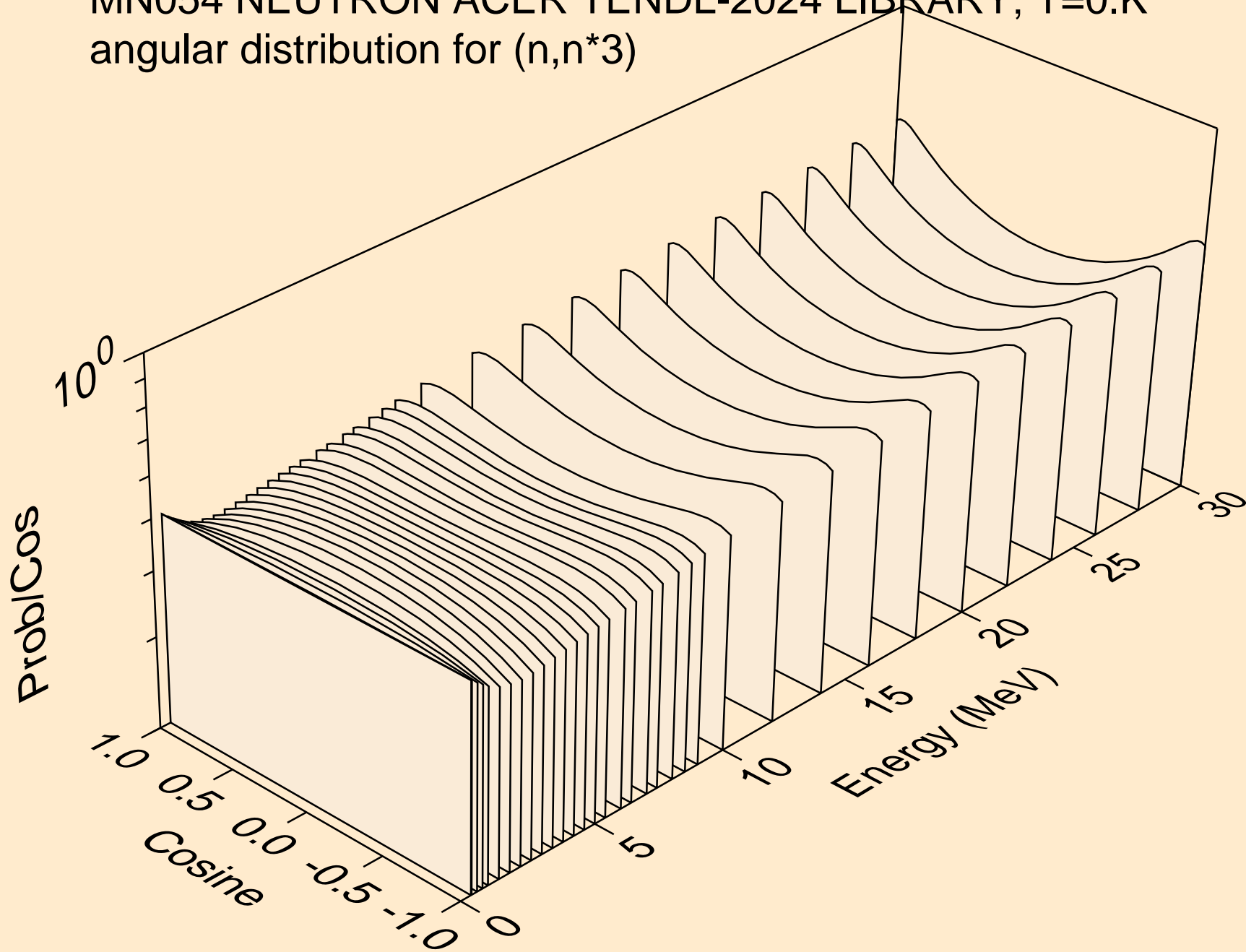


MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

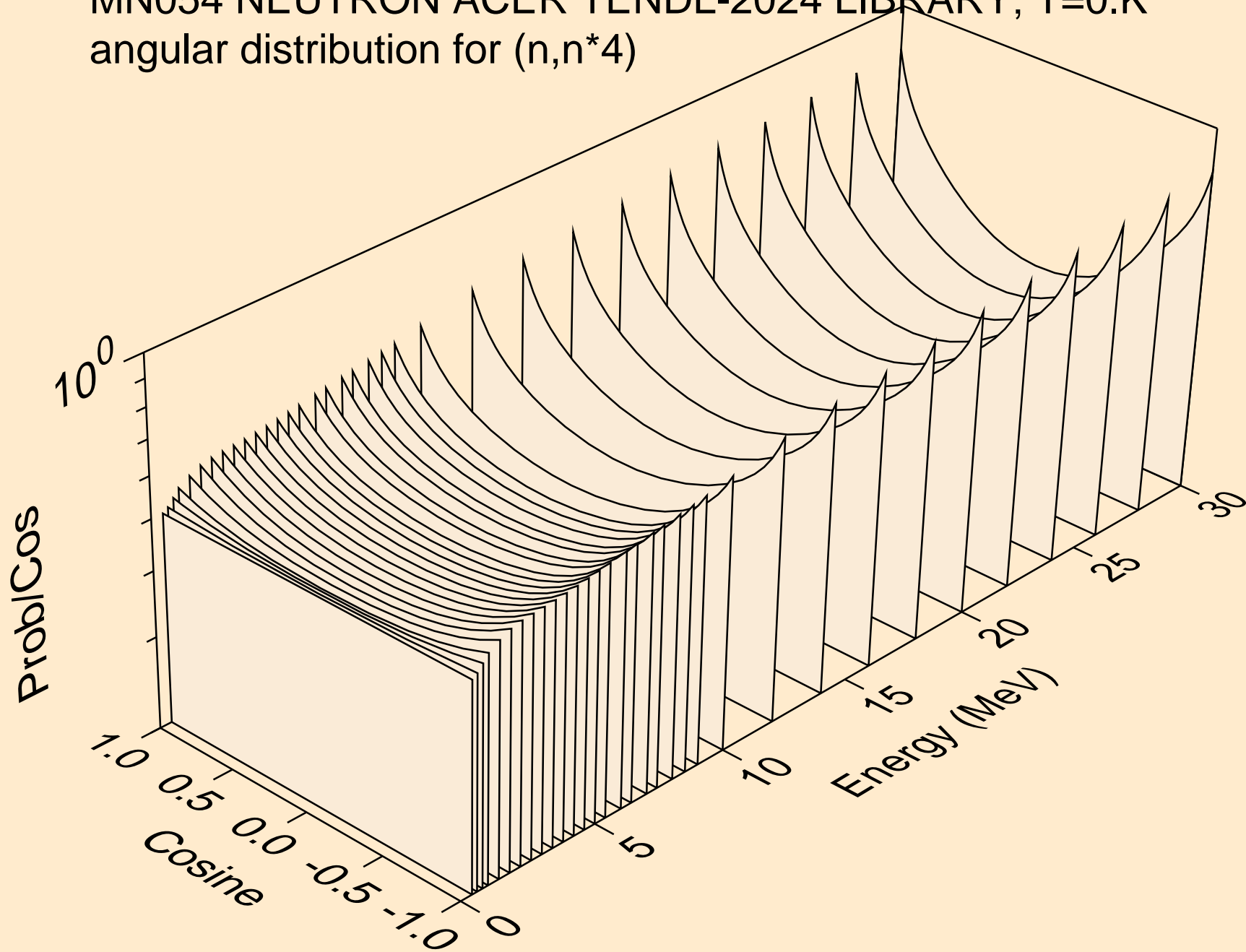




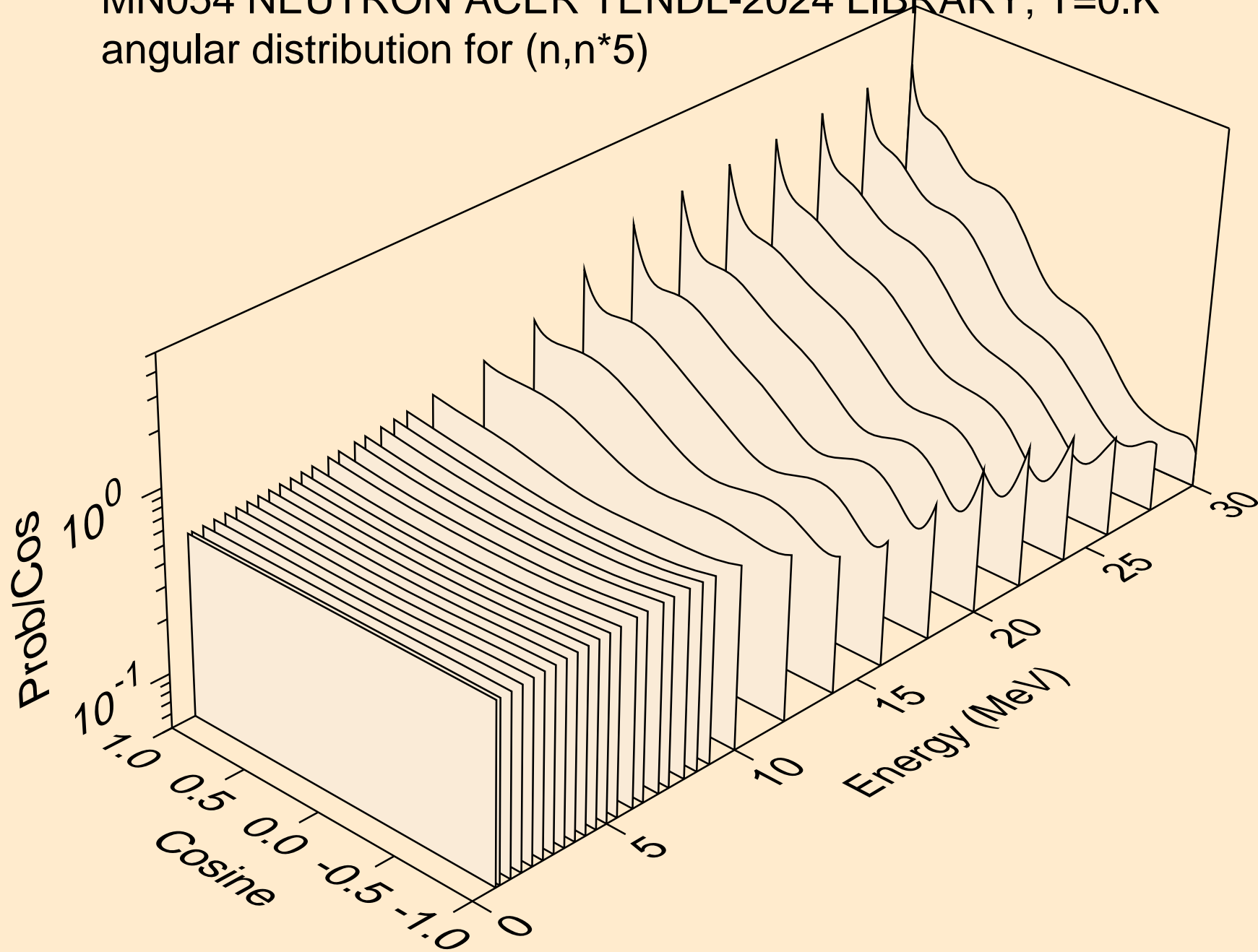
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angular distribution for (n,n\*3)



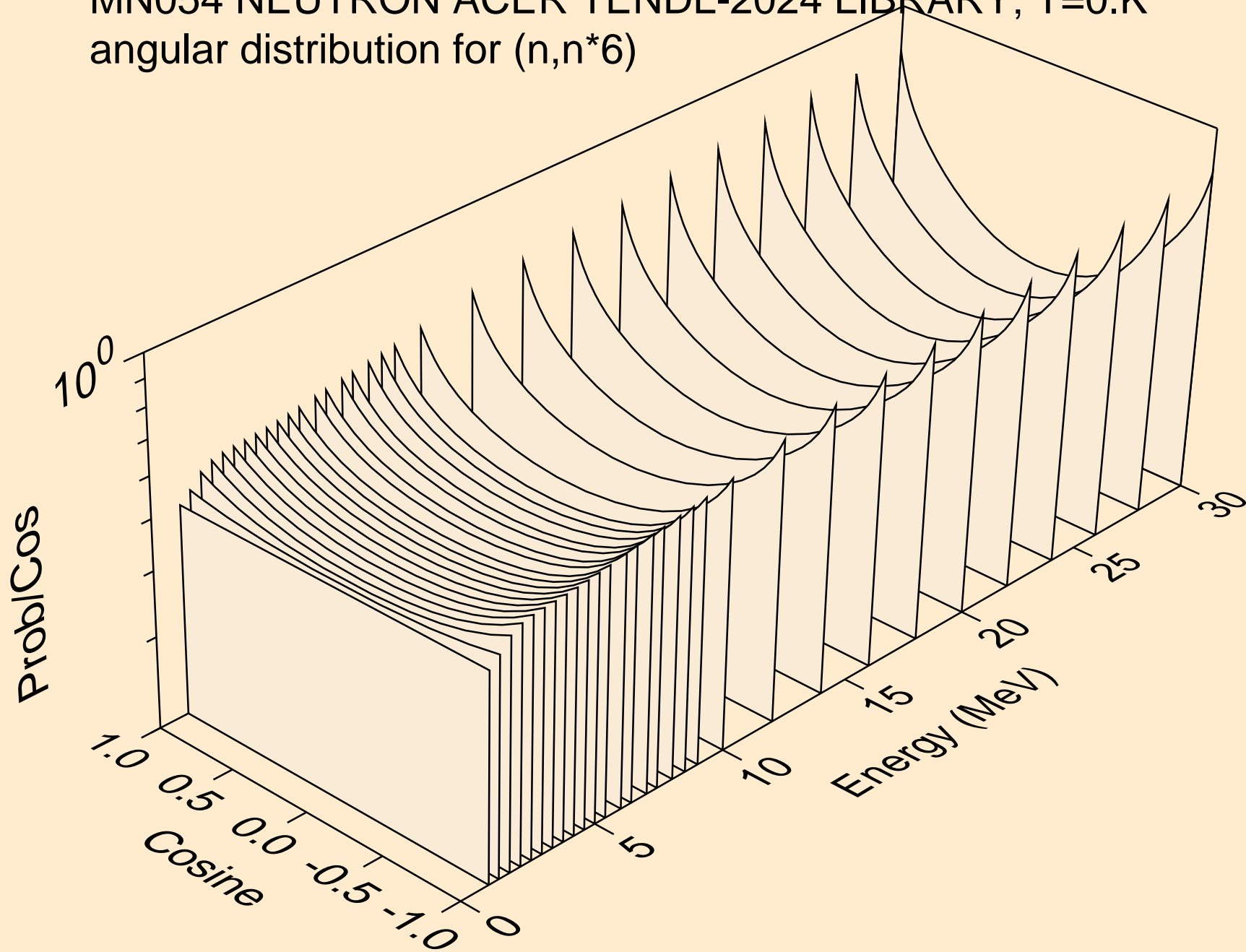
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angular distribution for (n,n\*4)



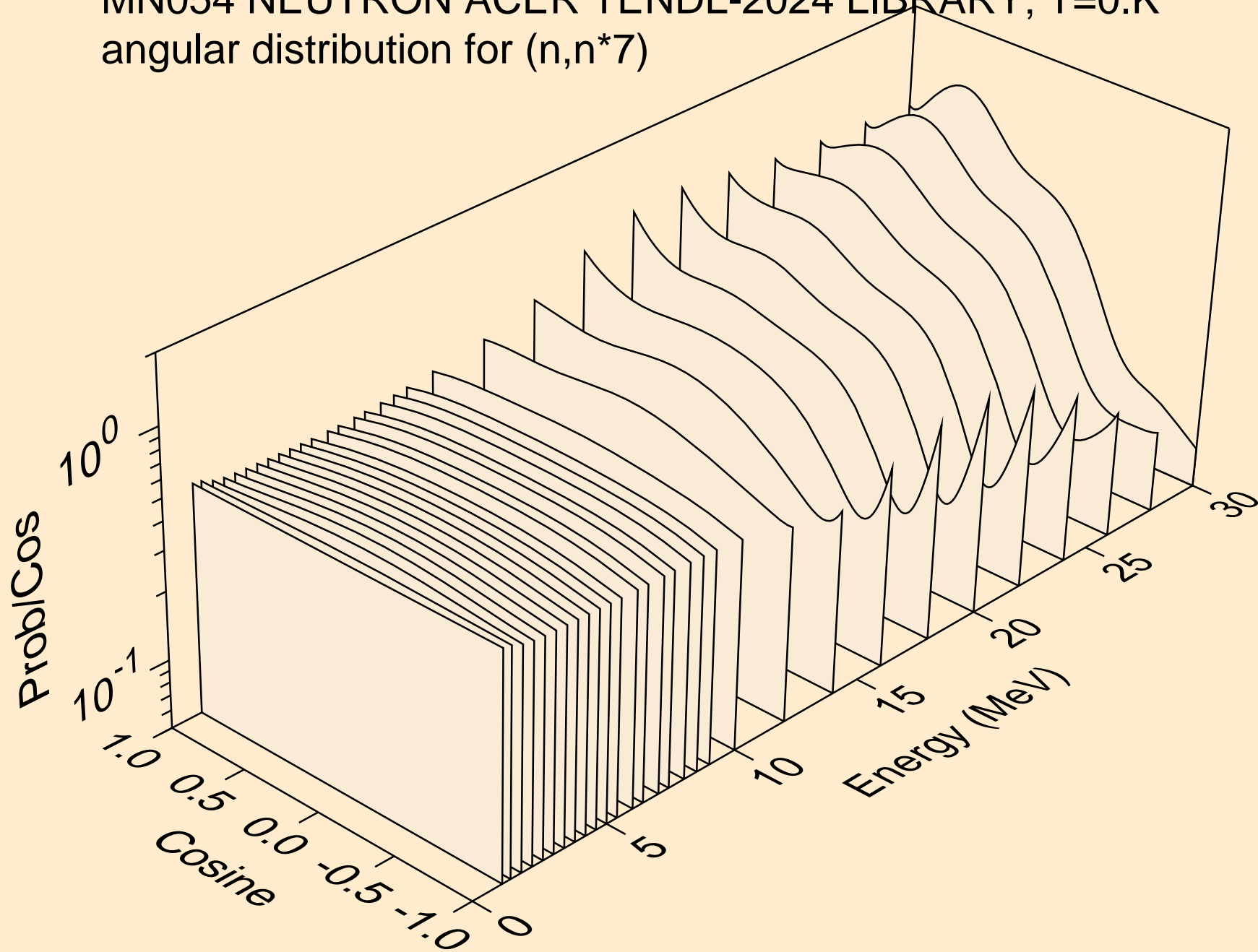
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angular distribution for (n,n\*5)



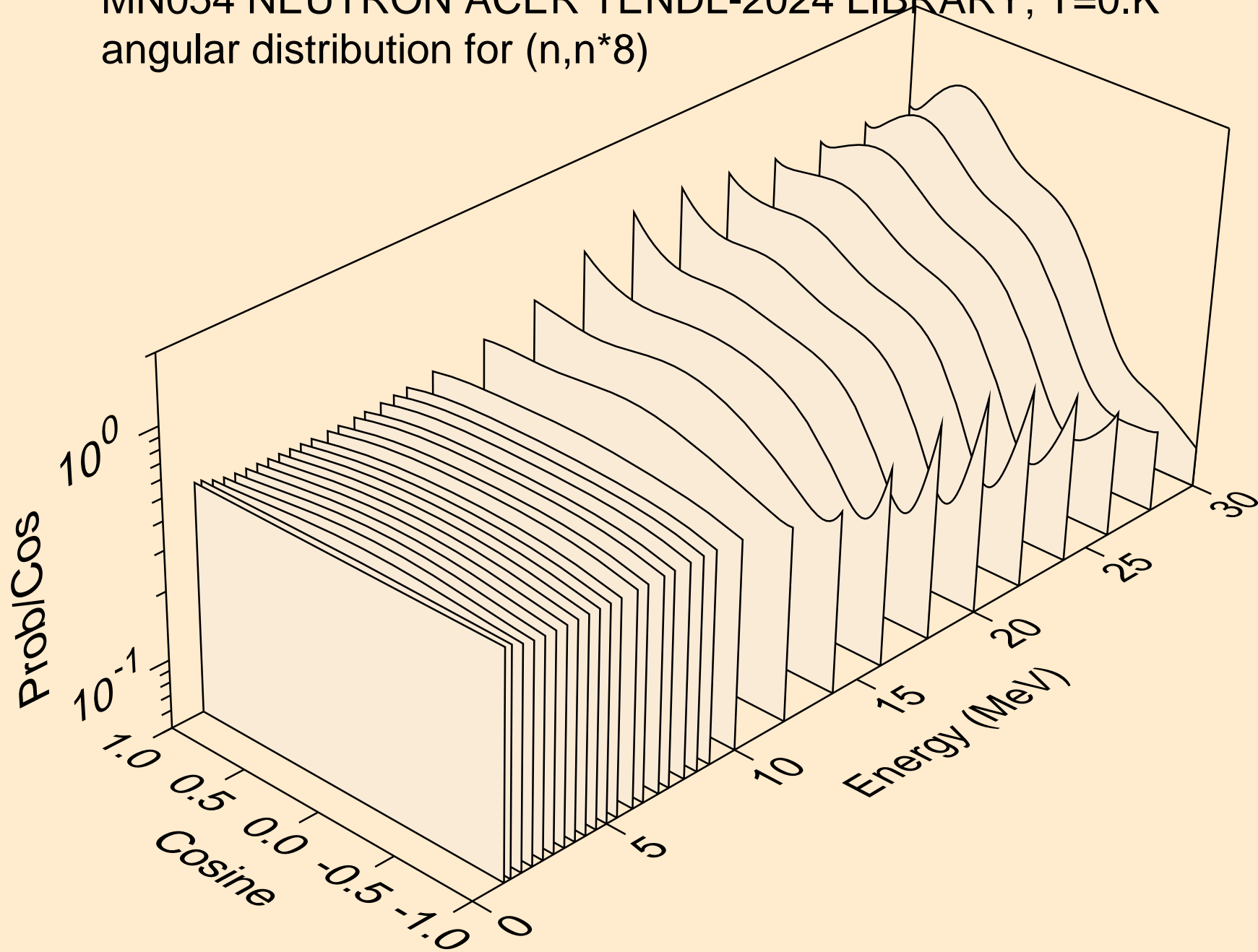
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angular distribution for (n,n\*6)



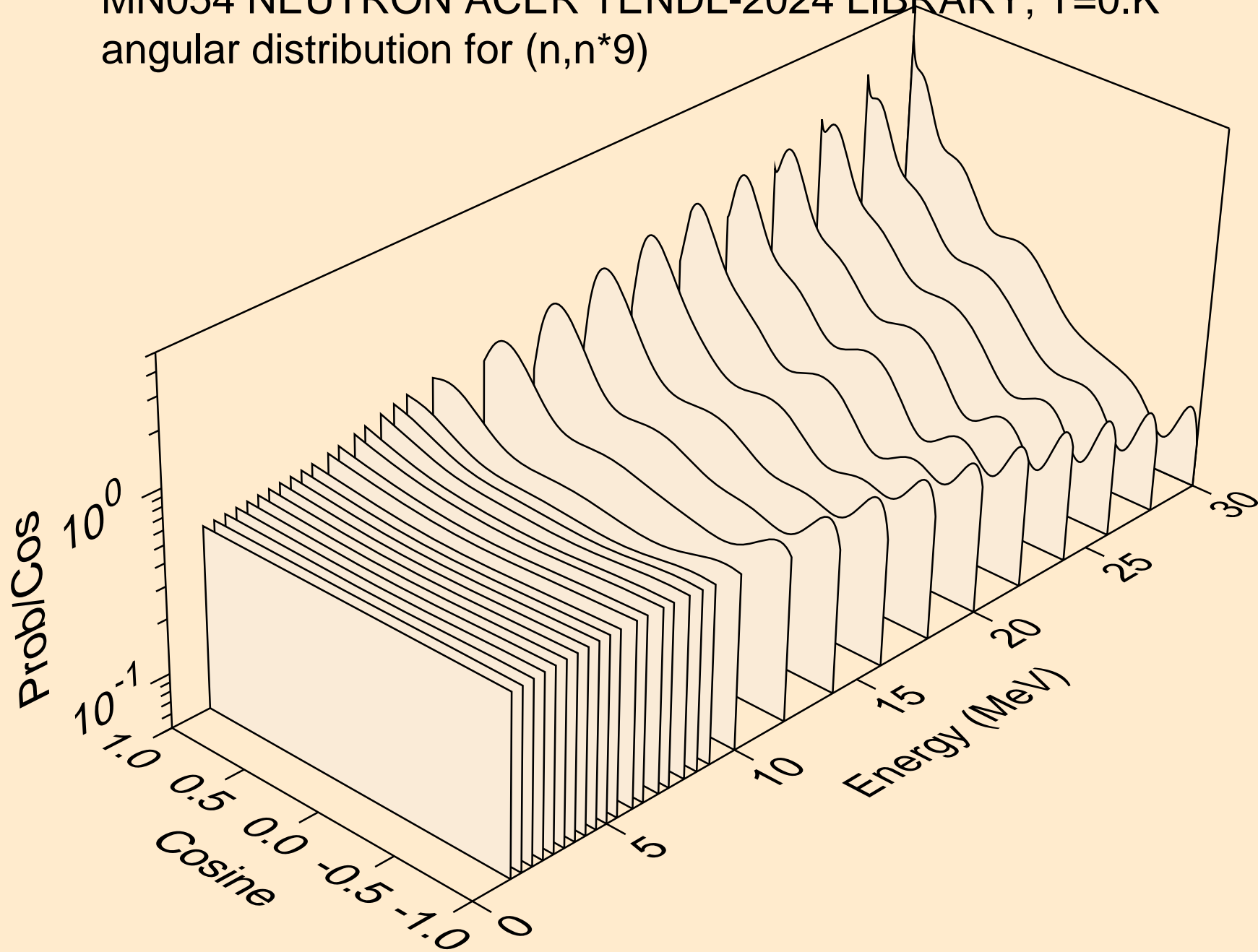
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angular distribution for (n,n\*7)



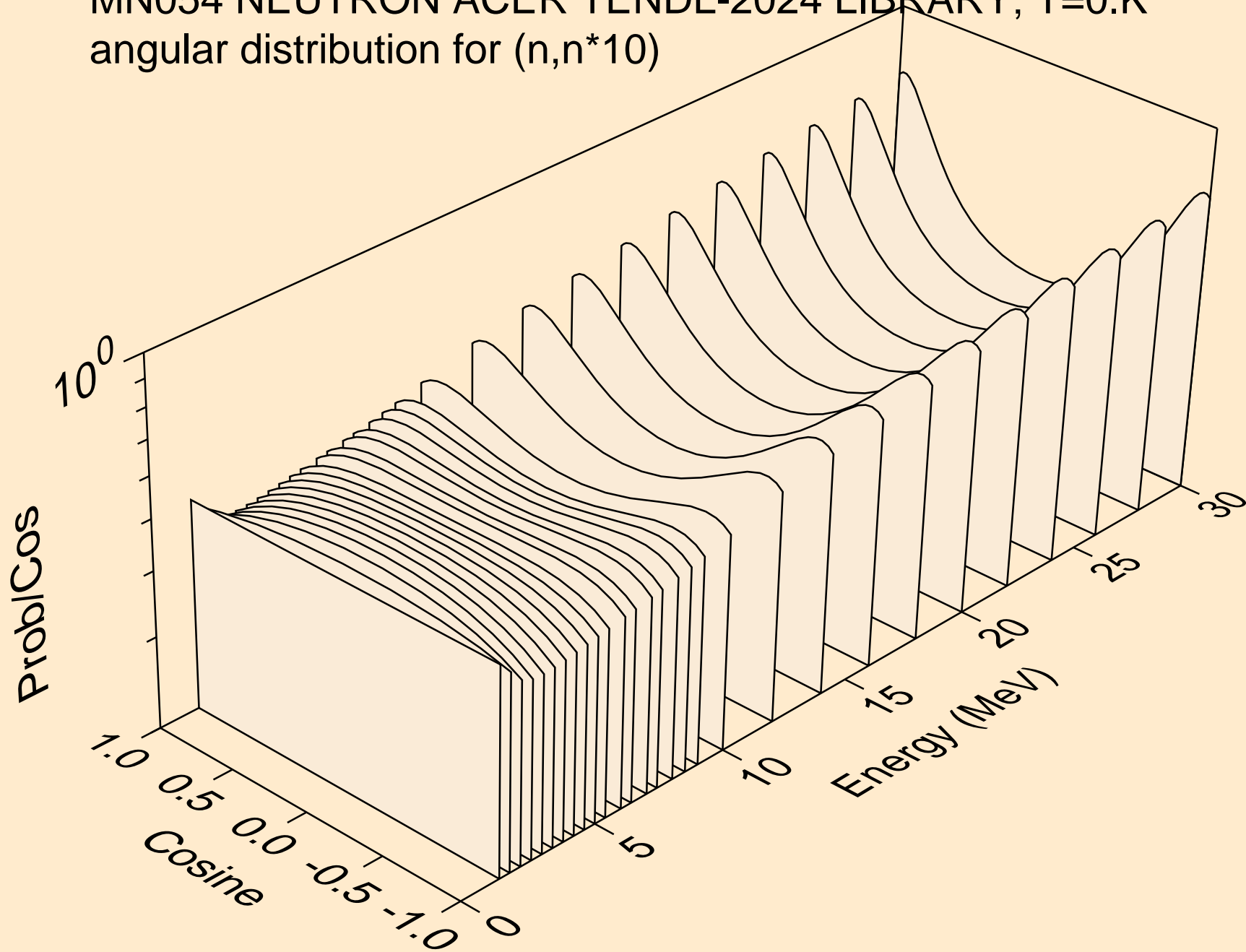
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

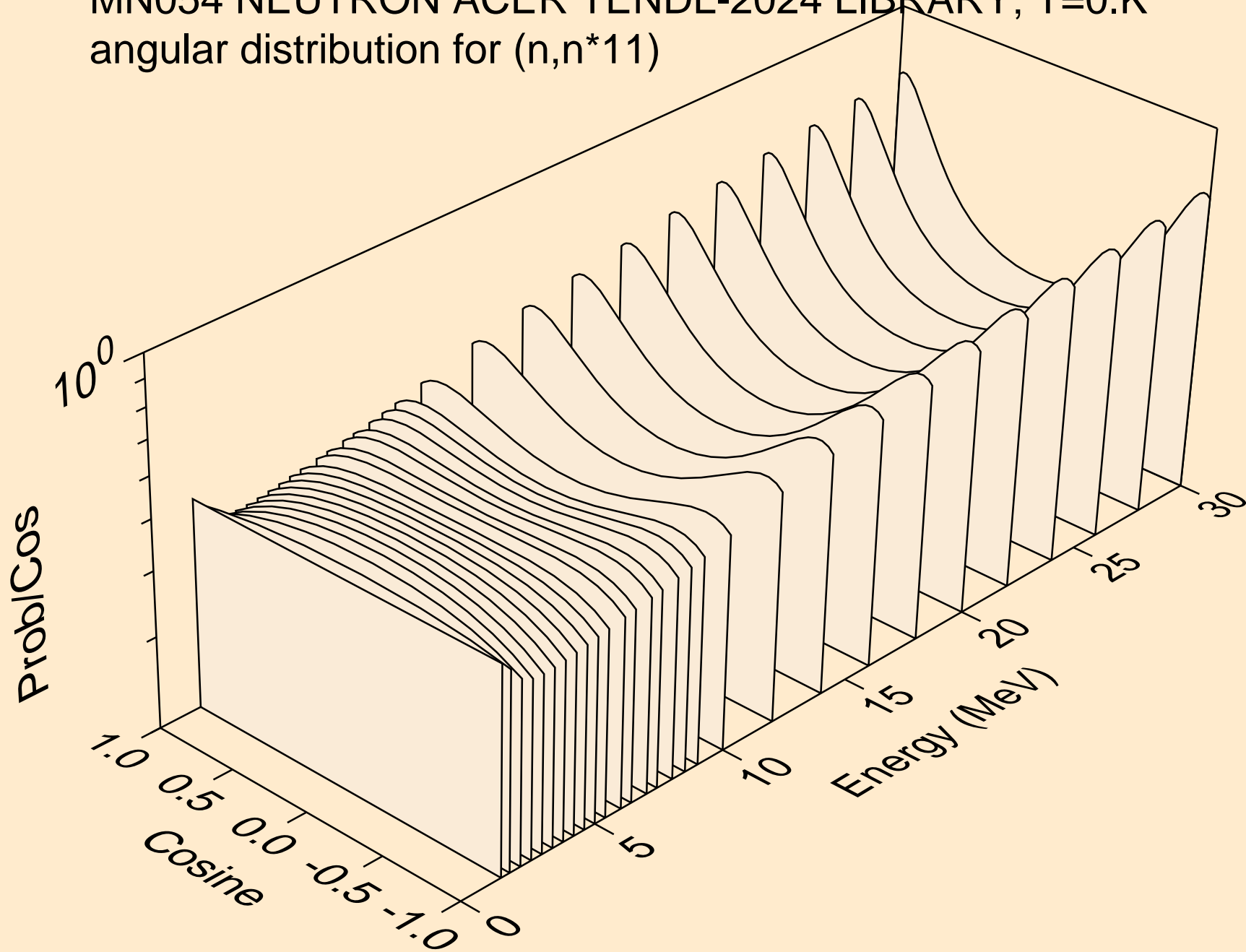


MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

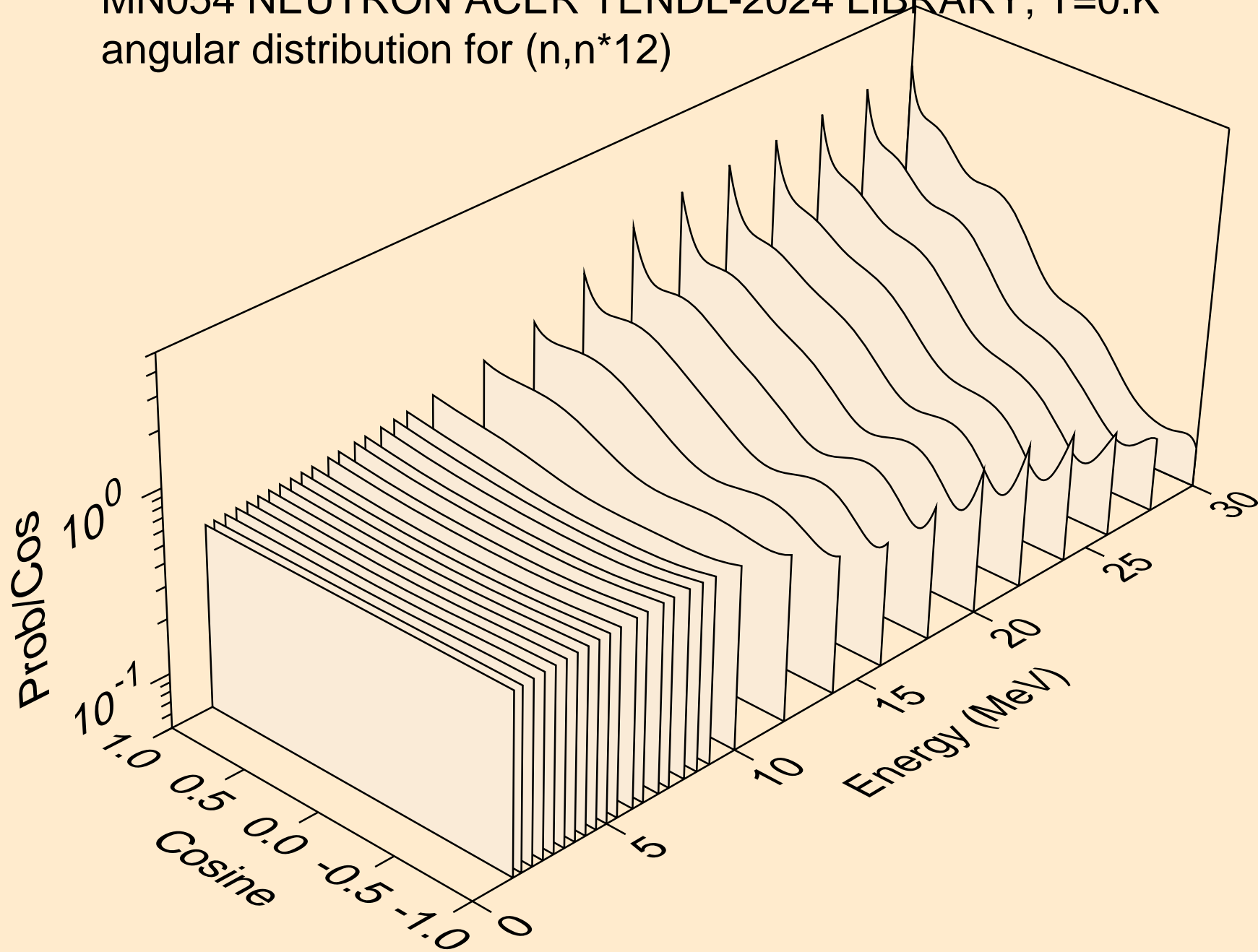




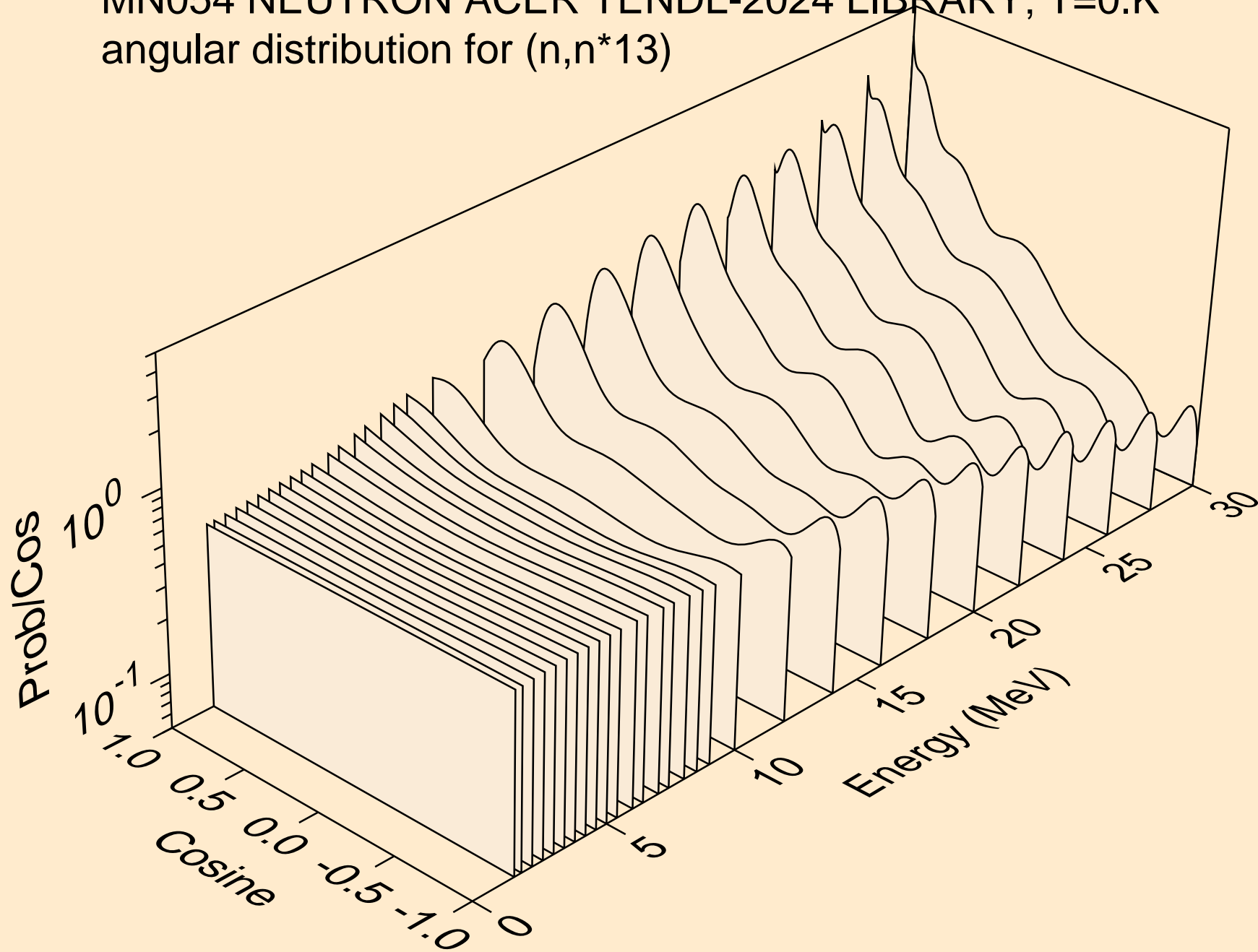
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angular distribution for (n,n\*11)



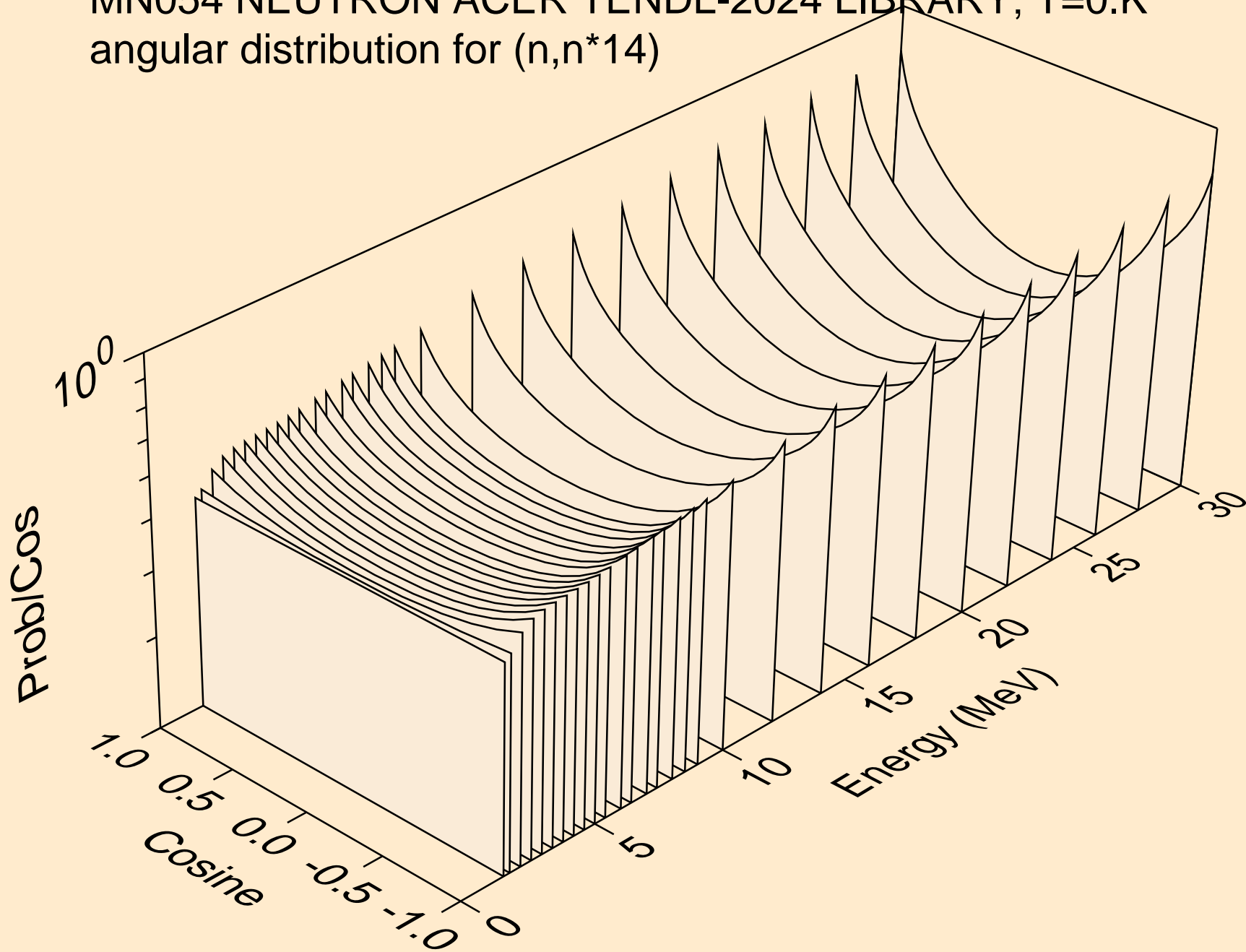
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angular distribution for (n,n\*12)



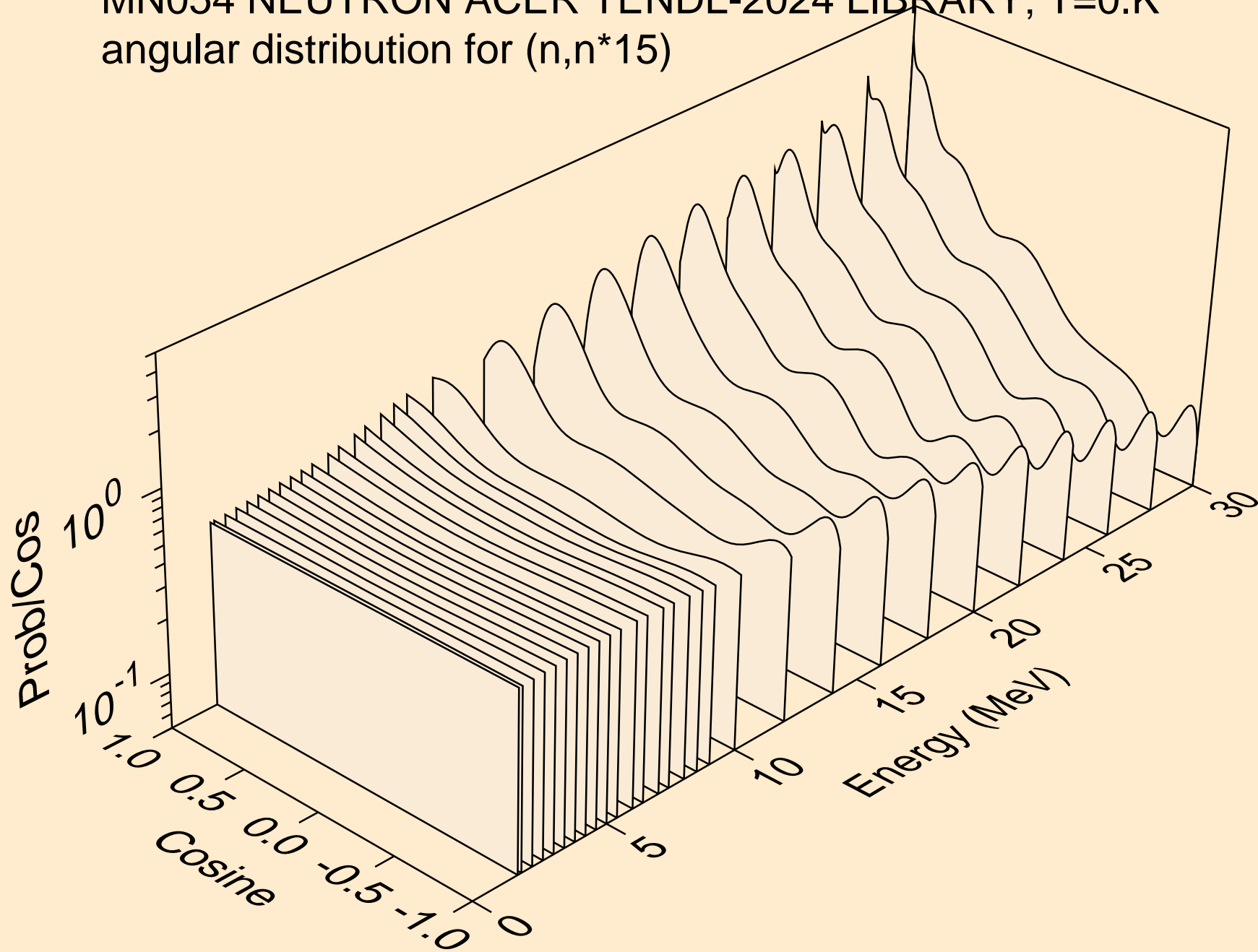
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angular distribution for (n,n\*13)



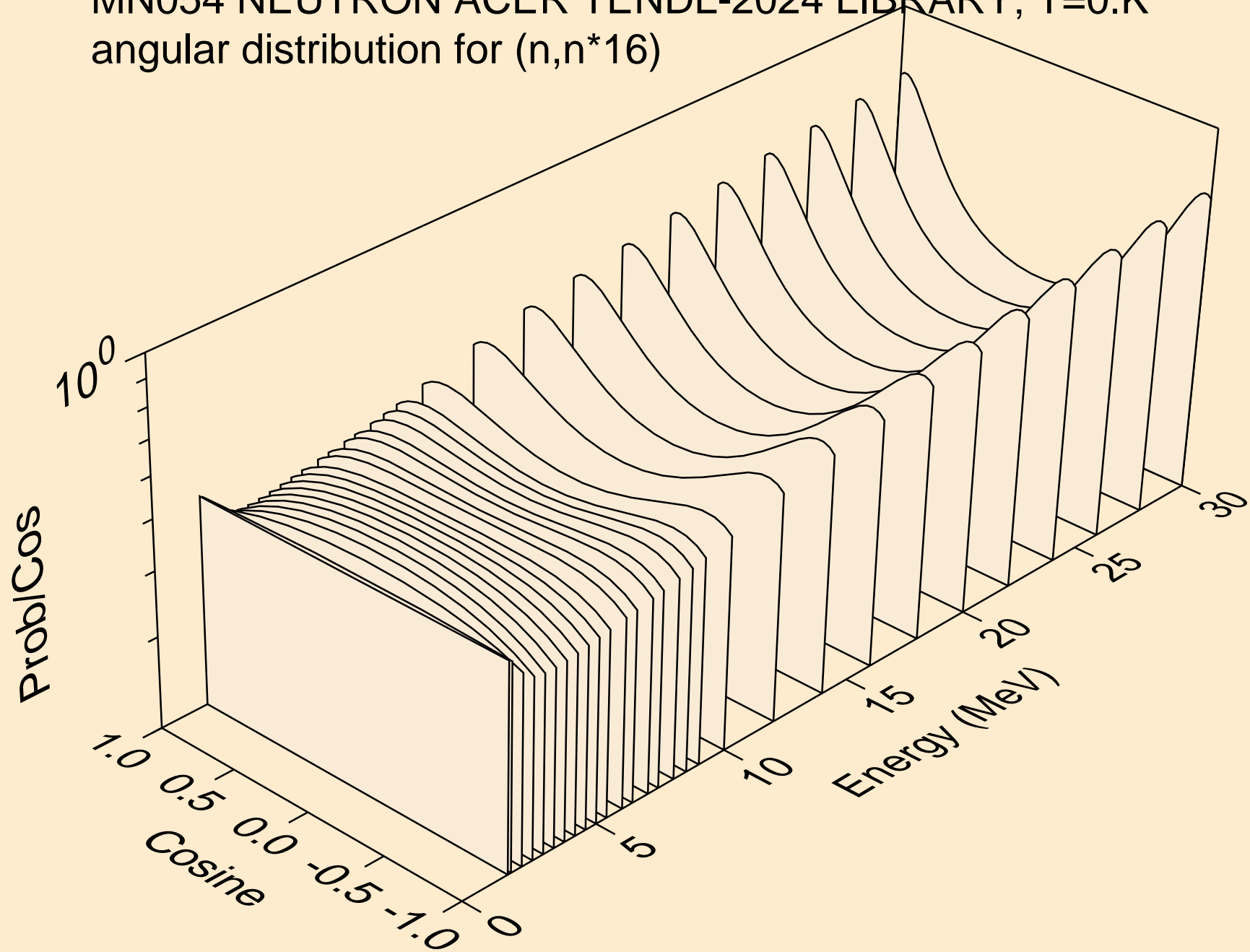
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angular distribution for (n,n\*14)



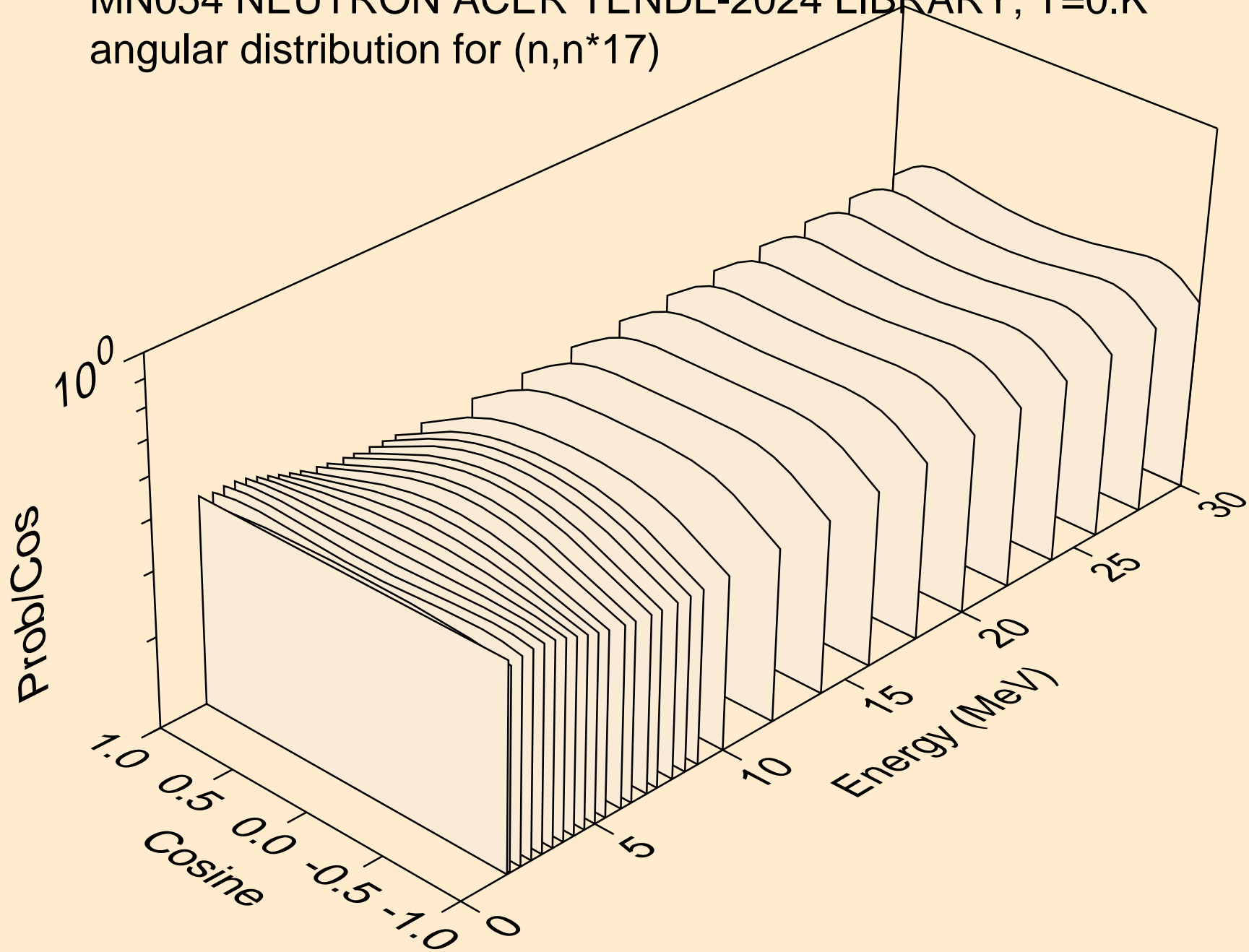
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angular distribution for (n,n\*15)



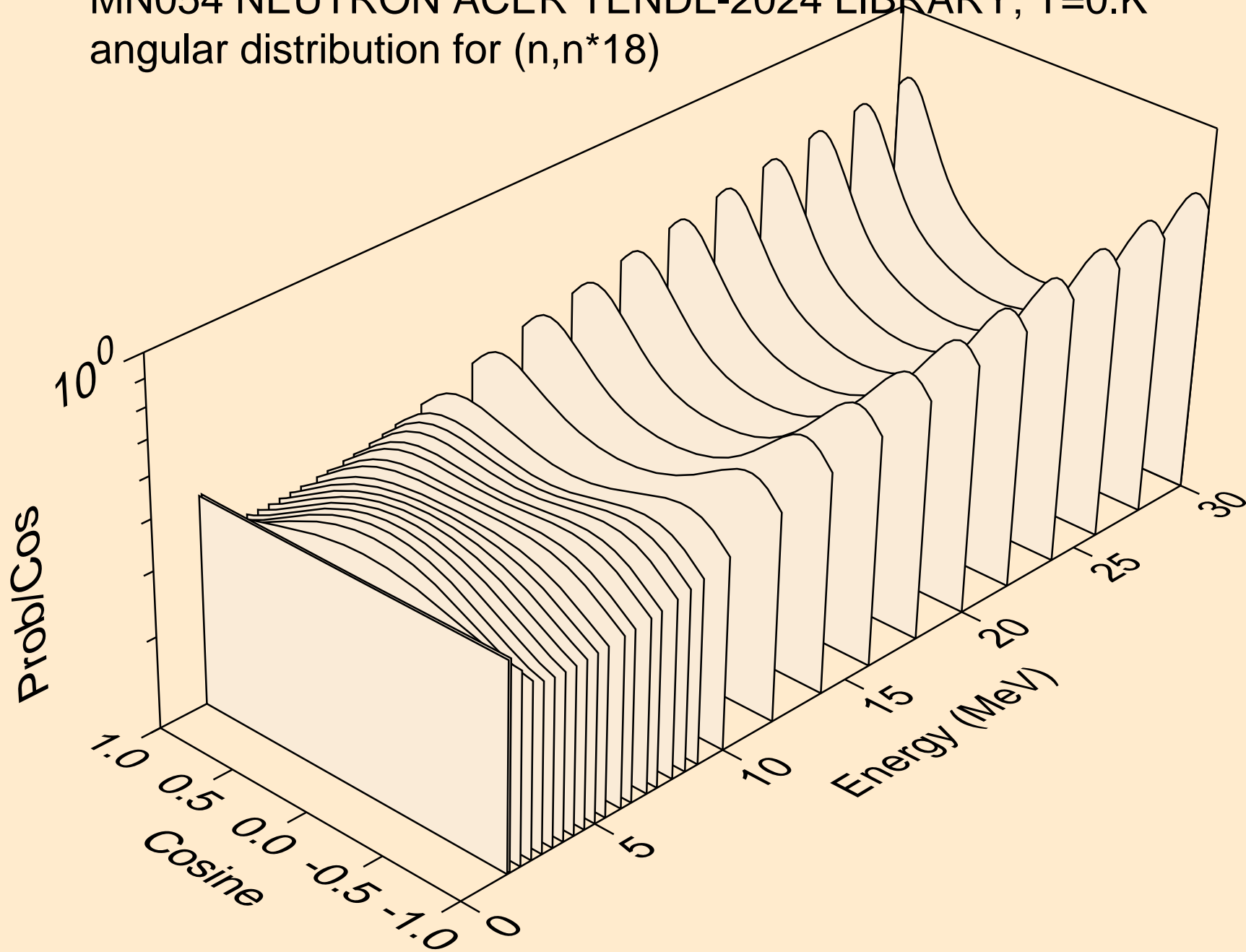
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*17)

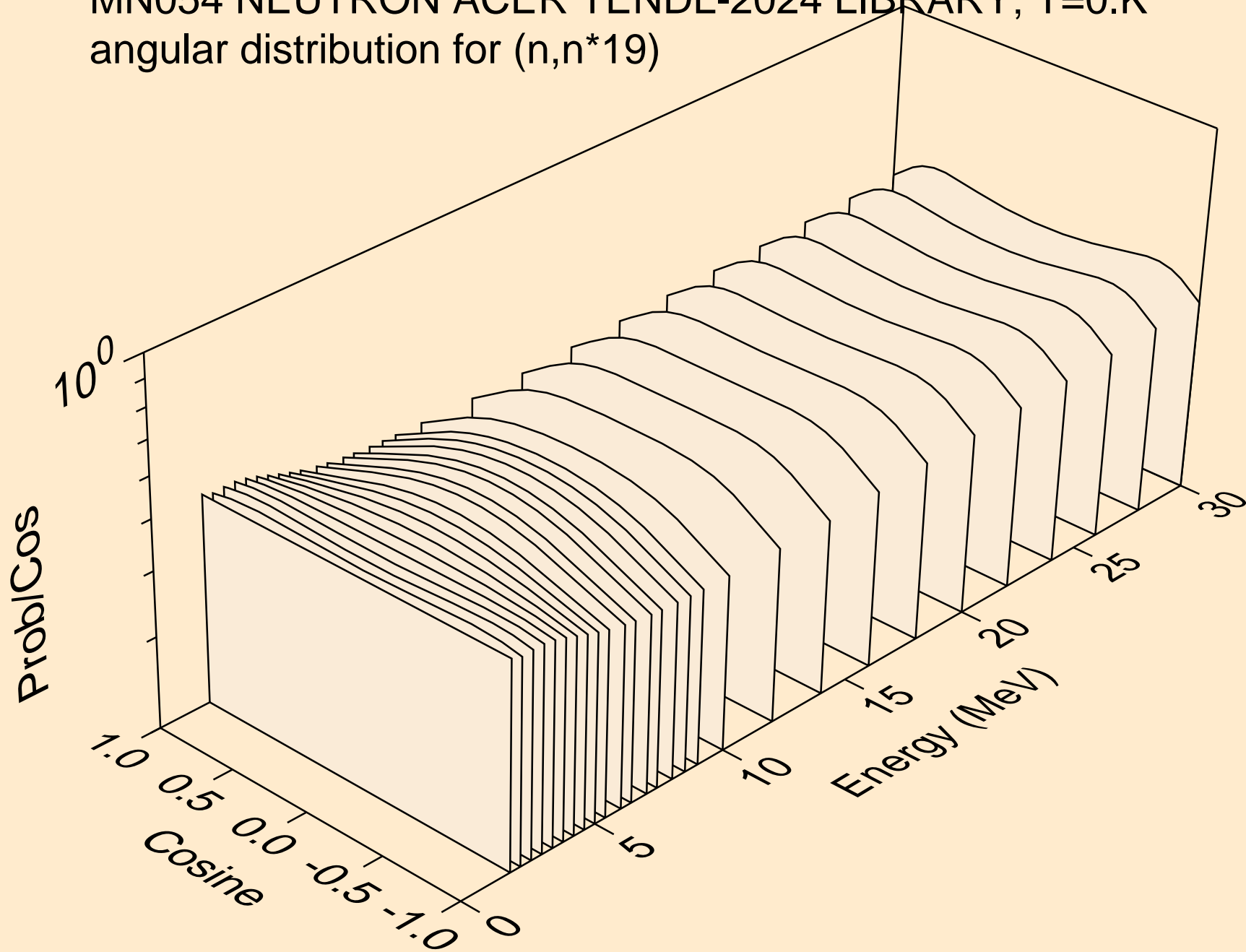


MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*18)

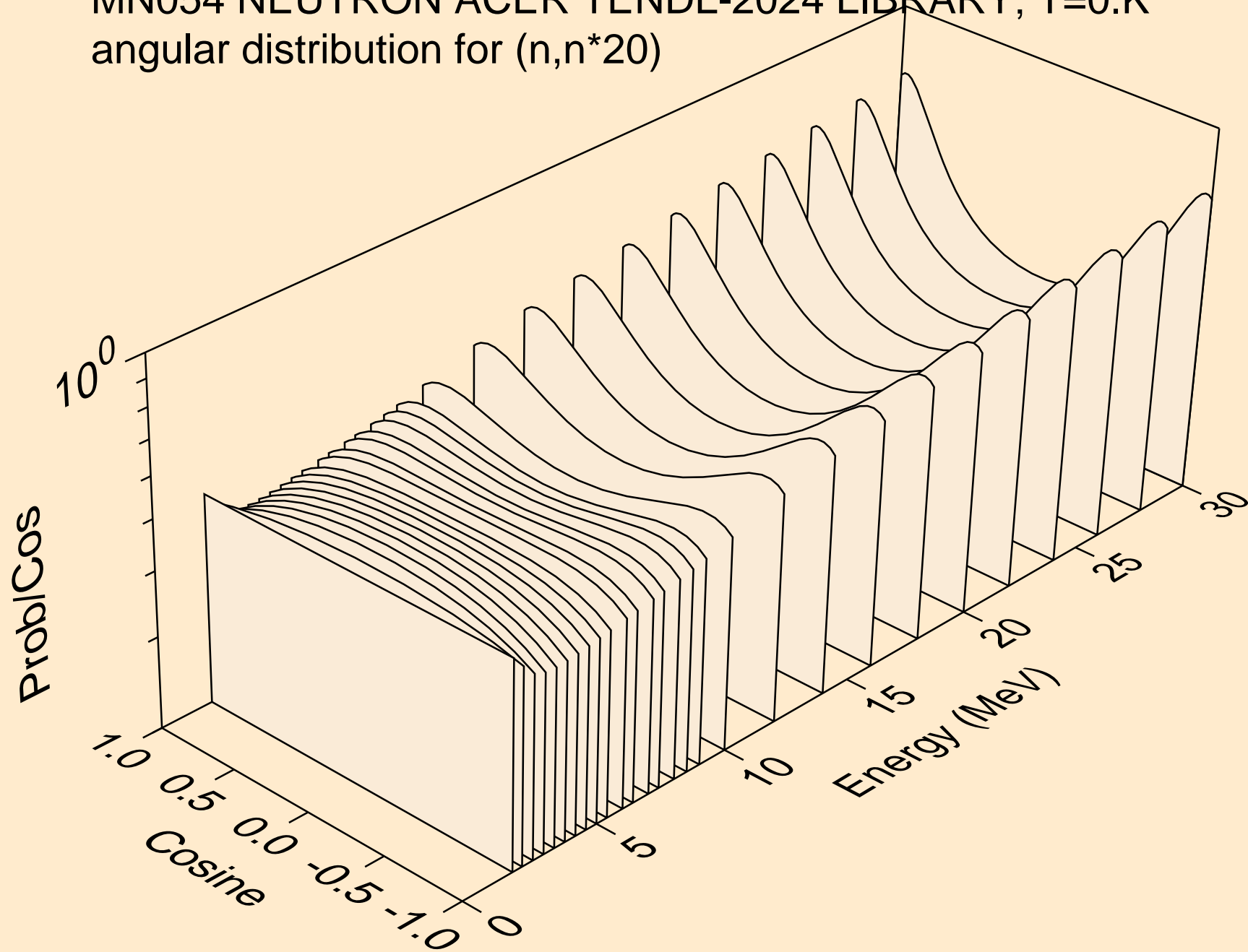




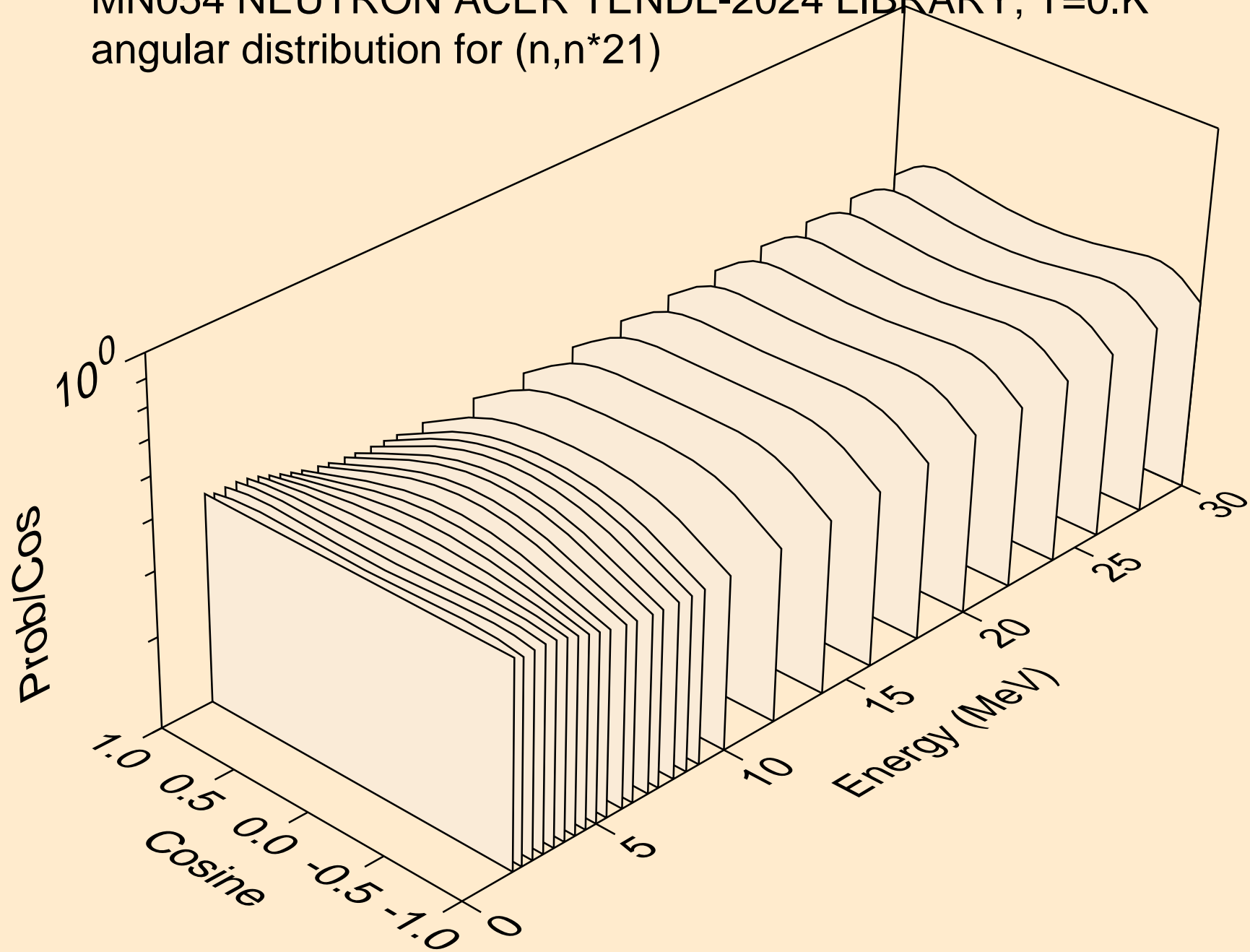
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angular distribution for (n,n\*19)



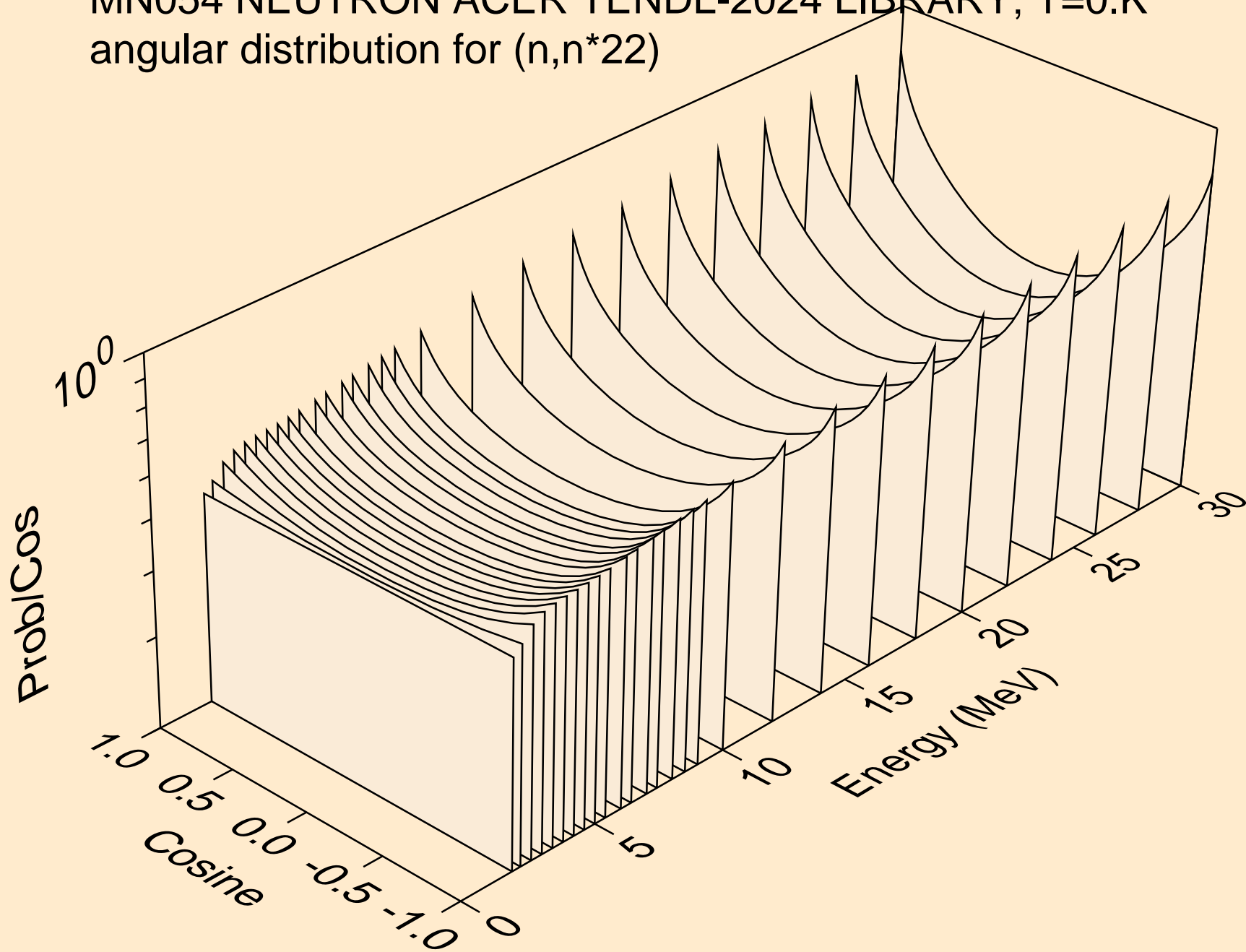
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angular distribution for (n,n\*20)



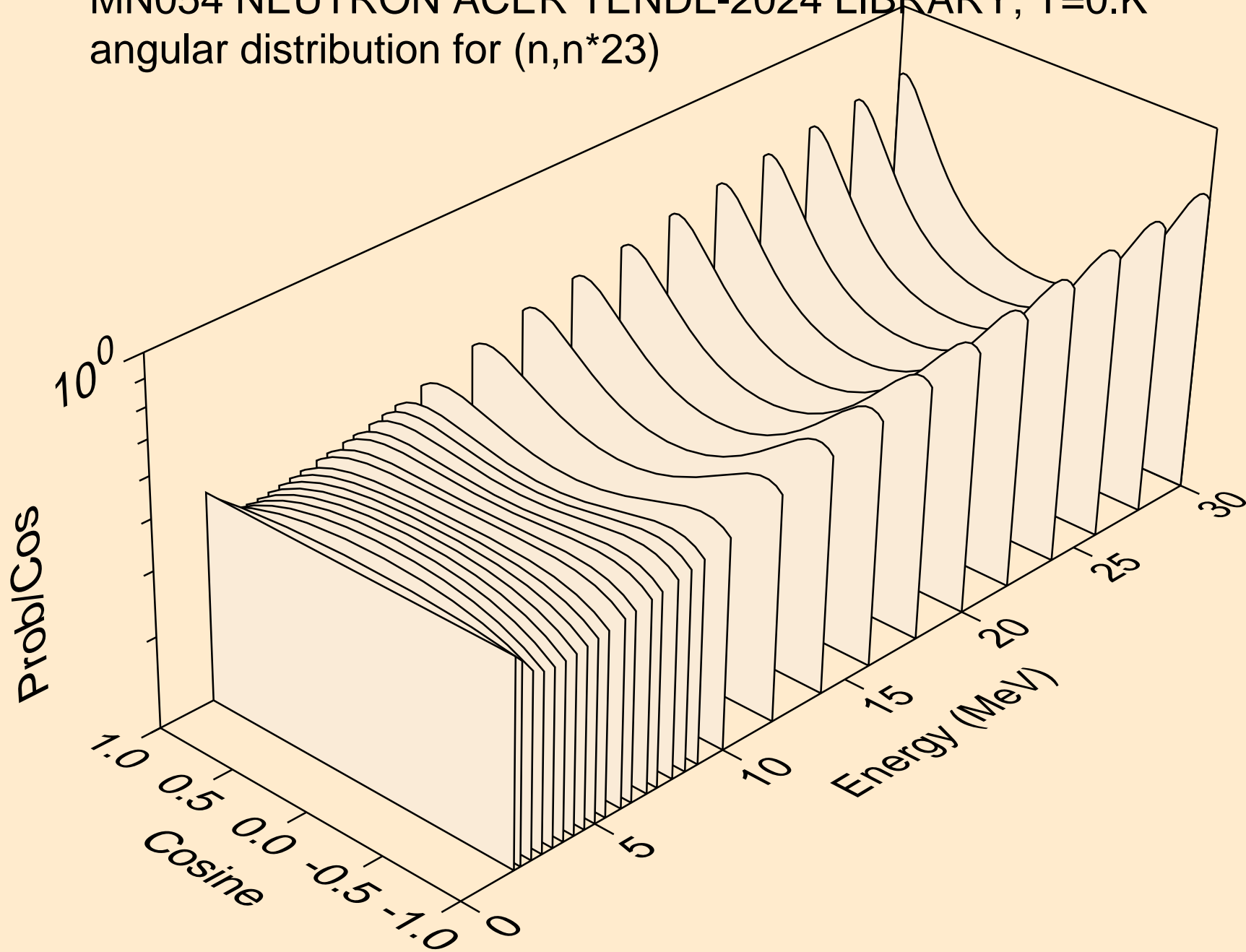
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angular distribution for (n,n\*21)



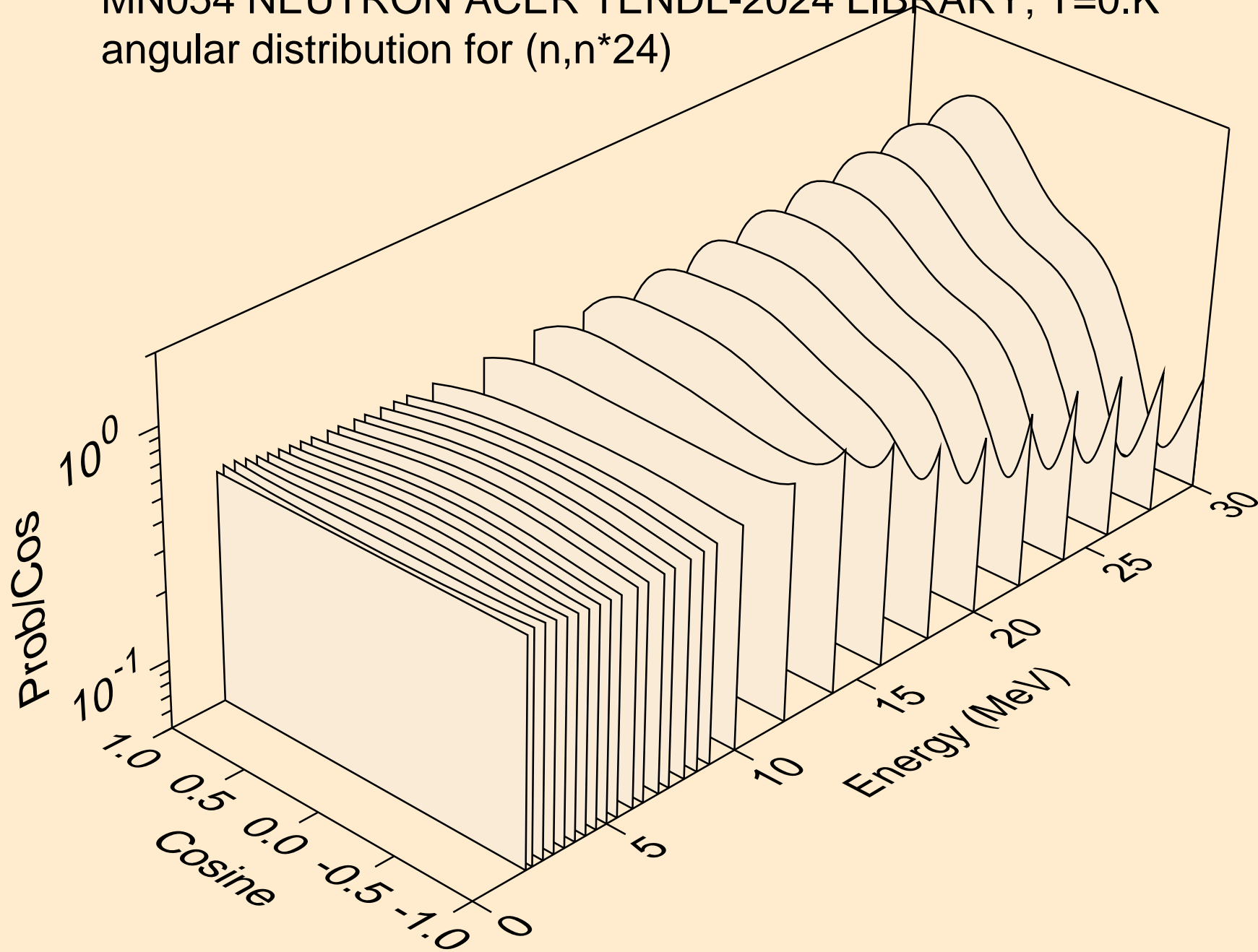
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angular distribution for (n,n\*22)



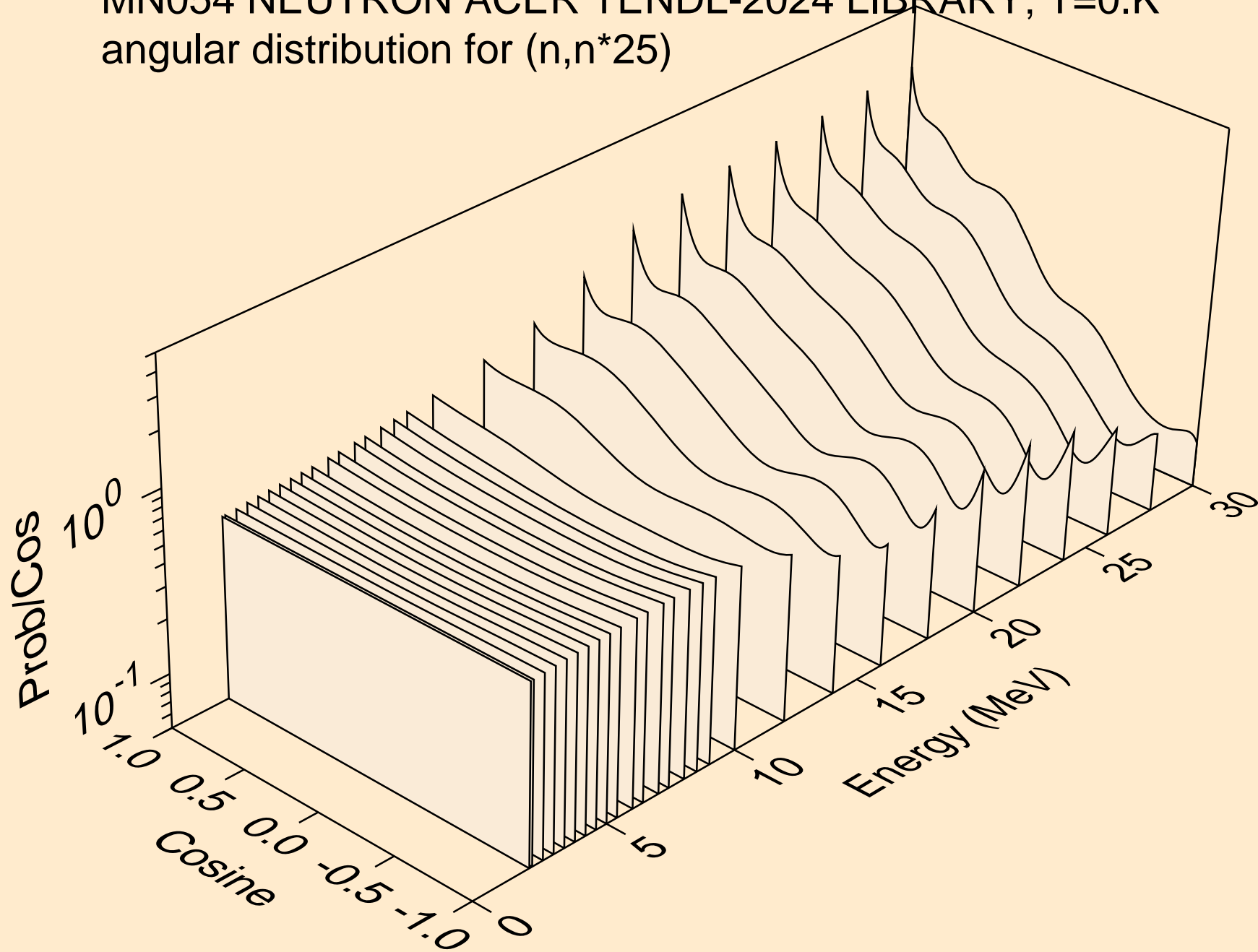
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angular distribution for (n,n\*23)



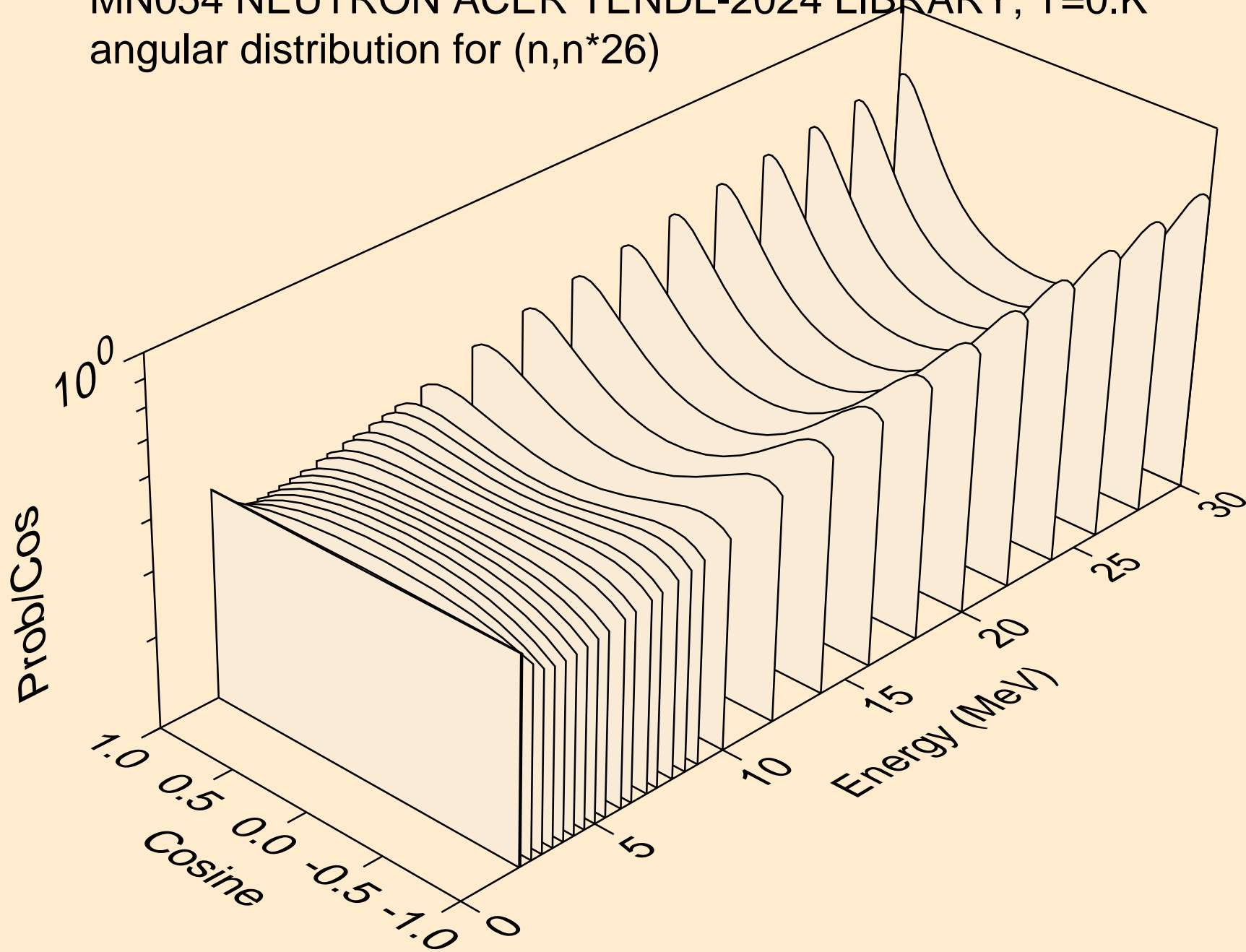
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*24)



MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*25)

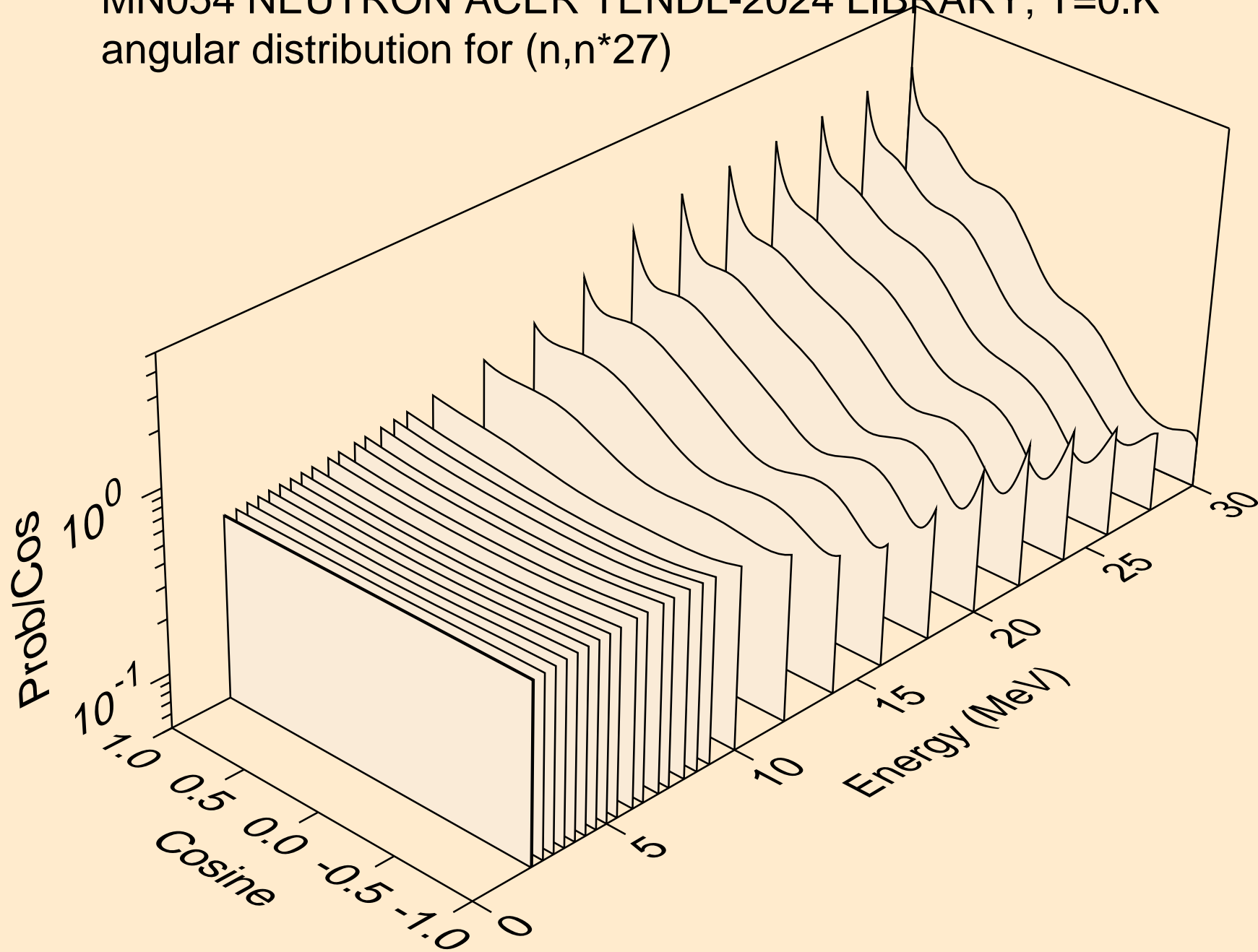


MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)

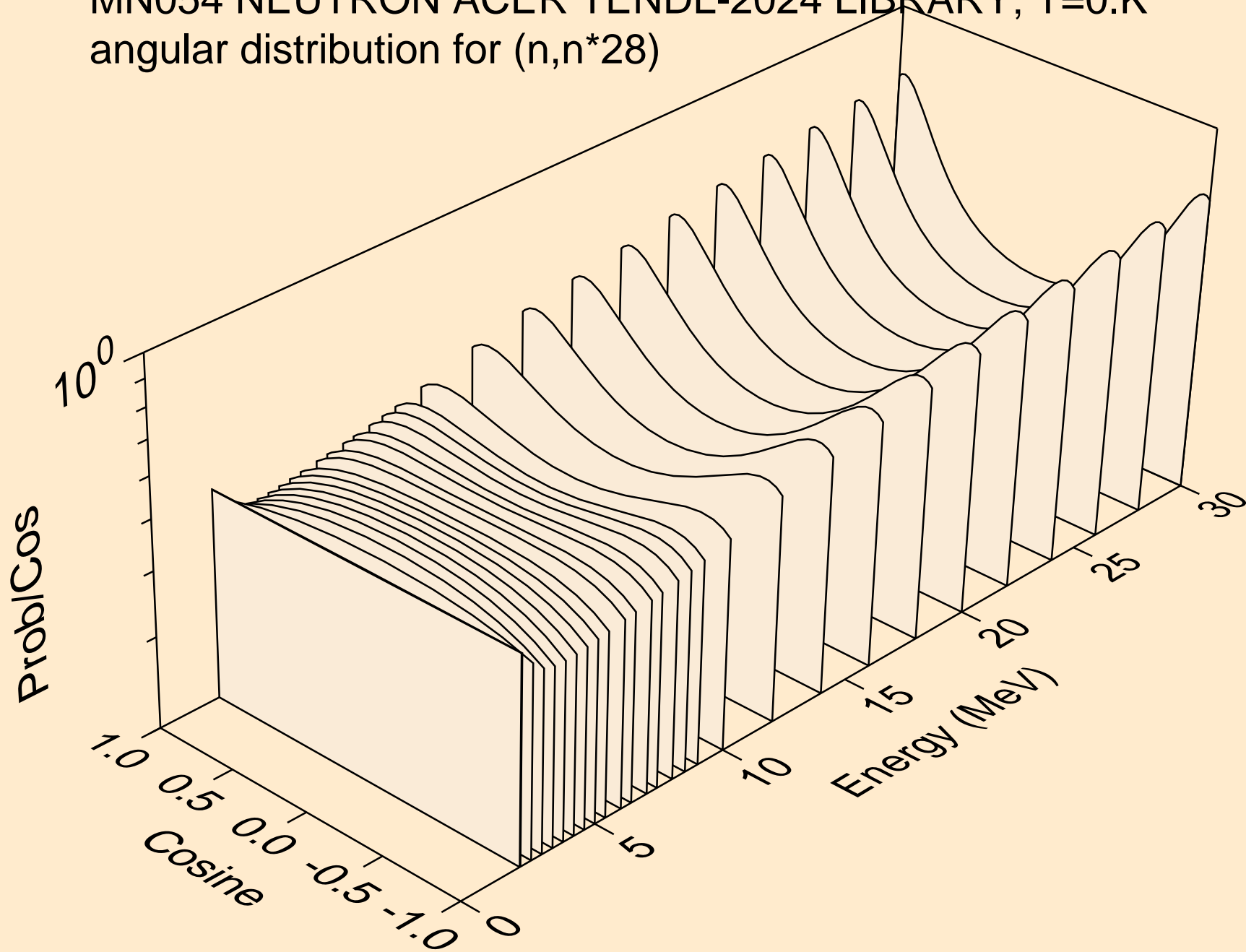




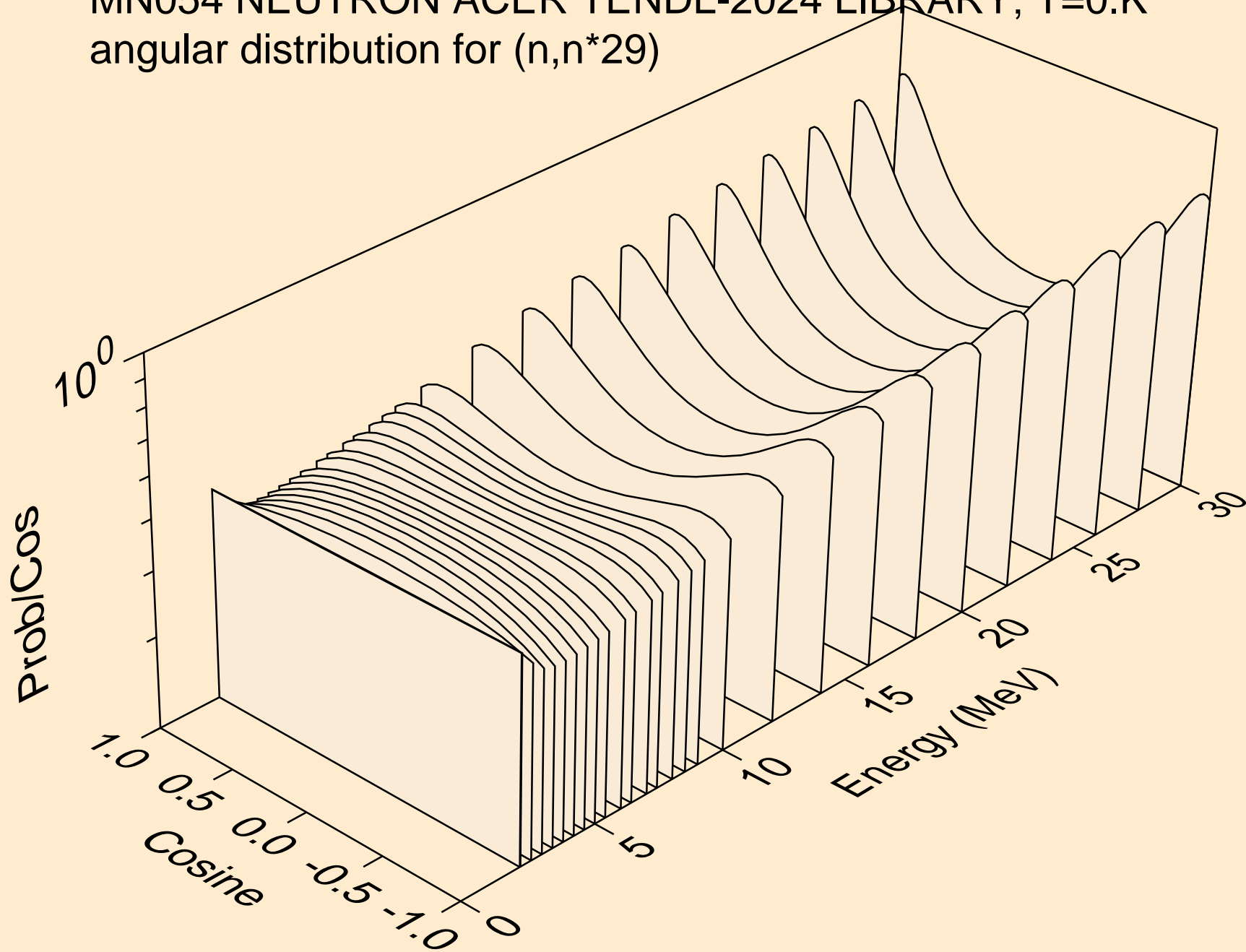
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



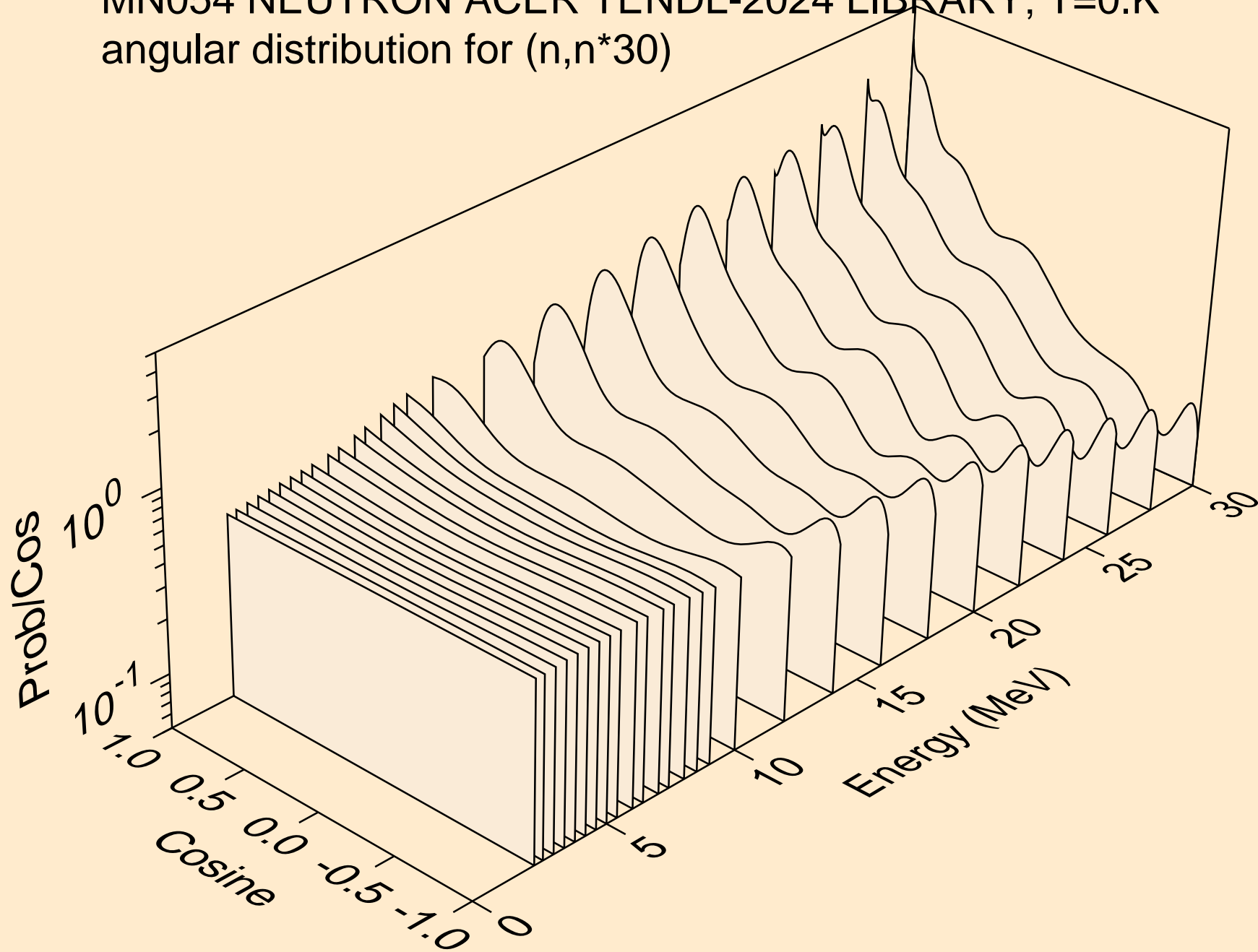
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angular distribution for (n,n\*28)



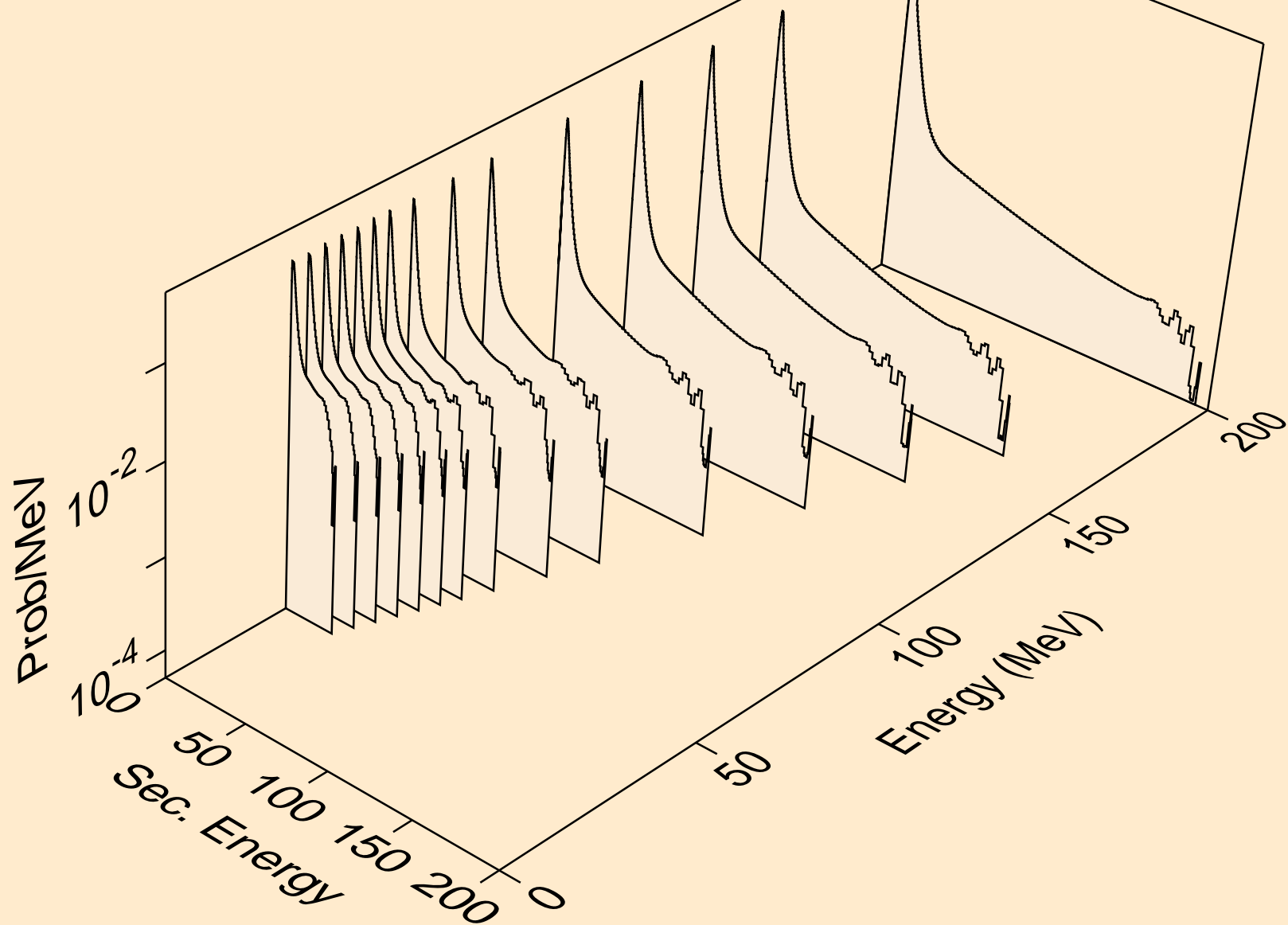
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angular distribution for (n,n\*29)



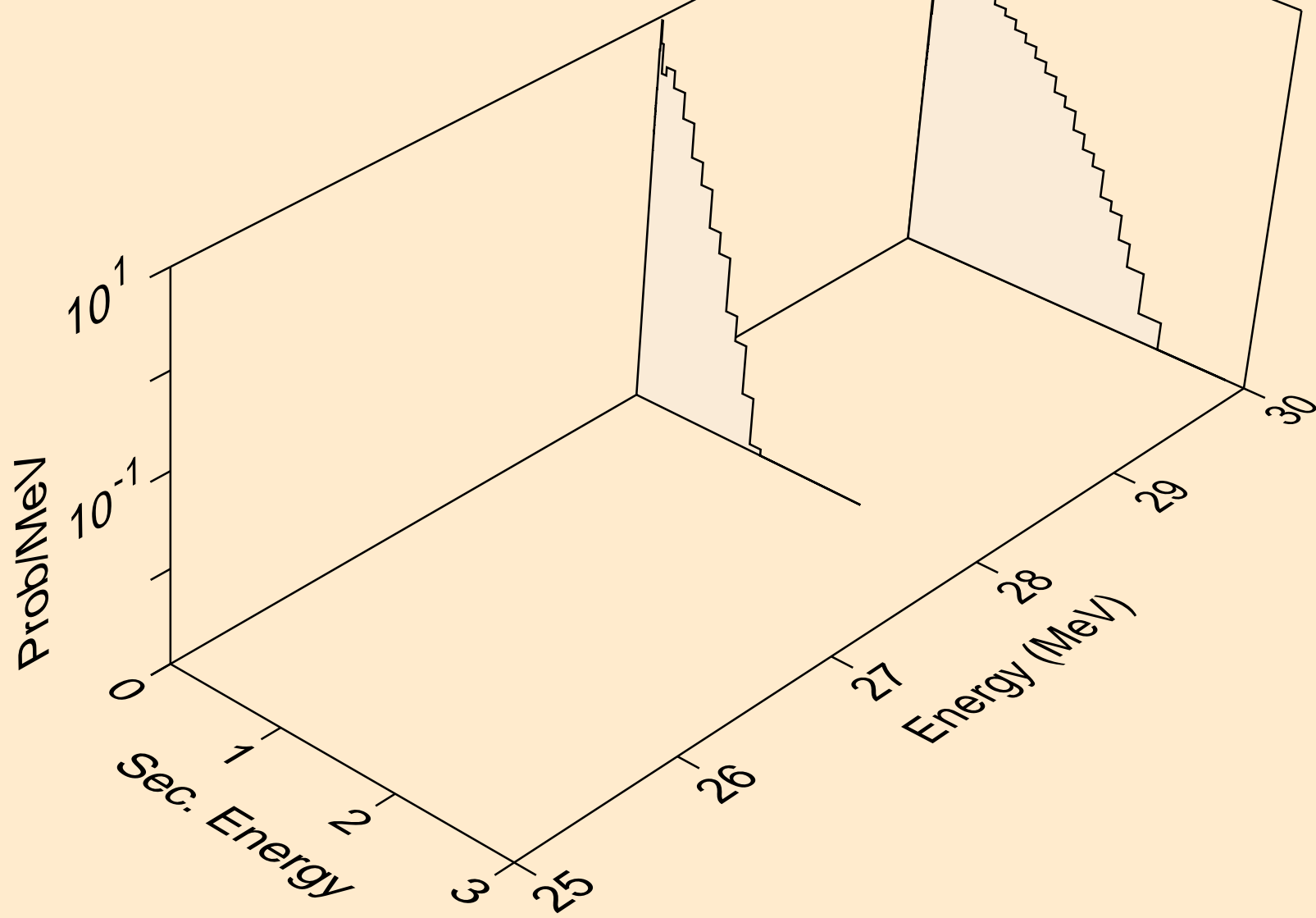
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angular distribution for (n,n\*30)



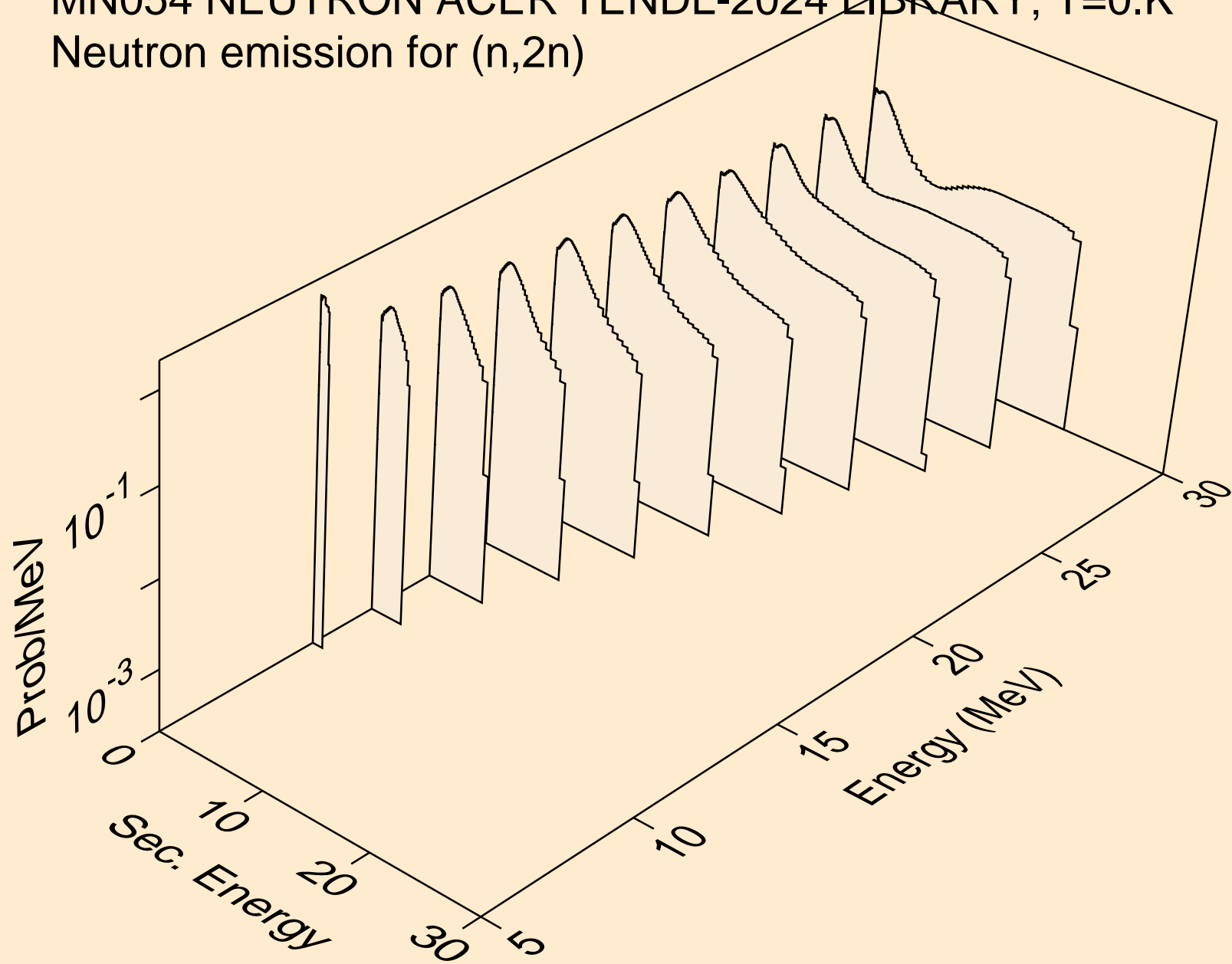
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



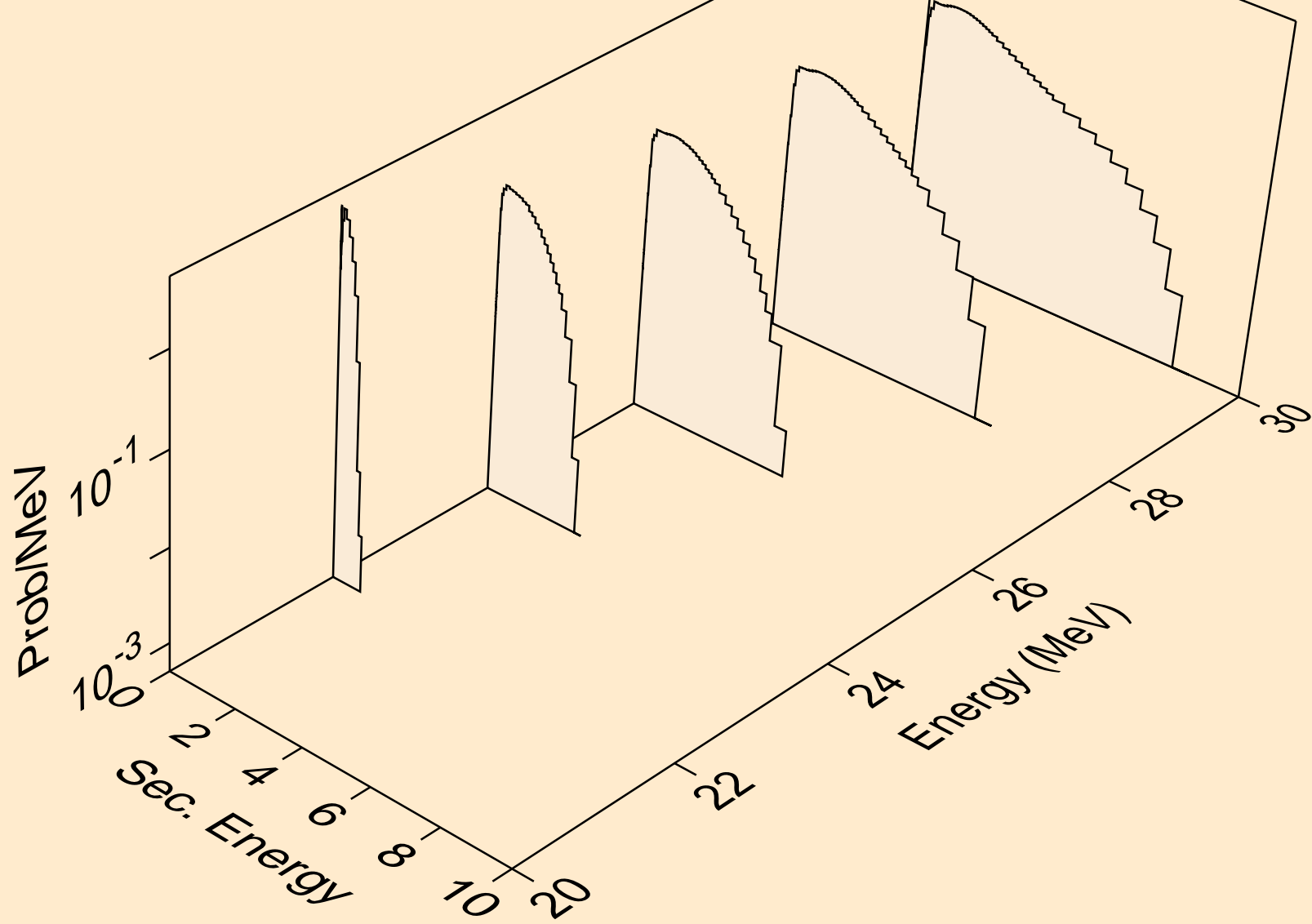
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)

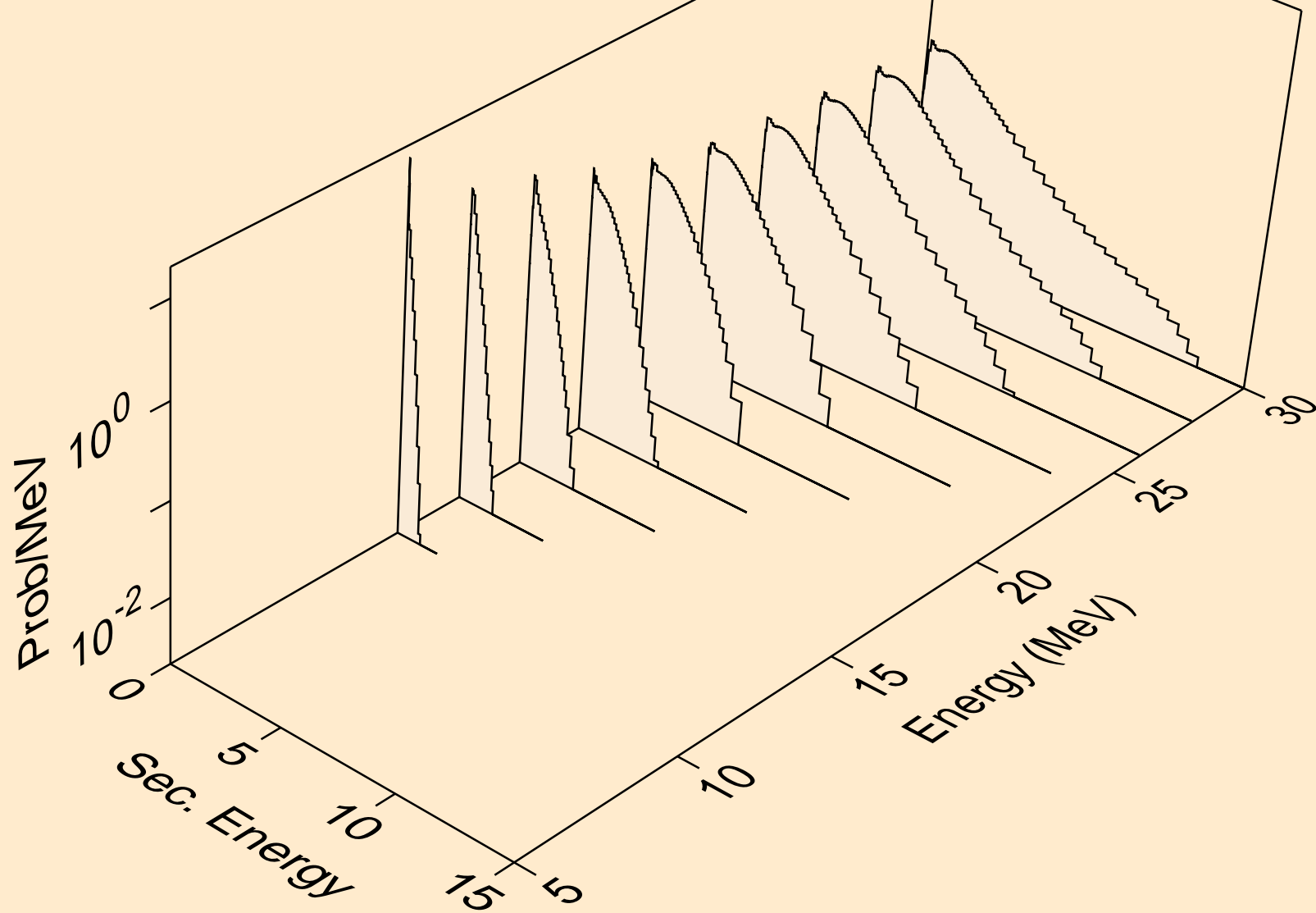


MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)

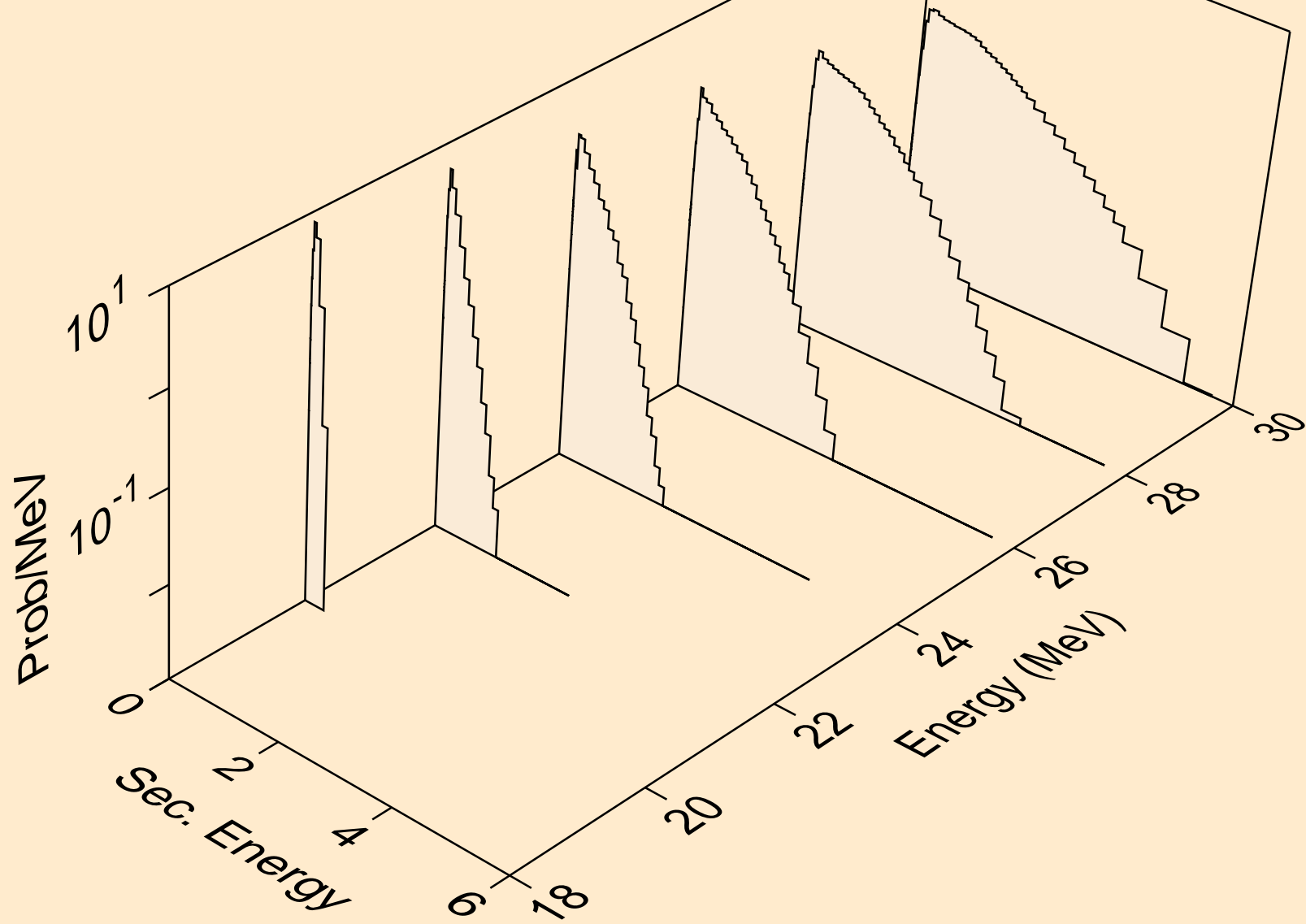




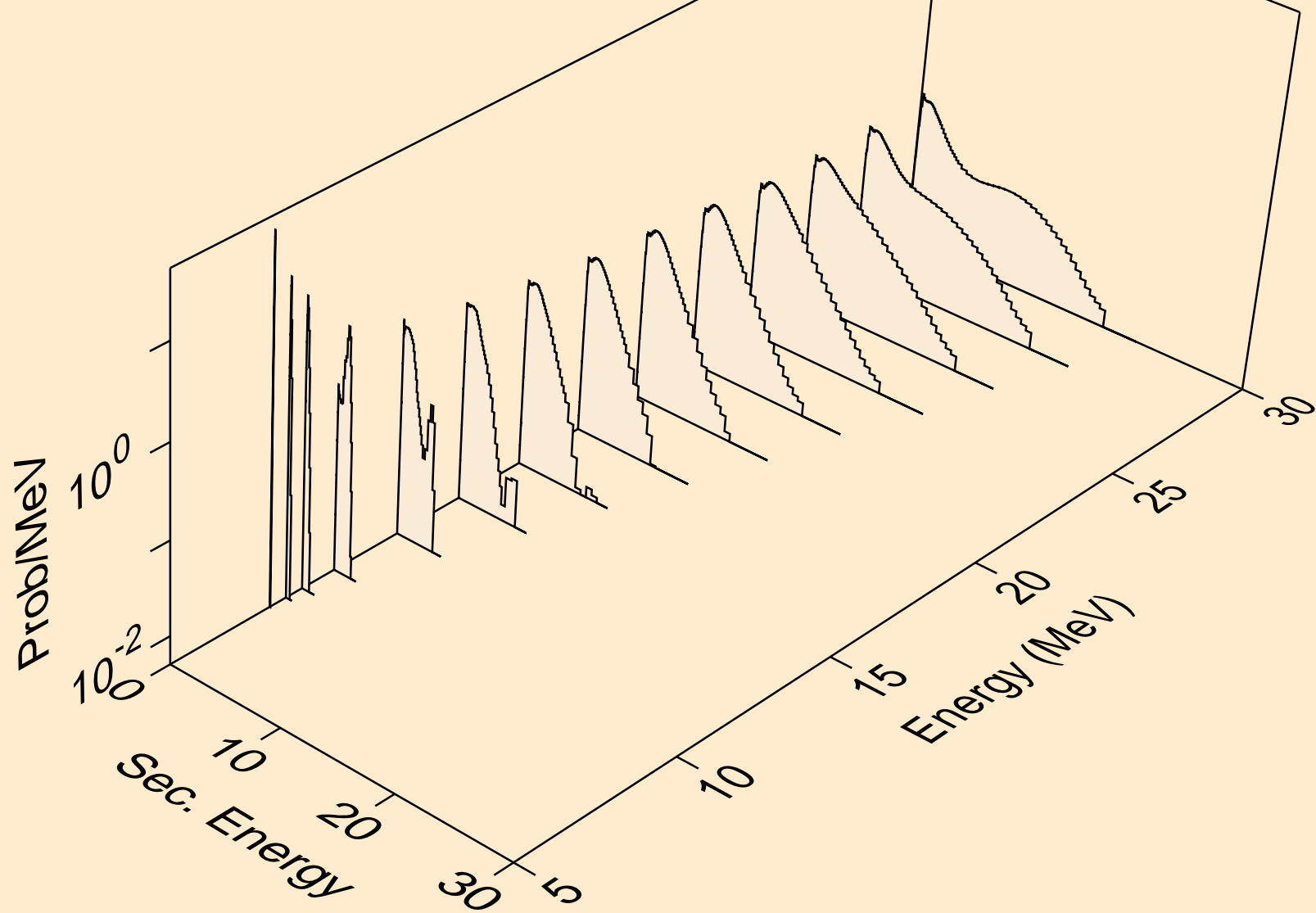
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



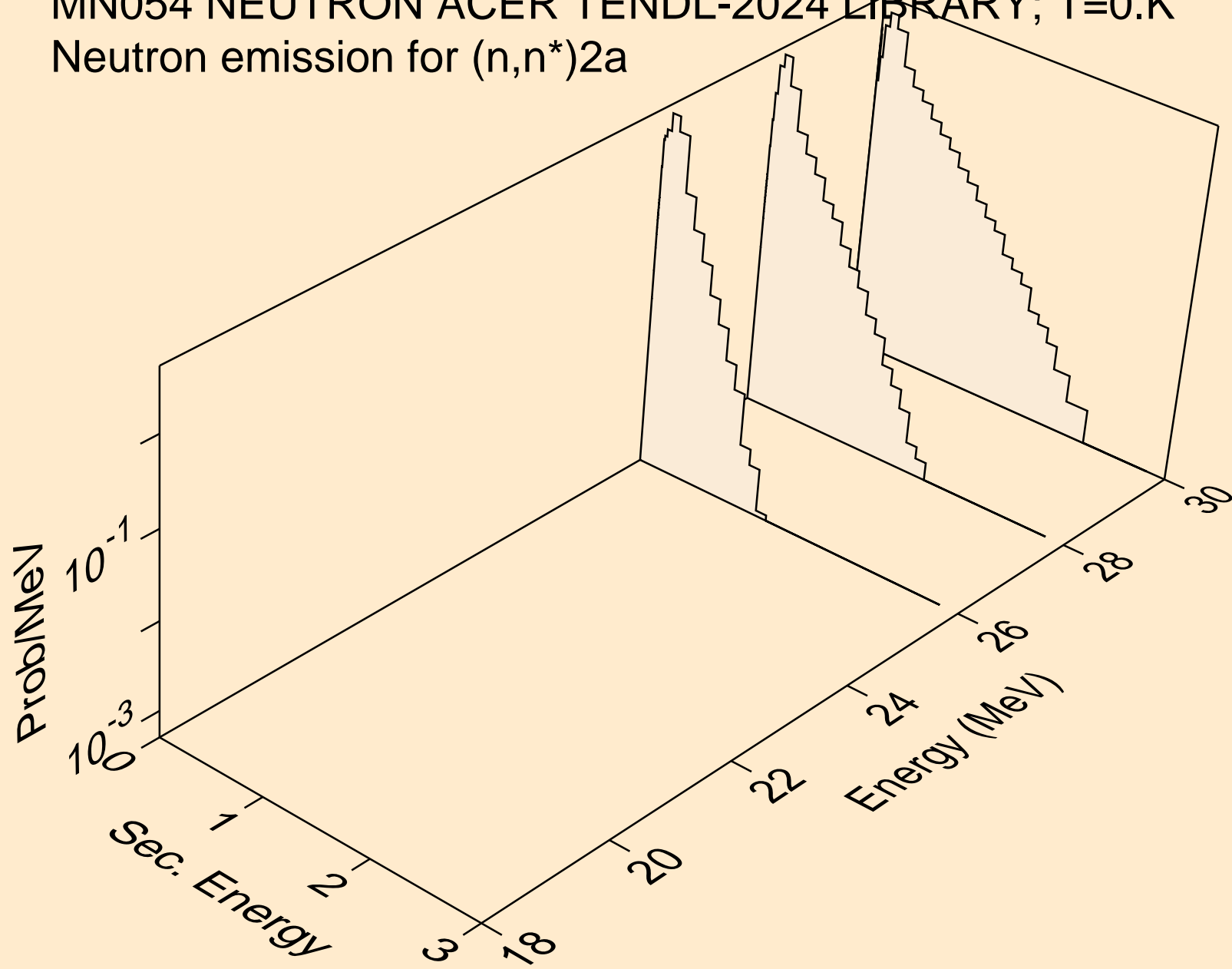
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



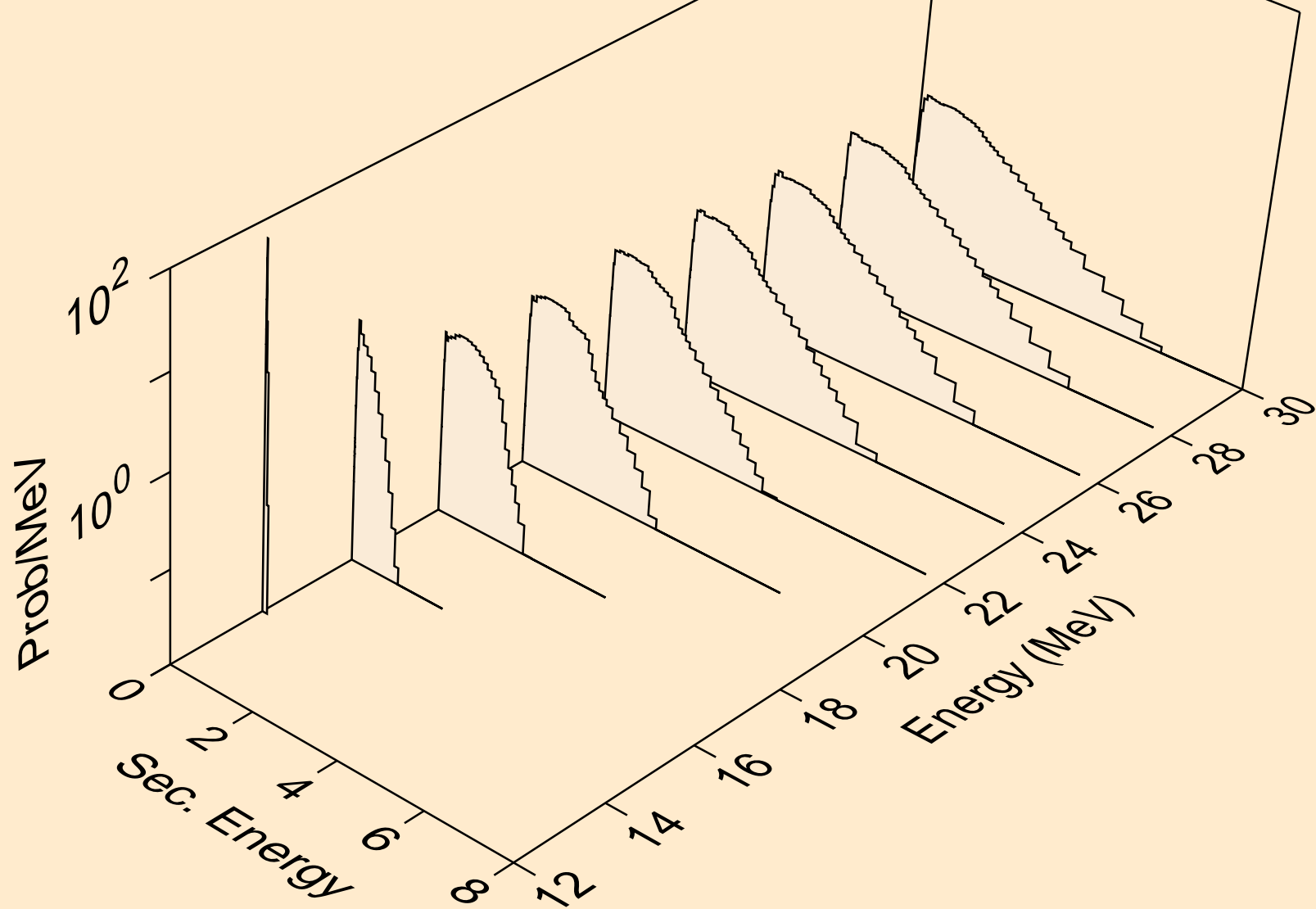
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



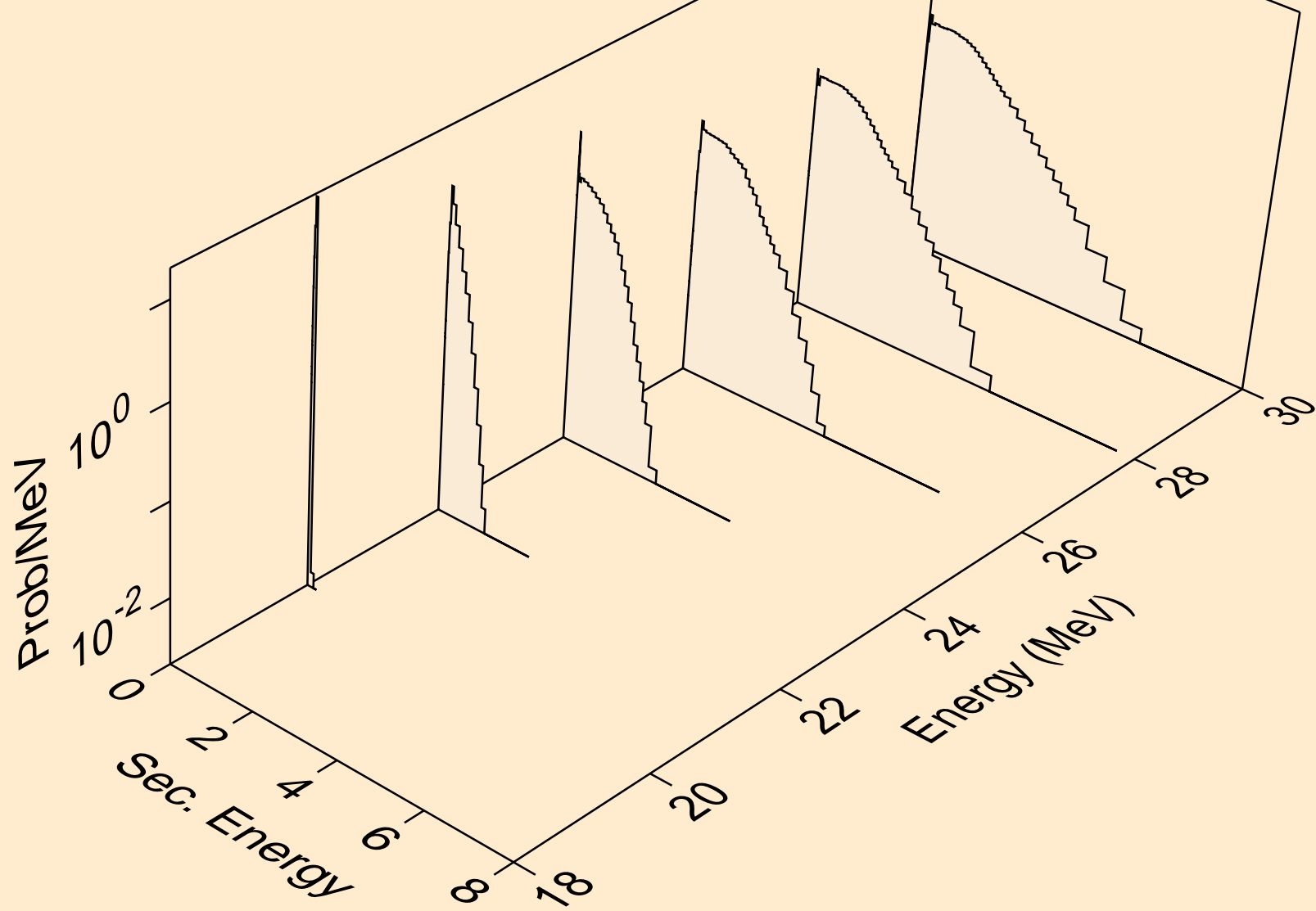
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



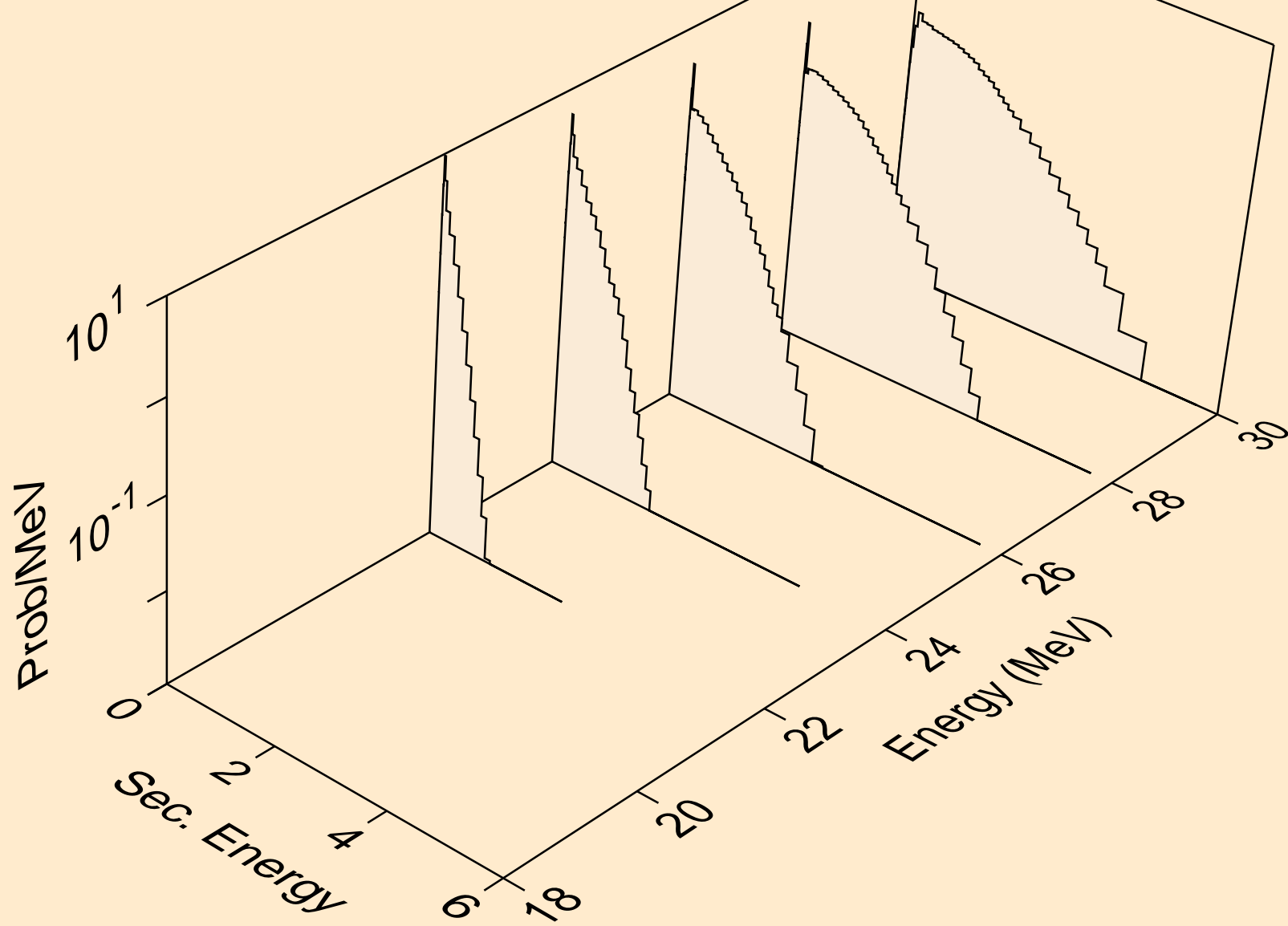
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



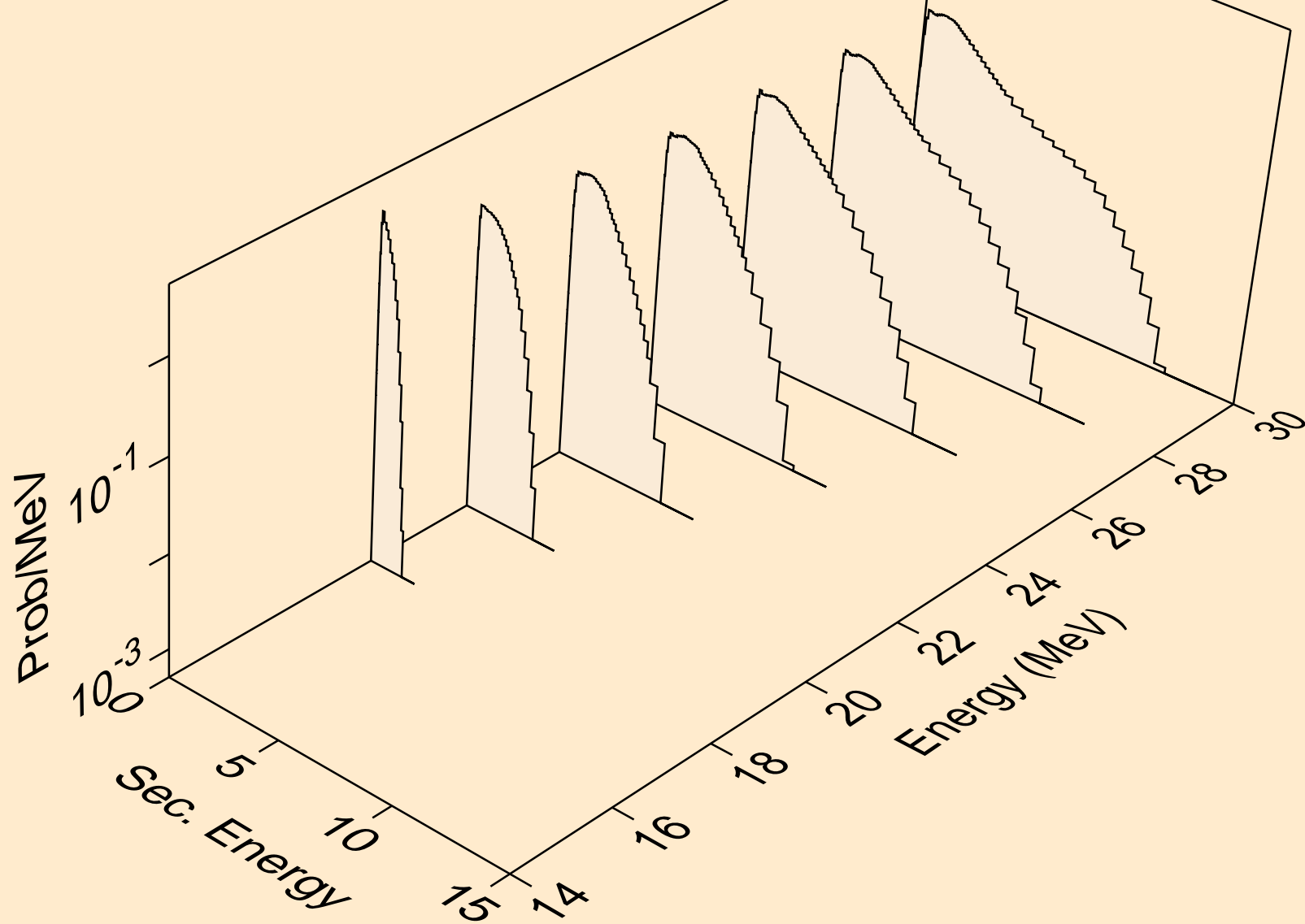
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3

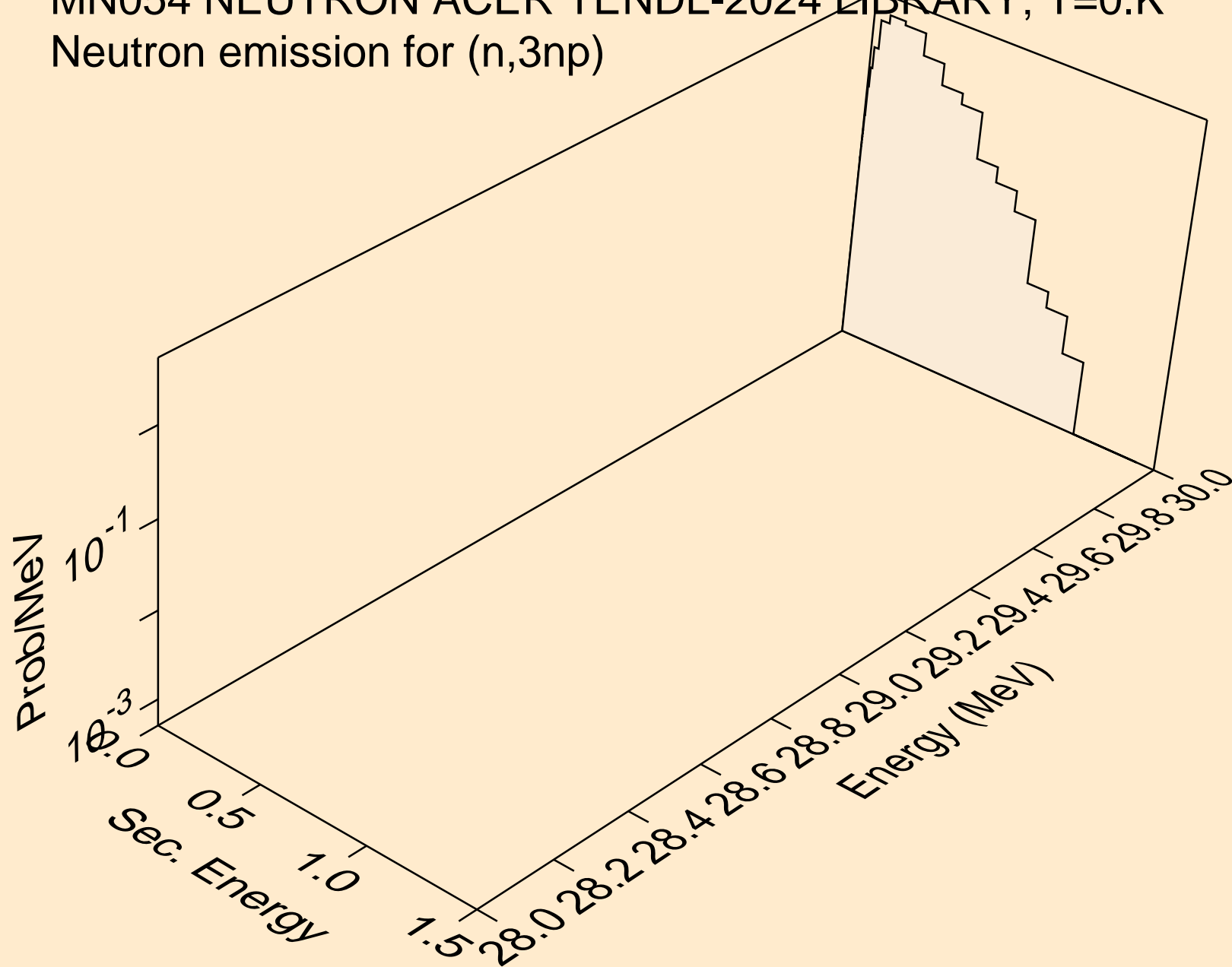


MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)

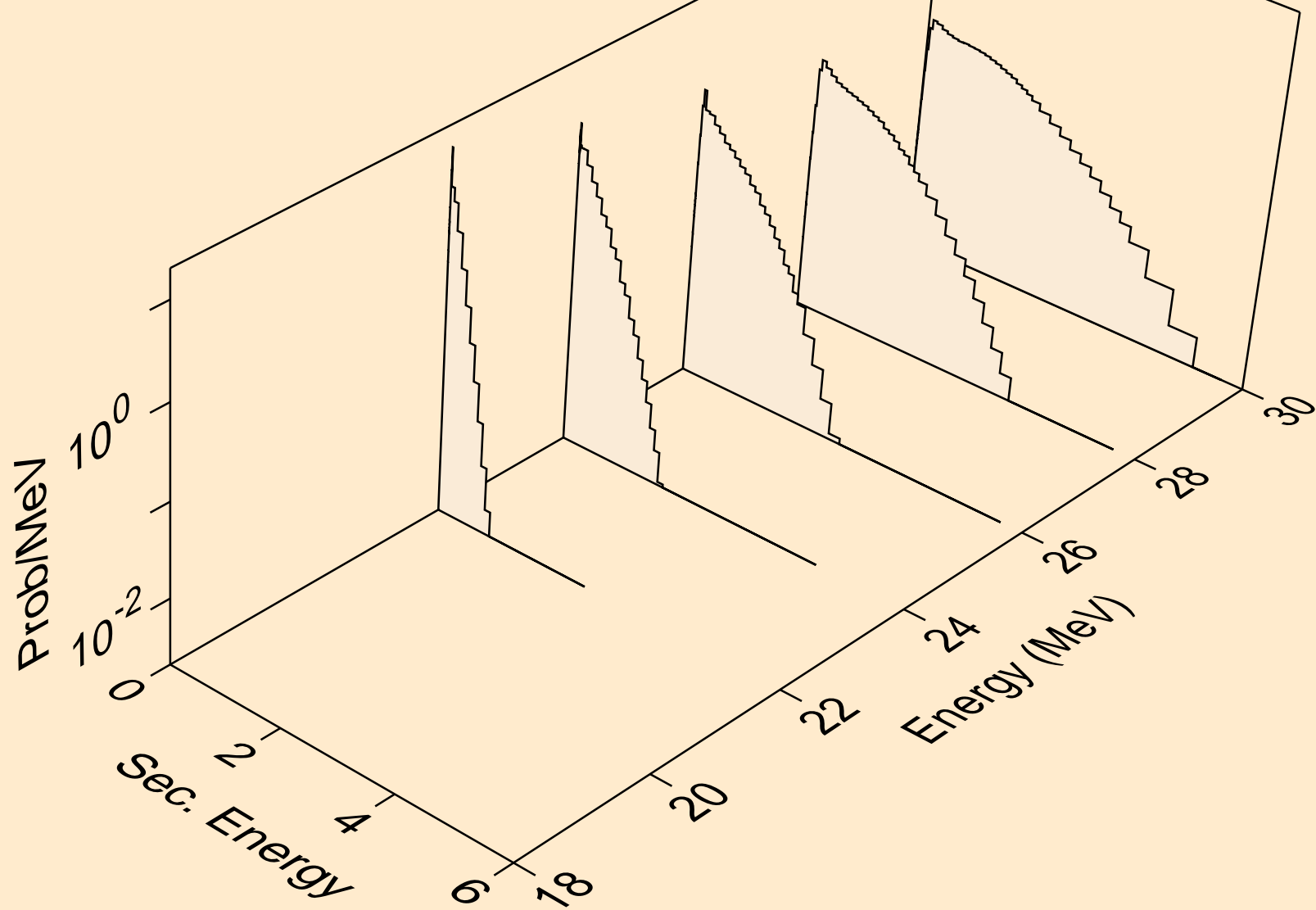




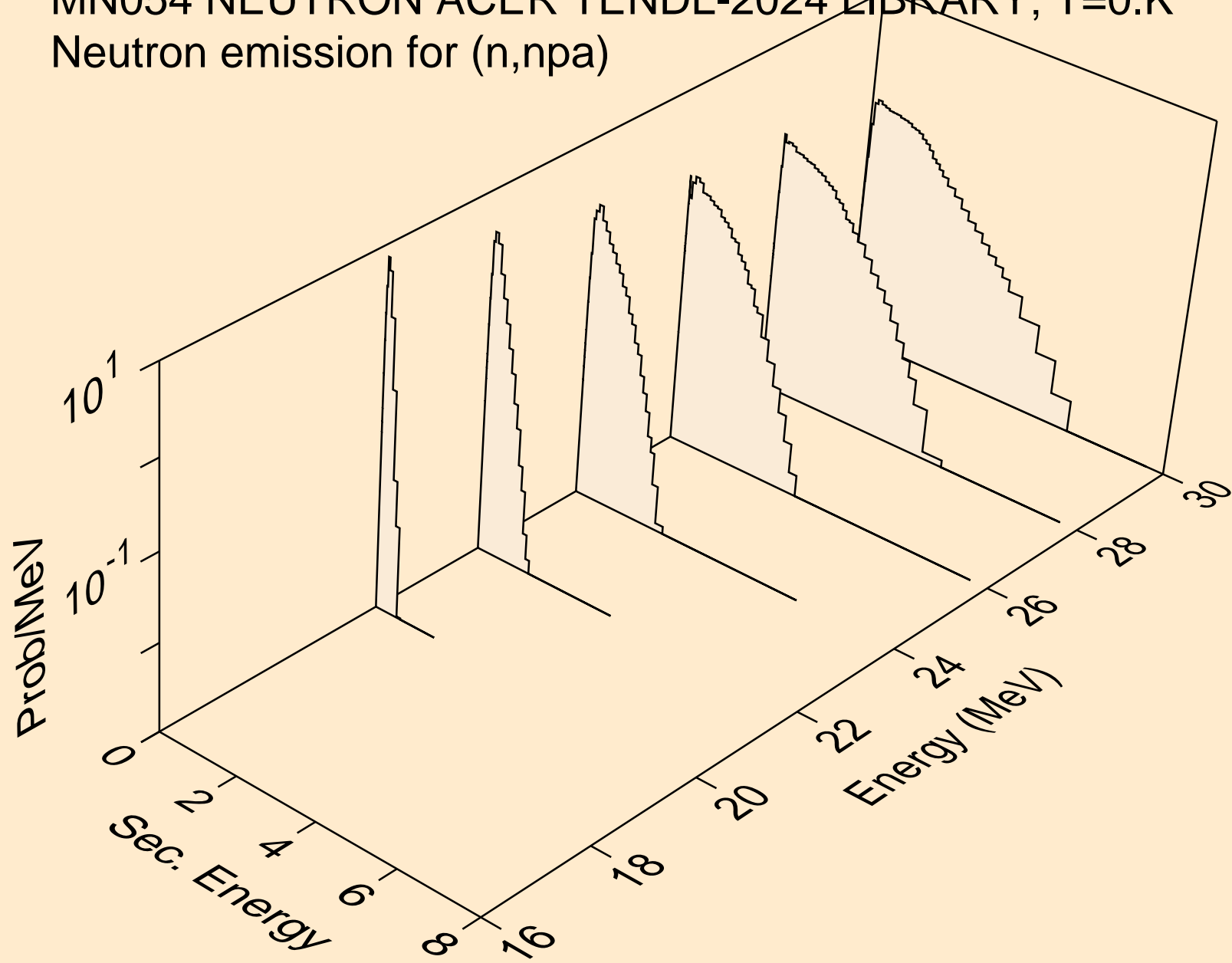
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)



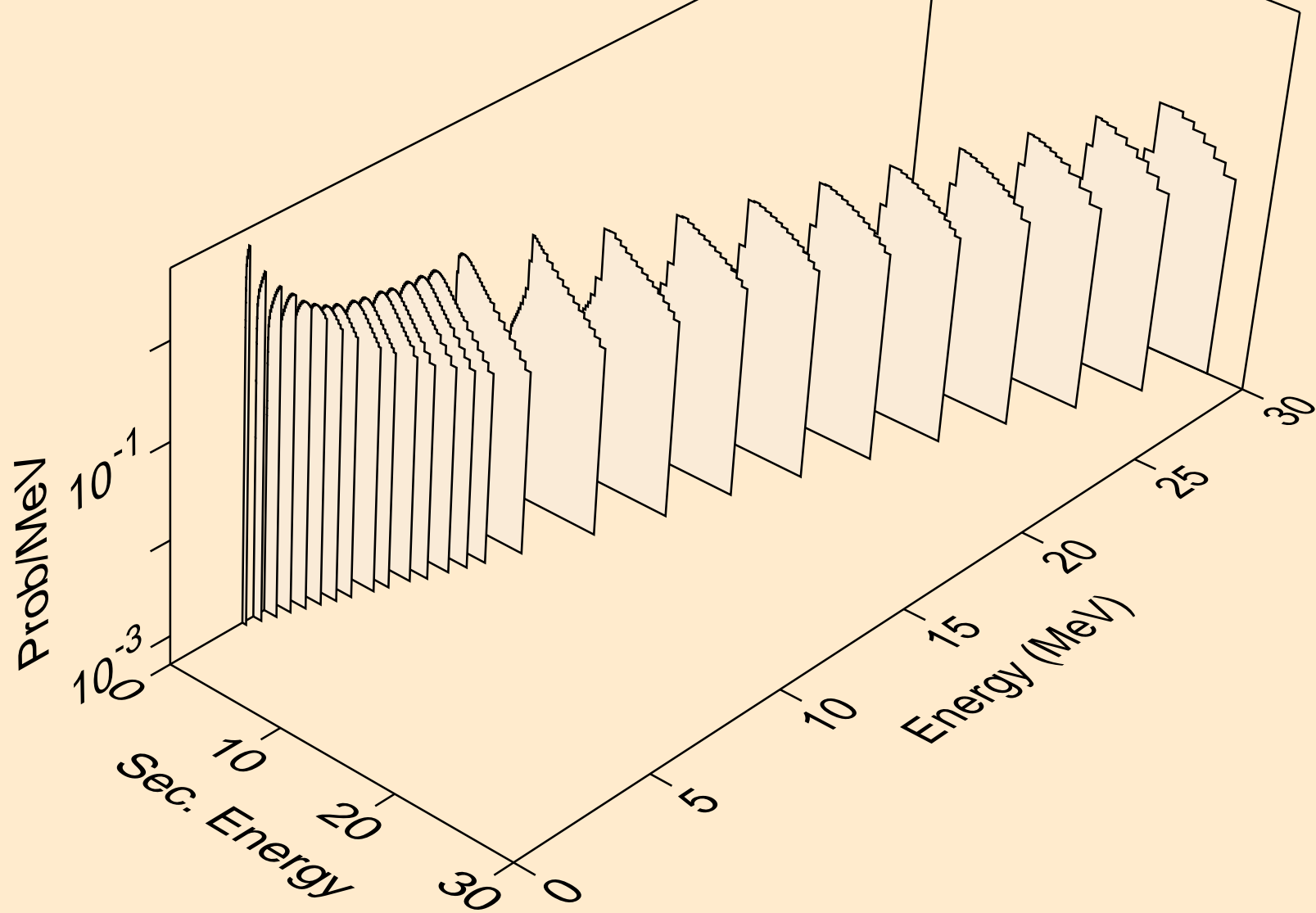
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



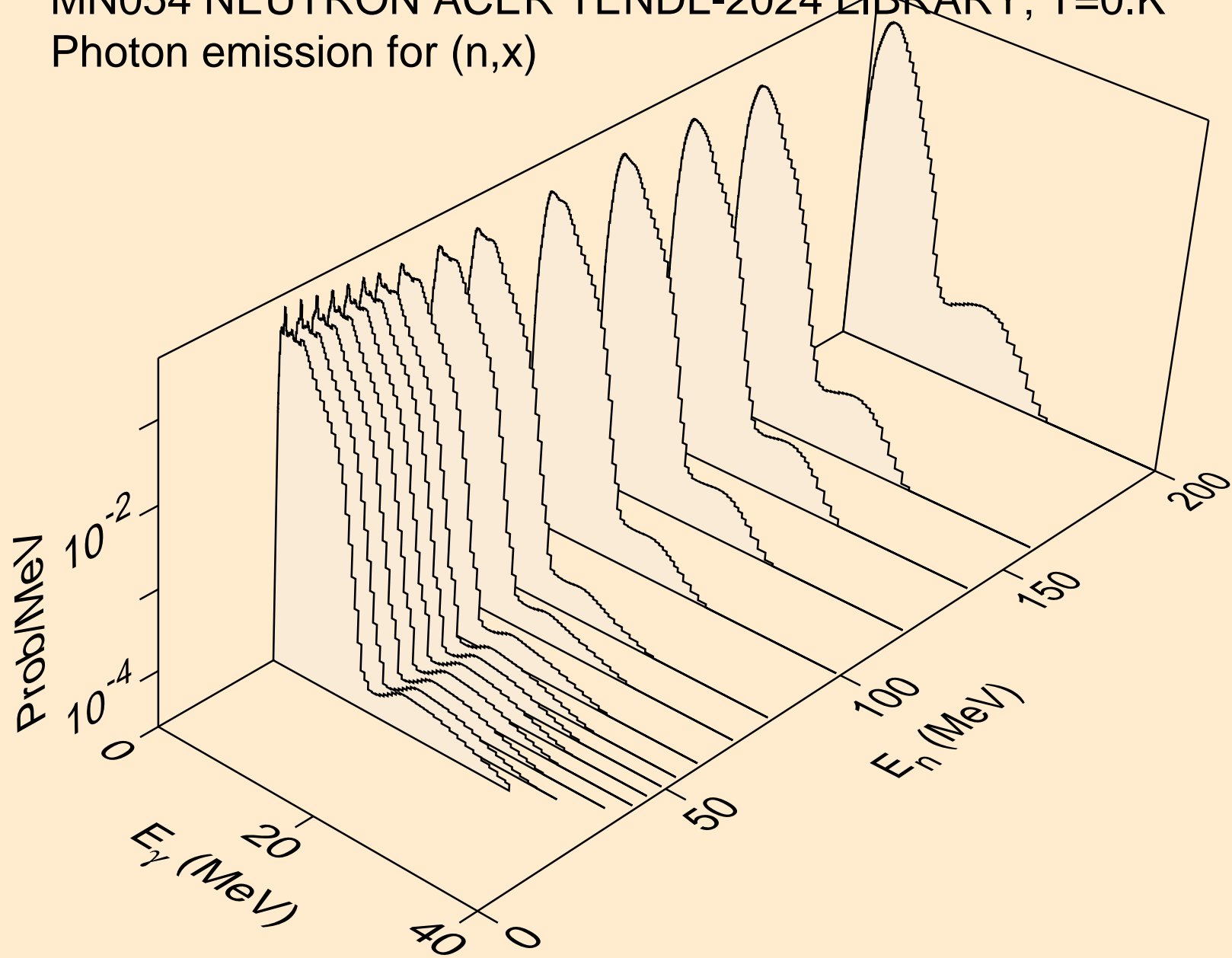
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)



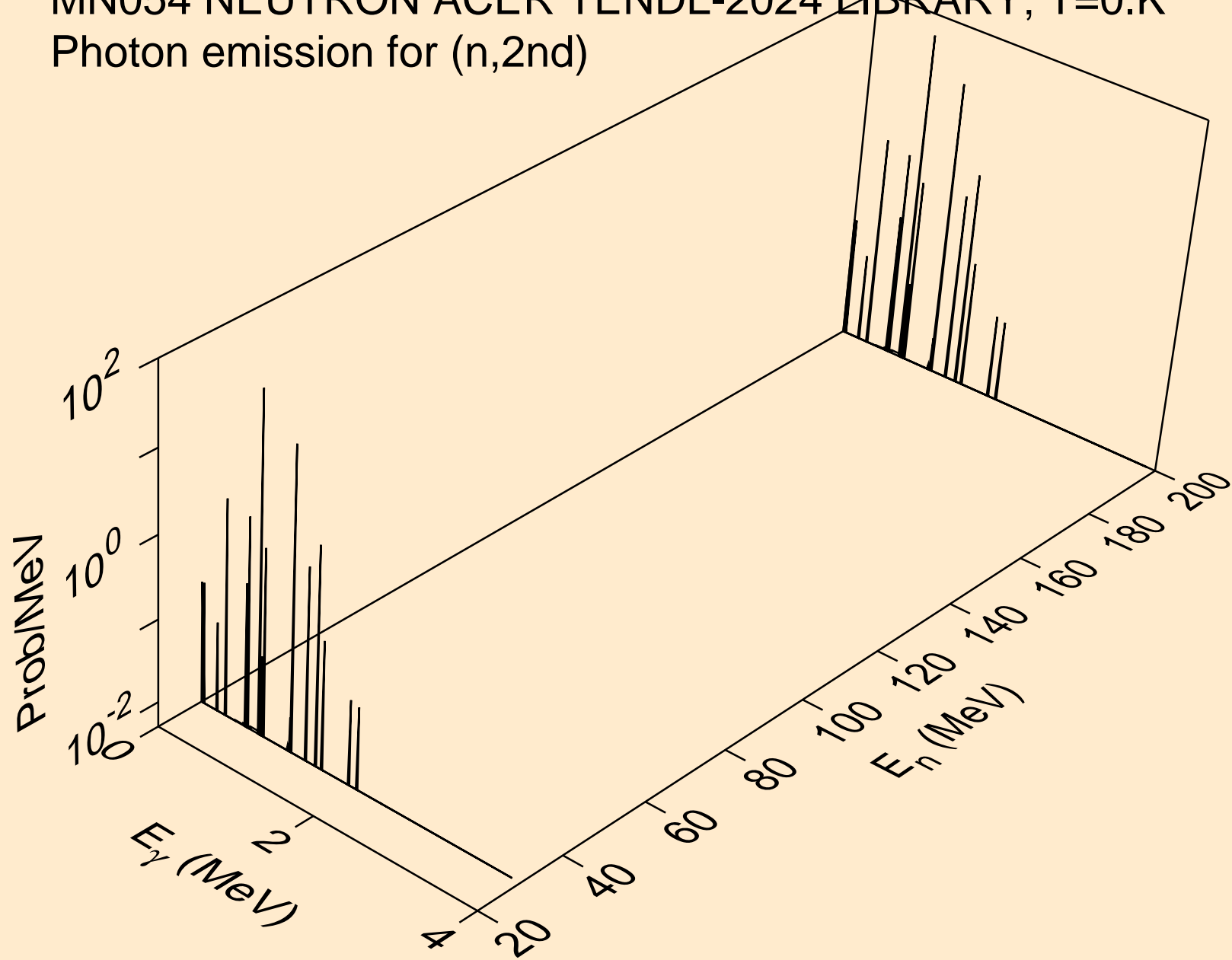
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



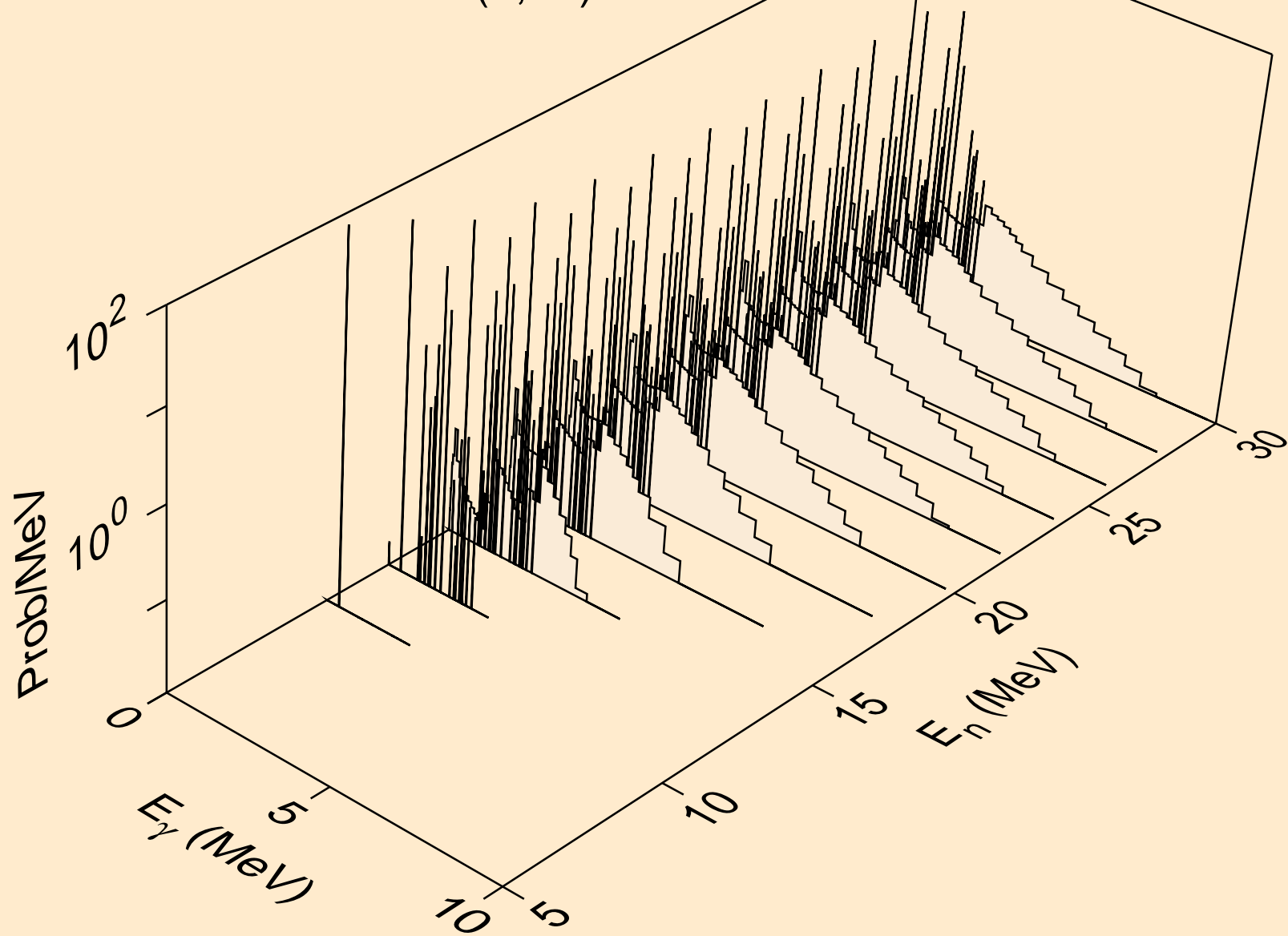
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



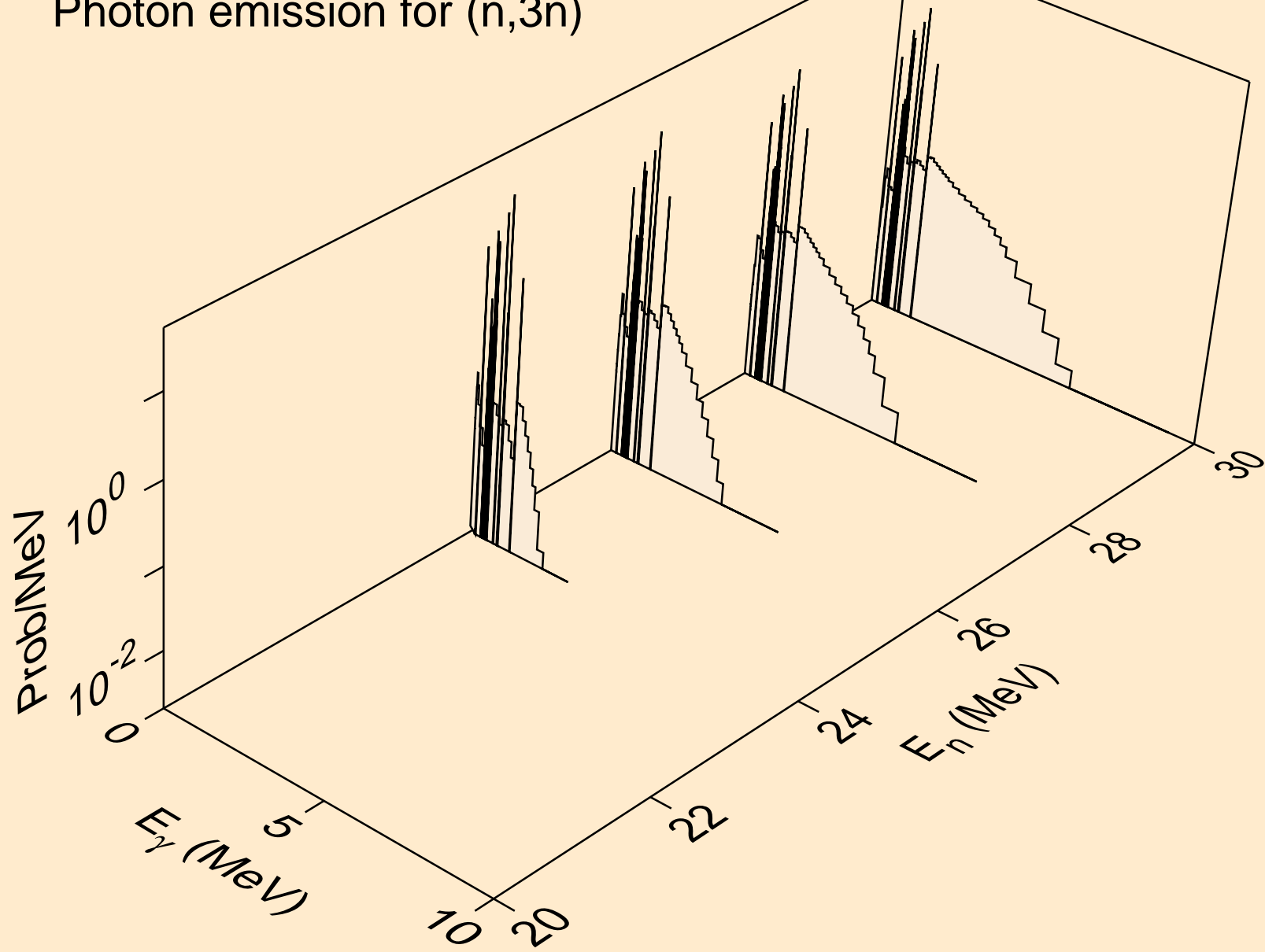
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)

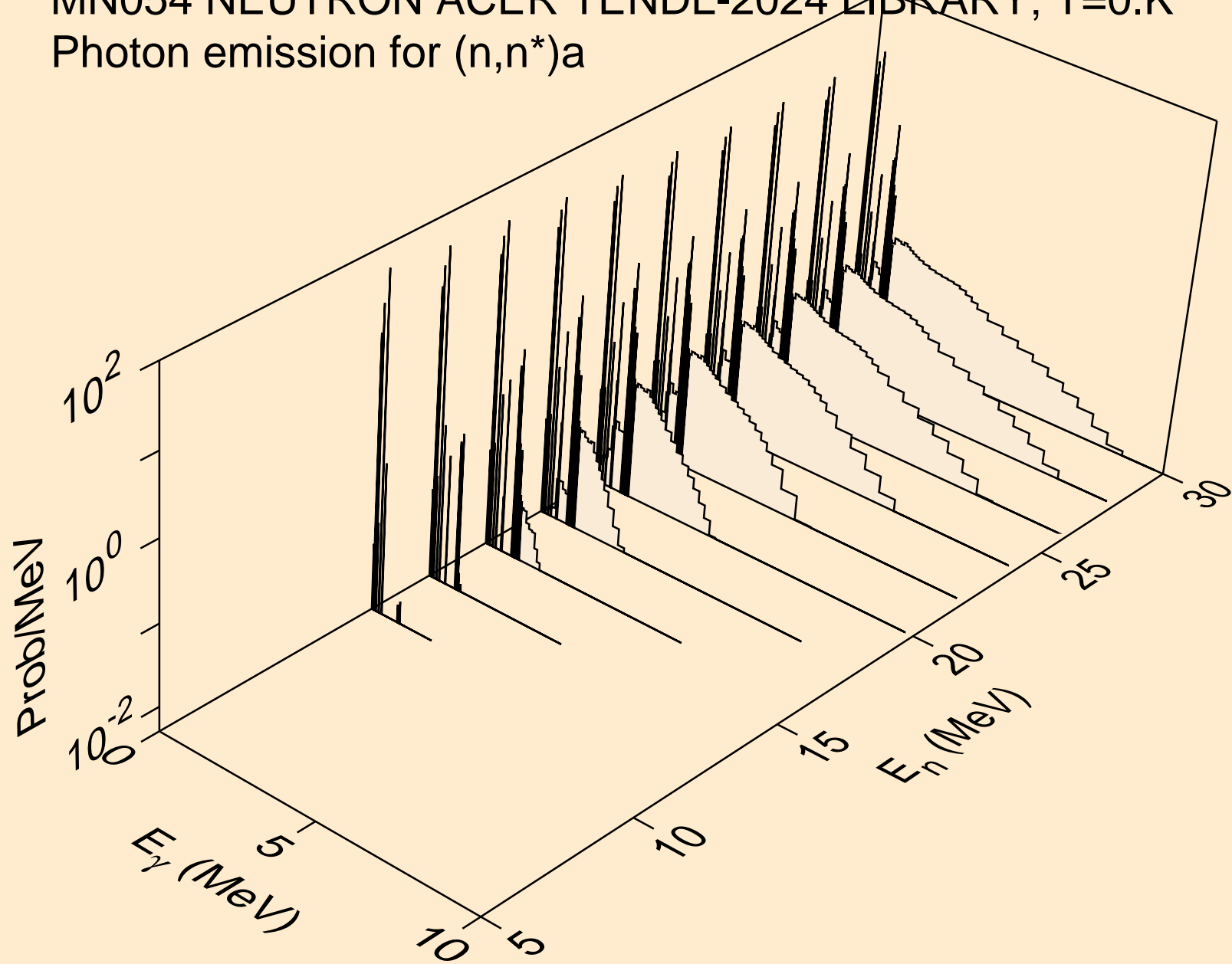


MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)

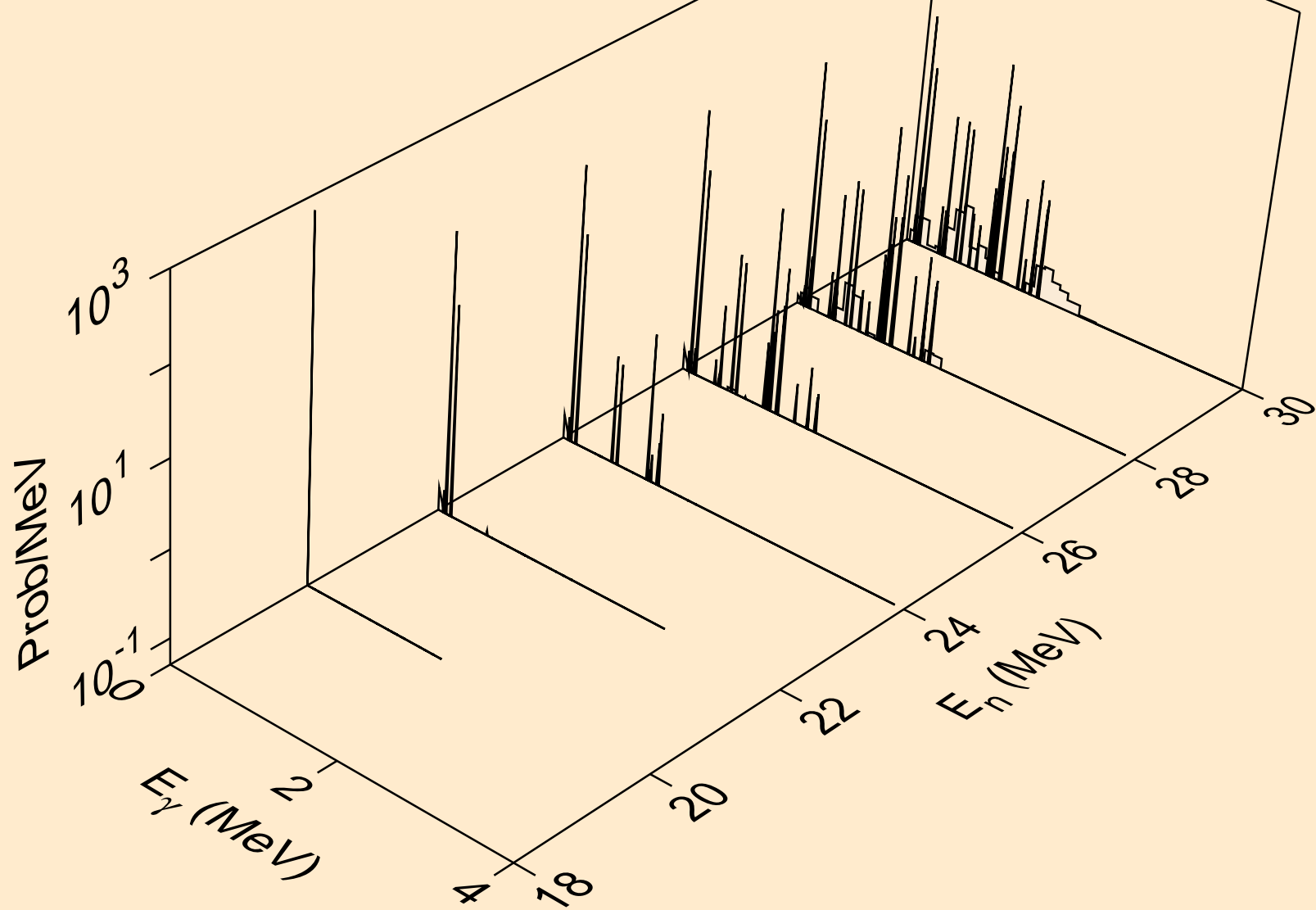




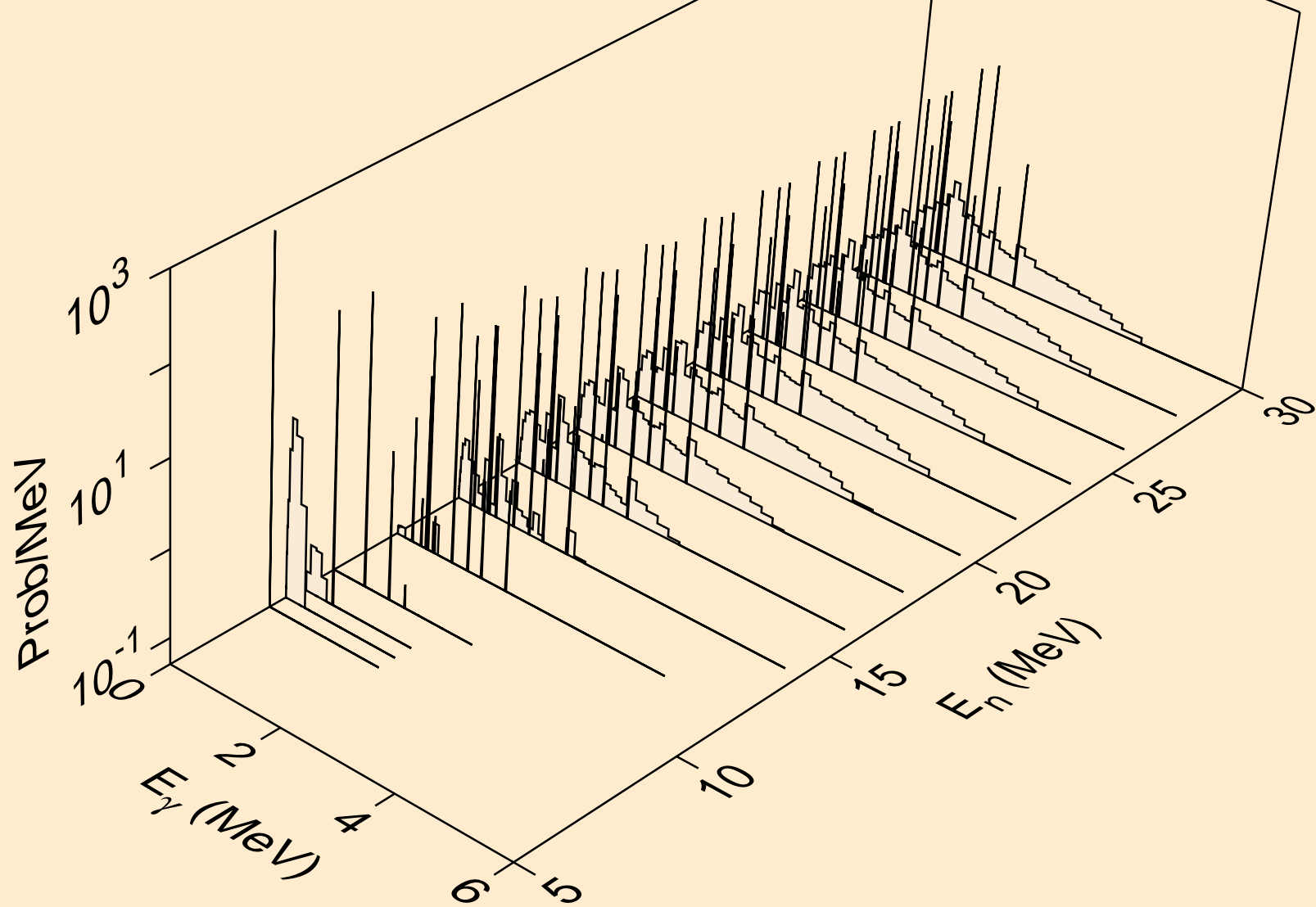
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



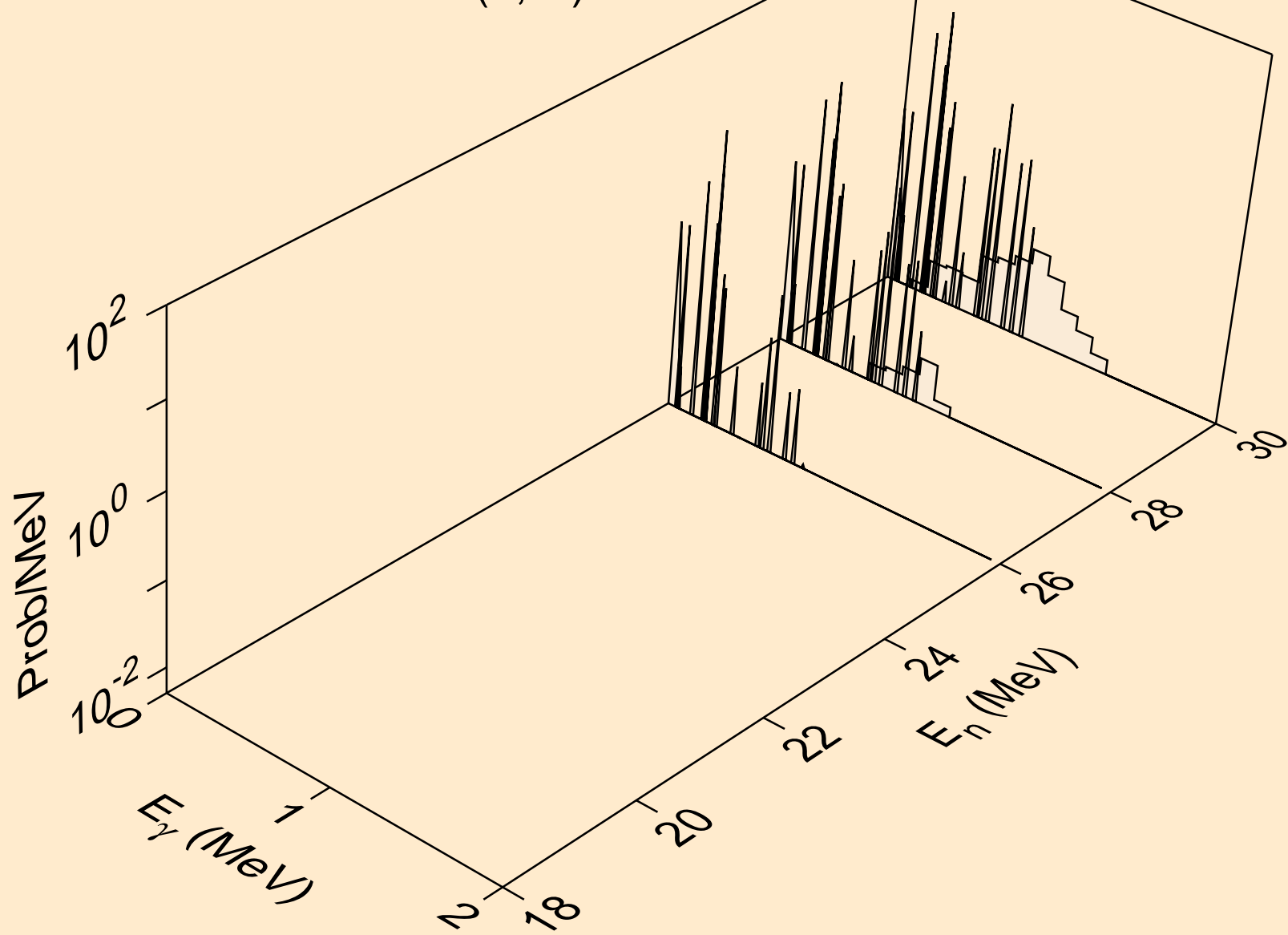
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



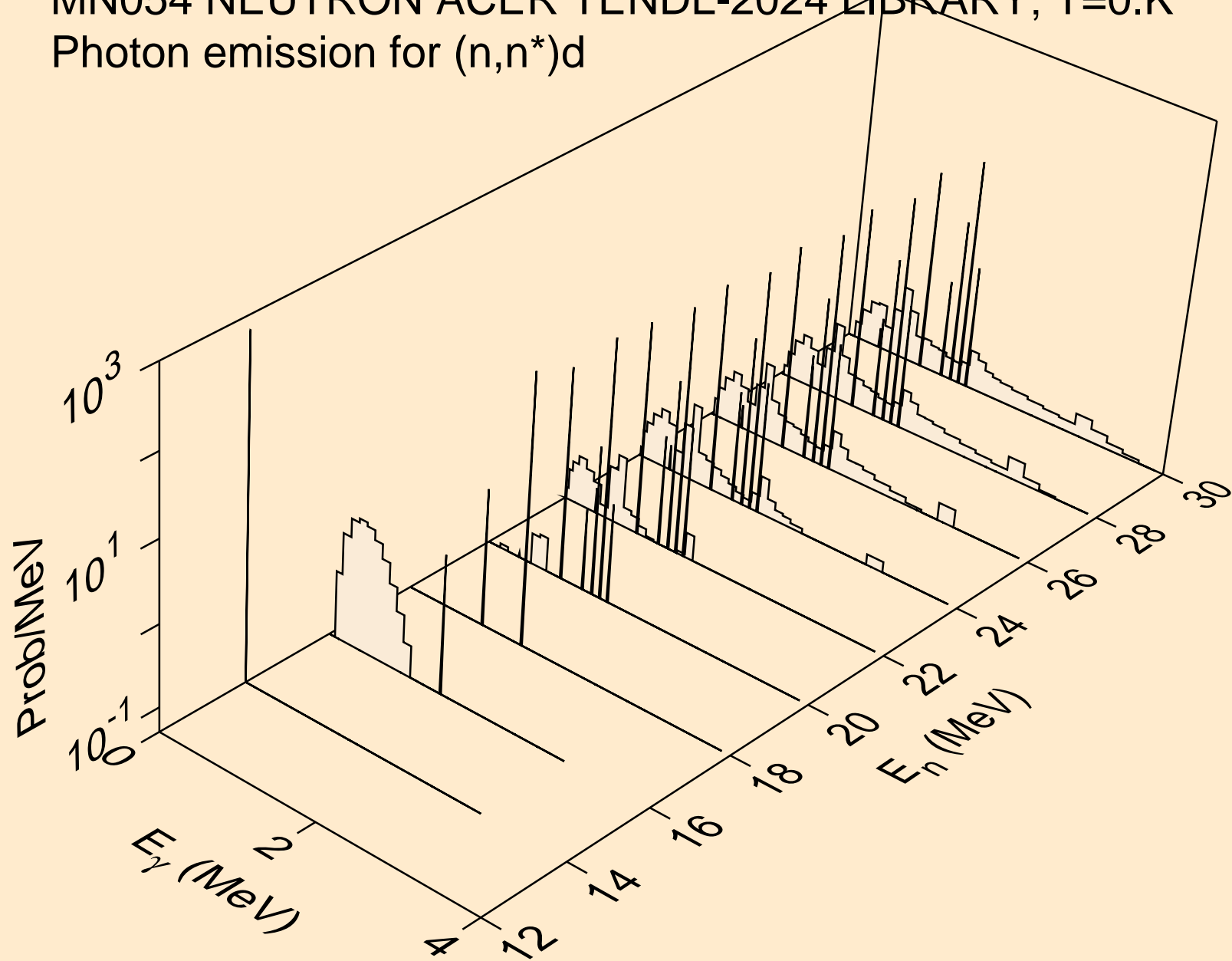
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



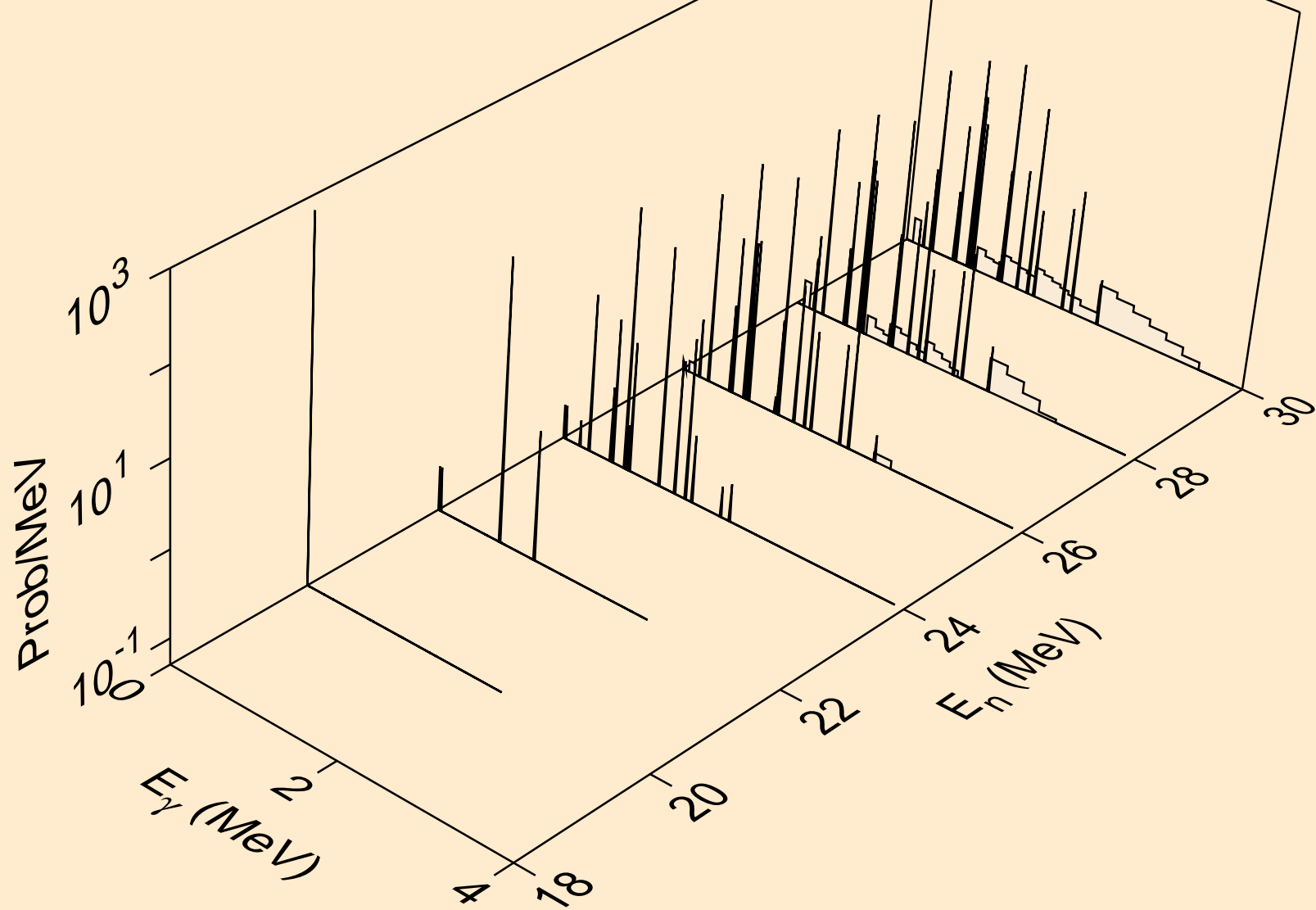
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



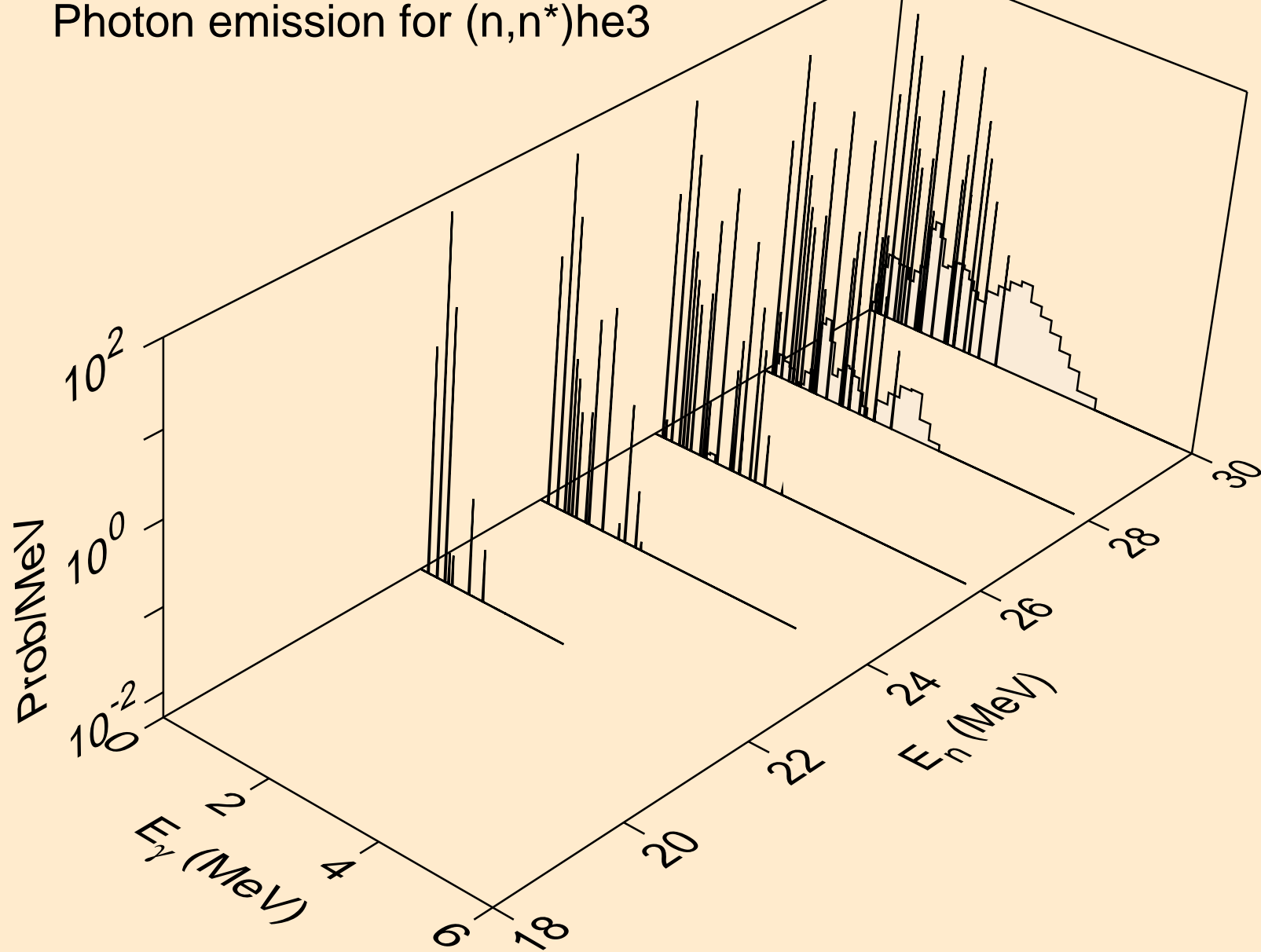
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



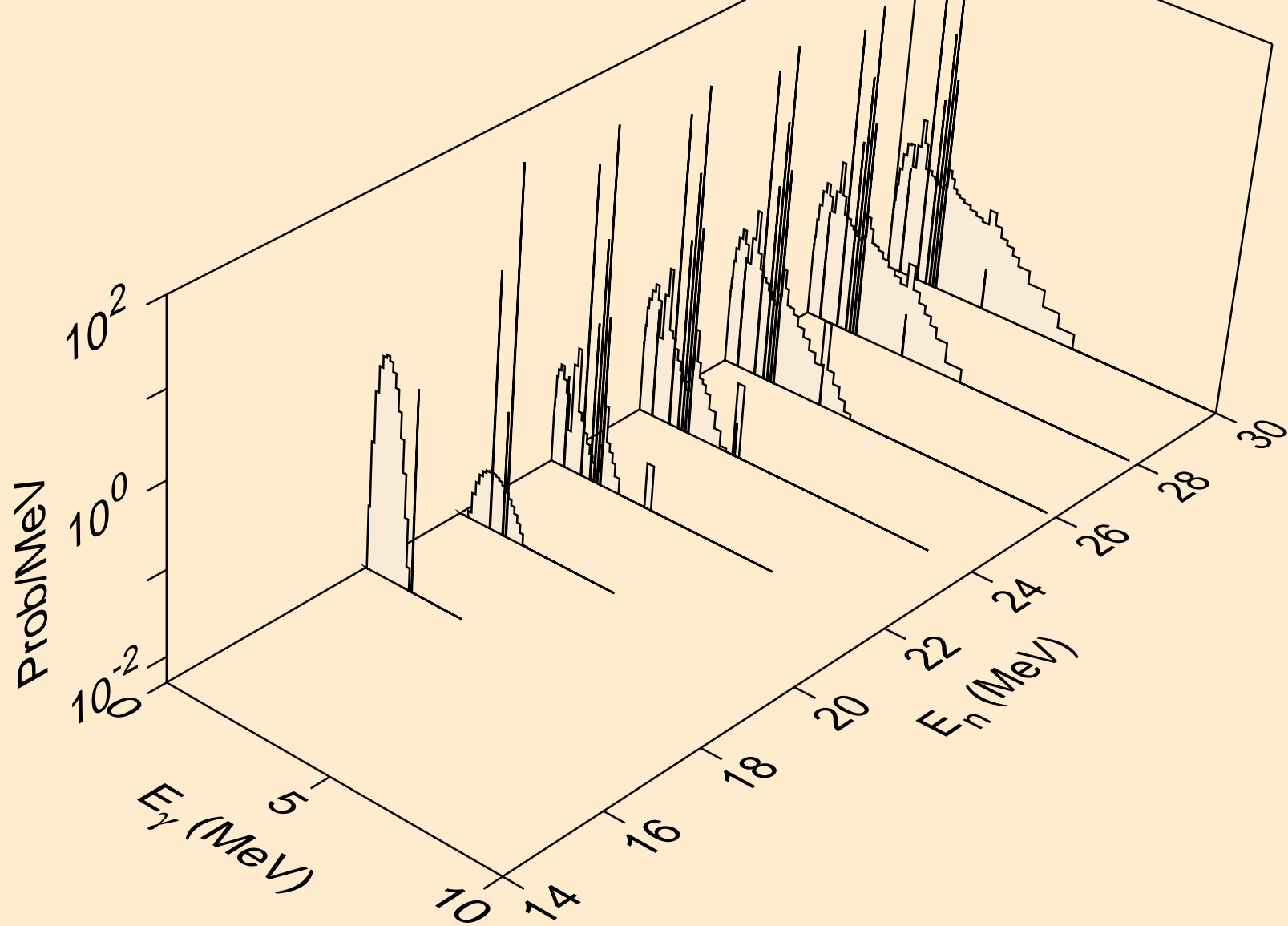
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

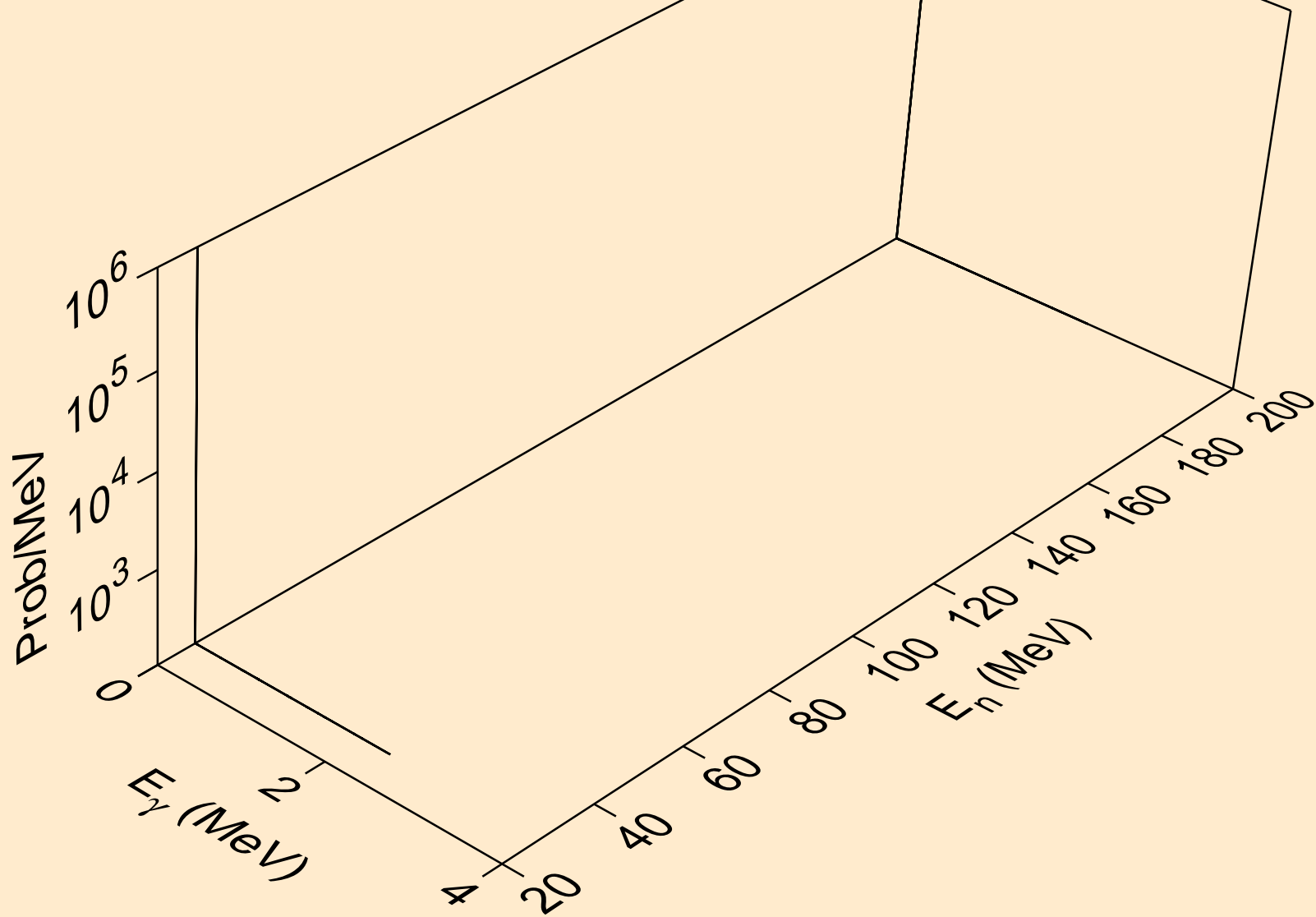


MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)

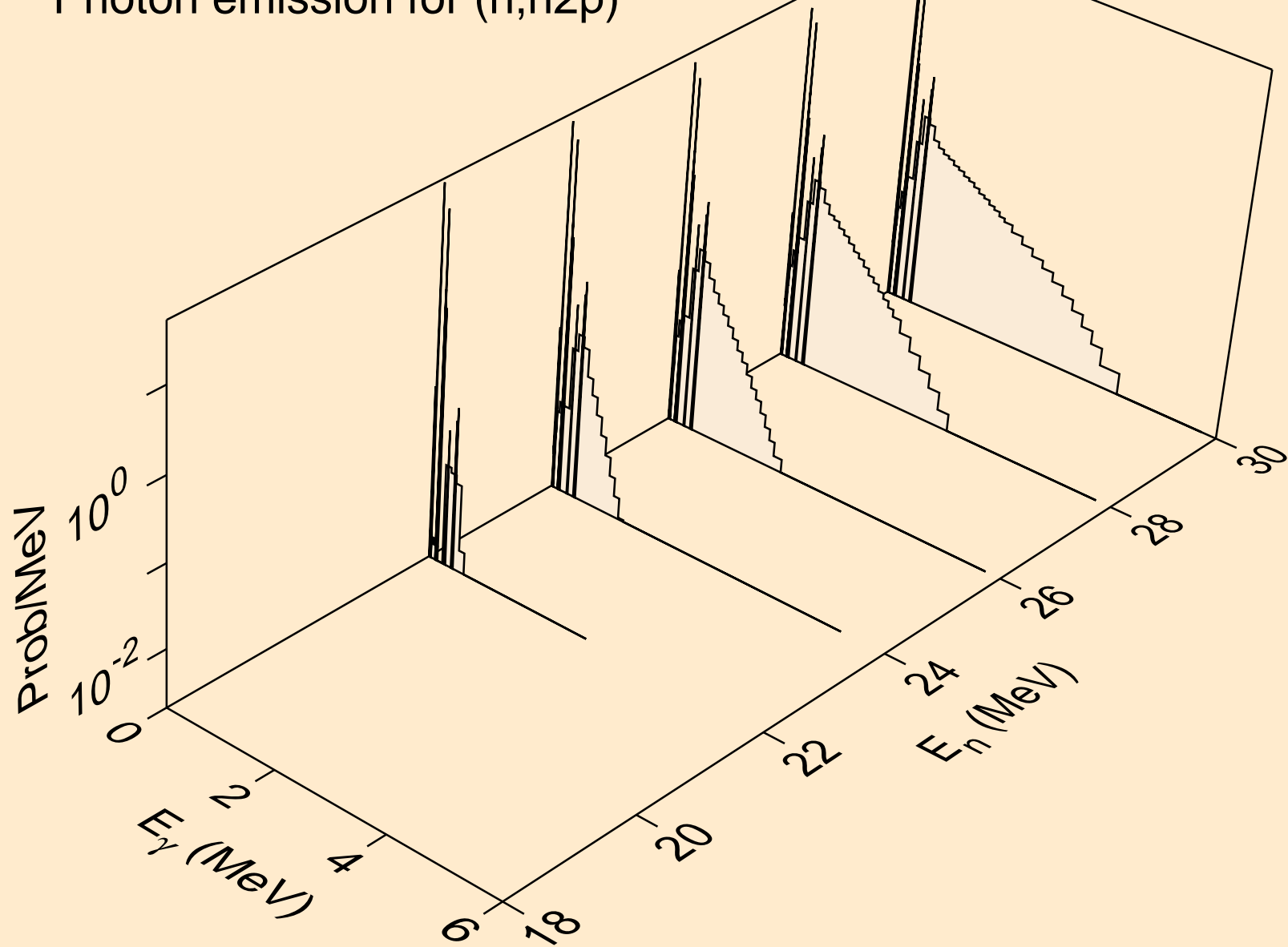




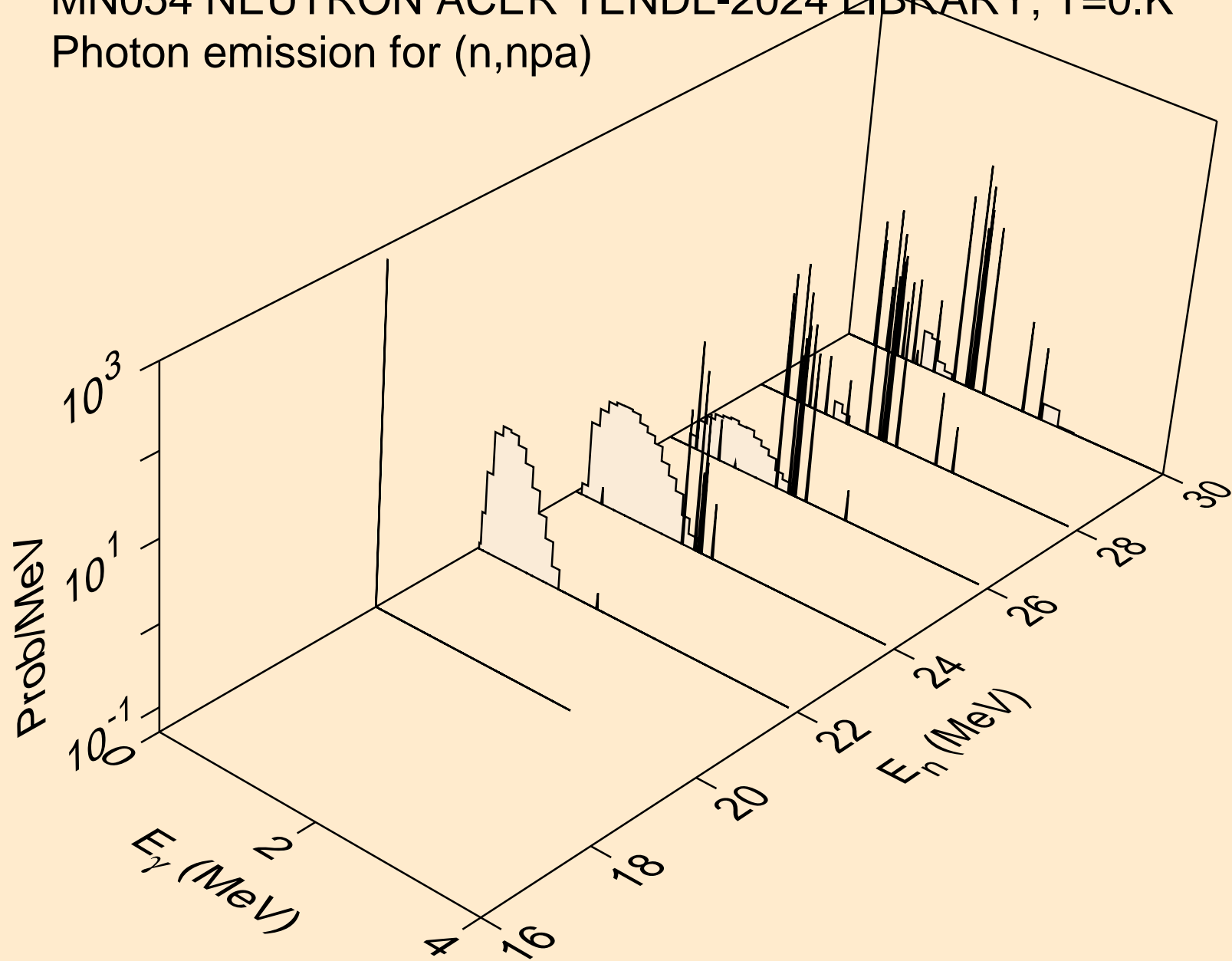
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)



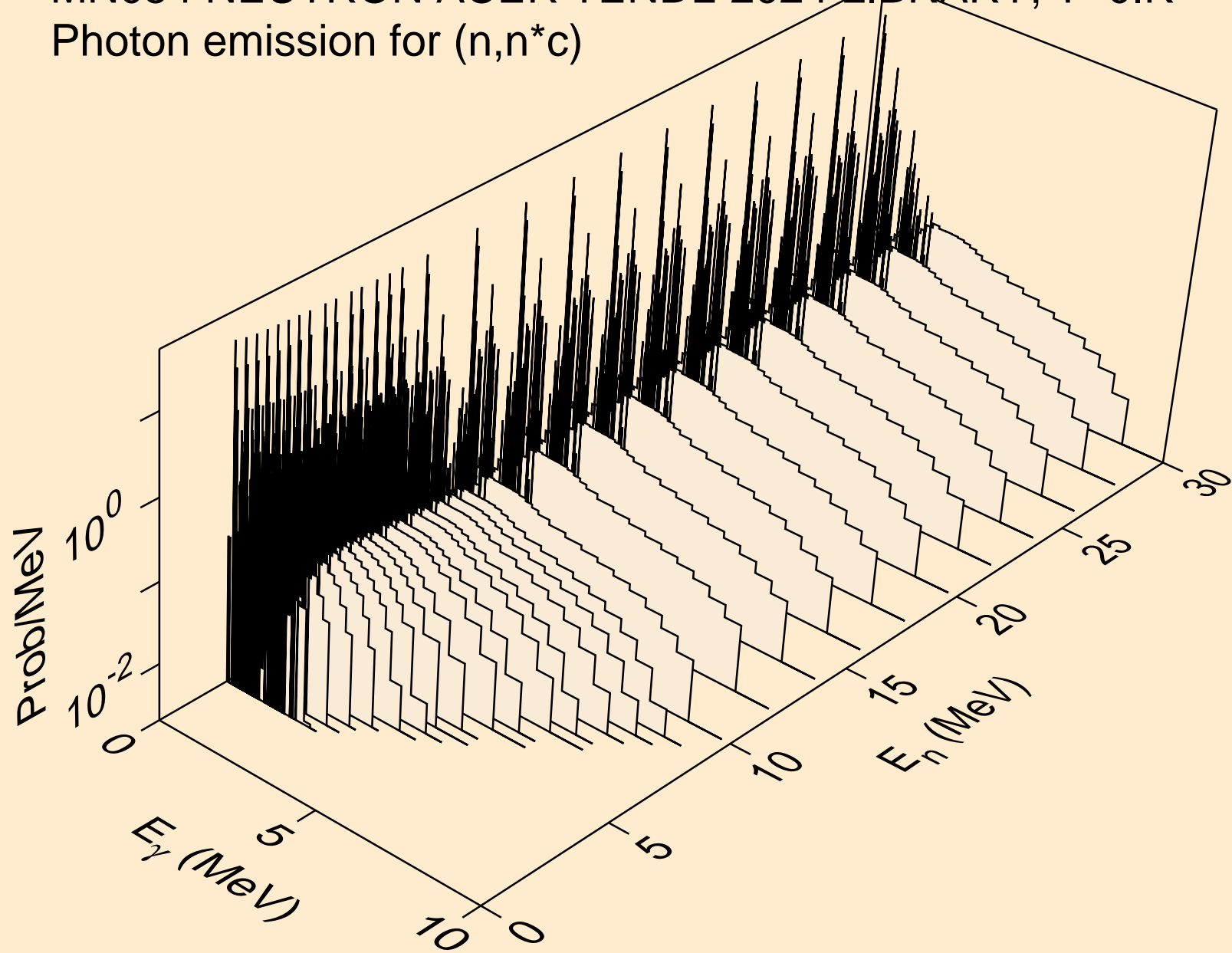
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Photon emission for (n,n2p)



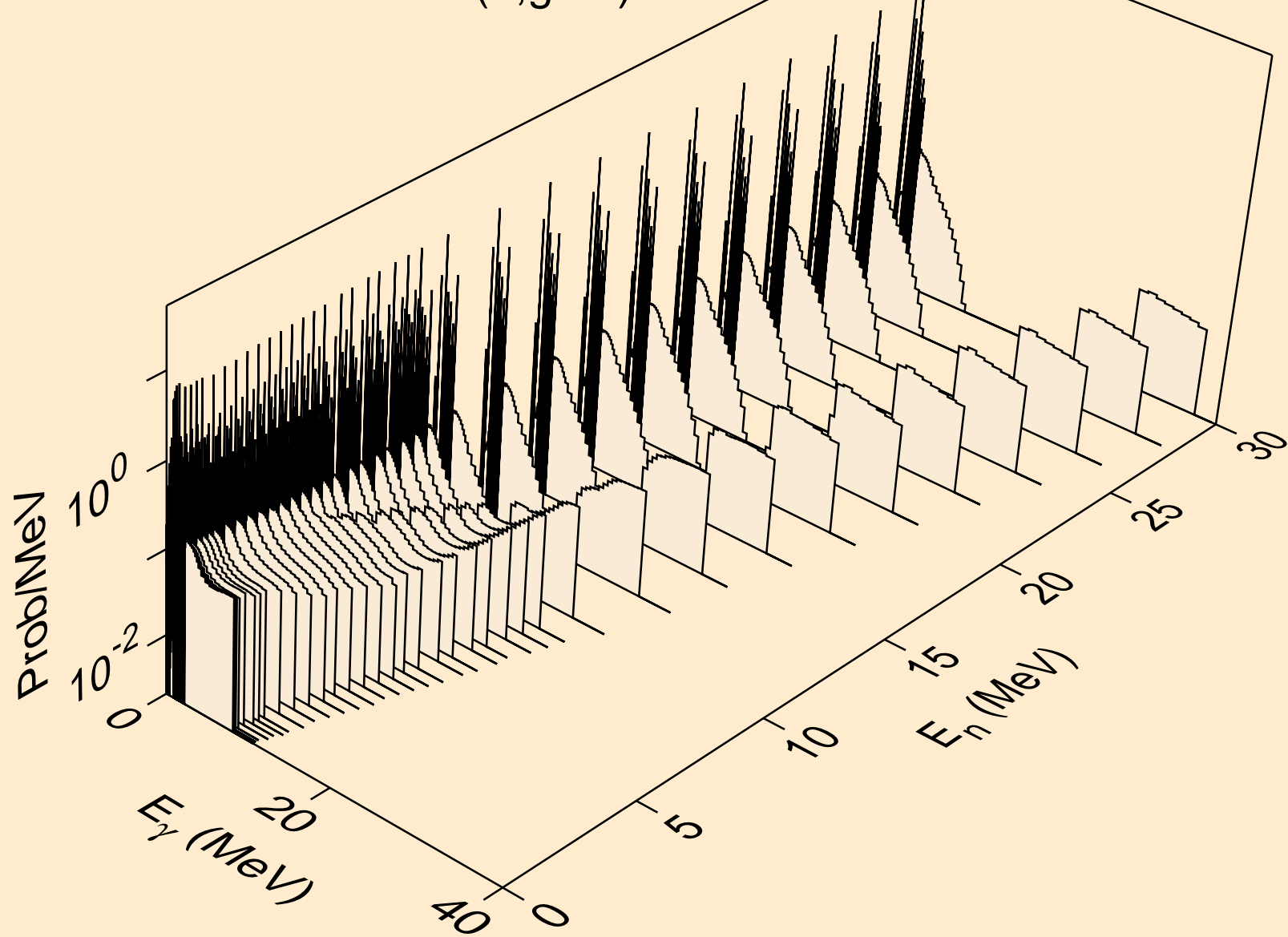
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



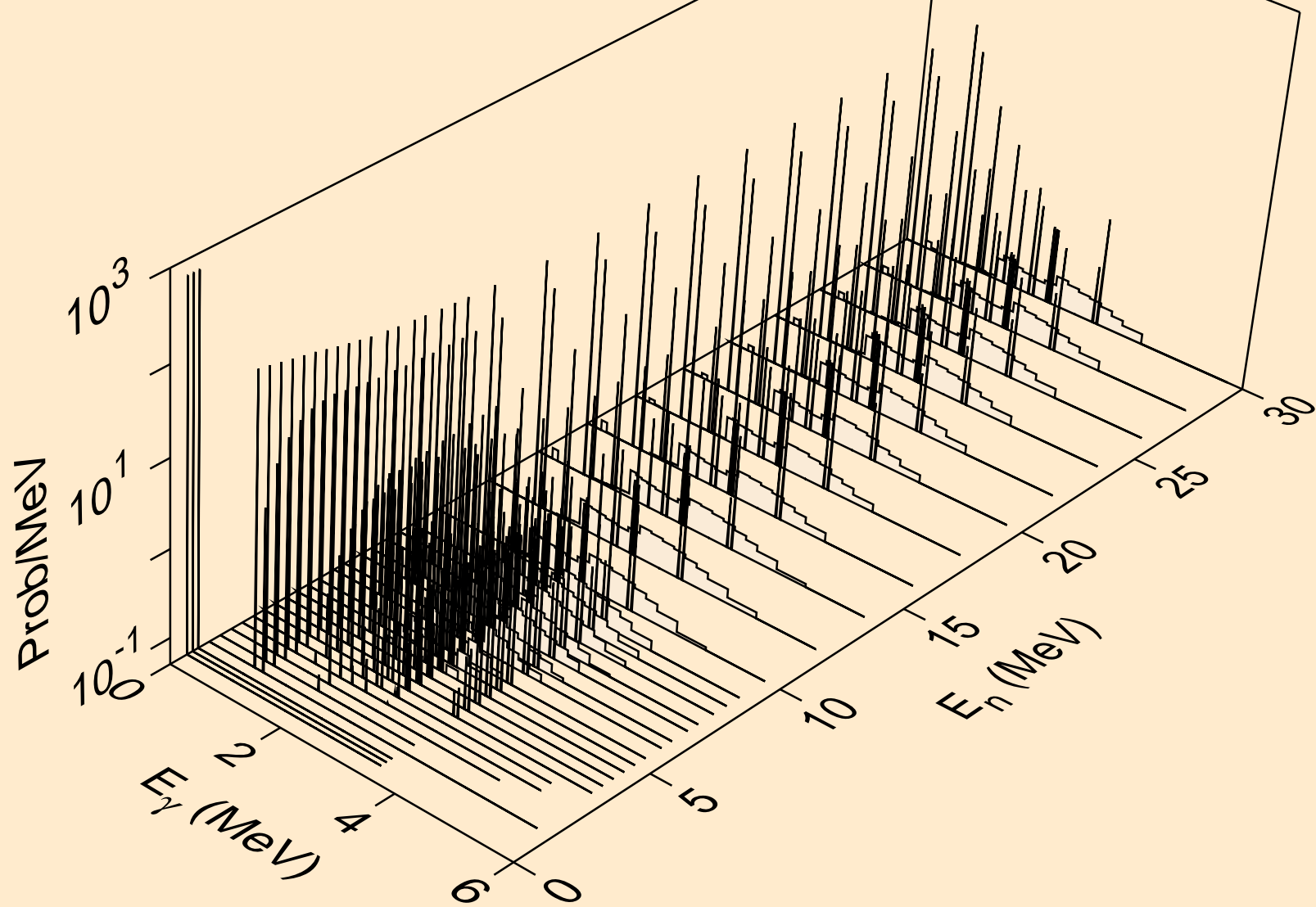
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



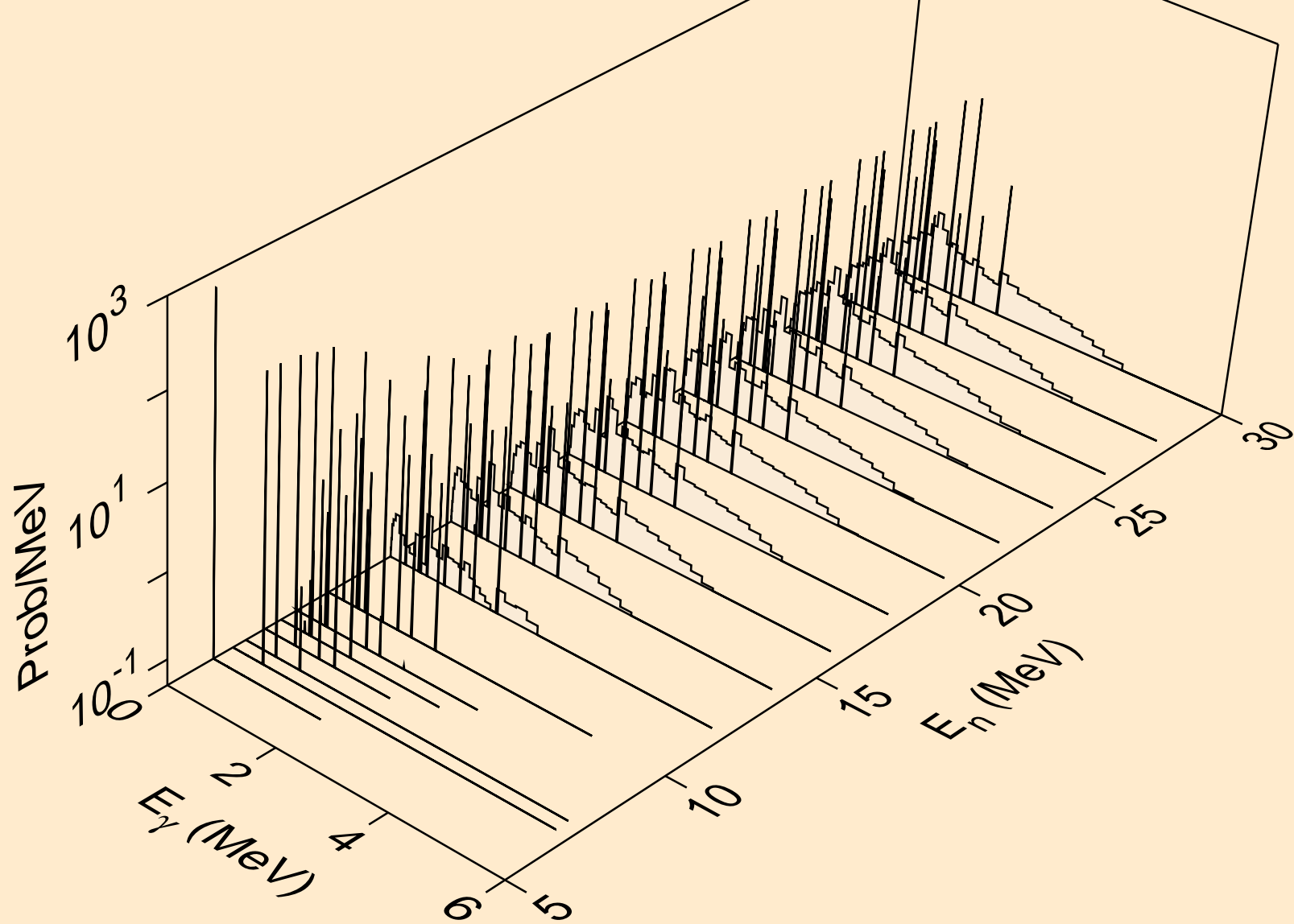
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



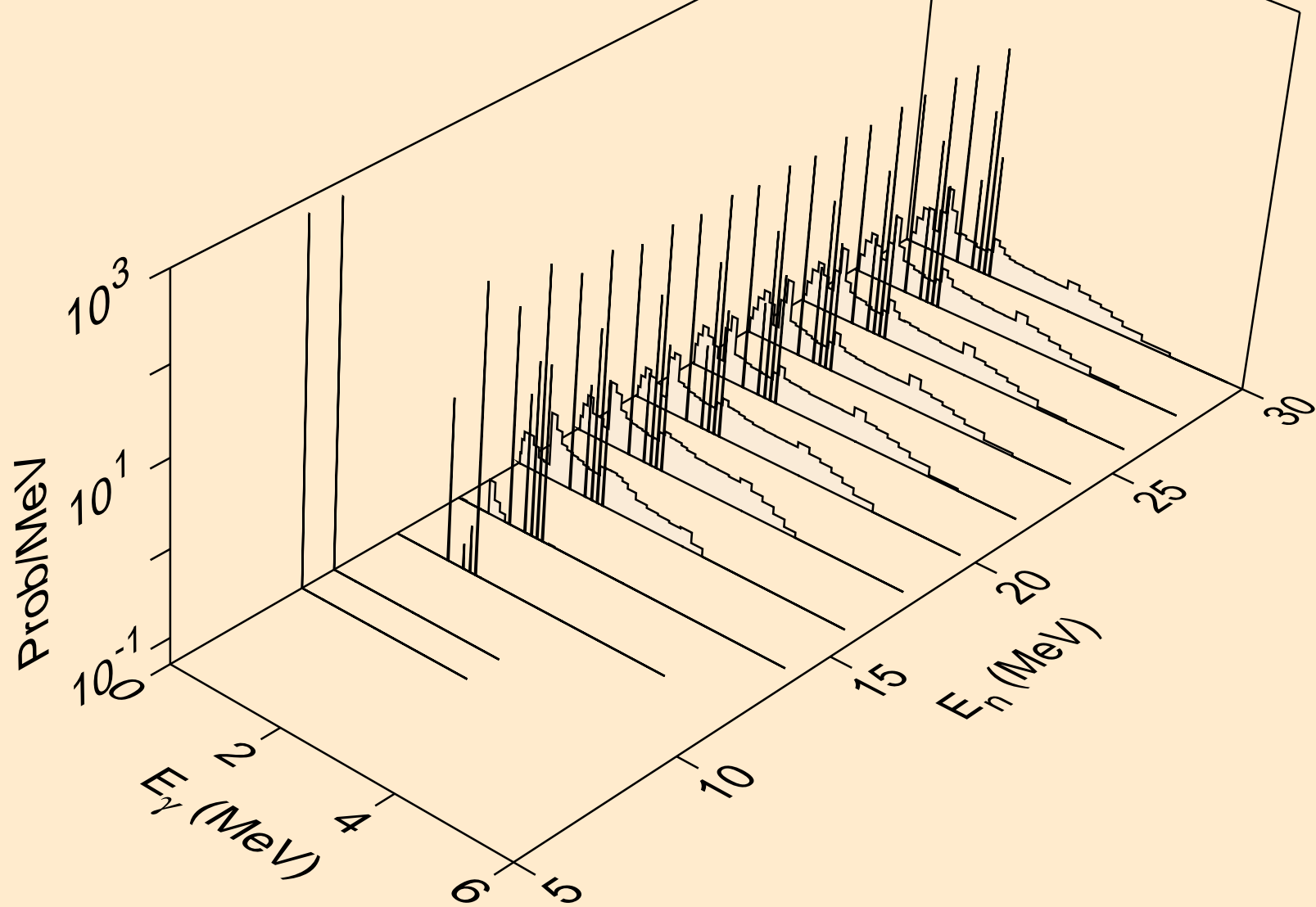
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)

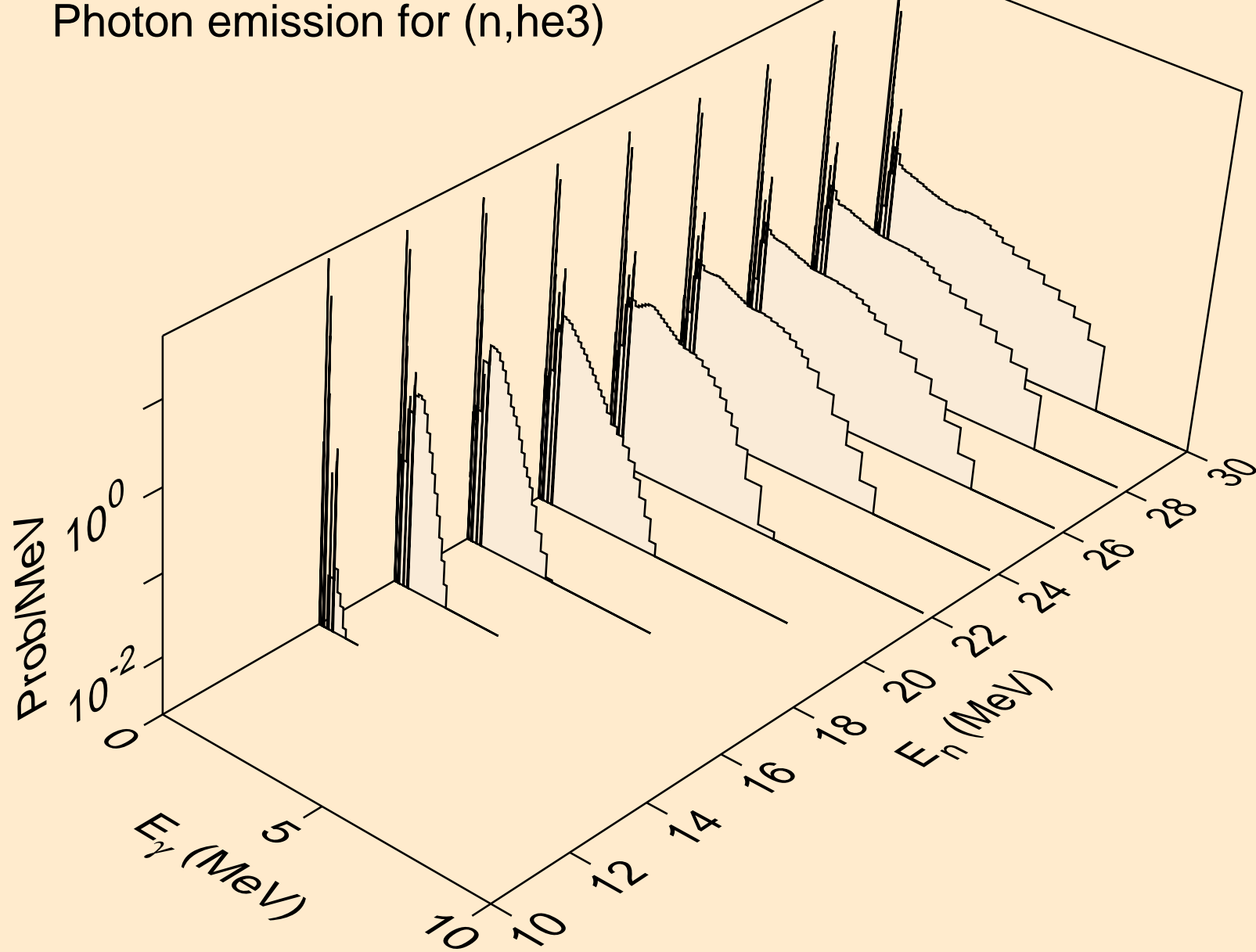


MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)

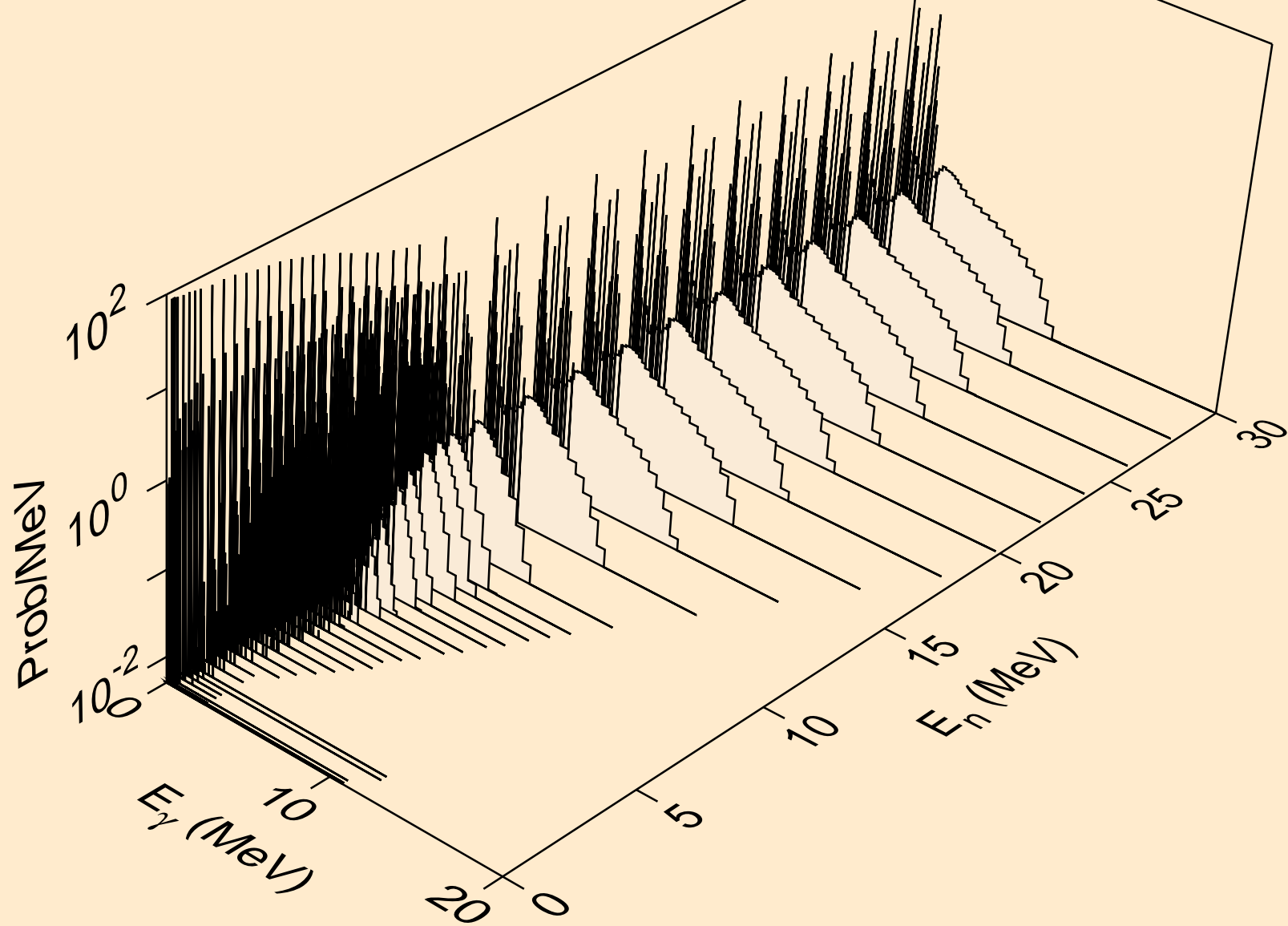




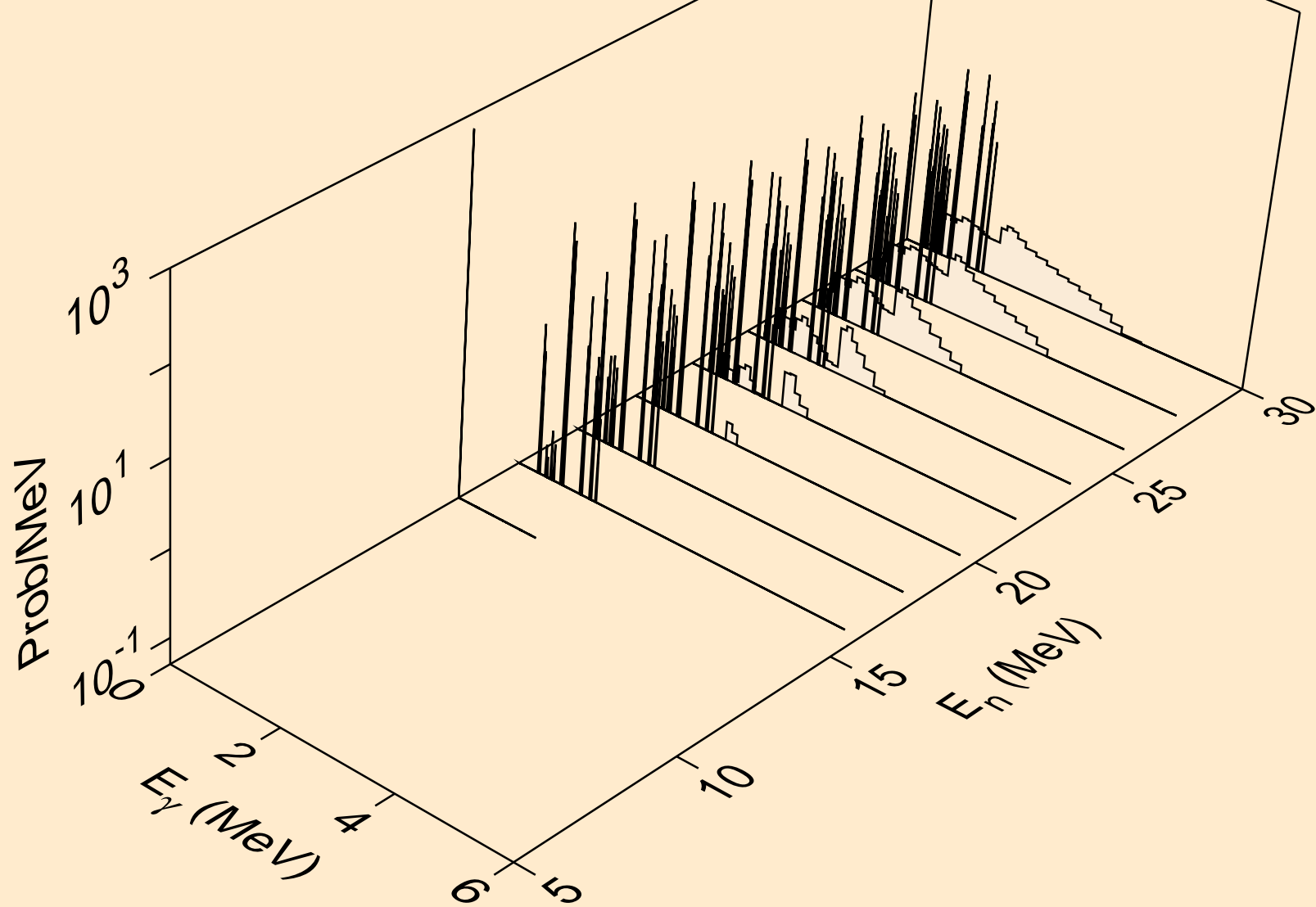
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



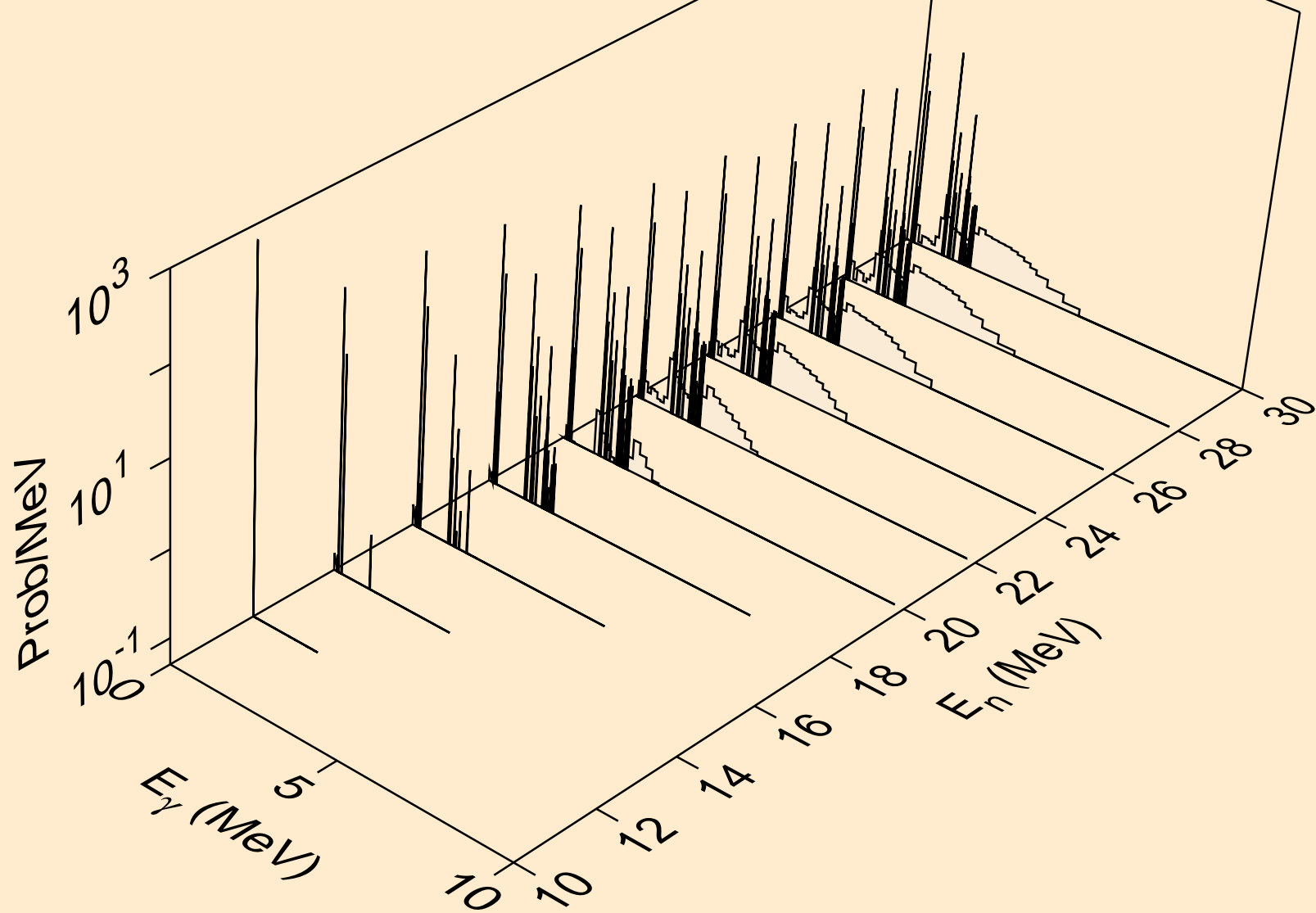
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Photon emission for (n,a)



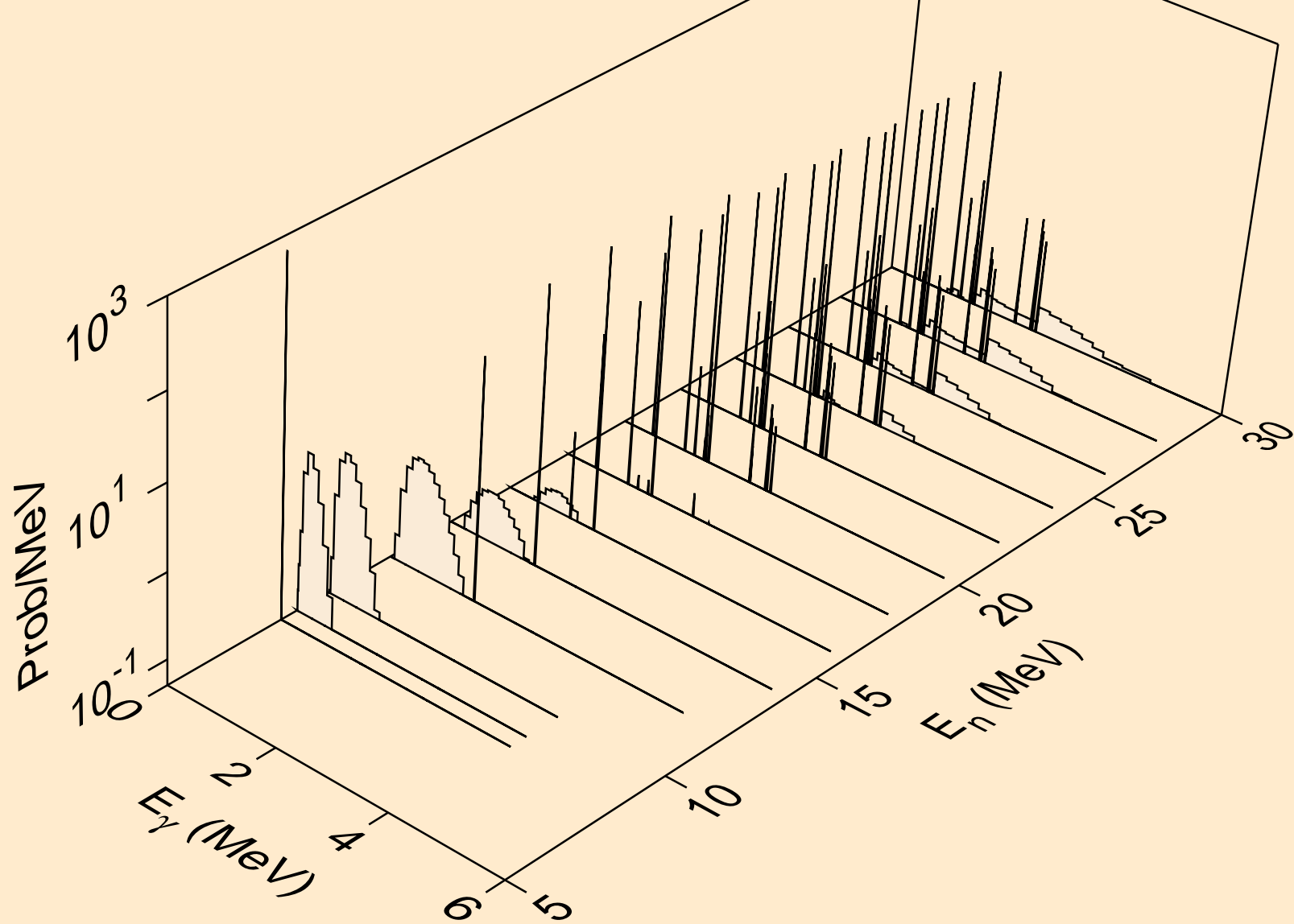
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)



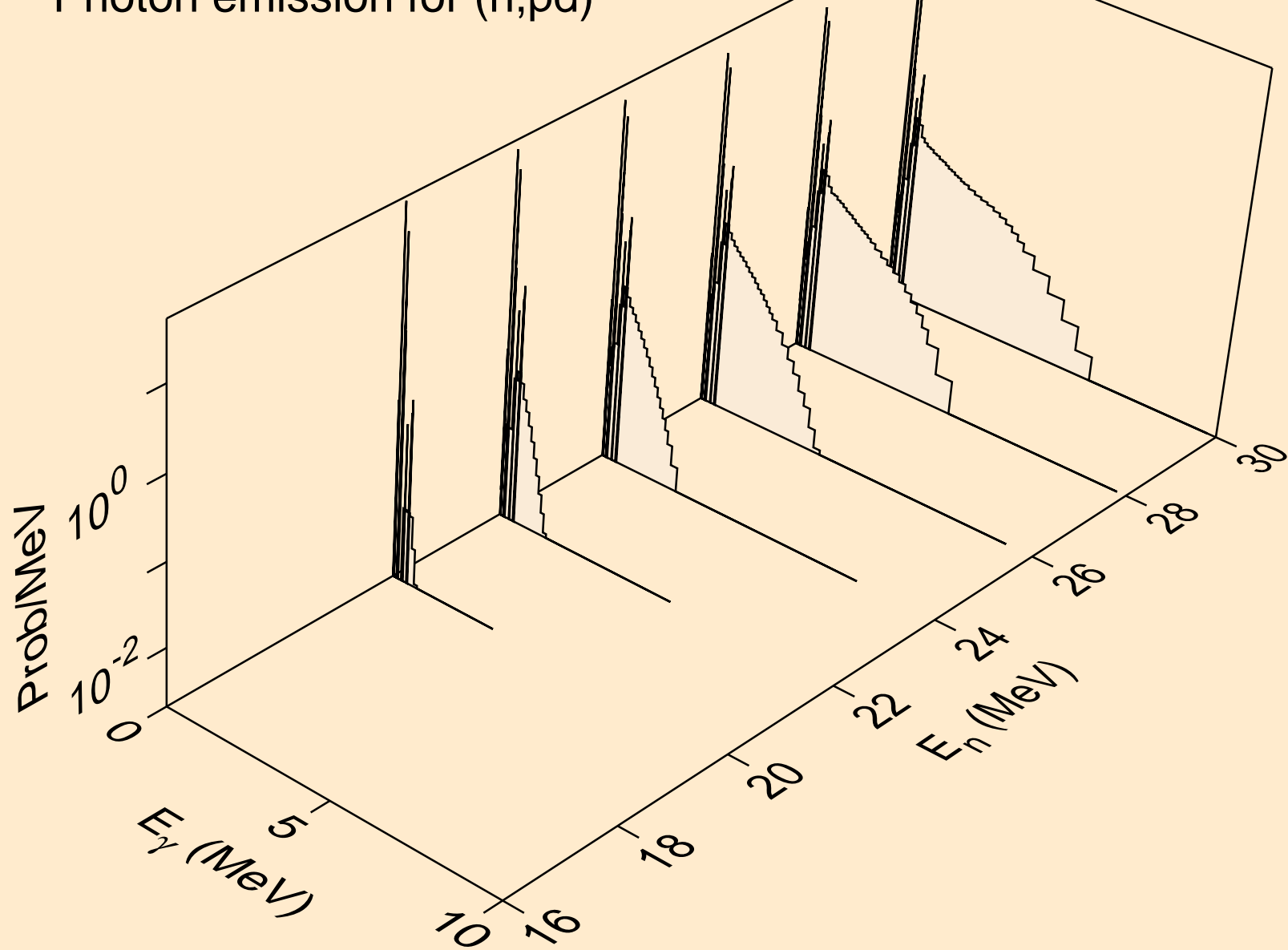
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Photon emission for (n,2p)



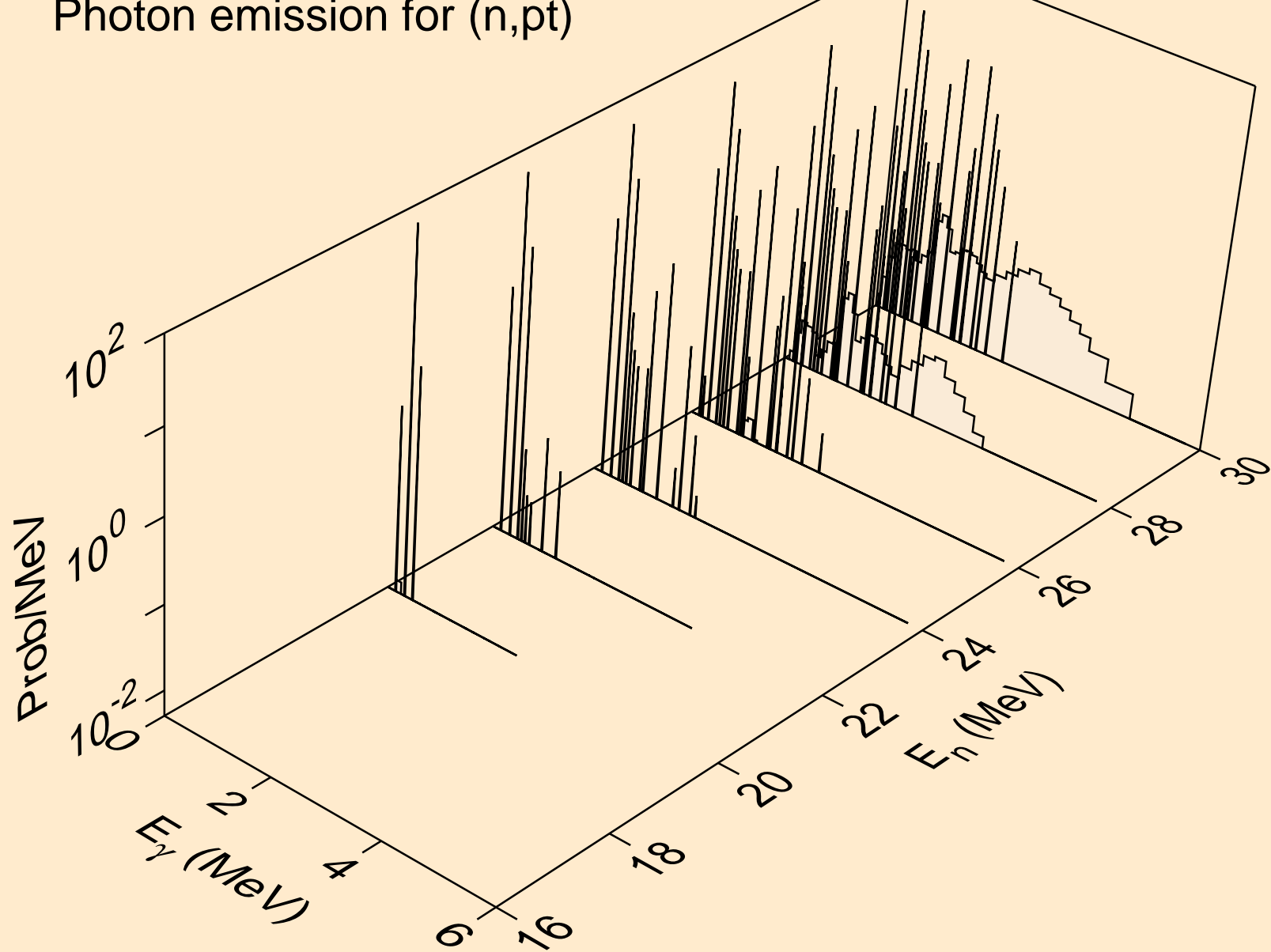
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



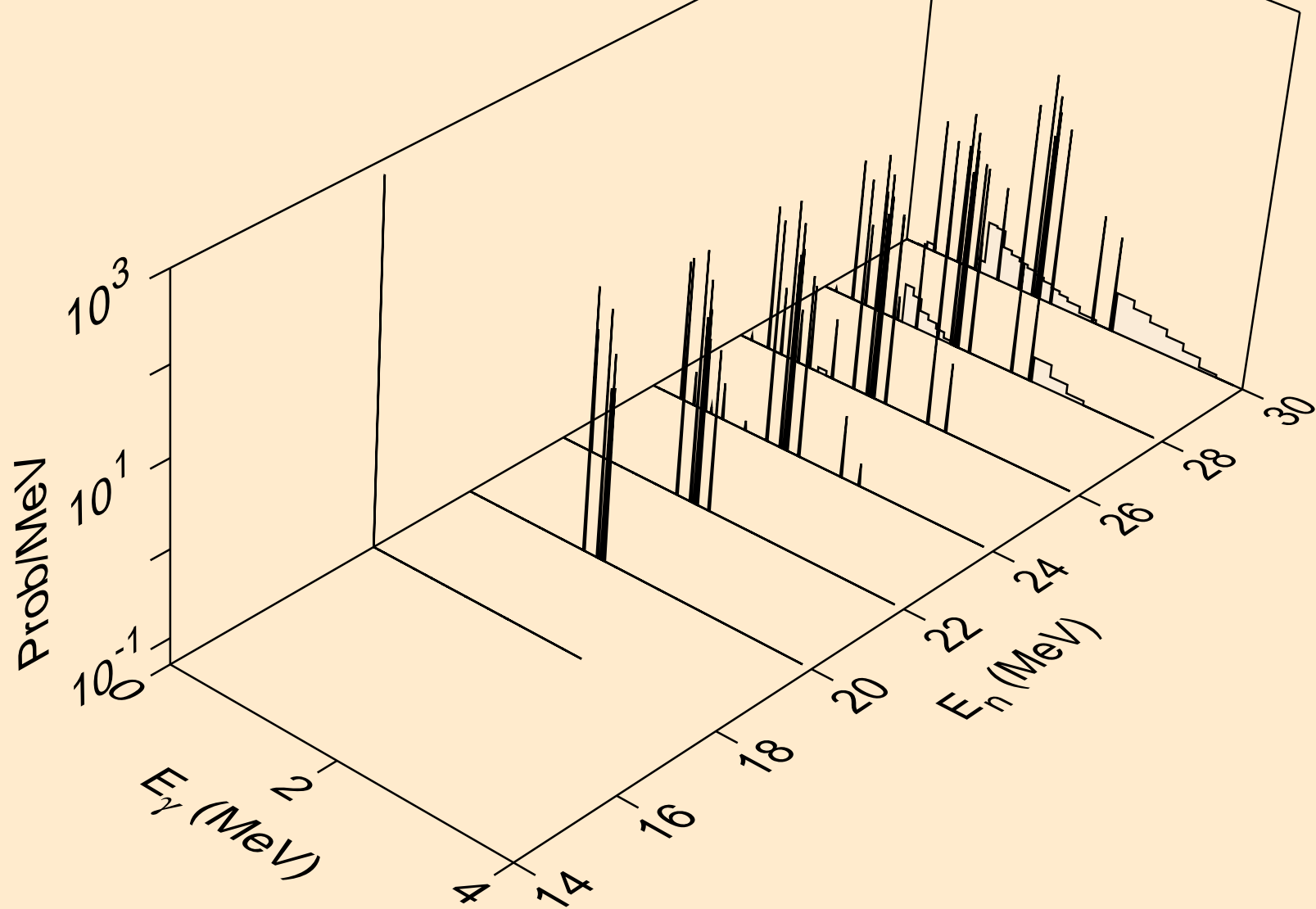
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)

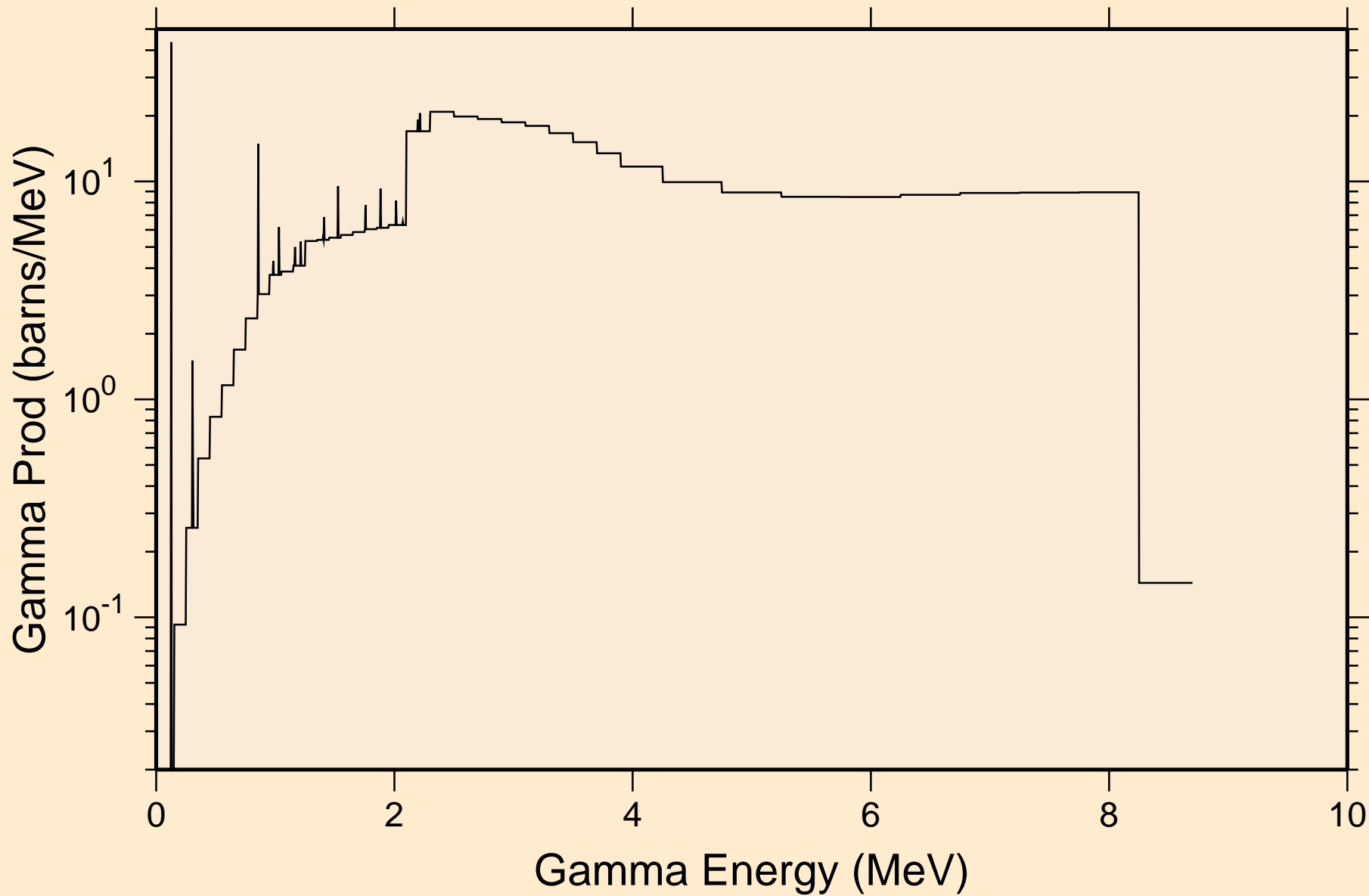


MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)

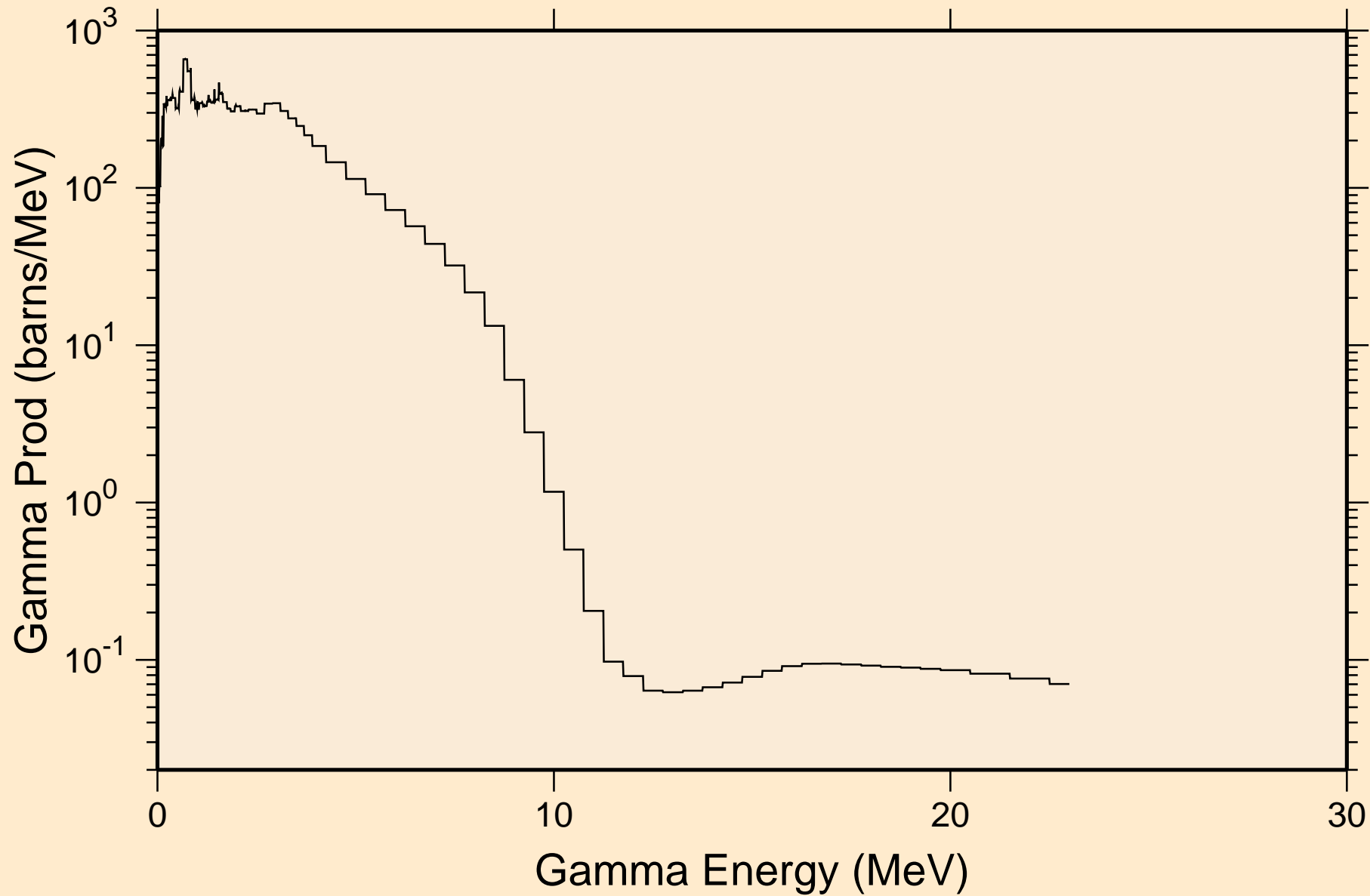




MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

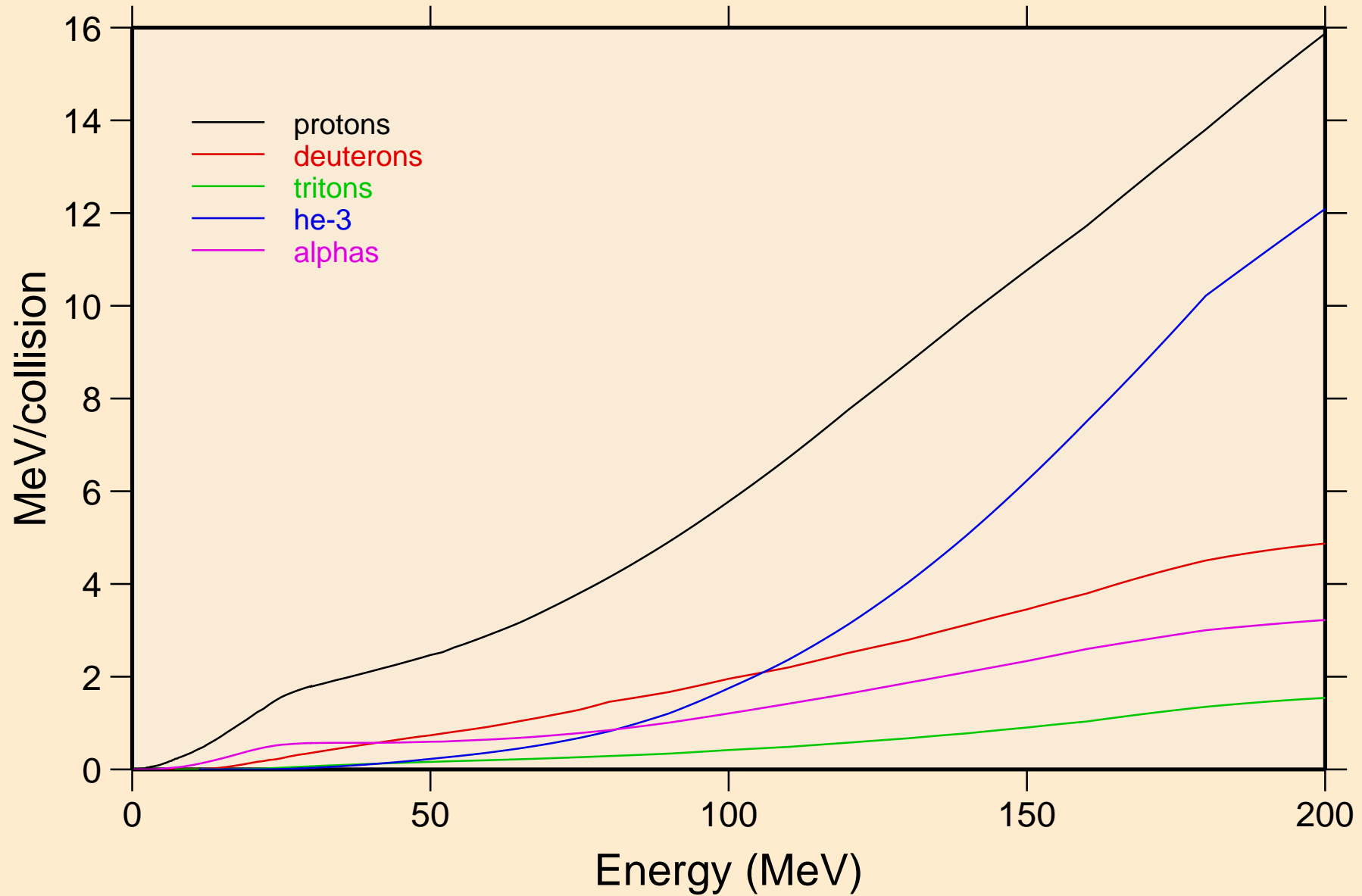


MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum



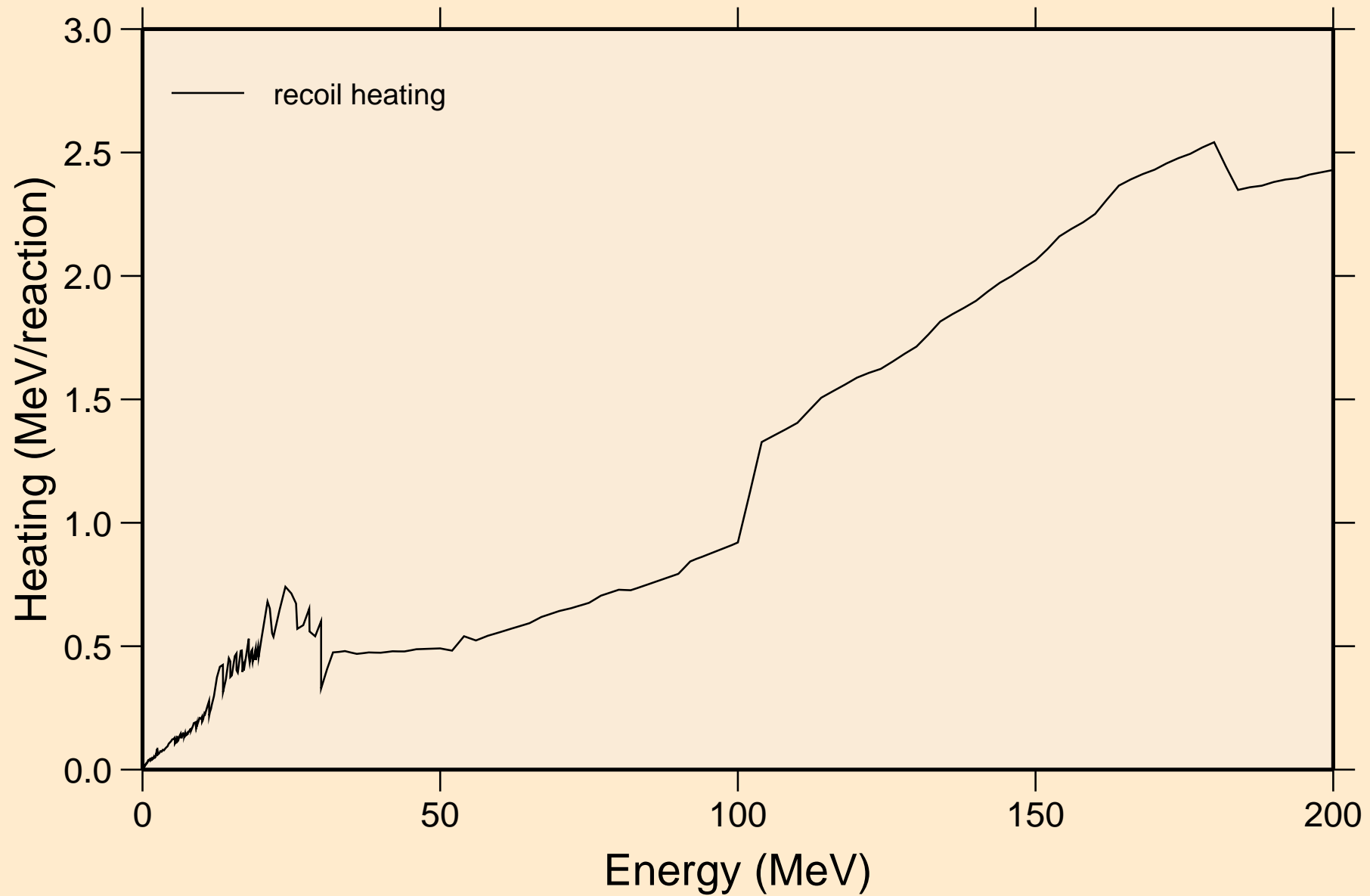
# MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions

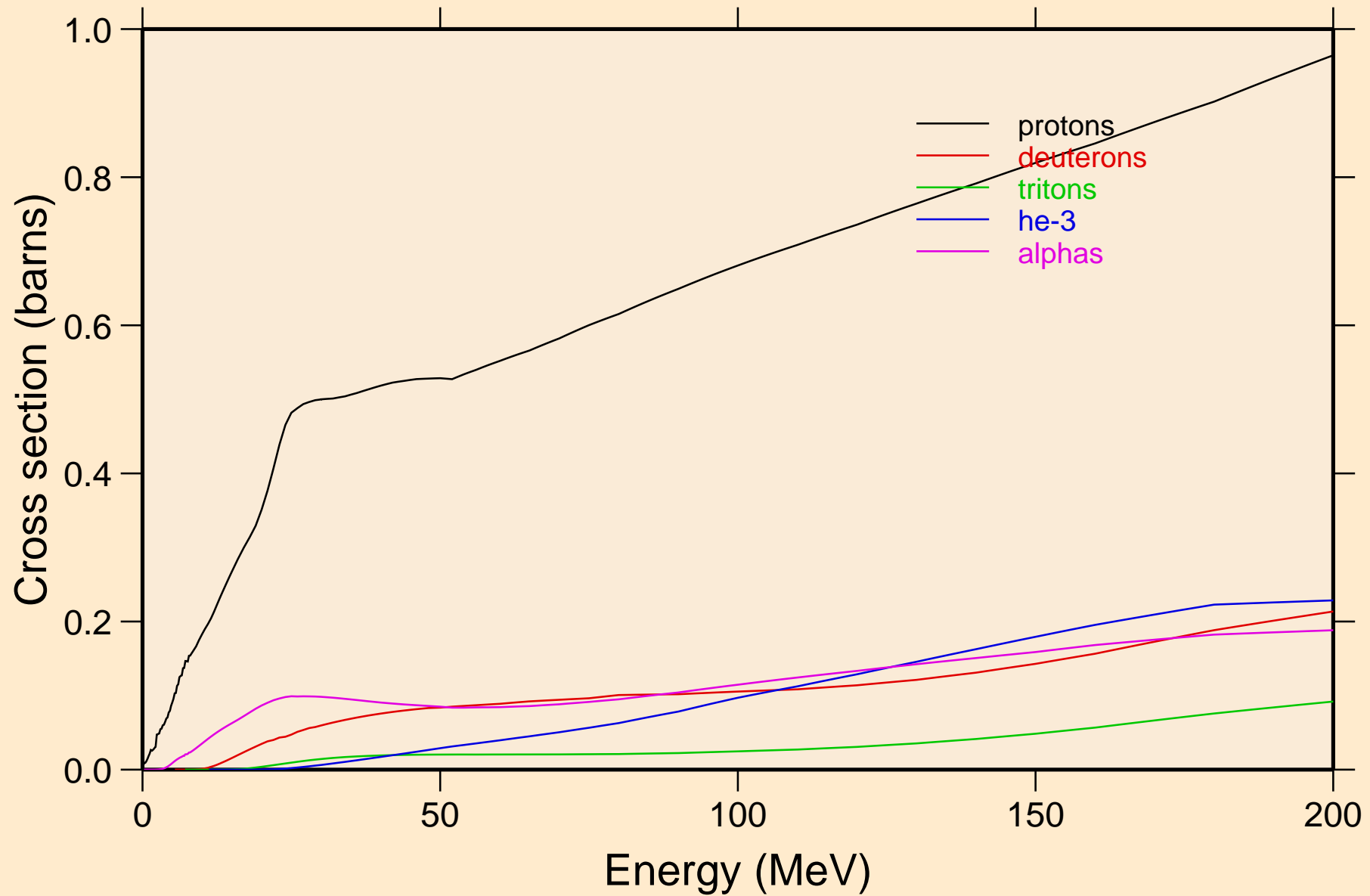


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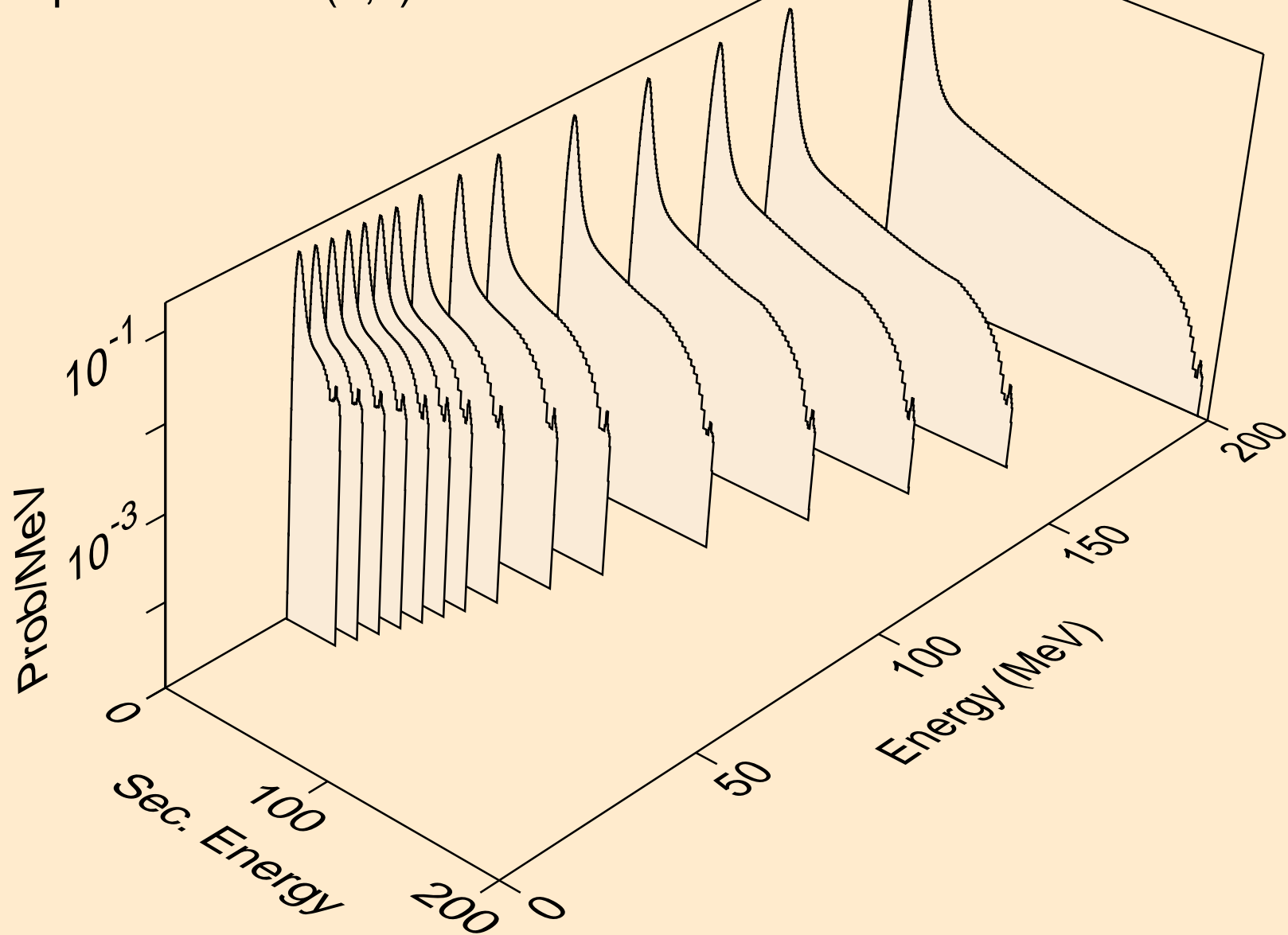
## Recoil Heating



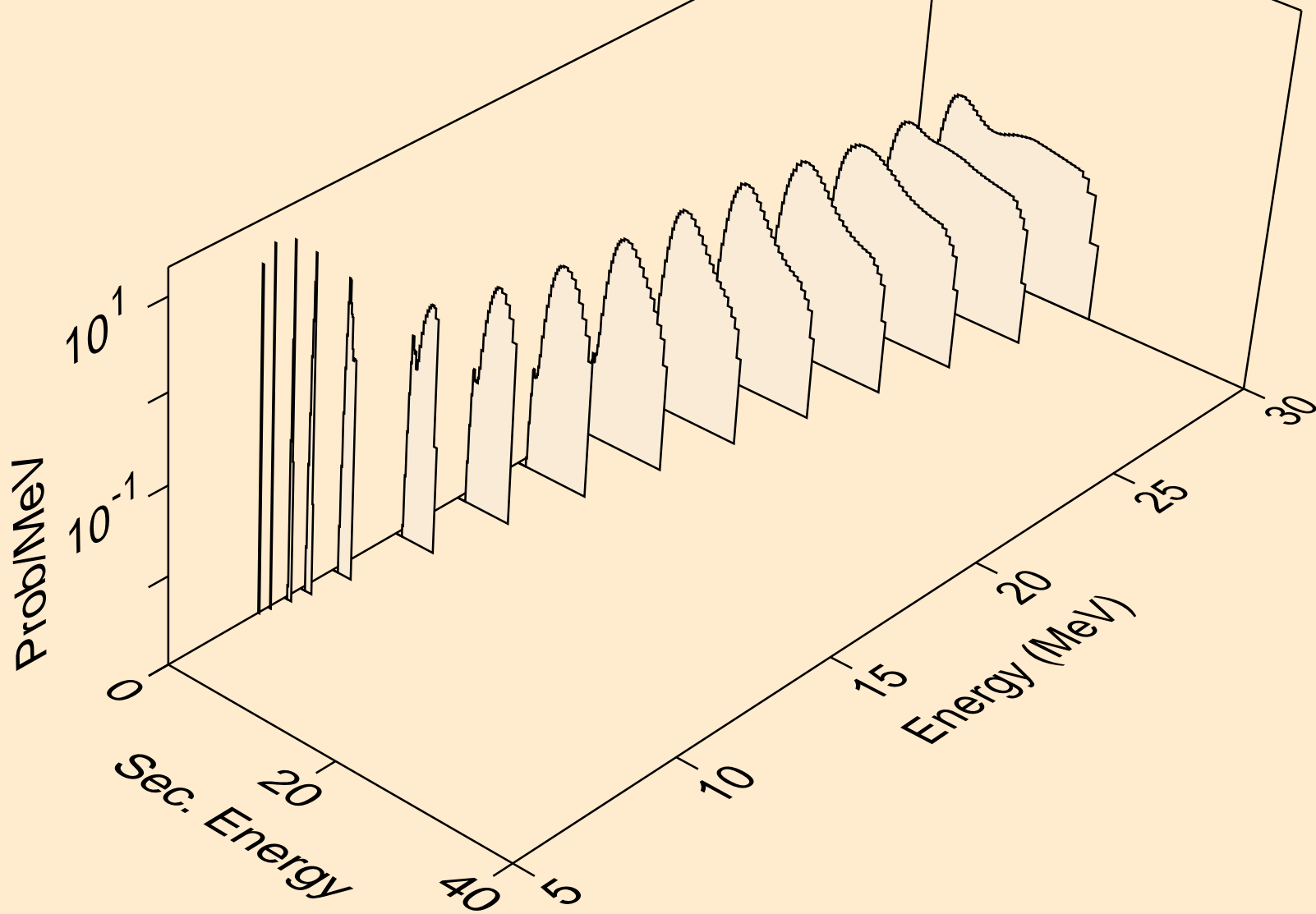
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Particle production cross sections



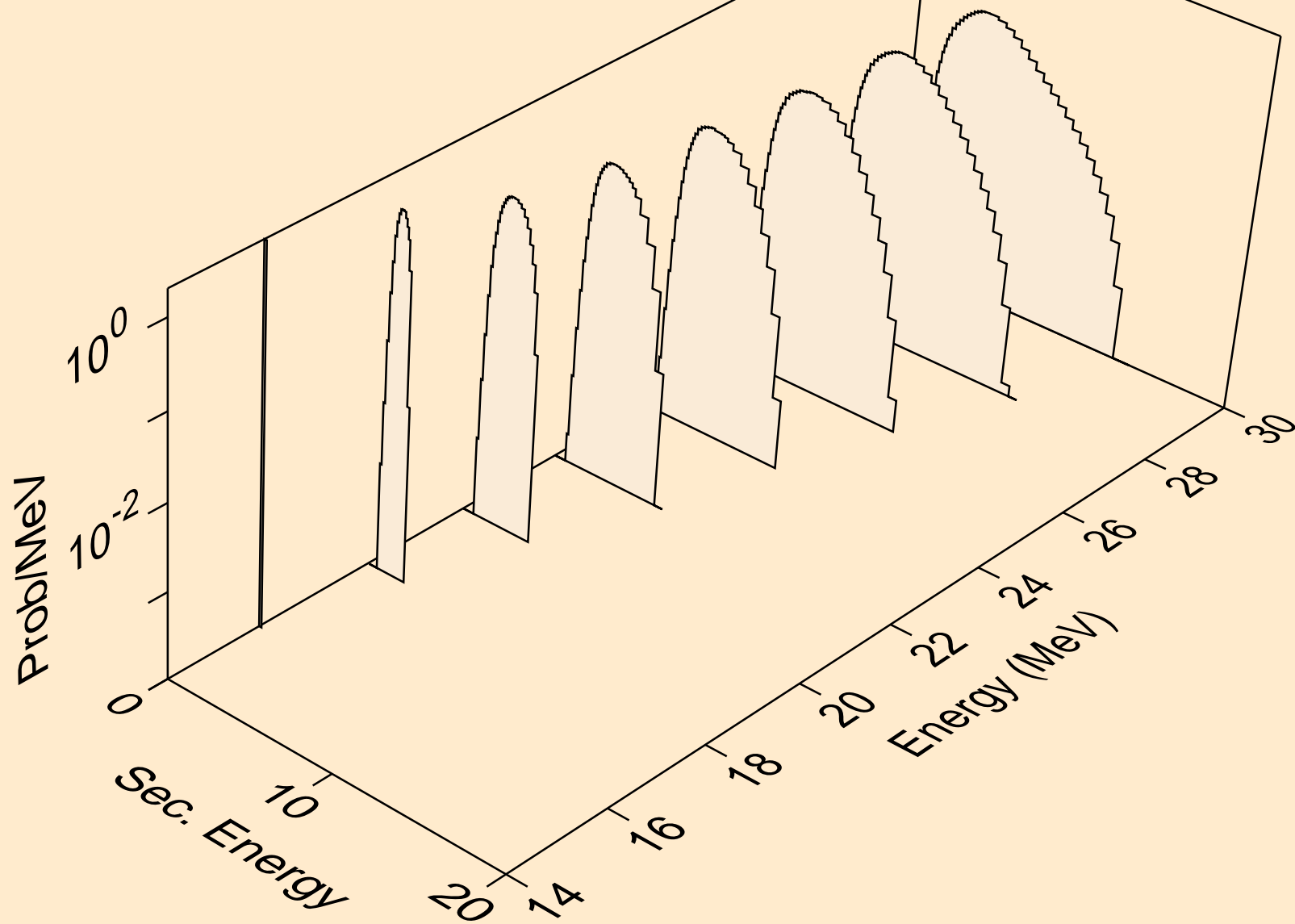
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p

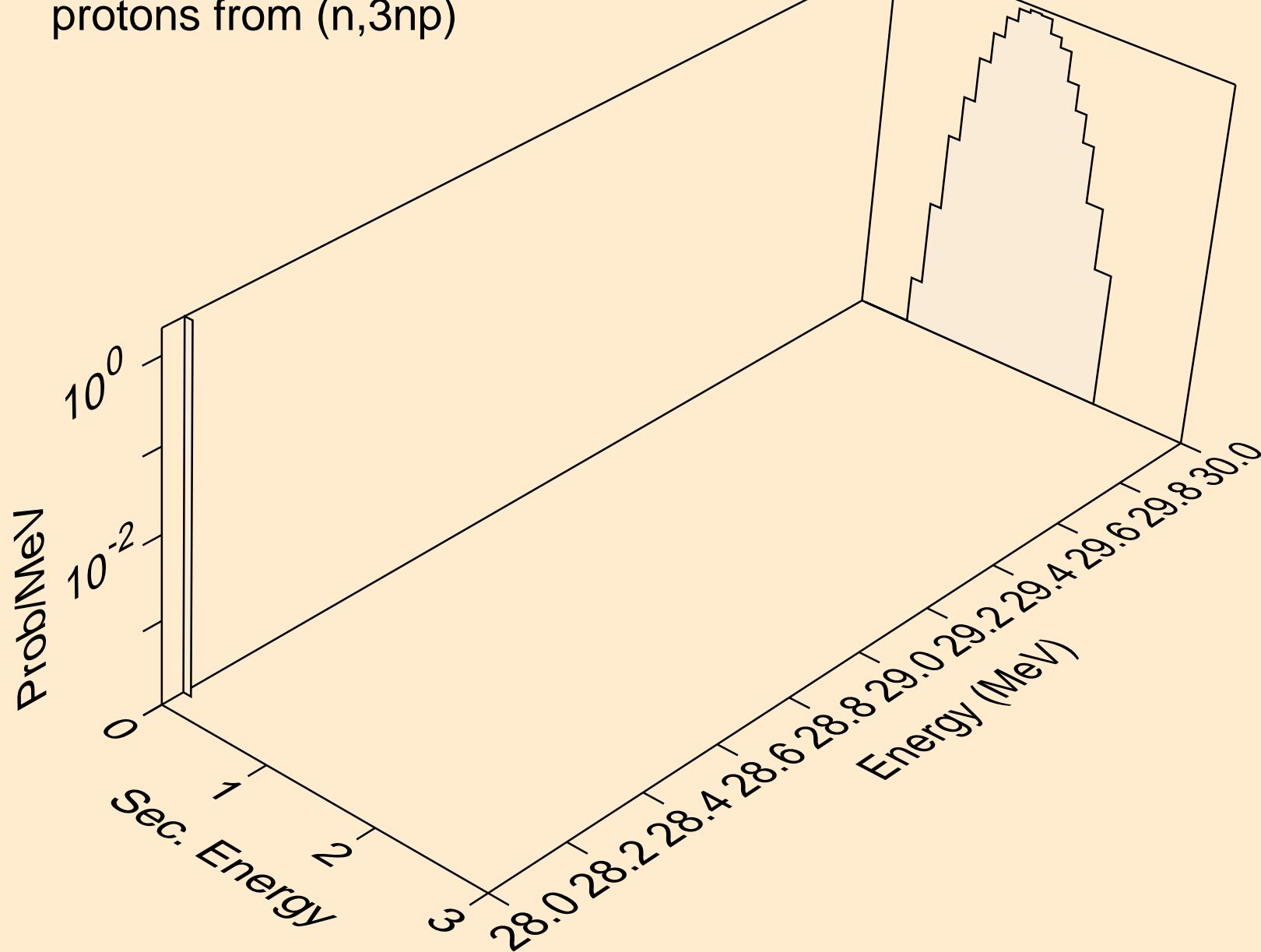


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protons from (n,2np)

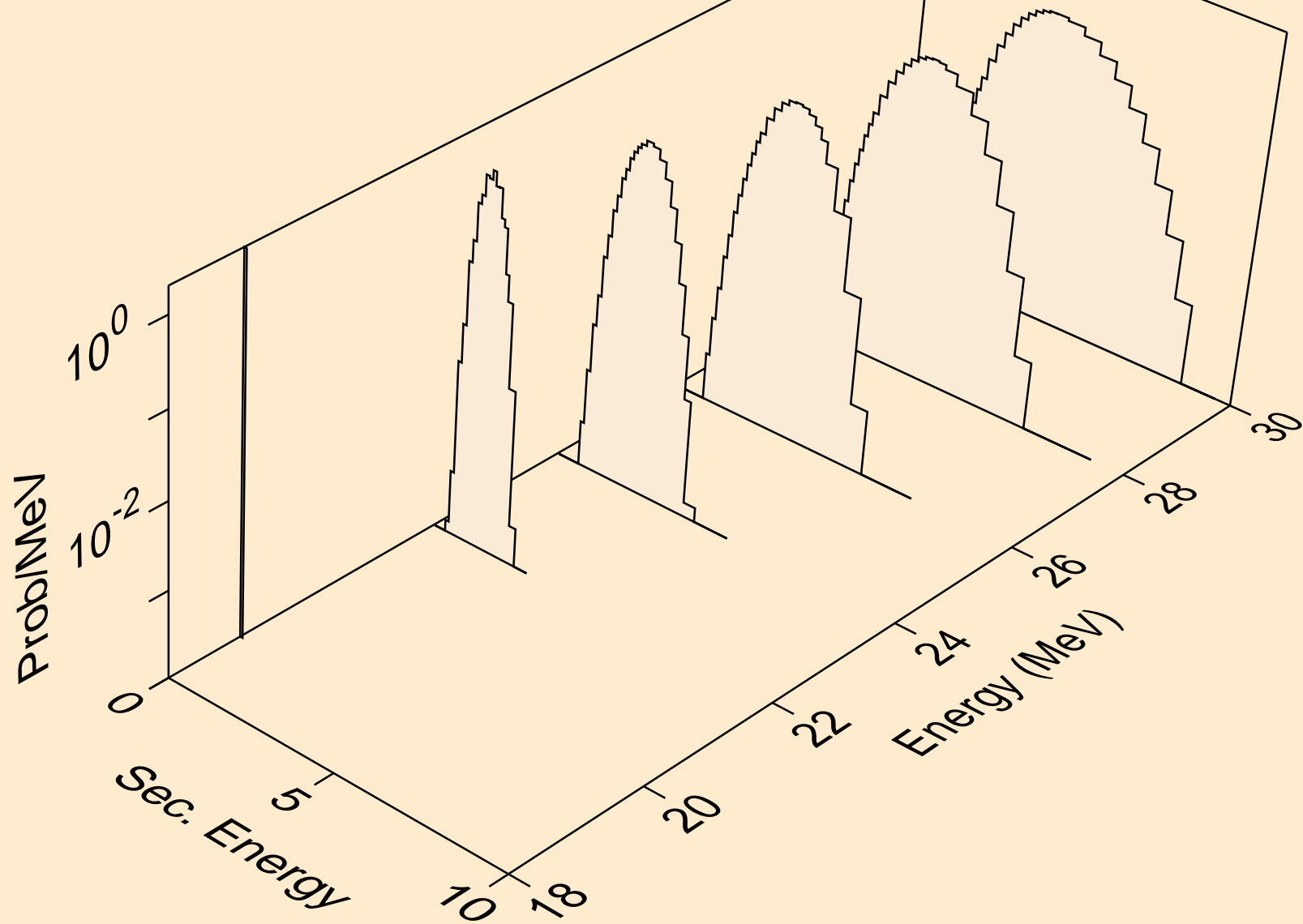




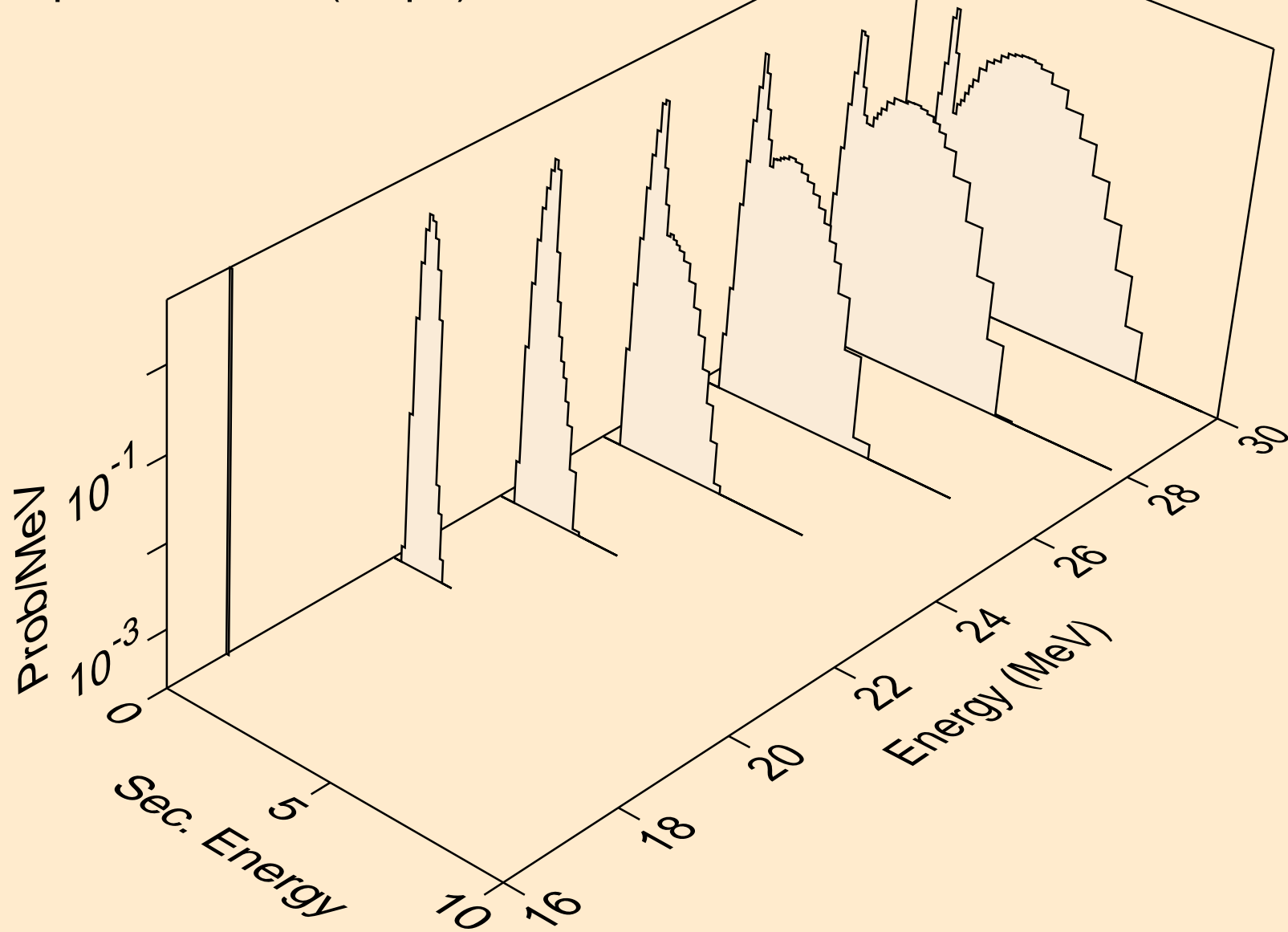
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)



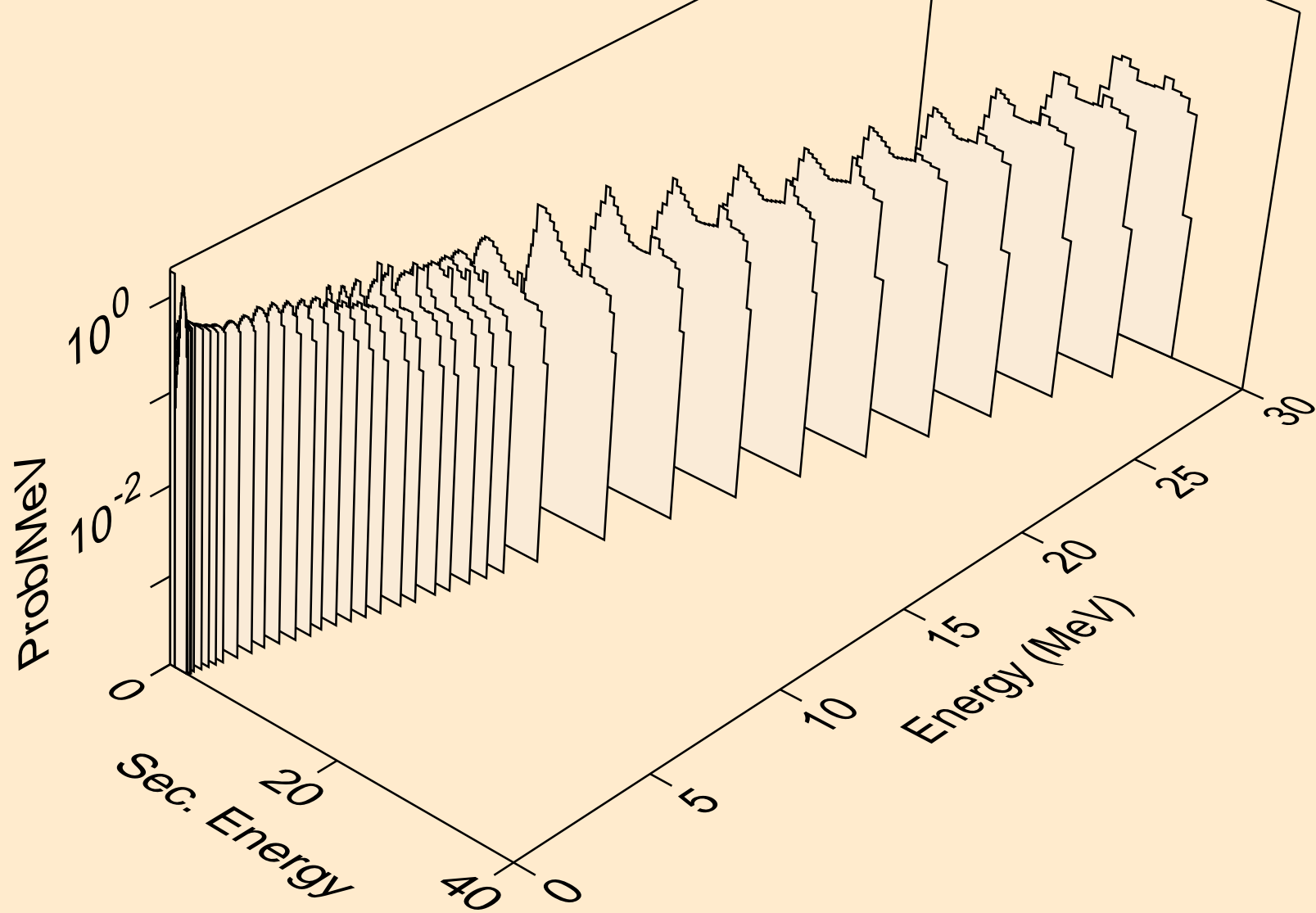
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n2p)



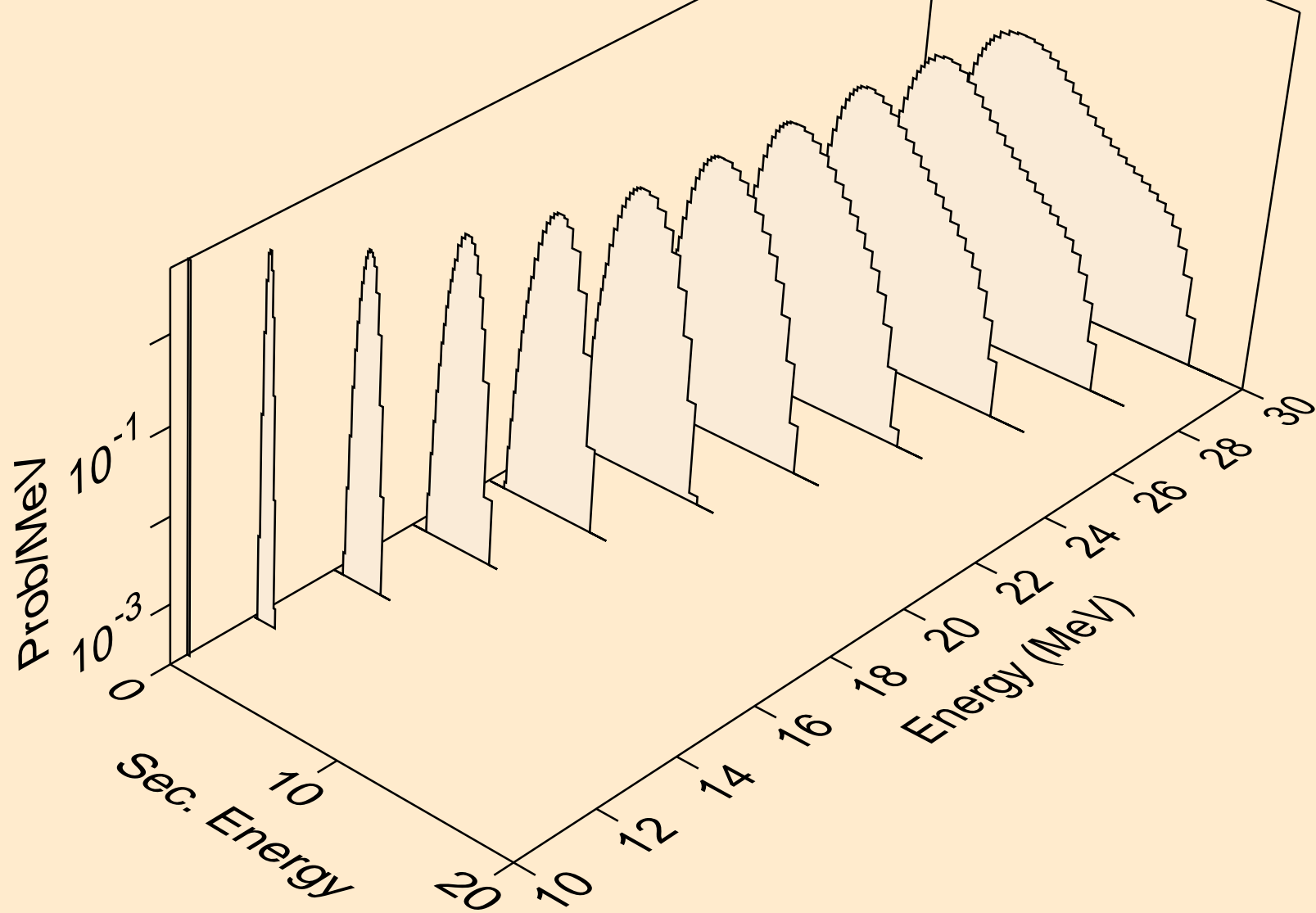
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protons from (n,npa)



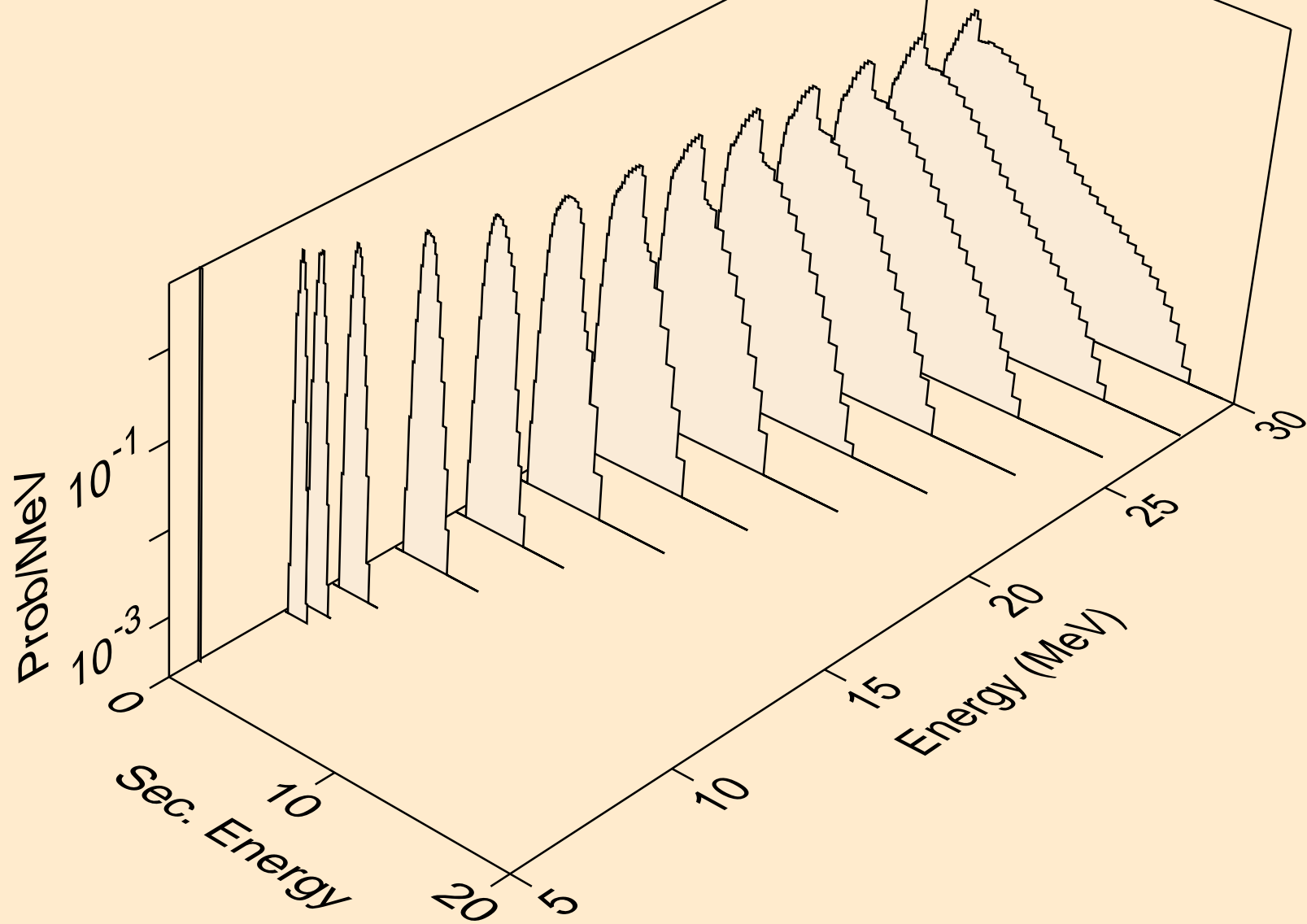
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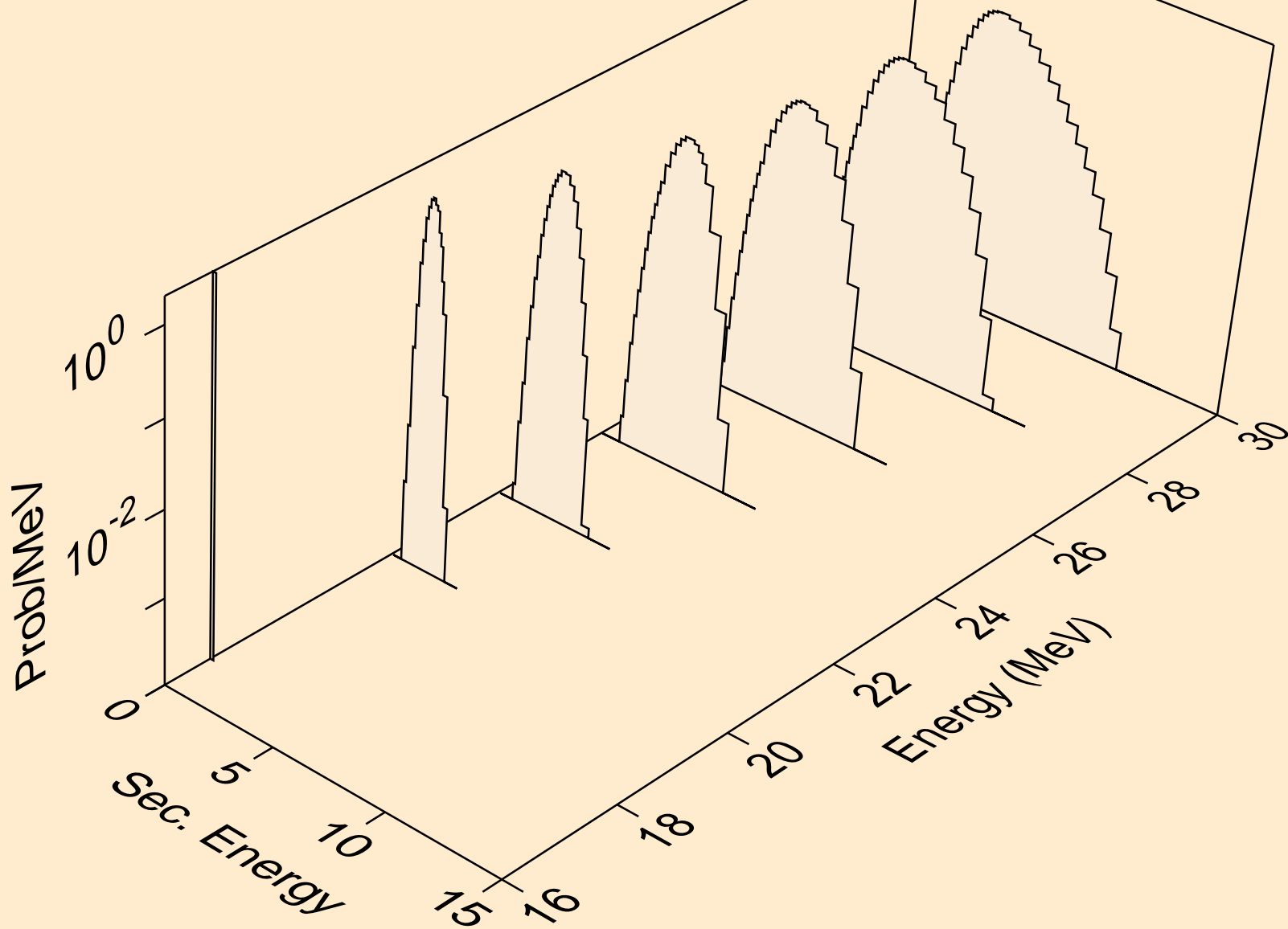
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protons from (n,2p)



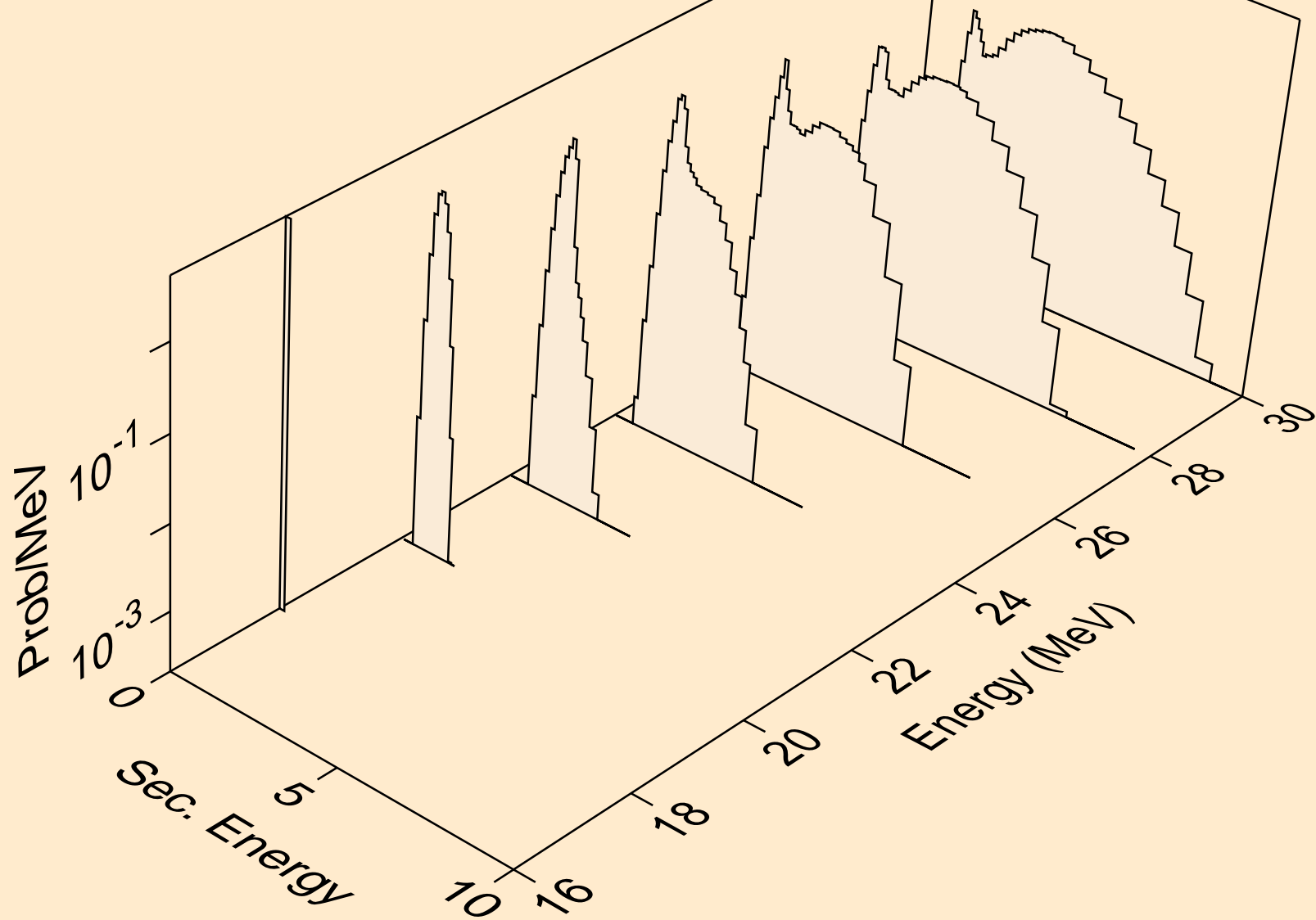
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protons from (n,p)



MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pd)

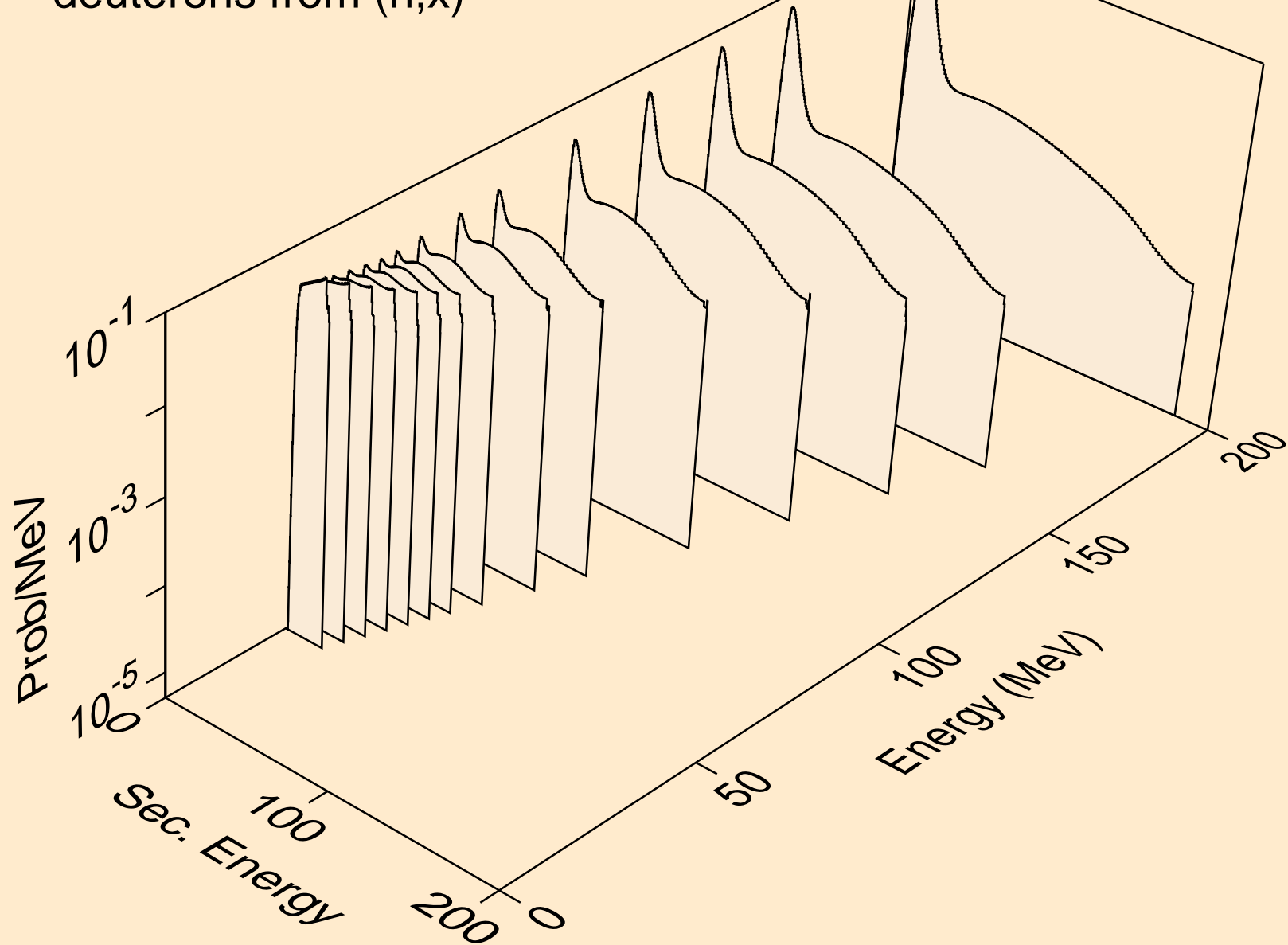


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protons from (n,pt)

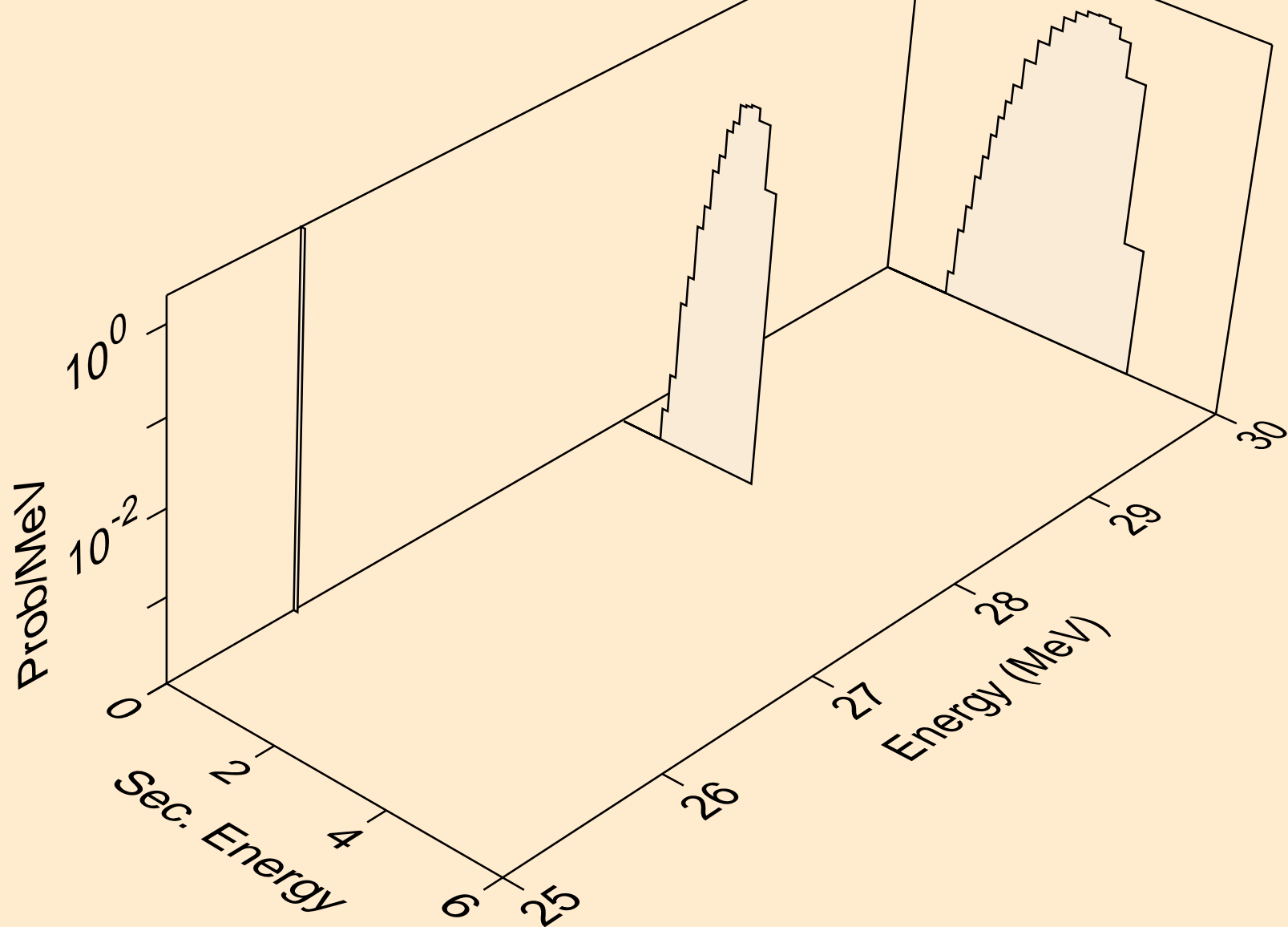




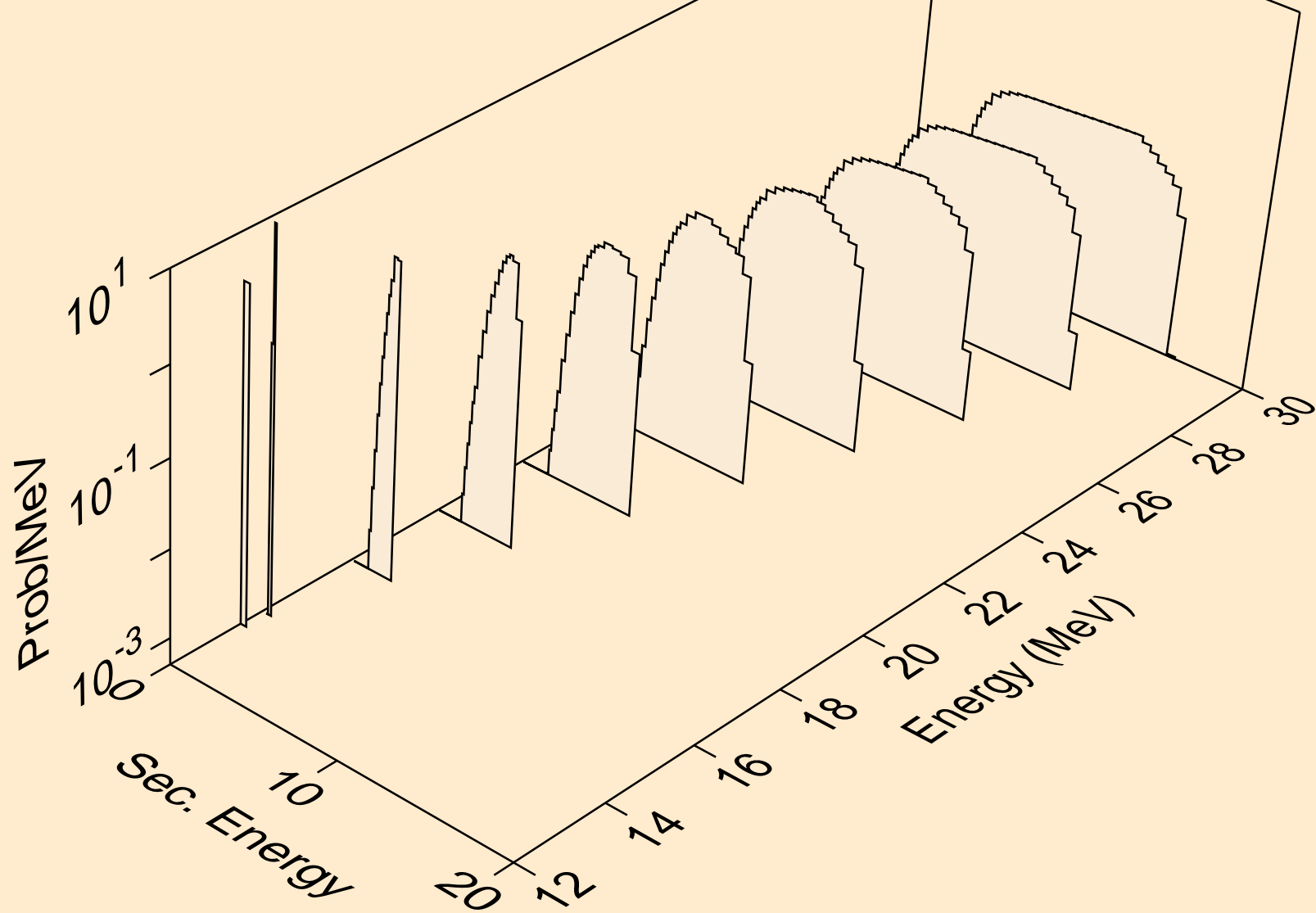
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)



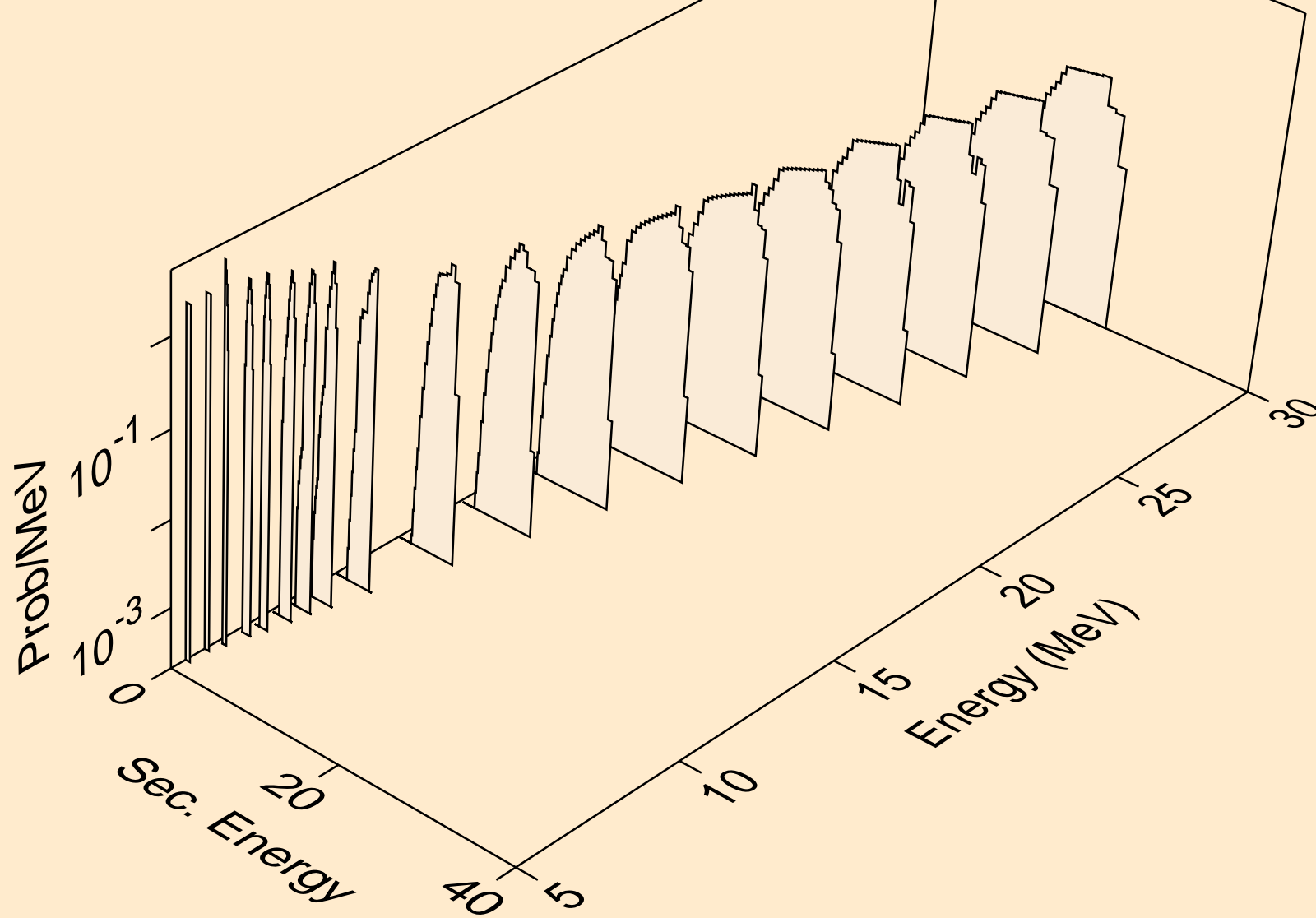
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,2nd)



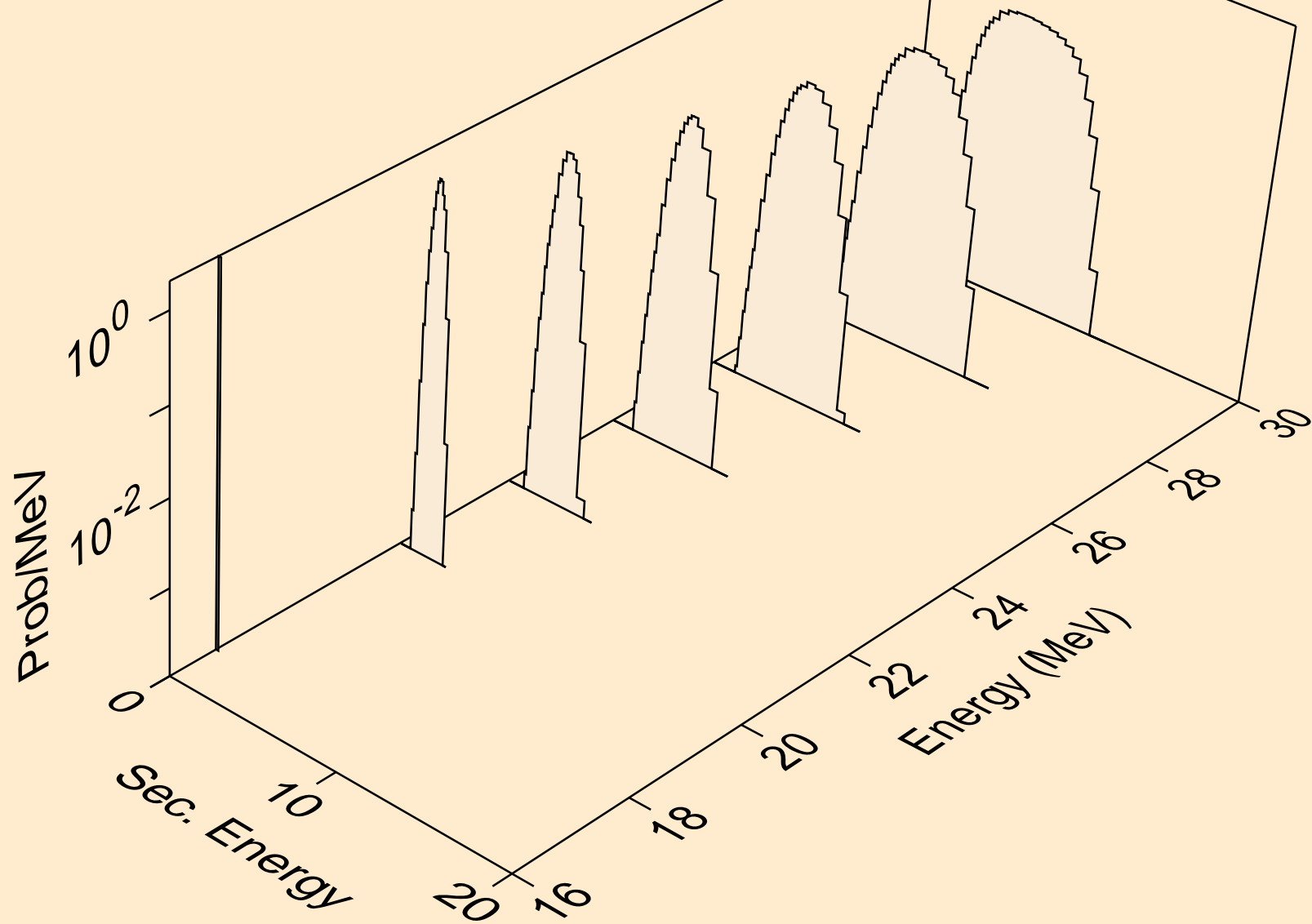
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,n\*)d



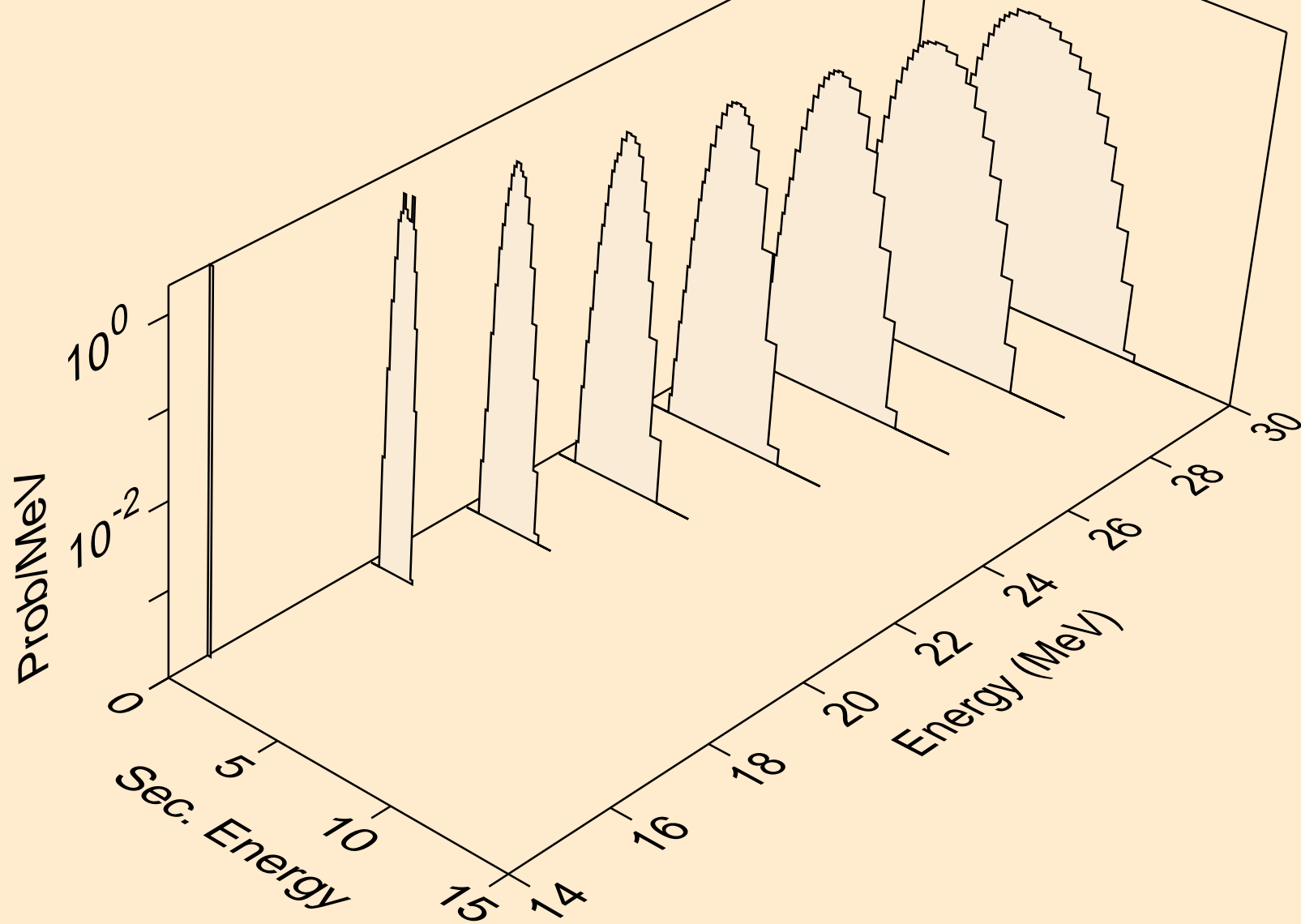
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deuterons from (n,d)



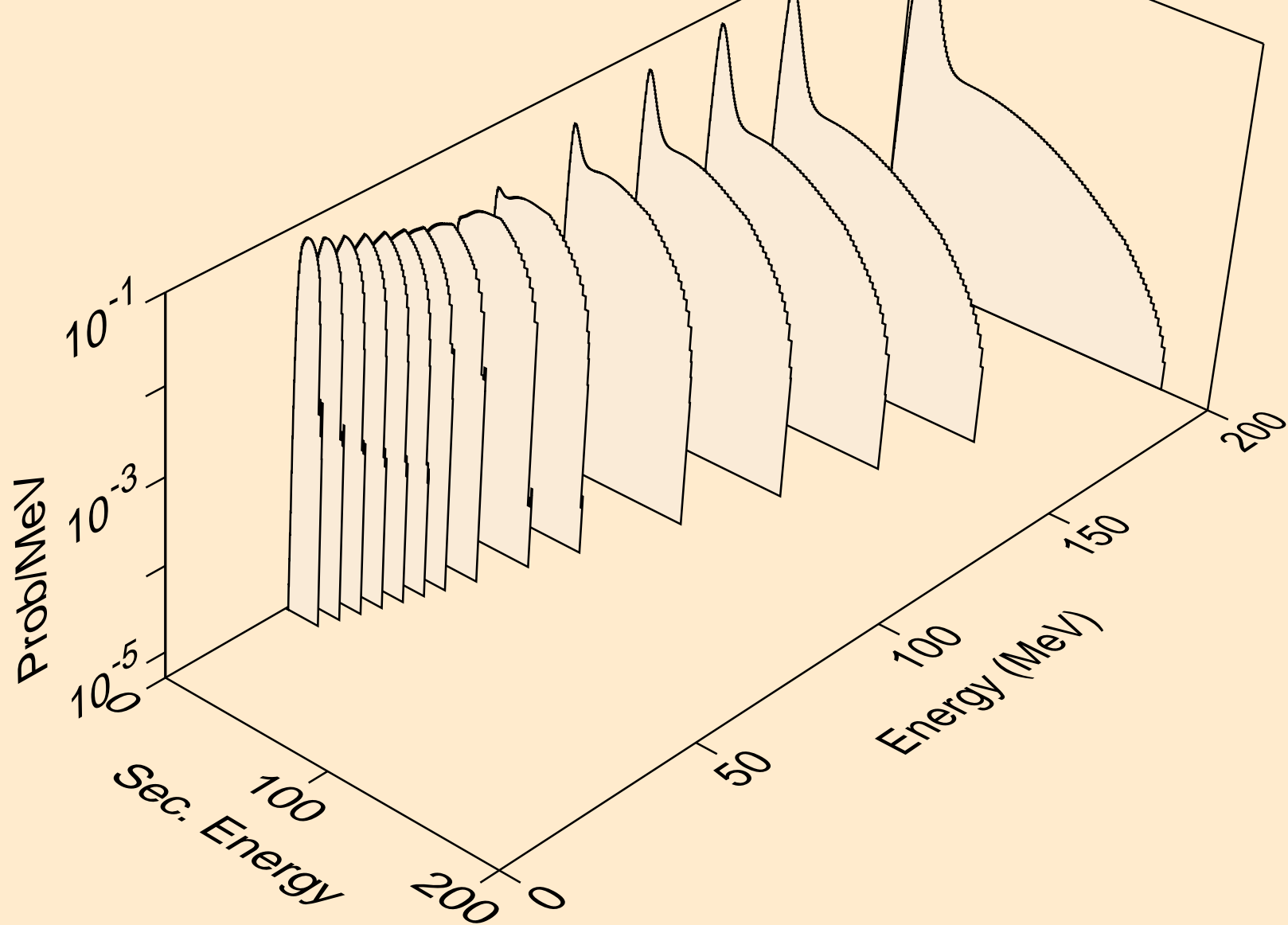
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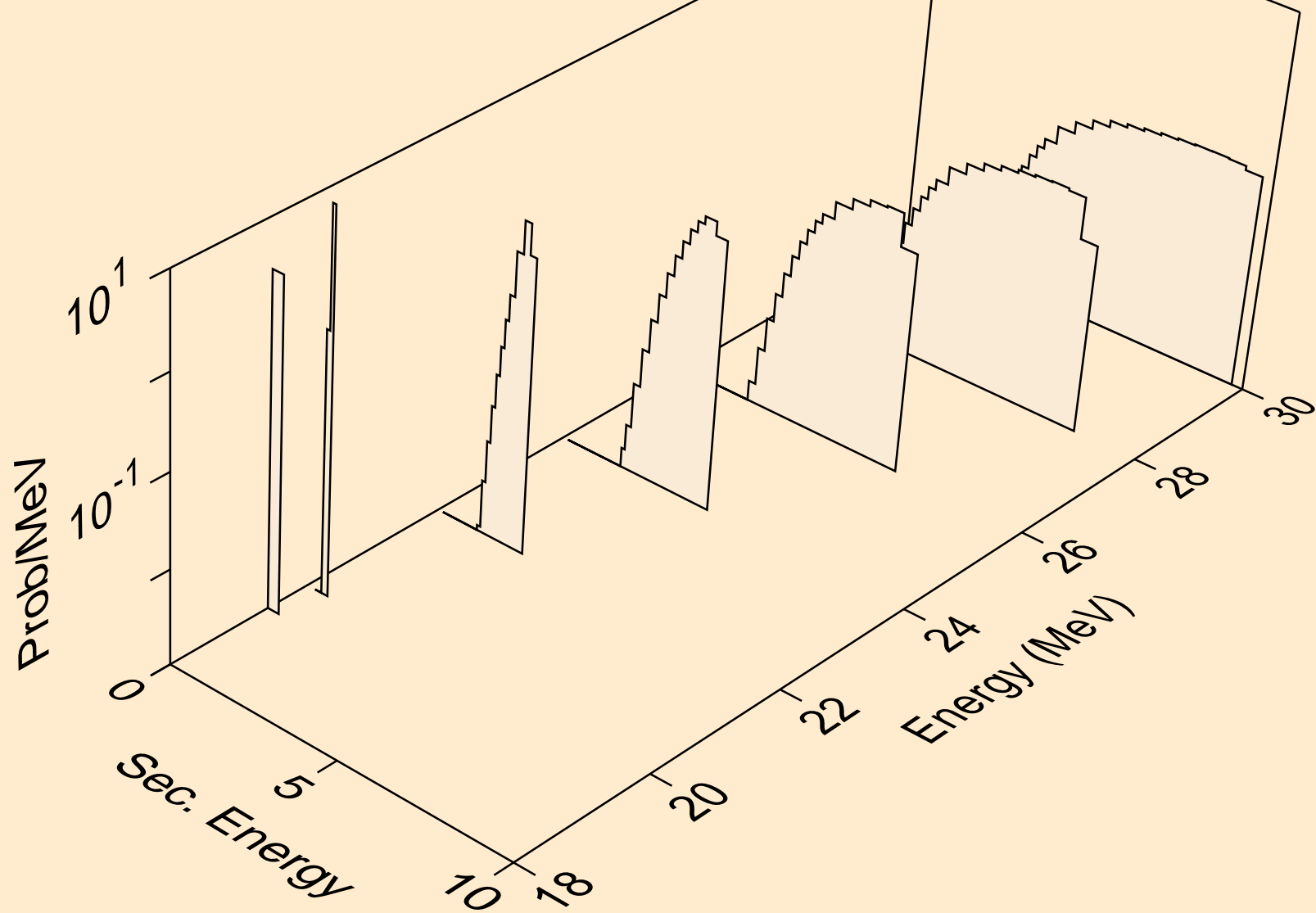
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,da)



MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)

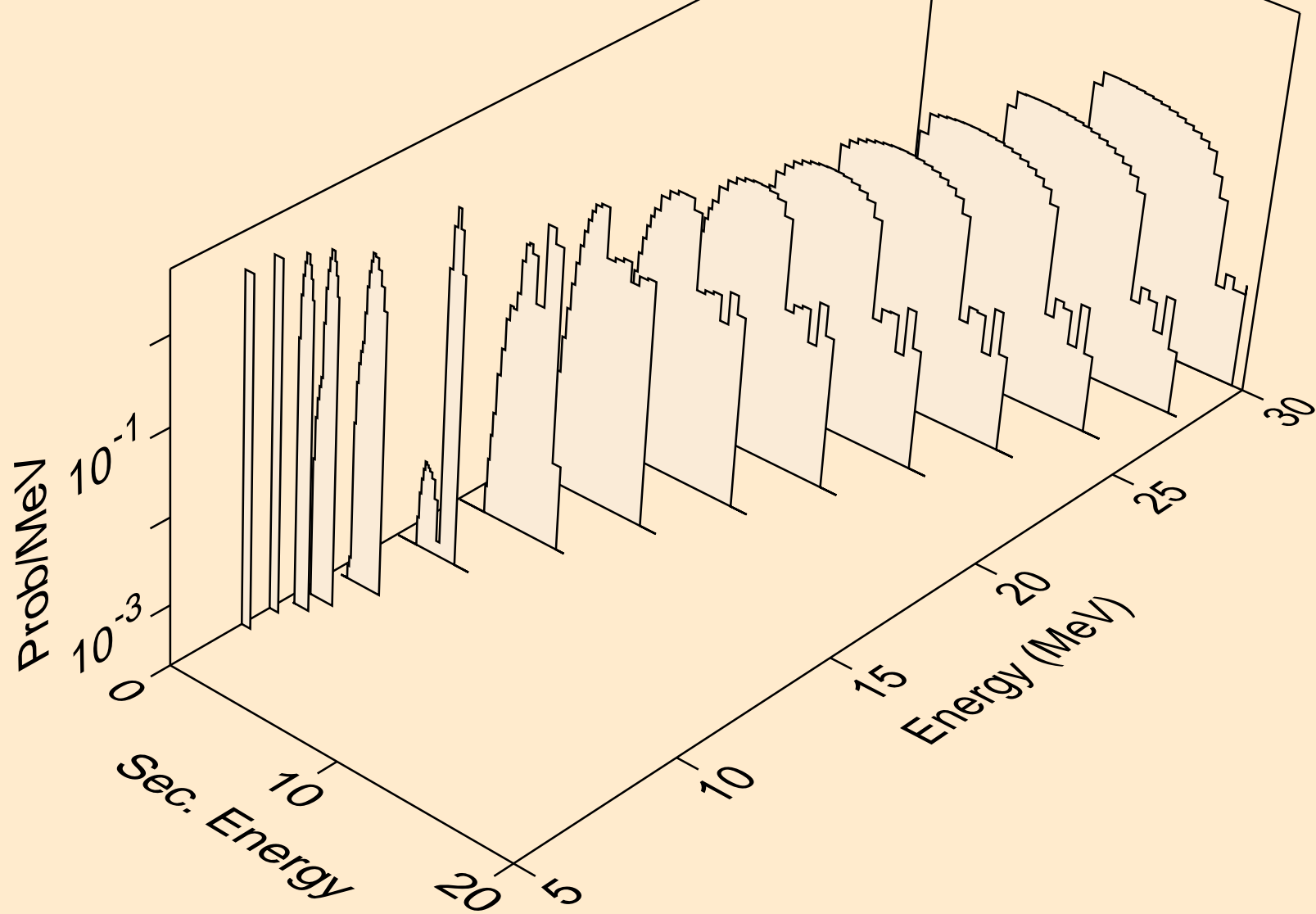


MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t

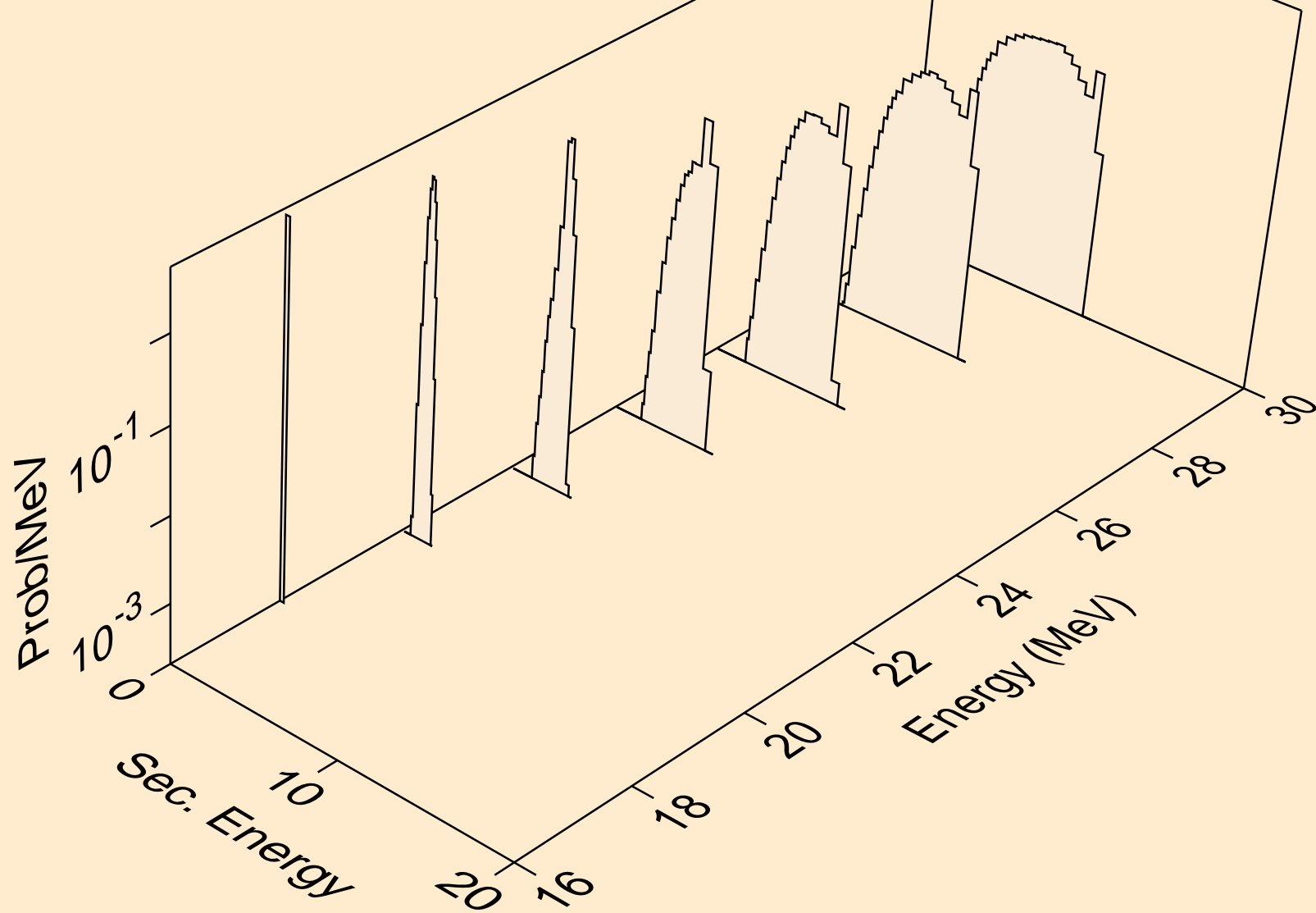




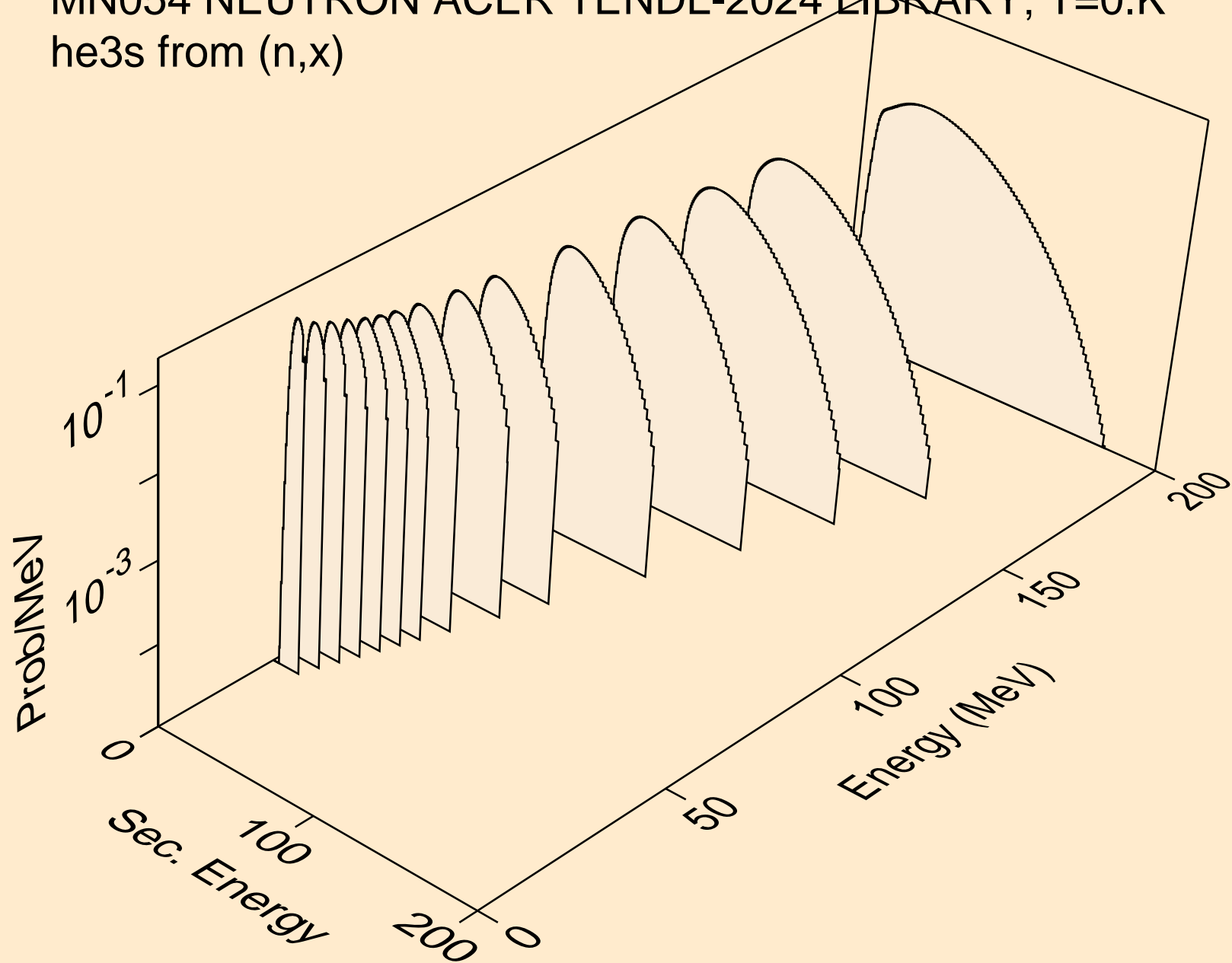
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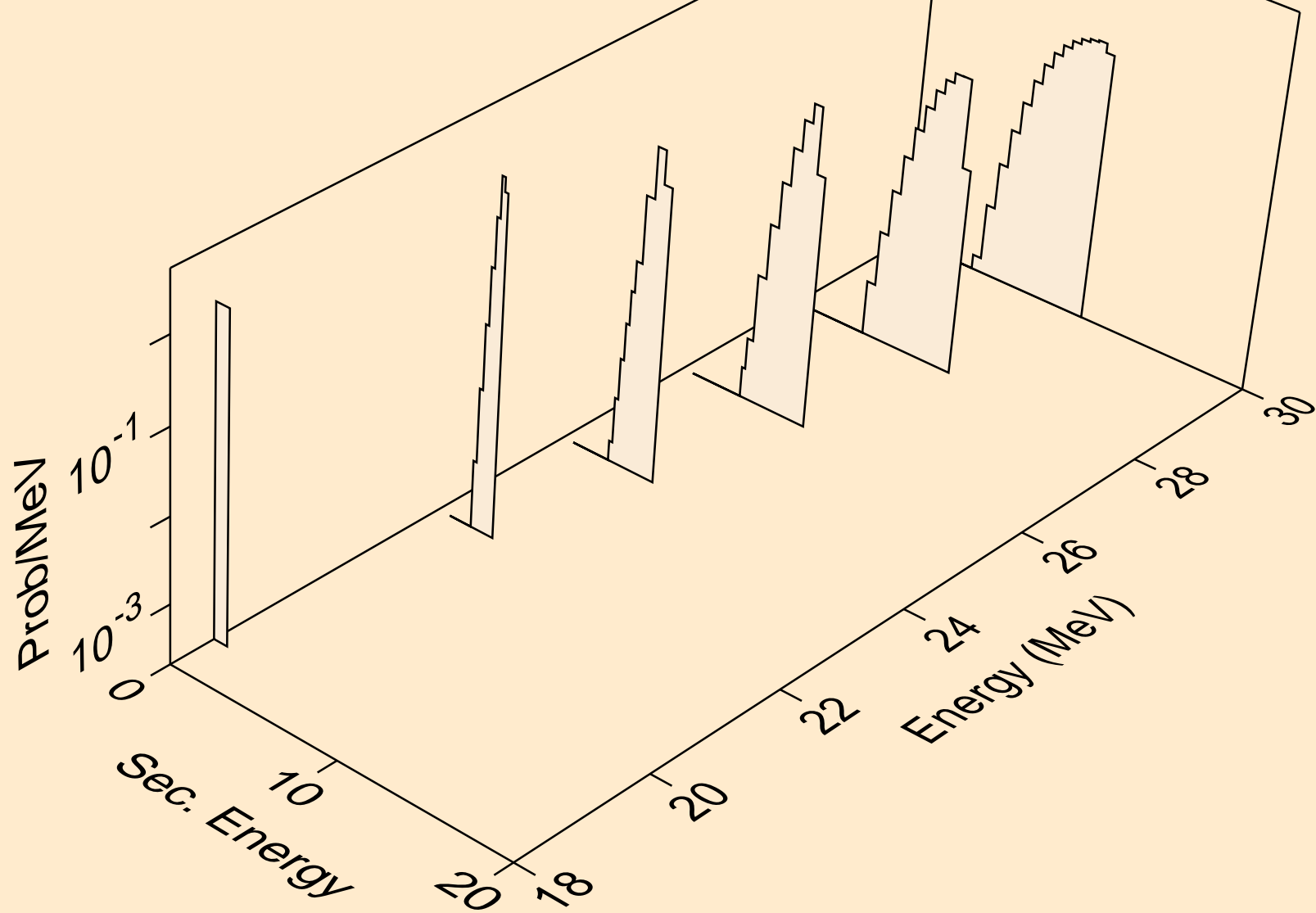
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tritons from (n,pt)



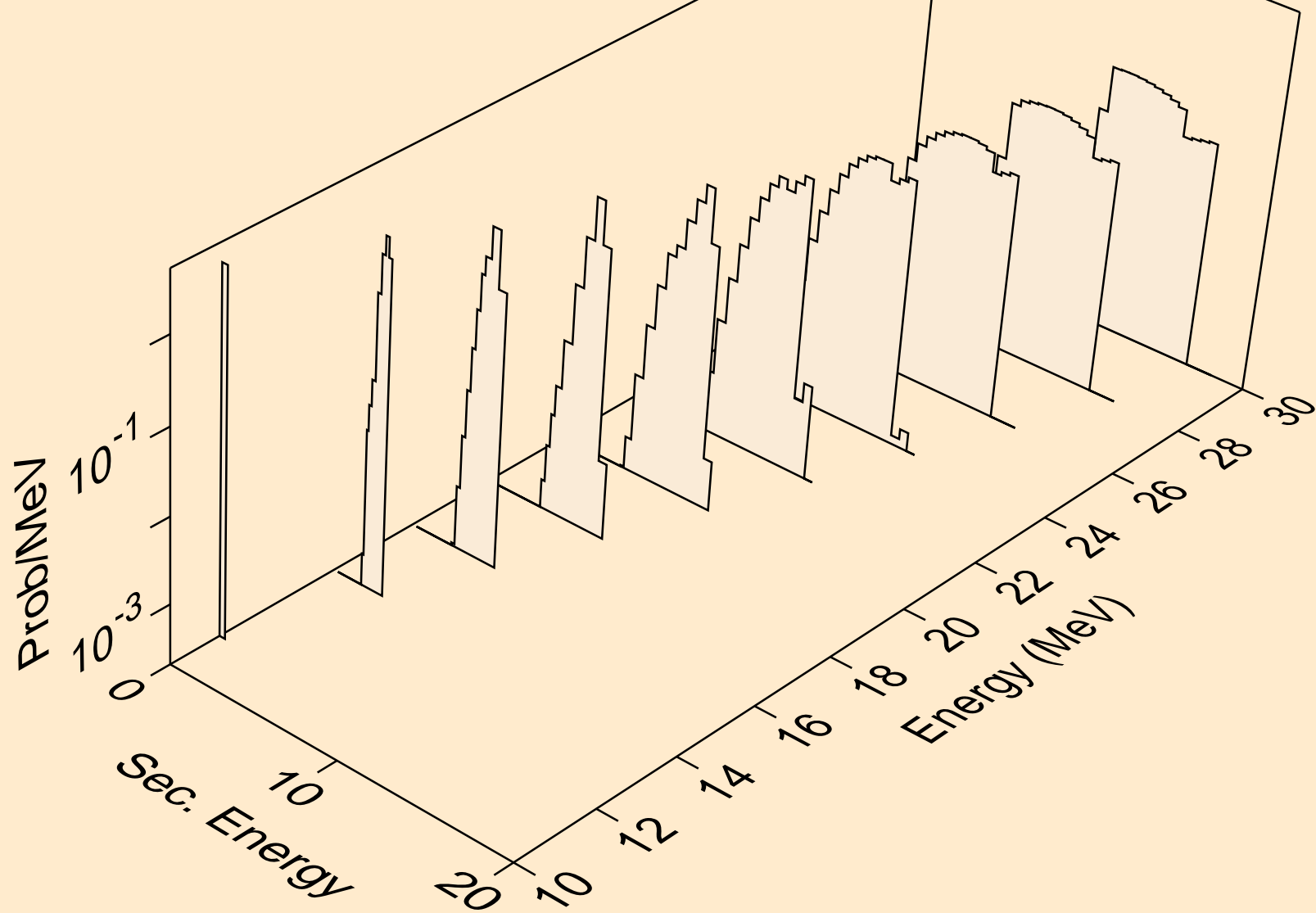
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he3s from (n,x)



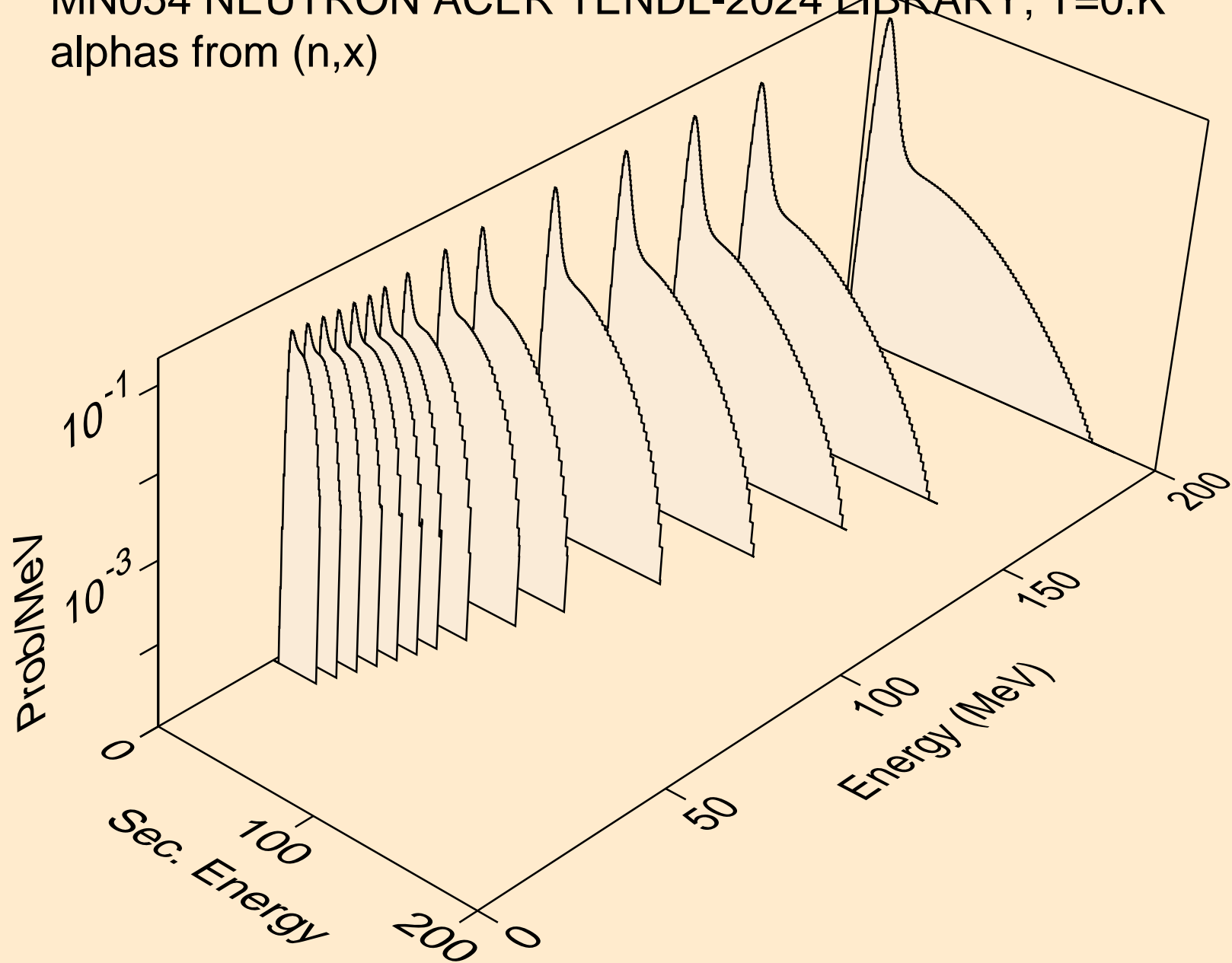
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he3s from (n,n\*)he3



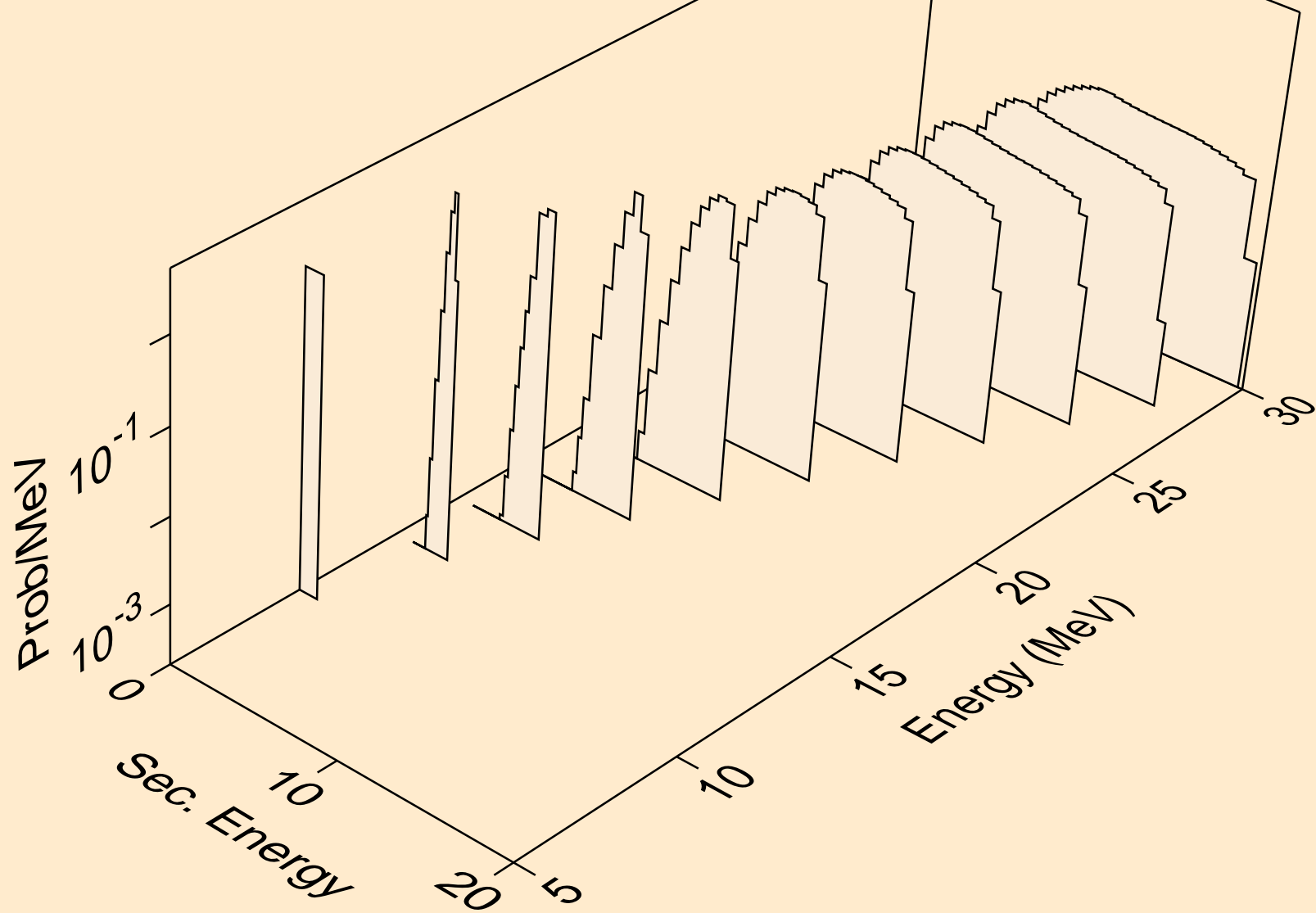
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he3s from (n,he3)



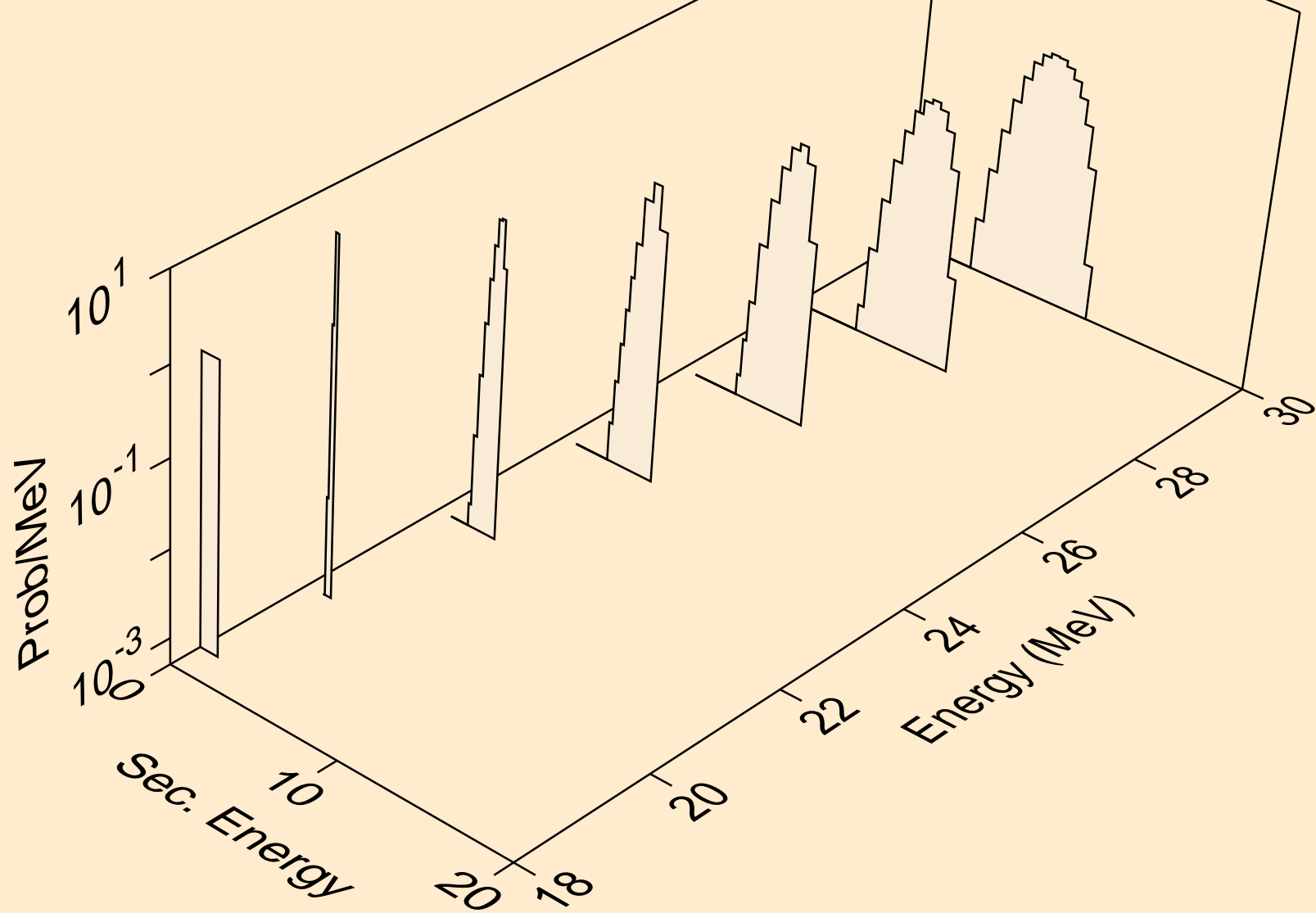
MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a

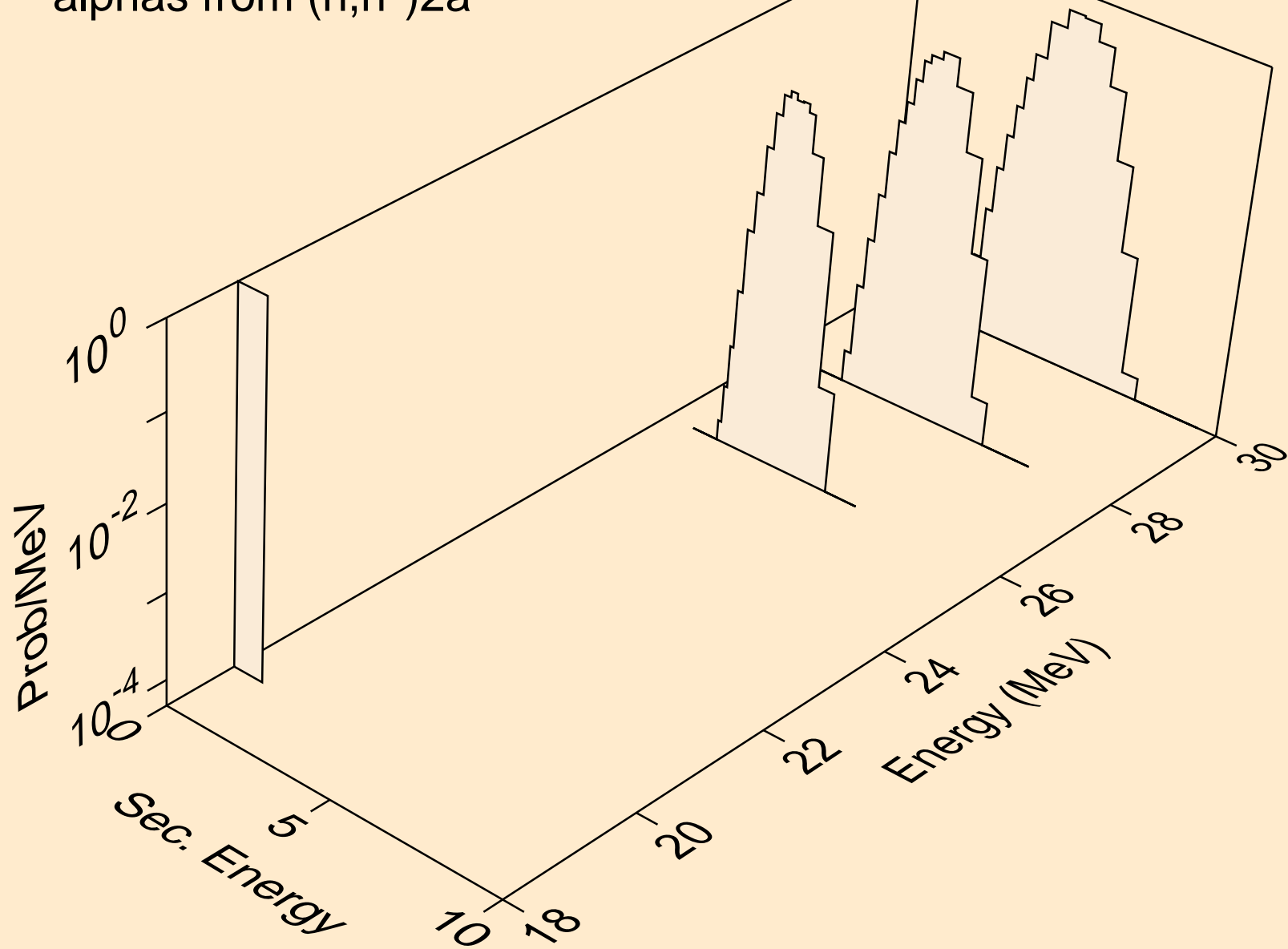


MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a

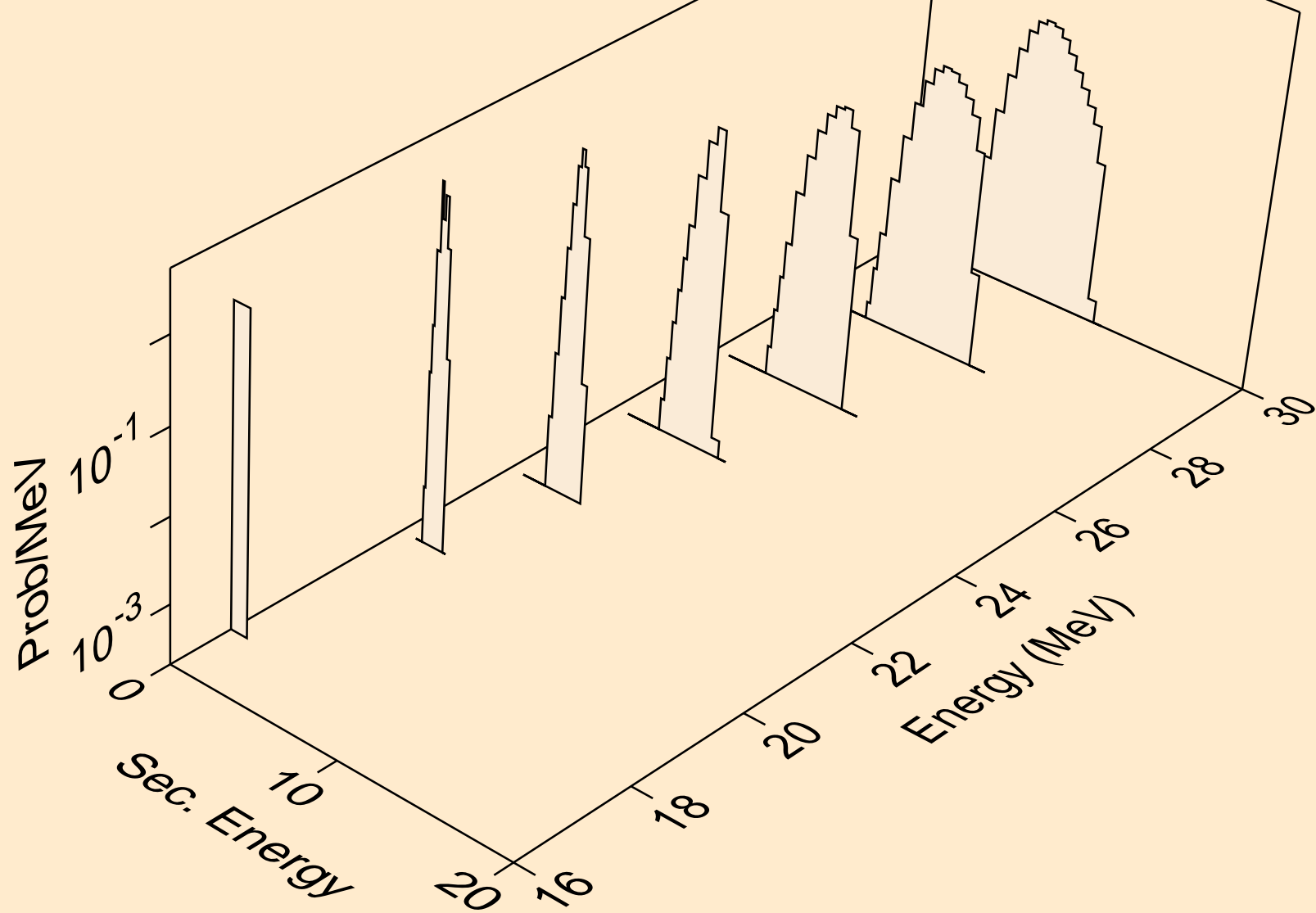




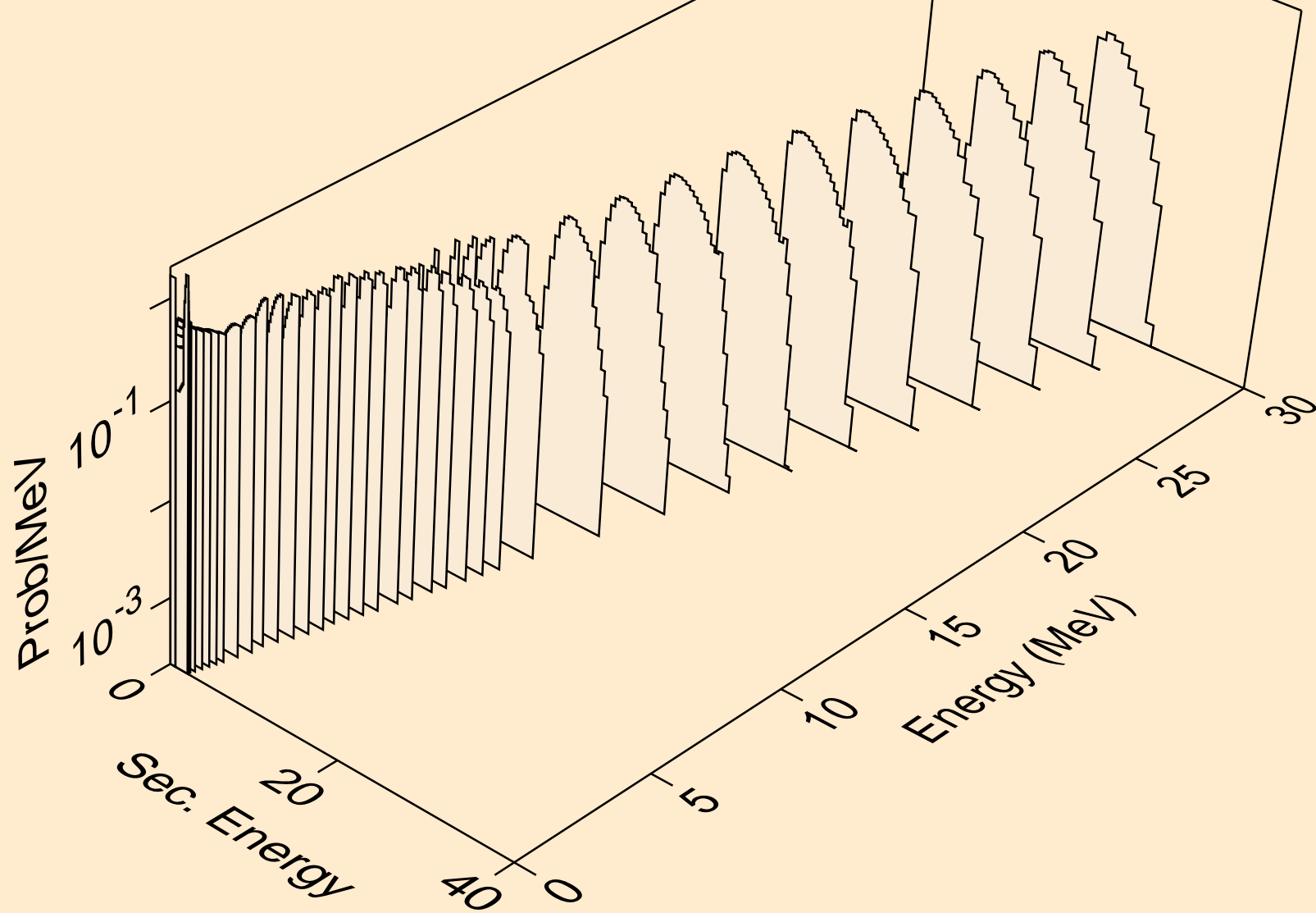
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alphas from (n,n\*)2a



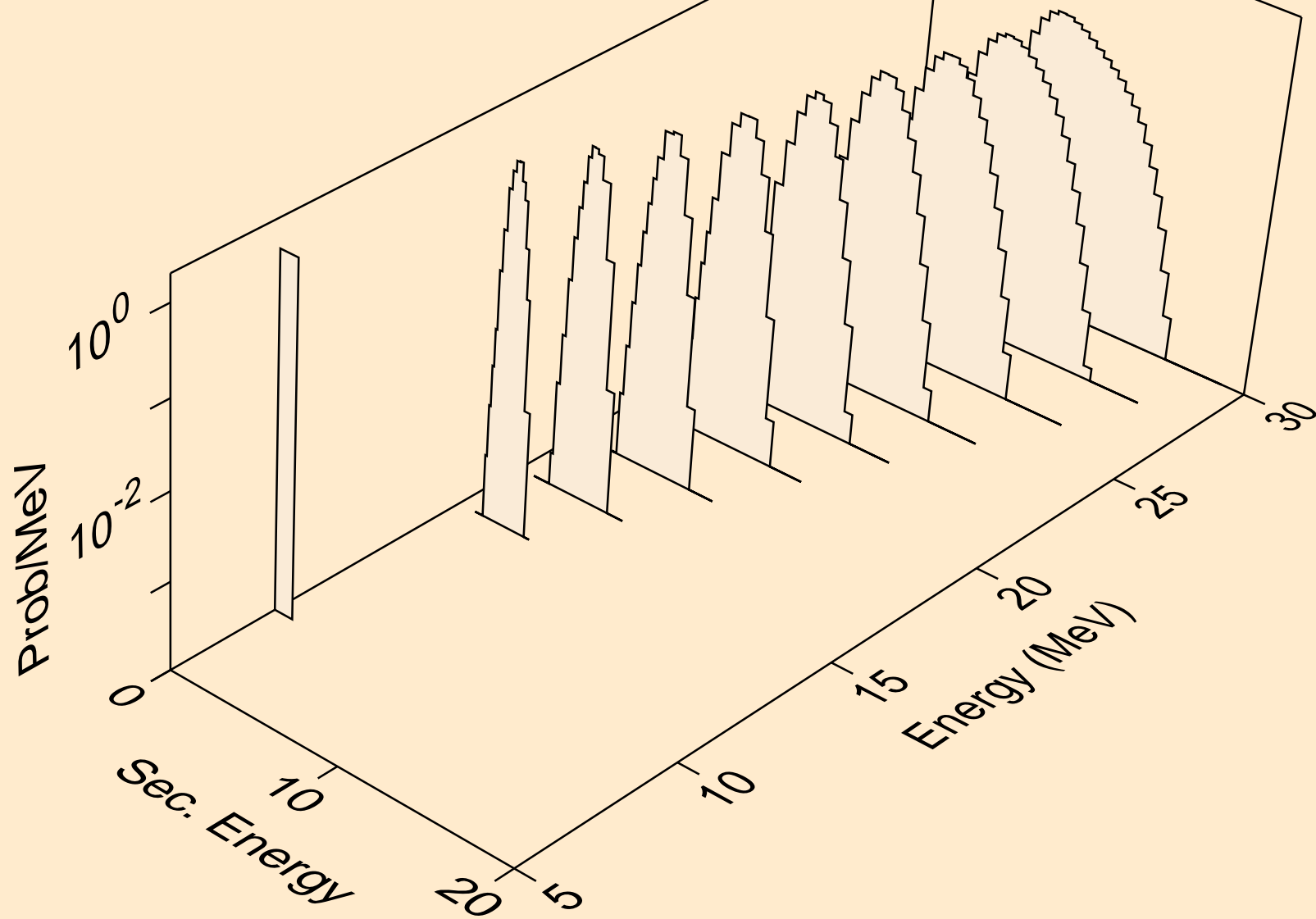
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alphas from (n,npa)



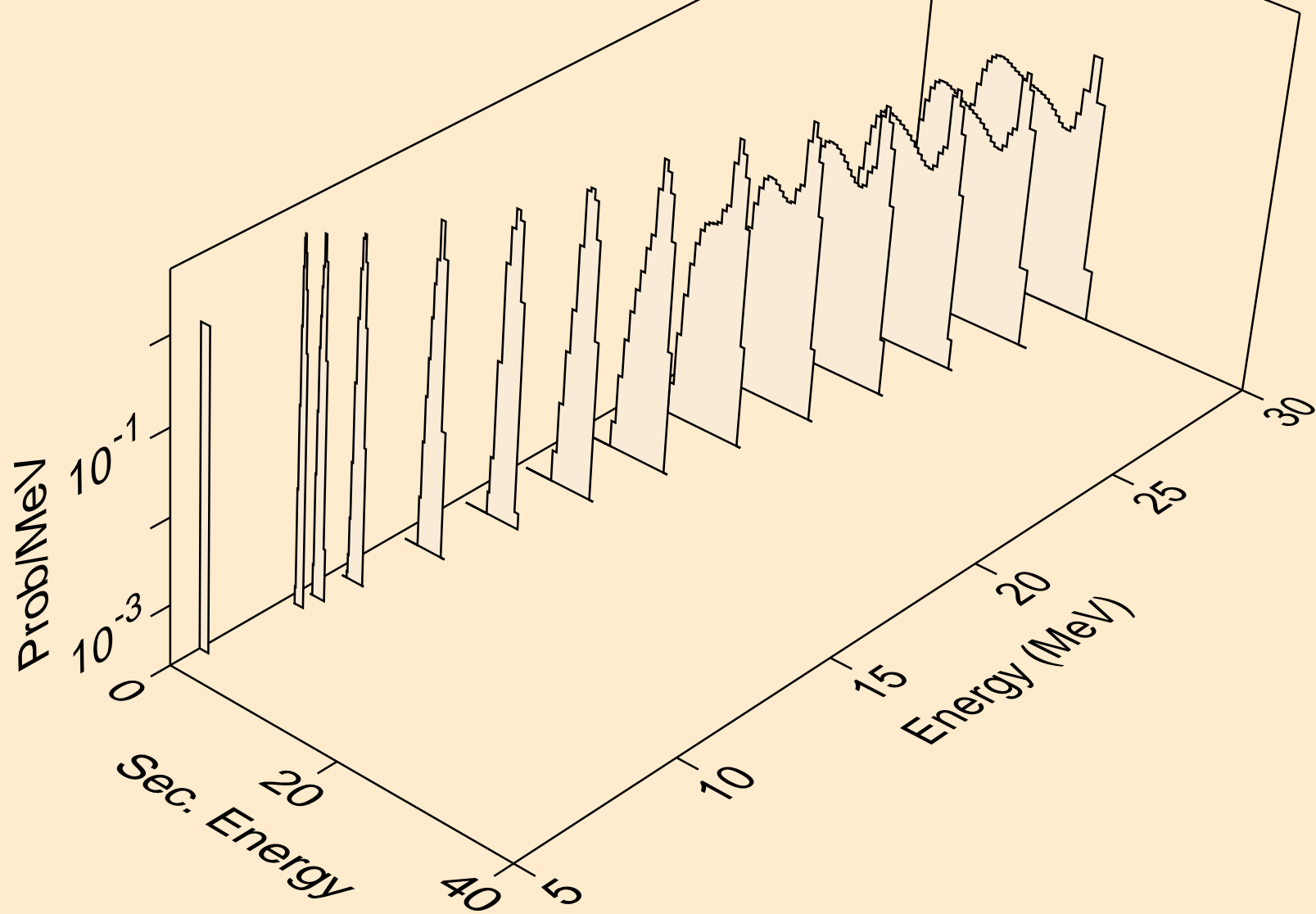
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alphas from (n,a)



MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



MN054 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

