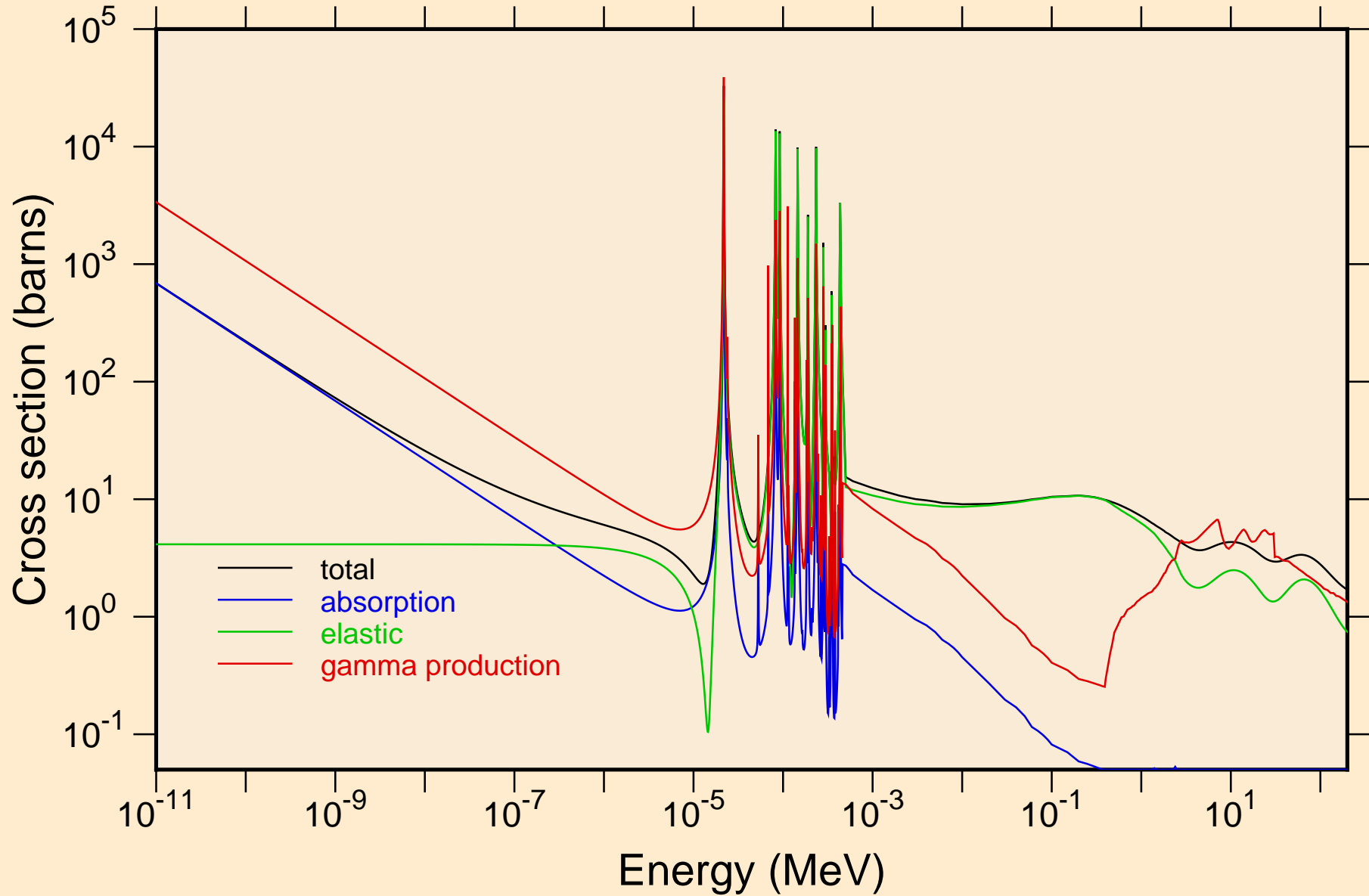
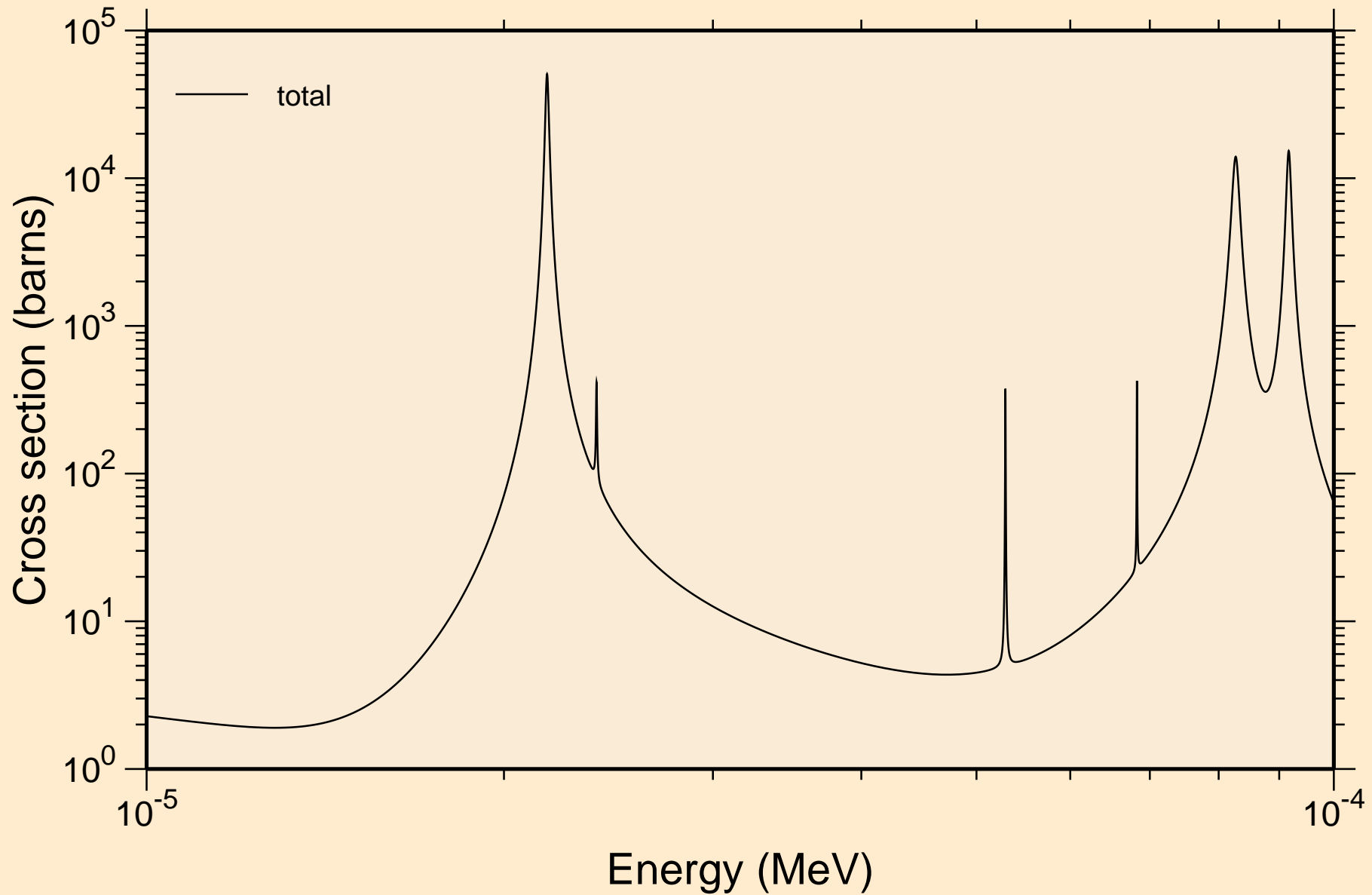


# NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

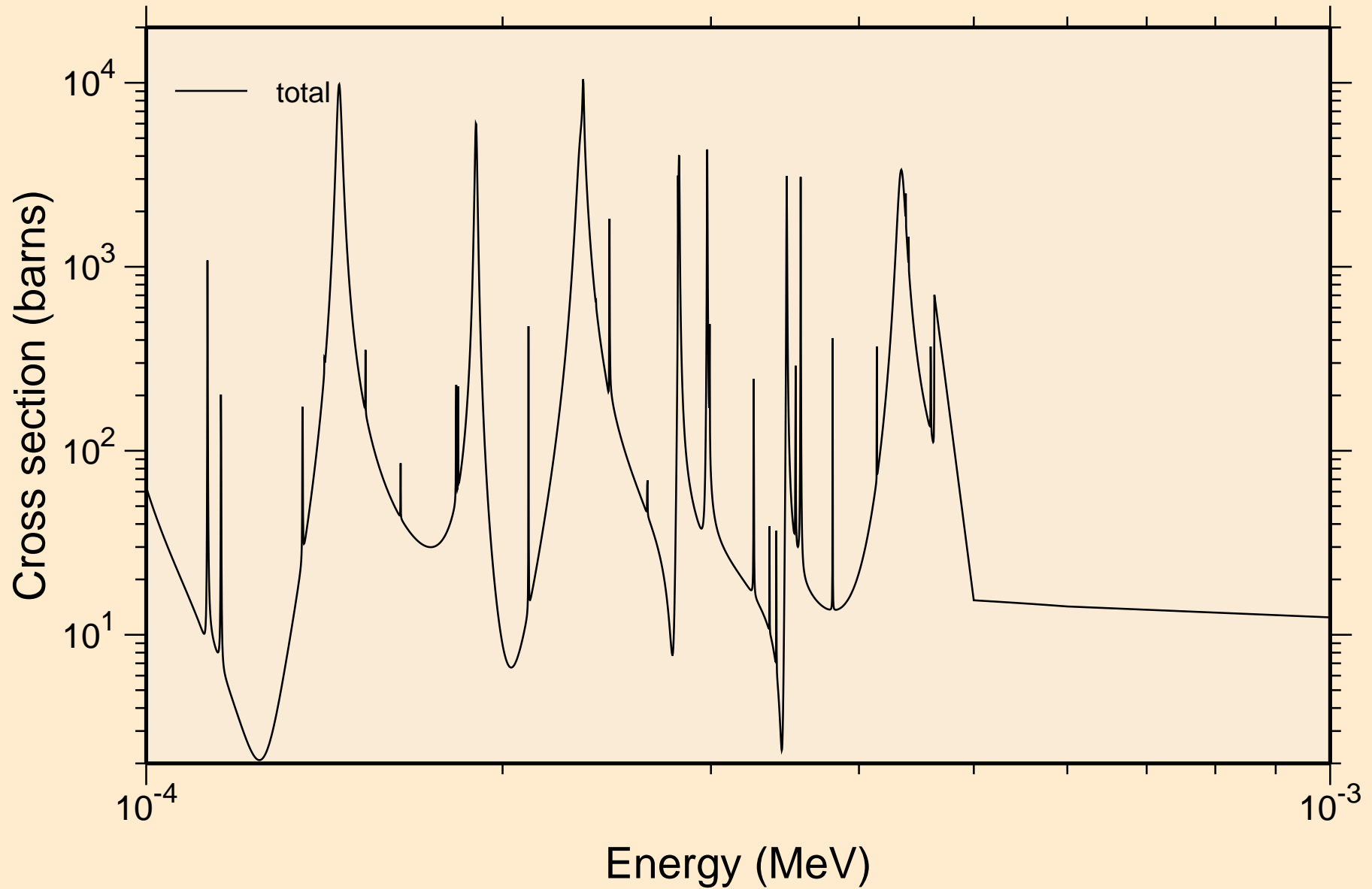
## Principal cross sections



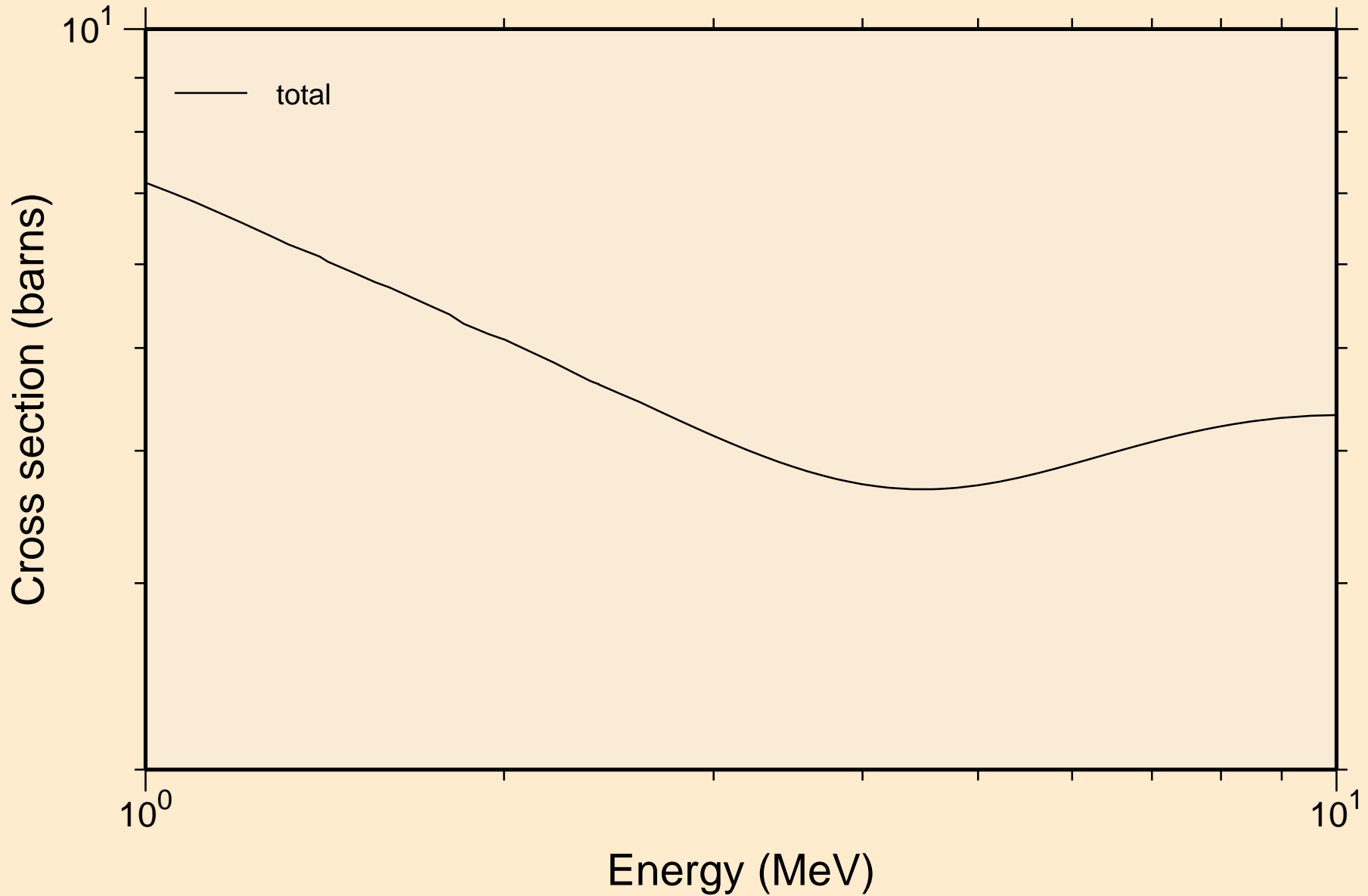
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resonance total cross section



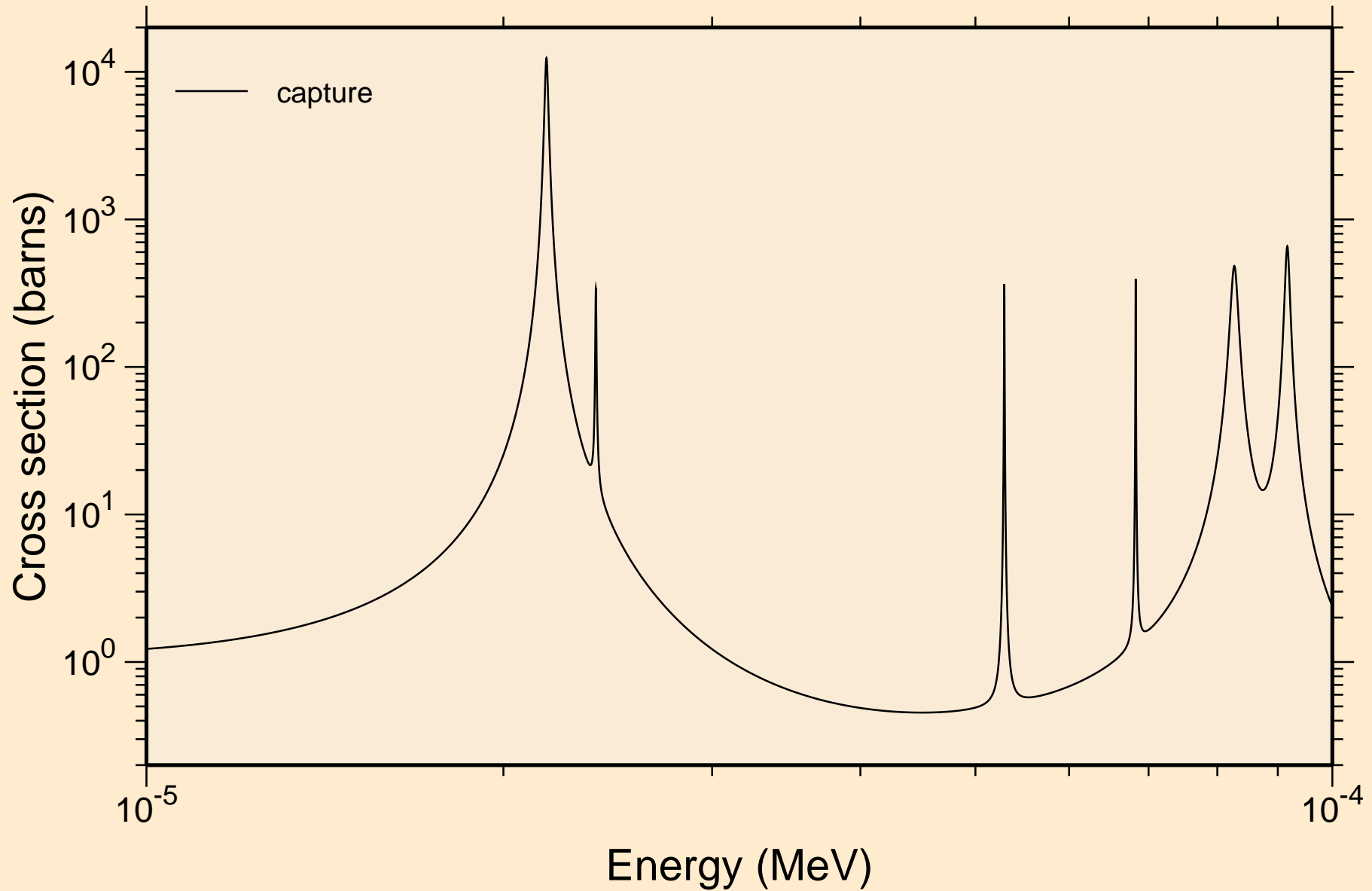
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



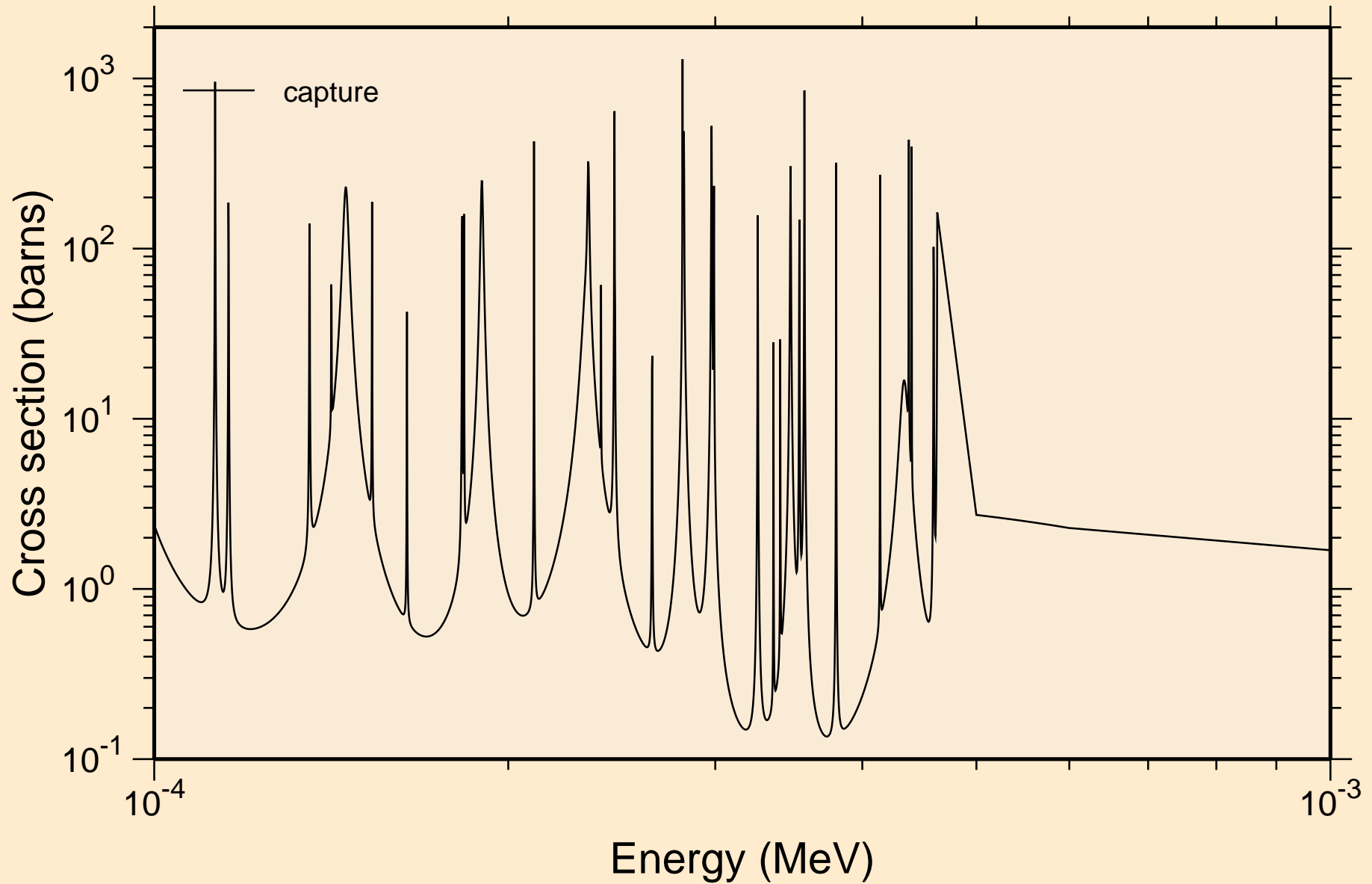
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



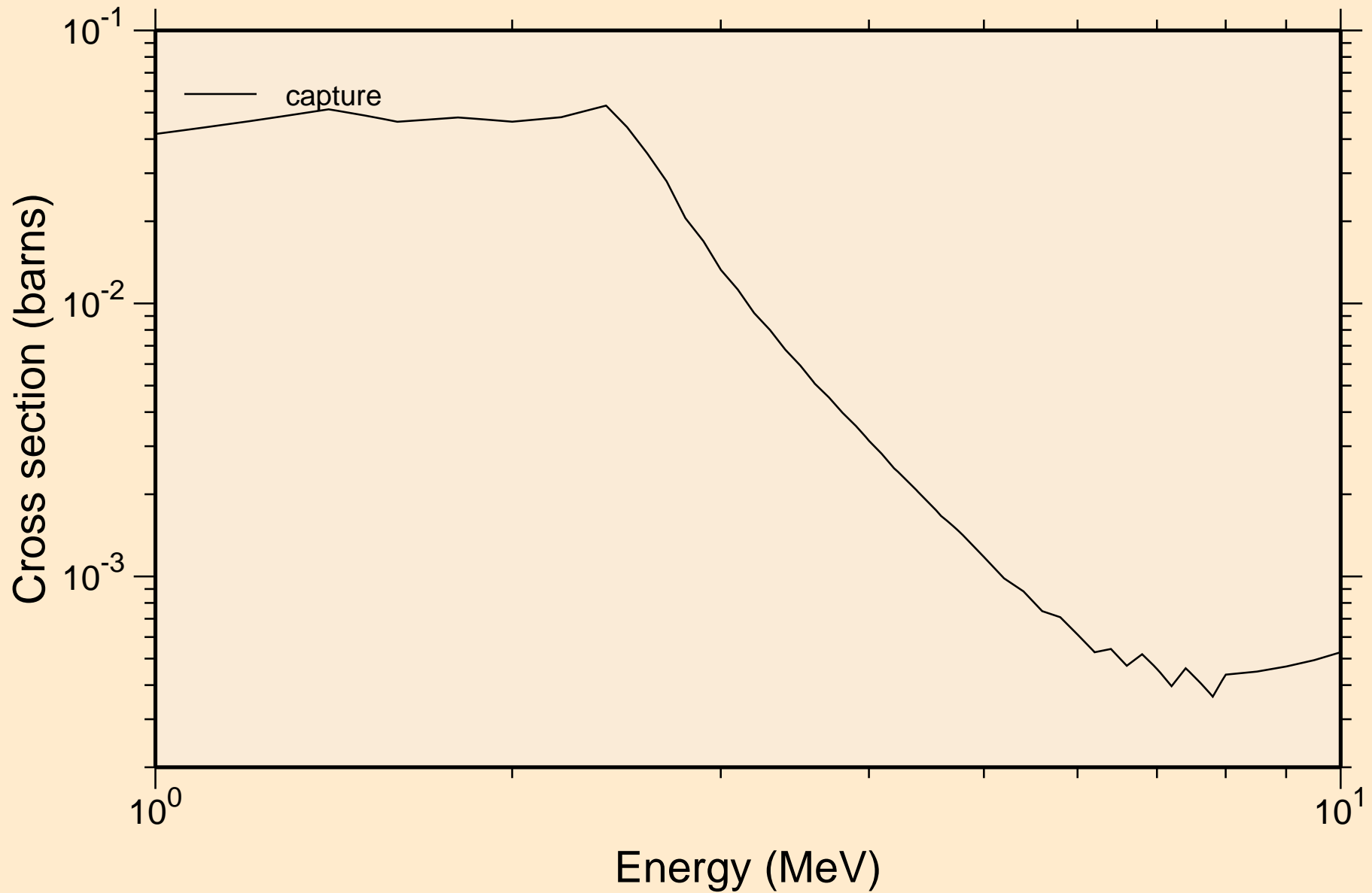
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



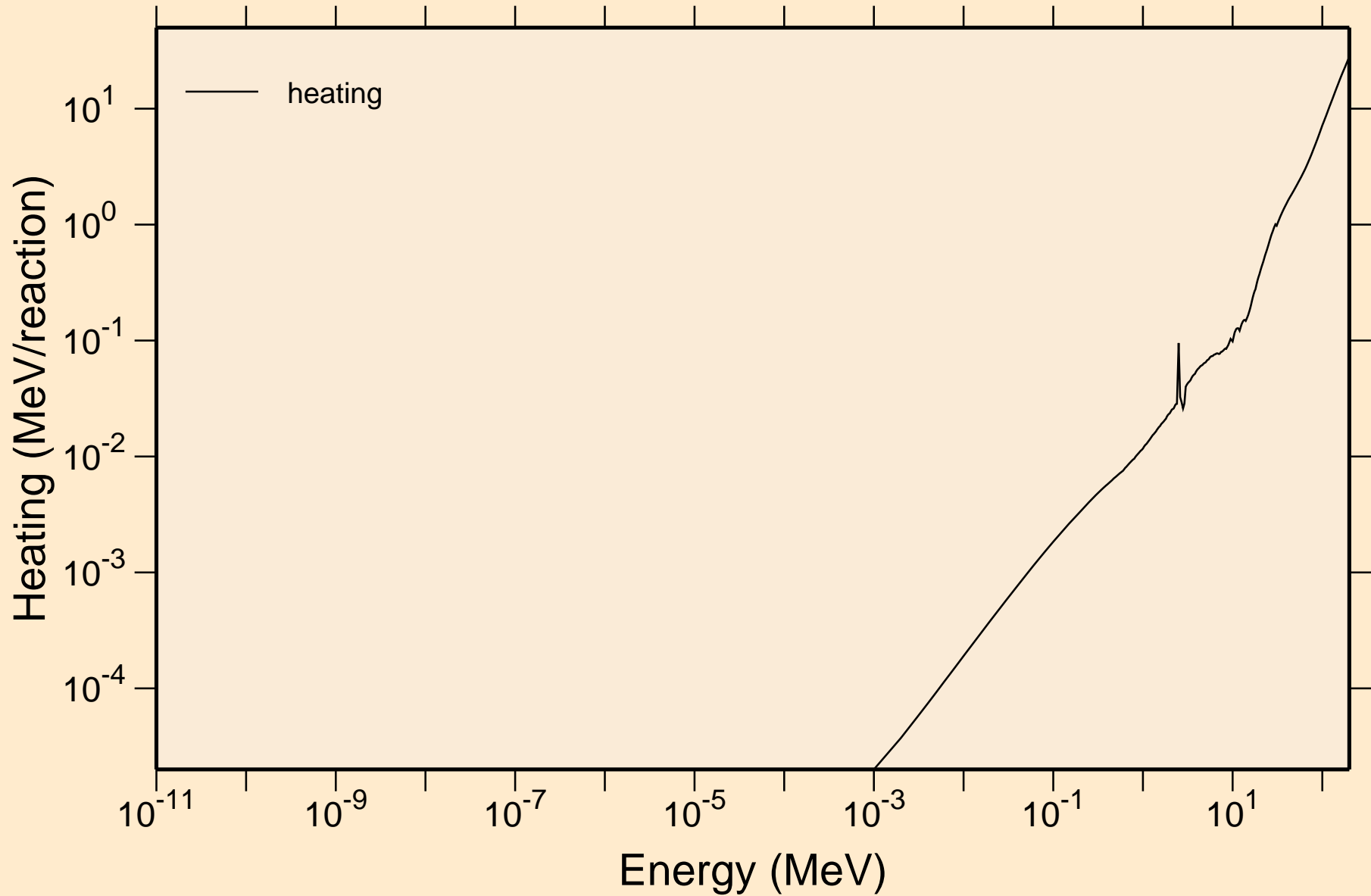
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

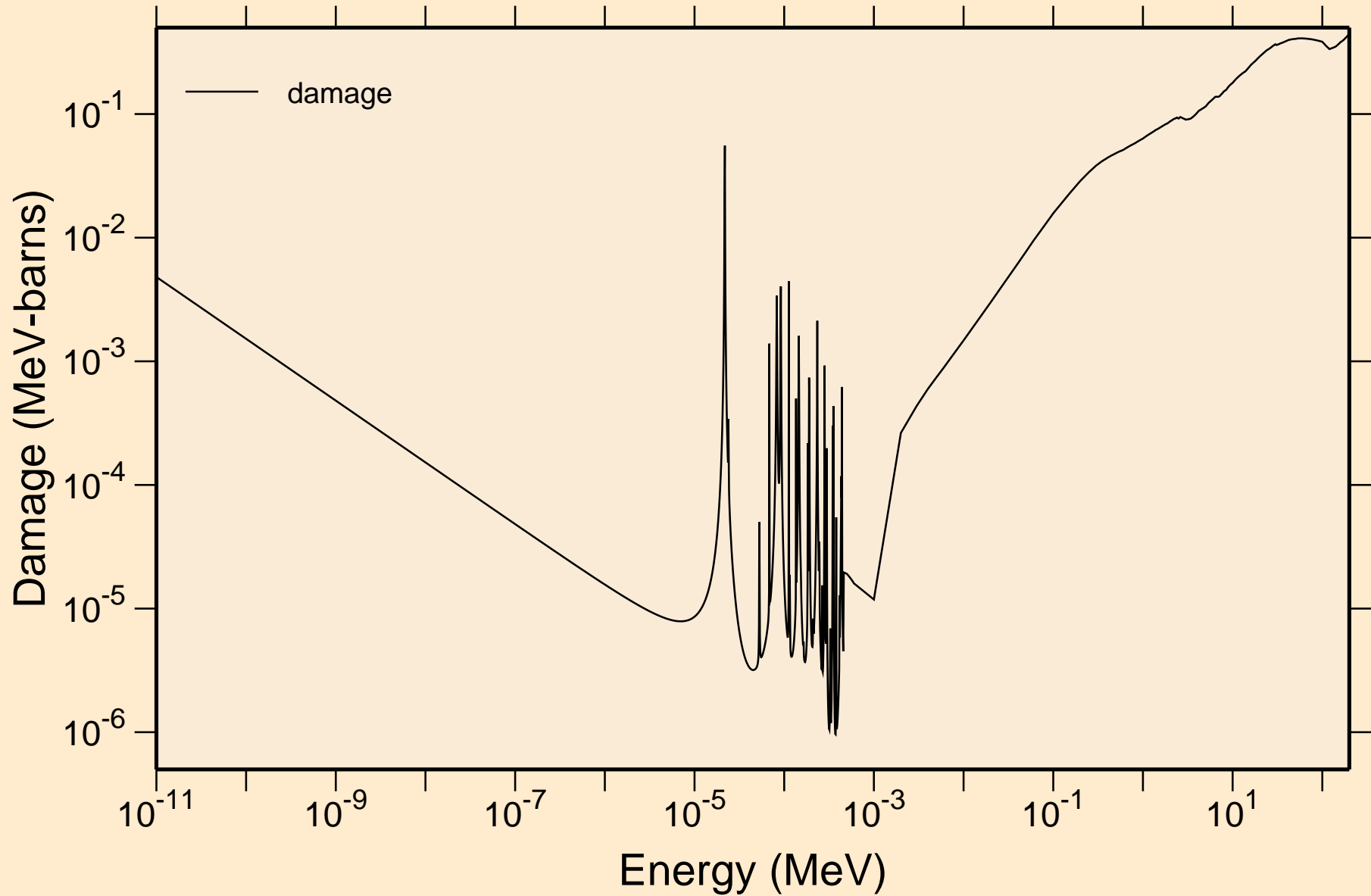


NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Heating

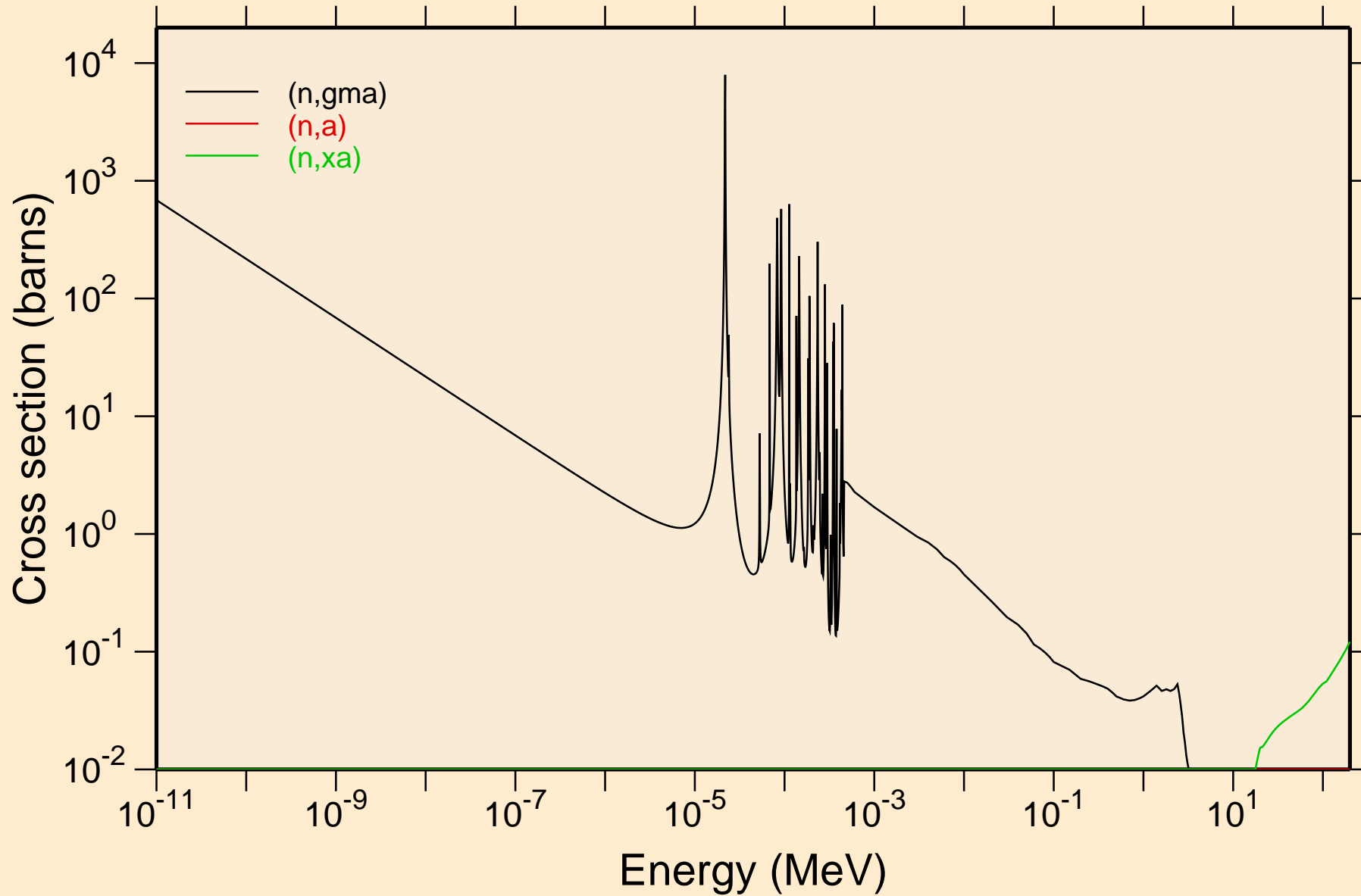




NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage

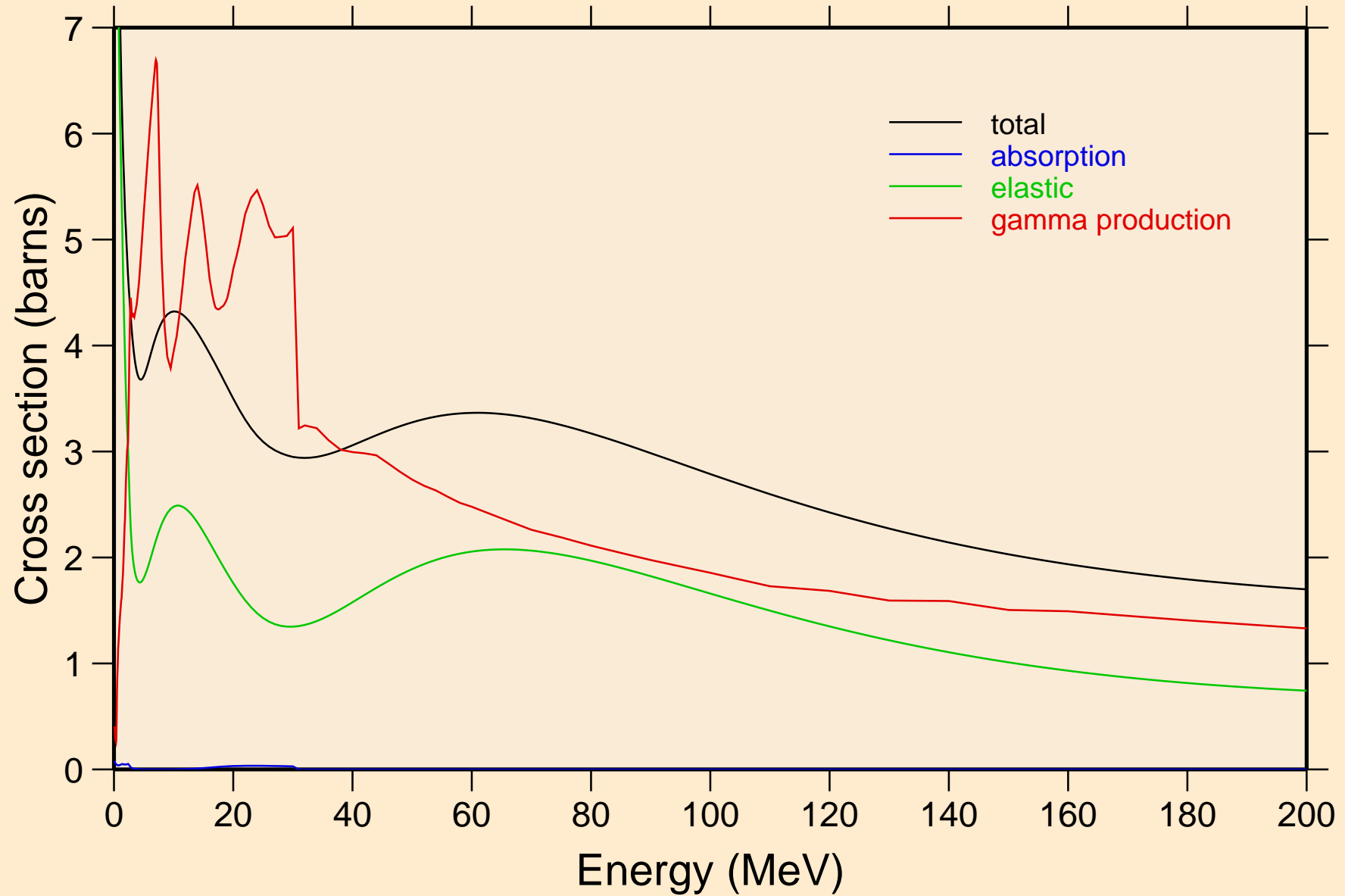


NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



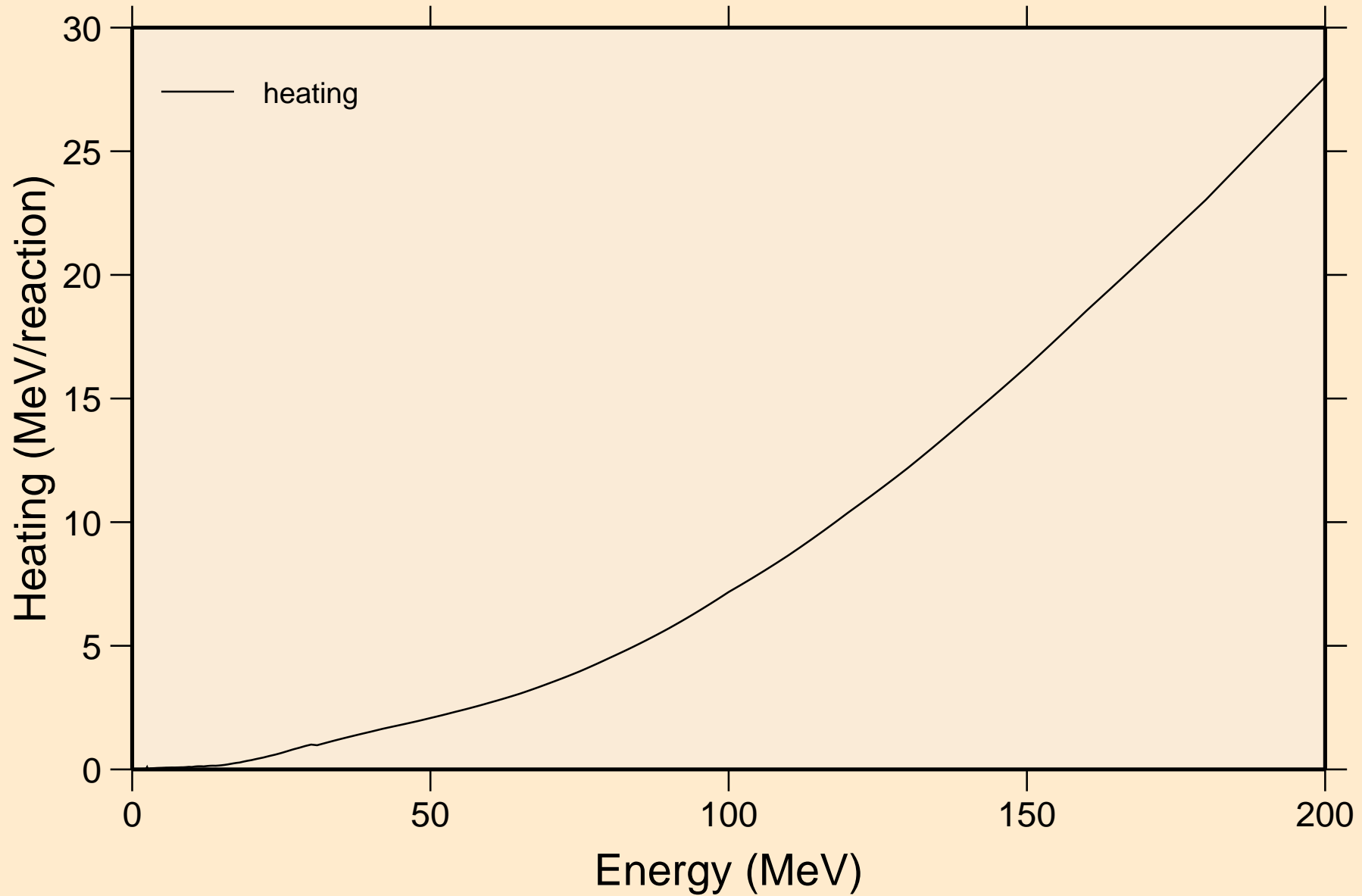
# NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections

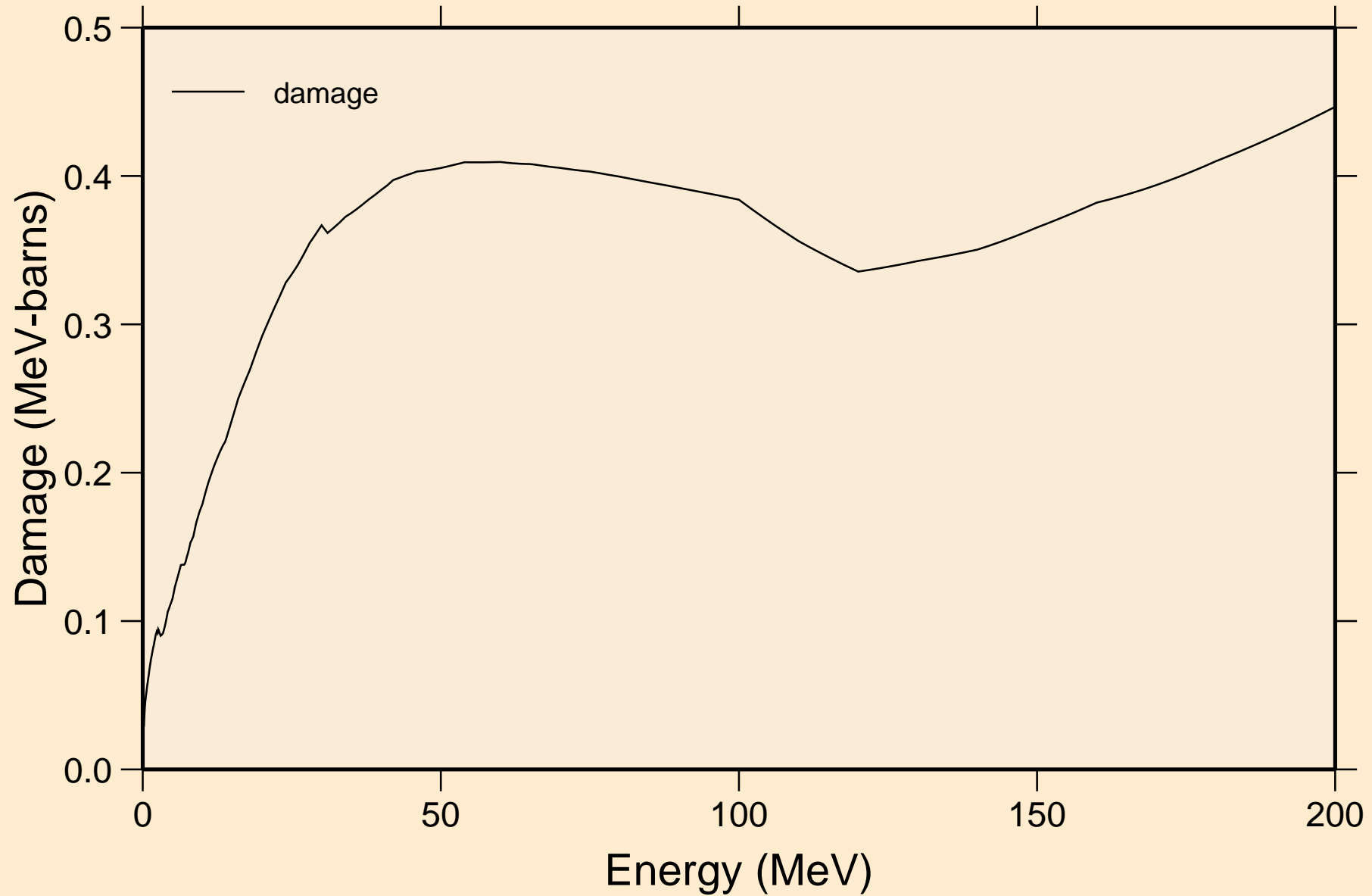


# NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

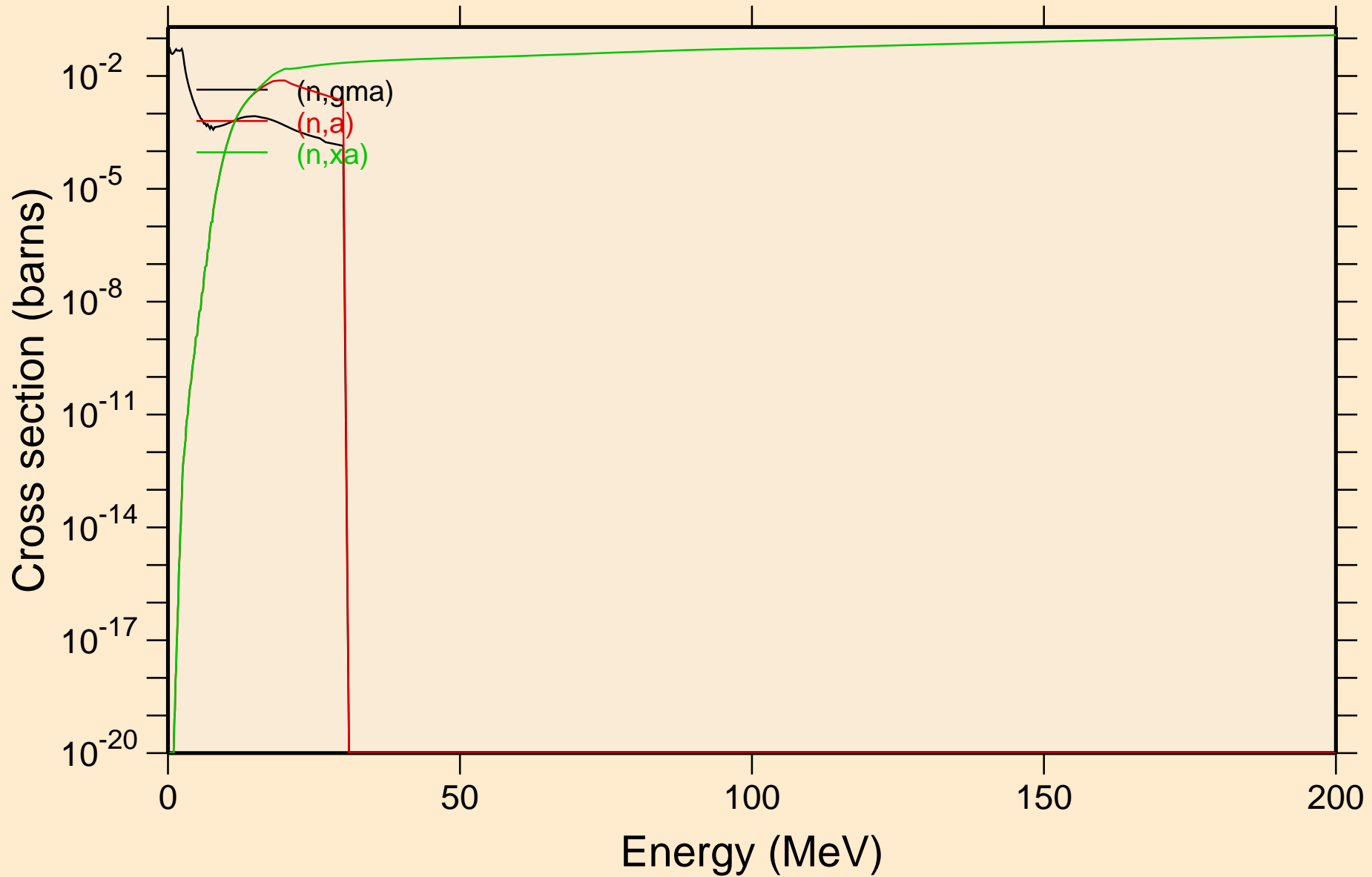
## Heating



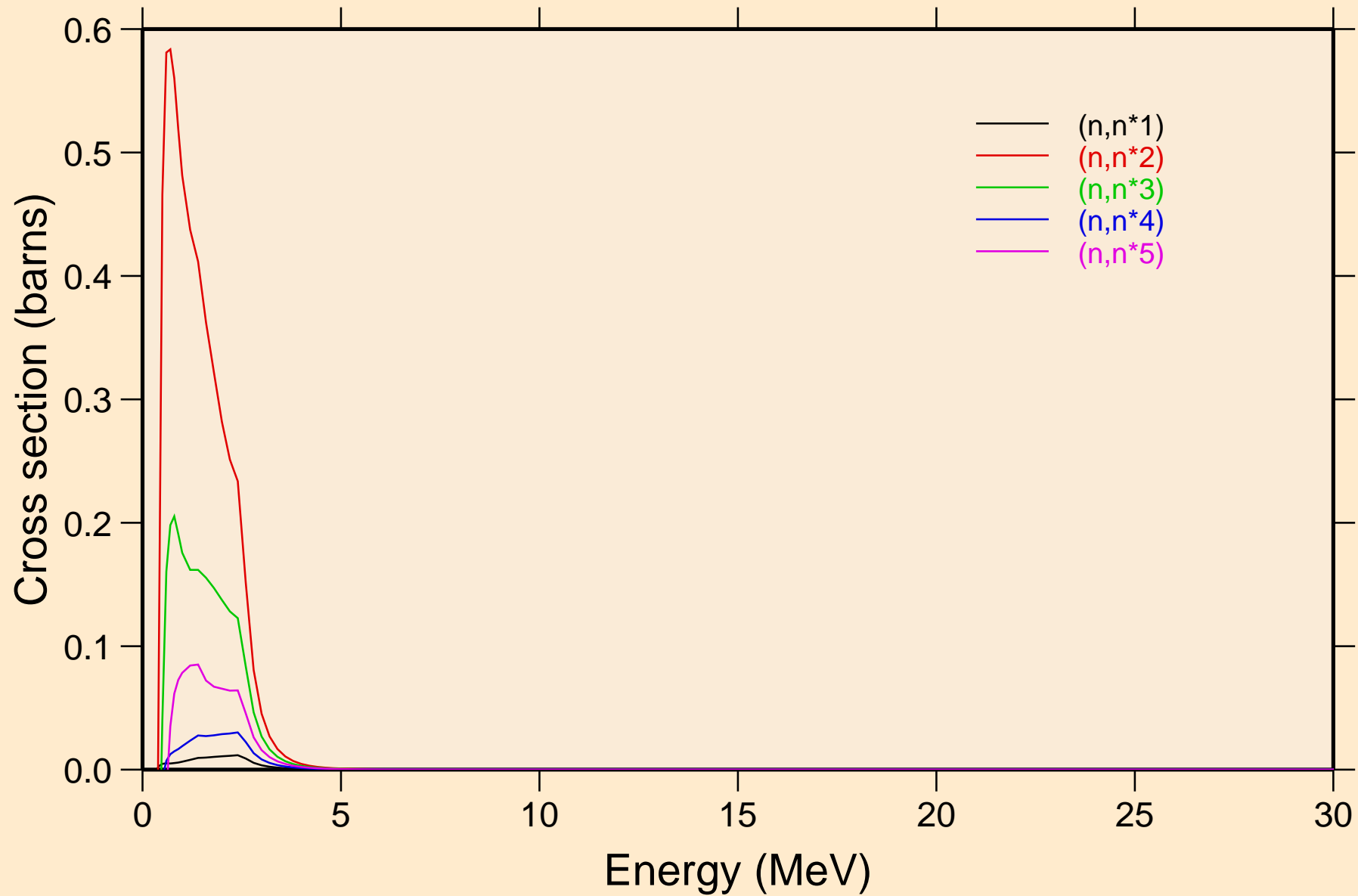
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage



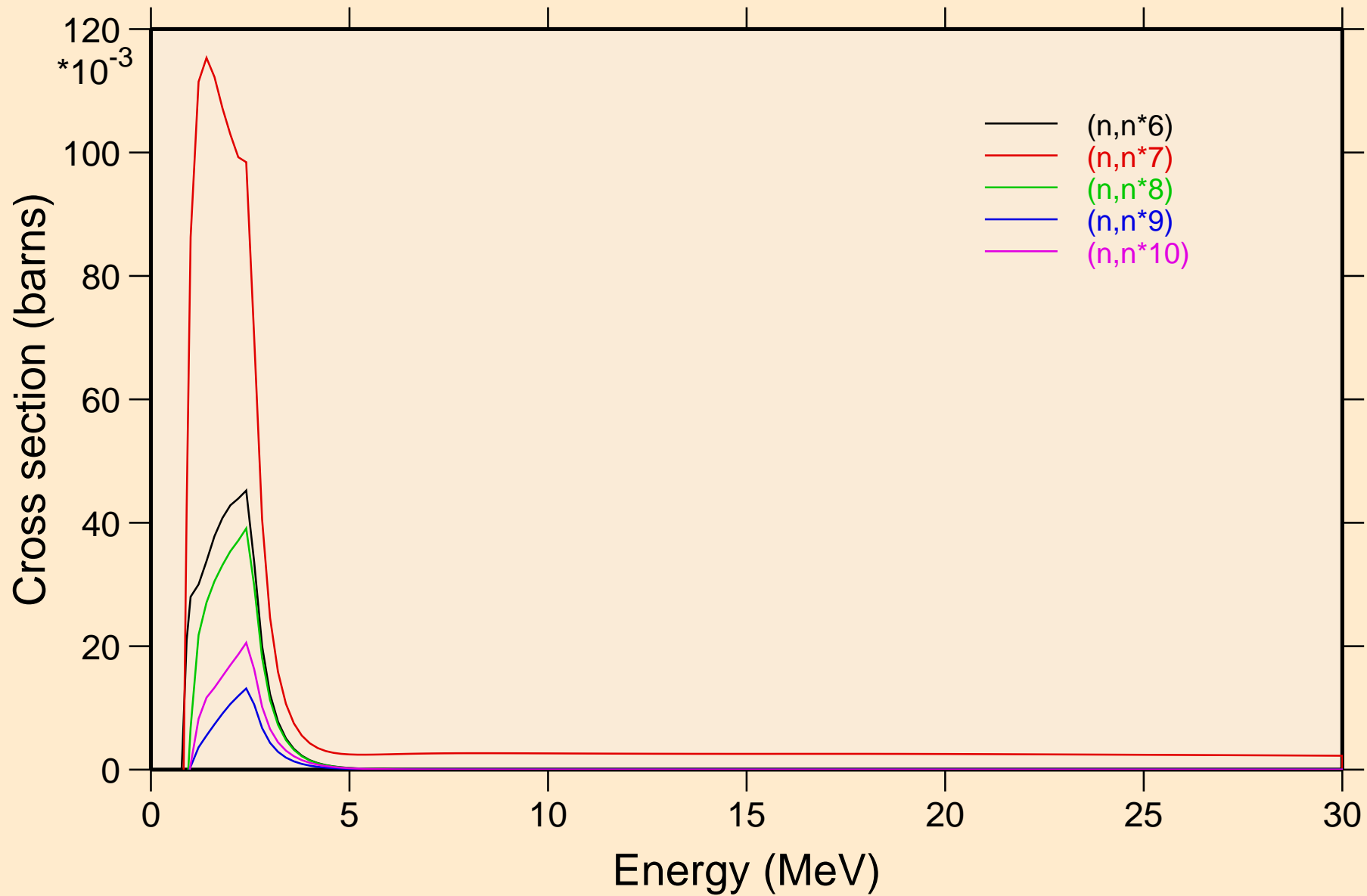
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



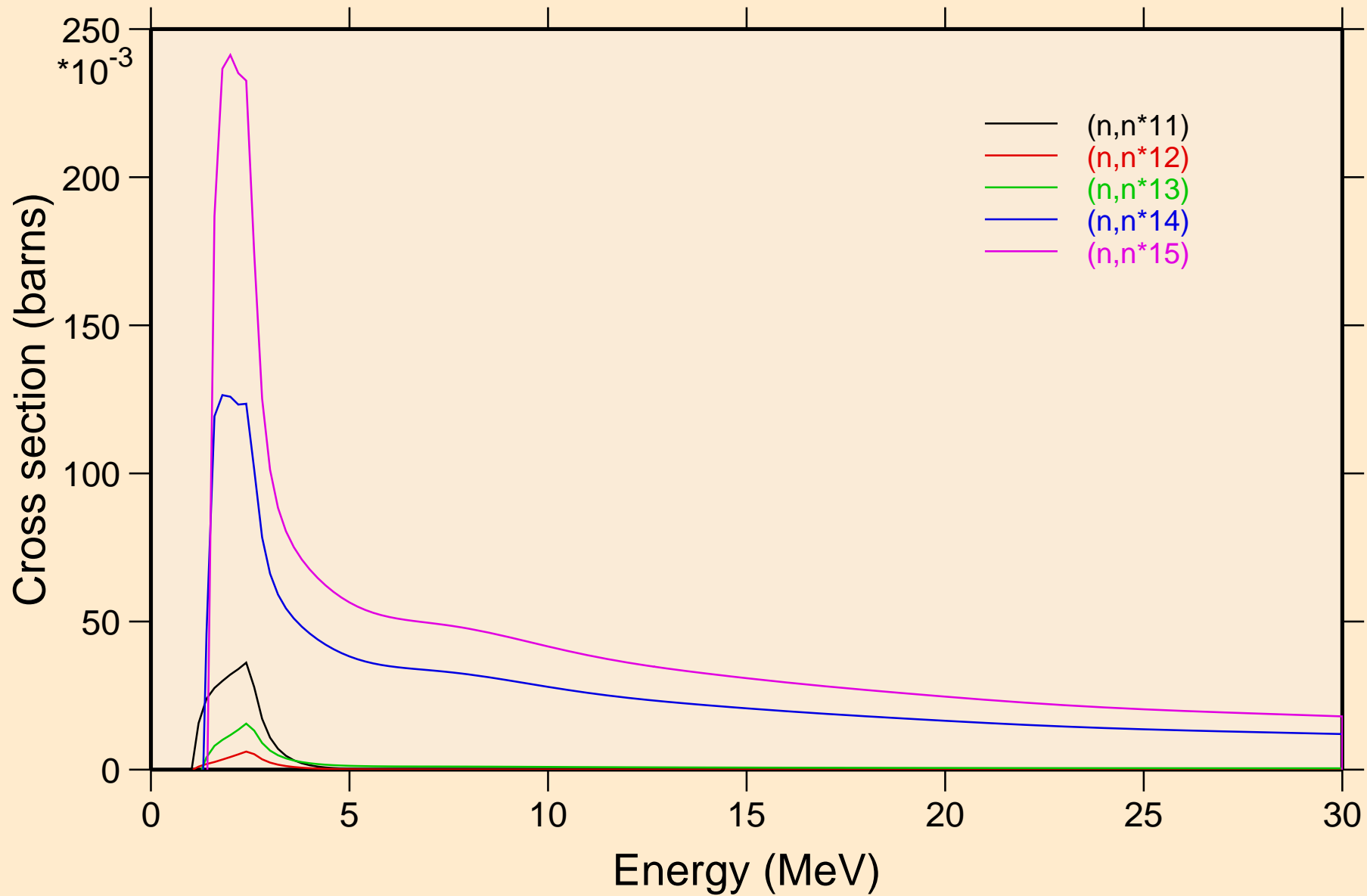
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



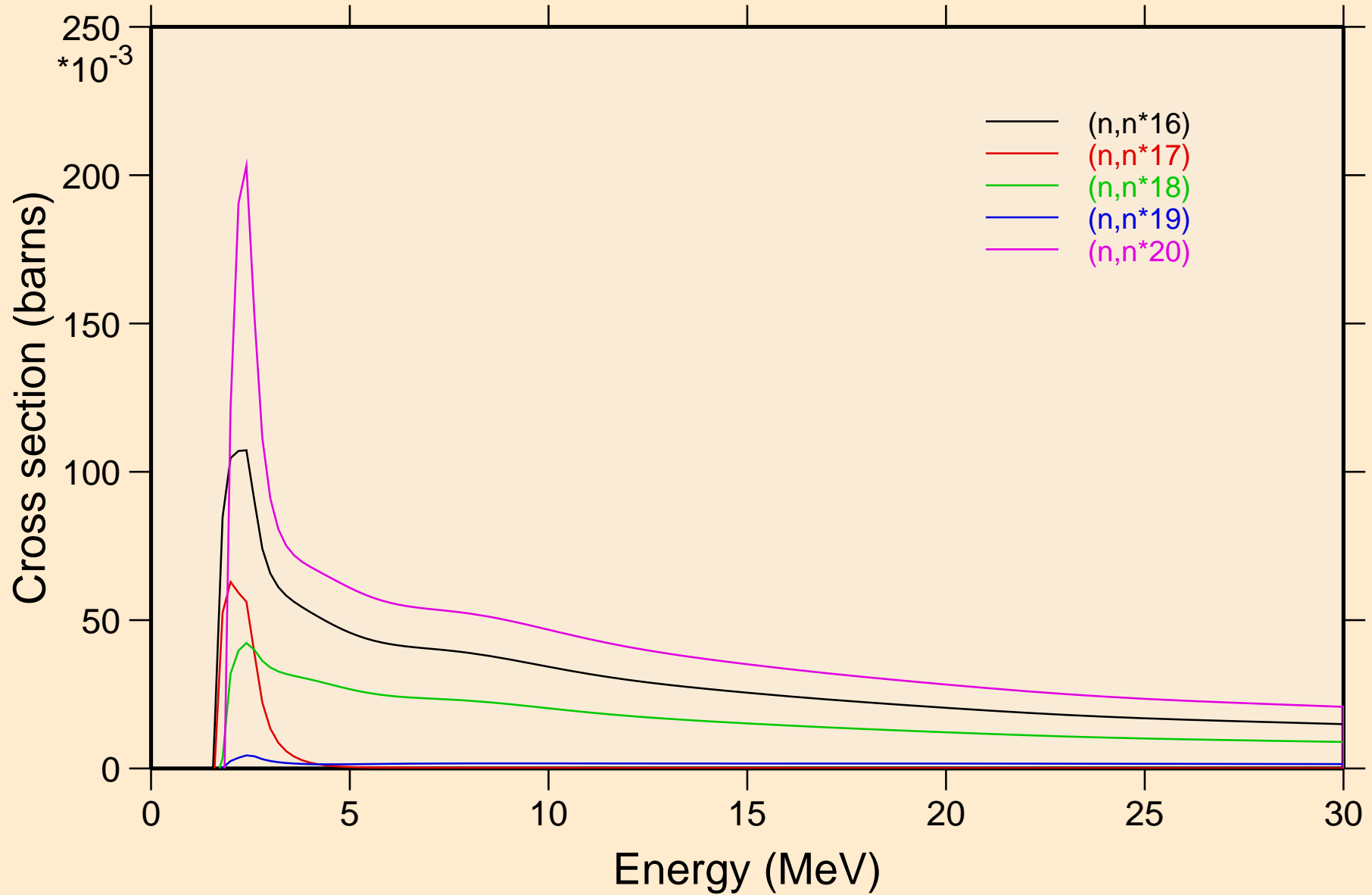


# NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

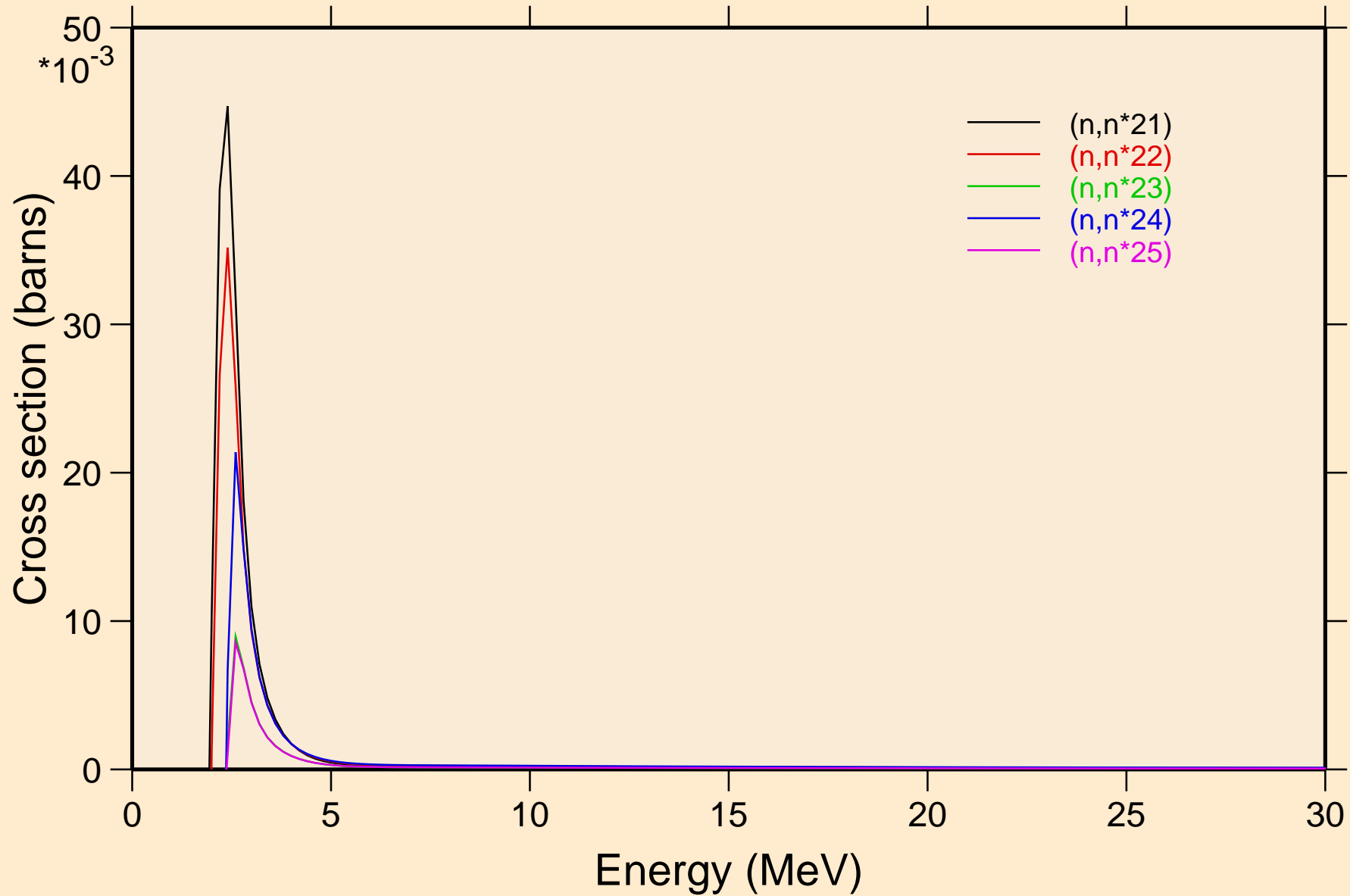
## Inelastic levels



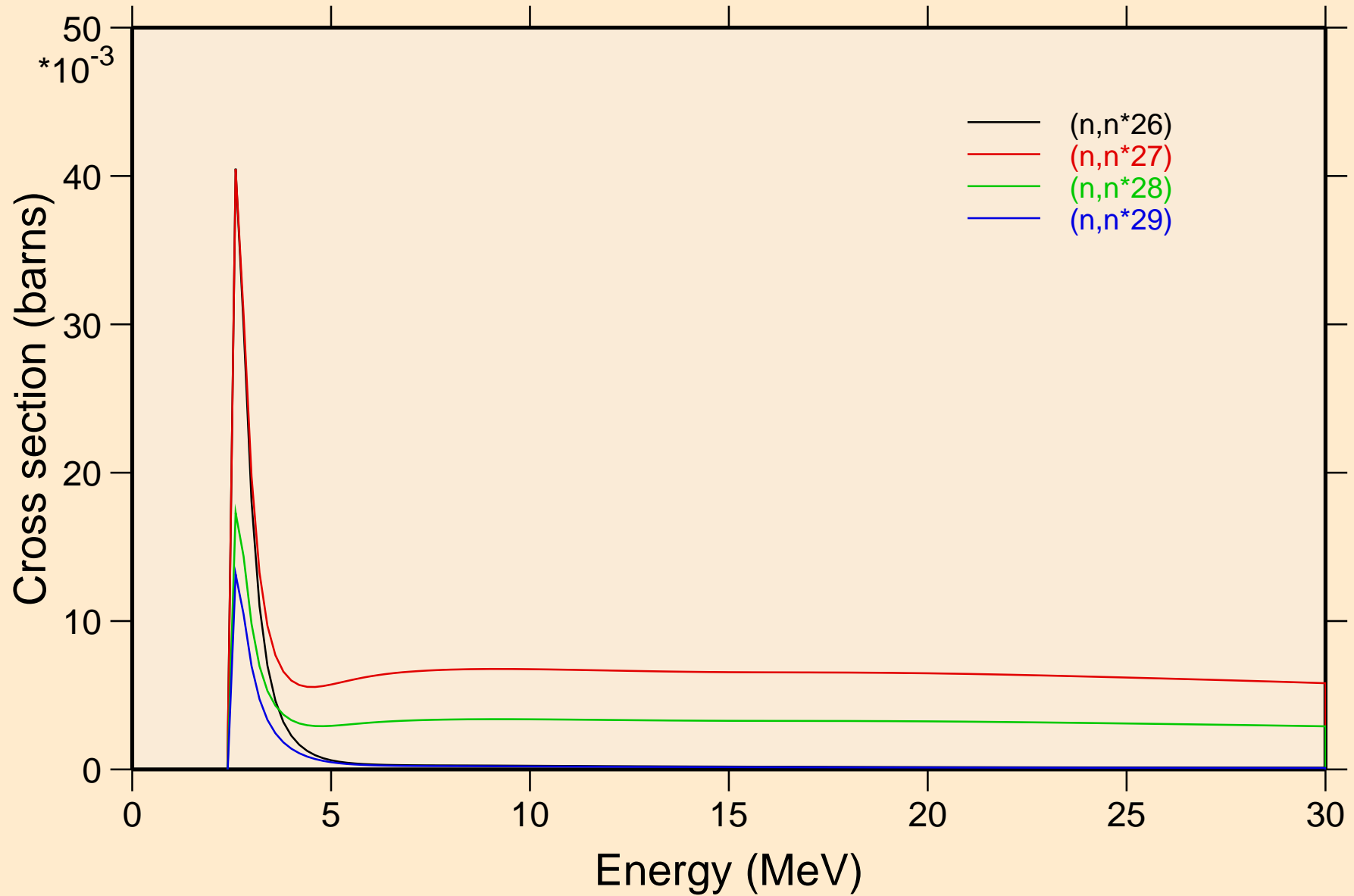
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



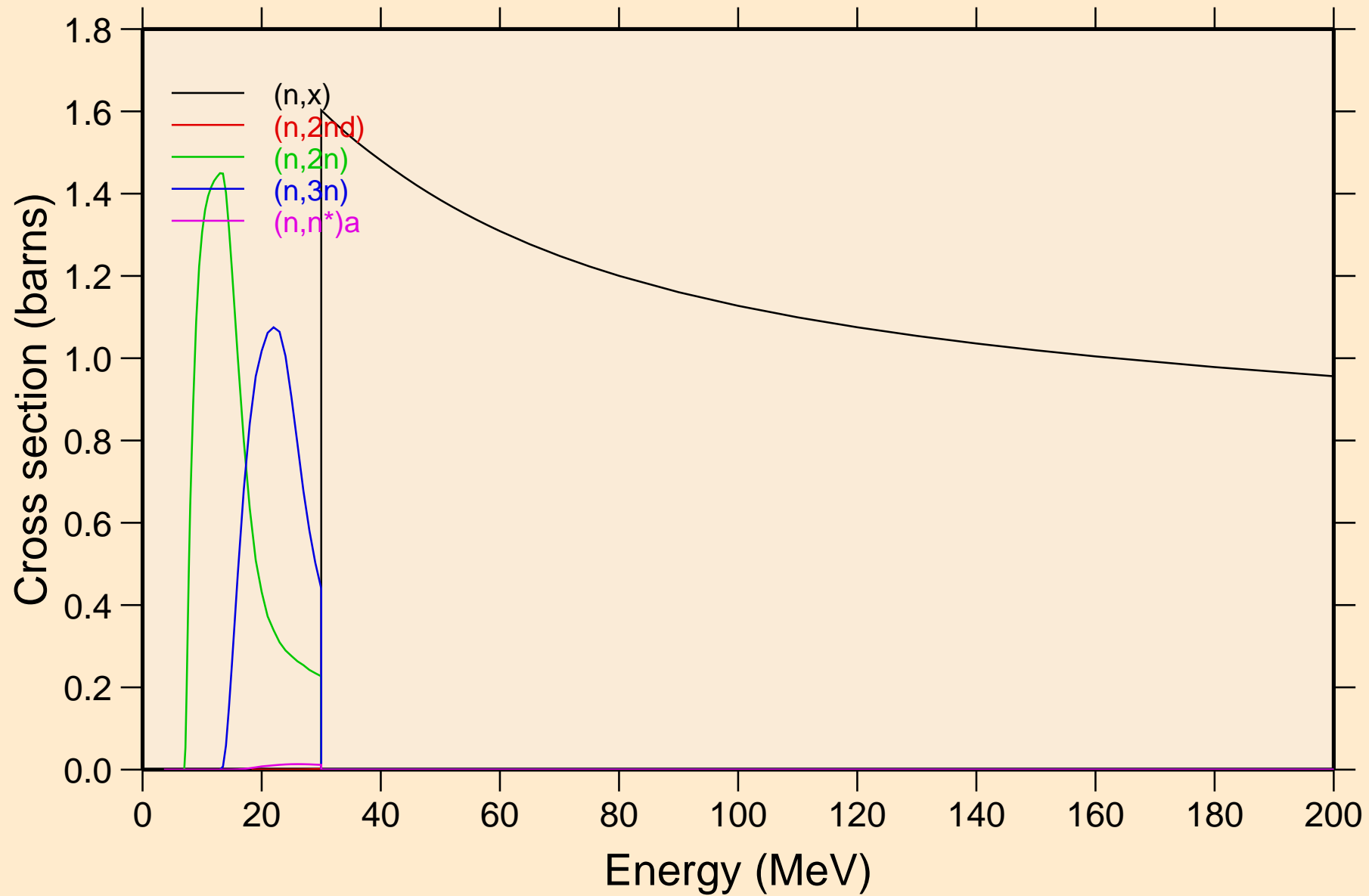
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



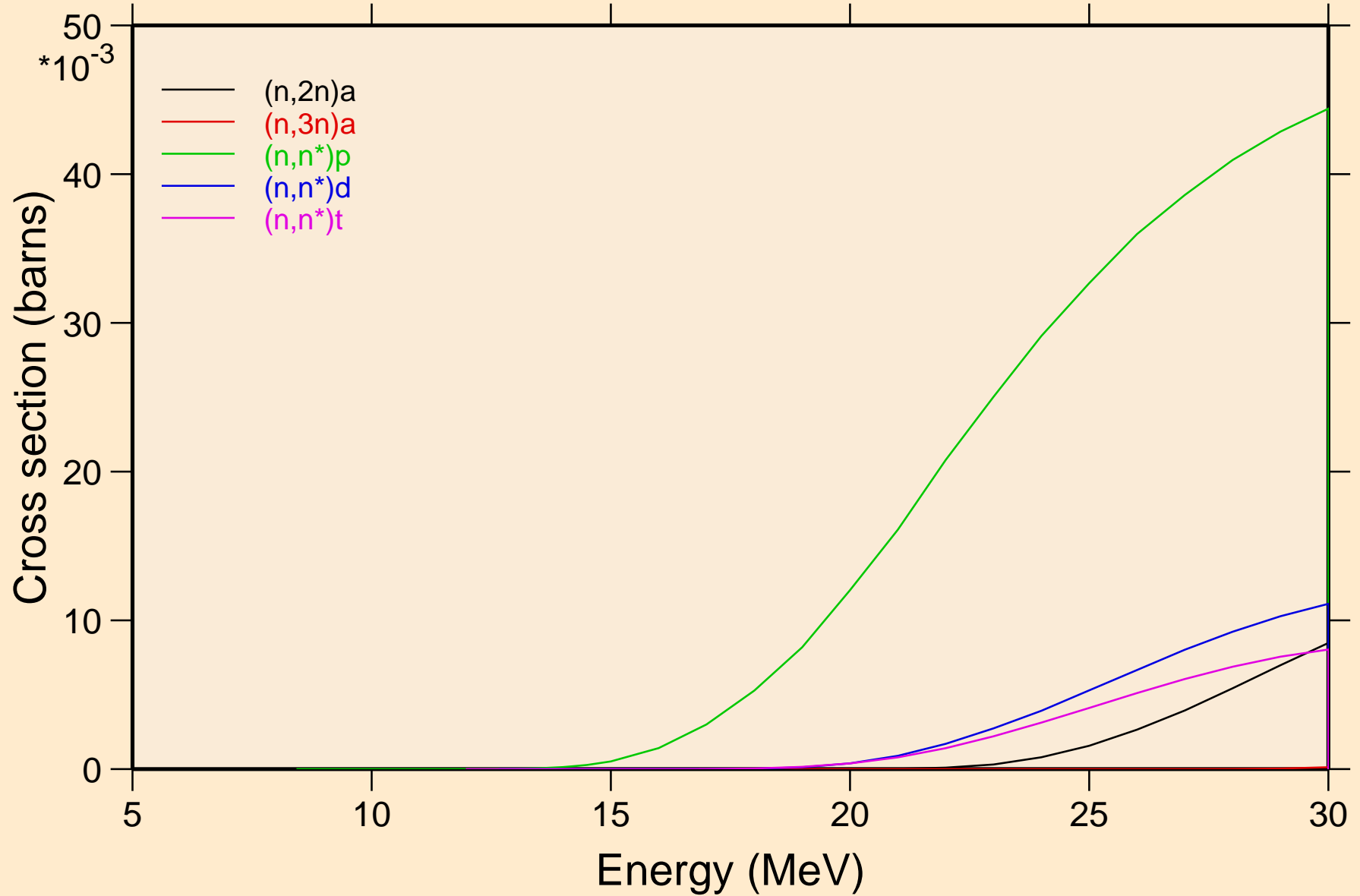
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



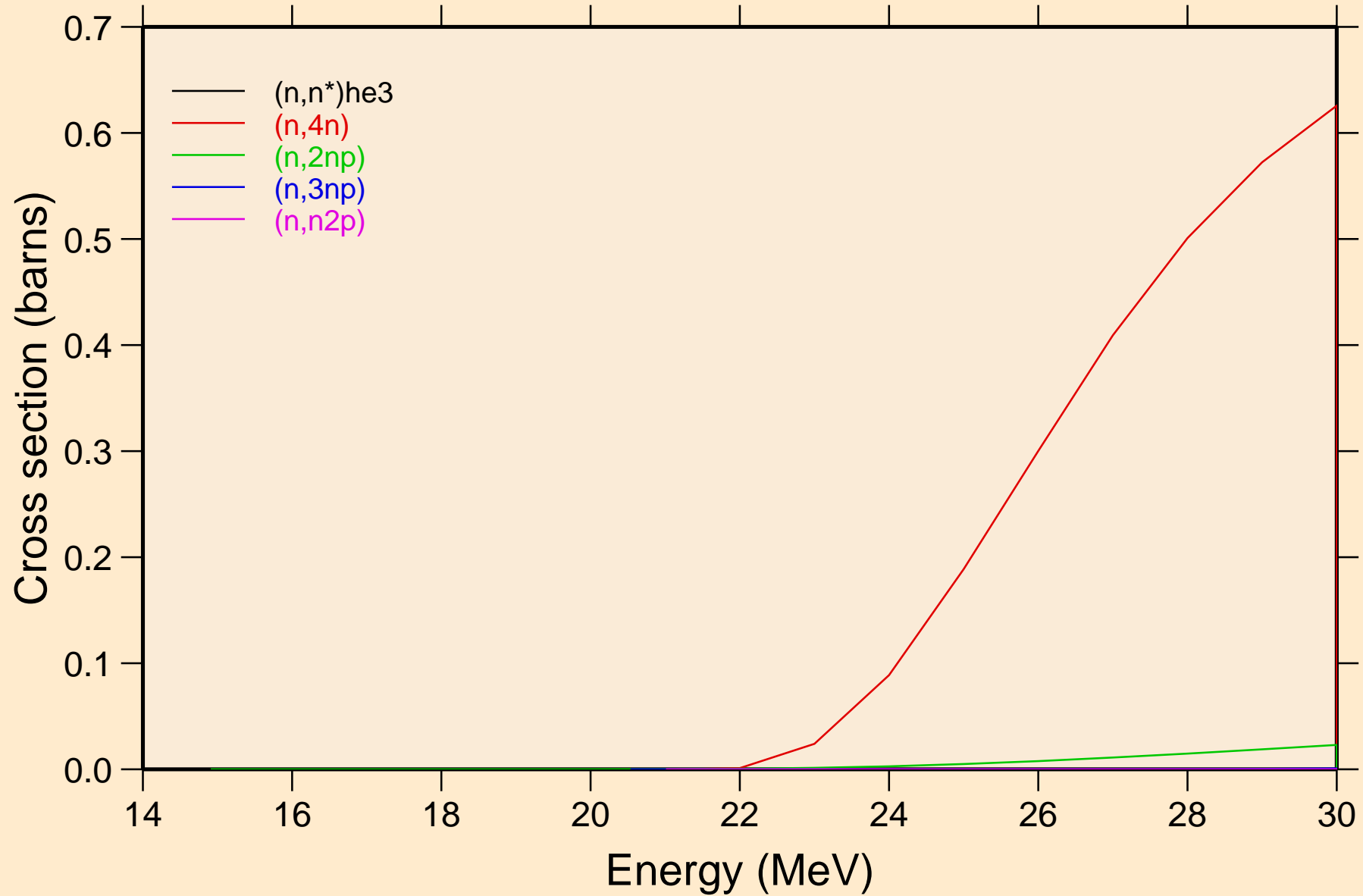
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



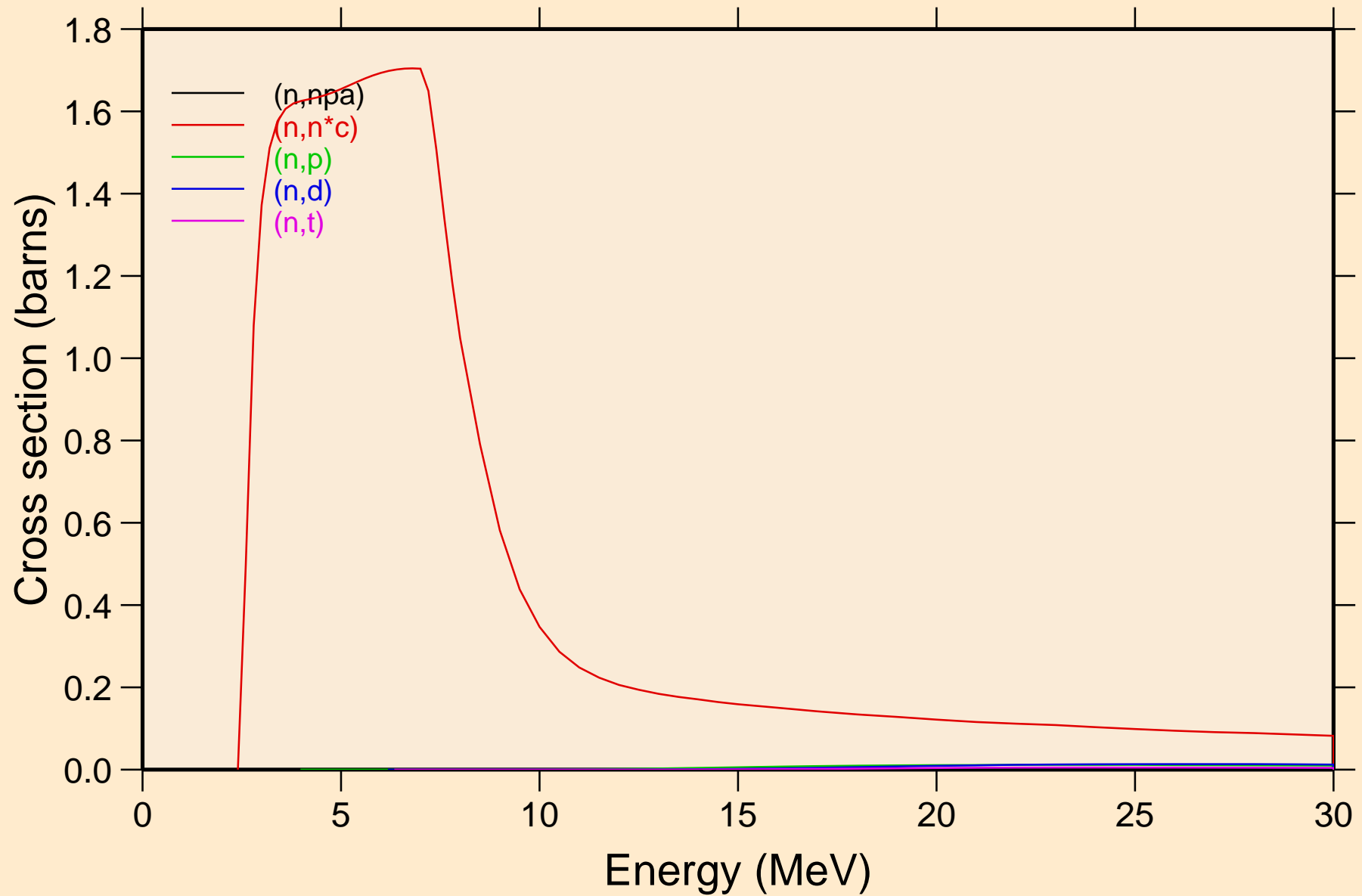
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

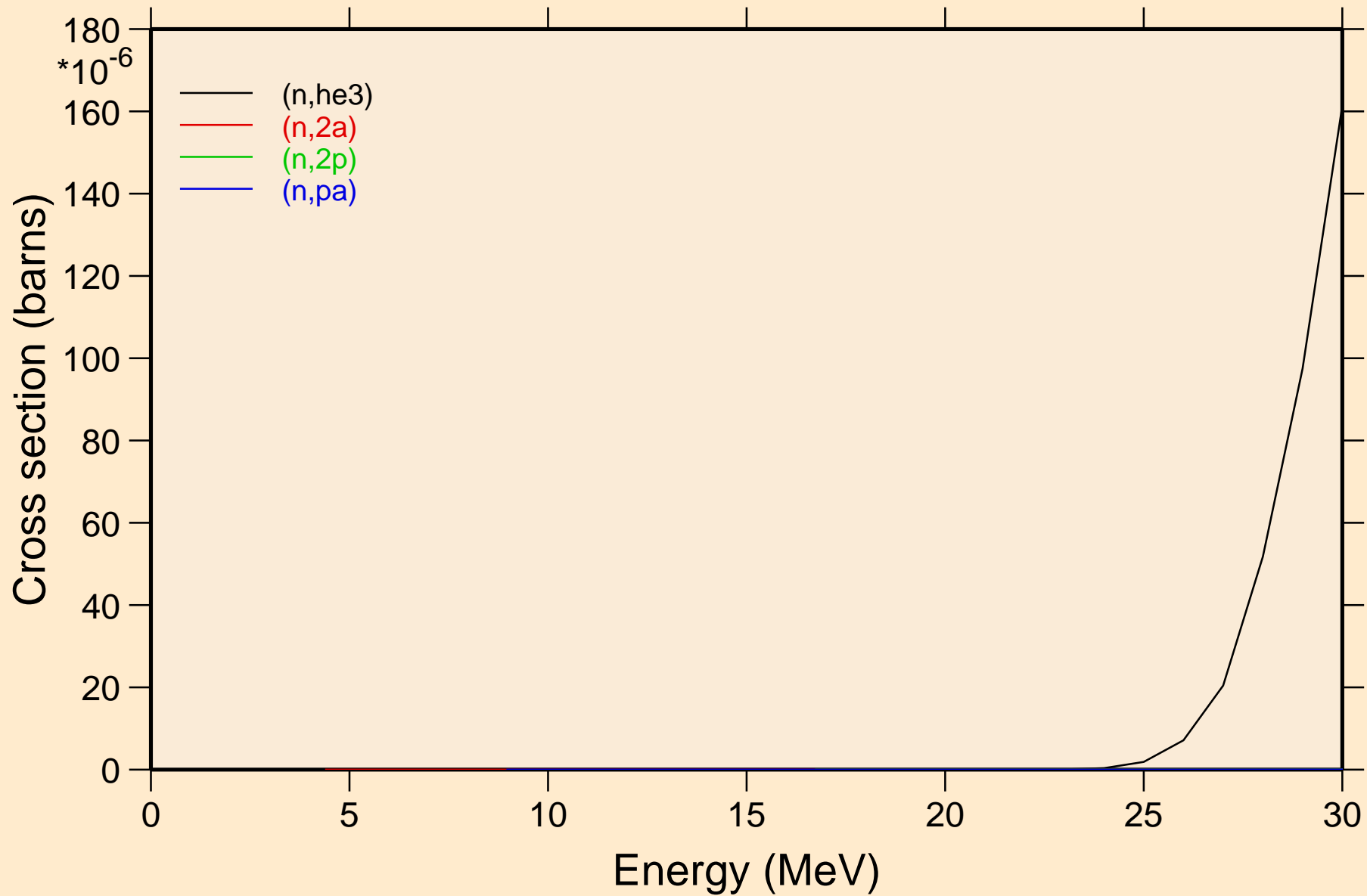


NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

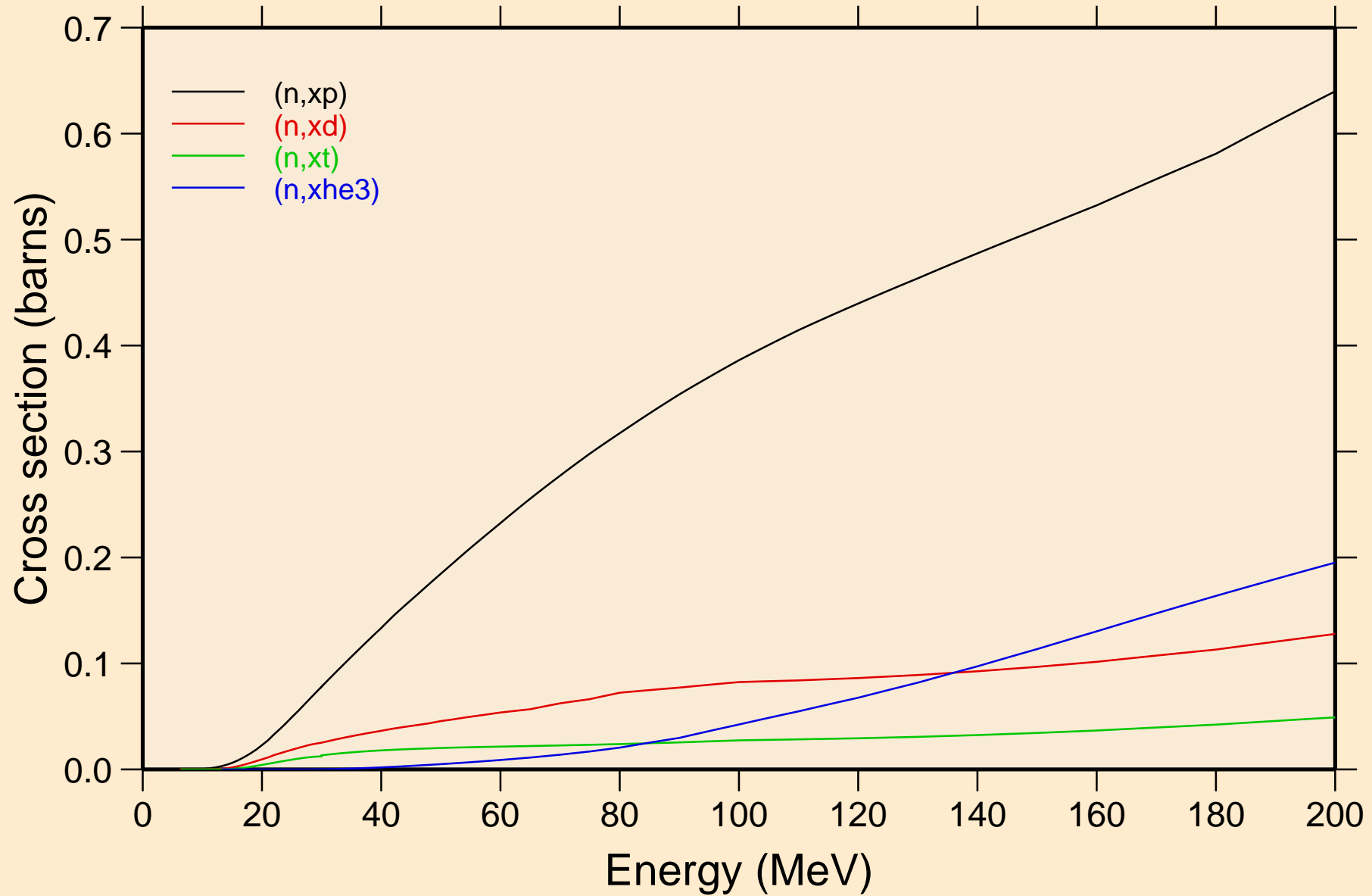




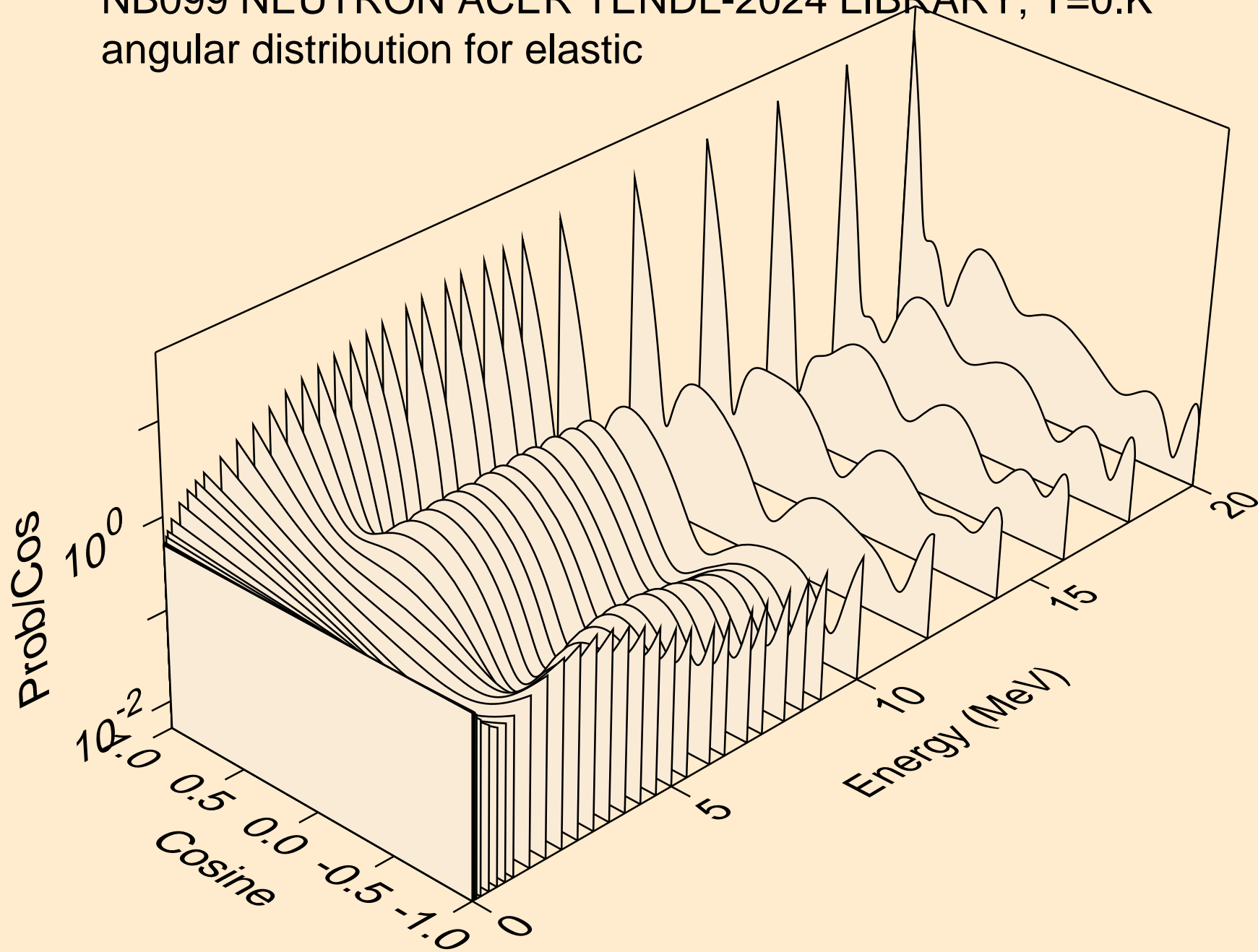
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Threshold reactions



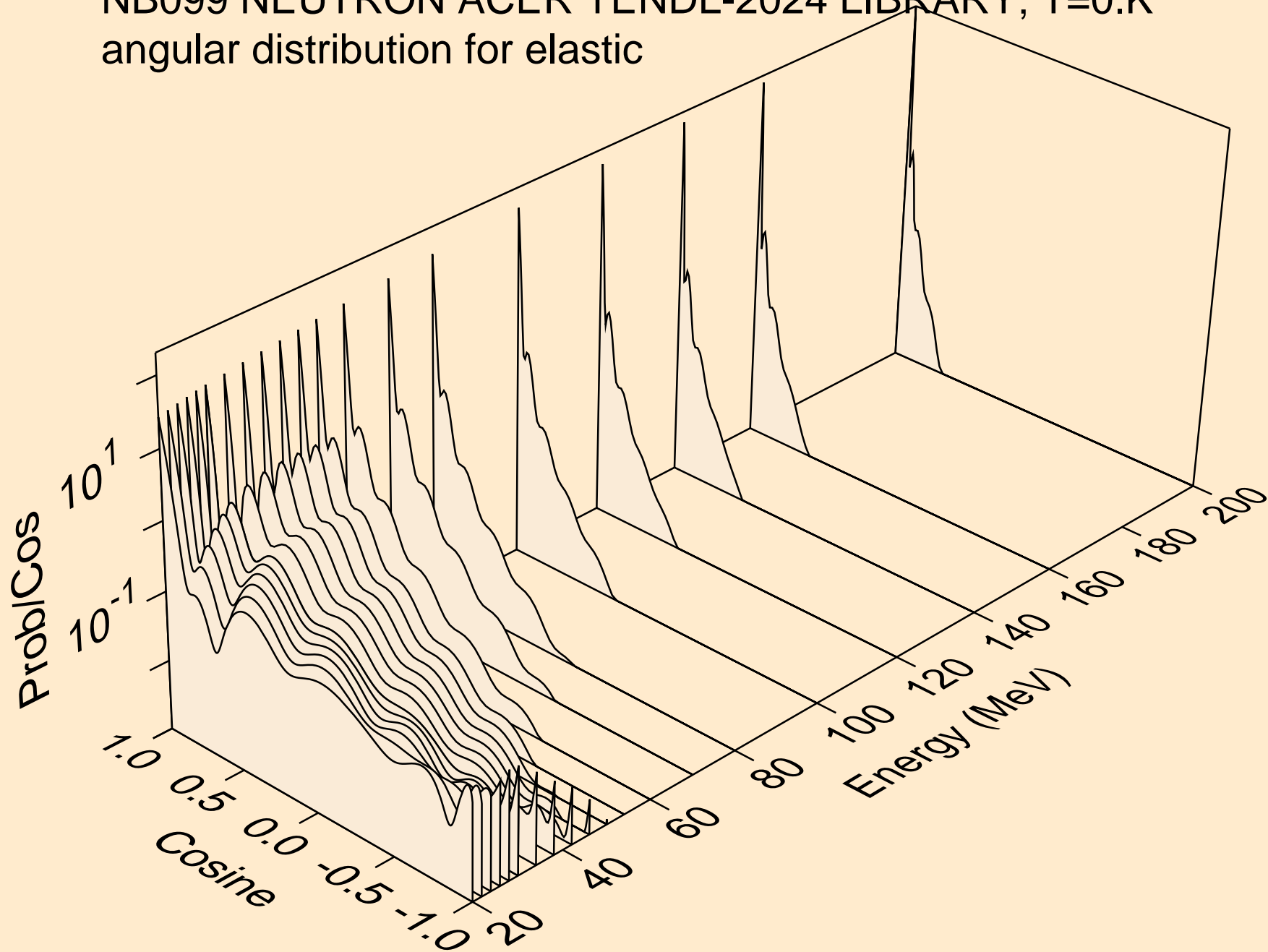
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



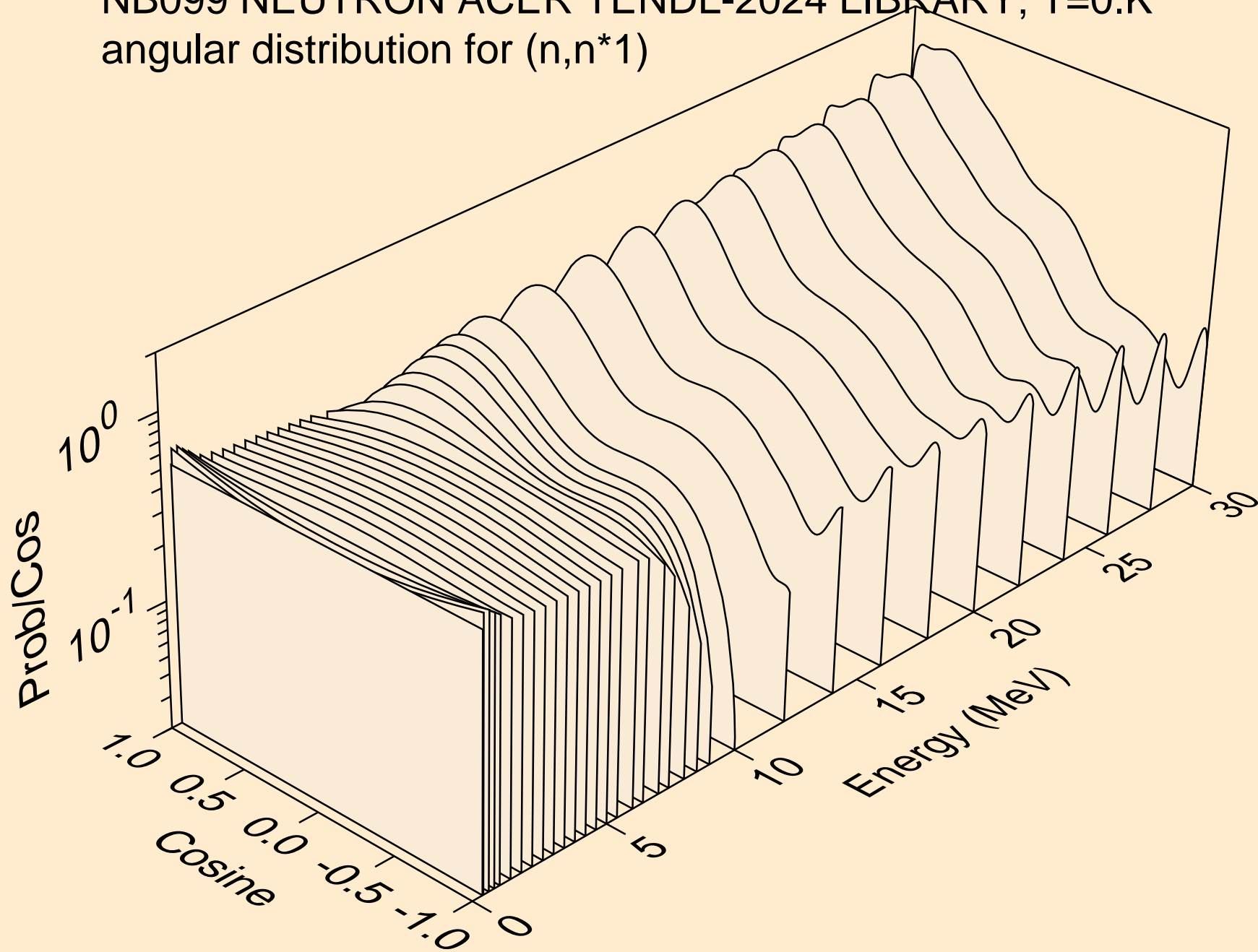
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



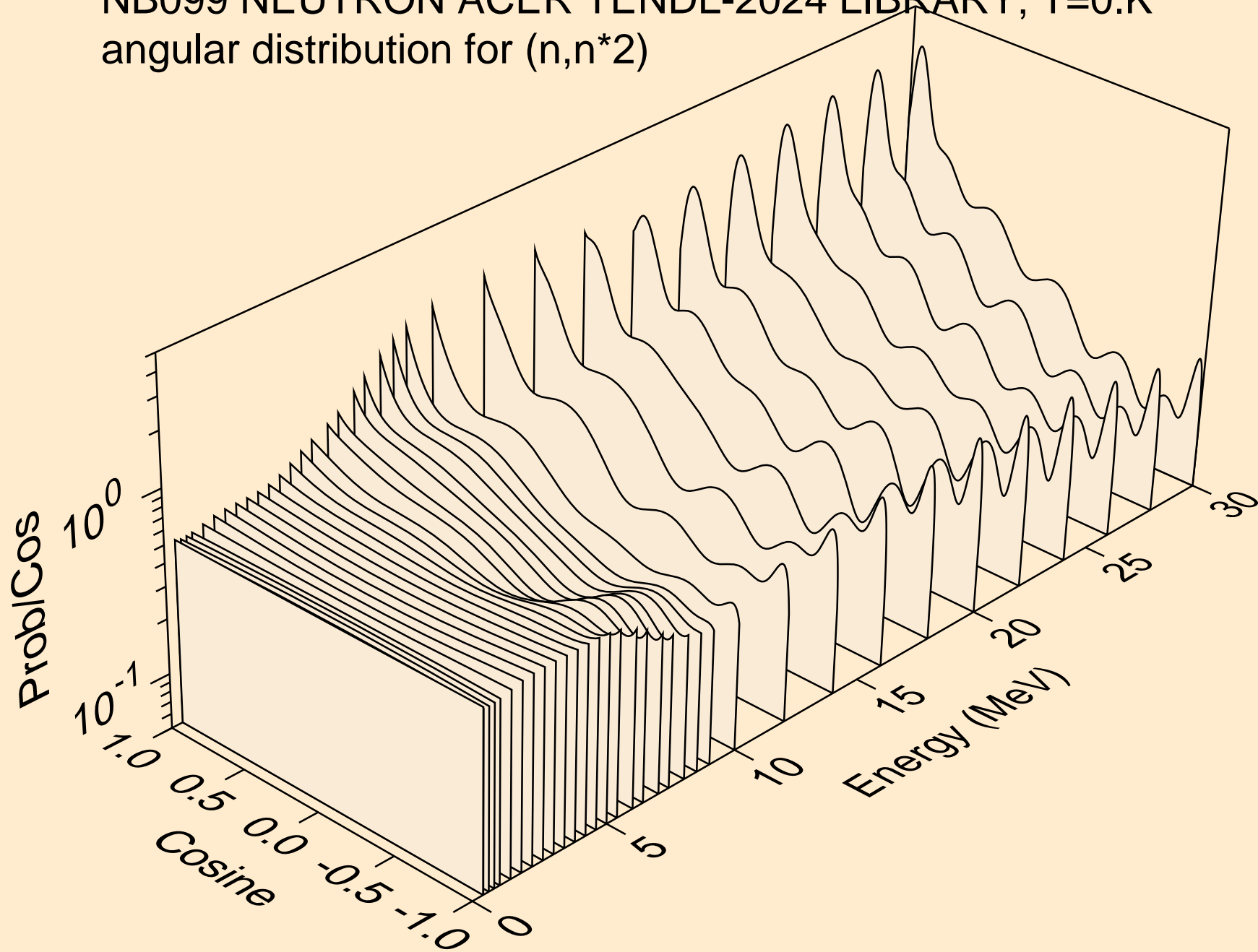
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angular distribution for elastic



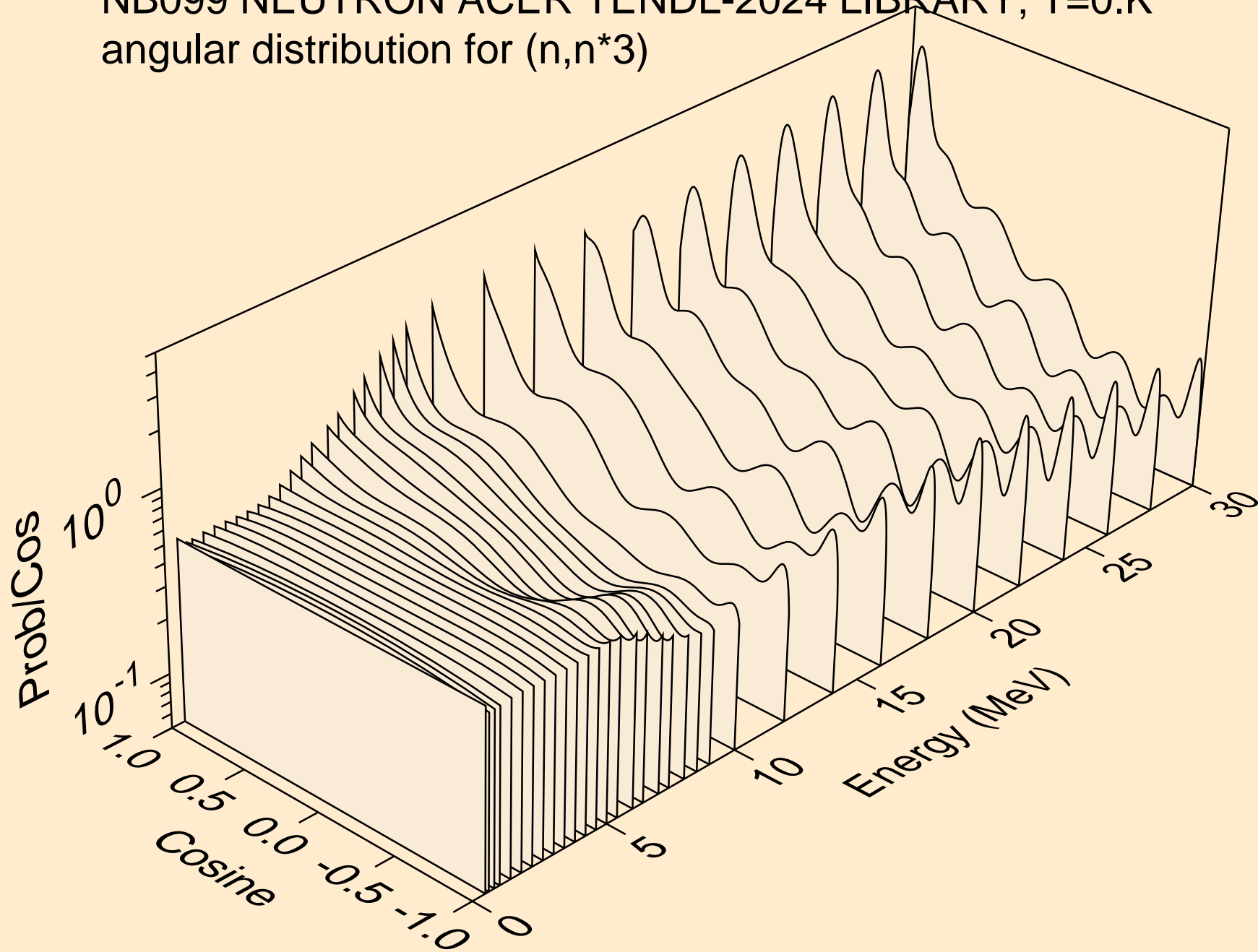
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



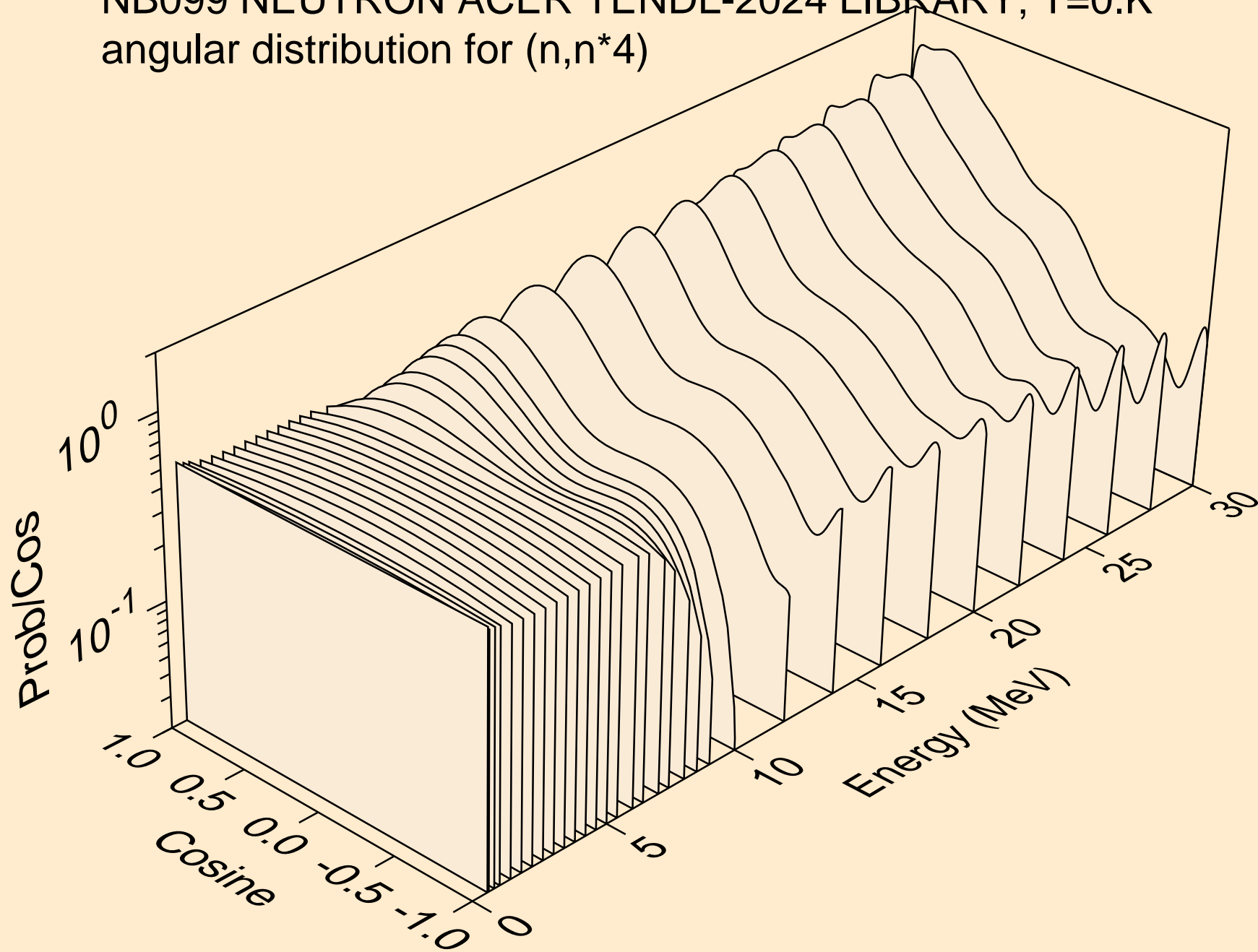
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)

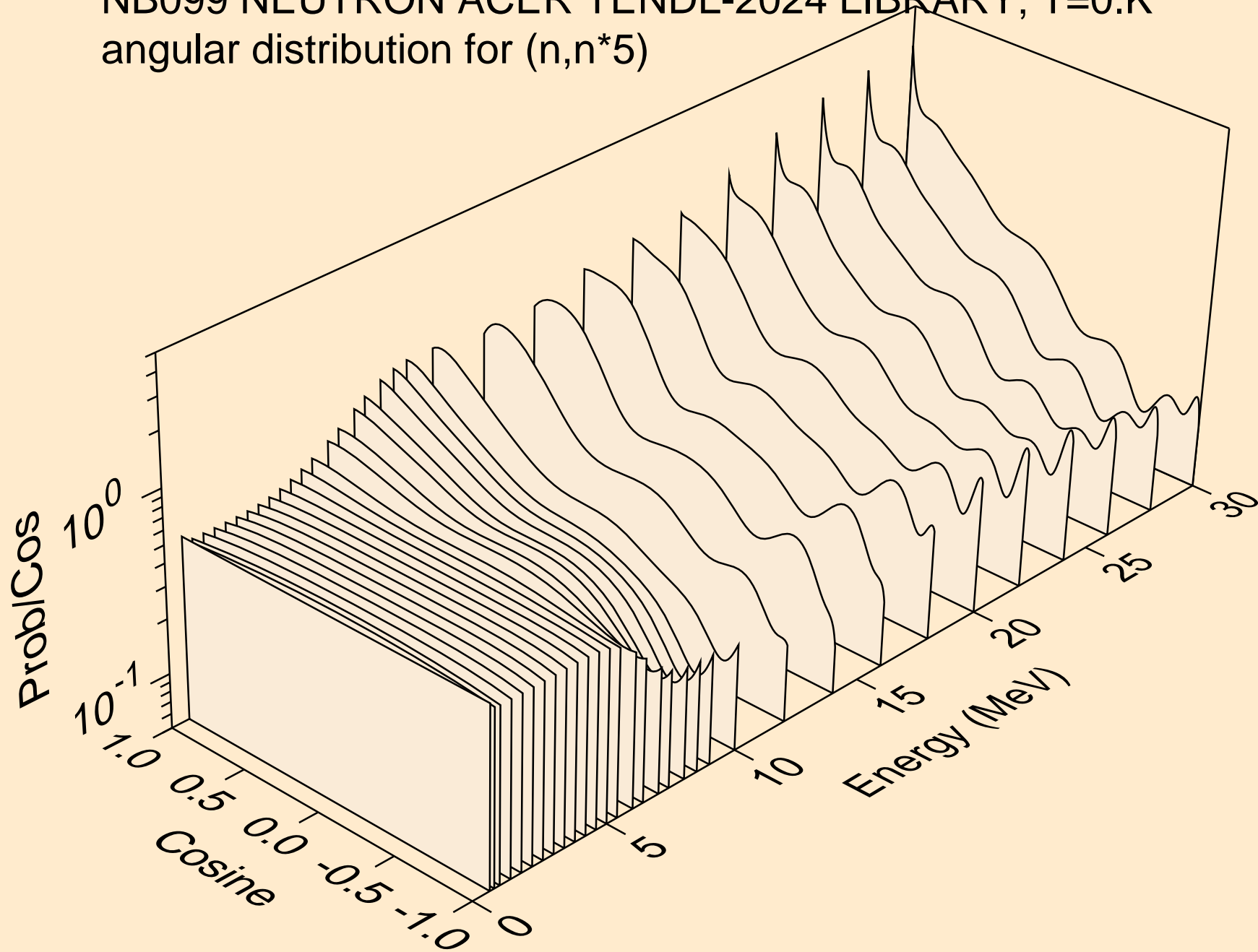


NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)

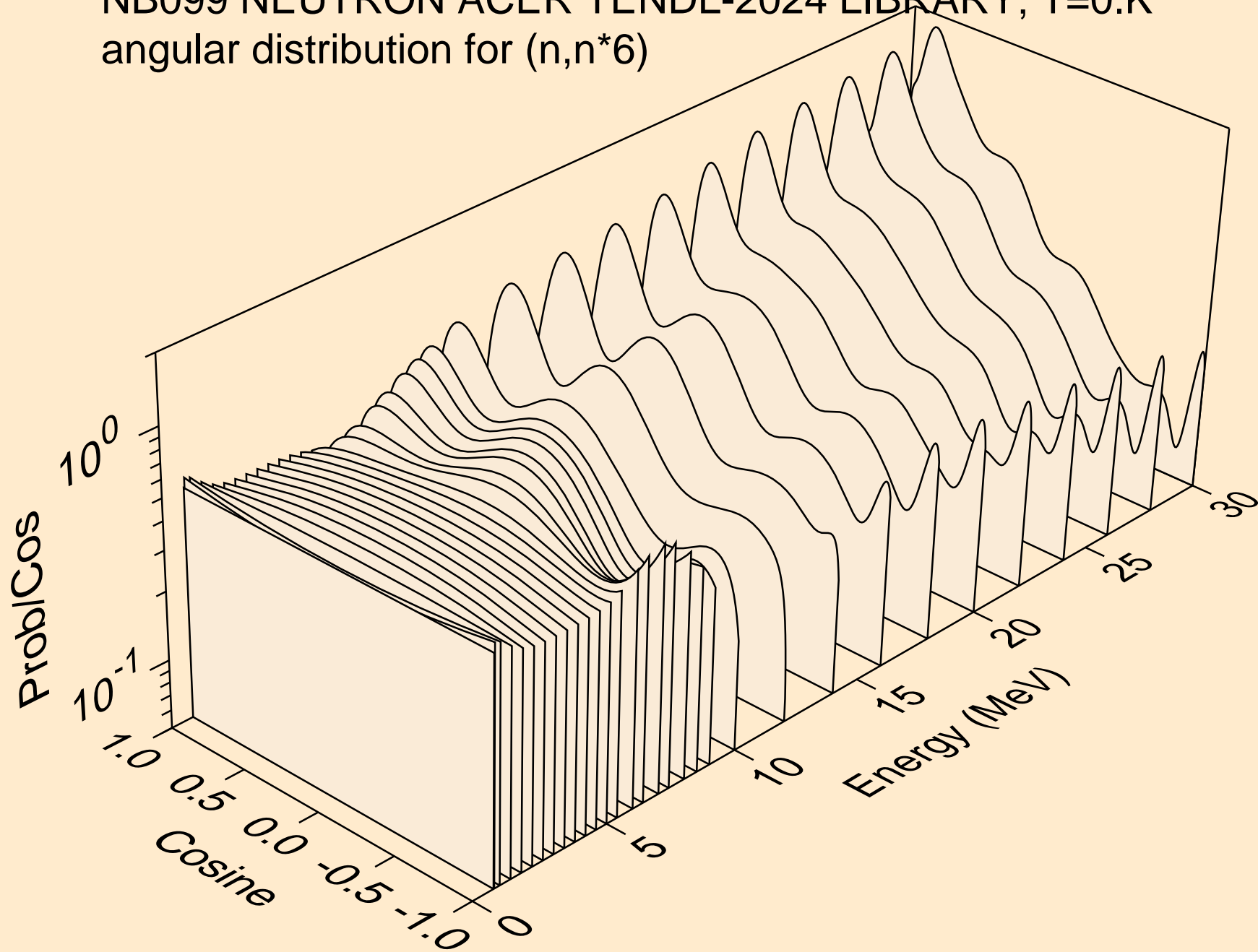




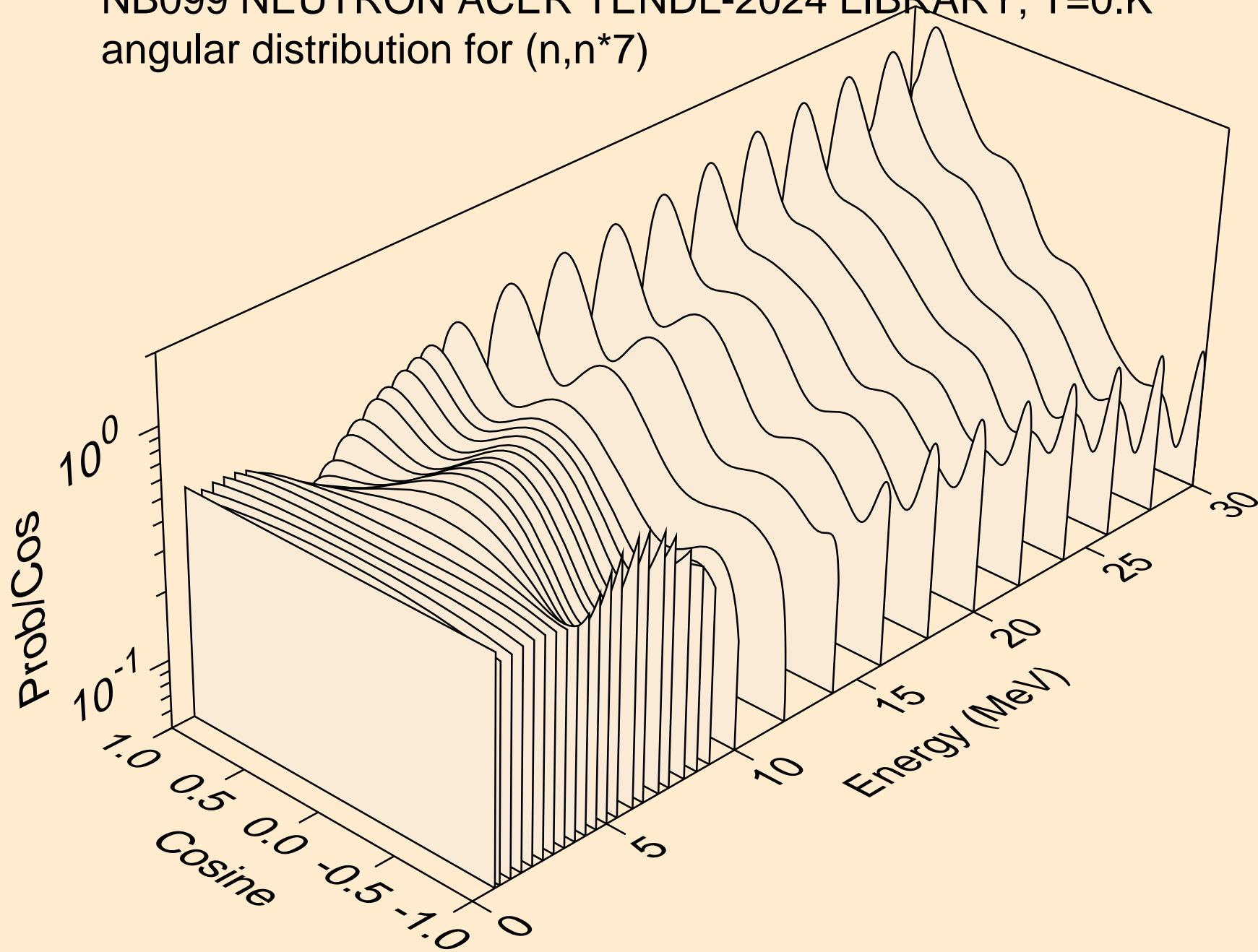
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angular distribution for (n,n\*5)



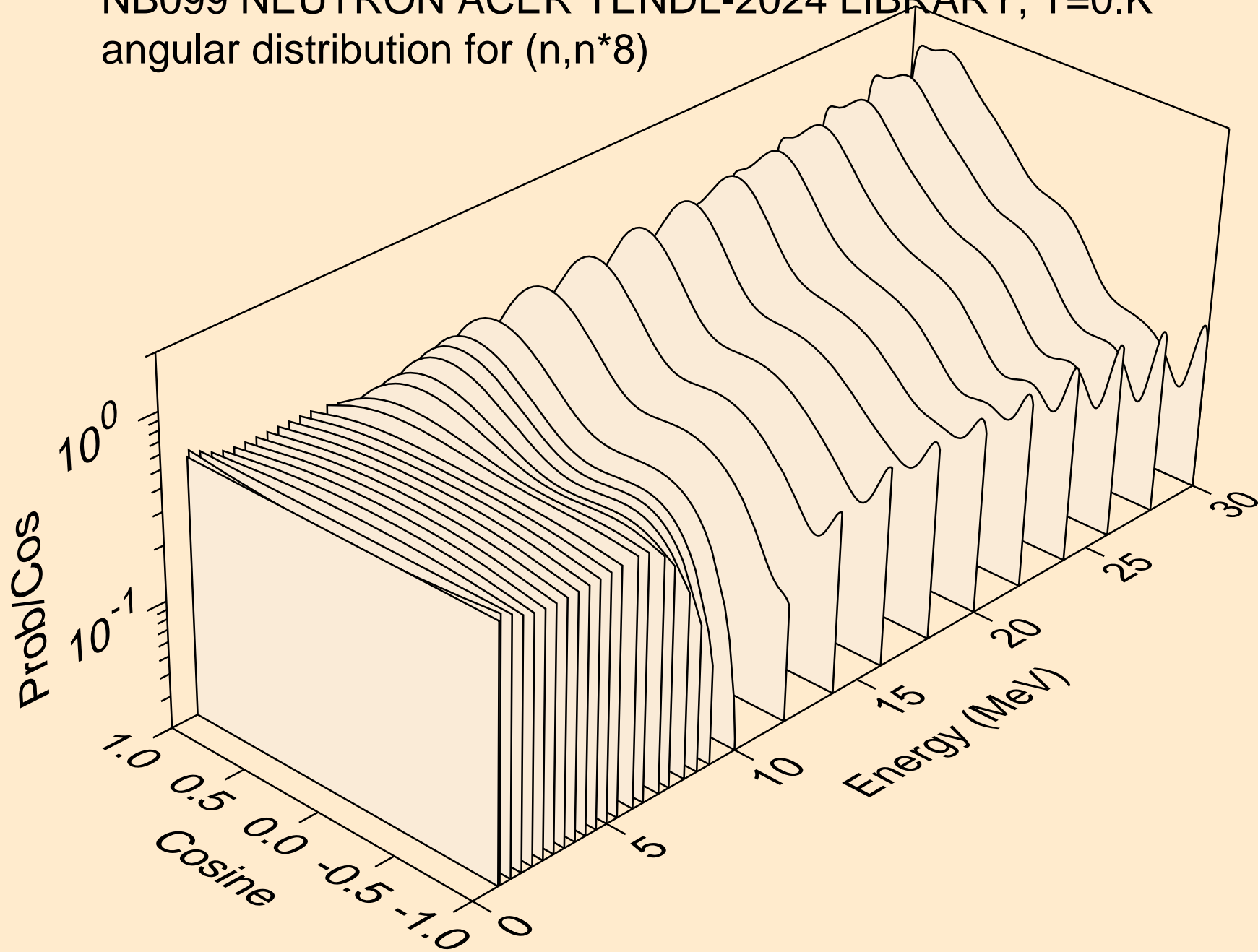
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angular distribution for (n,n\*6)



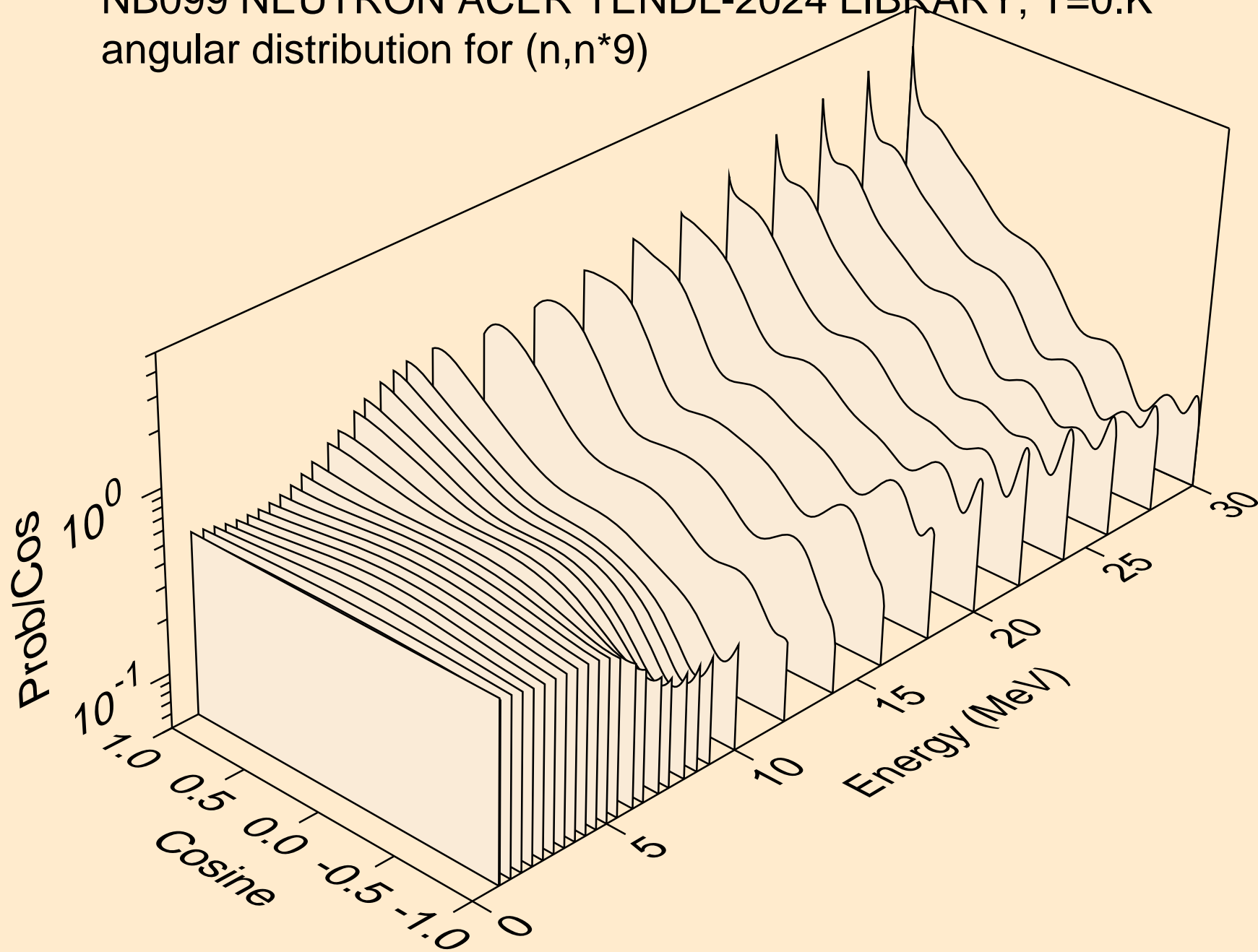
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angular distribution for (n,n\*7)



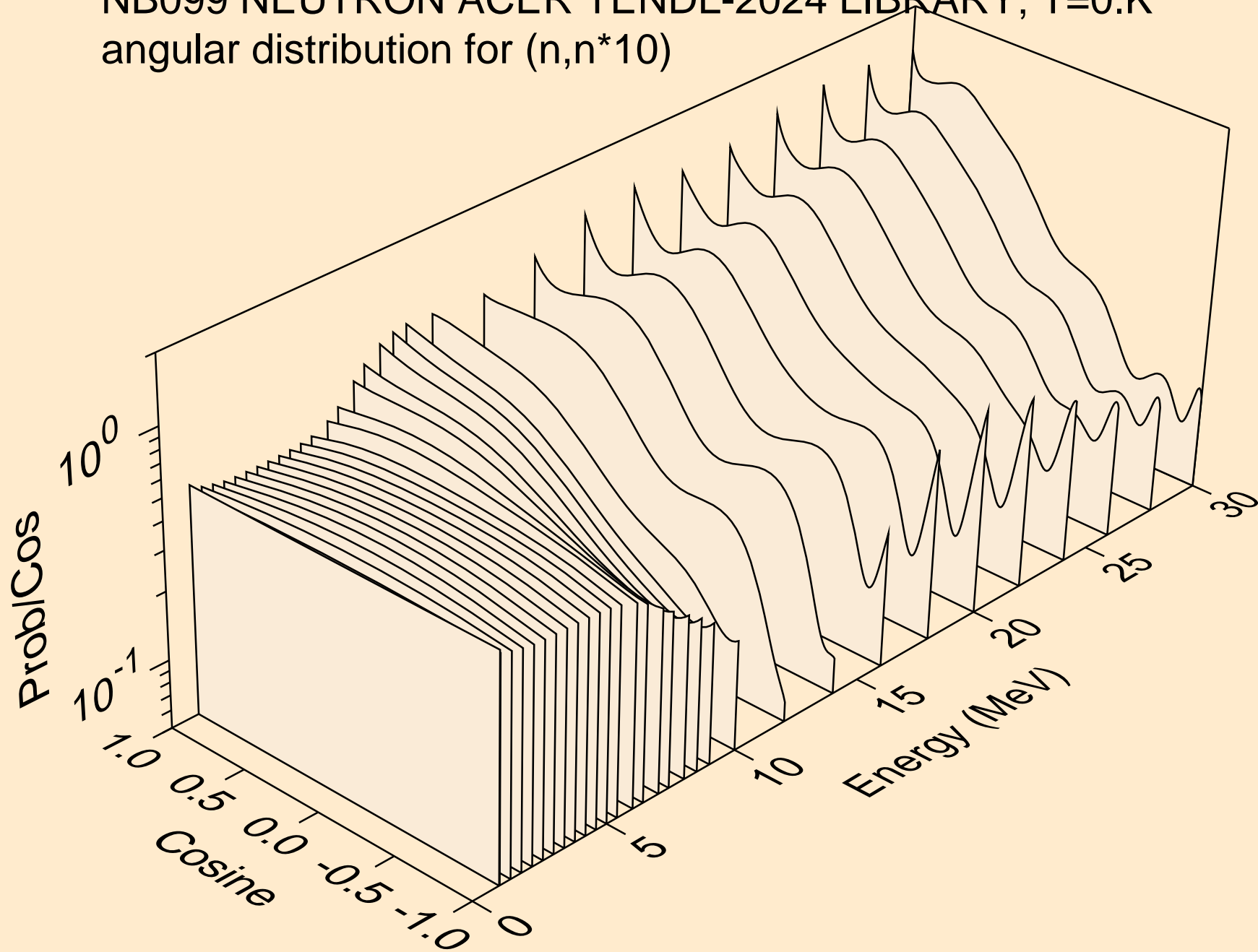
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angular distribution for (n,n\*8)



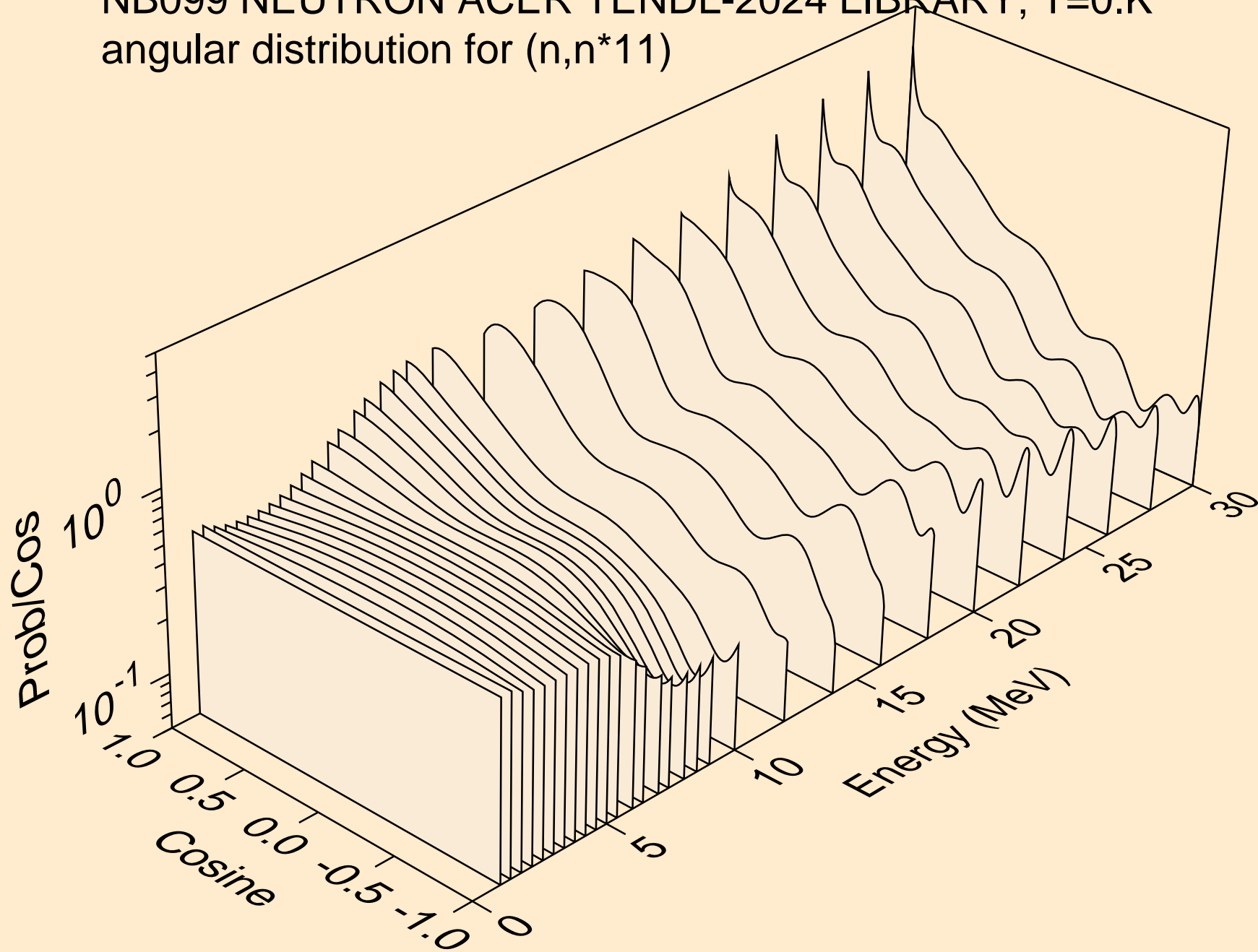
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angular distribution for (n,n\*9)



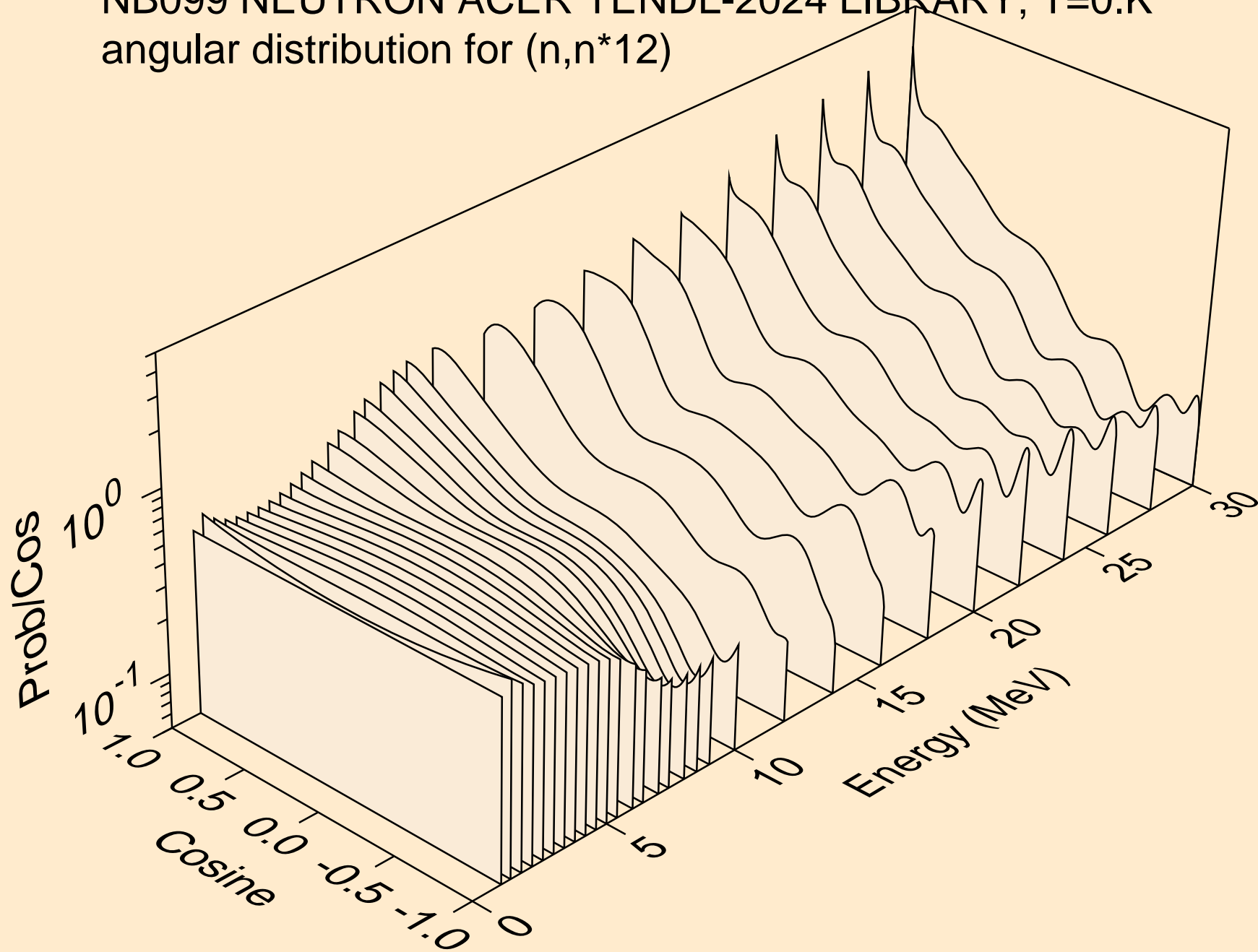
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)

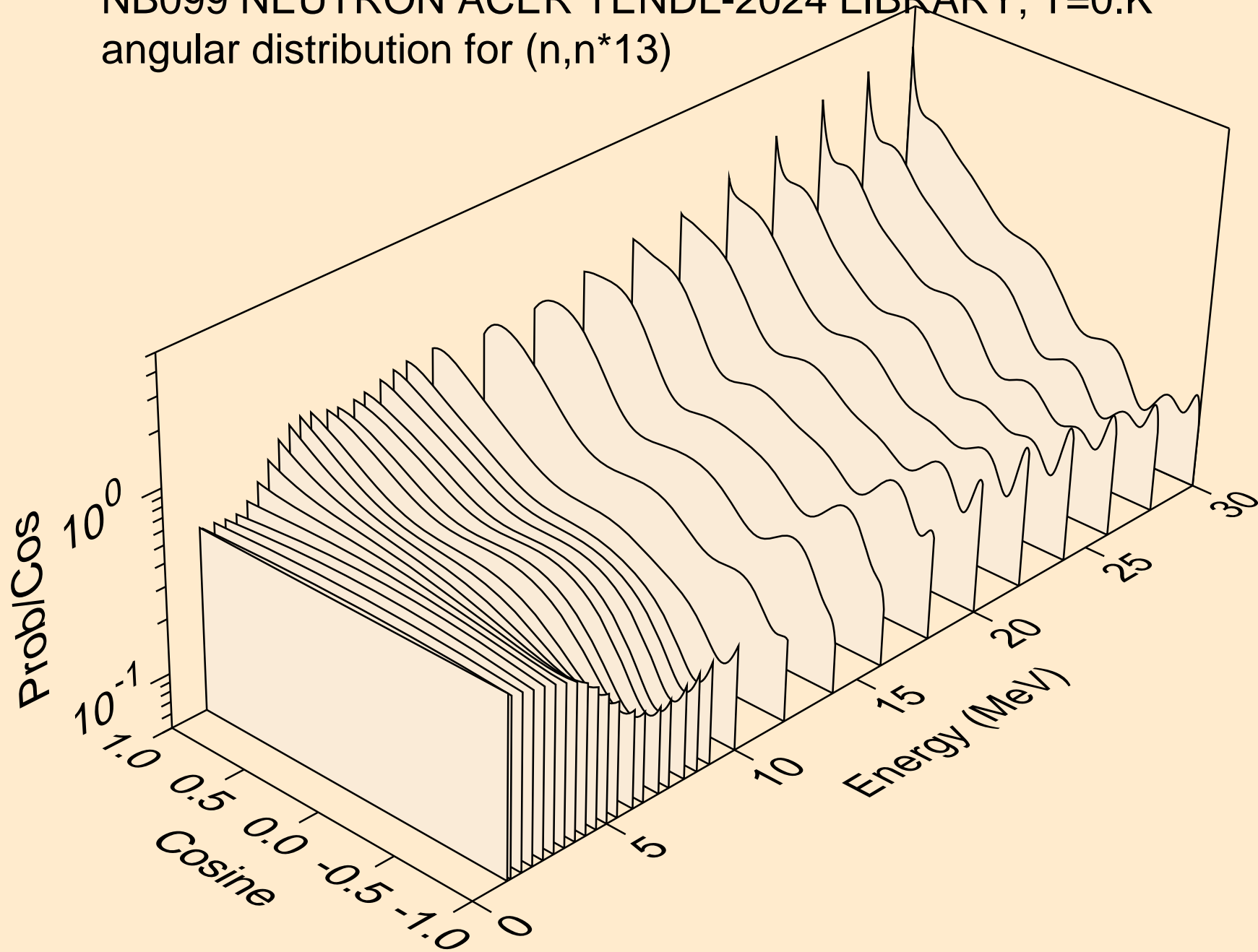


NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)

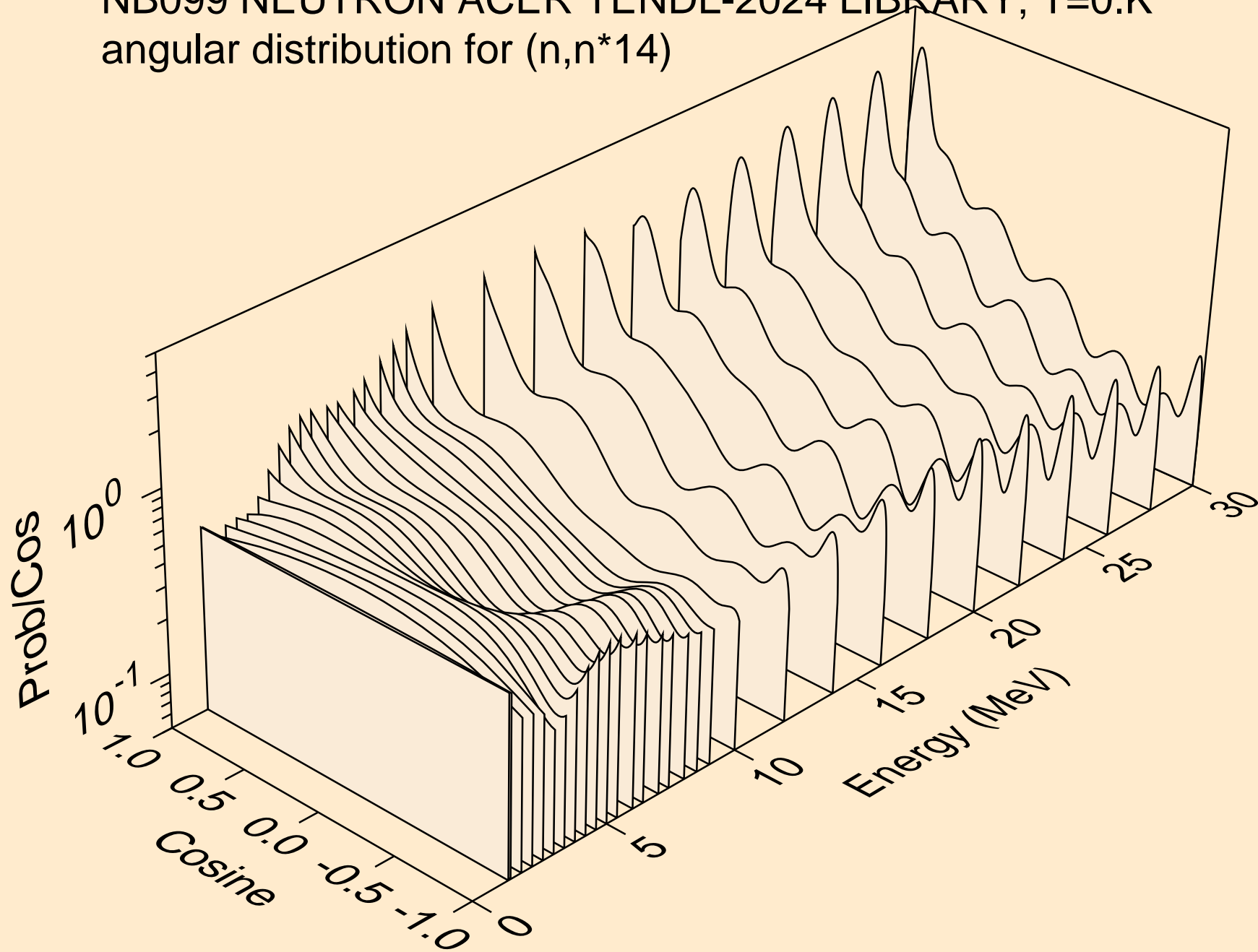




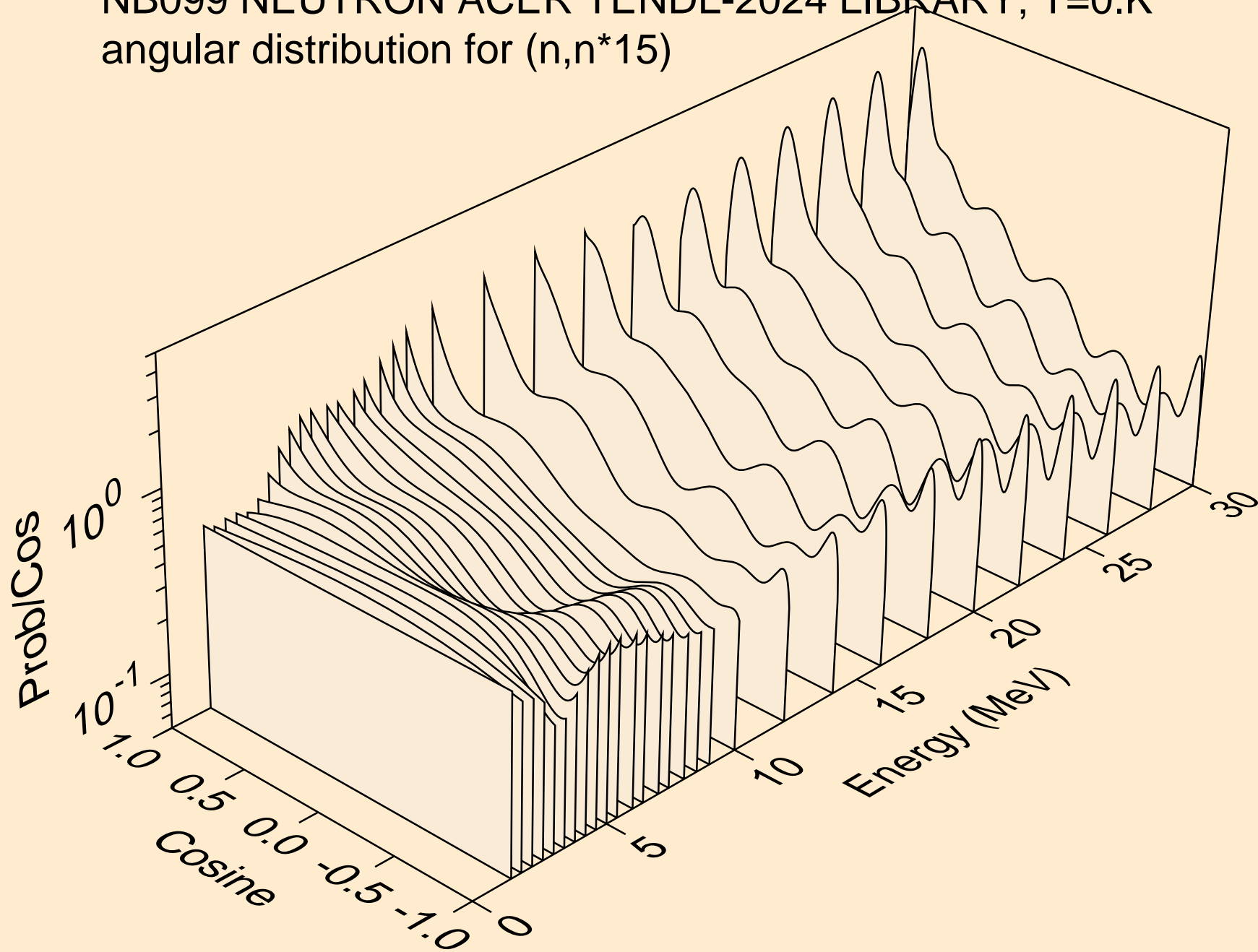
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angular distribution for (n,n\*13)



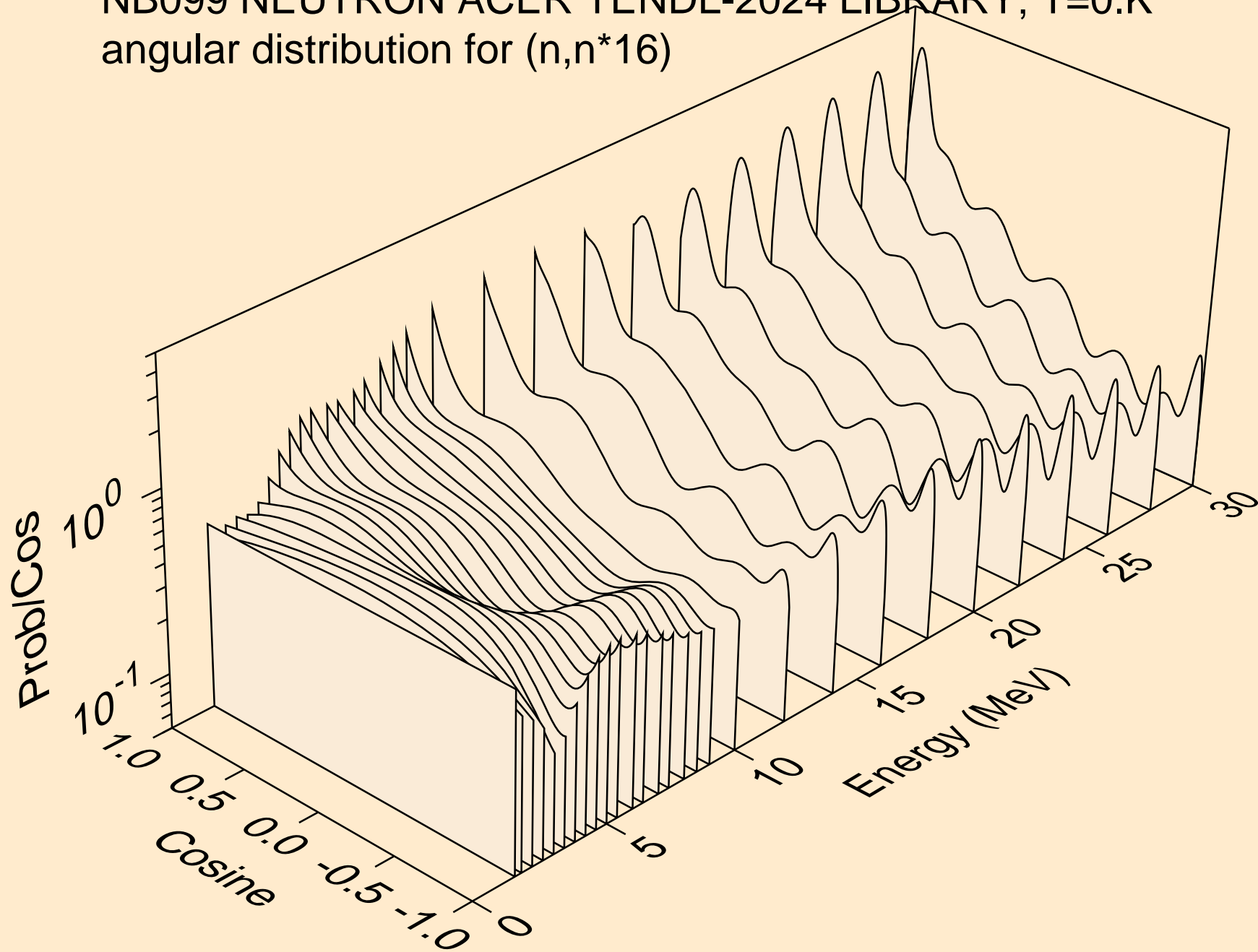
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angular distribution for (n,n\*14)



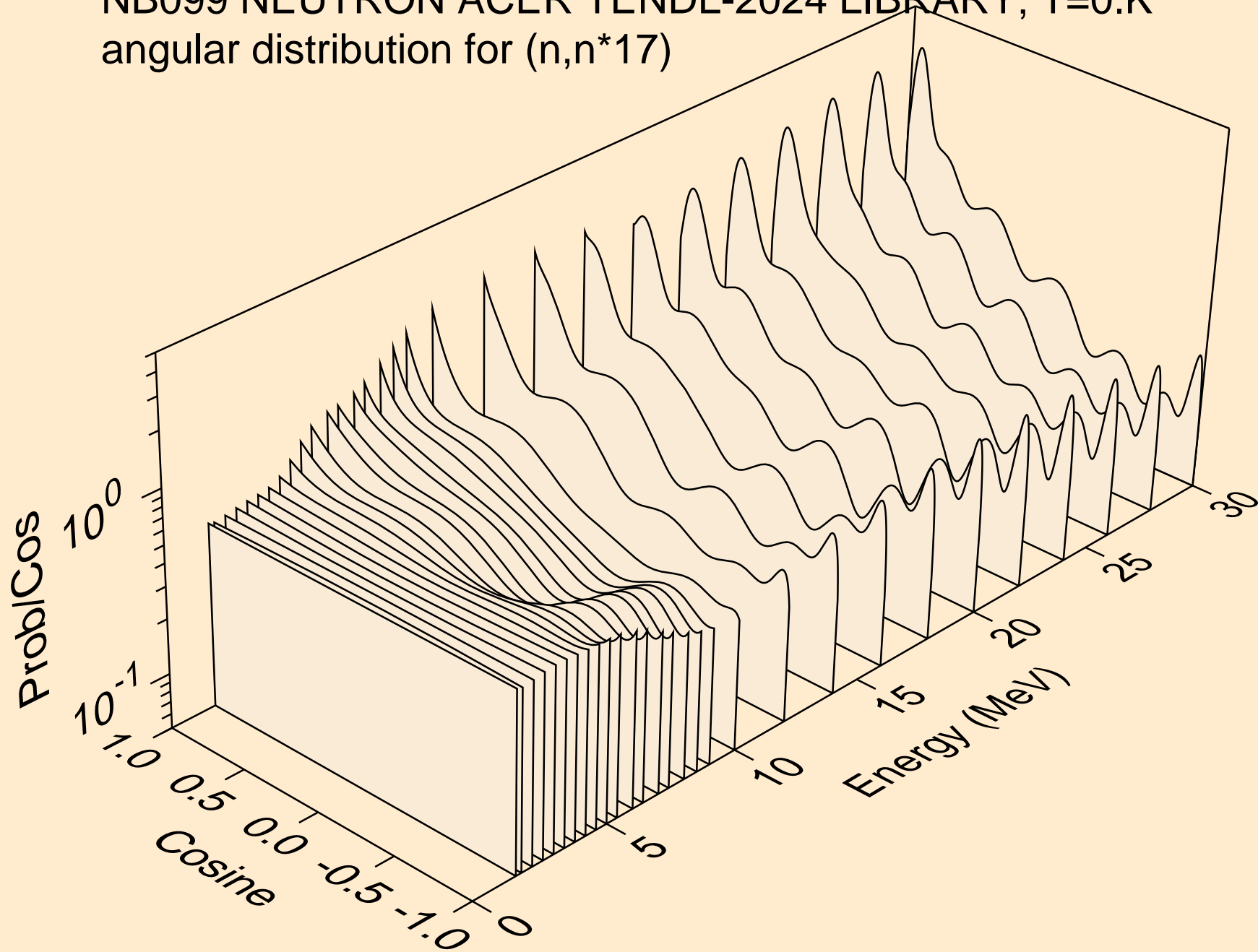
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angular distribution for (n,n\*15)



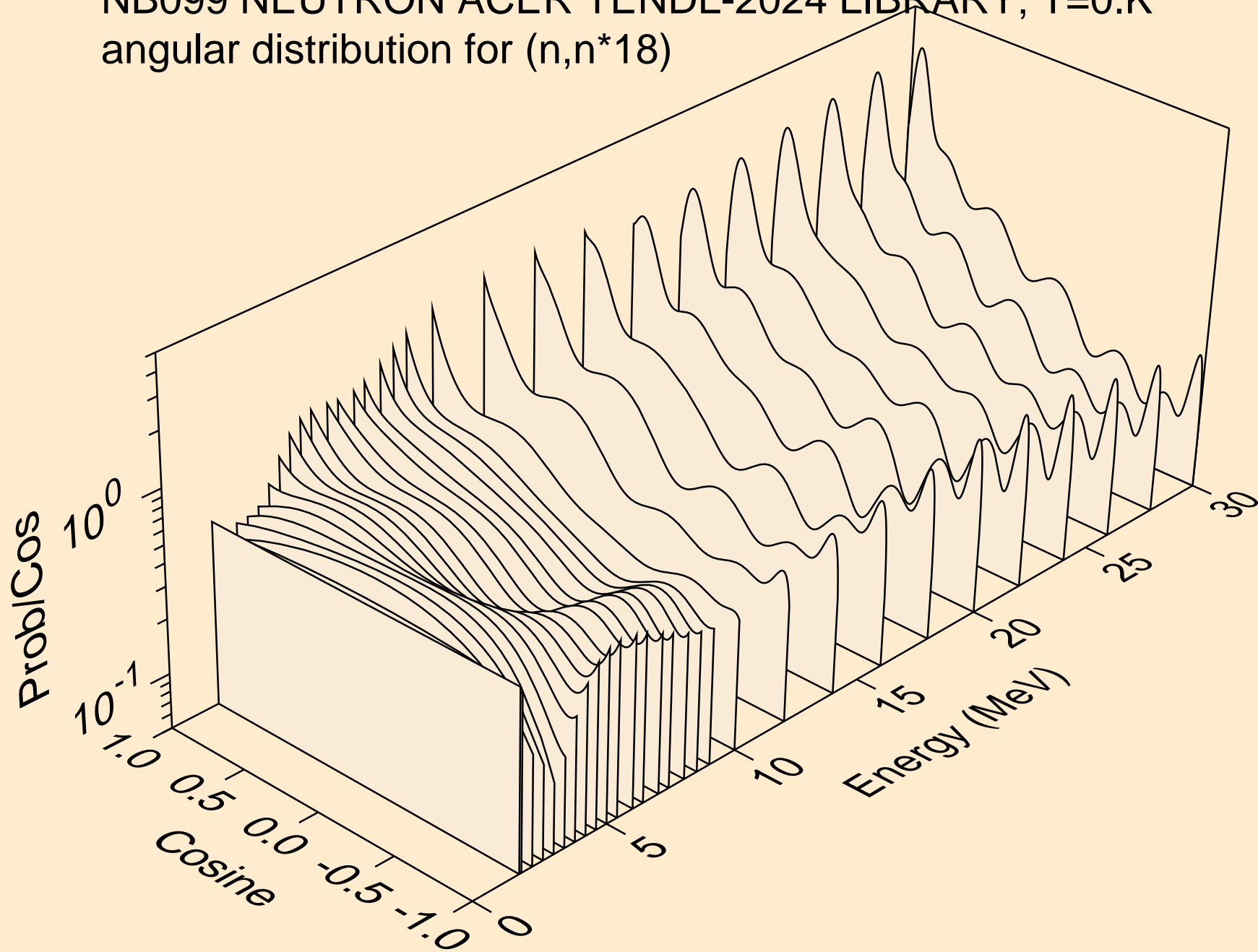
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angular distribution for (n,n\*16)



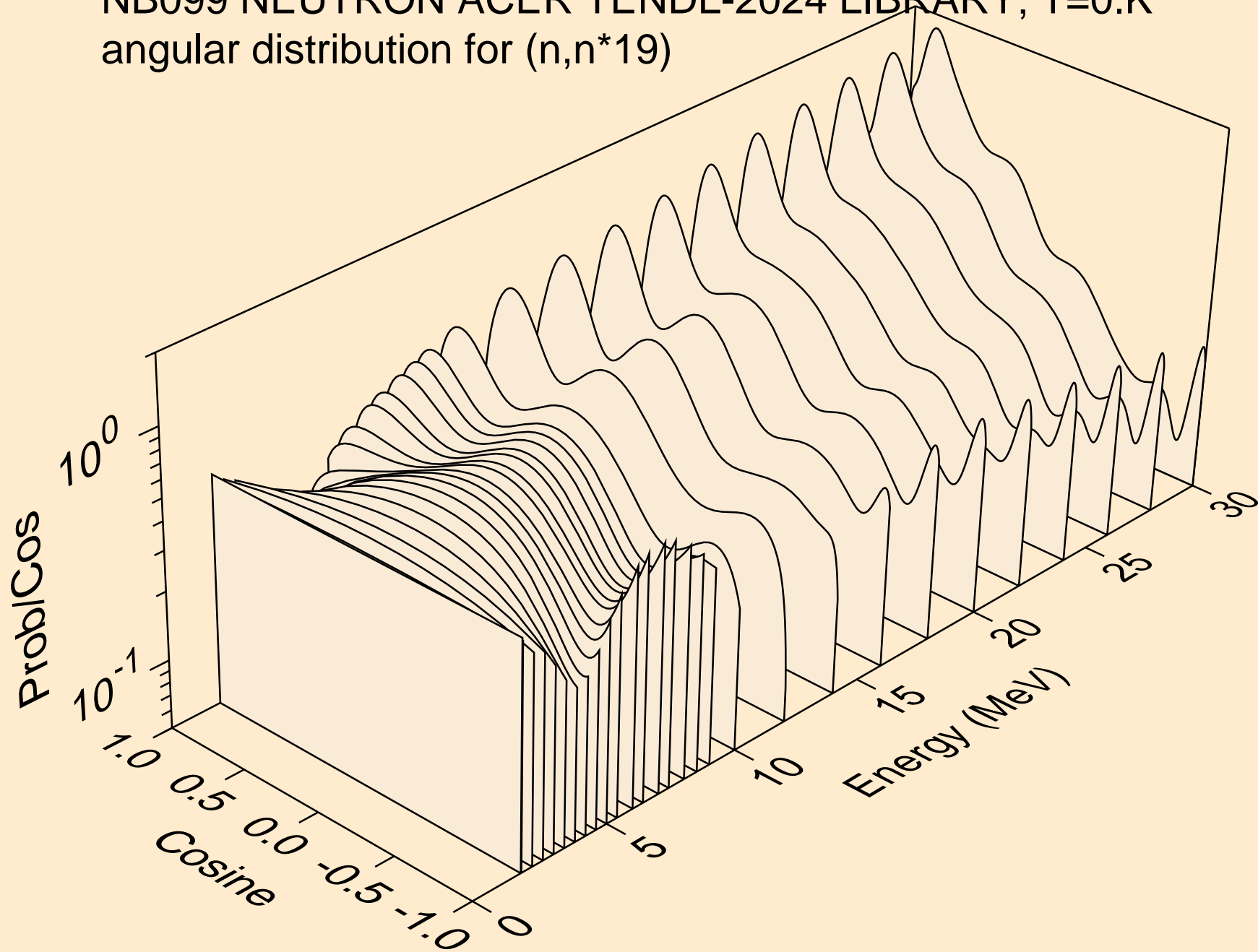
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angular distribution for (n,n\*17)



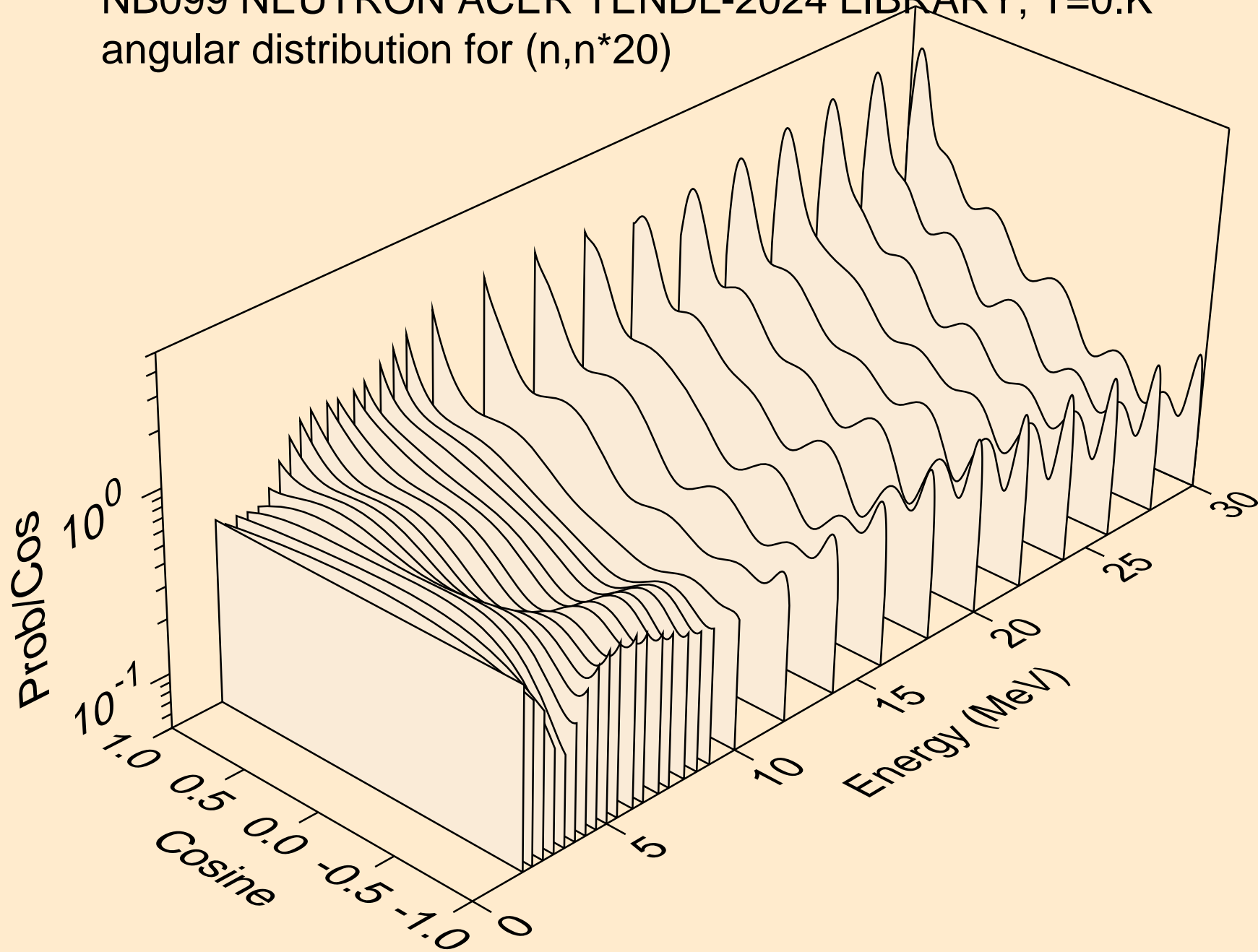
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*19)

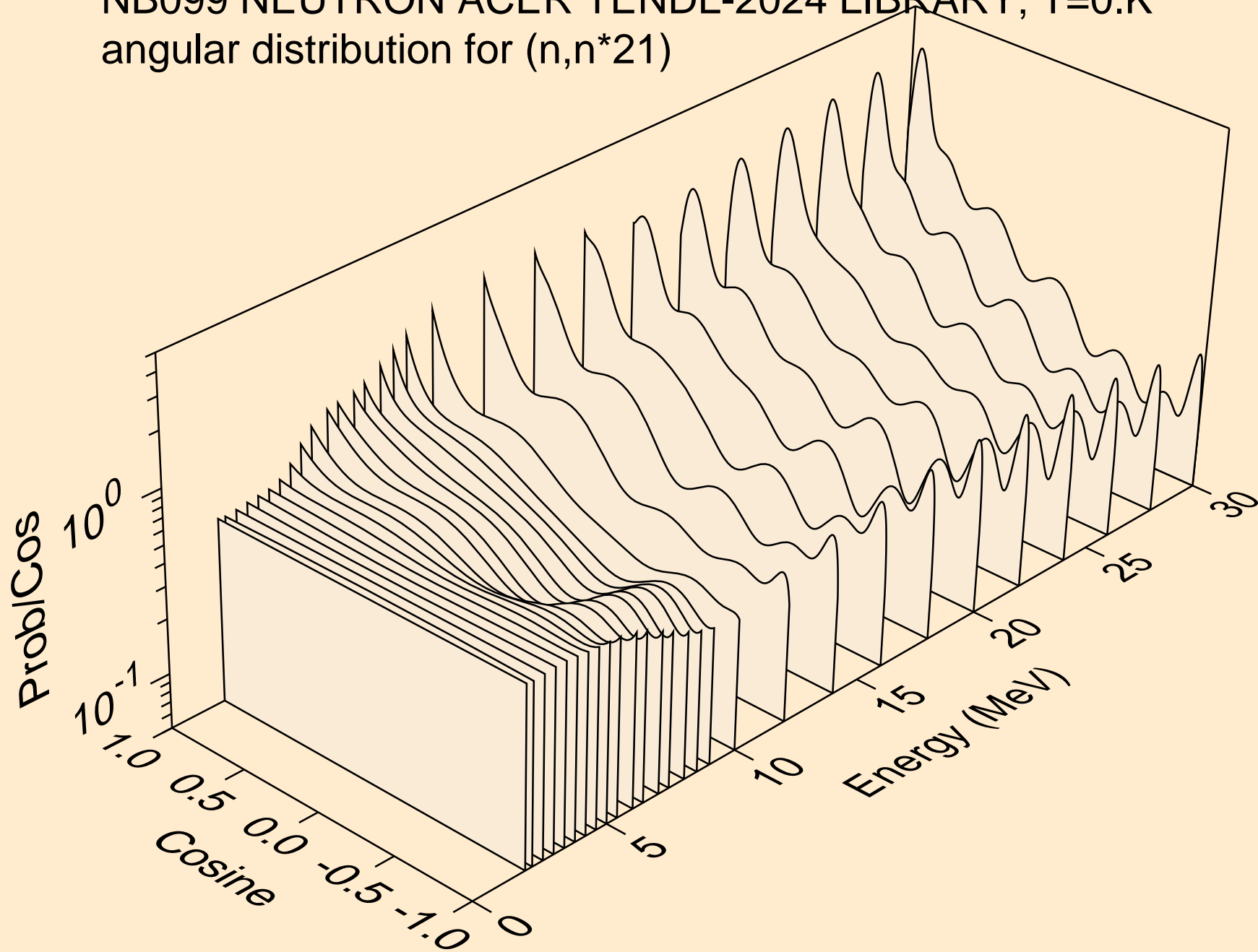


NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*20)

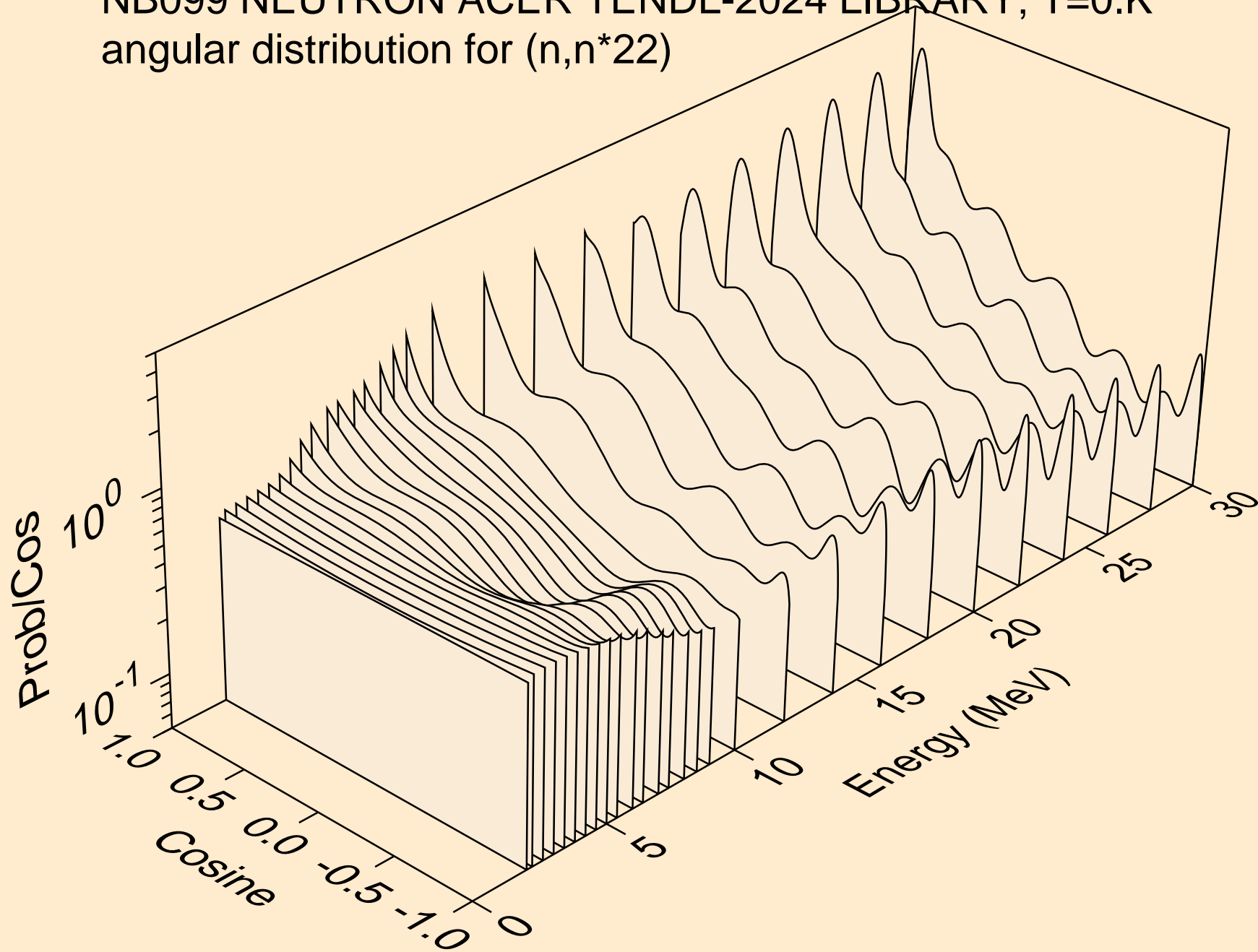




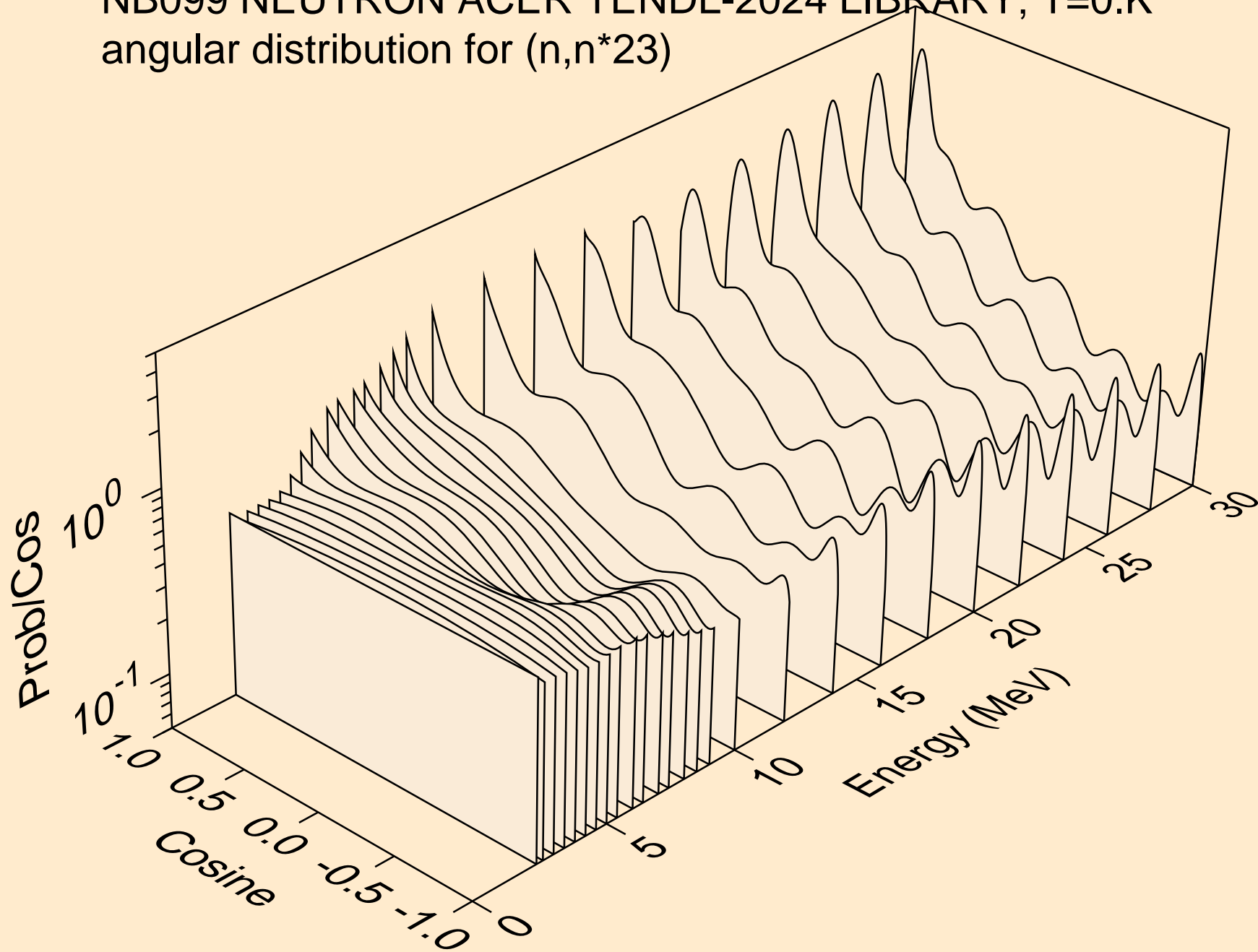
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angular distribution for (n,n\*21)



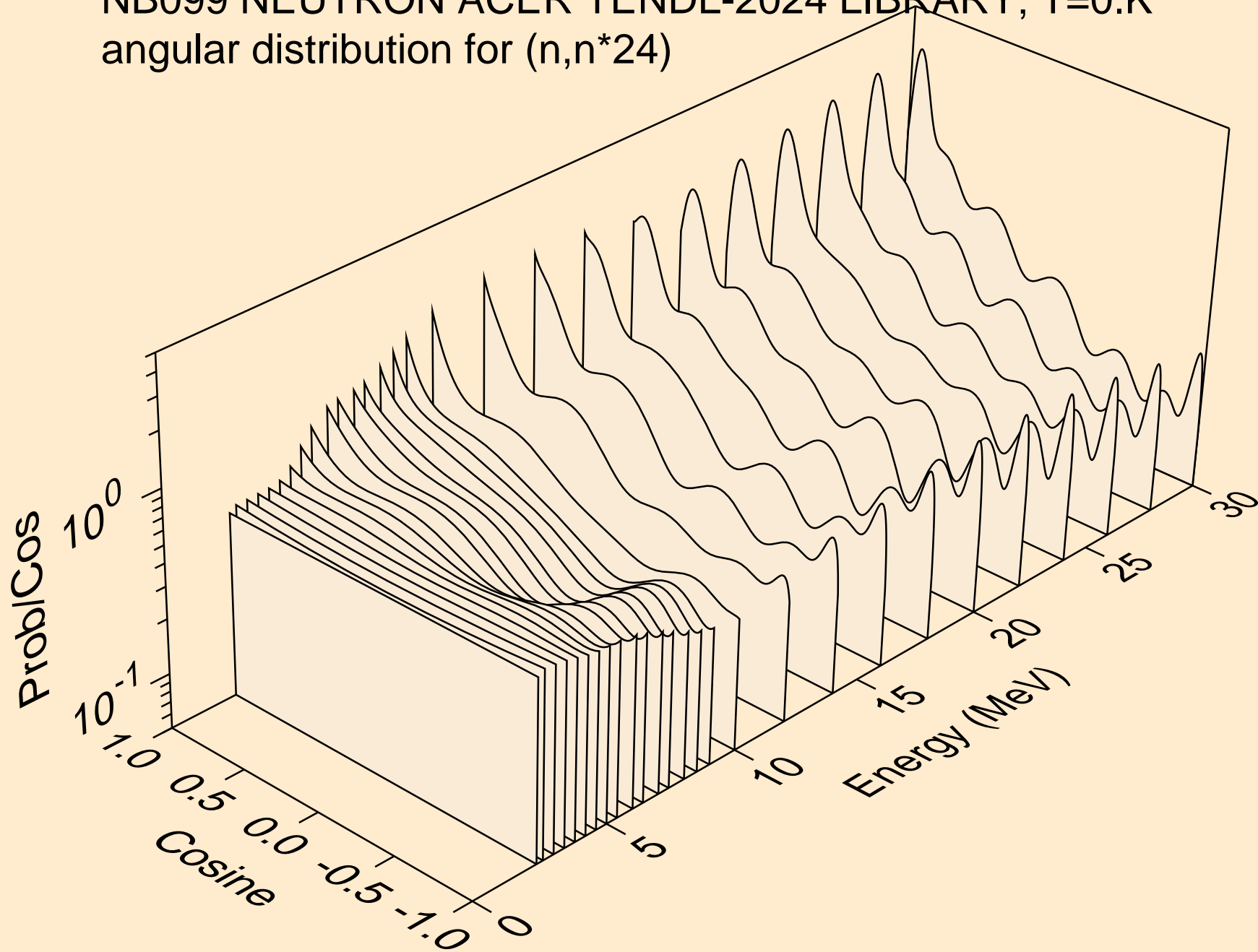
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angular distribution for (n,n\*22)



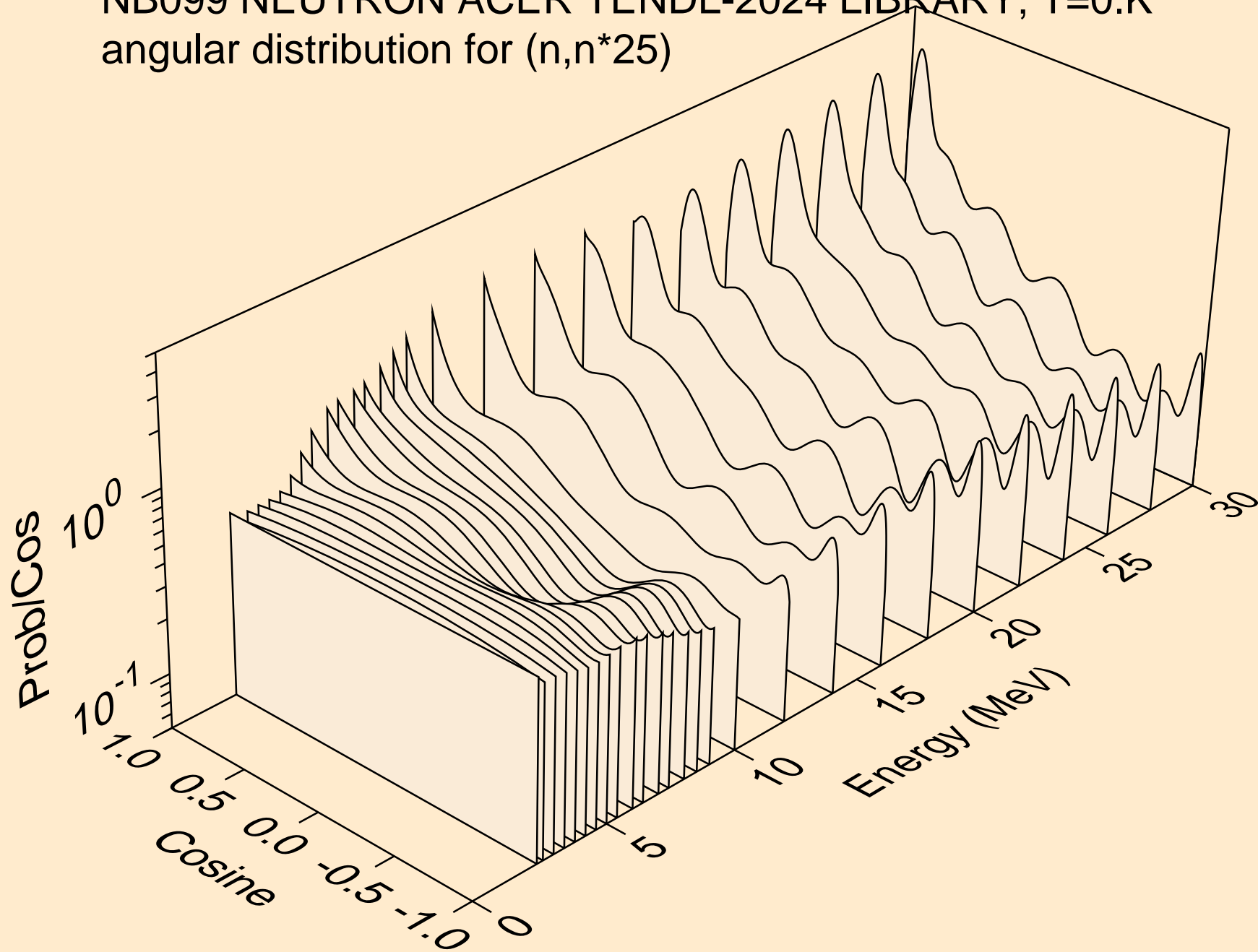
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angular distribution for (n,n\*23)



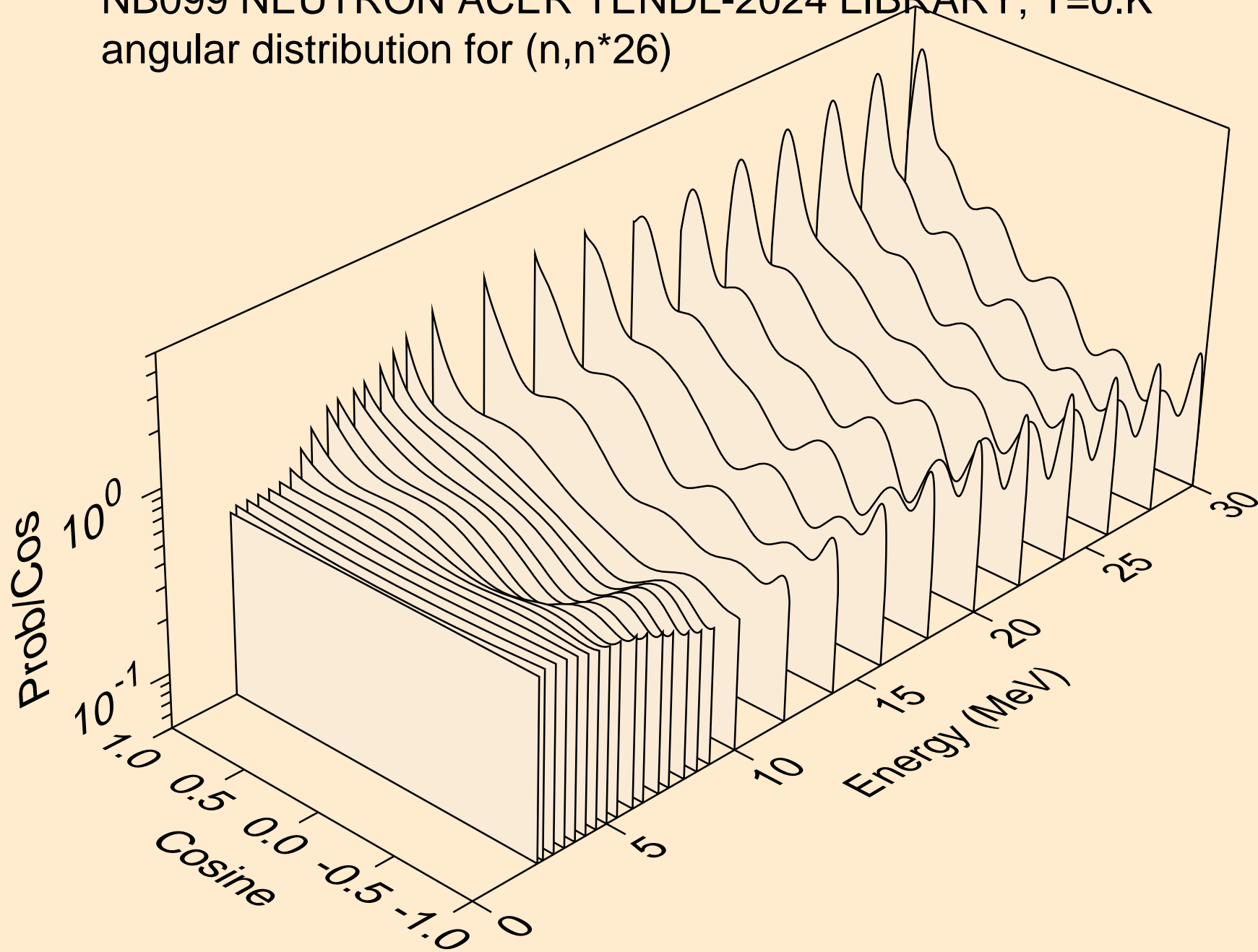
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angular distribution for (n,n\*24)



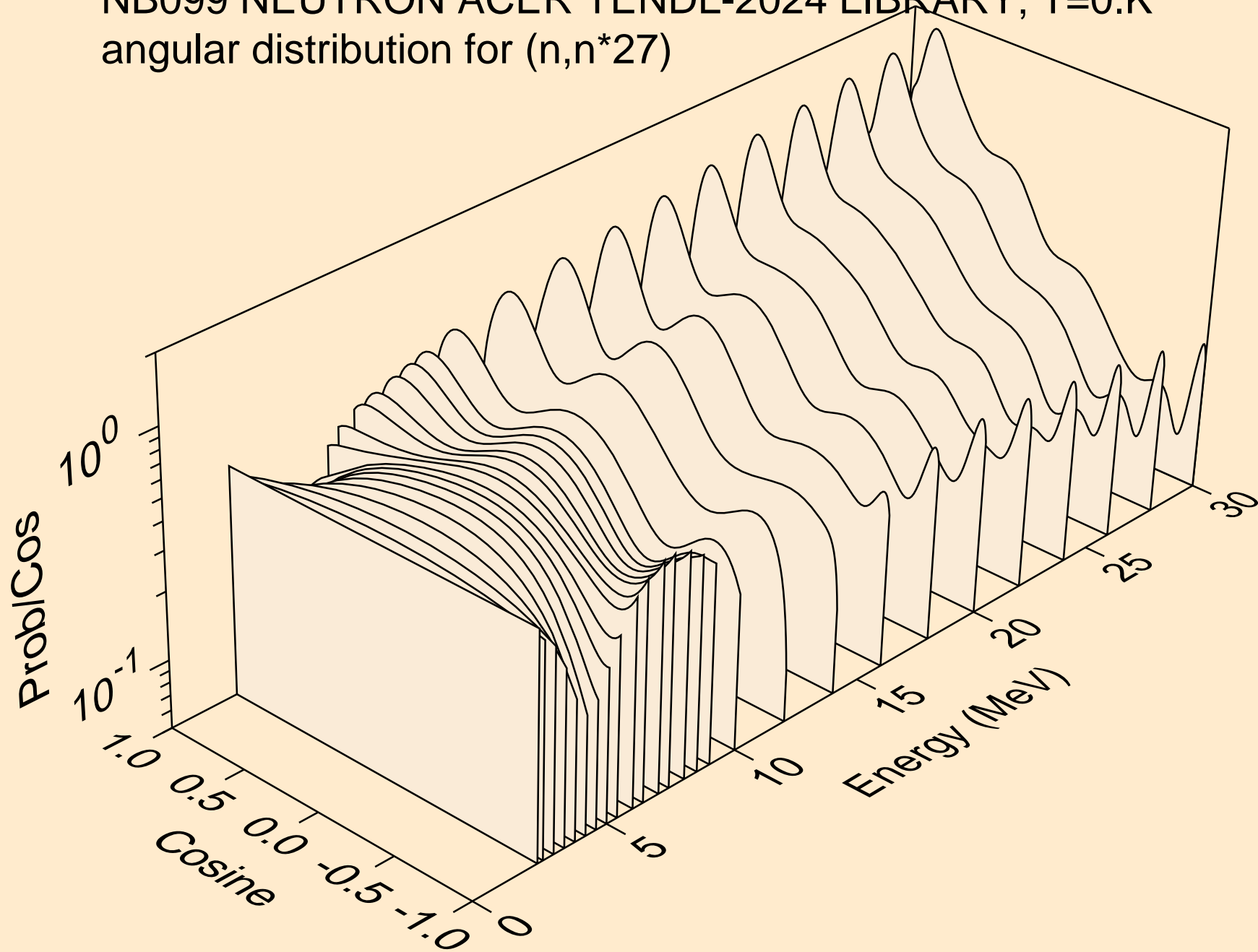
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angular distribution for (n,n\*25)



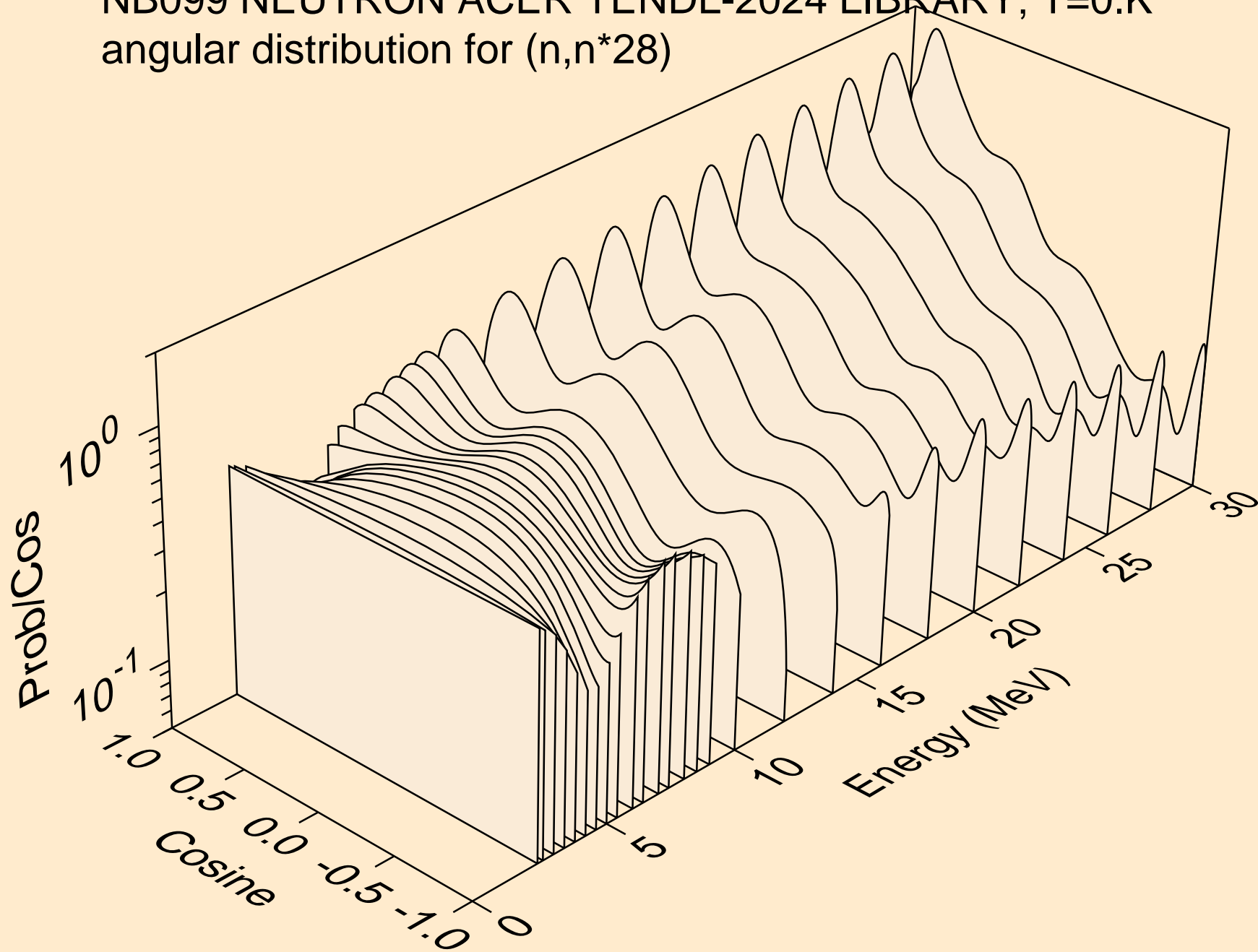
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*27)

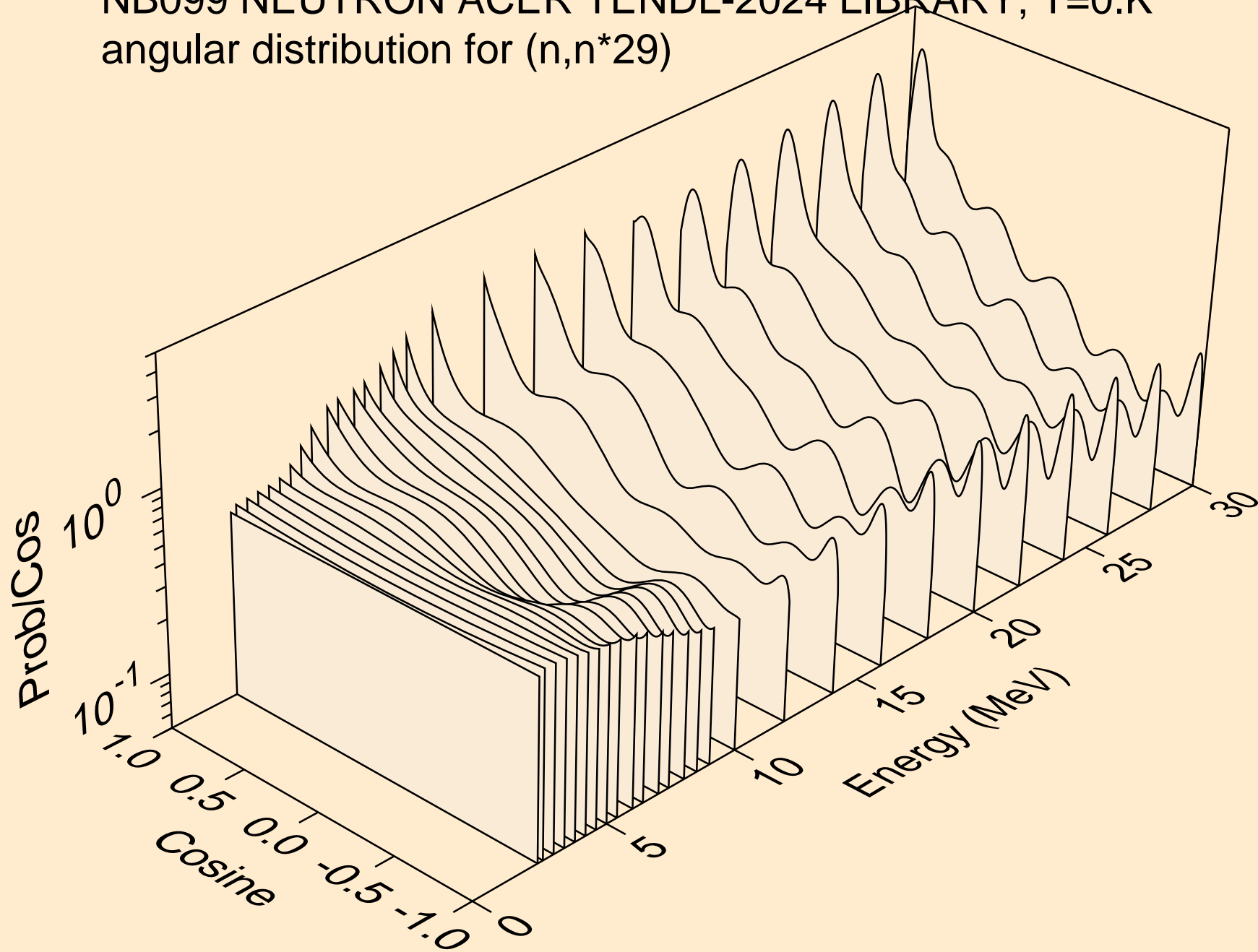


NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*28)

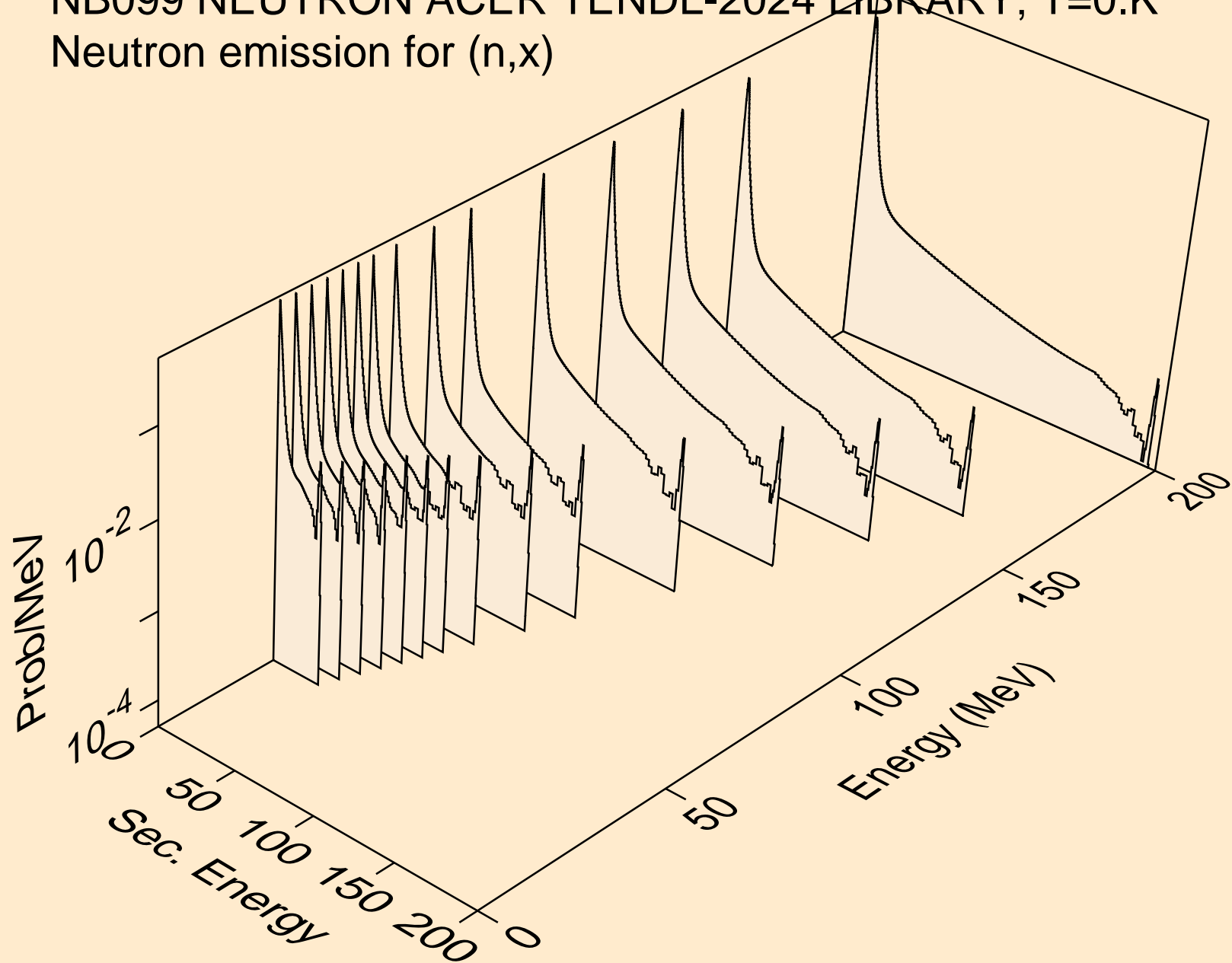




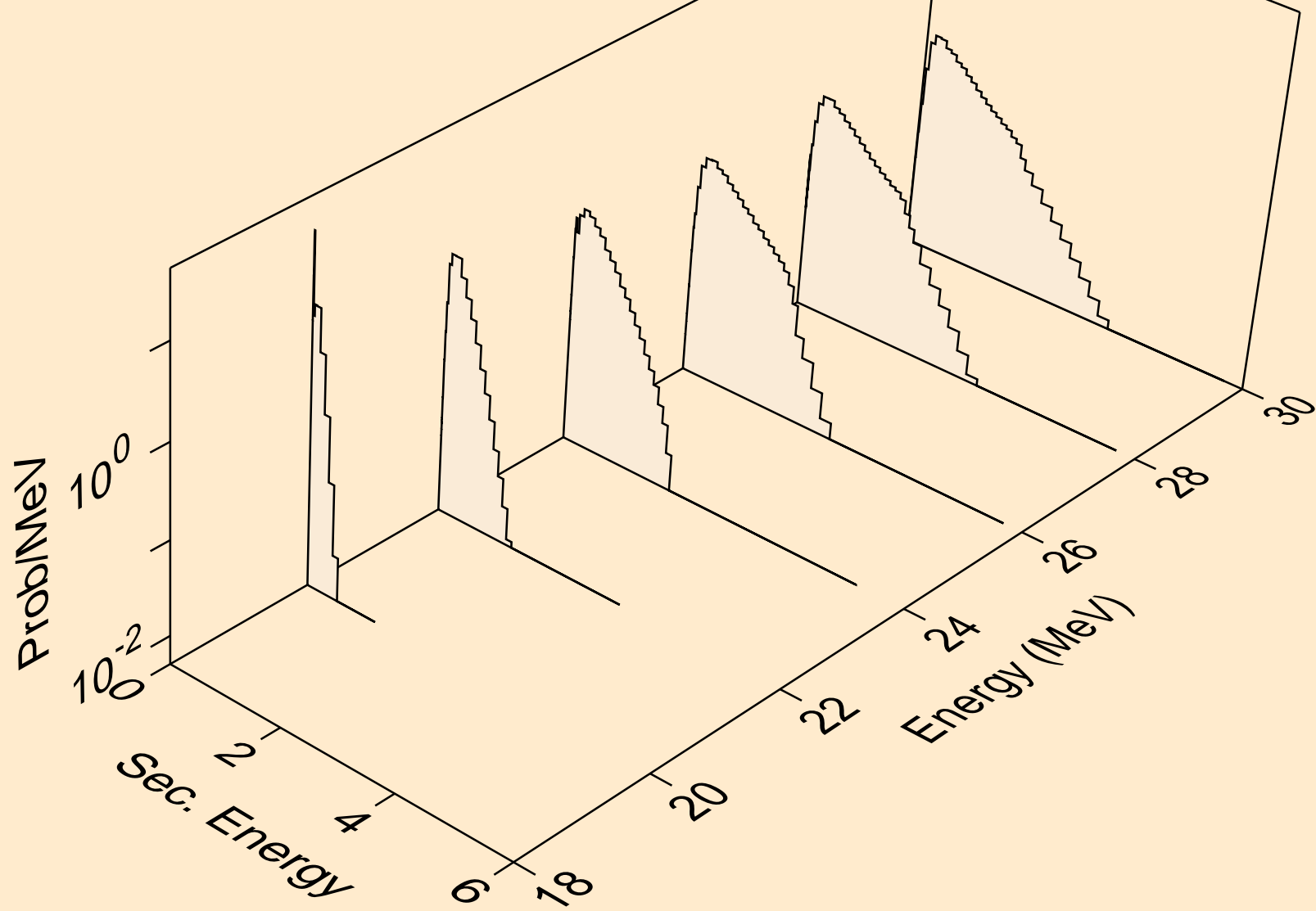
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angular distribution for (n,n\*29)



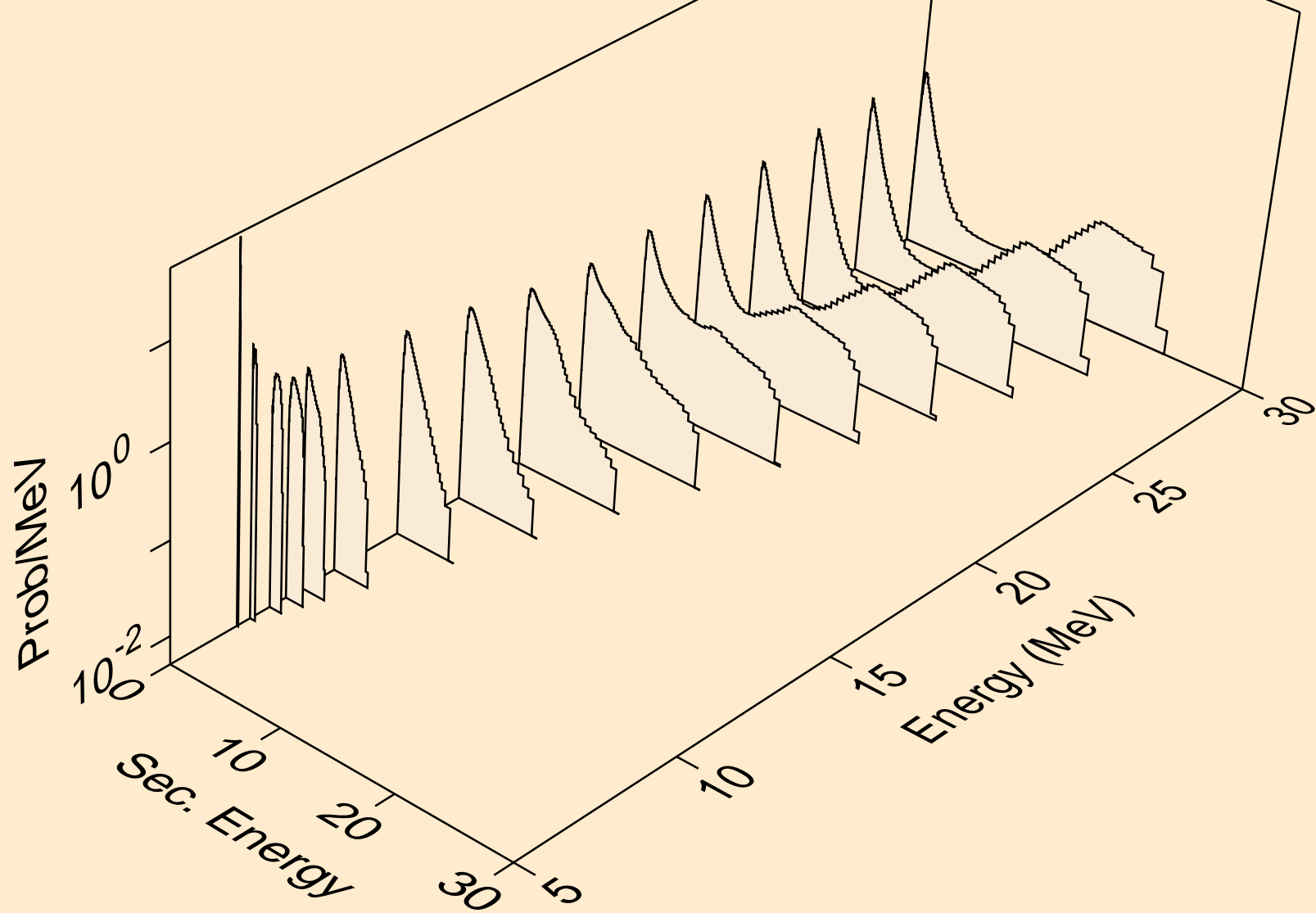
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



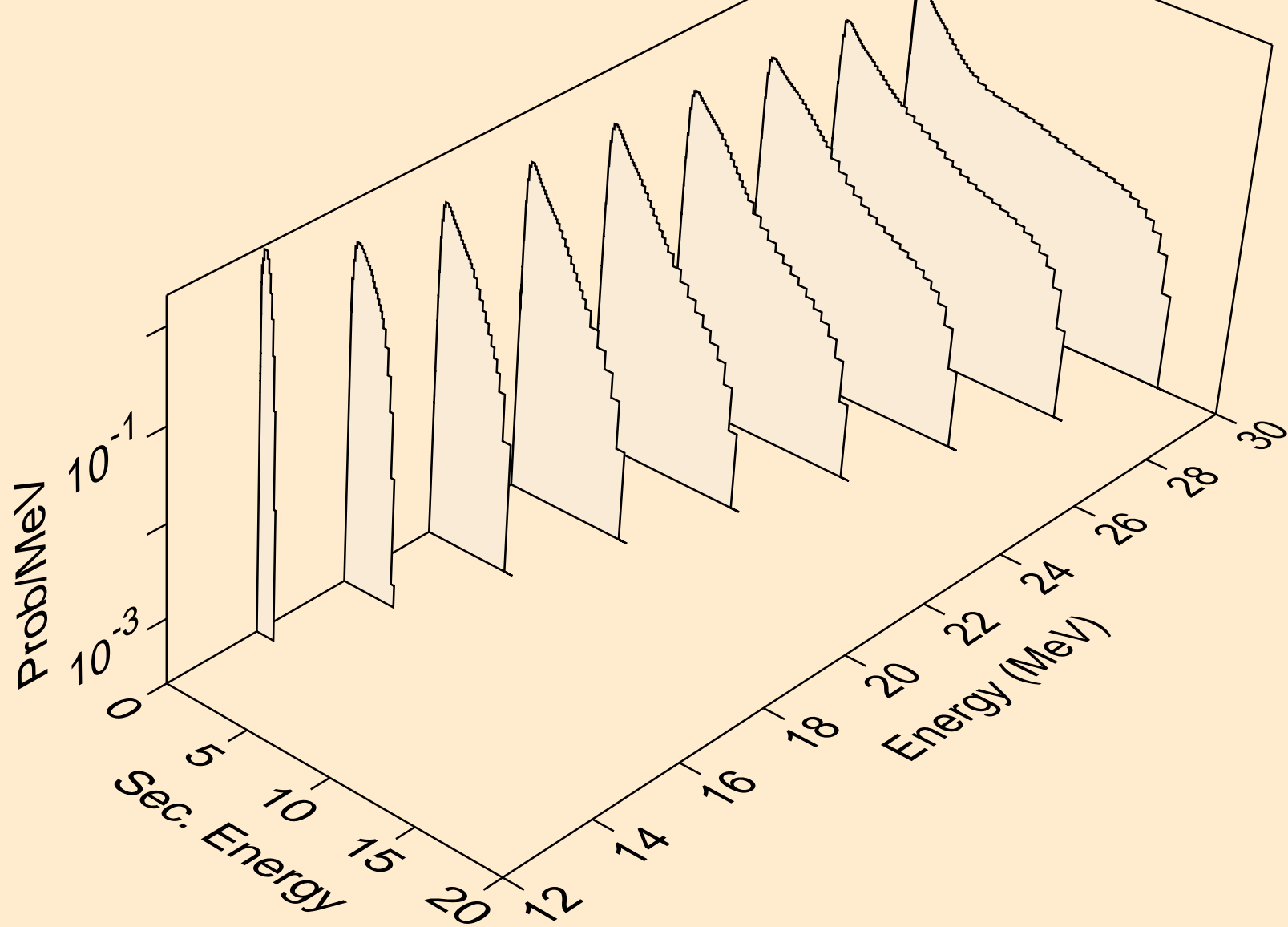
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



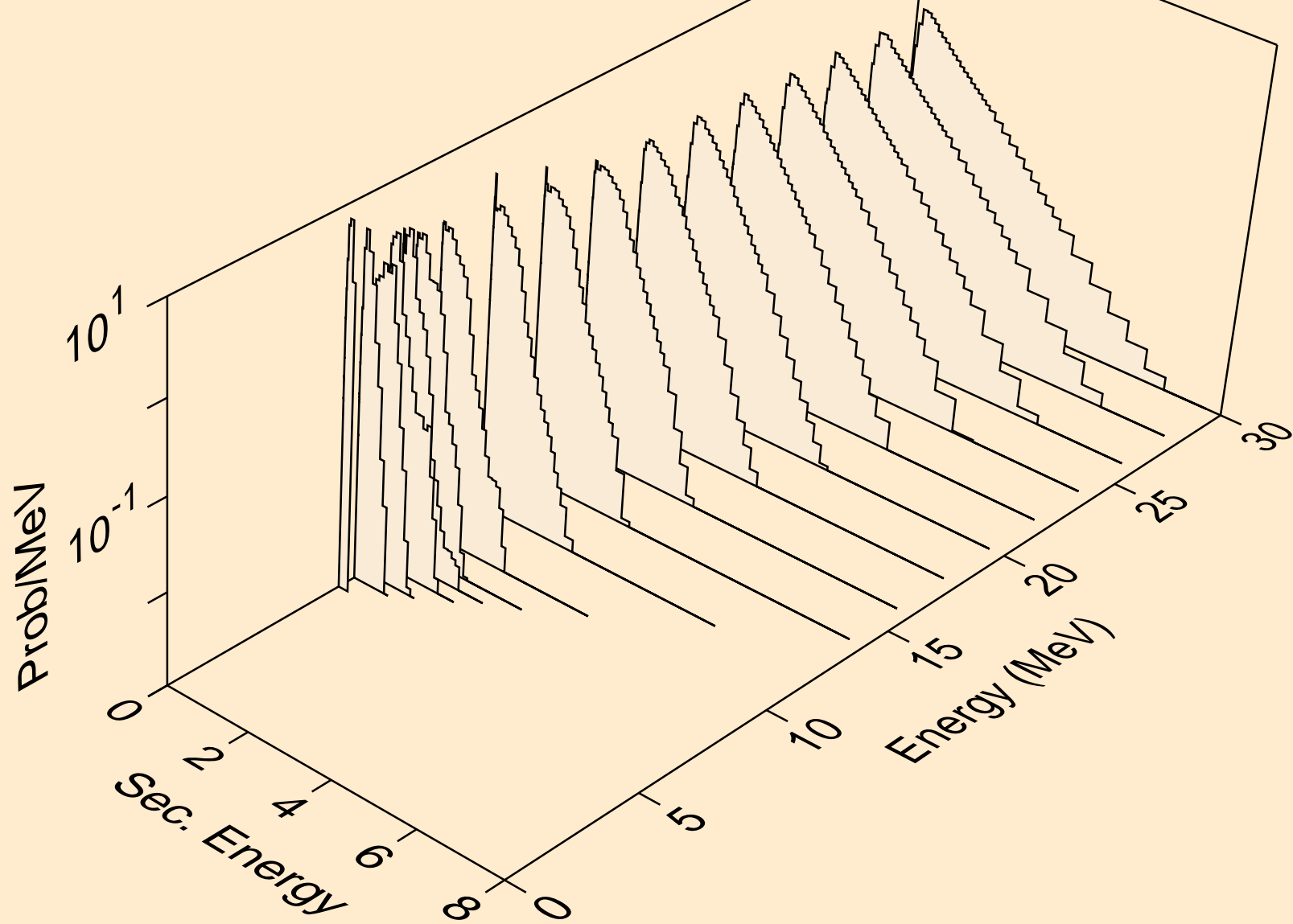
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



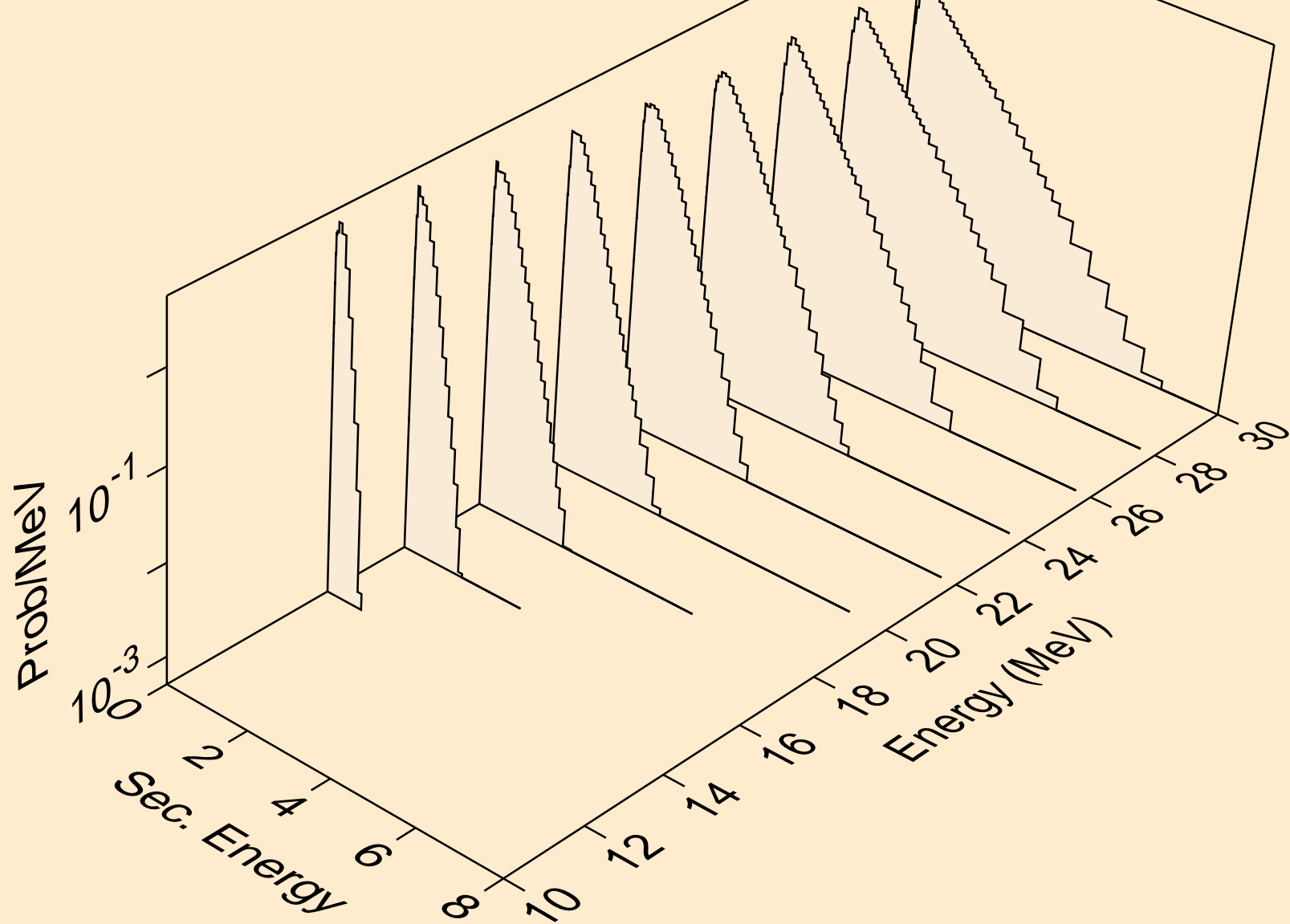
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



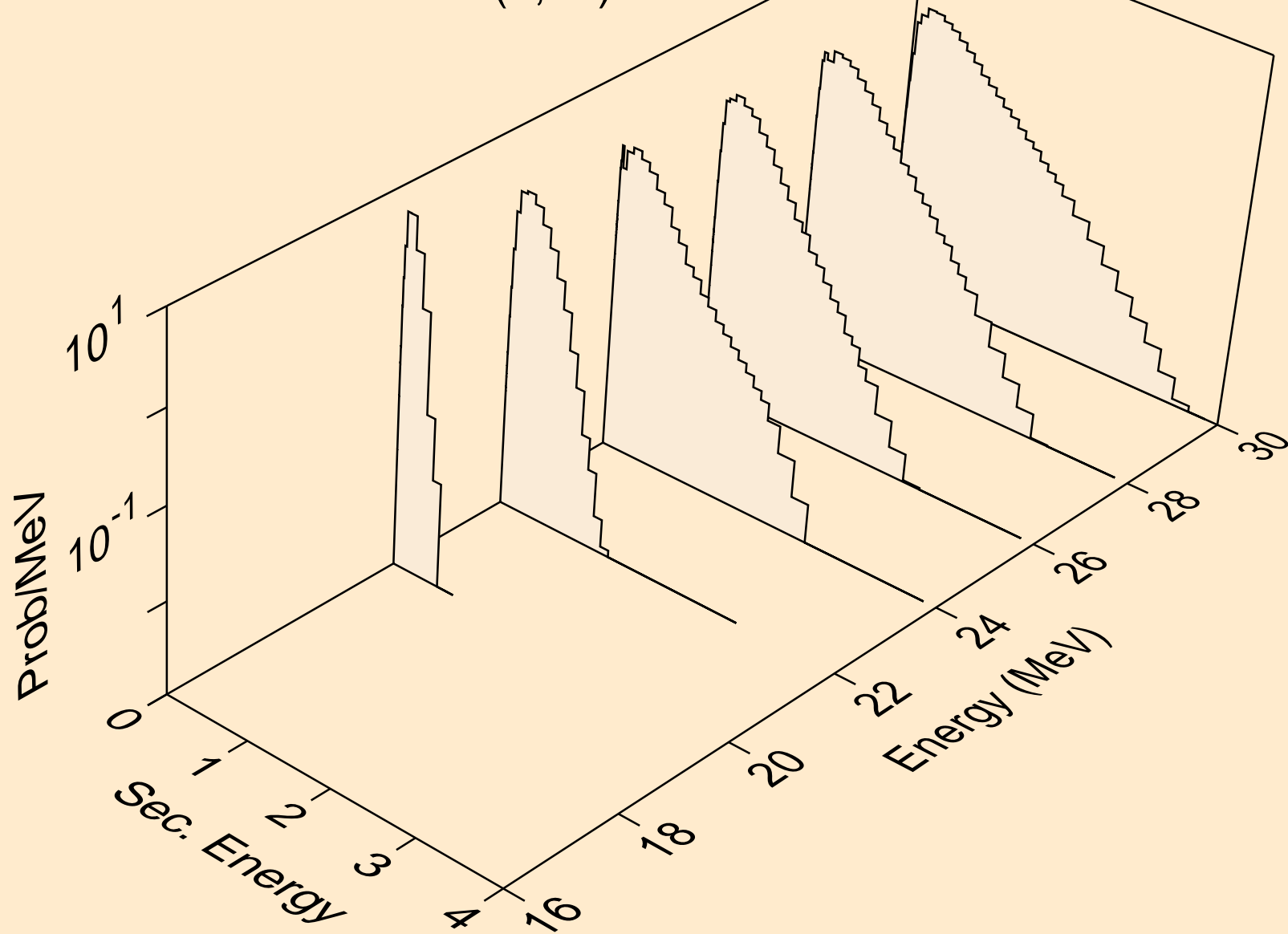
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a

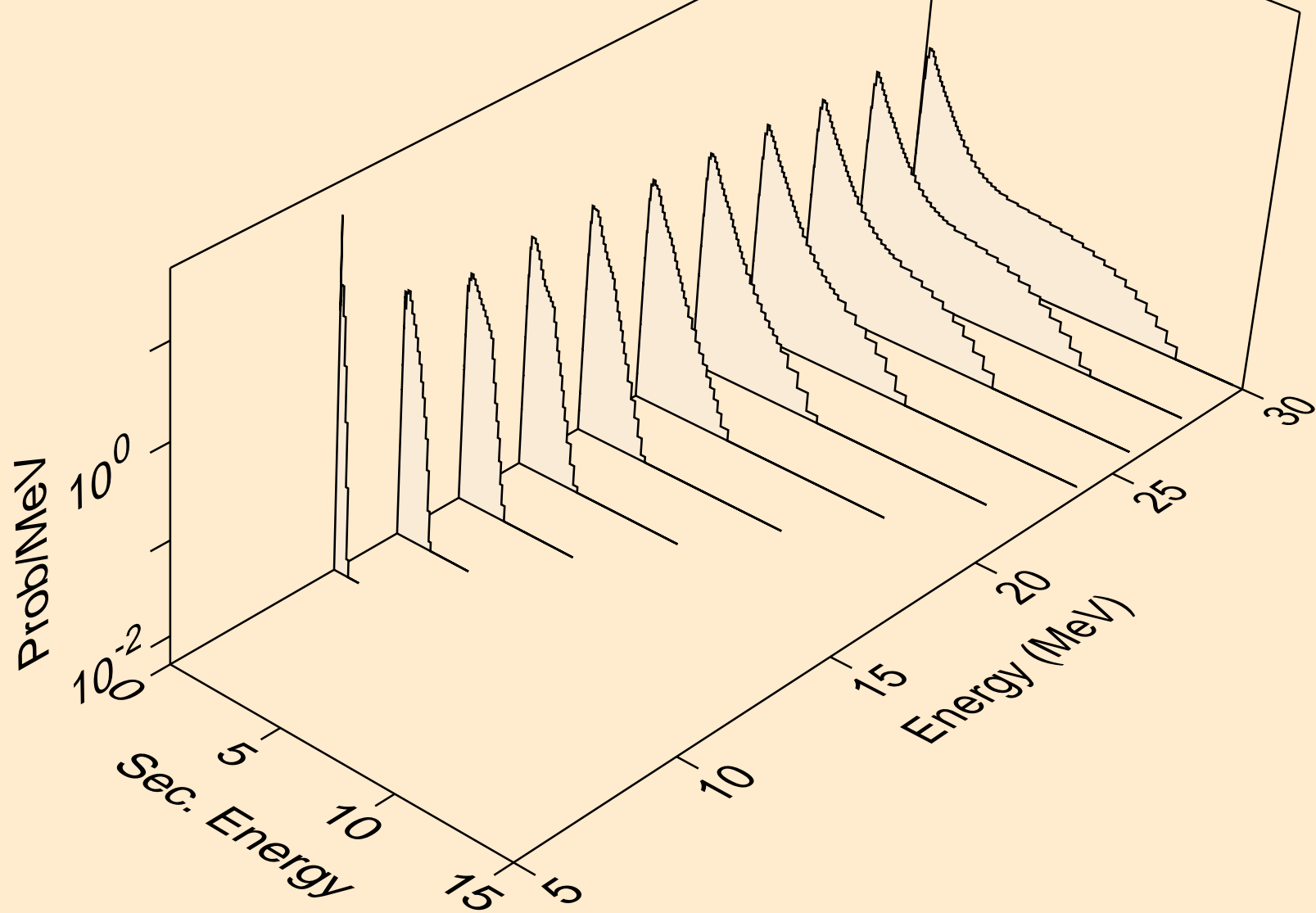


NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a

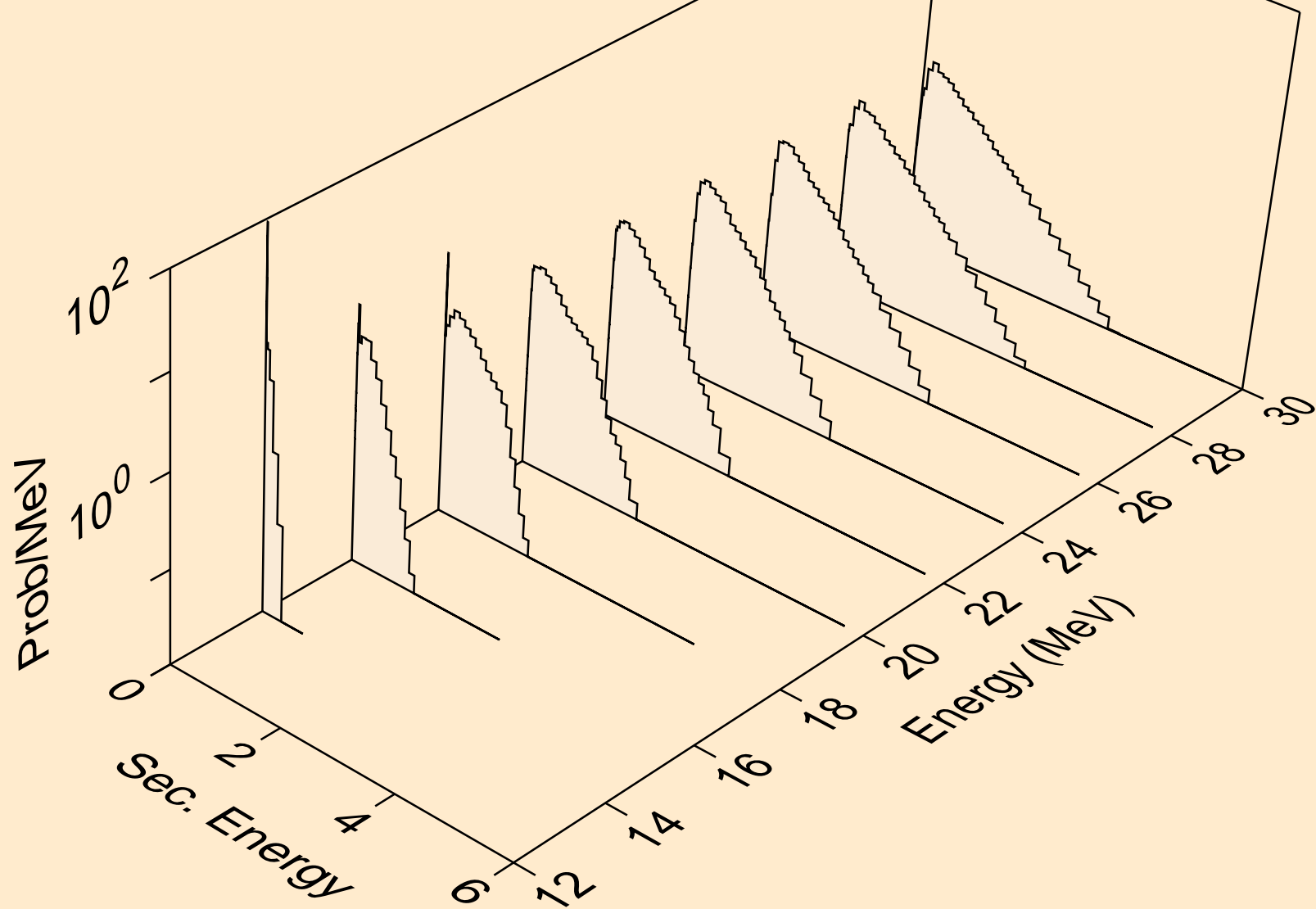




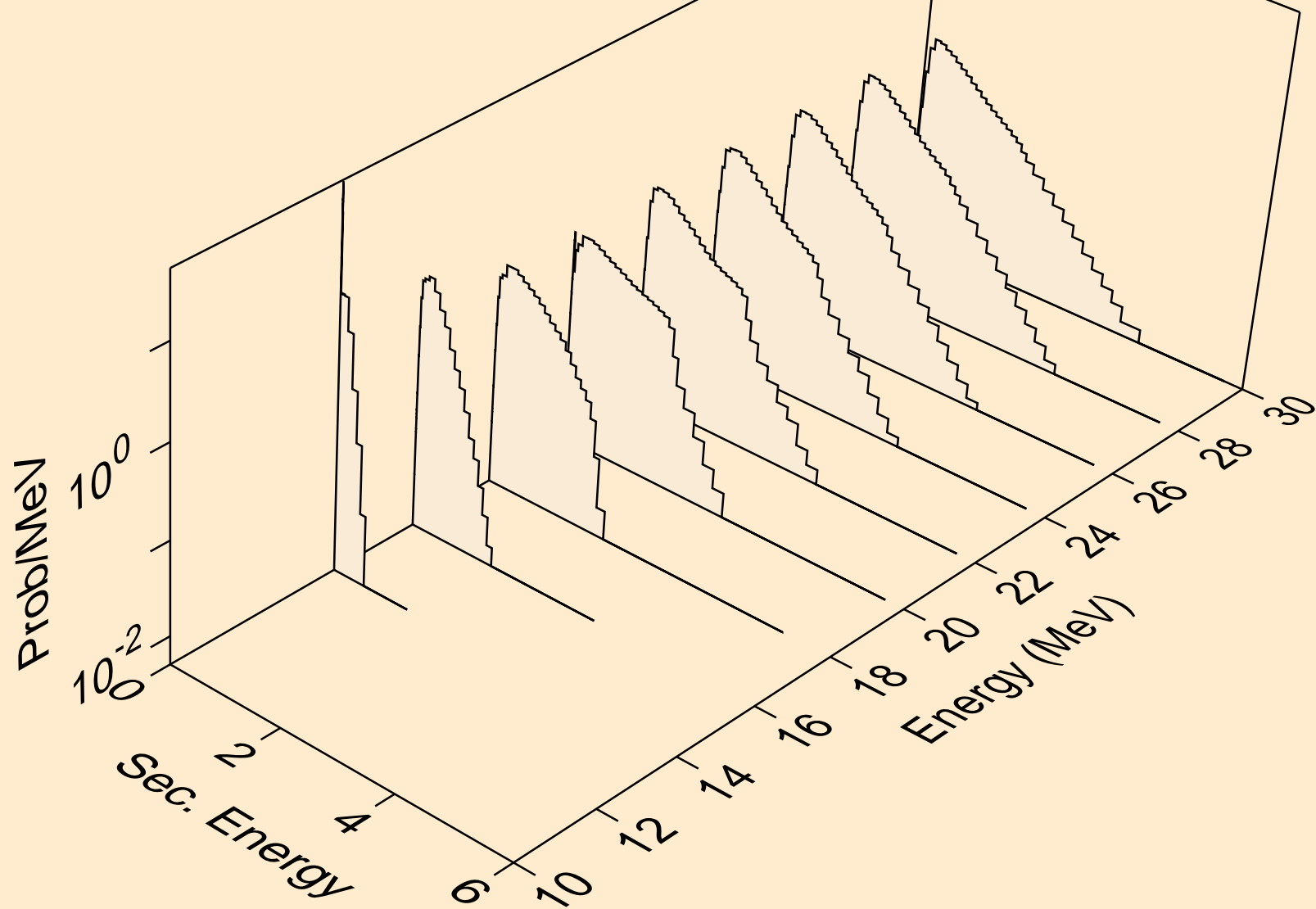
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Neutron emission for (n,n\*)p



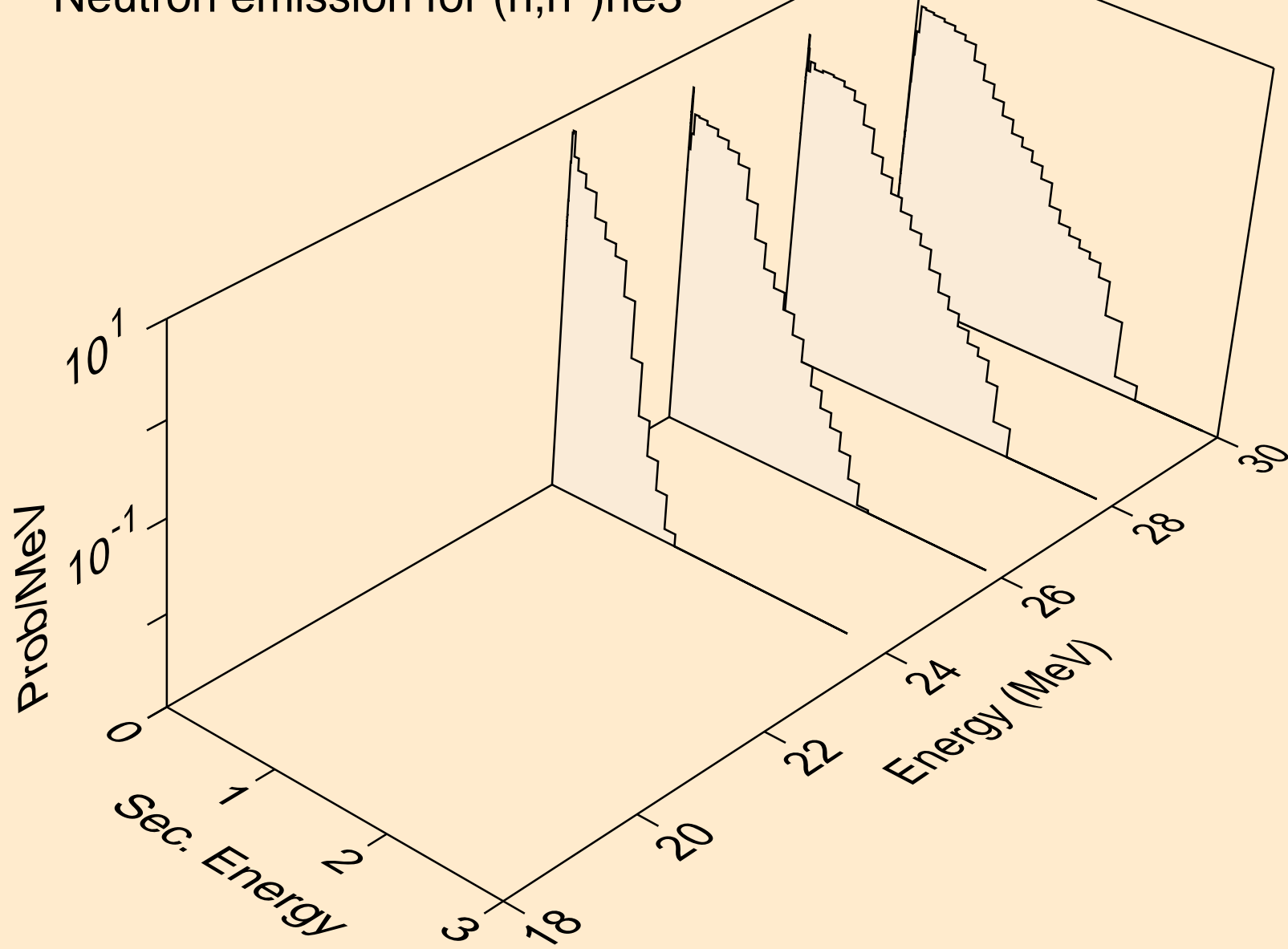
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



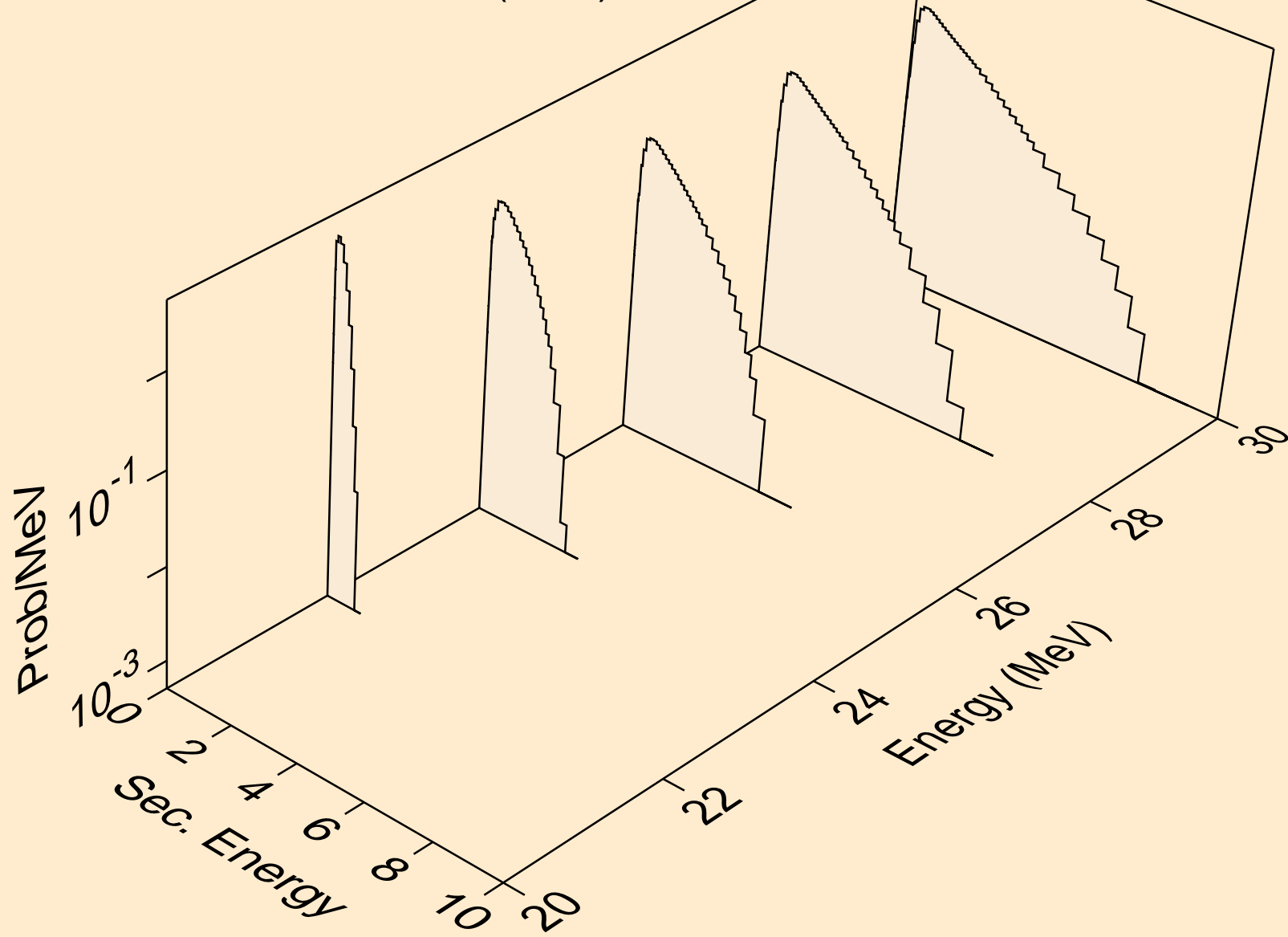
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



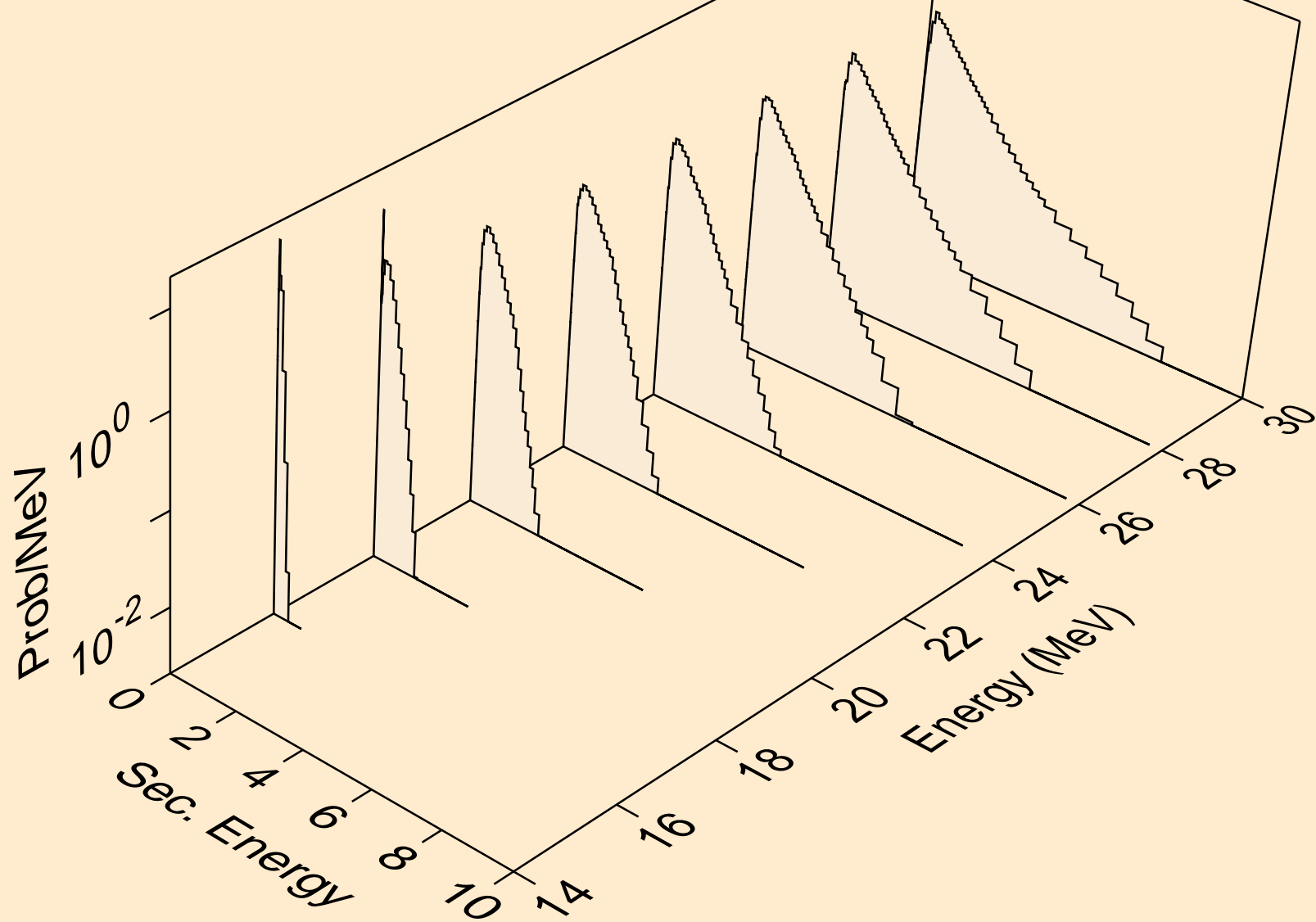
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



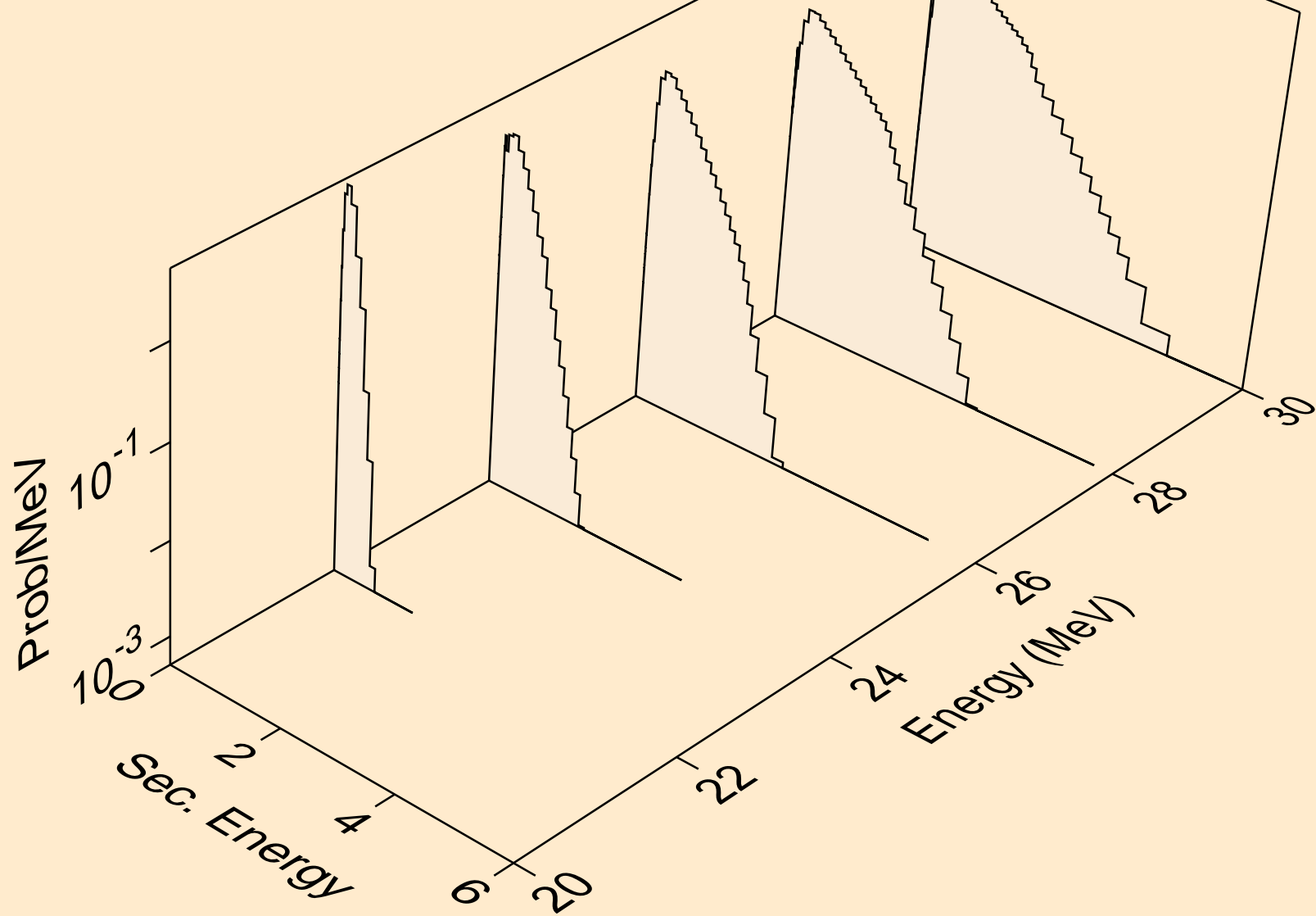
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)



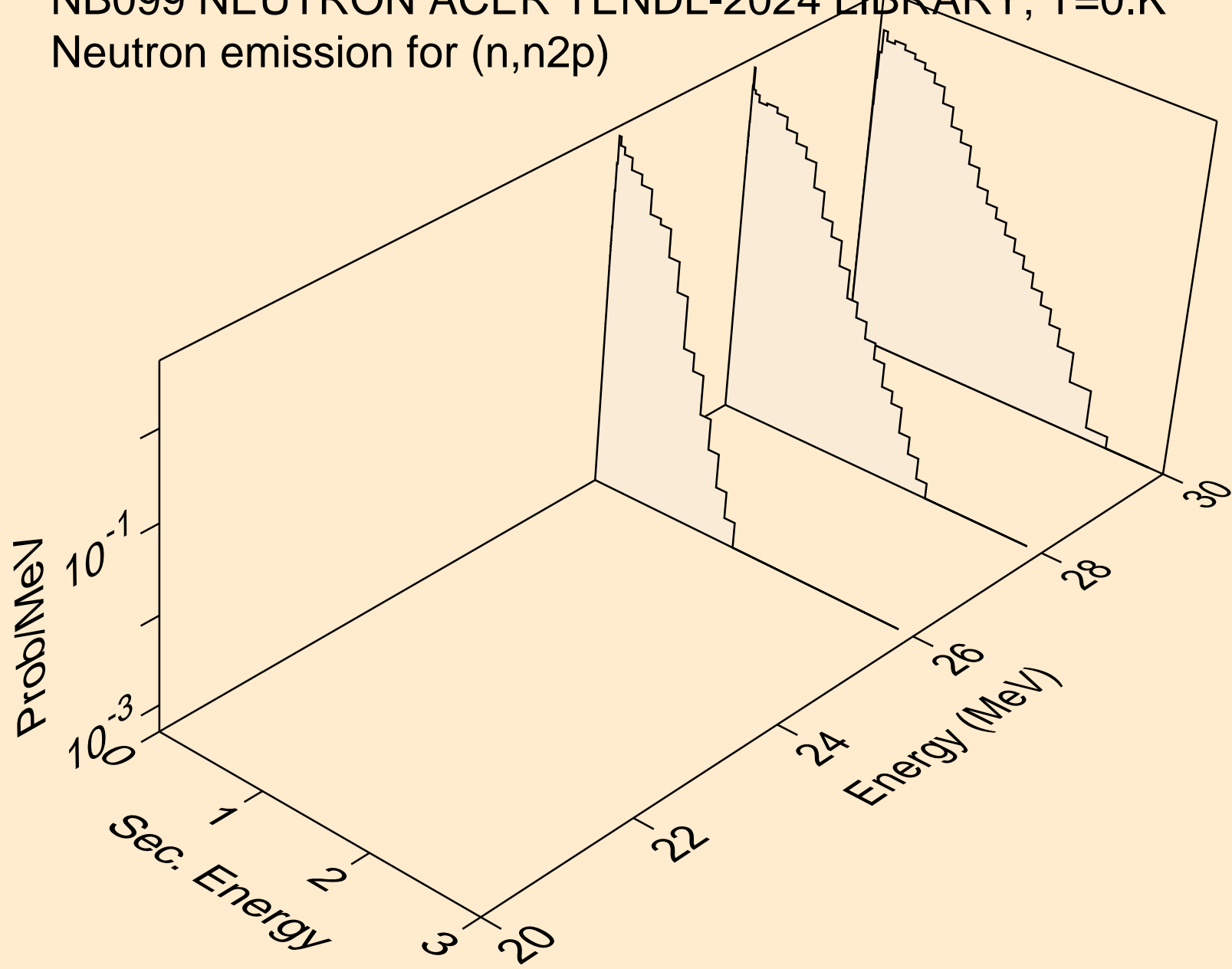
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)

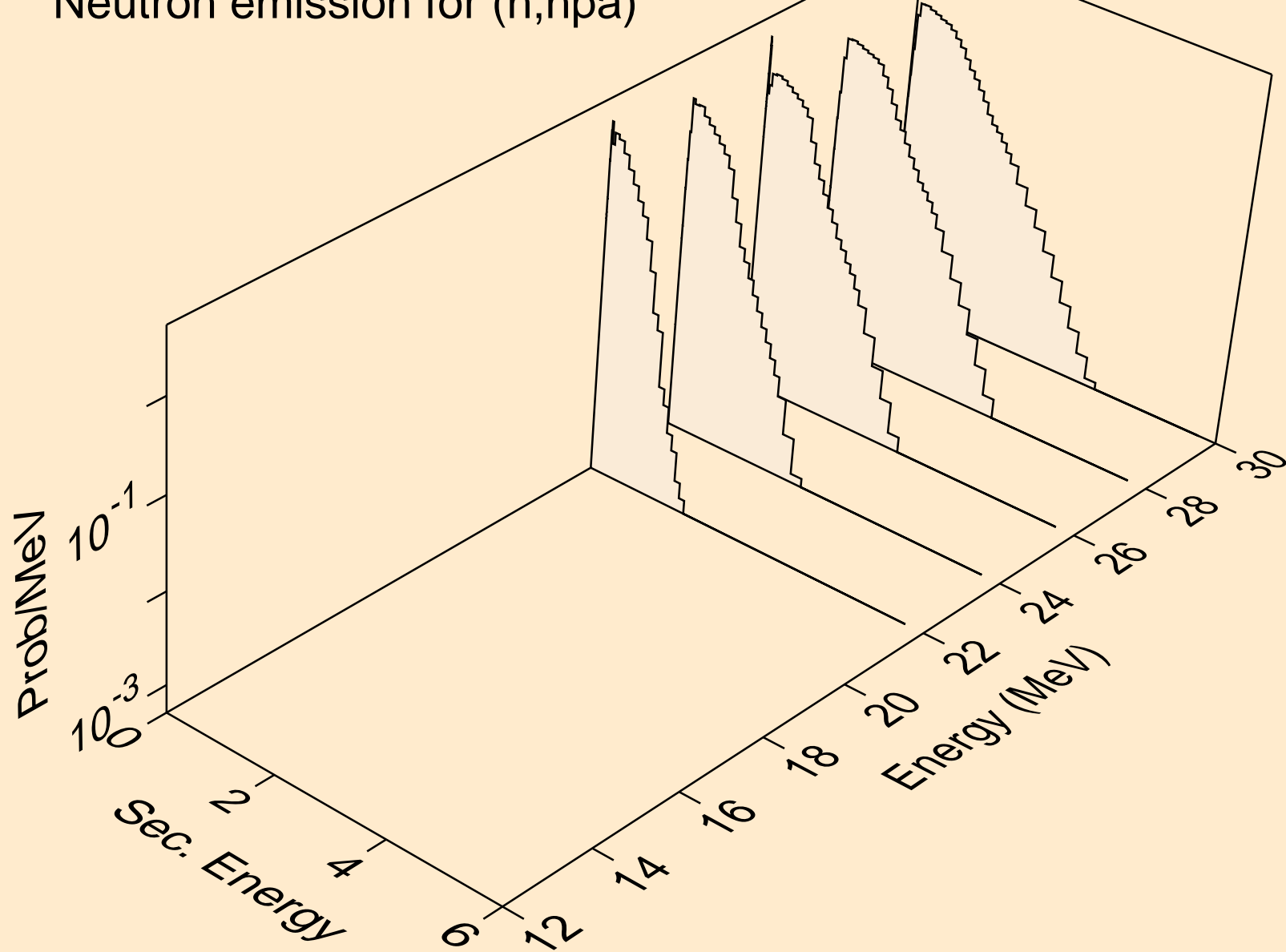


NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)

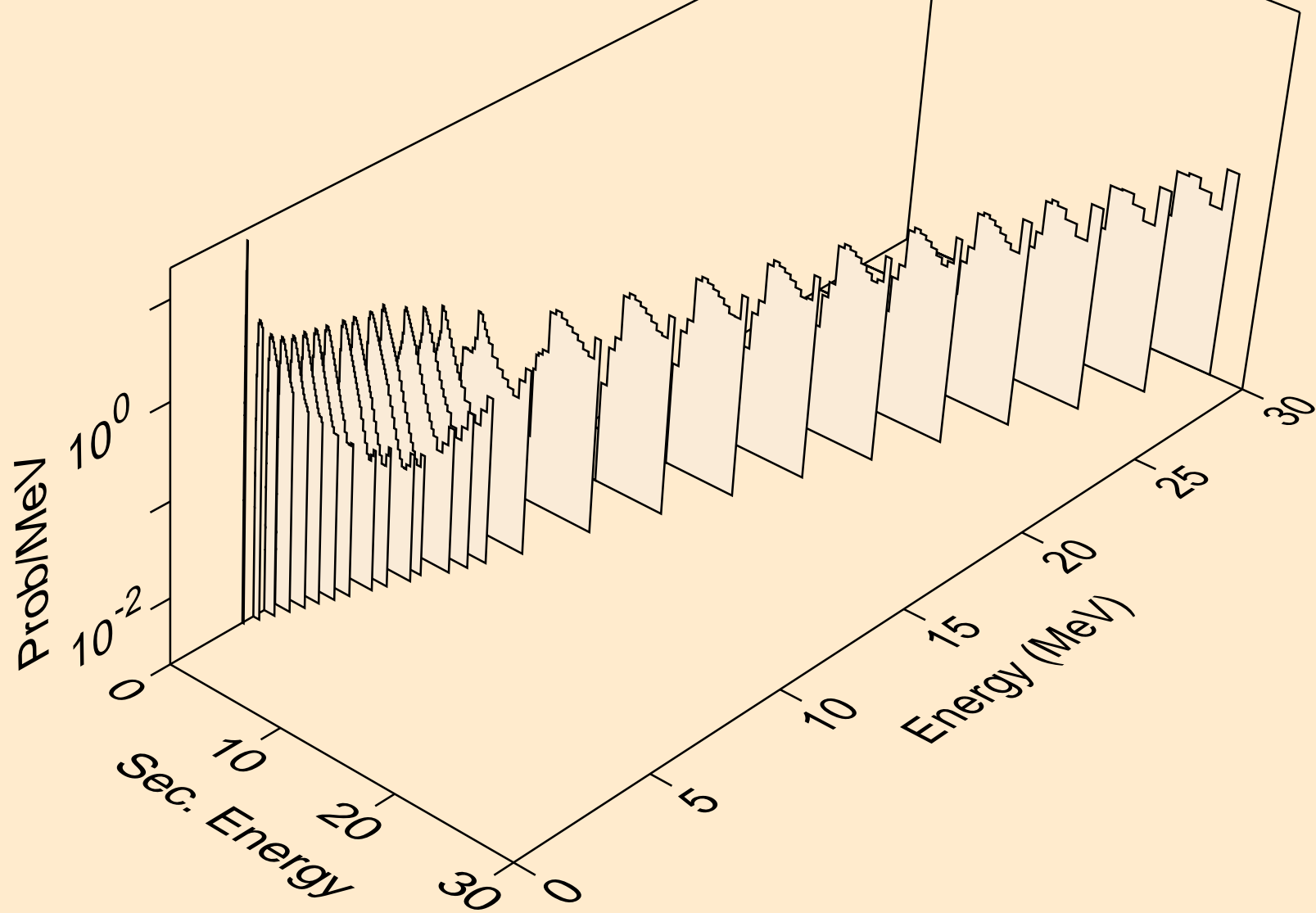




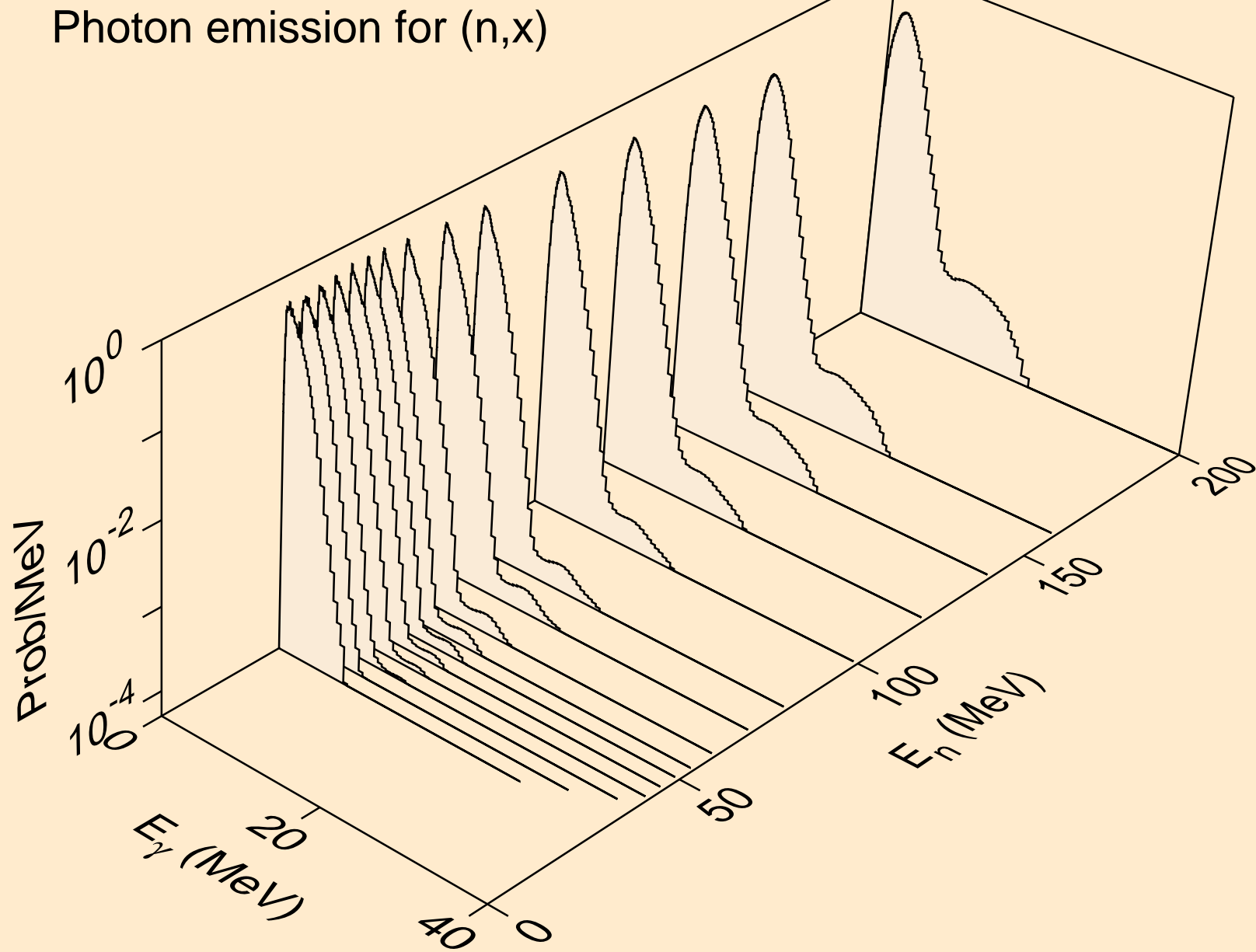
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)



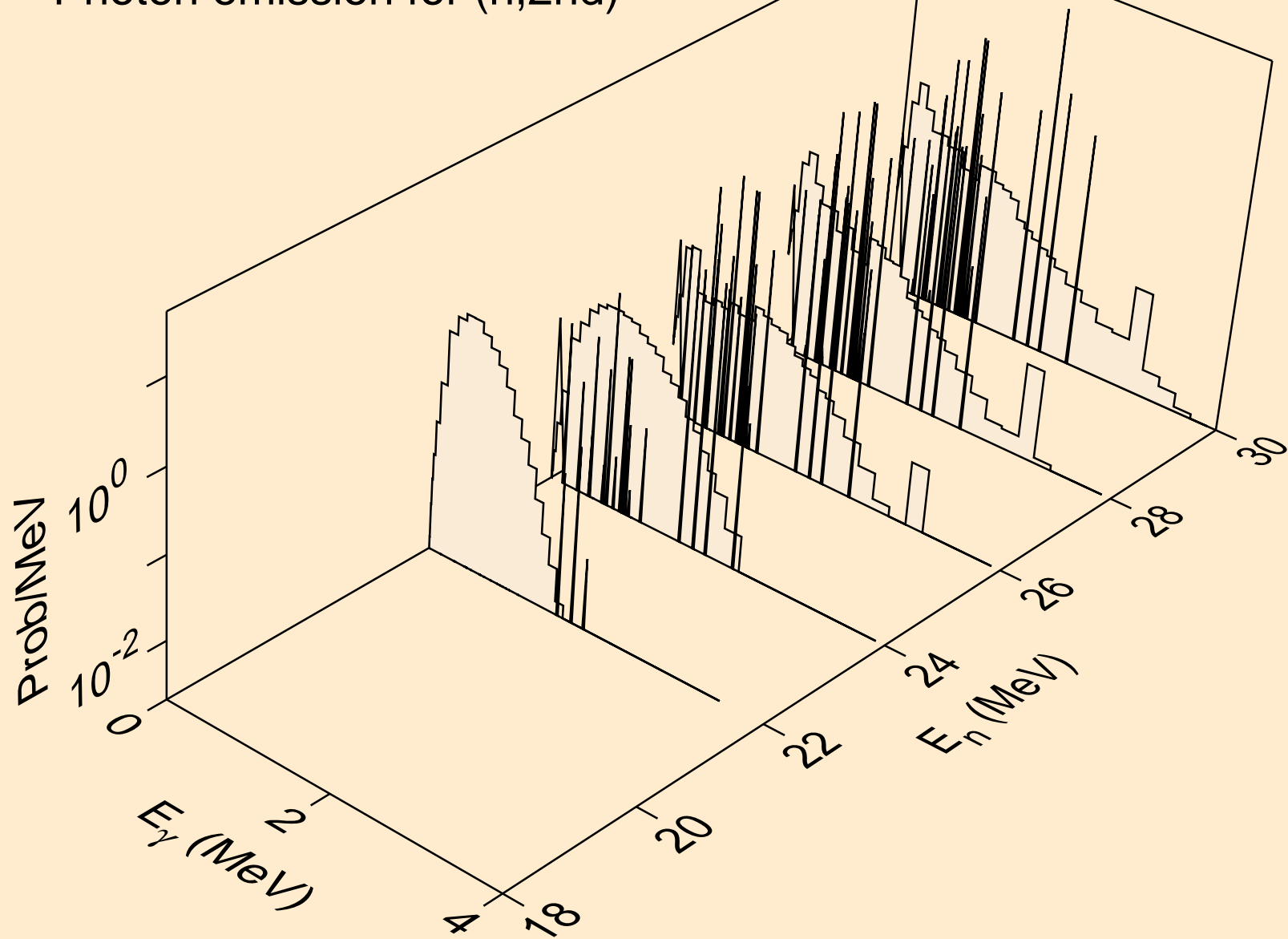
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



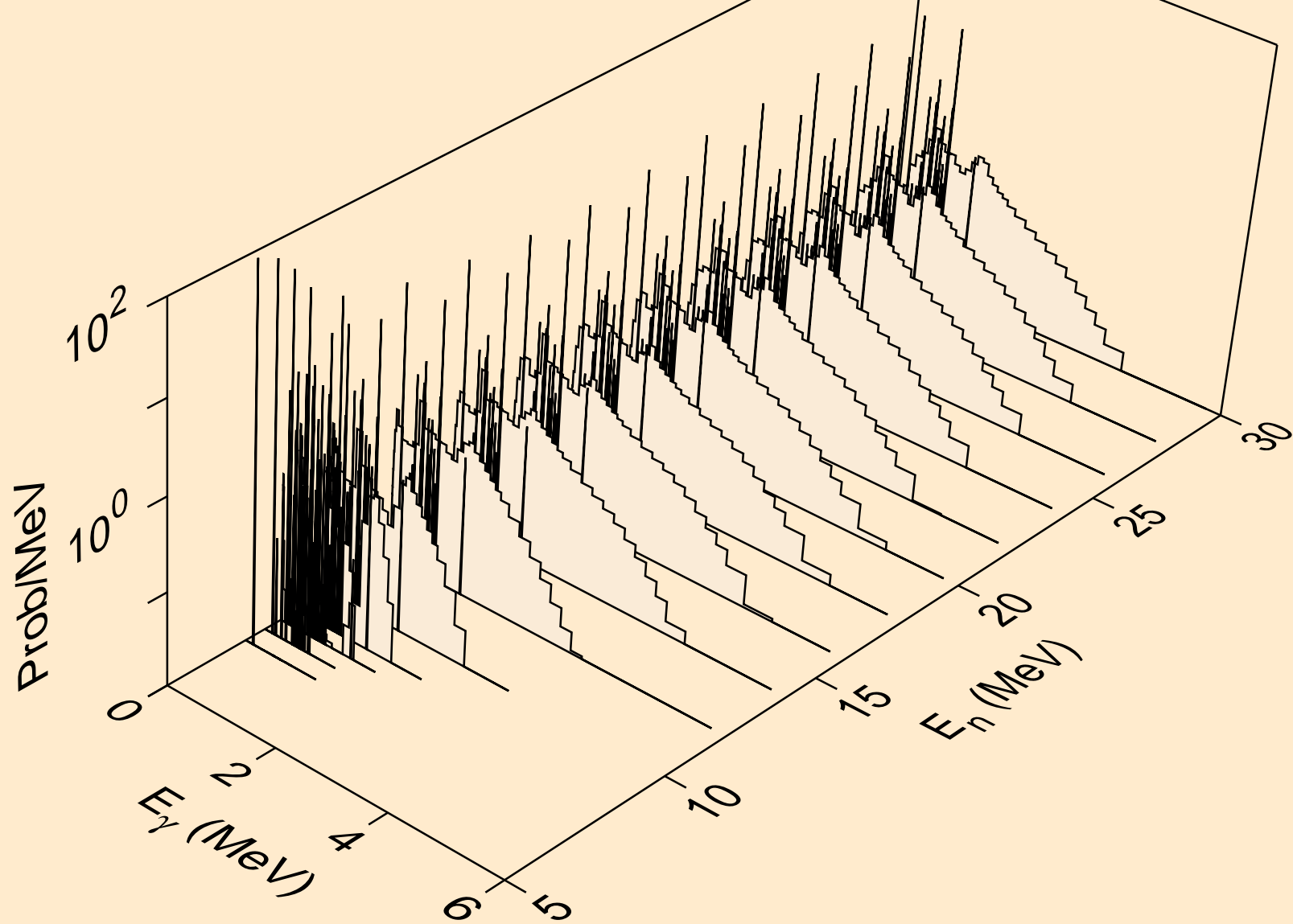
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



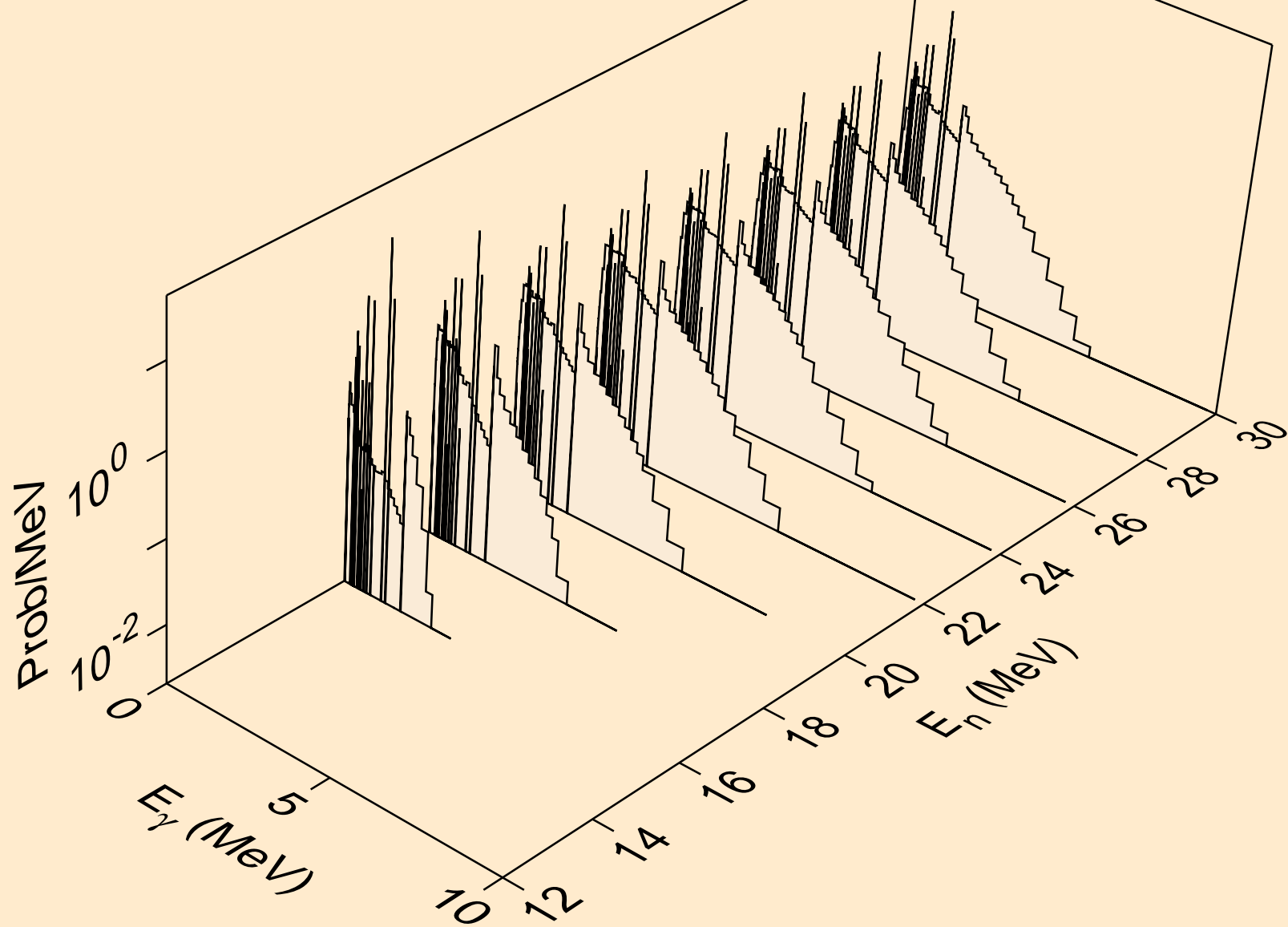
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Photon emission for (n,2nd)



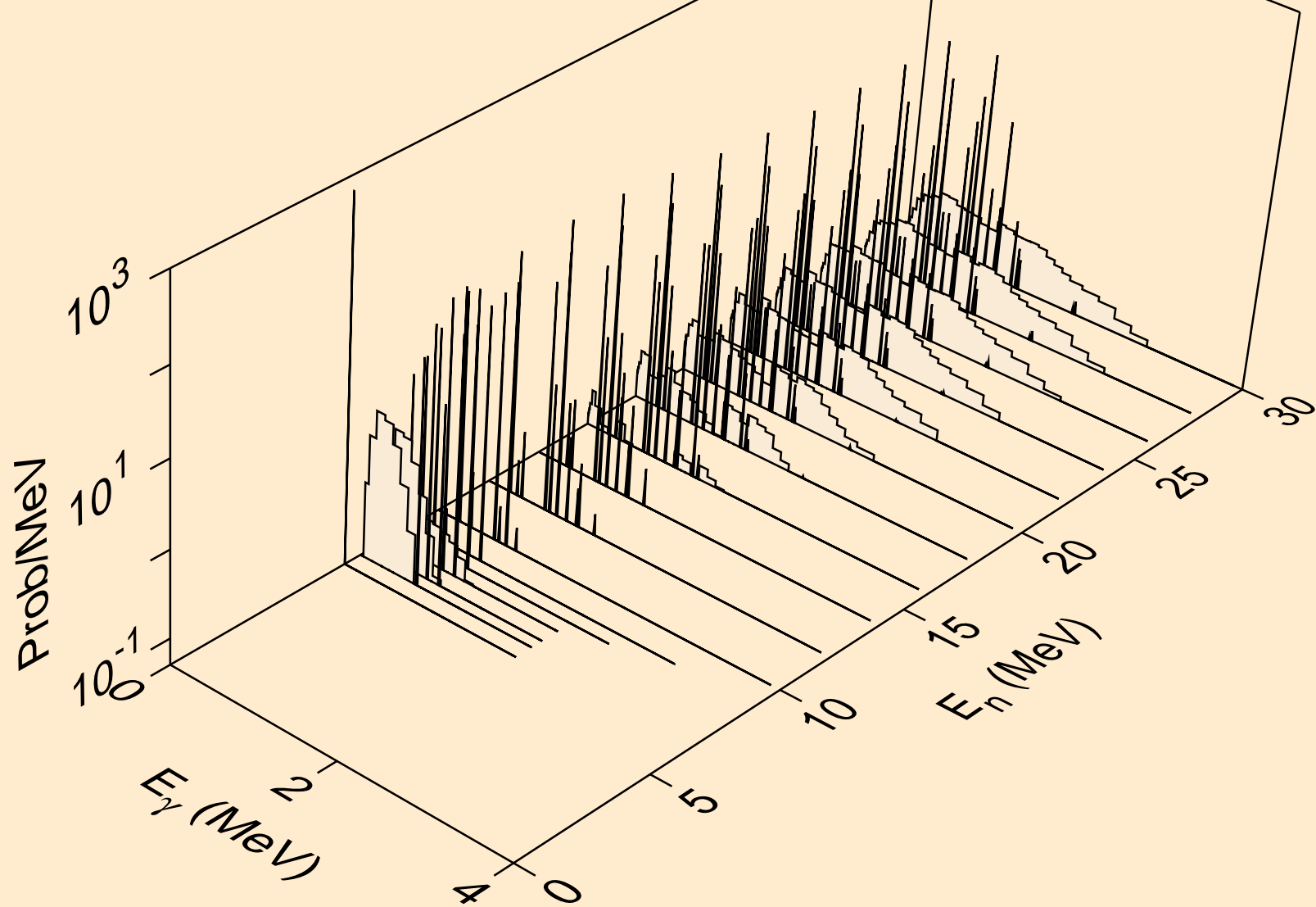
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



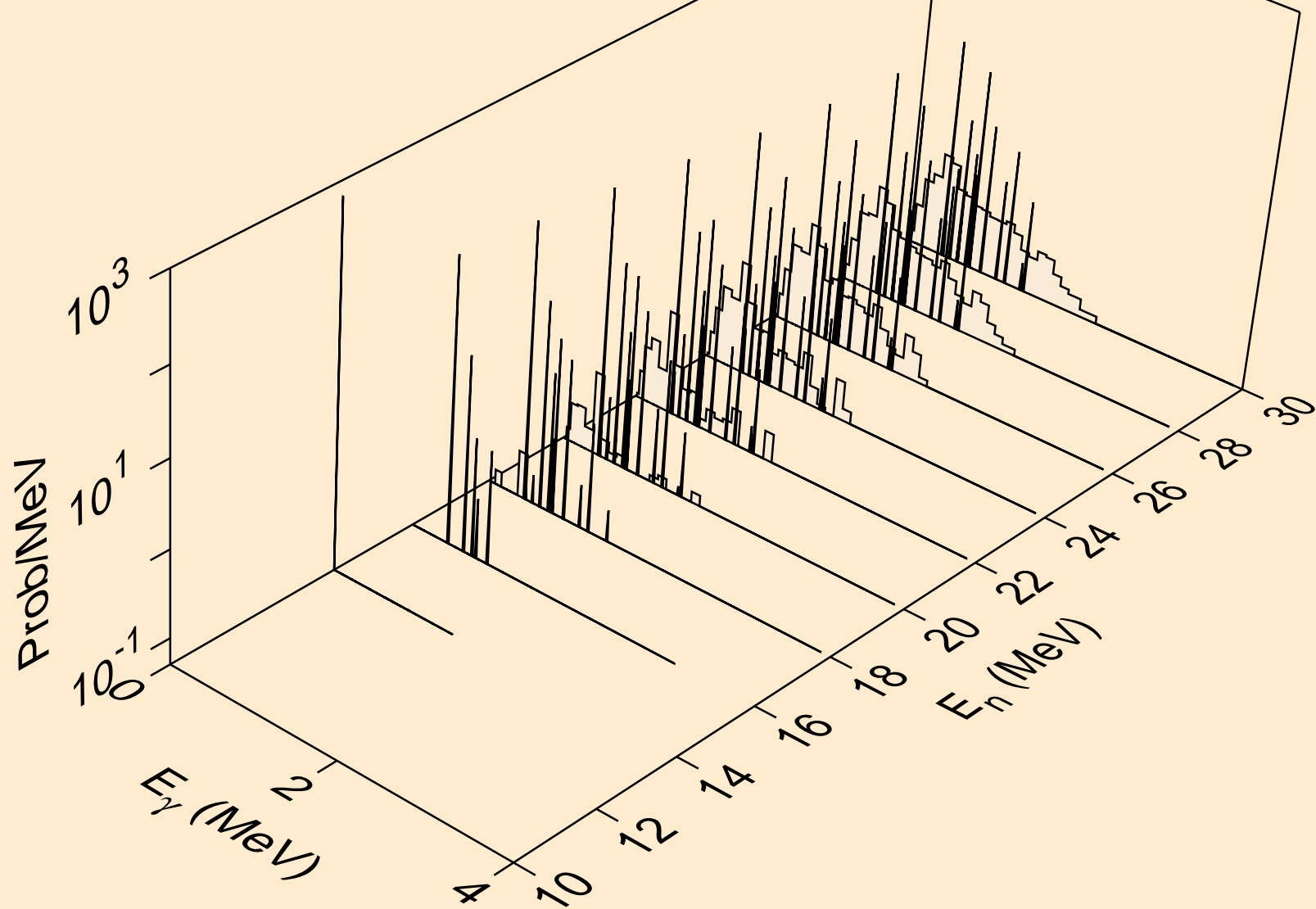
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

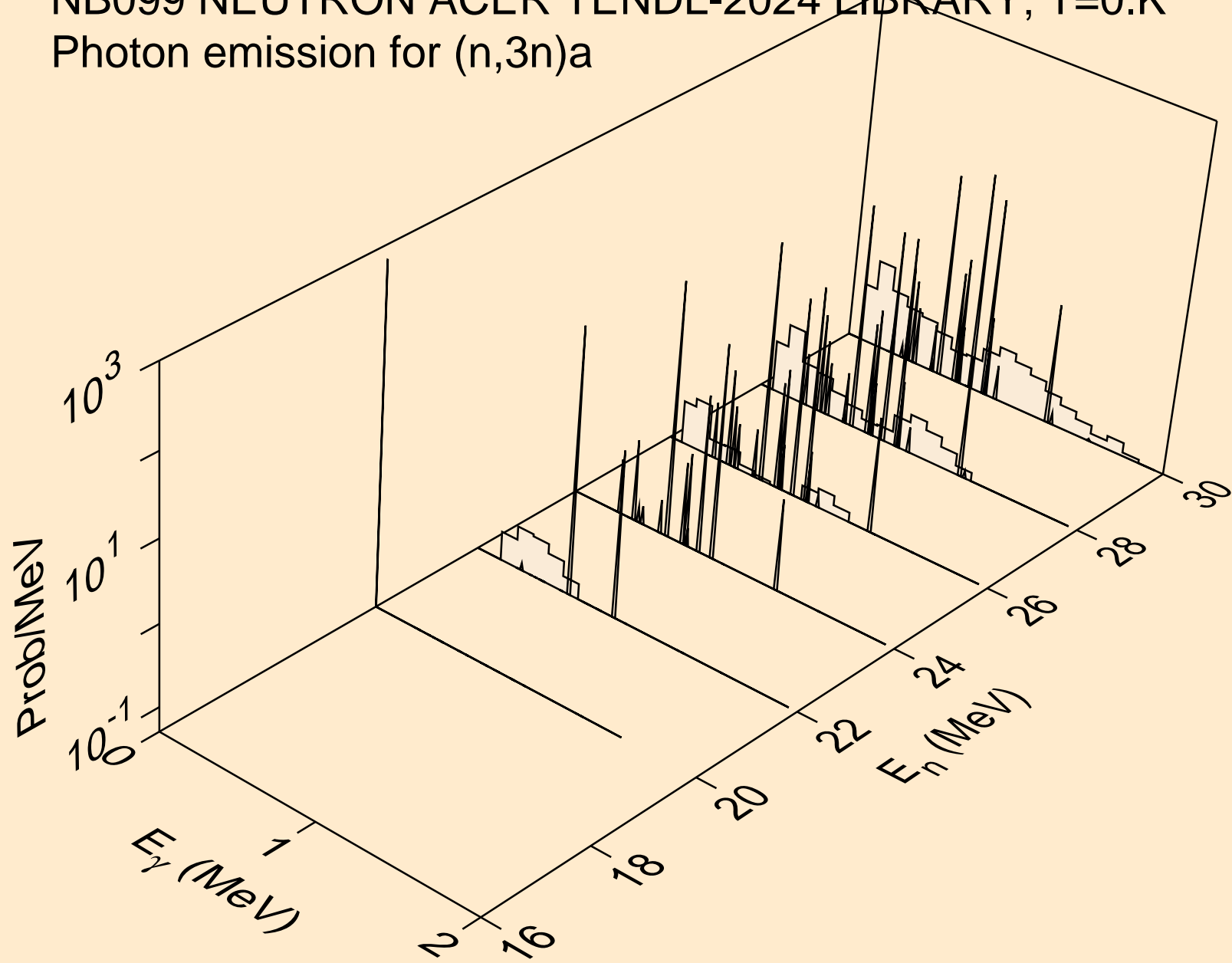


NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a

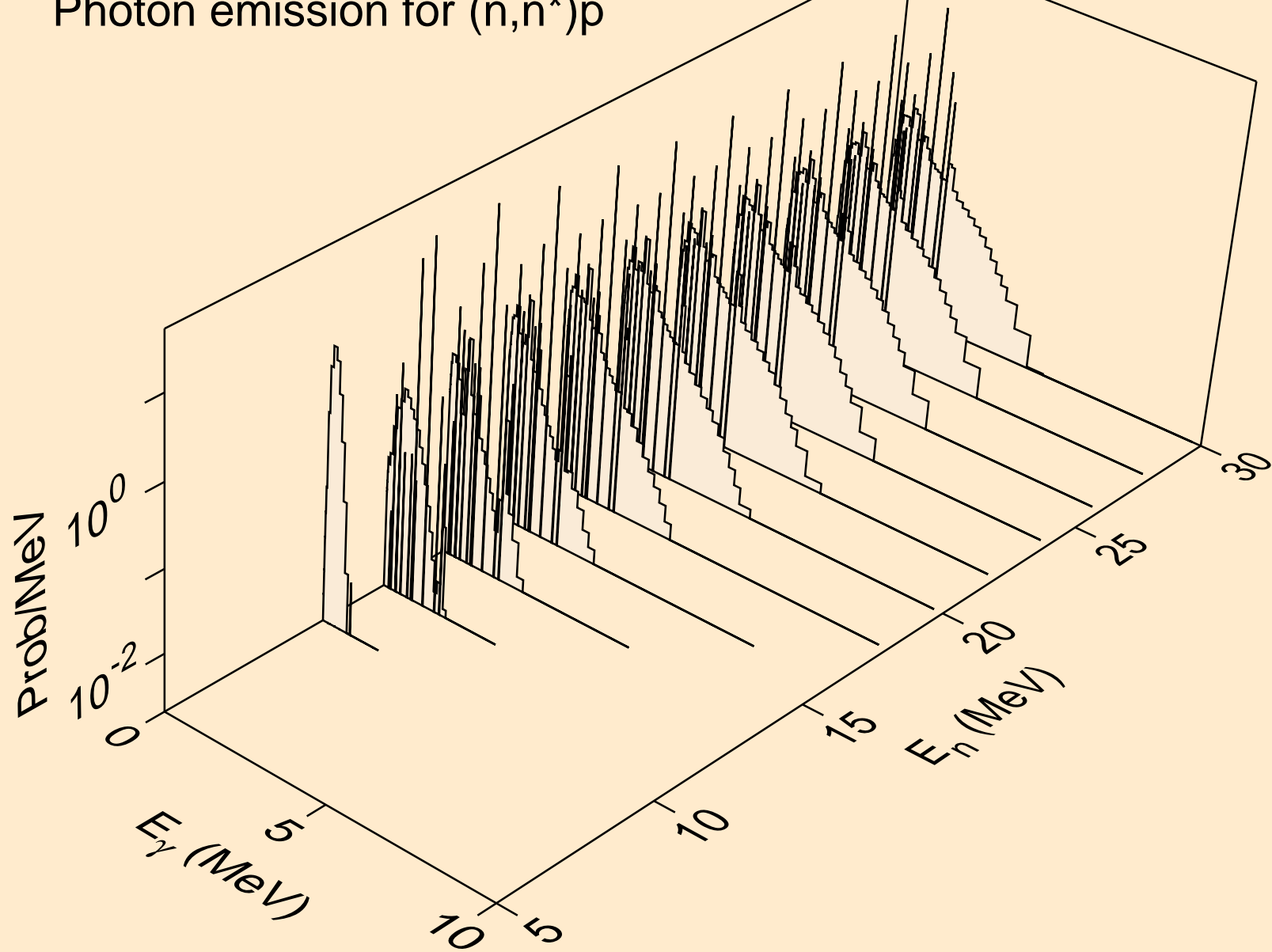




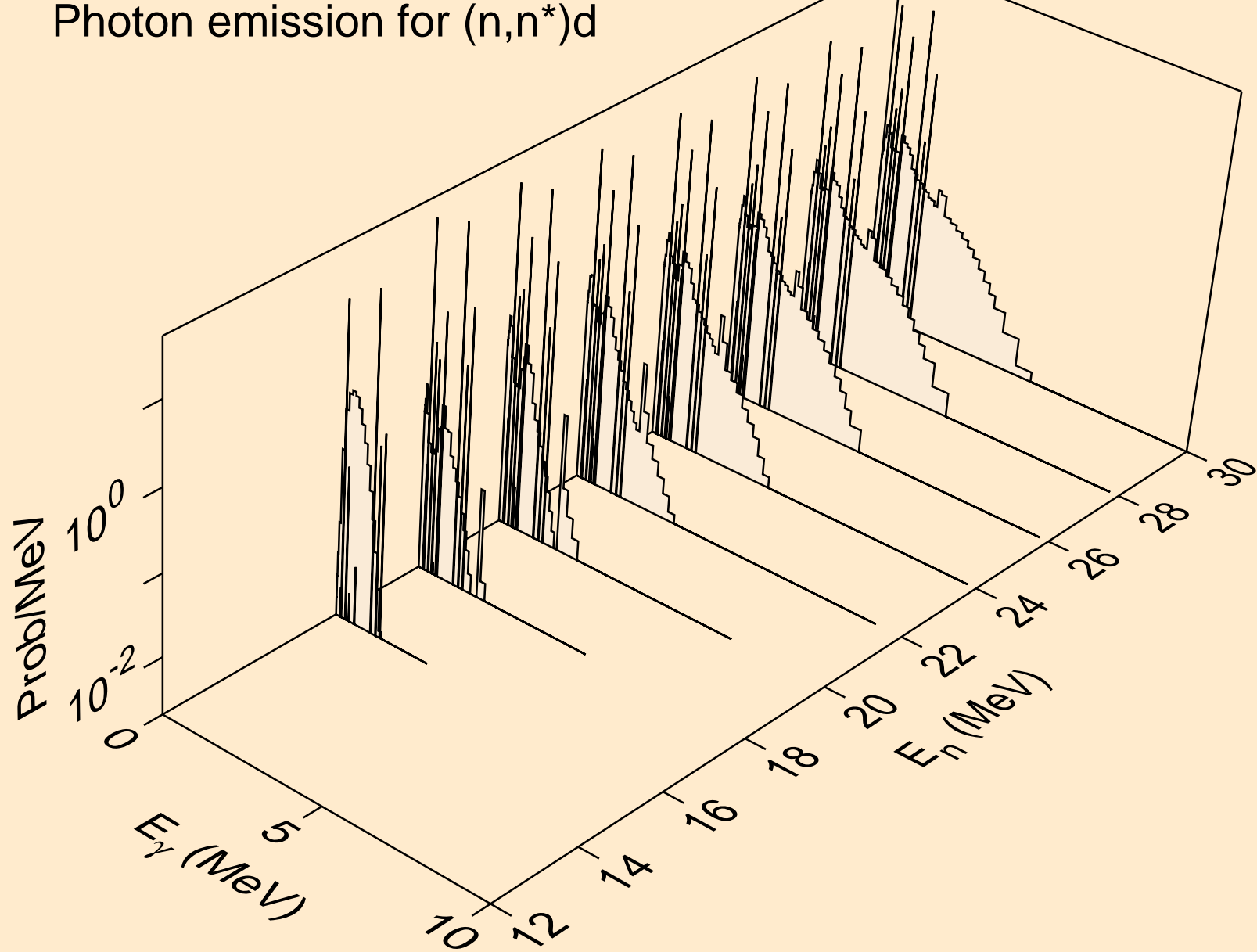
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a



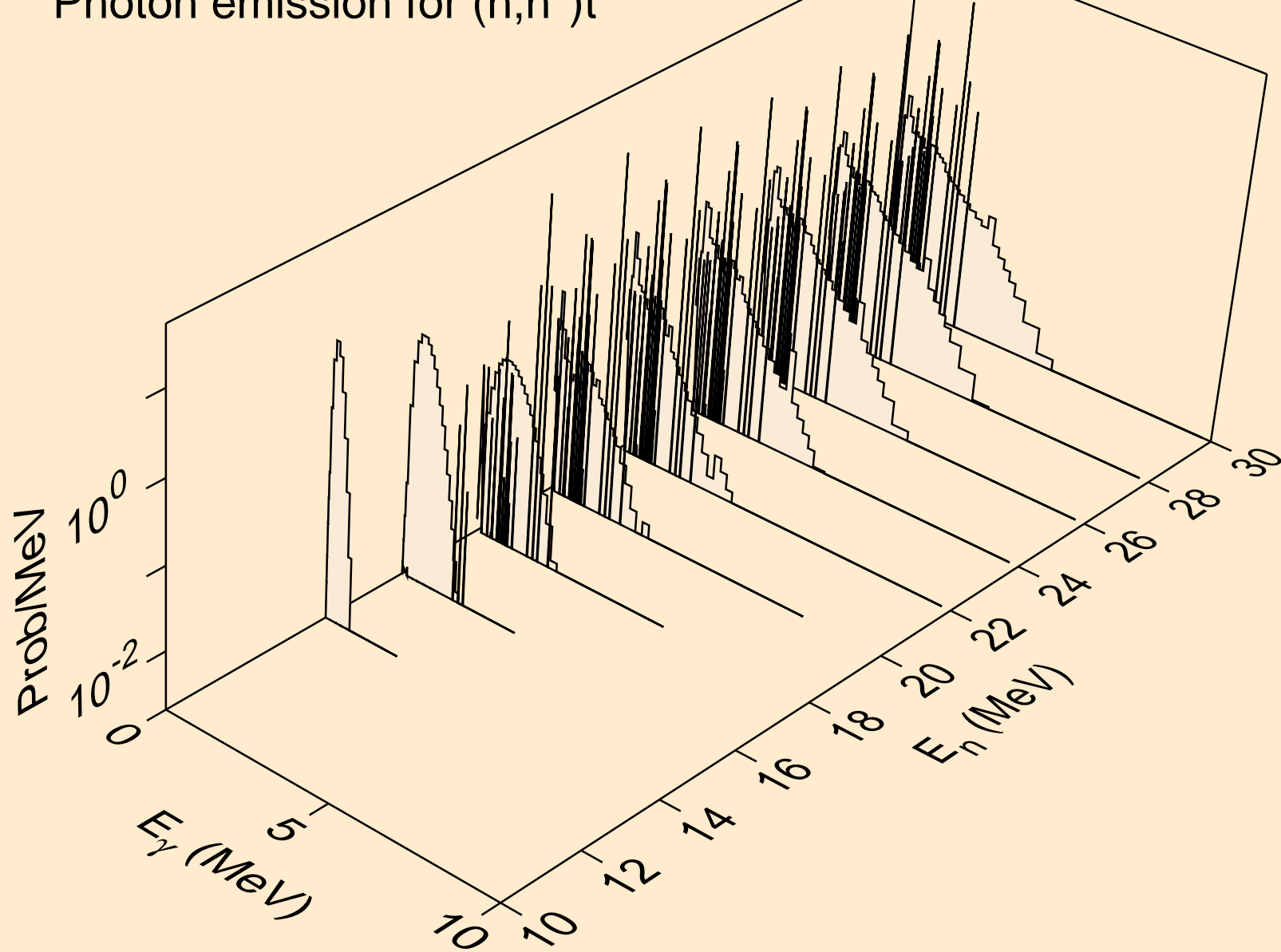
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



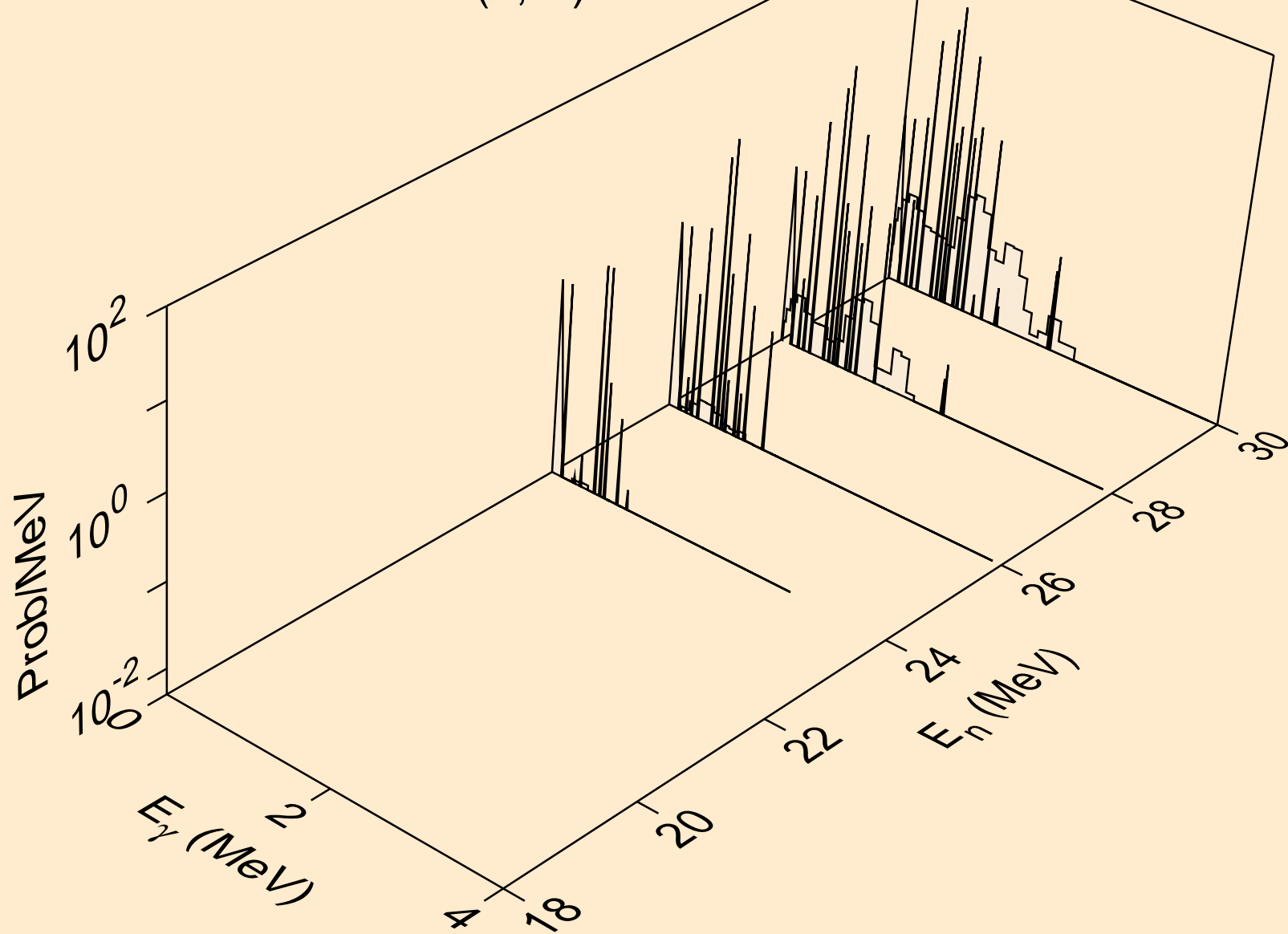
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



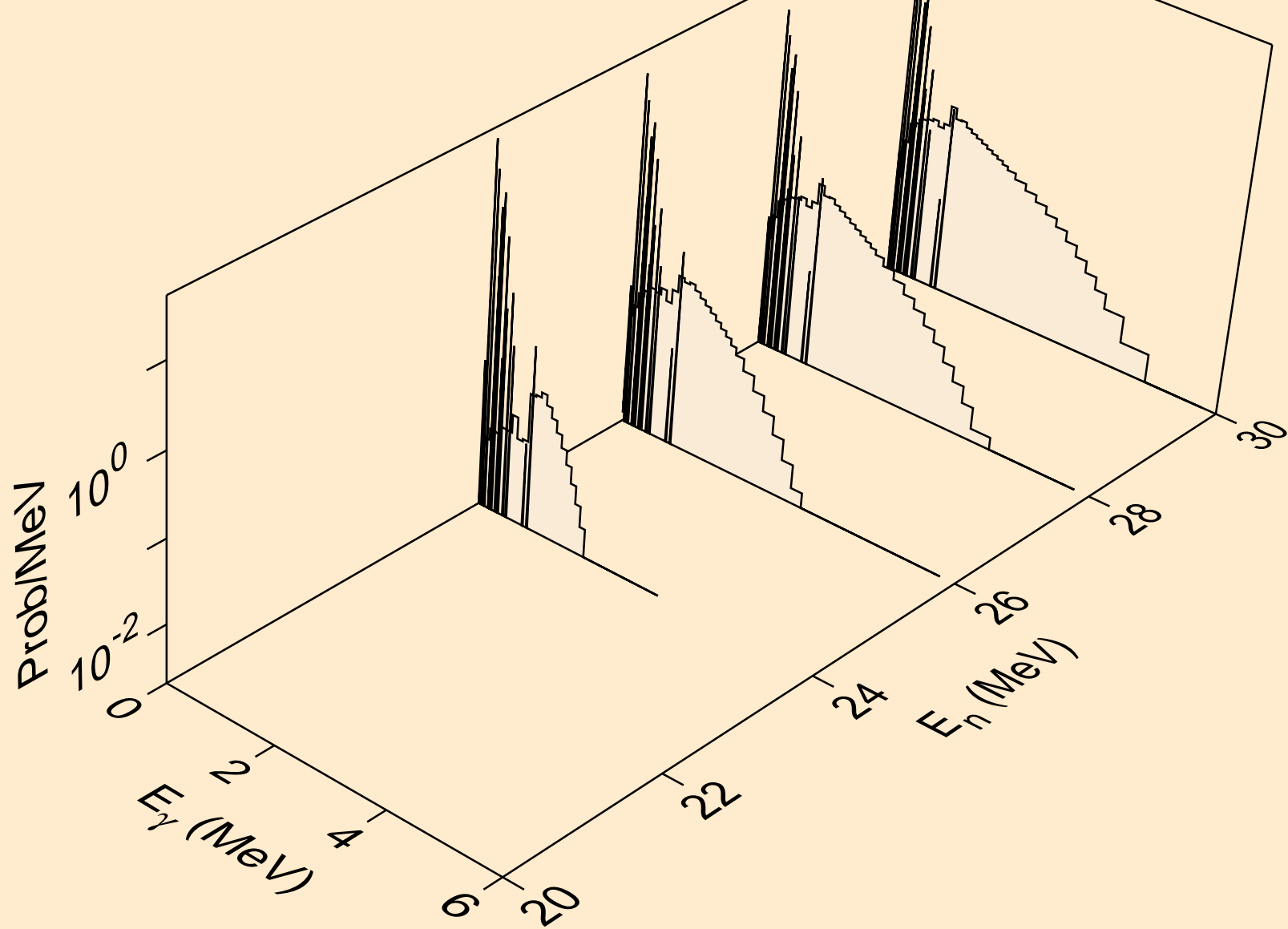
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Photon emission for (n,n\*)t



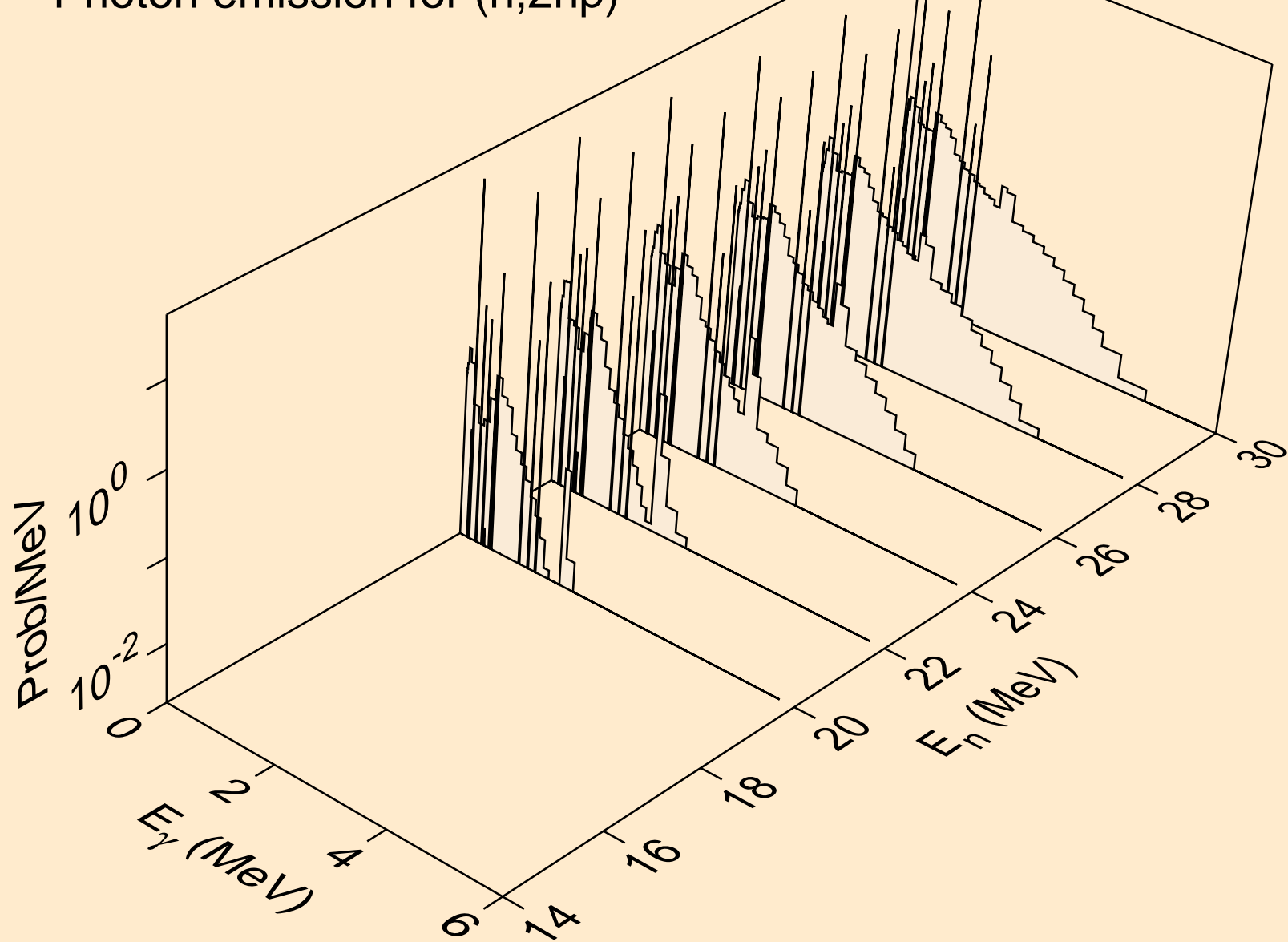
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



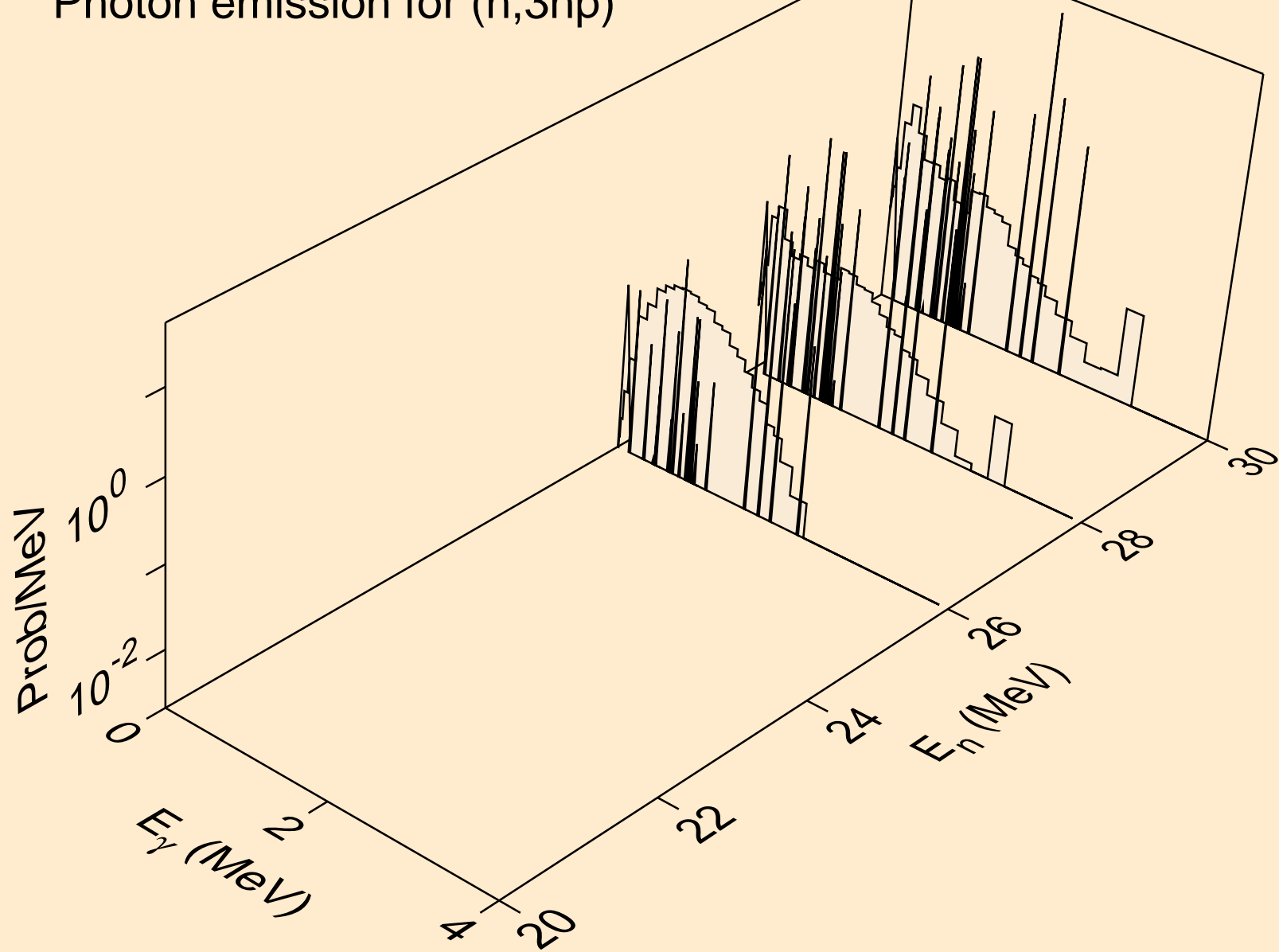
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)

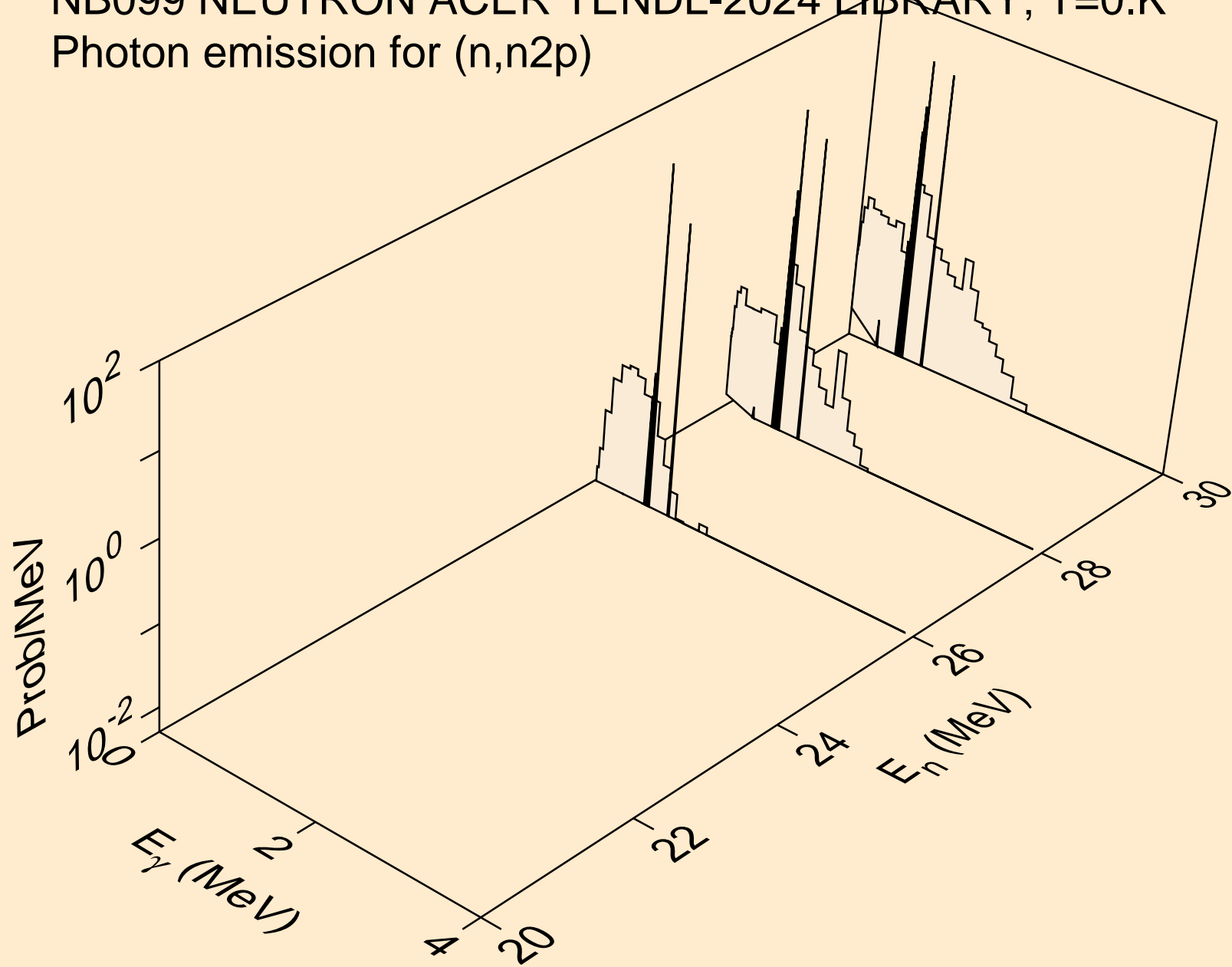


NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)

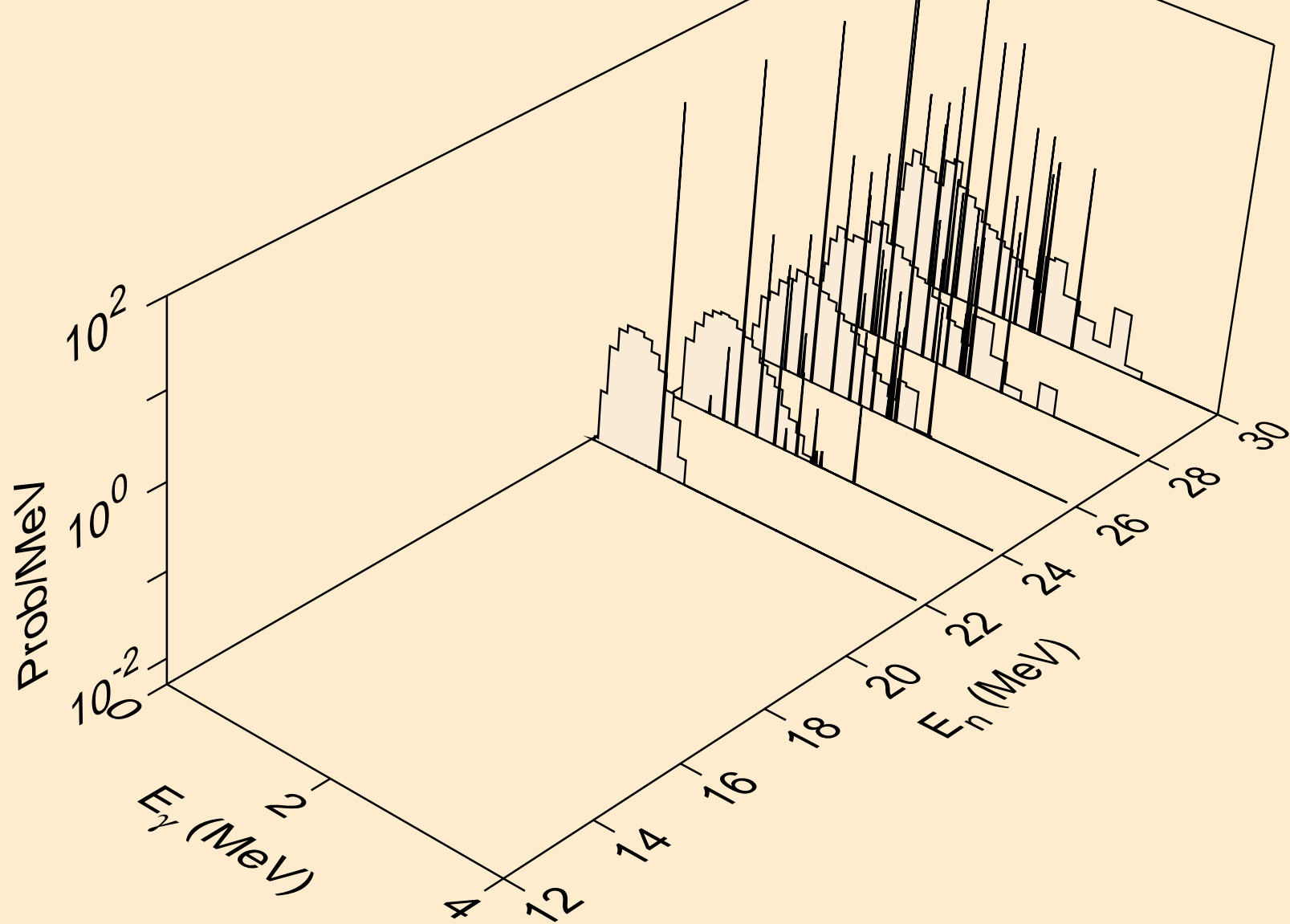




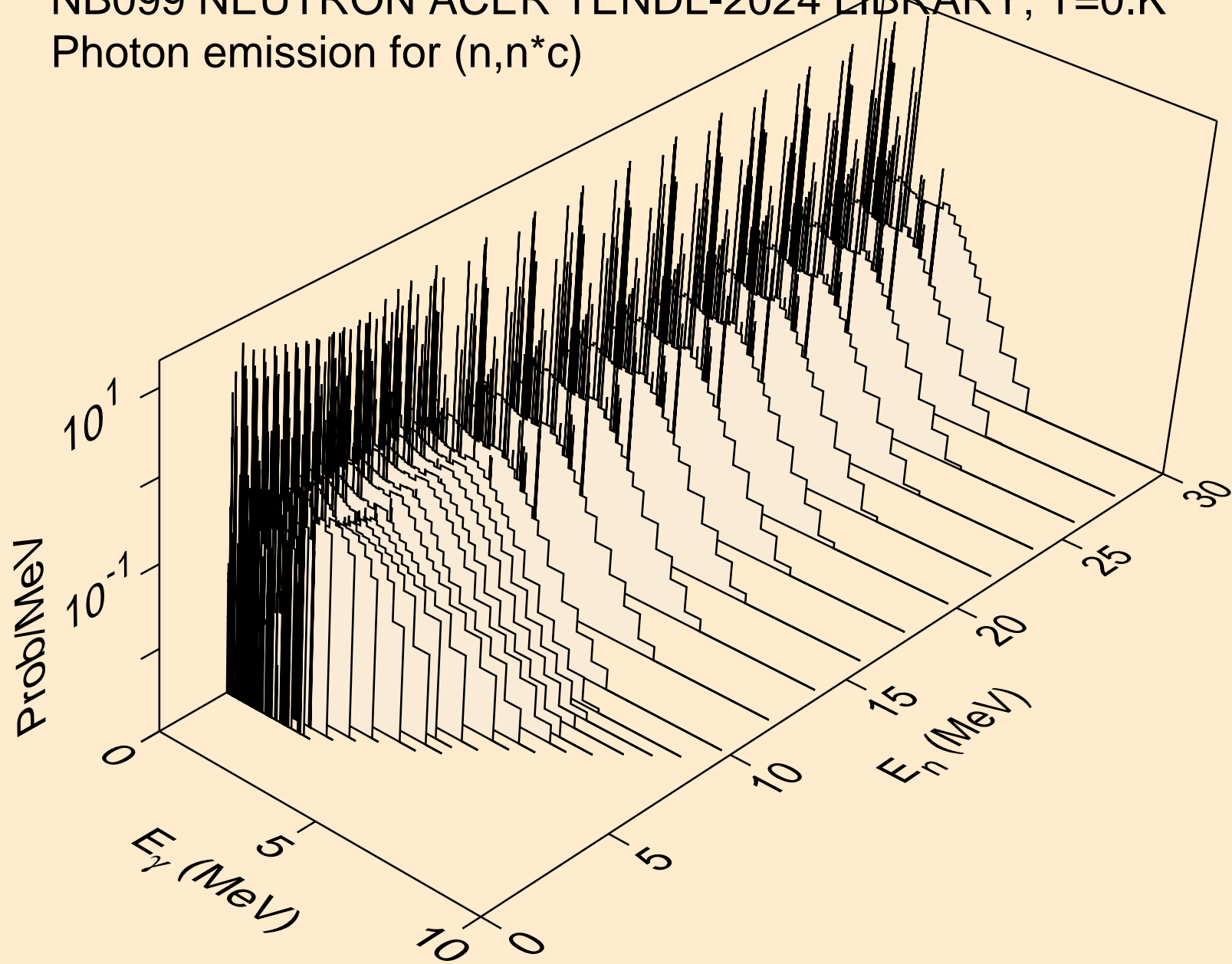
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Photon emission for (n,n2p)



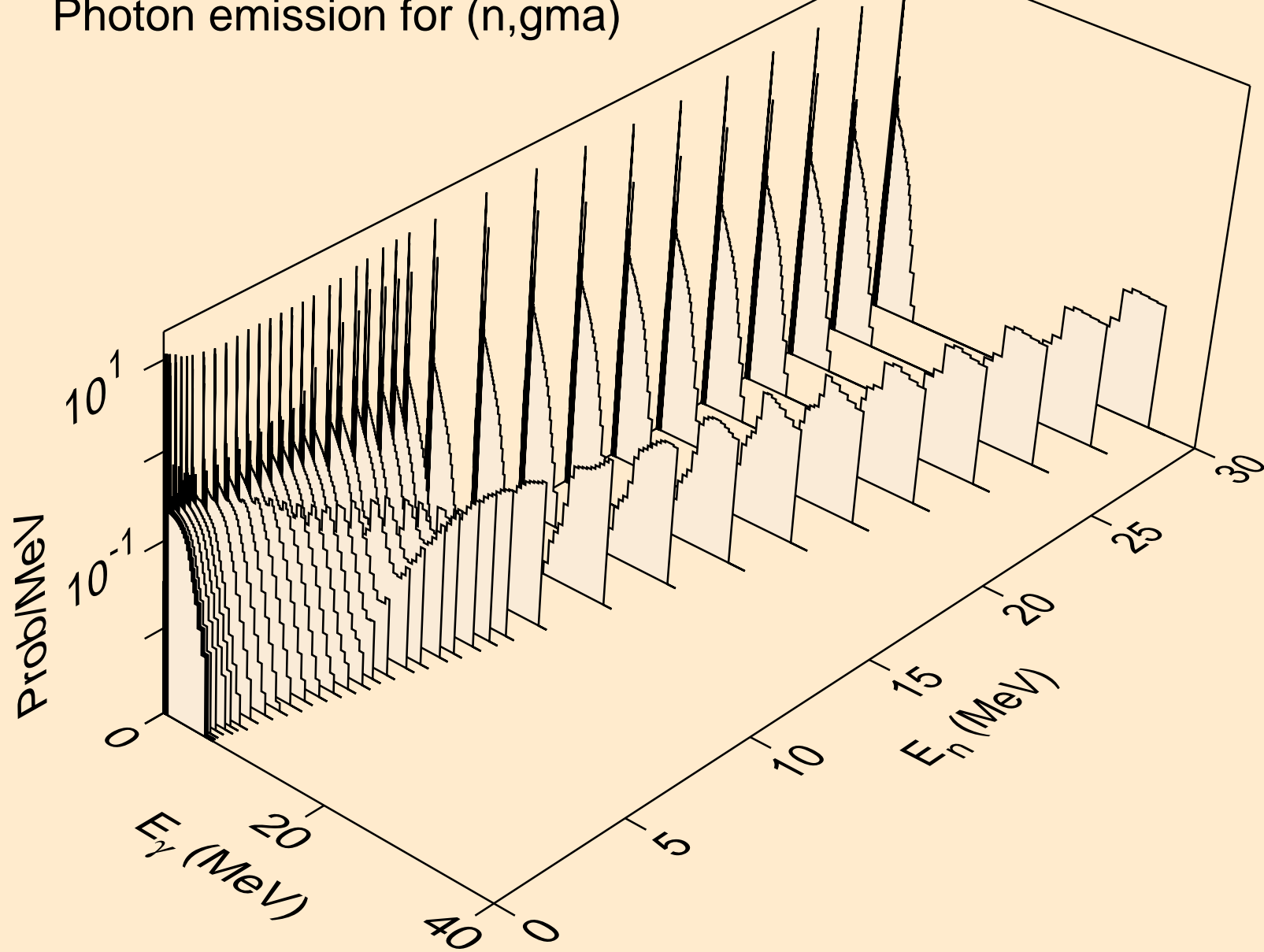
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Photon emission for (n,npa)



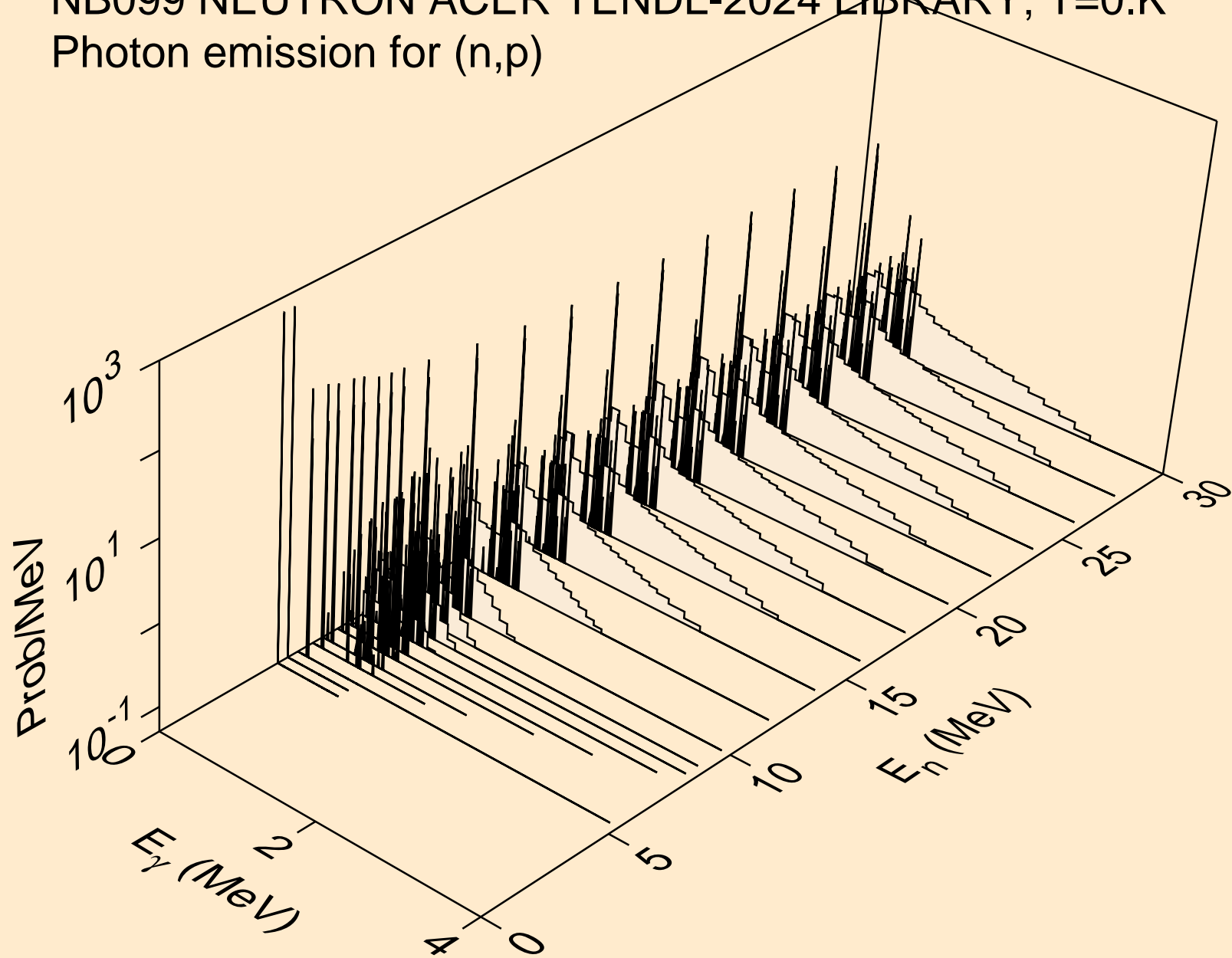
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Photon emission for (n,n\*c)



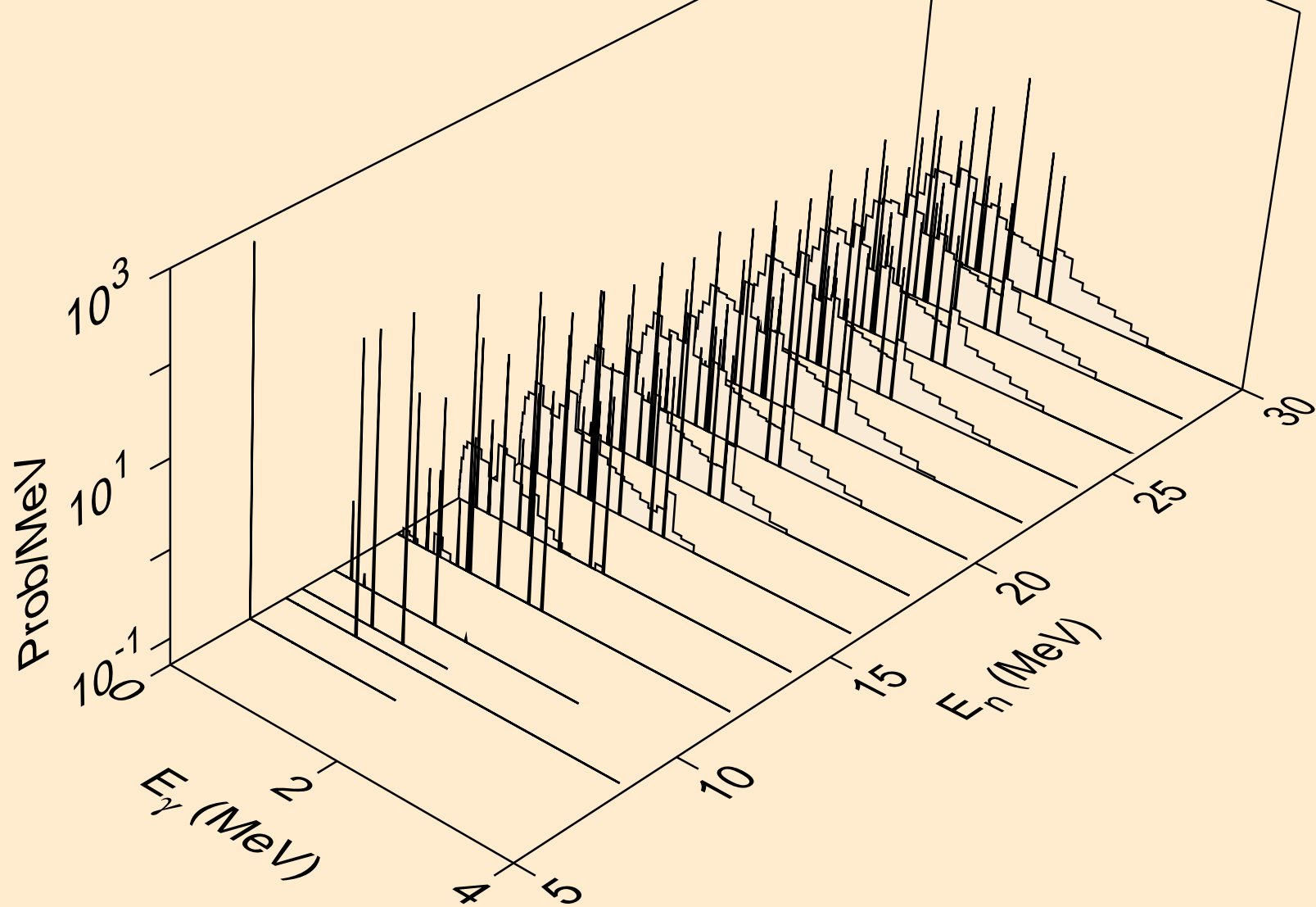
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Photon emission for (n,gma)



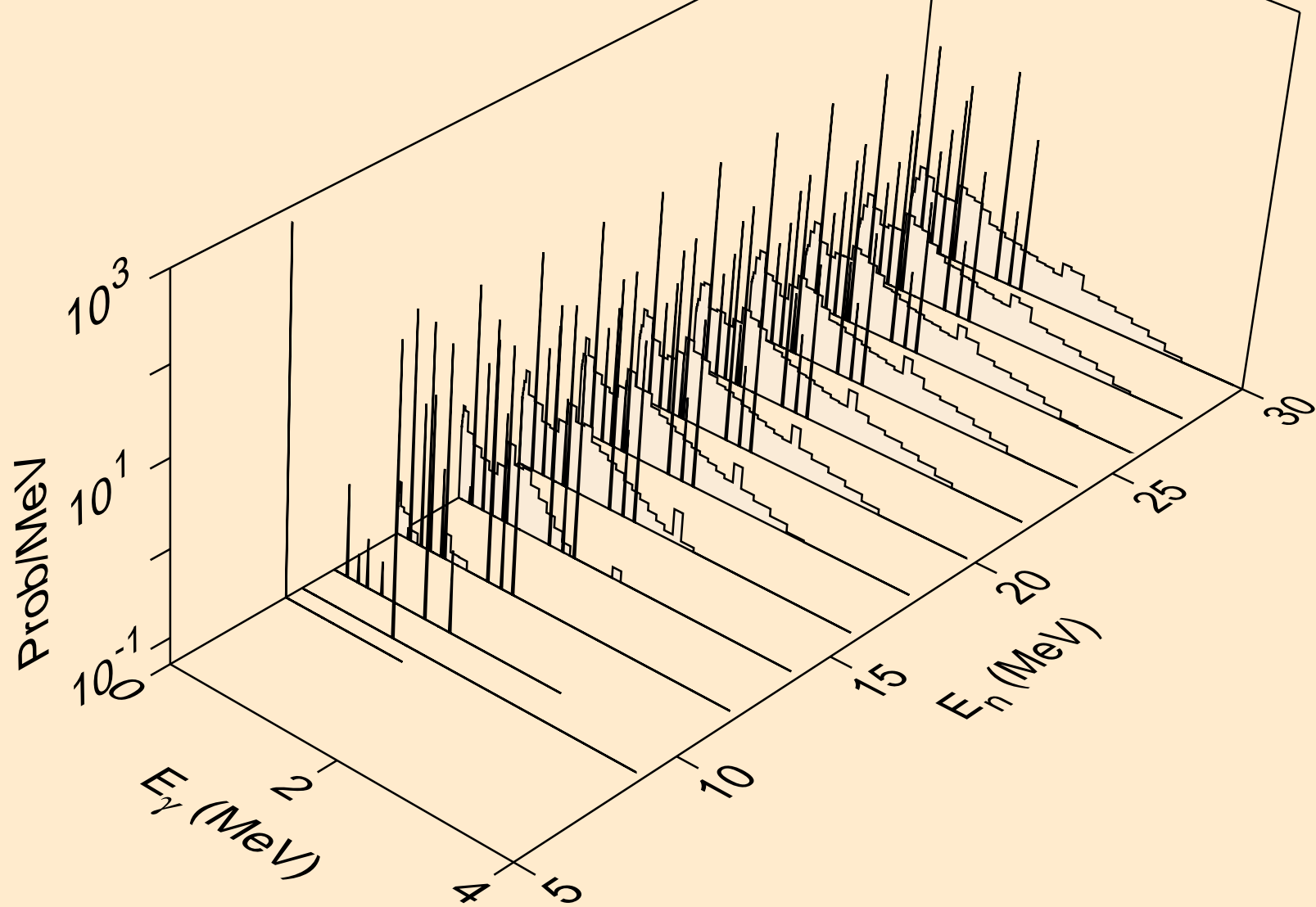
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Photon emission for (n,p)



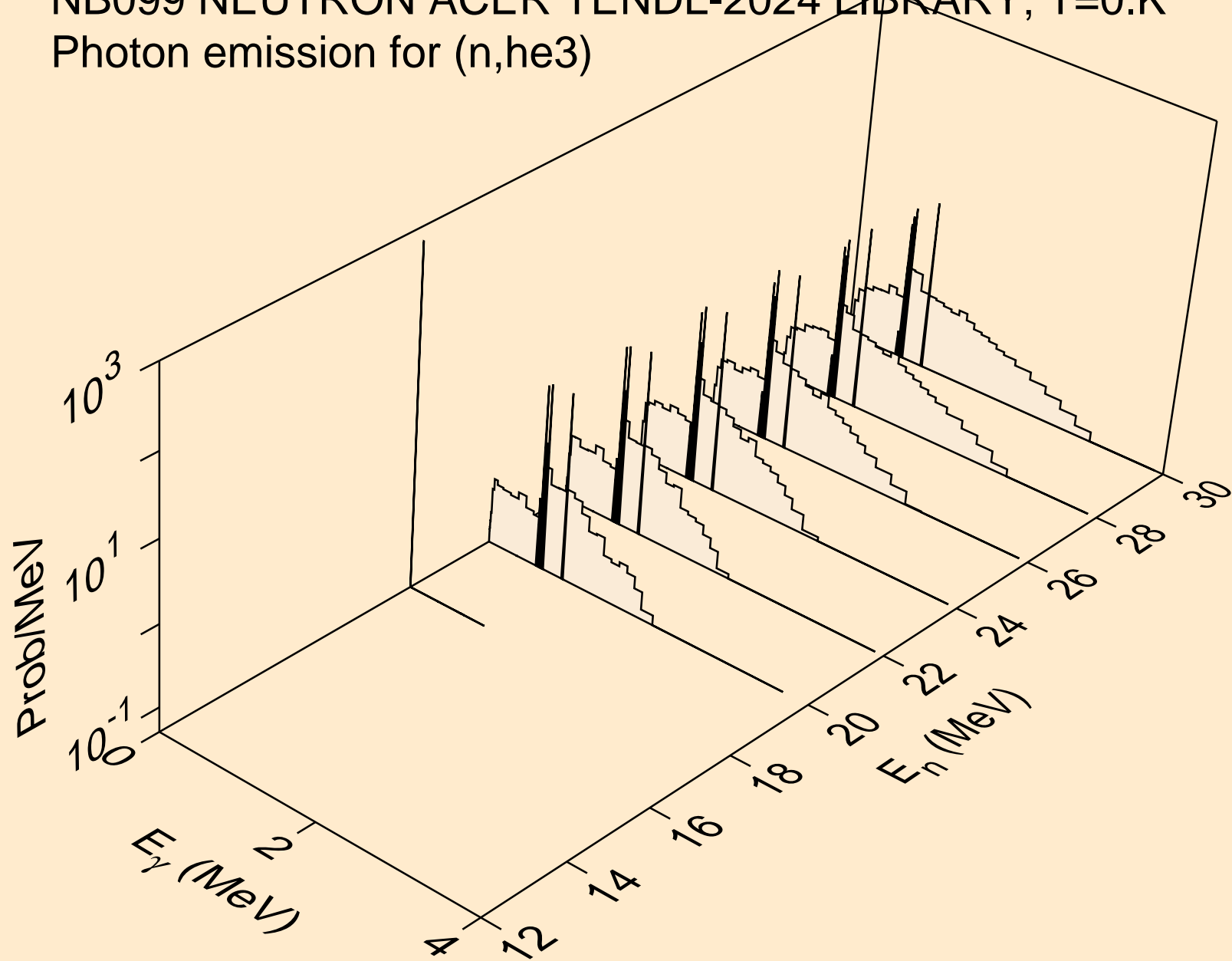
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)

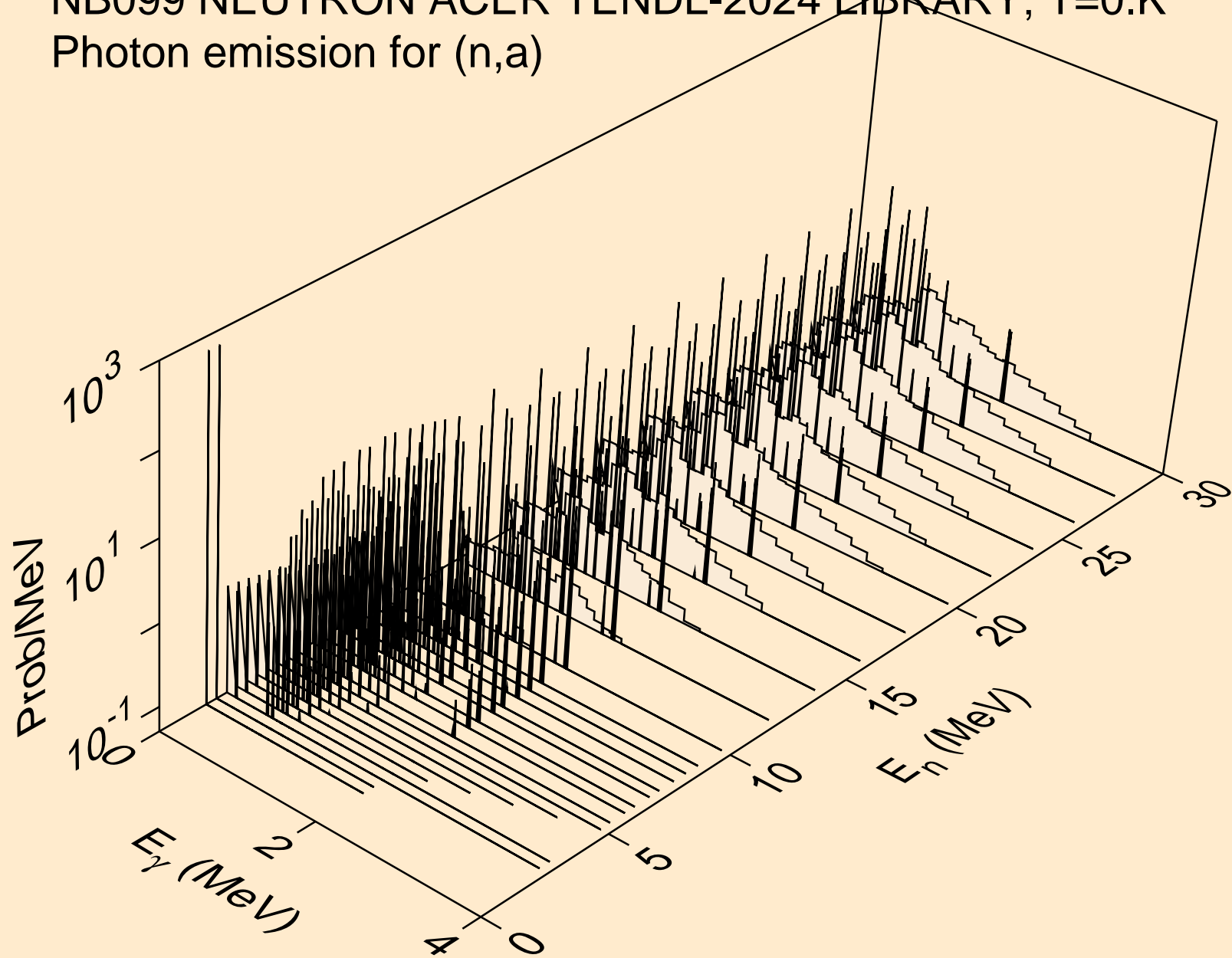


NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)

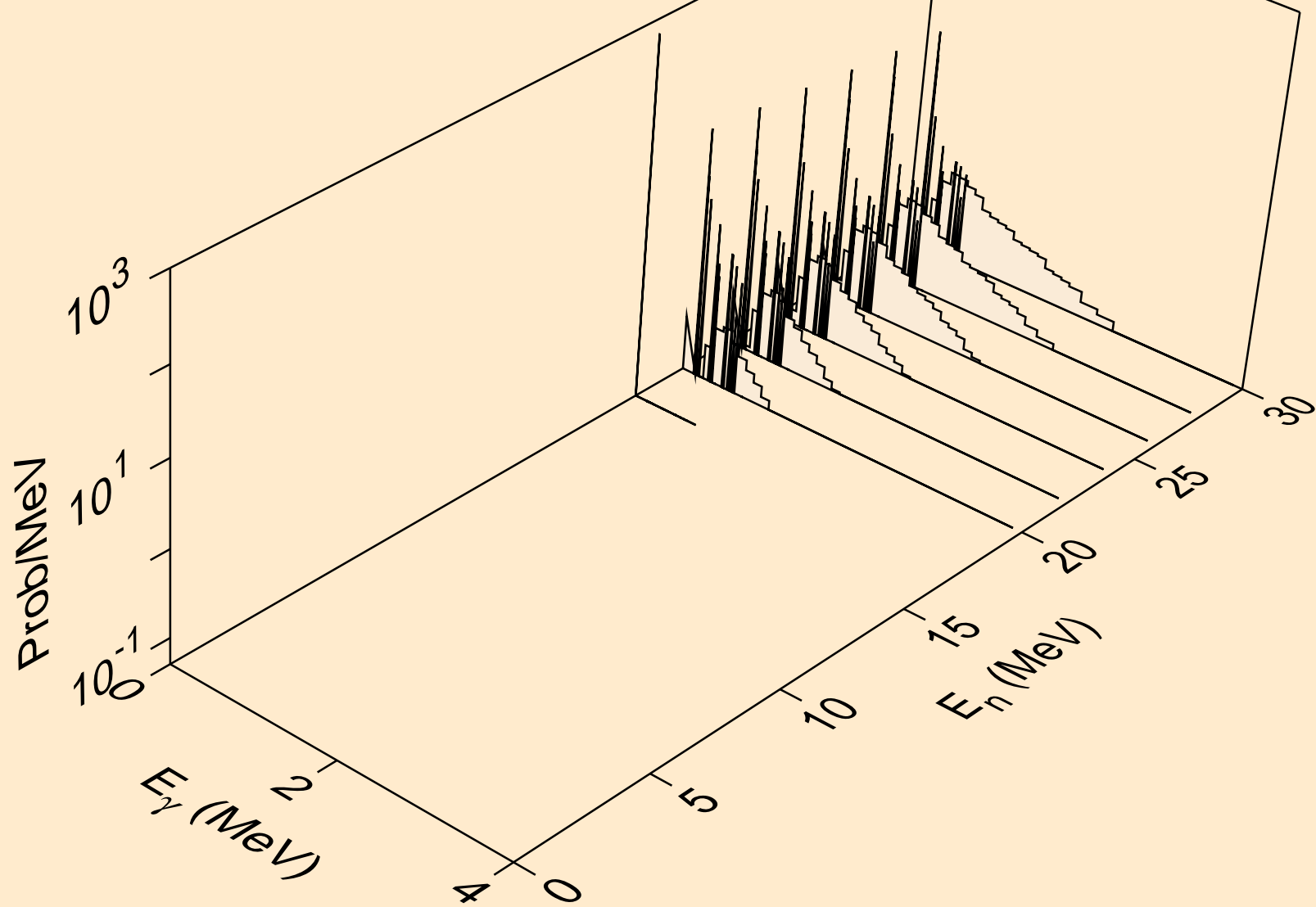




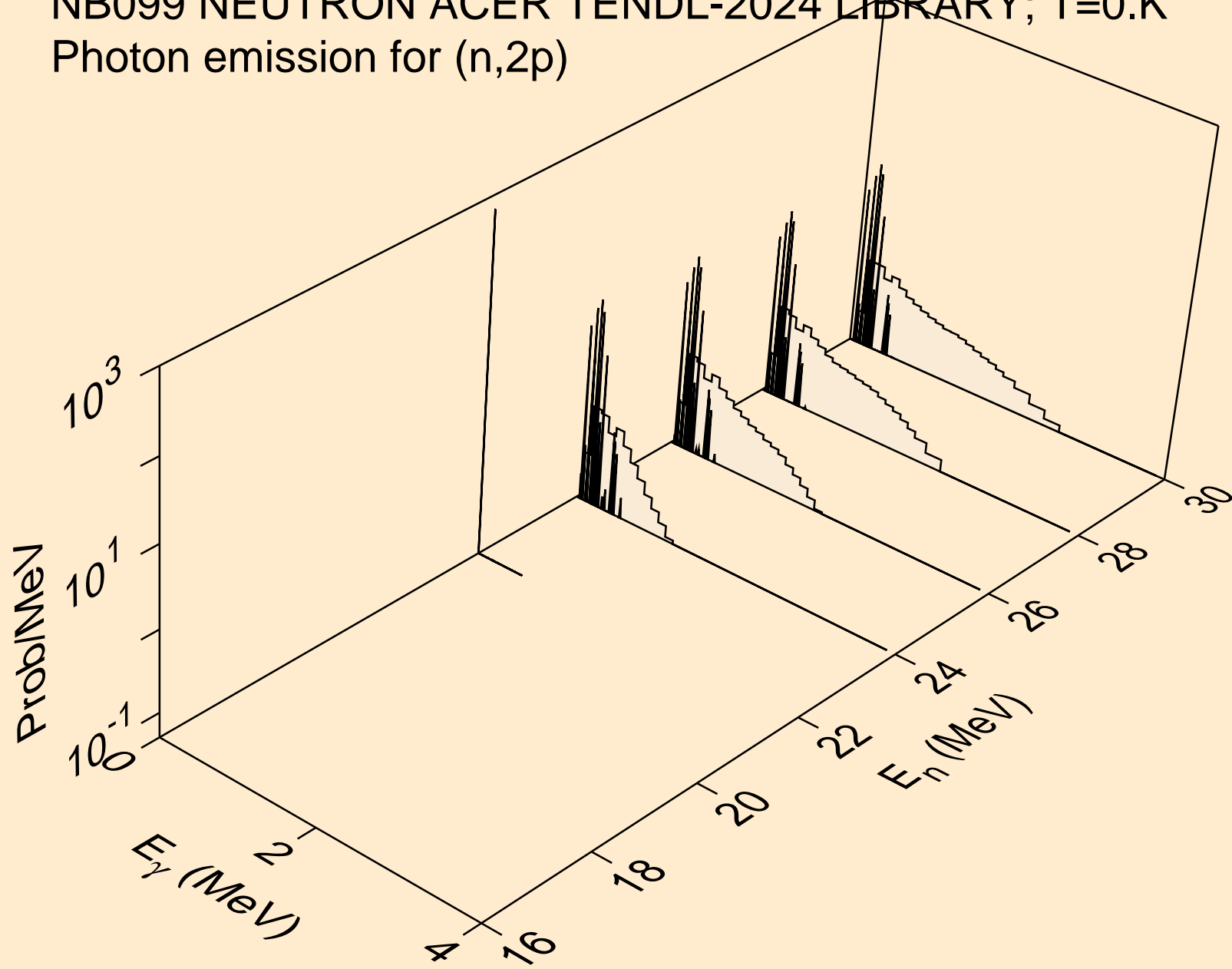
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Photon emission for (n,a)



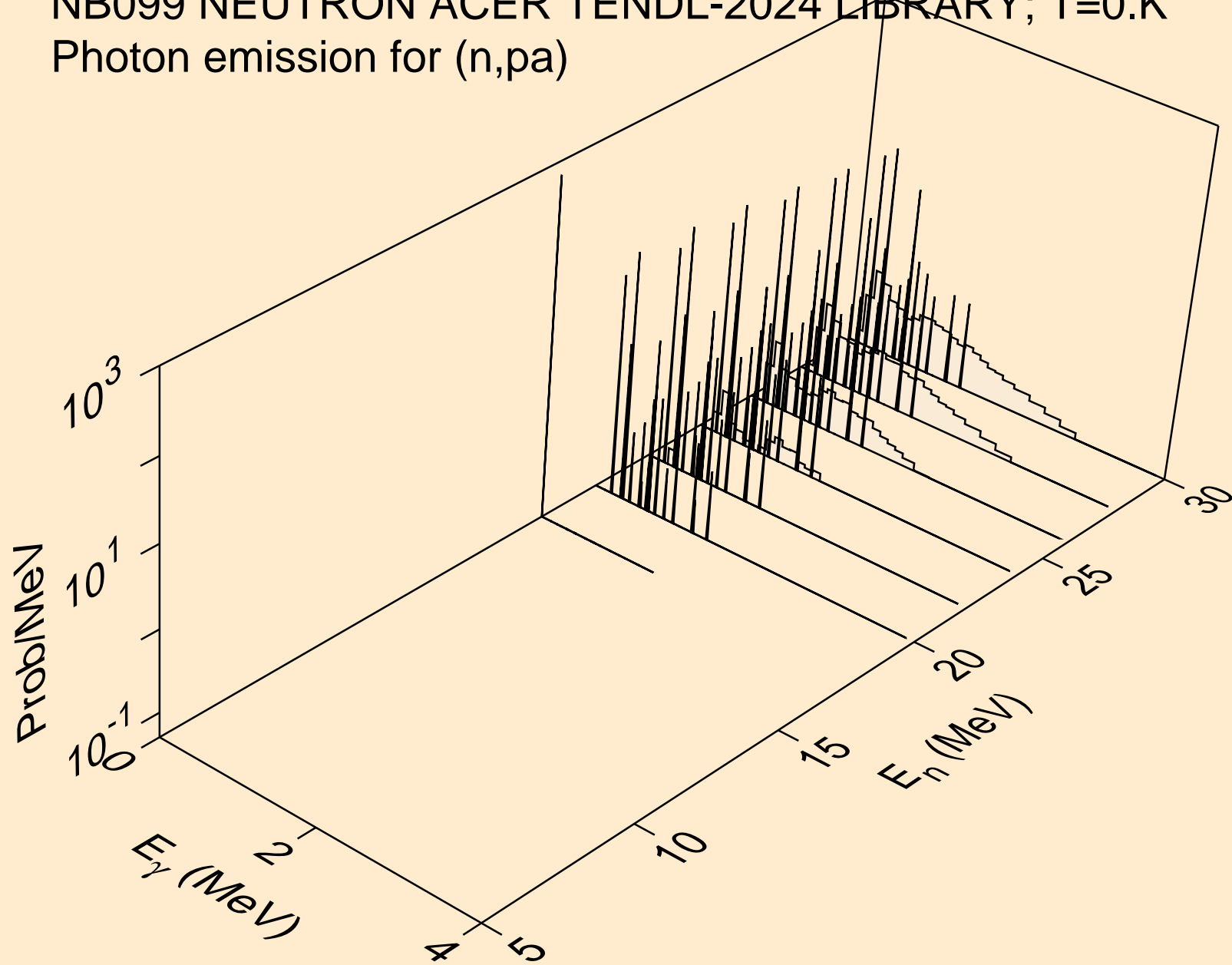
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Photon emission for (n,2a)



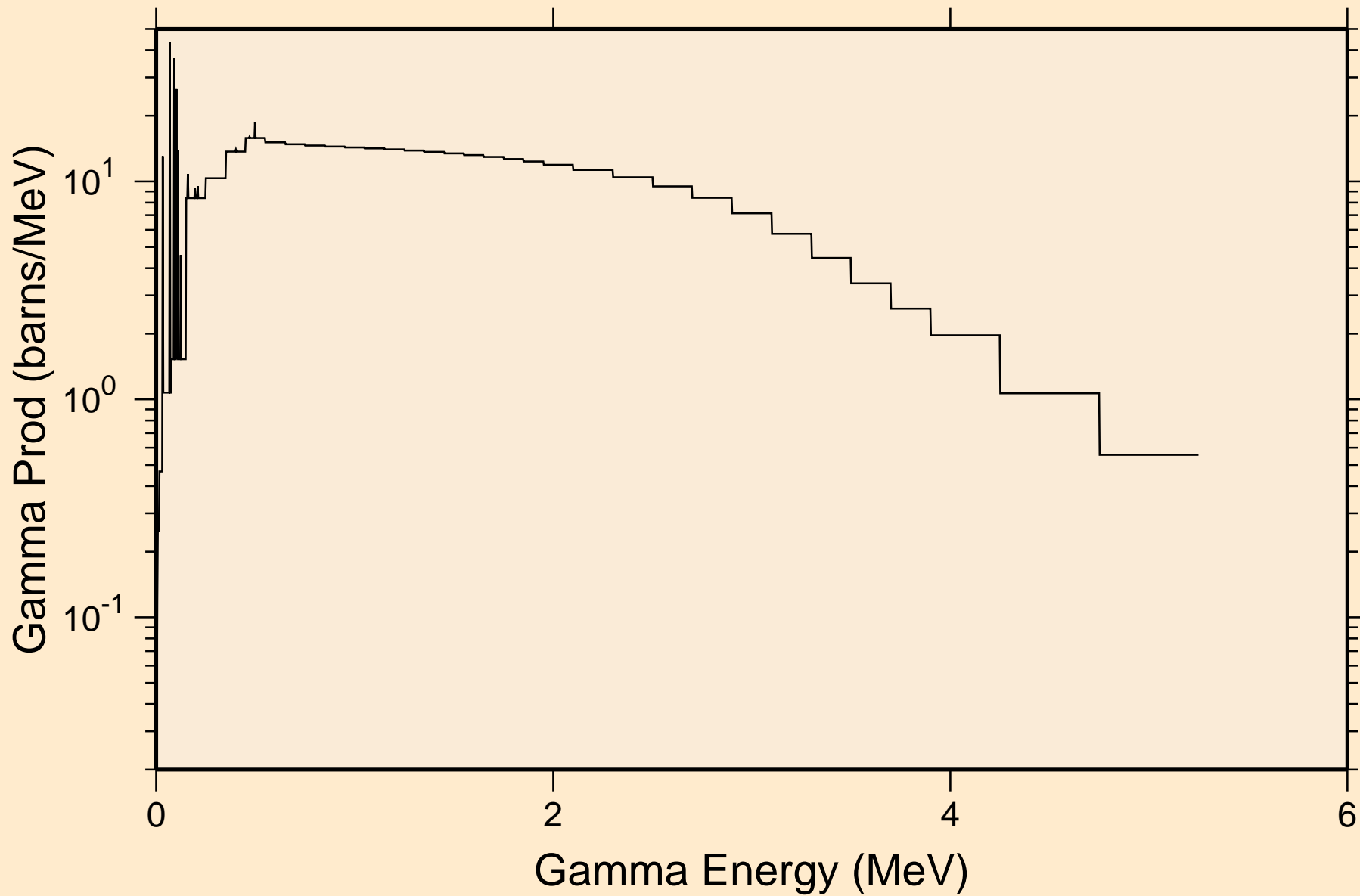
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Photon emission for (n,2p)



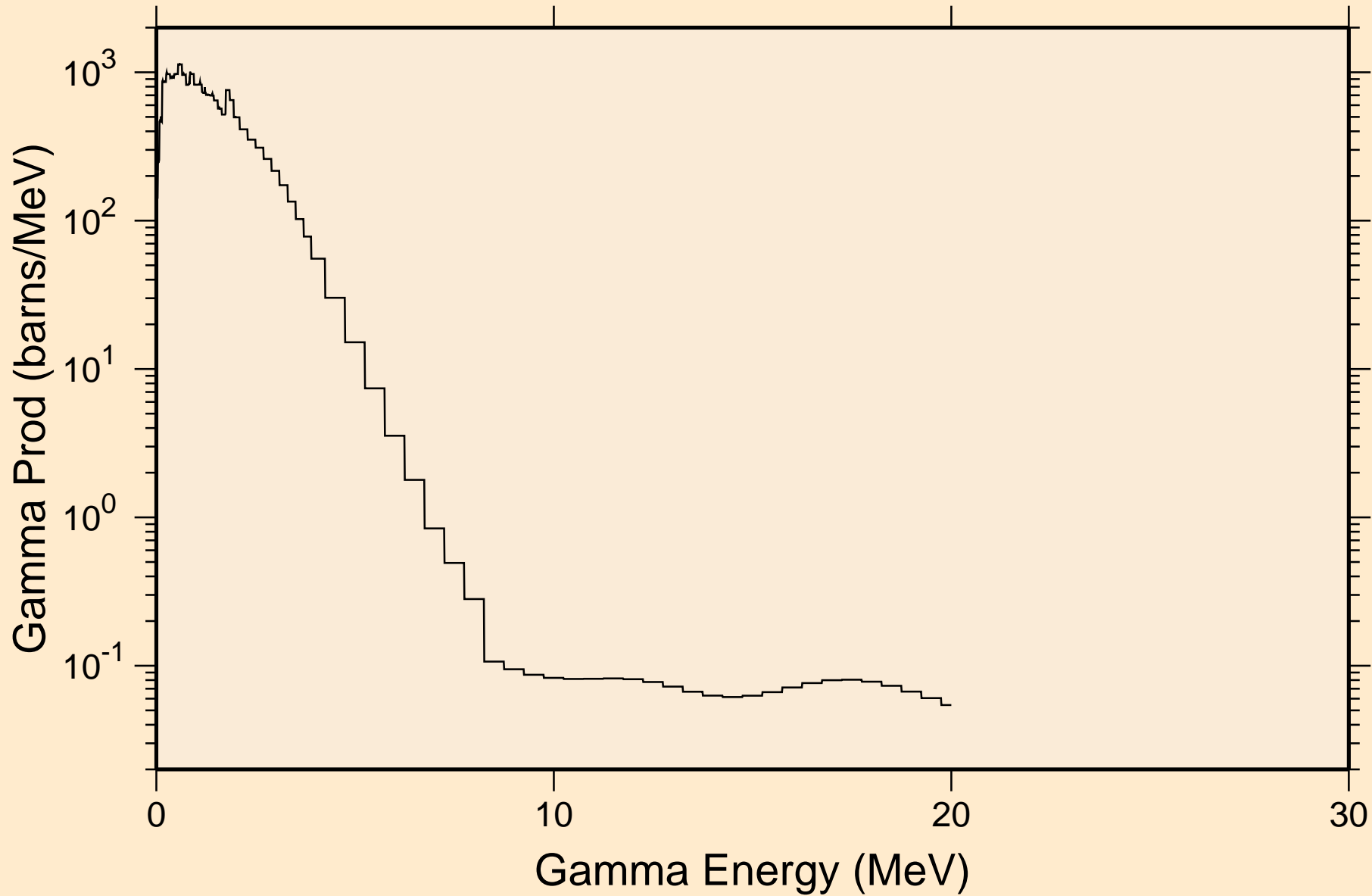
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

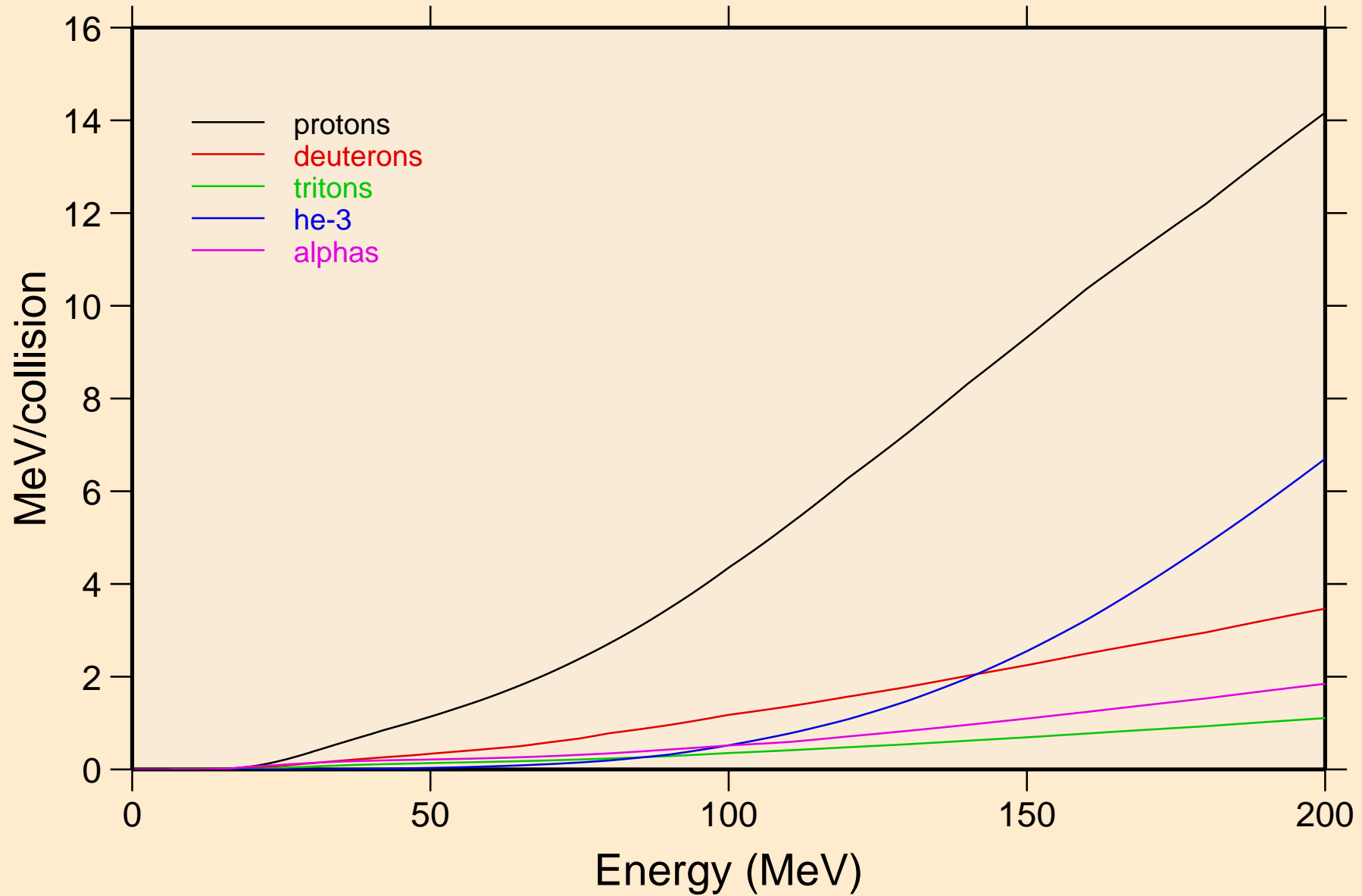


NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum

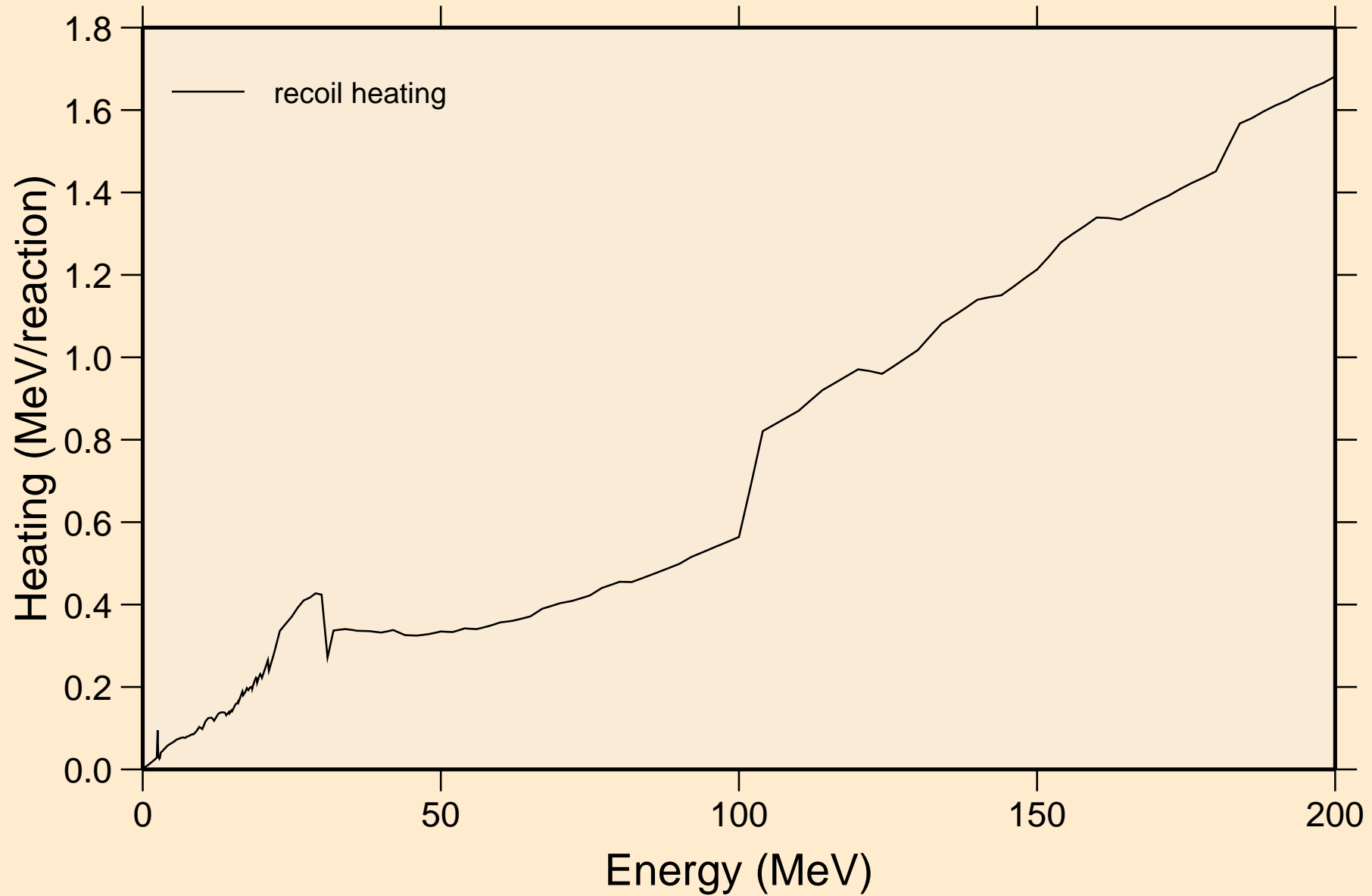


# NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions



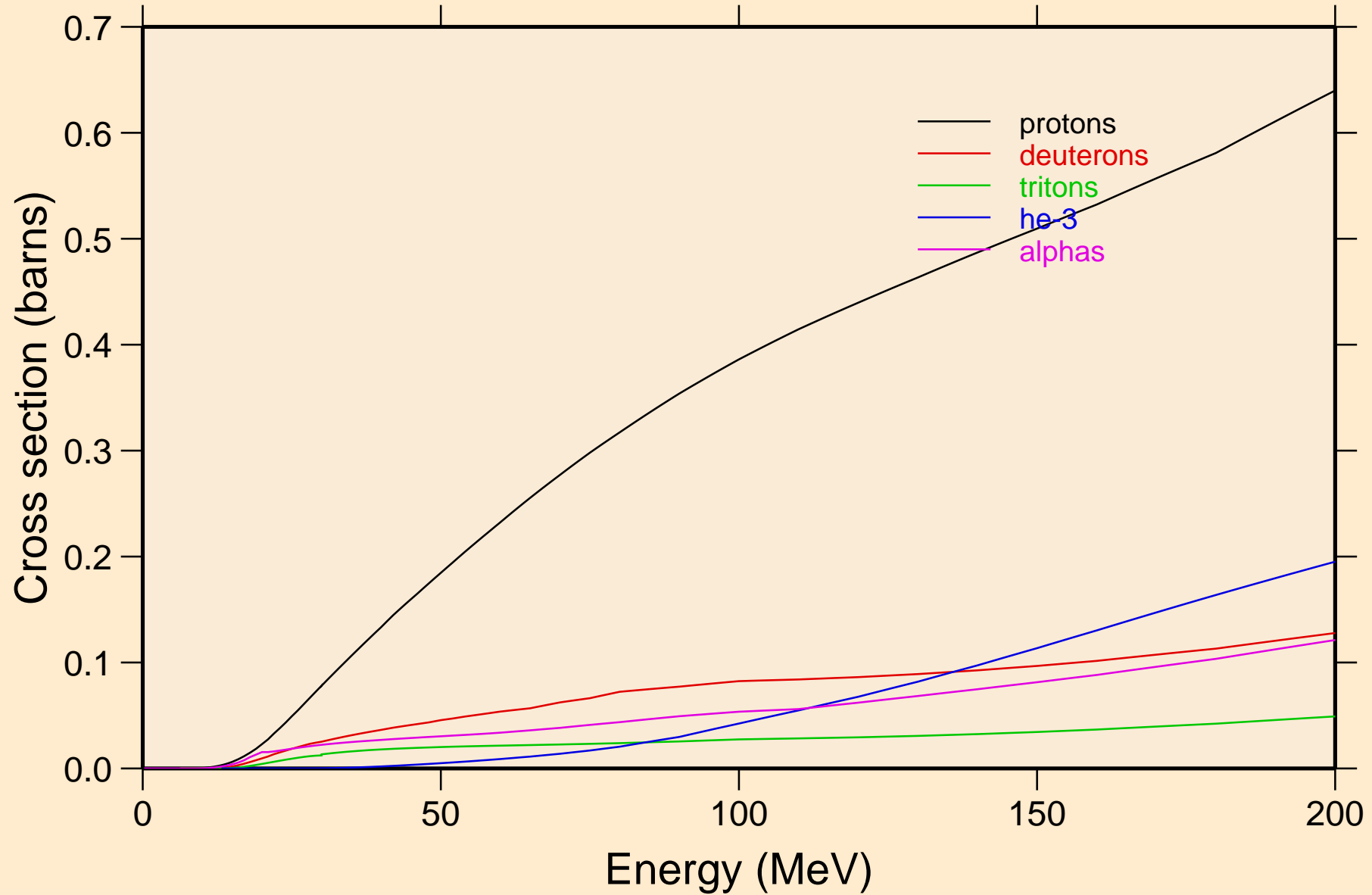
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating



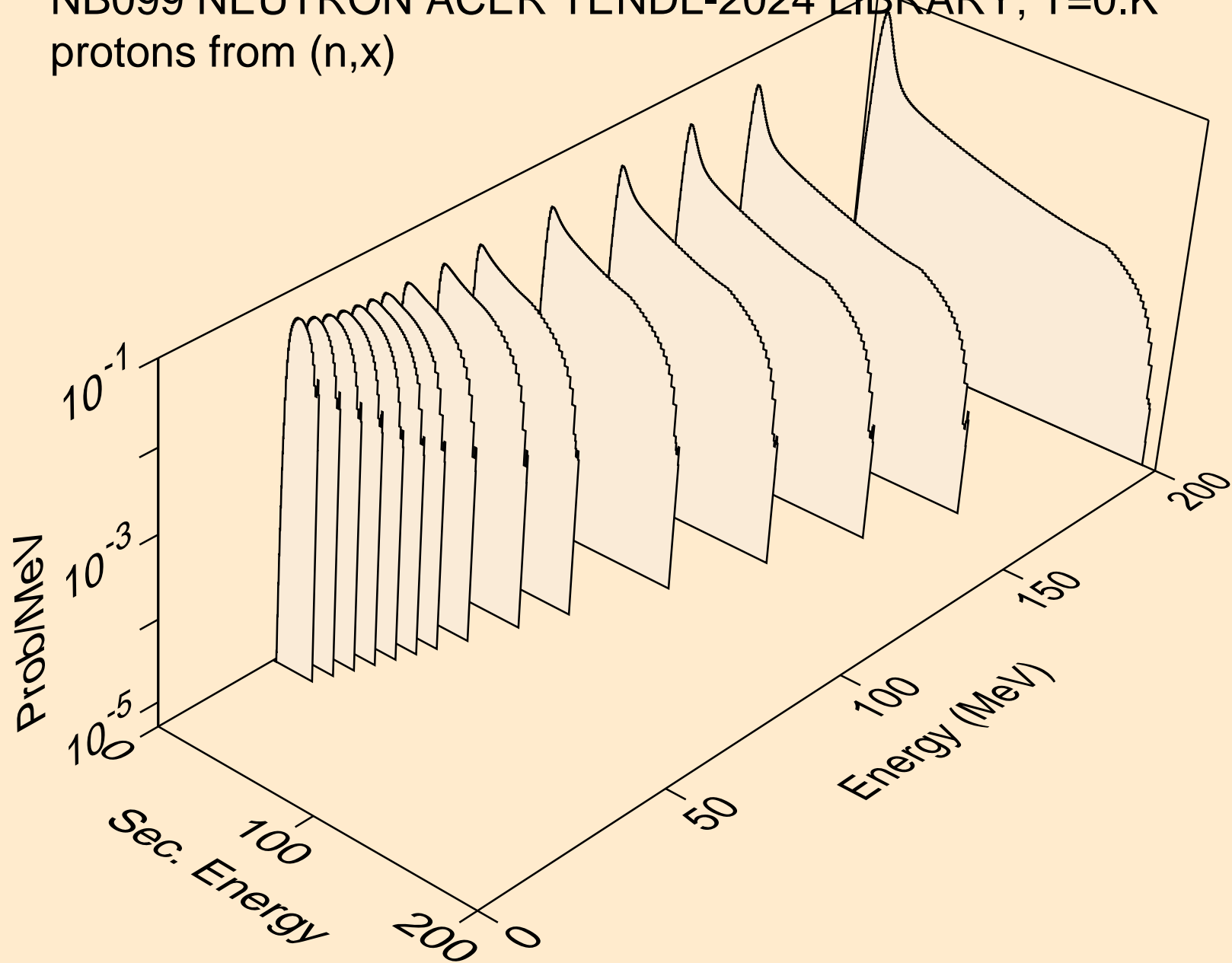


# NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

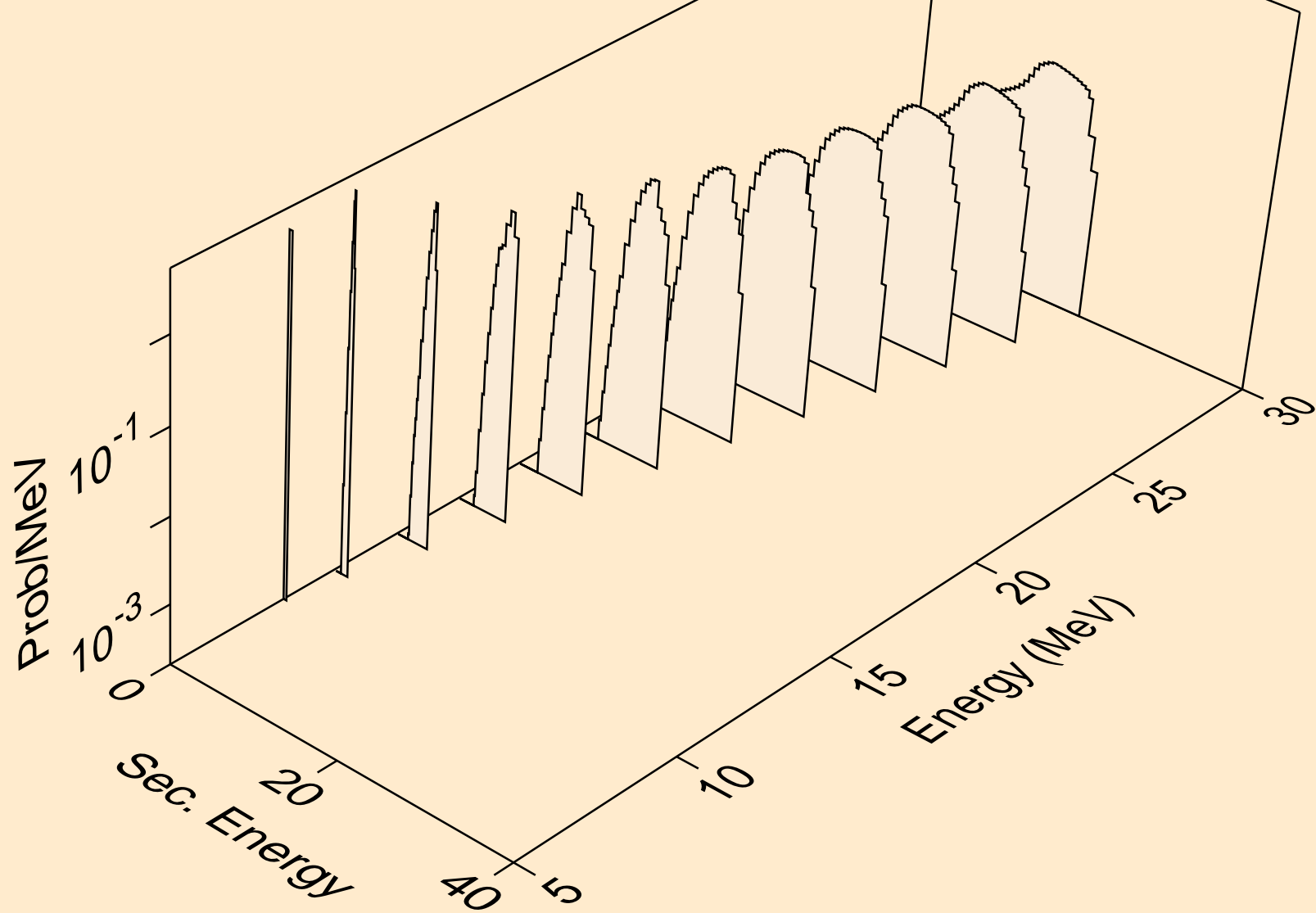
## Particle production cross sections



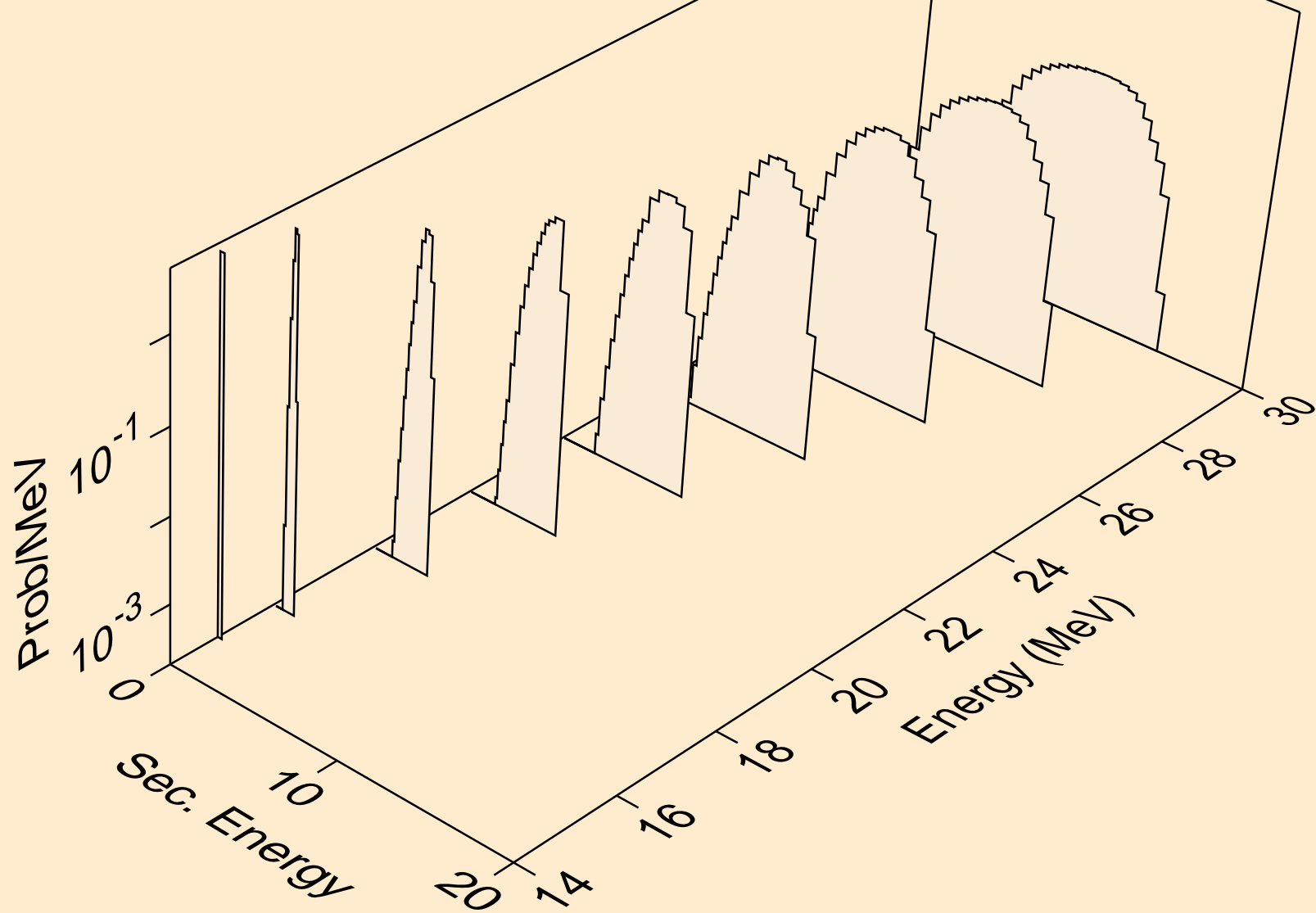
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



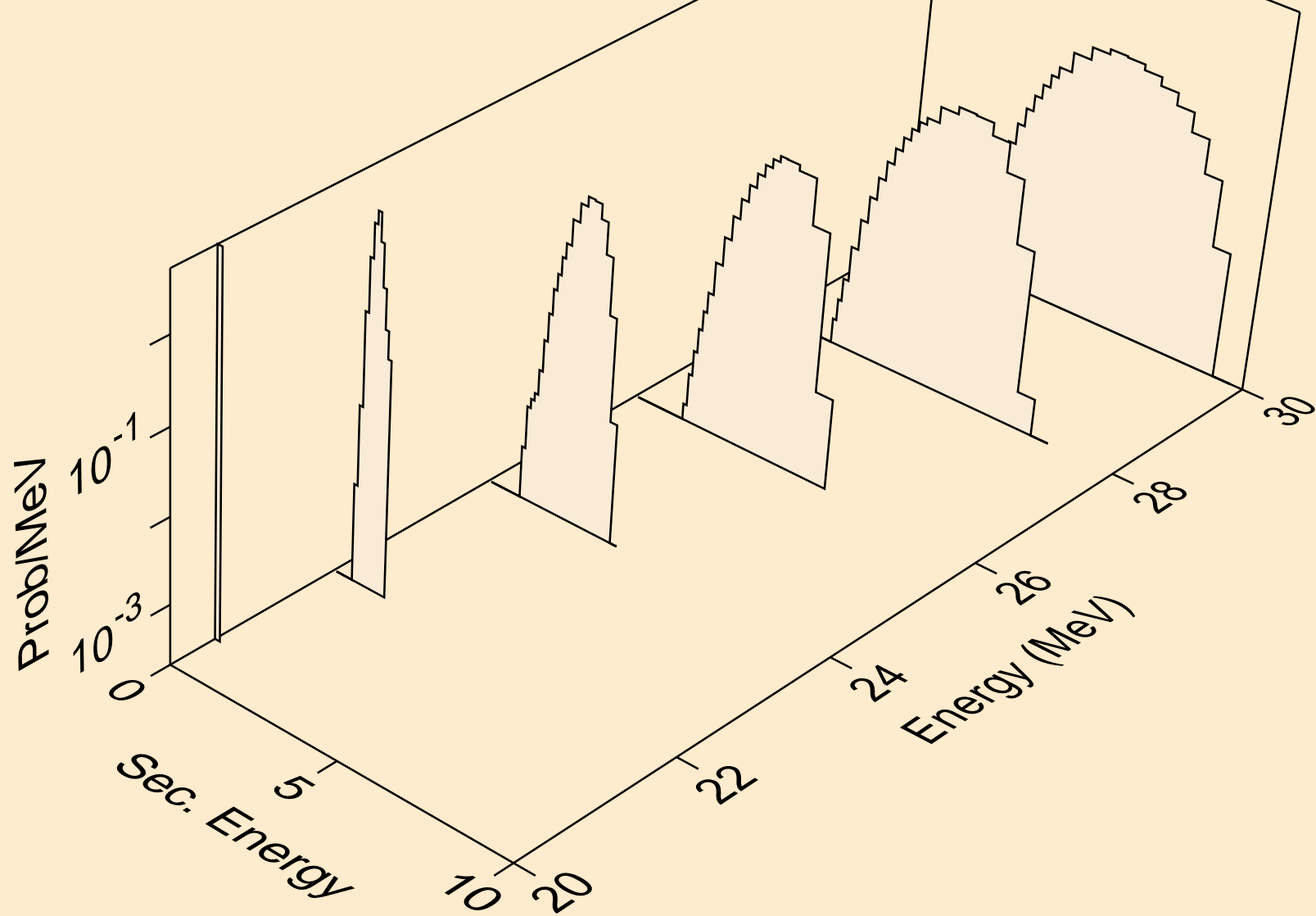
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



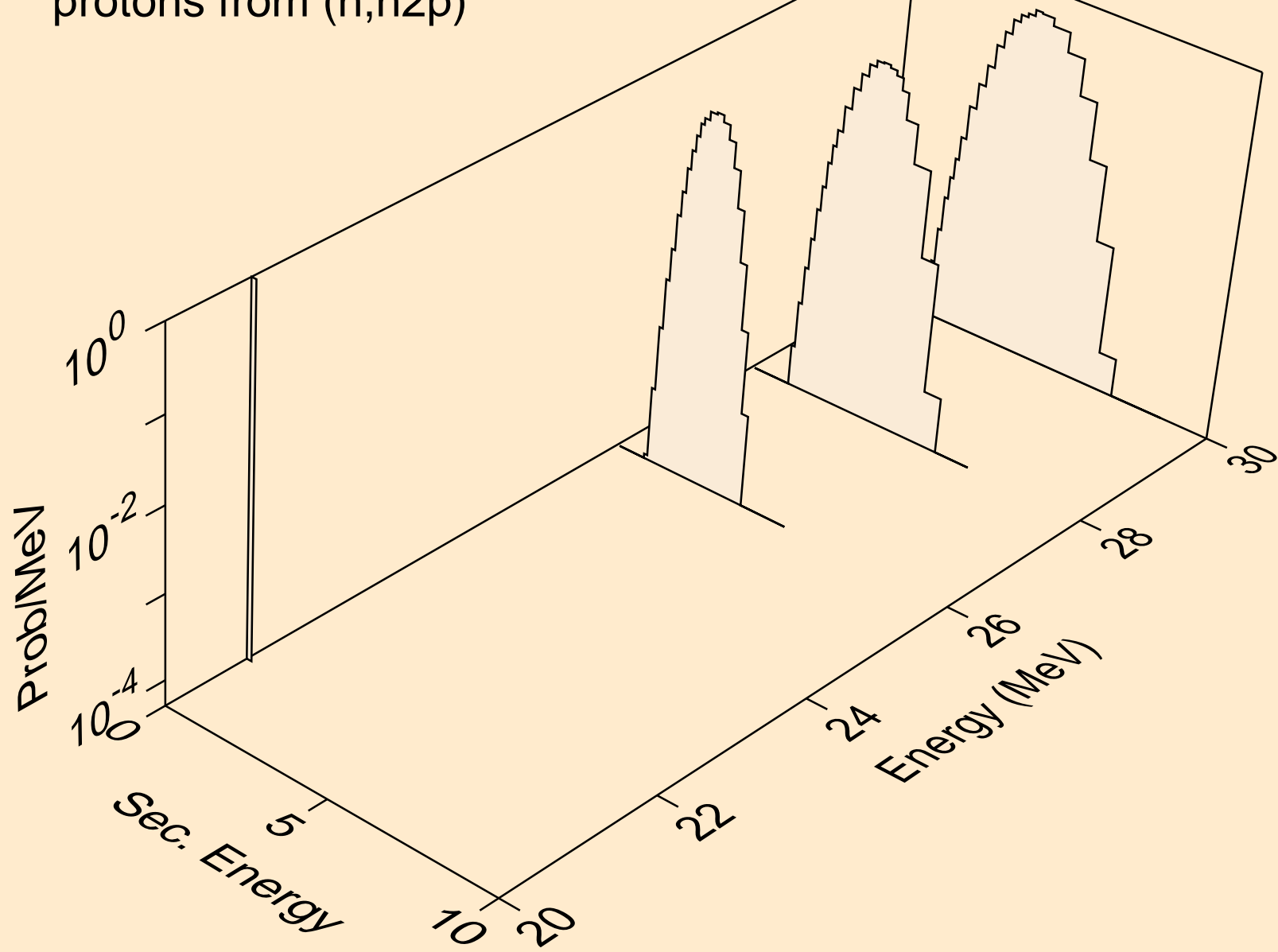
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protons from (n,2np)



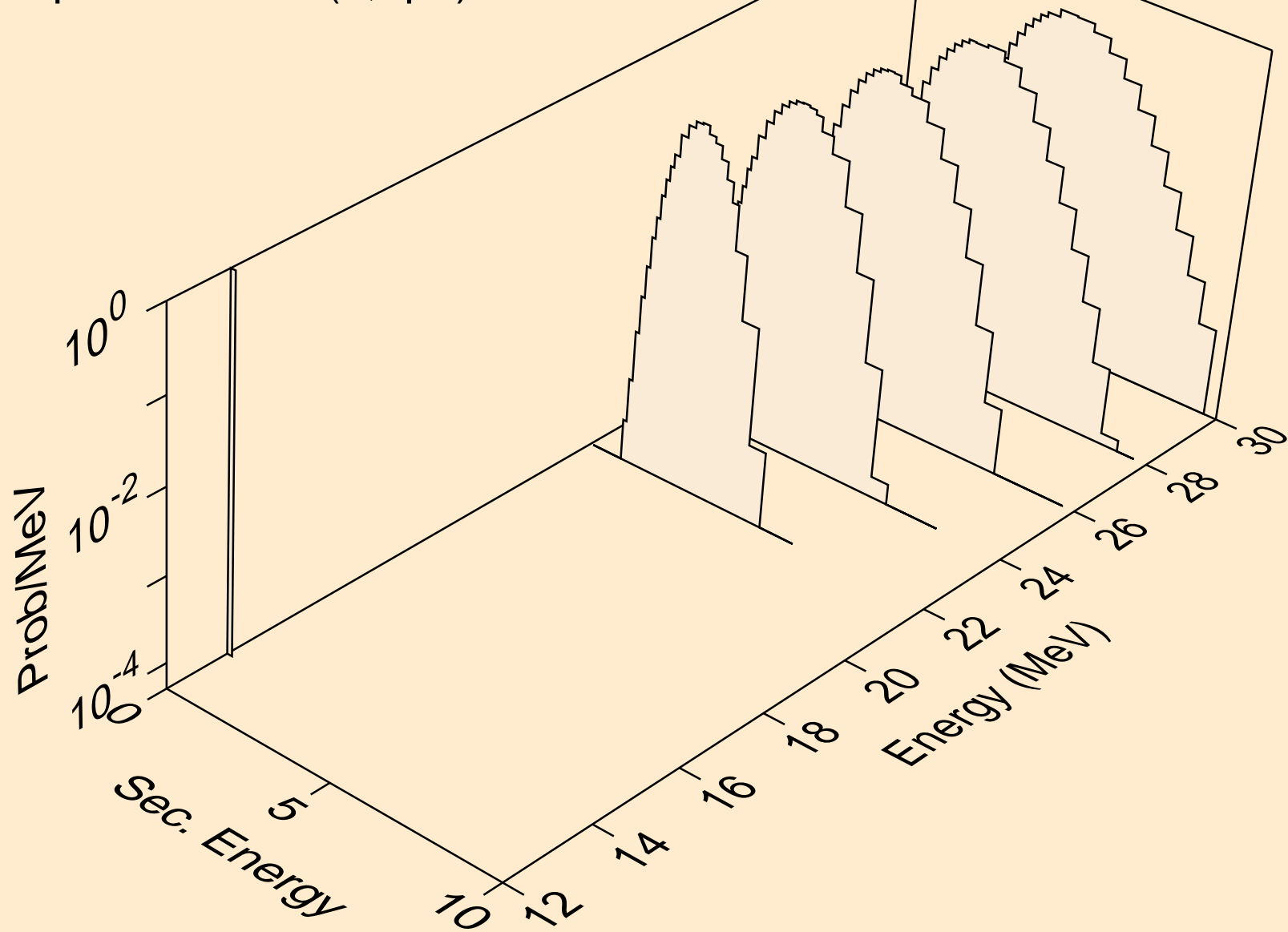
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protons from (n,3np)



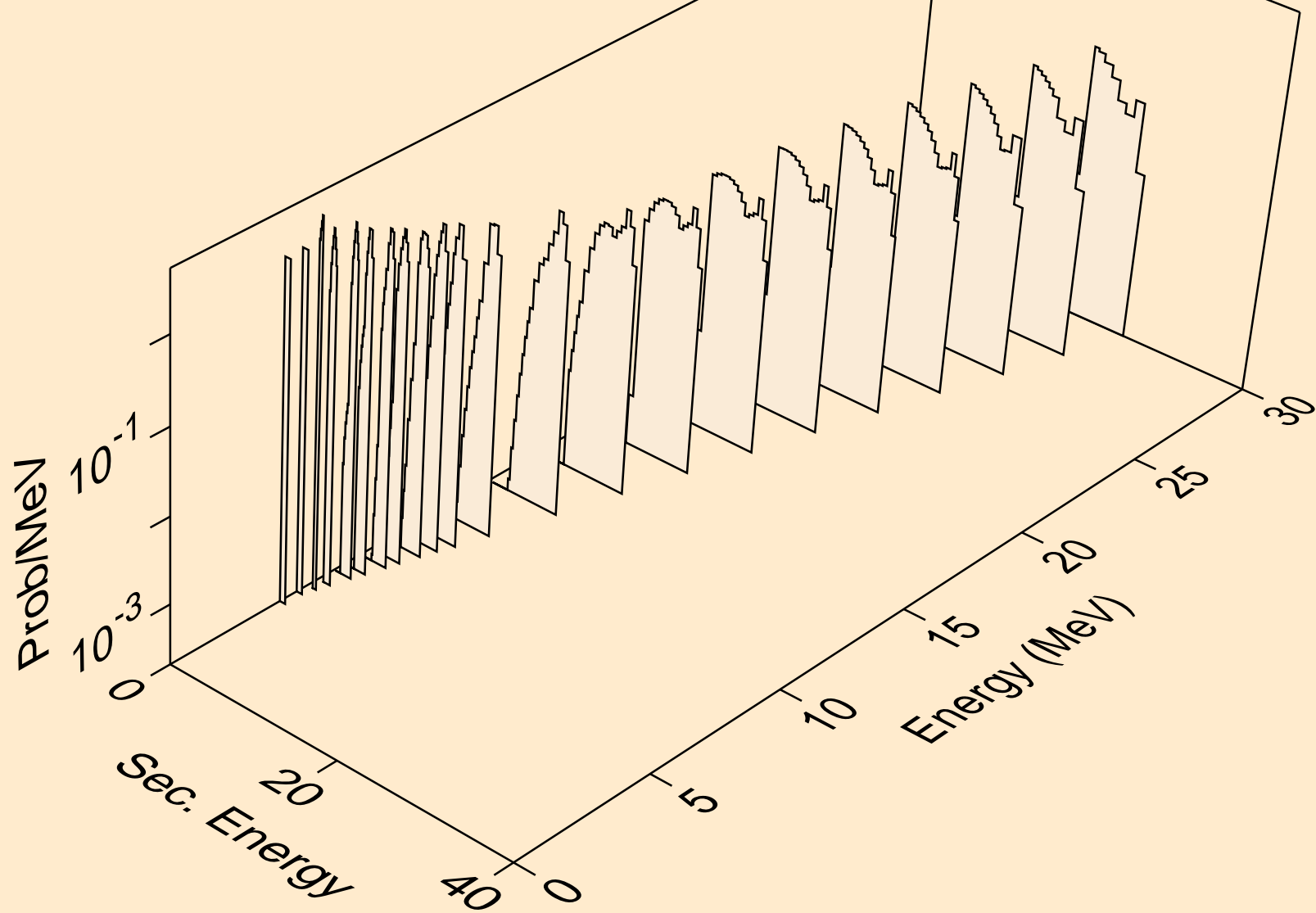
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n2p)



NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,npa)

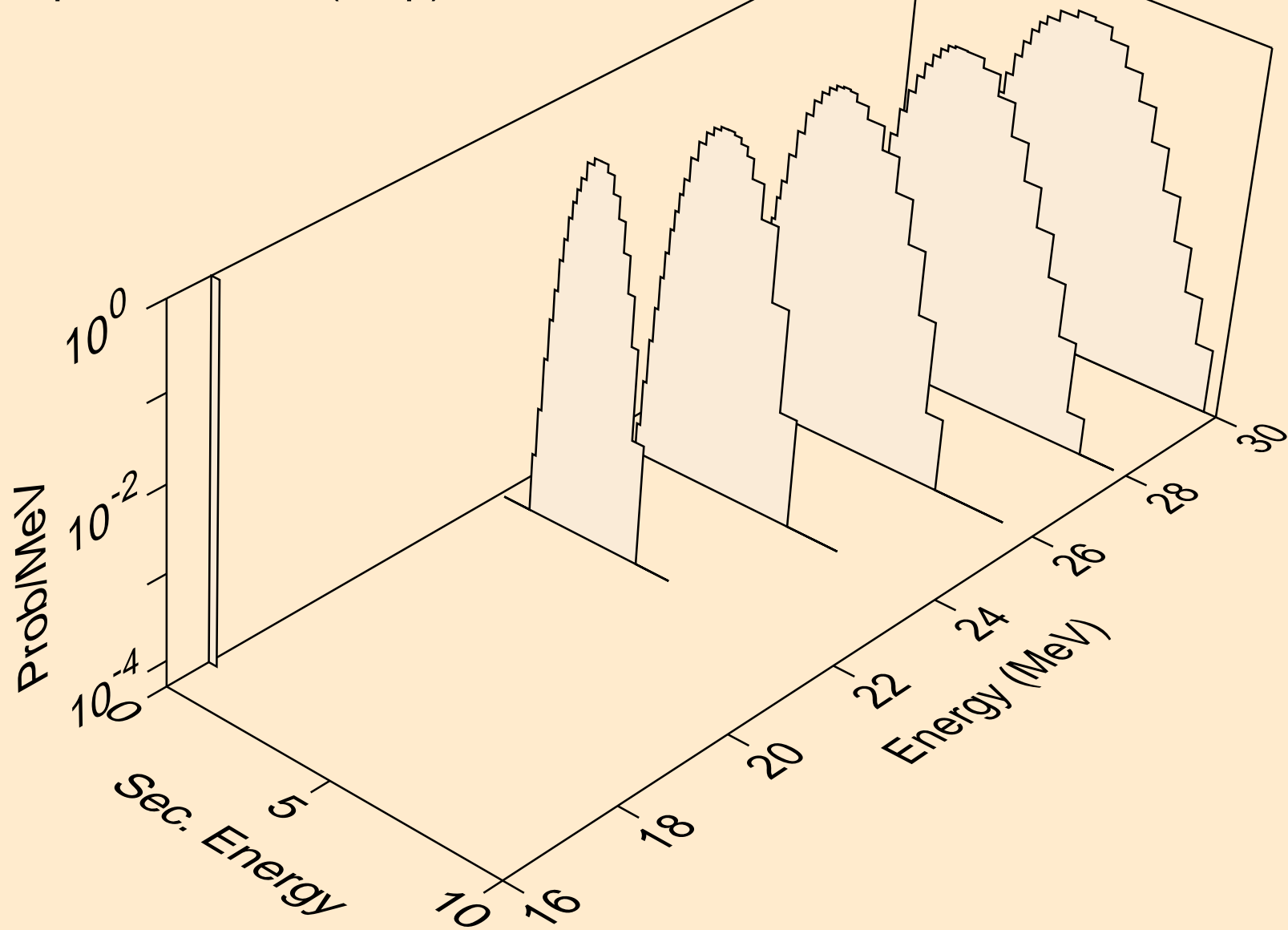


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protons from (n,p)

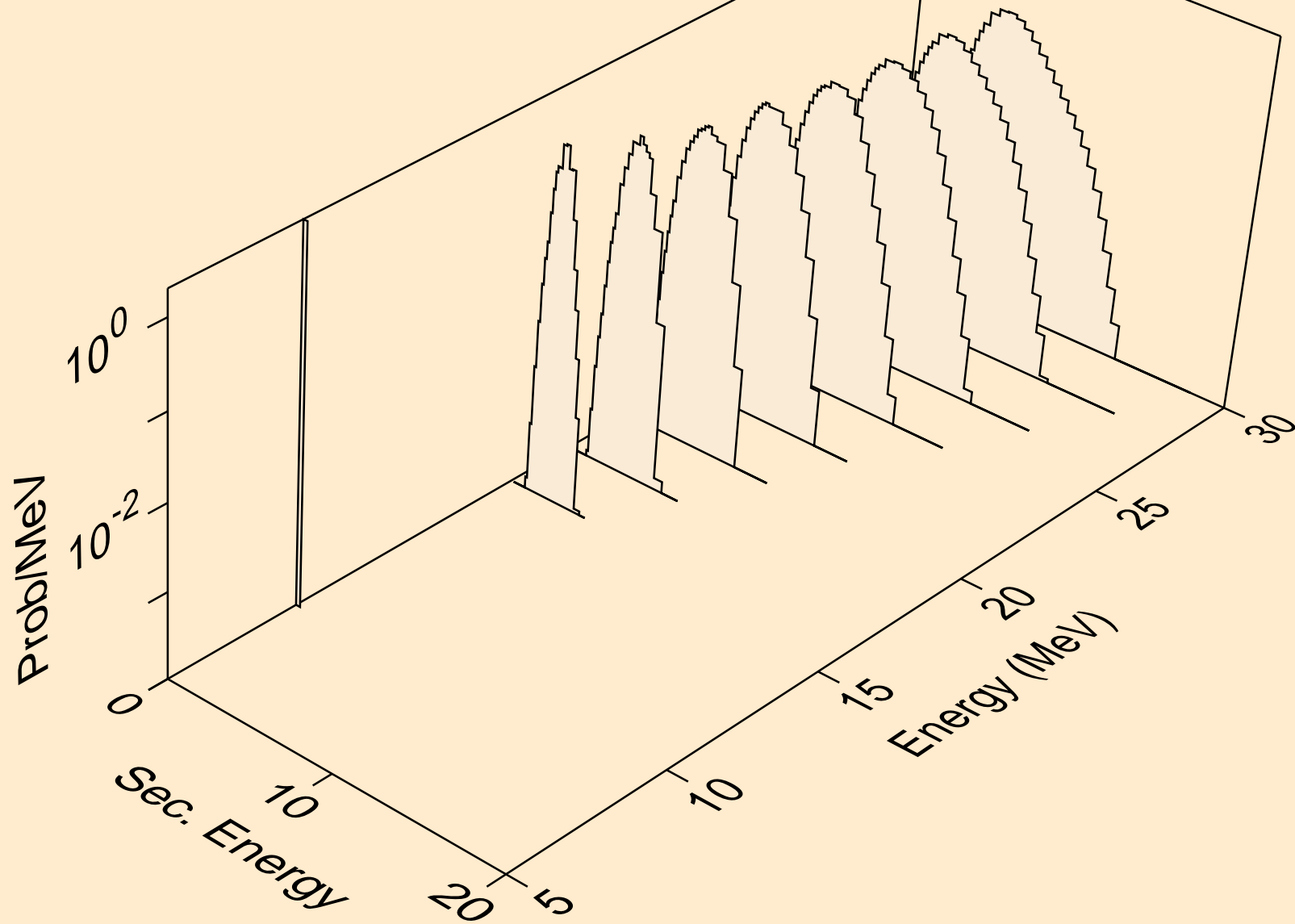




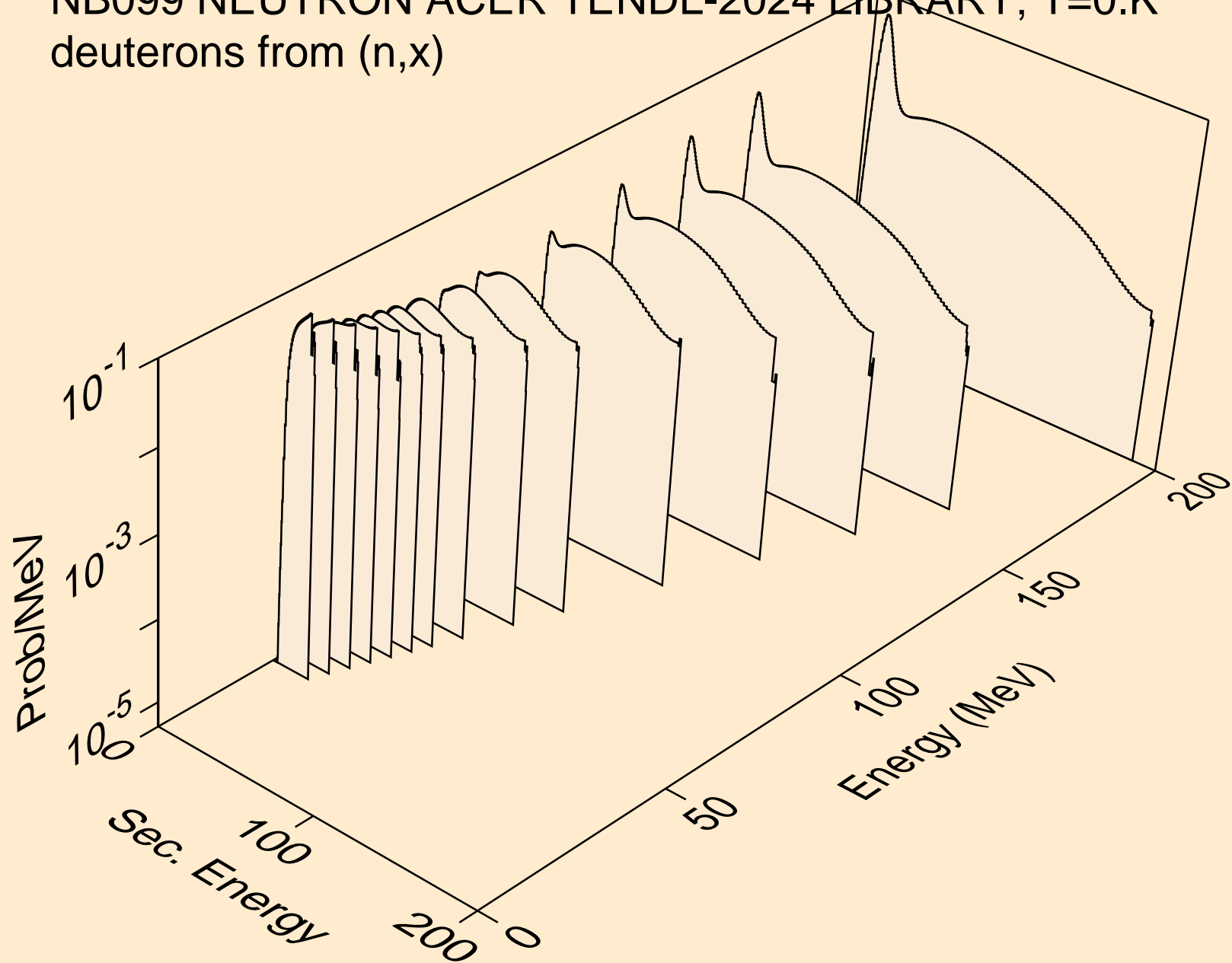
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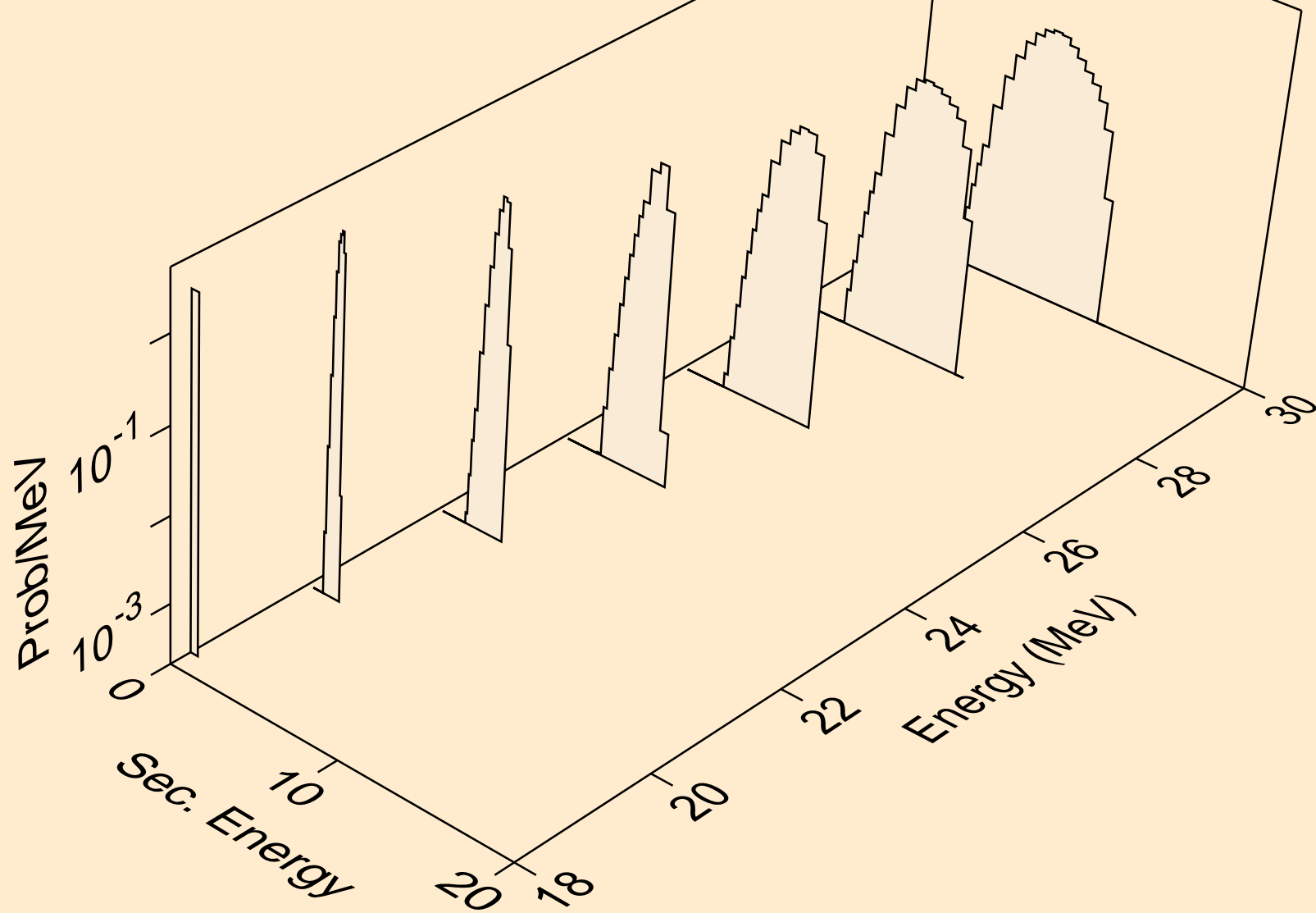
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protons from (n,pa)



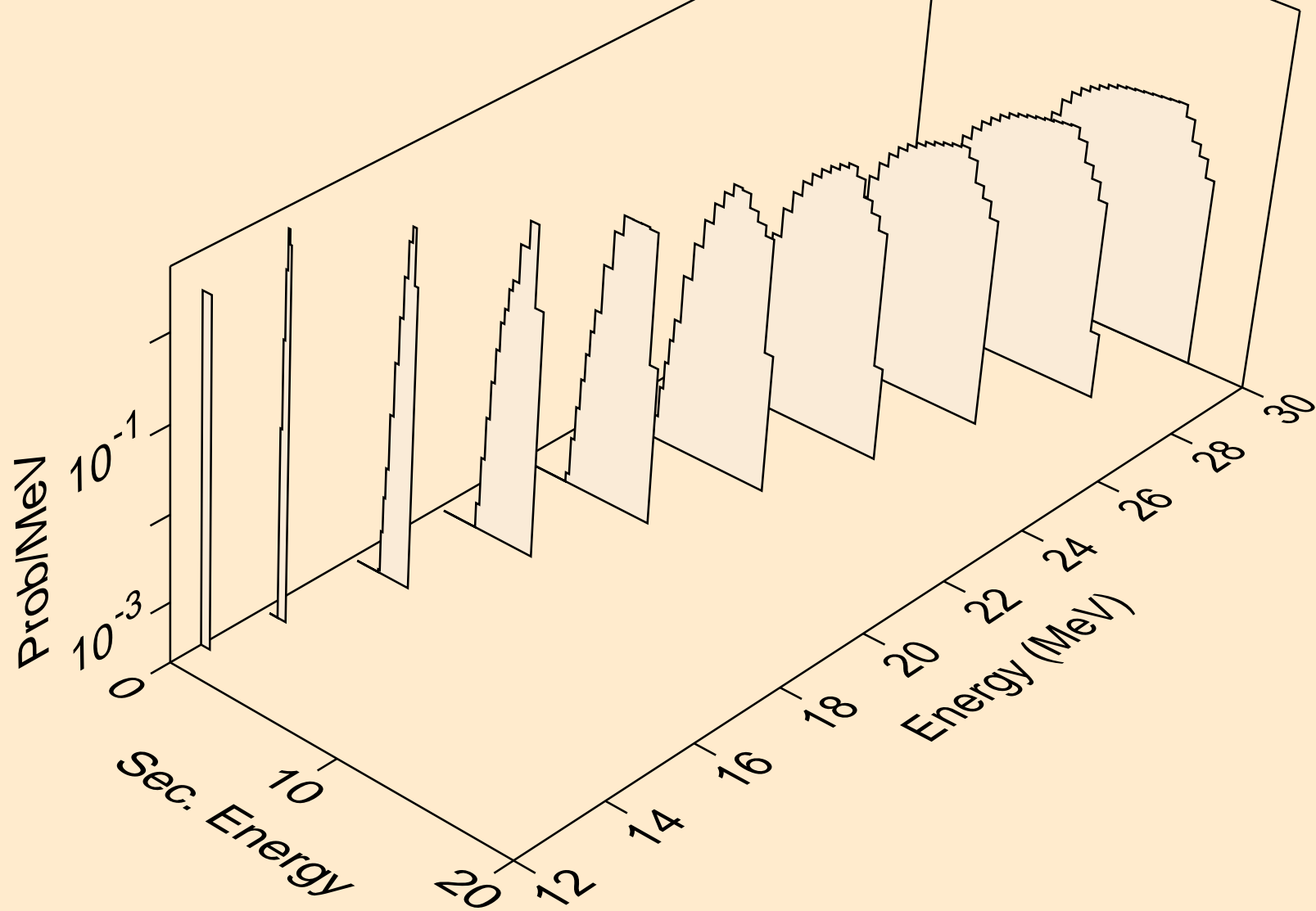
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deuterons from (n,x)



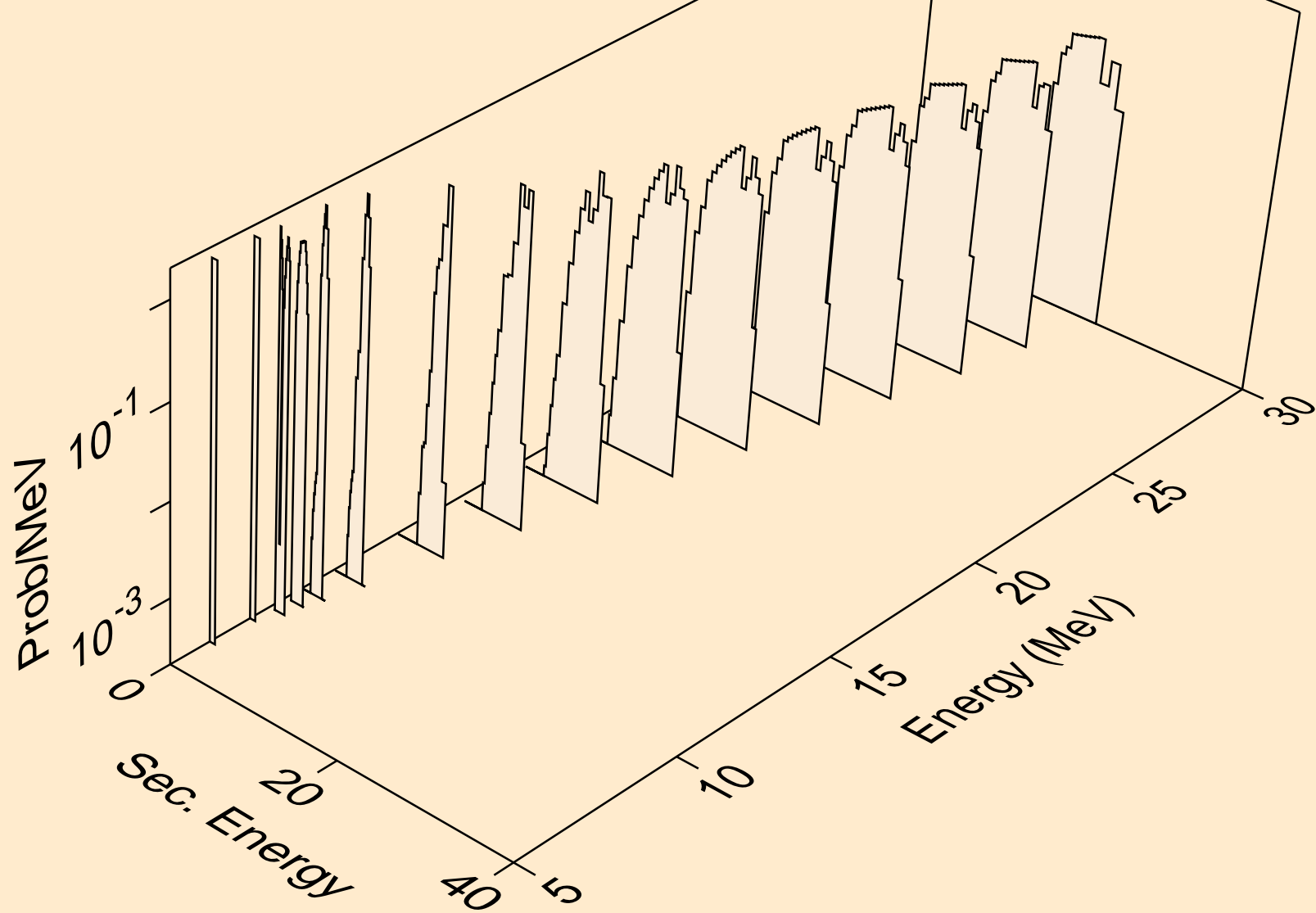
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deuterons from (n,2nd)



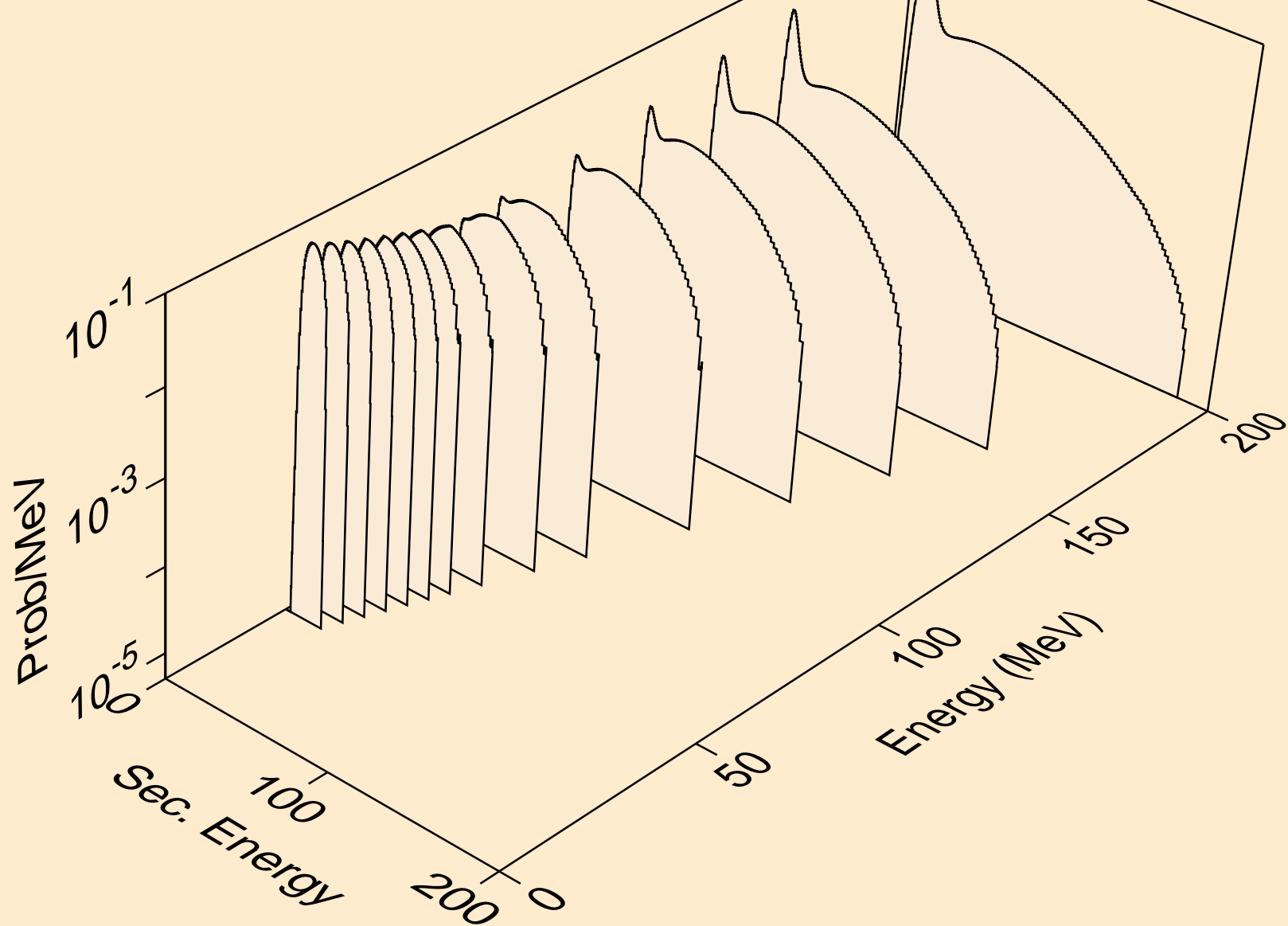
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deuterons from (n,n\*)d



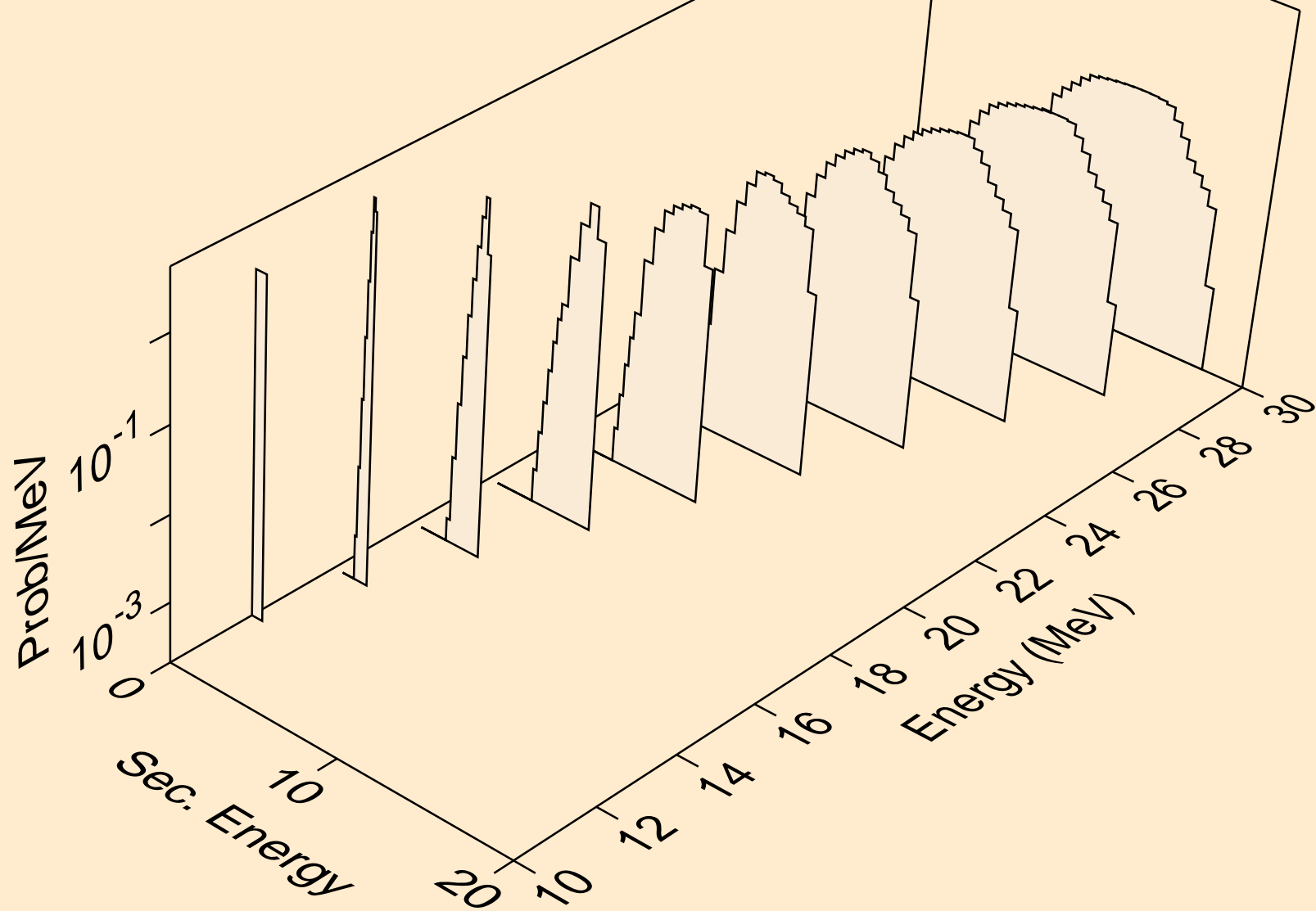
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,d)



NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)

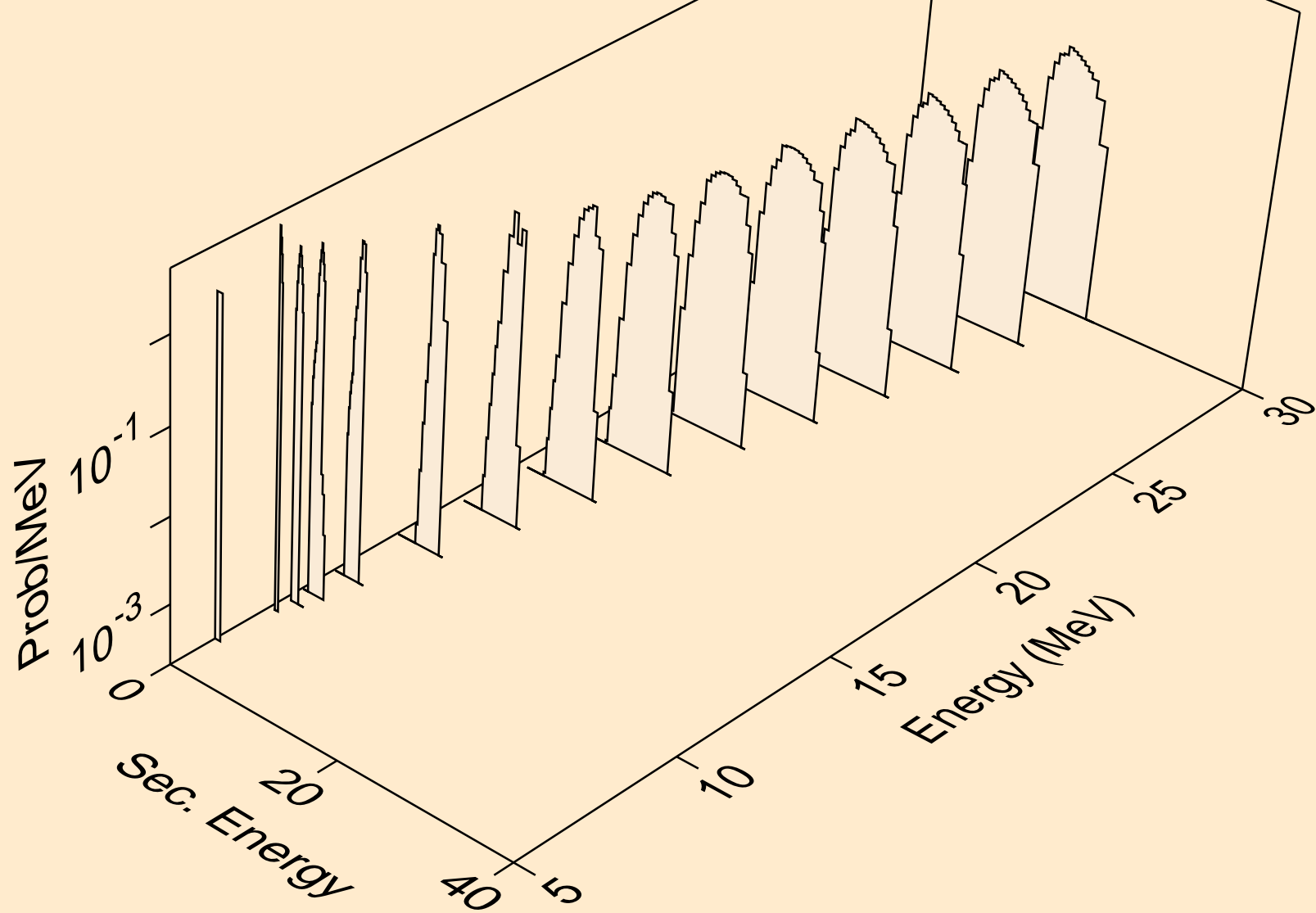


NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t

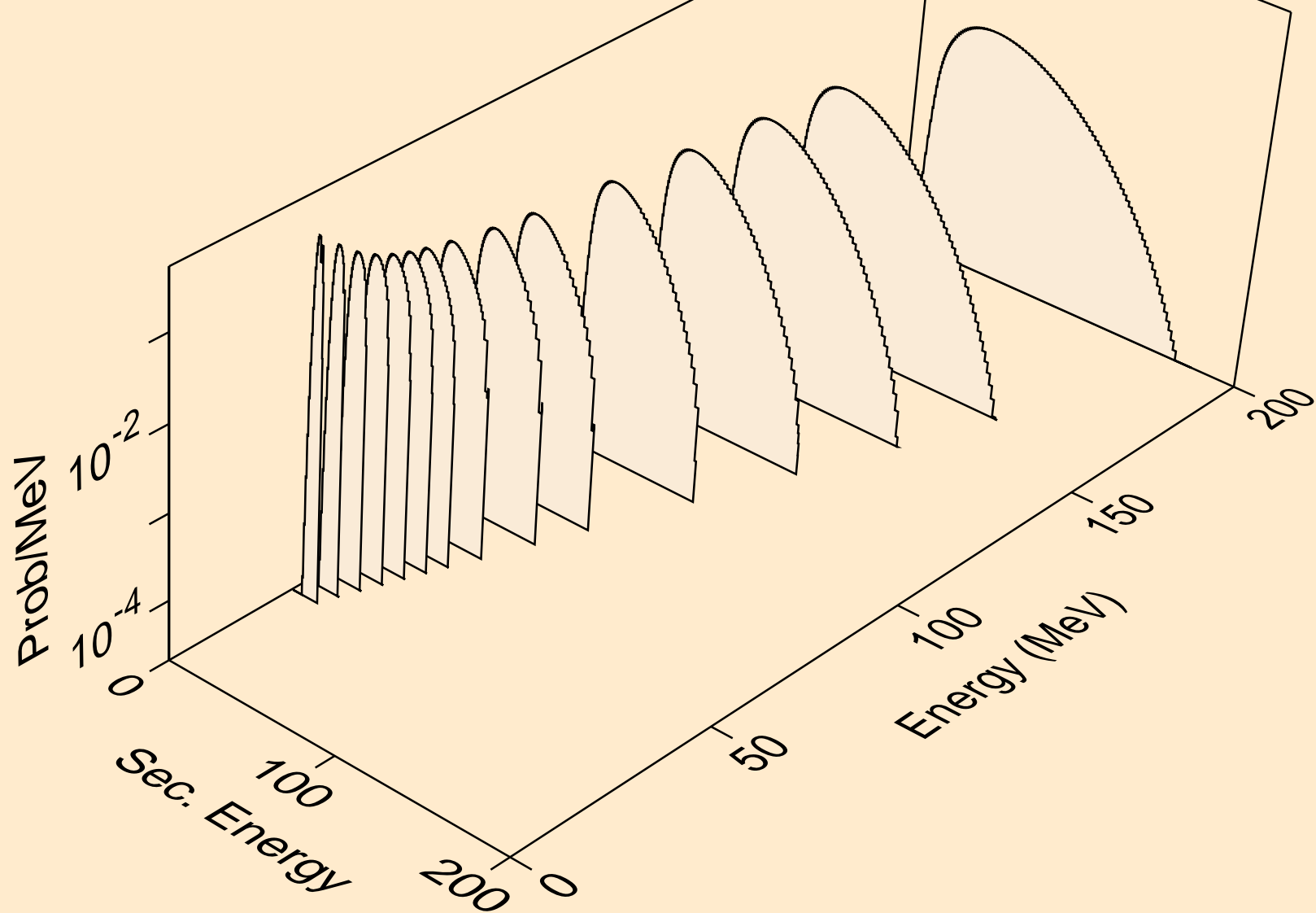




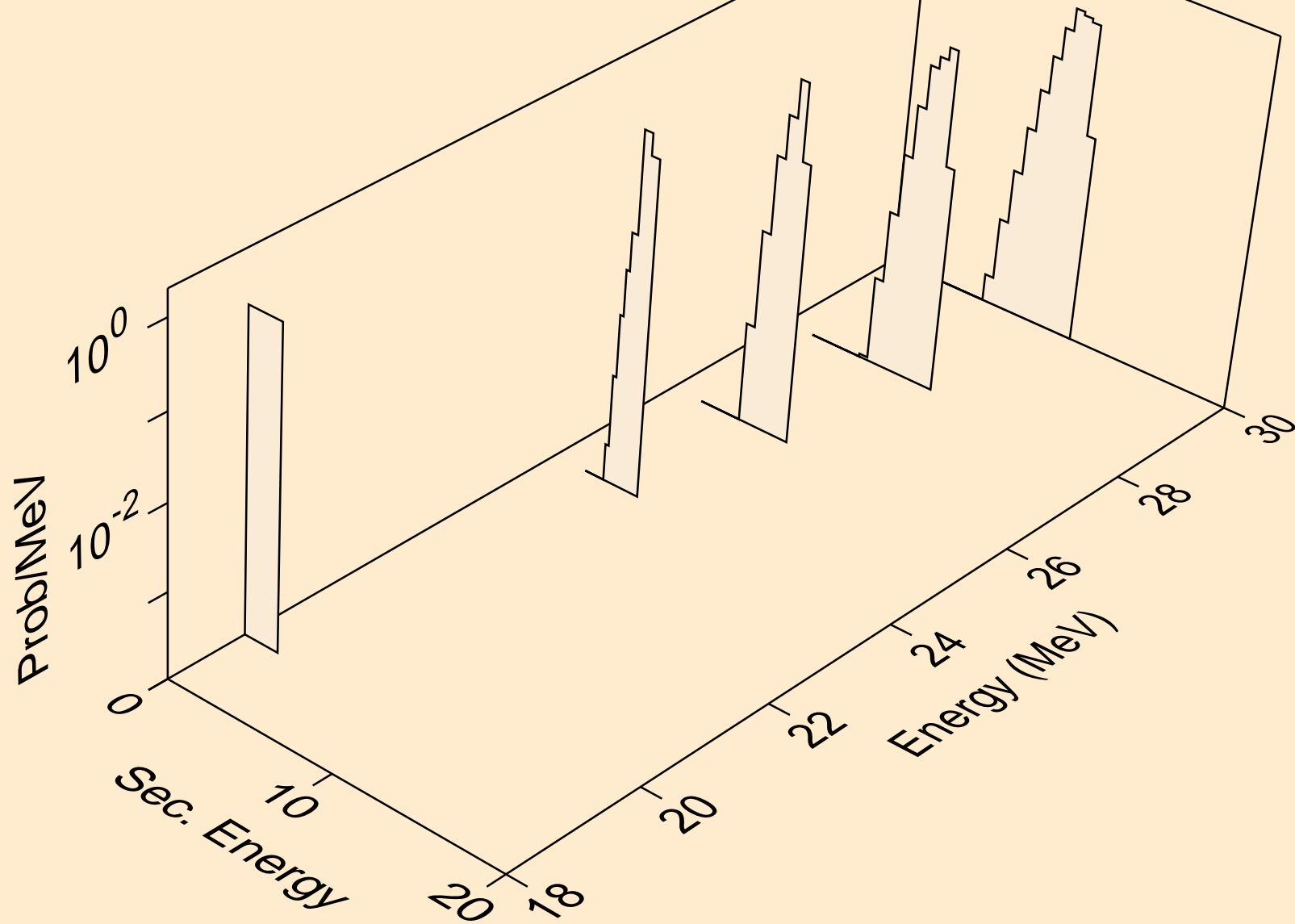
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tritons from (n,t)



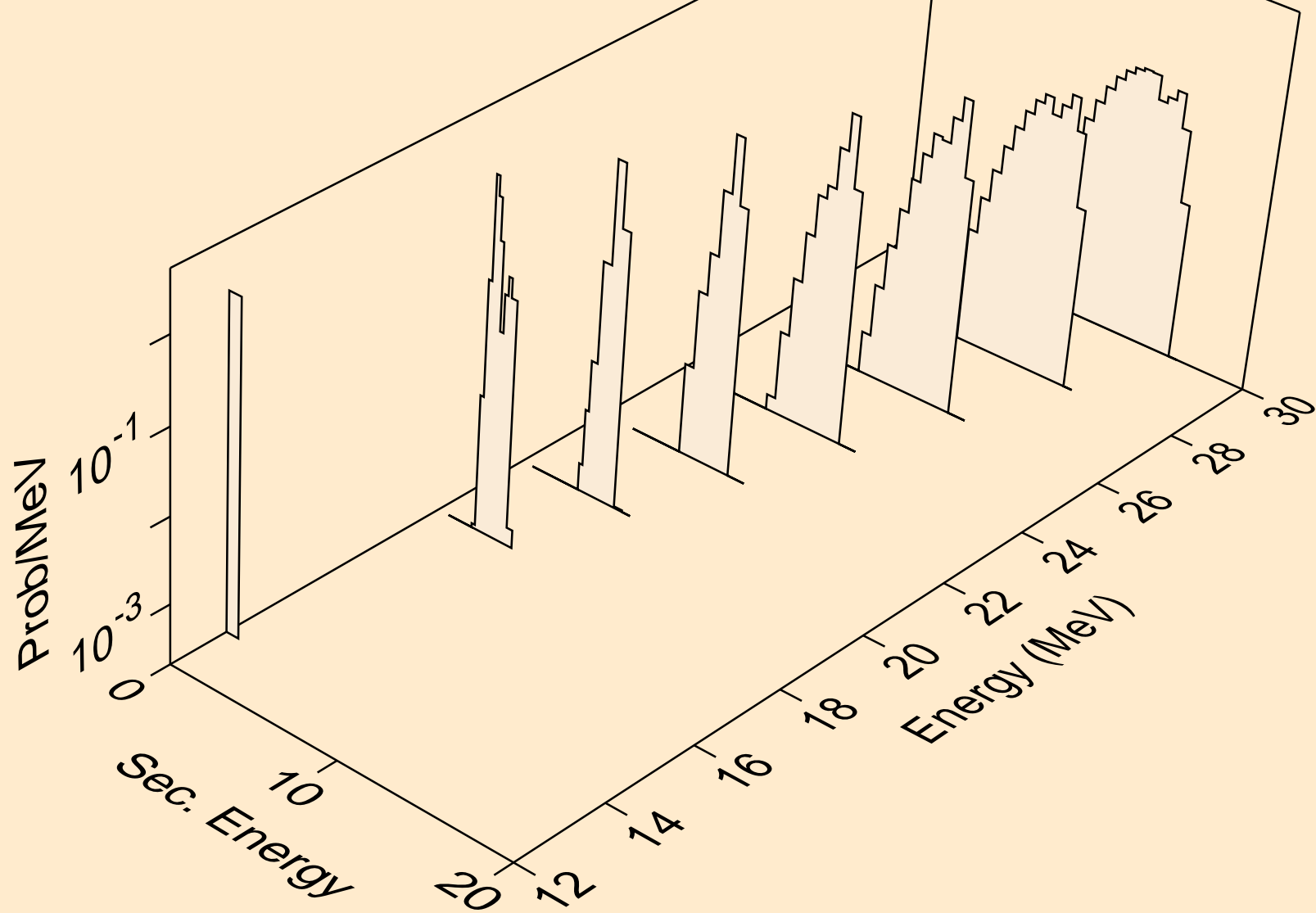
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he3s from (n,x)



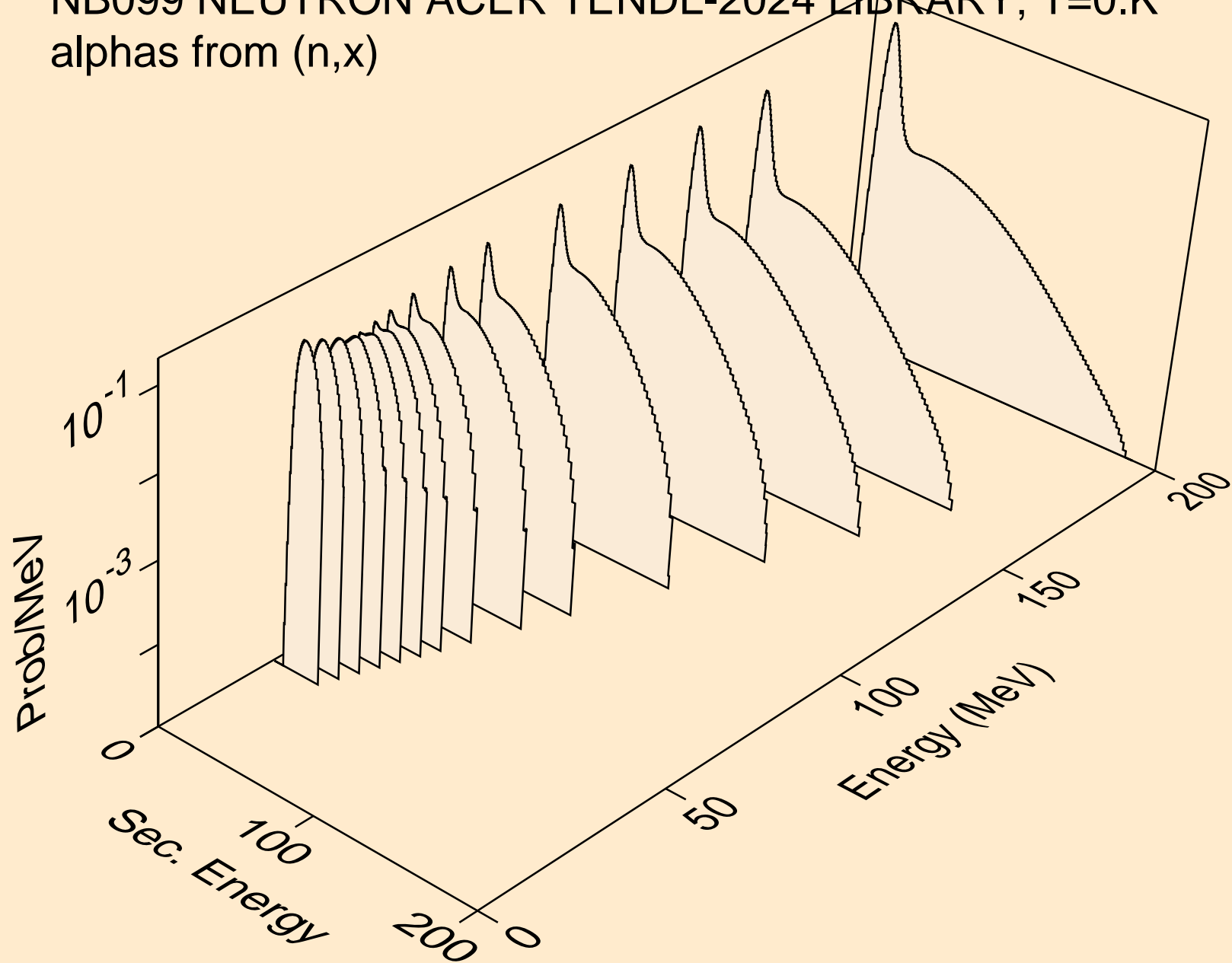
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he3s from (n,n\*)he3



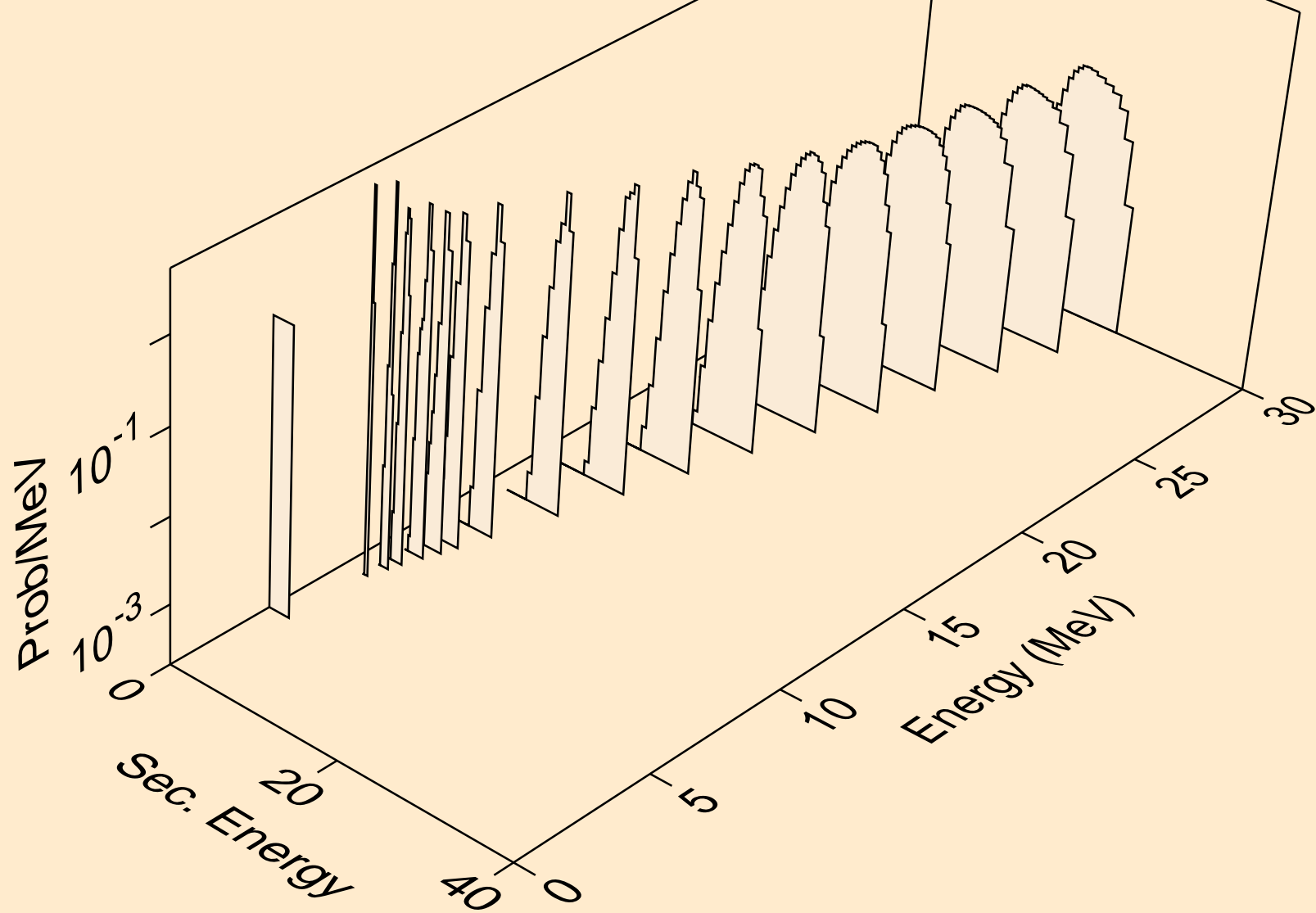
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he3s from (n,he3)



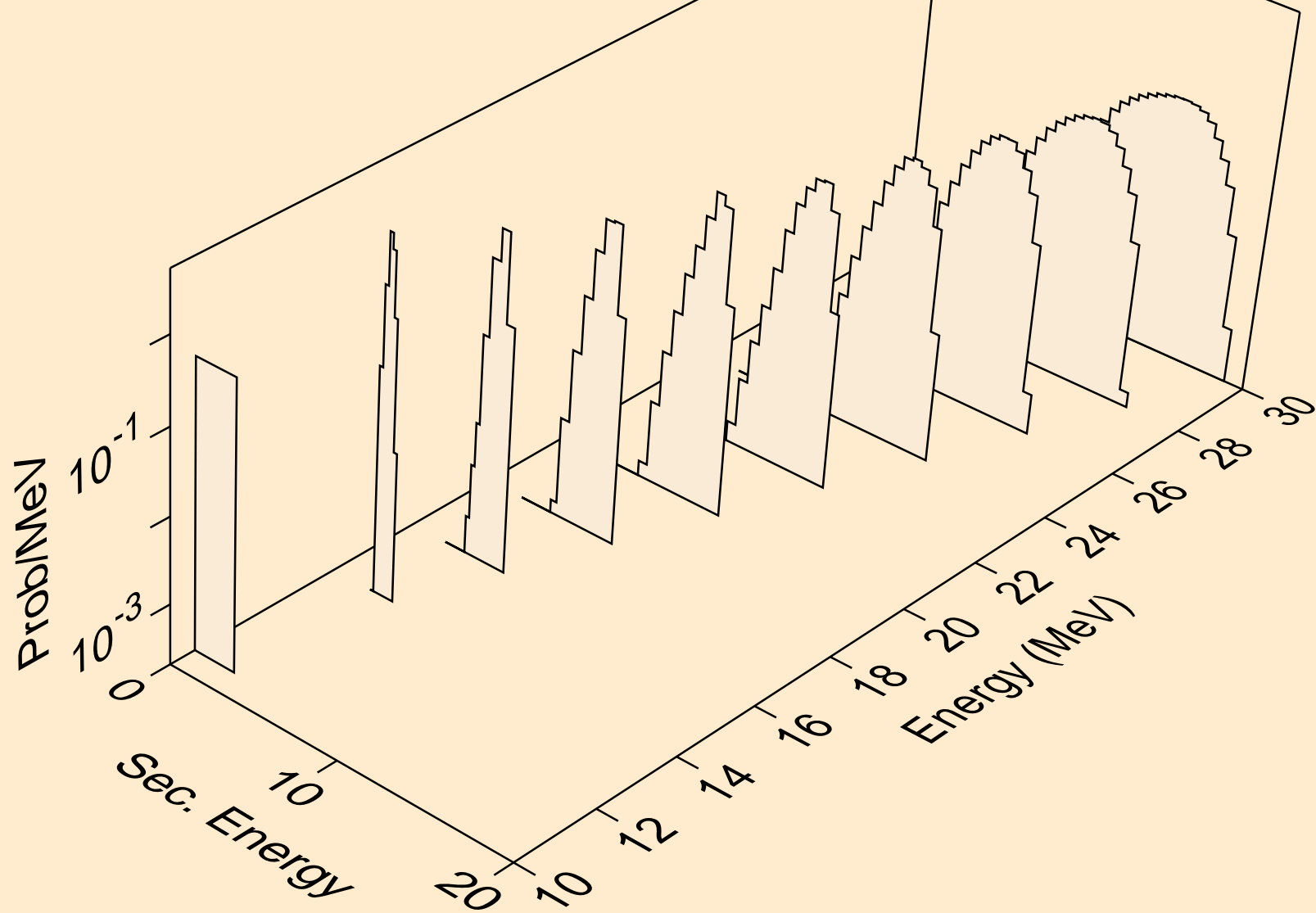
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alphas from (n,x)



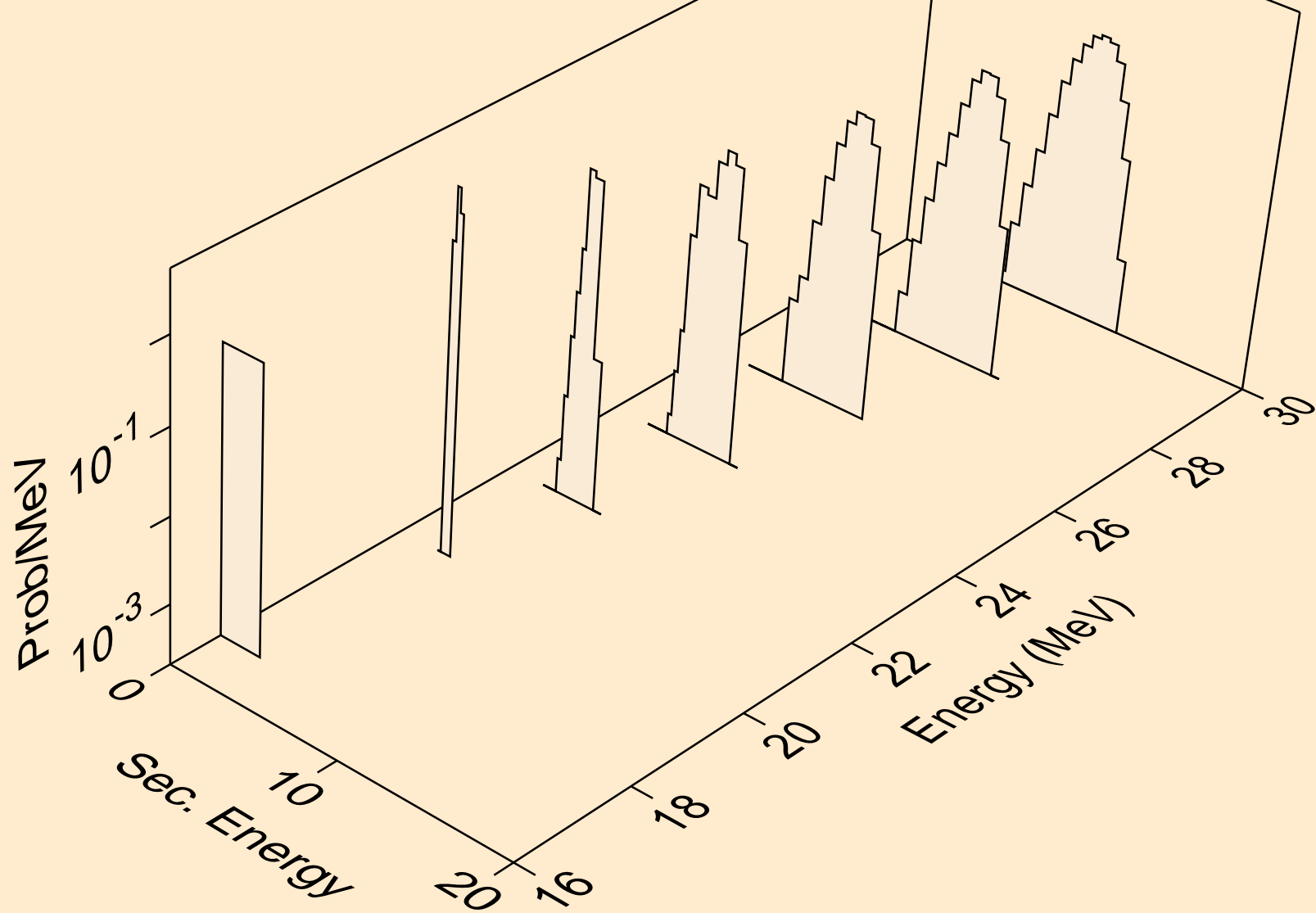
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a

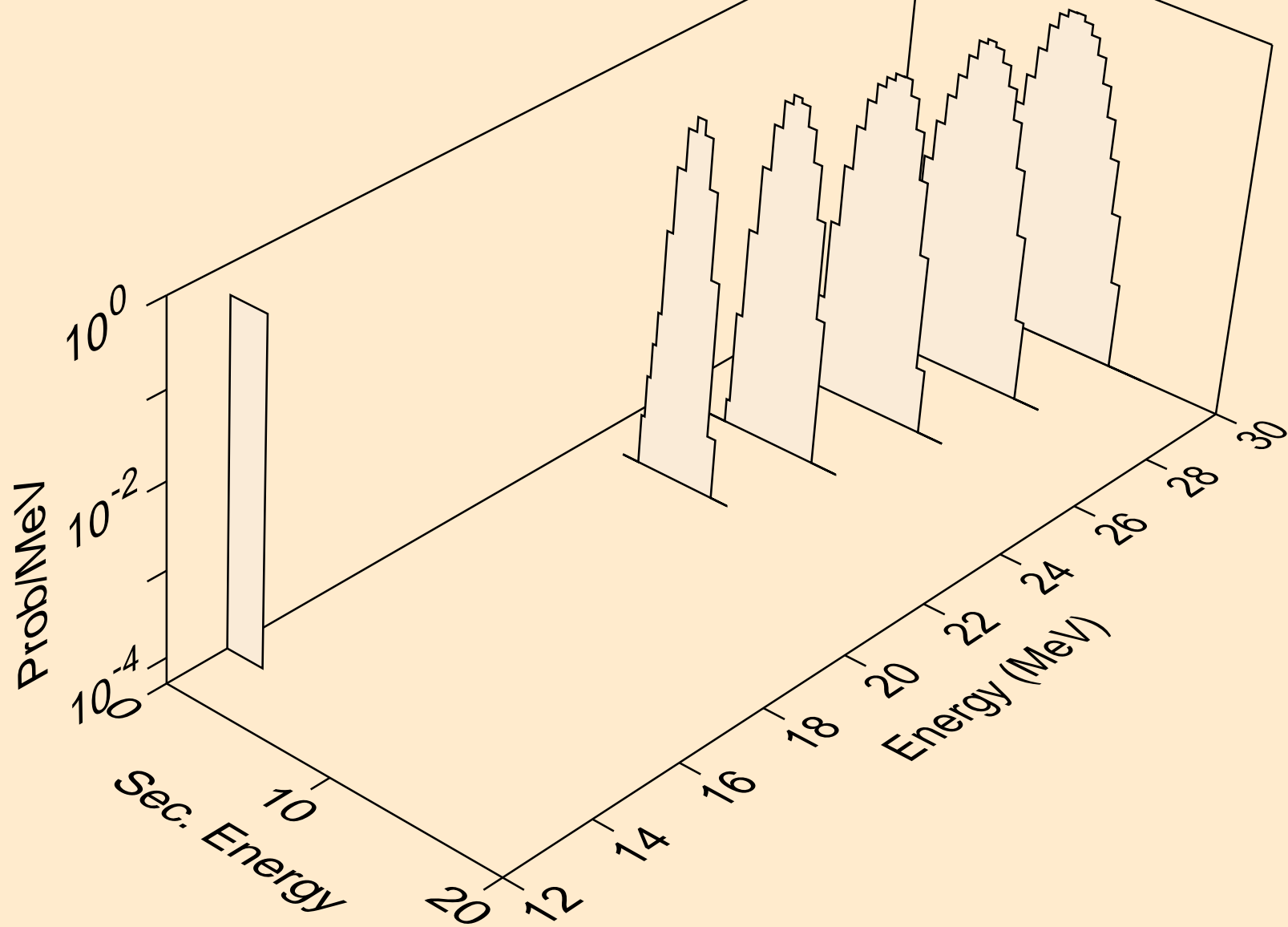


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alphas from (n,3n)a

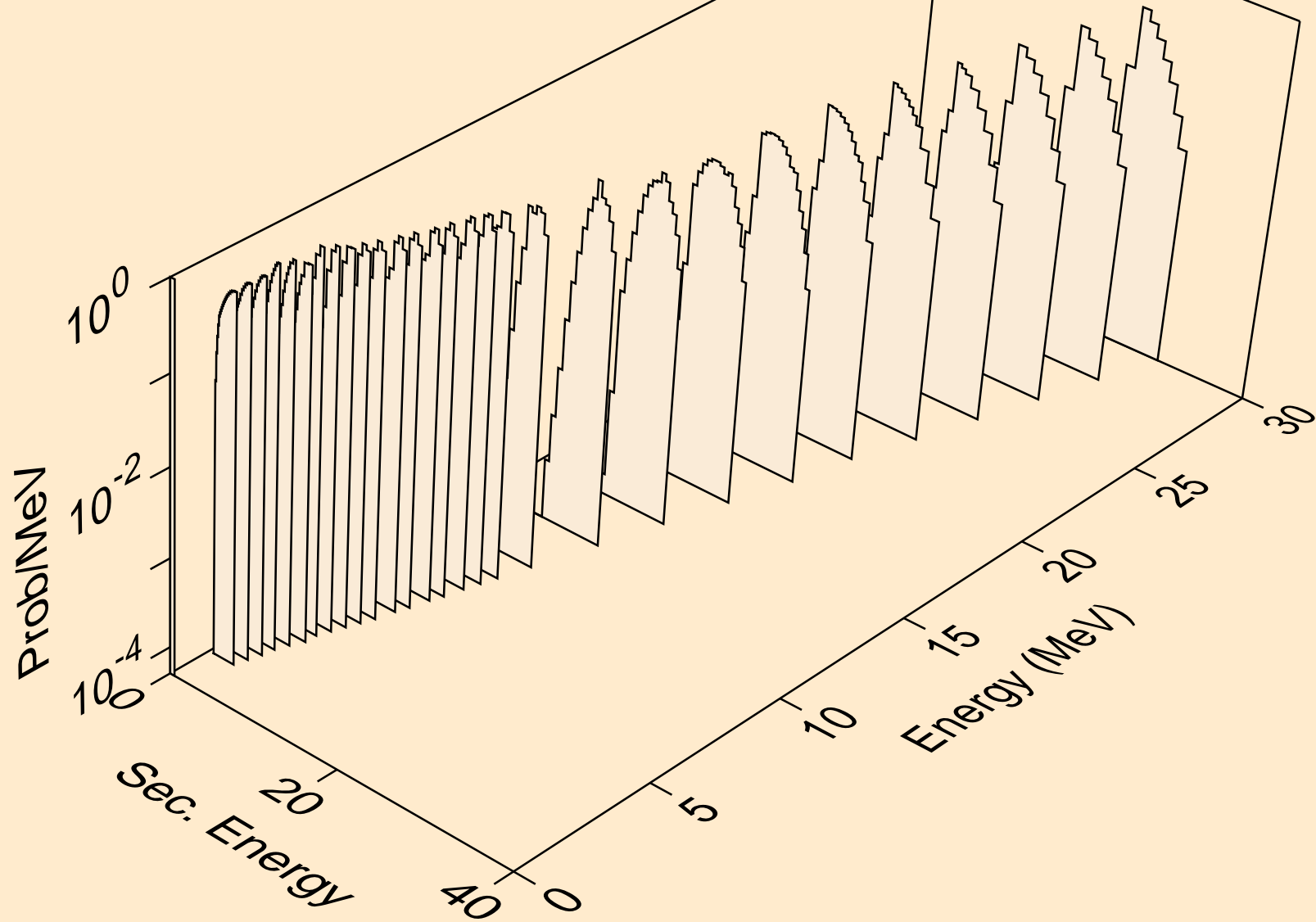




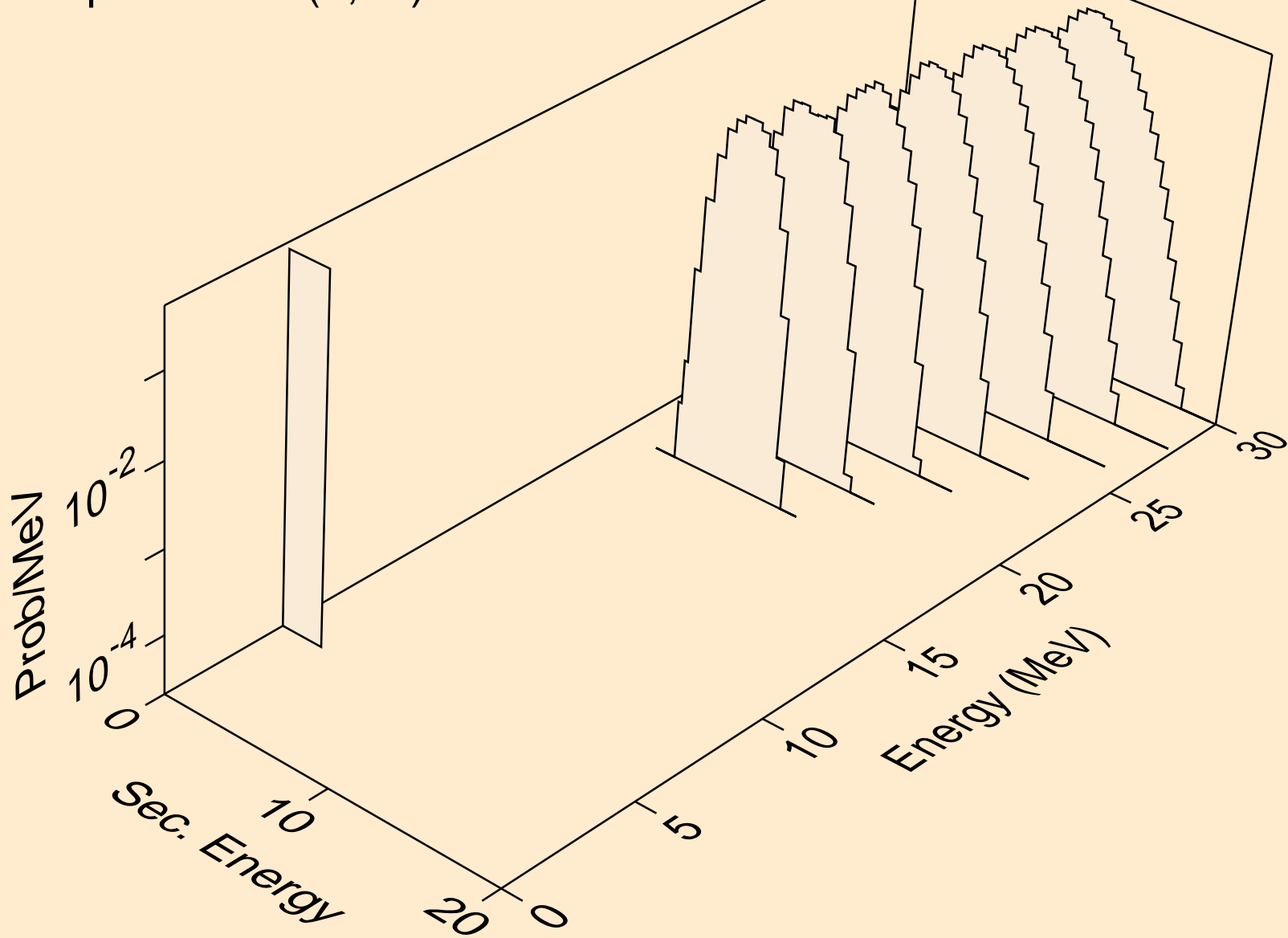
NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)



NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



NB099 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)

