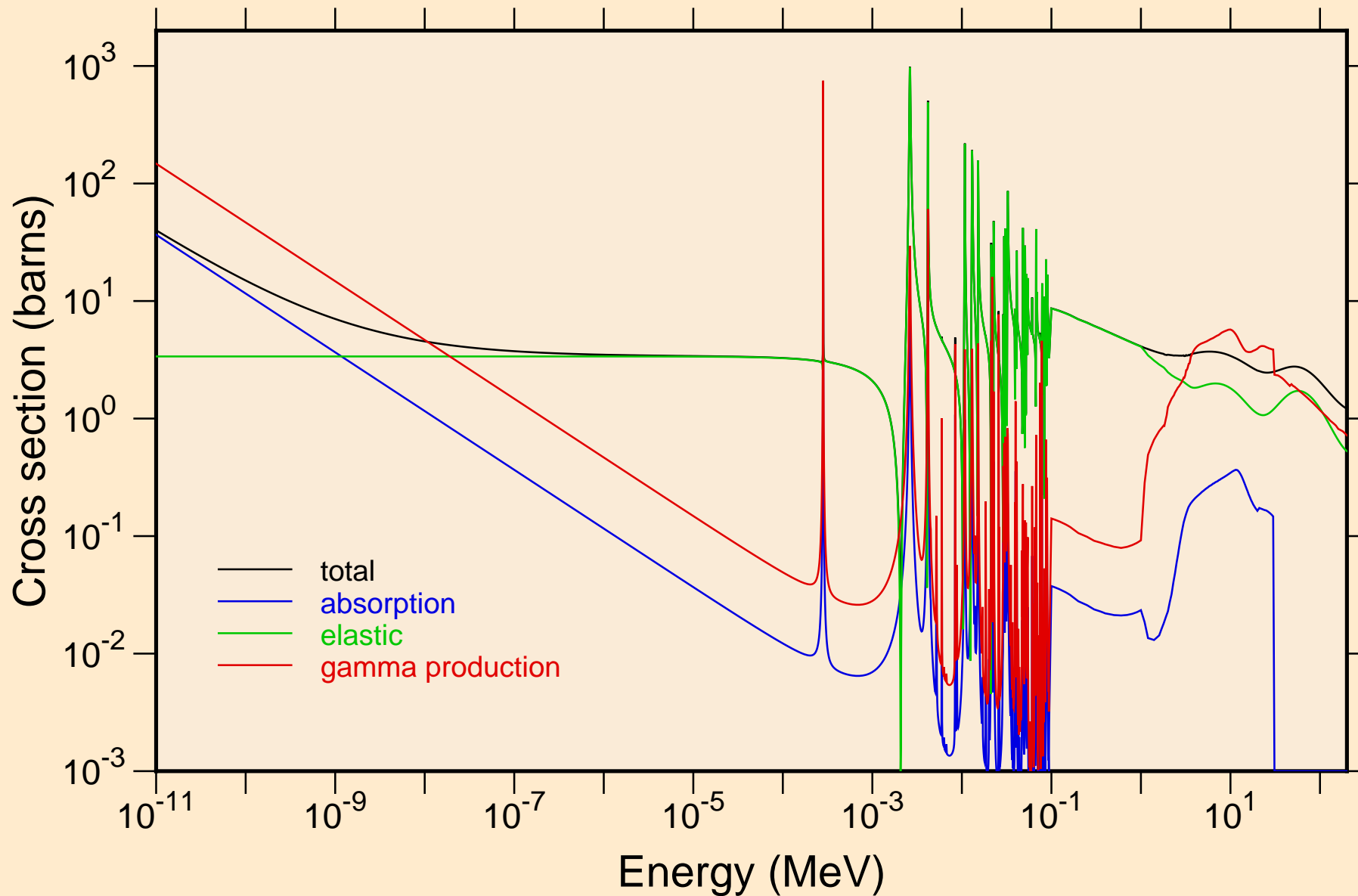
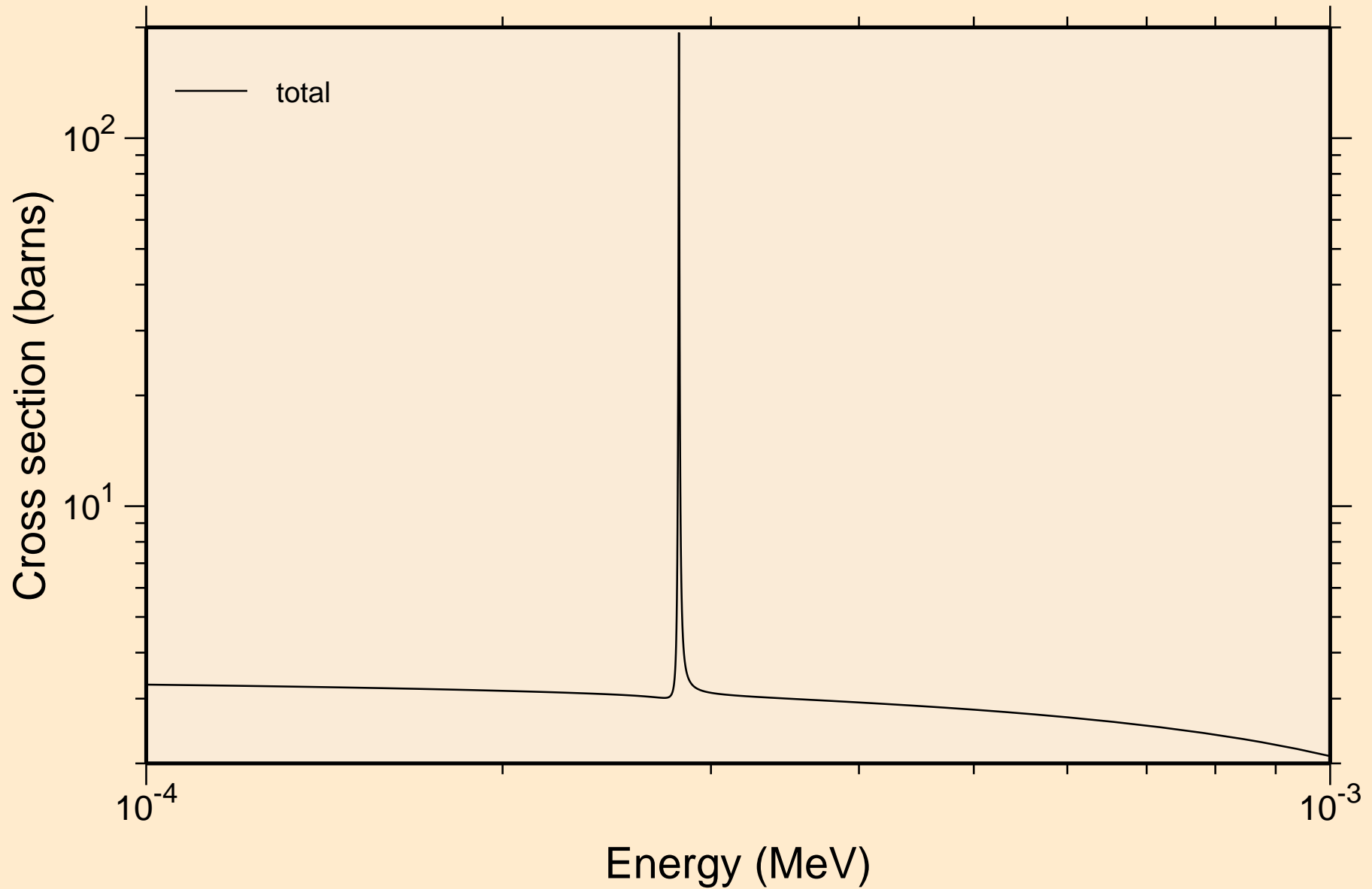


# ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

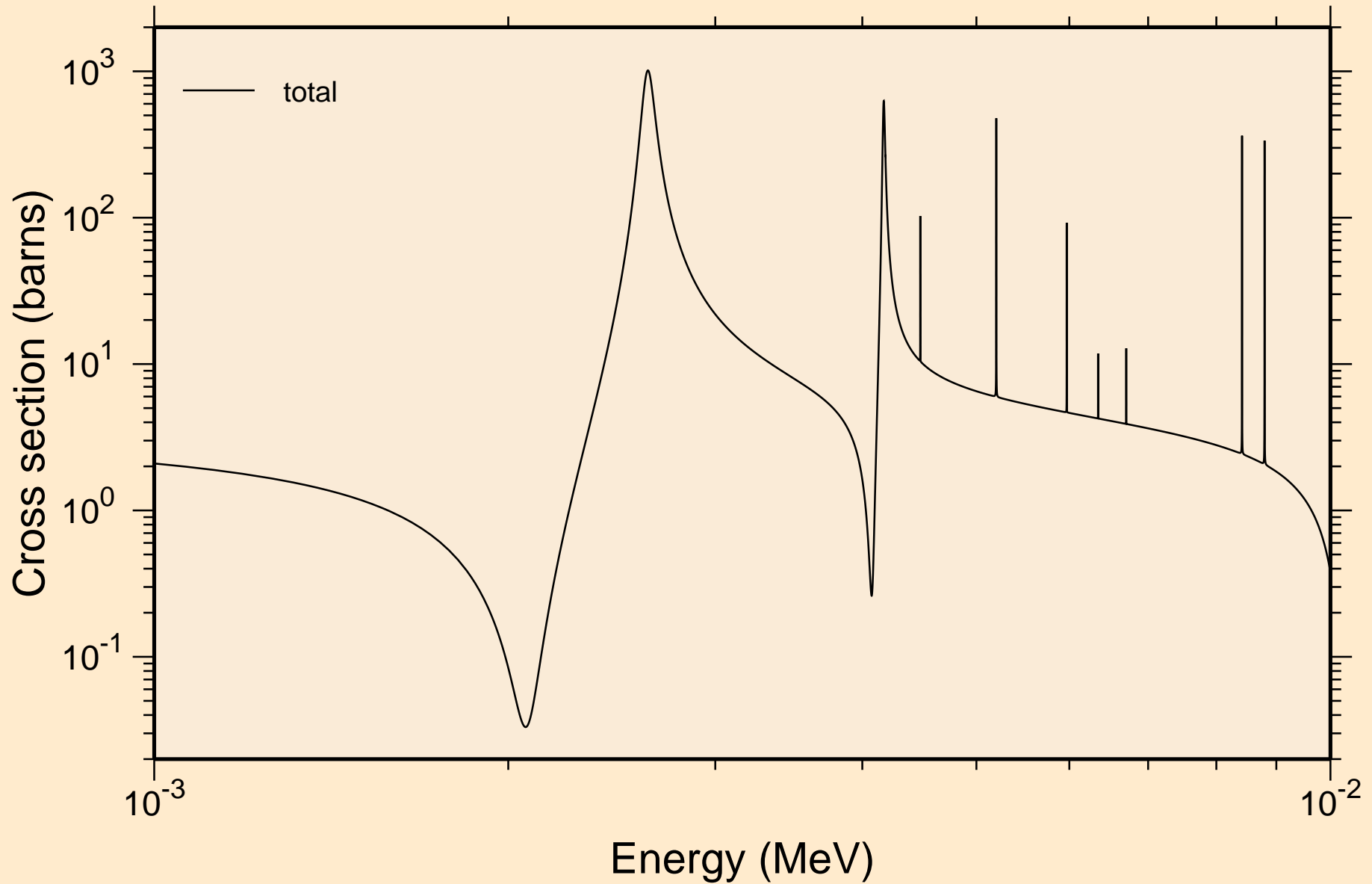
## Principal cross sections



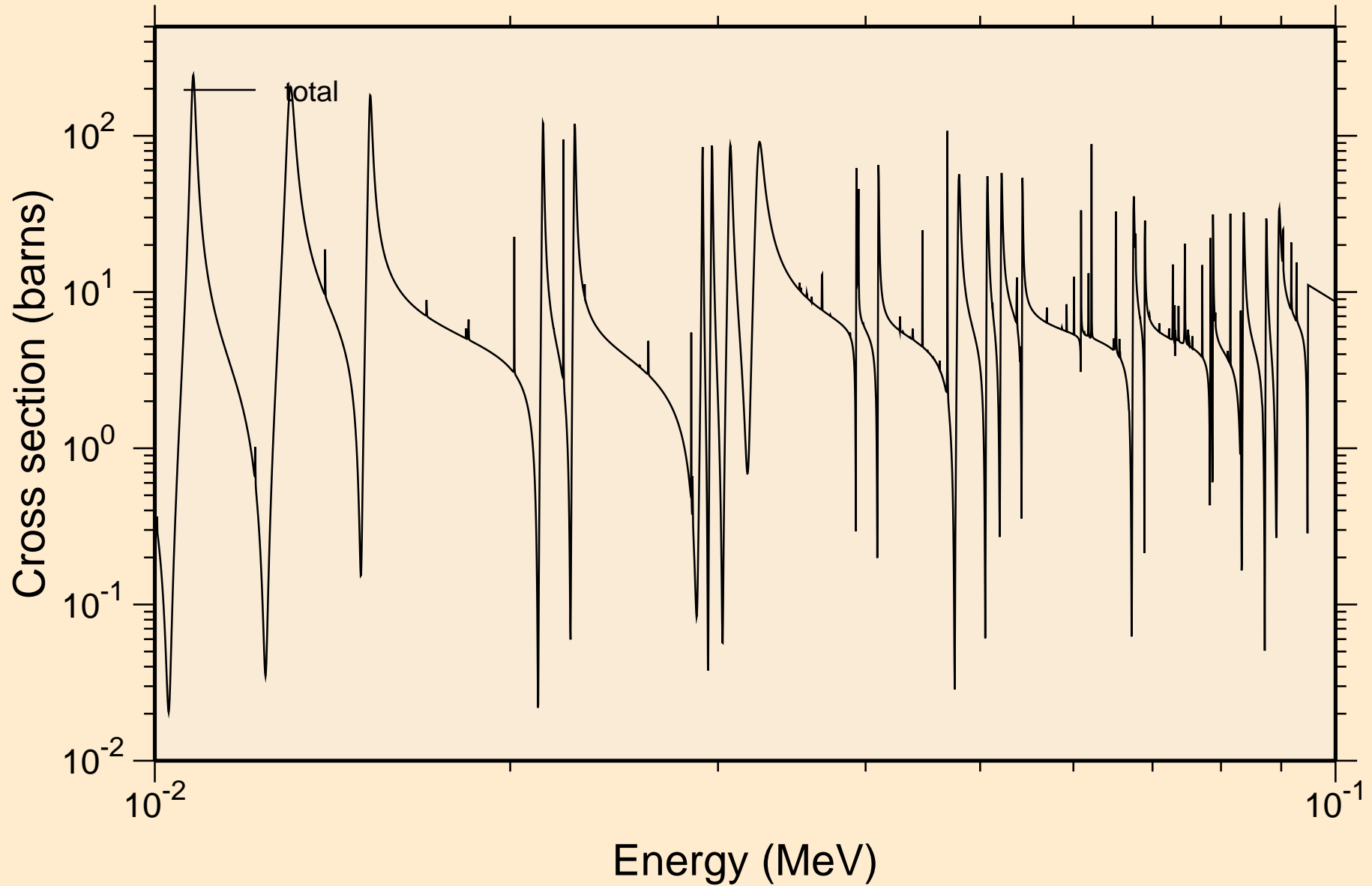
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



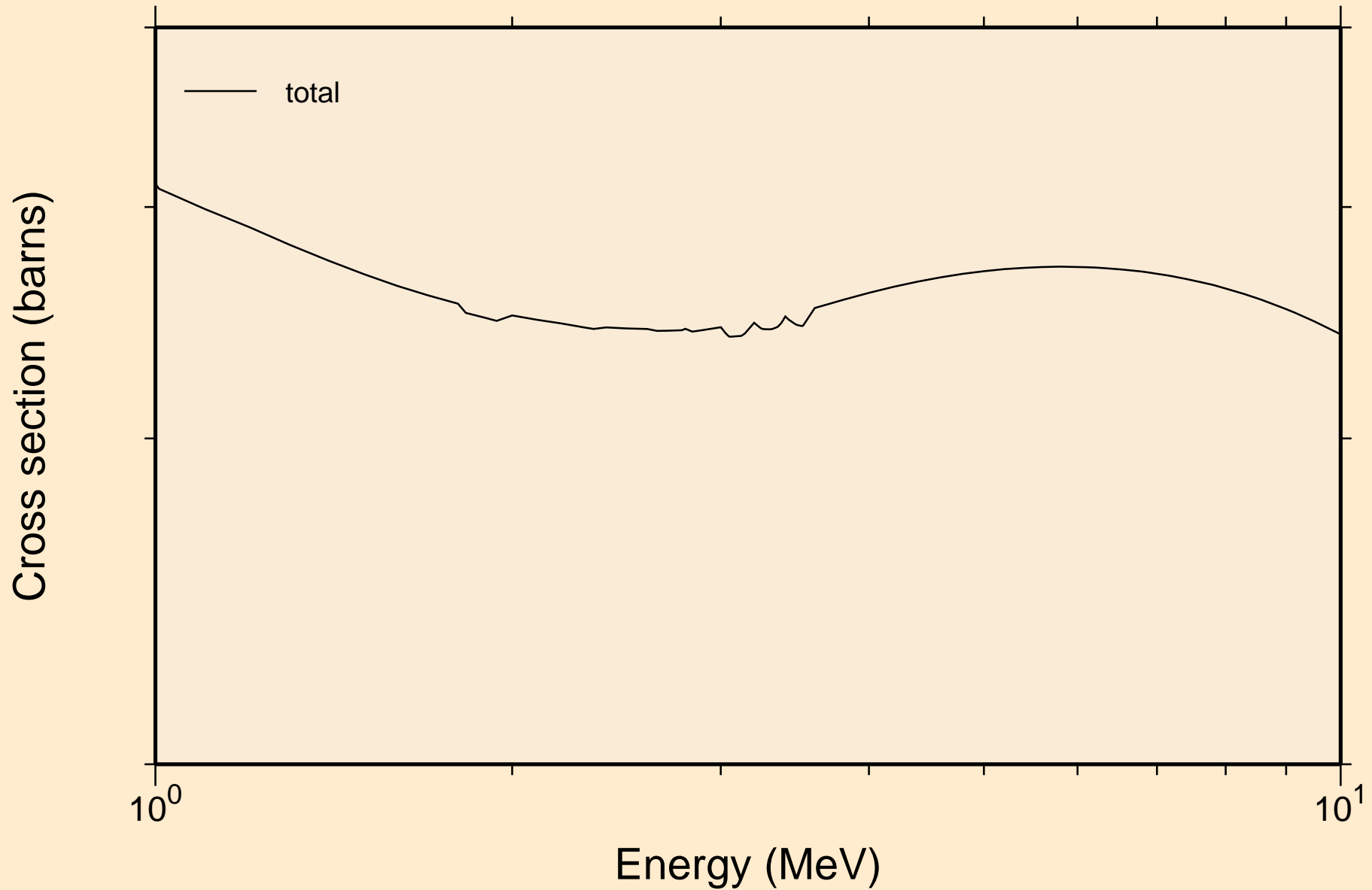
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



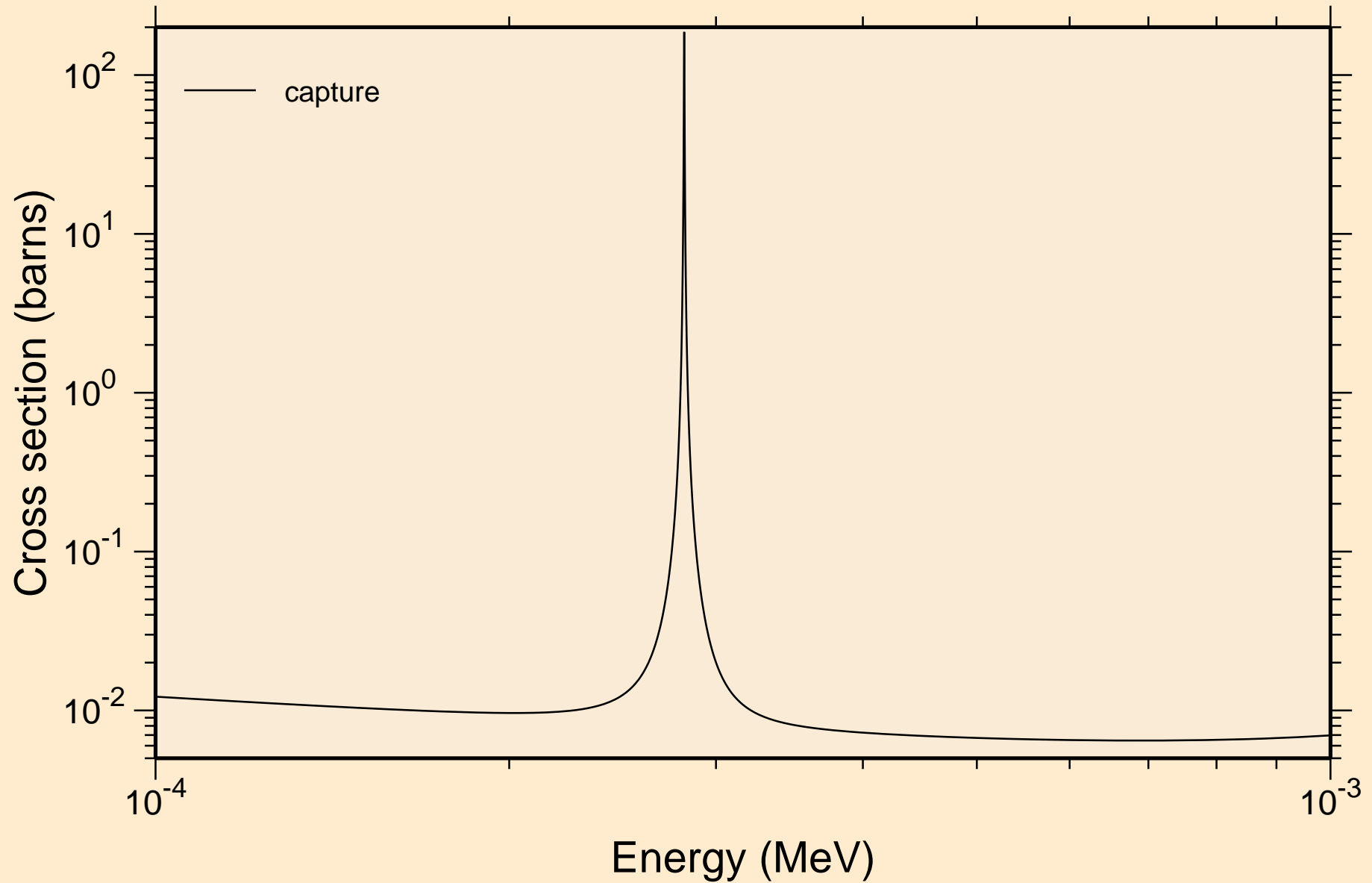
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



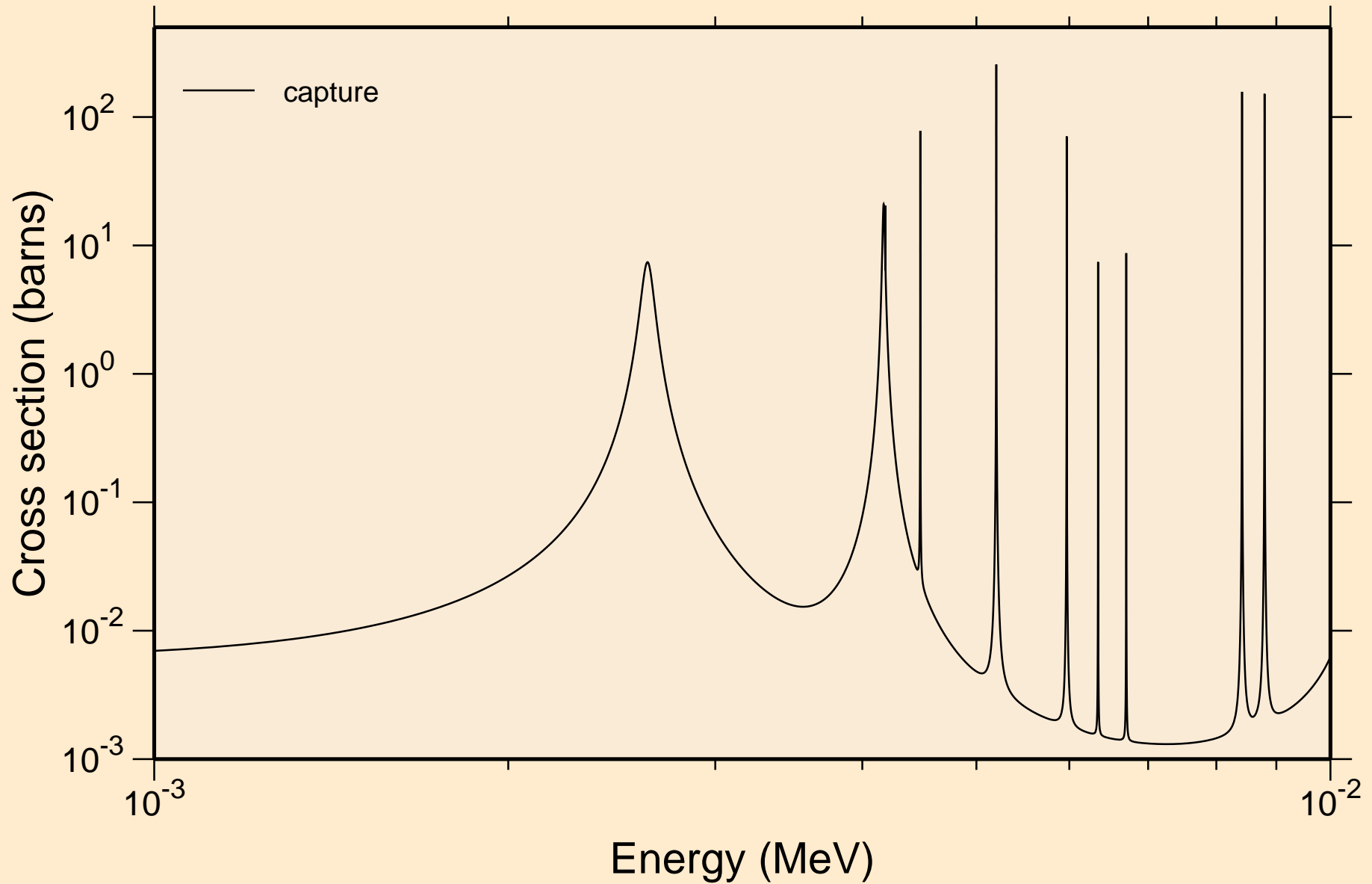
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



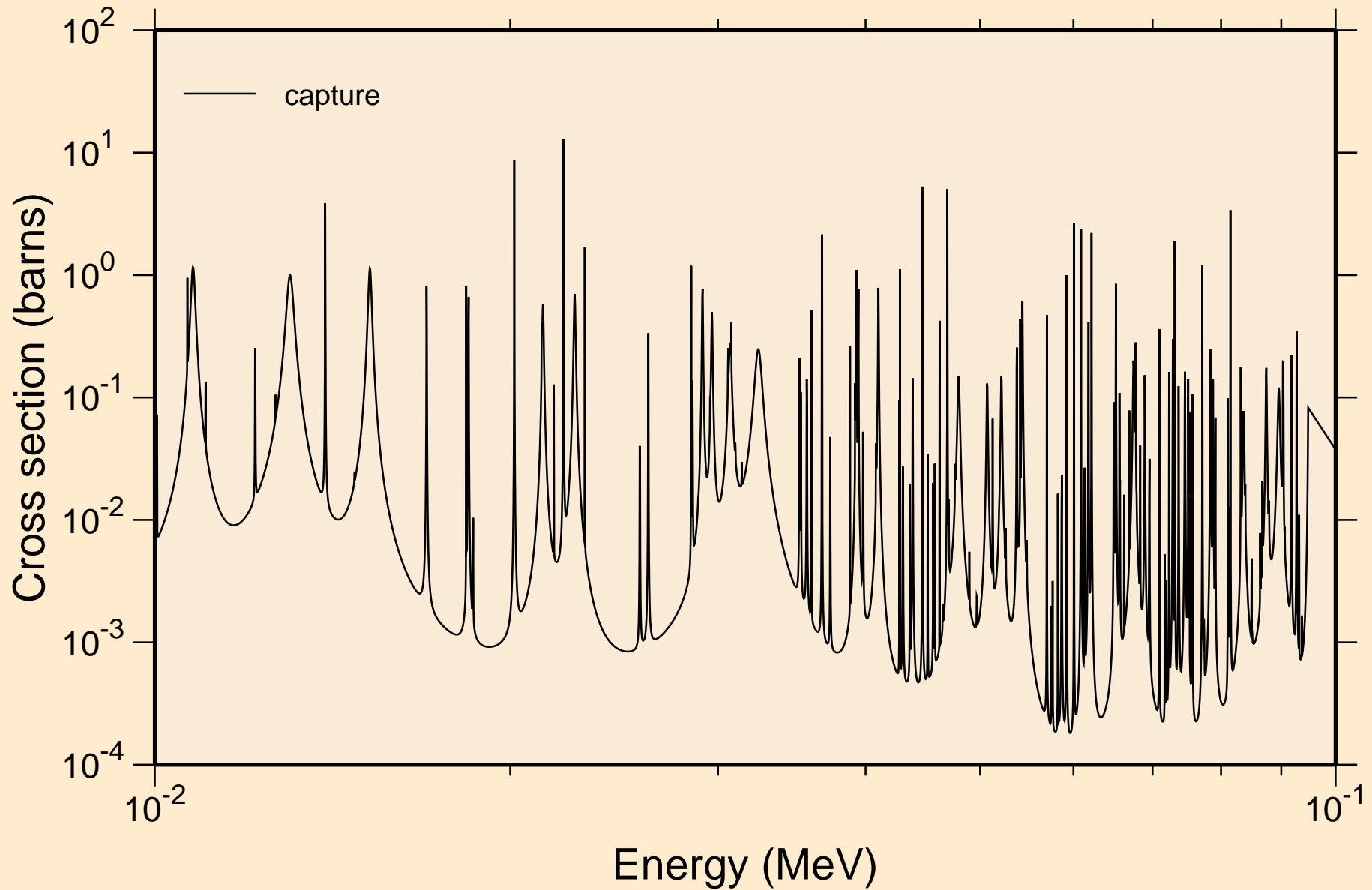
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

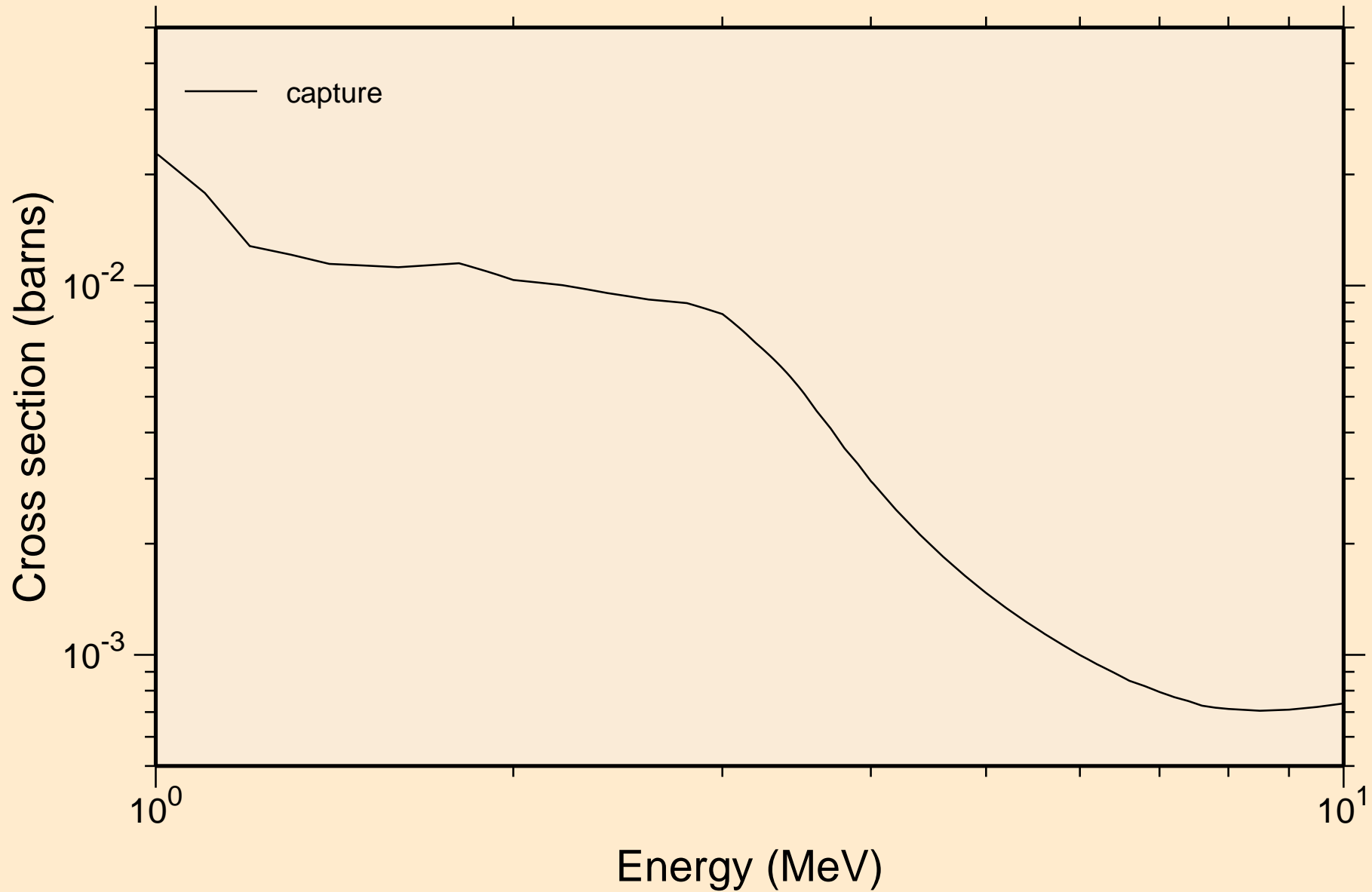


ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



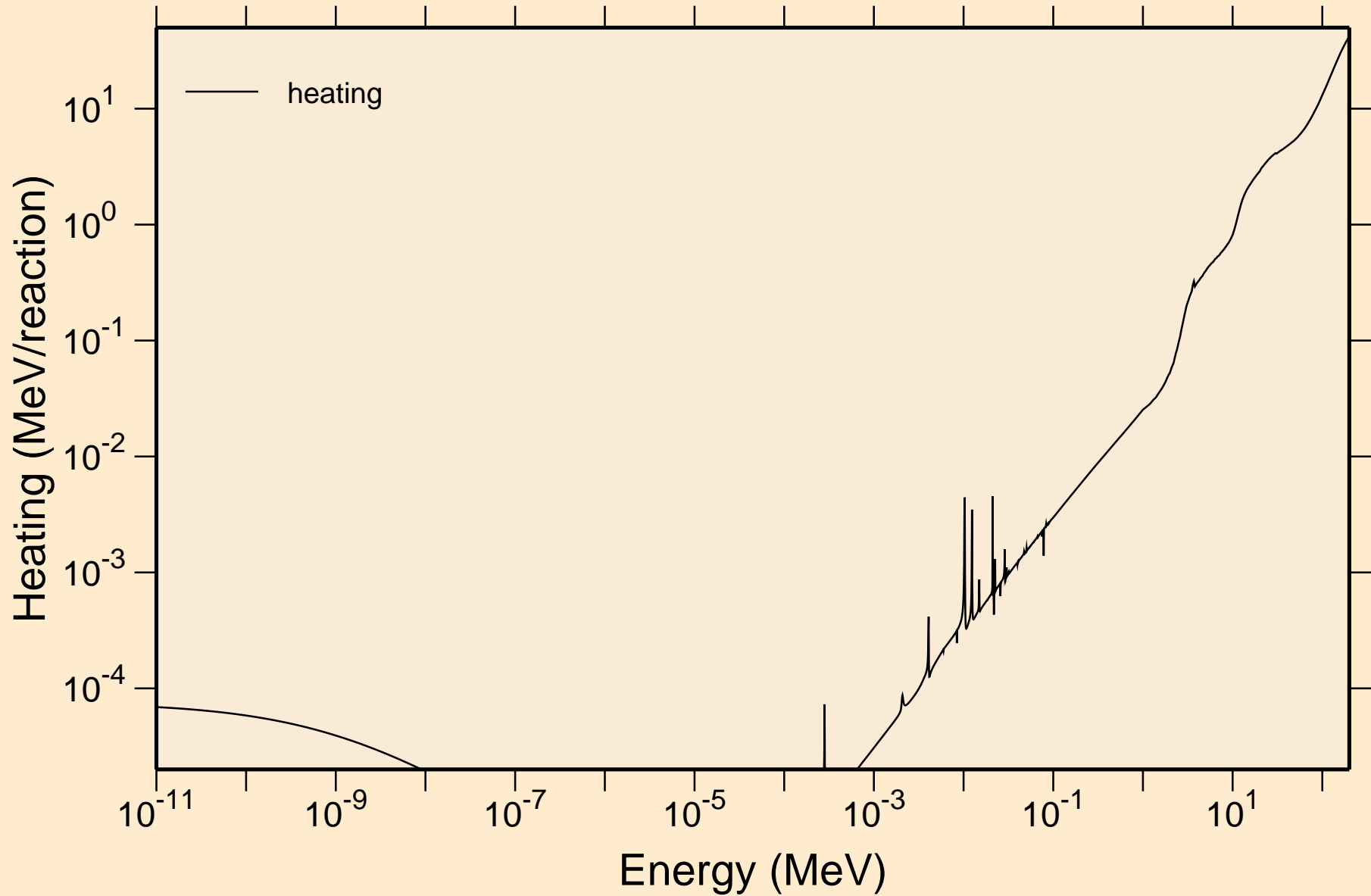


ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



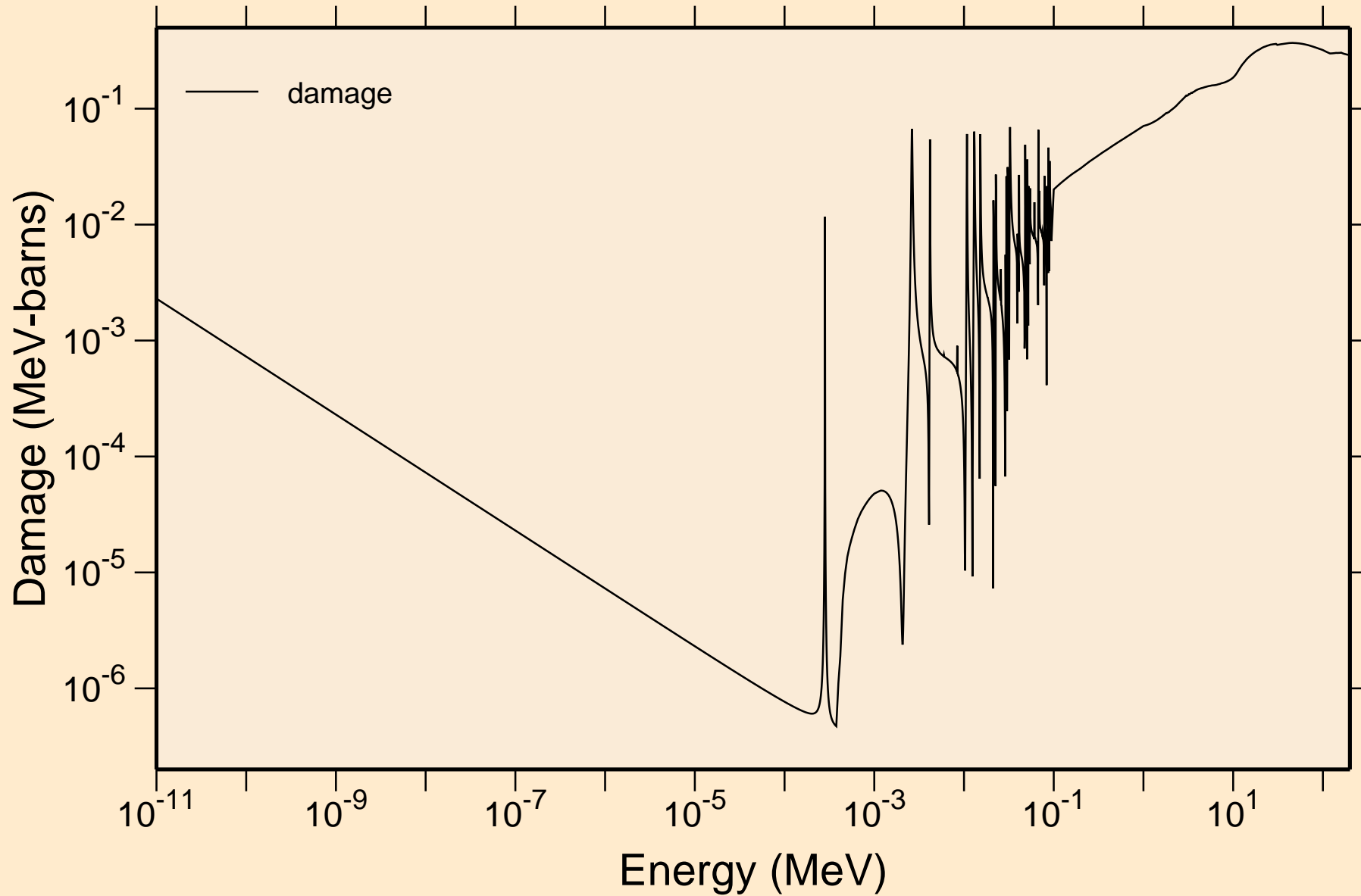
# ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



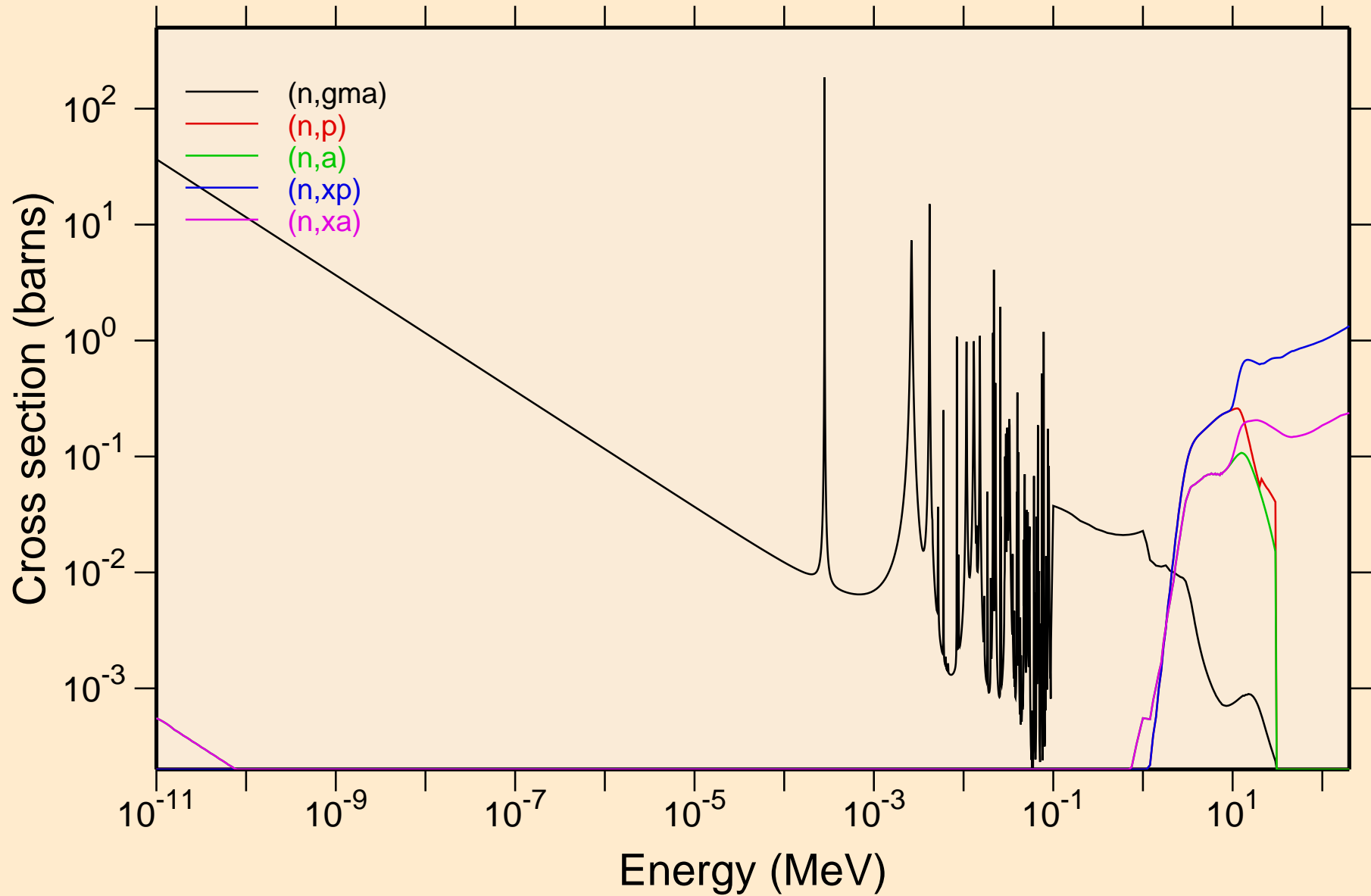
# ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage



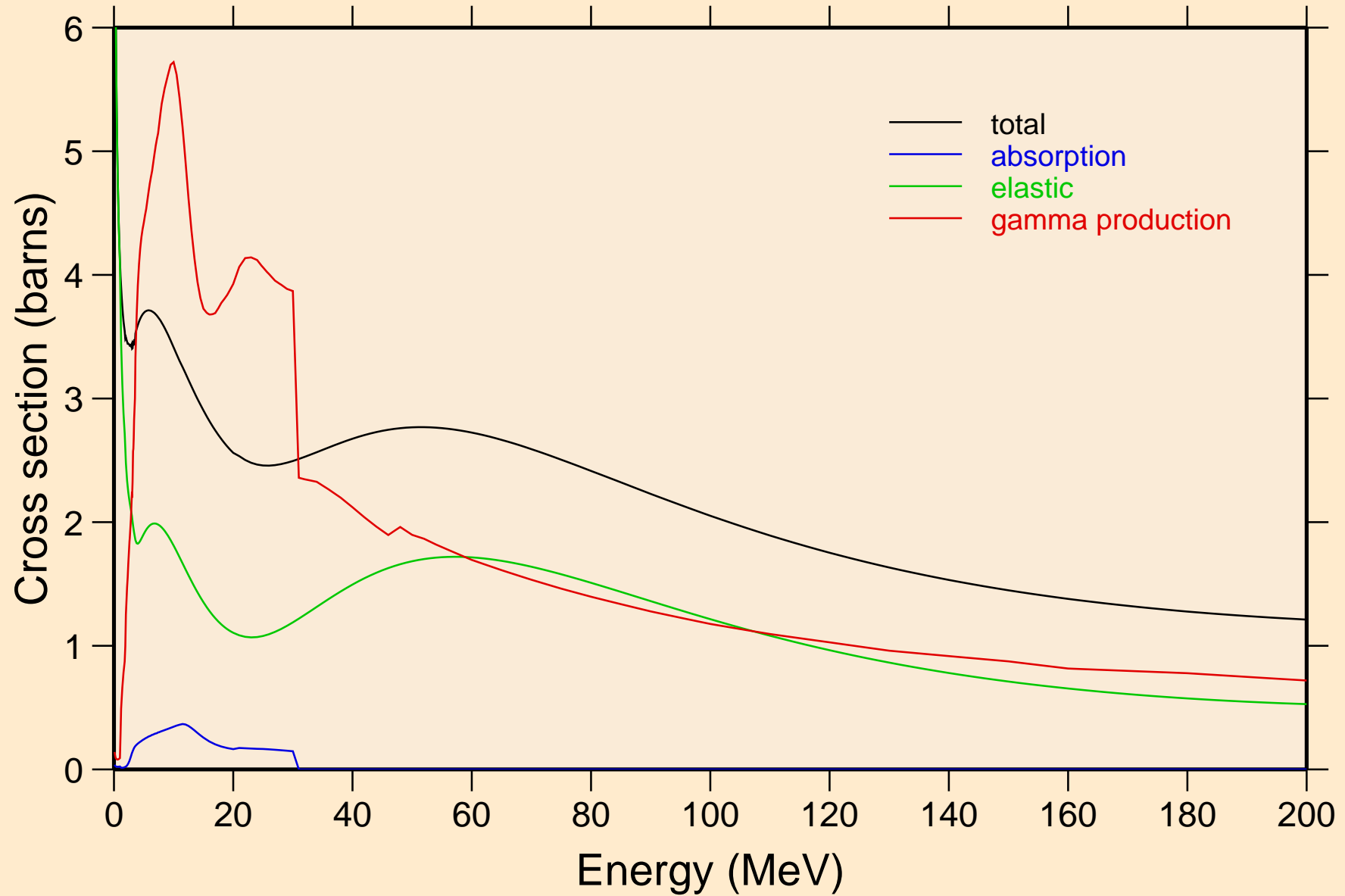
# ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions



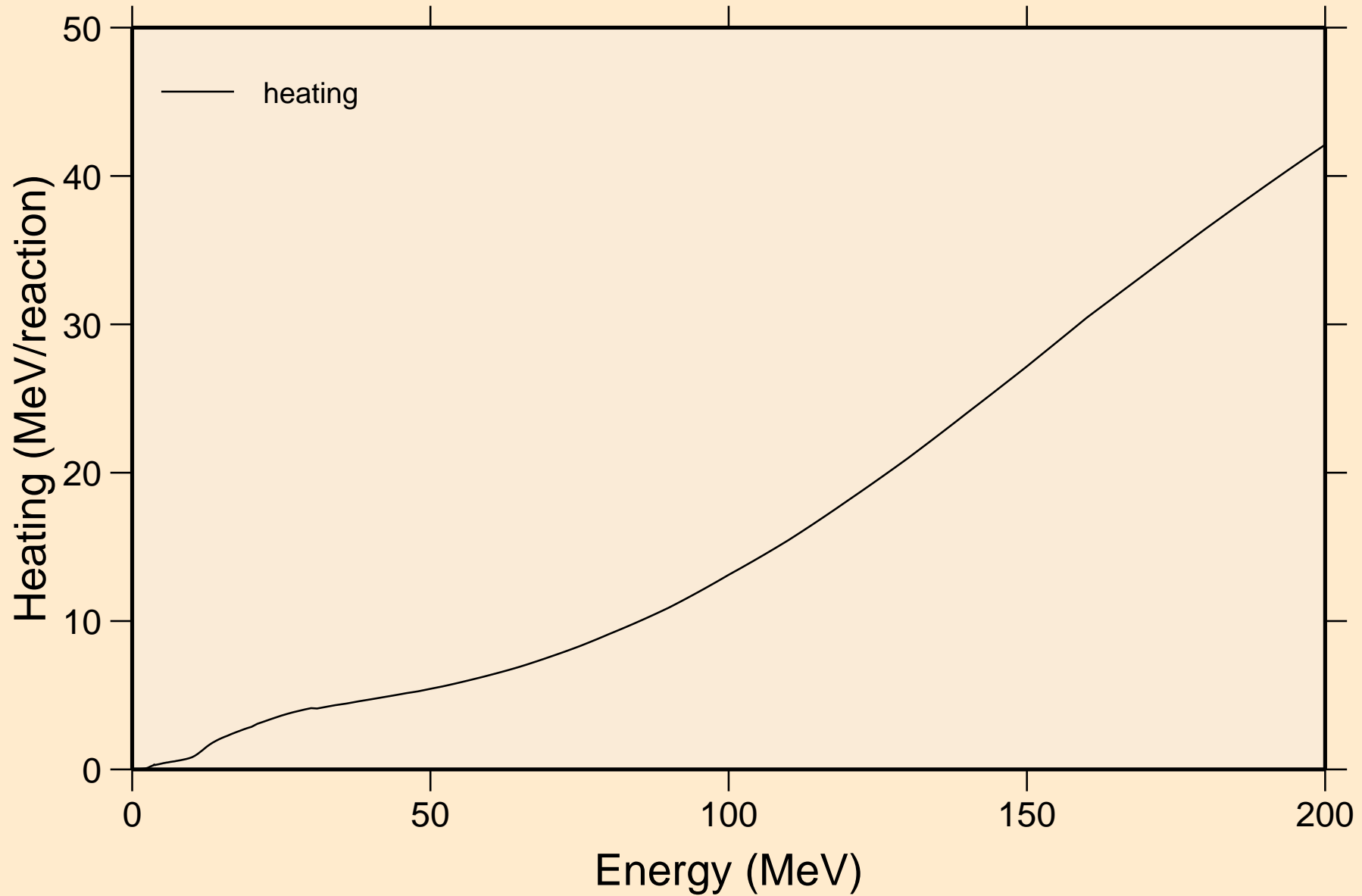
# ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



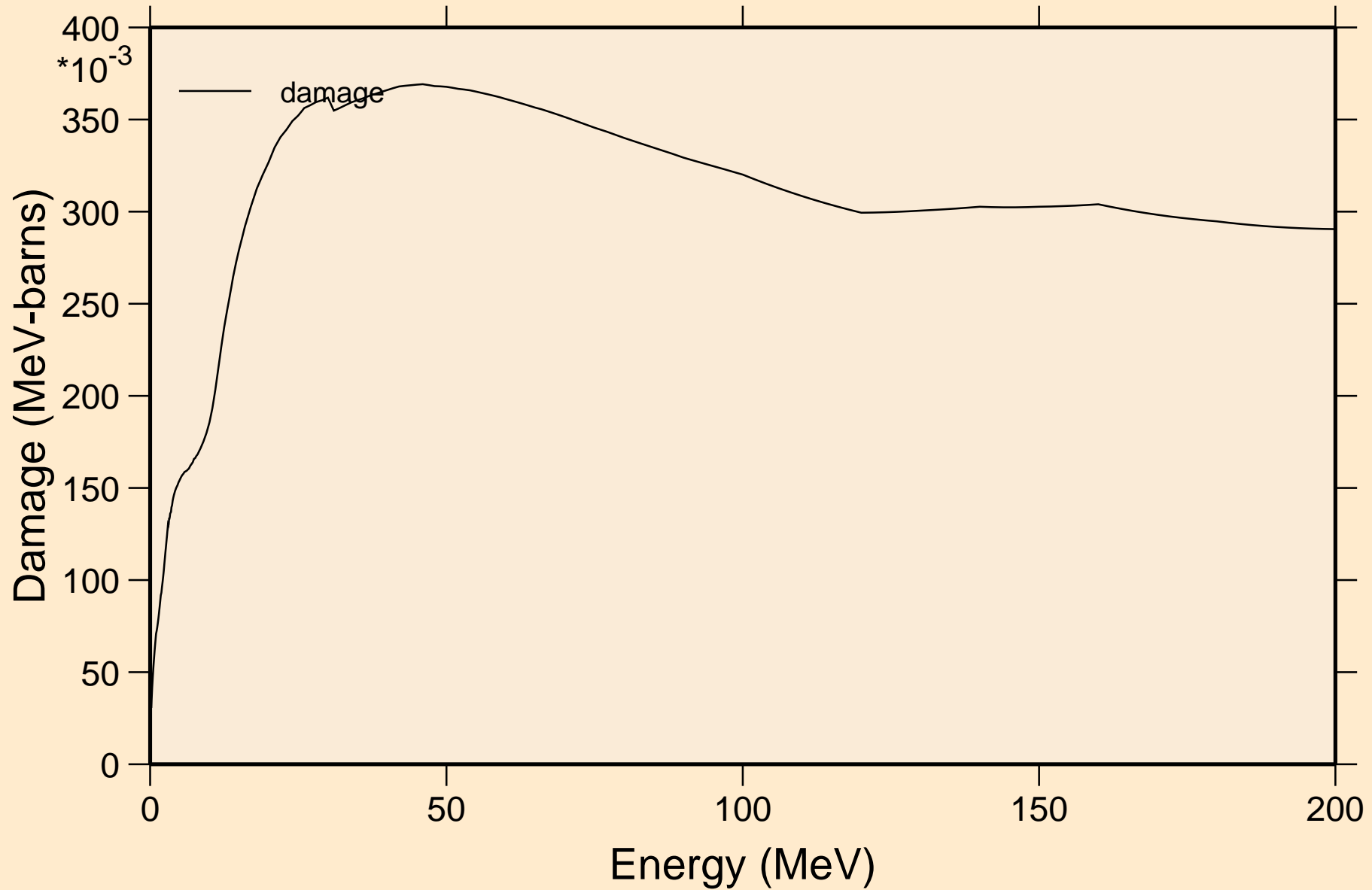
# ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



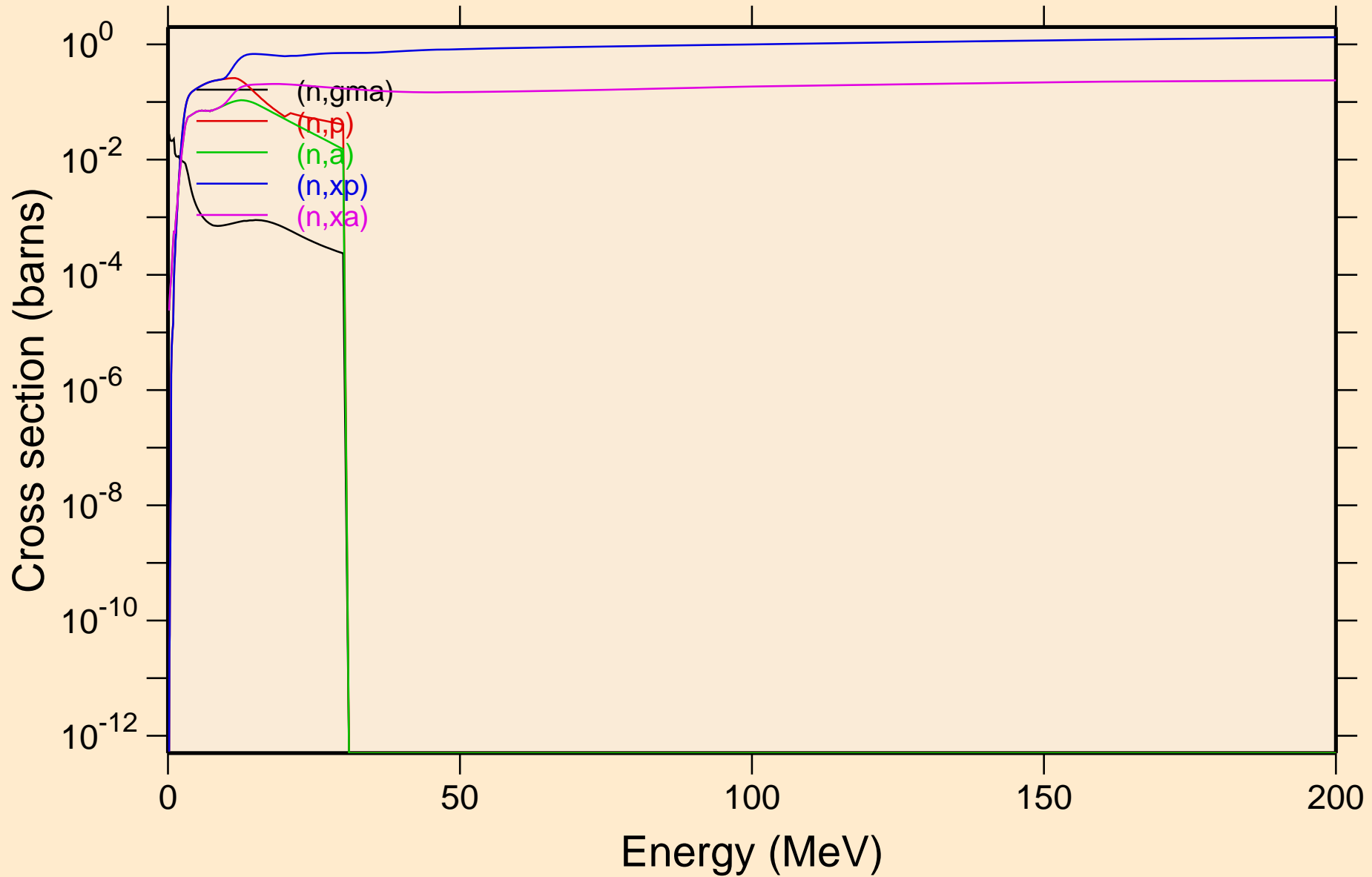
# ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage



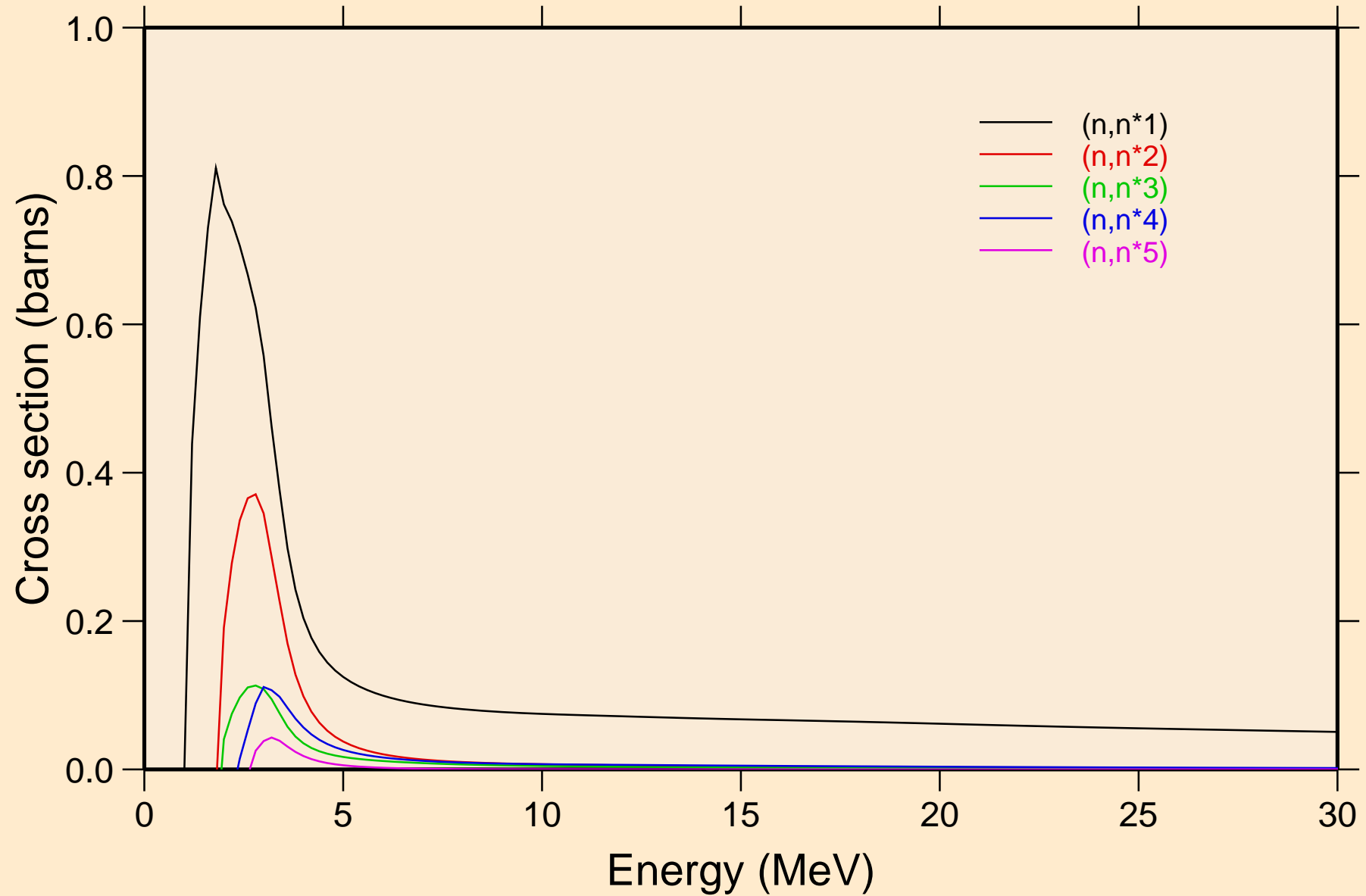
# ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

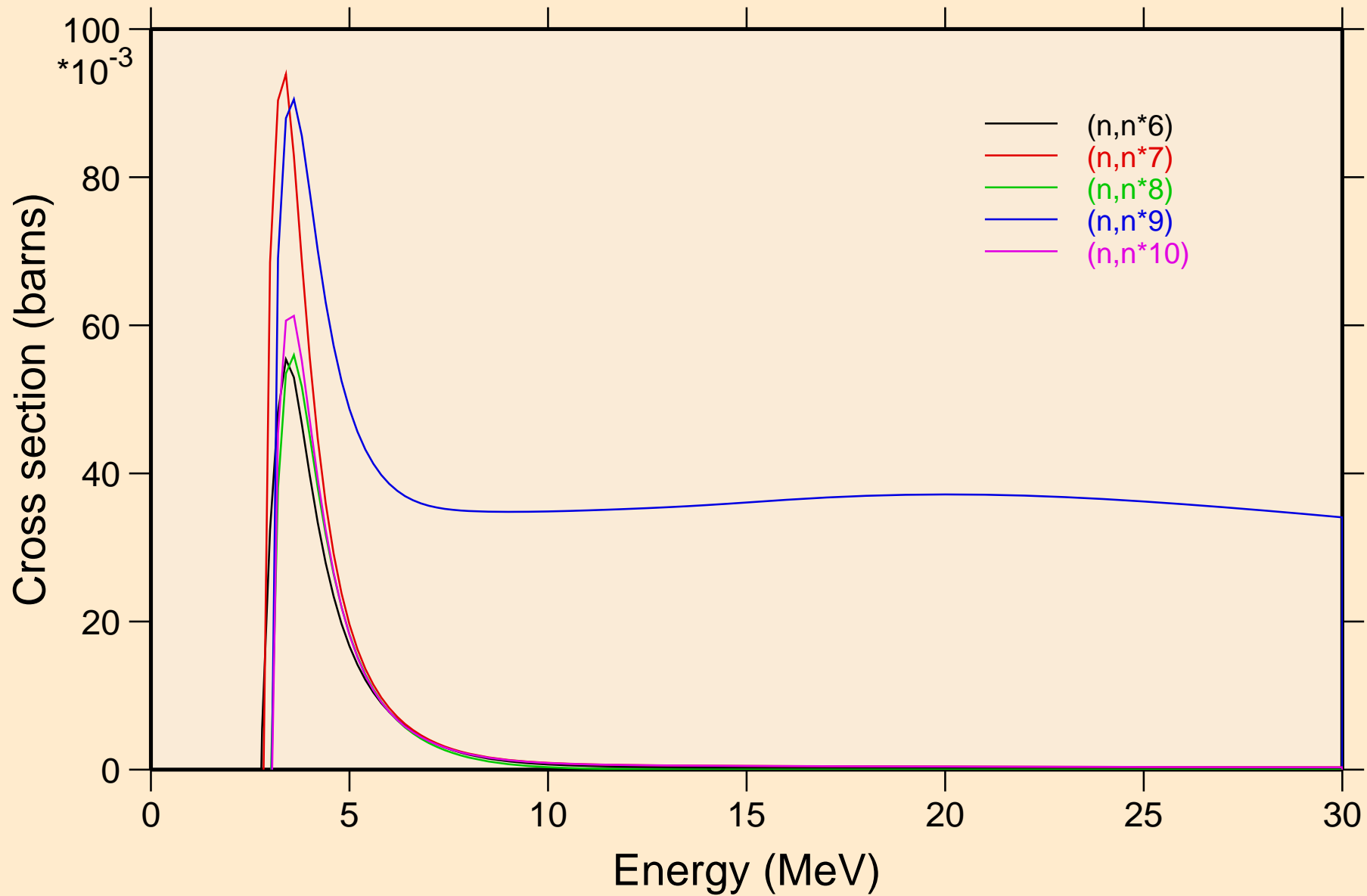




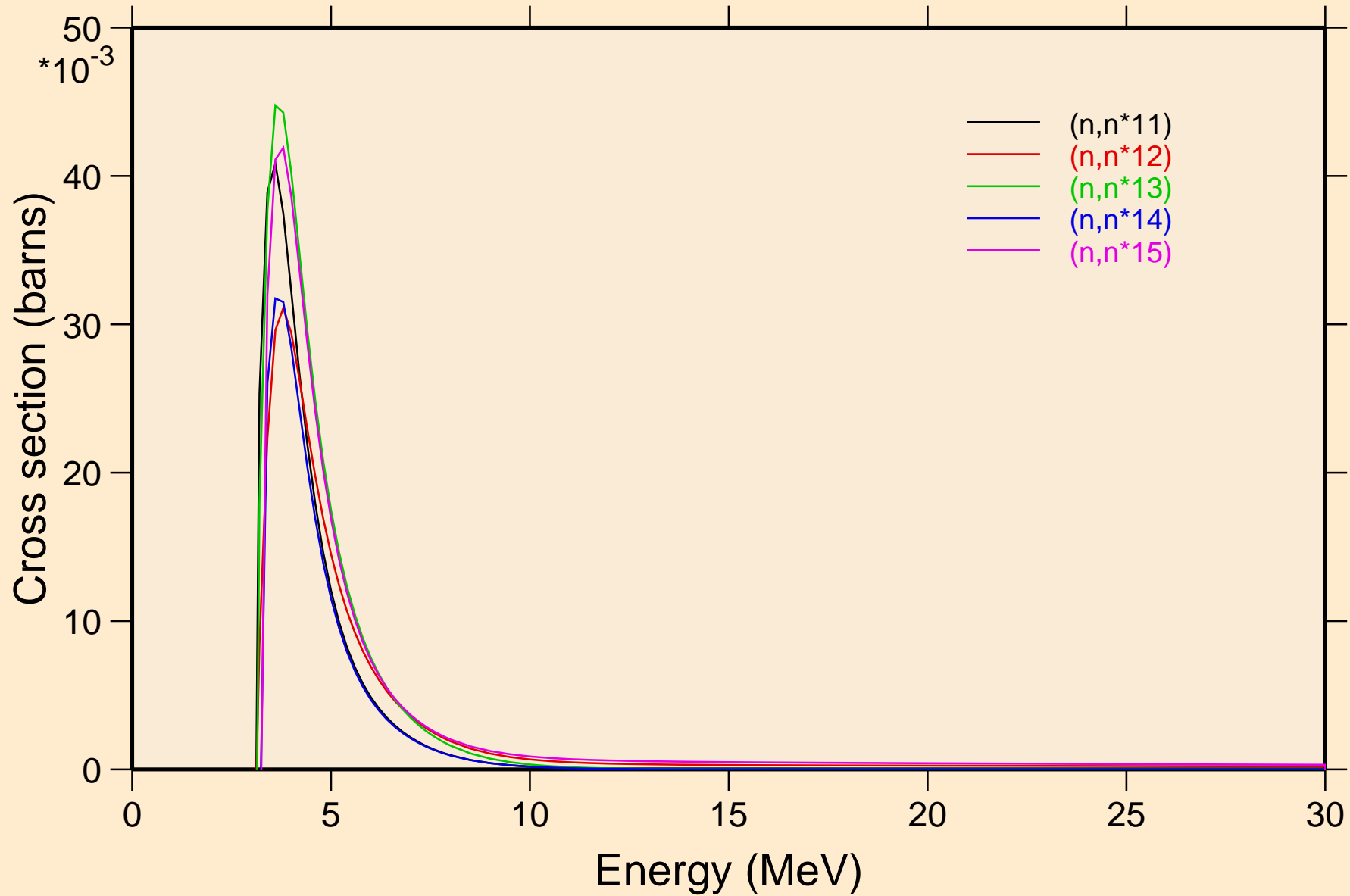
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



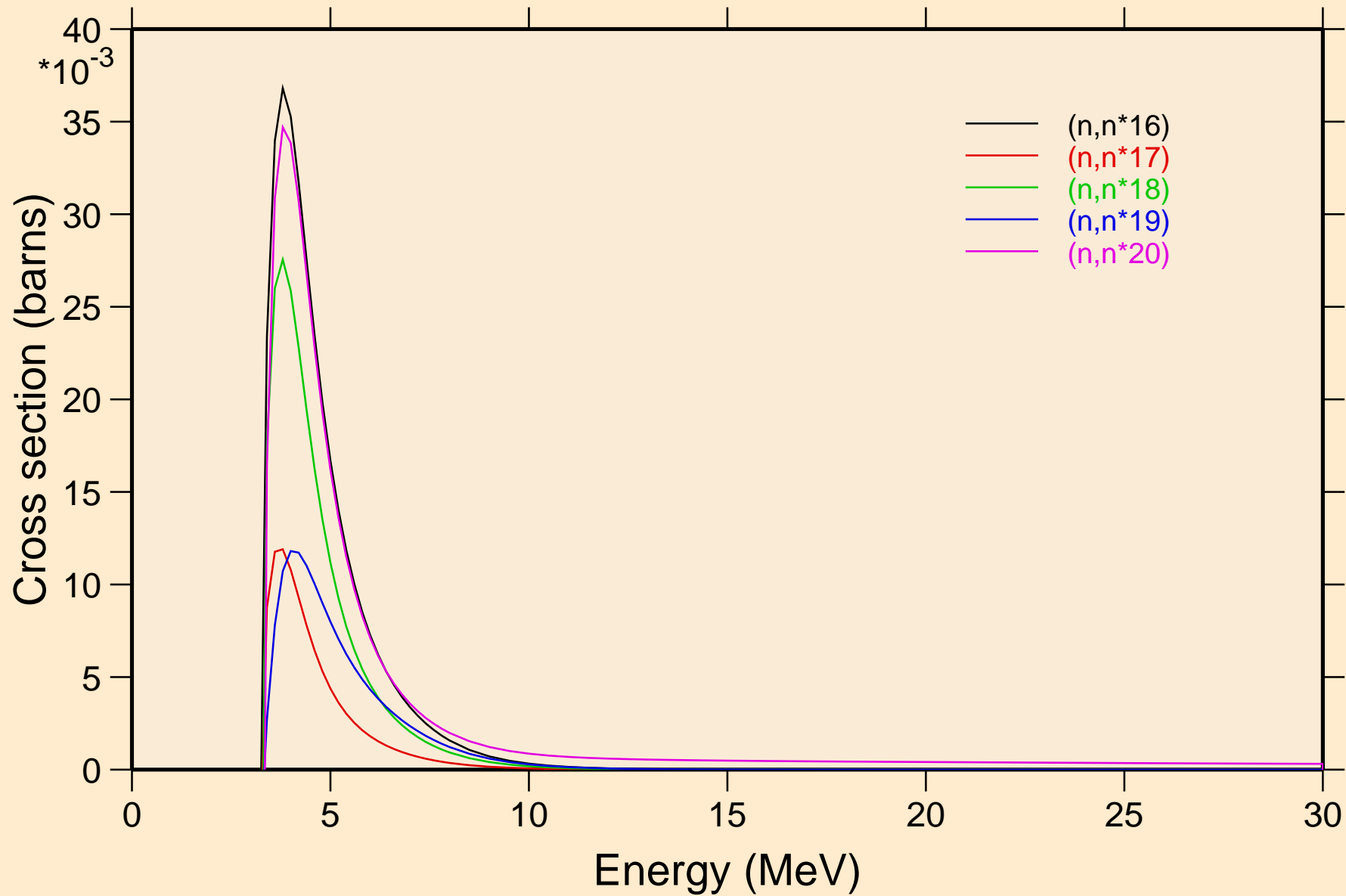
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



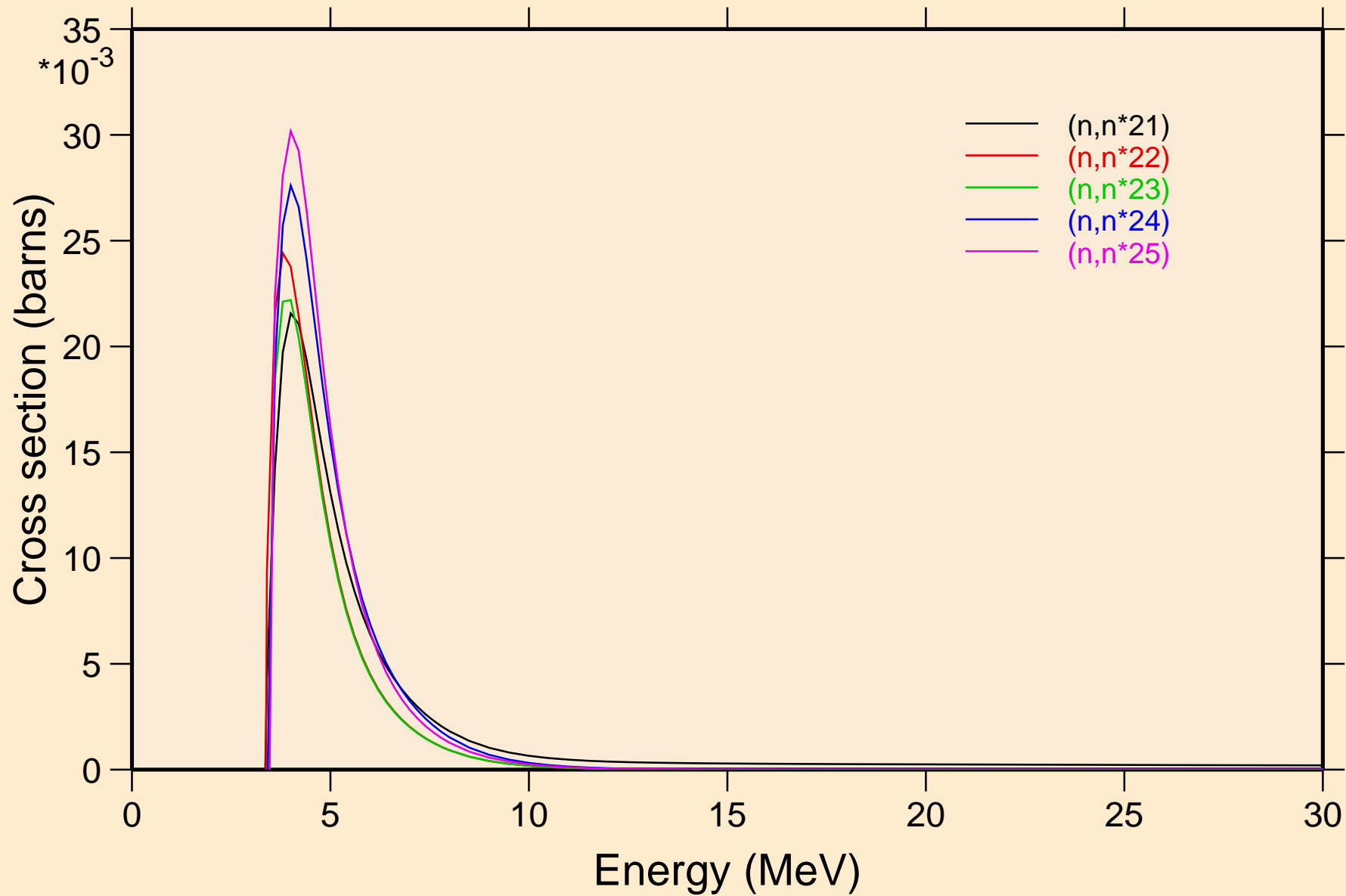
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

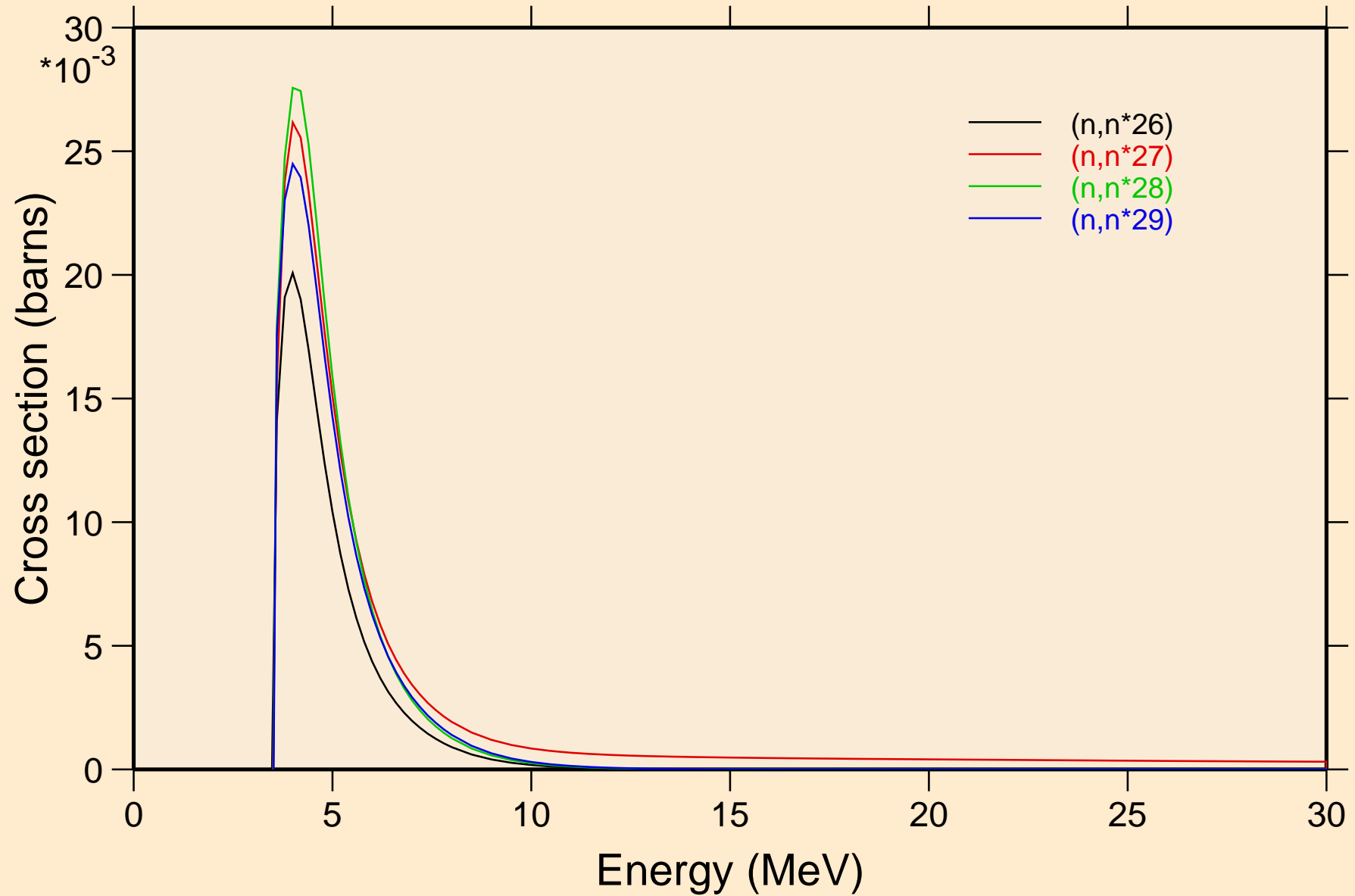


ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

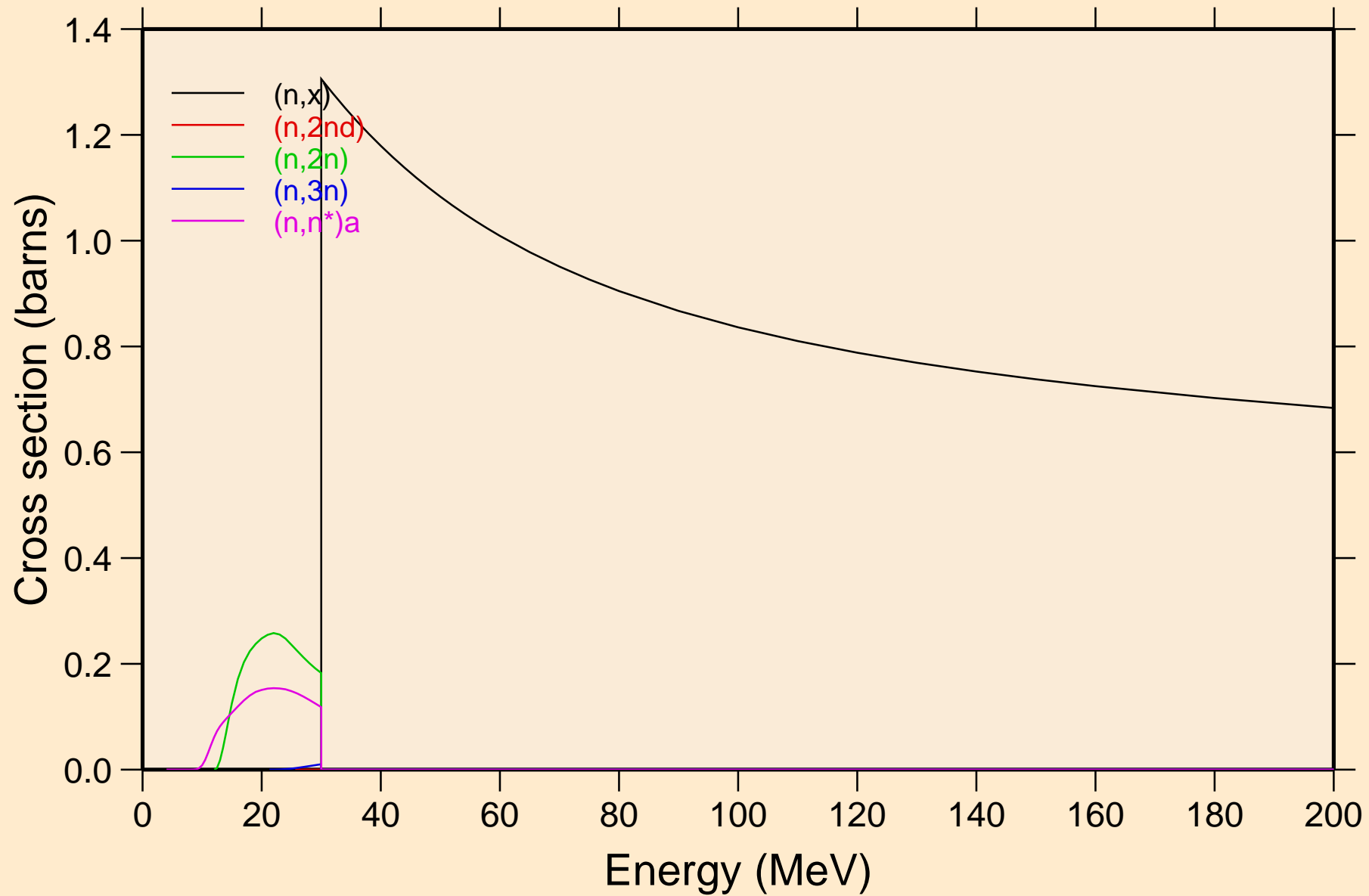


# ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

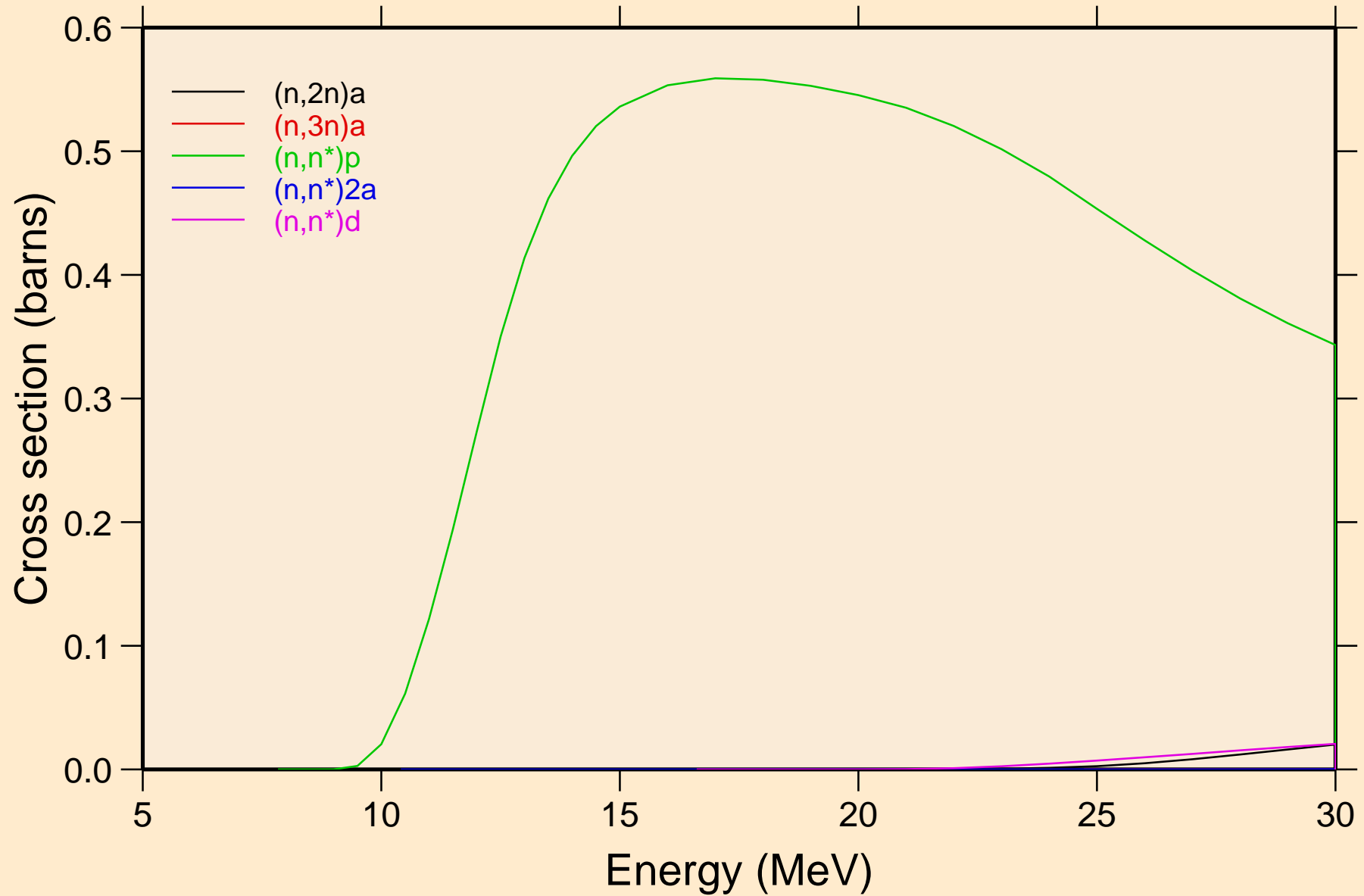
## Inelastic levels



ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



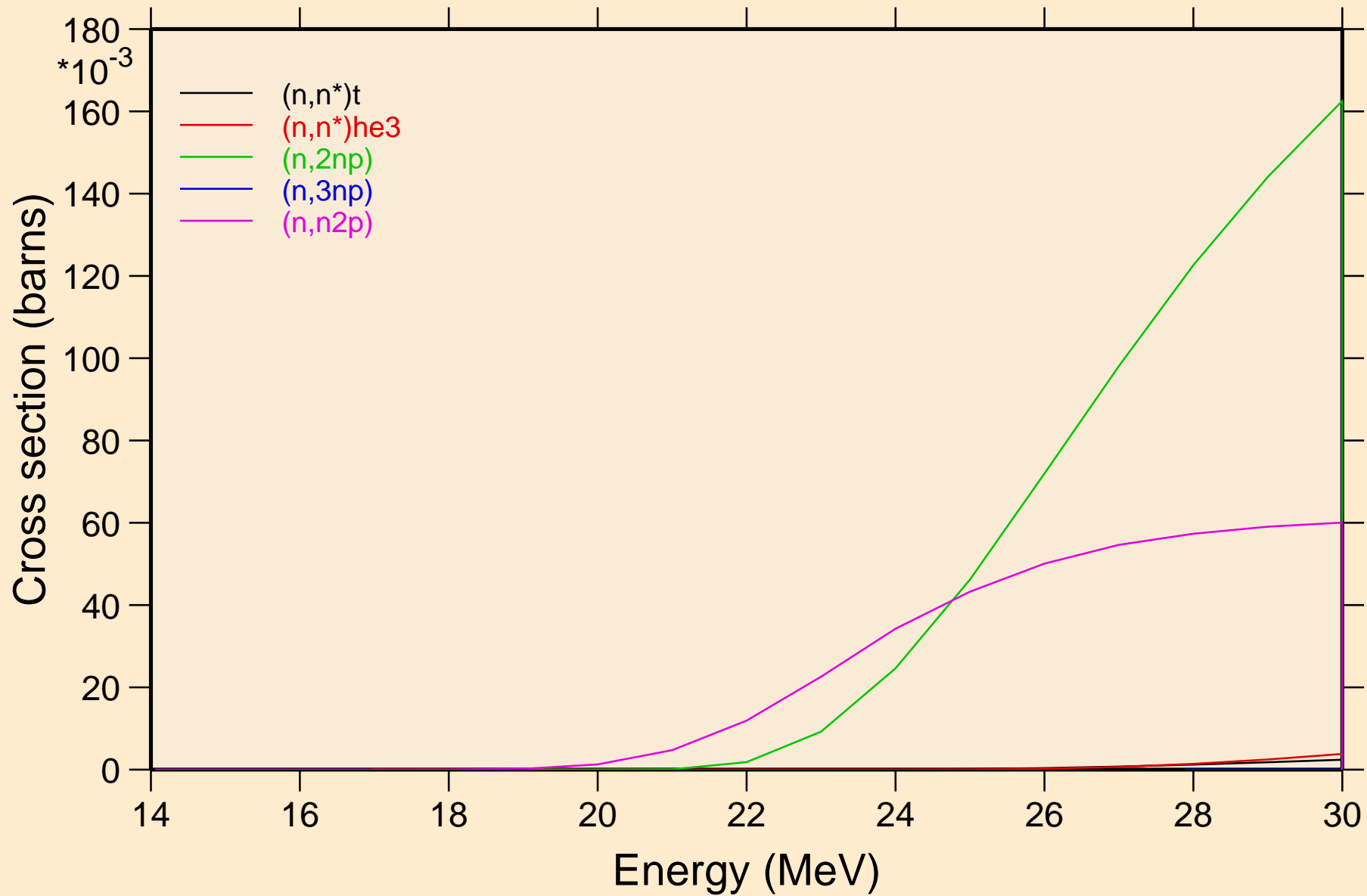
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



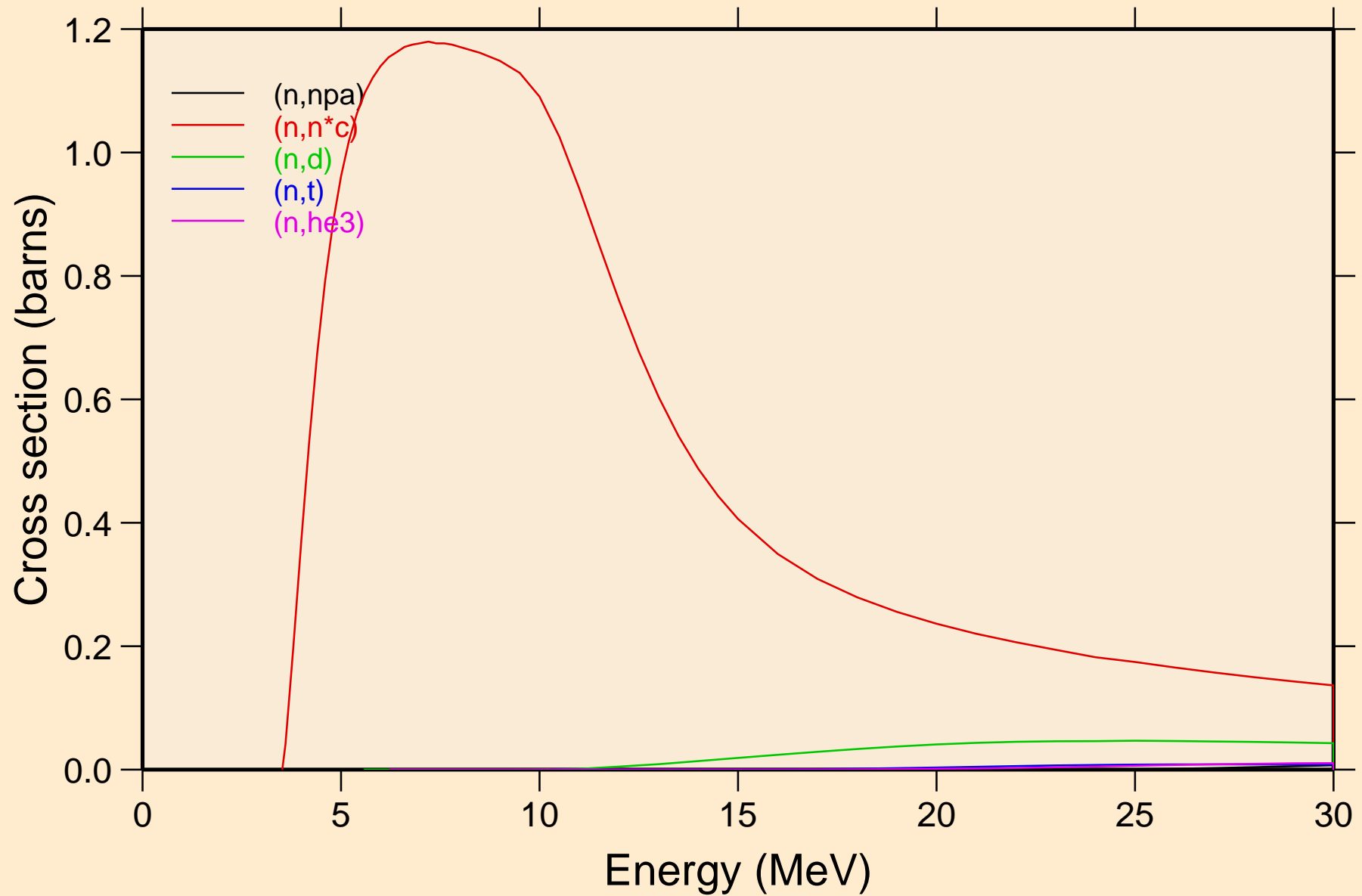


# ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

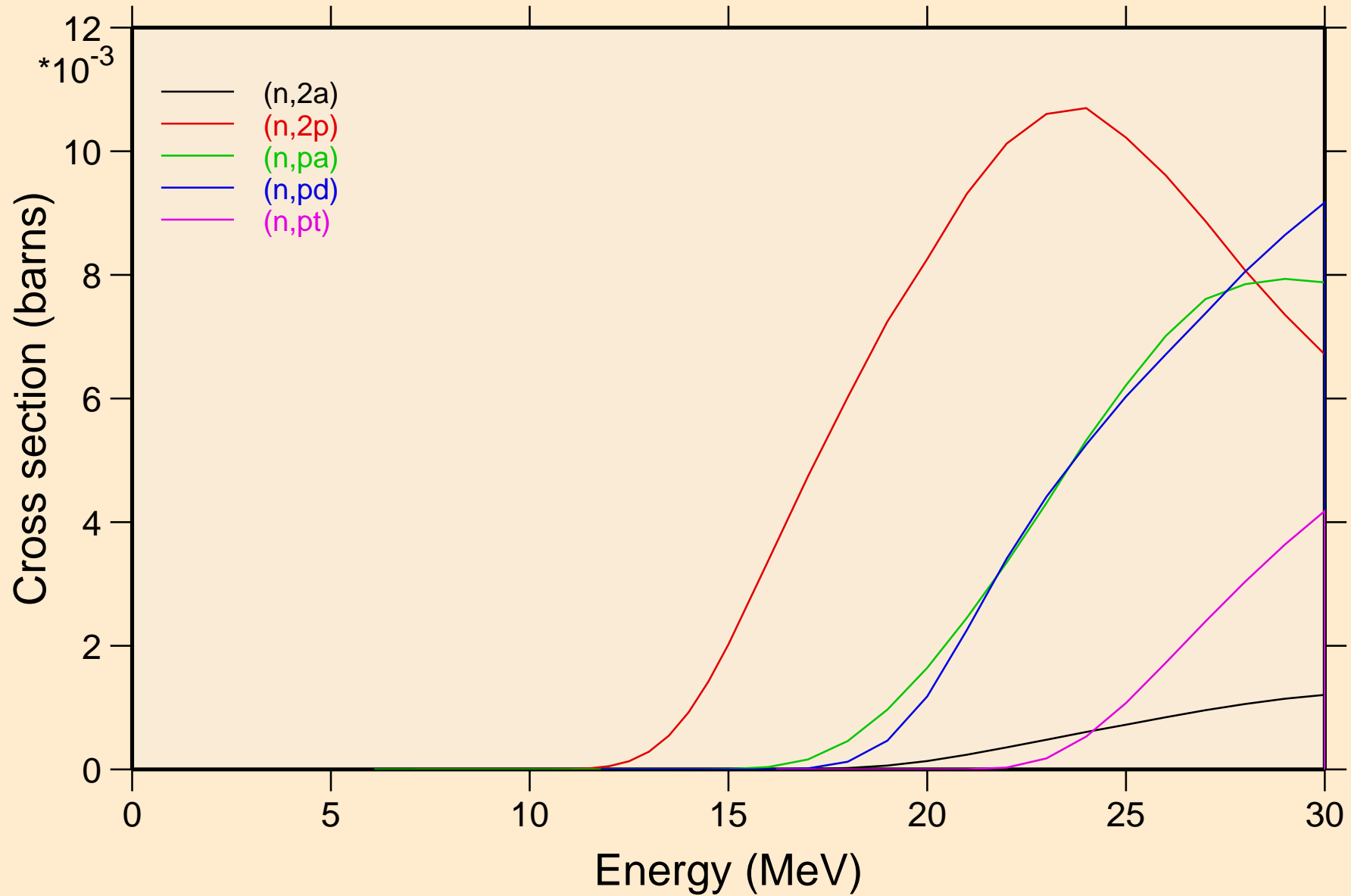
## Threshold reactions



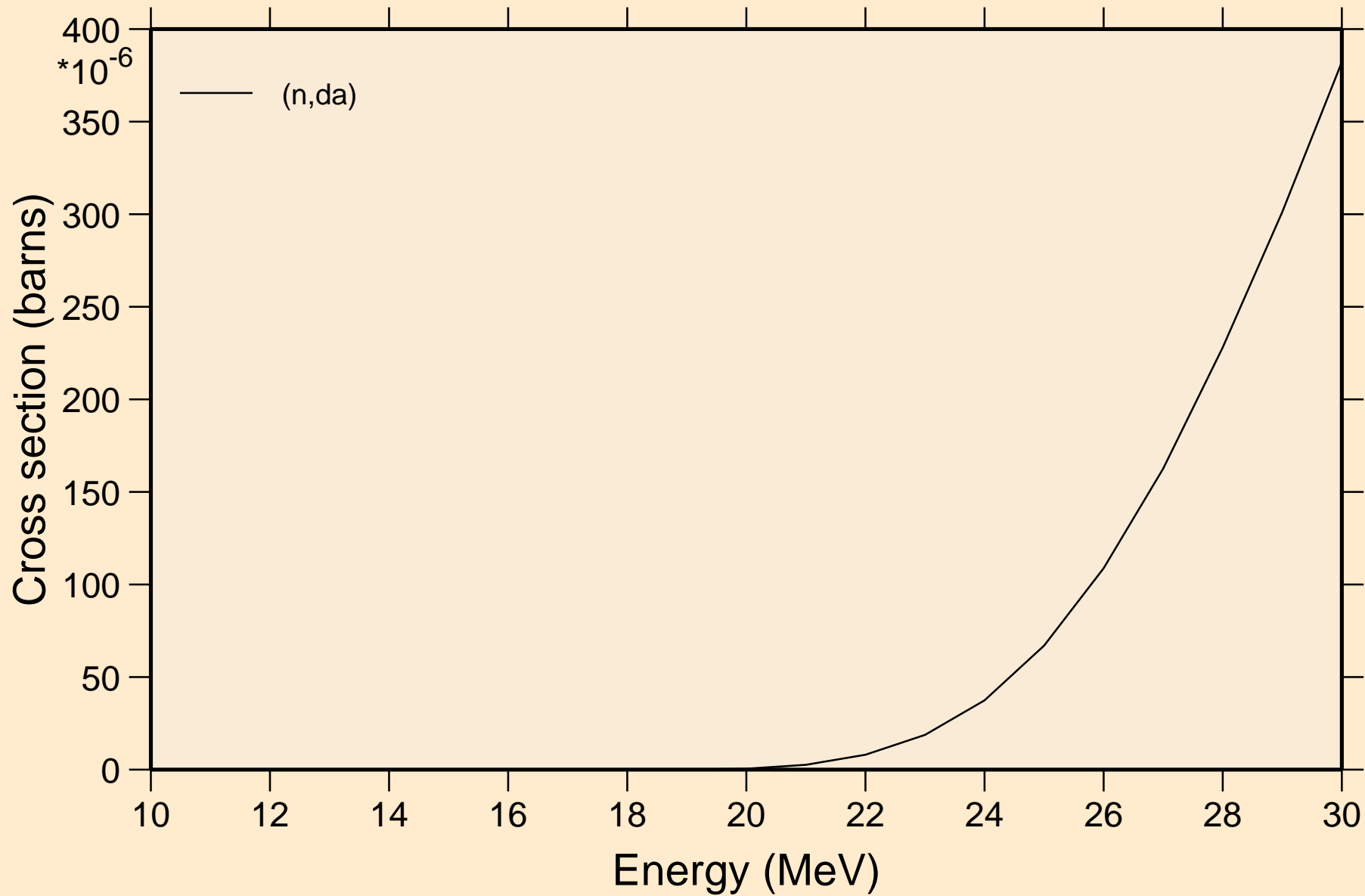
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

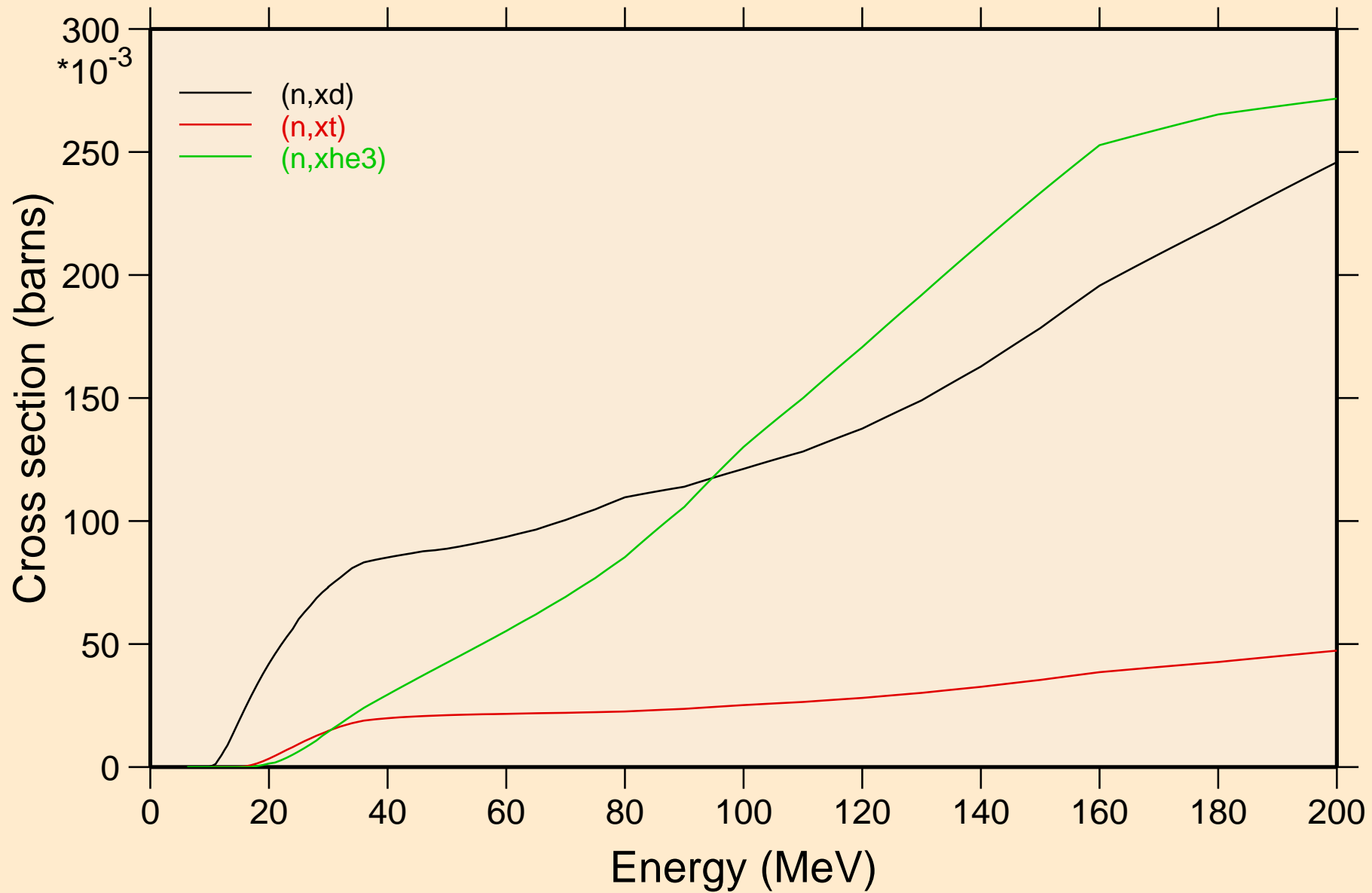


ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

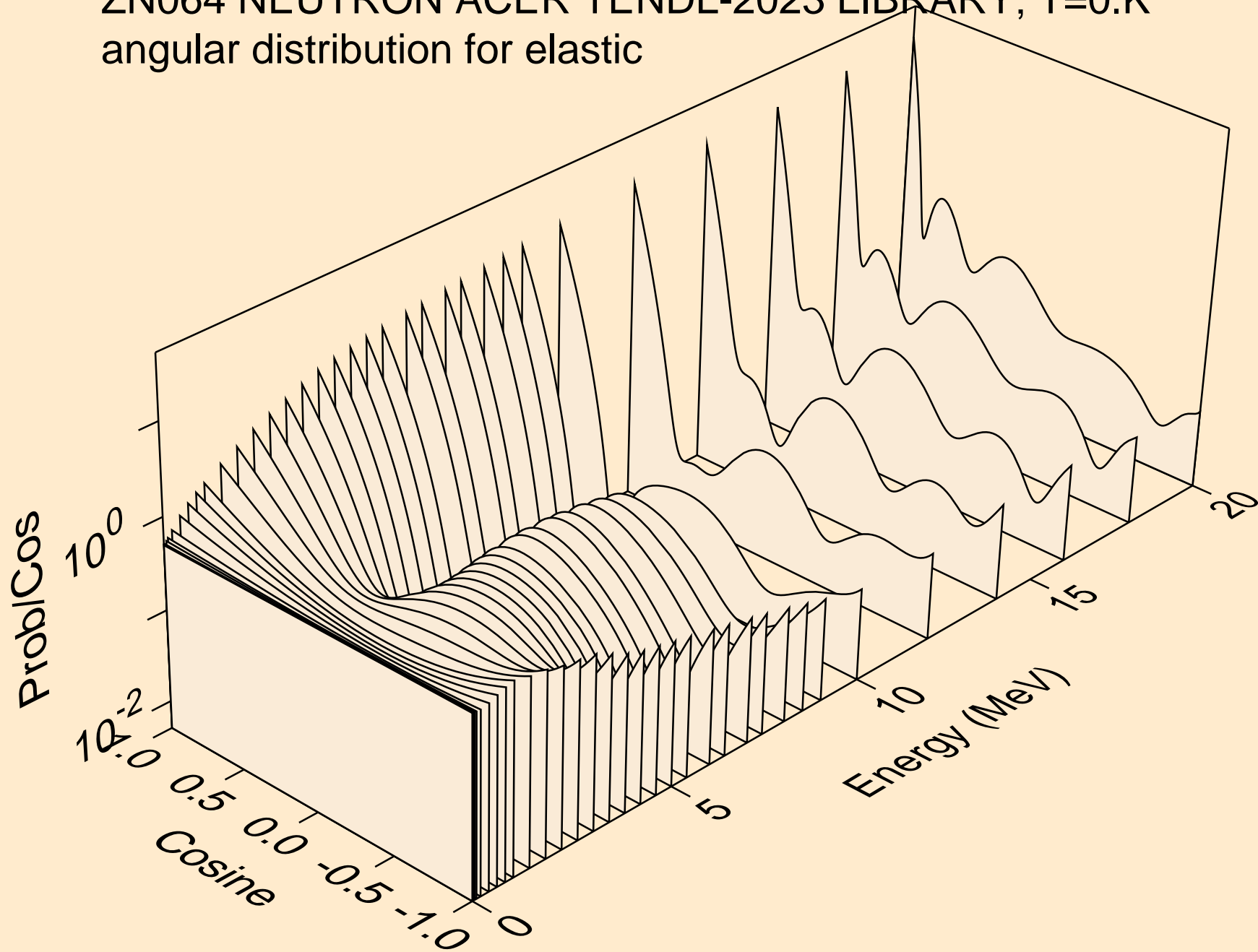


# ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

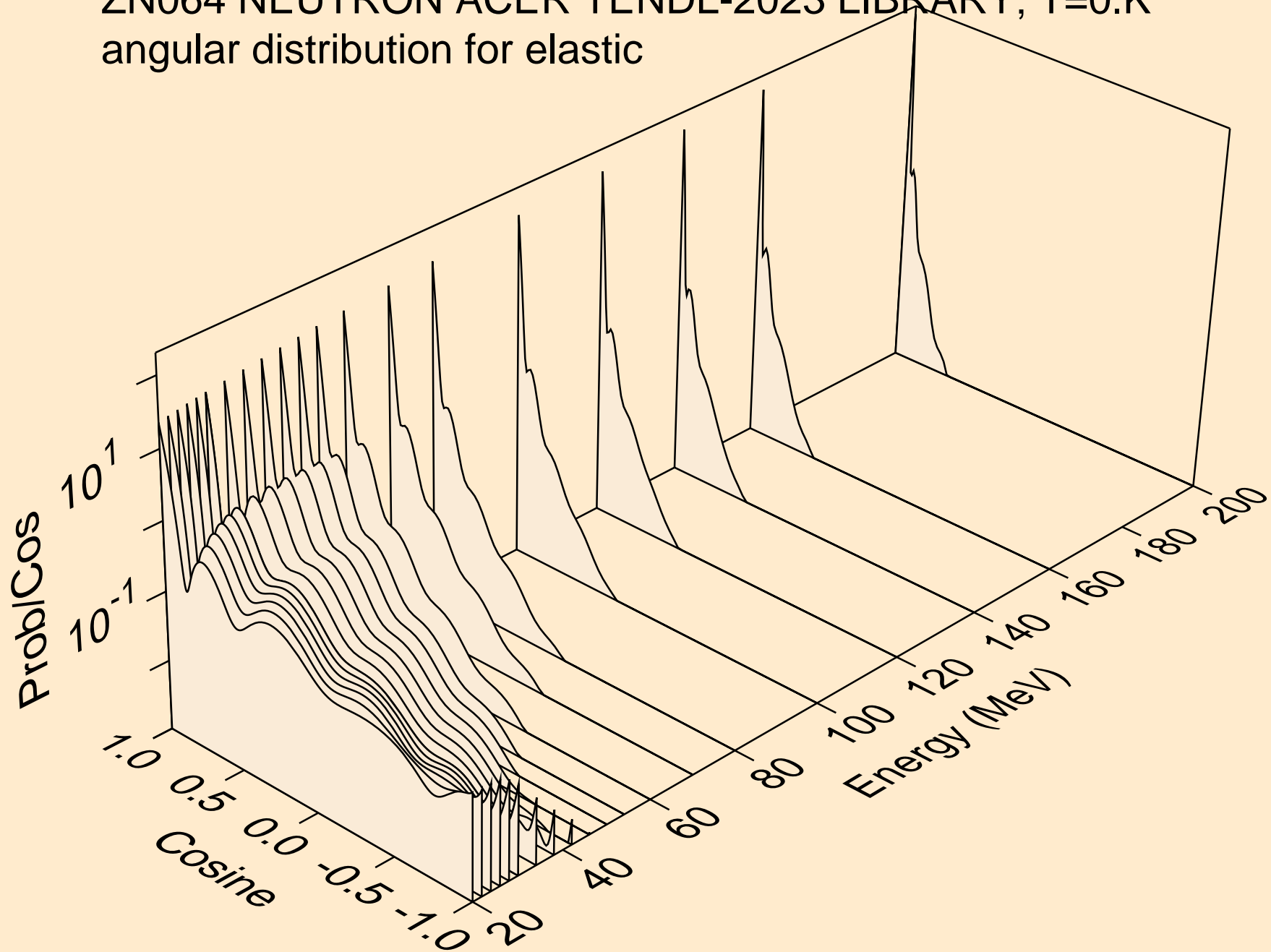
## Threshold reactions



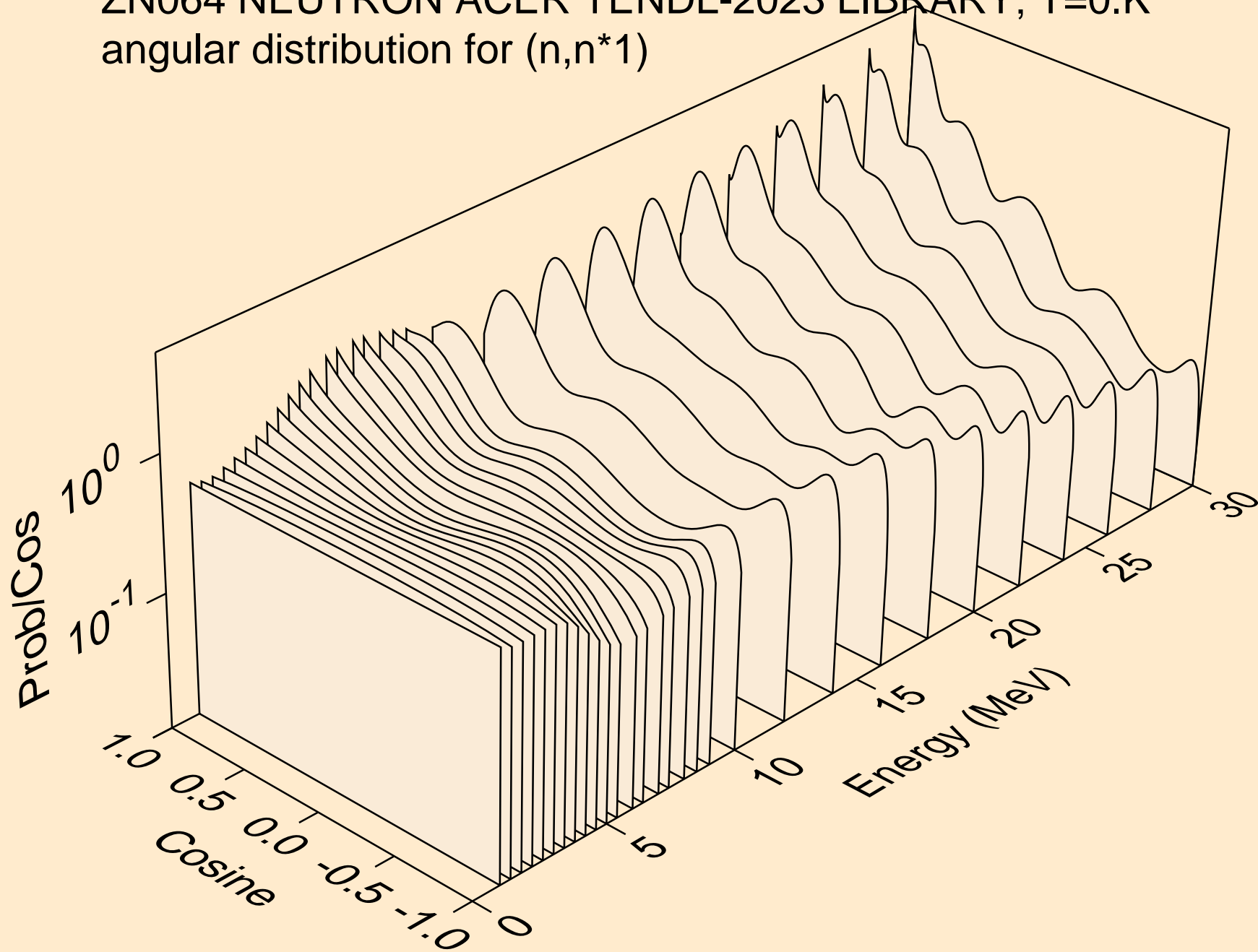
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

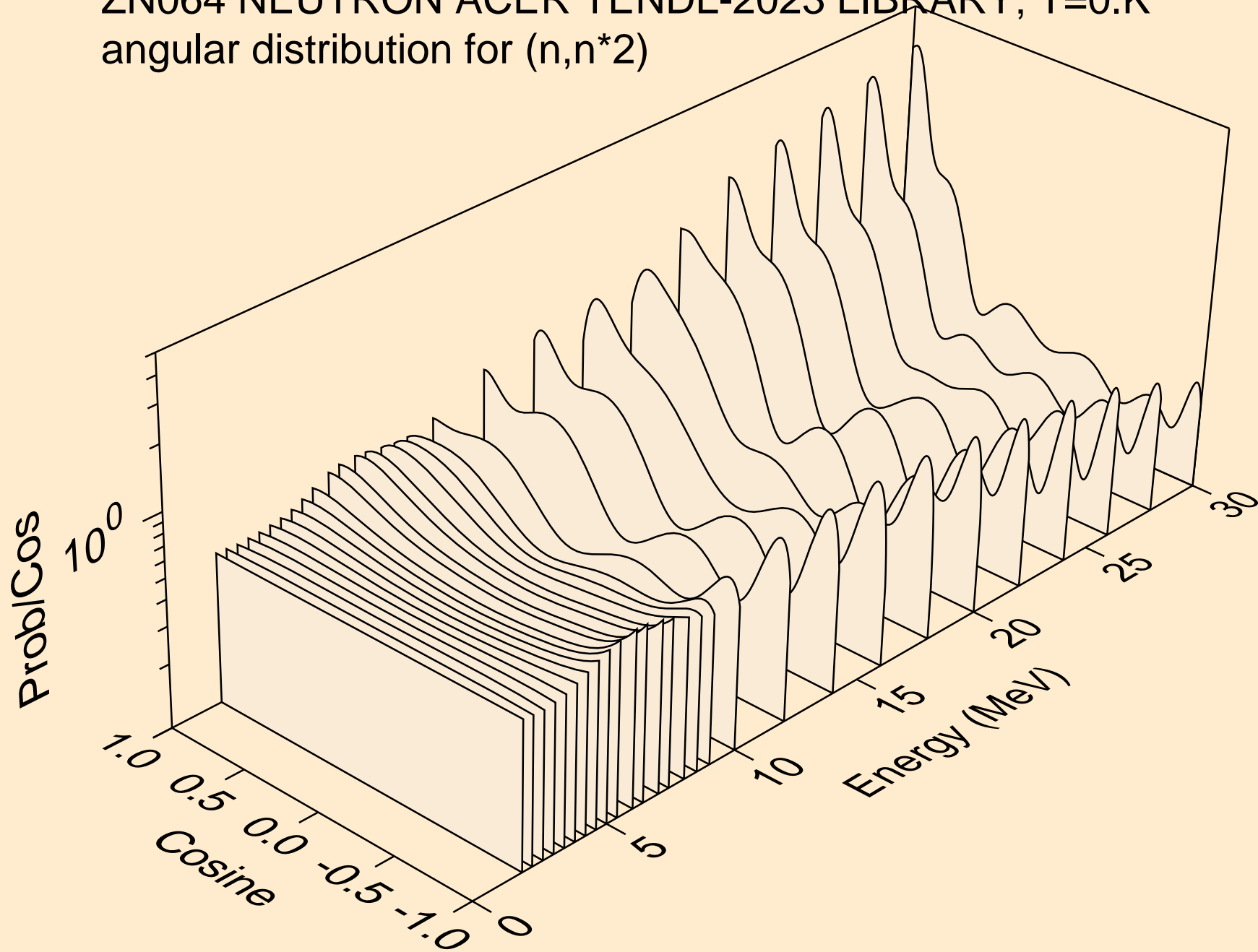


ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

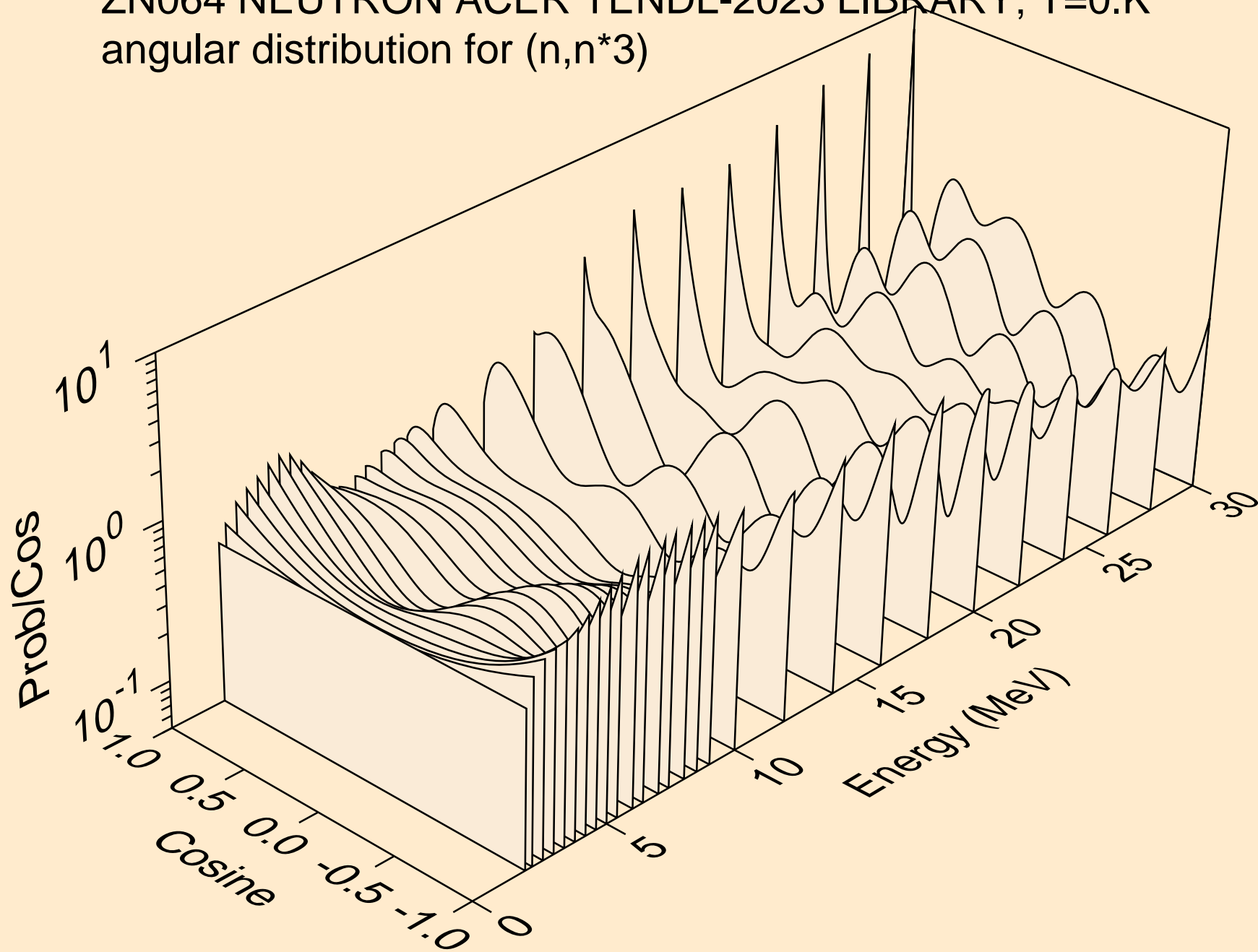




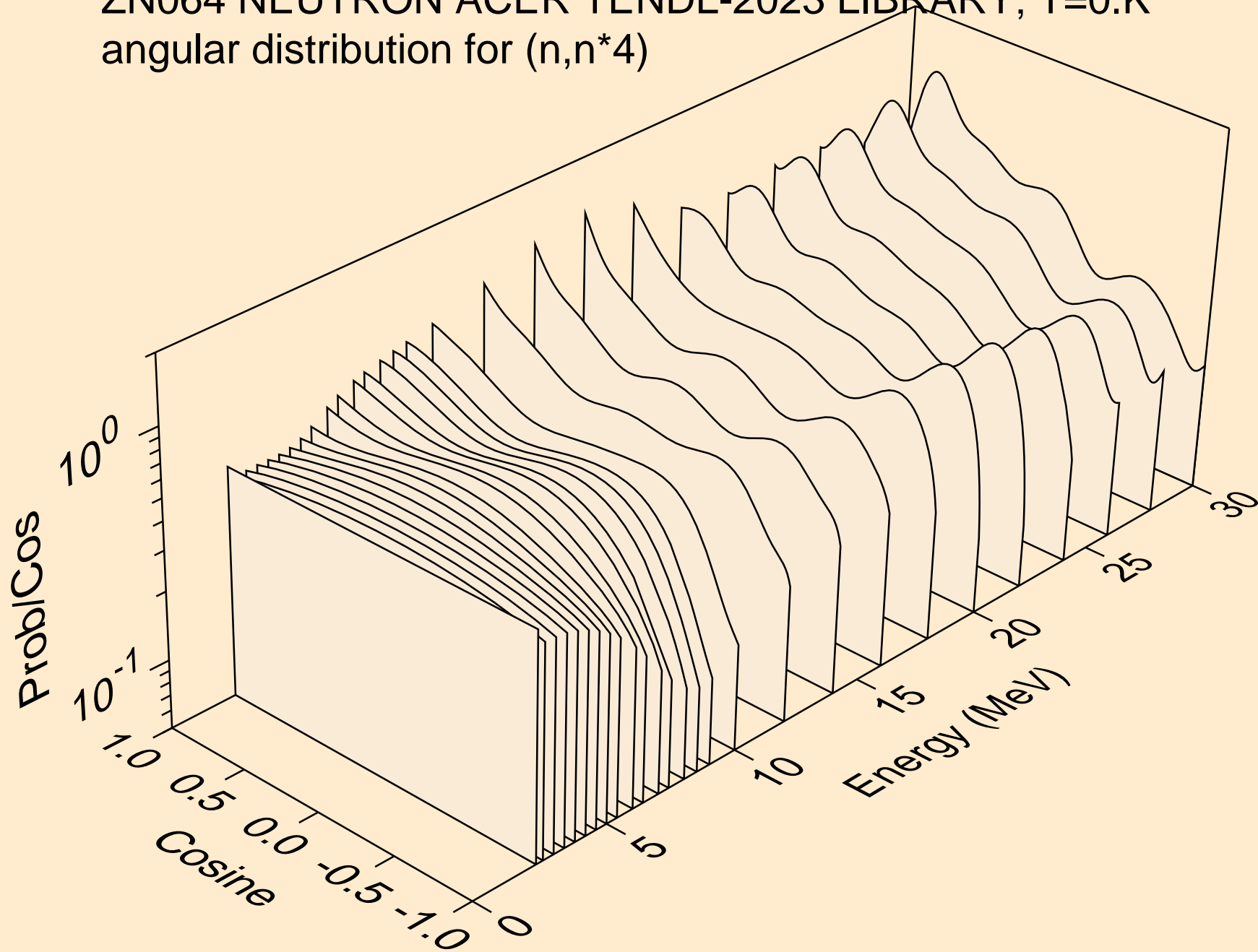
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



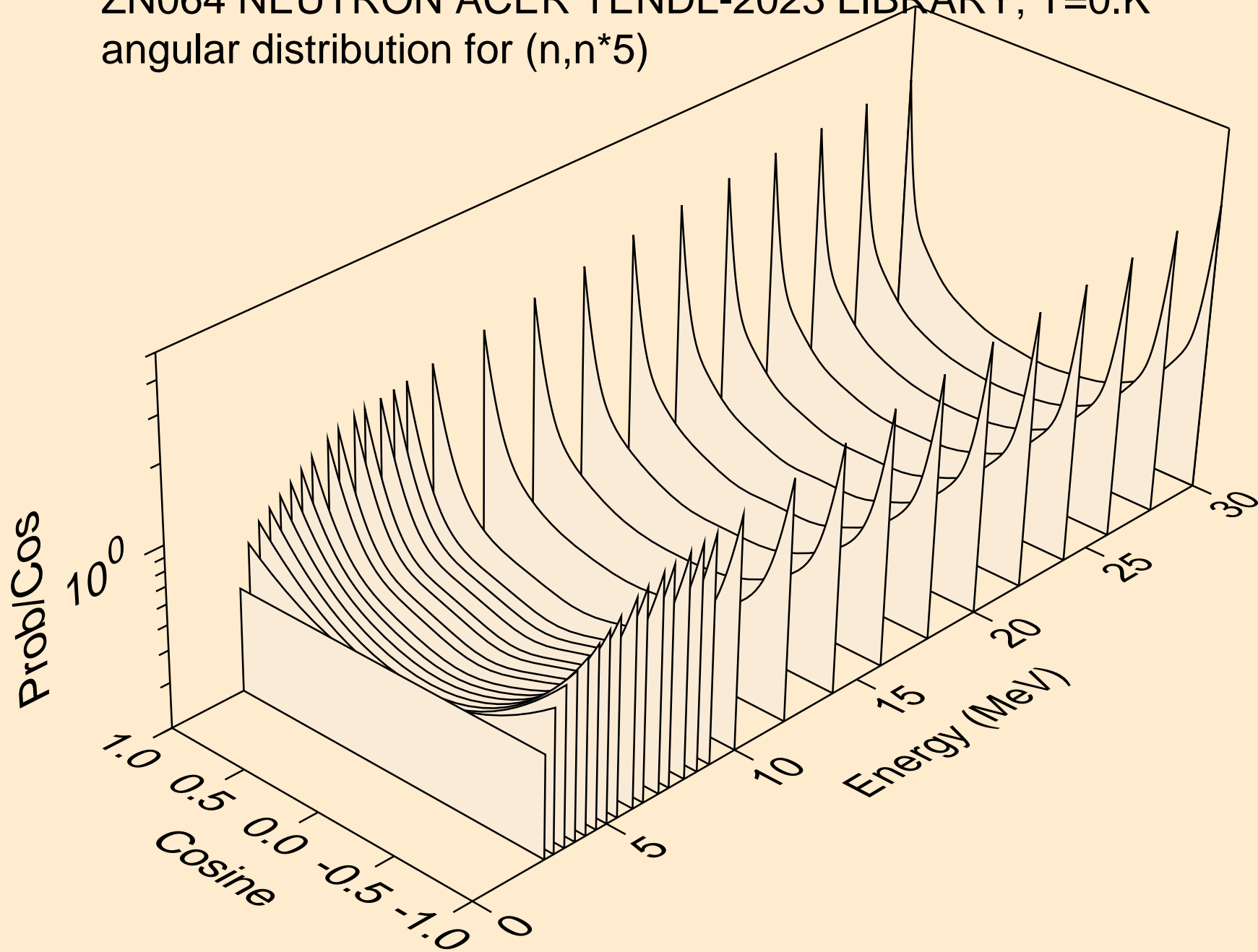
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



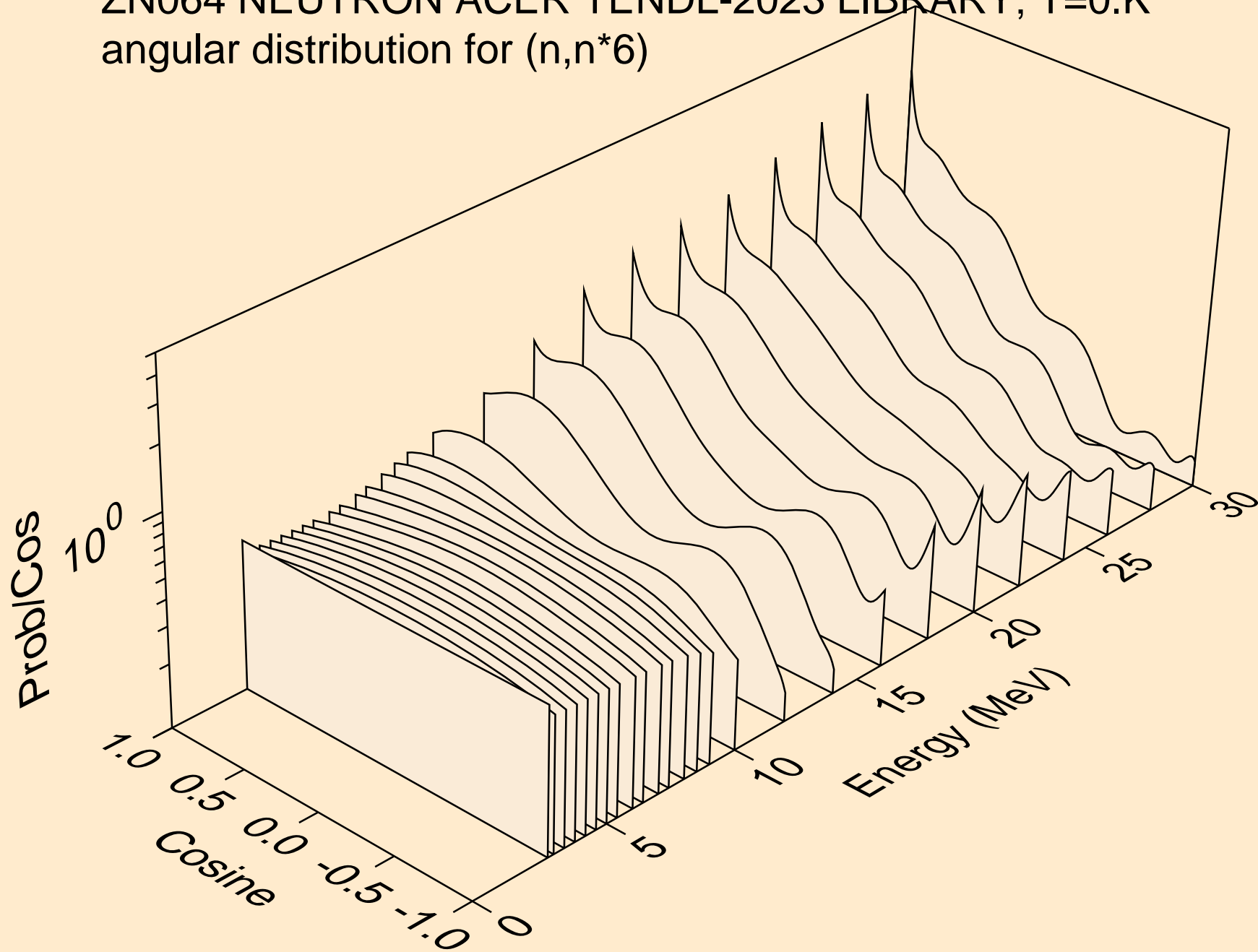
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



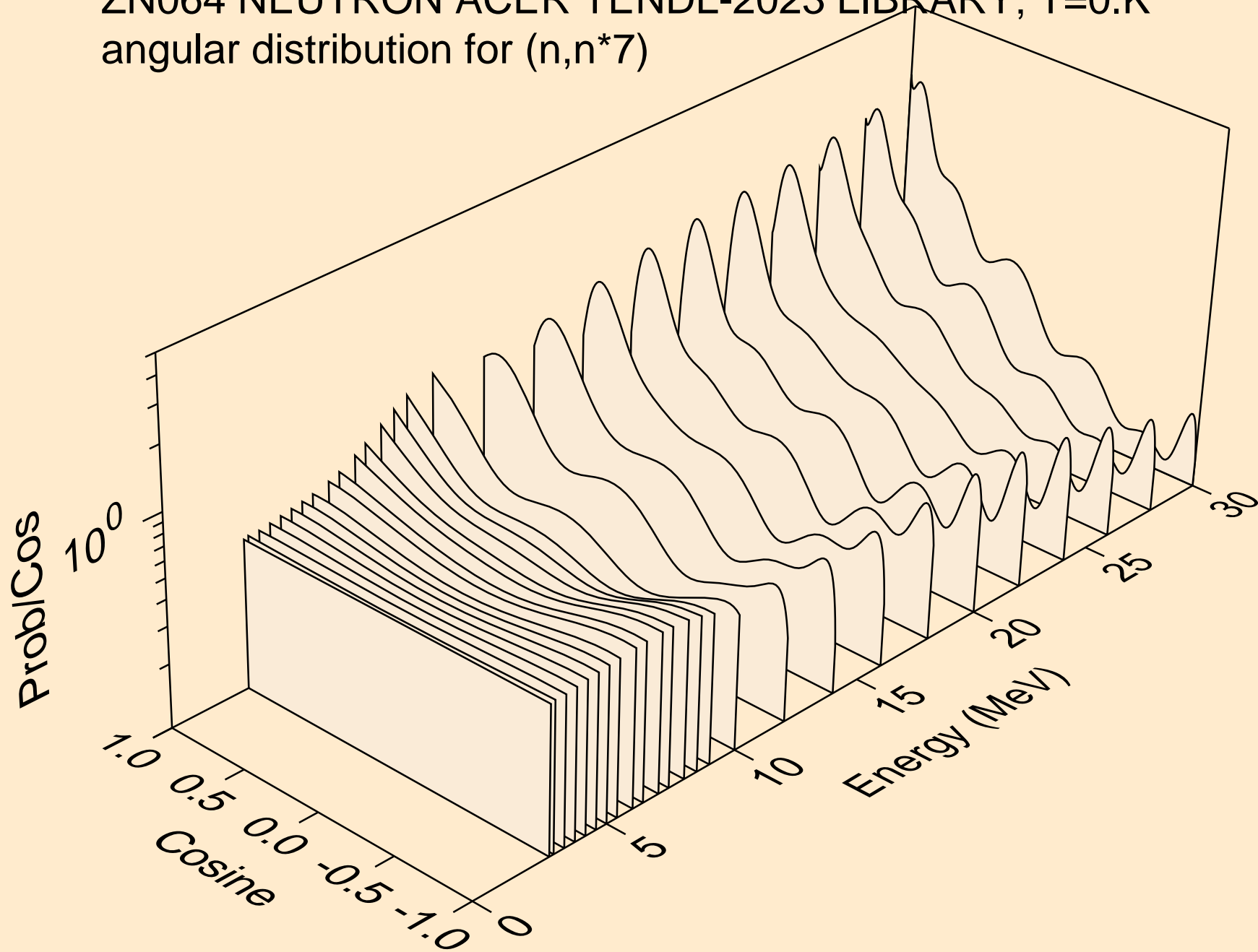
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



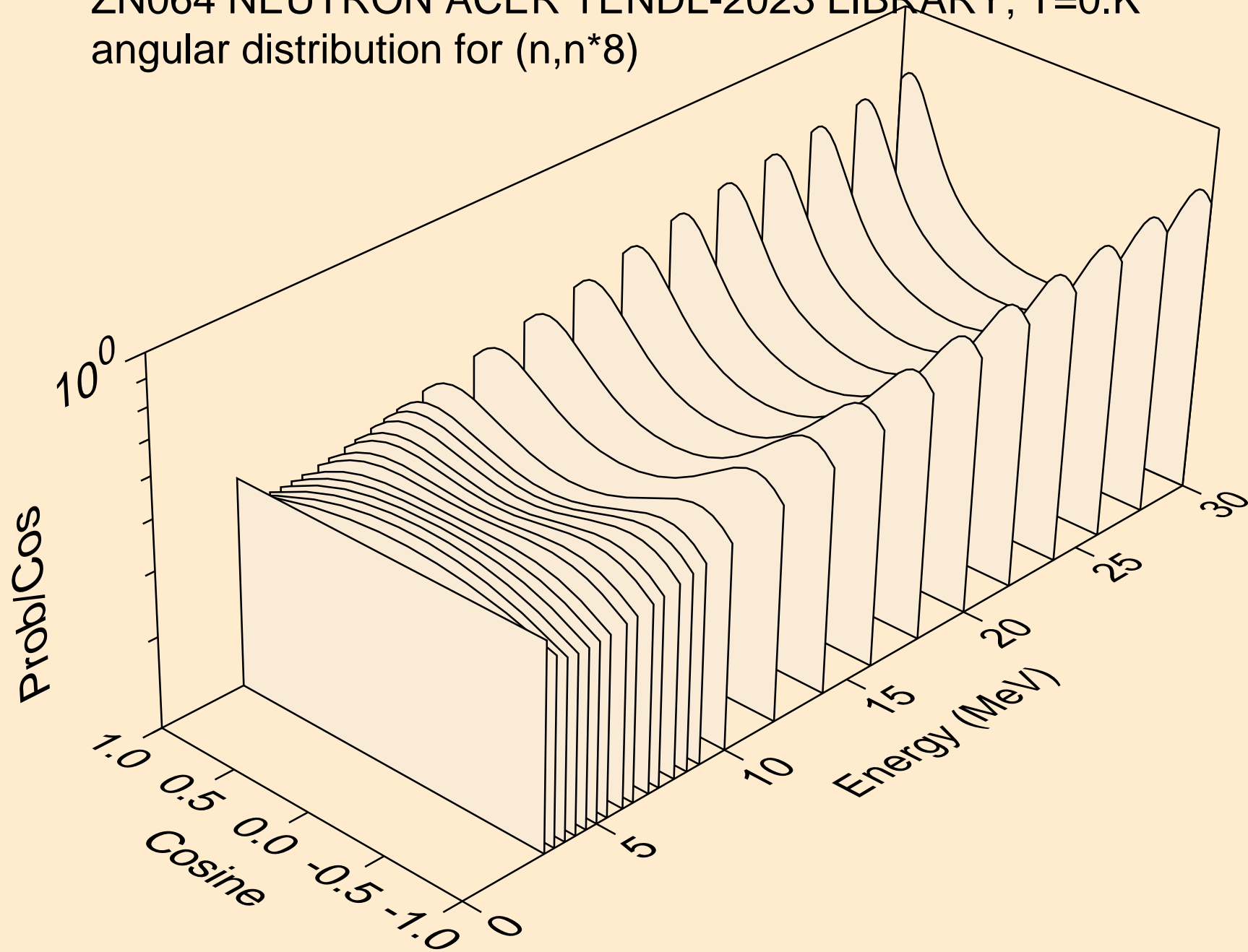
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angular distribution for (n,n\*6)



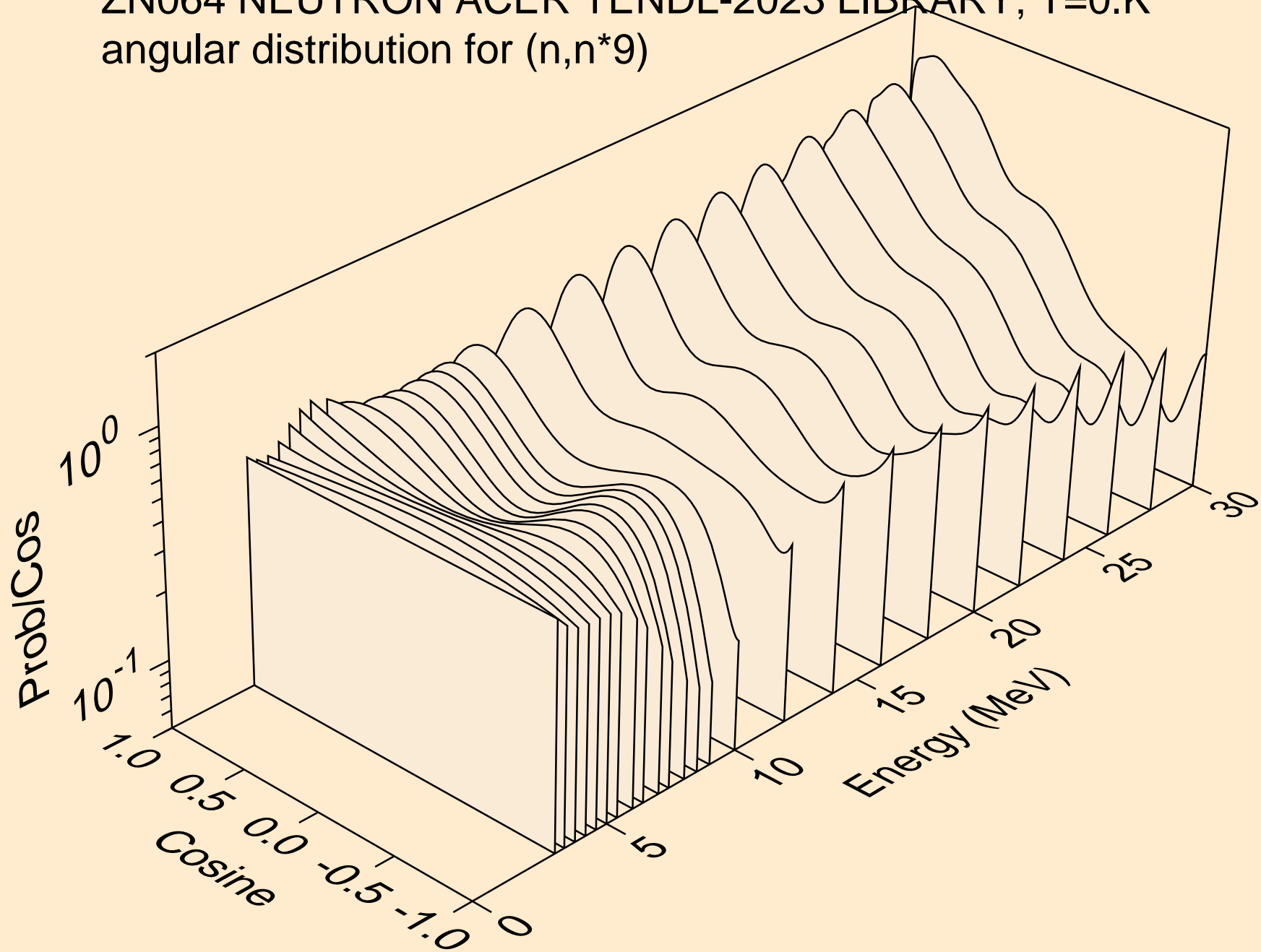
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)

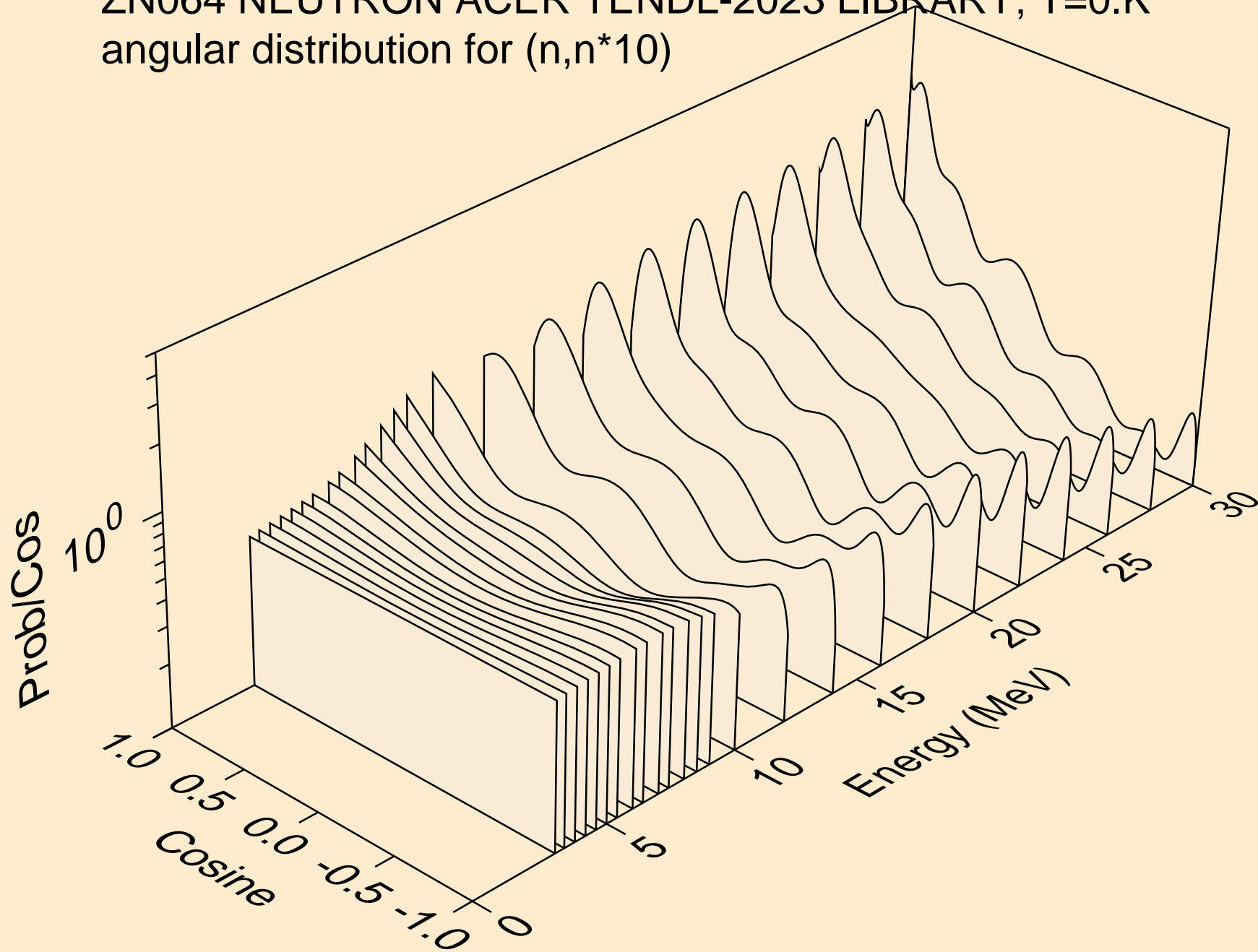


ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

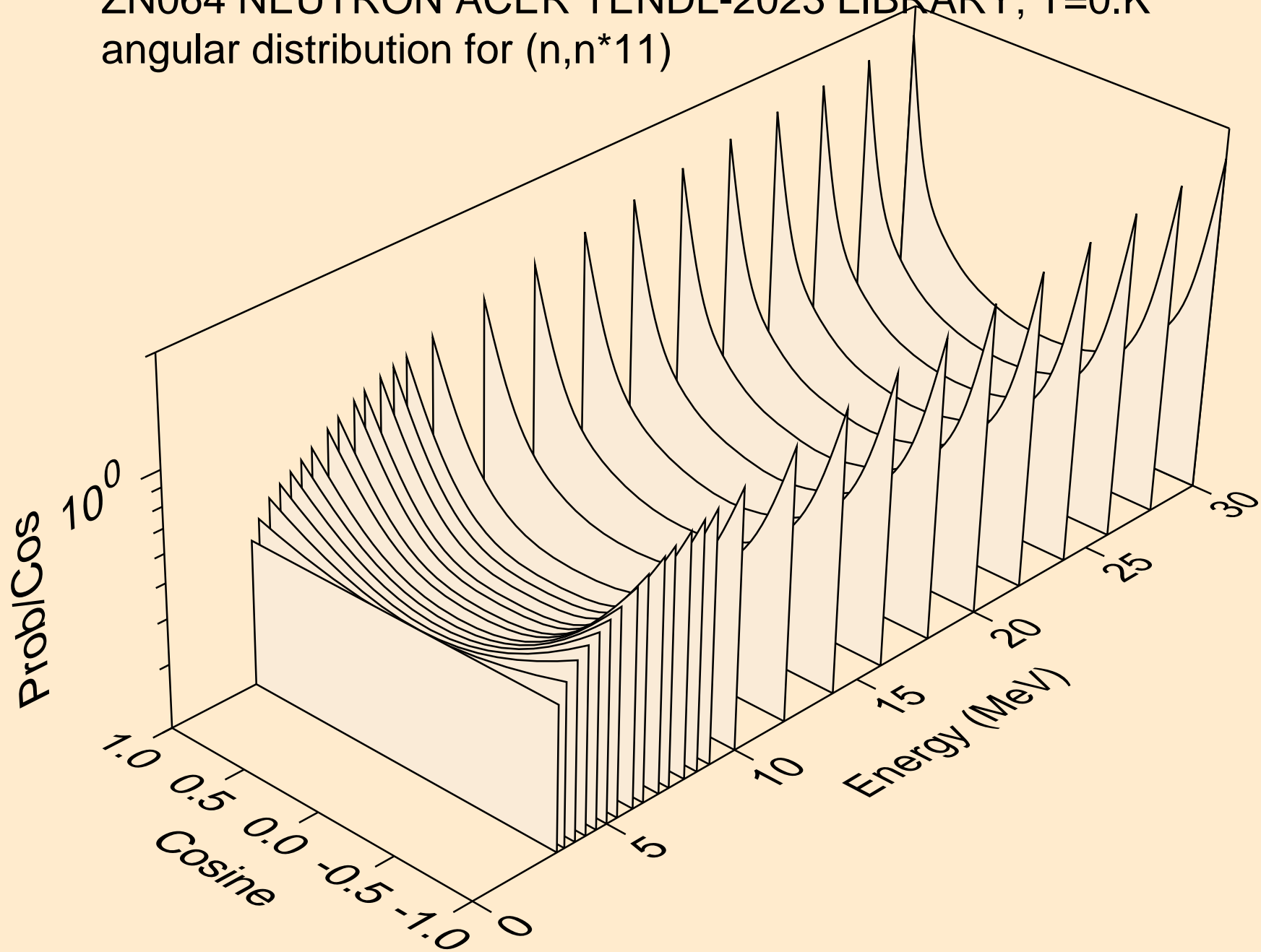




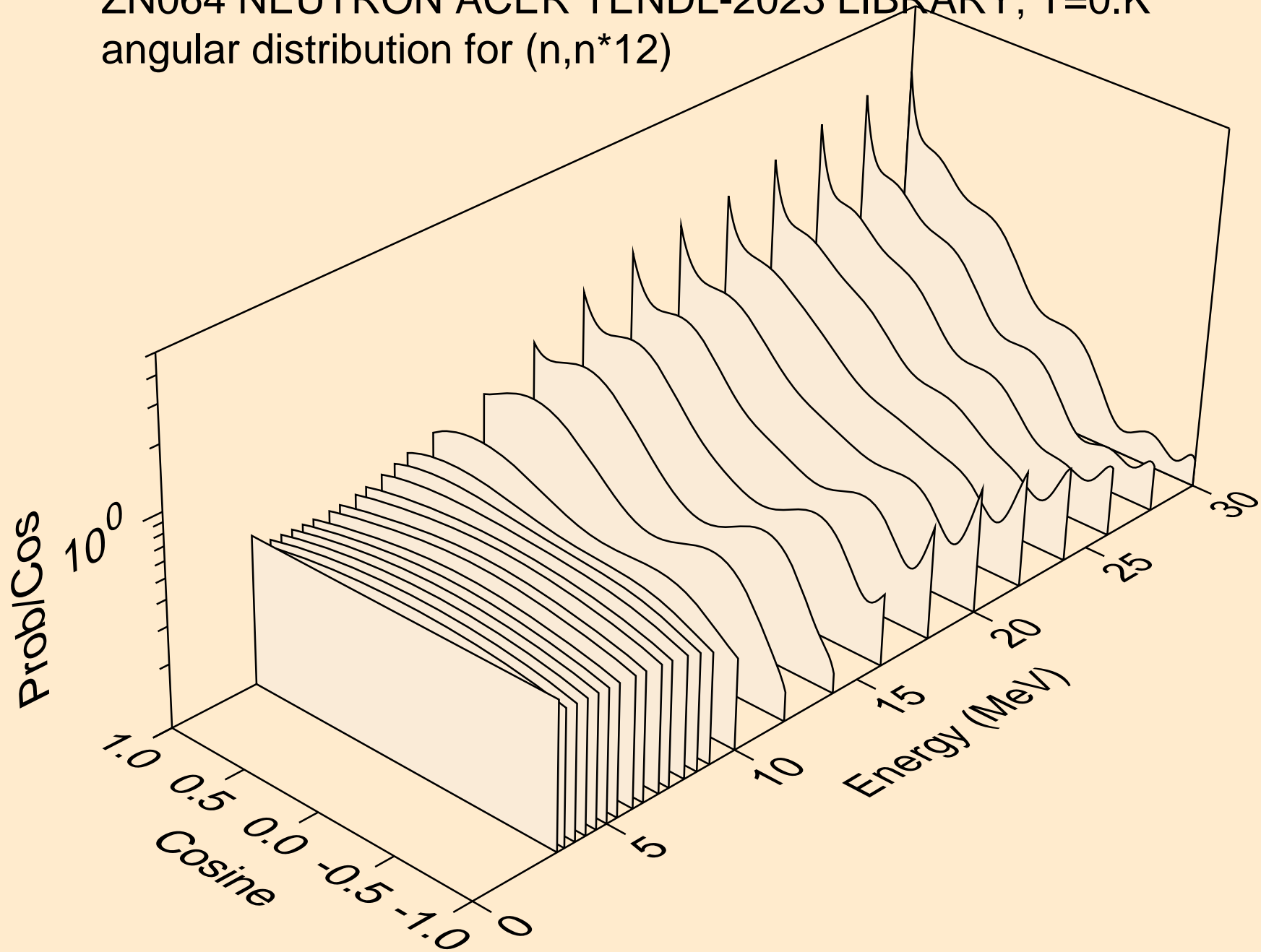
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angular distribution for (n,n\*10)



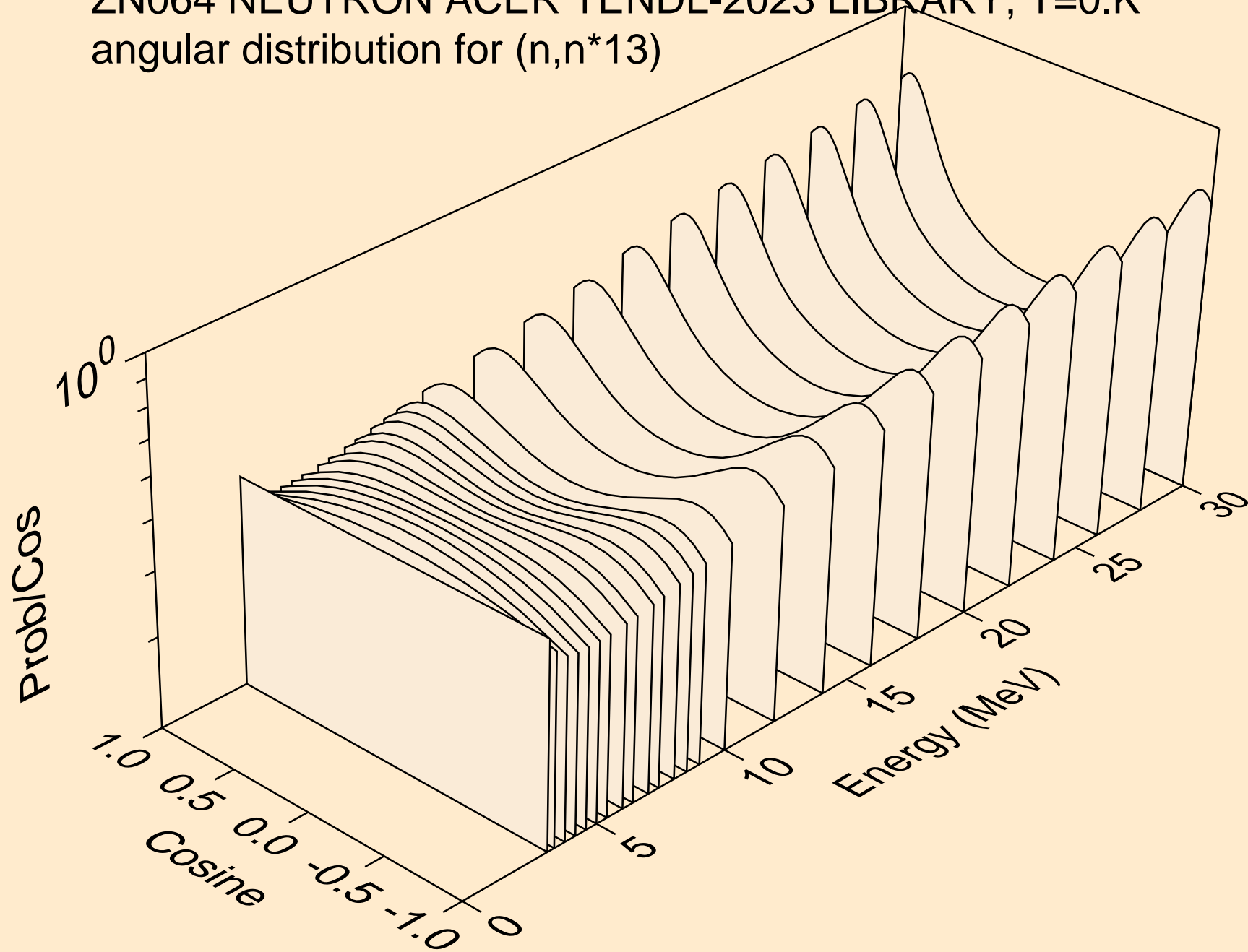
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angular distribution for (n,n\*11)



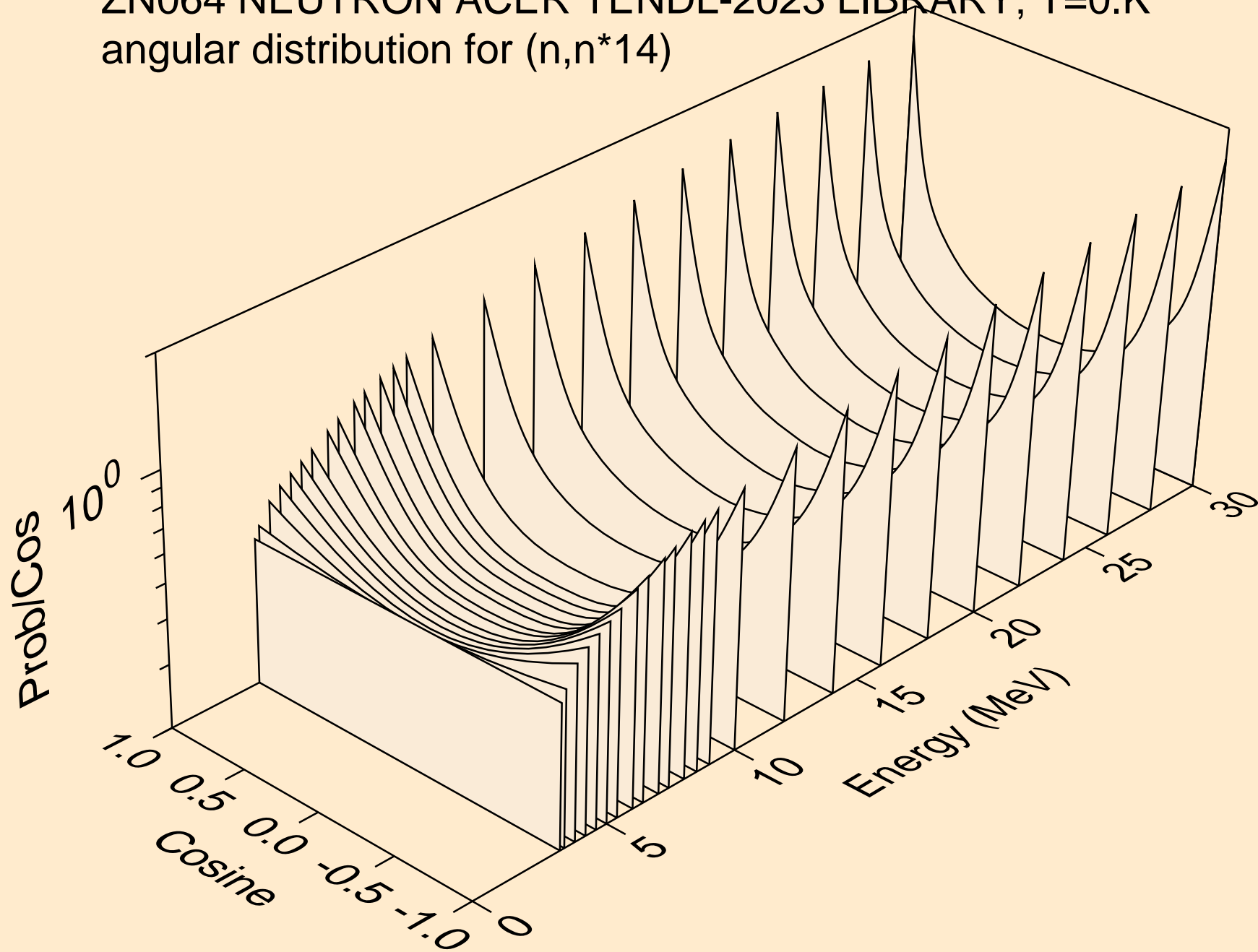
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angular distribution for (n,n\*12)



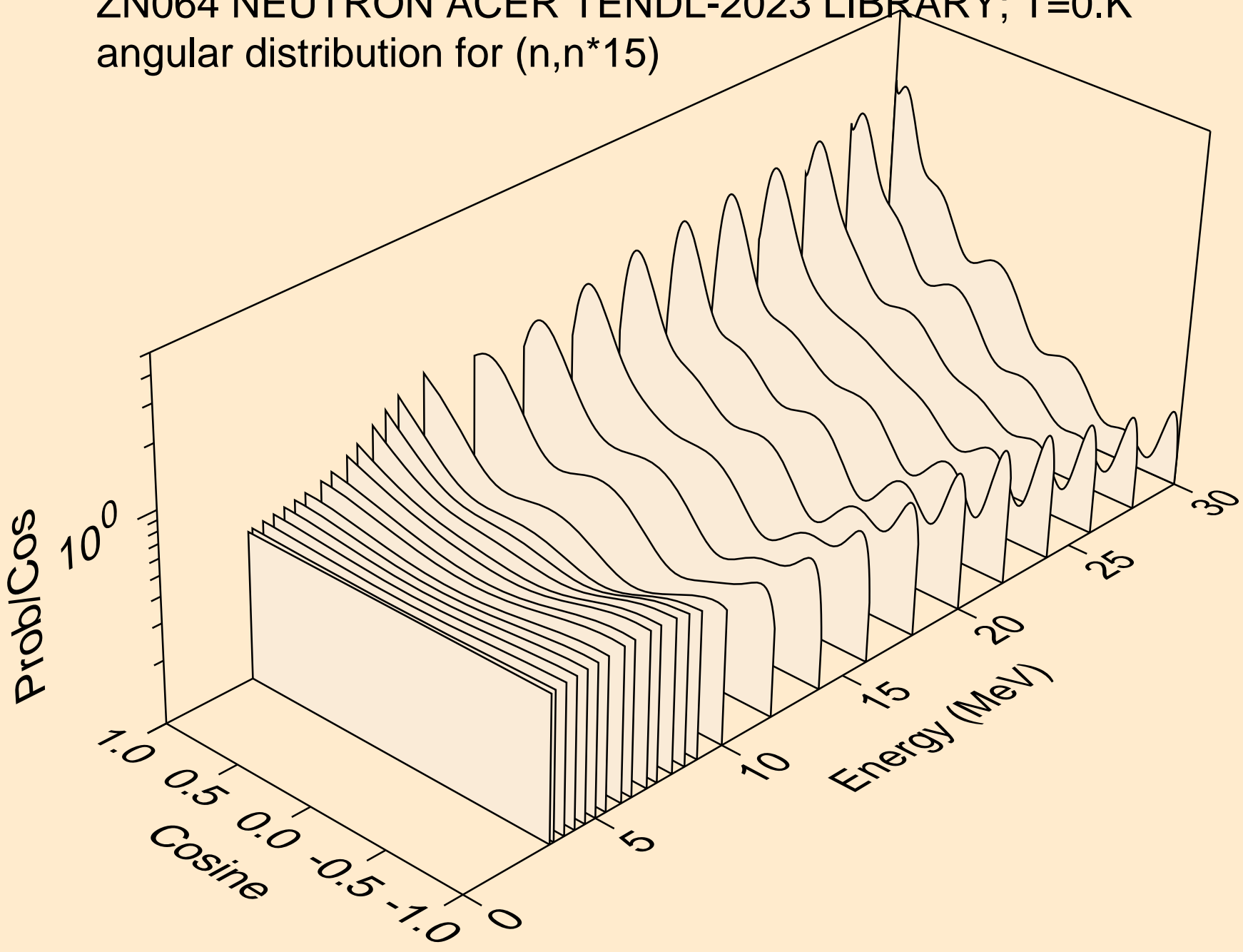
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angular distribution for (n,n\*13)



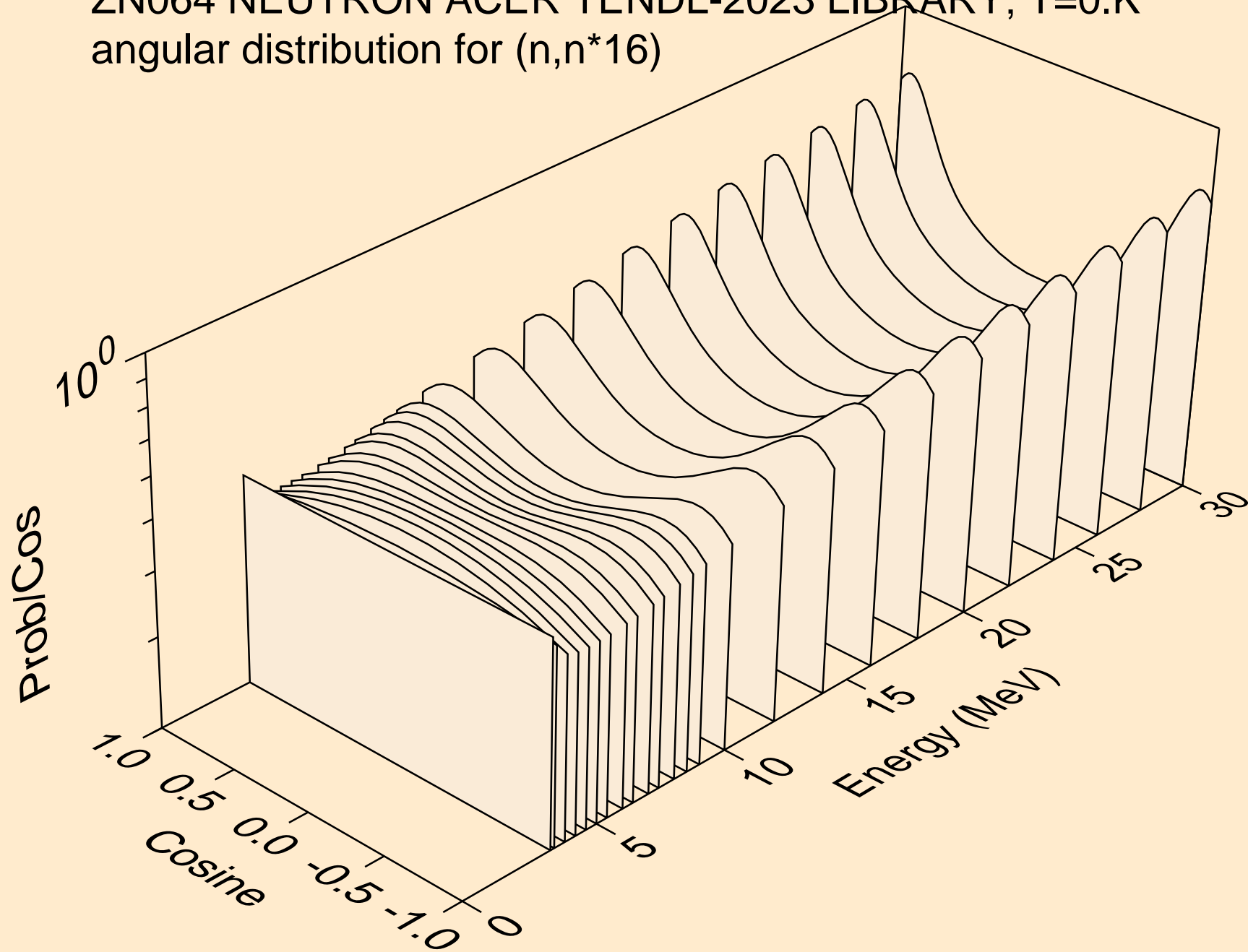
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angular distribution for (n,n\*14)



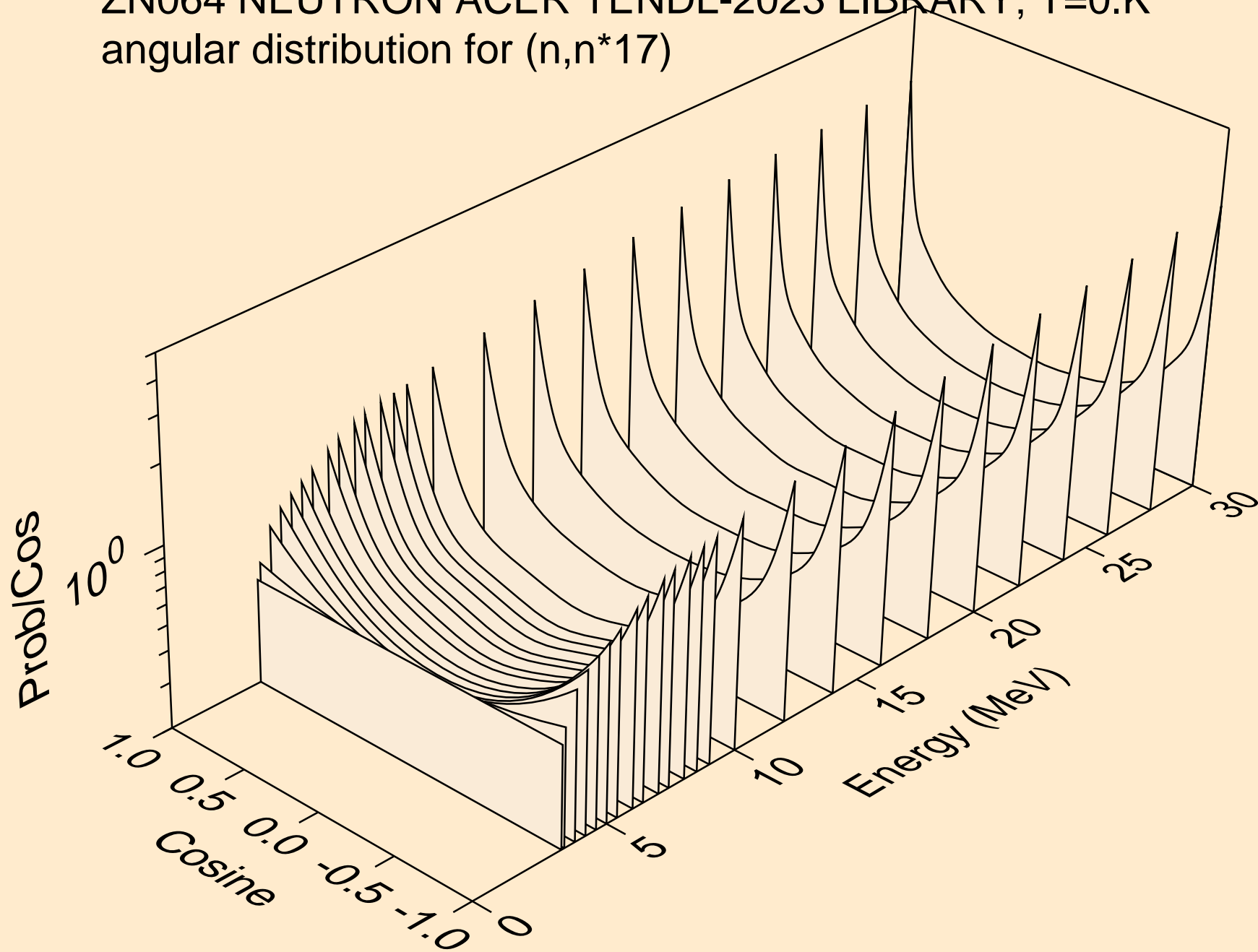
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*16)

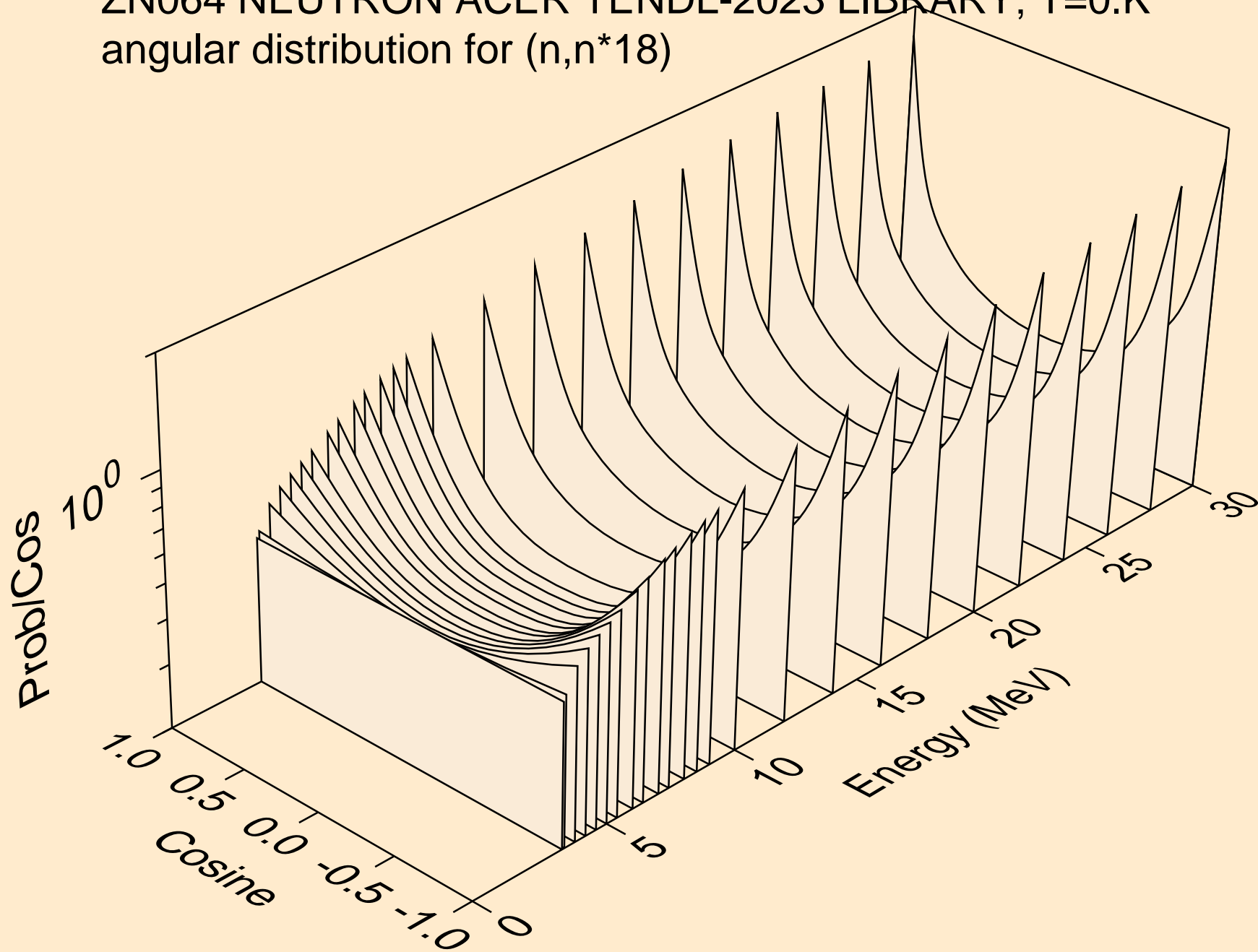


ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*17)

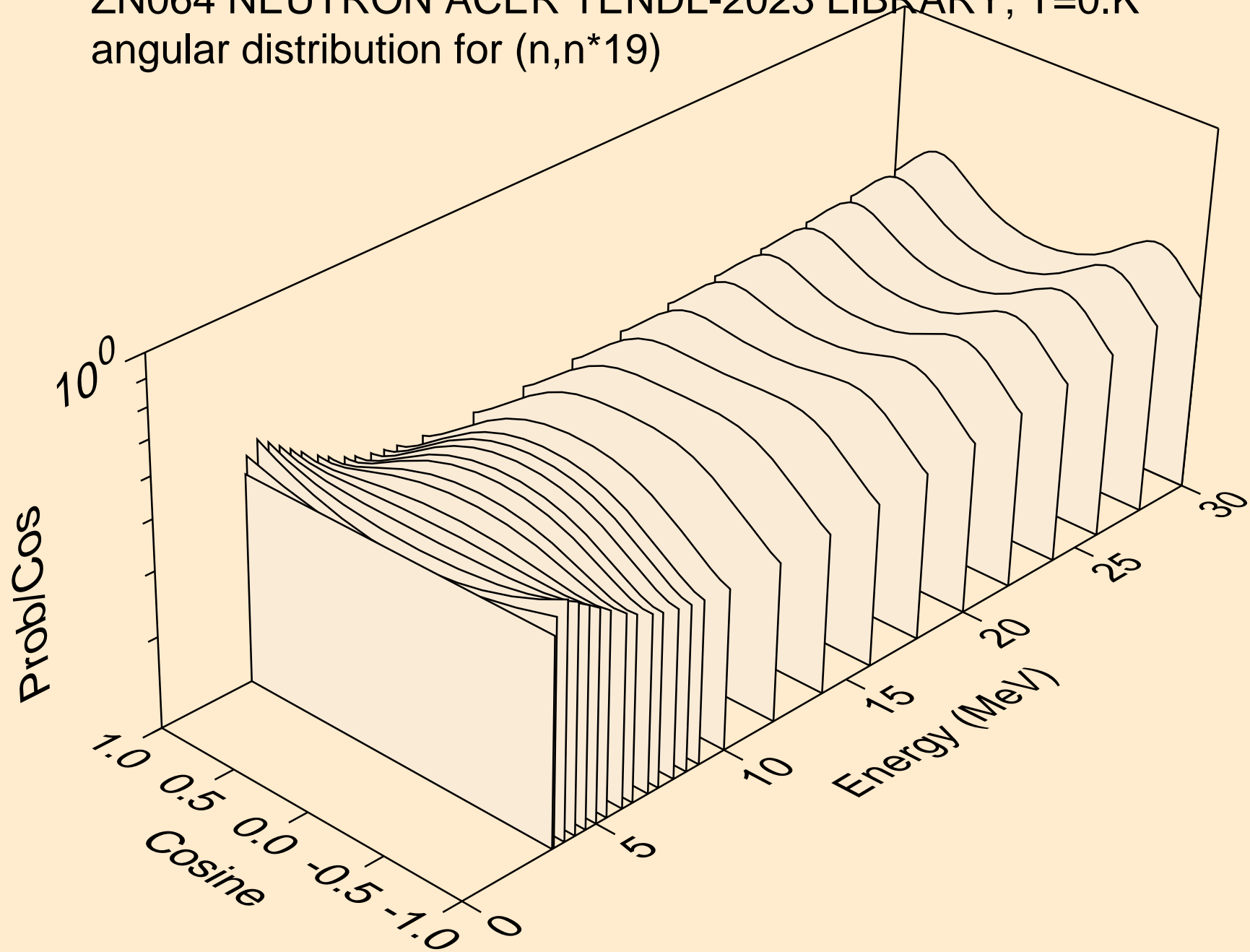




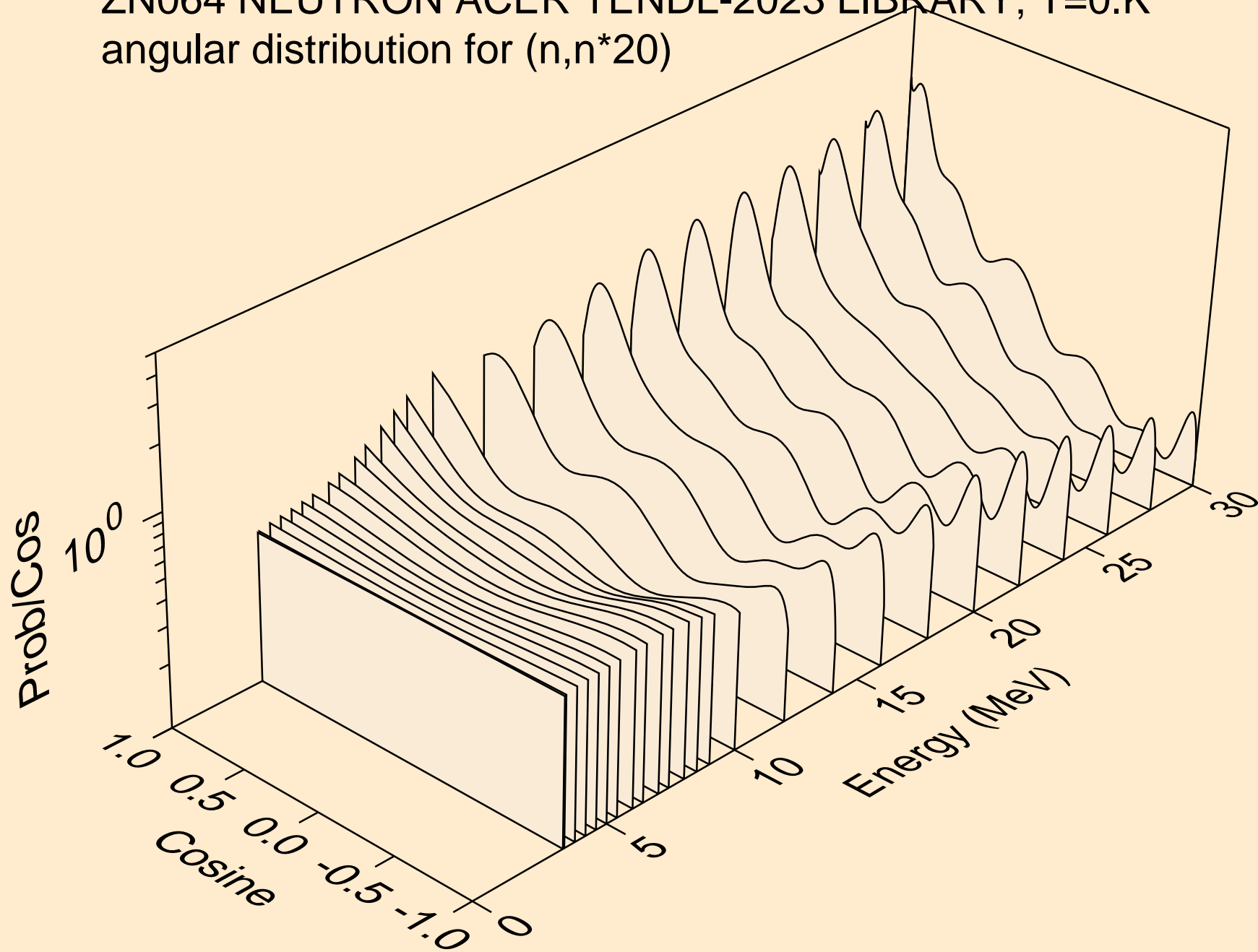
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angular distribution for (n,n\*18)



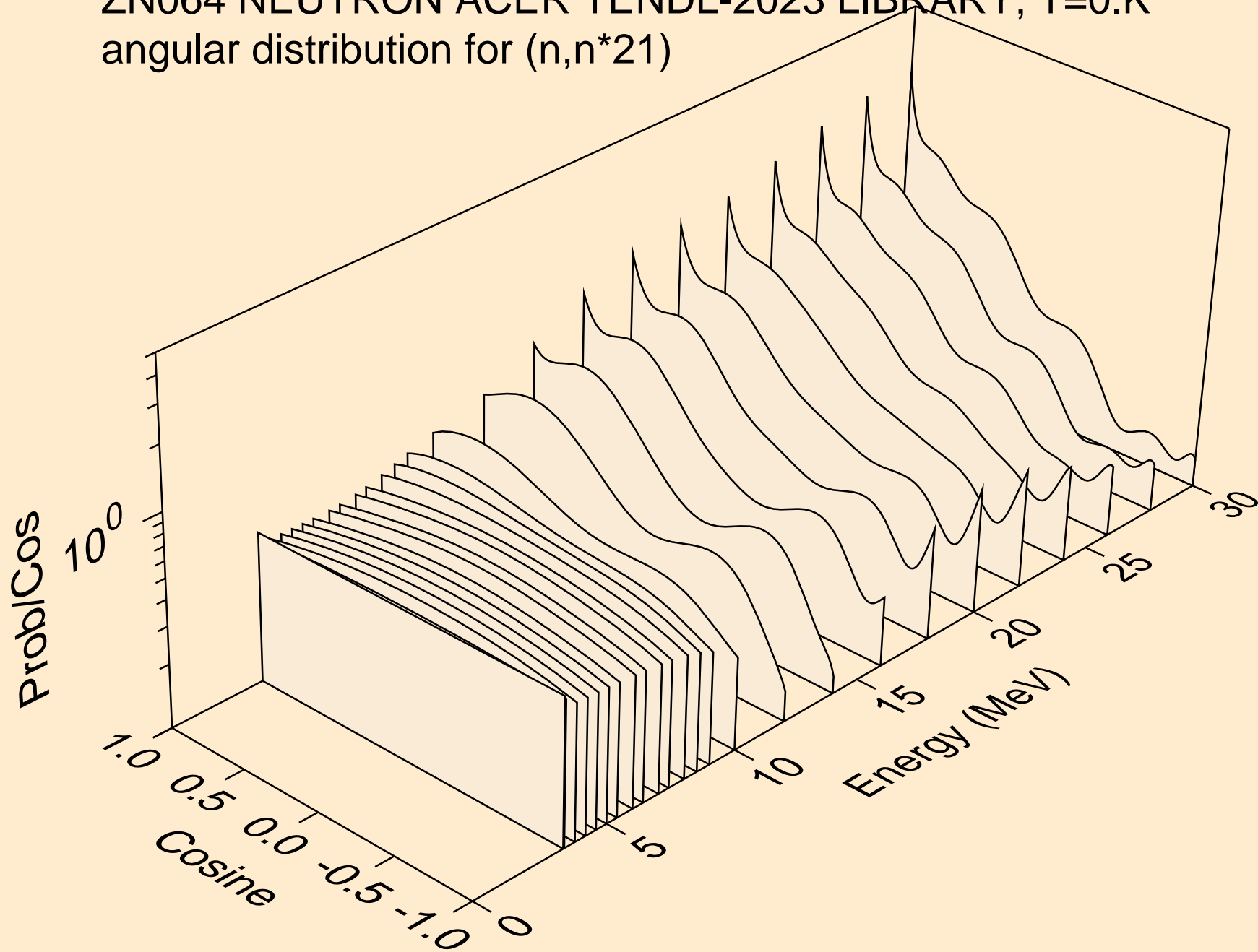
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angular distribution for (n,n\*19)



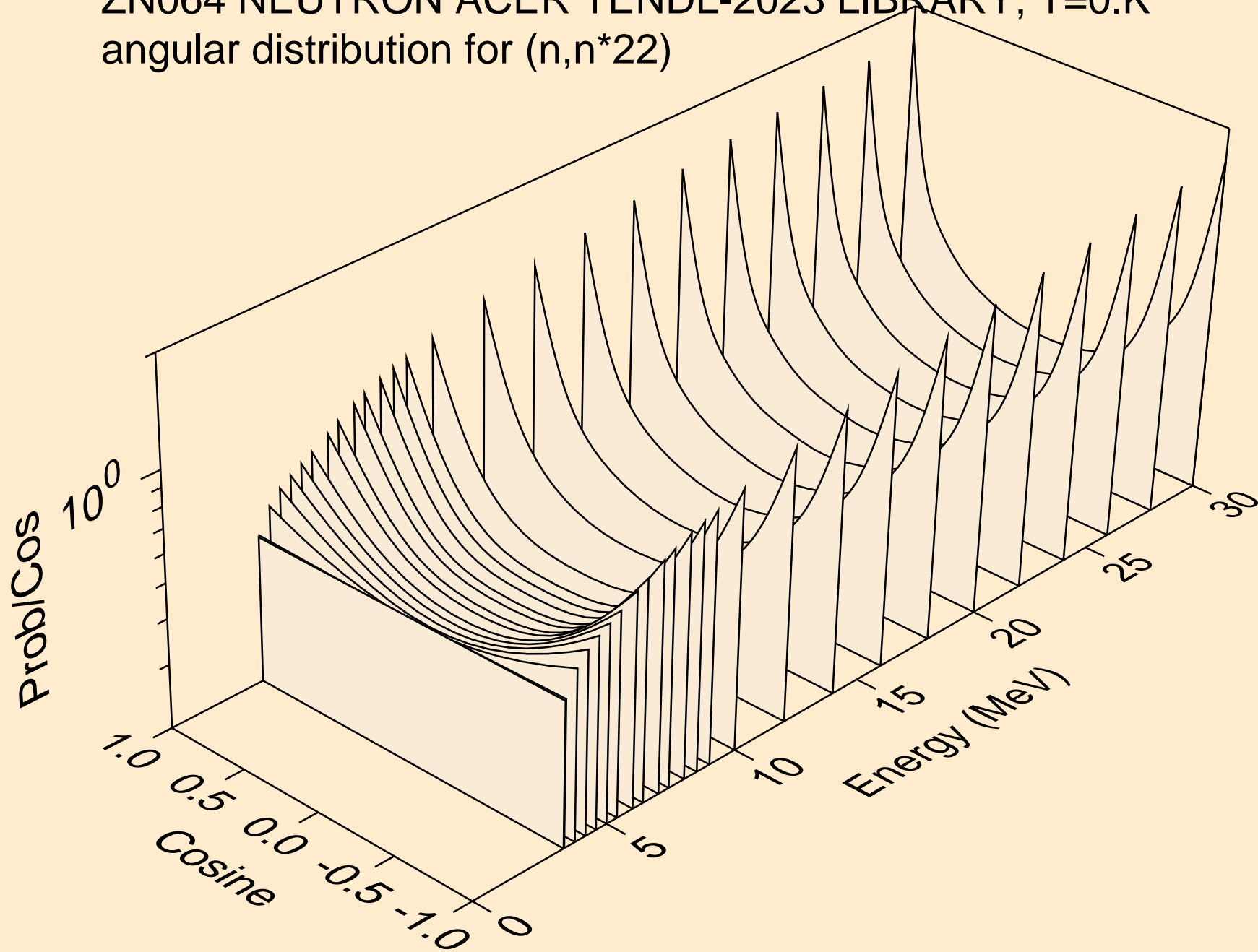
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angular distribution for (n,n\*20)



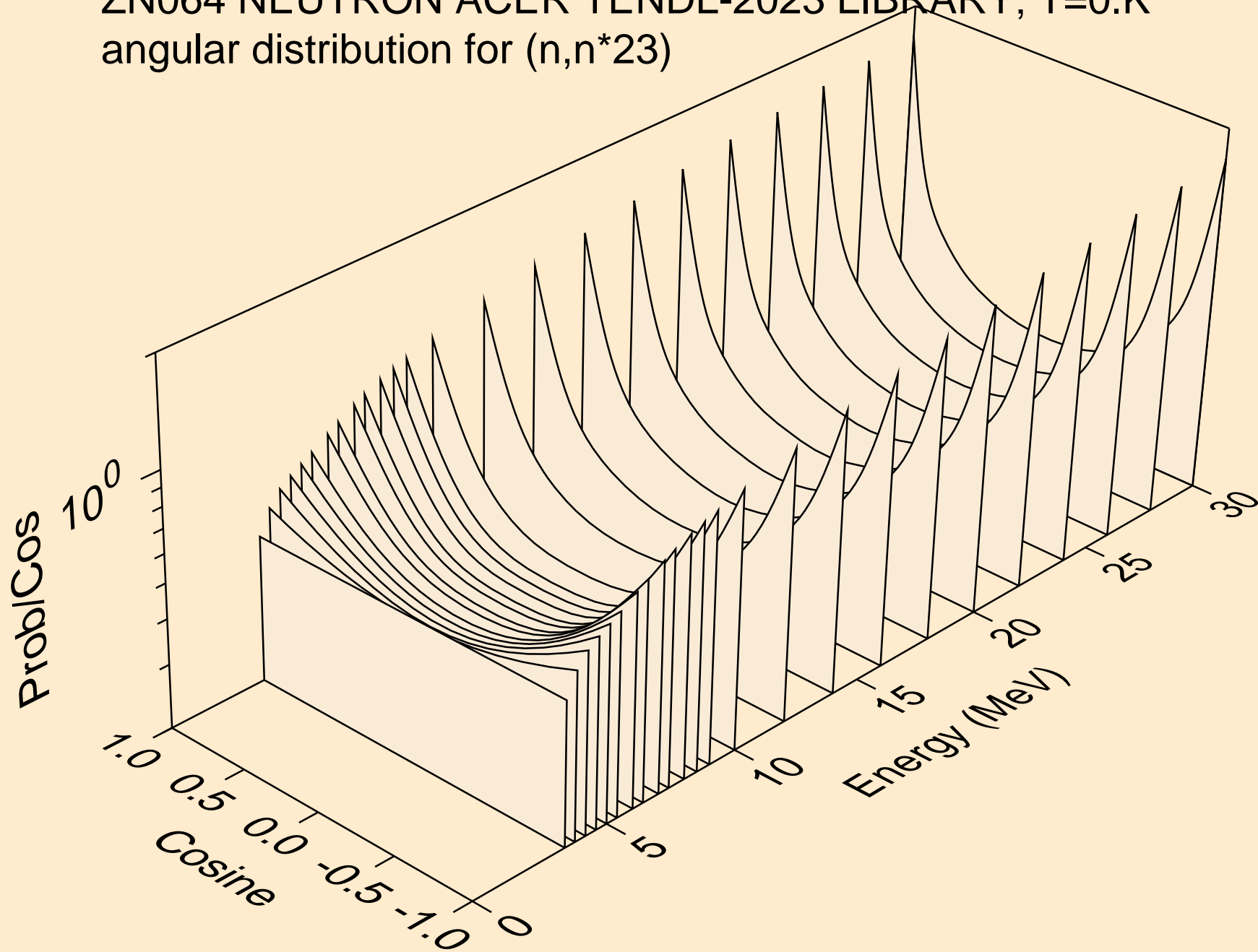
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angular distribution for (n,n\*21)



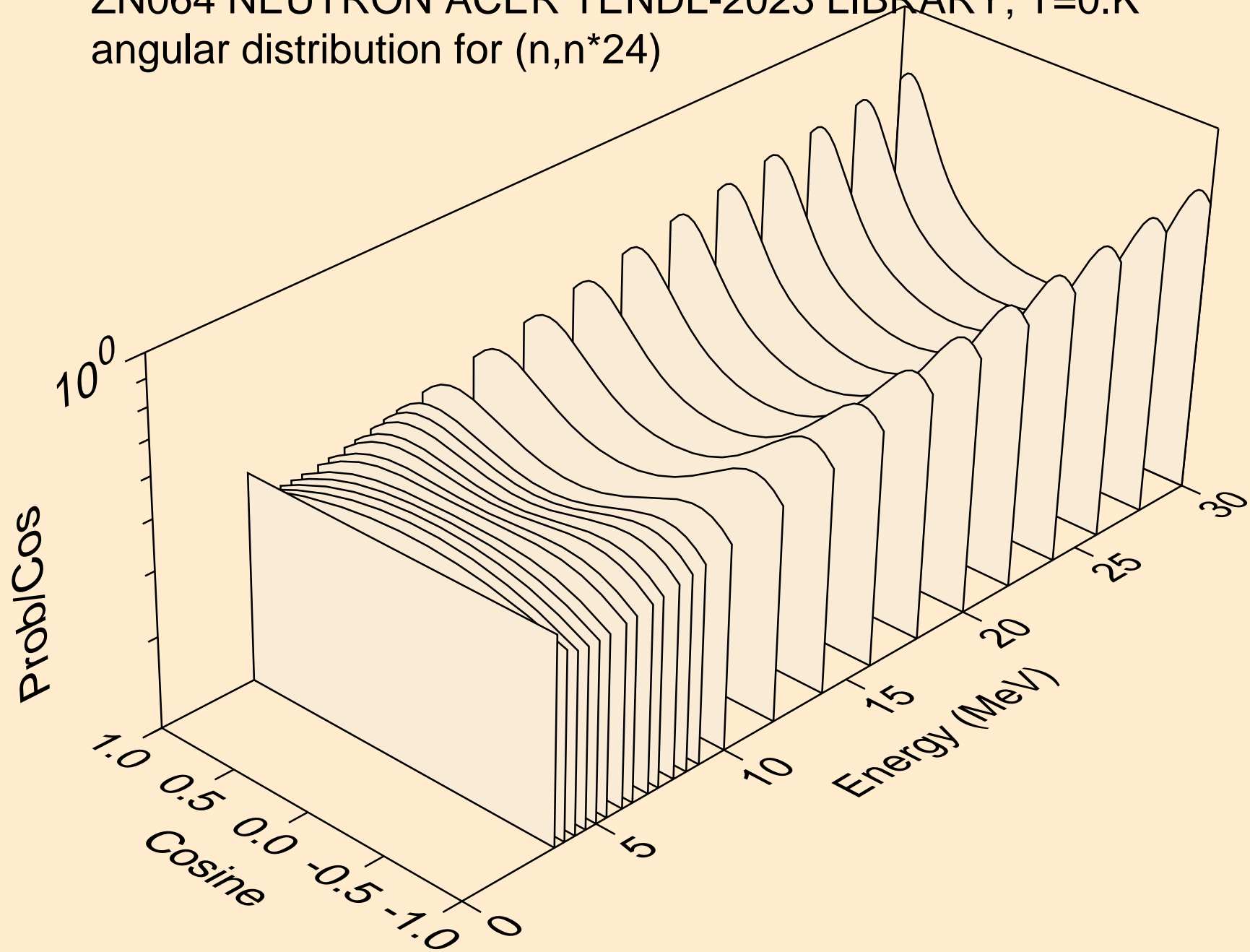
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*22)



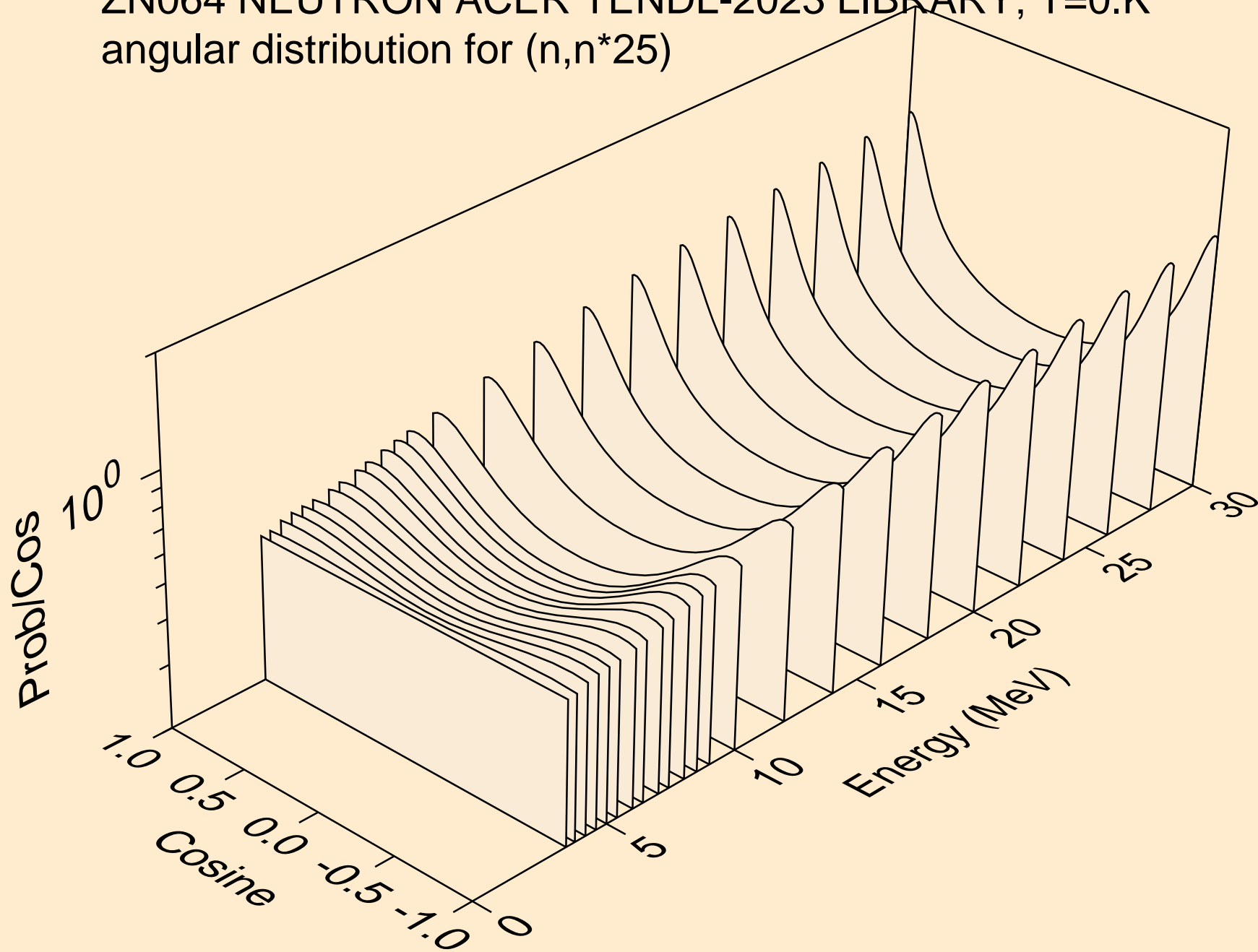
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*23)



ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*24)

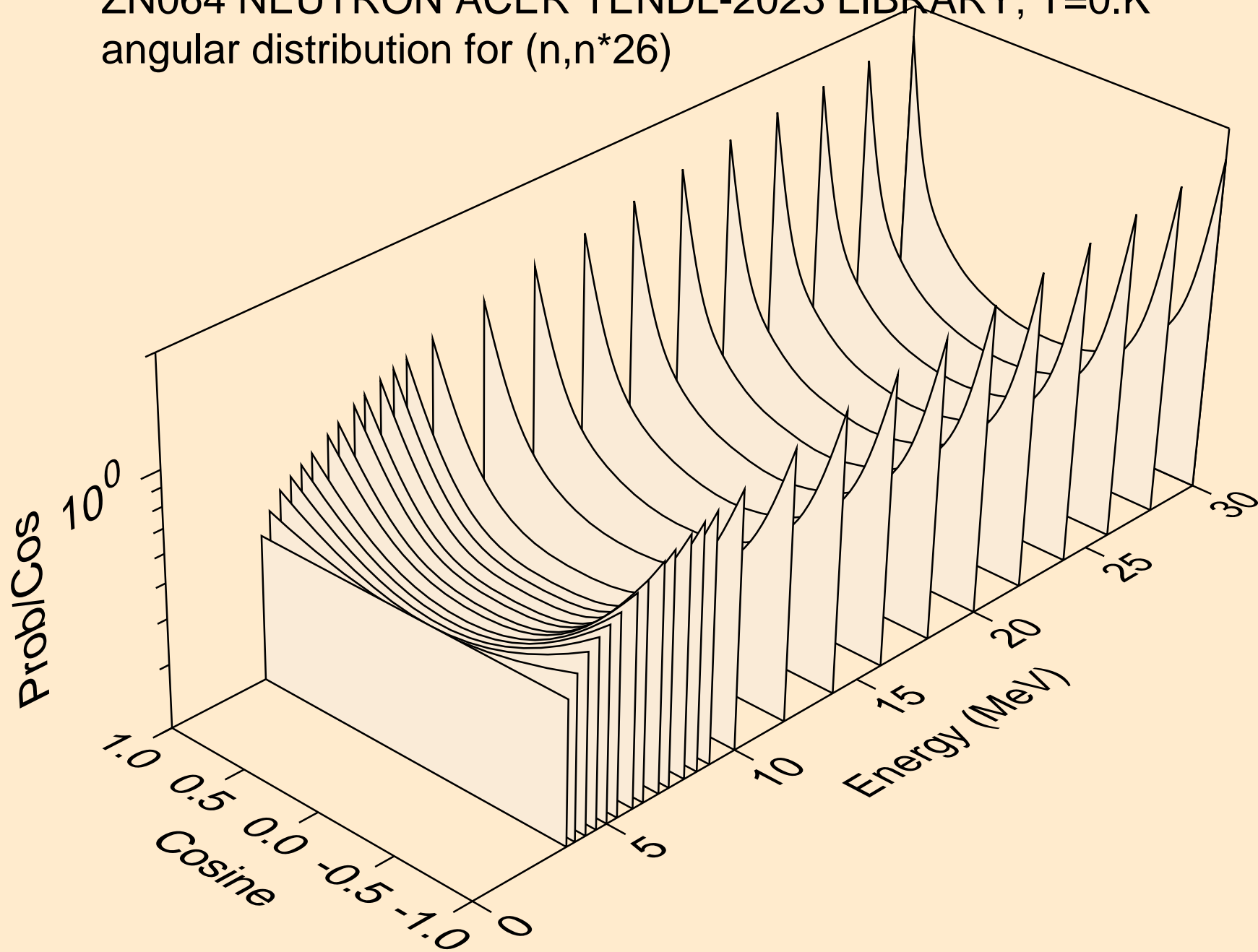


ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*25)

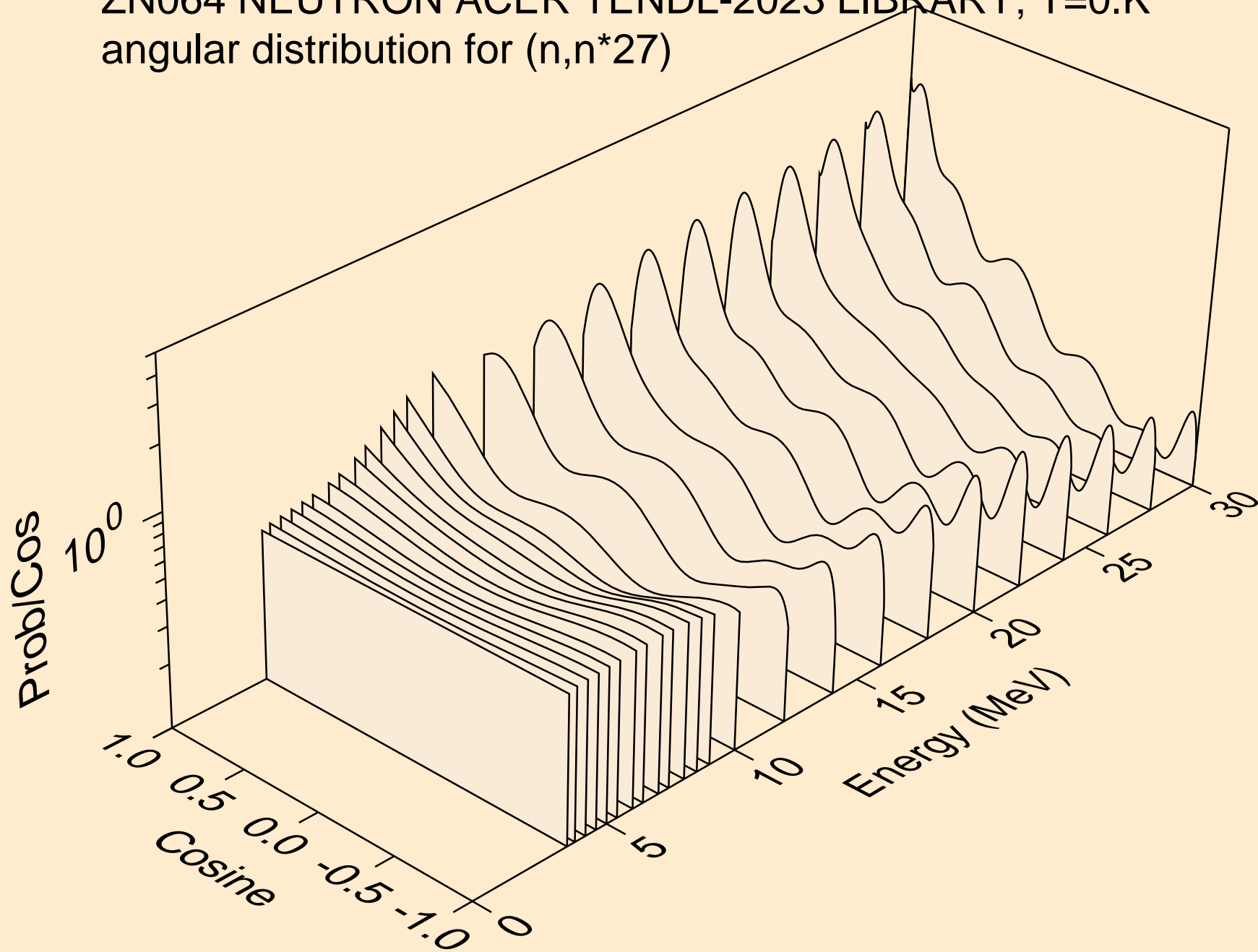




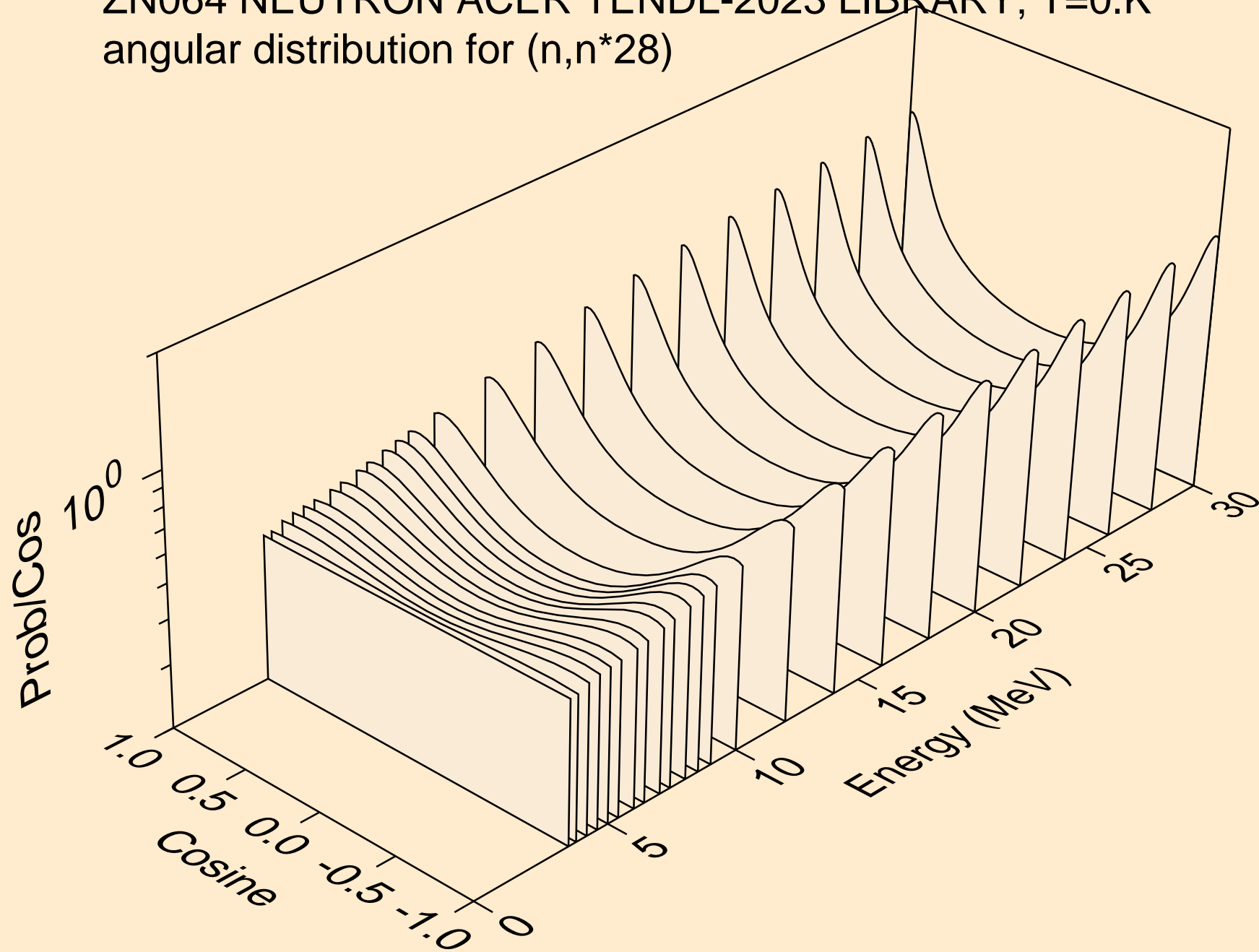
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



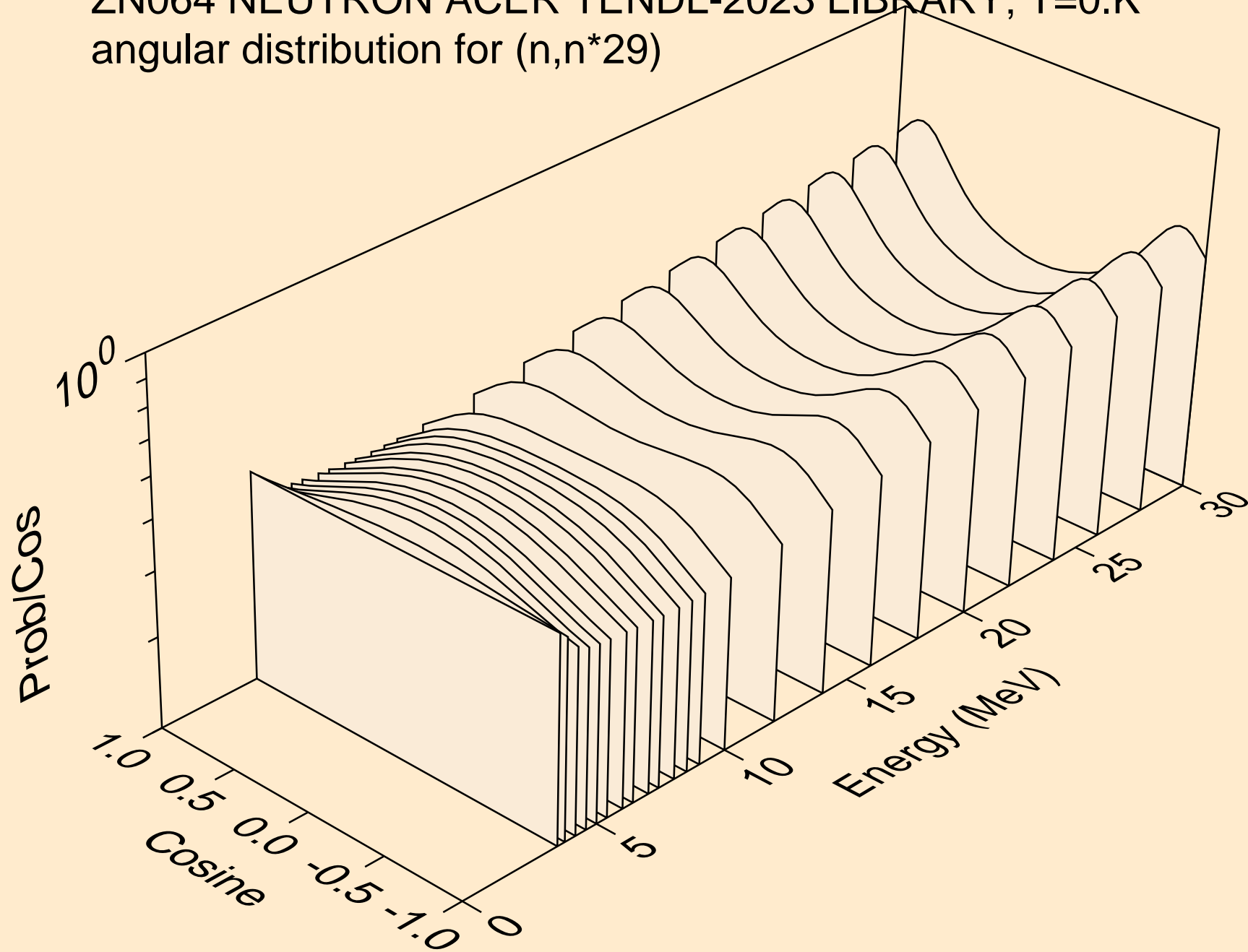
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angular distribution for (n,n\*27)



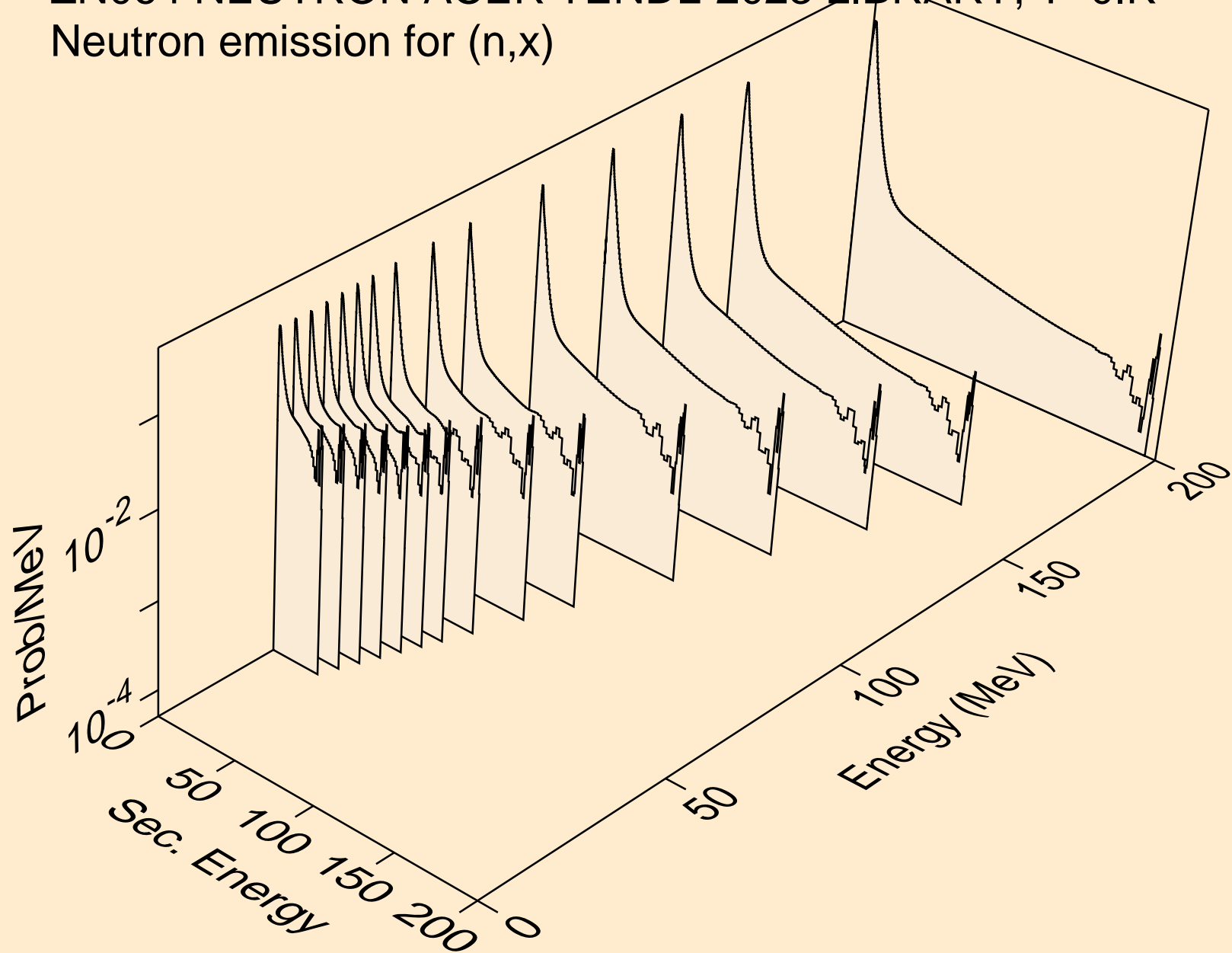
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*28)



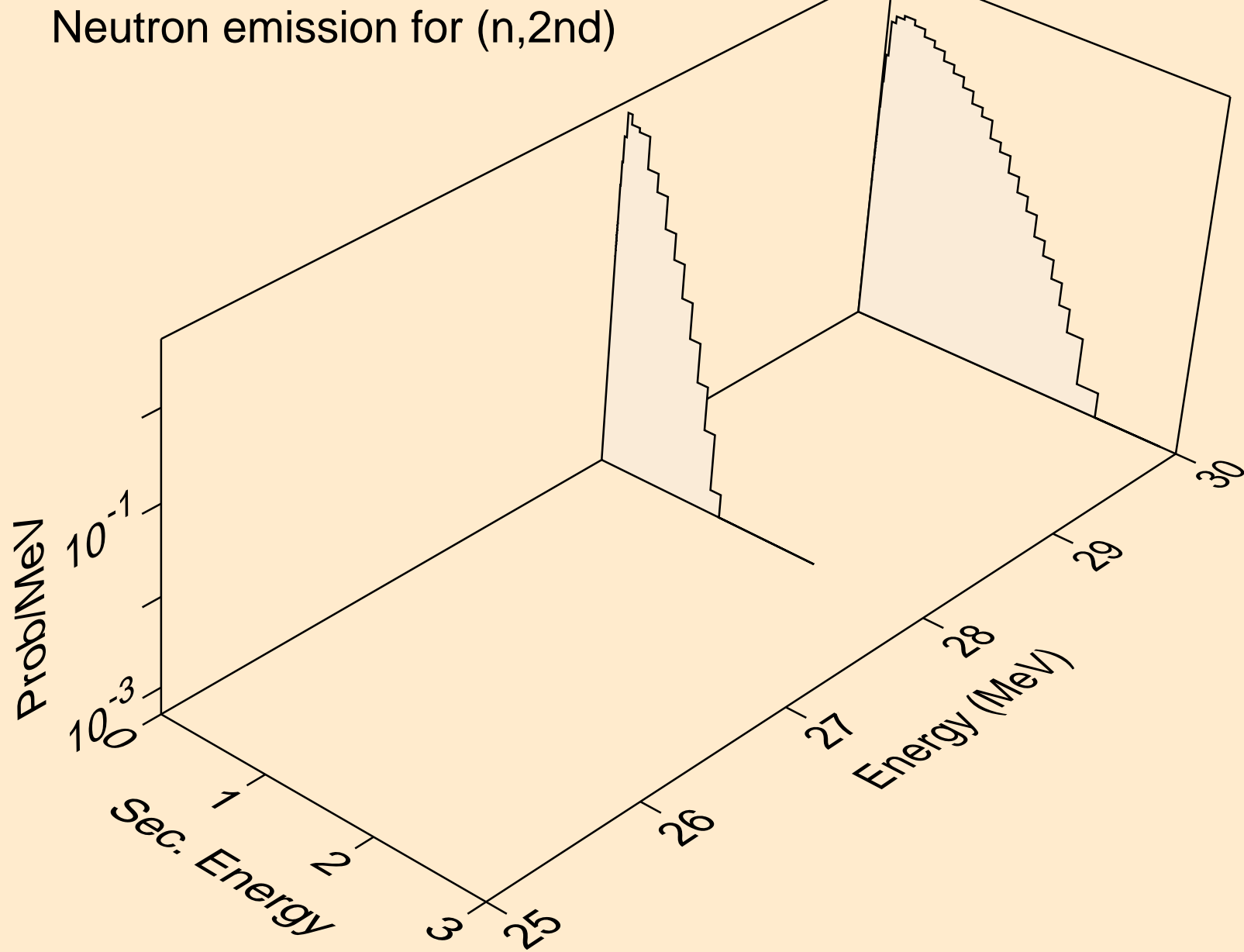
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*29)



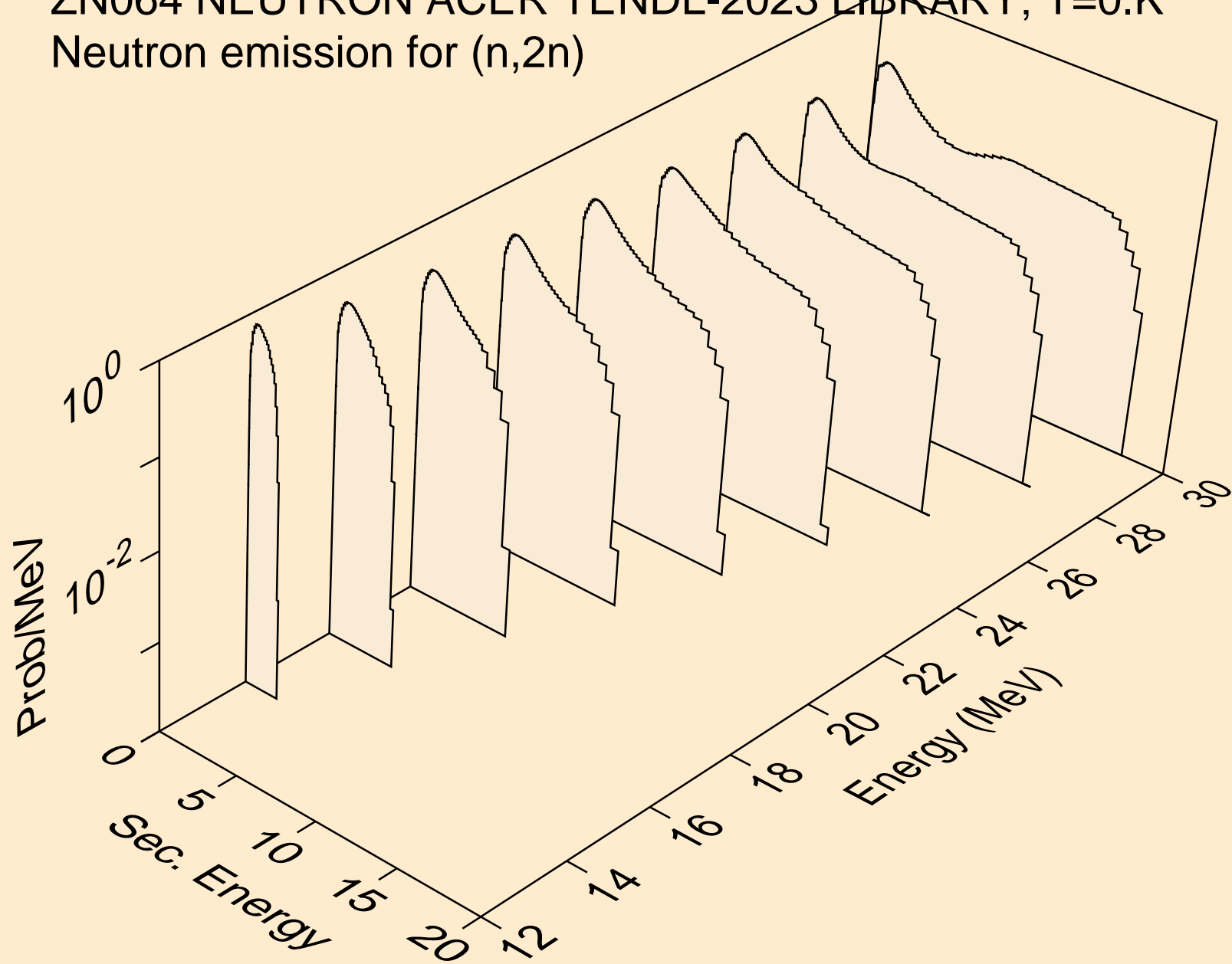
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



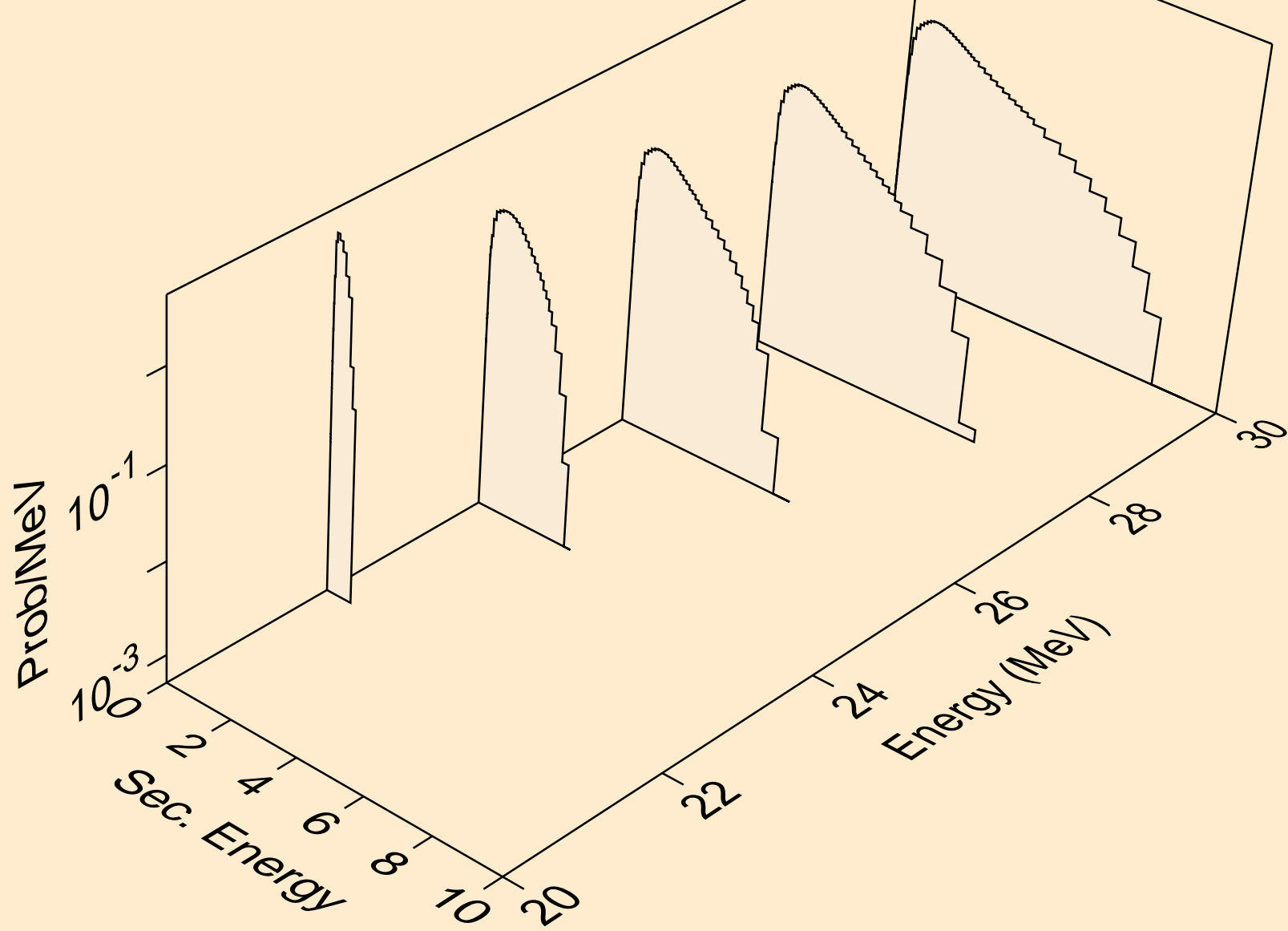
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)

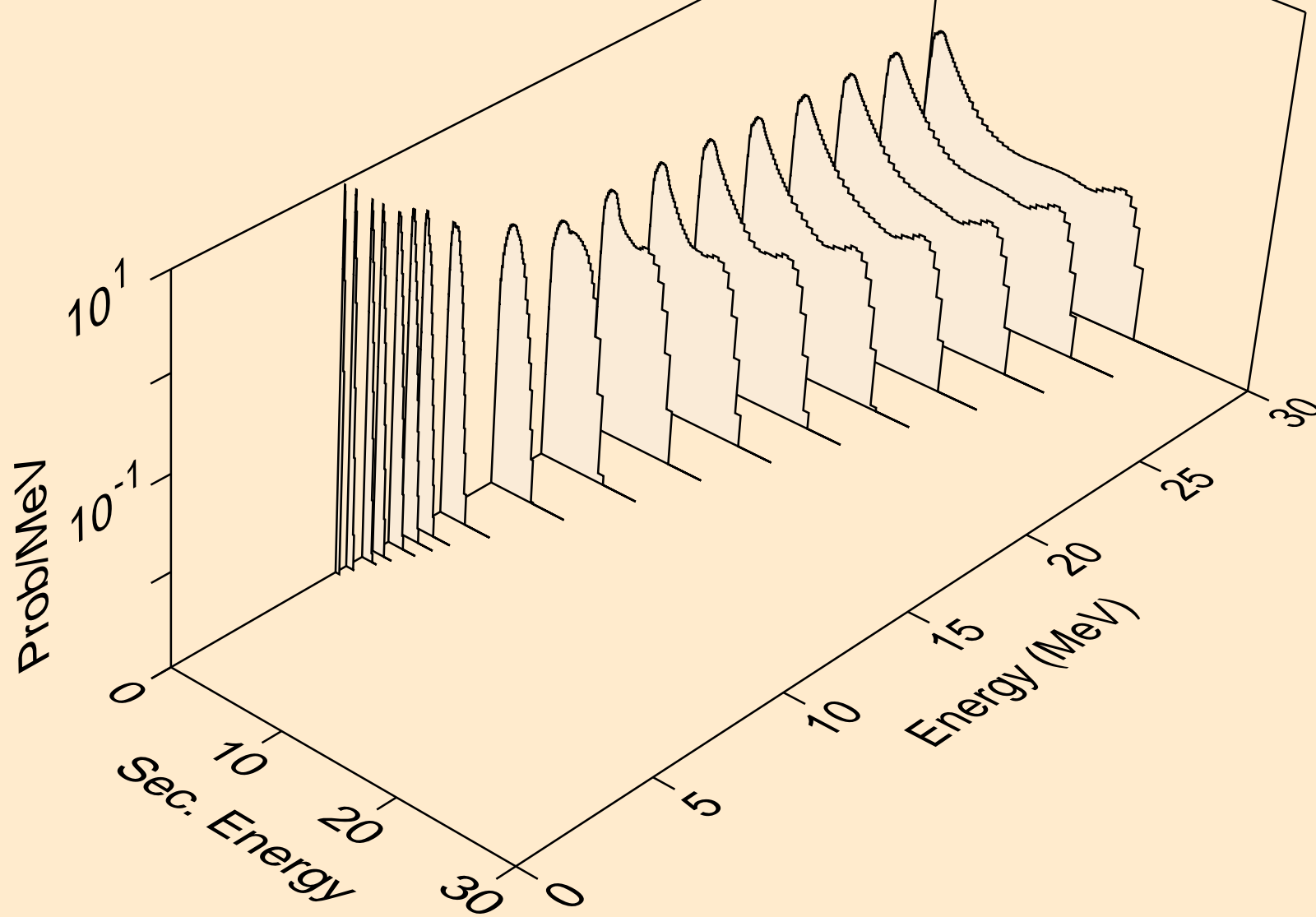


ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)

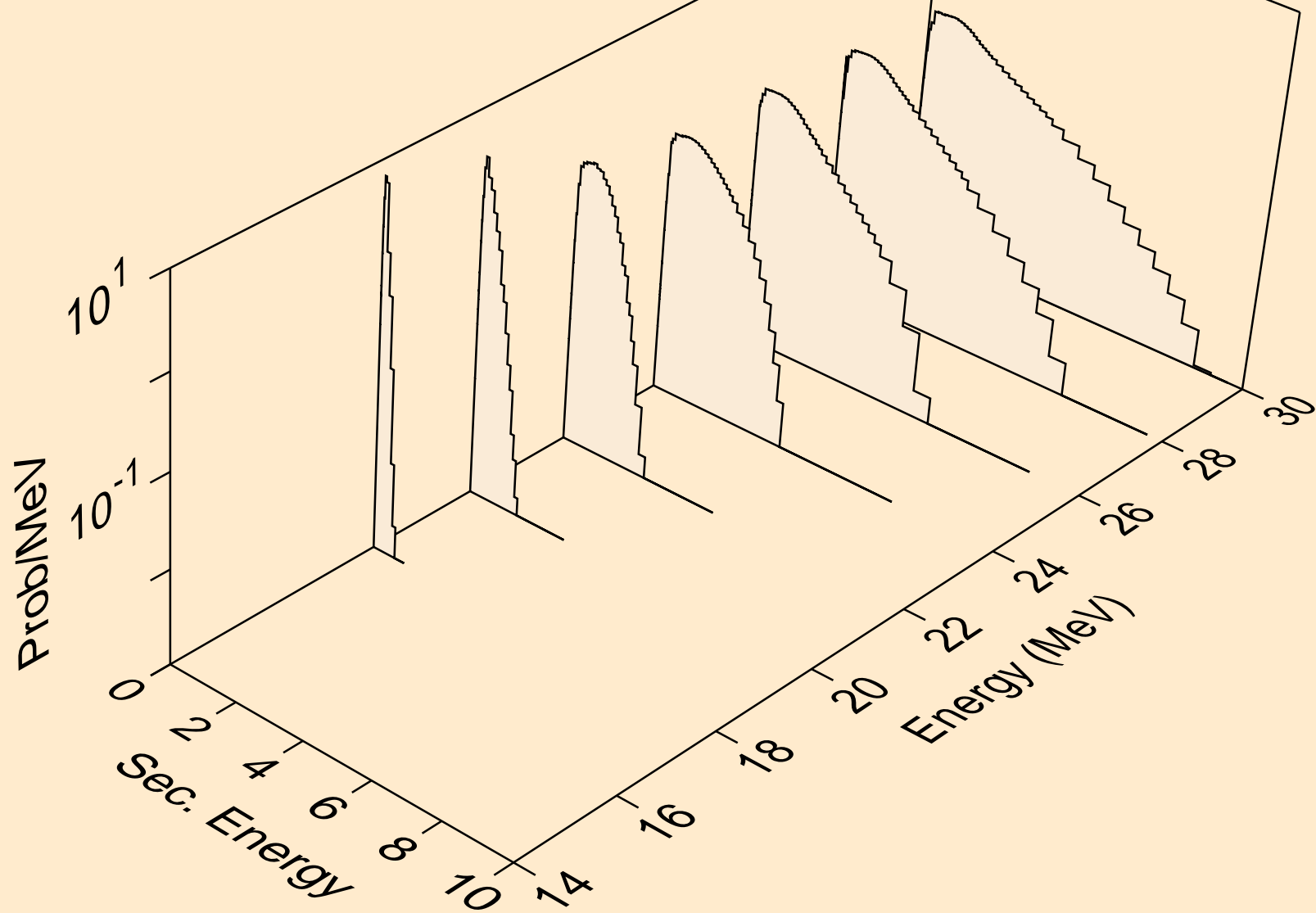




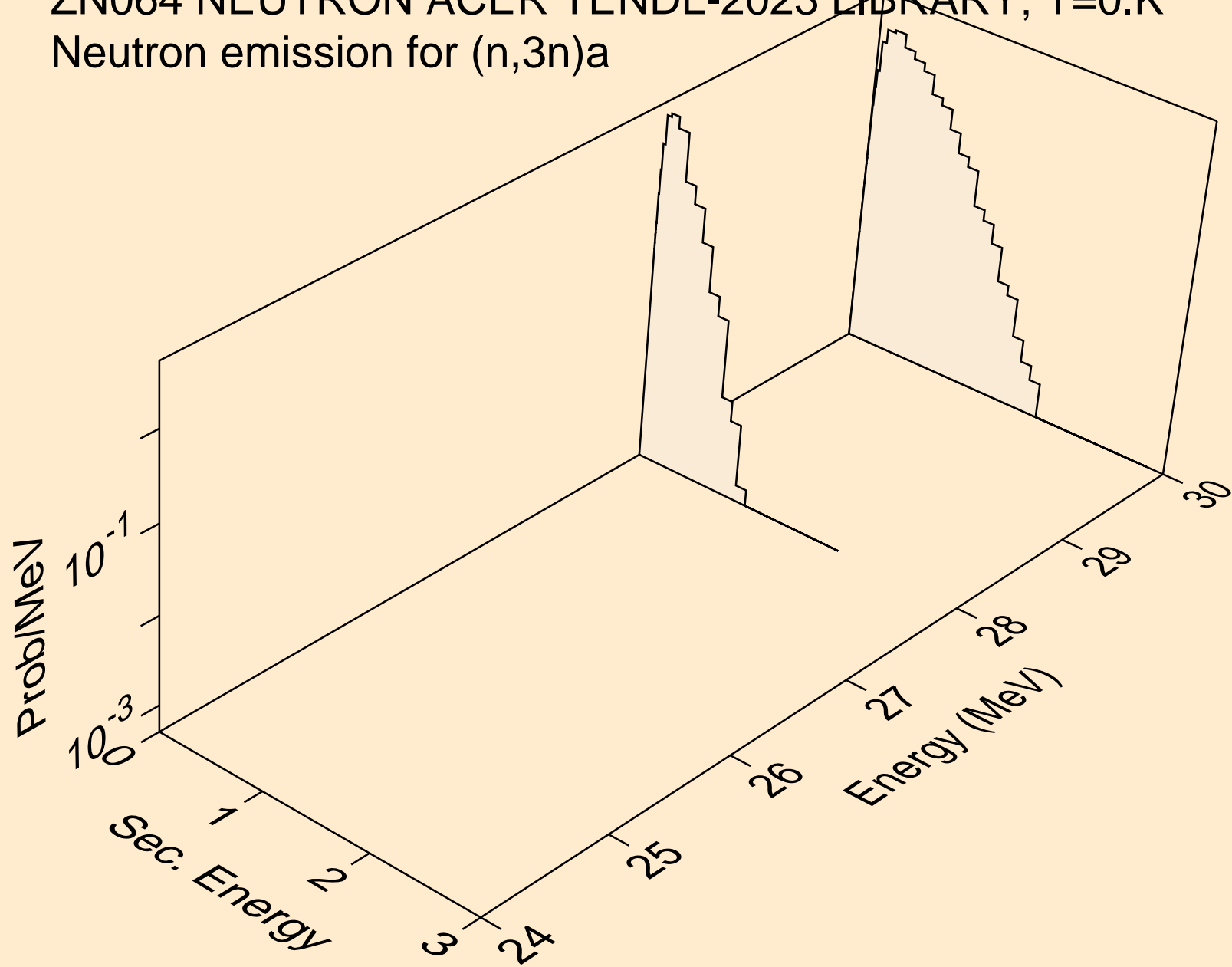
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



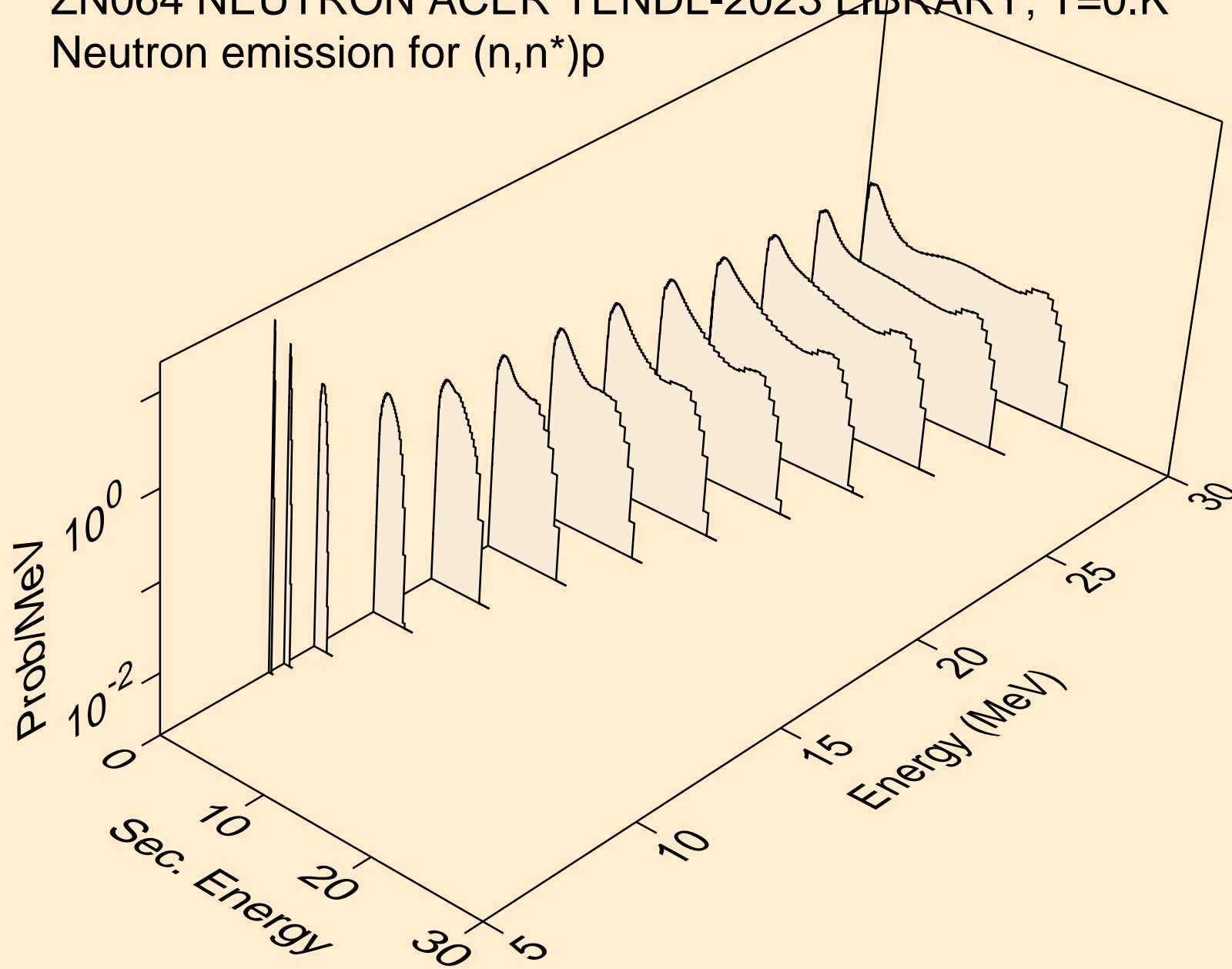
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)<sub>a</sub>



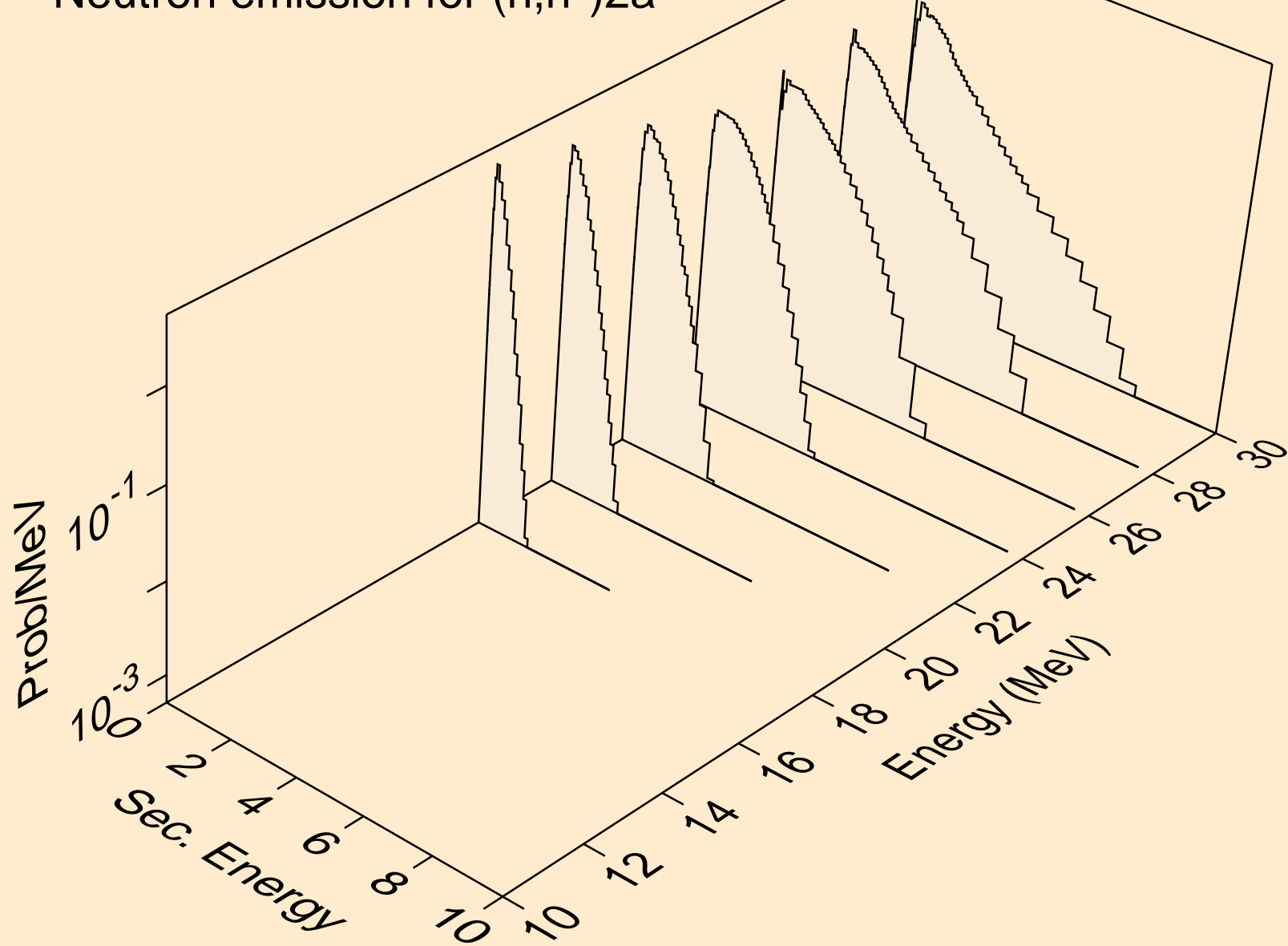
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



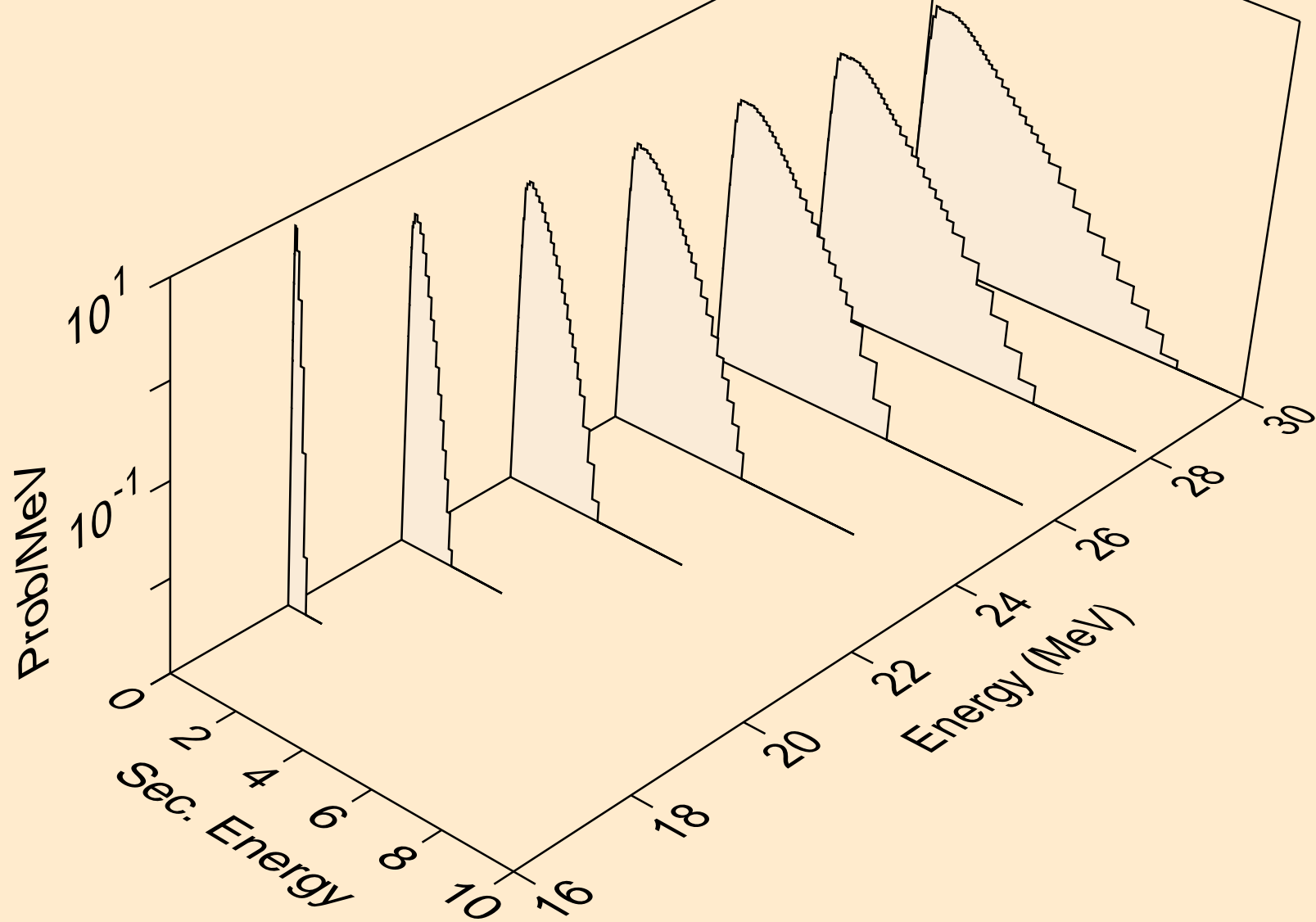
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



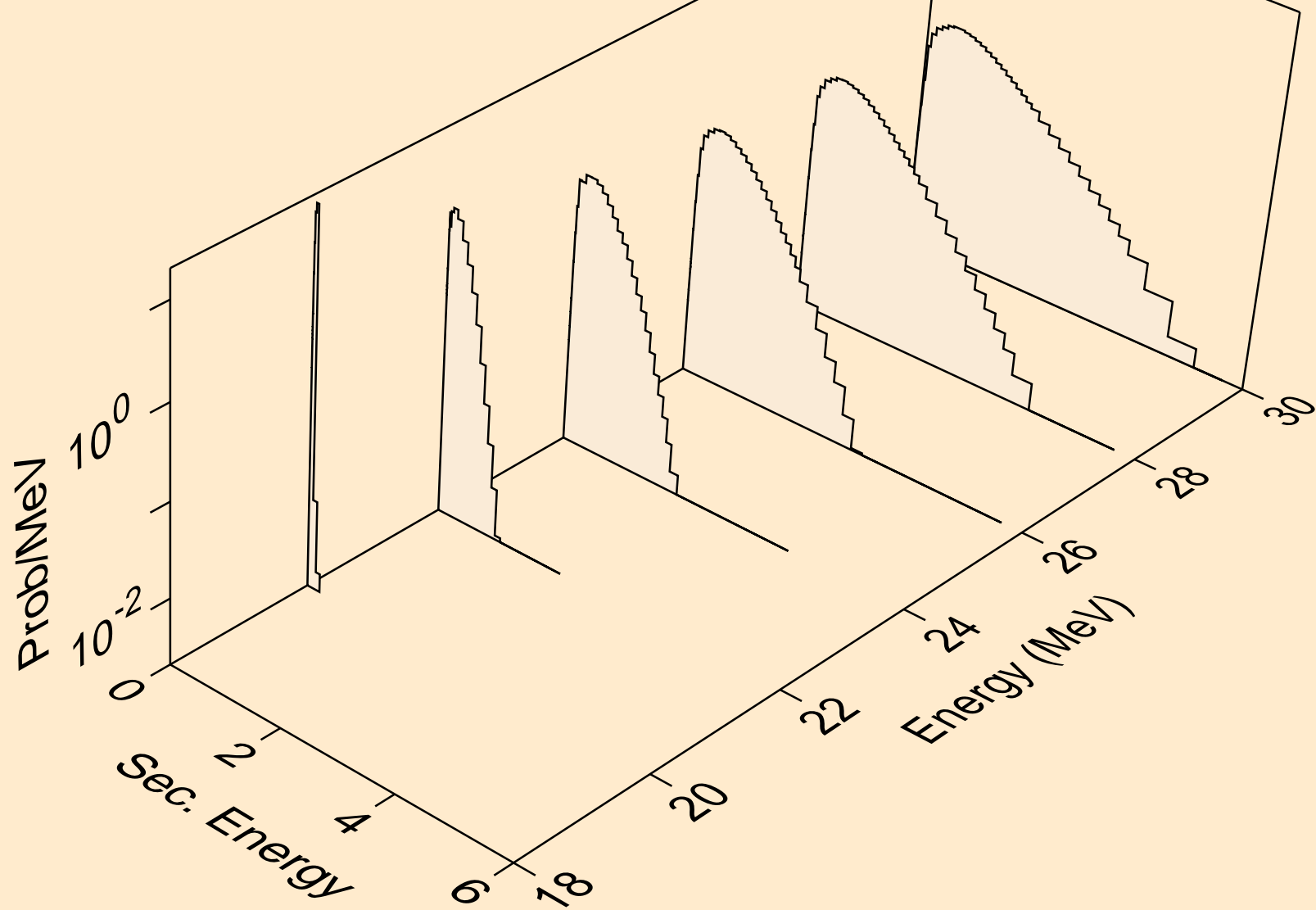
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



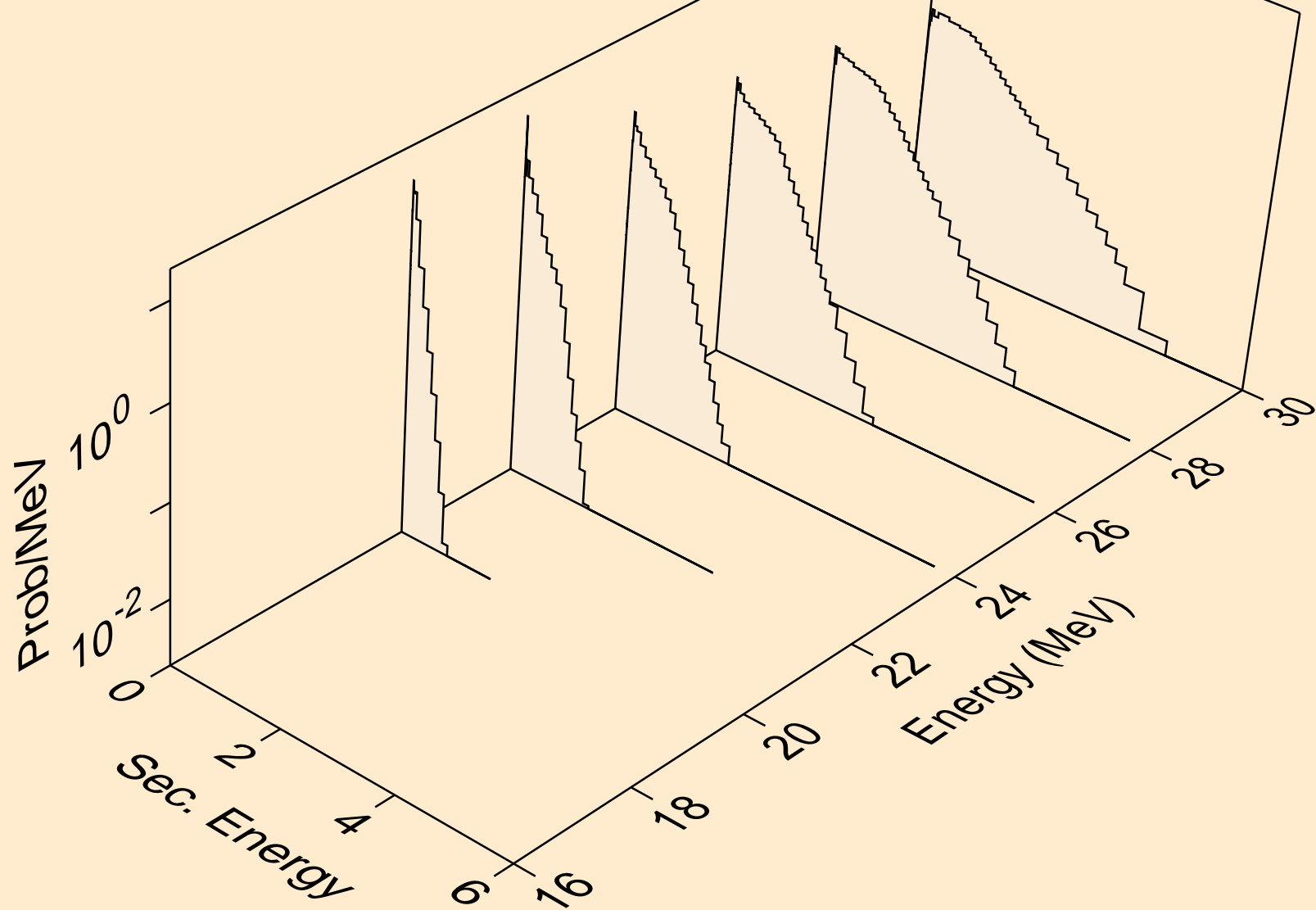
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t

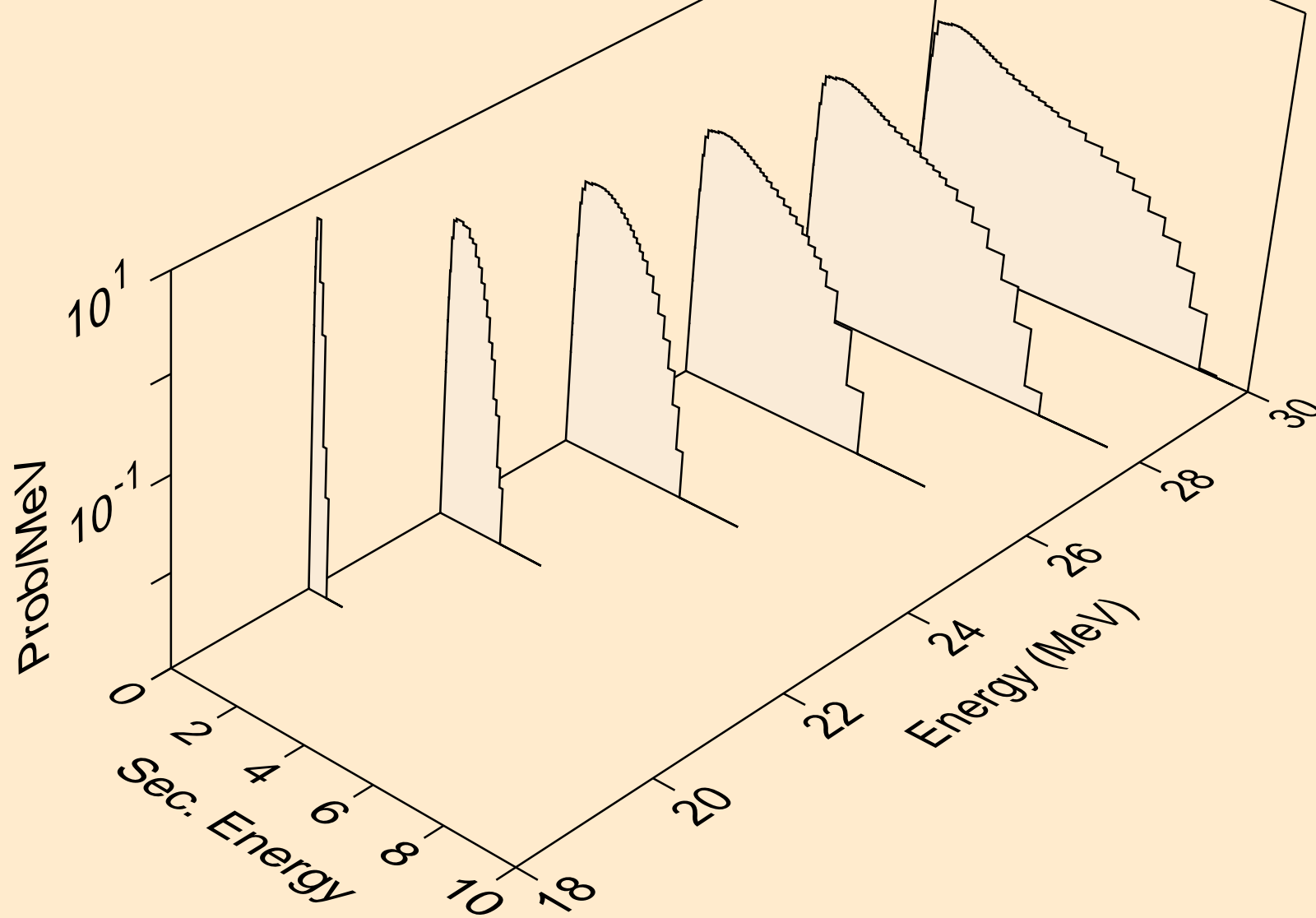


ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3

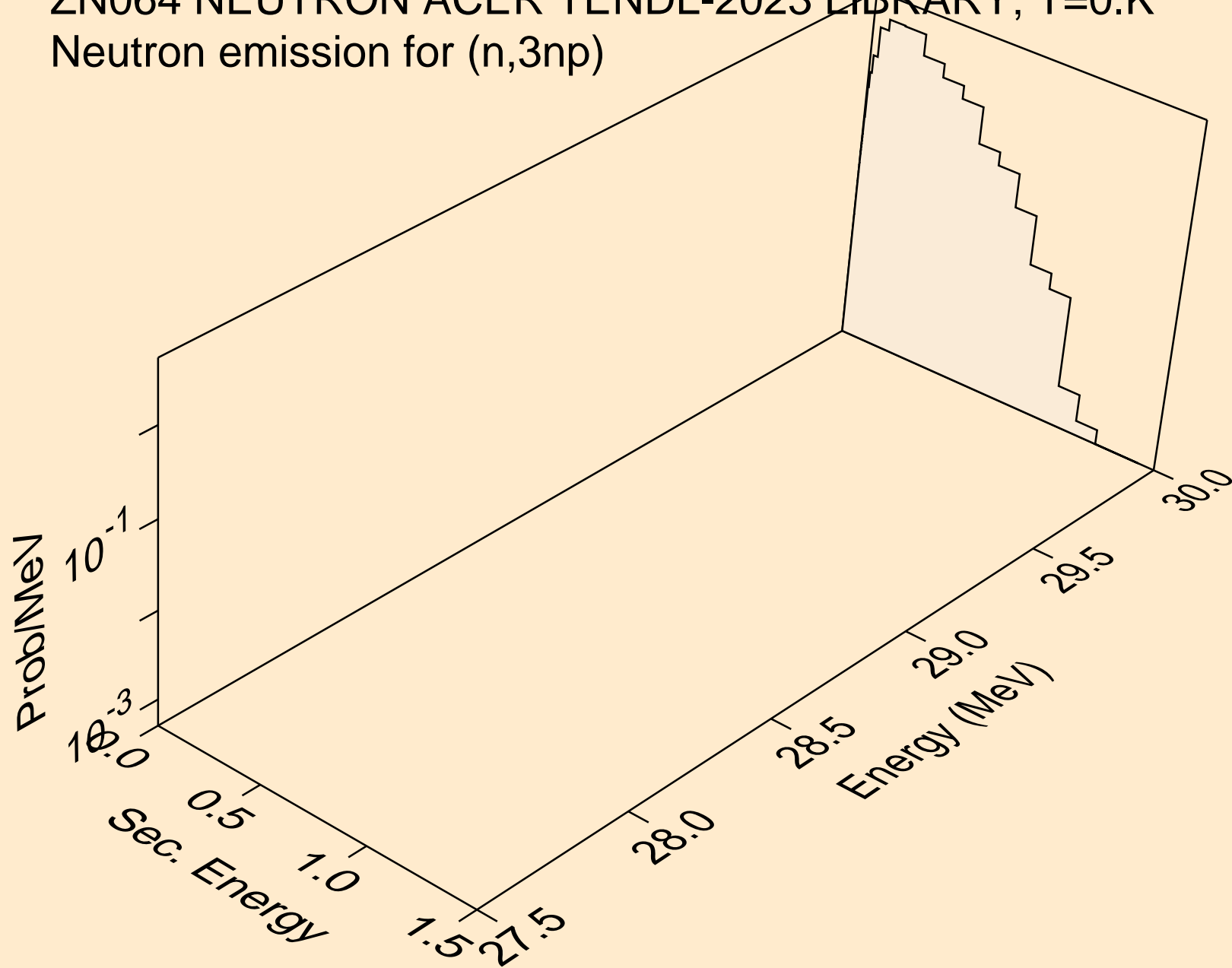




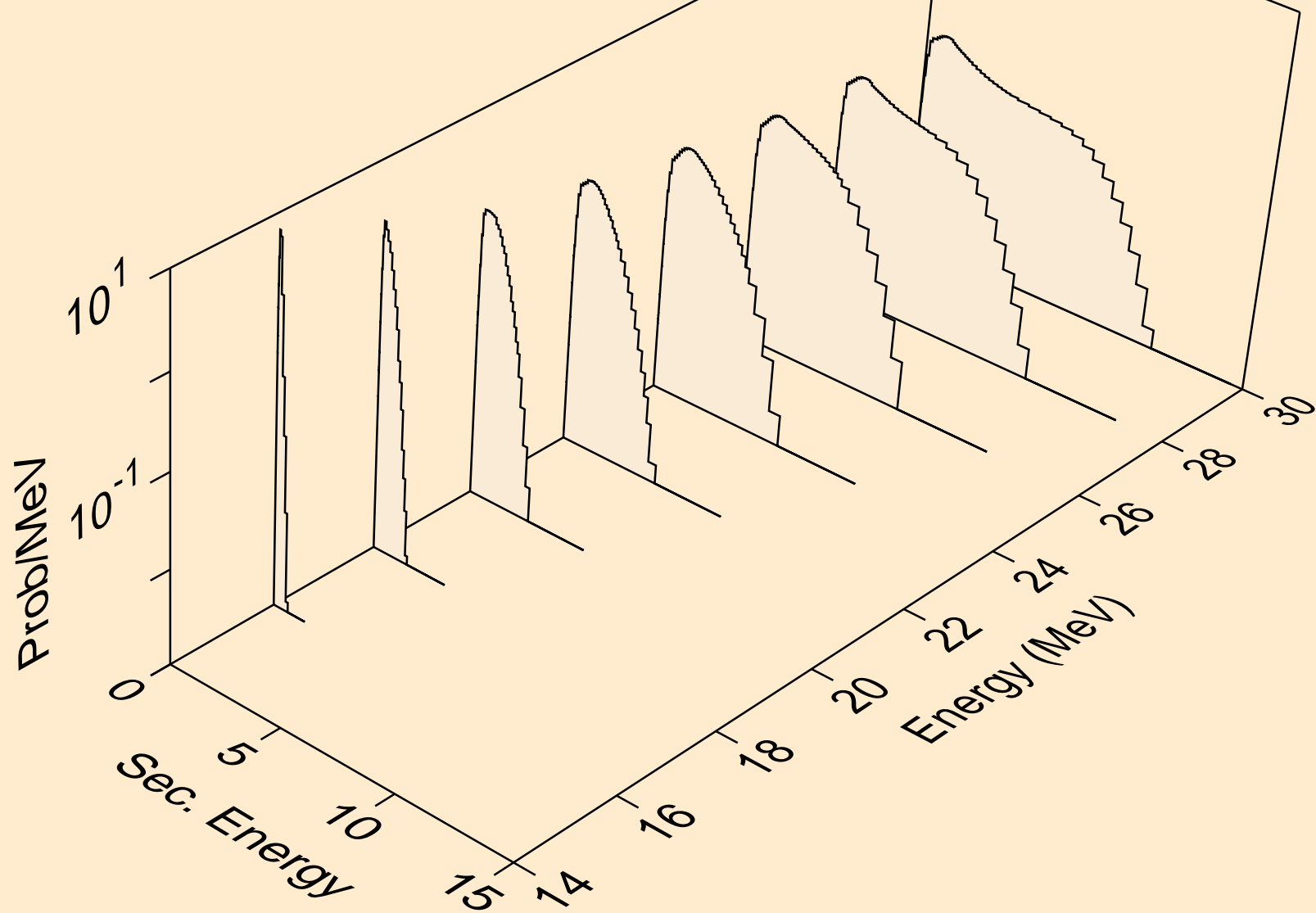
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



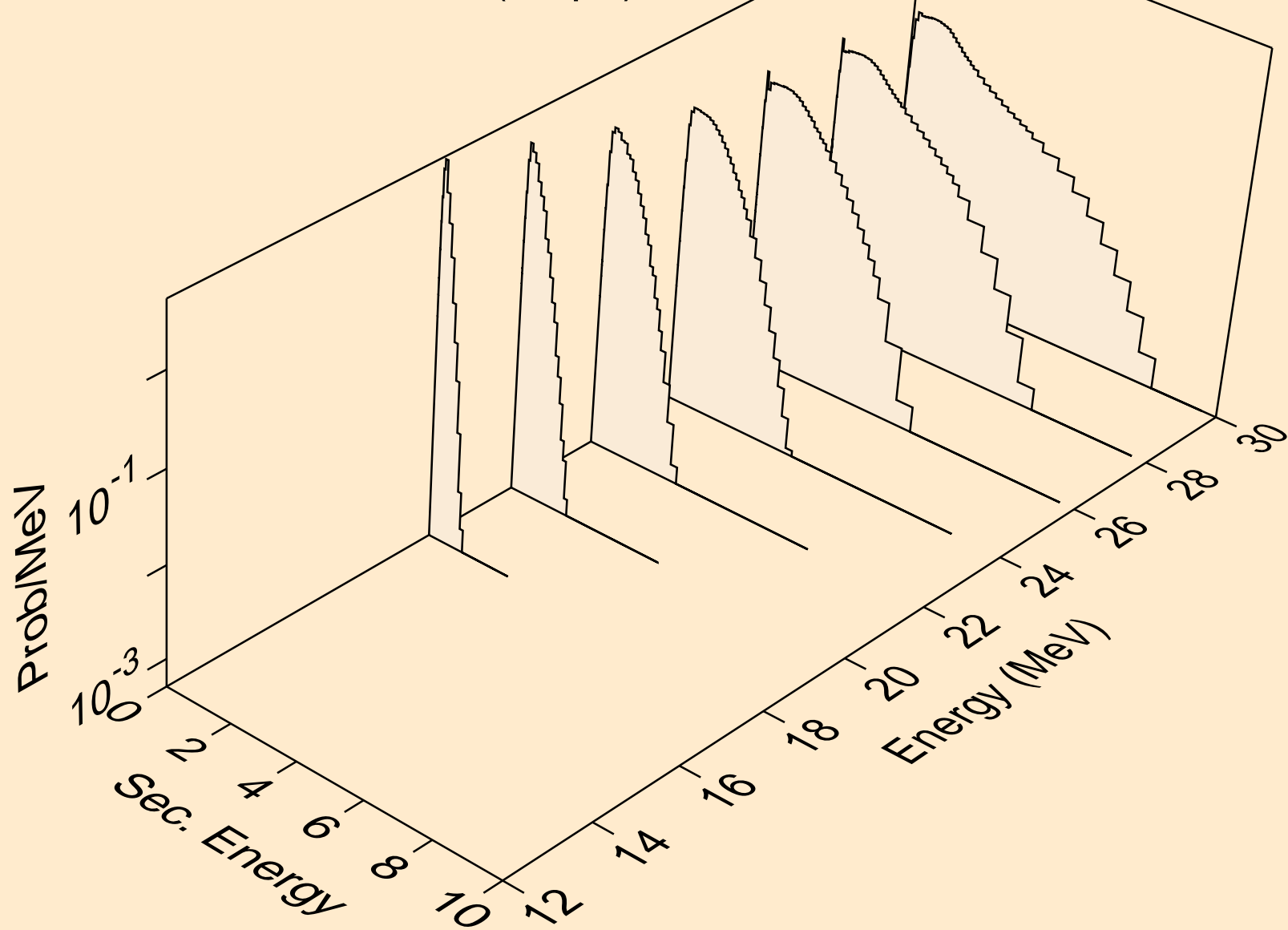
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



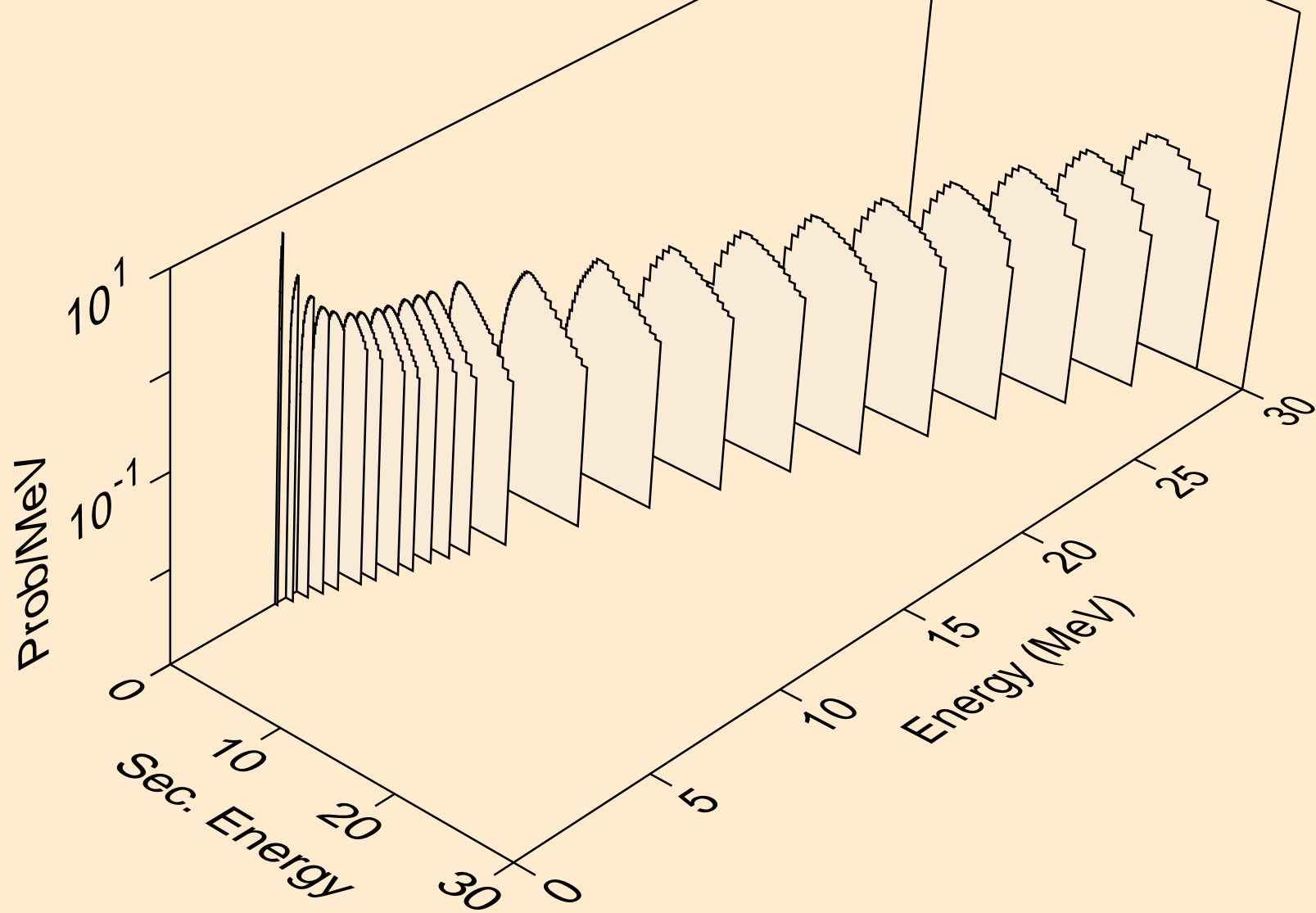
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Neutron emission for (n,n2p)



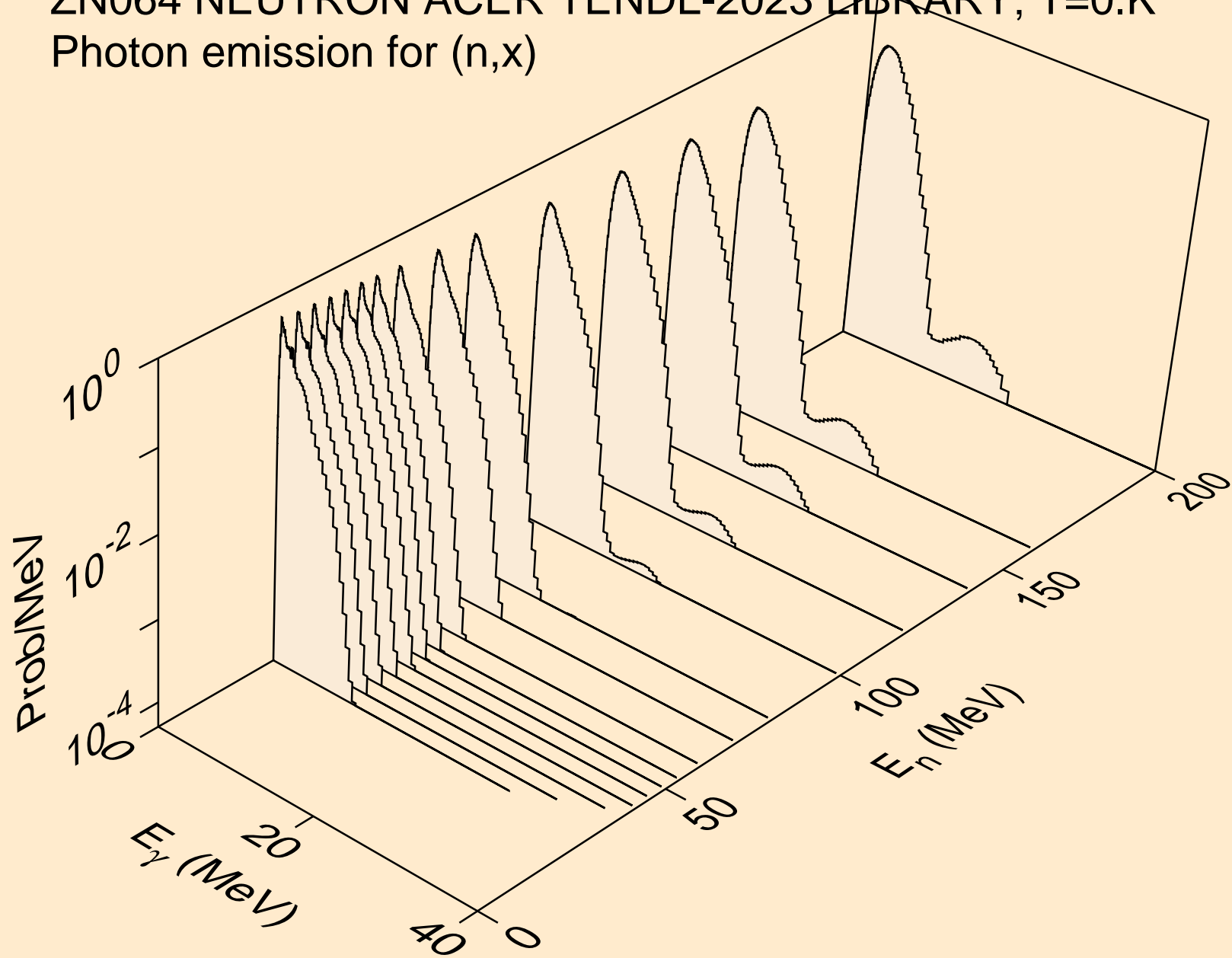
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Neutron emission for (n,npa)



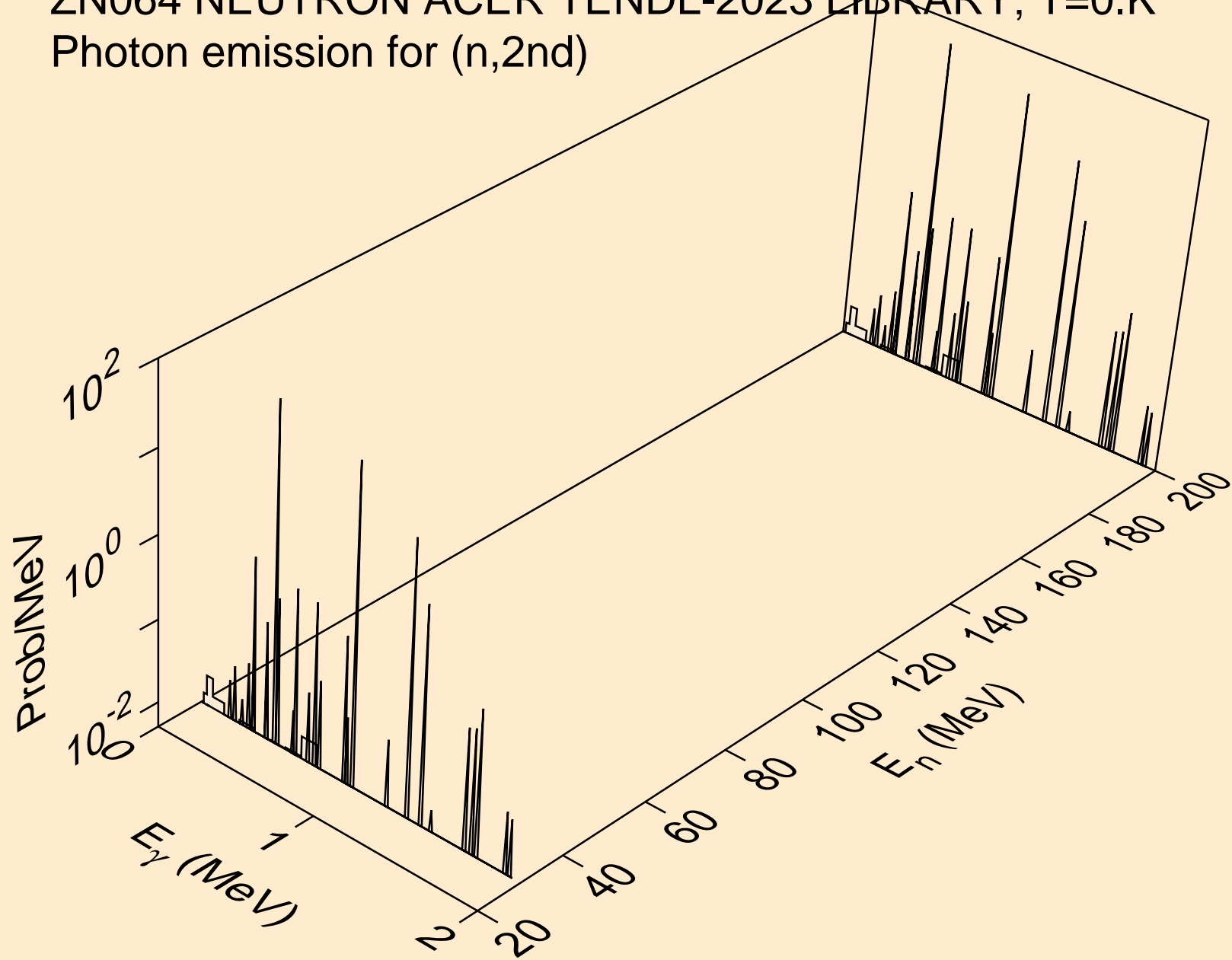
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Neutron emission for (n,n\*c)



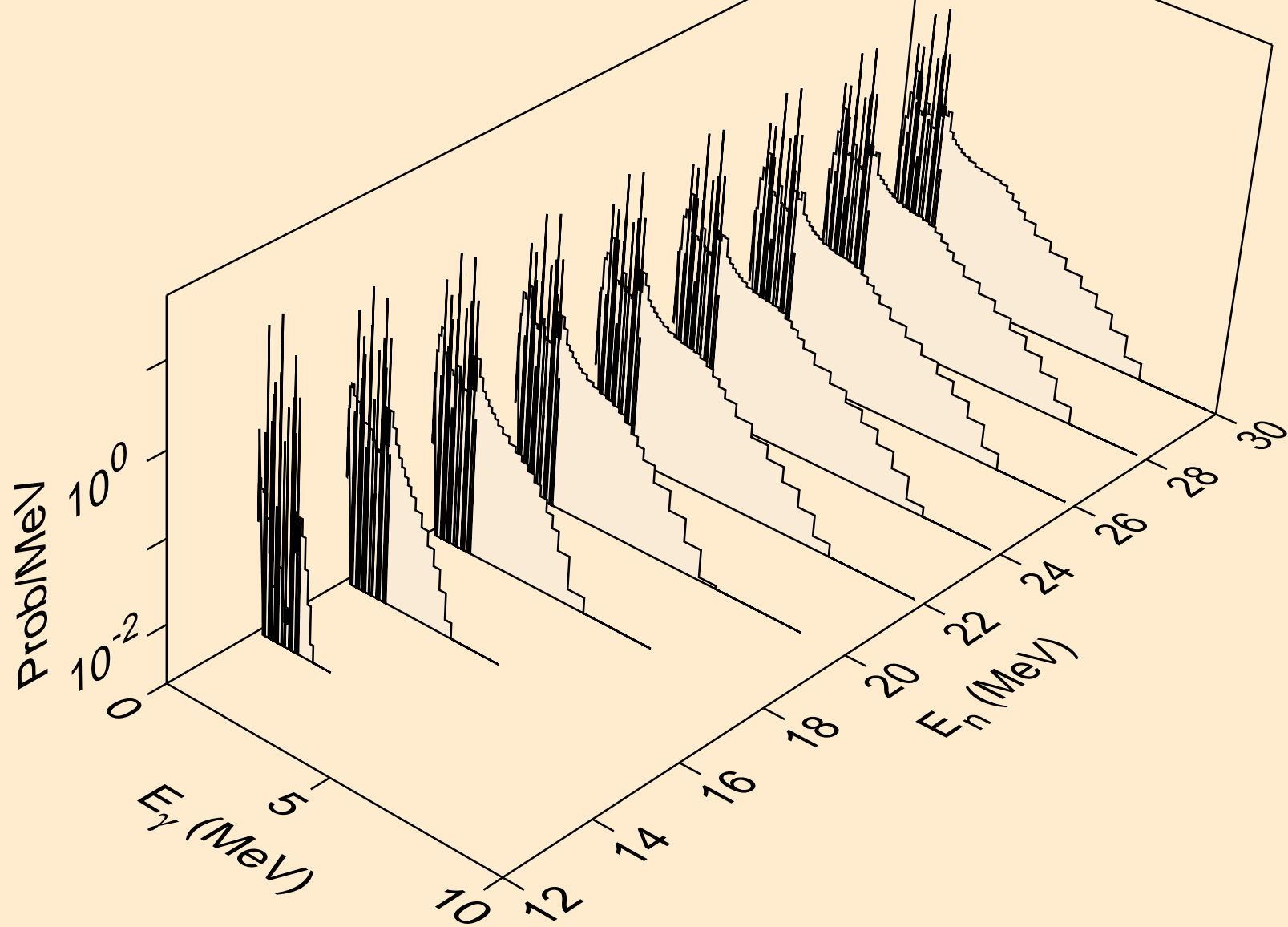
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)

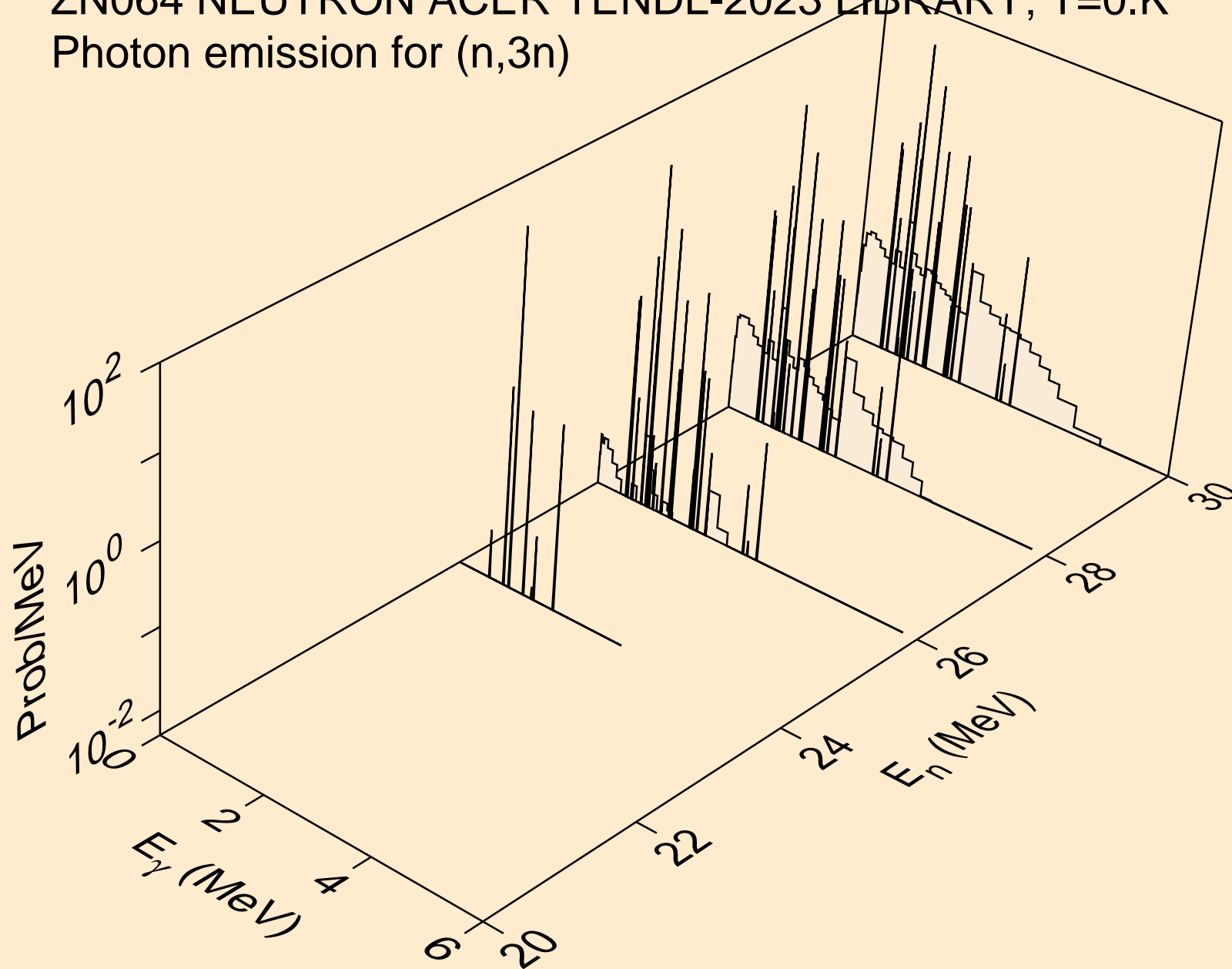


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Photon emission for (n,2n)

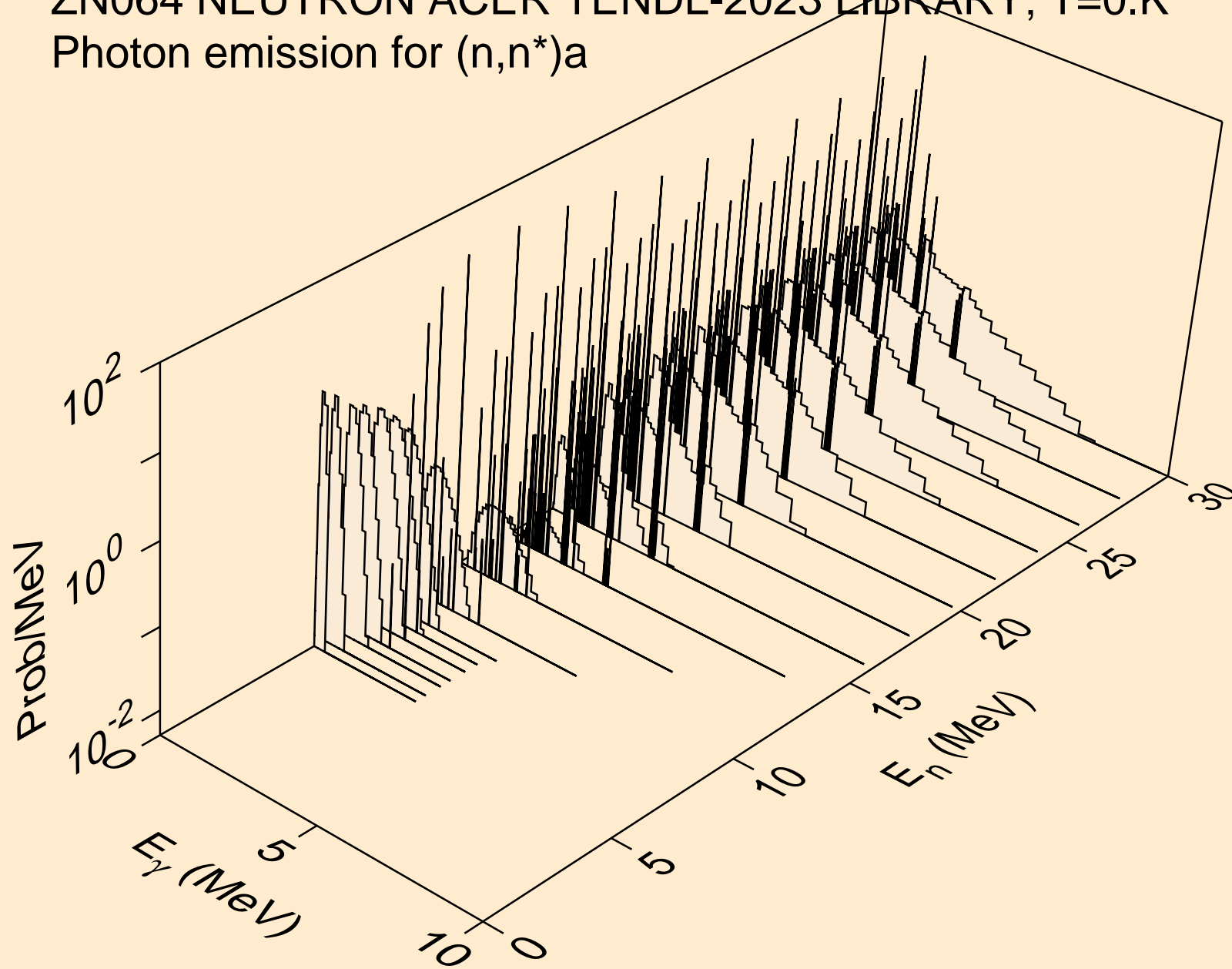




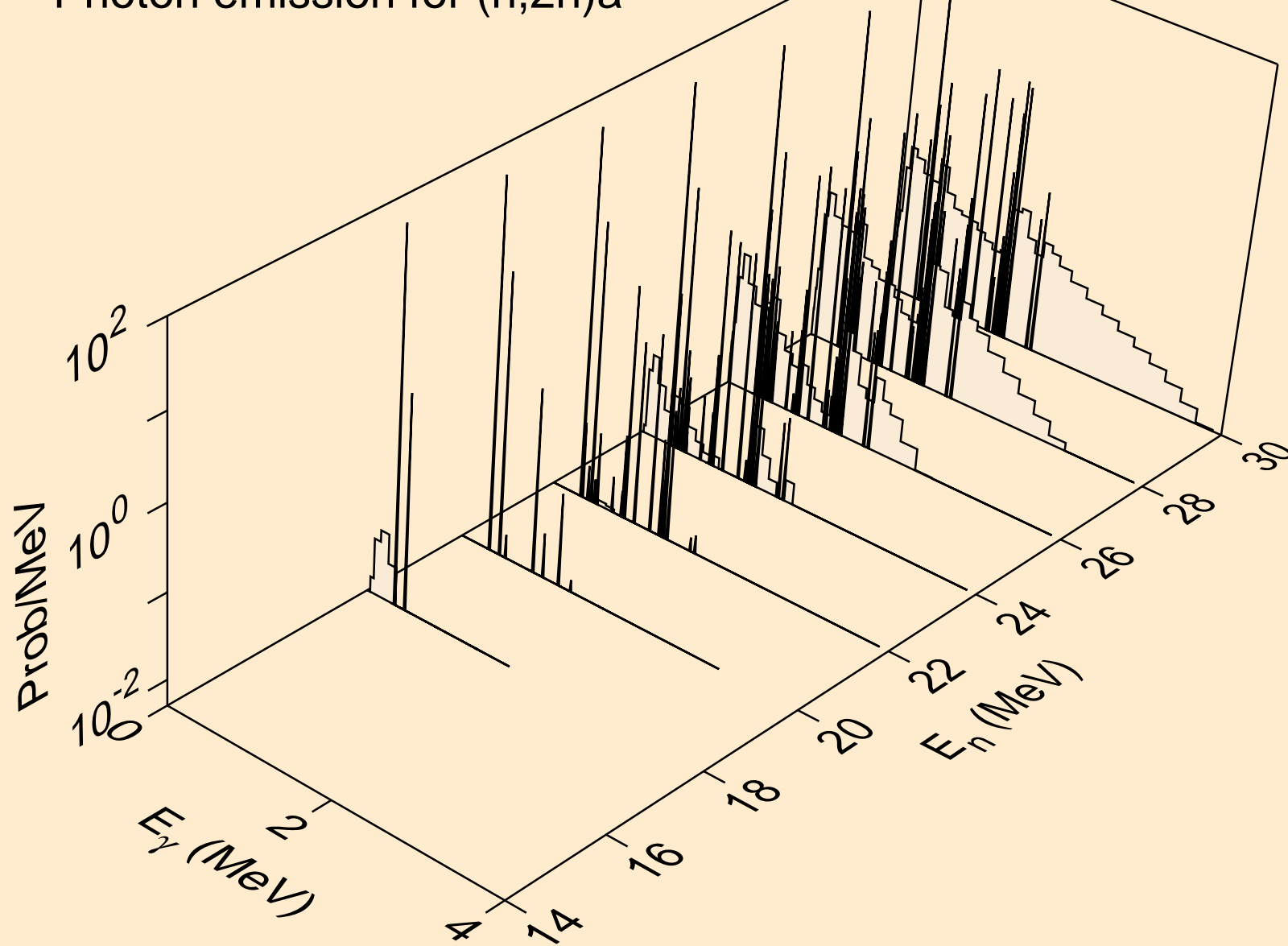
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Photon emission for (n,3n)



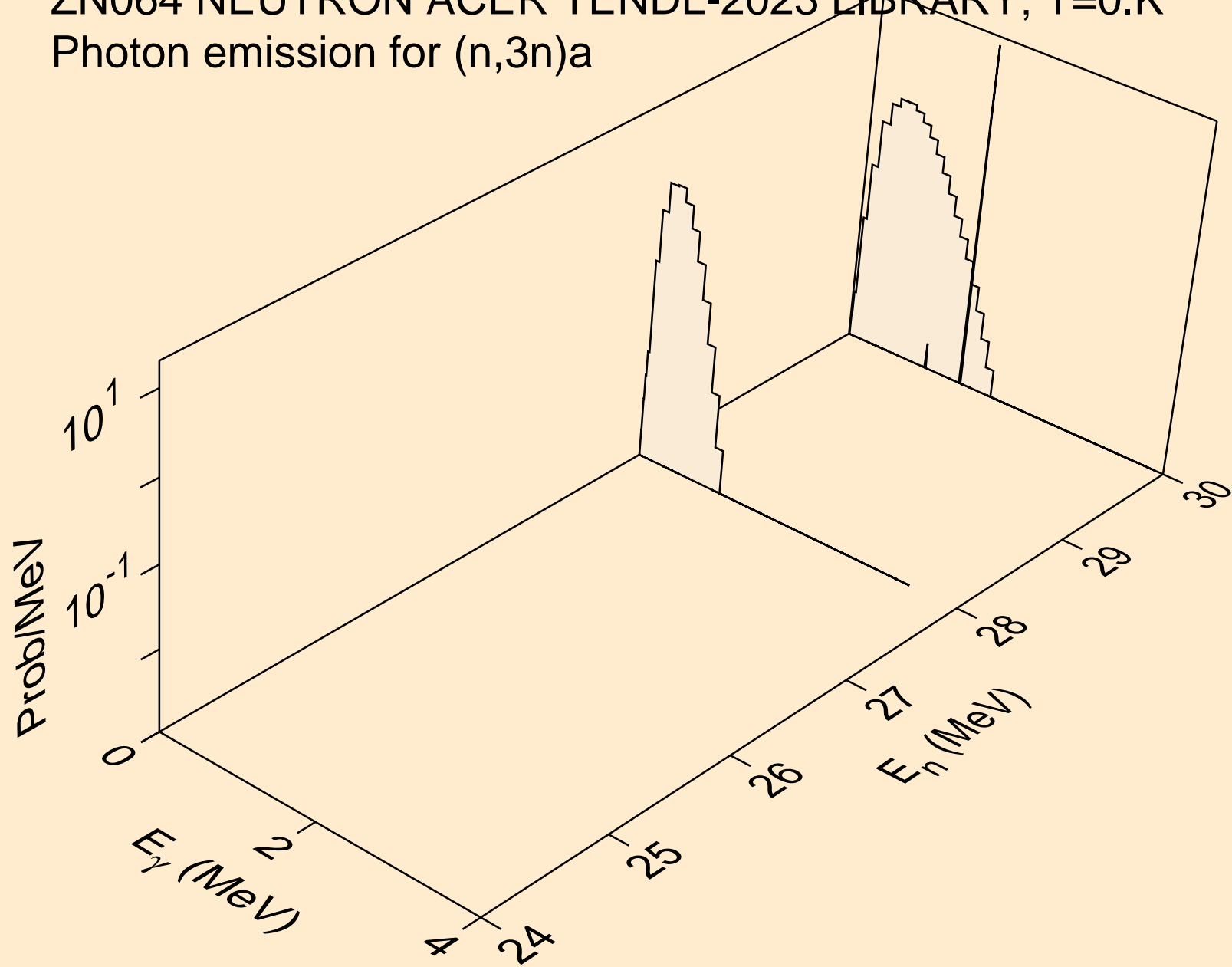
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



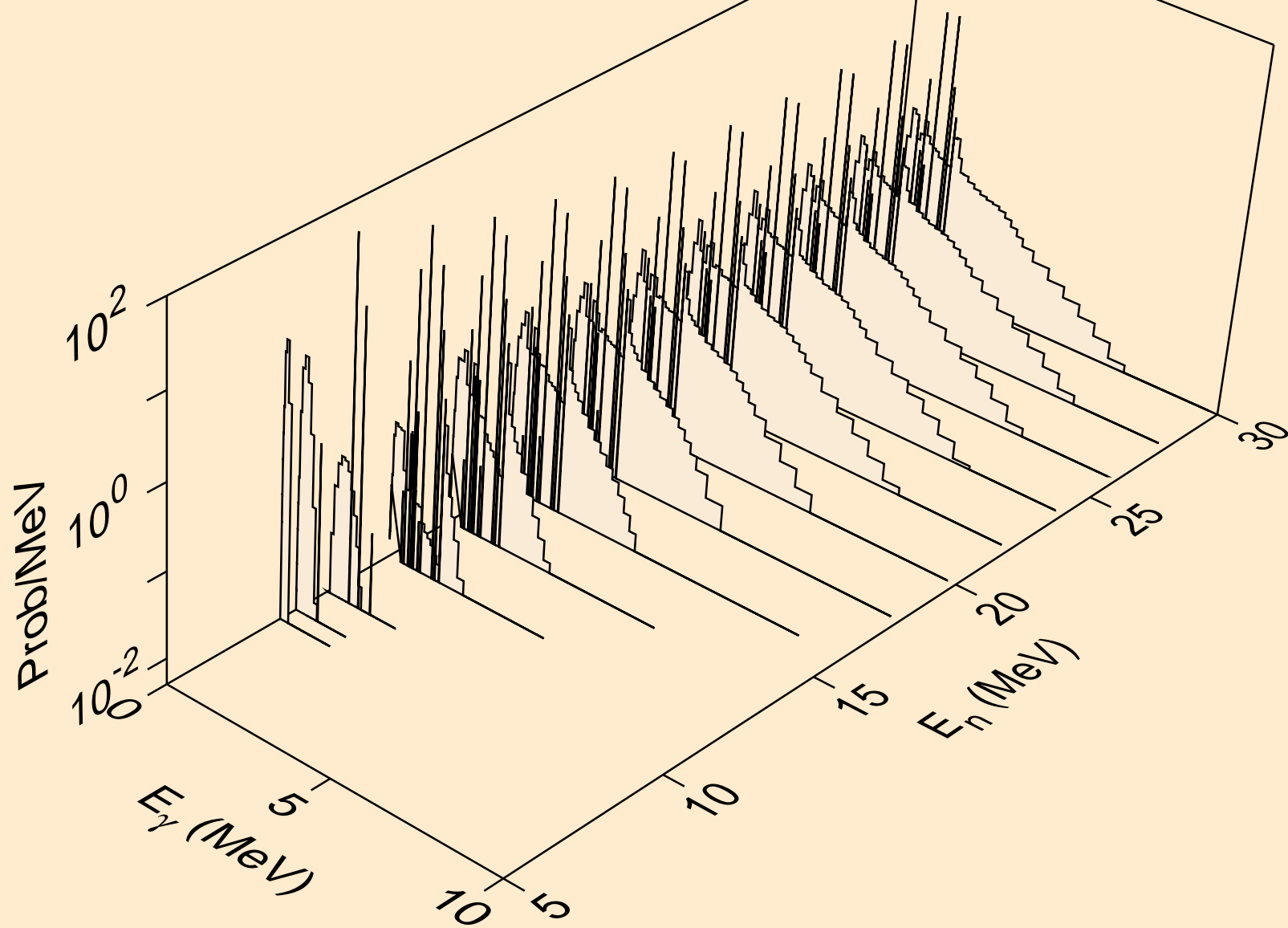
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Photon emission for (n,2n)a



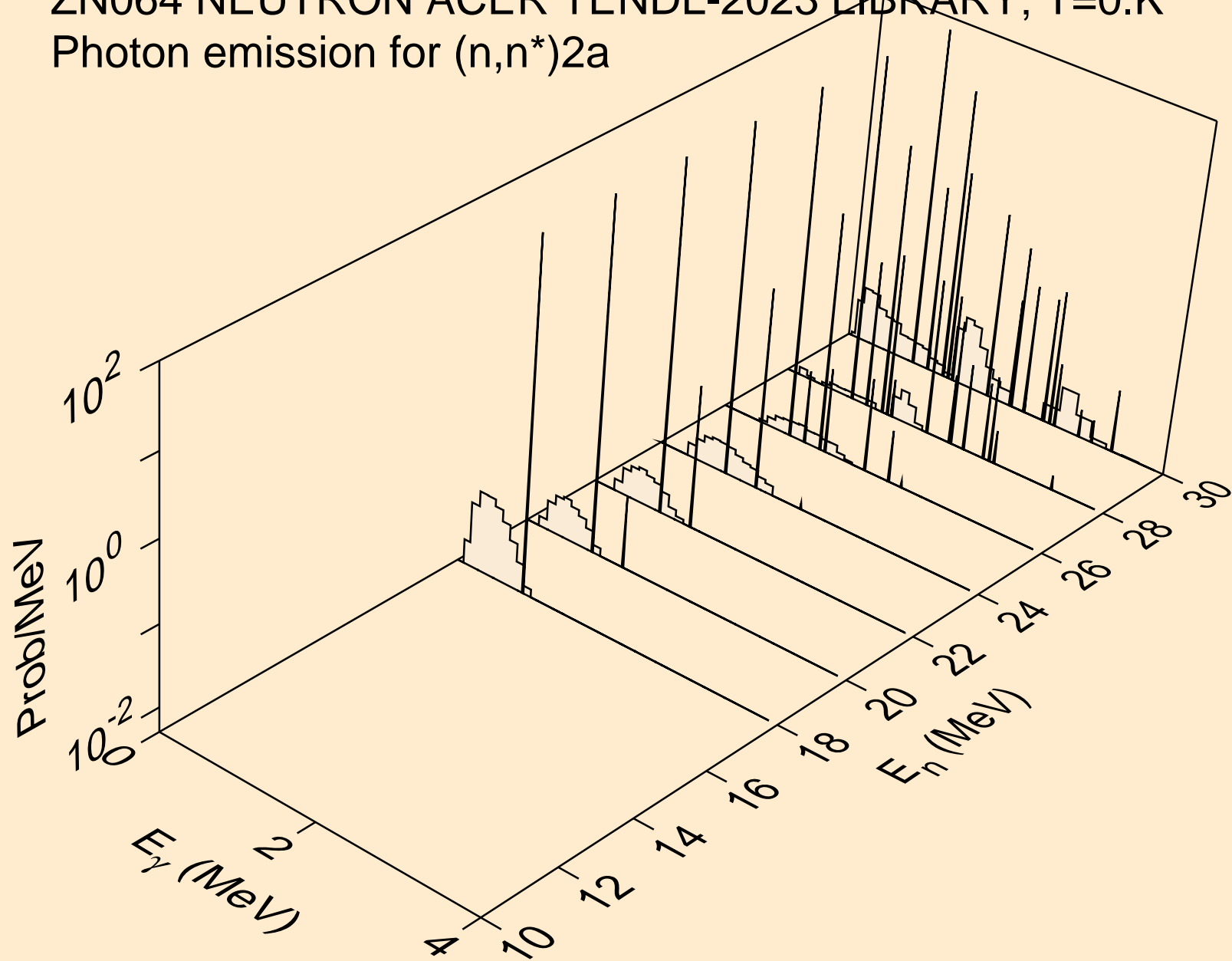
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Photon emission for (n,3n)a



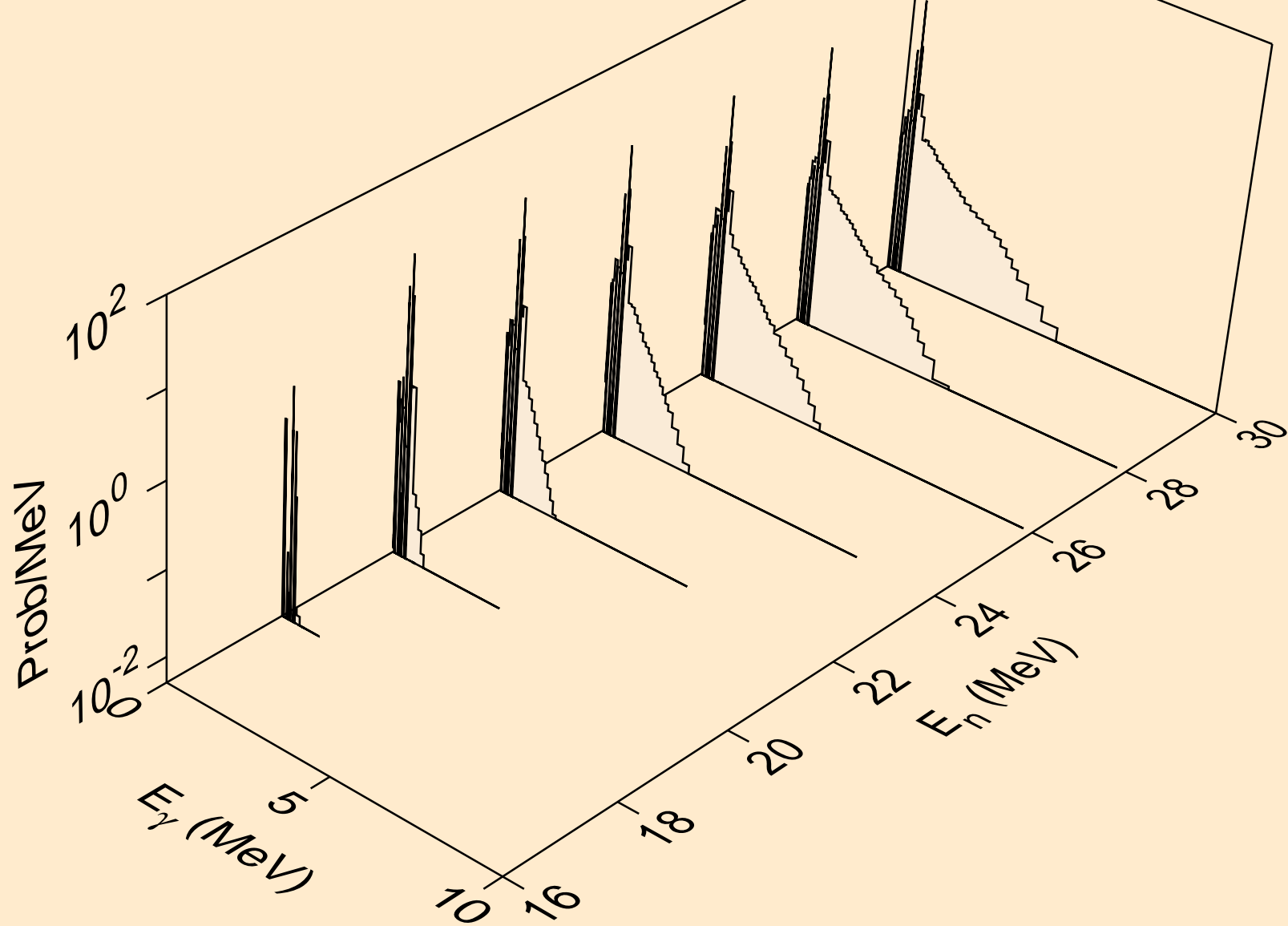
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Photon emission for (n,n\*)p



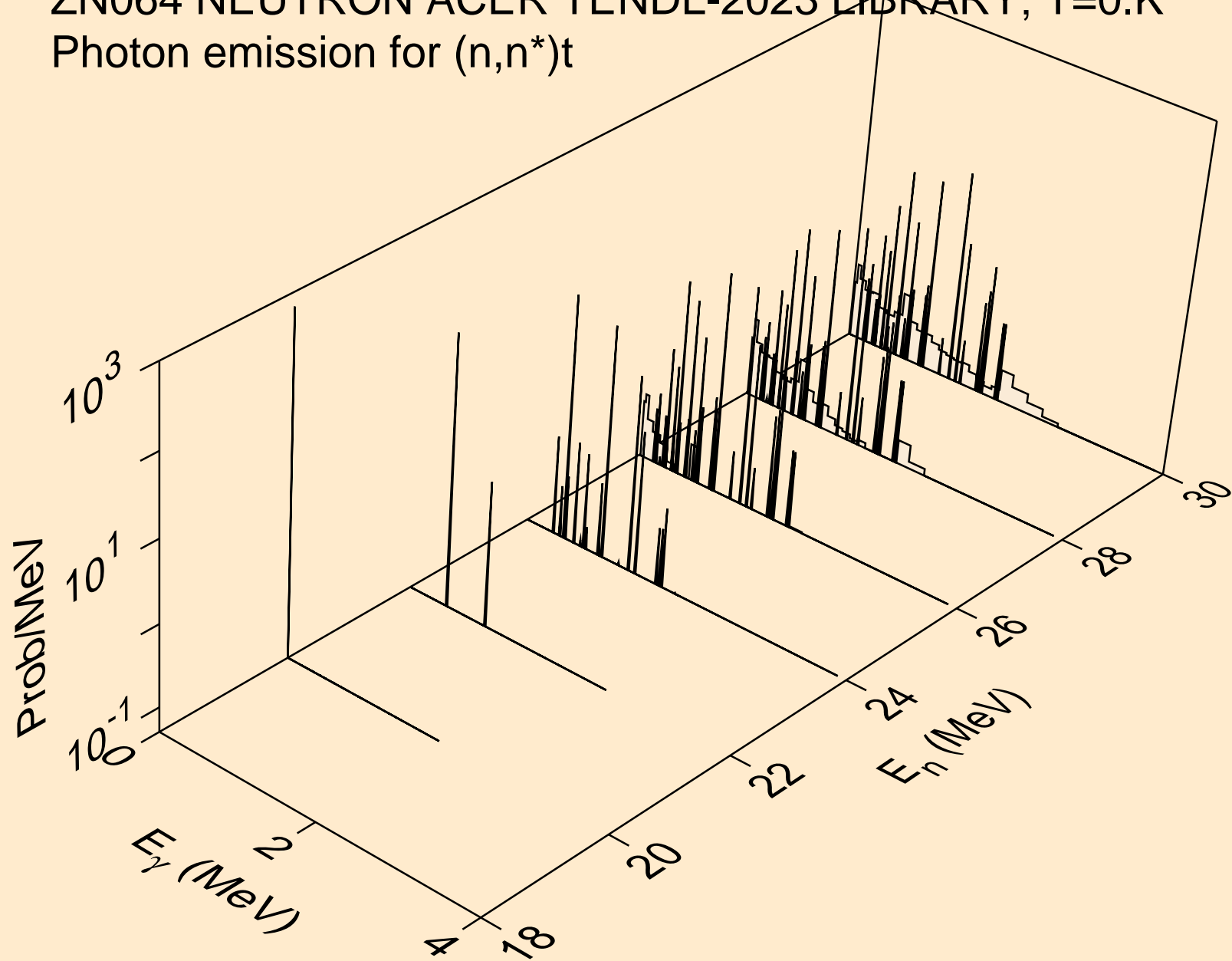
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

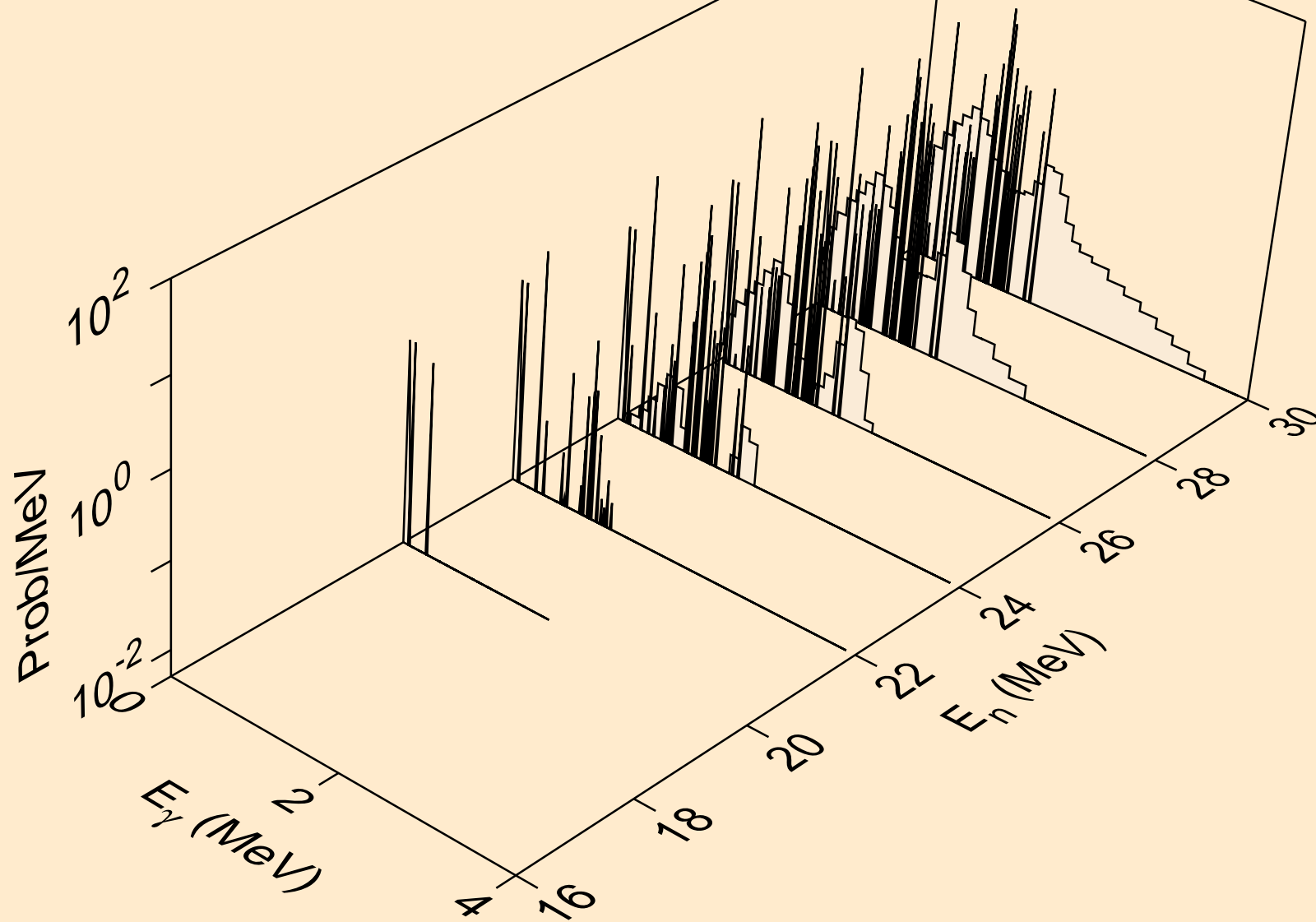


ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

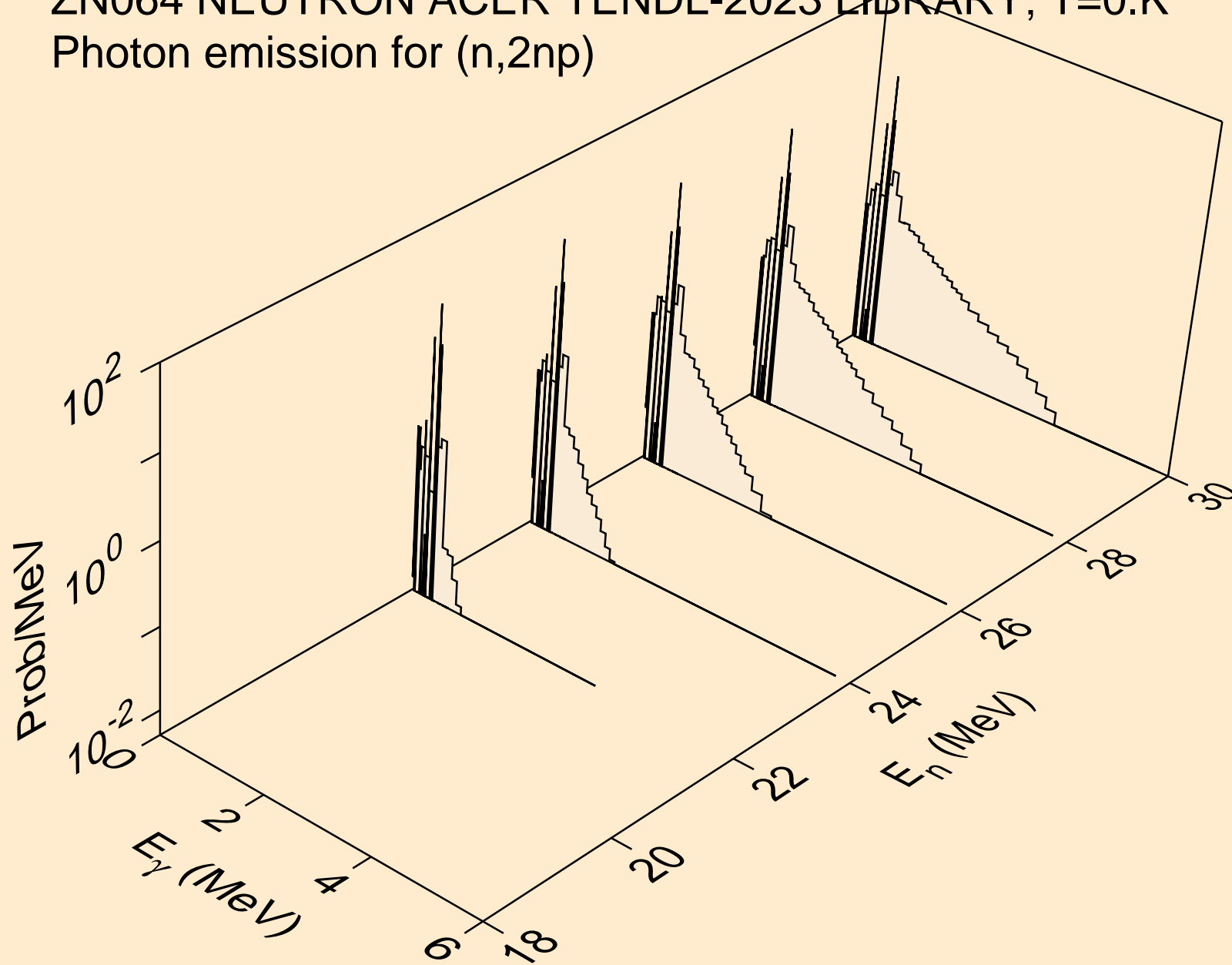




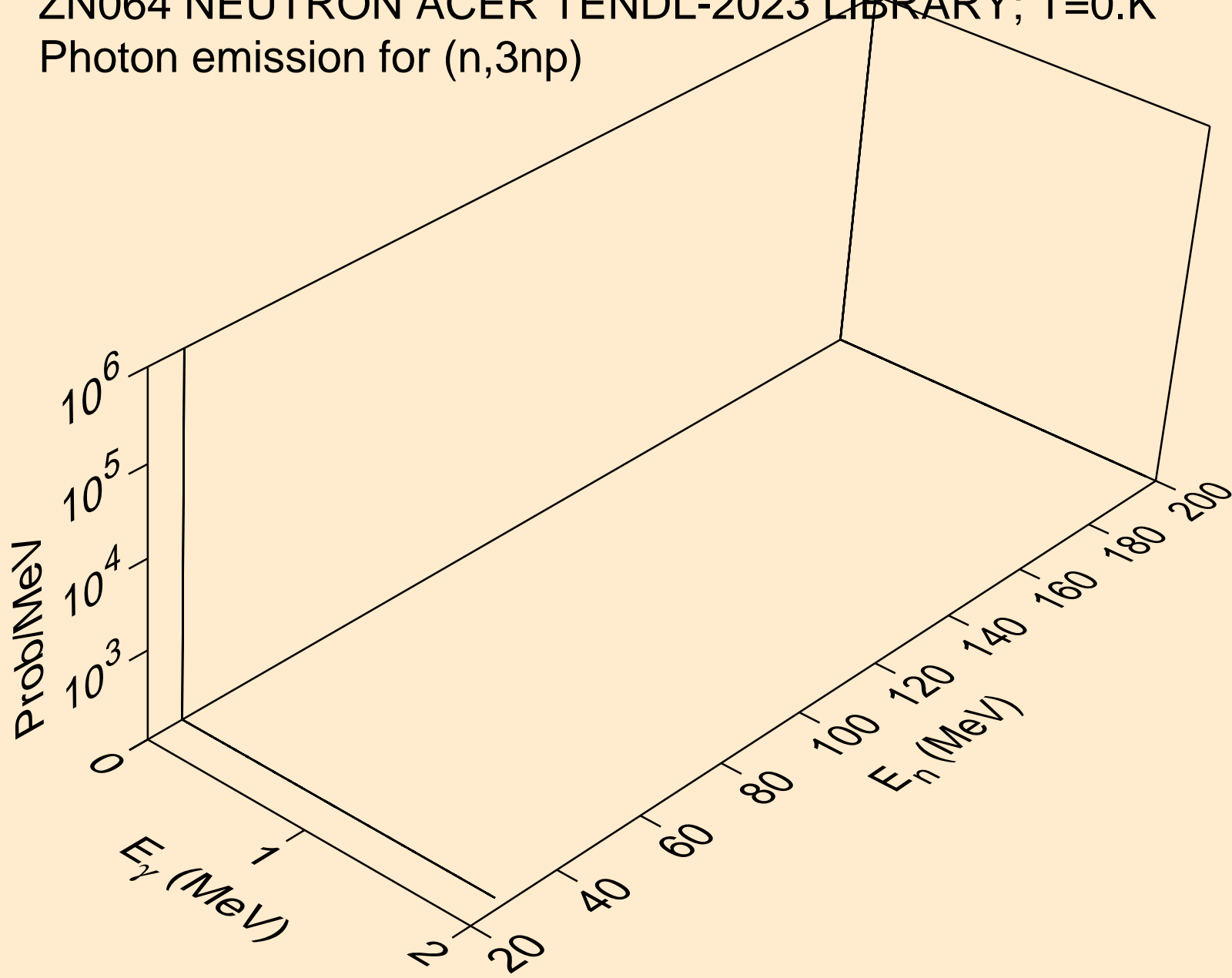
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



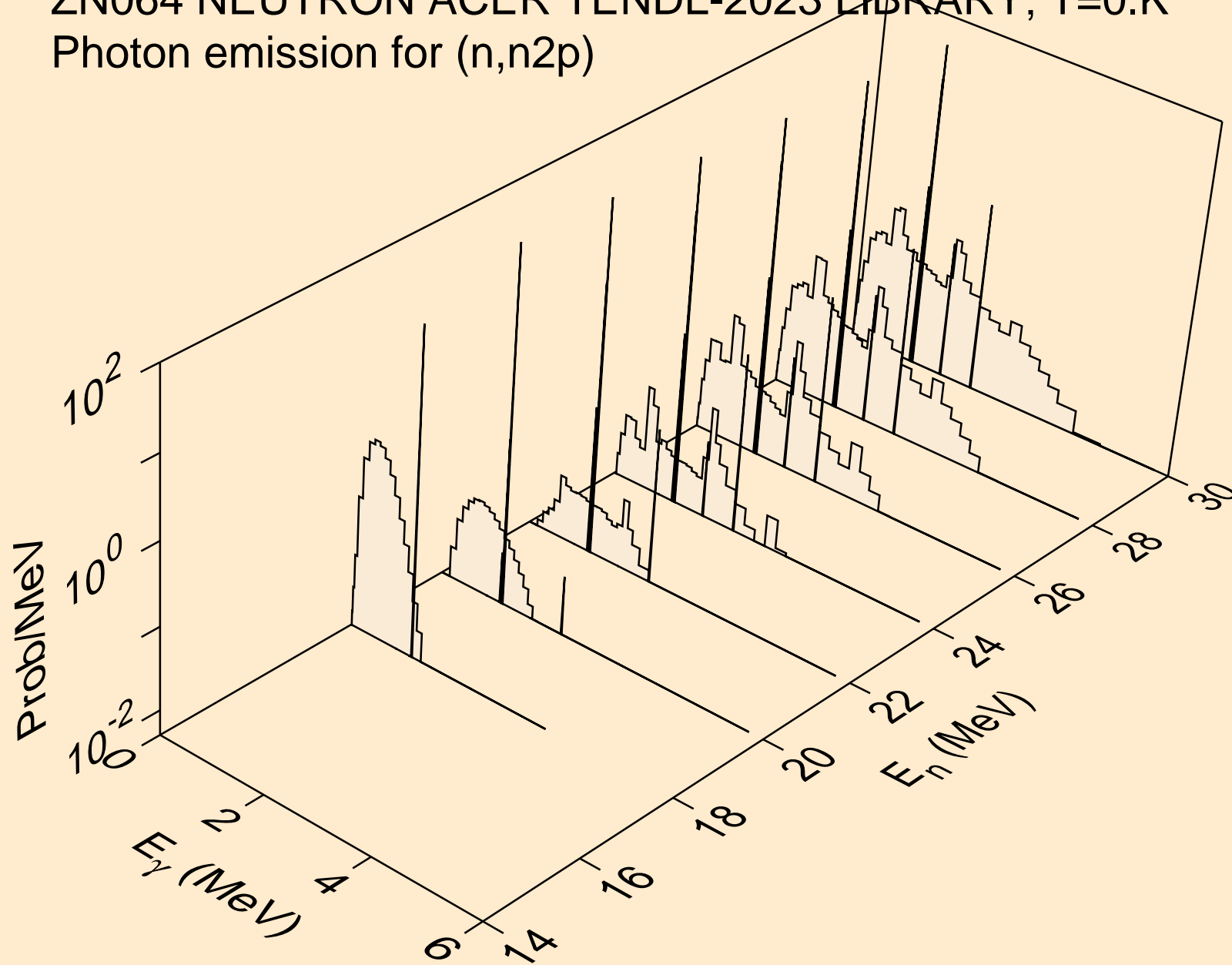
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Photon emission for (n,2np)



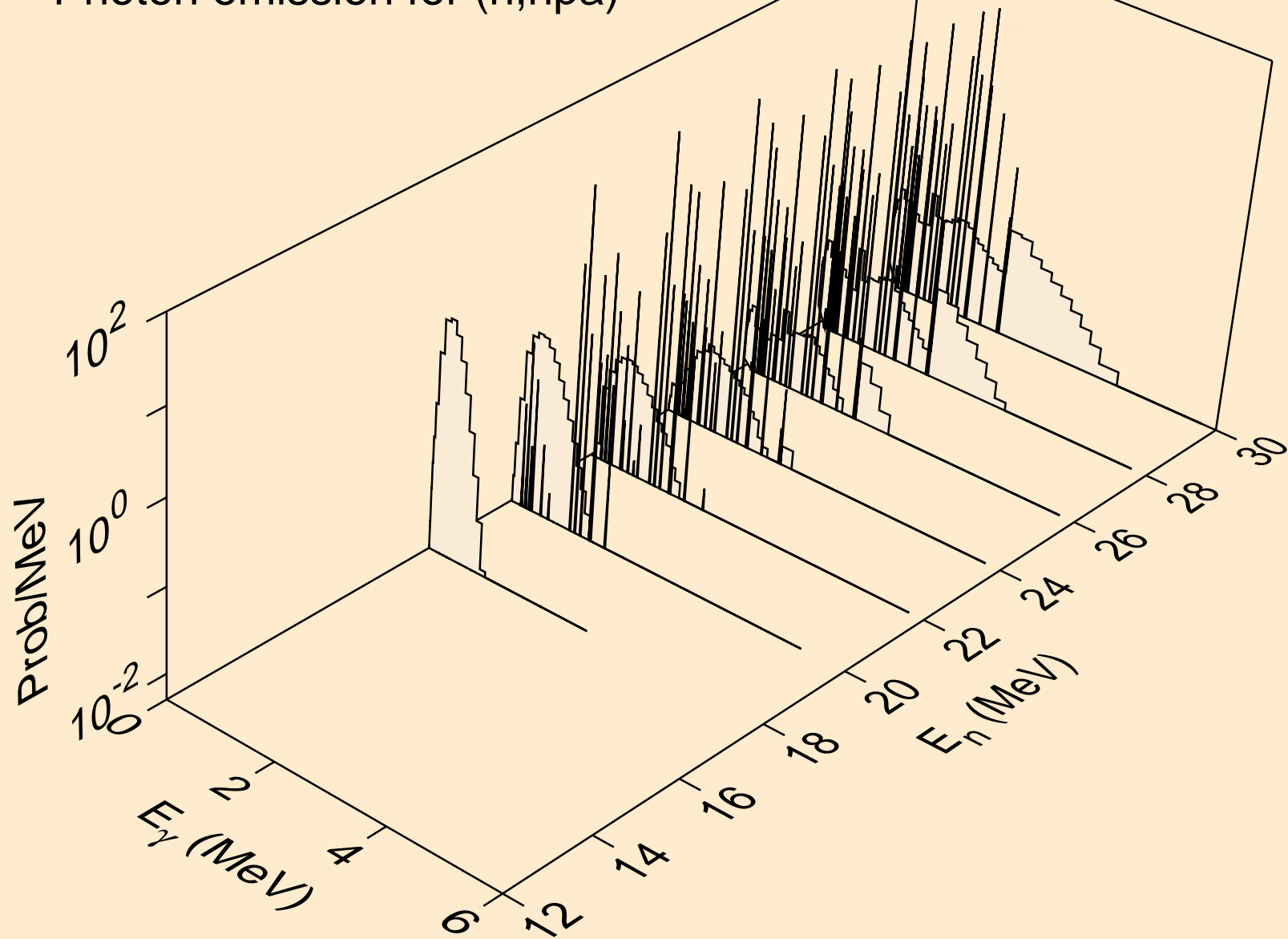
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Photon emission for (n,3np)



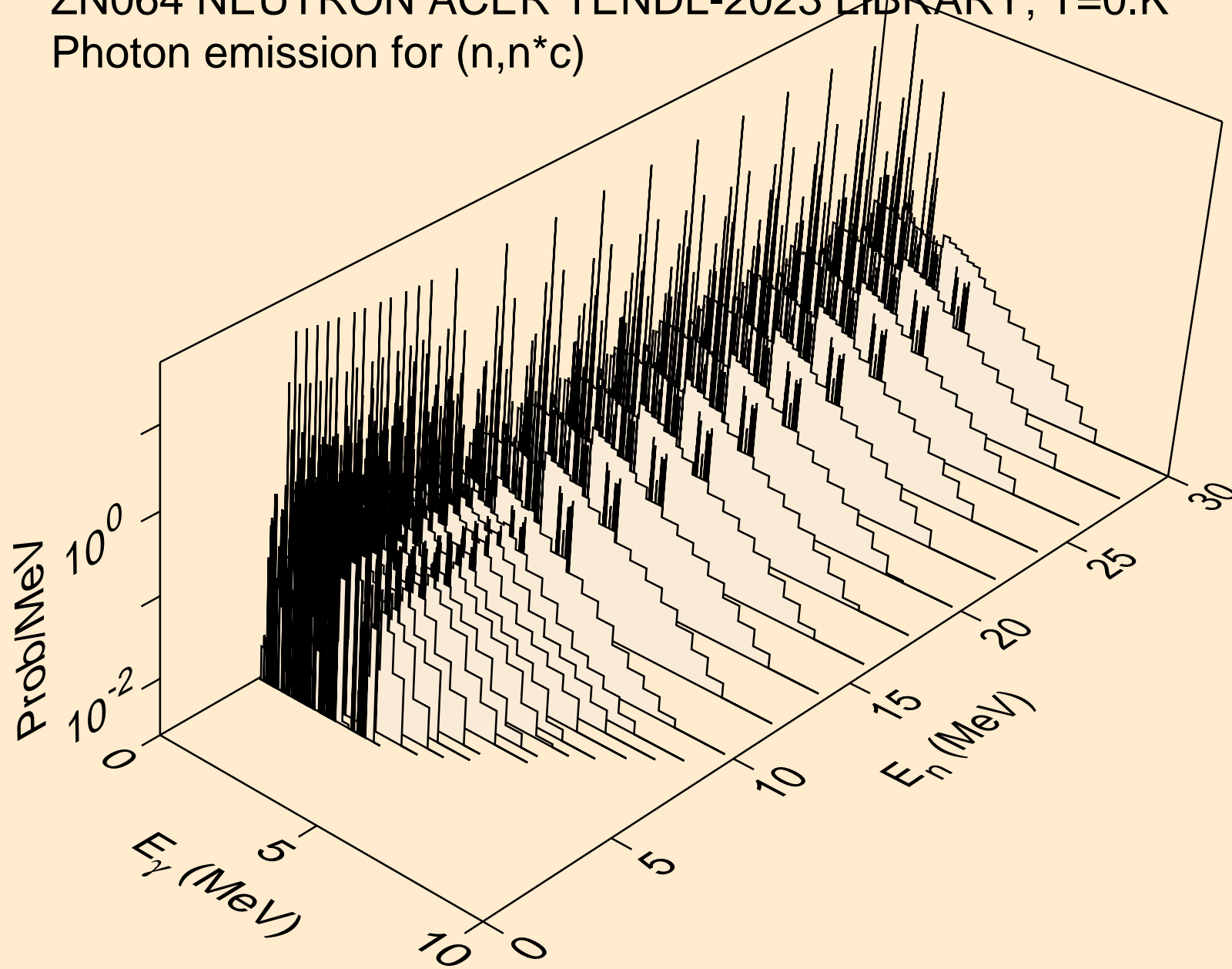
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Photon emission for (n,n2p)



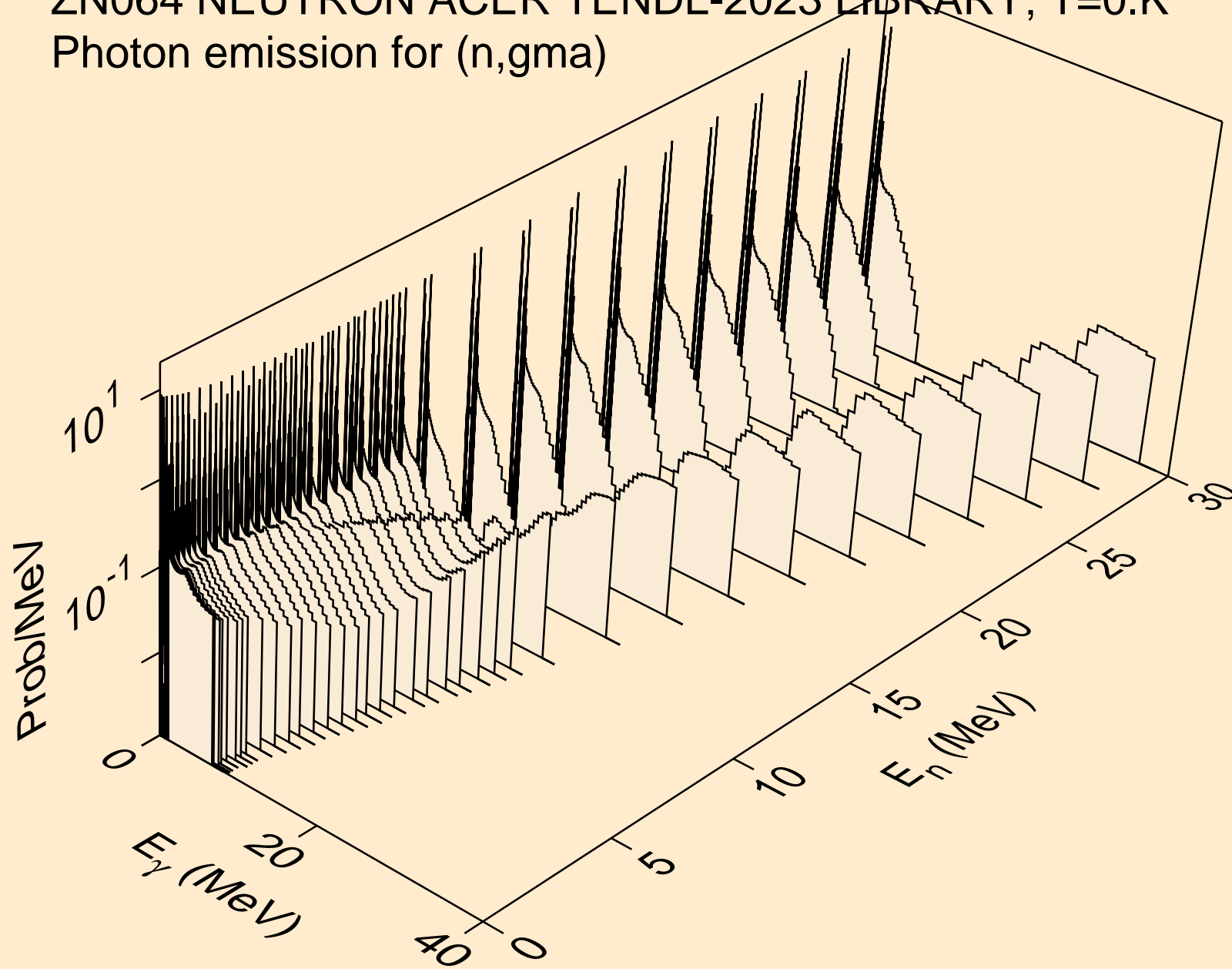
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Photon emission for (n,npa)



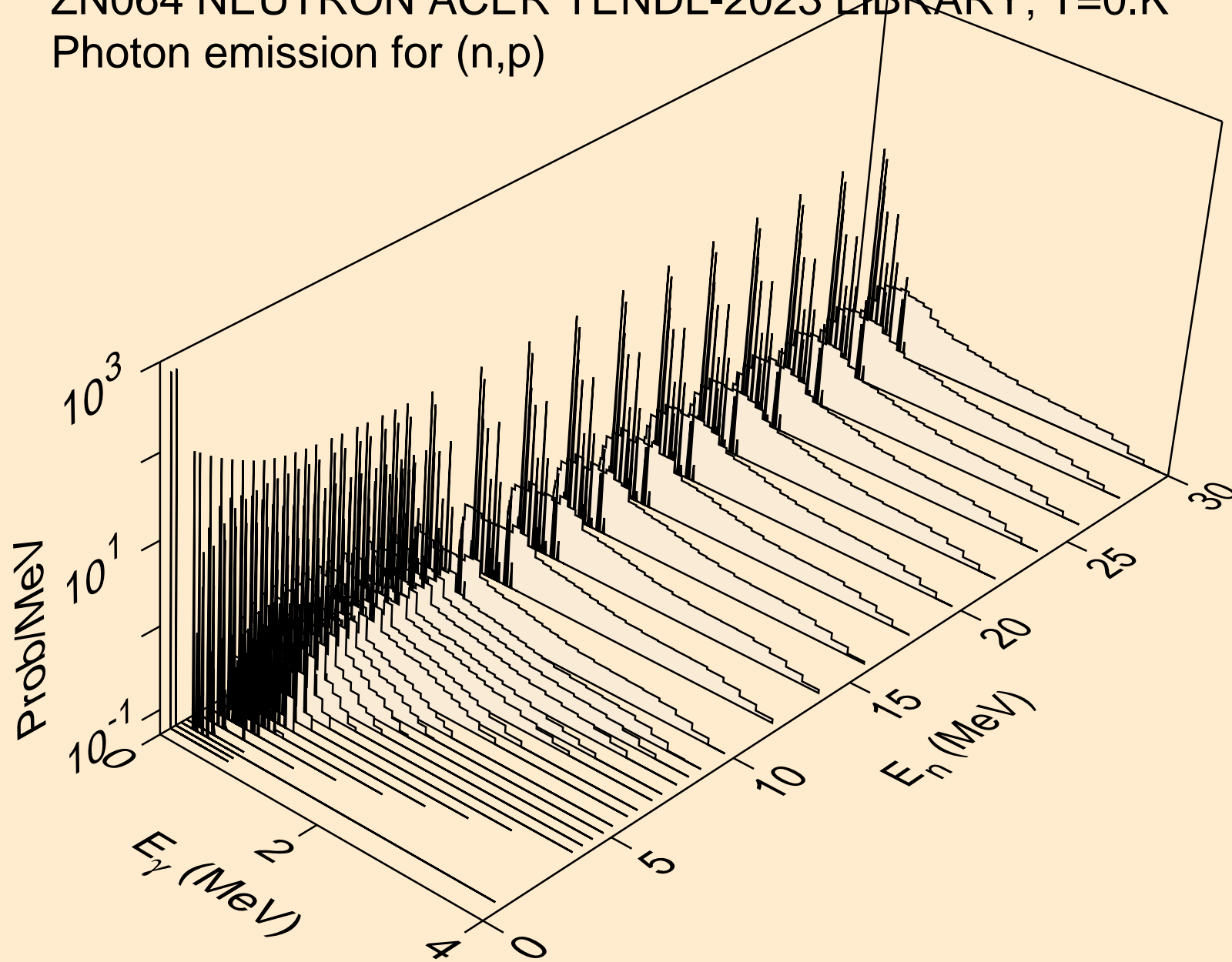
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)

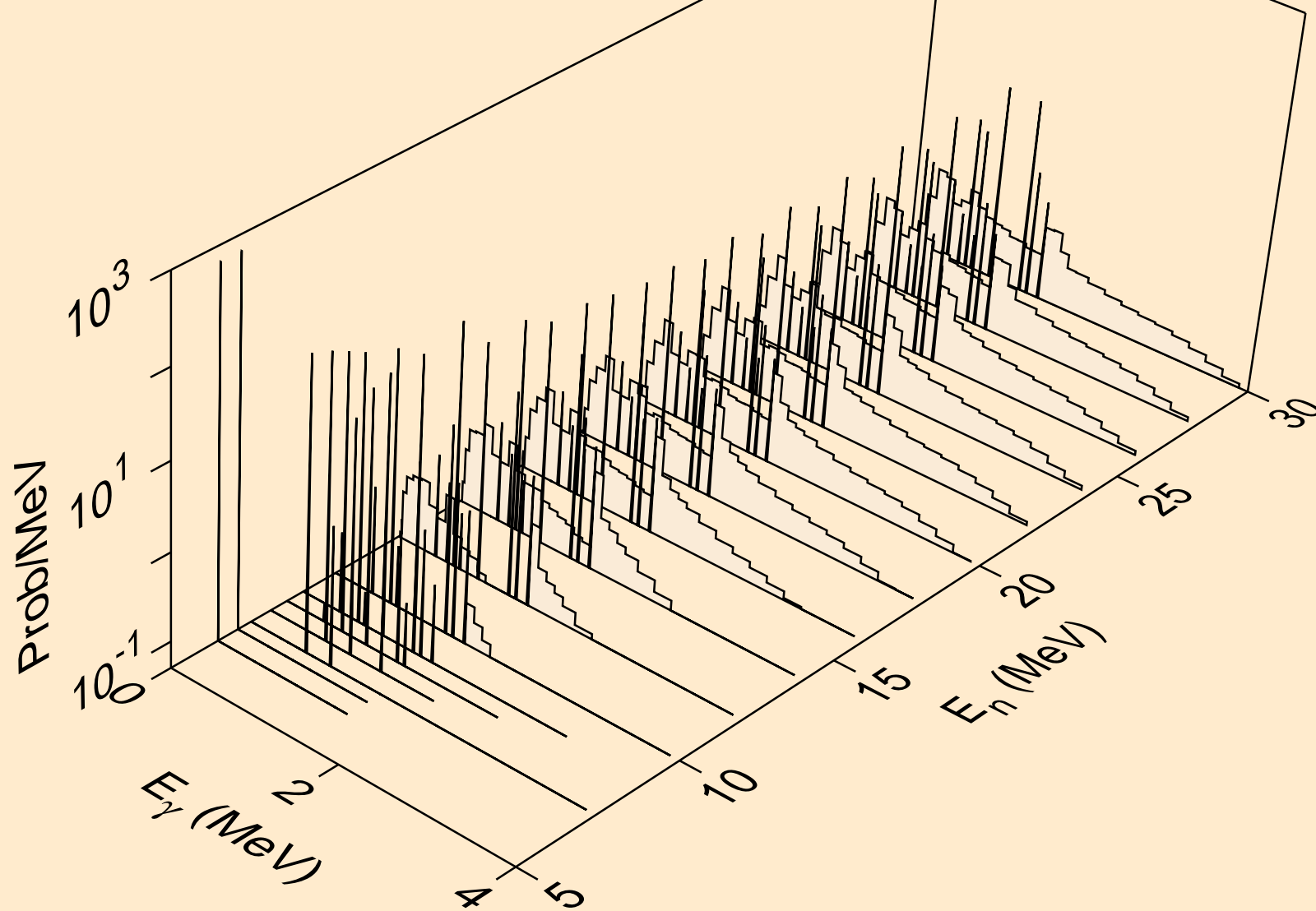


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Photon emission for (n,p)

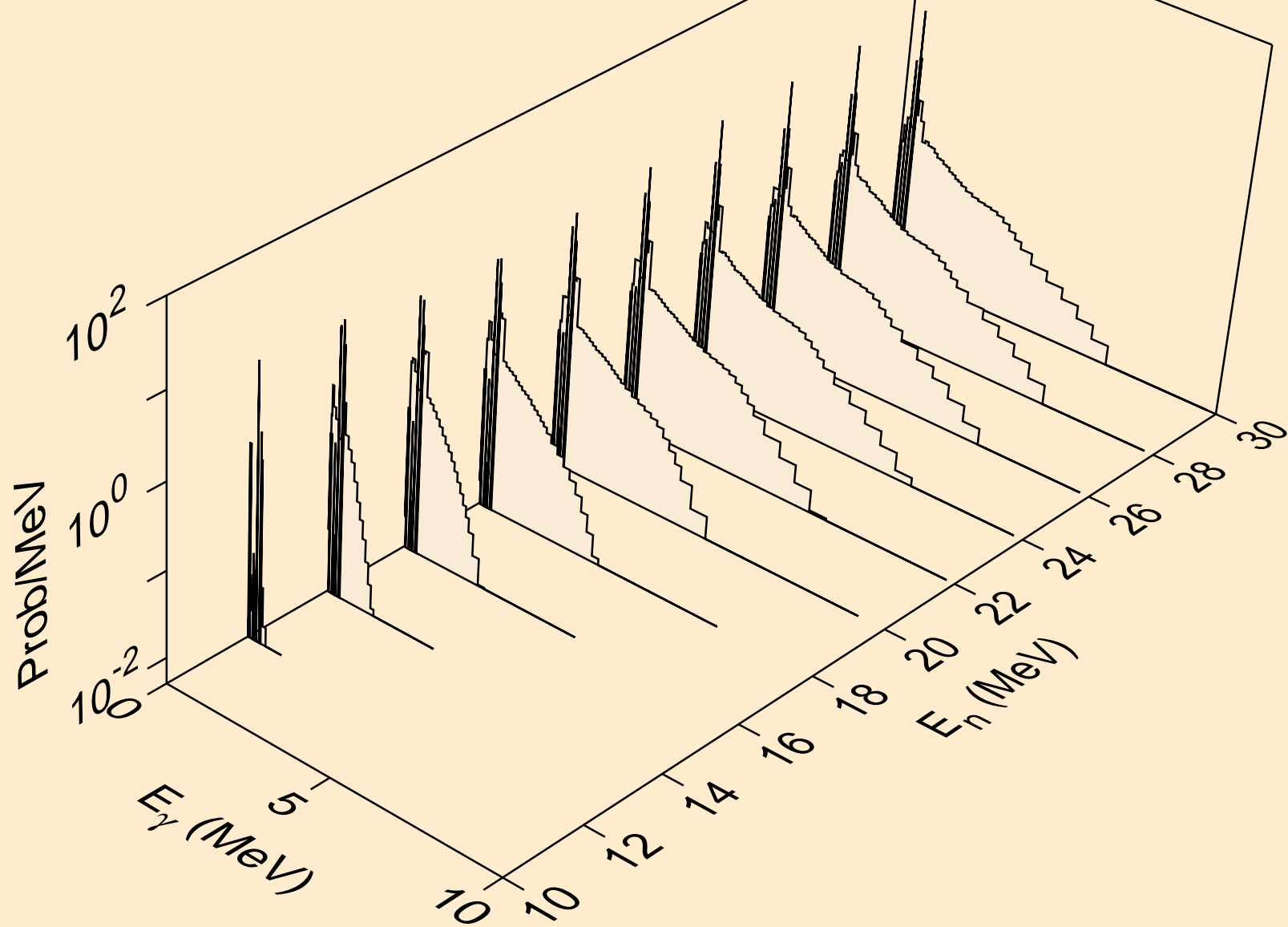




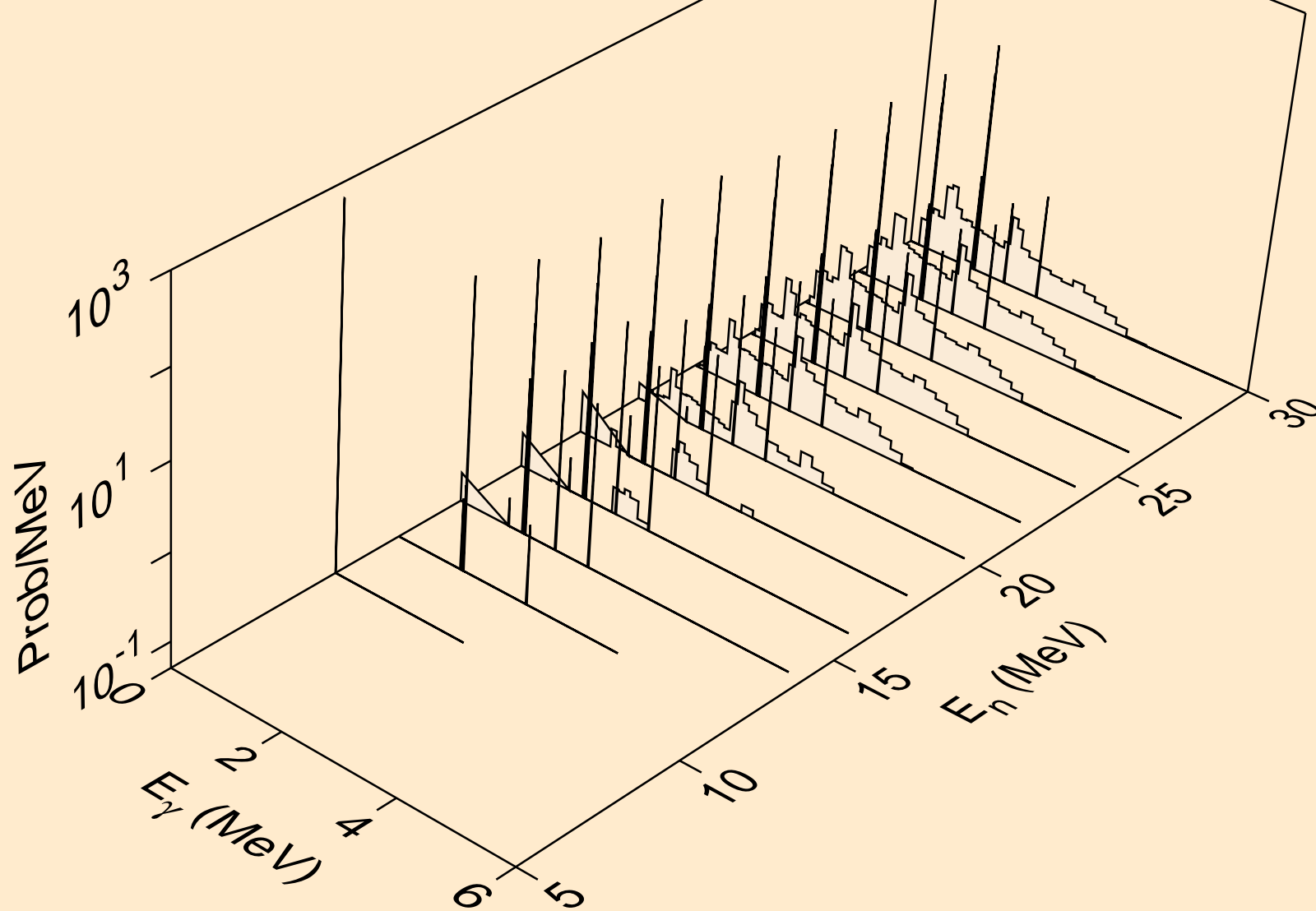
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Photon emission for (n,d)



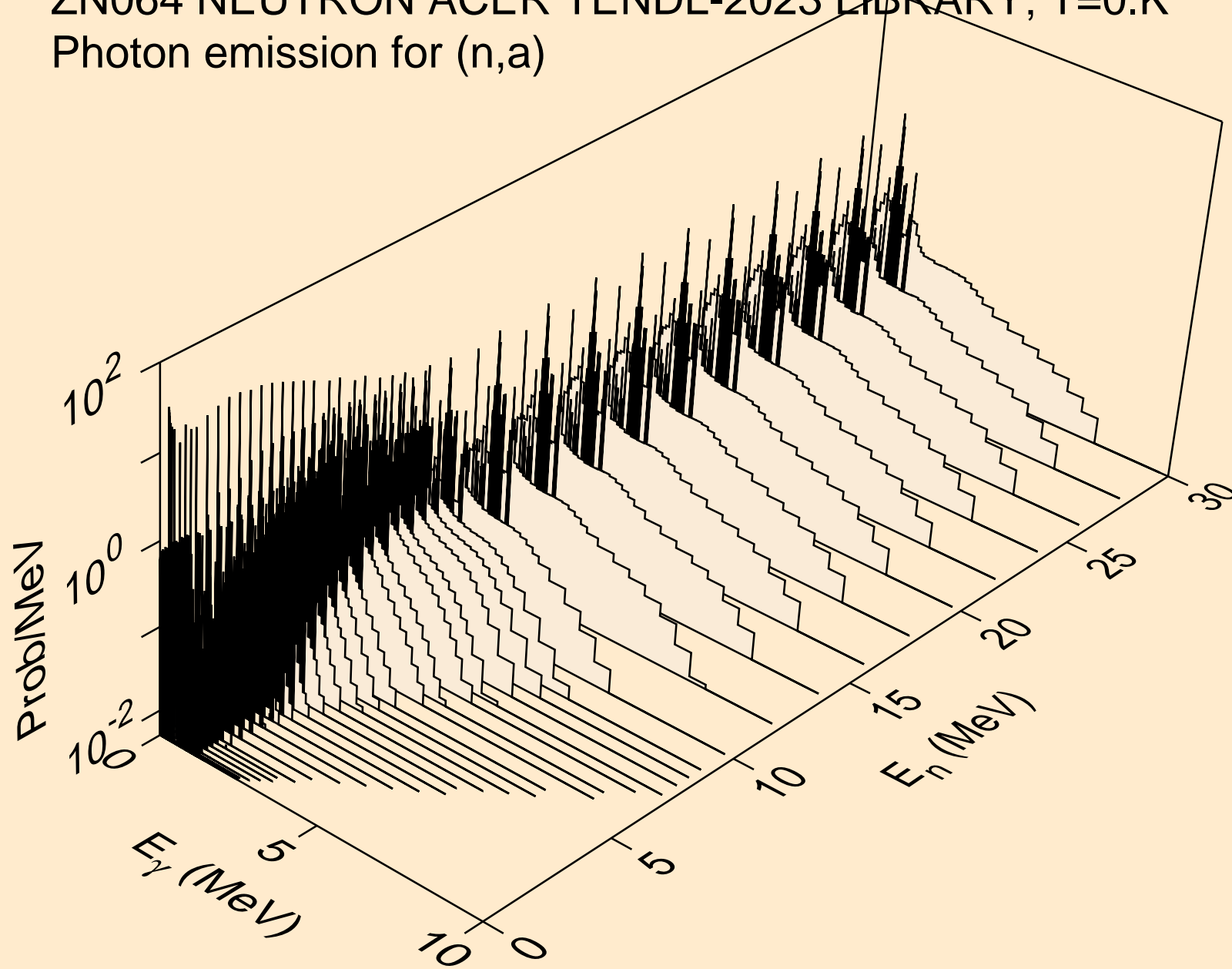
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Photon emission for (n,t)



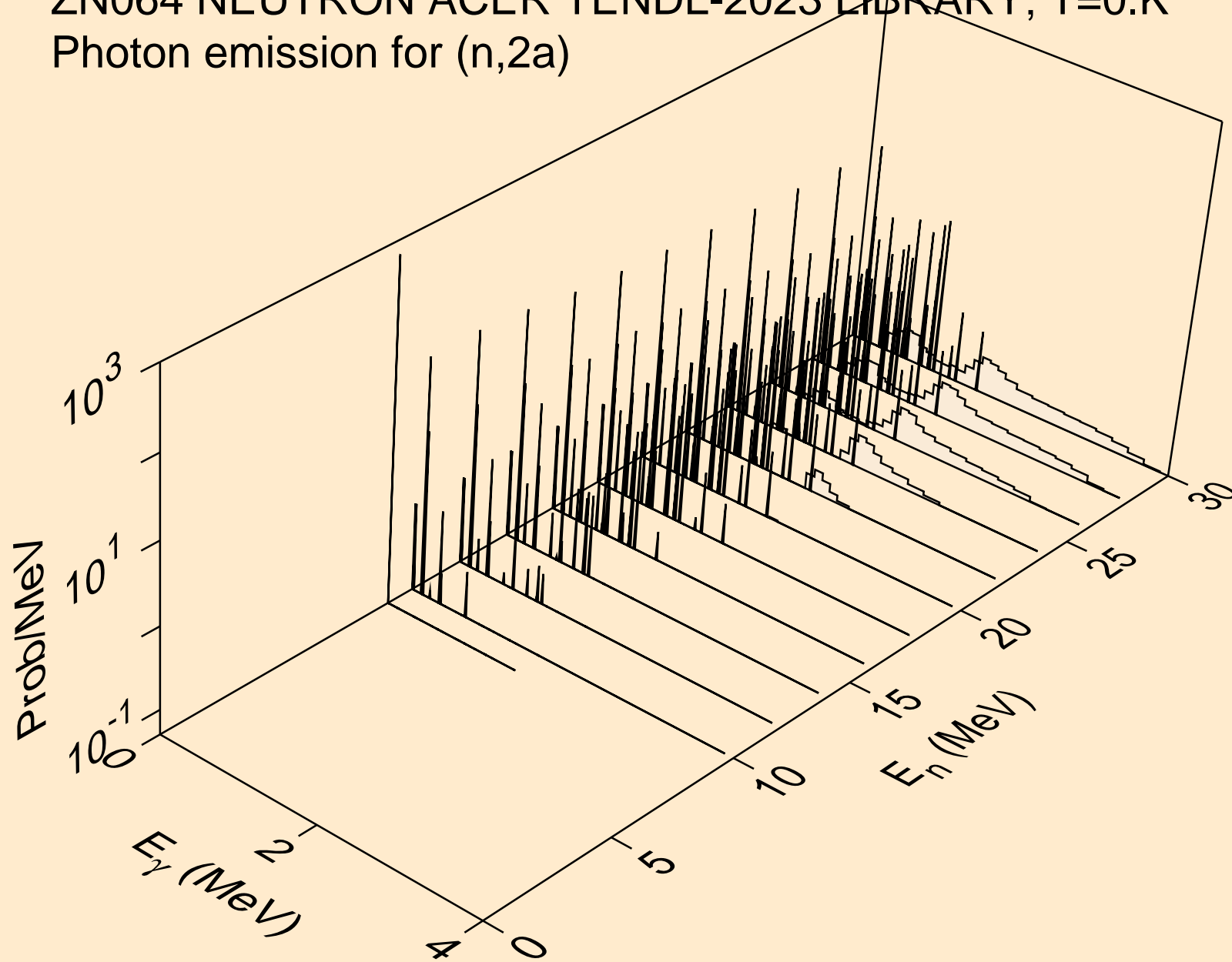
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Photon emission for (n,he3)



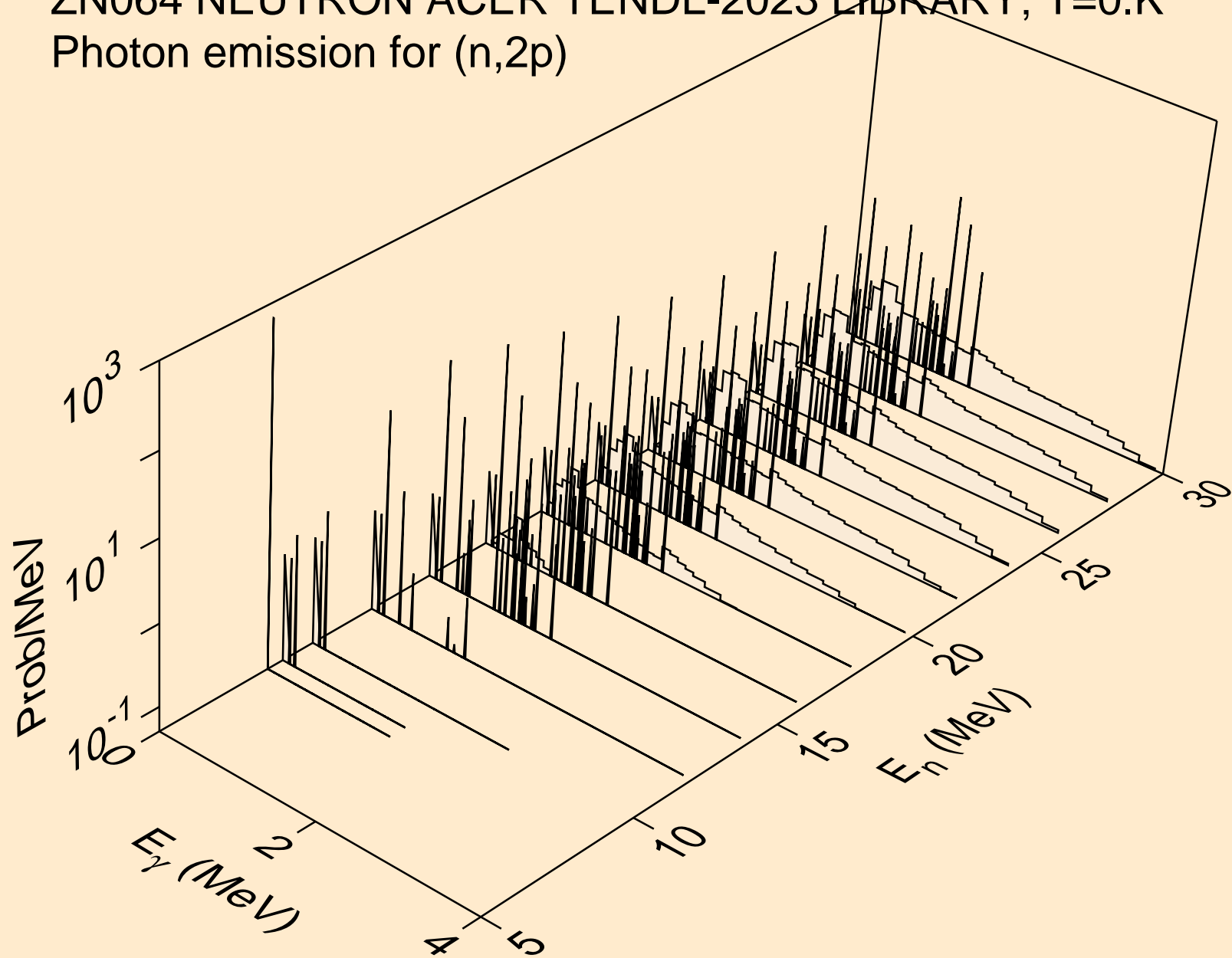
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Photon emission for (n,a)



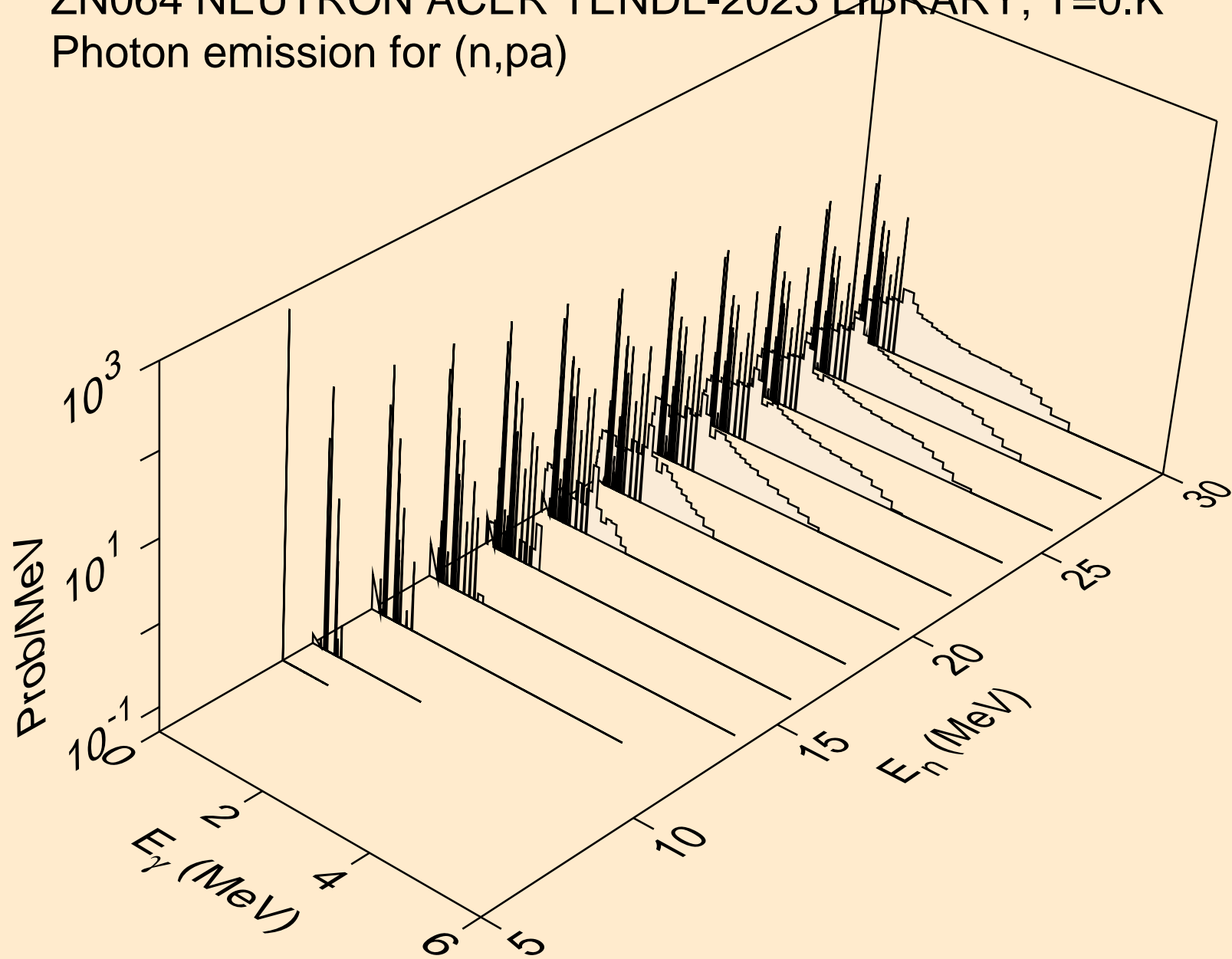
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Photon emission for (n,2a)



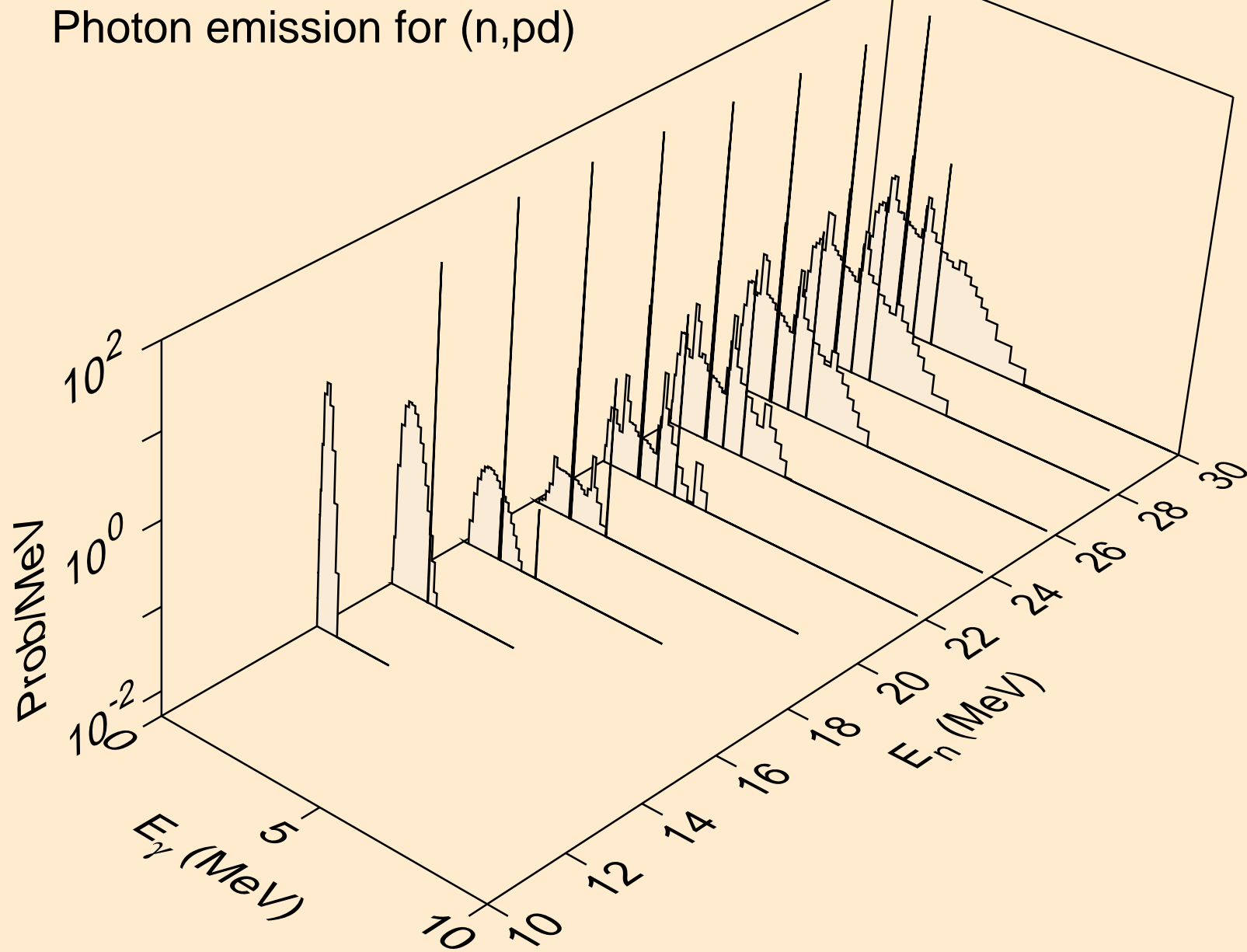
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )

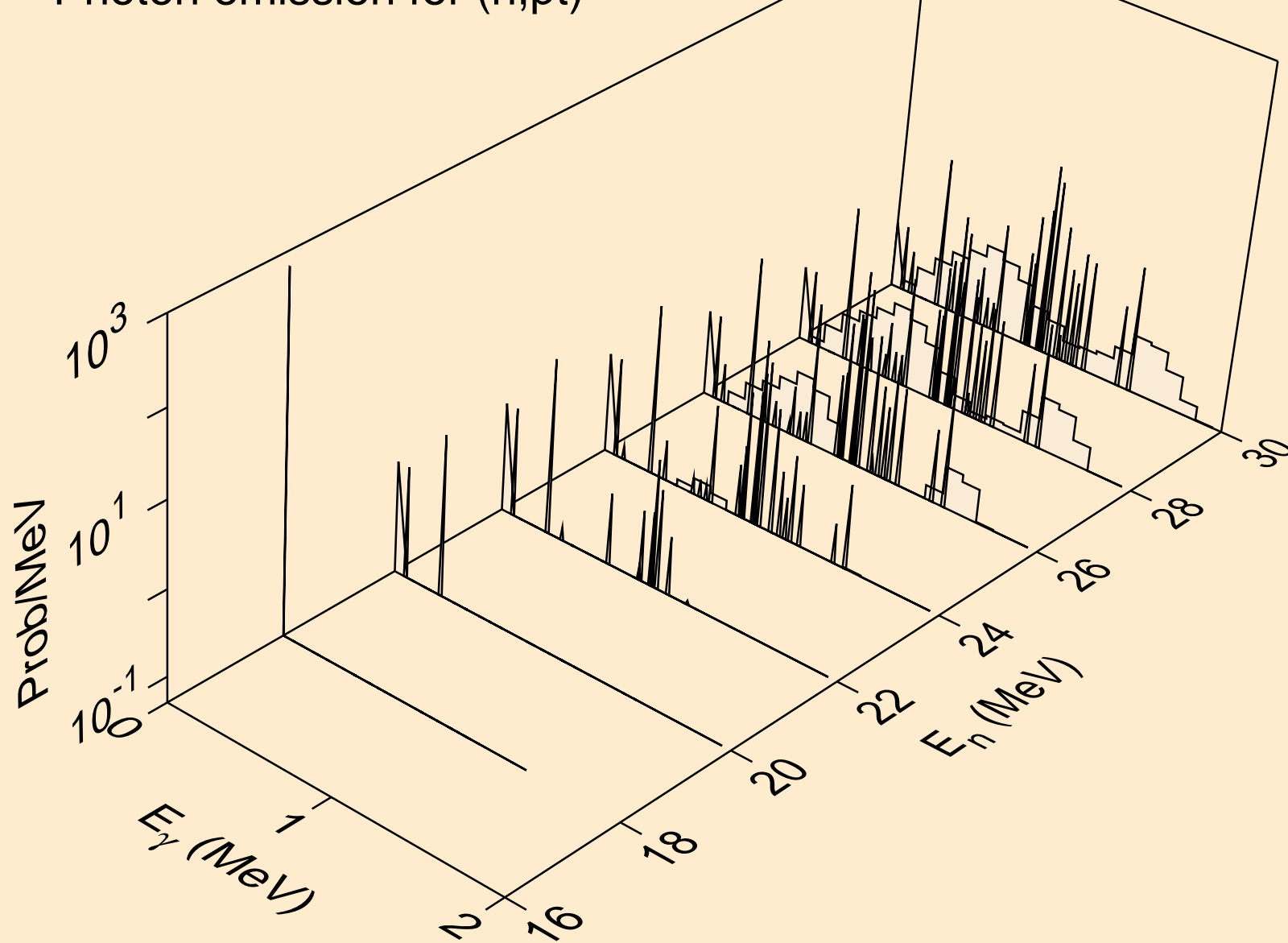


ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)

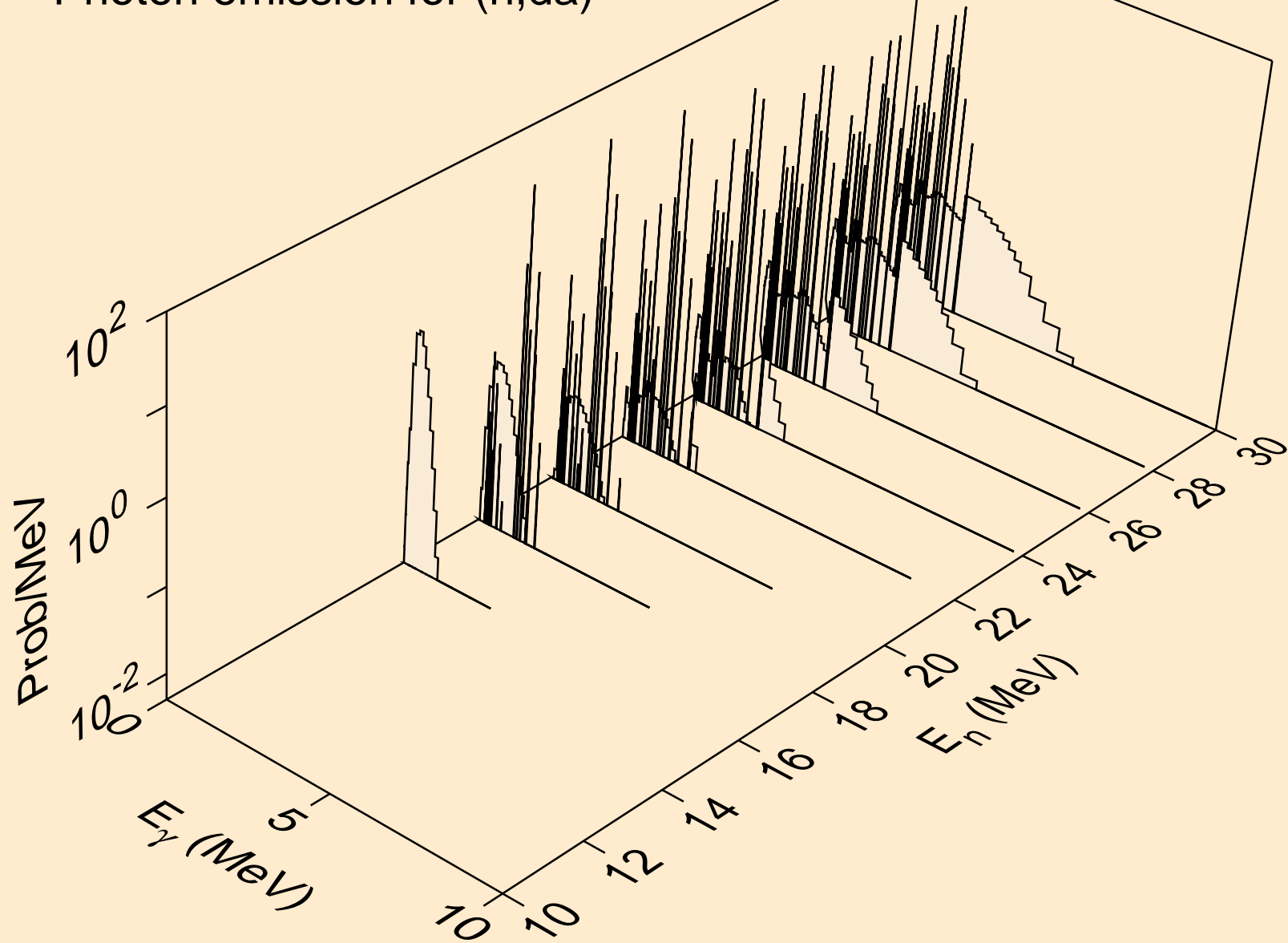




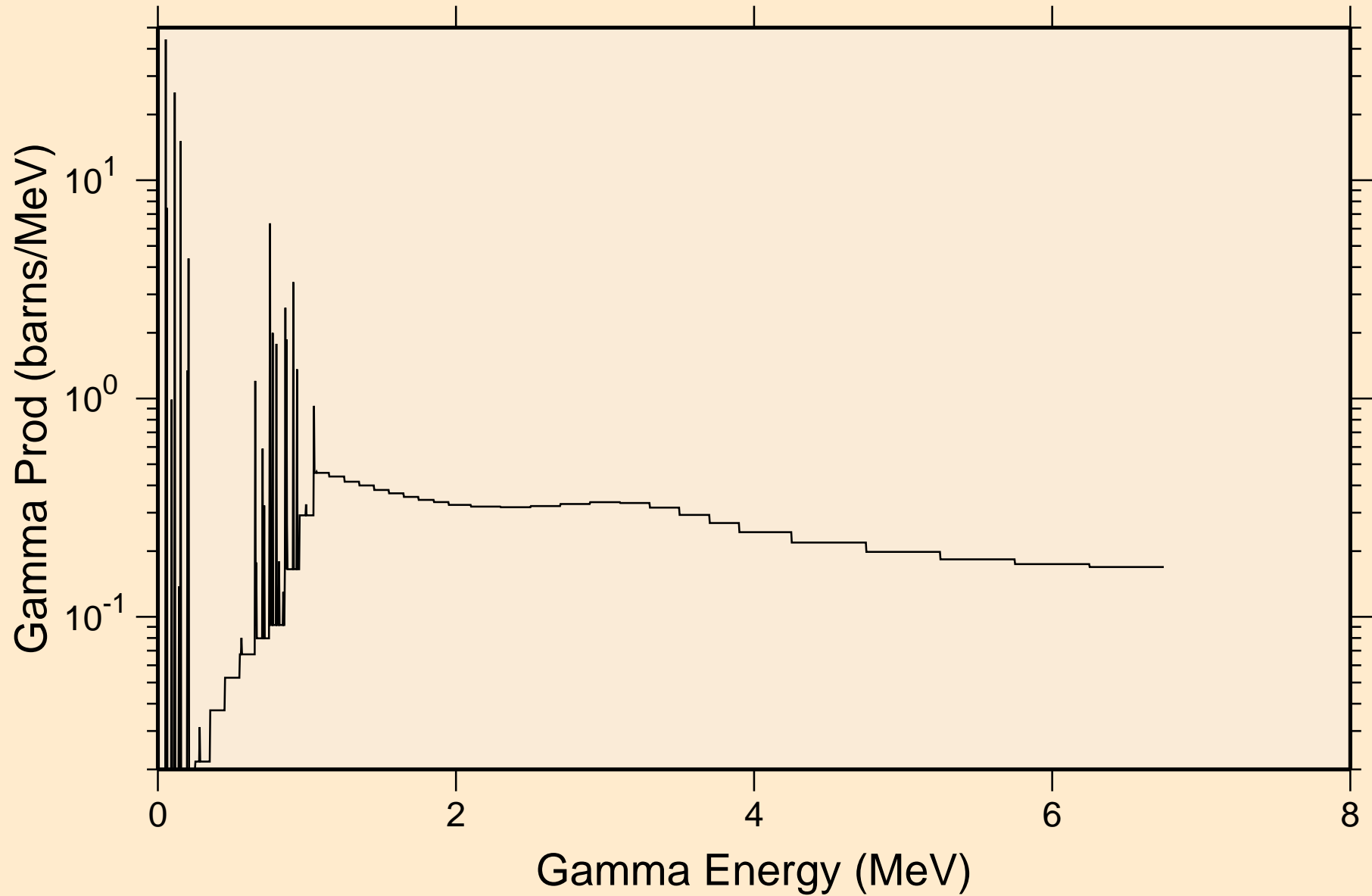
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



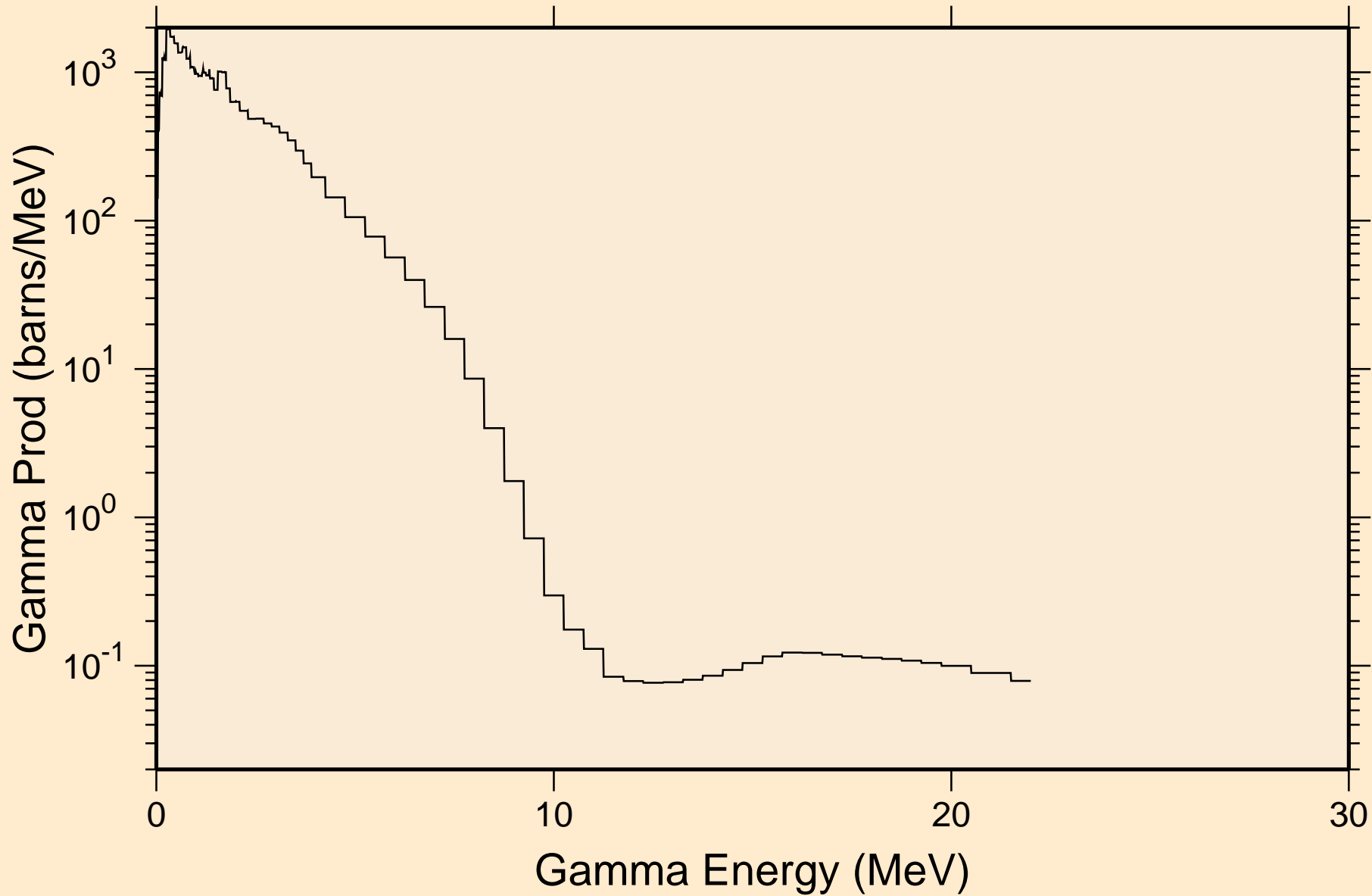
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

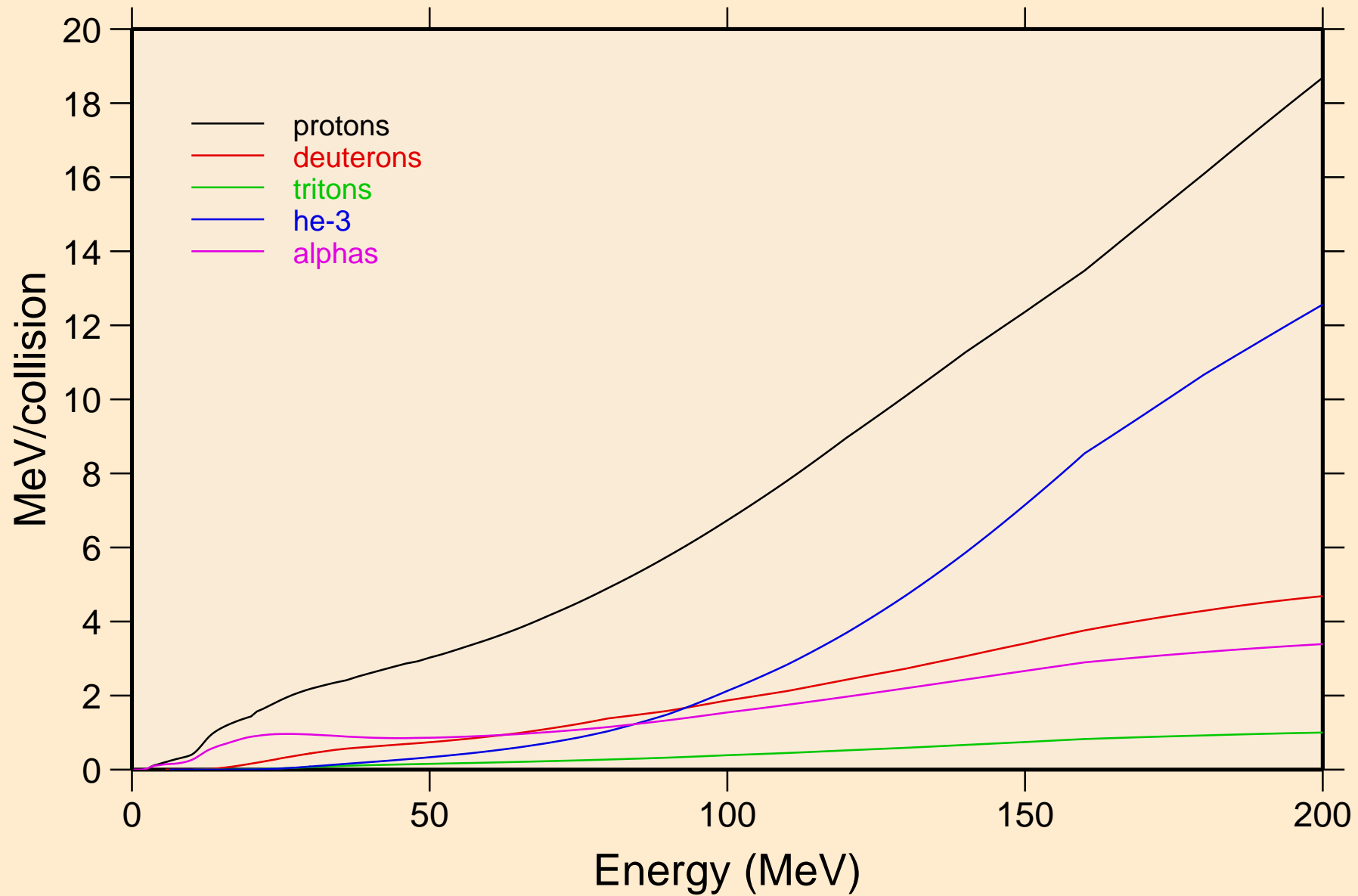


ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum



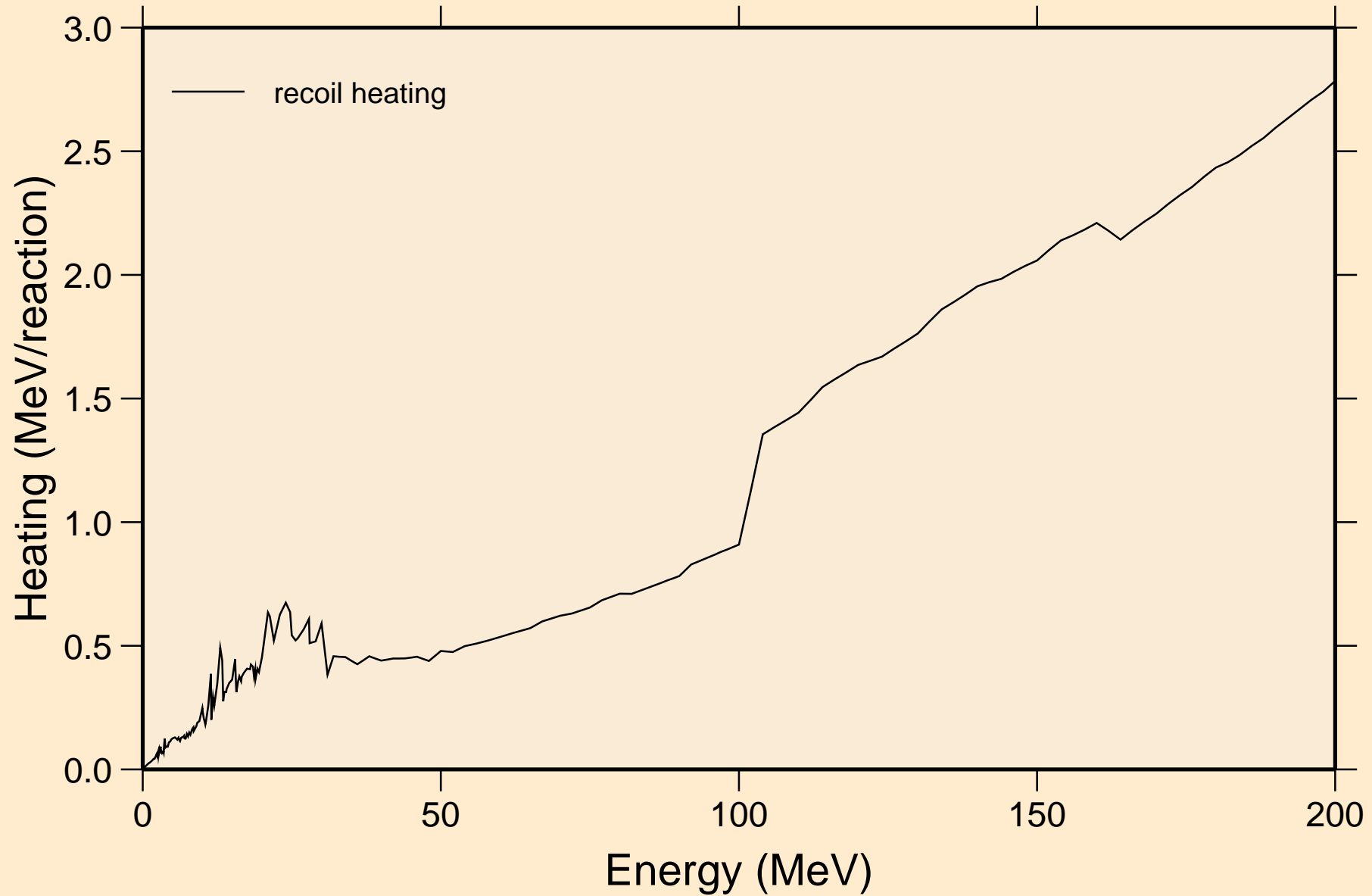
# ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions



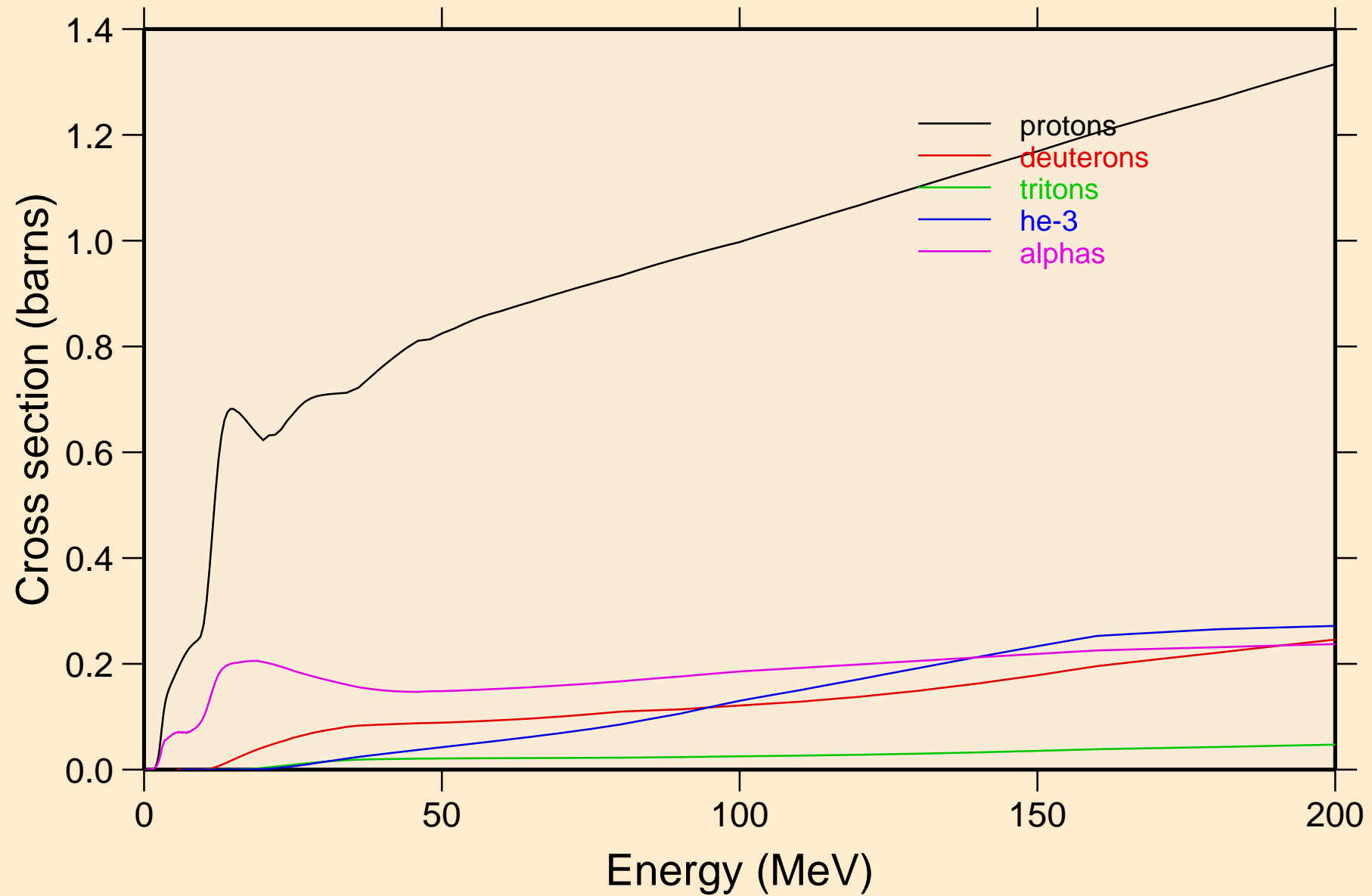
# ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Recoil Heating

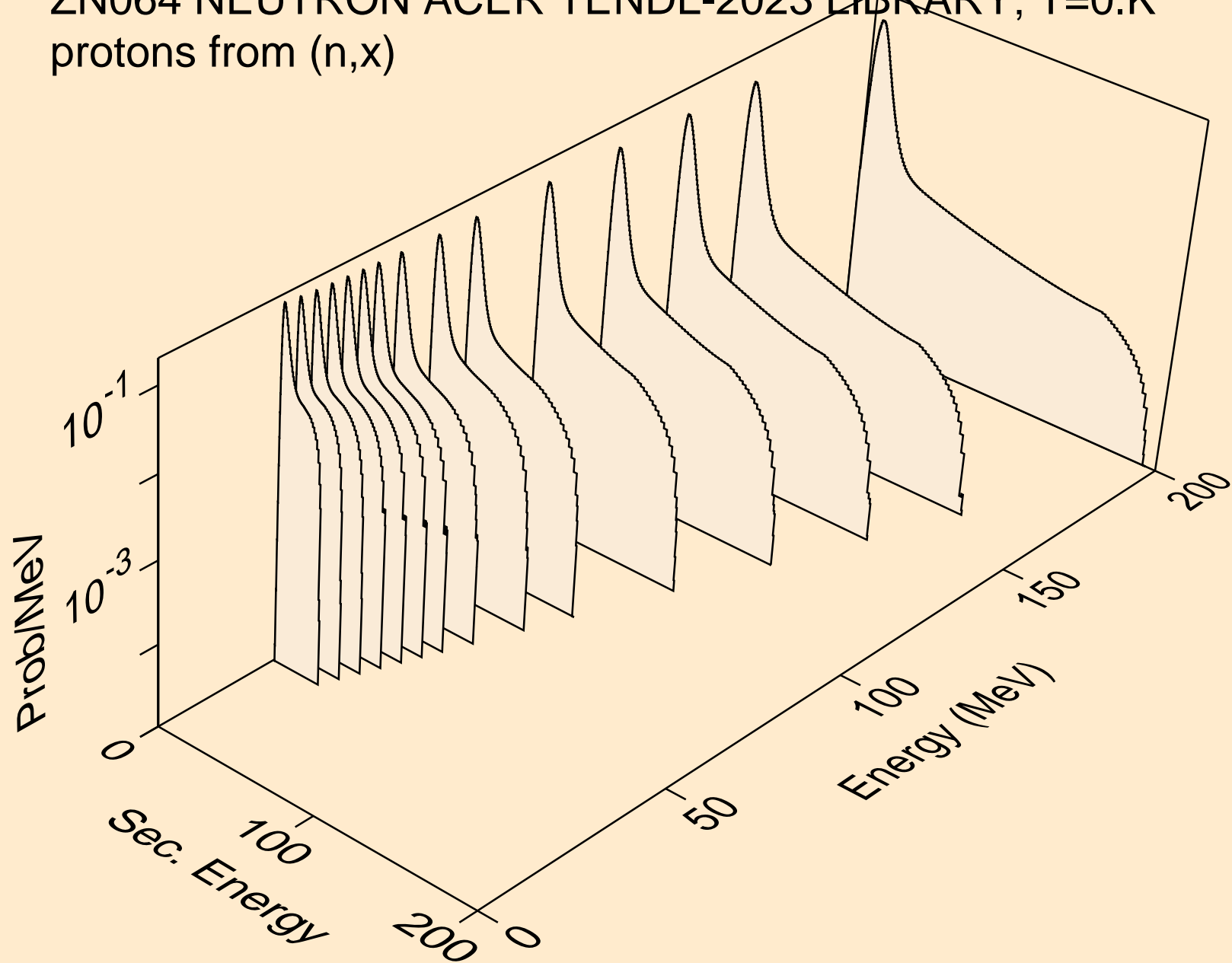


# ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle production cross sections

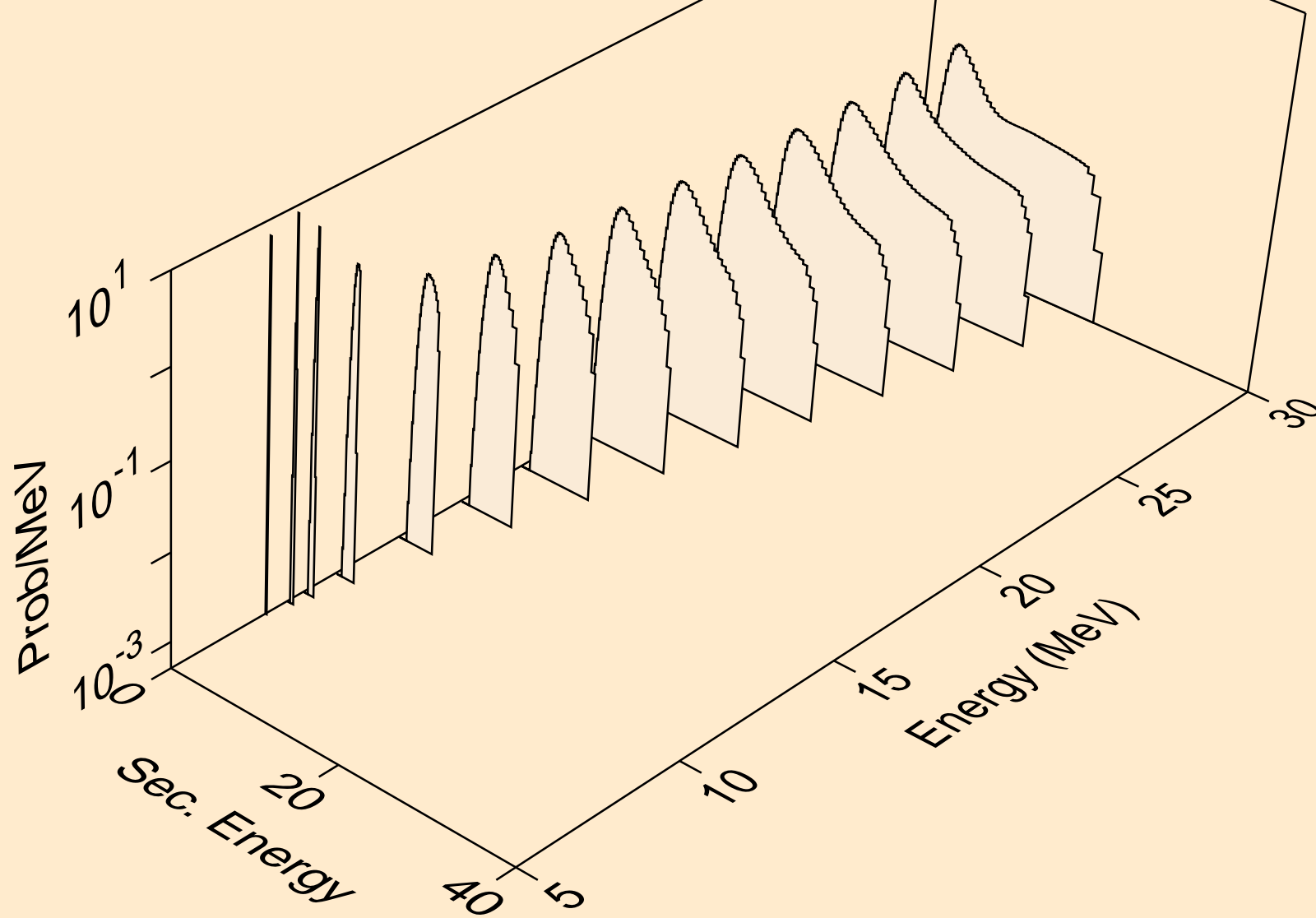


ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)

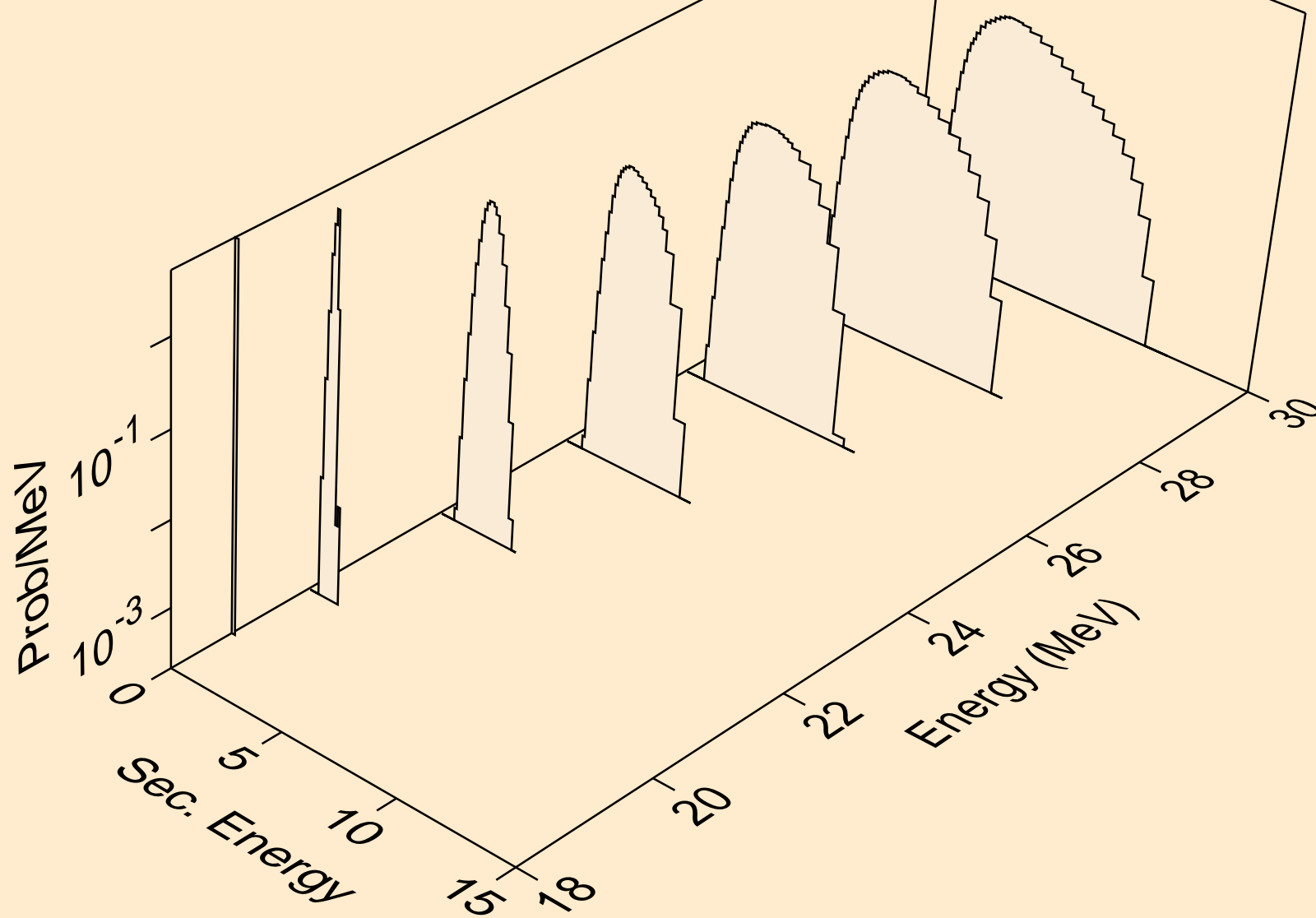




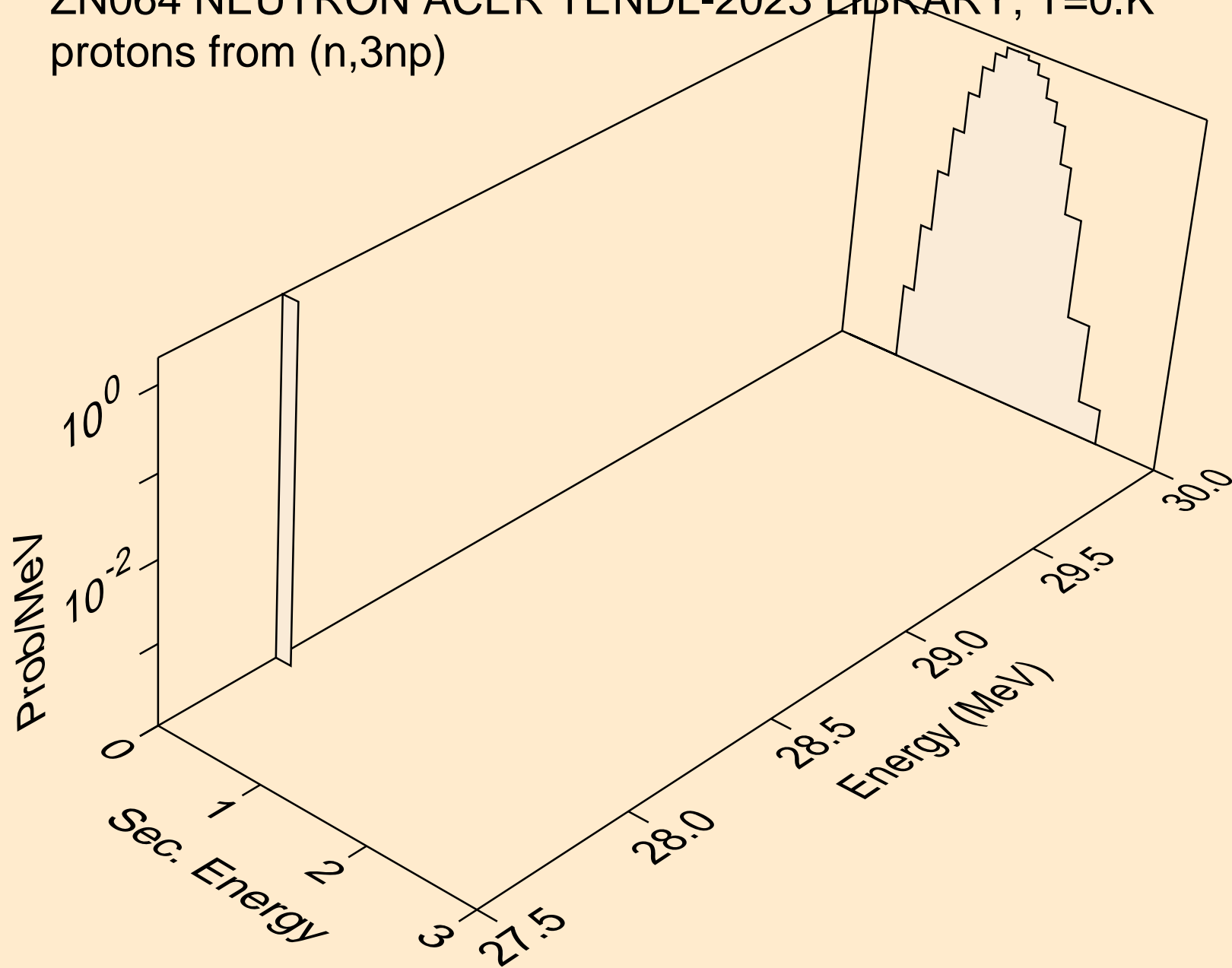
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



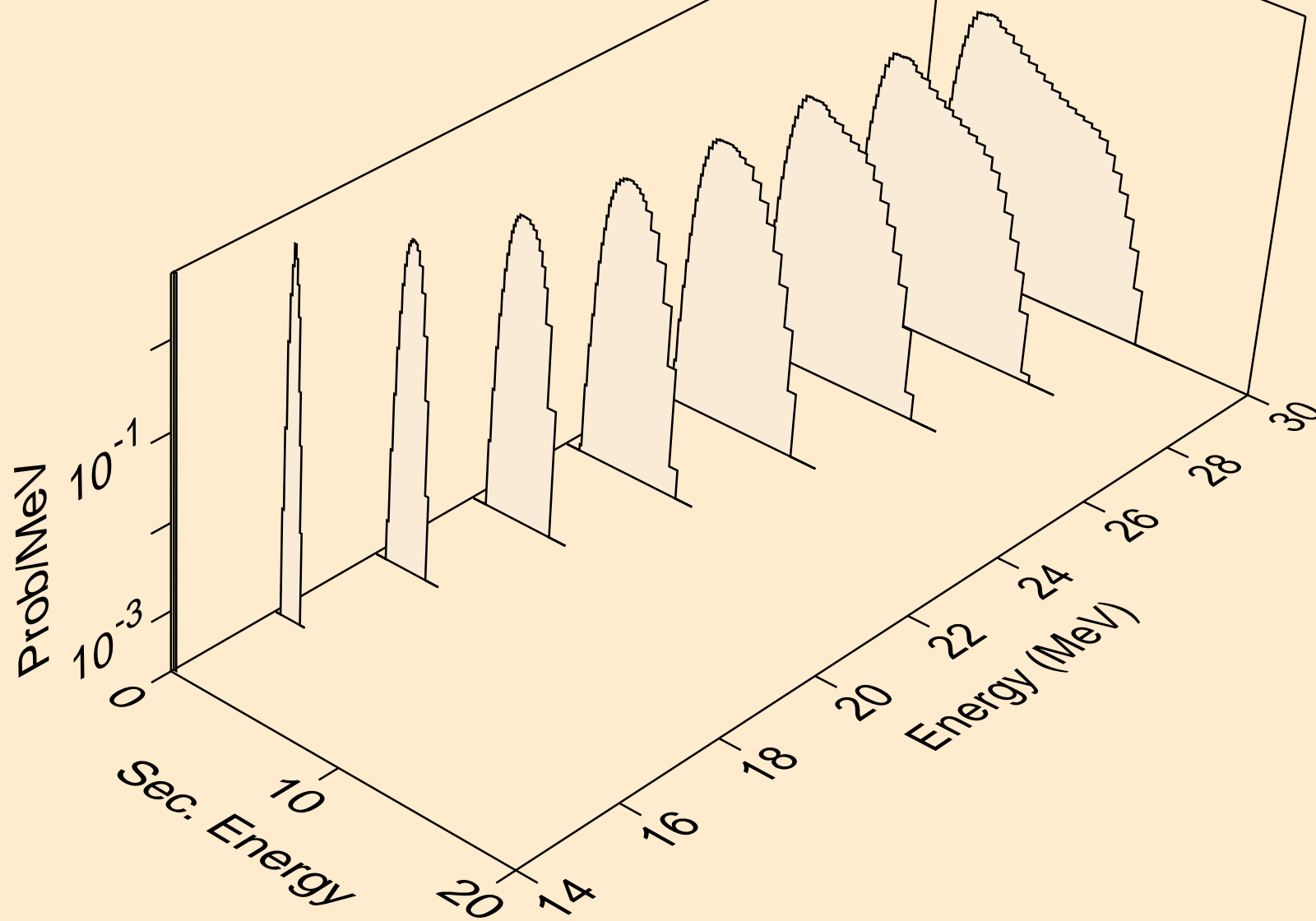
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protons from (n,2np)



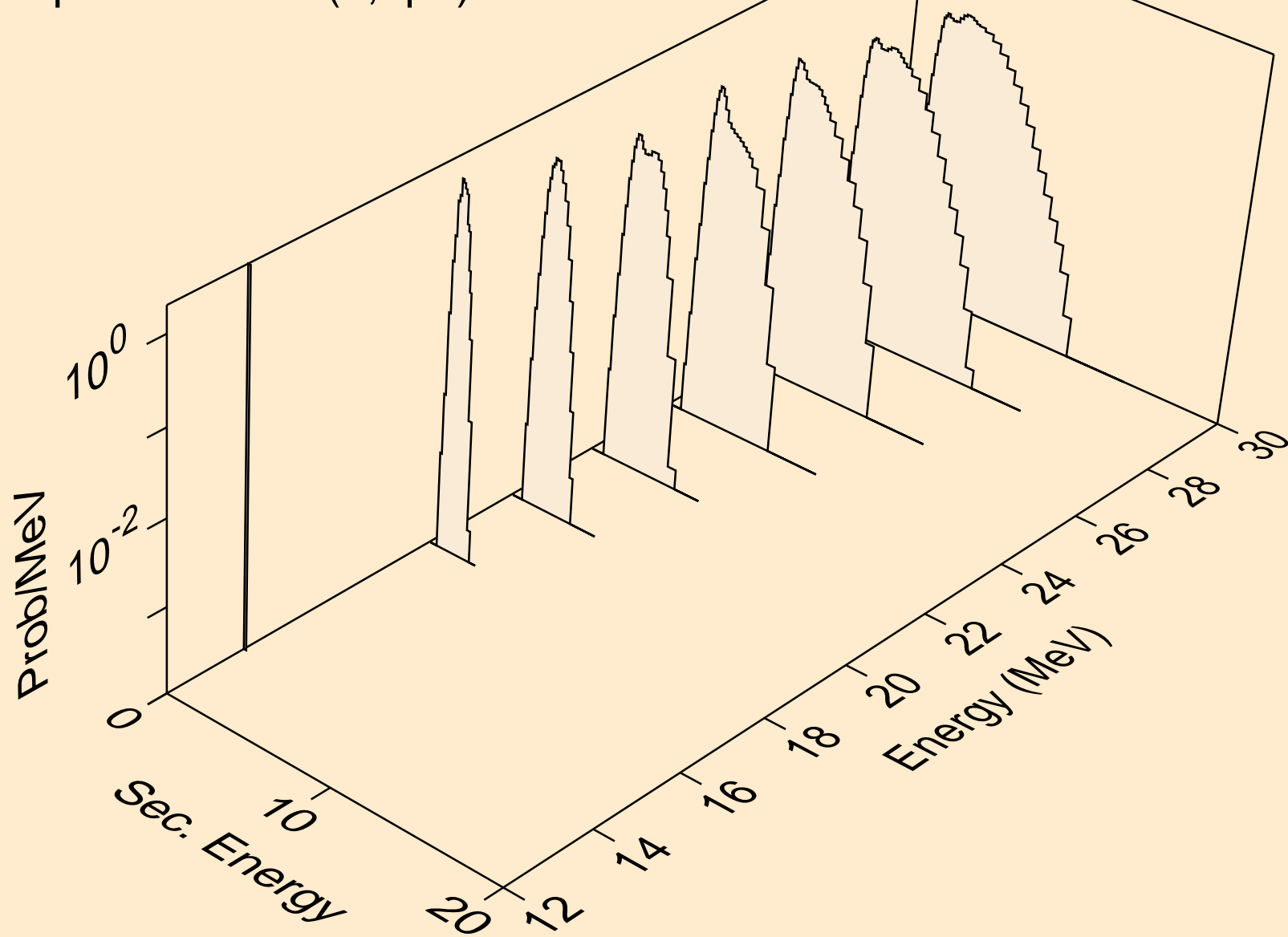
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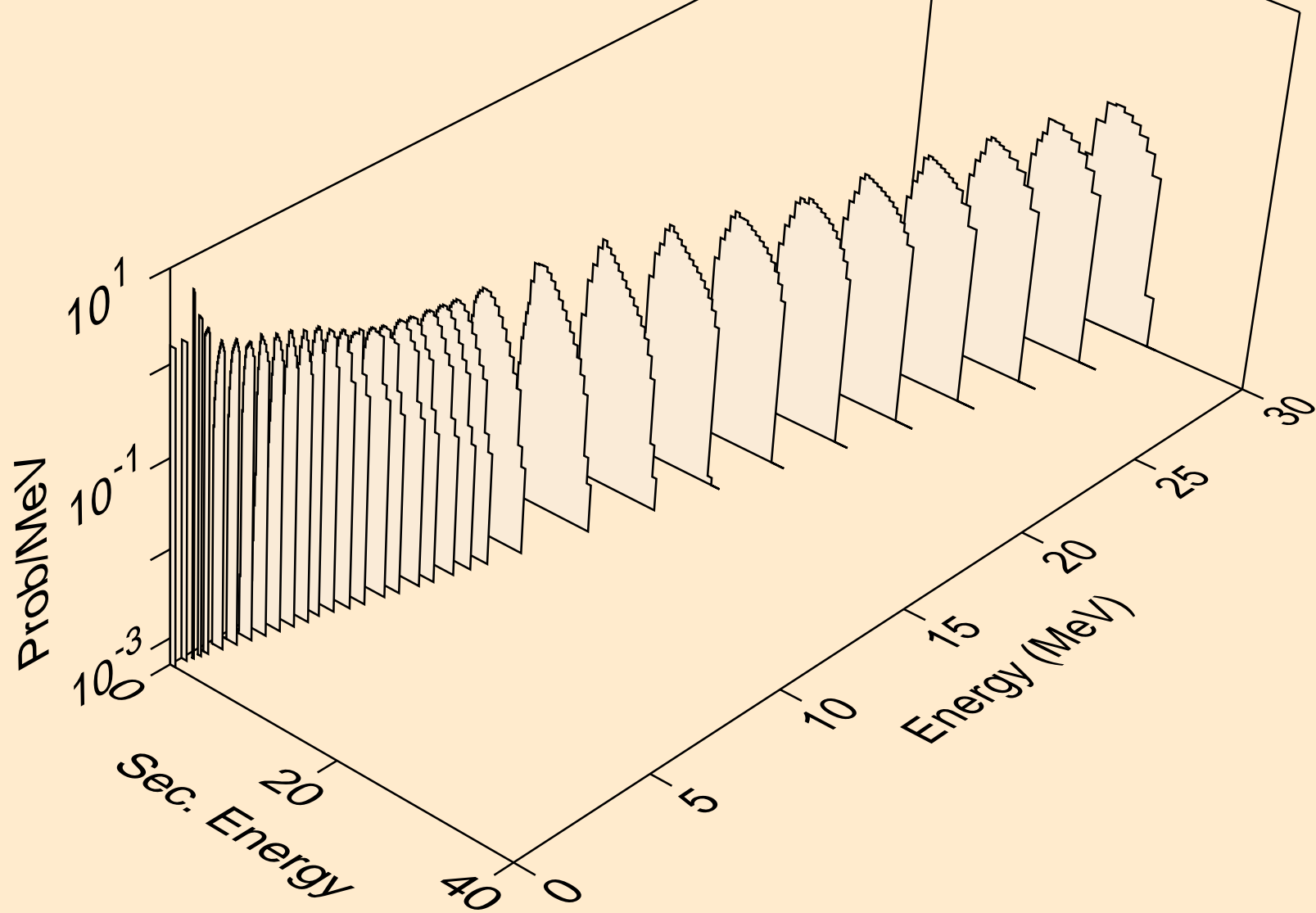
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protons from (n,n2p)



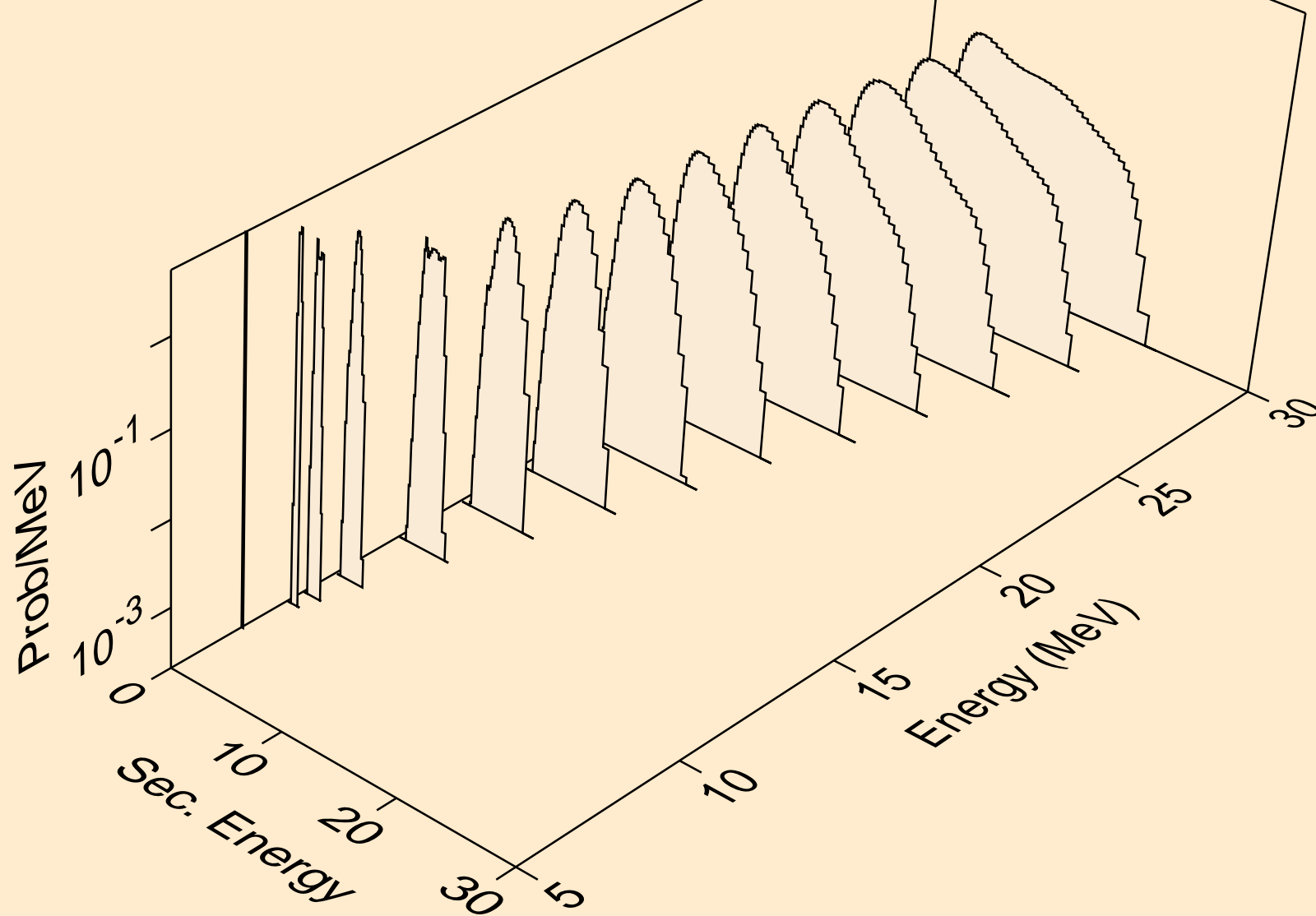
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protons from (n,npa)



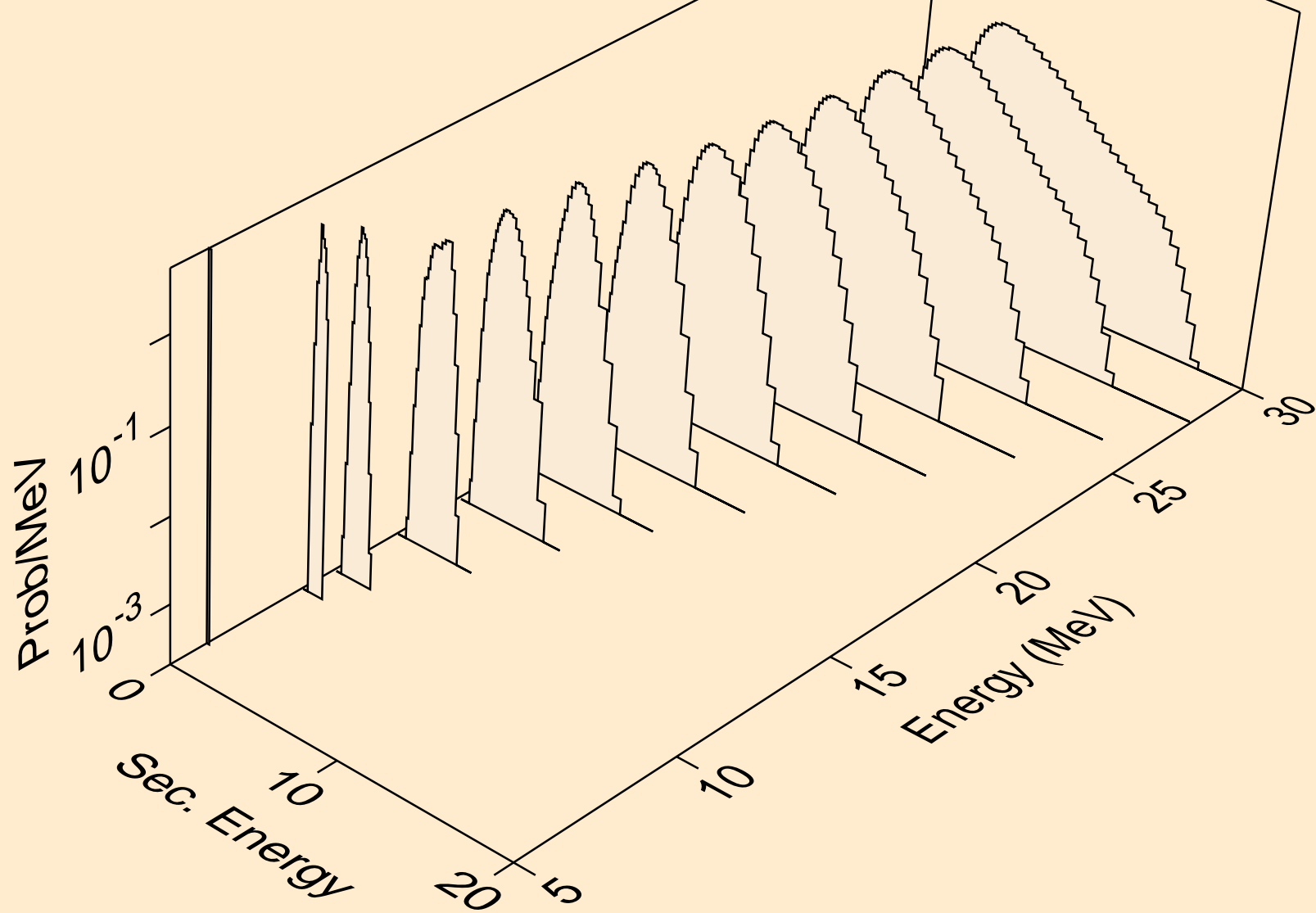
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protons from (n,p)



ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2p)

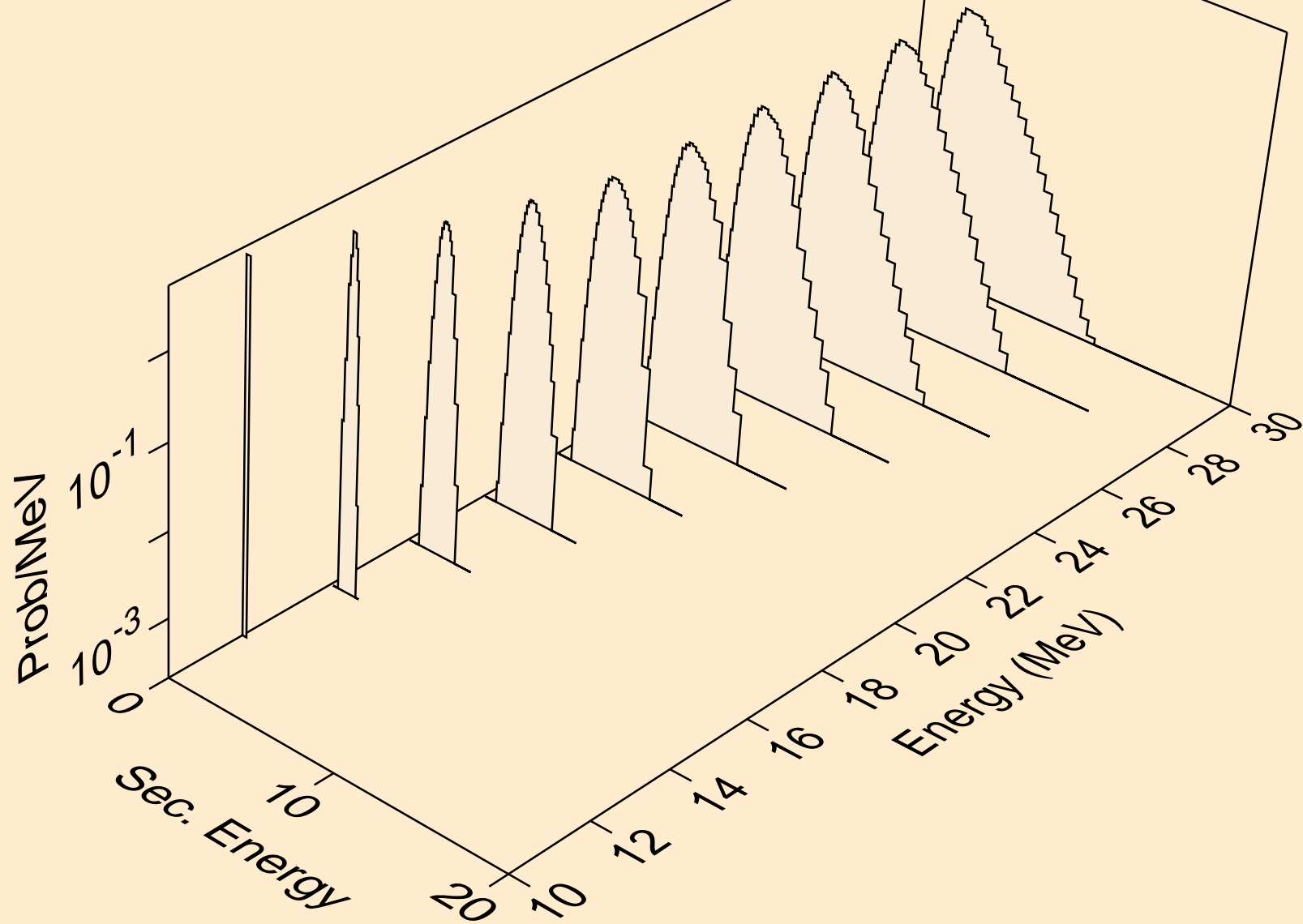


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protons from (n,p)

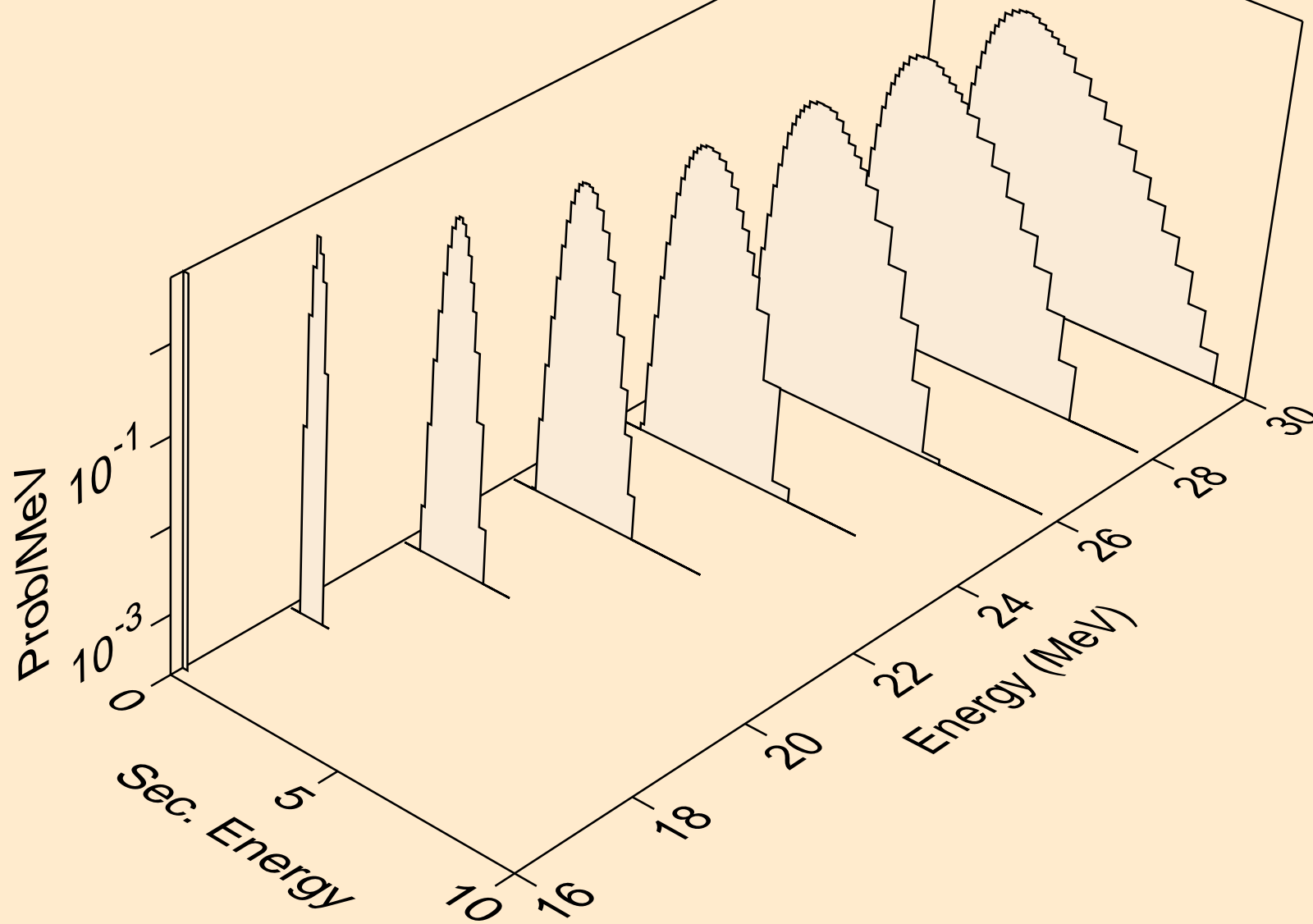




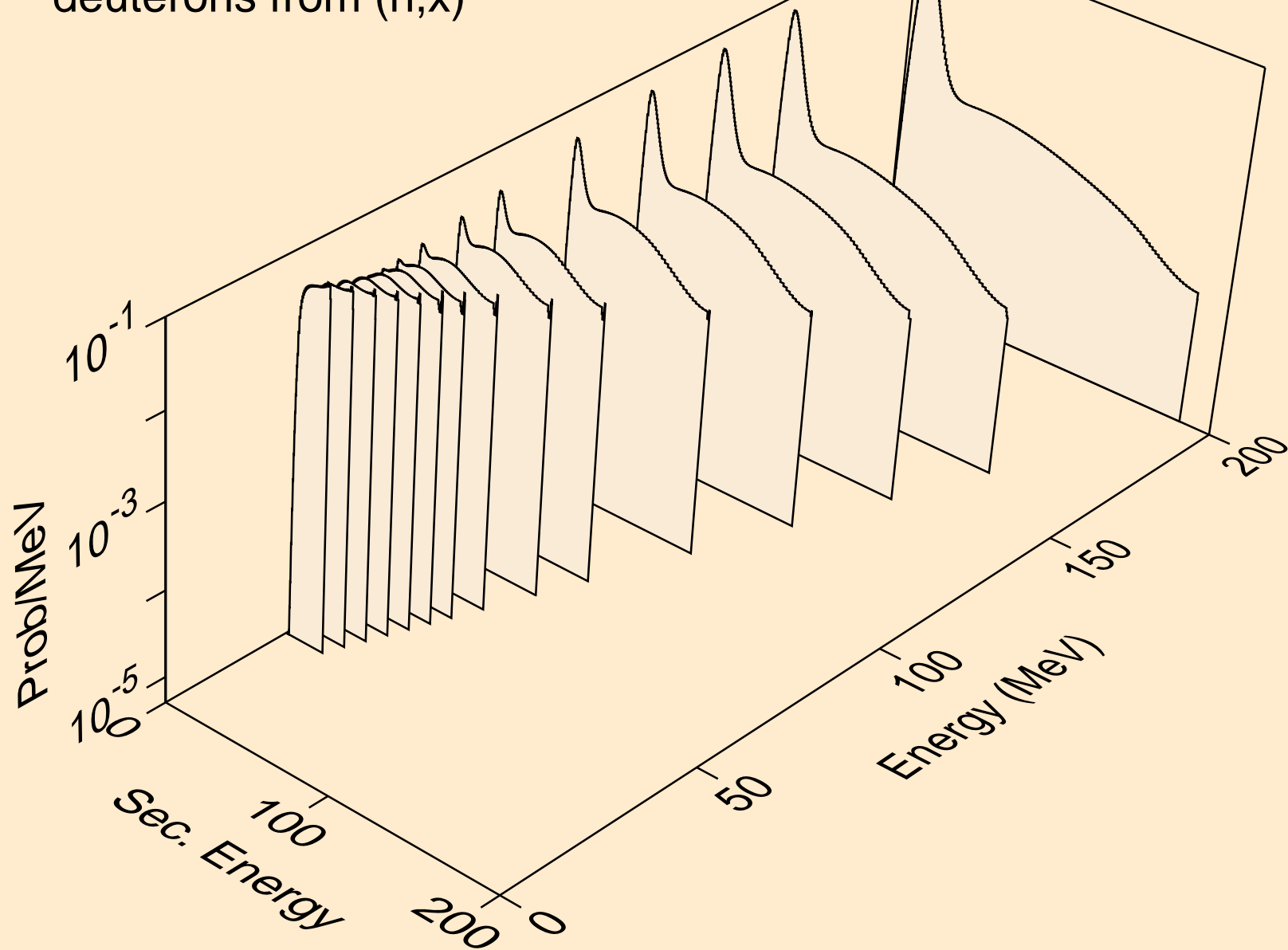
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protons from (n,pd)



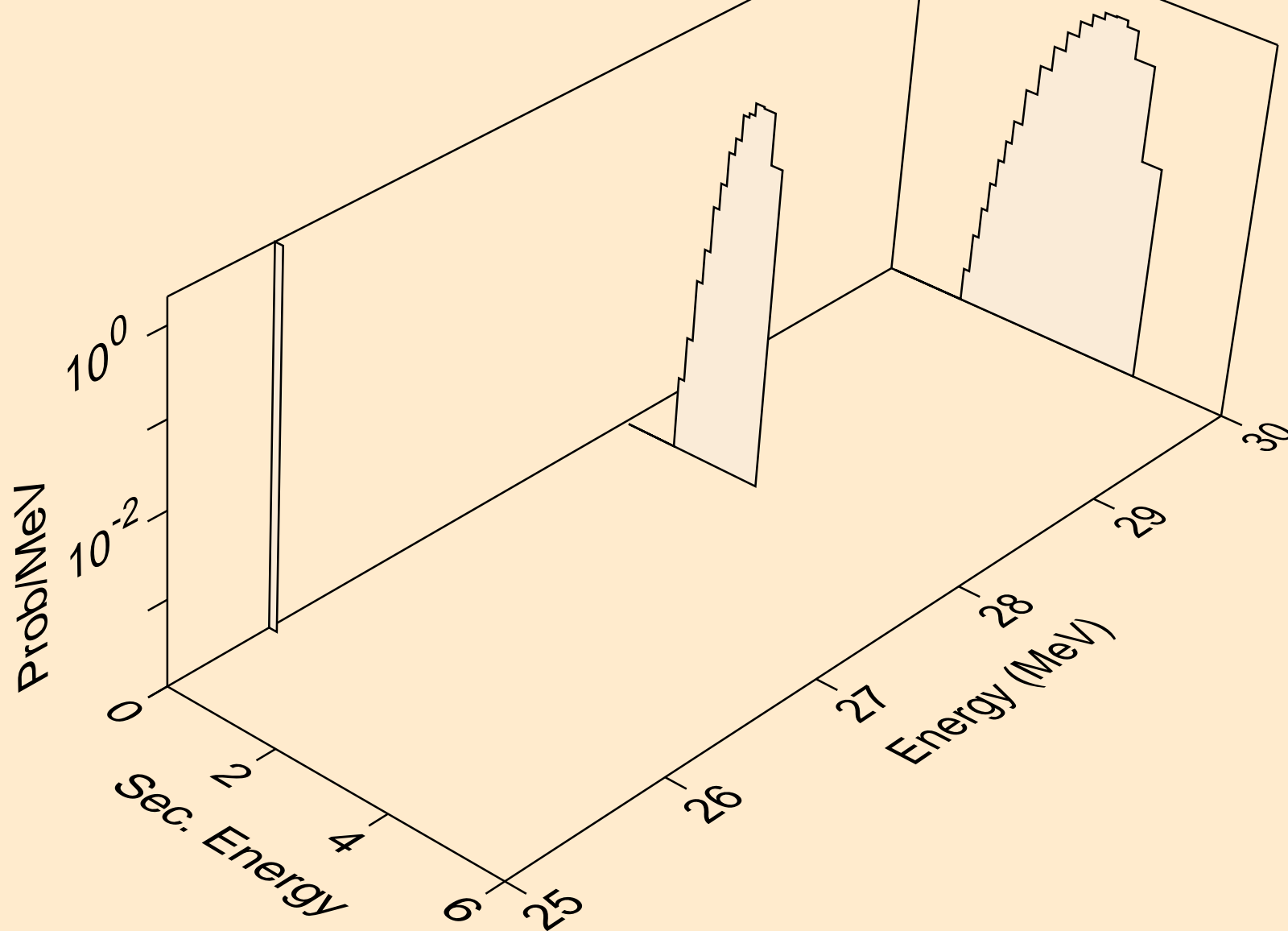
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protons from (n,pt)



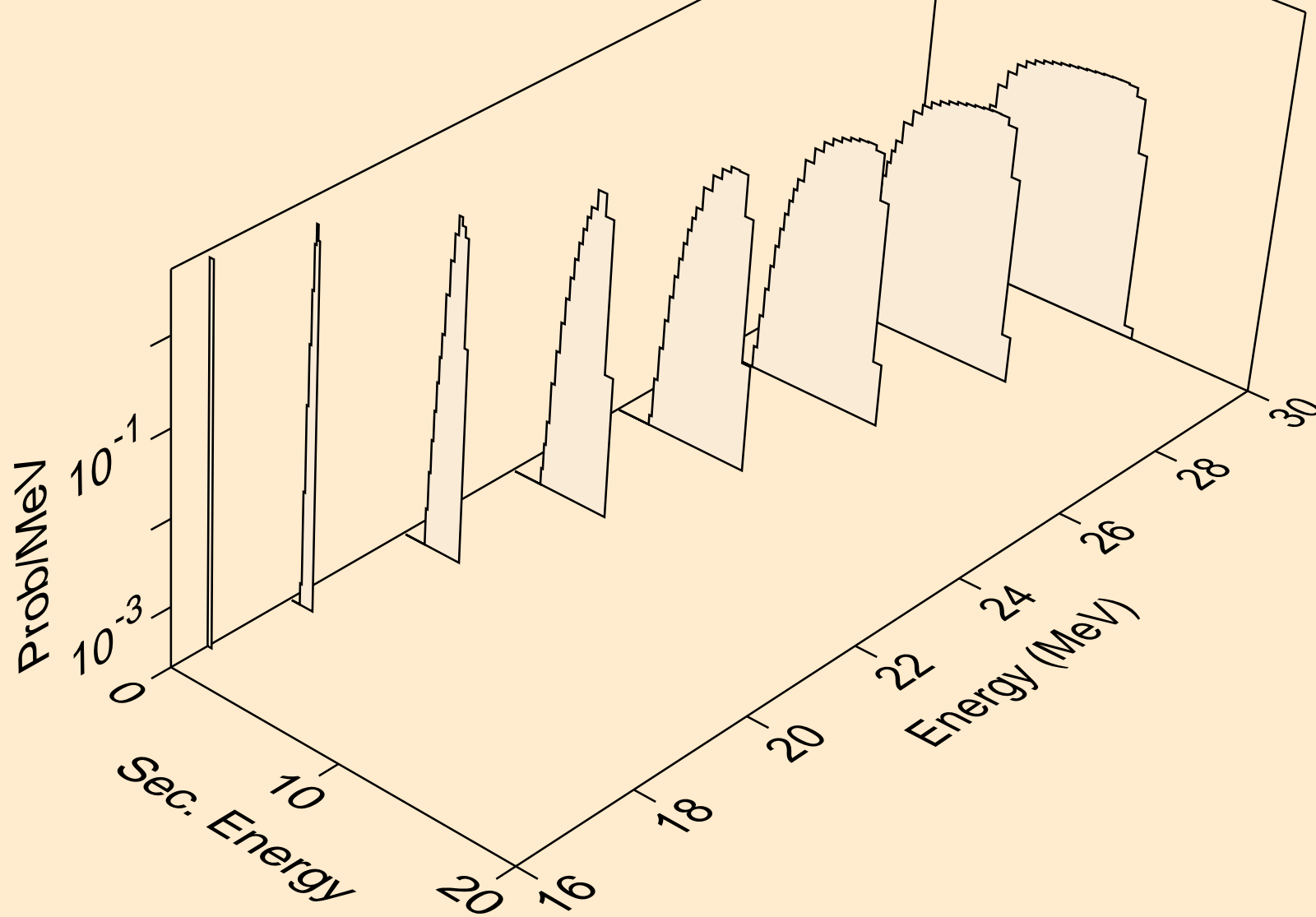
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deuterons from (n,x)



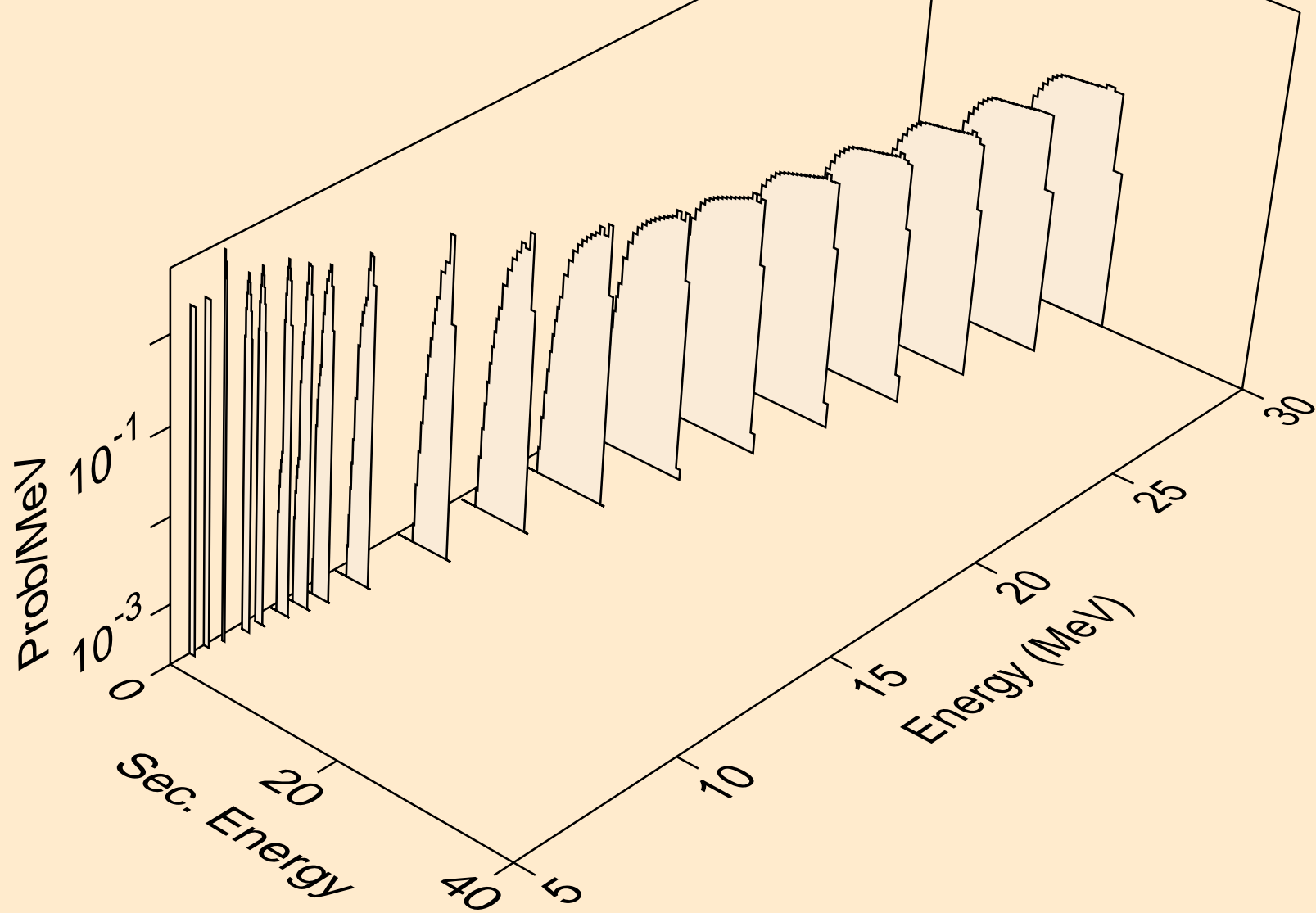
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deuterons from (n,2nd)



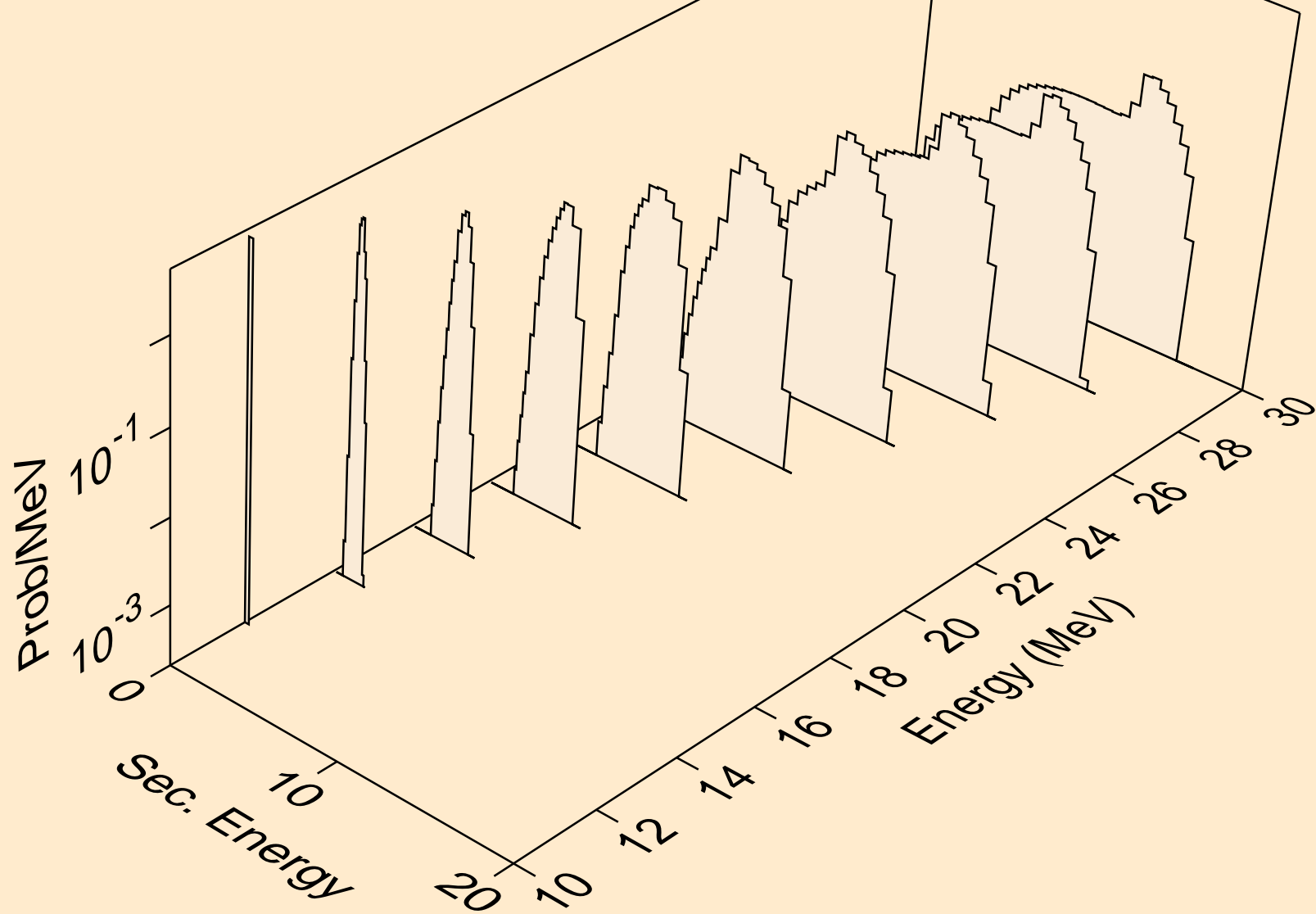
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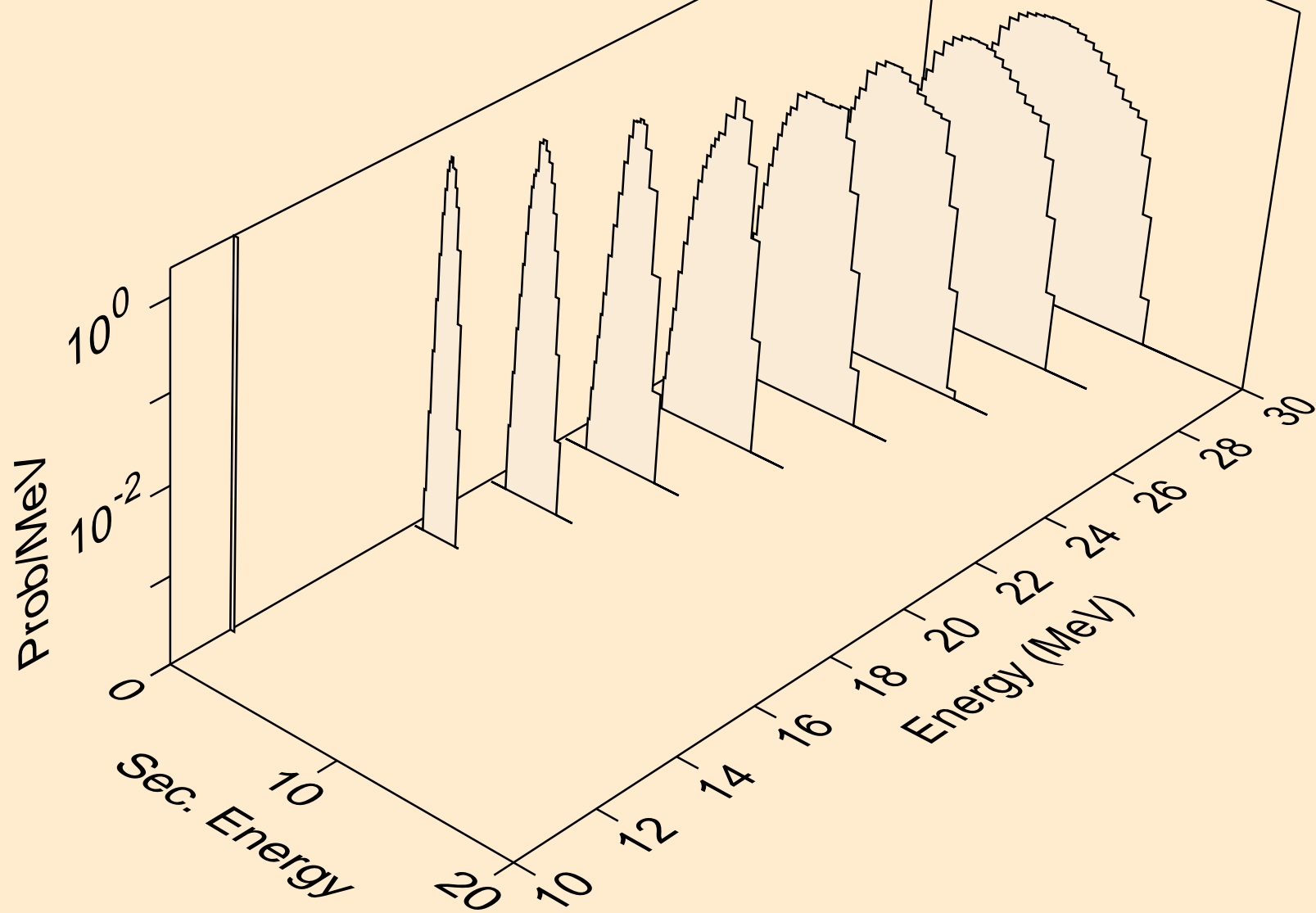
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deuterons from (n,d)



ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,pd)

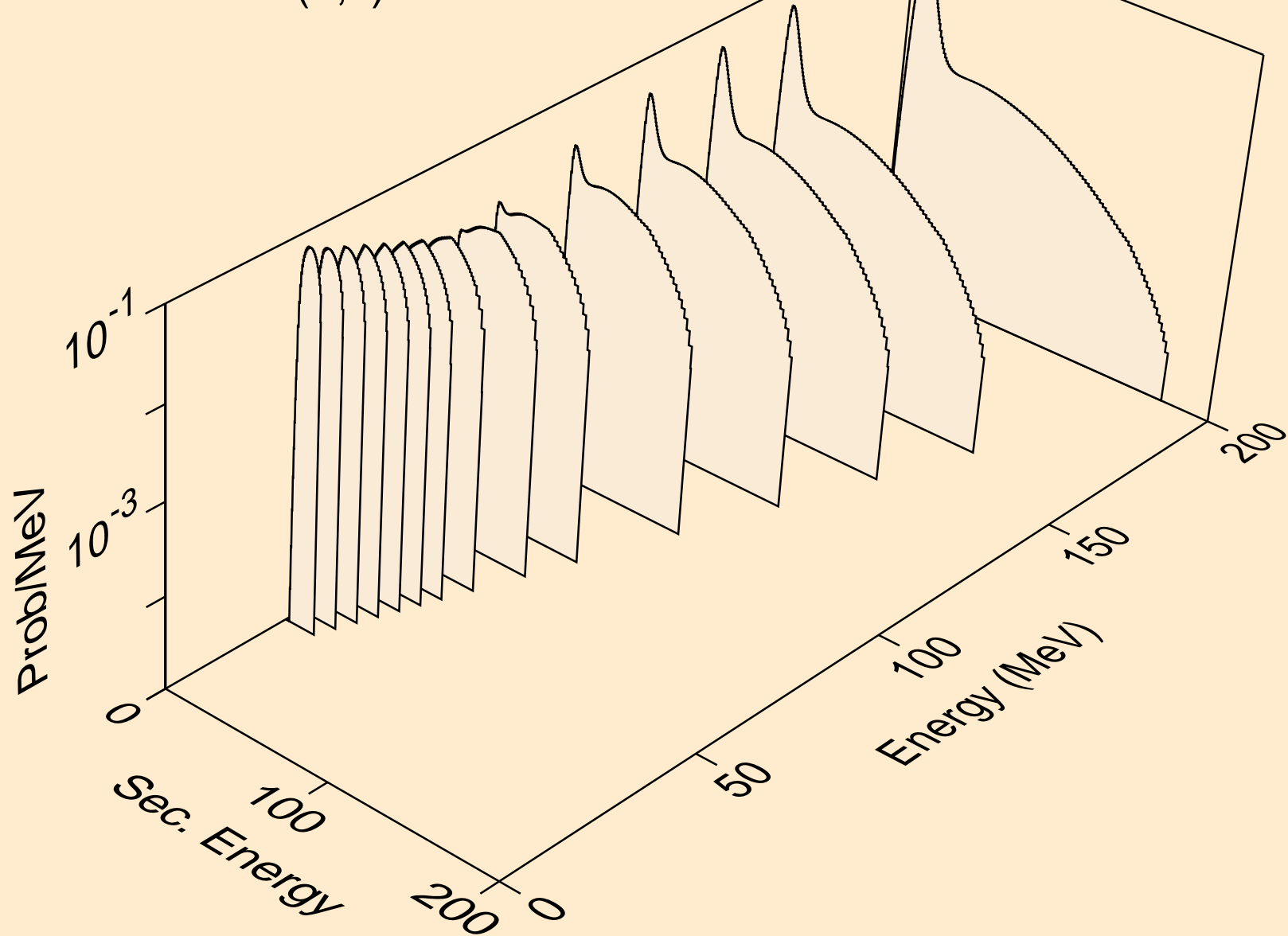


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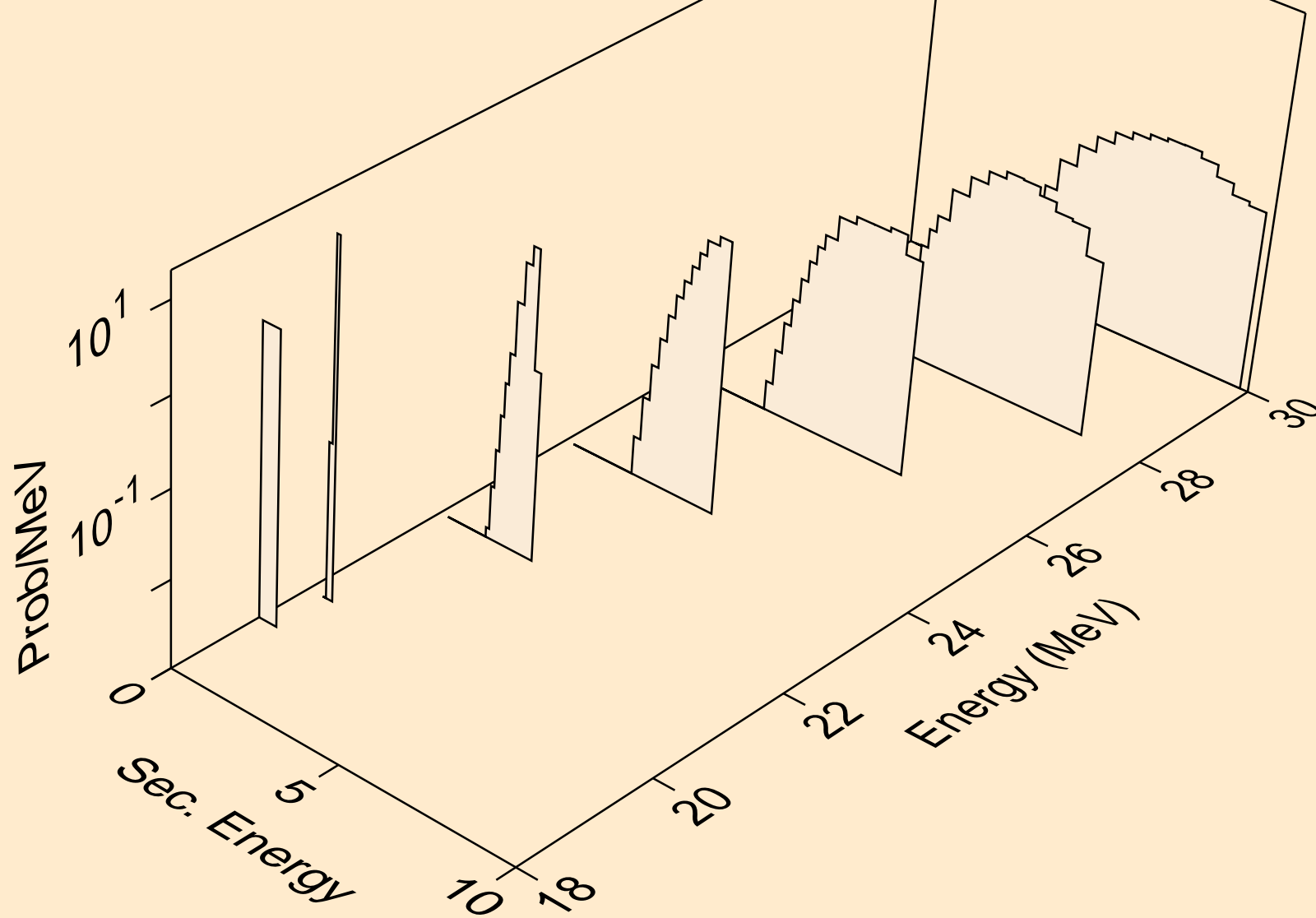




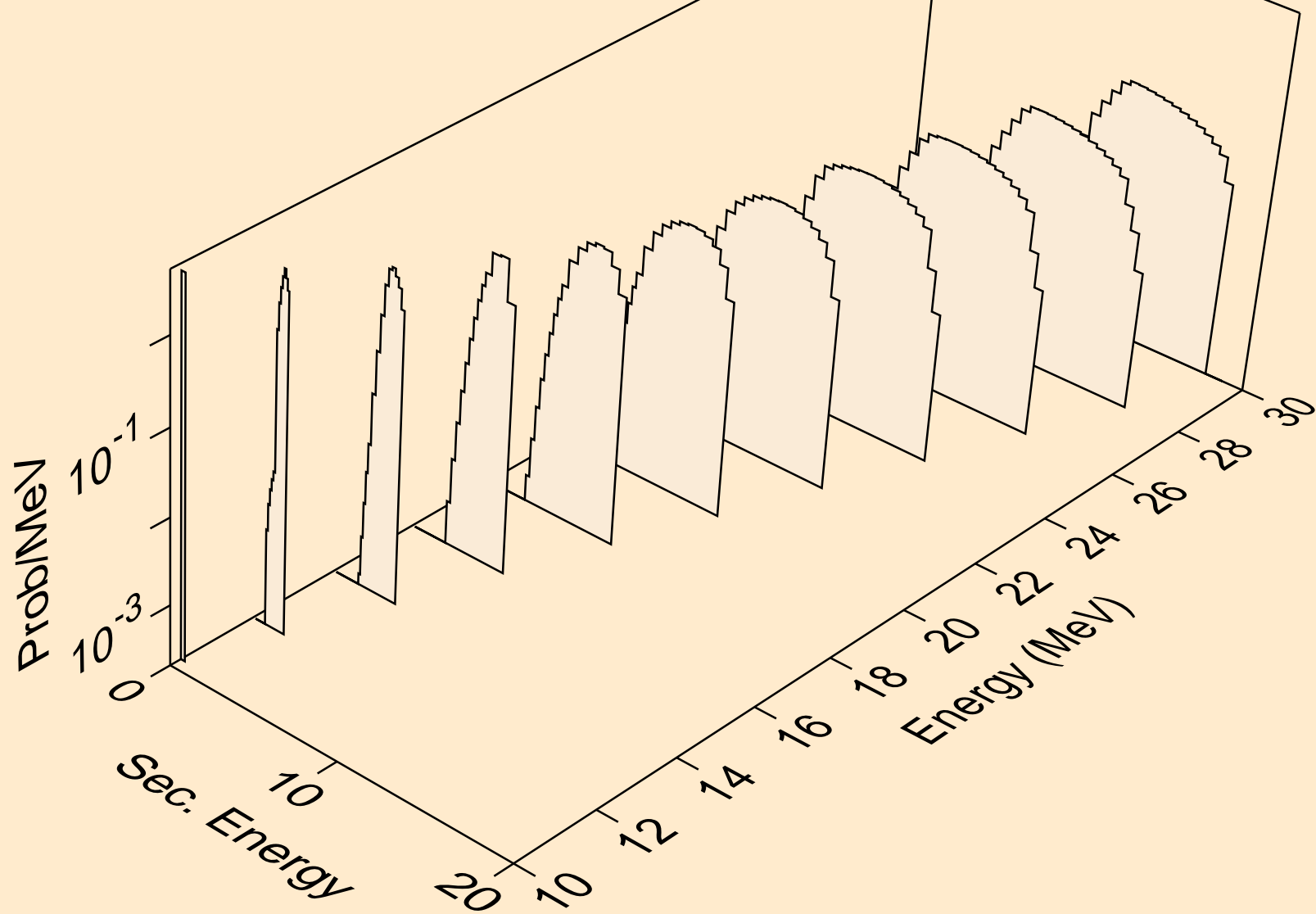
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tritons from (n,x)



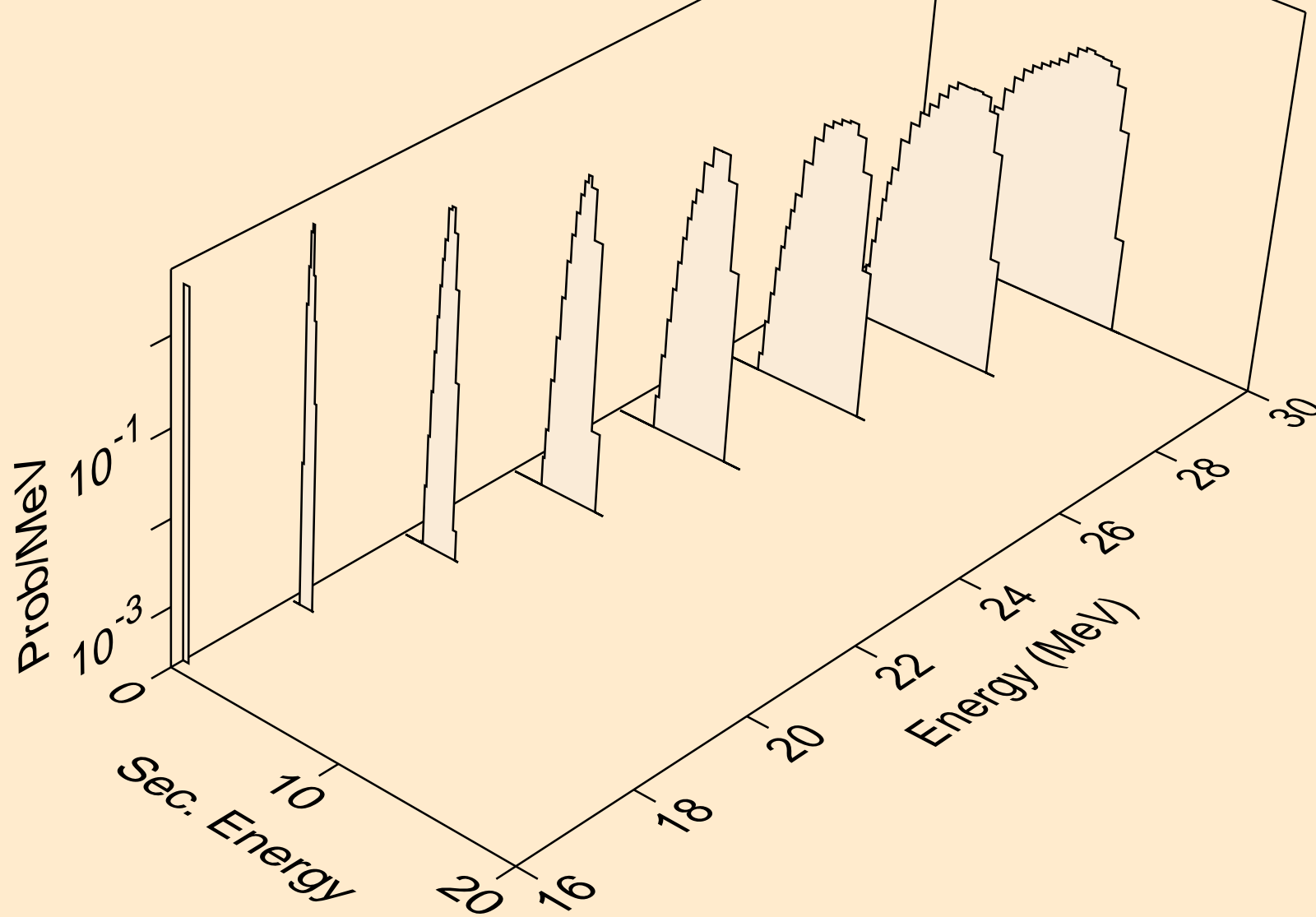
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tritons from (n,n\*)t



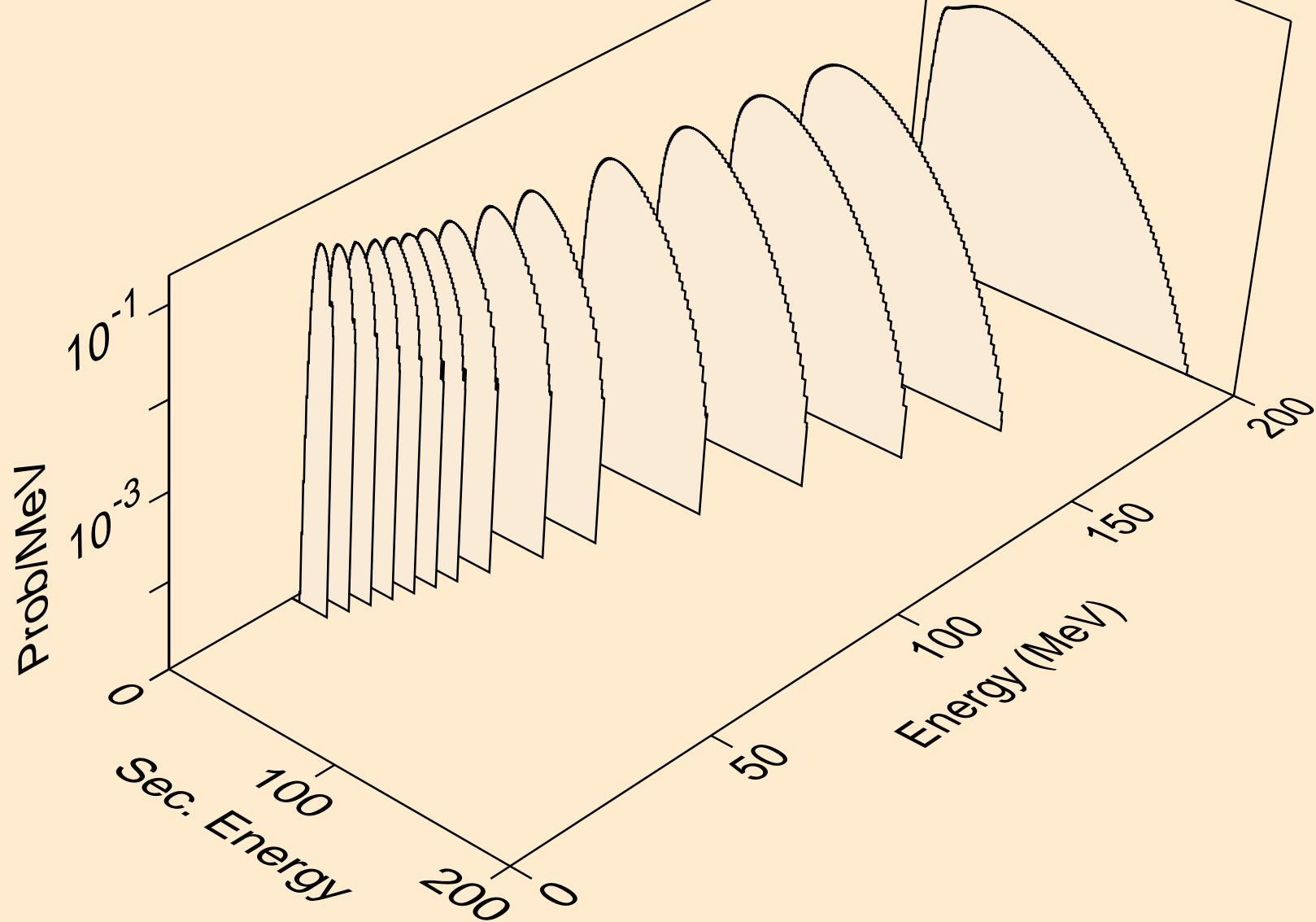
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tritons from (n,t)



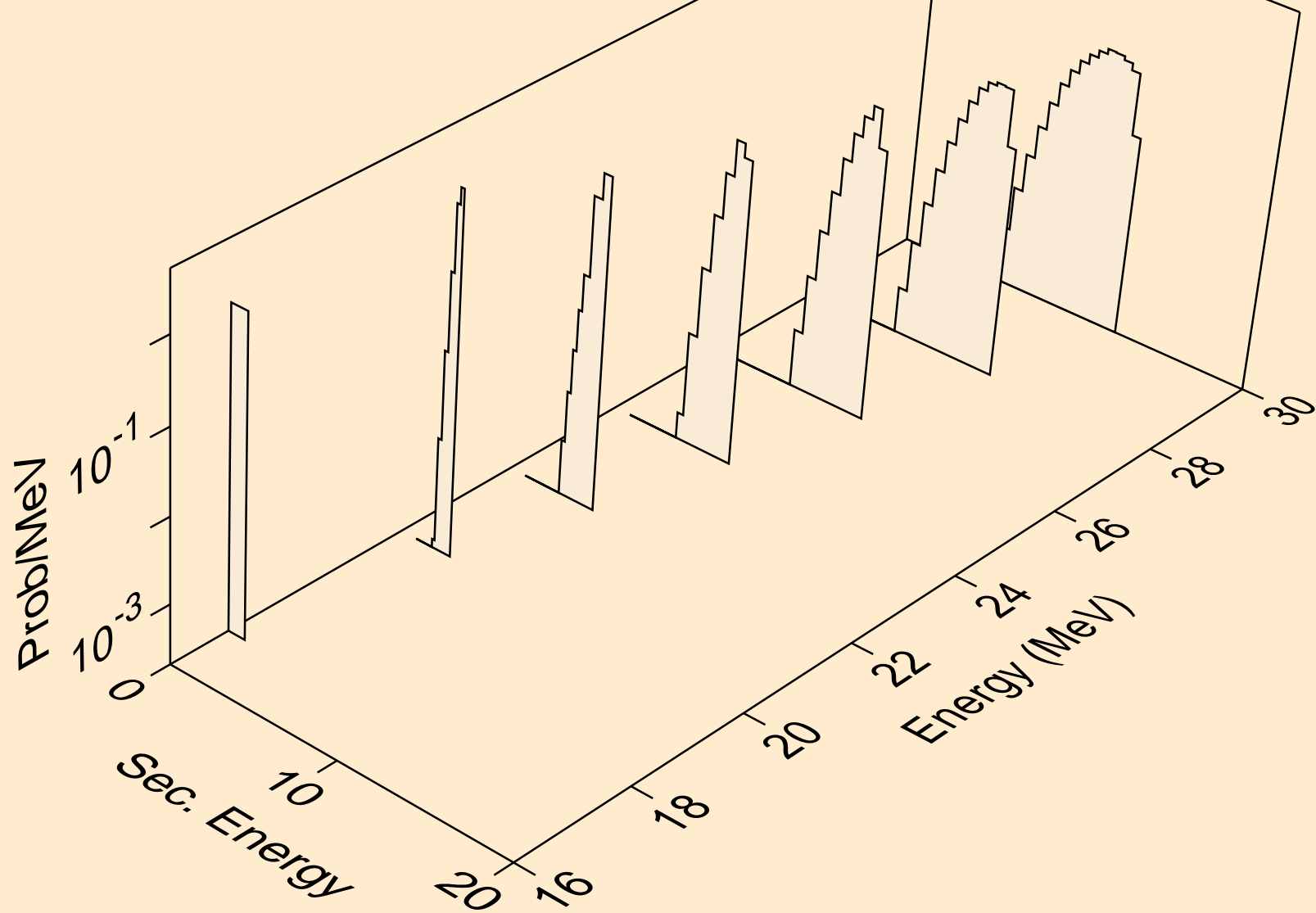
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tritons from (n,pt)



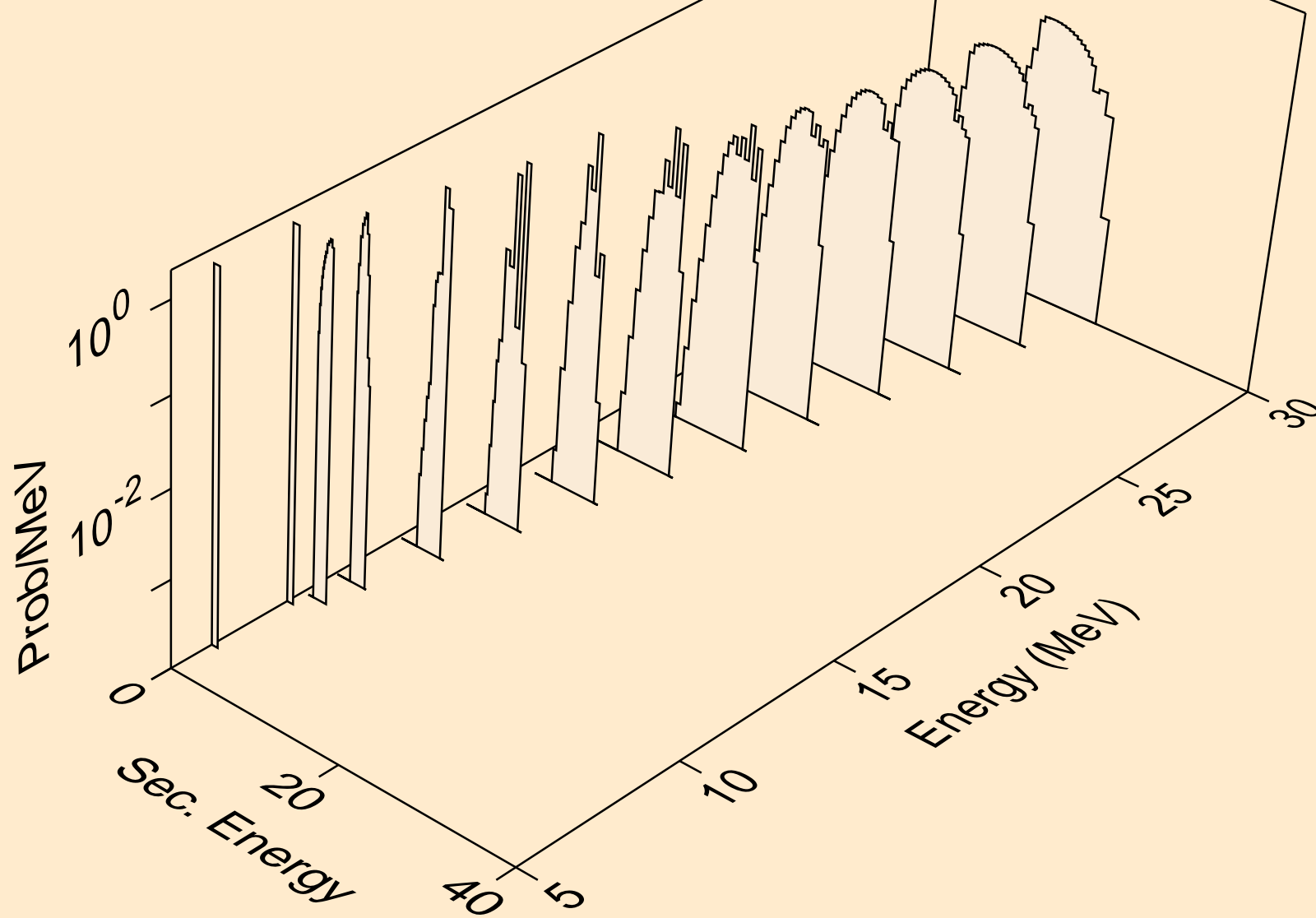
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he3s from (n,x)



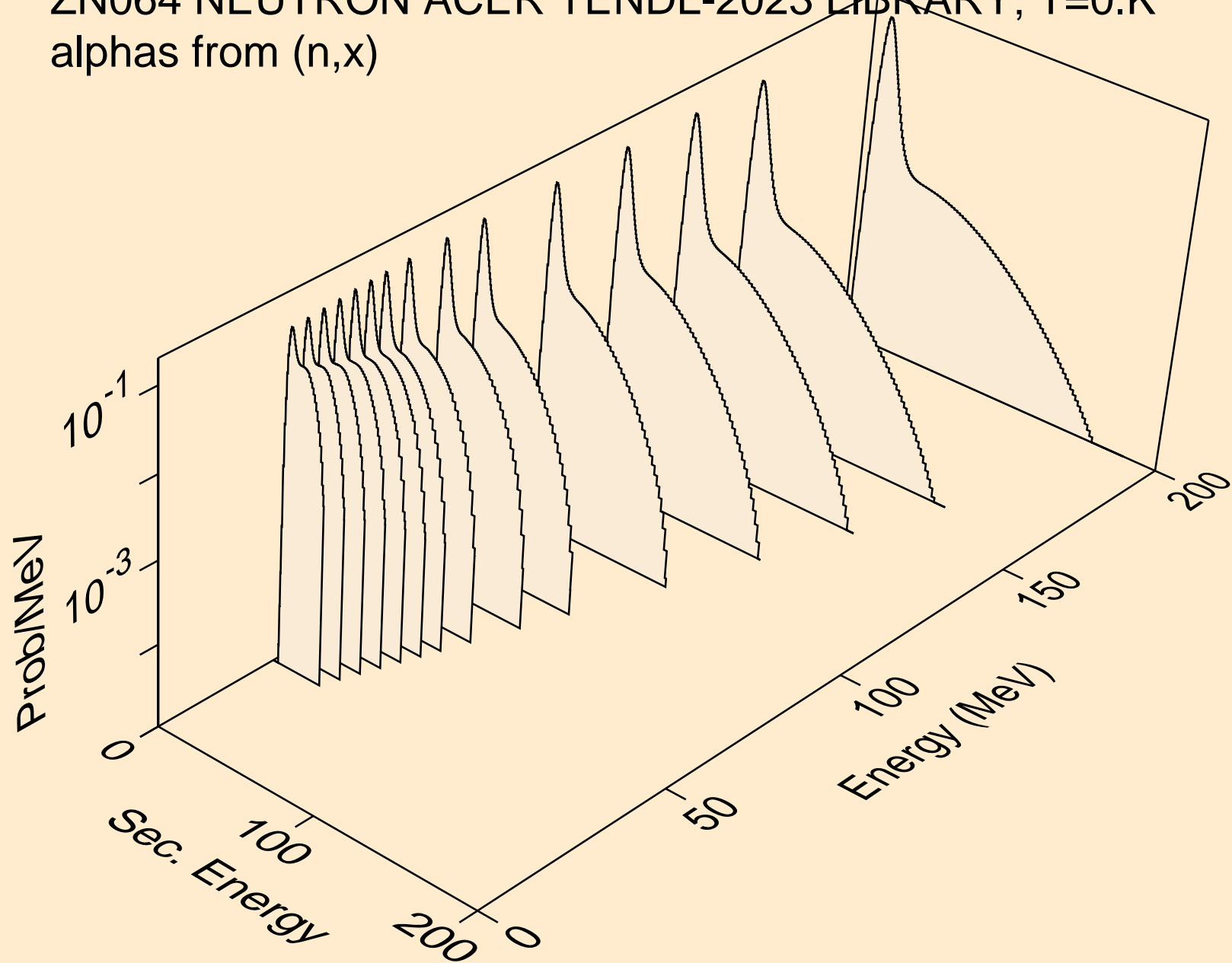
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3



ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,he3)

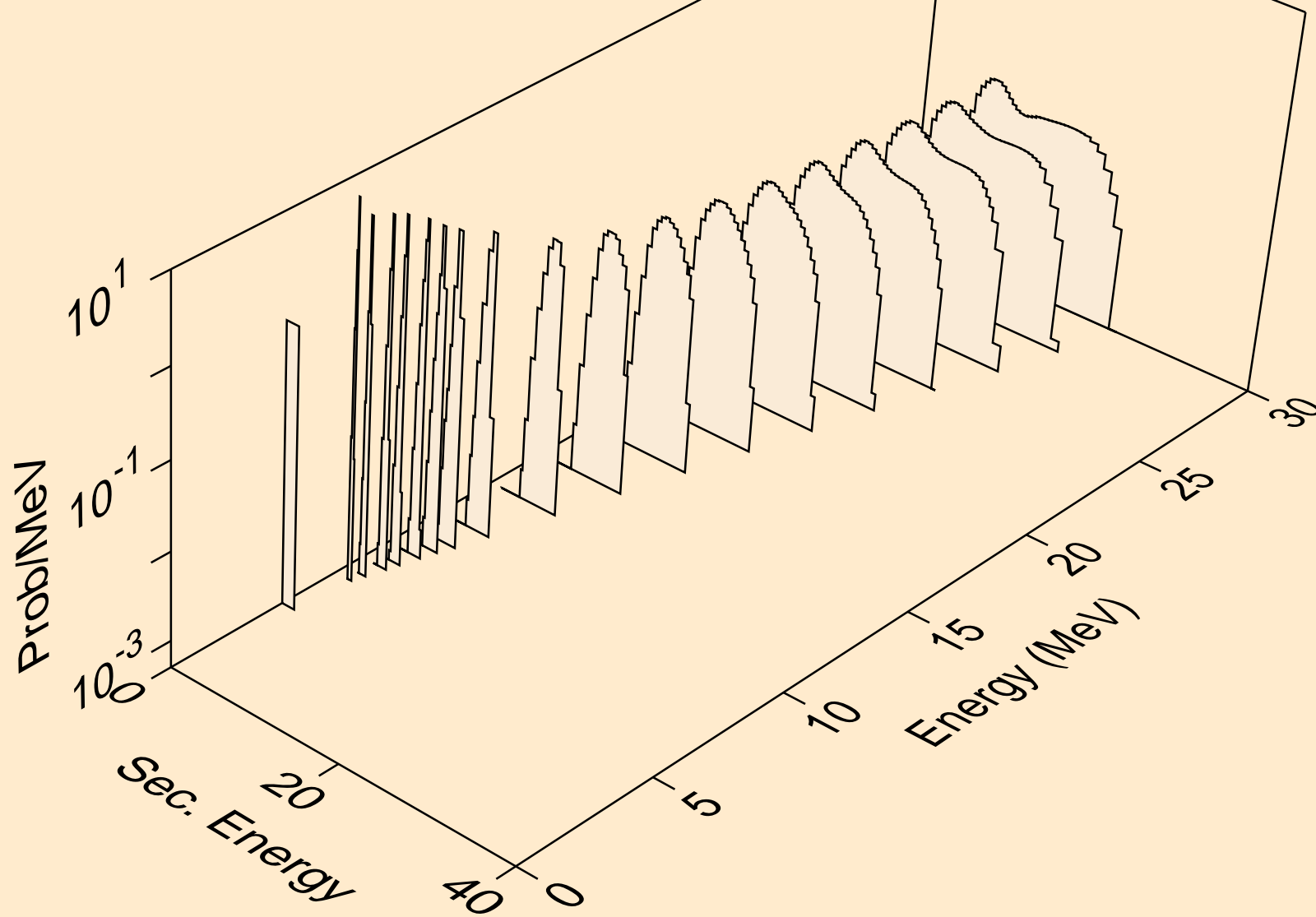


ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)

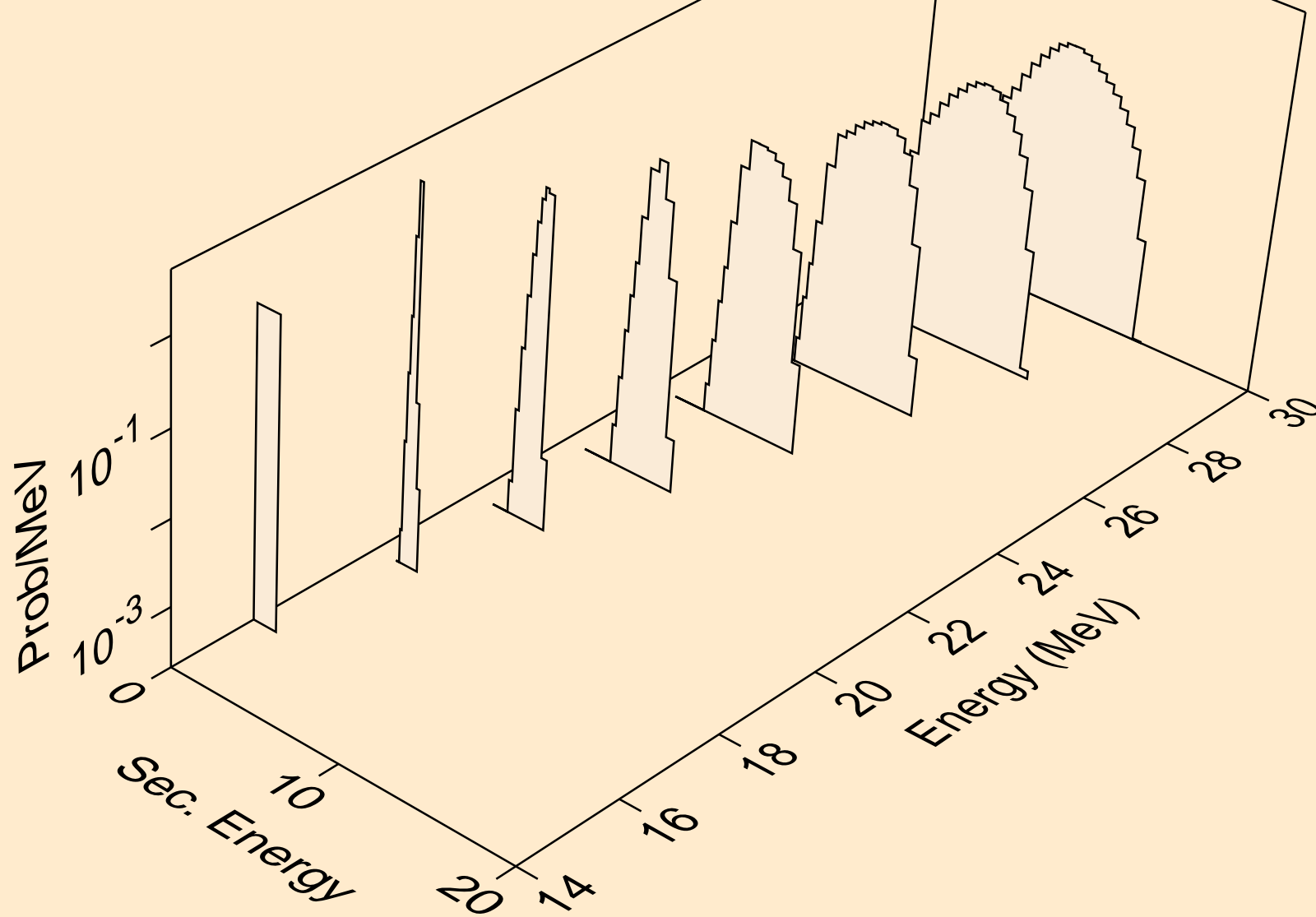




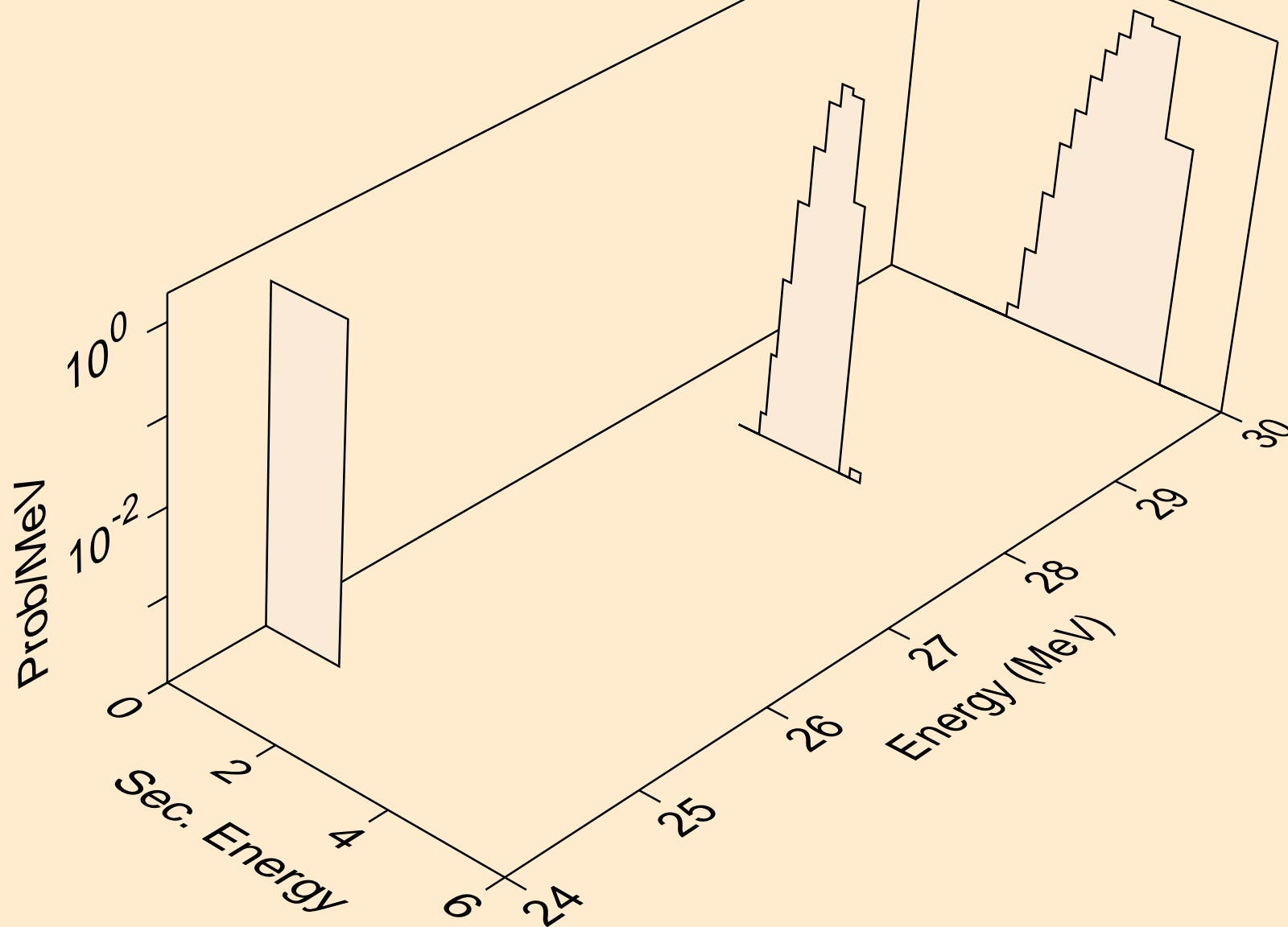
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



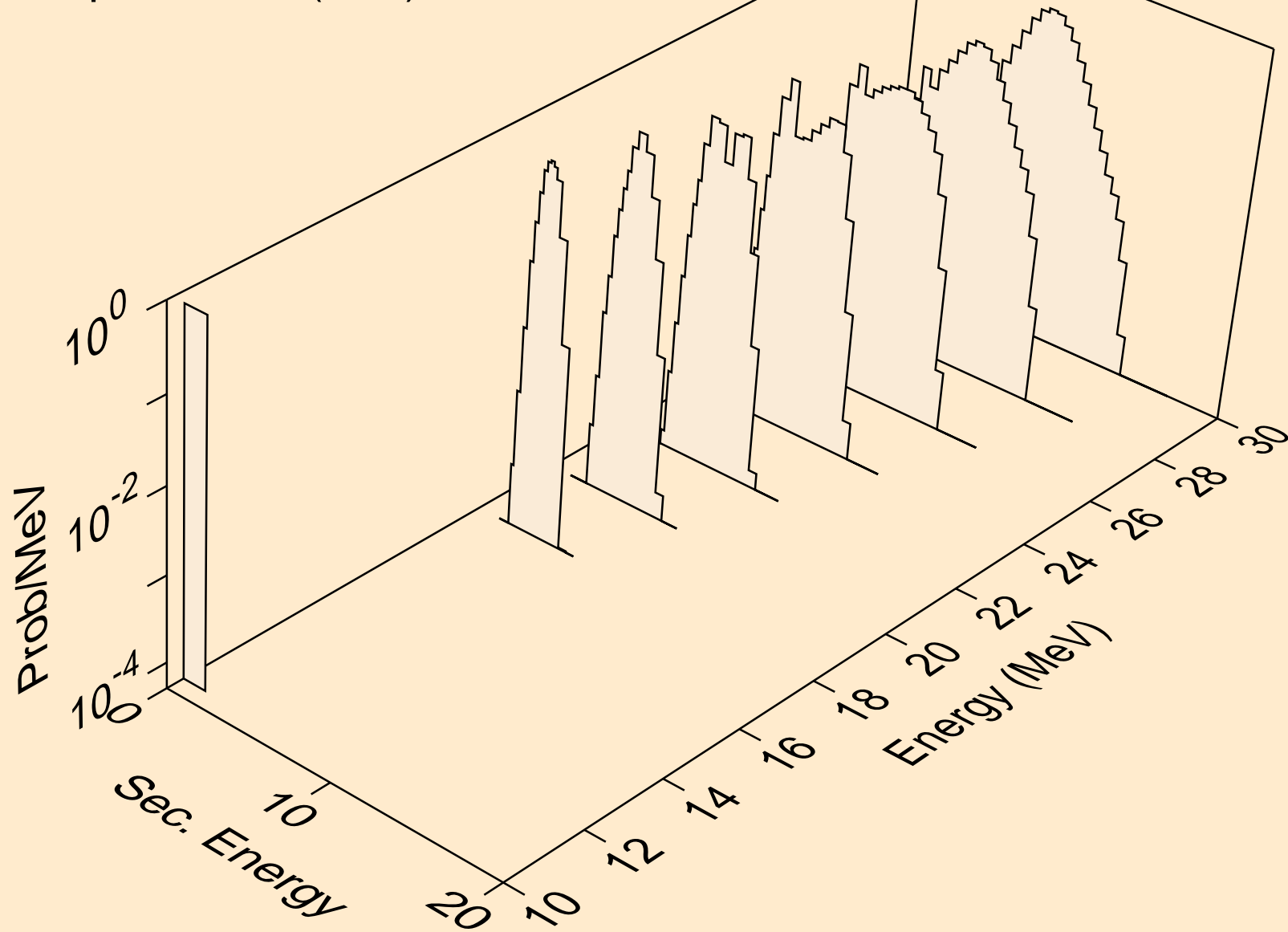
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



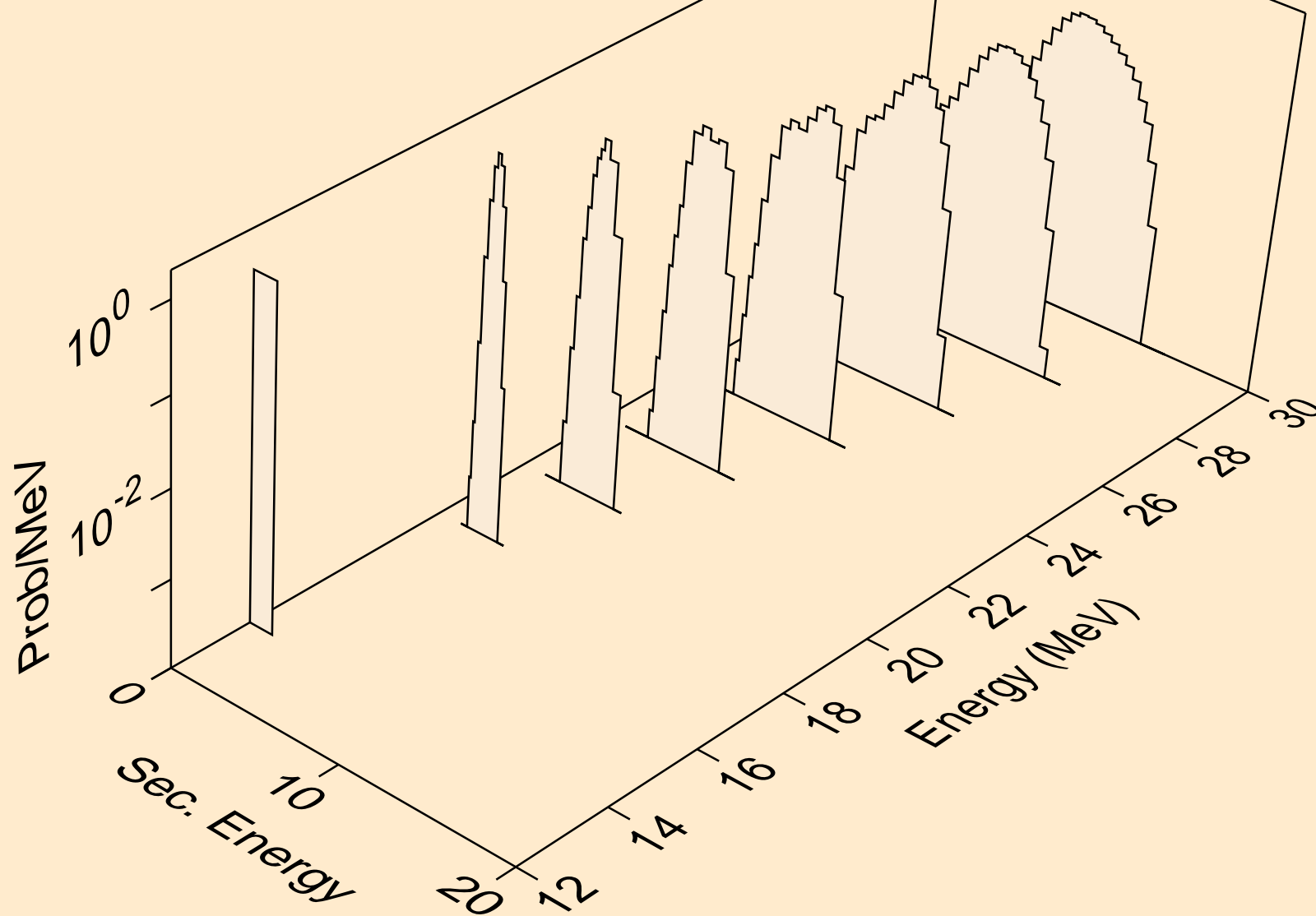
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



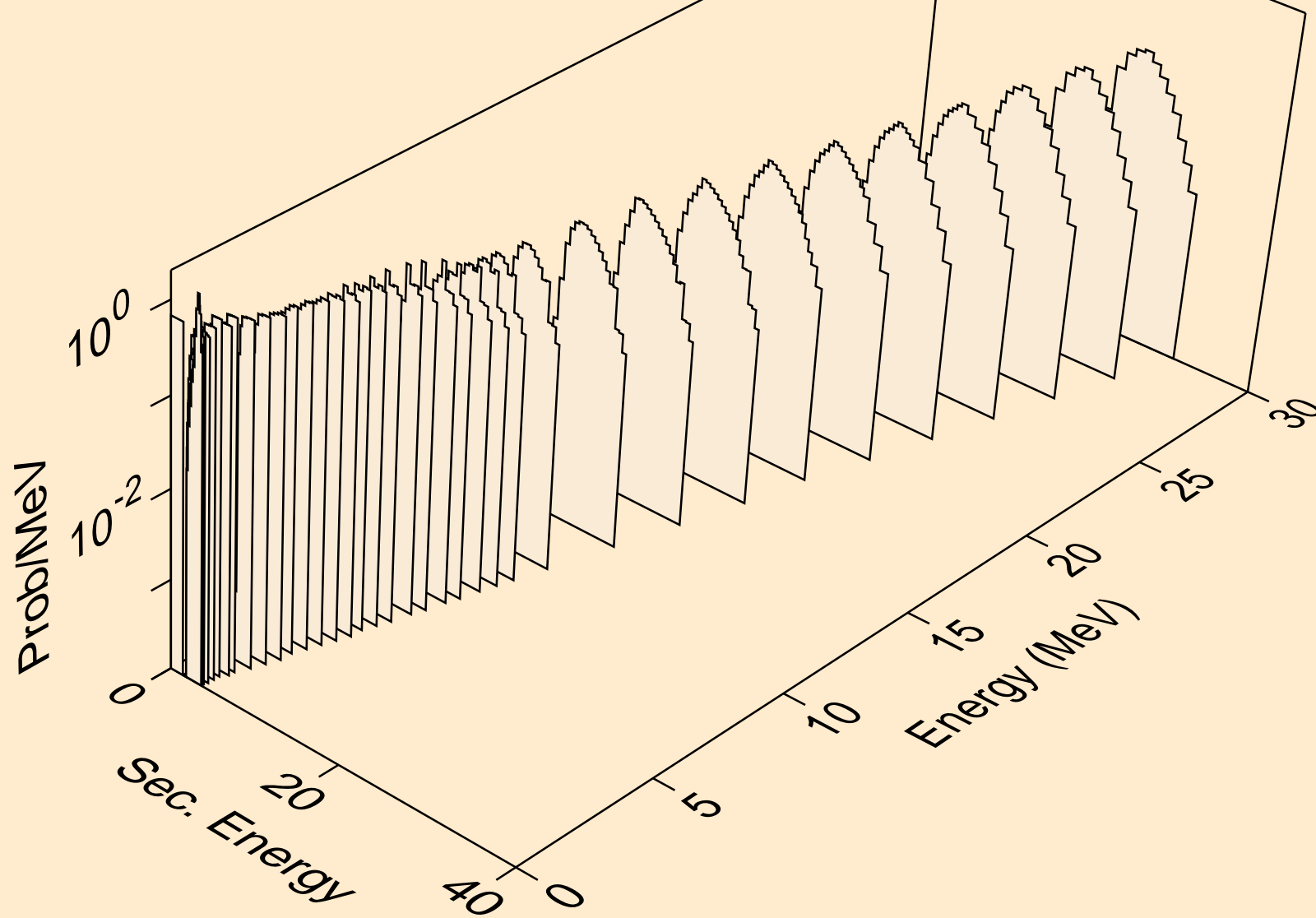
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a



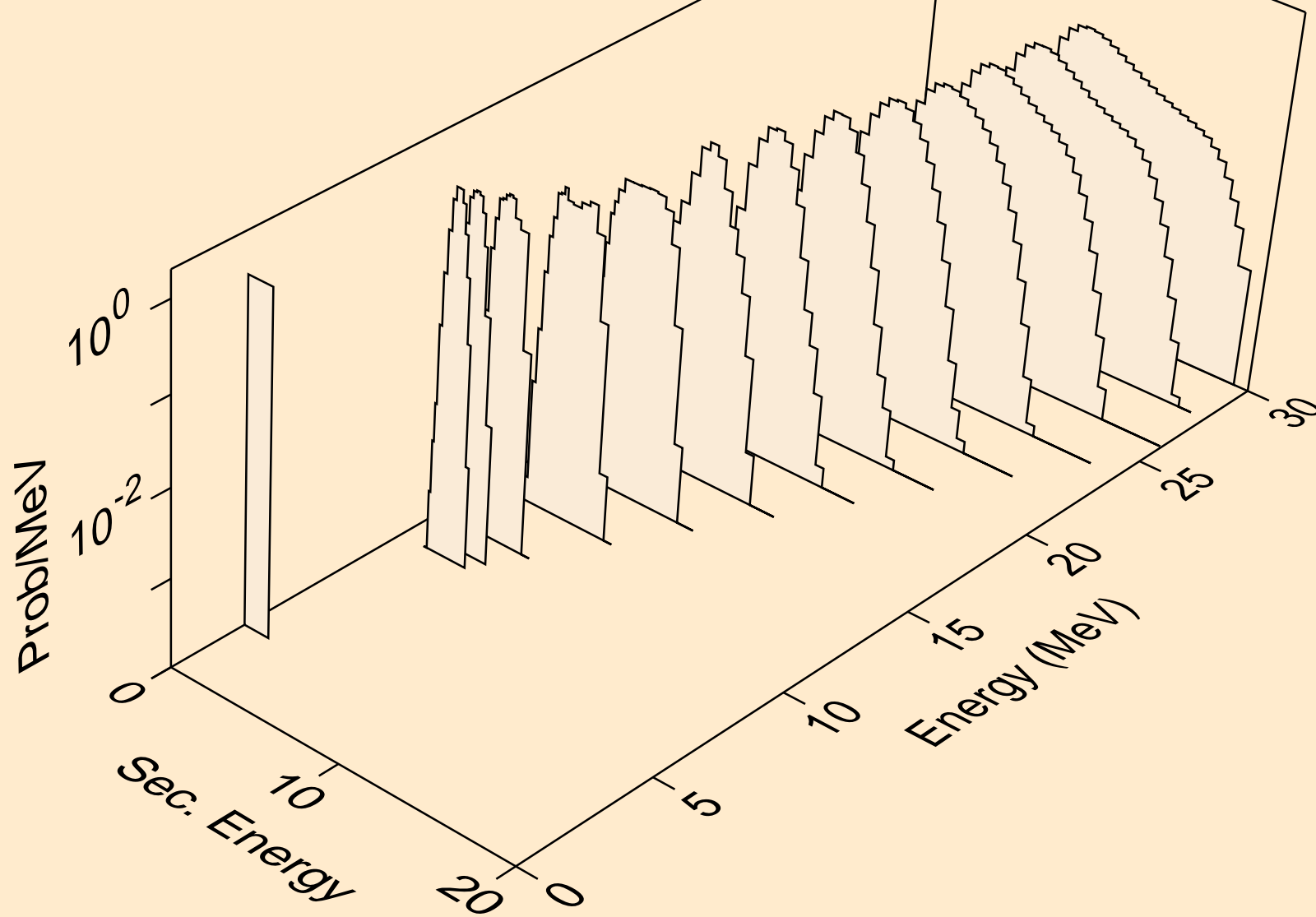
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)



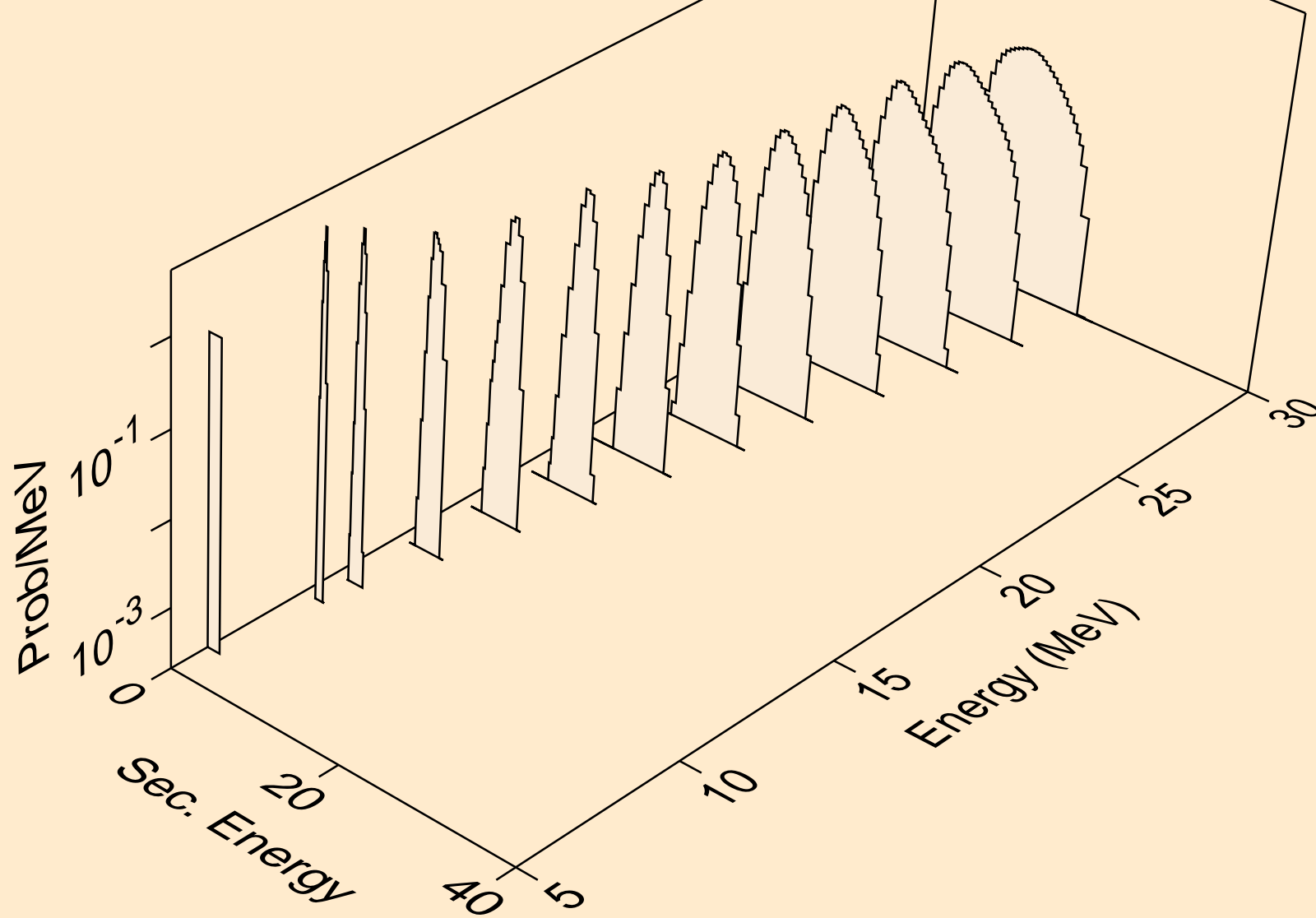
ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)





ZN064 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

