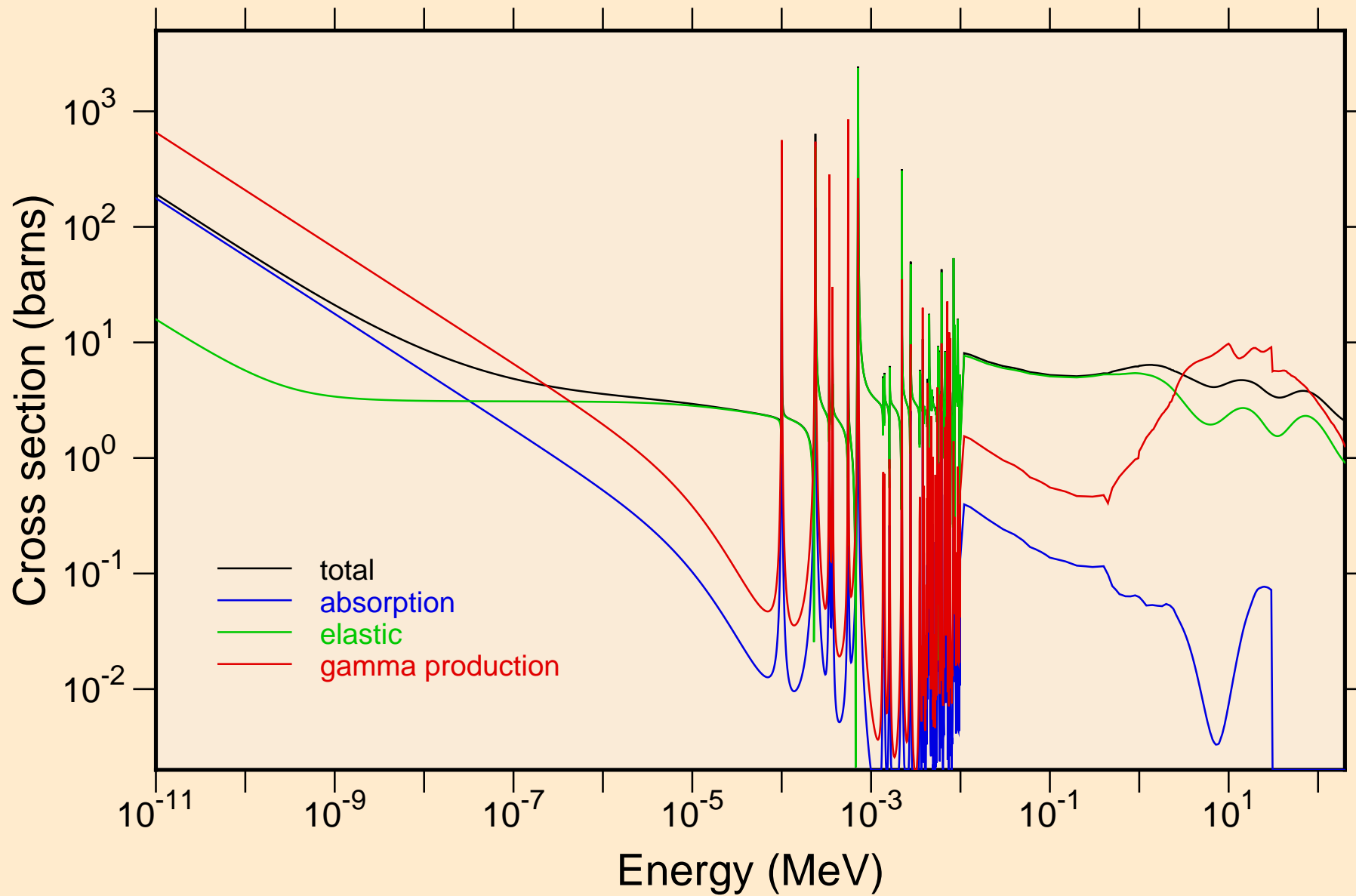
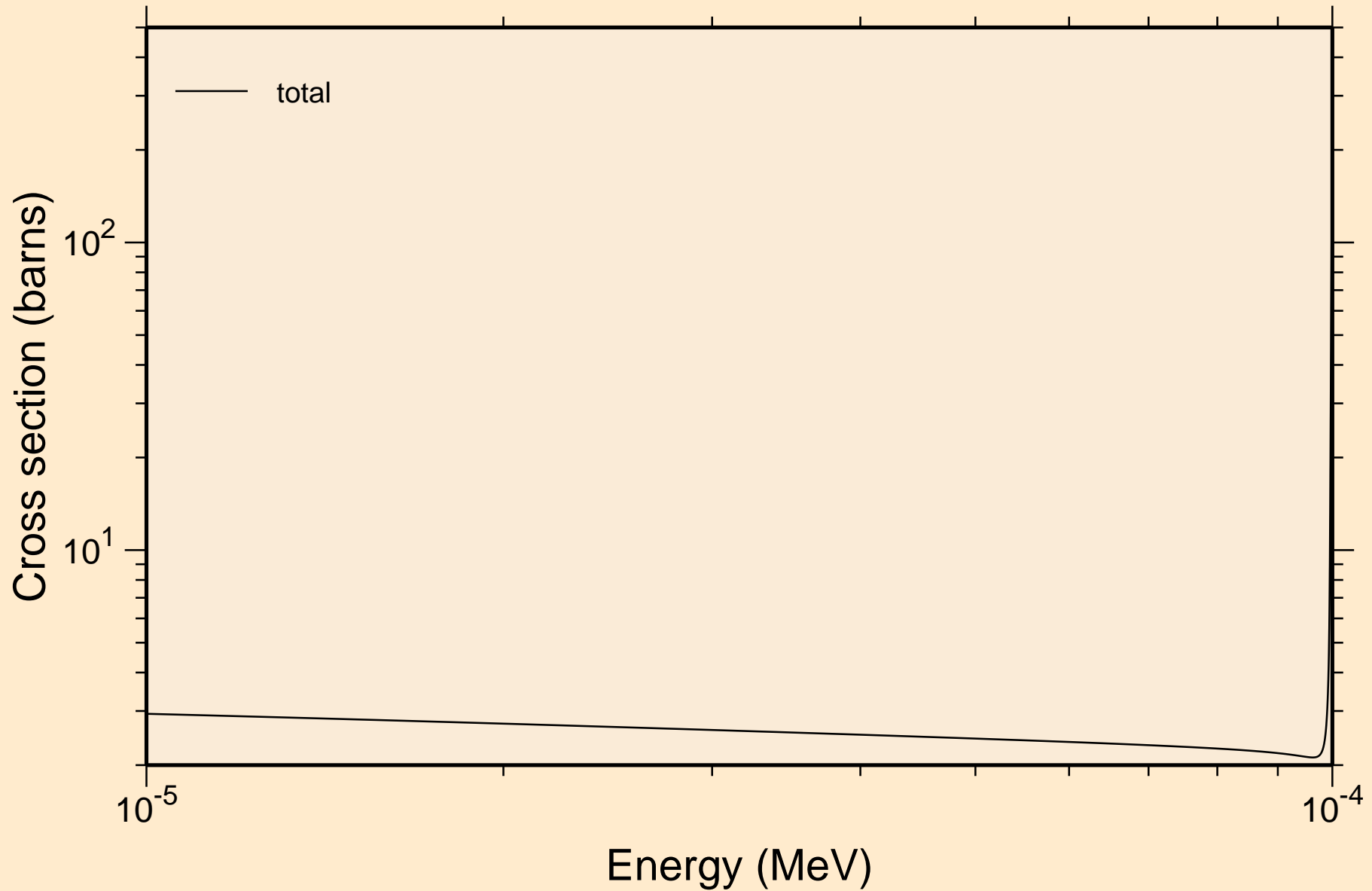


# XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

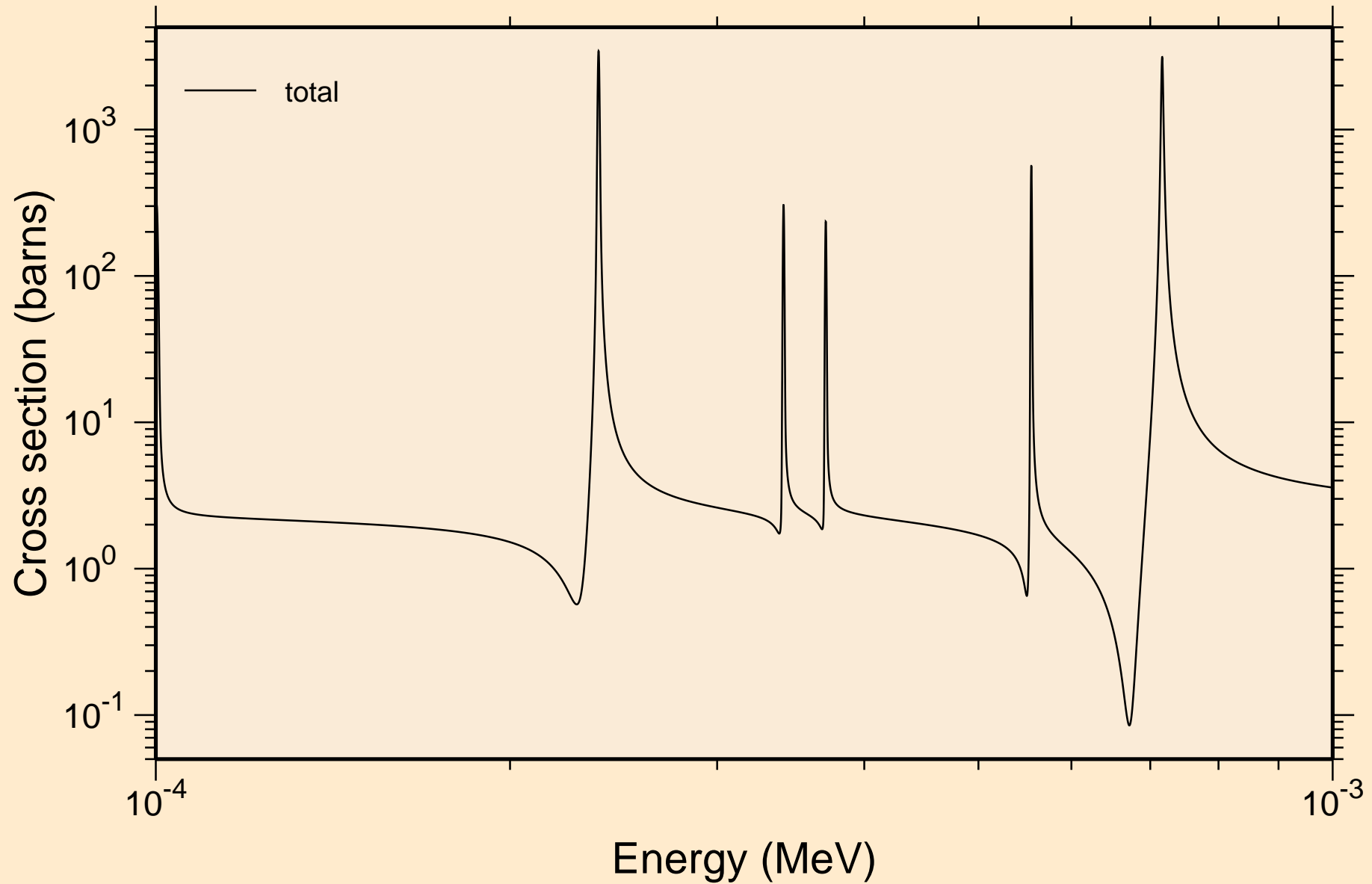
## Principal cross sections



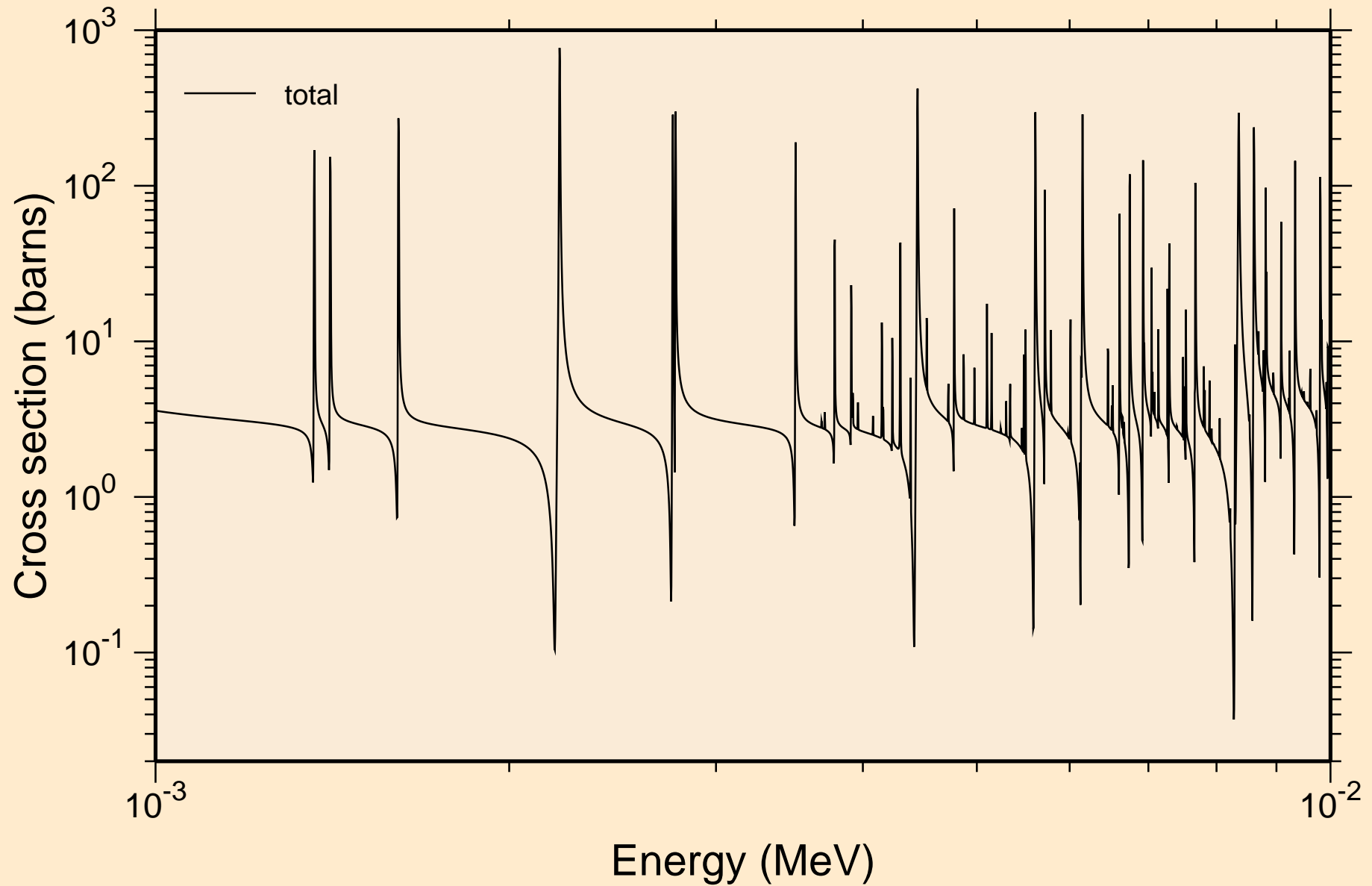
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



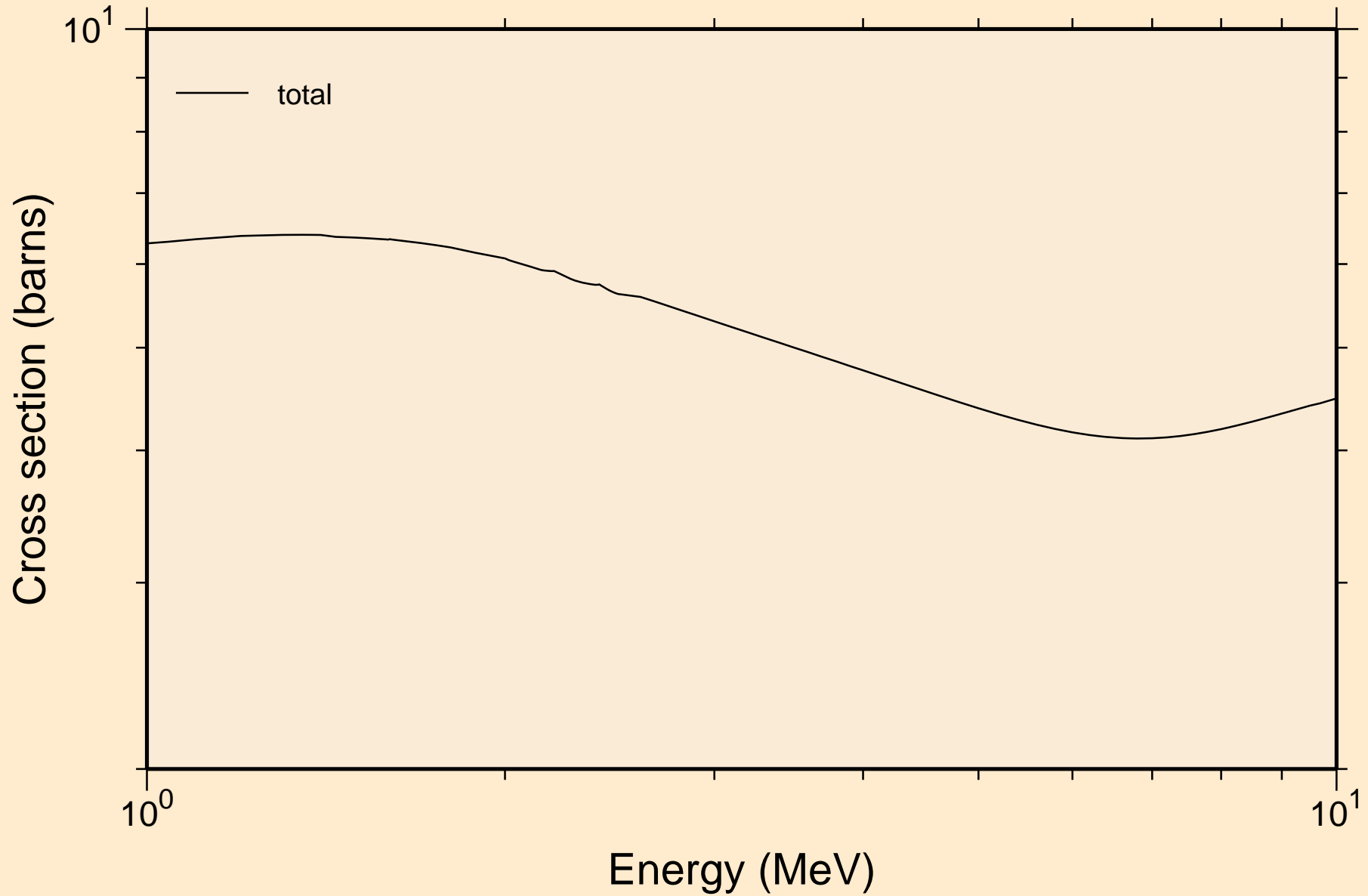
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



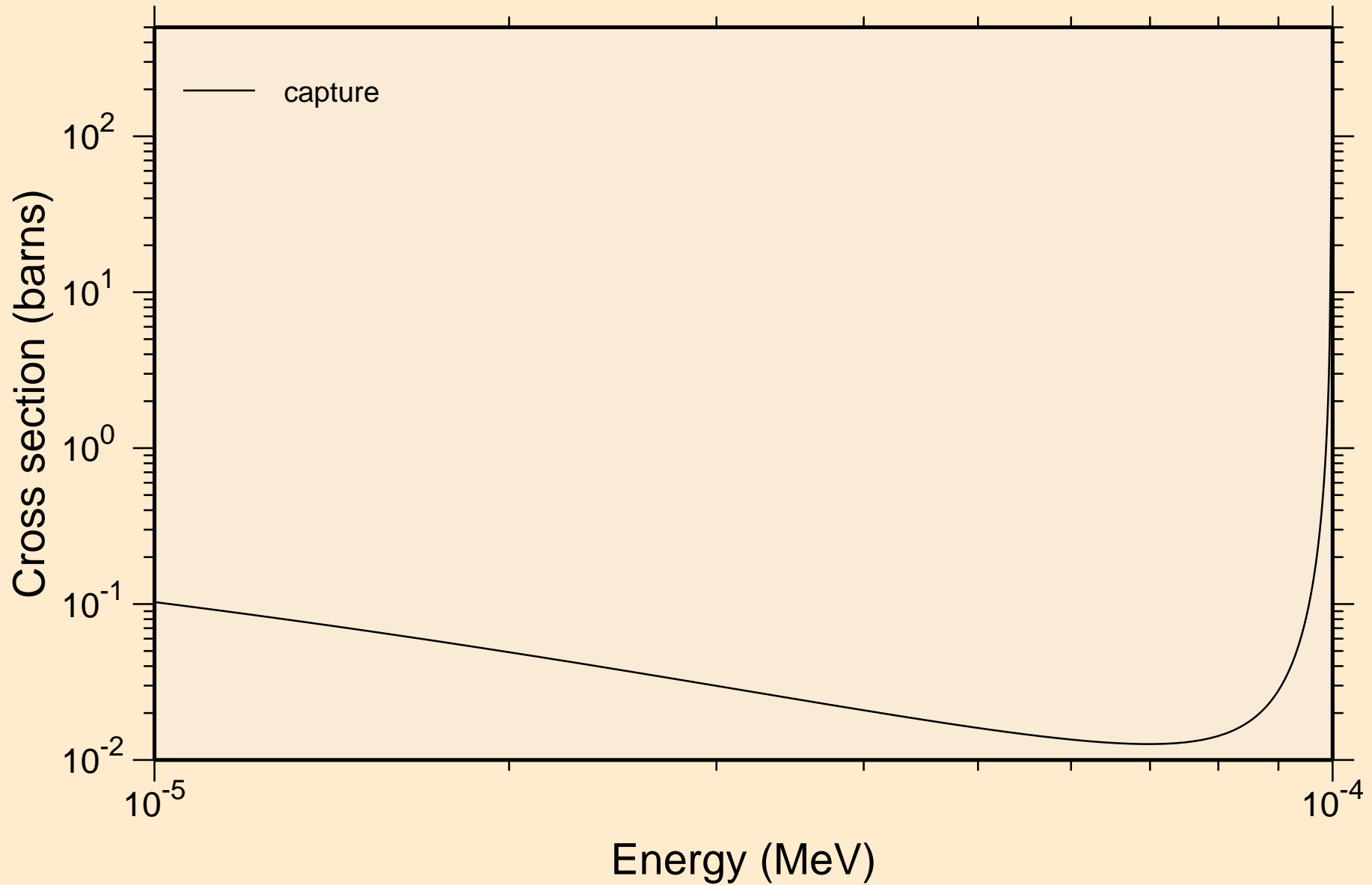
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



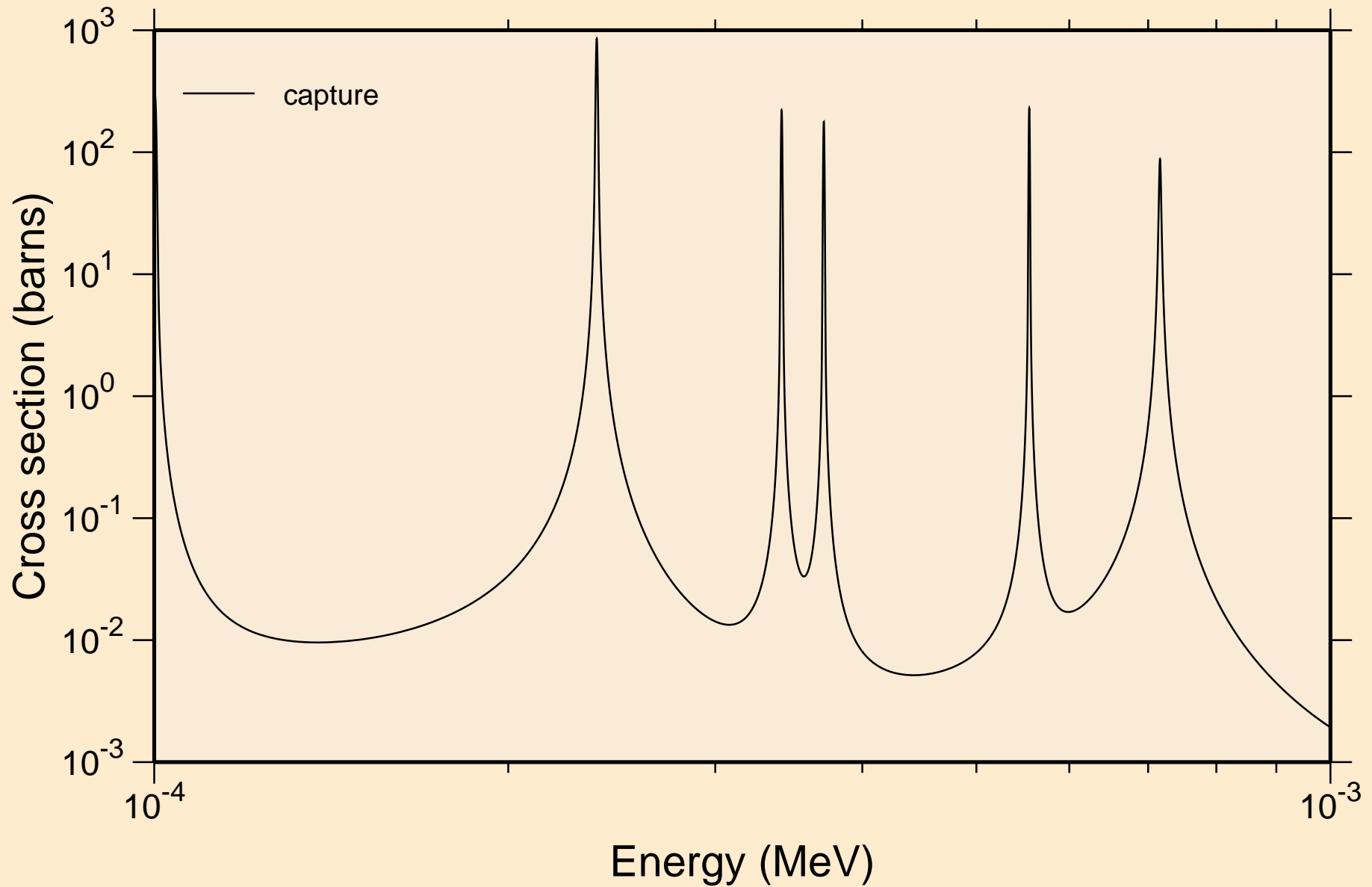
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



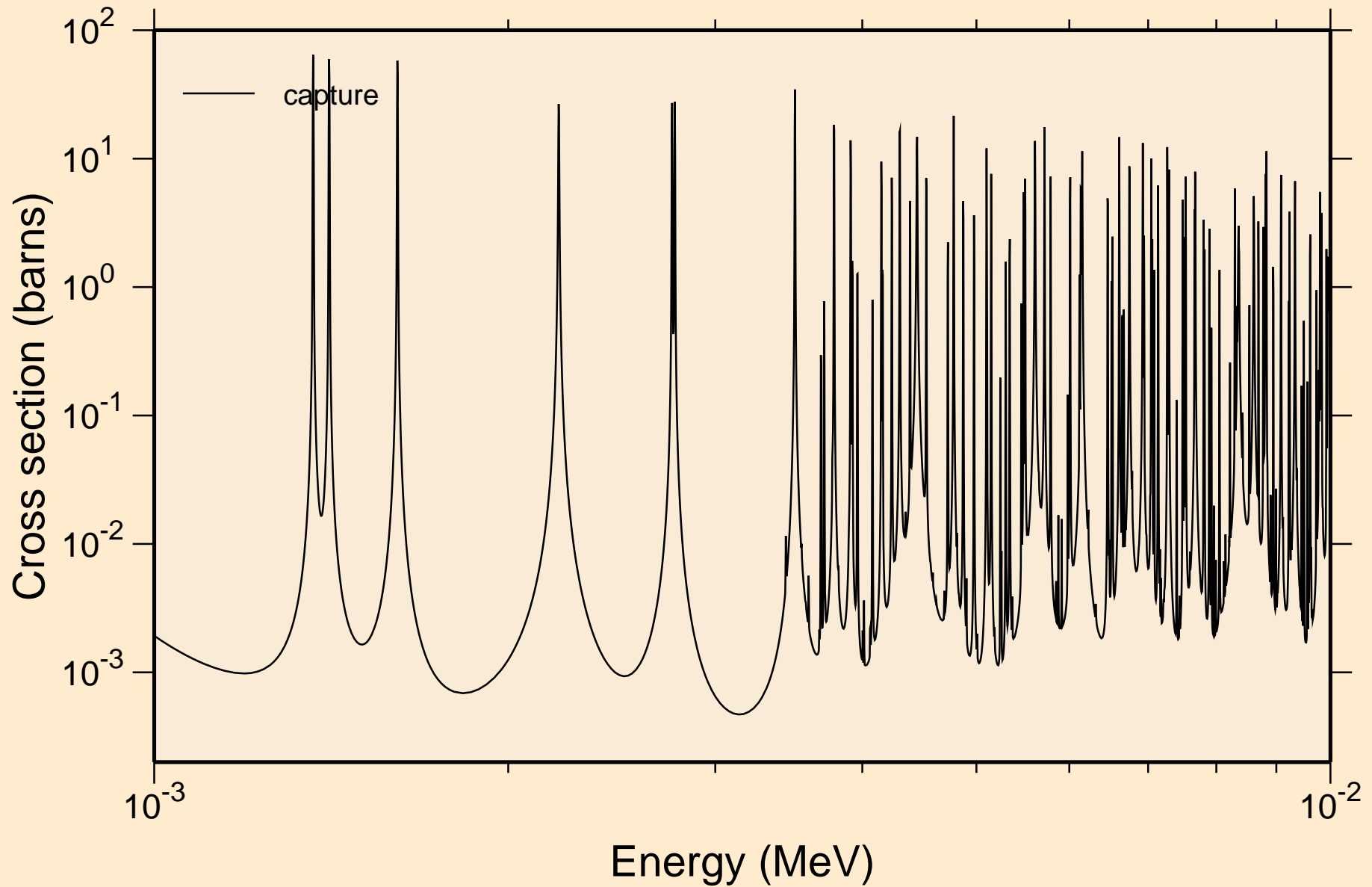
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

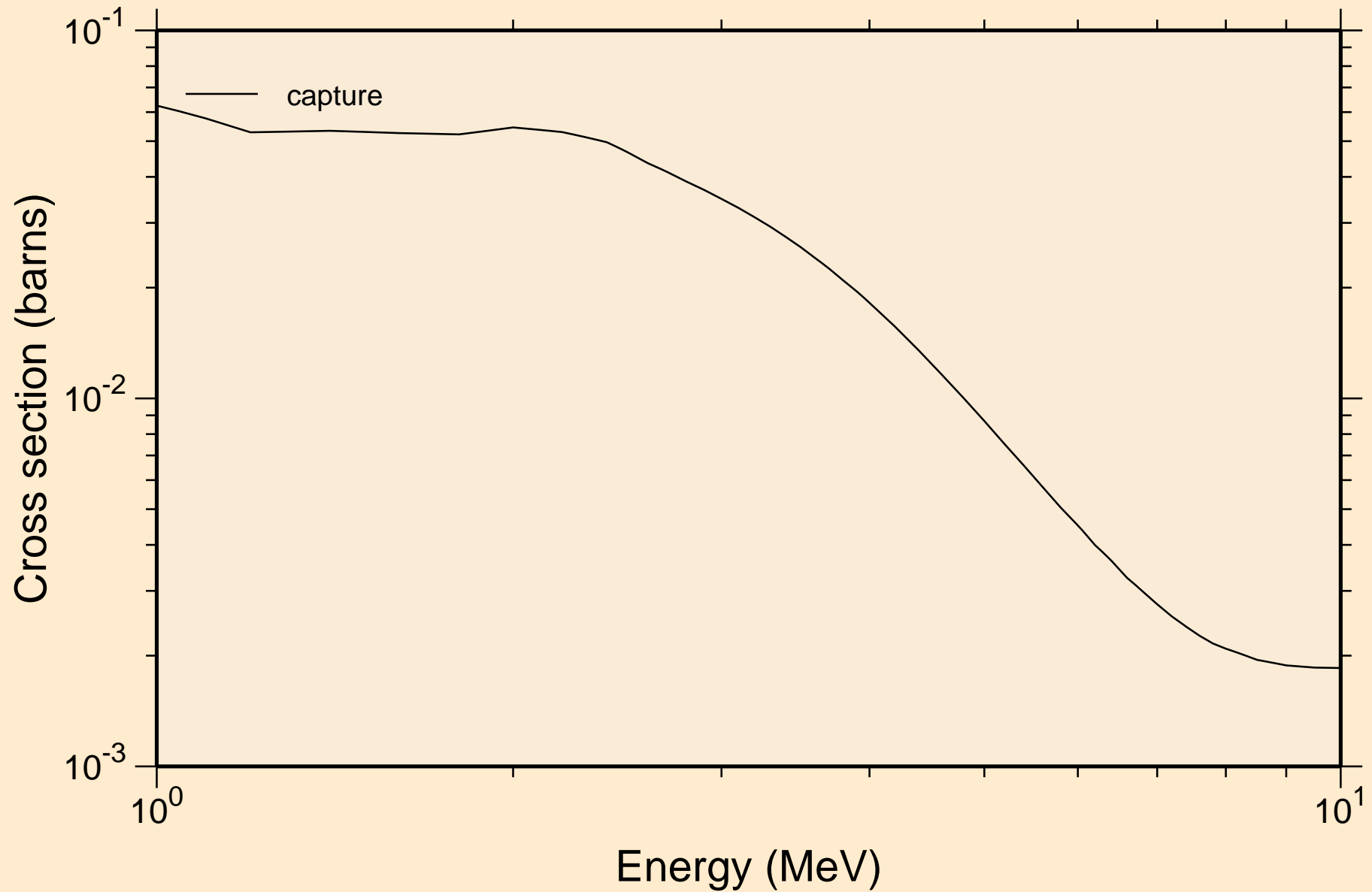


XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

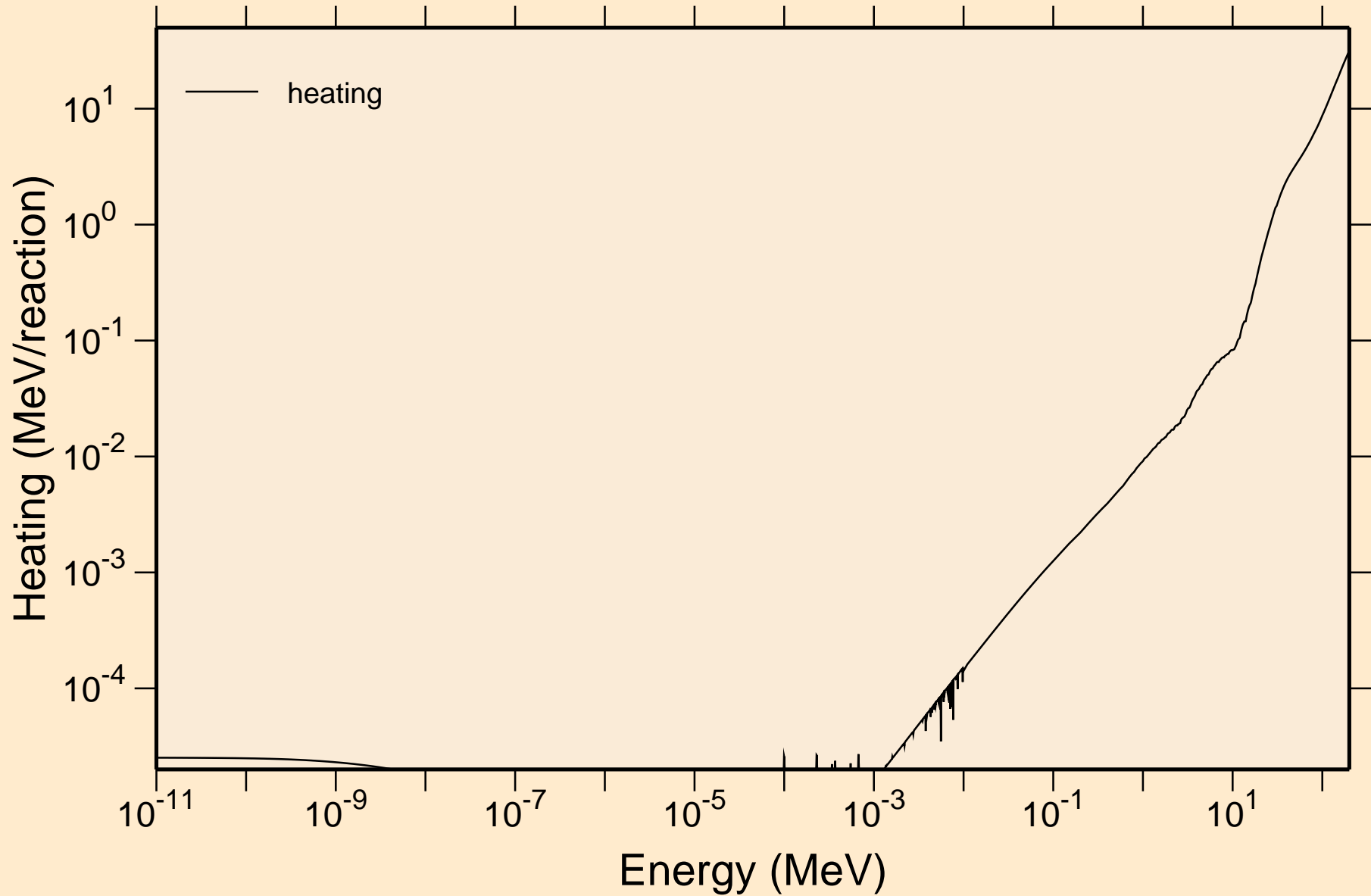




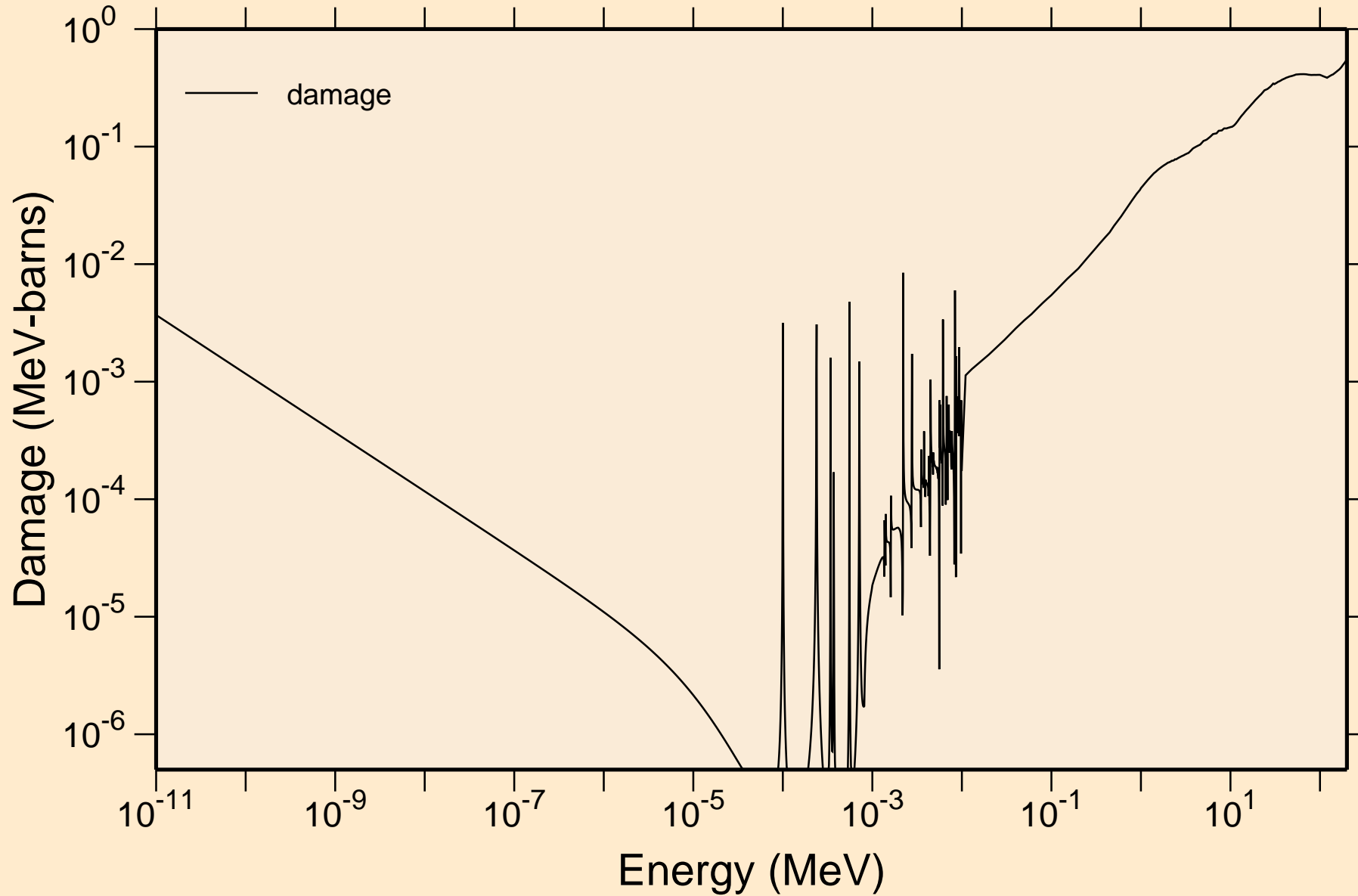
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



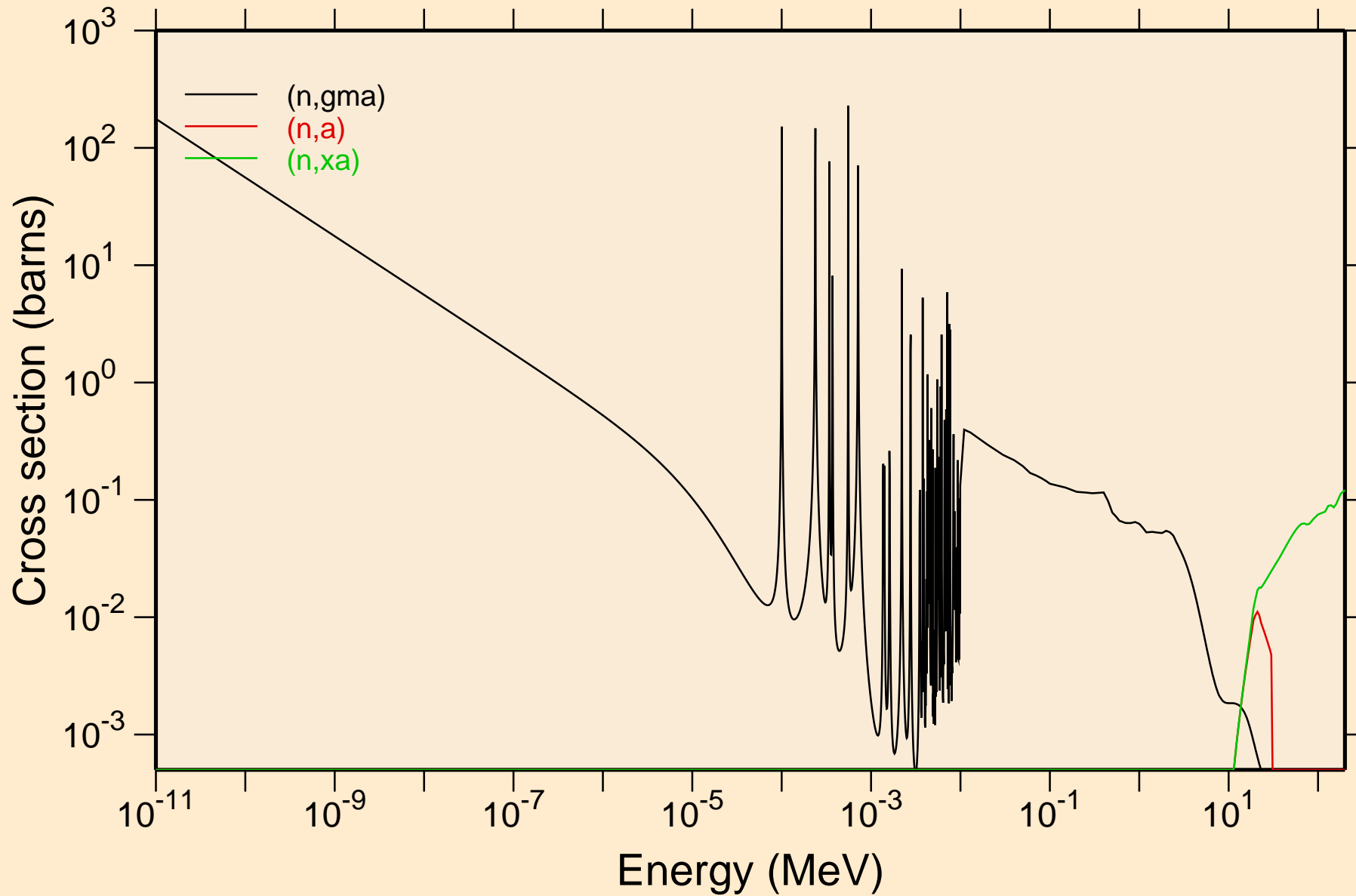
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



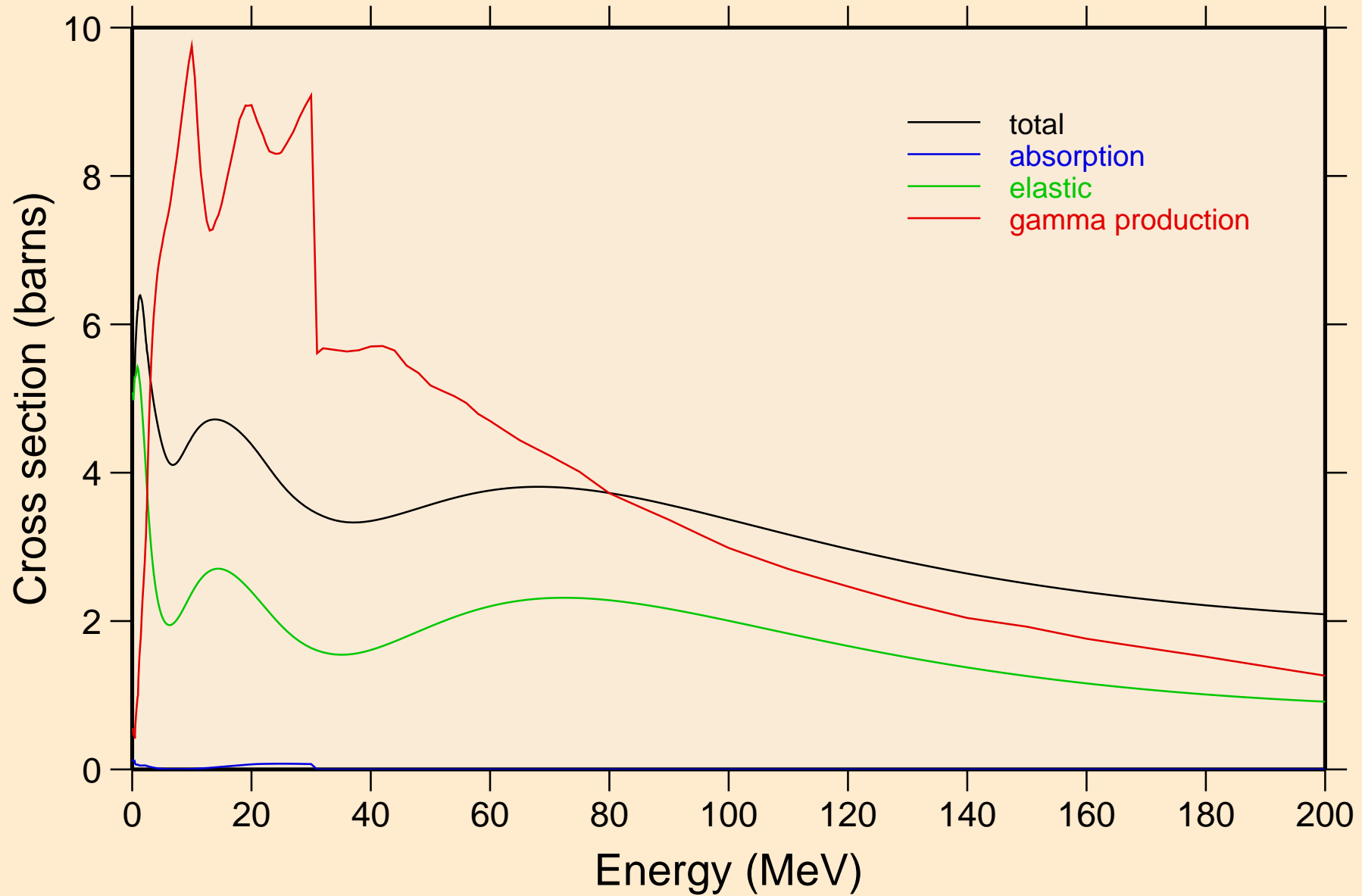
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Damage



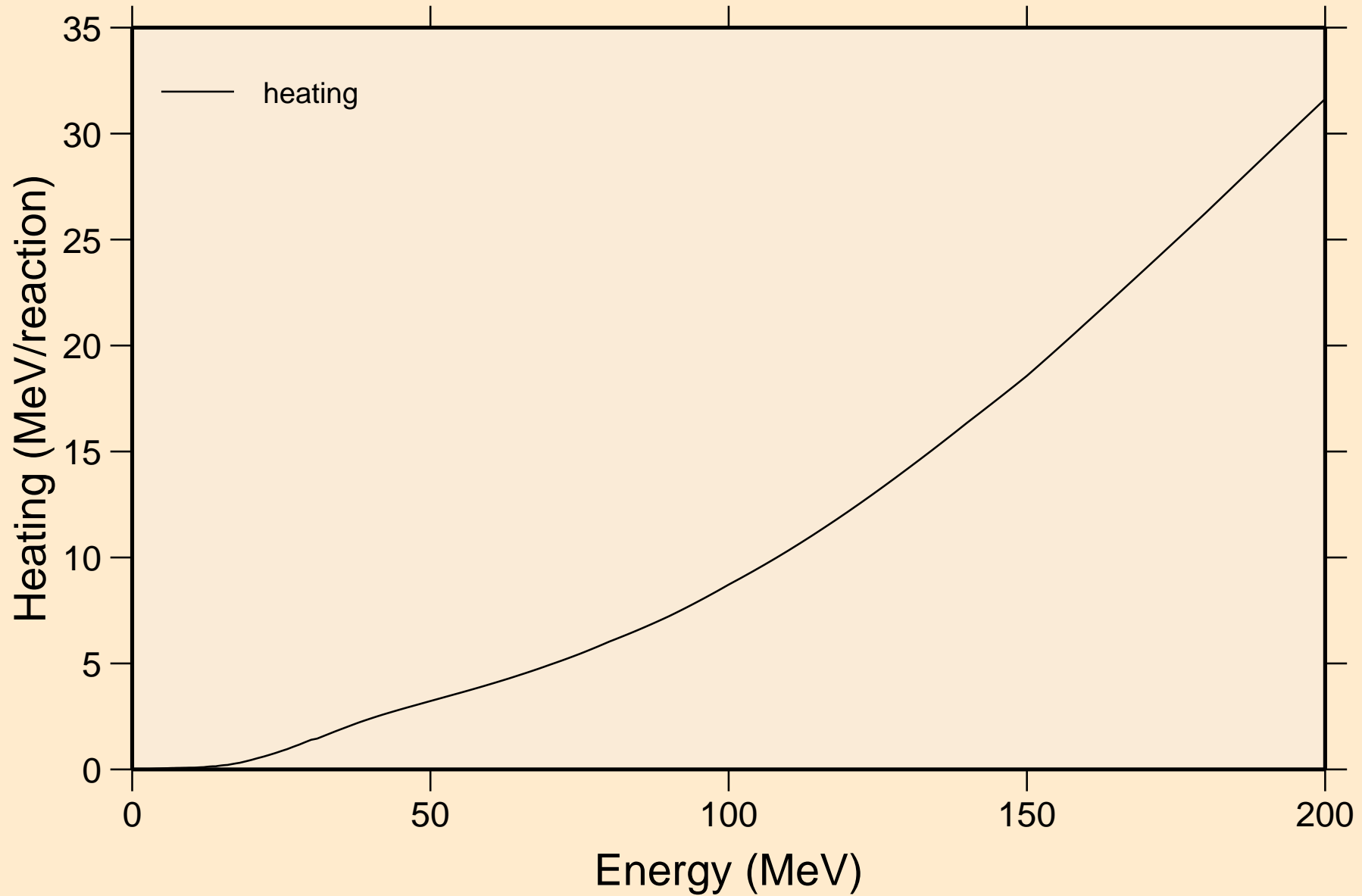
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



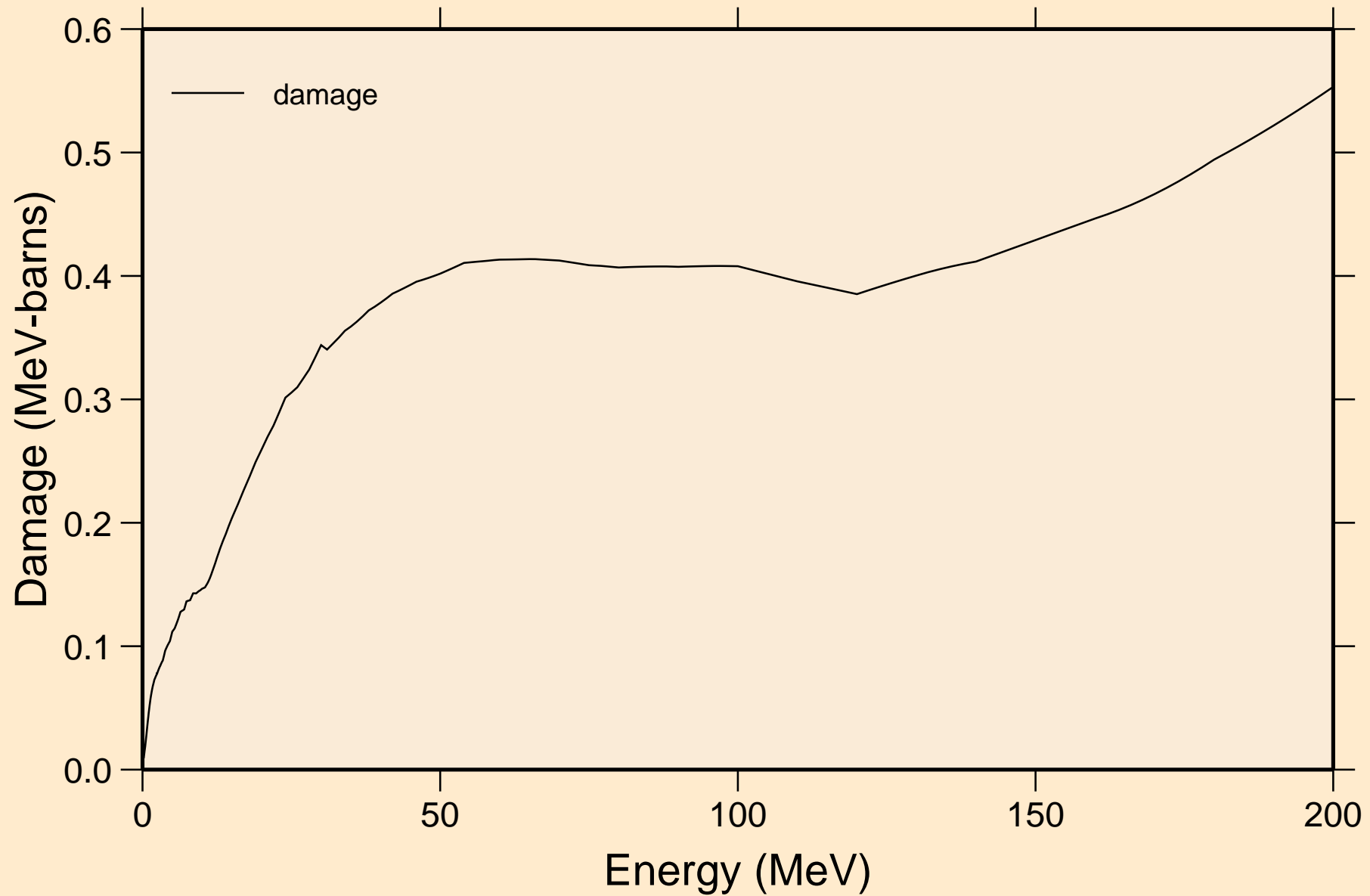
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Principal cross sections



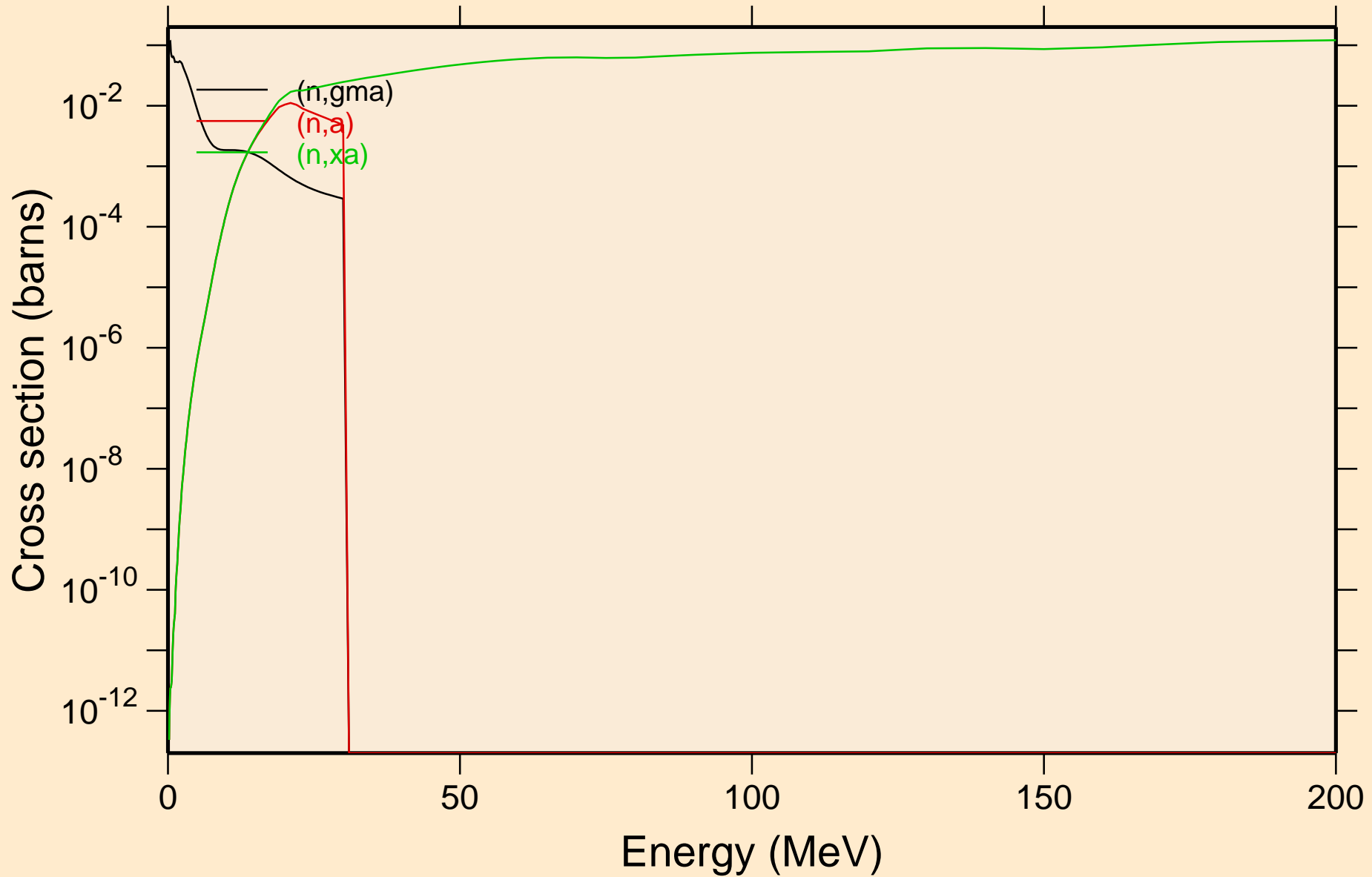
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

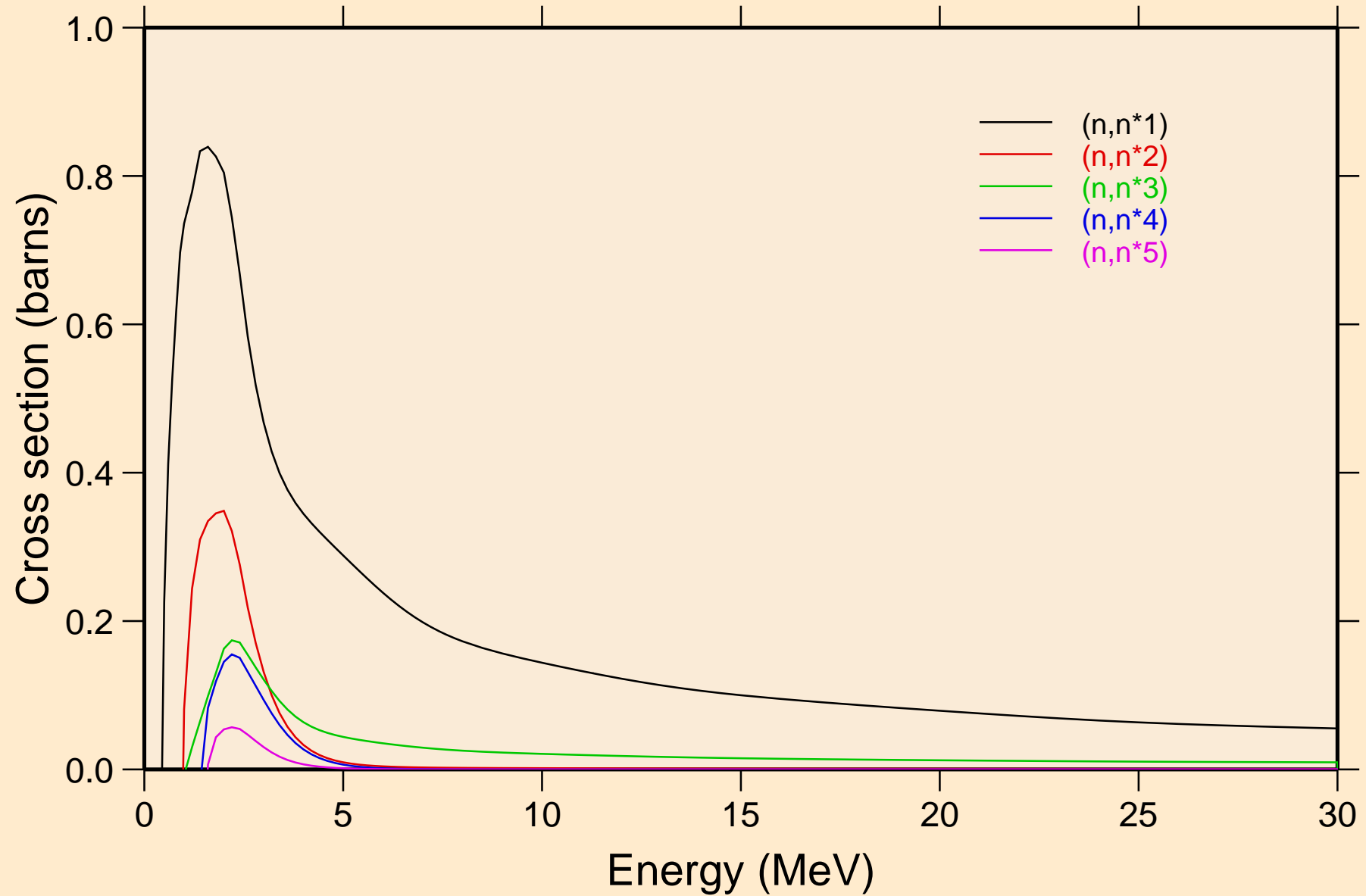


XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

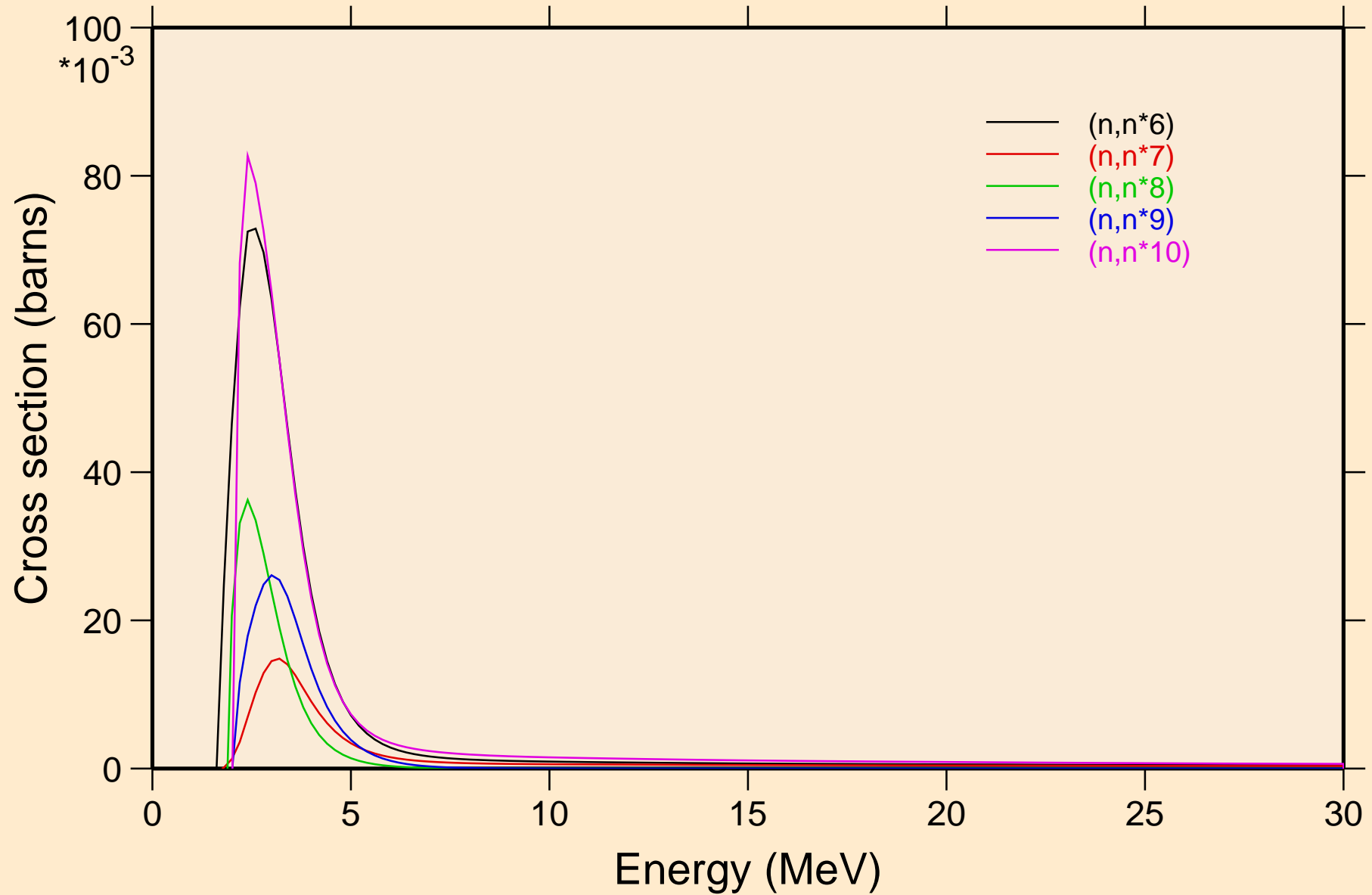




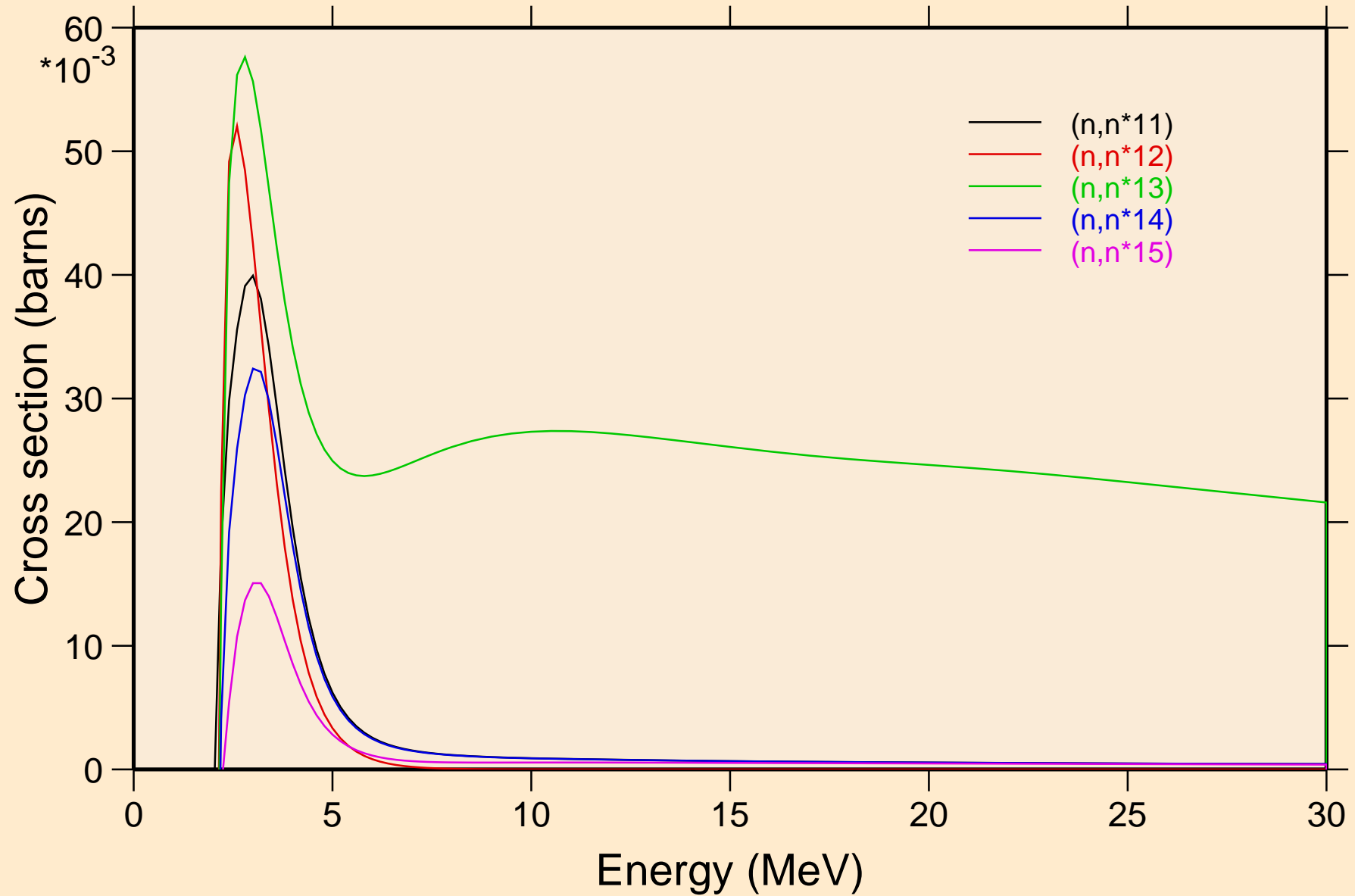
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



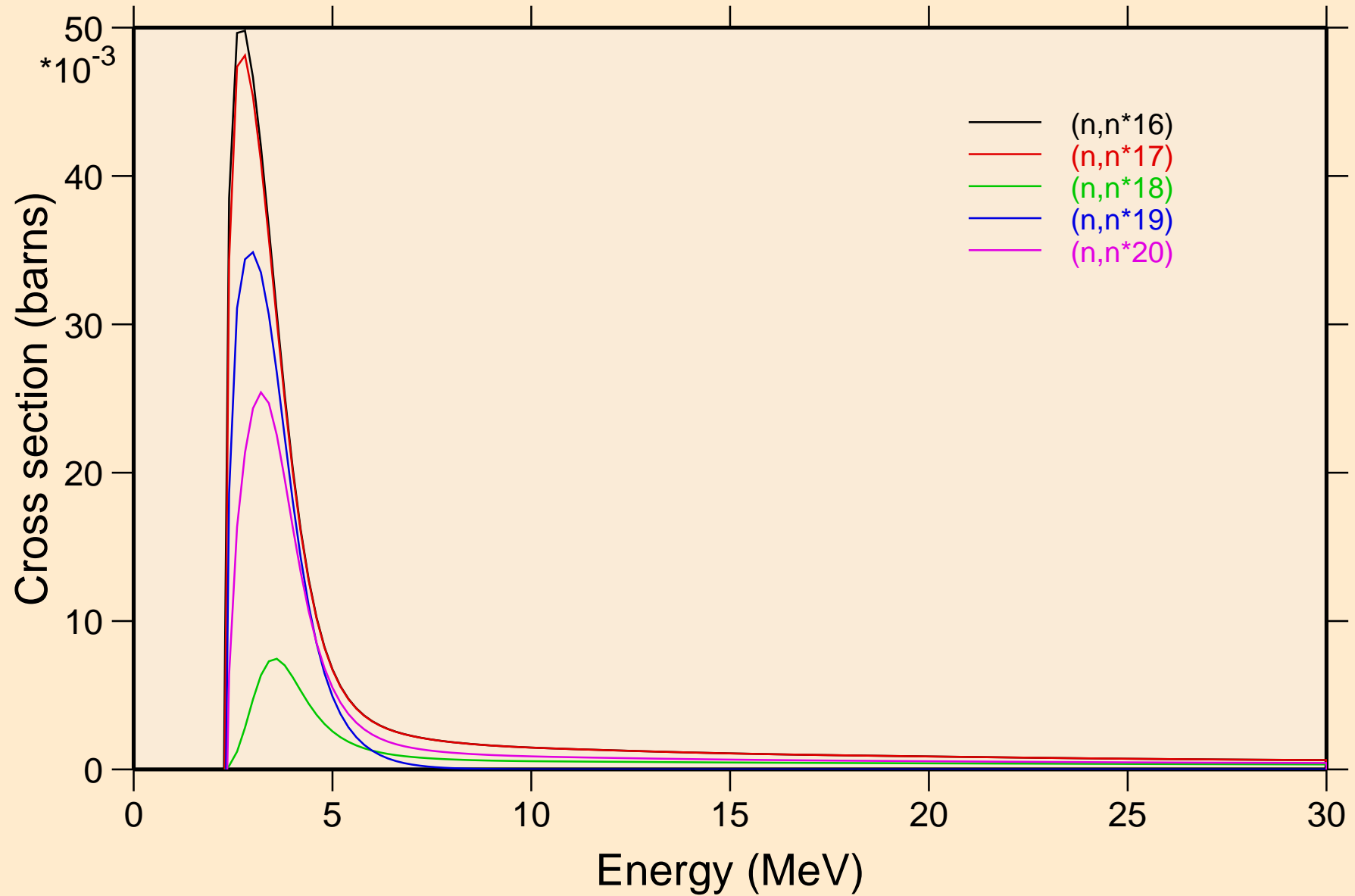
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



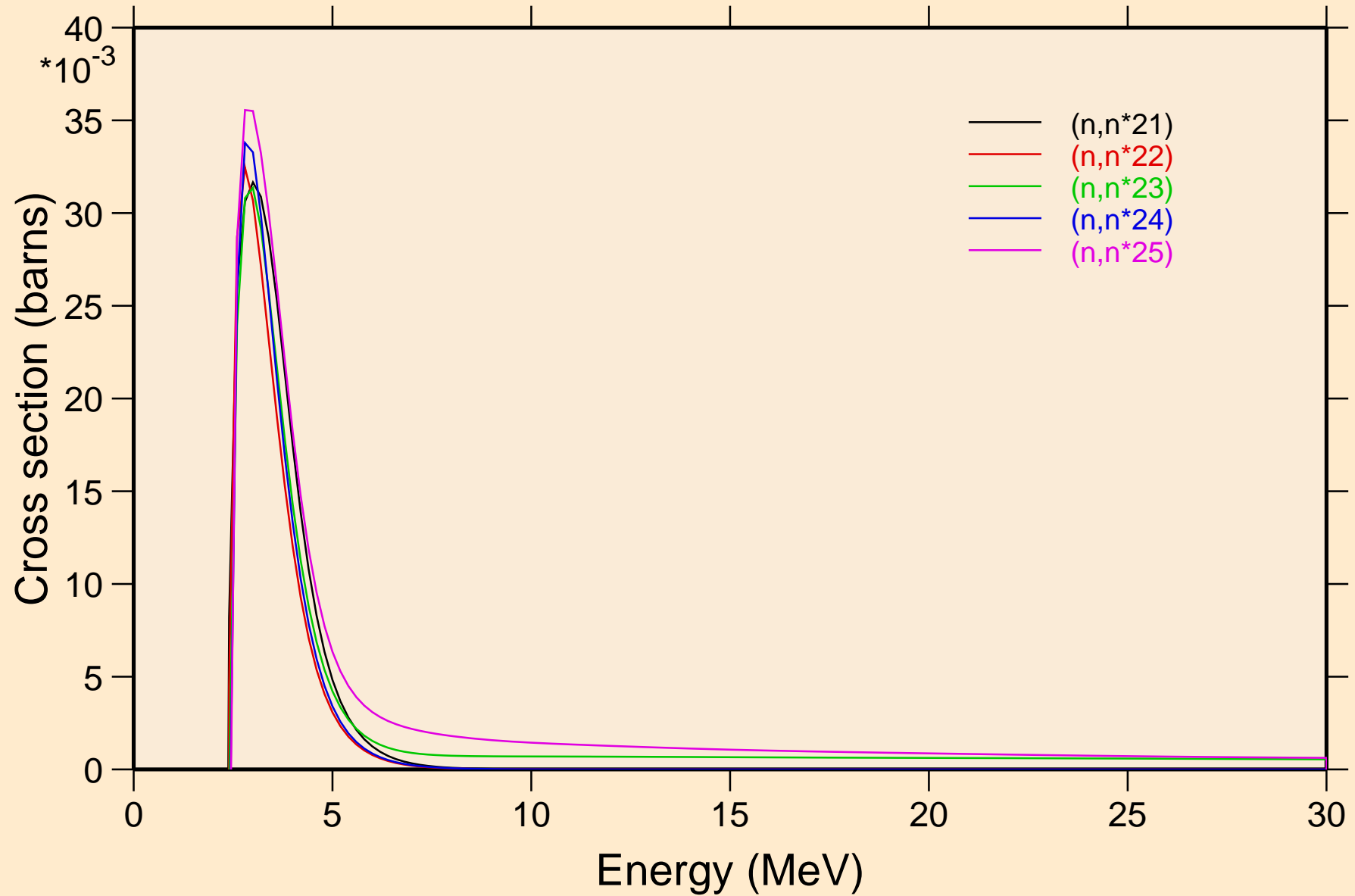
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



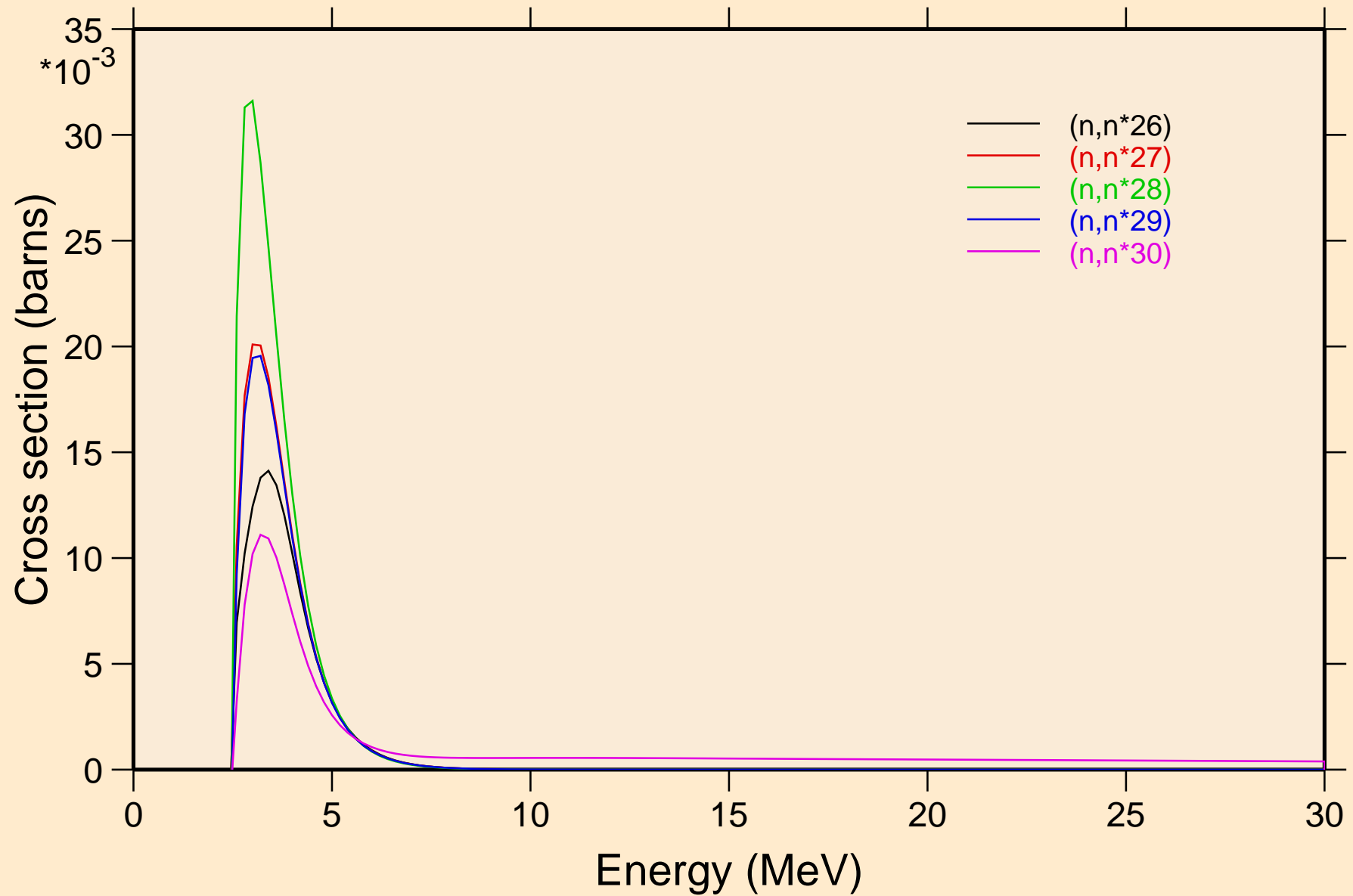
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



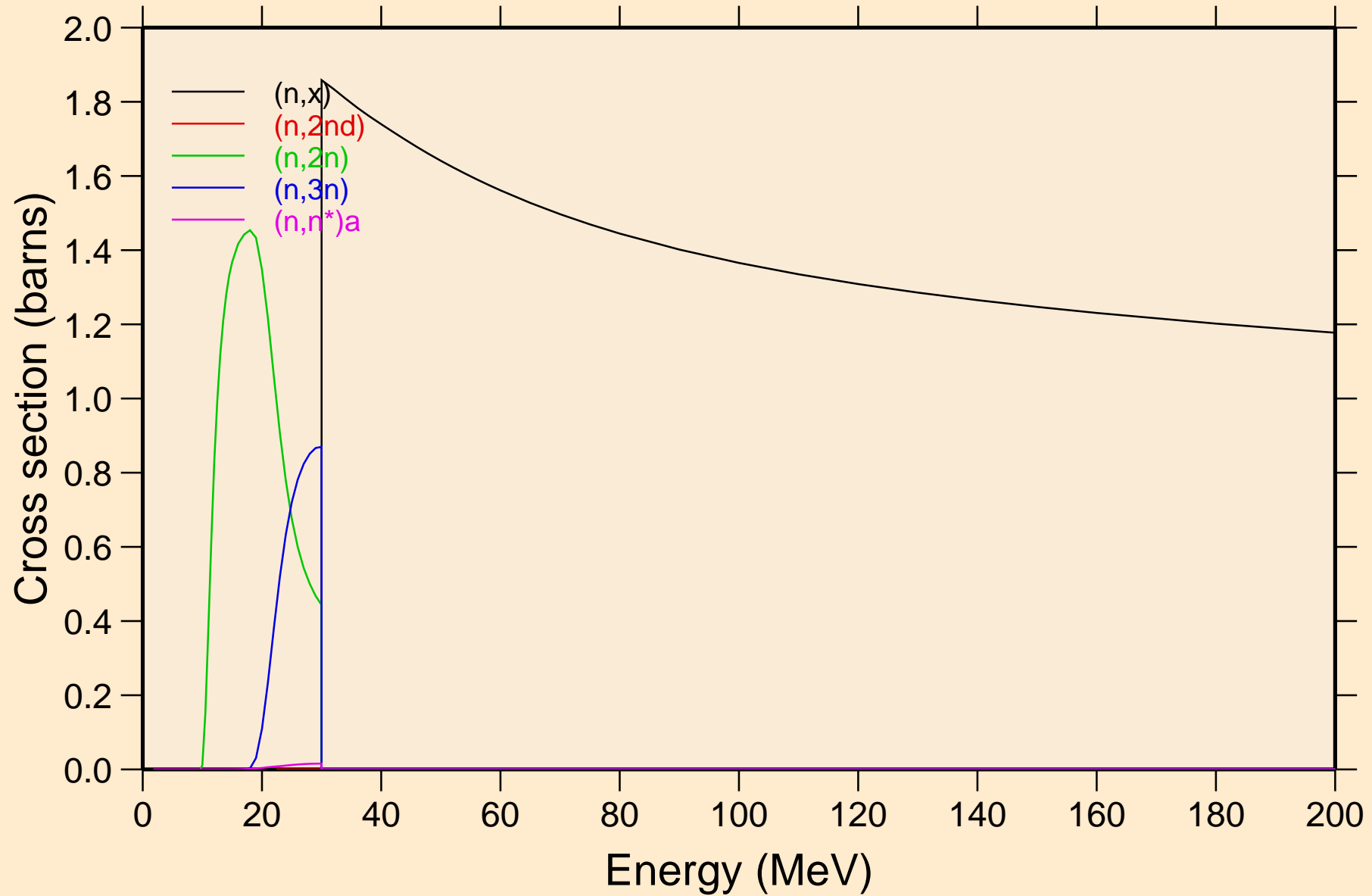
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



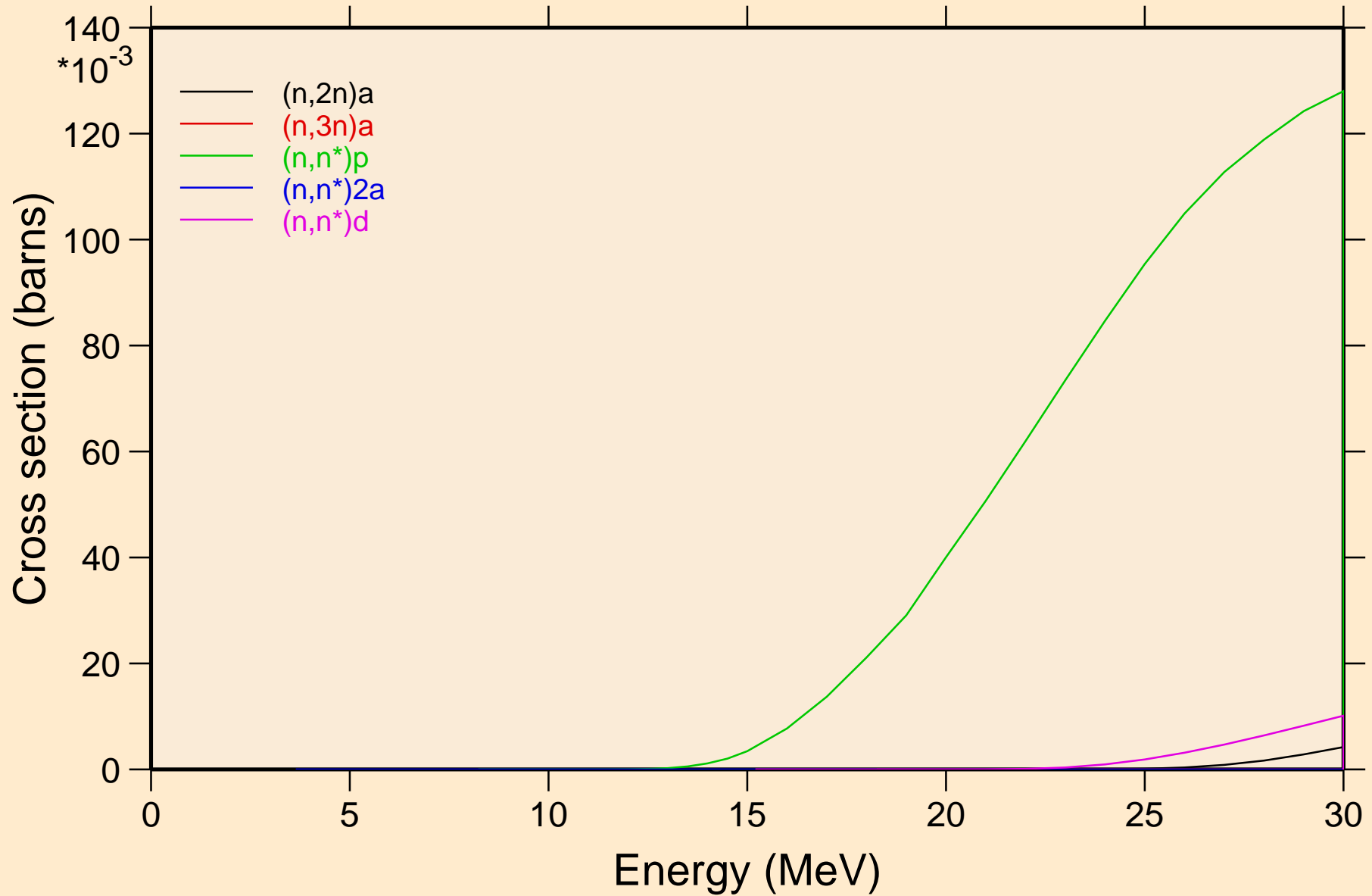
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

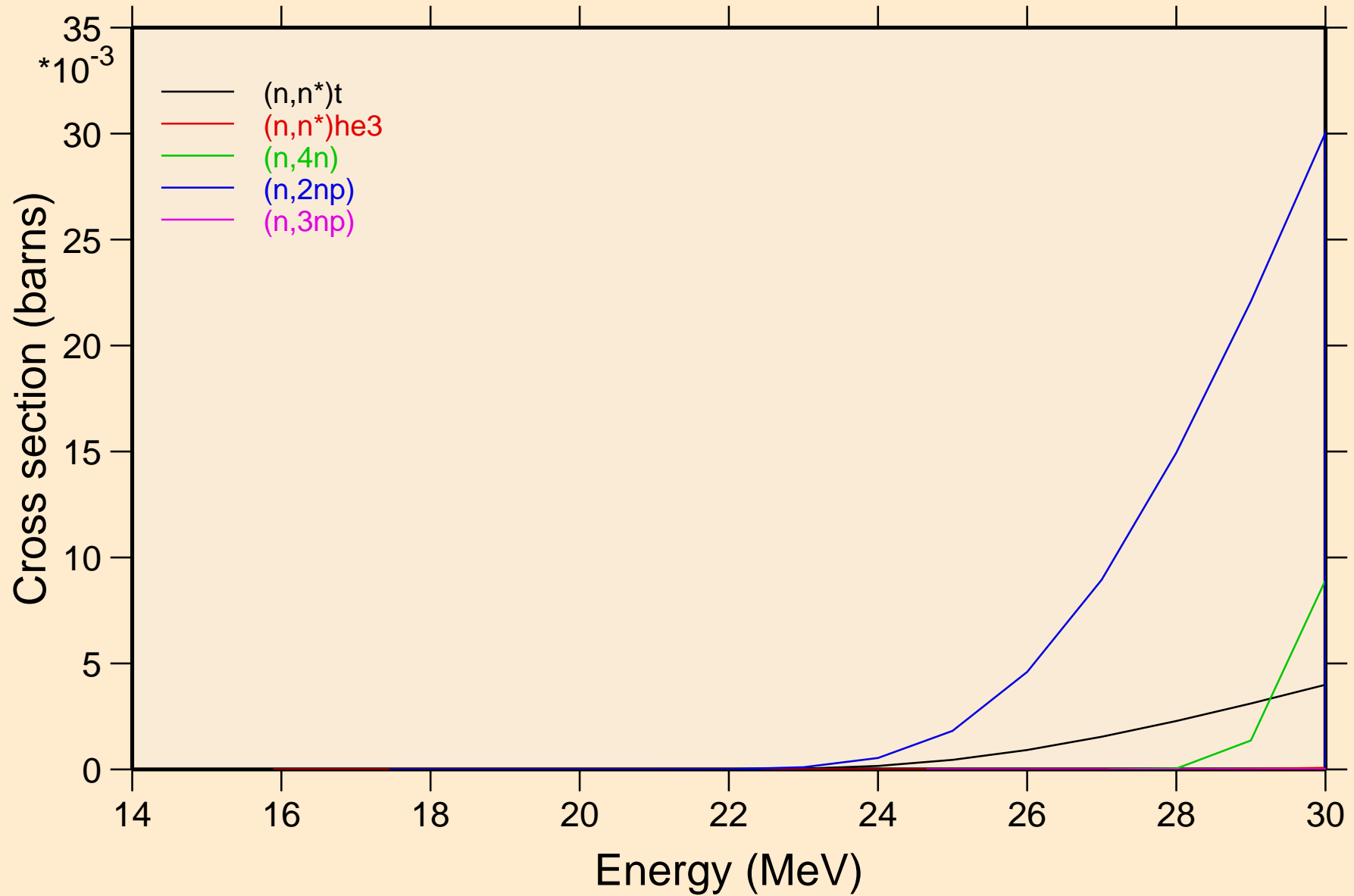


XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

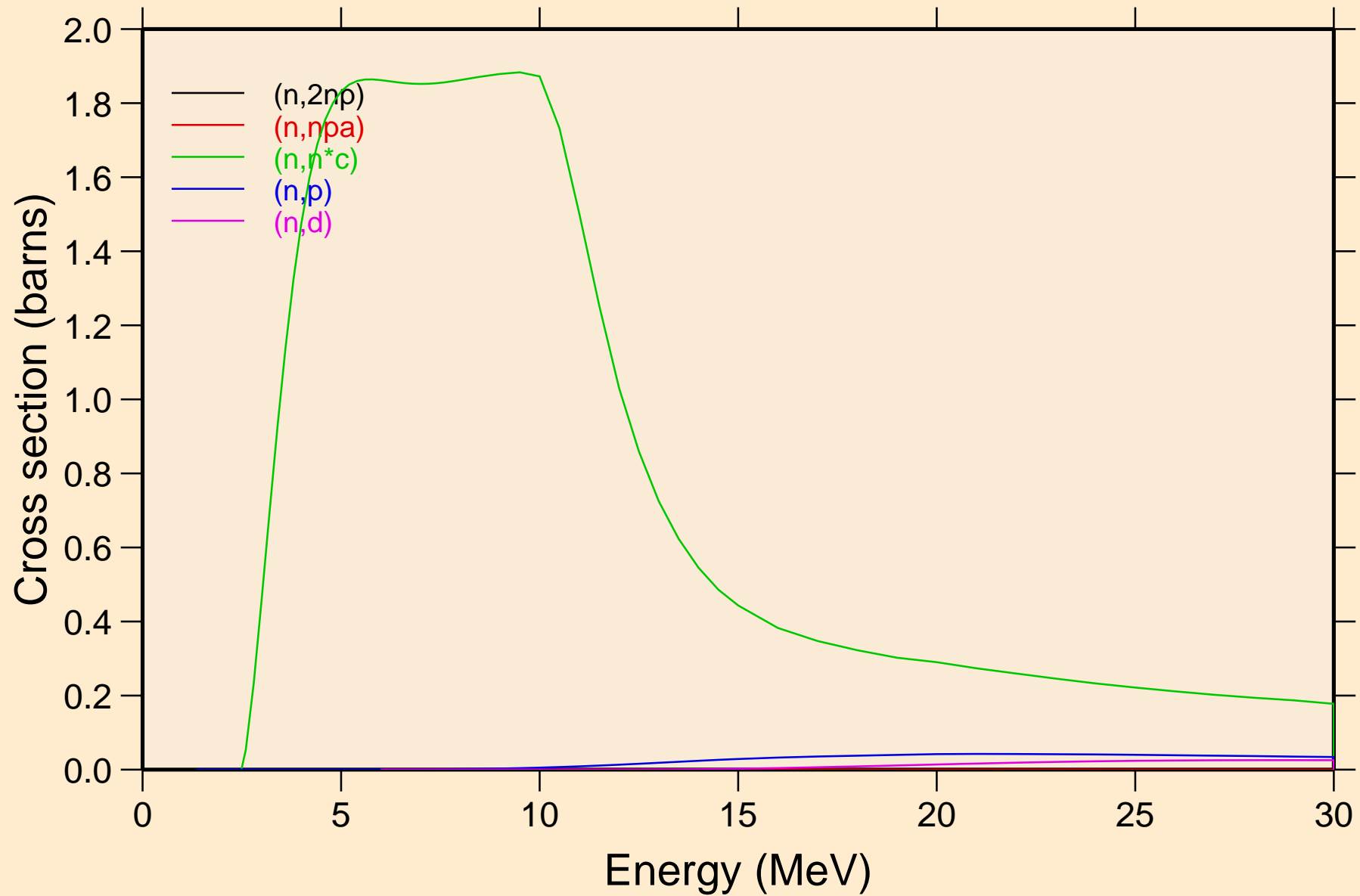




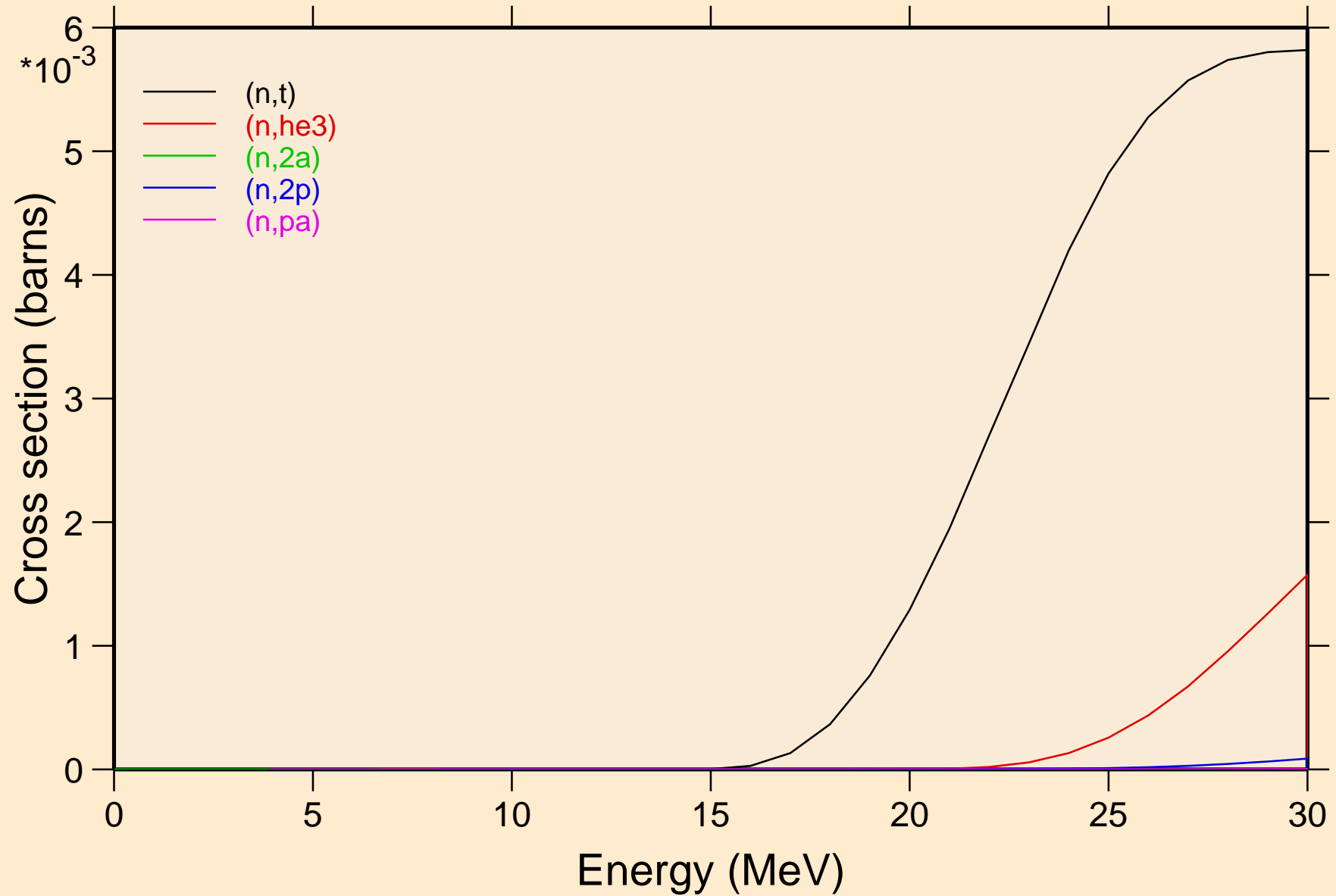
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

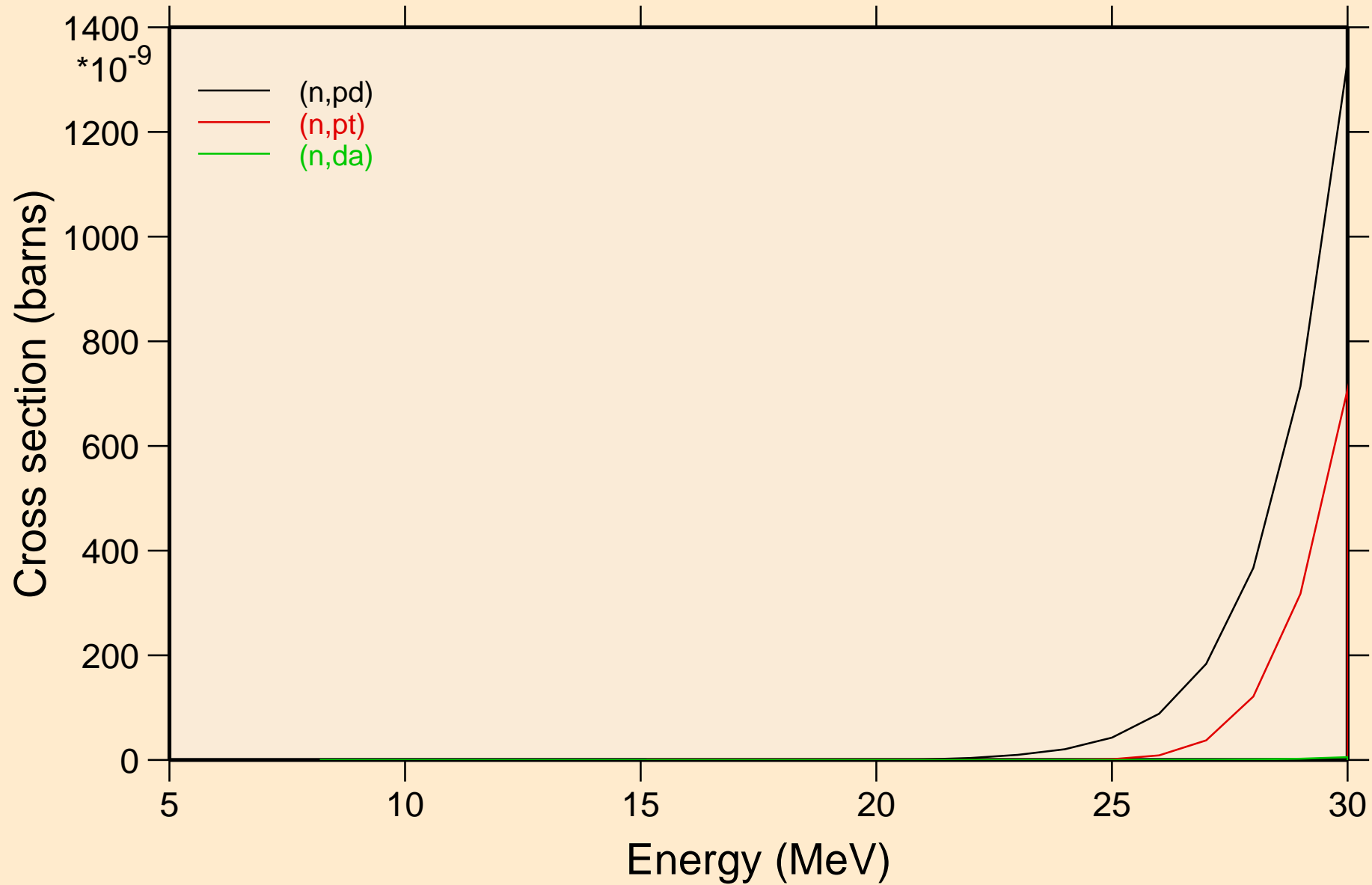


XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

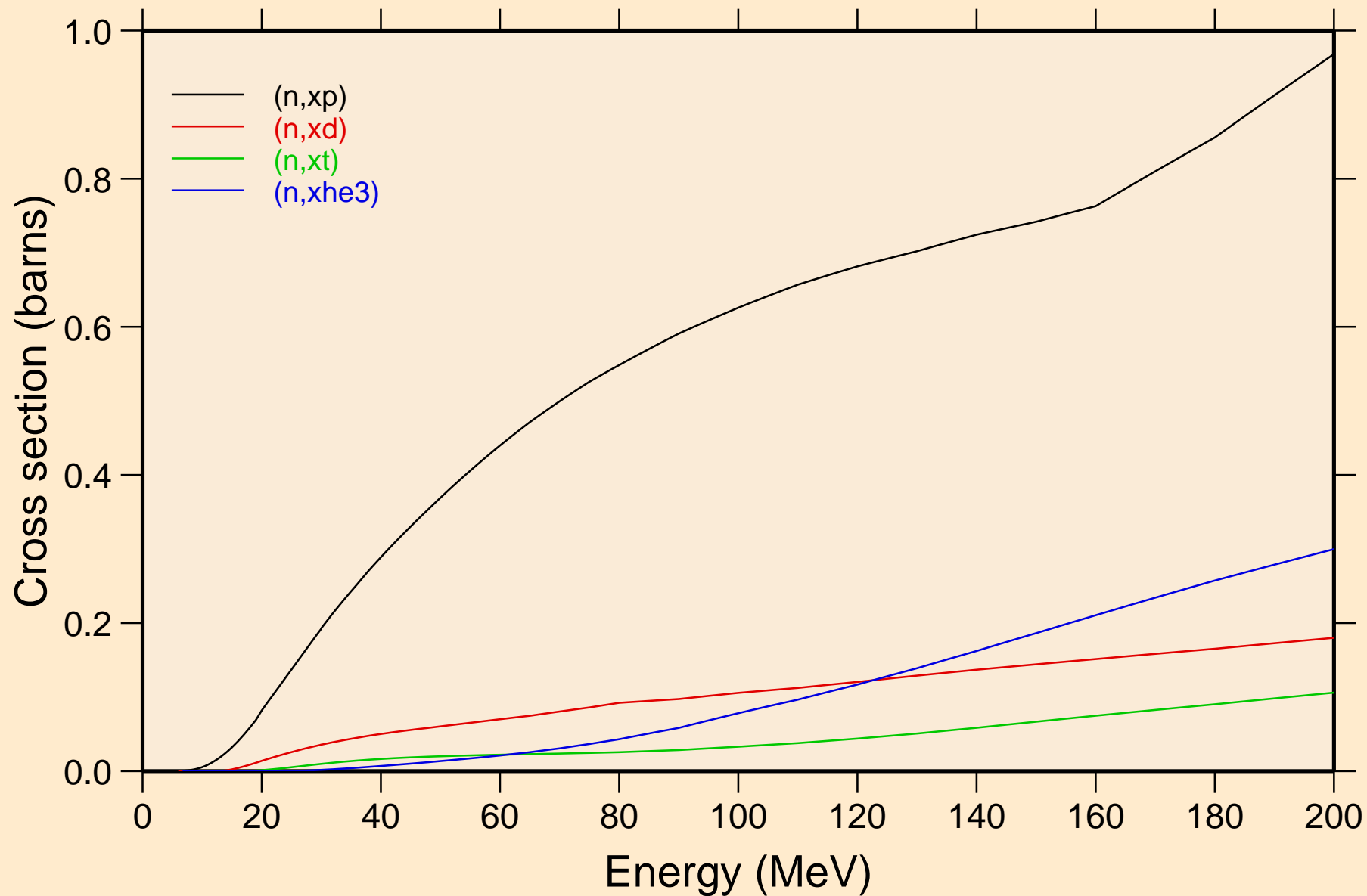


# XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

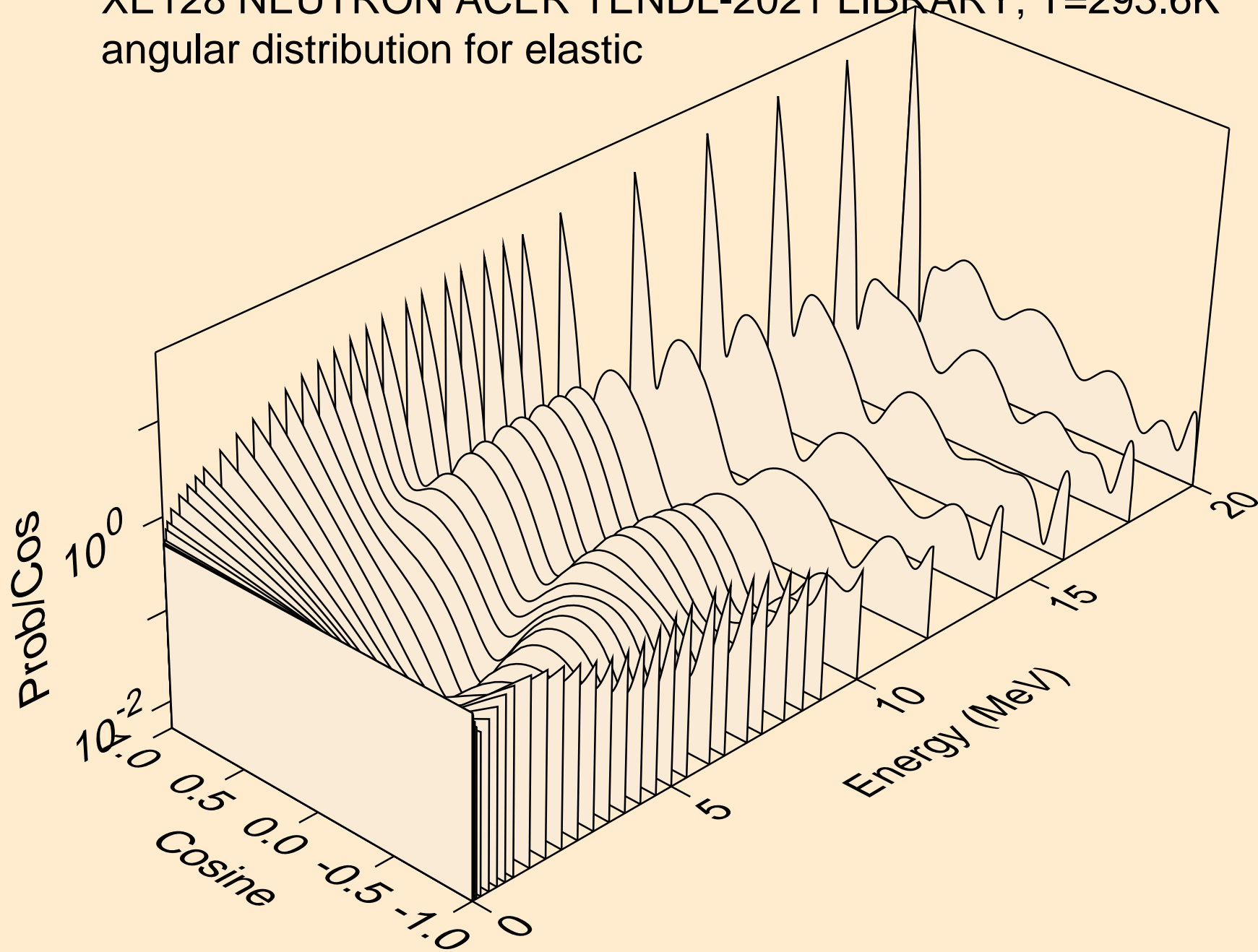
## Threshold reactions



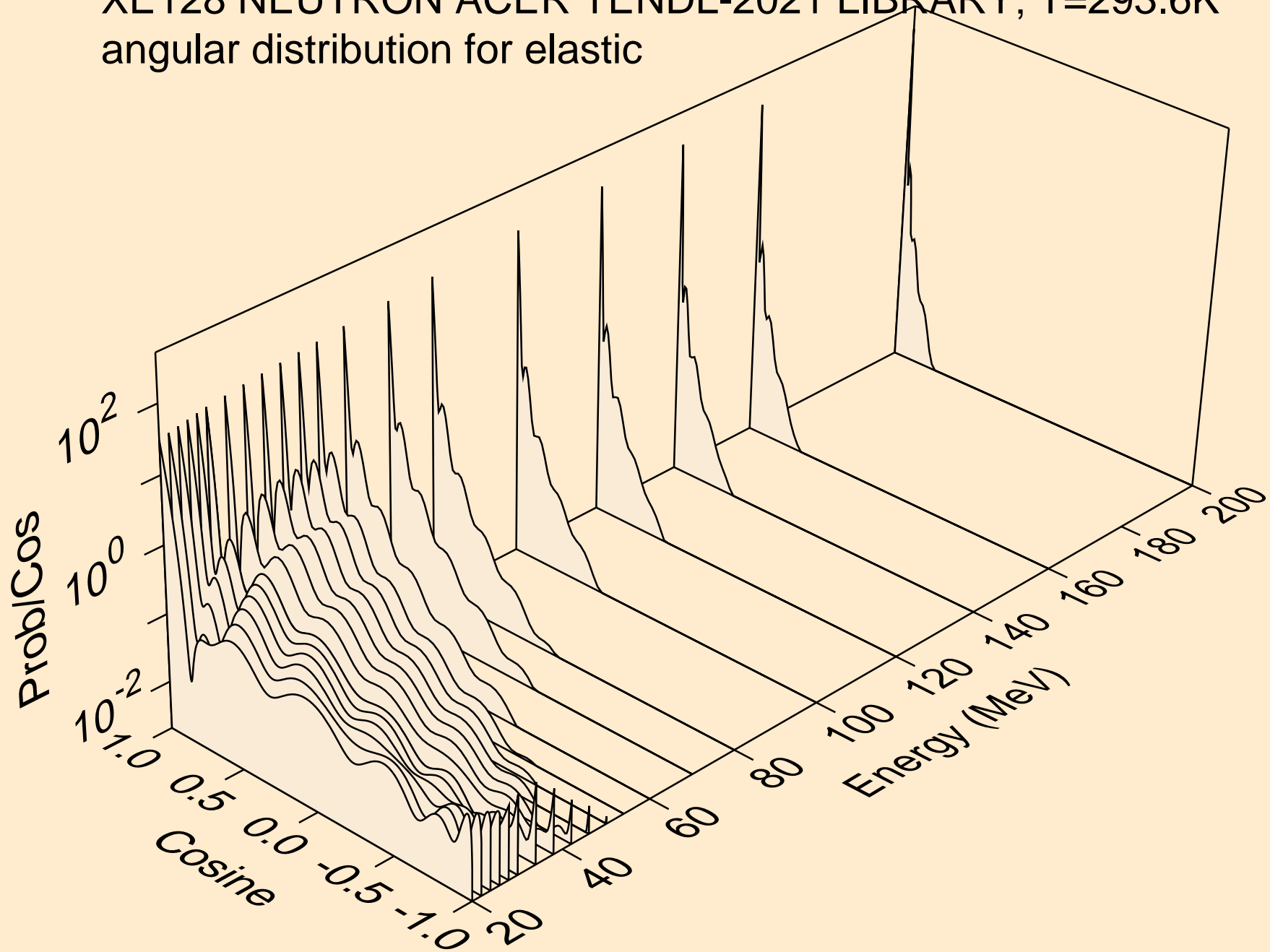
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



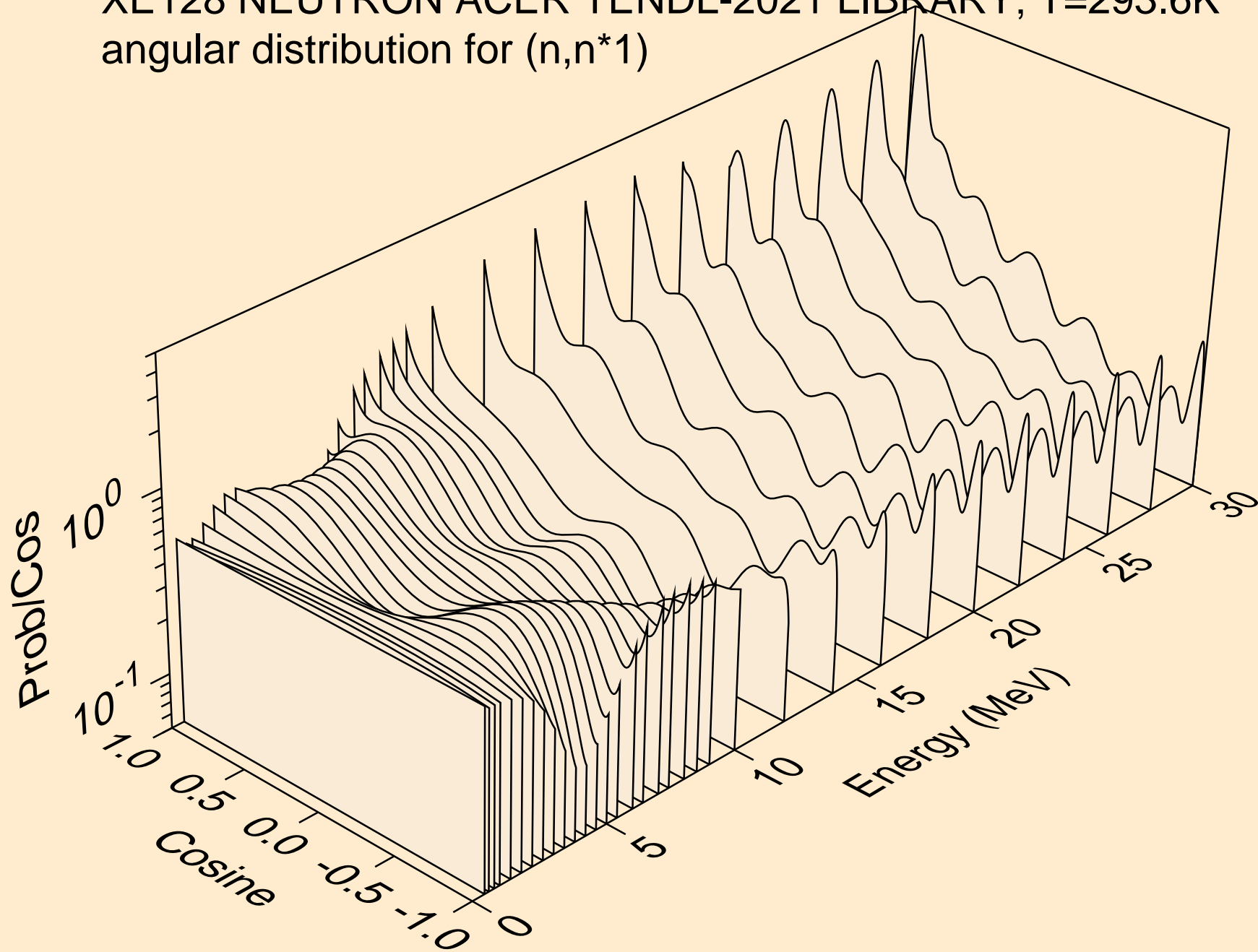
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic

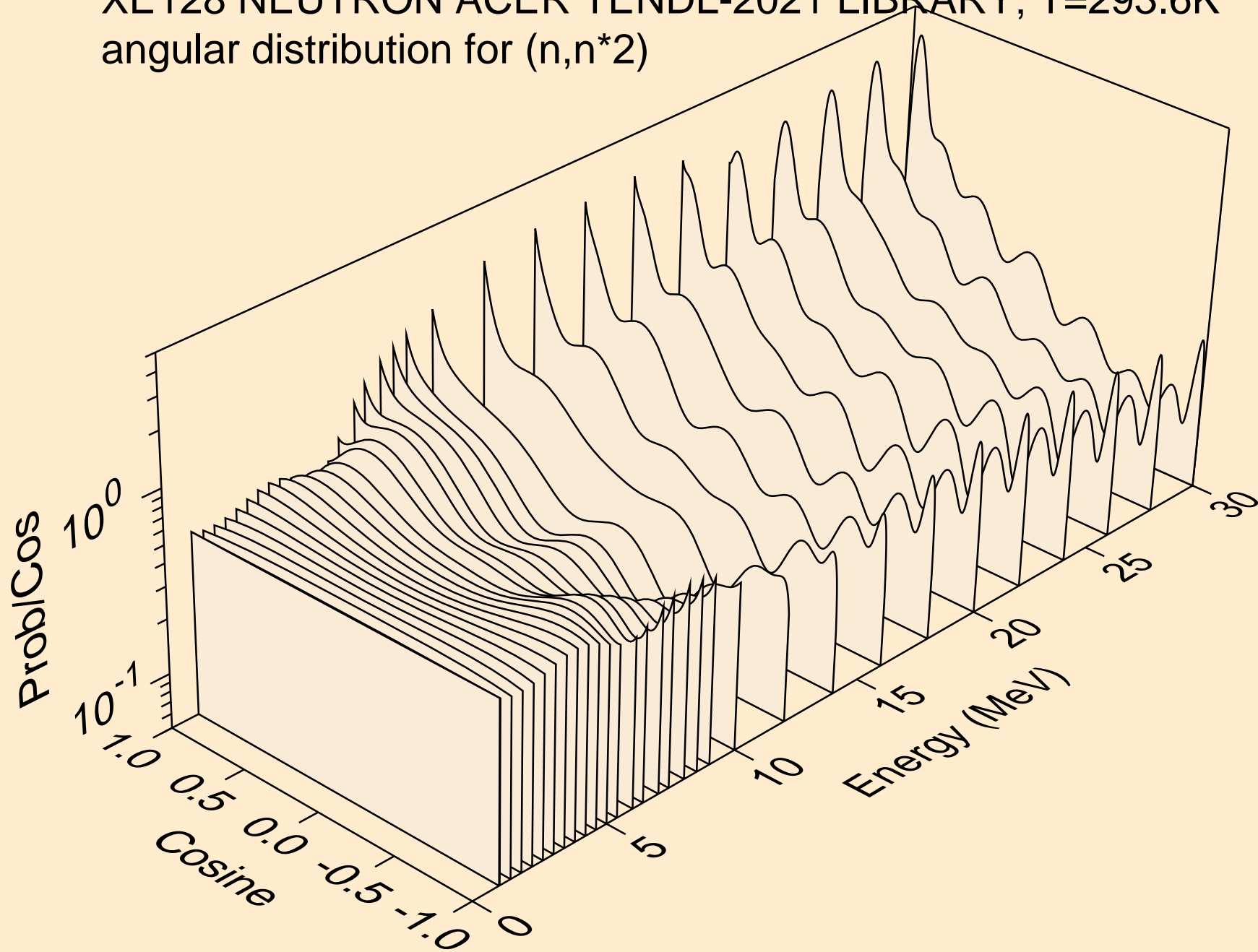


XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)

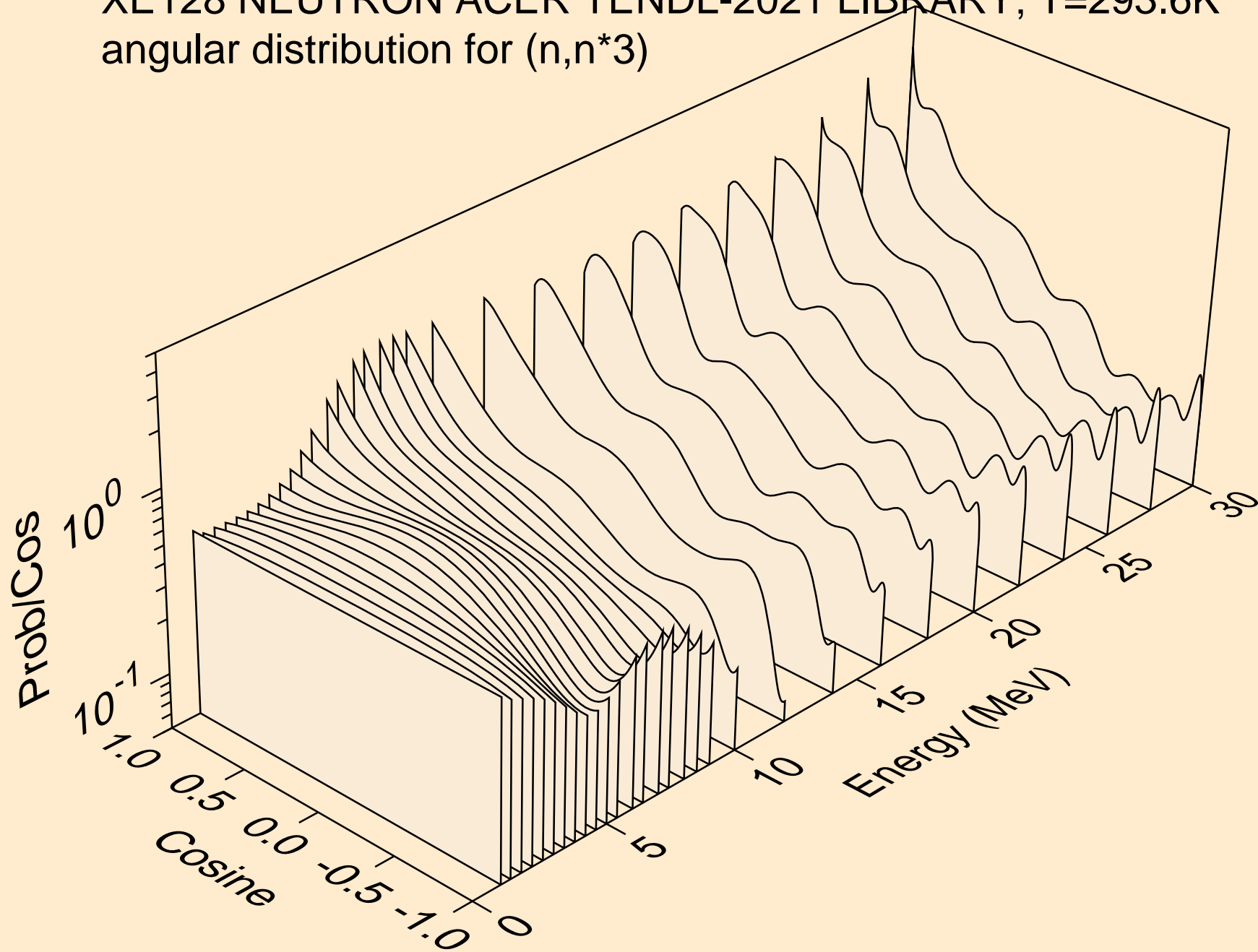




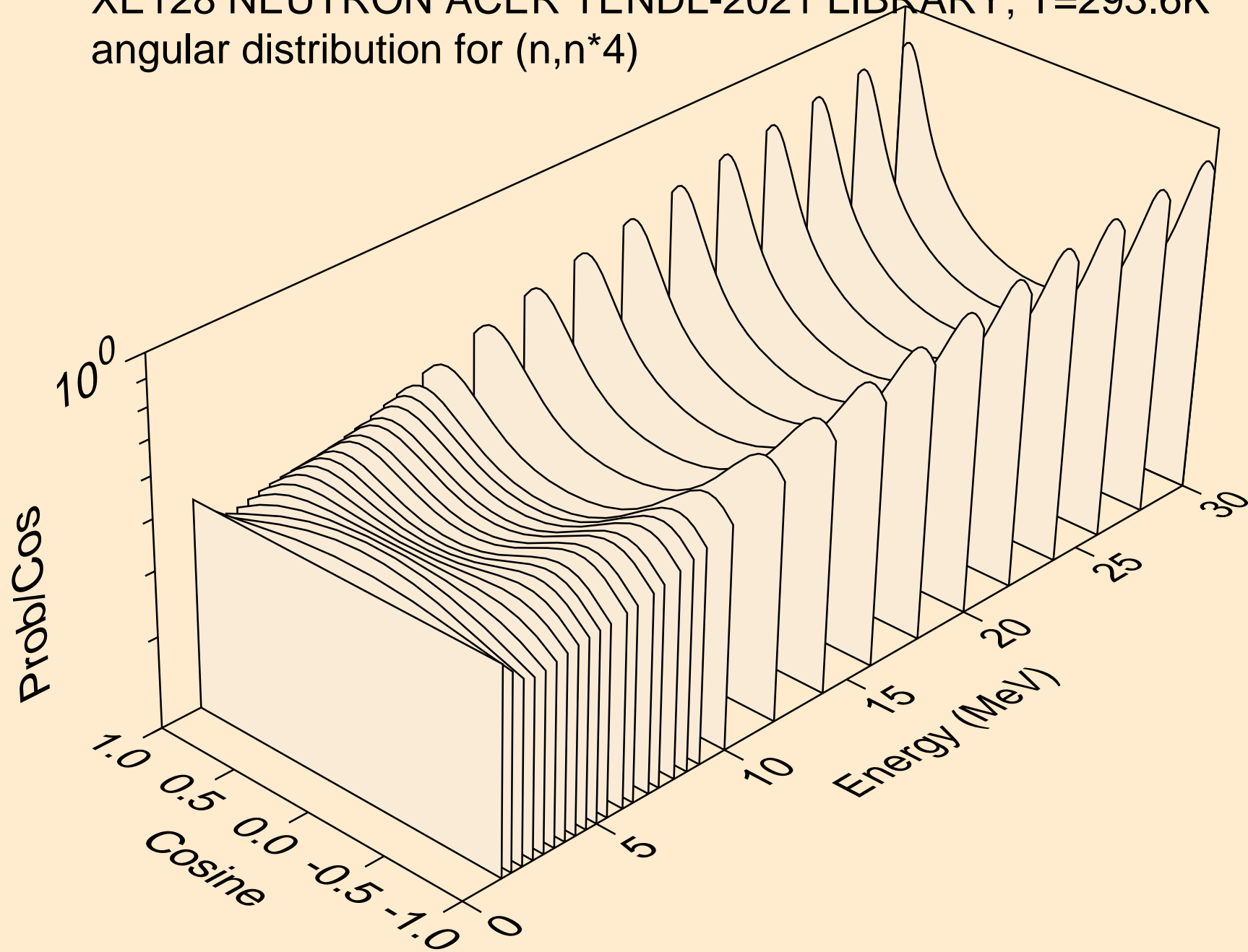
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angular distribution for (n,n\*2)



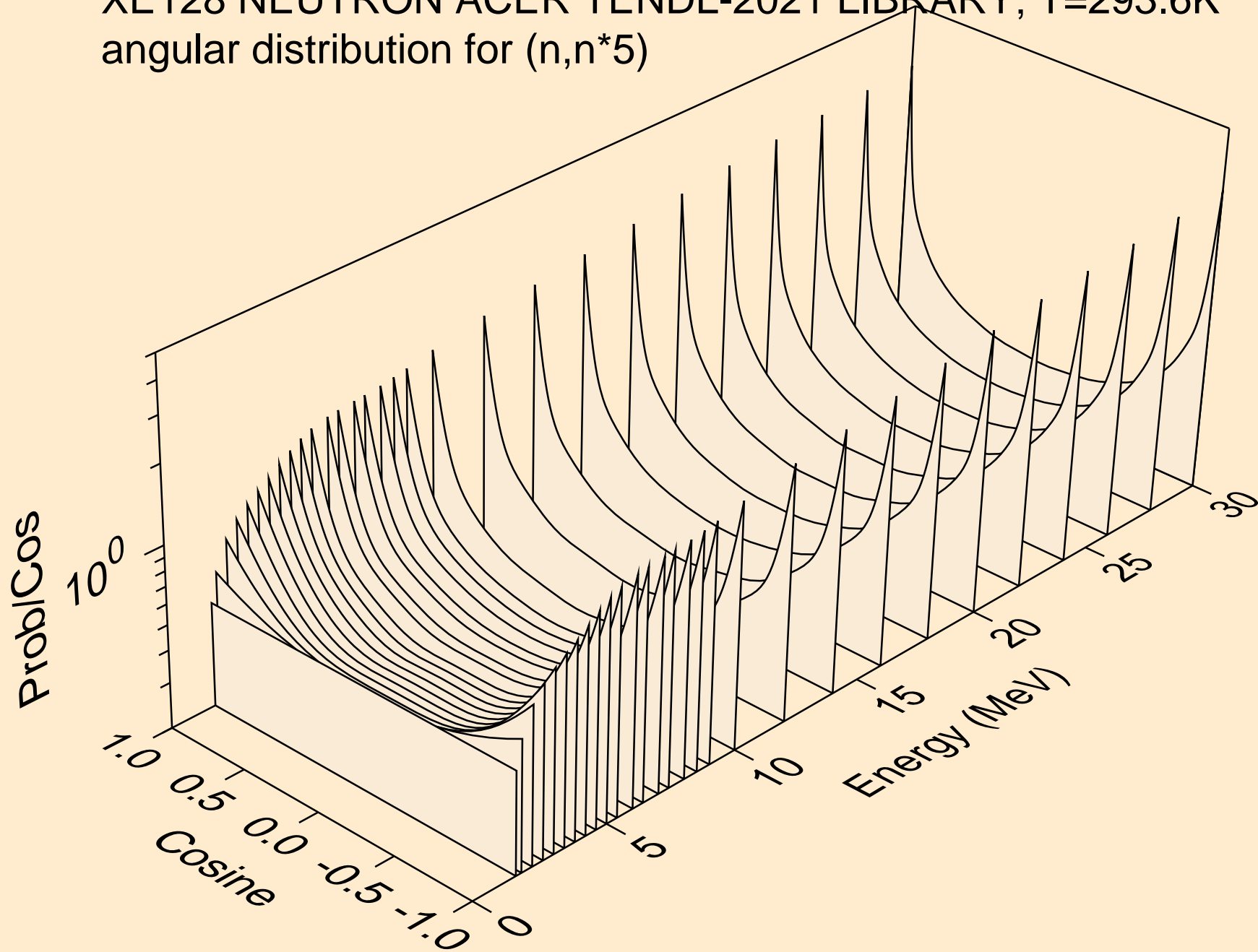
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)



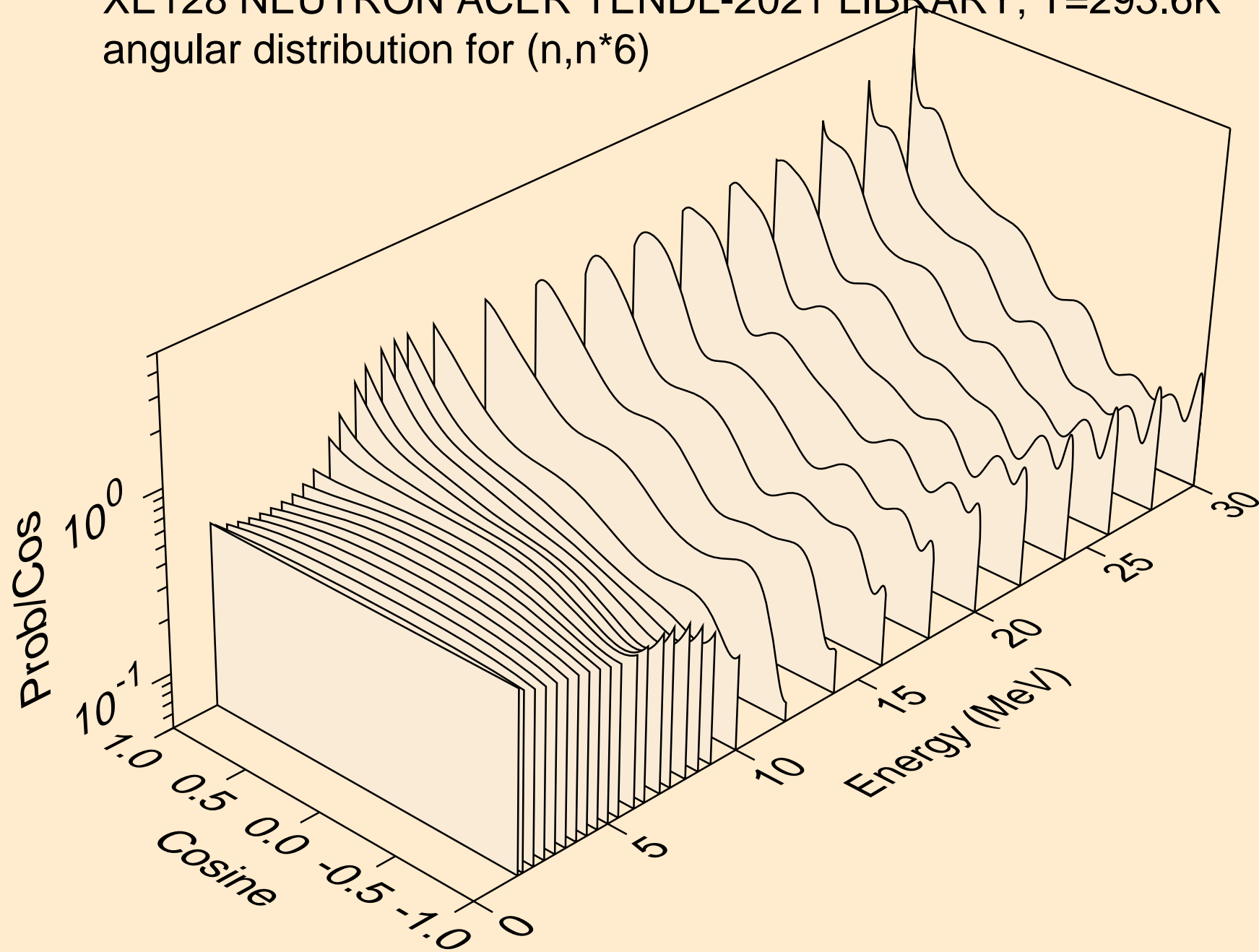
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angular distribution for (n,n\*4)



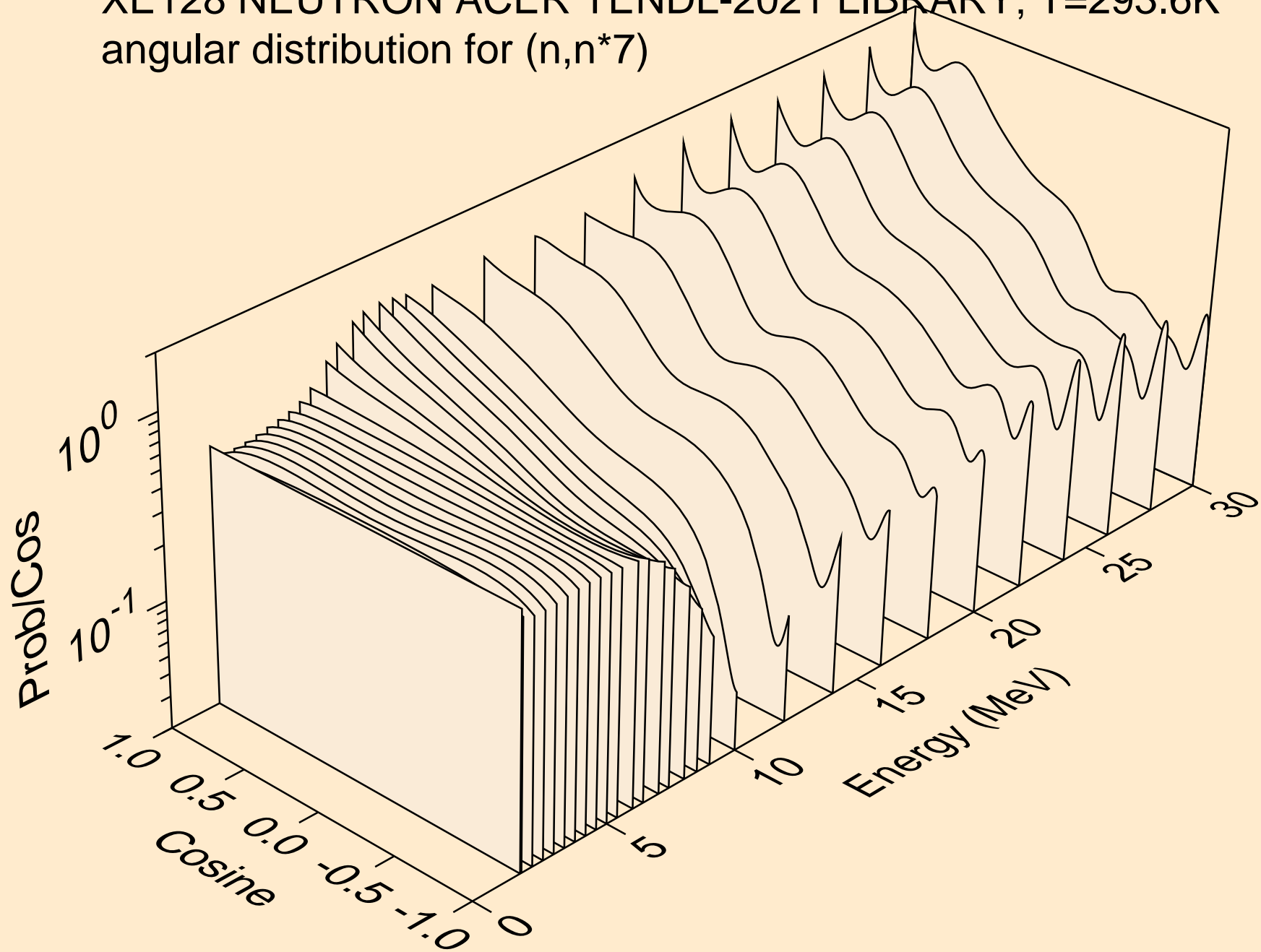
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angular distribution for (n,n\*5)



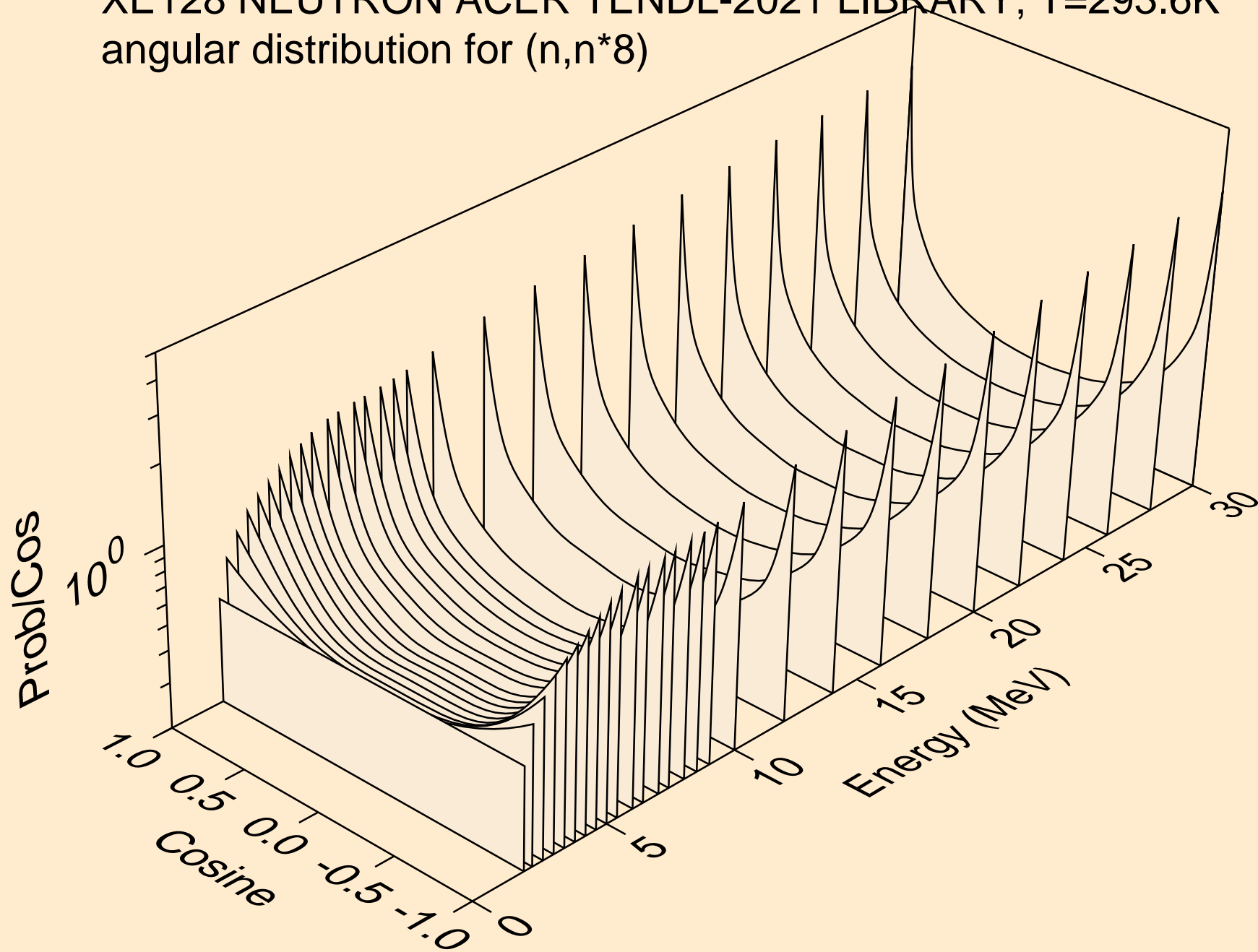
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angular distribution for (n,n\*6)



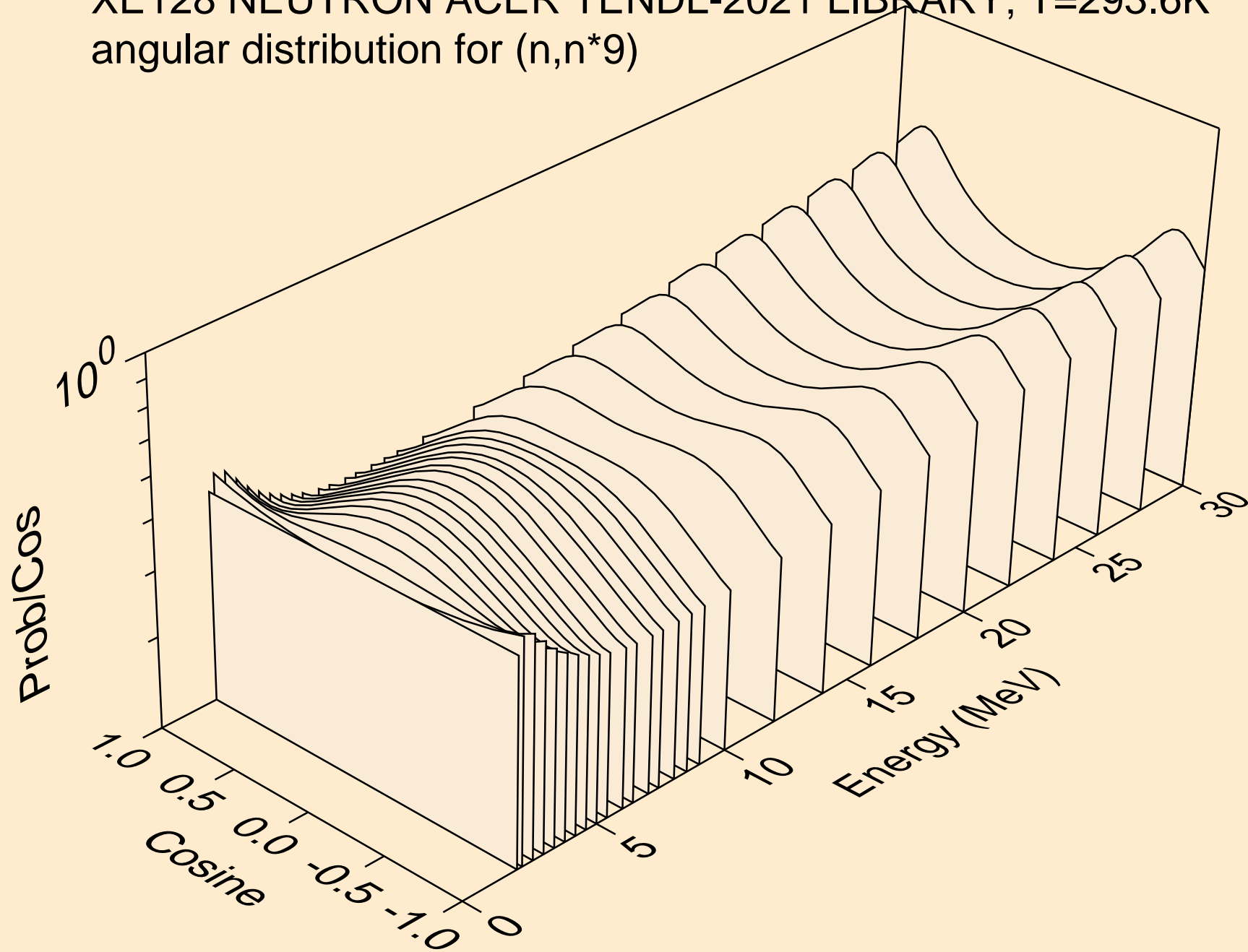
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*7)



XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*8)

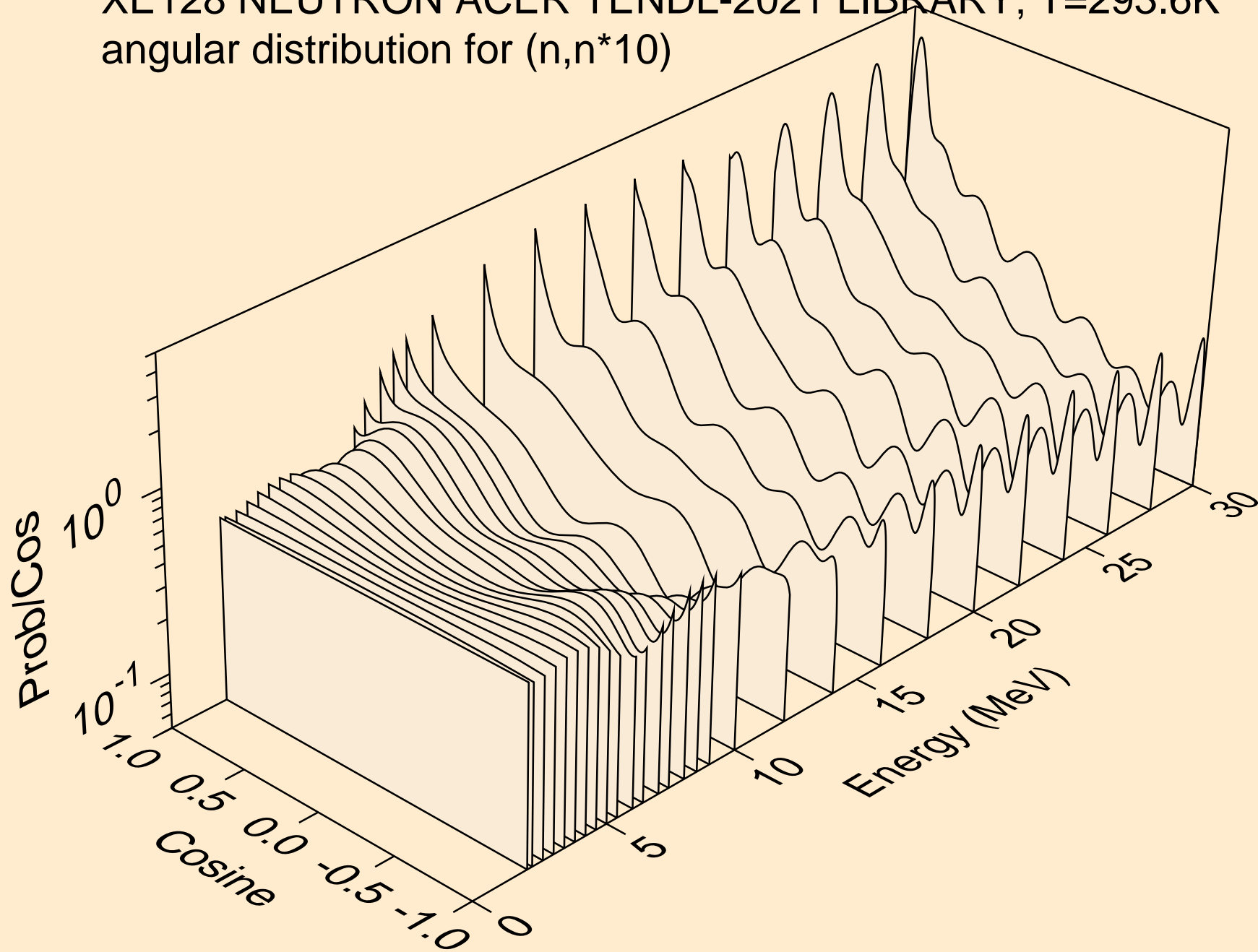


XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*9)

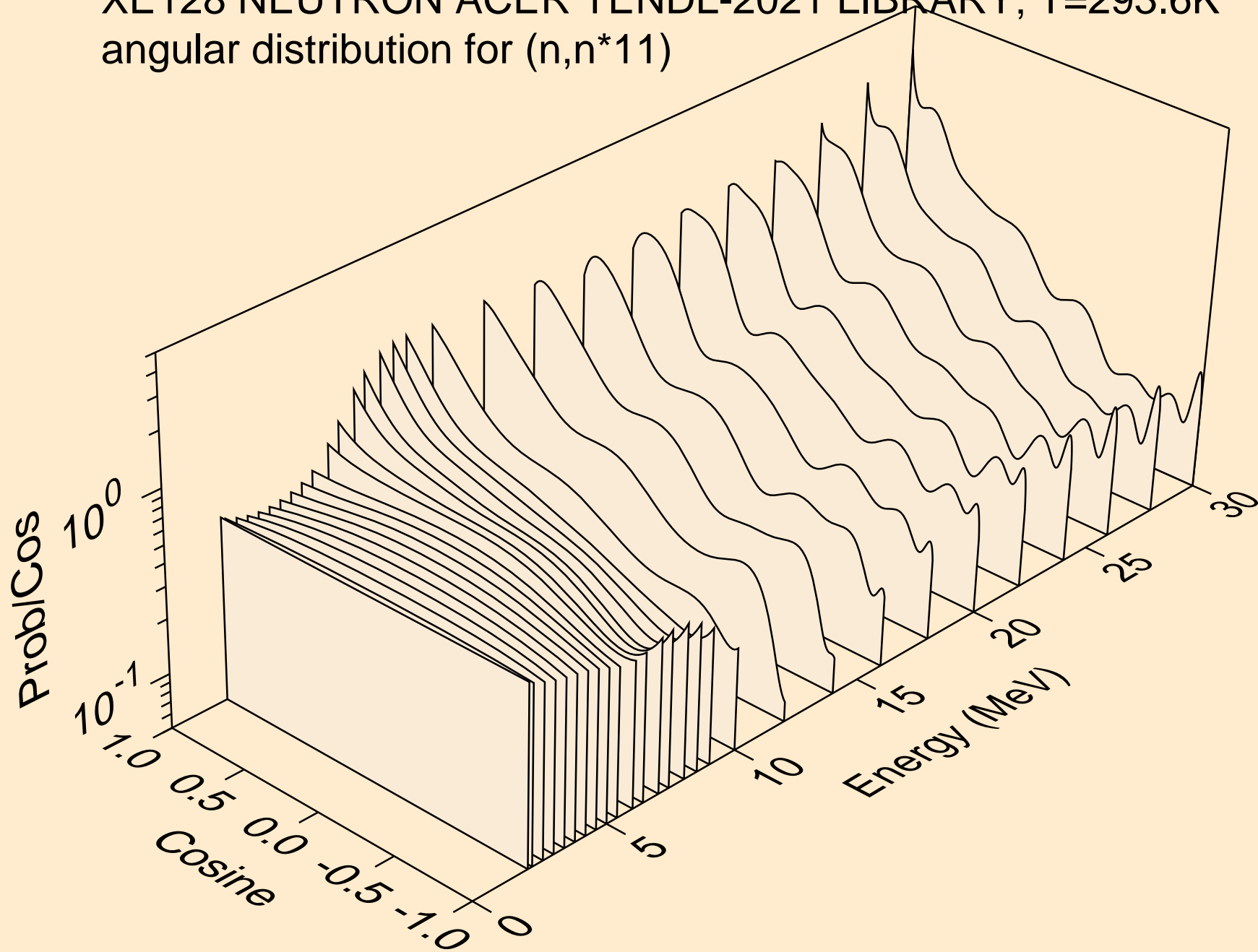




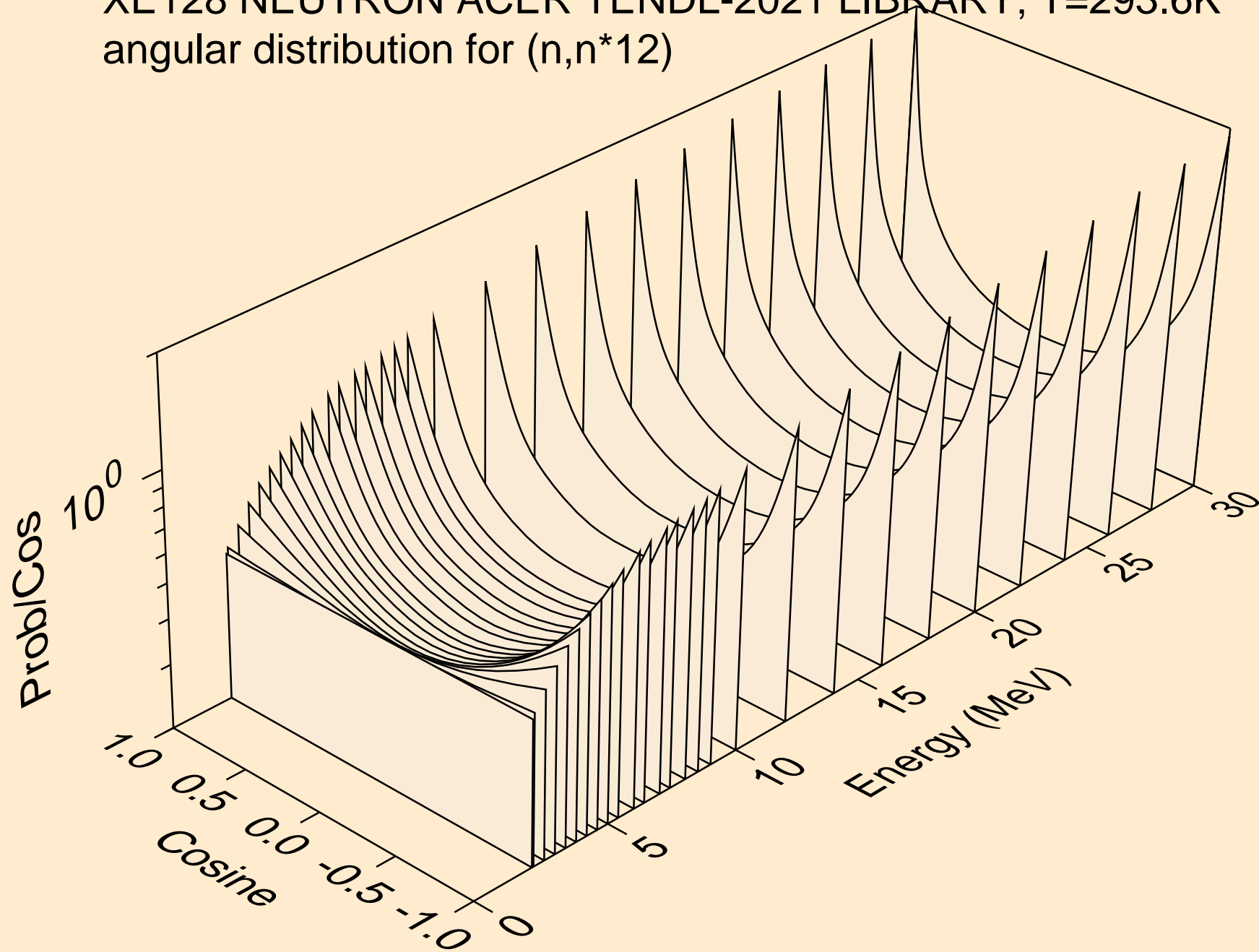
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angular distribution for (n,n\*10)



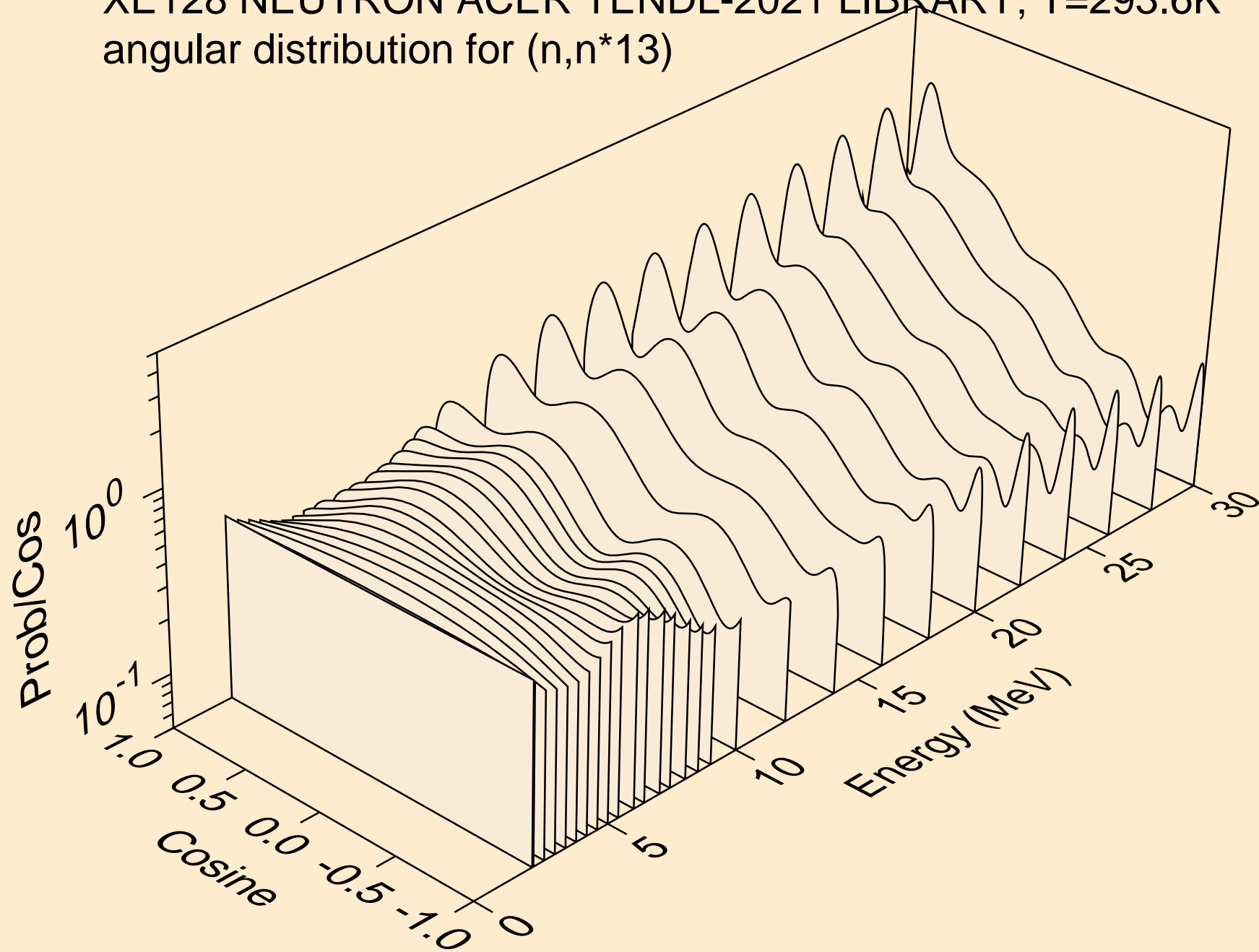
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angular distribution for (n,n\*11)



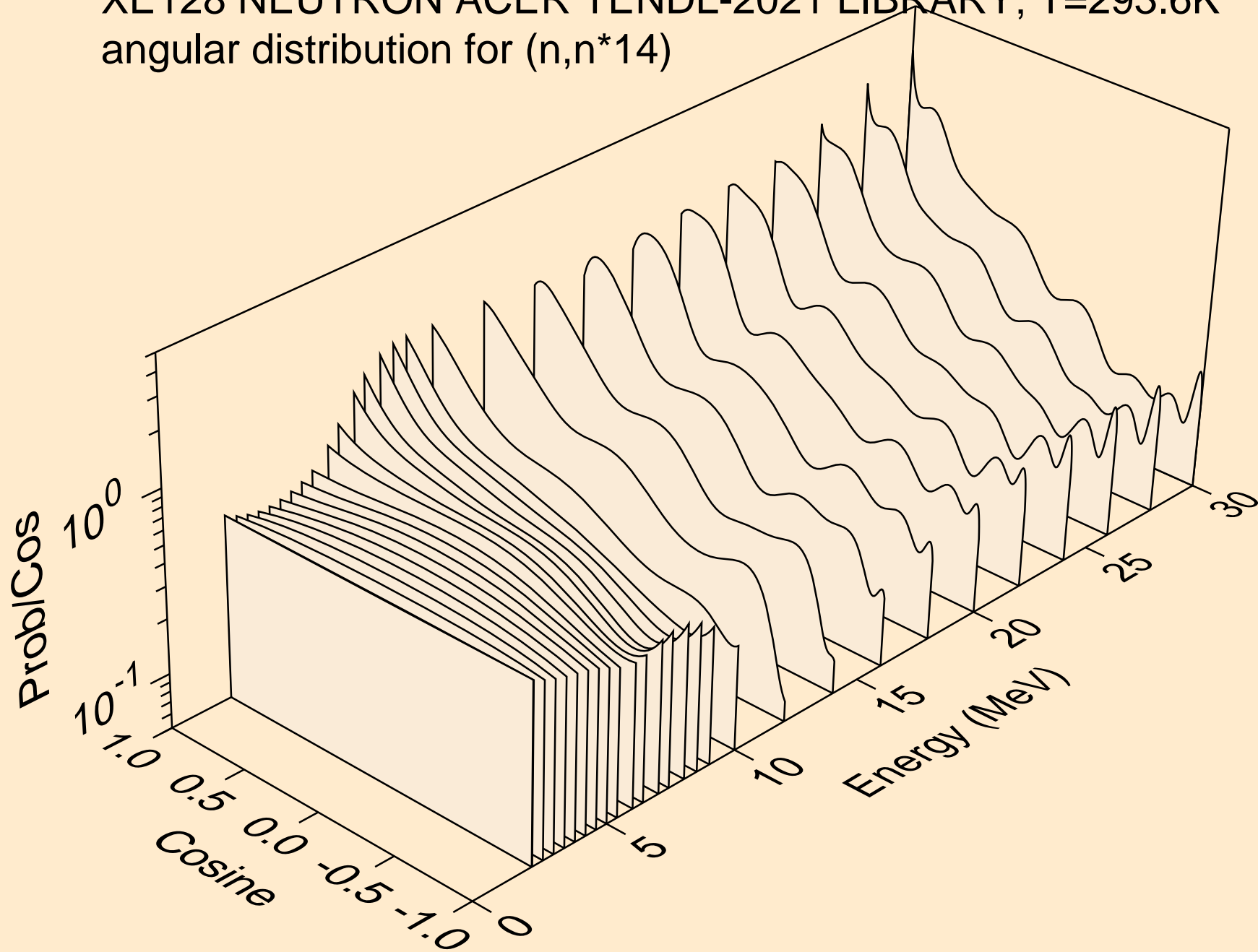
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angular distribution for (n,n\*12)



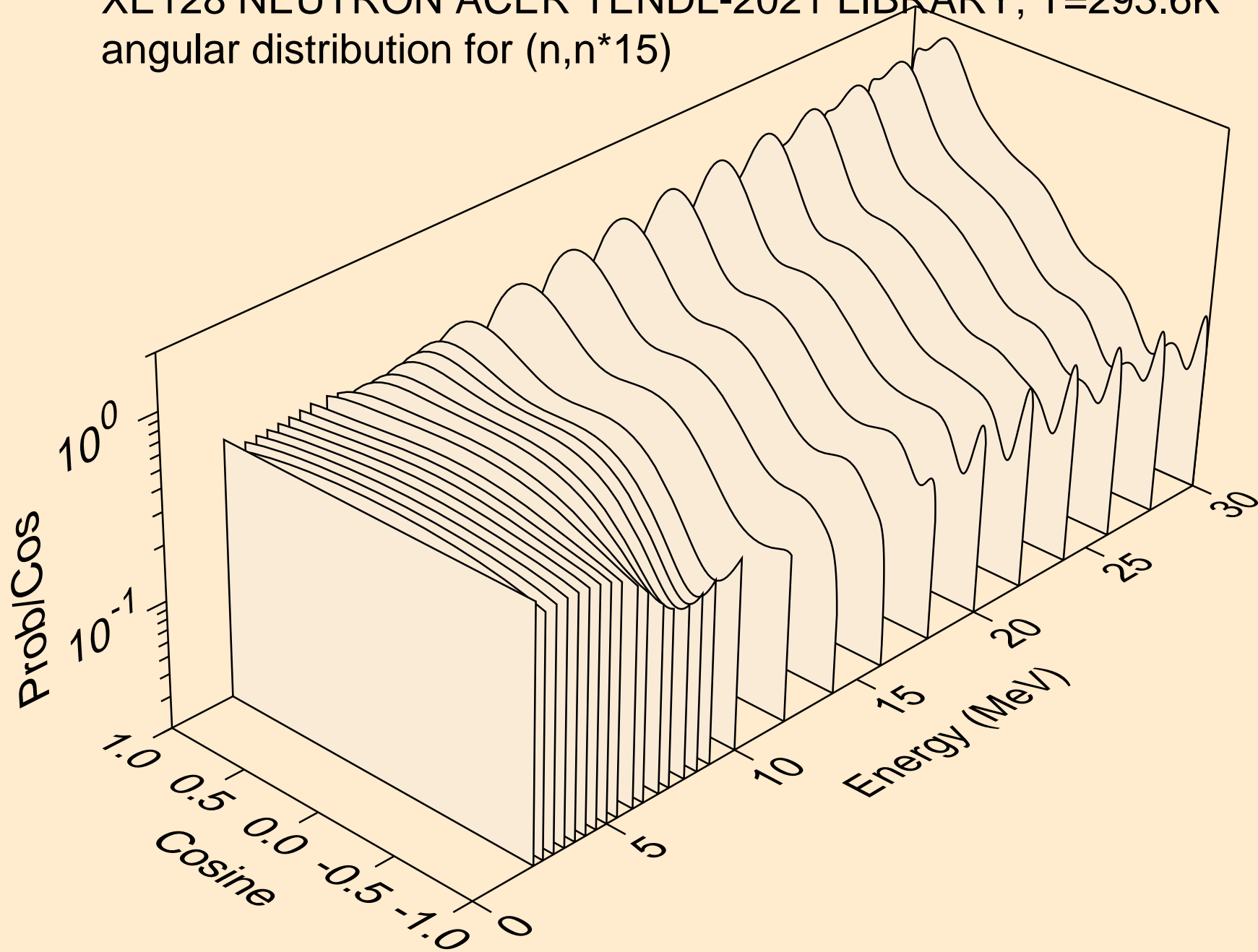
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angular distribution for (n,n\*13)



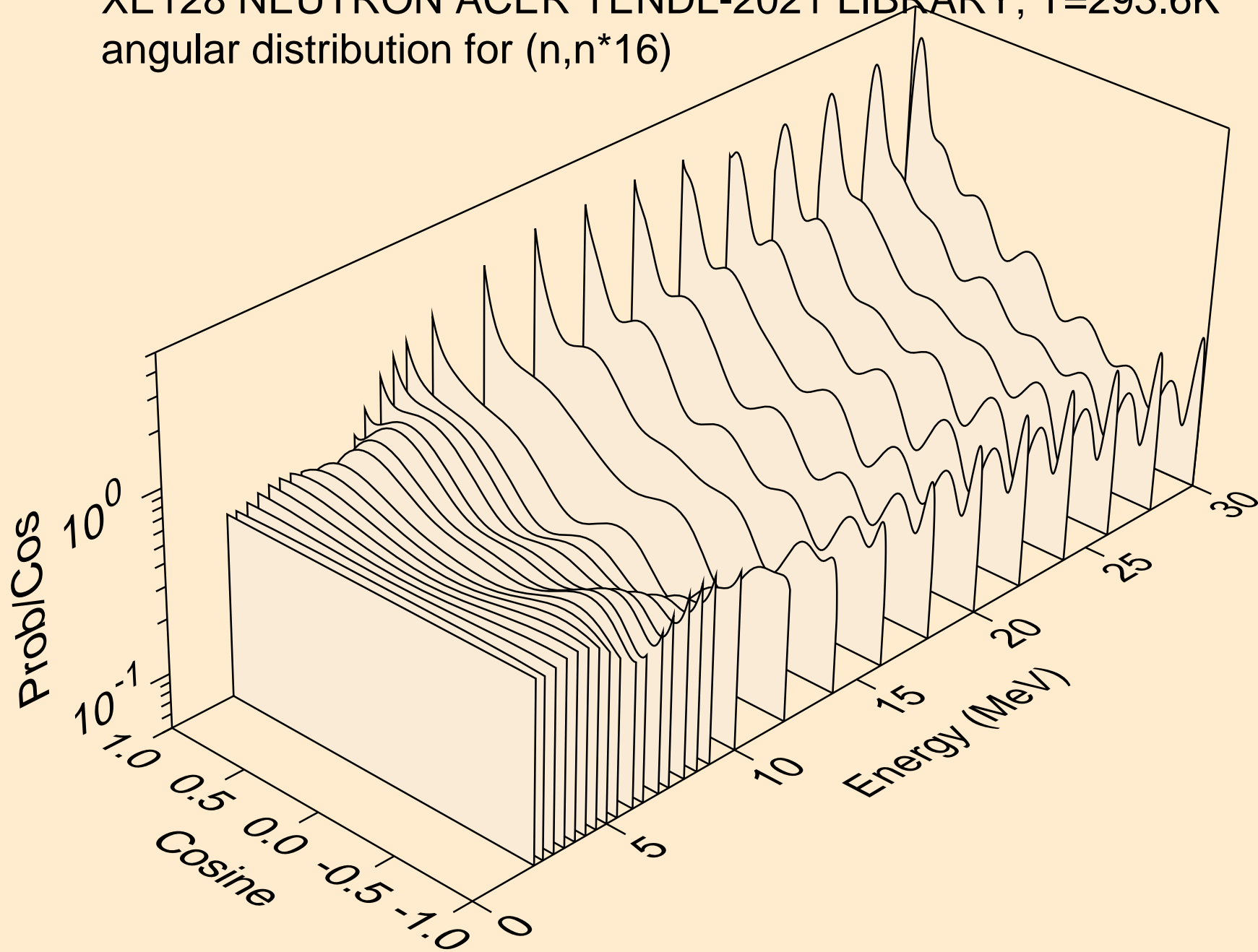
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angular distribution for (n,n\*14)



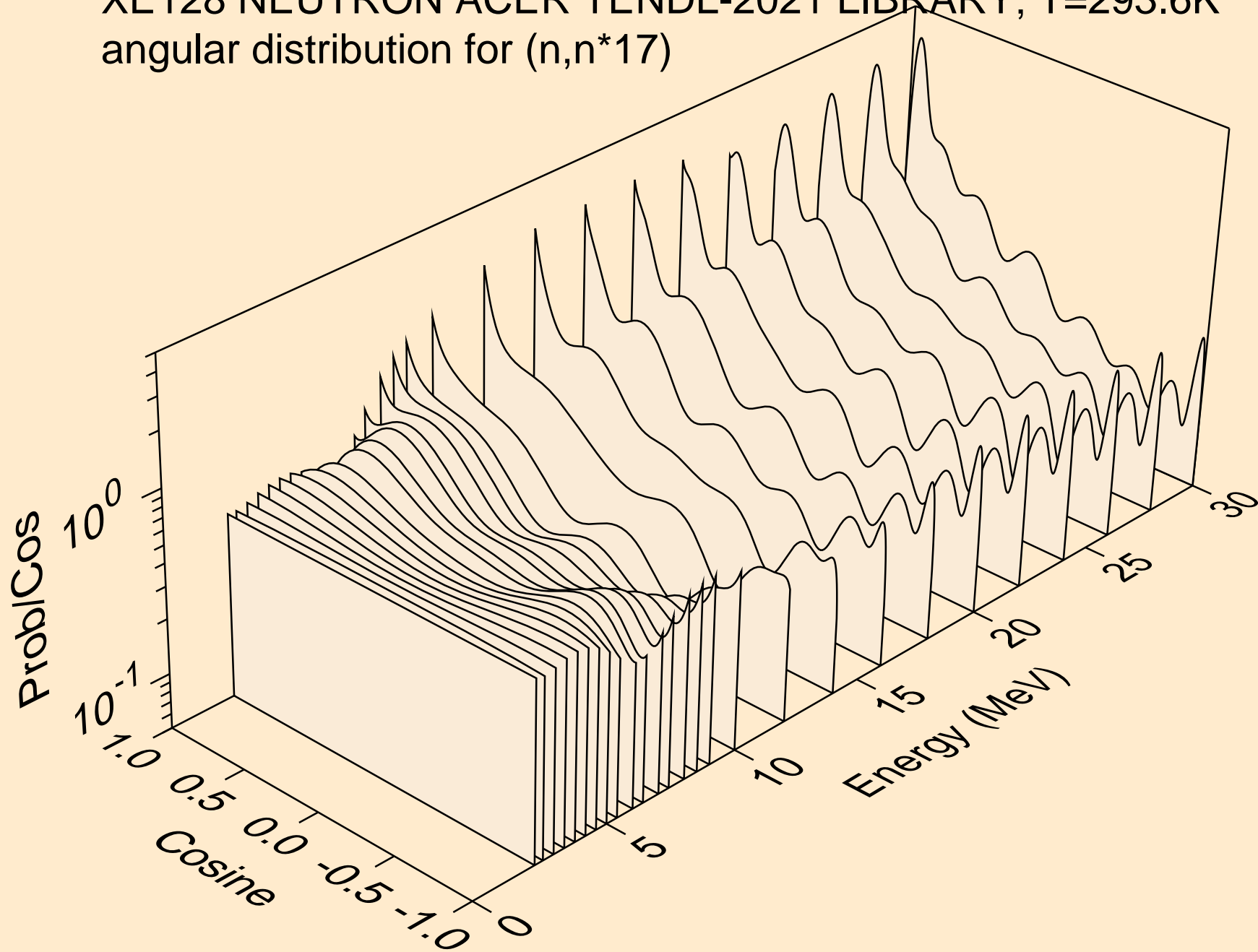
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*15)



XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*16)

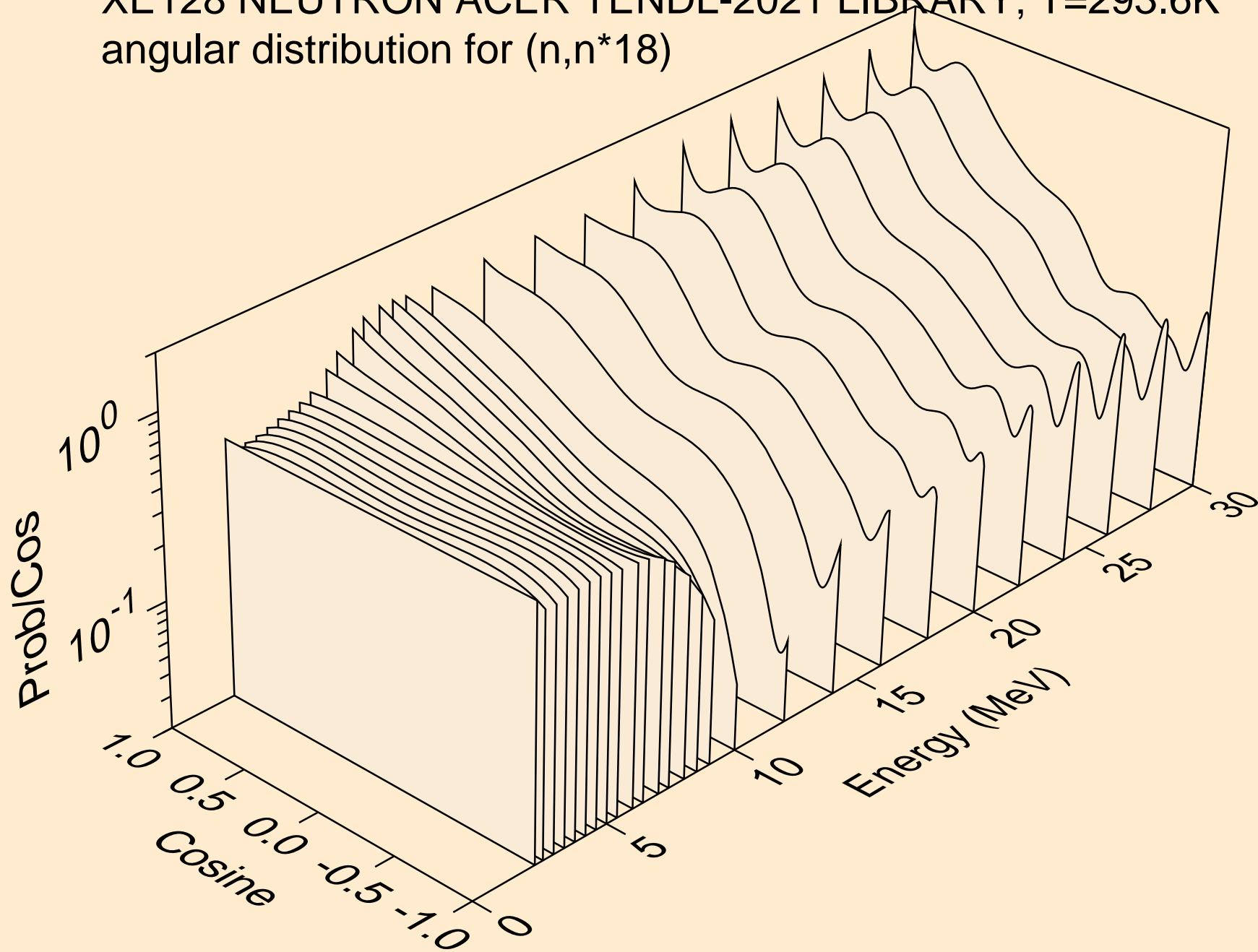


XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*17)

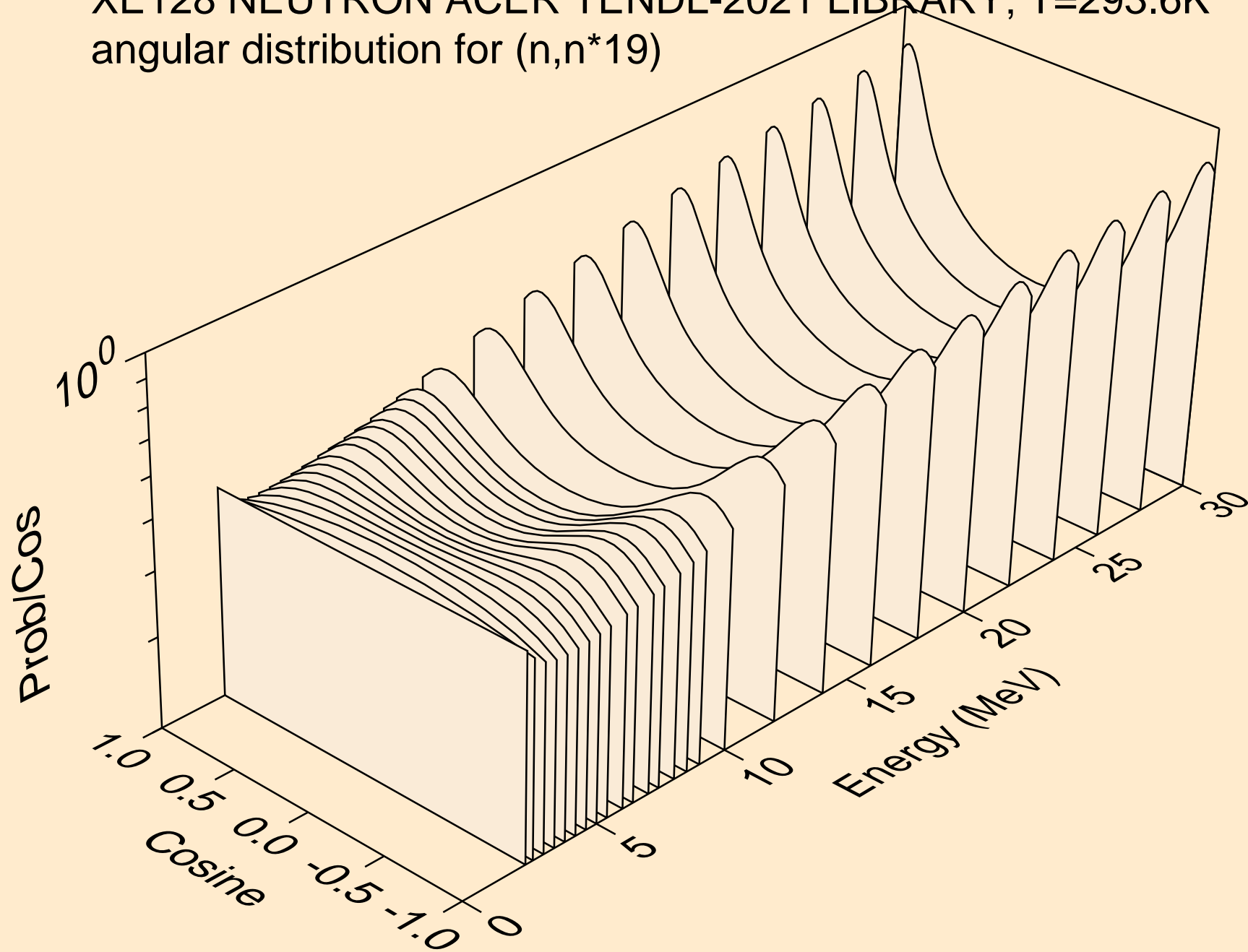




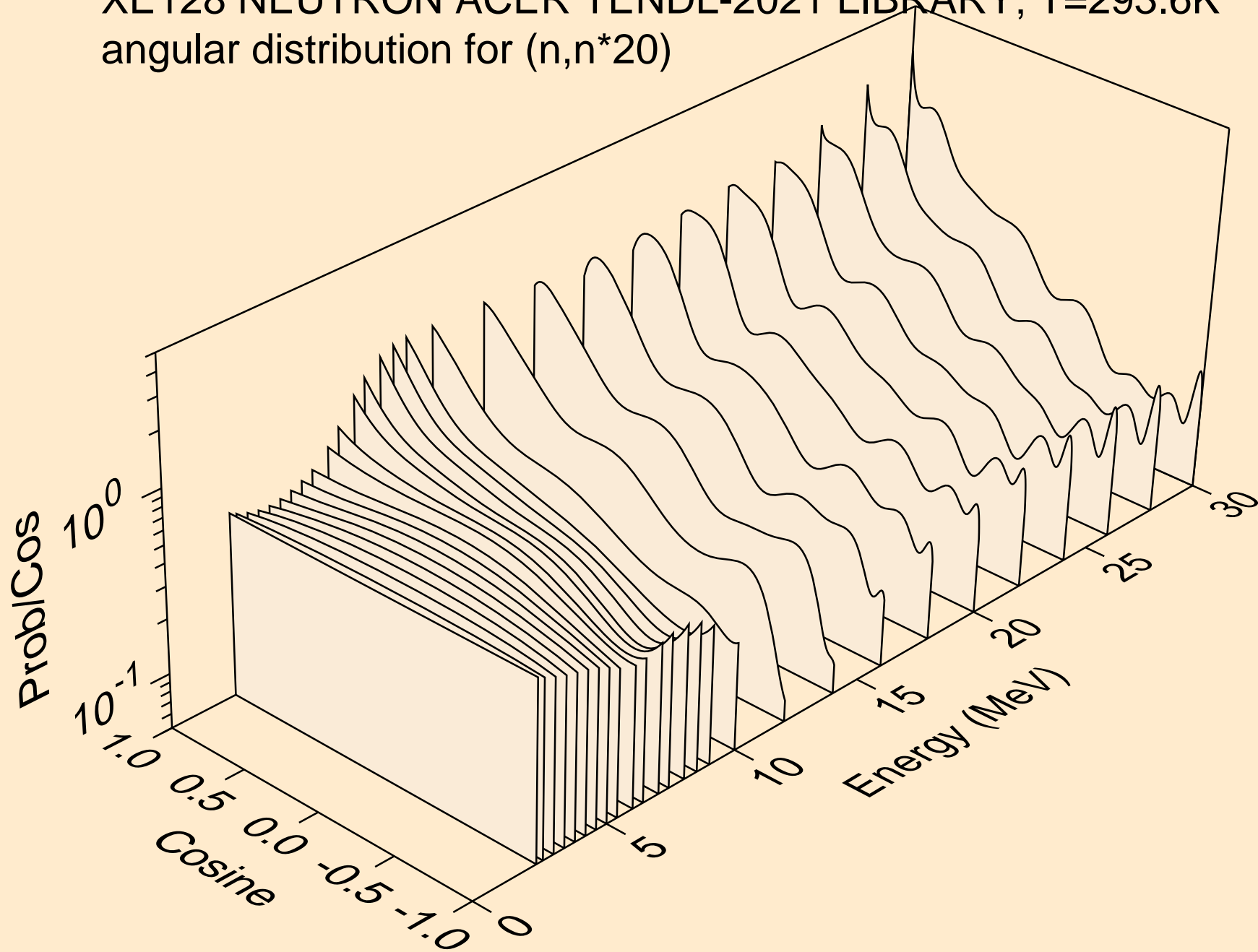
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angular distribution for (n,n\*18)



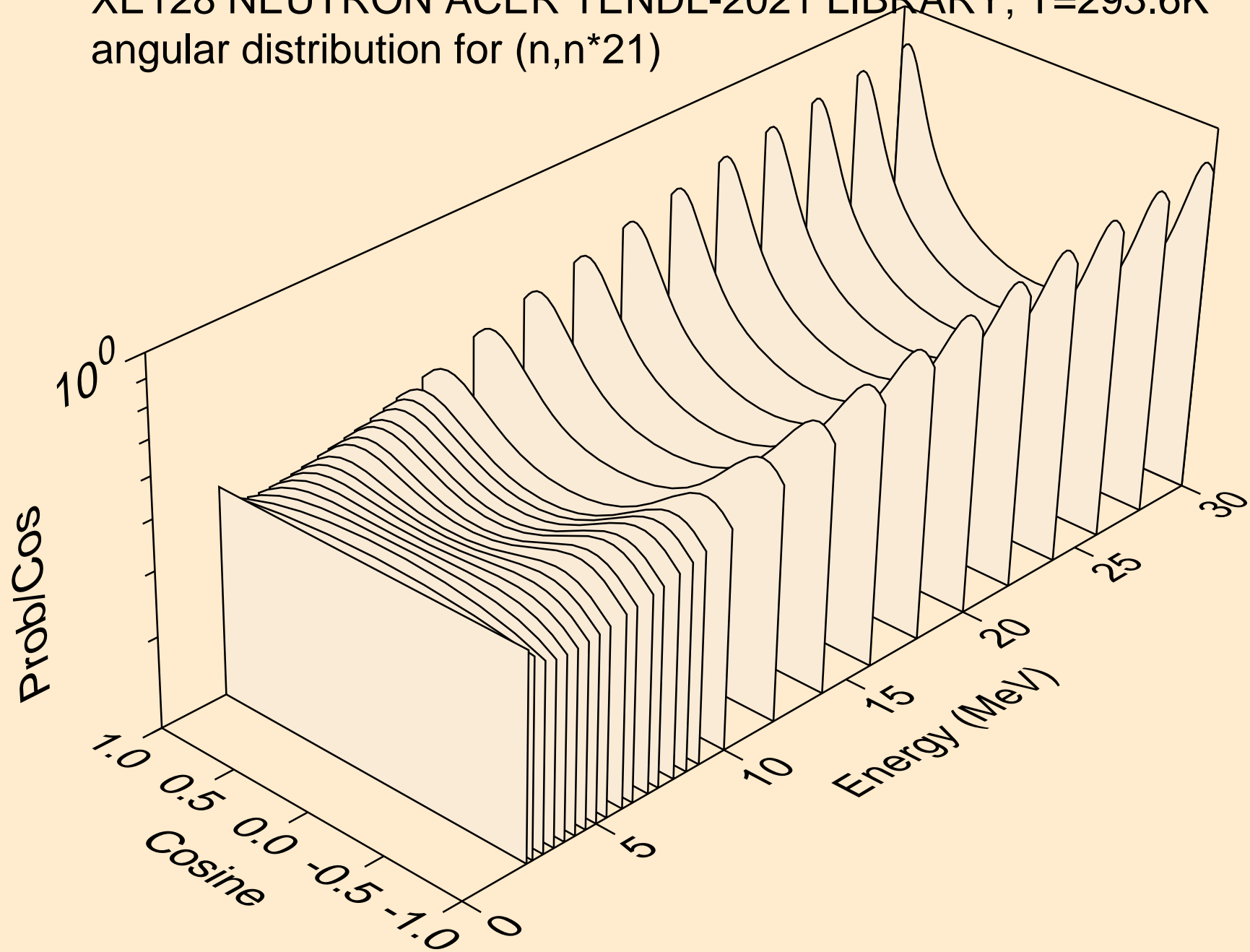
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angular distribution for (n,n\*19)



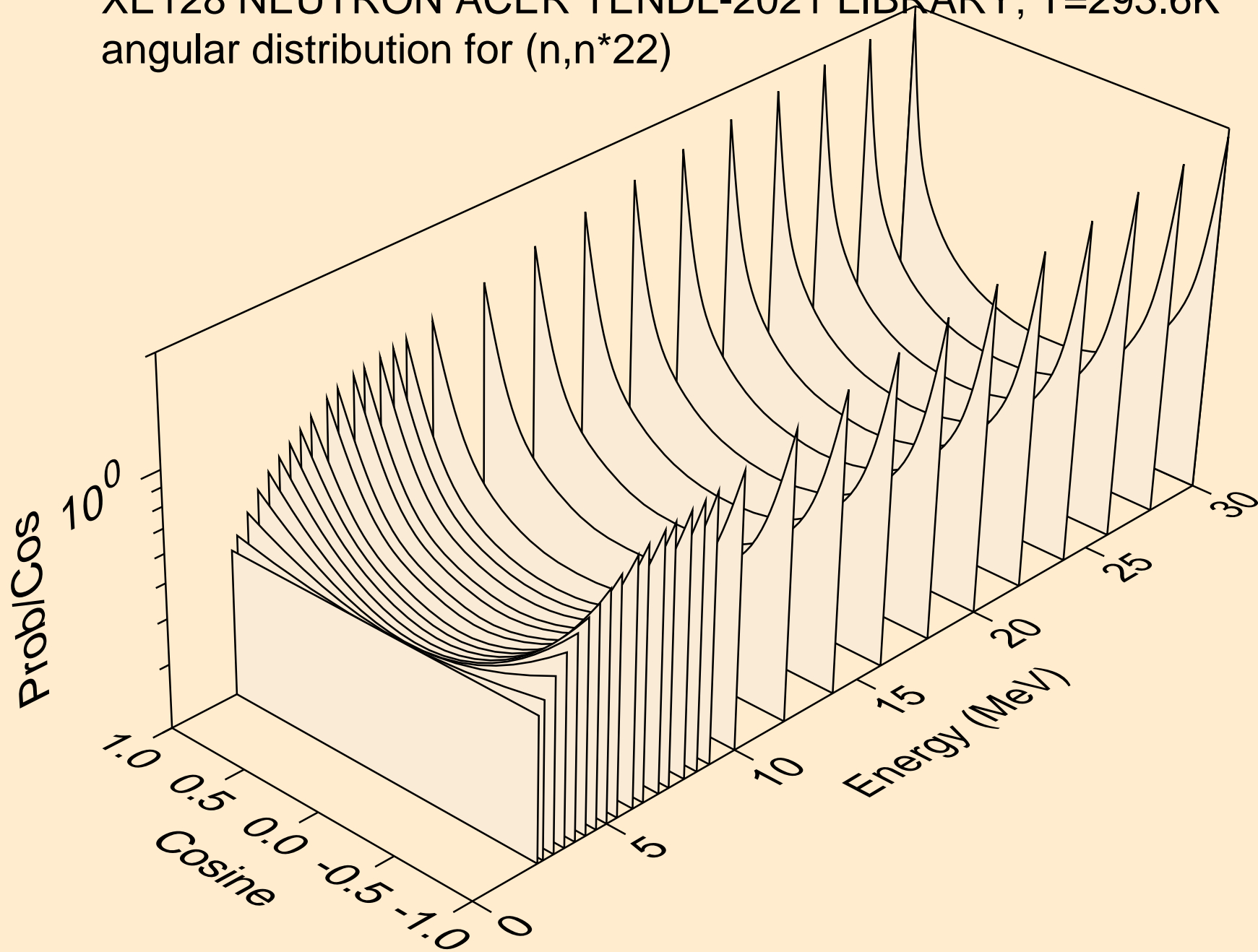
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angular distribution for (n,n\*20)



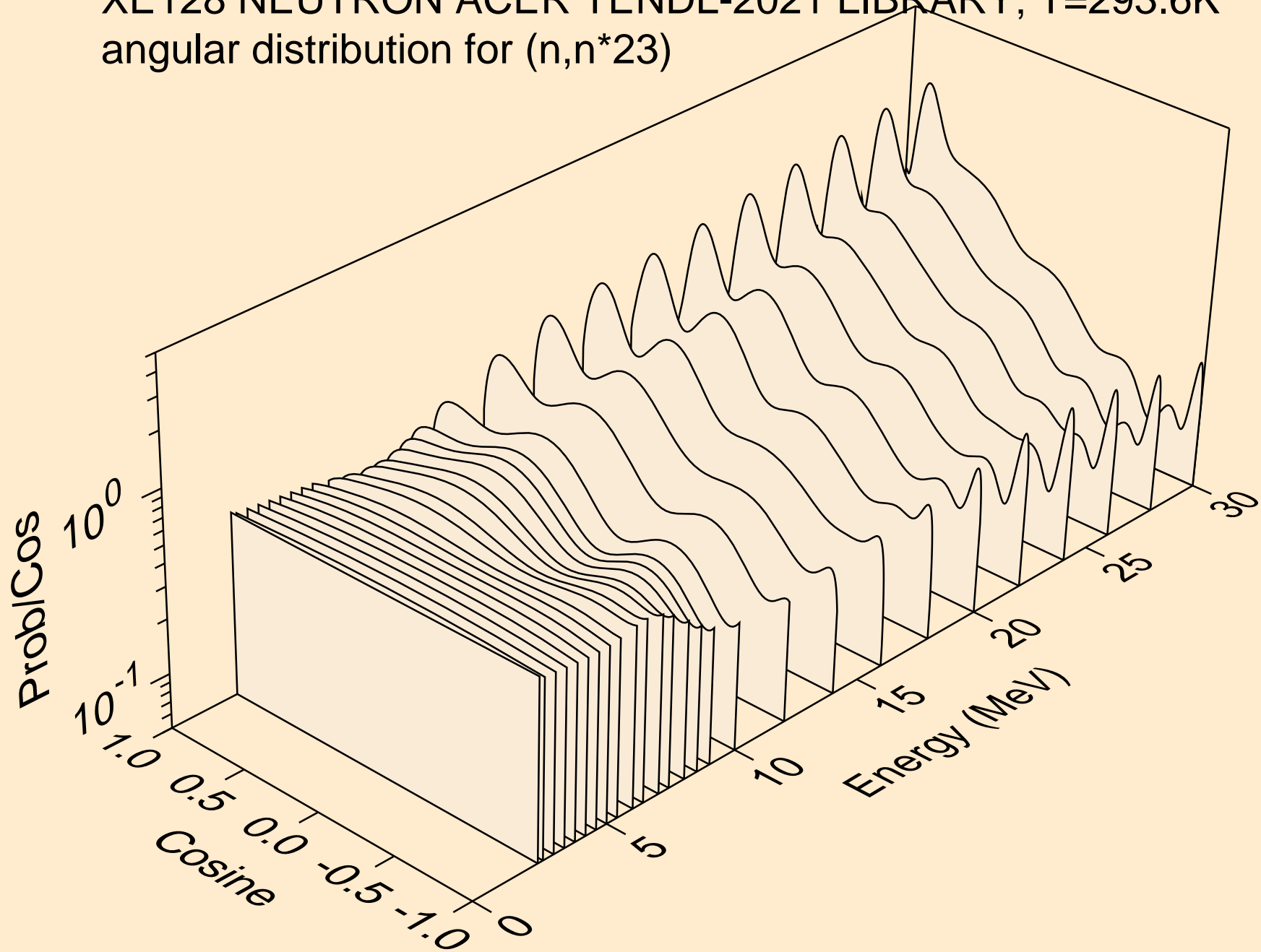
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angular distribution for (n,n\*21)



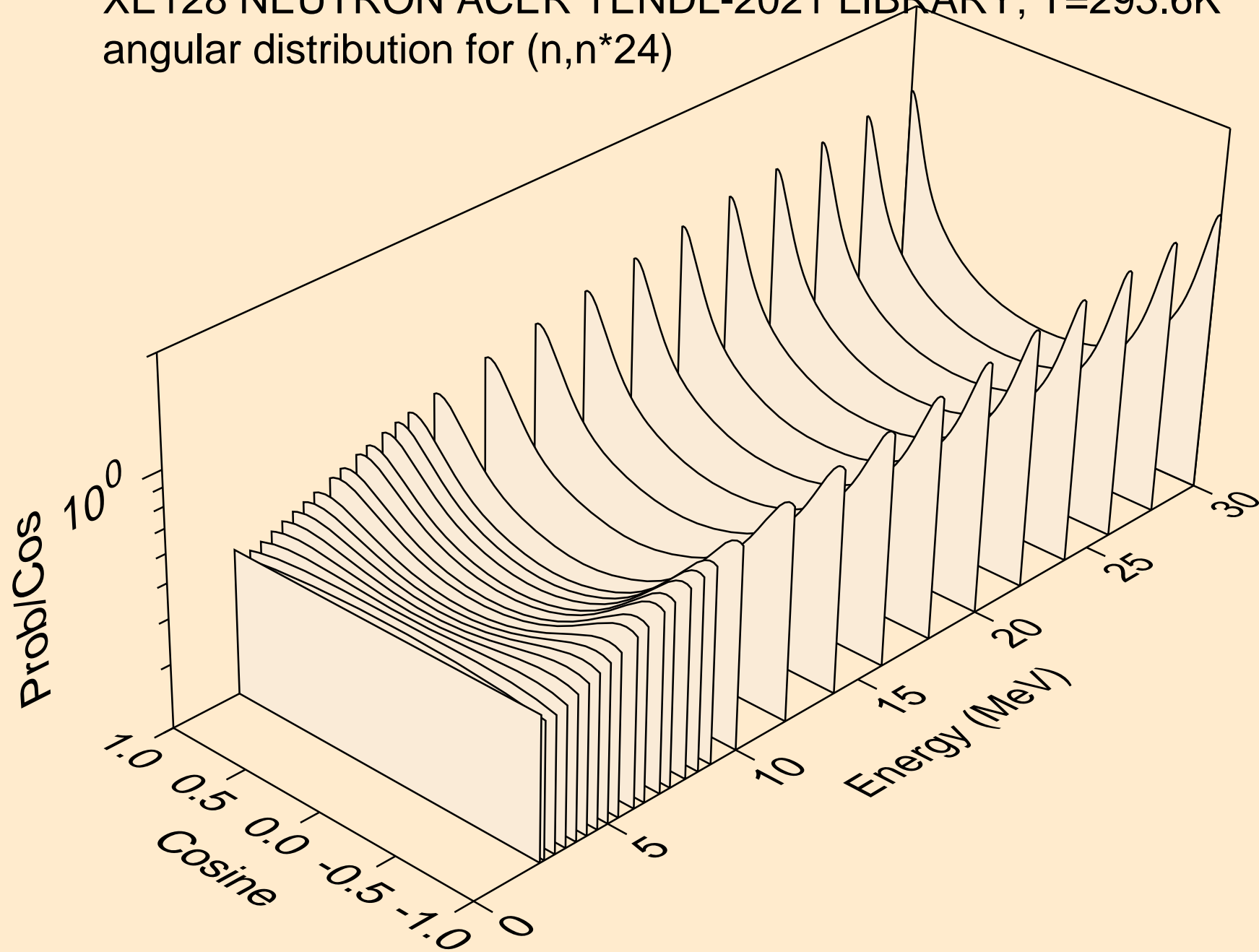
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angular distribution for (n,n\*22)



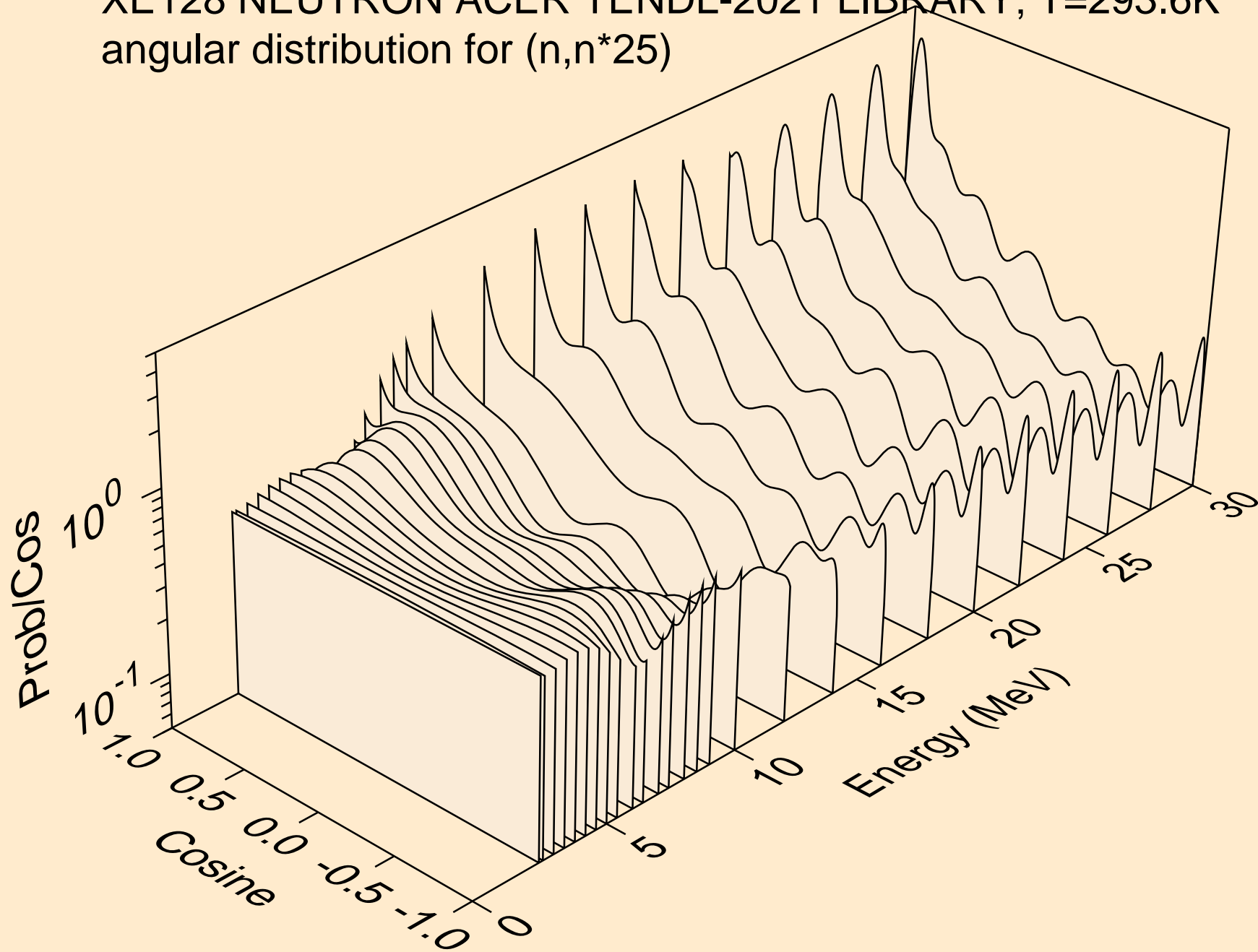
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*23)



XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*24)

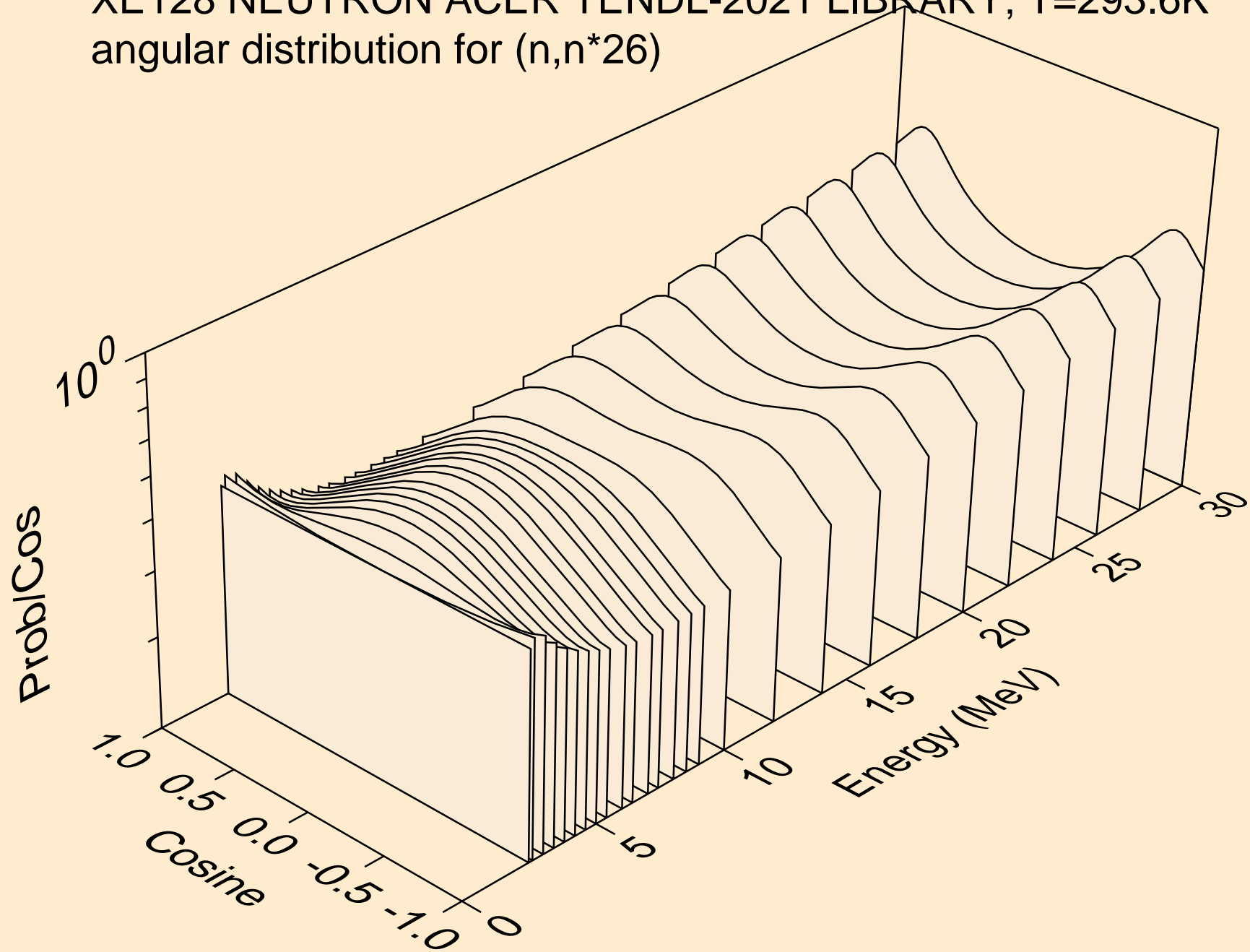


XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*25)

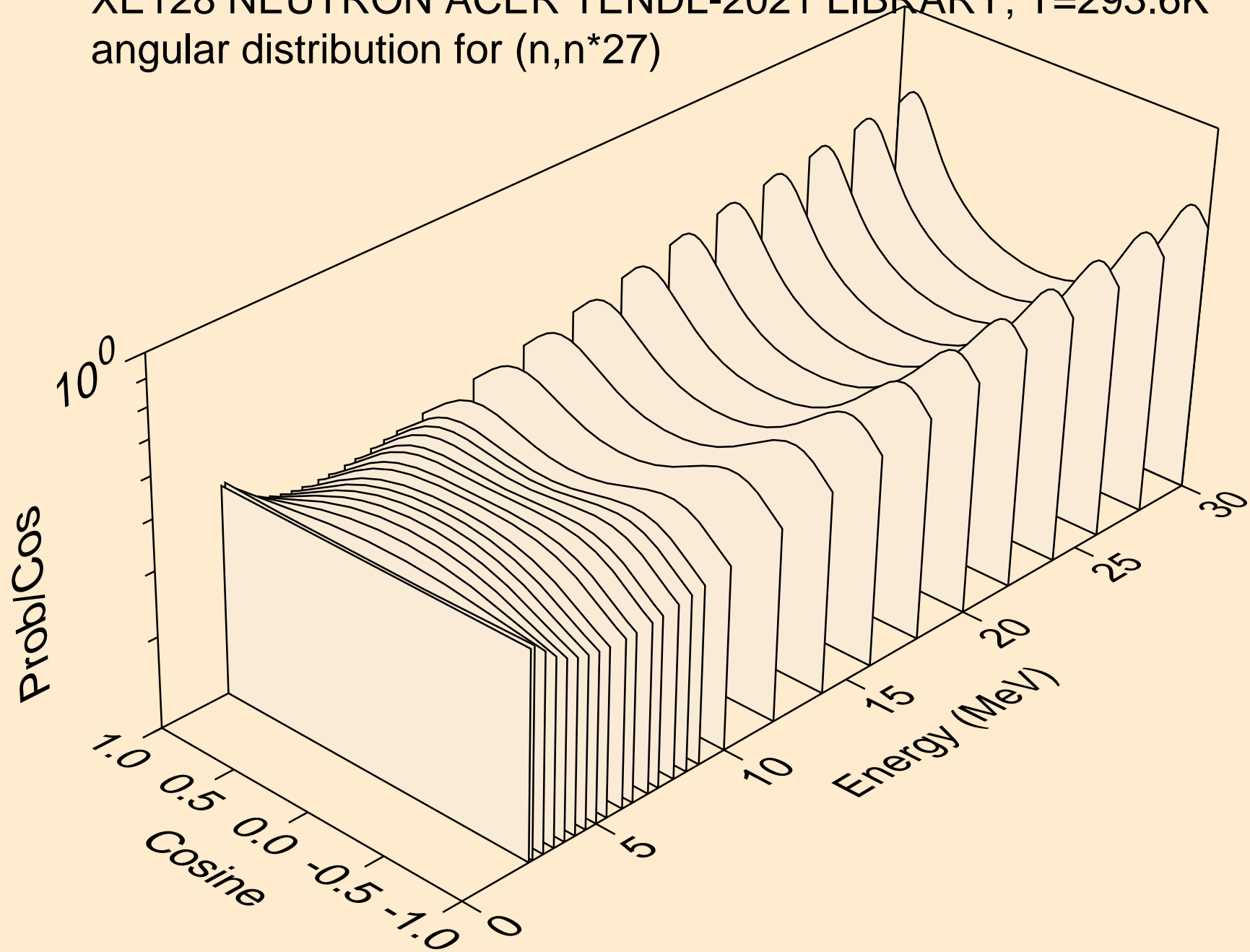




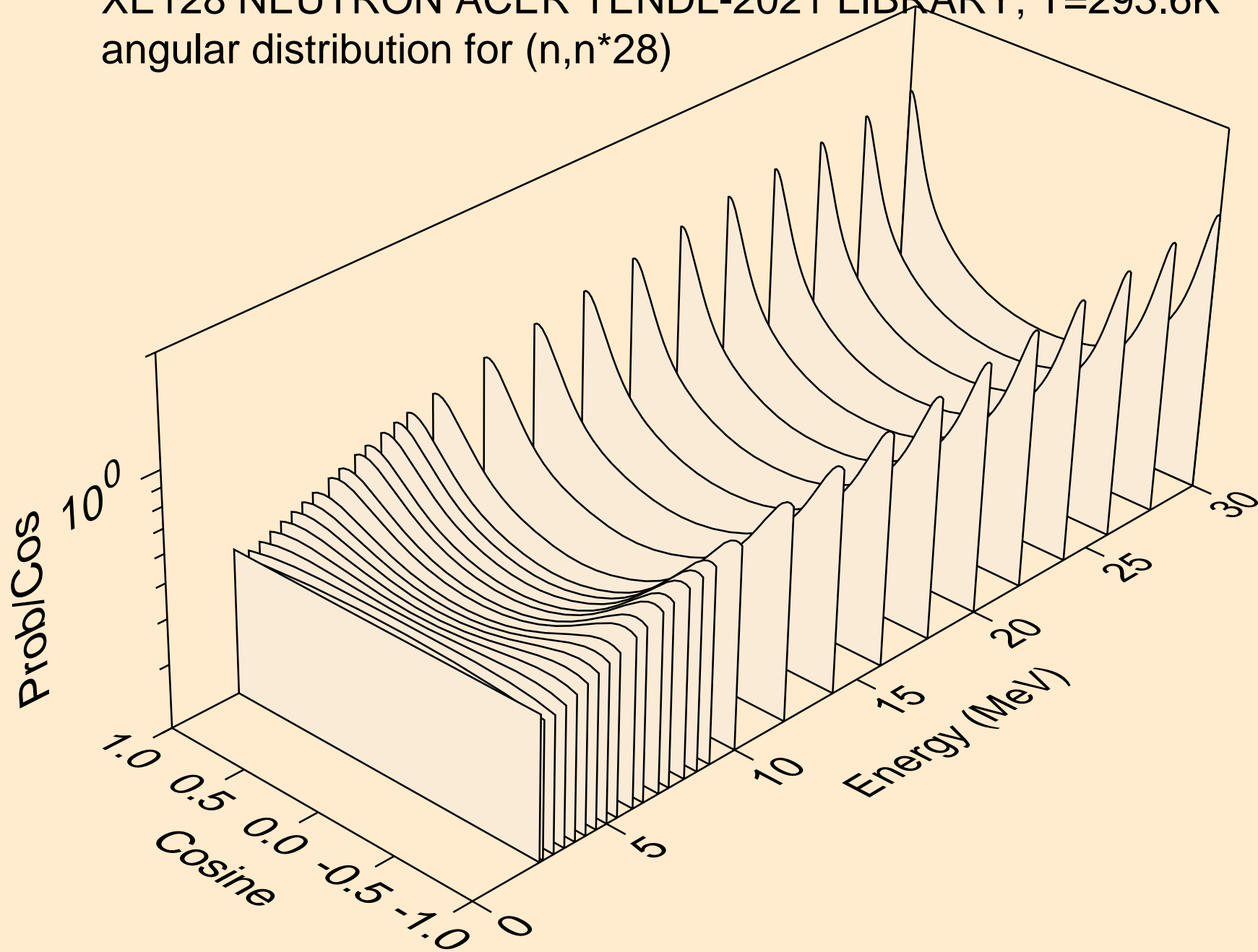
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*26)



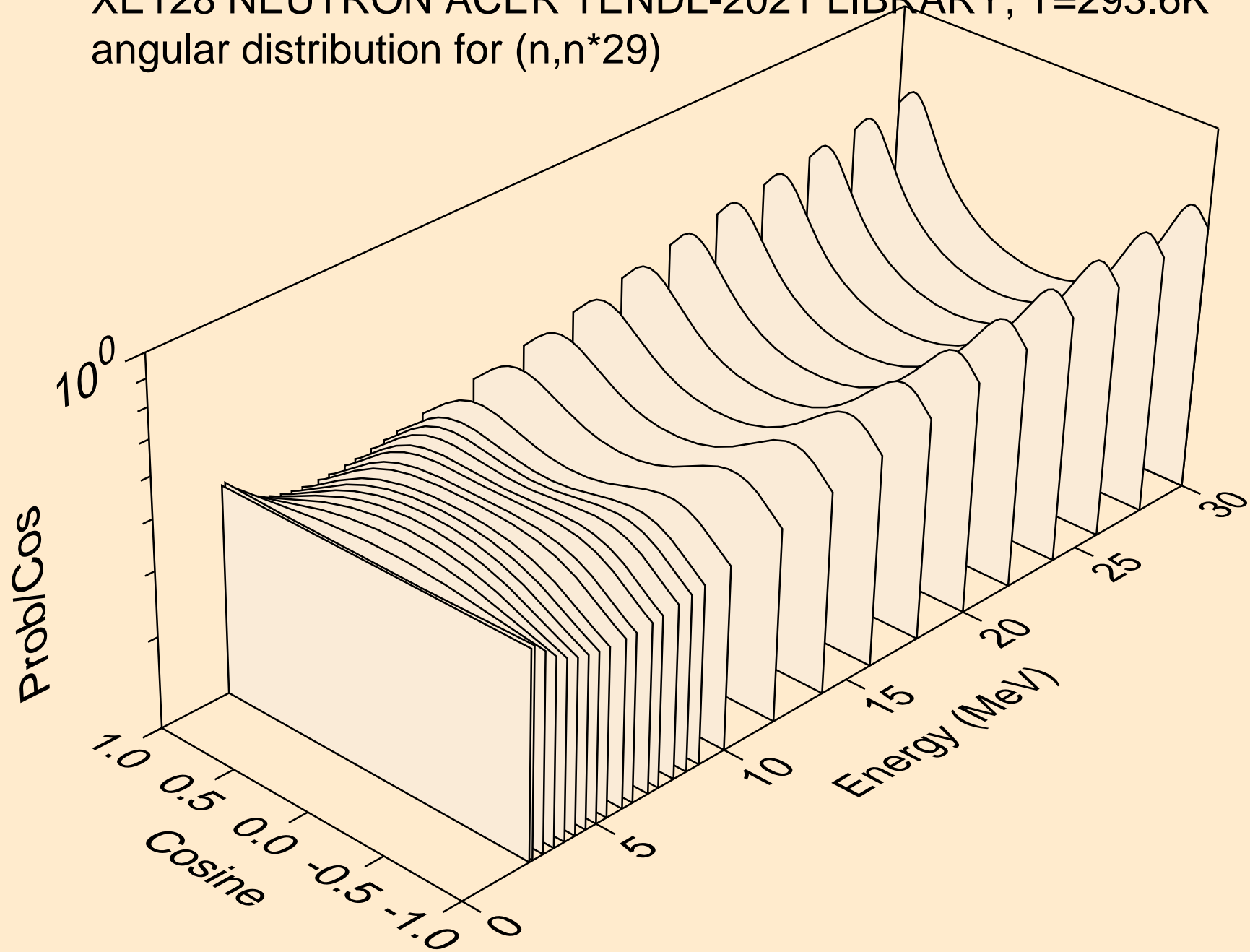
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*27)



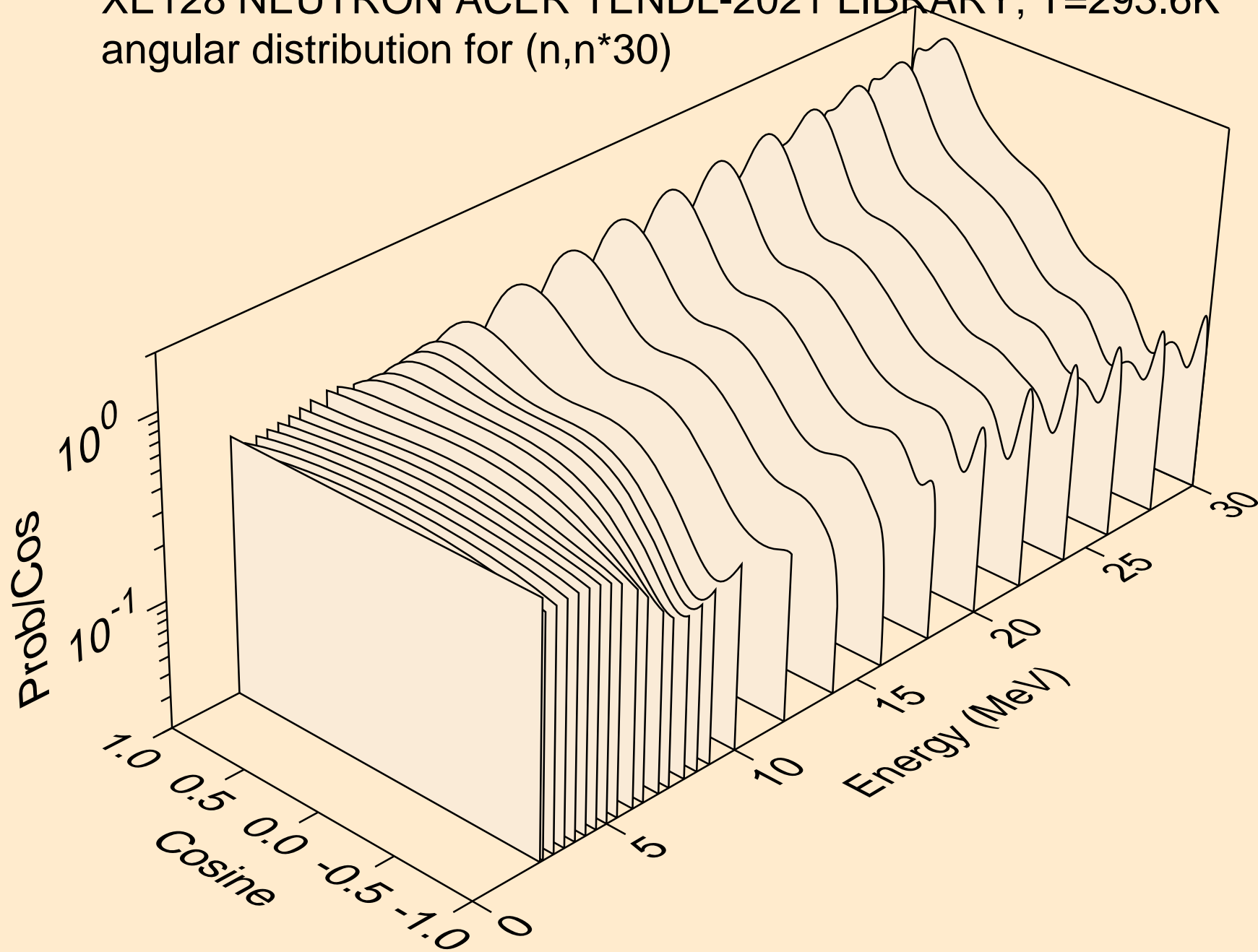
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*28)



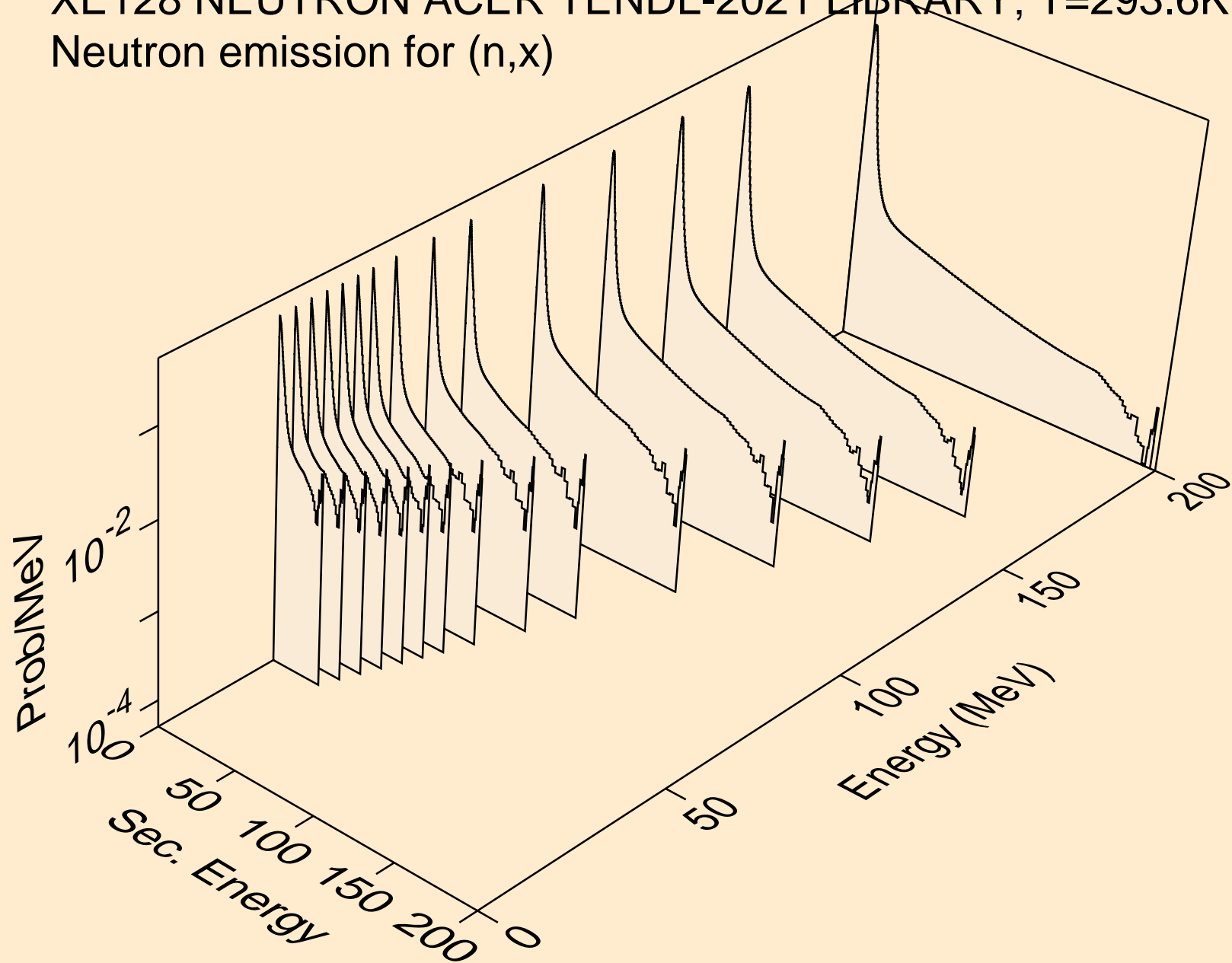
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angular distribution for (n,n\*29)



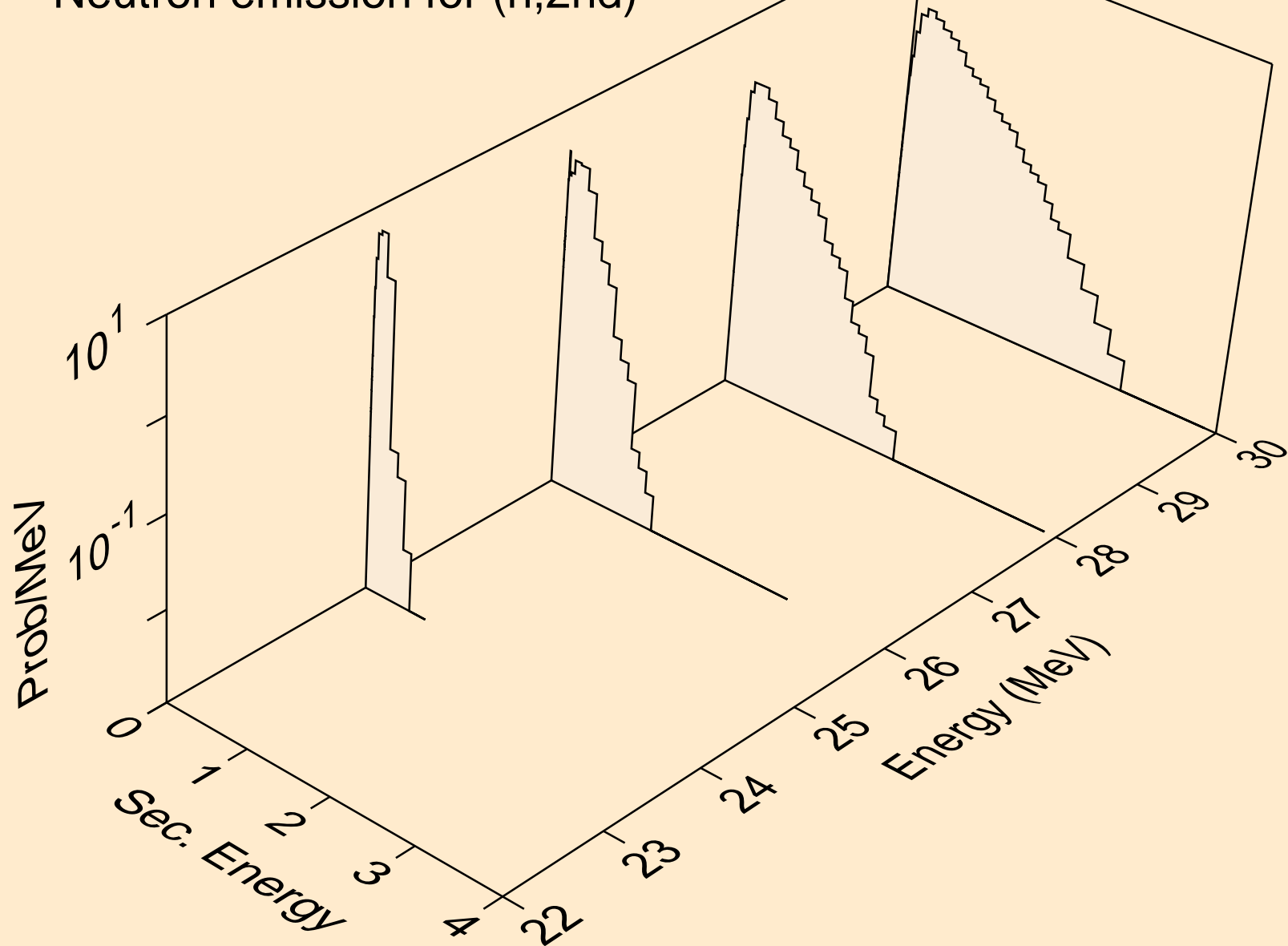
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angular distribution for (n,n\*30)



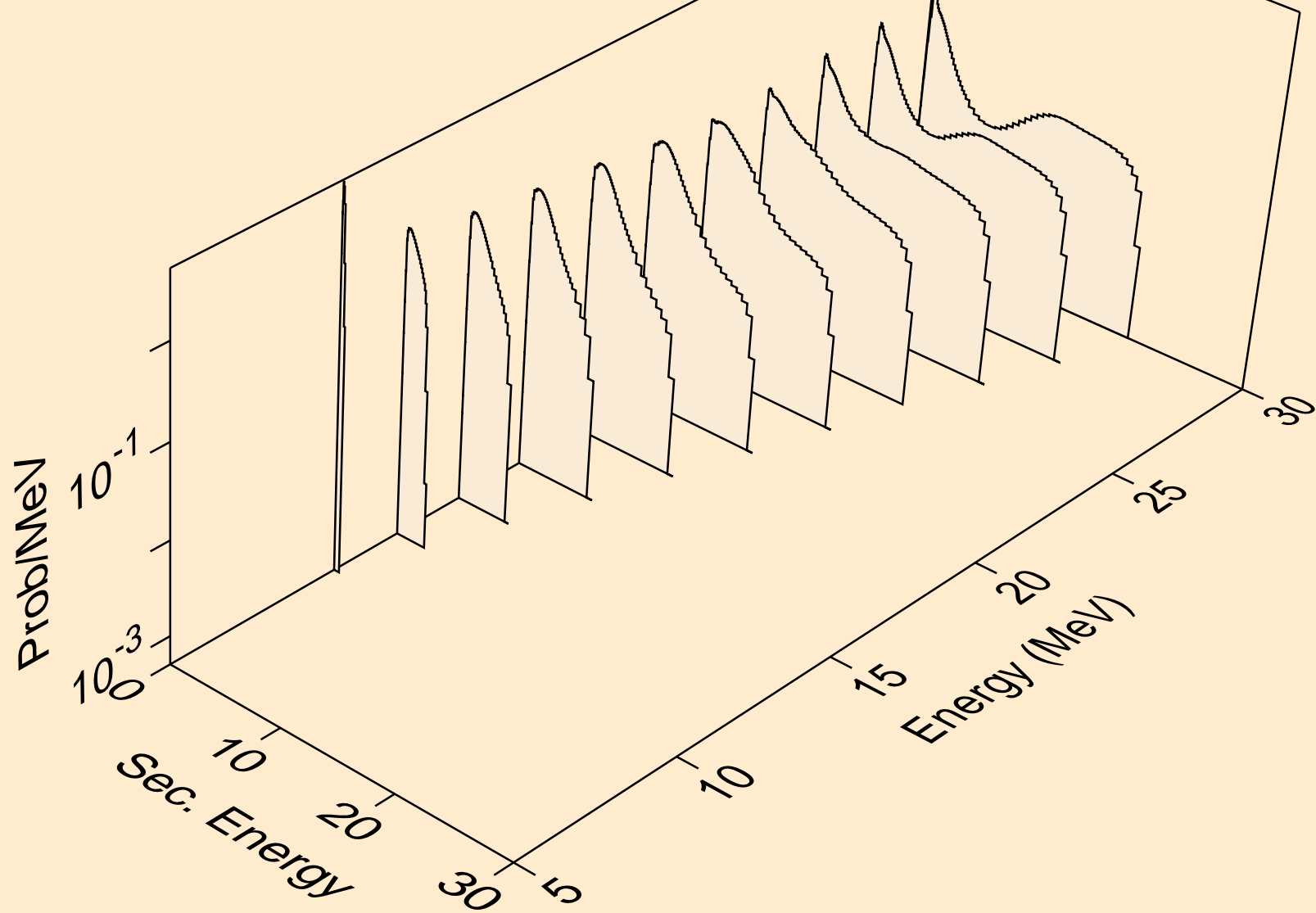
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)



XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)

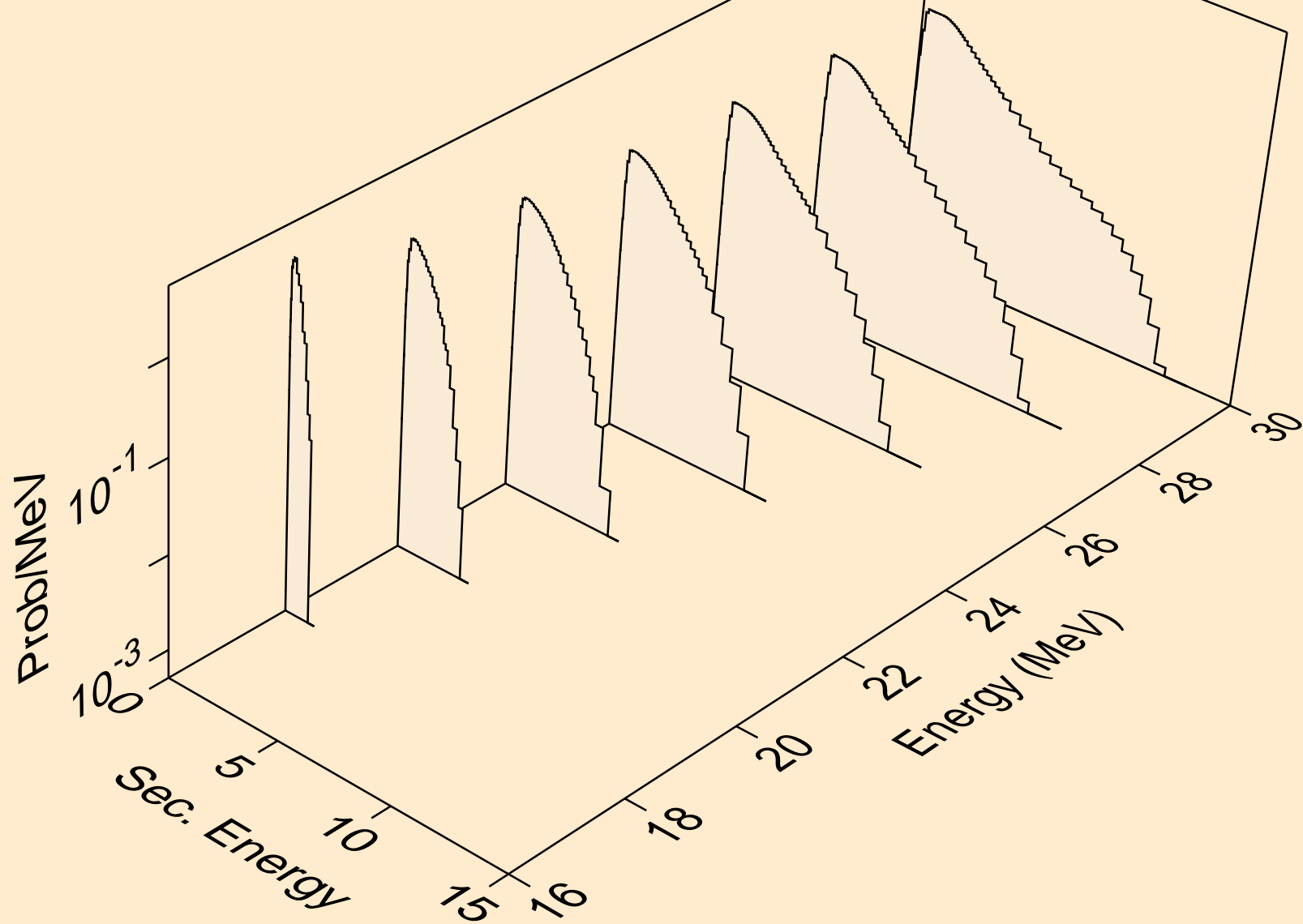


XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)

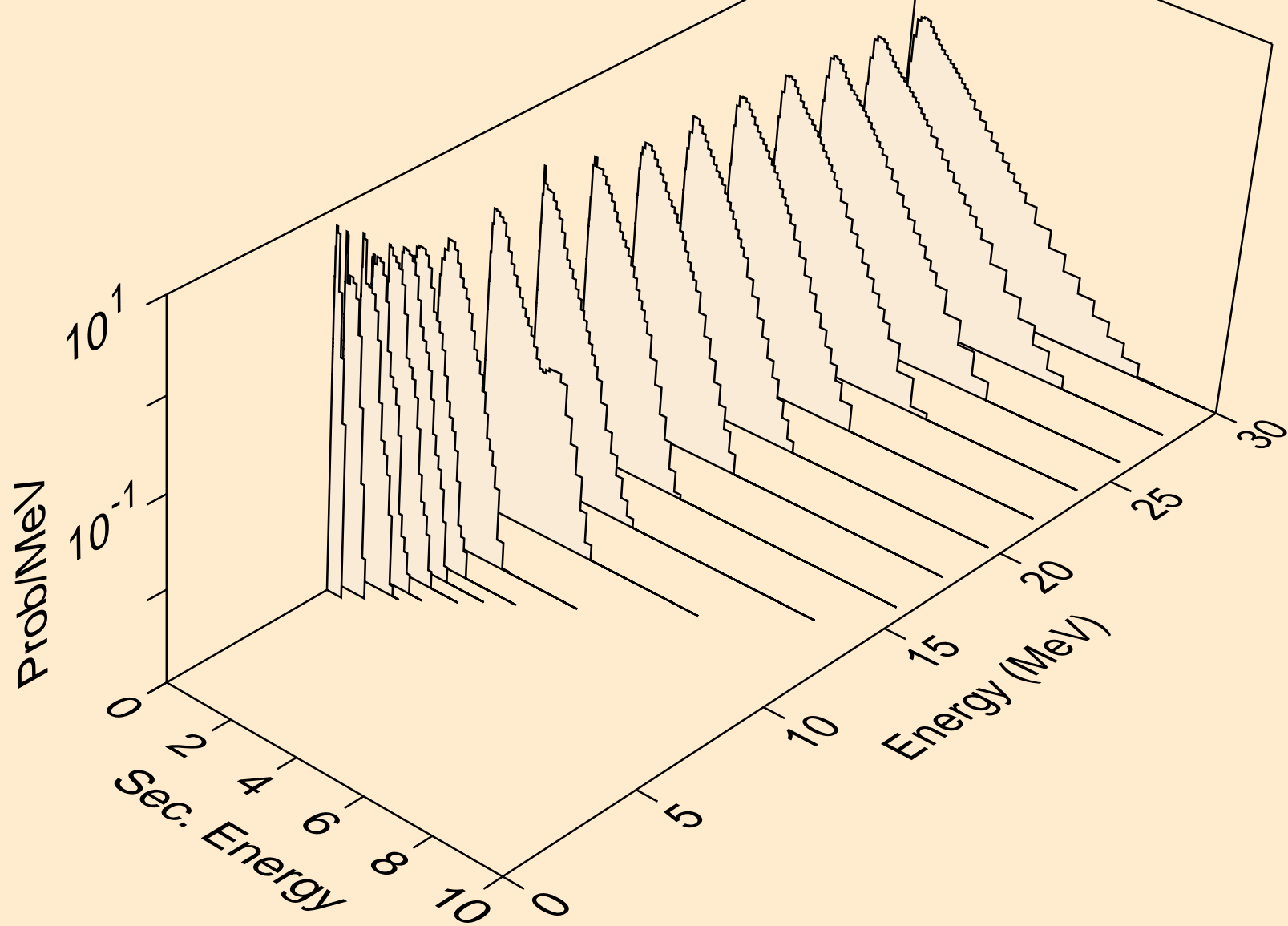




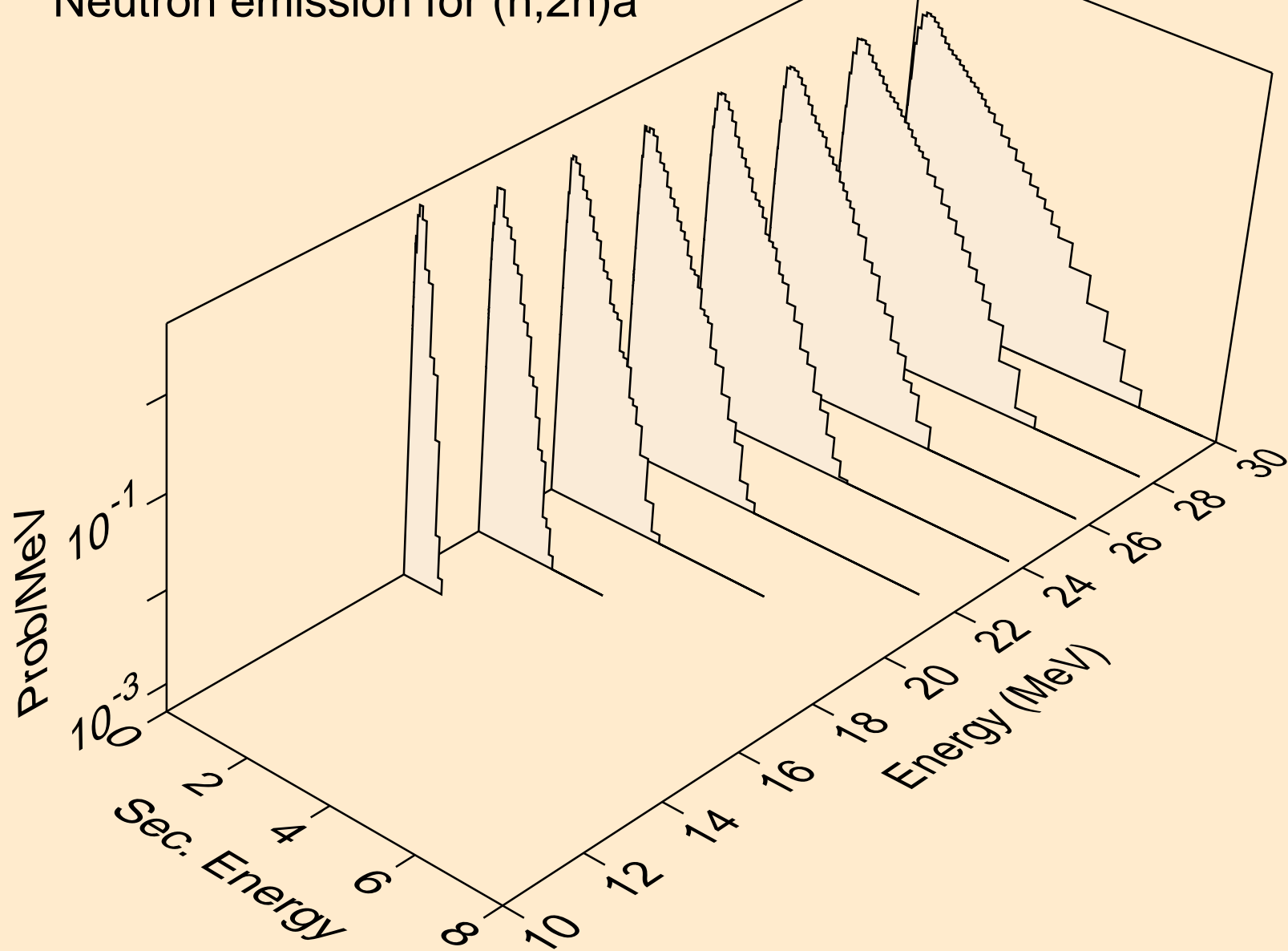
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



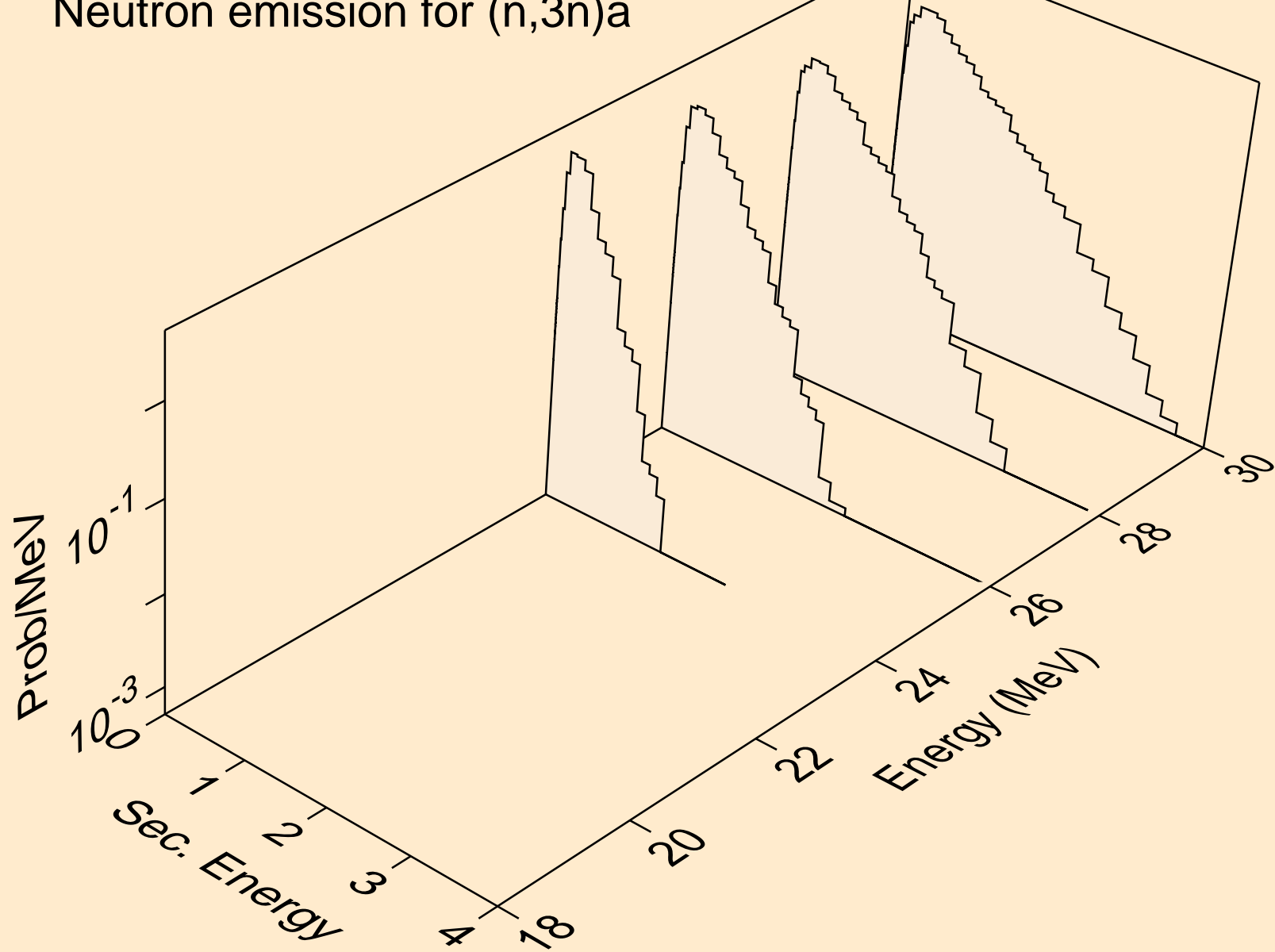
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



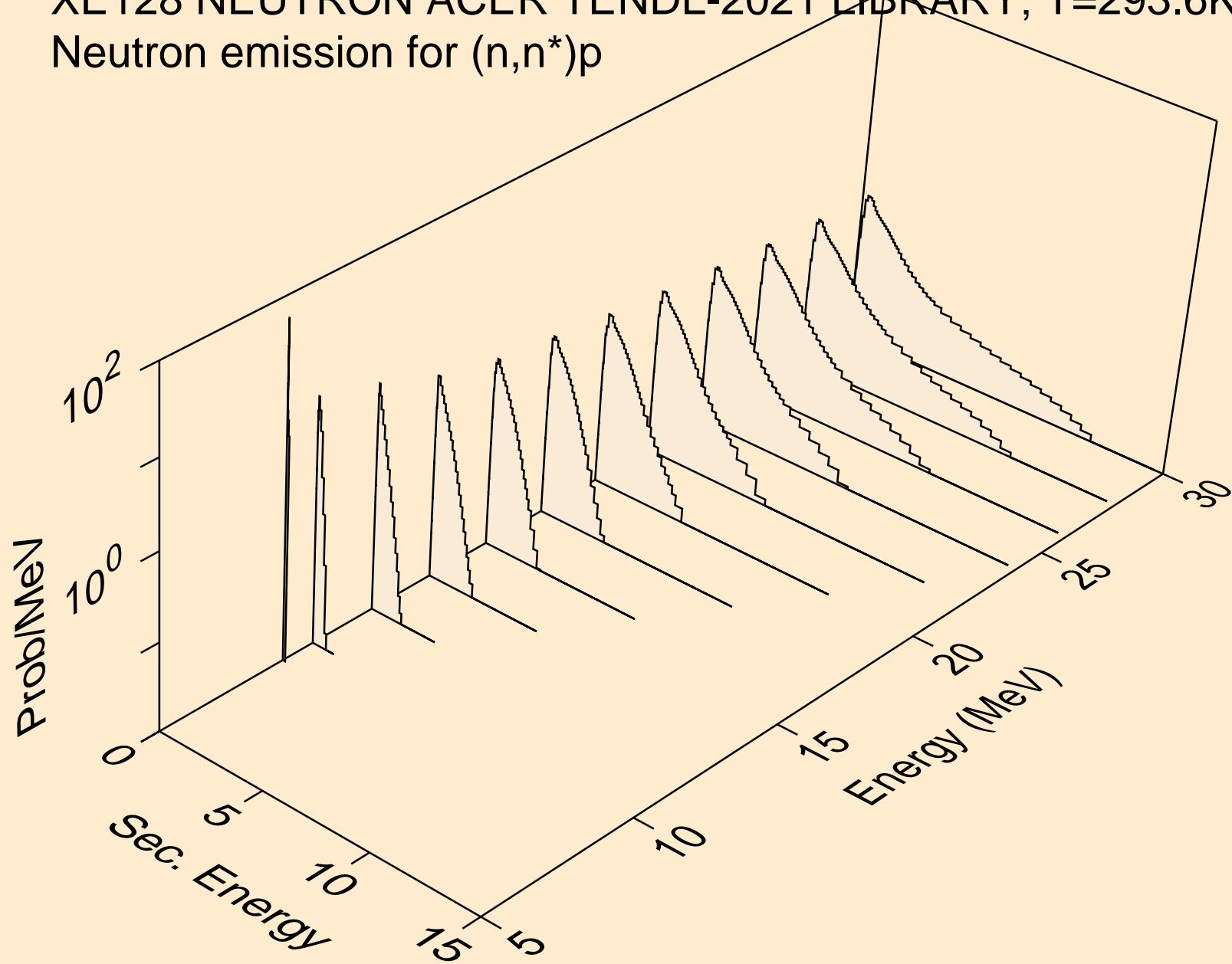
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)<sub>a</sub>



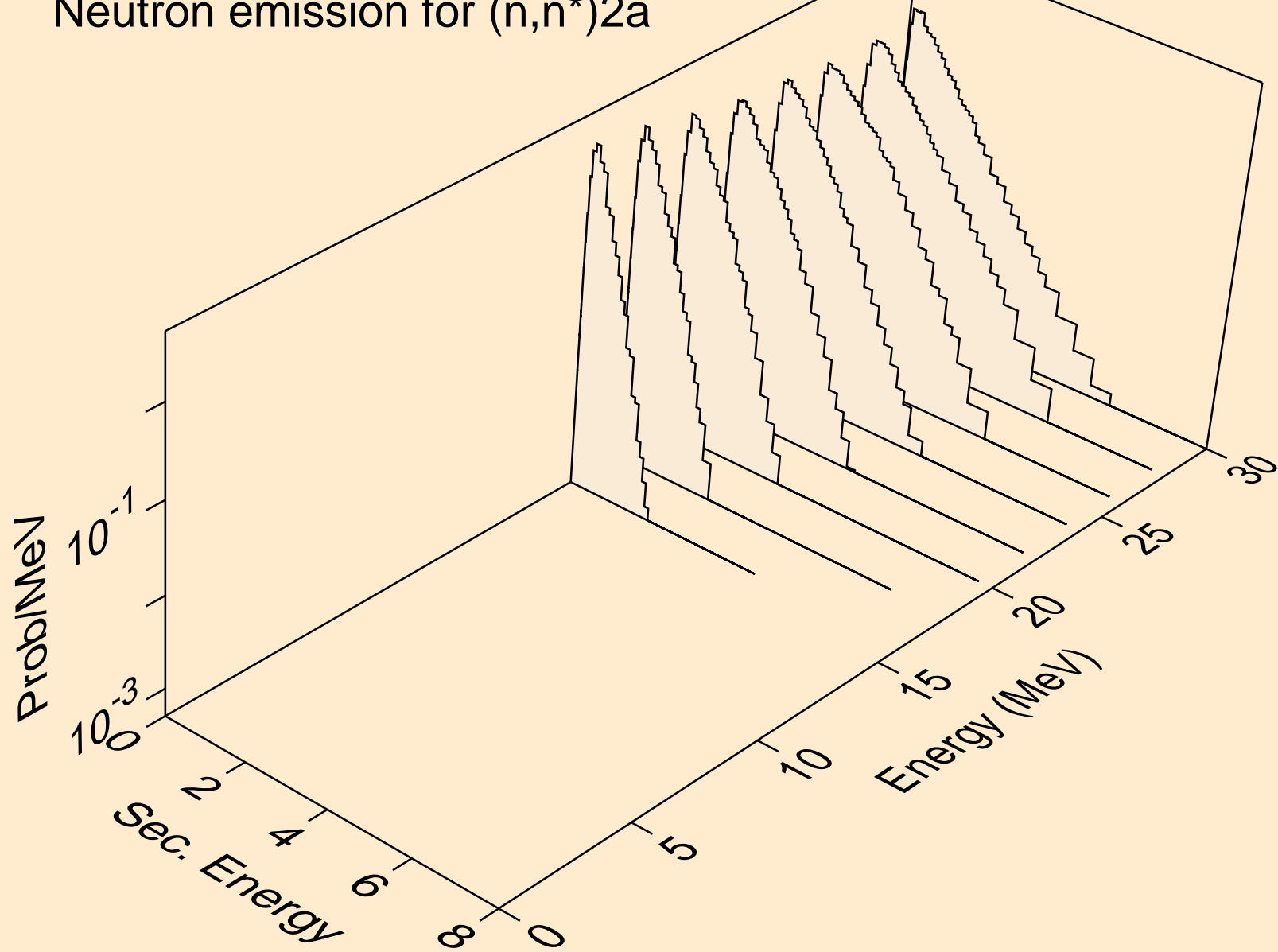
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a



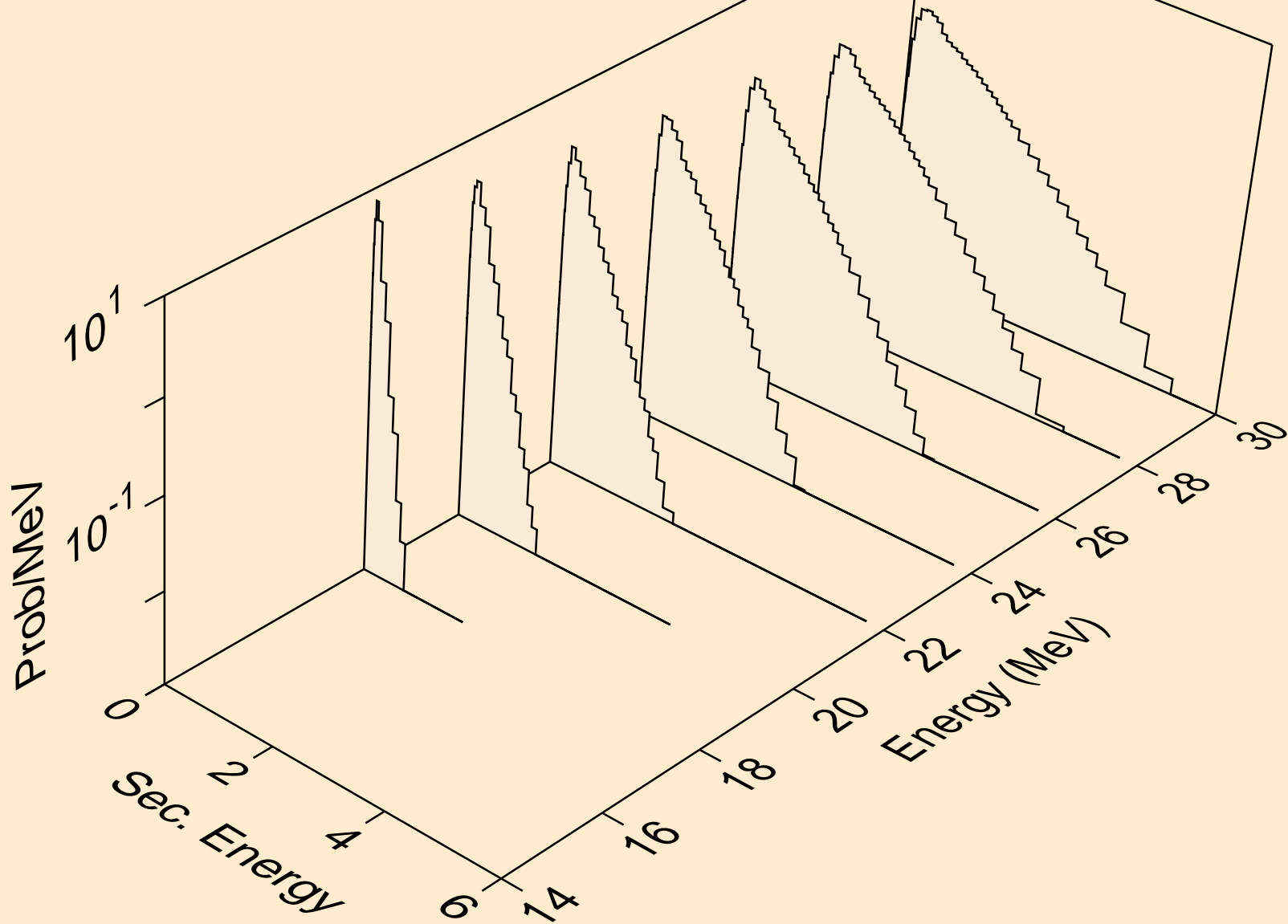
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



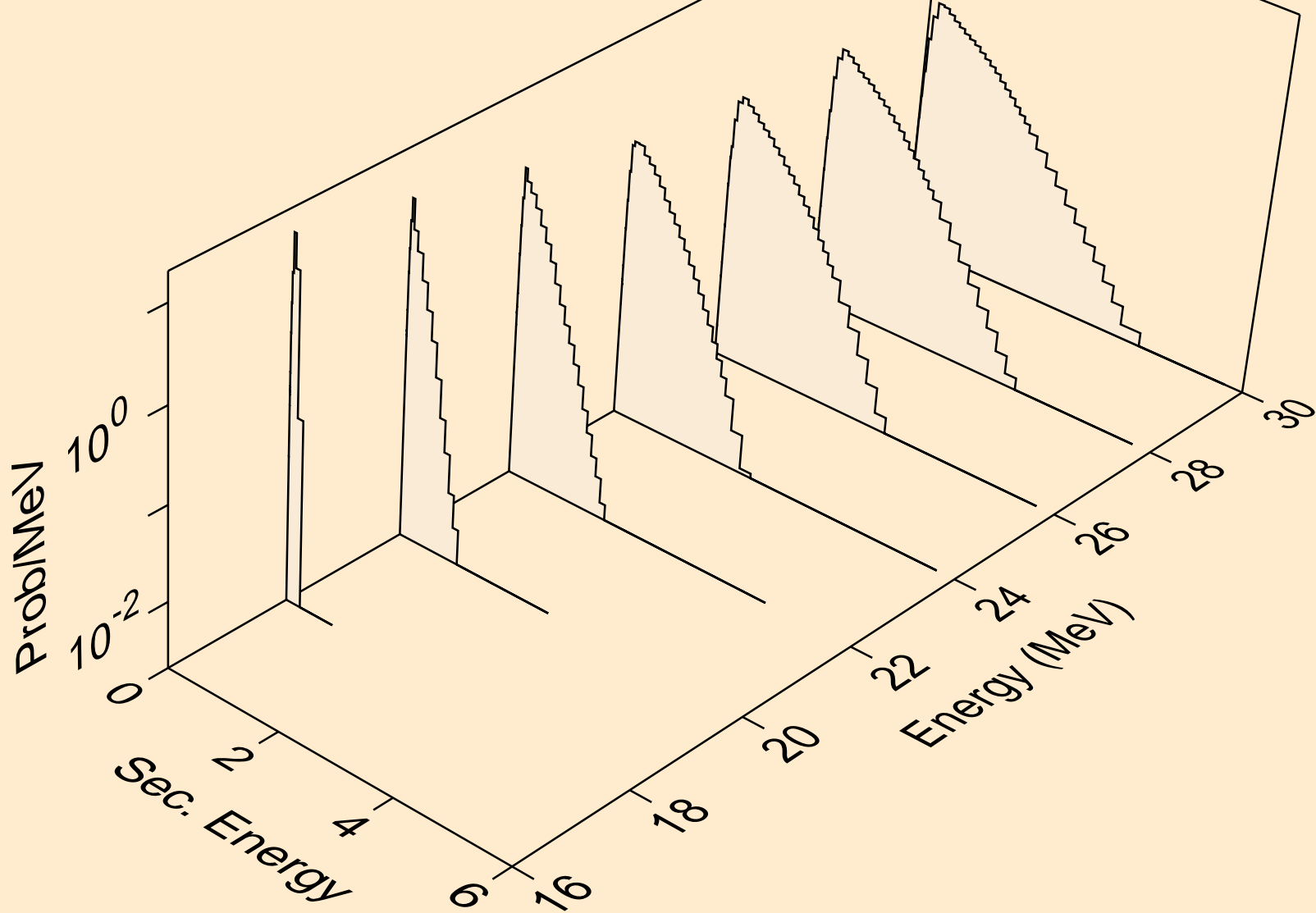
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a



XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d

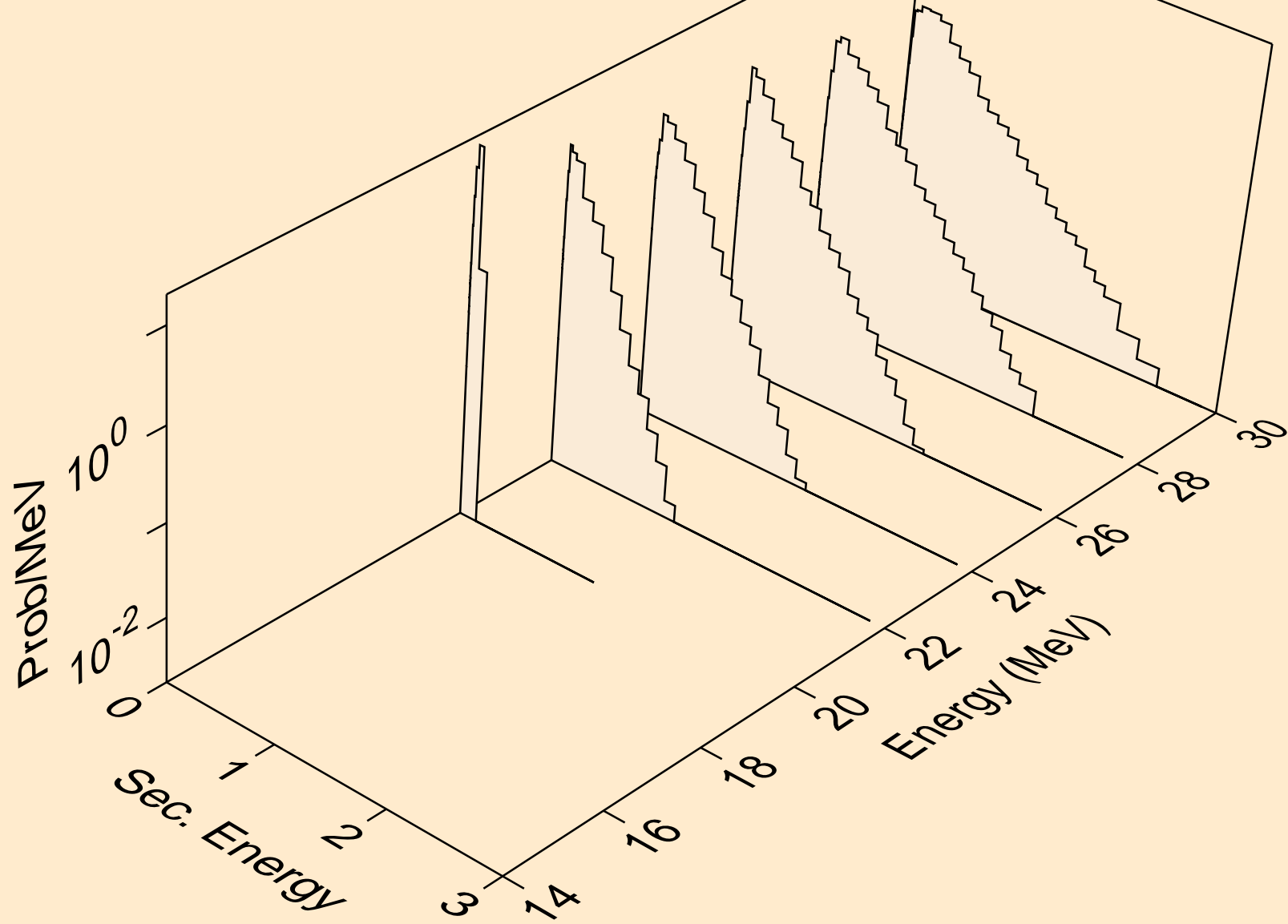


XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t

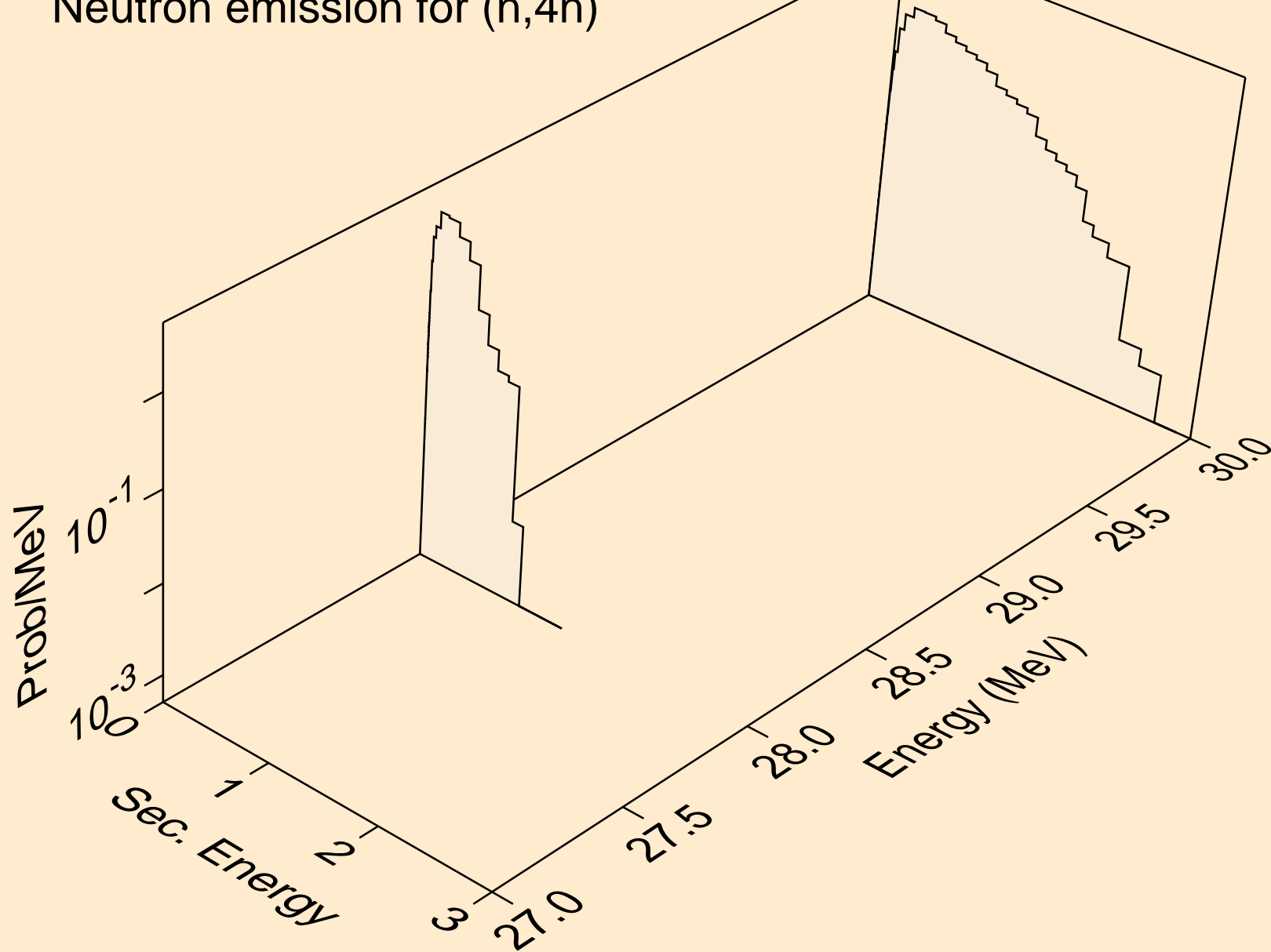




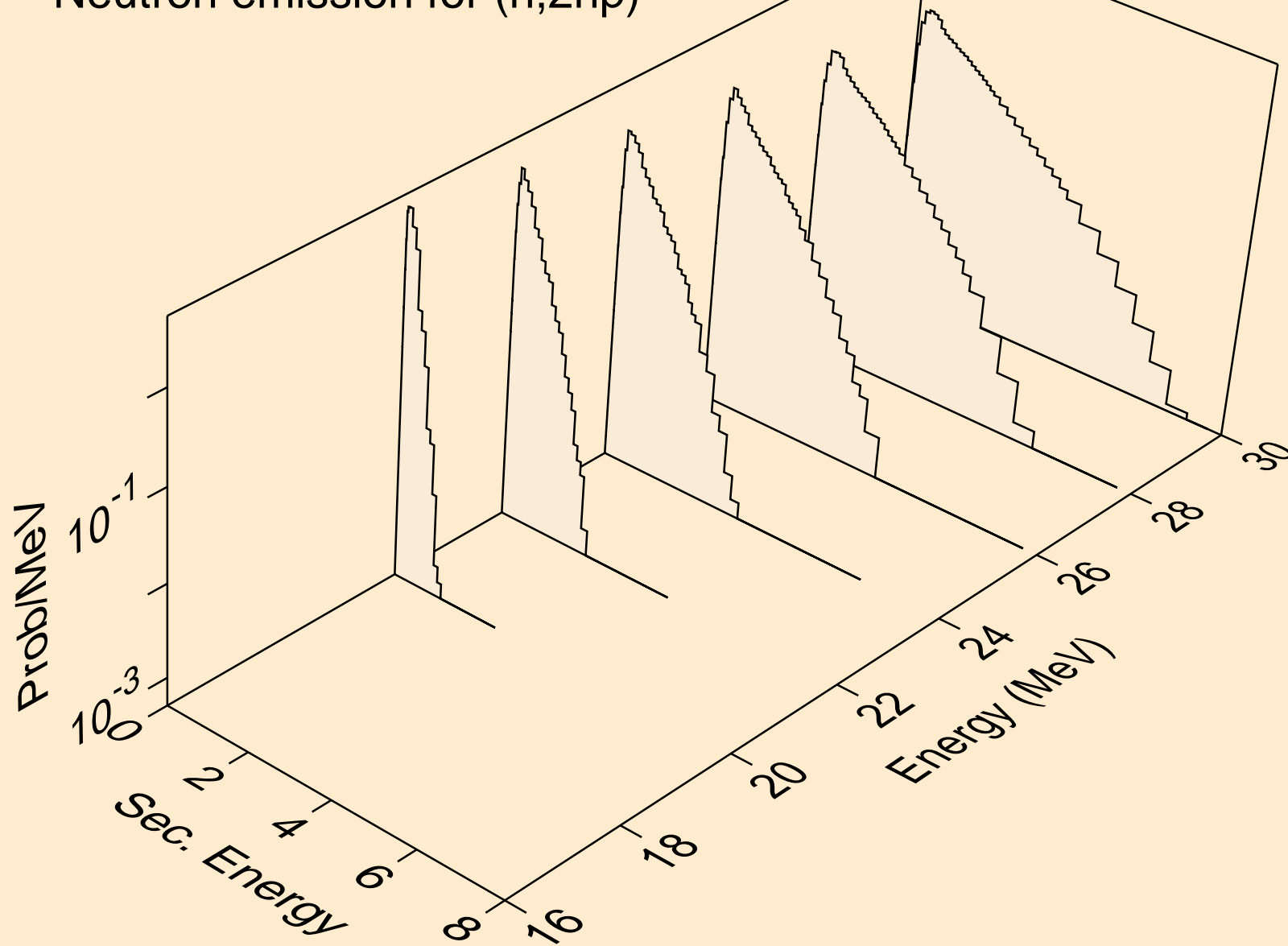
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



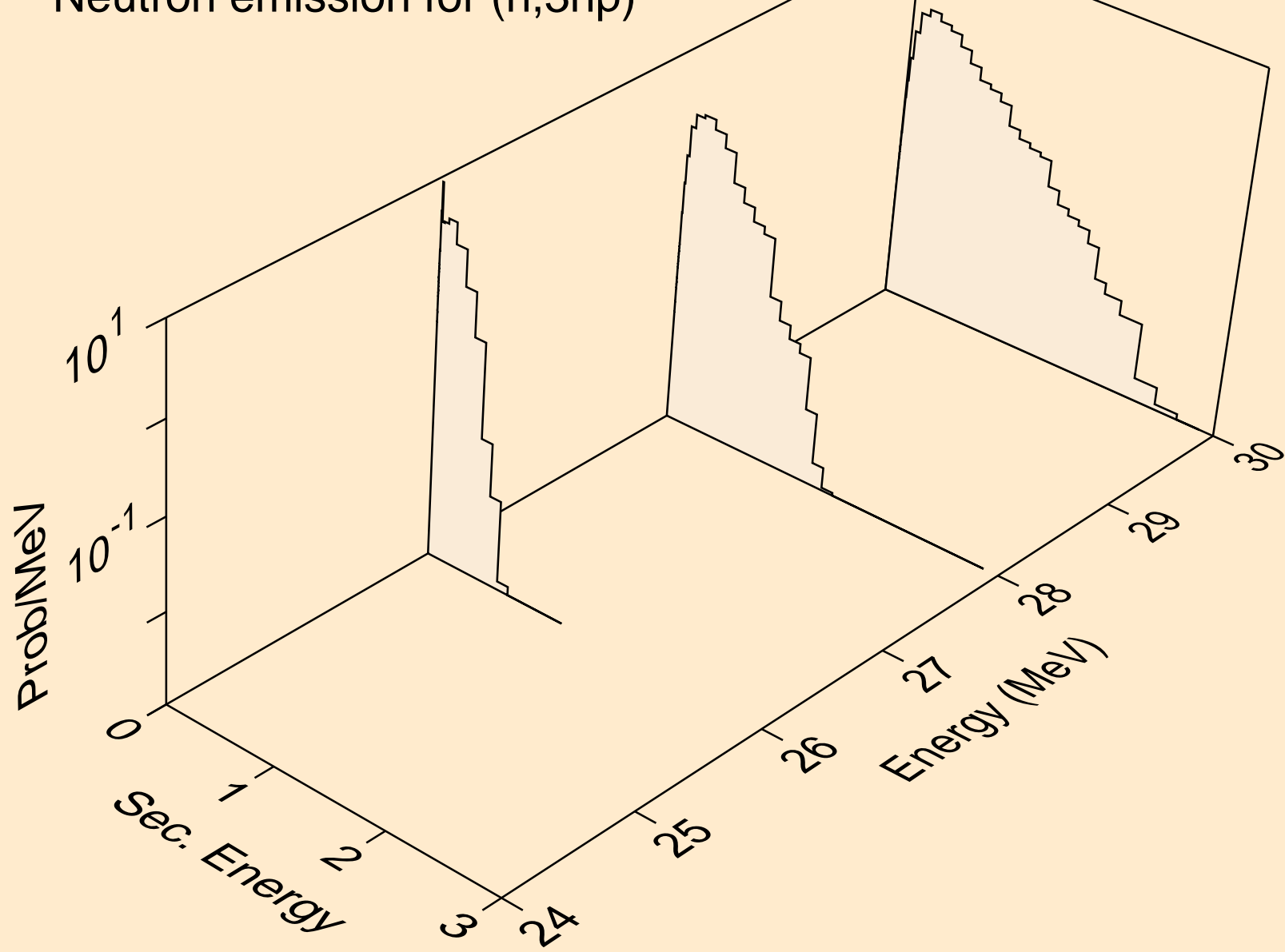
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,4n)



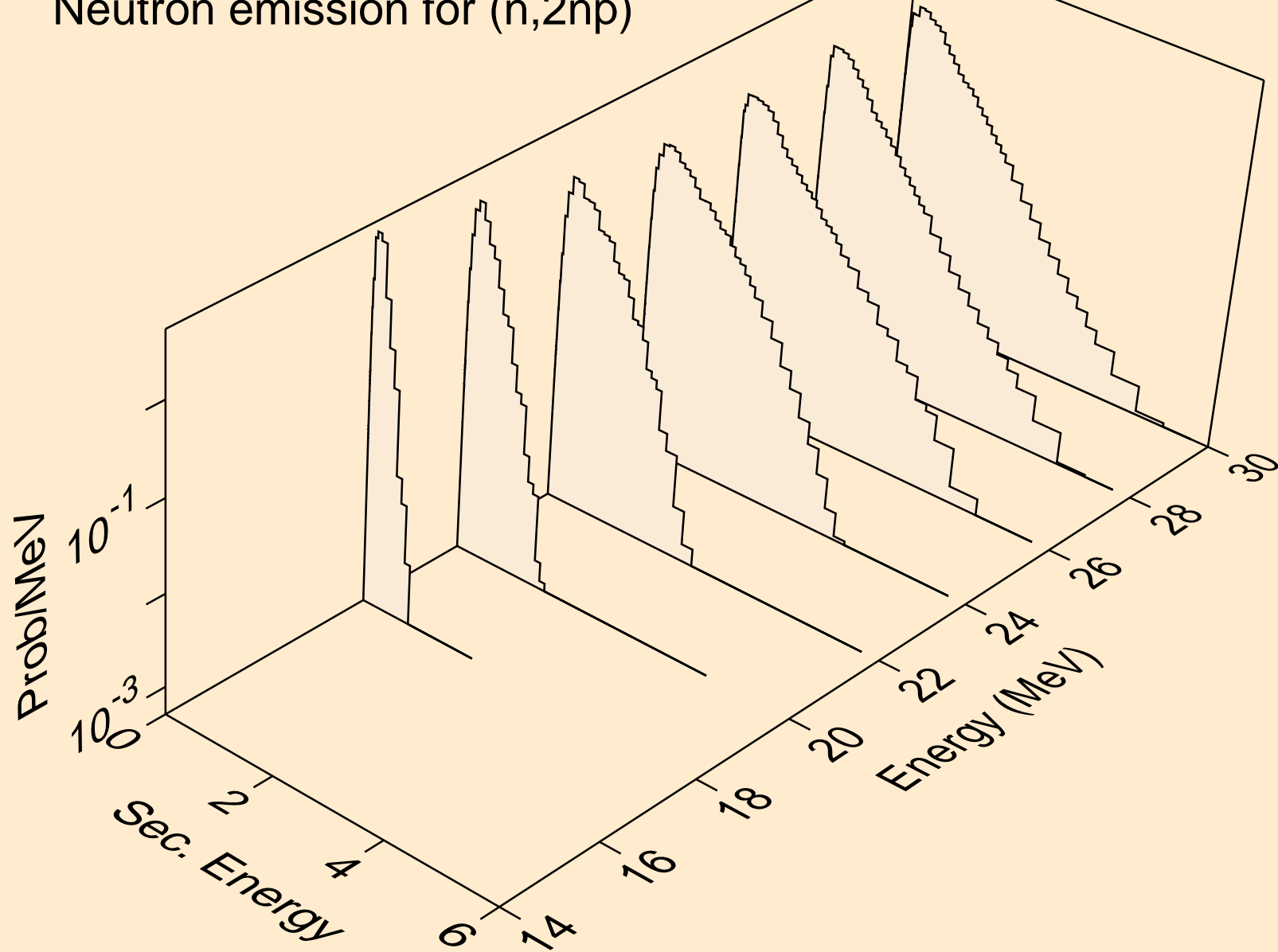
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Neutron emission for (n,2np)



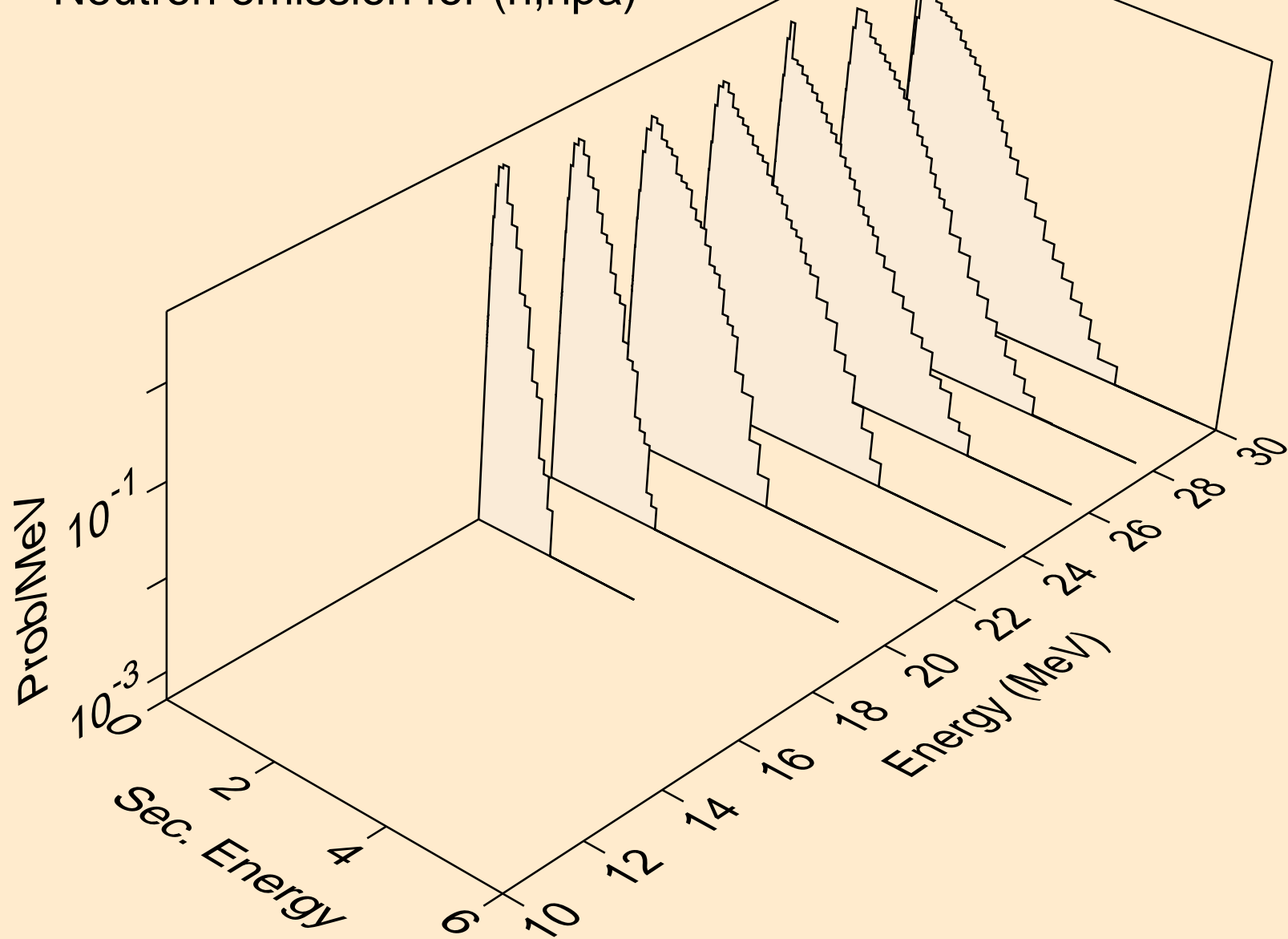
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Neutron emission for (n,3np)



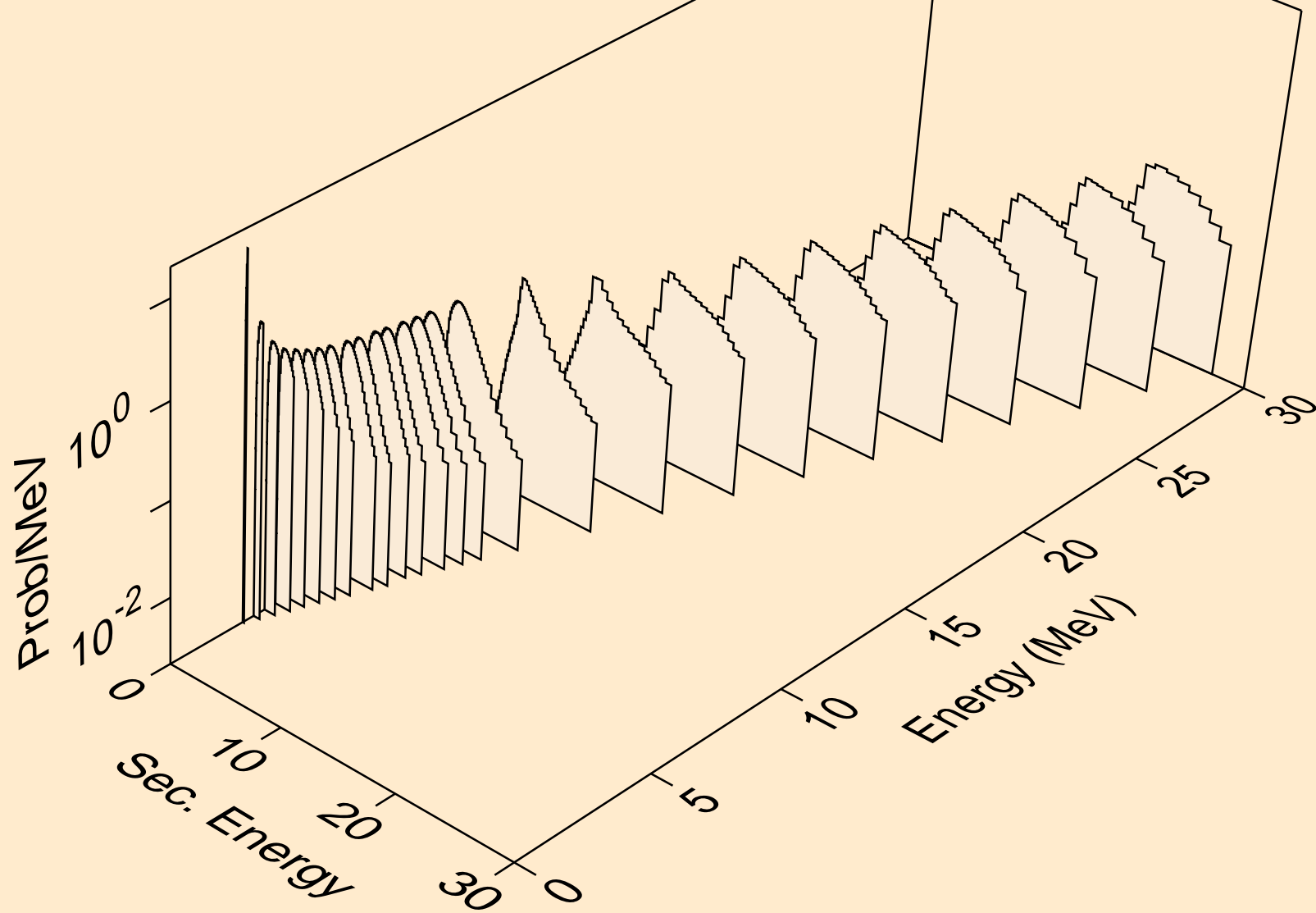
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Neutron emission for (n,2np)



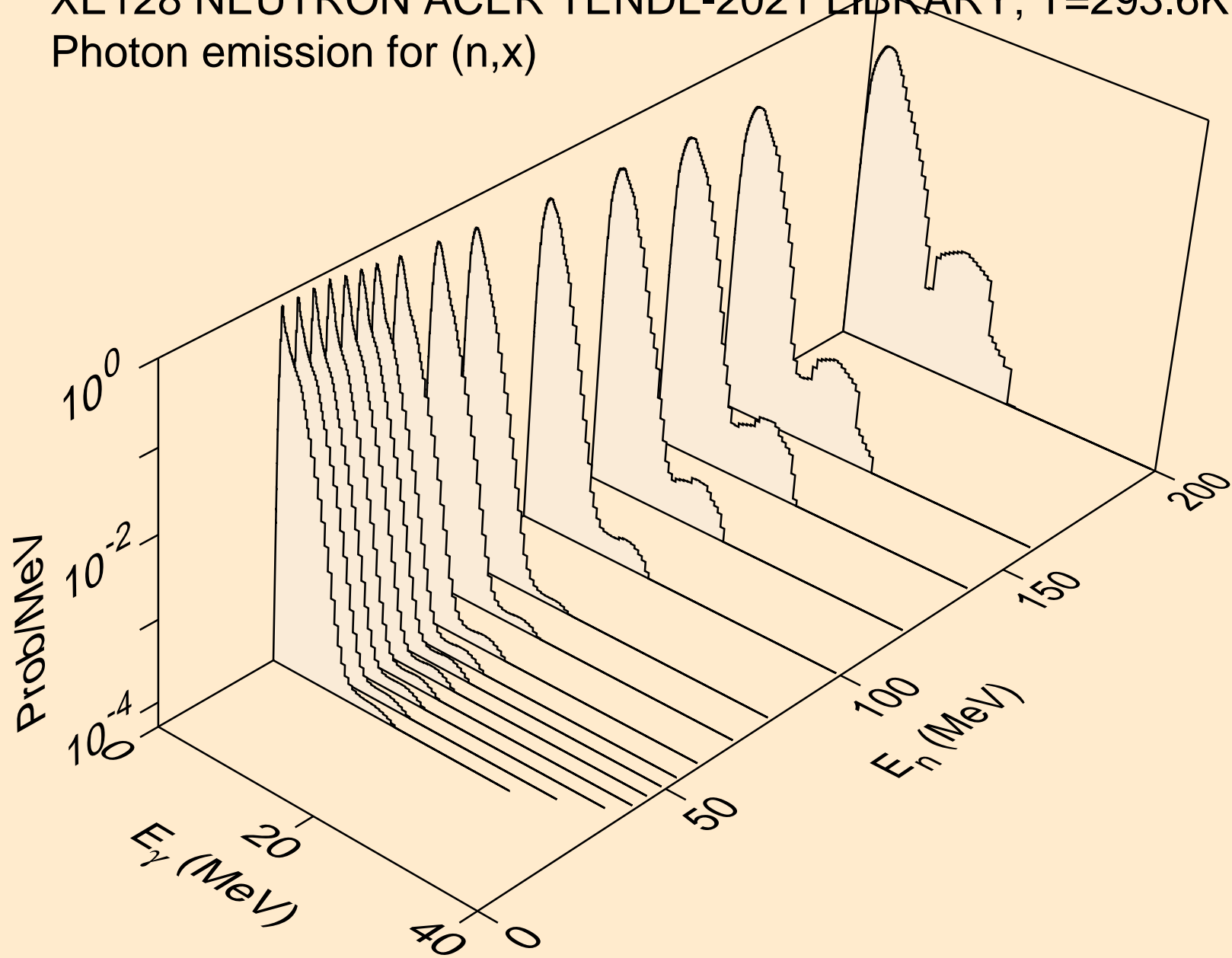
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)



XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)

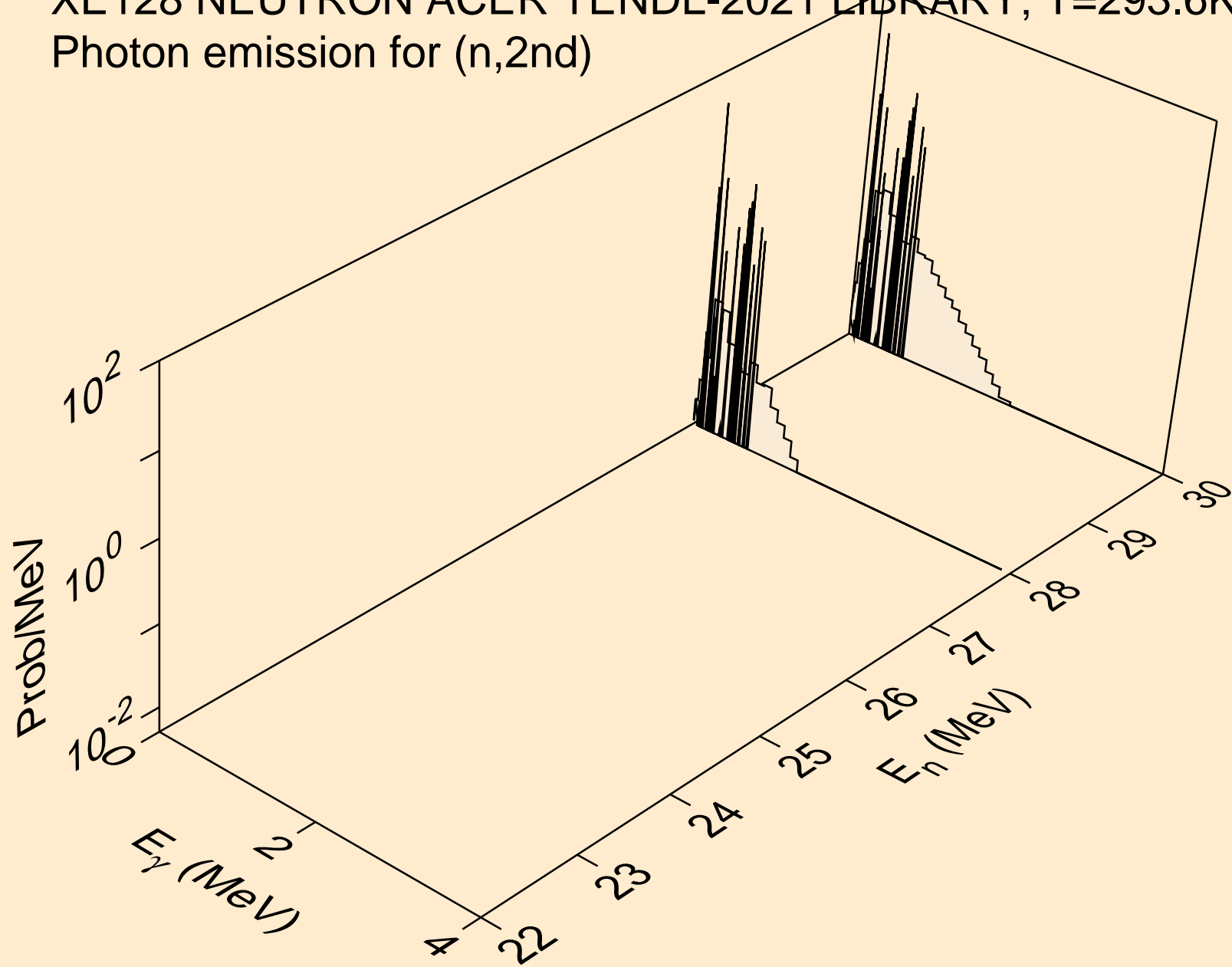


XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)

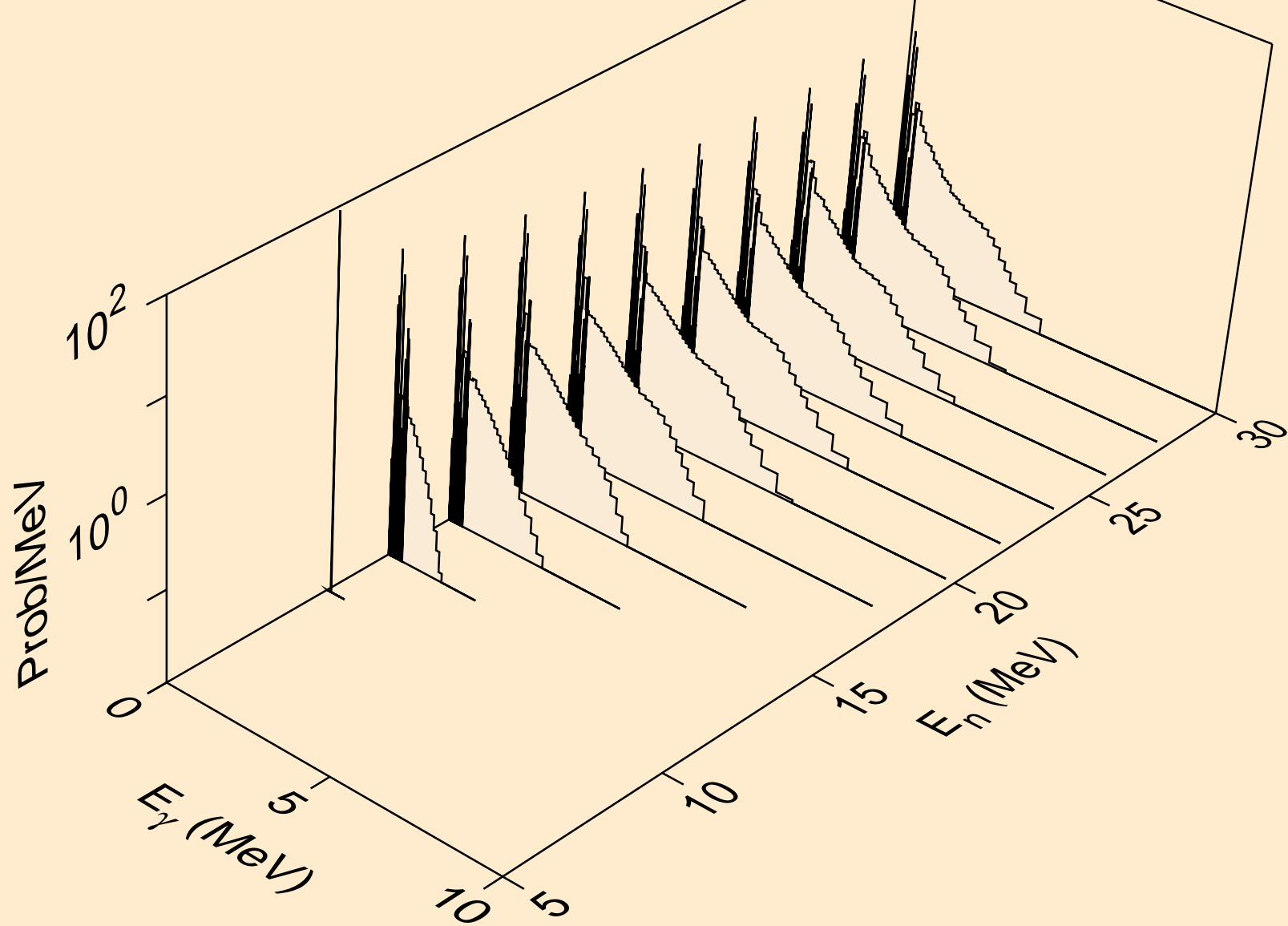




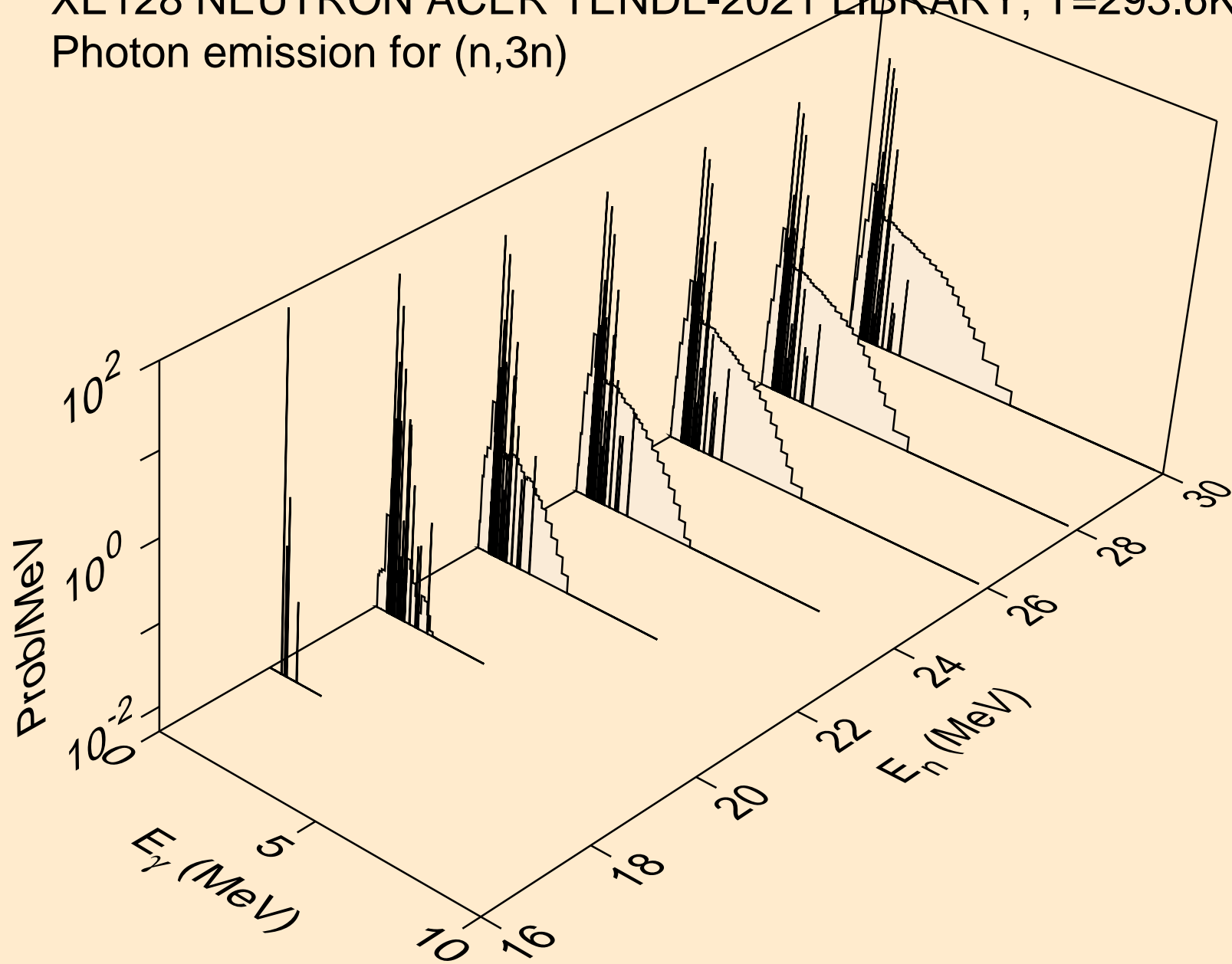
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Photon emission for (n,2nd)



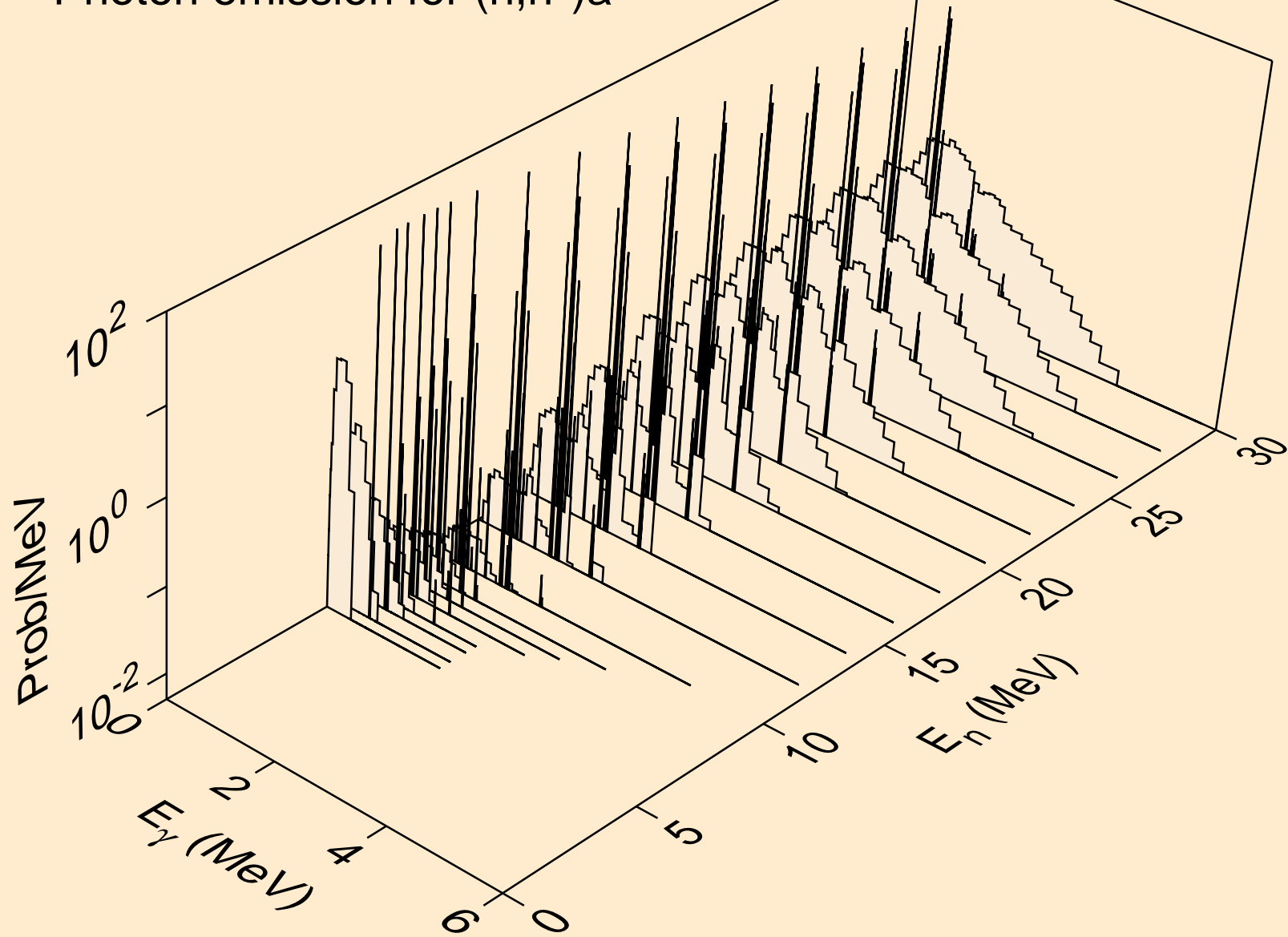
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Photon emission for (n,2n)



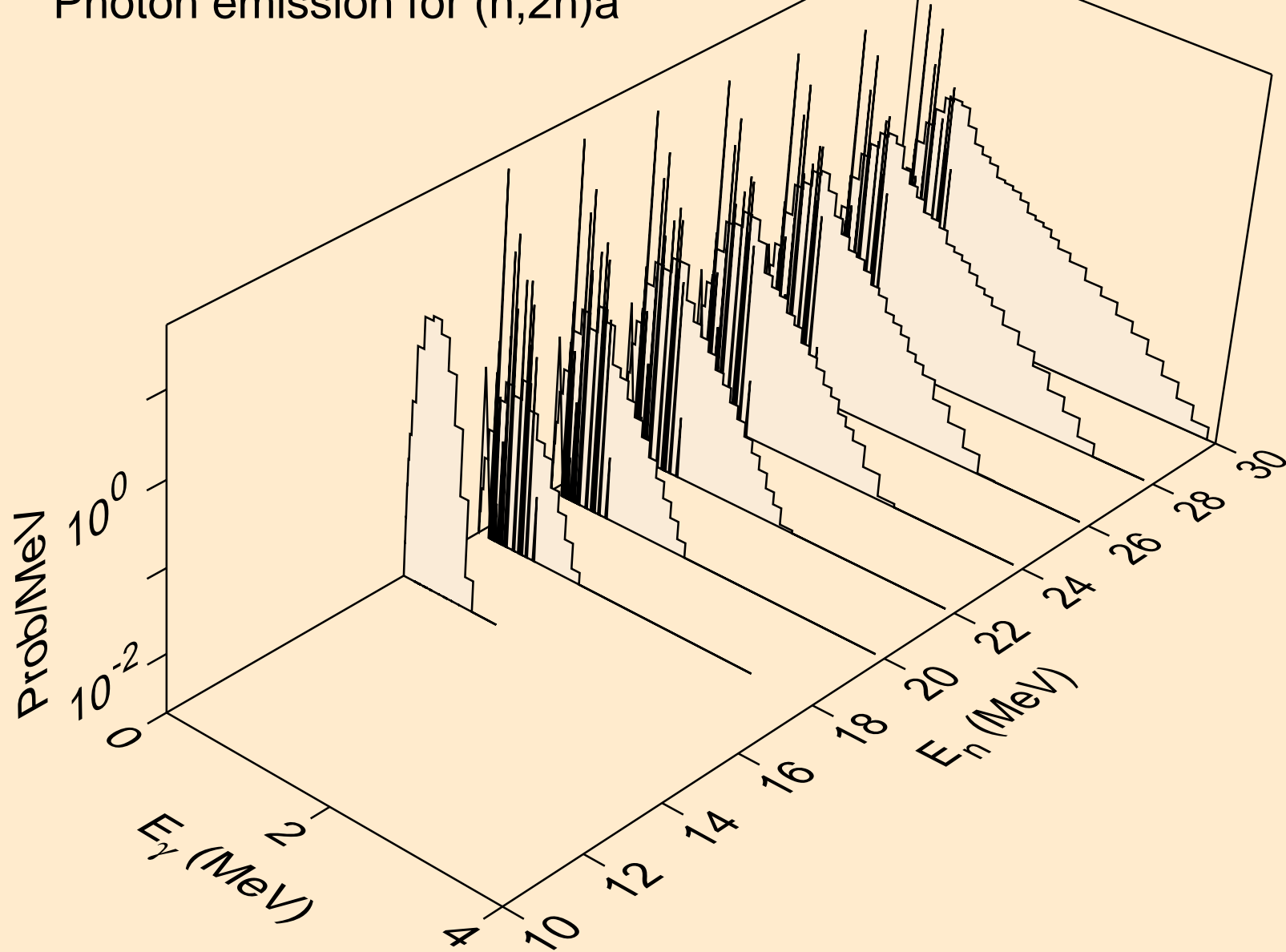
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Photon emission for (n,3n)



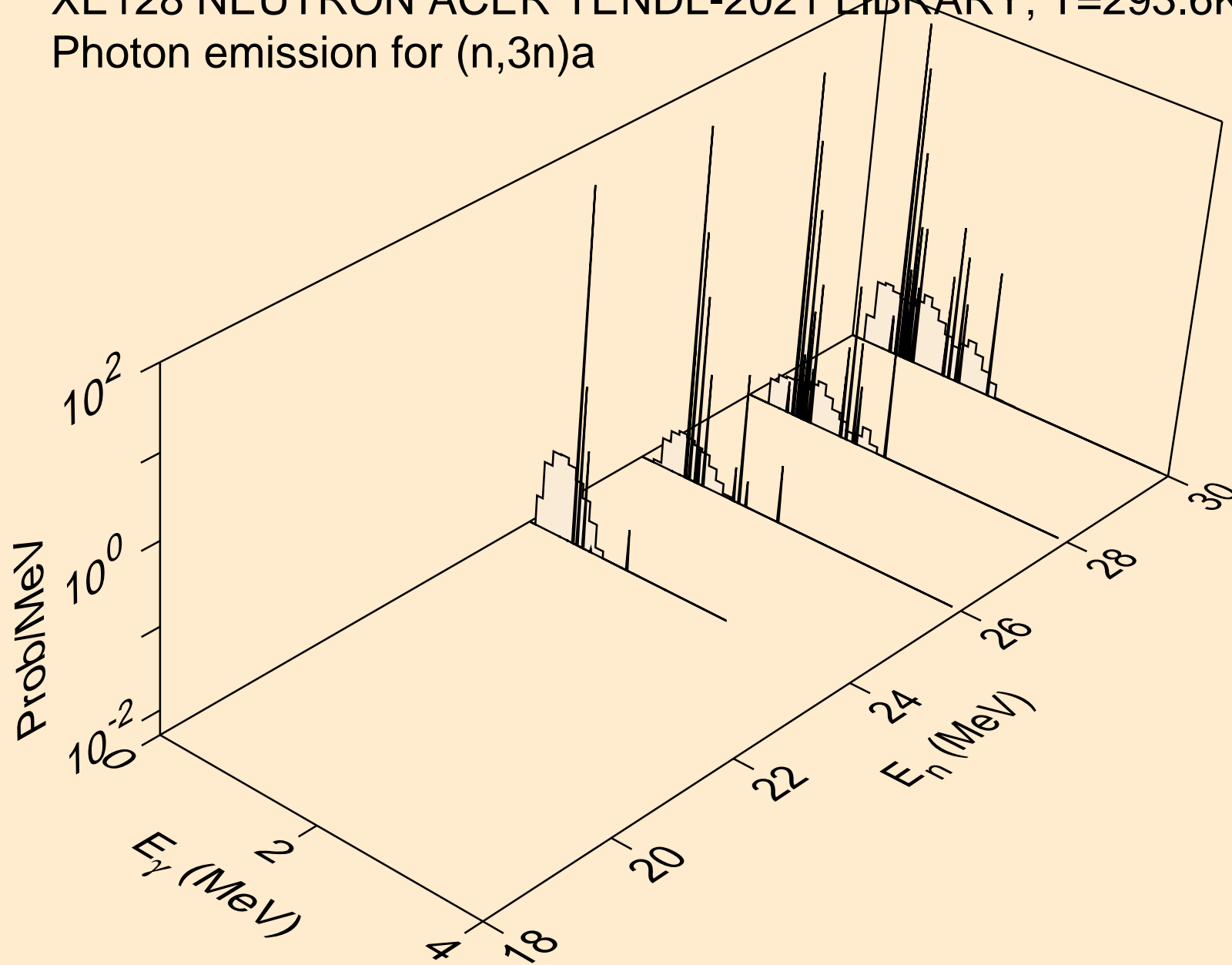
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Photon emission for (n,n\*)a



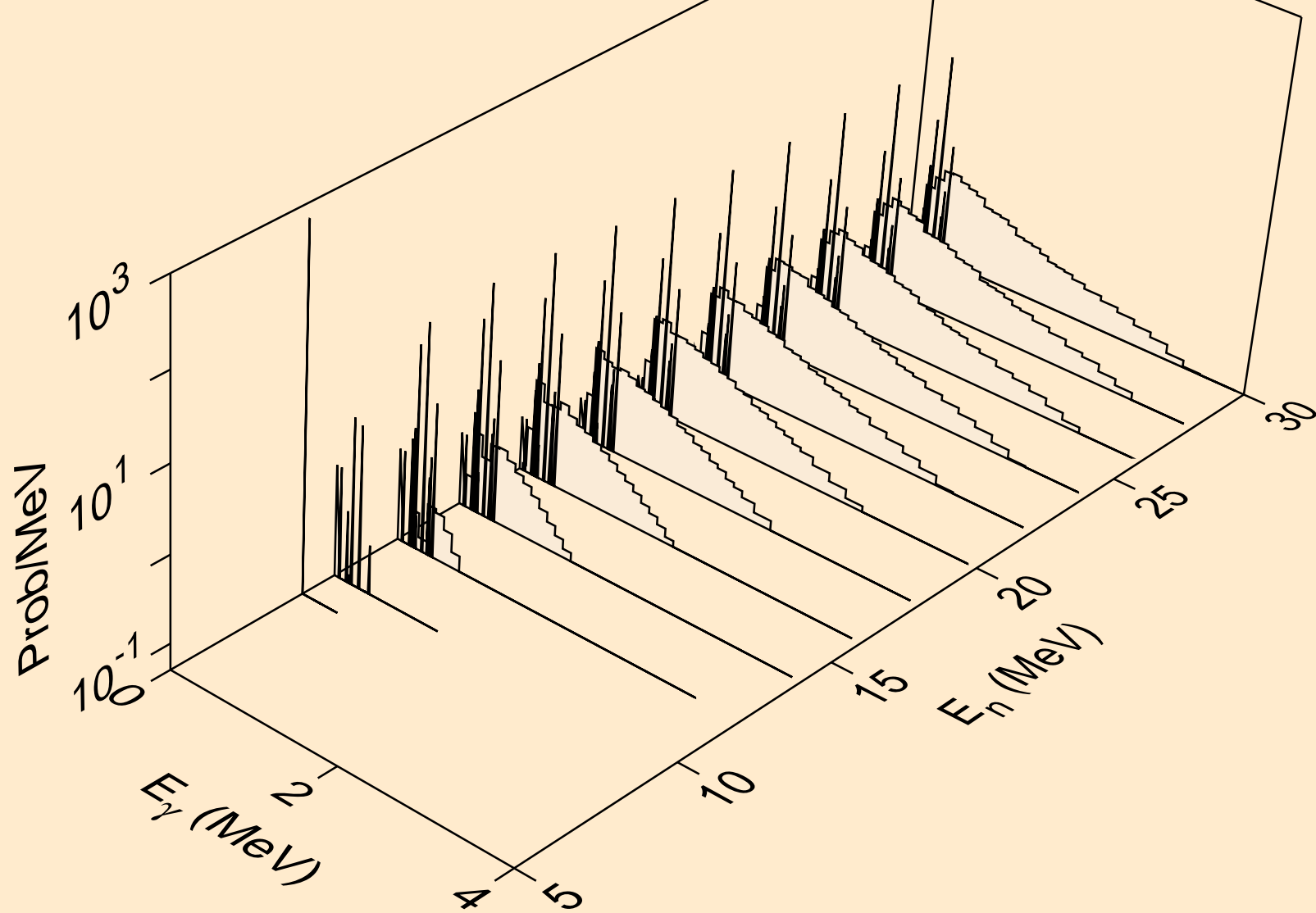
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Photon emission for (n,2n)a



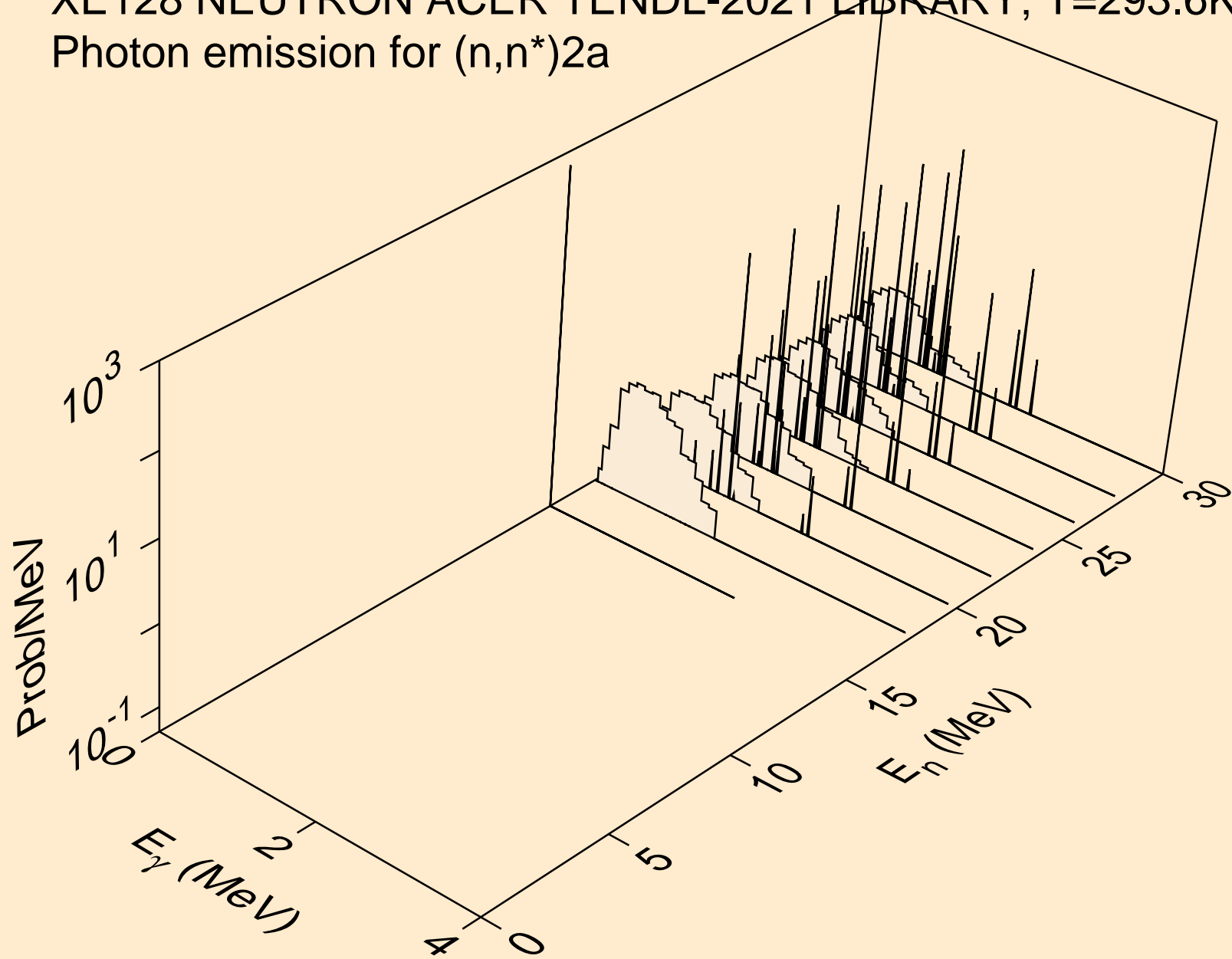
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Photon emission for (n,3n)a



XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p

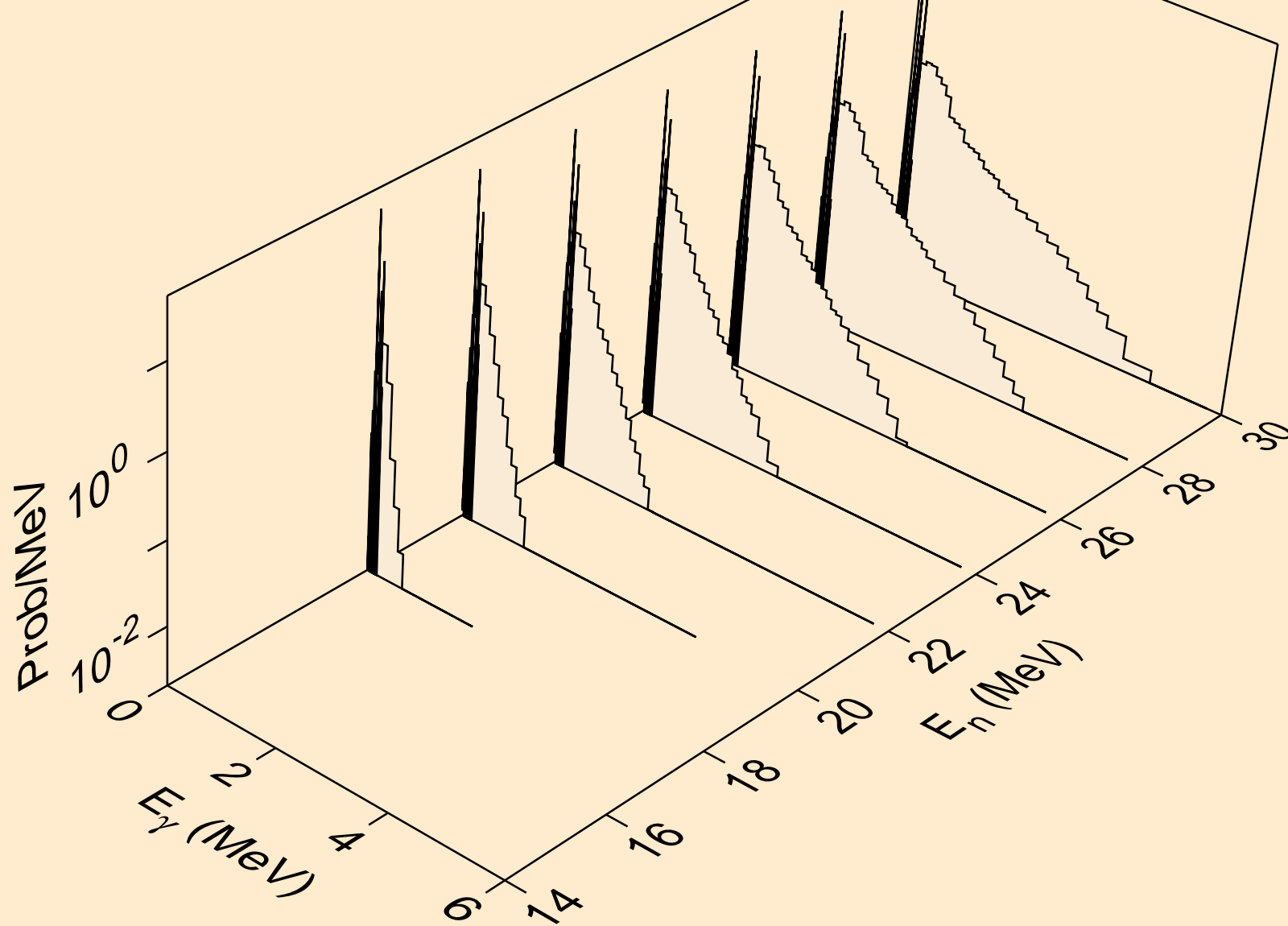


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Photon emission for (n,n\*)2a

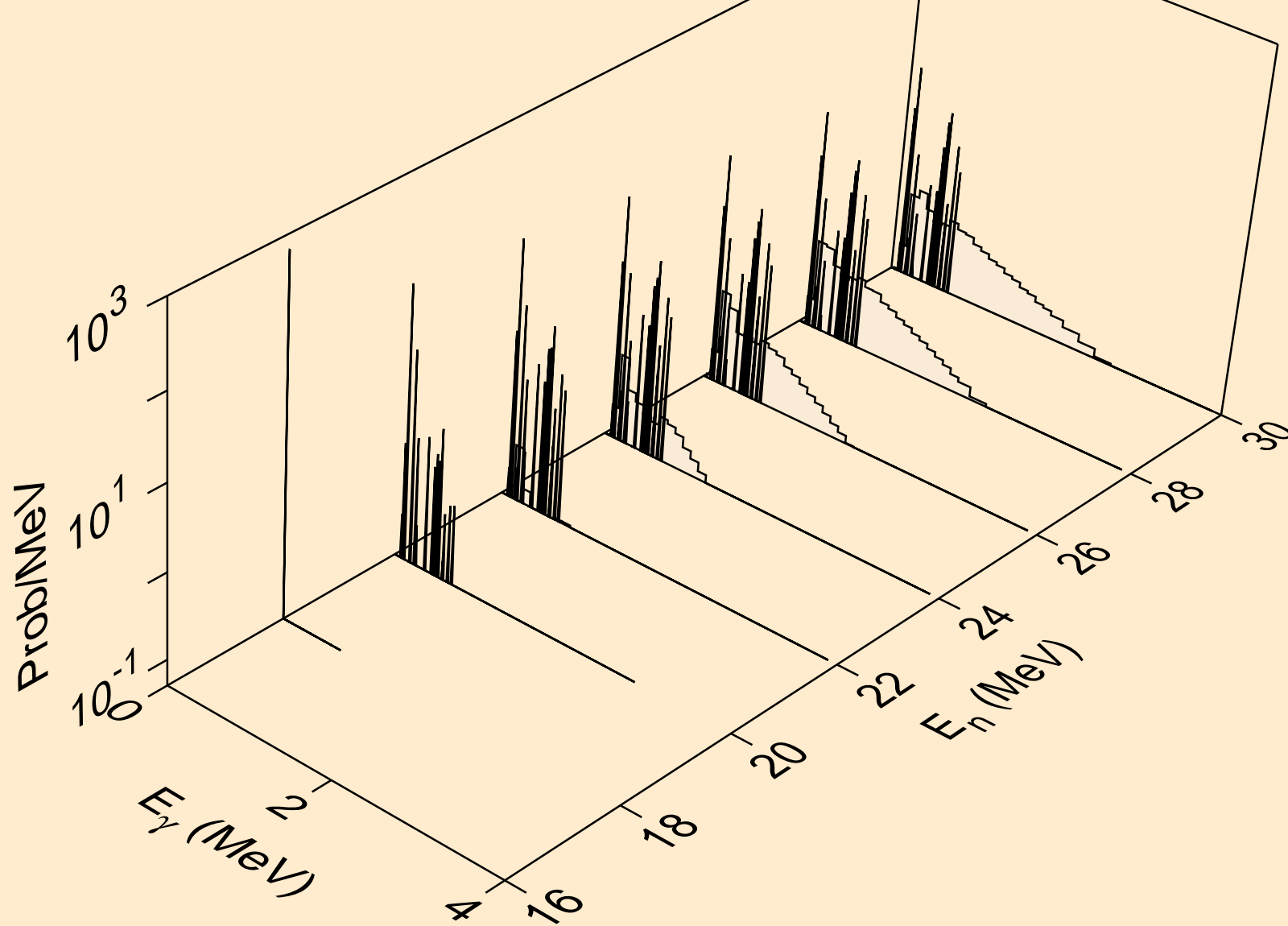




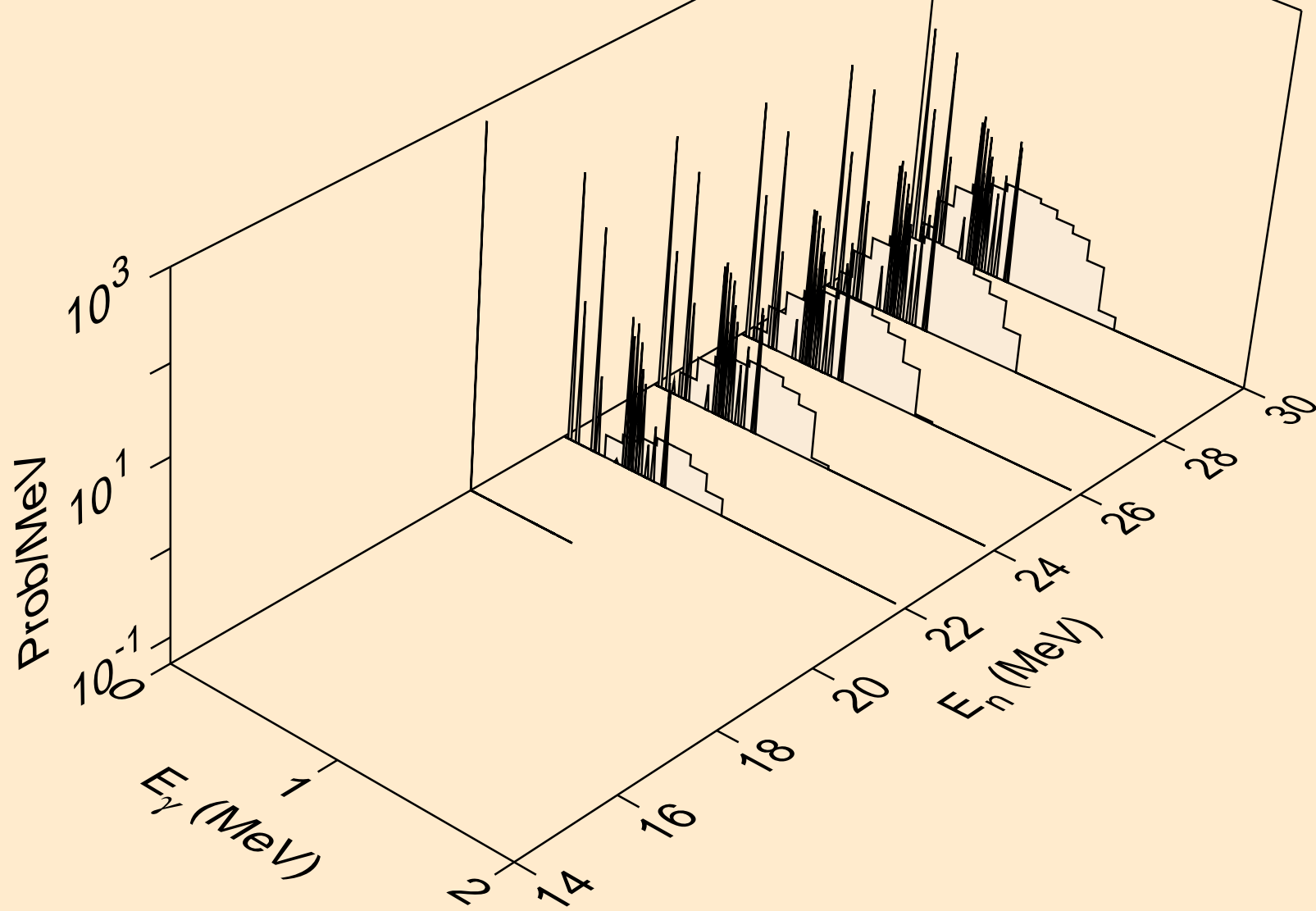
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Photon emission for (n,n\*)d



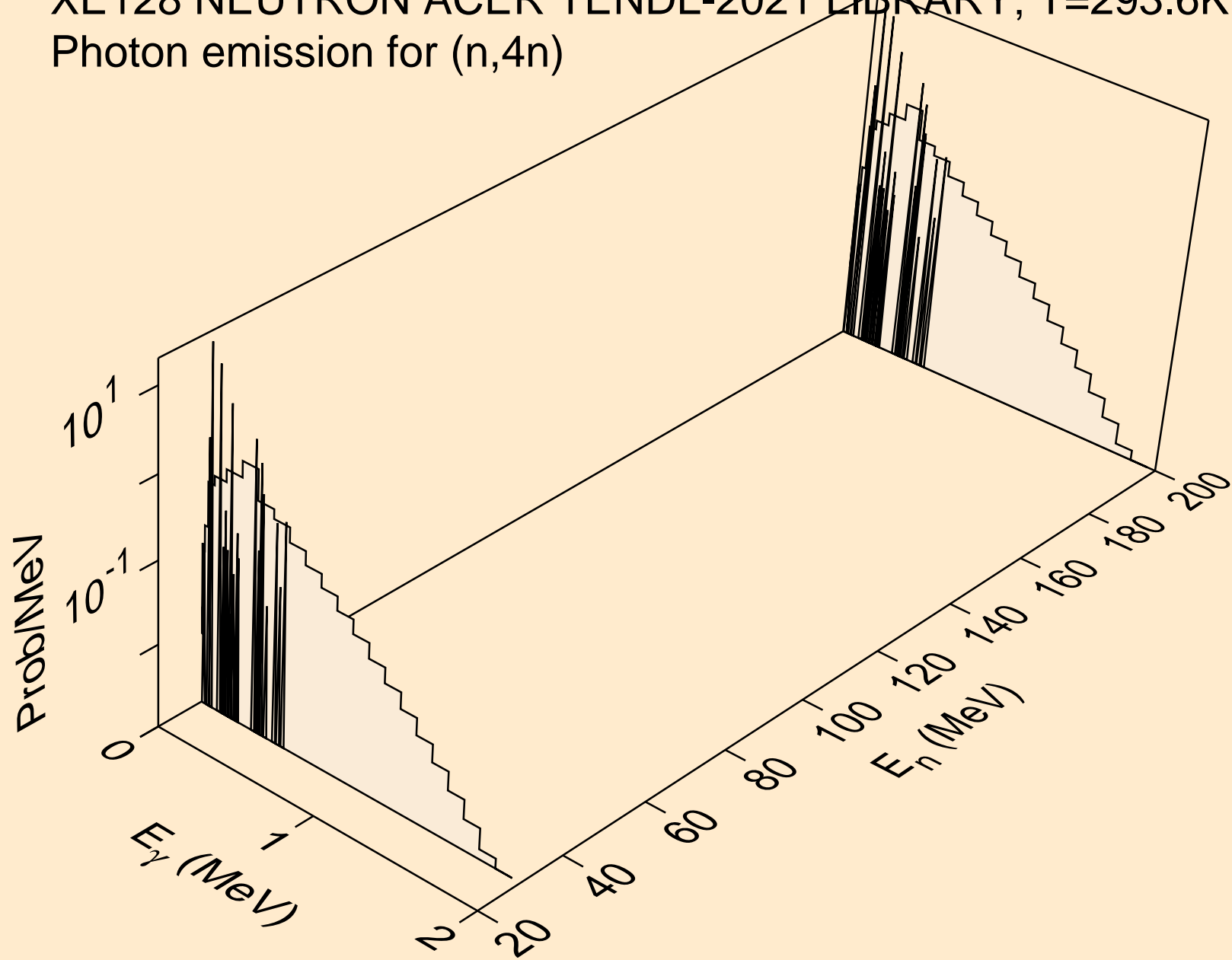
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Photon emission for (n,n\*)t



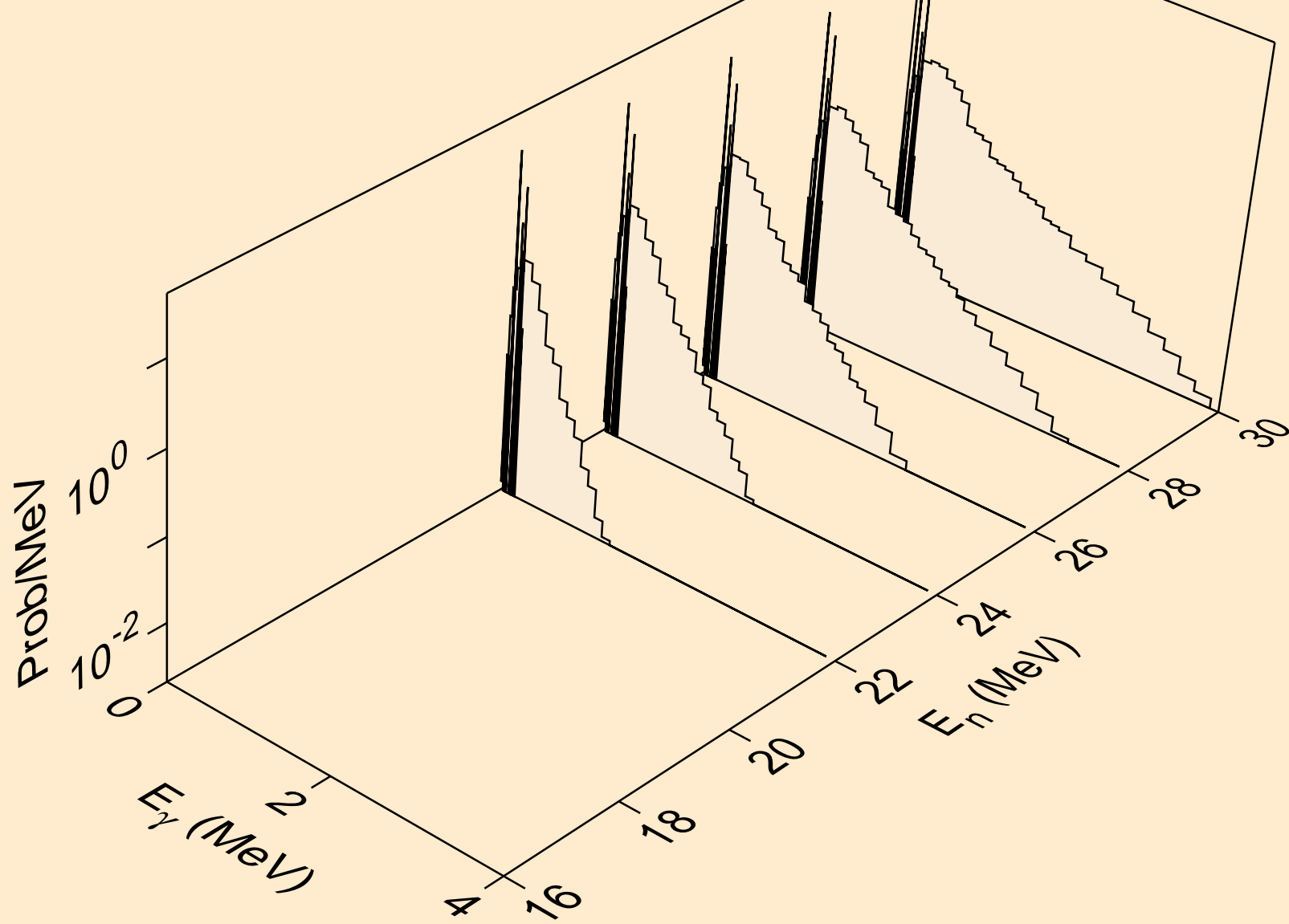
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Photon emission for (n,n\*)he3



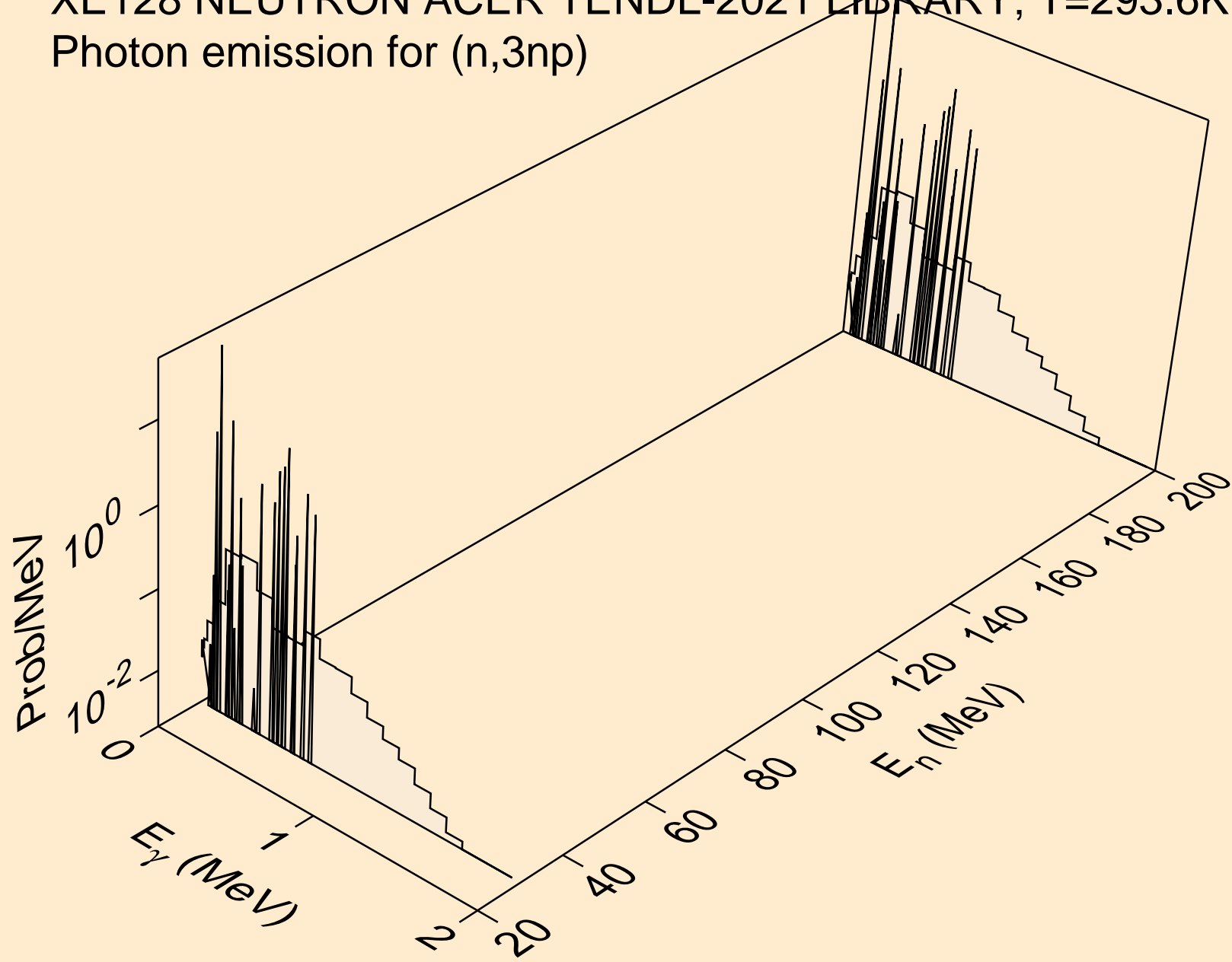
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Photon emission for (n,4n)



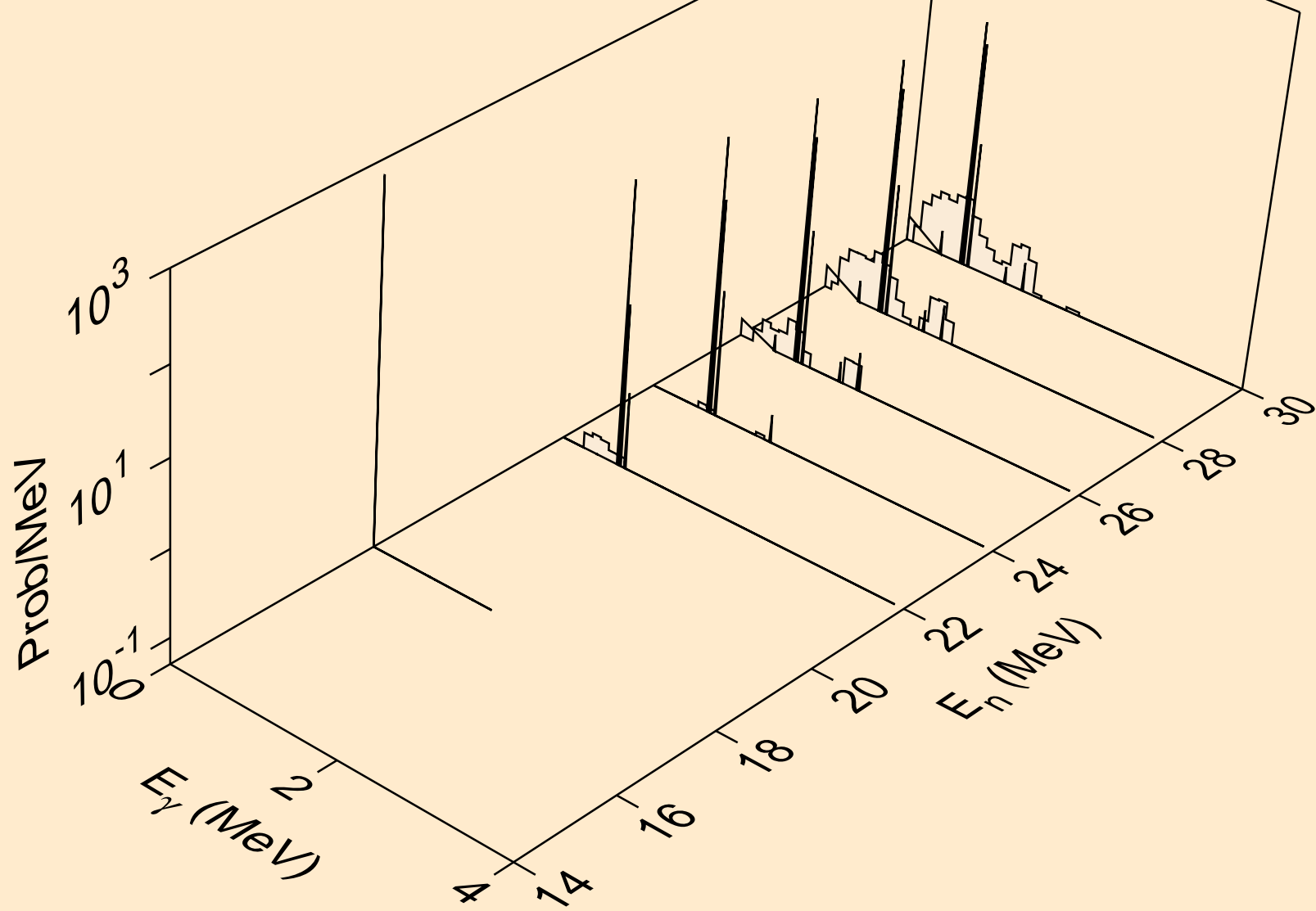
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Photon emission for (n,2np)



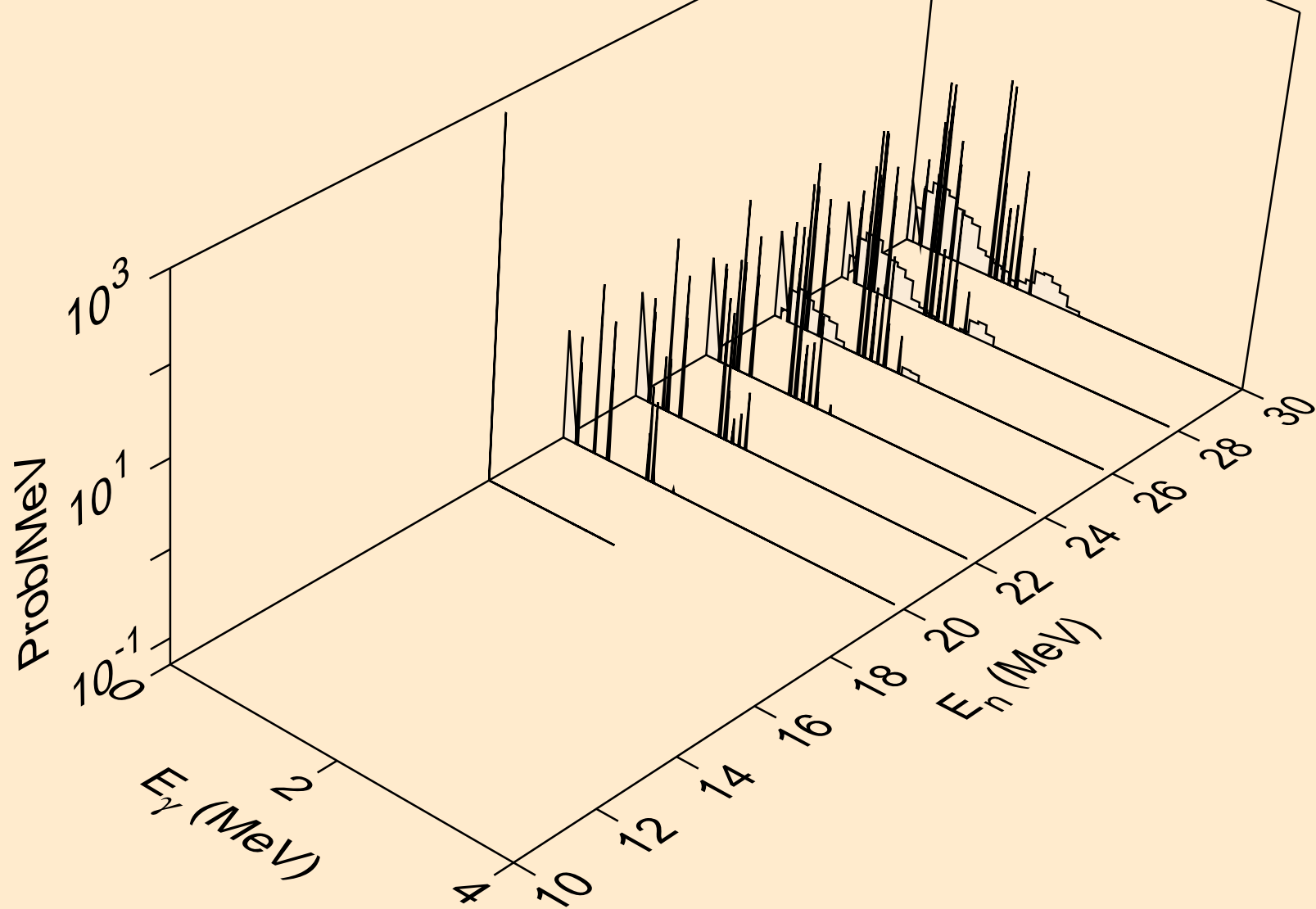
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Photon emission for (n,3np)



XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)

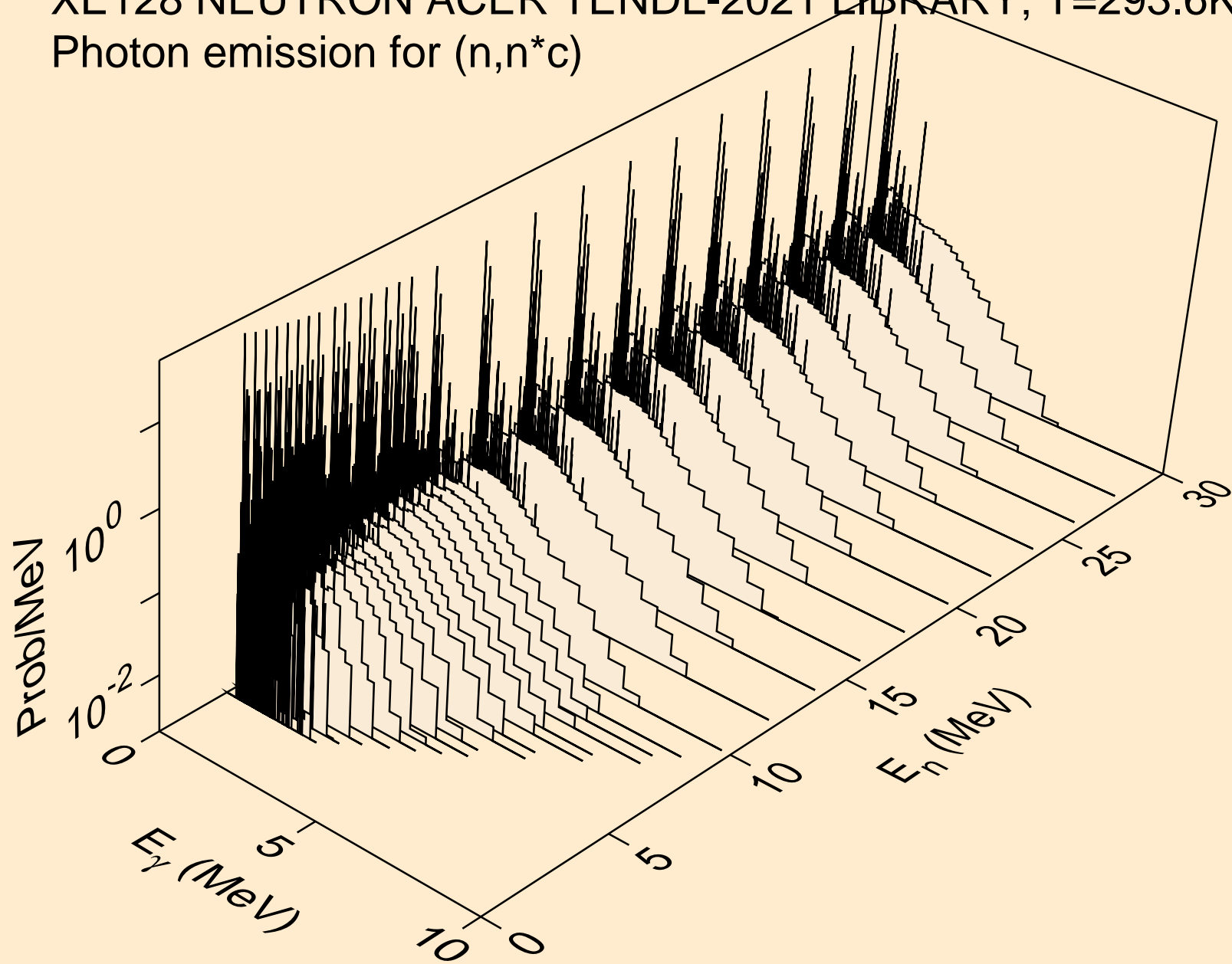


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Photon emission for (n,npa)

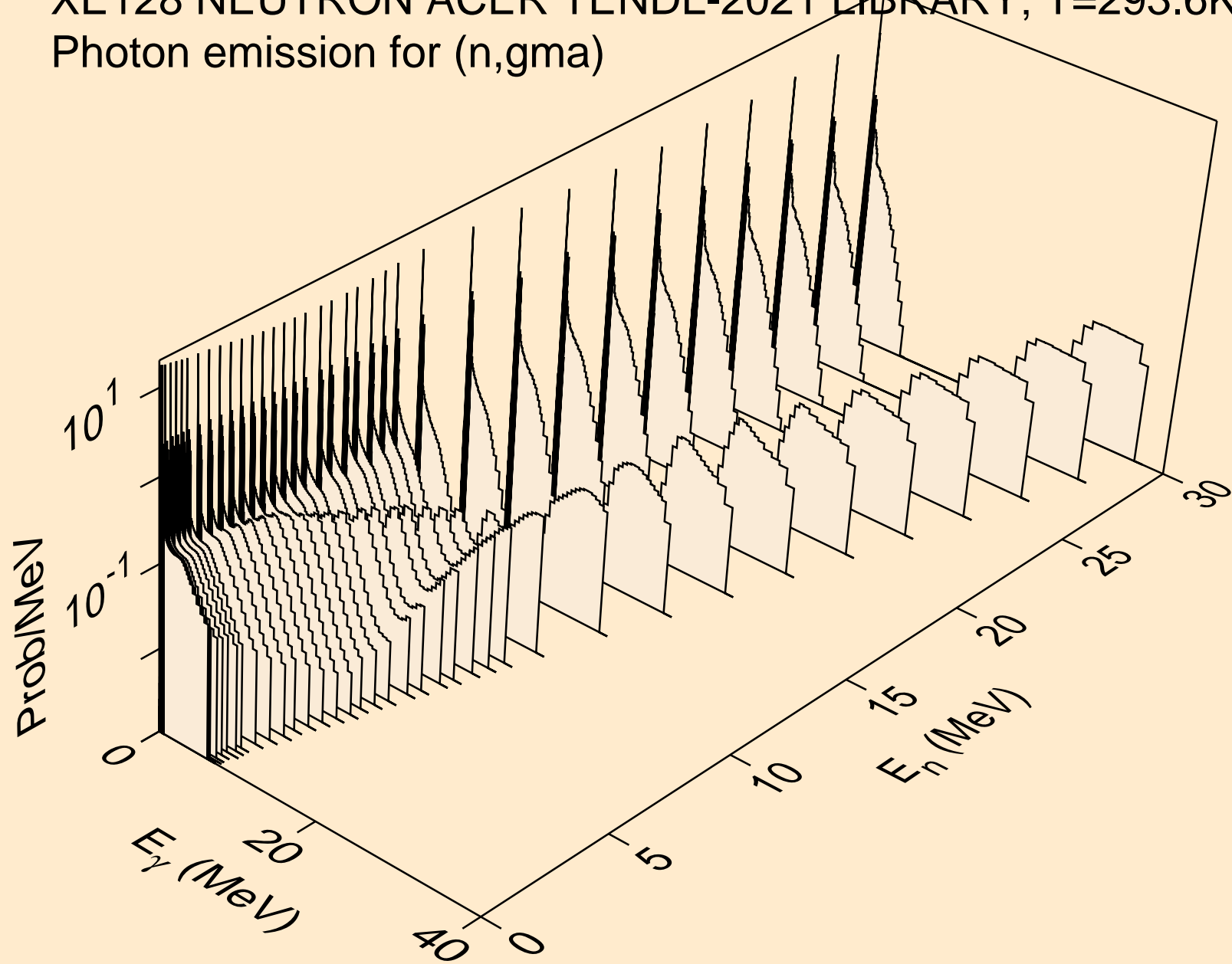




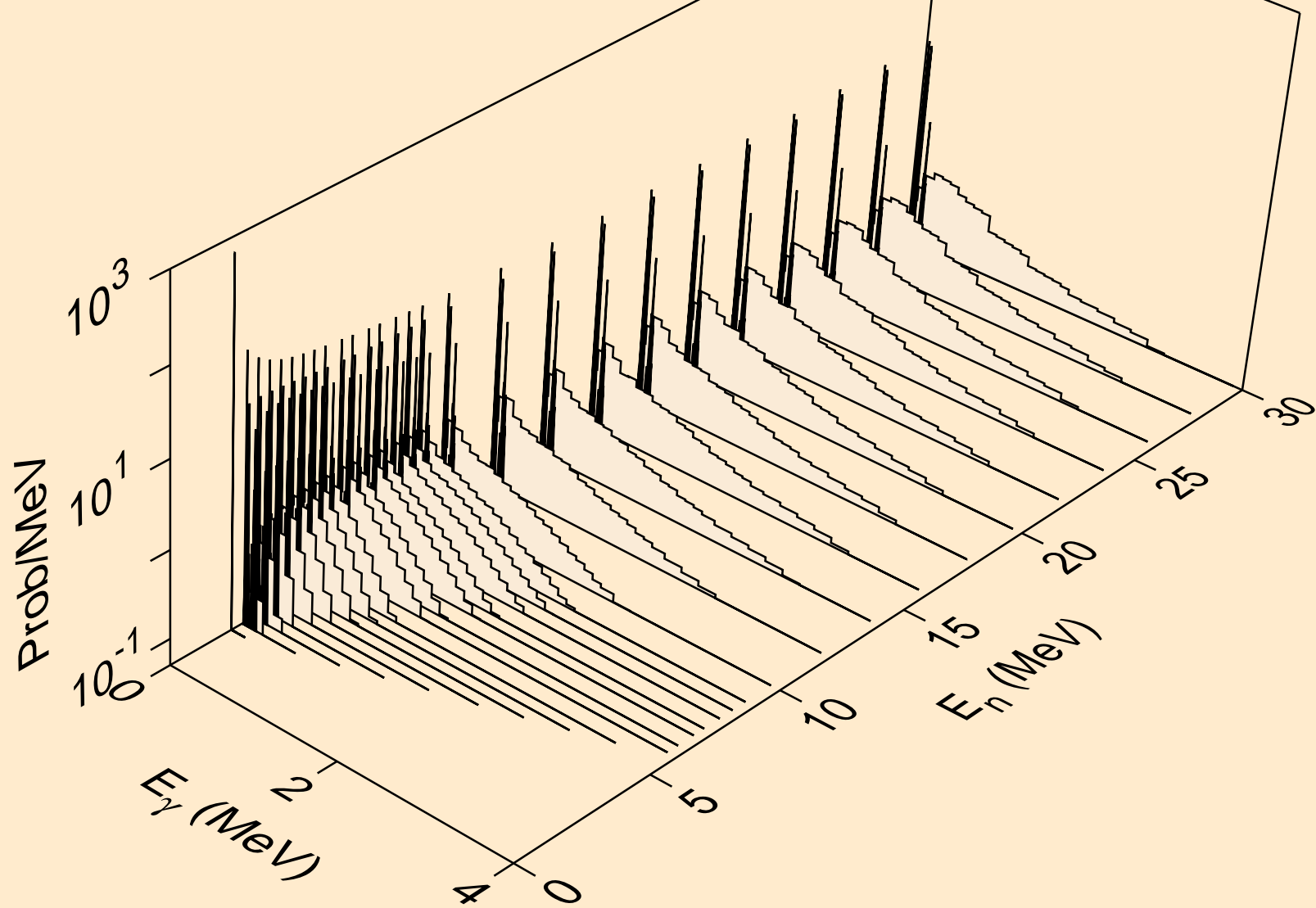
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Photon emission for (n,n\*c)



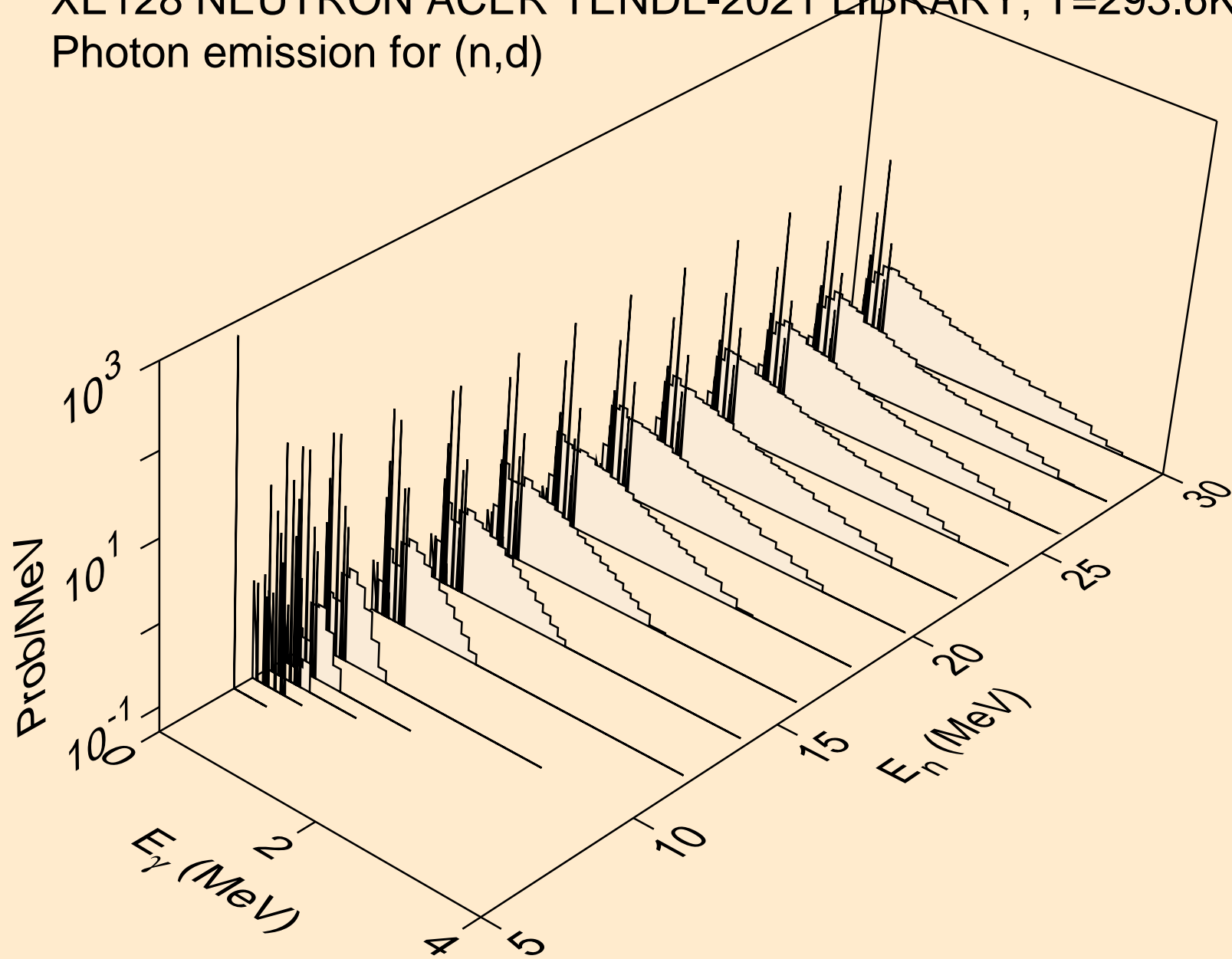
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Photon emission for (n,gma)



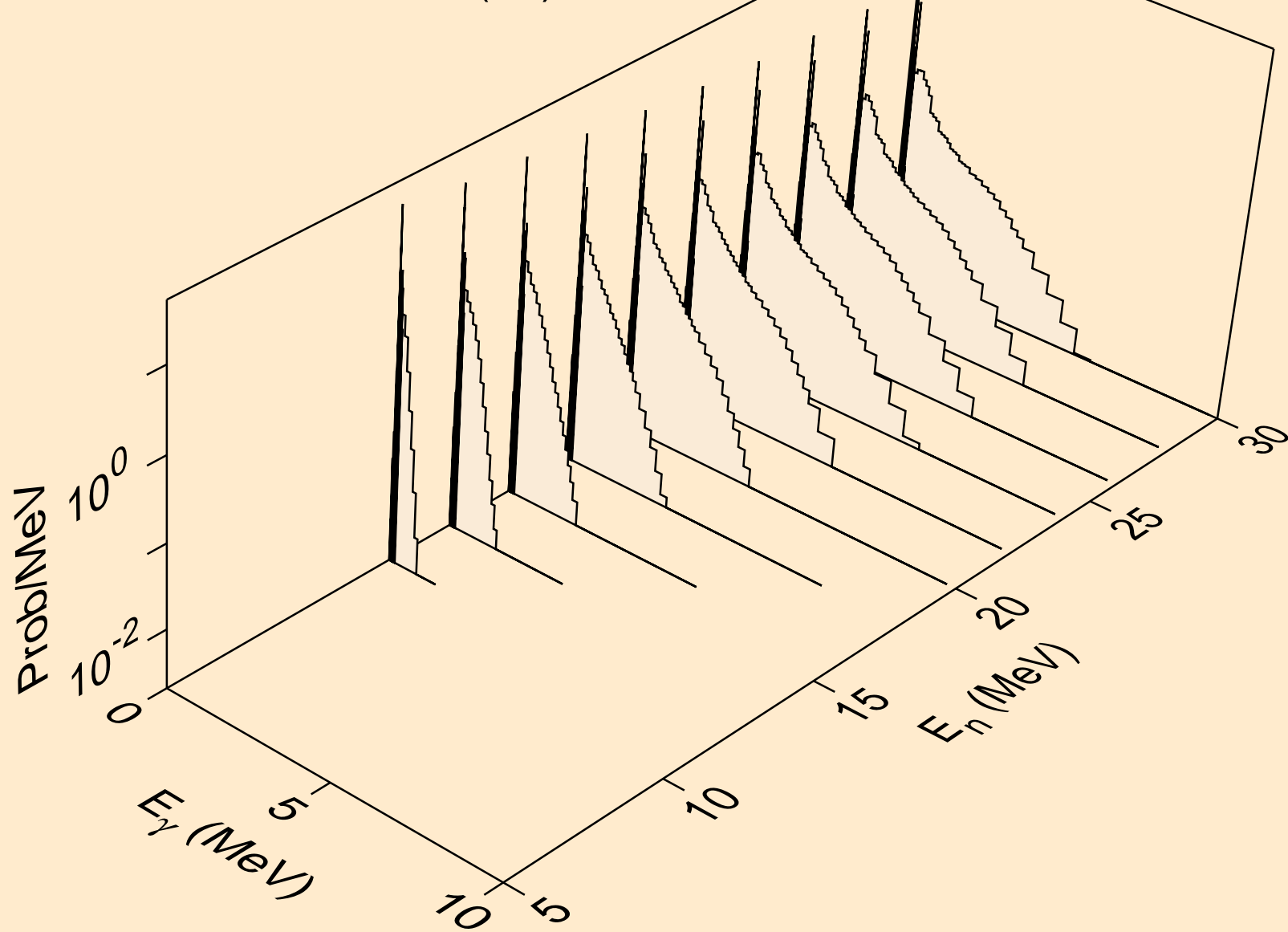
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Photon emission for (n,p)



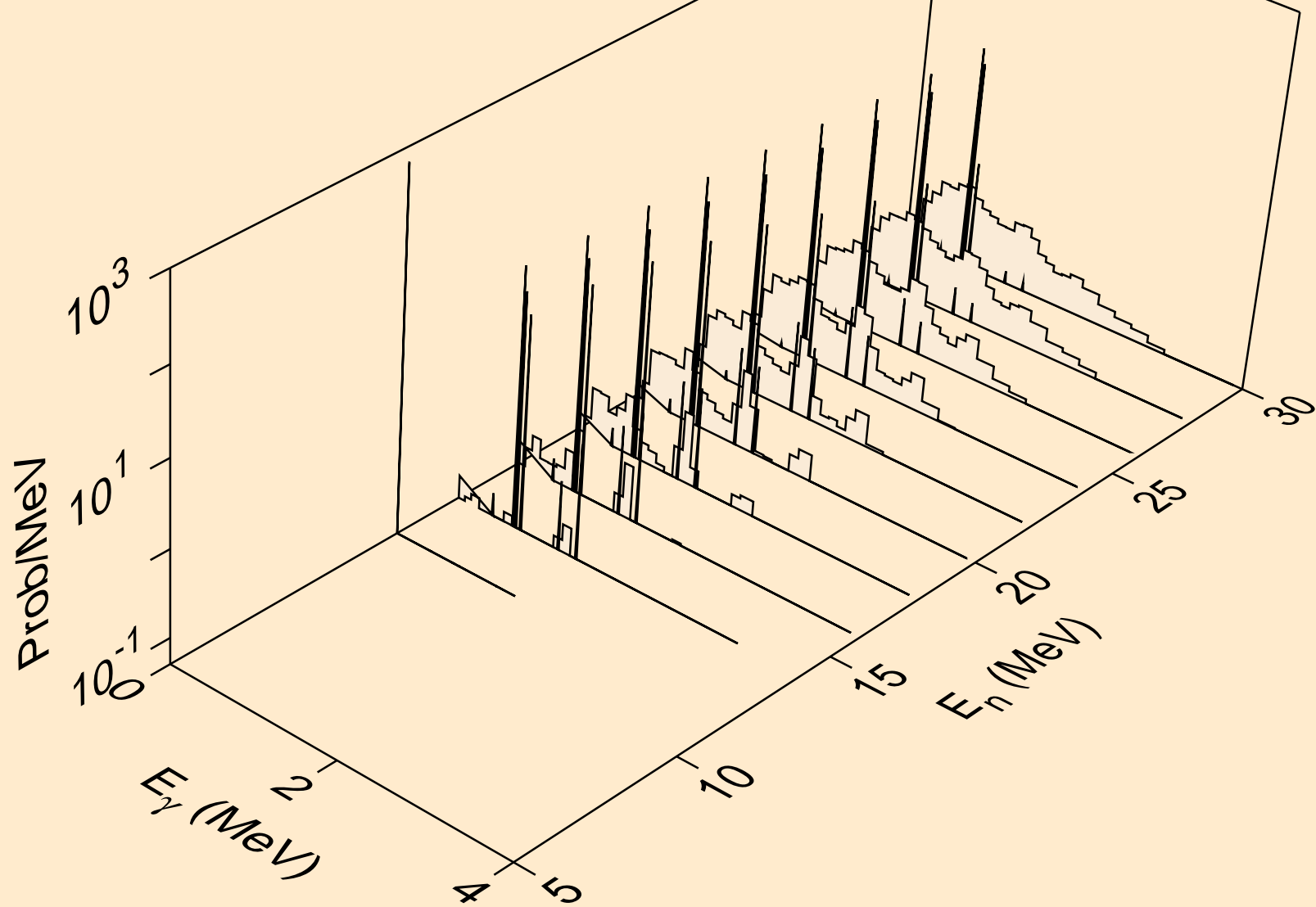
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Photon emission for (n,d)



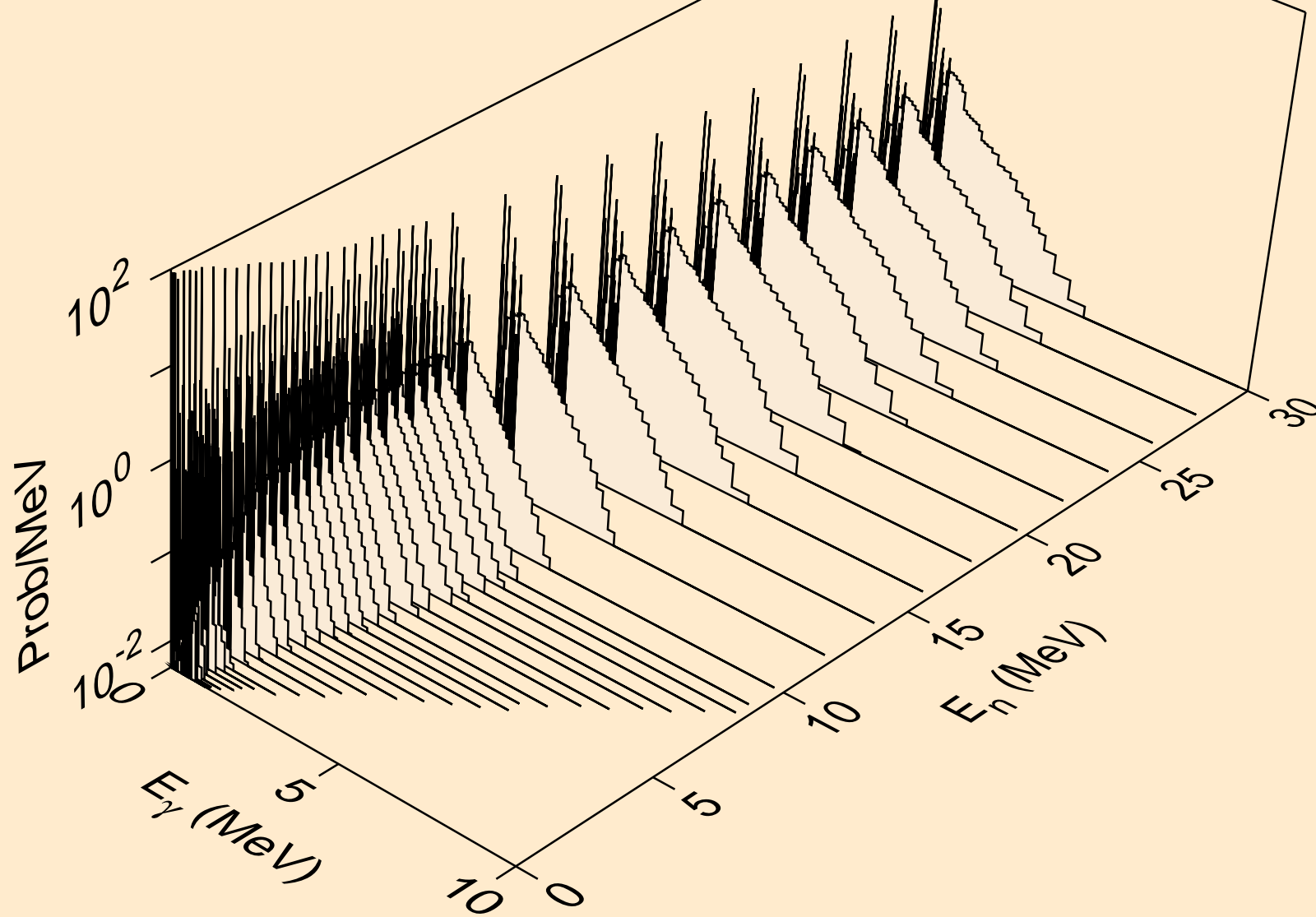
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Photon emission for (n,t)



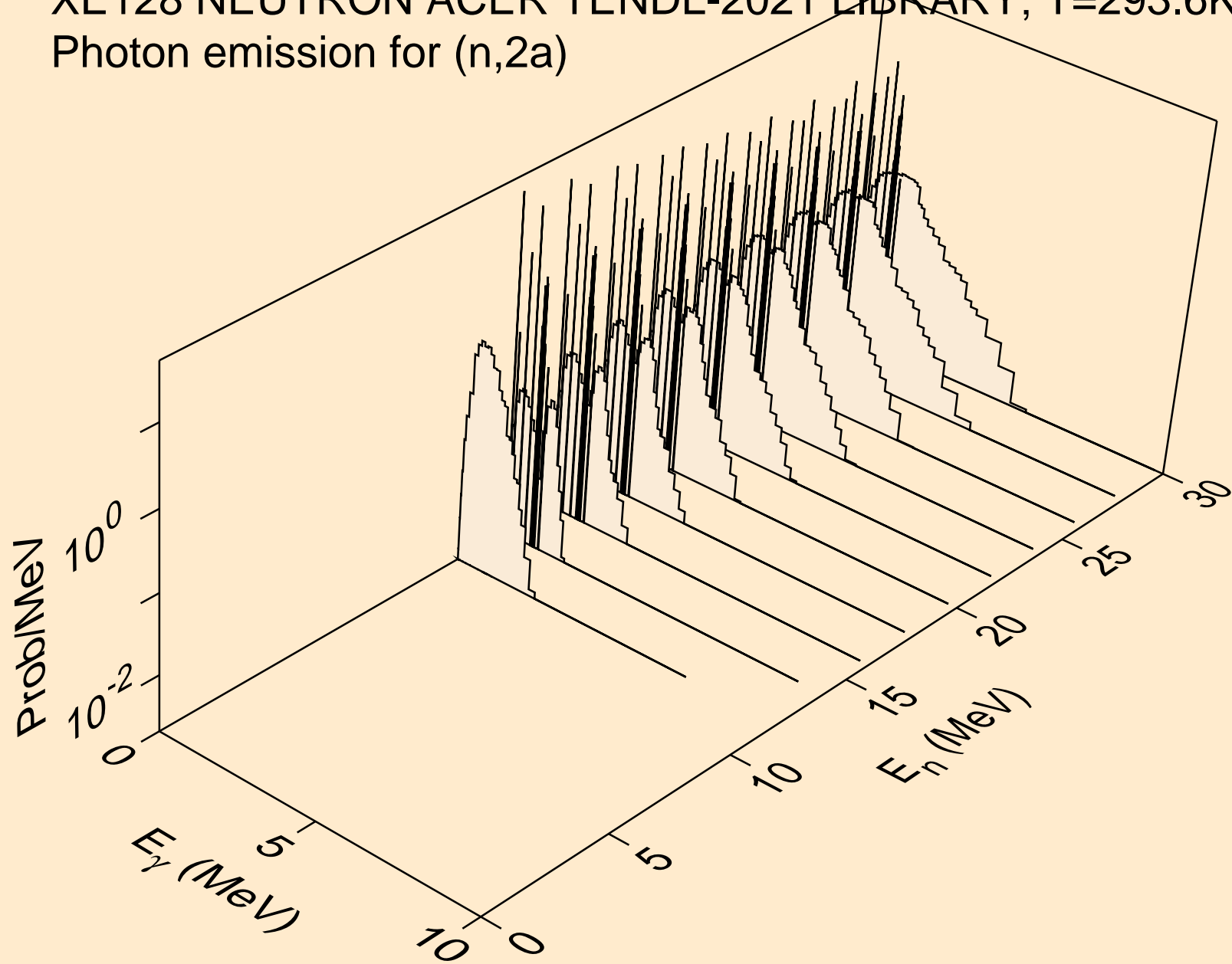
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Photon emission for (n,he3)



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Photon emission for (n,a)

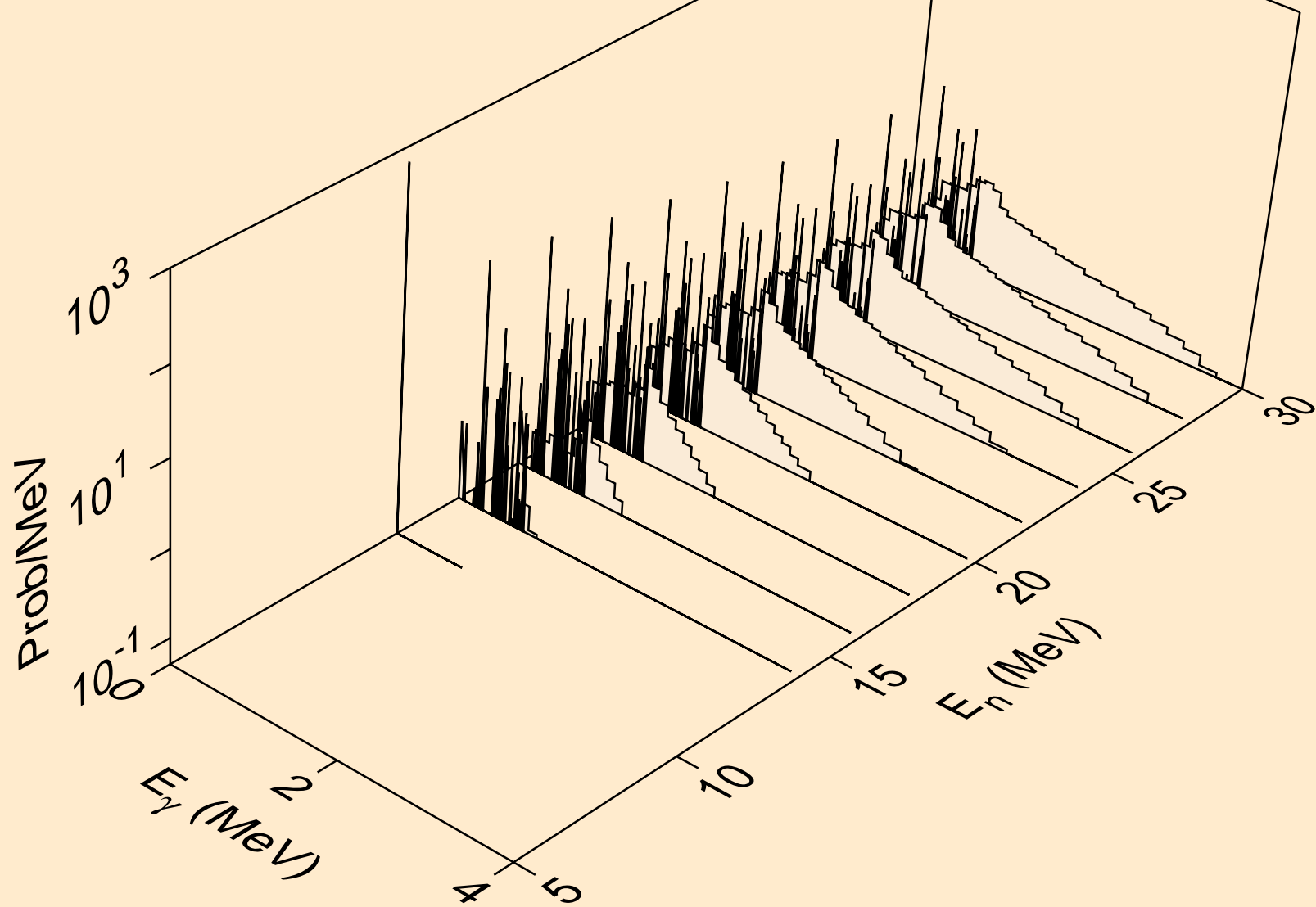


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Photon emission for (n,2a)

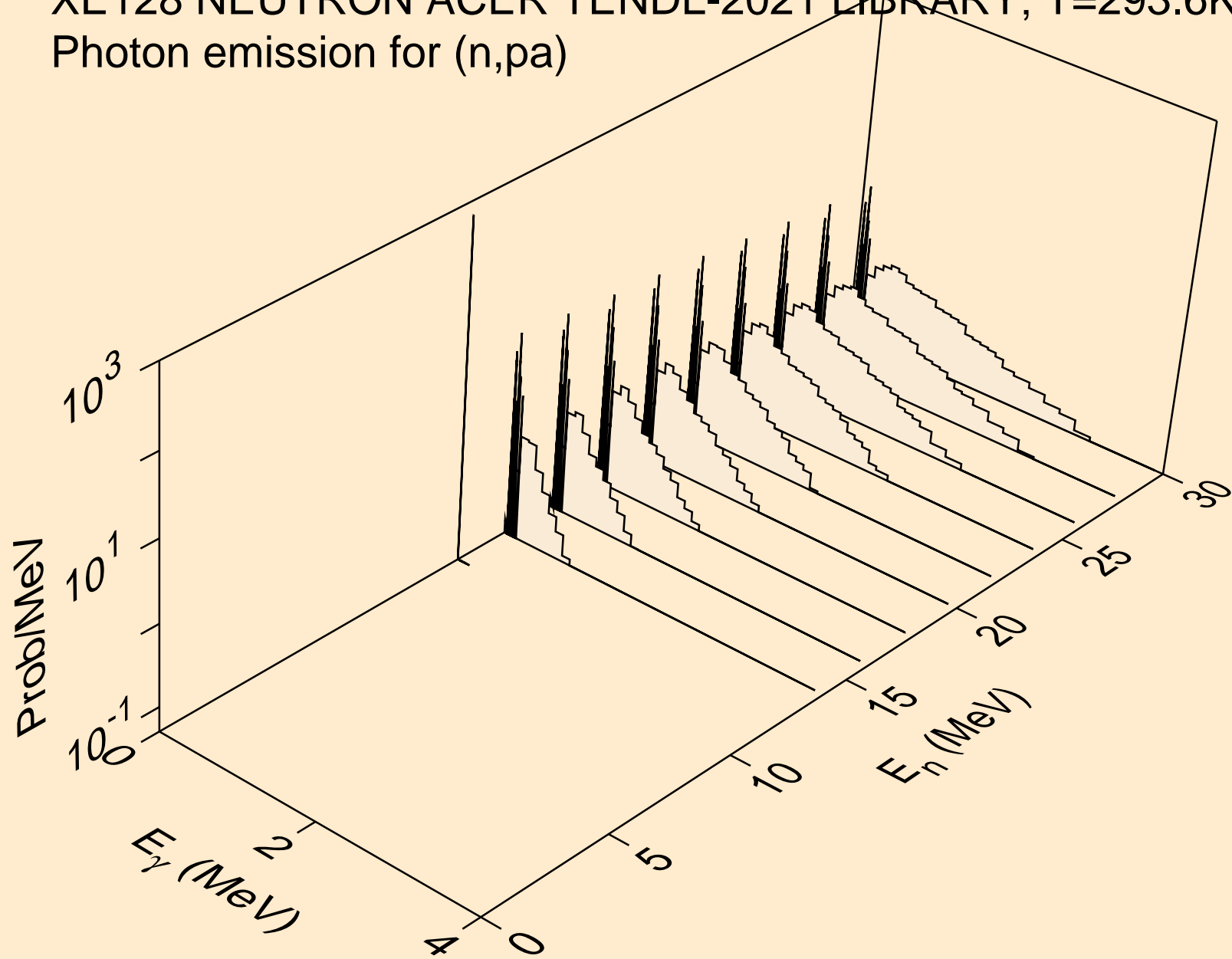




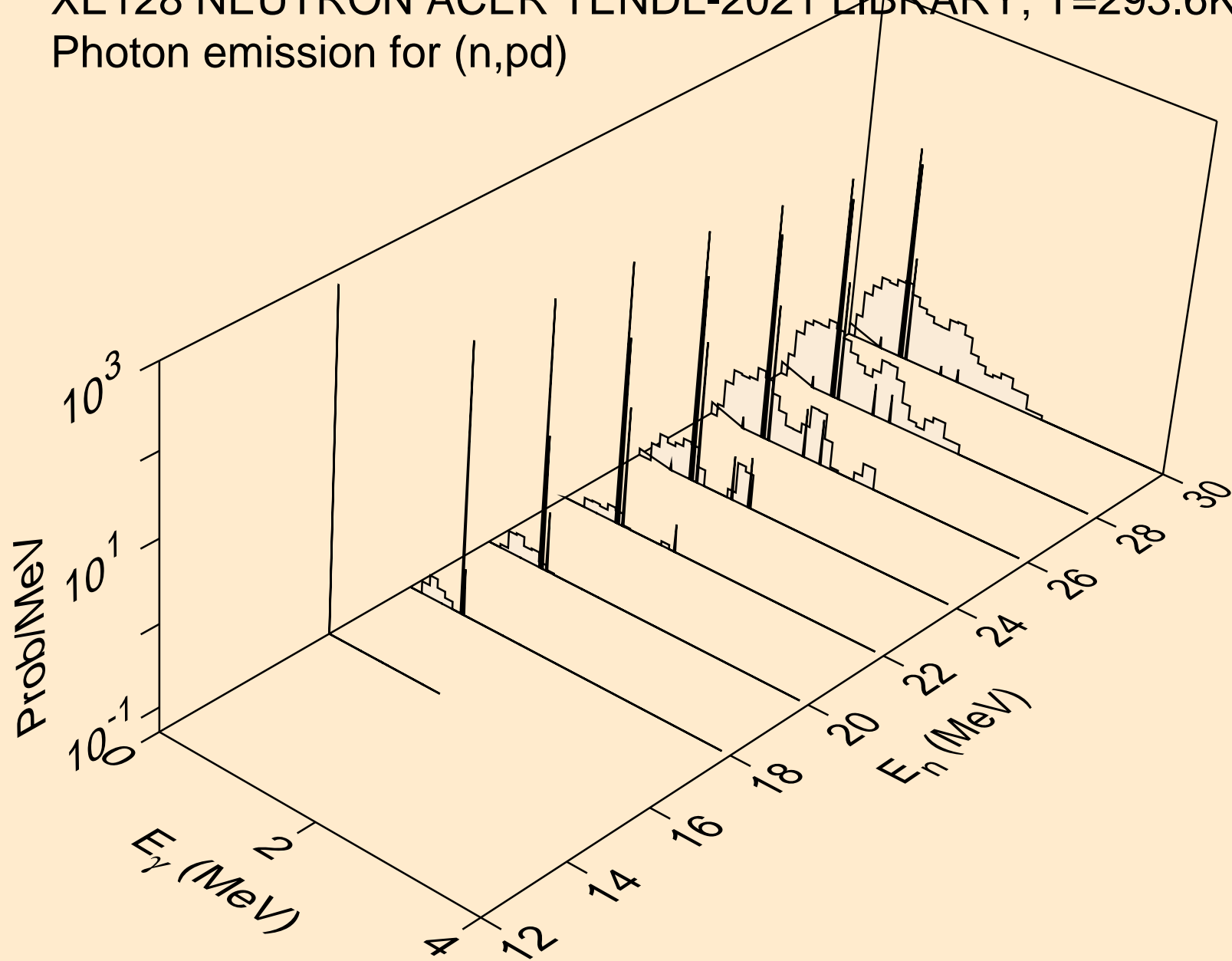
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Photon emission for (n,2p)



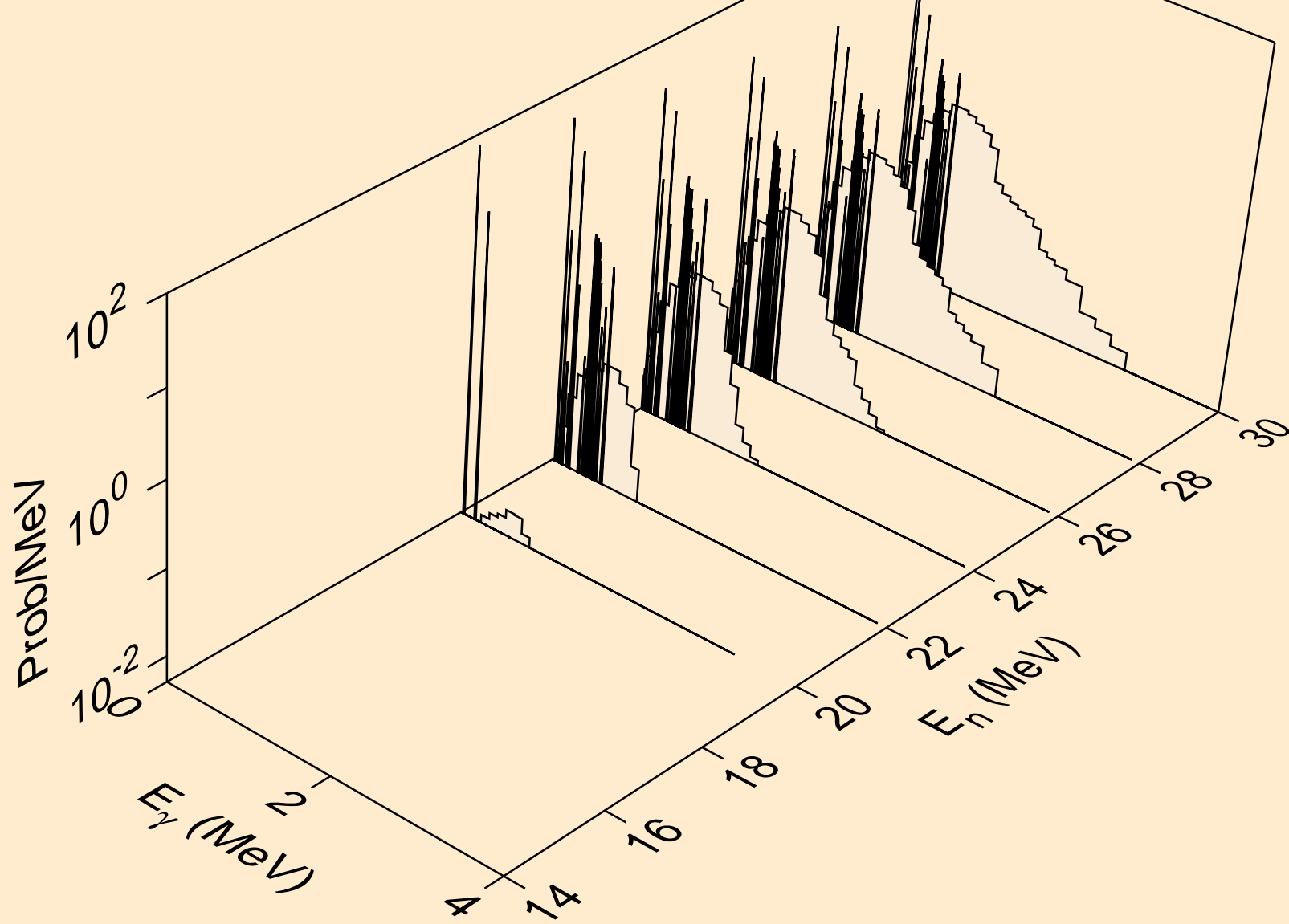
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Photon emission for (n,p $\alpha$ )



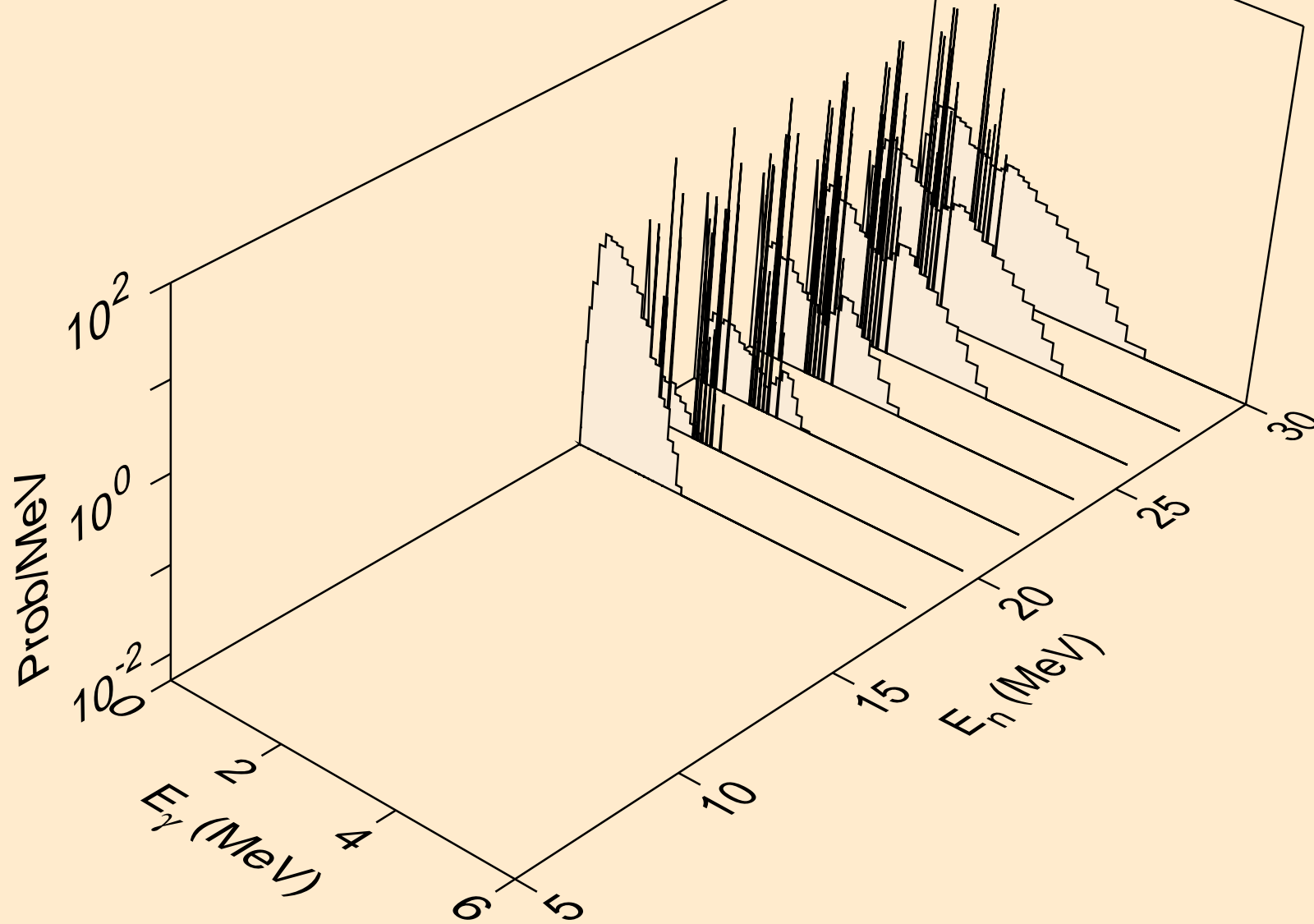
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Photon emission for (n,pd)



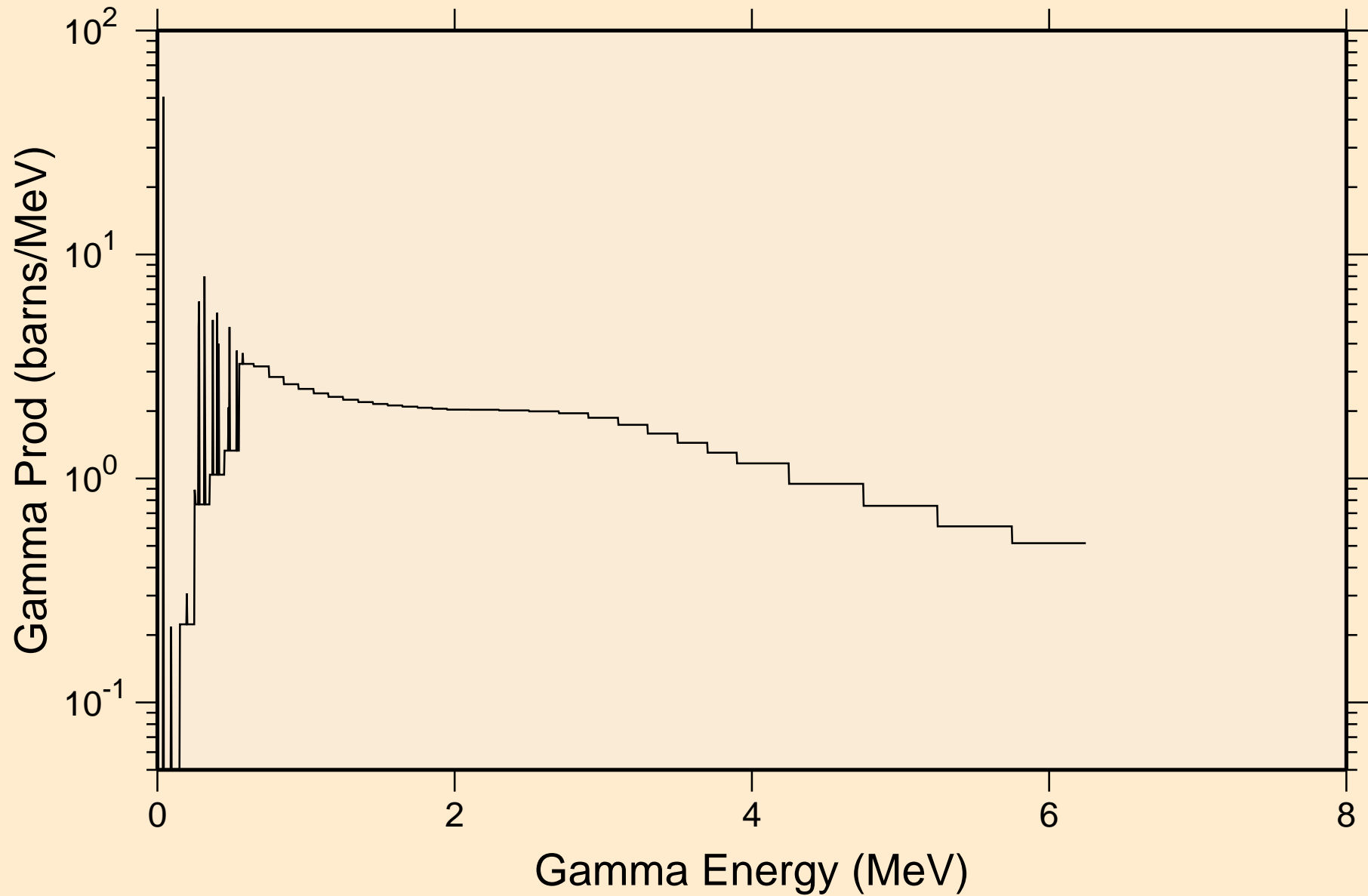
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Photon emission for (n,pt)



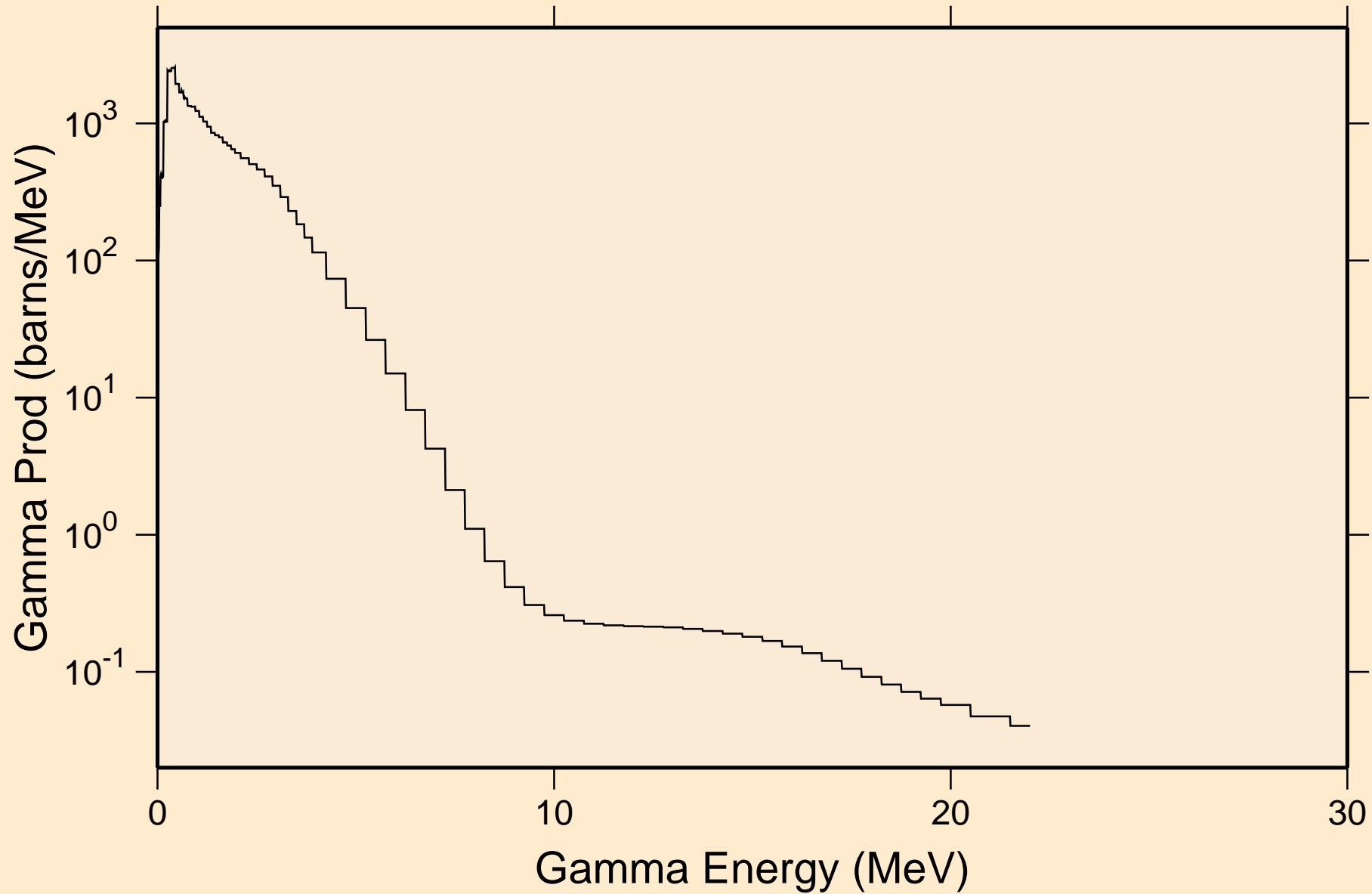
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,da)



XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum

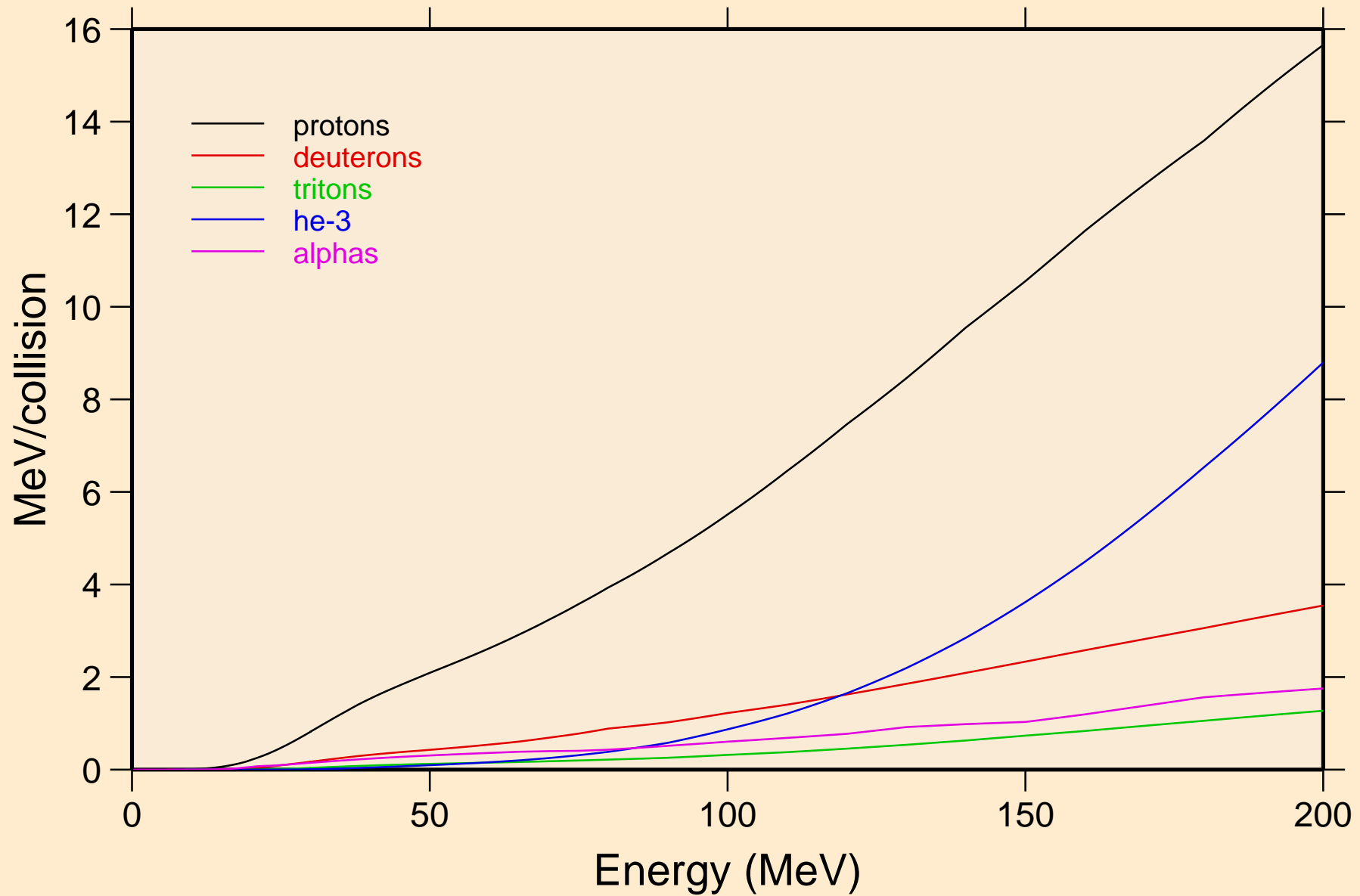


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14 MeV photon spectrum



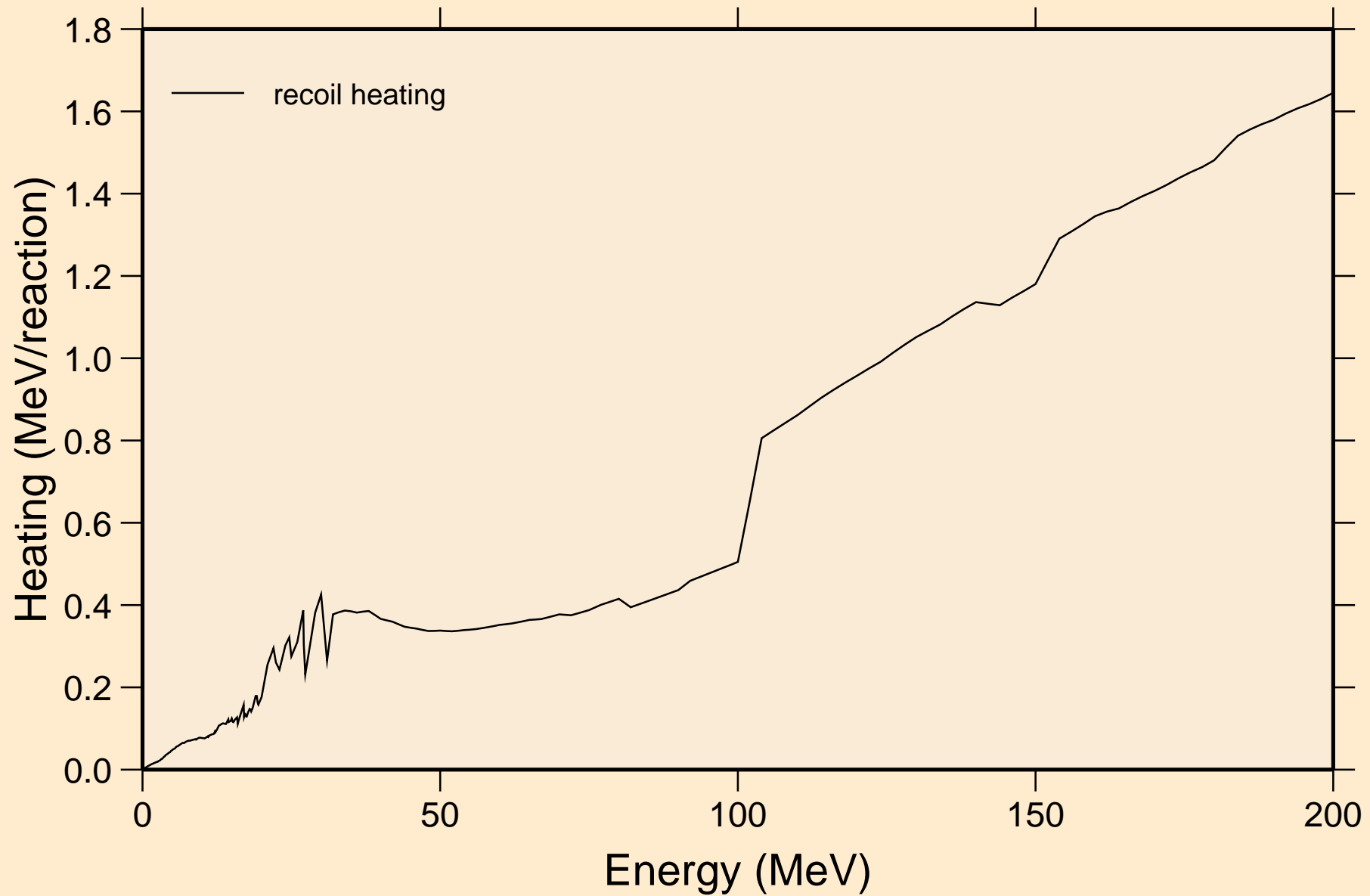
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## Particle heating contributions

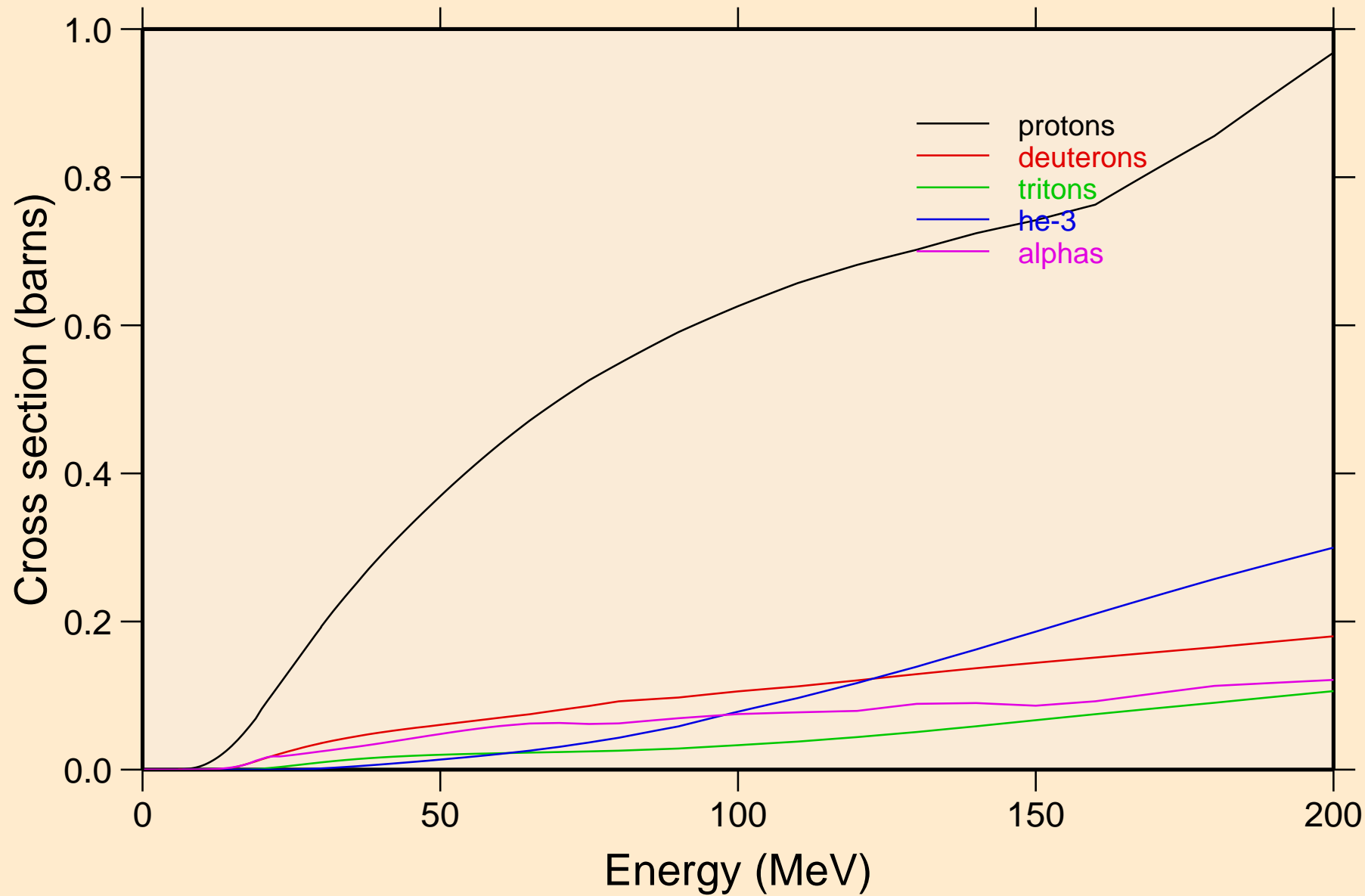




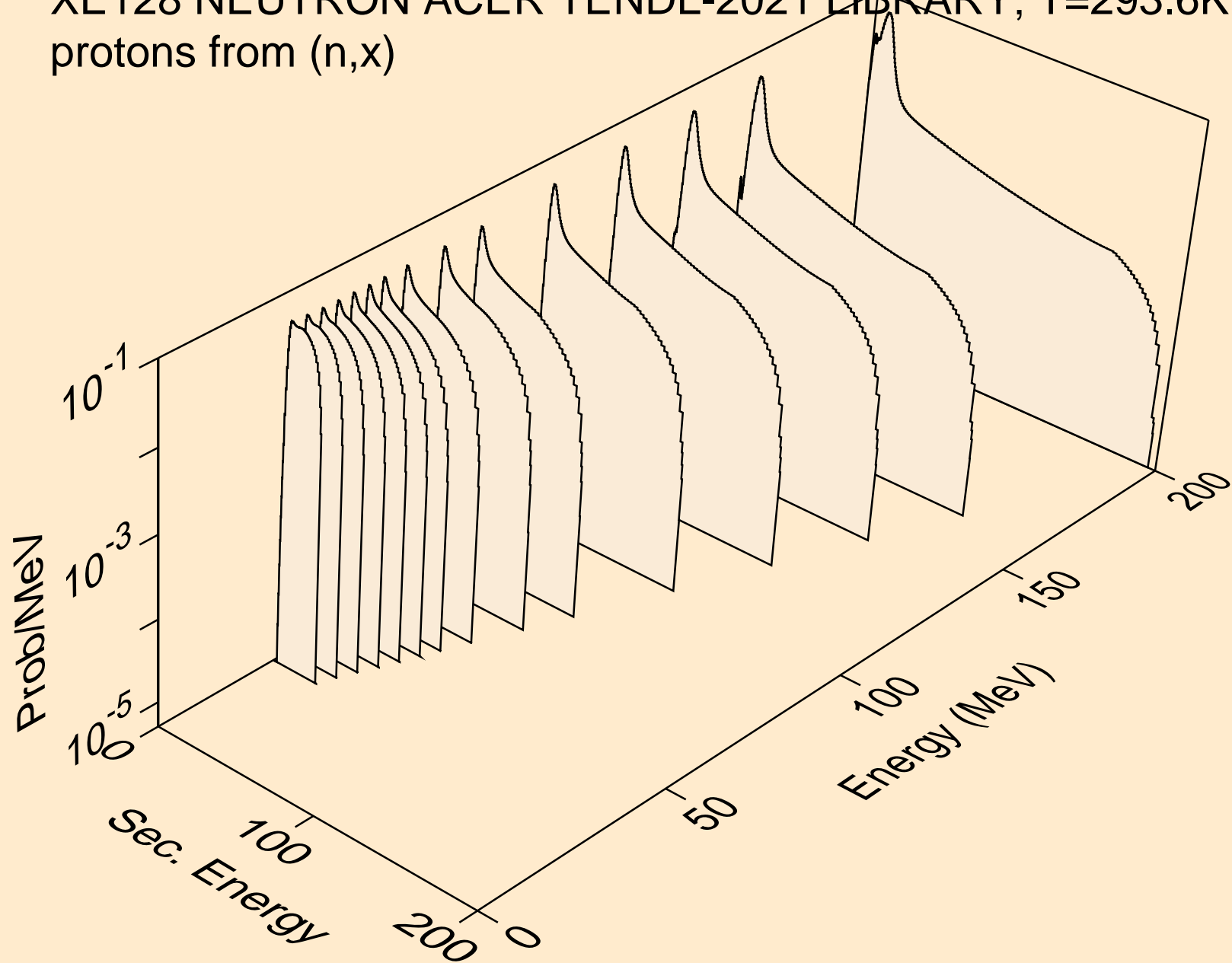
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Recoil Heating



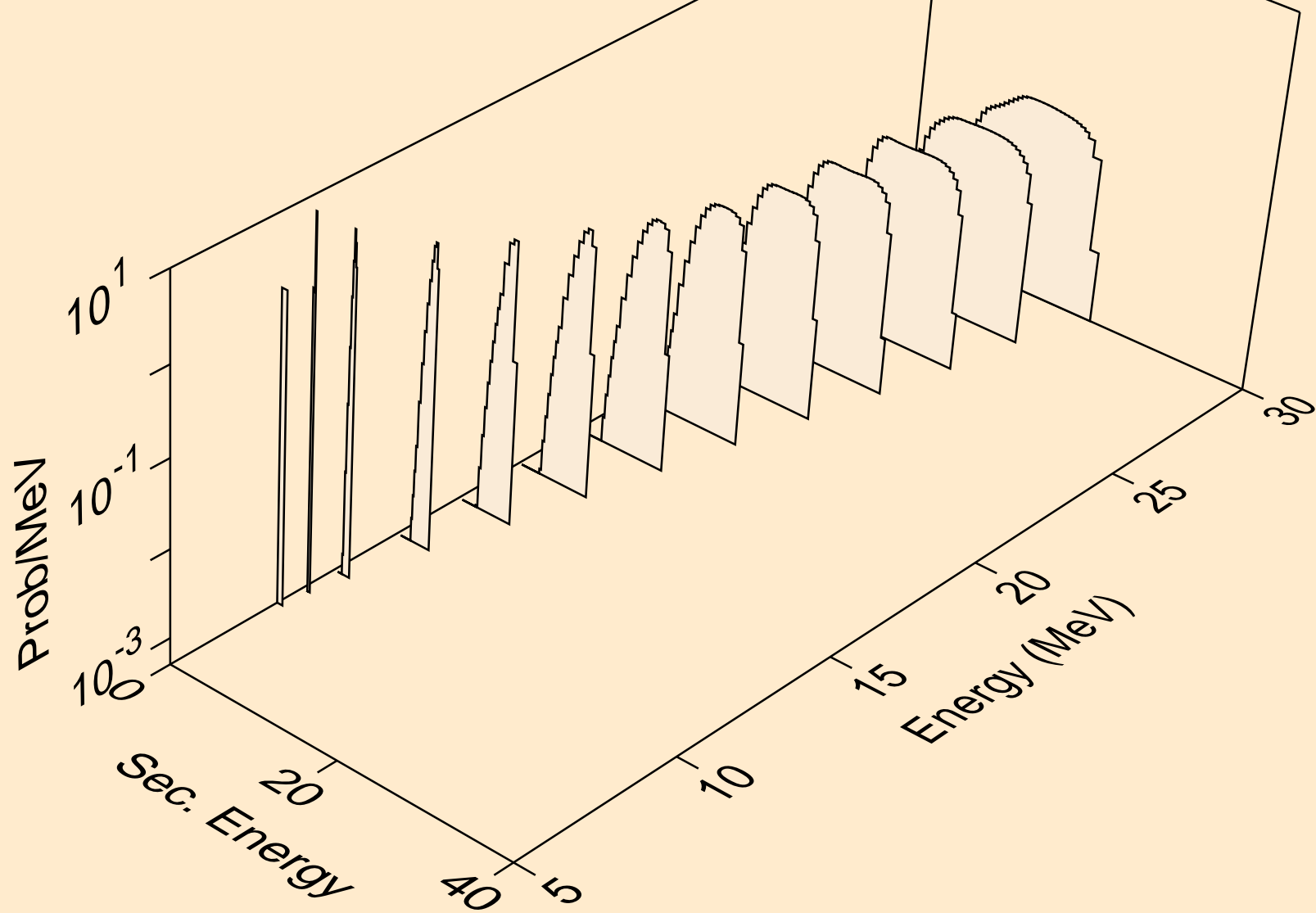
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Particle production cross sections



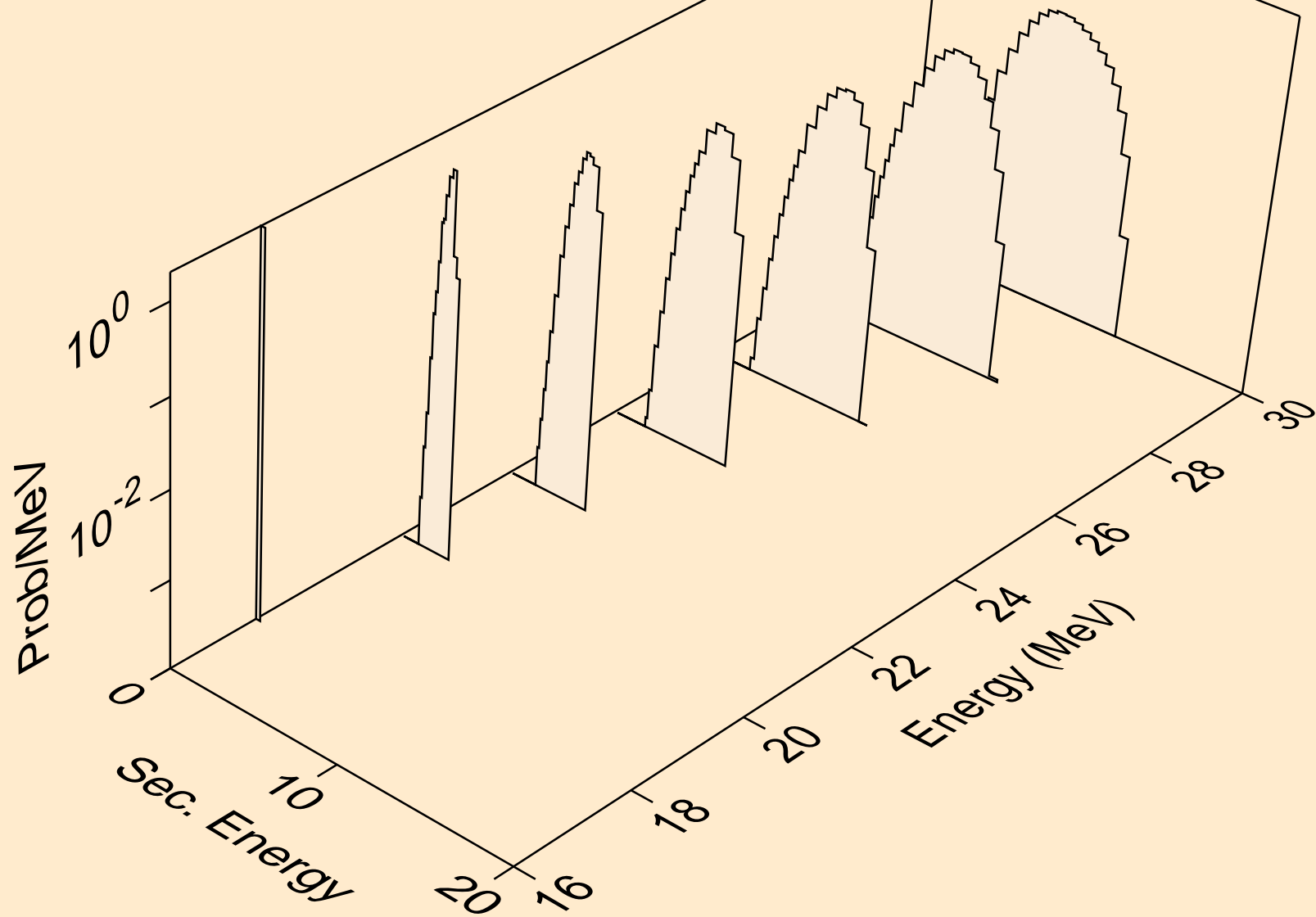
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protons from (n,x)



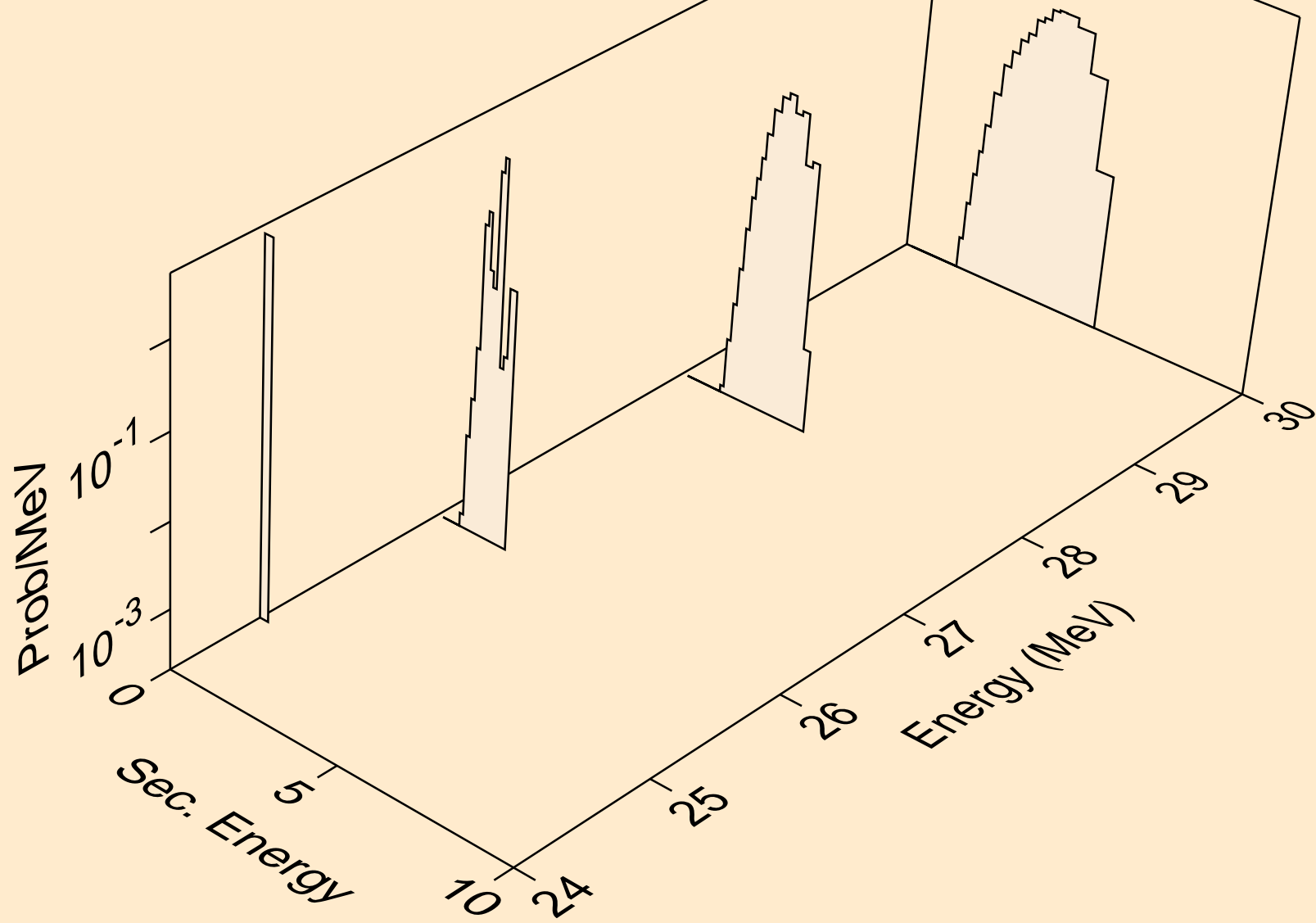
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protons from (n,n\*)p



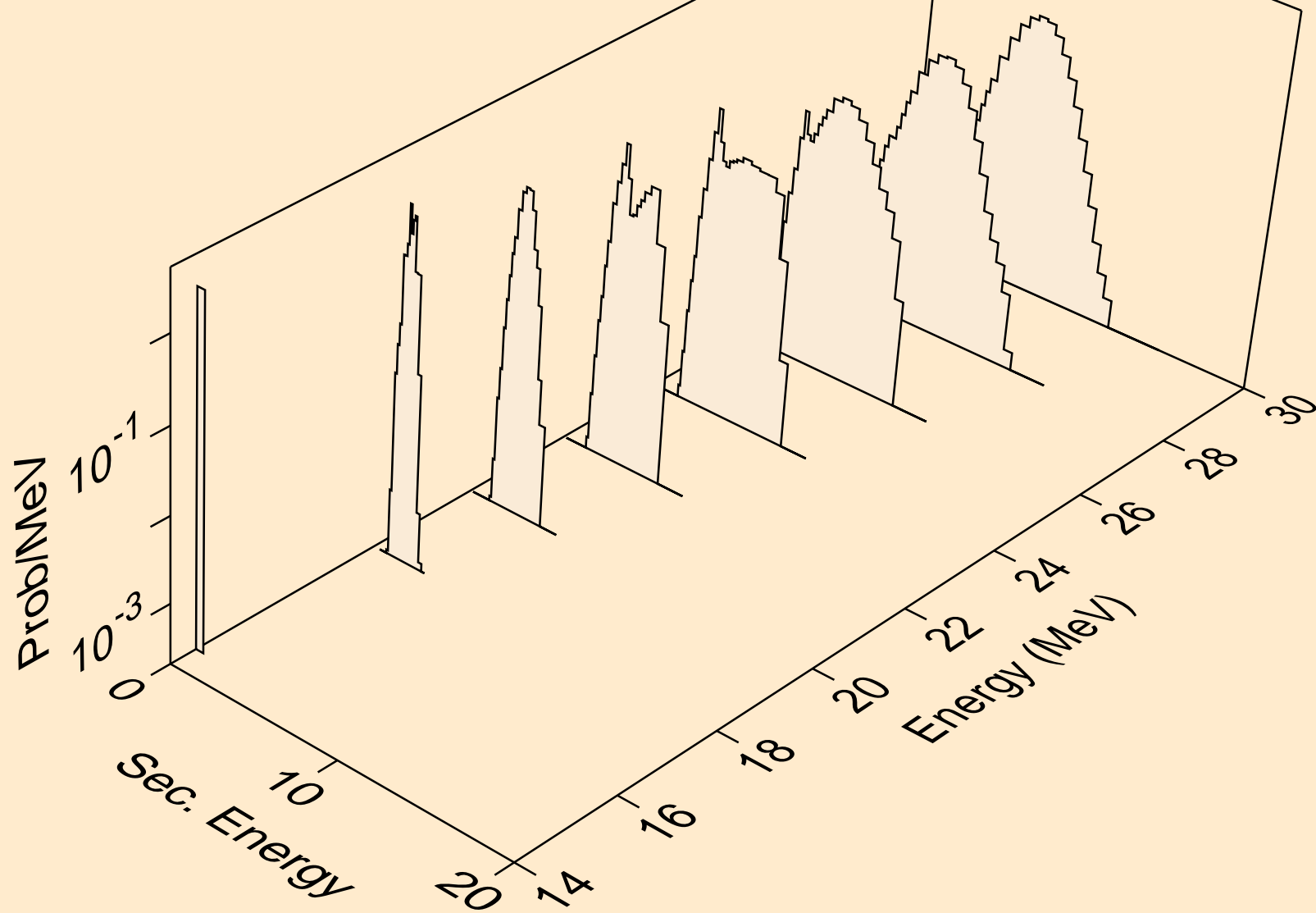
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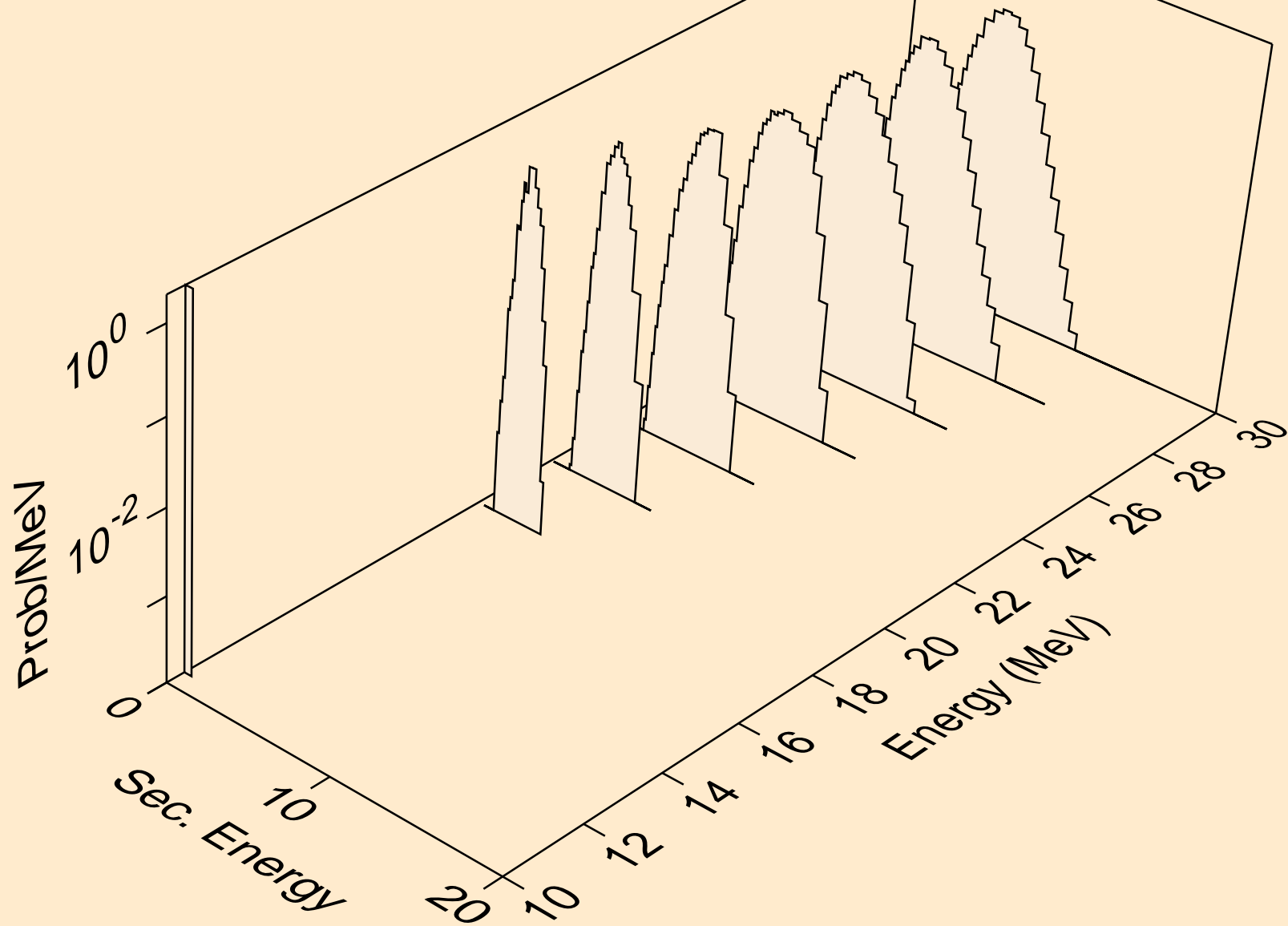
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protons from (n,3np)



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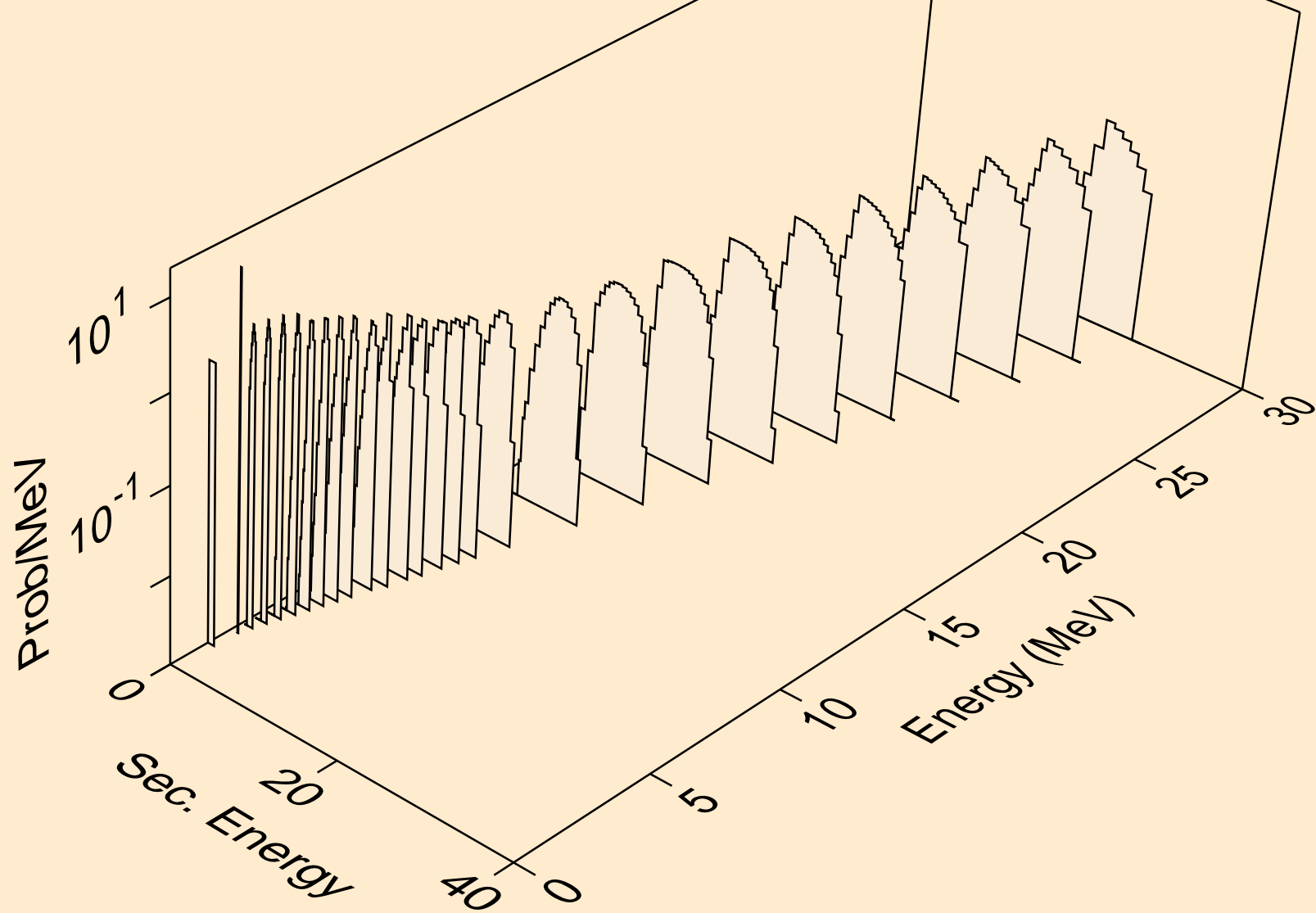


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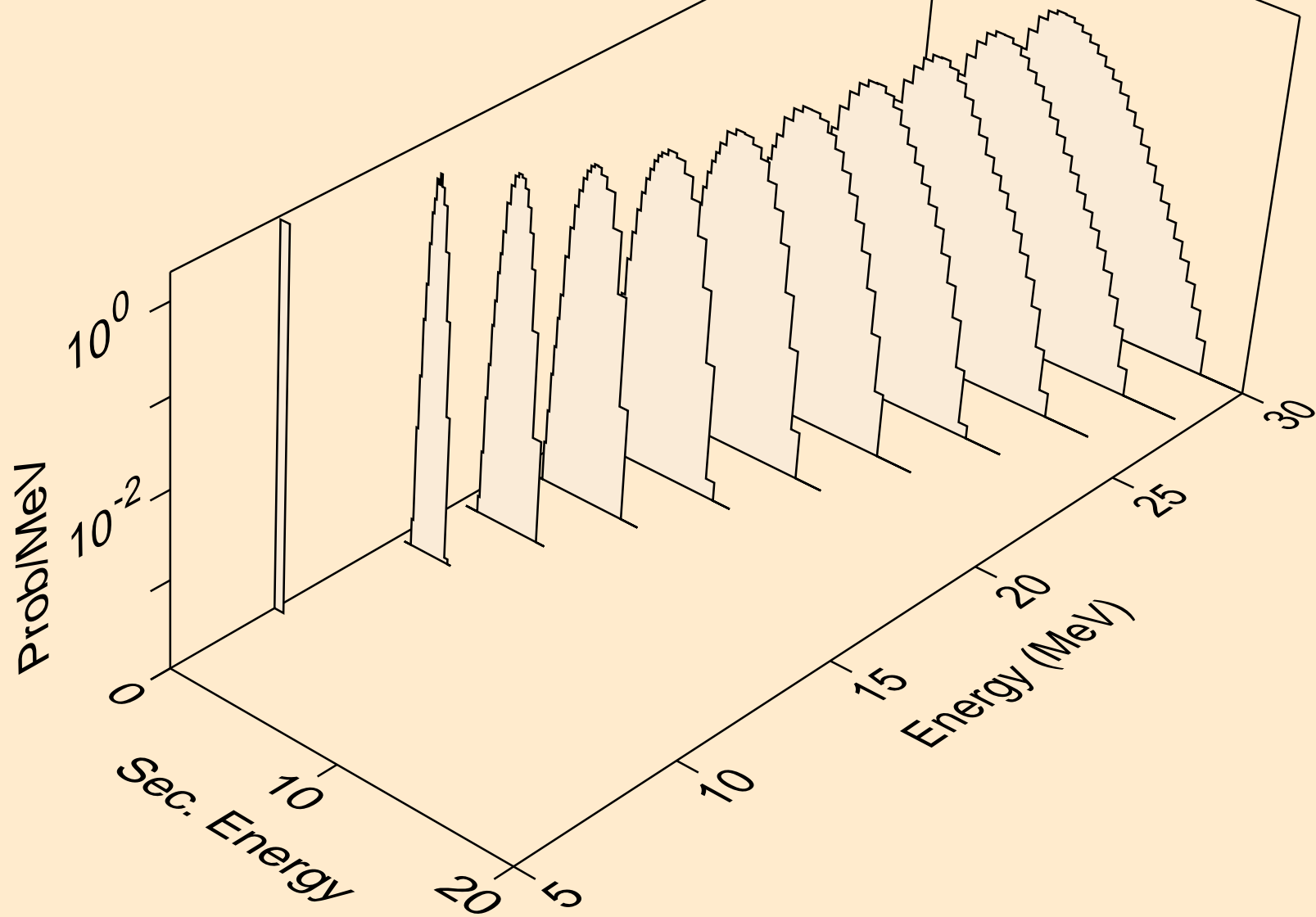




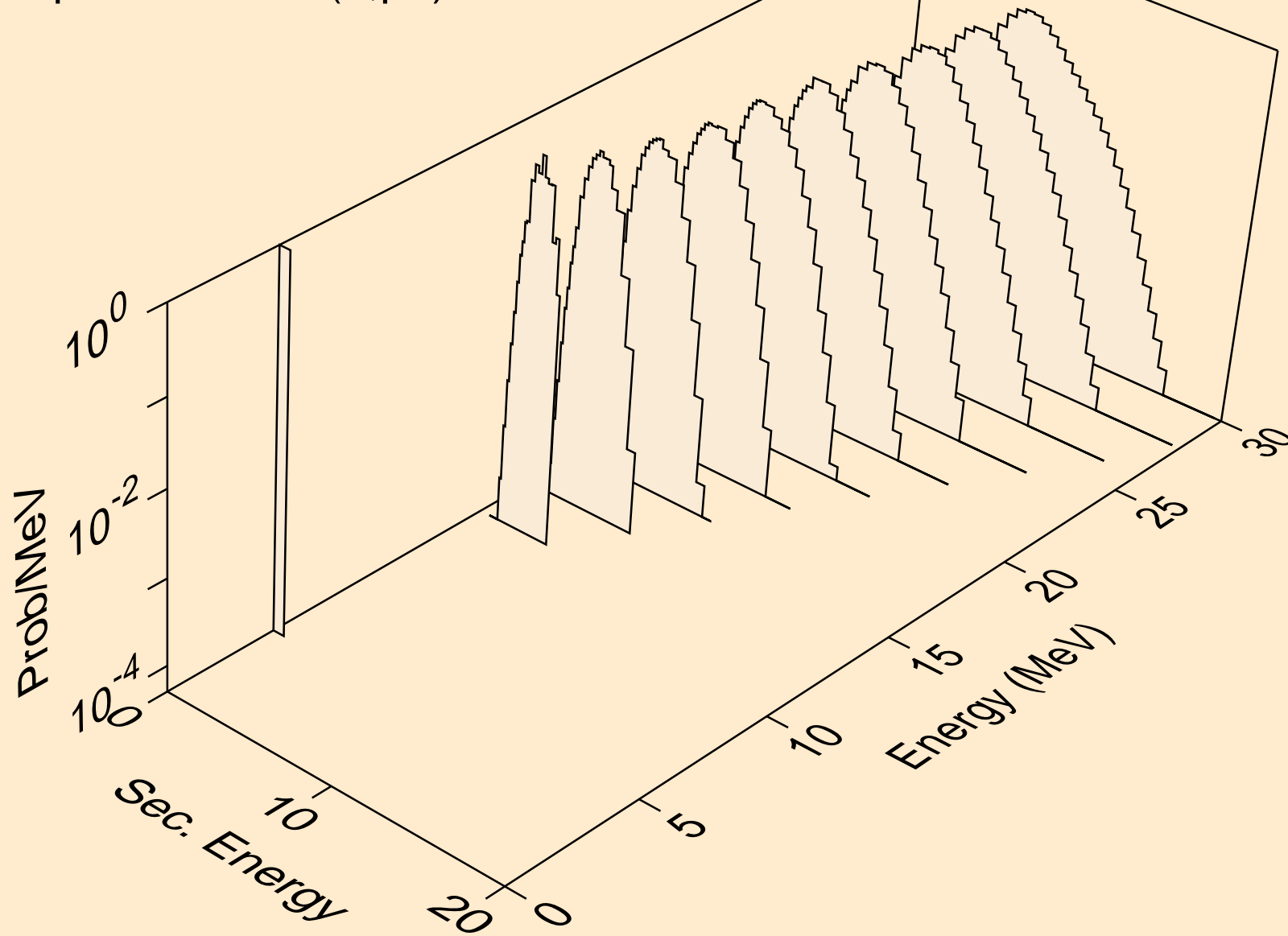
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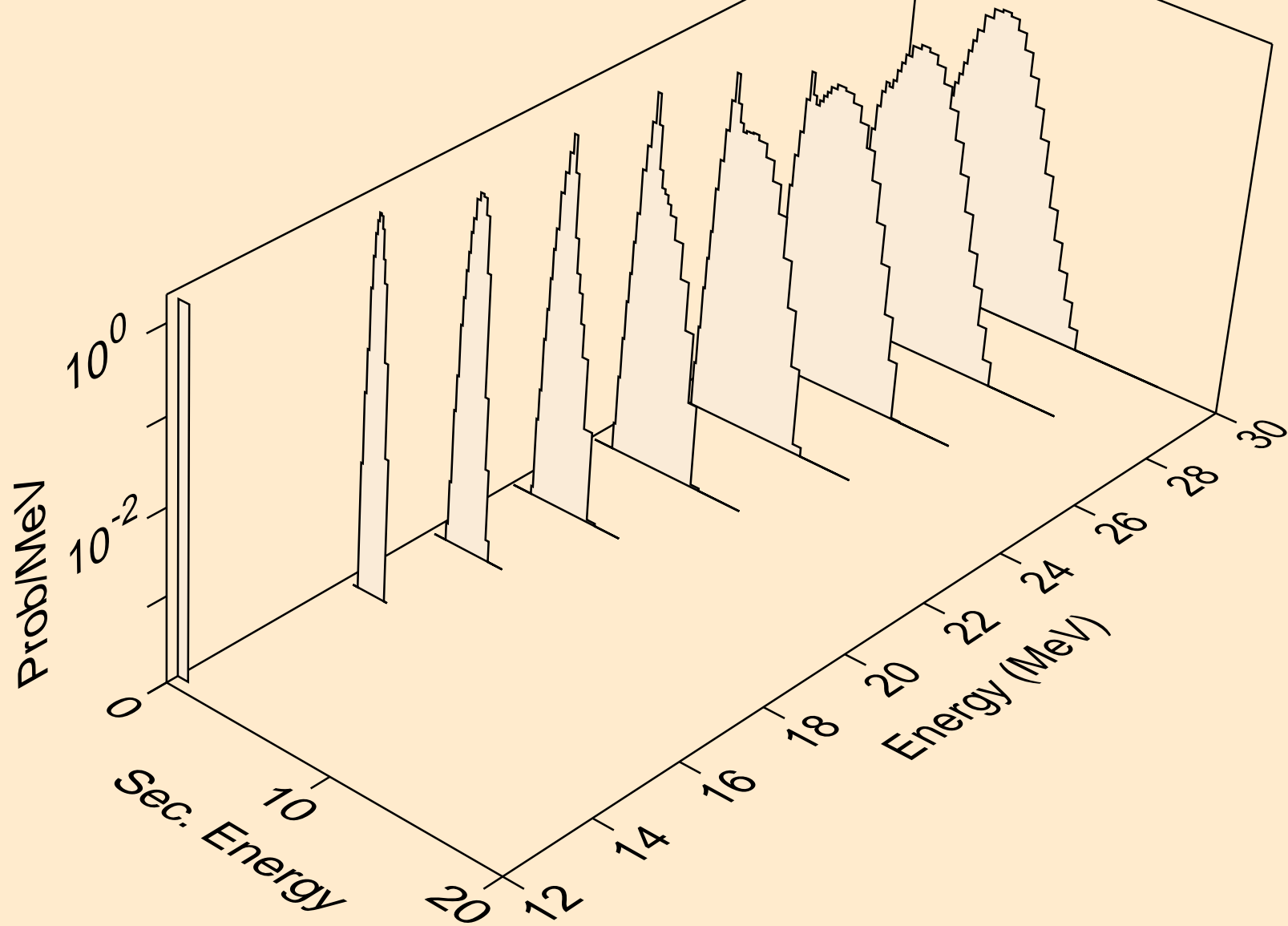
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protons from (n,2p)



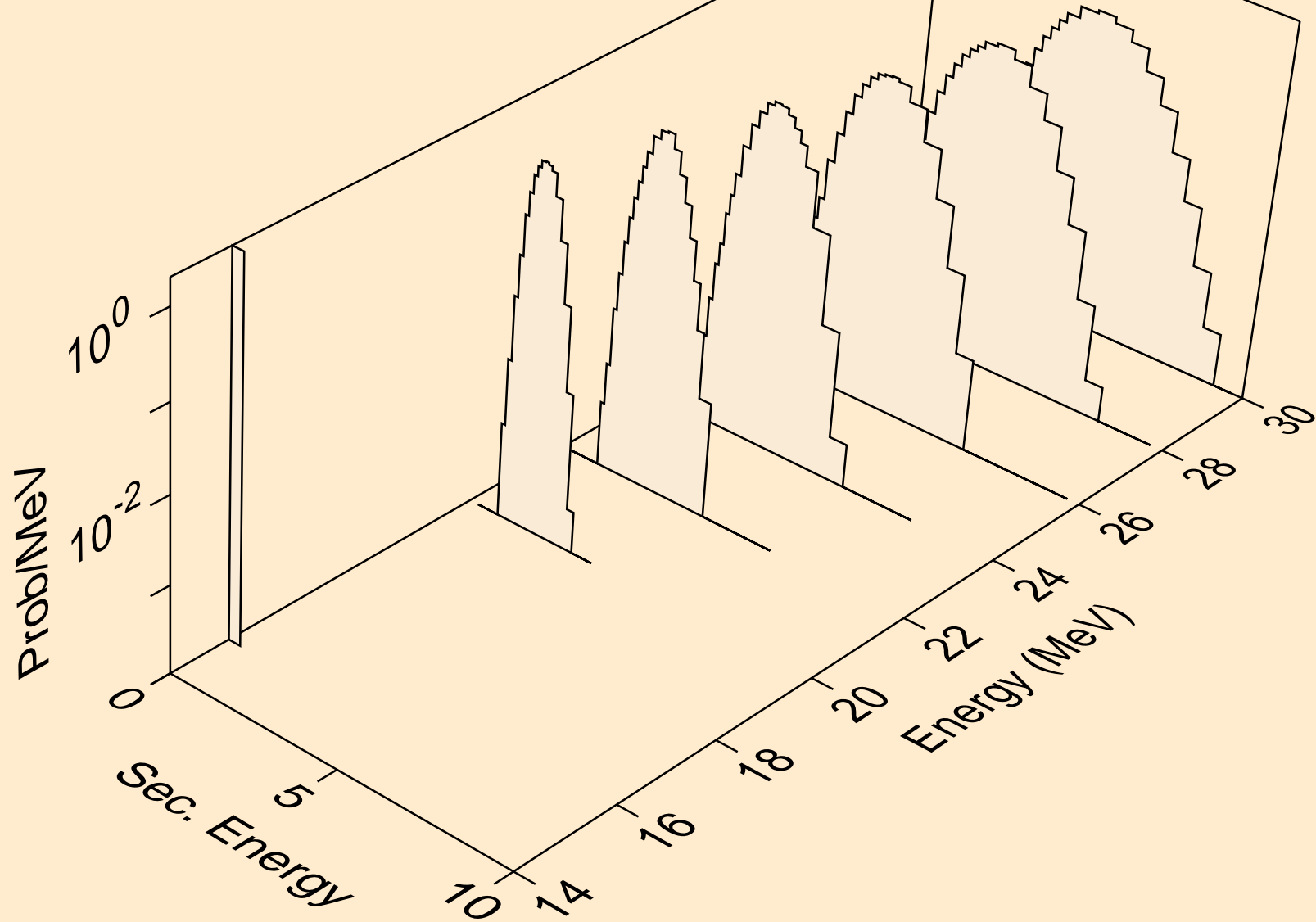
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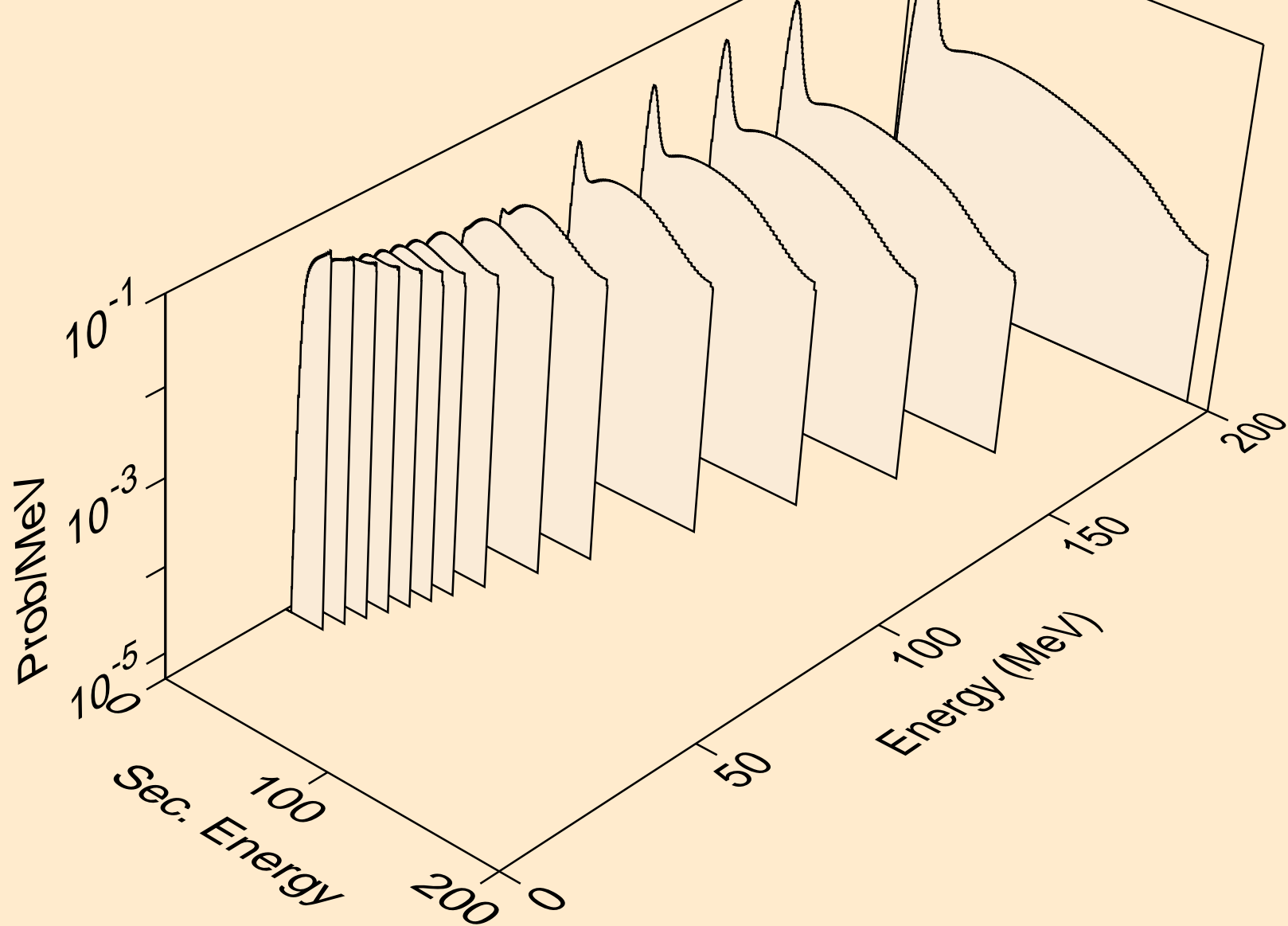
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protons from (n,pd)



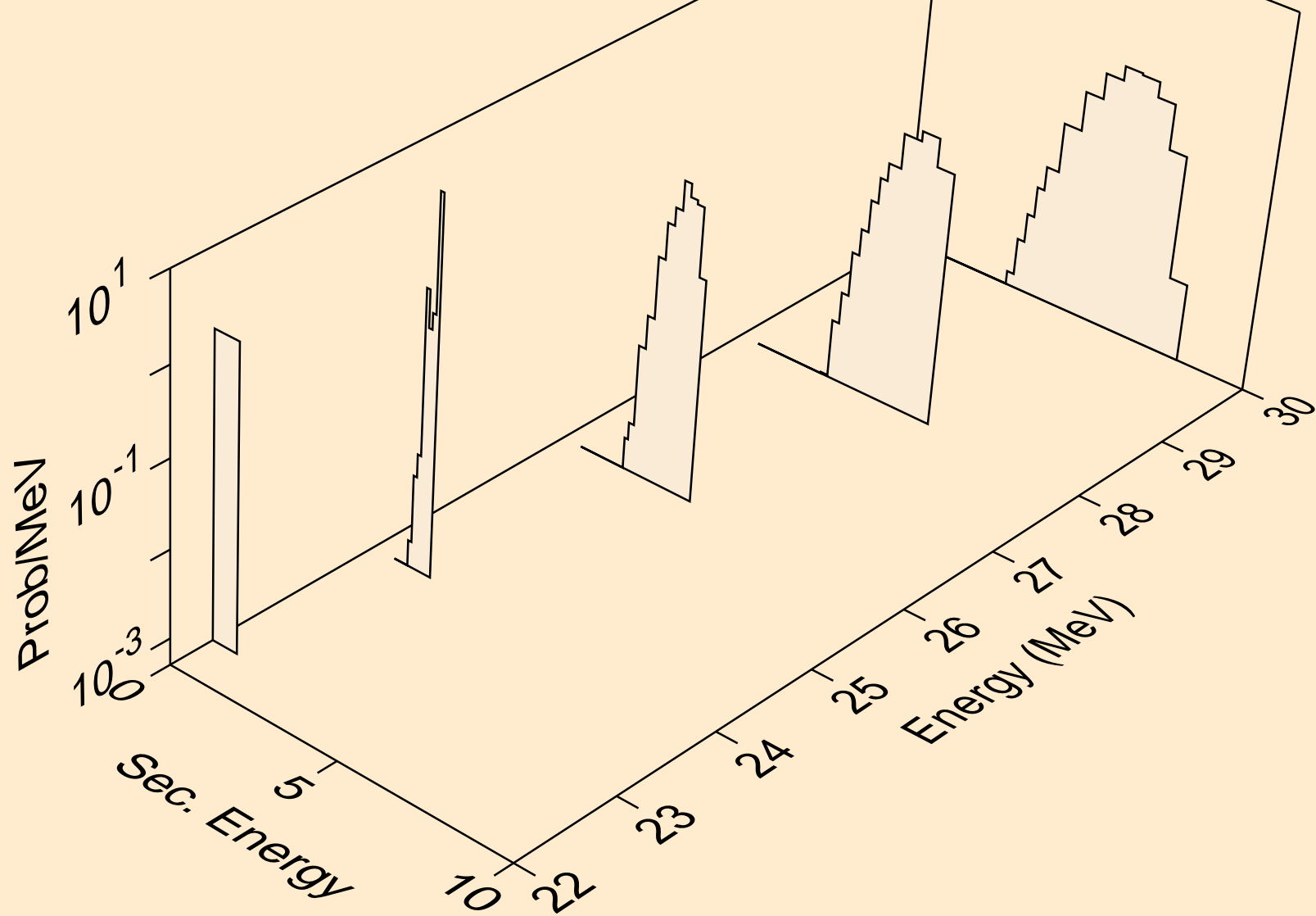
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protons from (n,pt)



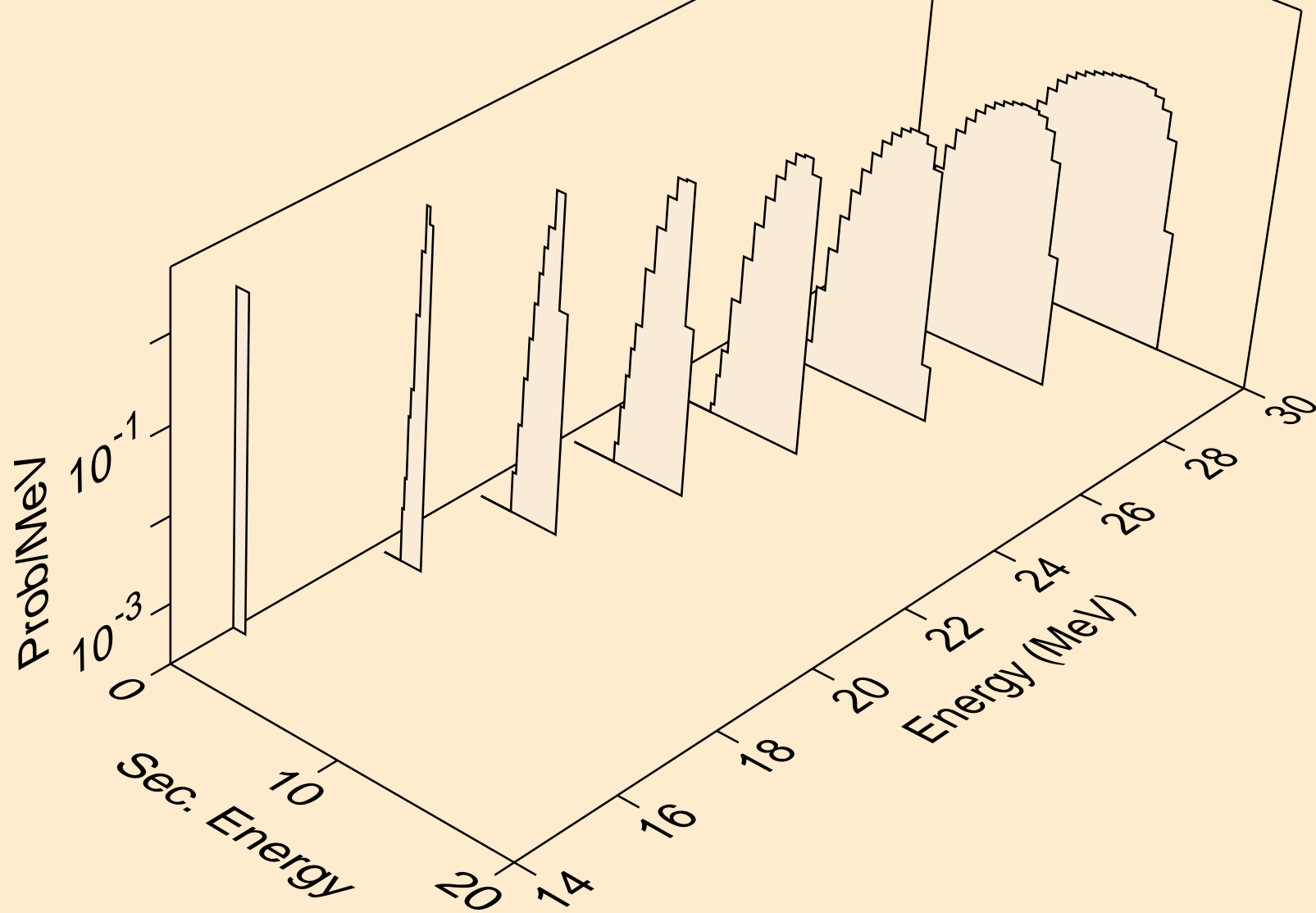
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deuterons from (n,x)



XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,2nd)

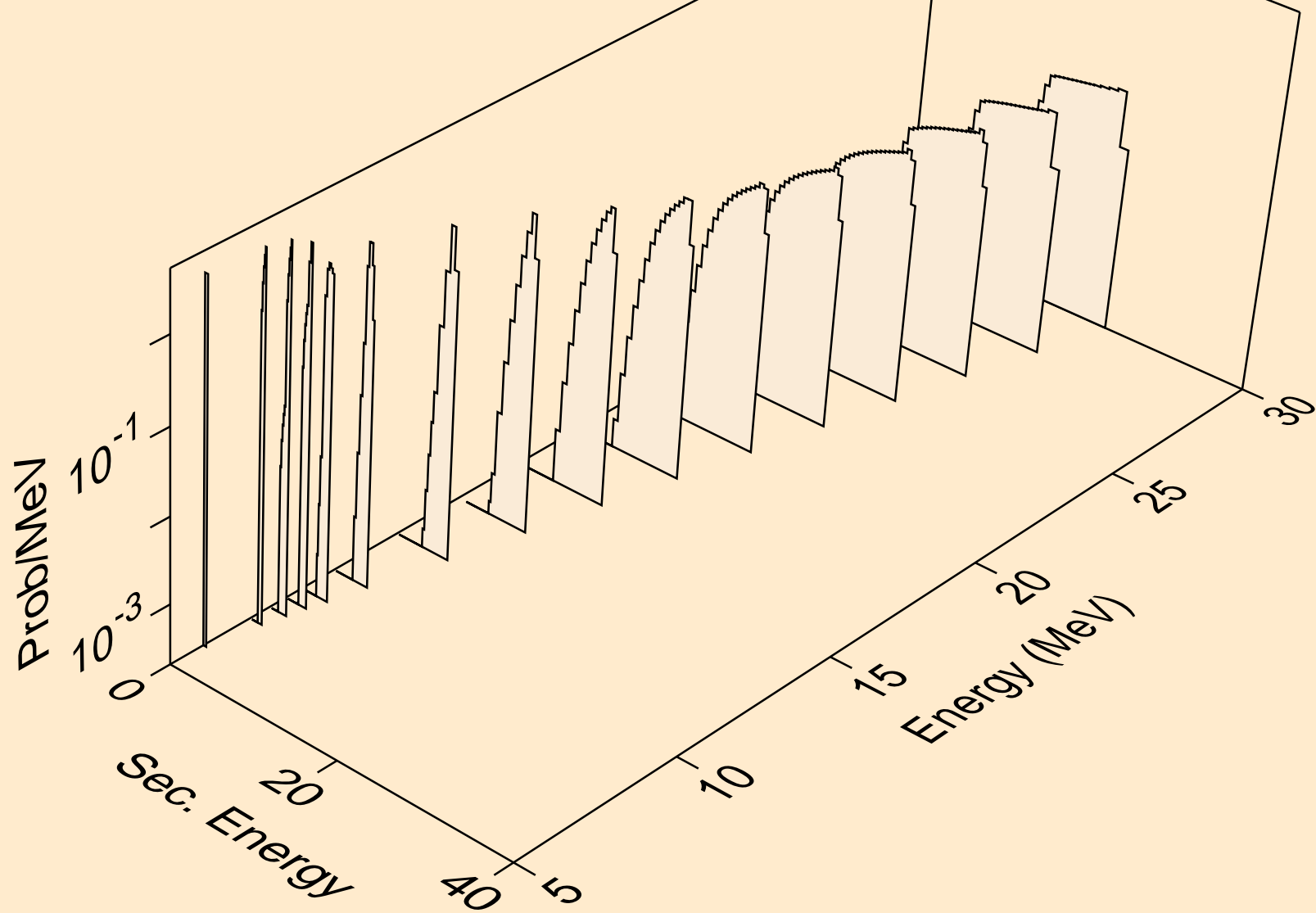


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deuterons from (n,n\*)d

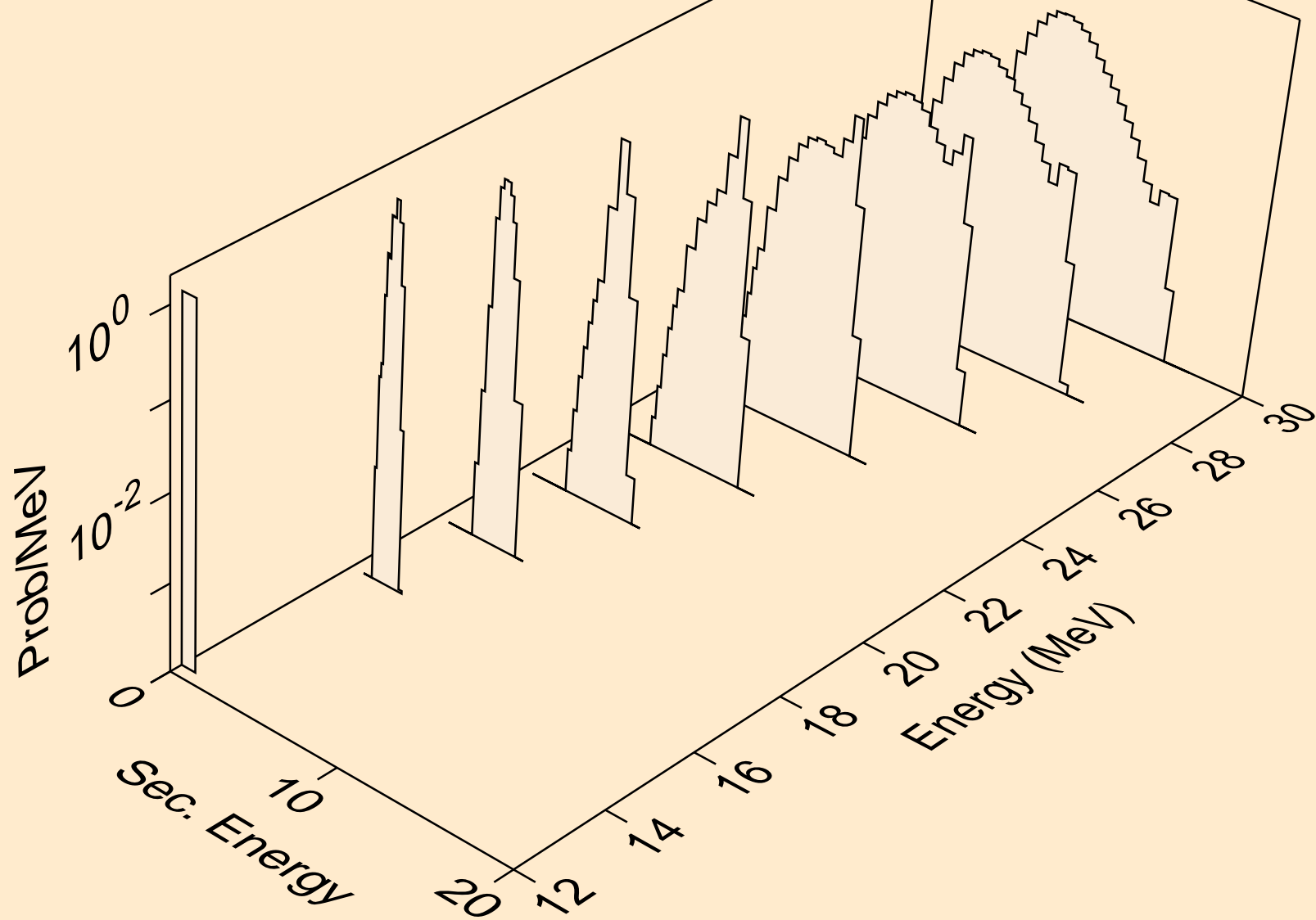




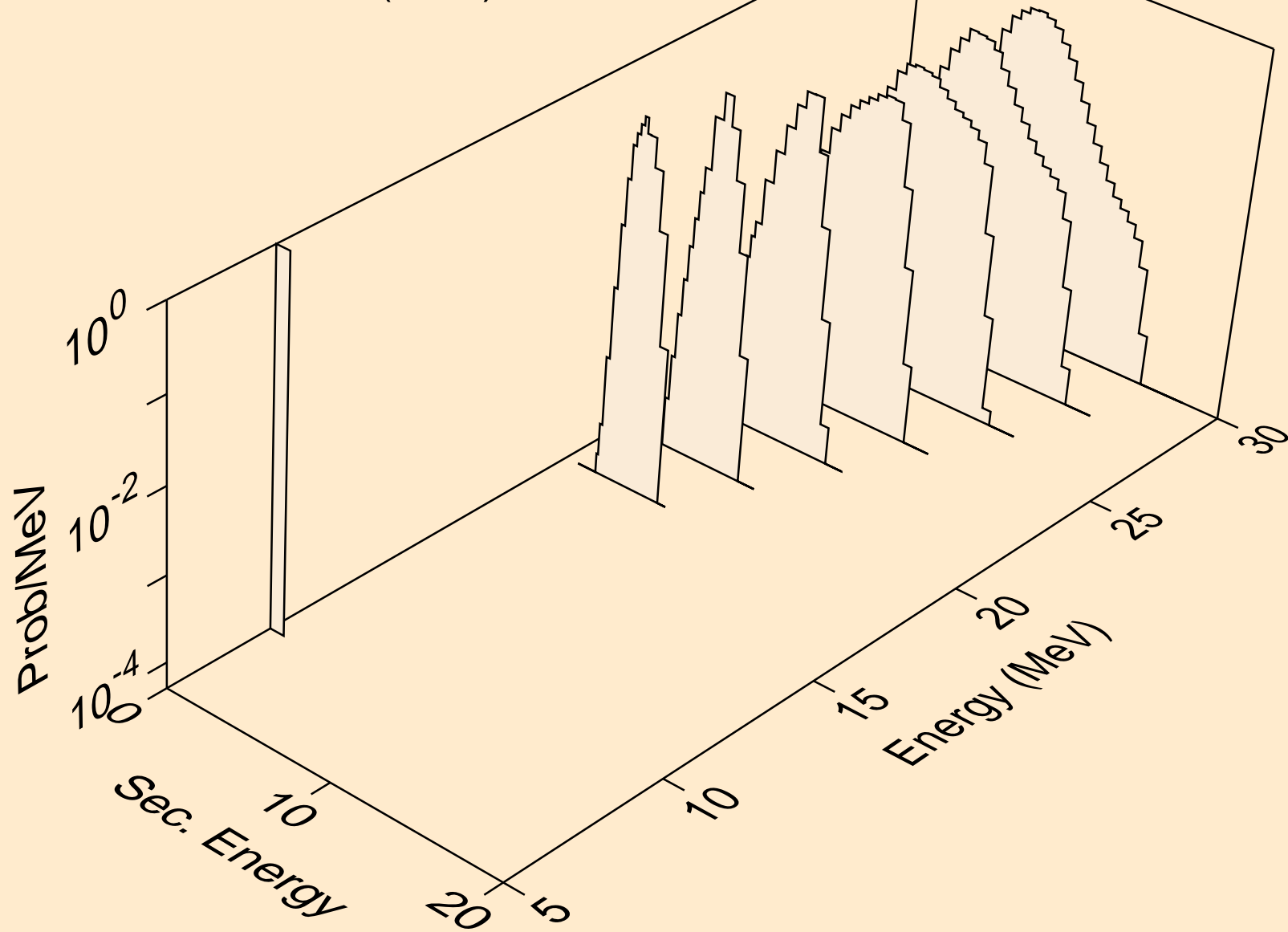
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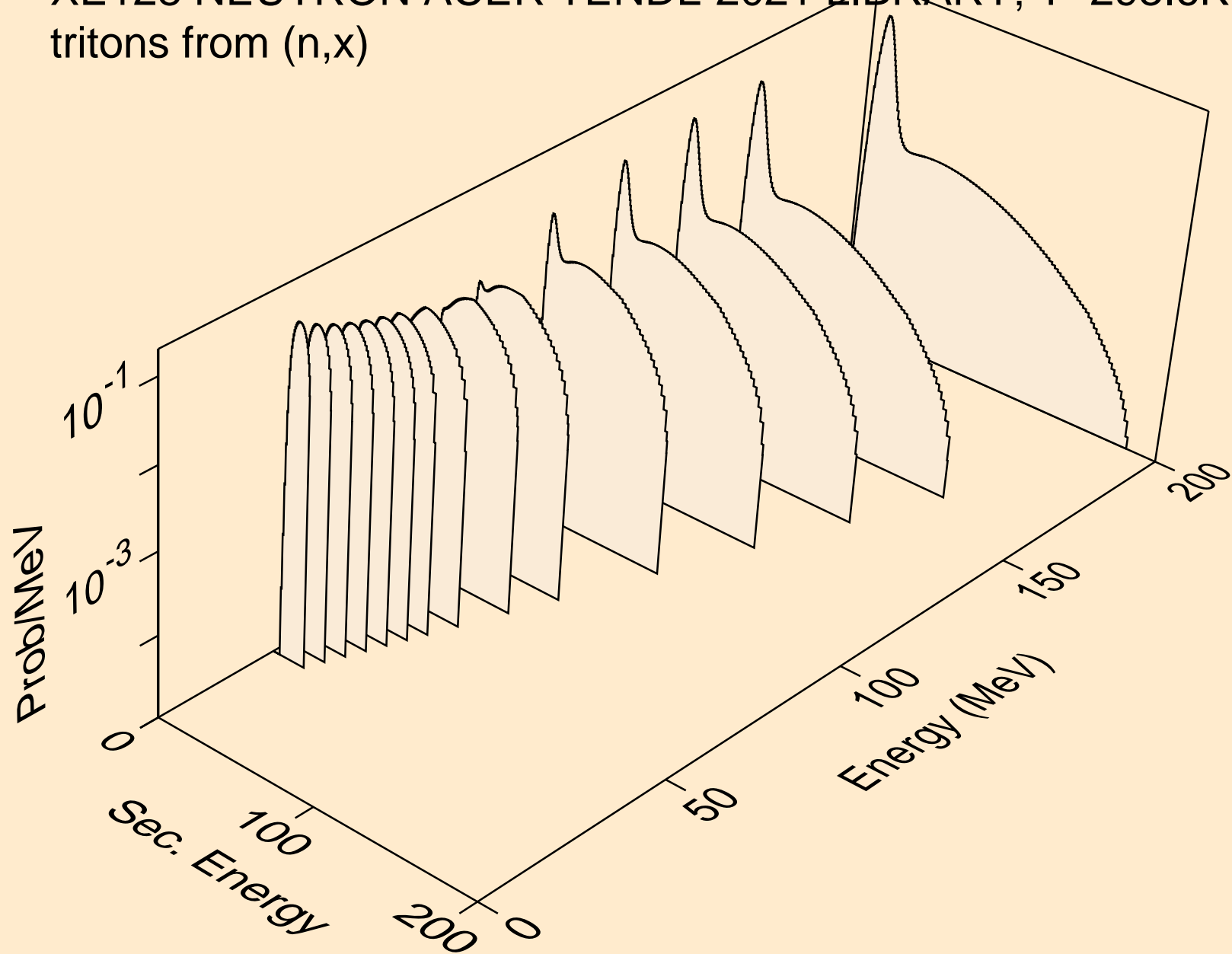
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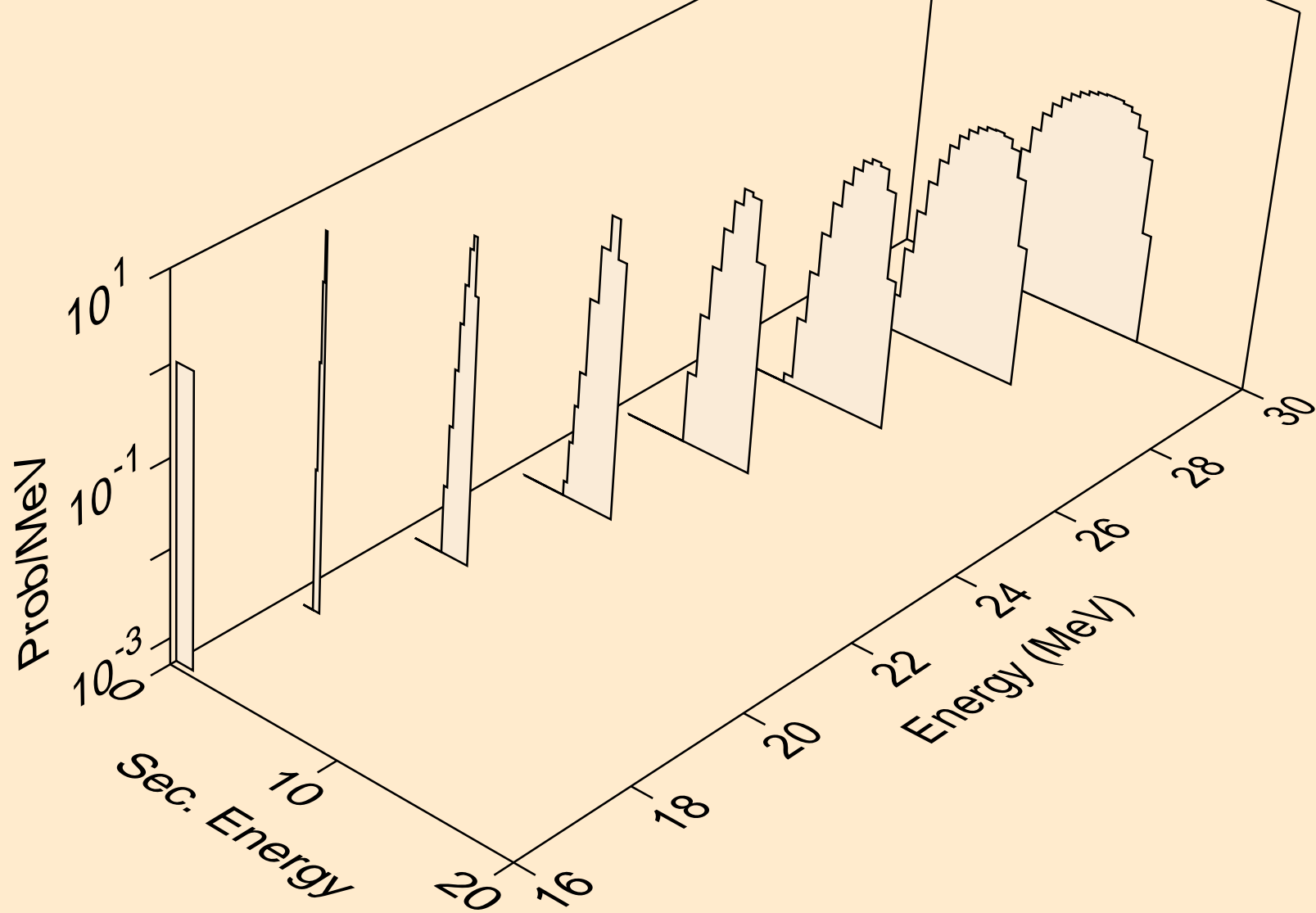
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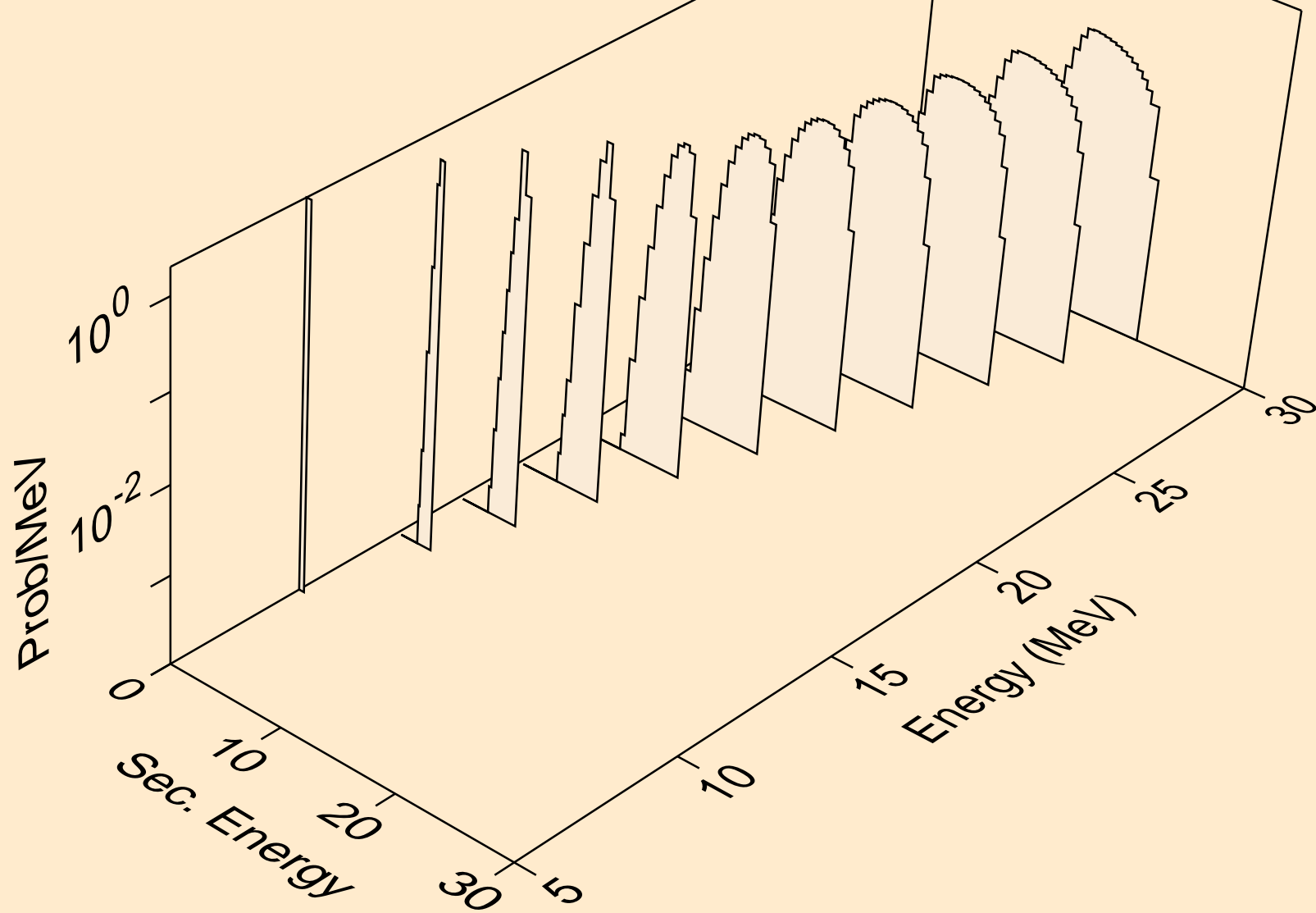
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tritons from (n,x)



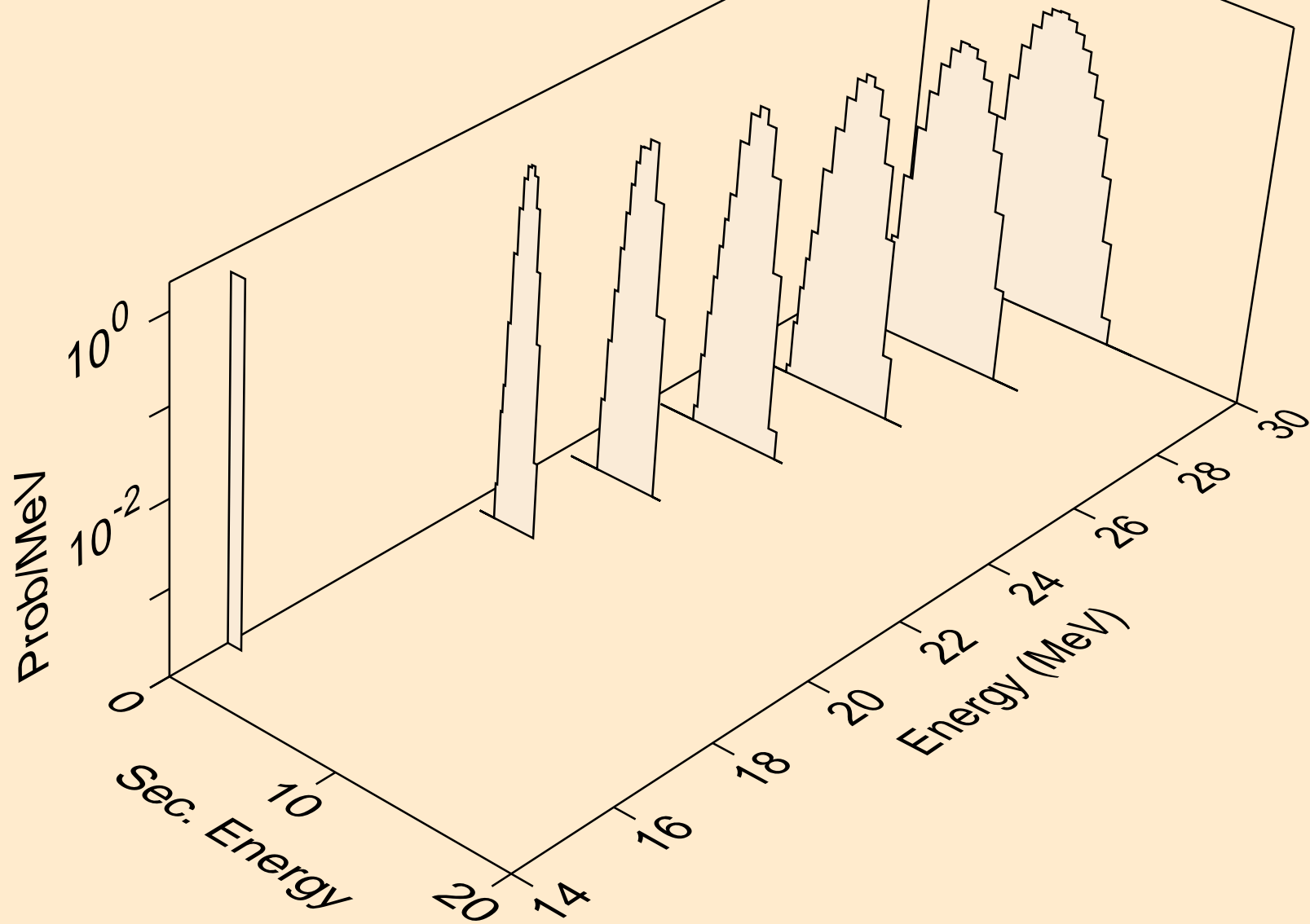
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t



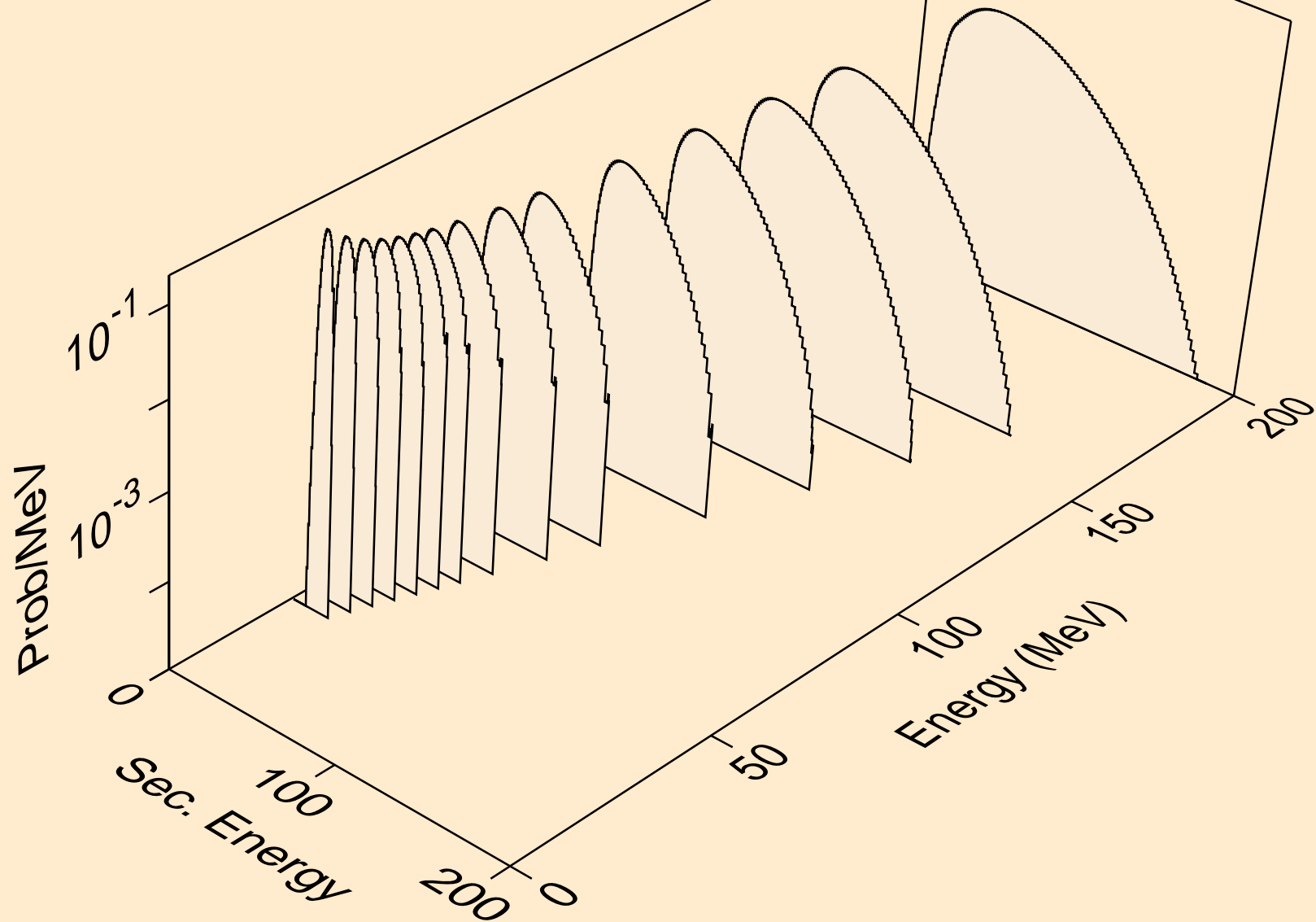
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,t)



XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,pt)

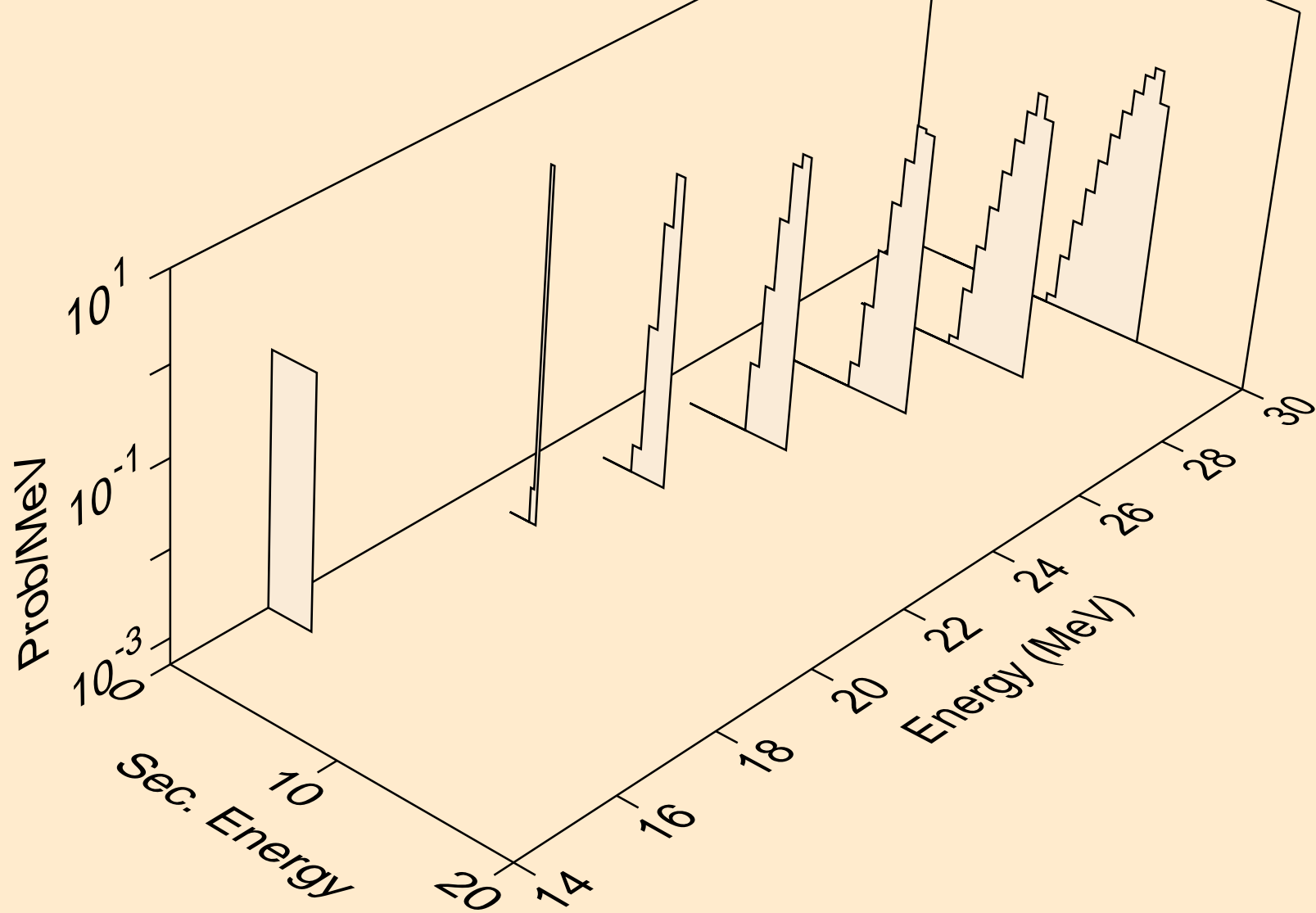


XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)

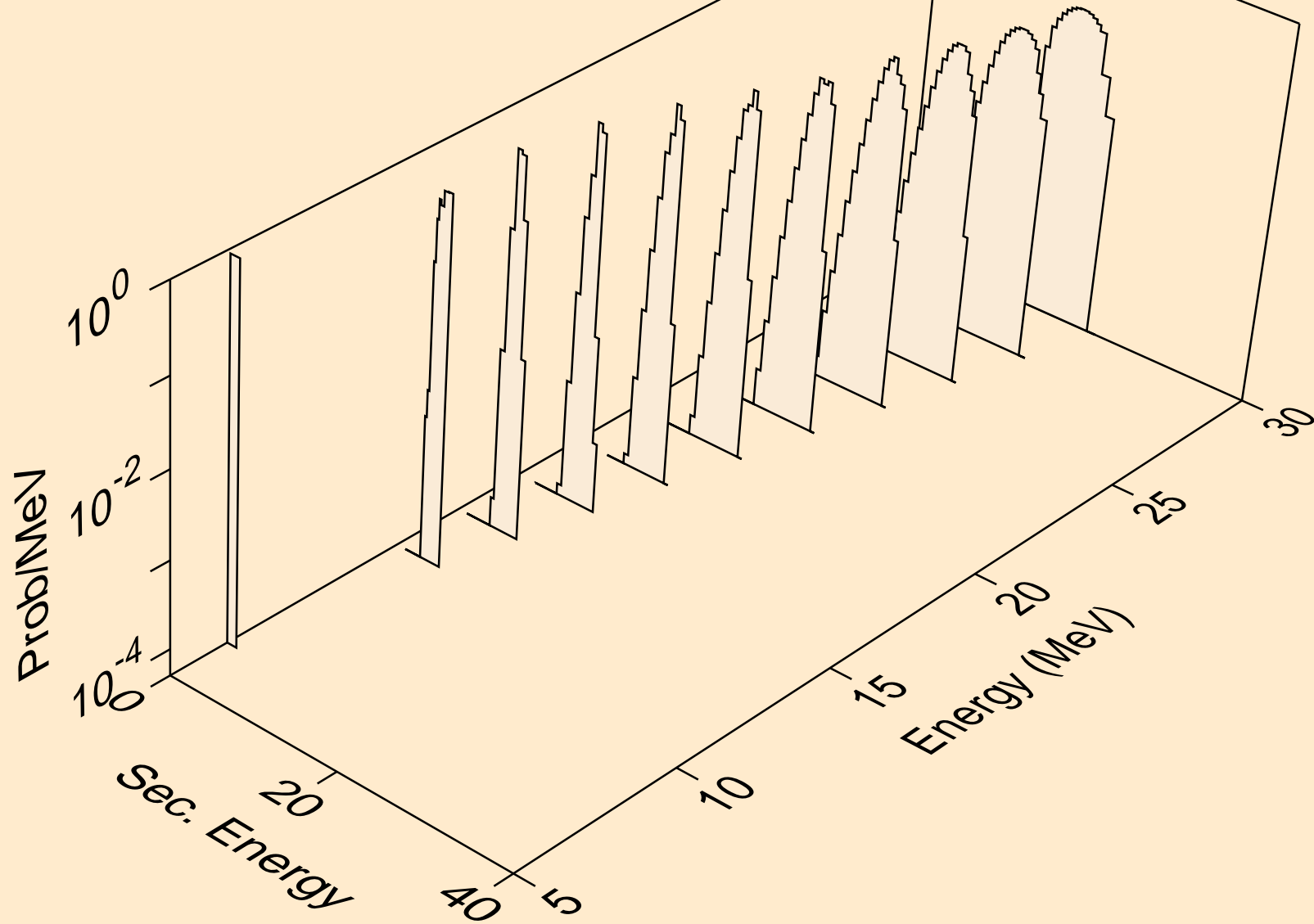




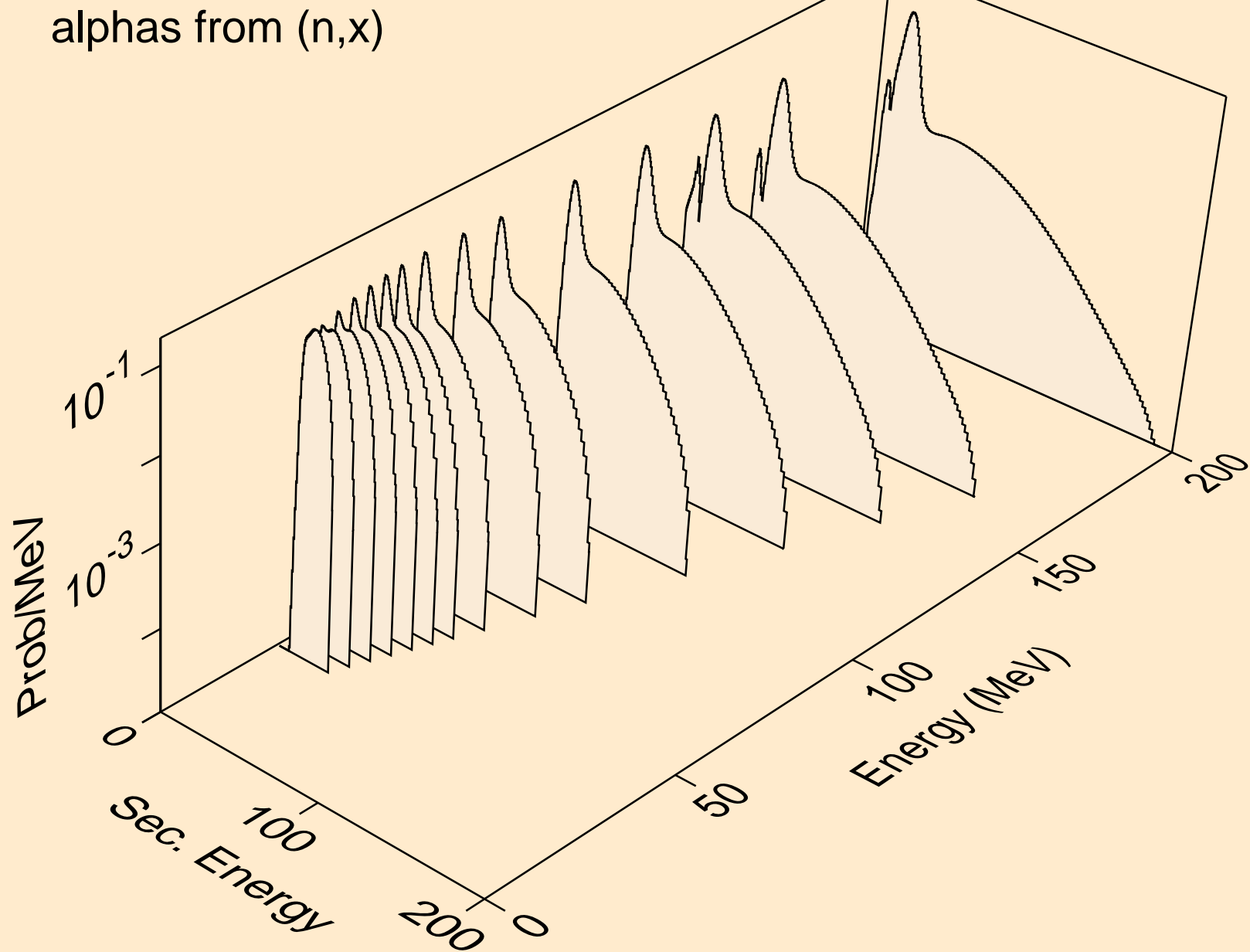
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,n\*)he3



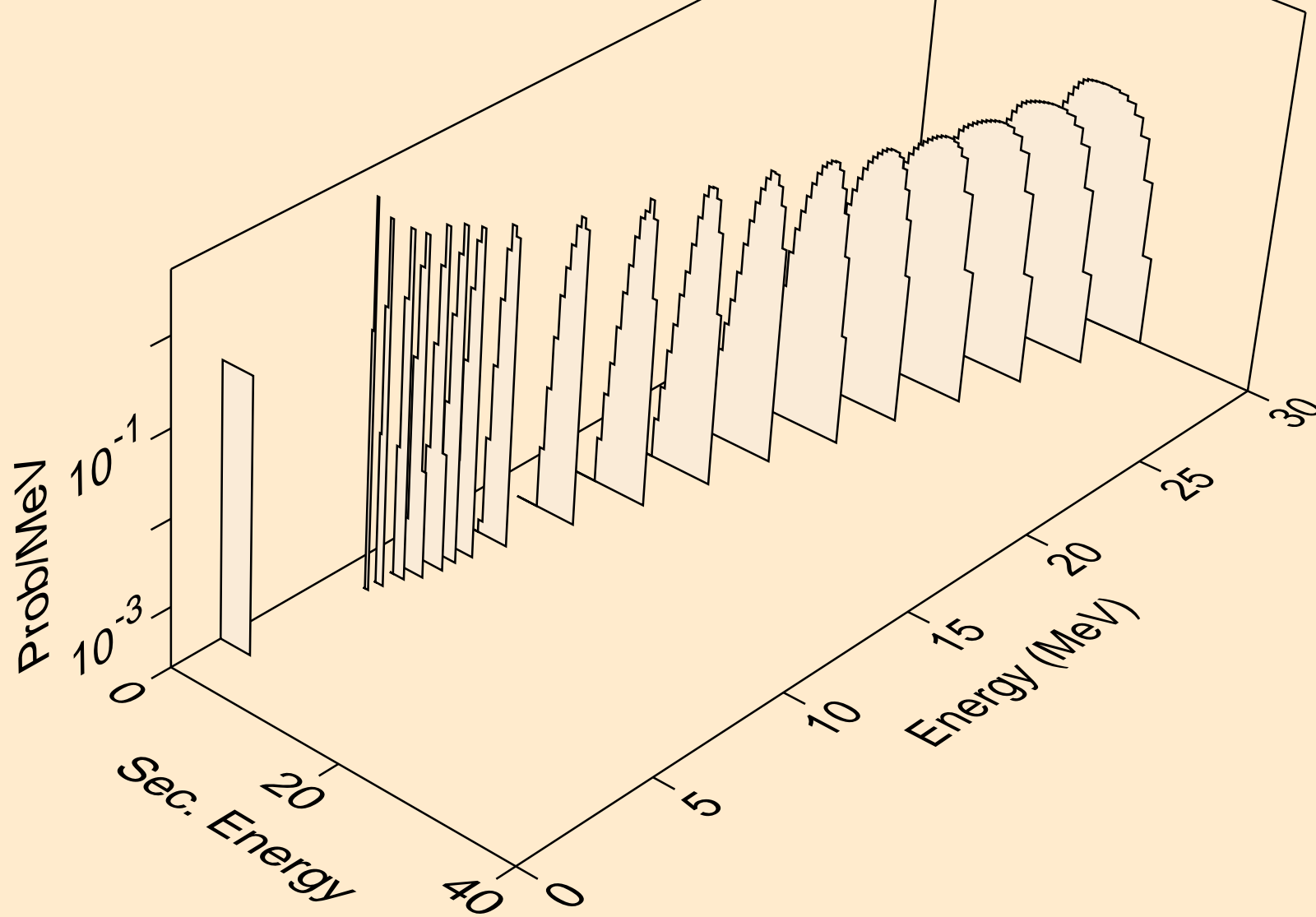
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he3s from (n,he3)



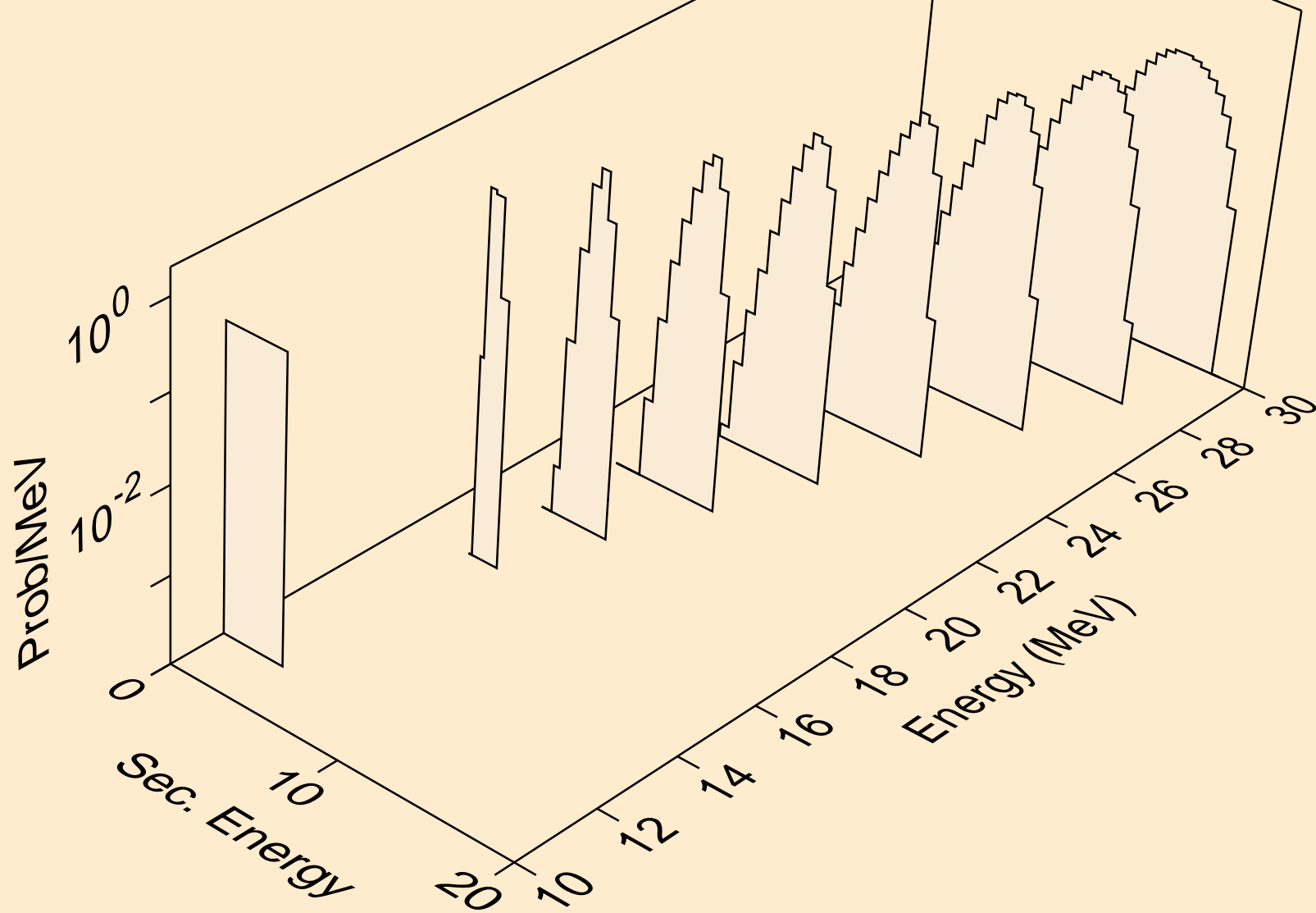
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)



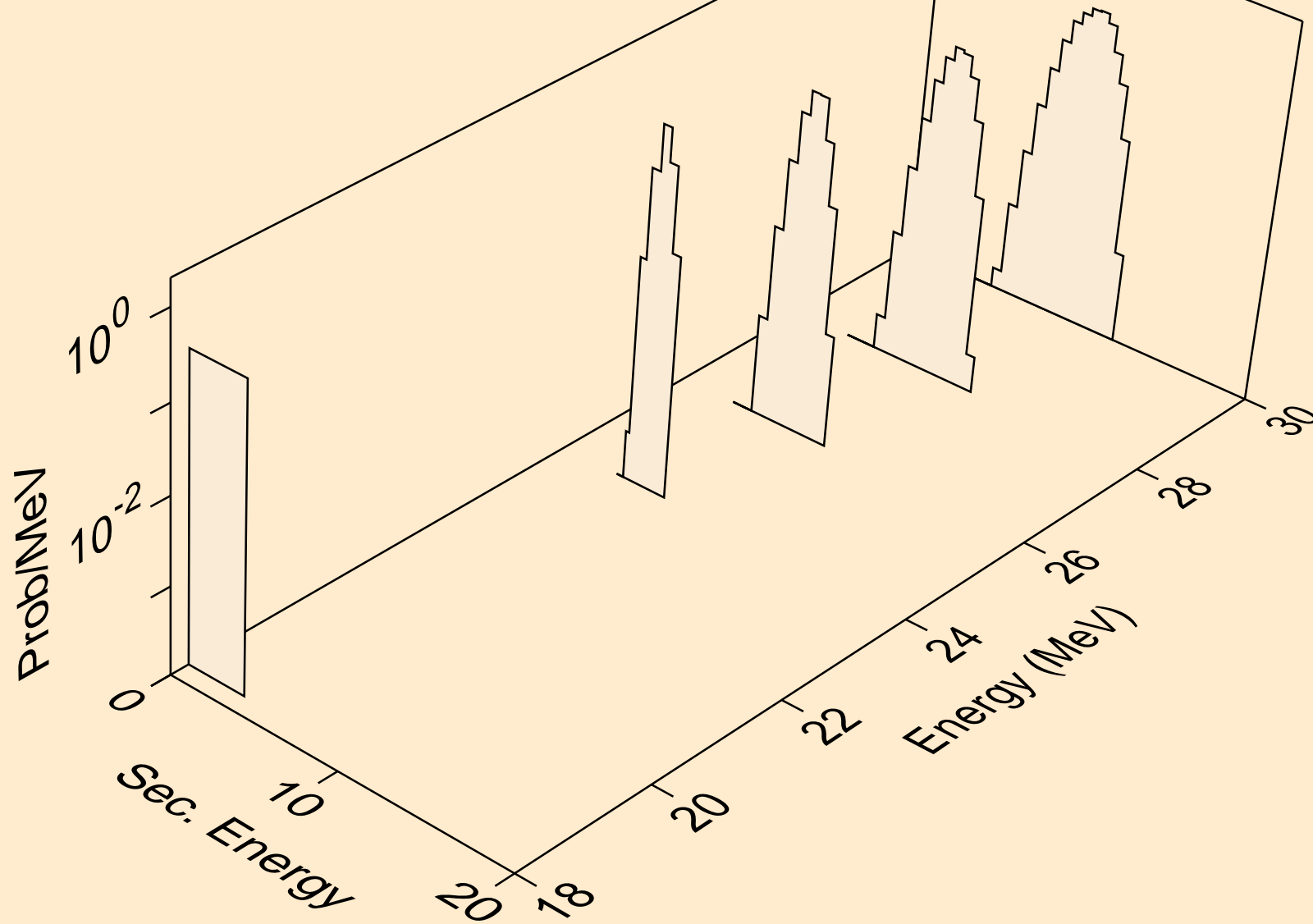
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a



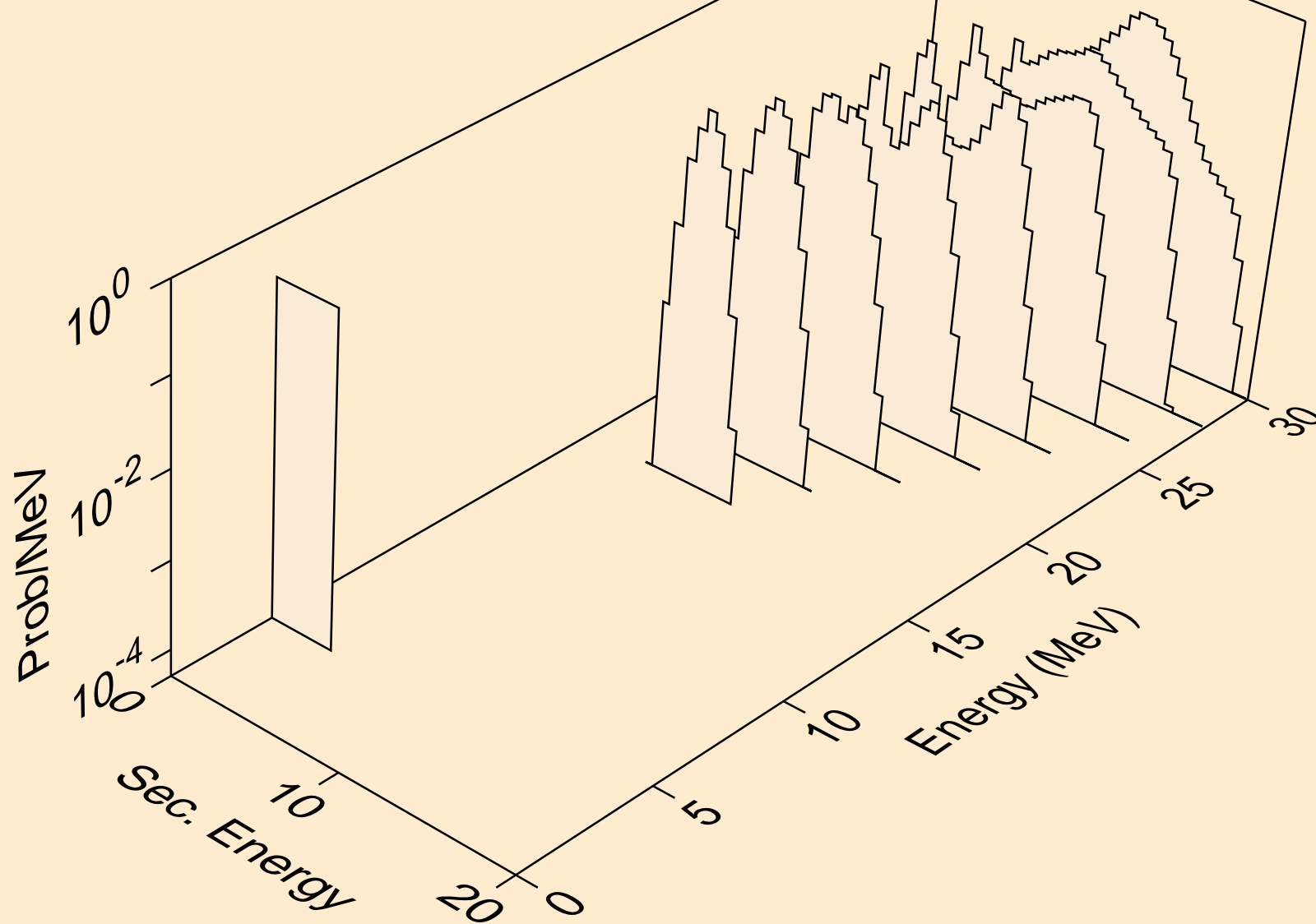
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alphas from (n,2n)a



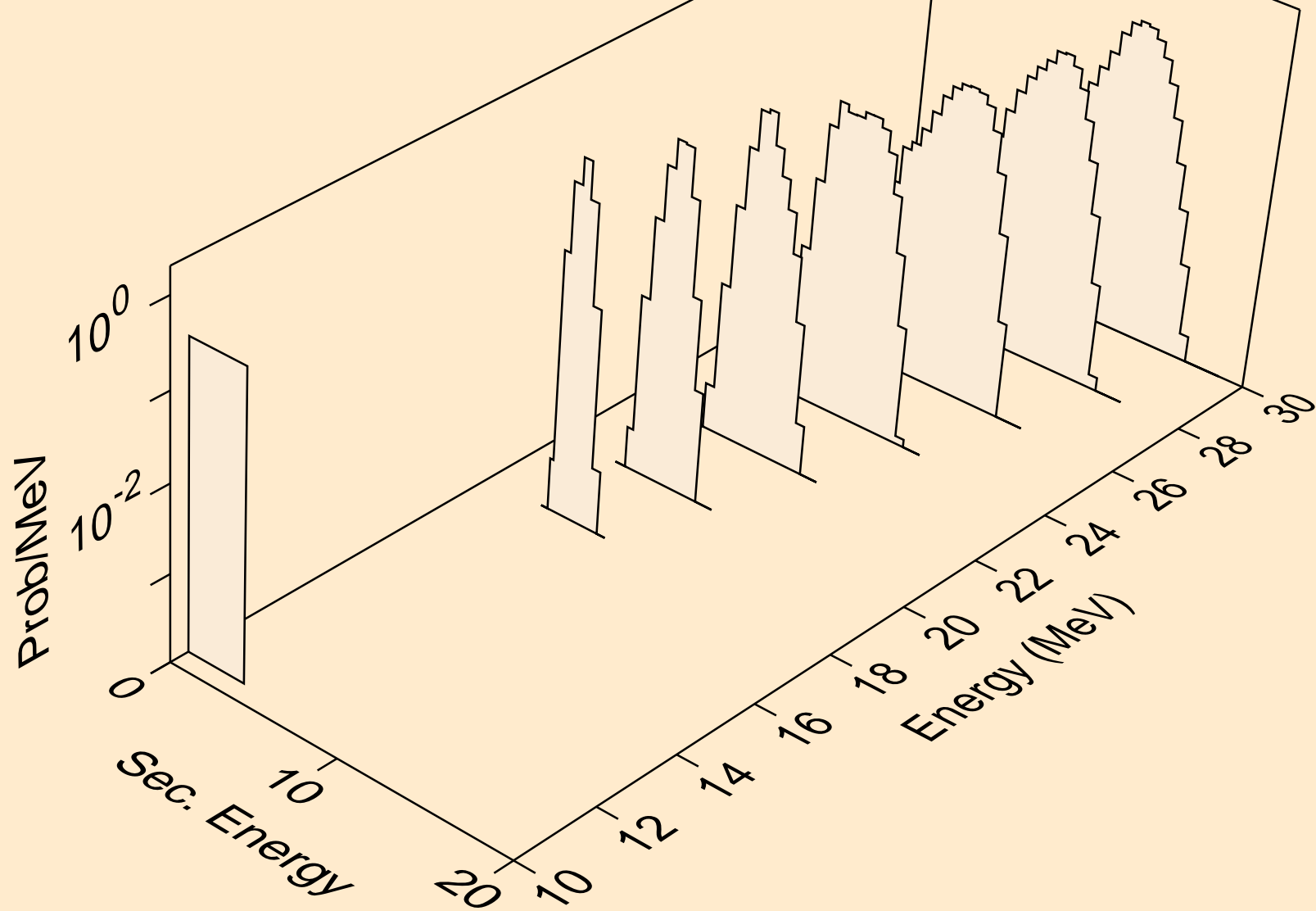
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3n)a



XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)2a

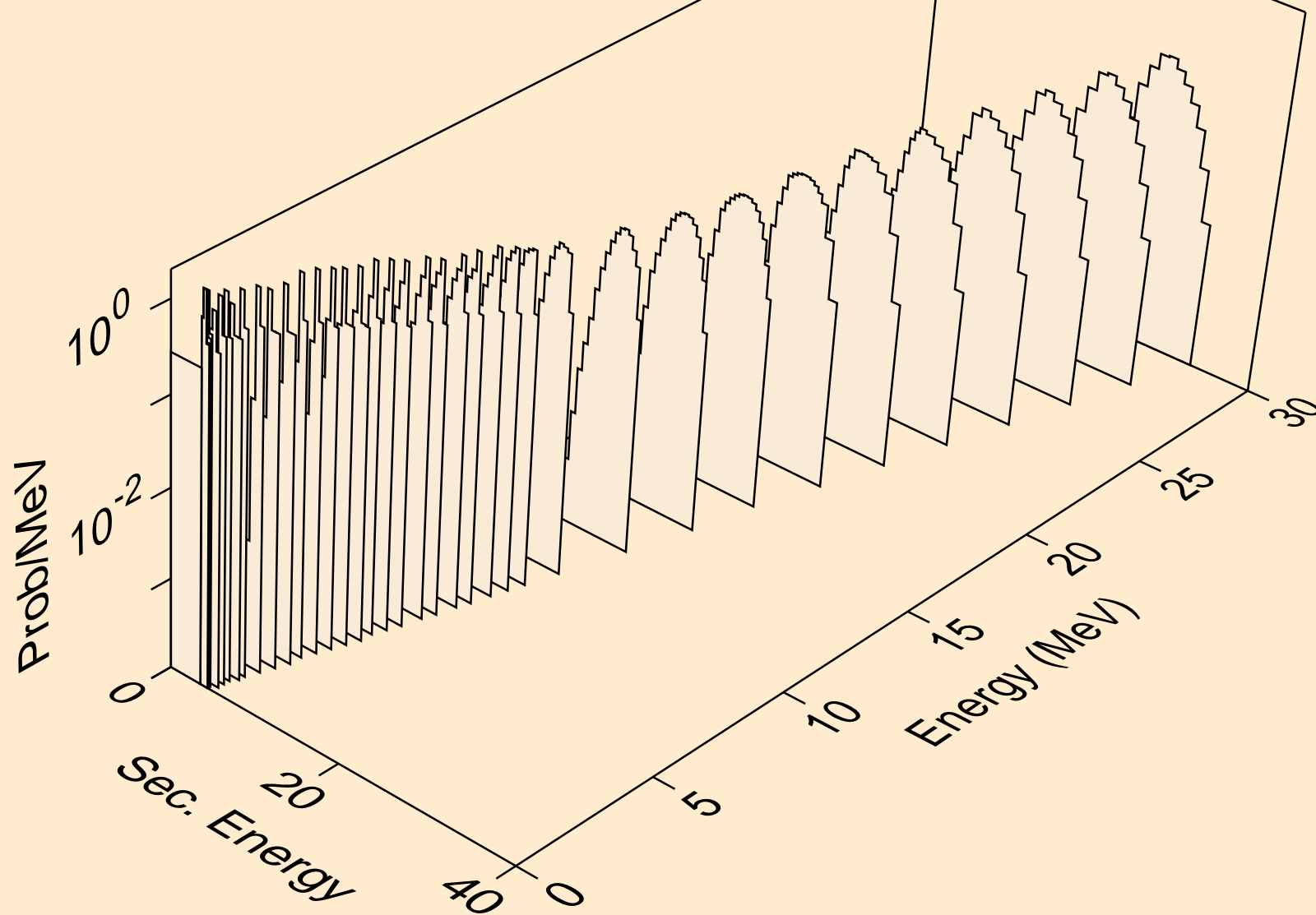


XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)

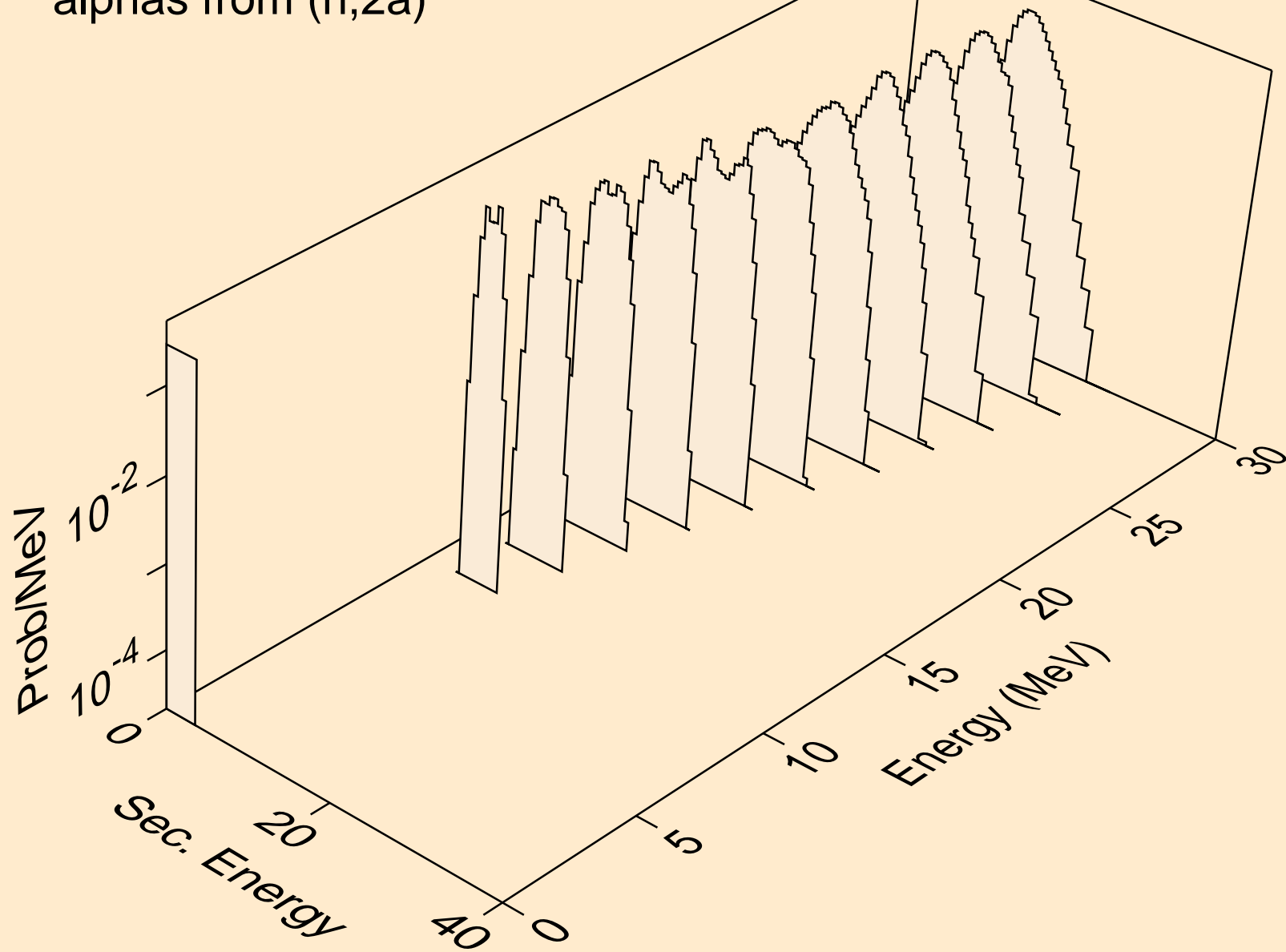




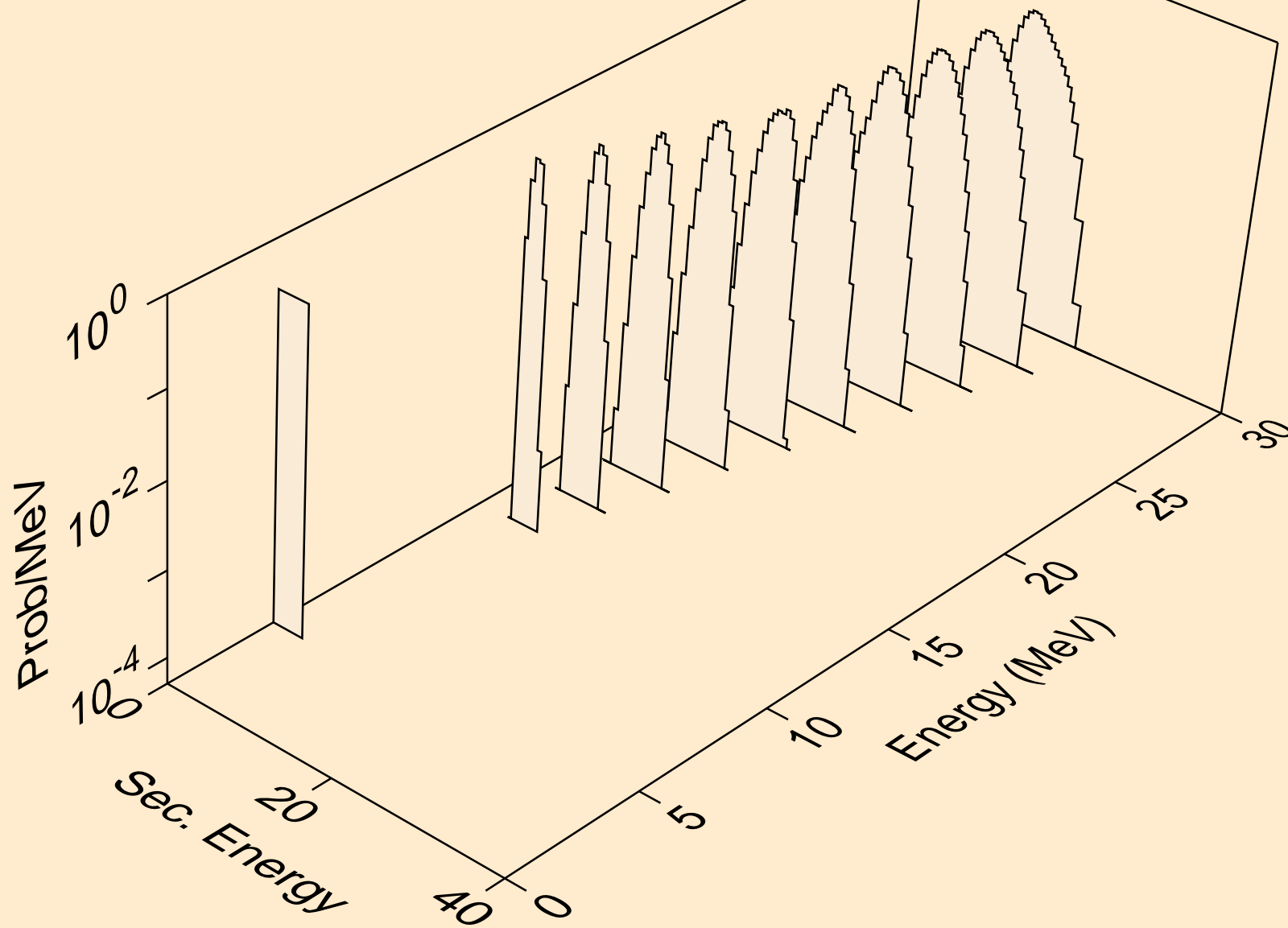
XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)



XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)



XE128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

