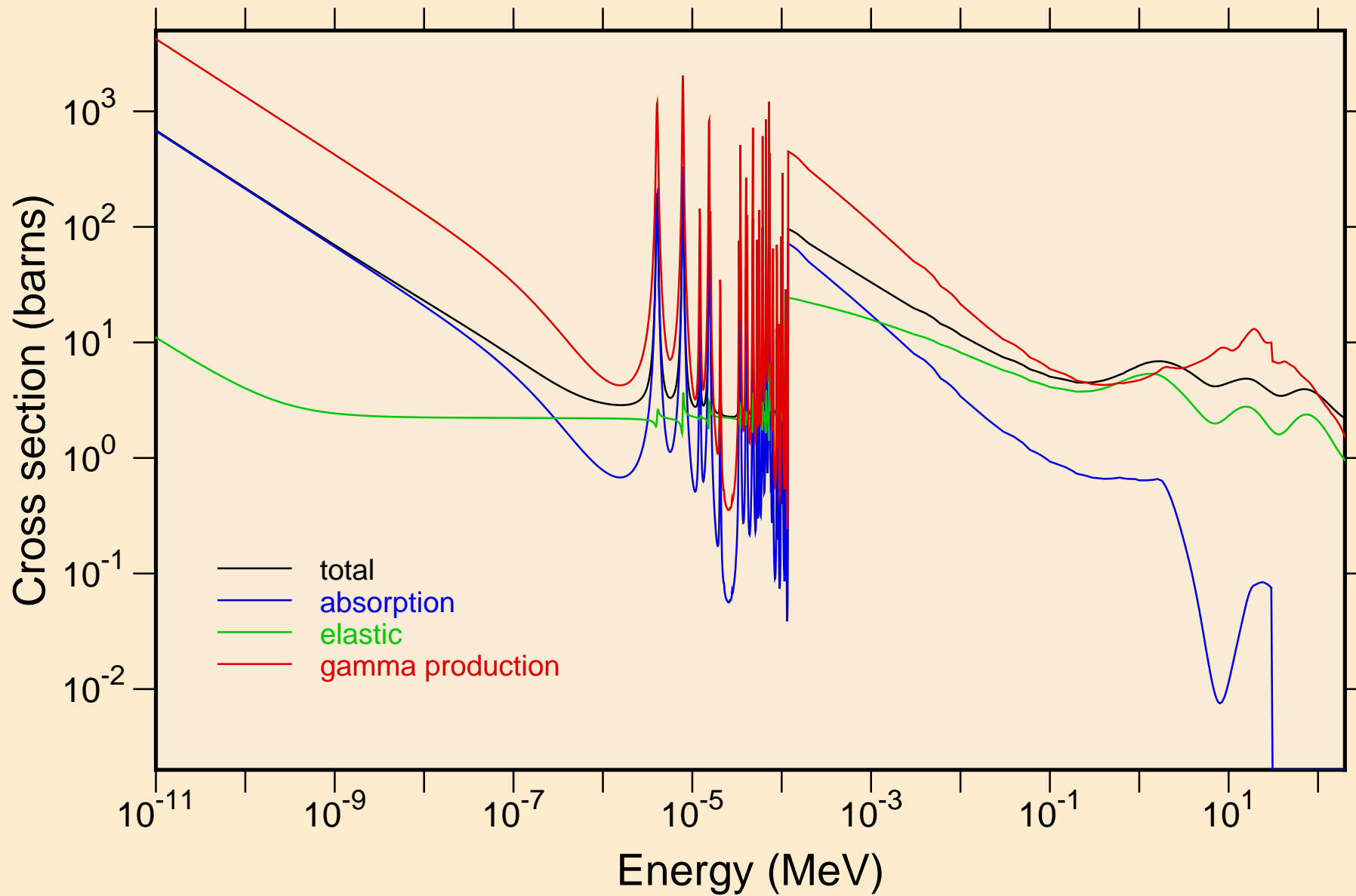
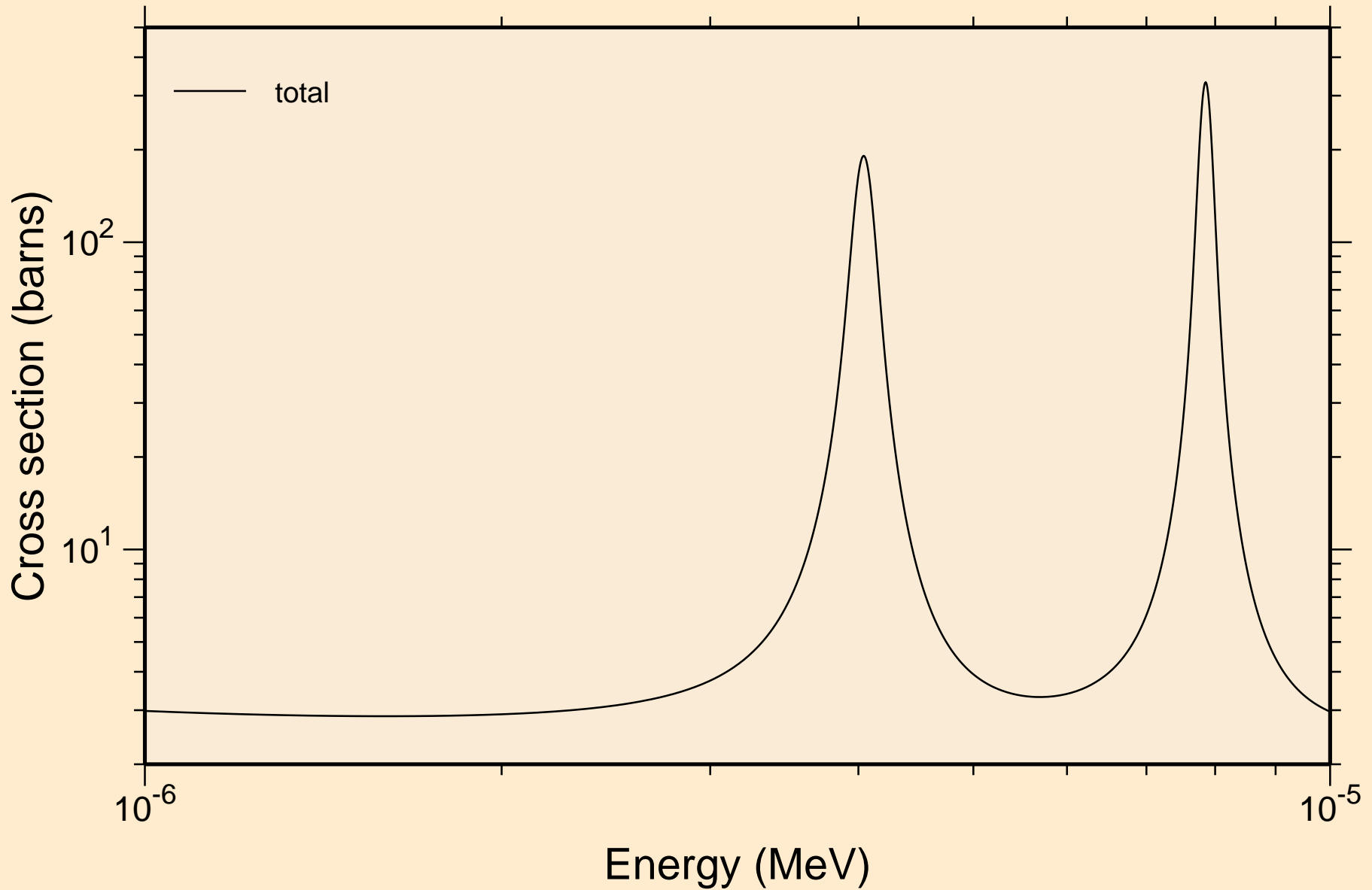


# CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

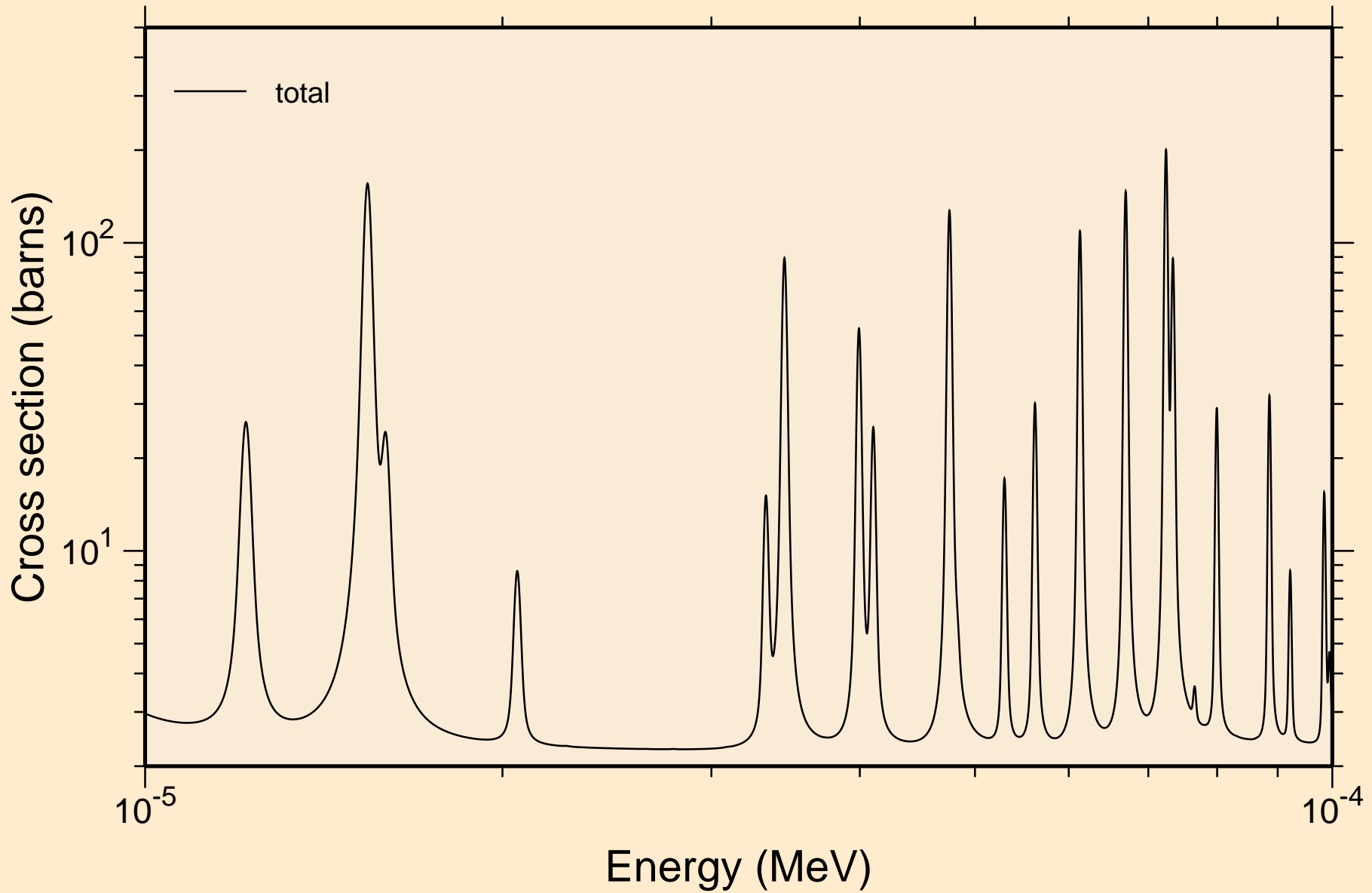
## Principal cross sections



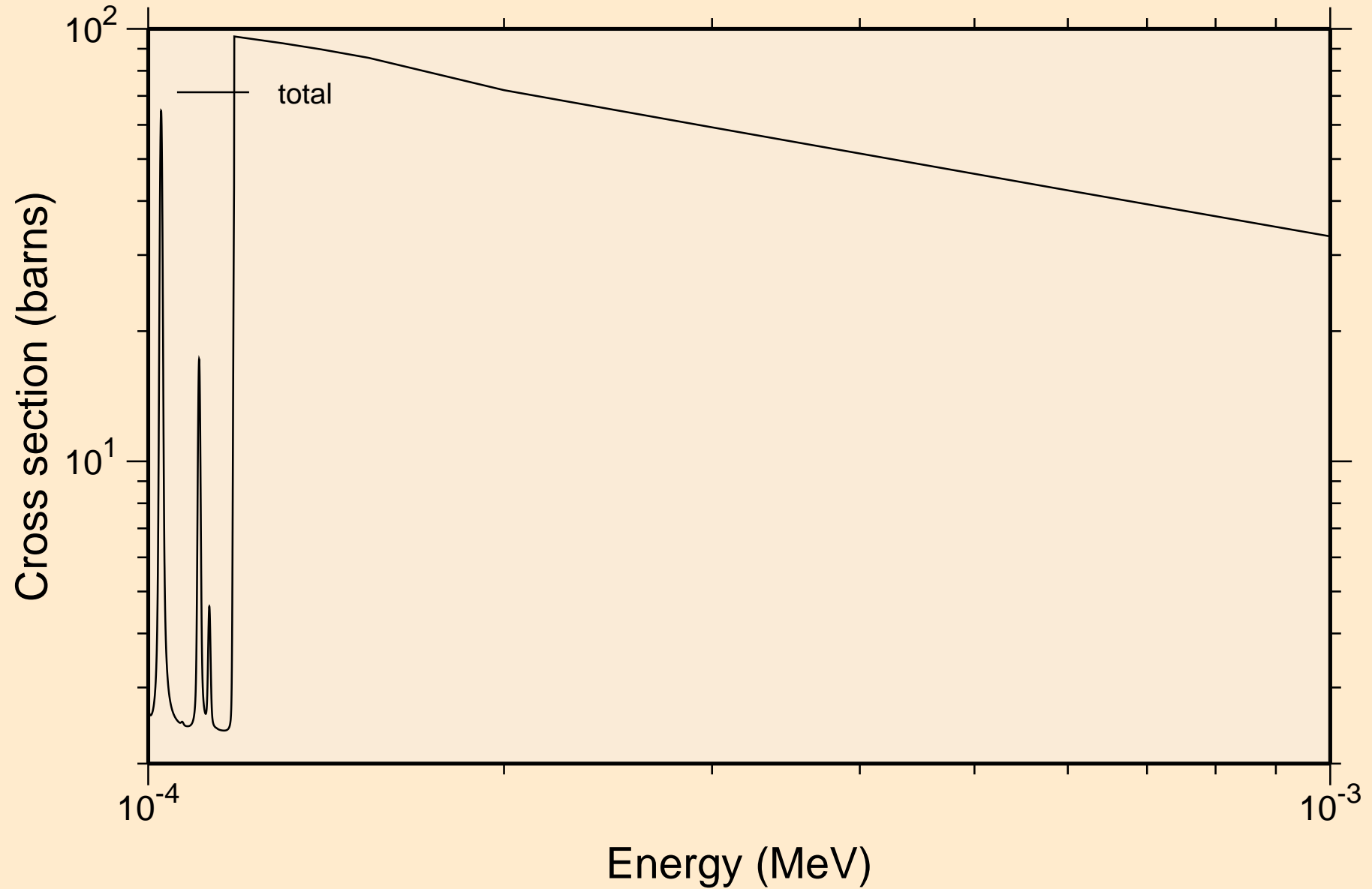
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



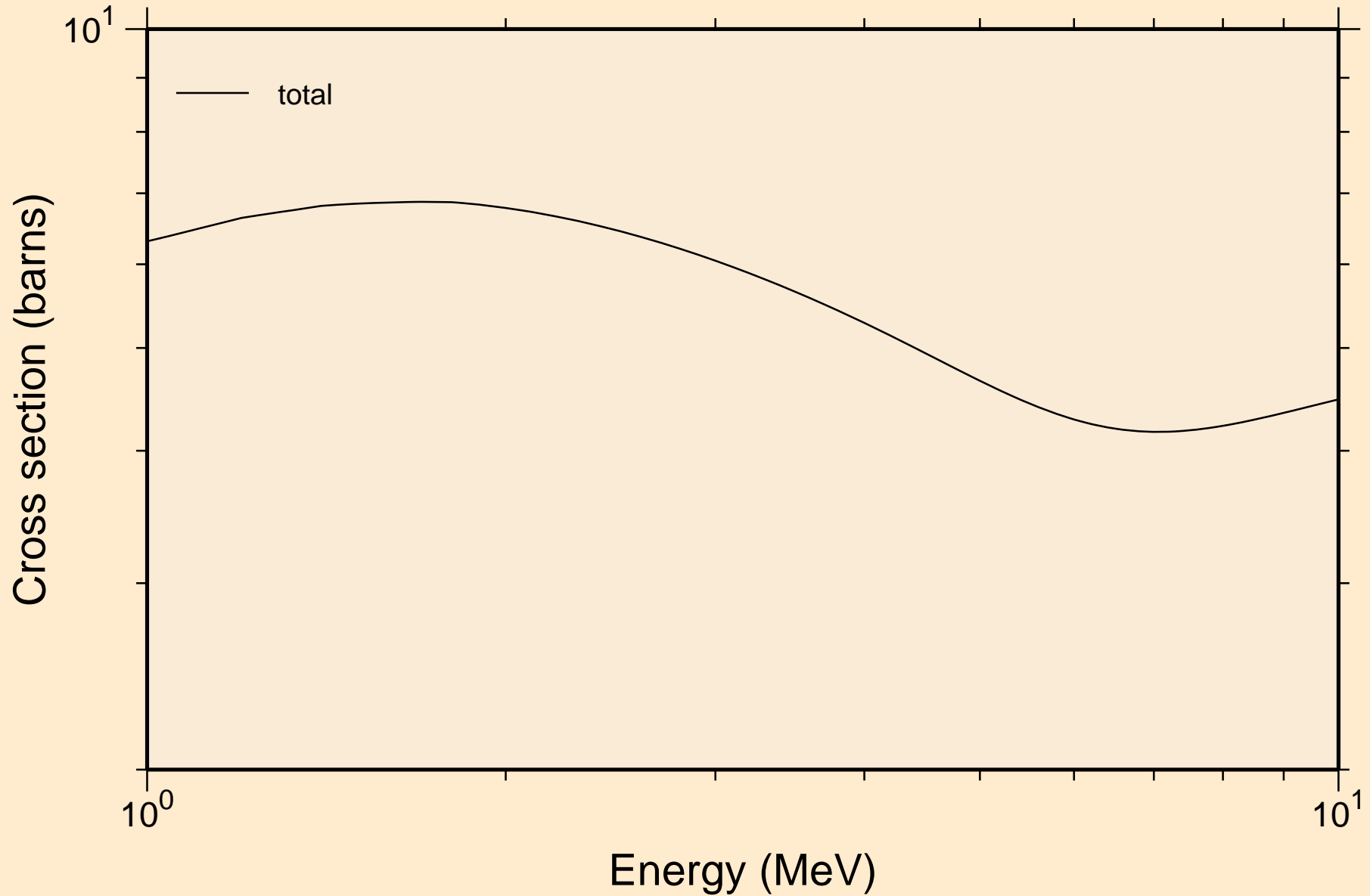
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



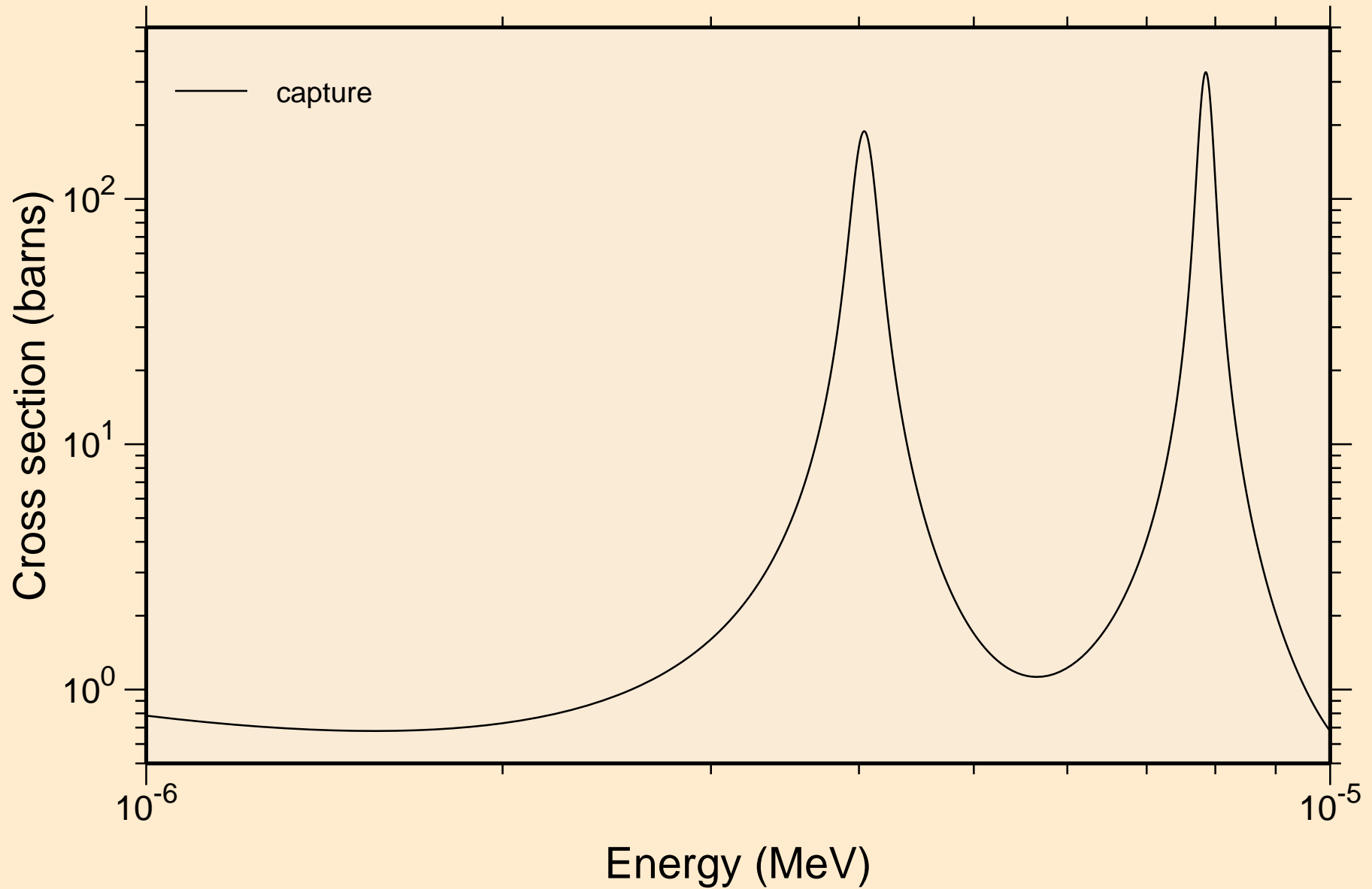
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



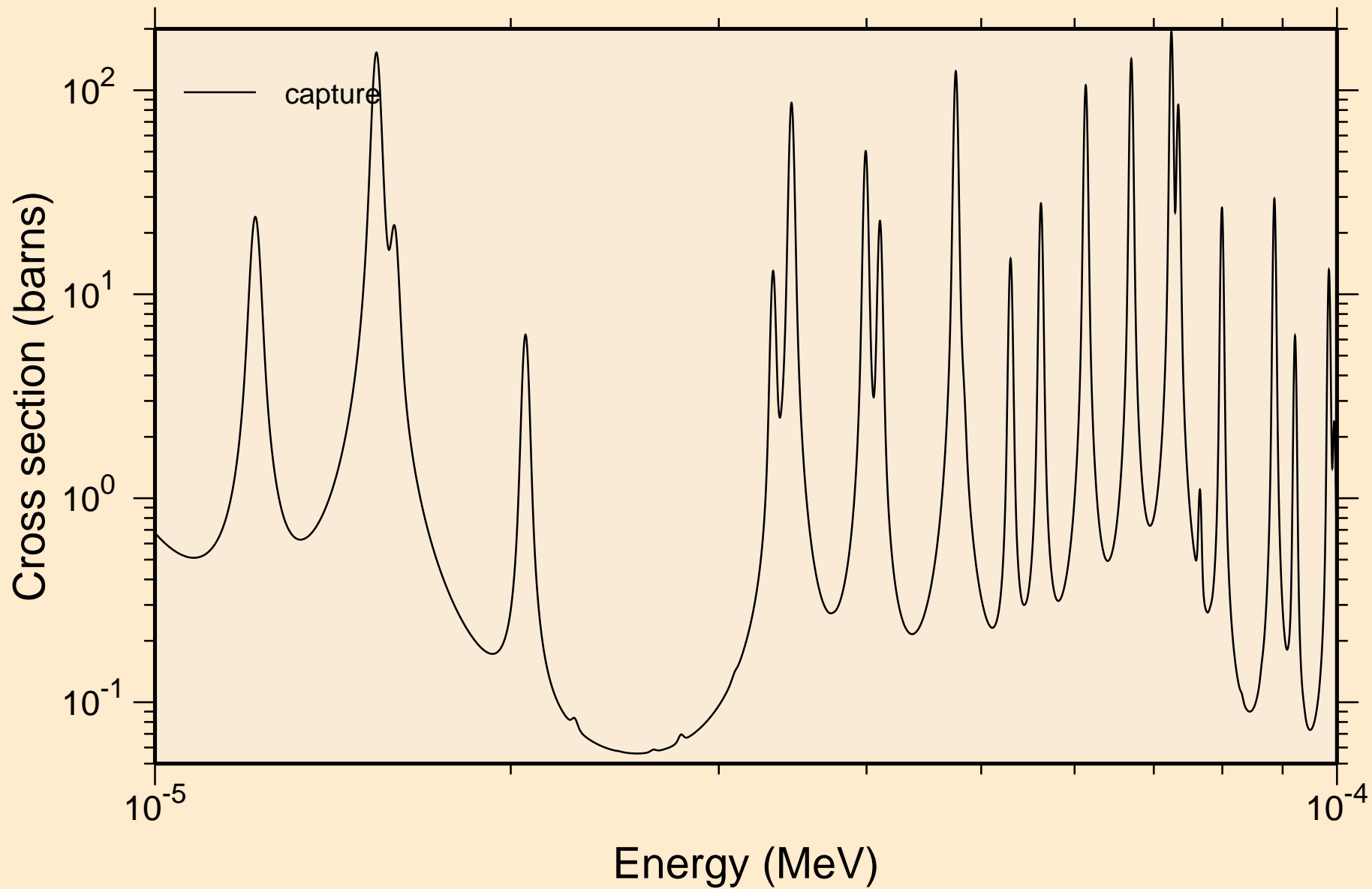
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



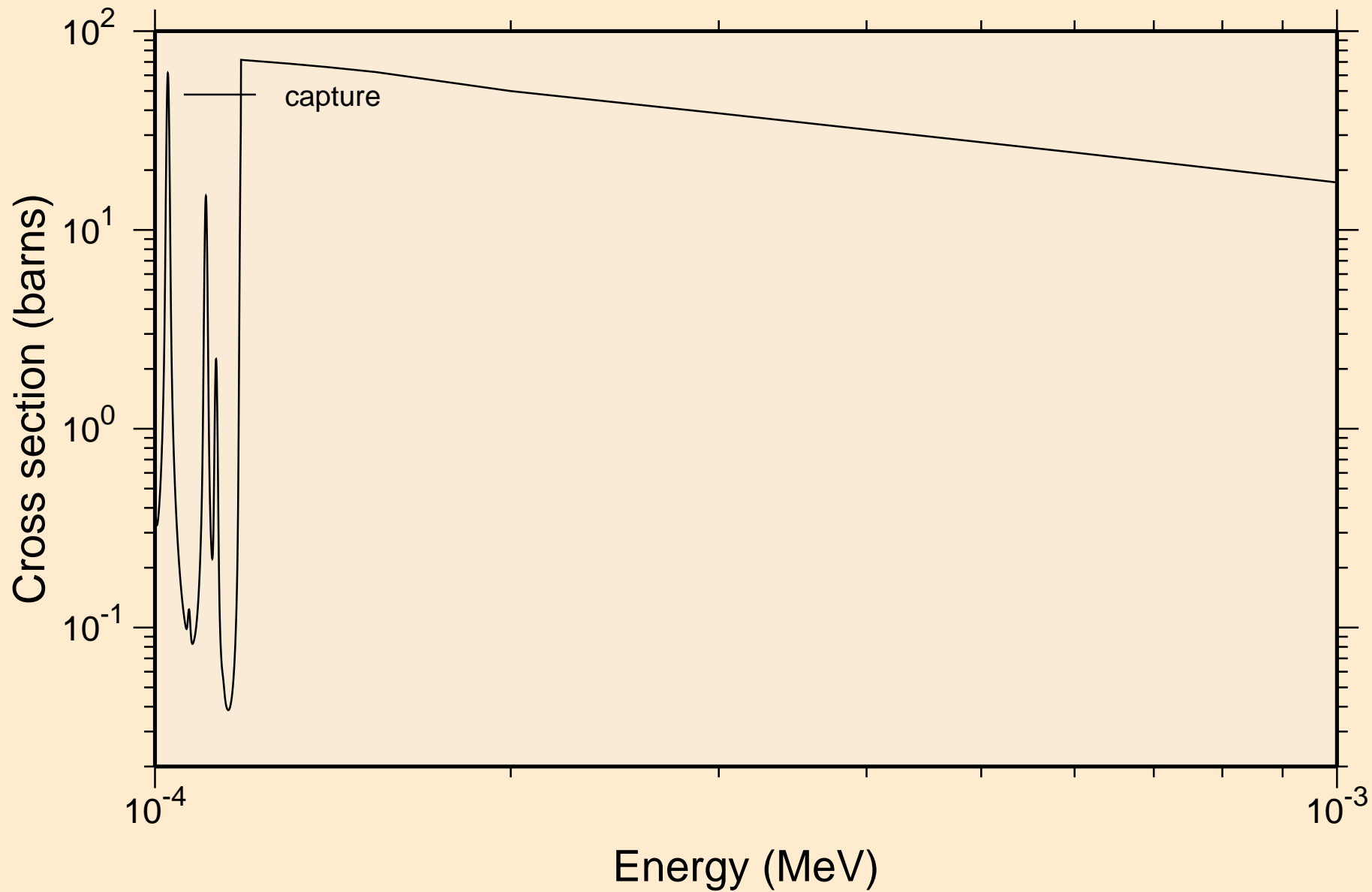
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

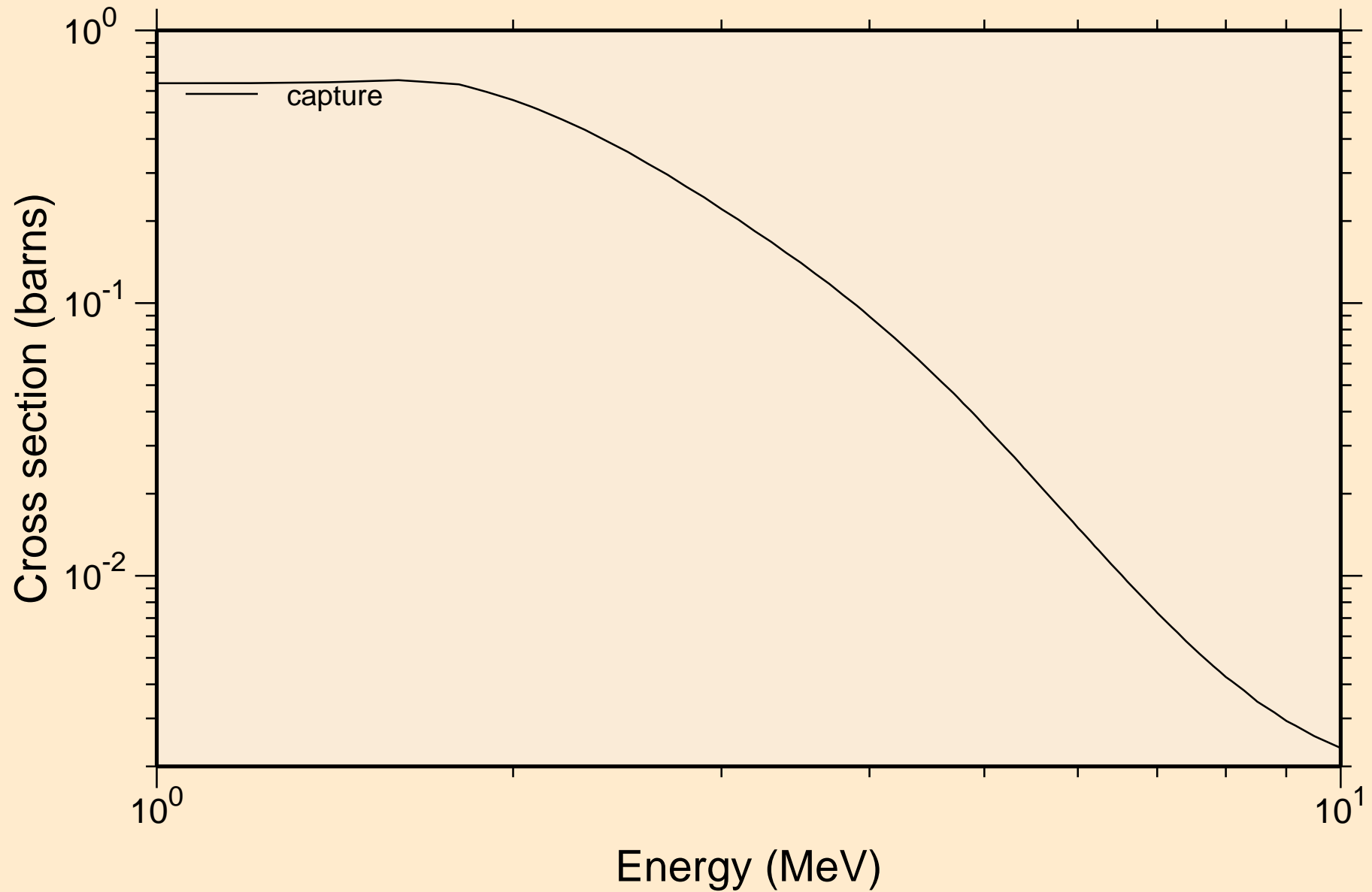


CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

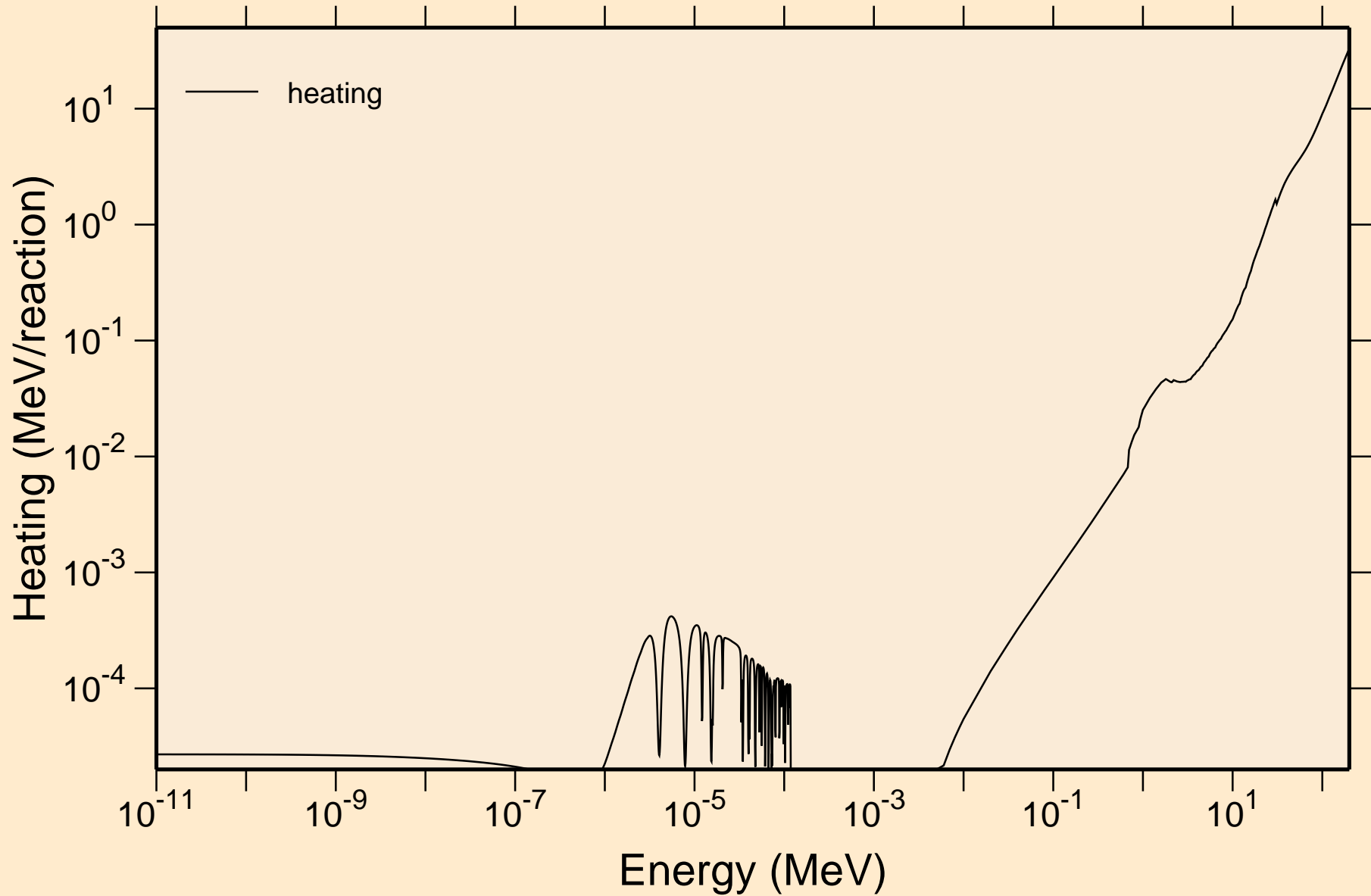




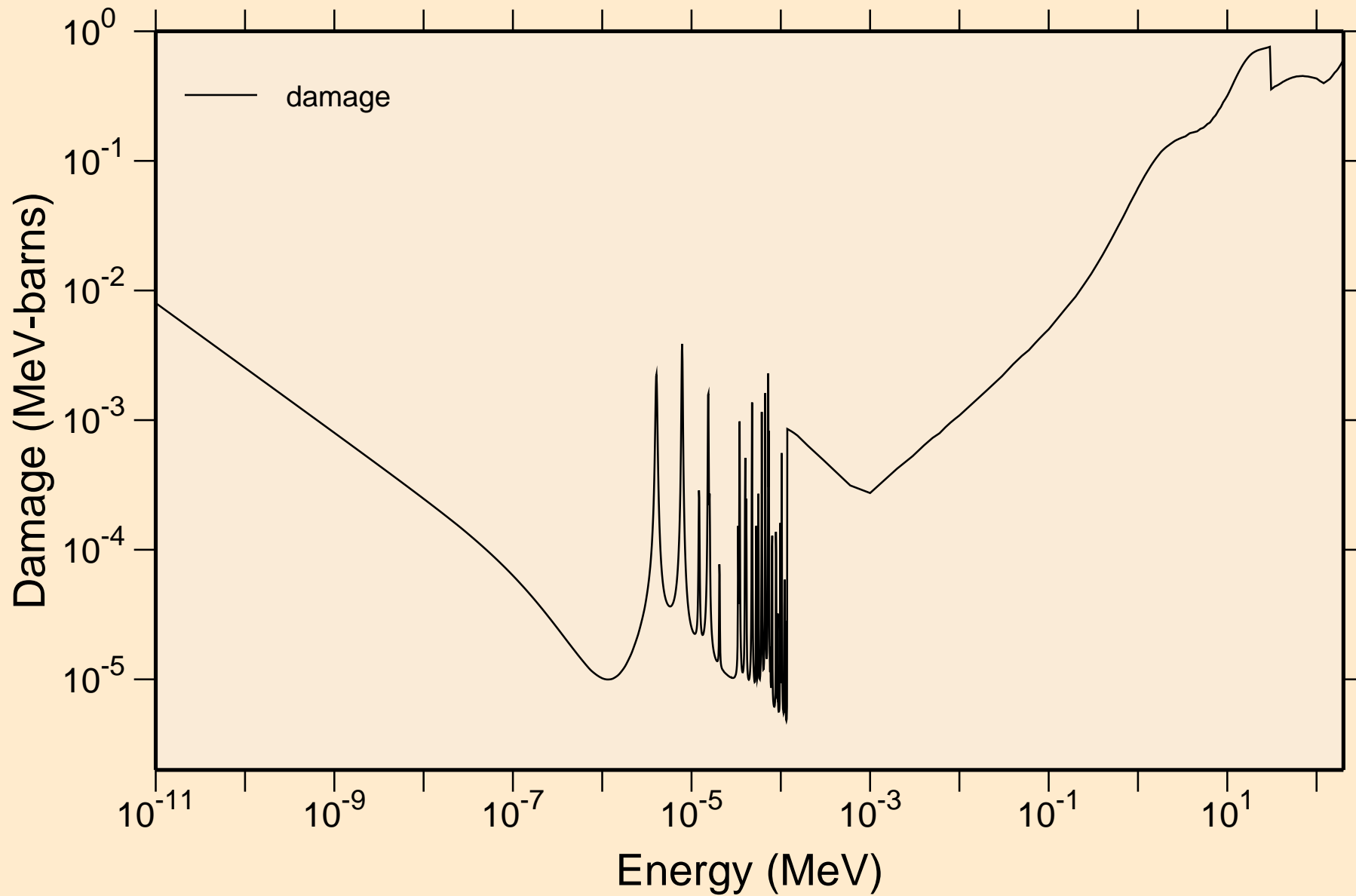
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating

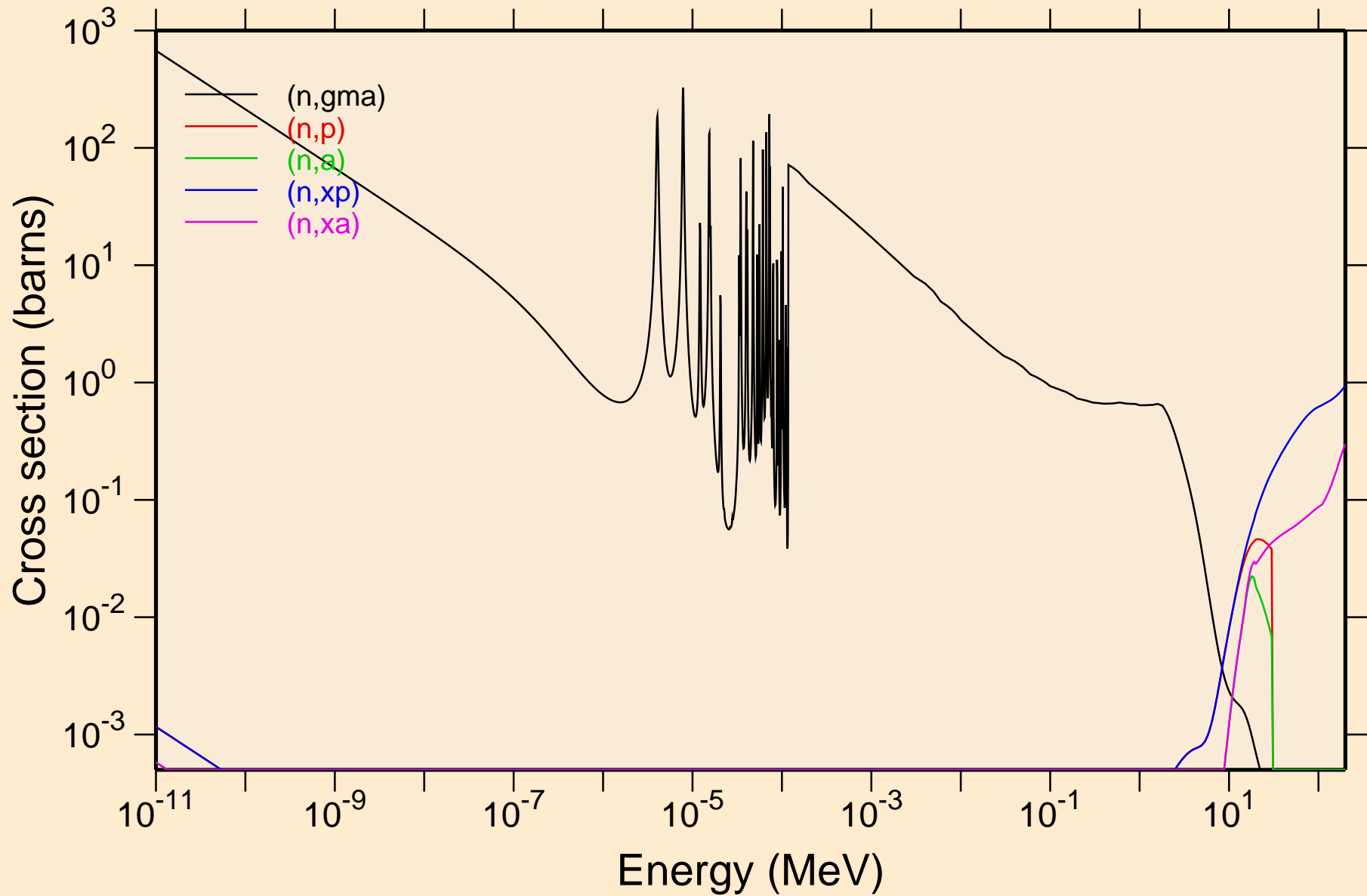


CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

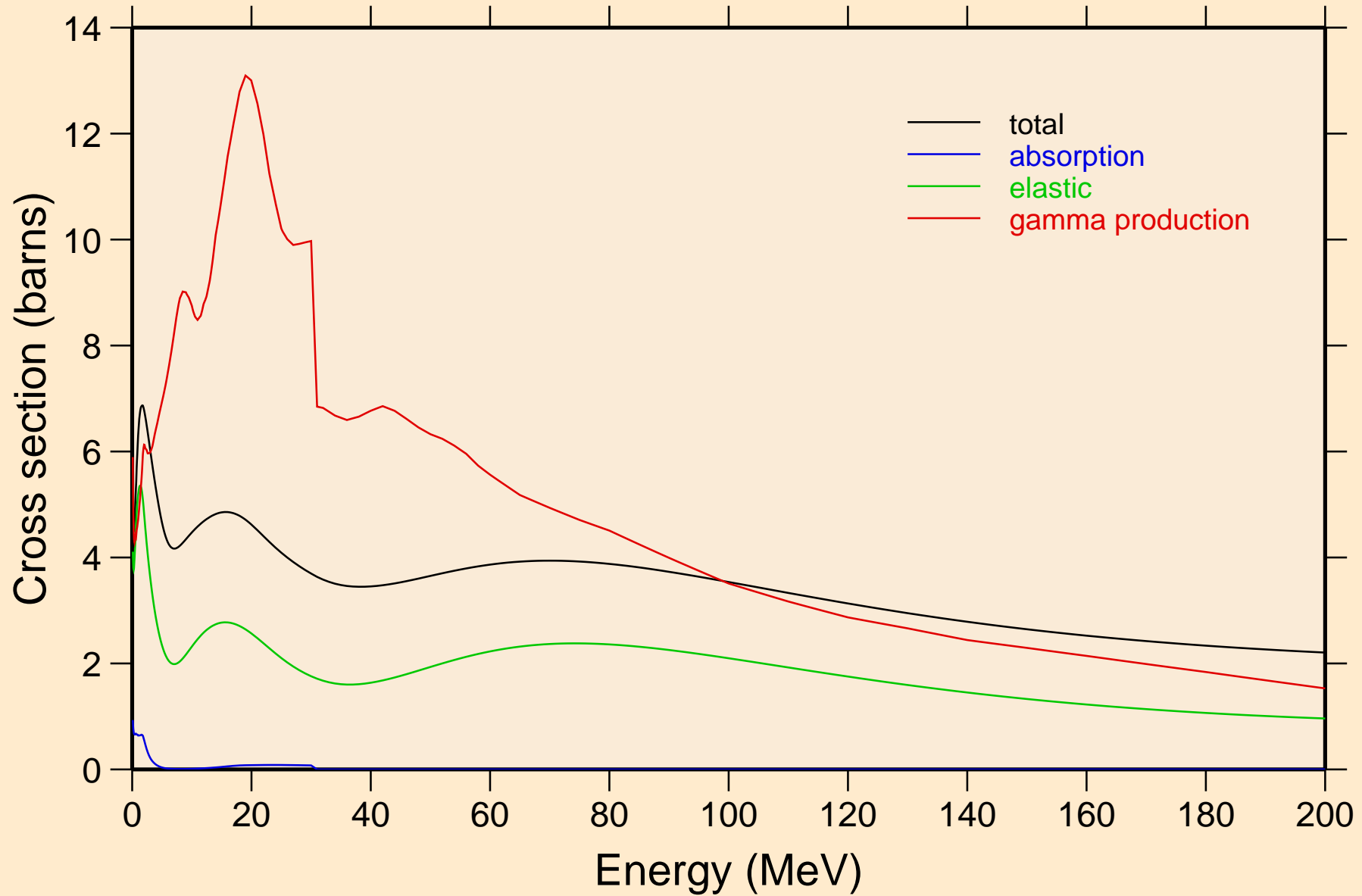


# CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

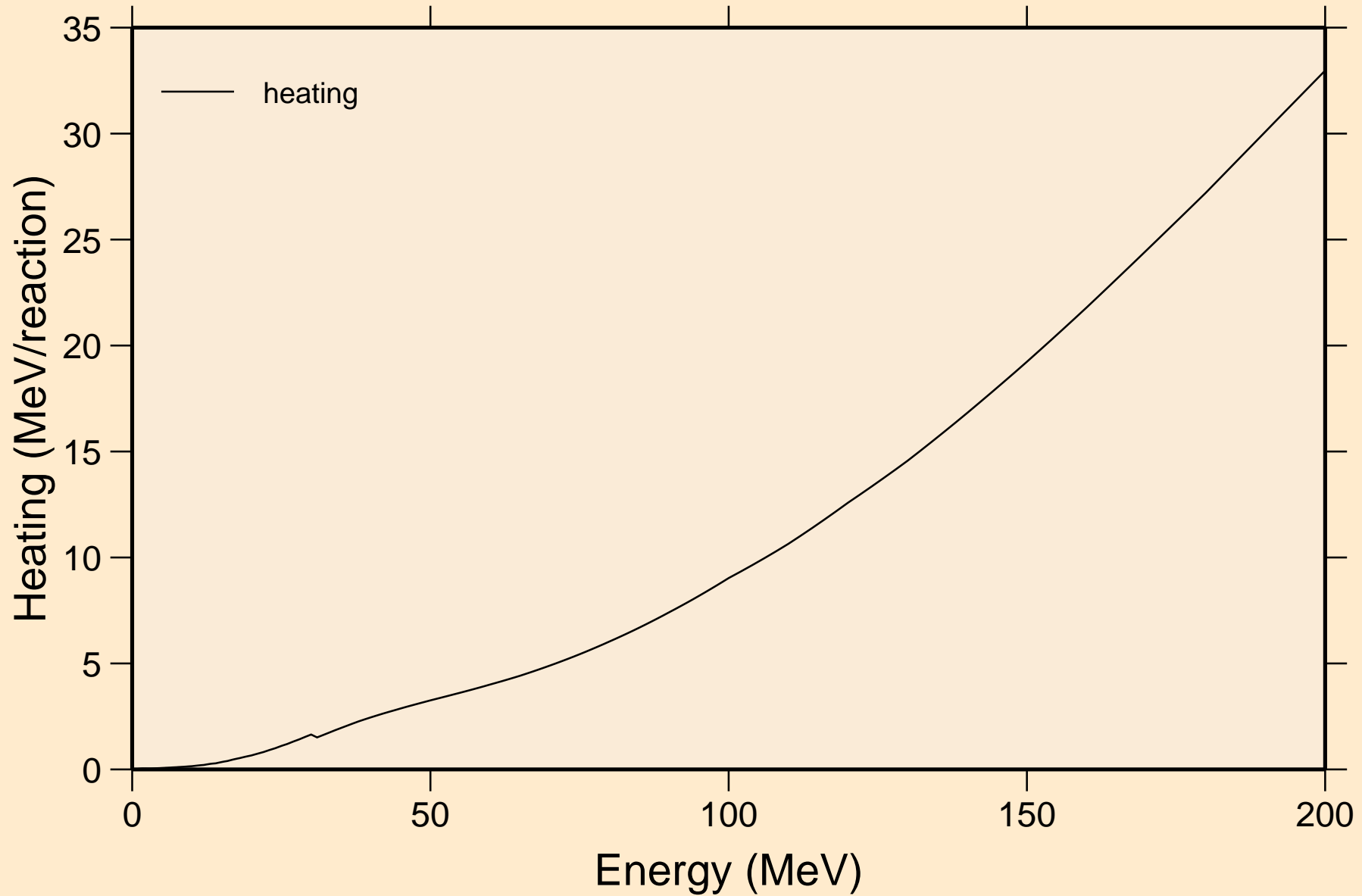
## Non-threshold reactions



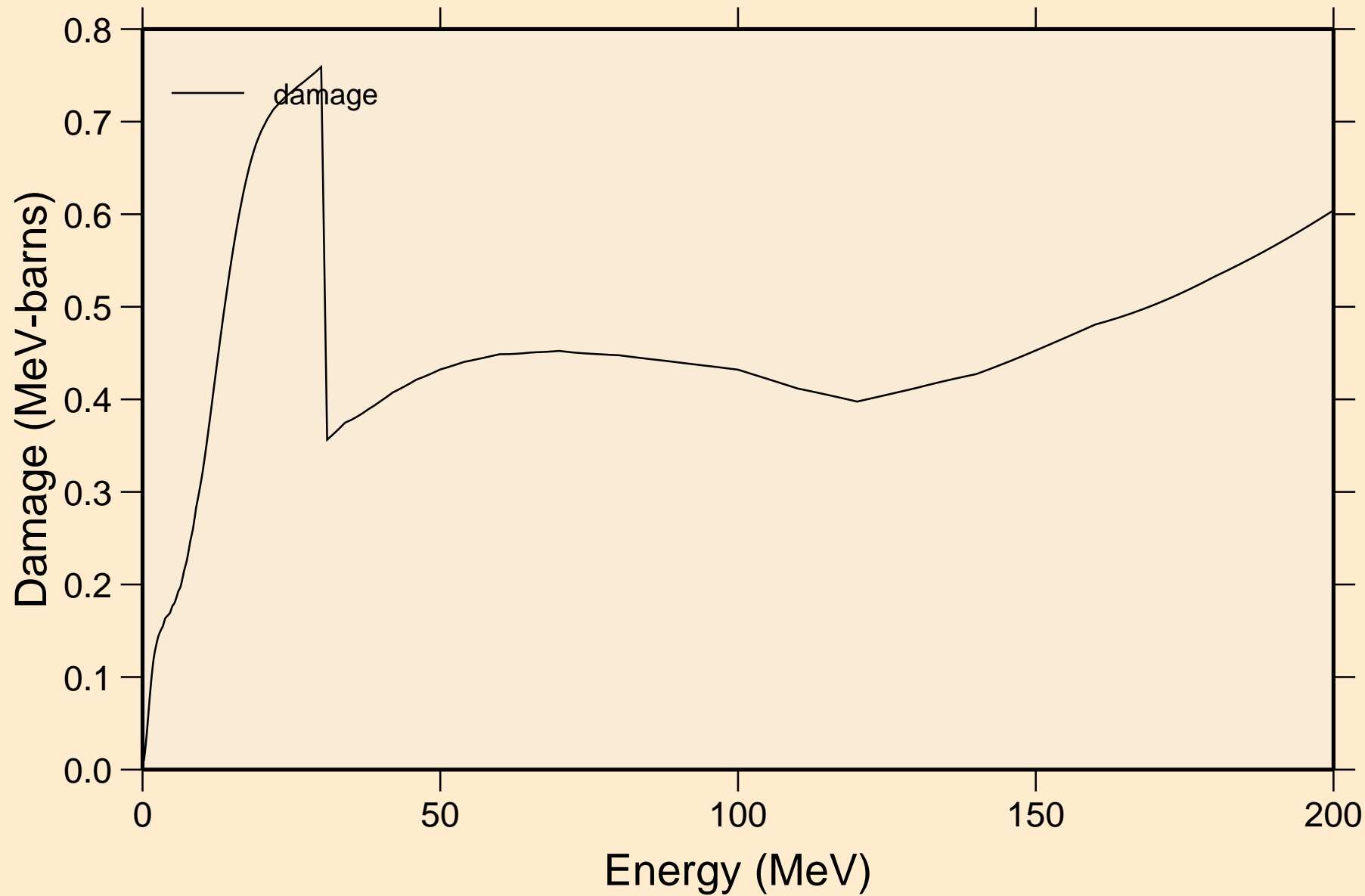
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Principal cross sections



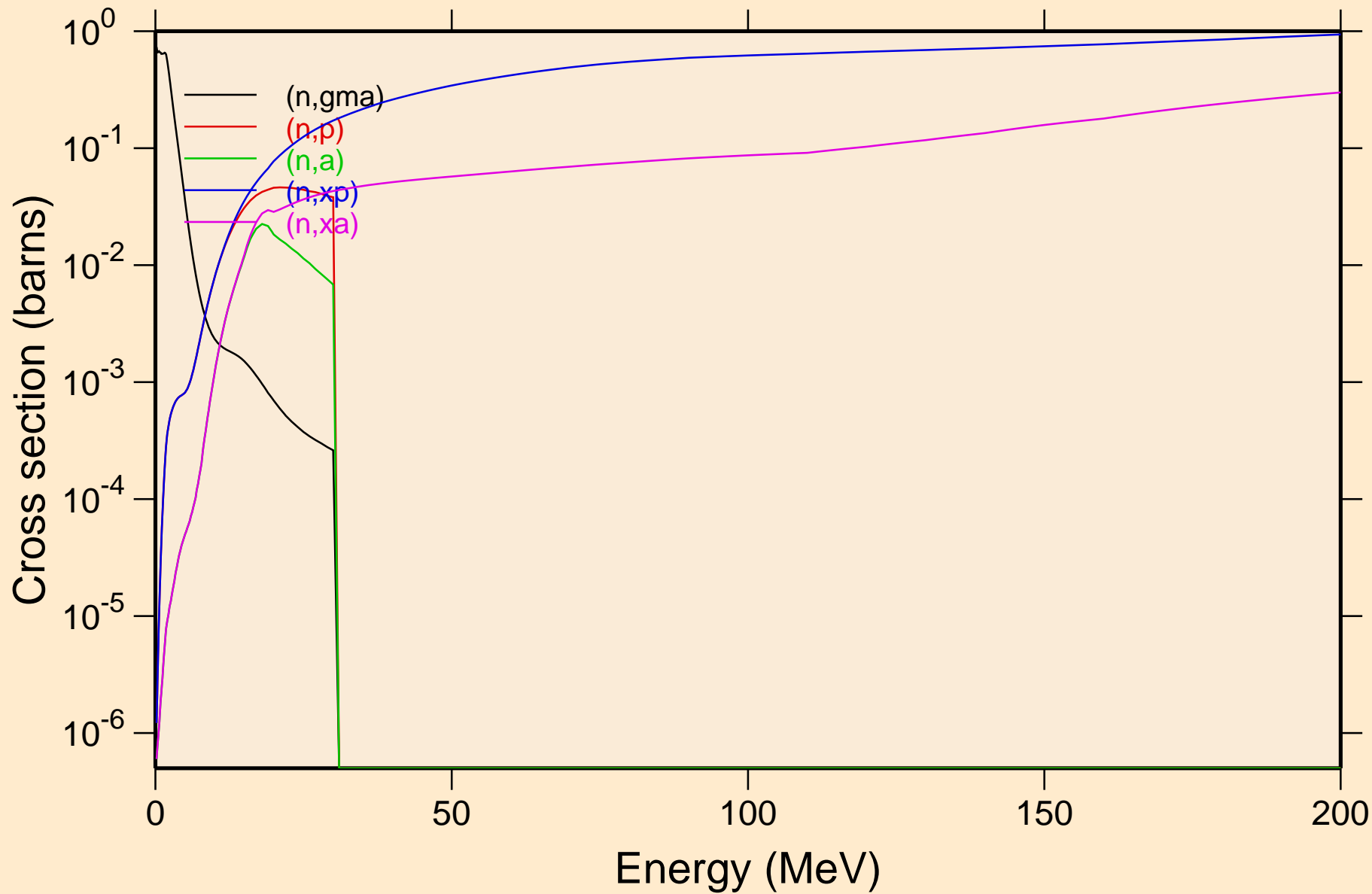
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

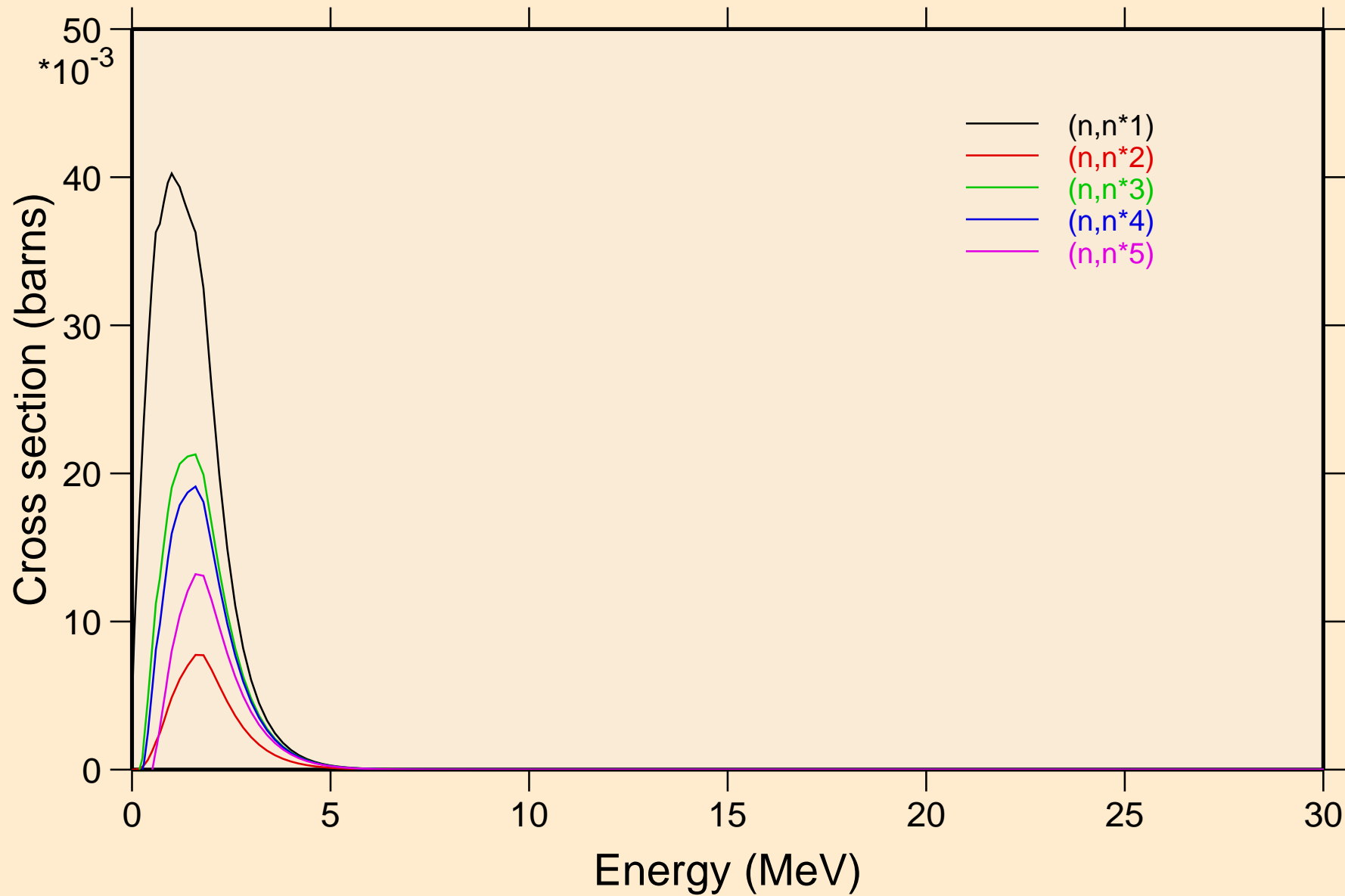


CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

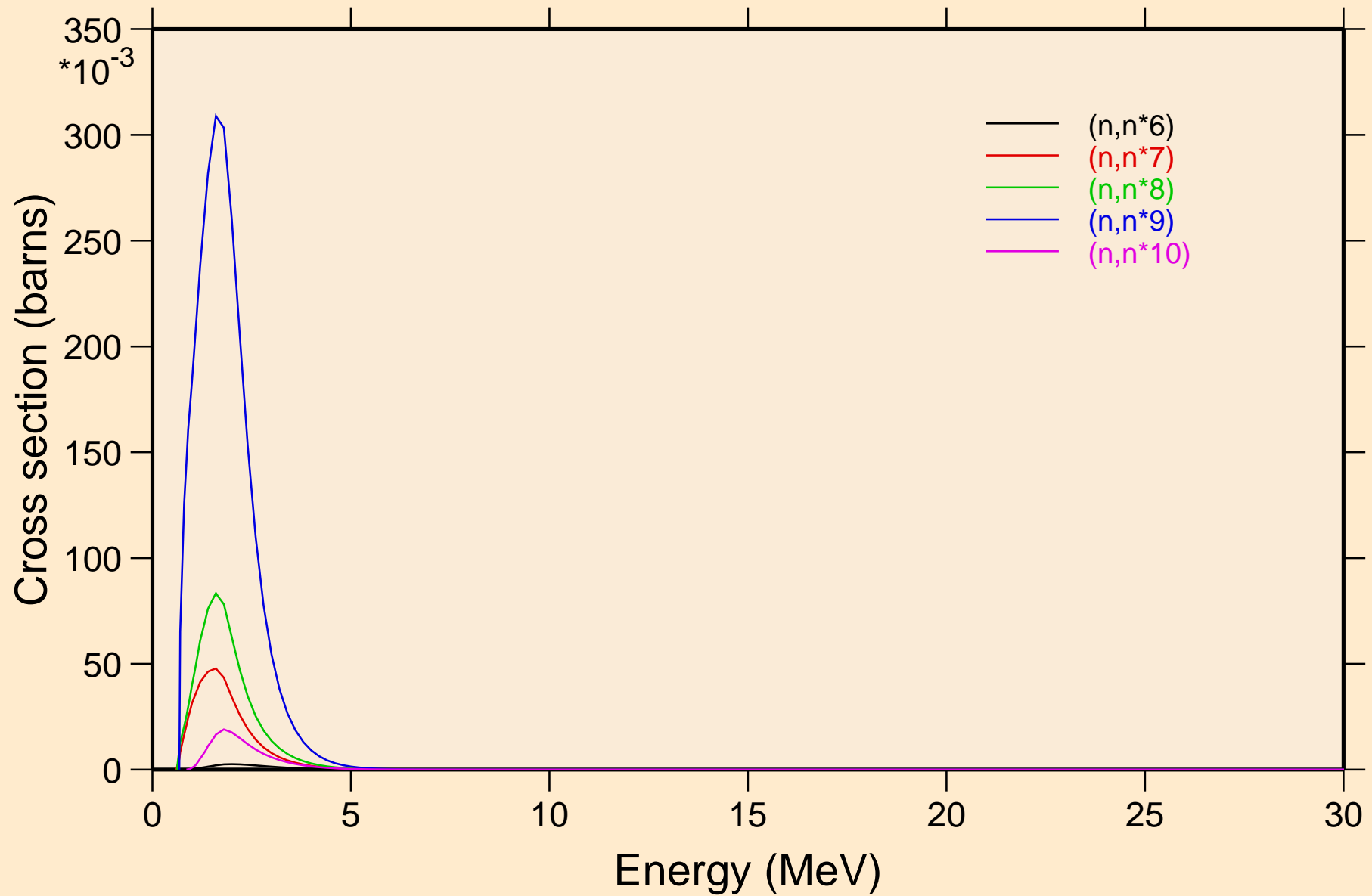




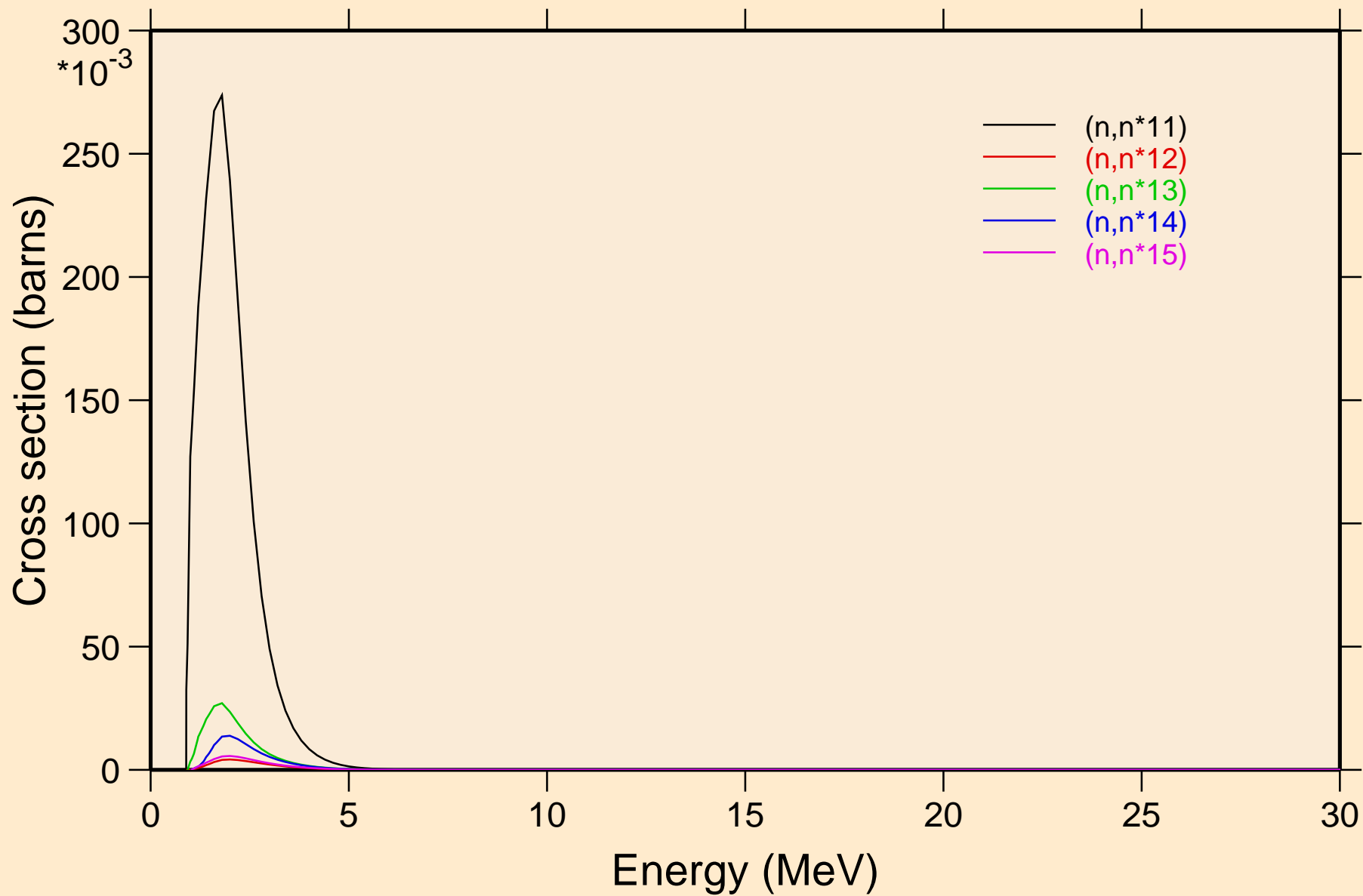
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



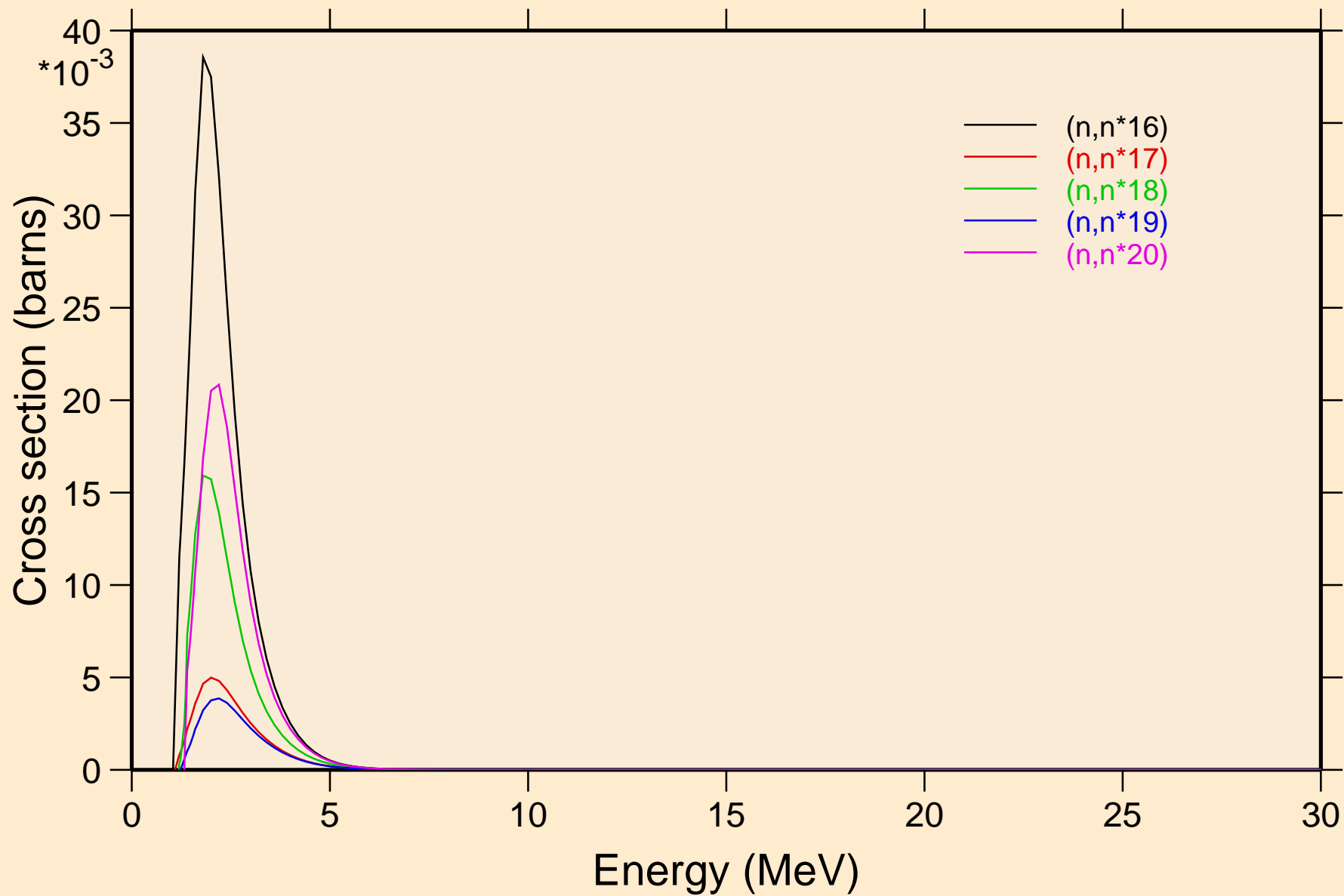
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



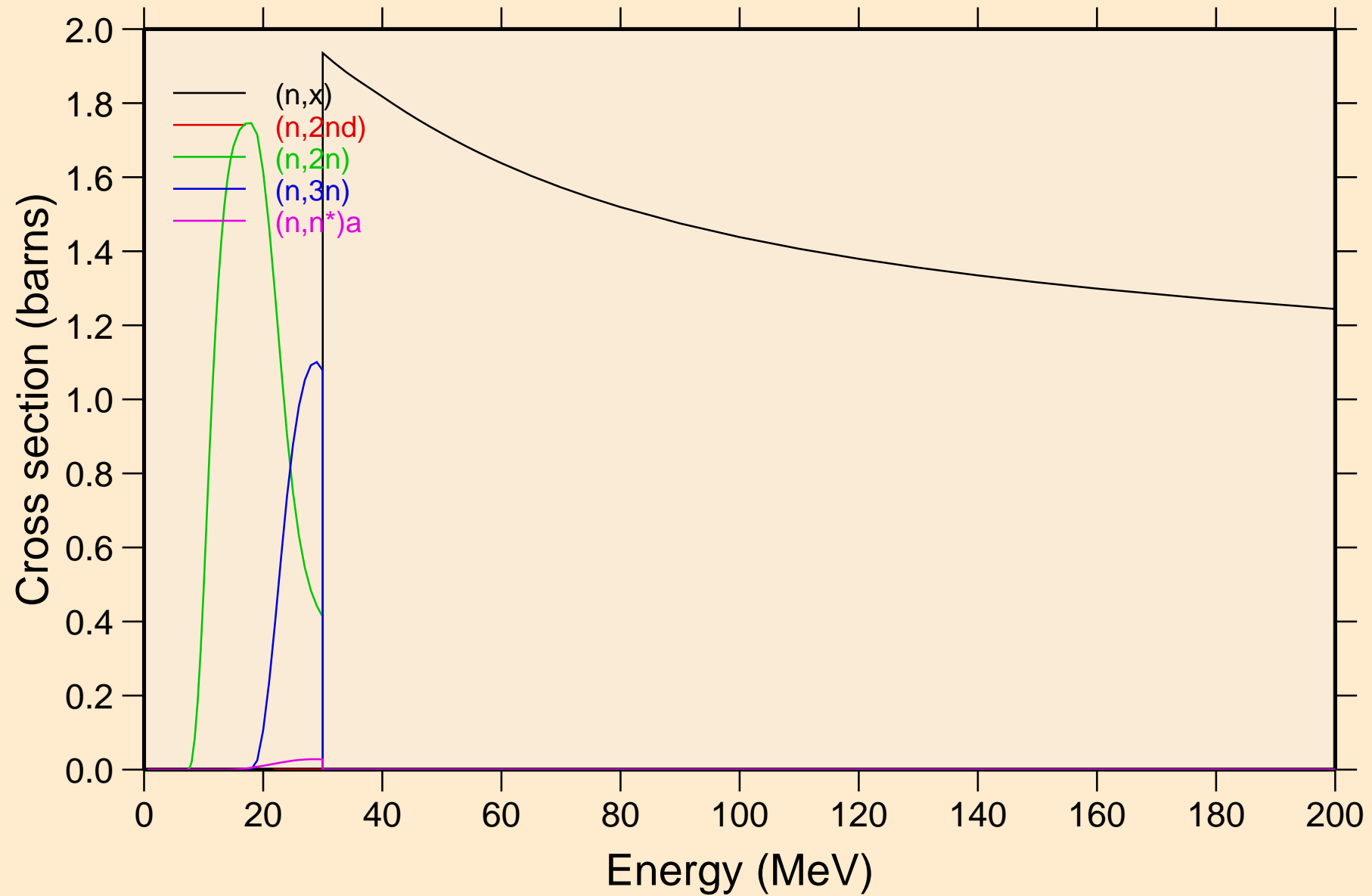
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



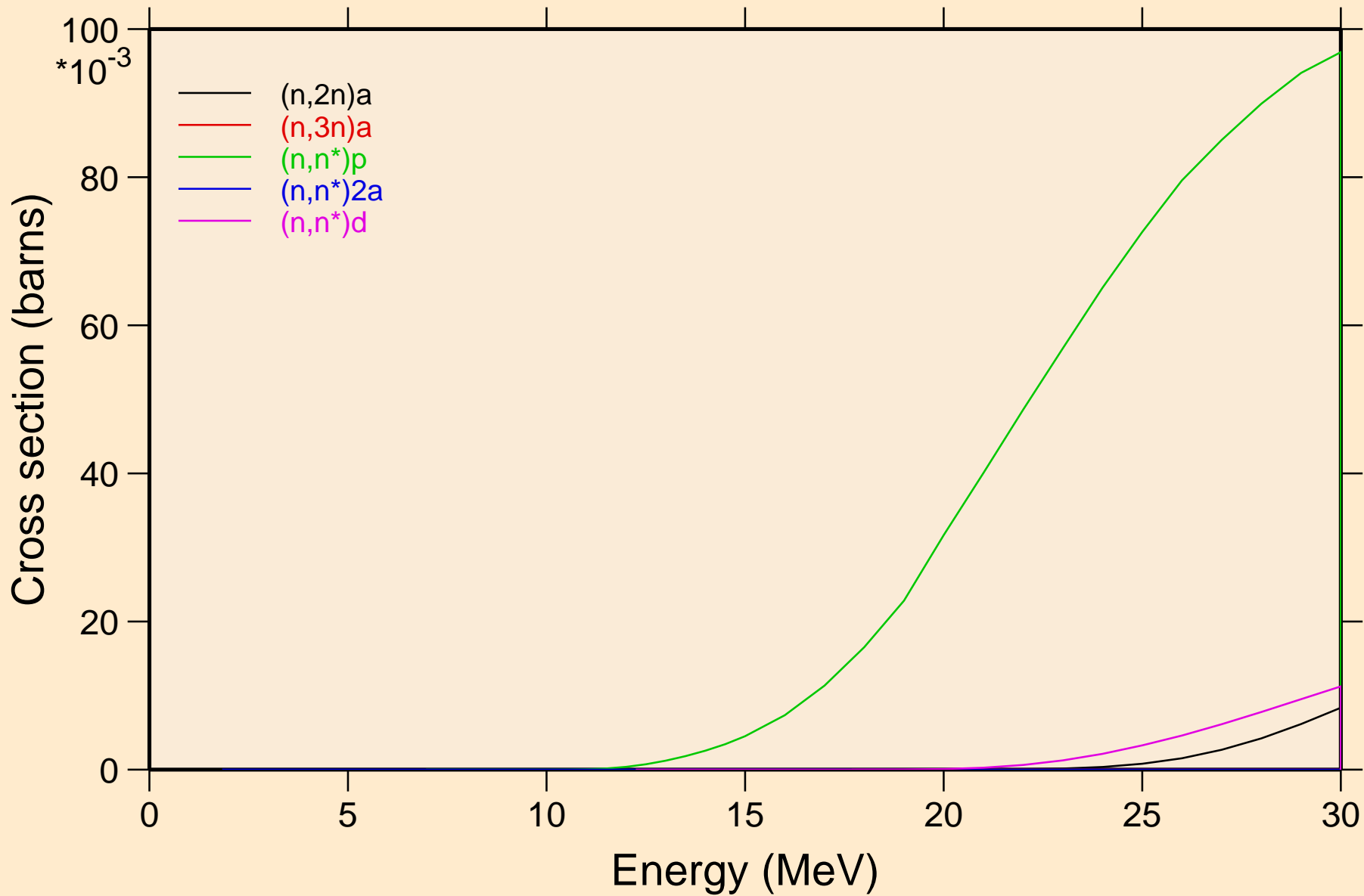
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

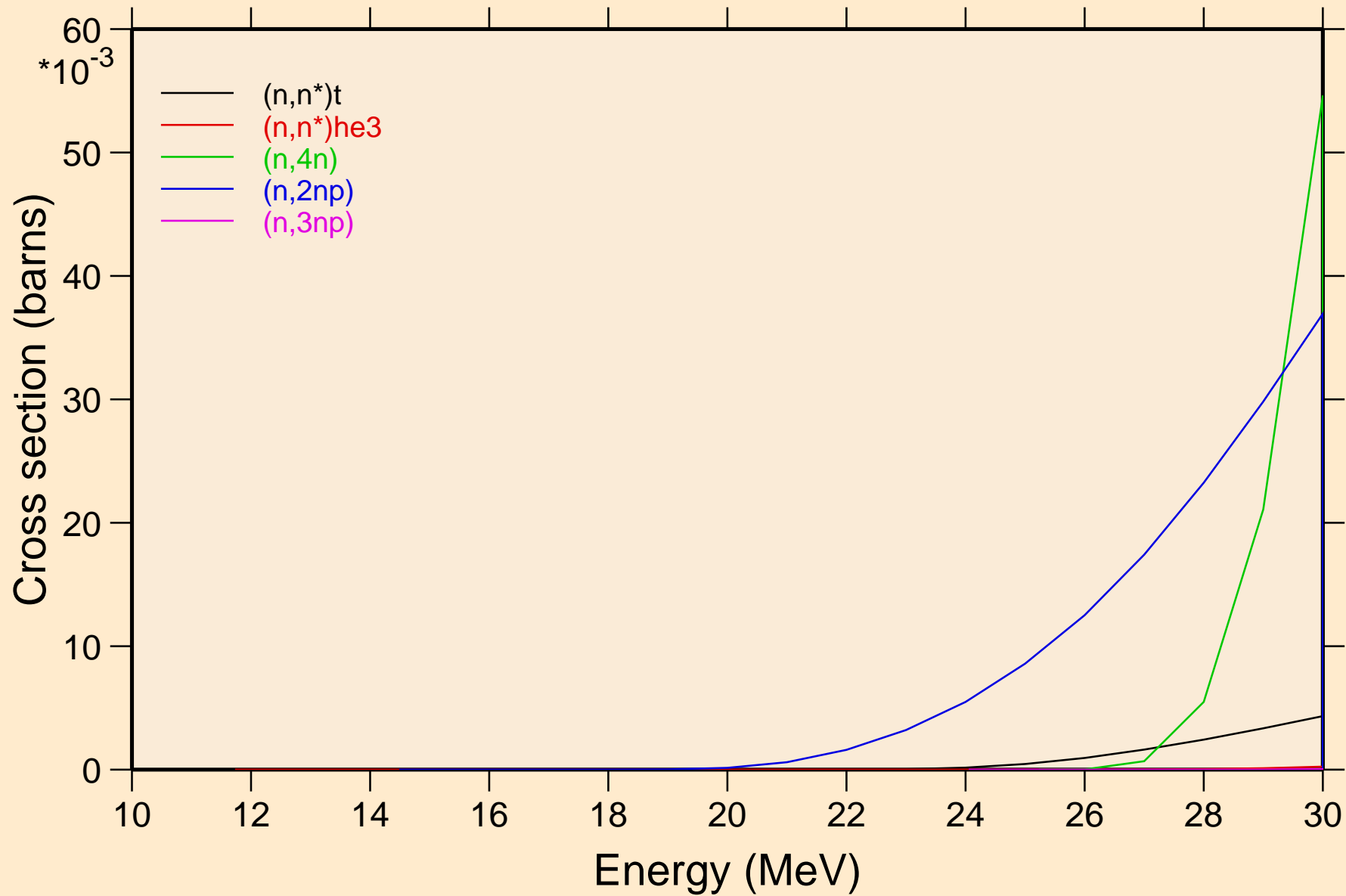


CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

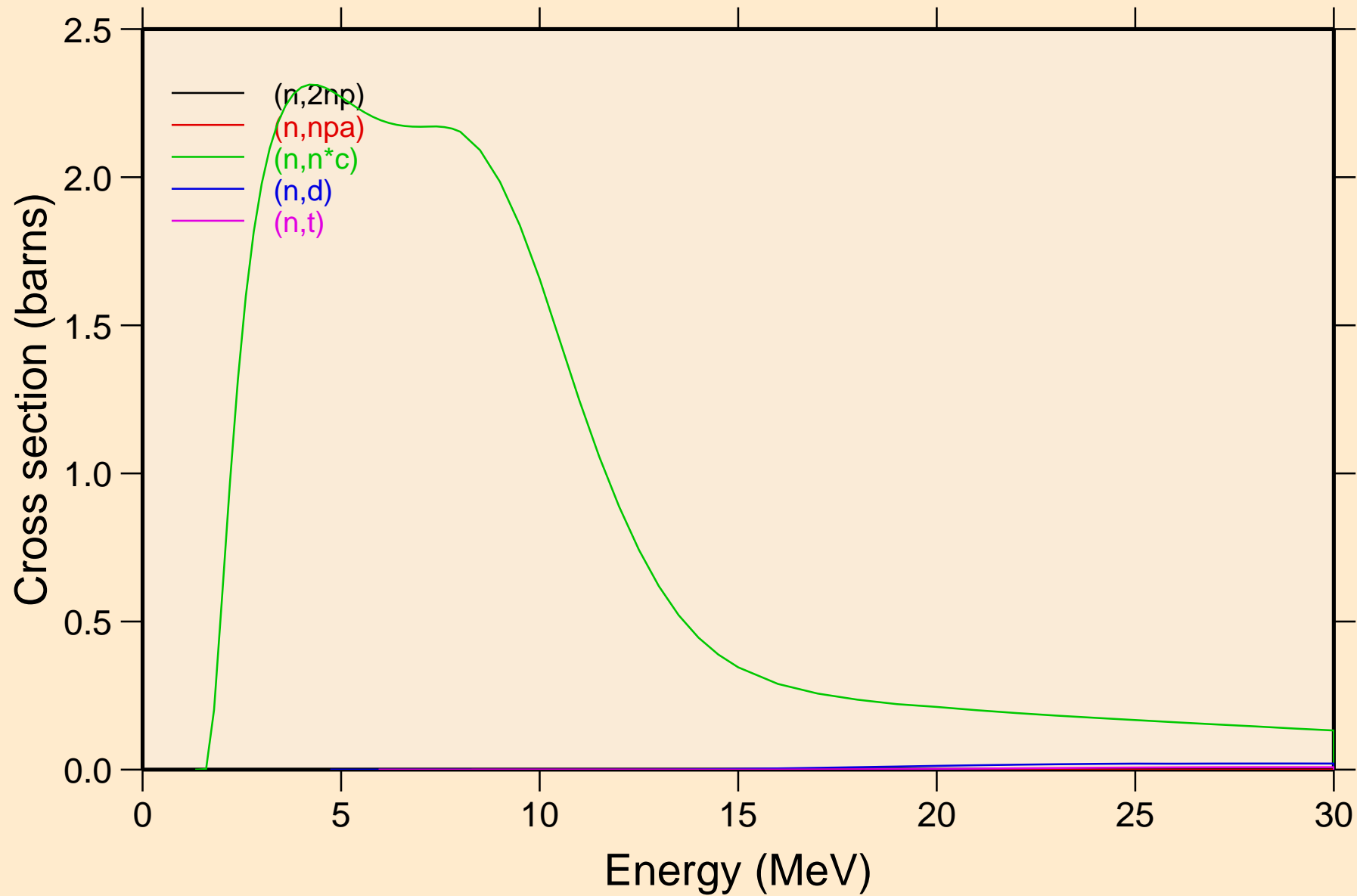


# CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions



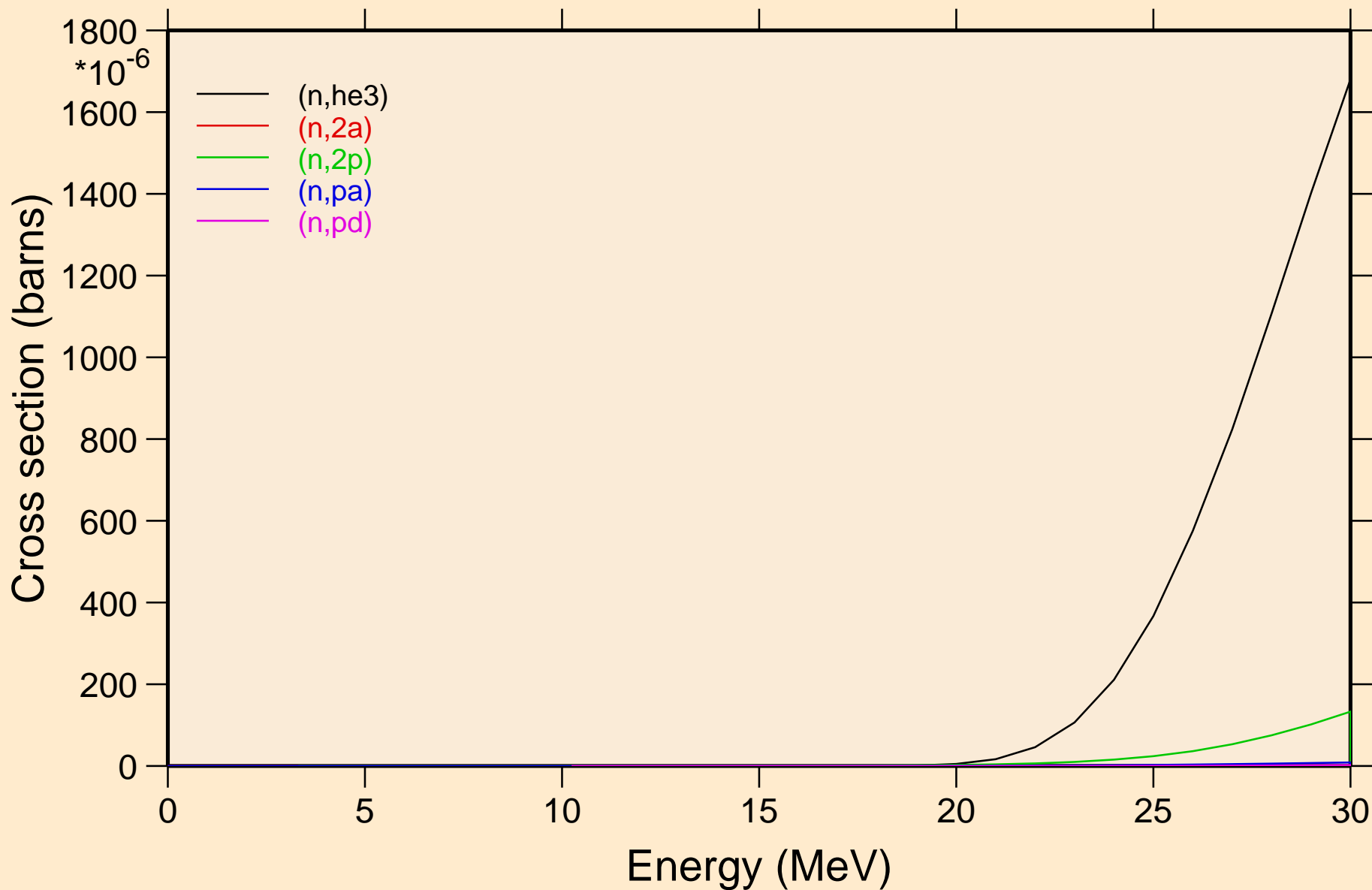
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



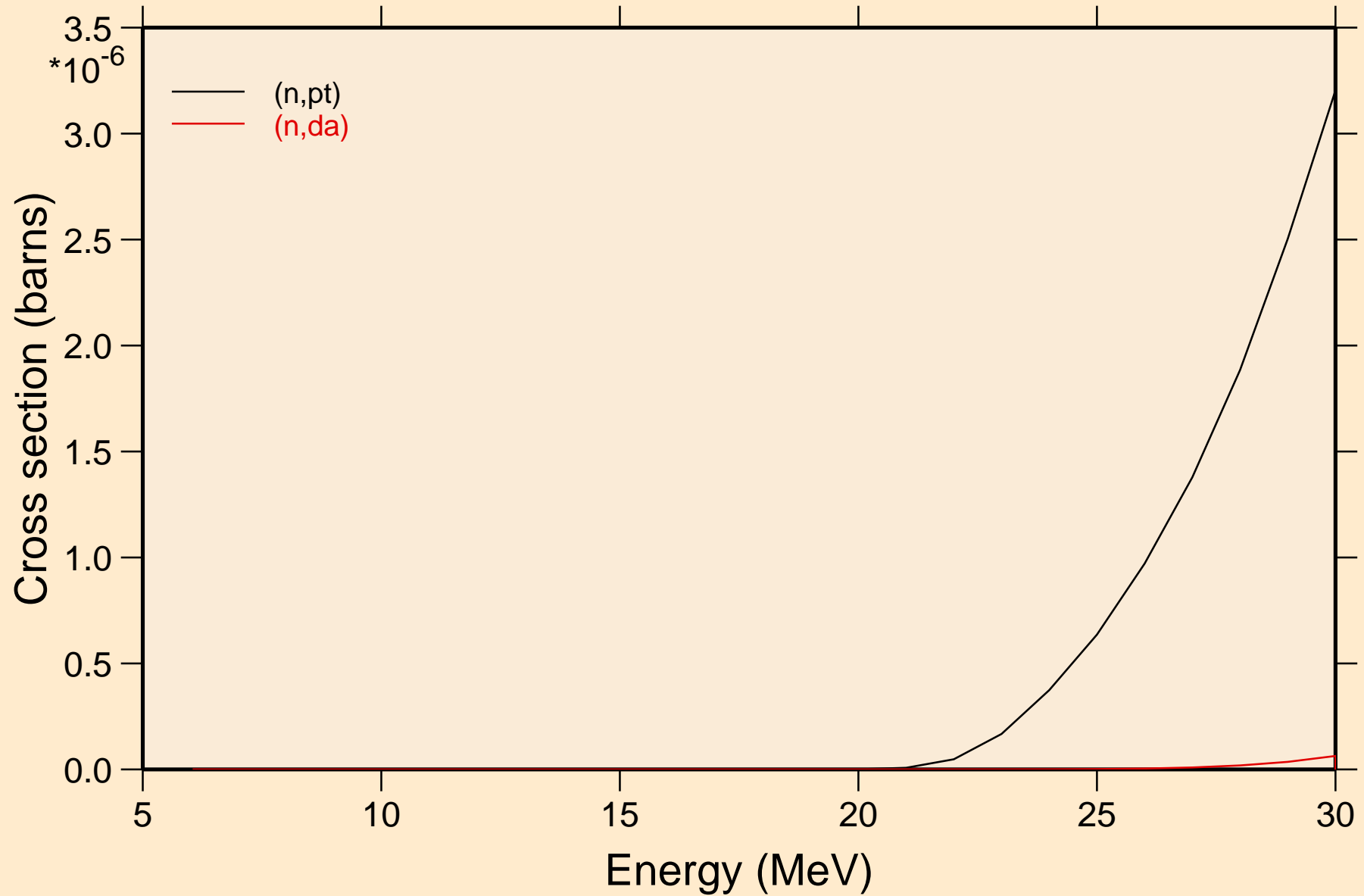


# CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions

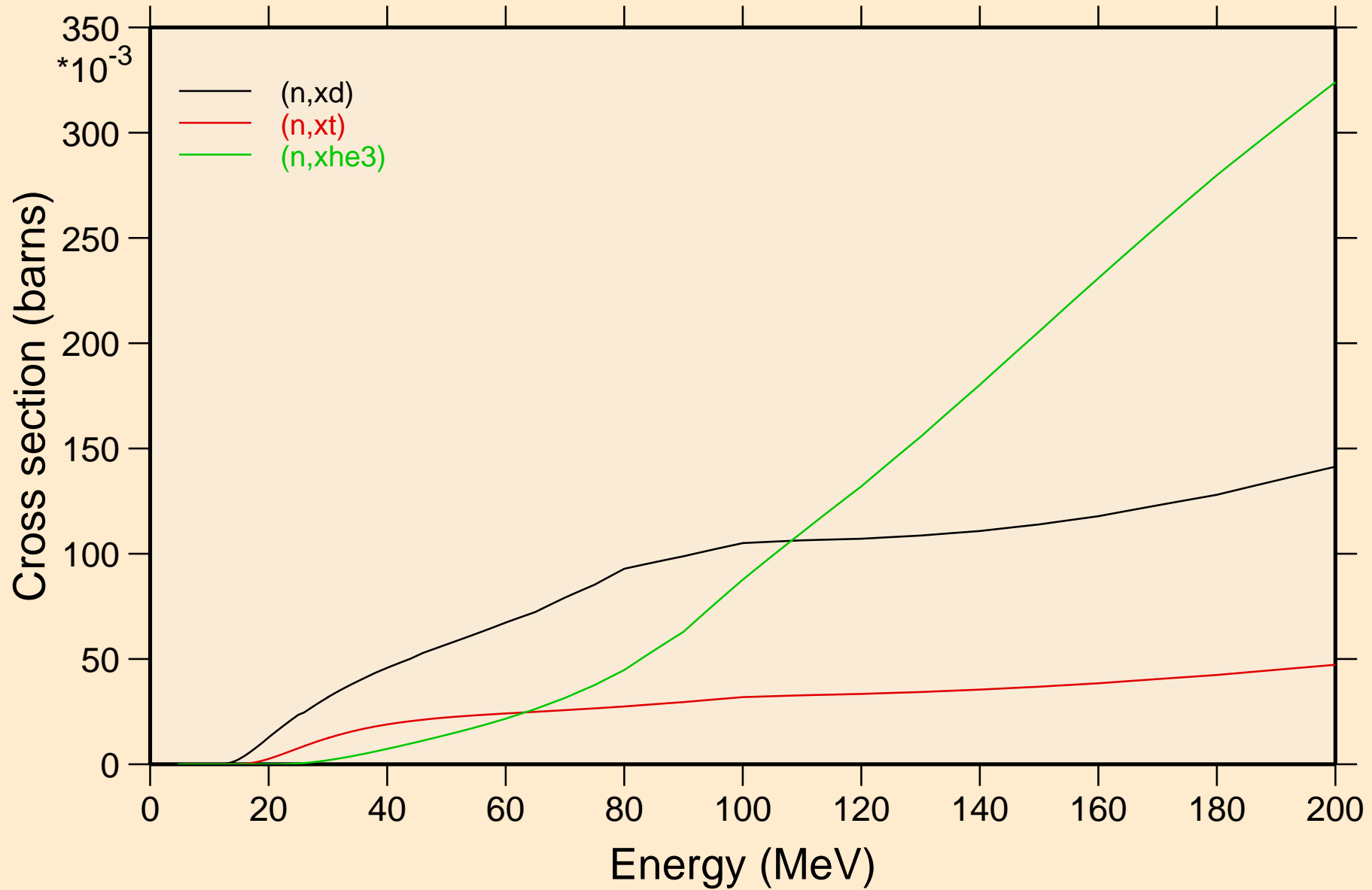


CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

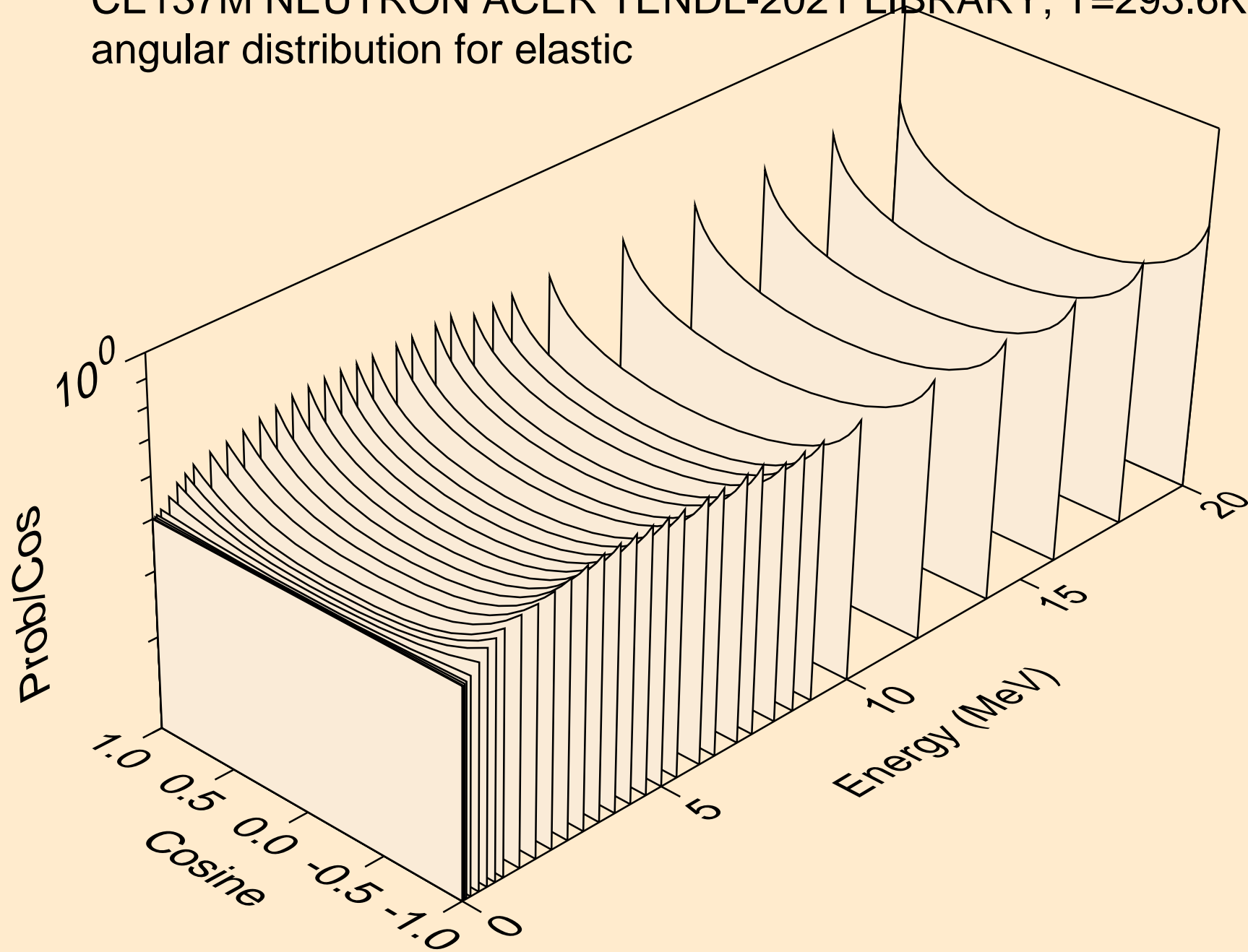


# CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

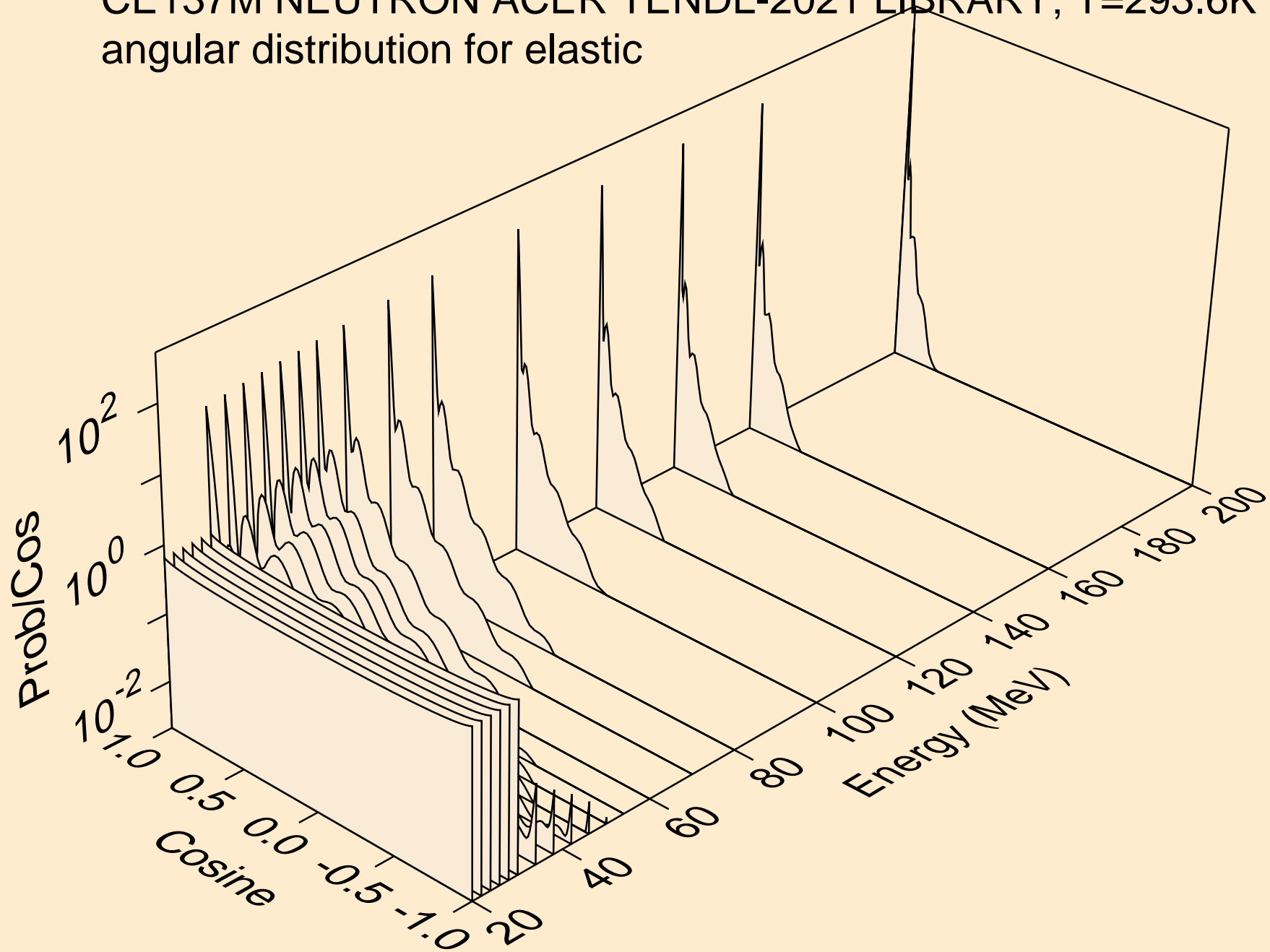
## Threshold reactions



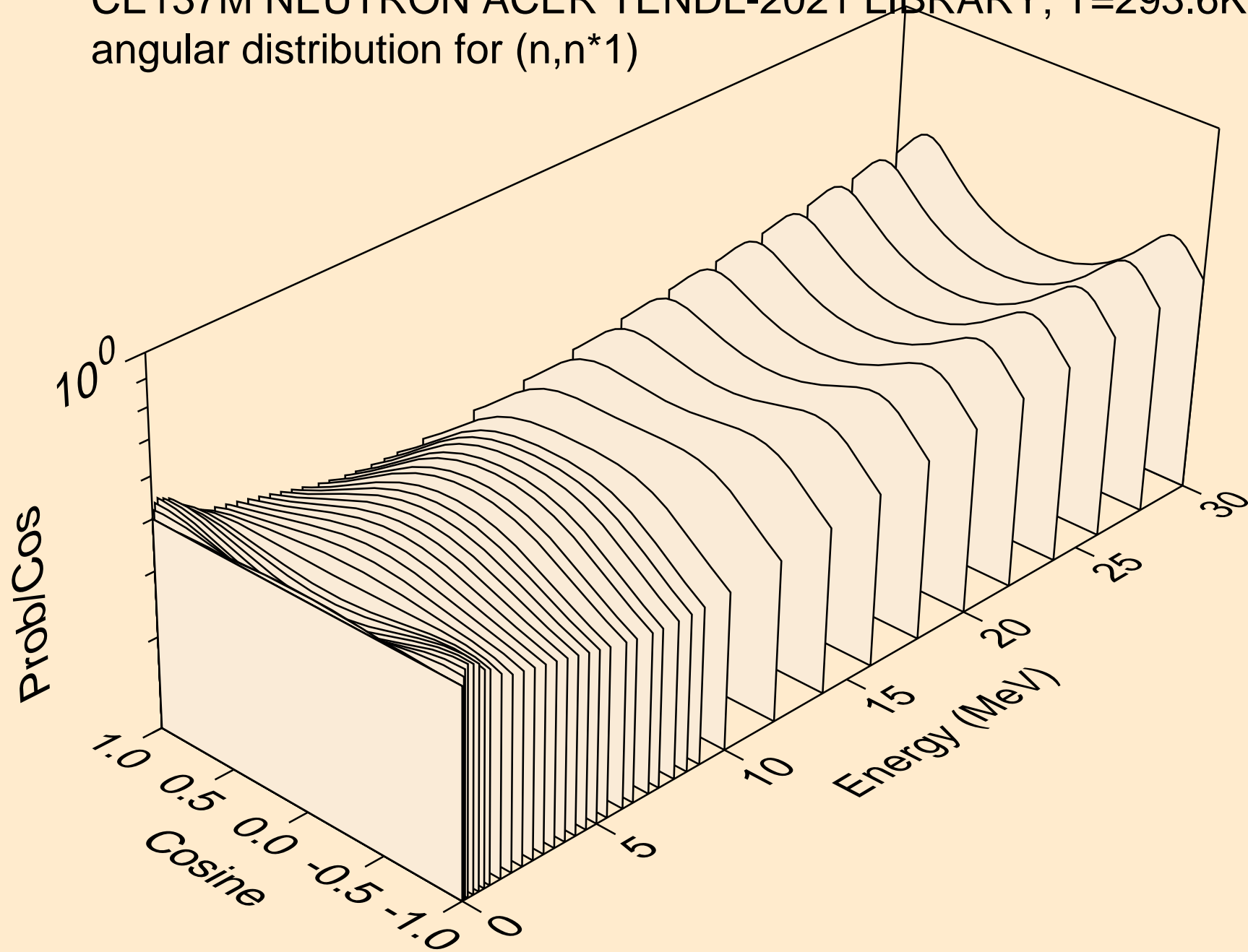
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



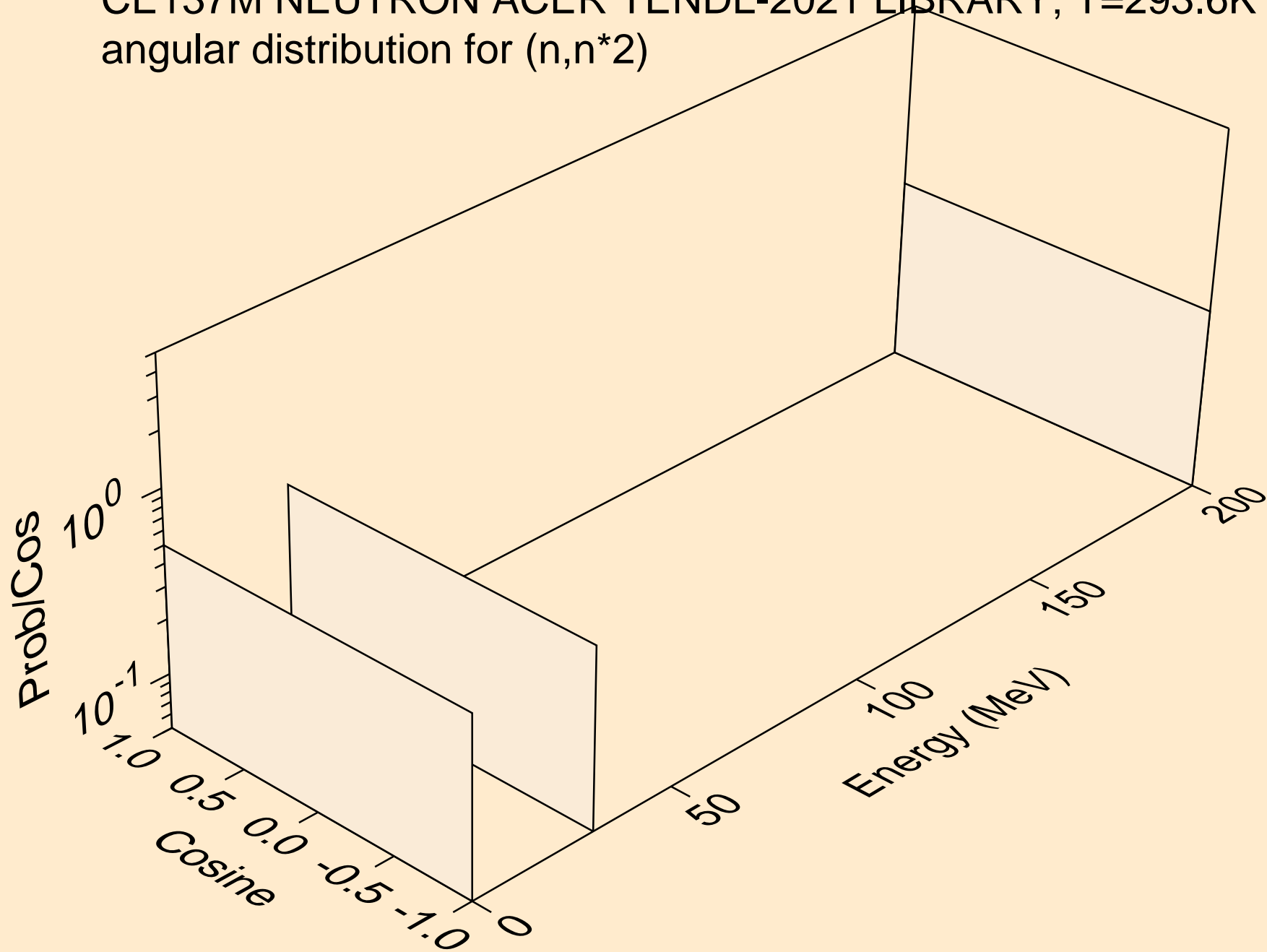
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angular distribution for elastic



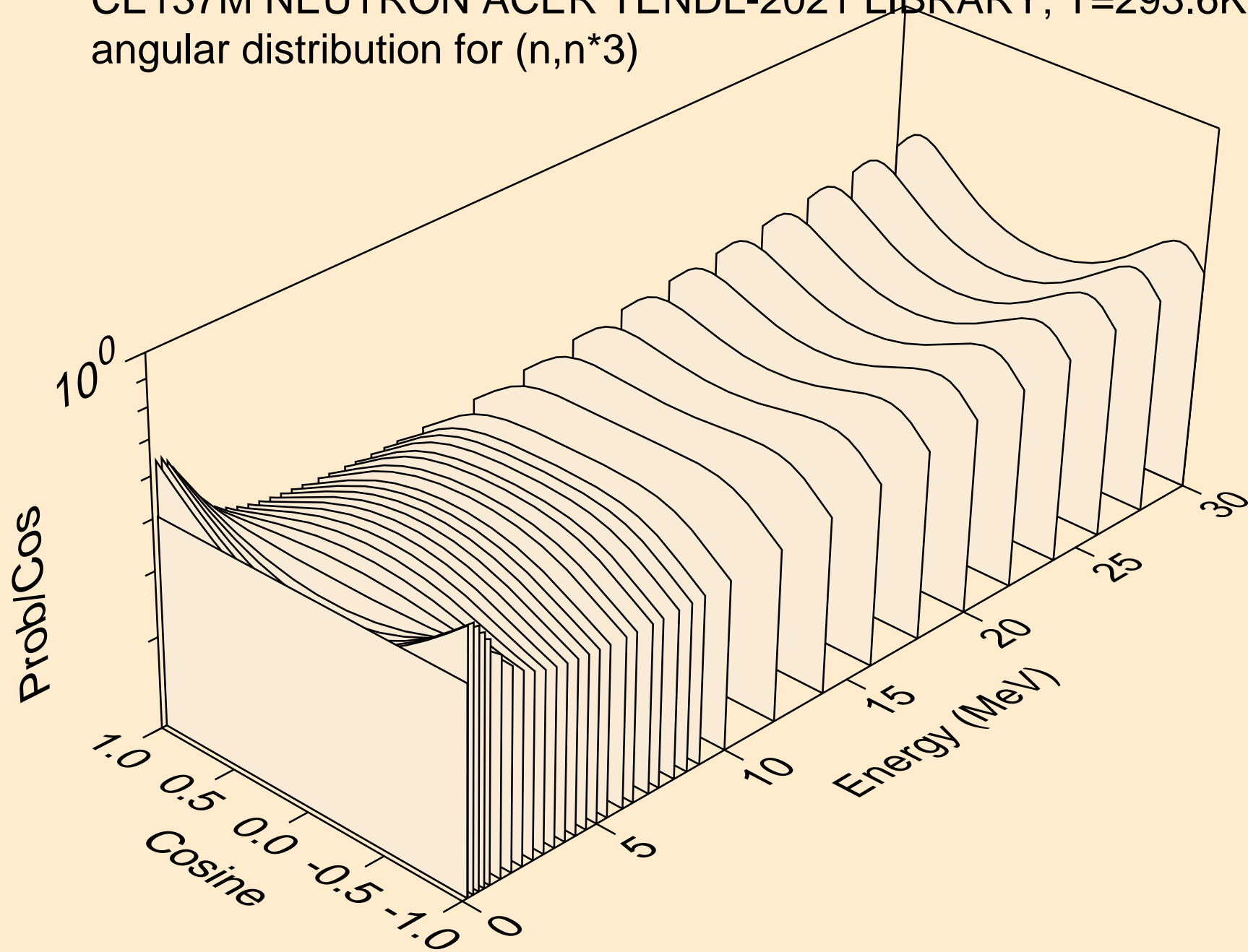
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)

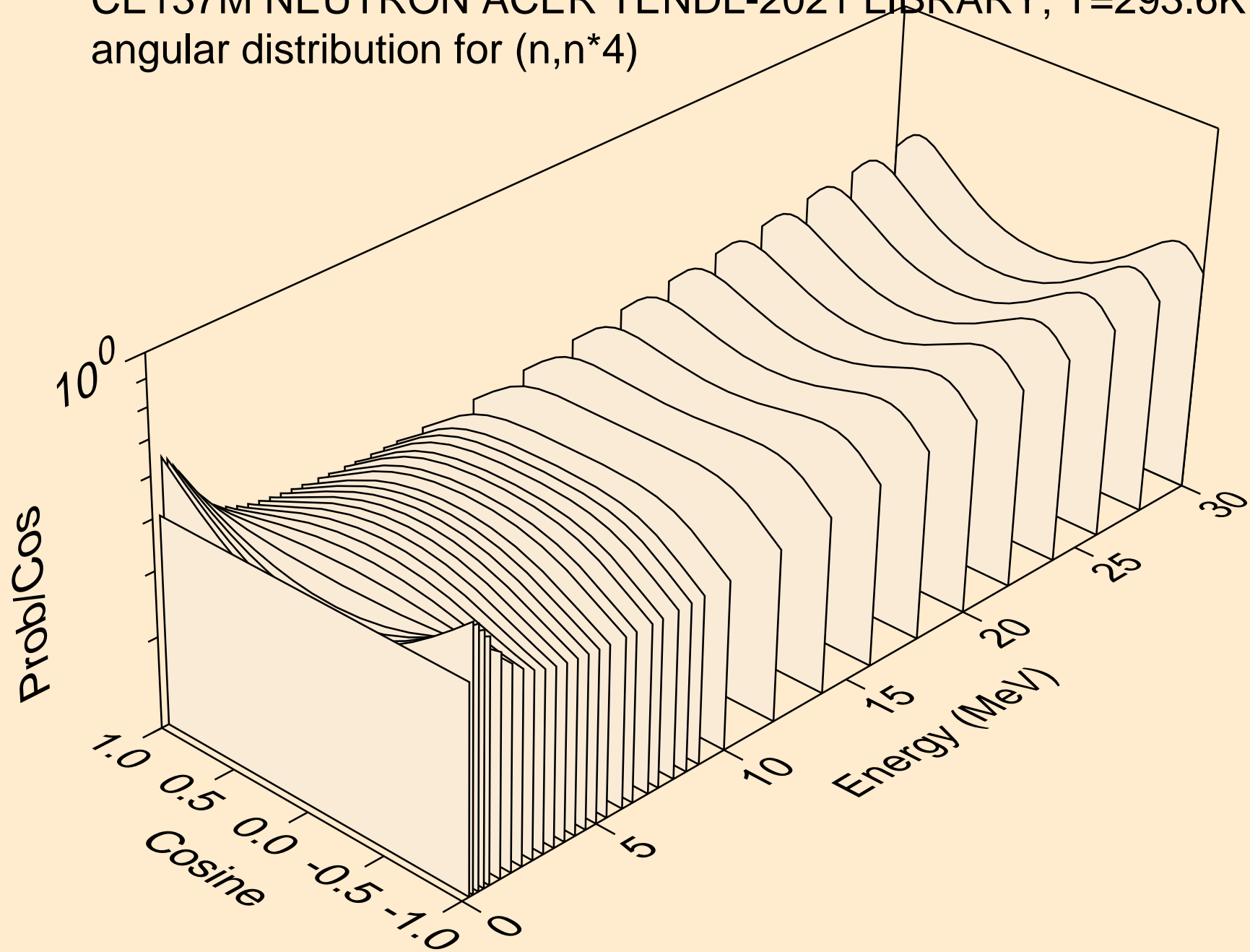


CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)

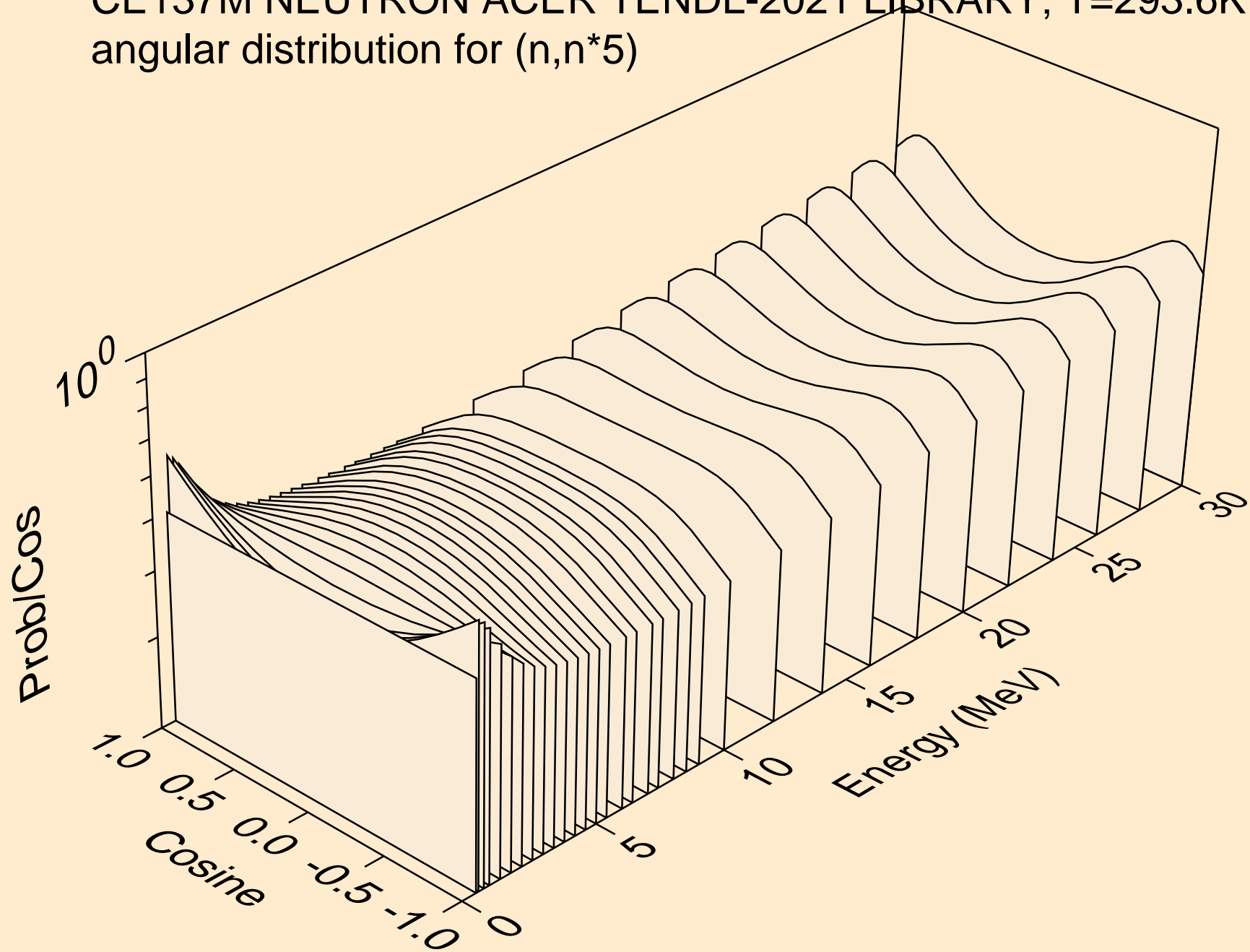




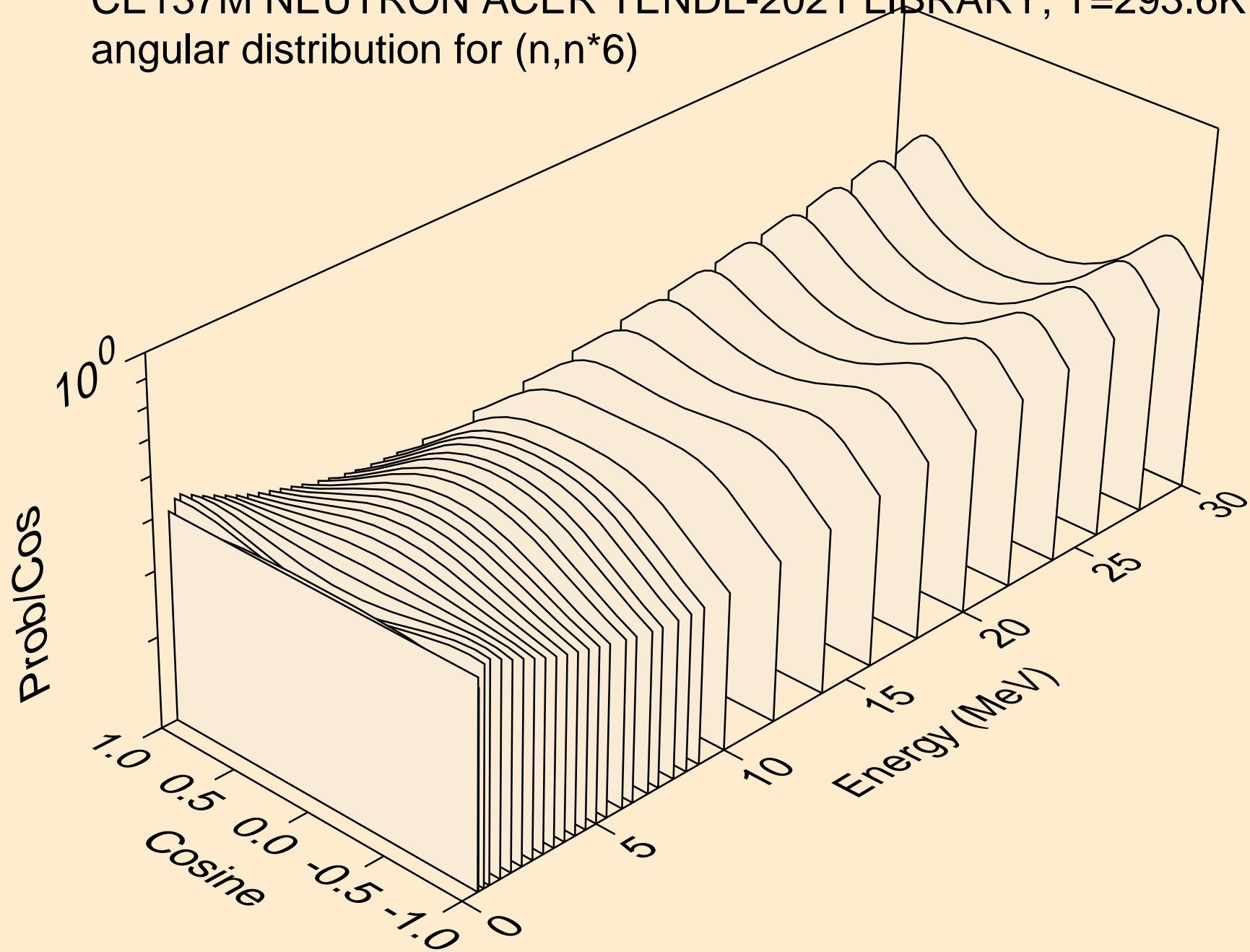
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angular distribution for (n,n\*4)



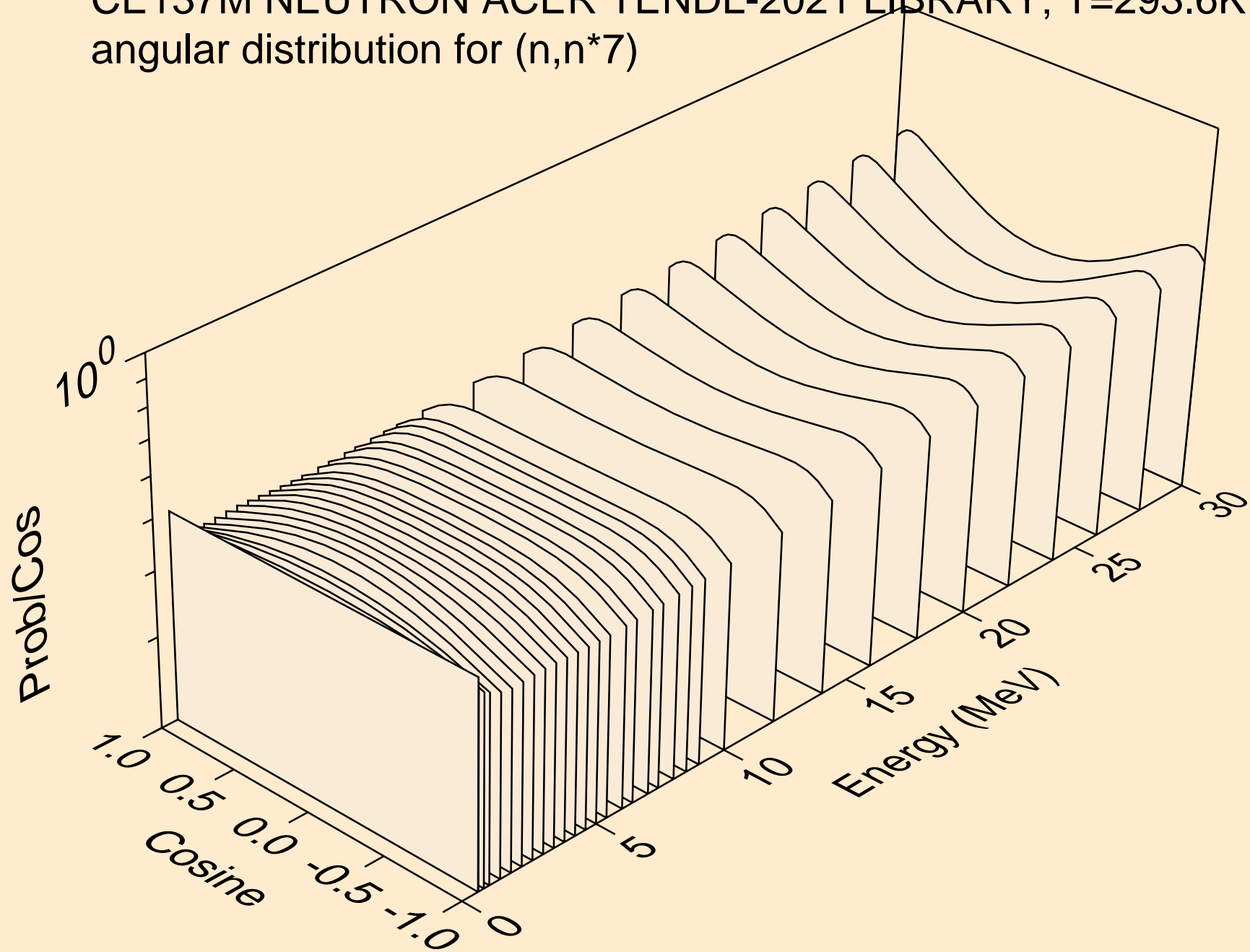
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angular distribution for (n,n\*5)



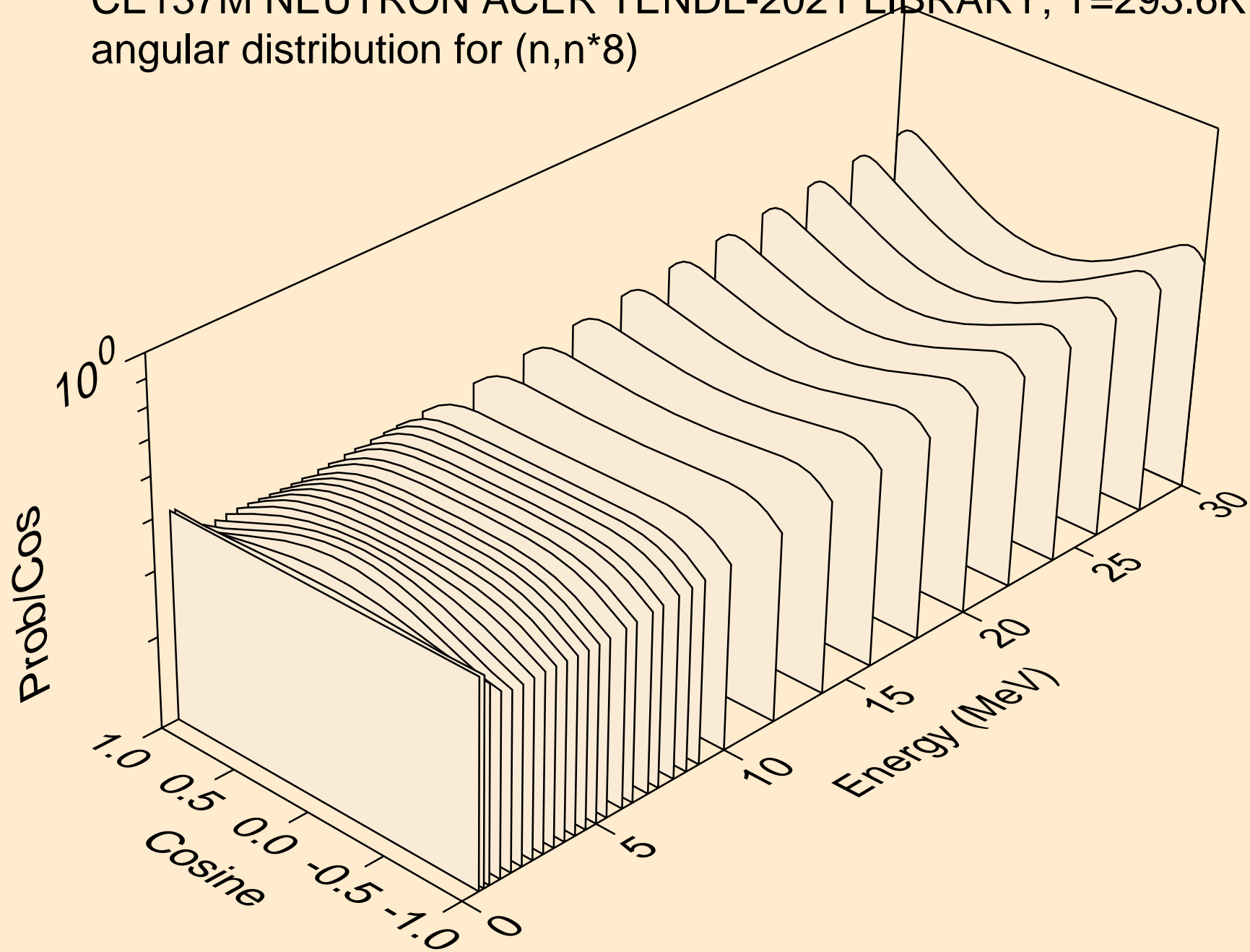
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angular distribution for (n,n\*6)



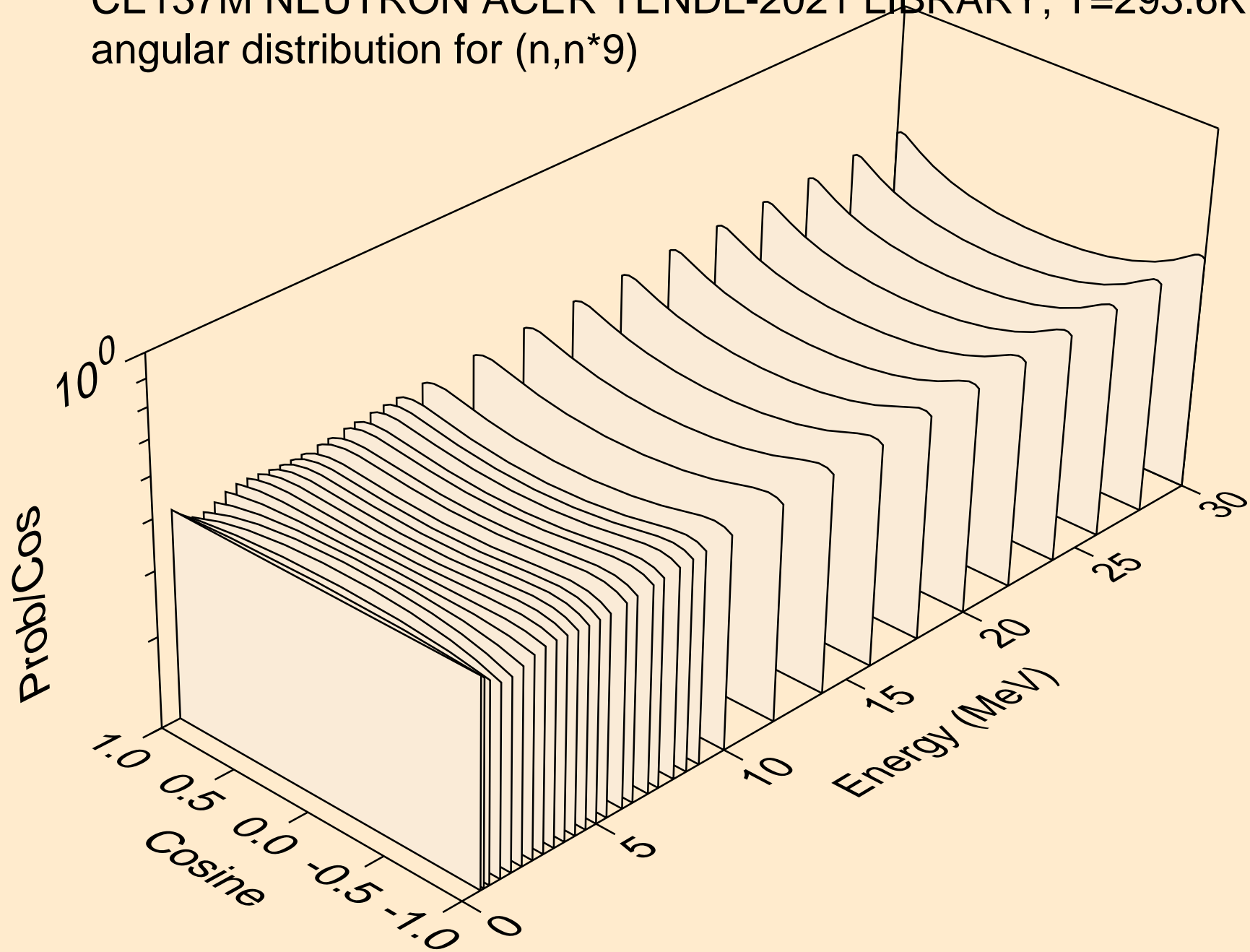
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angular distribution for (n,n\*7)



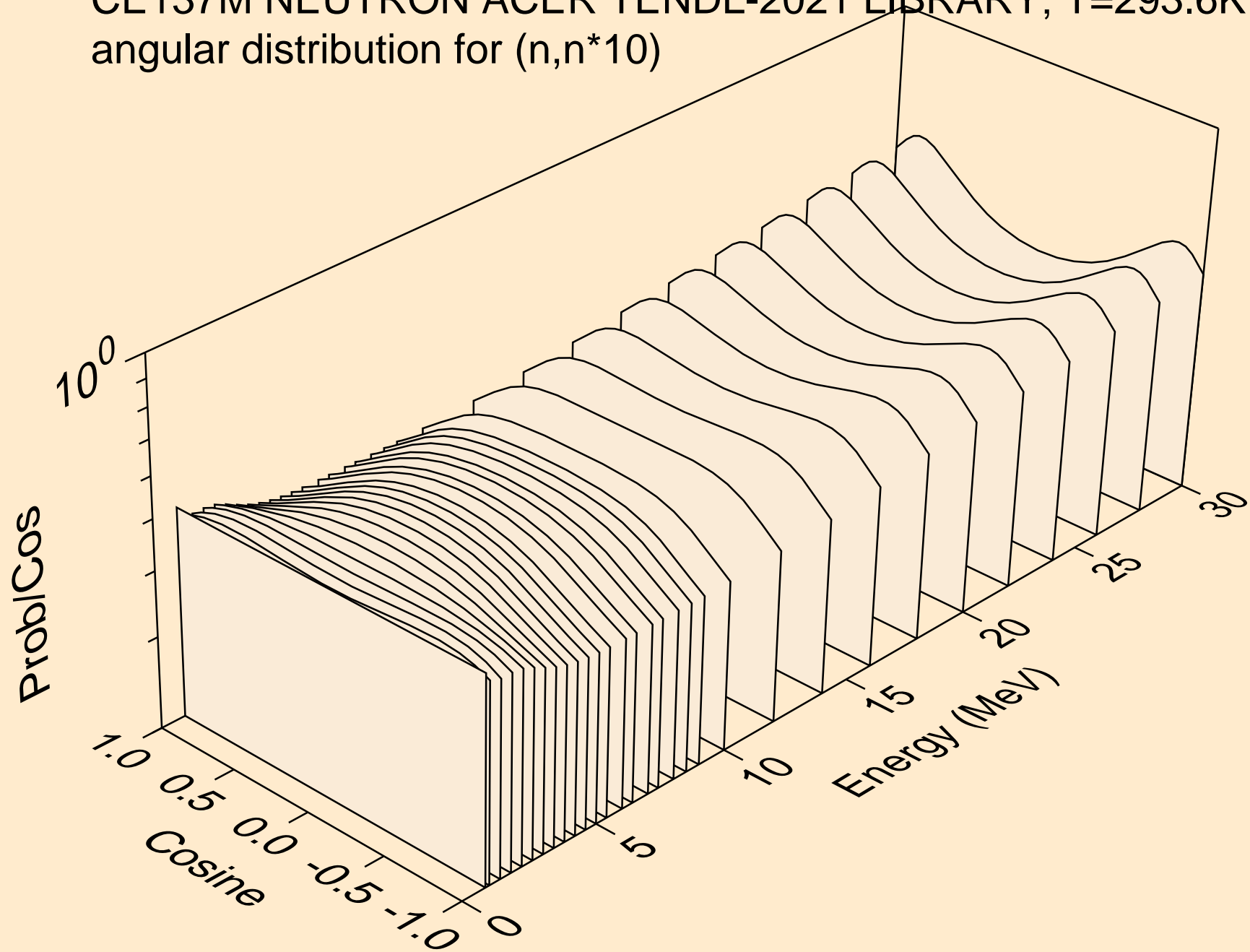
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angular distribution for (n,n\*8)



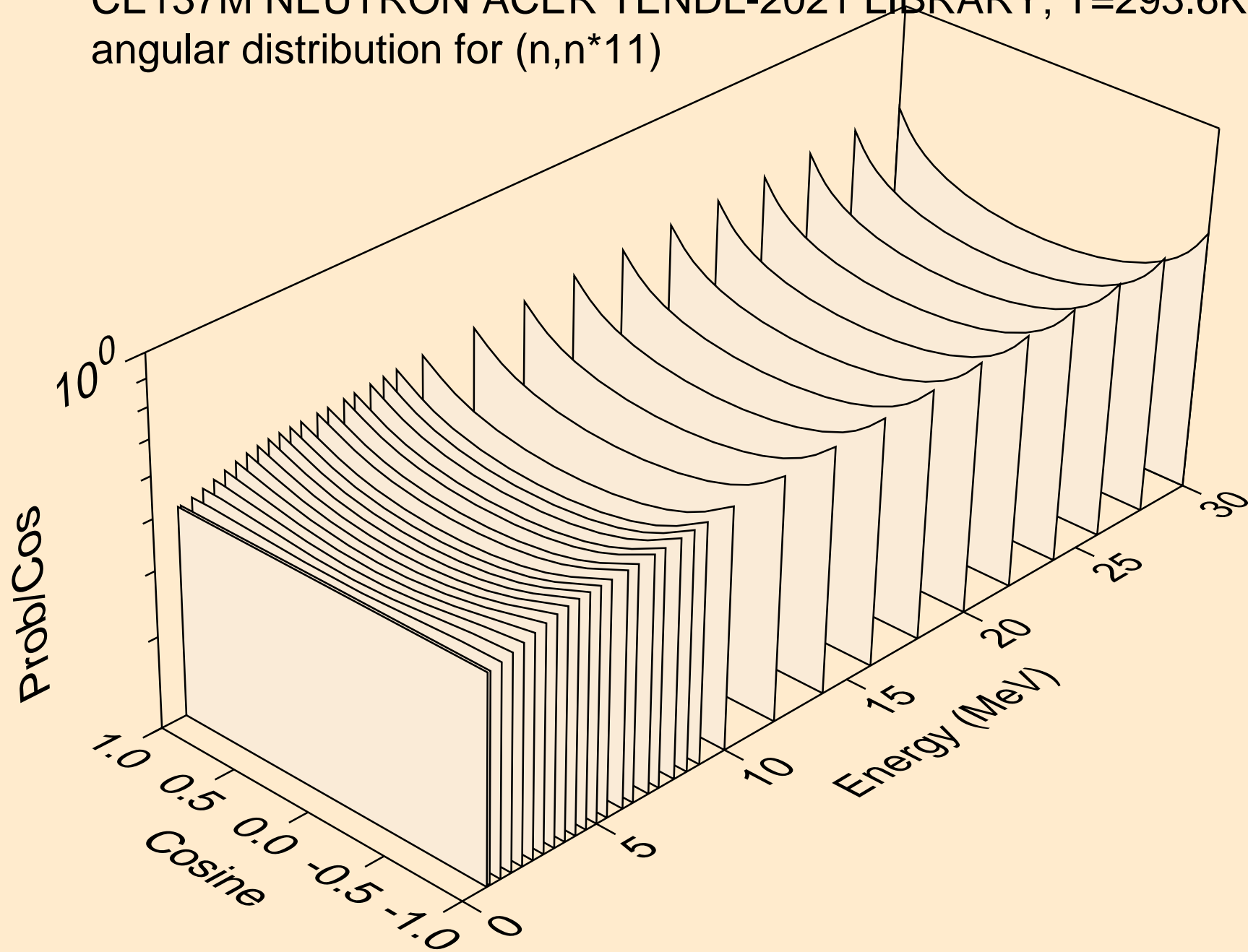
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*9)



CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*10)

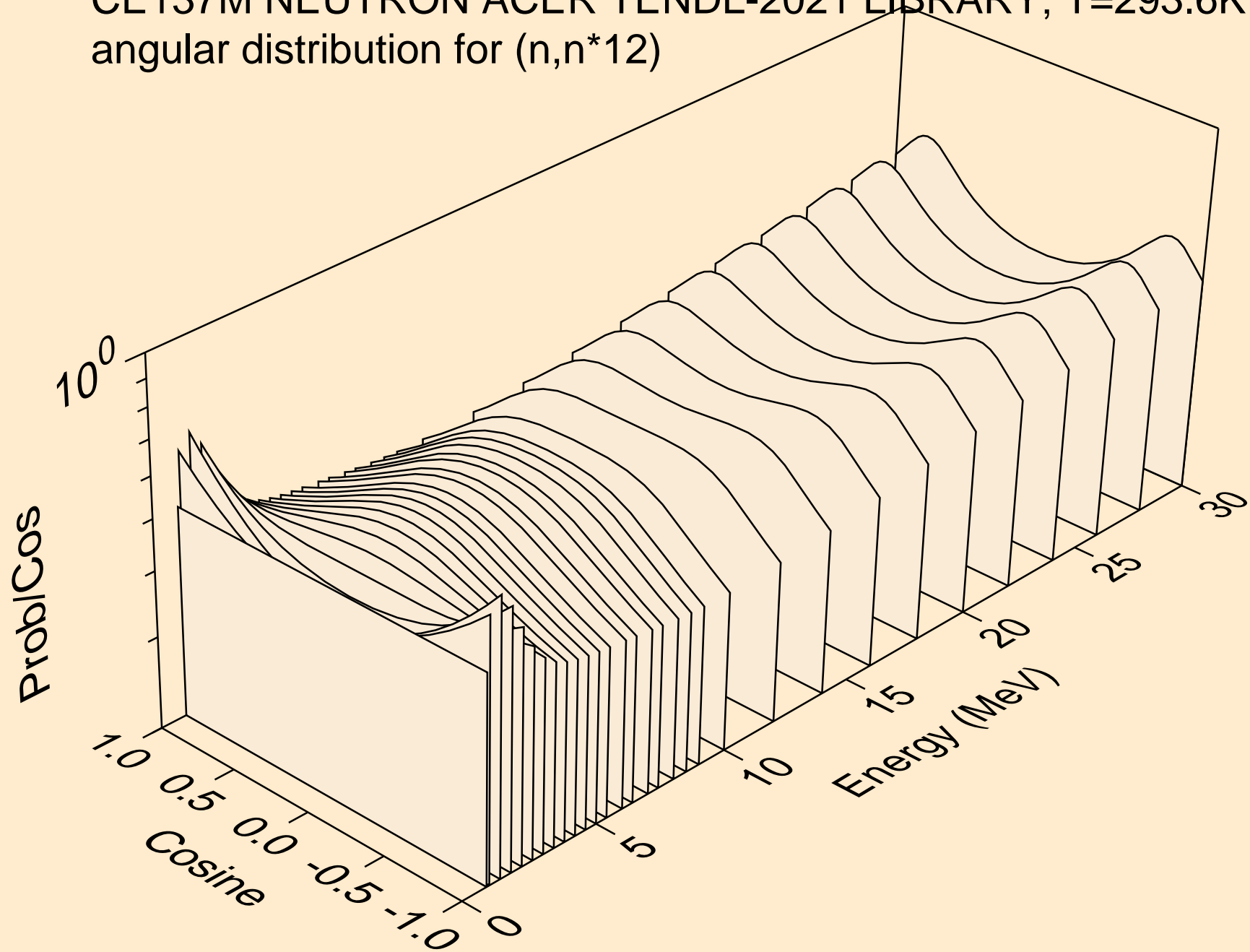


CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*11)

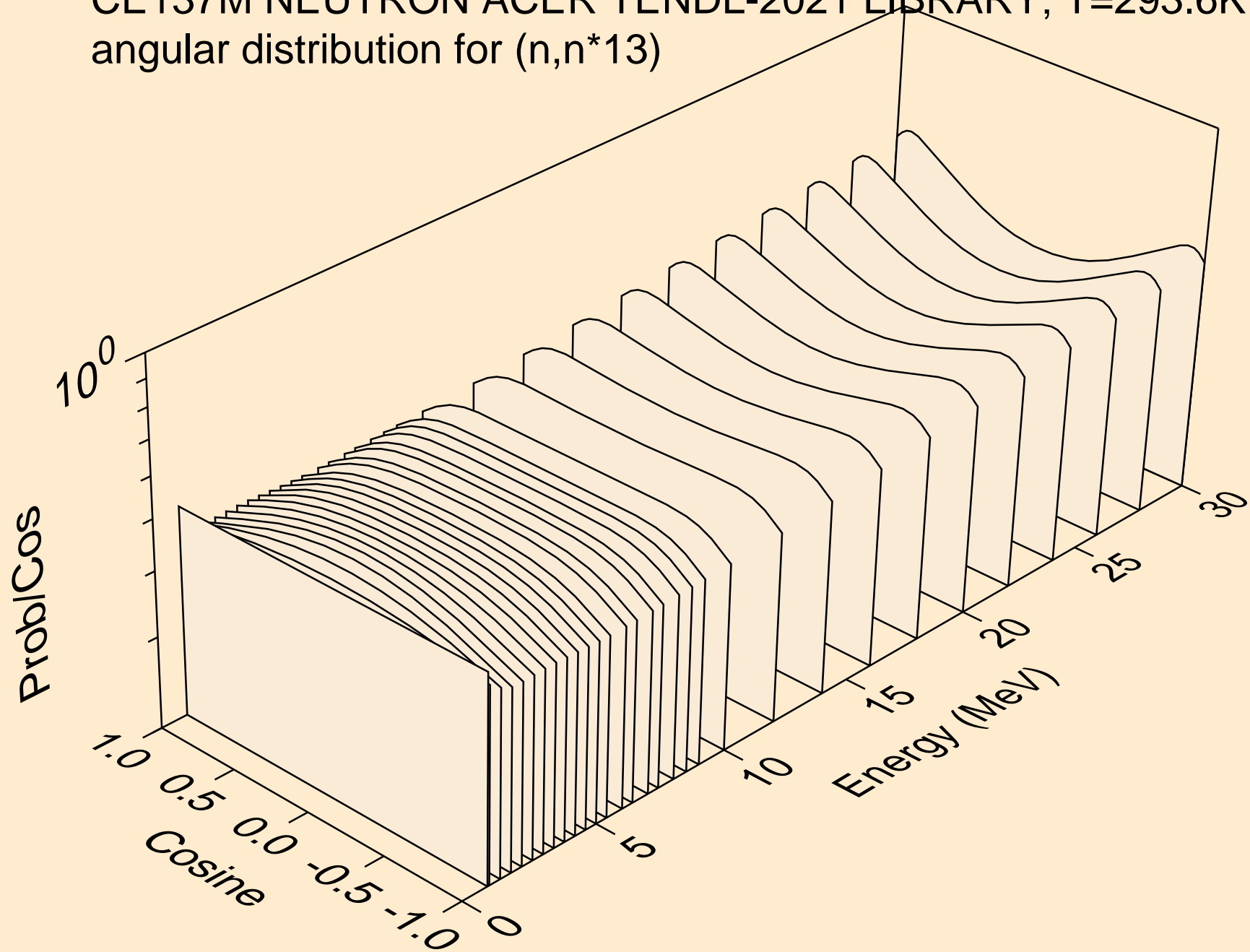




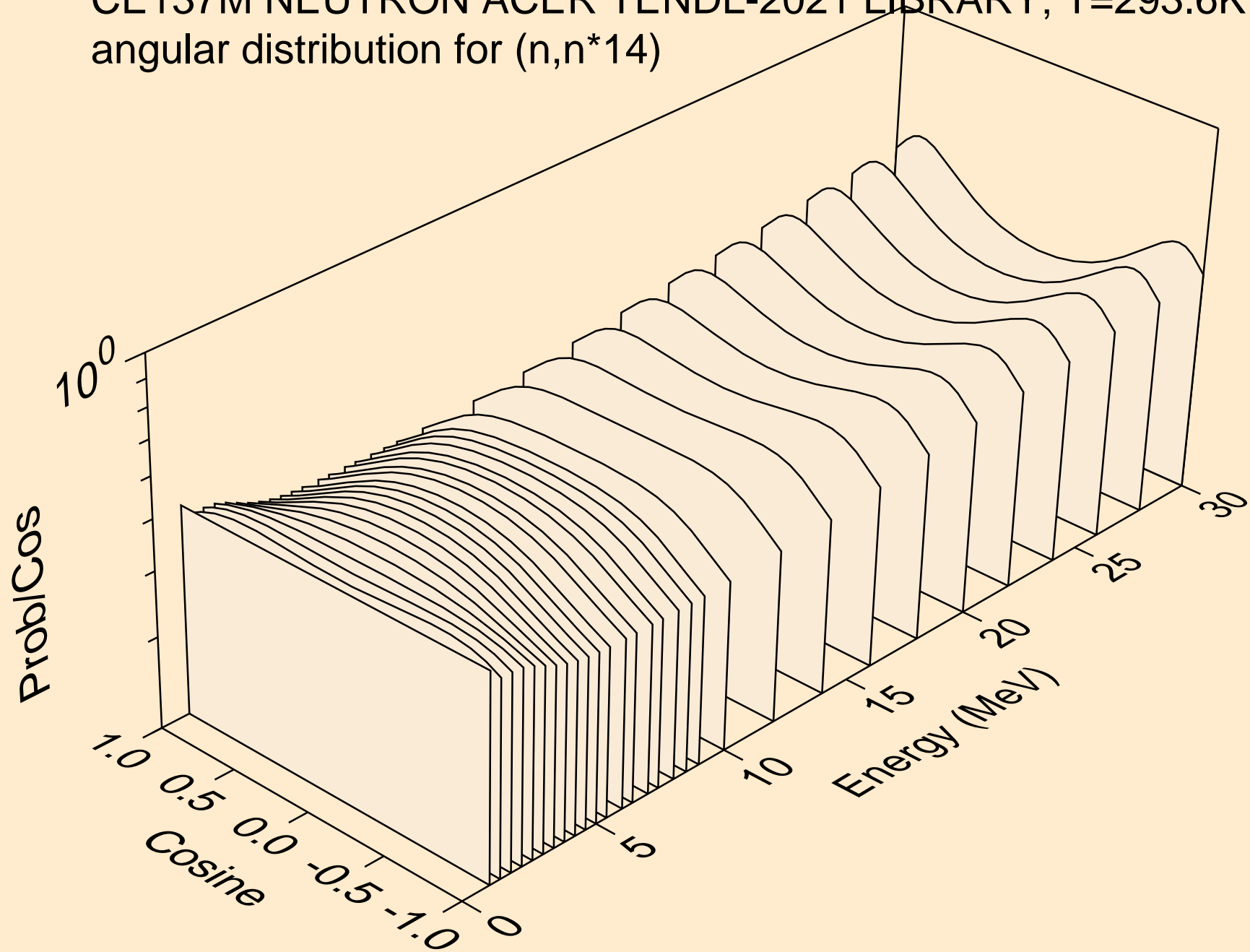
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angular distribution for (n,n\*12)



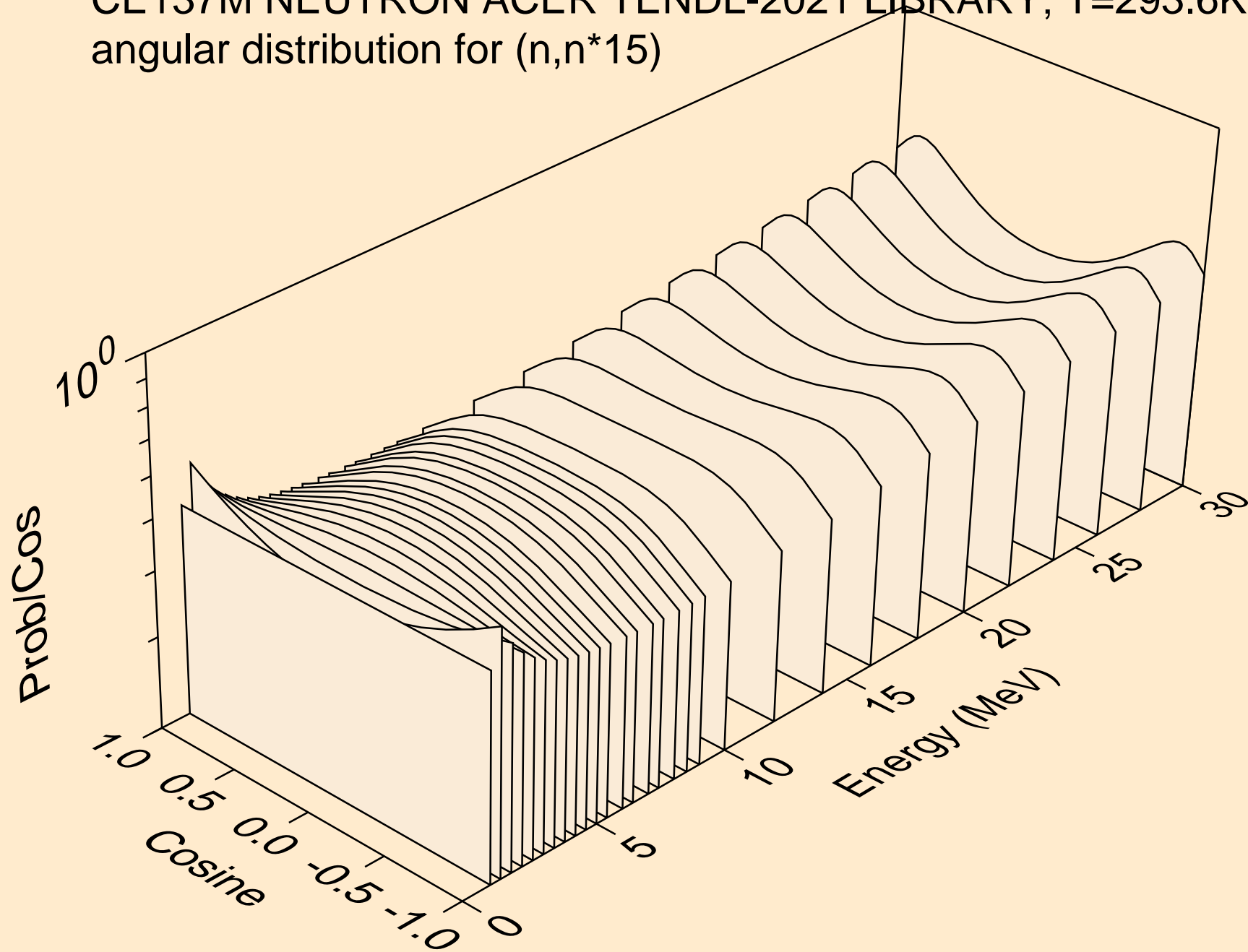
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angular distribution for (n,n\*13)



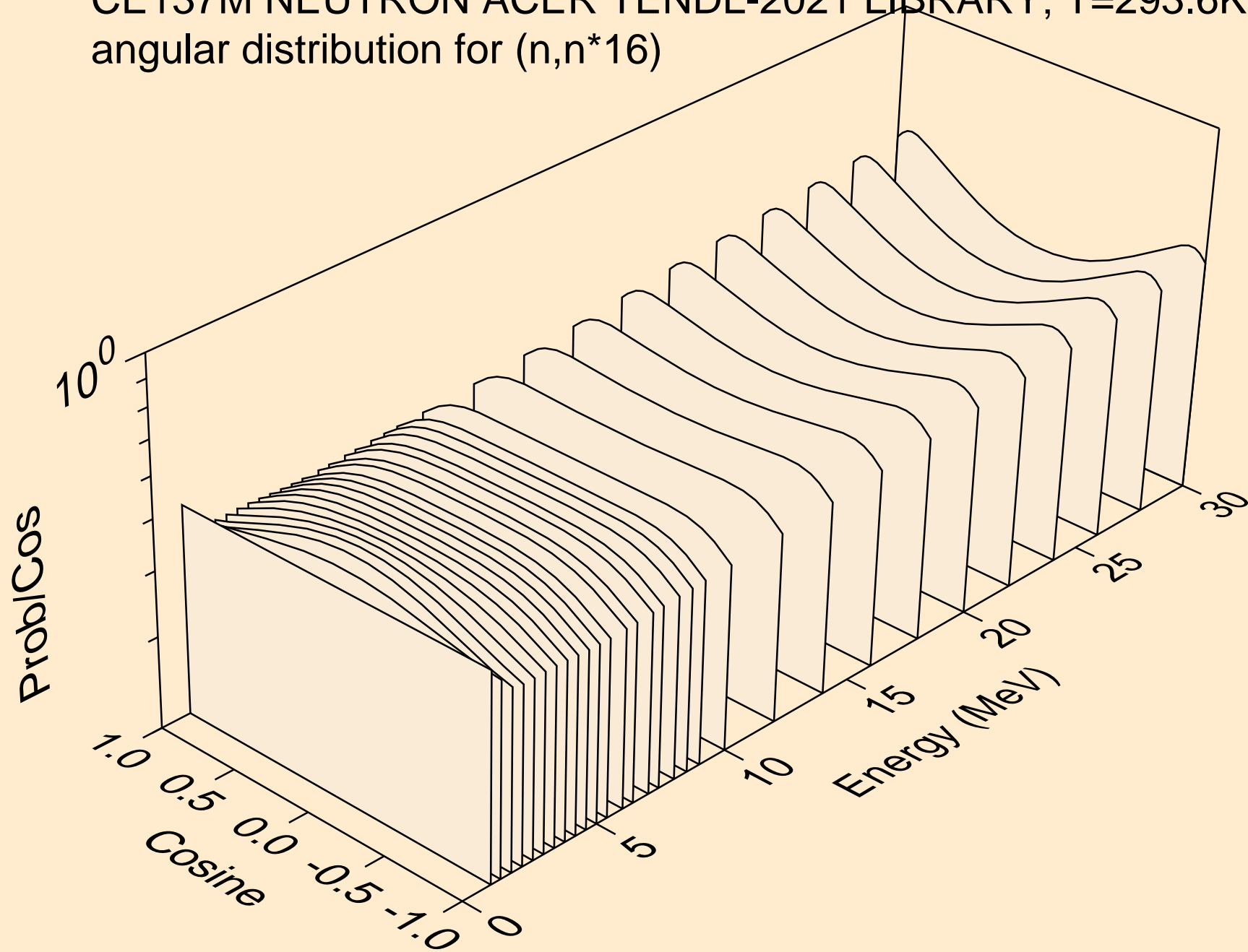
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angular distribution for (n,n\*14)



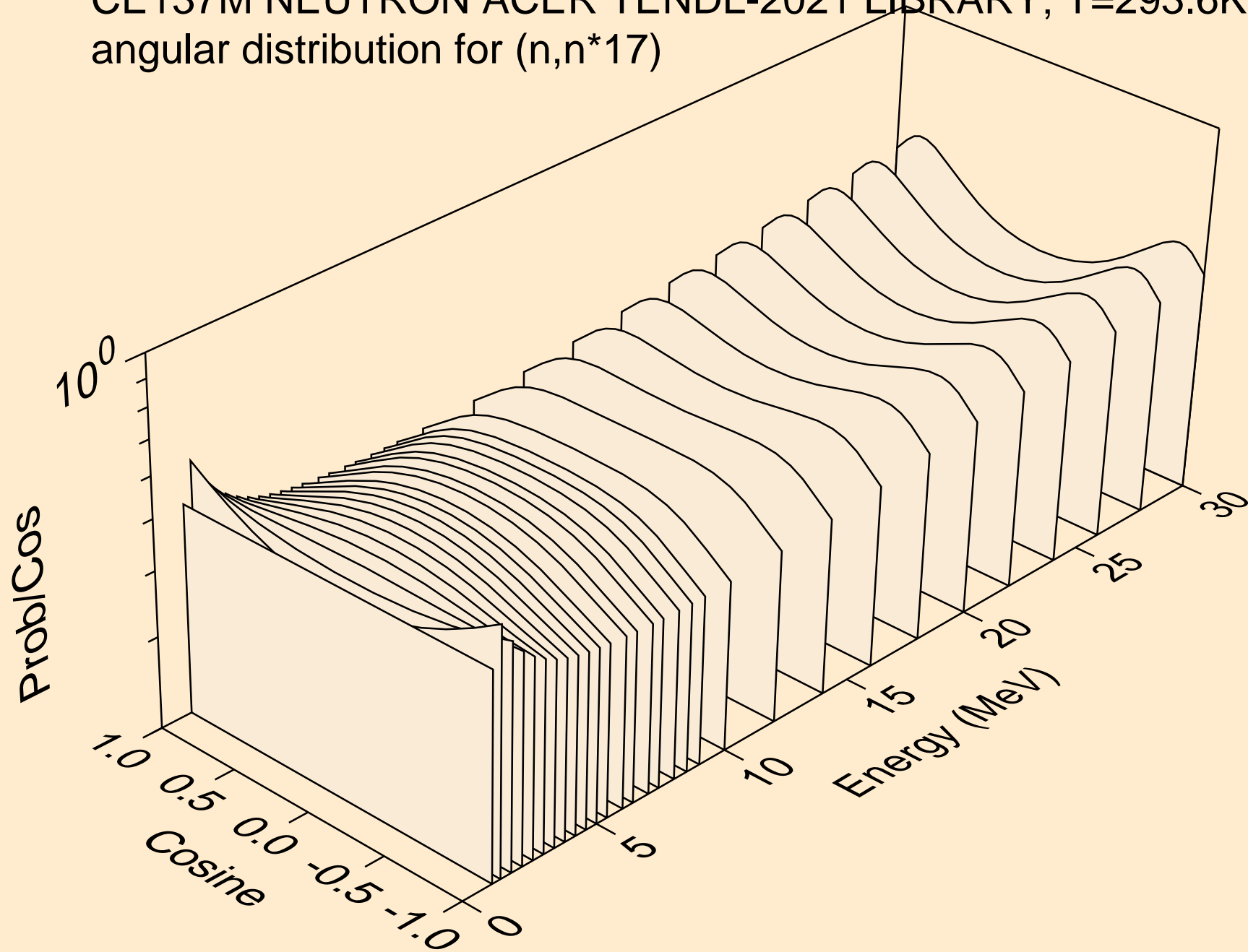
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angular distribution for (n,n\*15)



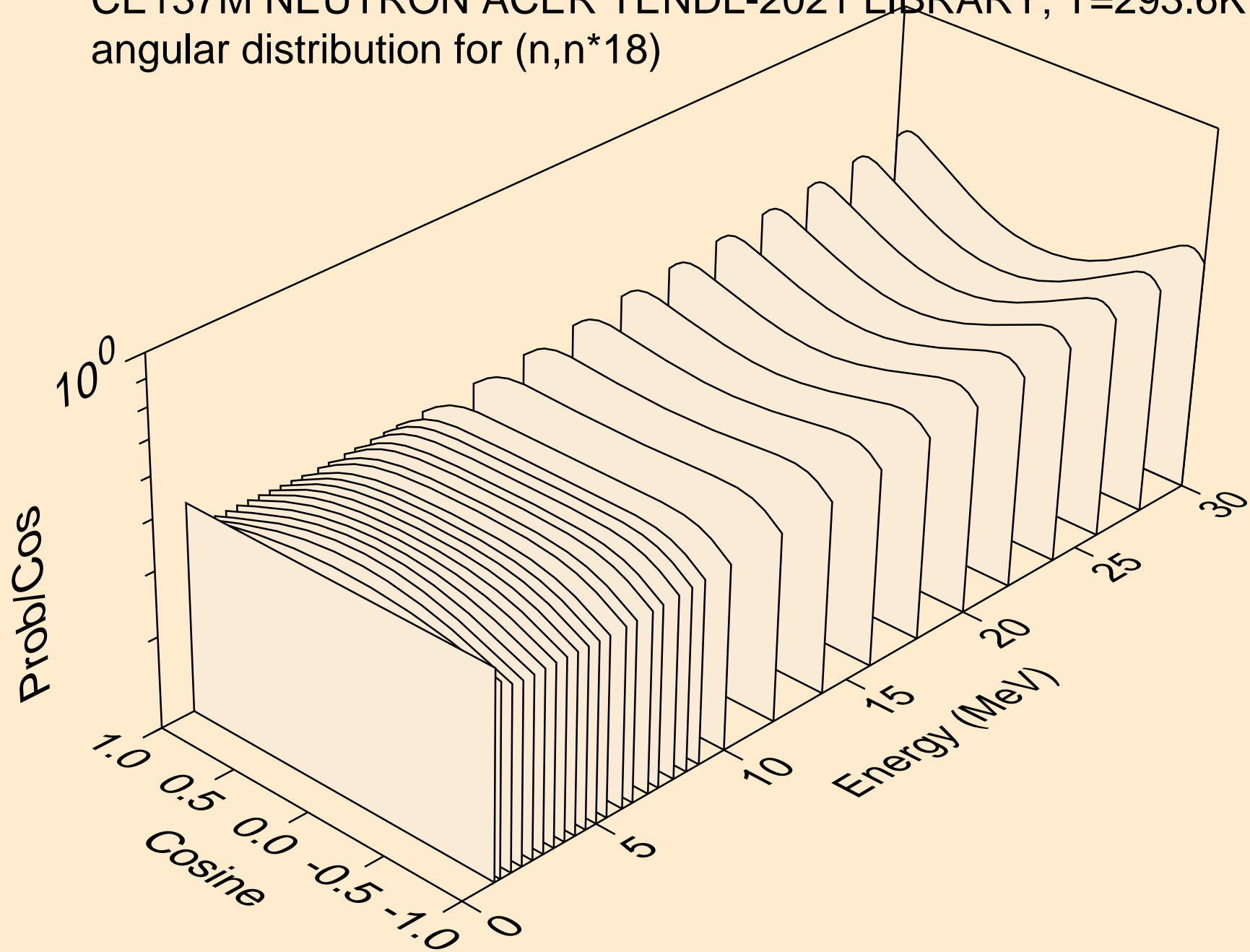
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angular distribution for (n,n\*16)



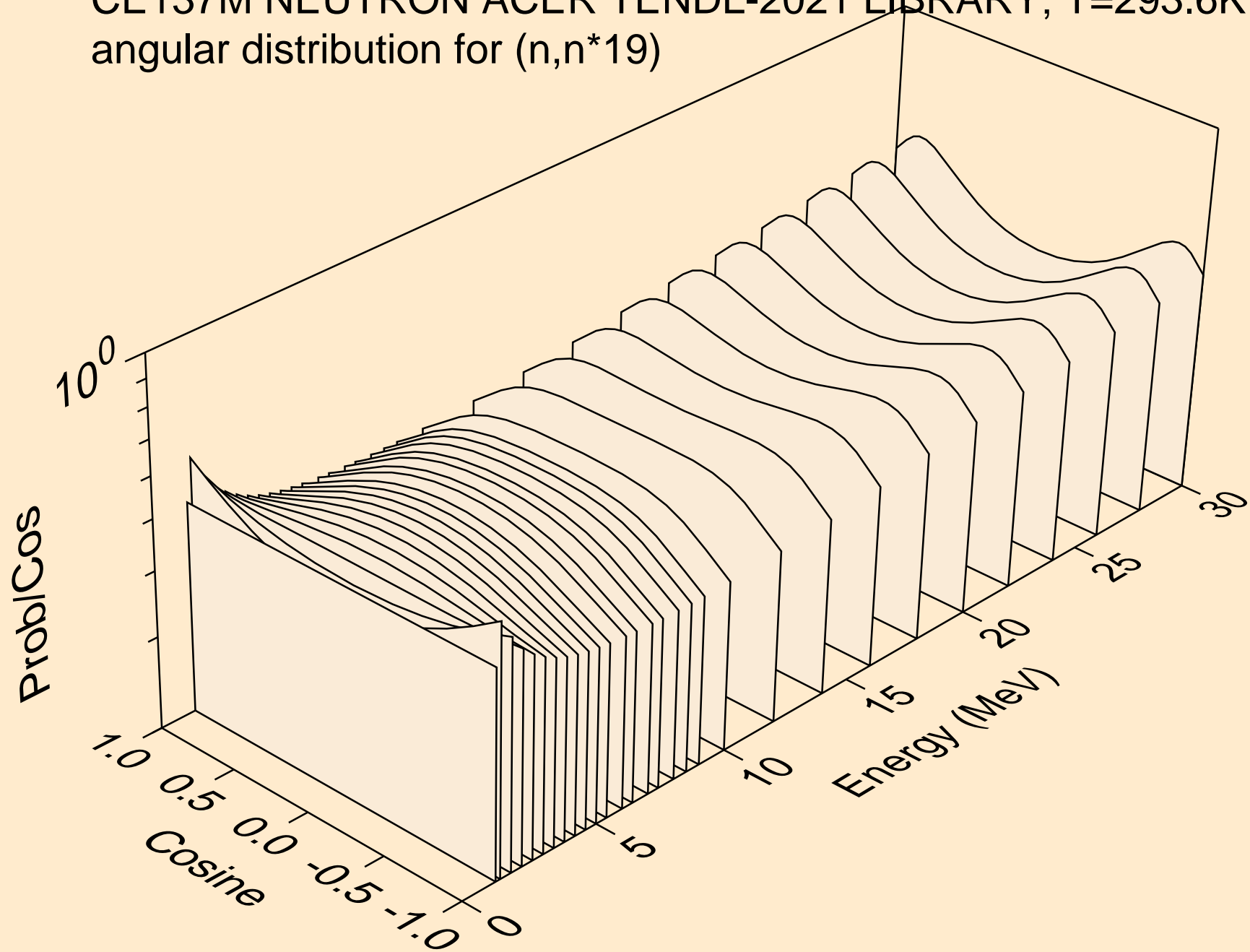
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*17)



CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*18)

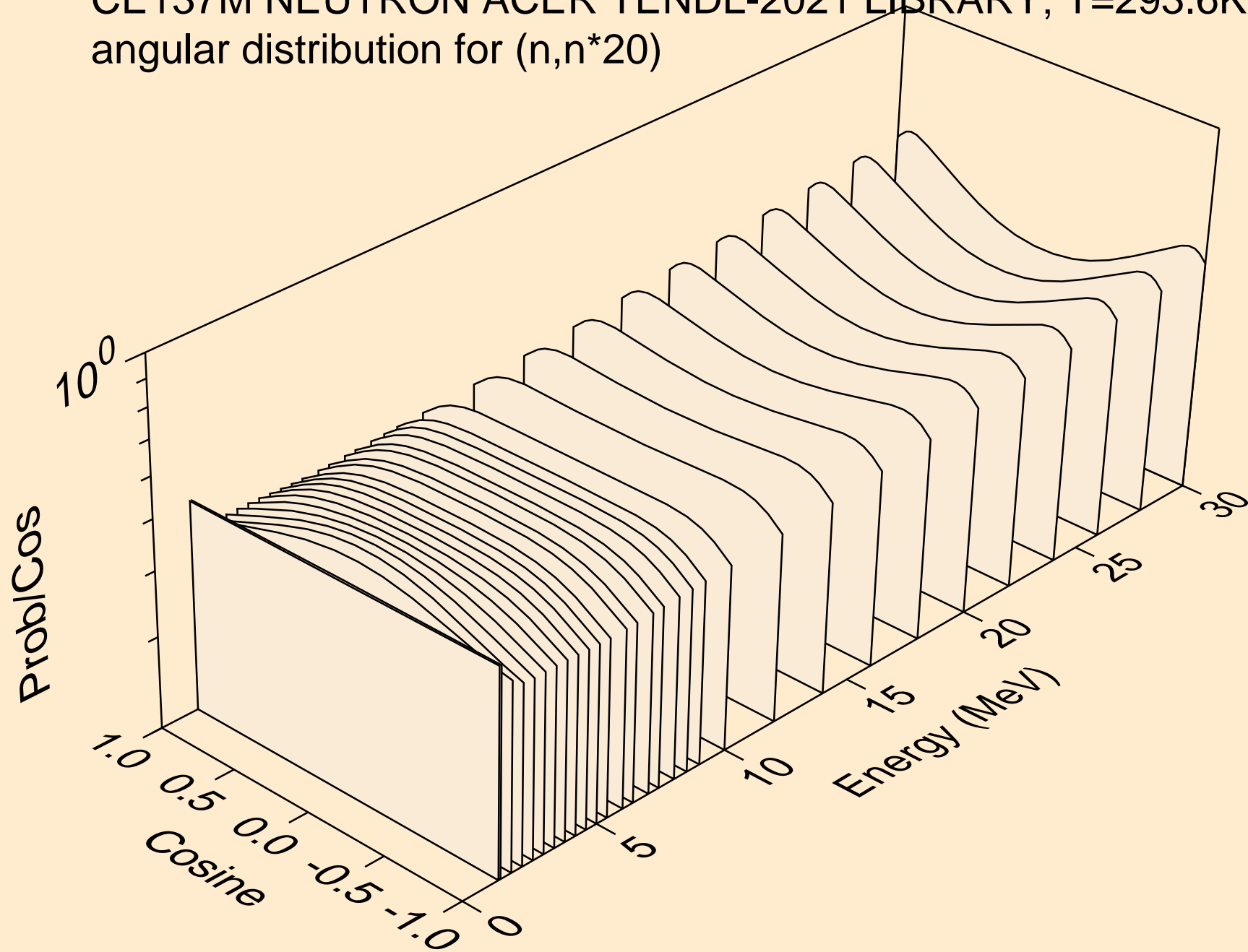


CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*19)

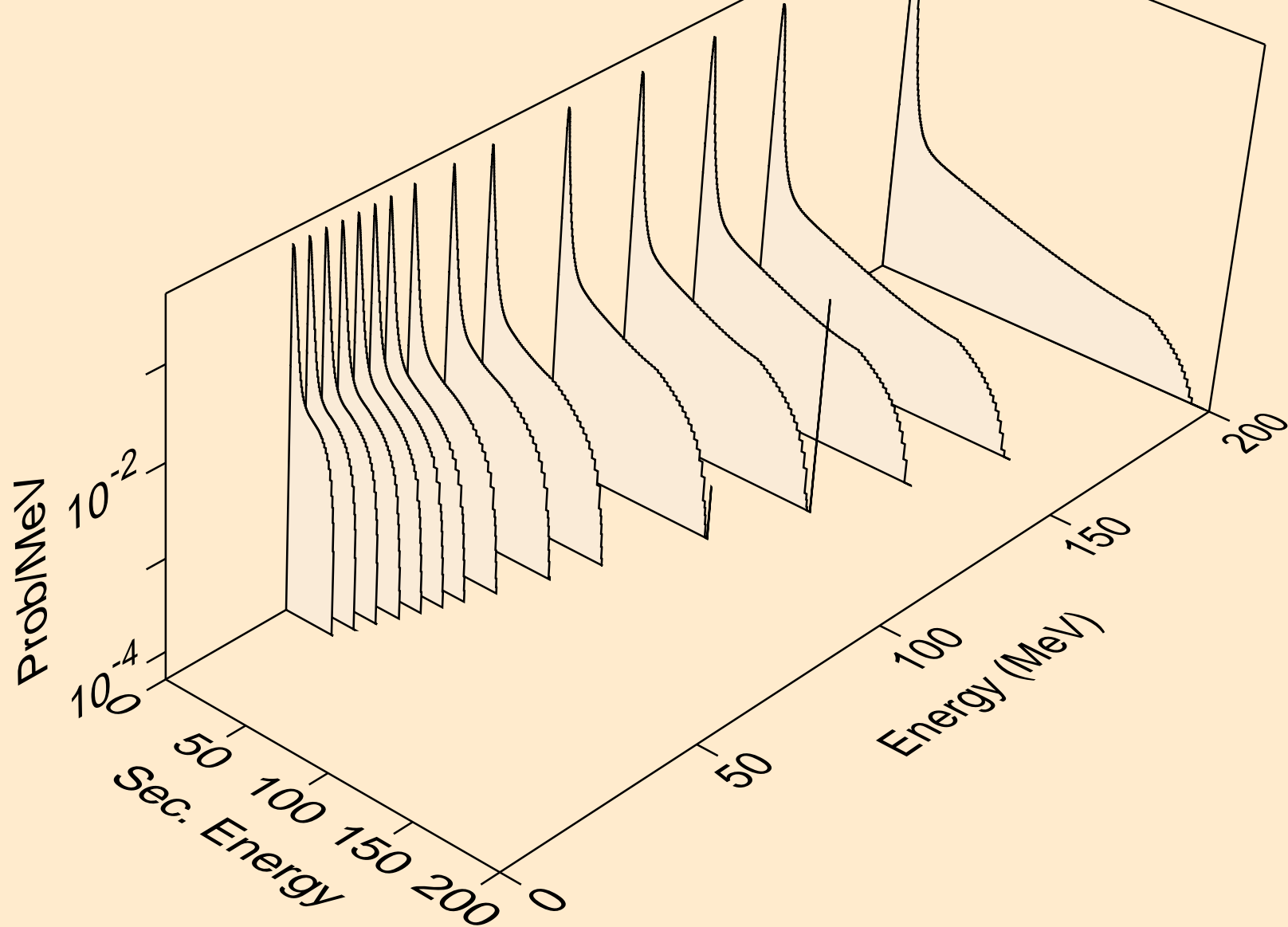




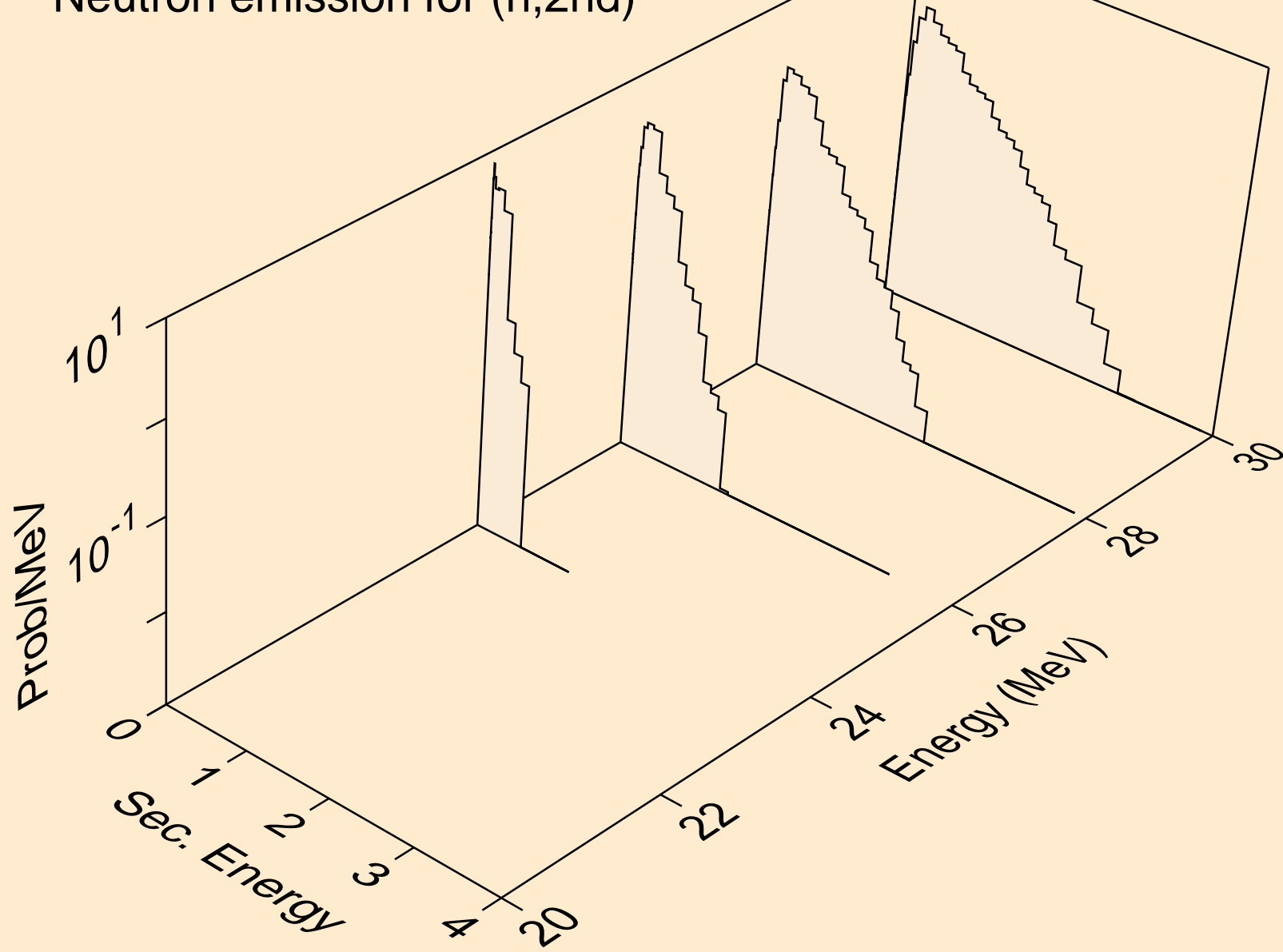
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angular distribution for (n,n\*20)



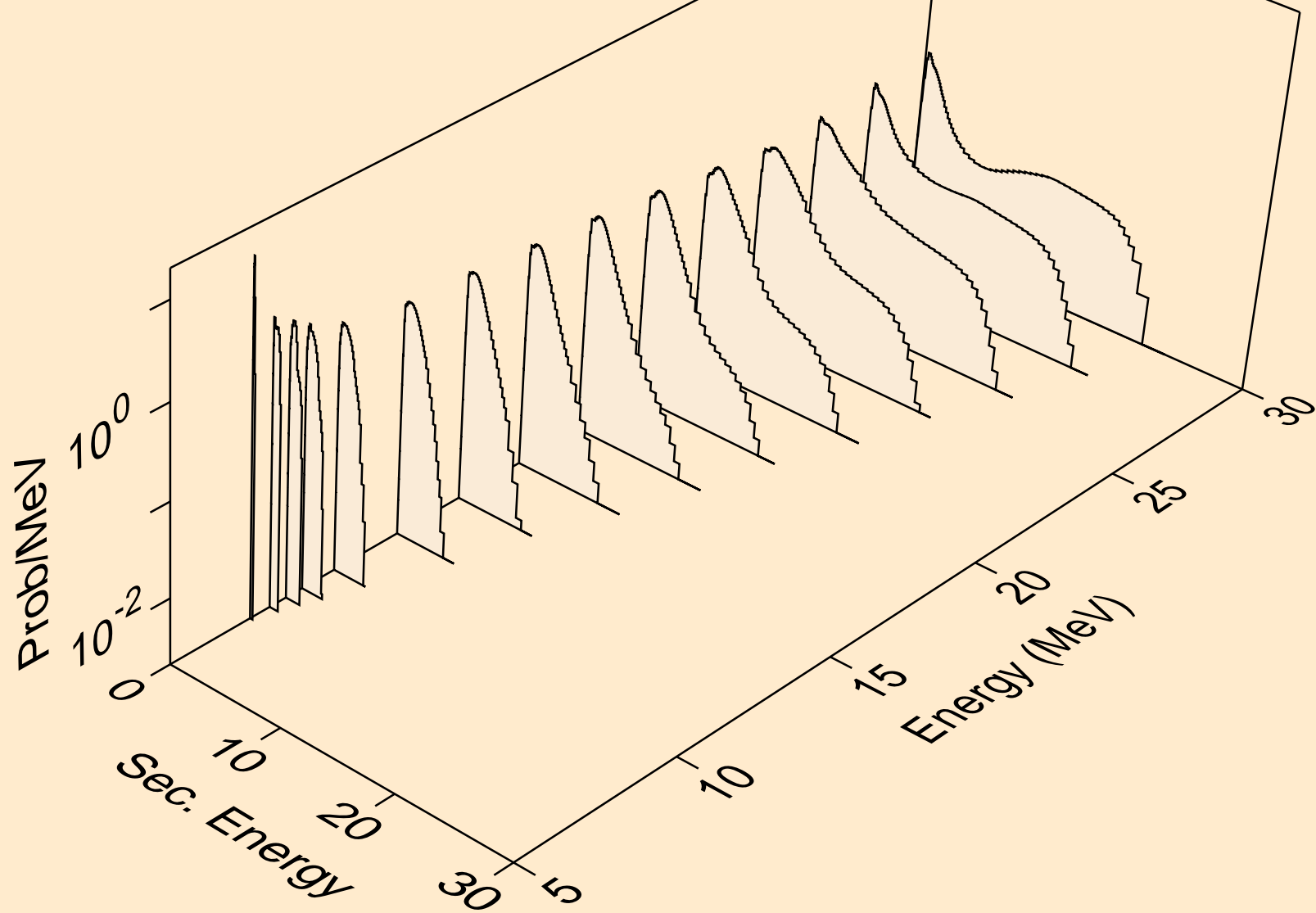
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Neutron emission for (n,x)



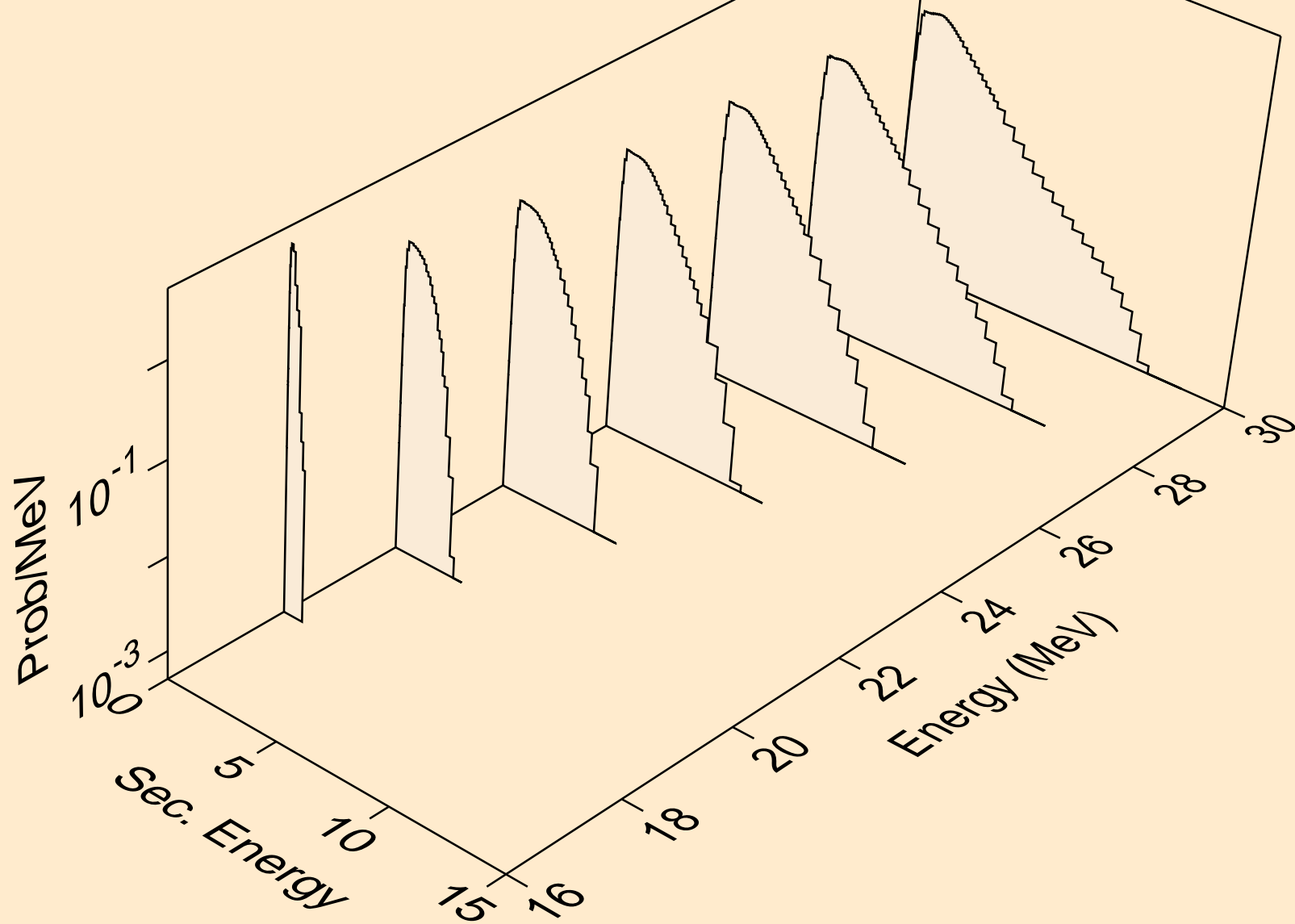
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



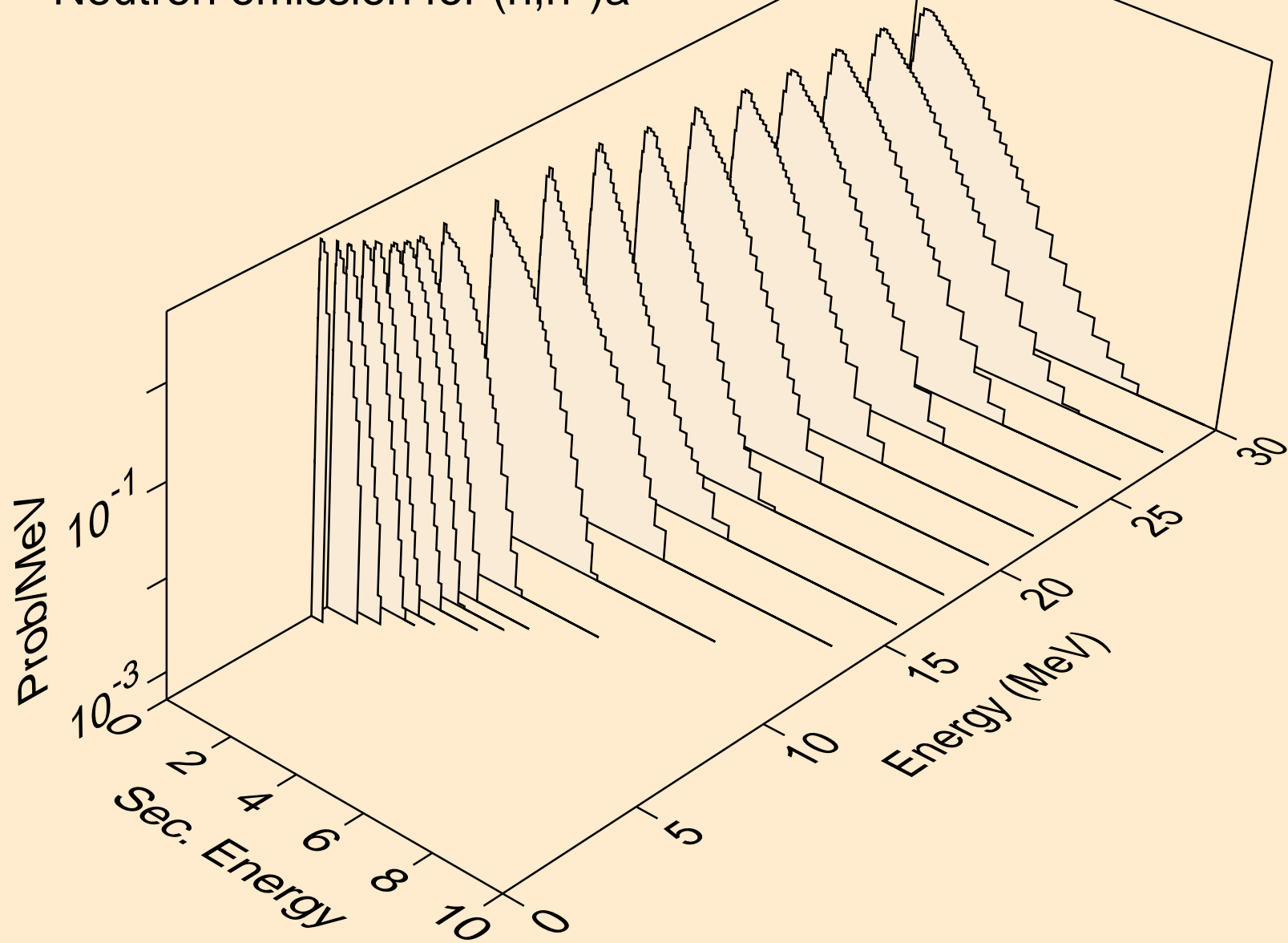
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



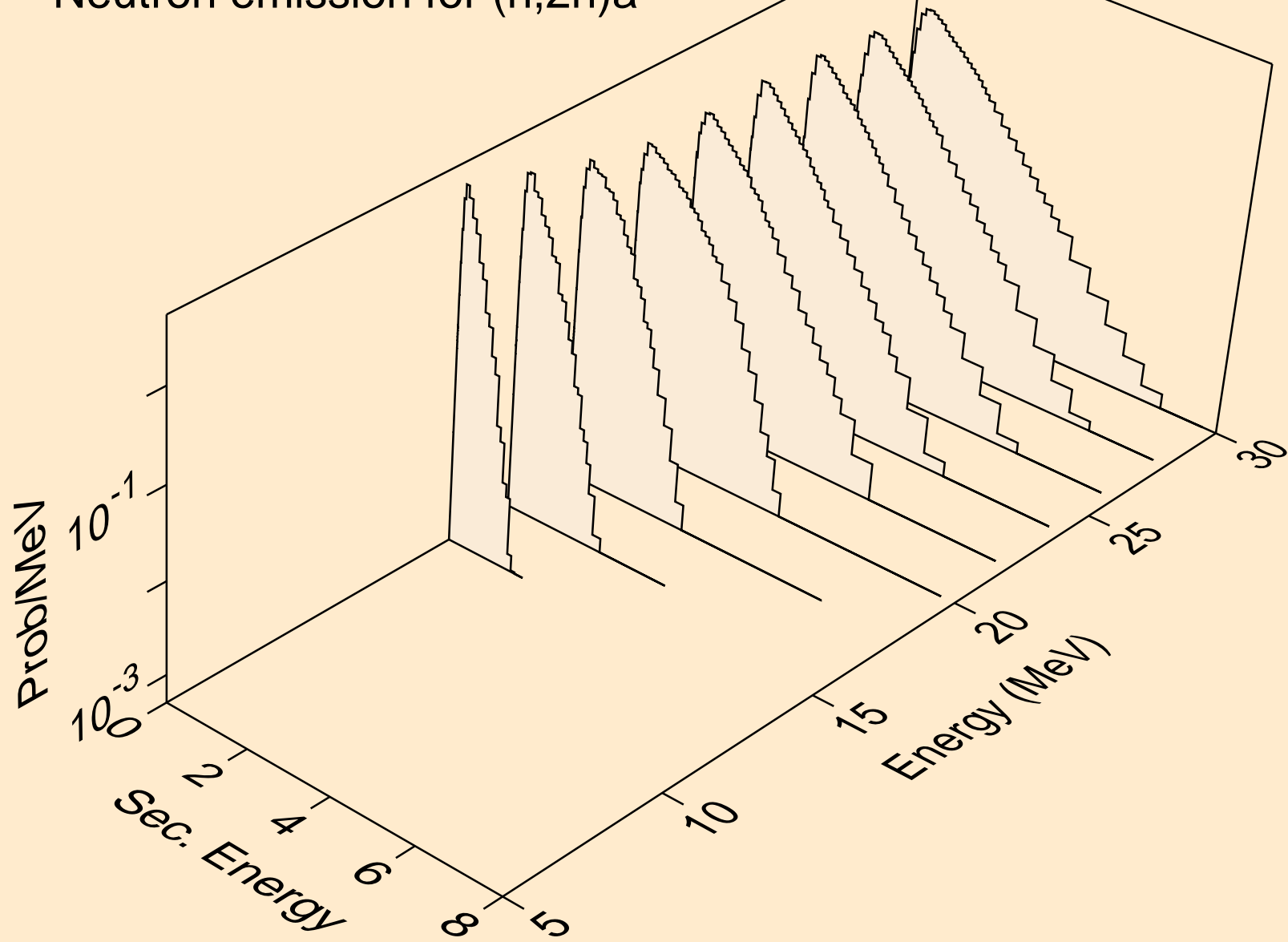
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



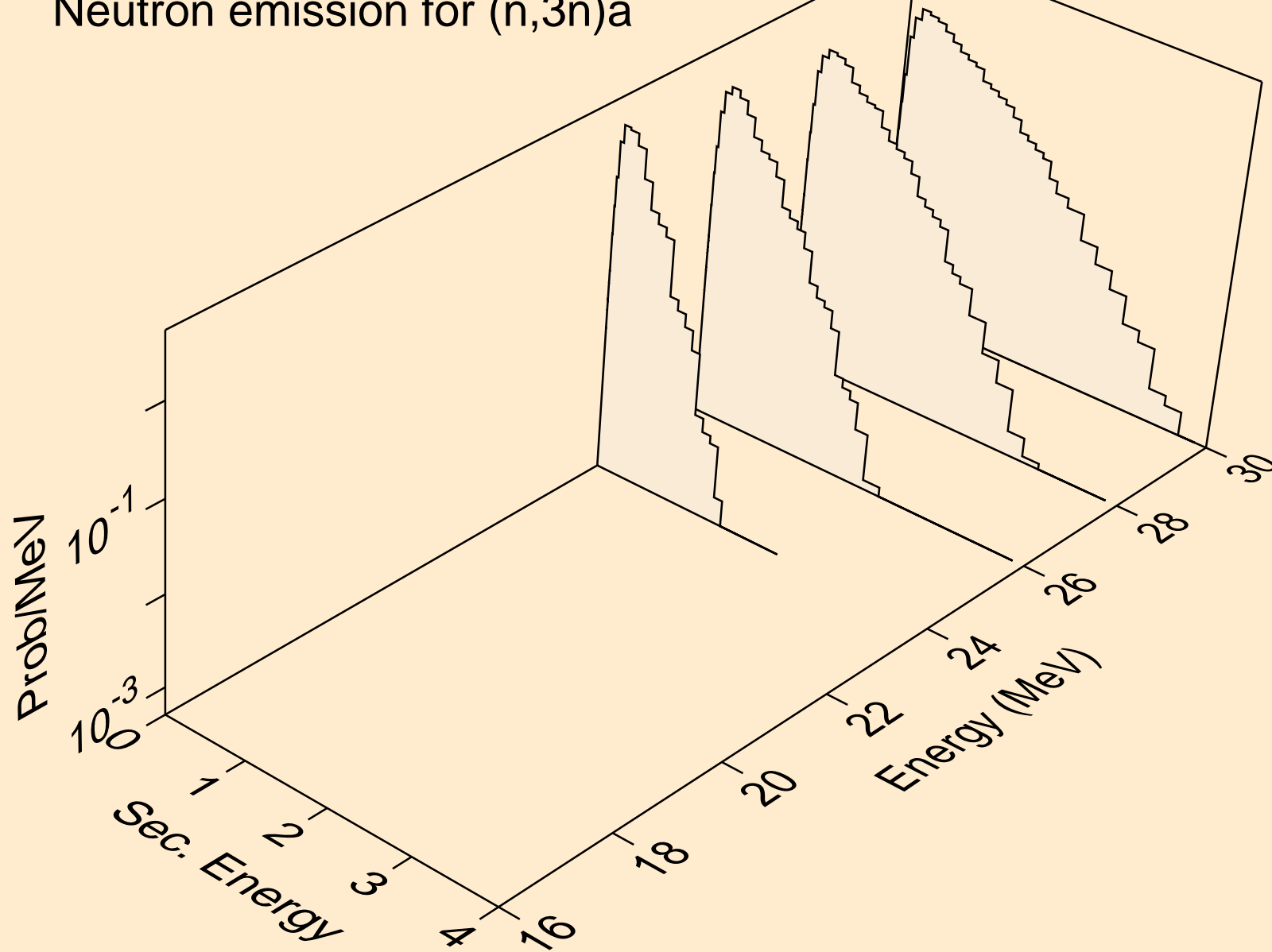
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)<sub>a</sub>

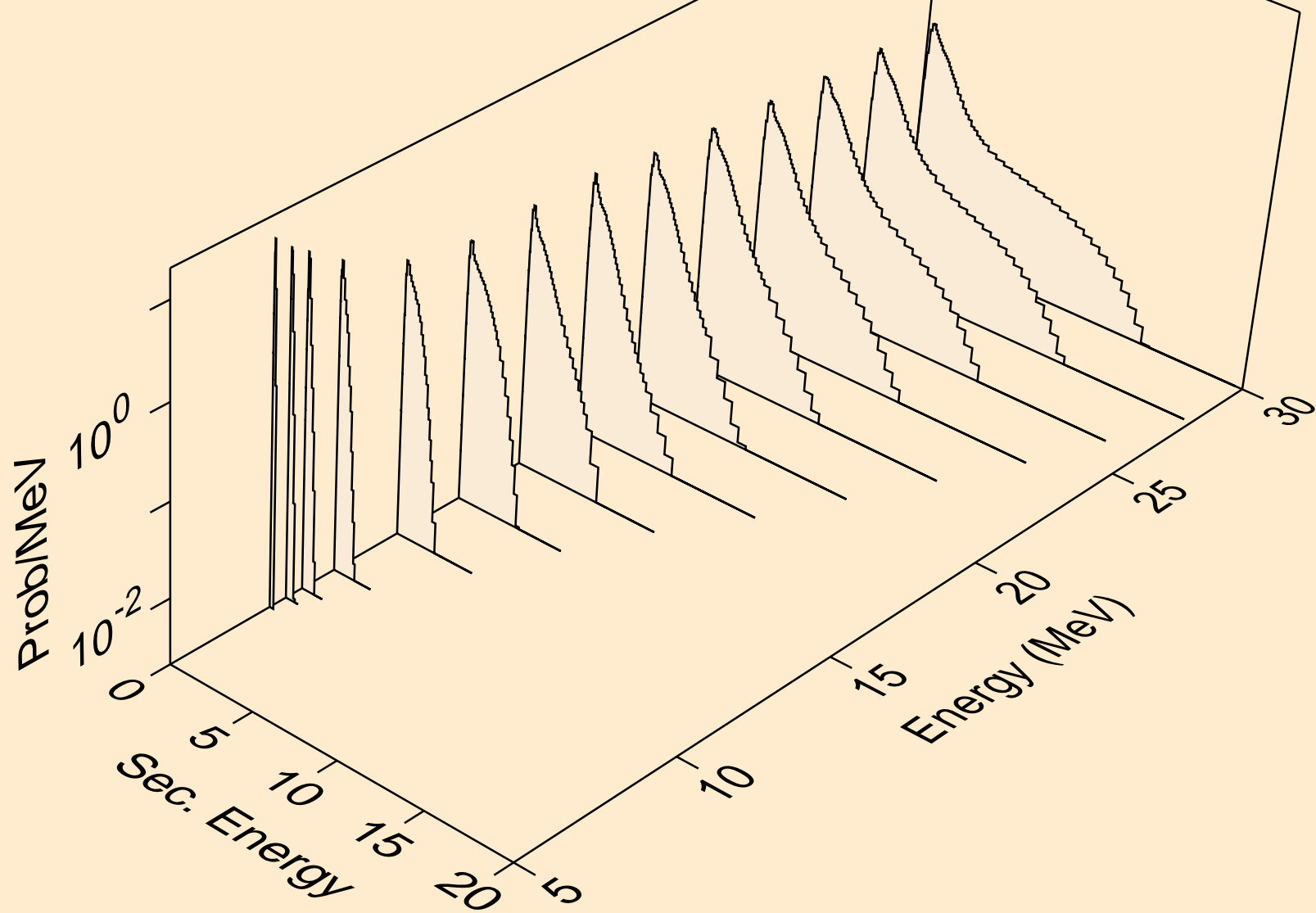


CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a

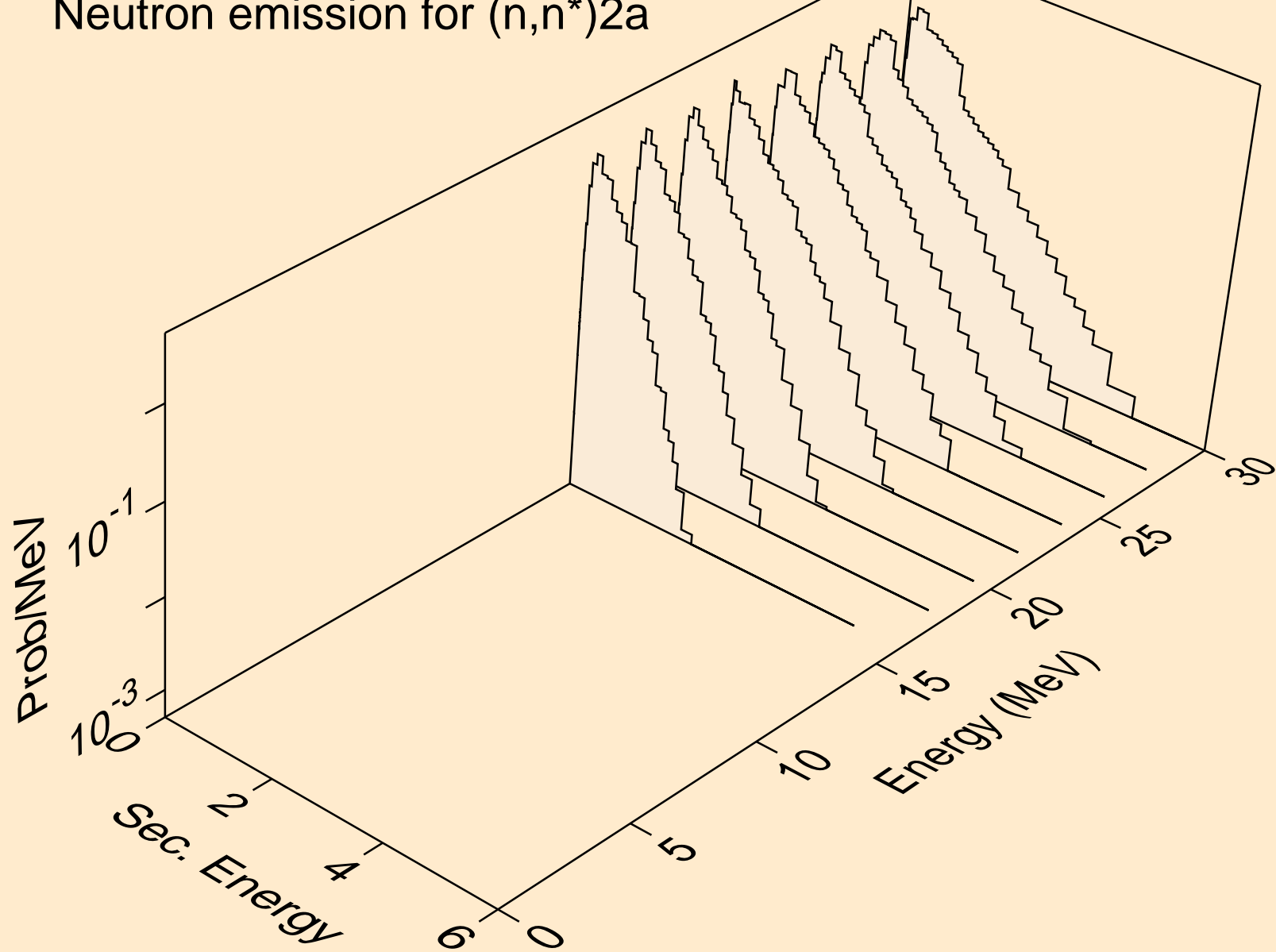




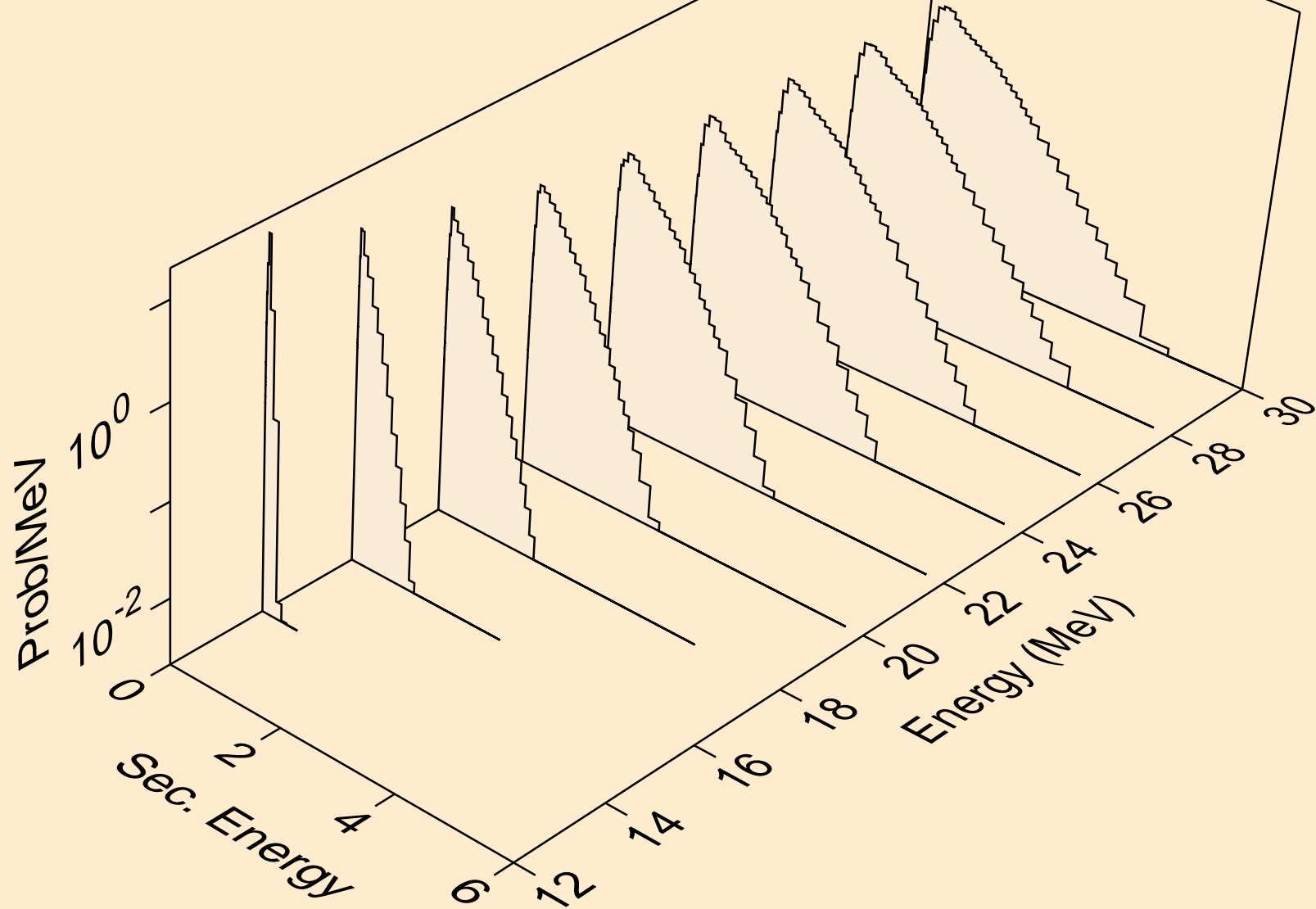
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



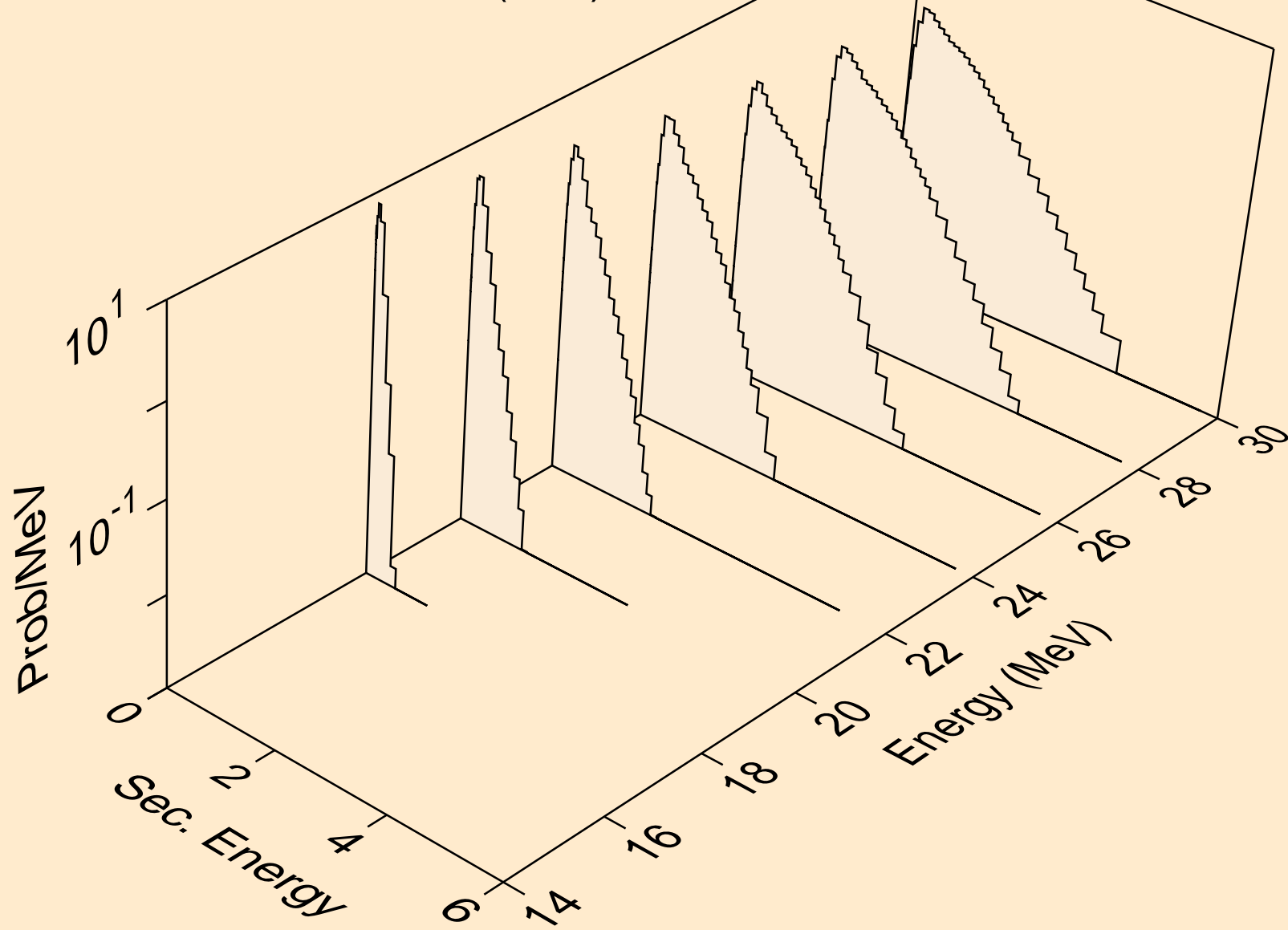
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a



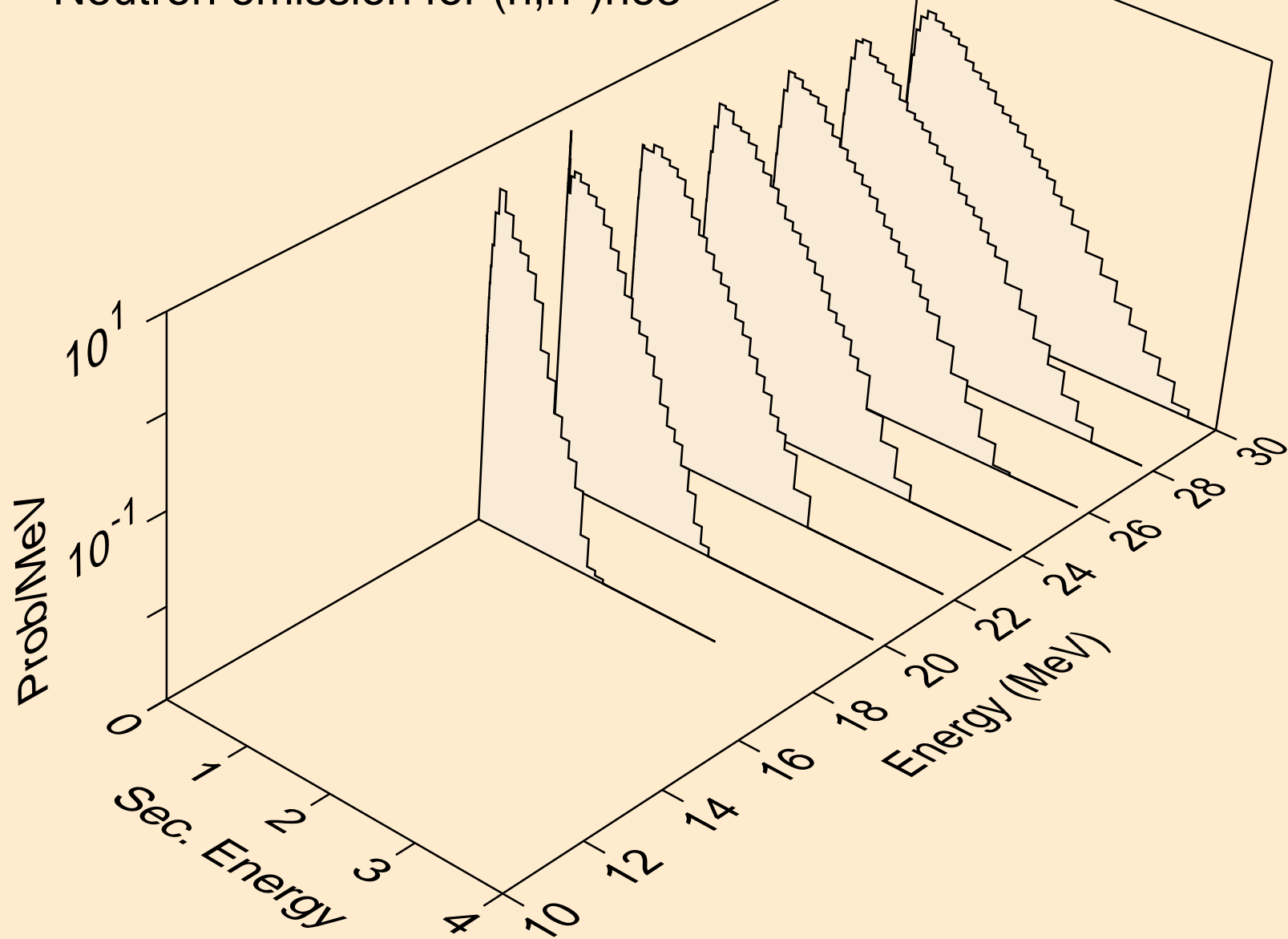
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



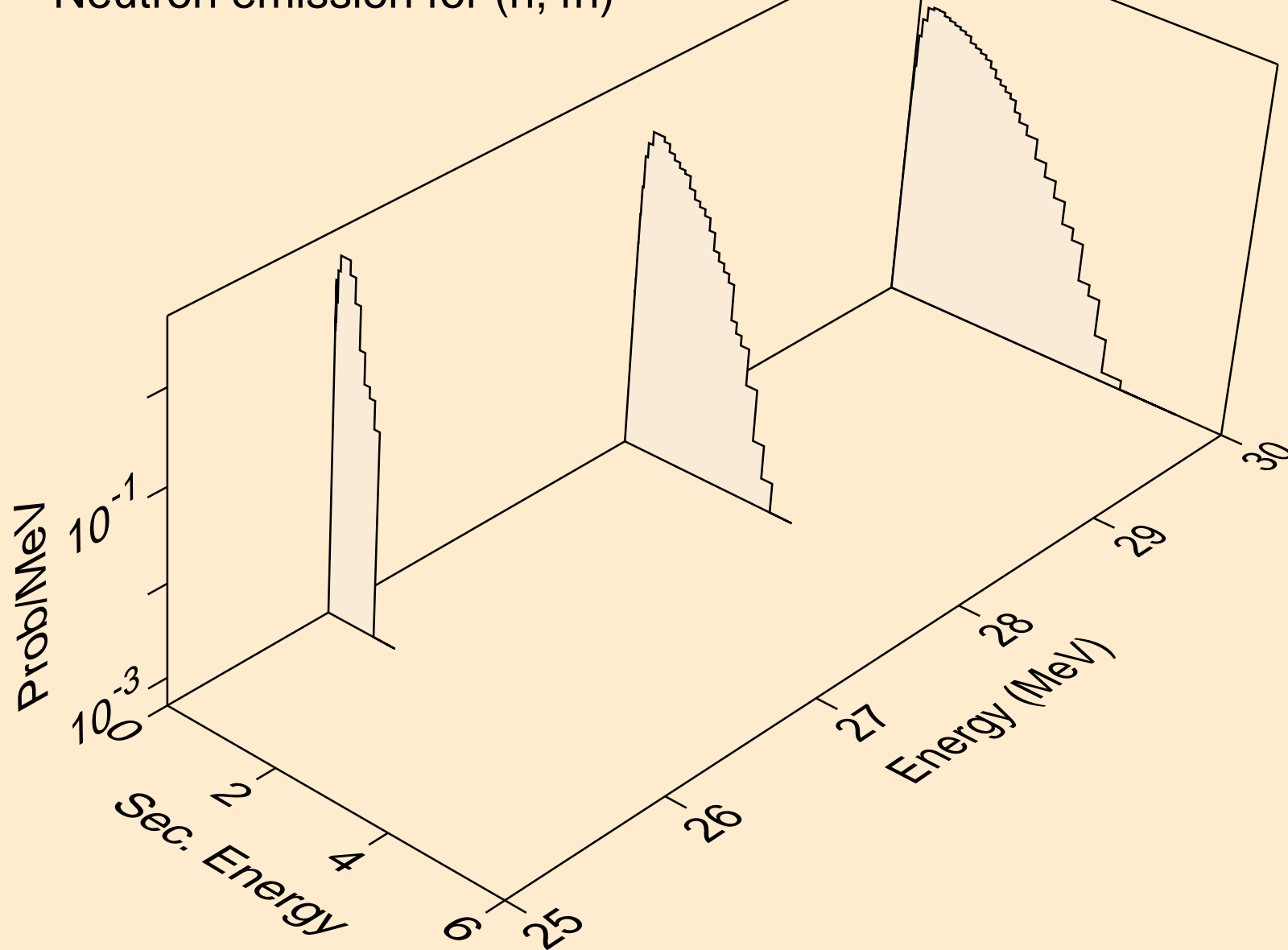
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Neutron emission for (n,n\*)t



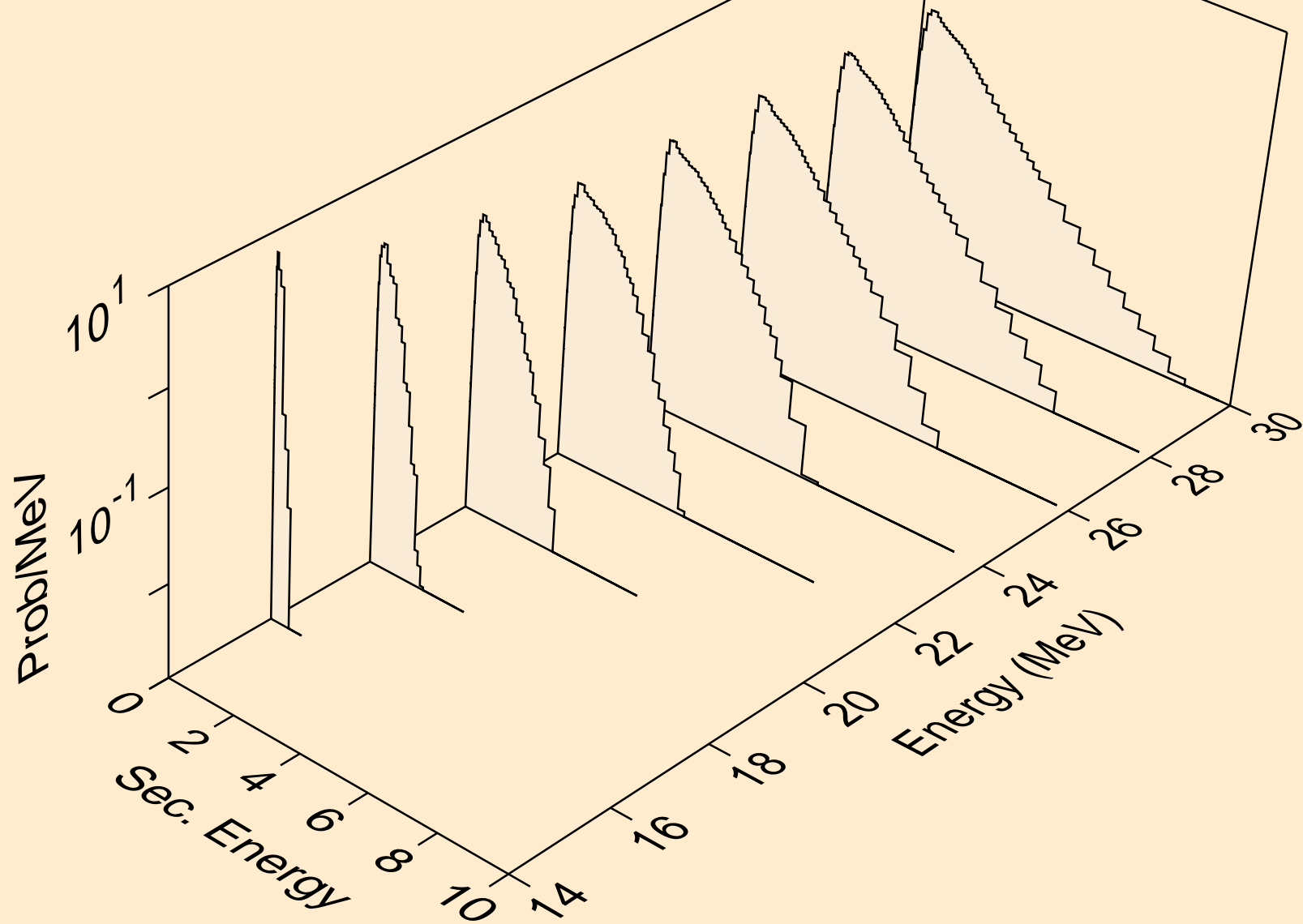
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



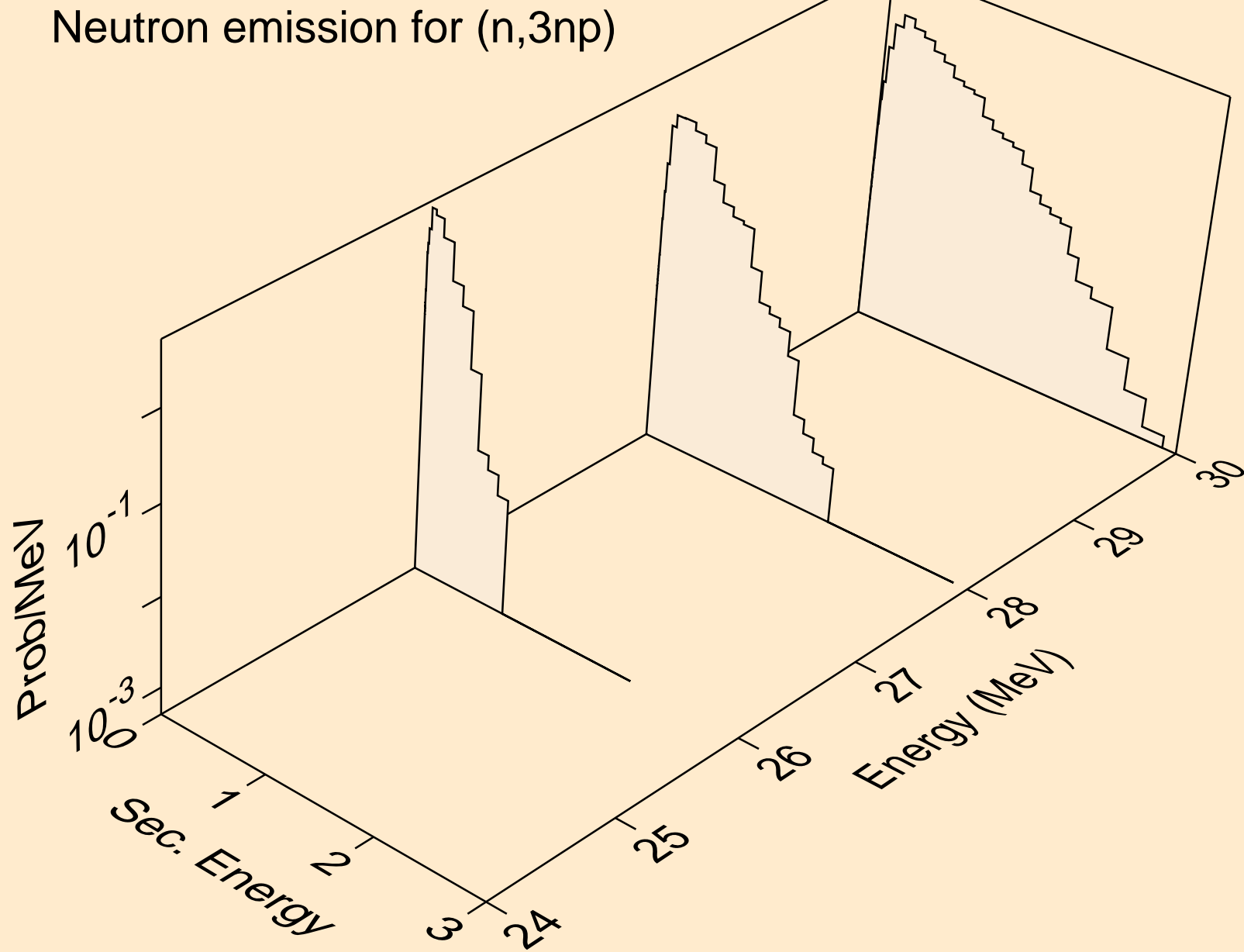
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,4n)



CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)

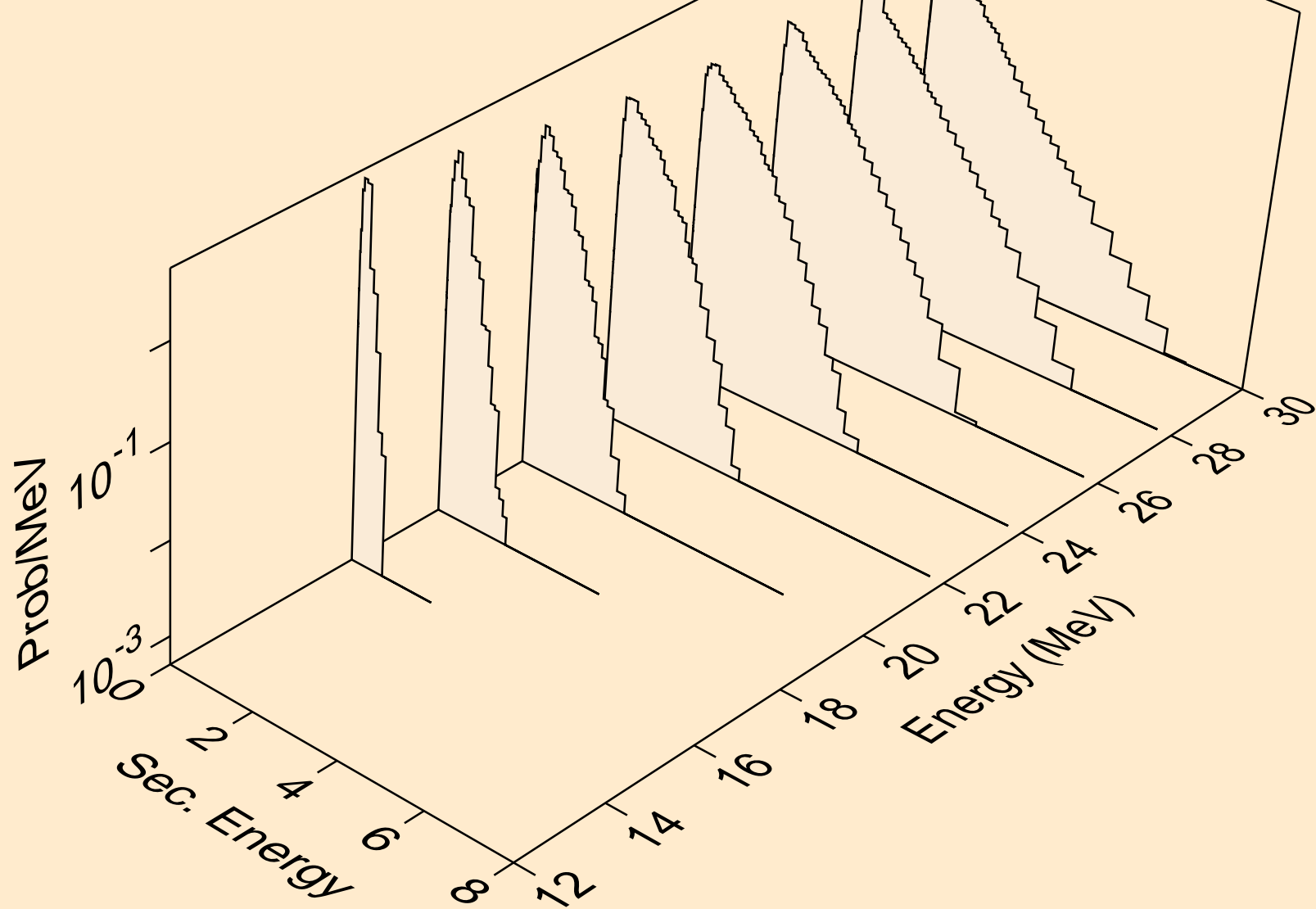


CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)

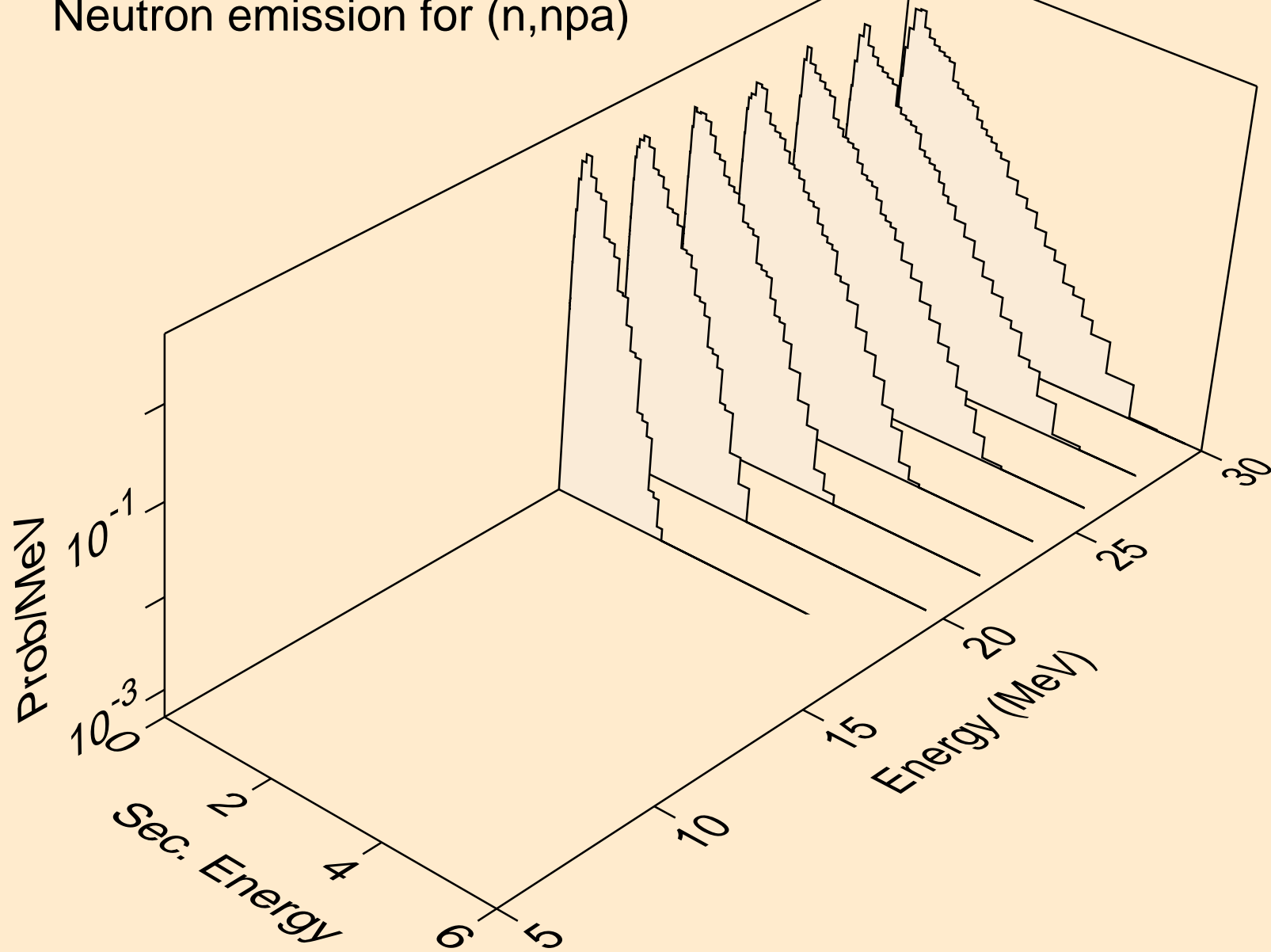




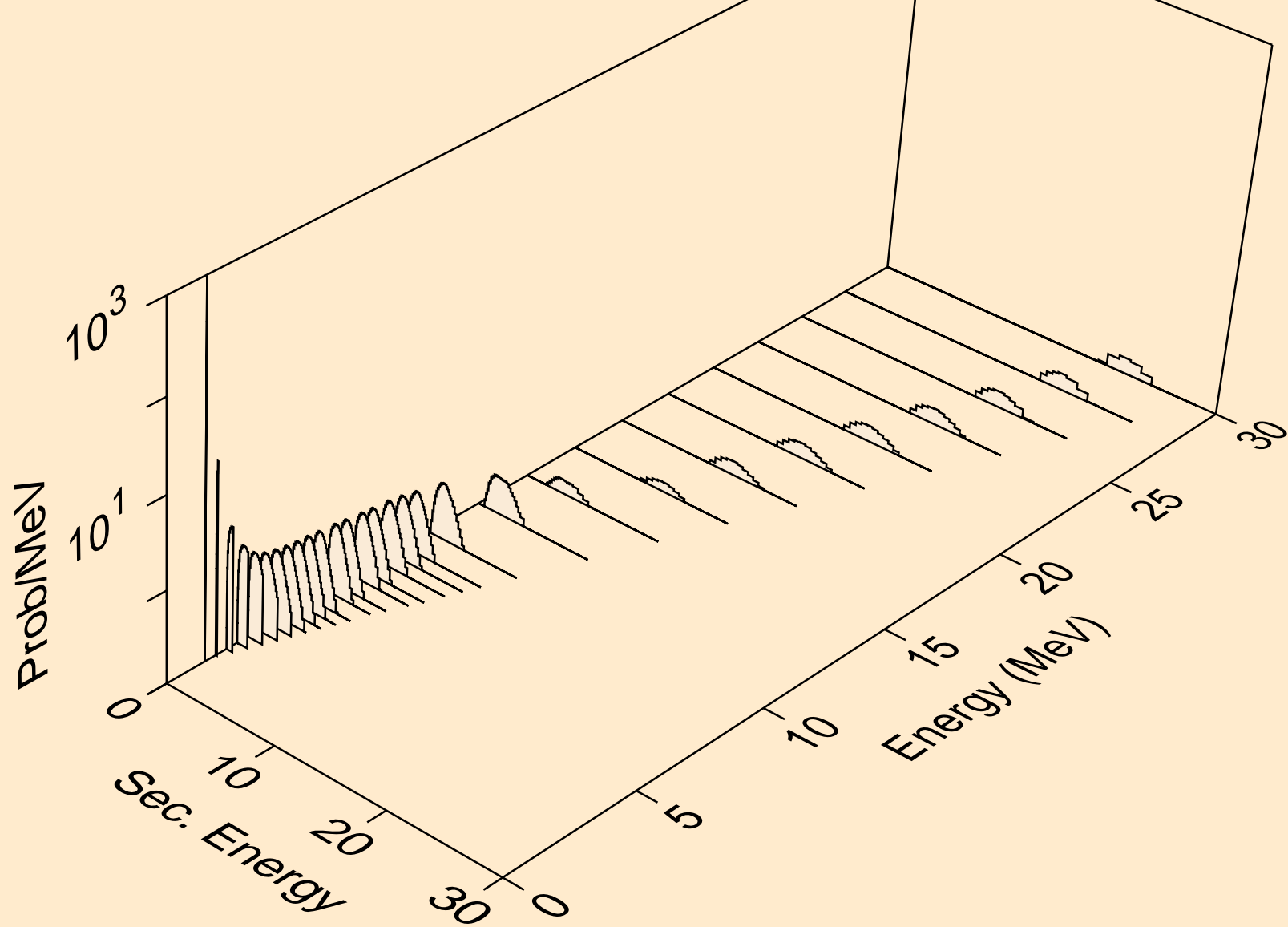
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



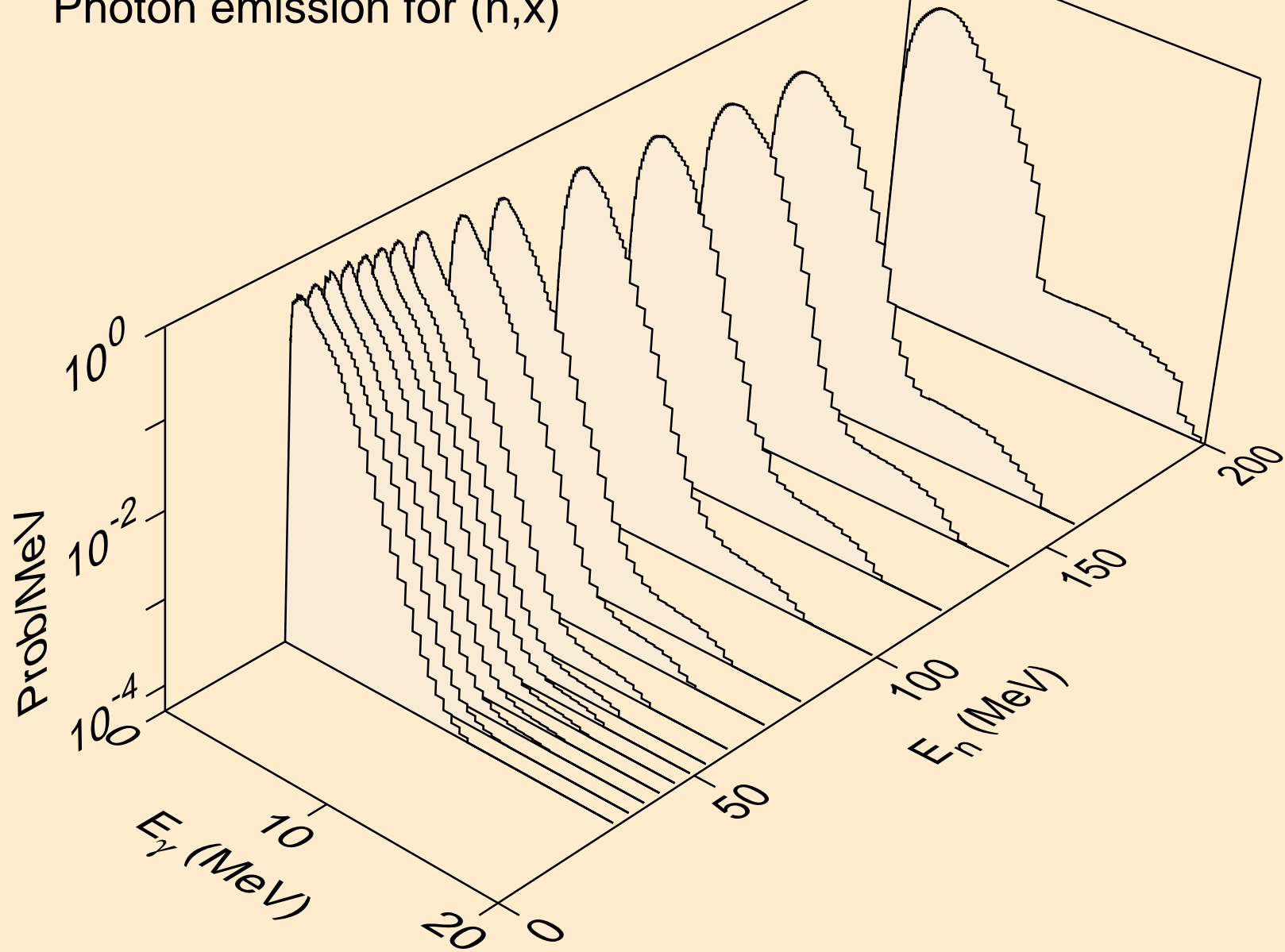
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)



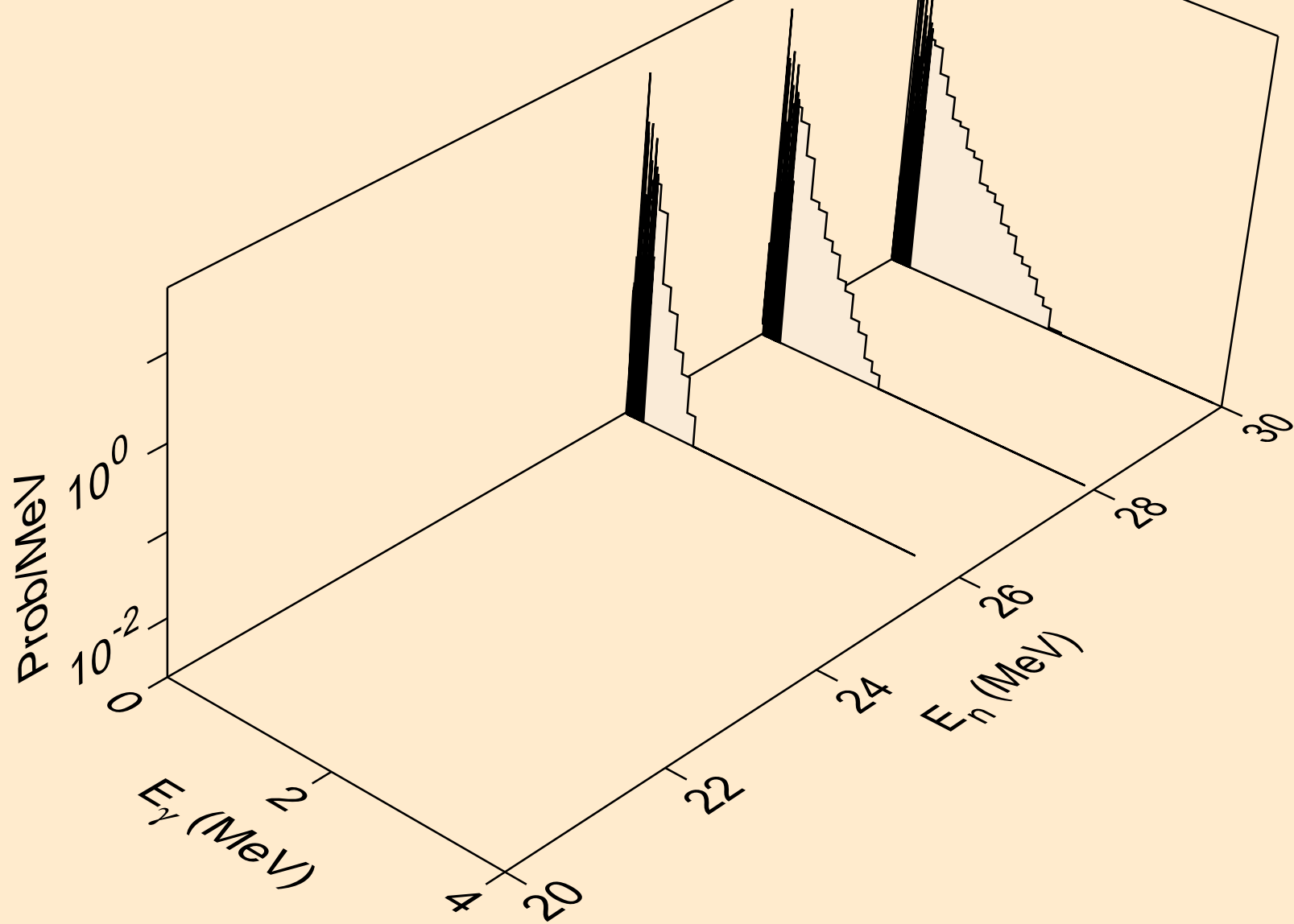
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Neutron emission for (n,n\*c)



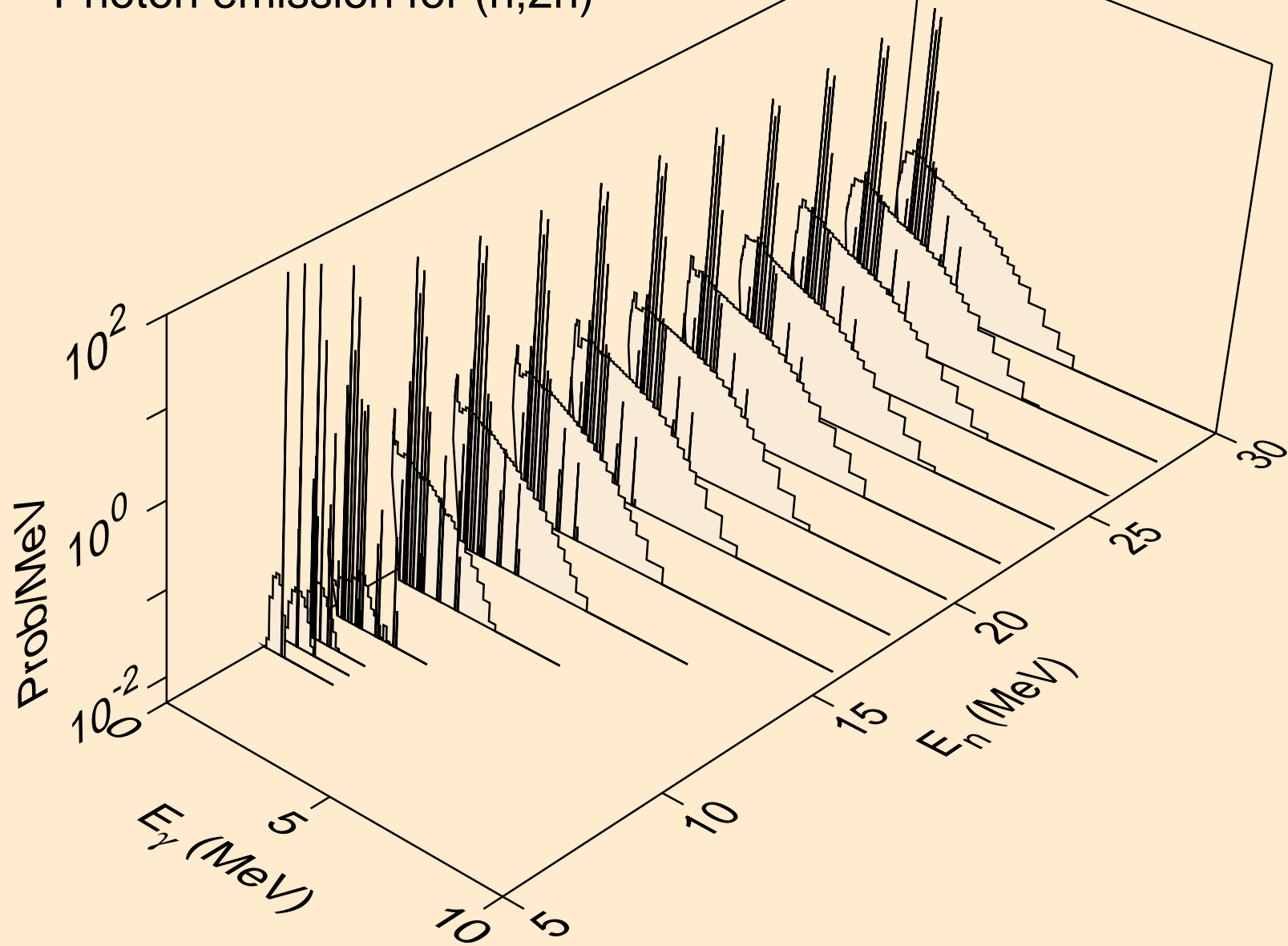
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Photon emission for (n,x)



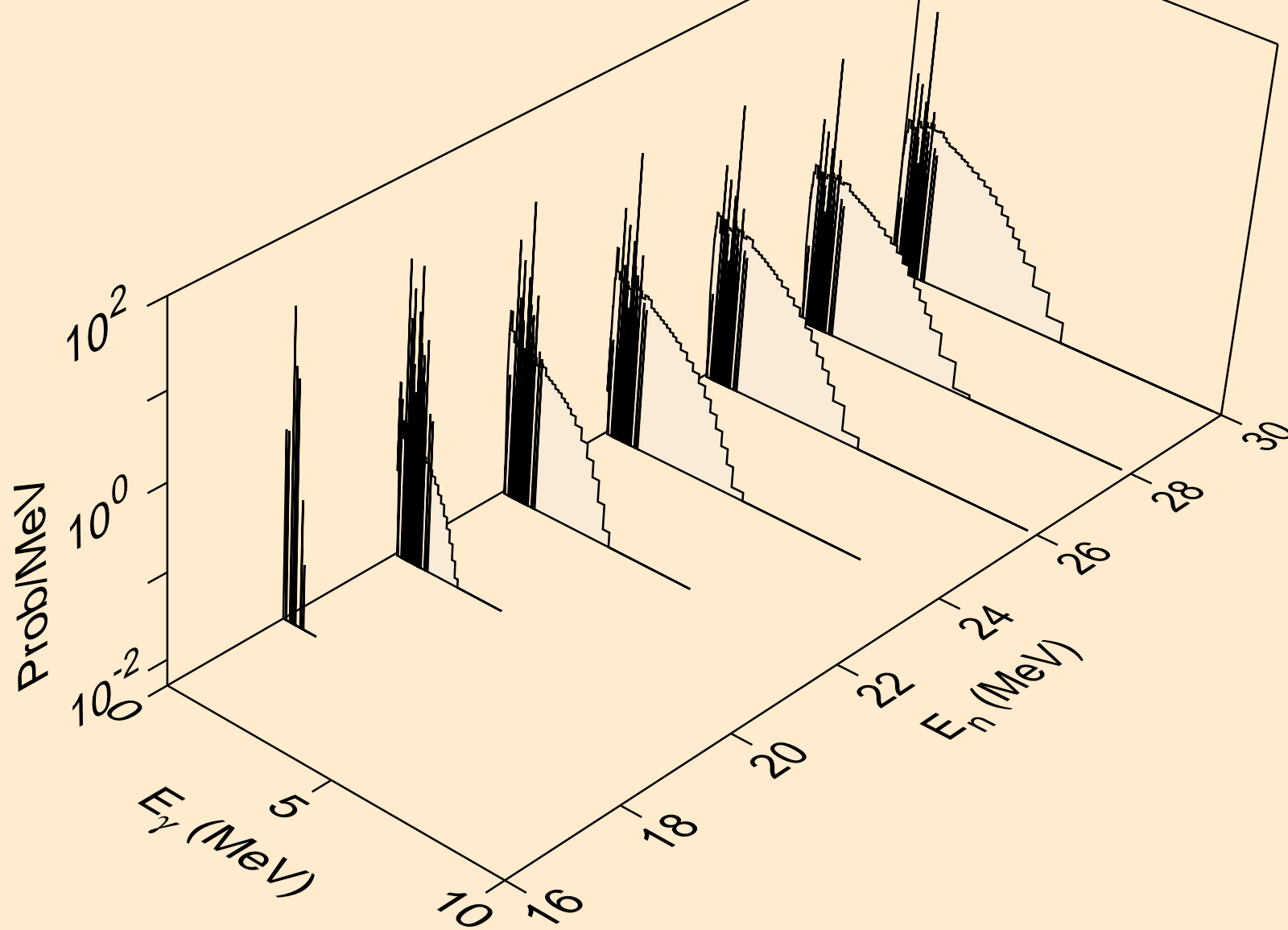
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Photon emission for (n,2nd)



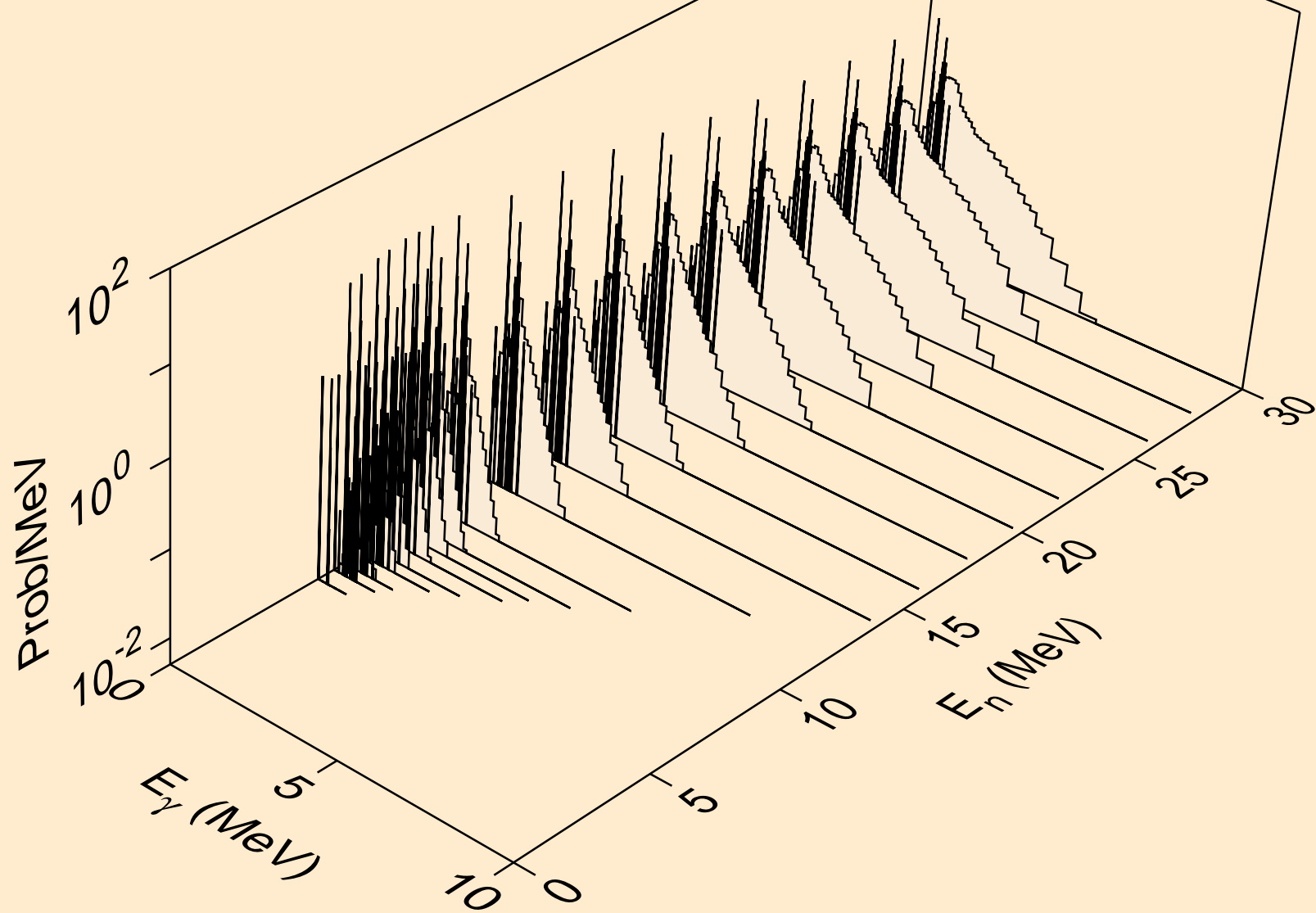
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Photon emission for (n,2n)



CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)

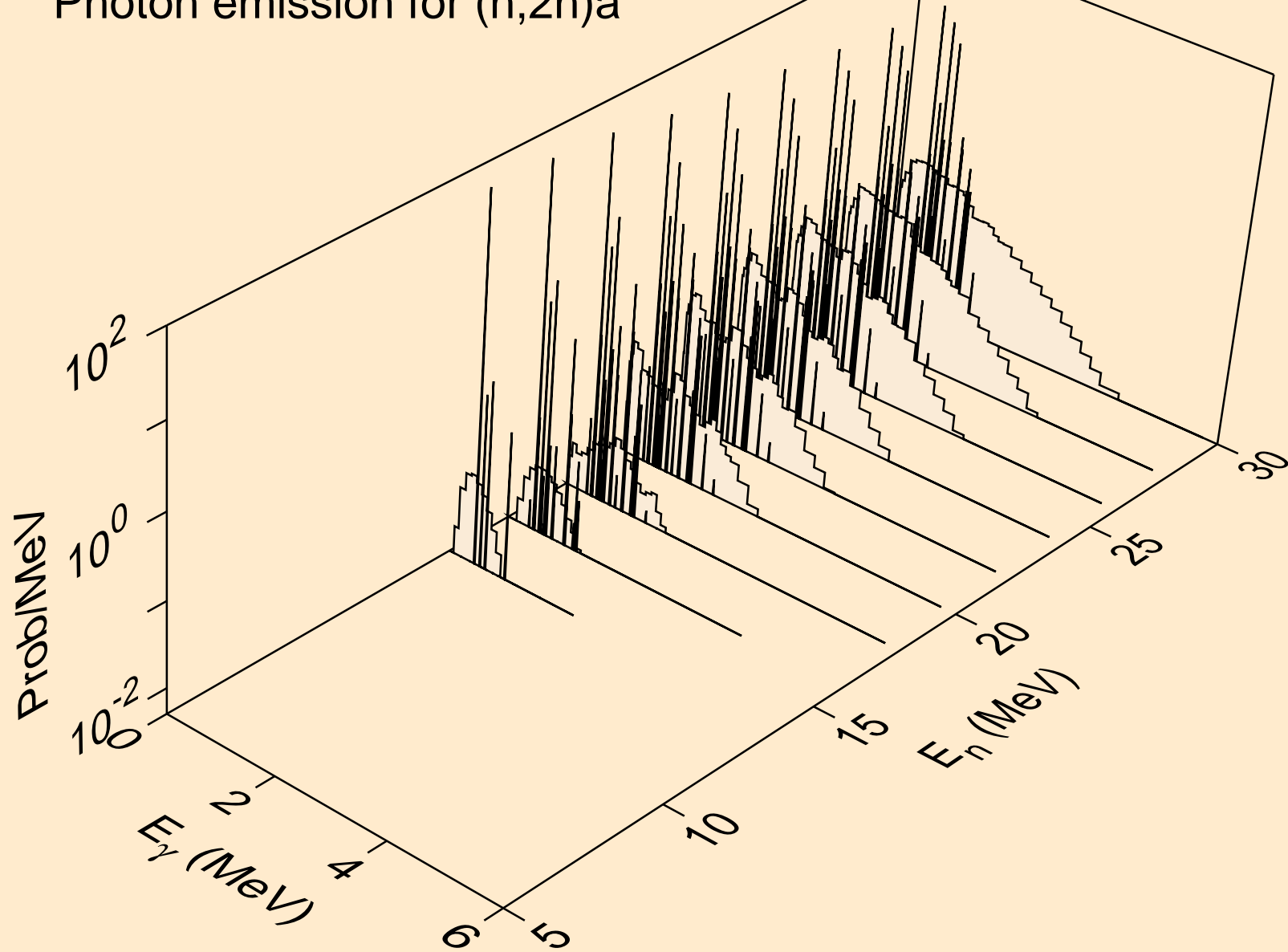


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Photon emission for (n,n\*)a

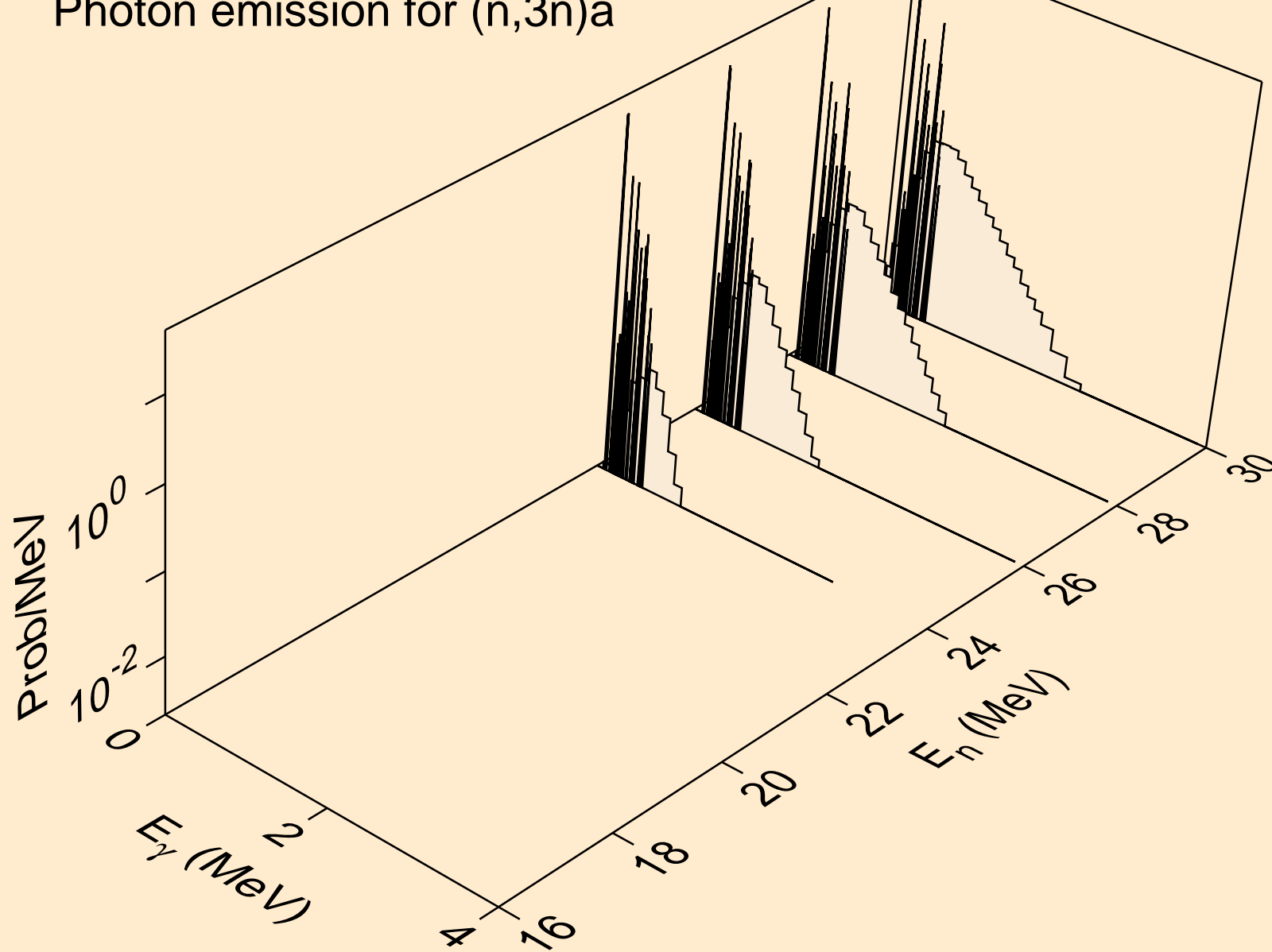




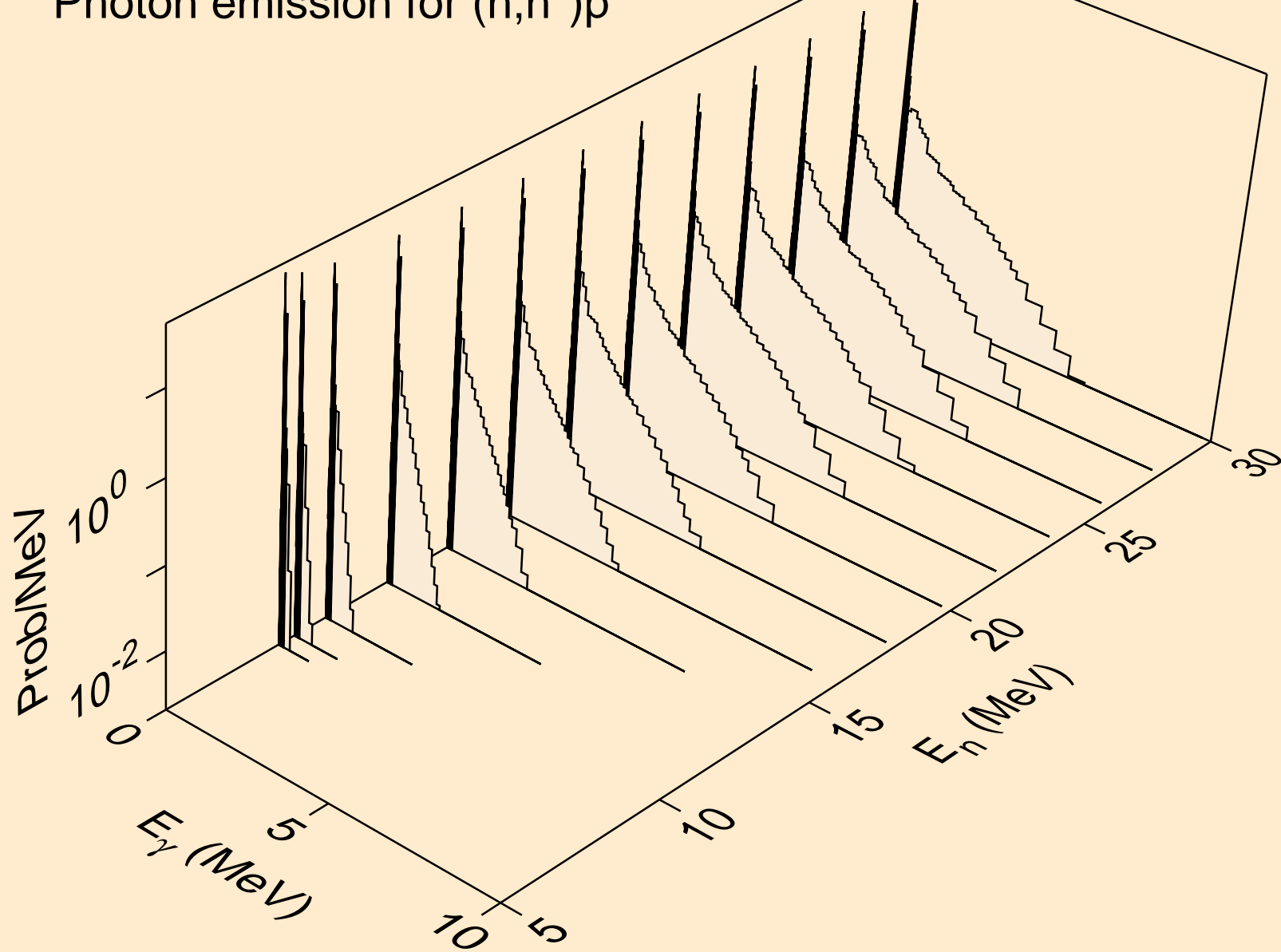
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Photon emission for (n,2n)a



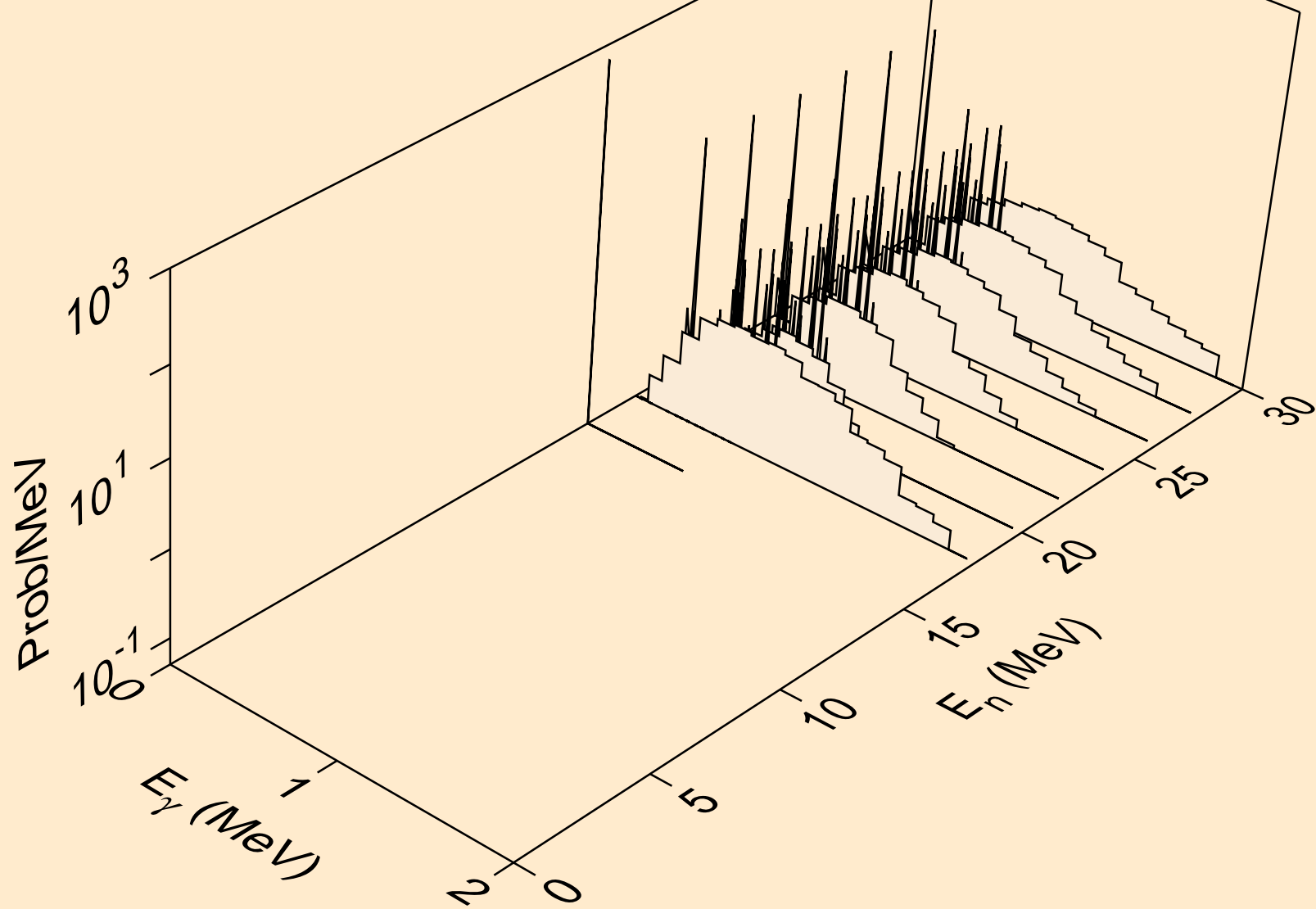
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Photon emission for (n,3n)a



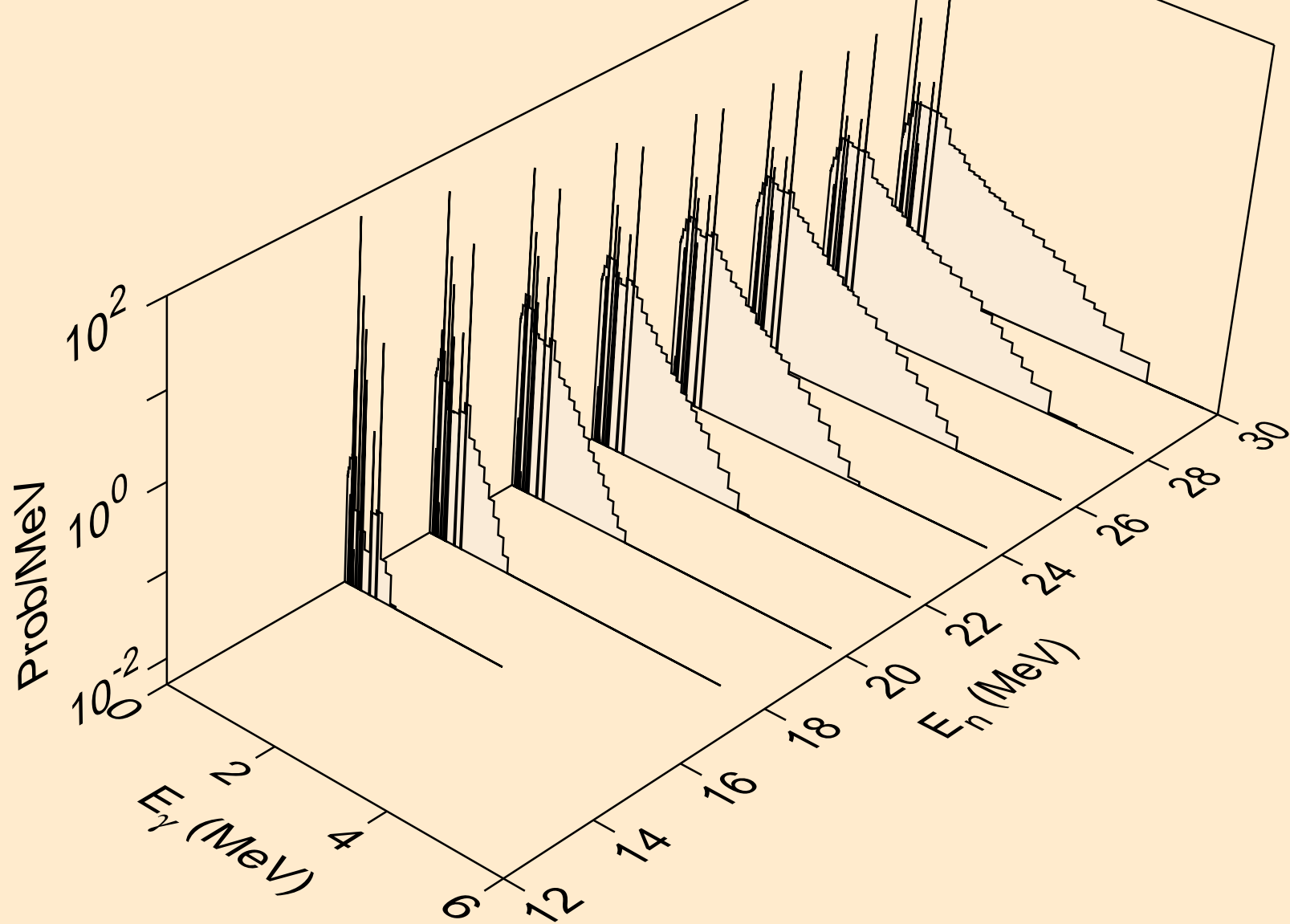
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Photon emission for (n,n\*)p



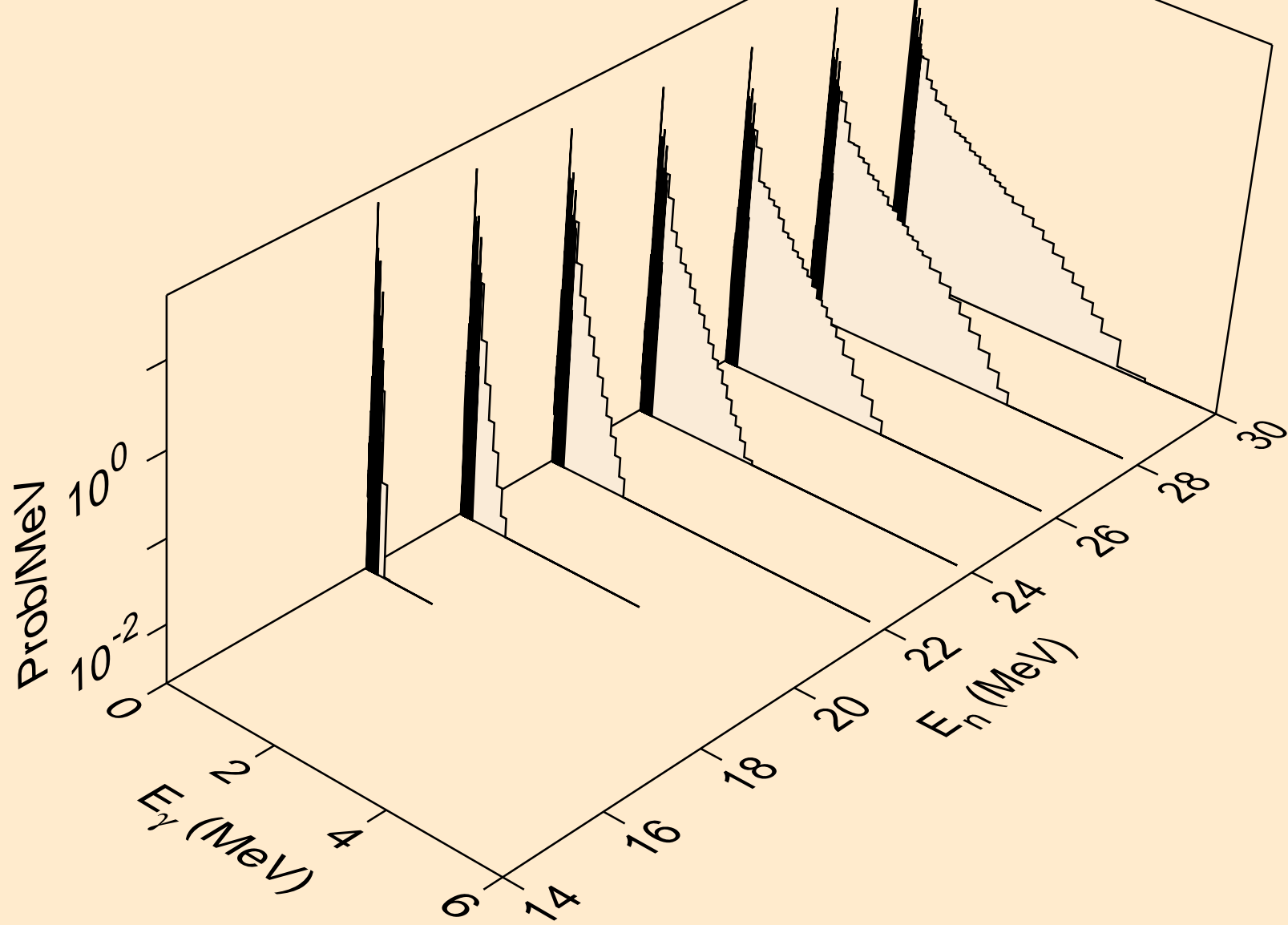
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Photon emission for (n,n\*)2a



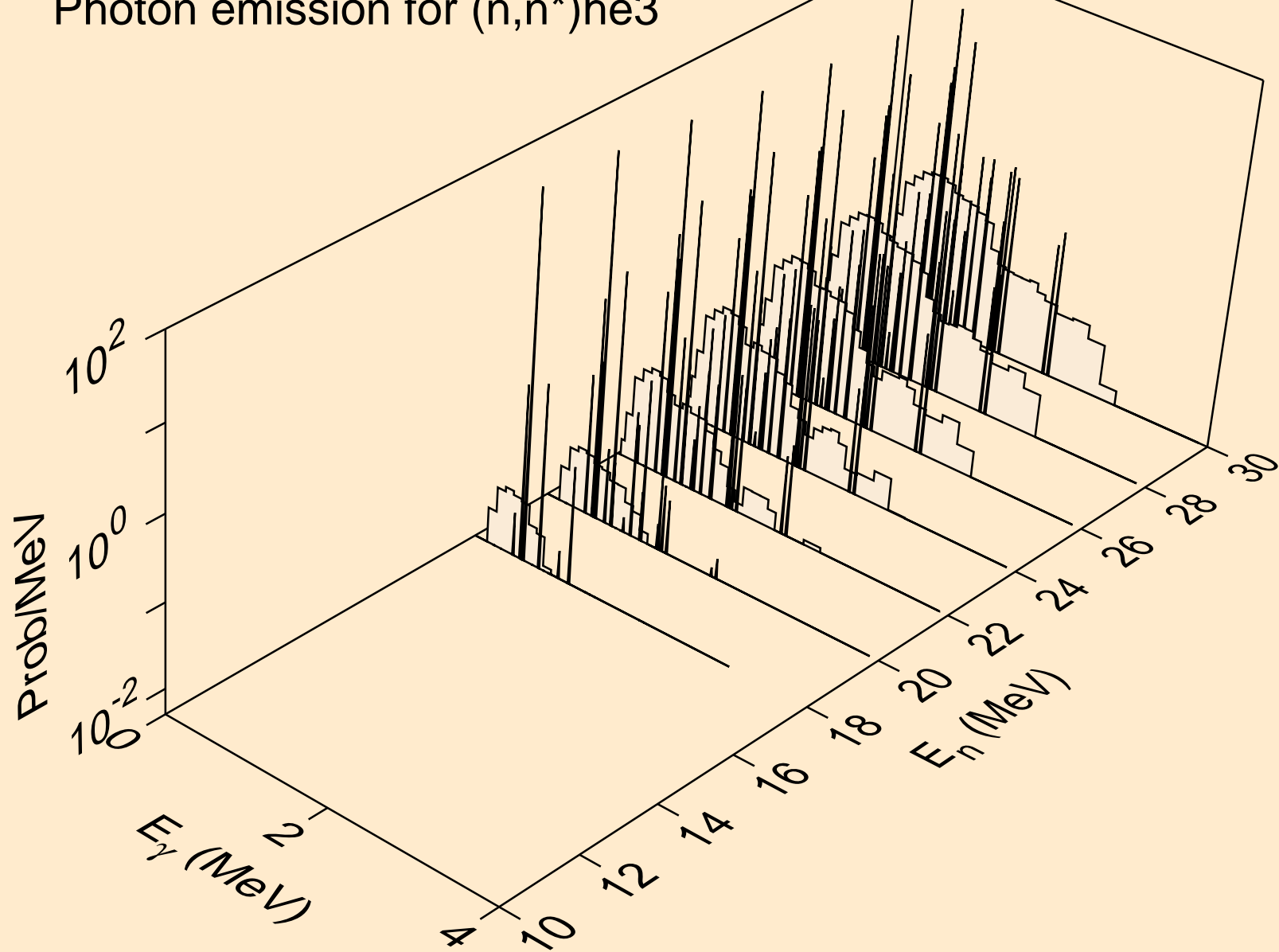
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Photon emission for (n,n\*)d



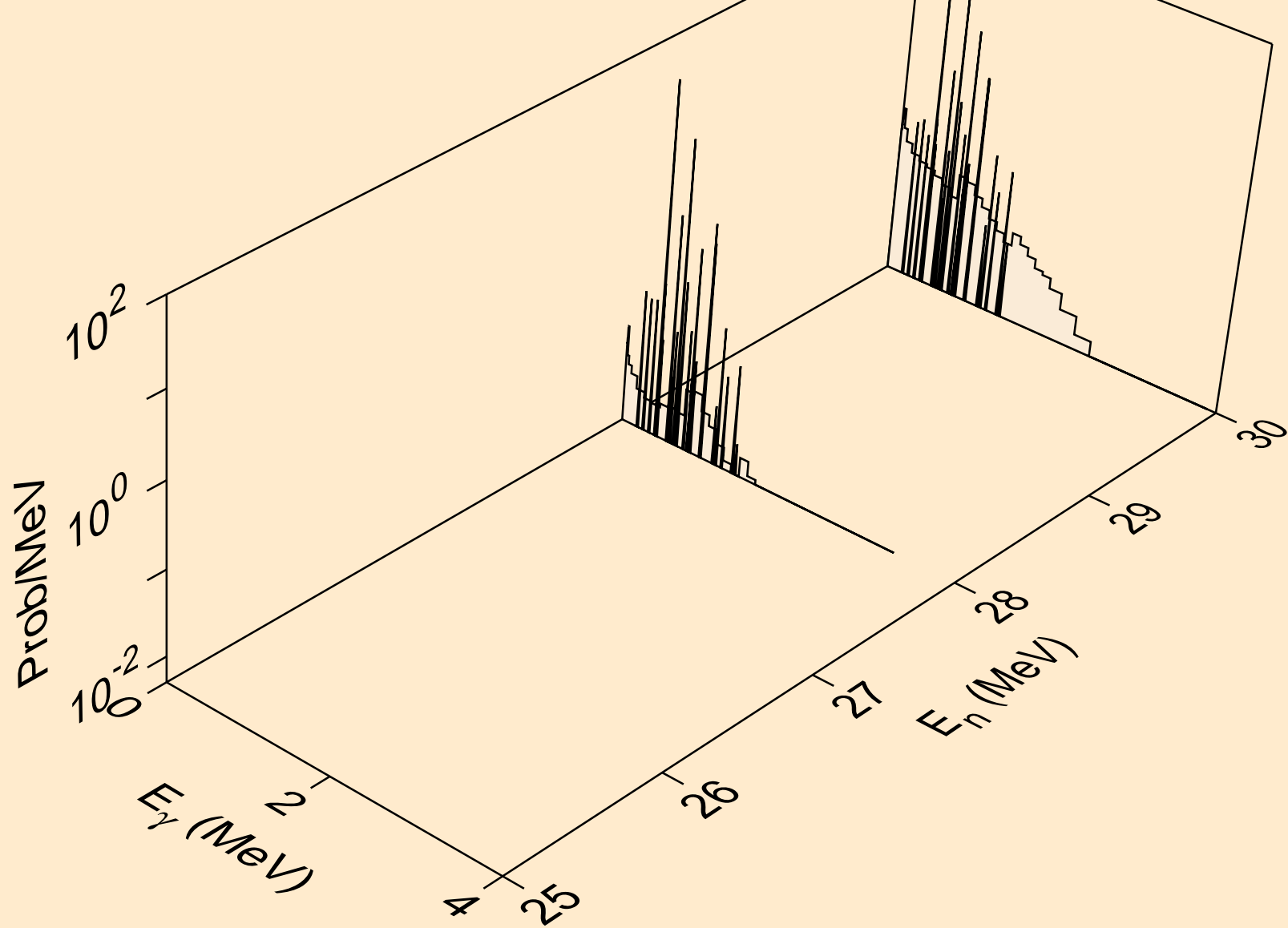
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3

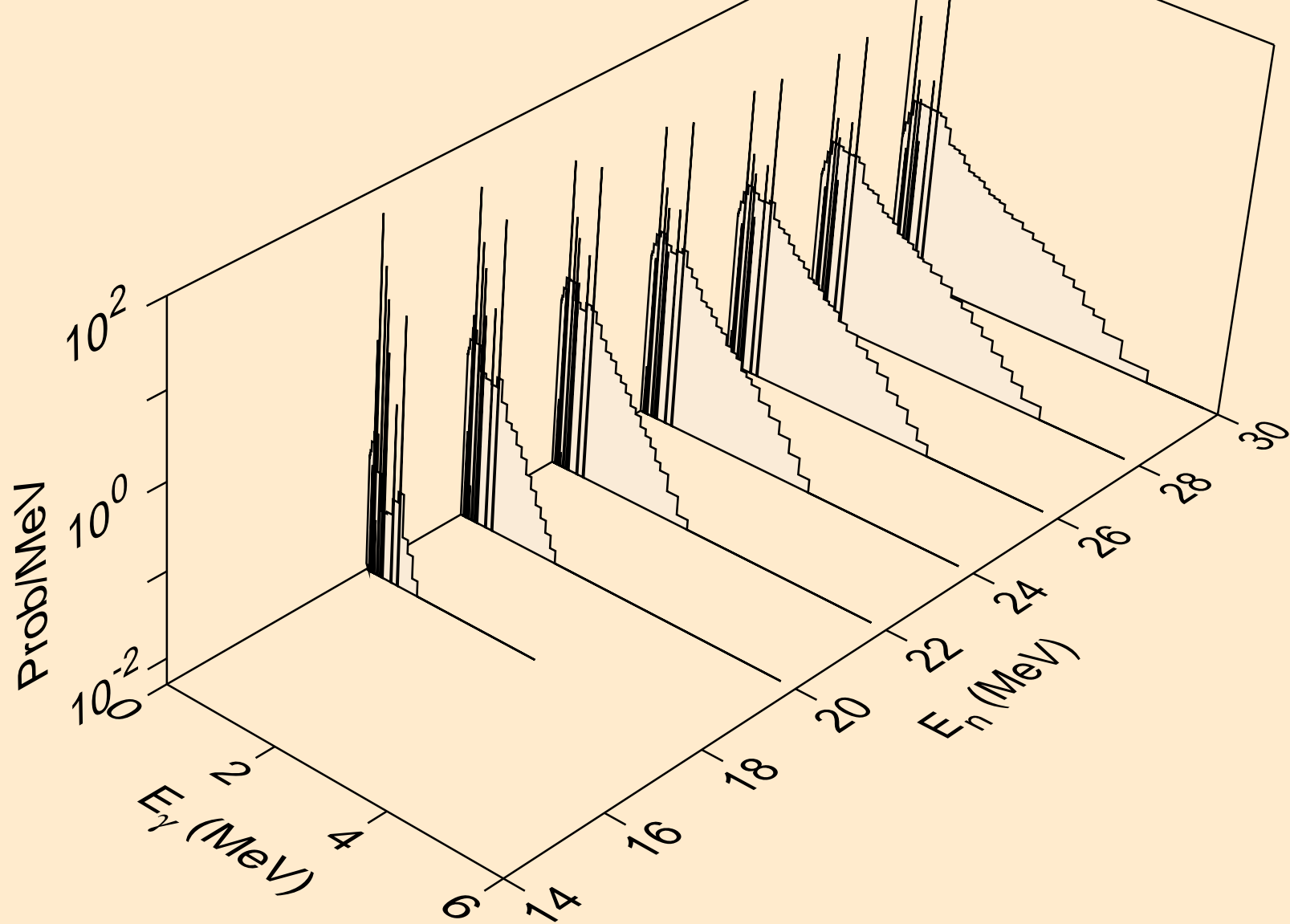


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Photon emission for (n,4n)

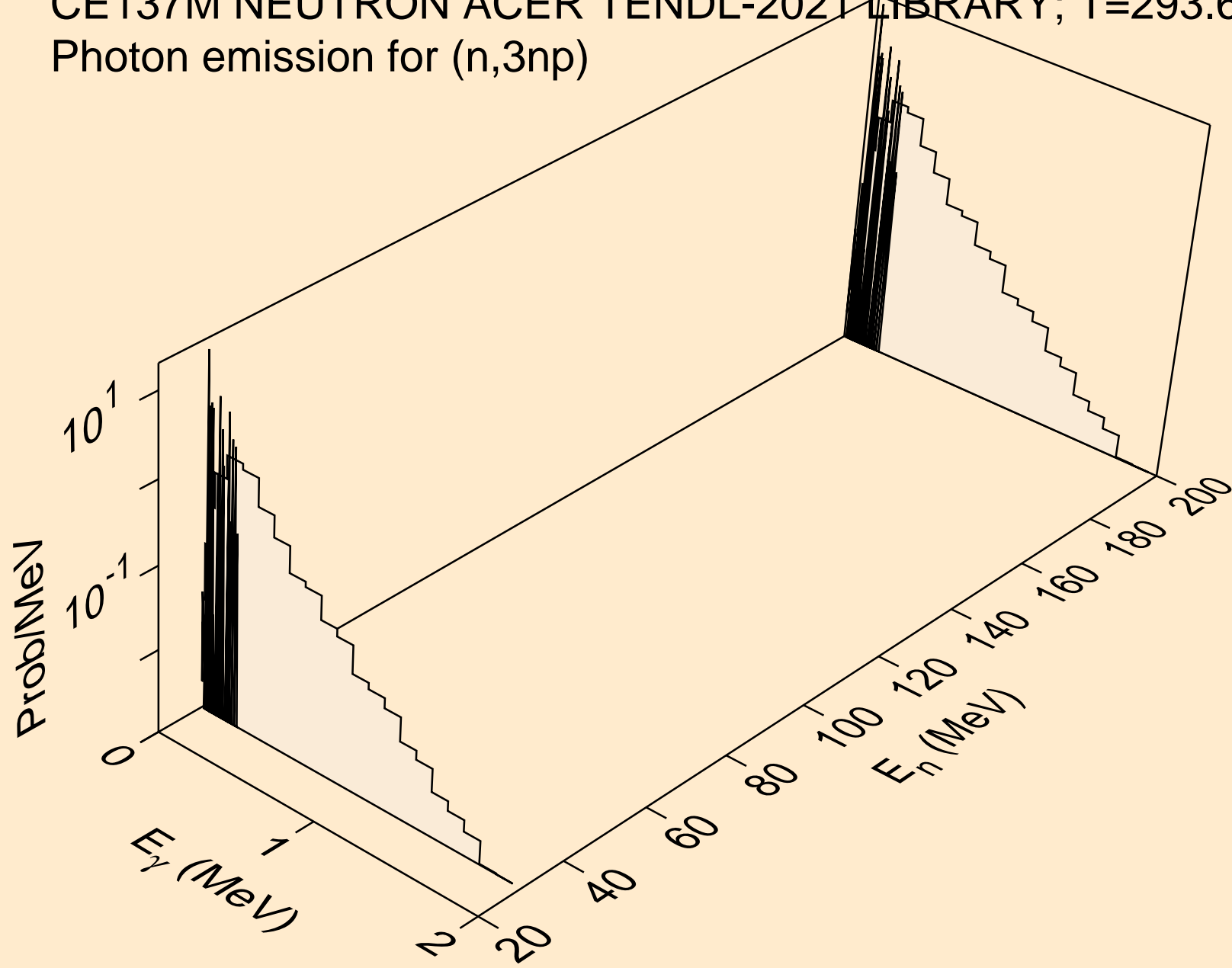




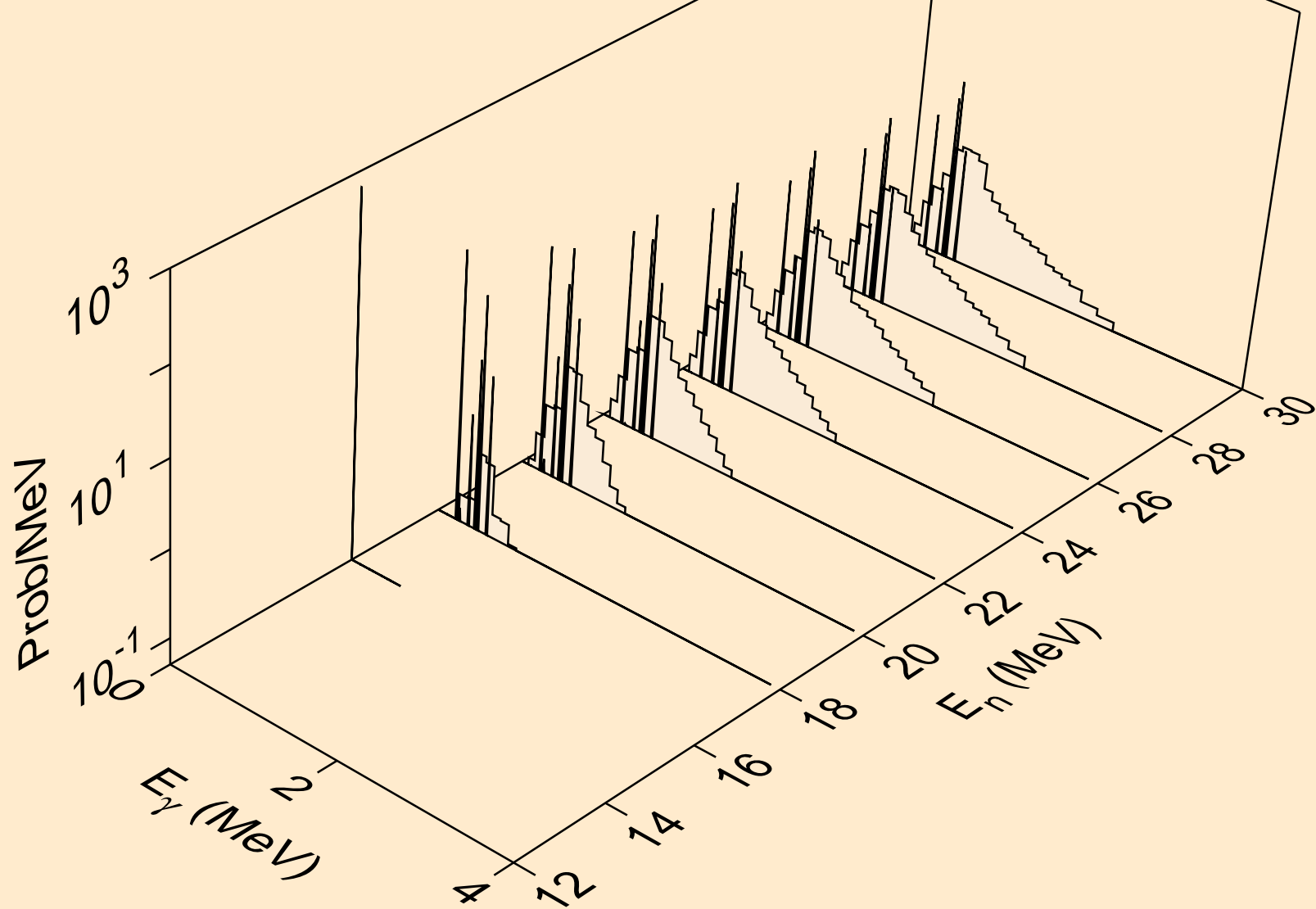
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Photon emission for (n,2np)



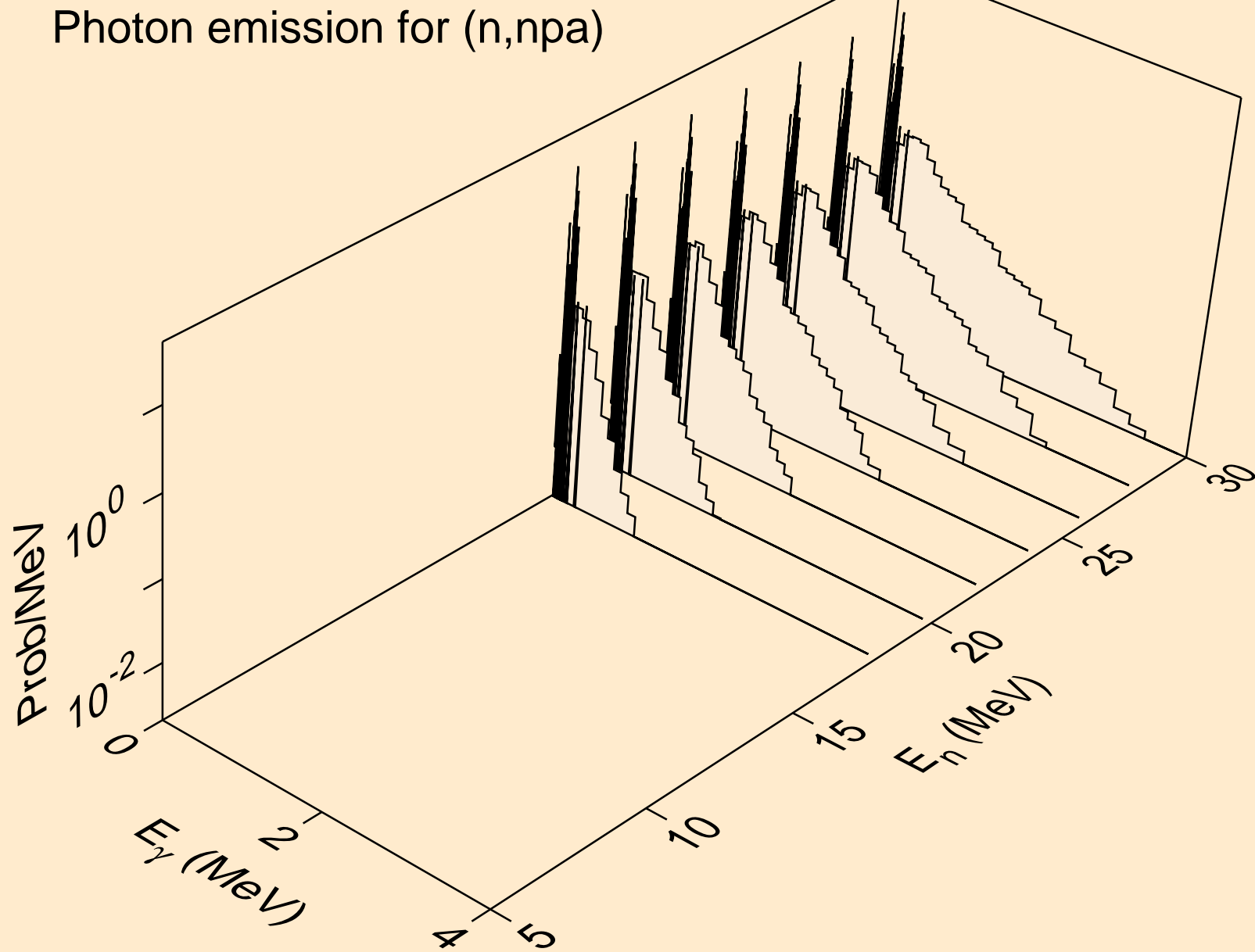
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Photon emission for (n,3np)



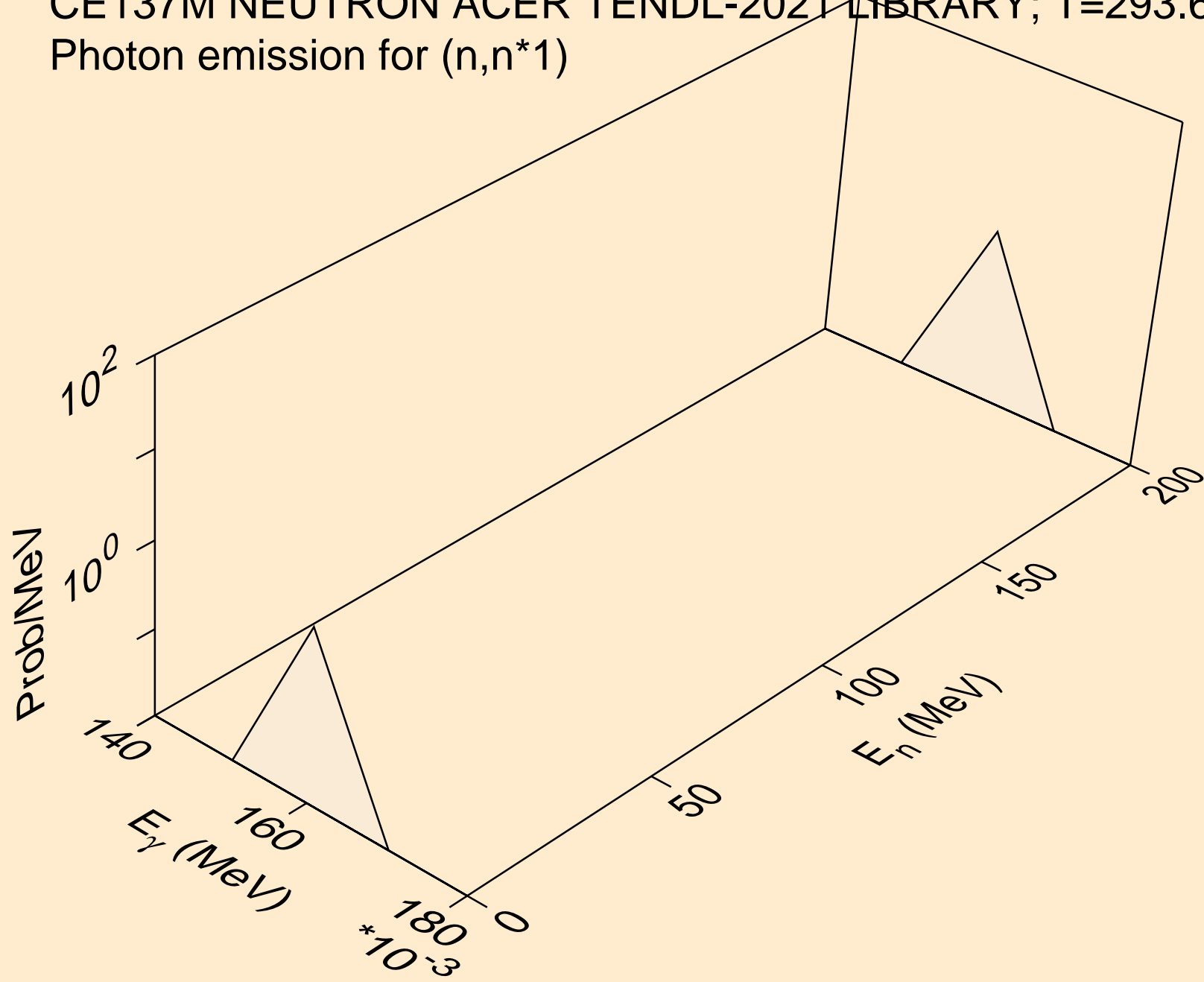
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Photon emission for (n,2np)



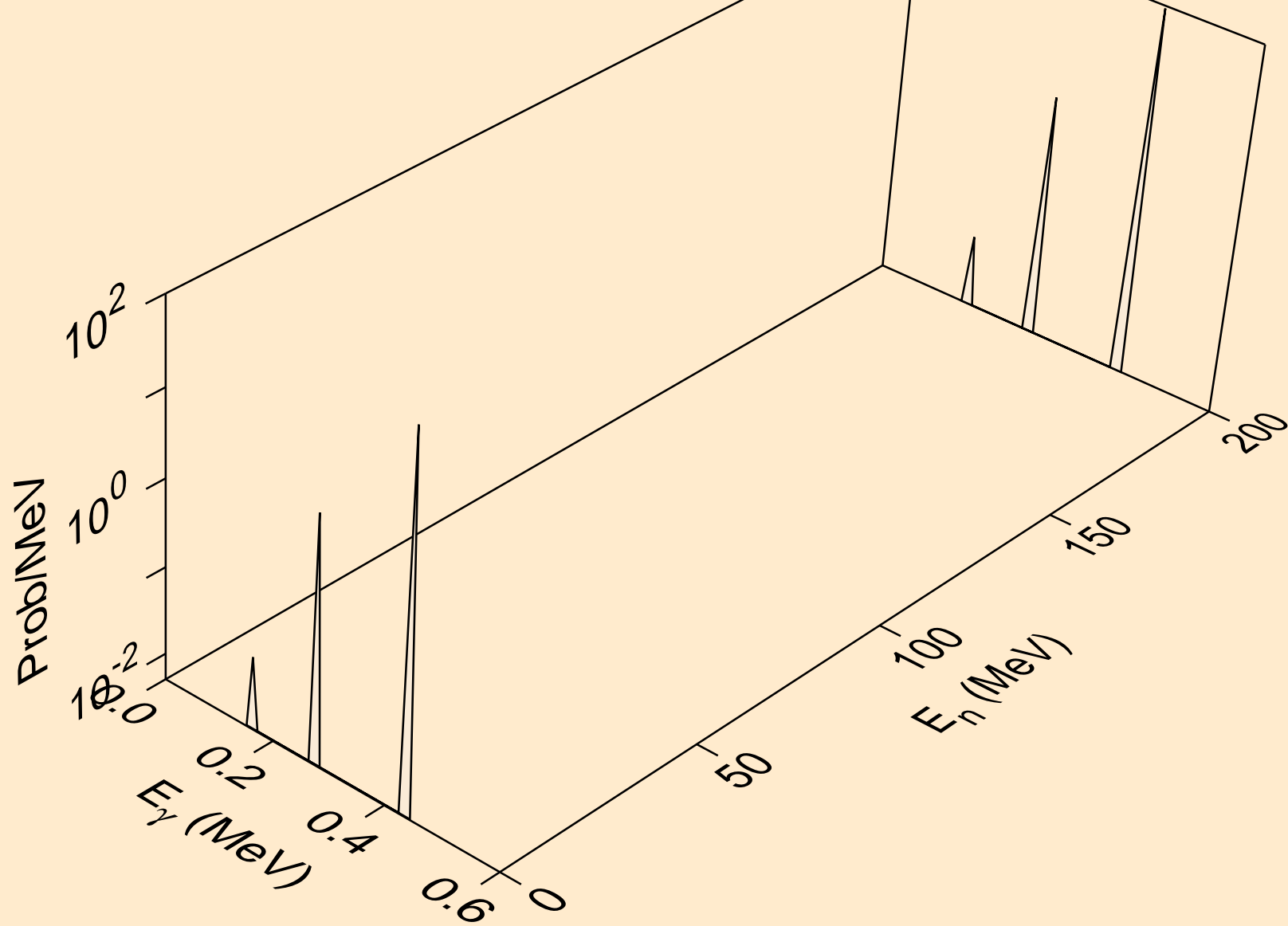
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Photon emission for (n,npa)



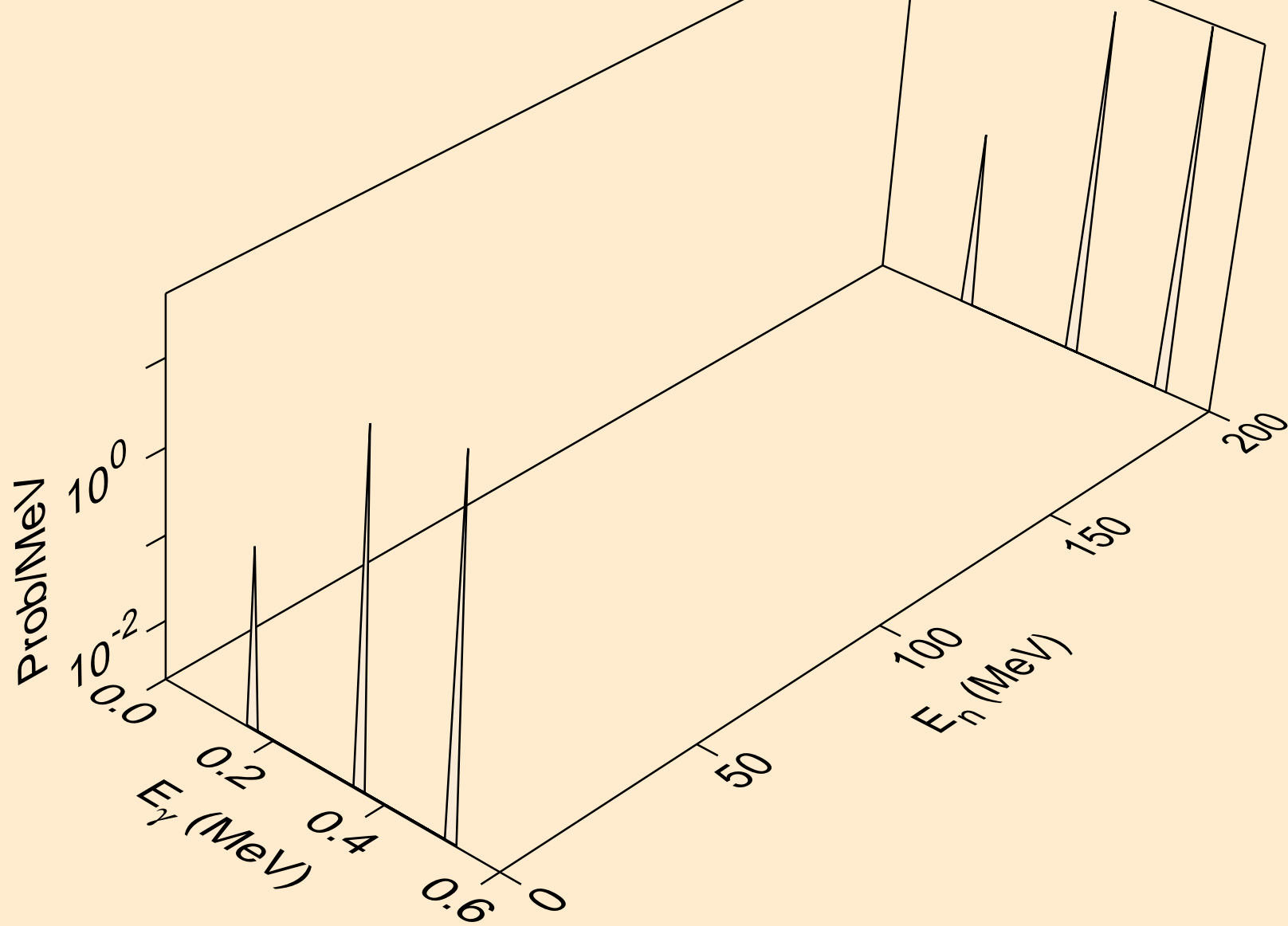
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Photon emission for (n,n\*1)



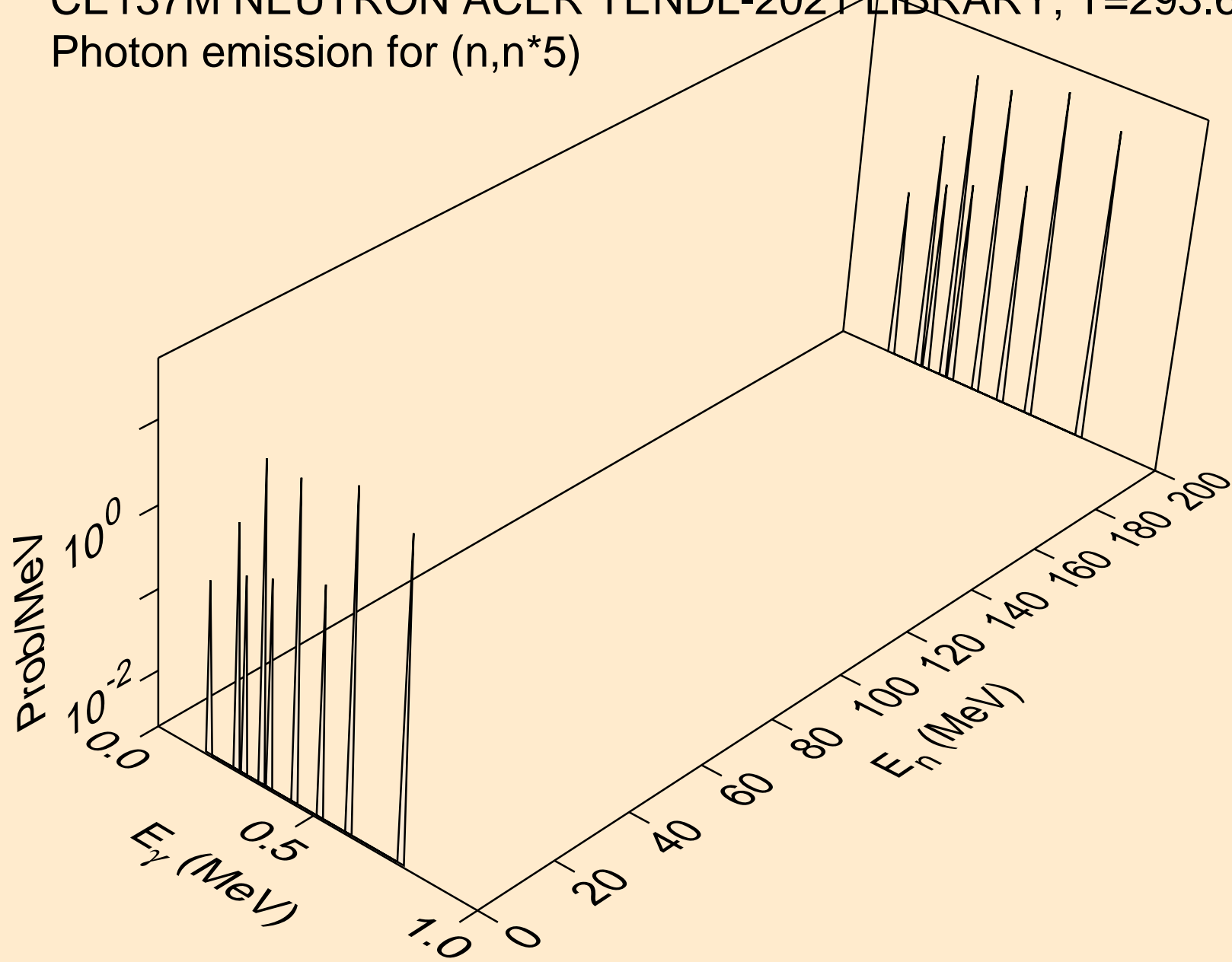
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*3)



CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*4)

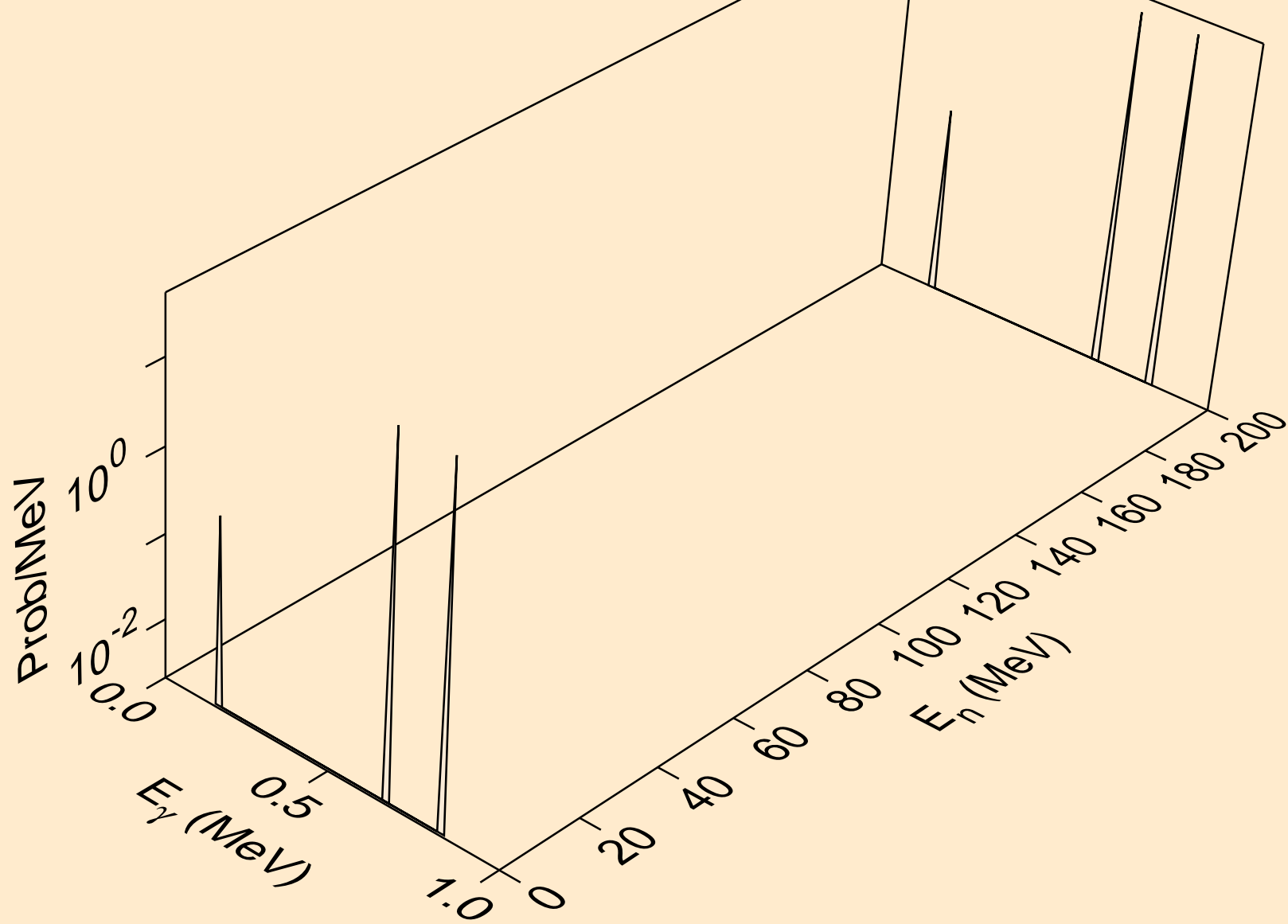


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Photon emission for (n,n\*5)

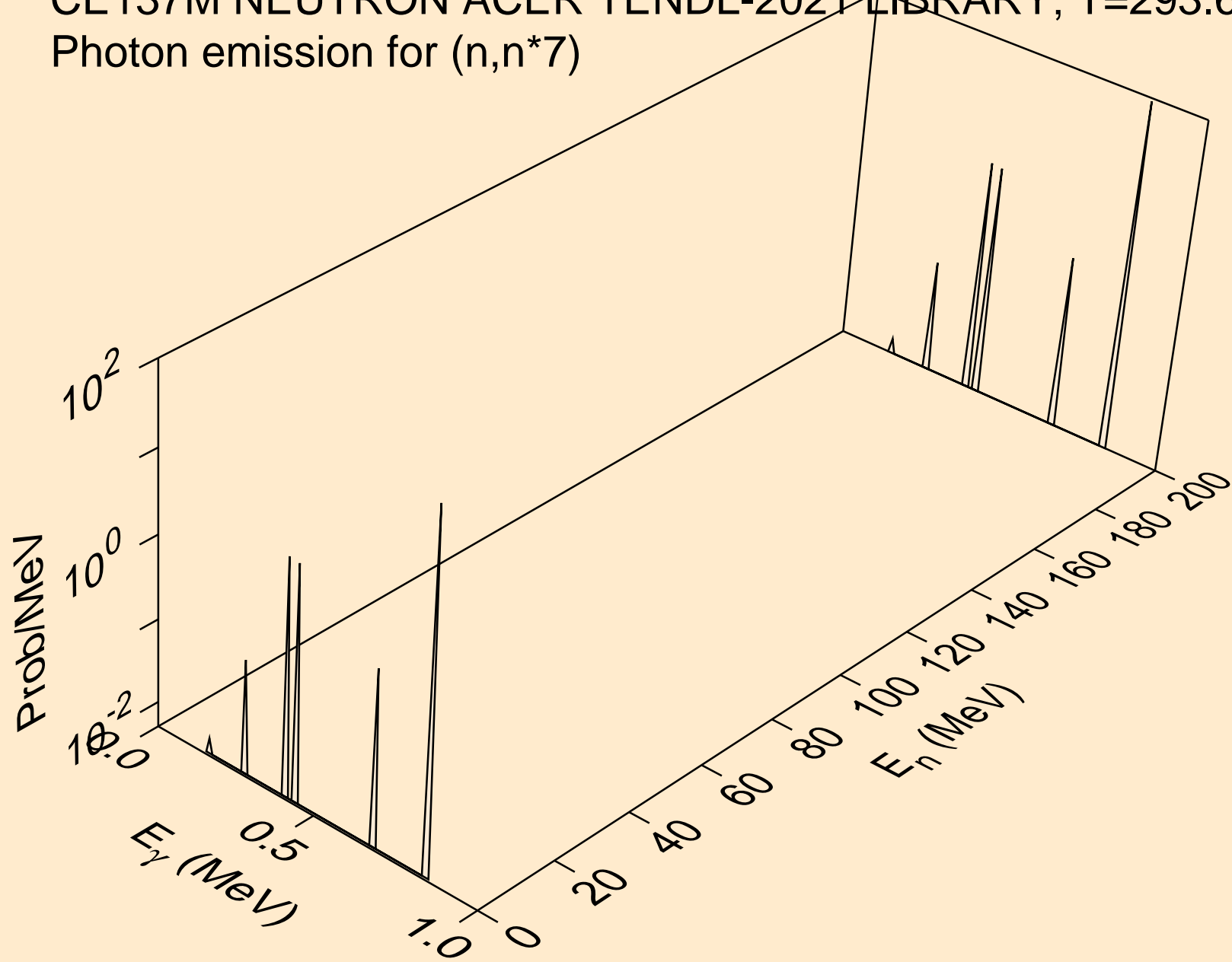




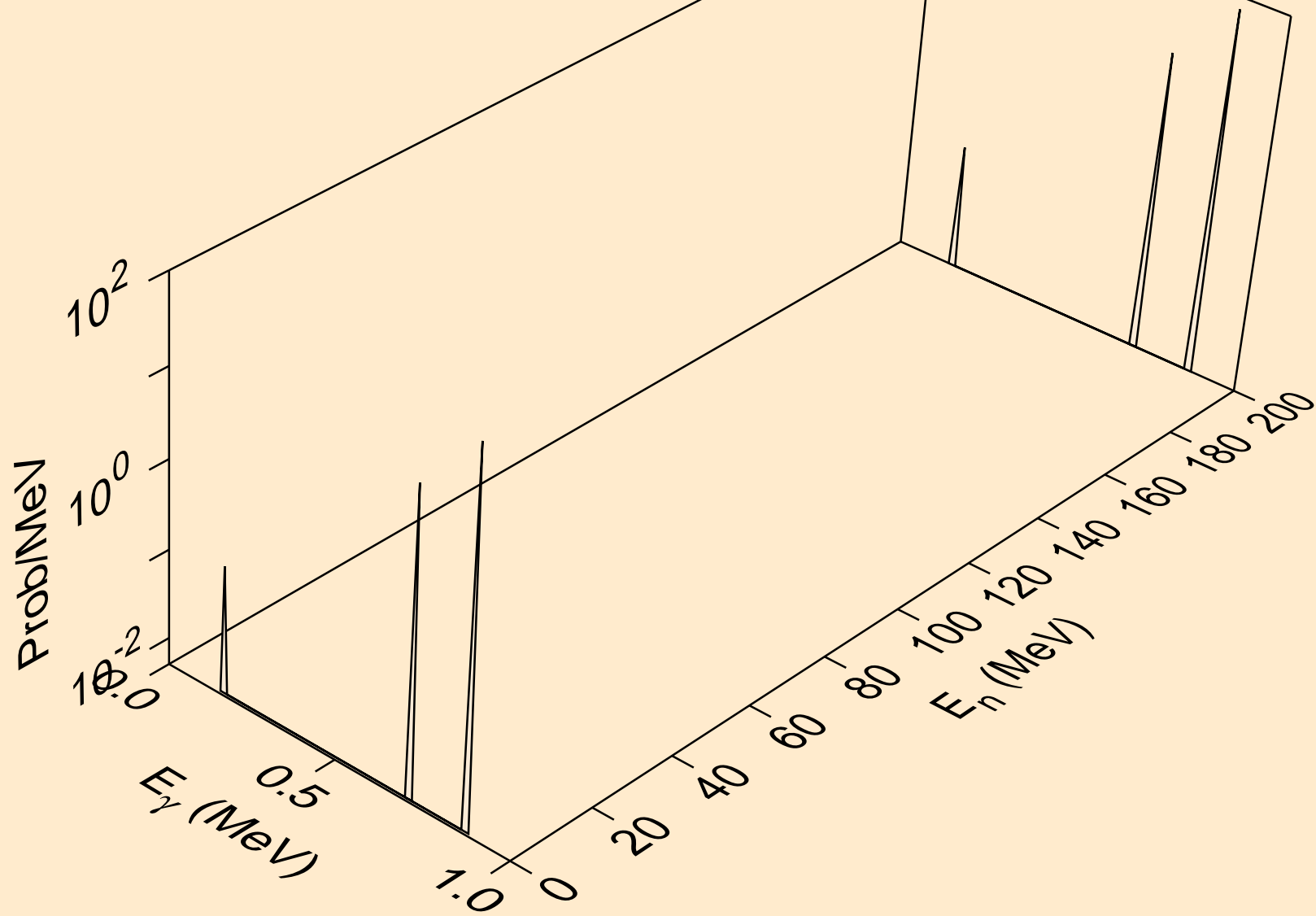
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Photon emission for (n,n\*6)



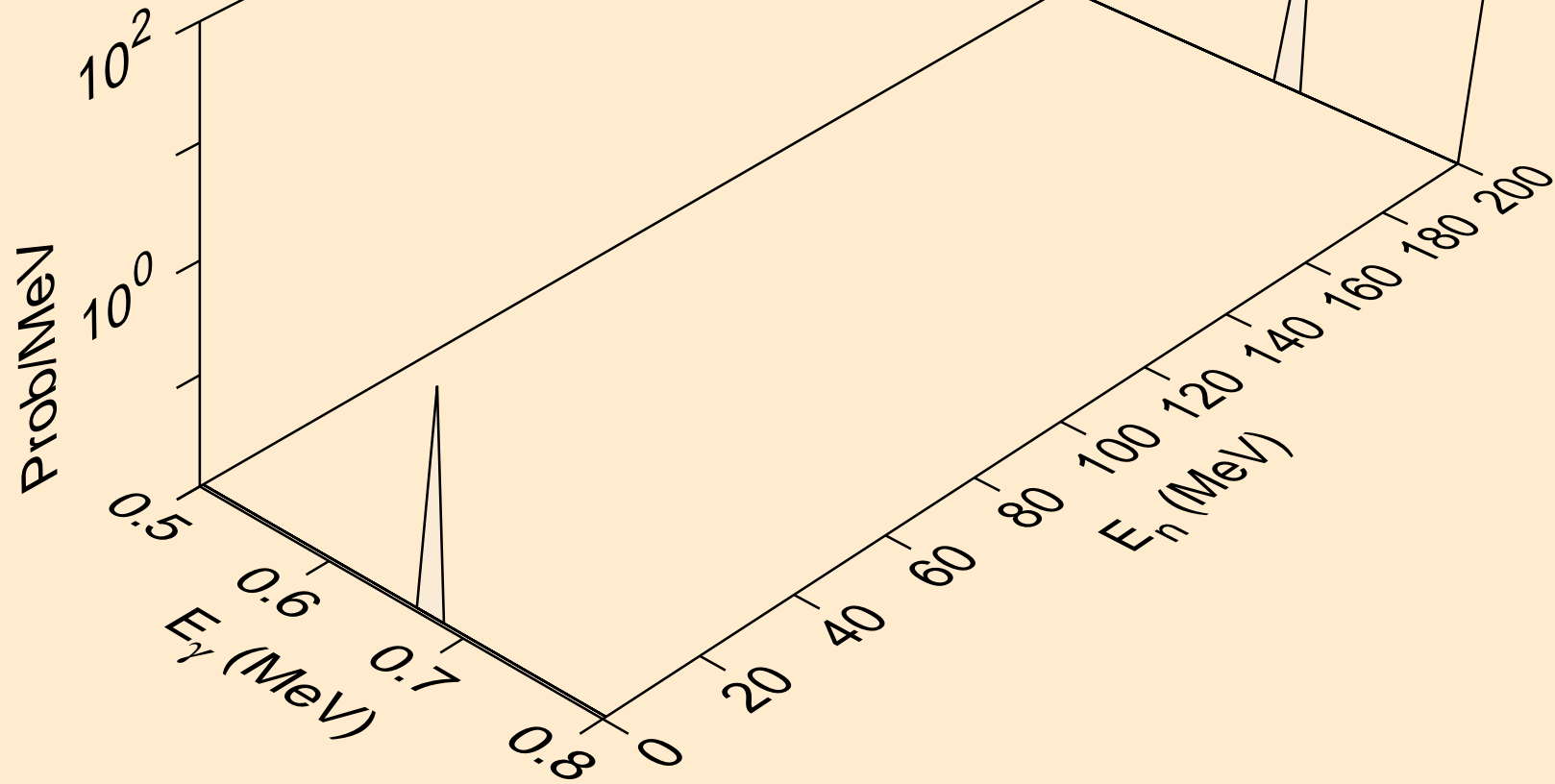
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Photon emission for (n,n\*7)



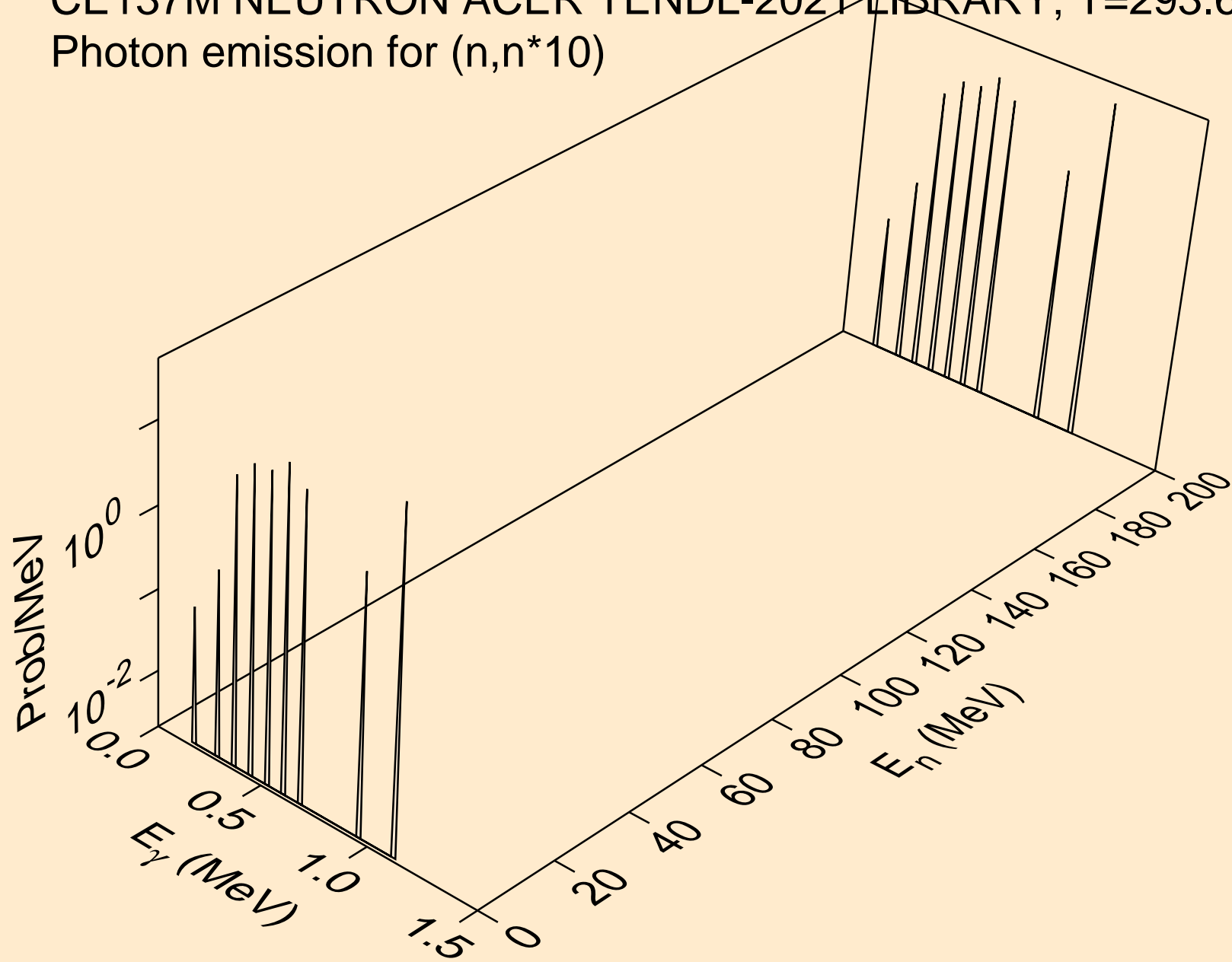
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Photon emission for (n,n\*8)



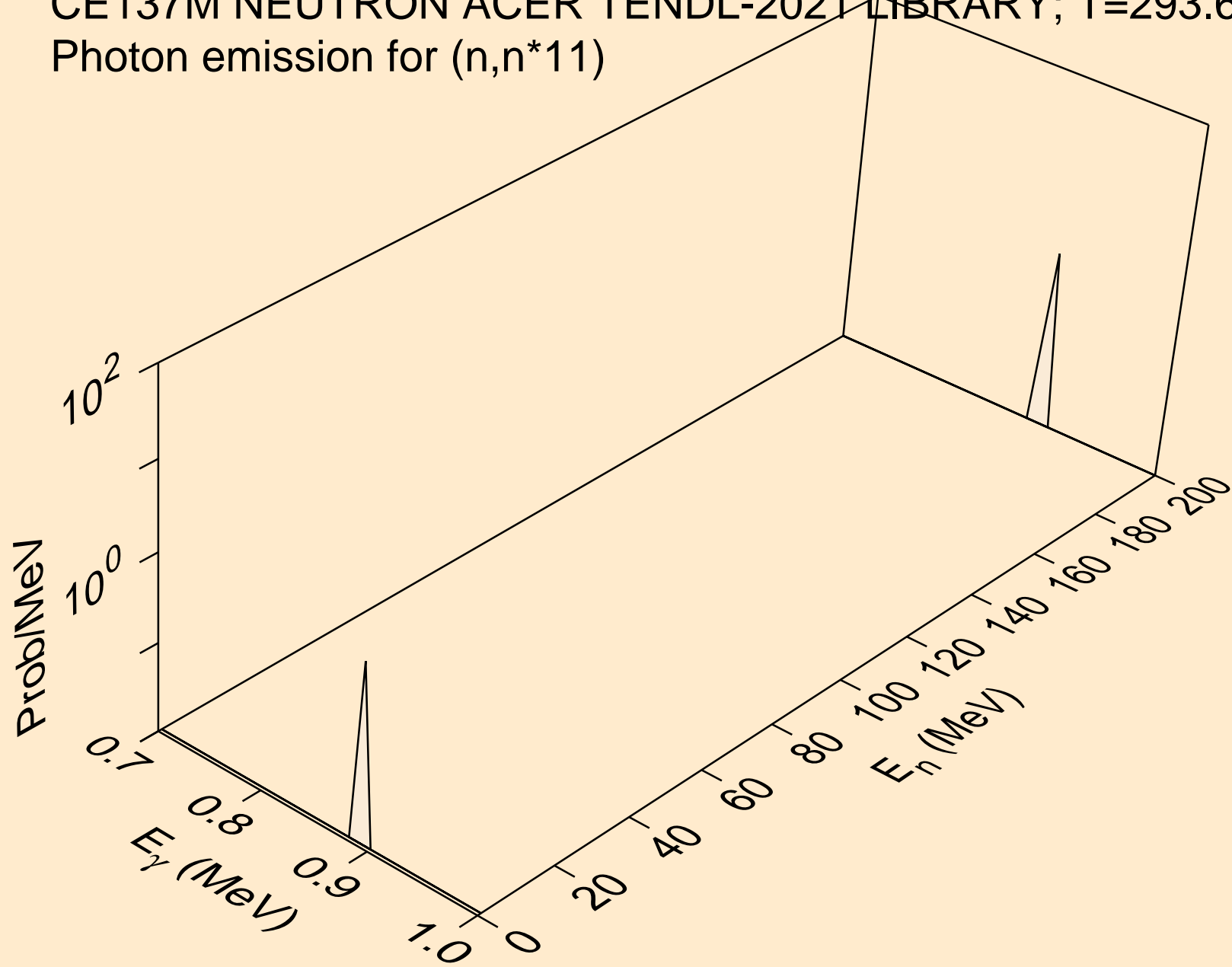
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Photon emission for (n,n\*9)



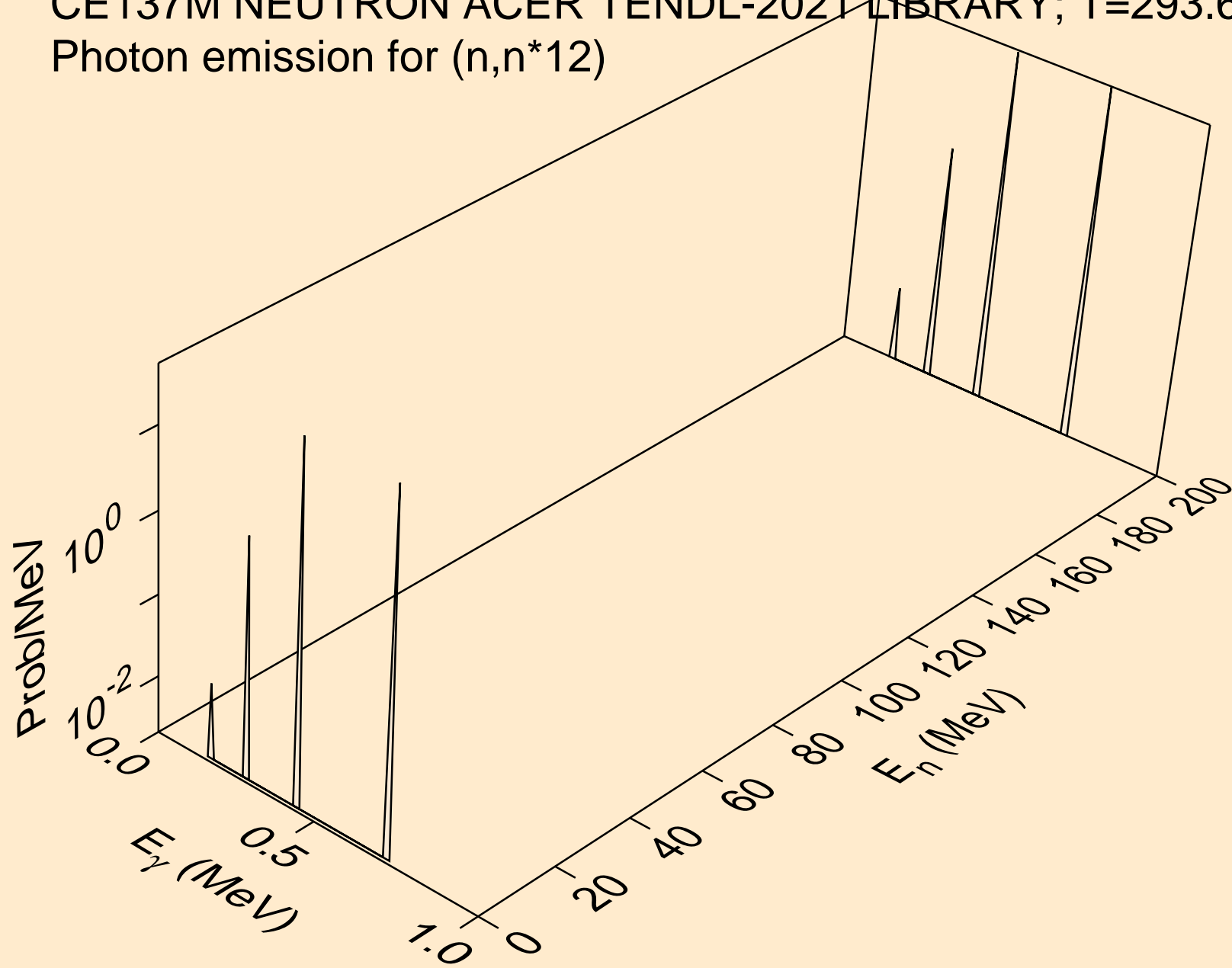
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Photon emission for (n,n\*10)



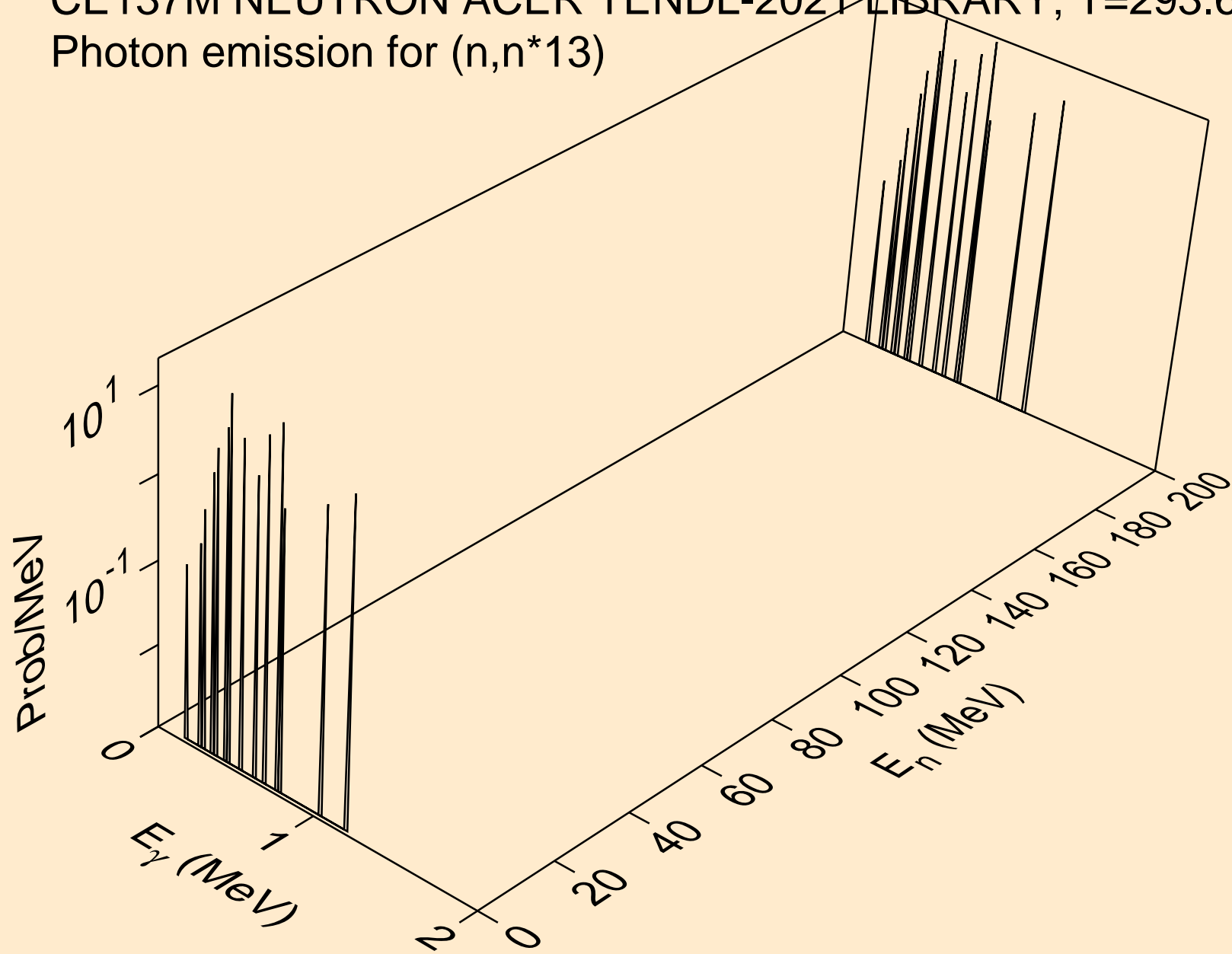
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Photon emission for (n,n\*11)



CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*12)

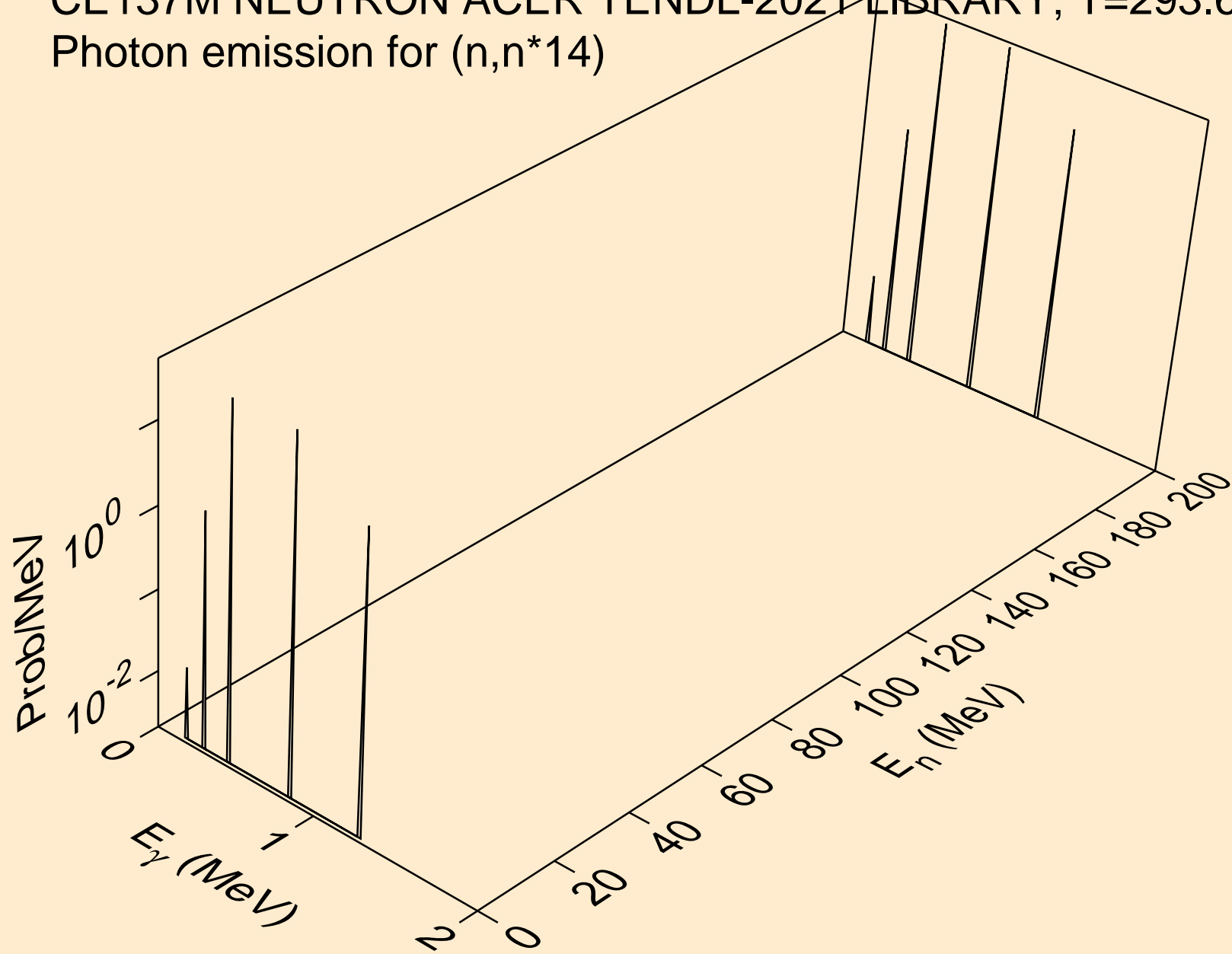


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Photon emission for (n,n\*13)

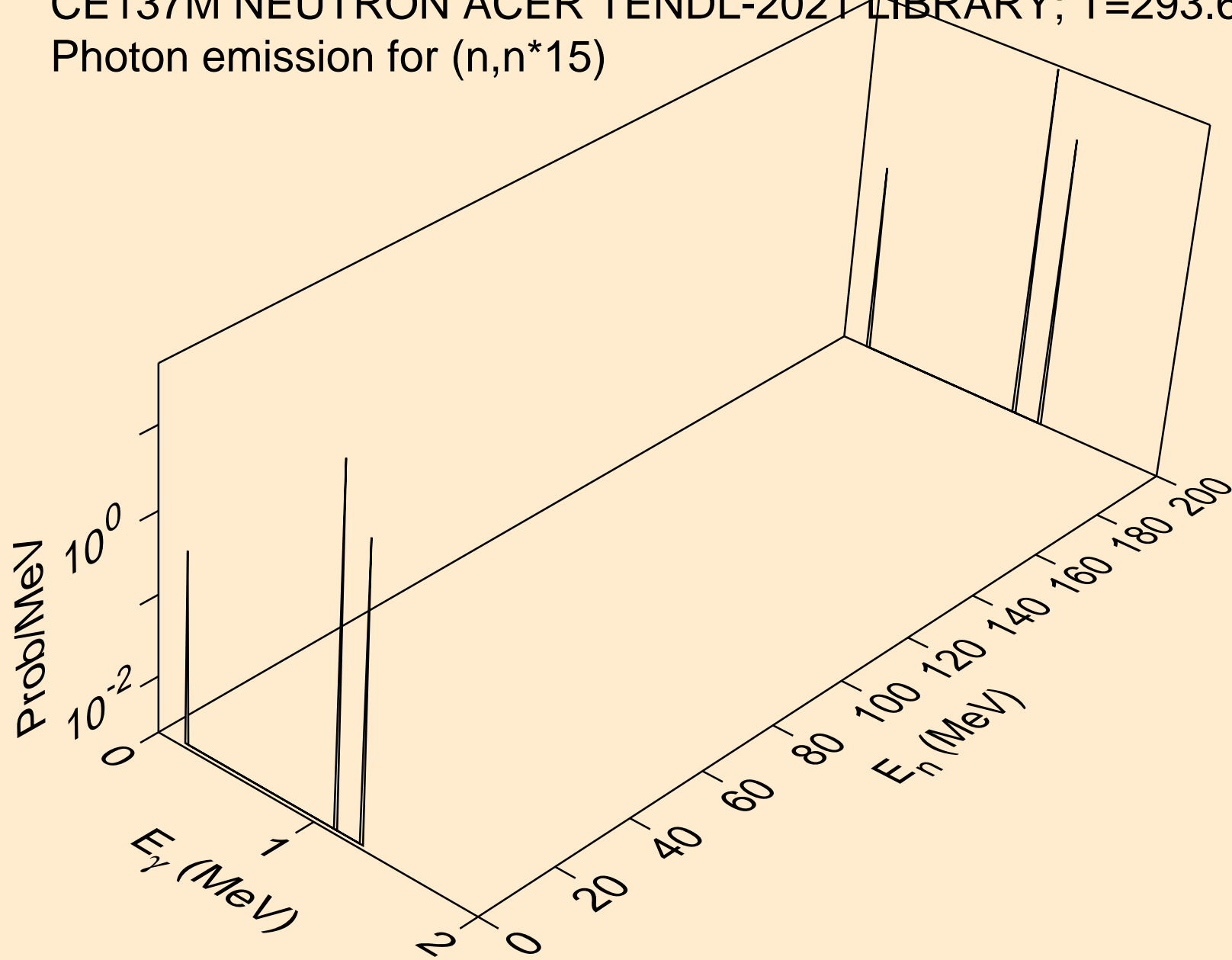




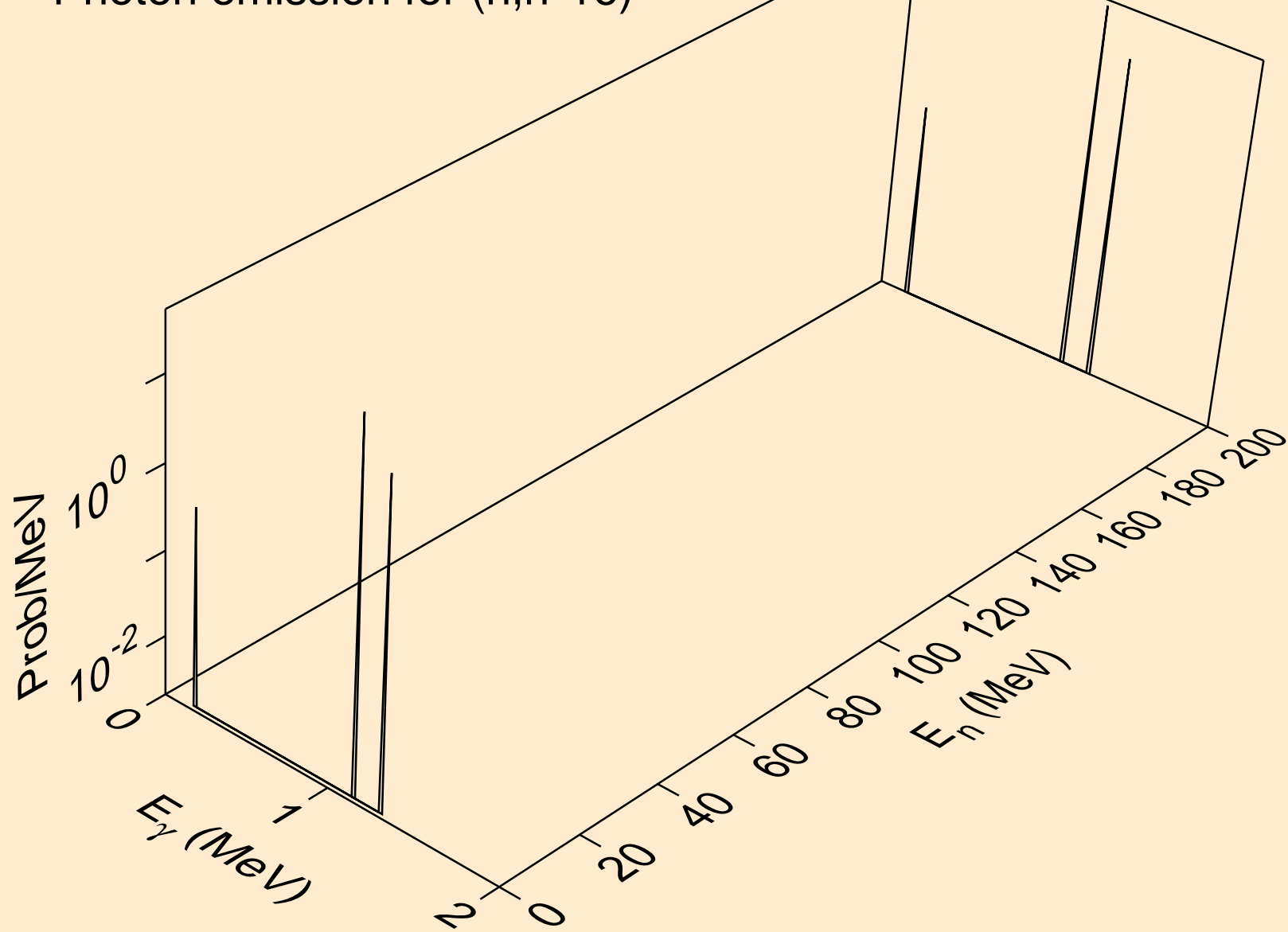
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Photon emission for (n,n\*14)



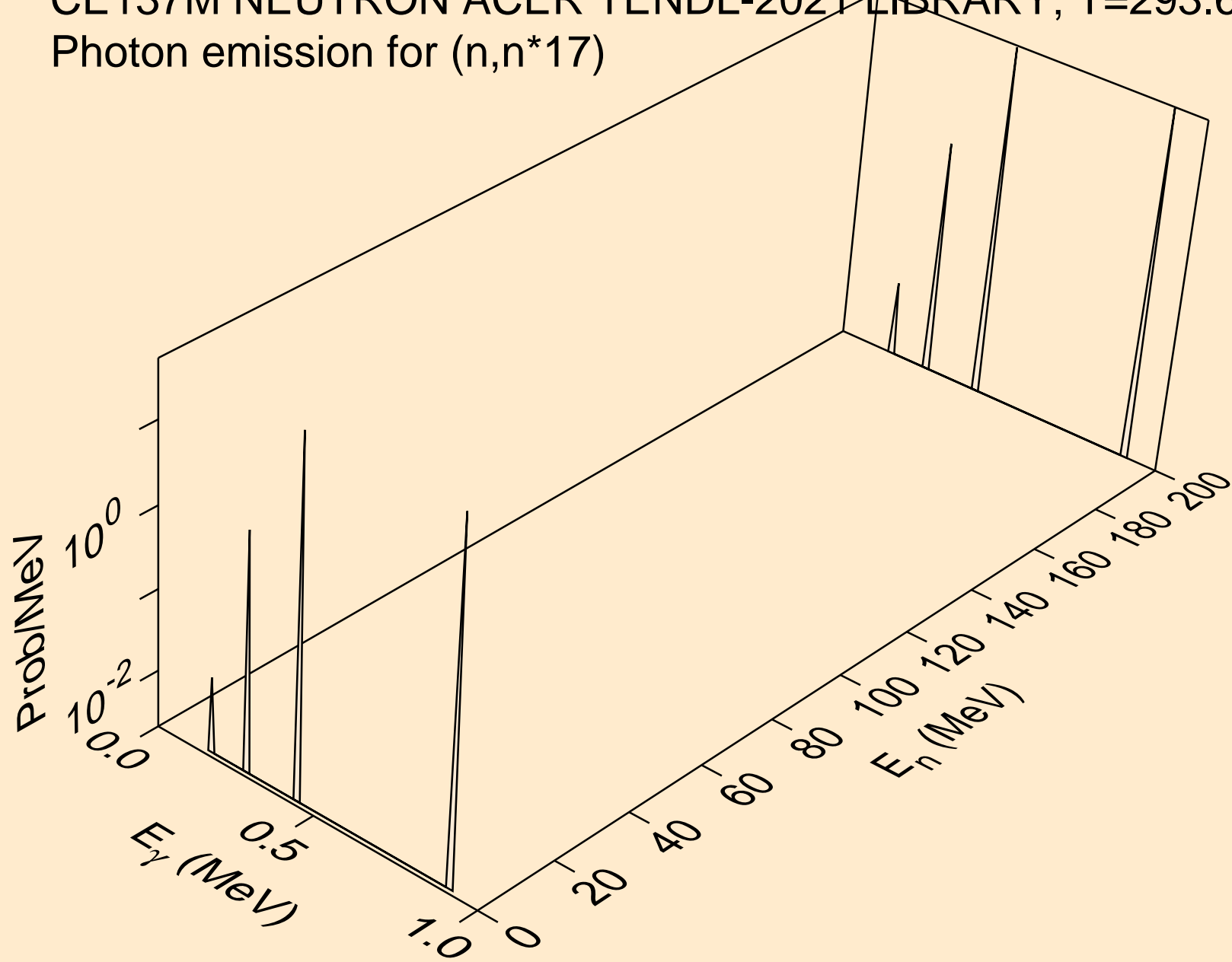
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Photon emission for (n,n\*15)



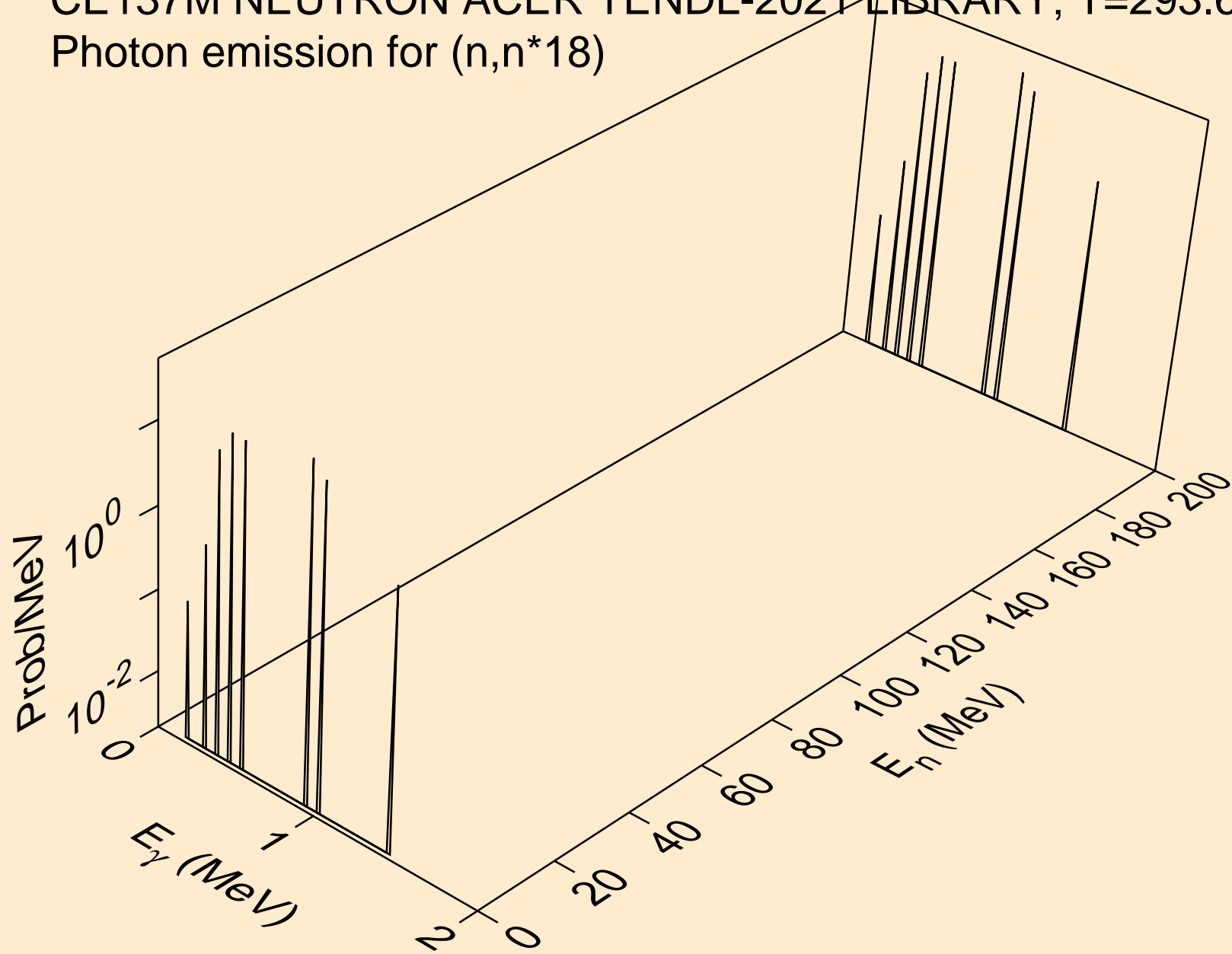
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Photon emission for (n,n\*16)



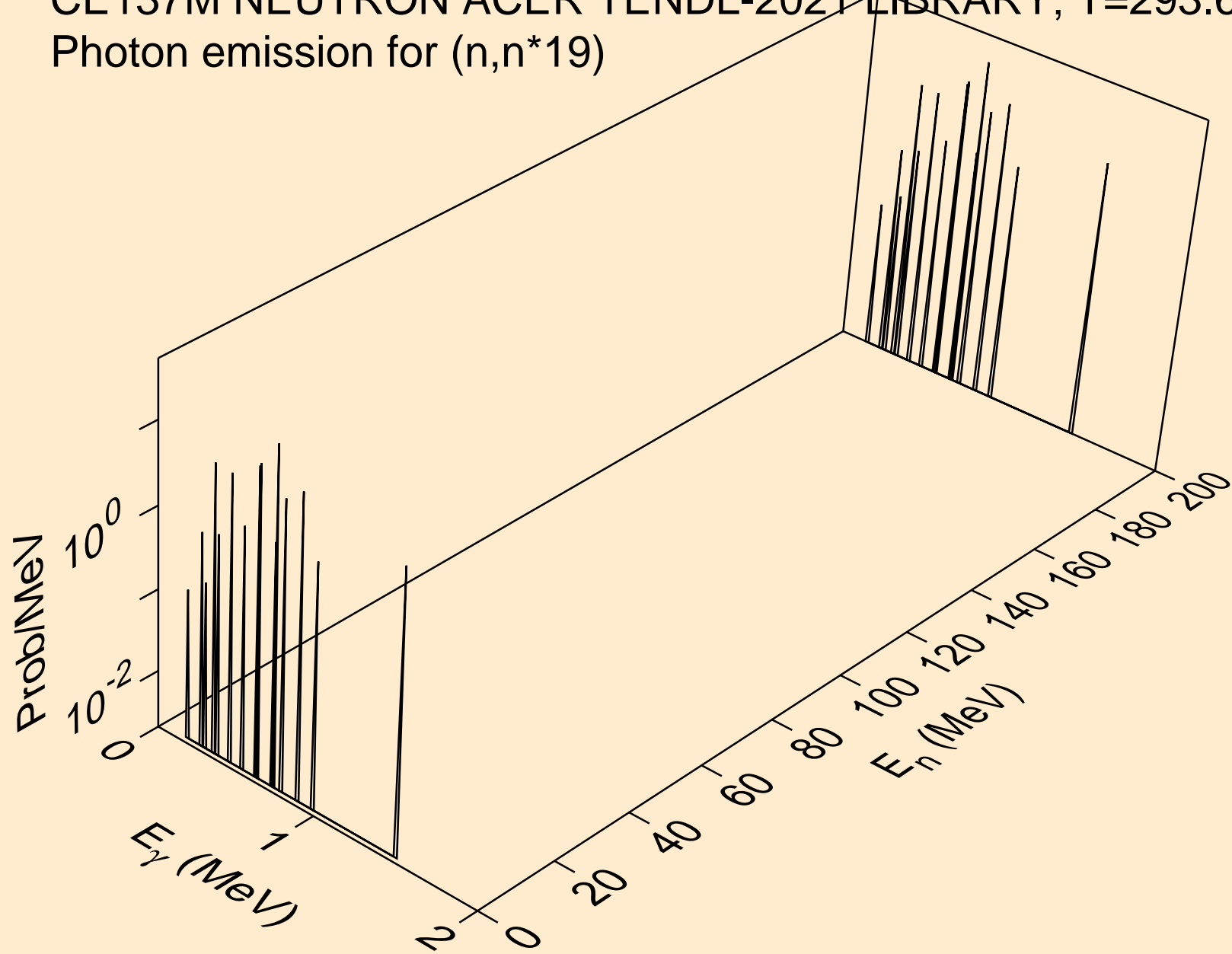
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Photon emission for (n,n\*17)



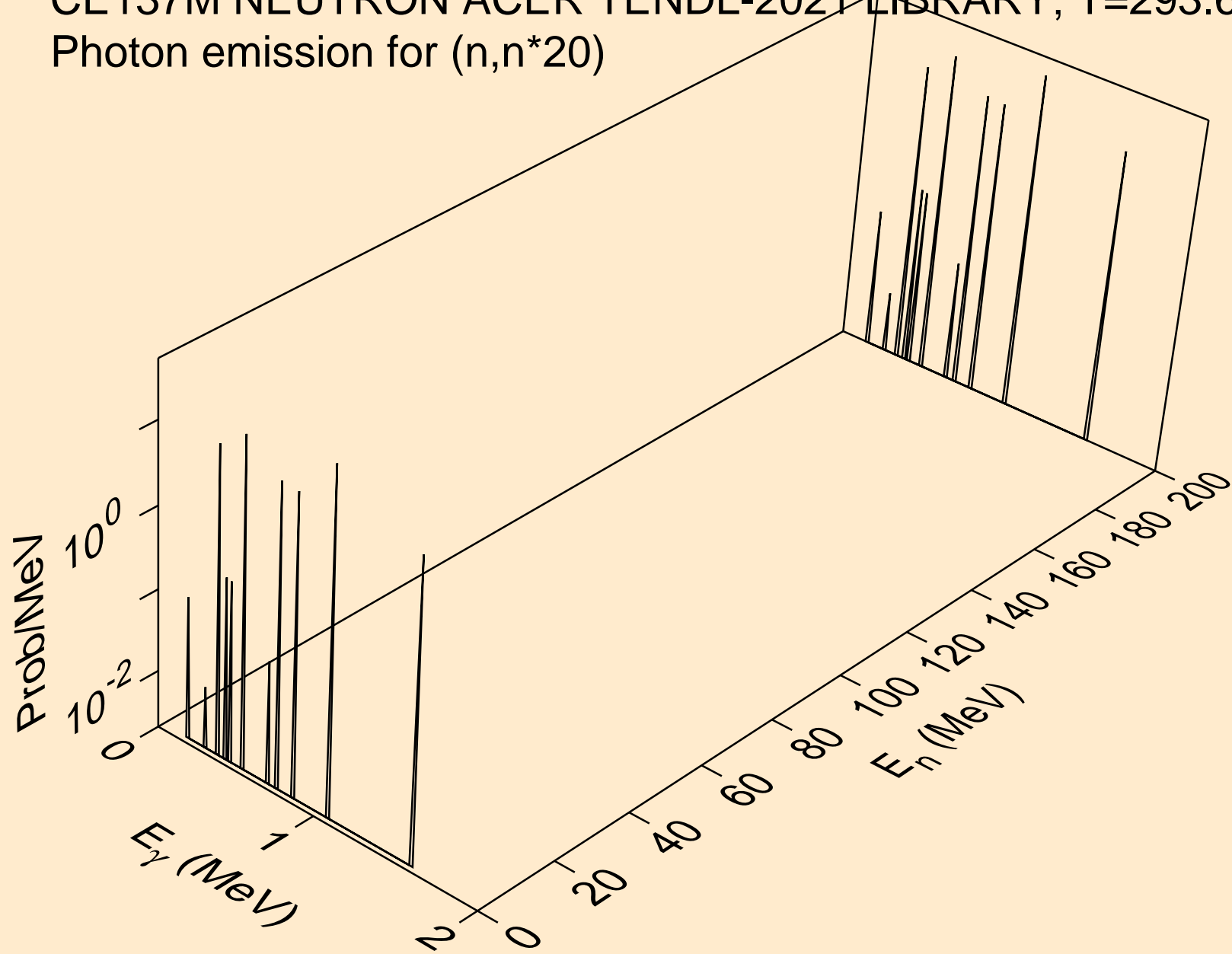
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Photon emission for (n,n\*18)



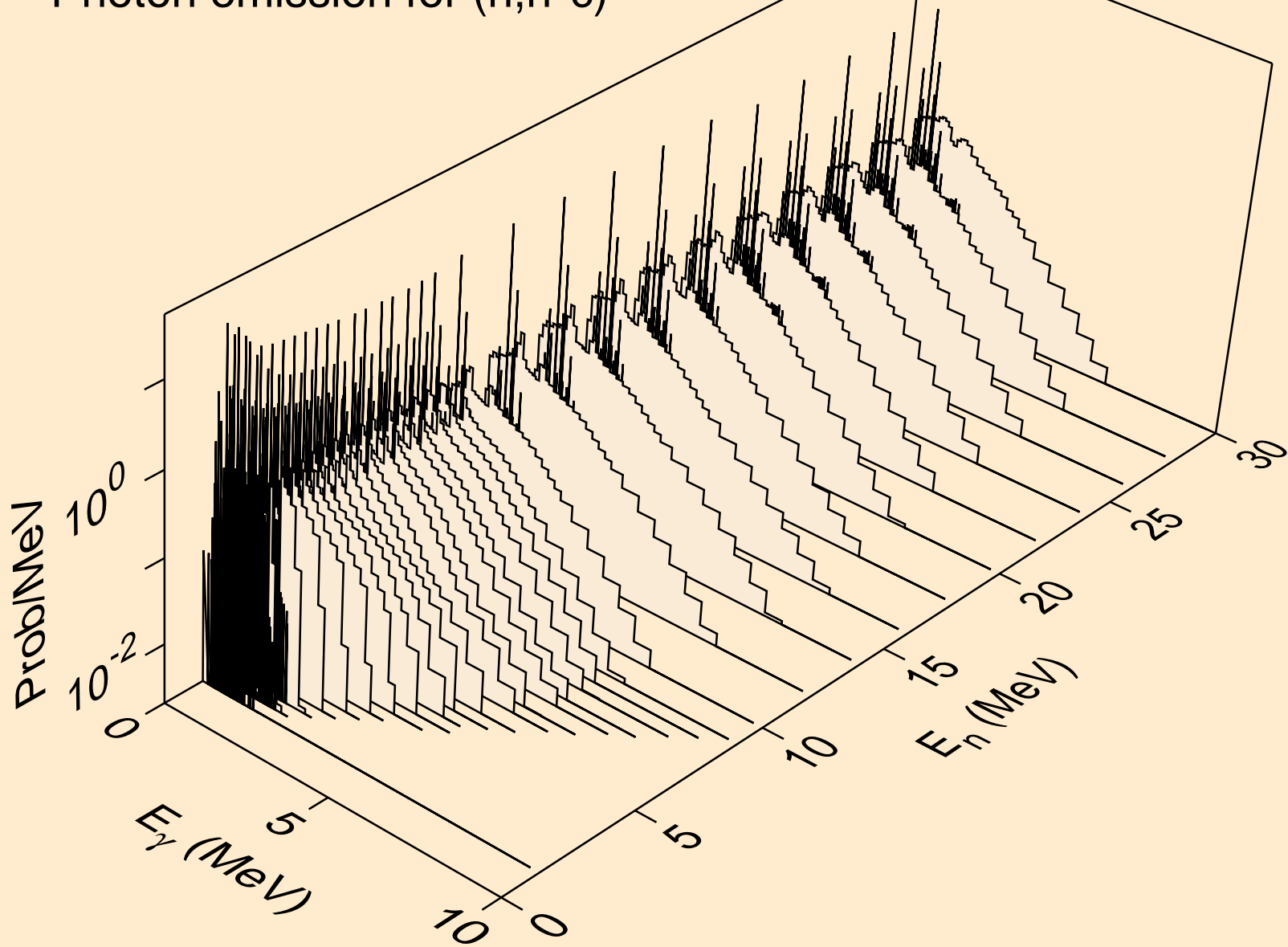
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Photon emission for (n,n\*19)



CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*20)

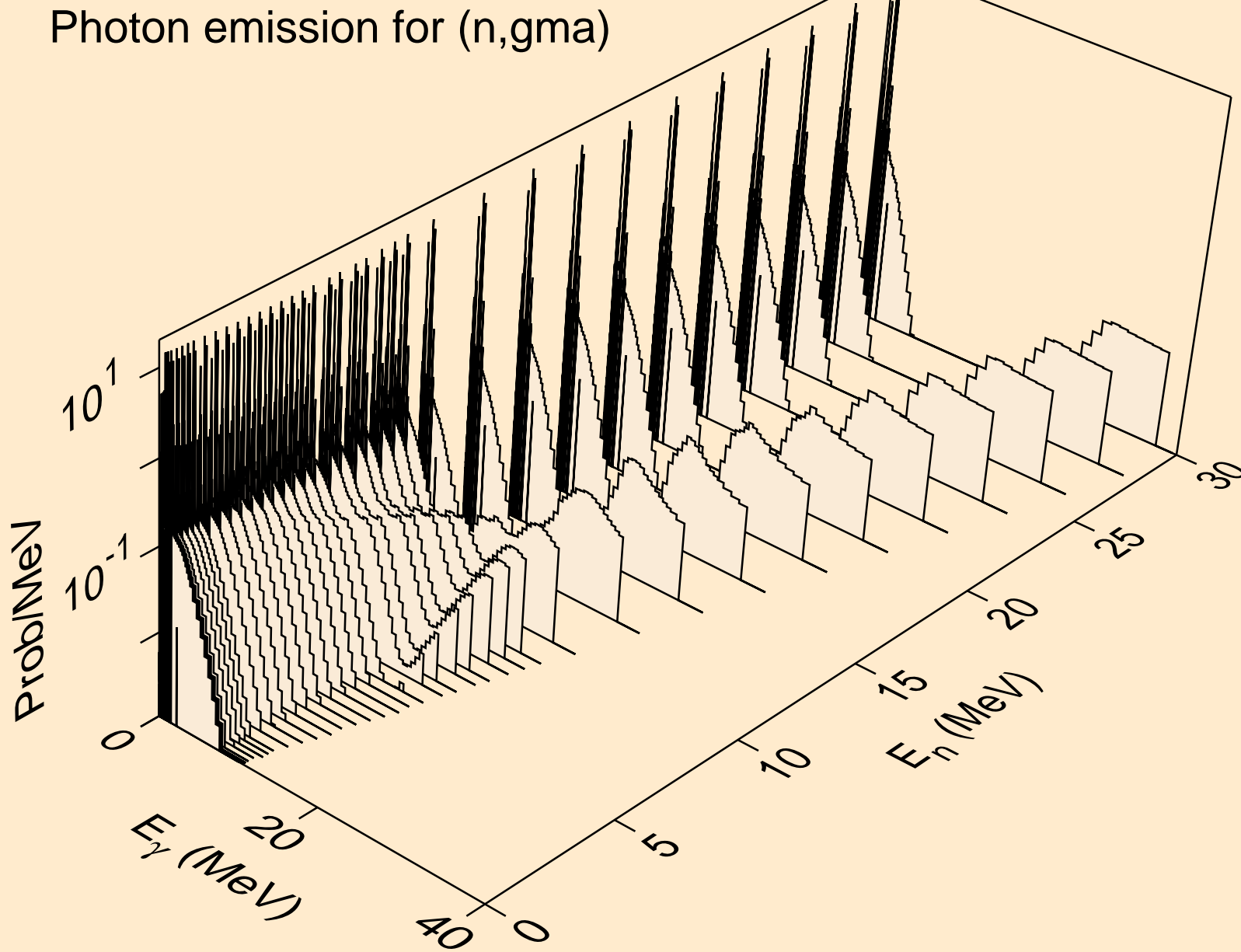


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Photon emission for (n,n\*c)

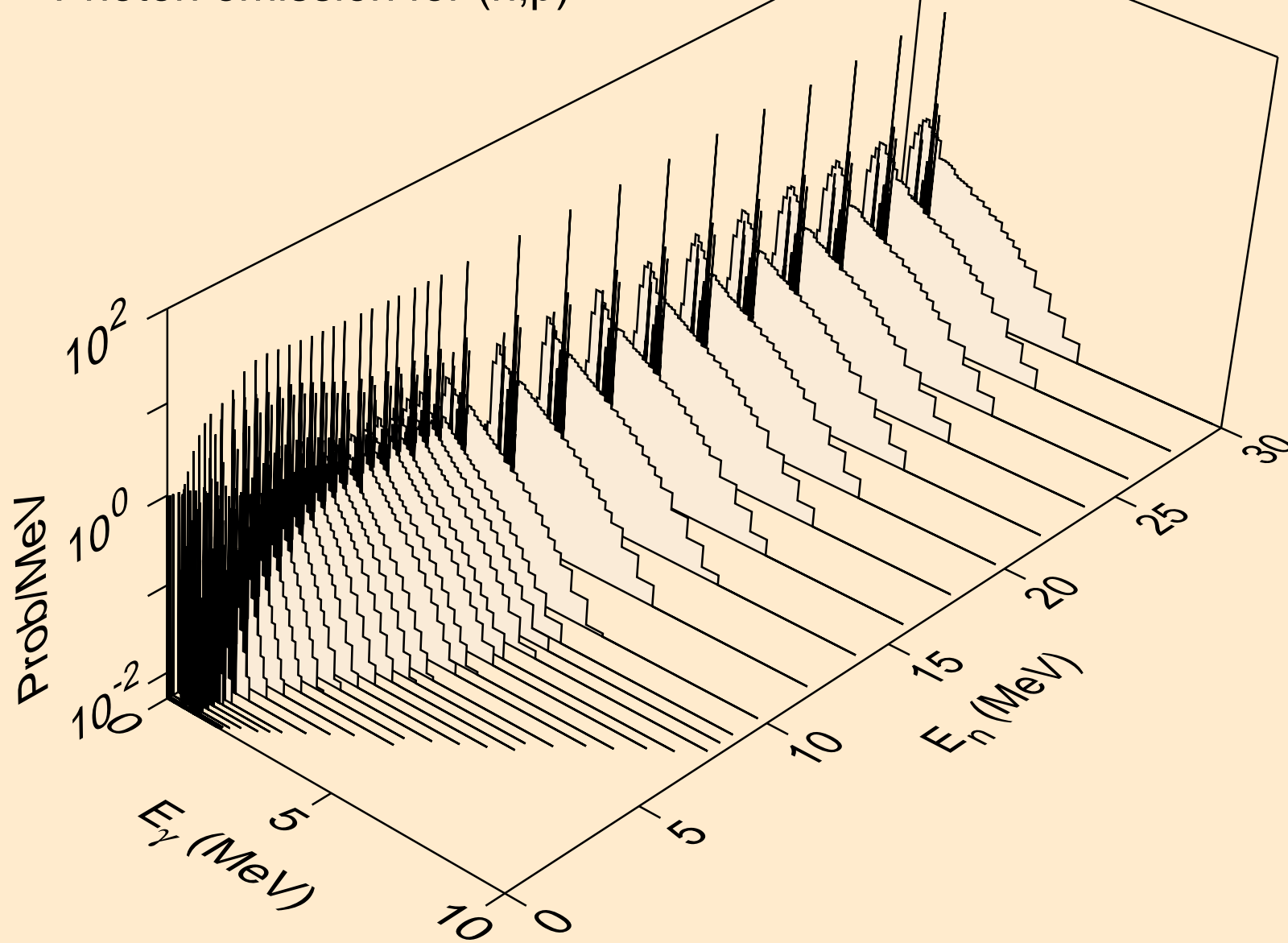




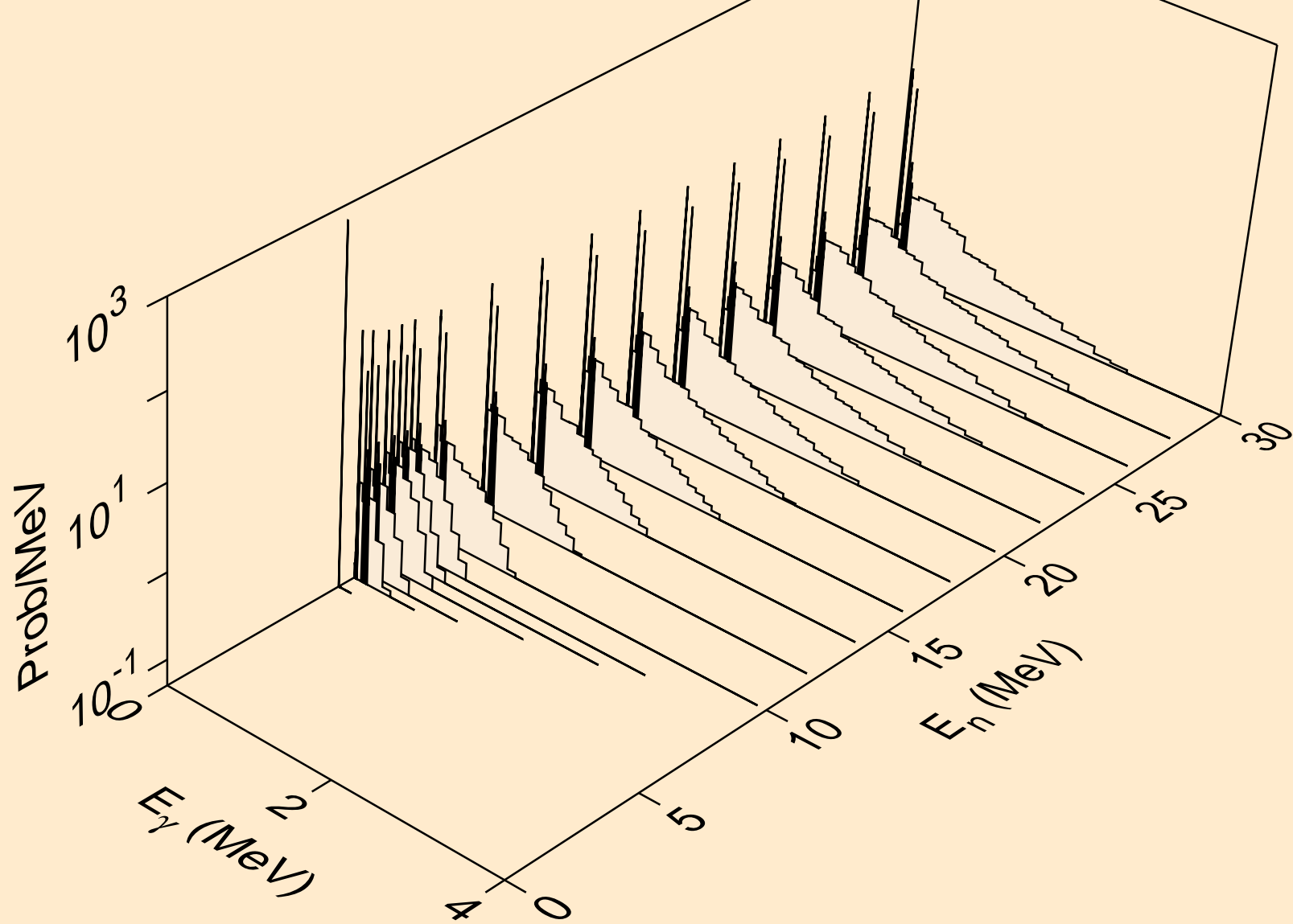
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Photon emission for (n,gma)



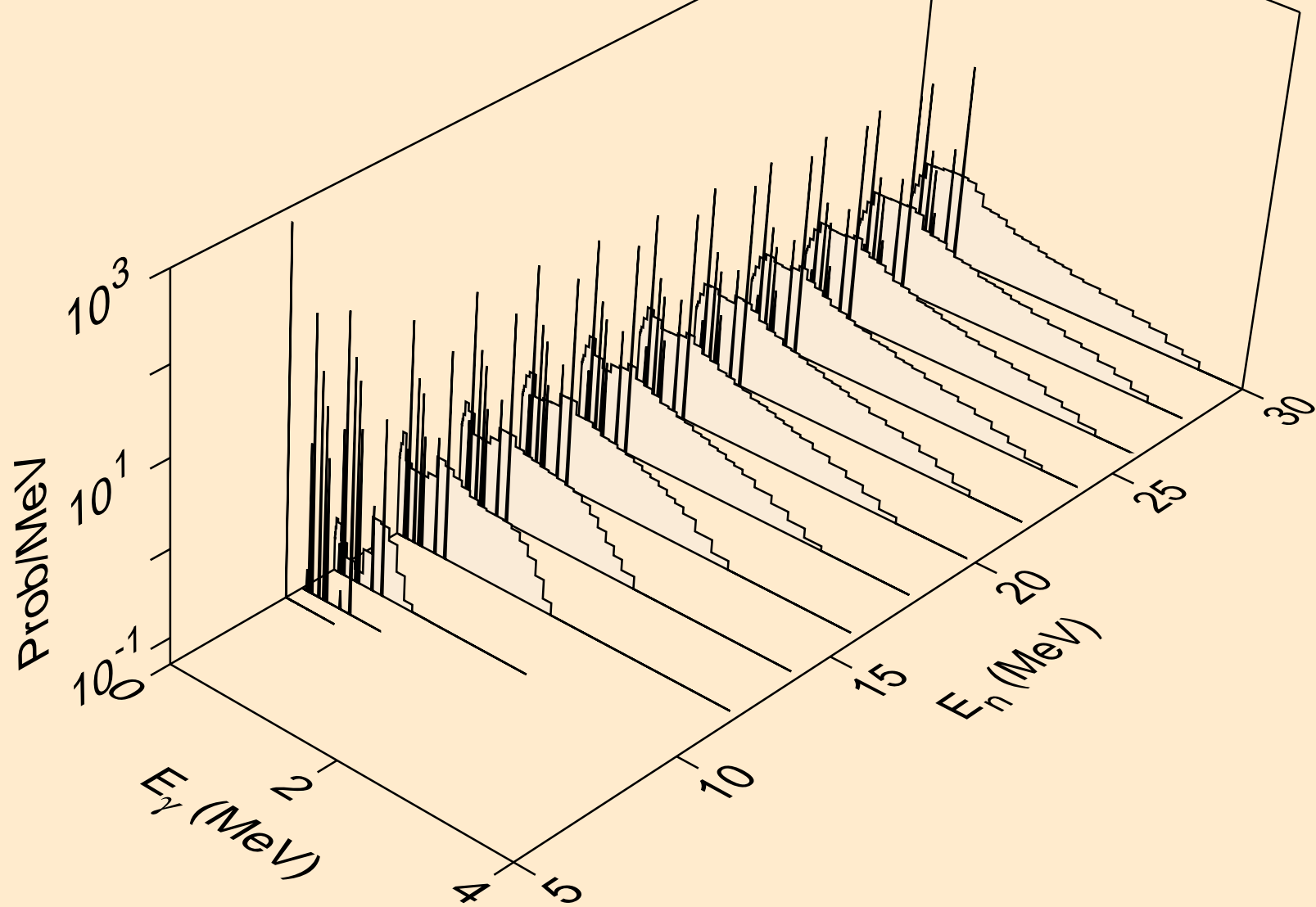
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Photon emission for (n,p)



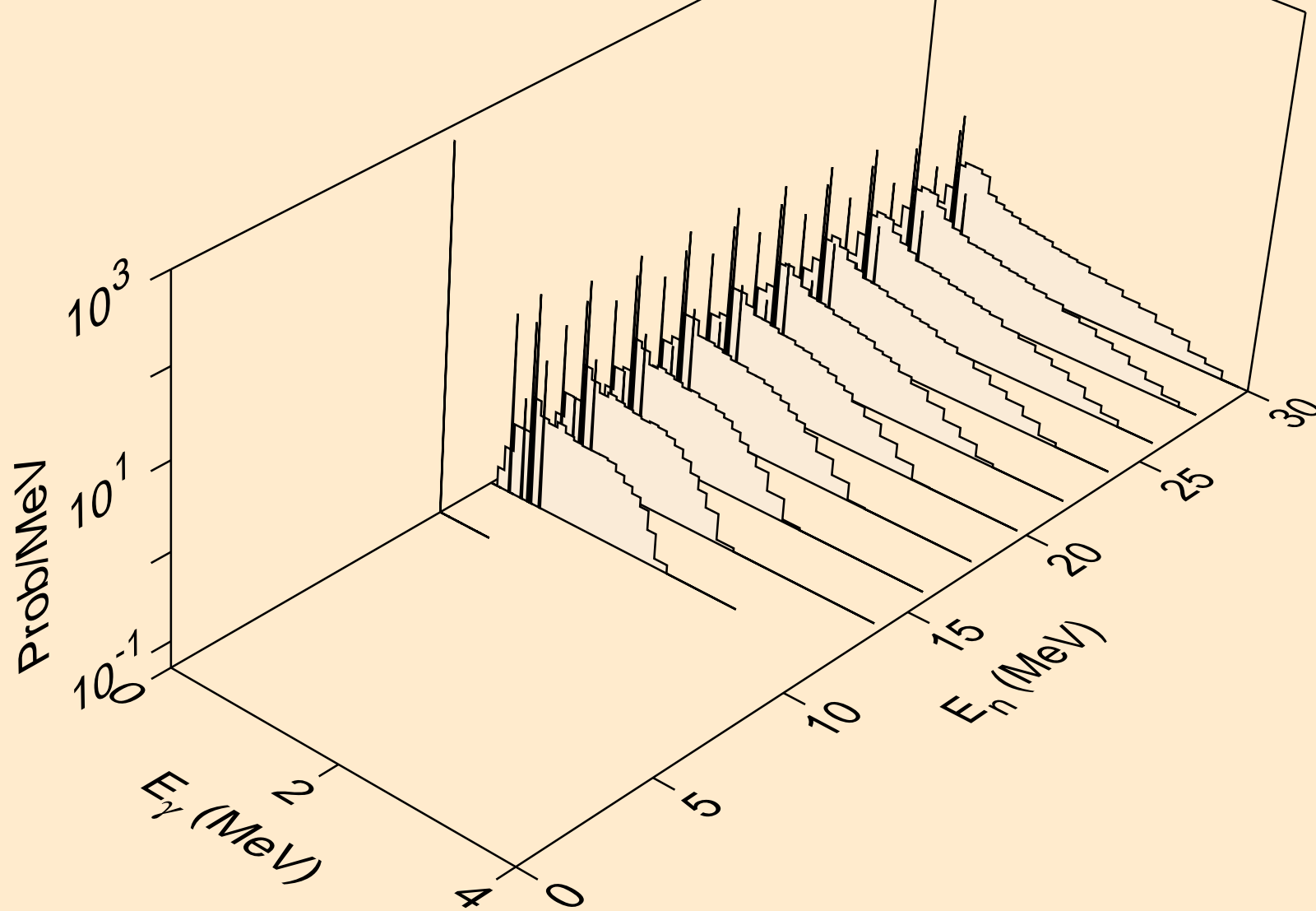
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Photon emission for (n,d)



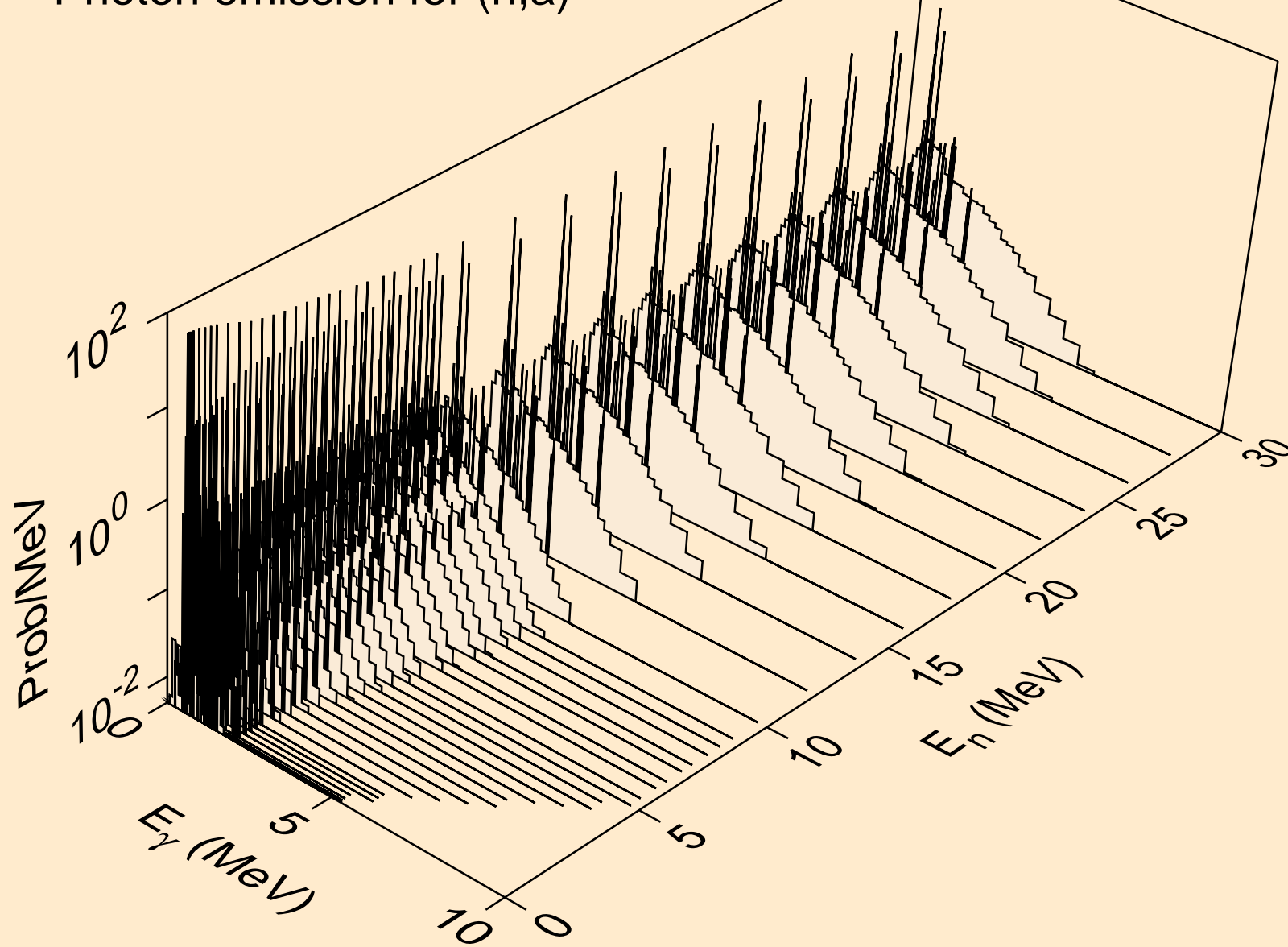
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Photon emission for (n,t)



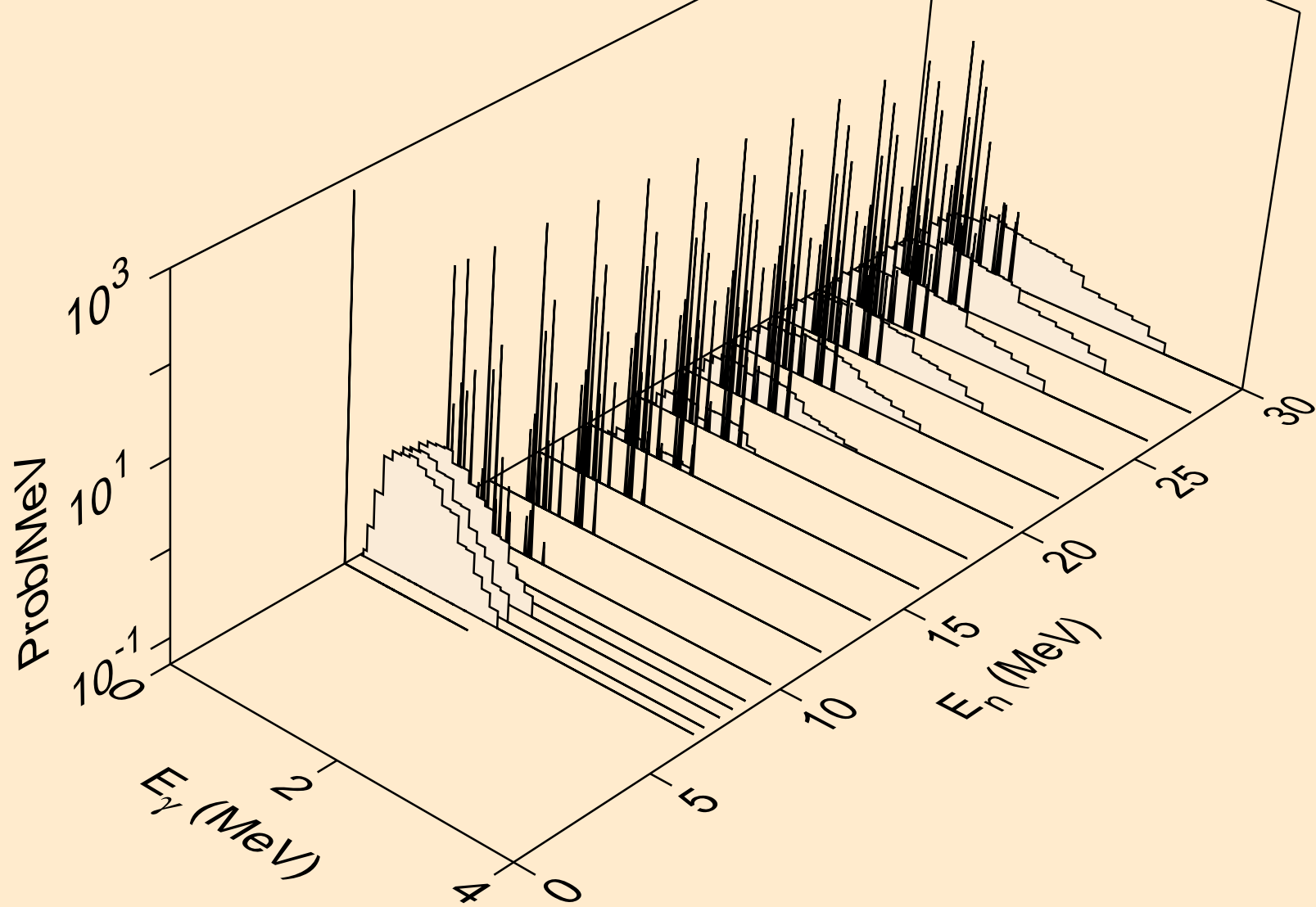
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Photon emission for (n,he3)



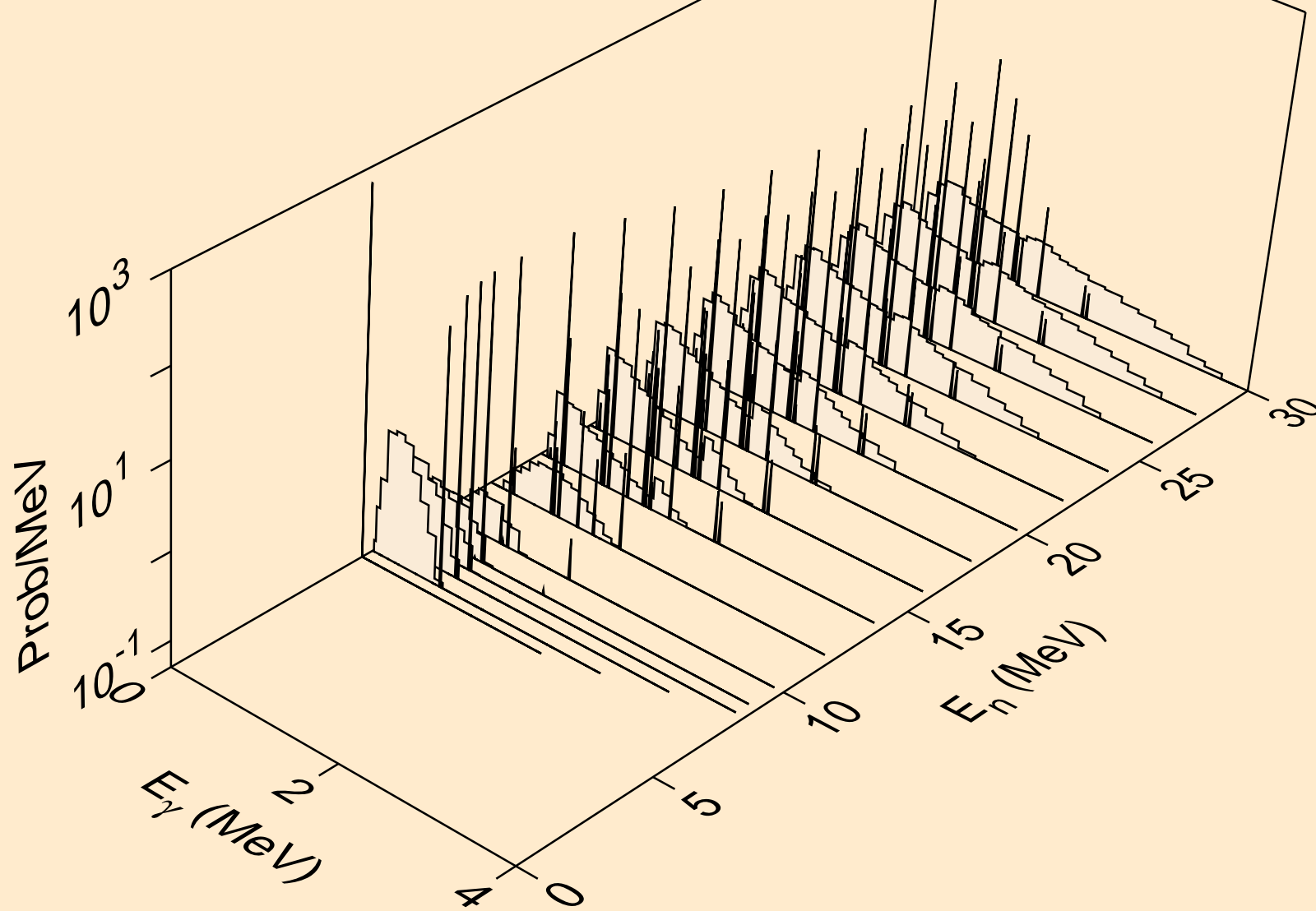
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Photon emission for (n,a)



CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2a)

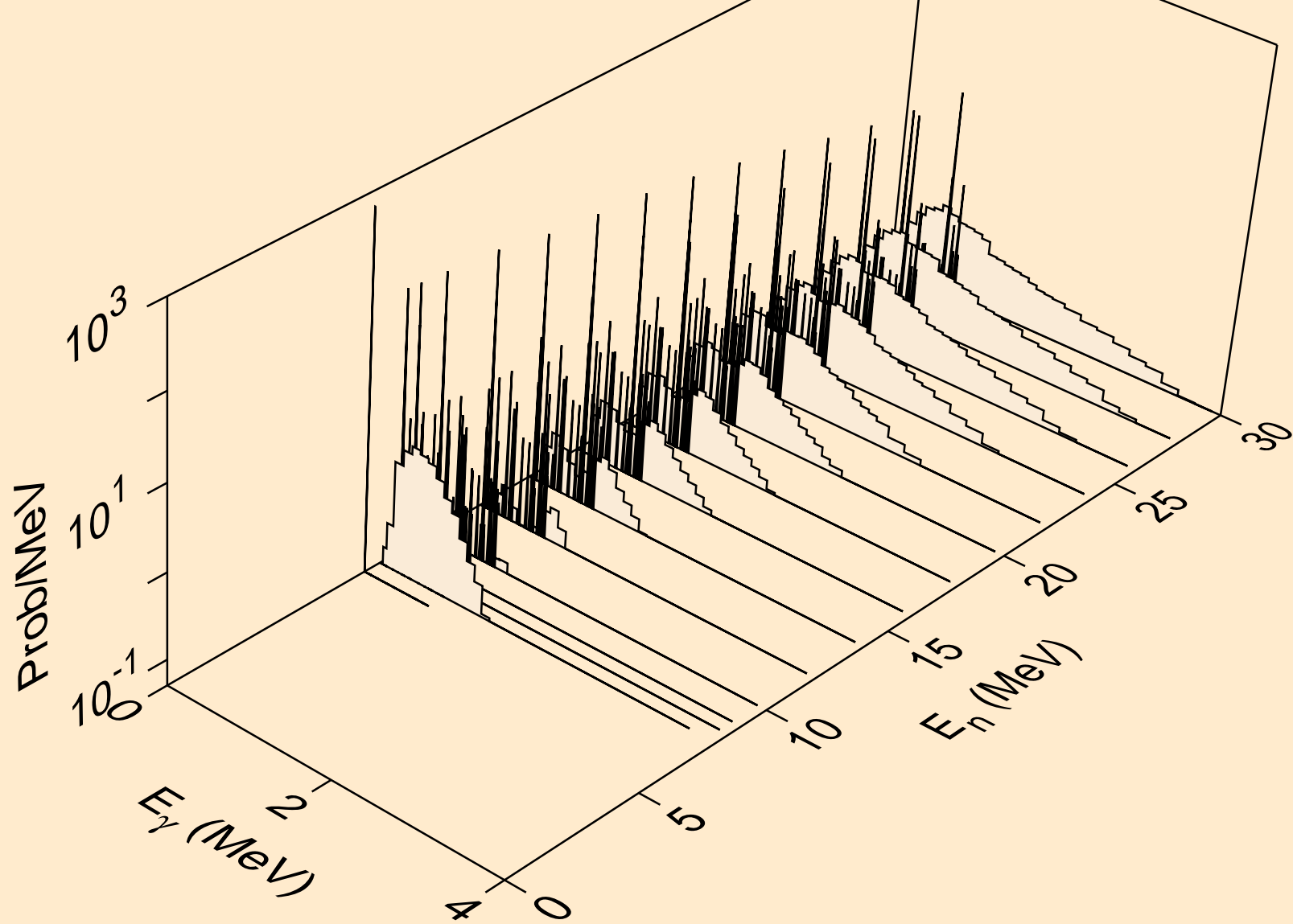


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Photon emission for (n,2p)

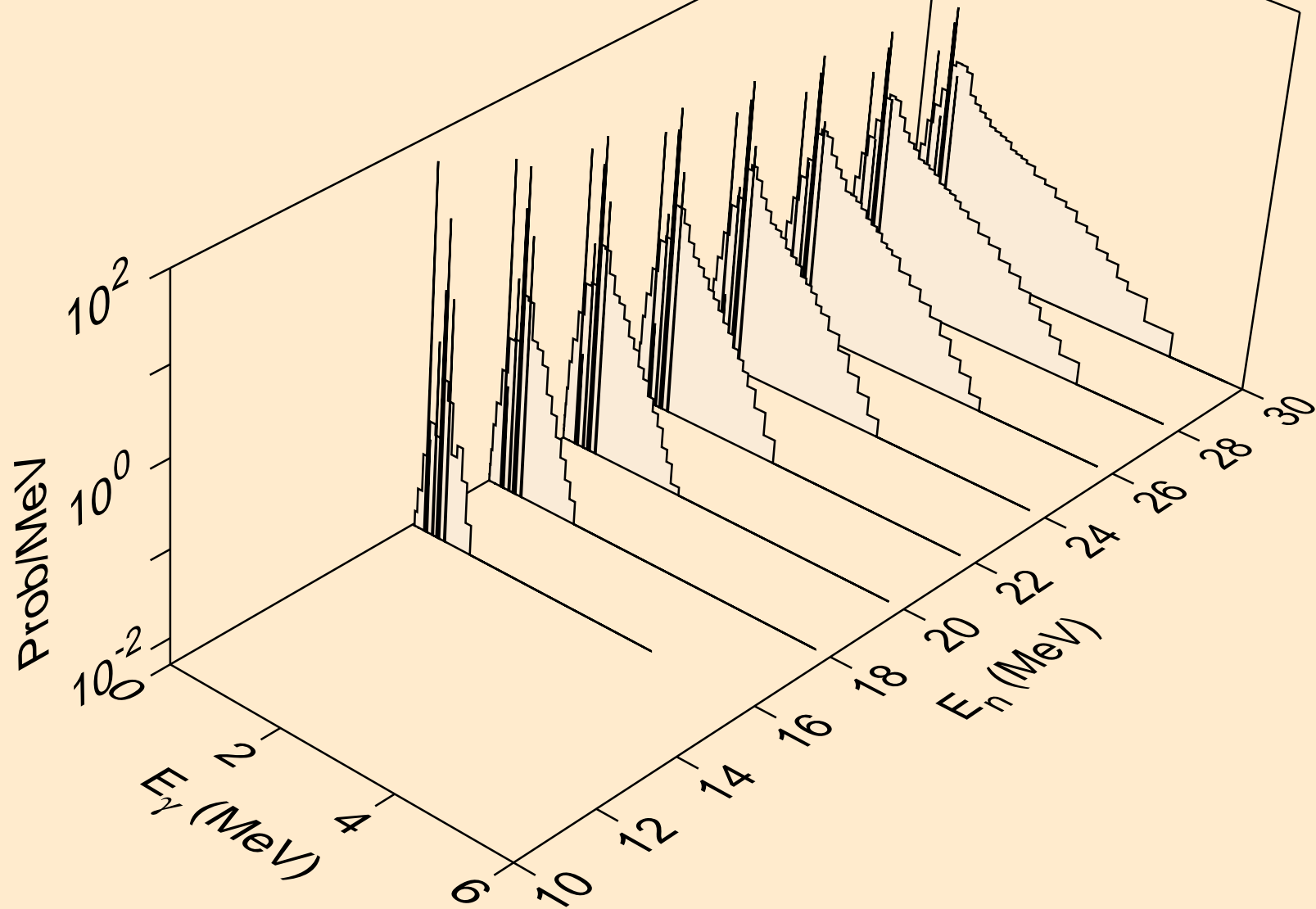




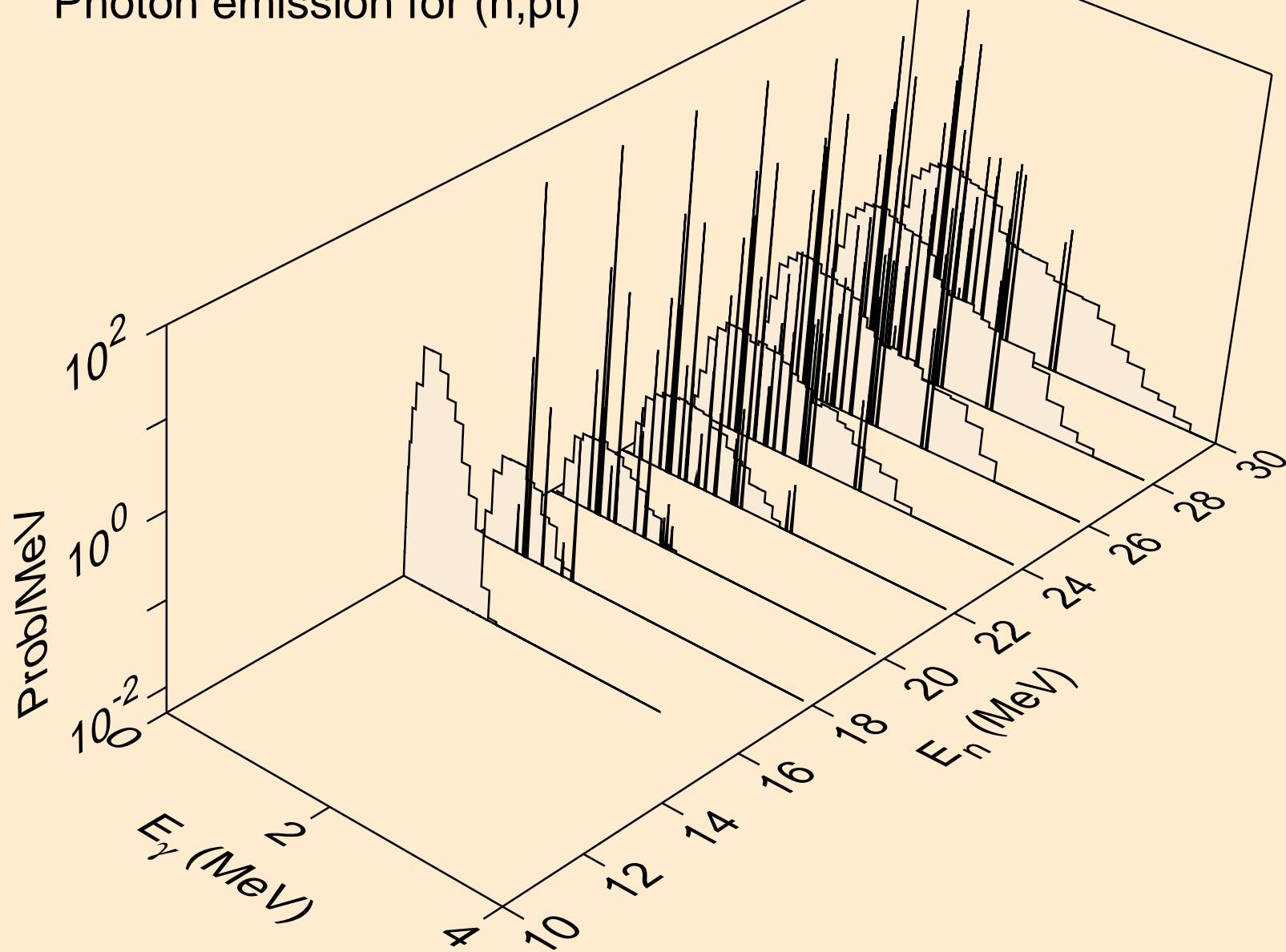
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Photon emission for (n,p $\alpha$ )



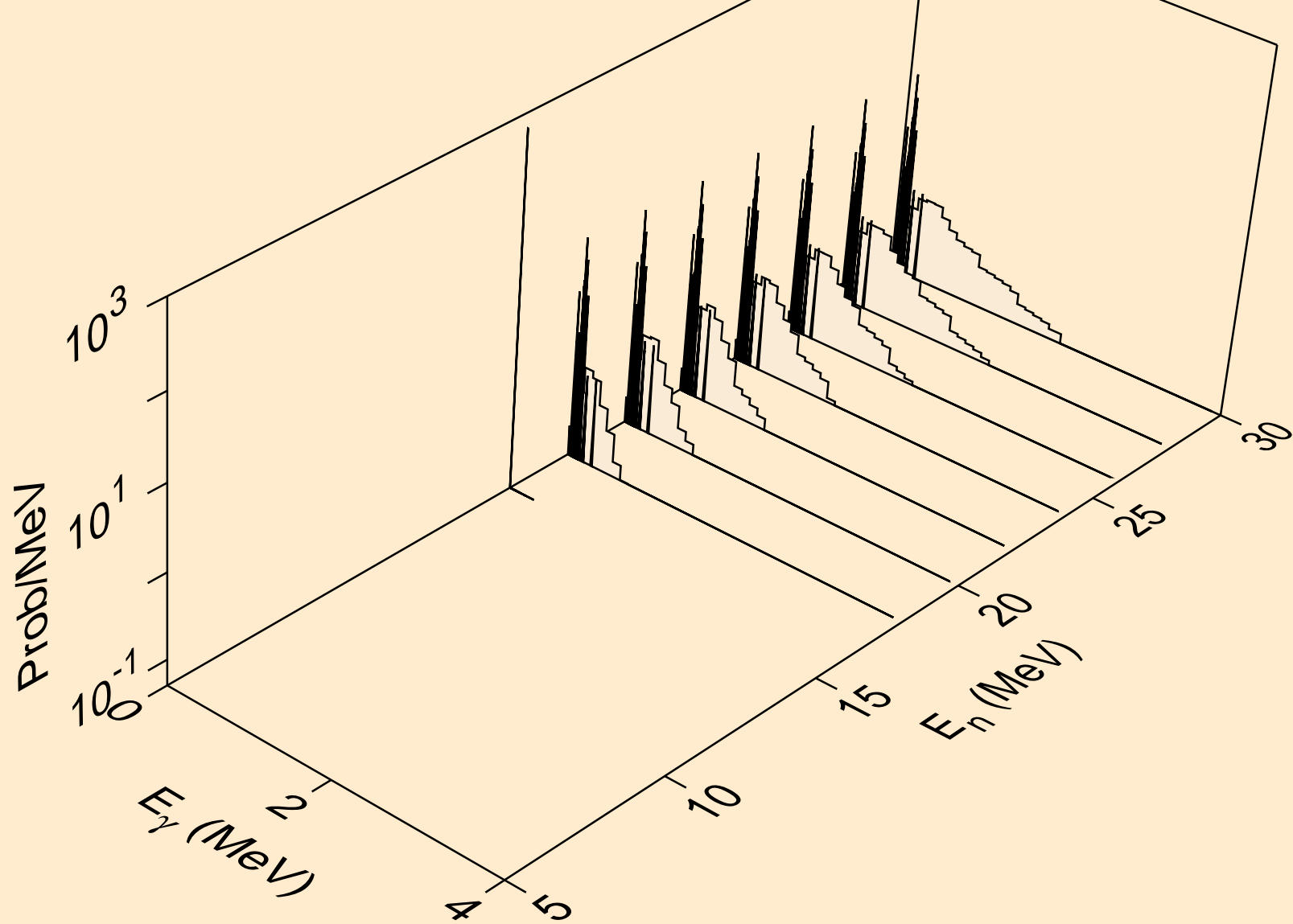
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Photon emission for (n,pd)



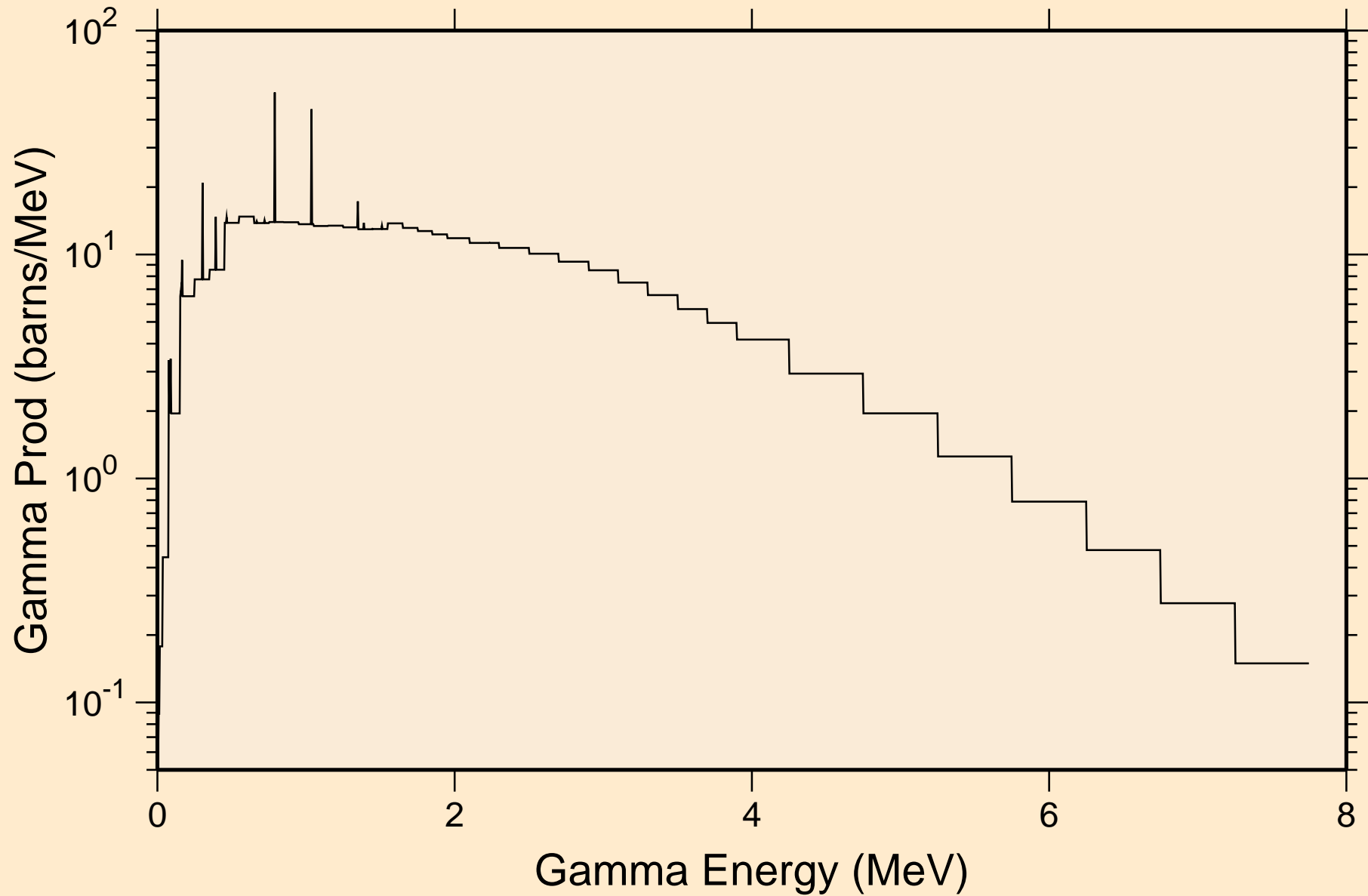
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Photon emission for (n,pt)



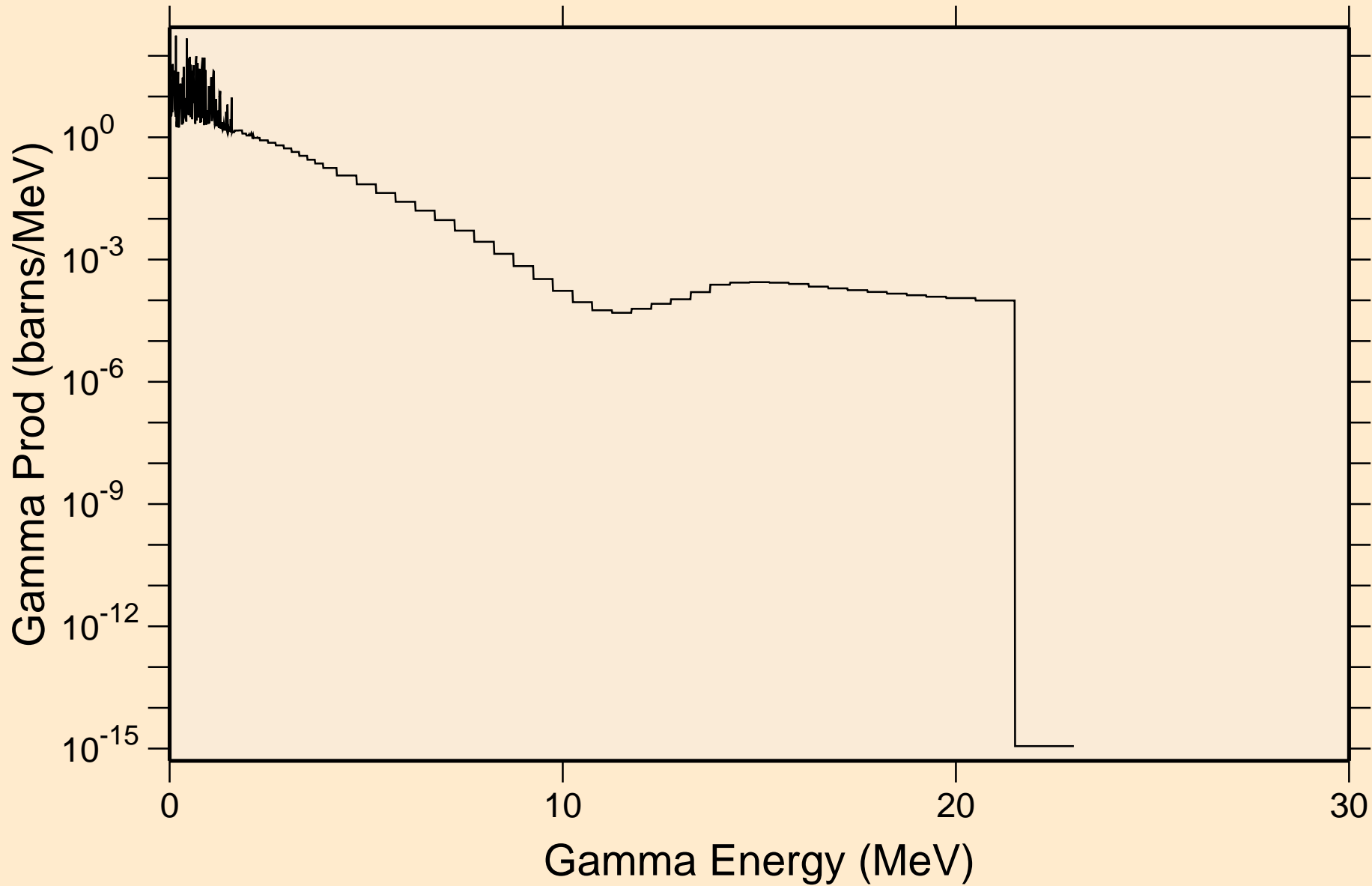
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Photon emission for (n,da)



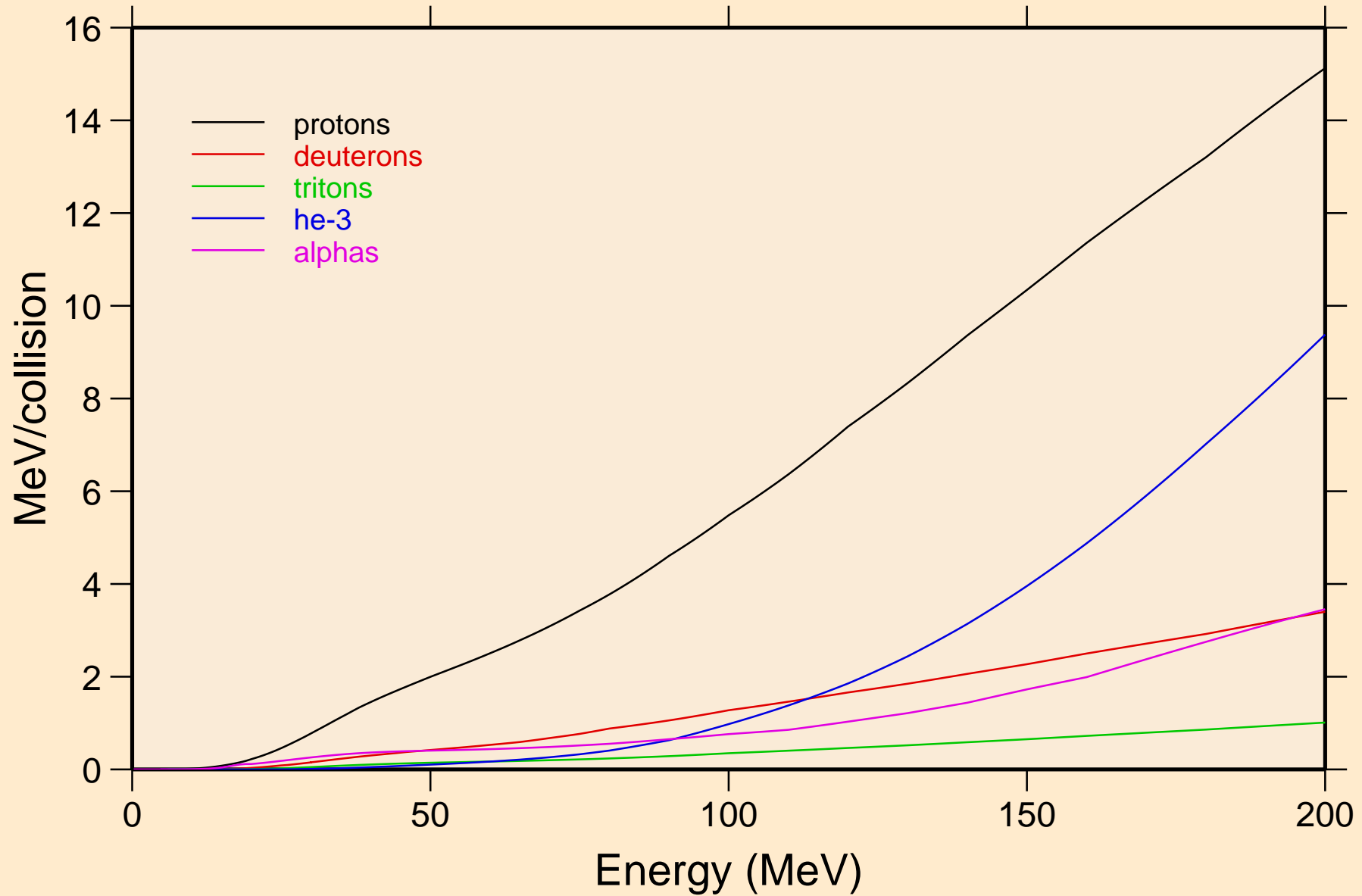
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thermal capture photon spectrum



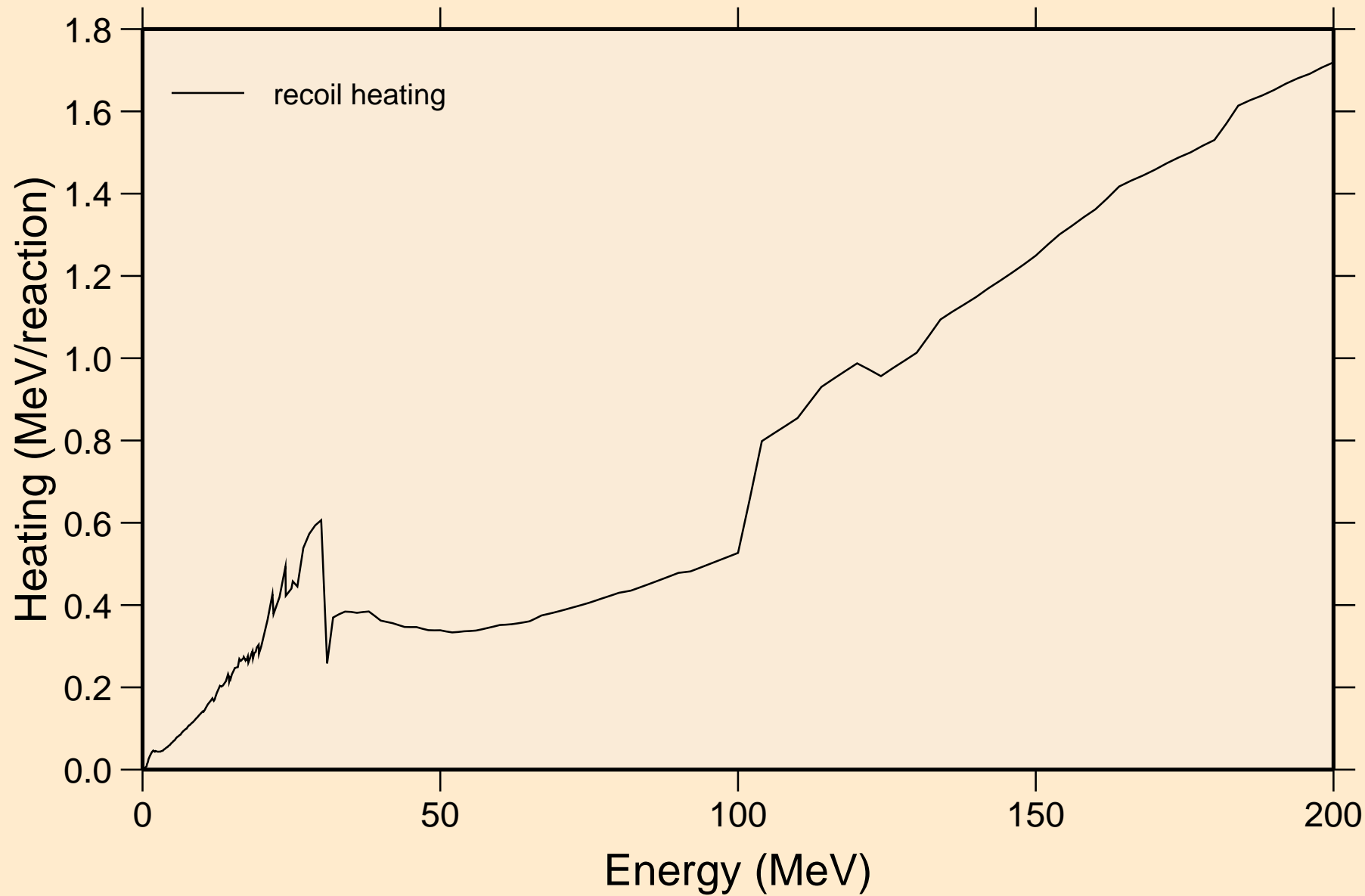
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14 MeV photon spectrum



CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle heating contributions

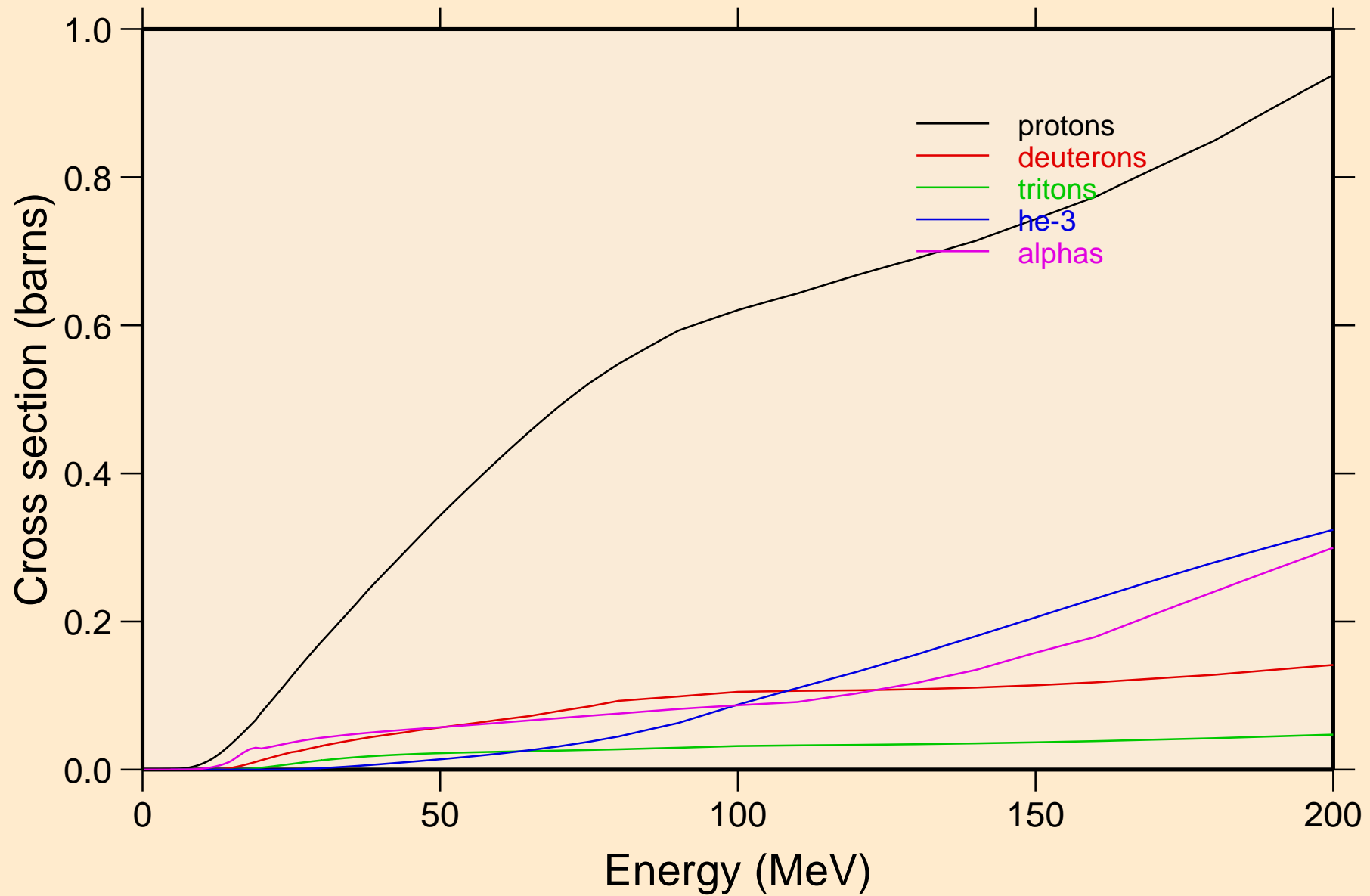


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Recoil Heating

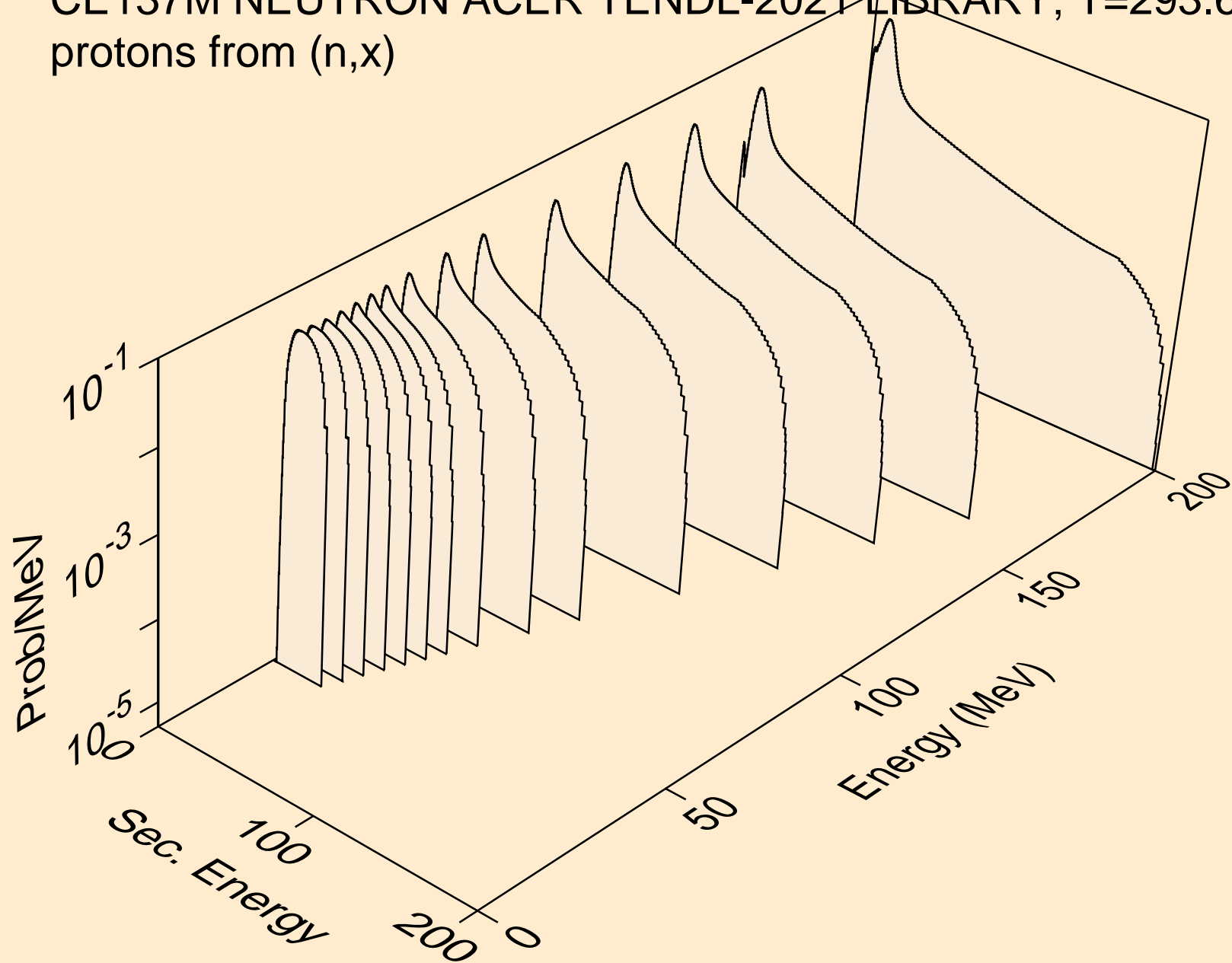




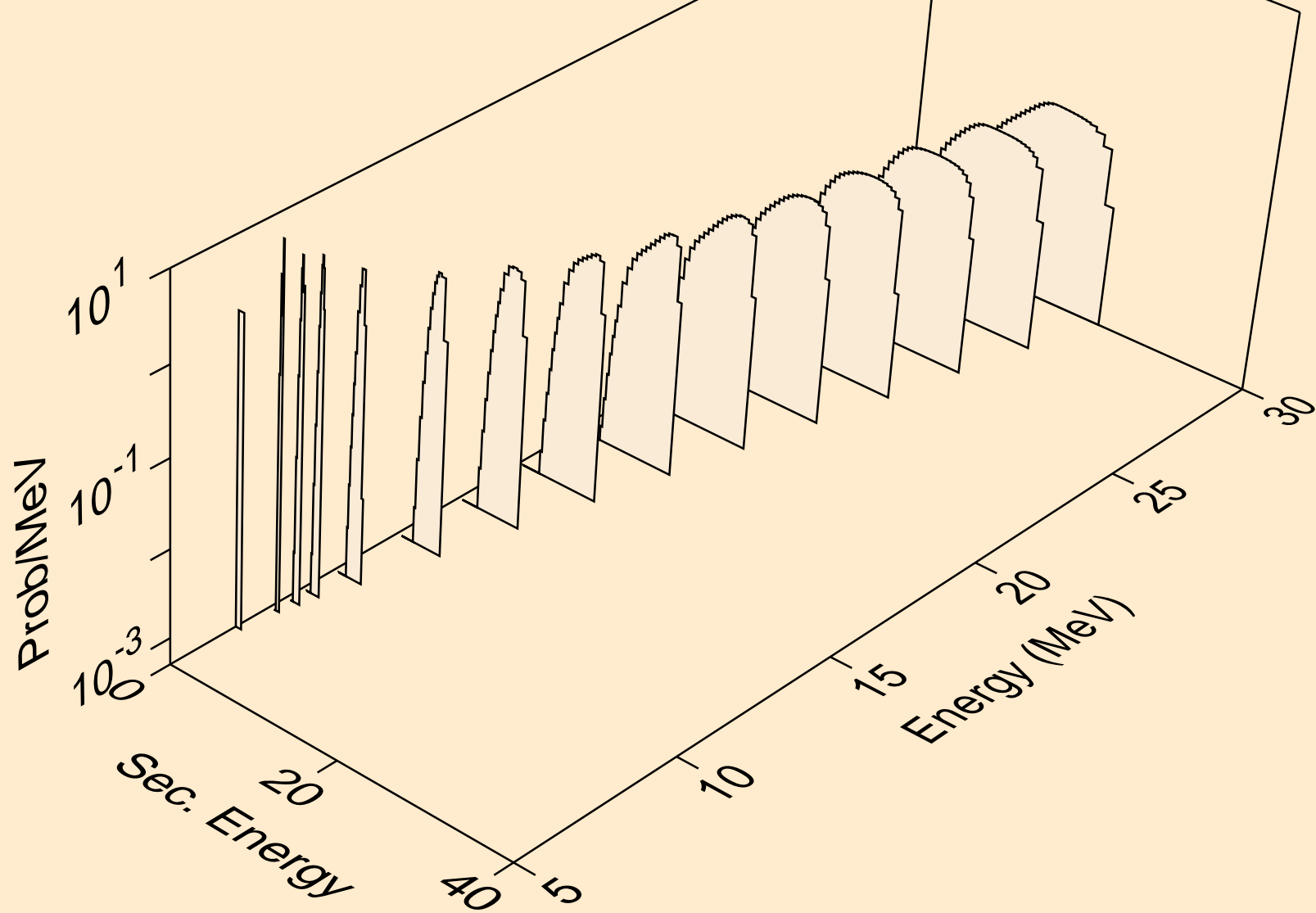
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Particle production cross sections



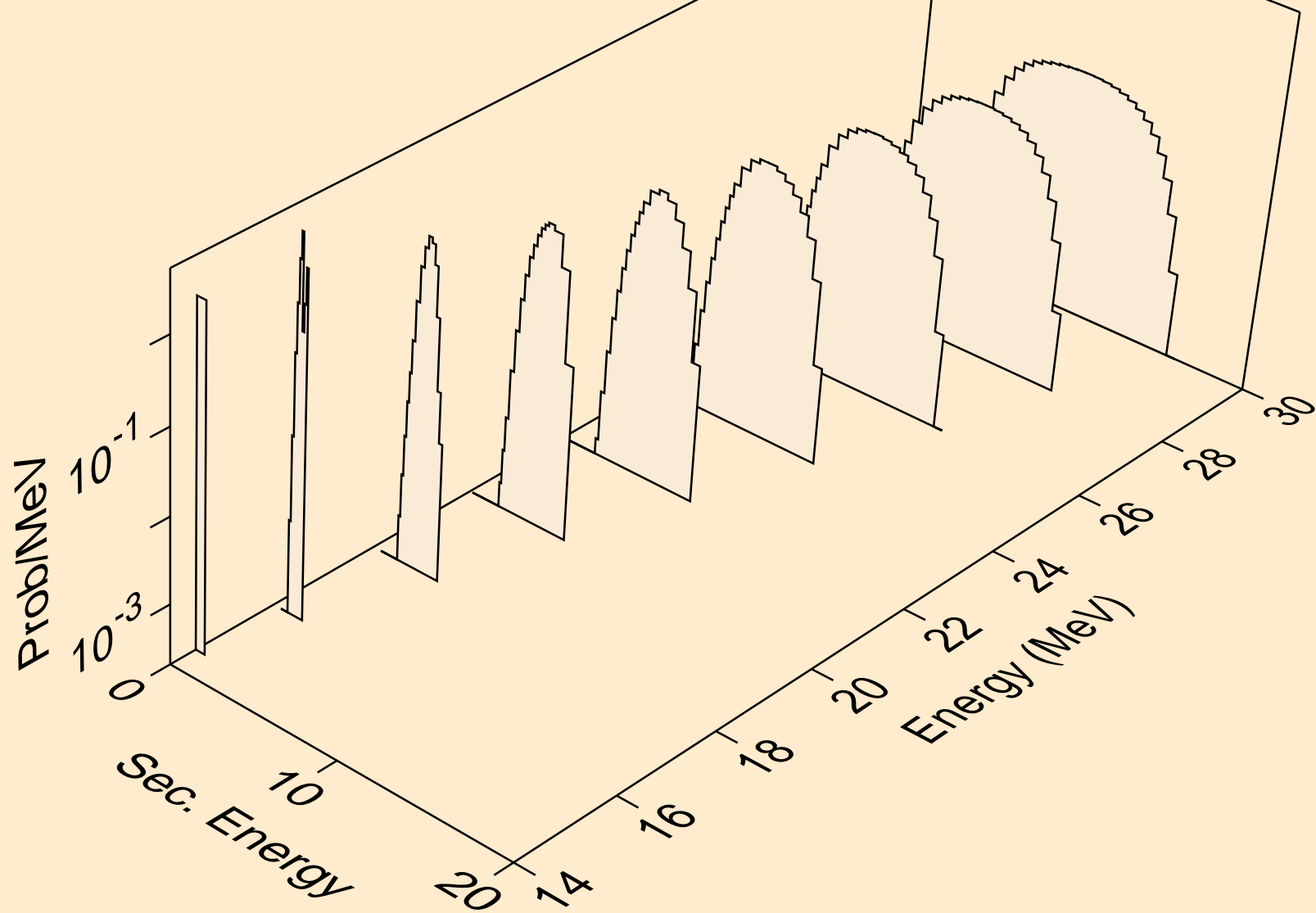
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protons from (n,x)



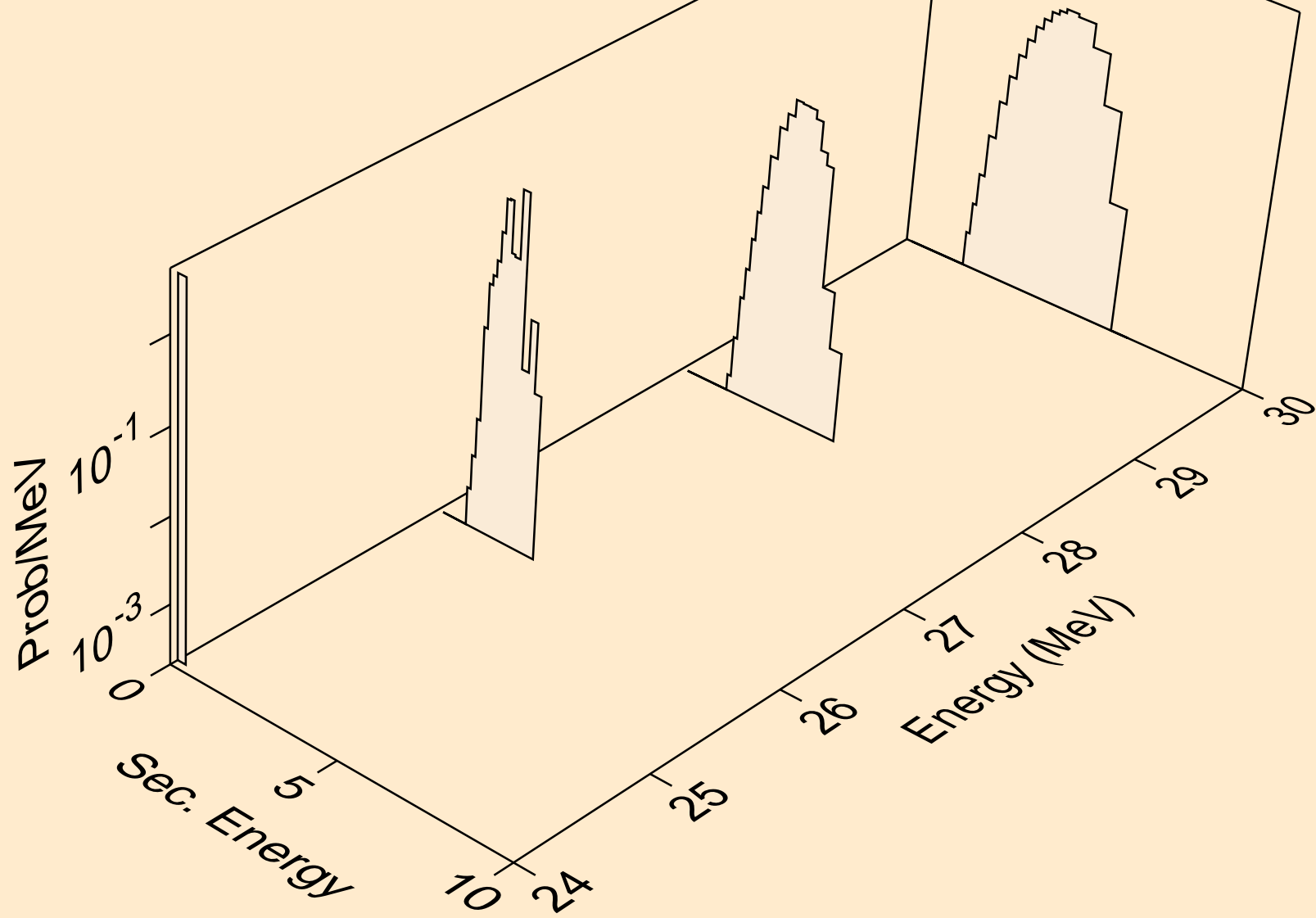
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protons from (n,n\*)p



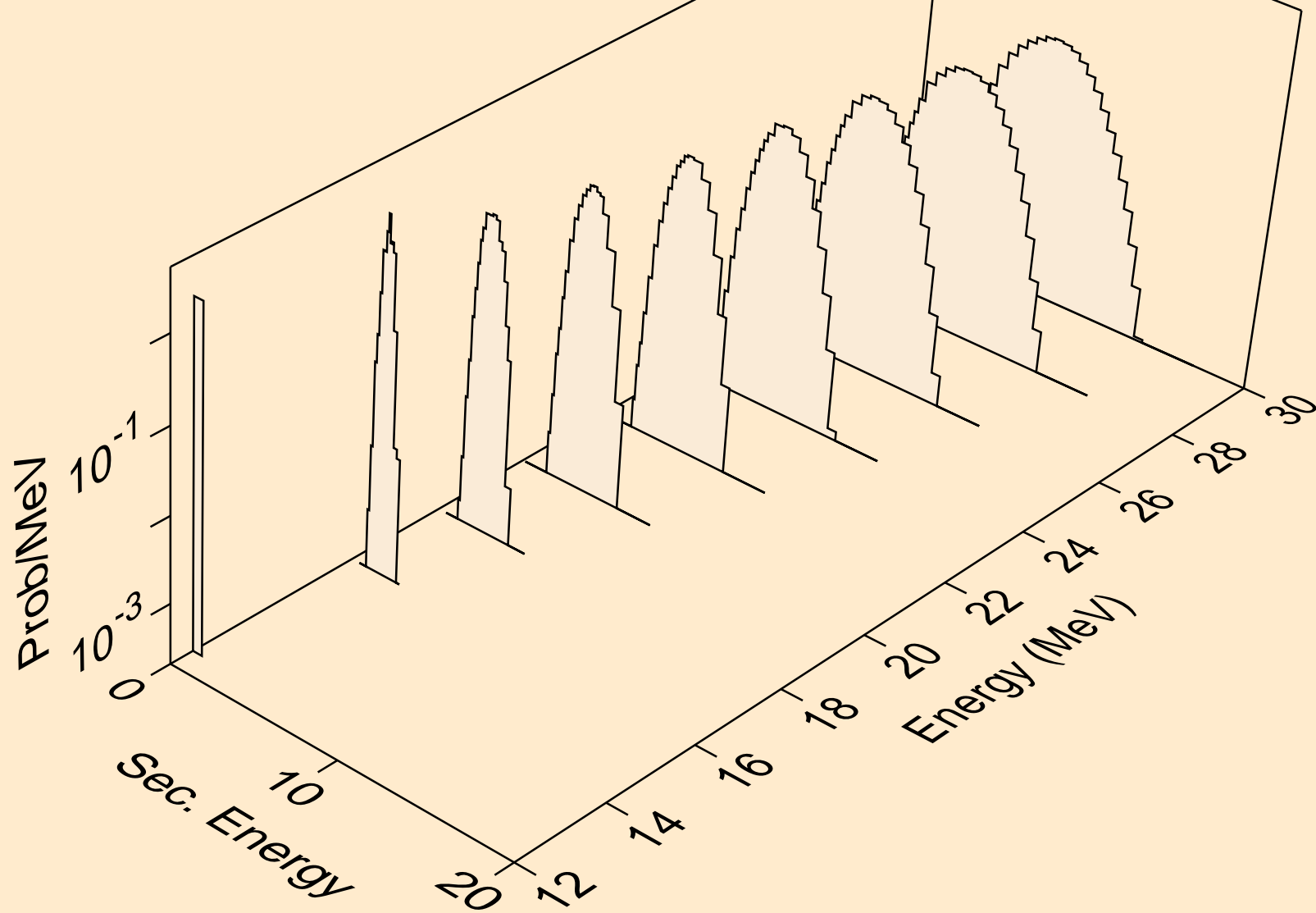
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protons from (n,2np)



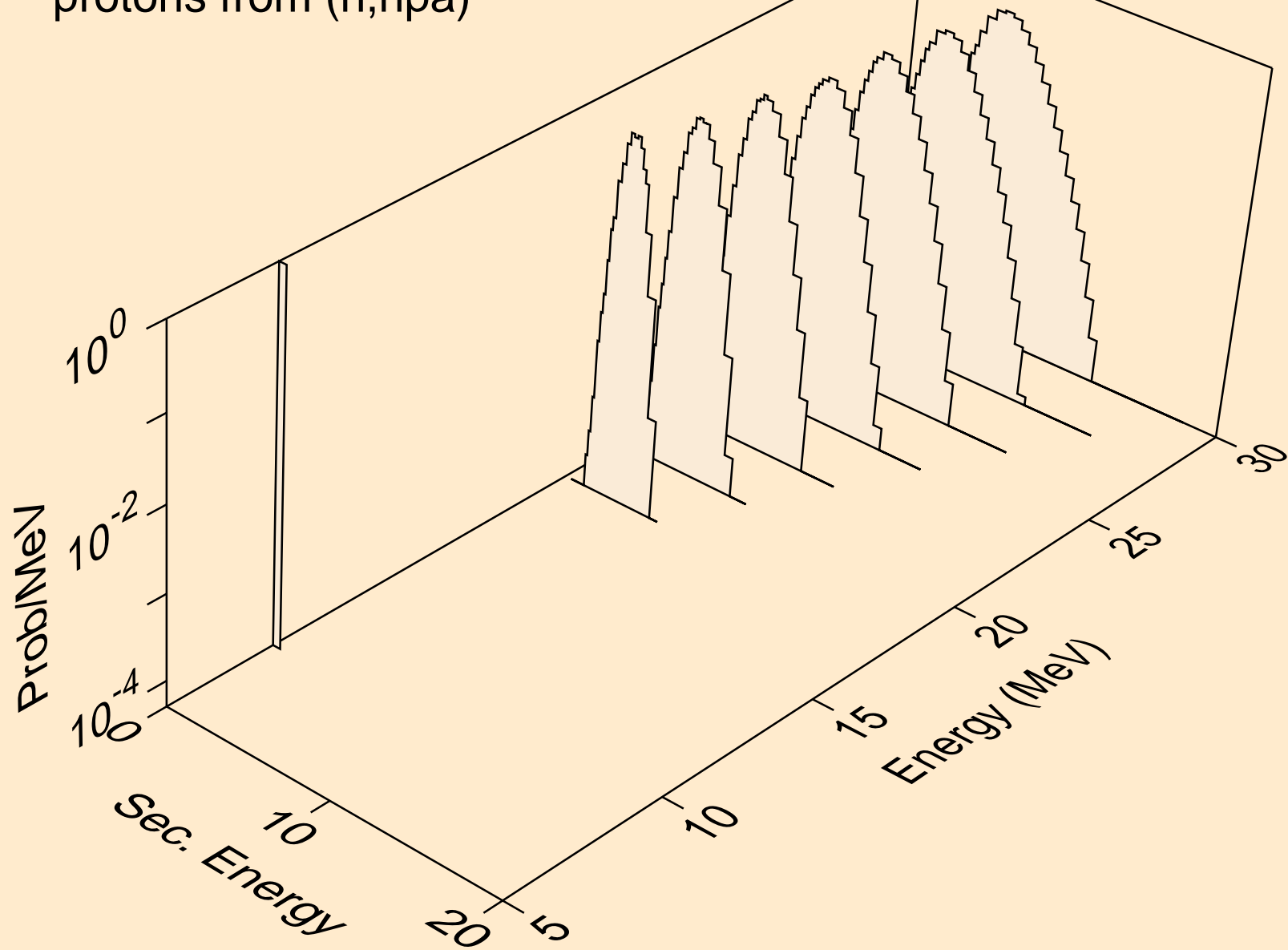
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protons from (n,3np)



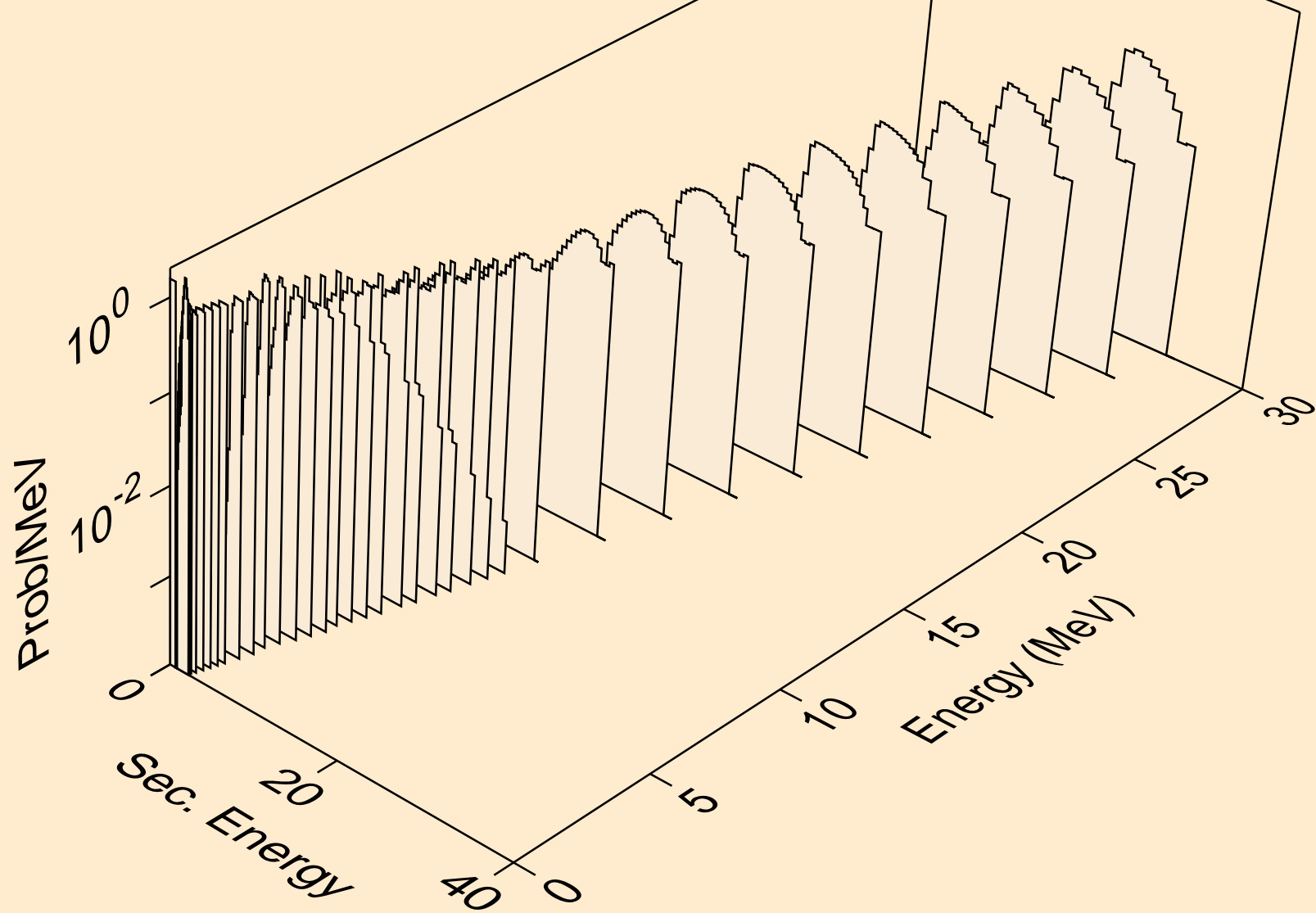
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protons from (n,2np)



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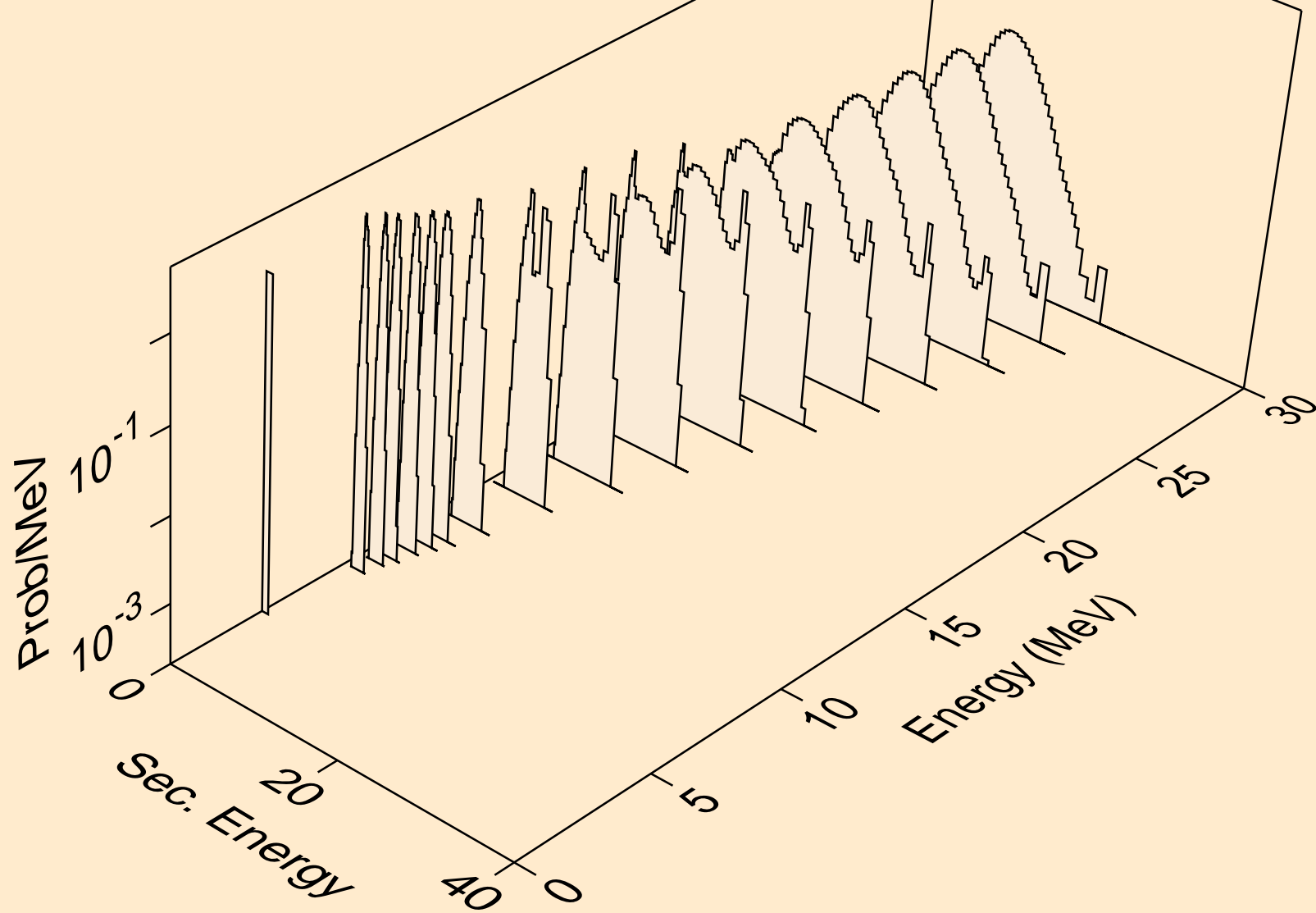


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protons from (n,p)

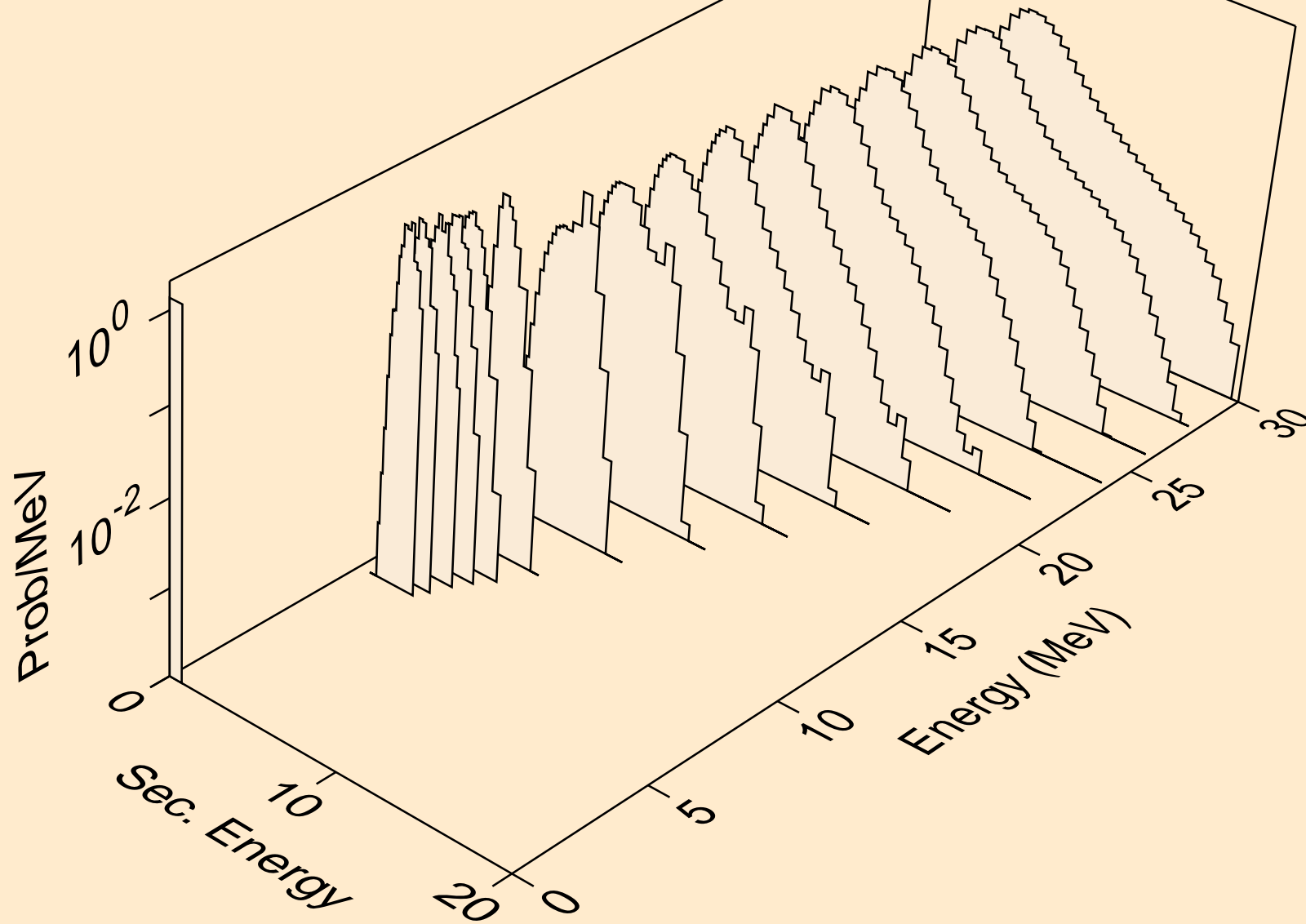




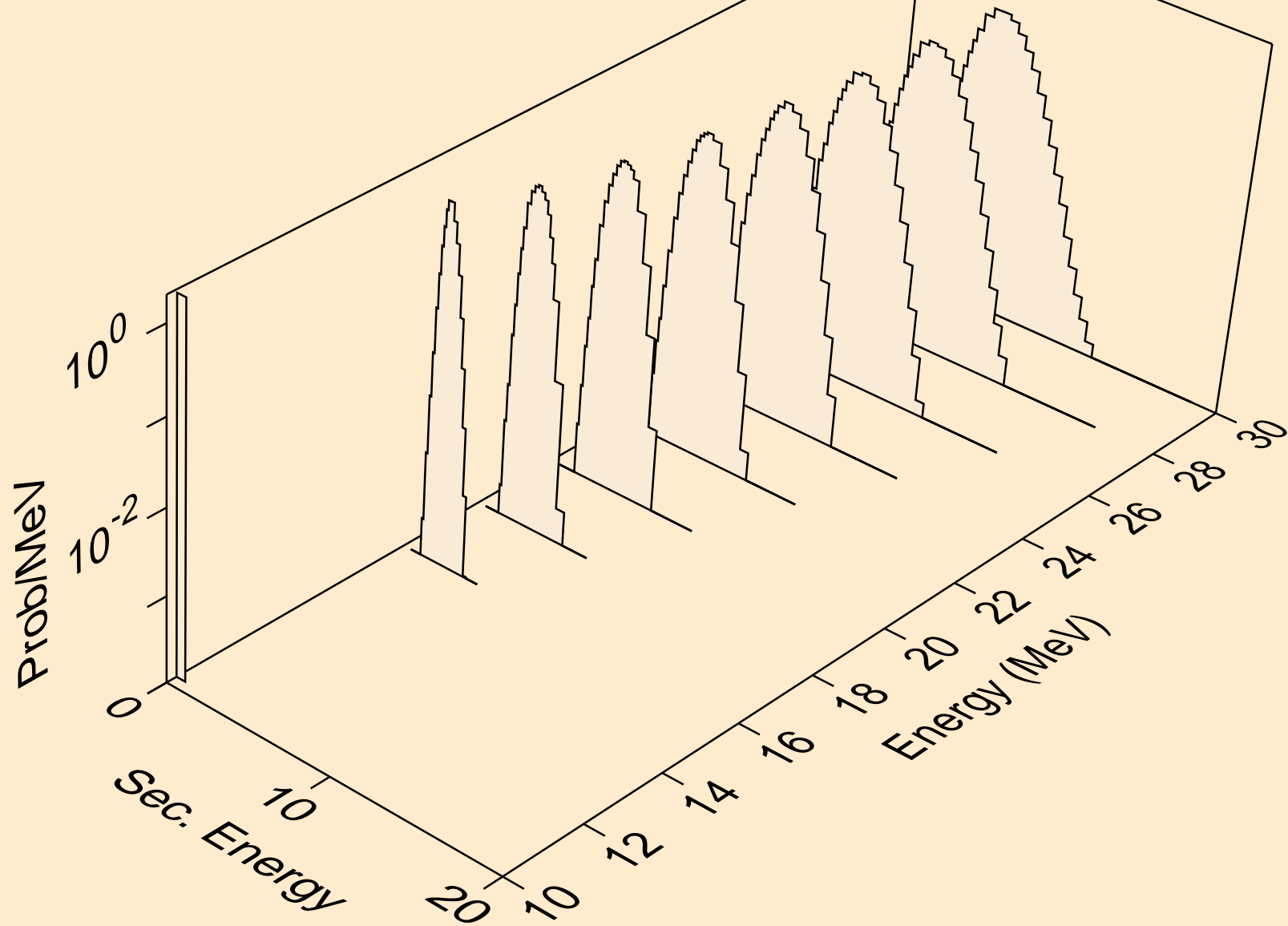
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protons from (n,2p)



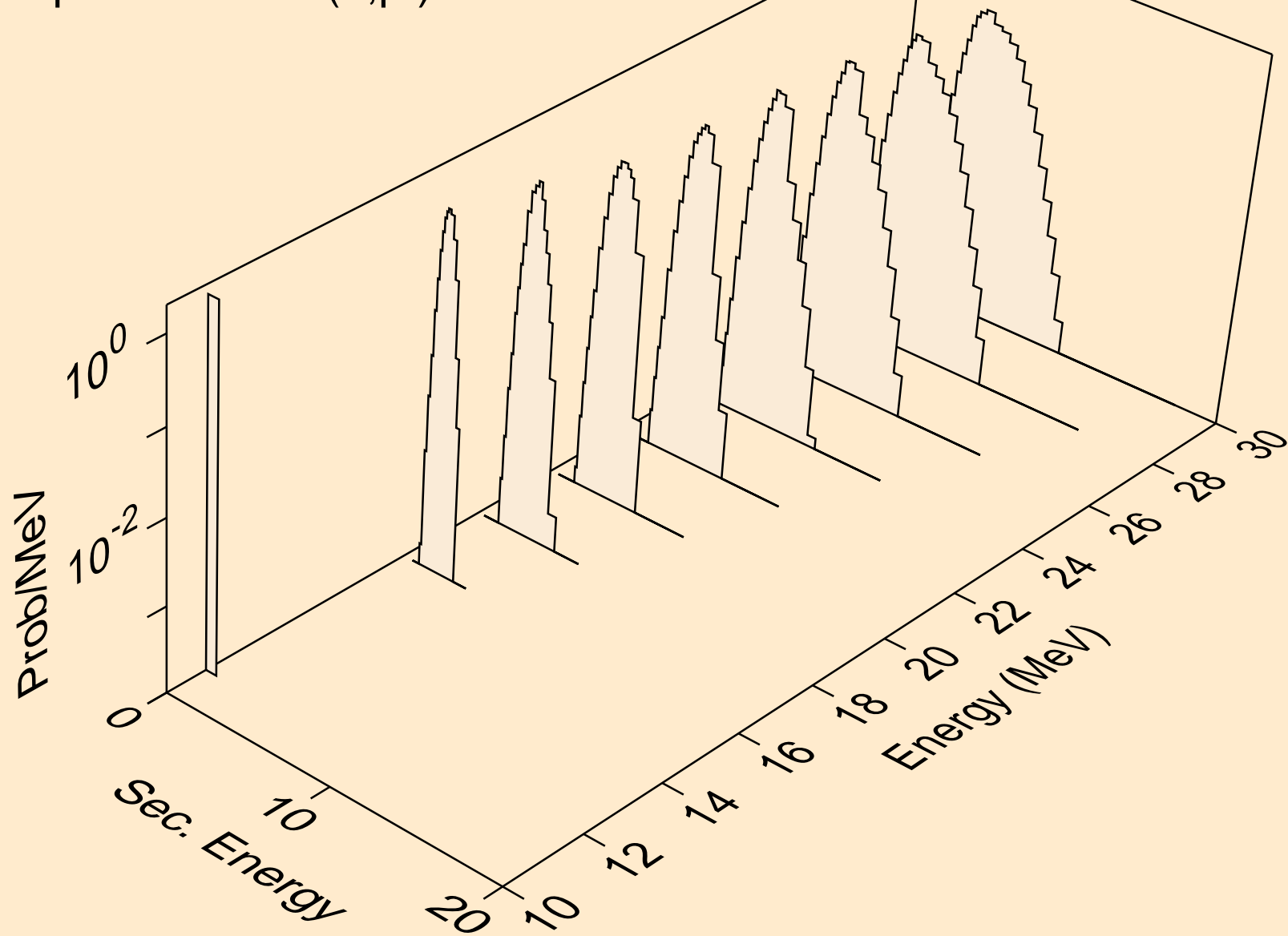
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protons from (n,p)



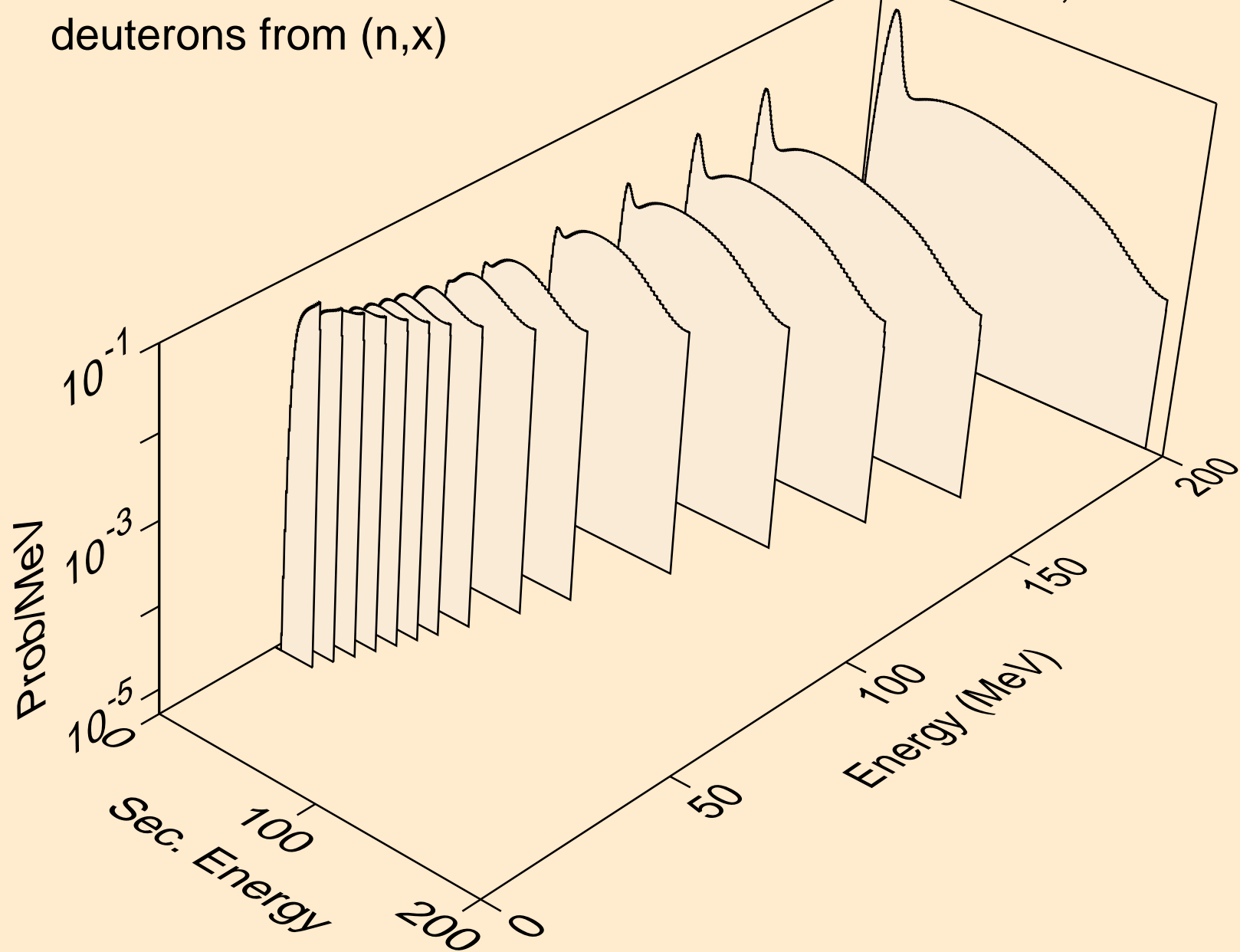
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pd)



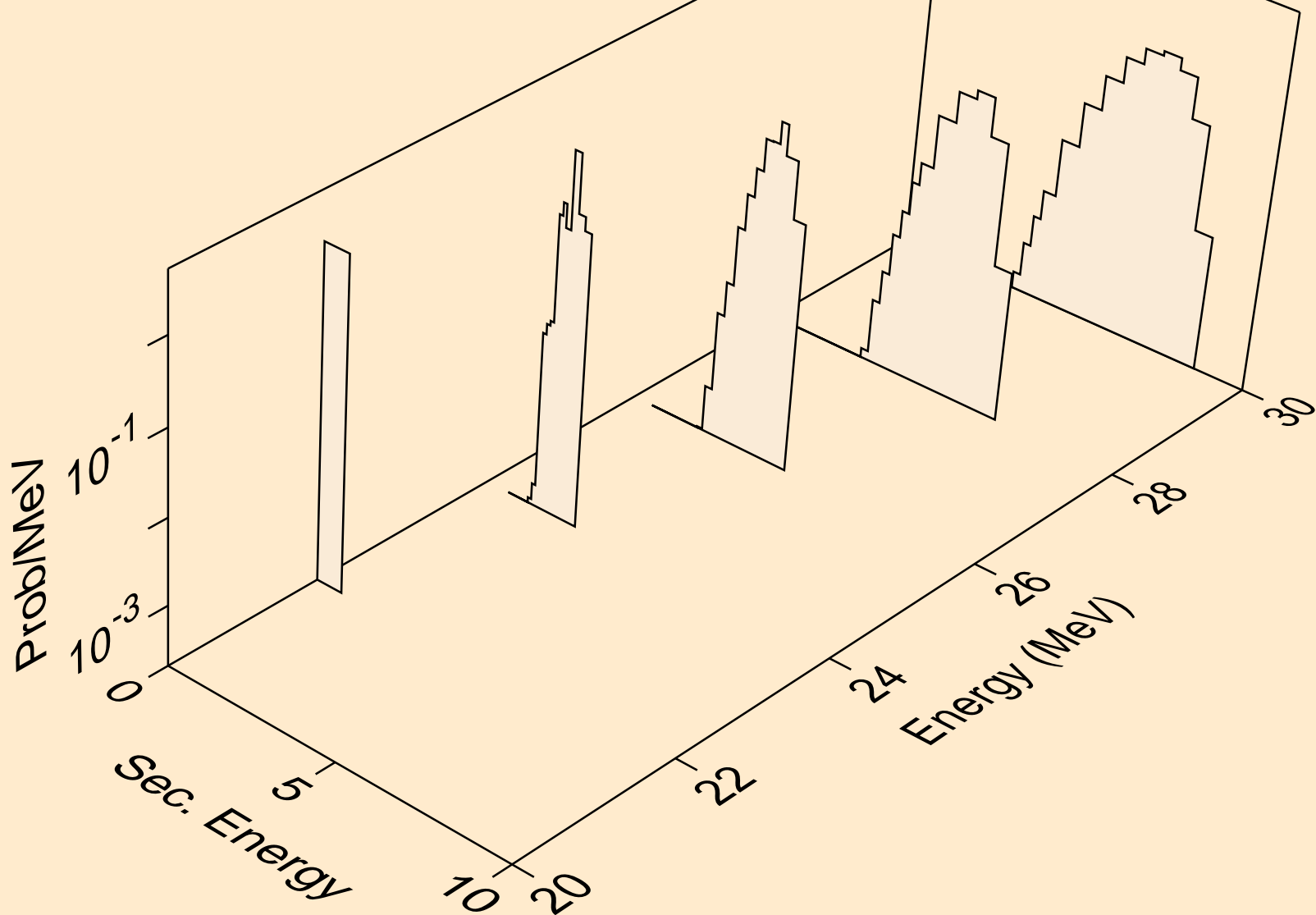
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pt)



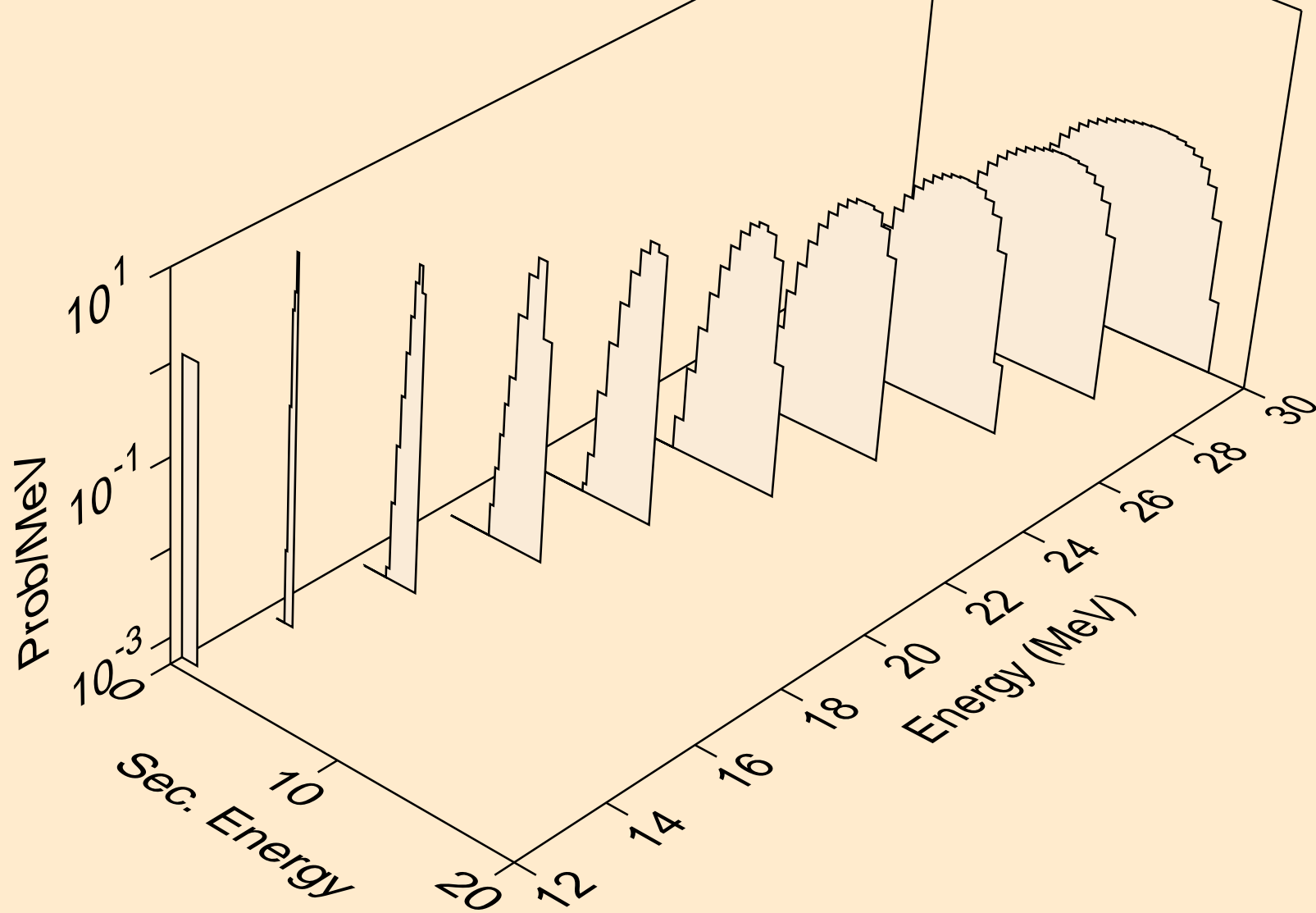
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,x)



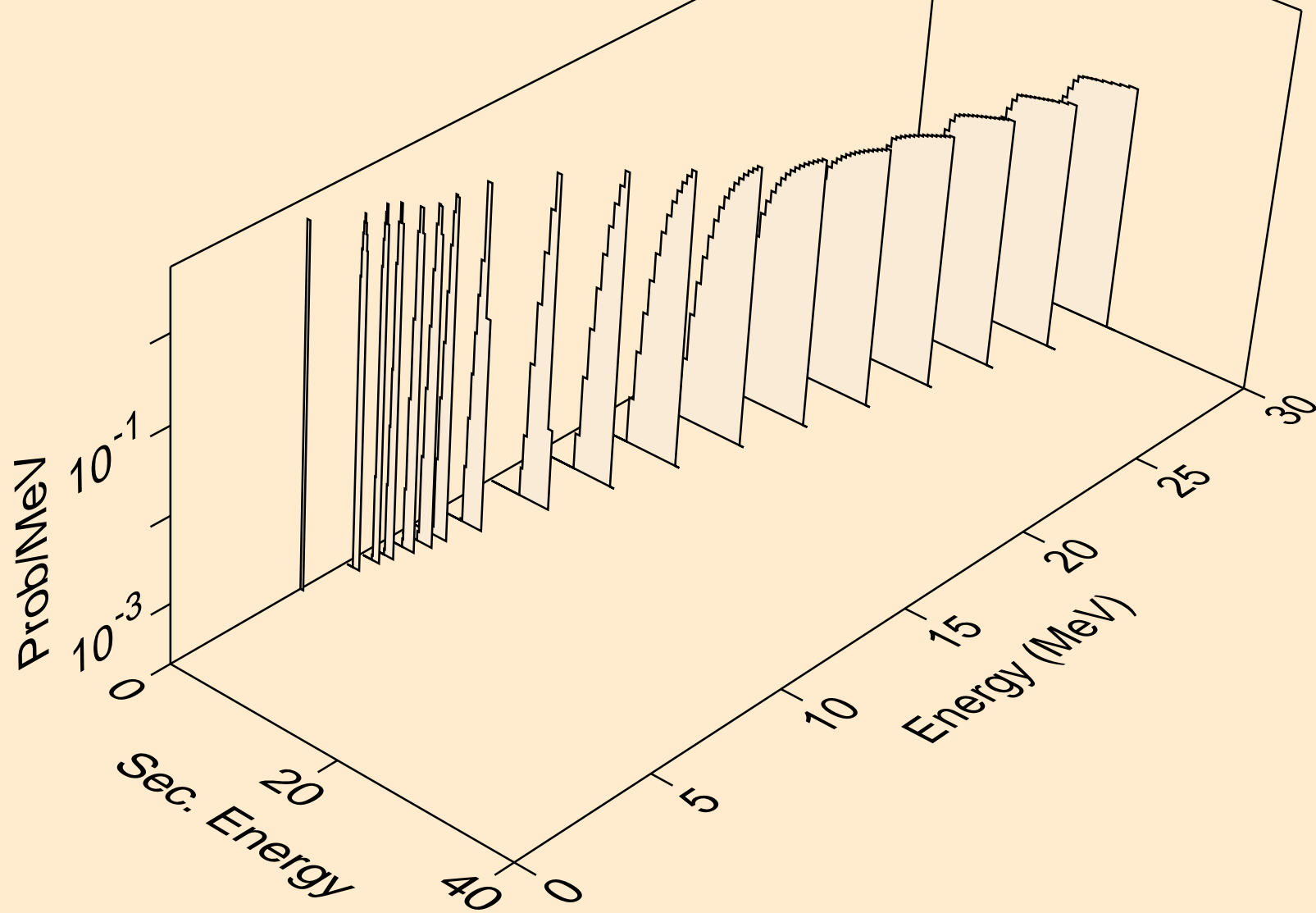
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,2nd)



CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,n\*)d

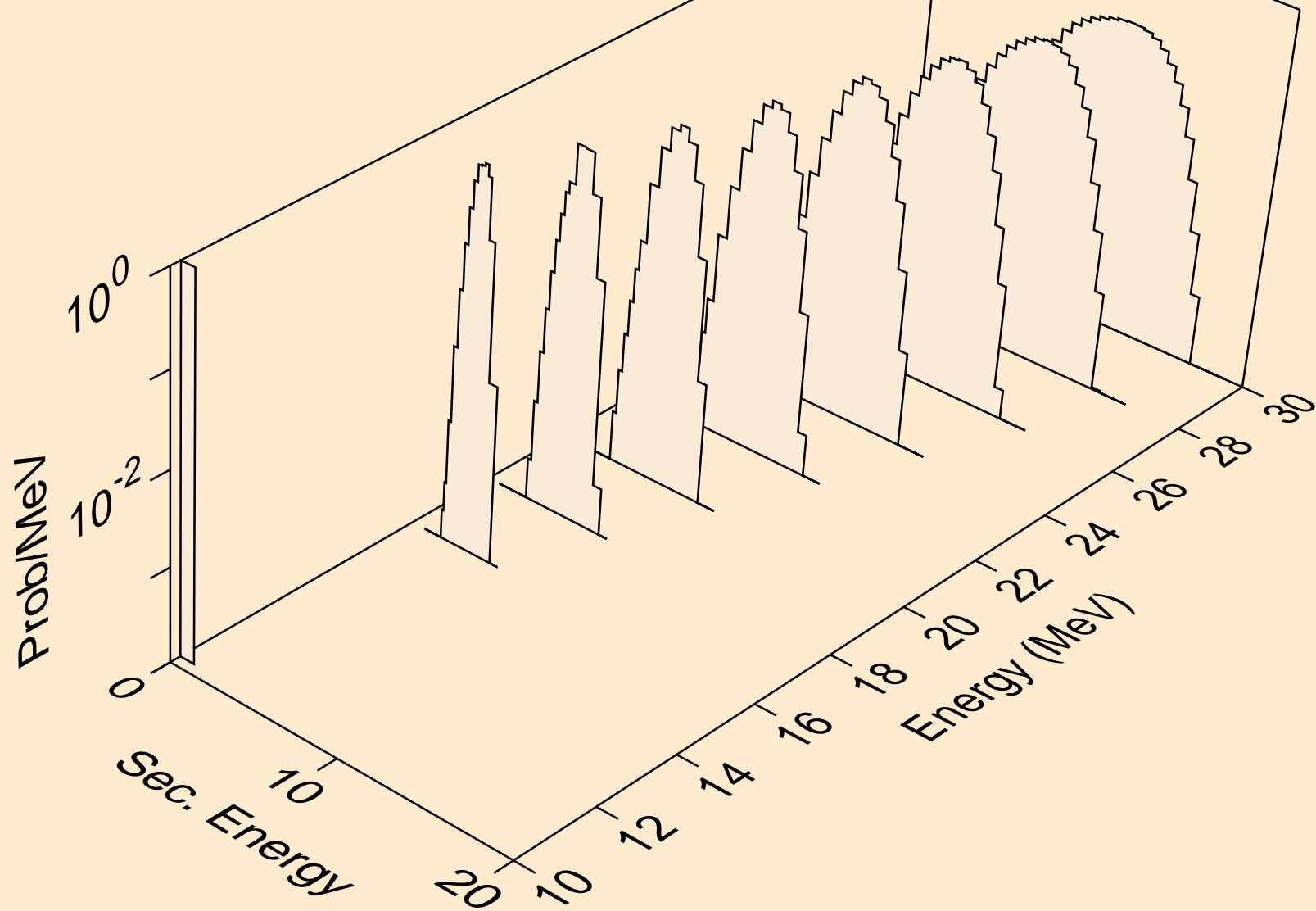


CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,d)

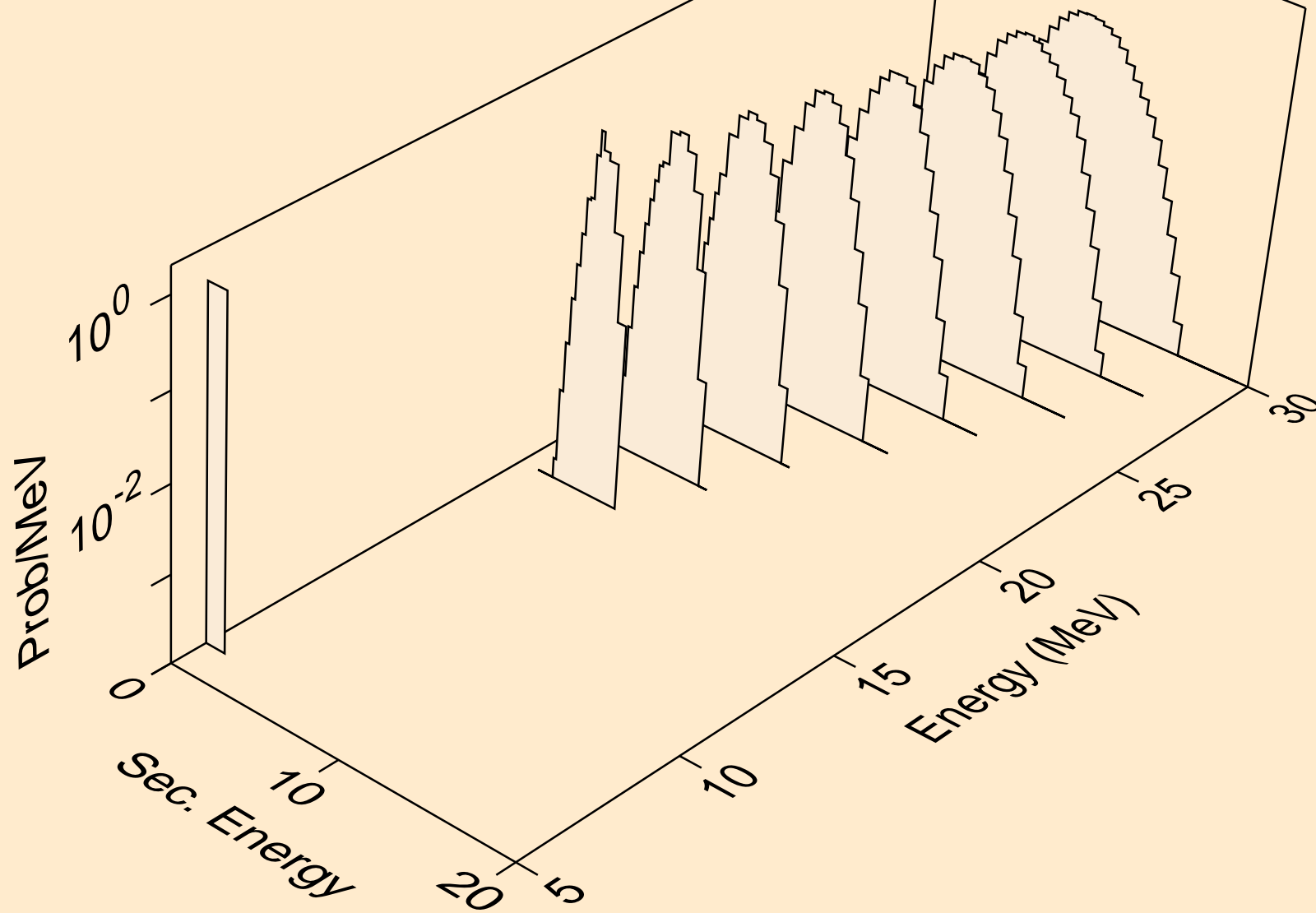




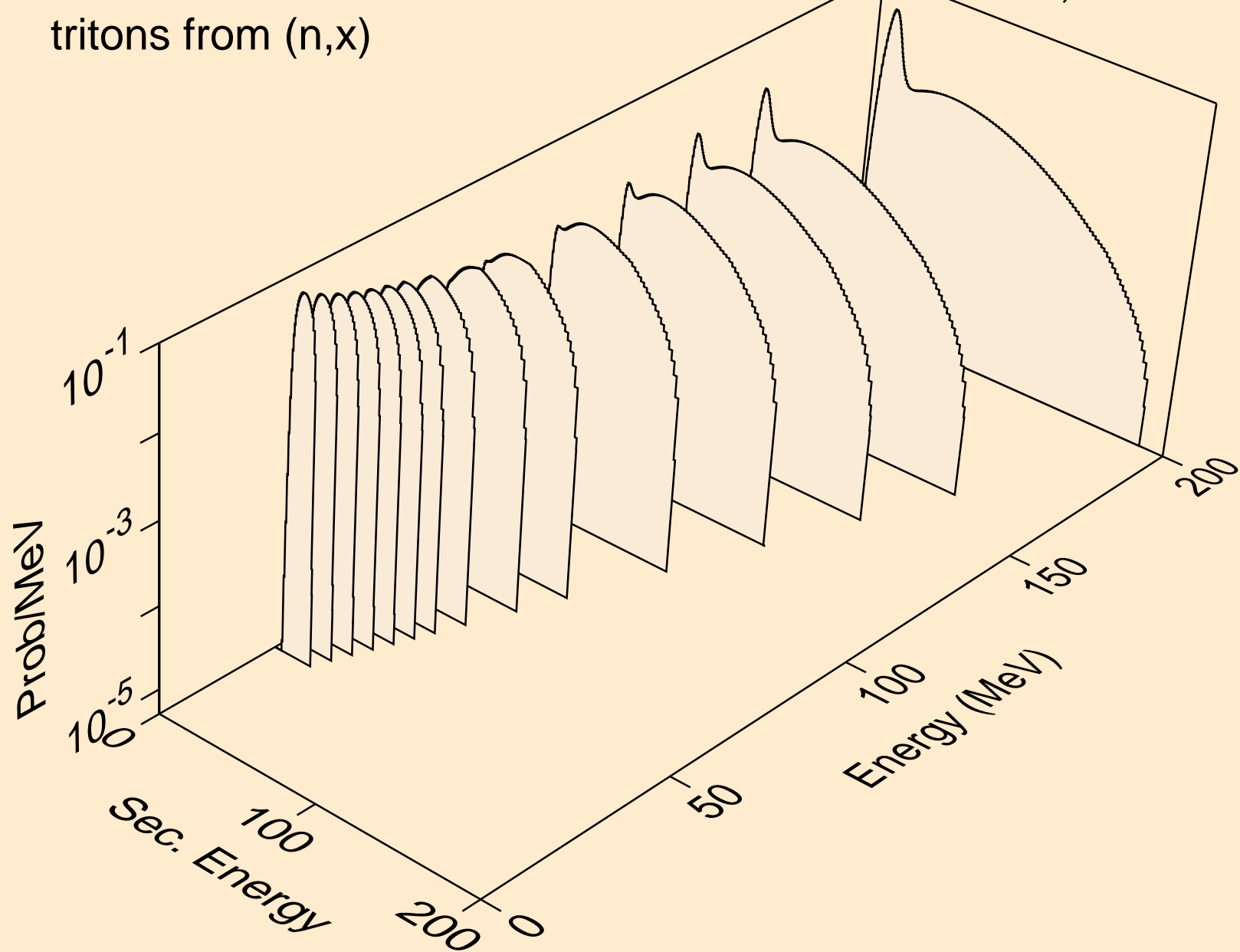
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deuterons from (n,pd)



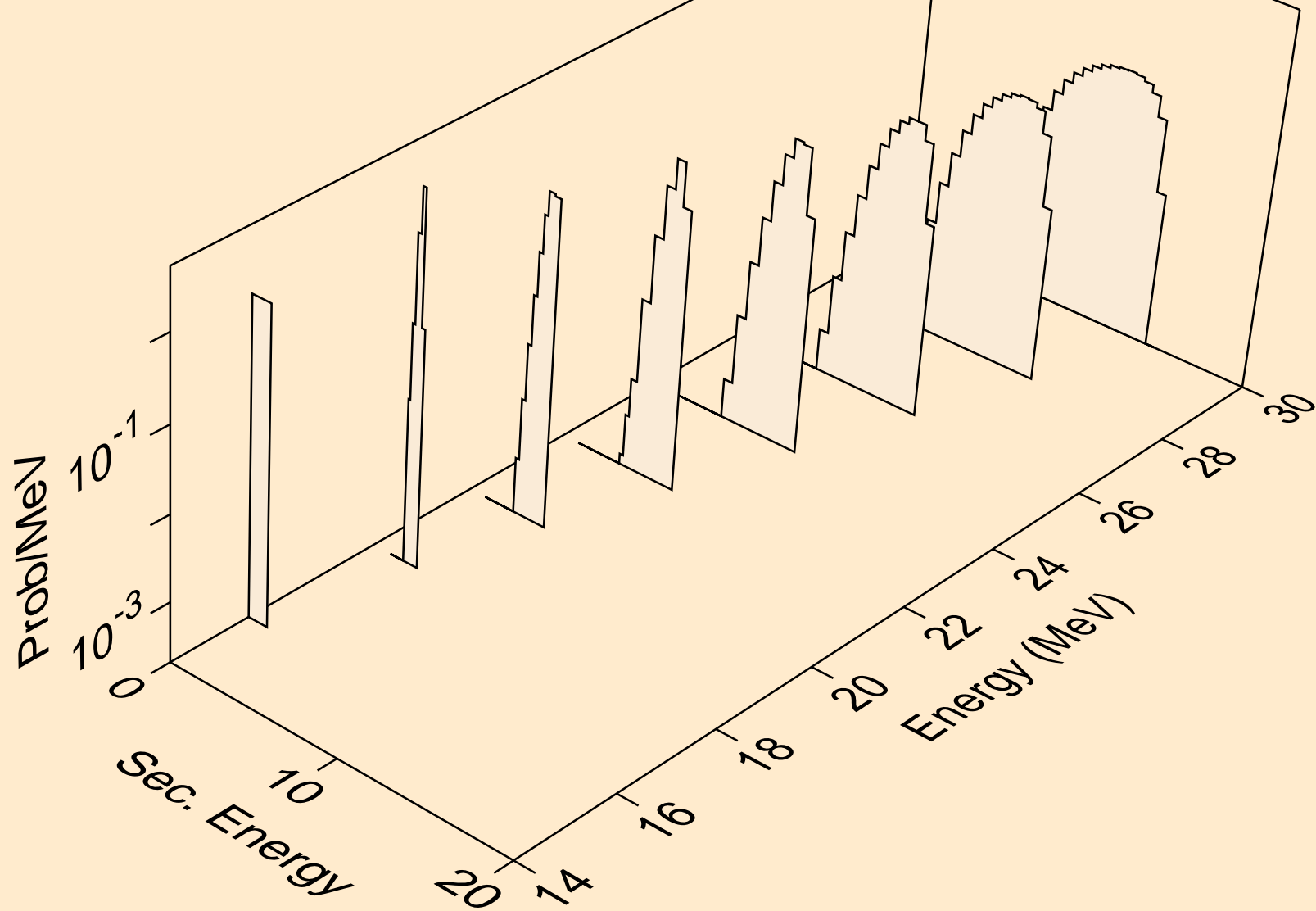
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deuterons from (n,da)



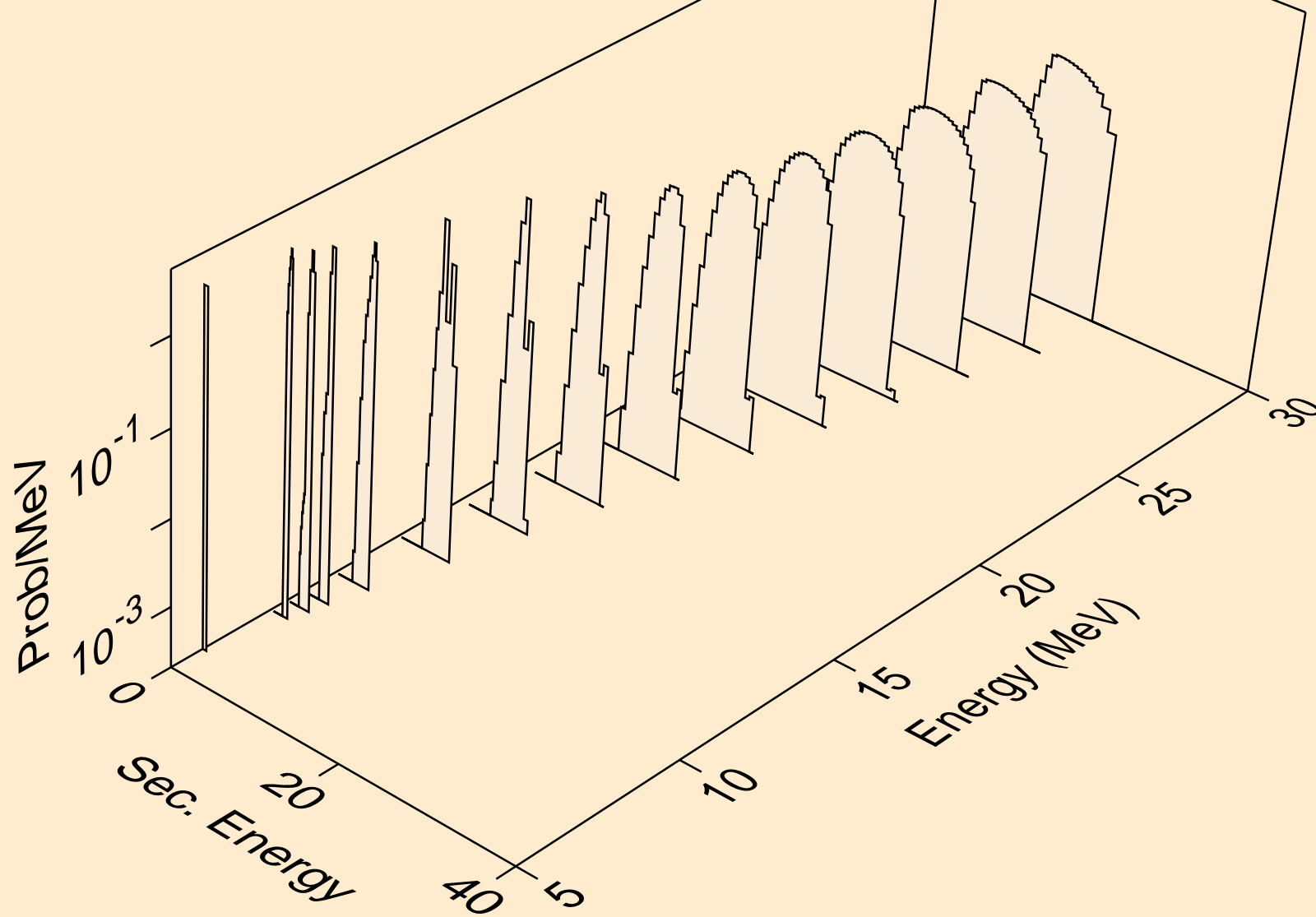
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tritons from (n,x)



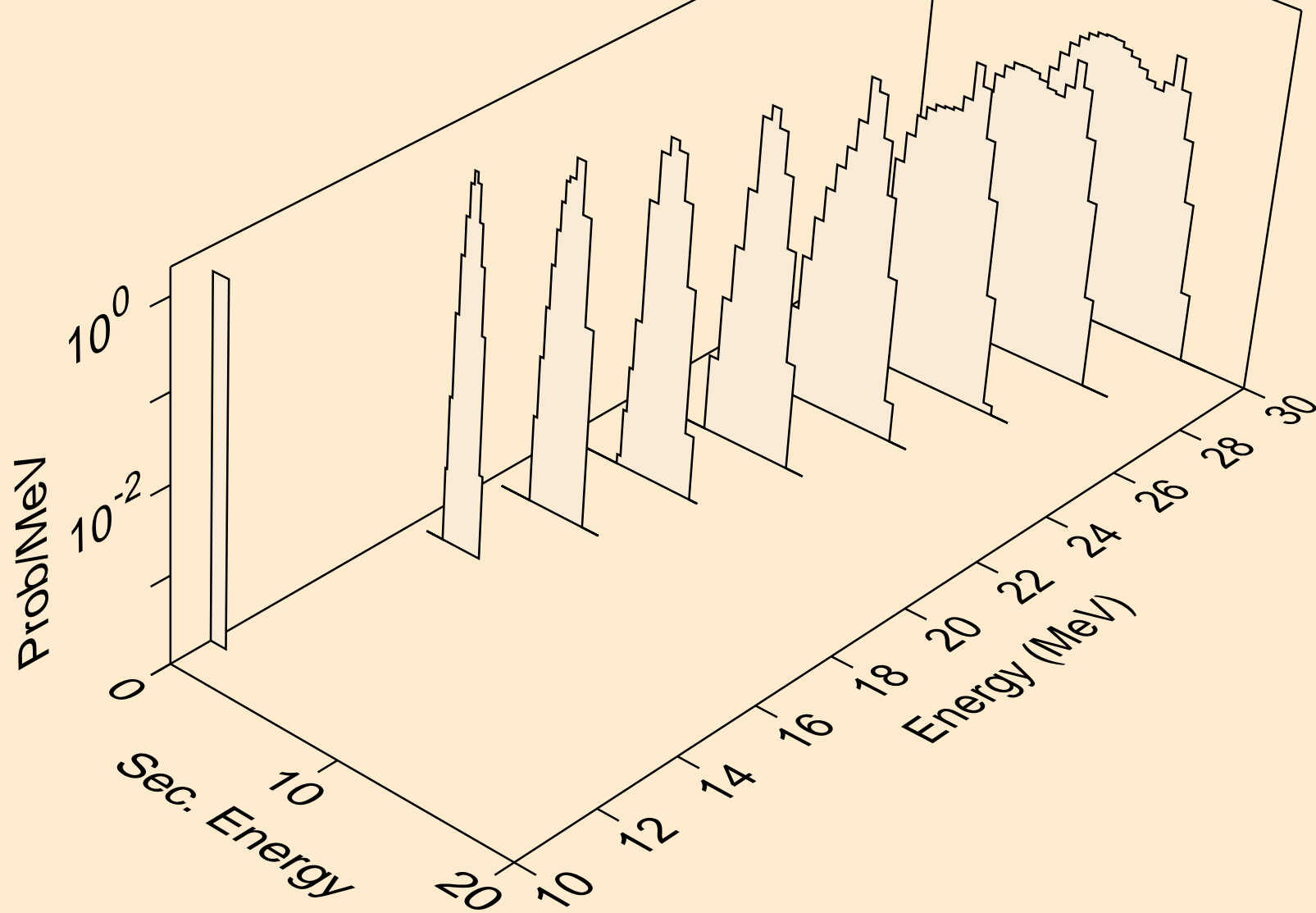
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tritons from (n,n\*)t



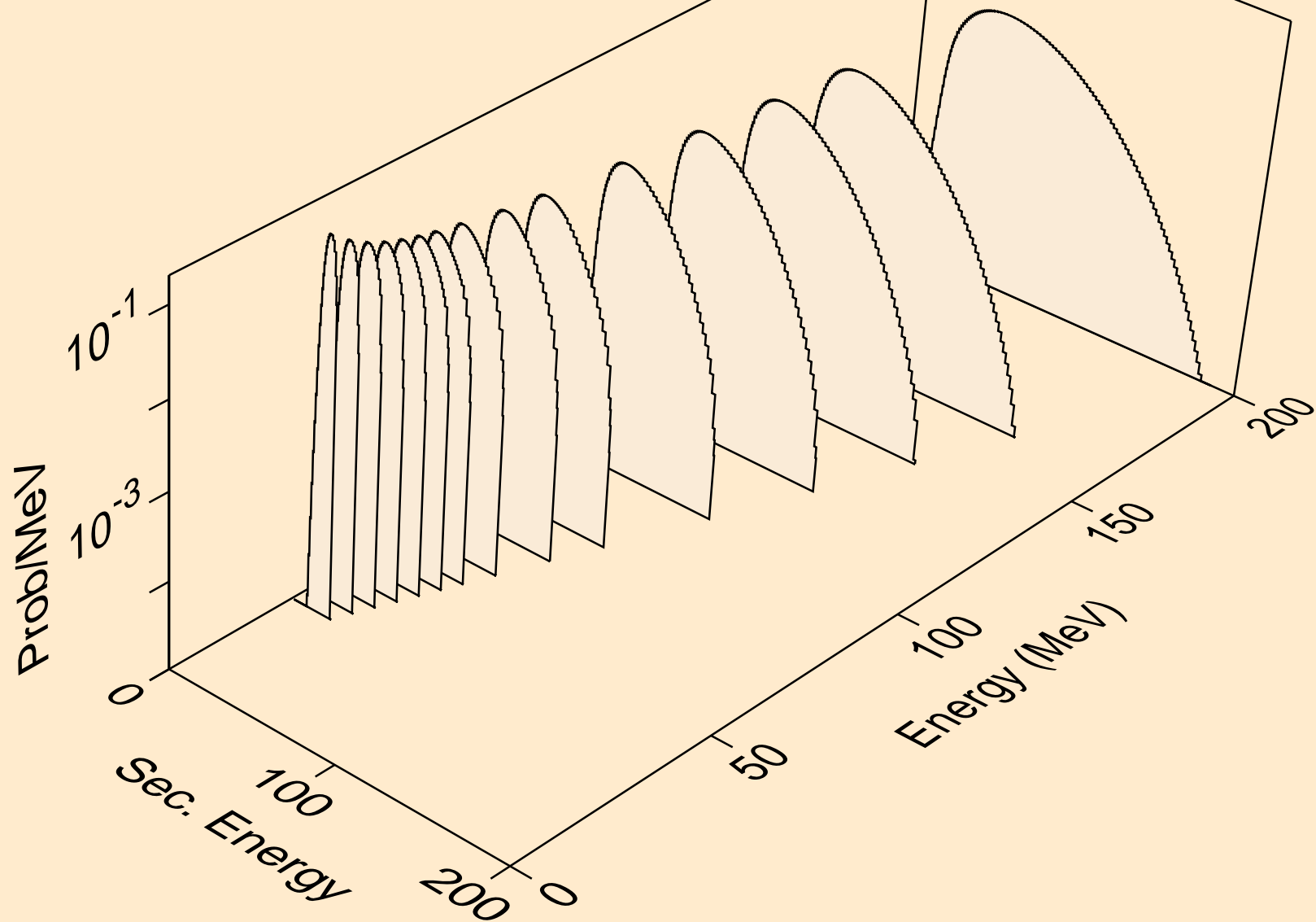
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tritons from (n,t)



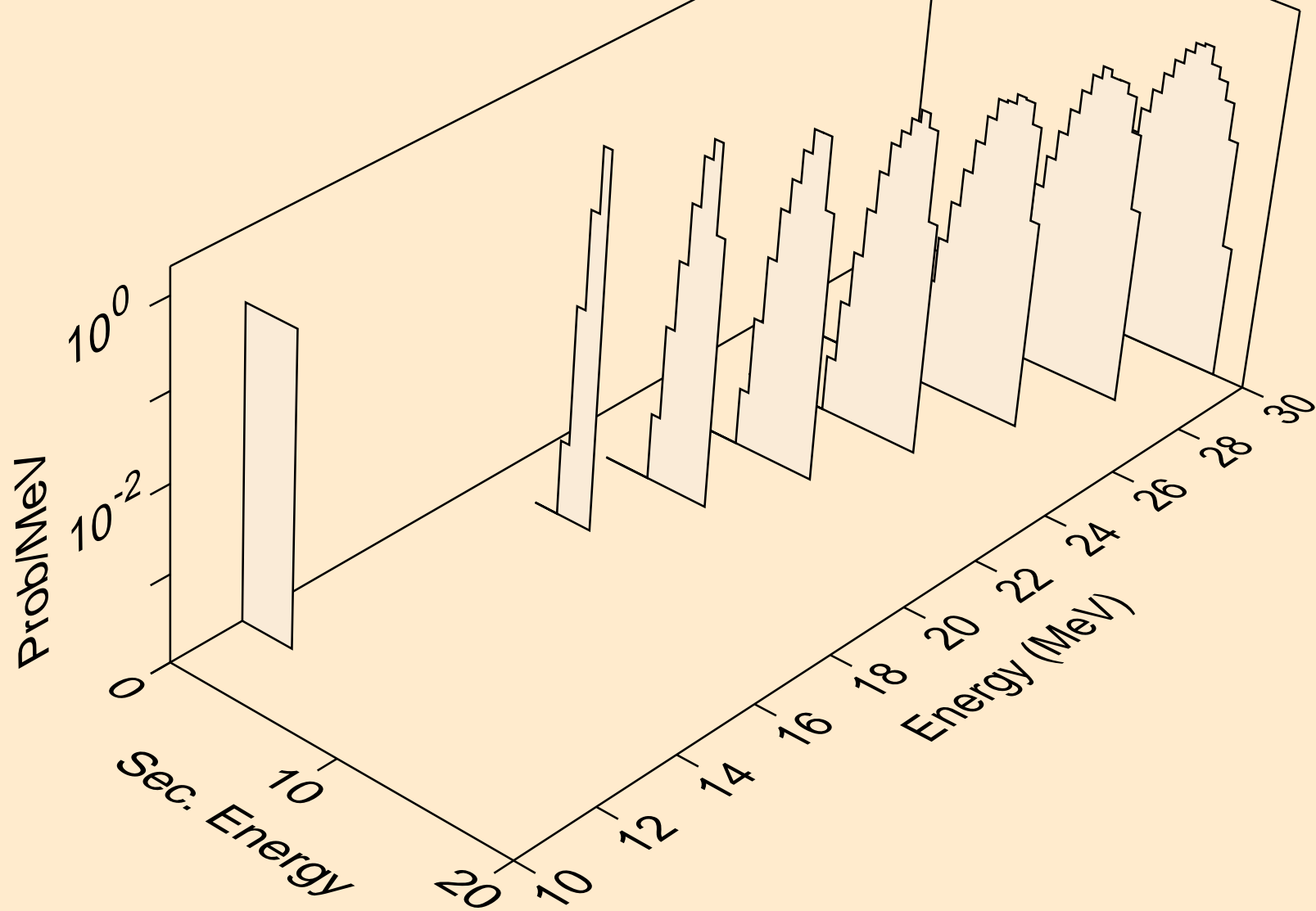
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,pt)



CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)

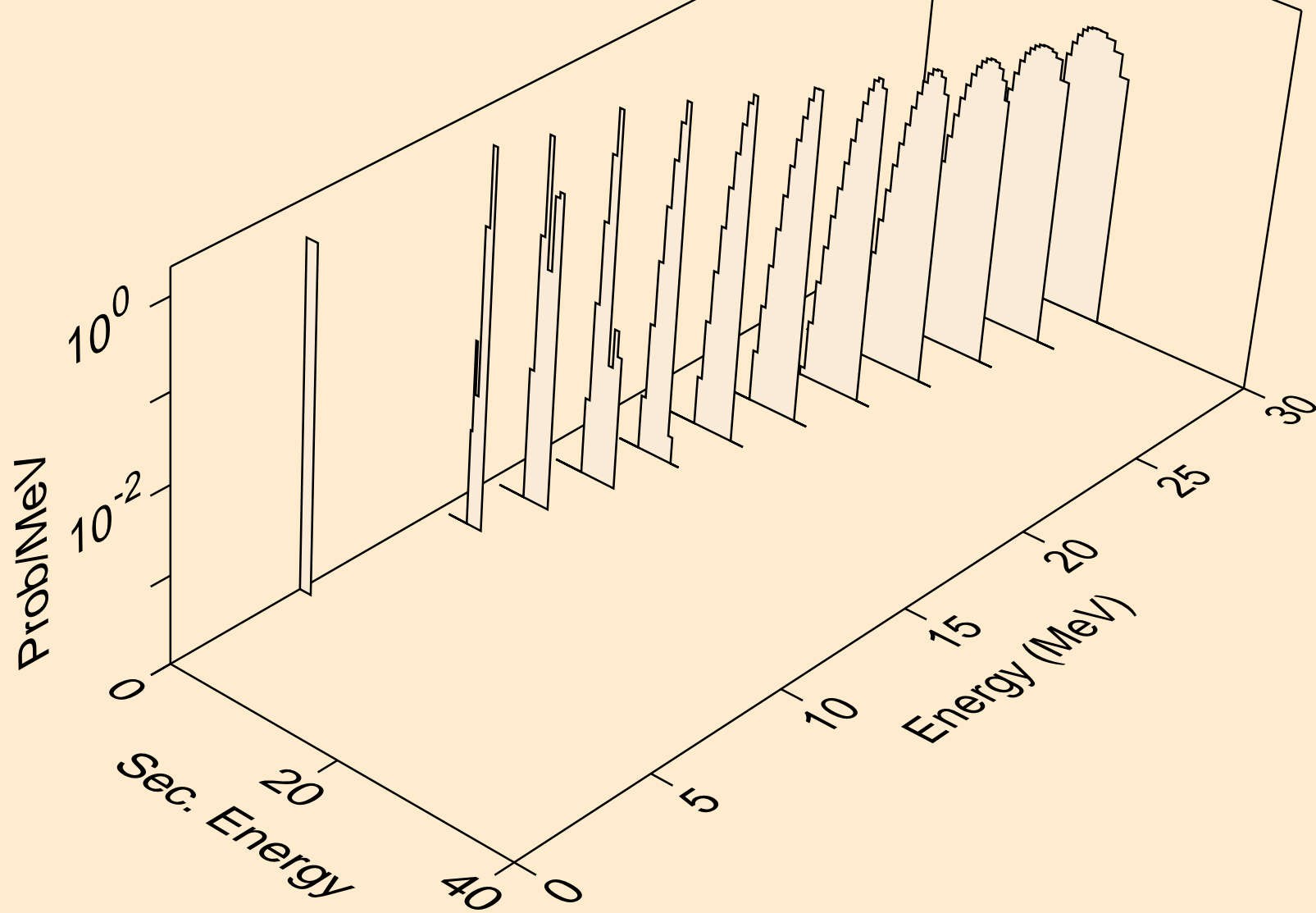


CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,n\*)he3

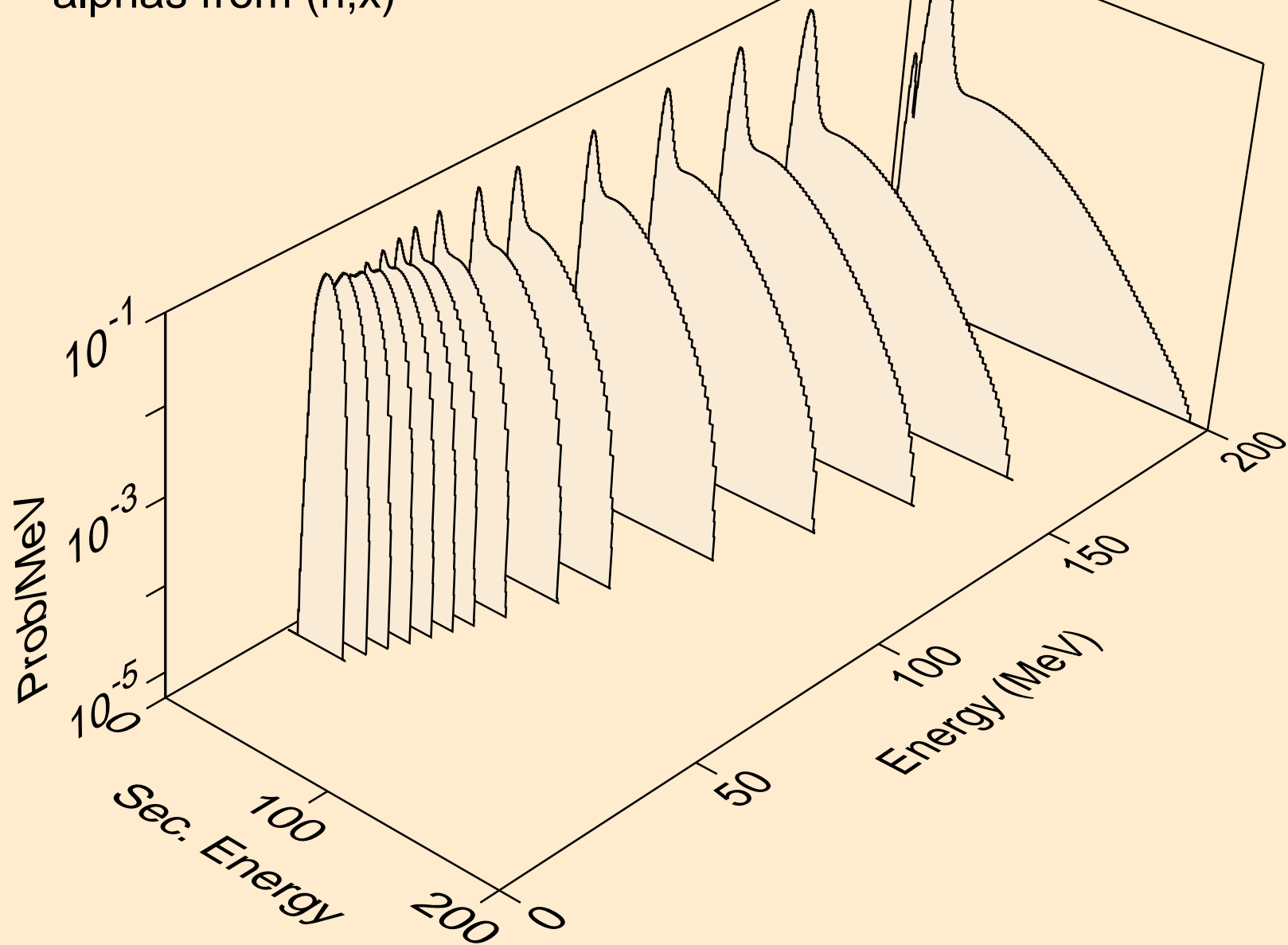




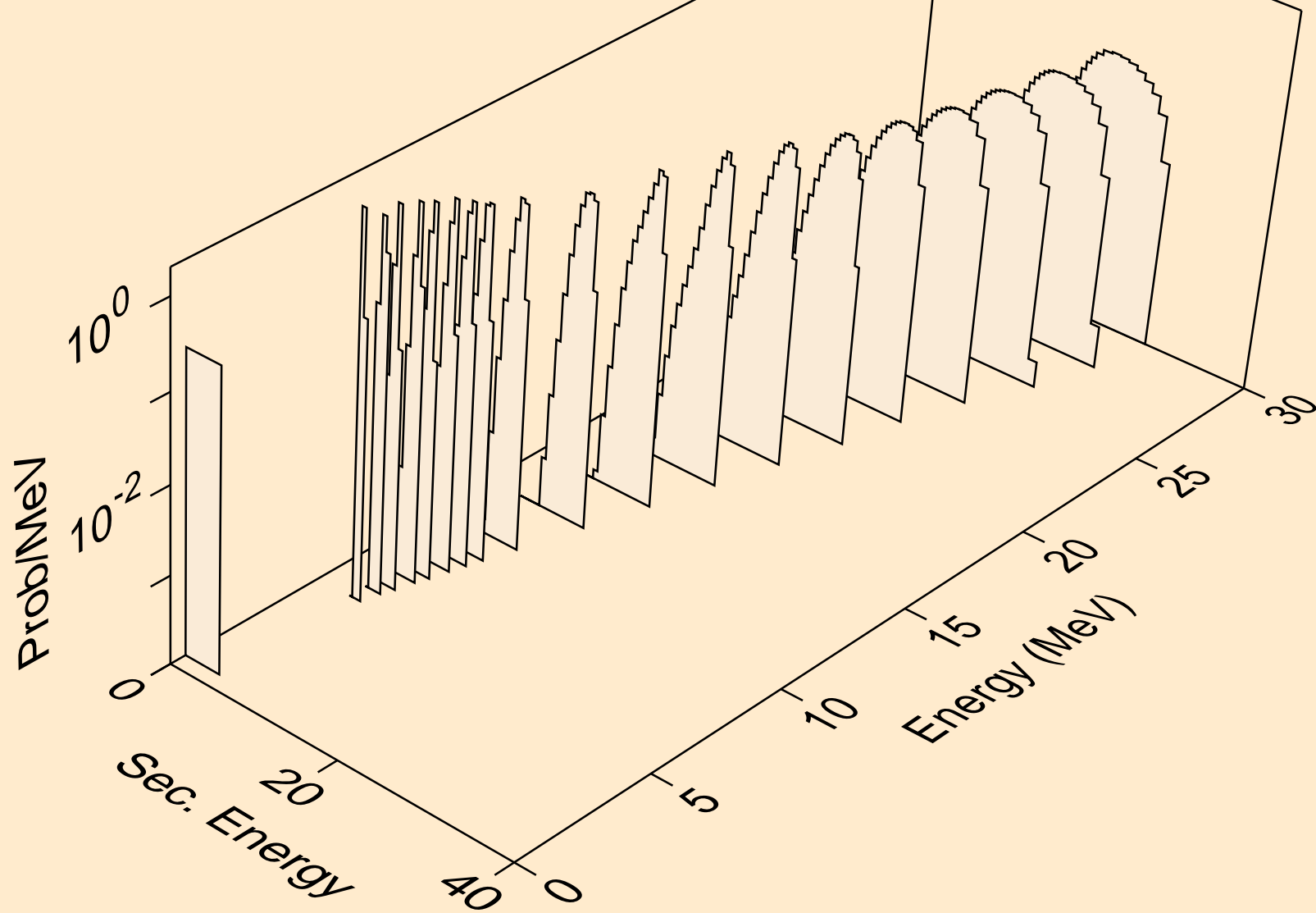
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he3s from (n,he3)



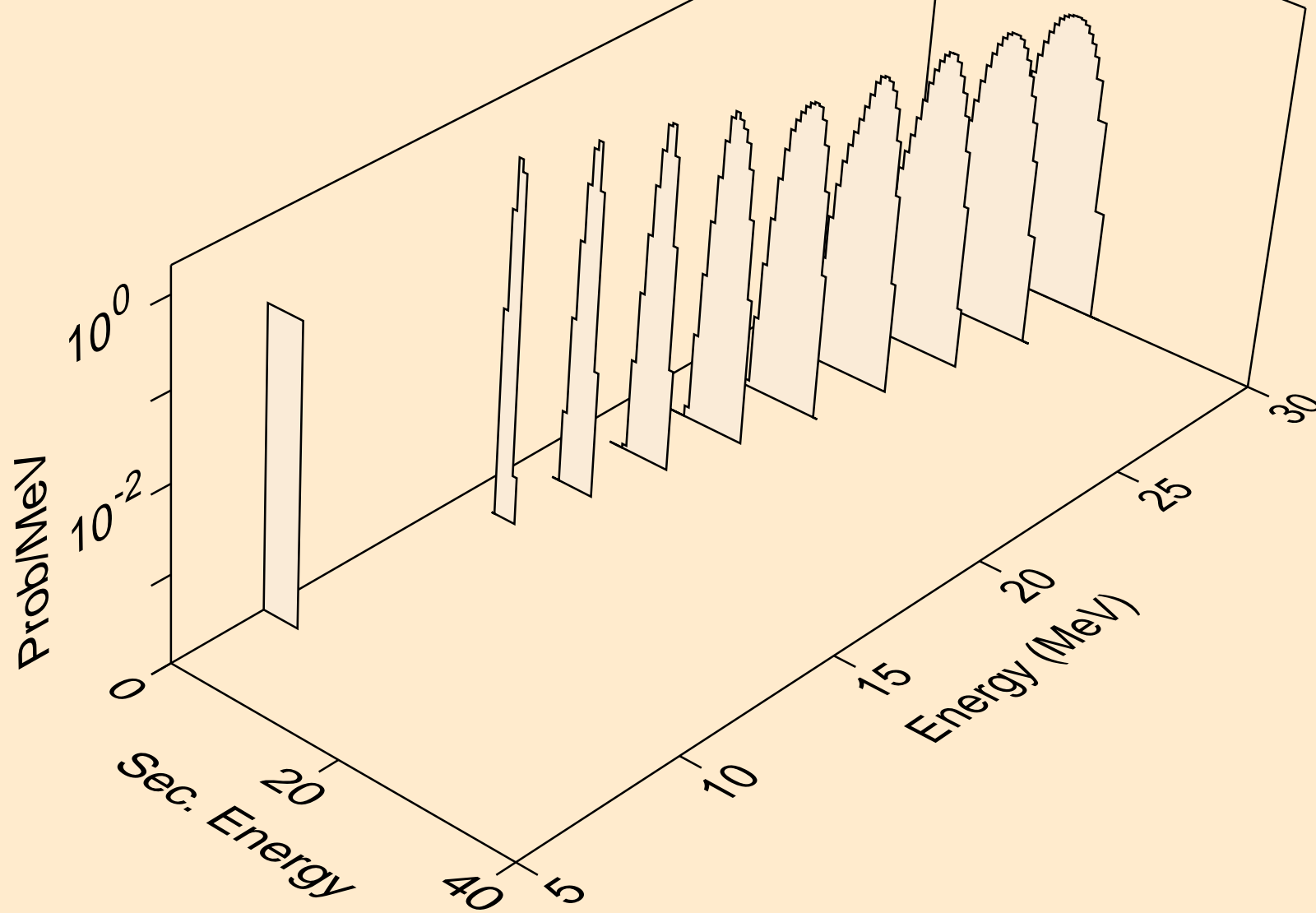
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alphas from (n,x)



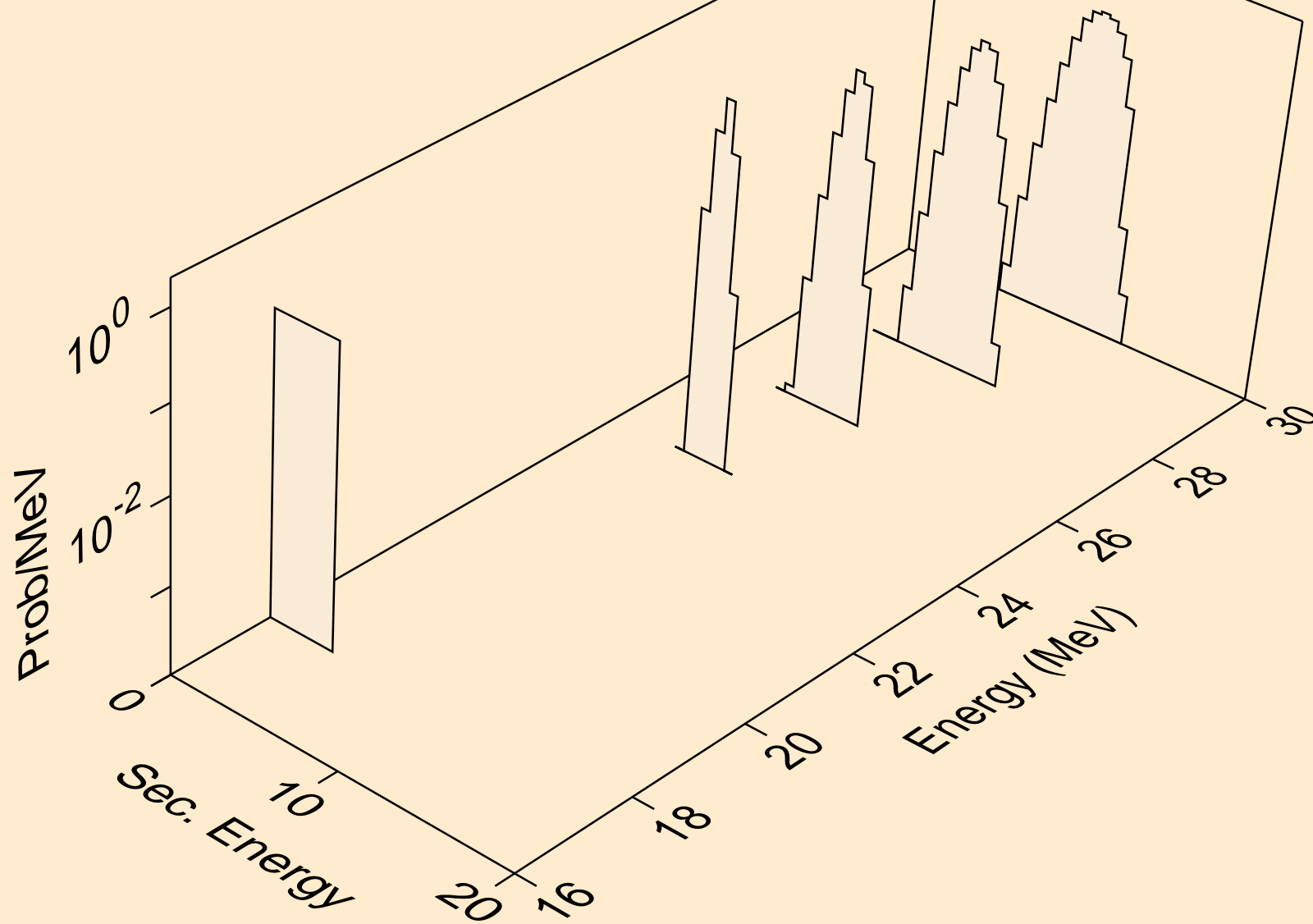
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a



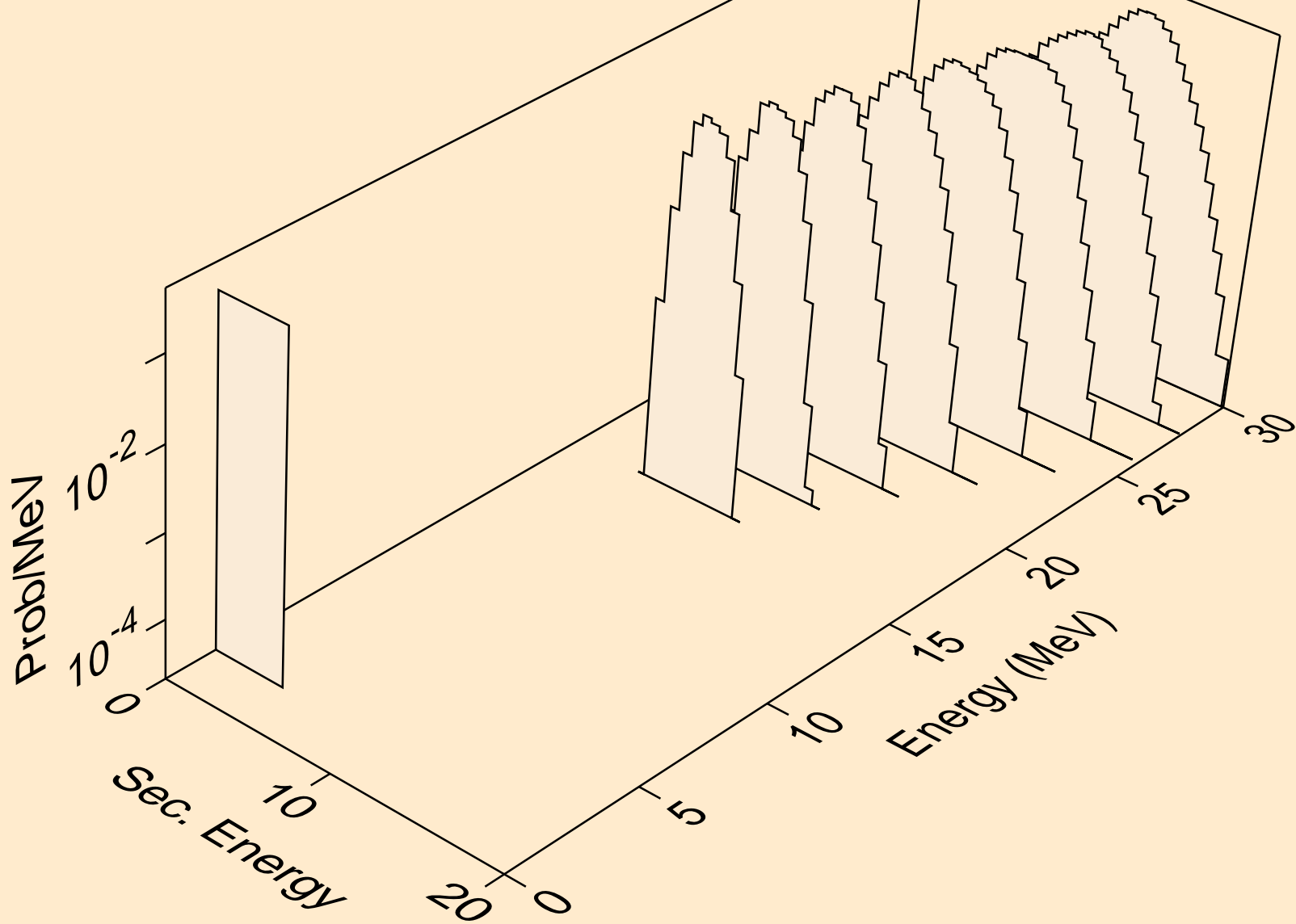
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a



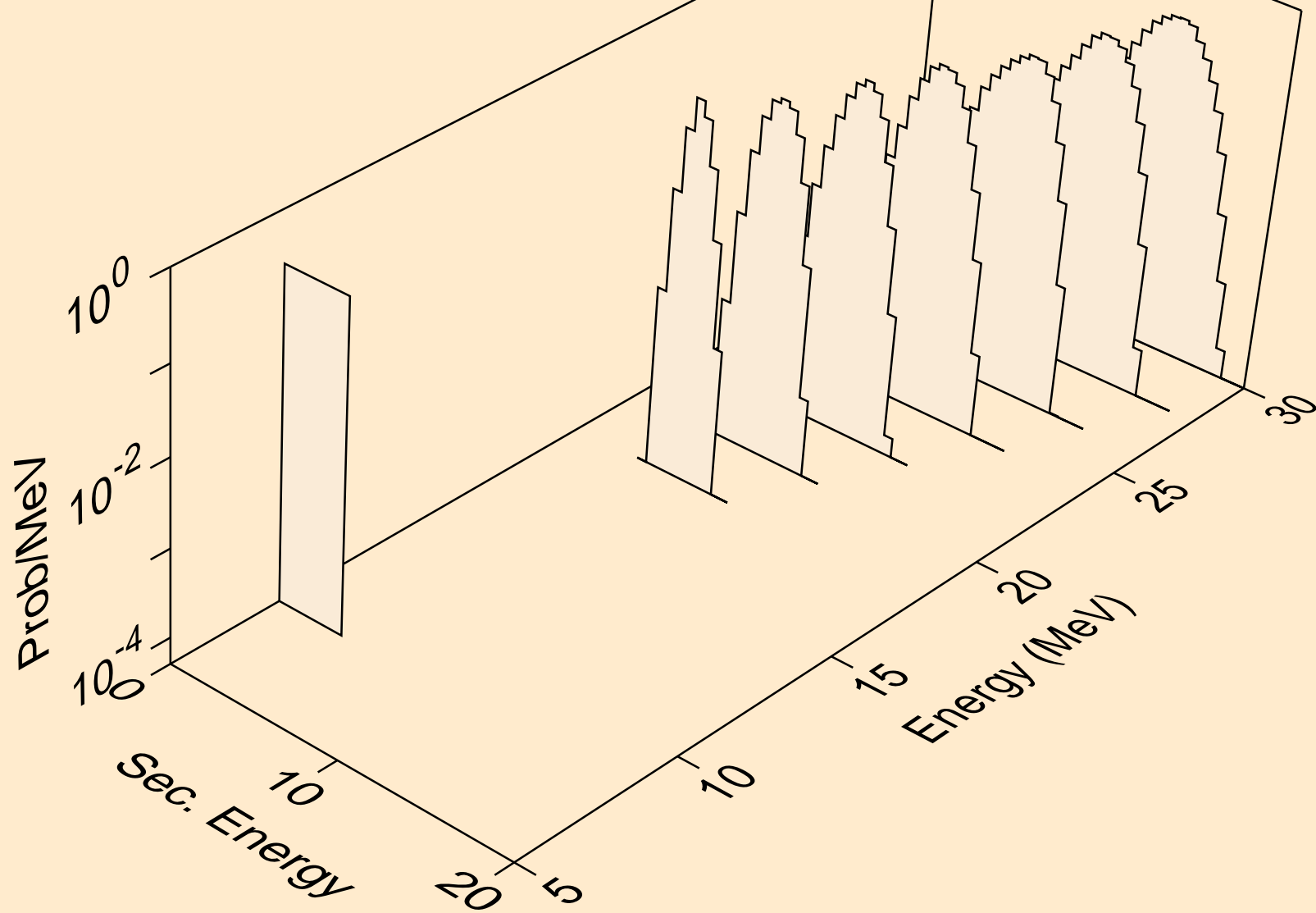
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3n)a



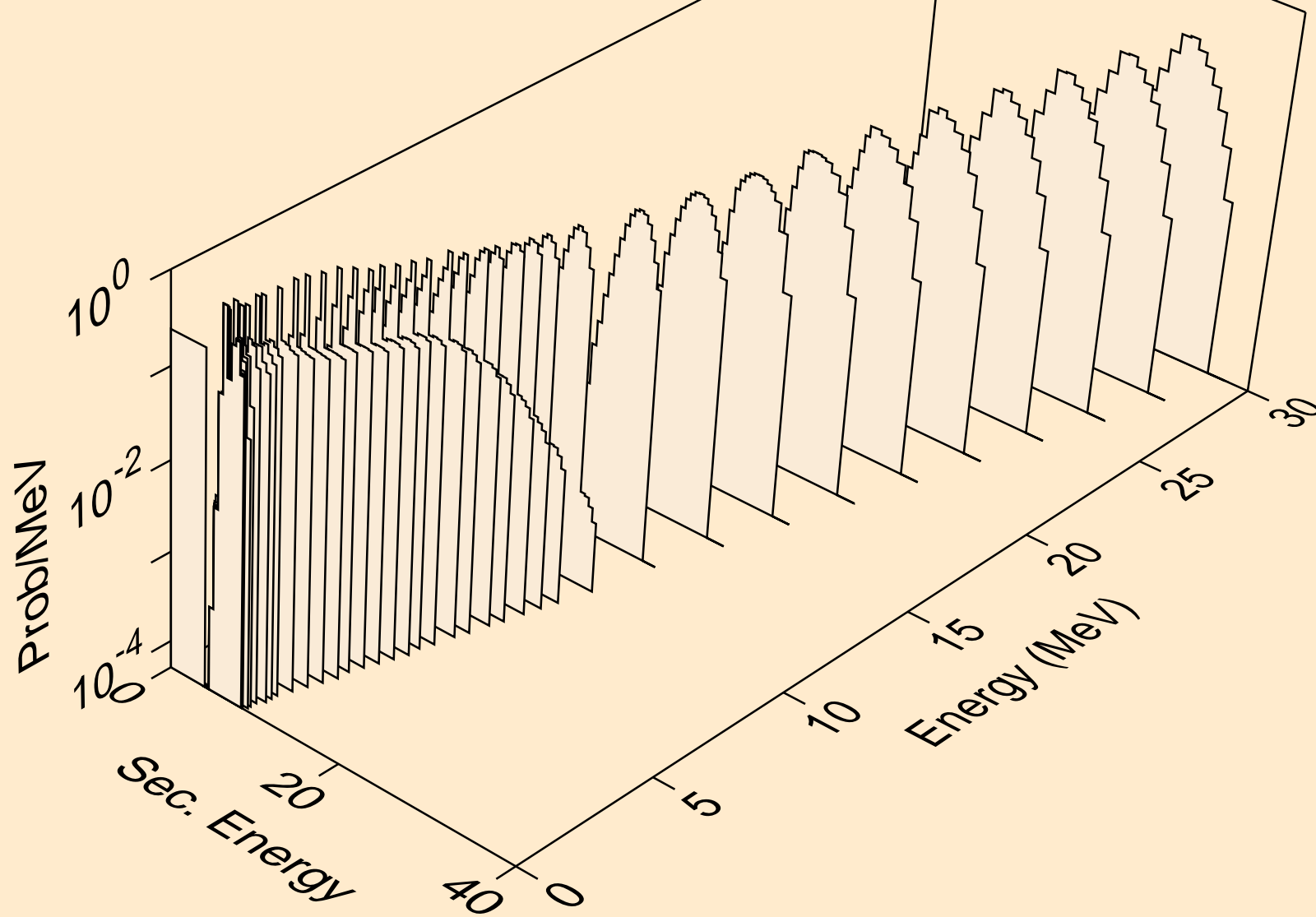
CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)2a



CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)

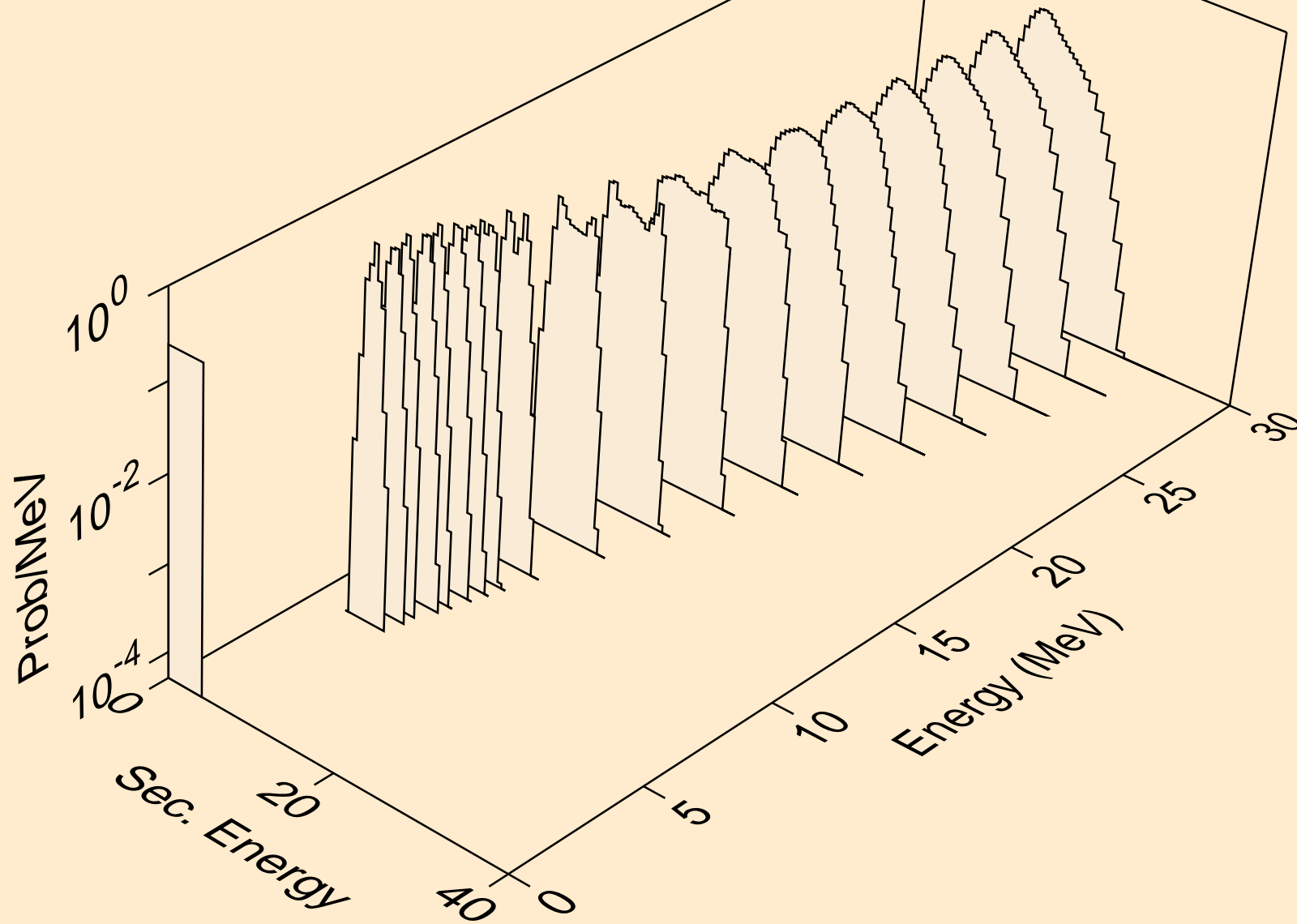


CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)

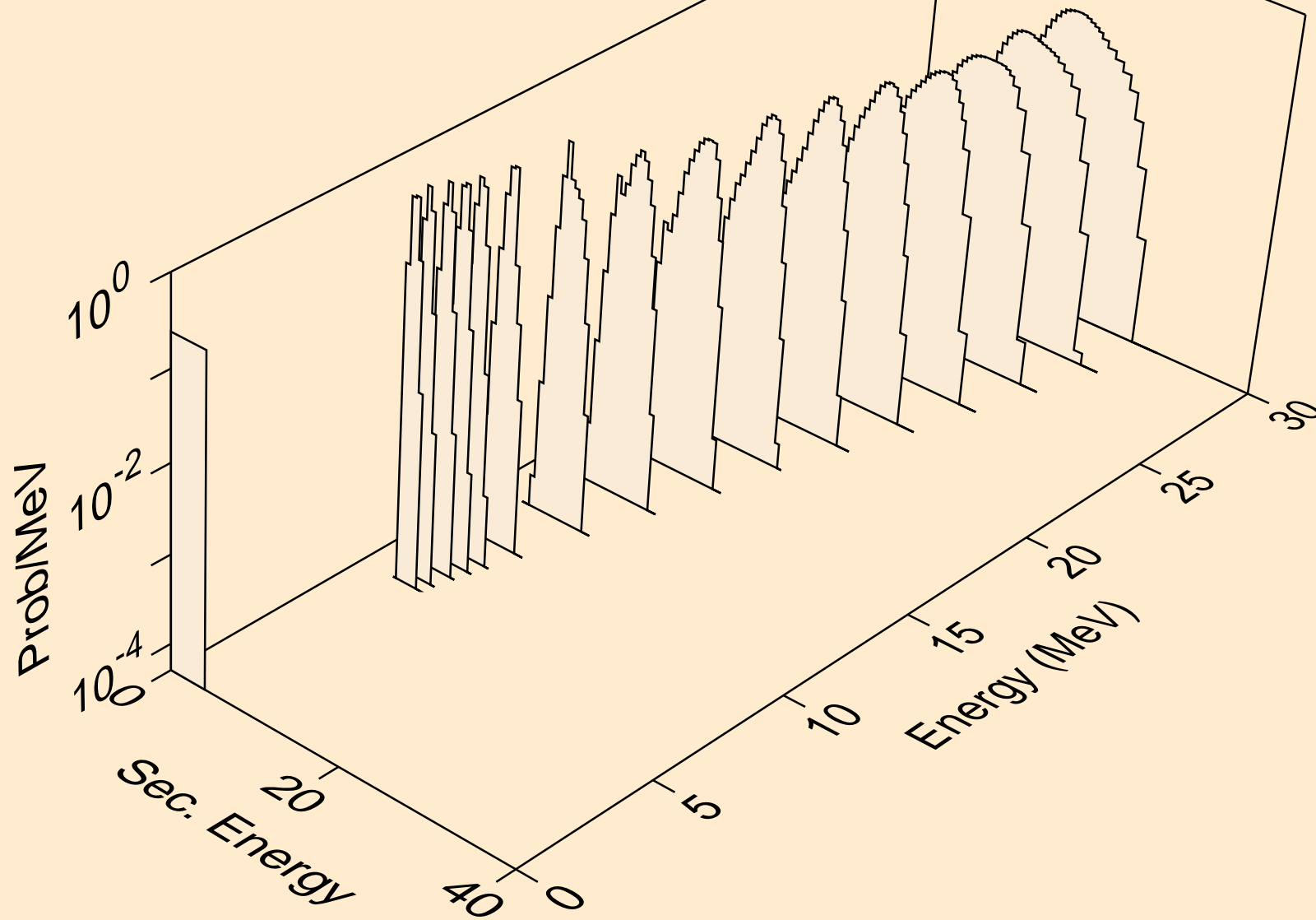




CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)



CE137M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

