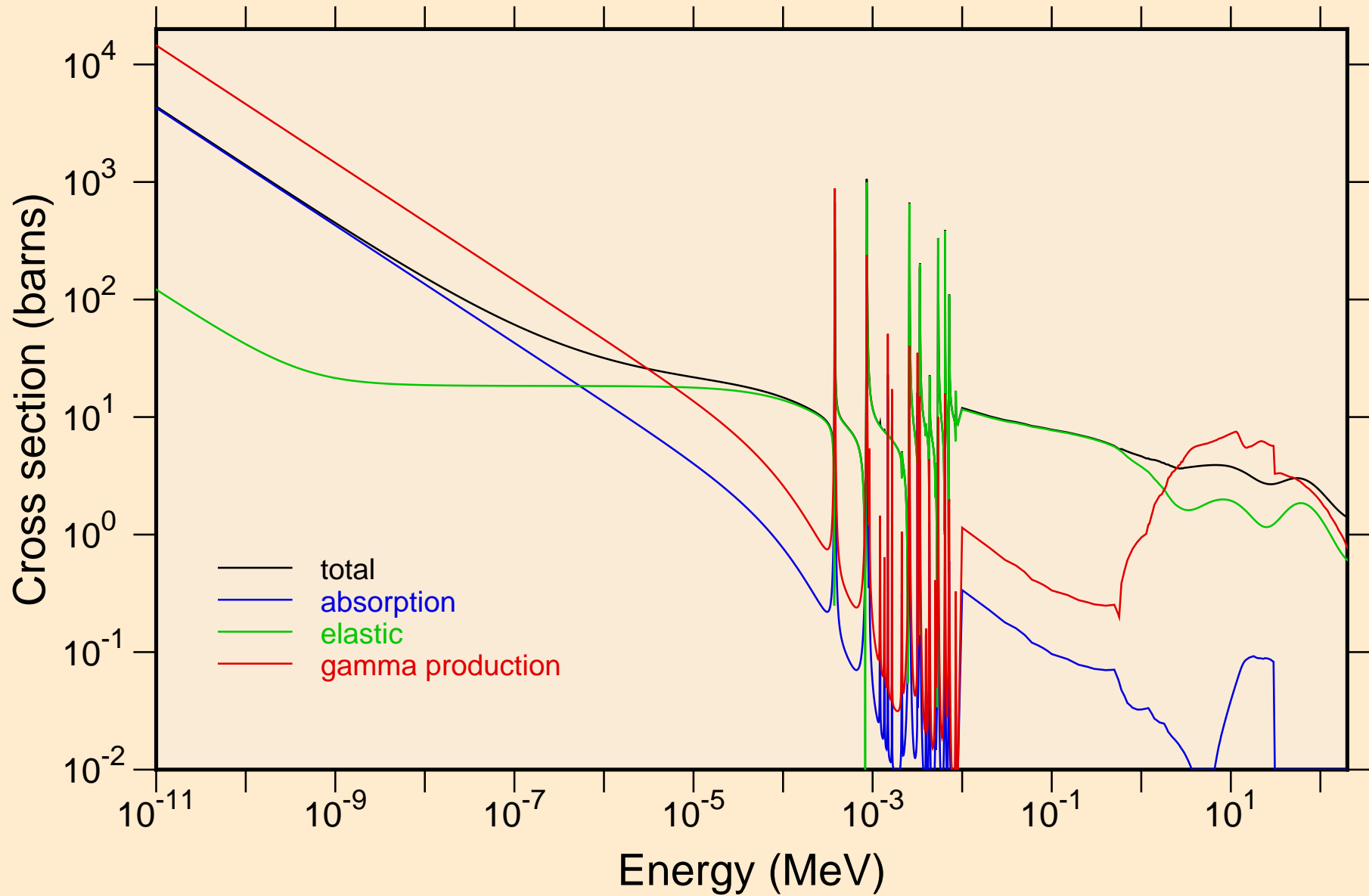
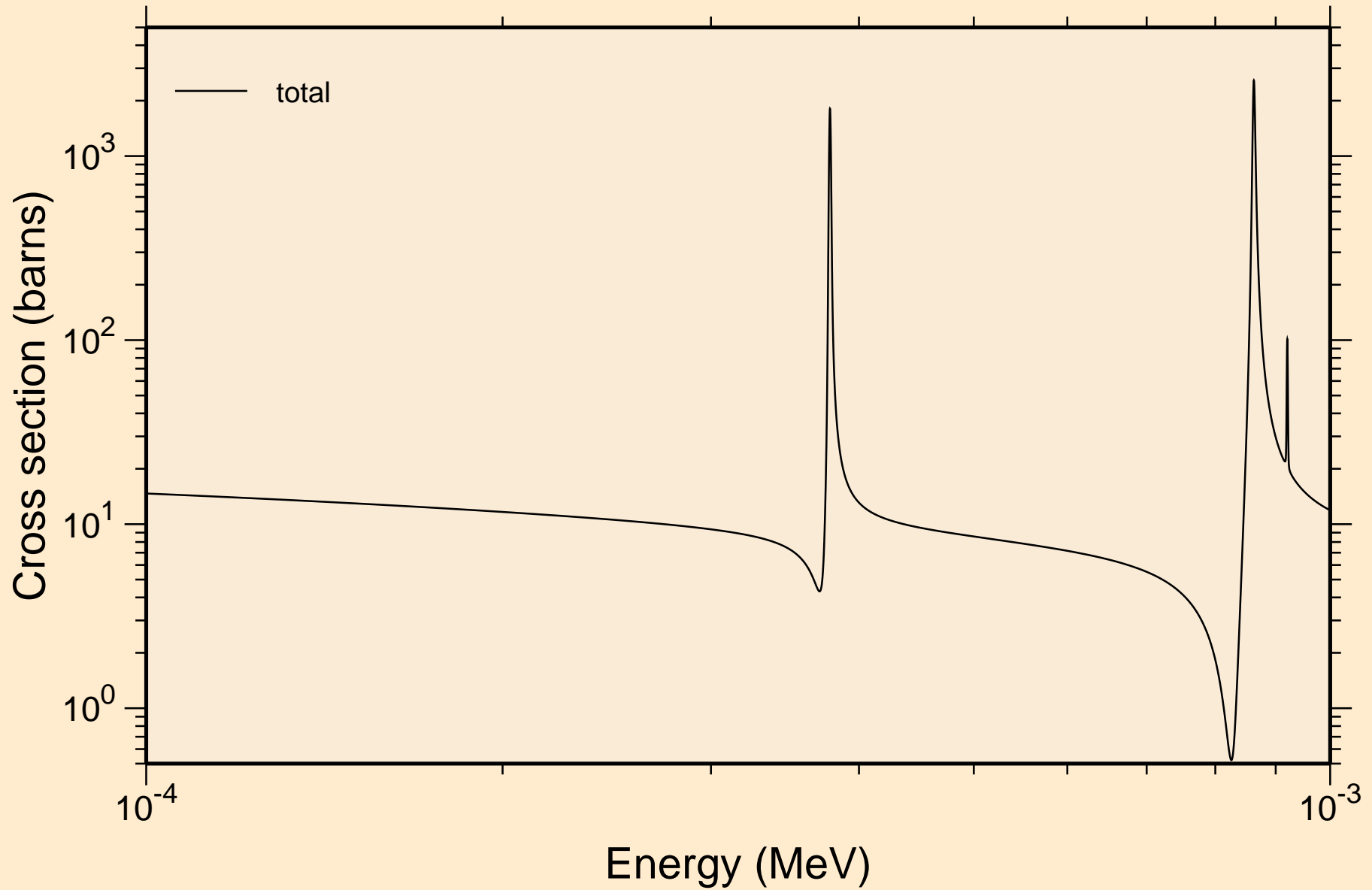


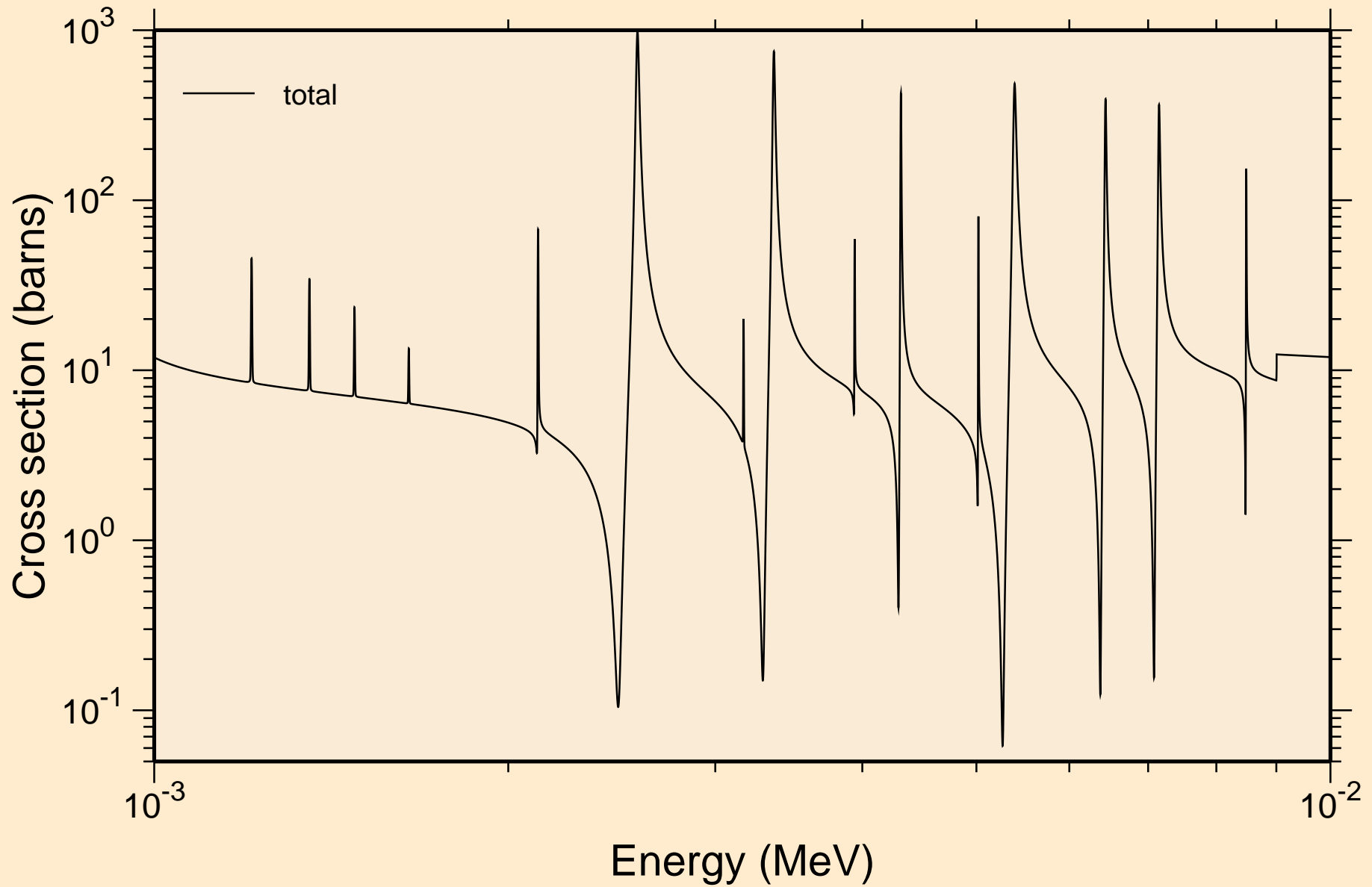
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Principal cross sections



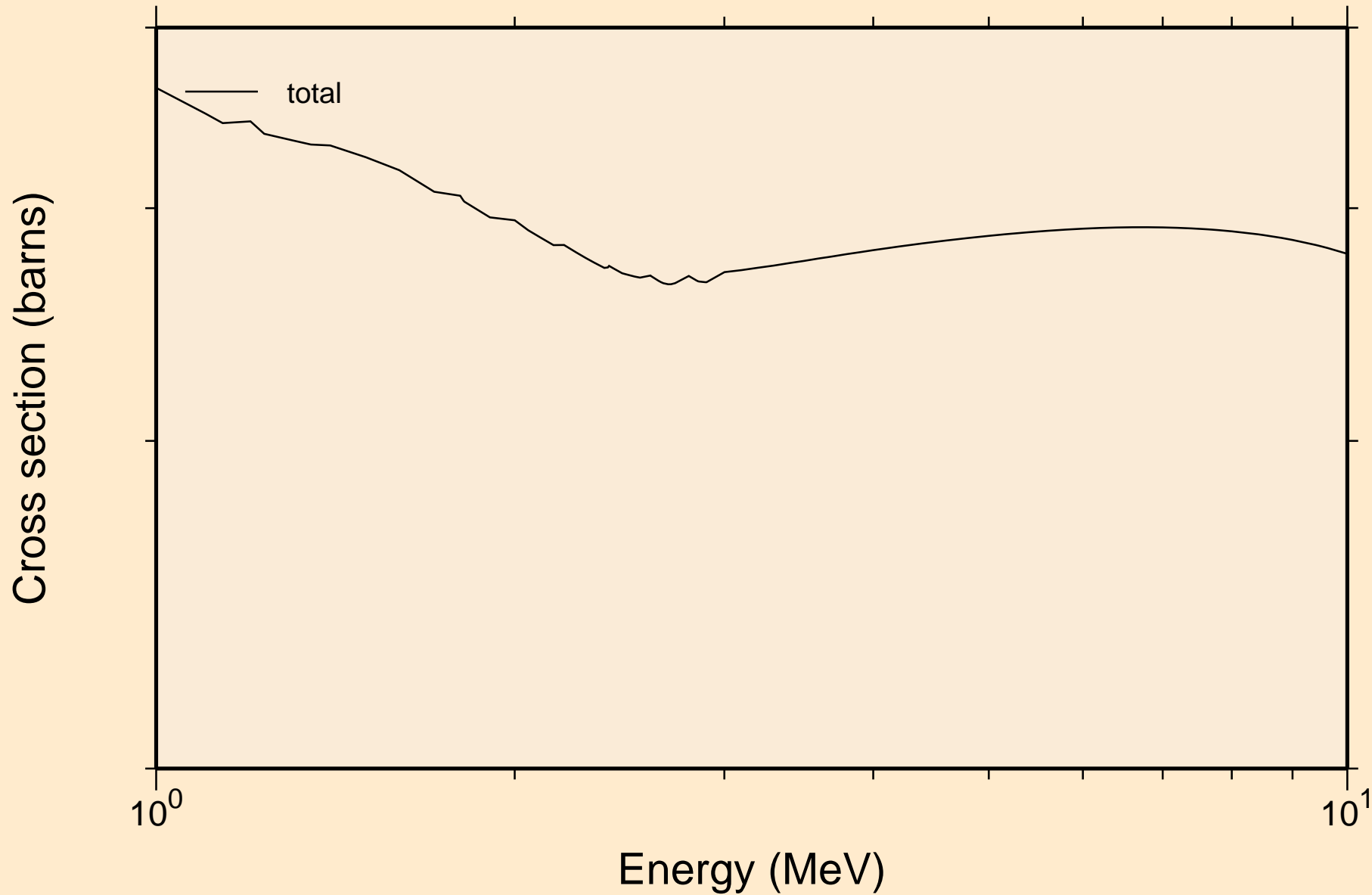
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



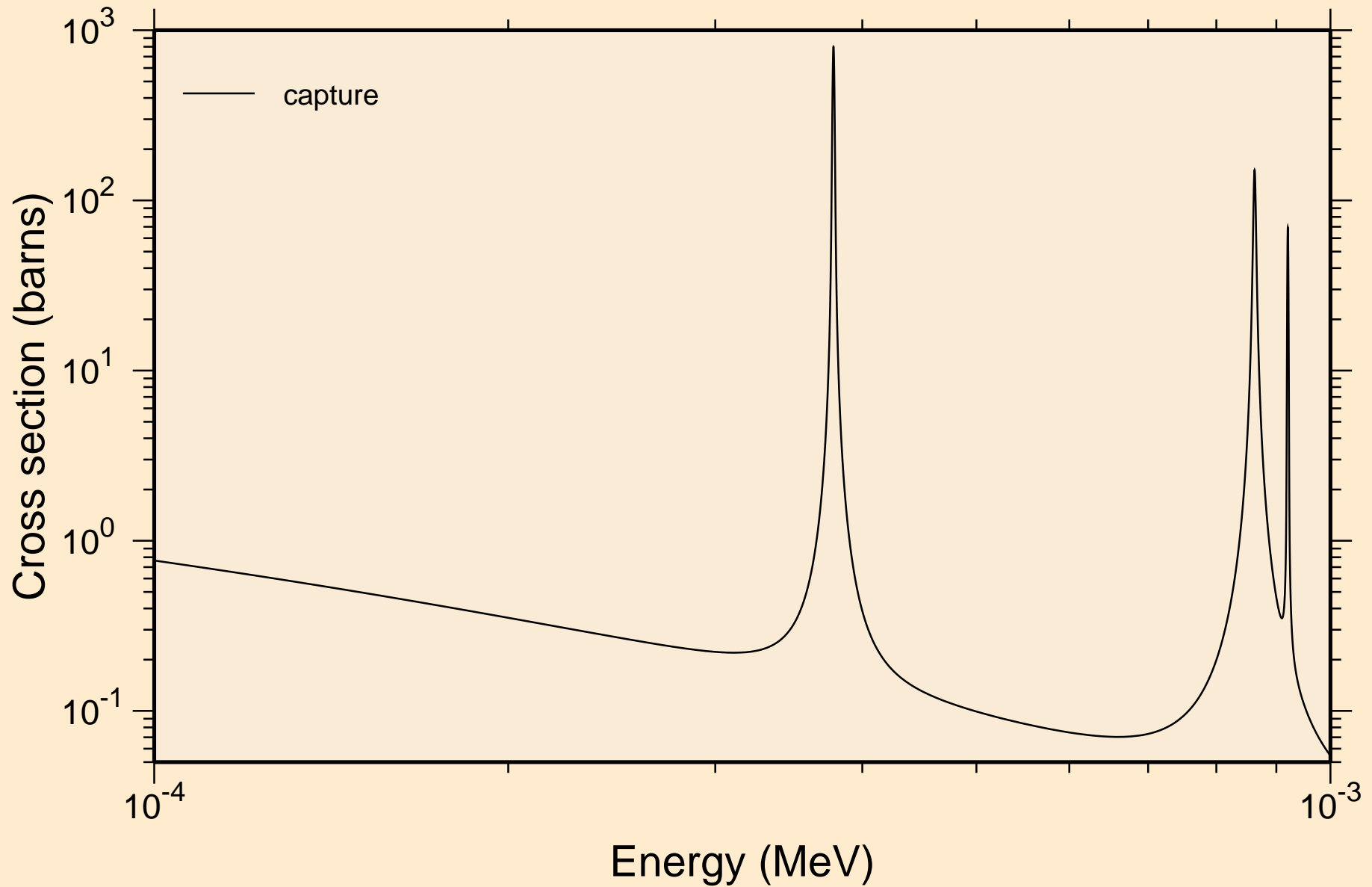
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



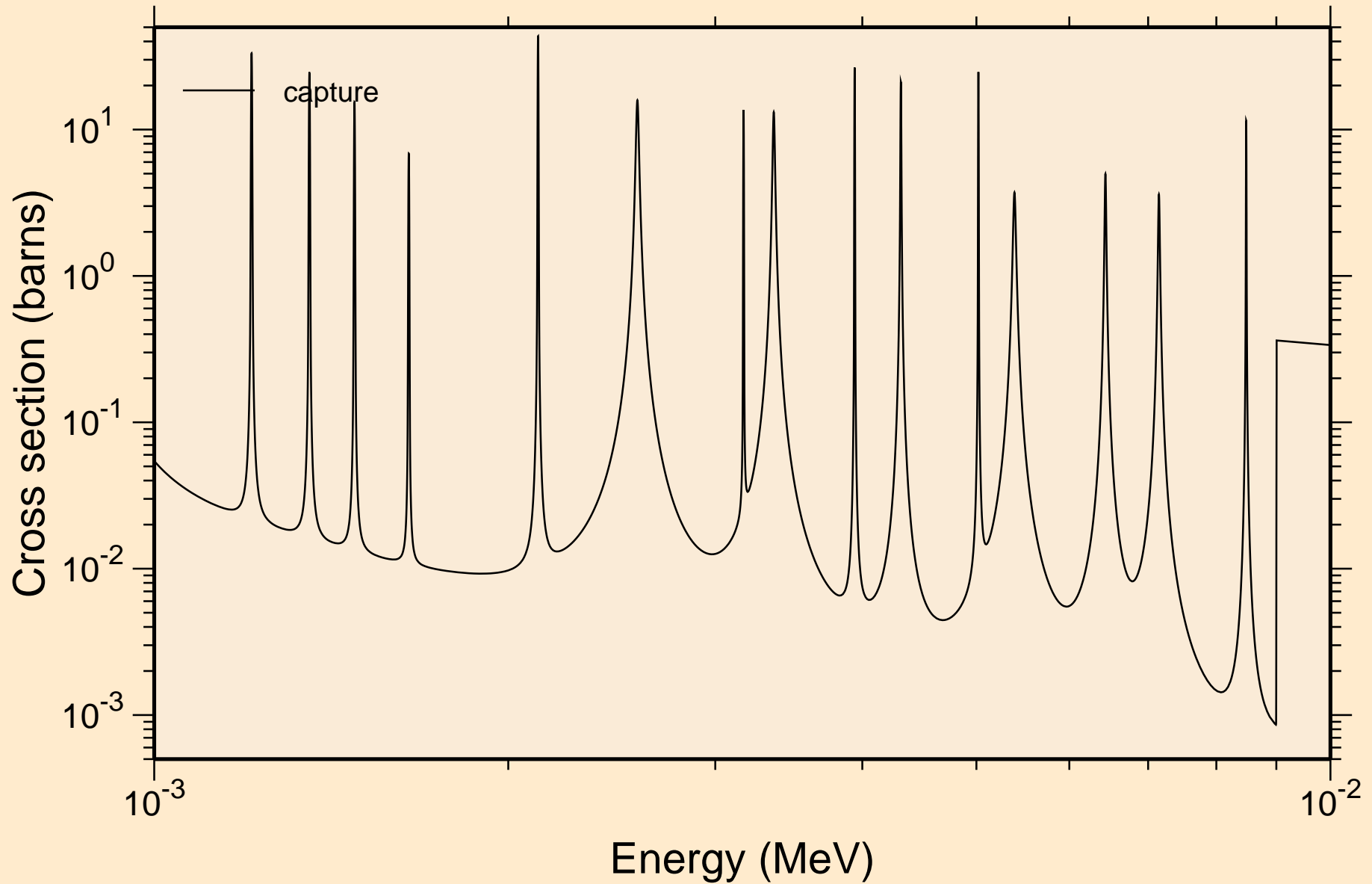
S $\bar{E}$ 076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



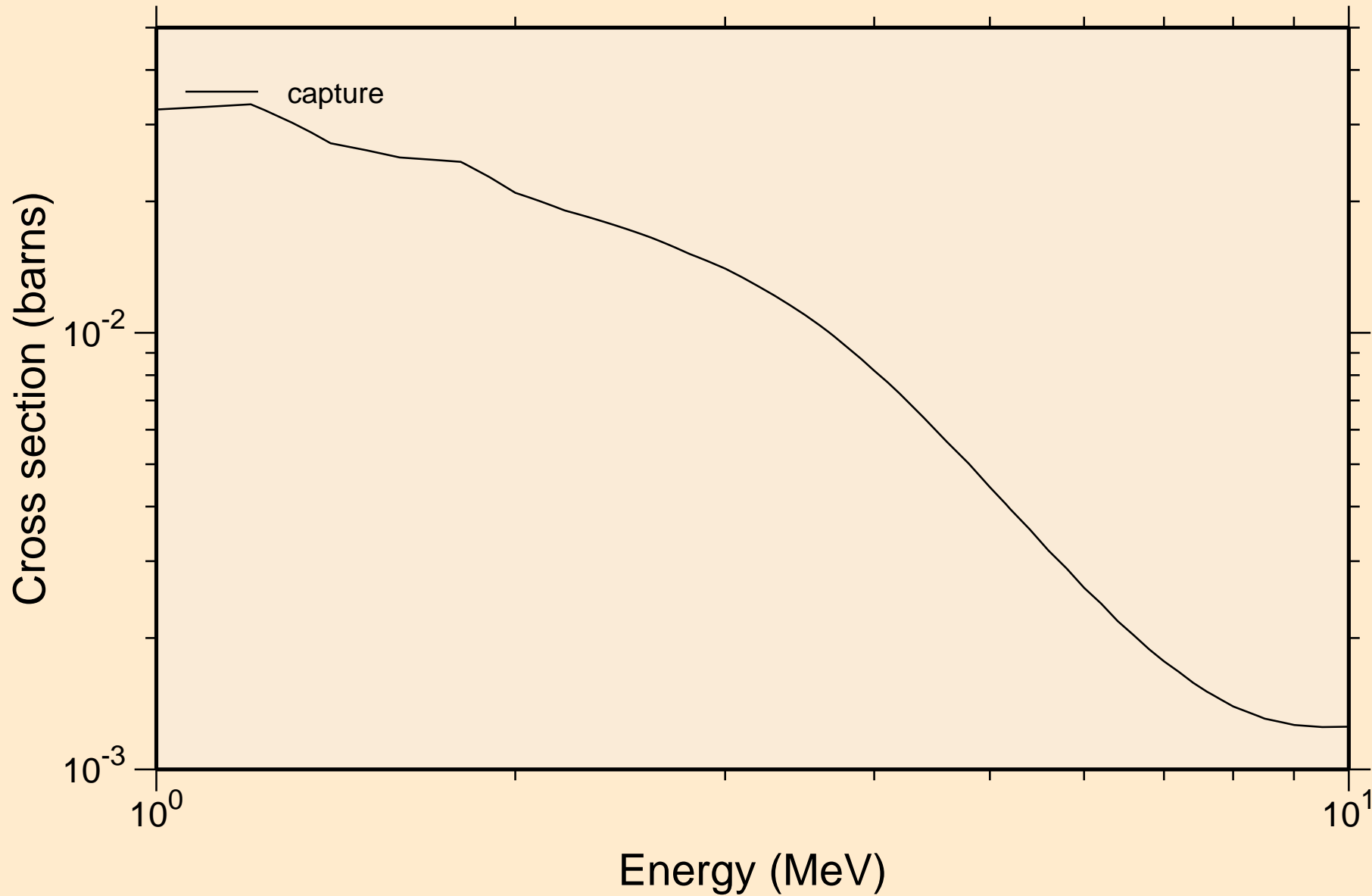
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



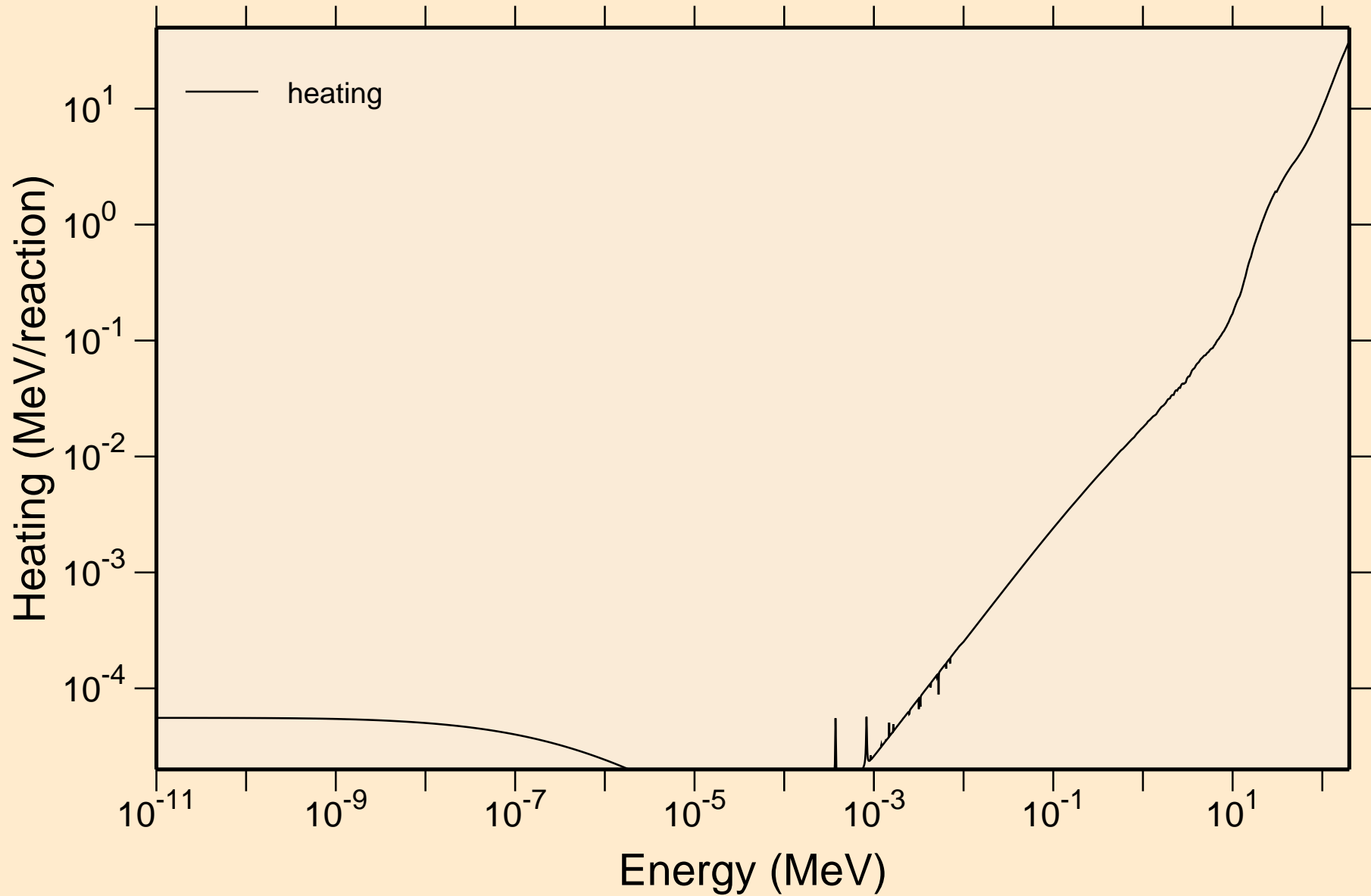
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

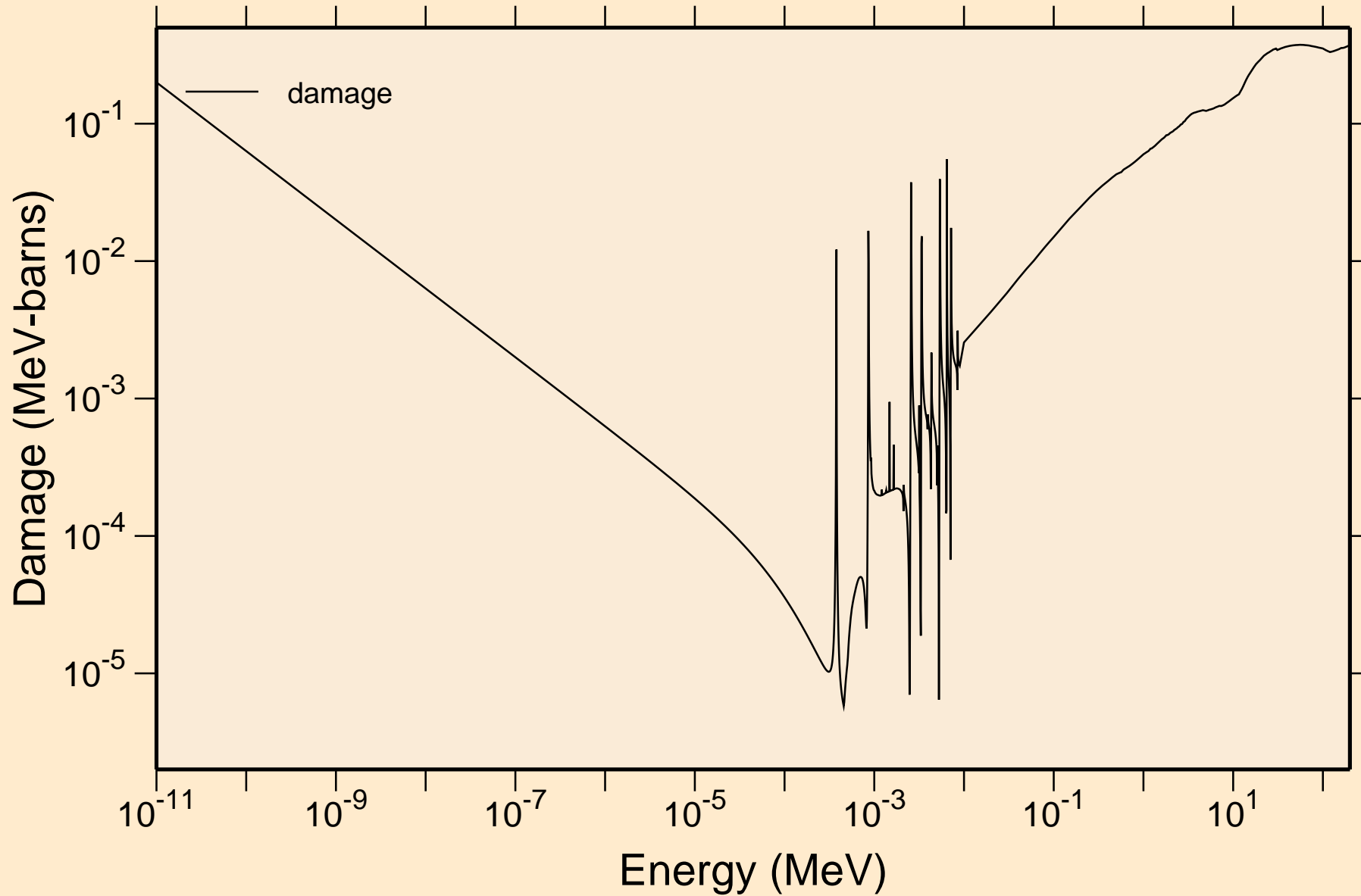


SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating

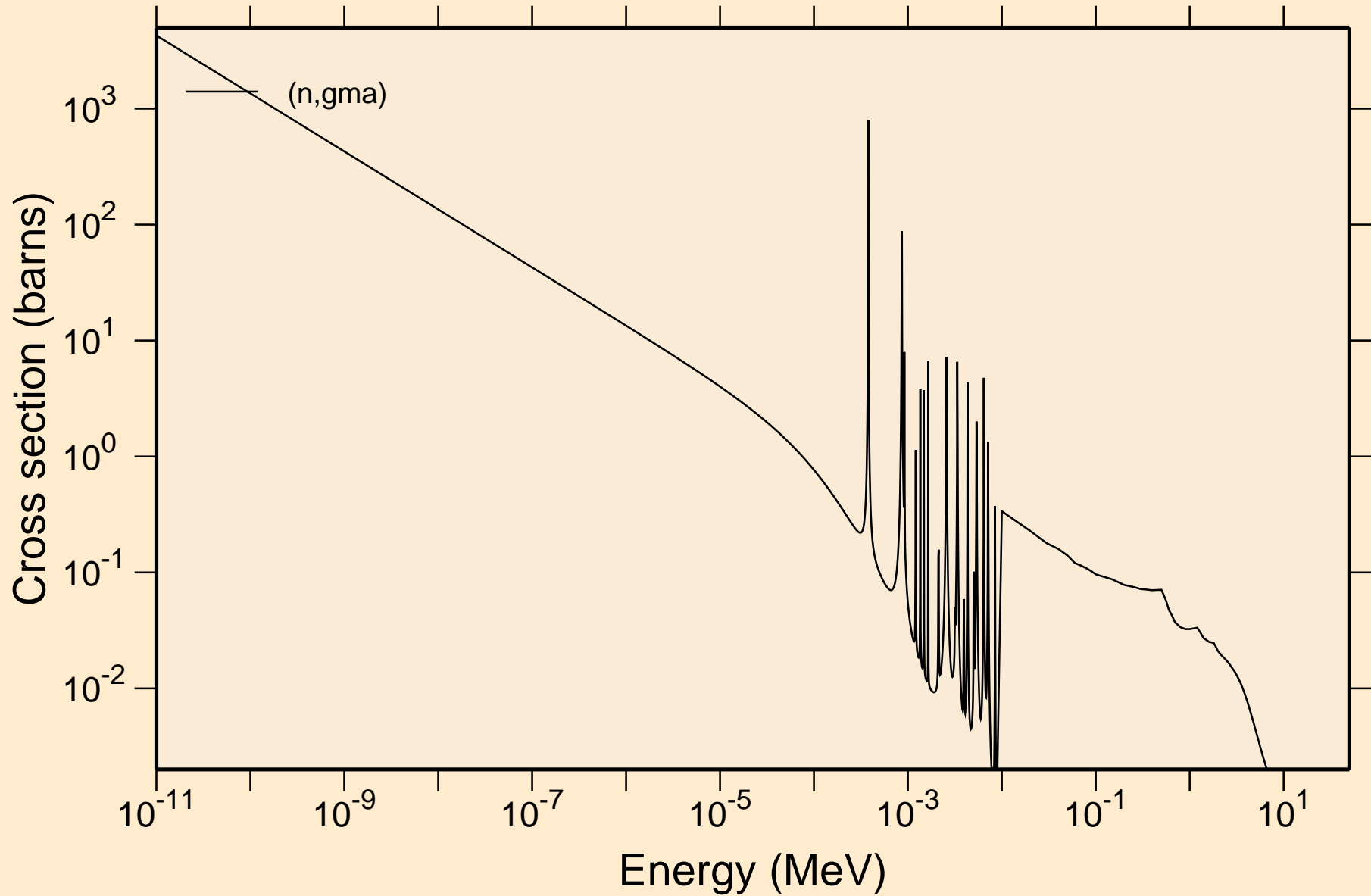




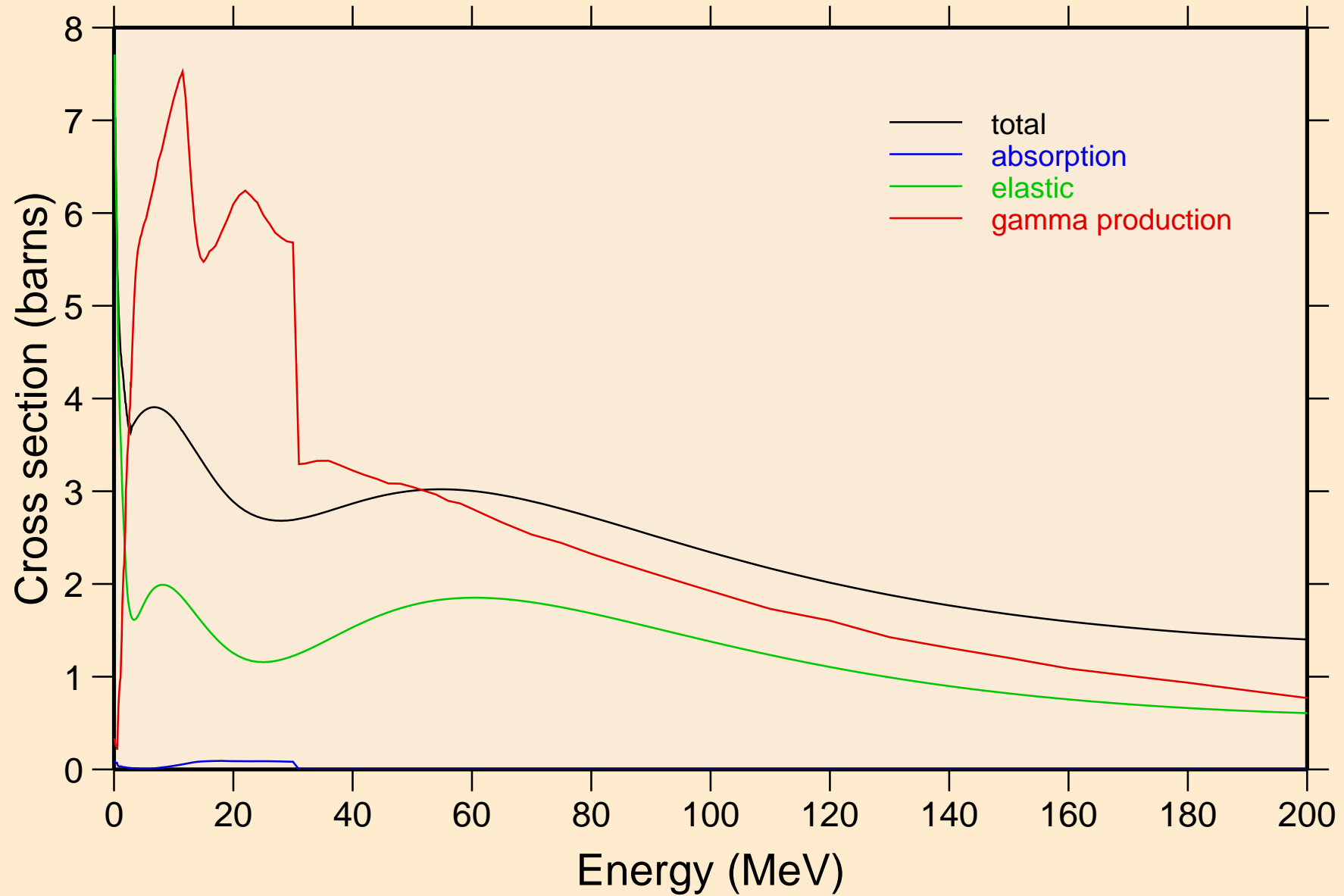
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage



SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

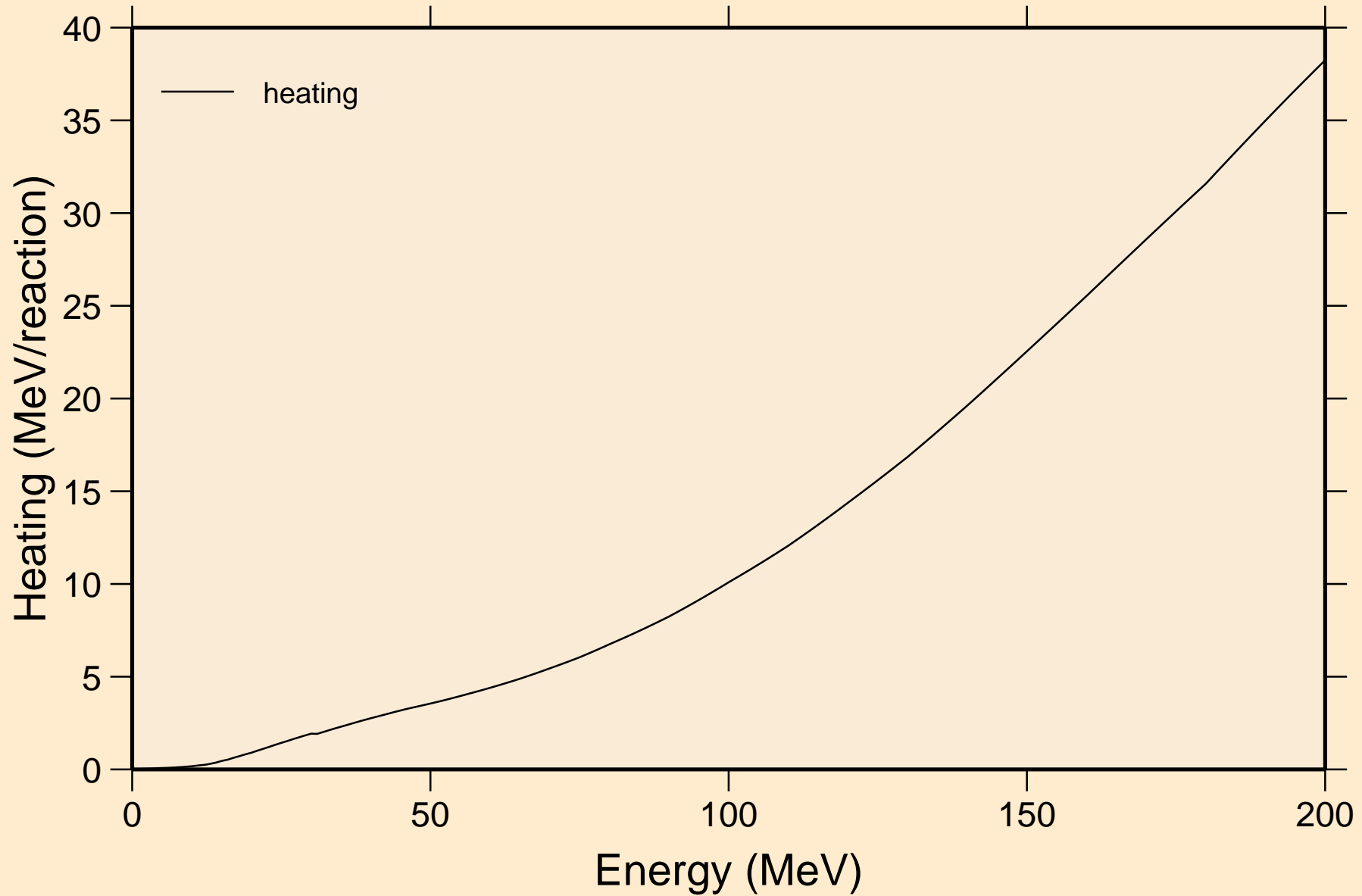


SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Principal cross sections

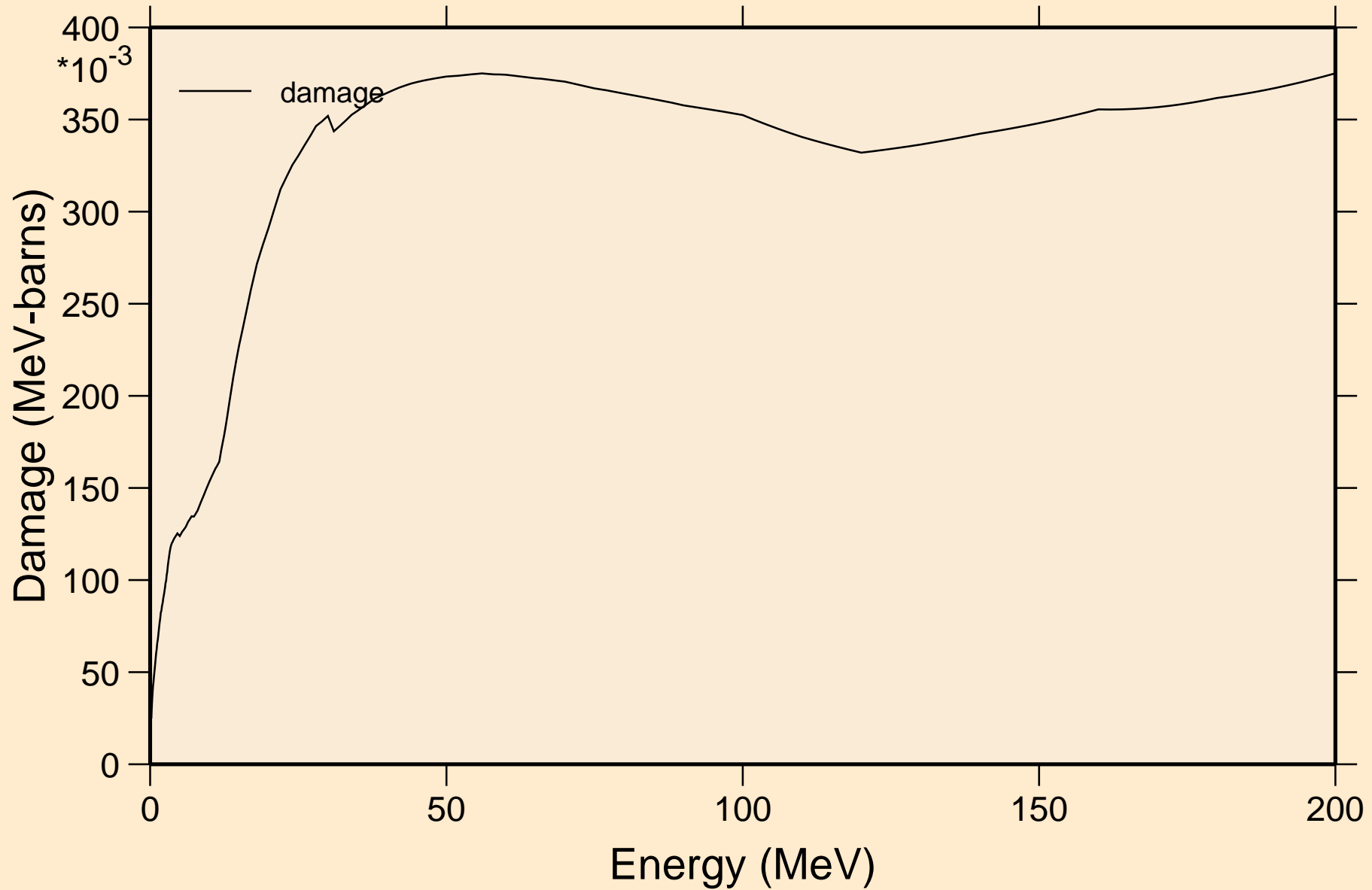


# SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

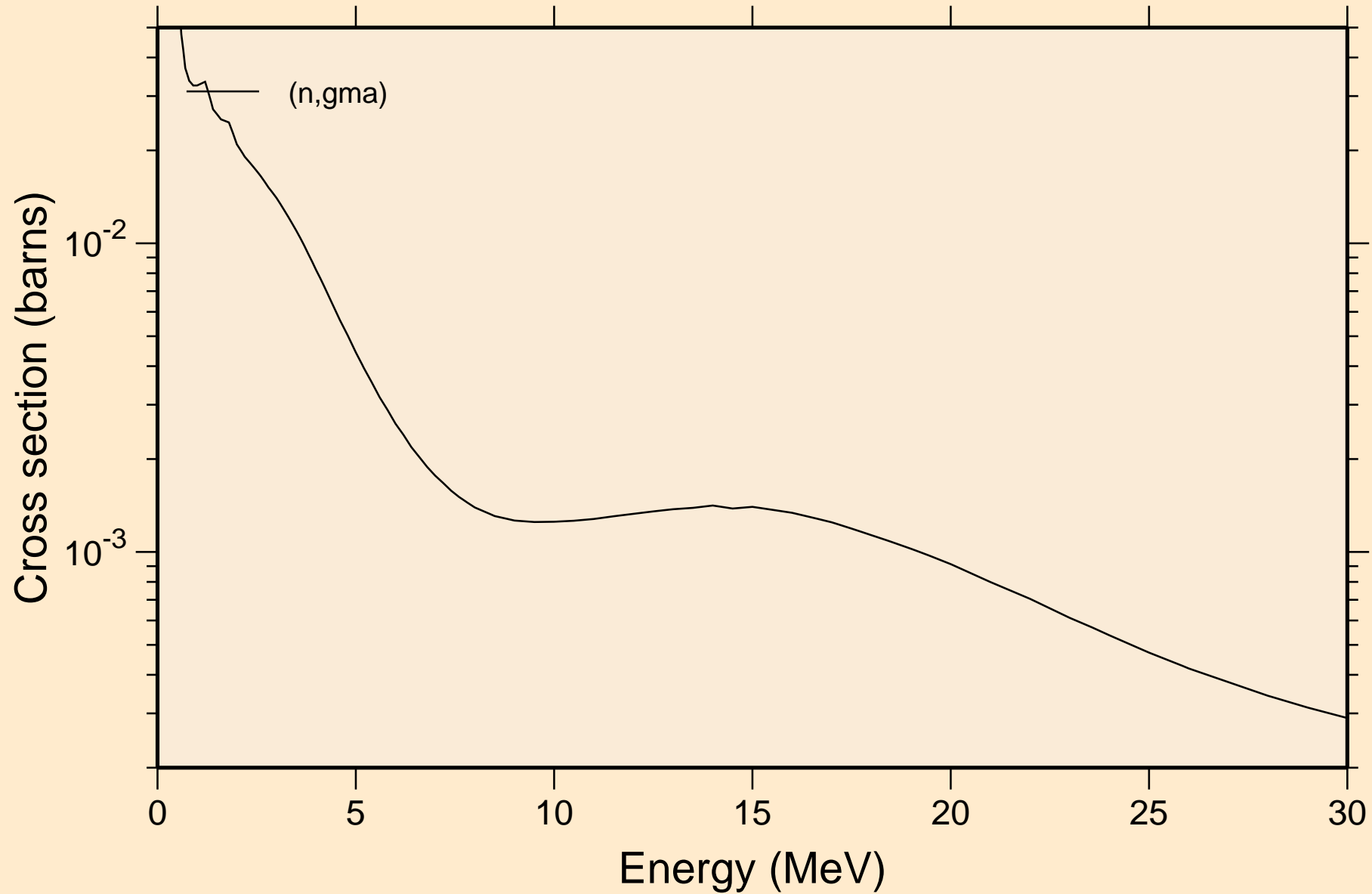
## Heating



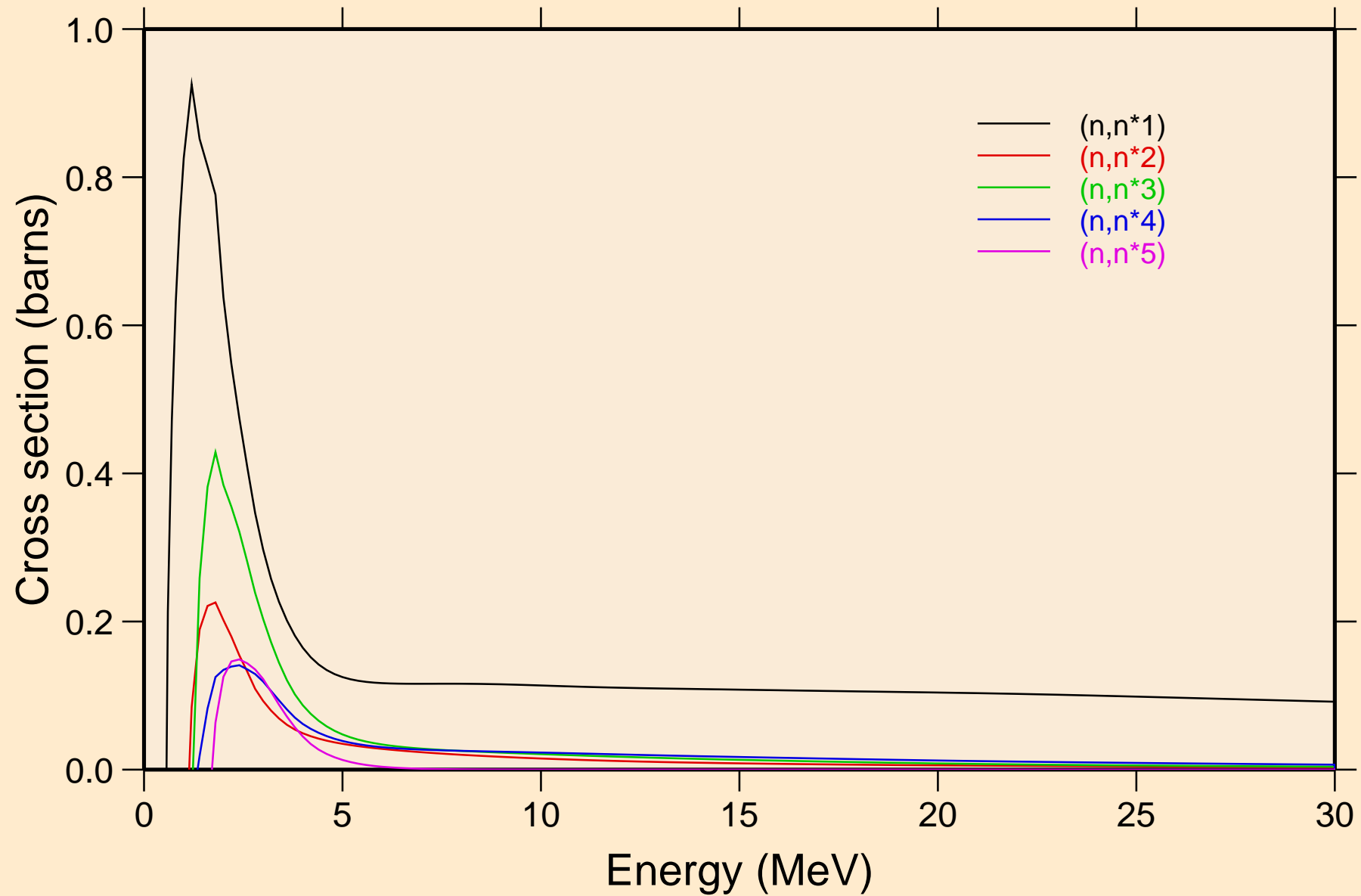
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage



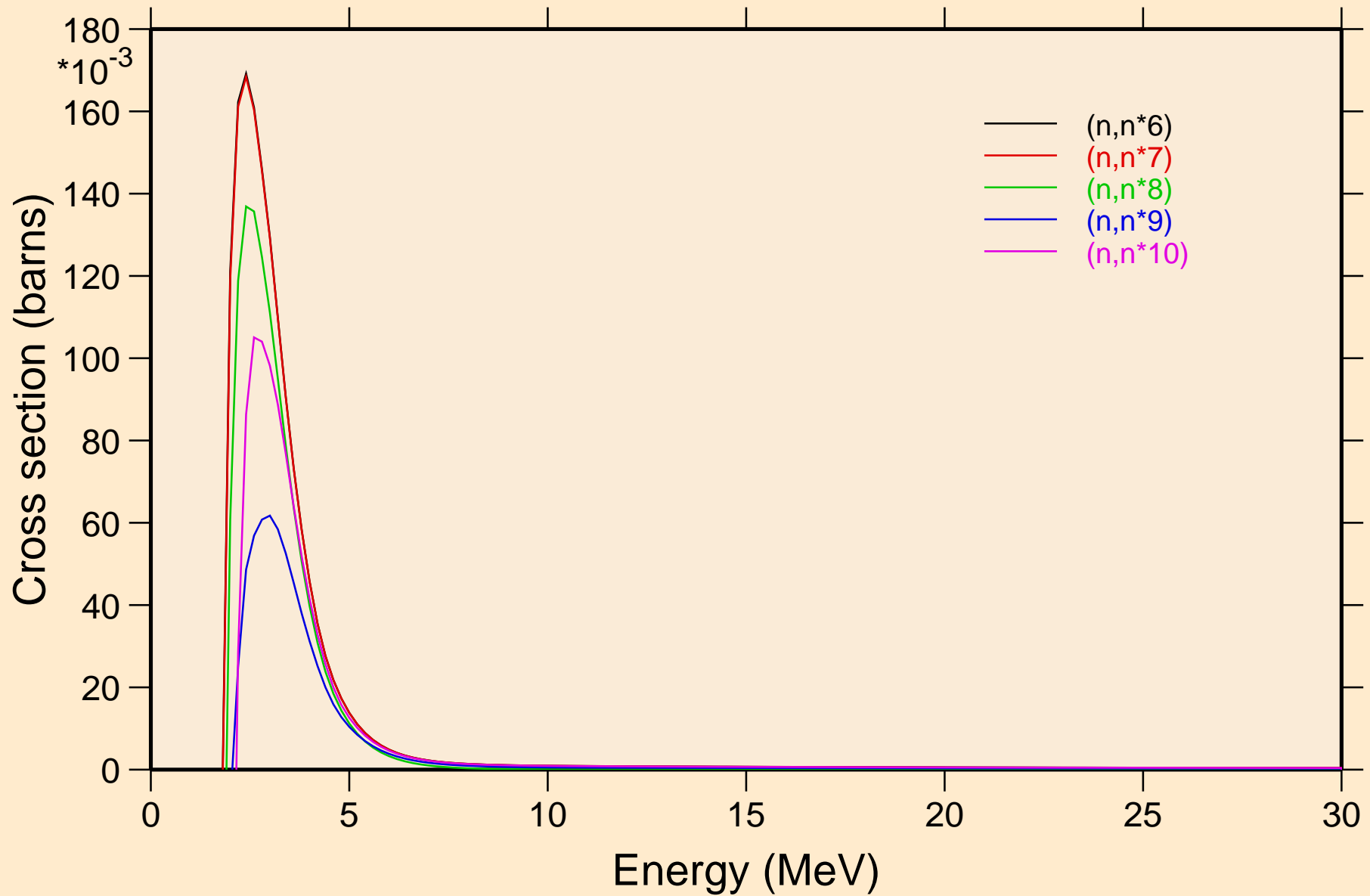
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

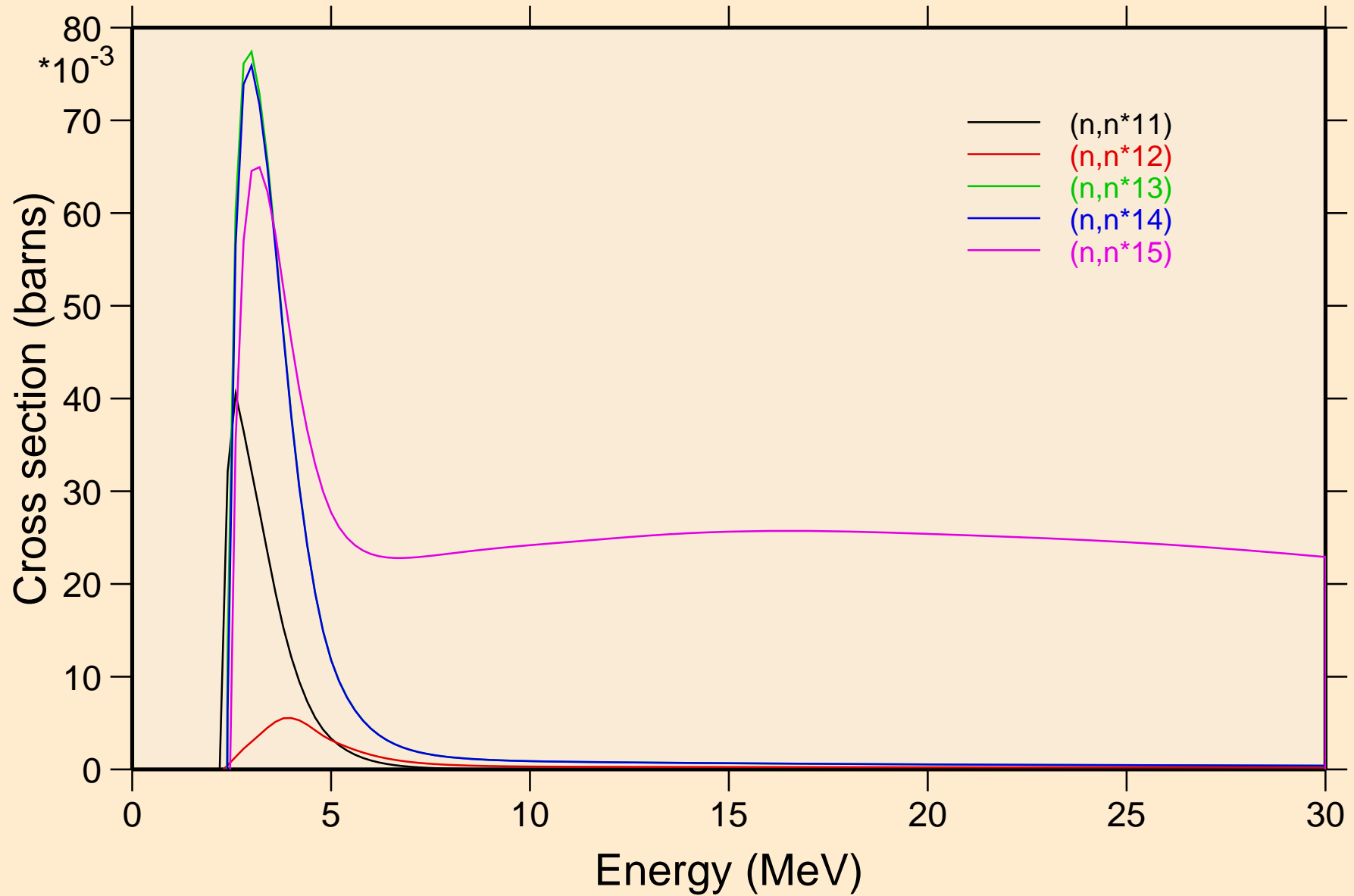


SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

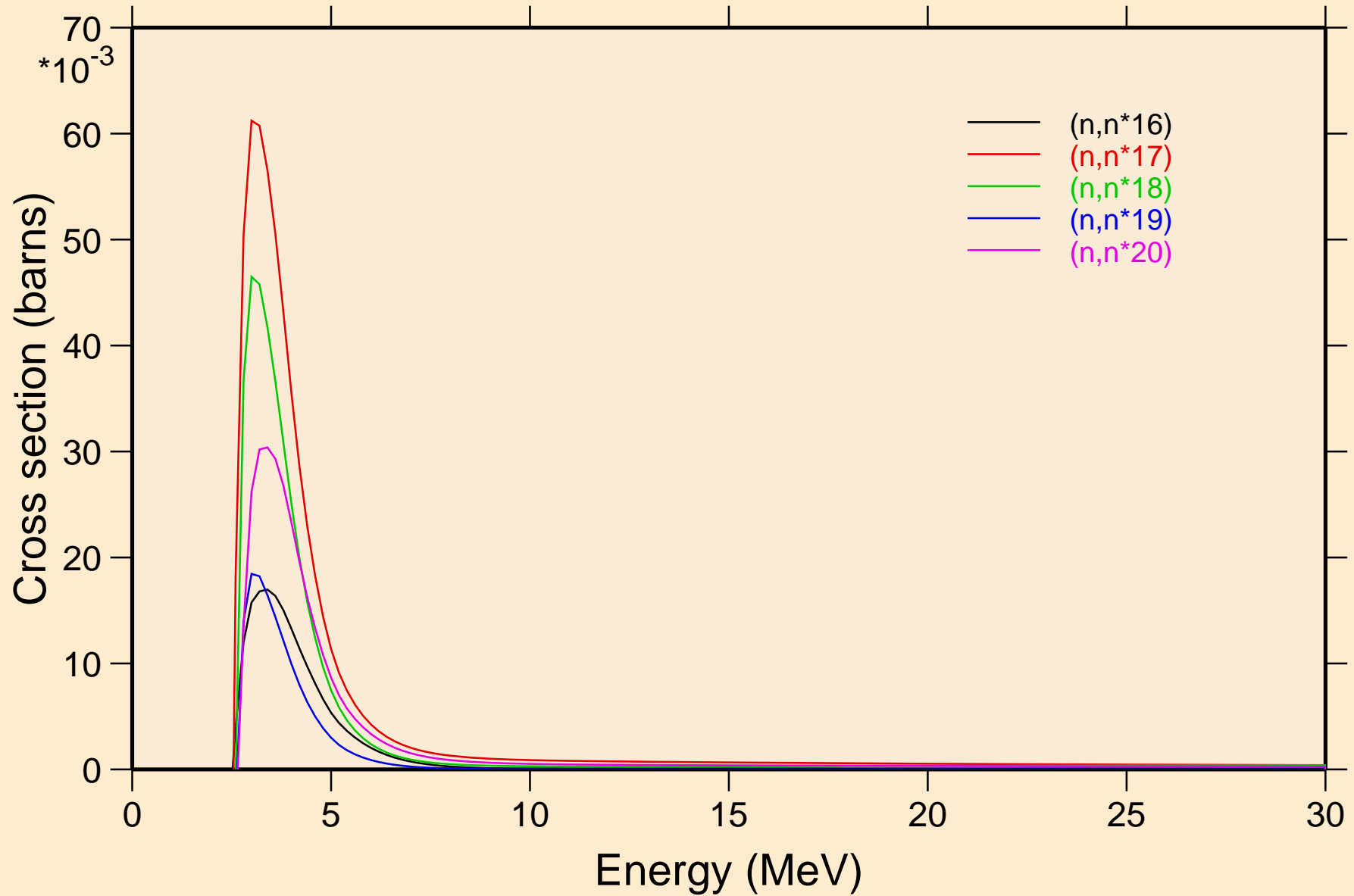




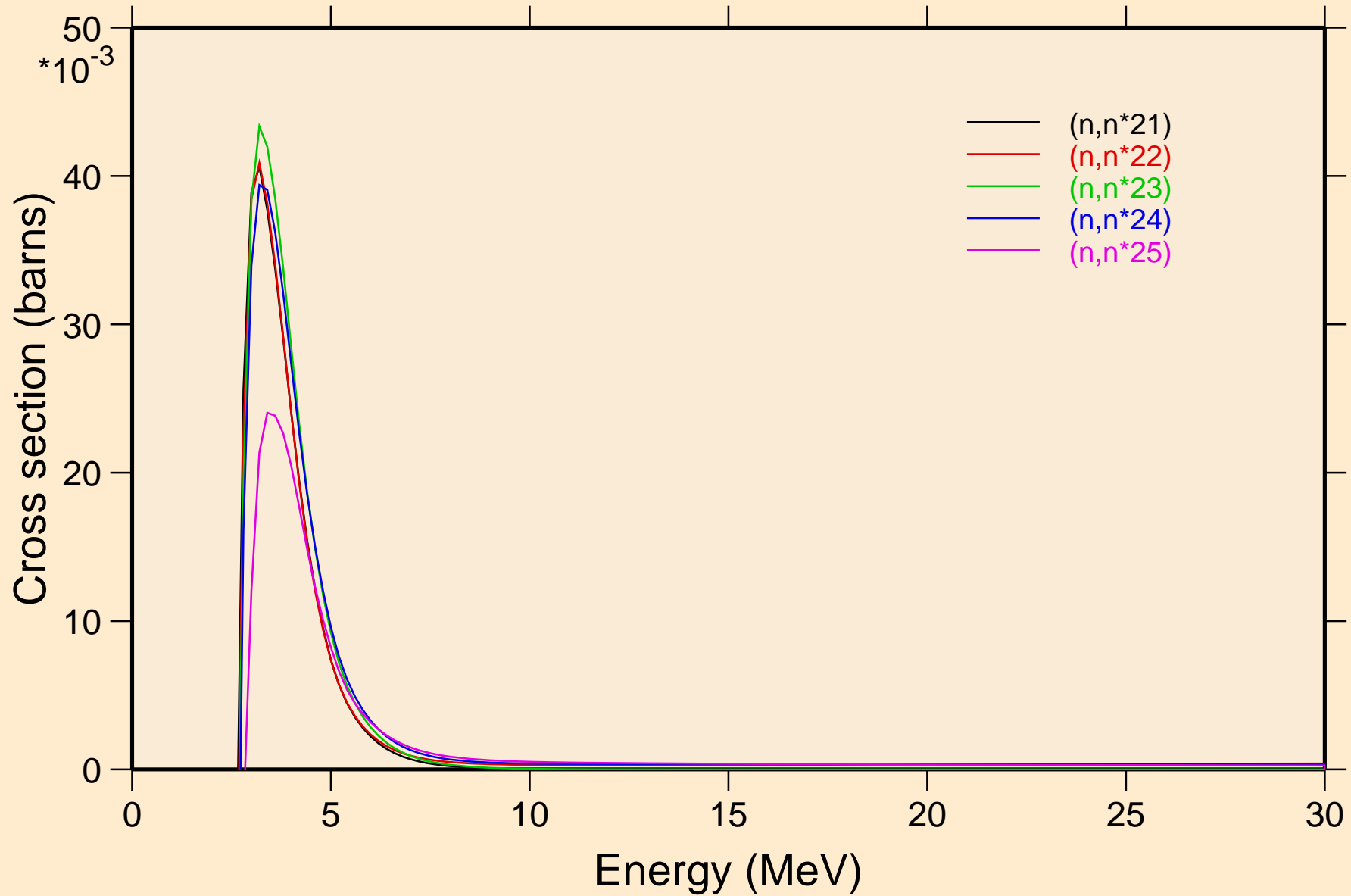
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



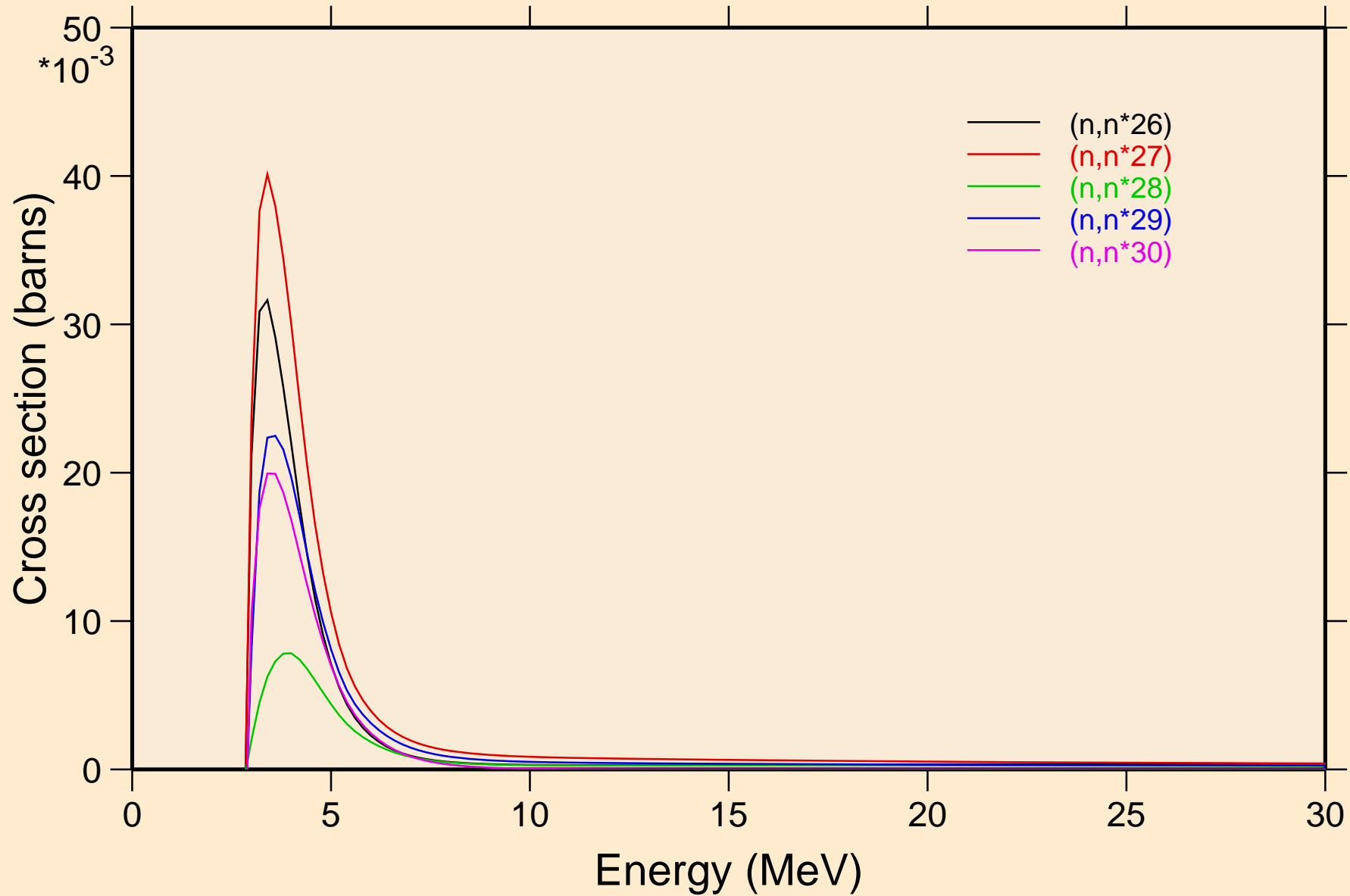
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



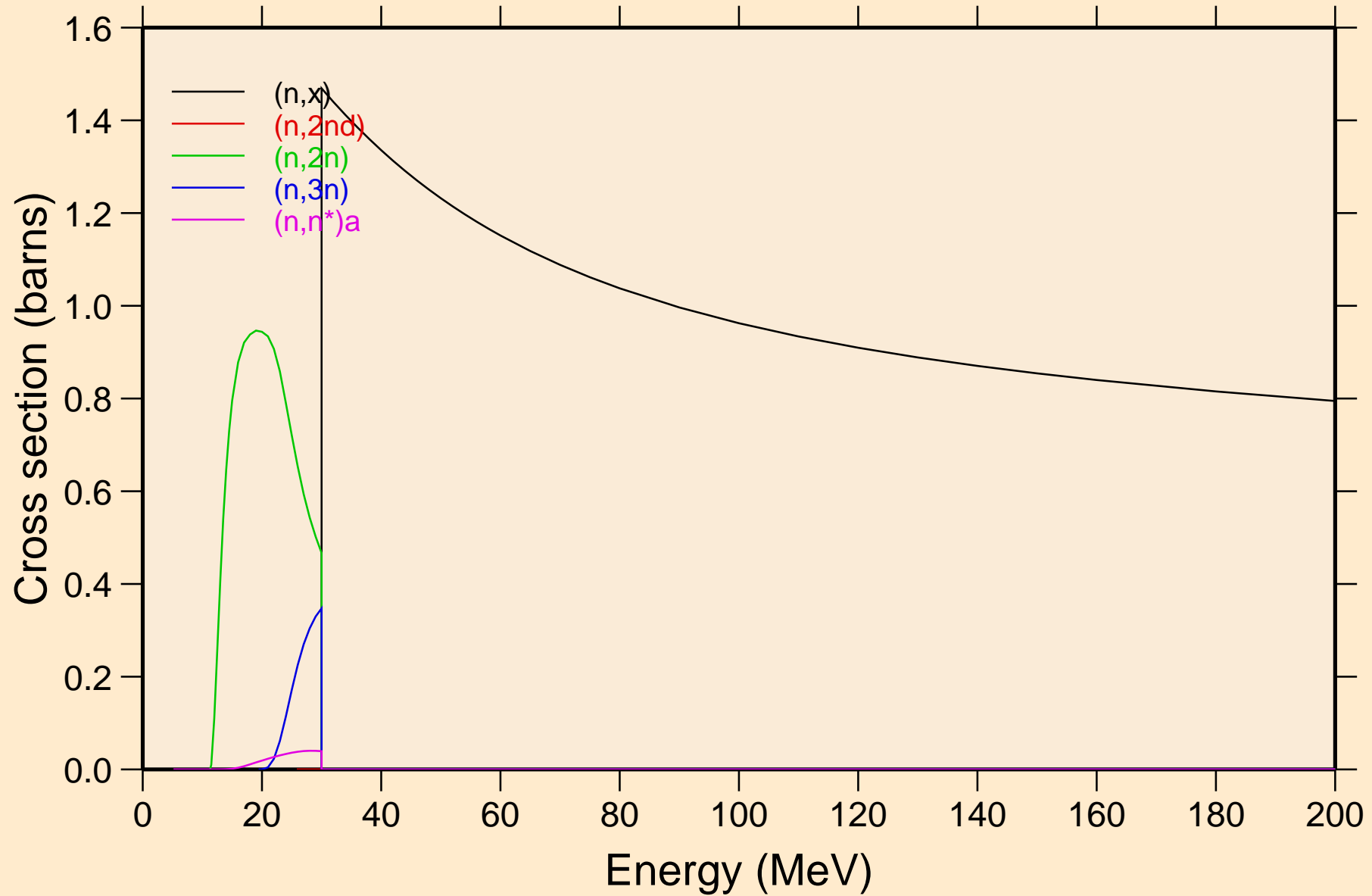
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



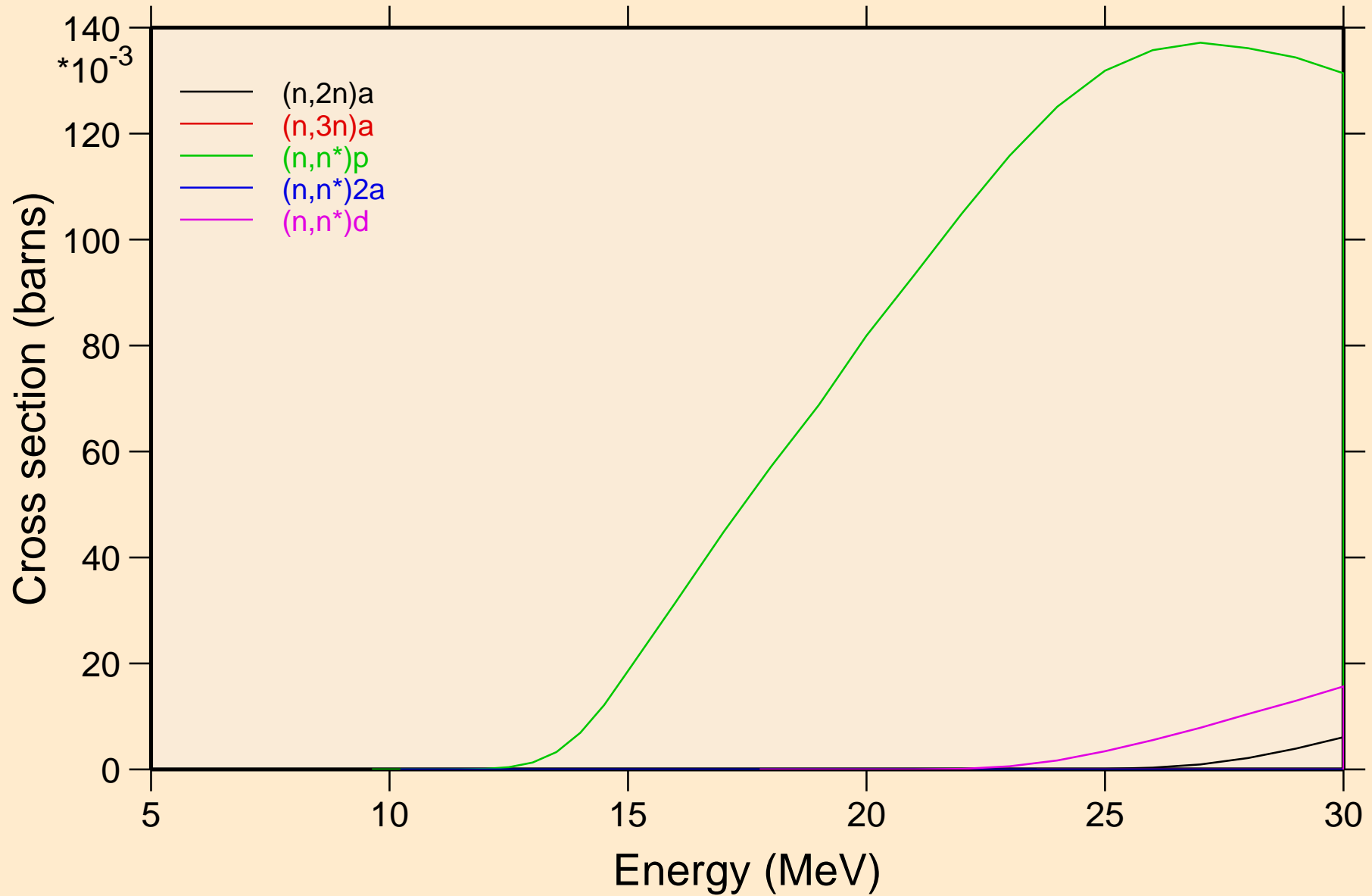
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Inelastic levels



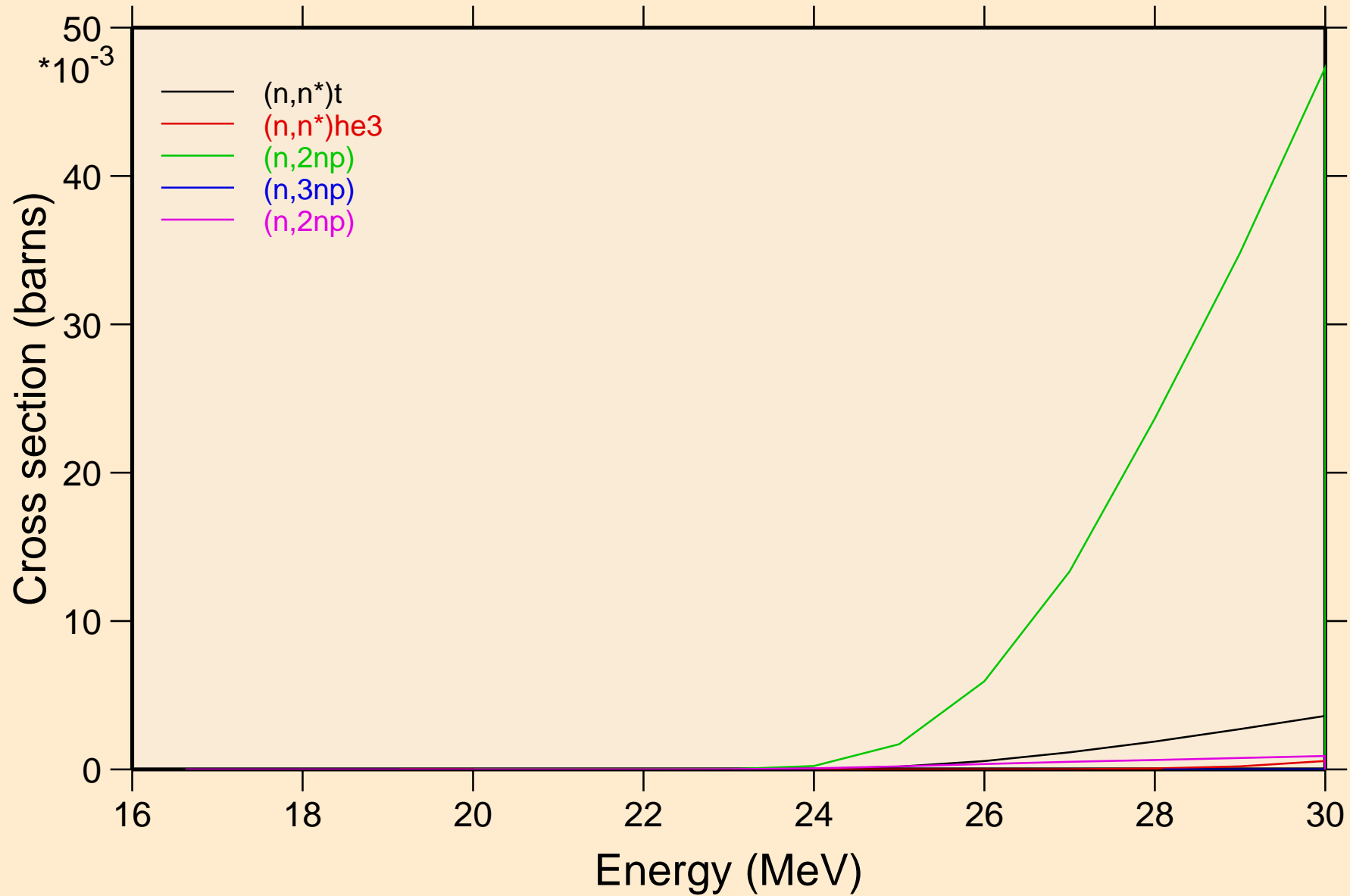
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



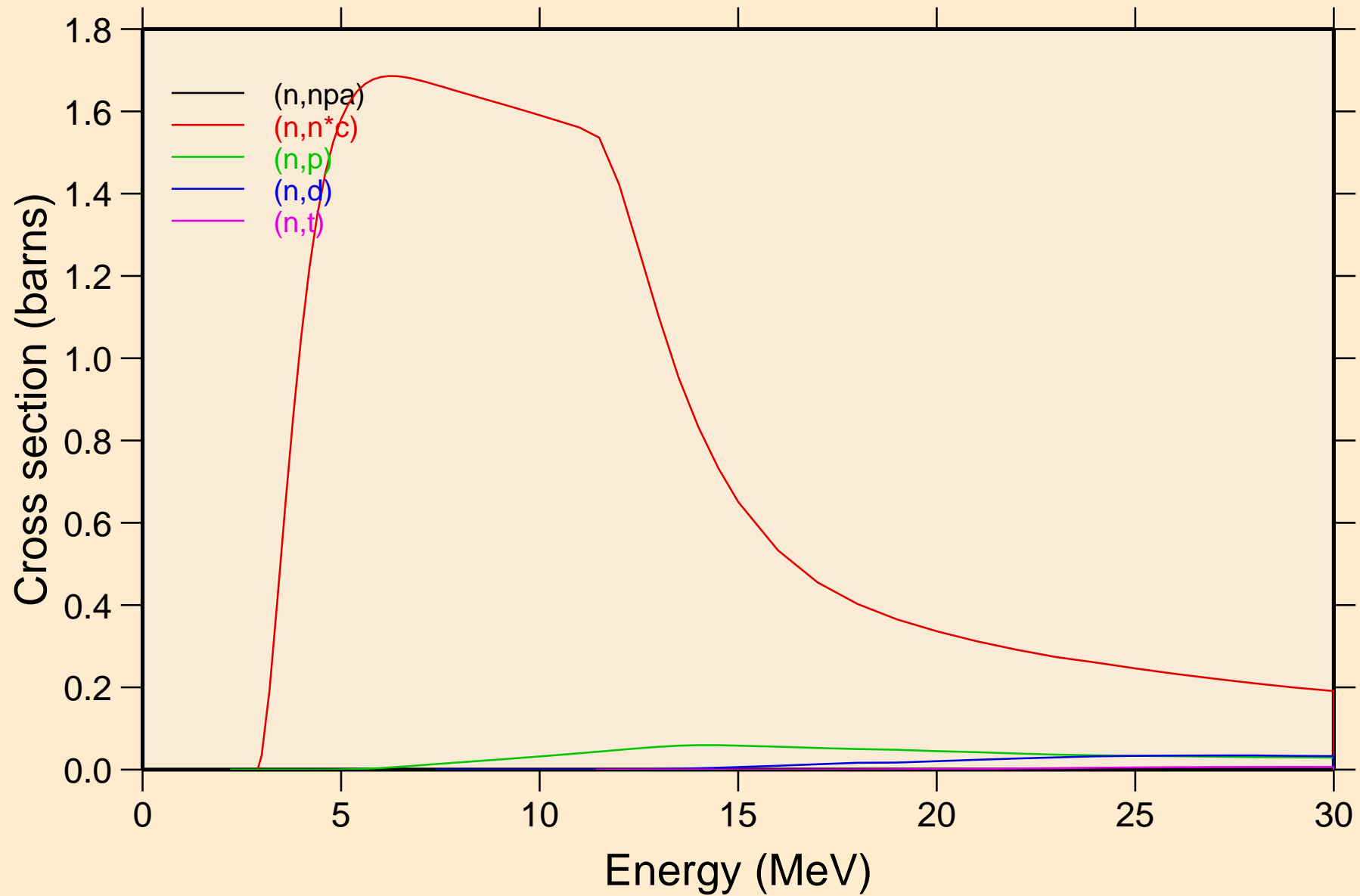
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



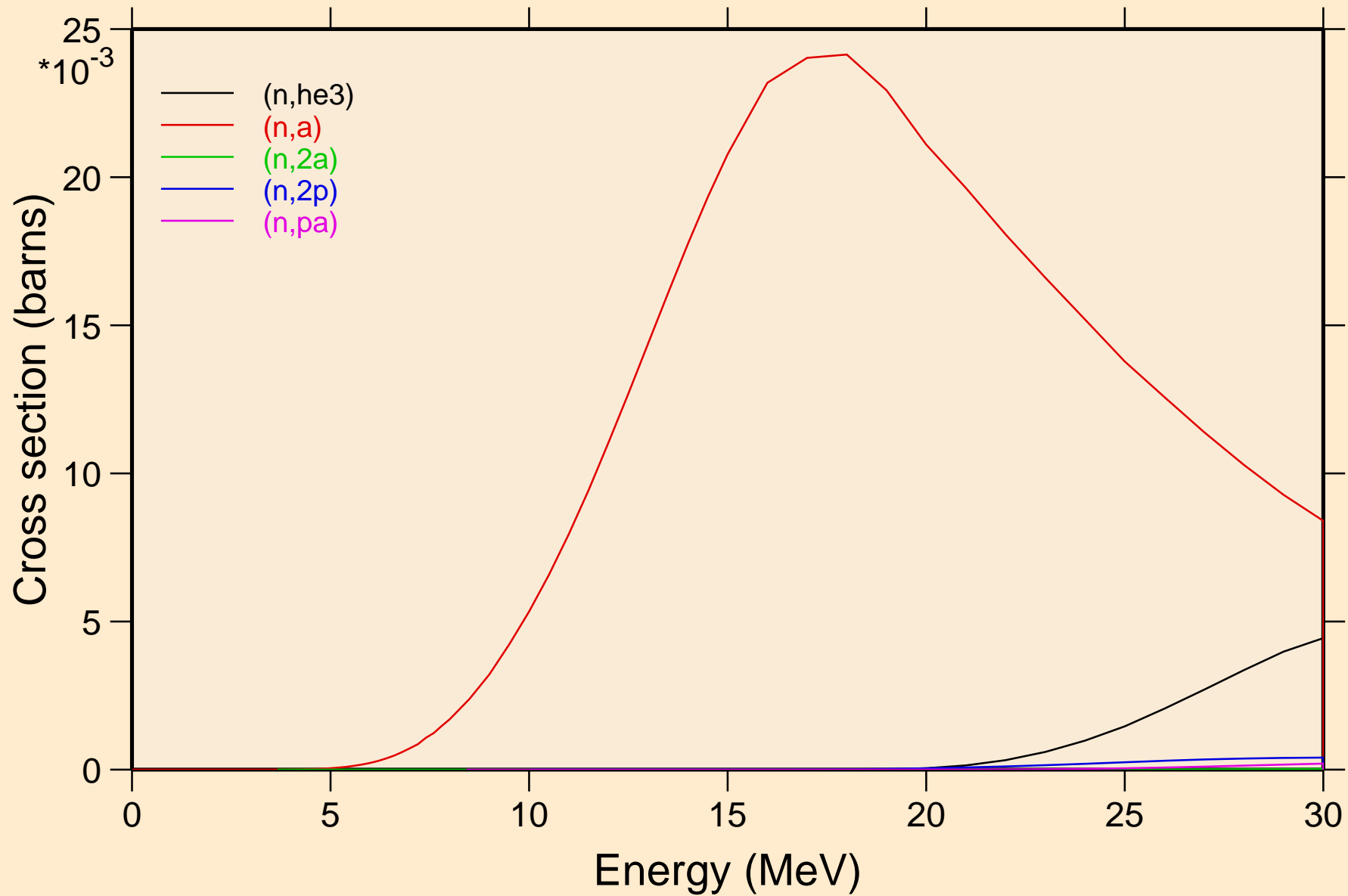
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



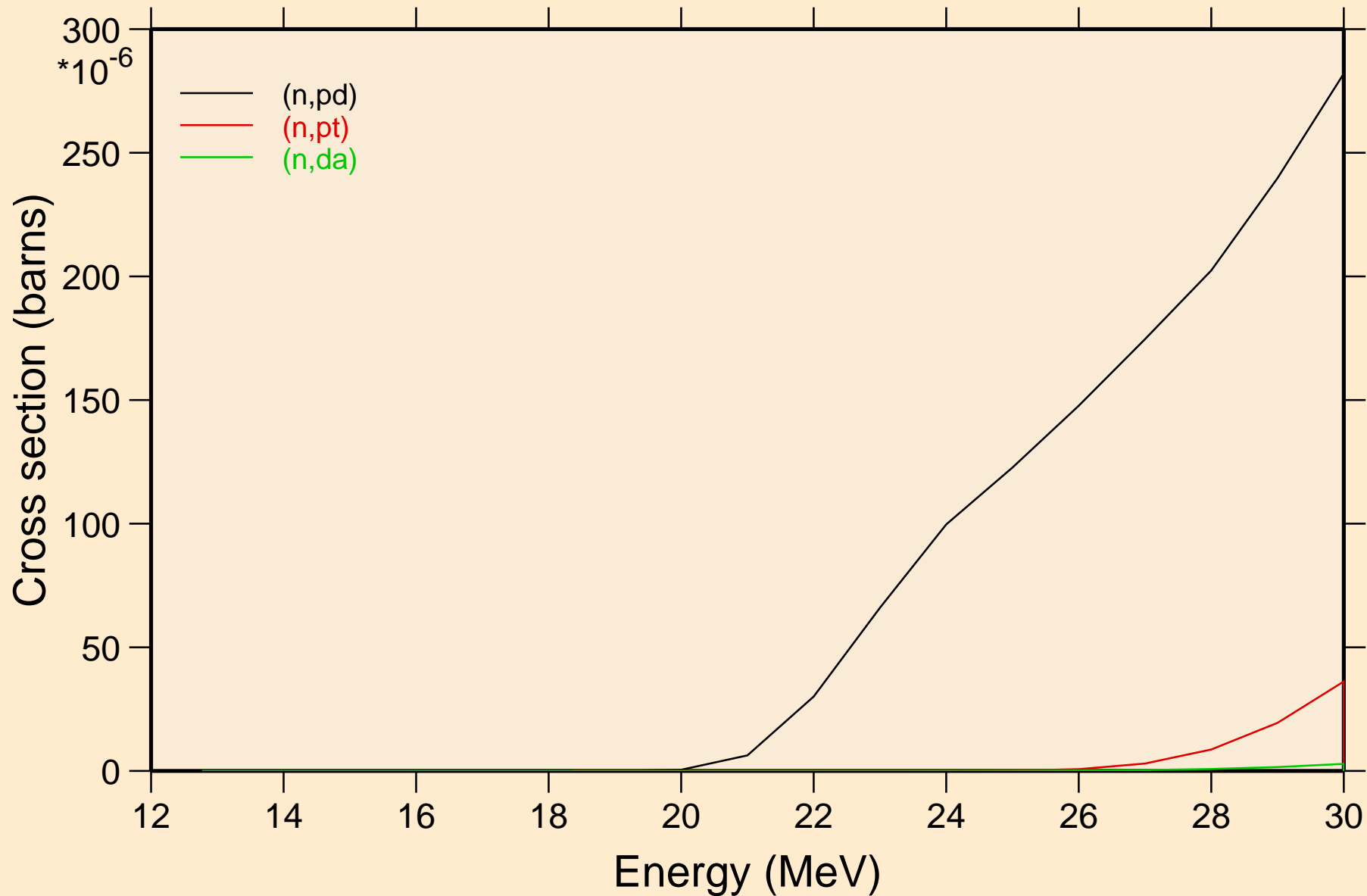


# SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions

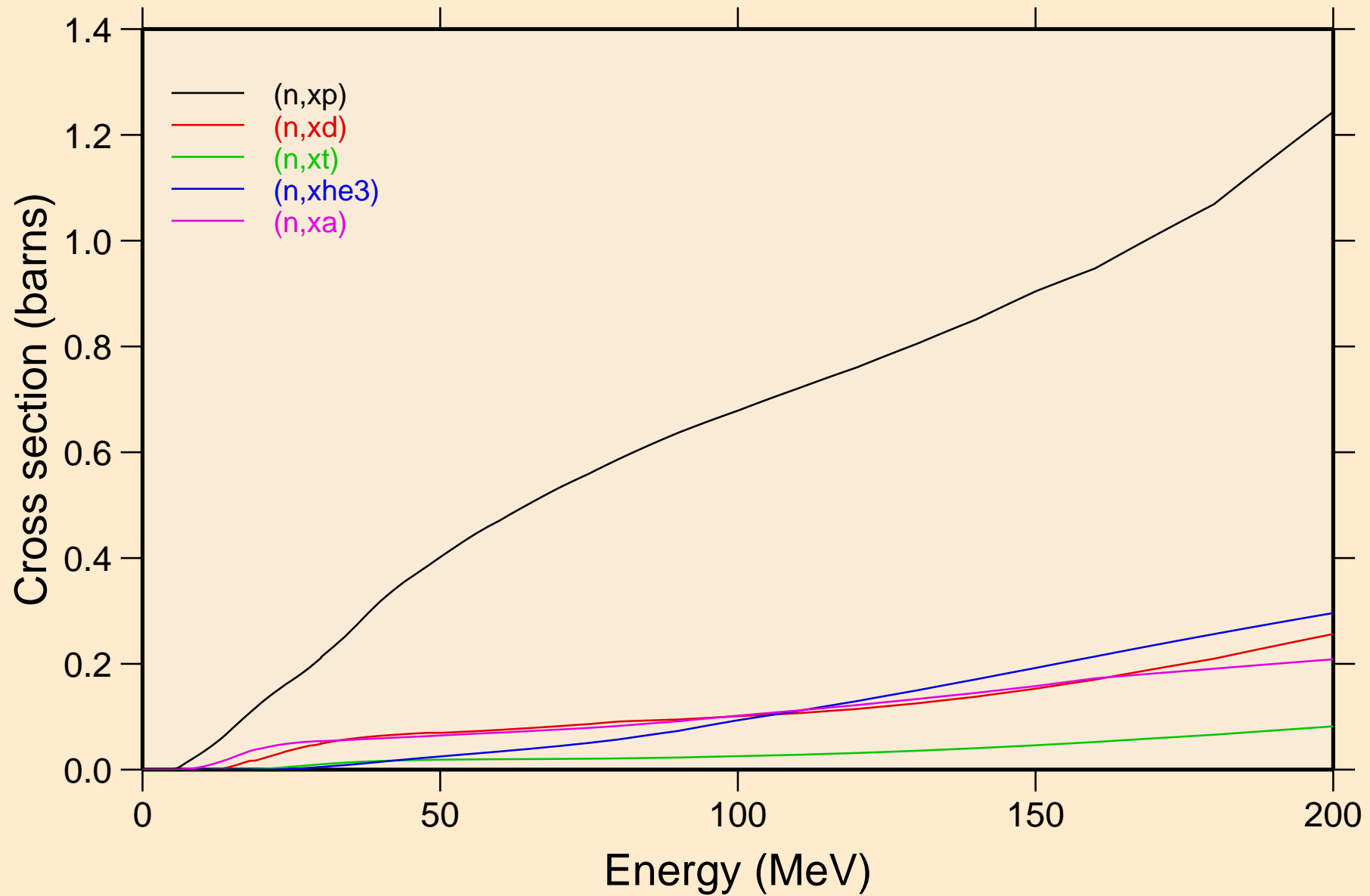


SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

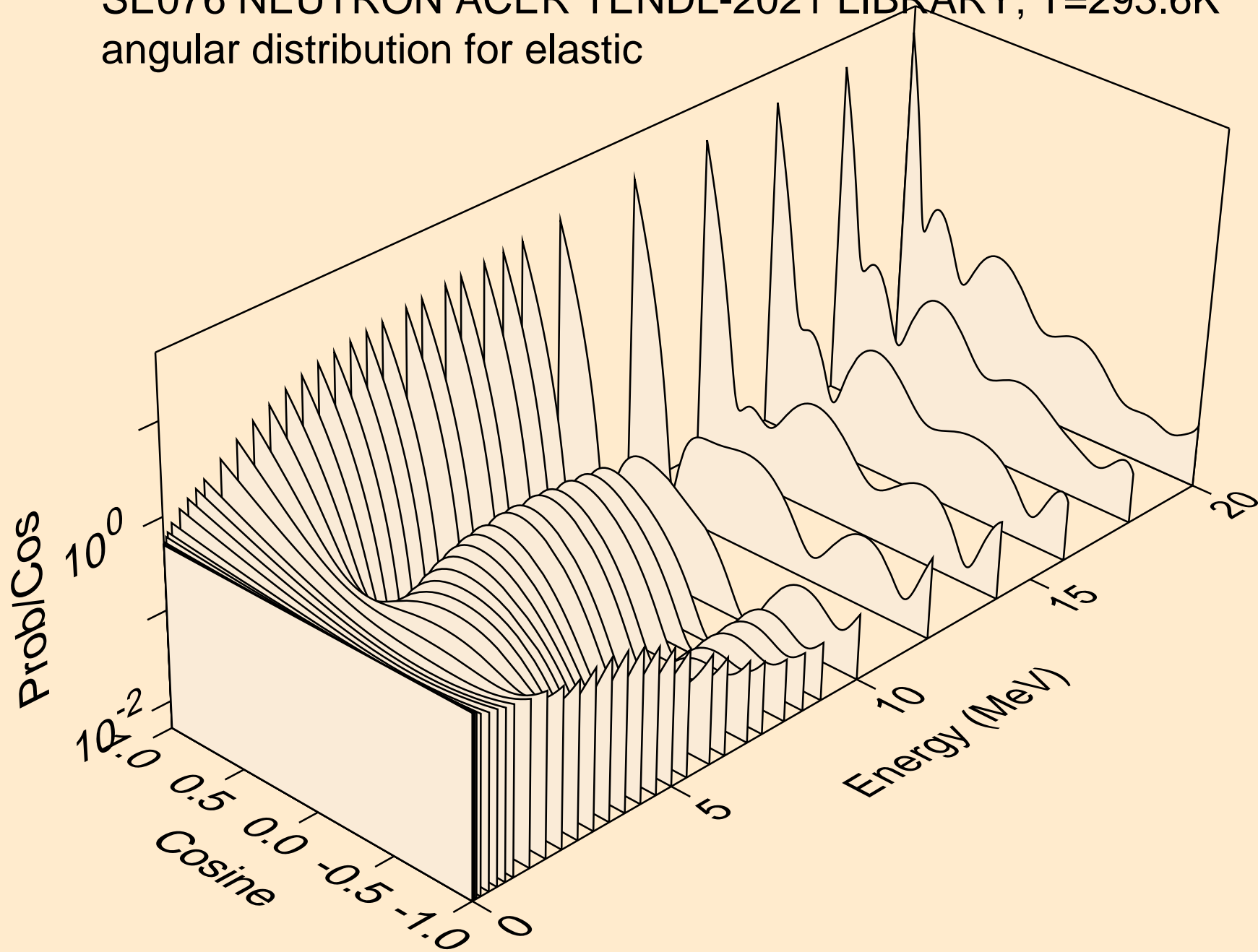


# SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

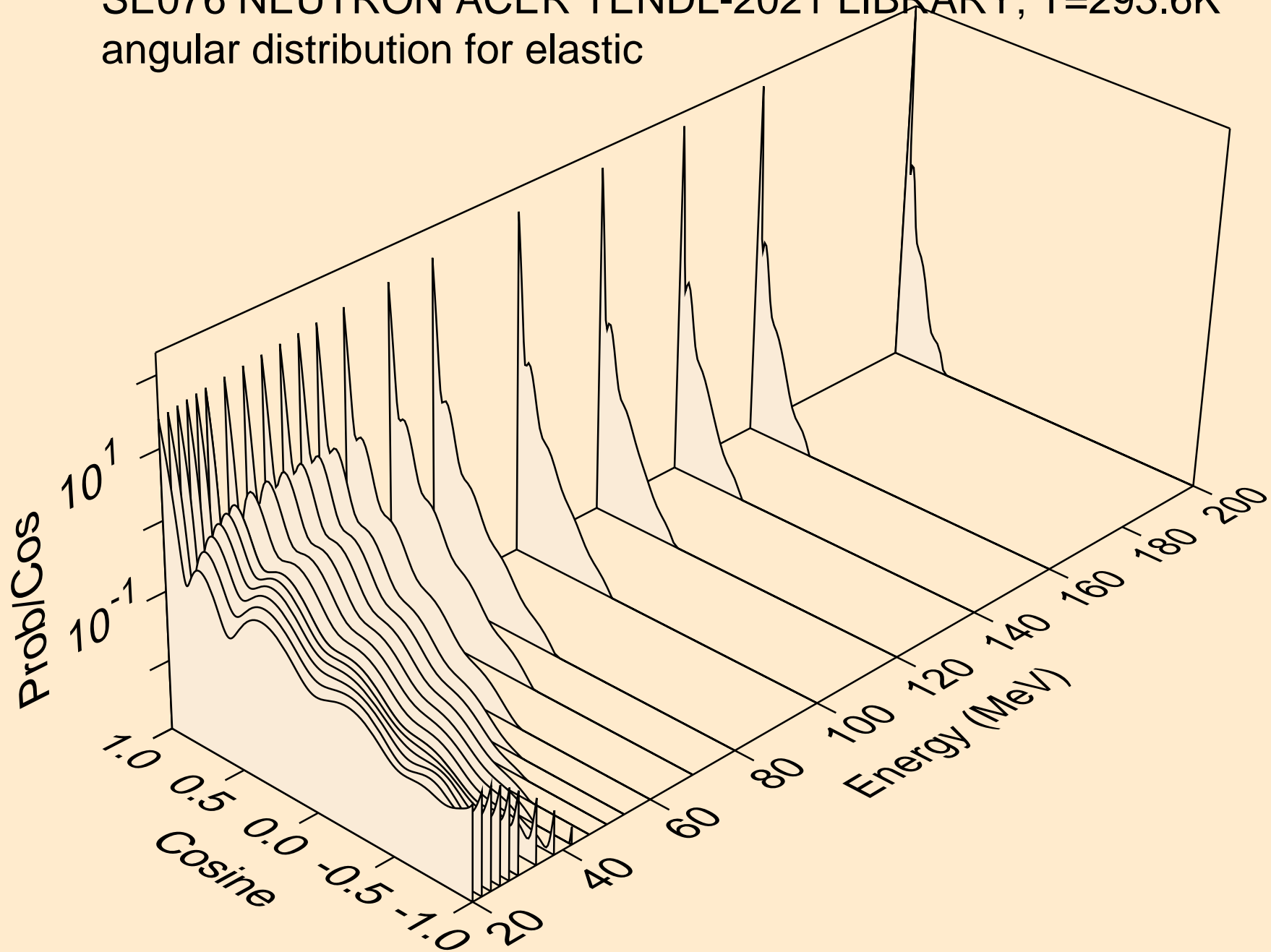
## Threshold reactions



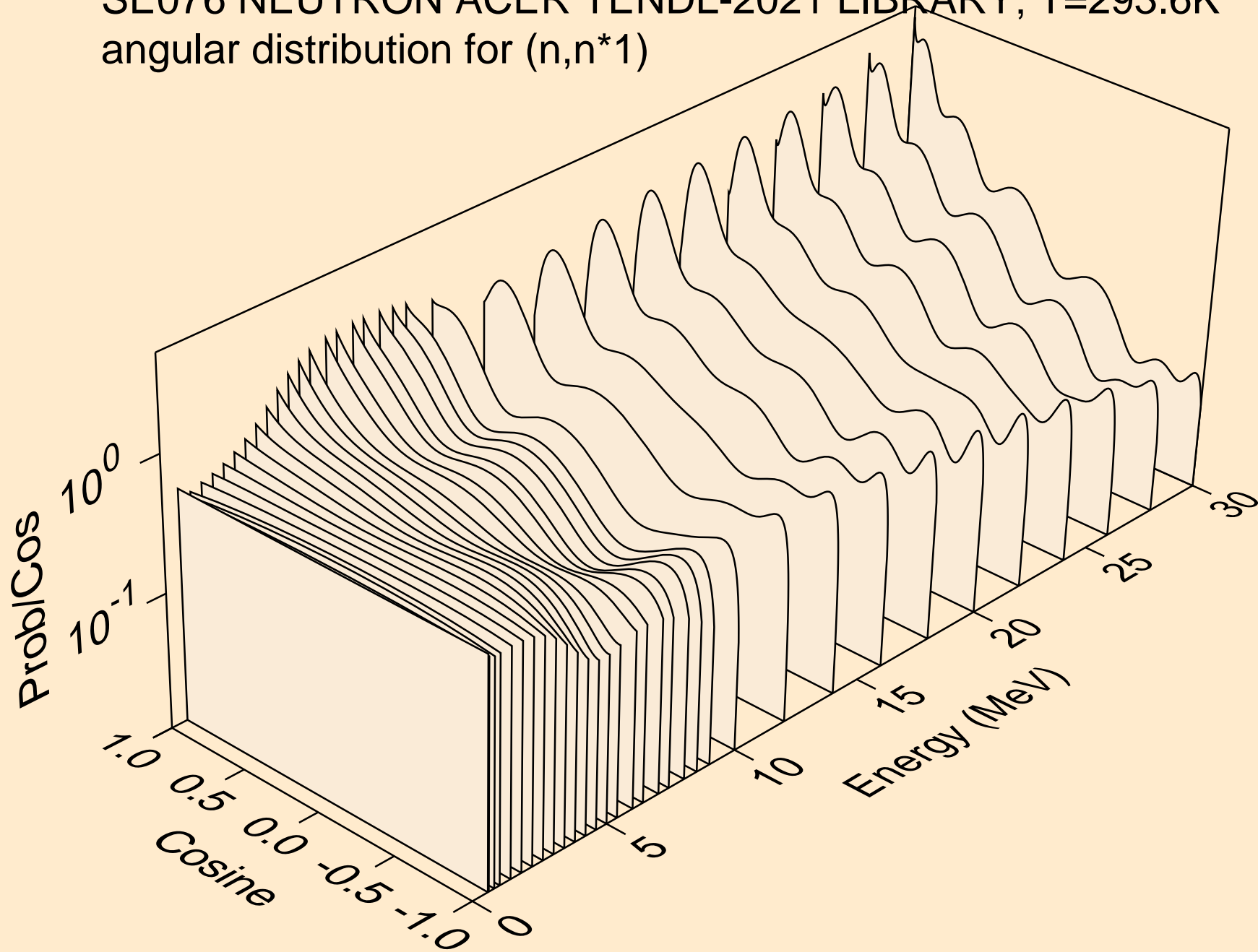
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



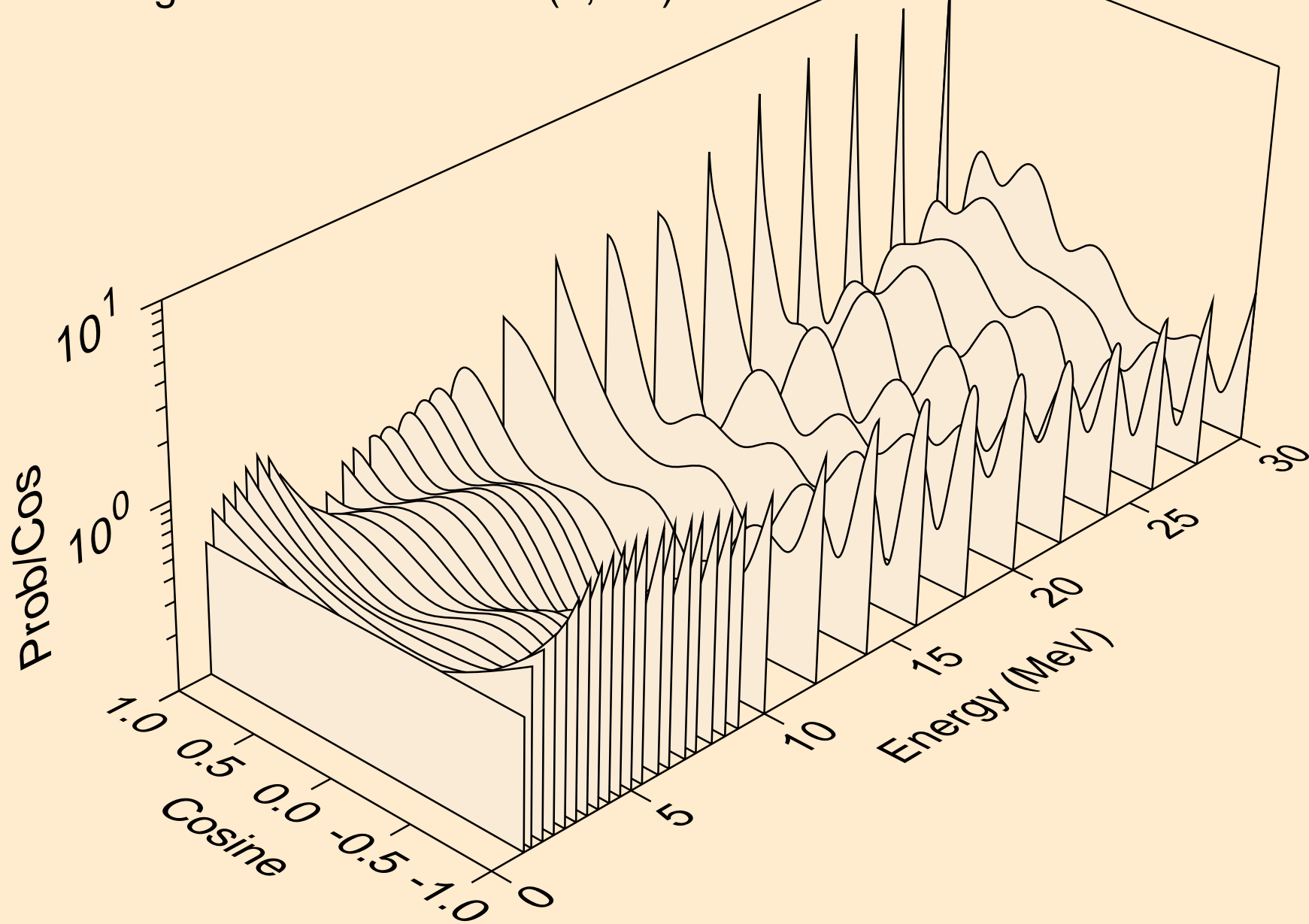
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



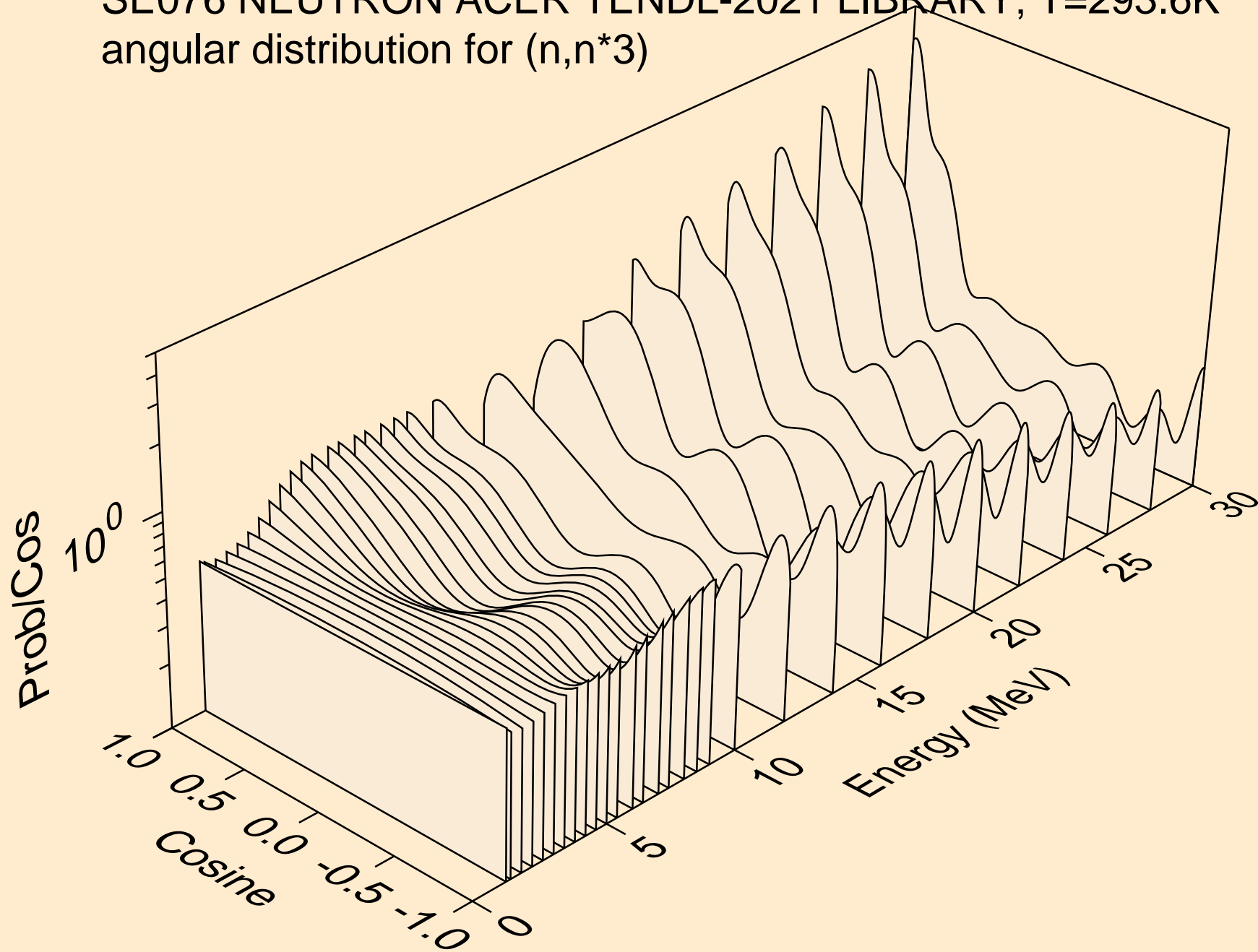
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)

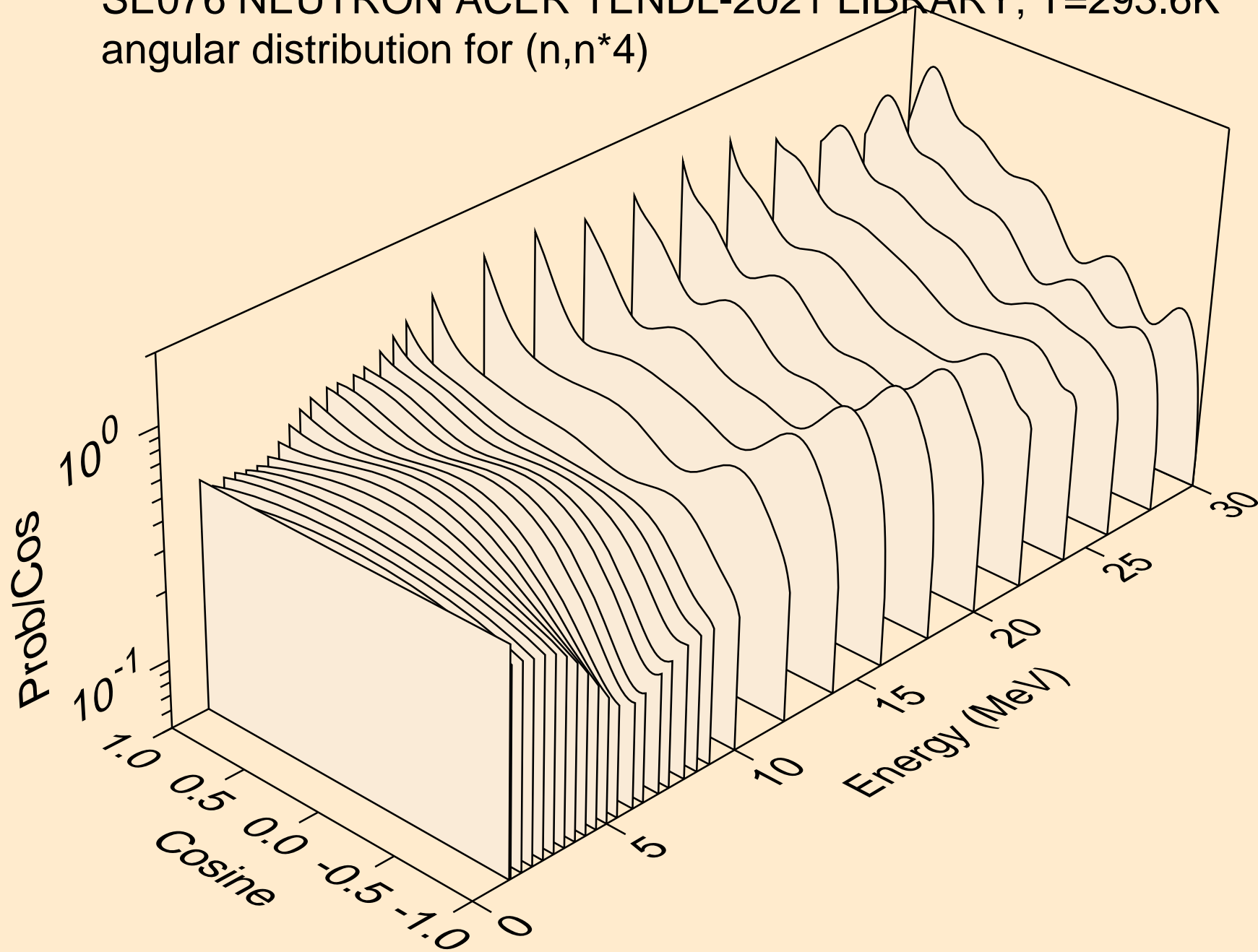


SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)

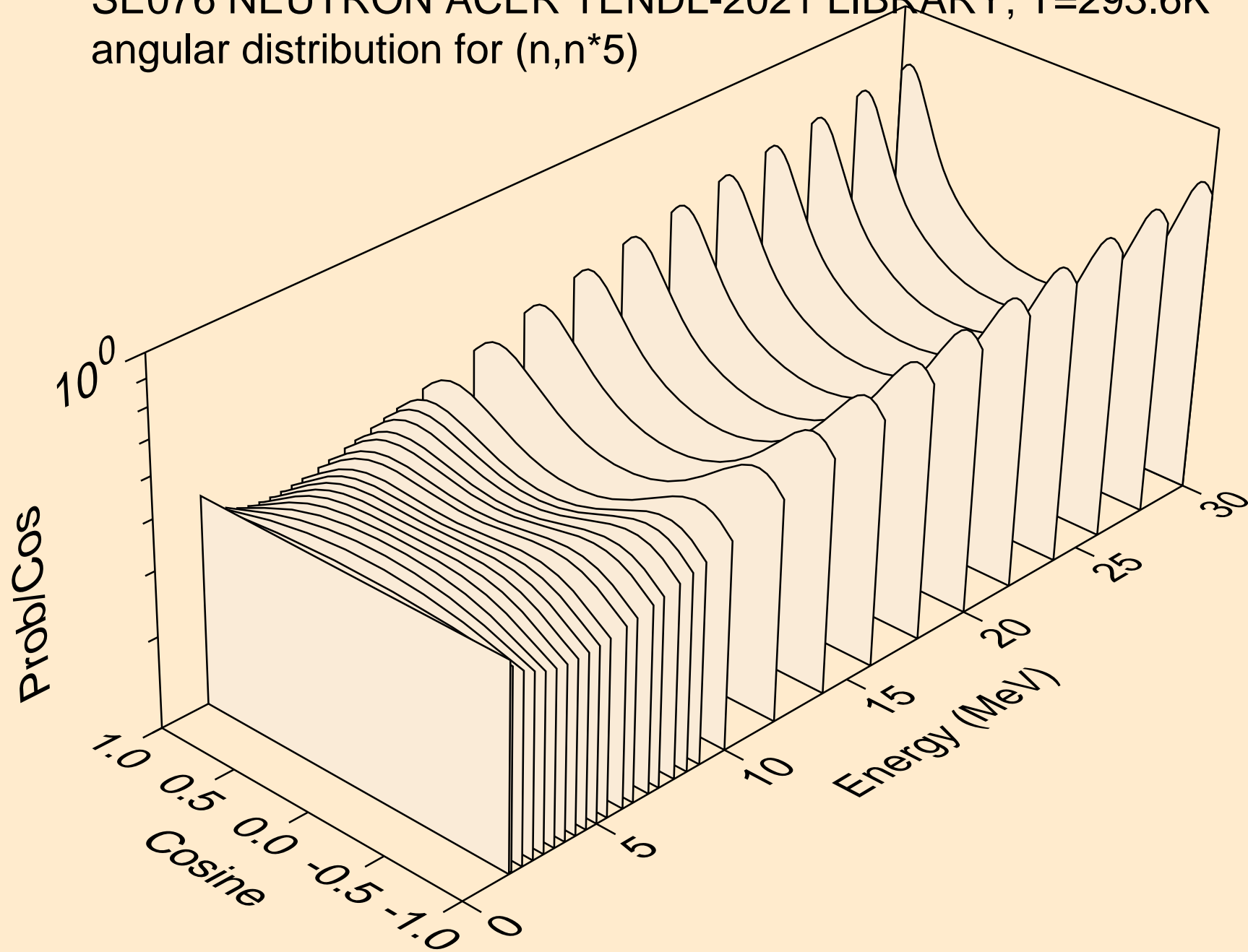




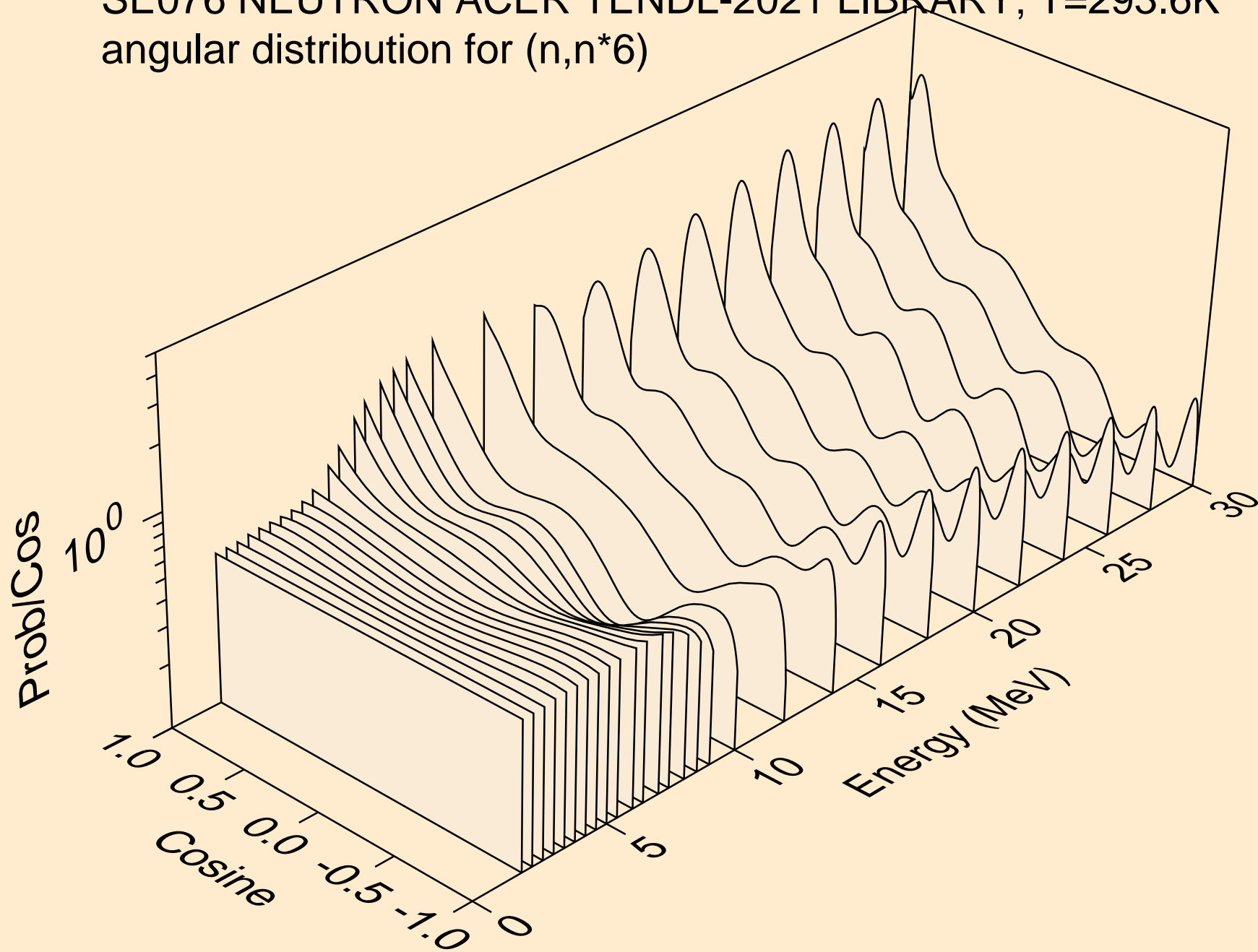
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angular distribution for (n,n\*4)



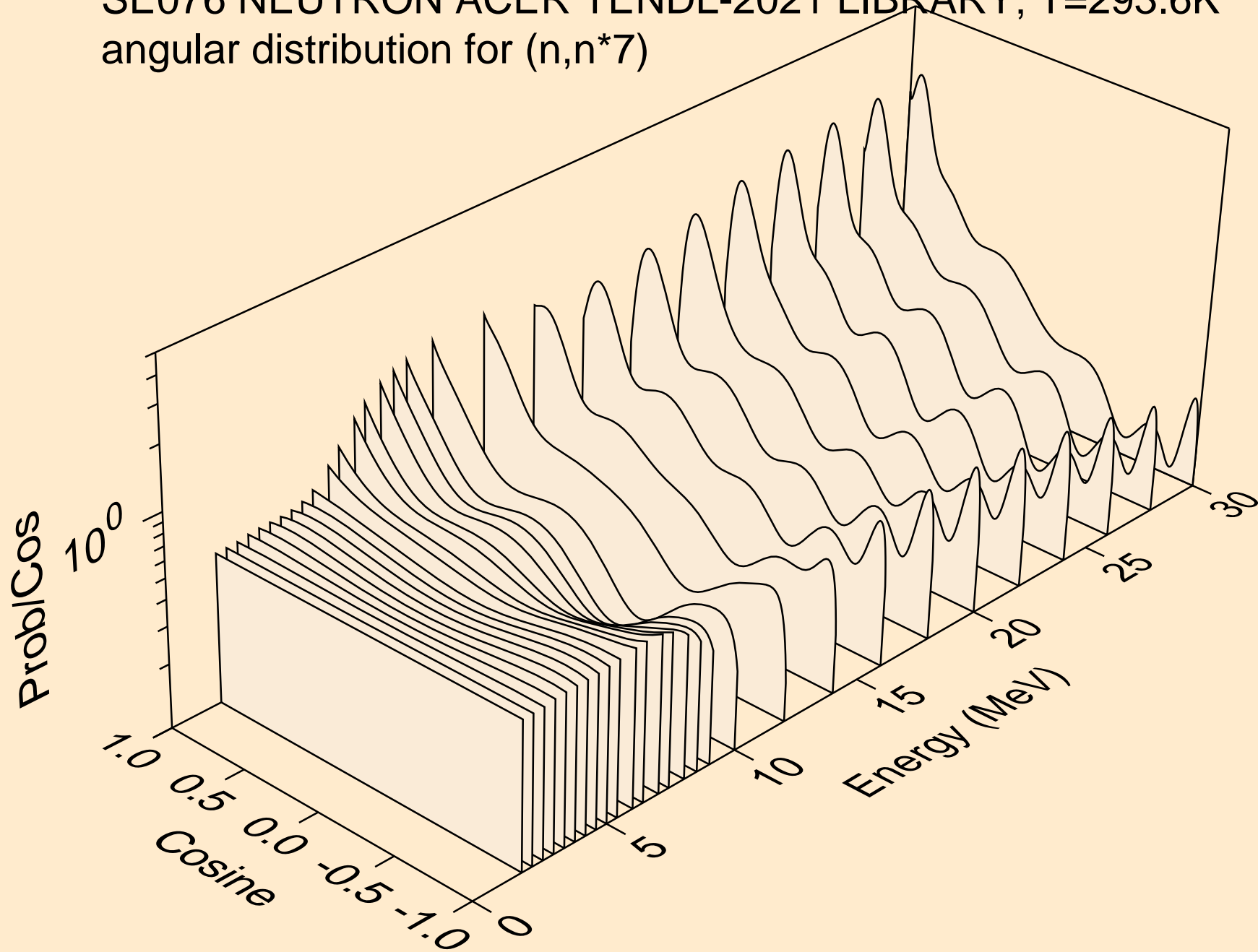
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*5)



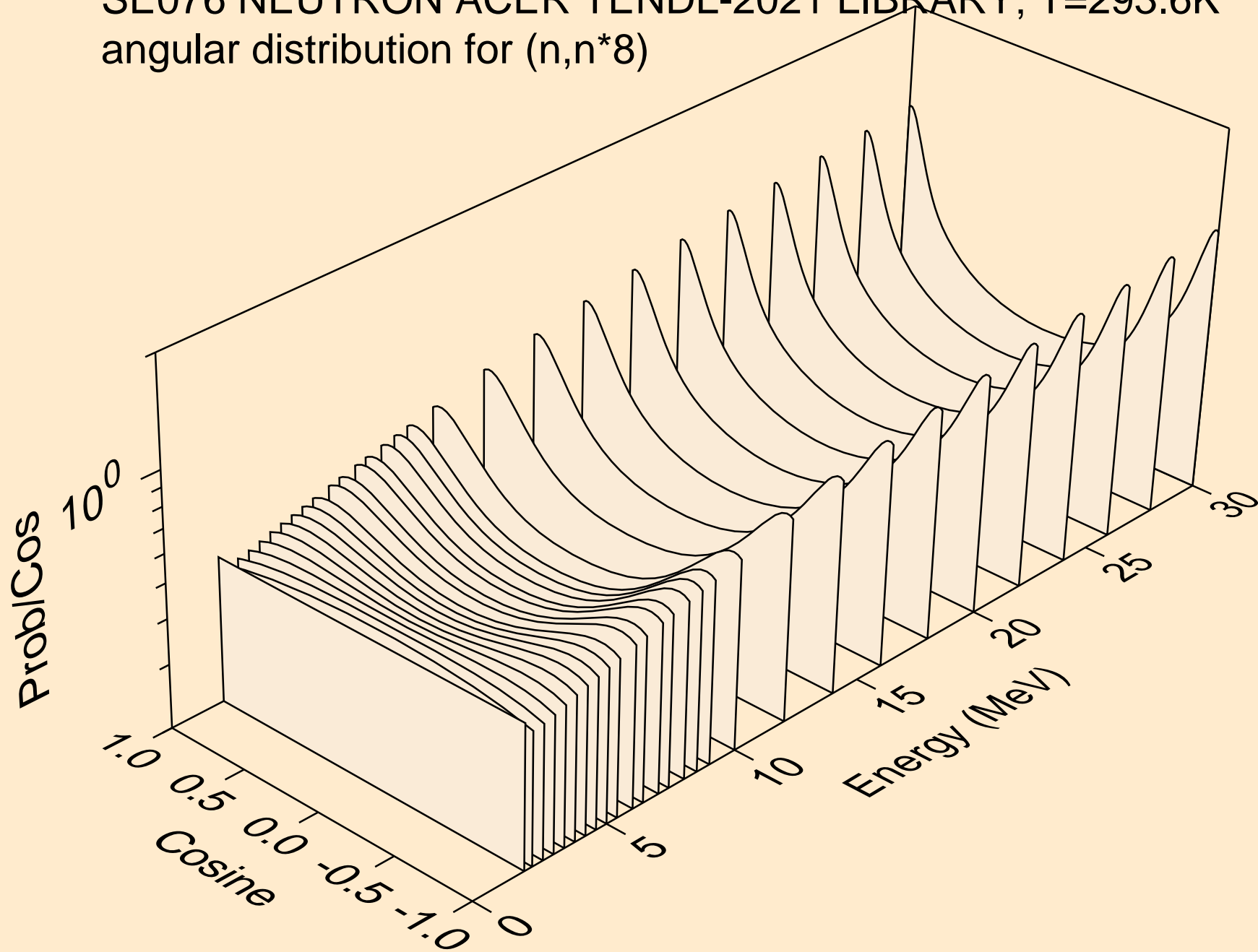
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)



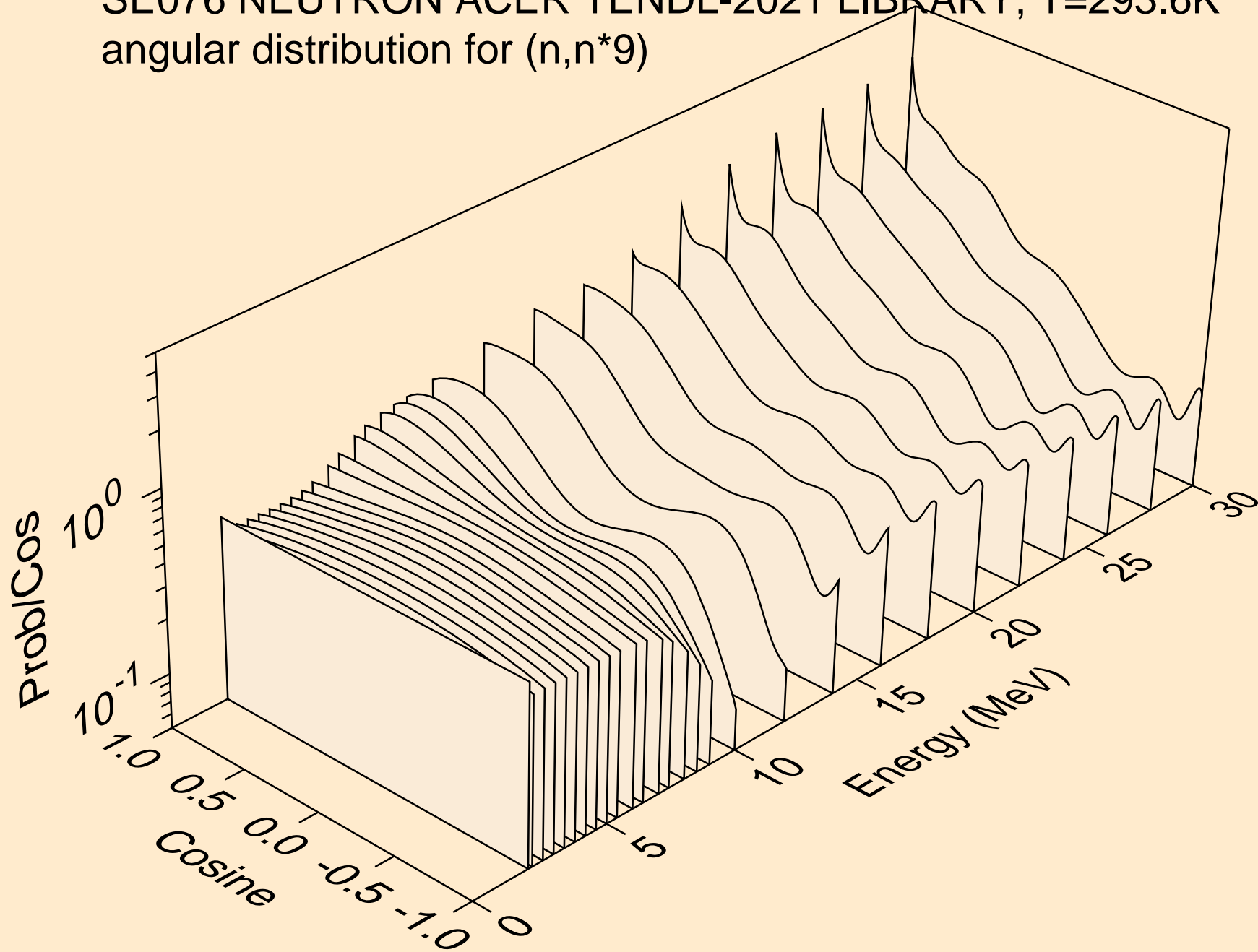
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*7)



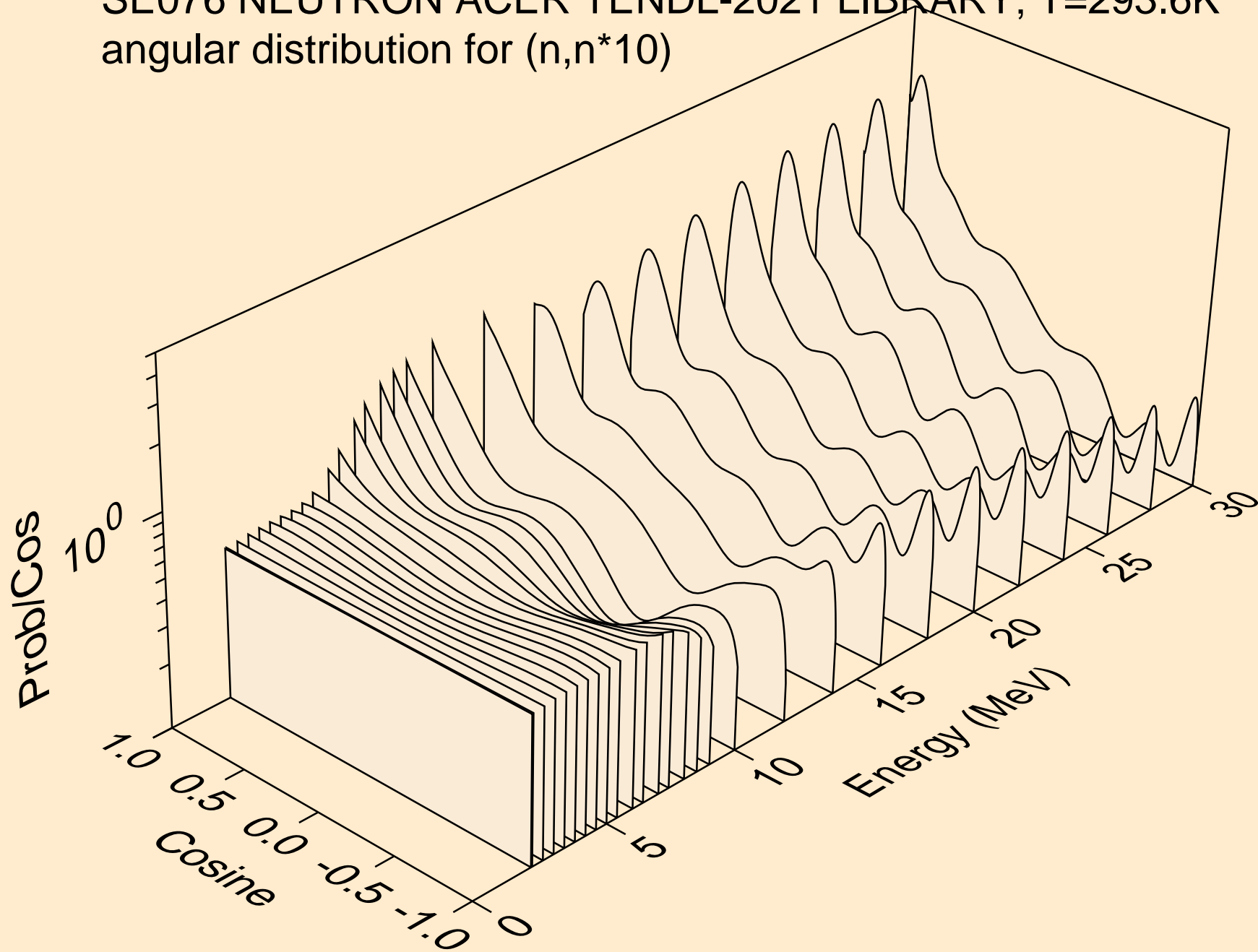
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angular distribution for (n,n\*8)



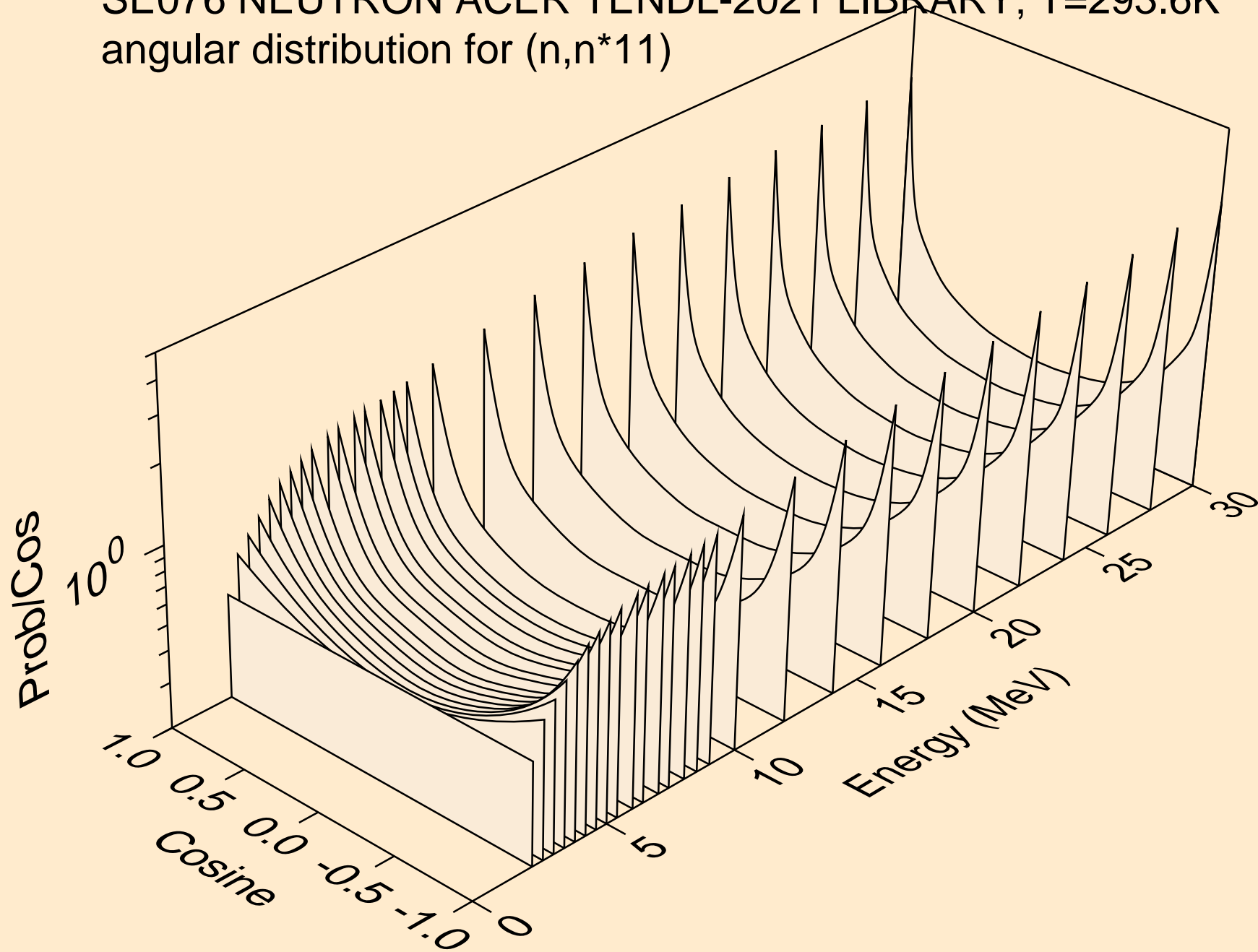
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*9)



SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*10)

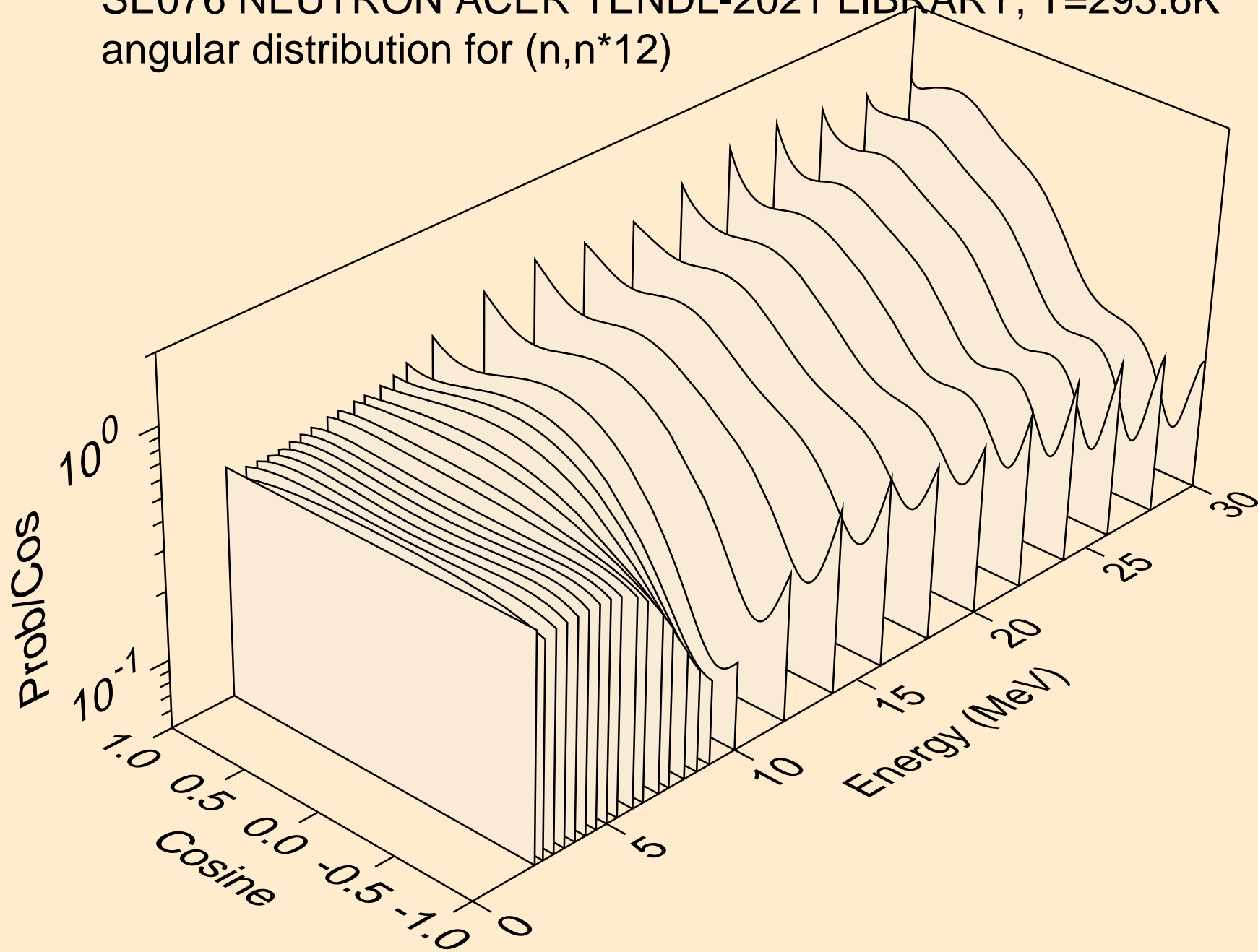


SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*11)

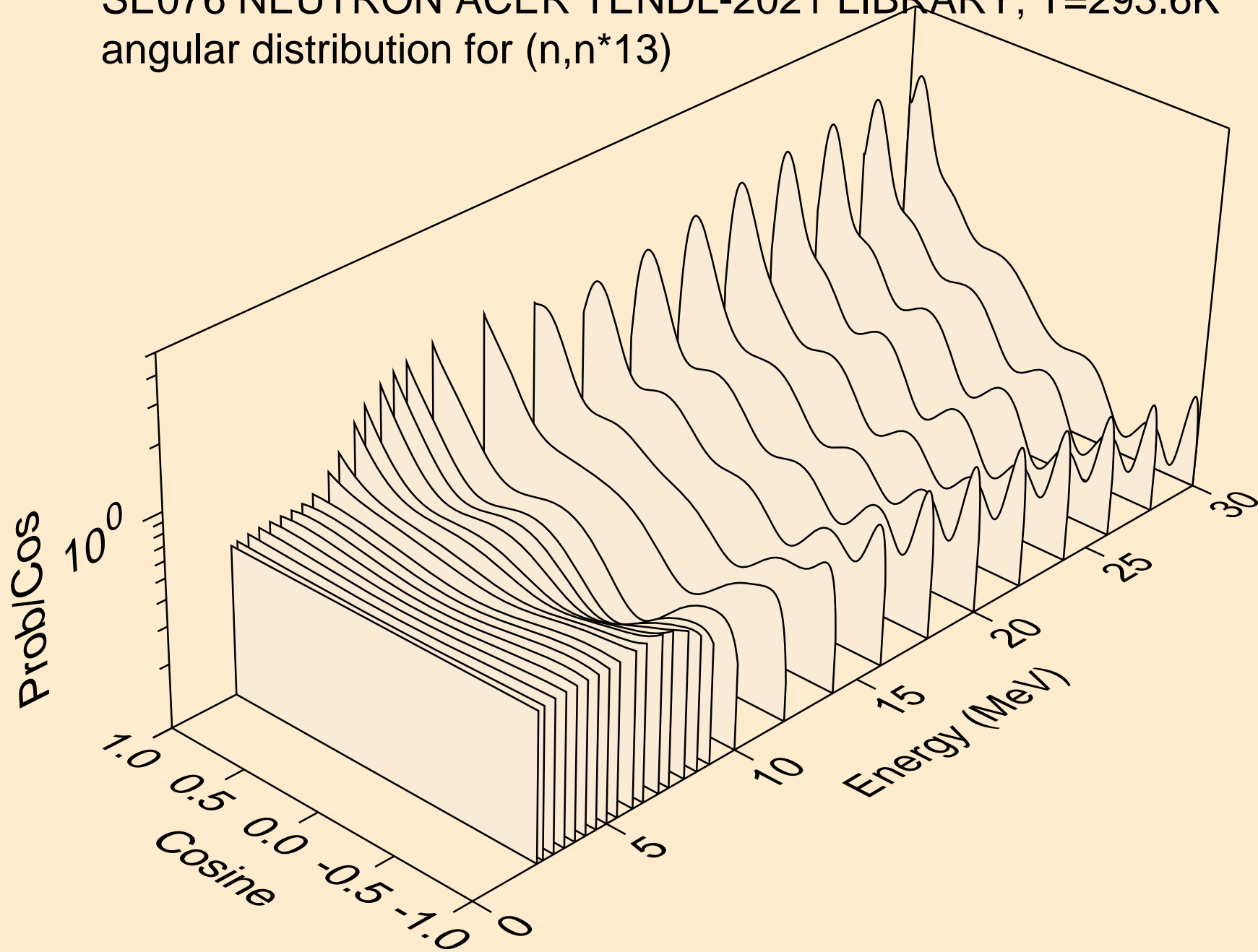




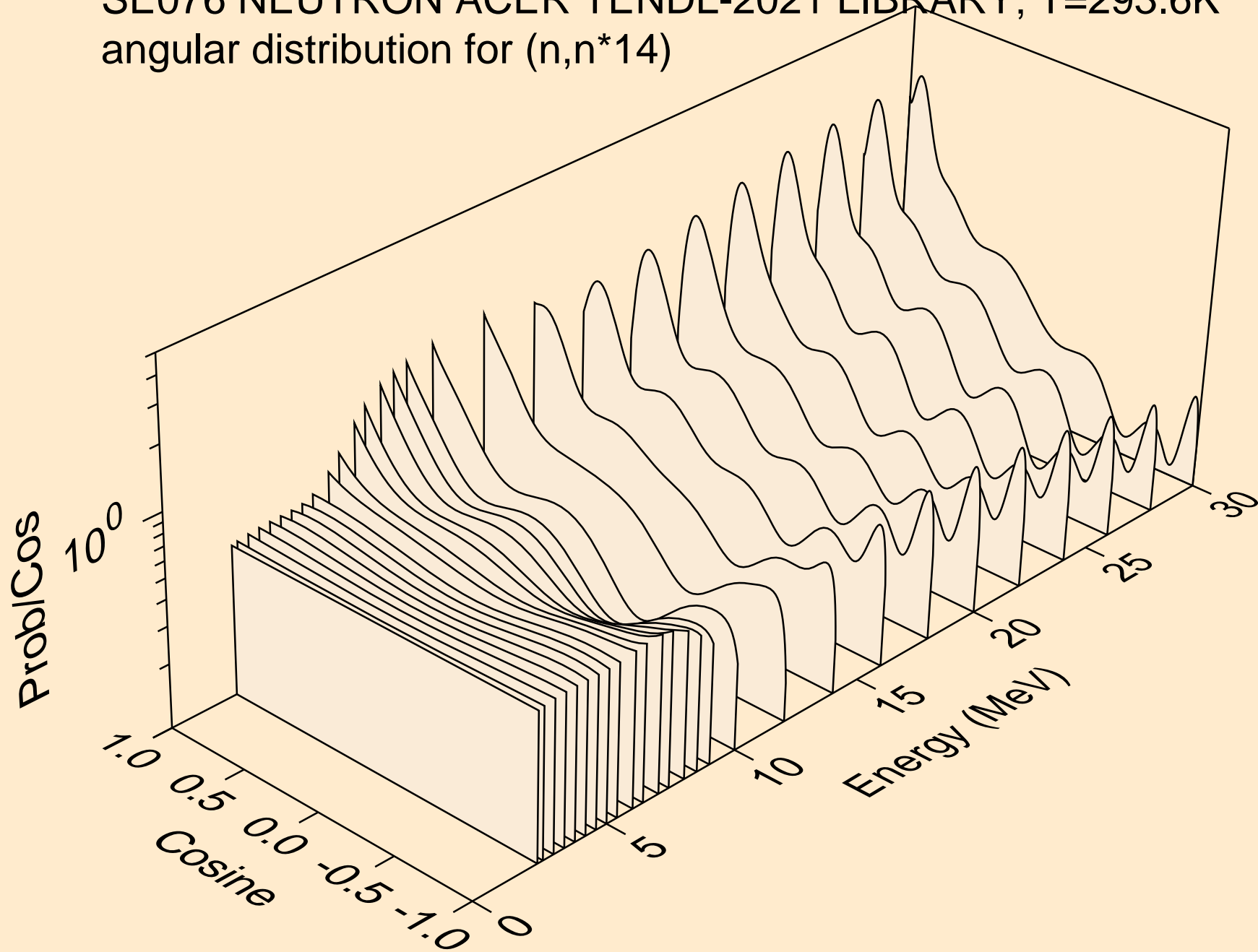
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*12)



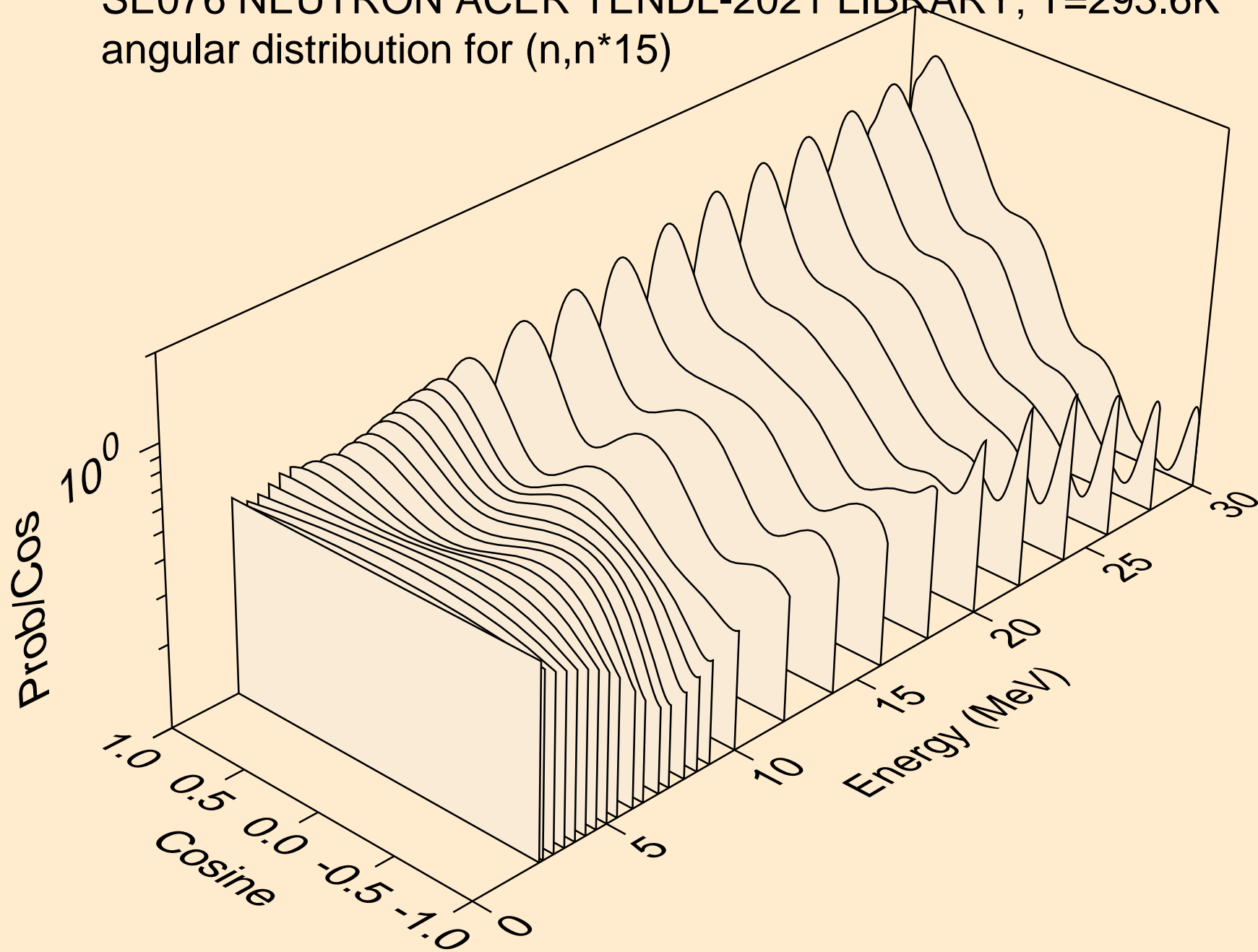
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*13)



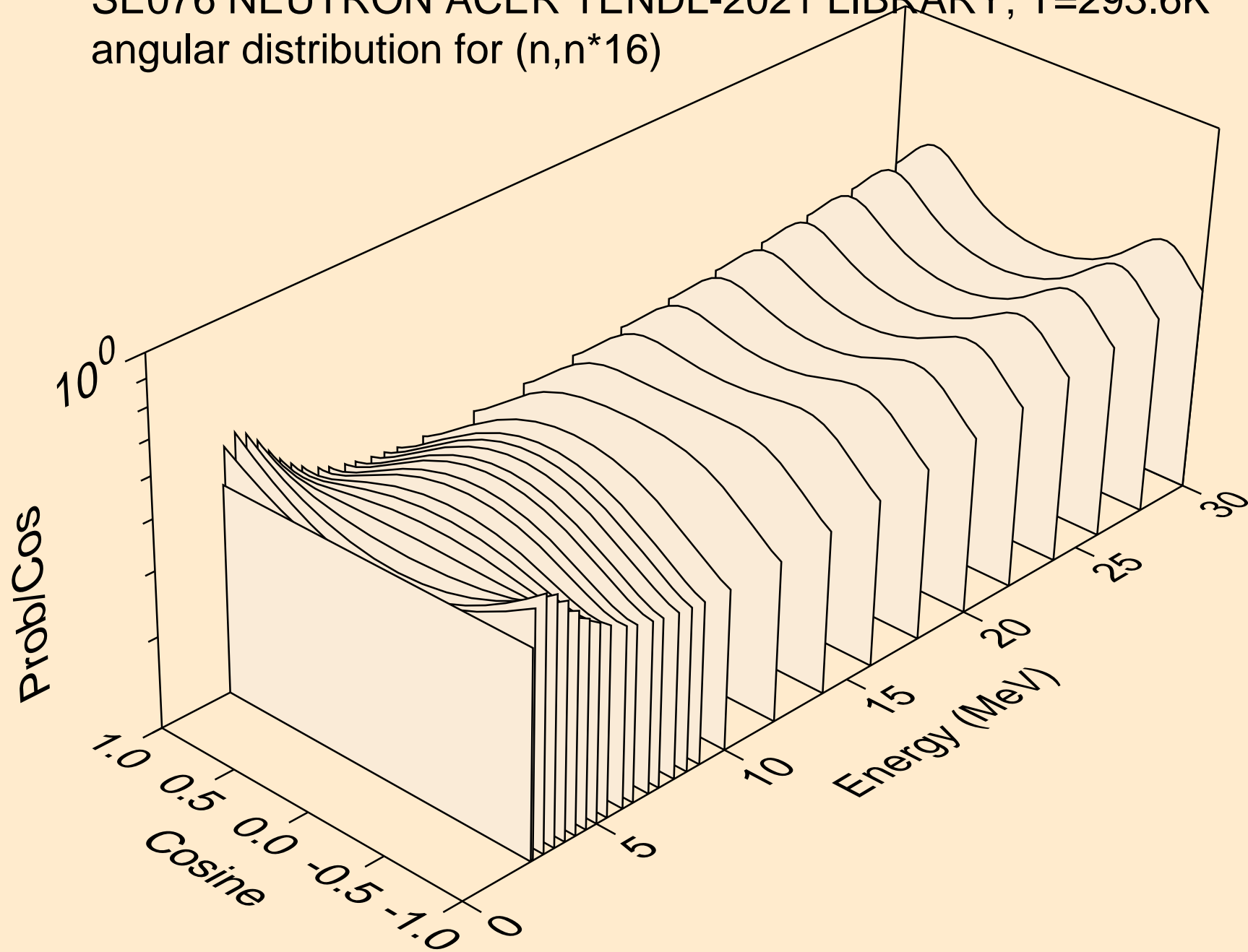
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*14)



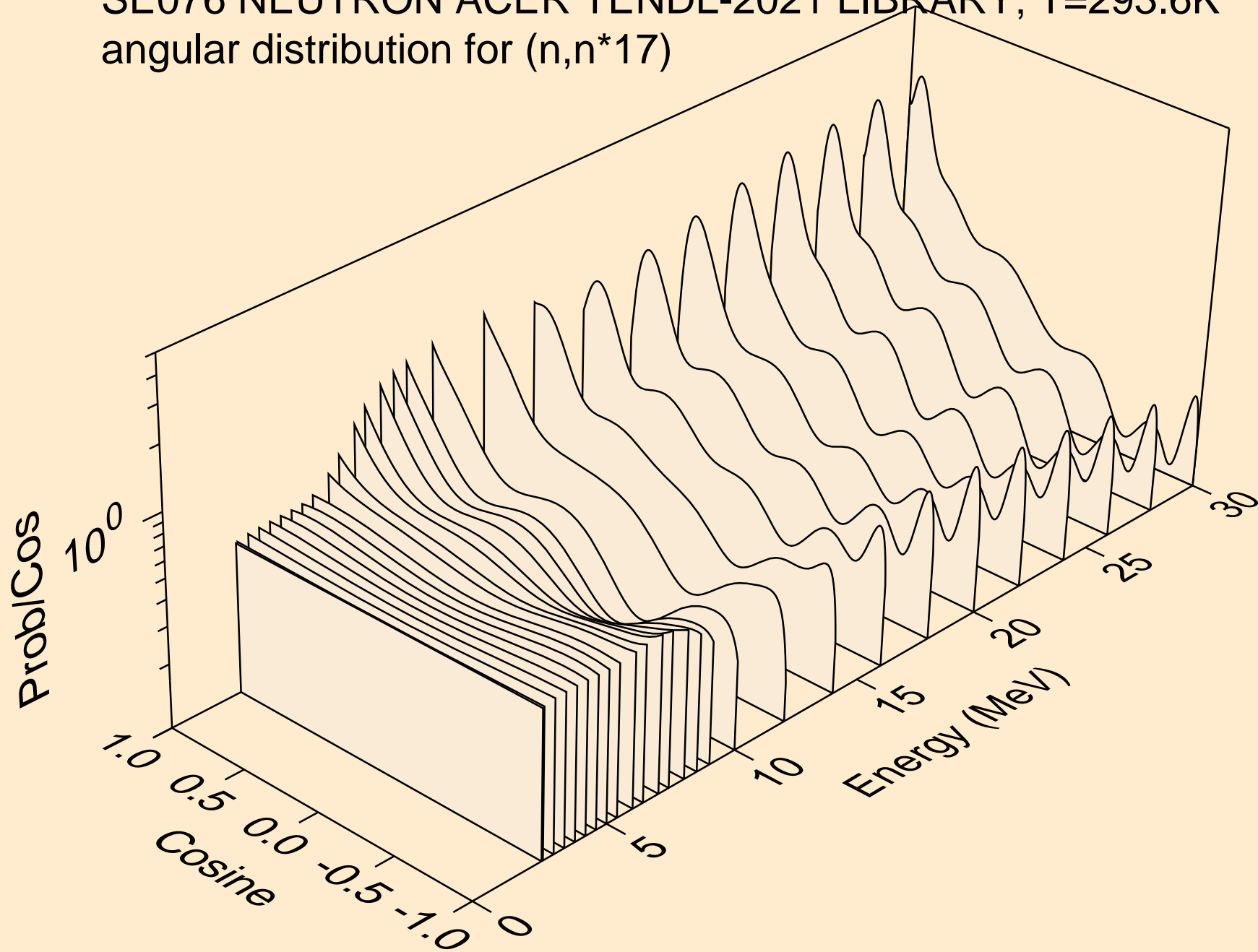
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angular distribution for (n,n\*15)



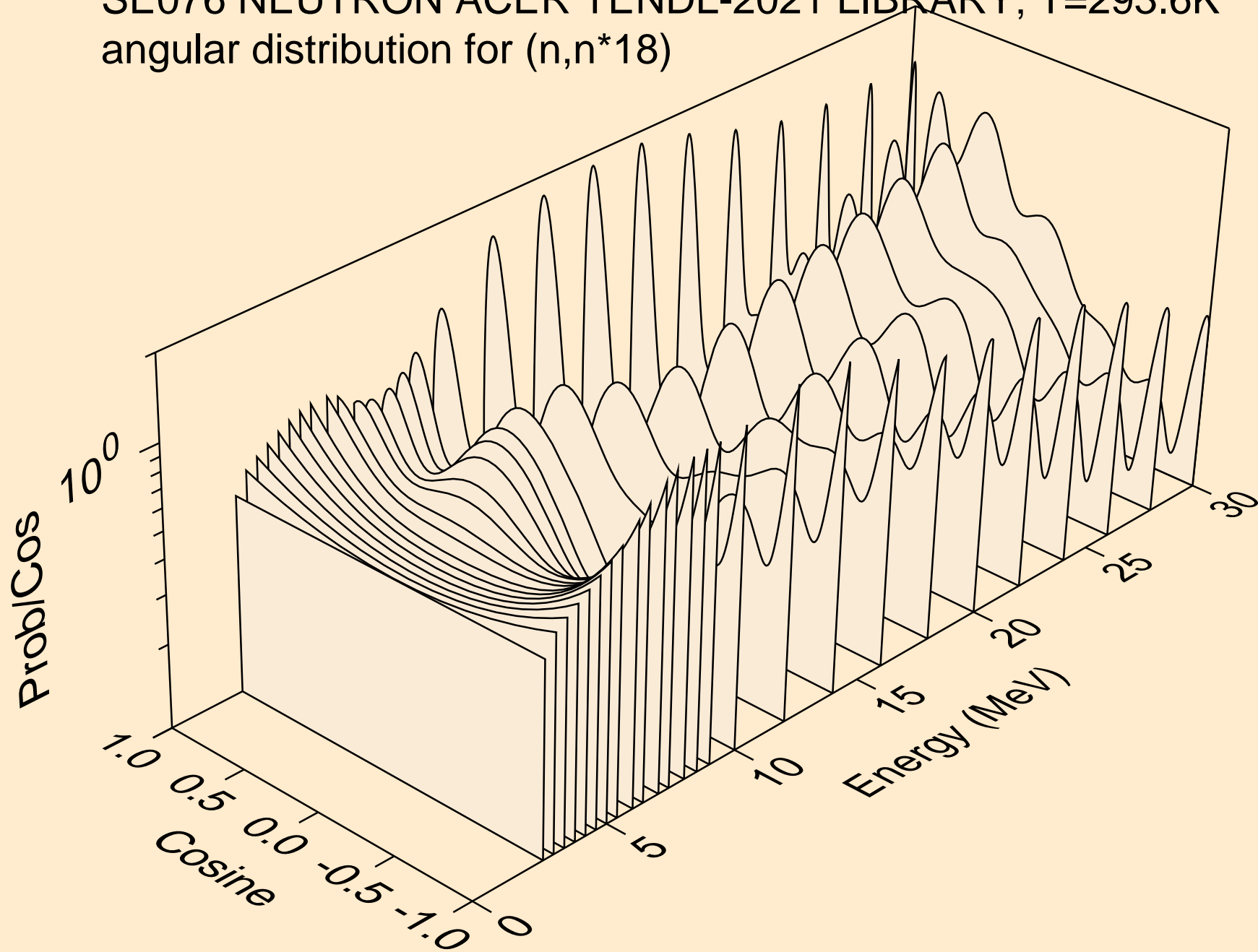
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*16)



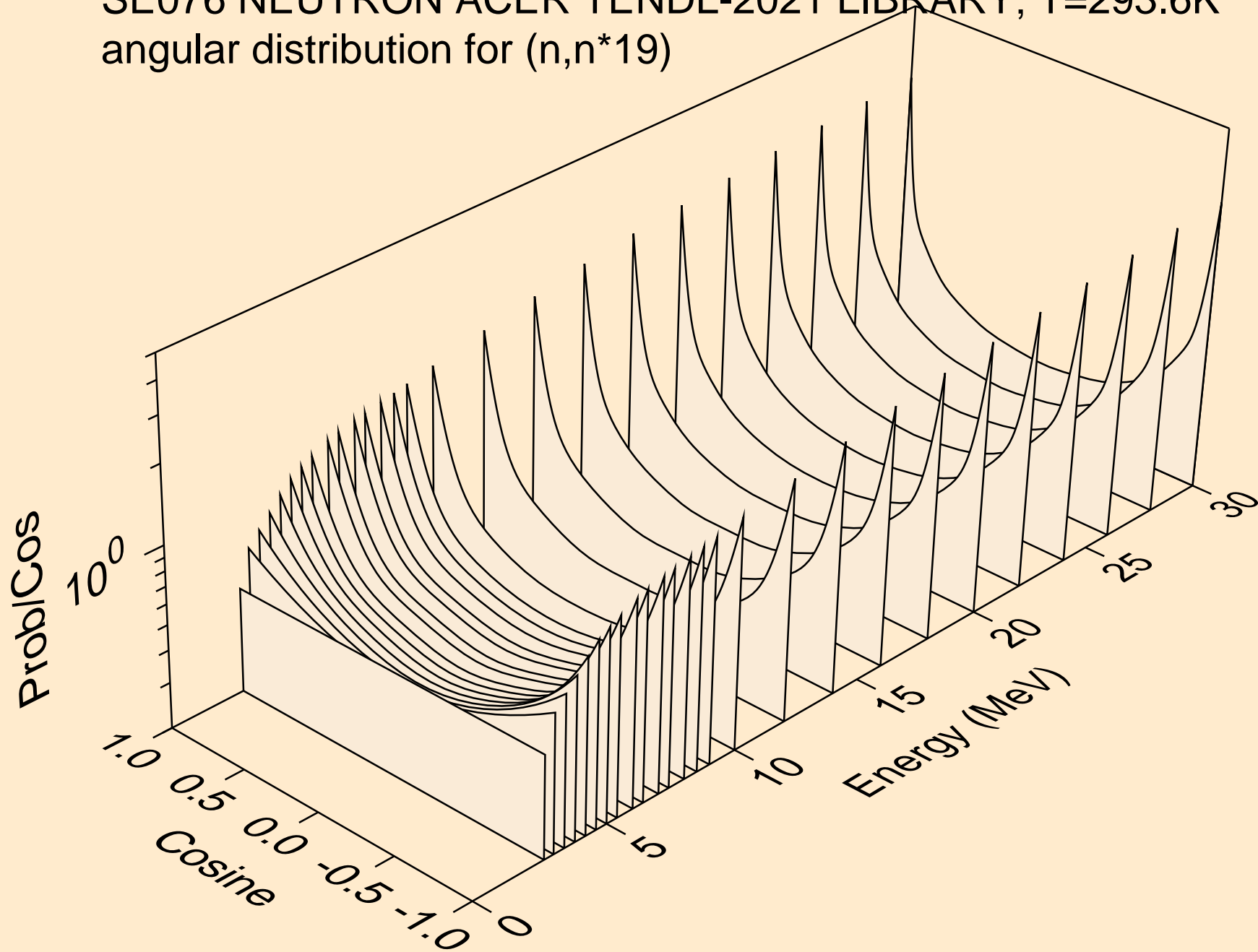
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*17)



SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*18)

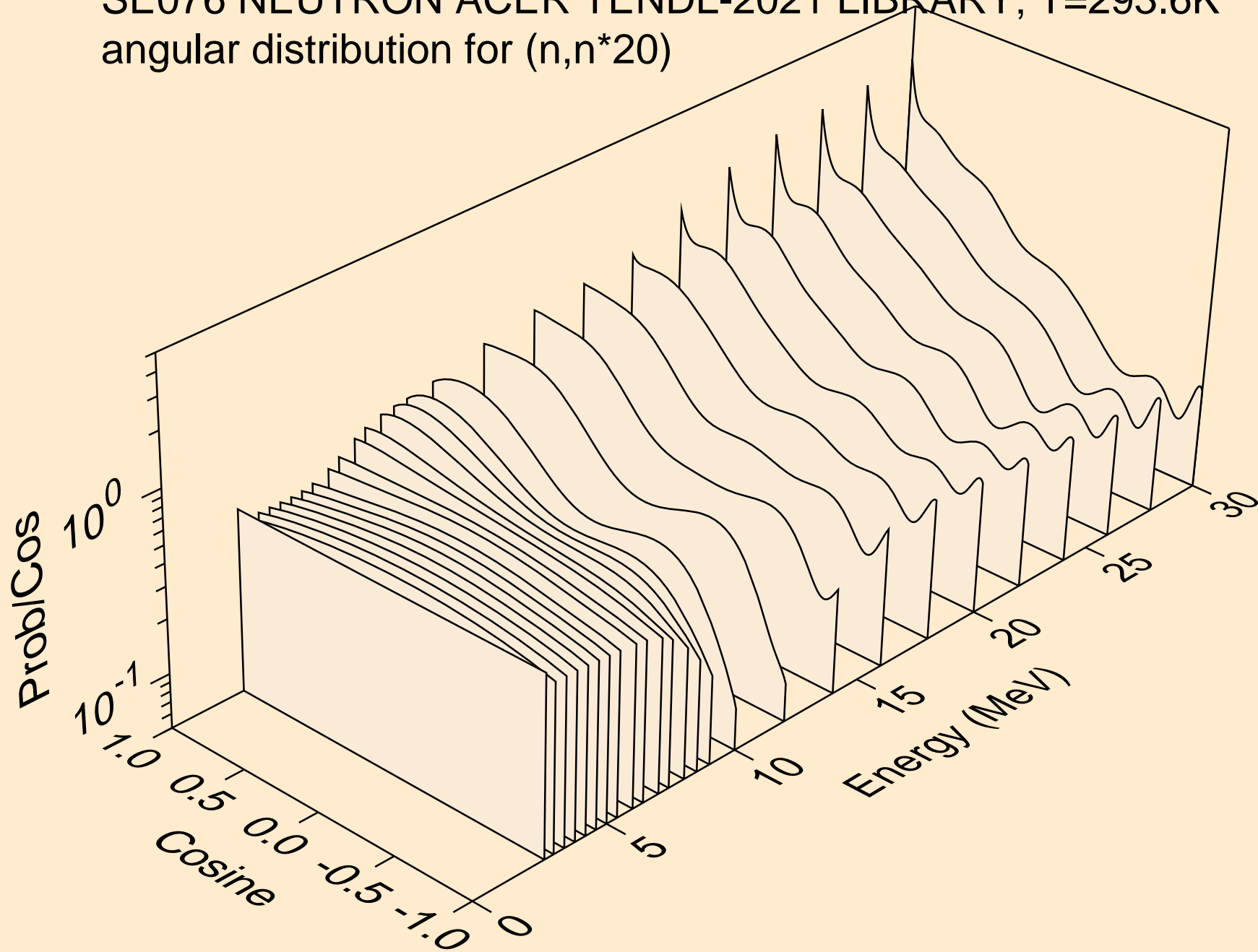


SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*19)

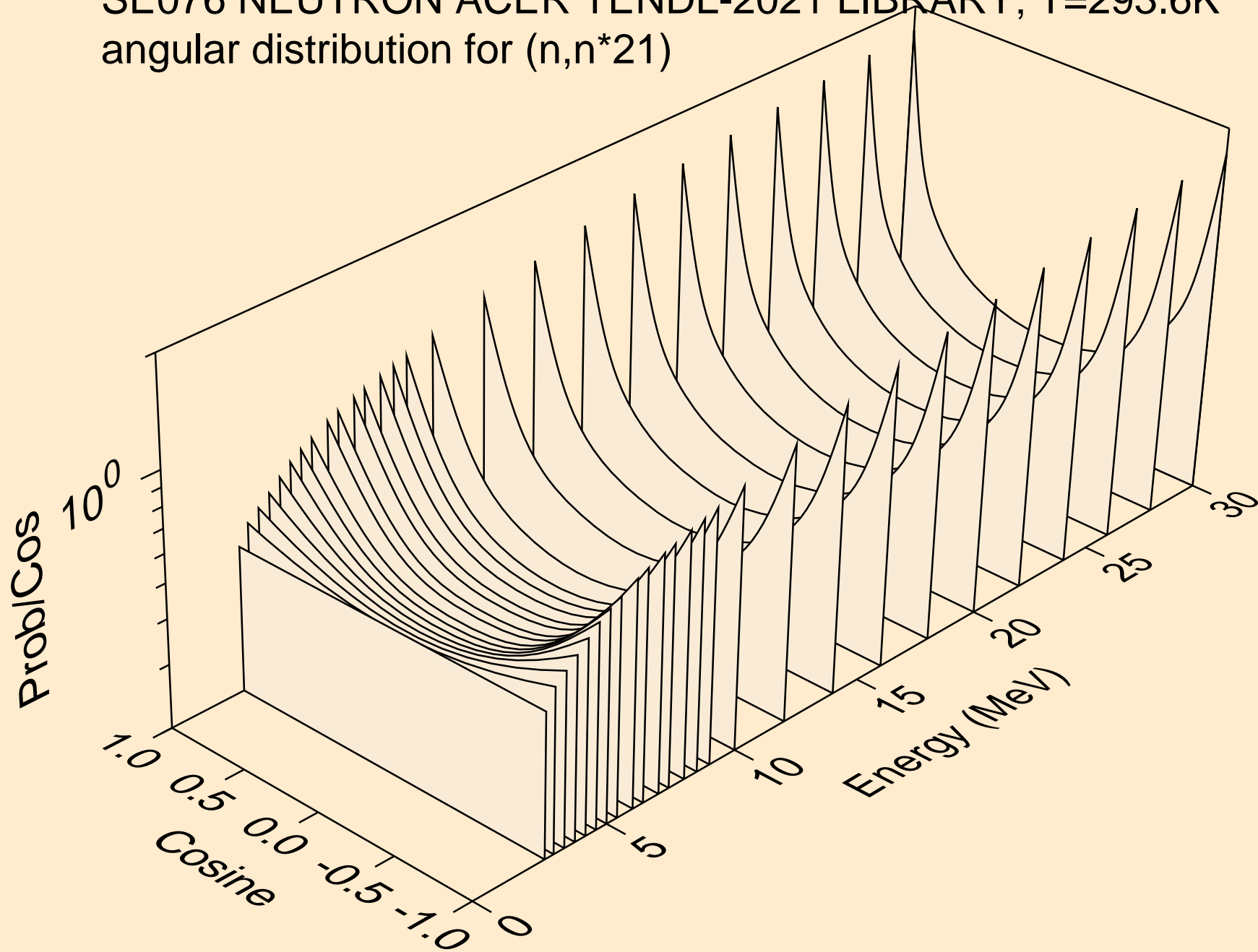




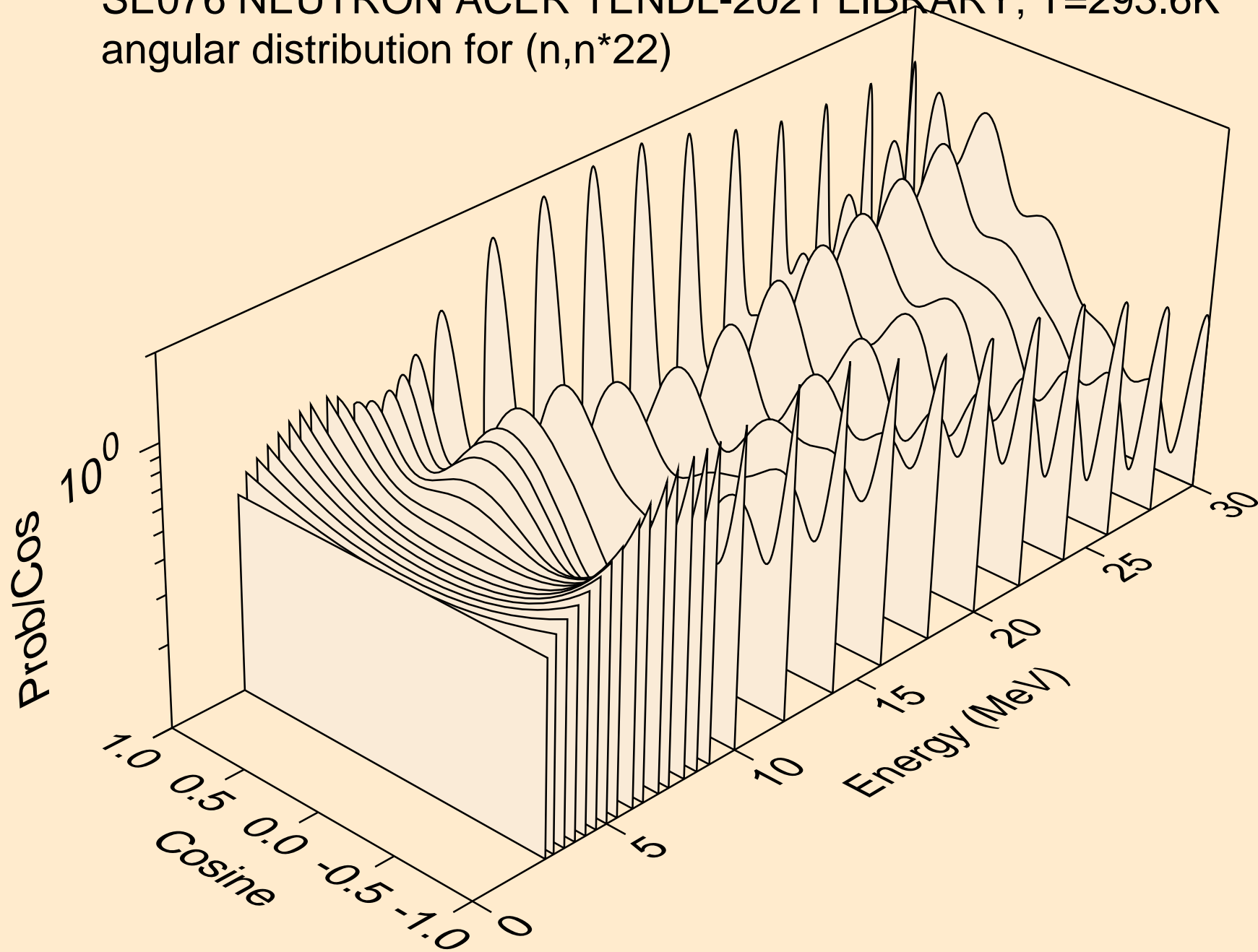
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*20)



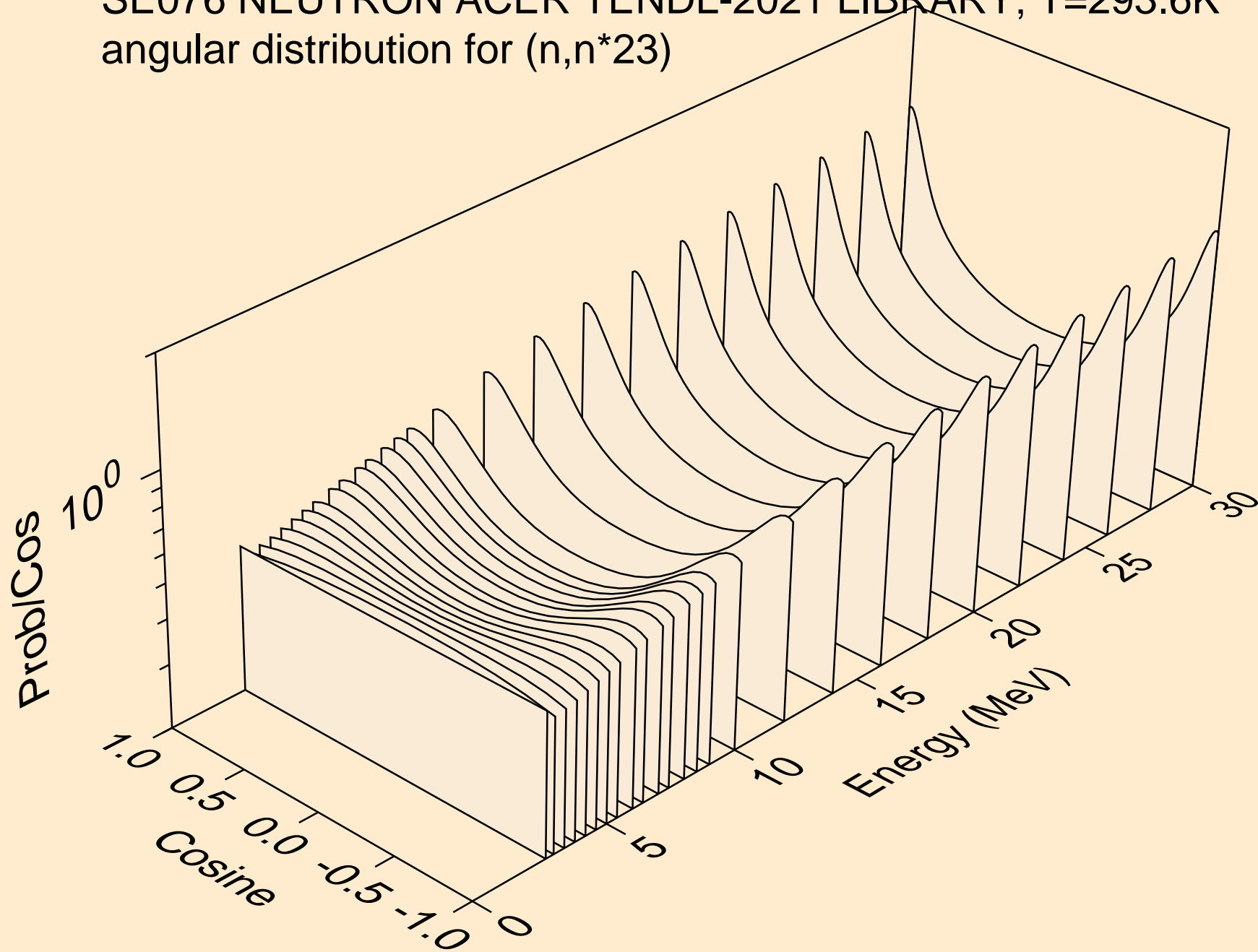
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angular distribution for (n,n\*21)



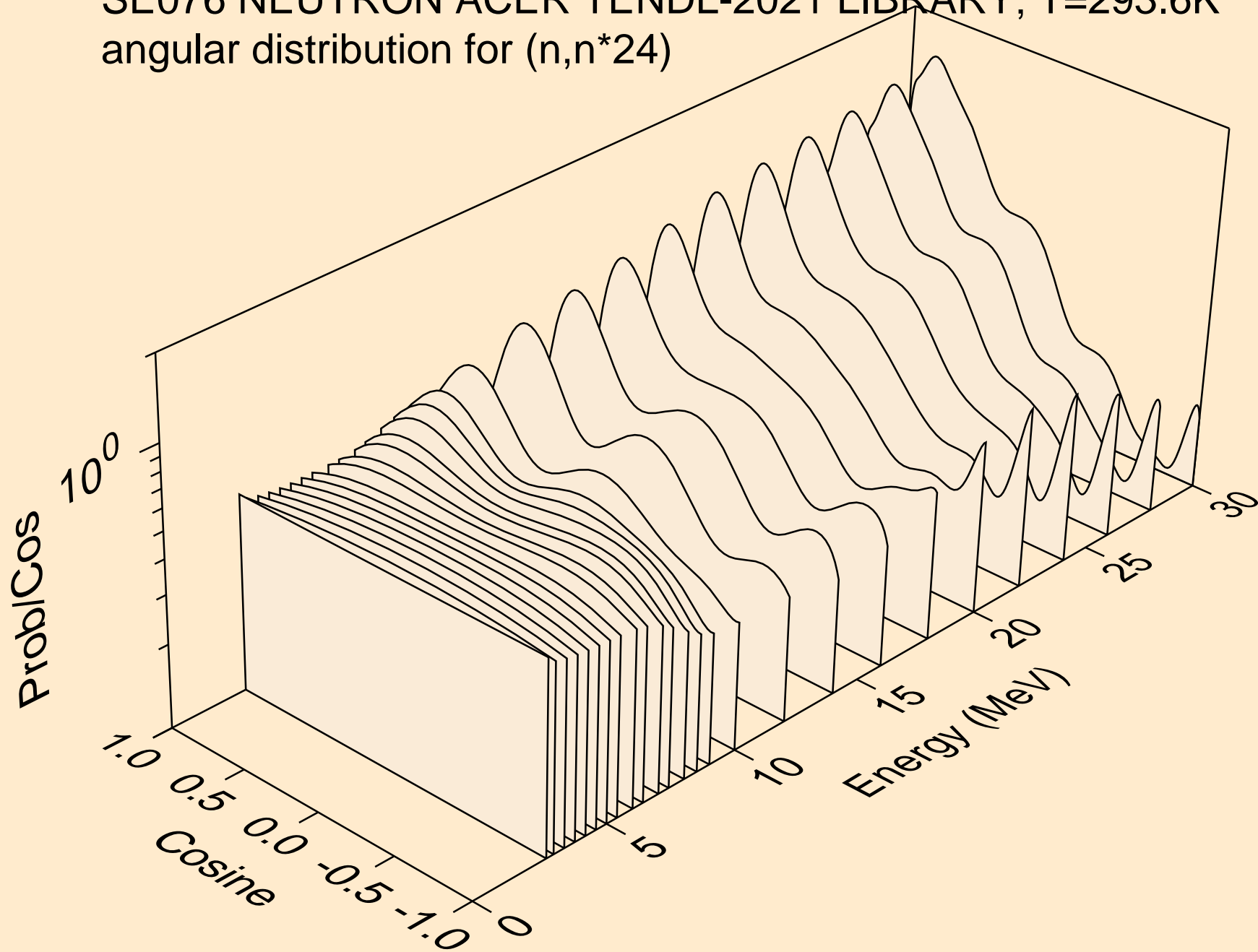
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angular distribution for (n,n\*22)



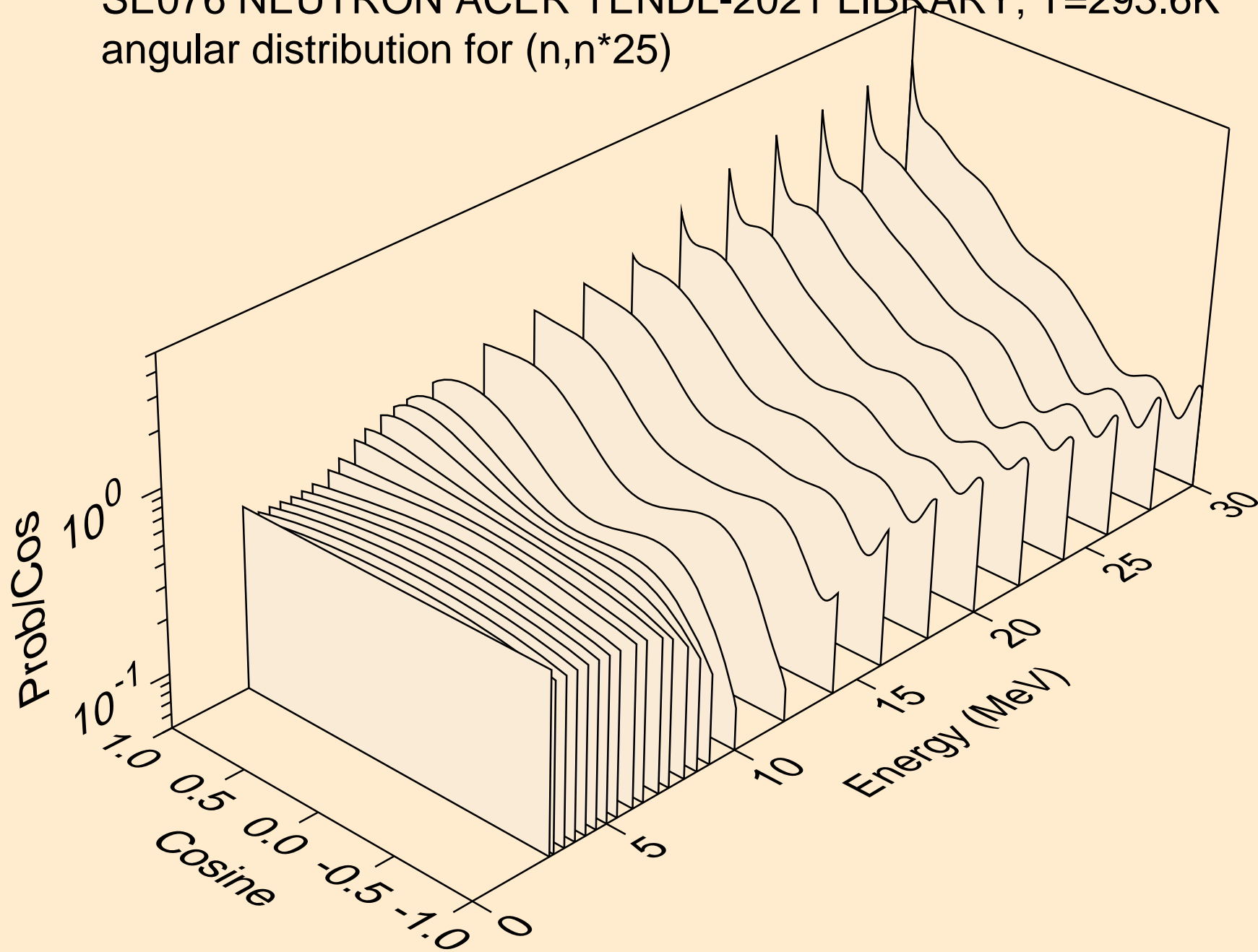
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angular distribution for (n,n\*23)



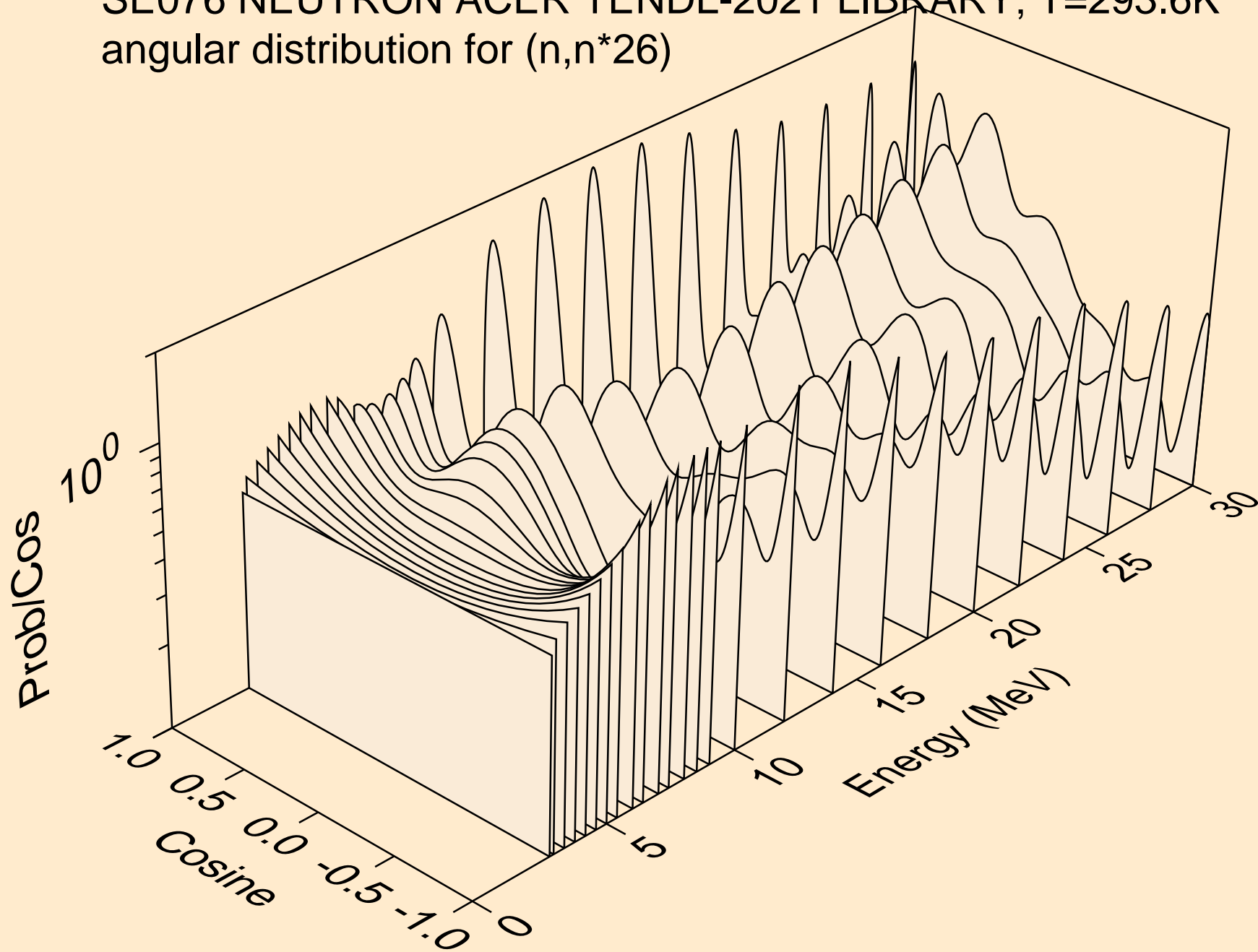
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angular distribution for (n,n\*24)



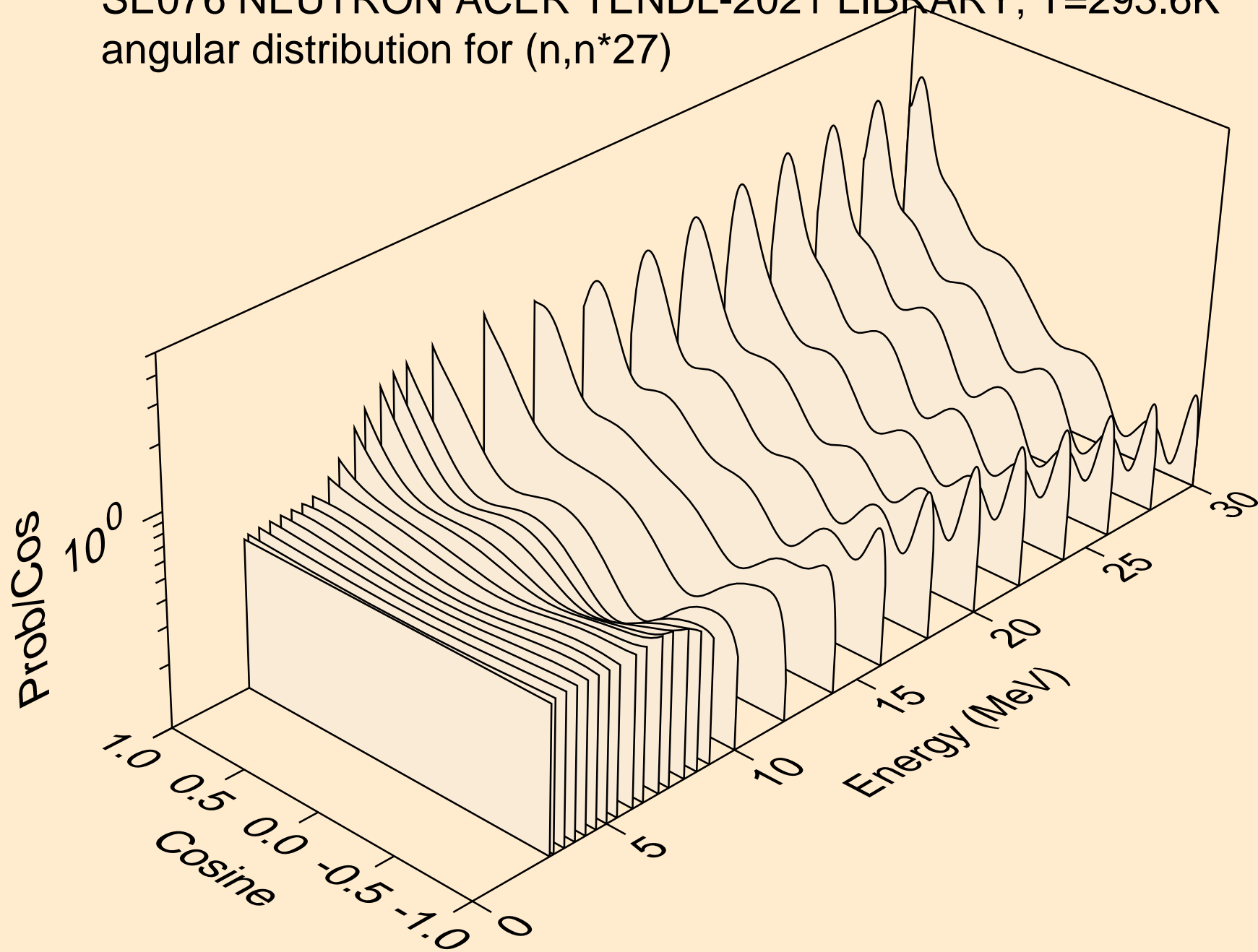
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*25)



SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*26)

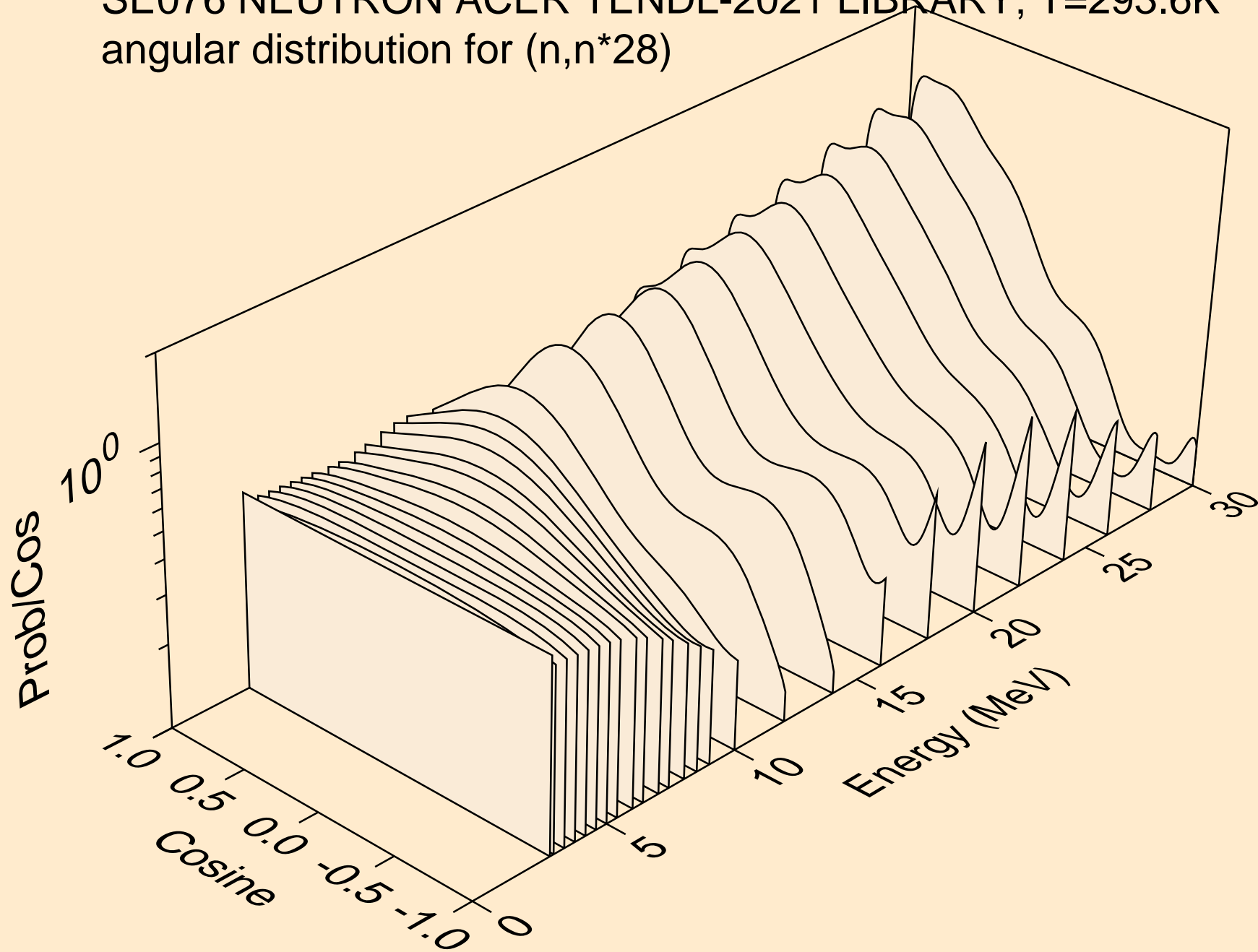


SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*27)

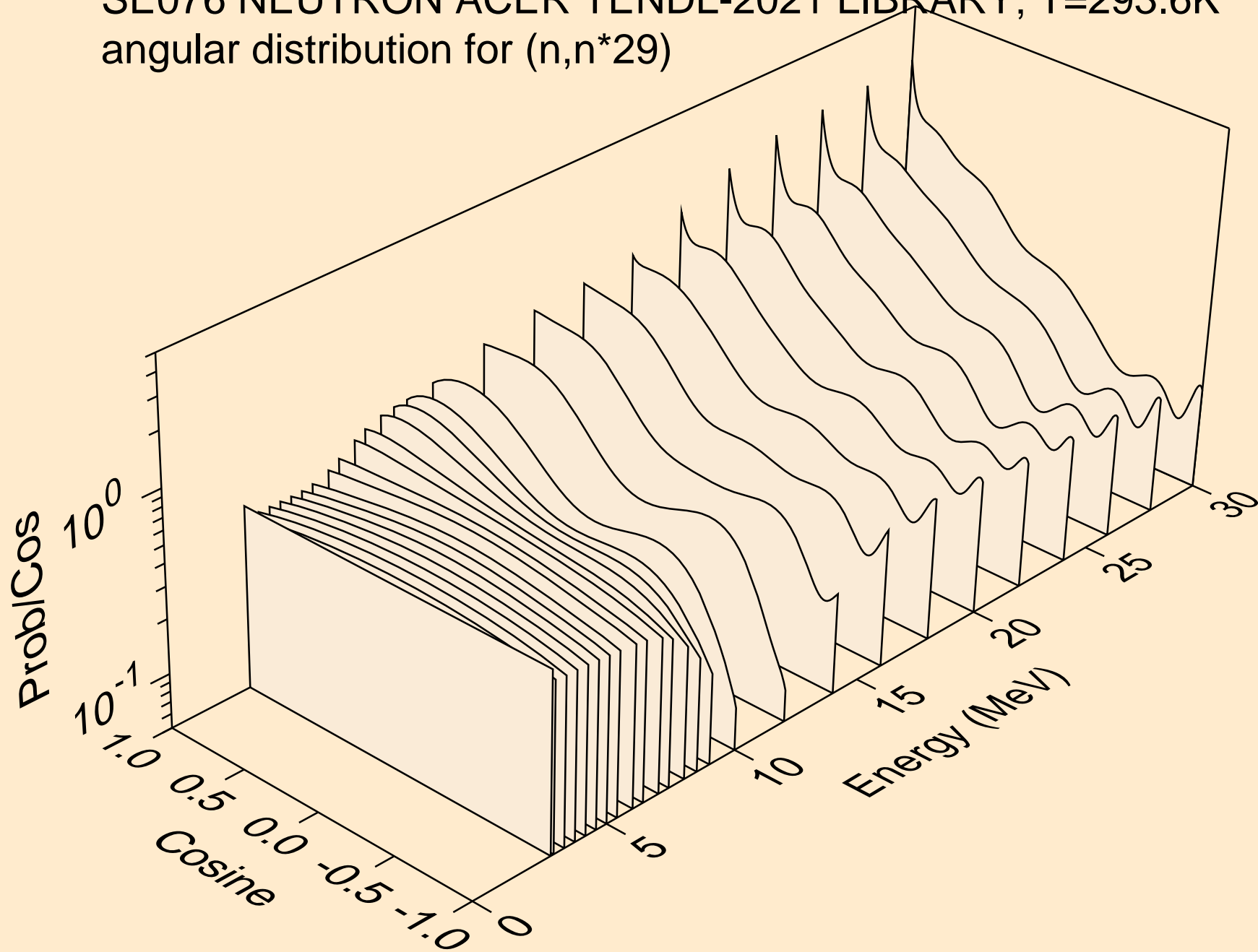




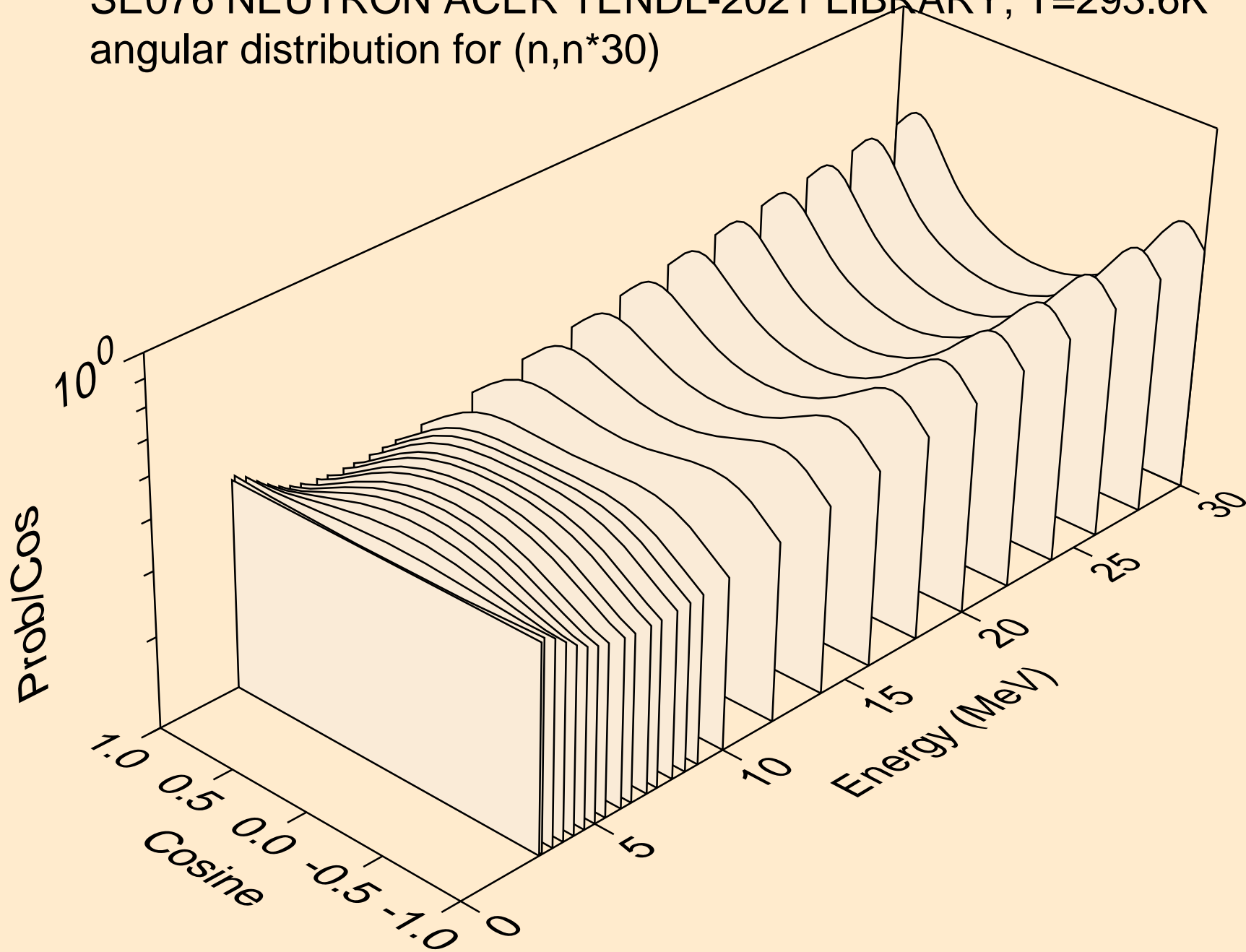
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*28)



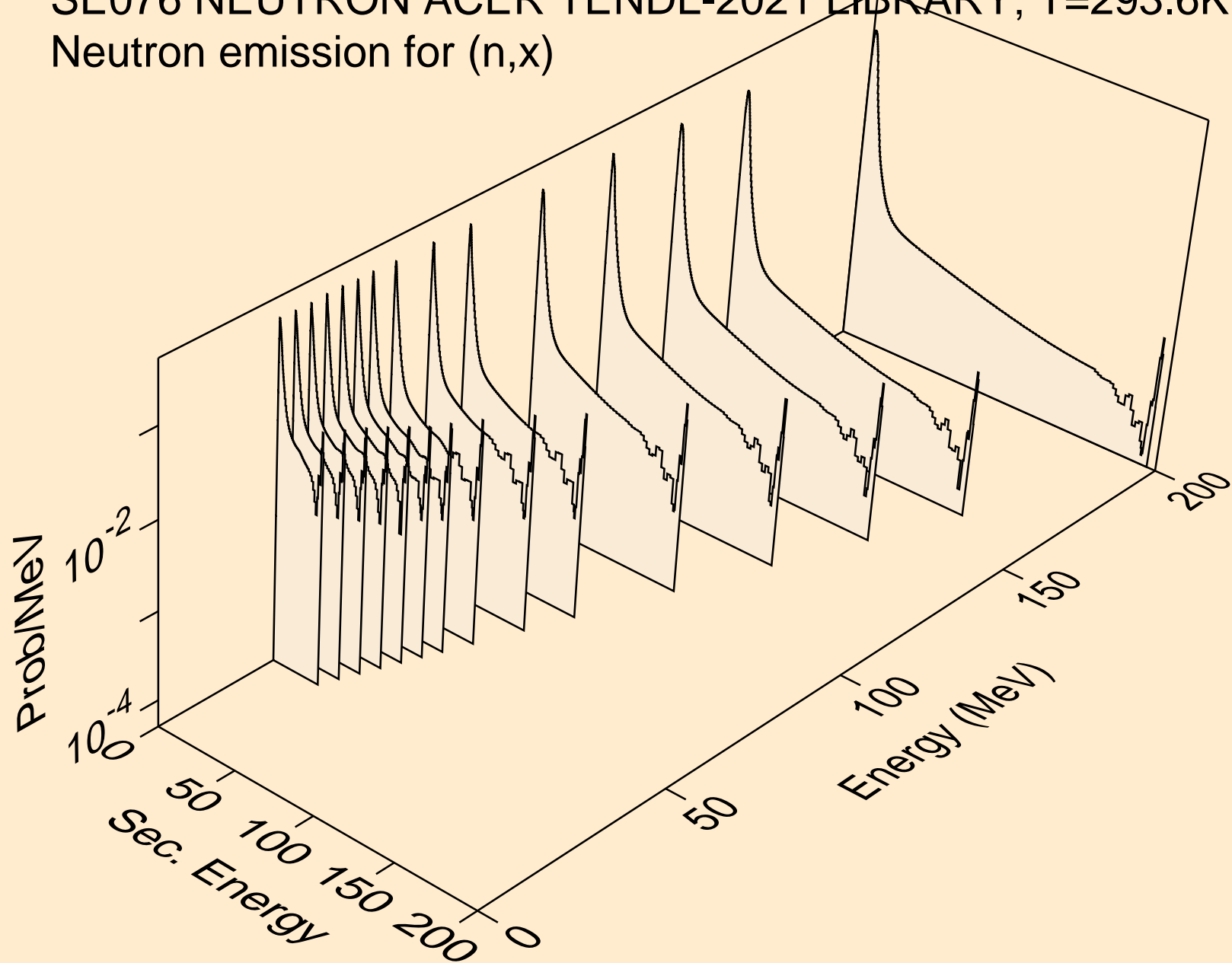
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*29)



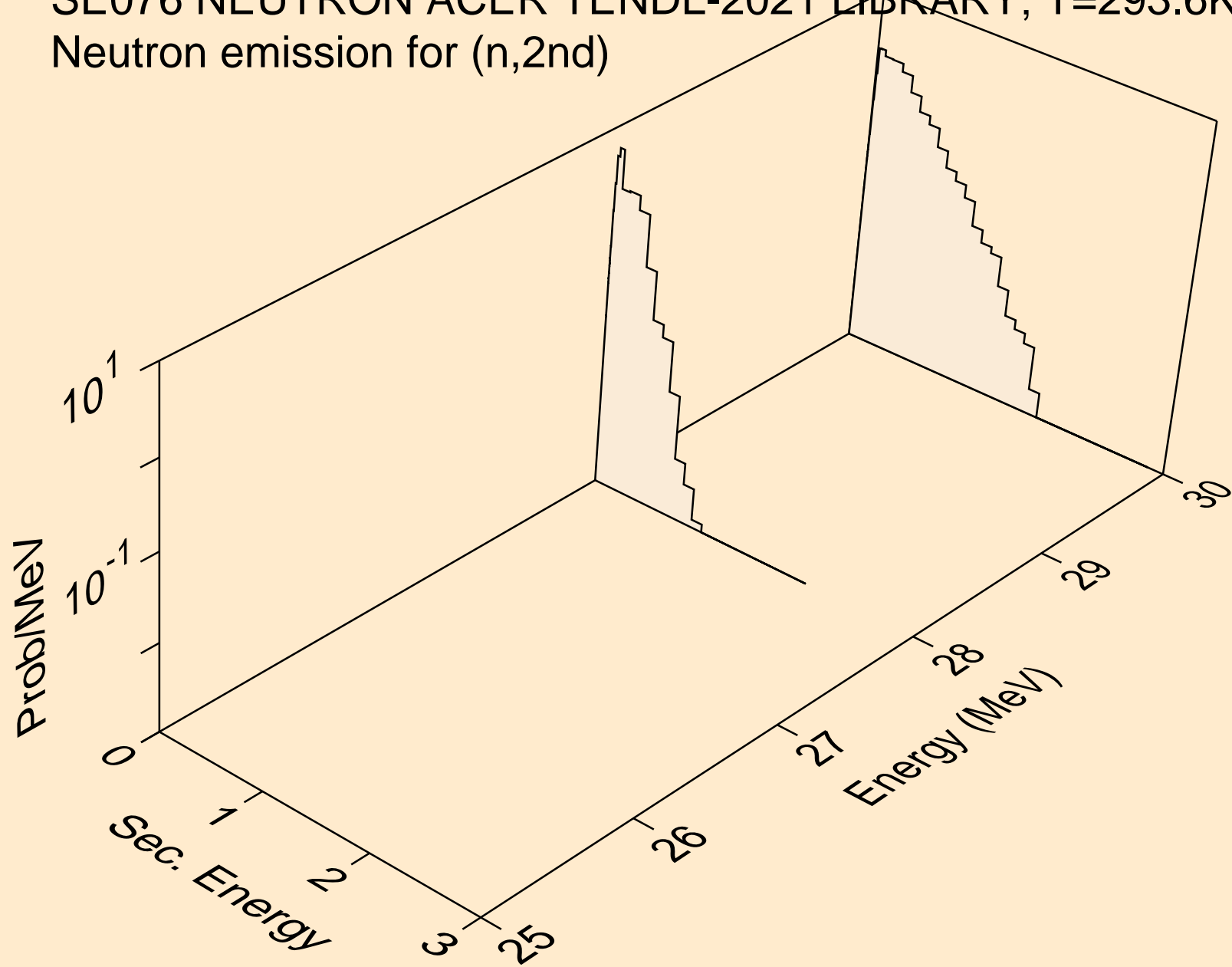
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angular distribution for (n,n\*30)



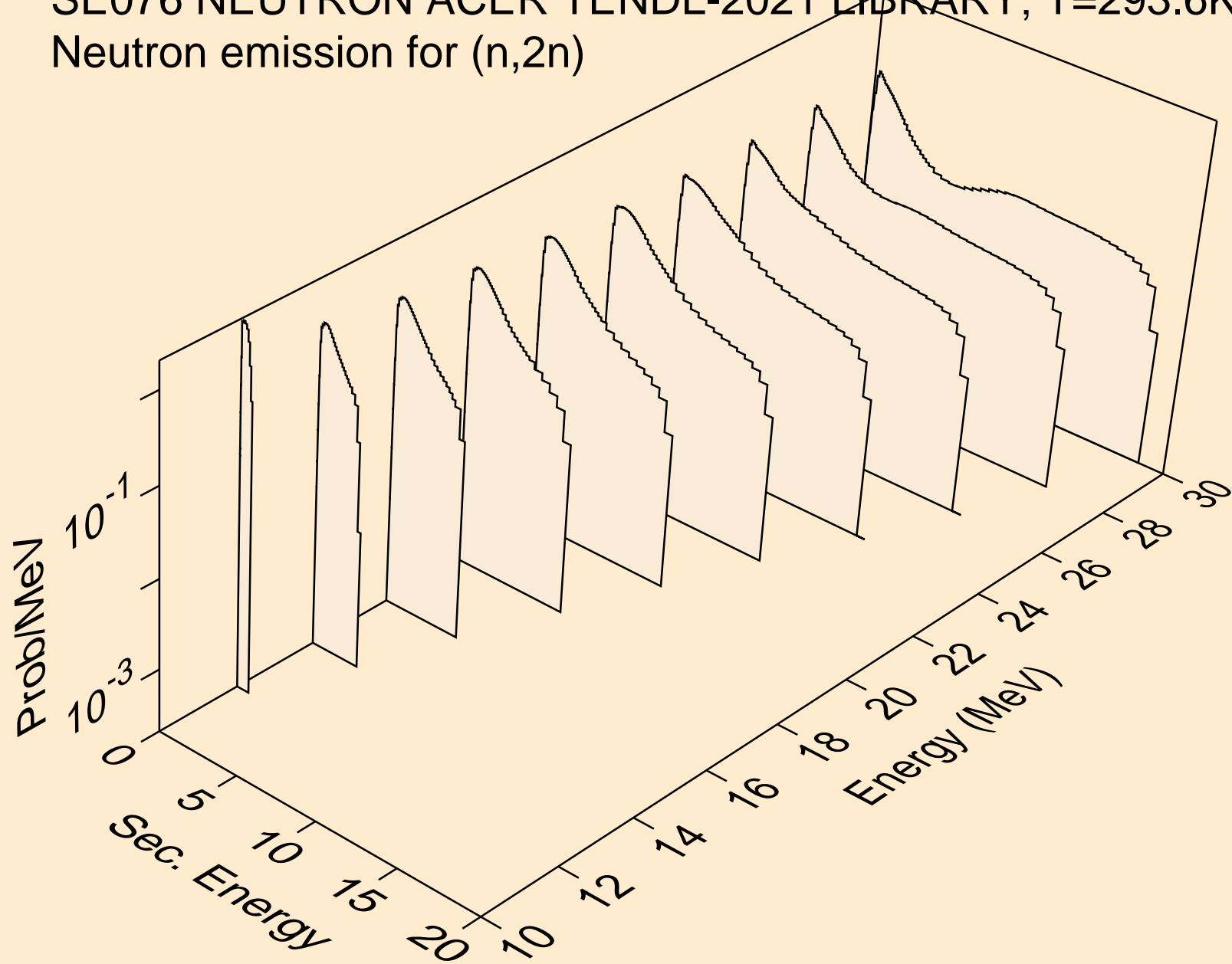
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)



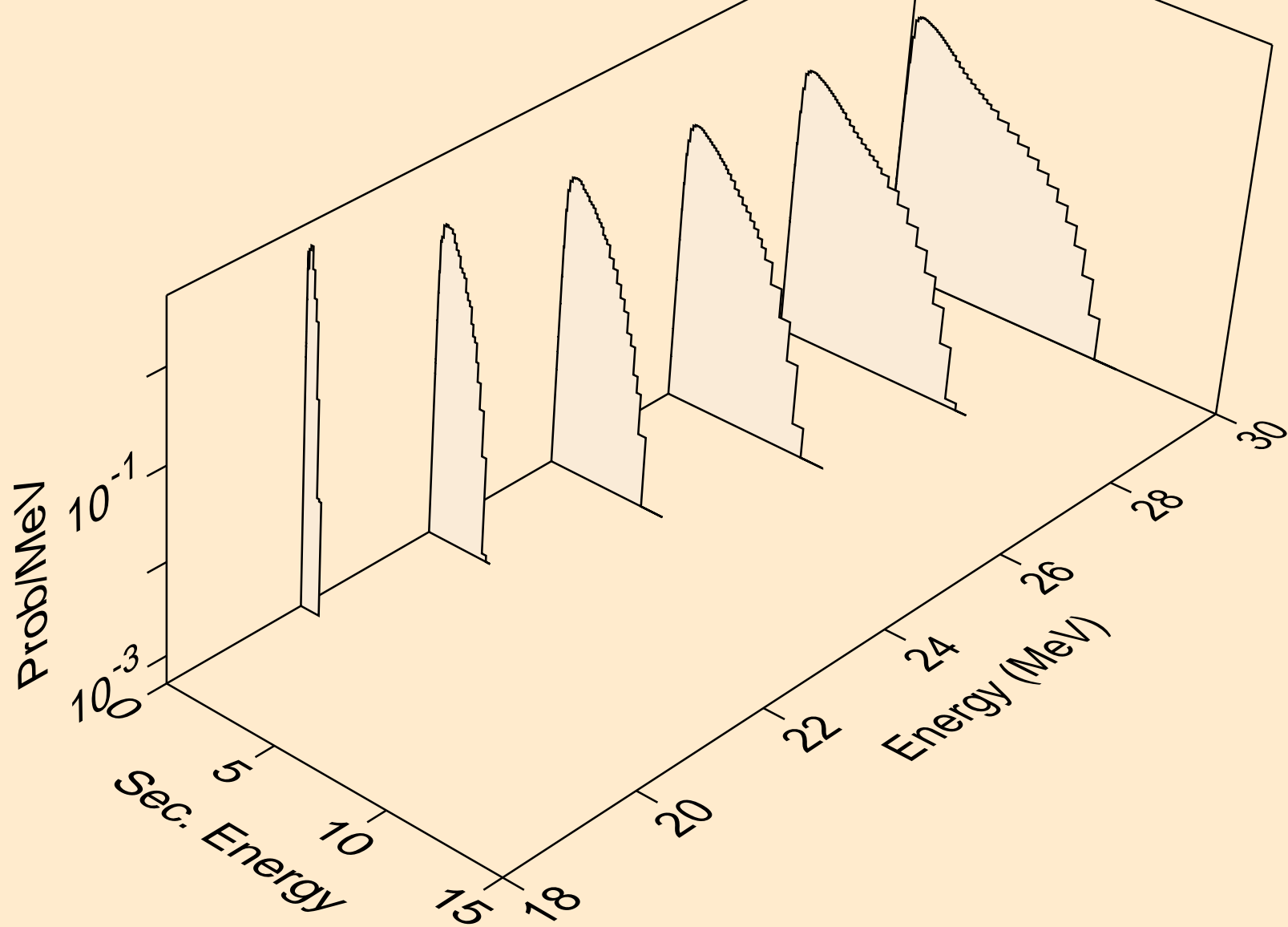
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



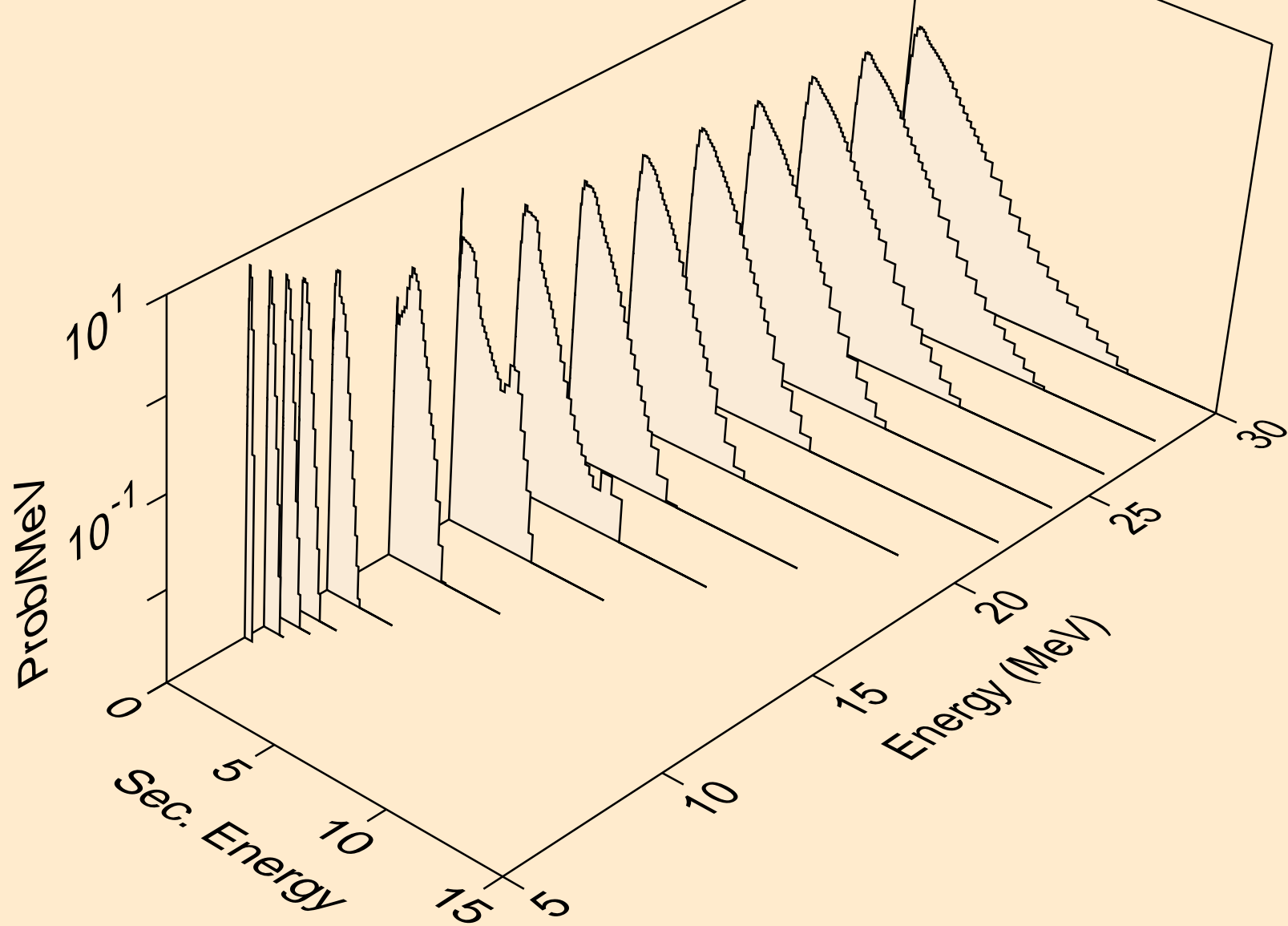
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)

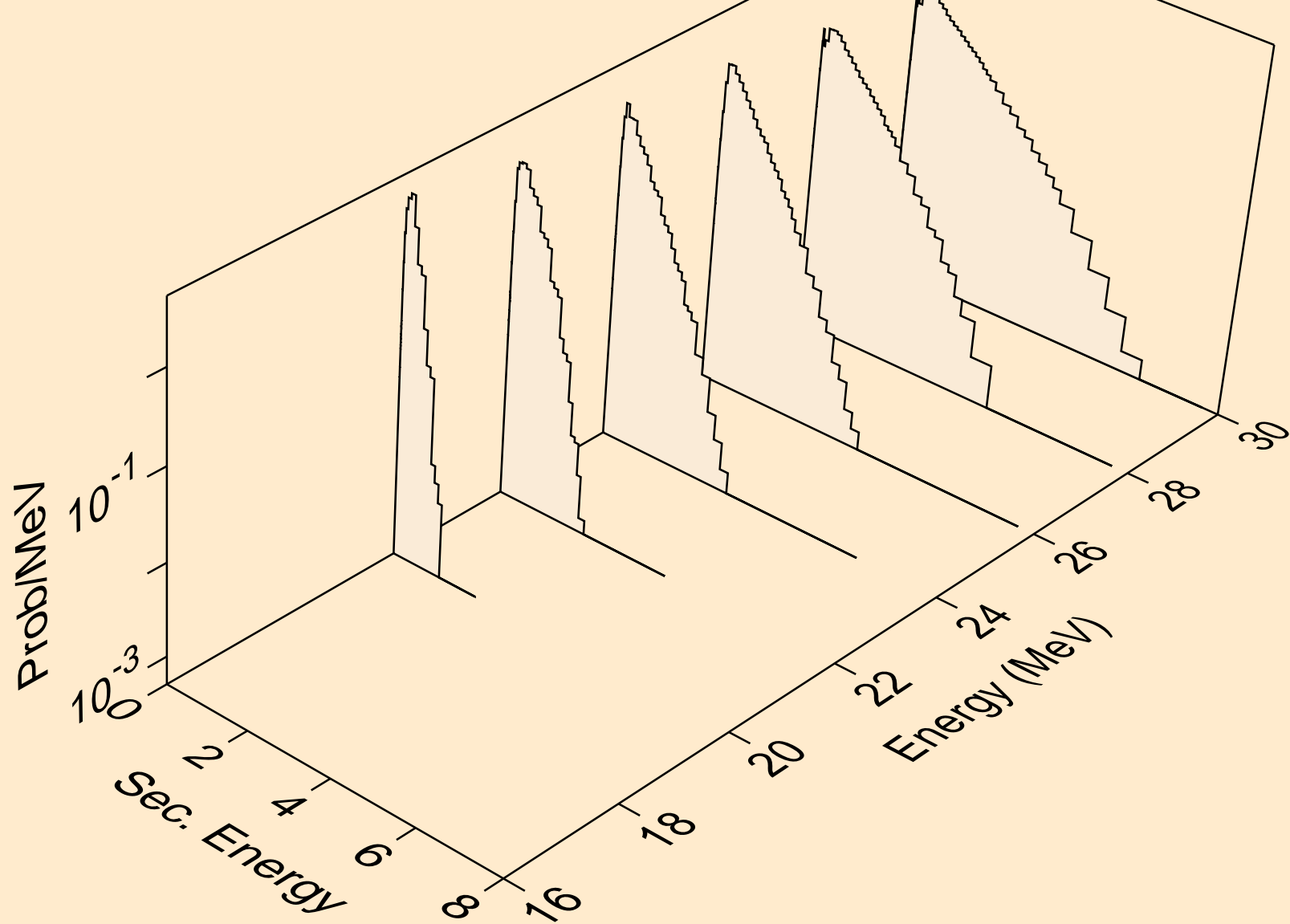


SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a

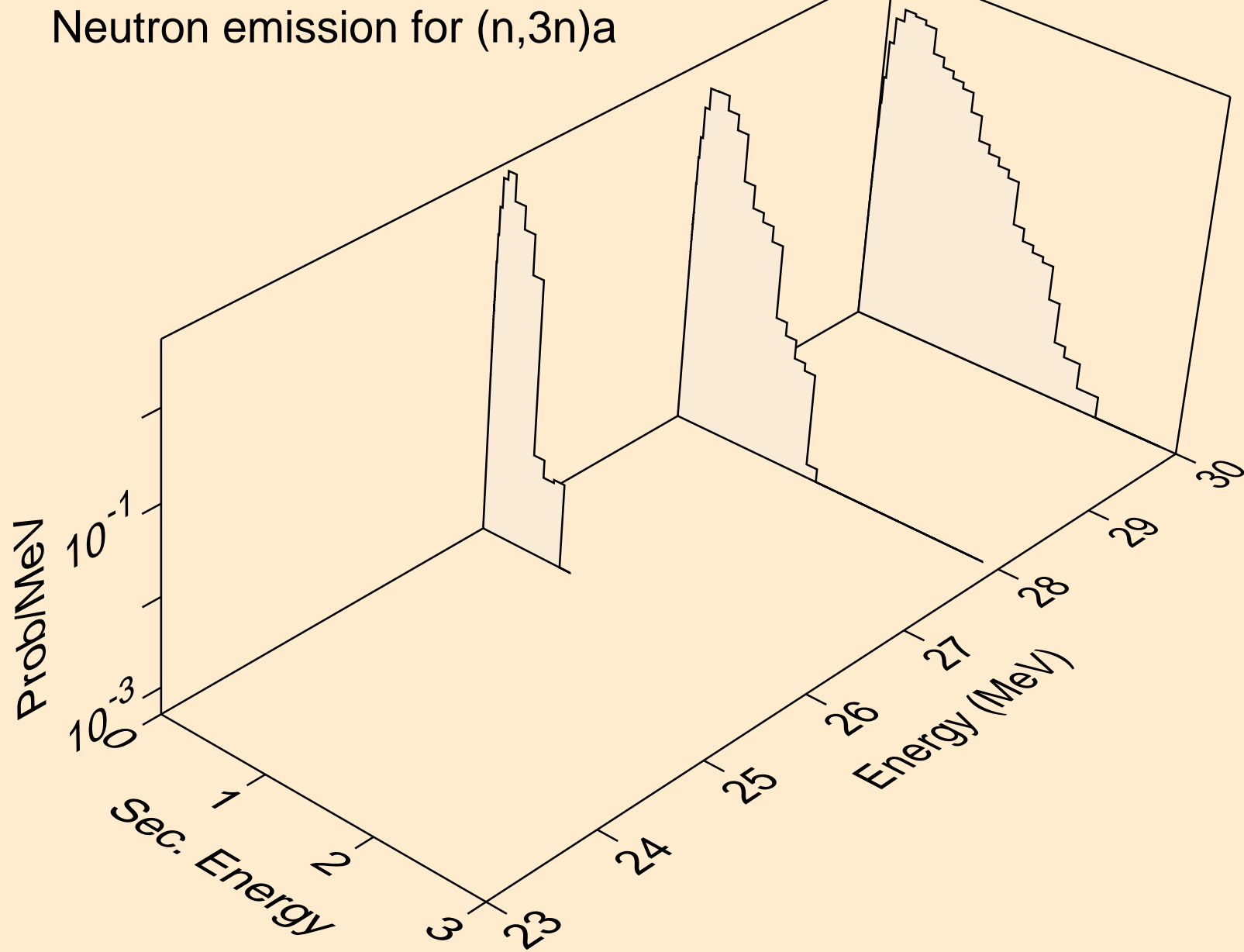




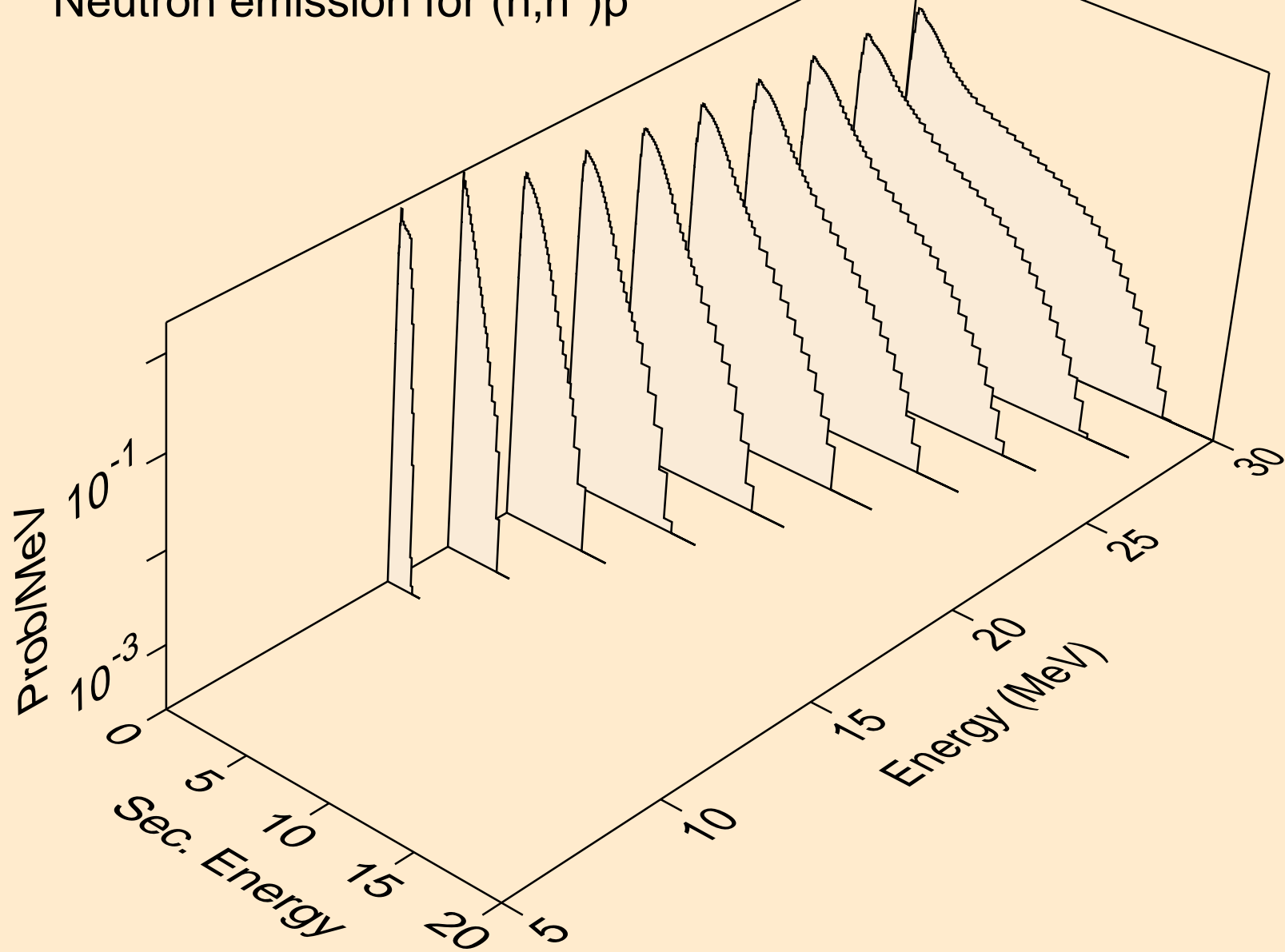
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)a



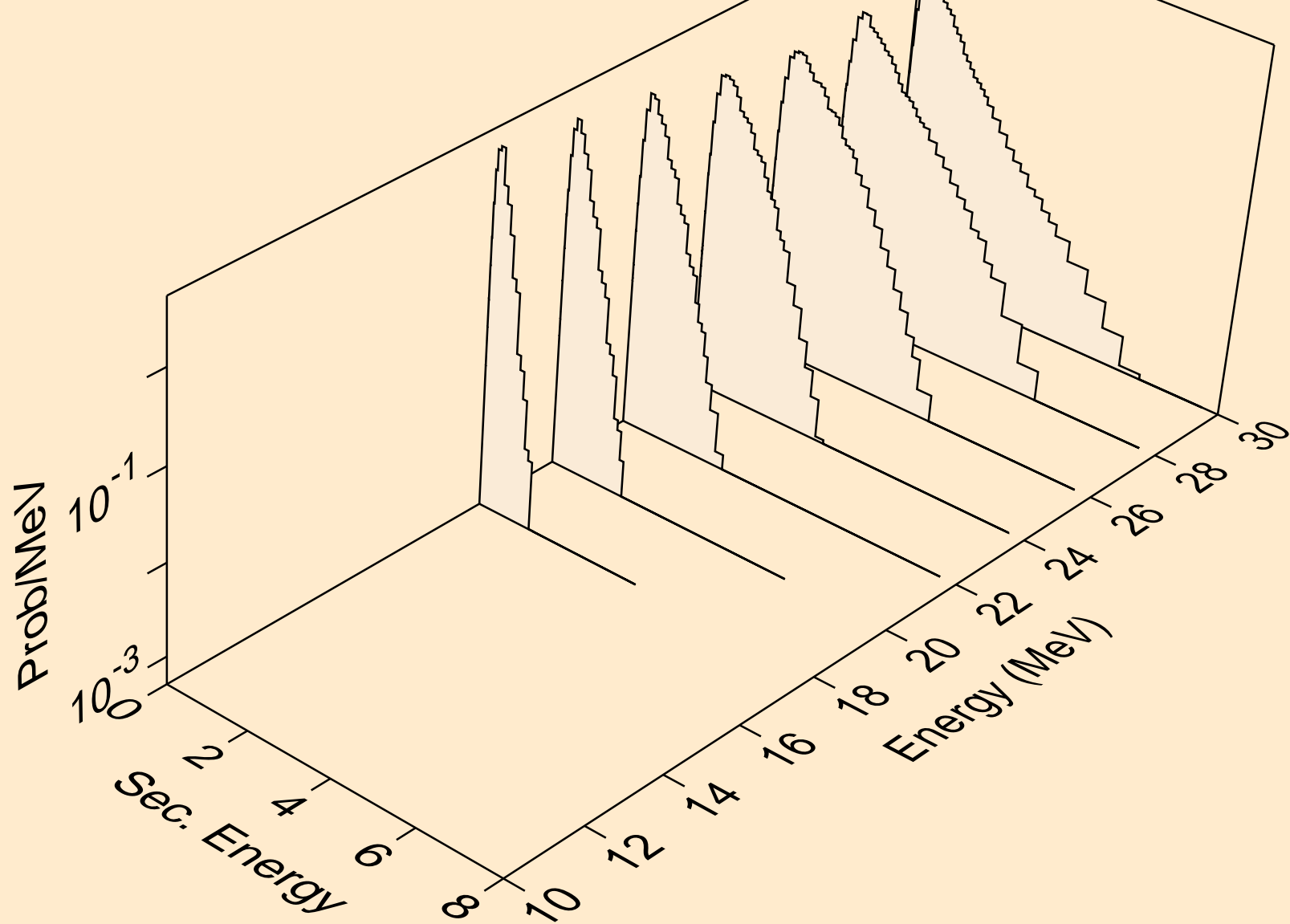
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a



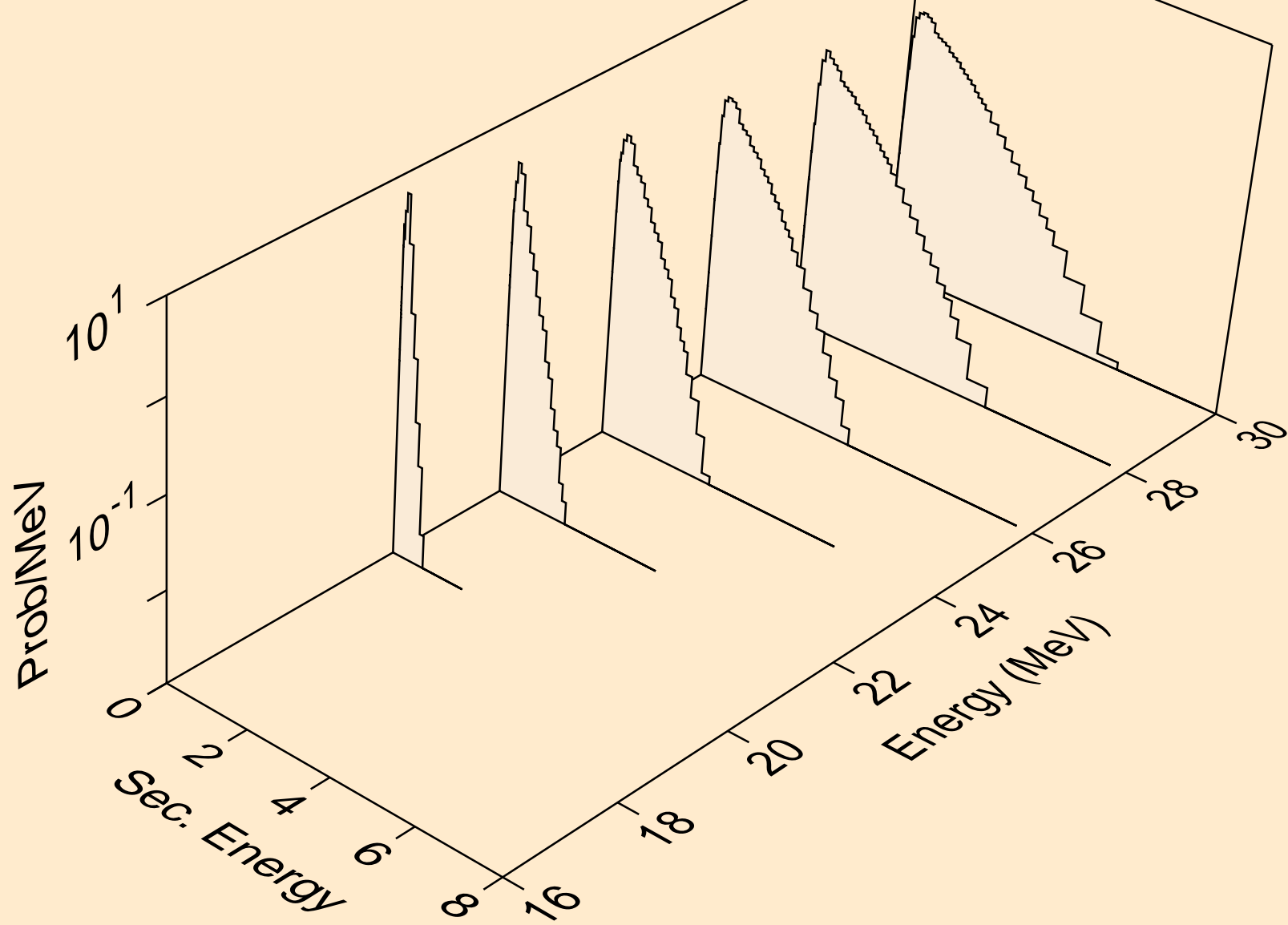
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



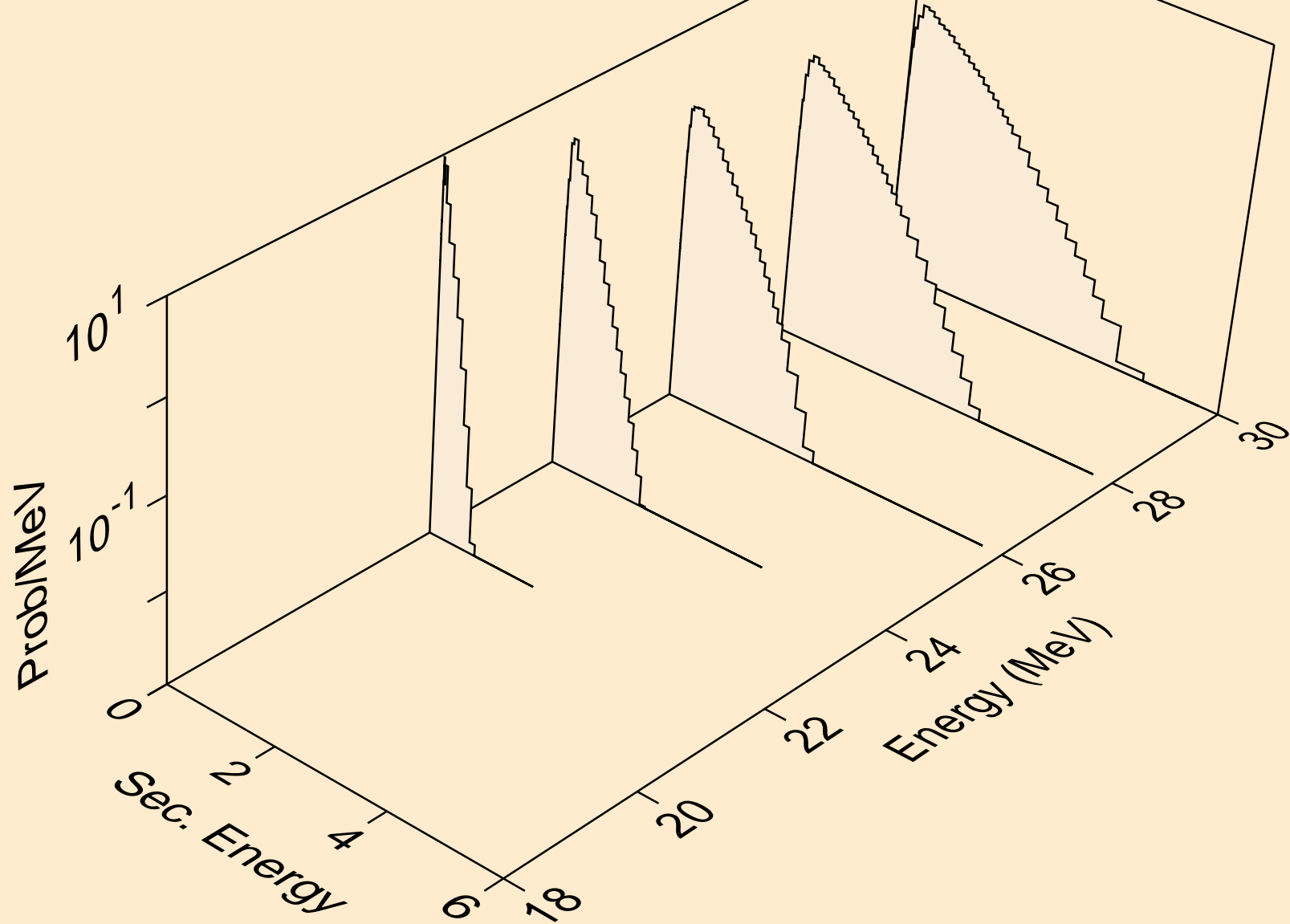
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a



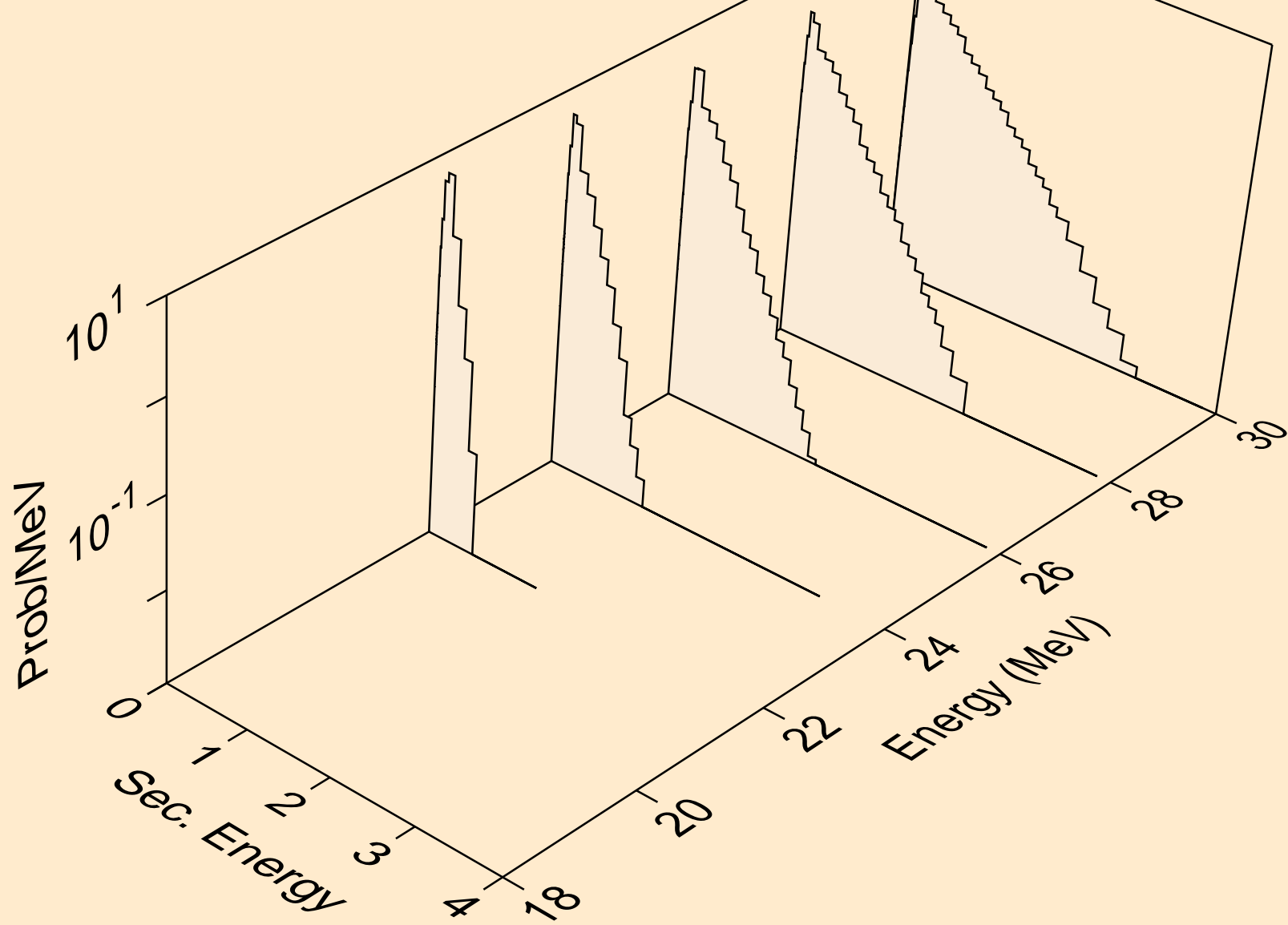
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



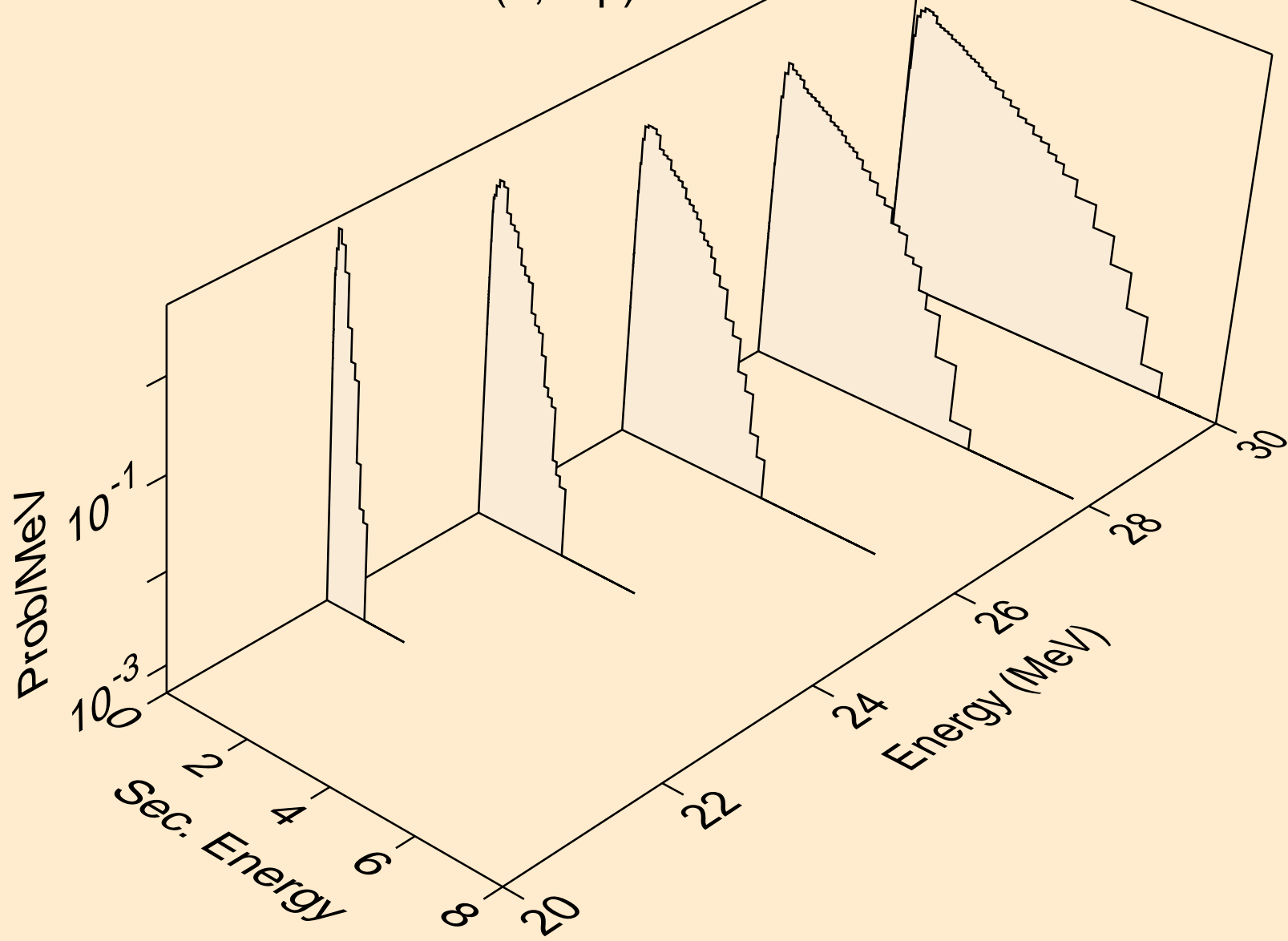
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3

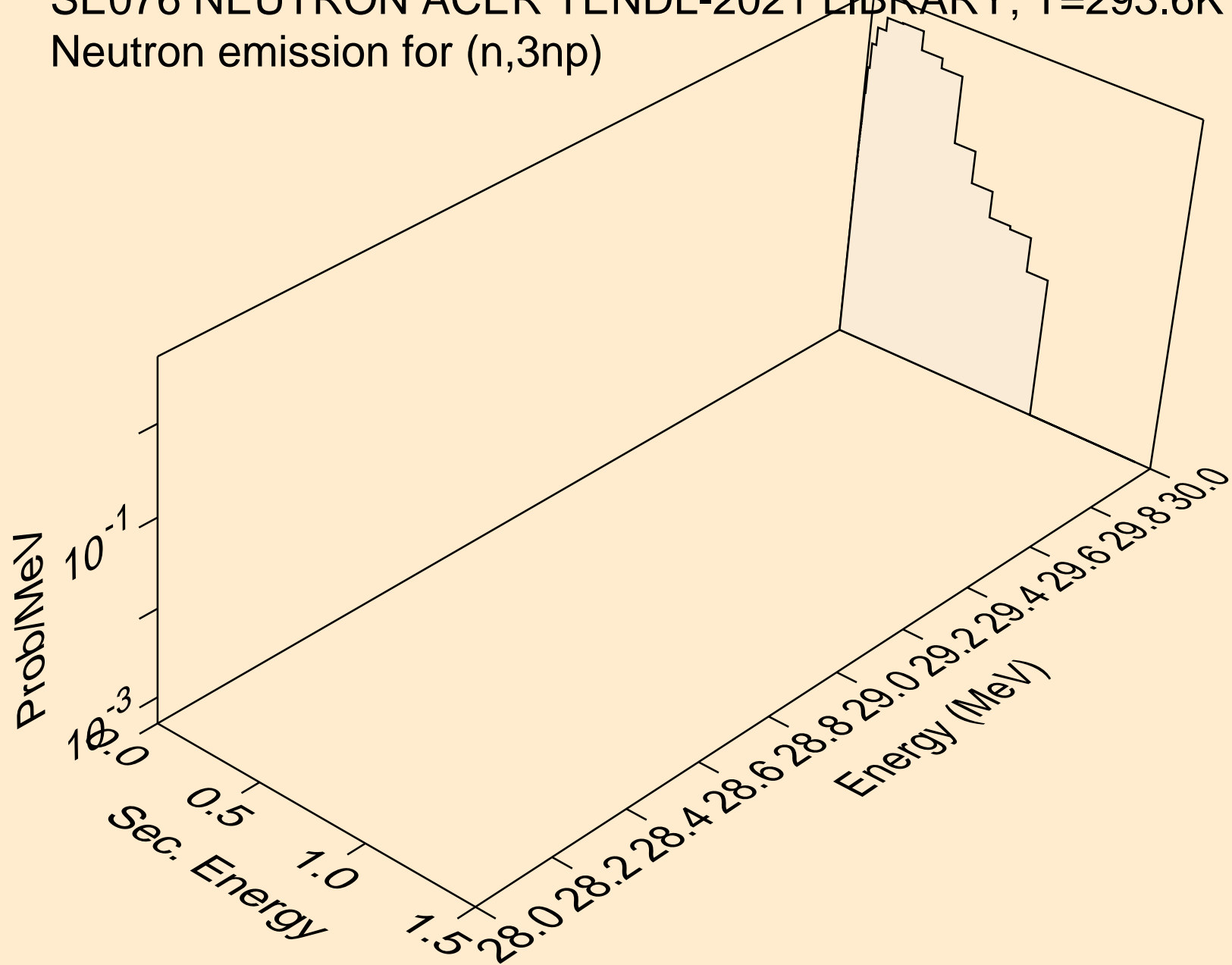


SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)

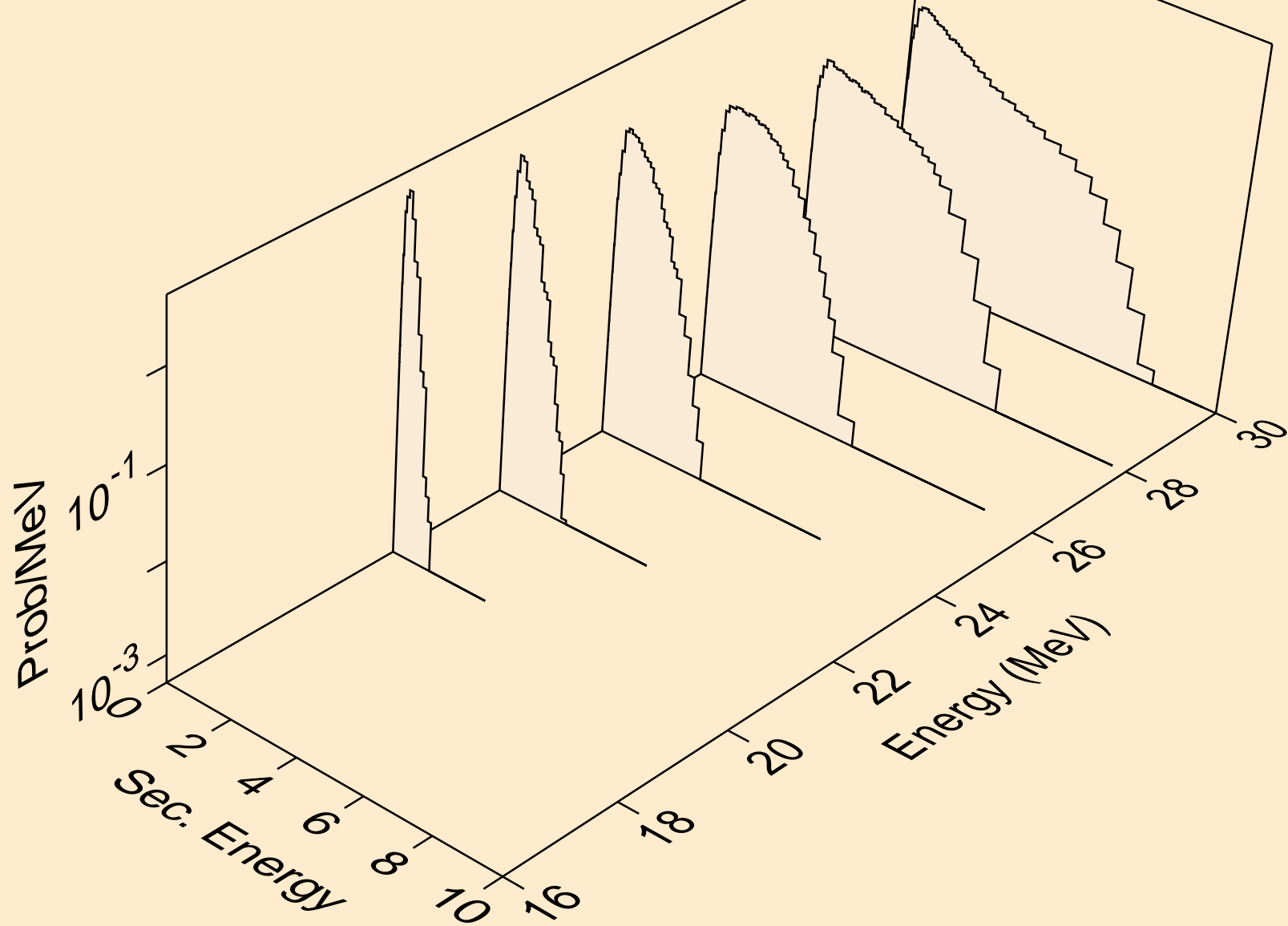




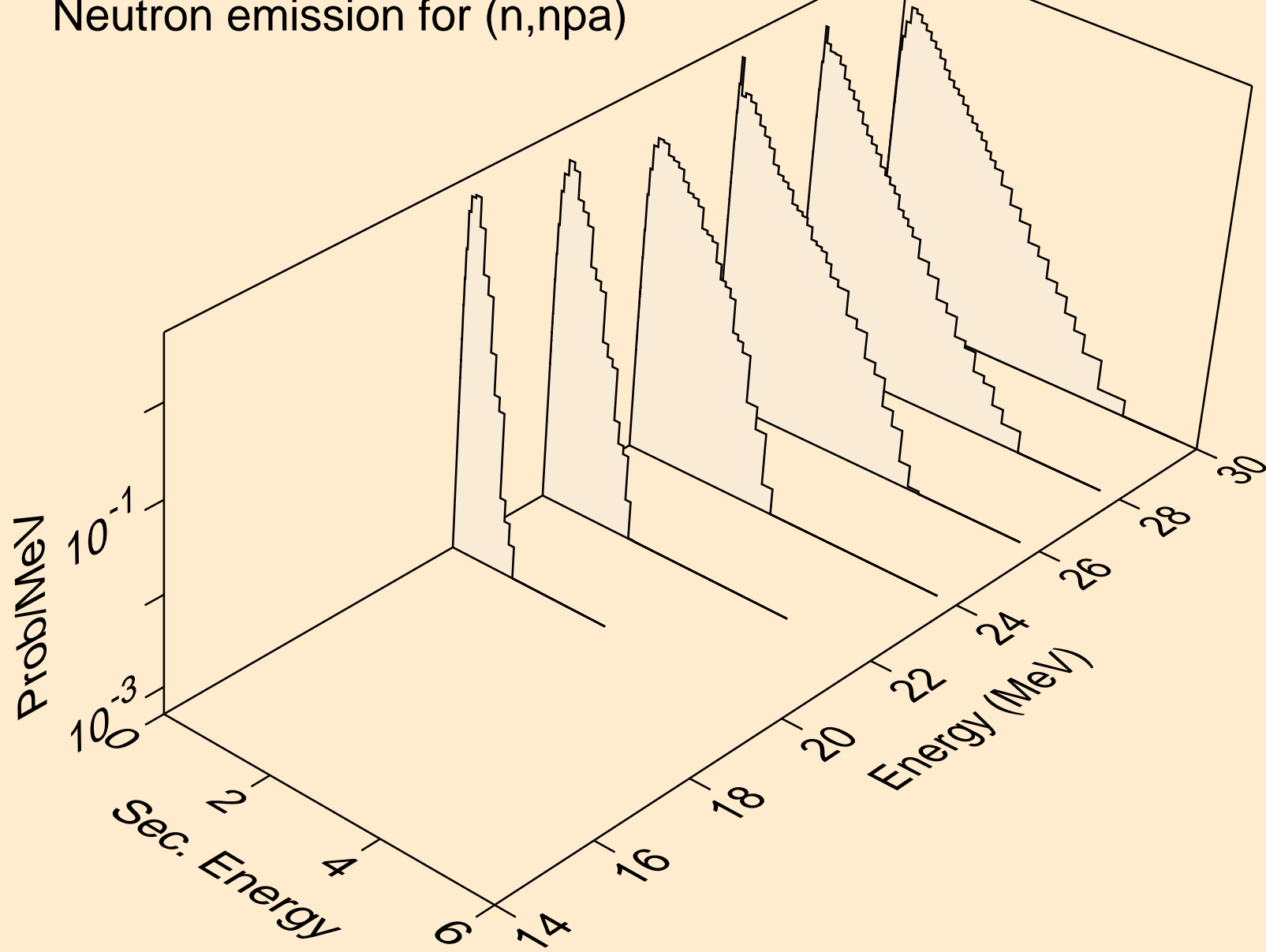
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)



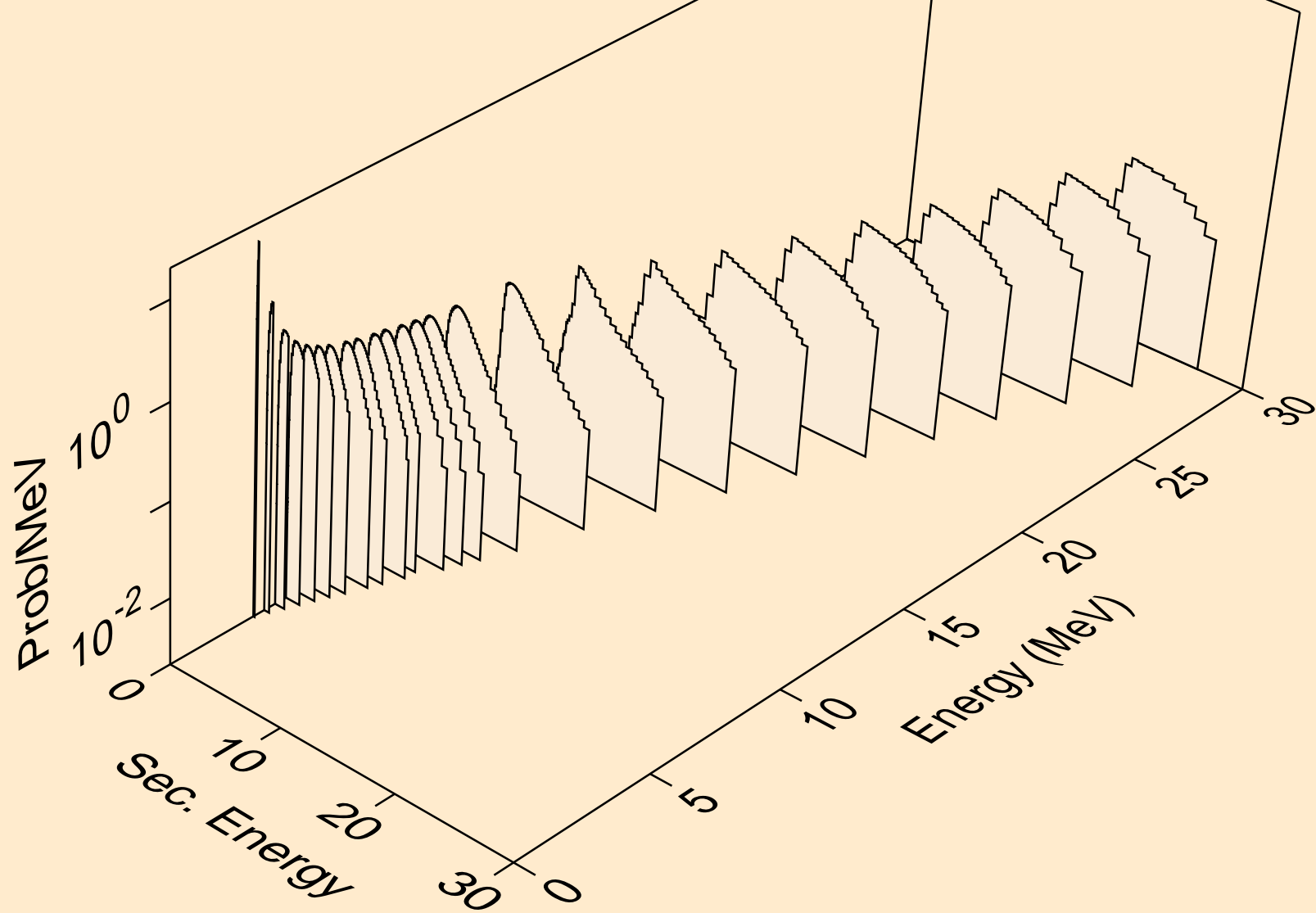
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



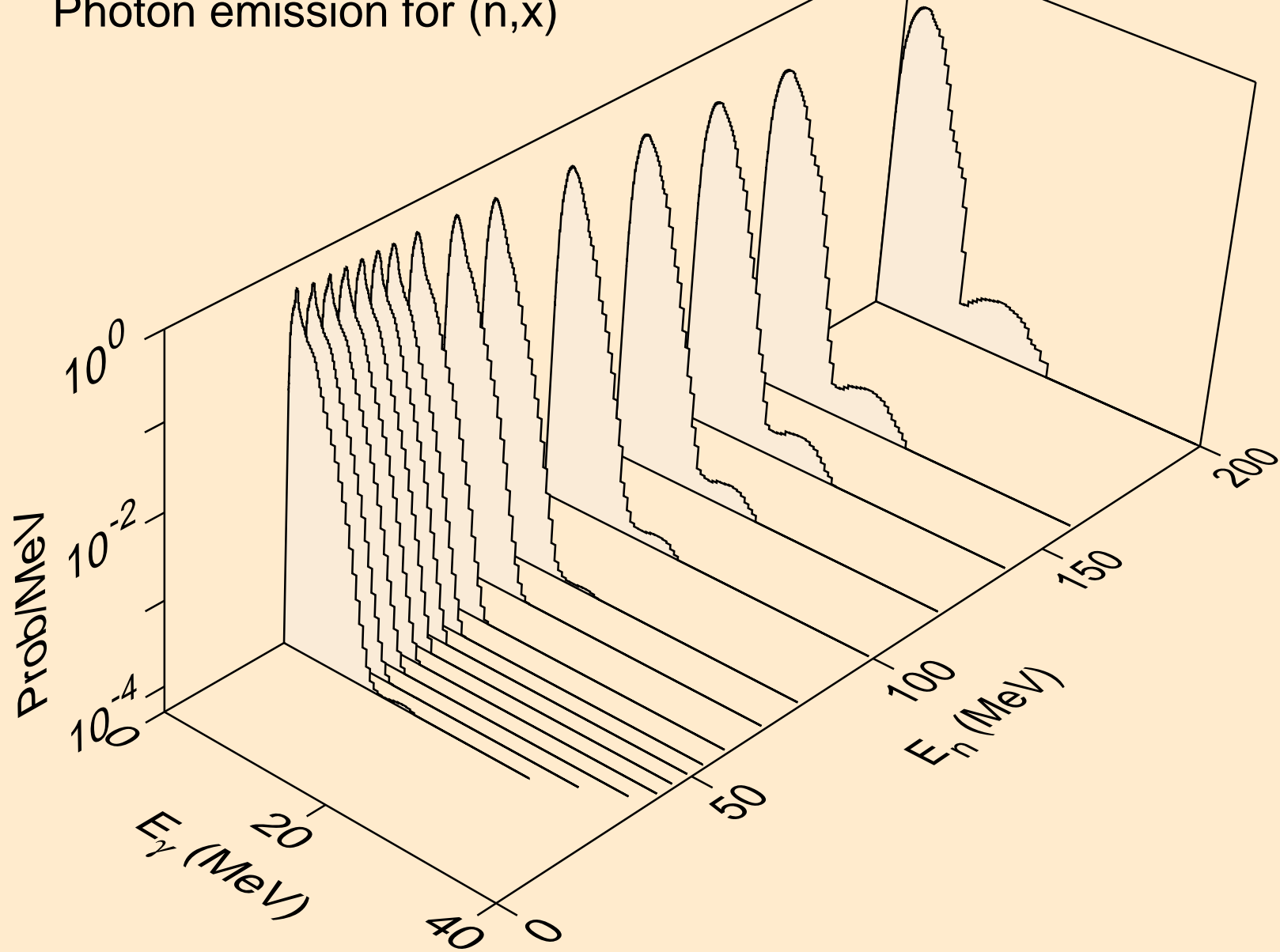
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)



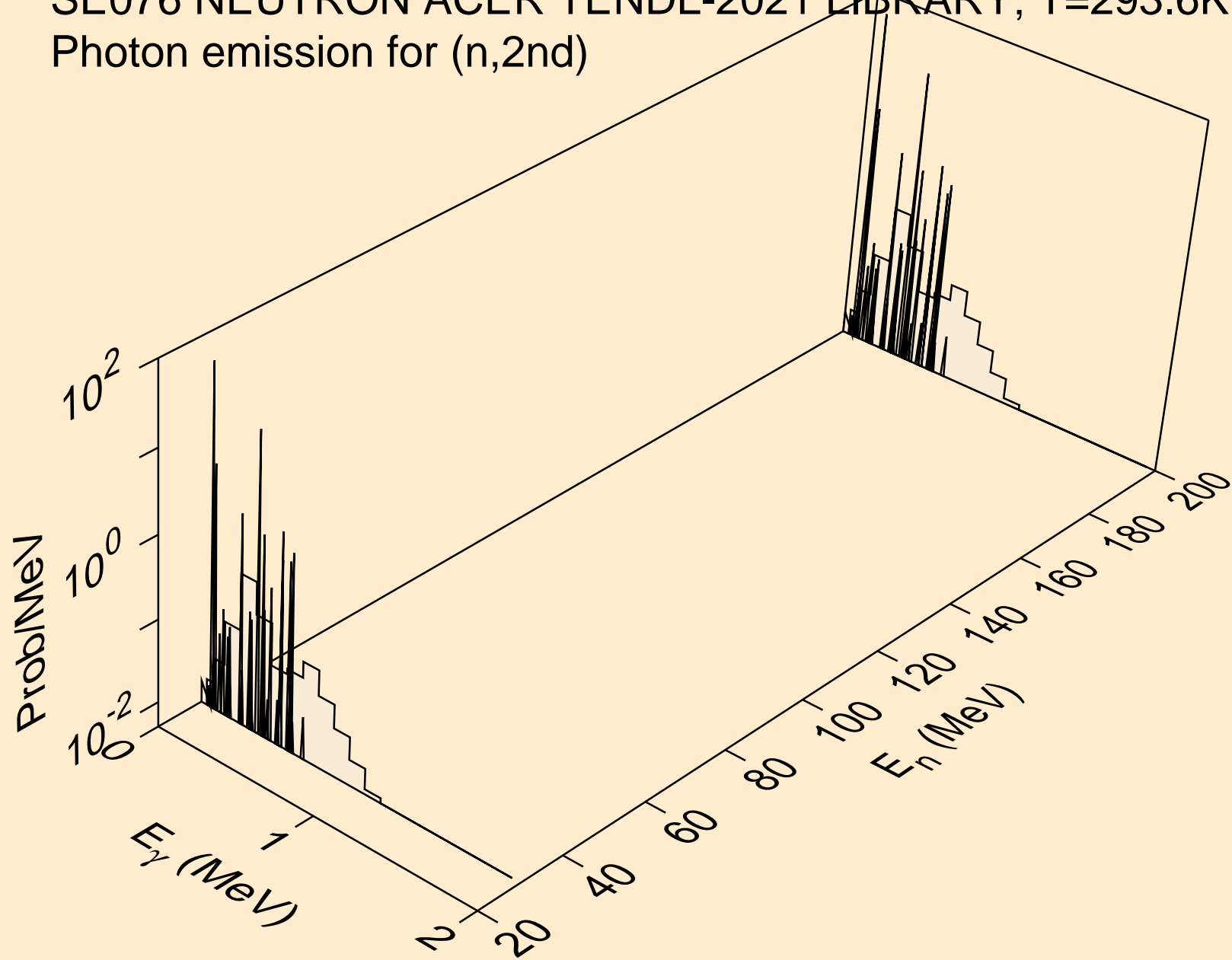
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



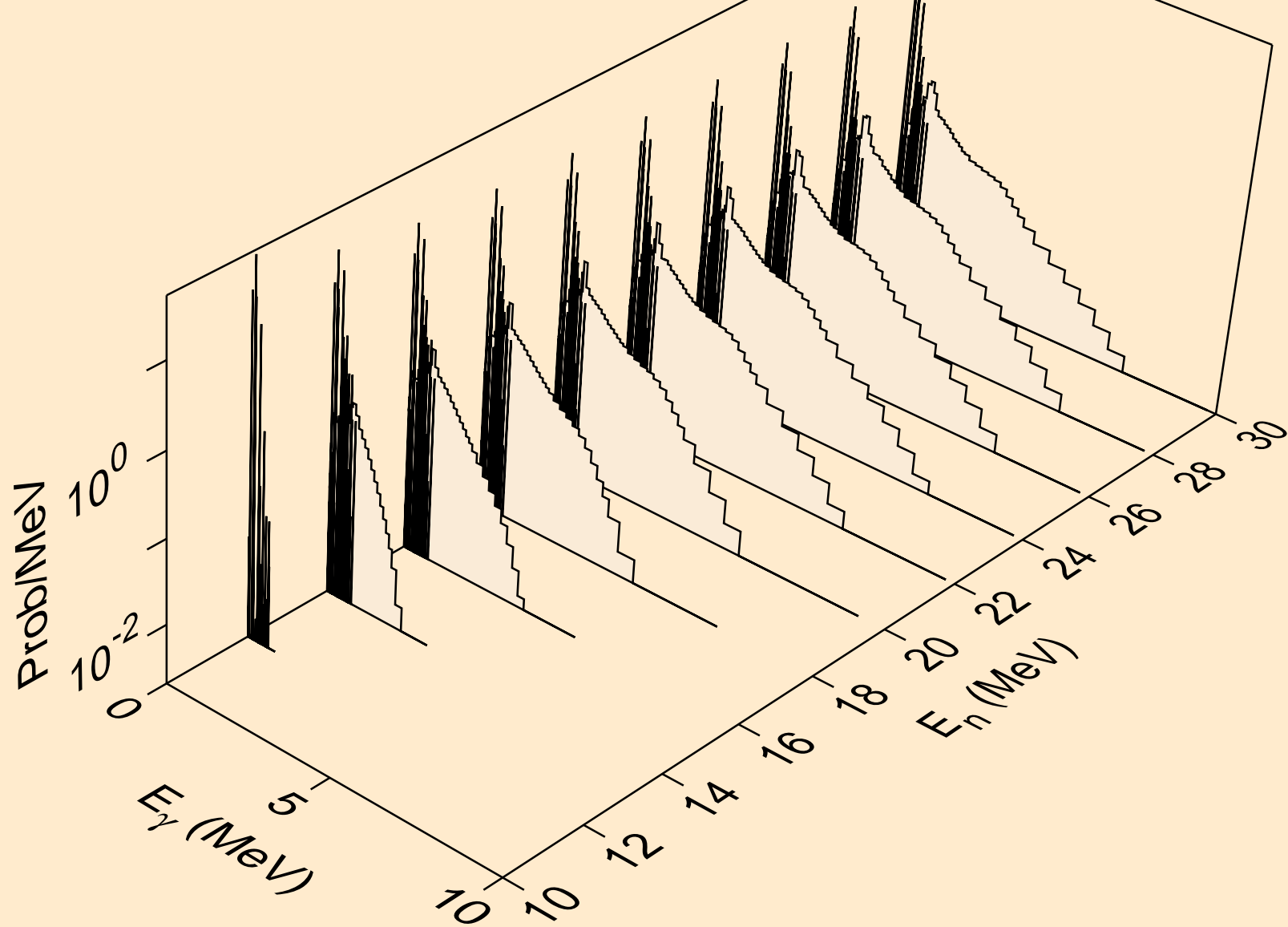
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)



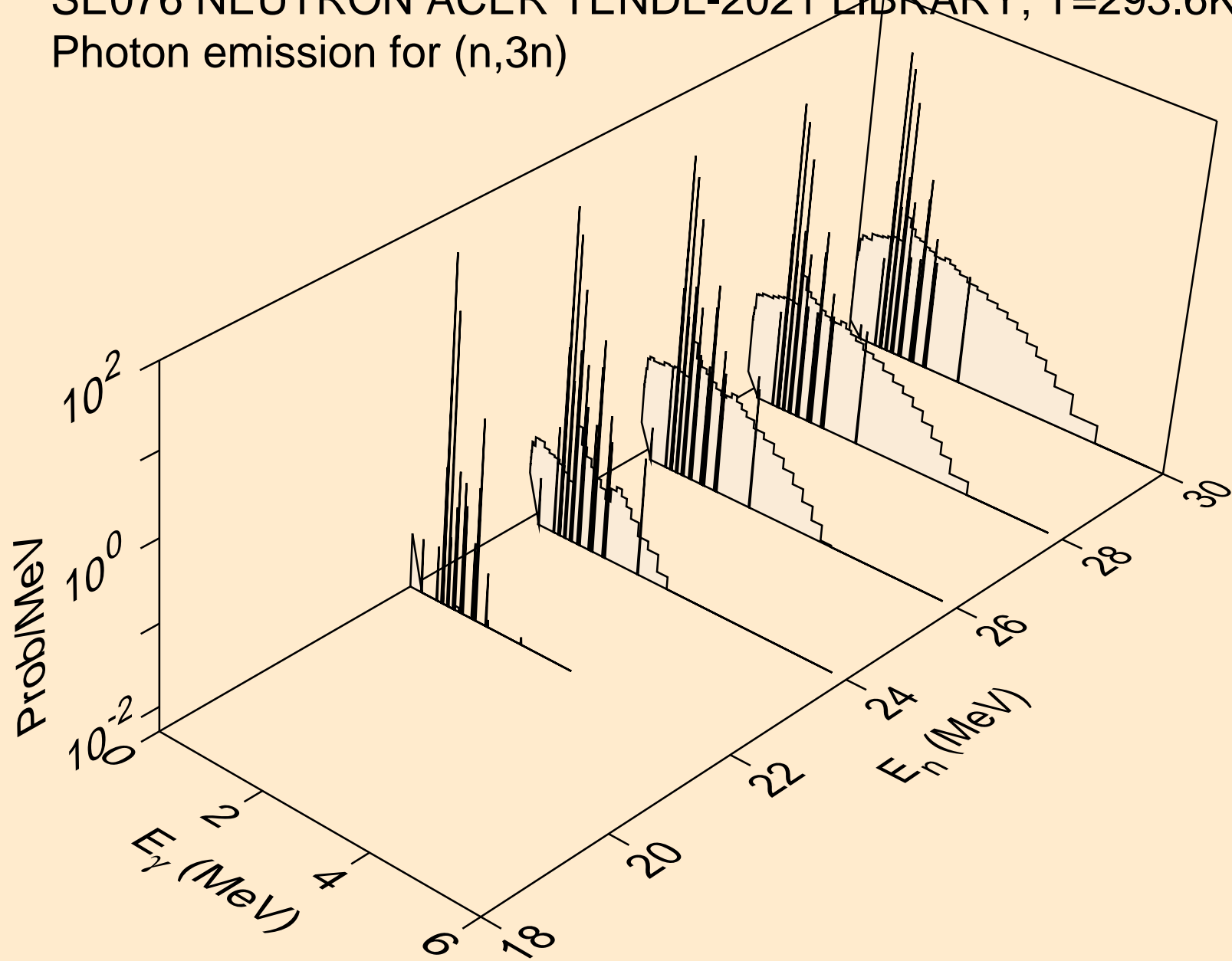
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2nd)



SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)

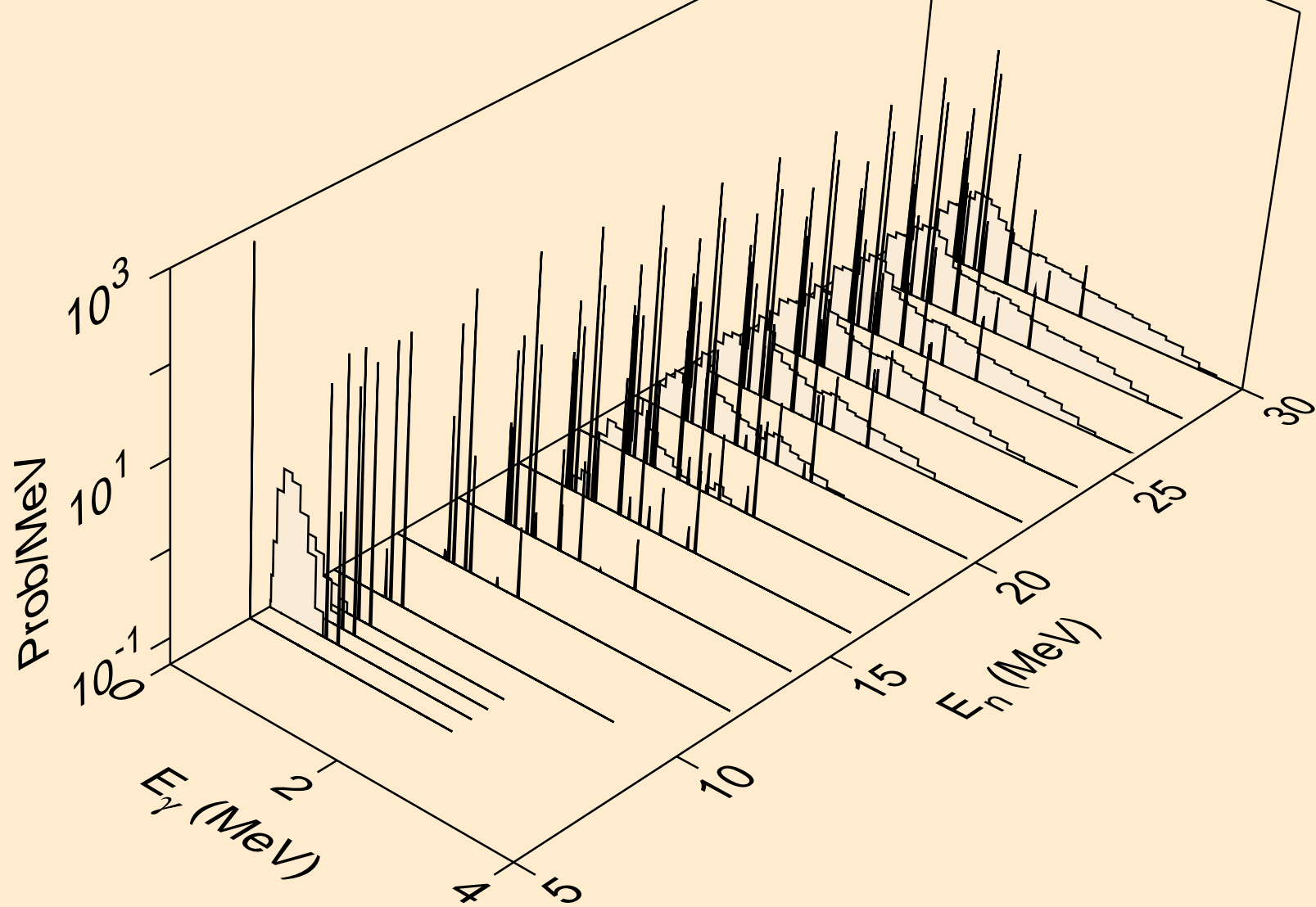


SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)

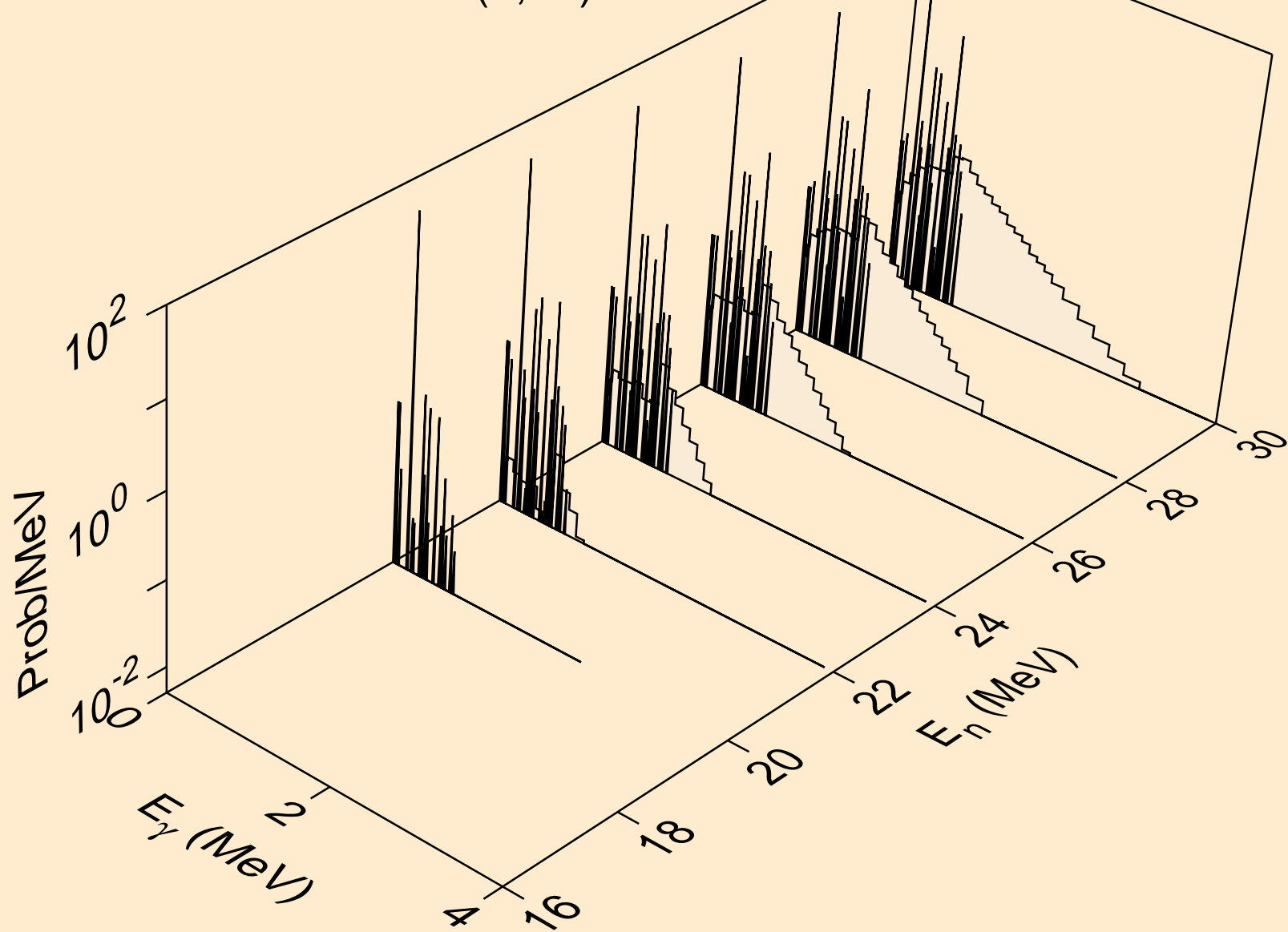




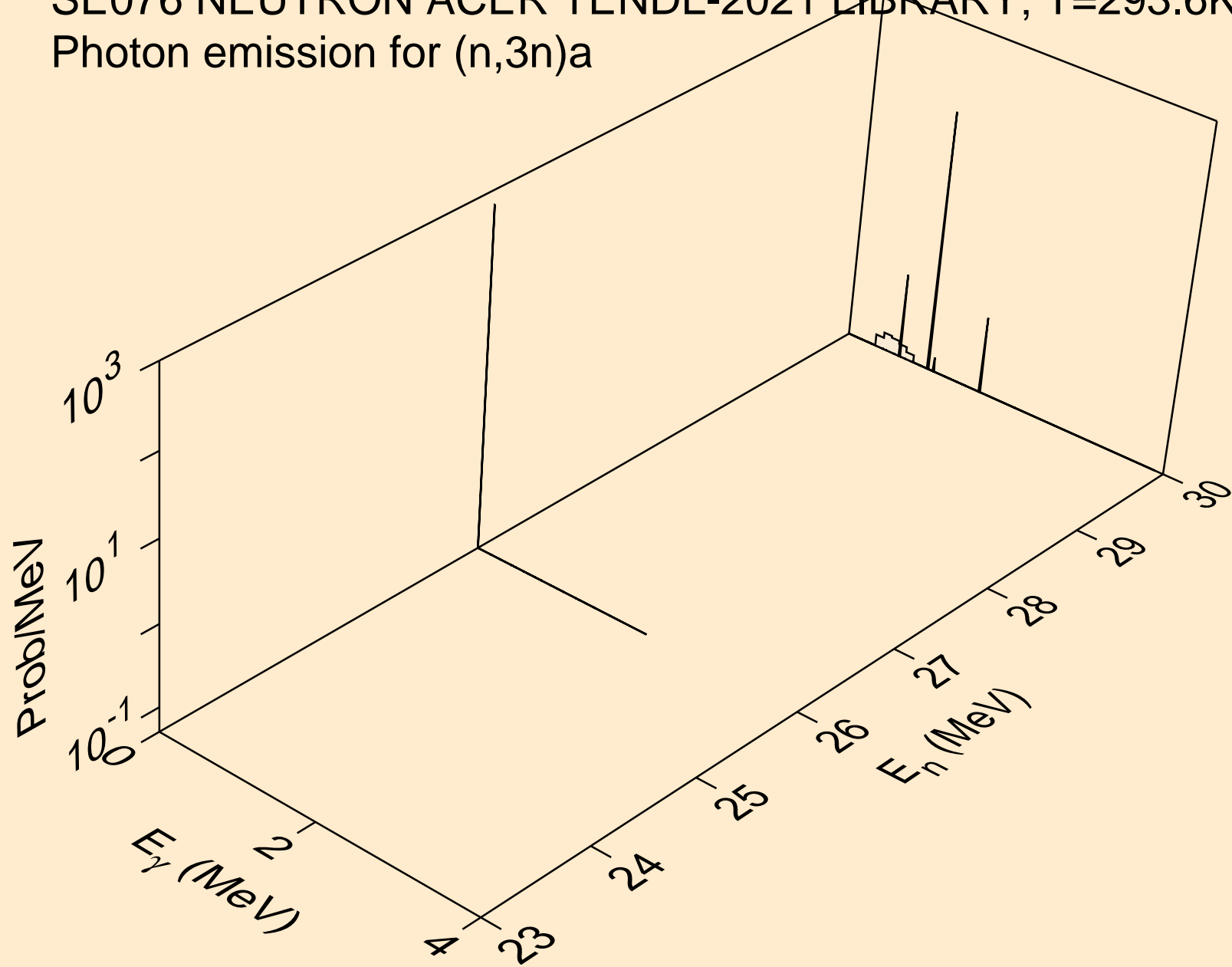
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



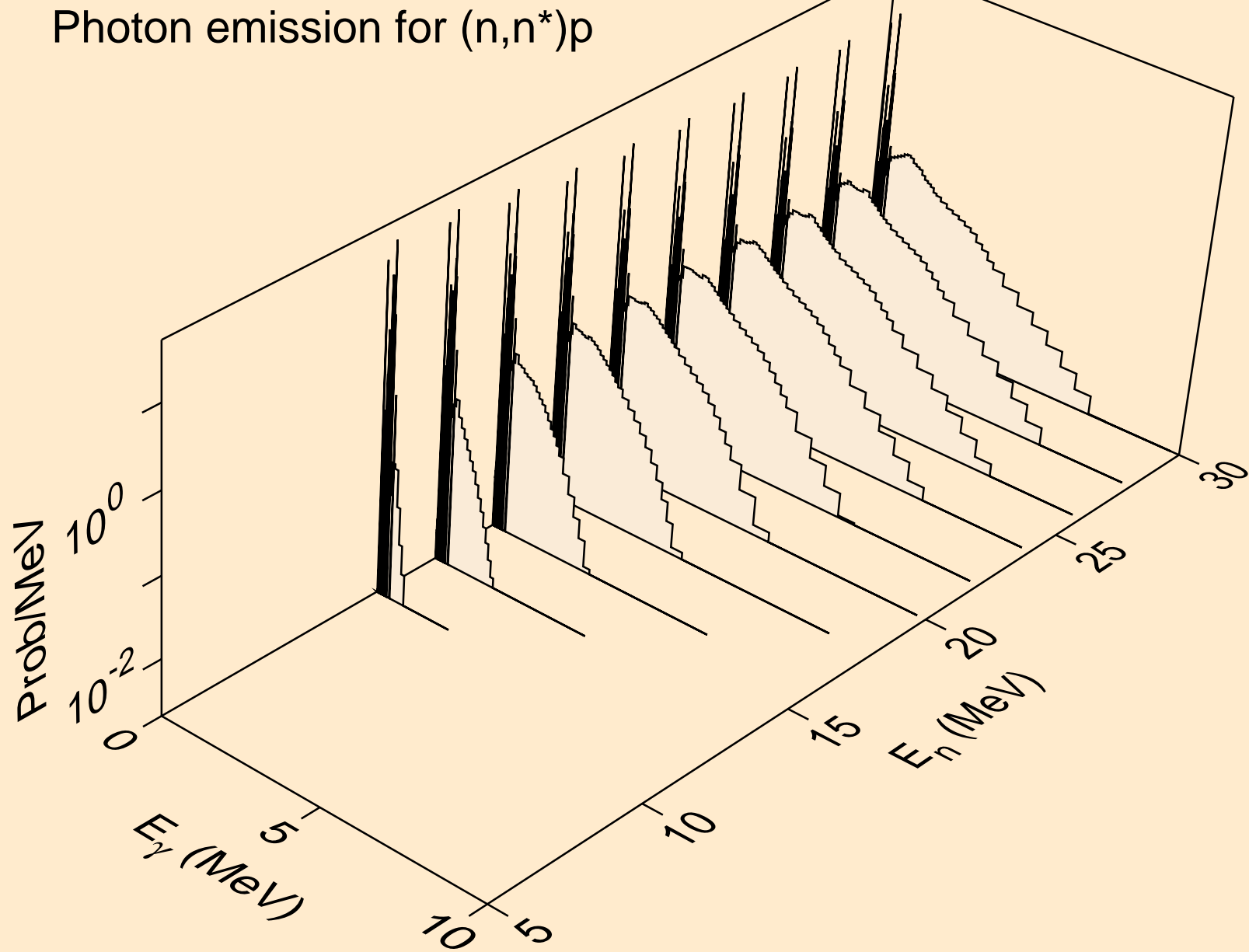
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)a



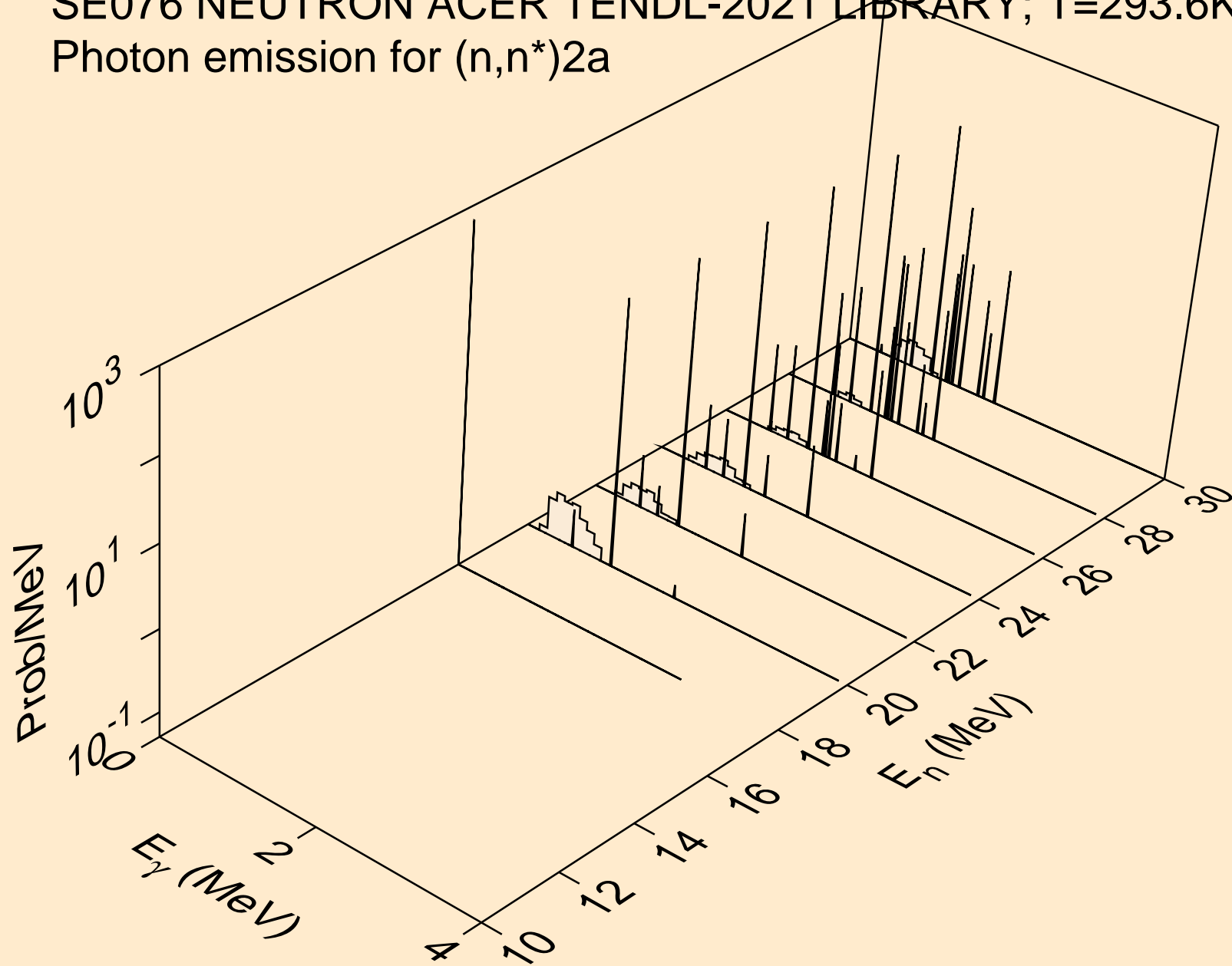
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)a



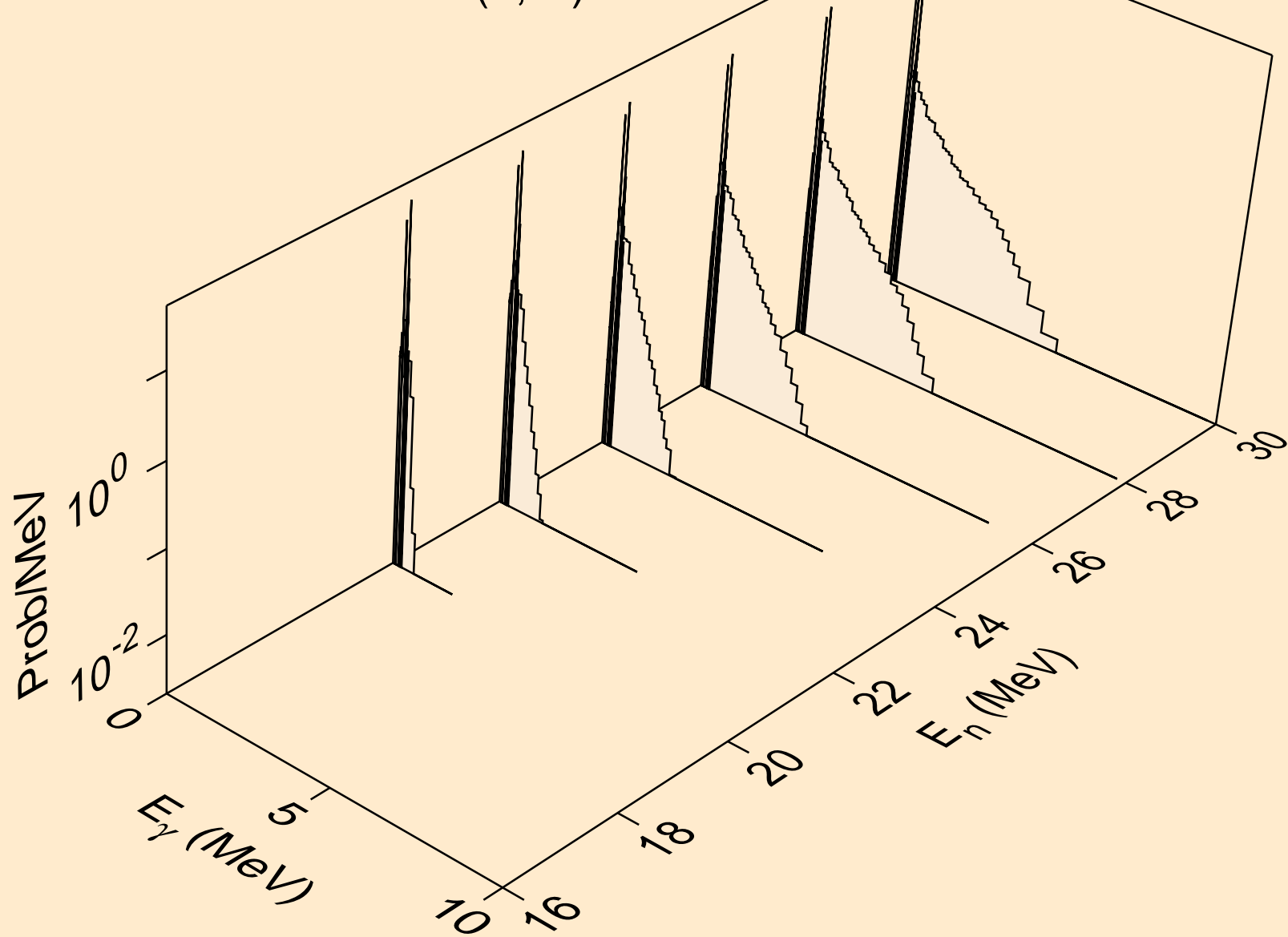
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



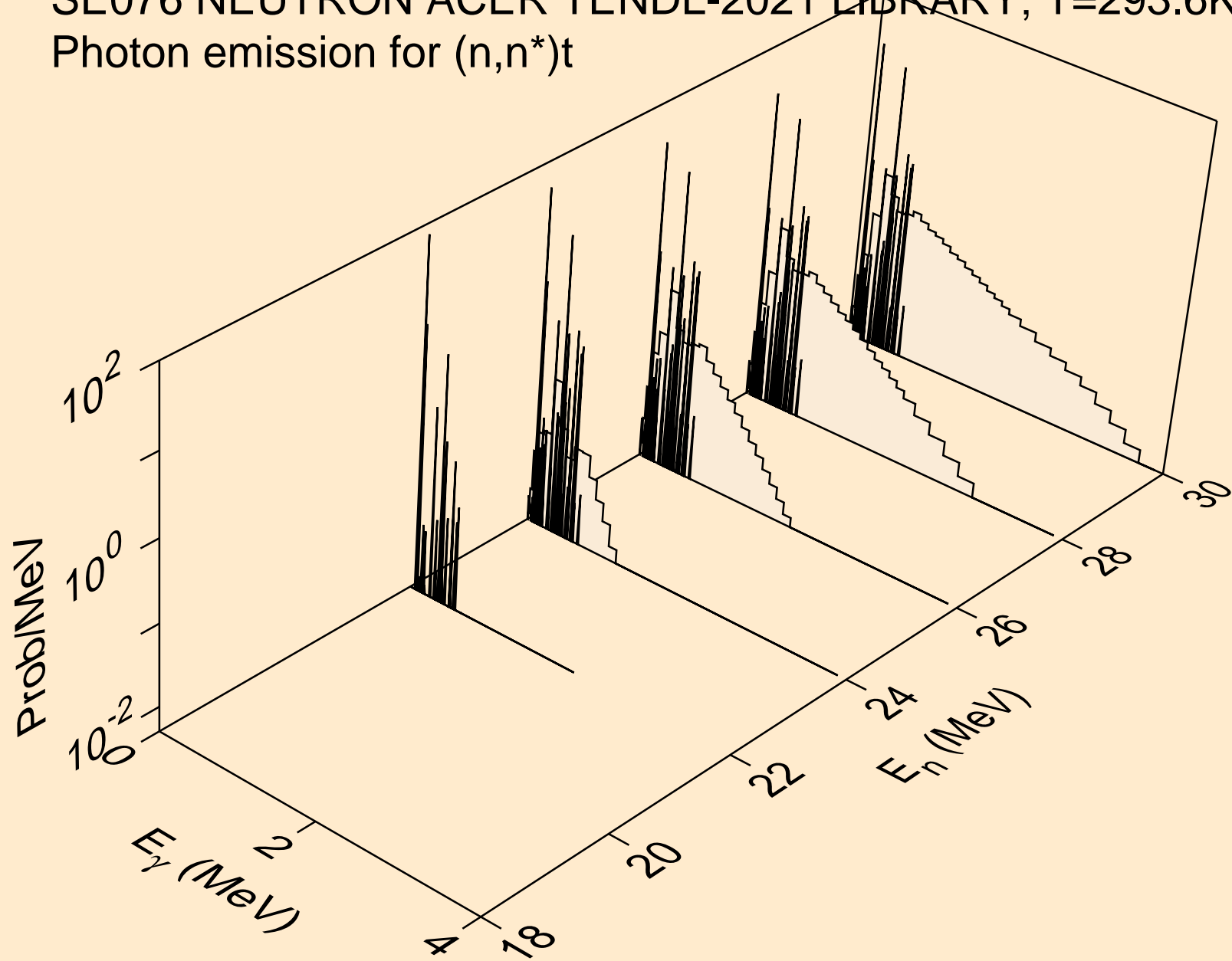
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a



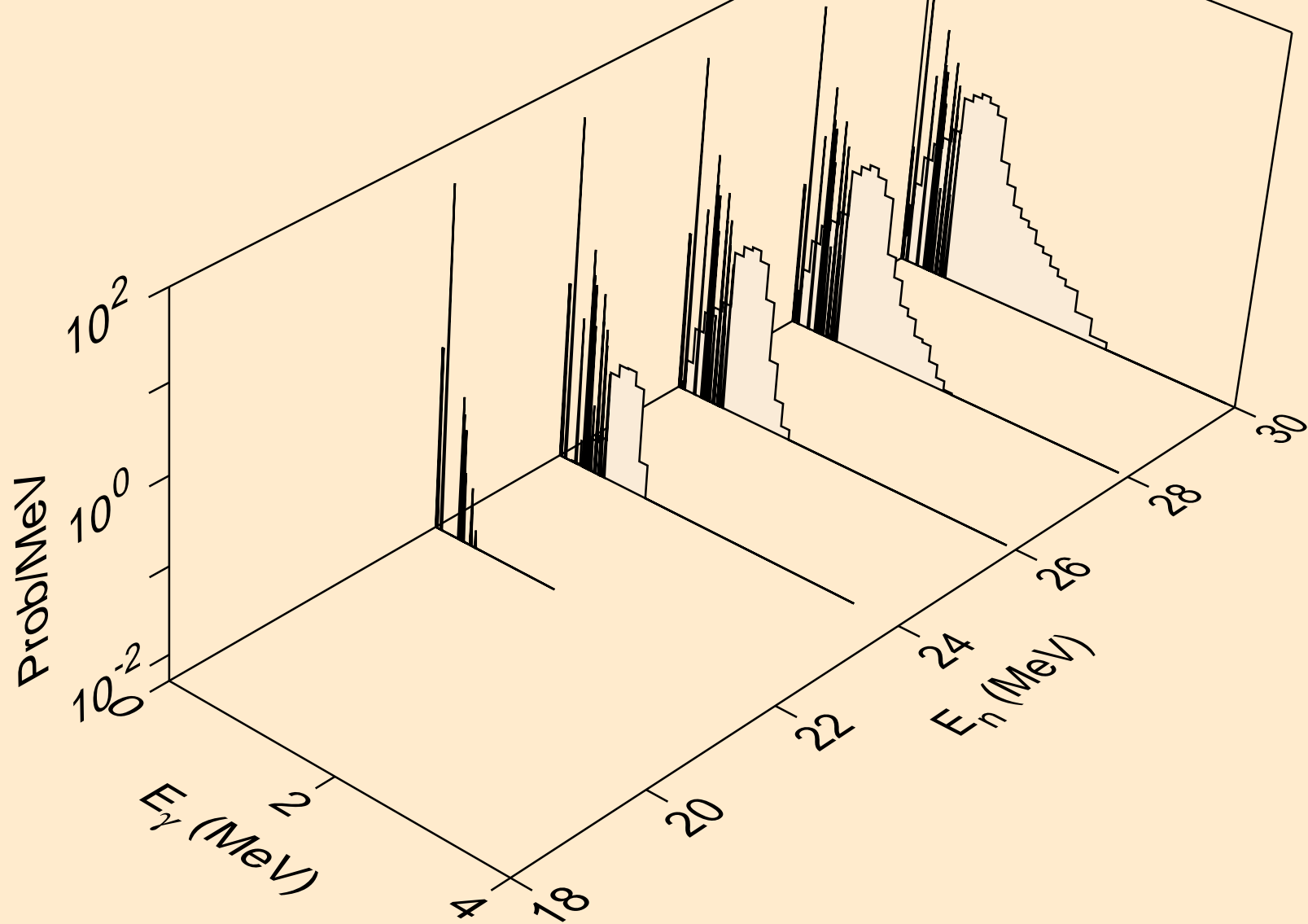
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d



SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t

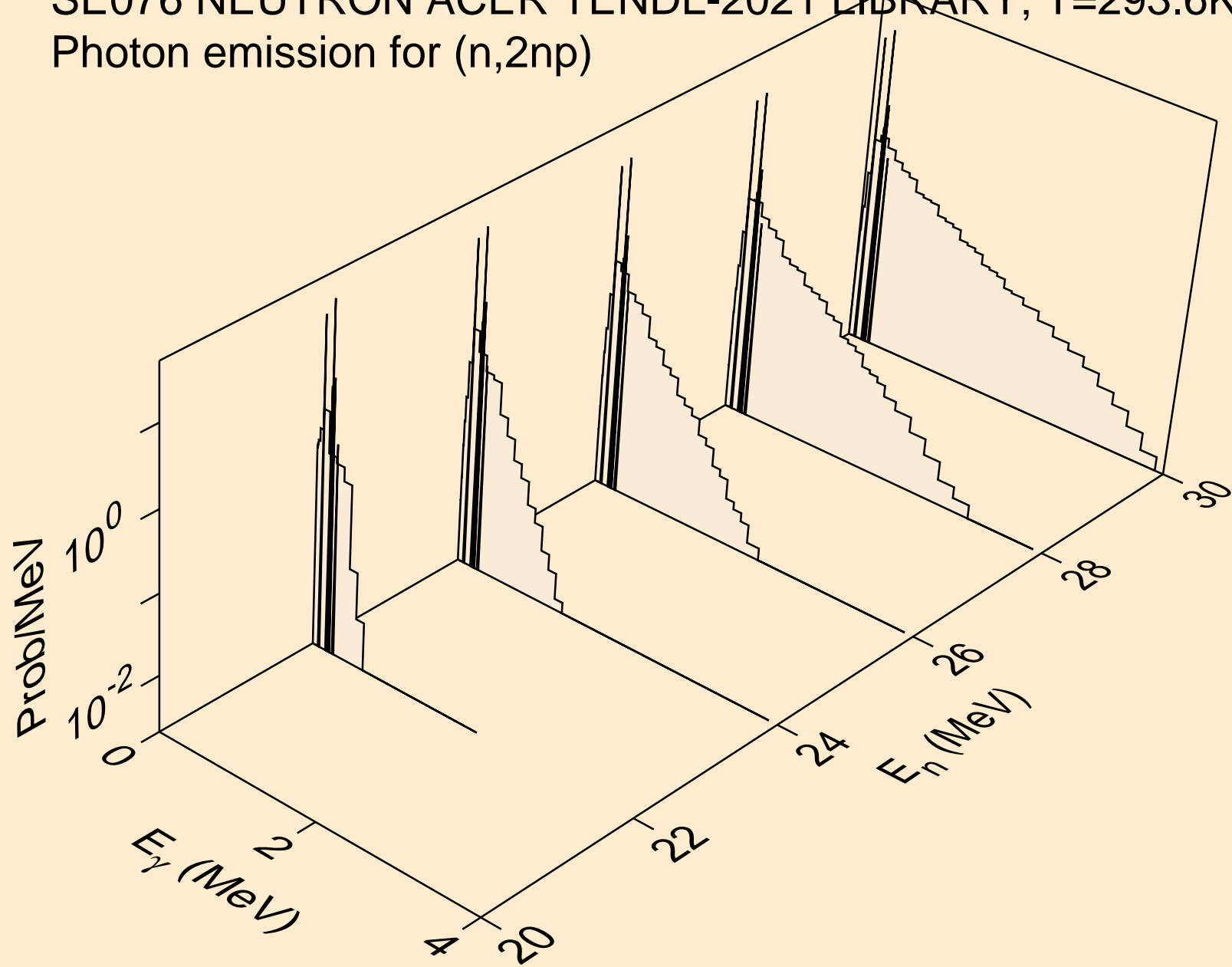


SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3

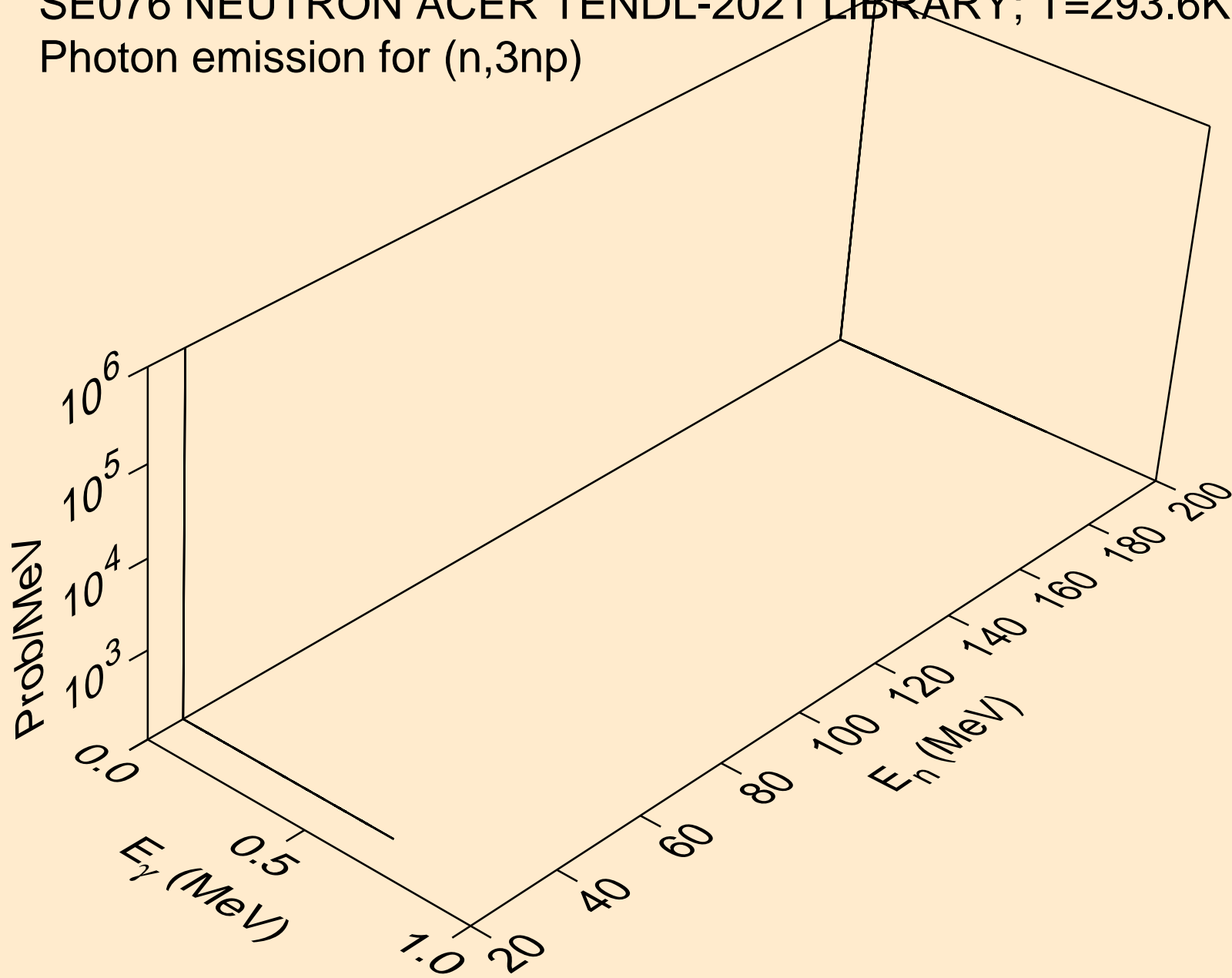




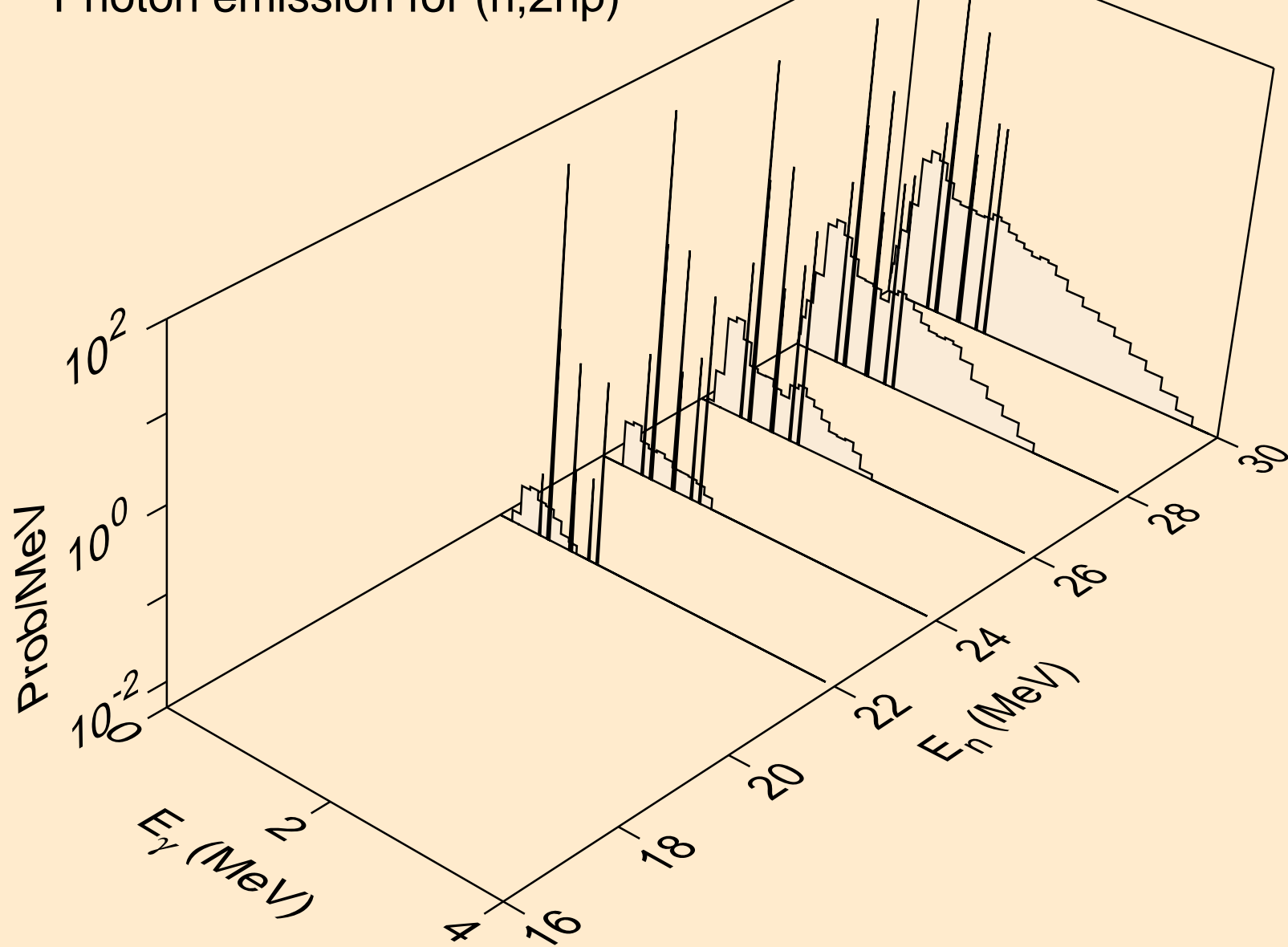
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



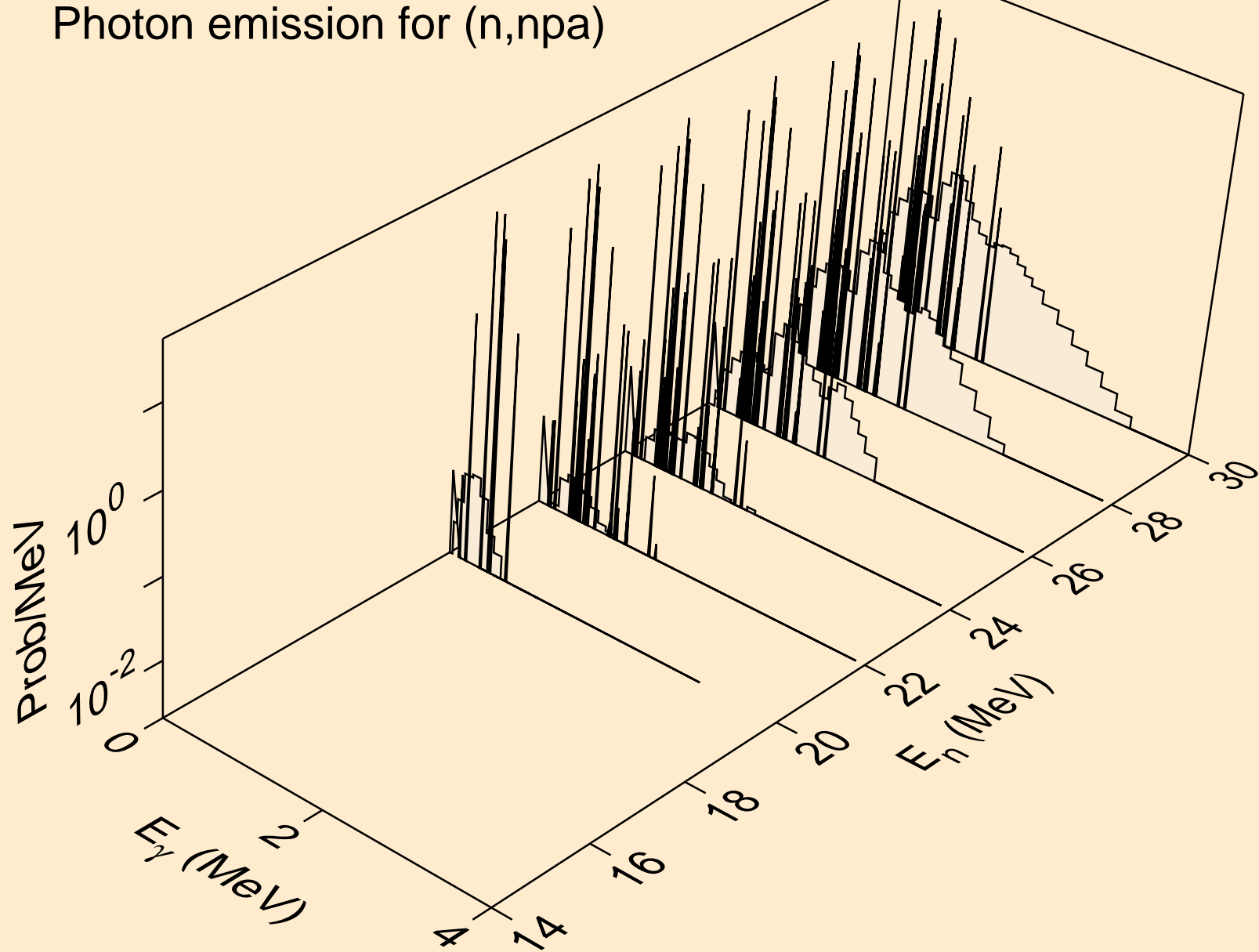
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Photon emission for (n,3np)



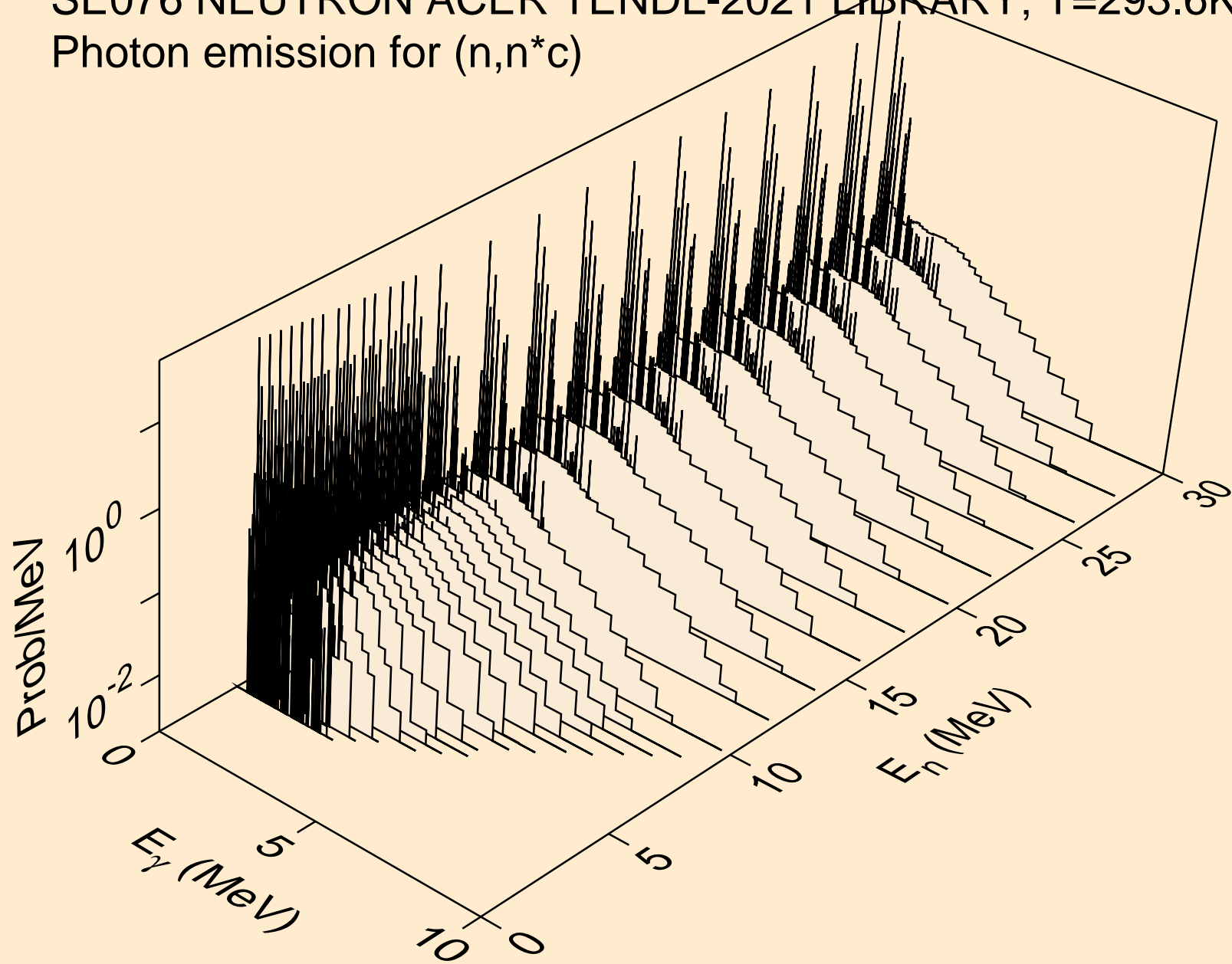
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



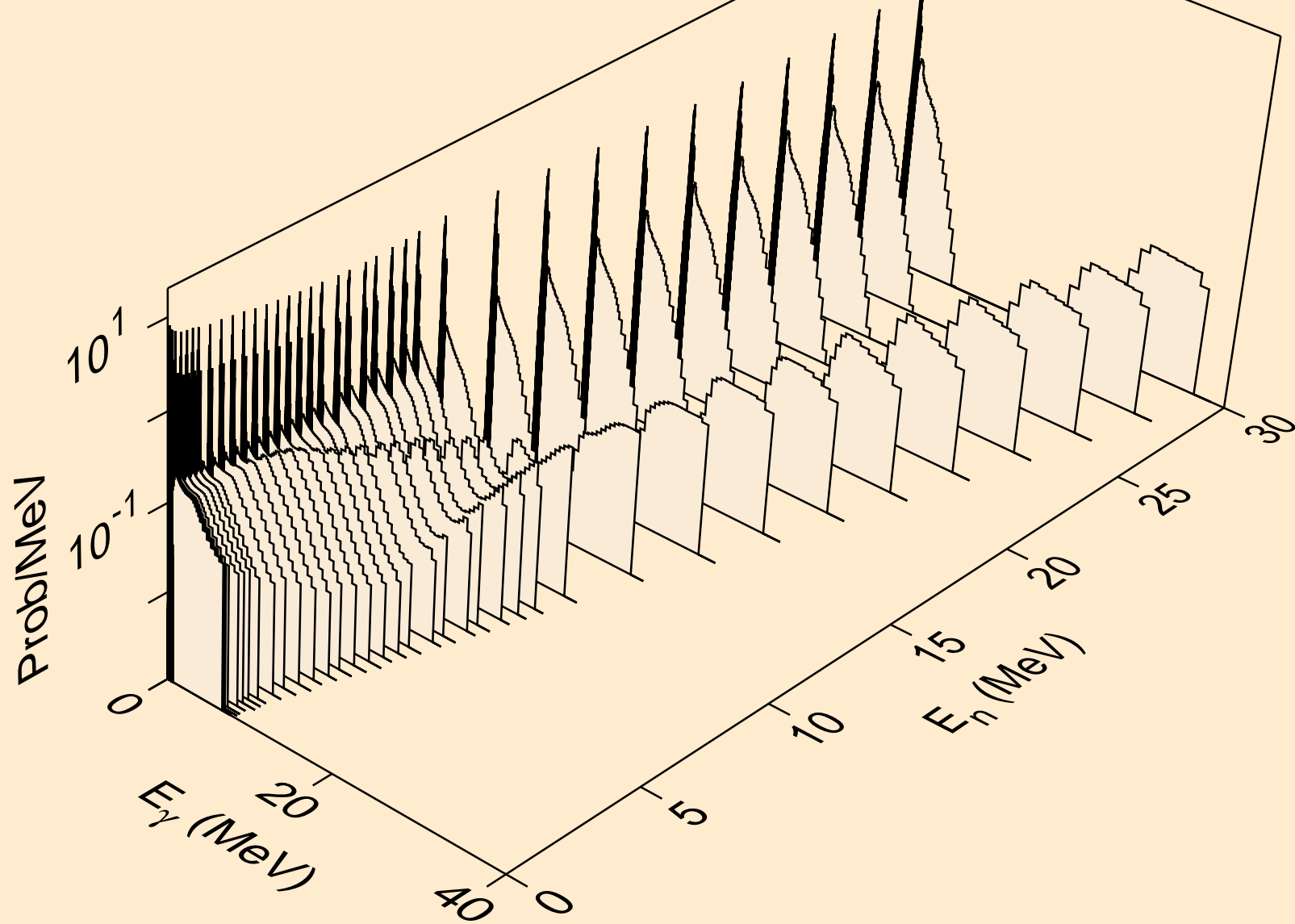
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Photon emission for (n,npa)



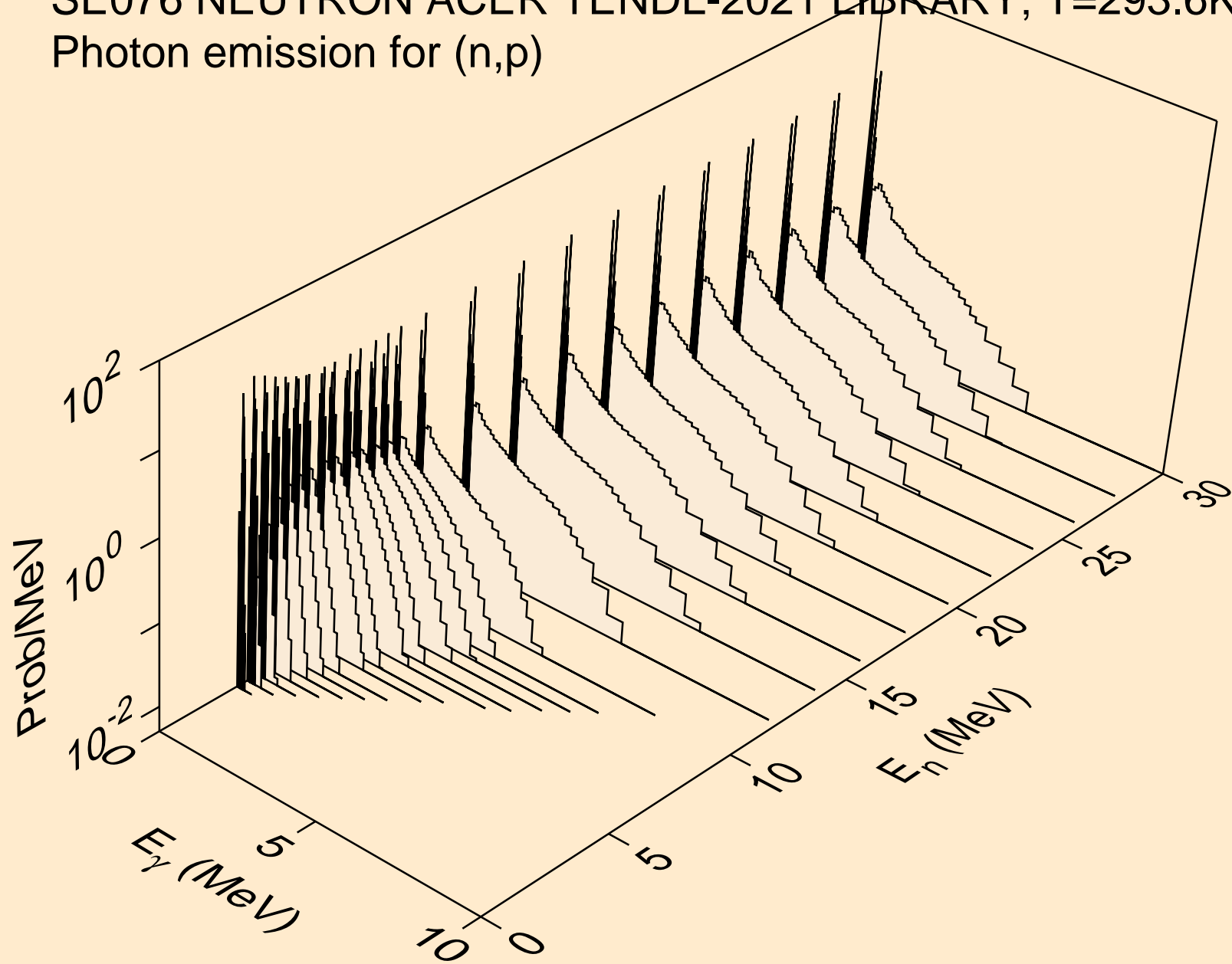
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



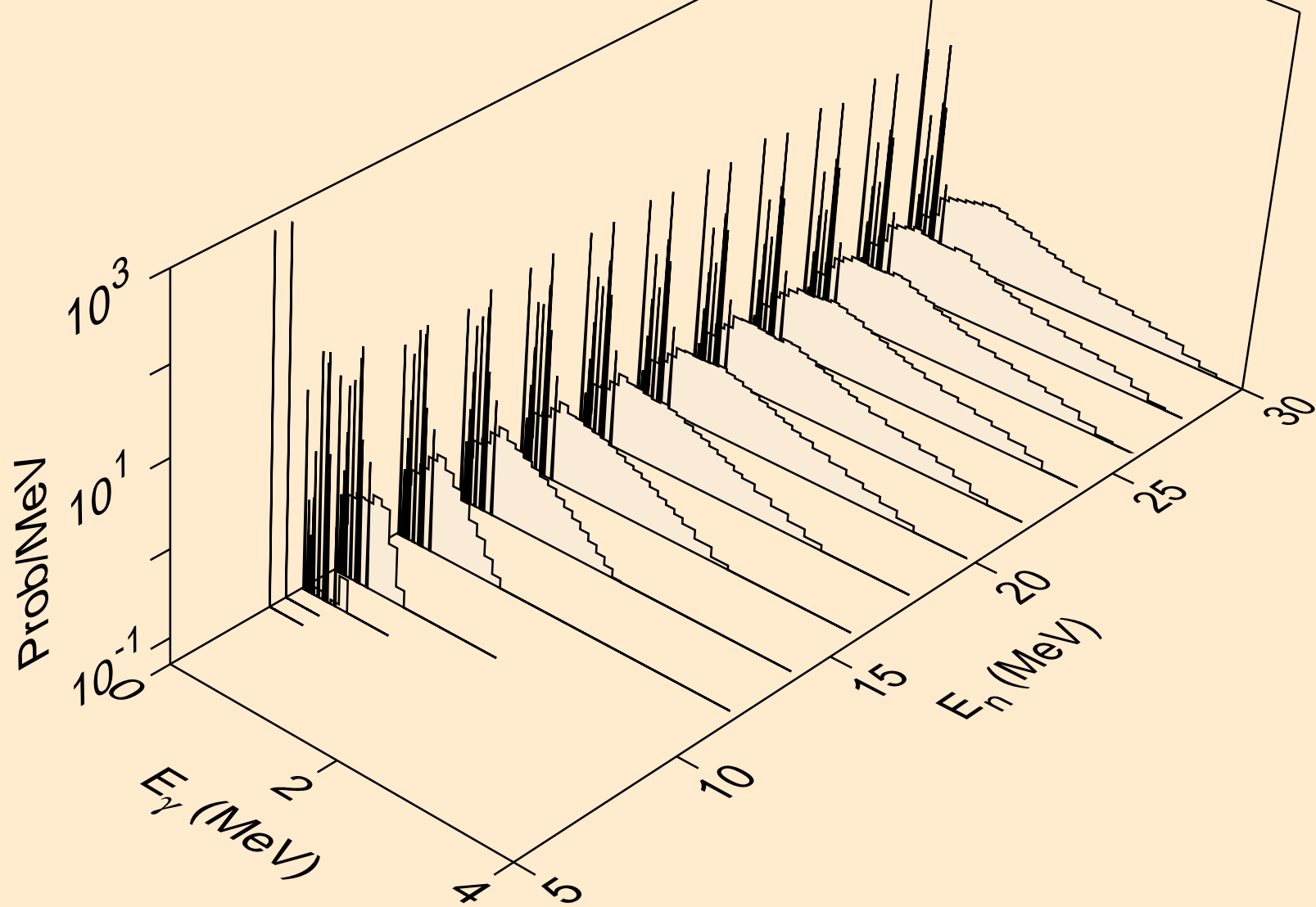
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,gma)



SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)

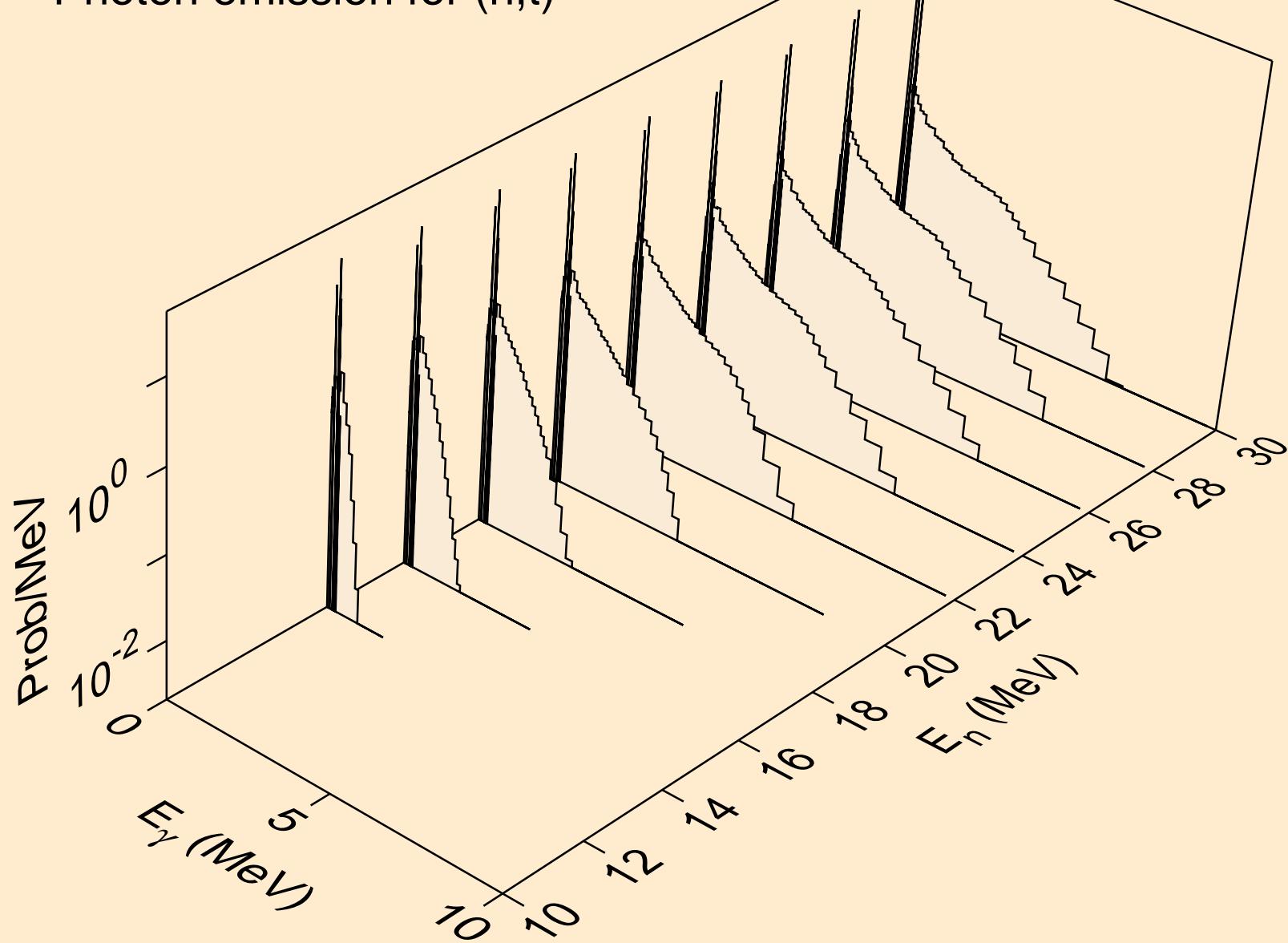


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Photon emission for (n,d)

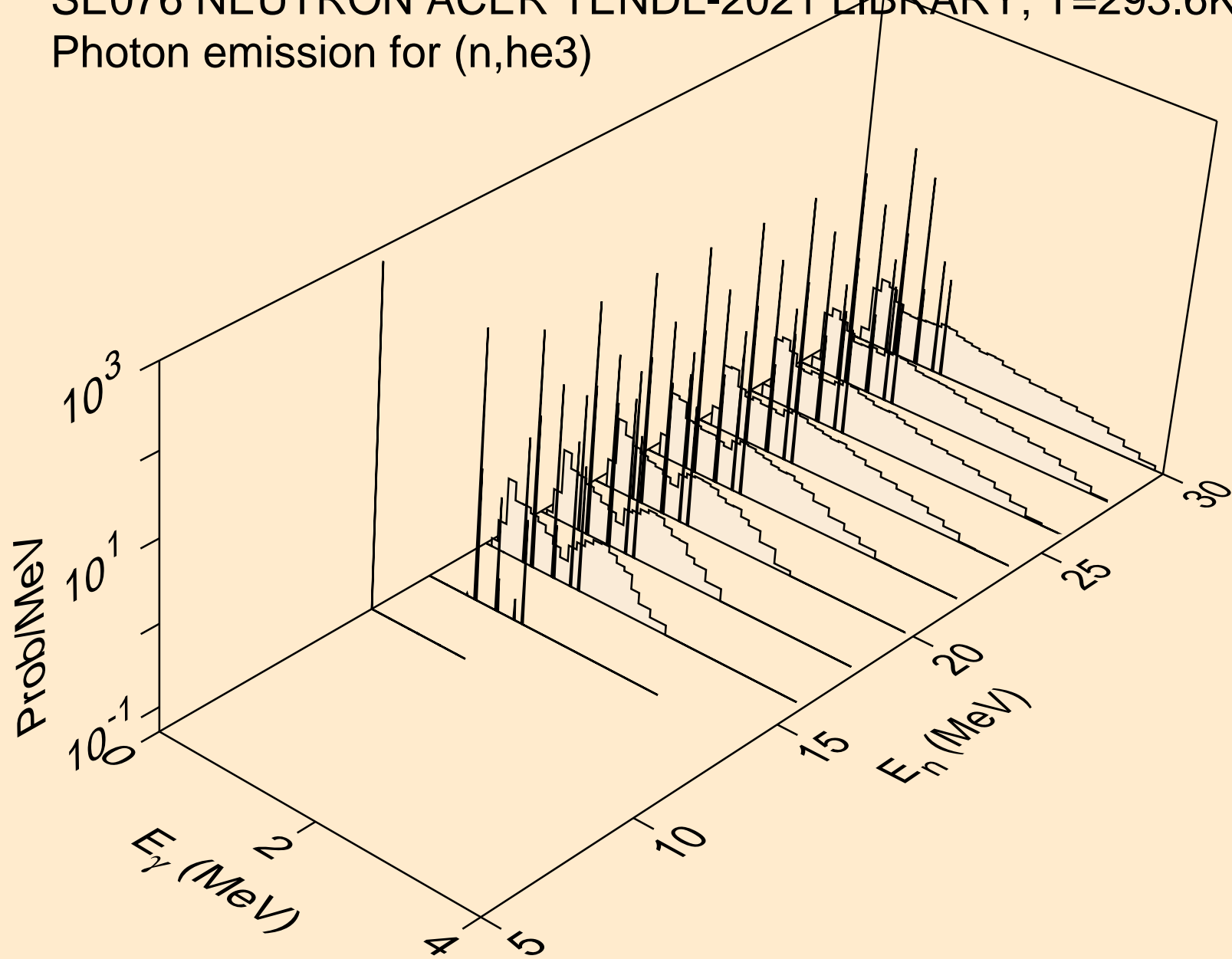




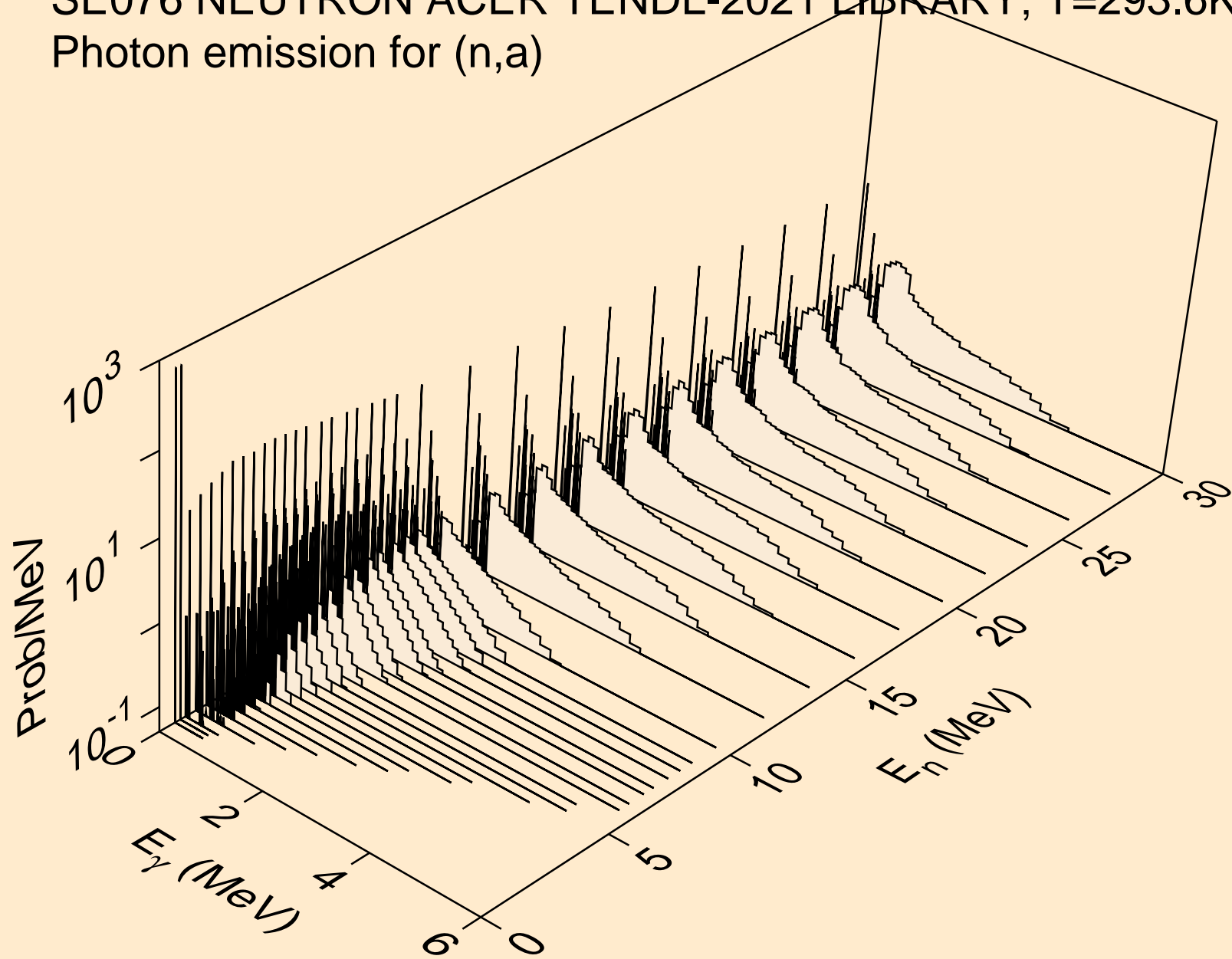
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Photon emission for (n,t)



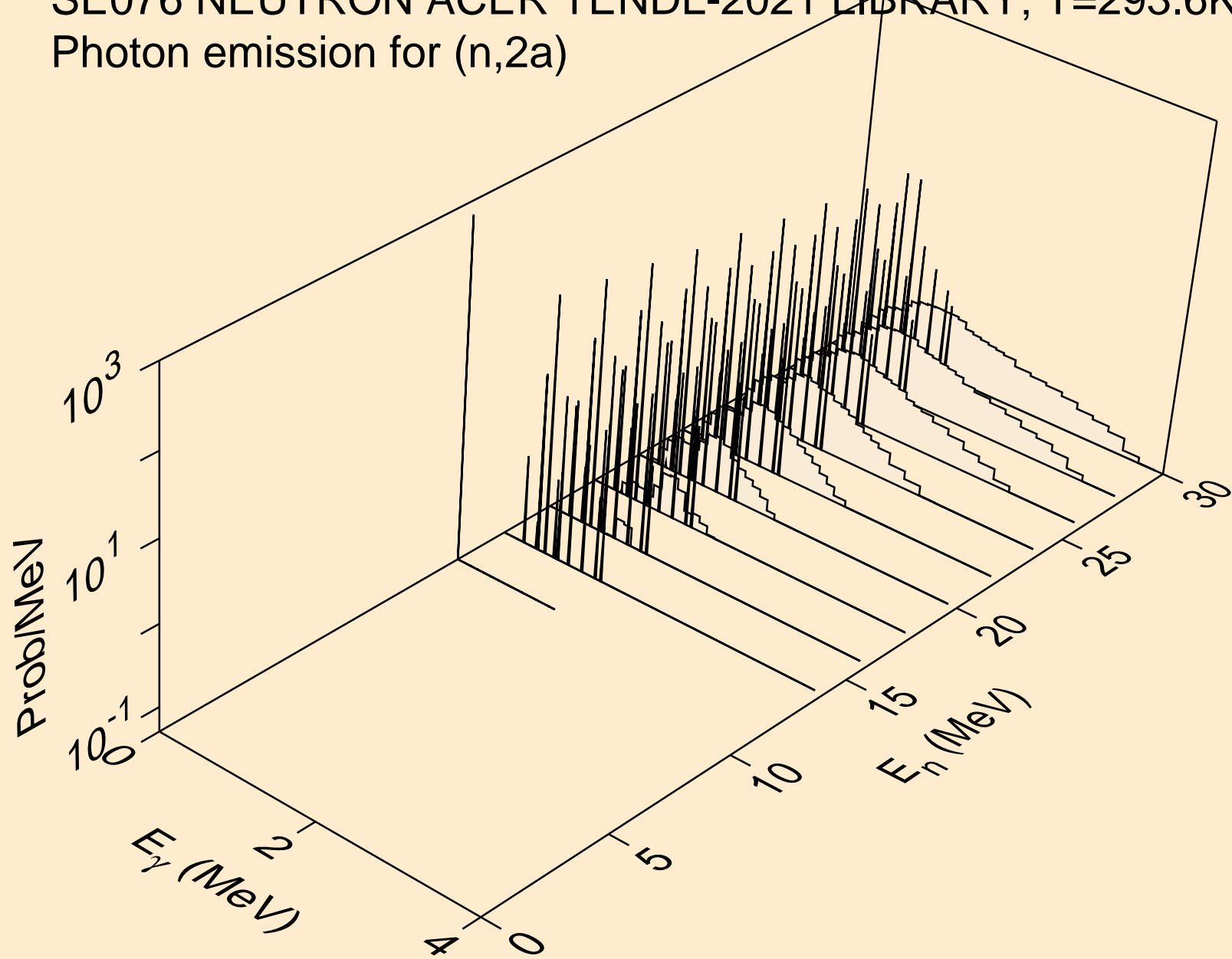
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Photon emission for (n,he3)



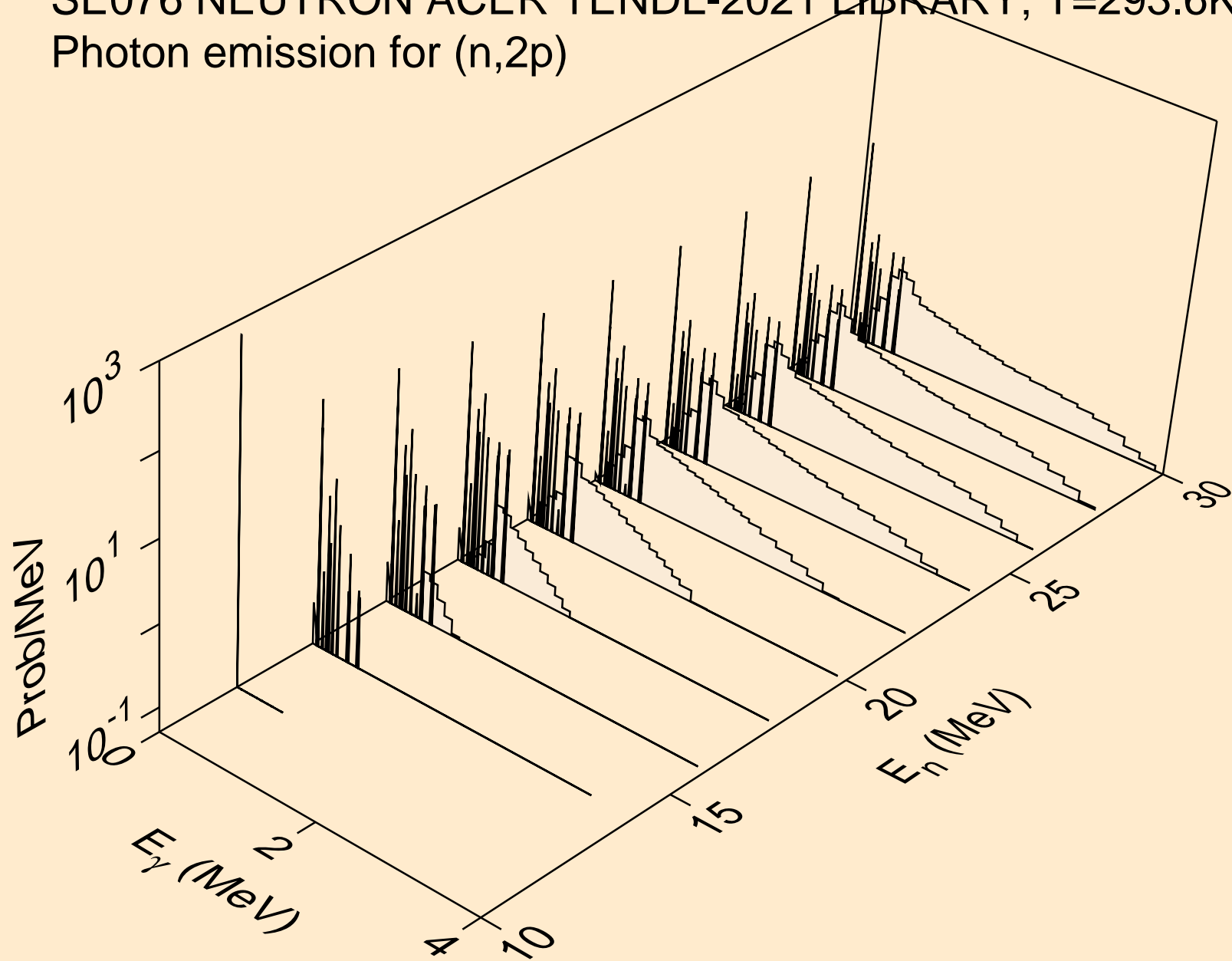
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Photon emission for (n,a)



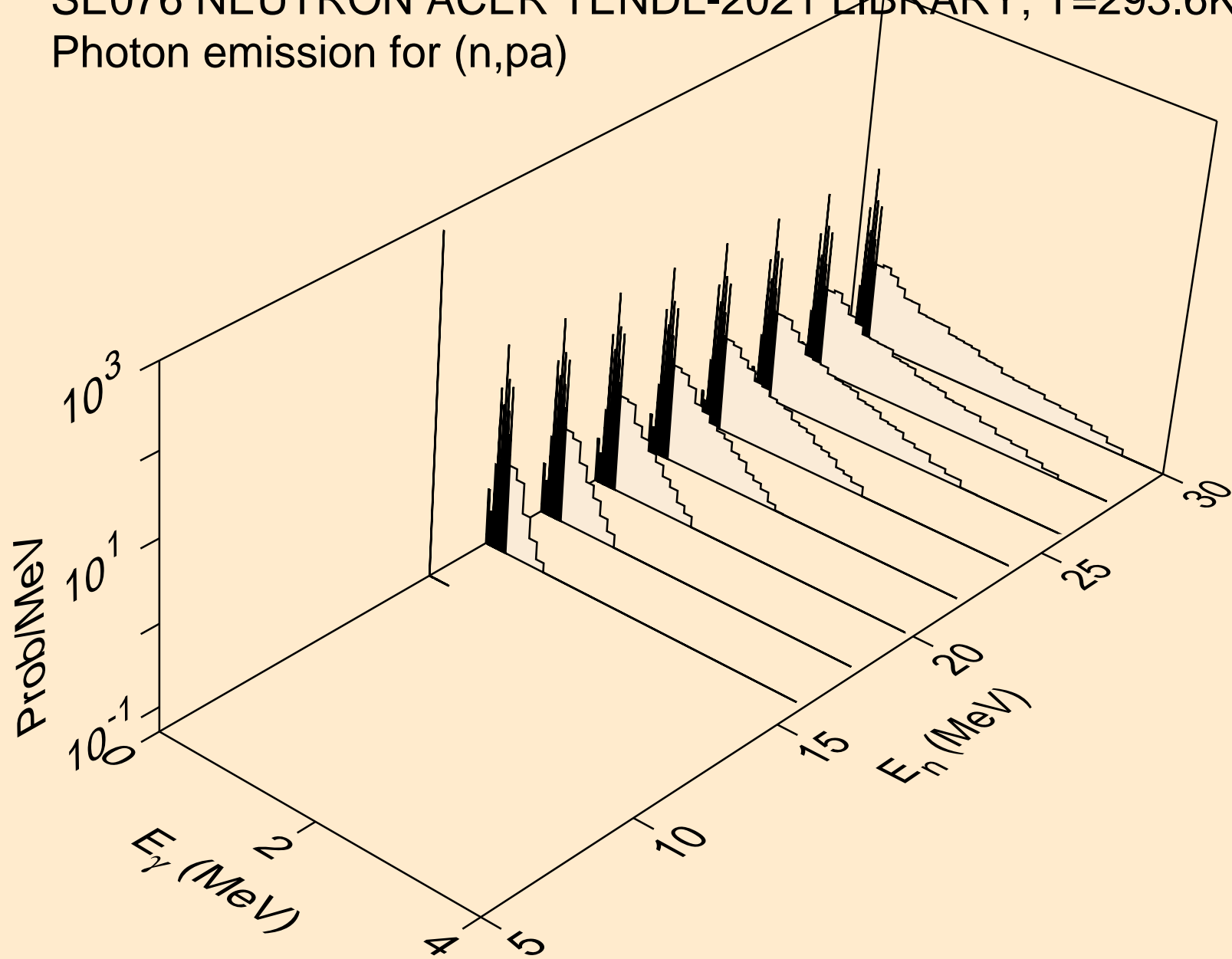
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Photon emission for (n,2a)



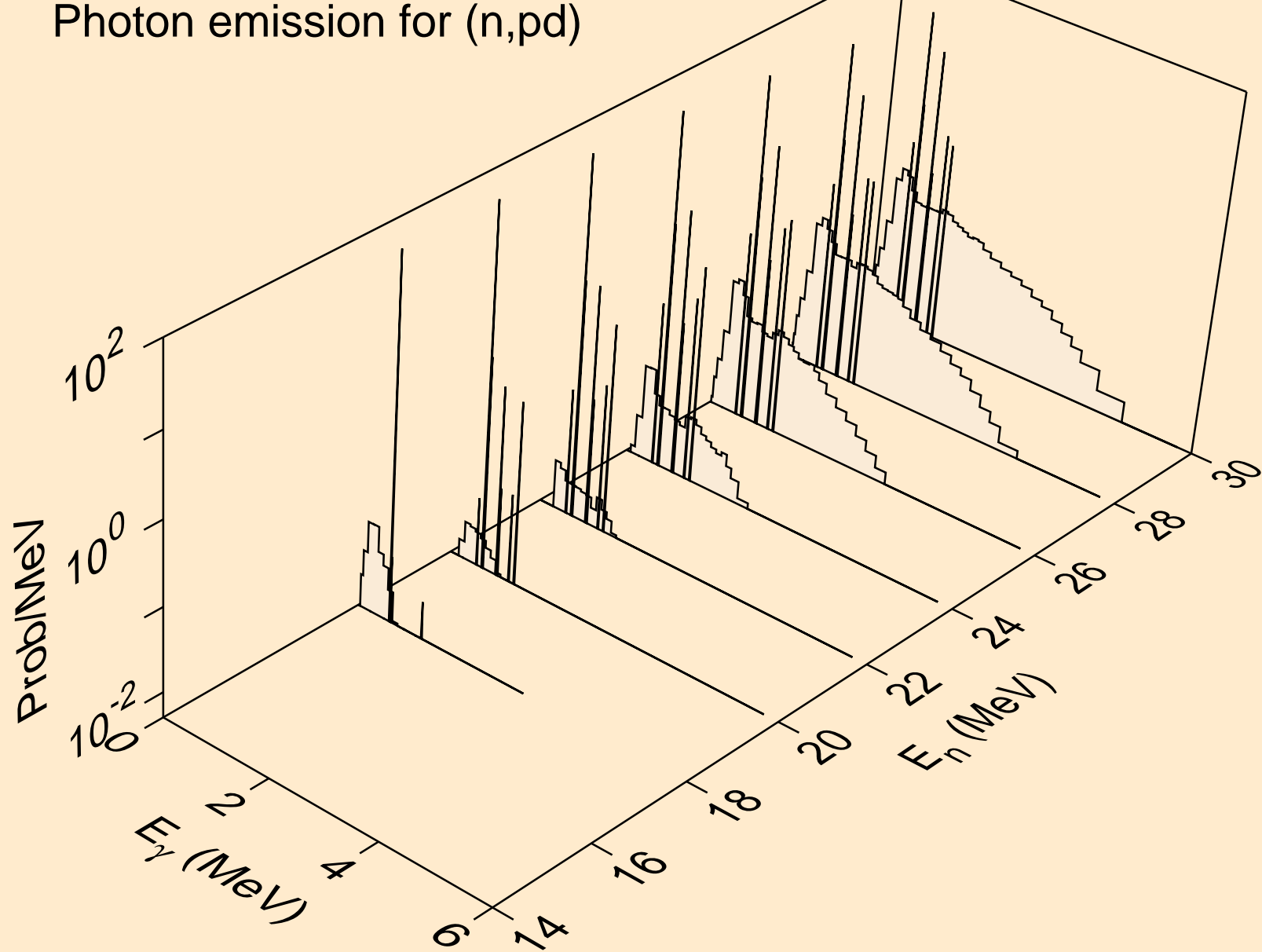
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Photon emission for (n,2p)



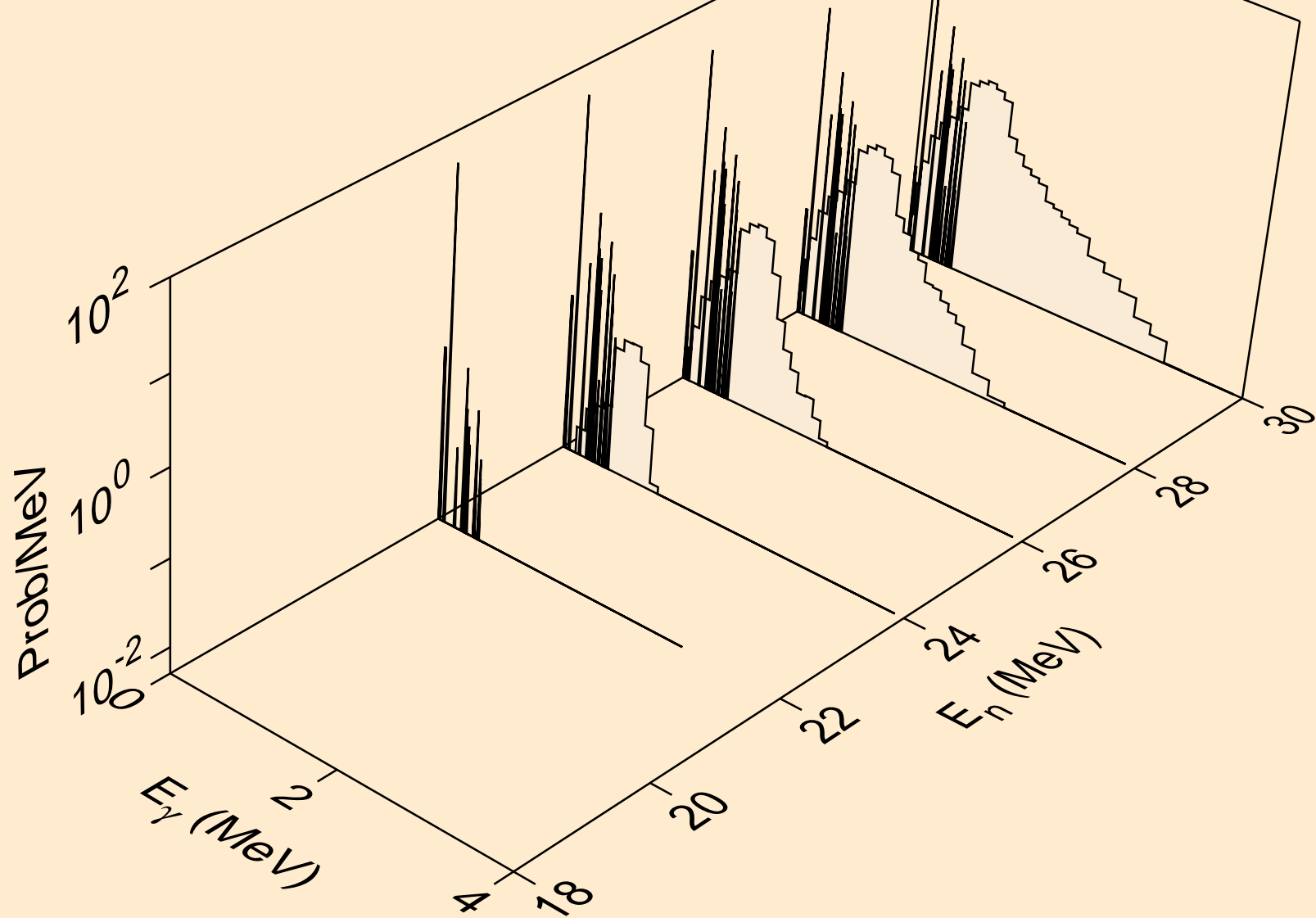
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p $\alpha$ )



SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pd)

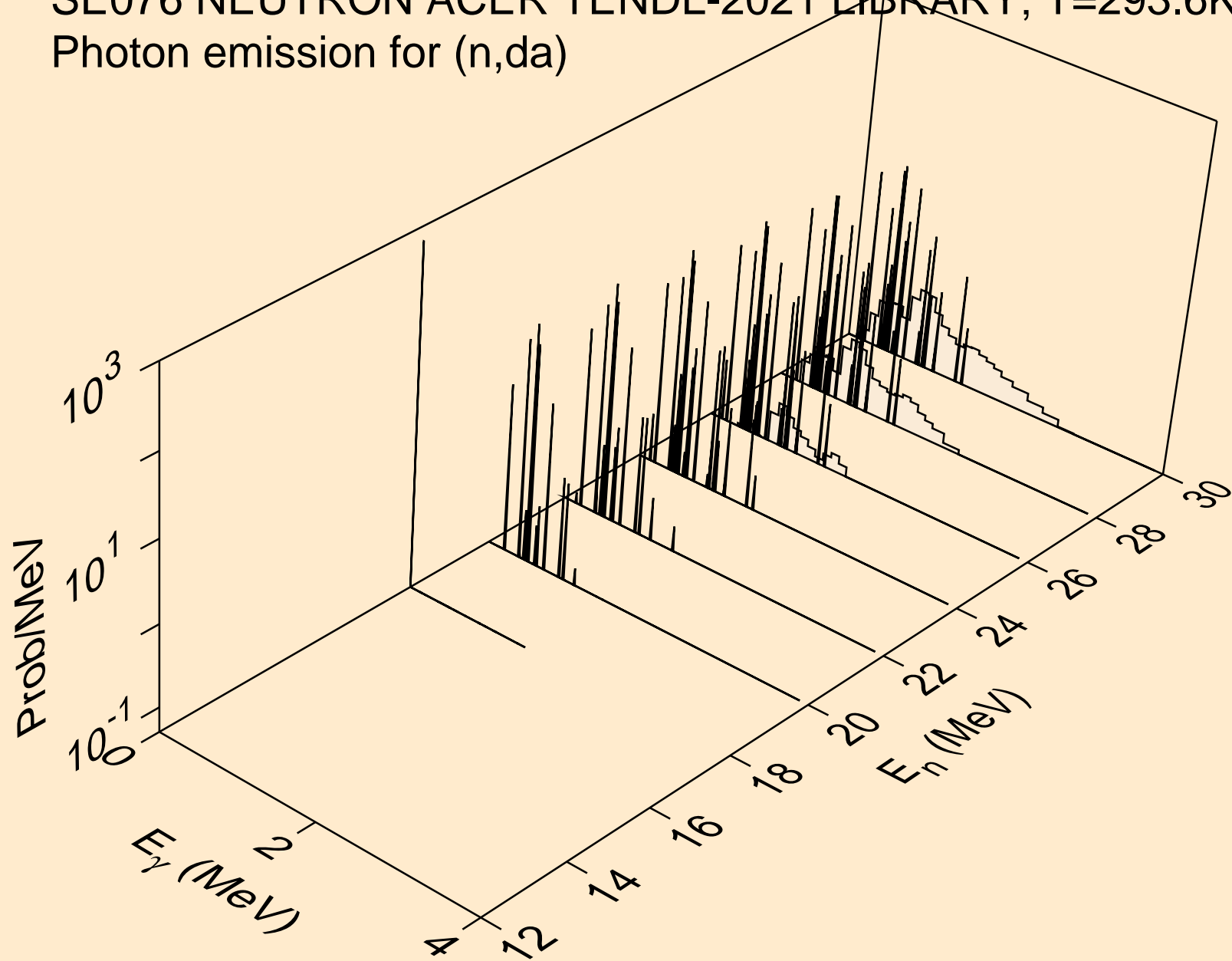


SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pt)

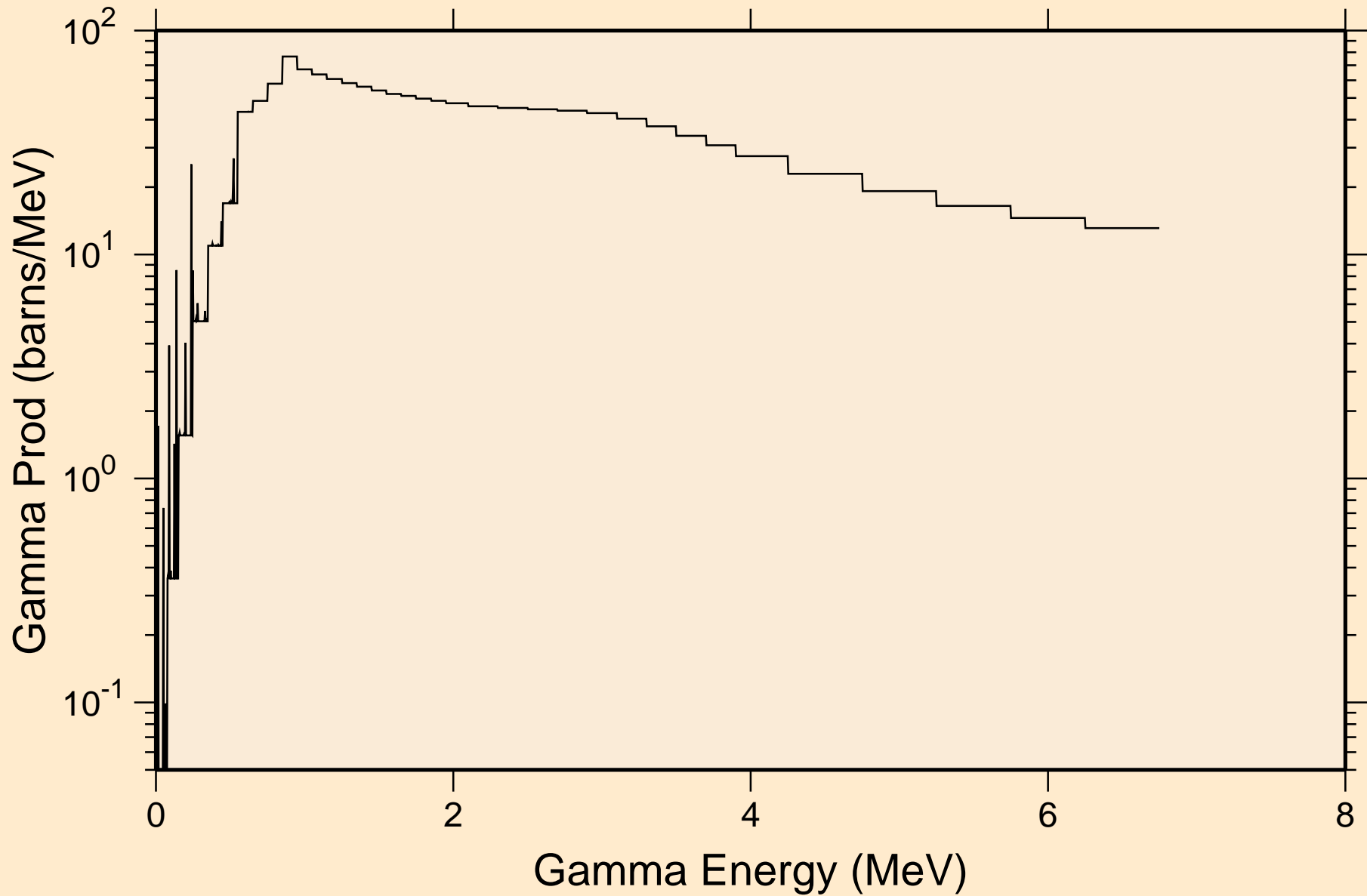




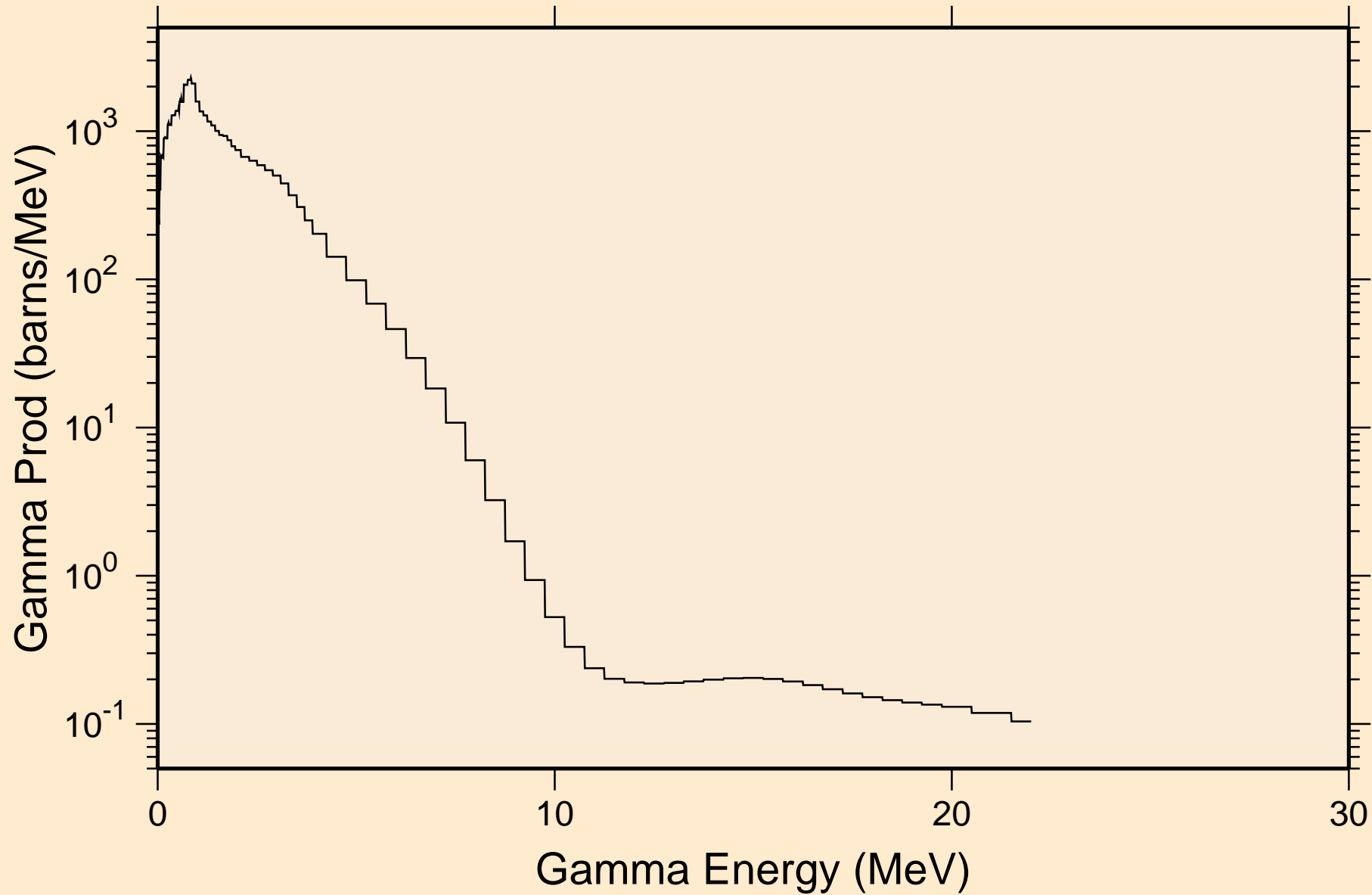
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,da)



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thermal capture photon spectrum

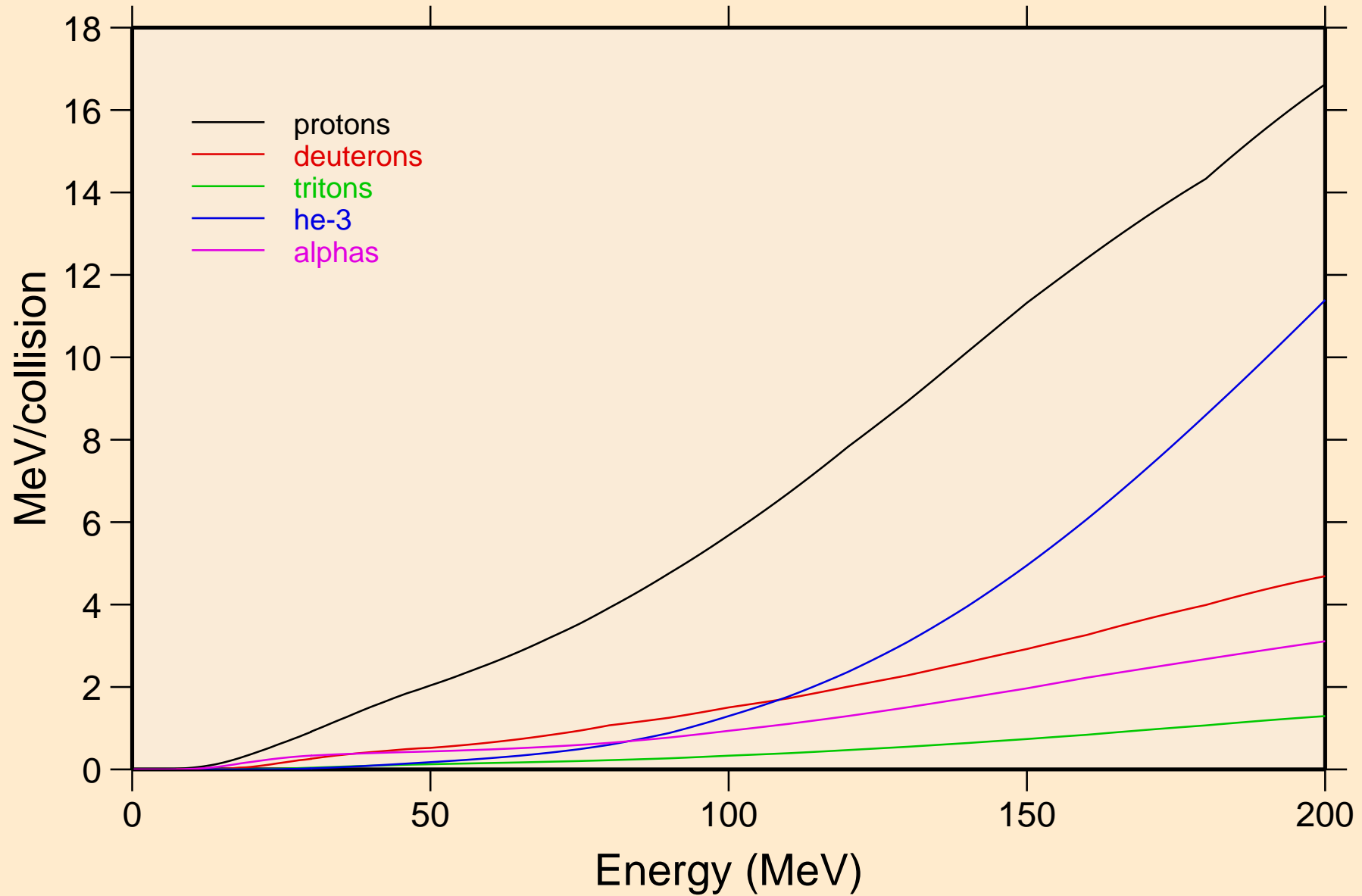


SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
14 MeV photon spectrum

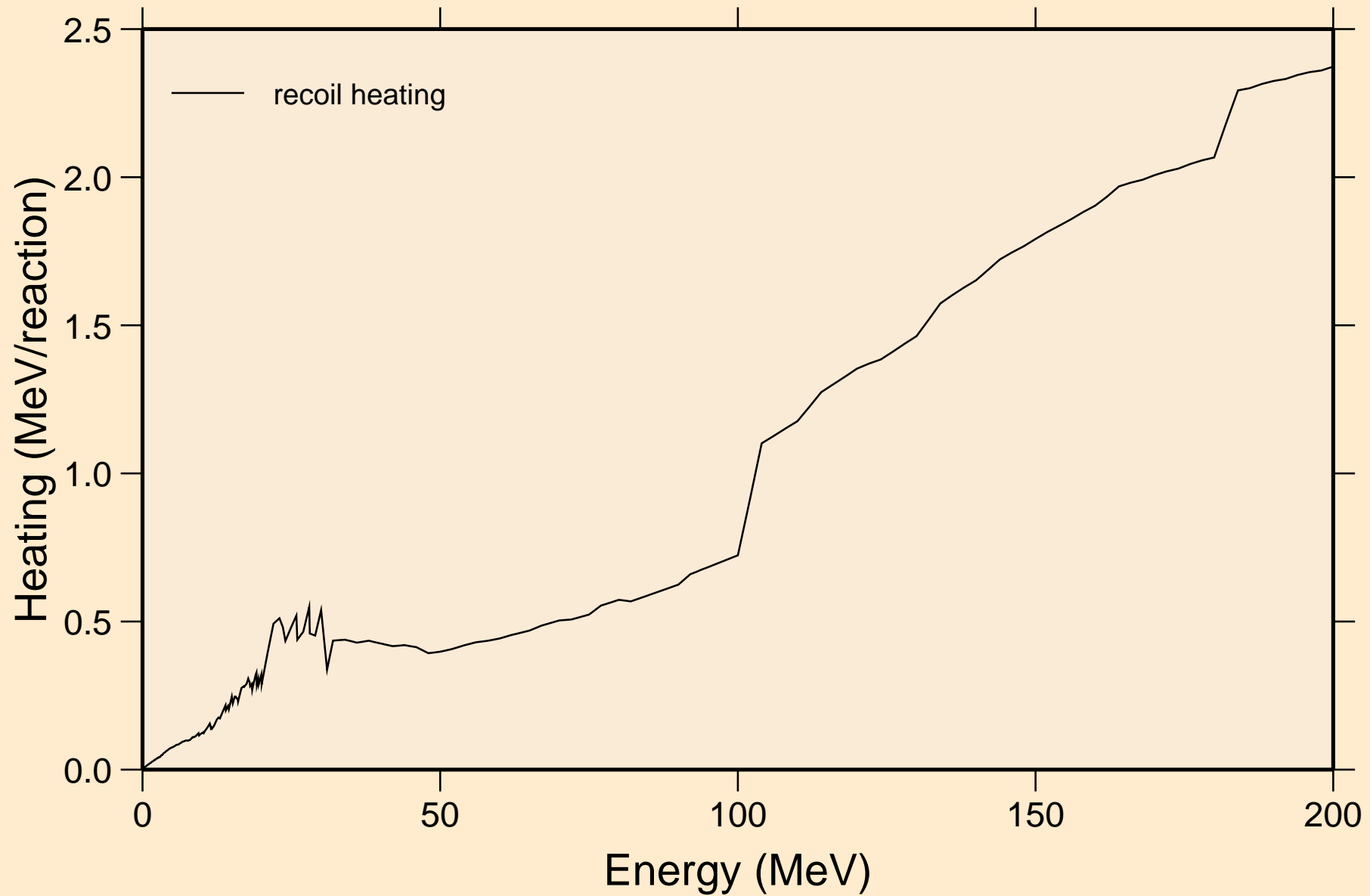


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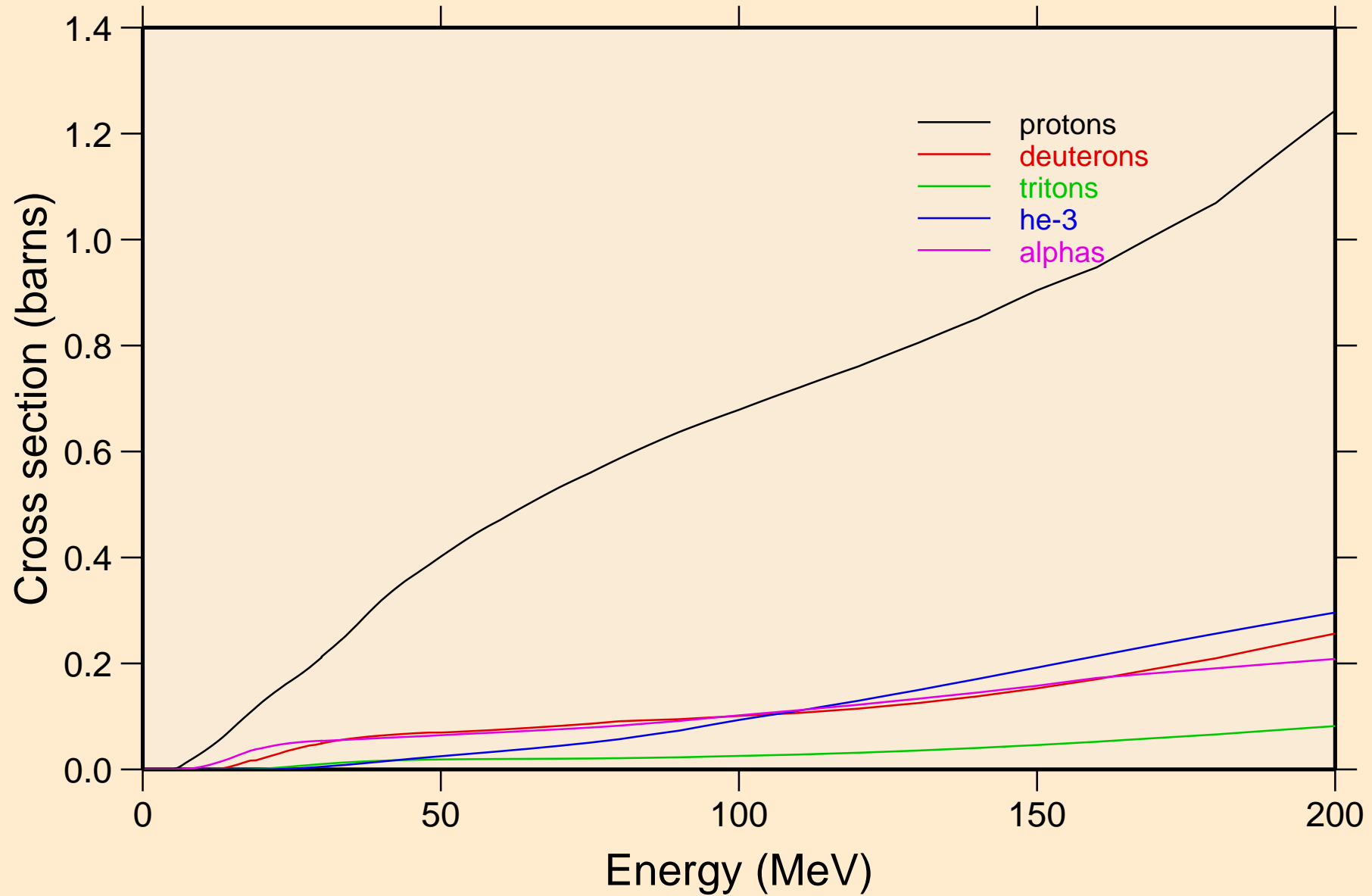
## Particle heating contributions



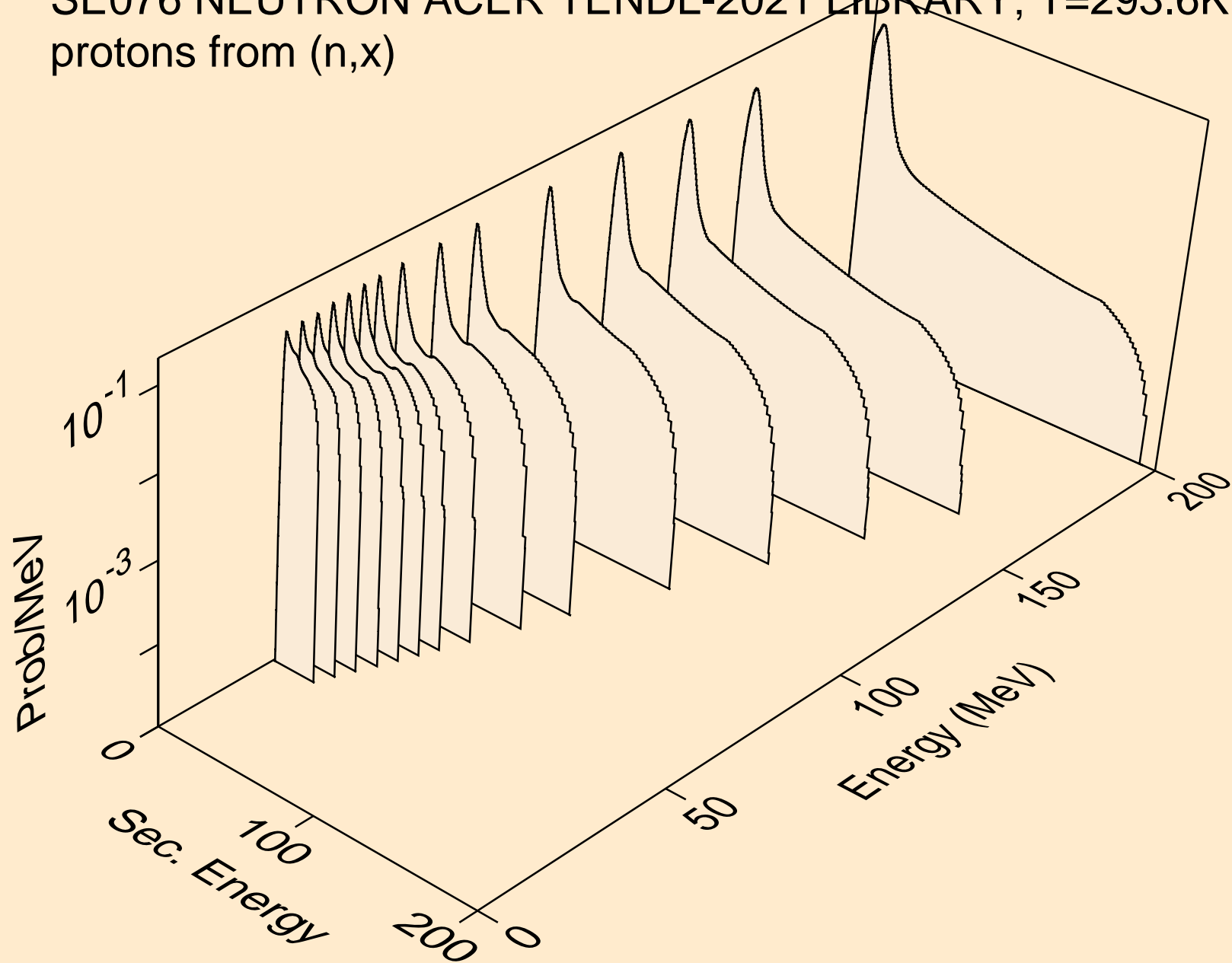
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Recoil Heating



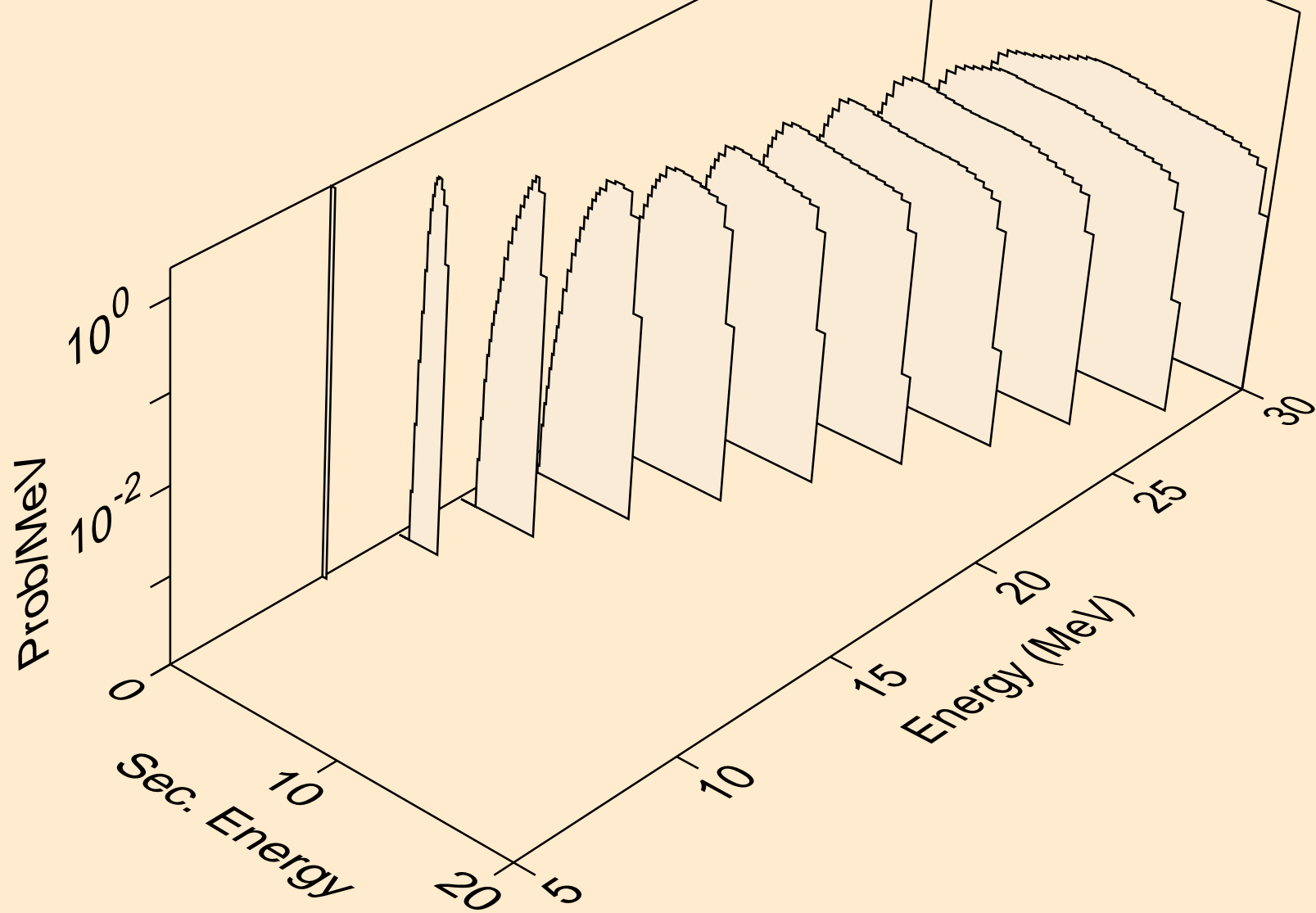
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle production cross sections



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protons from (n,x)

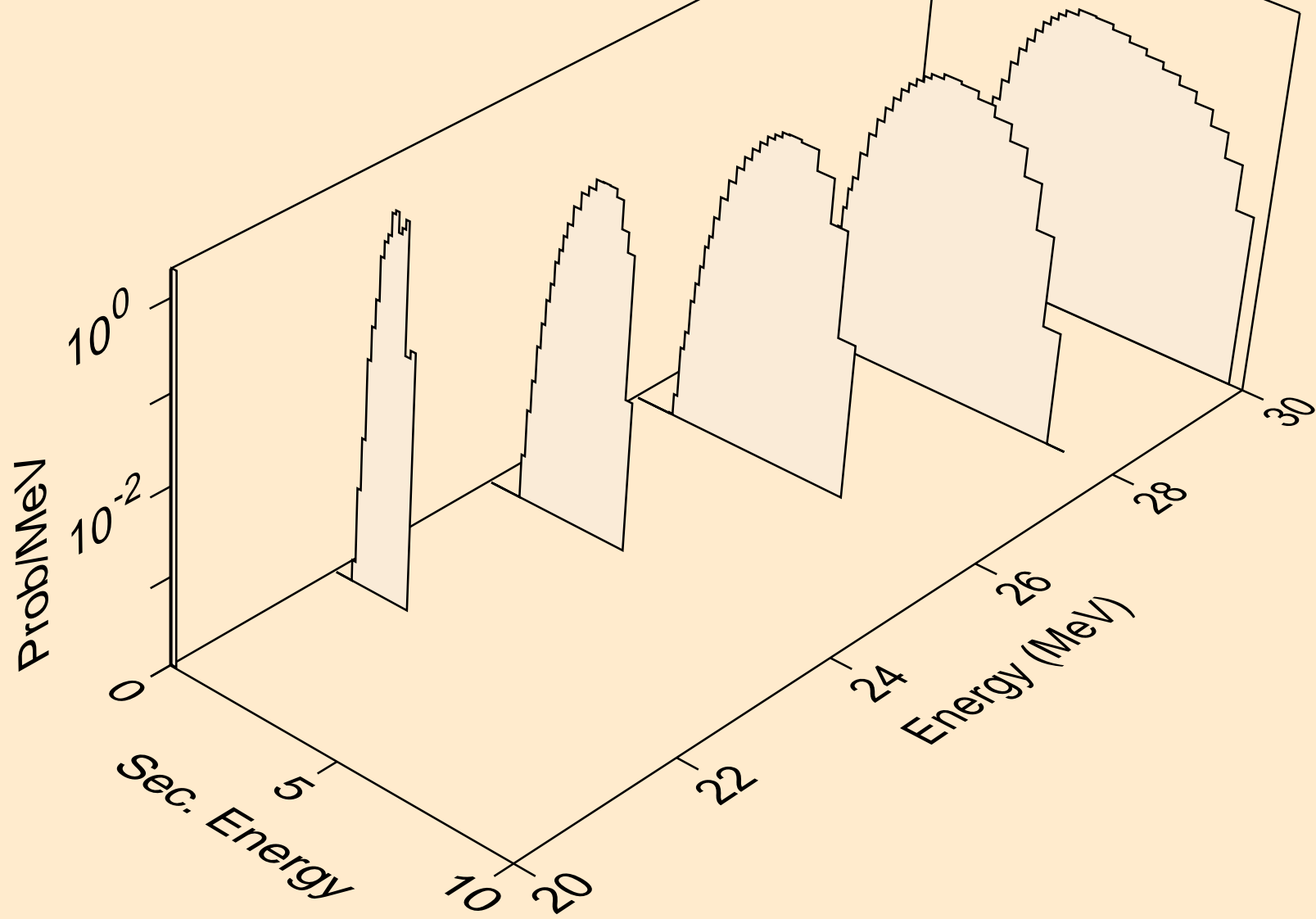


SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,n\*)p

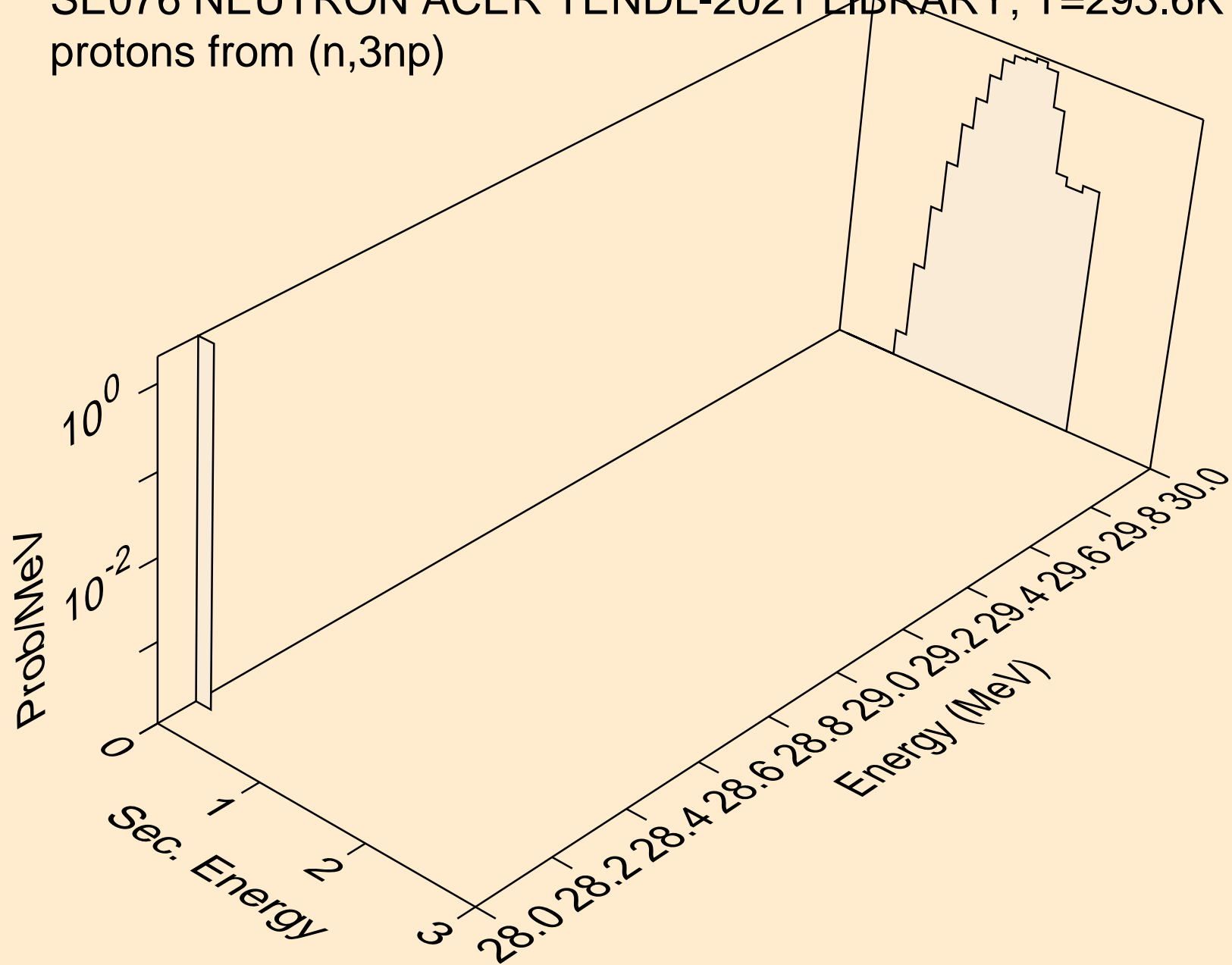




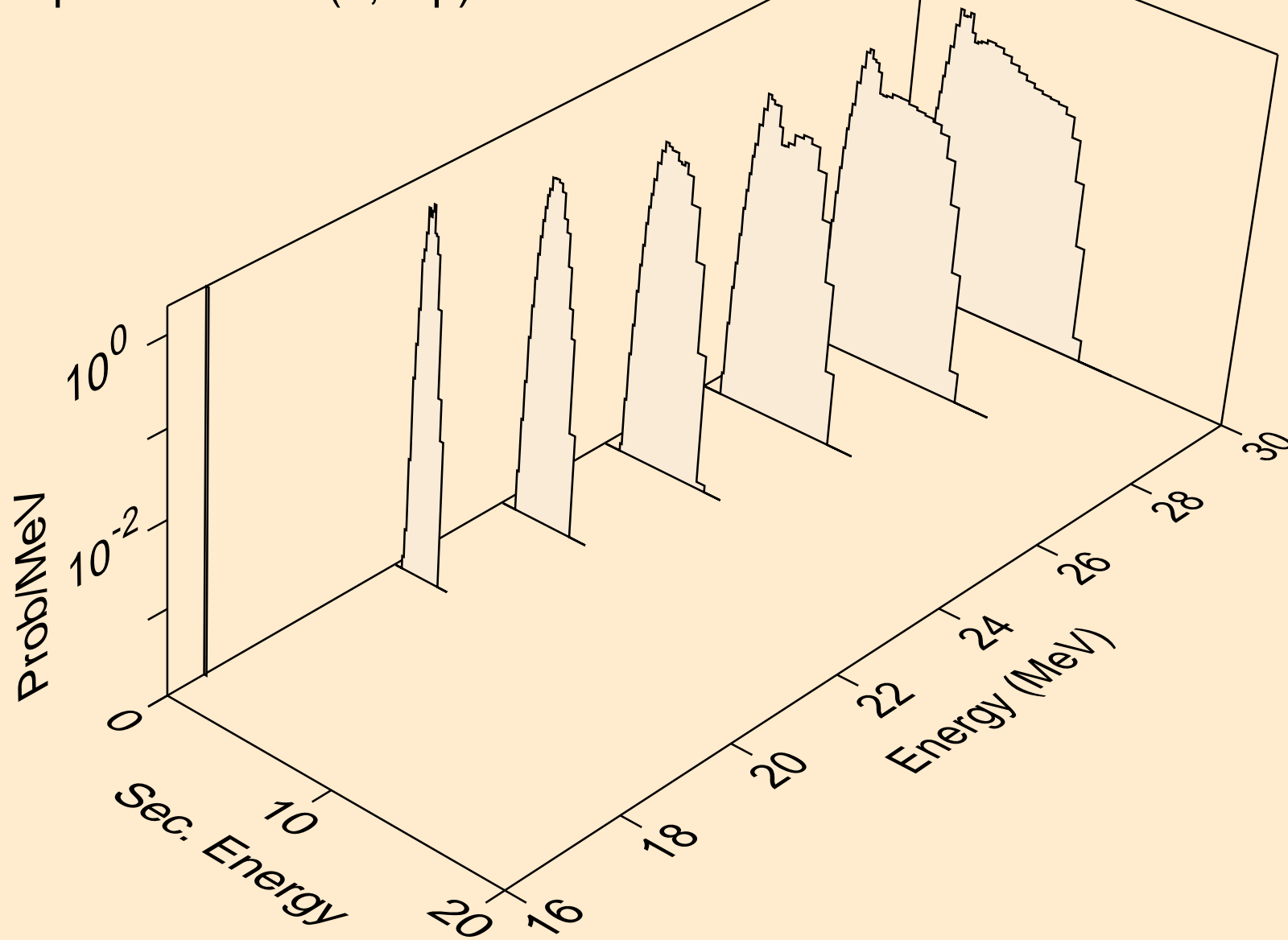
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)



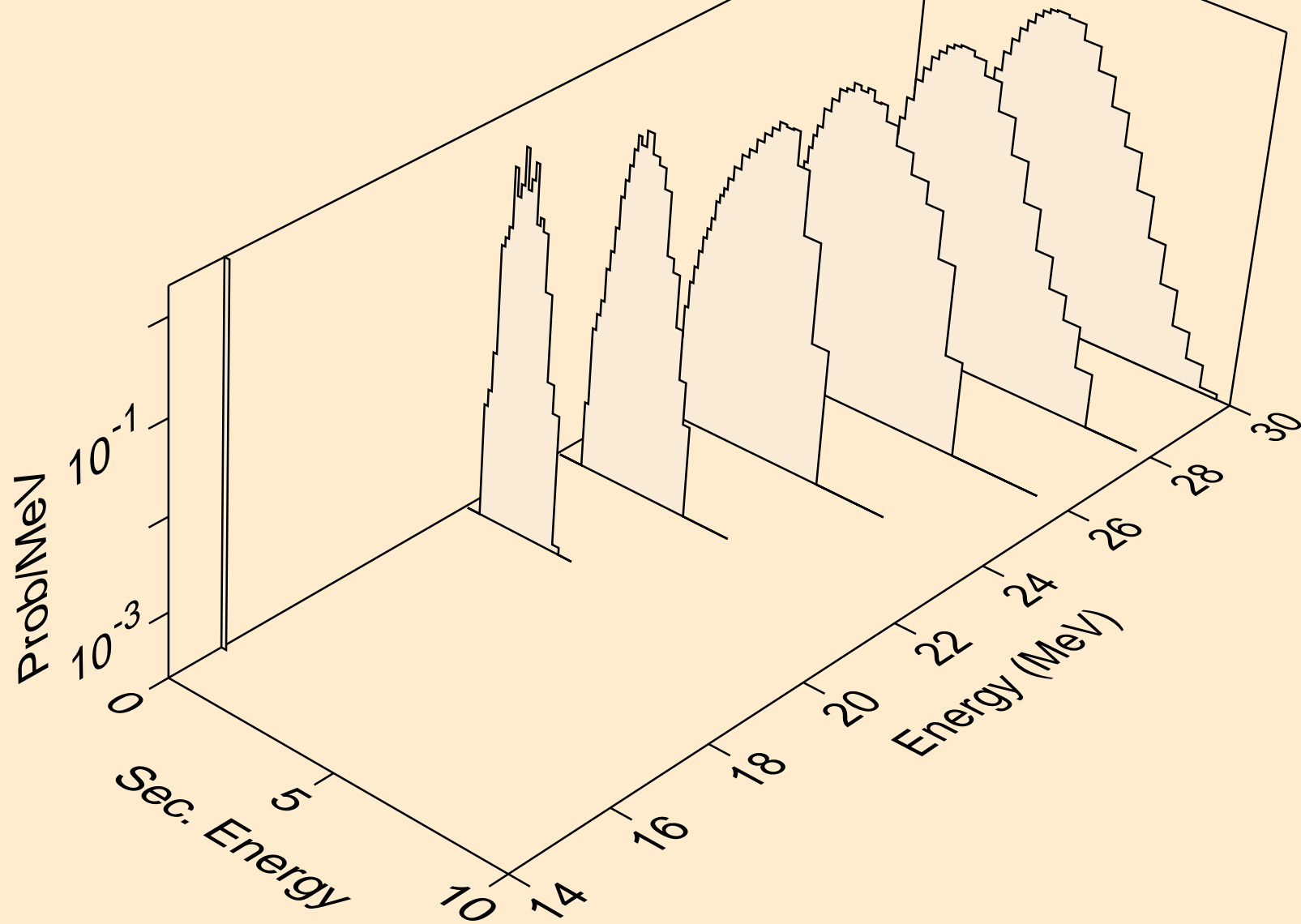
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,3np)



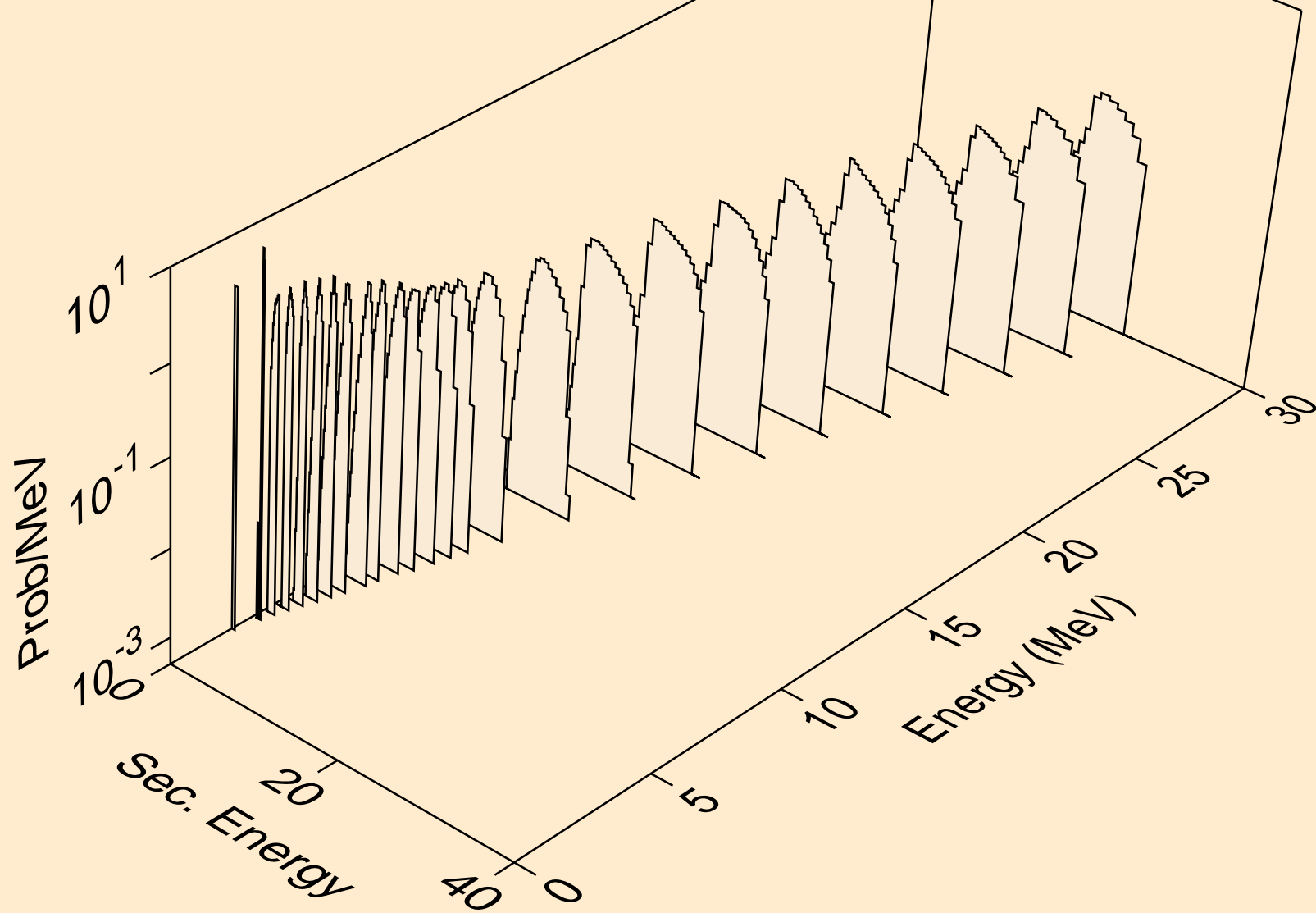
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
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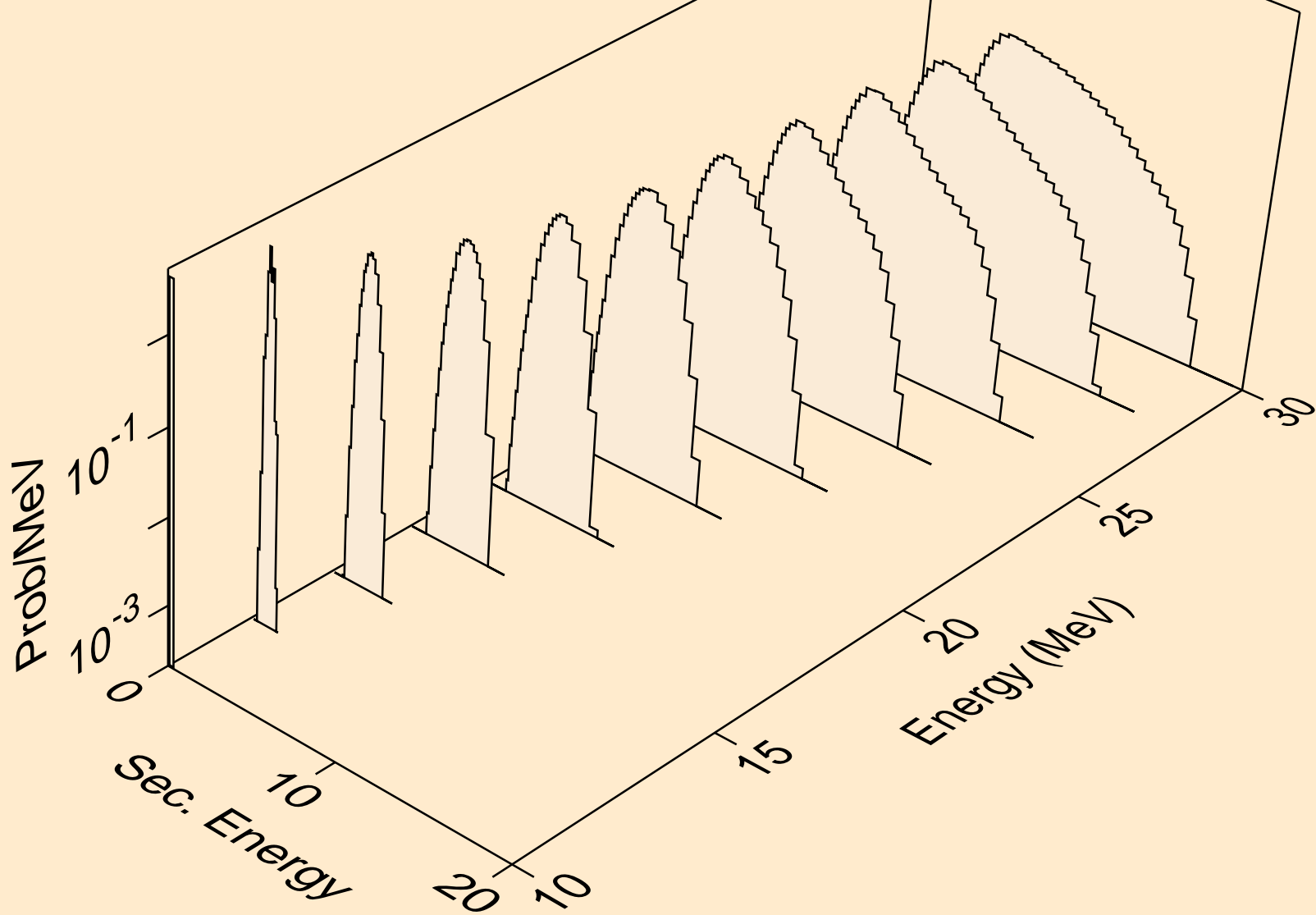
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protons from (n,npa)



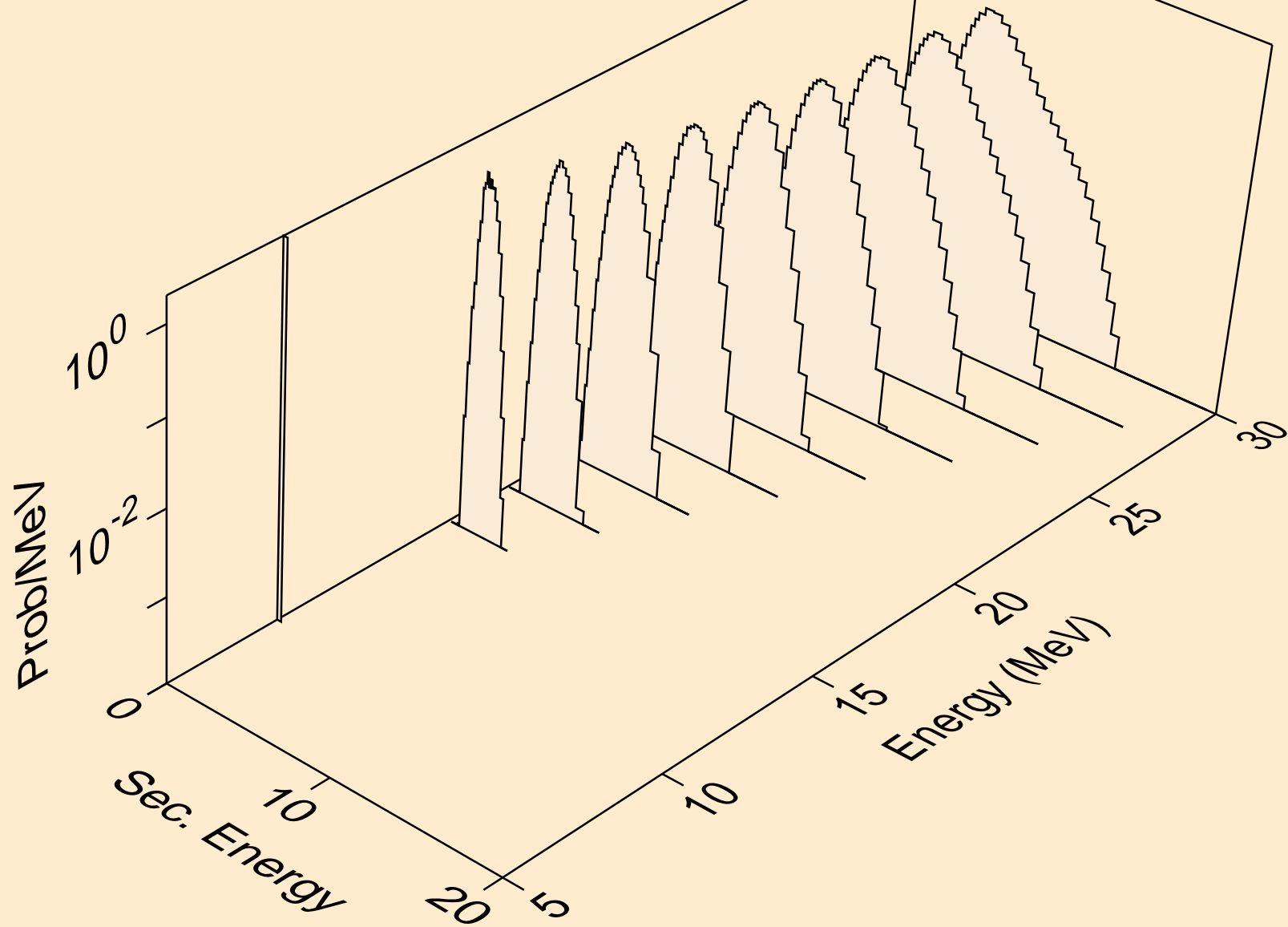
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protons from (n,p)



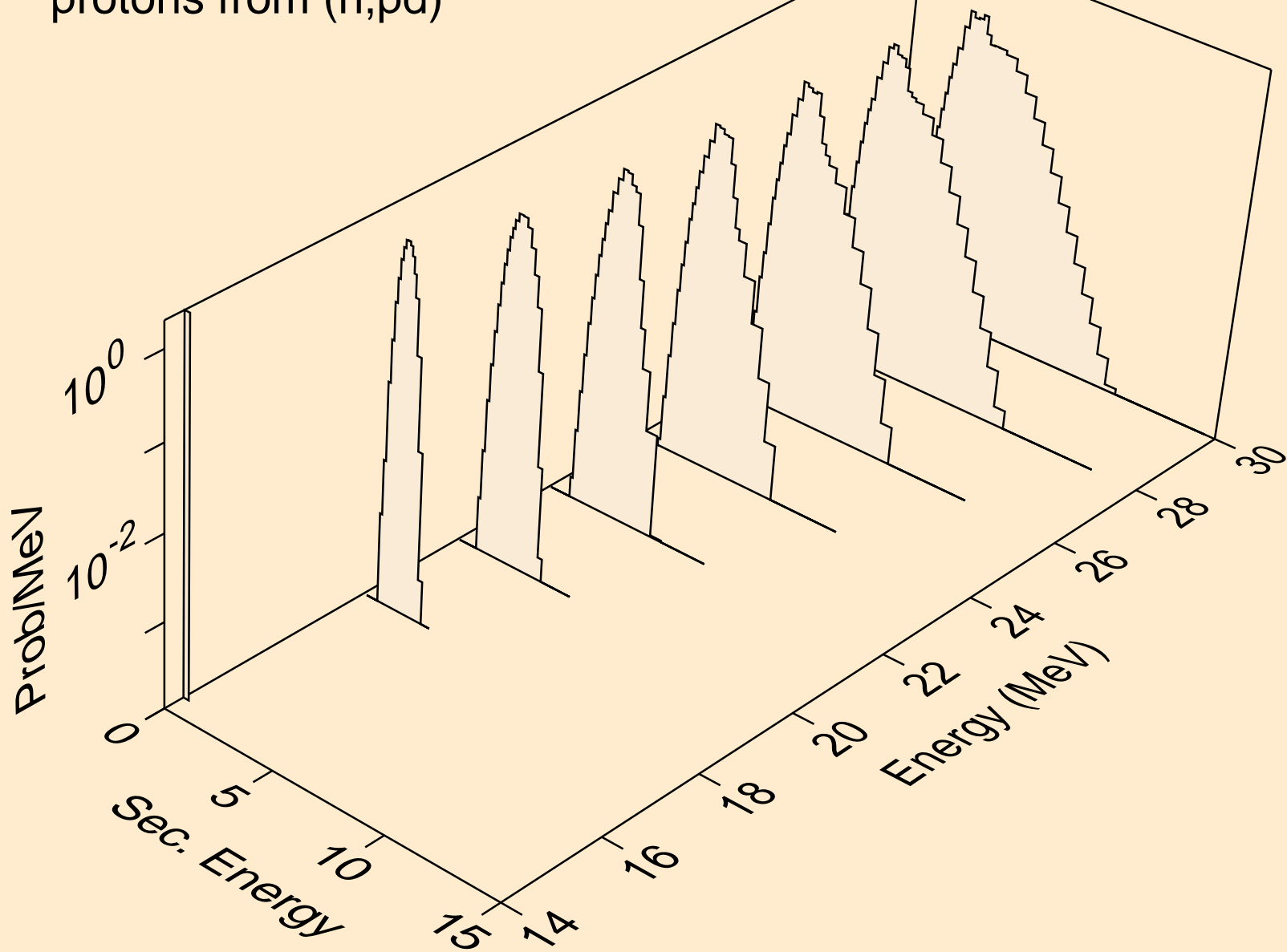
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2p)



SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,p)

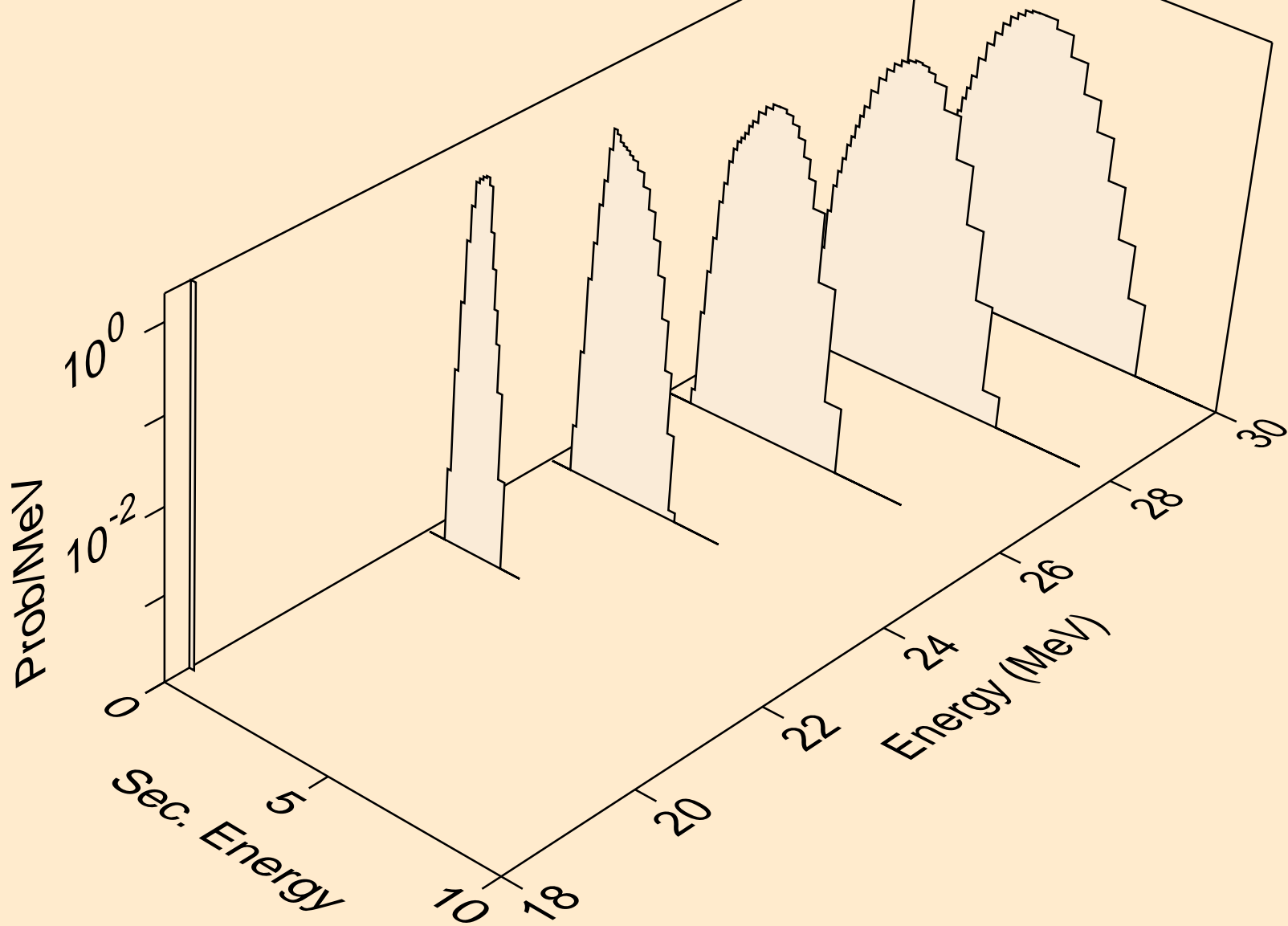


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protons from (n,pd)

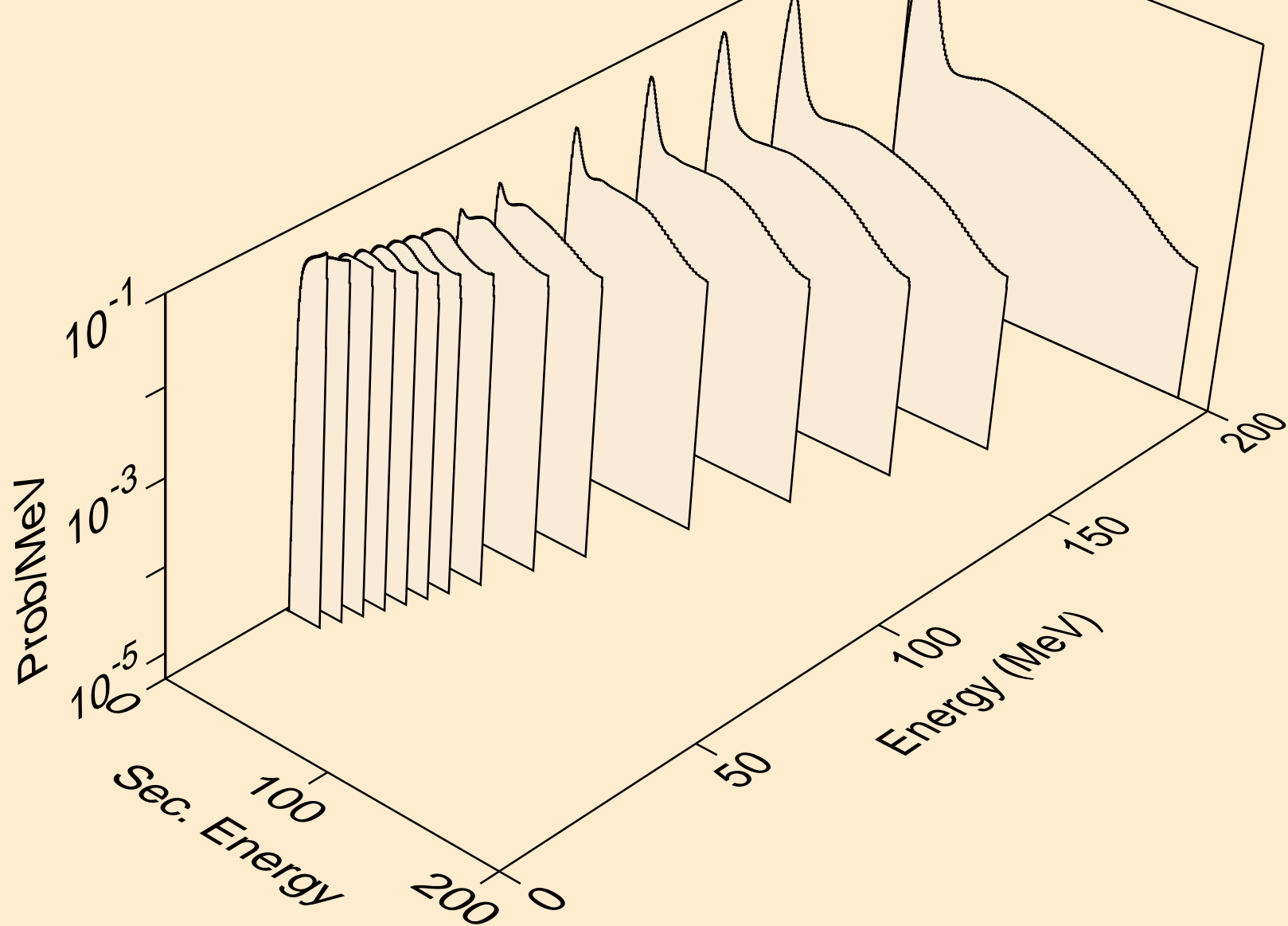




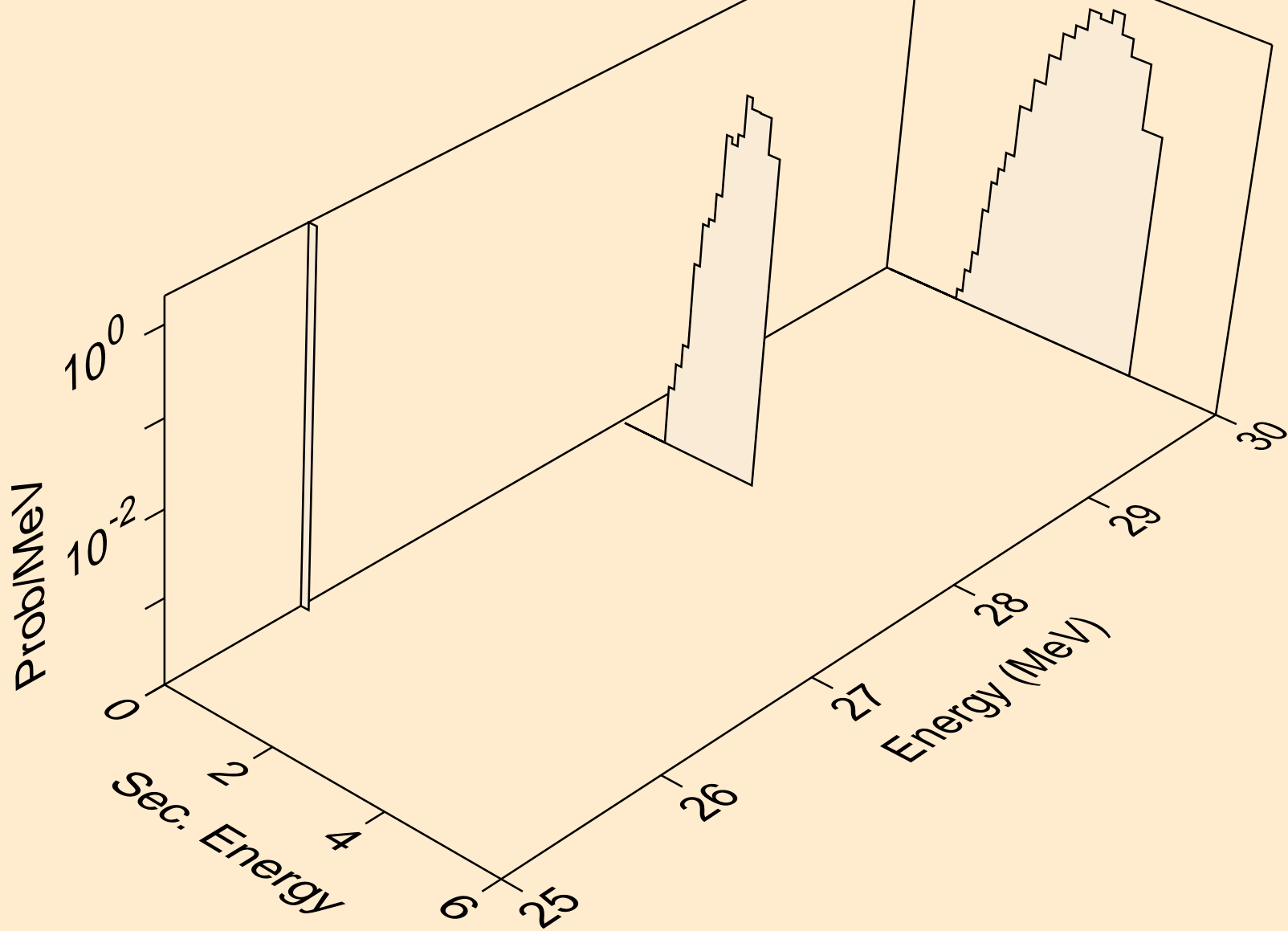
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protons from (n,pt)



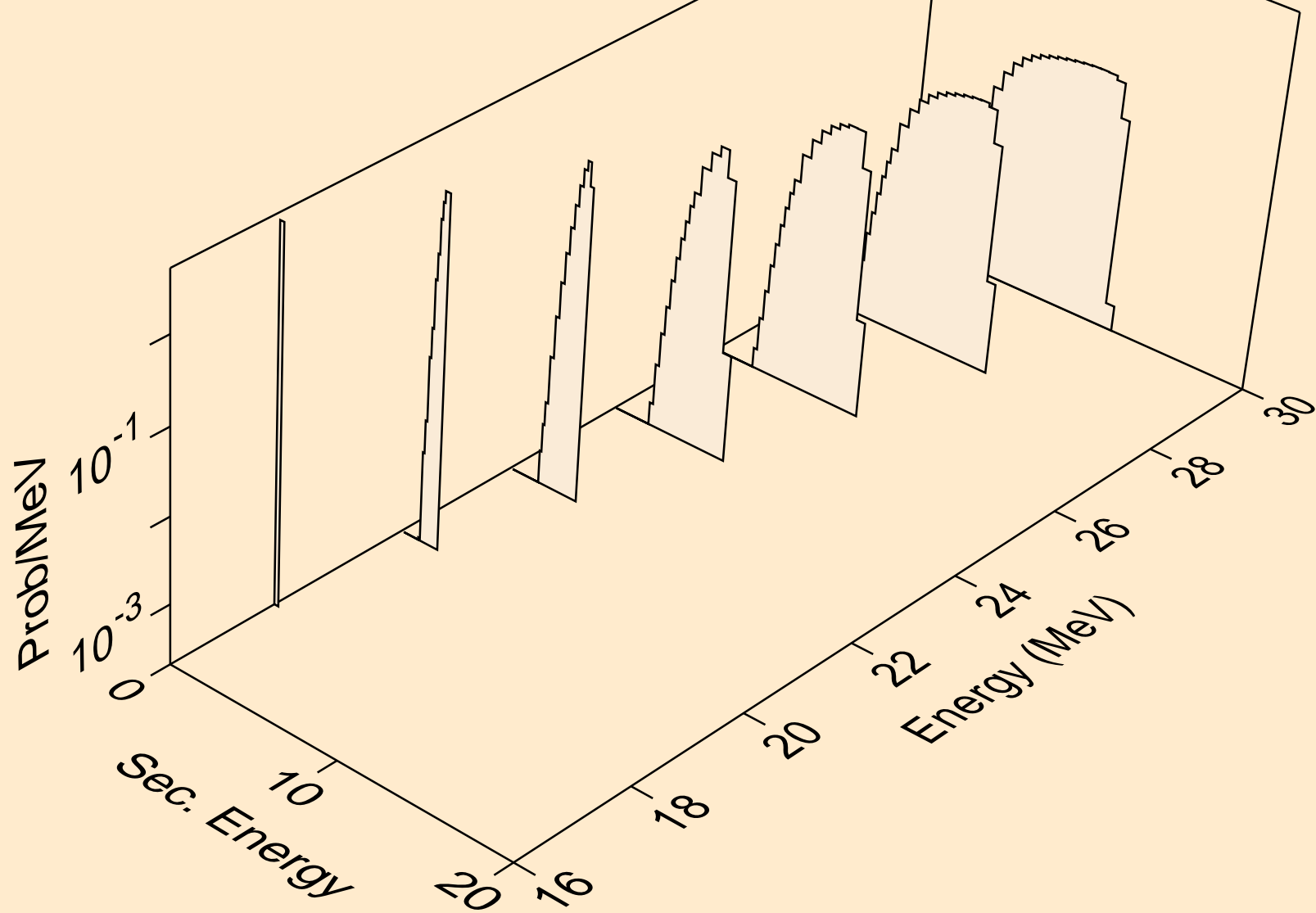
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deuterons from (n,x)



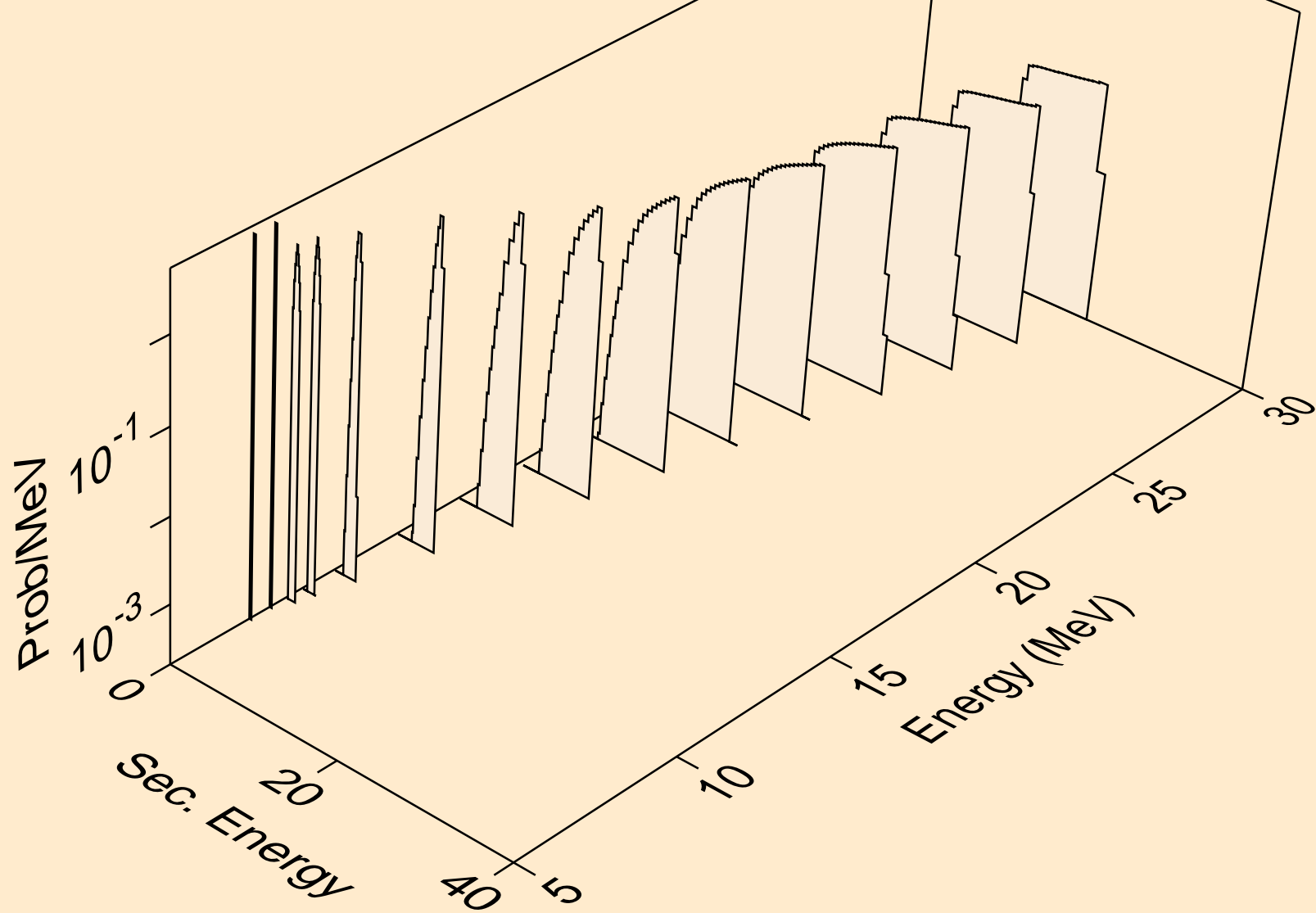
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deuterons from (n,2nd)



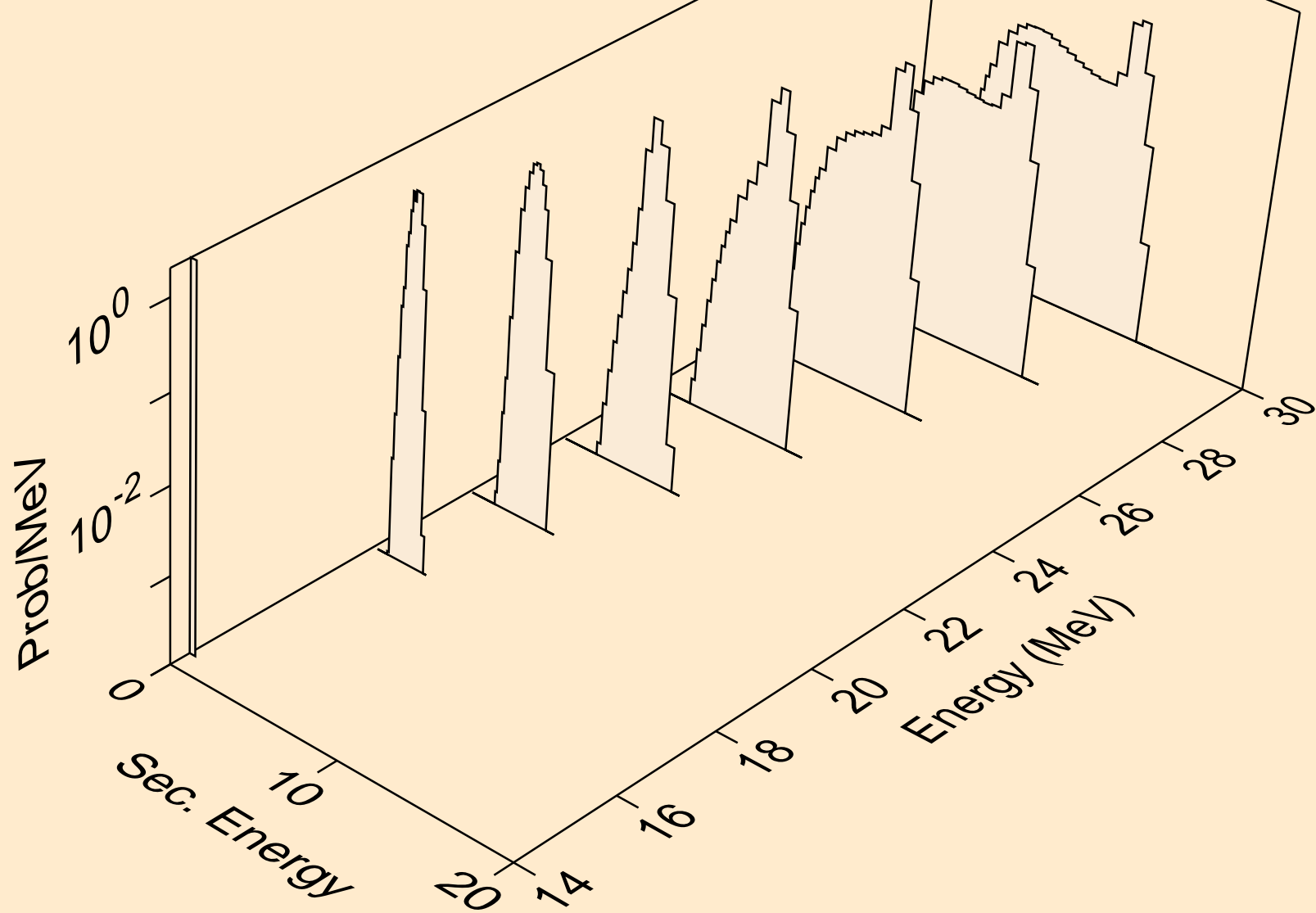
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deuterons from (n,n\*)d



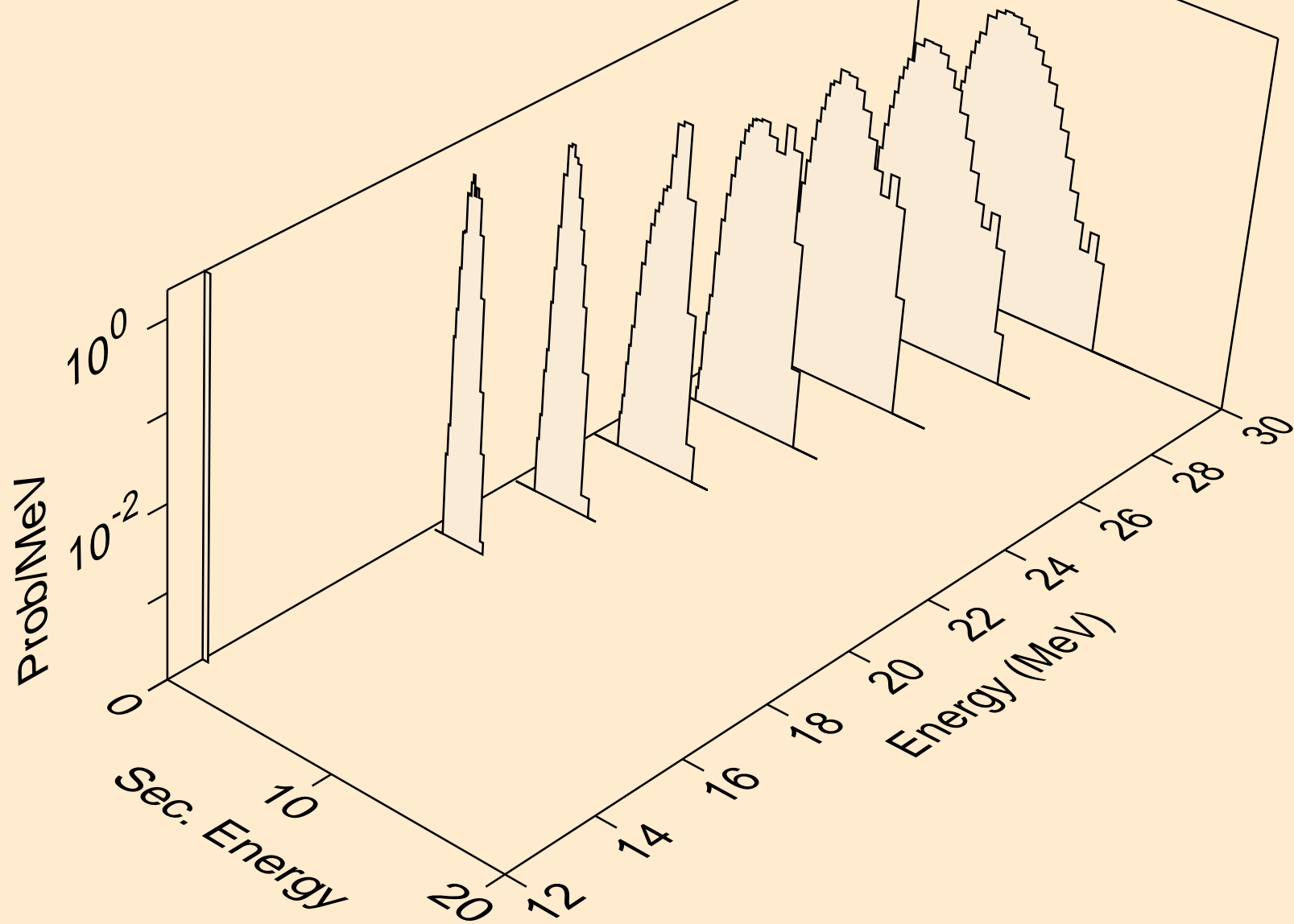
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deuterons from (n,d)



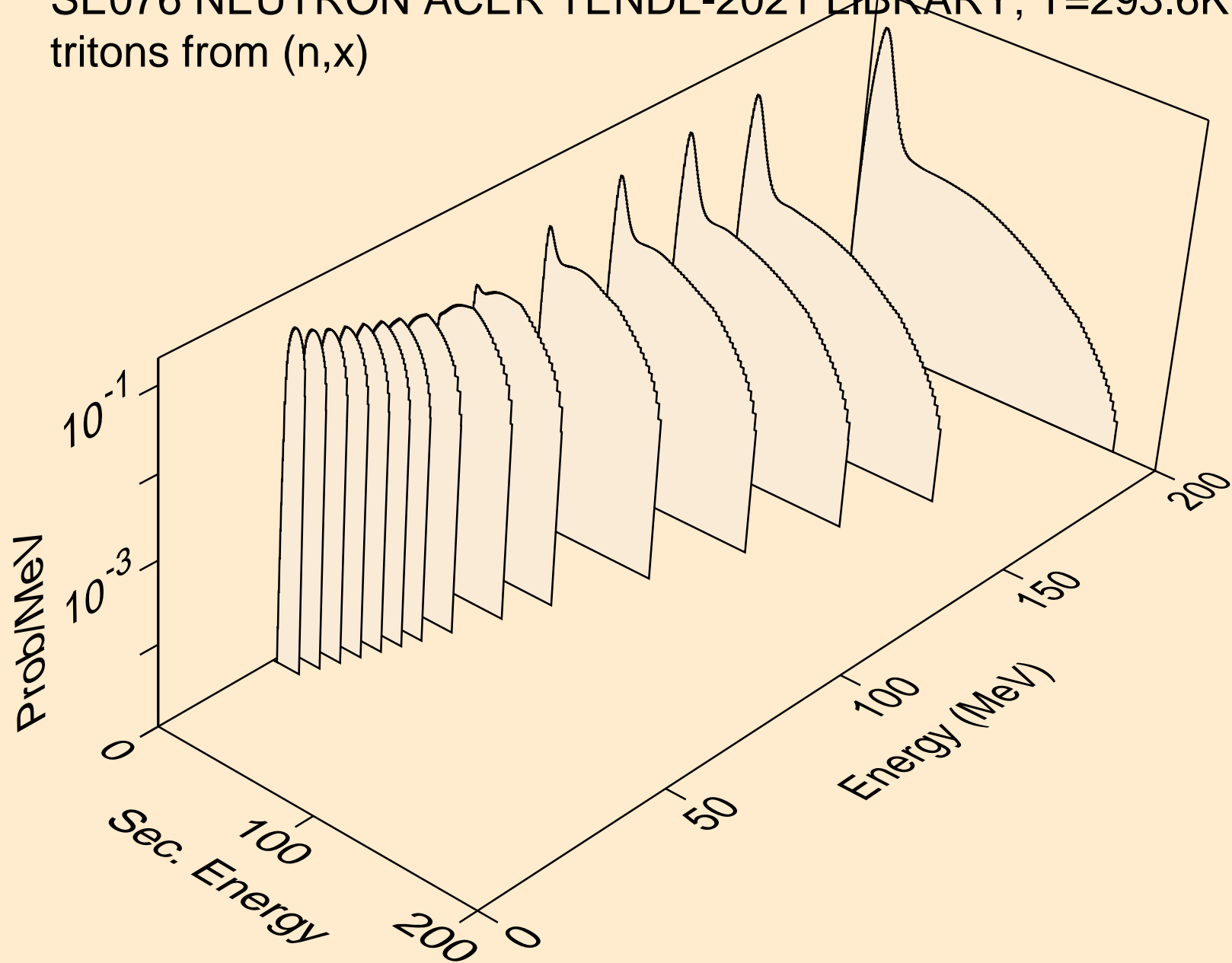
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,pd)



SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,da)

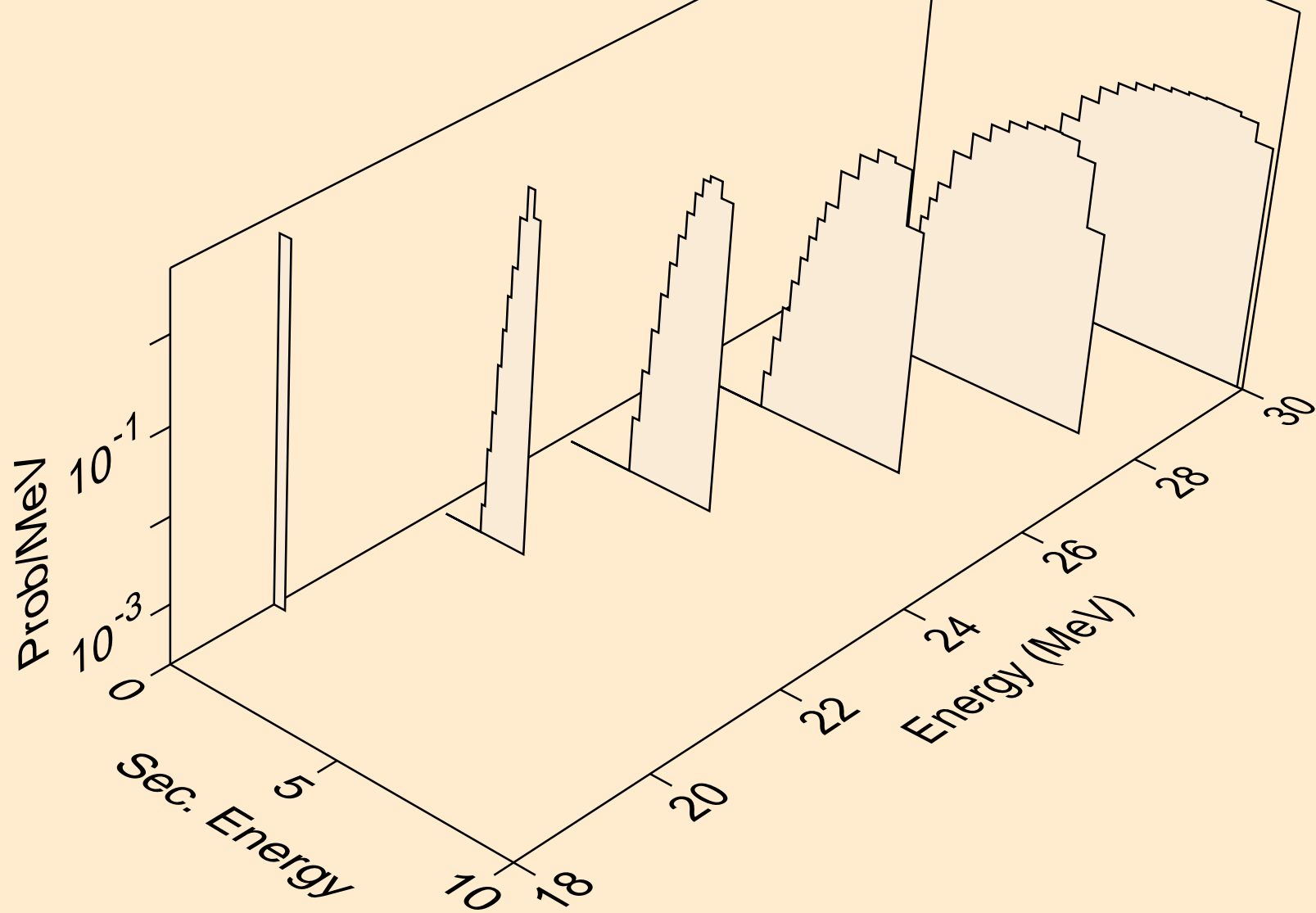


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tritons from (n,x)

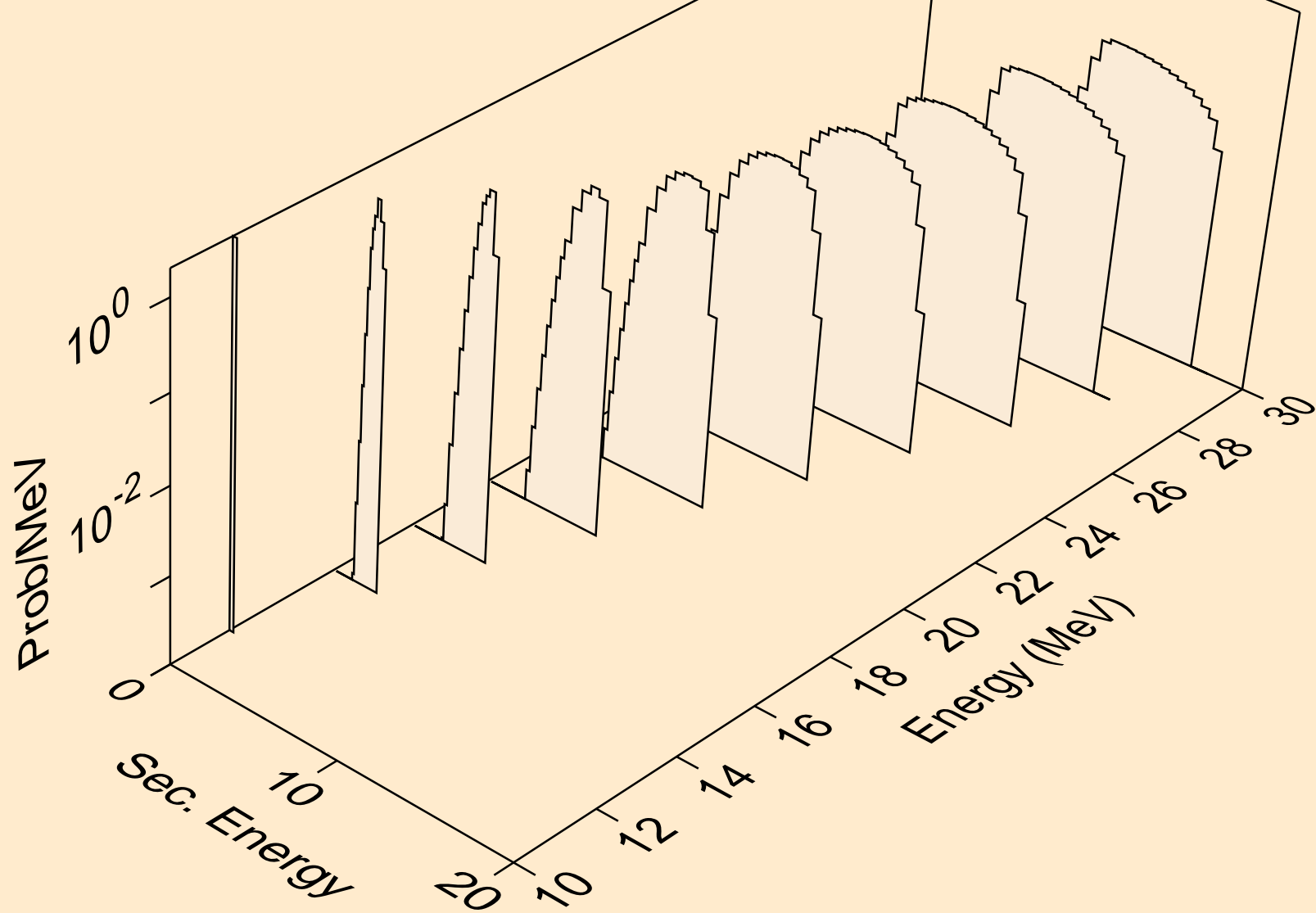




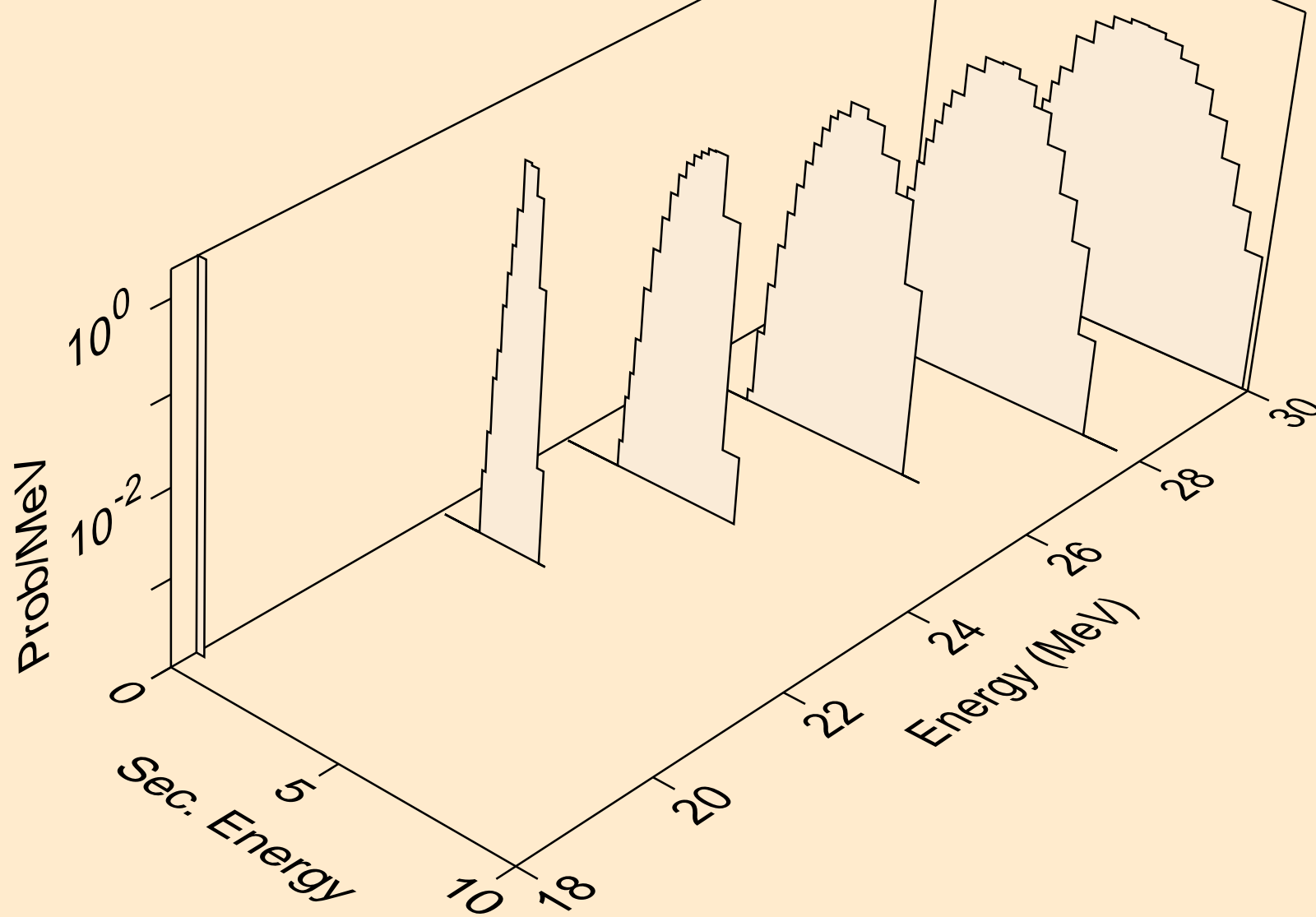
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tritons from (n,n\*)t



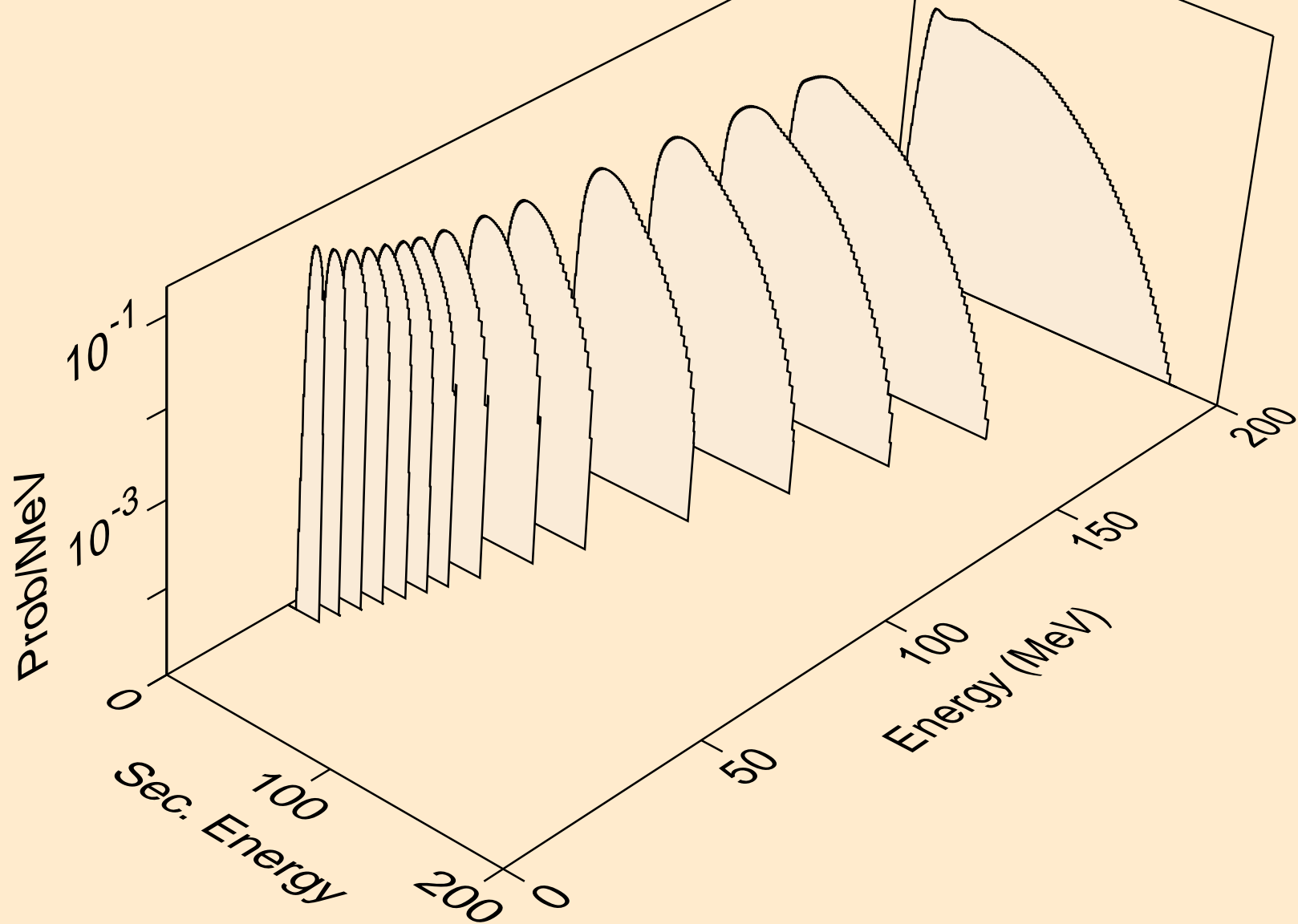
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tritons from (n,t)



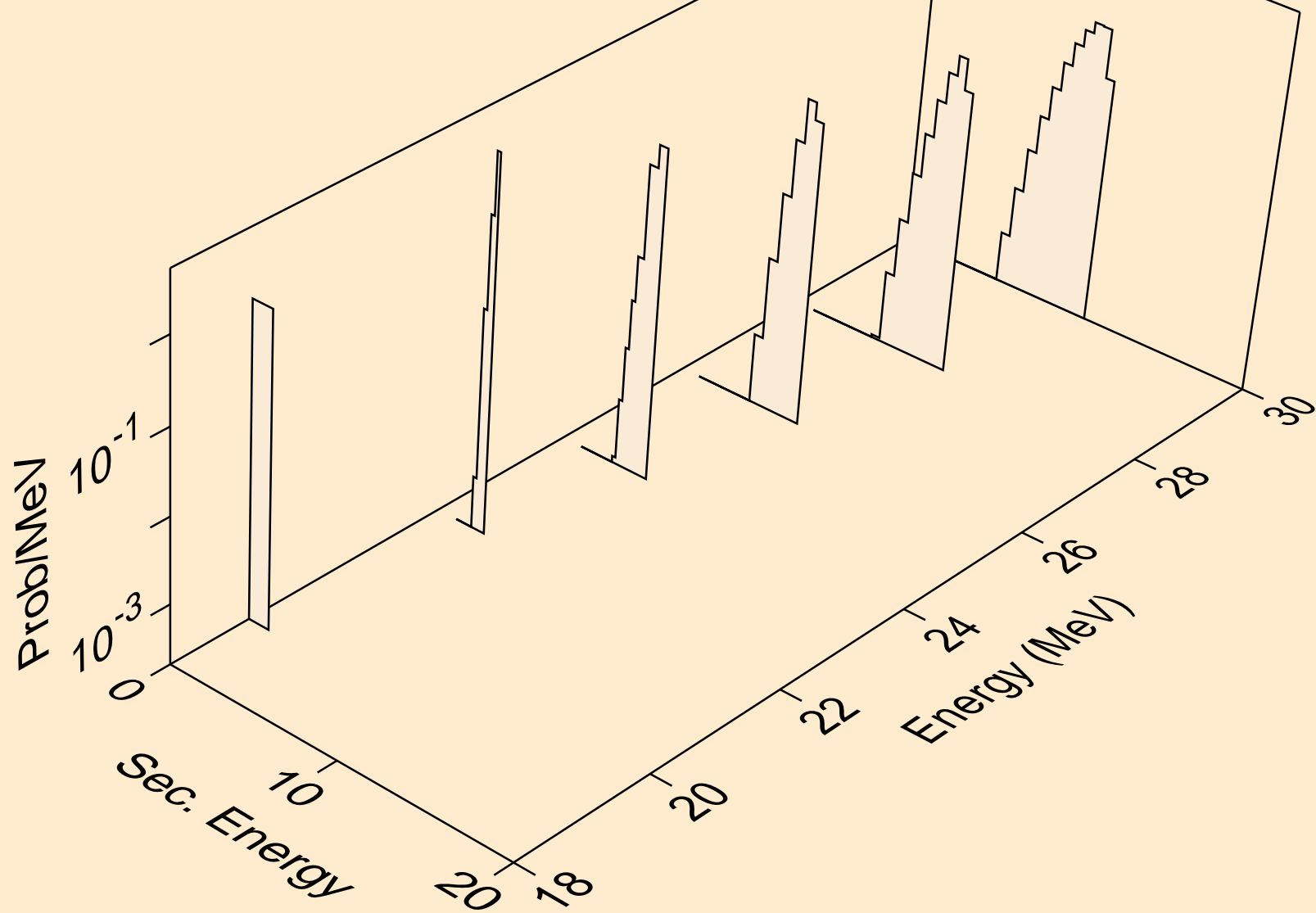
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tritons from (n,pt)



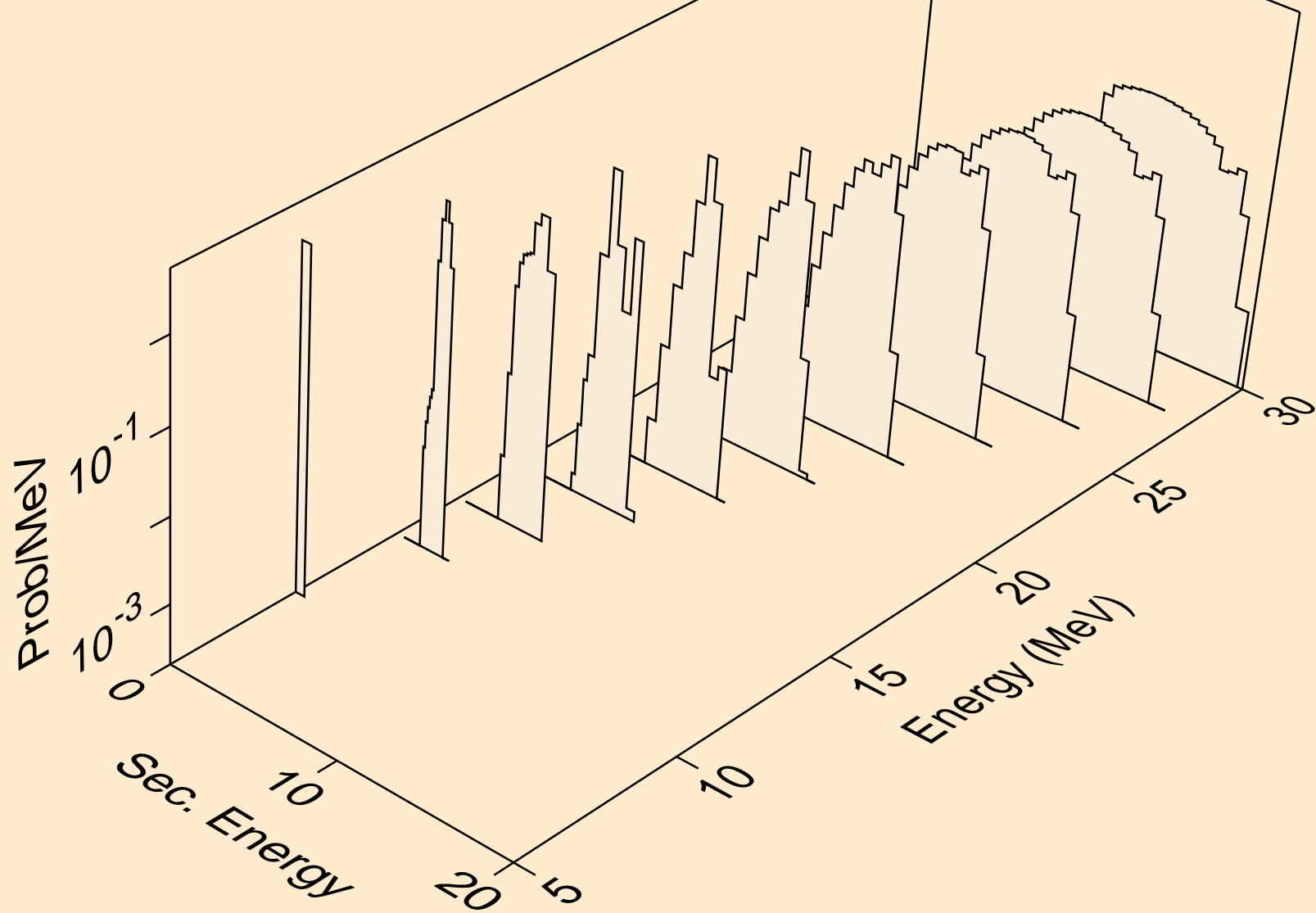
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)



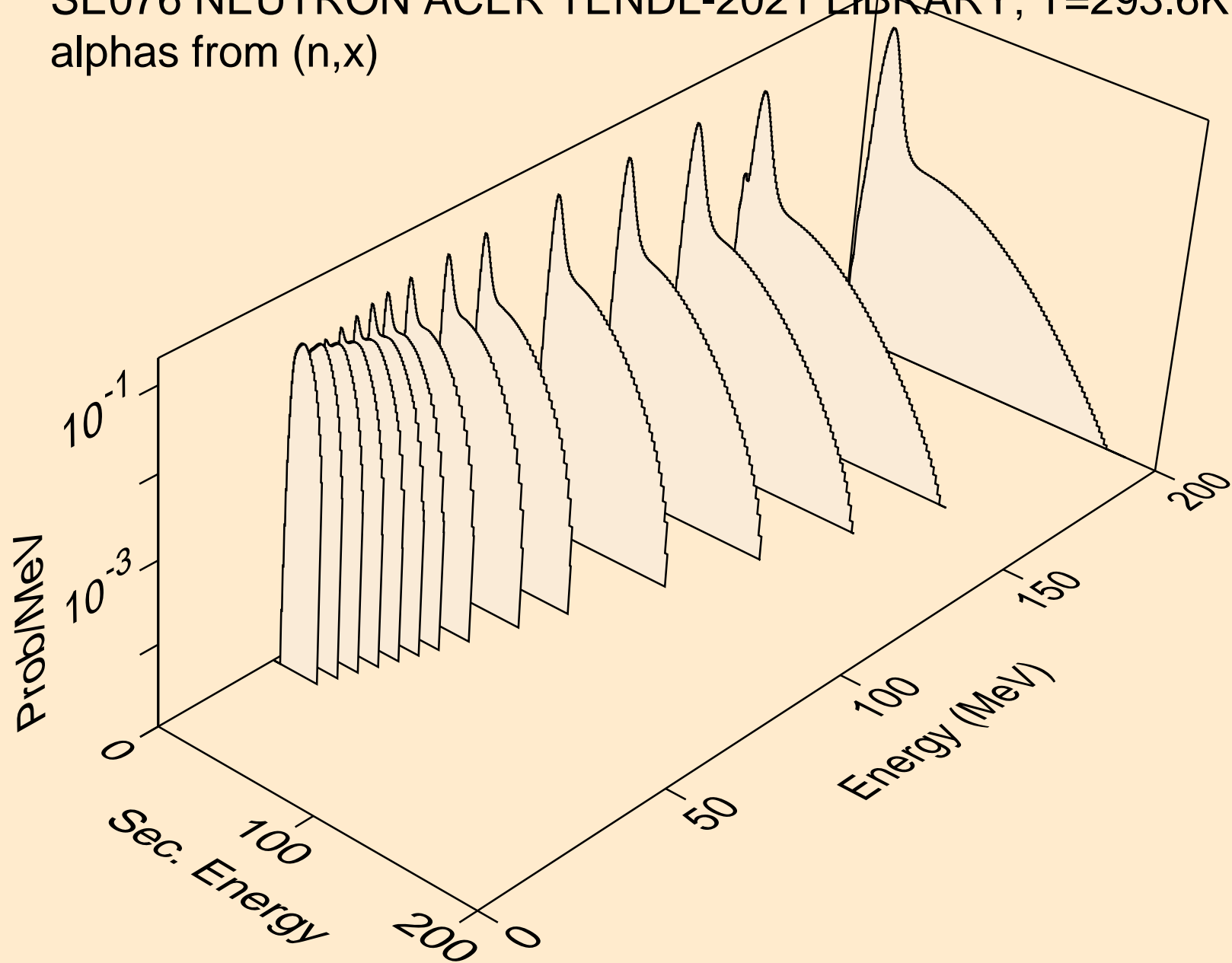
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,n\*)he3



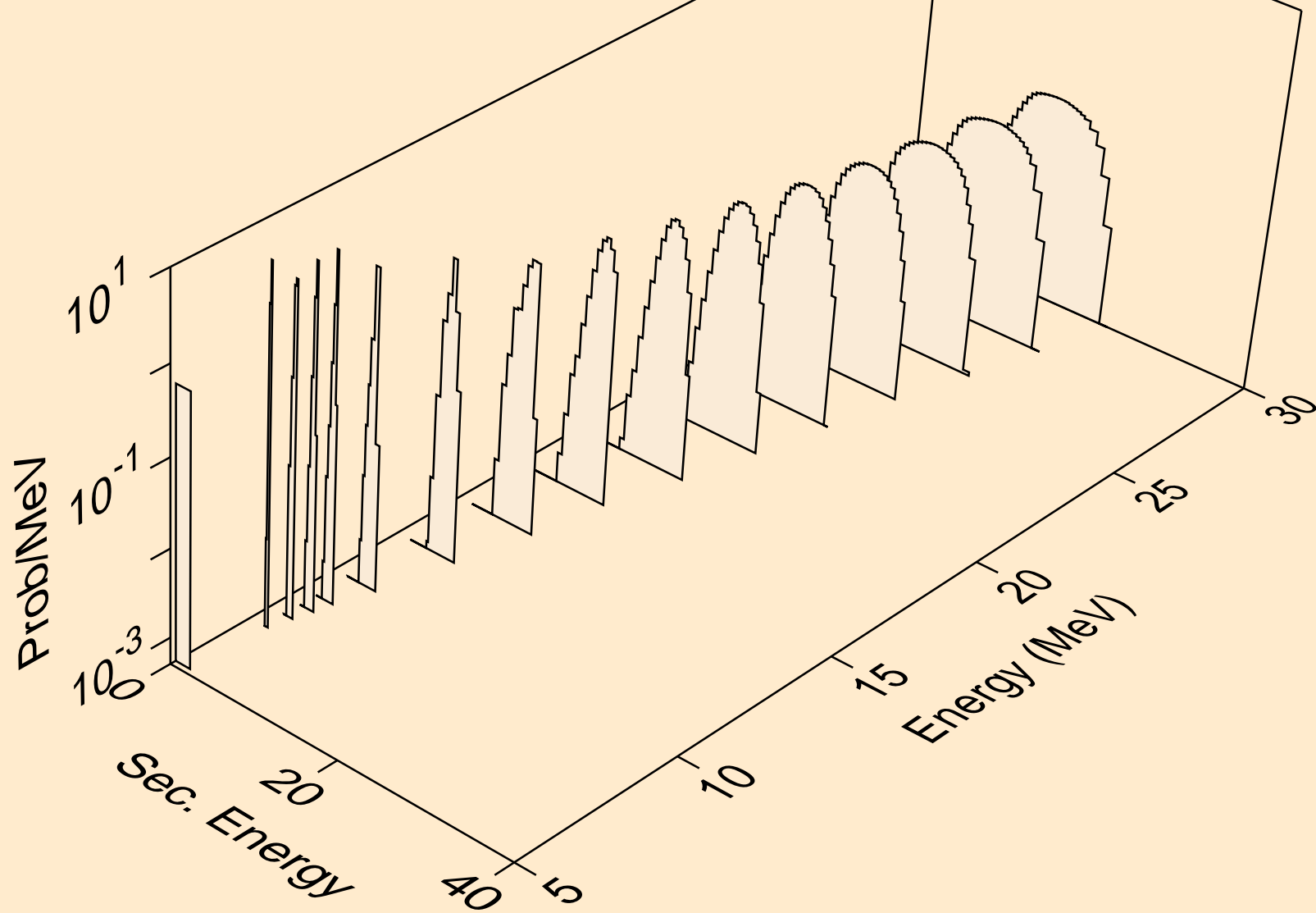
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,he3)



SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)

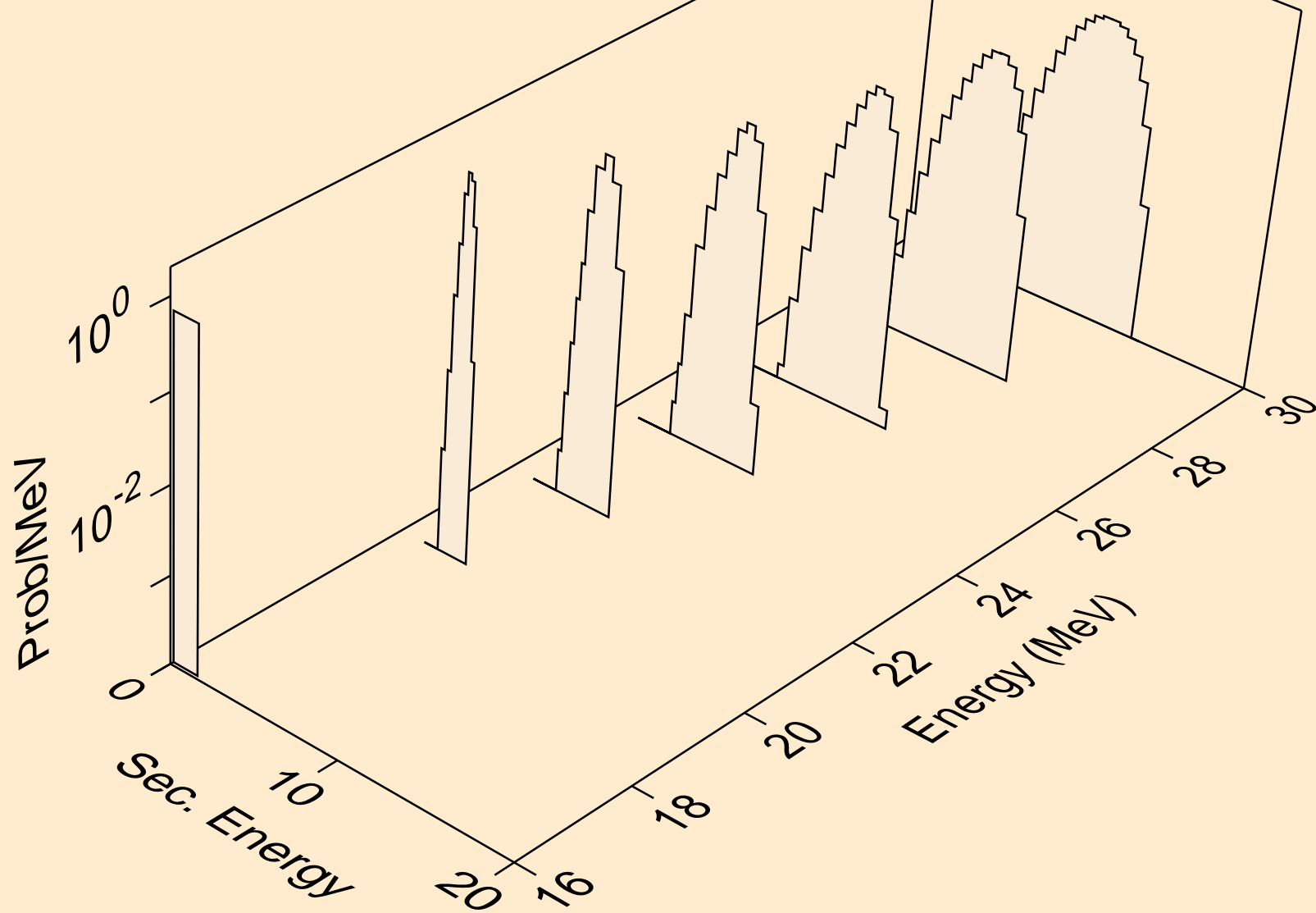


SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a

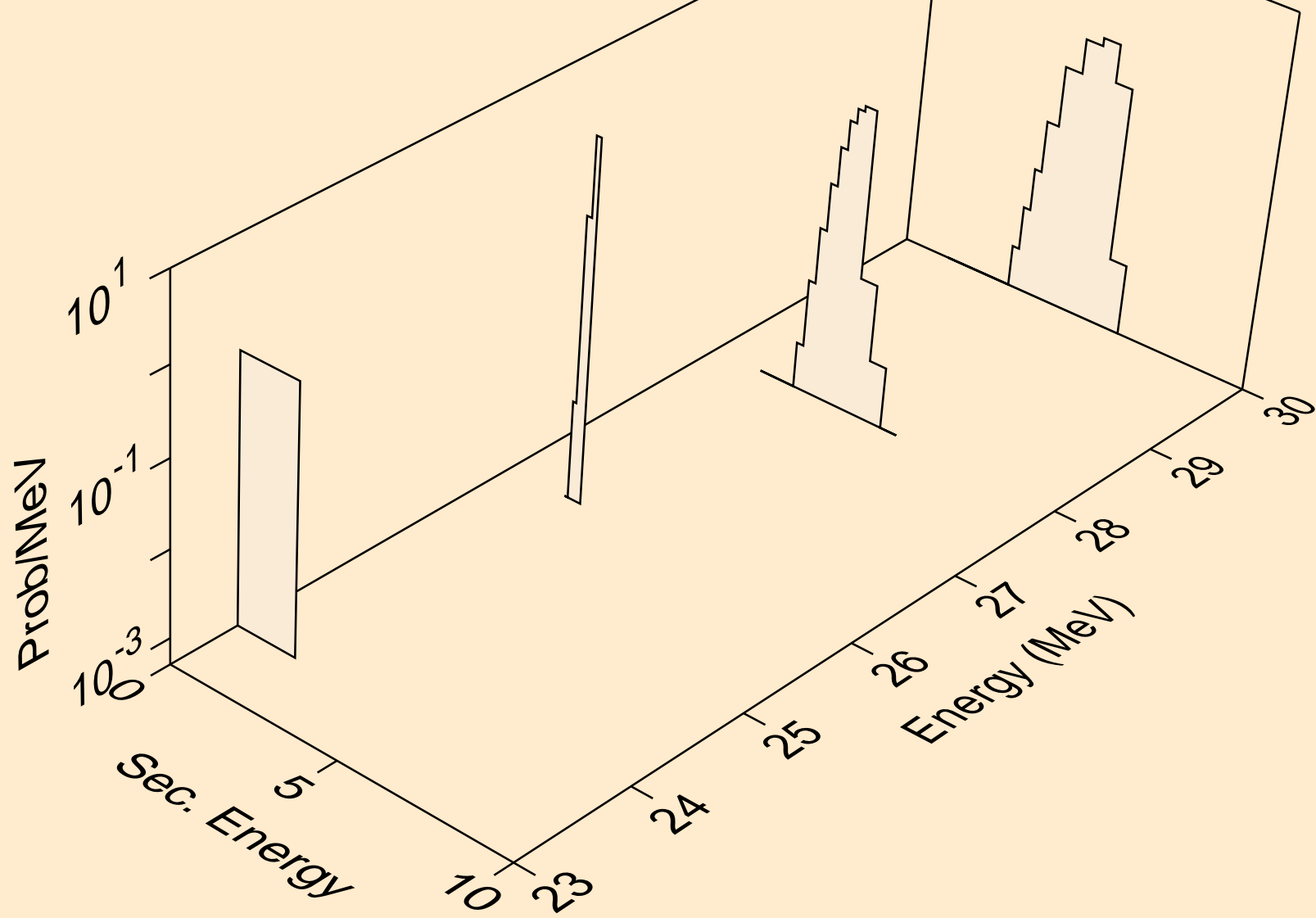




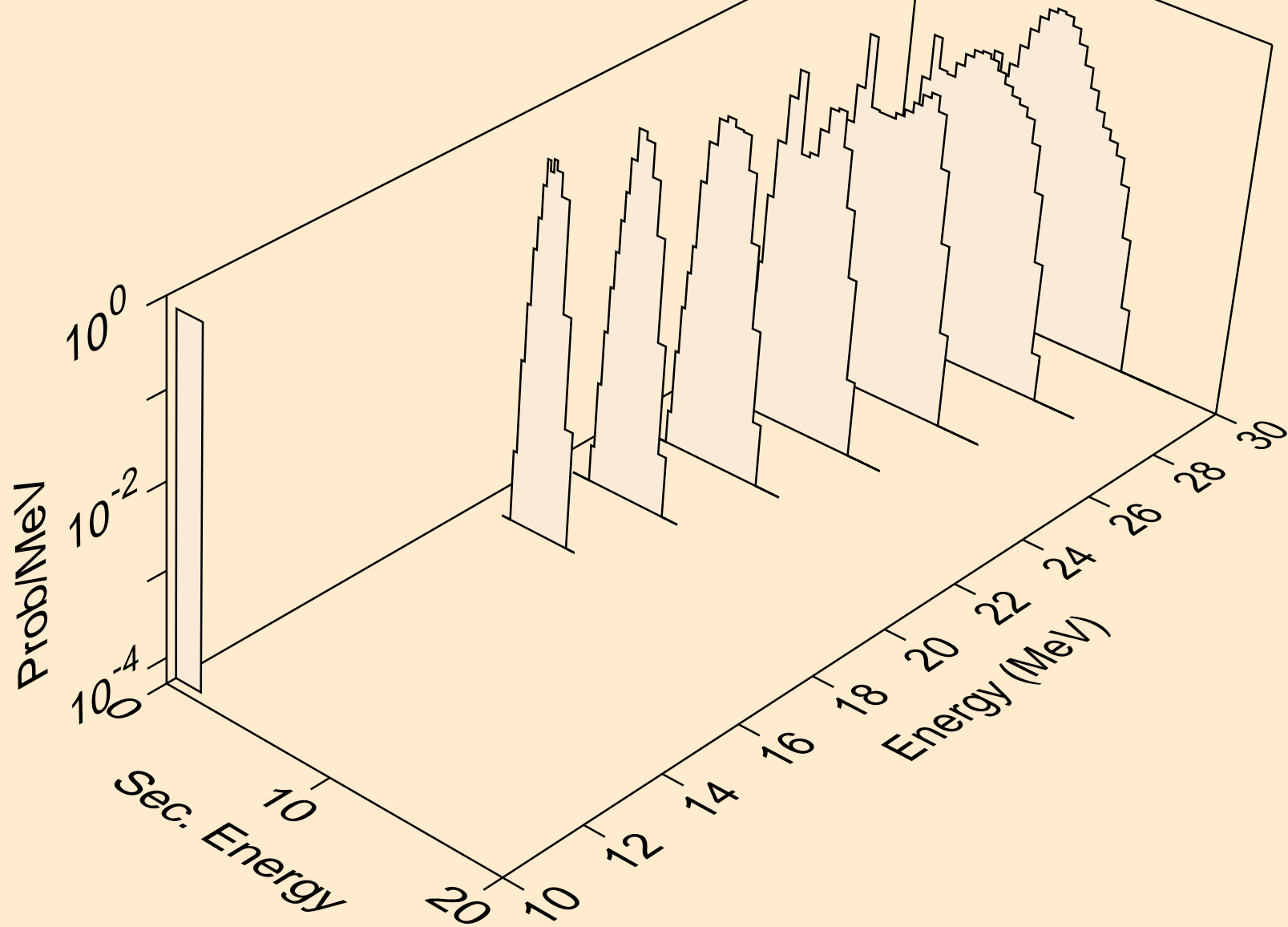
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a



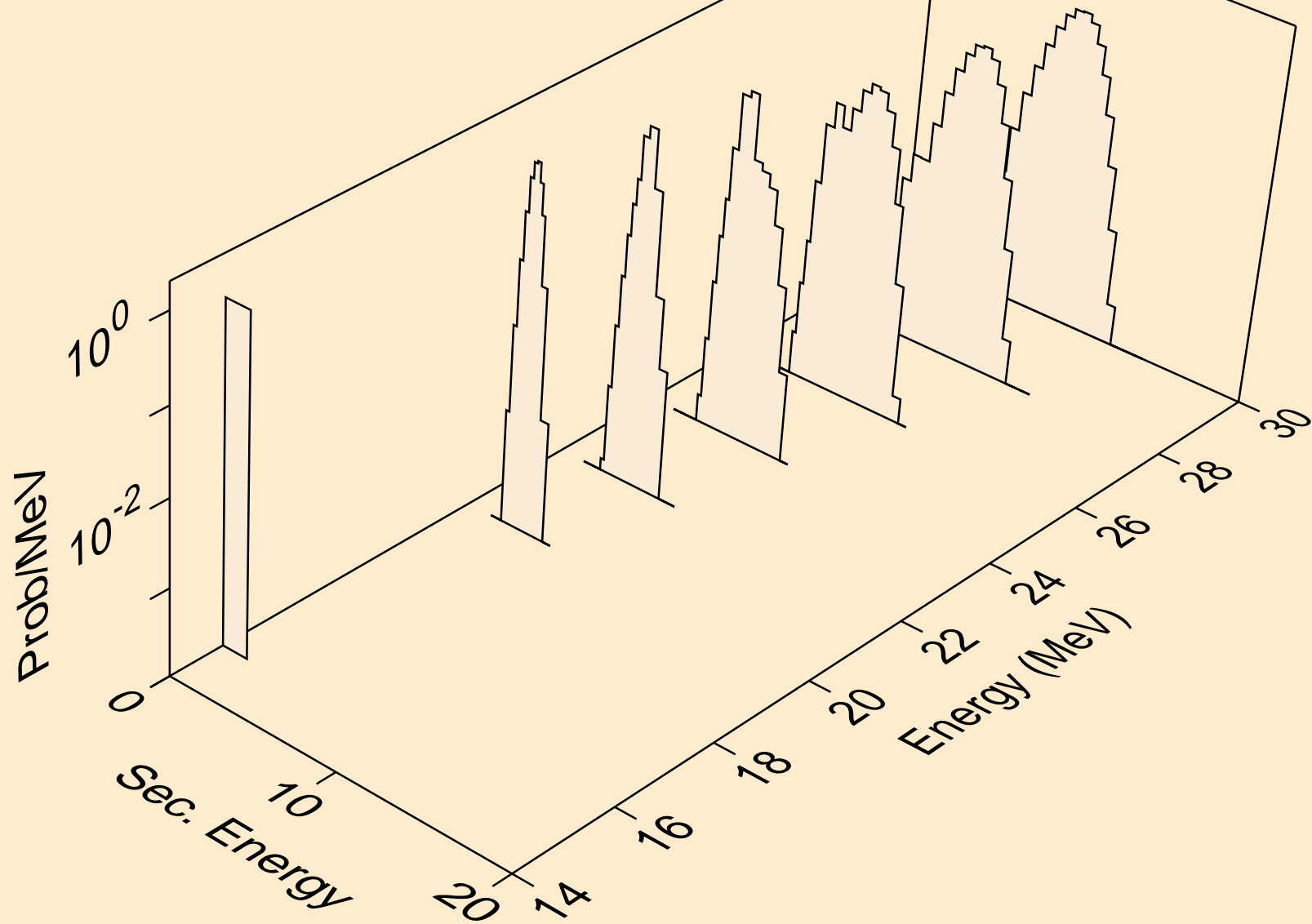
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3n)a



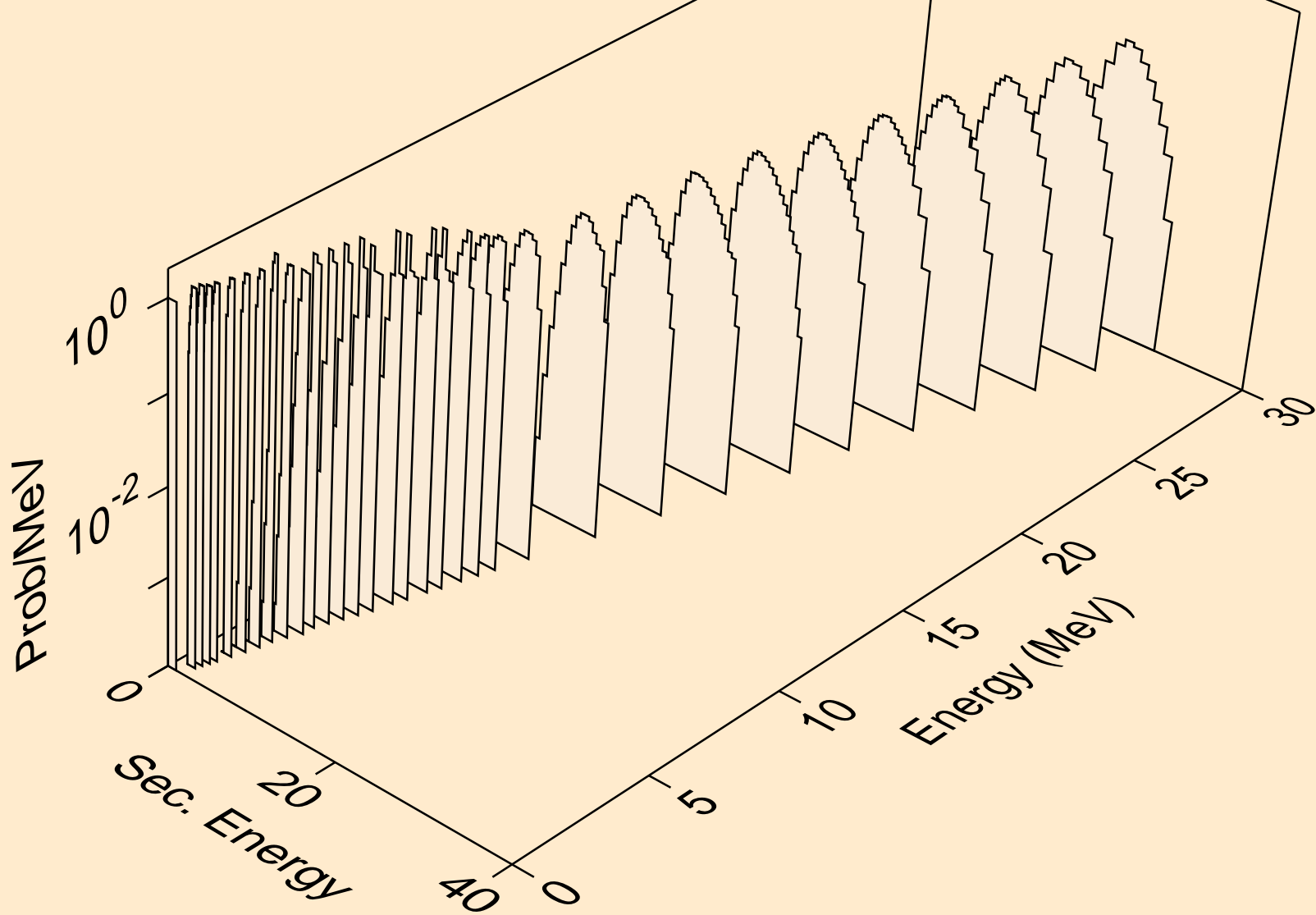
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)2a



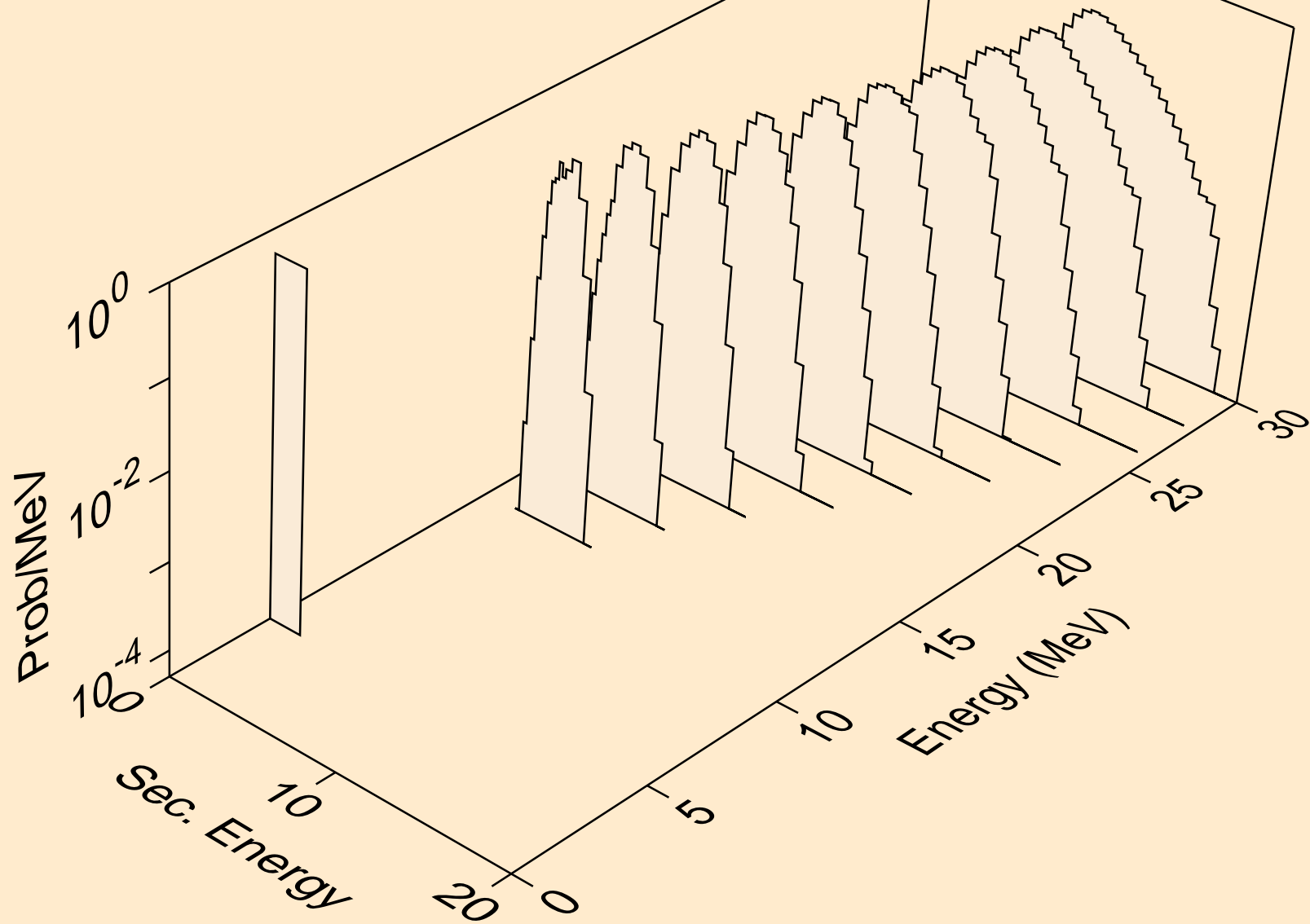
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)



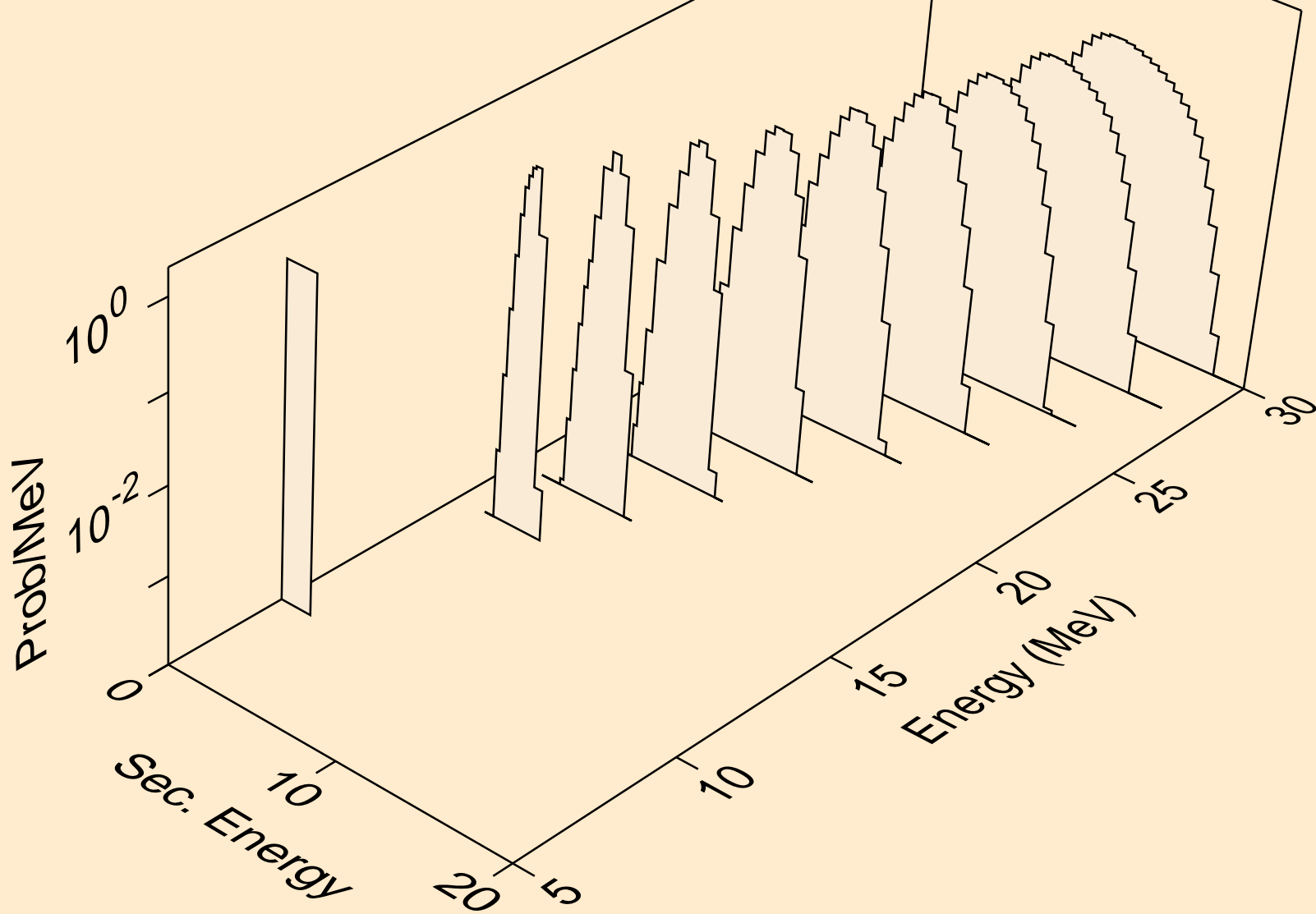
SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)



SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)



SE076 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

