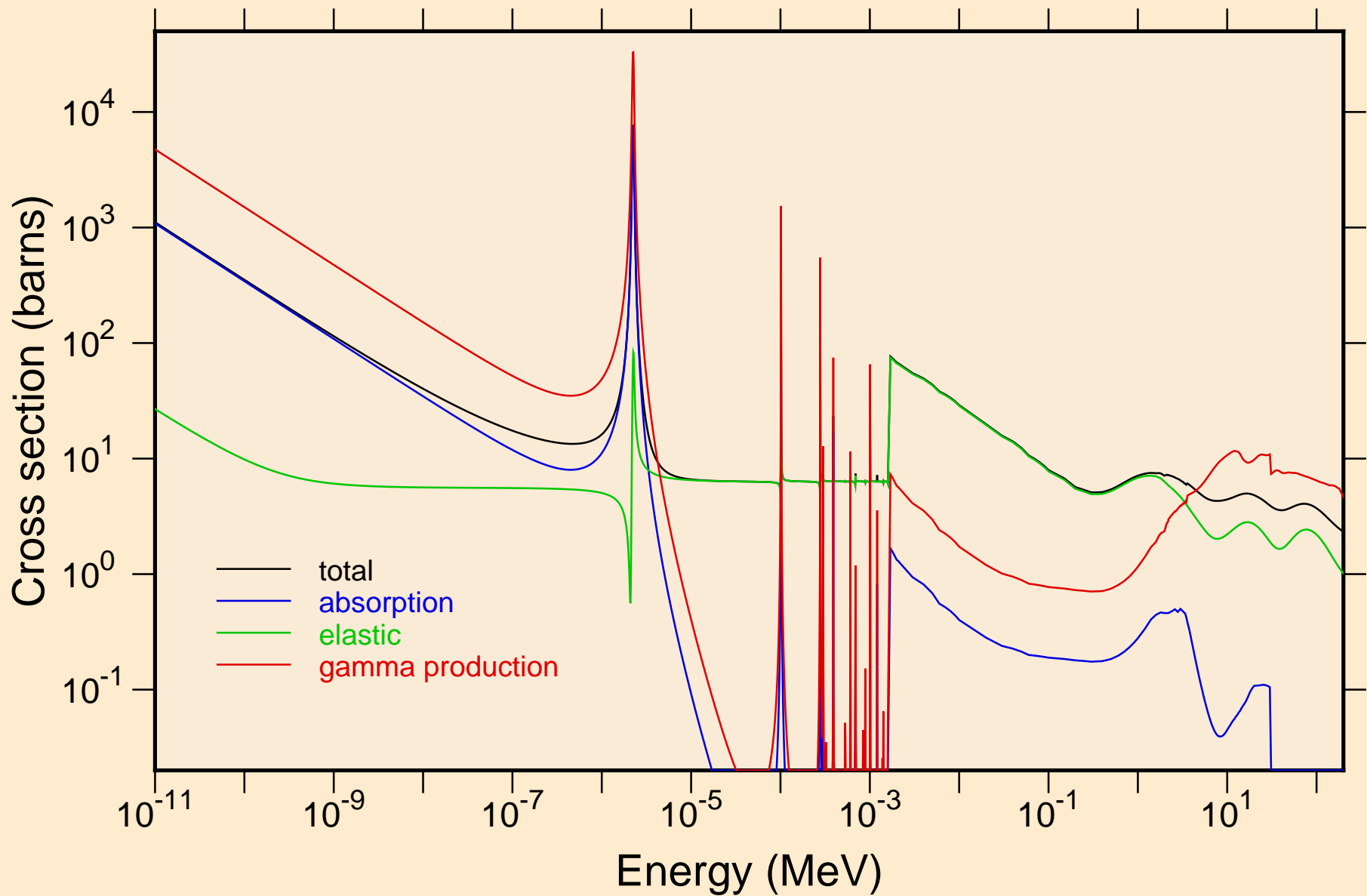
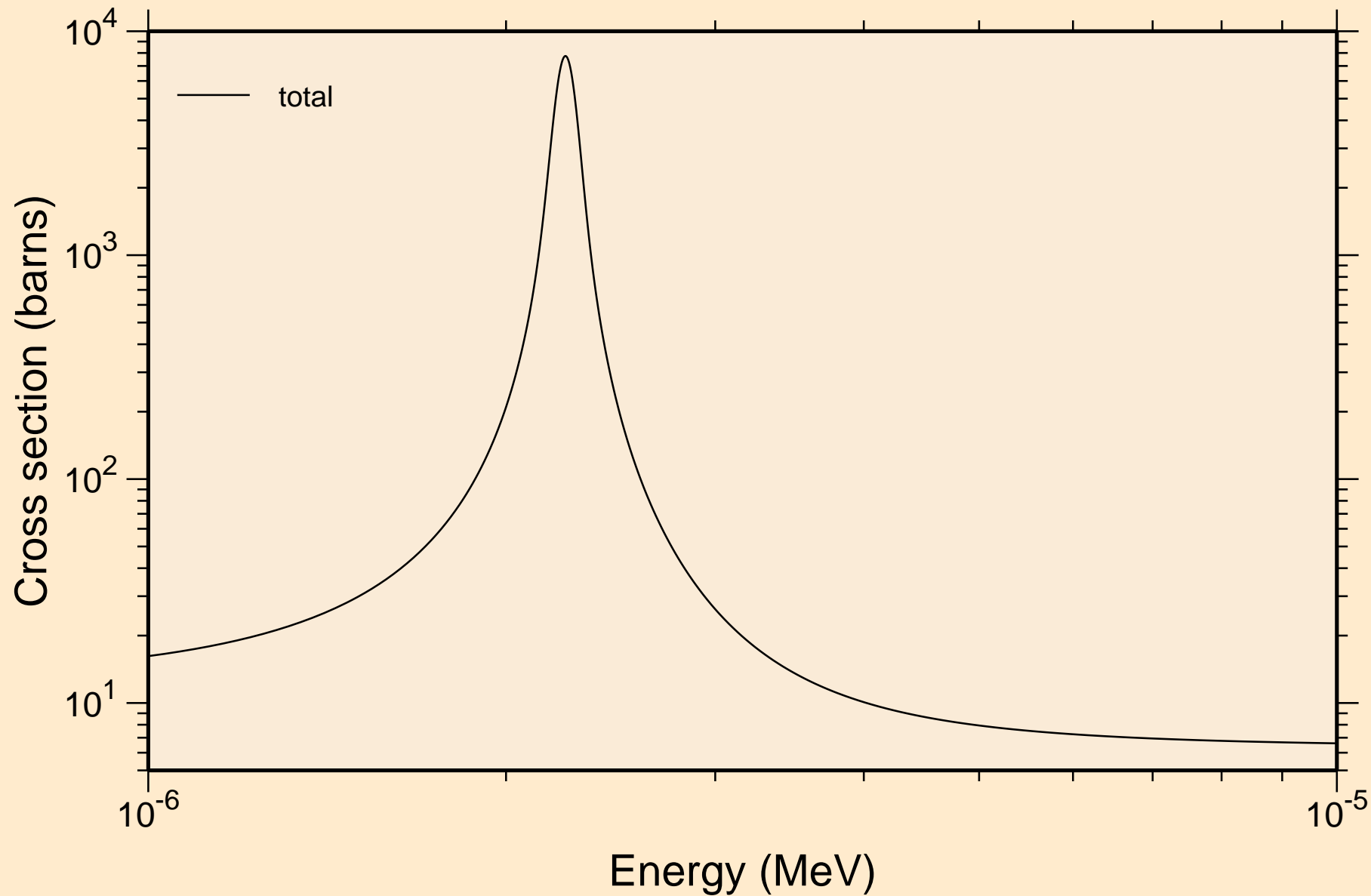


# GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

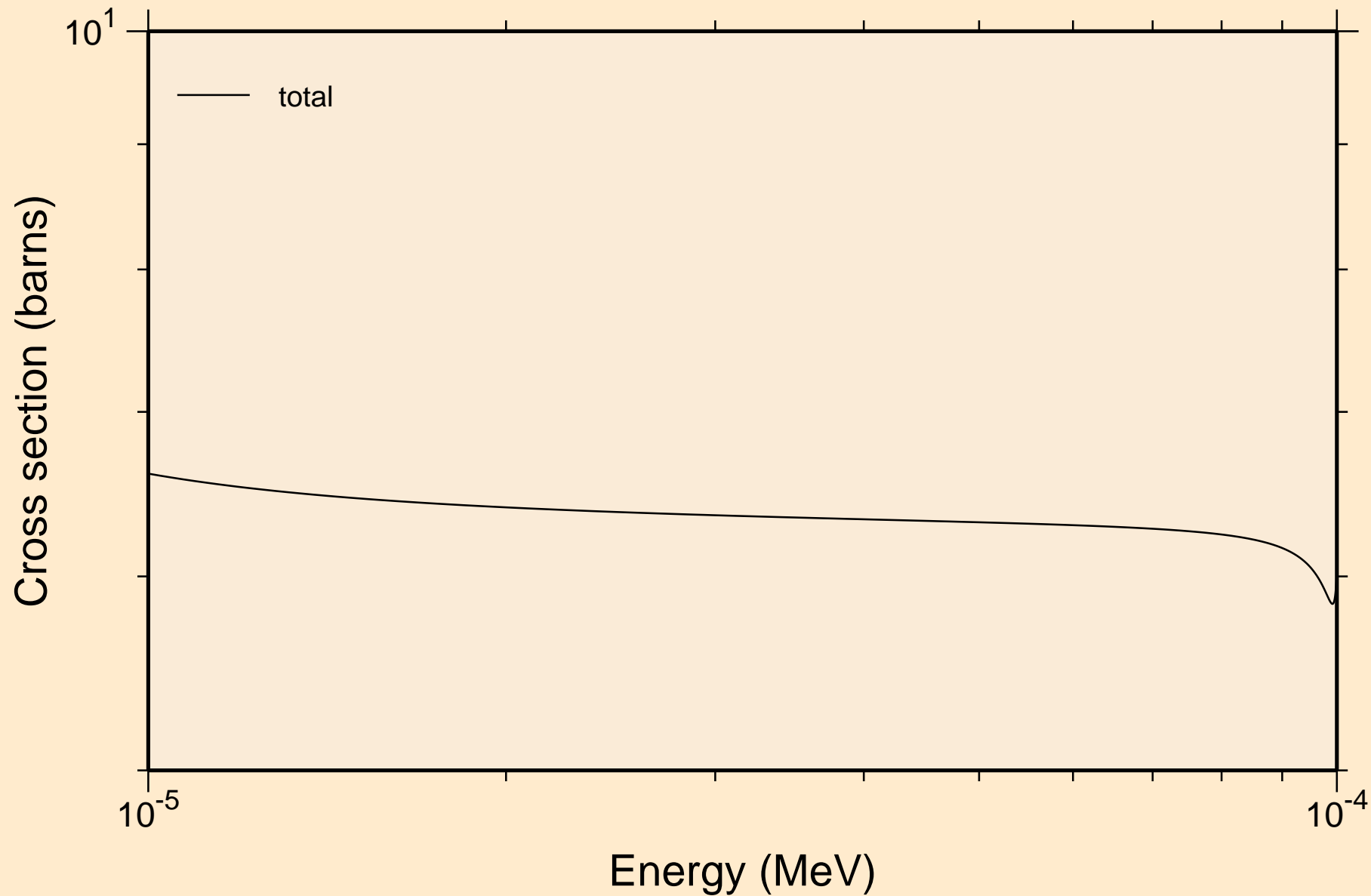
## Principal cross sections



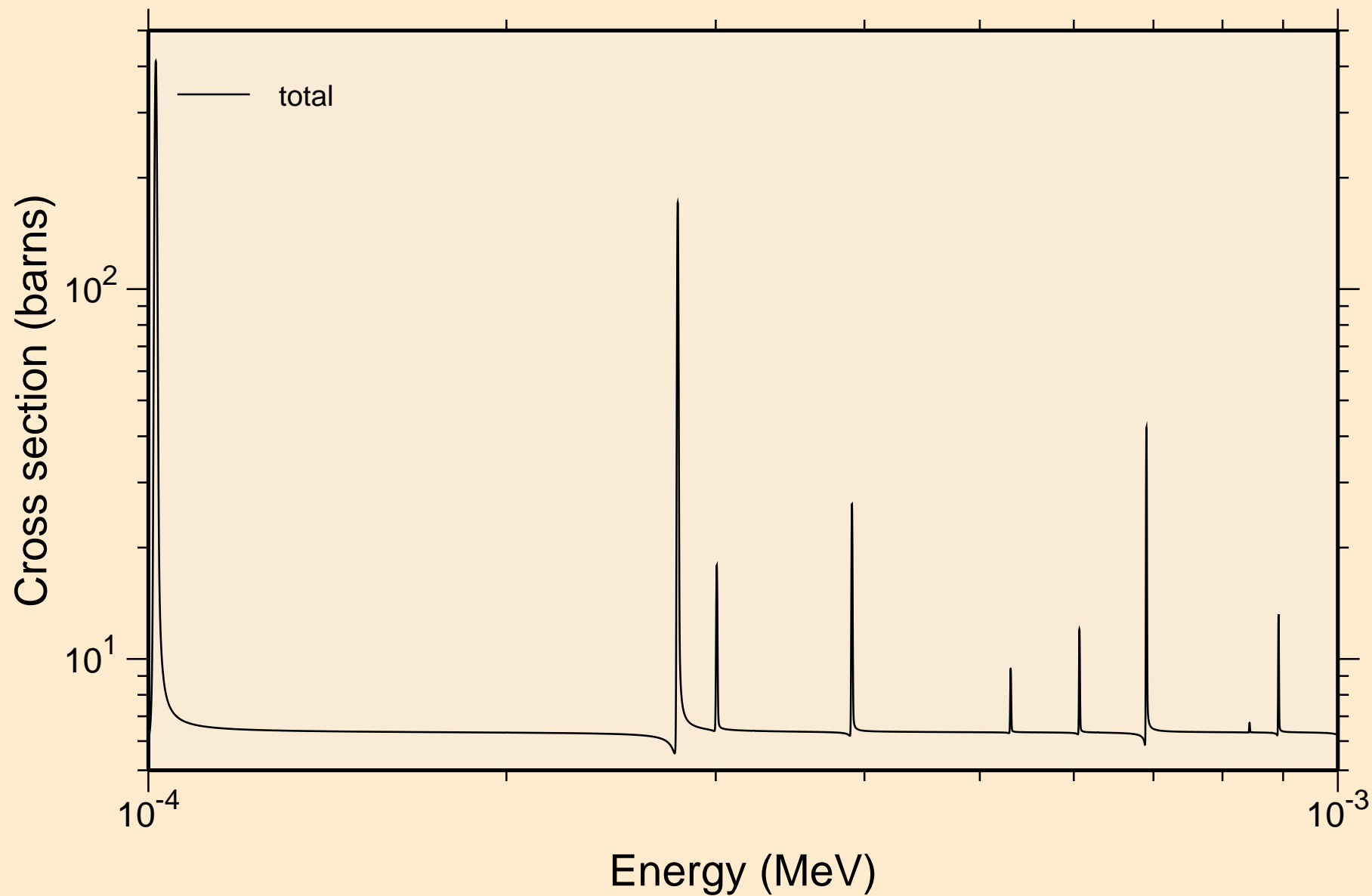
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



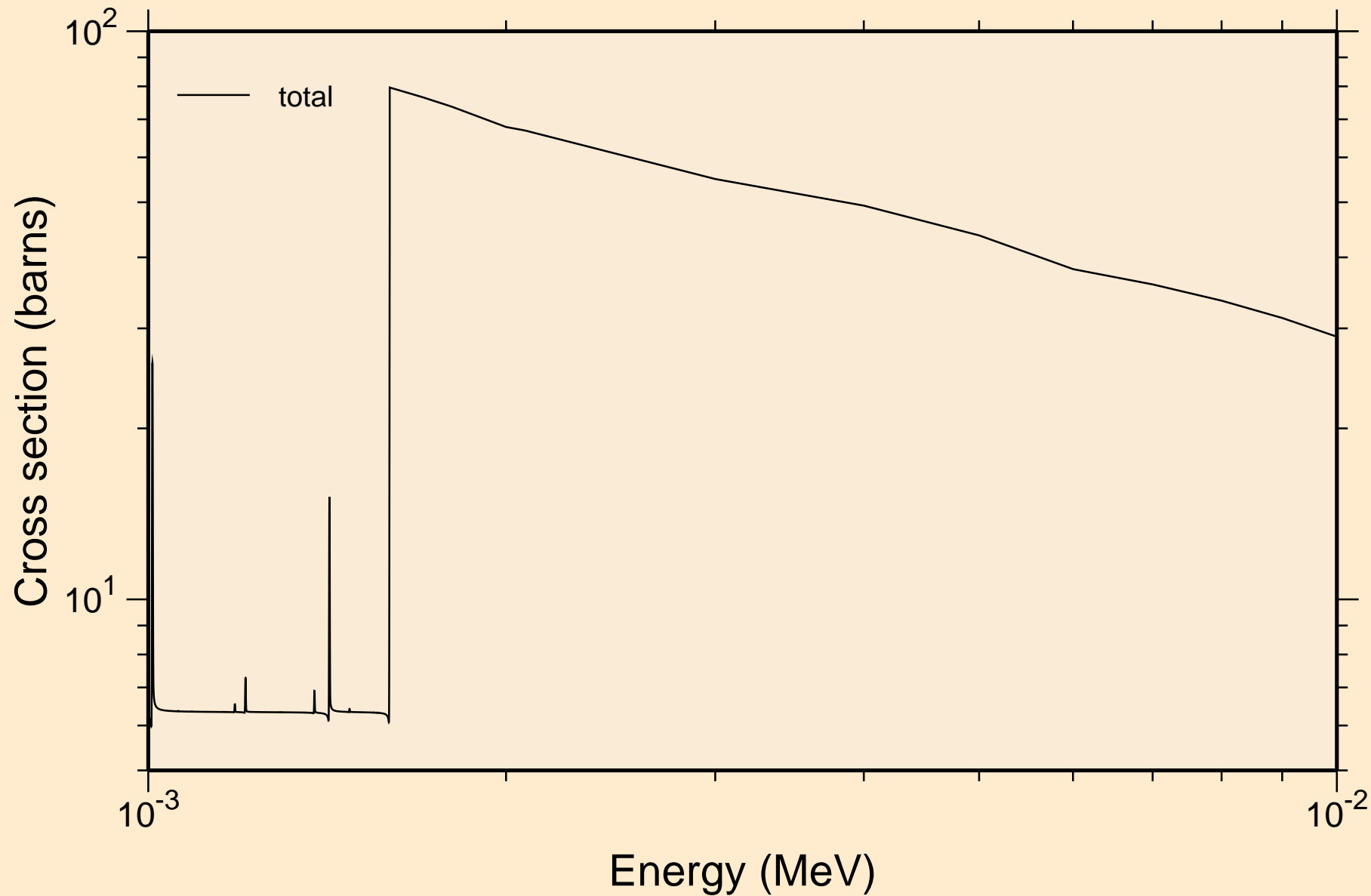
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



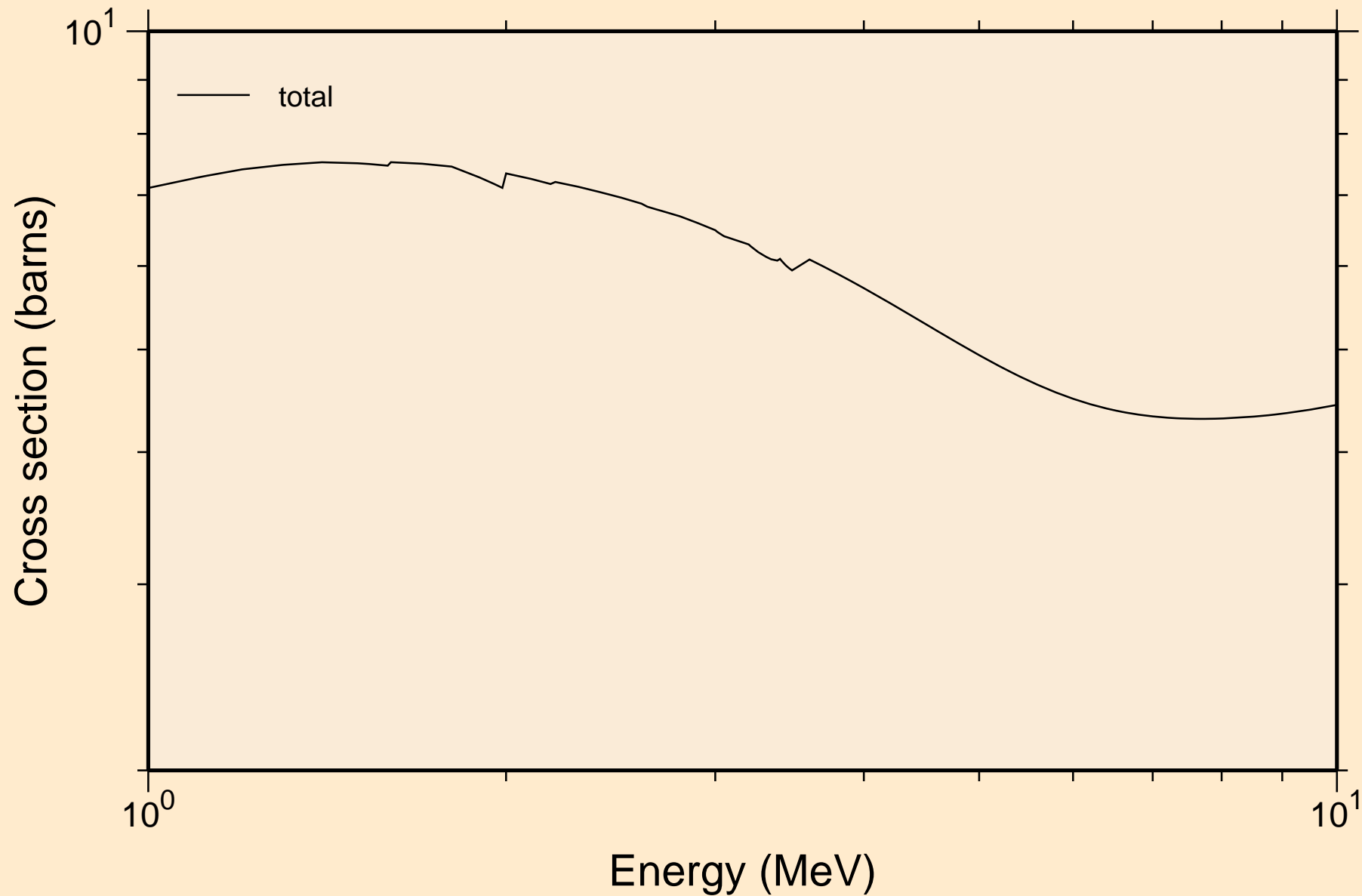
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



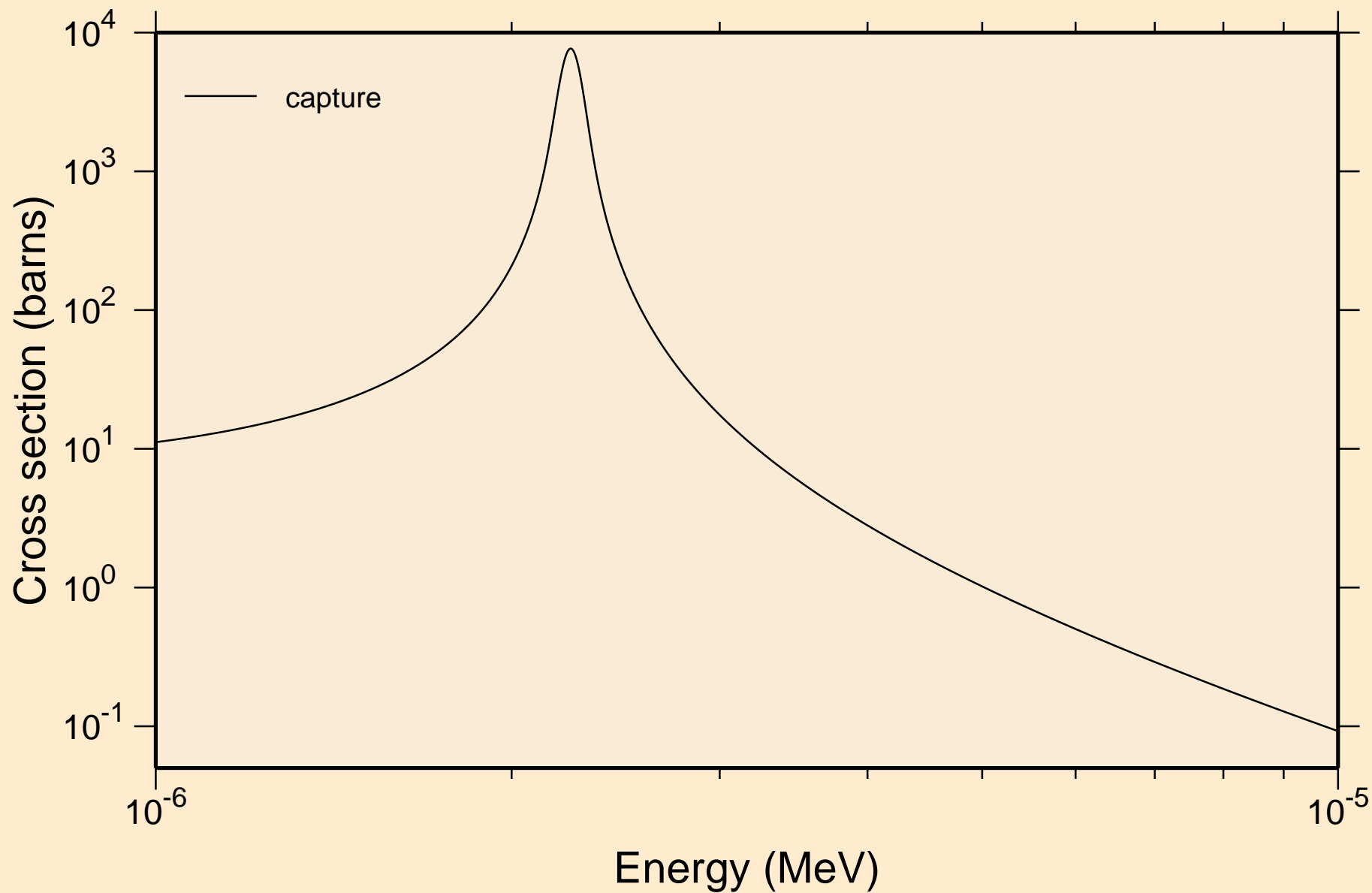
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



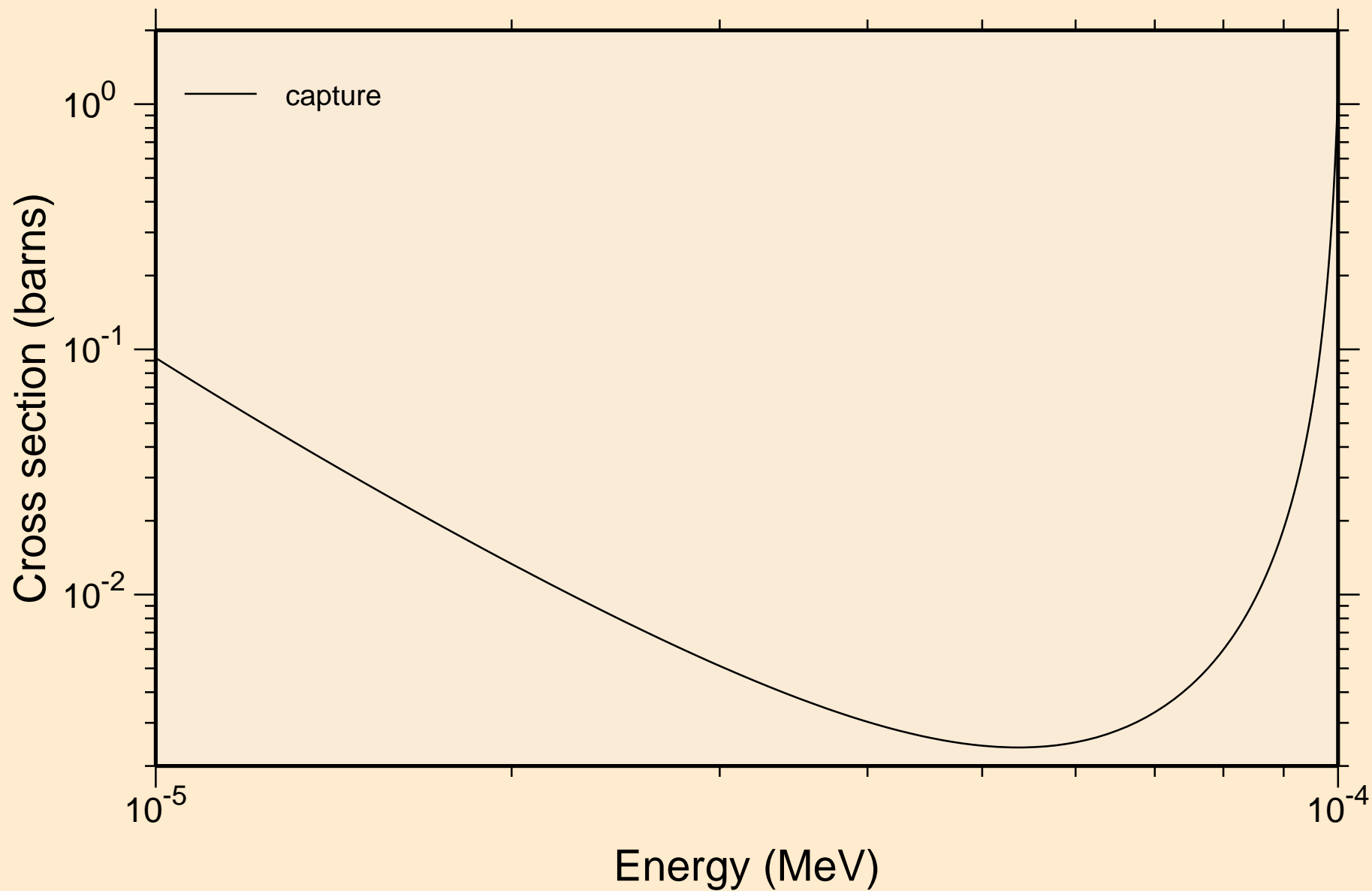
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

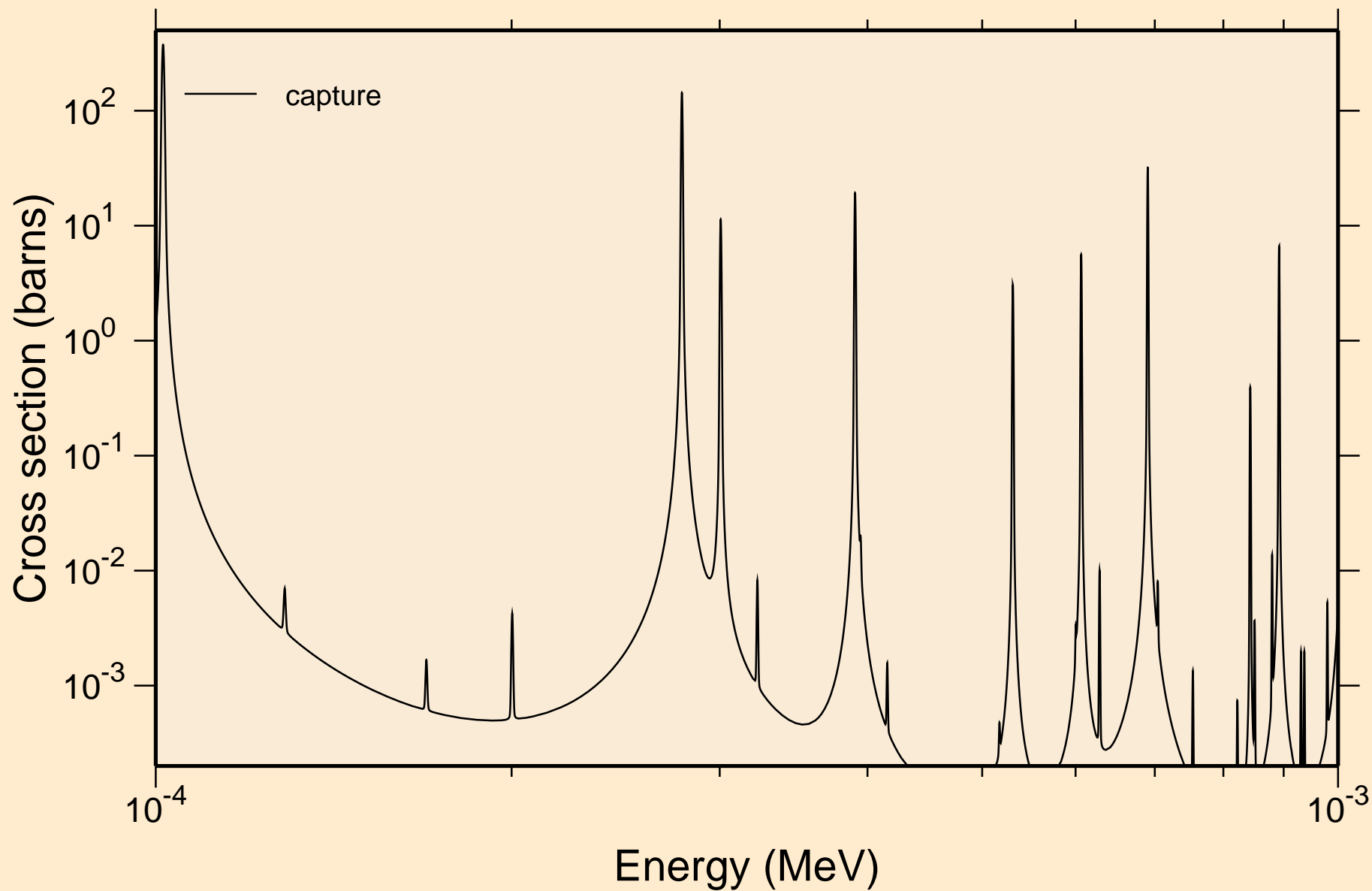


GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

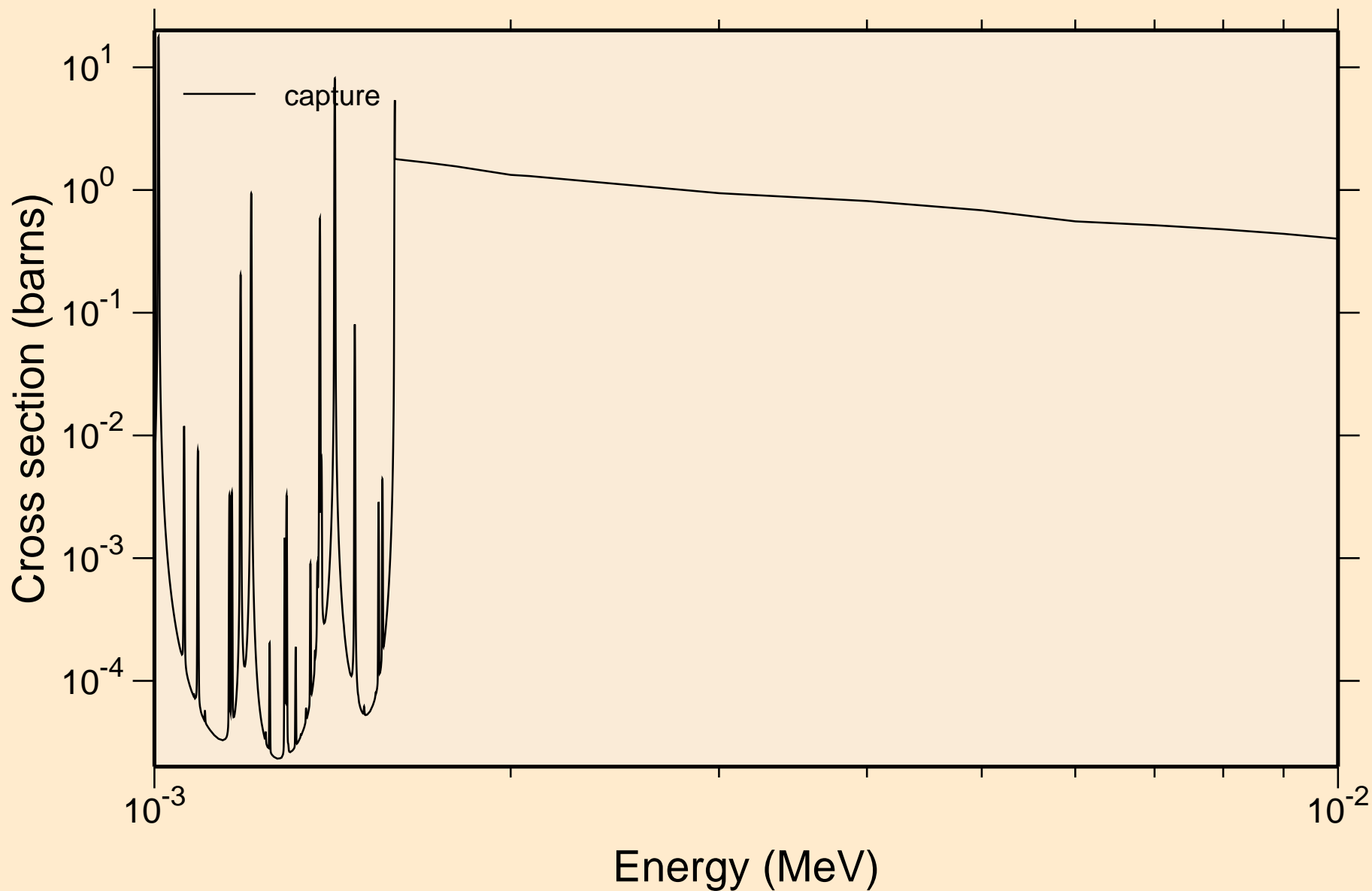




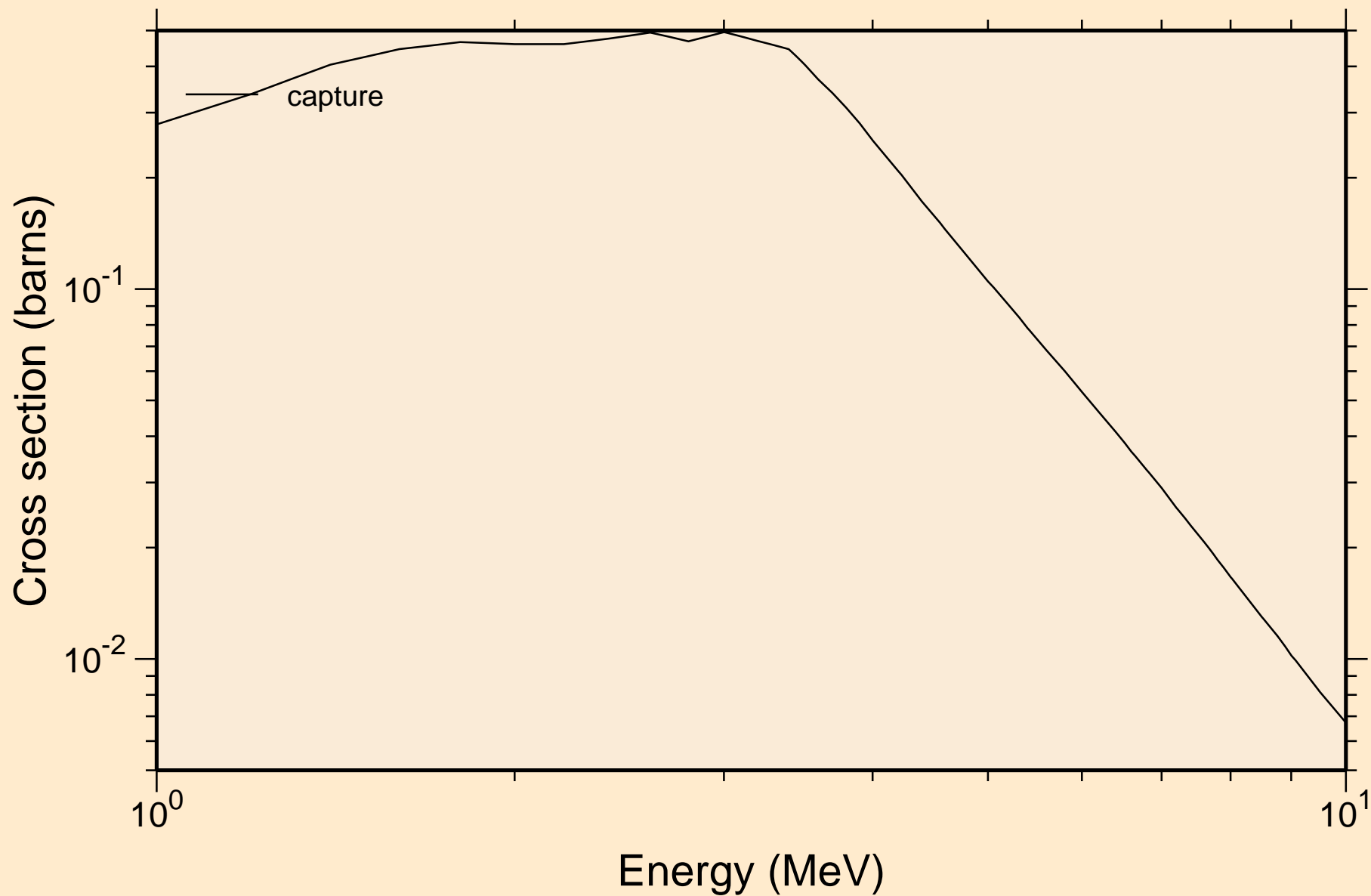
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



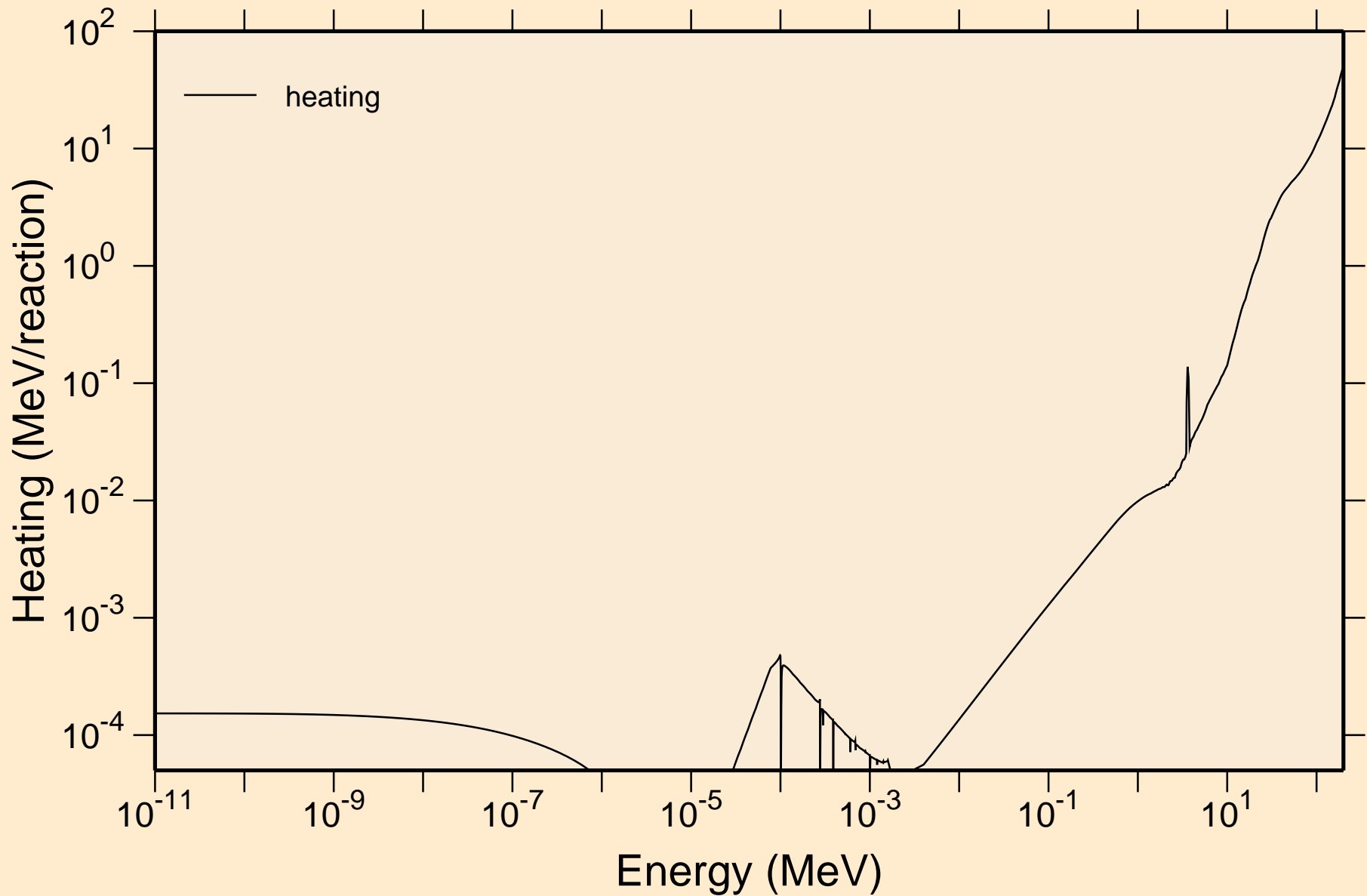
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



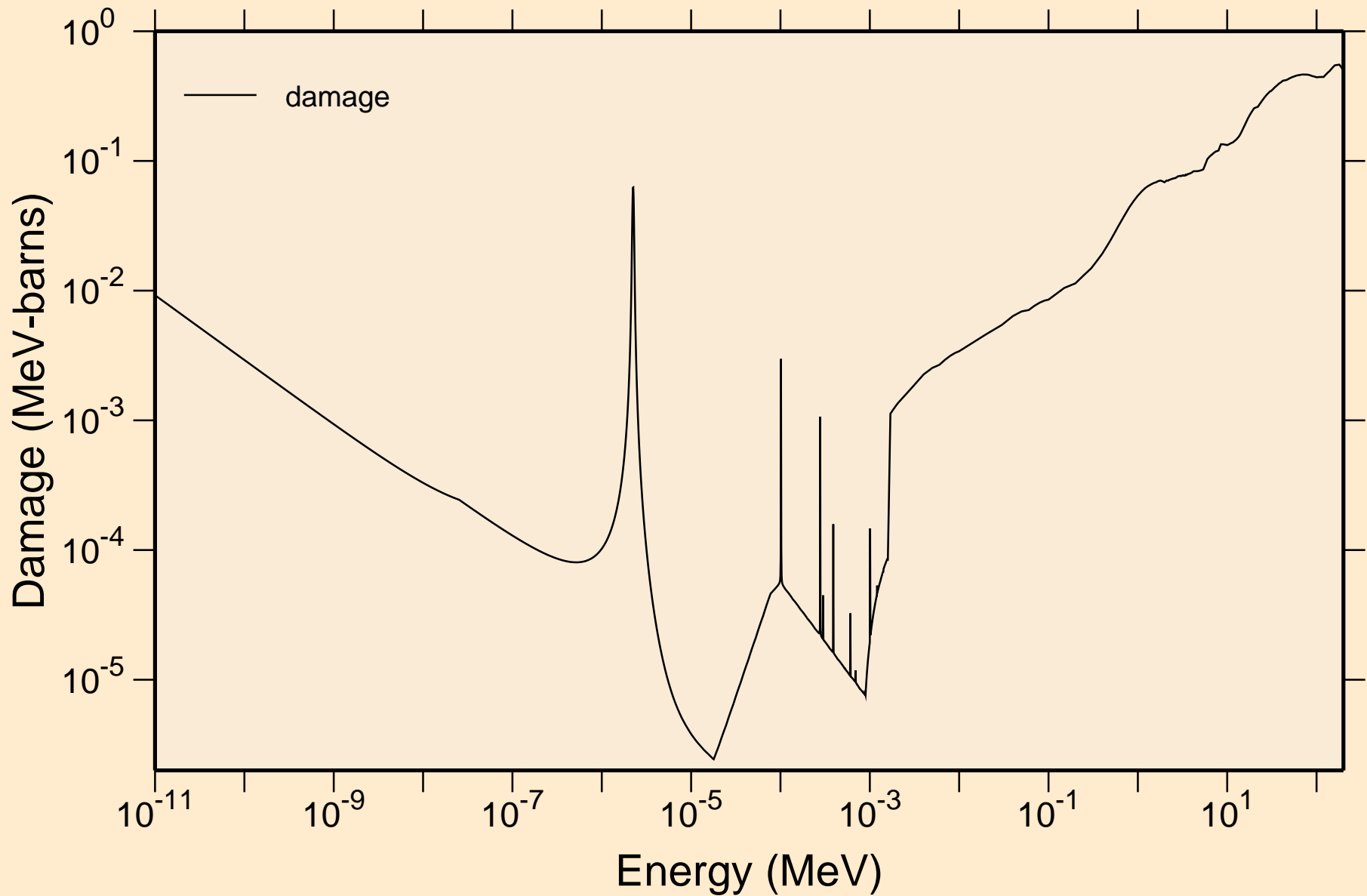
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

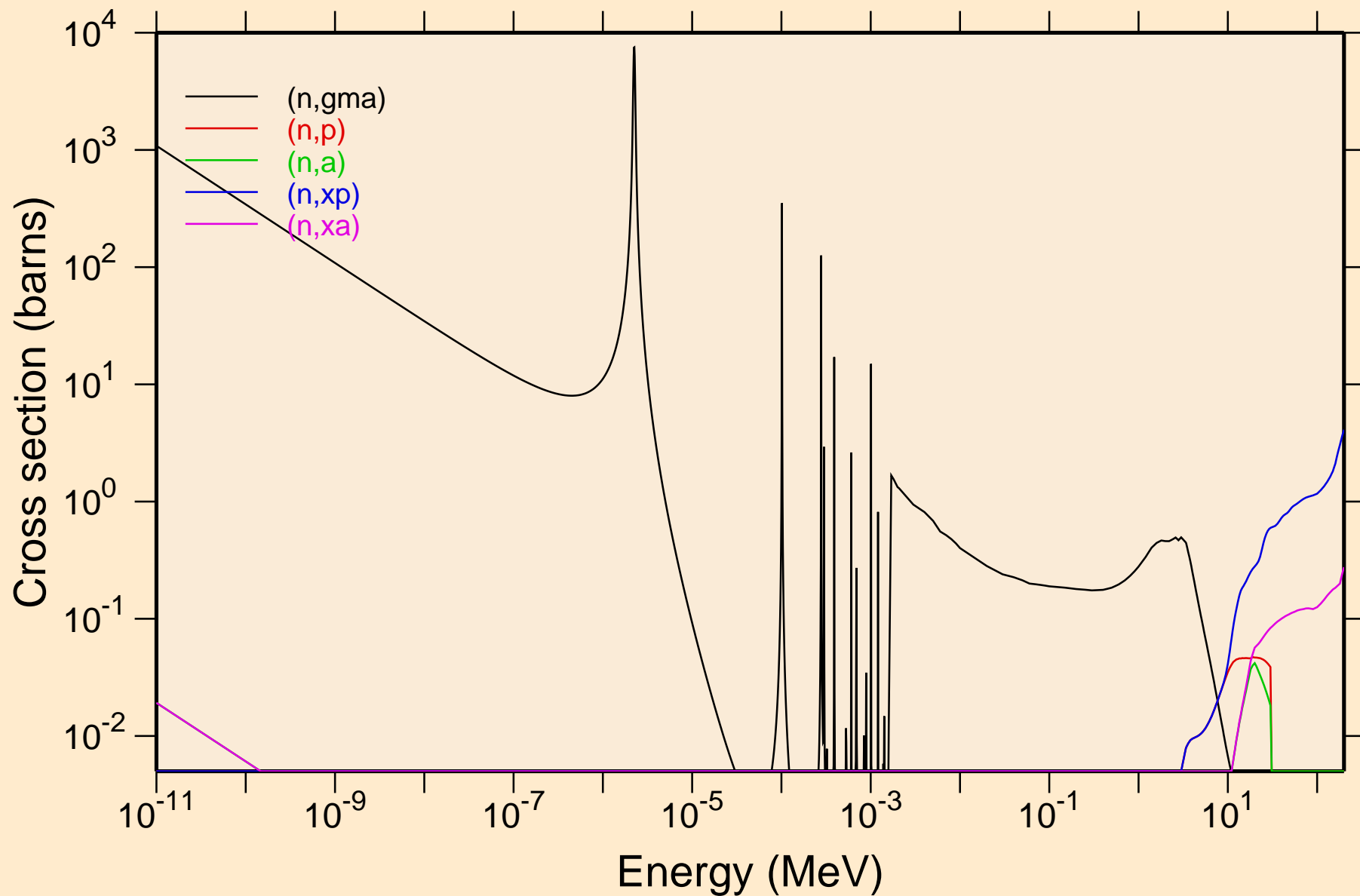


# GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage

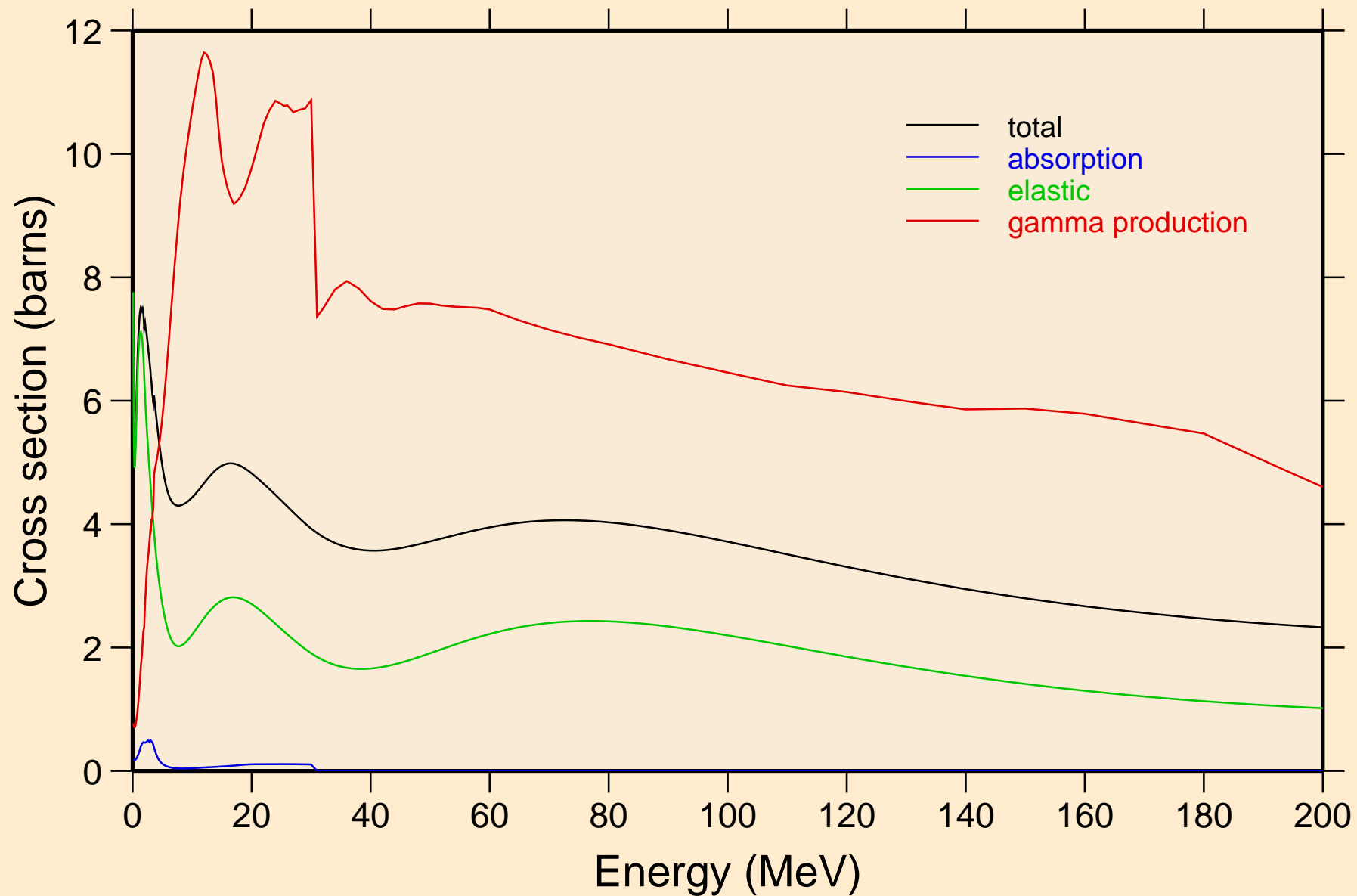


# GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

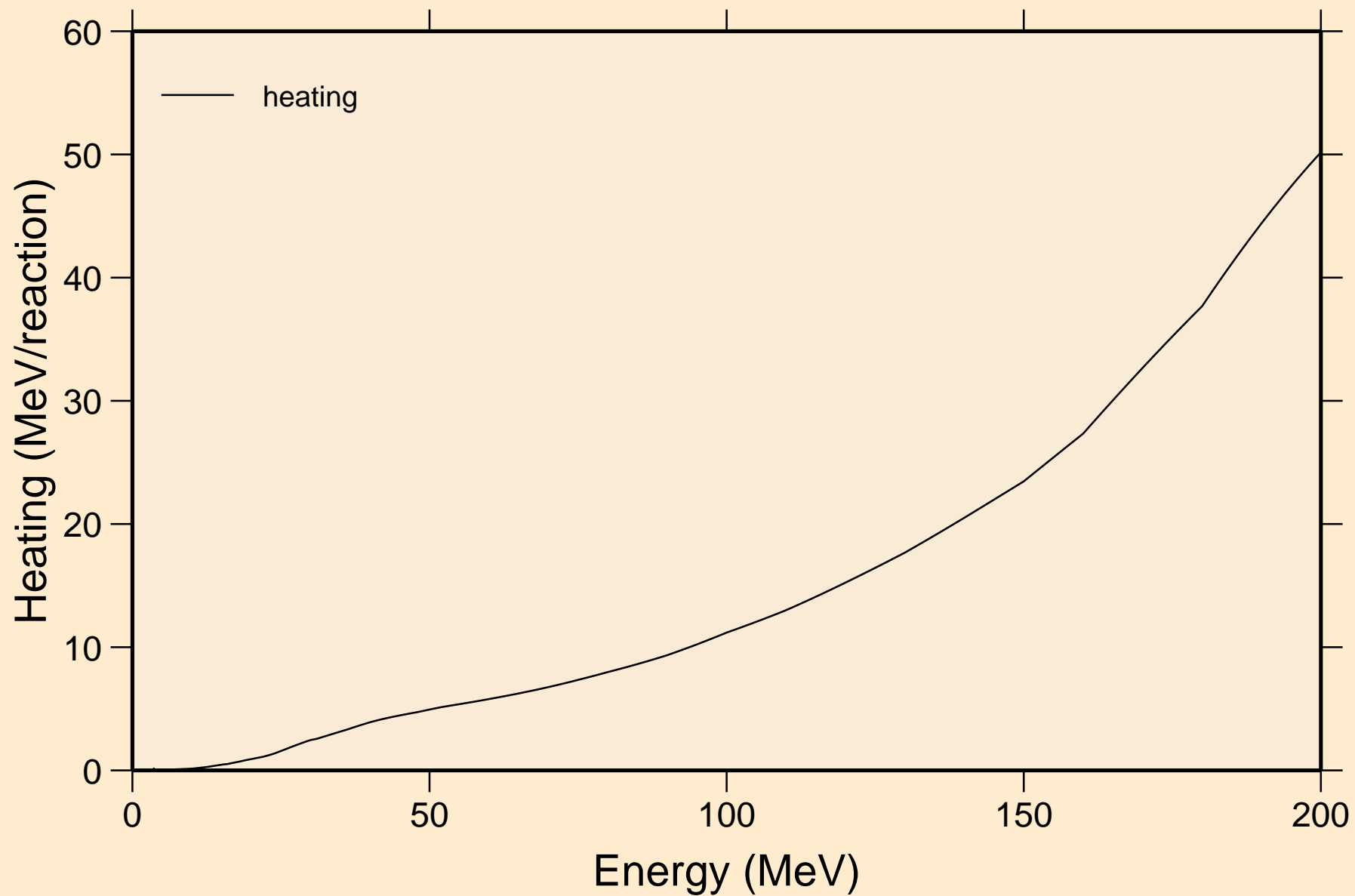
## Non-threshold reactions



GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections

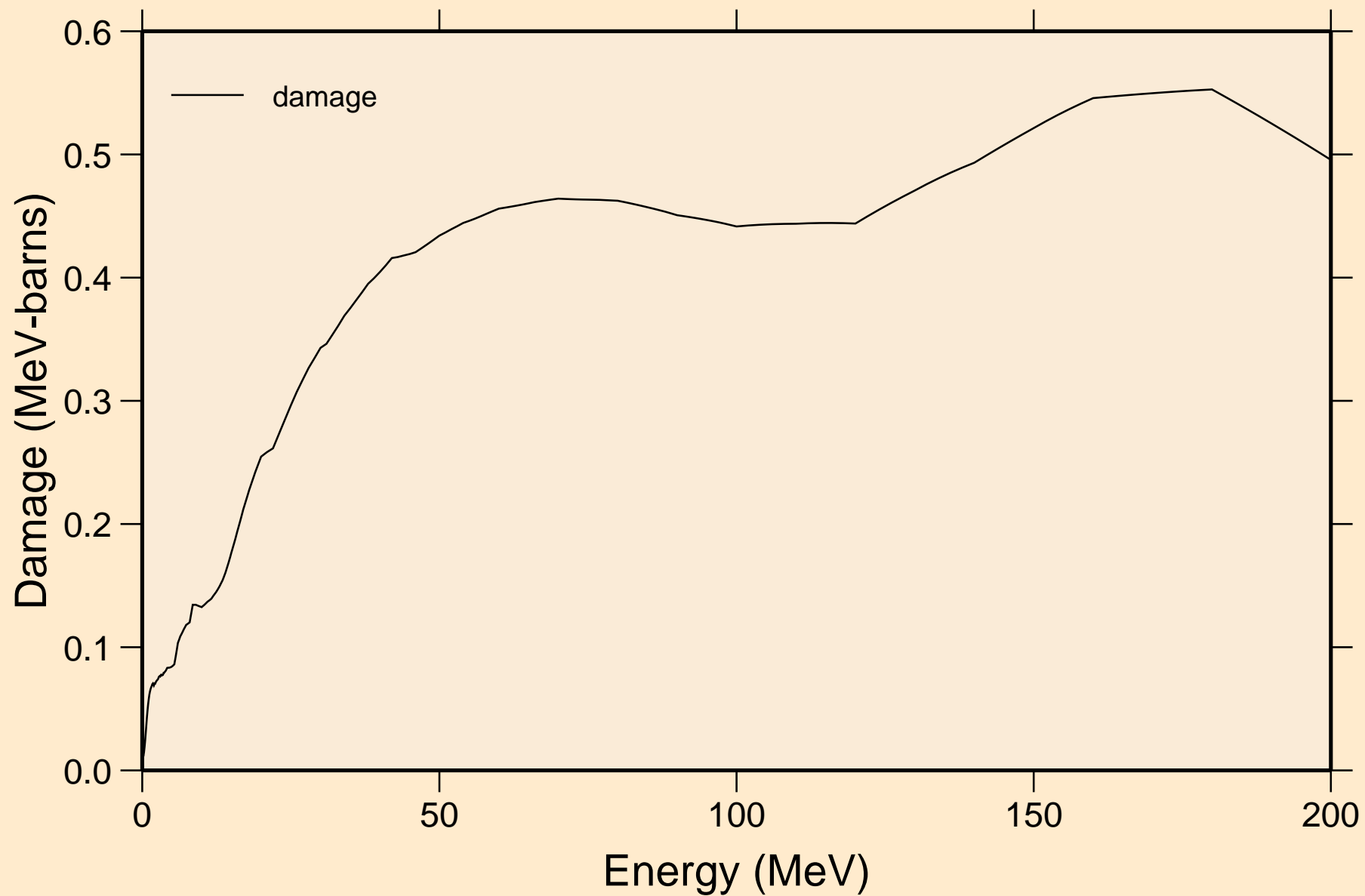


GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

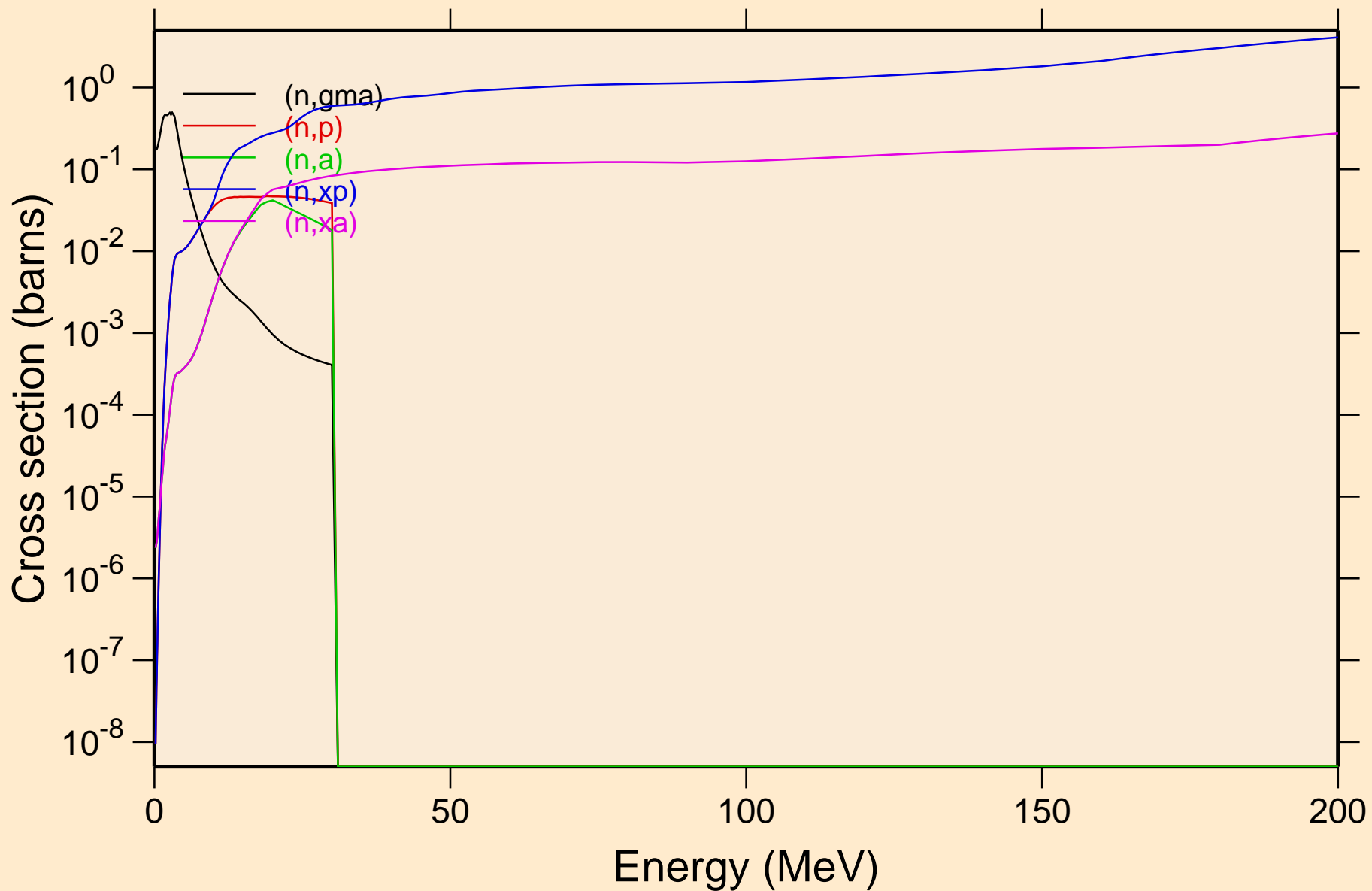




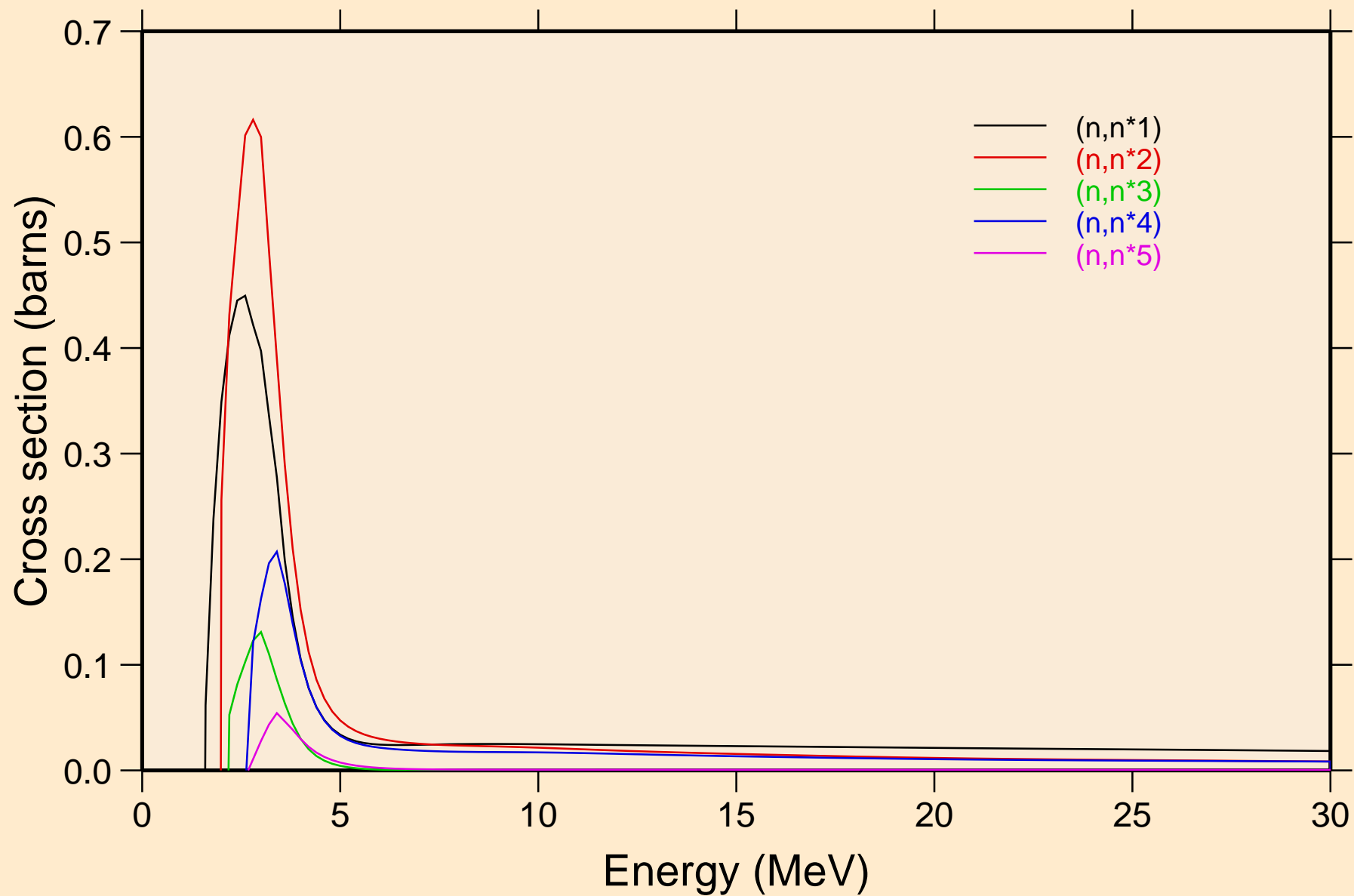
# GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage



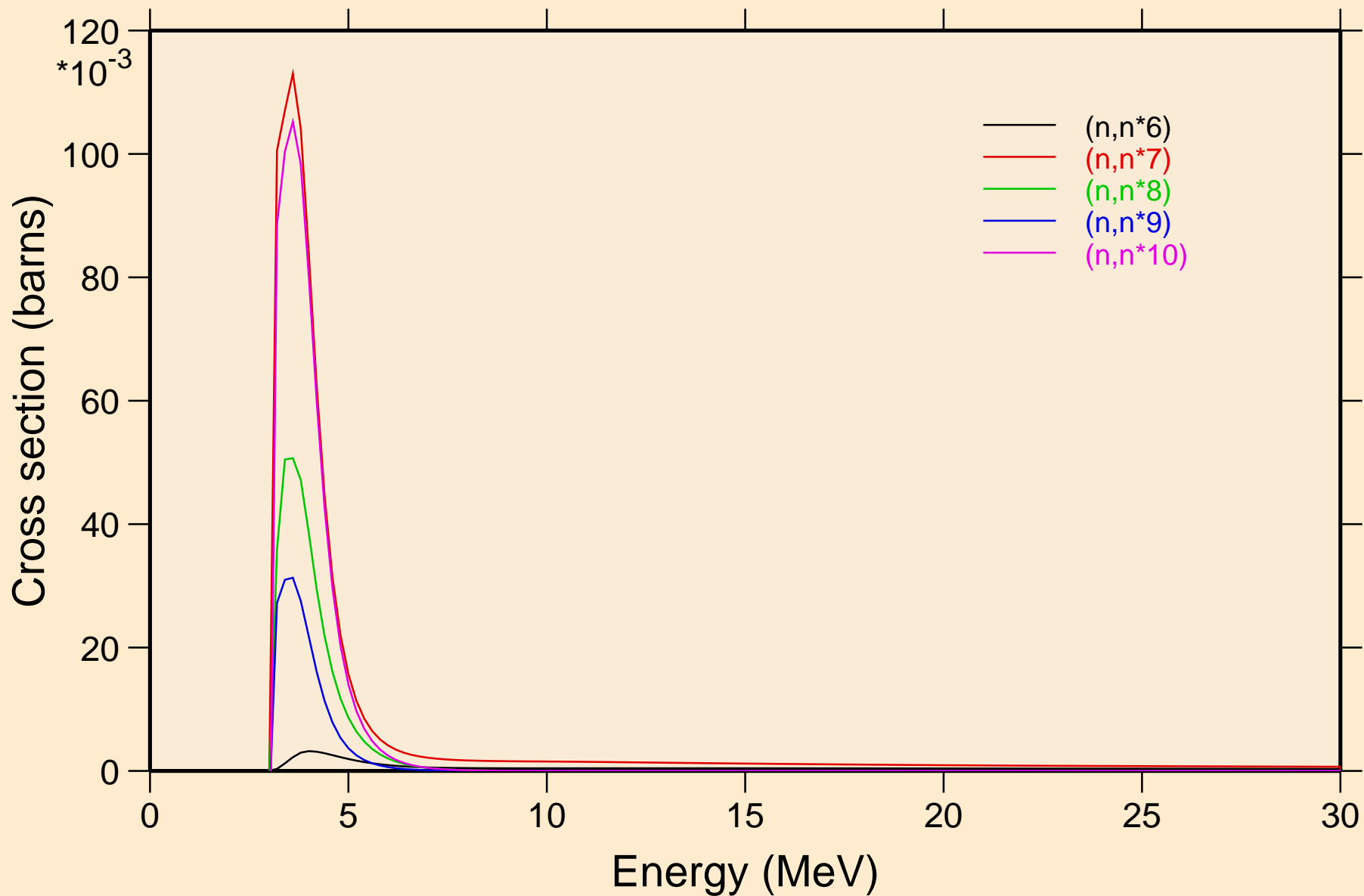
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

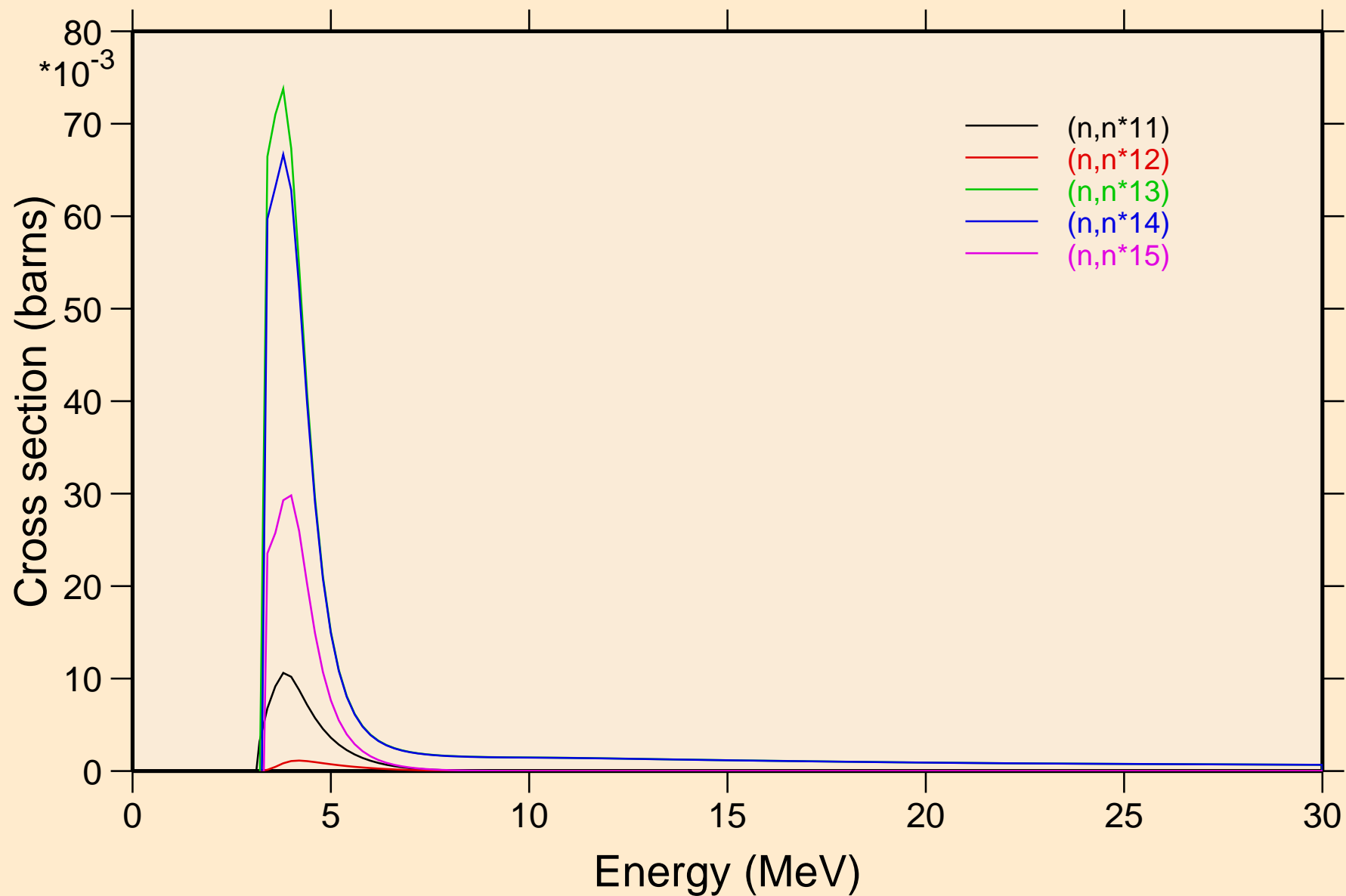


GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

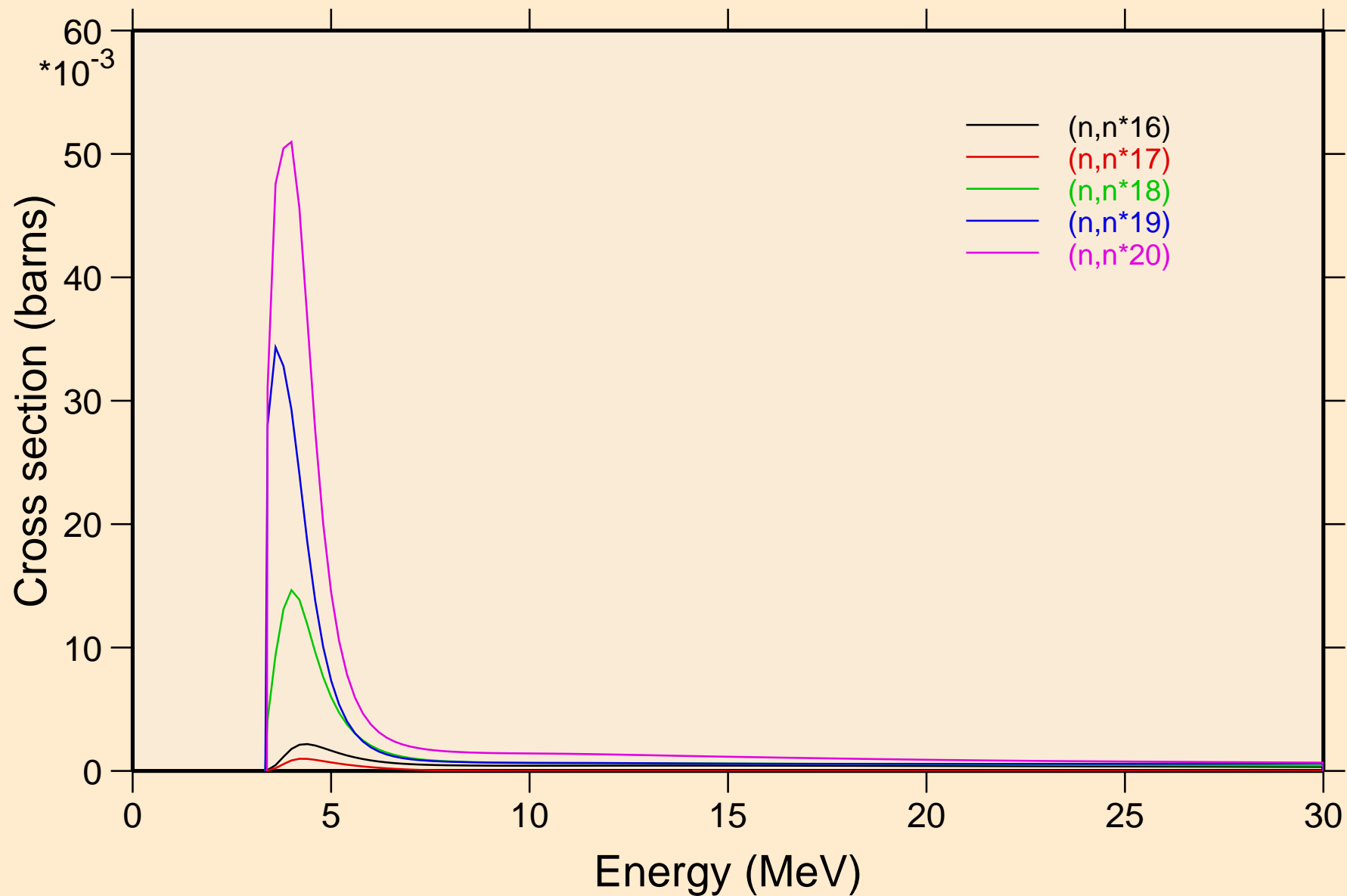


# GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

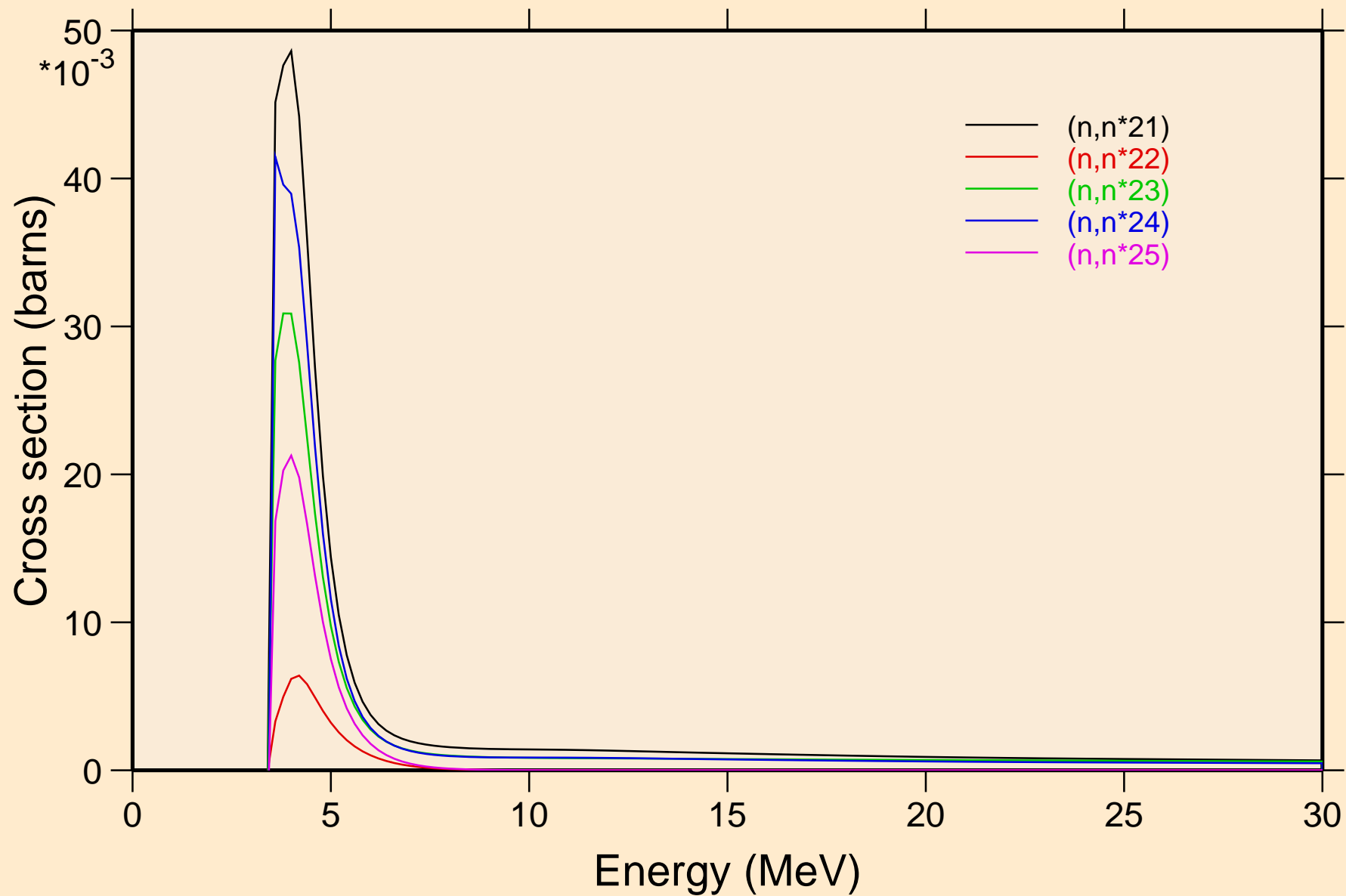
## Inelastic levels



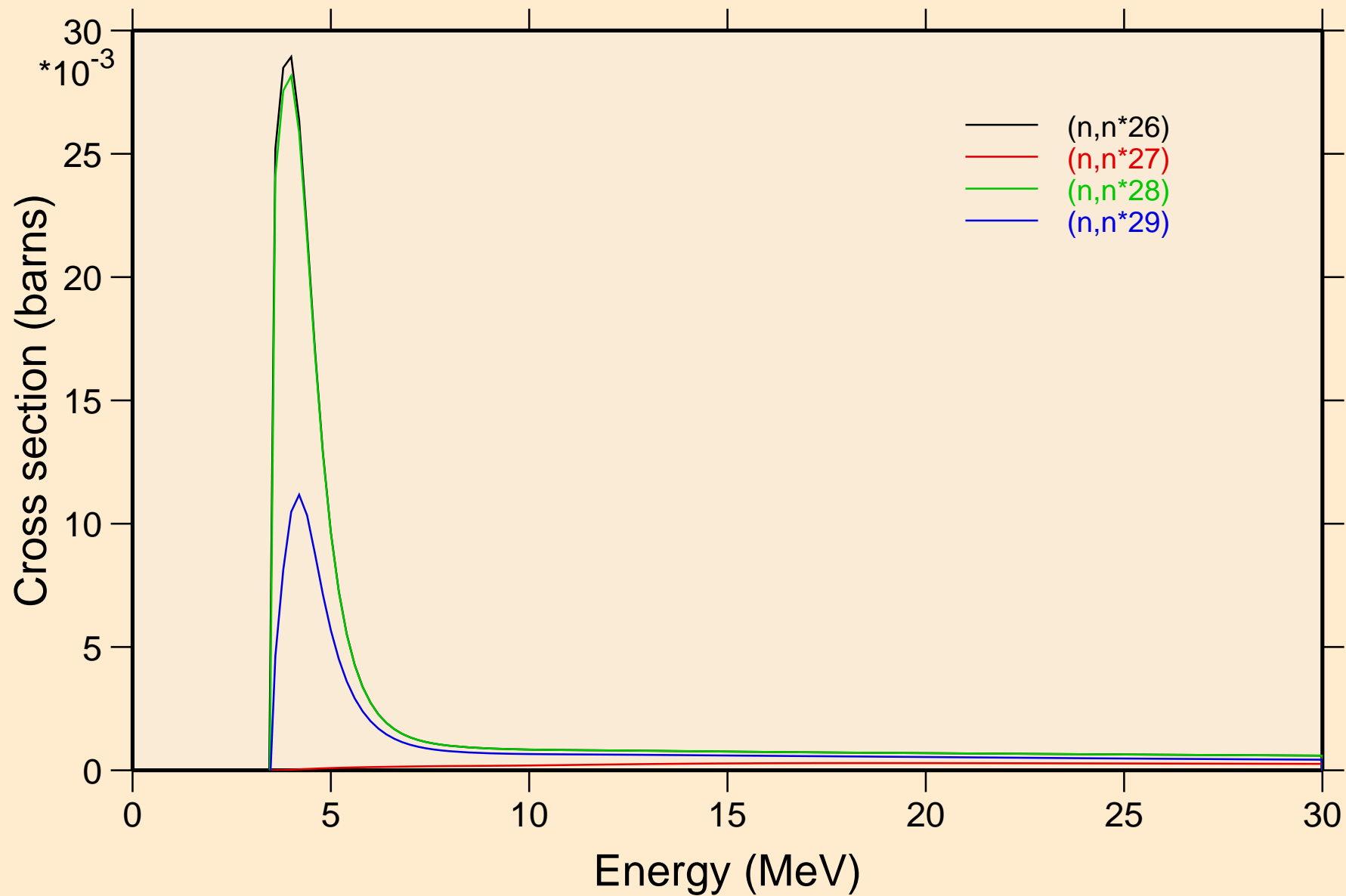
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

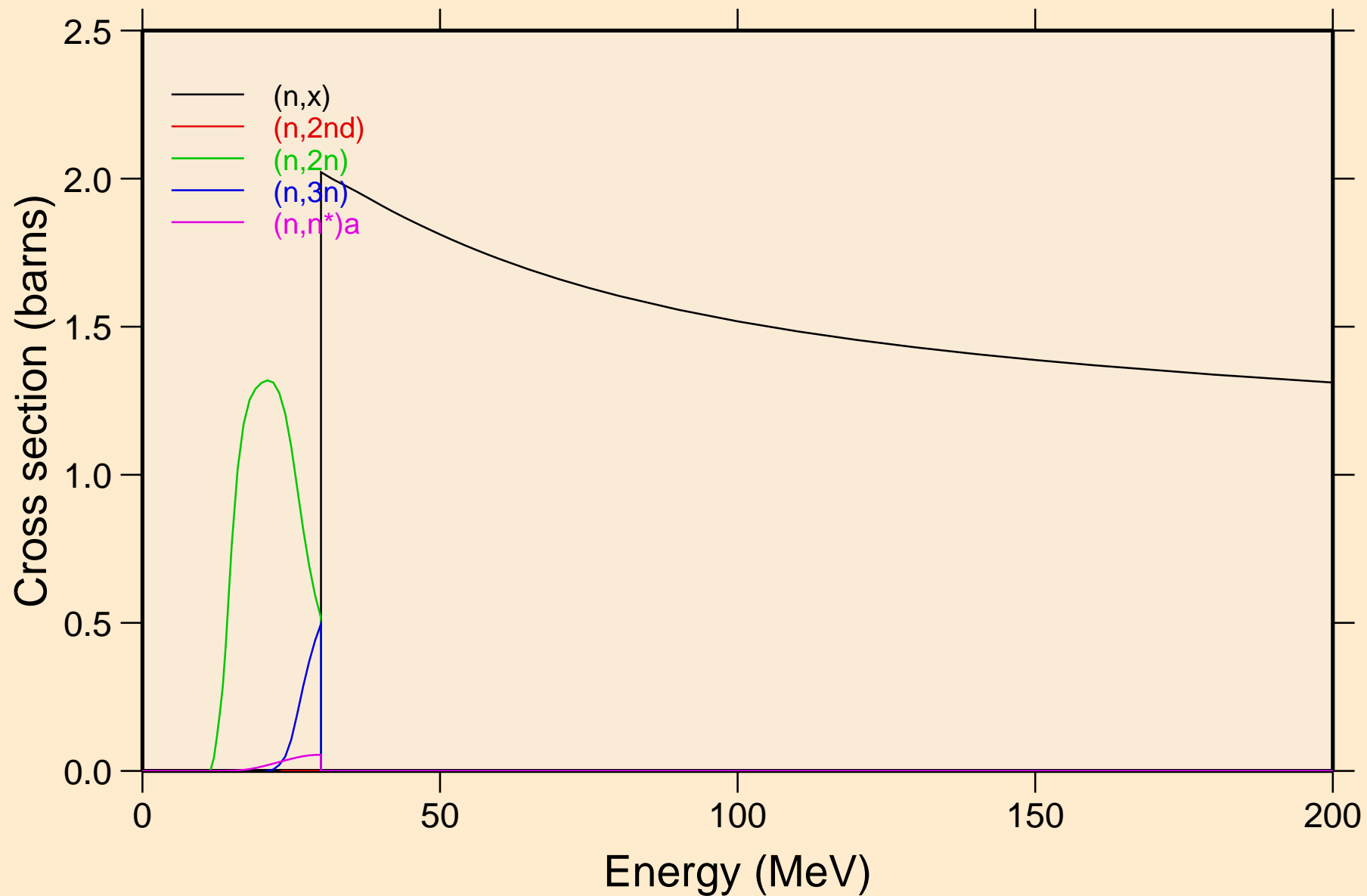


GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



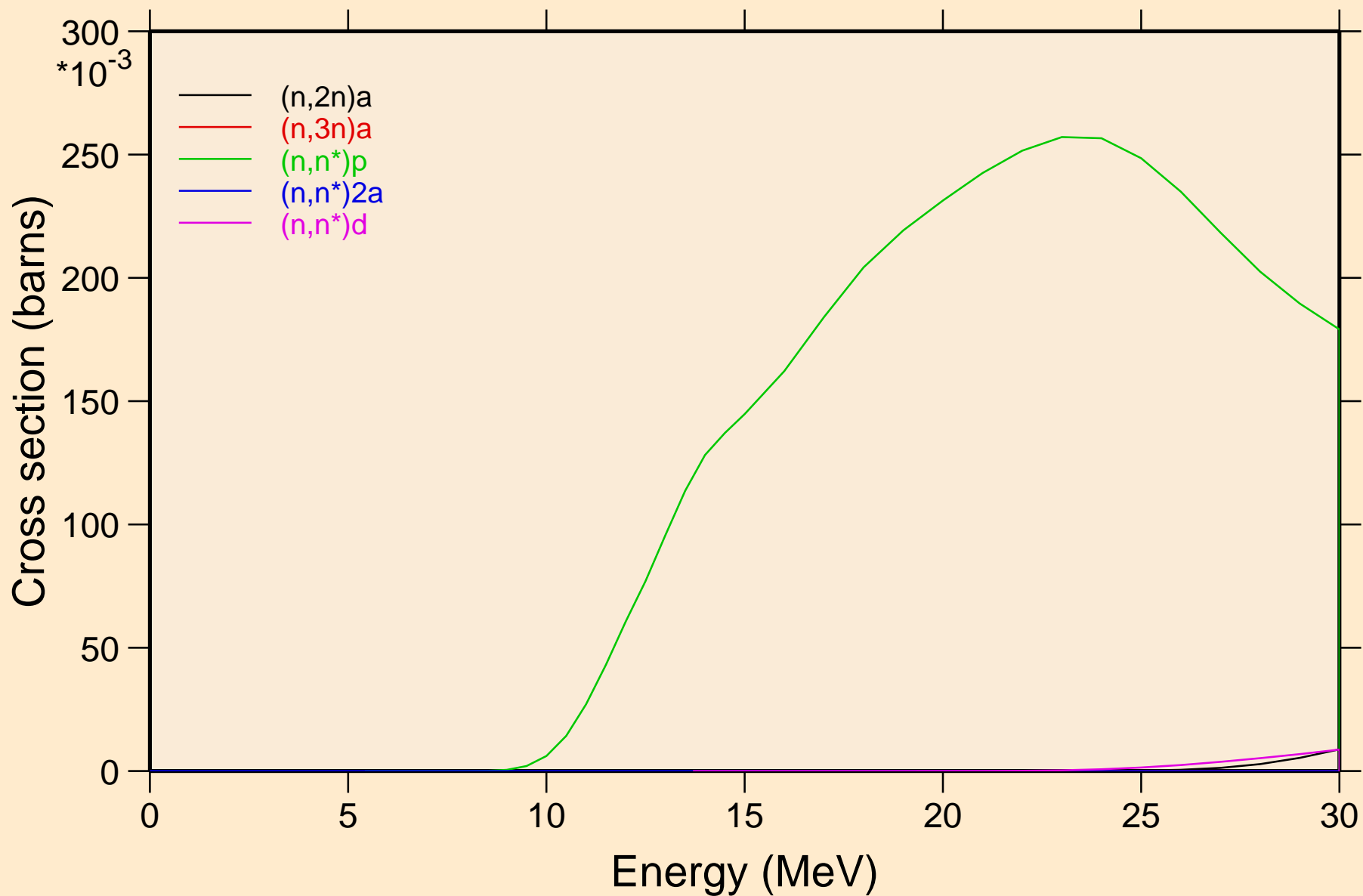


GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

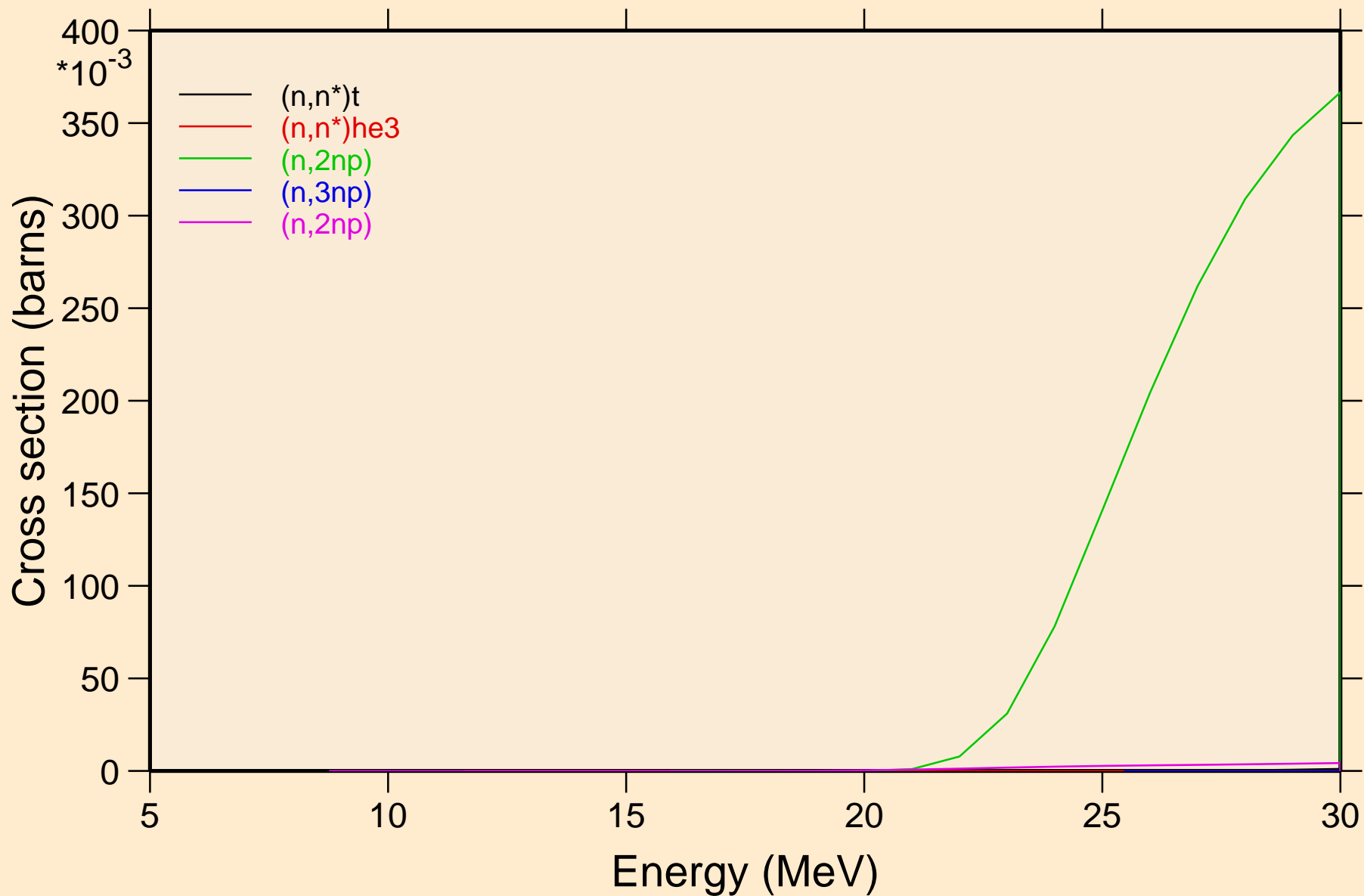


# GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

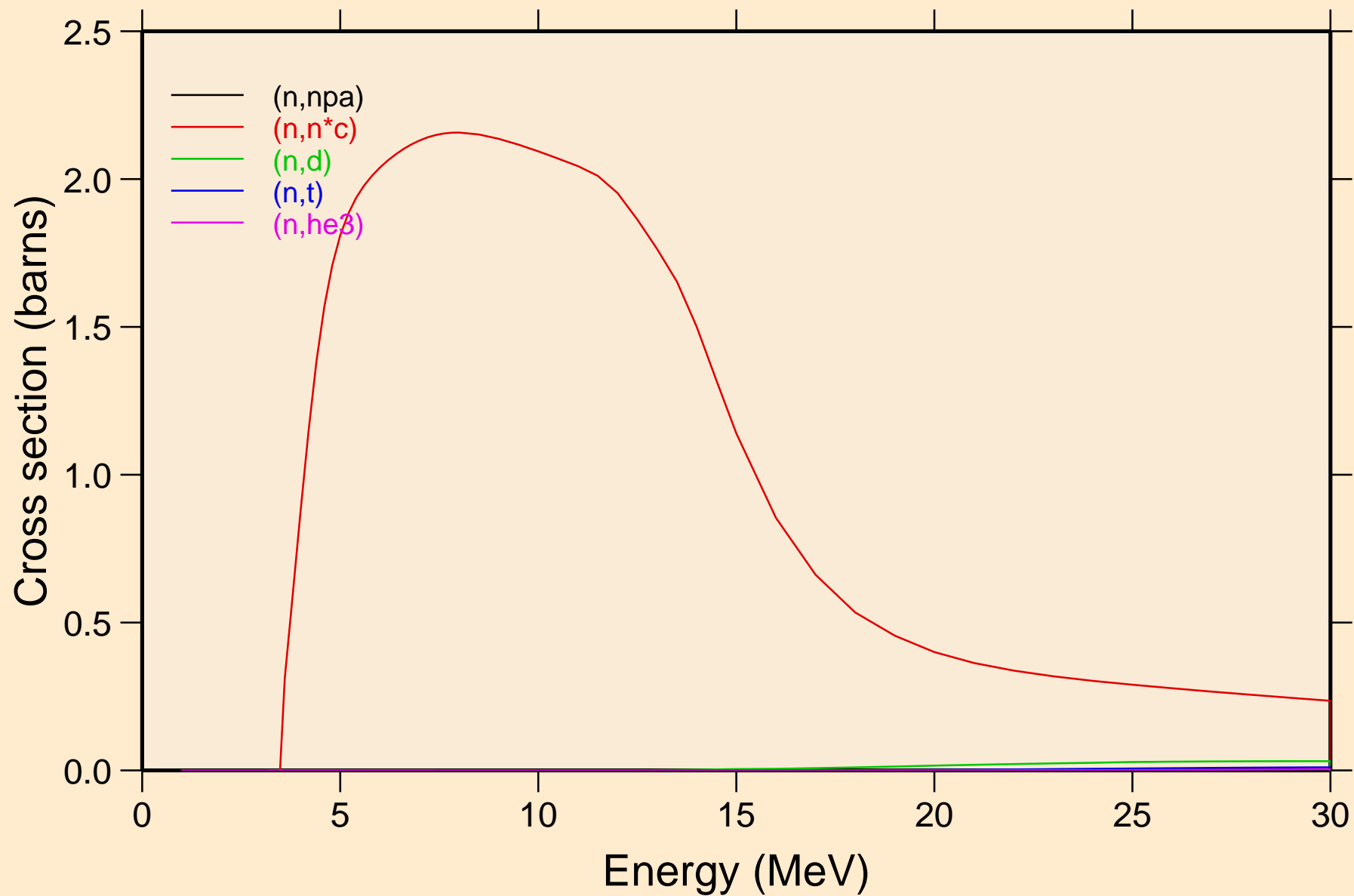
## Threshold reactions



GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

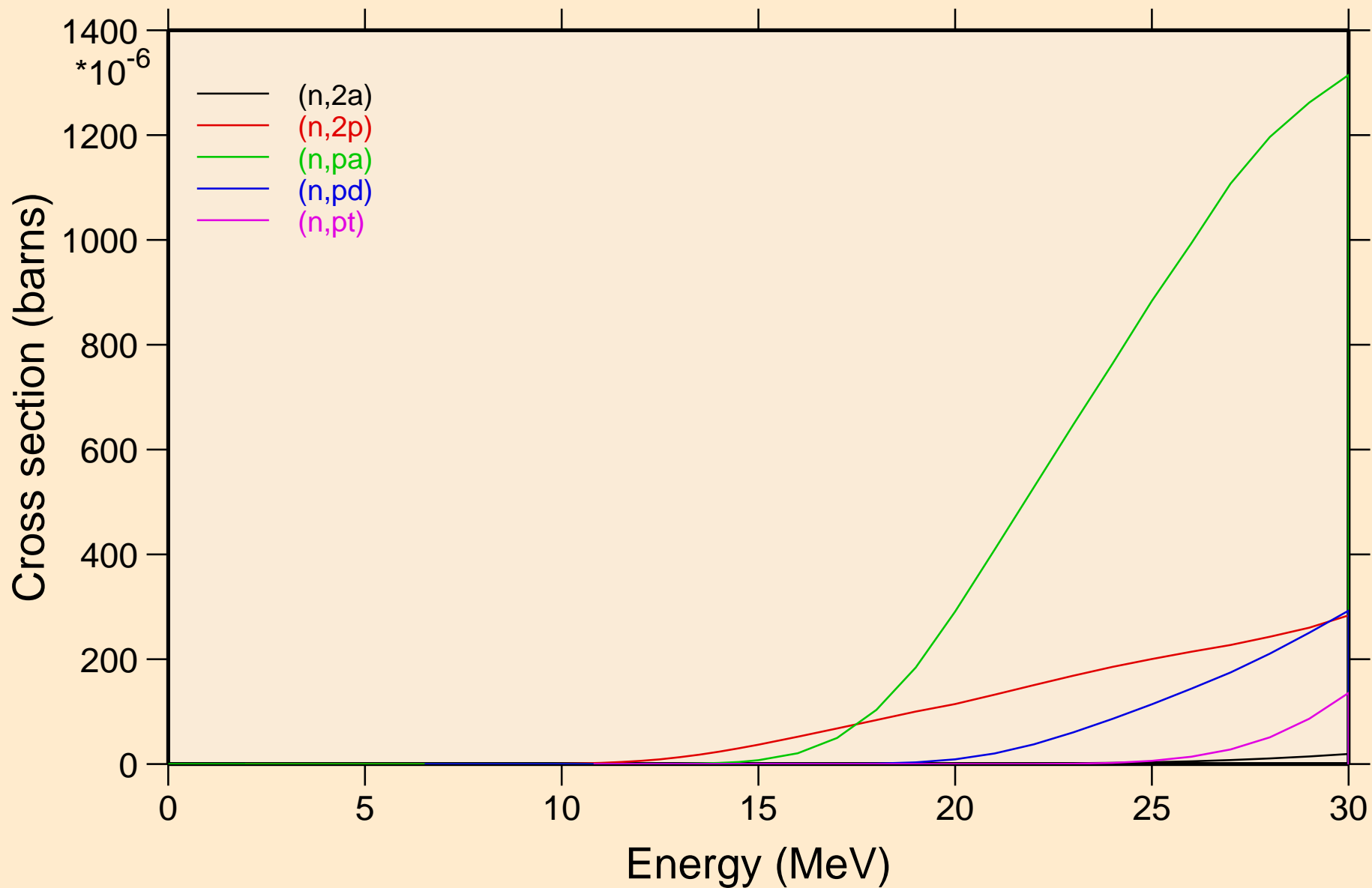


GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

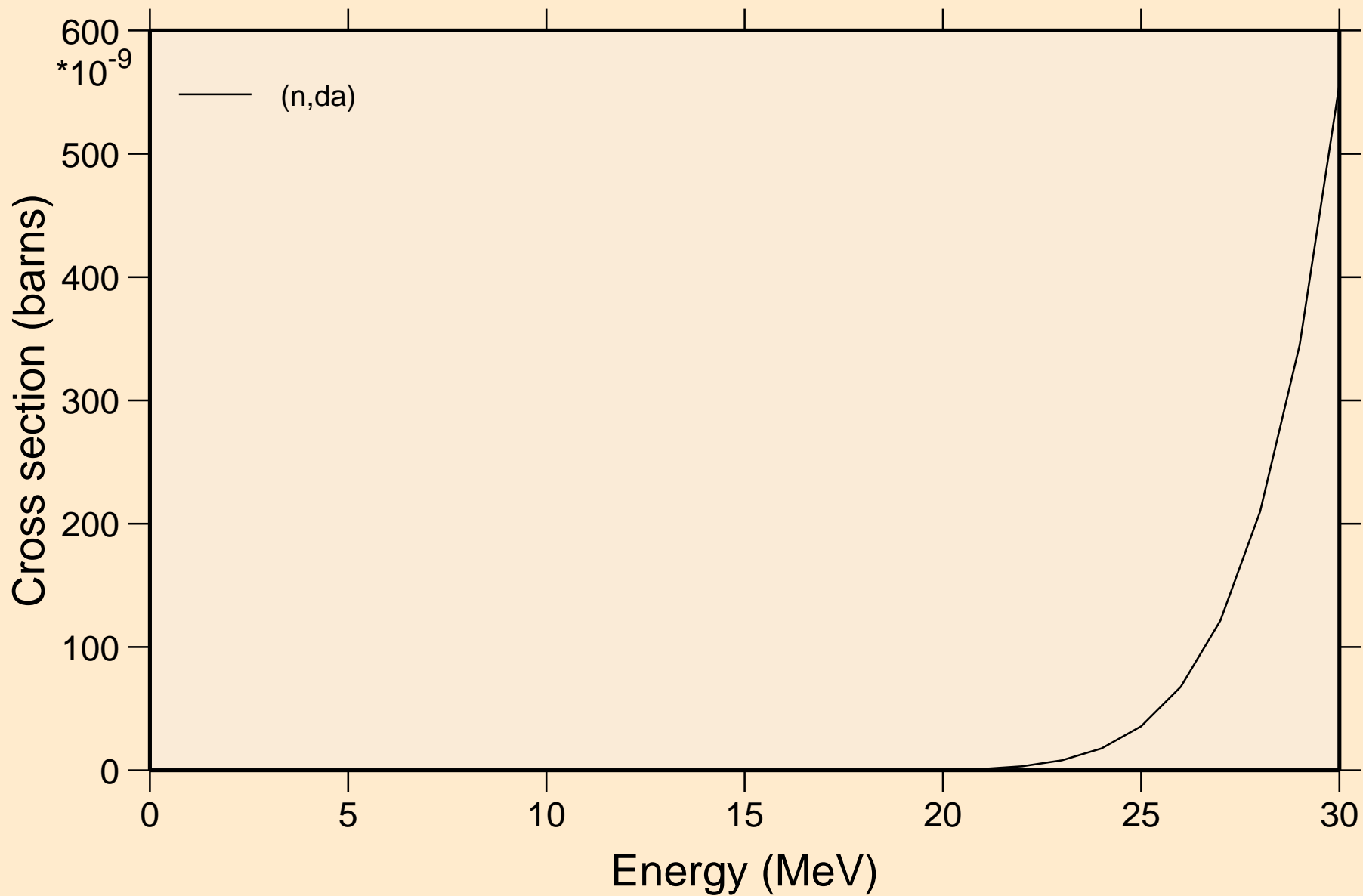


# GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

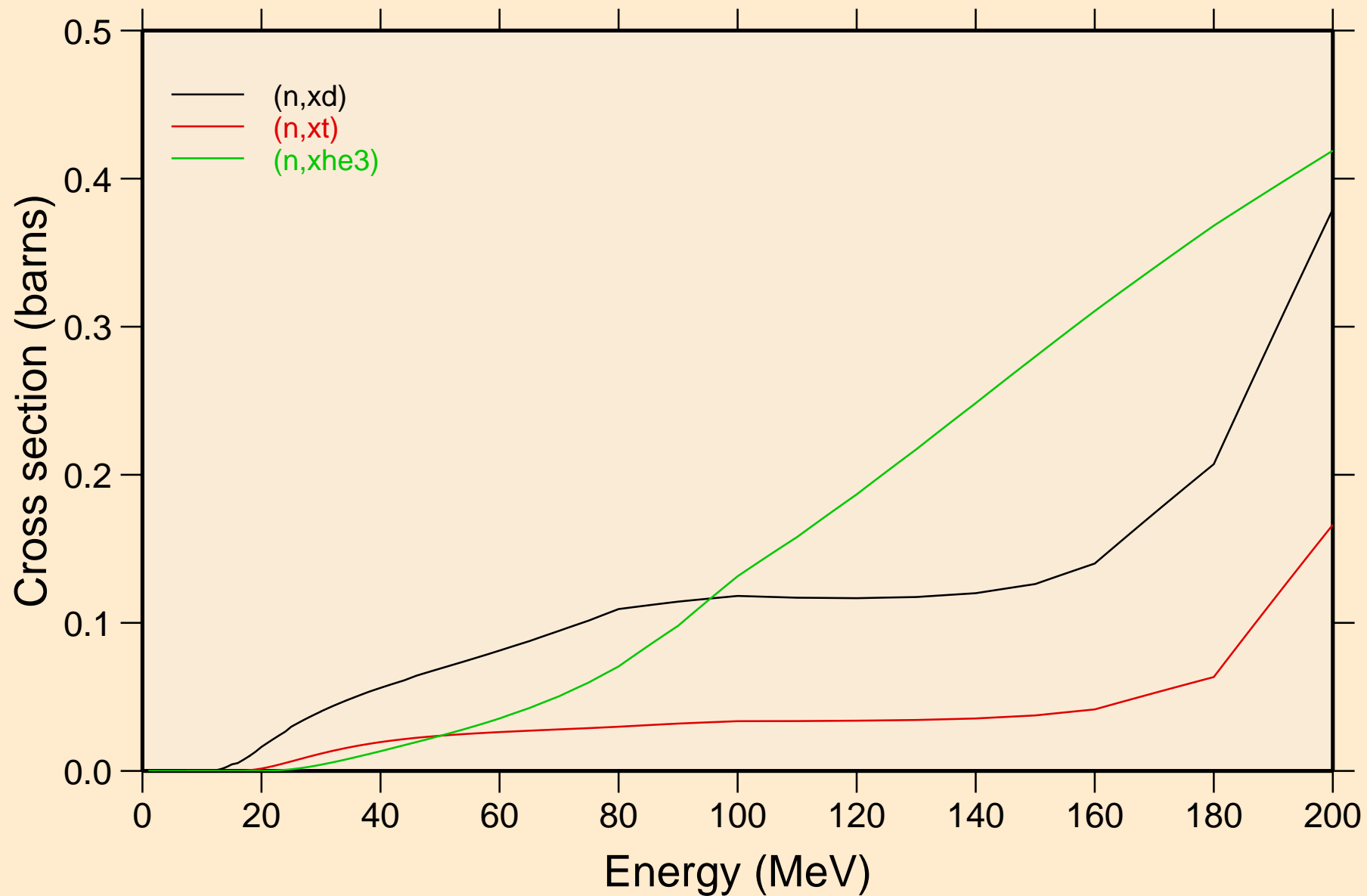
## Threshold reactions



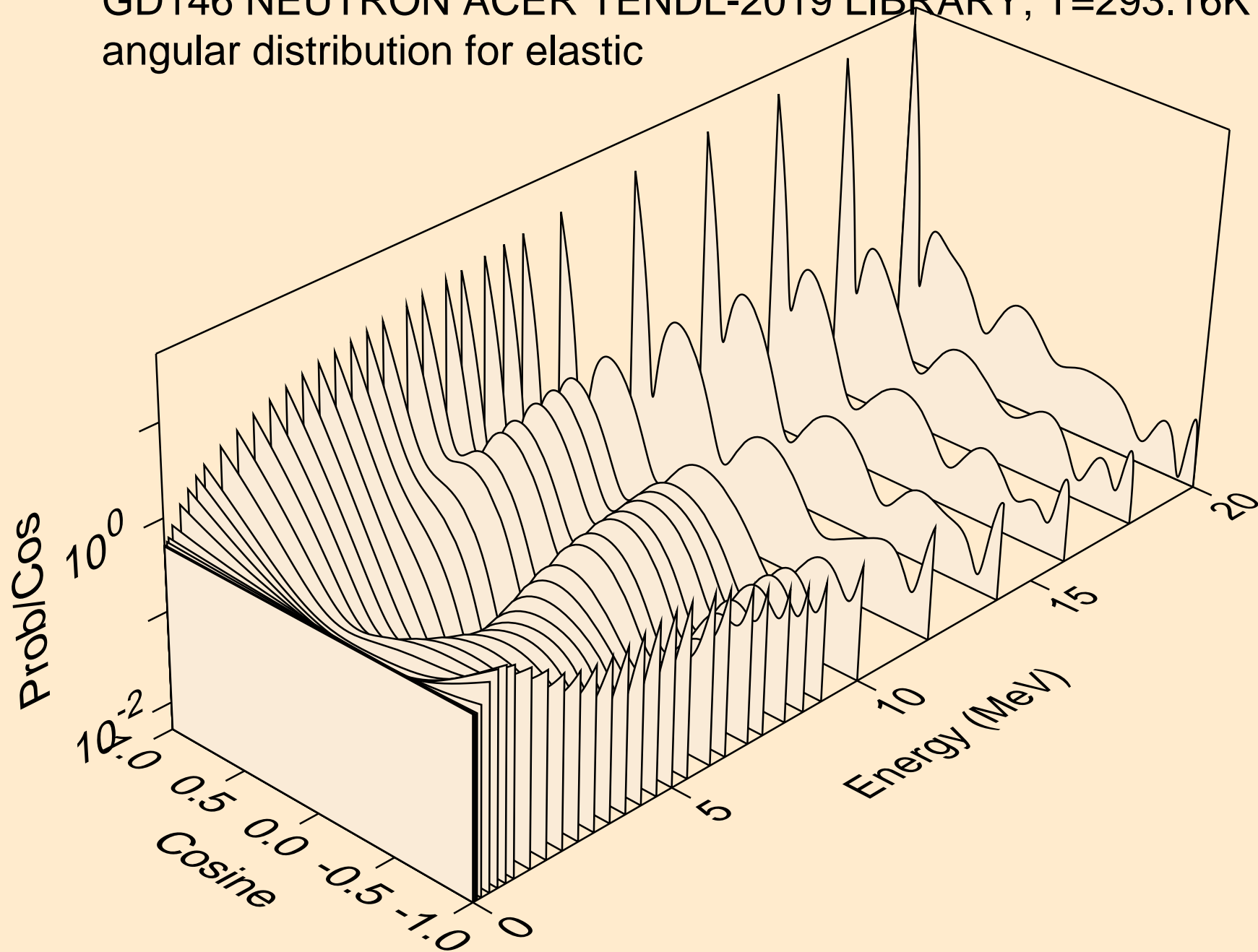
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

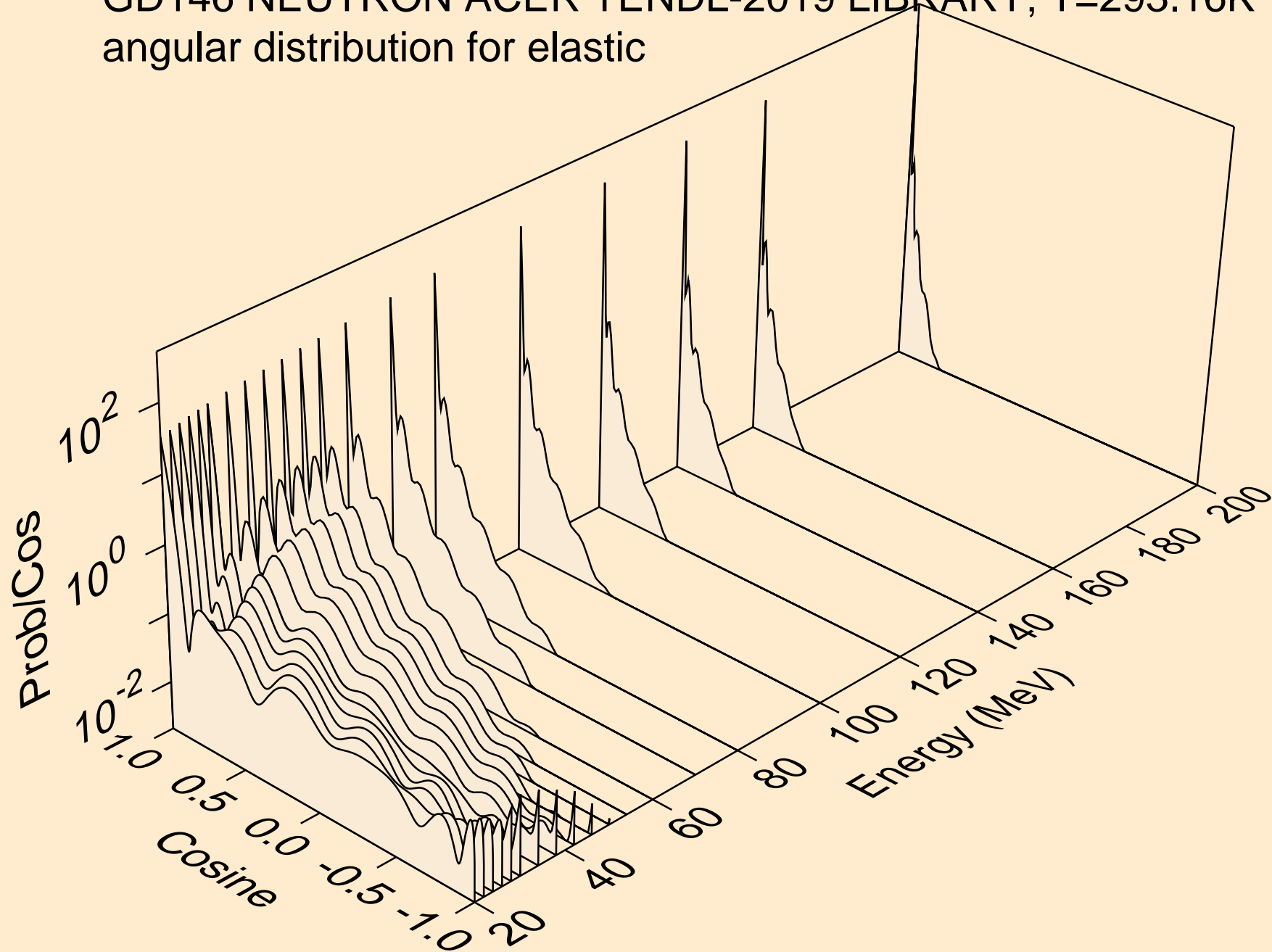


GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic

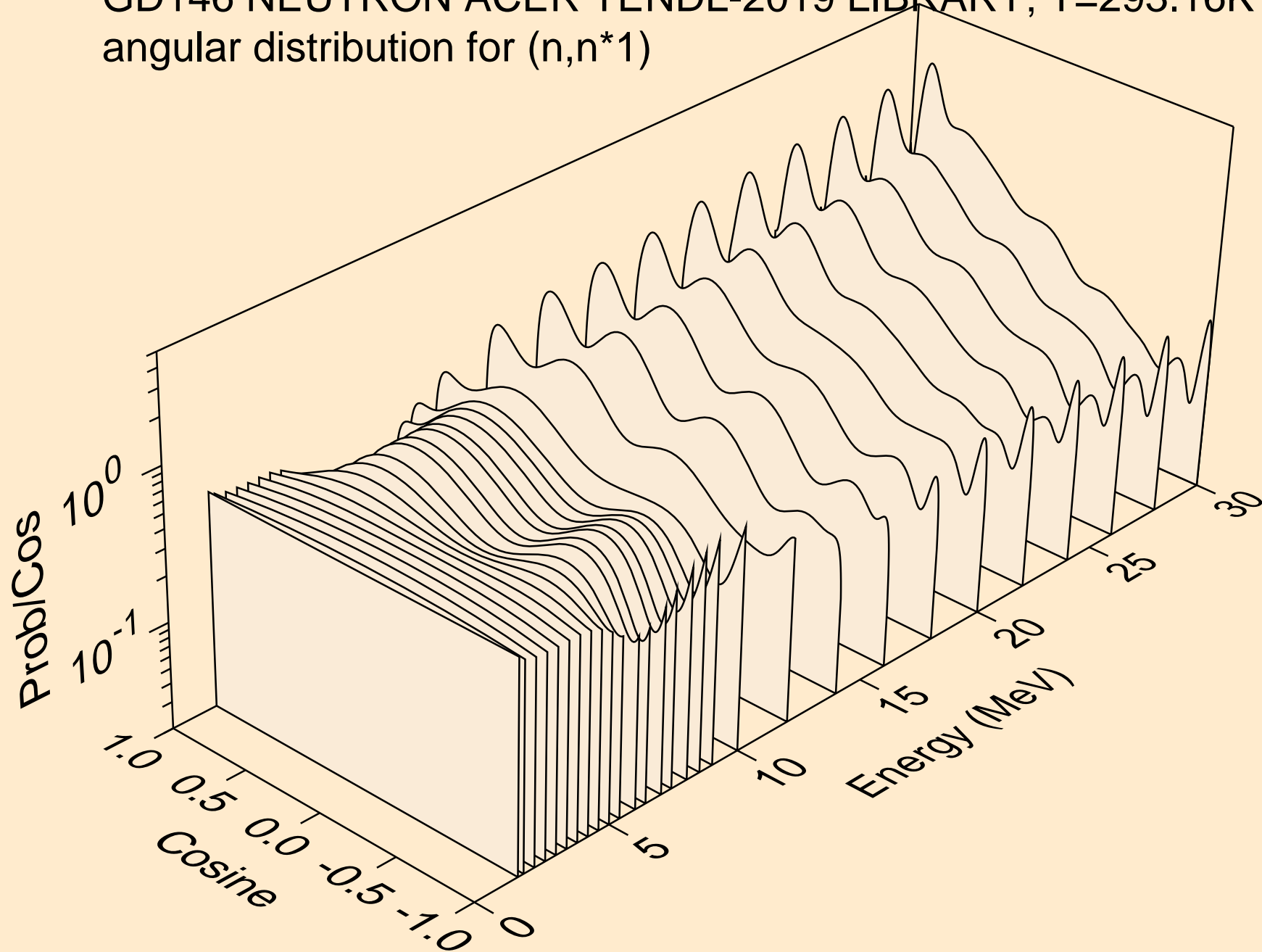




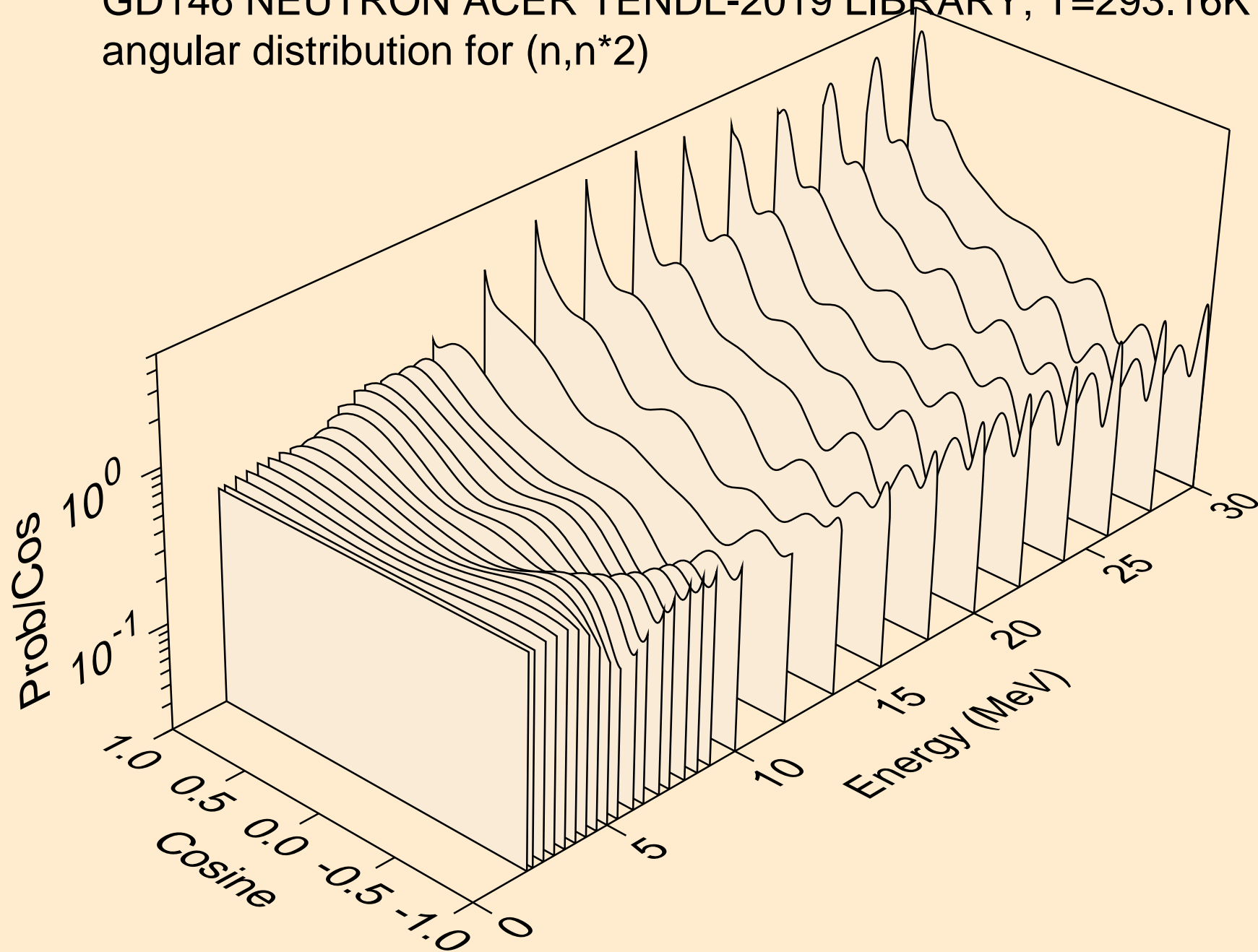
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



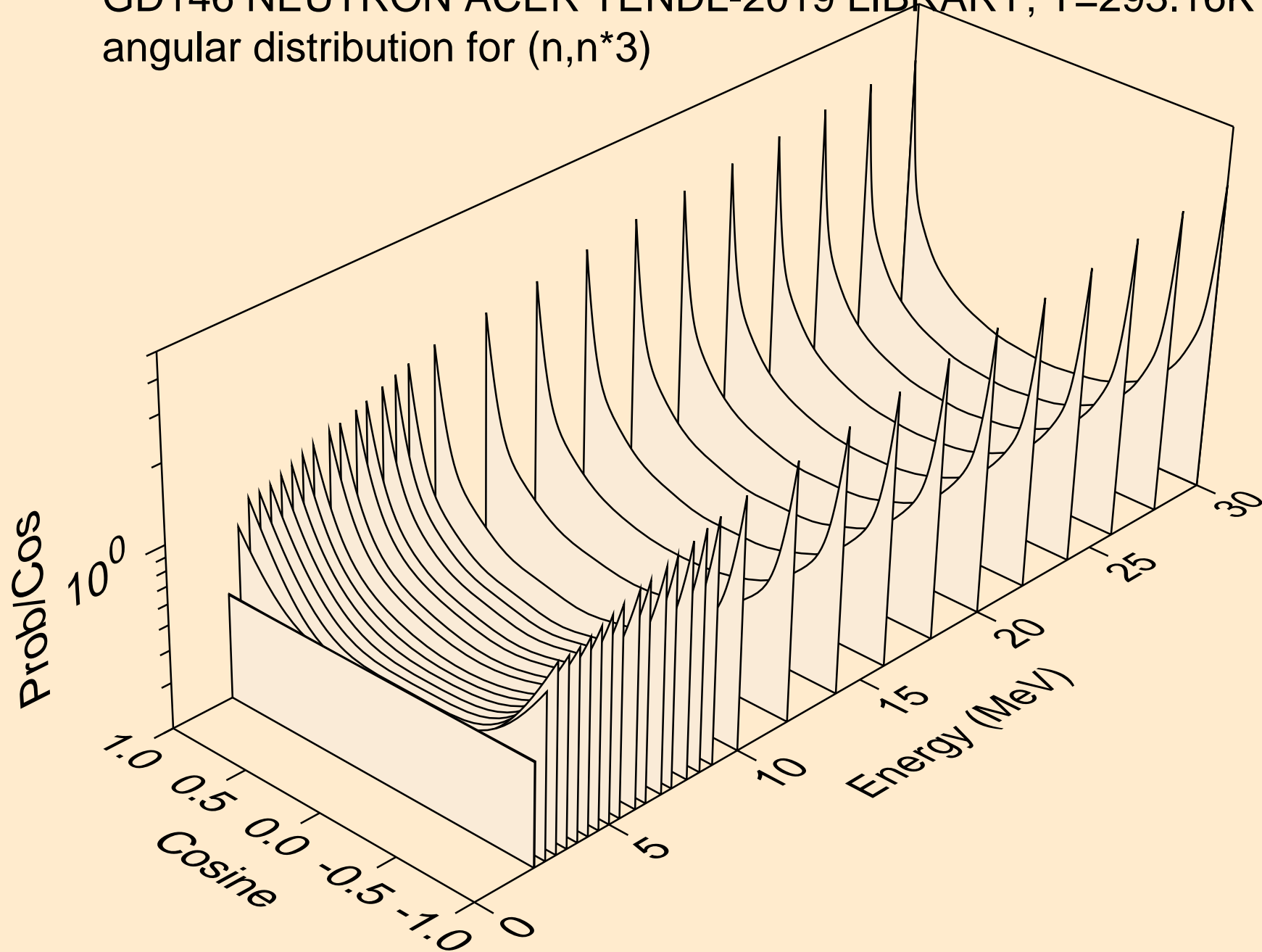
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)



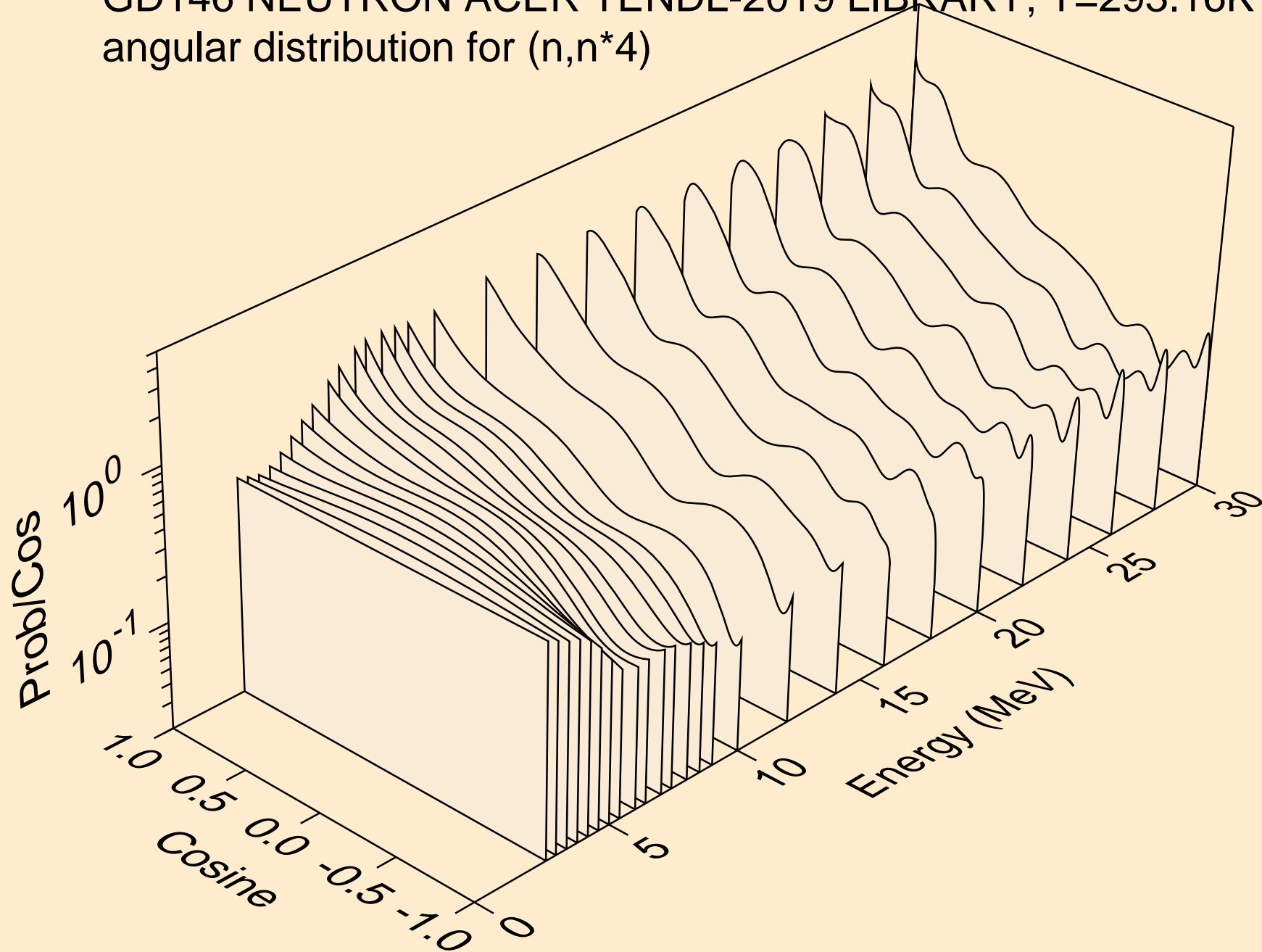
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*2)



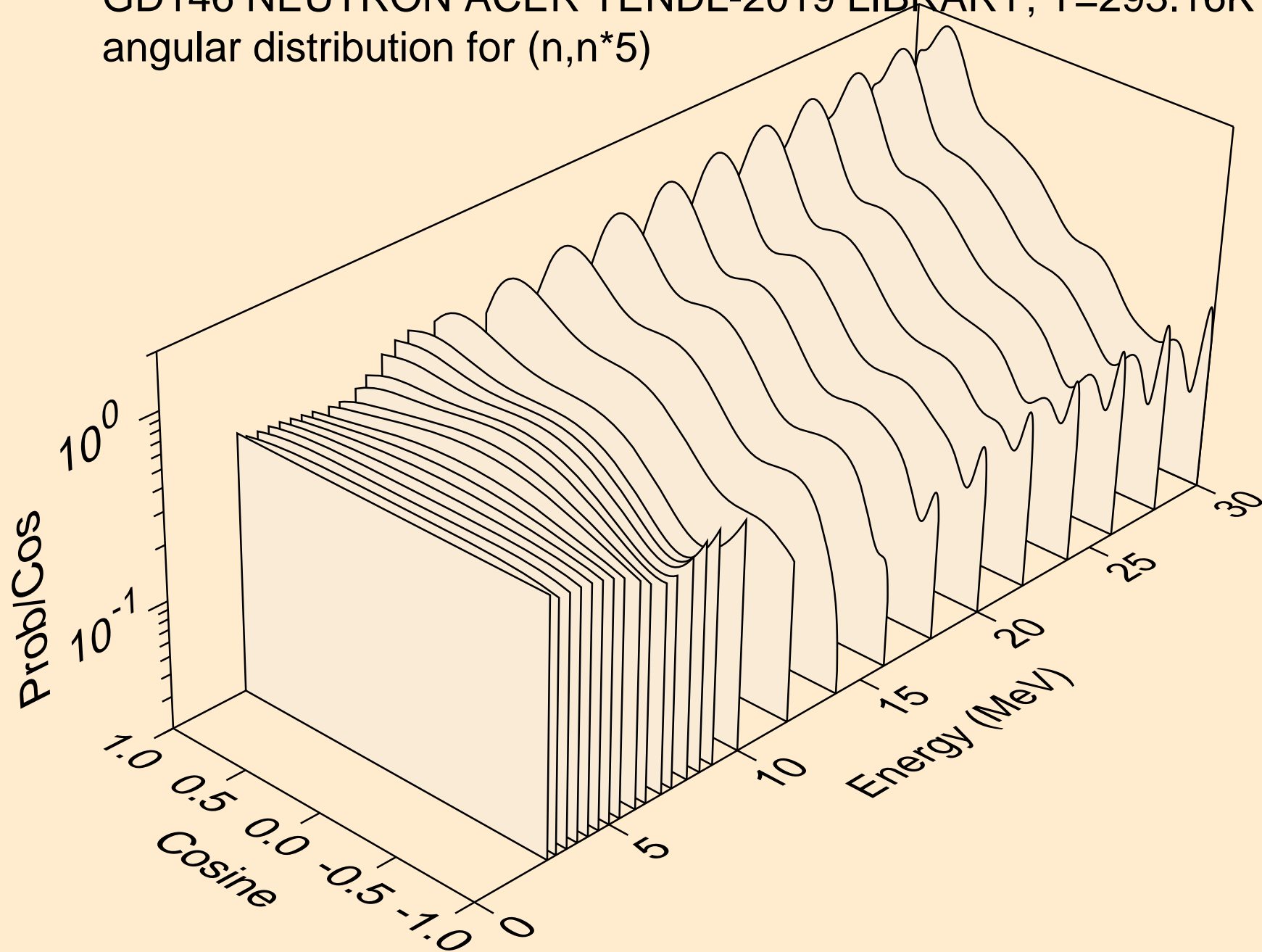
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*3)



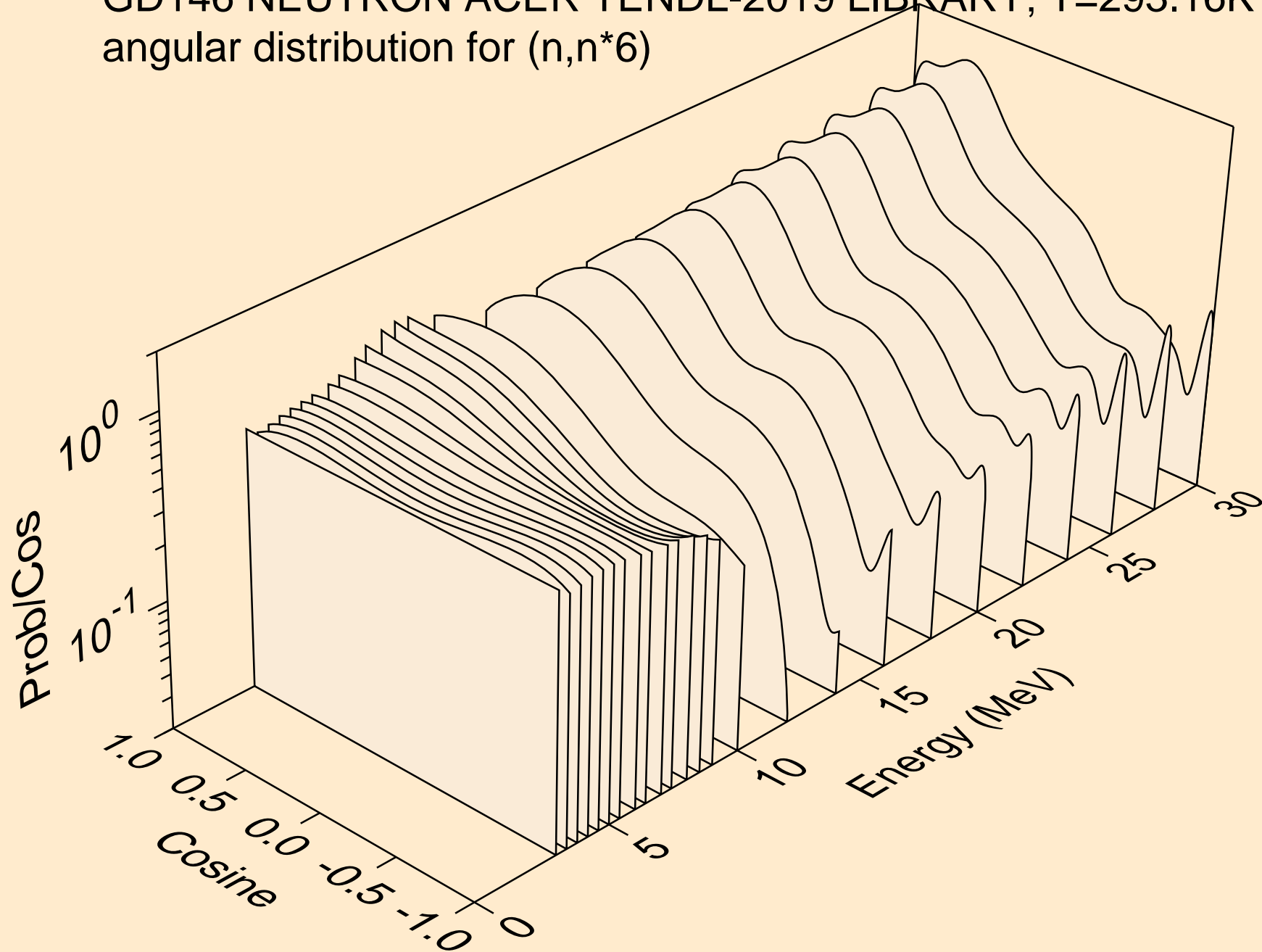
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*4)



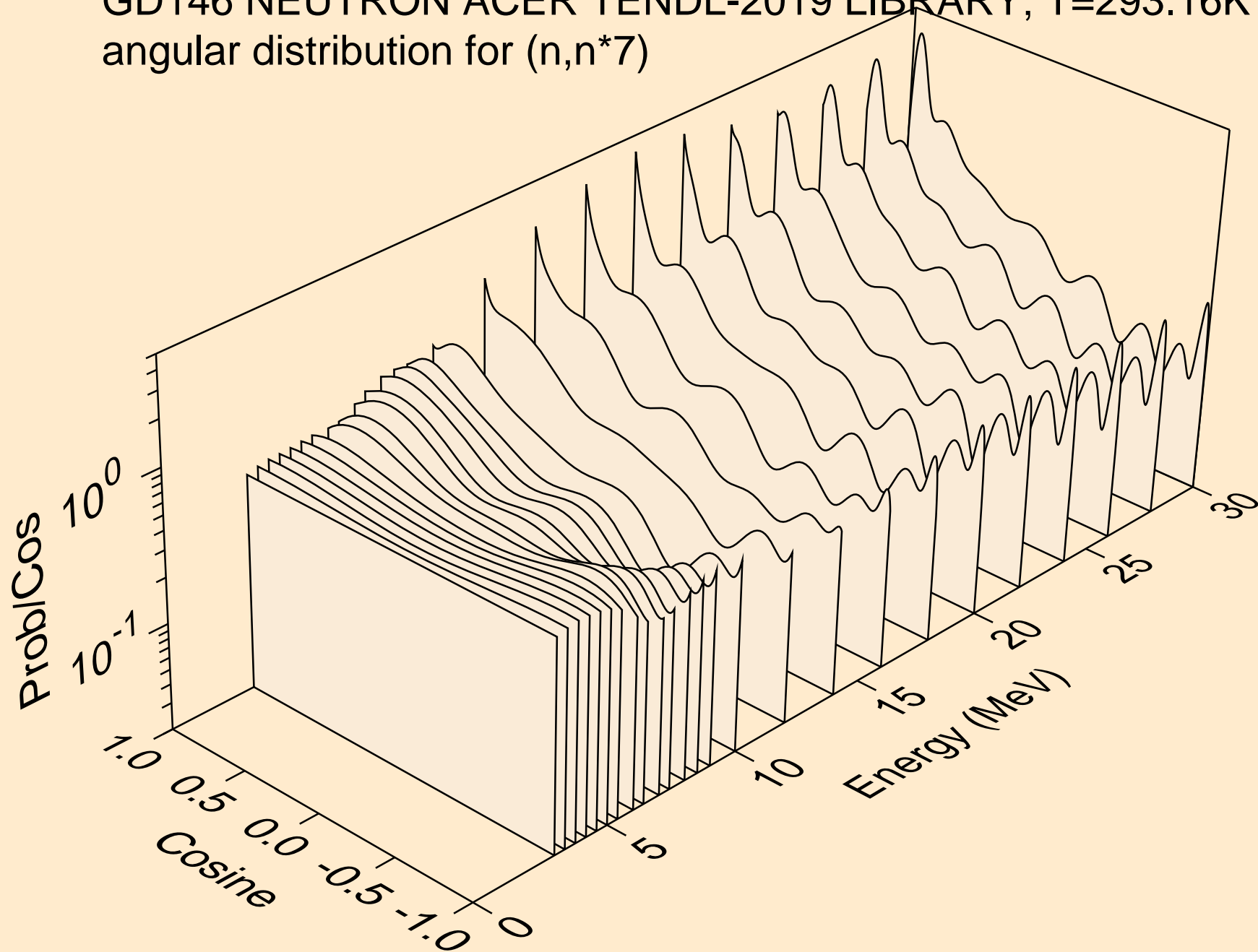
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*5)



GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*6)

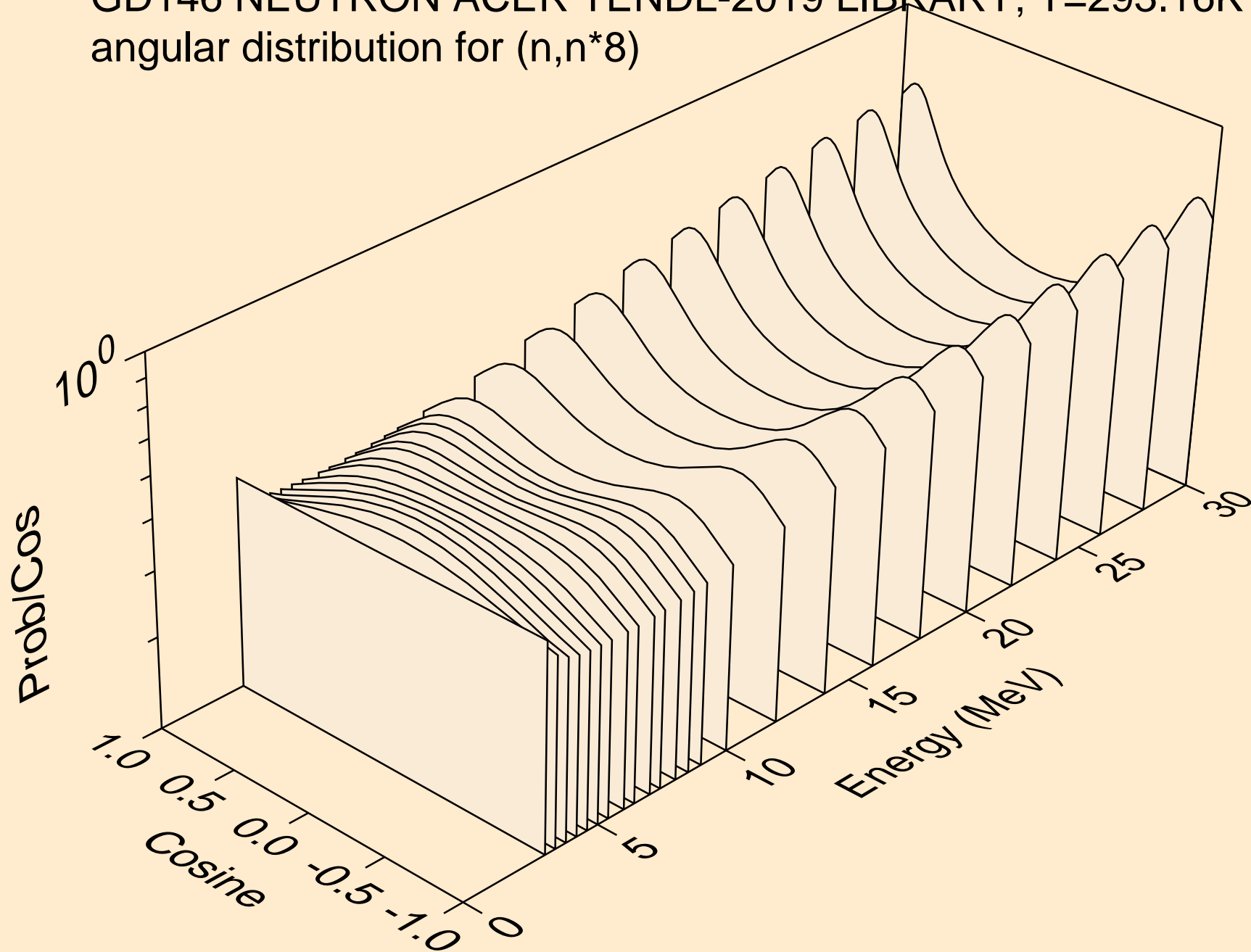


GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*7)

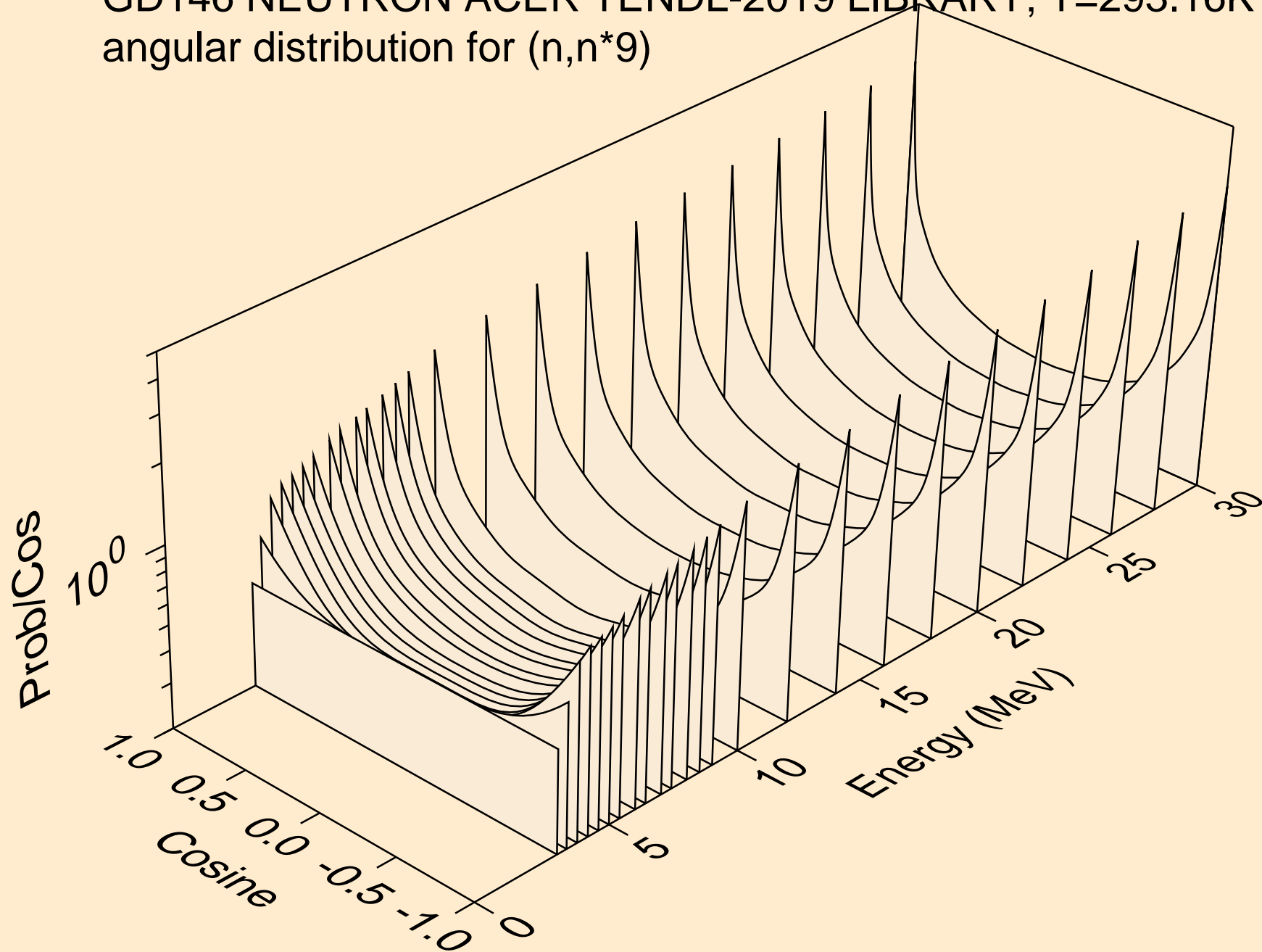




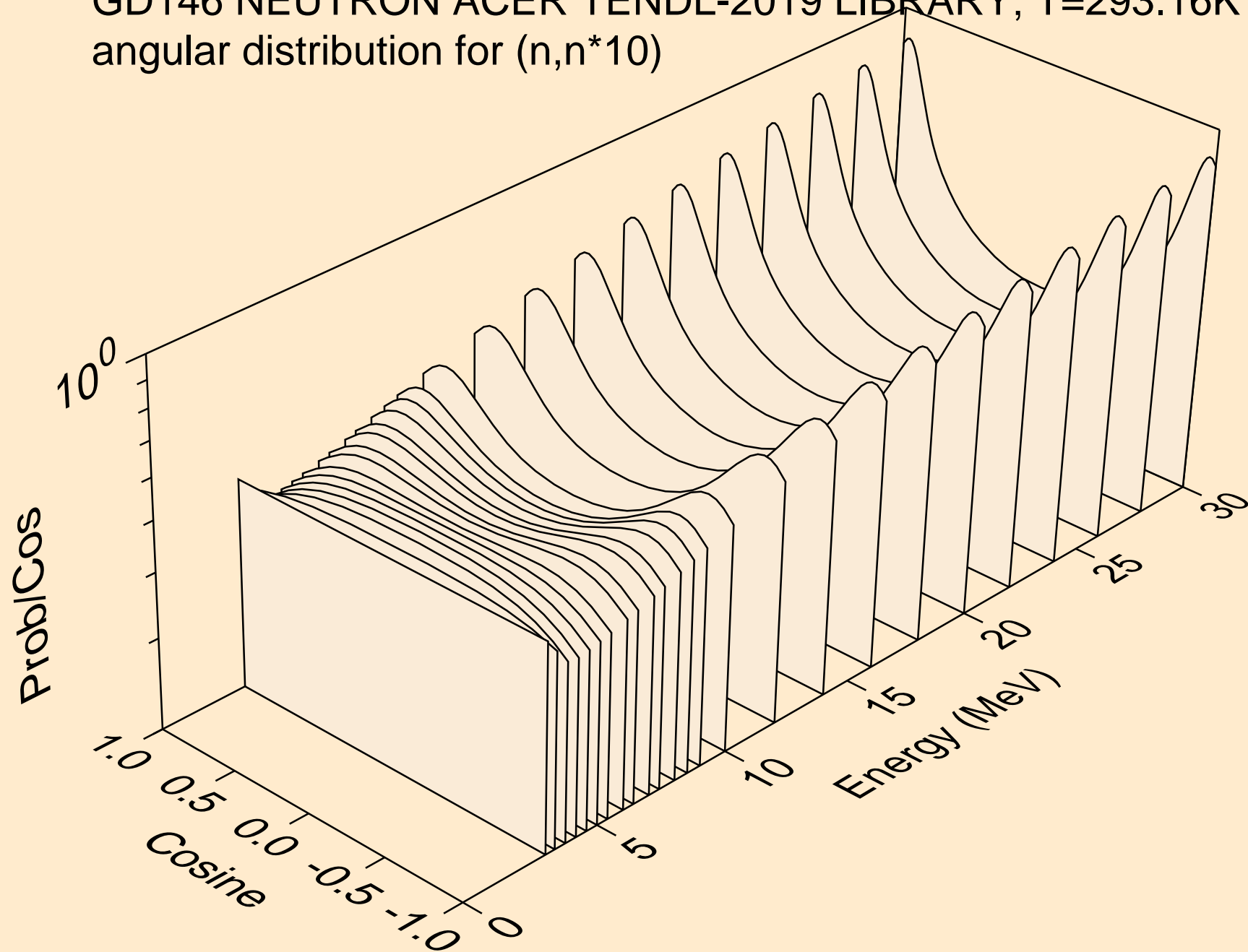
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*8)



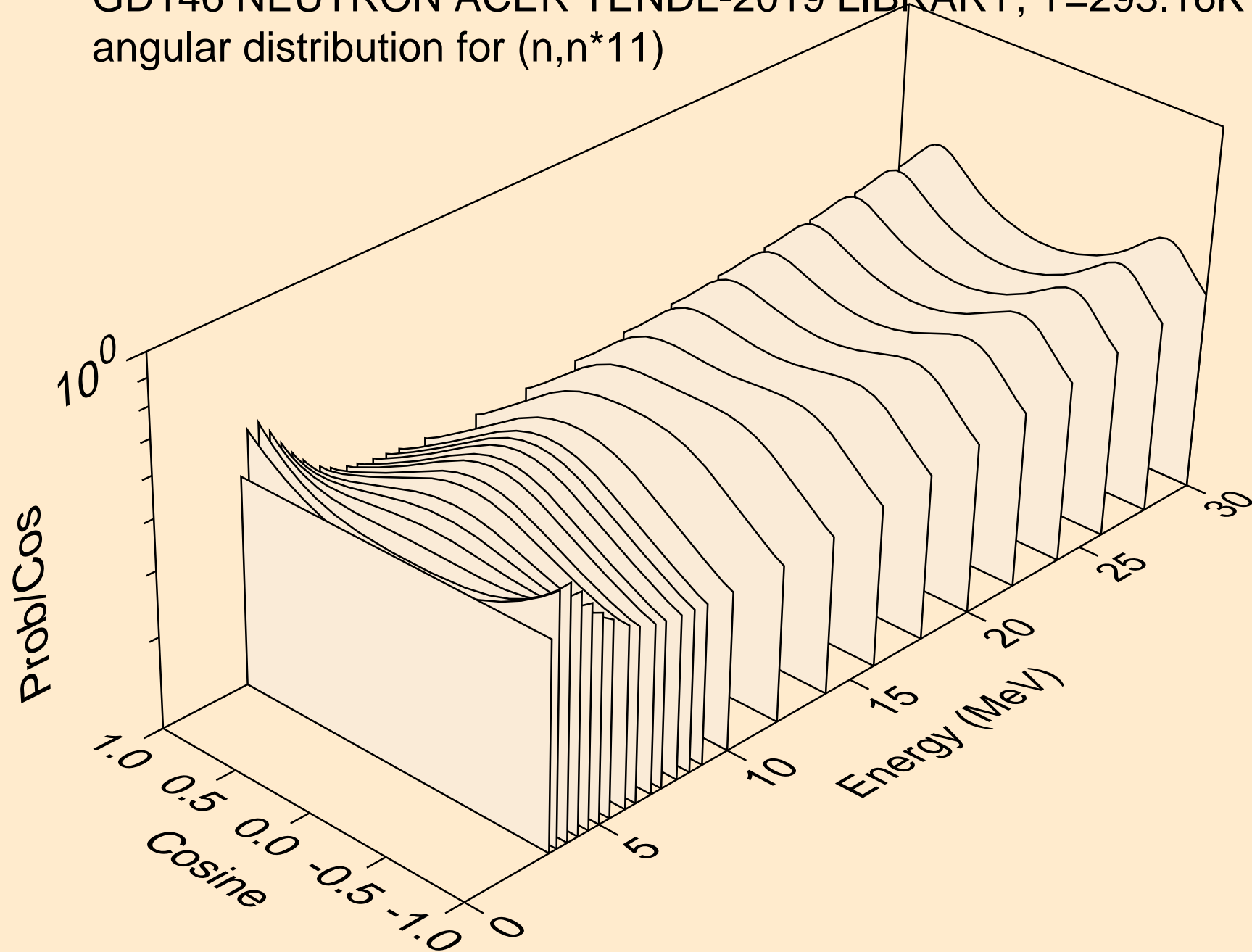
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*9)



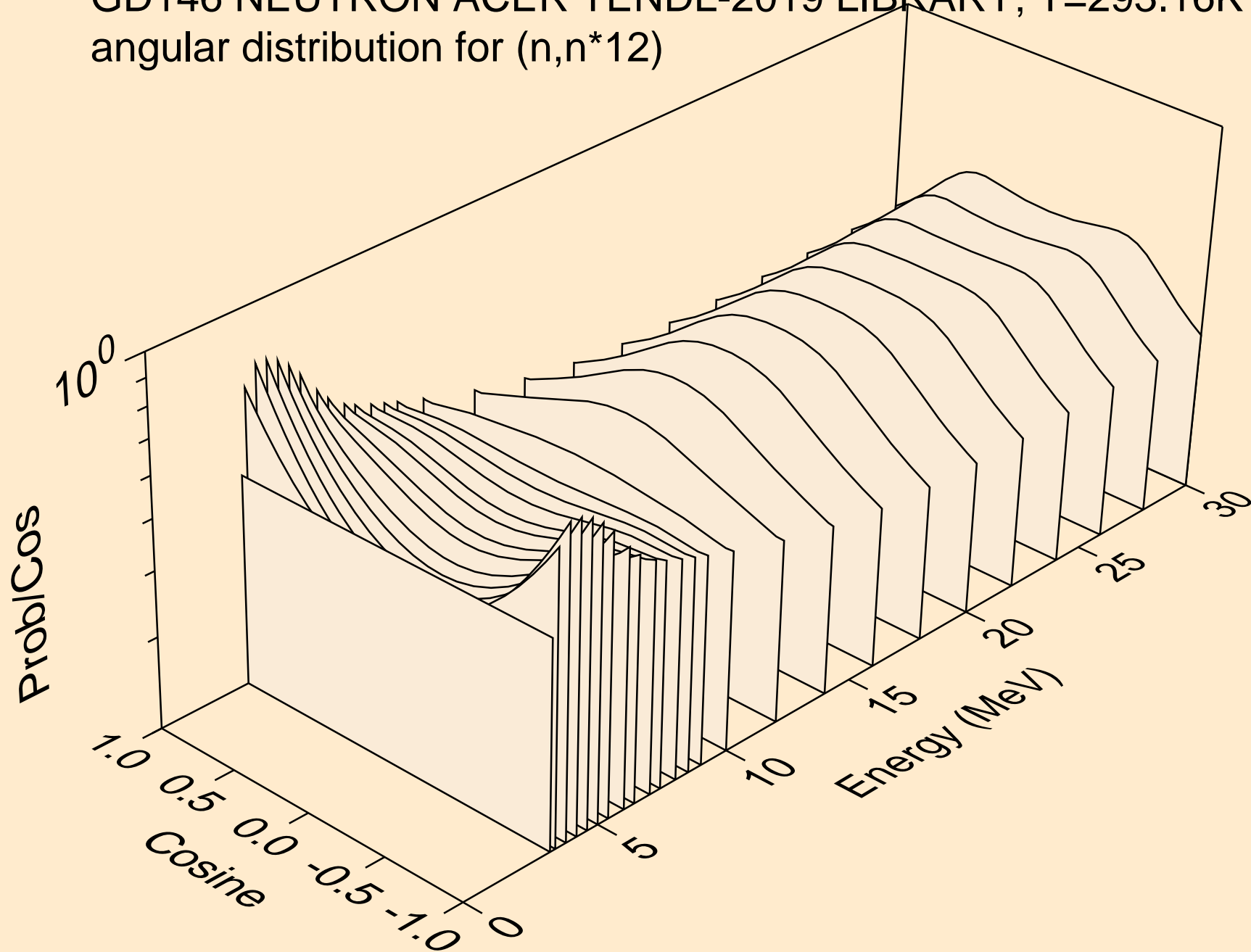
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*10)



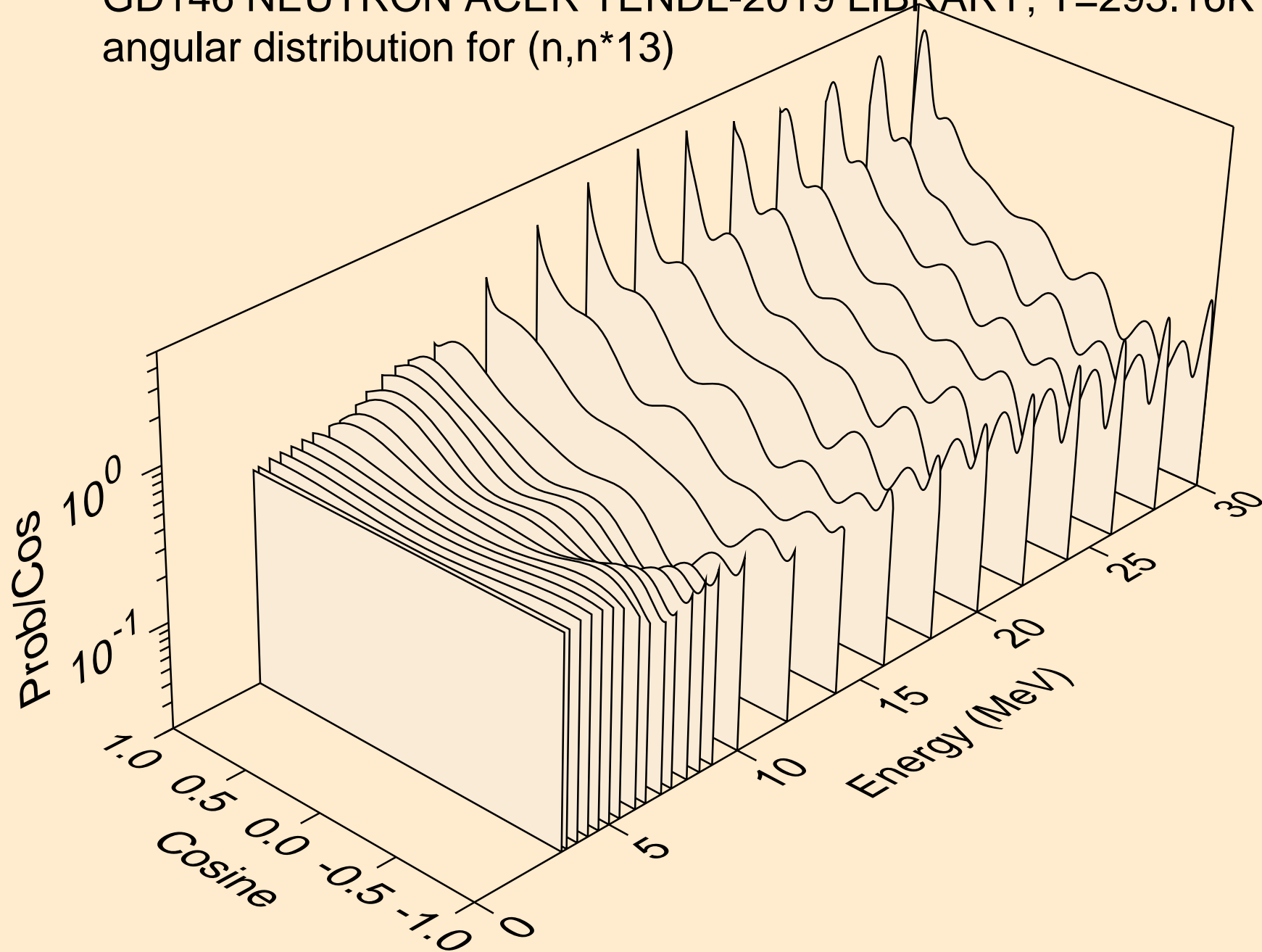
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*11)



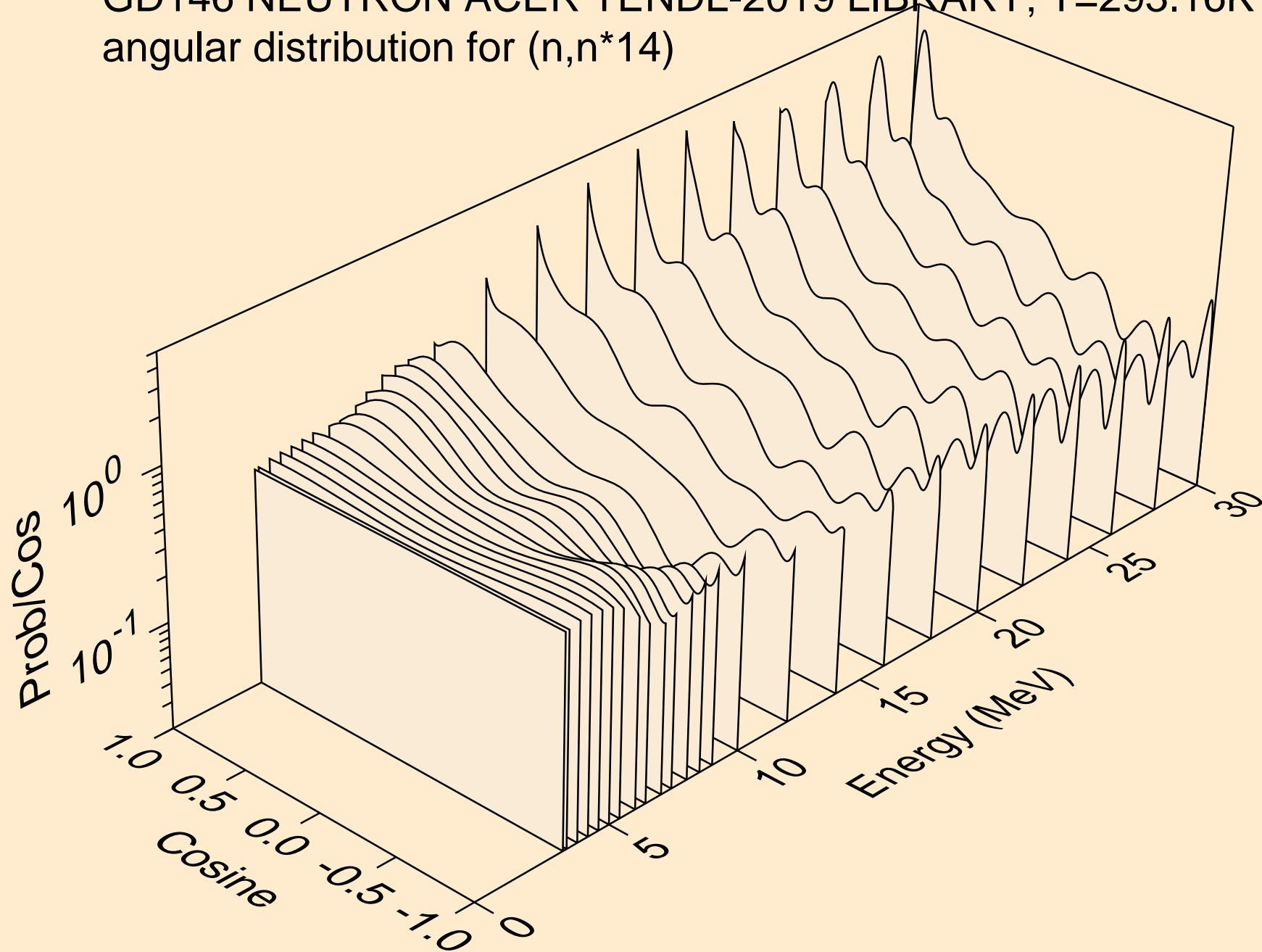
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*12)



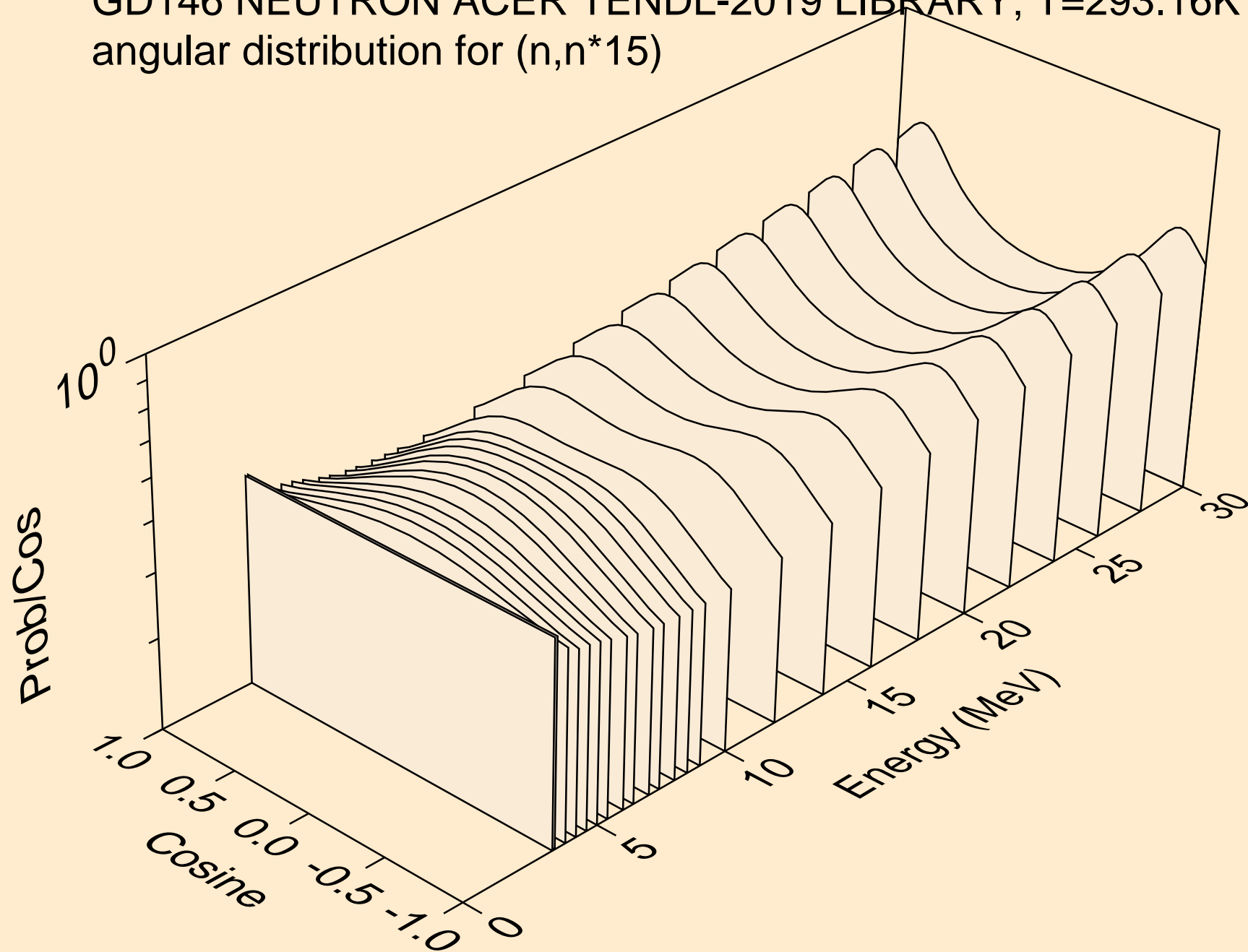
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*13)



GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*14)

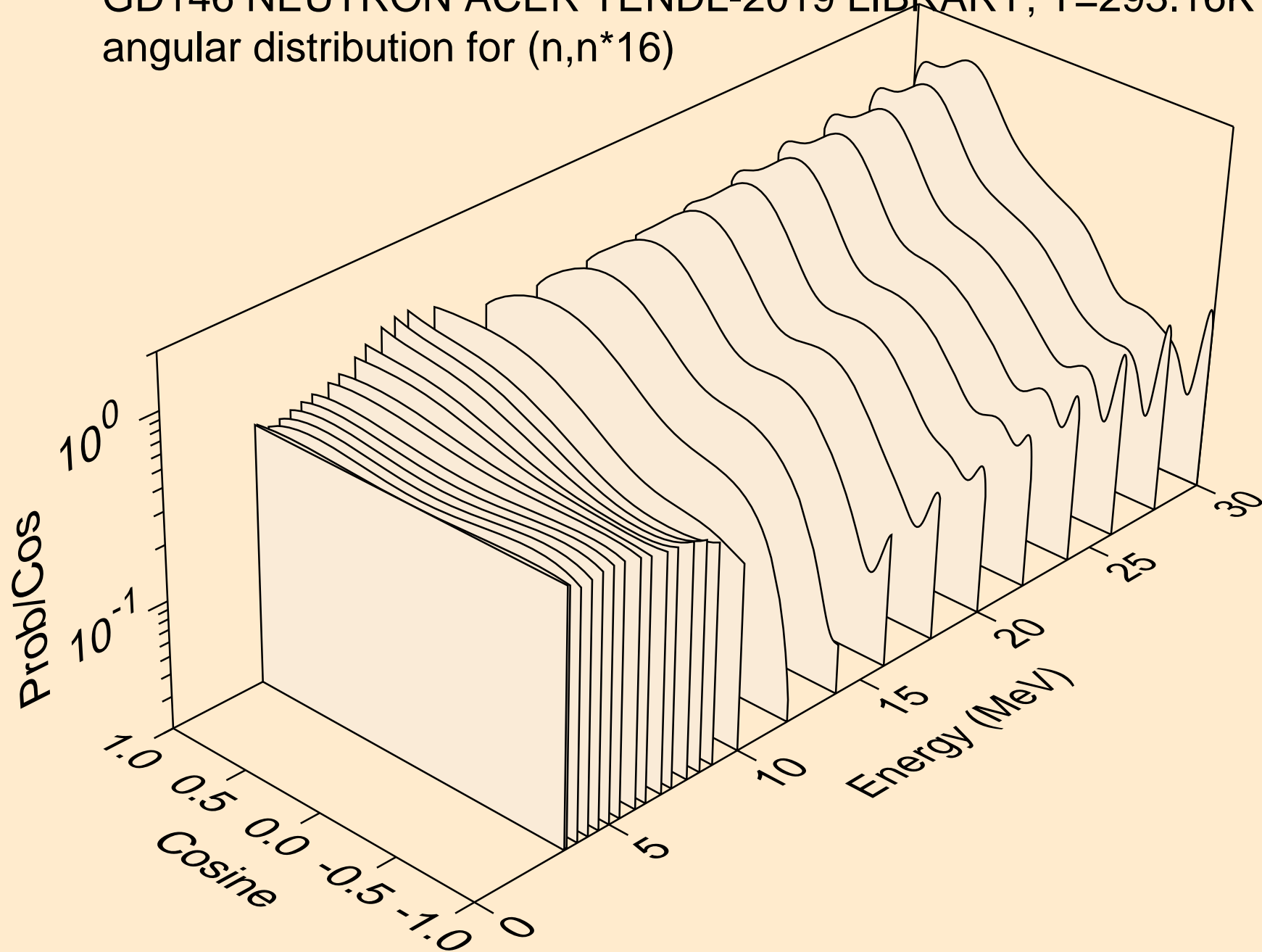


GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*15)

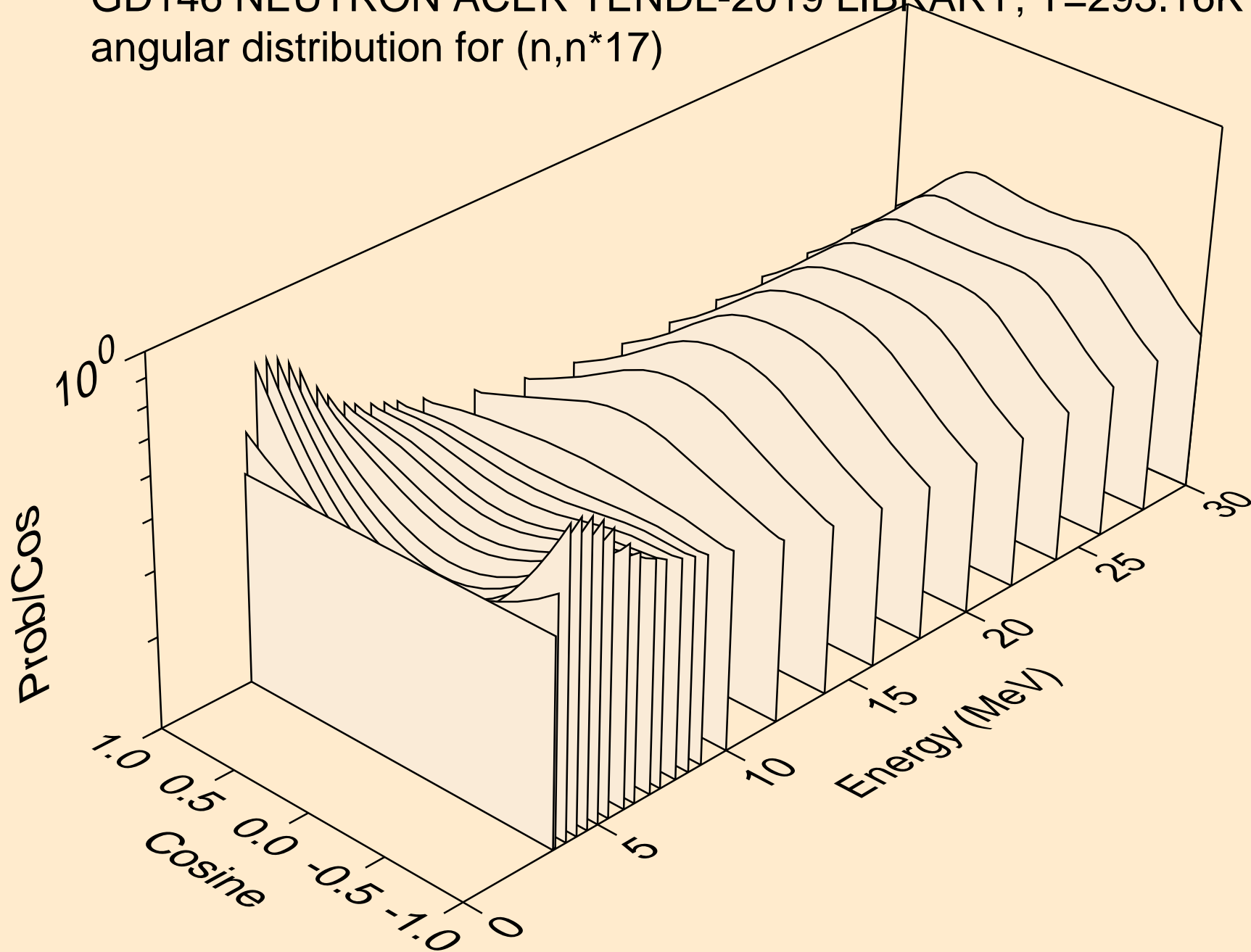




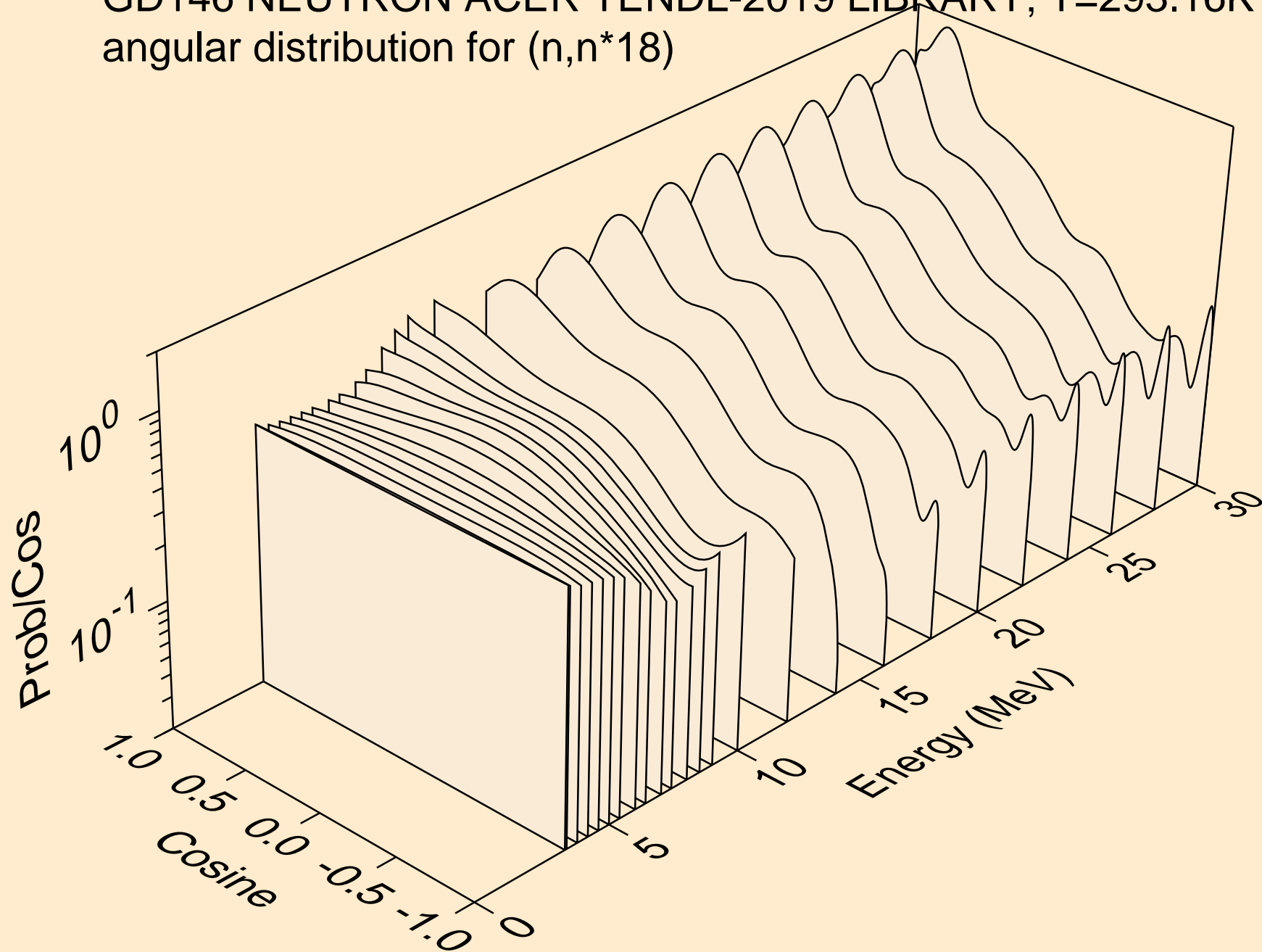
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*16)



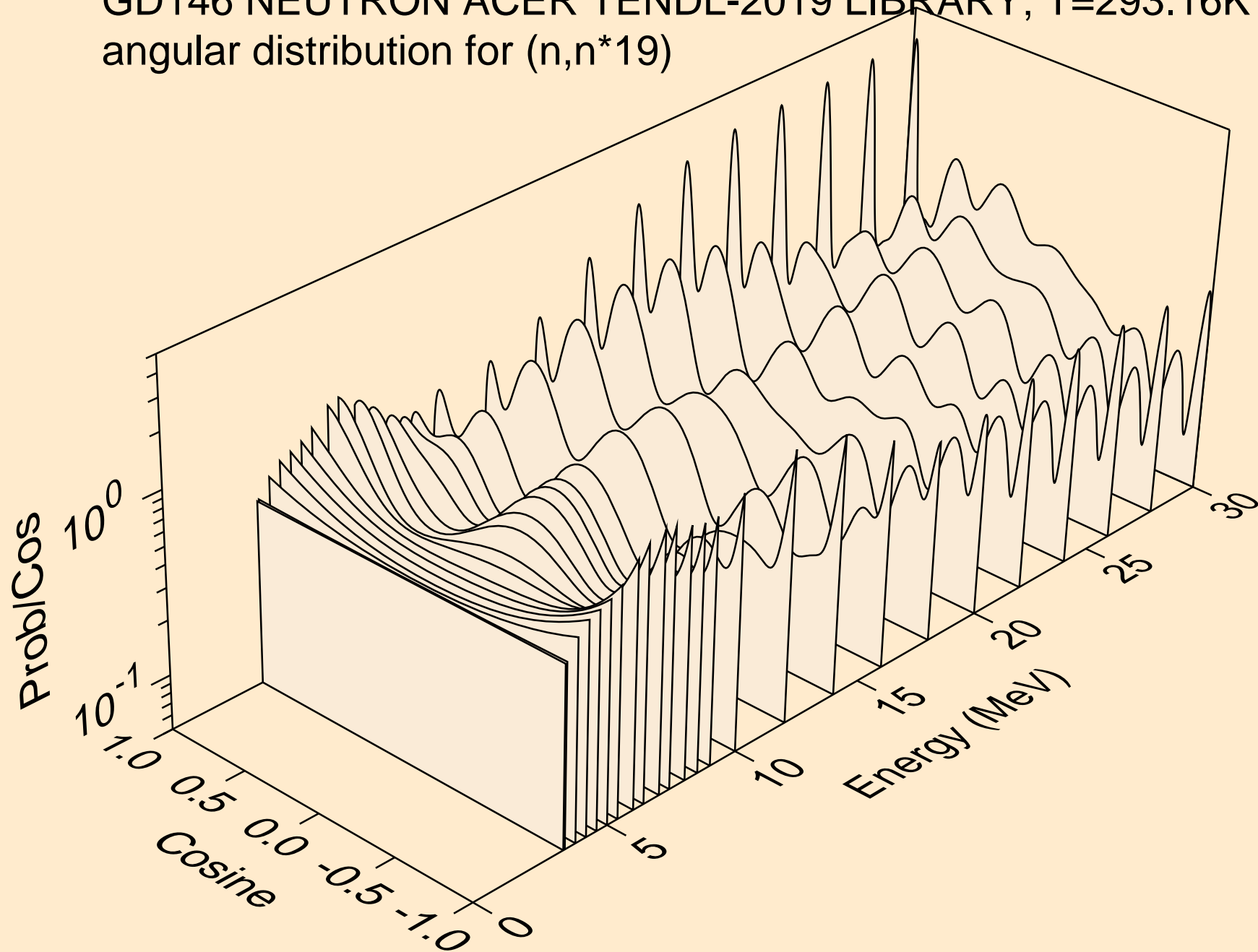
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*17)



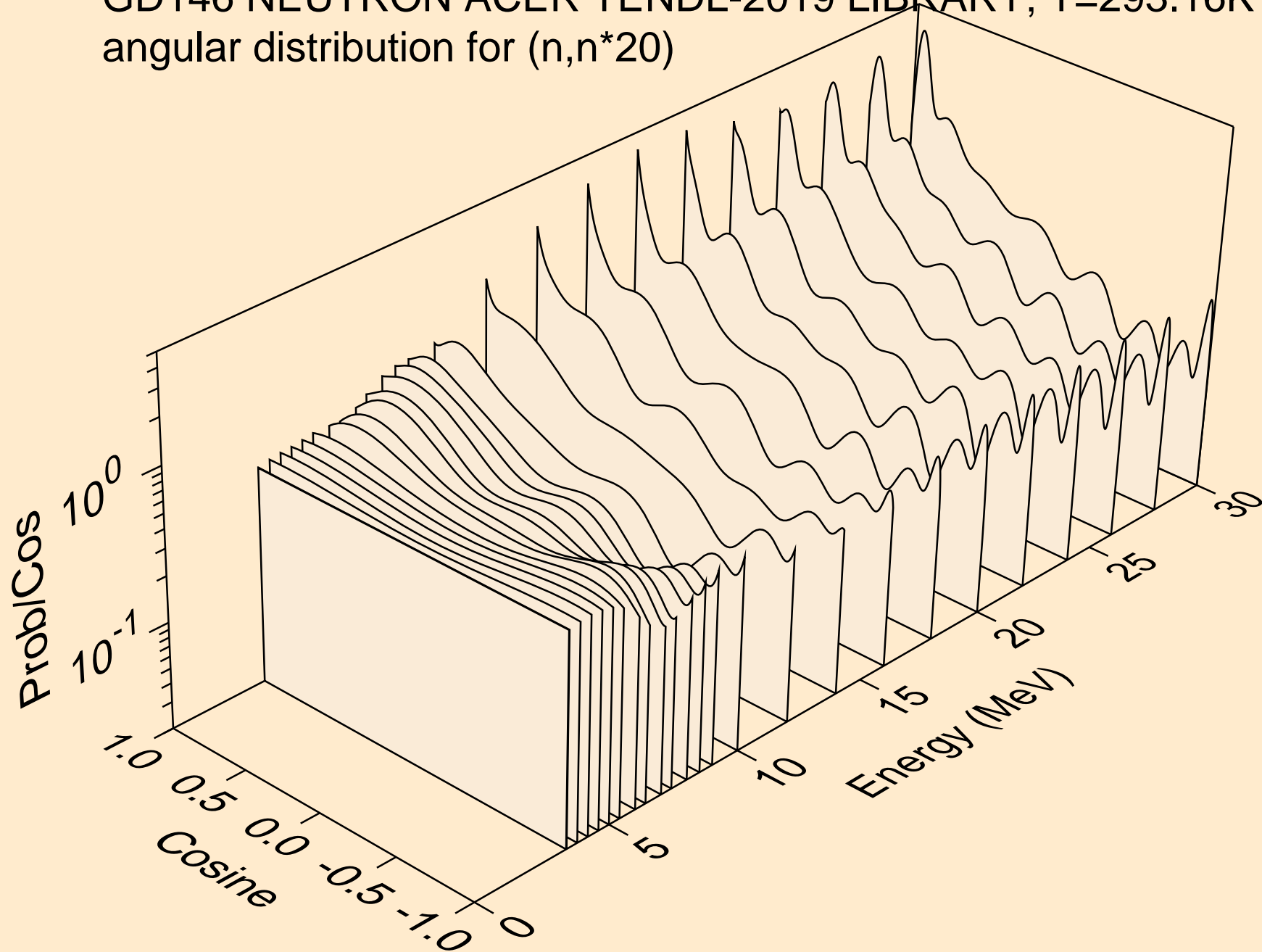
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*18)



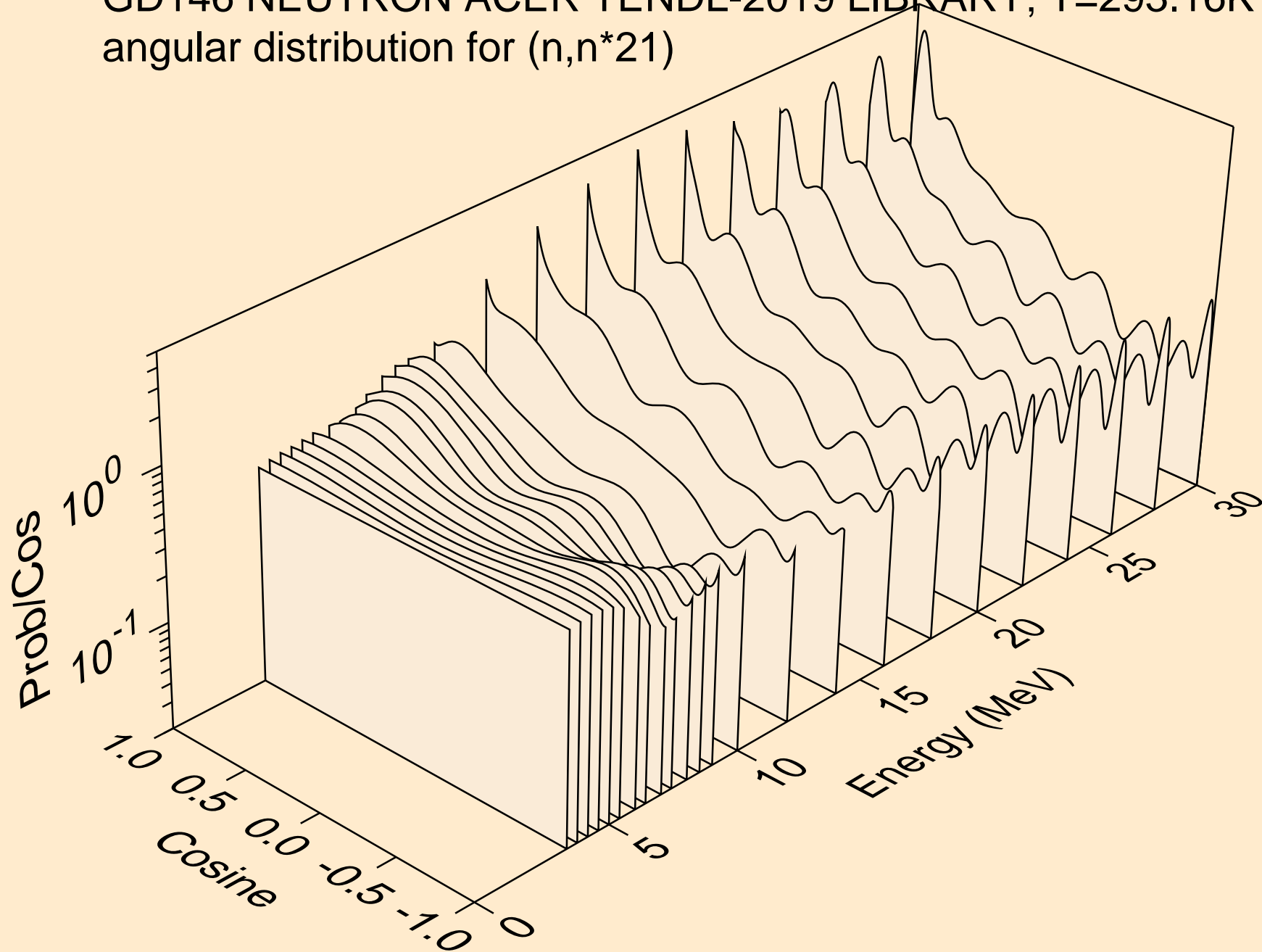
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*19)



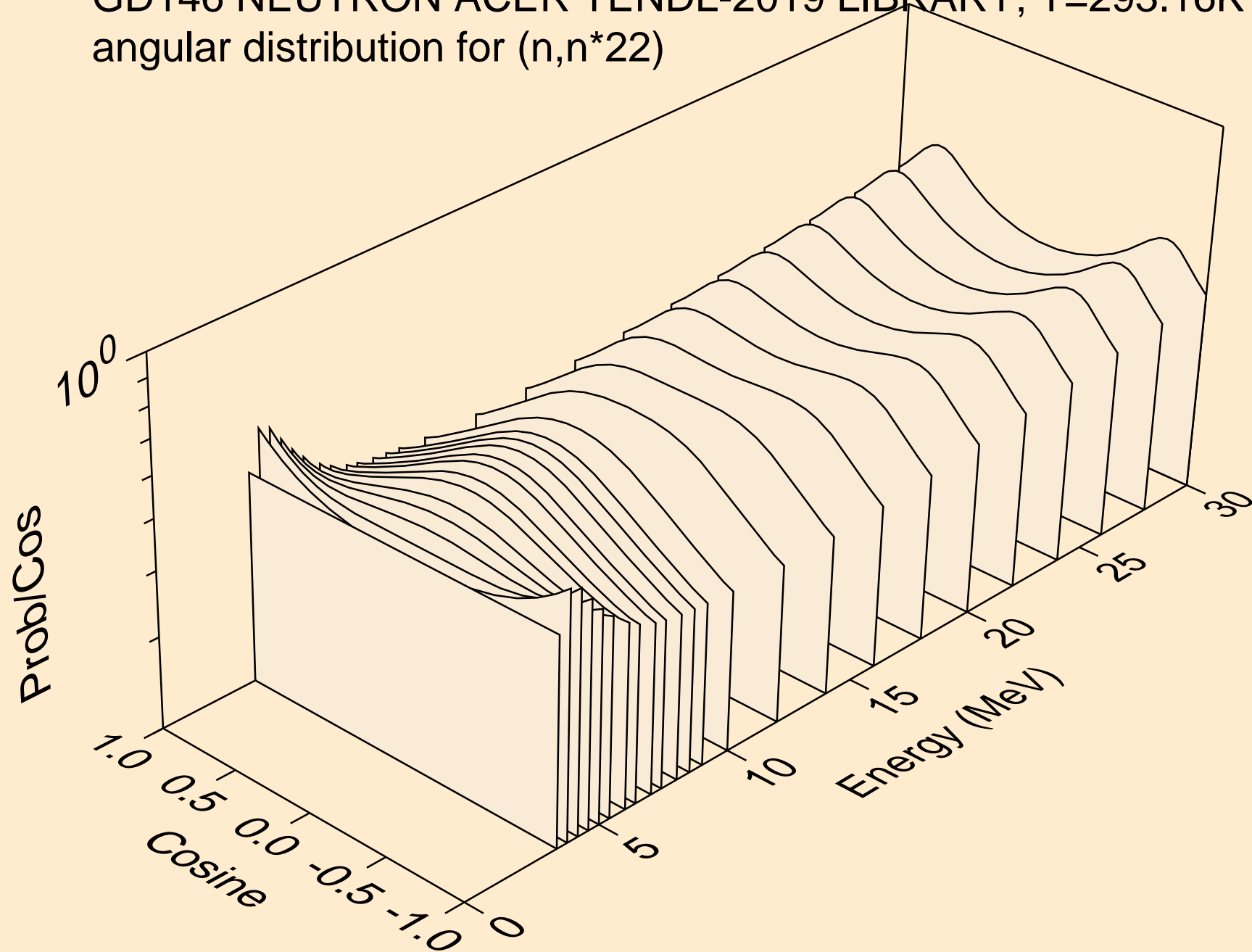
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*20)



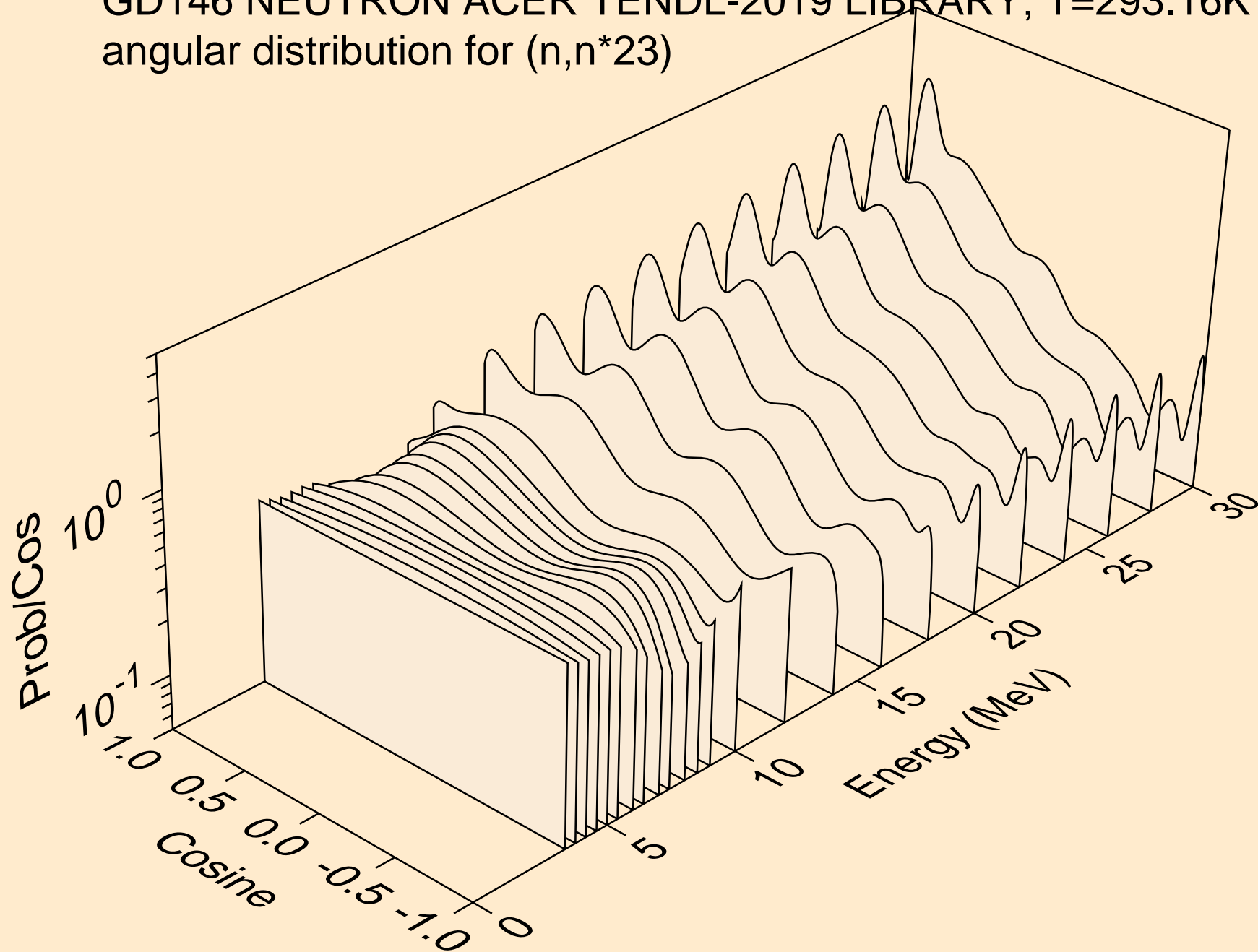
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*21)



GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*22)

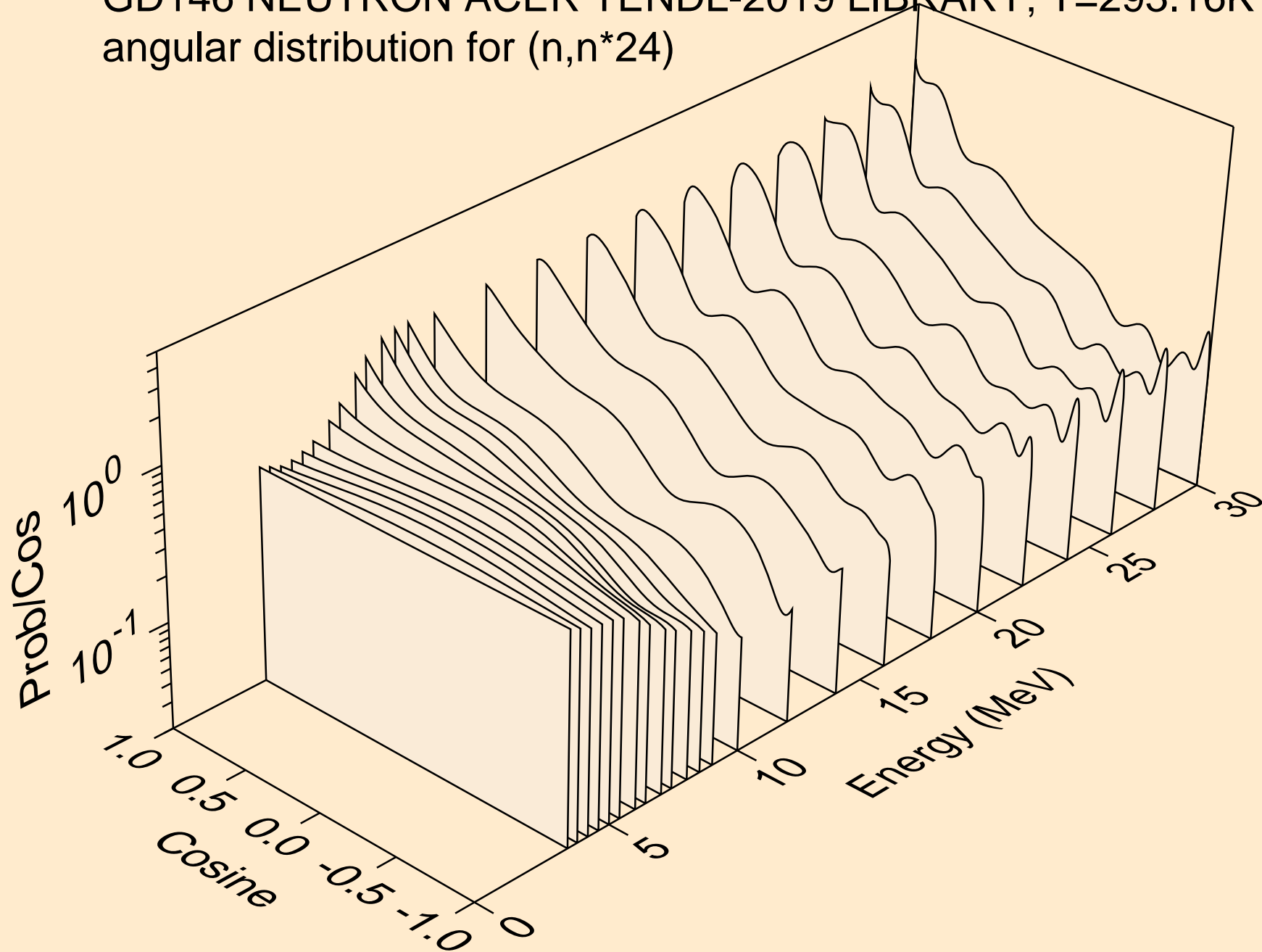


GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*23)

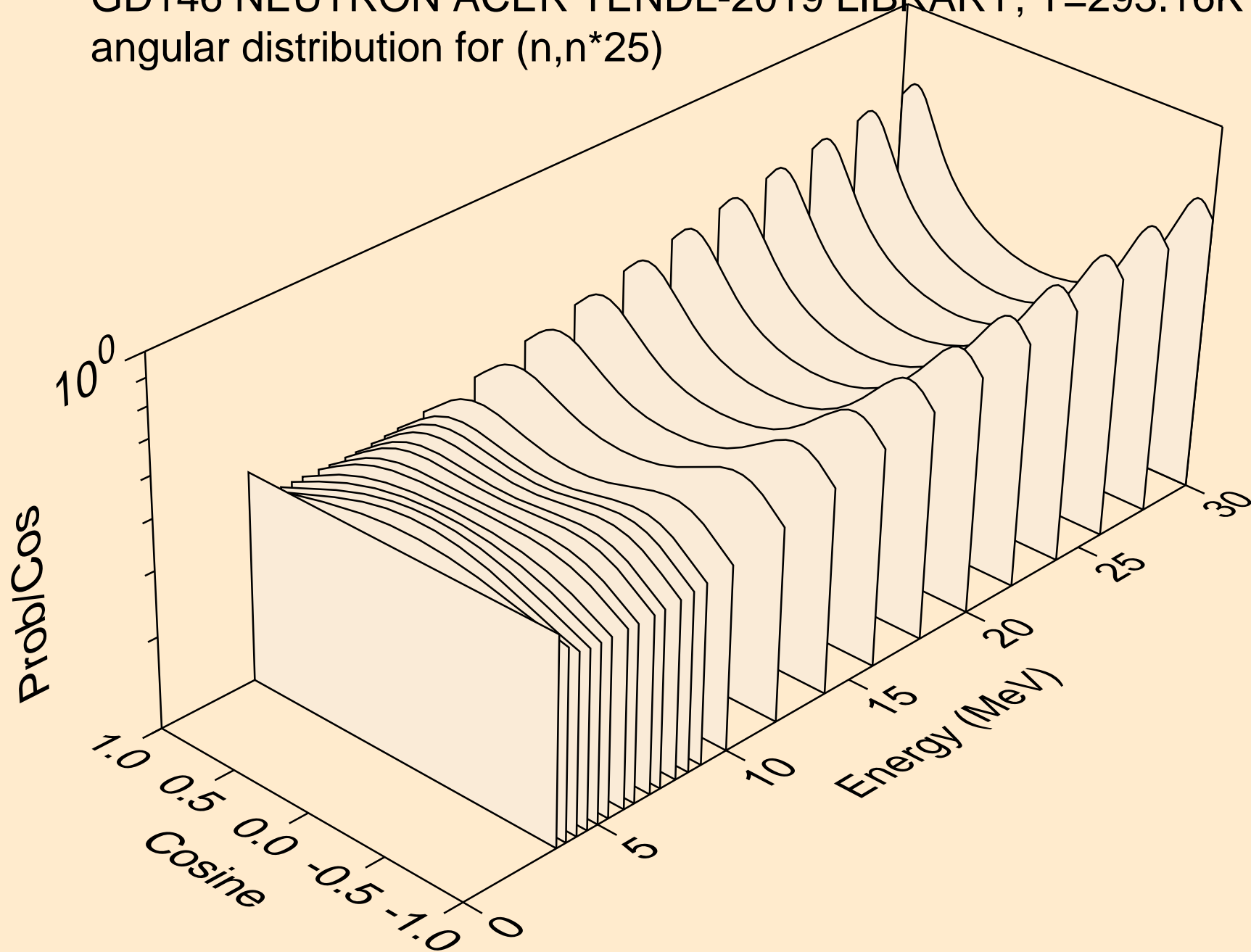




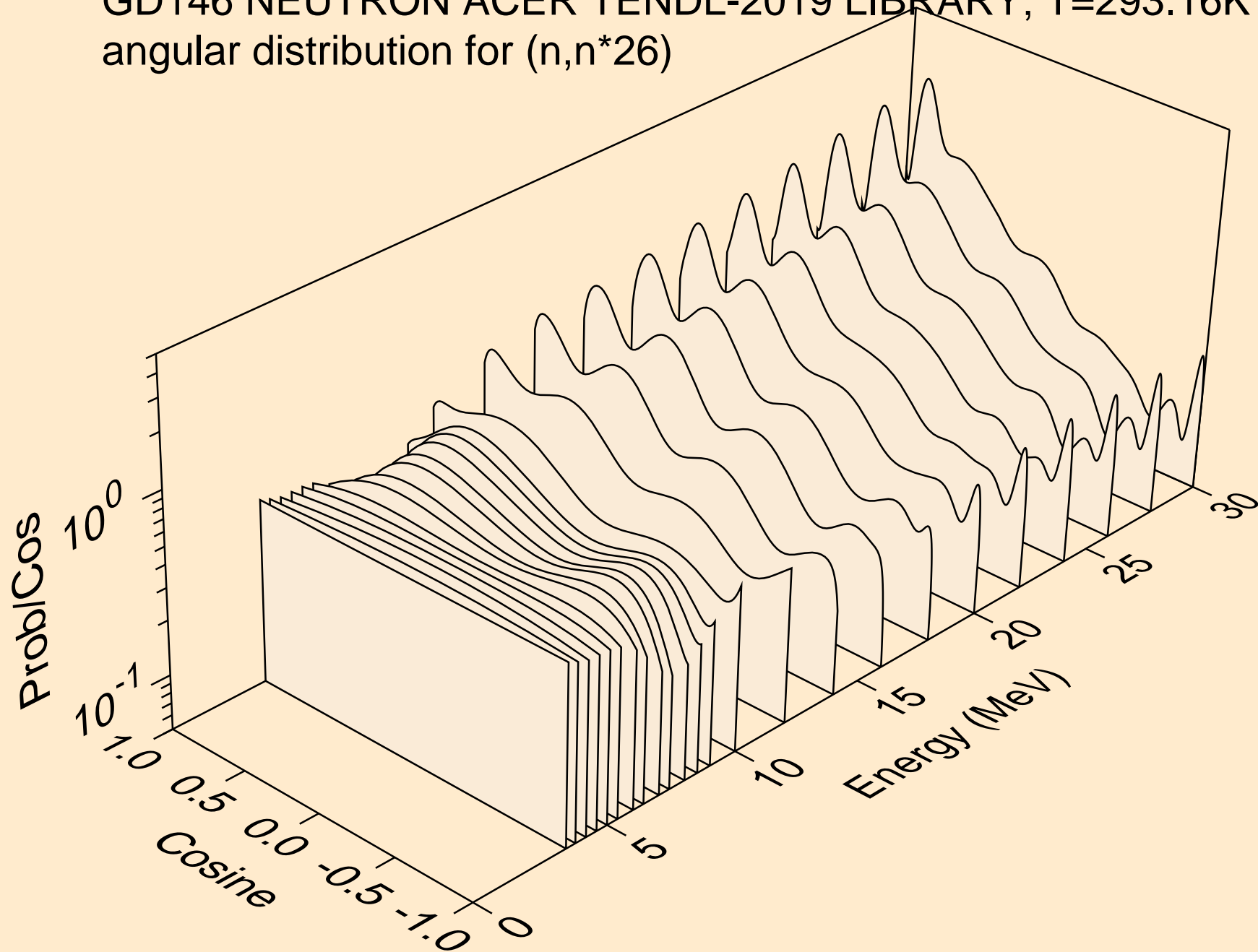
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*24)



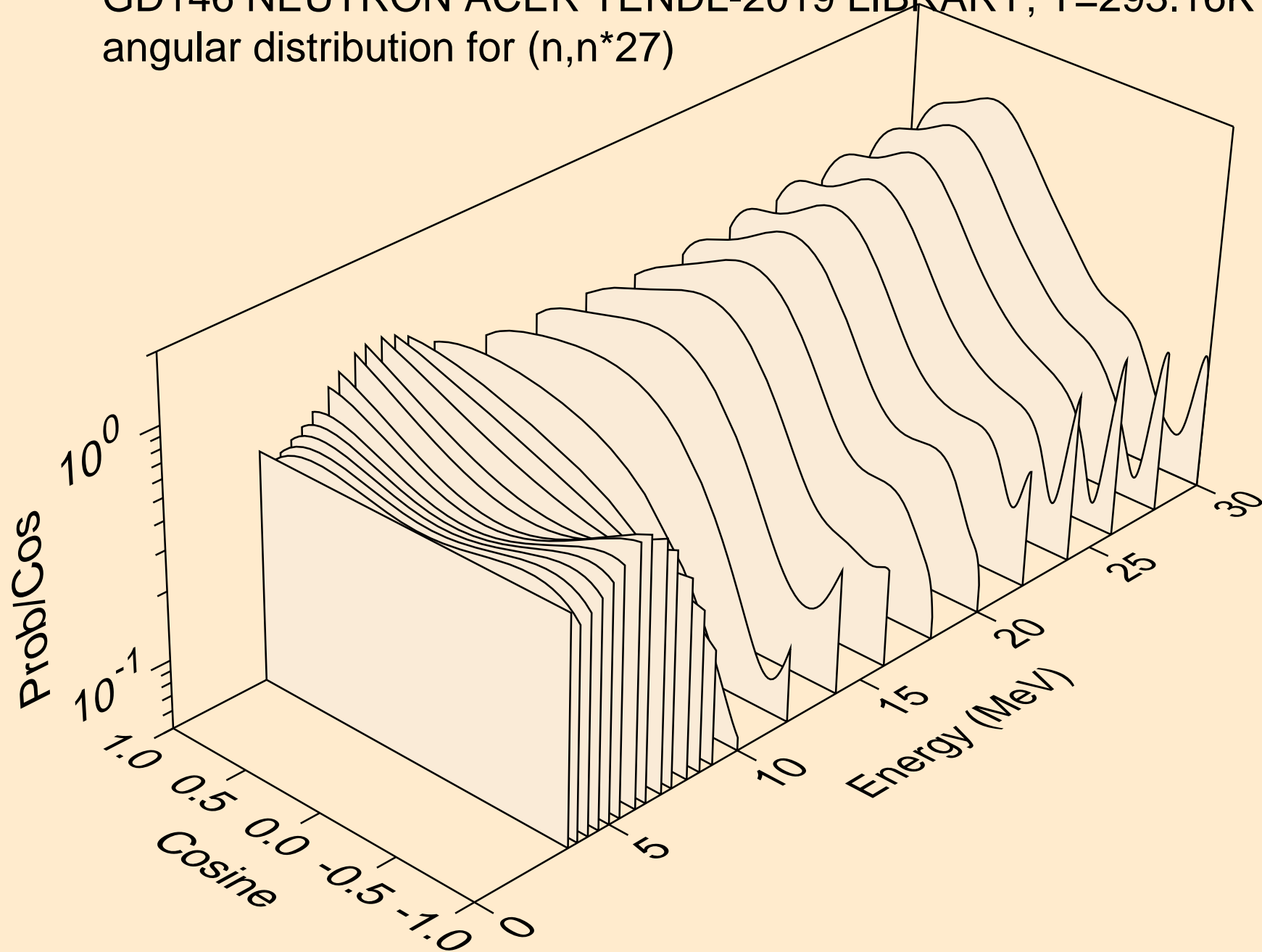
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*25)



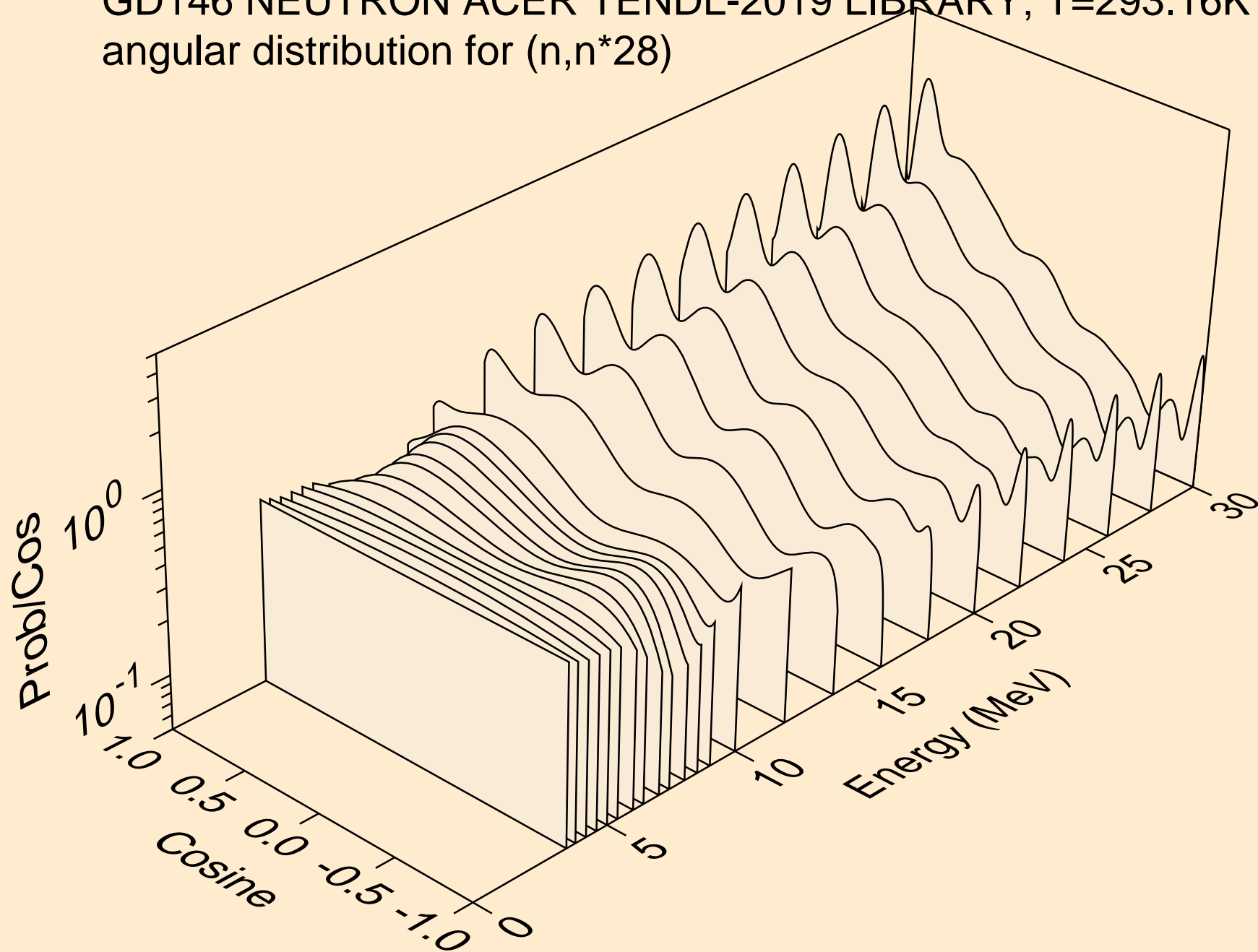
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*26)



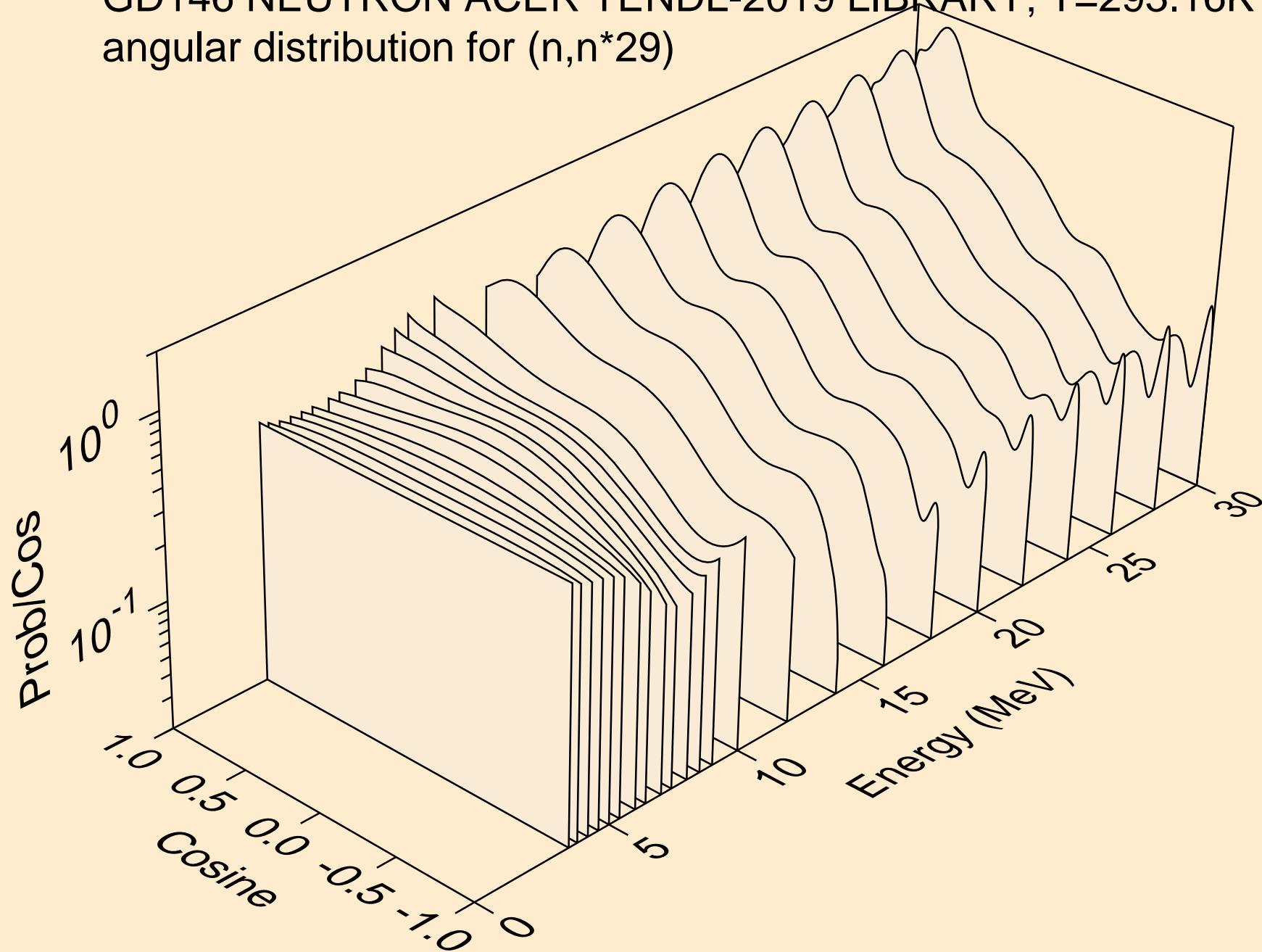
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*27)



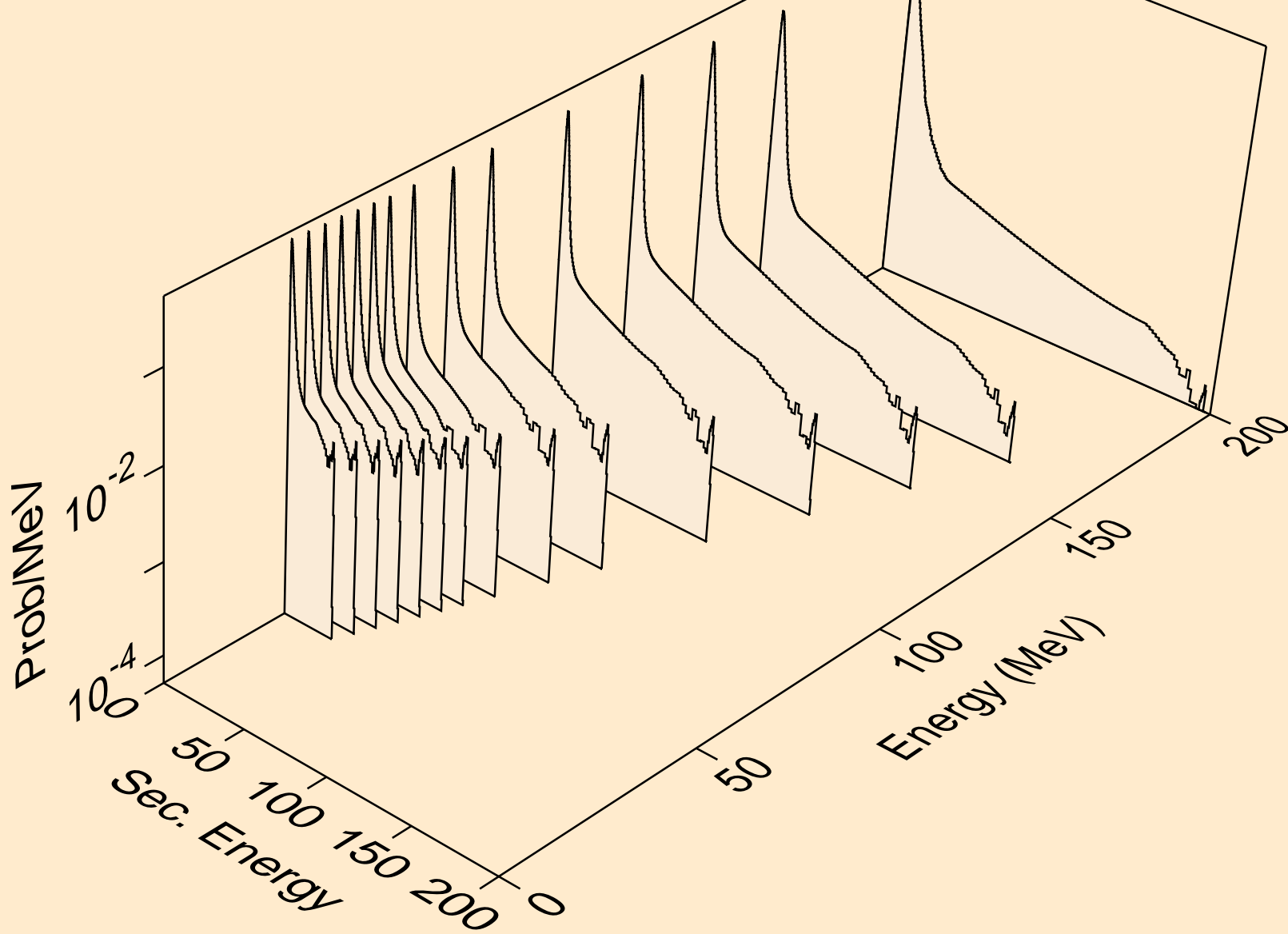
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*28)



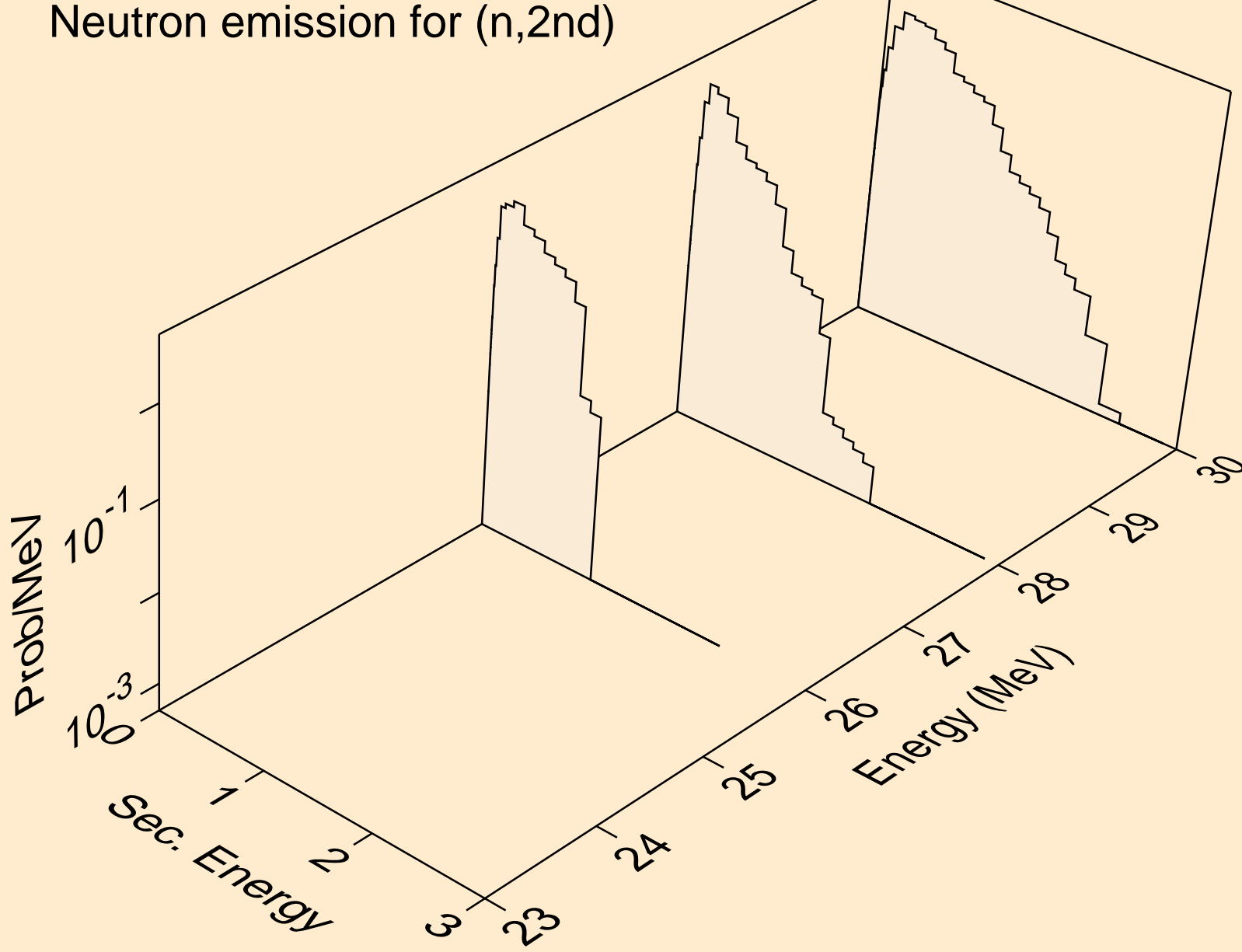
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*29)



GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)

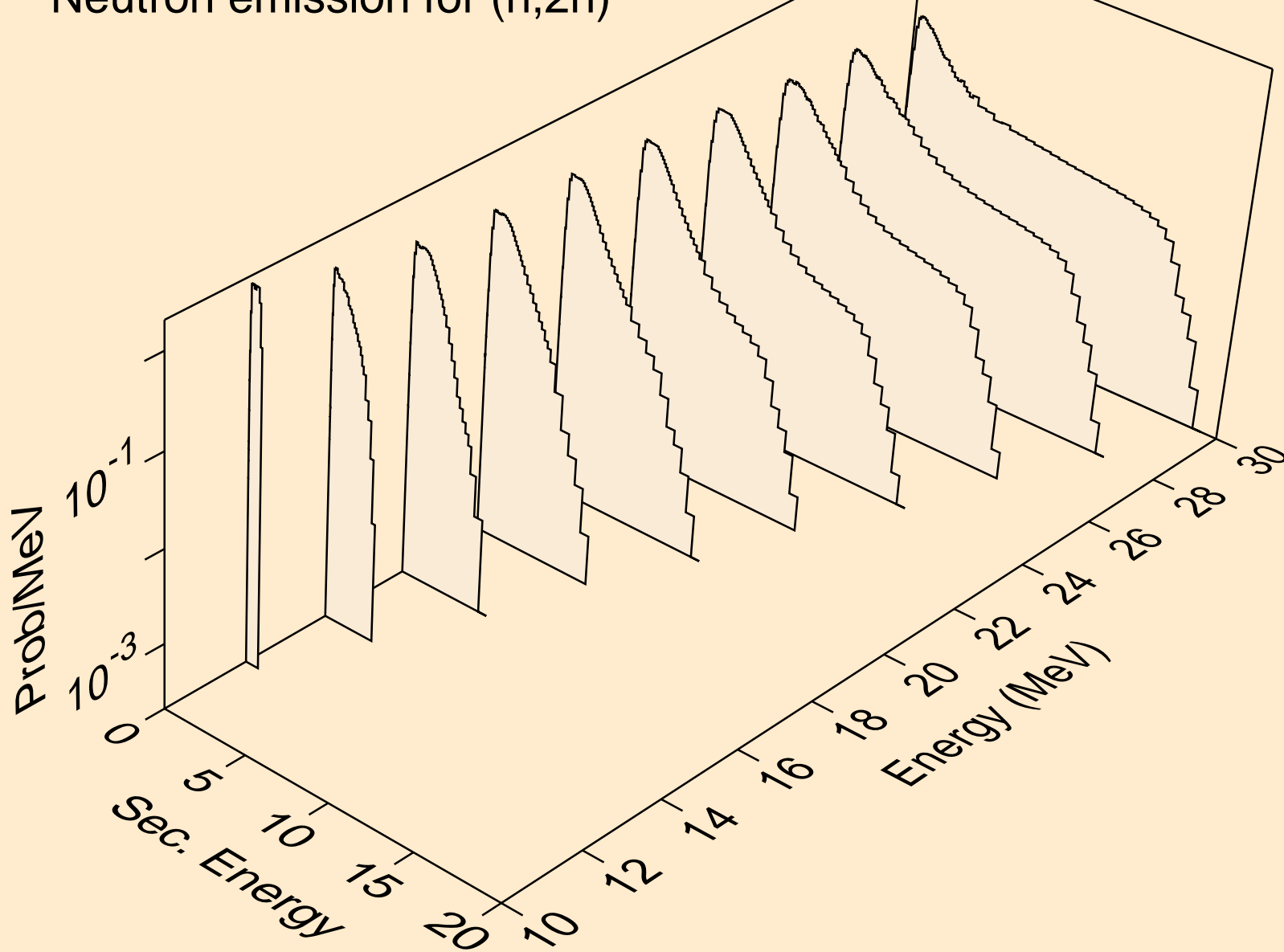


GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)

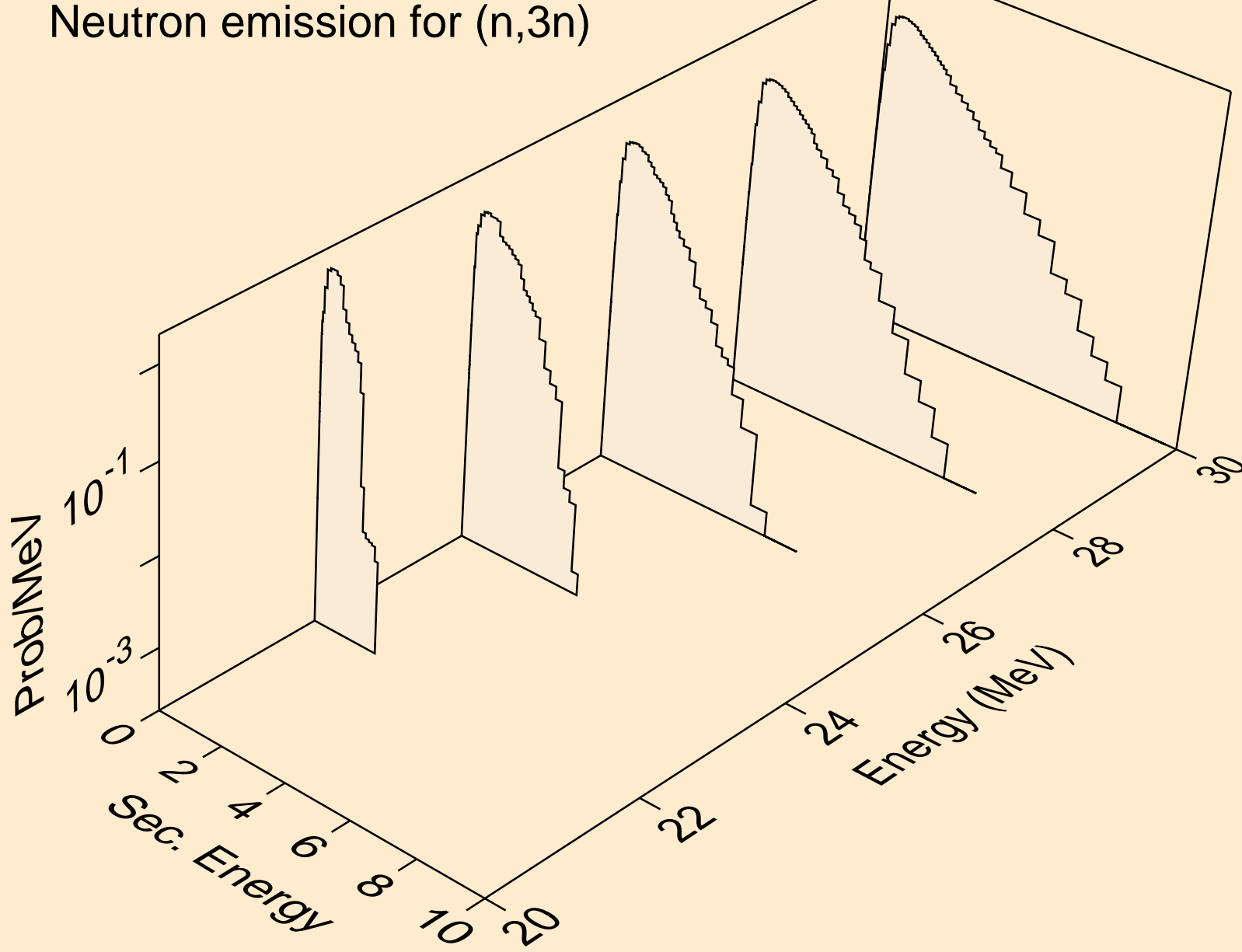




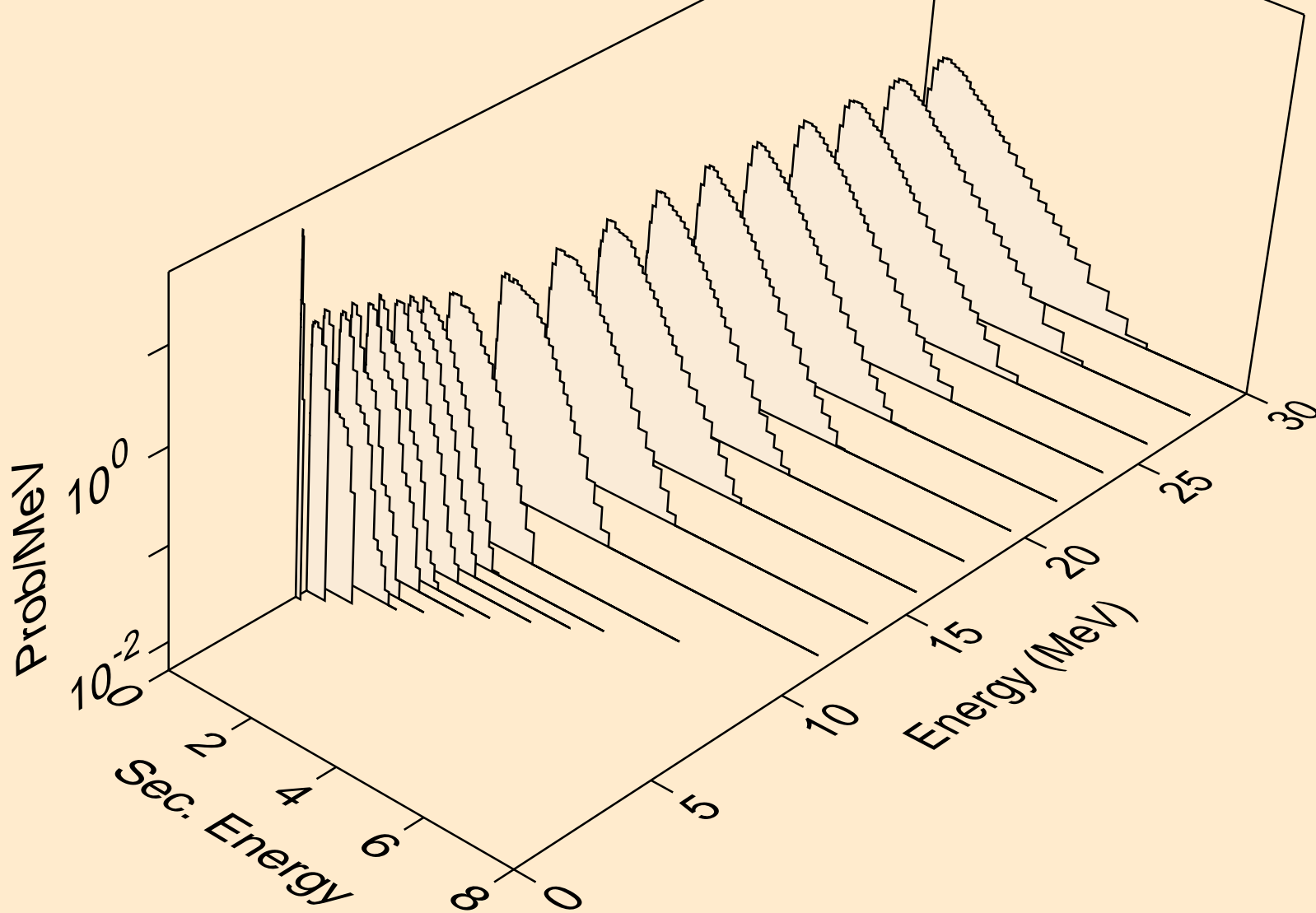
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



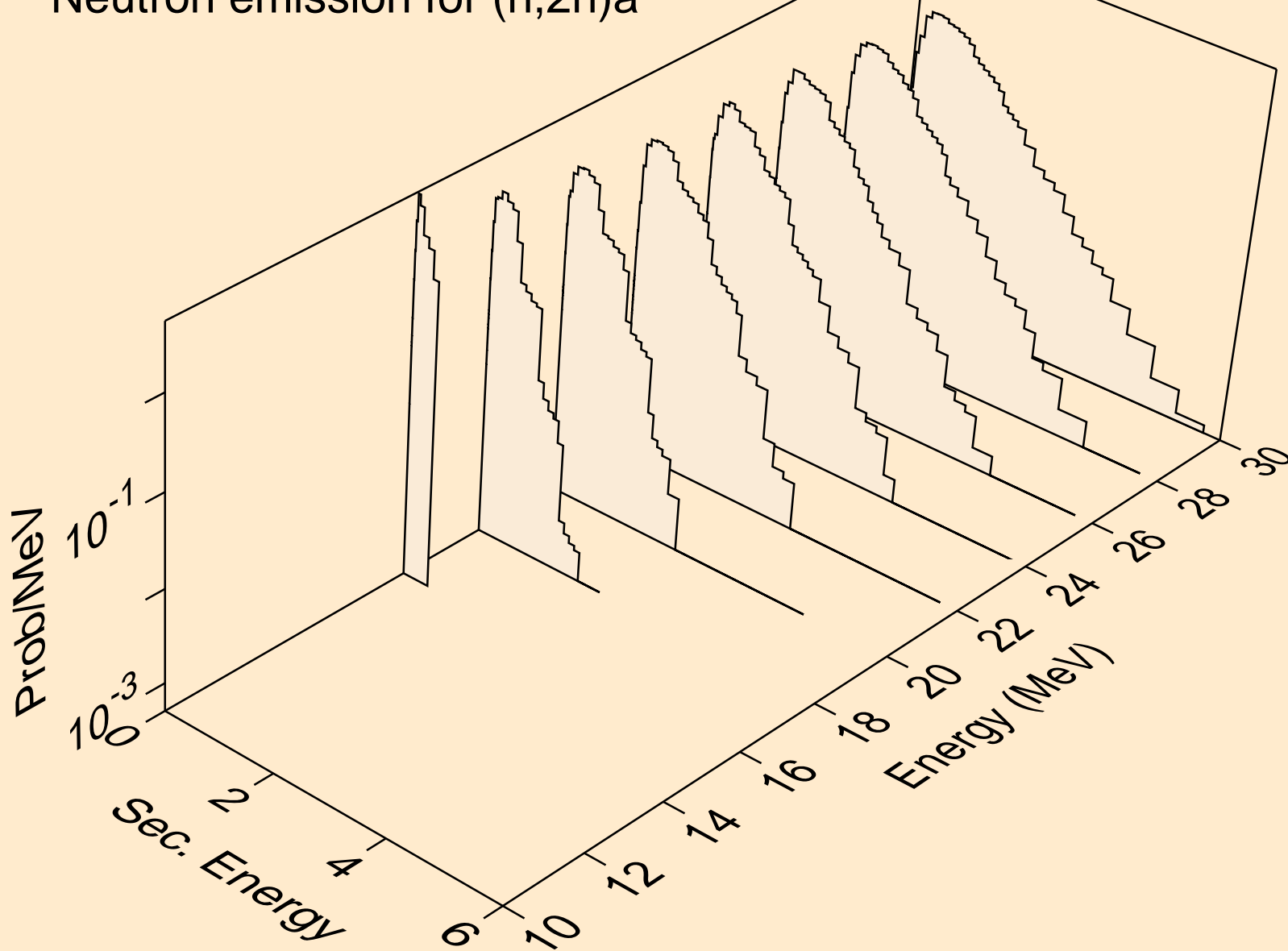
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)



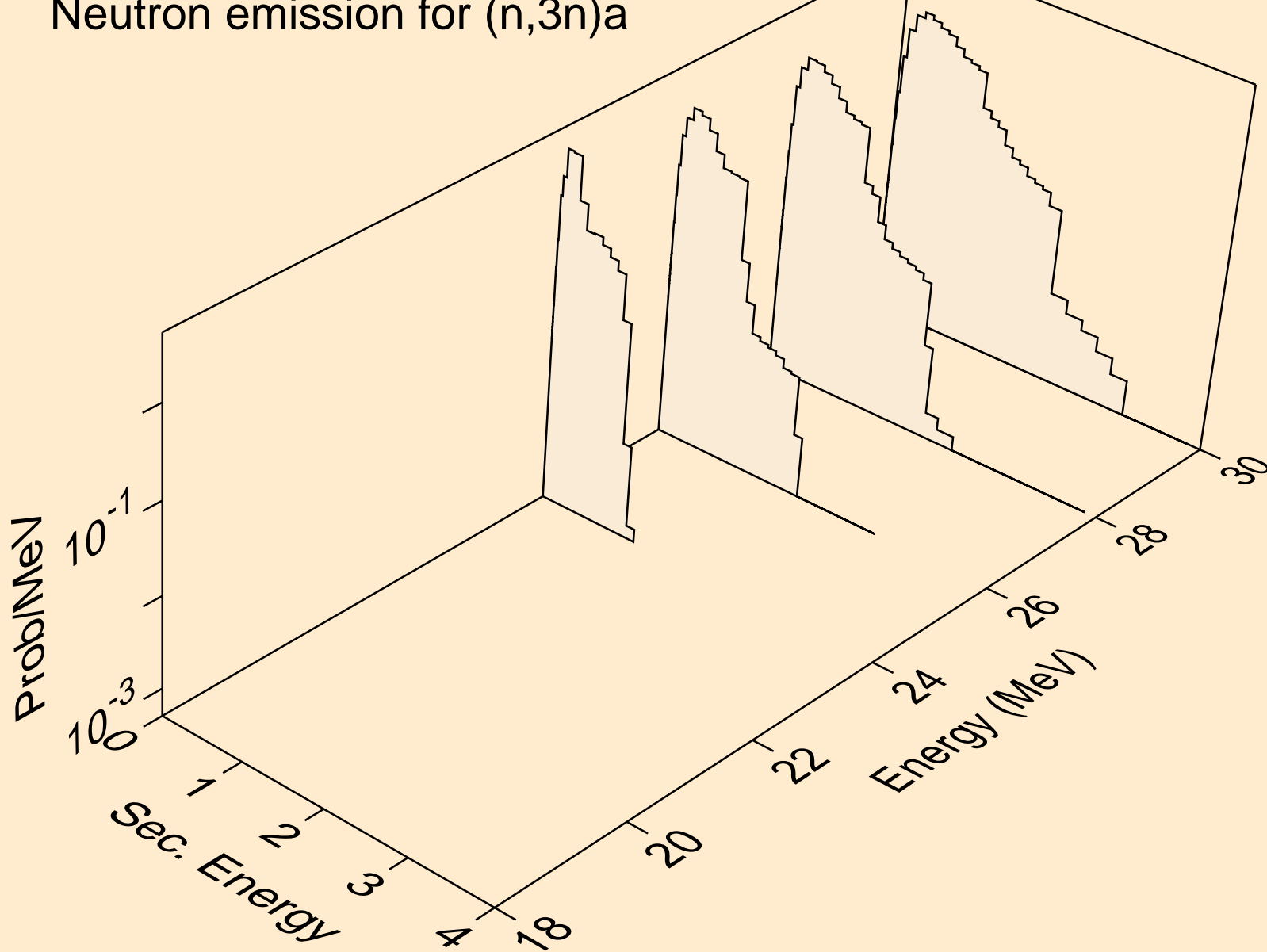
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



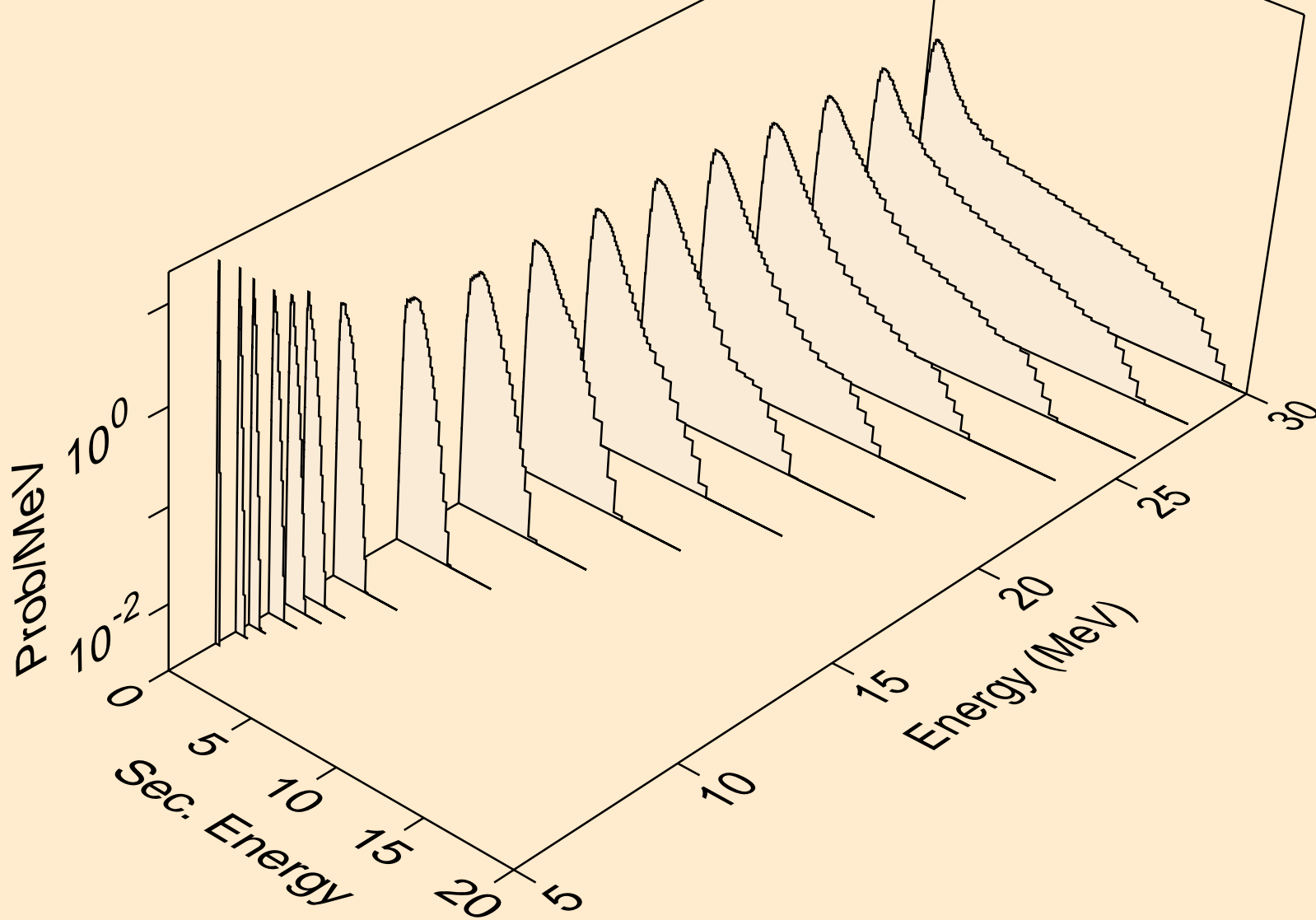
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a



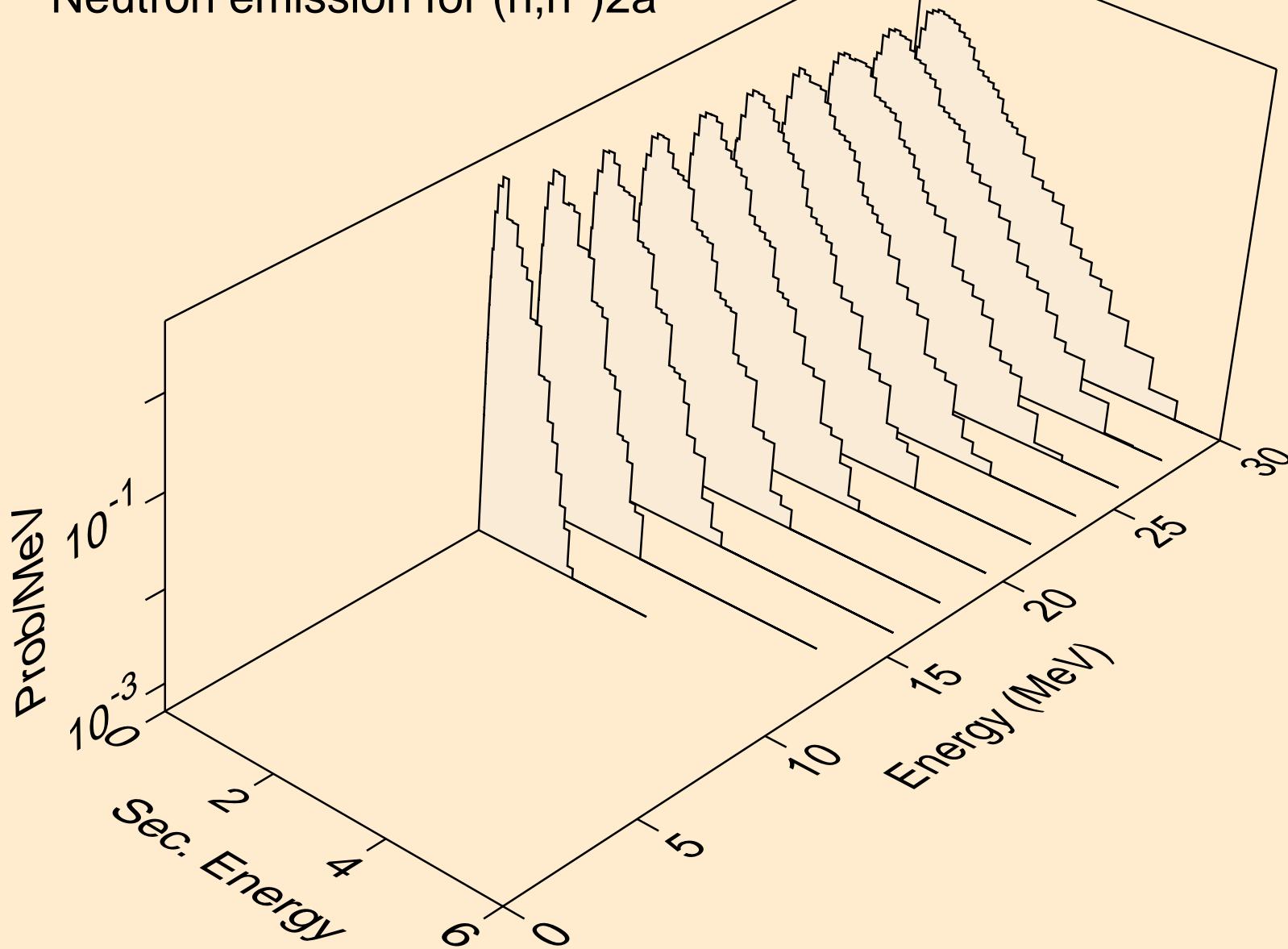
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Neutron emission for (n,3n)a



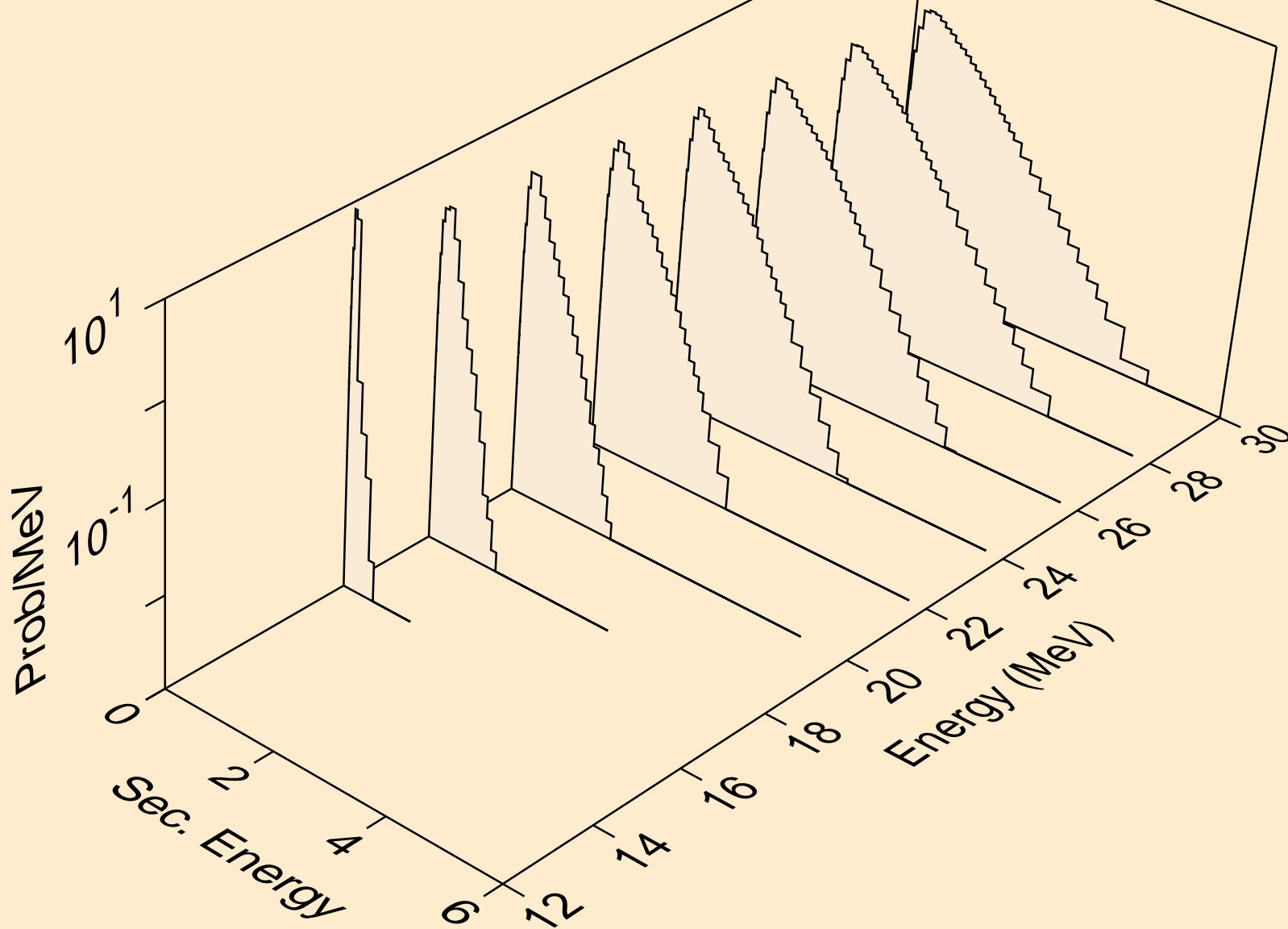
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)2a

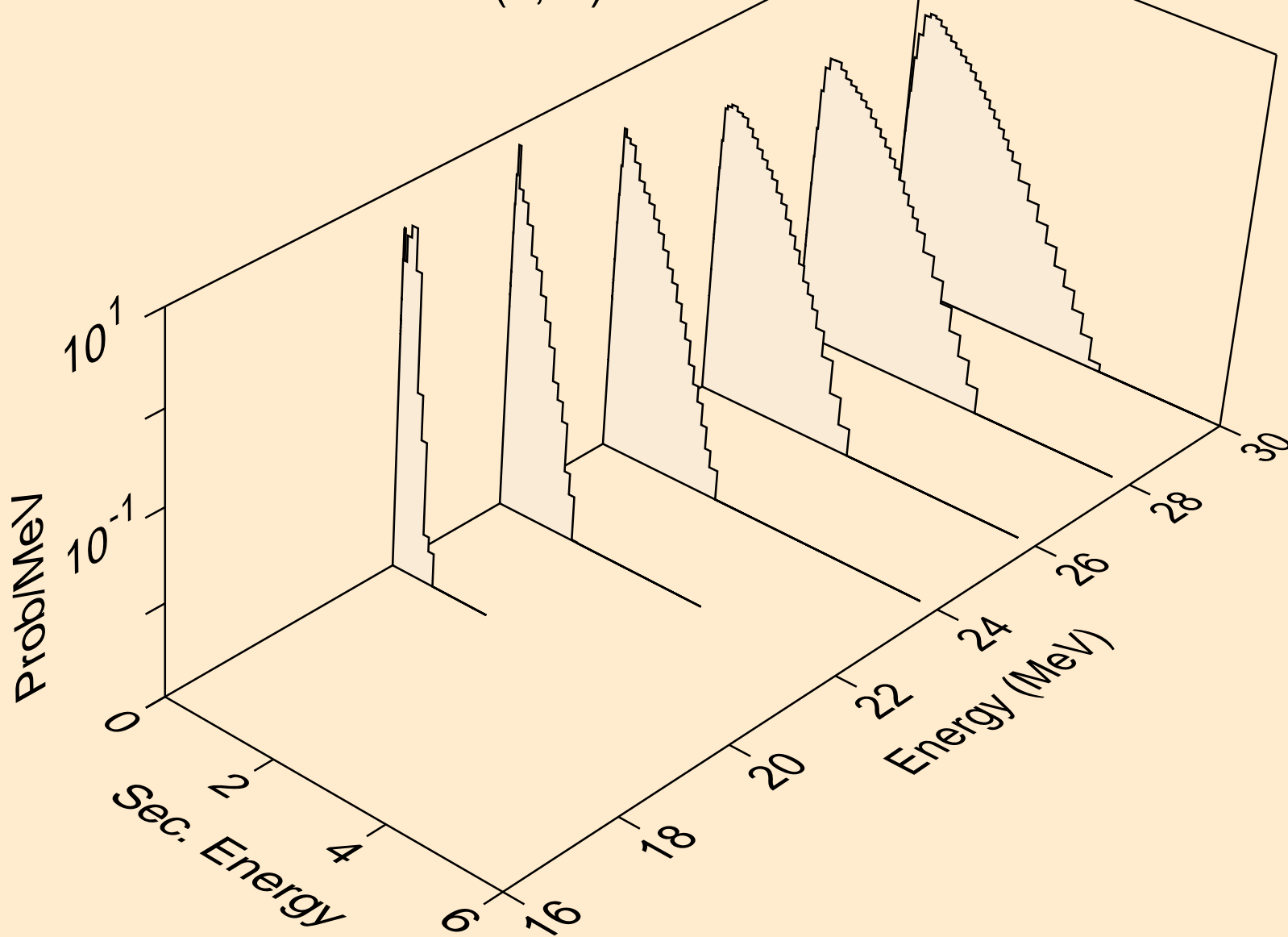


GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d

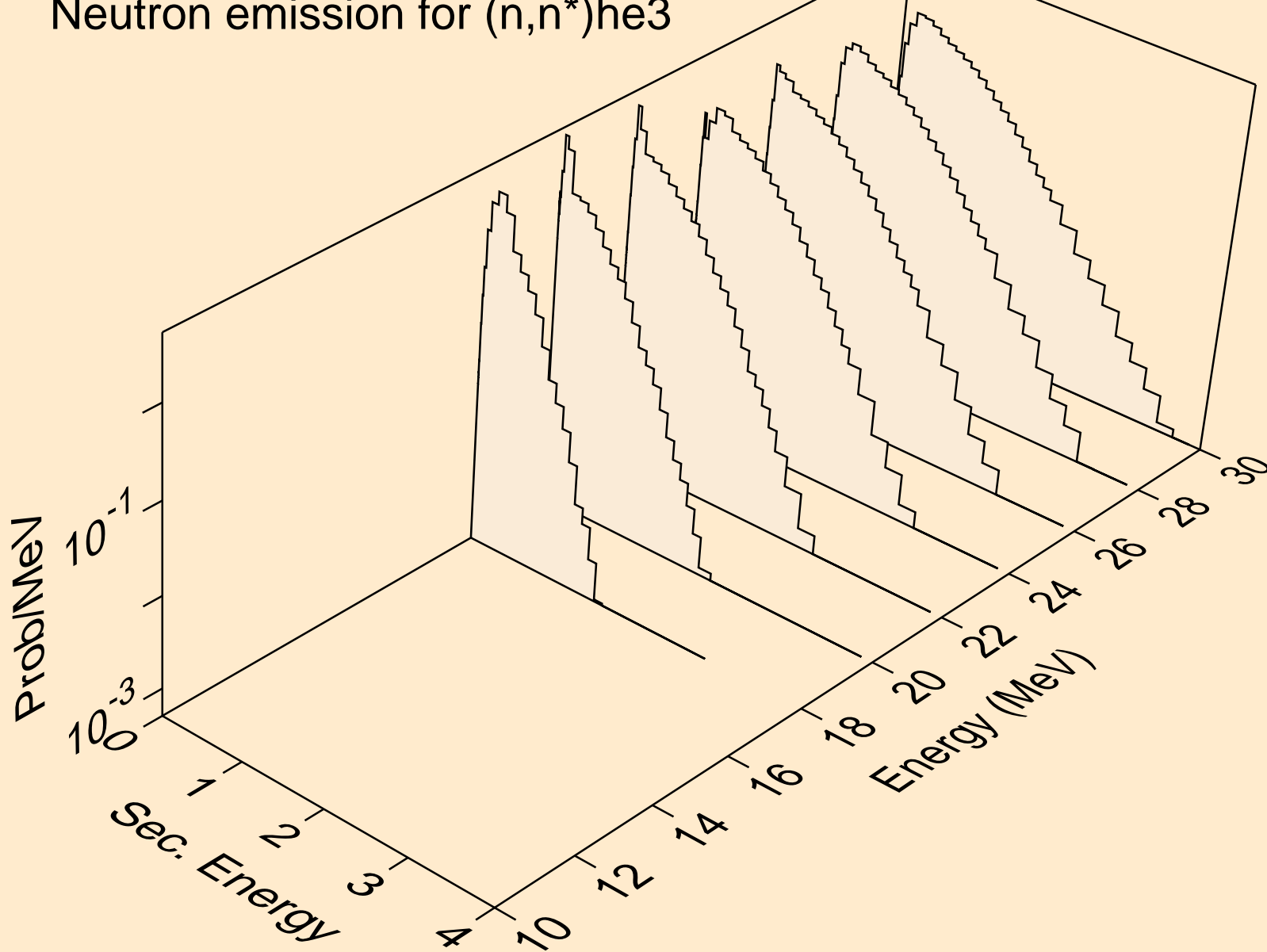




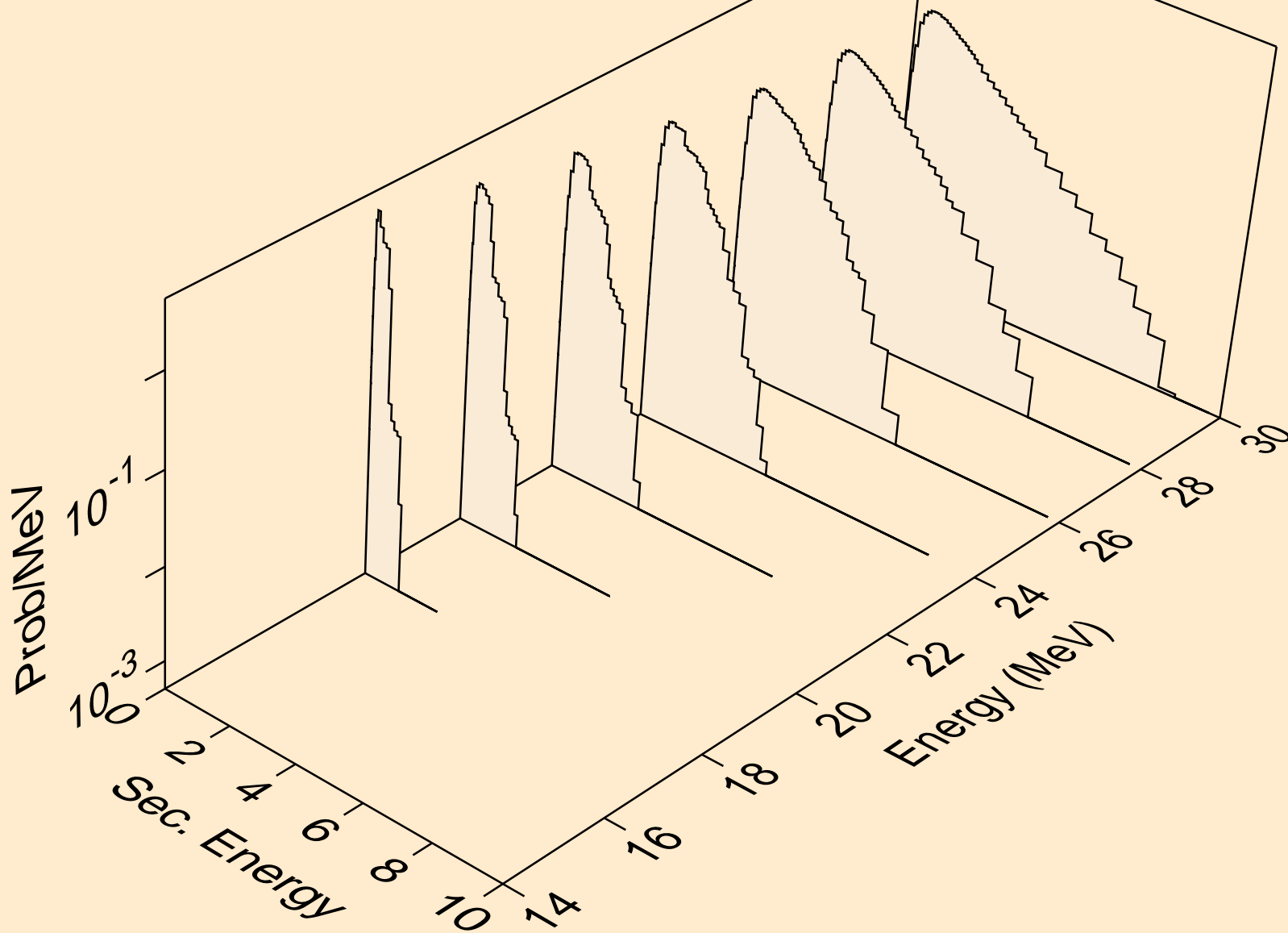
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



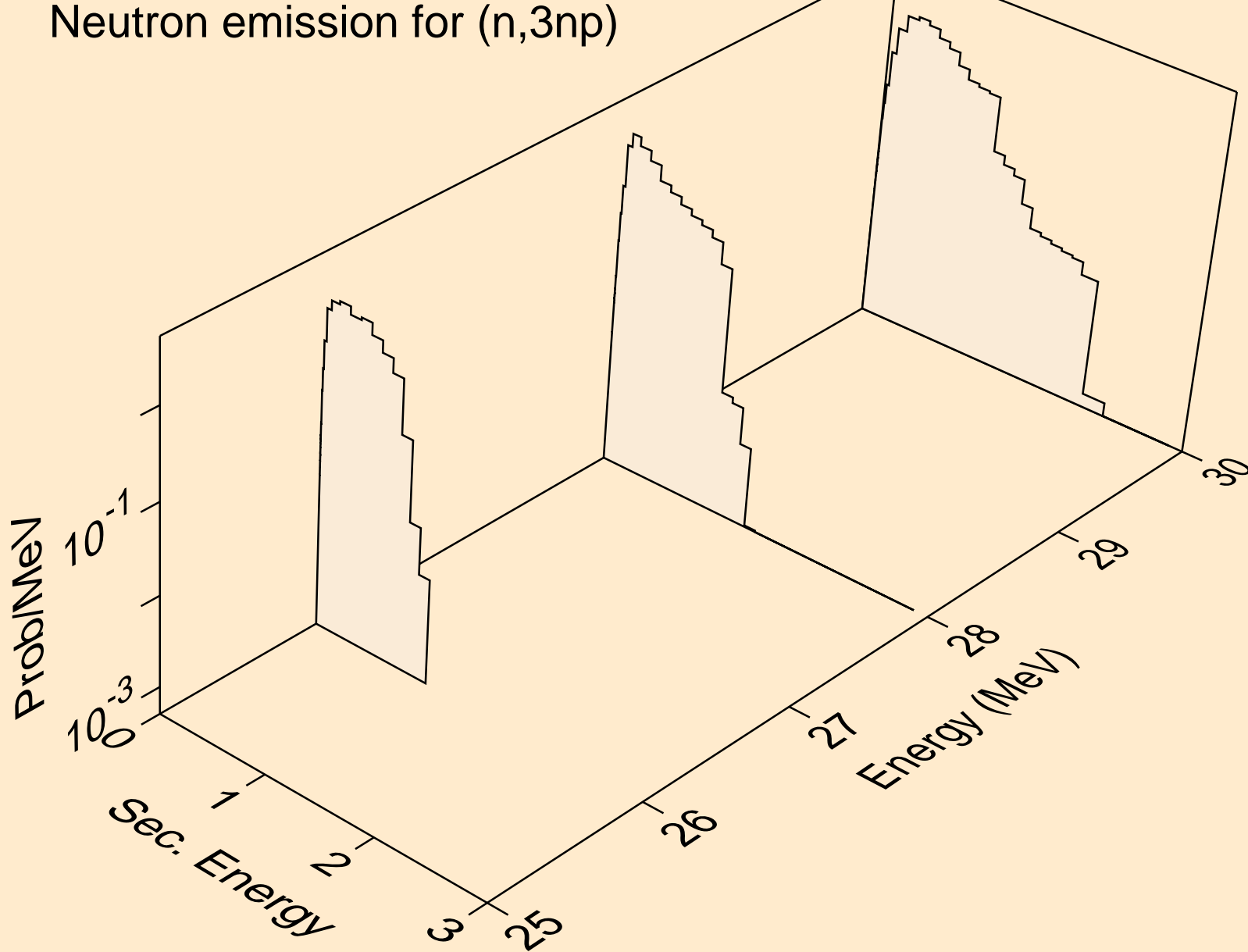
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



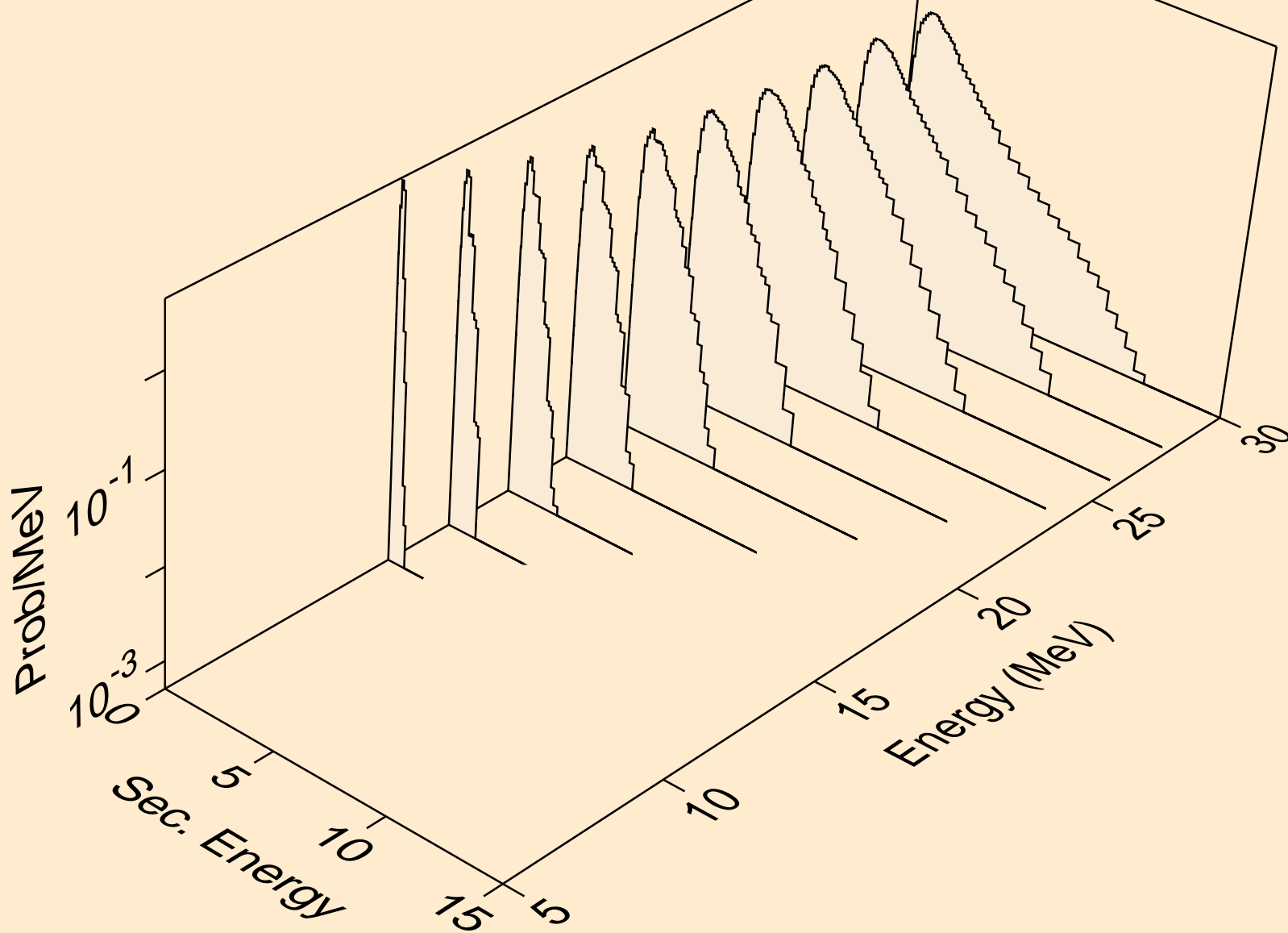
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Neutron emission for (n,2np)



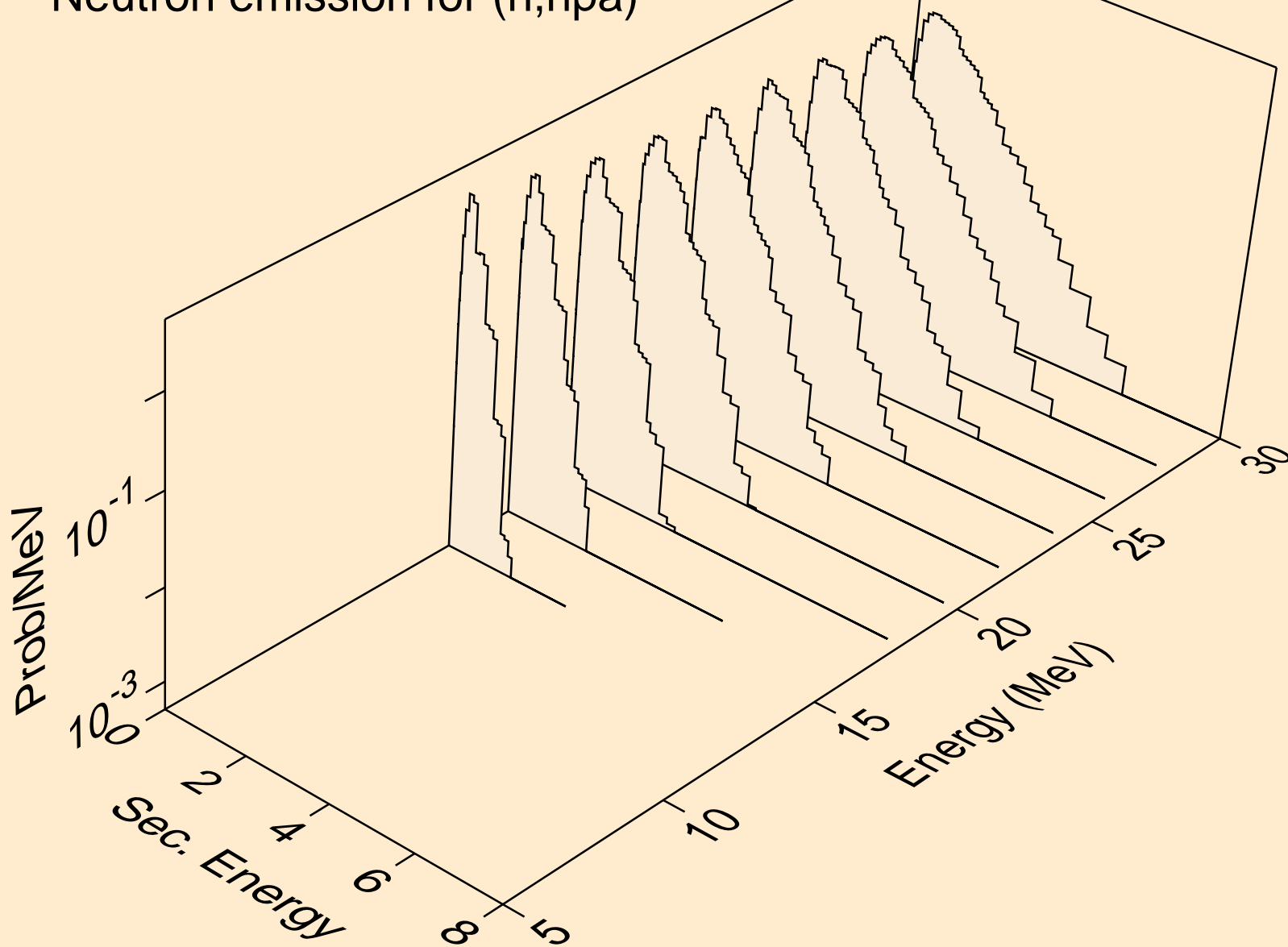
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Neutron emission for (n,3np)



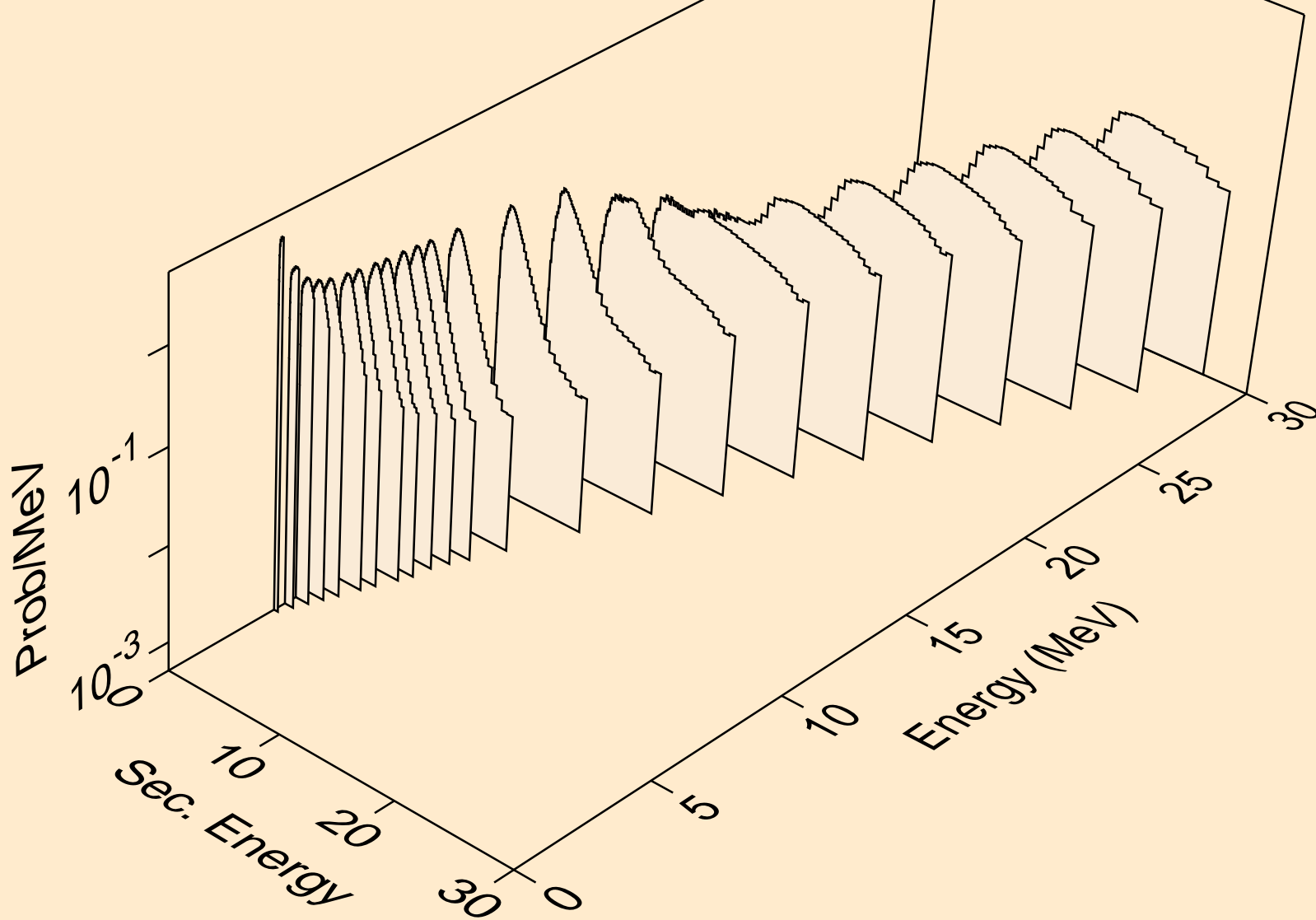
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Neutron emission for (n,2np)



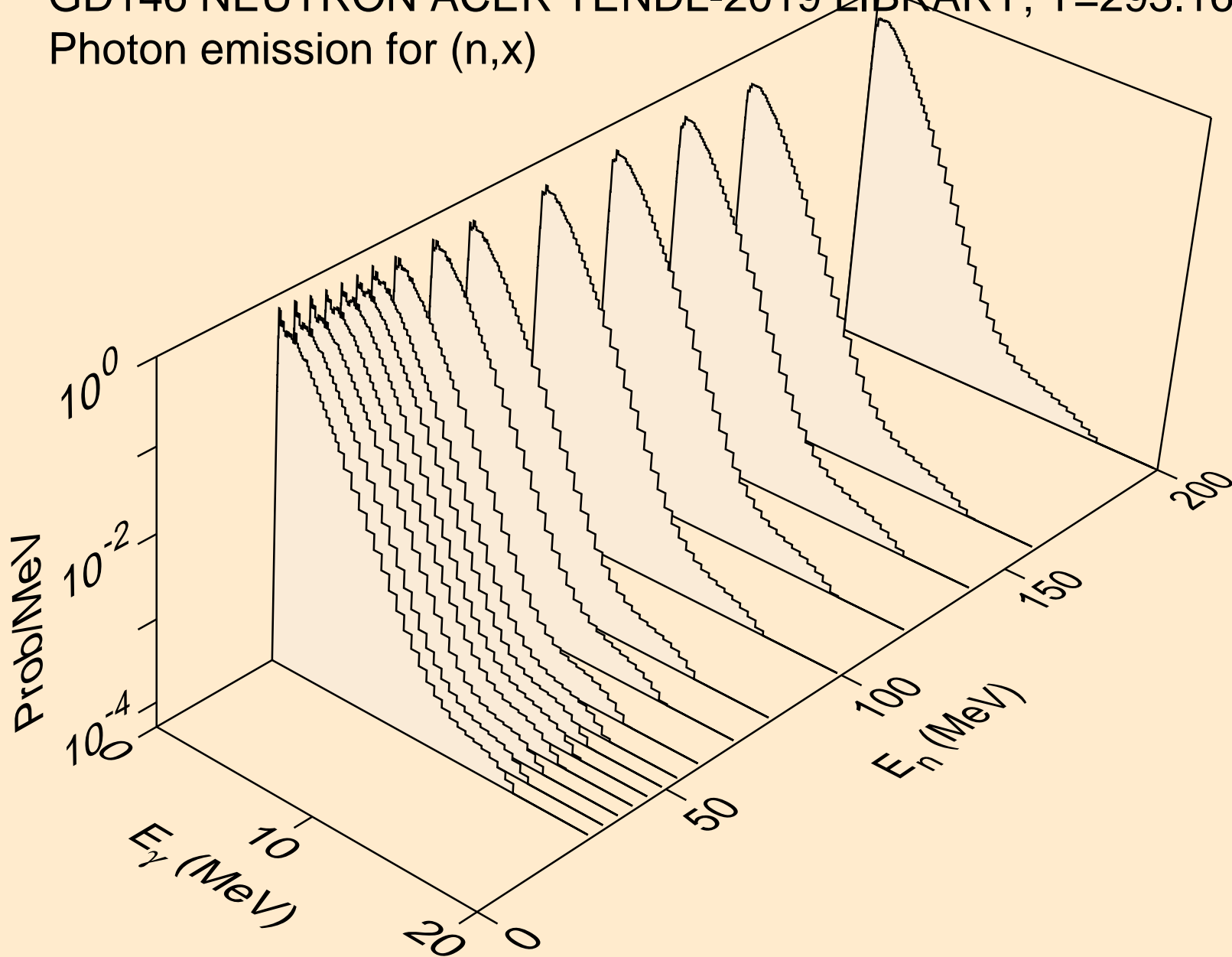
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,npa)



GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)

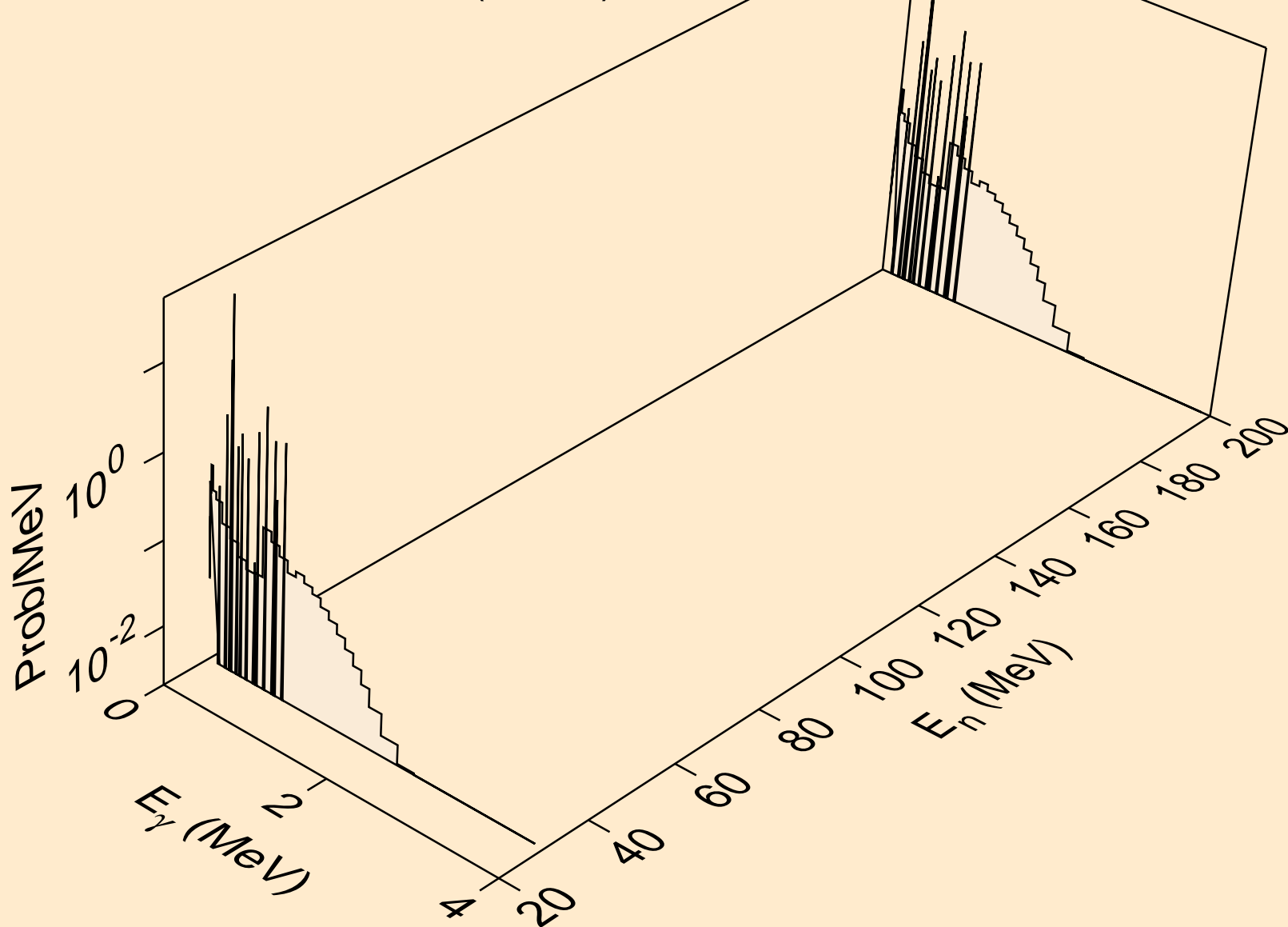


GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)

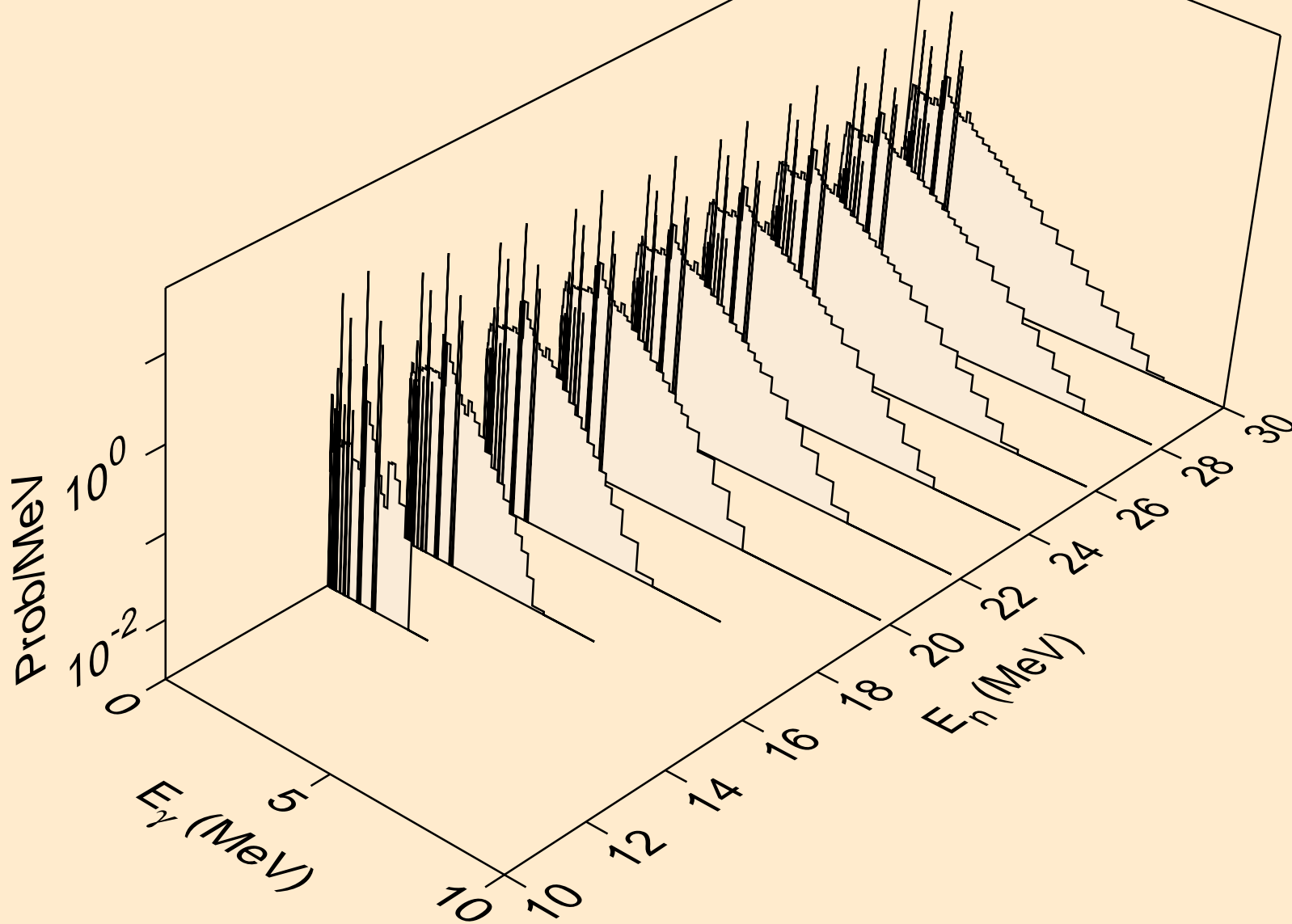




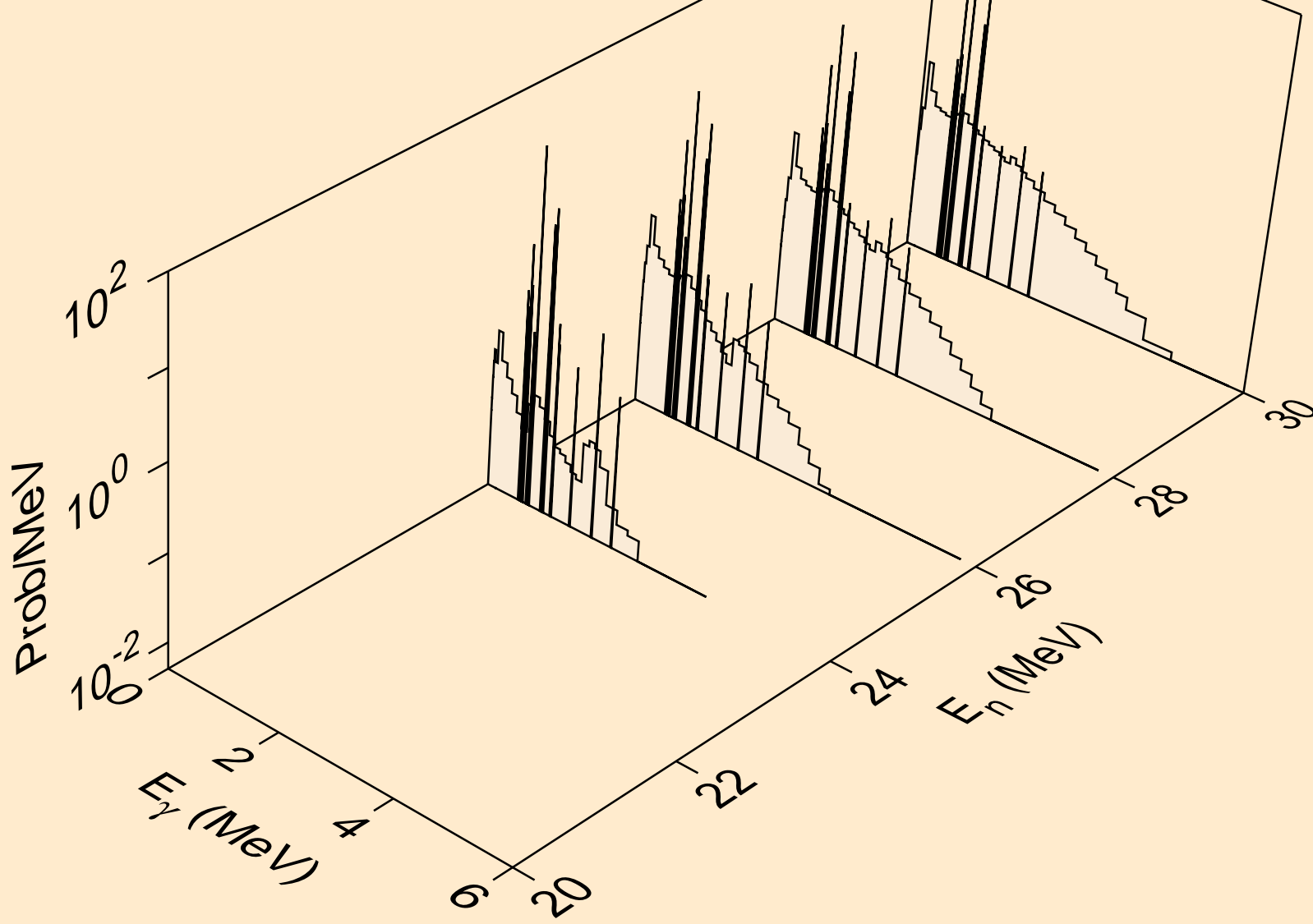
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Photon emission for (n,2nd)



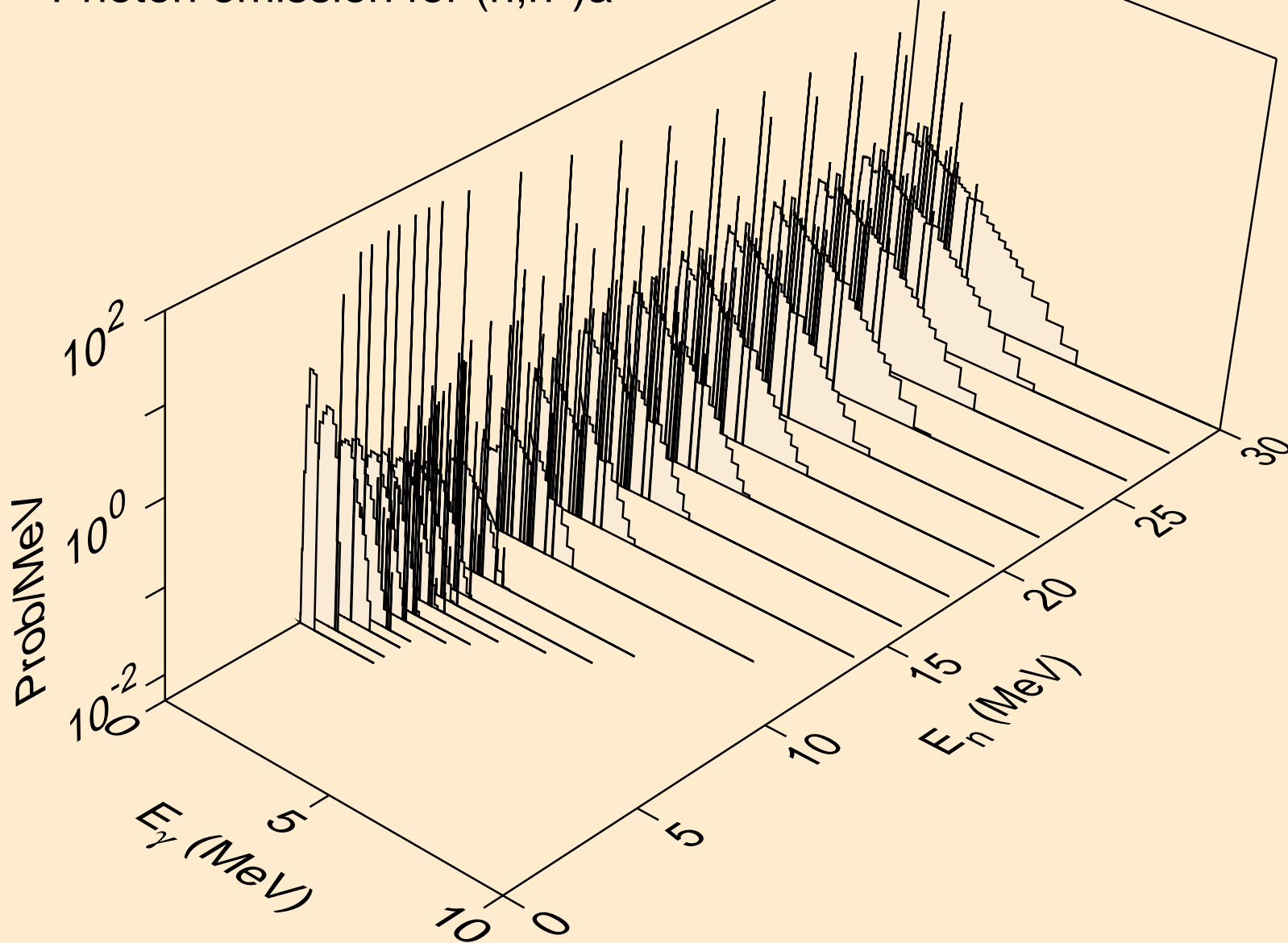
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Photon emission for (n,2n)



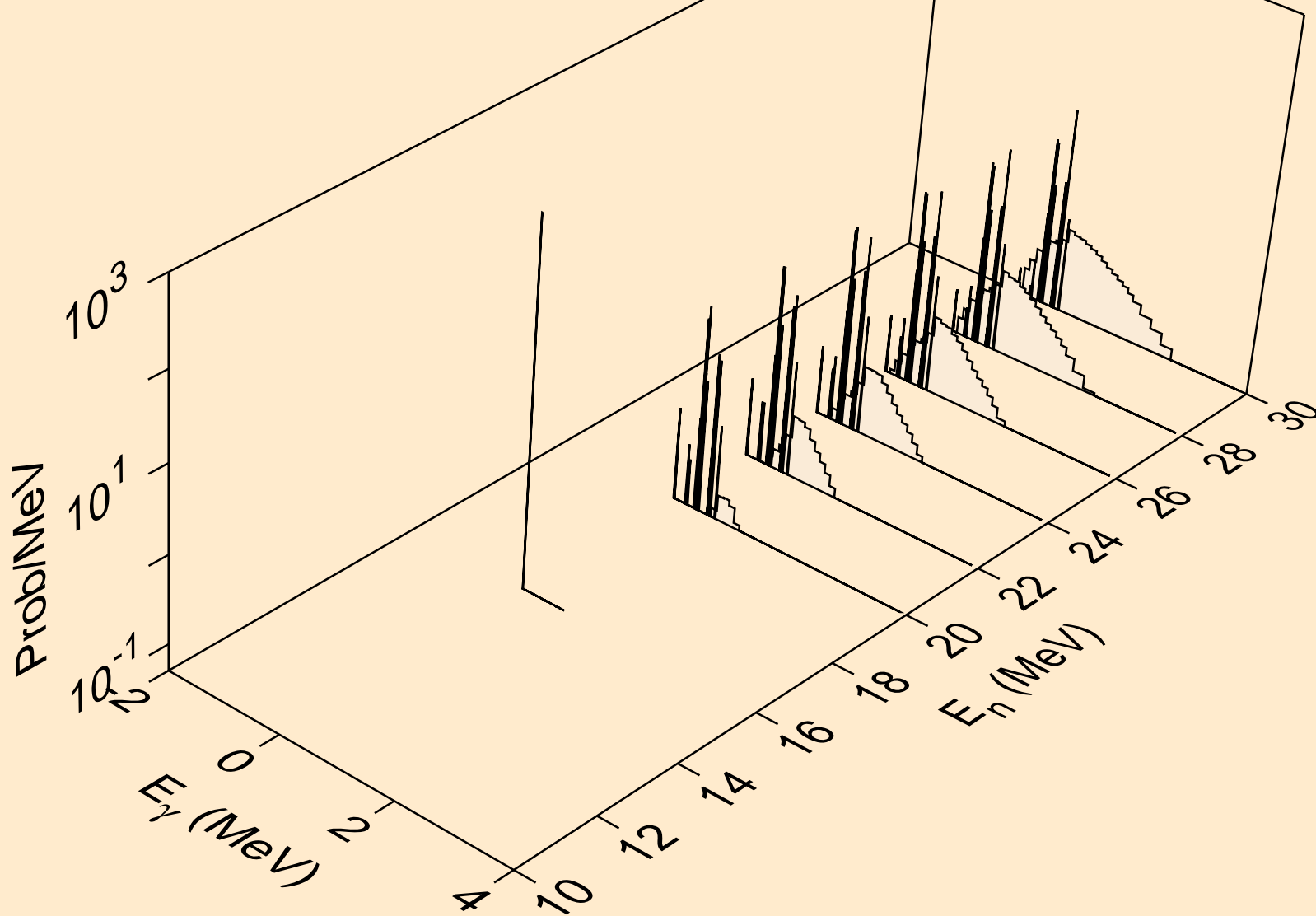
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Photon emission for (n,3n)



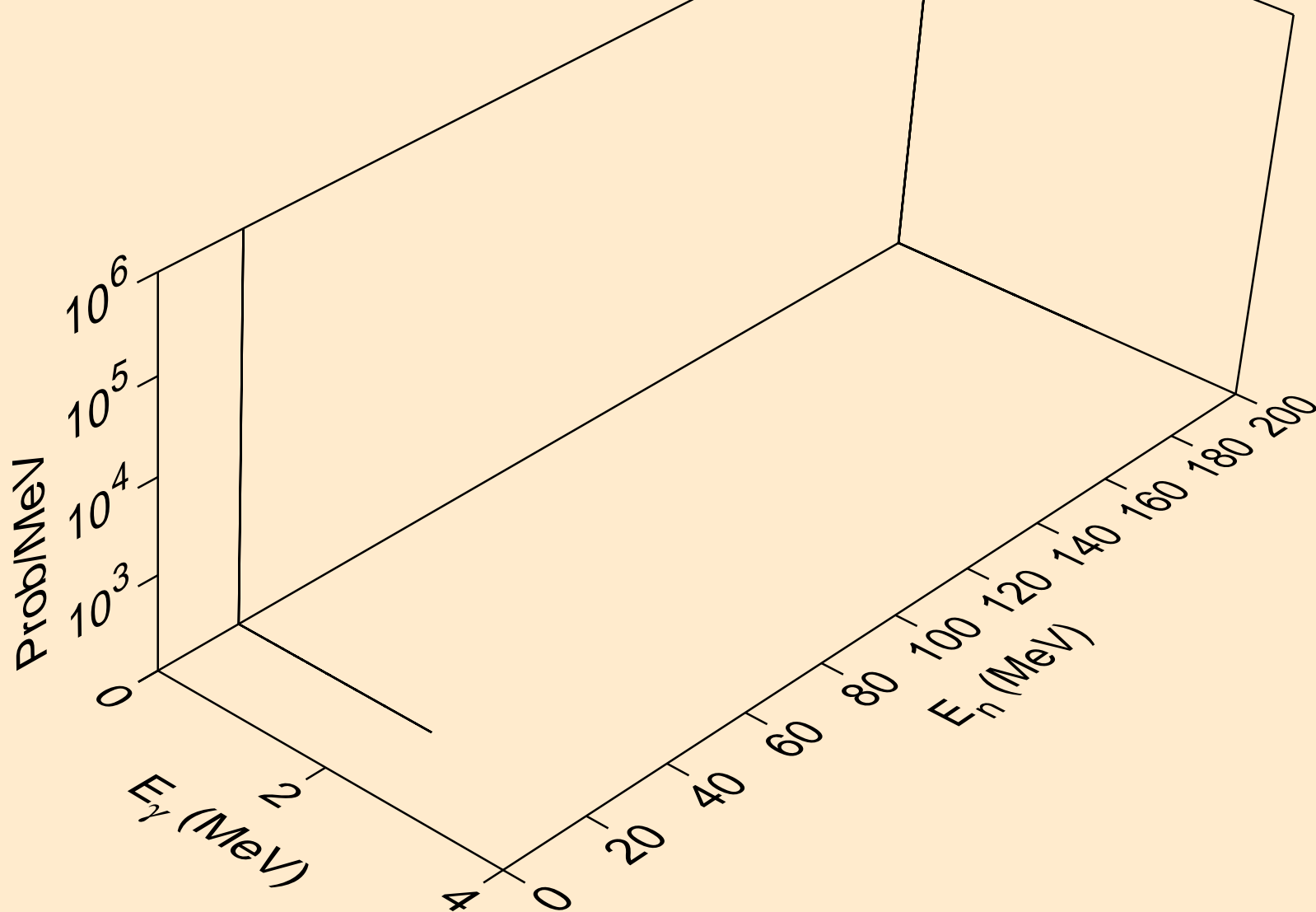
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Photon emission for (n,n\*)a



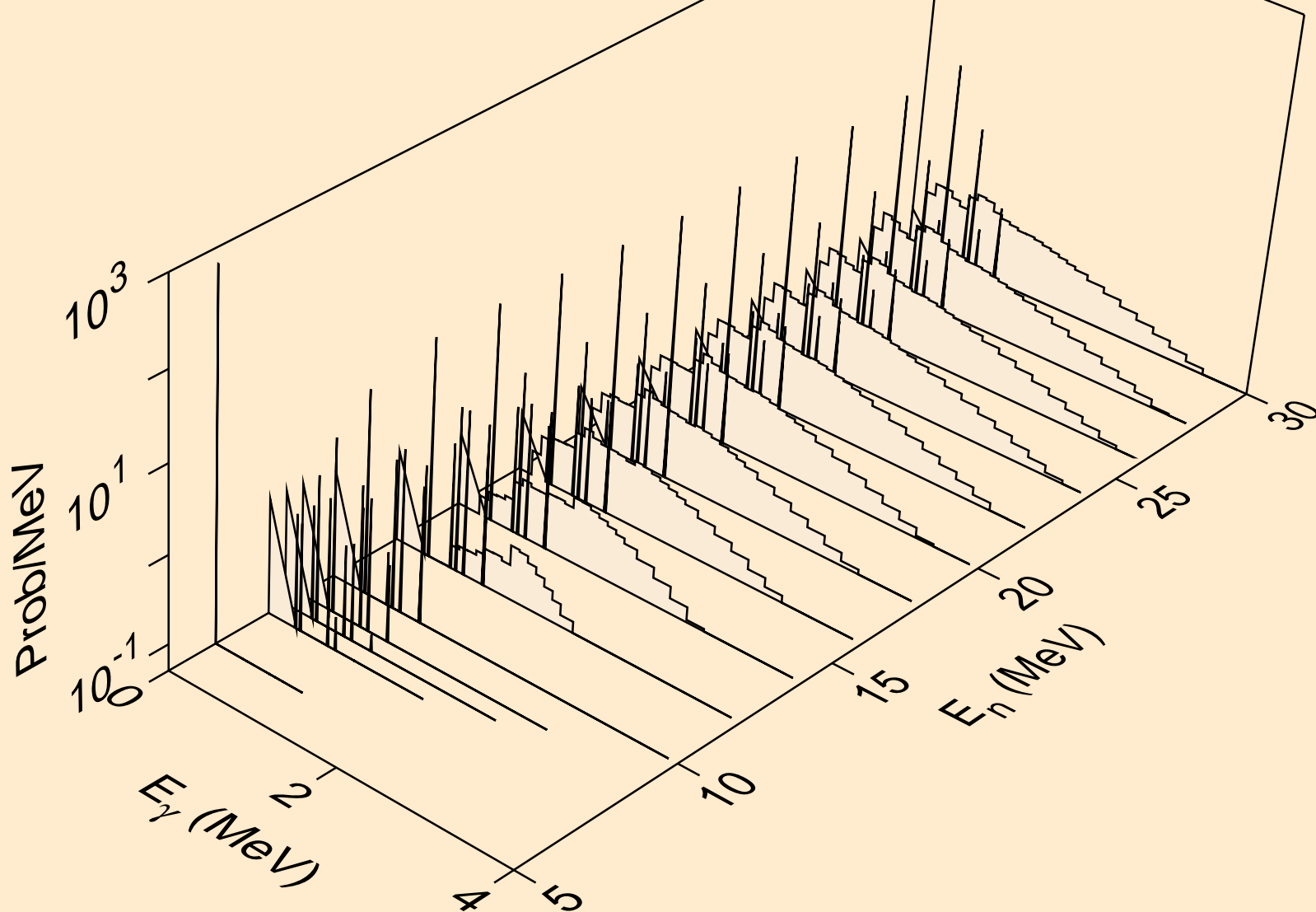
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Photon emission for (n,2n)a



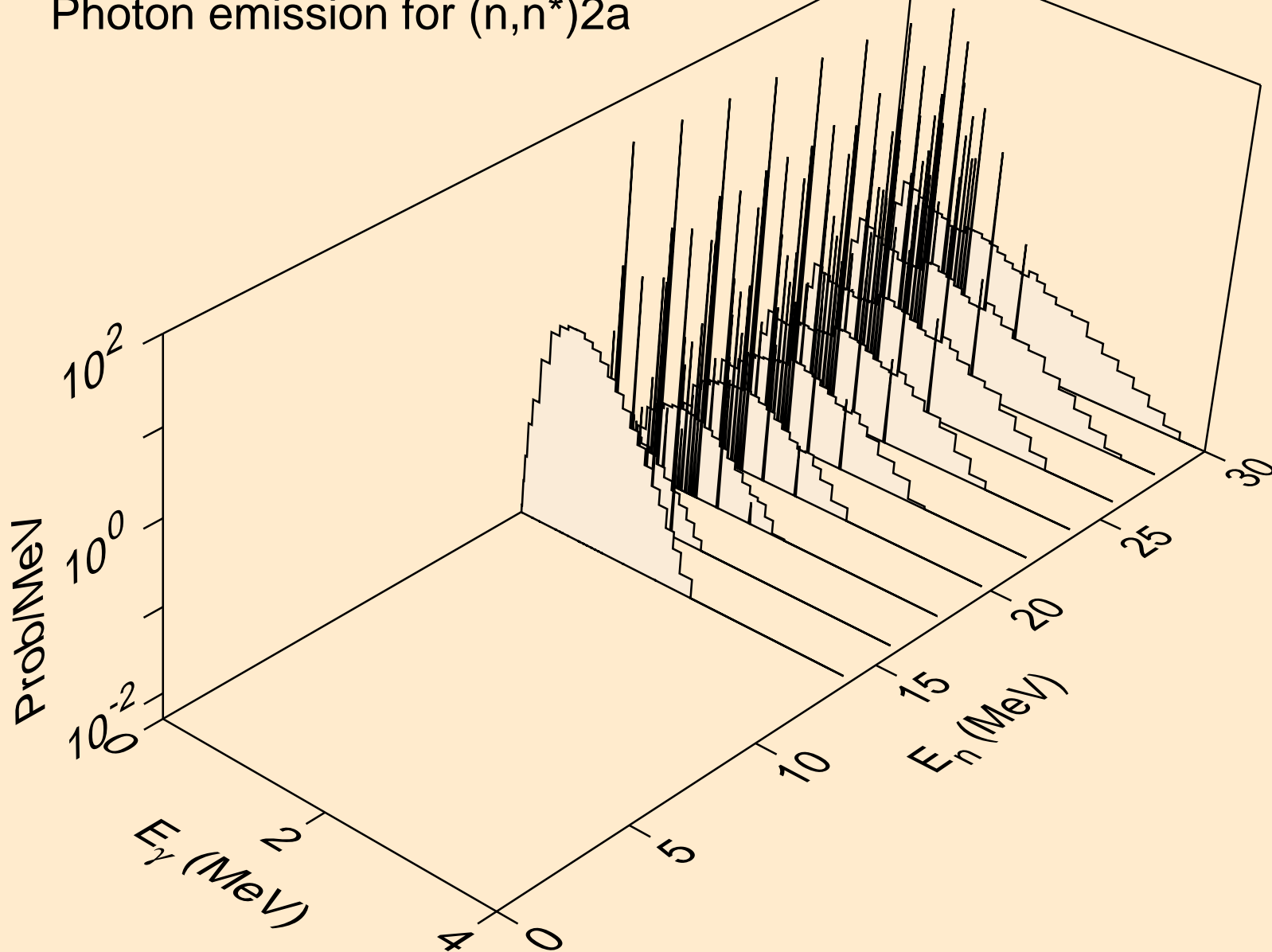
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Photon emission for (n,3n)a



GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p

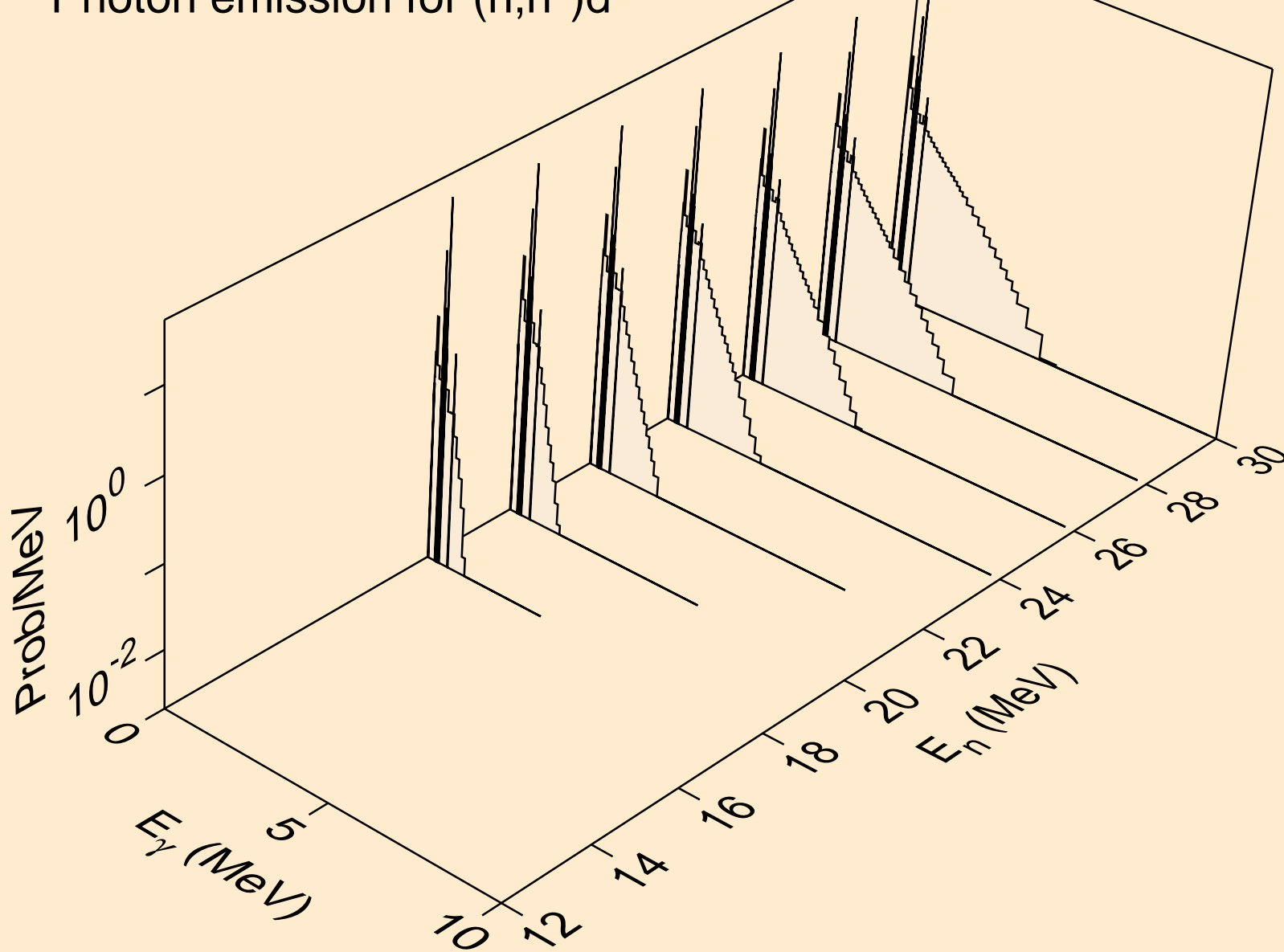


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Photon emission for (n,n\*)2a

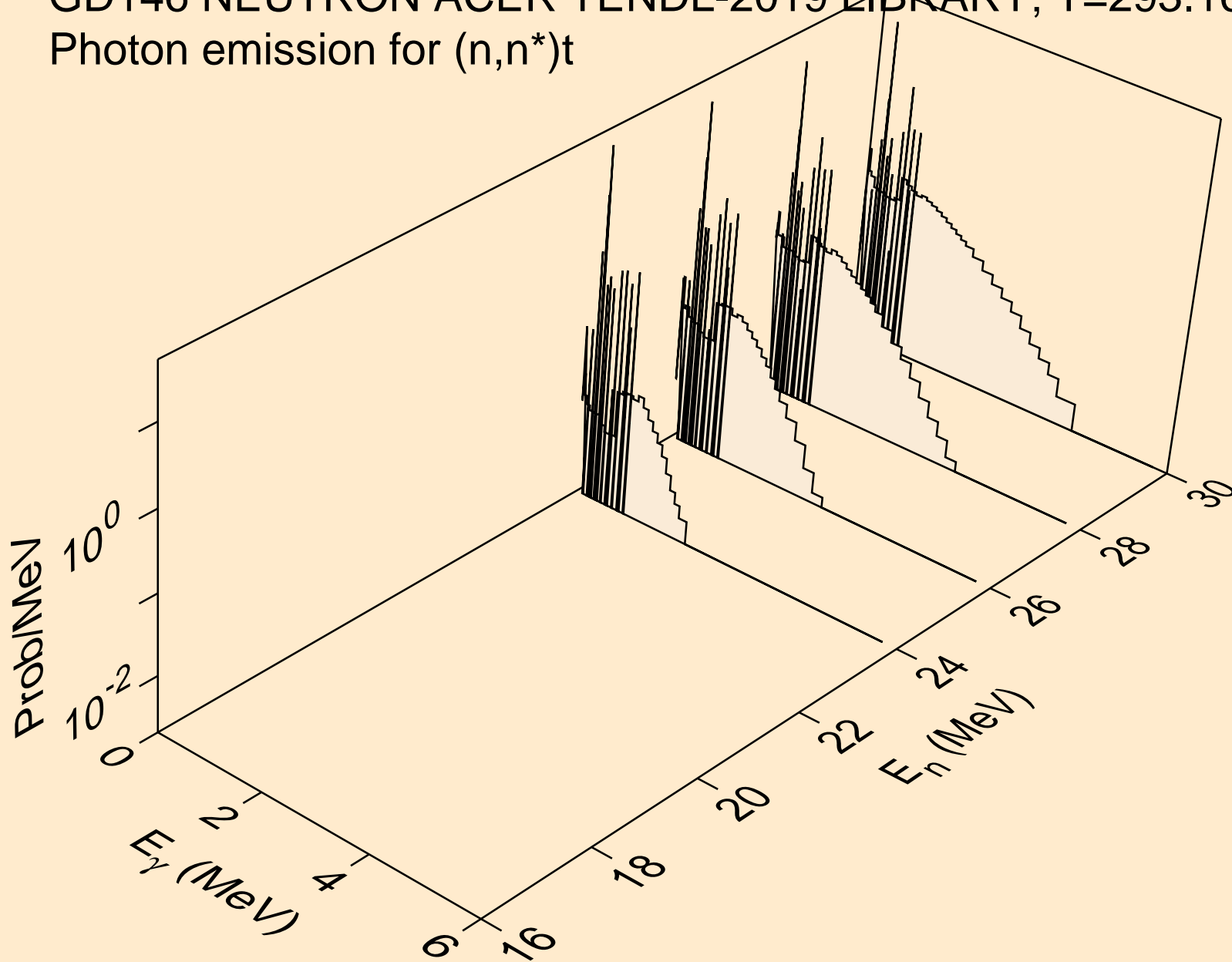




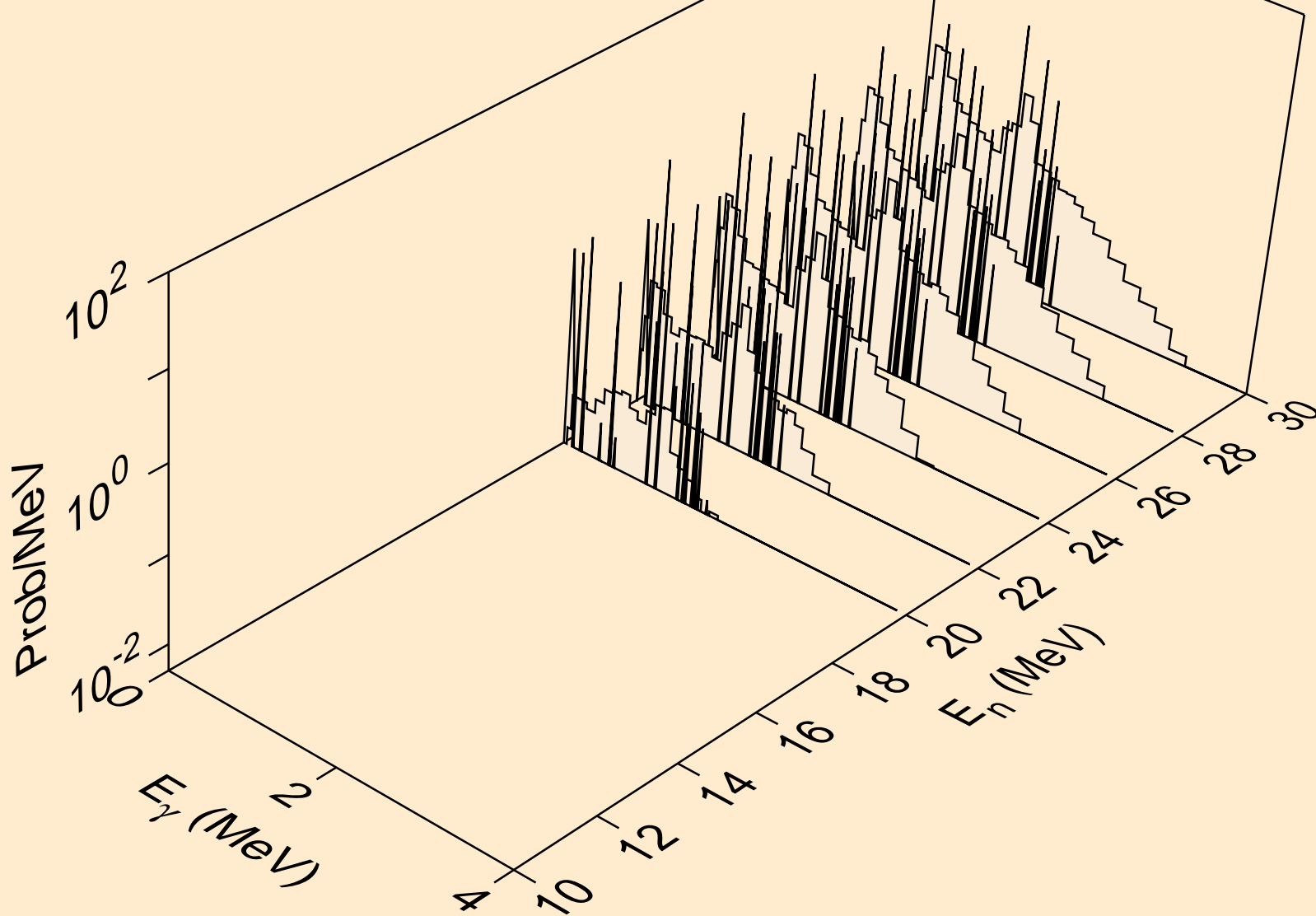
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Photon emission for (n,n\*)d



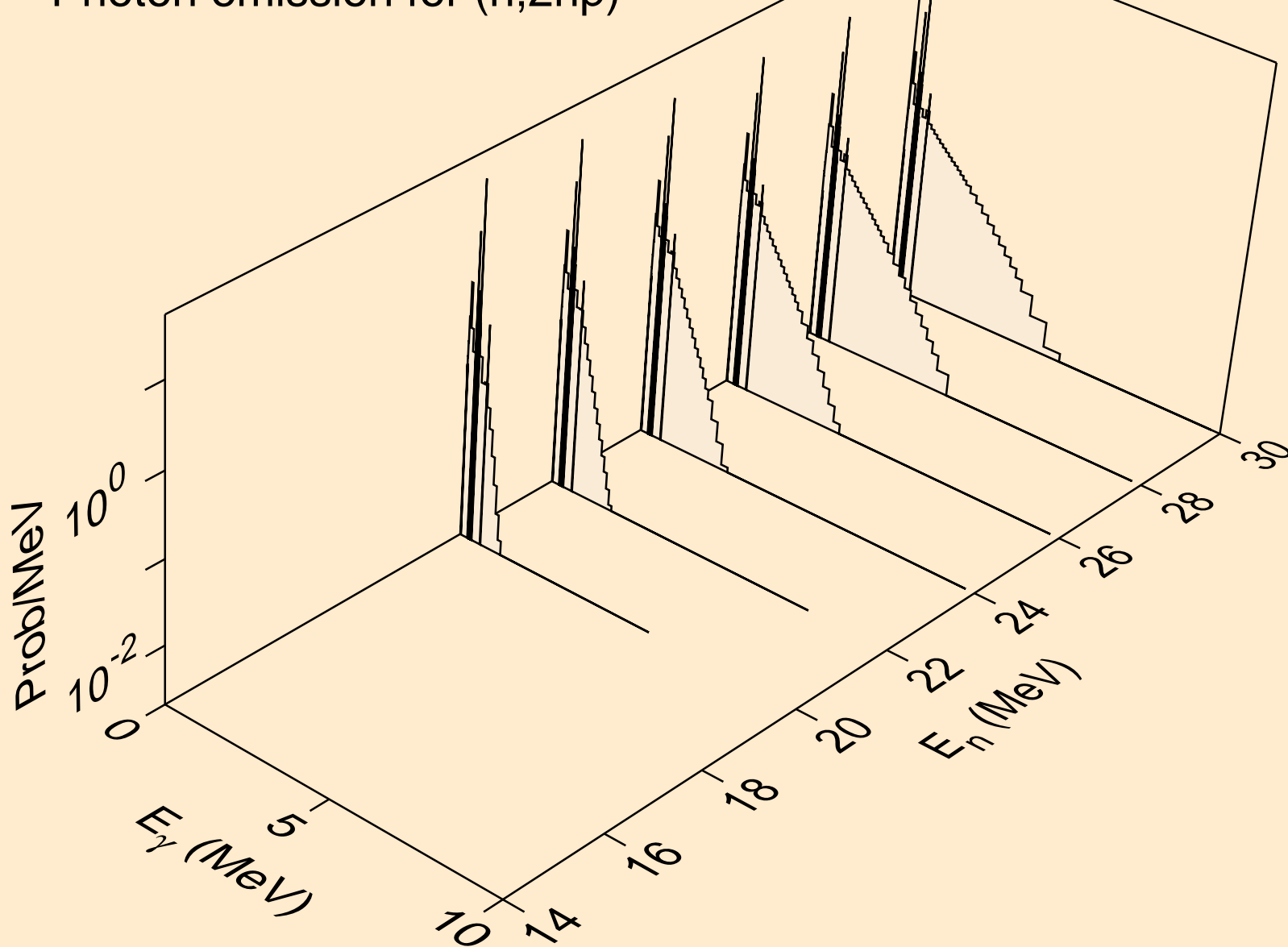
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Photon emission for (n,n\*)t



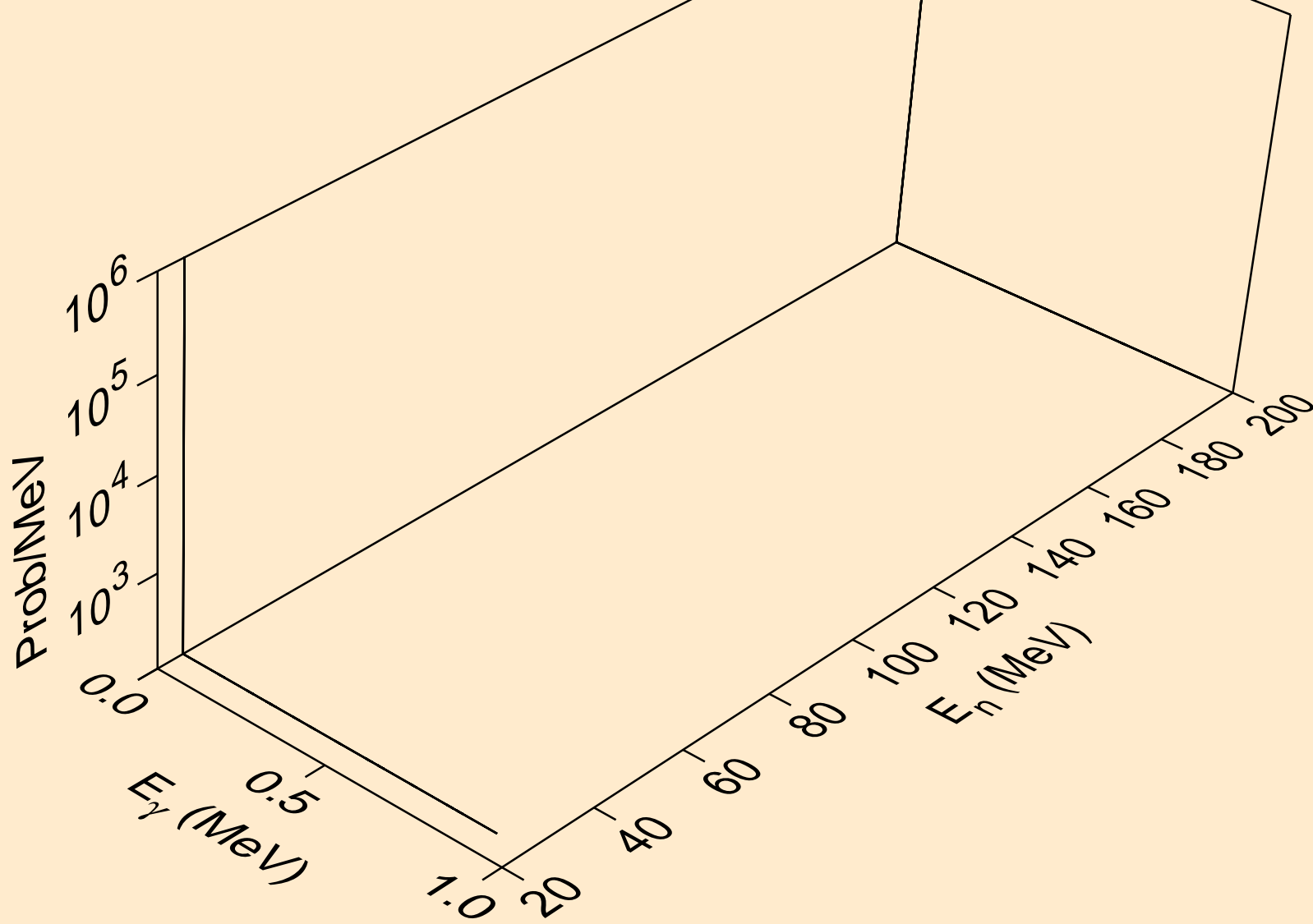
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Photon emission for (n,n\*)he3



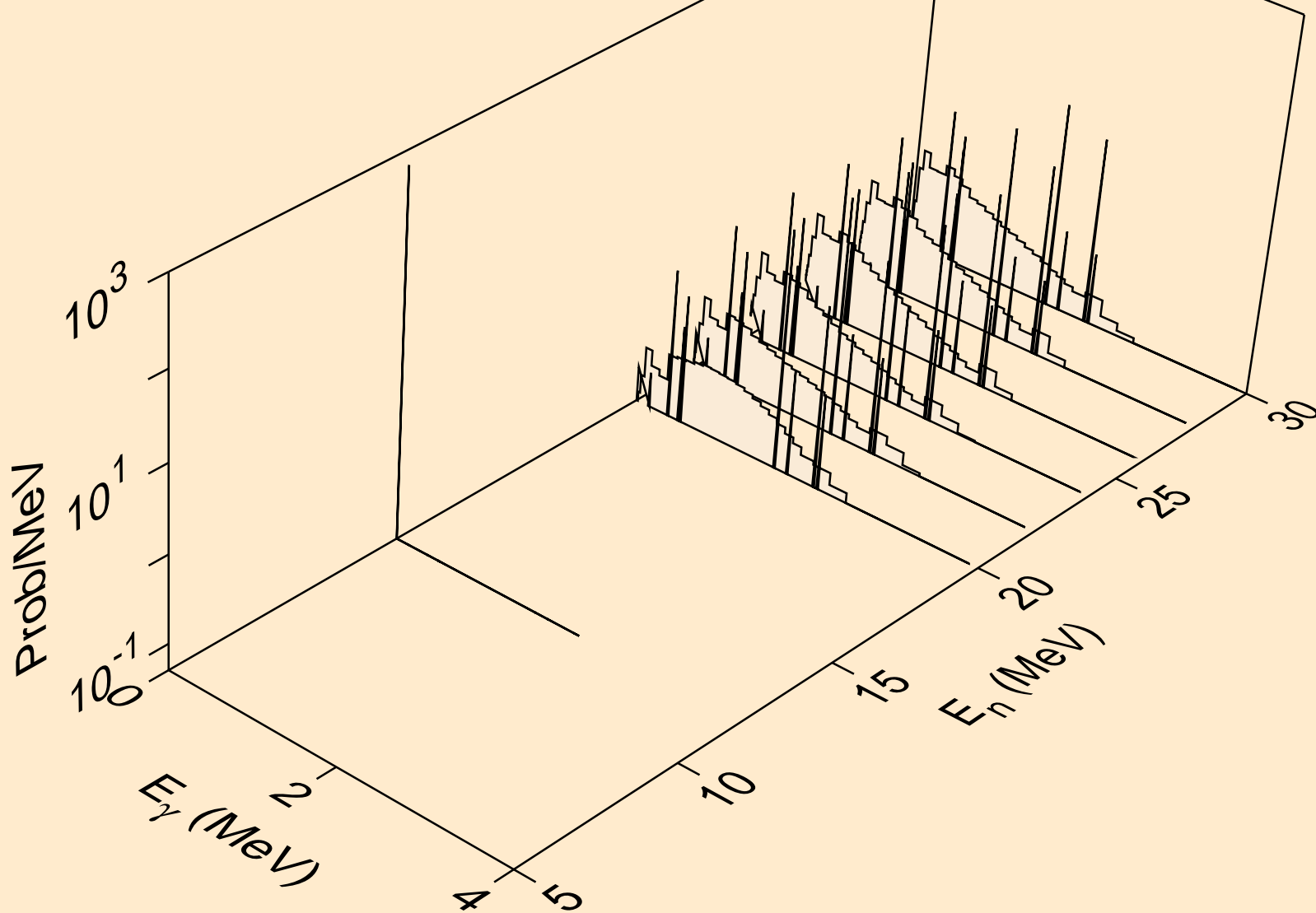
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Photon emission for (n,2np)



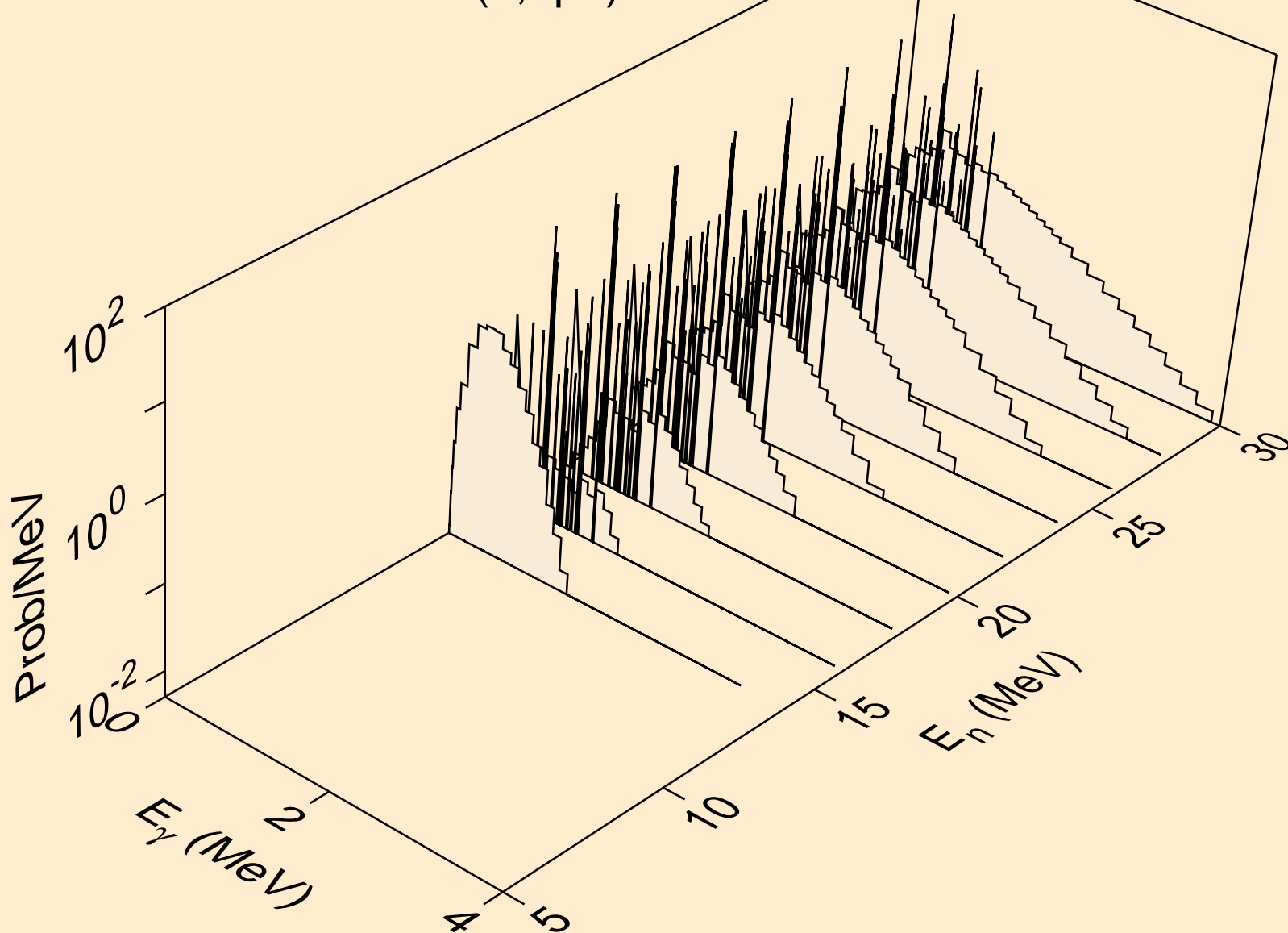
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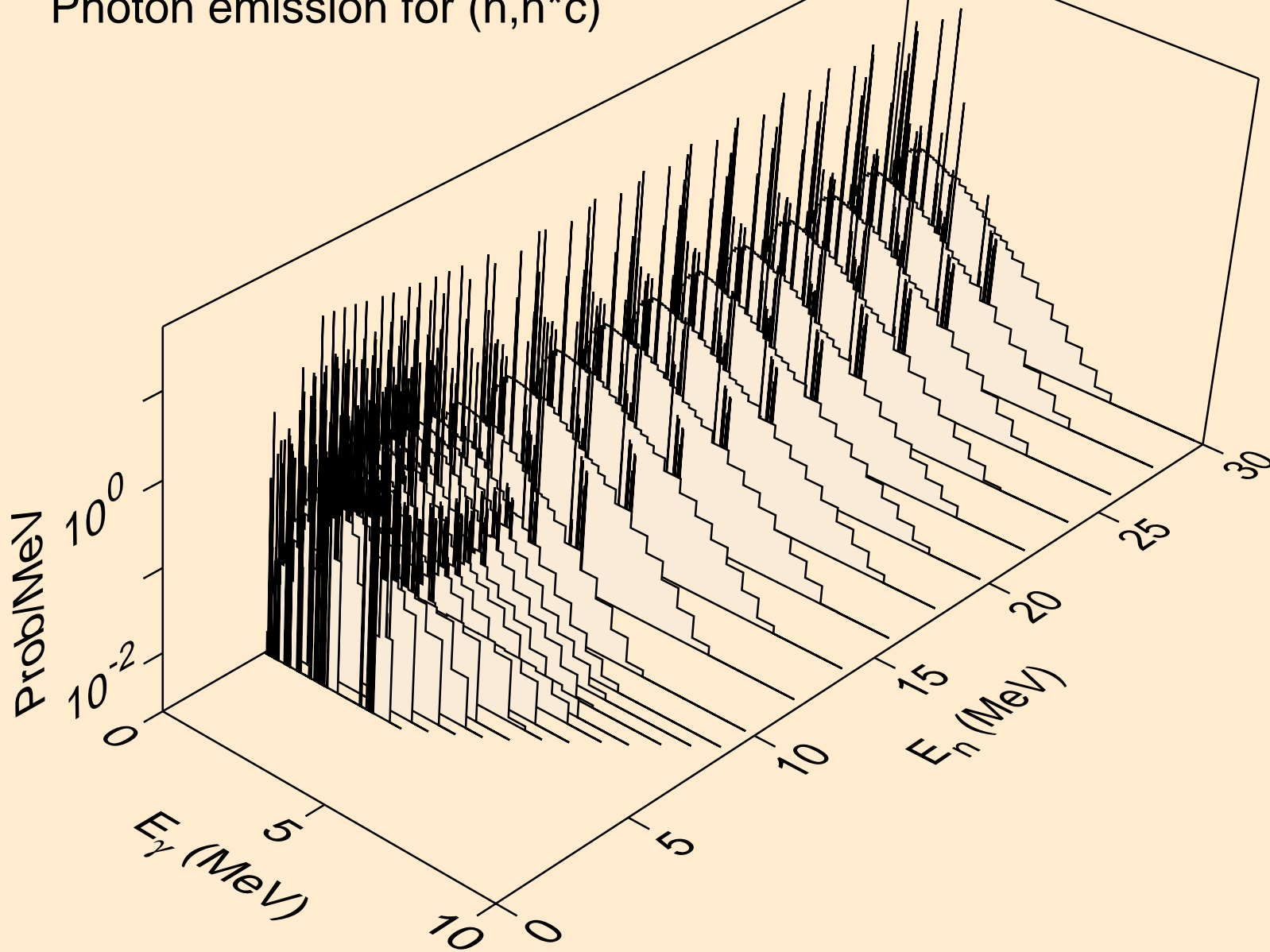
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Photon emission for (n,npa)

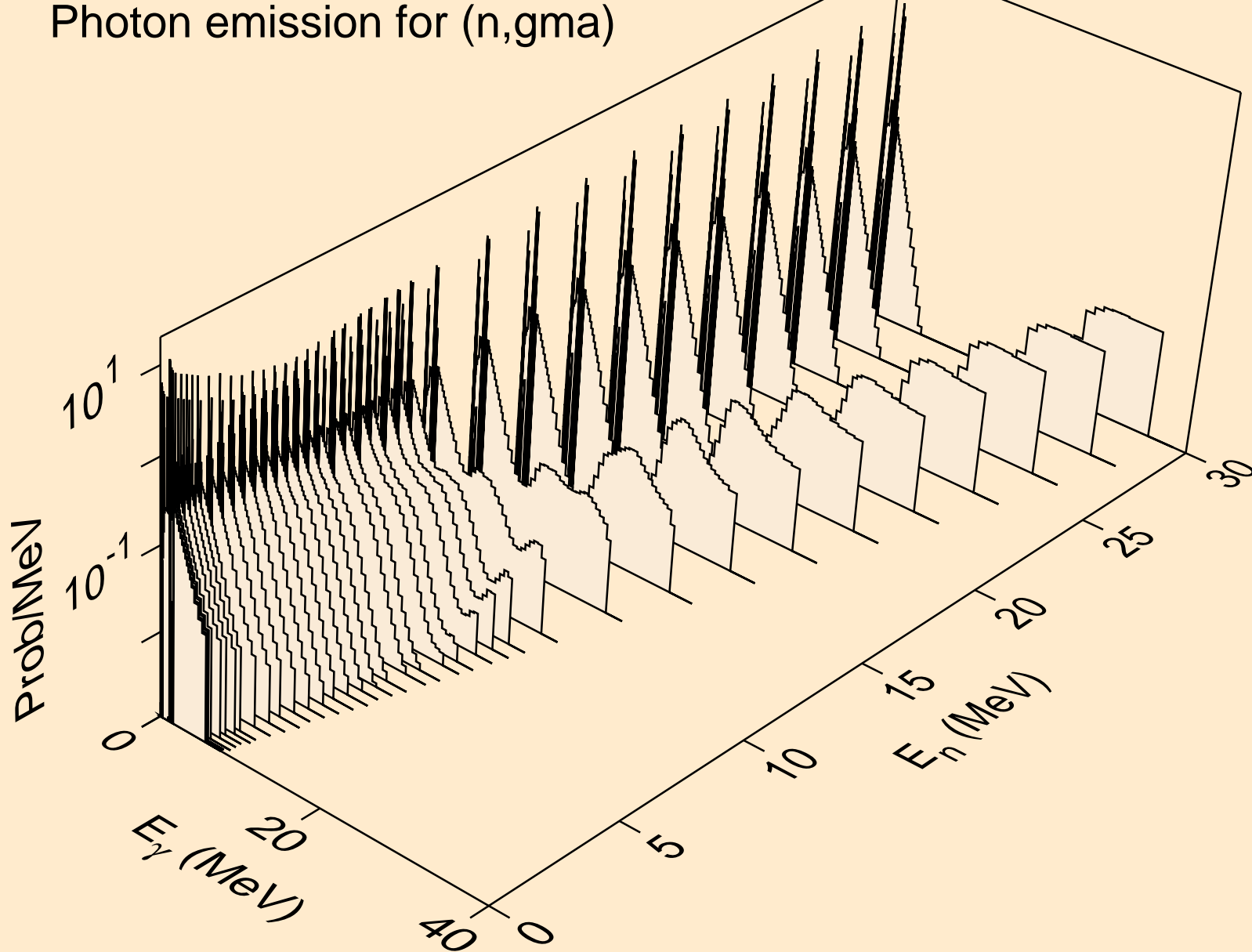


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Photon emission for (n,n\*c)

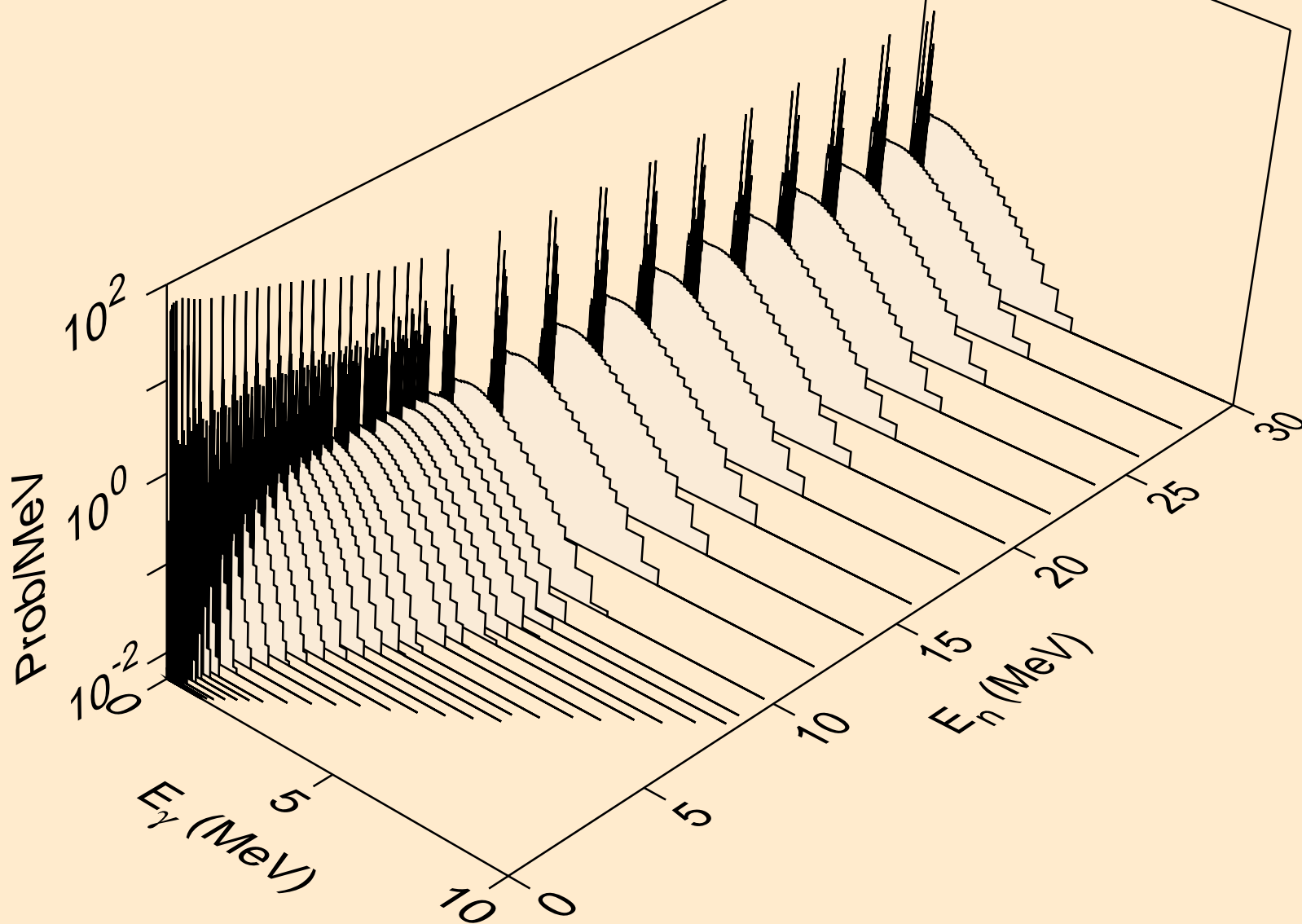




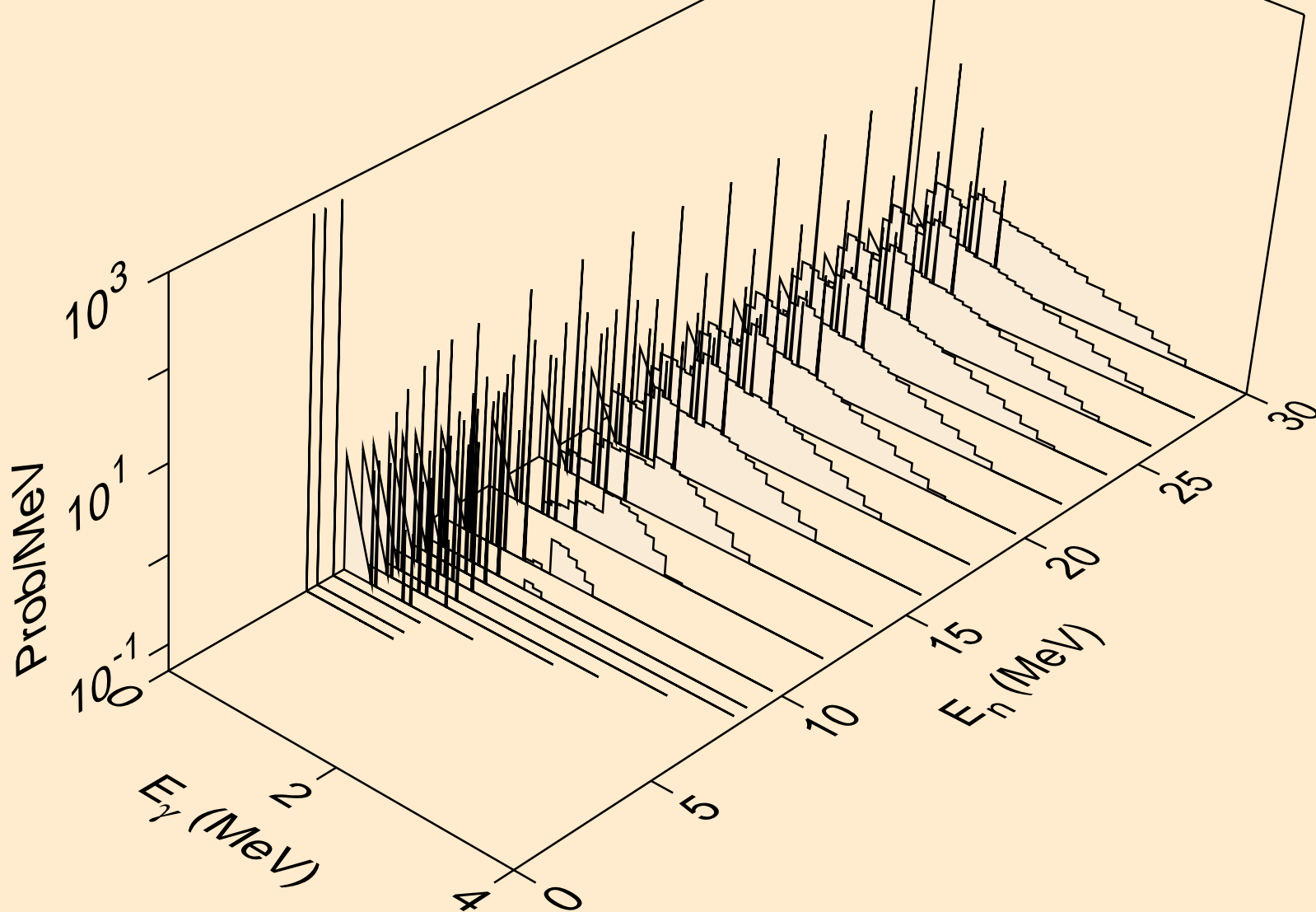
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Photon emission for (n,gma)



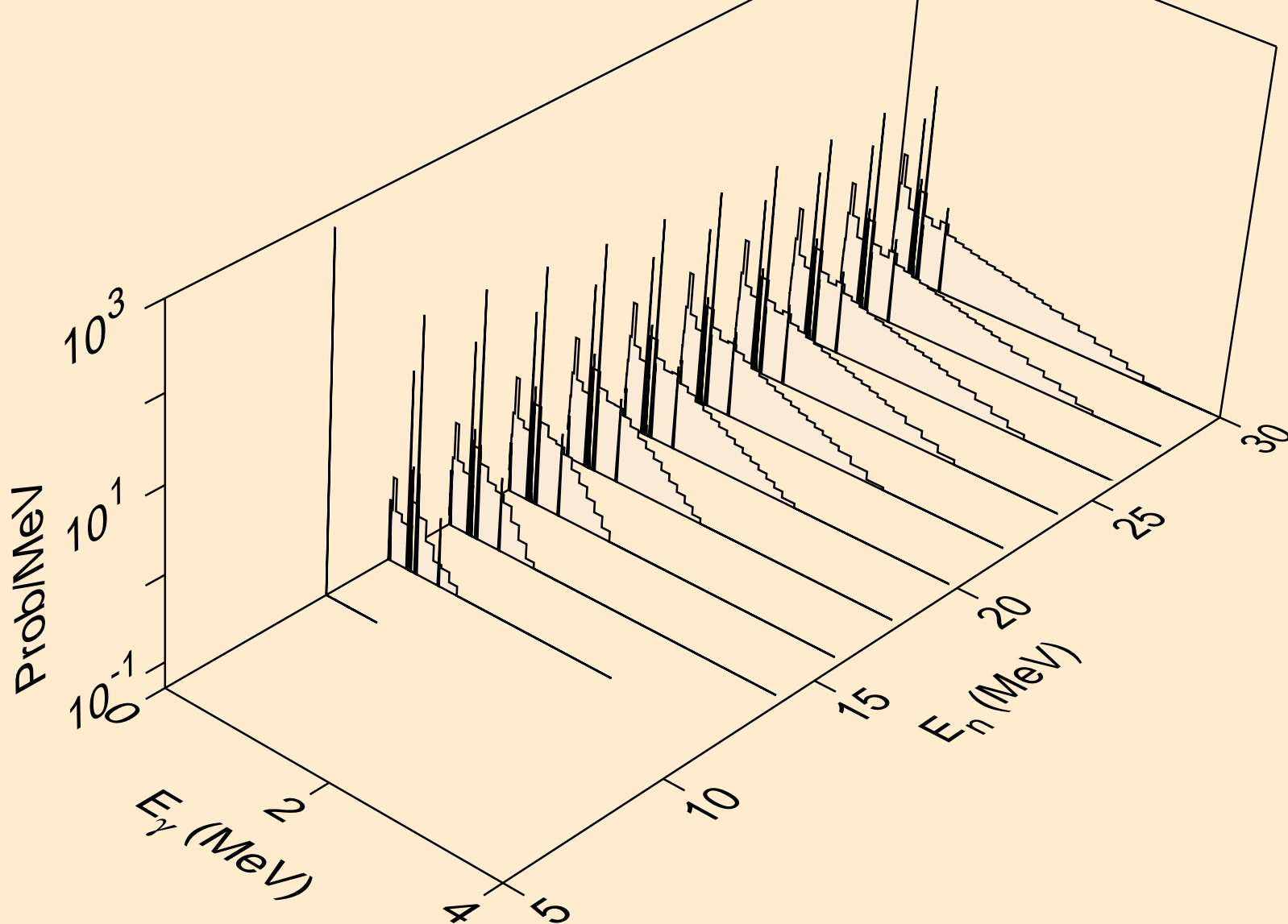
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Photon emission for (n,p)



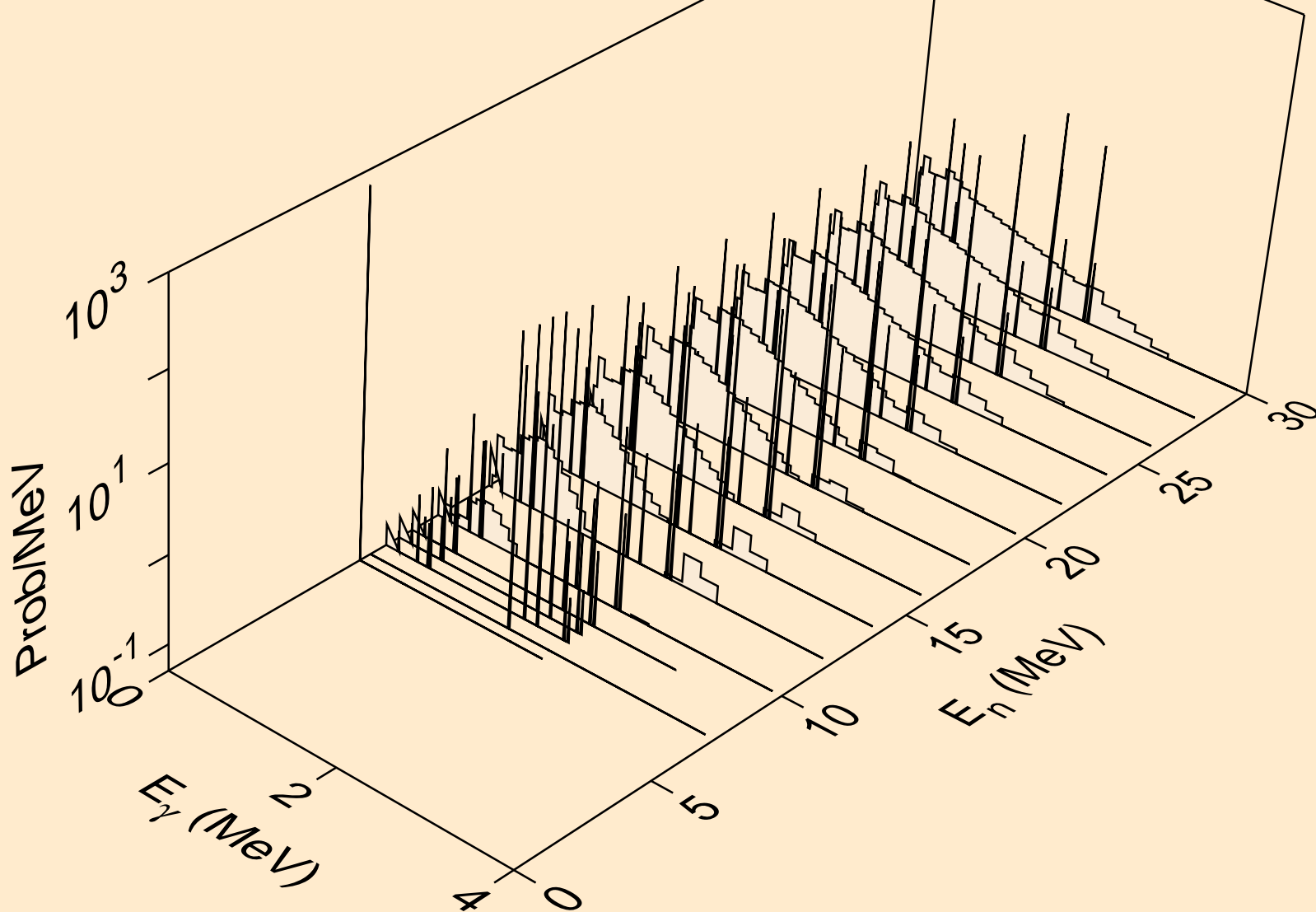
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Photon emission for (n,d)



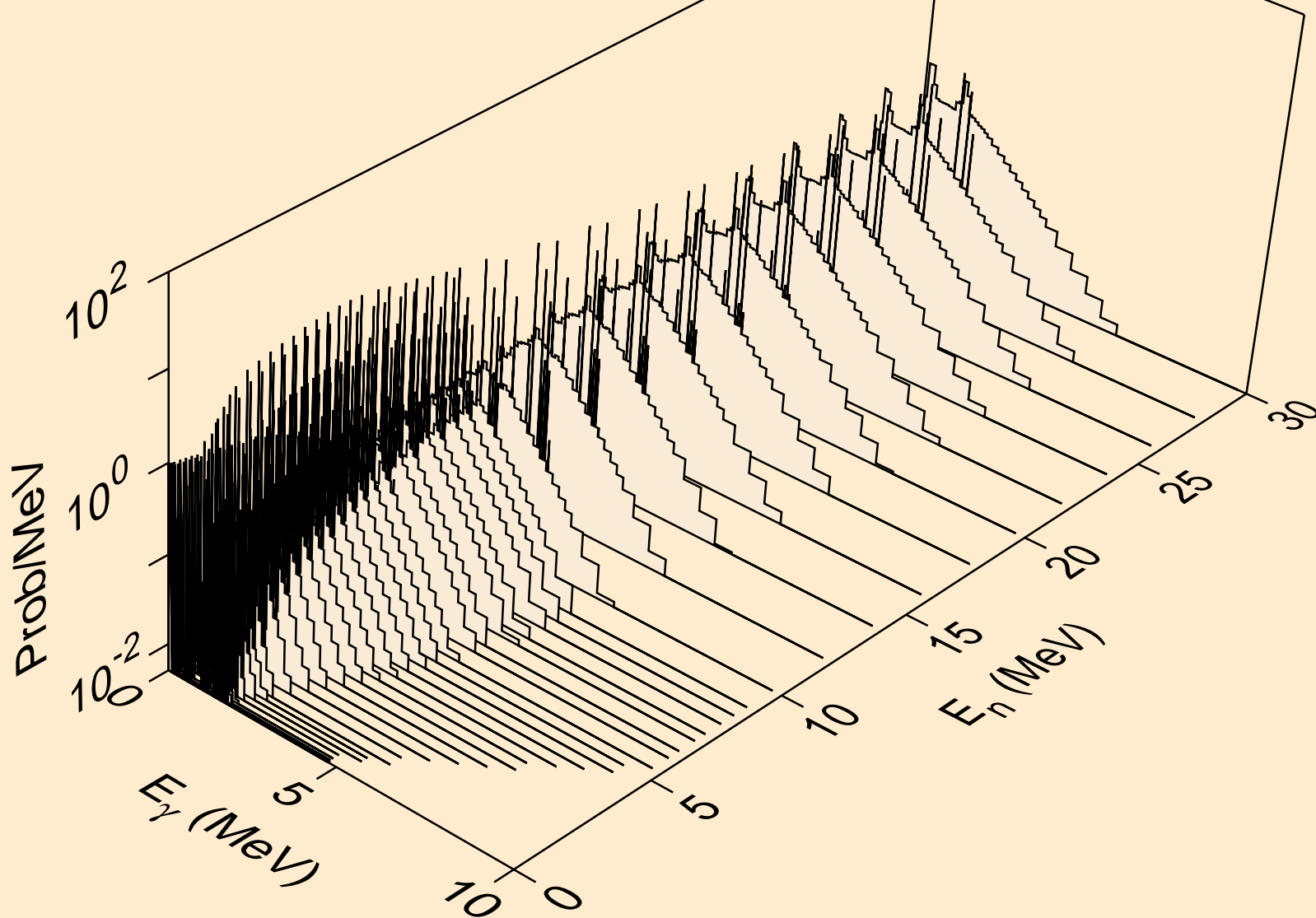
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Photon emission for (n,t)



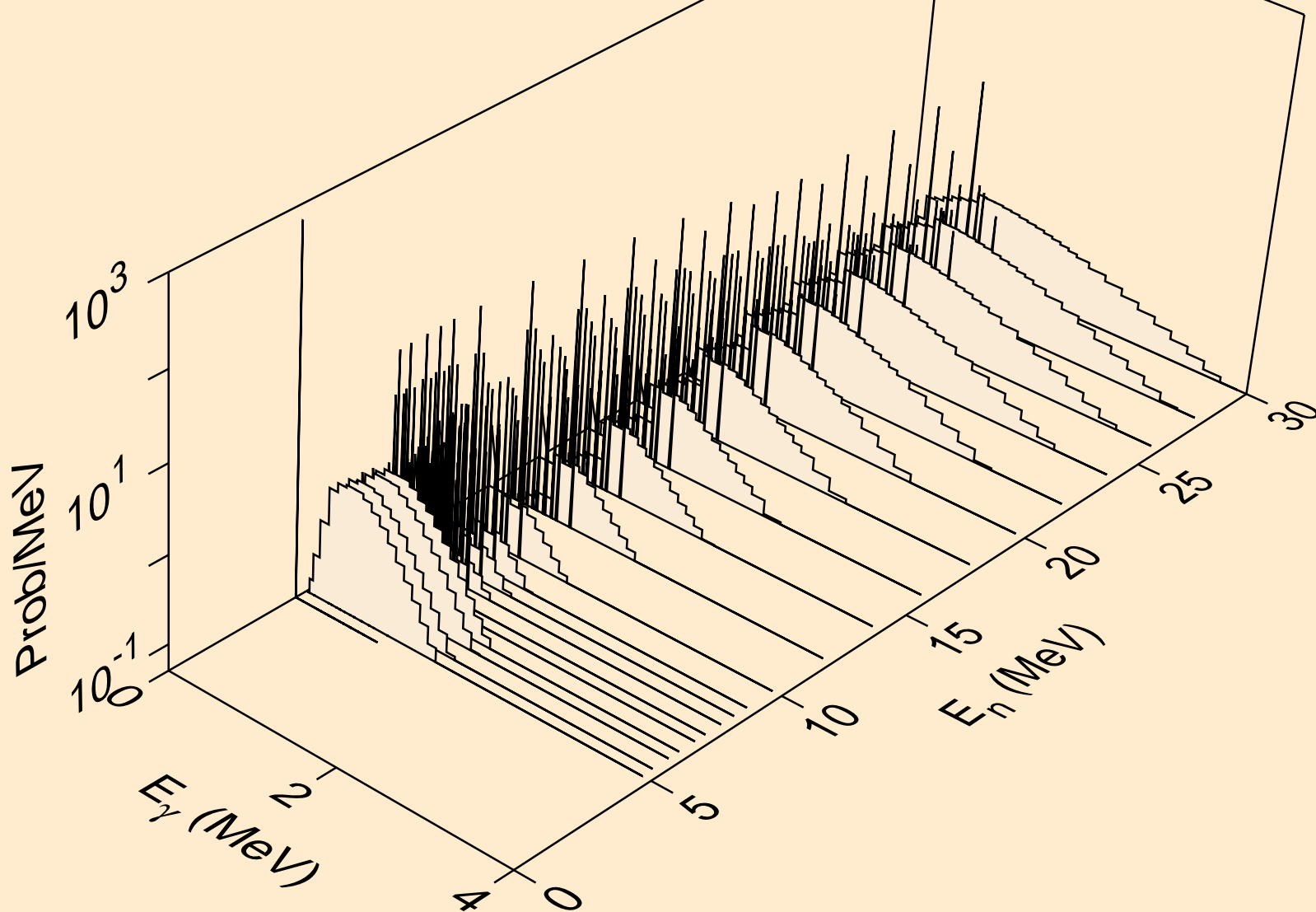
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Photon emission for (n,he3)



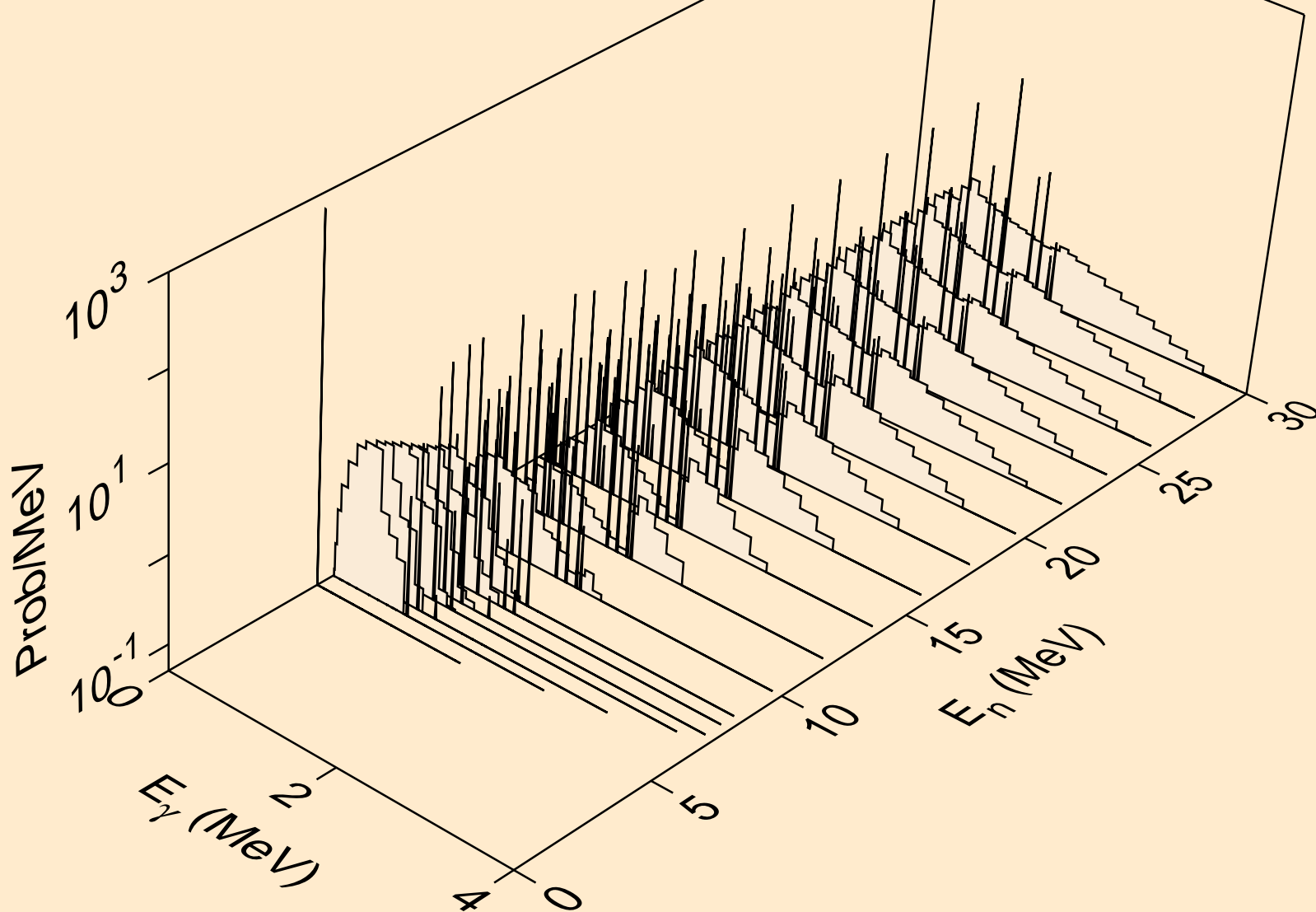
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Photon emission for (n,a)



GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2a)

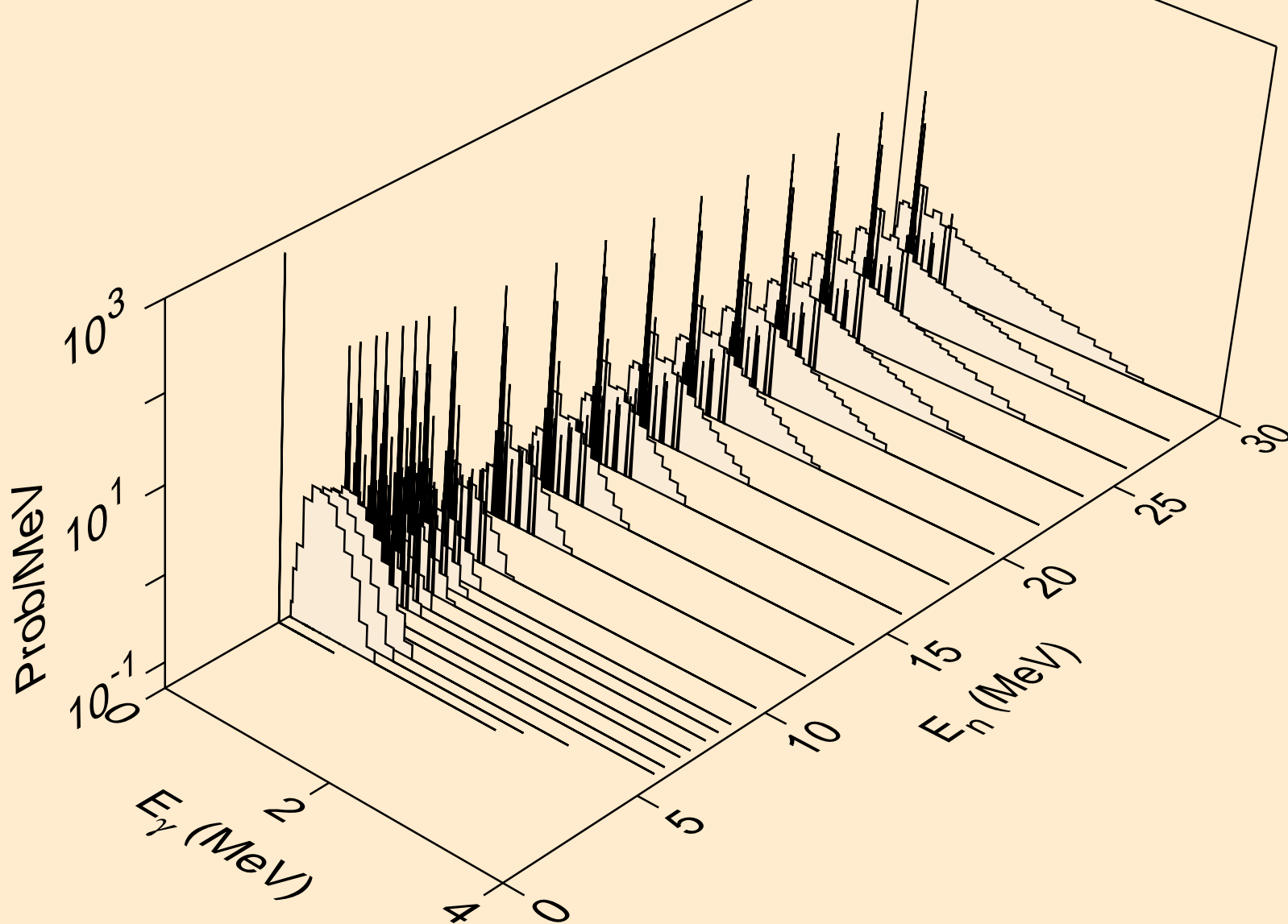


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Photon emission for (n,2p)

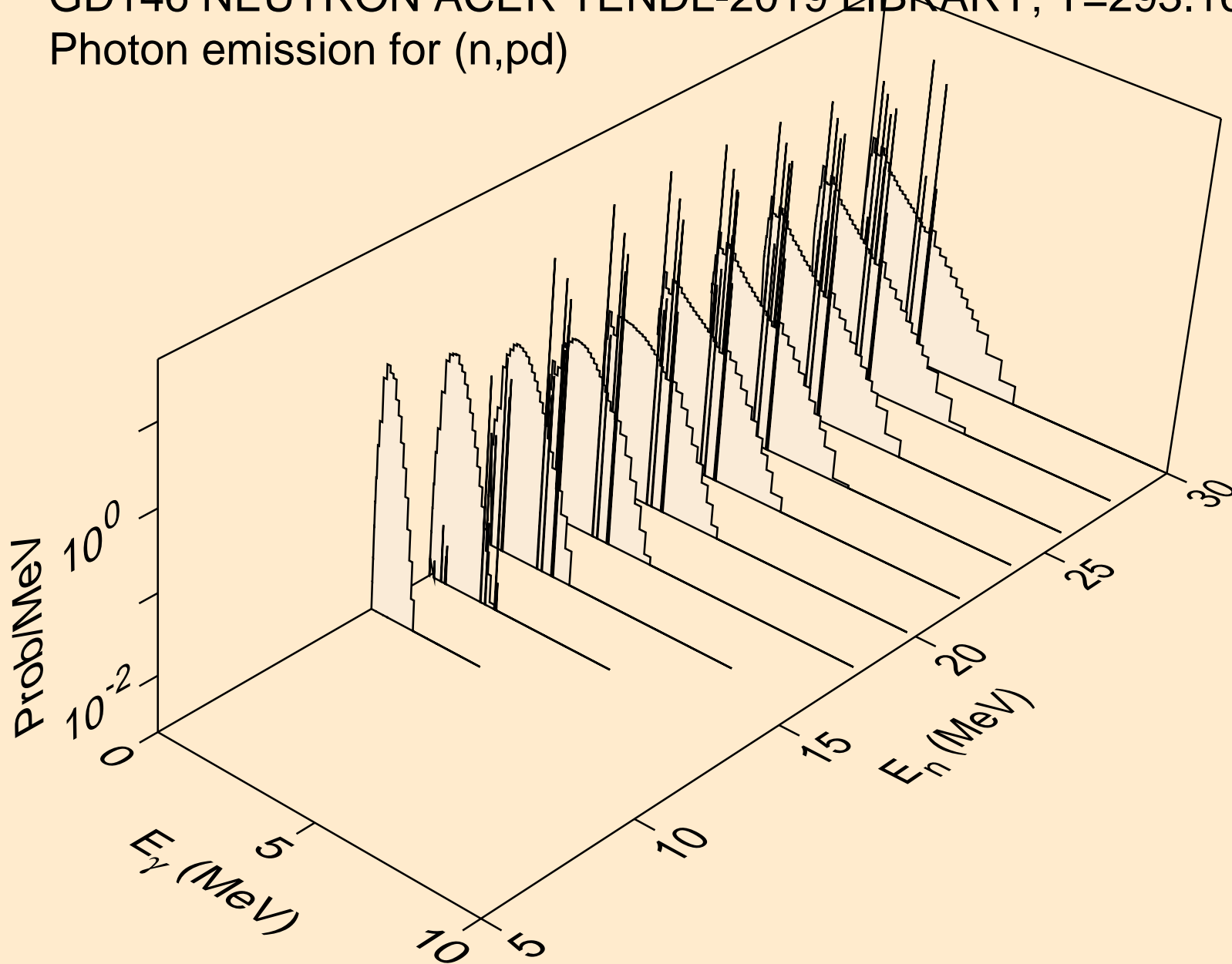




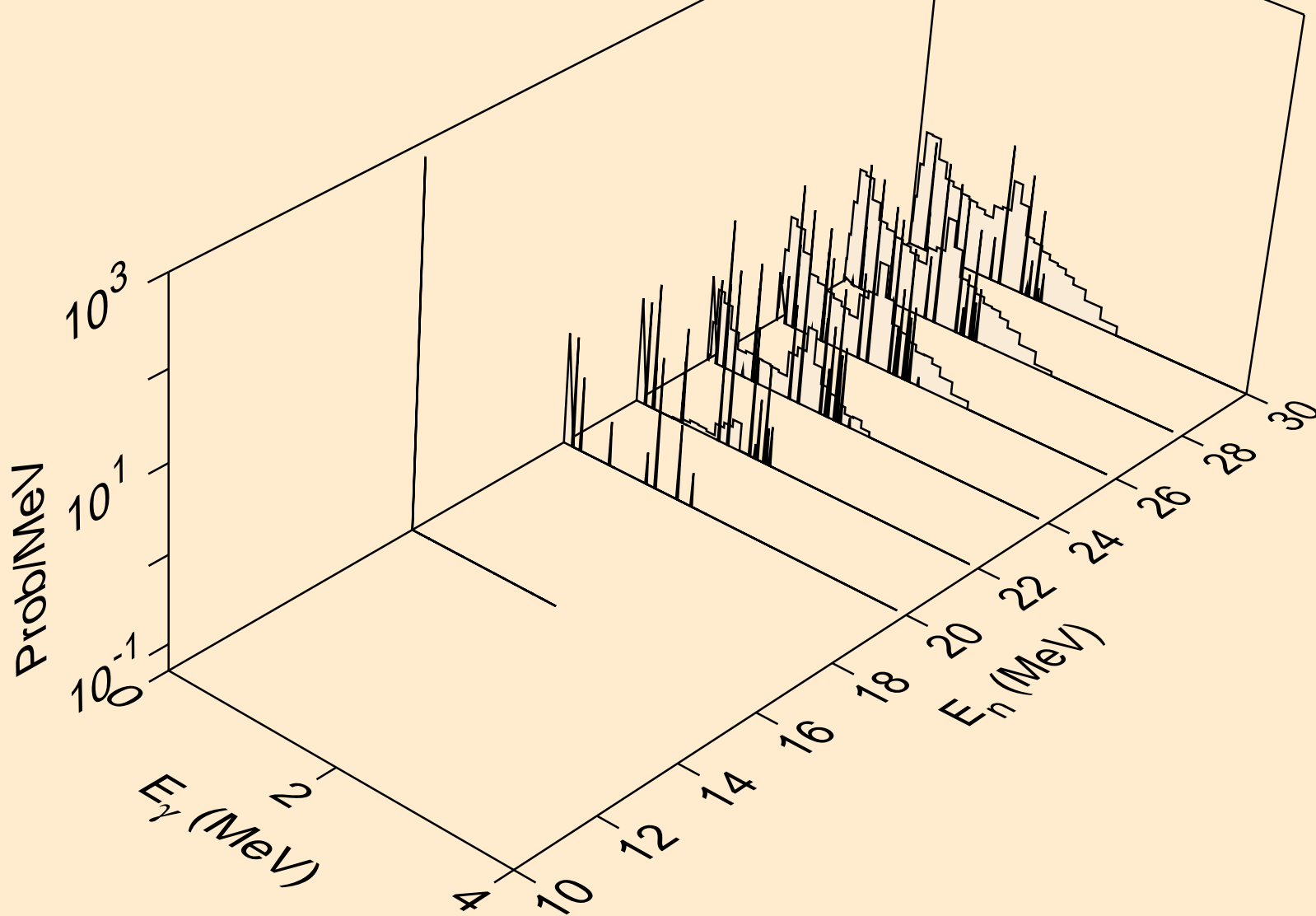
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Photon emission for (n,p)



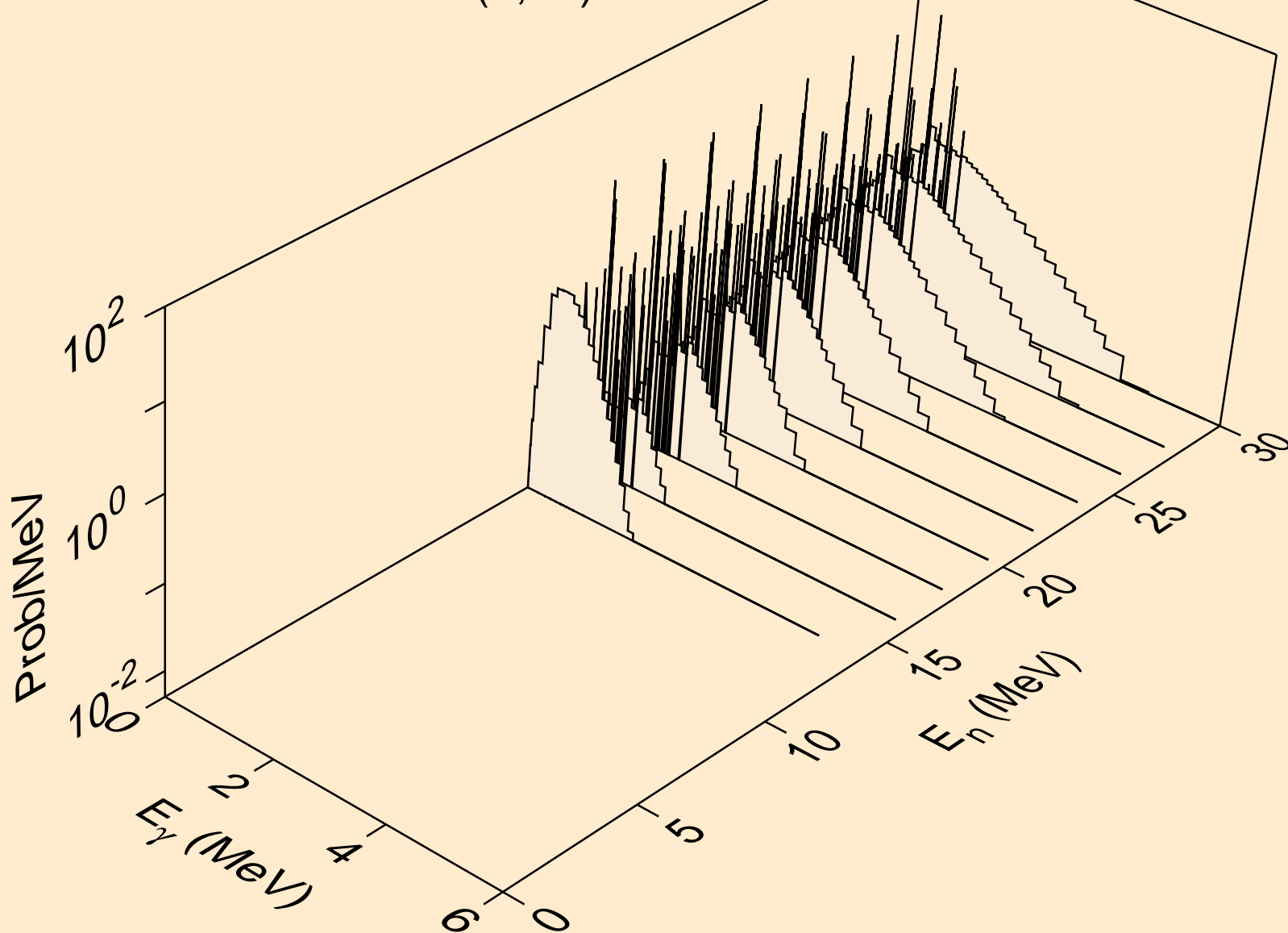
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Photon emission for (n,pd)



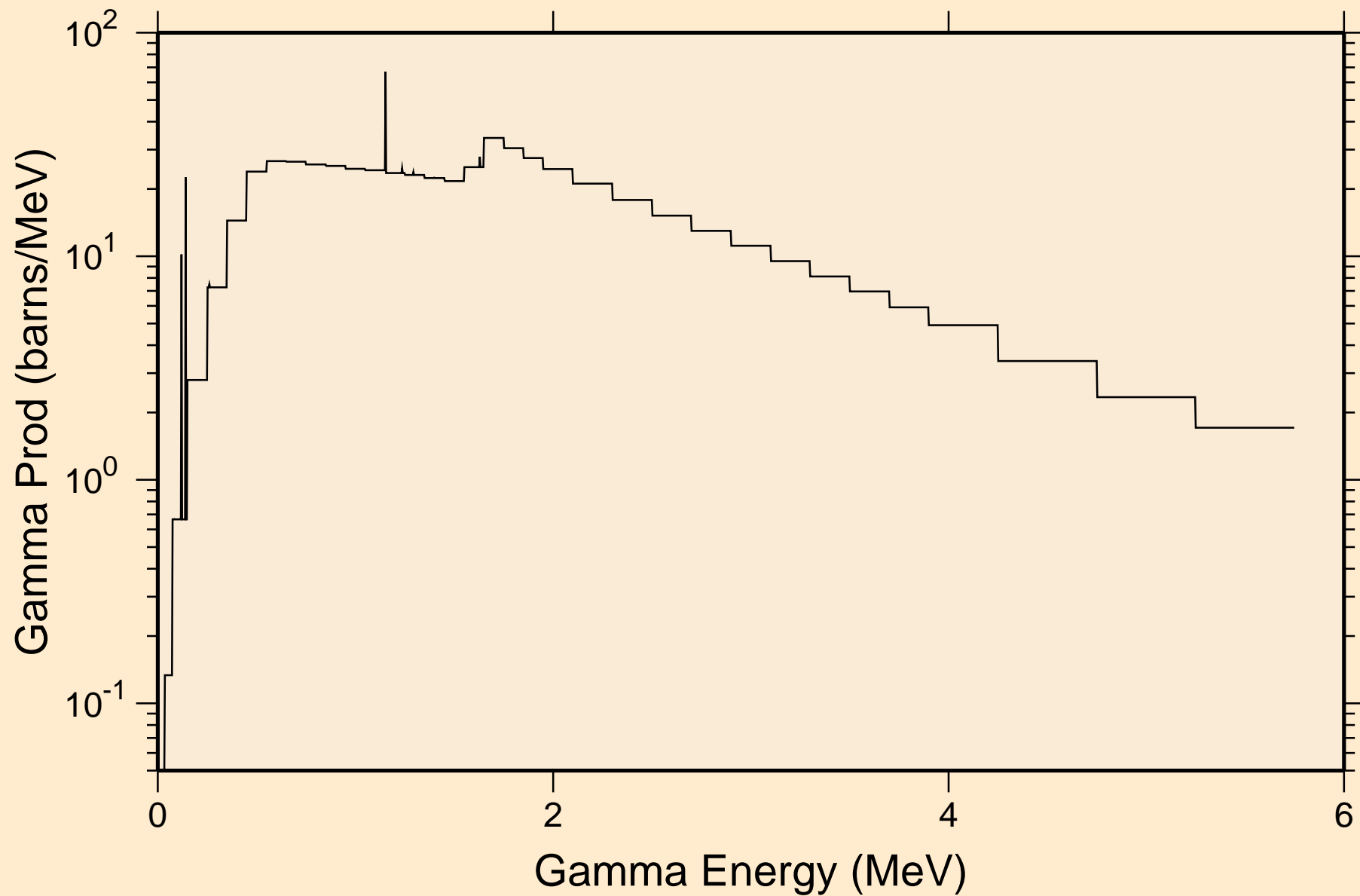
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Photon emission for (n,pt)



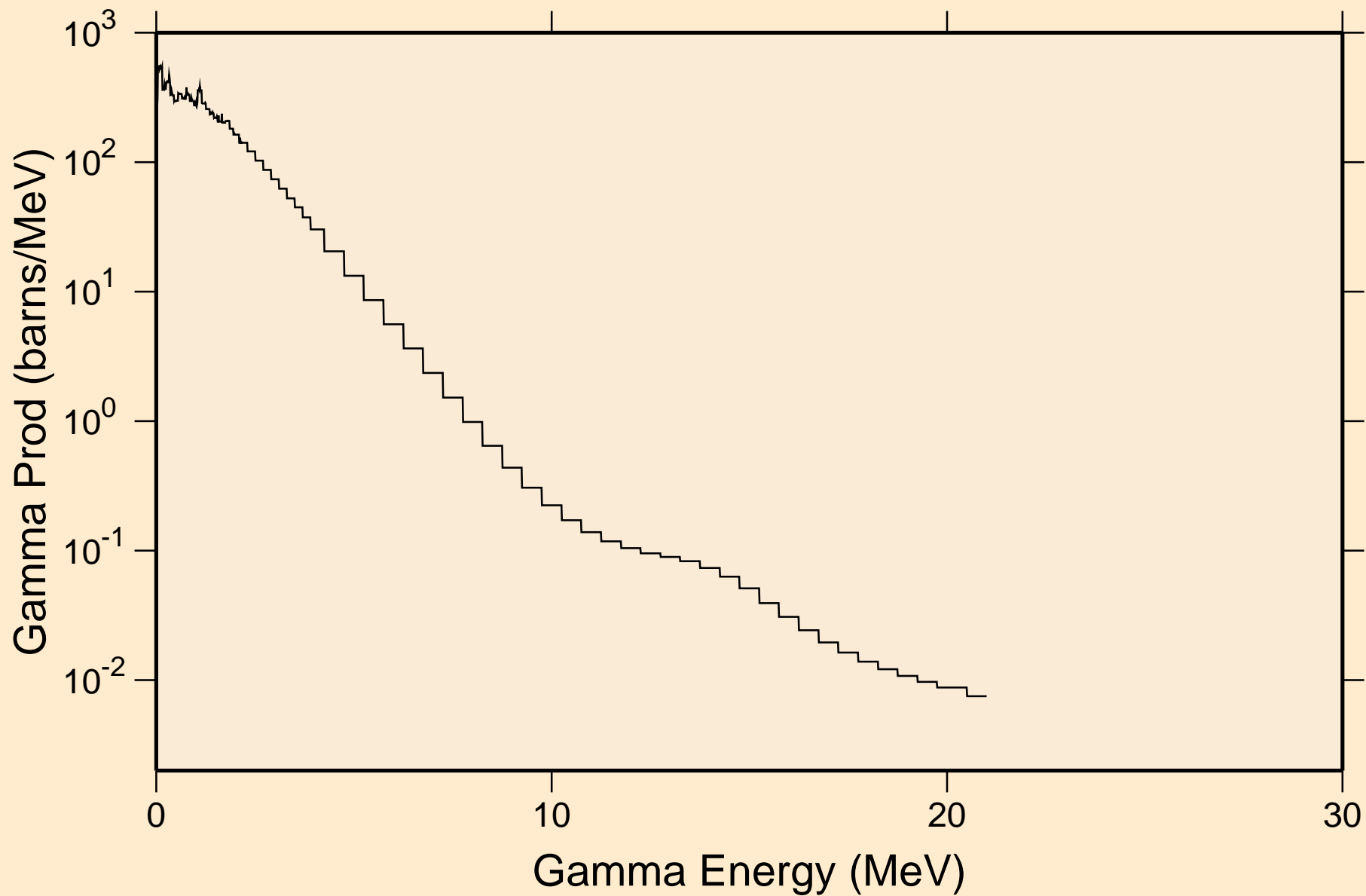
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Photon emission for (n,da)



GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

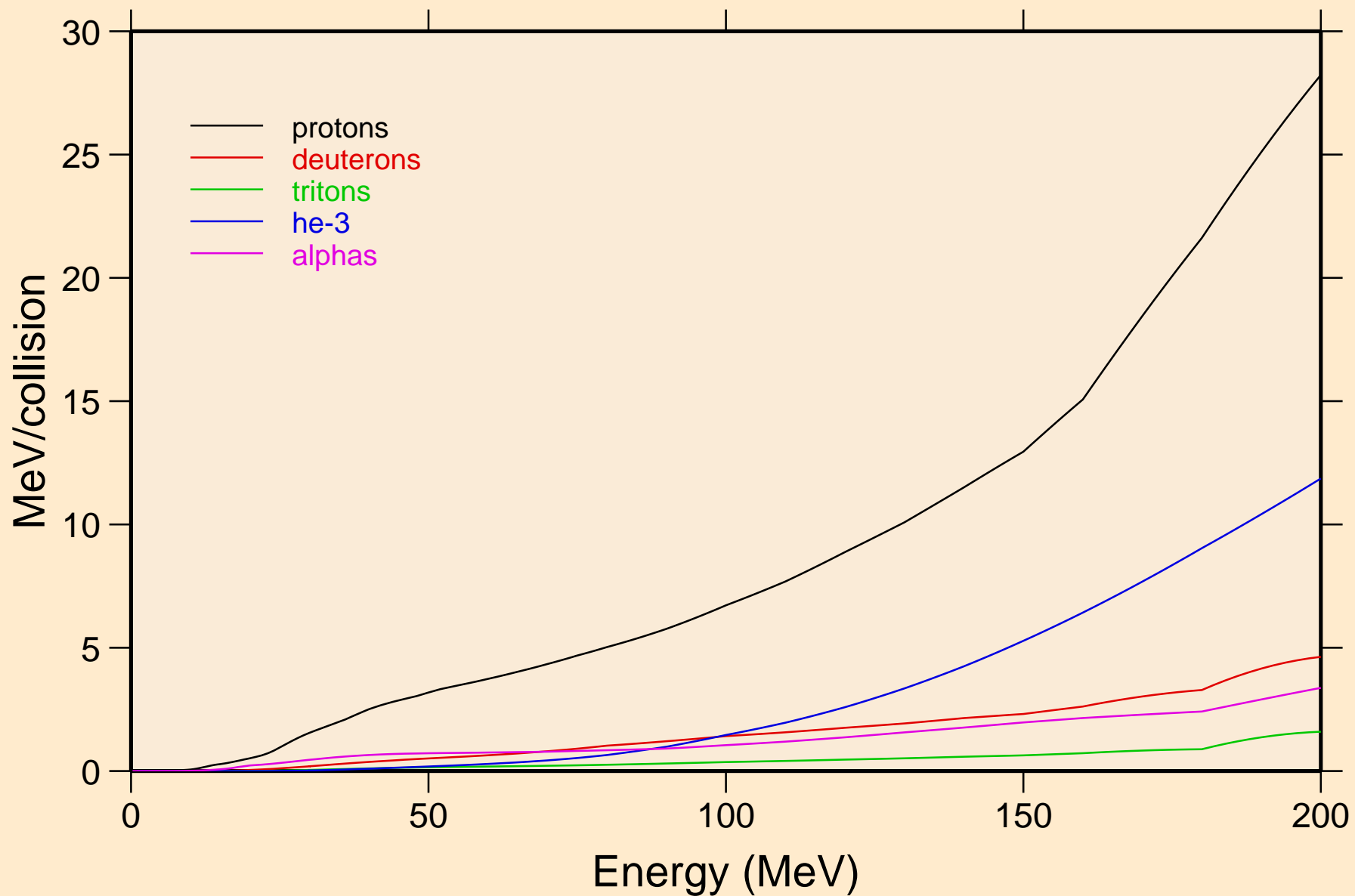


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14 MeV photon spectrum

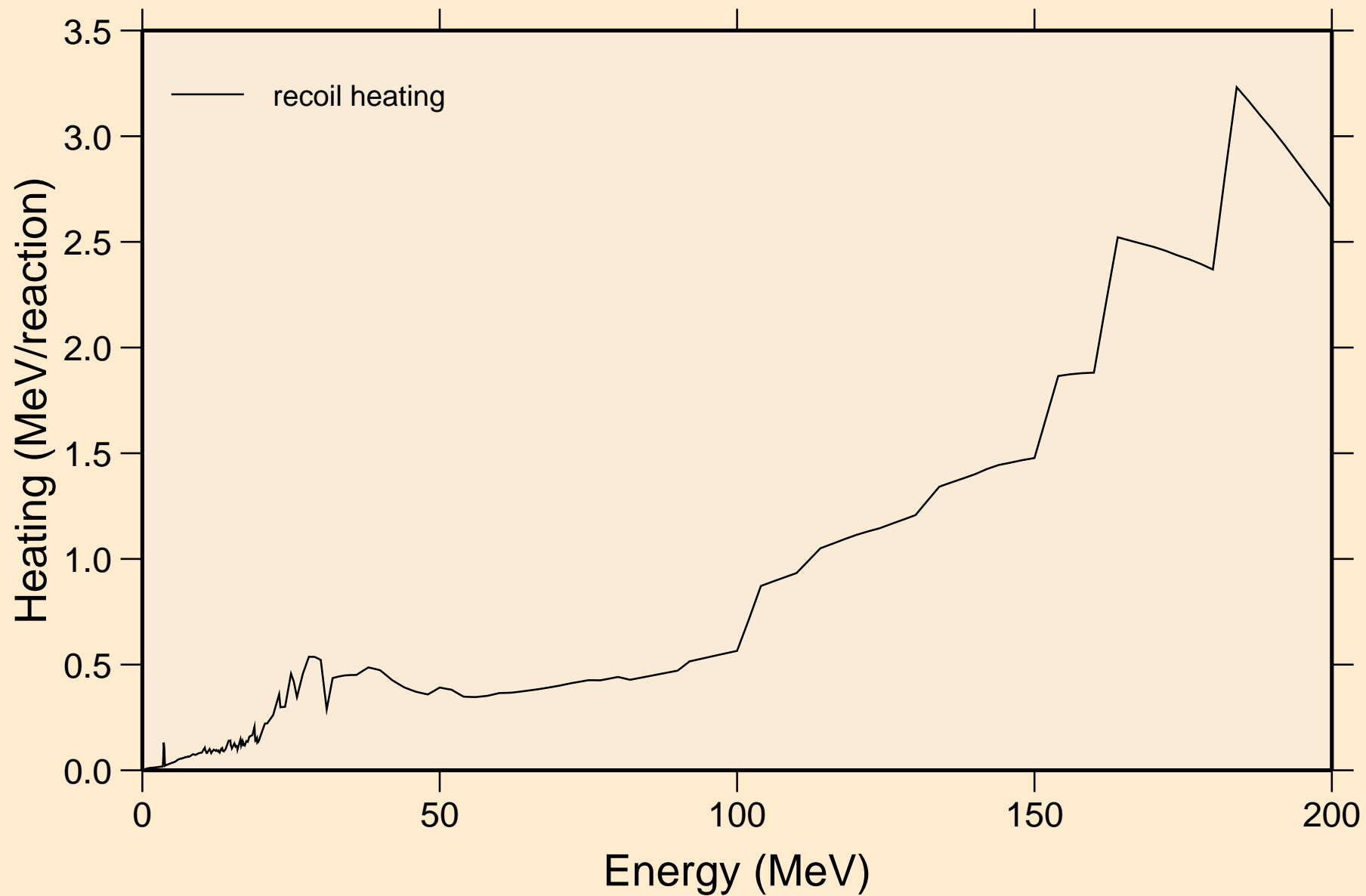


# GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Particle heating contributions

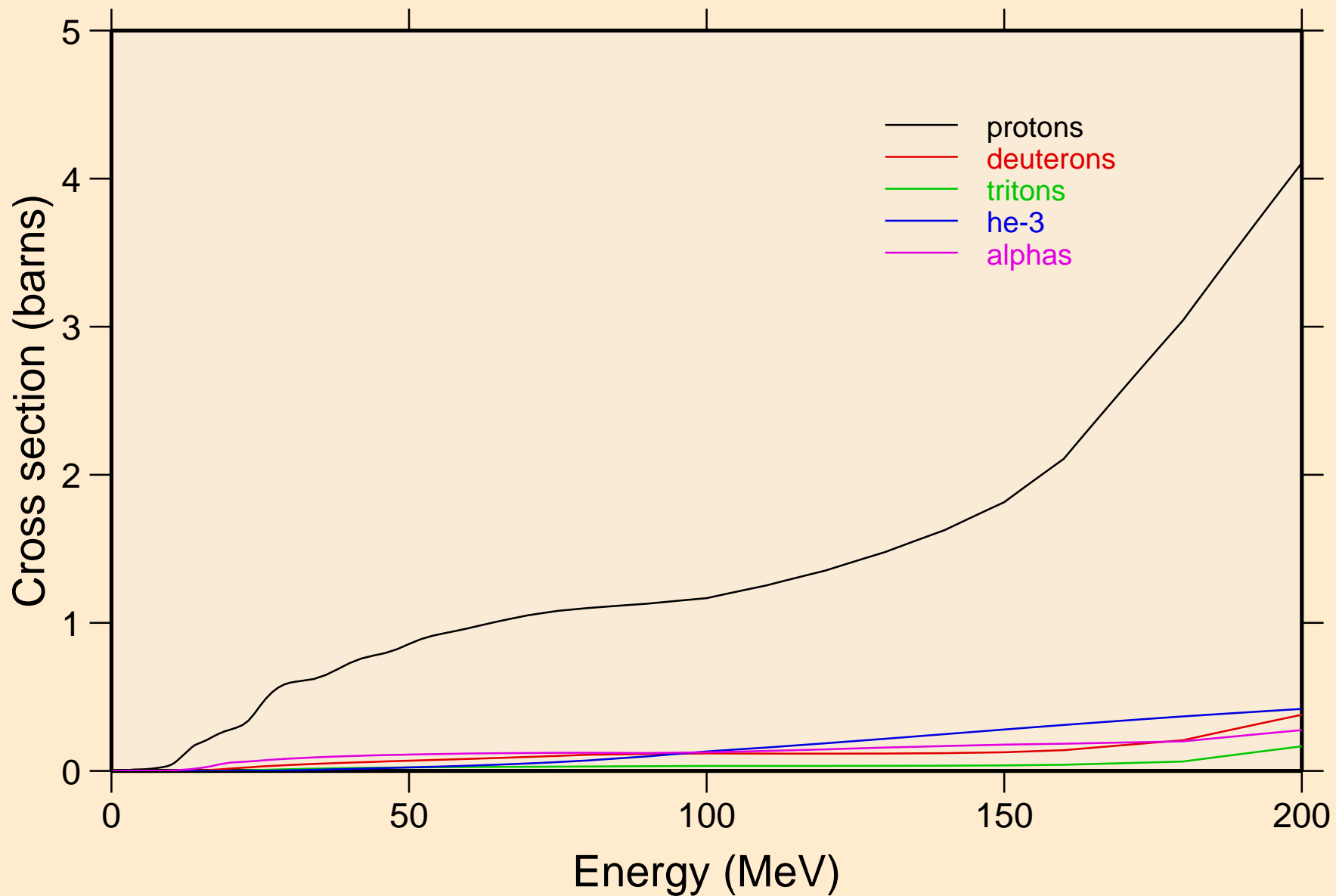


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Recoil Heating

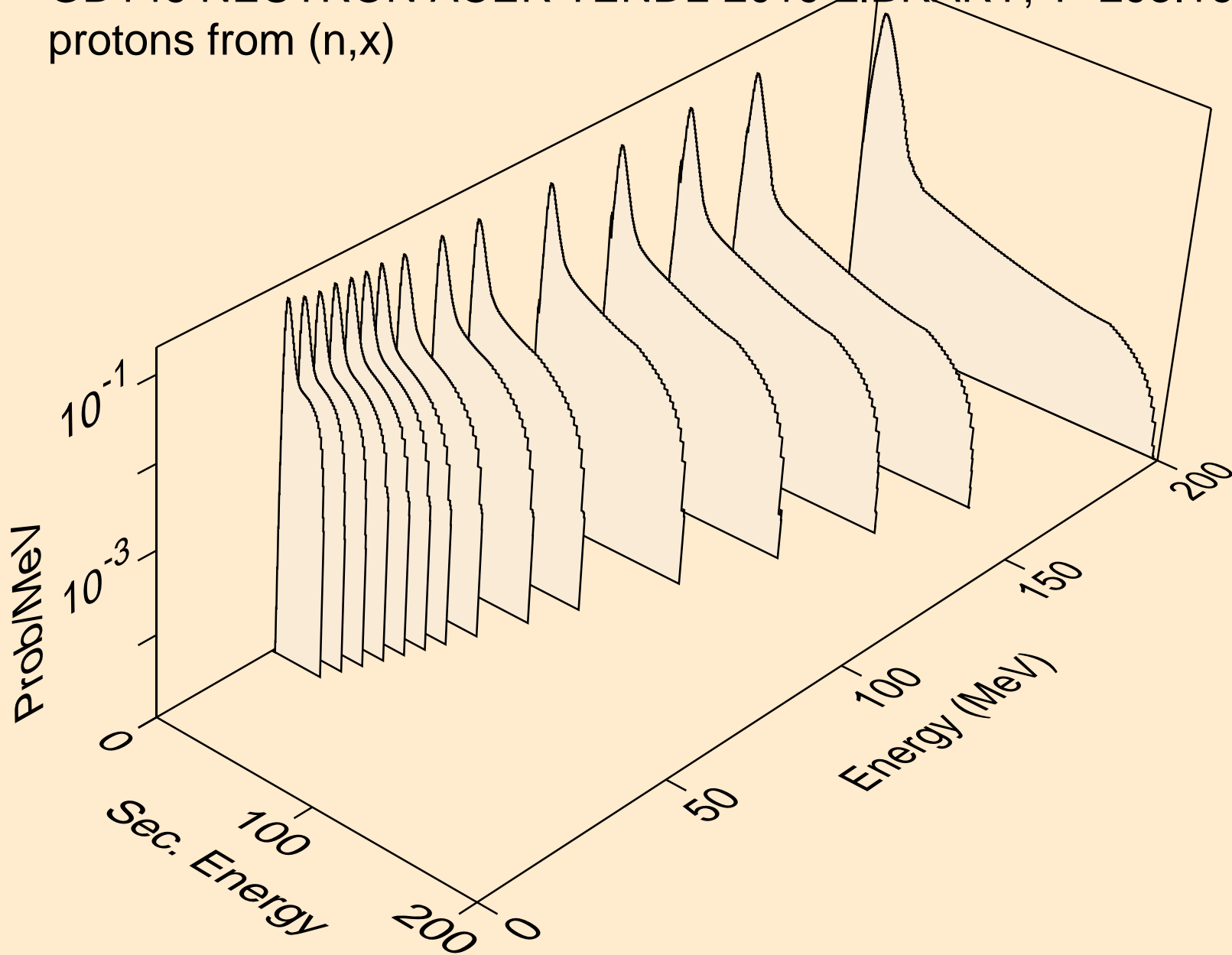




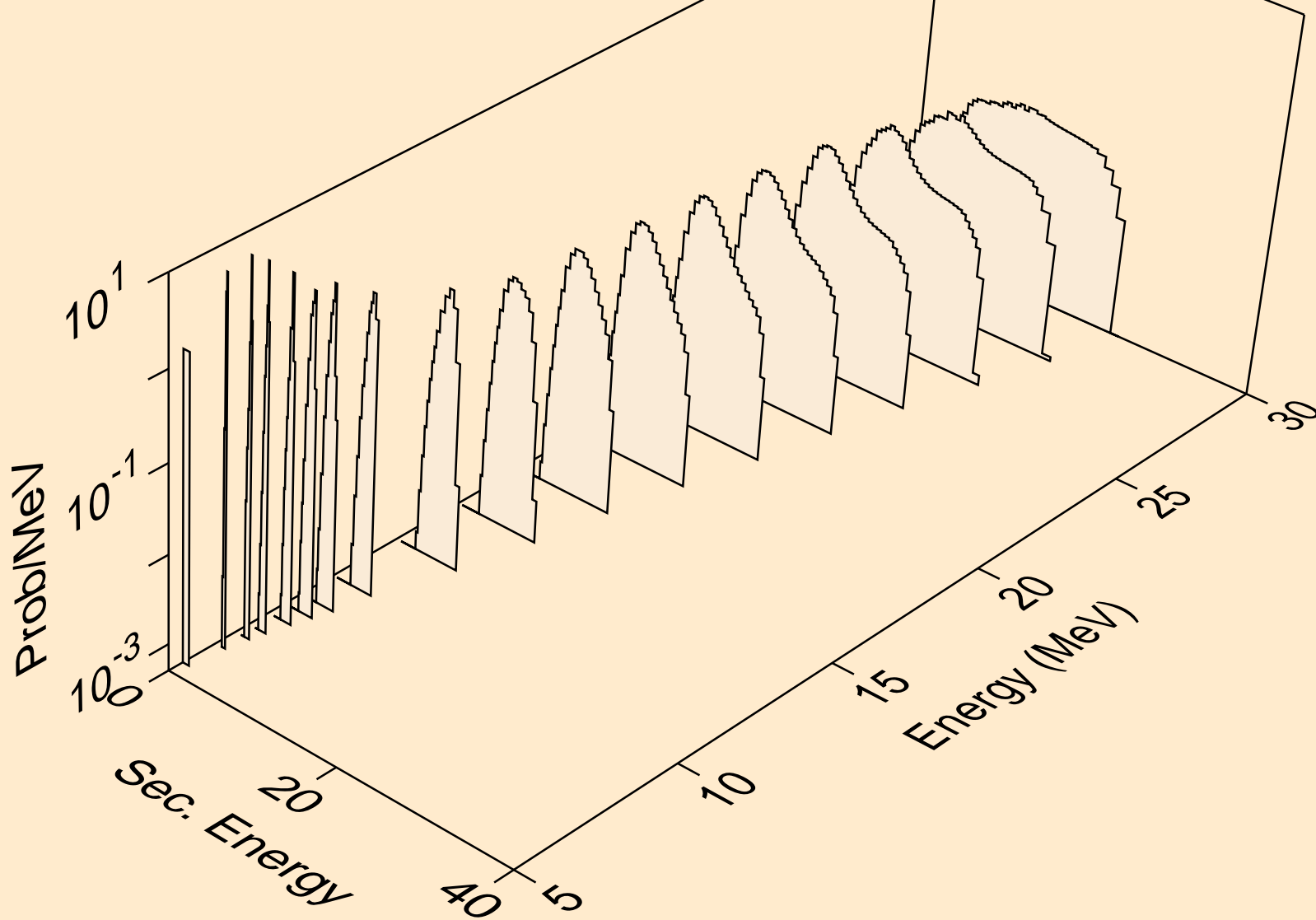
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Particle production cross sections



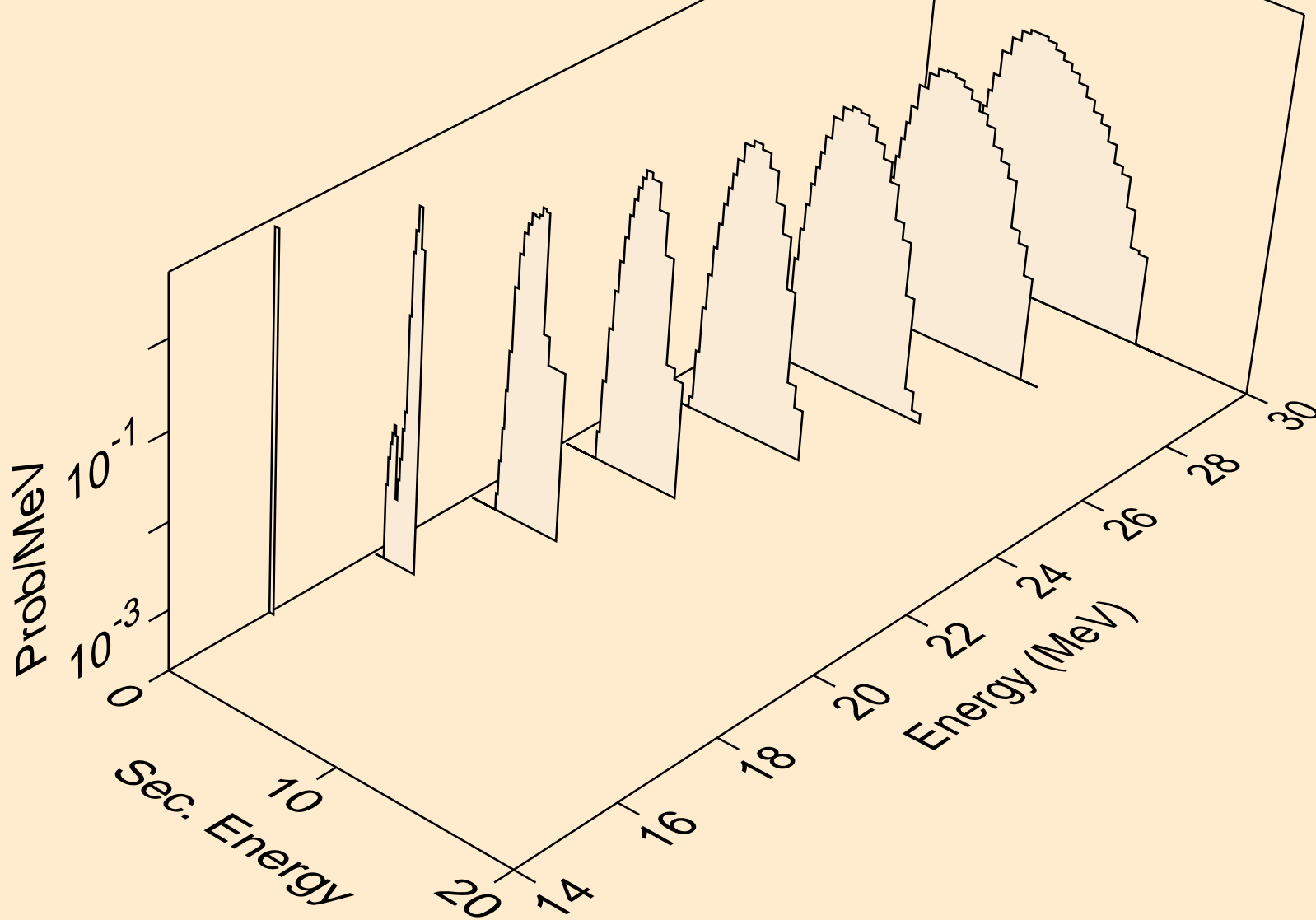
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protons from (n,x)



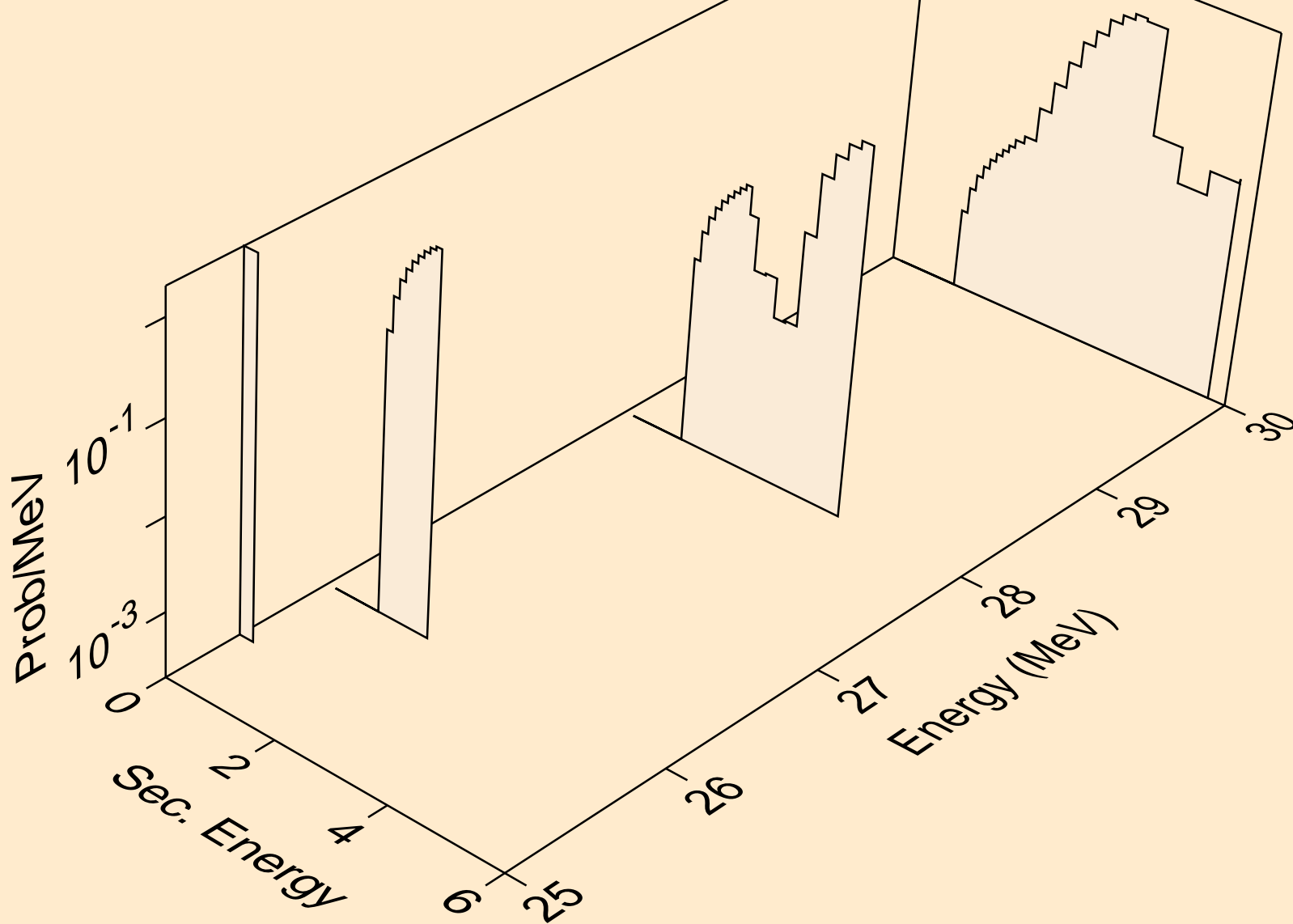
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protons from (n,n\*)p



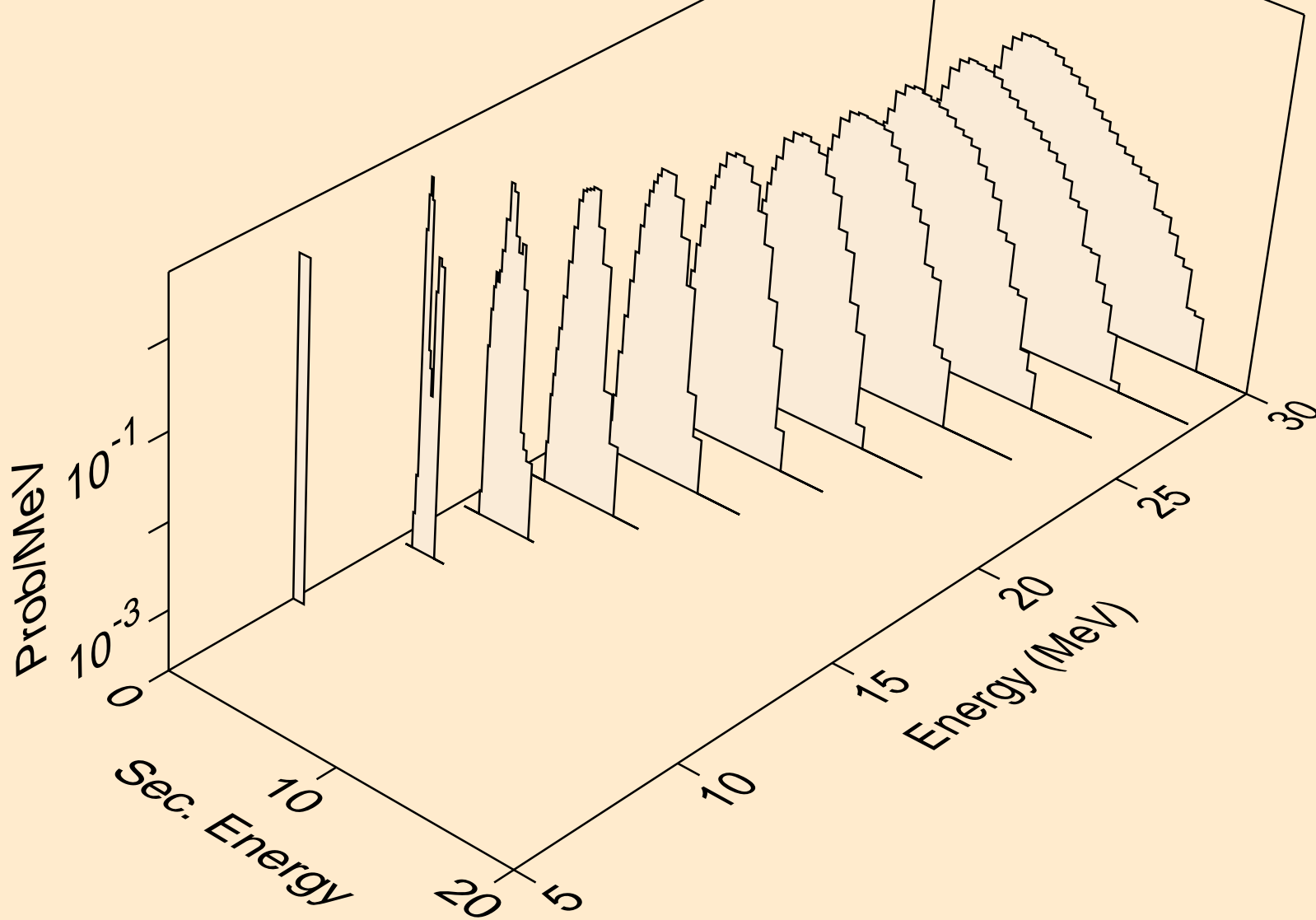
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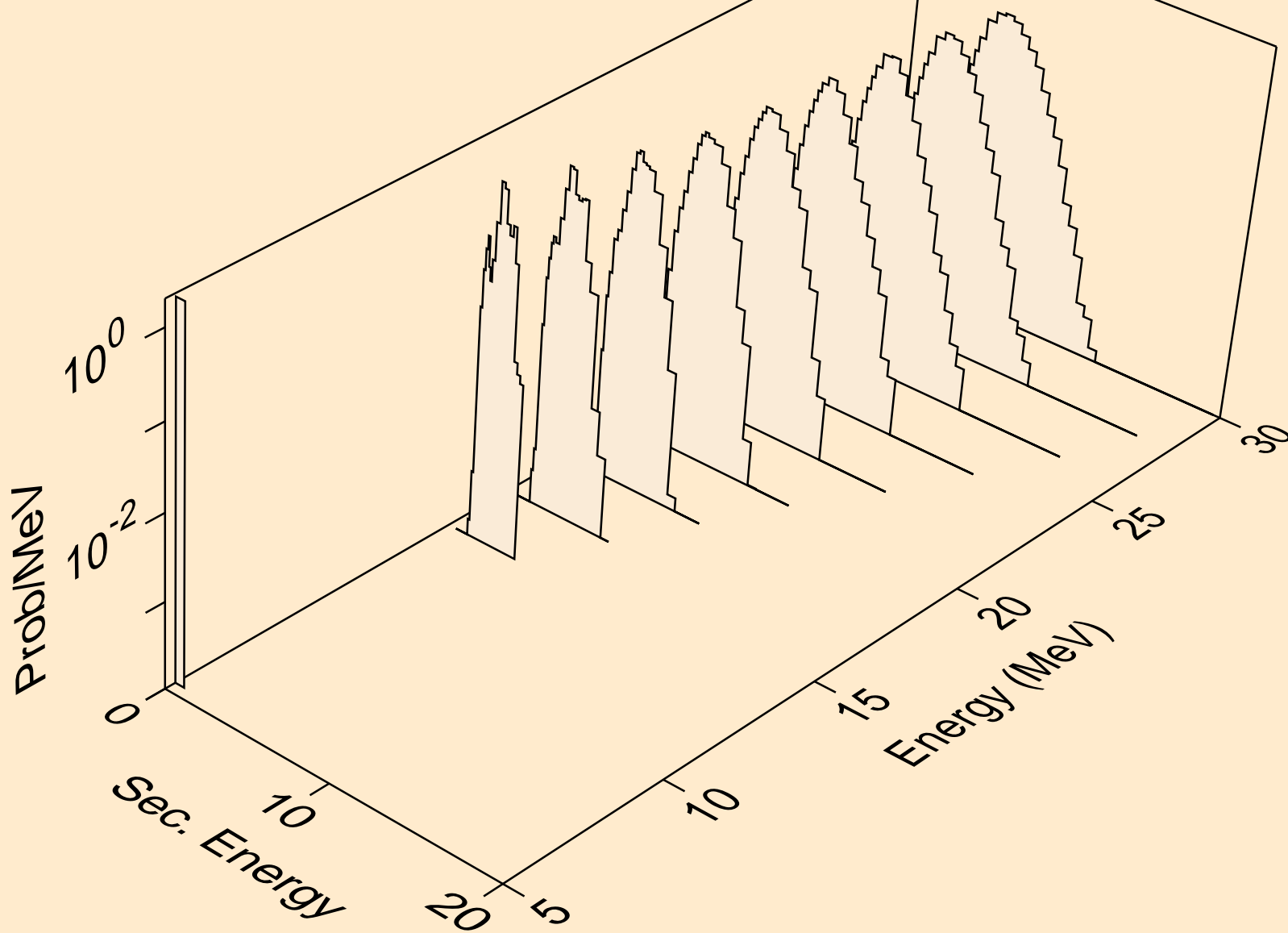
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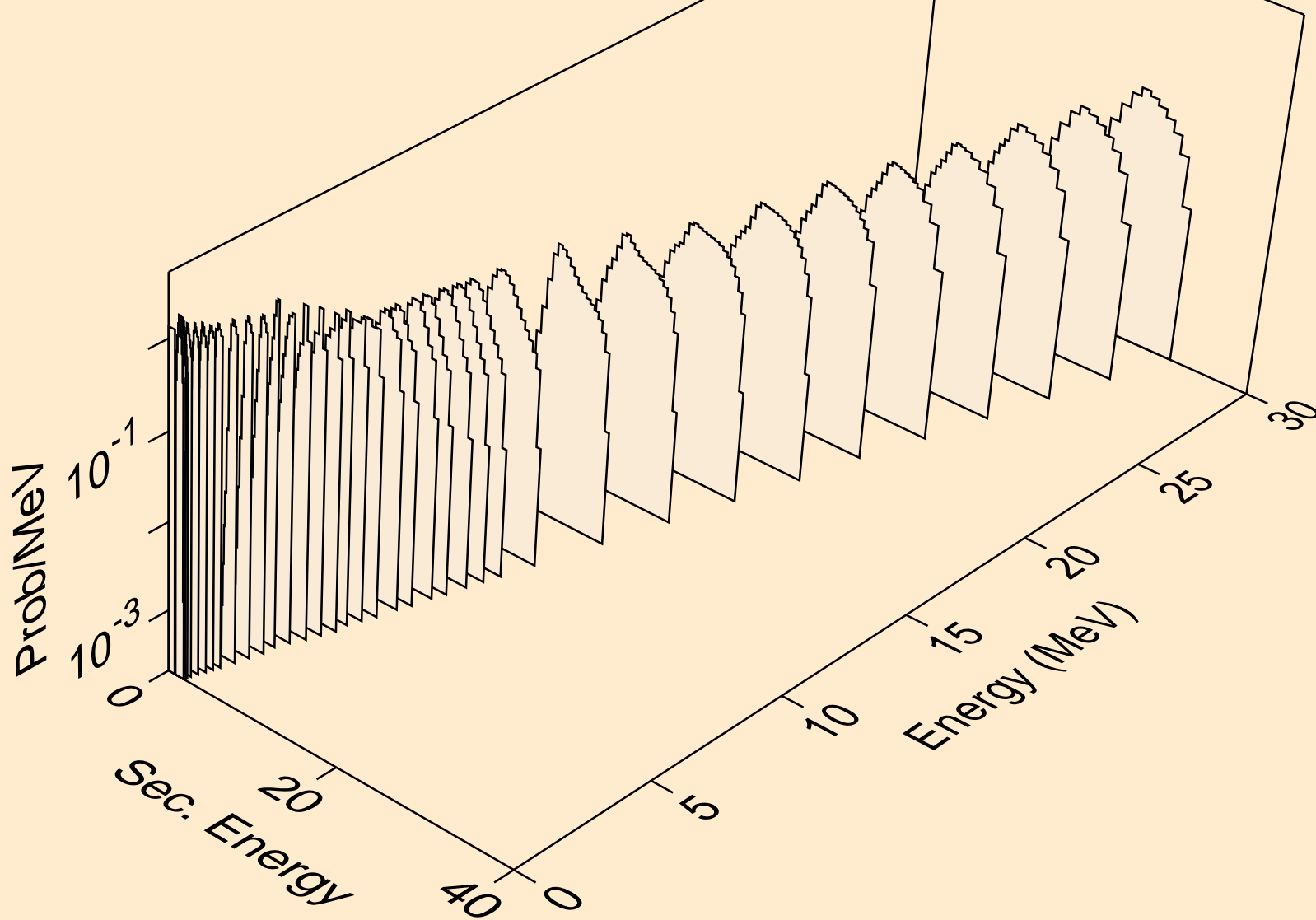
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protons from (n,2np)



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protons from (n,npa)

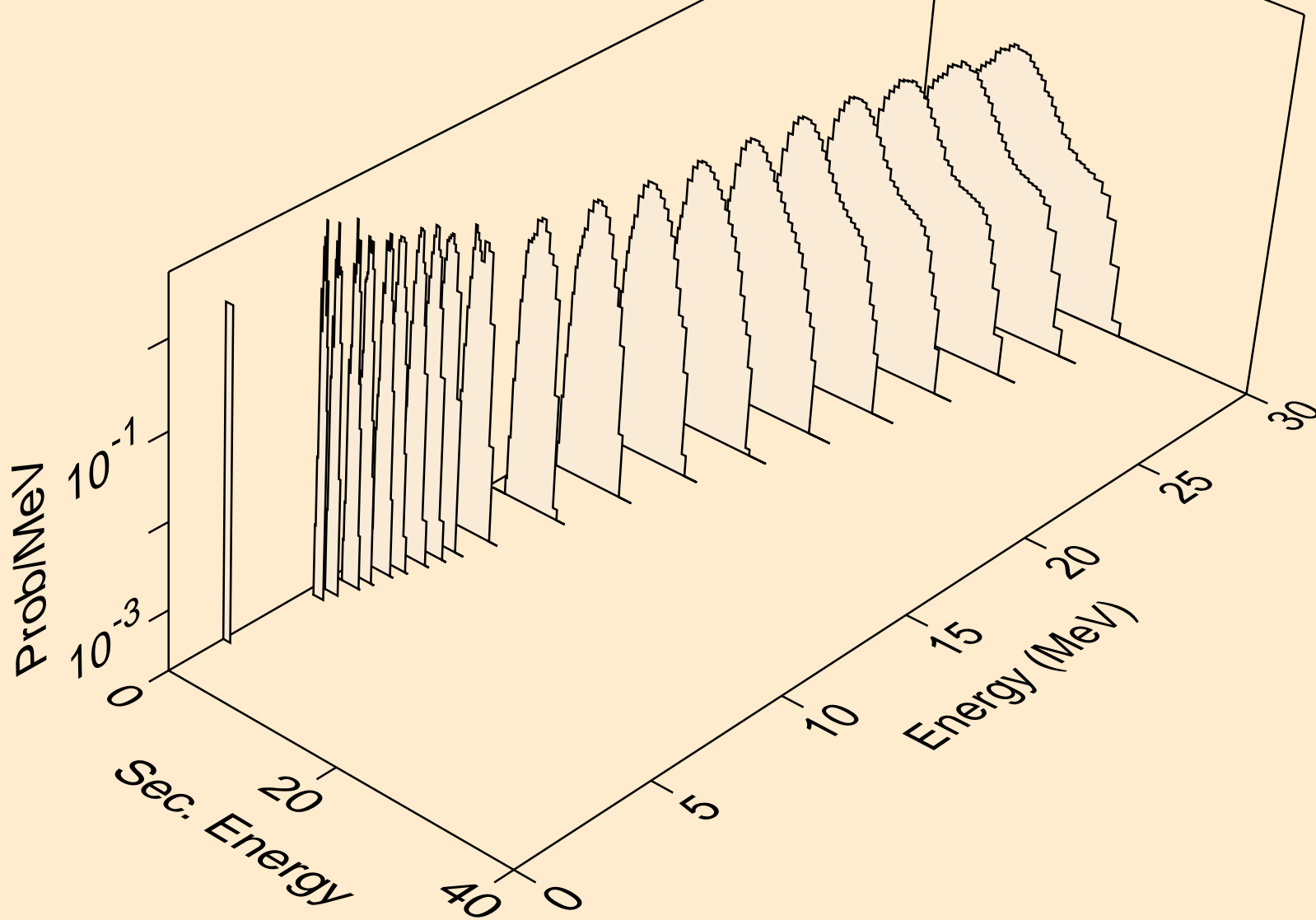


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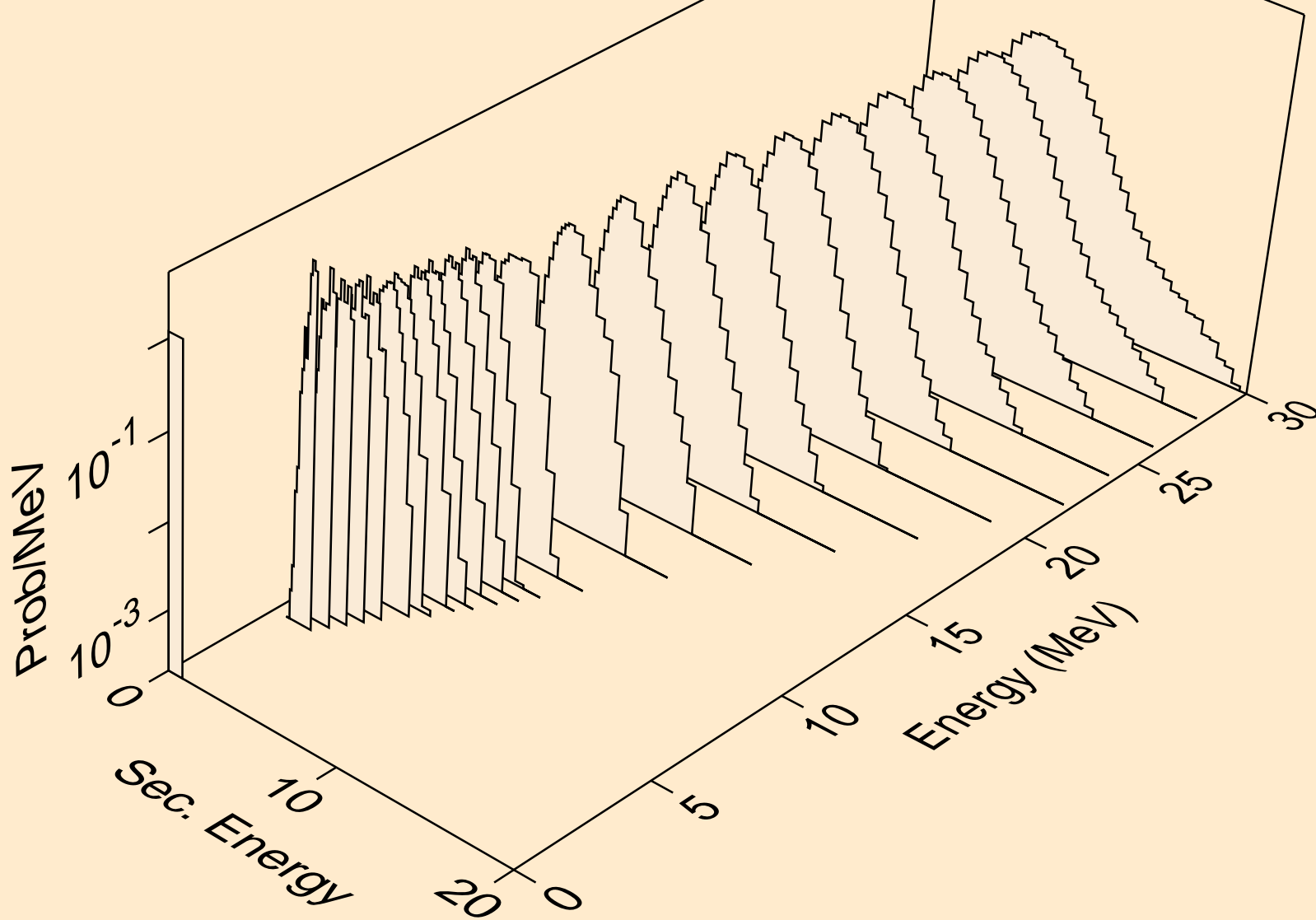




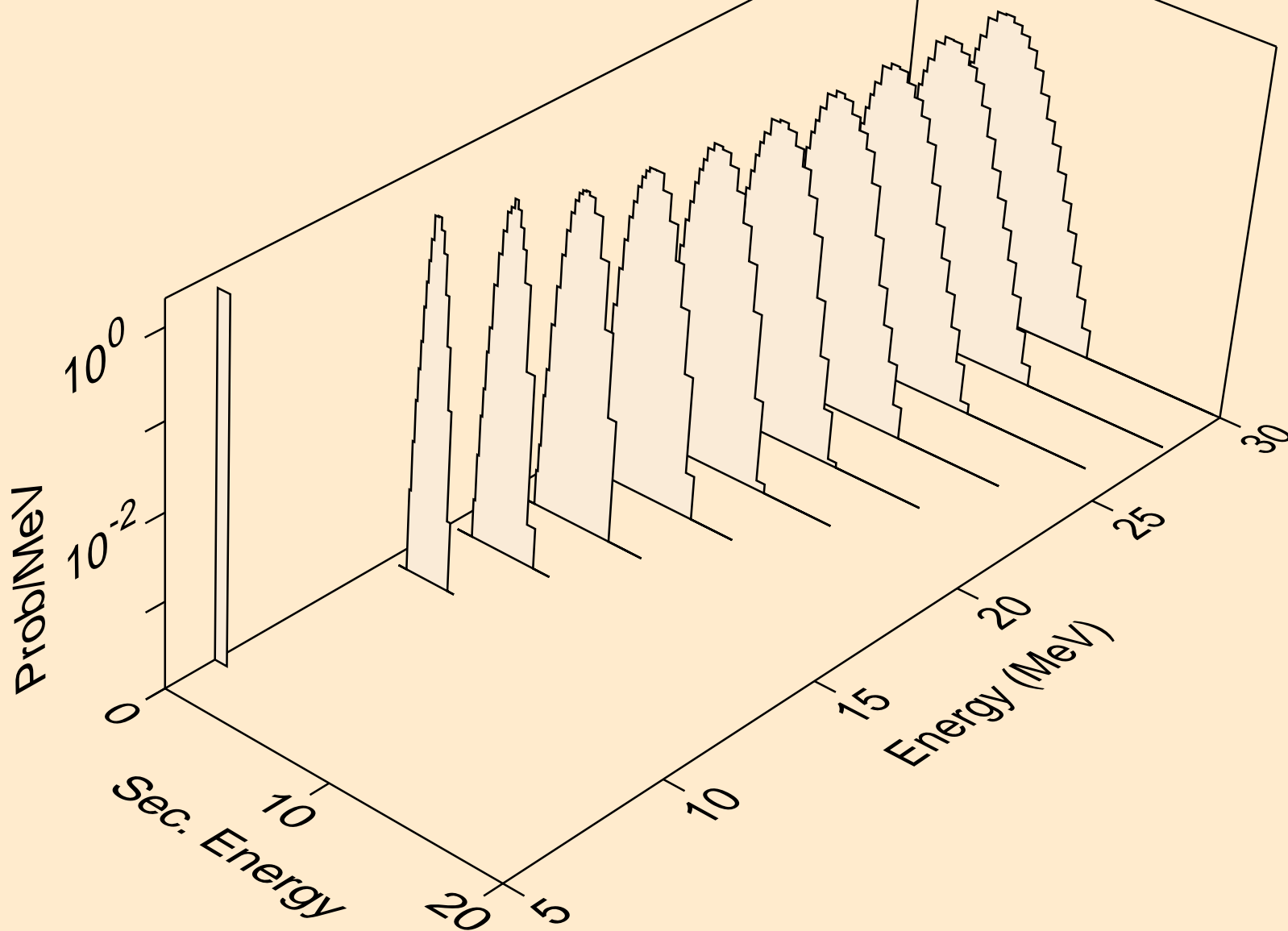
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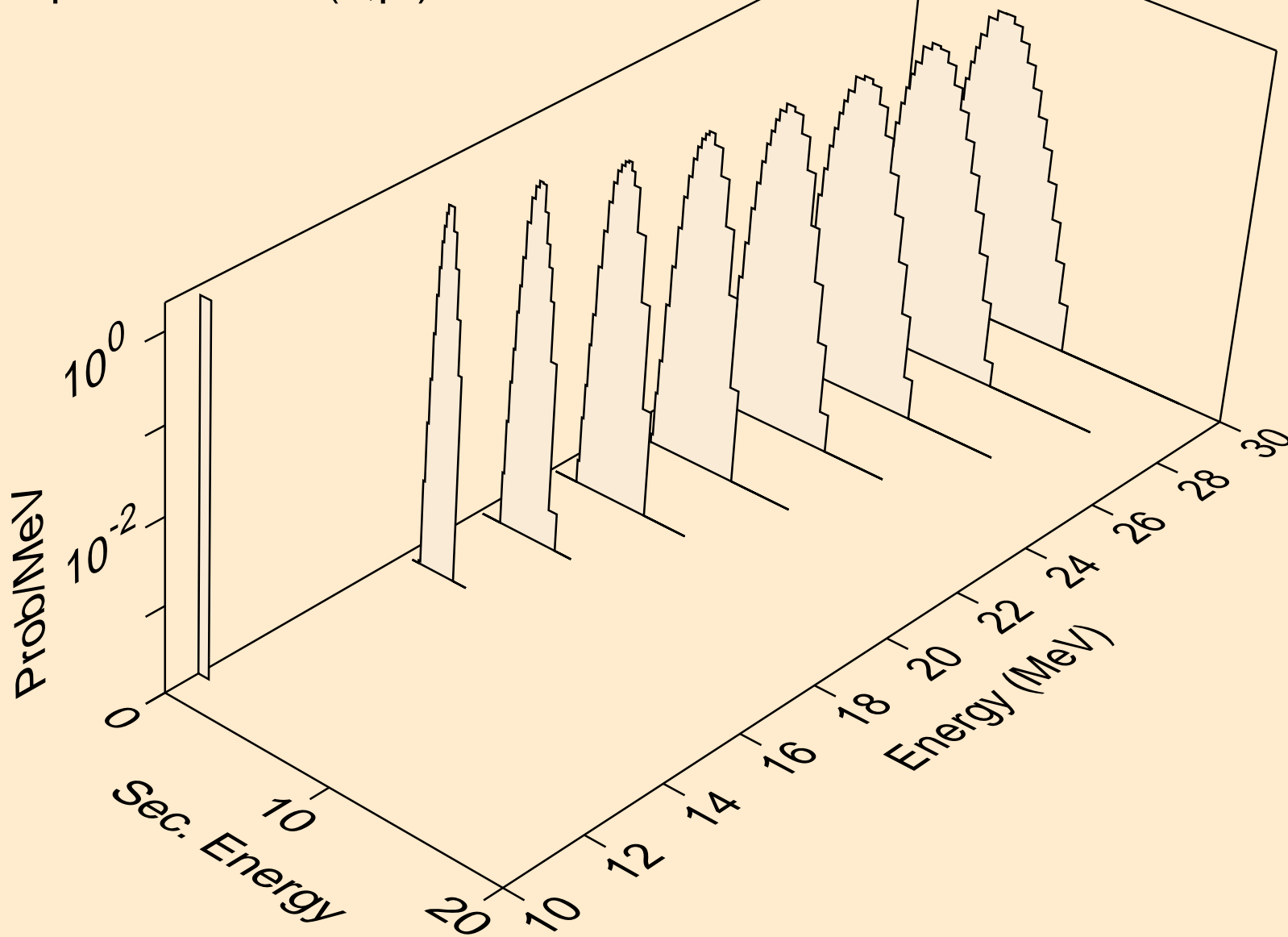
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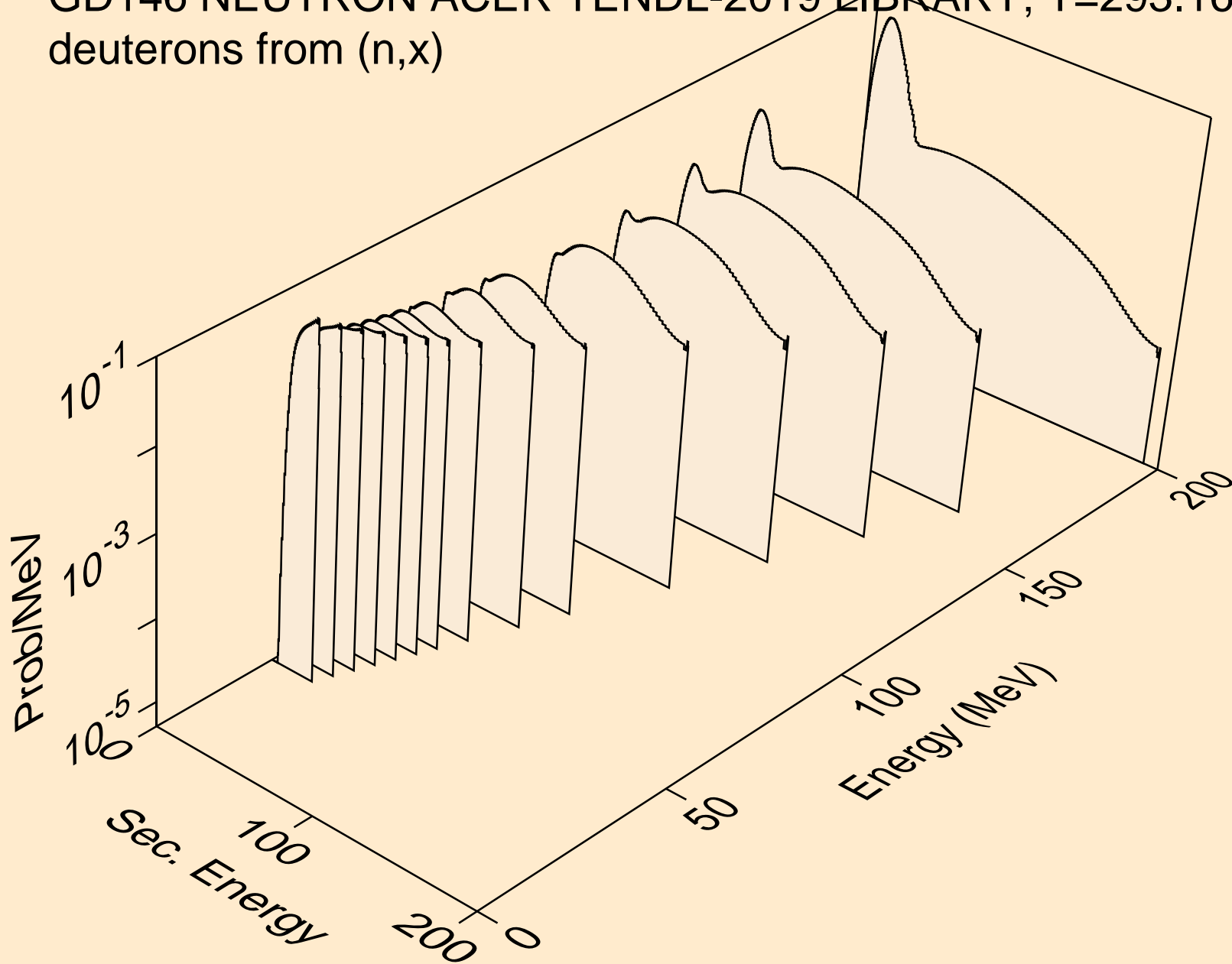
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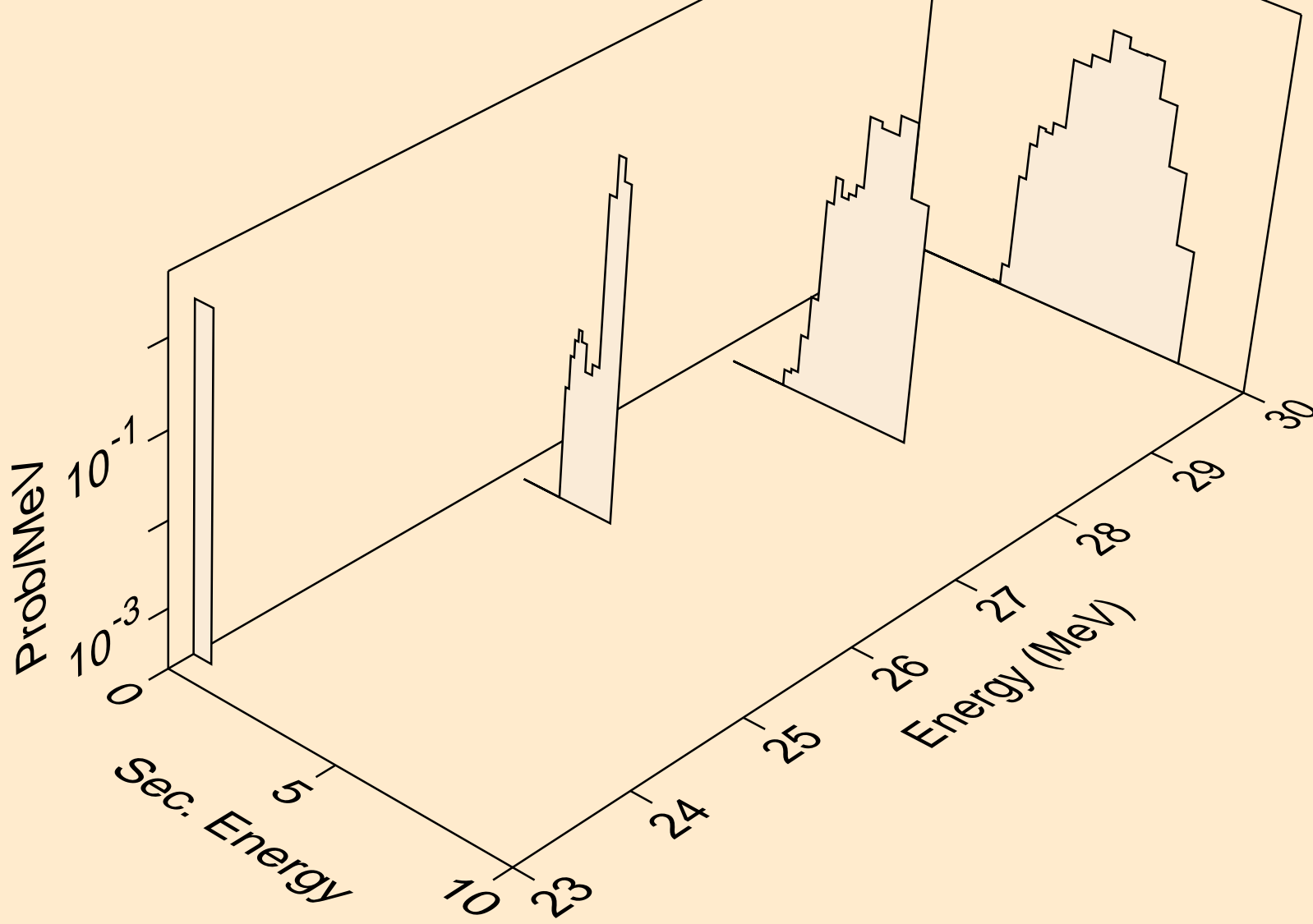
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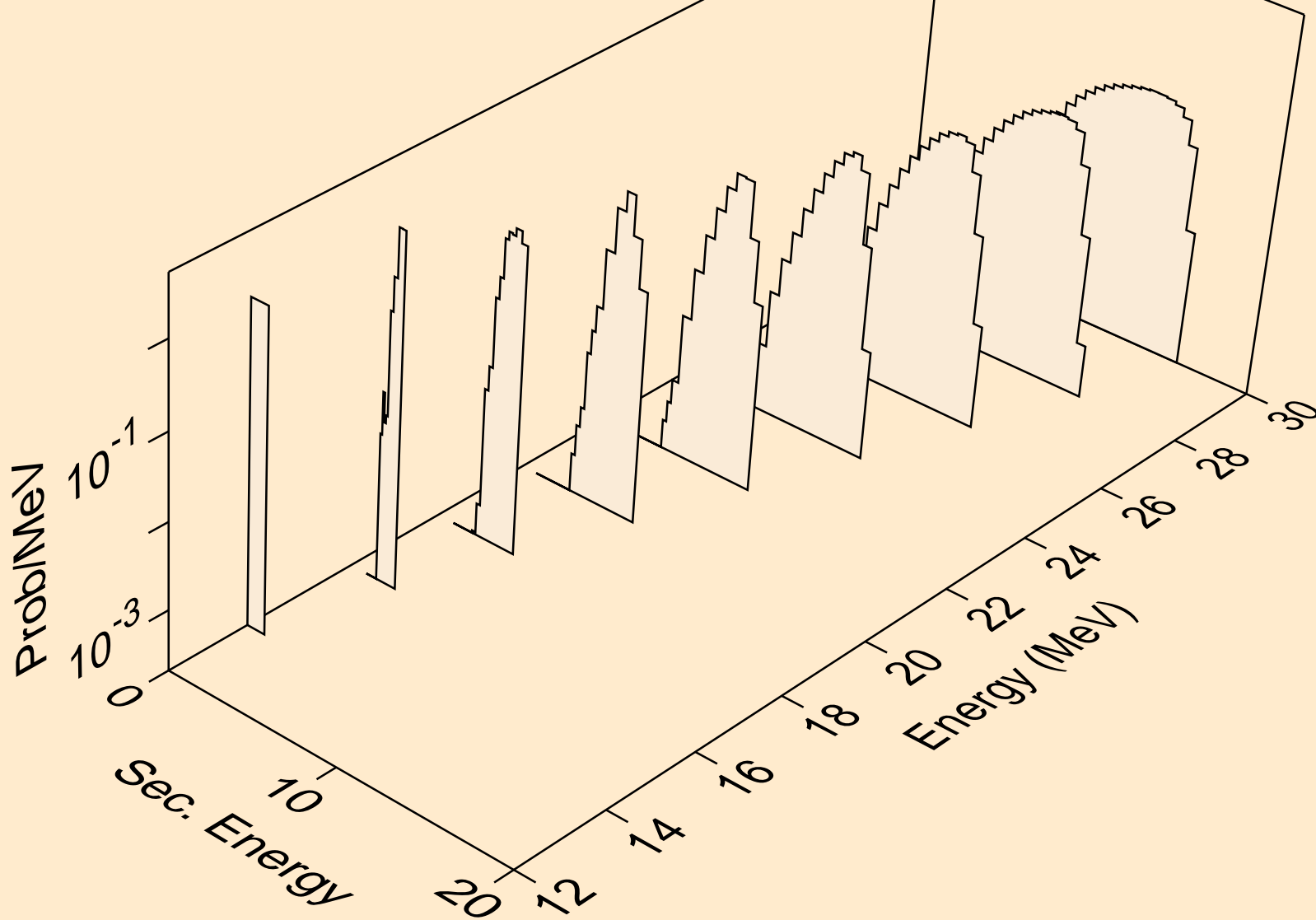
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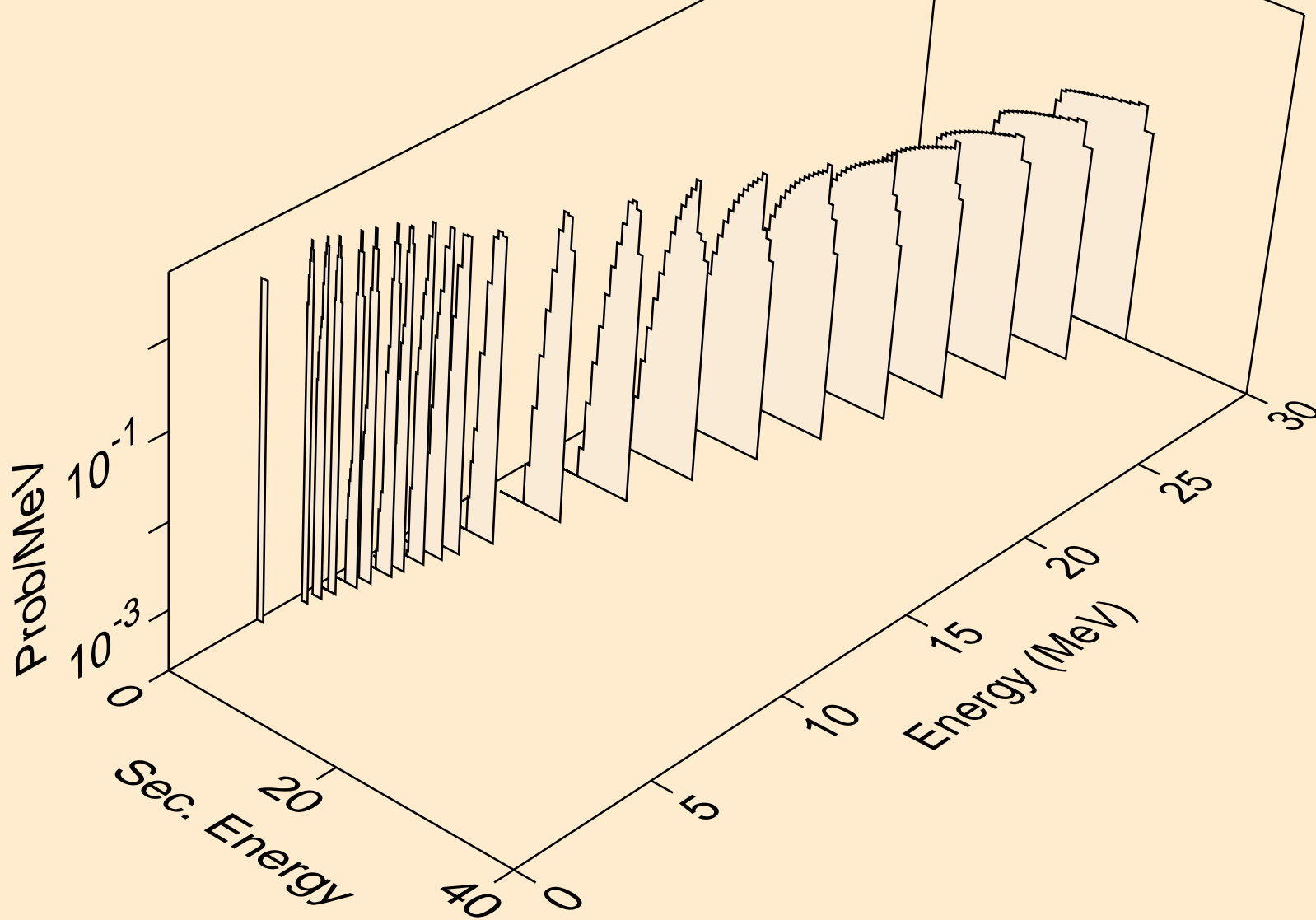
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GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d

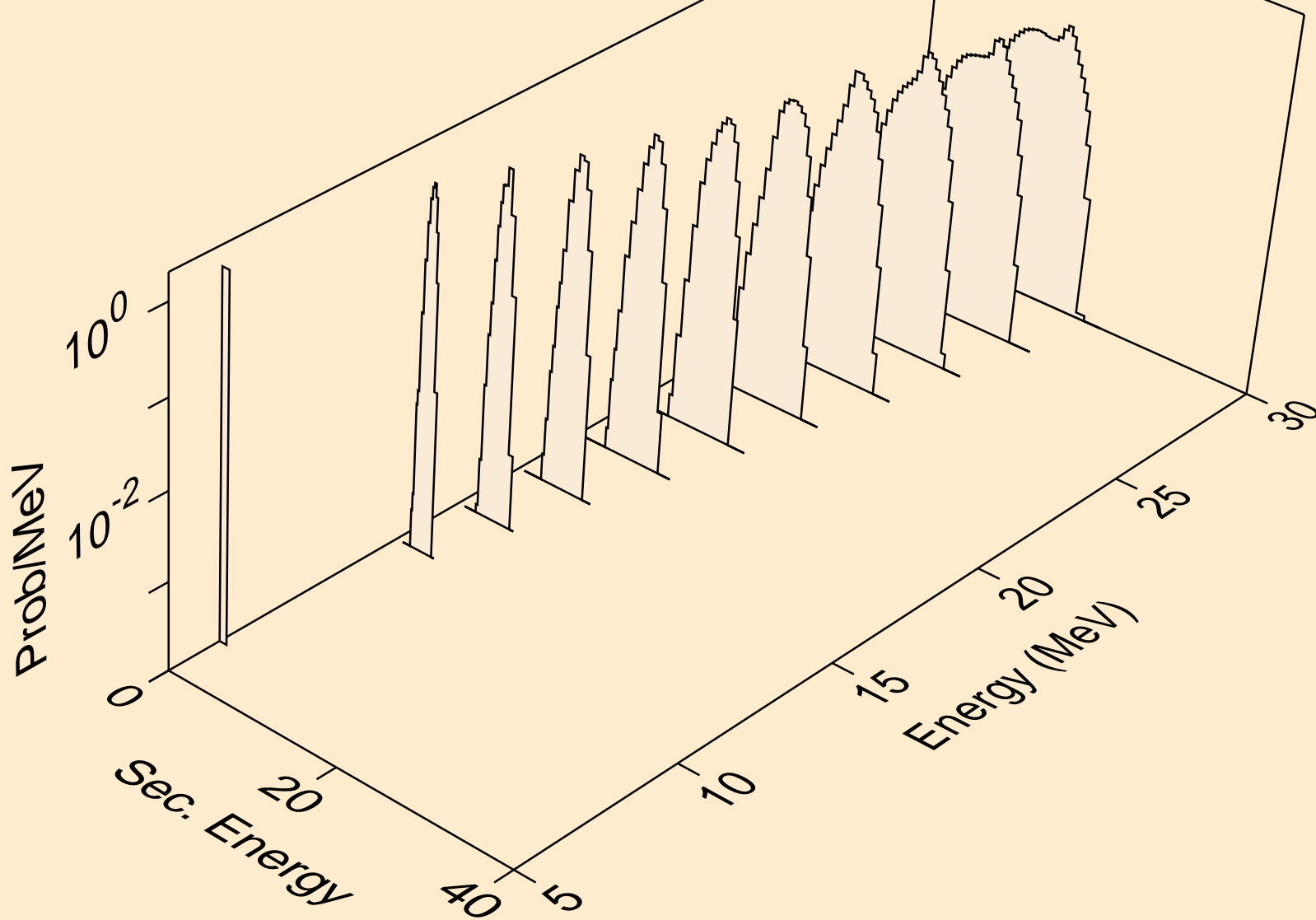


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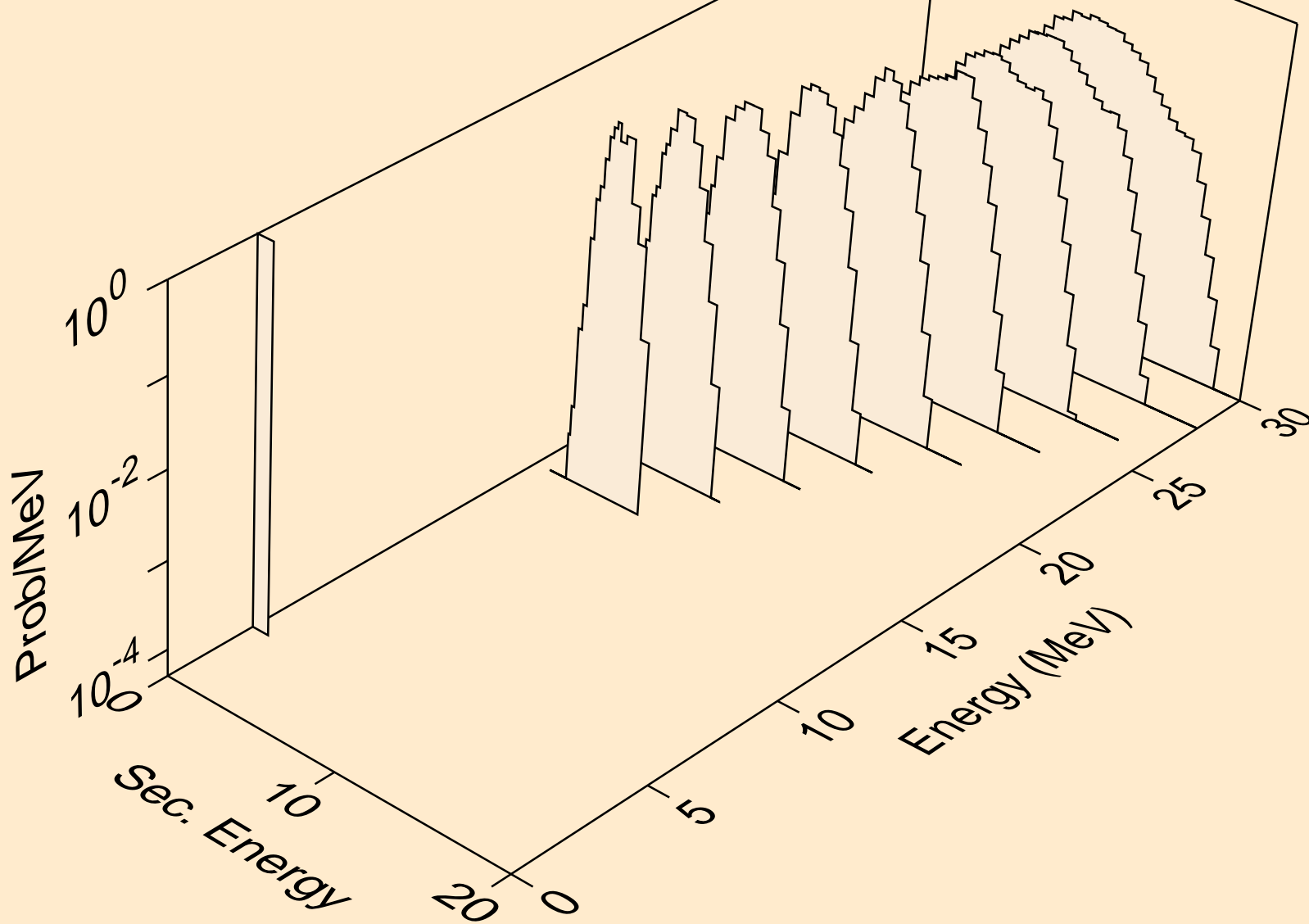




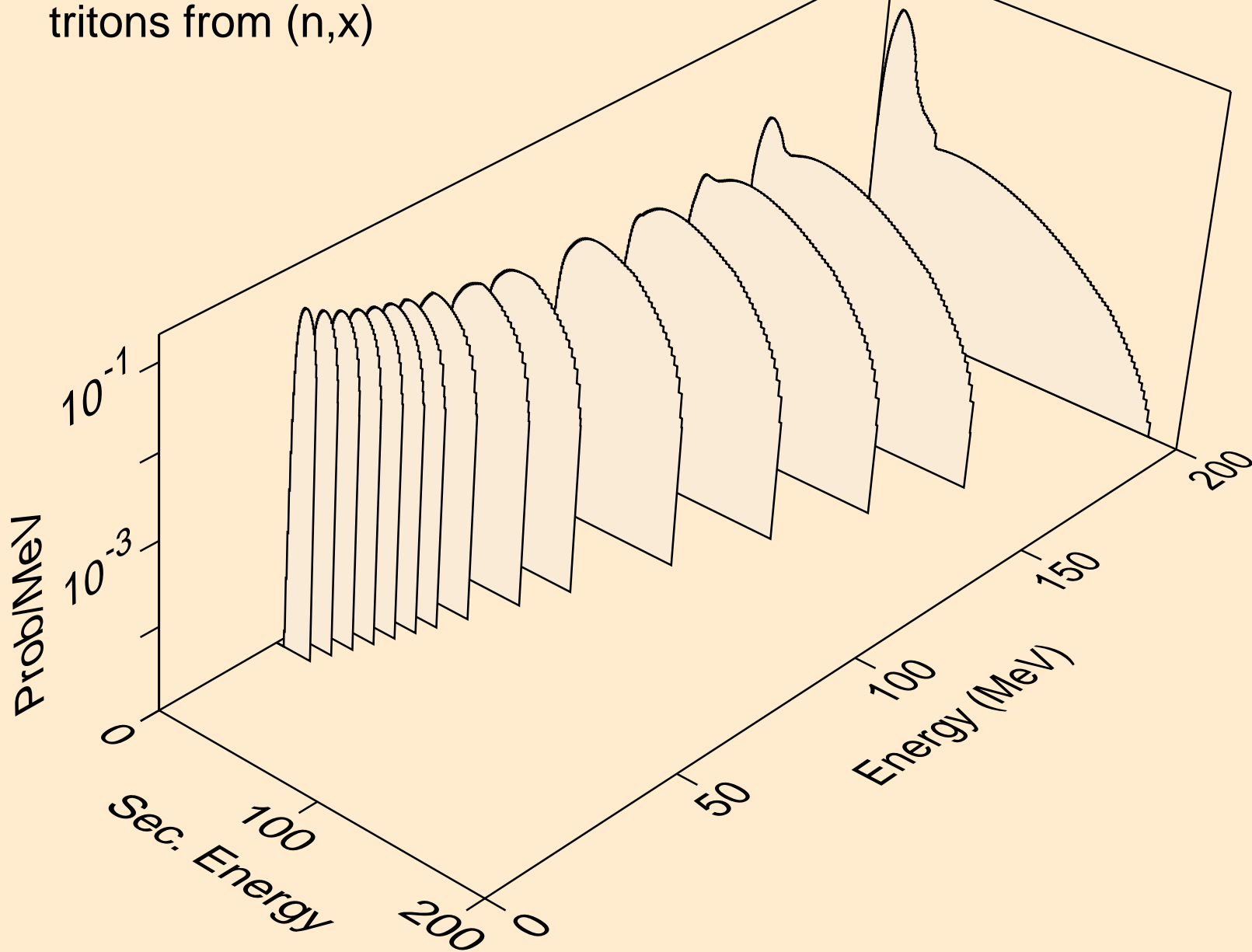
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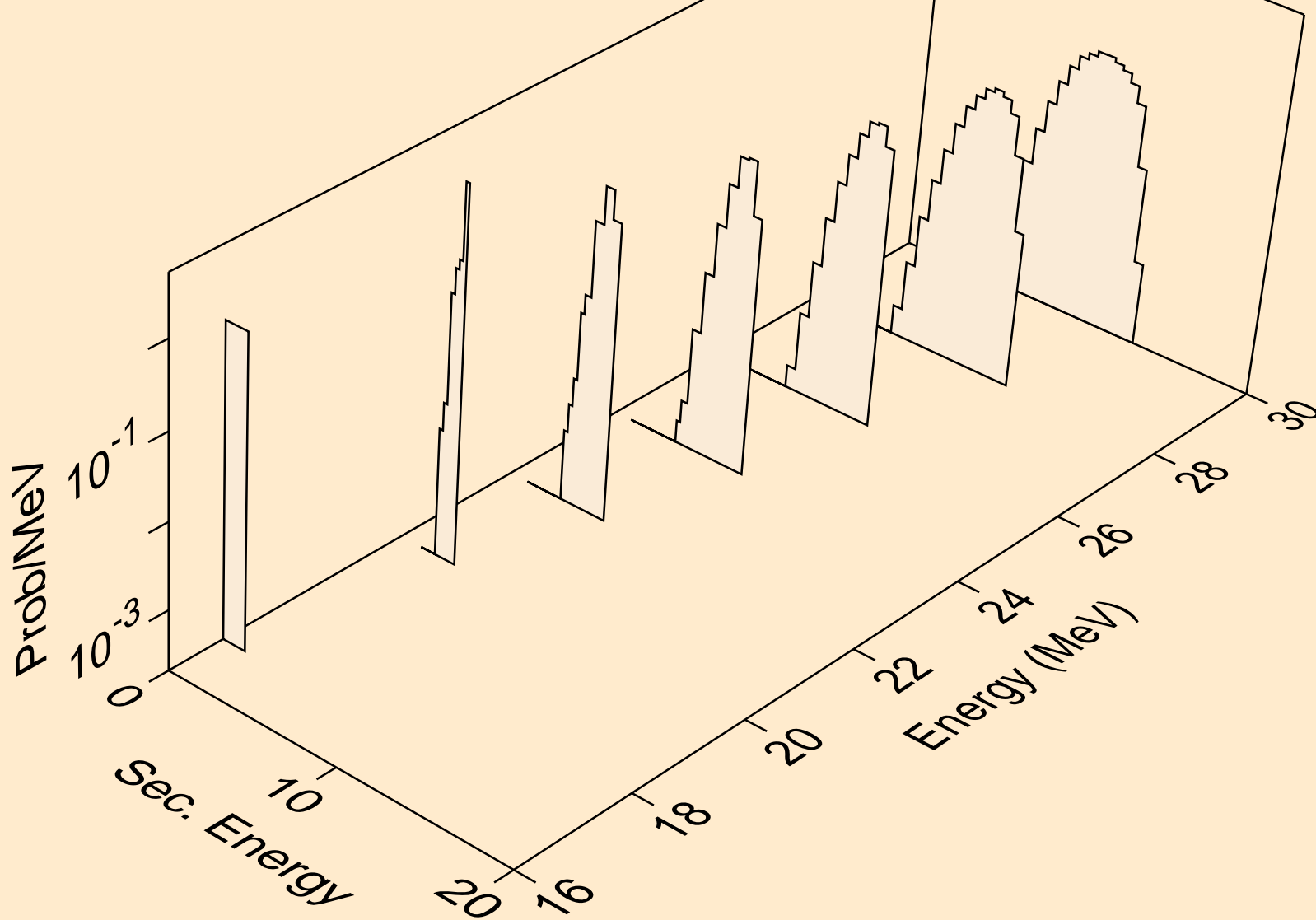
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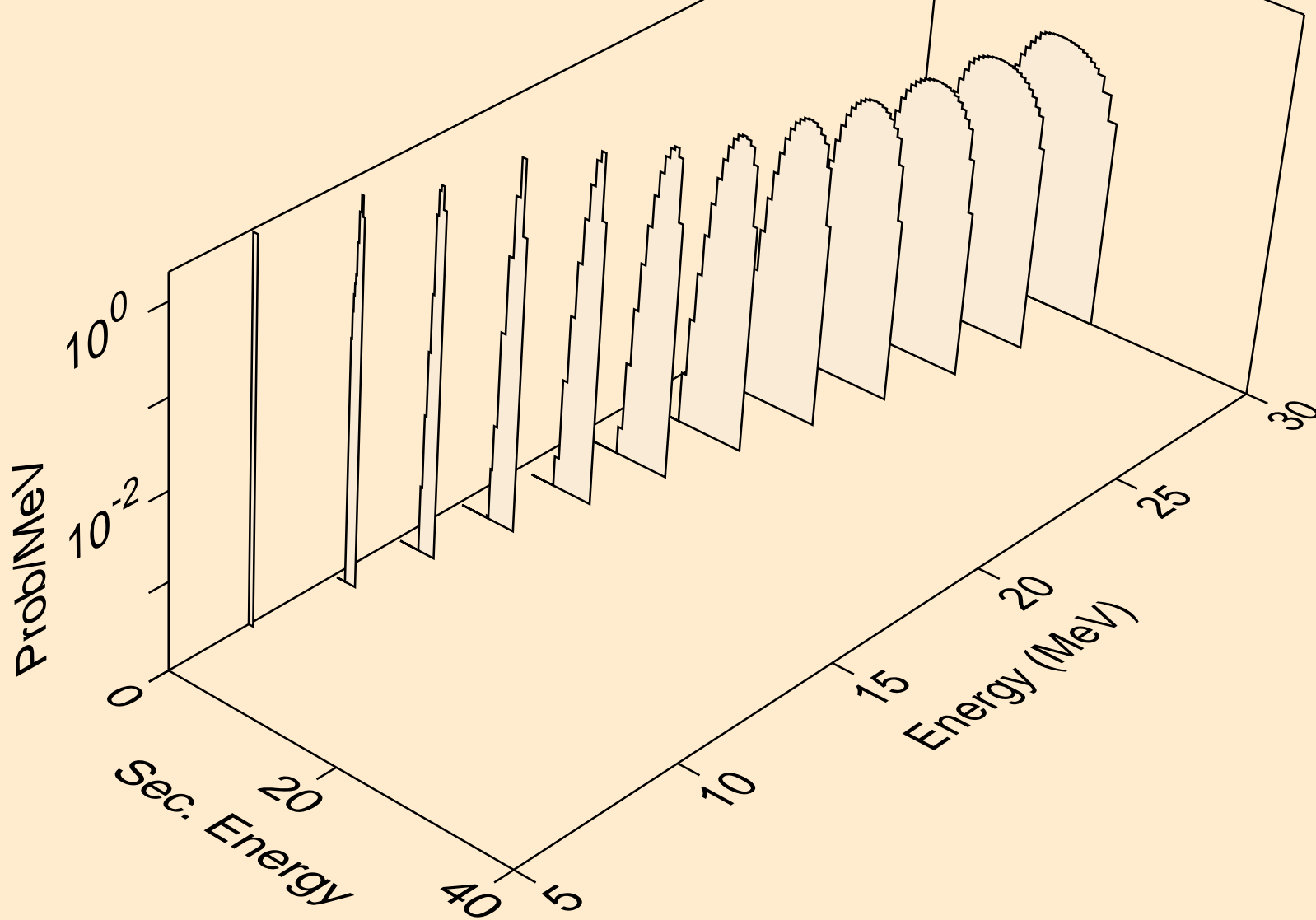
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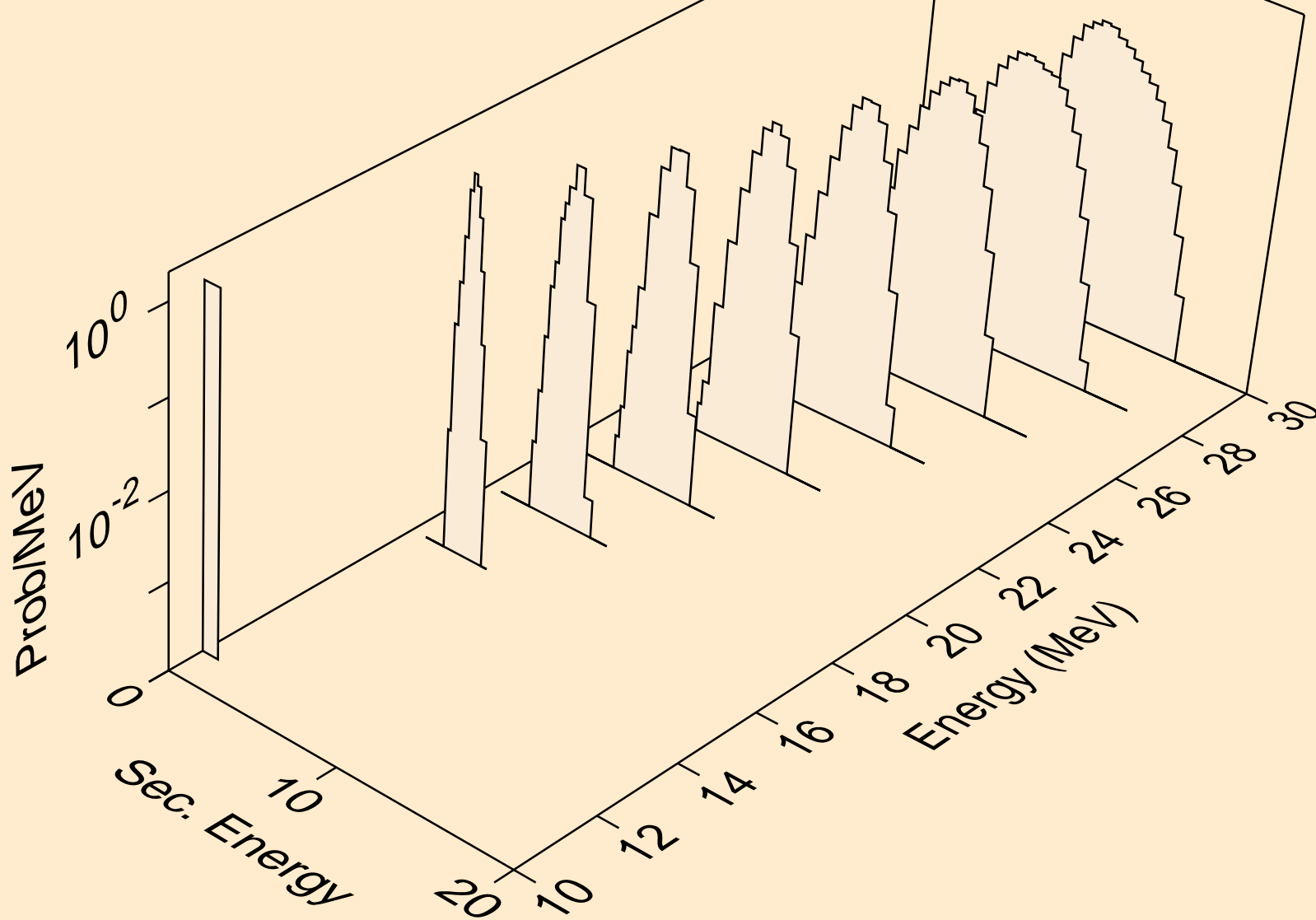
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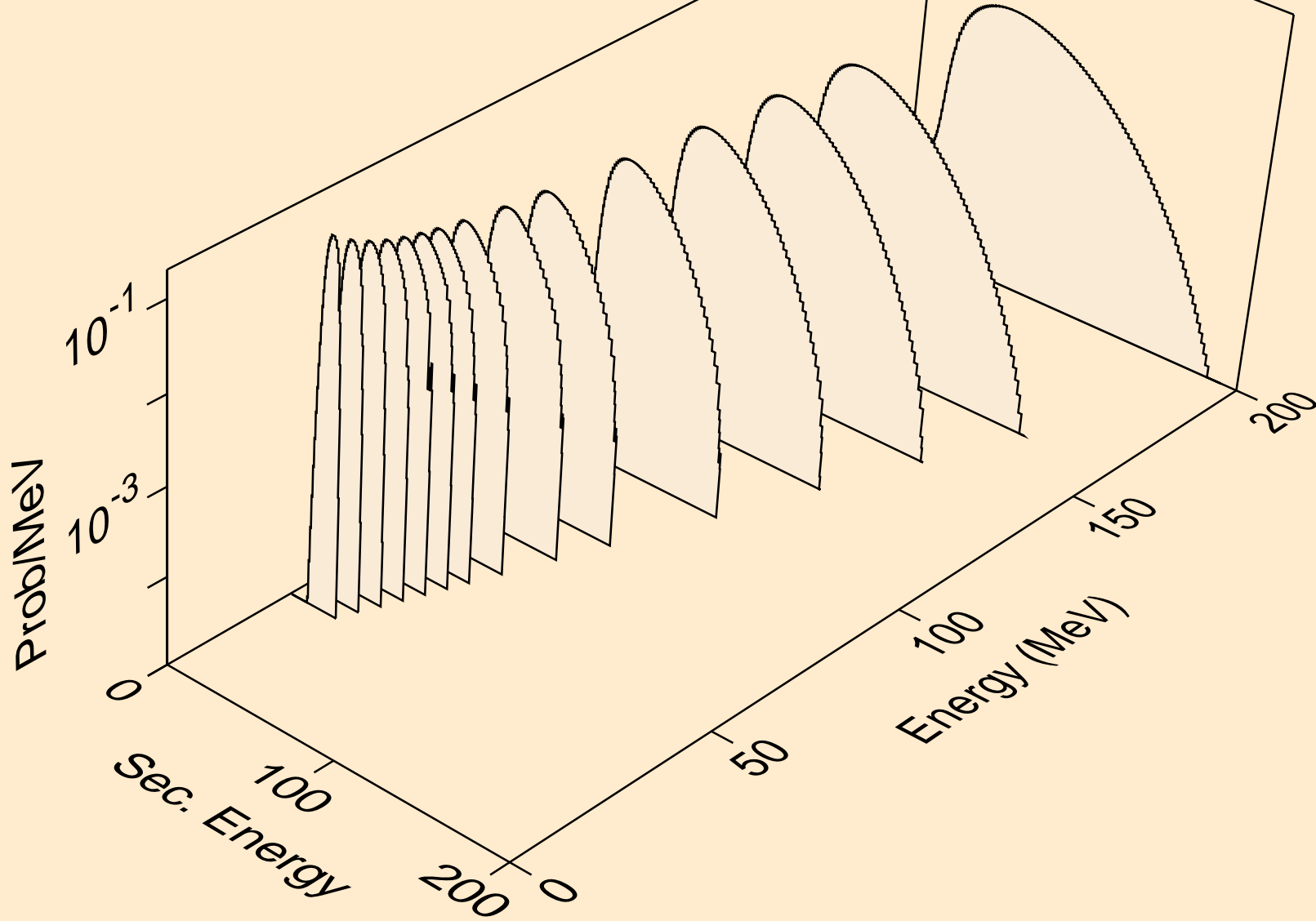
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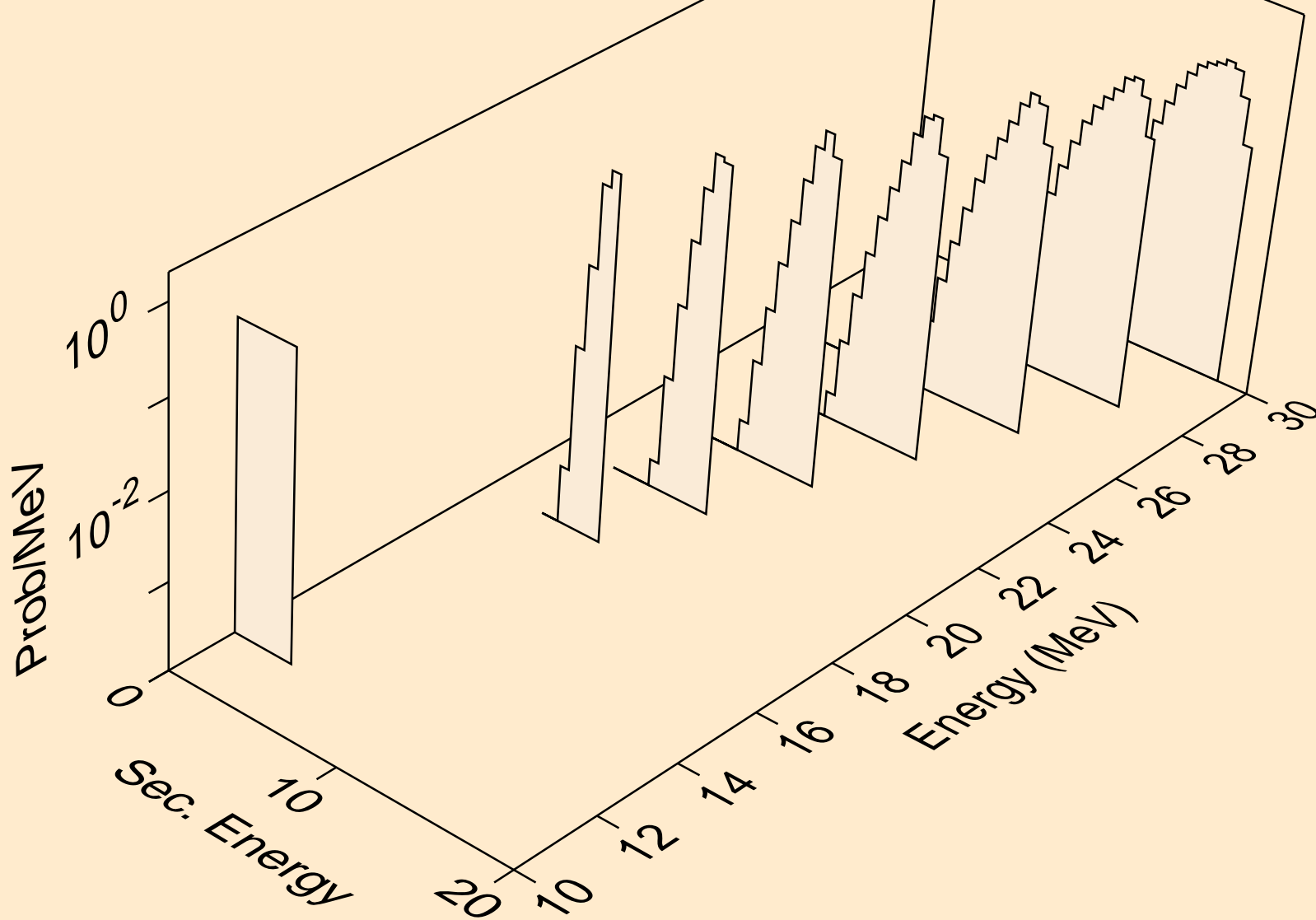
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,pt)



GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)

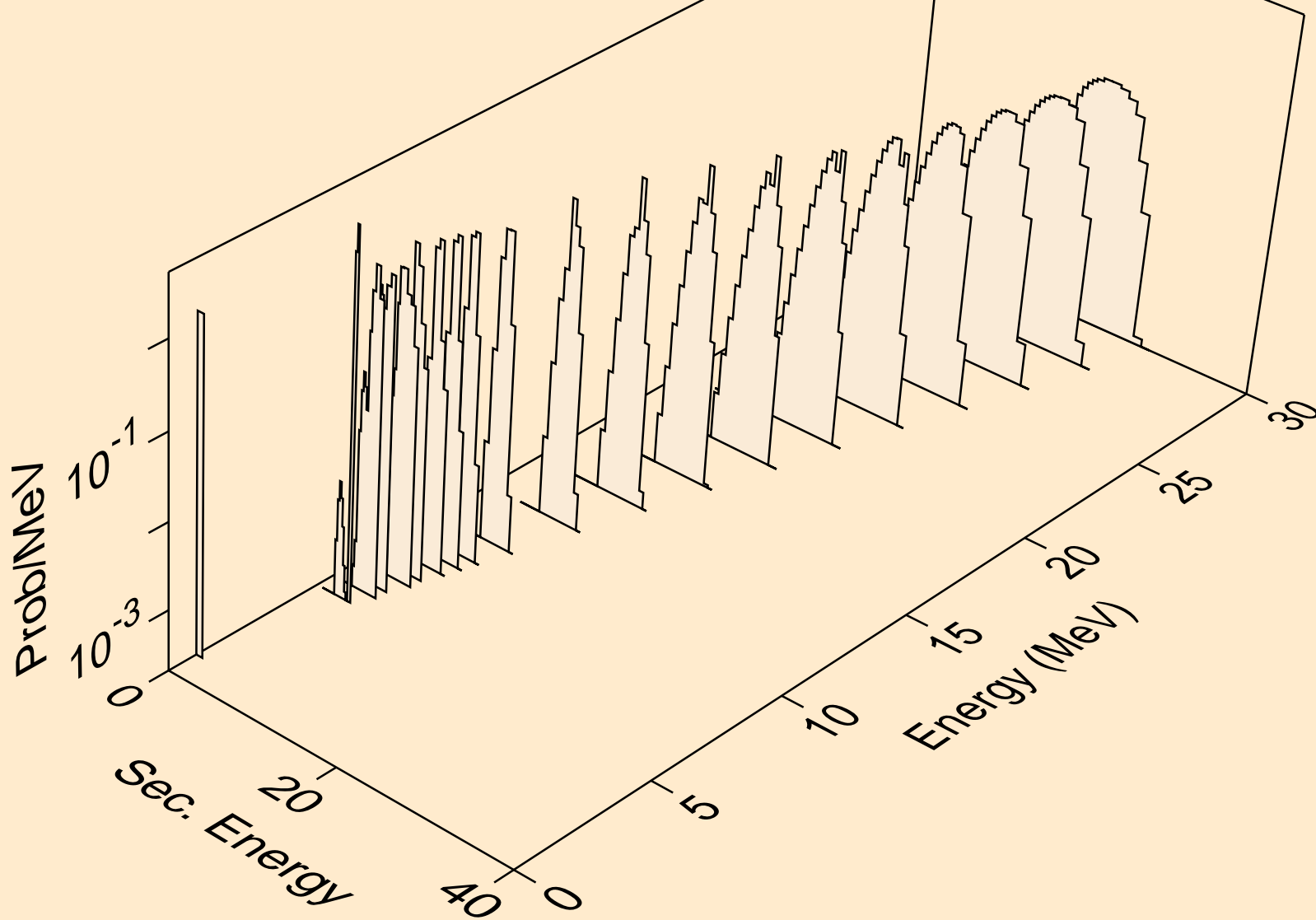


GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
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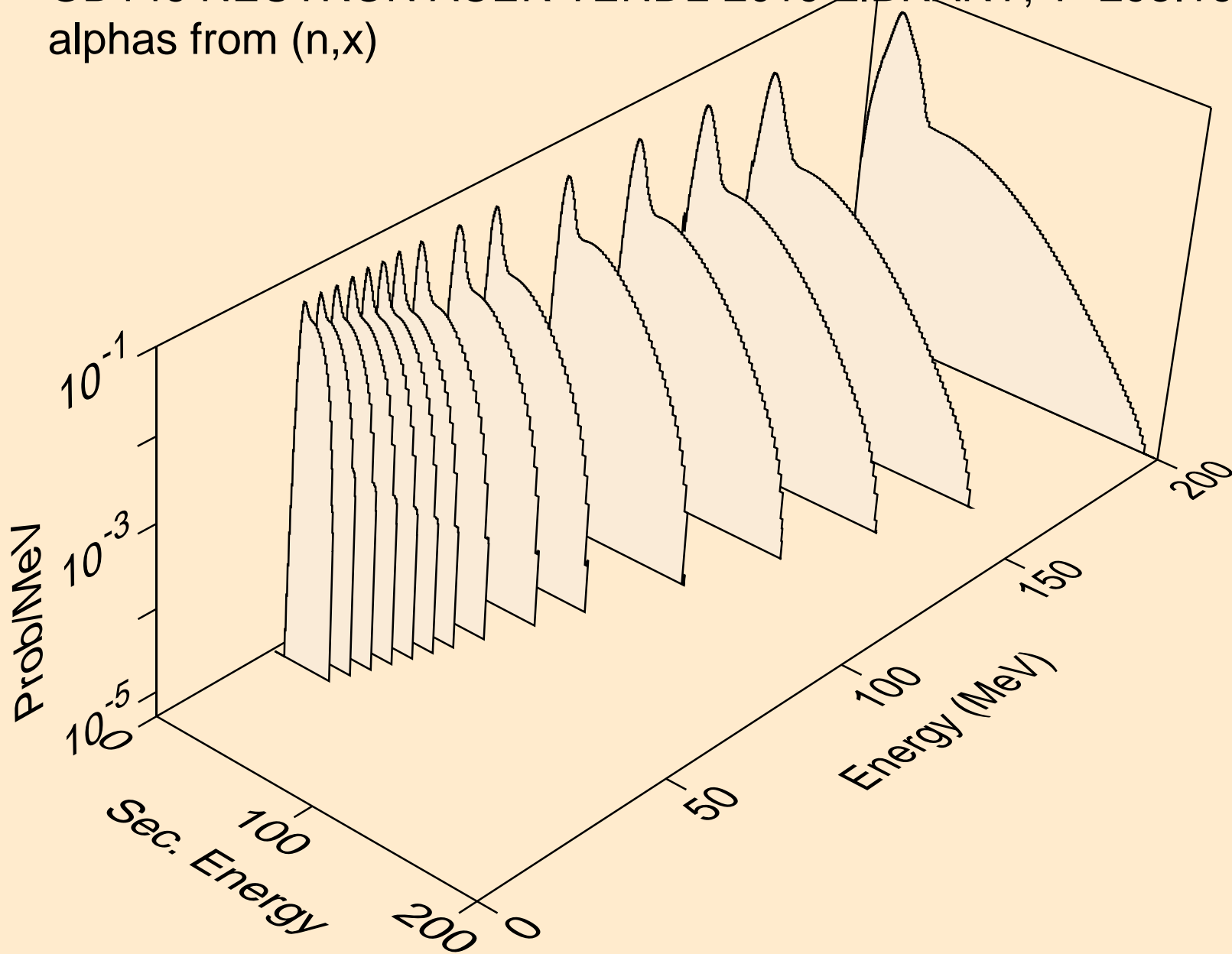




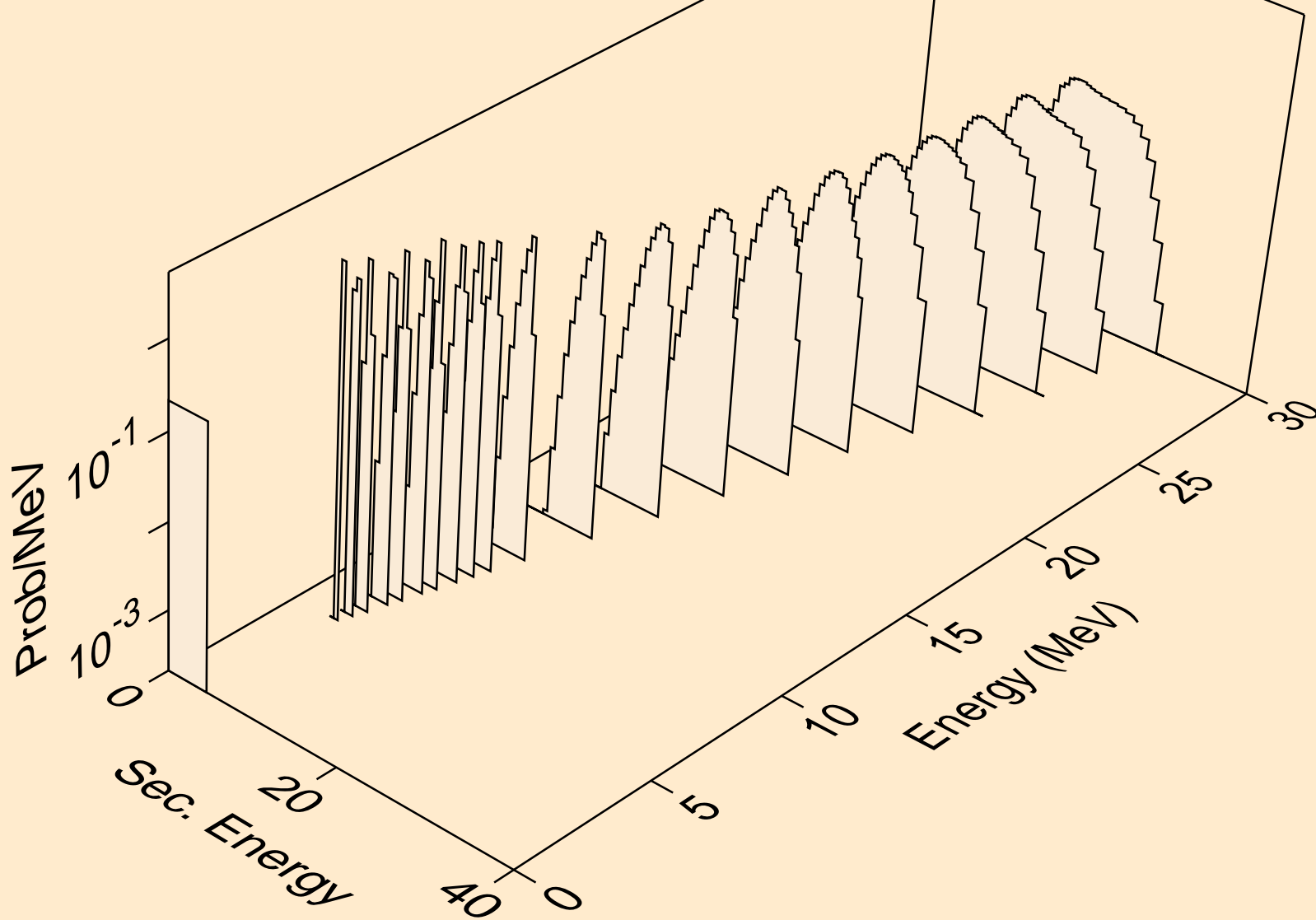
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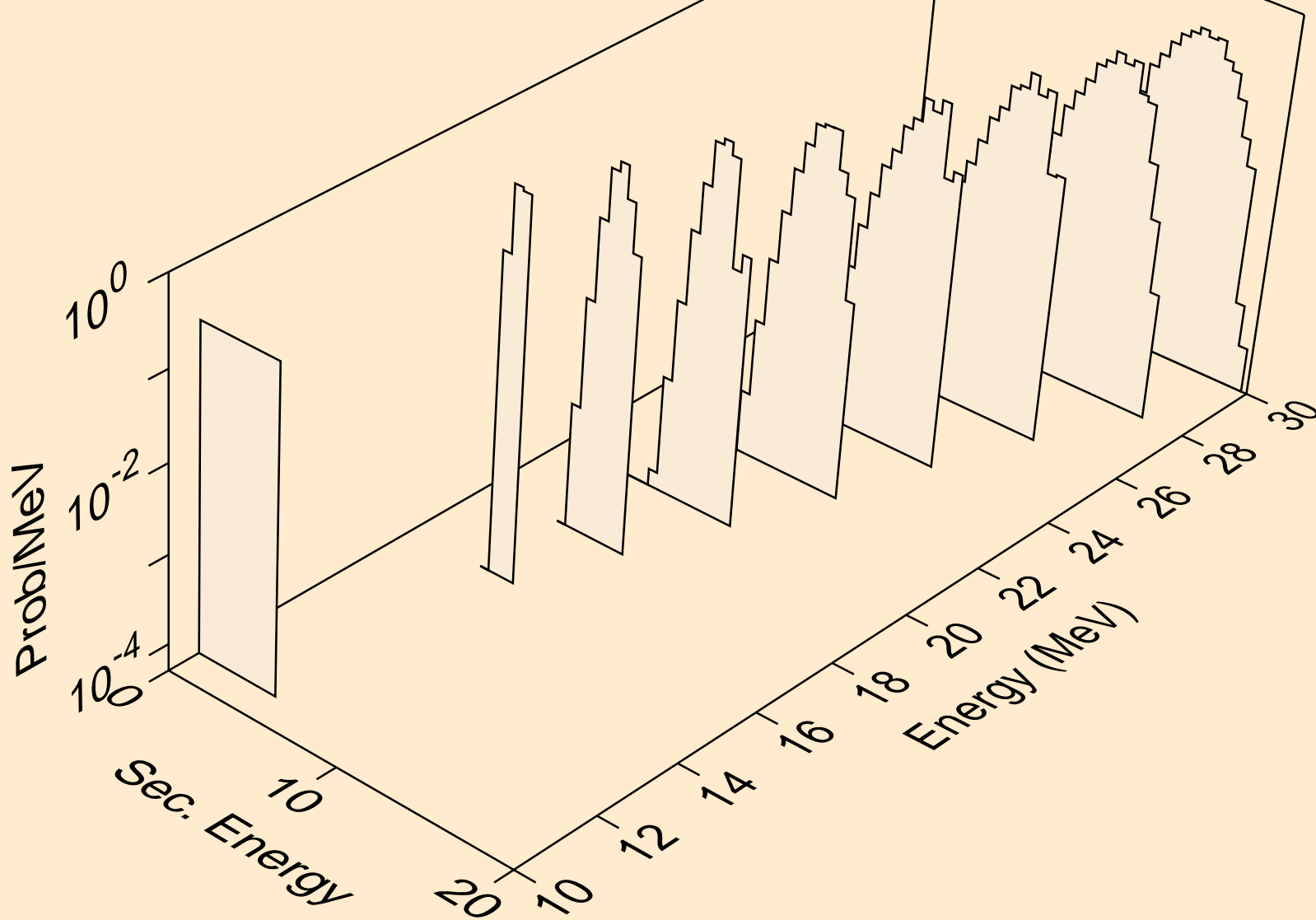
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alphas from (n,x)



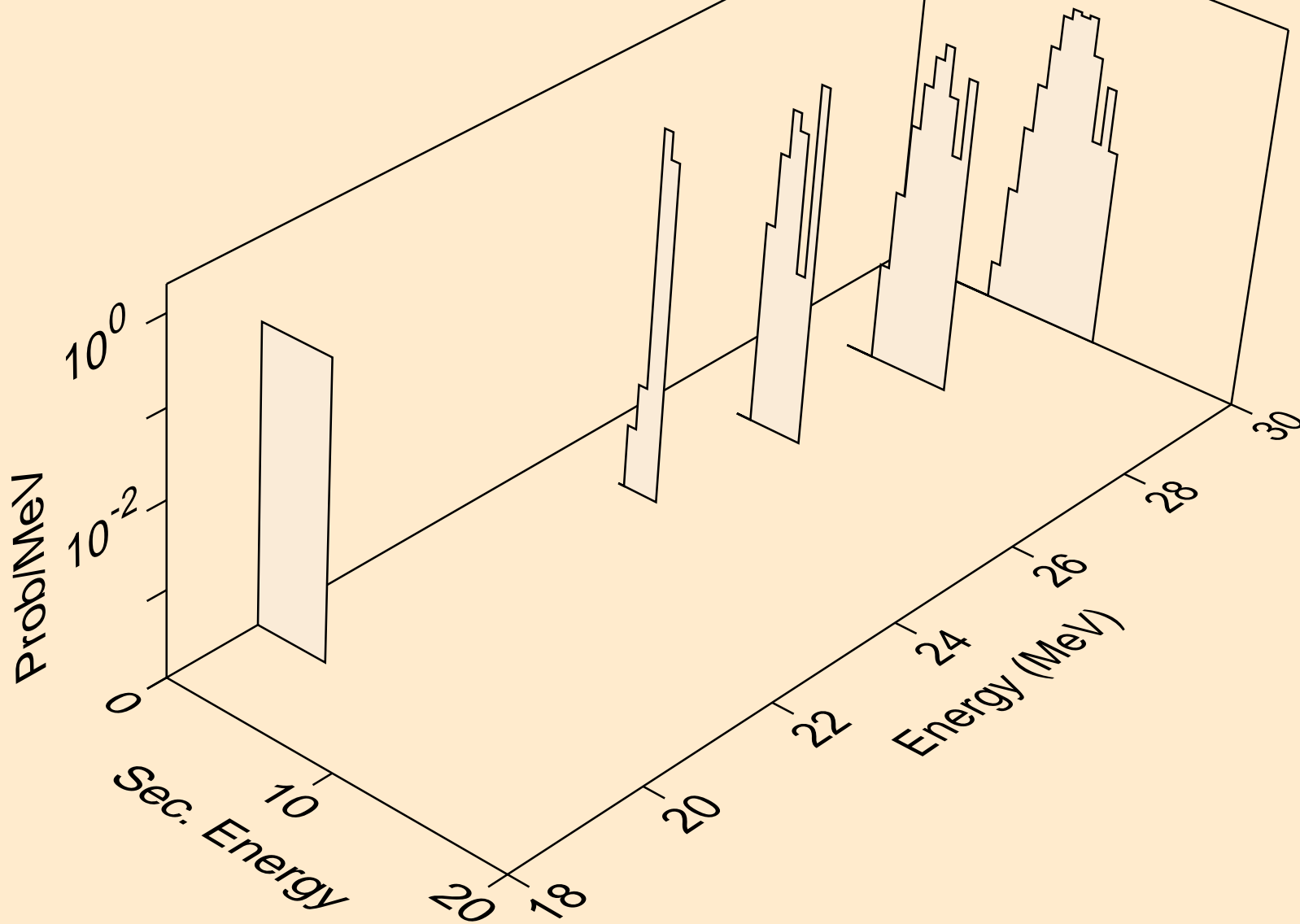
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



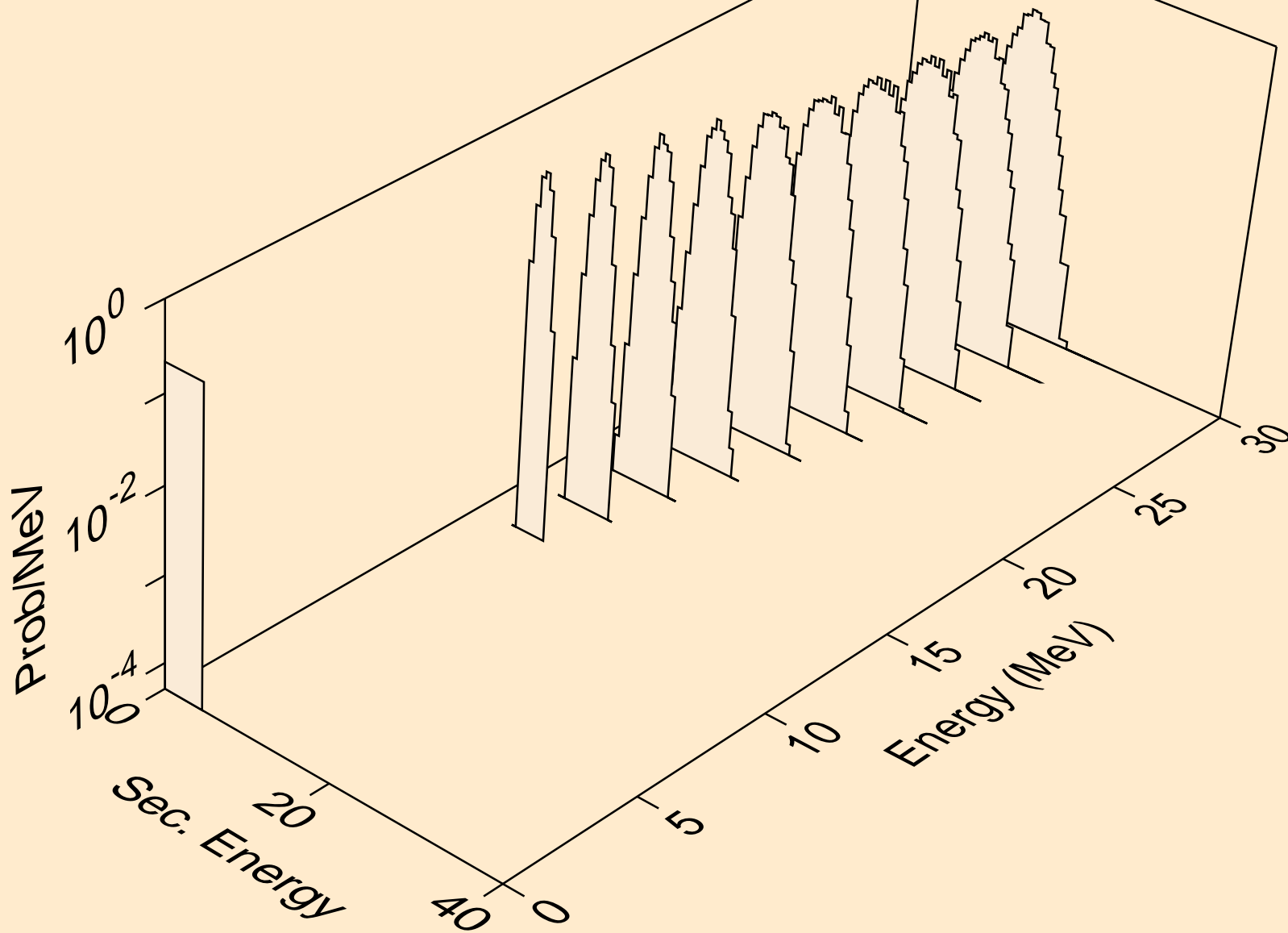
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



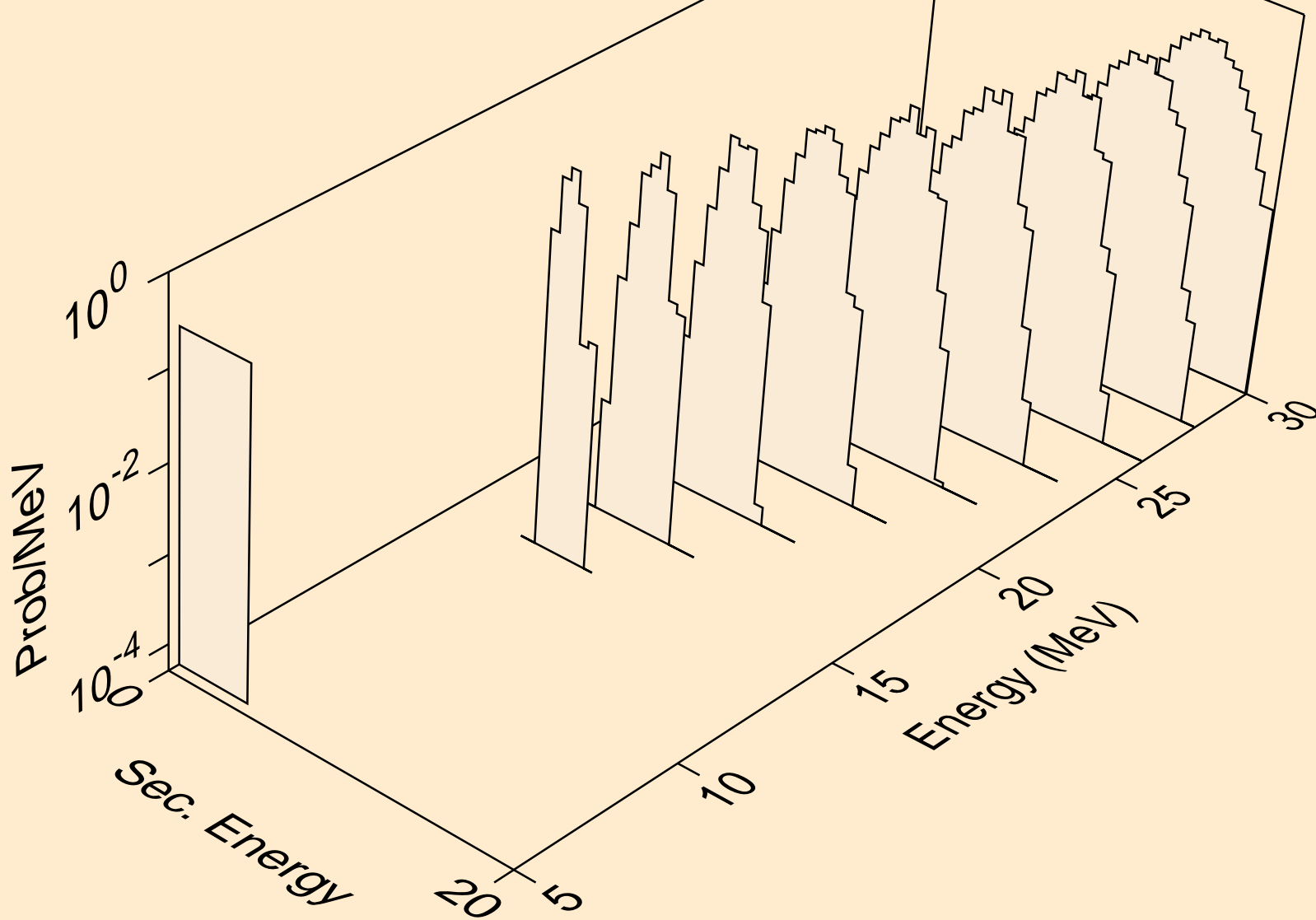
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



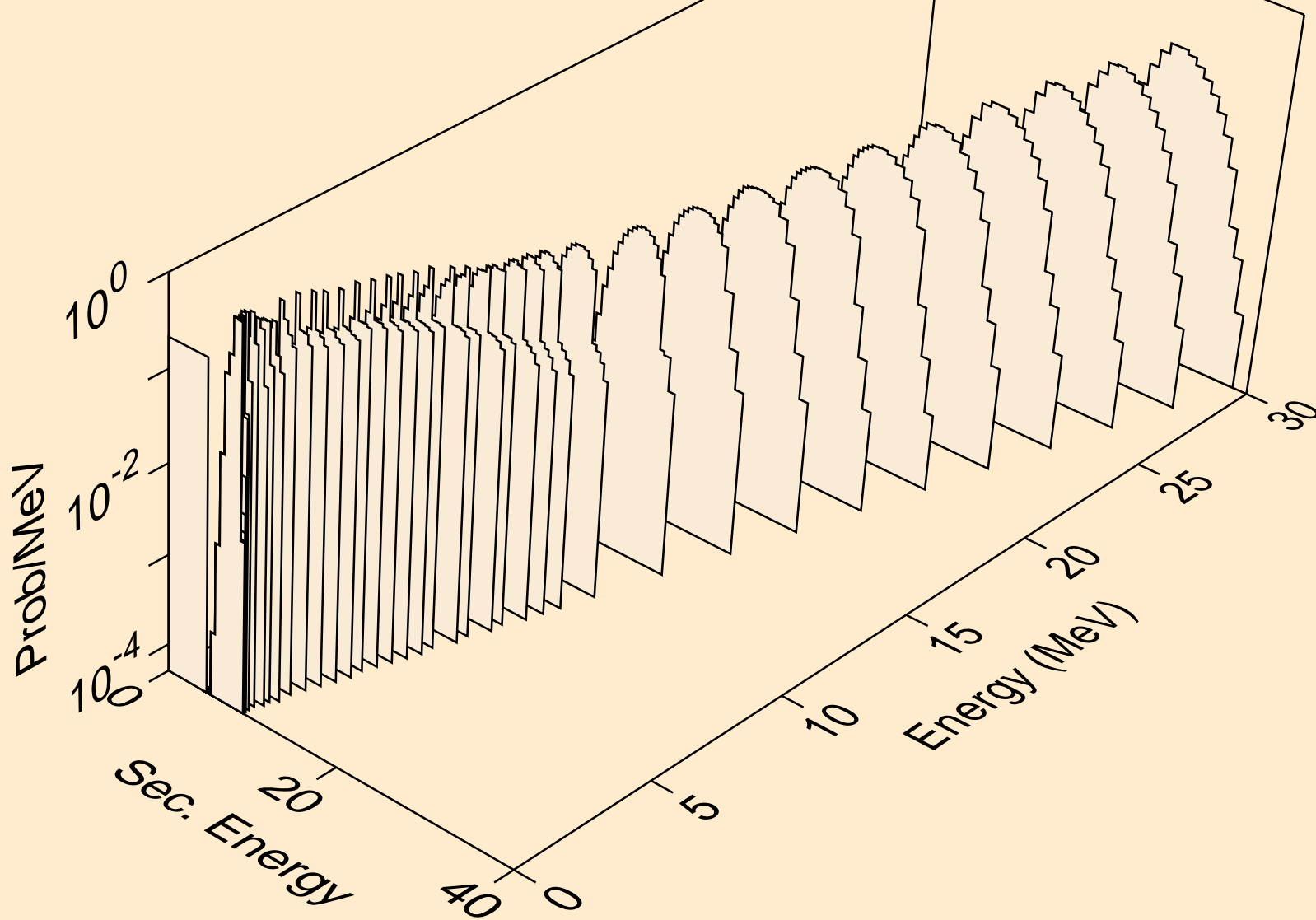
GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a



GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)

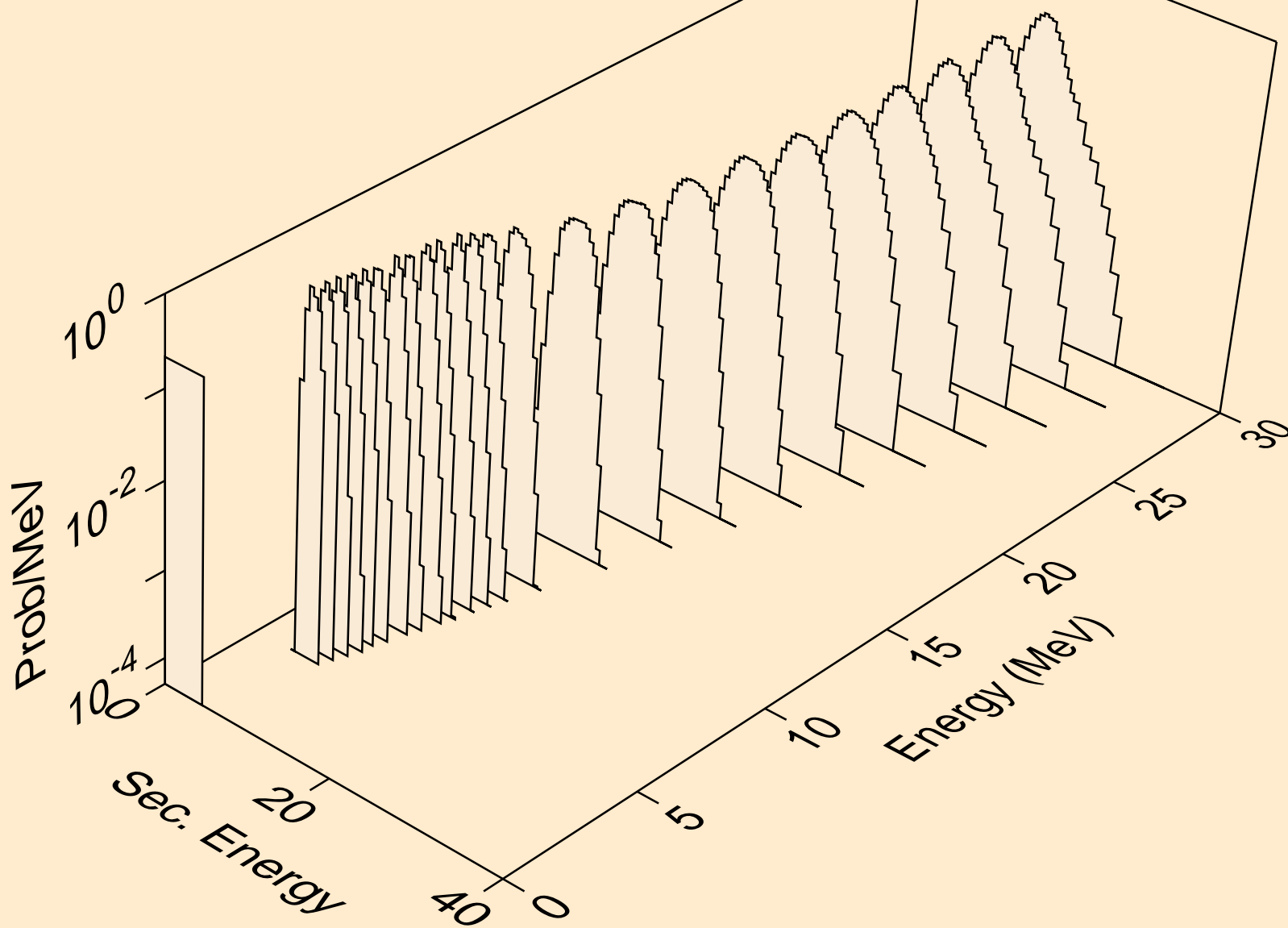


GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)

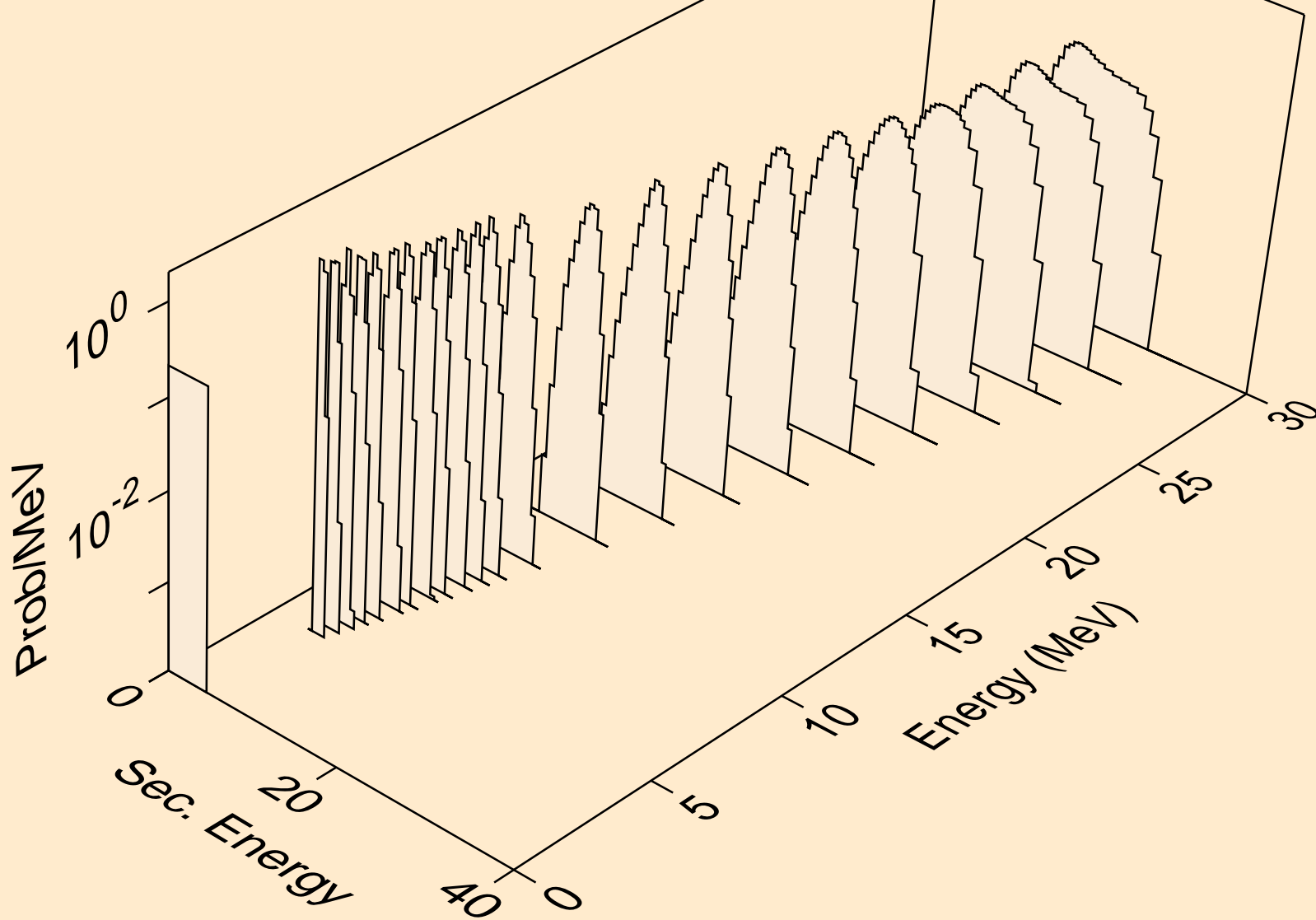




GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)



GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



GD146 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

