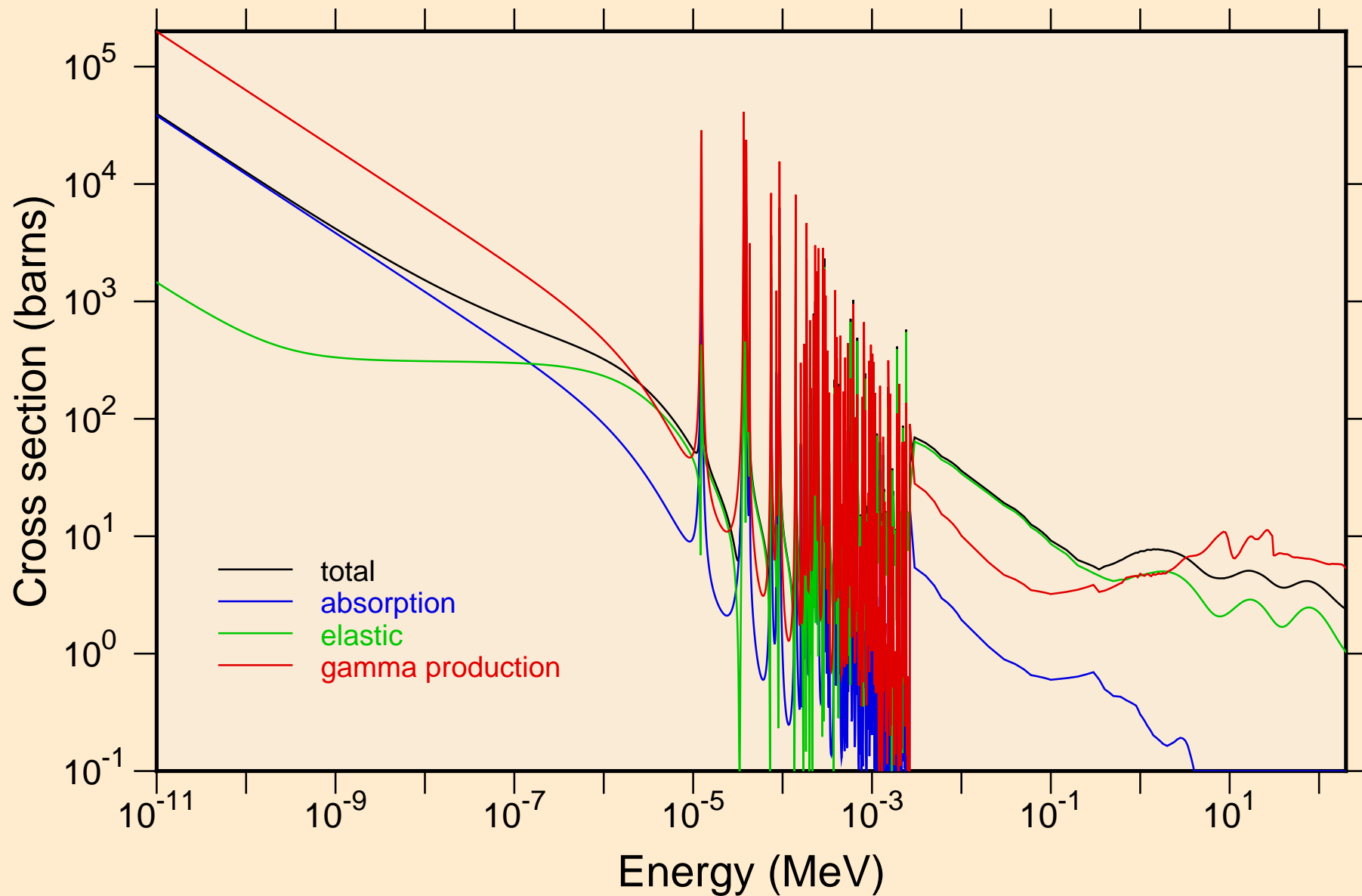
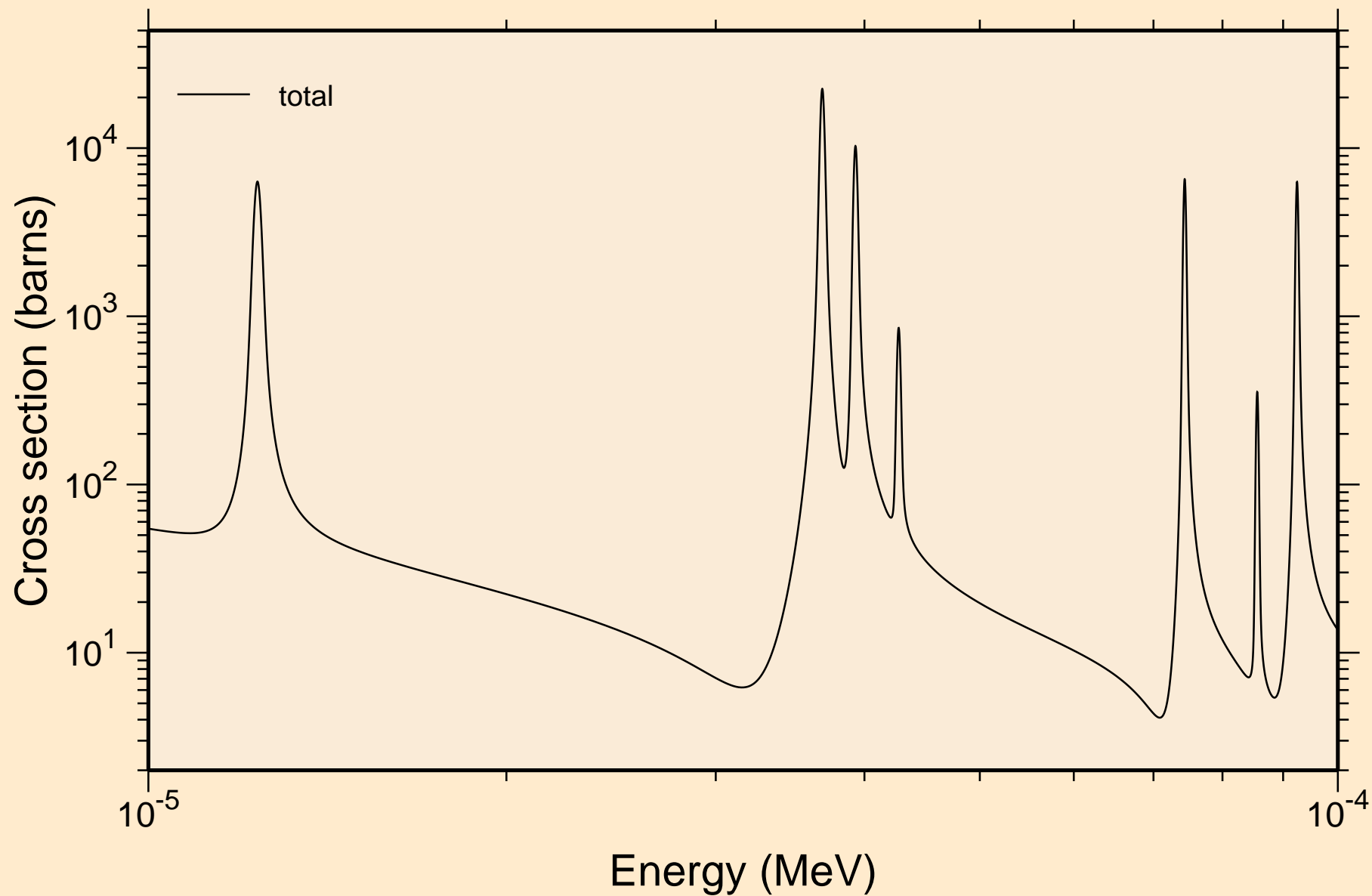


# GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

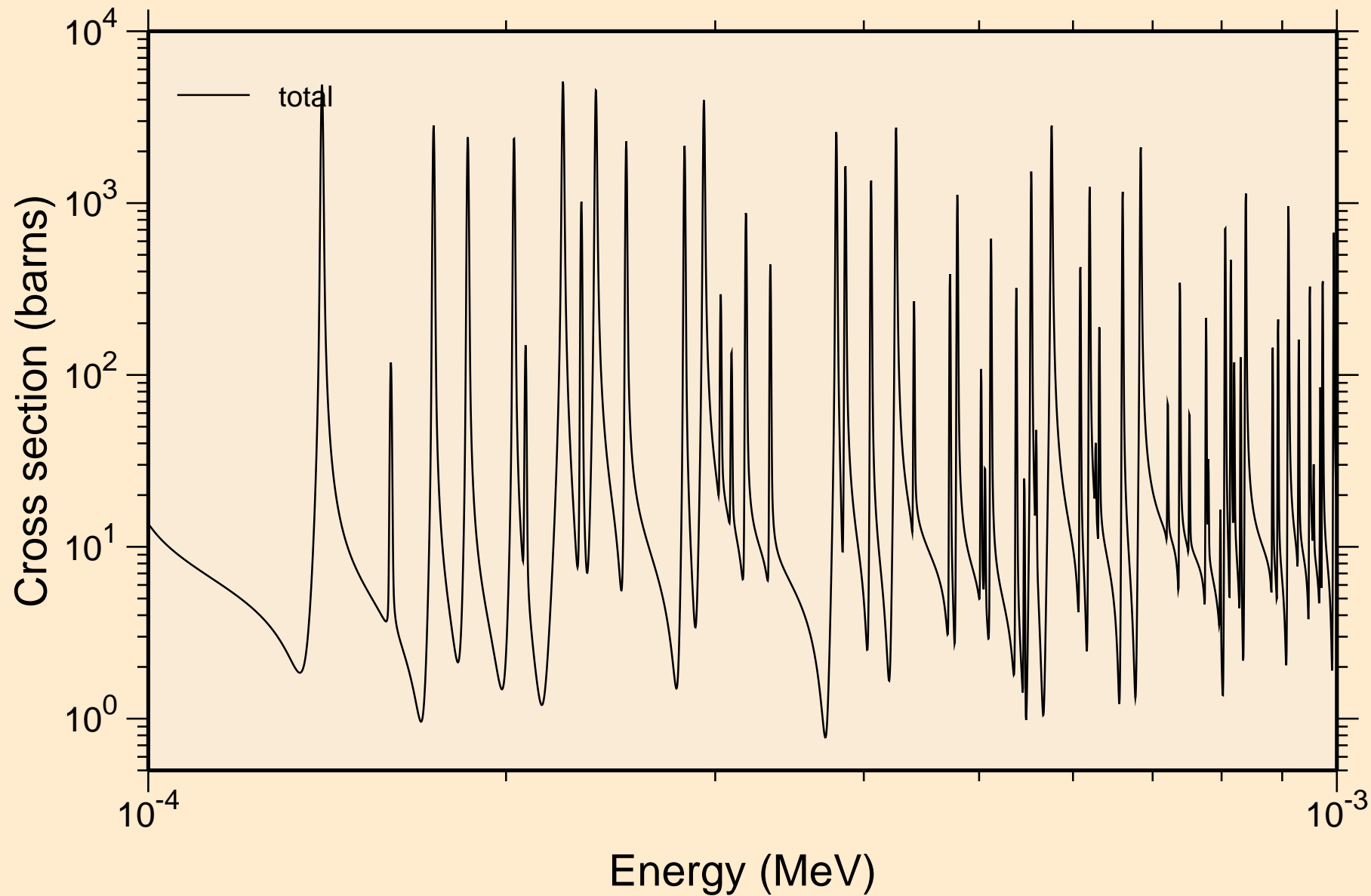
## Principal cross sections



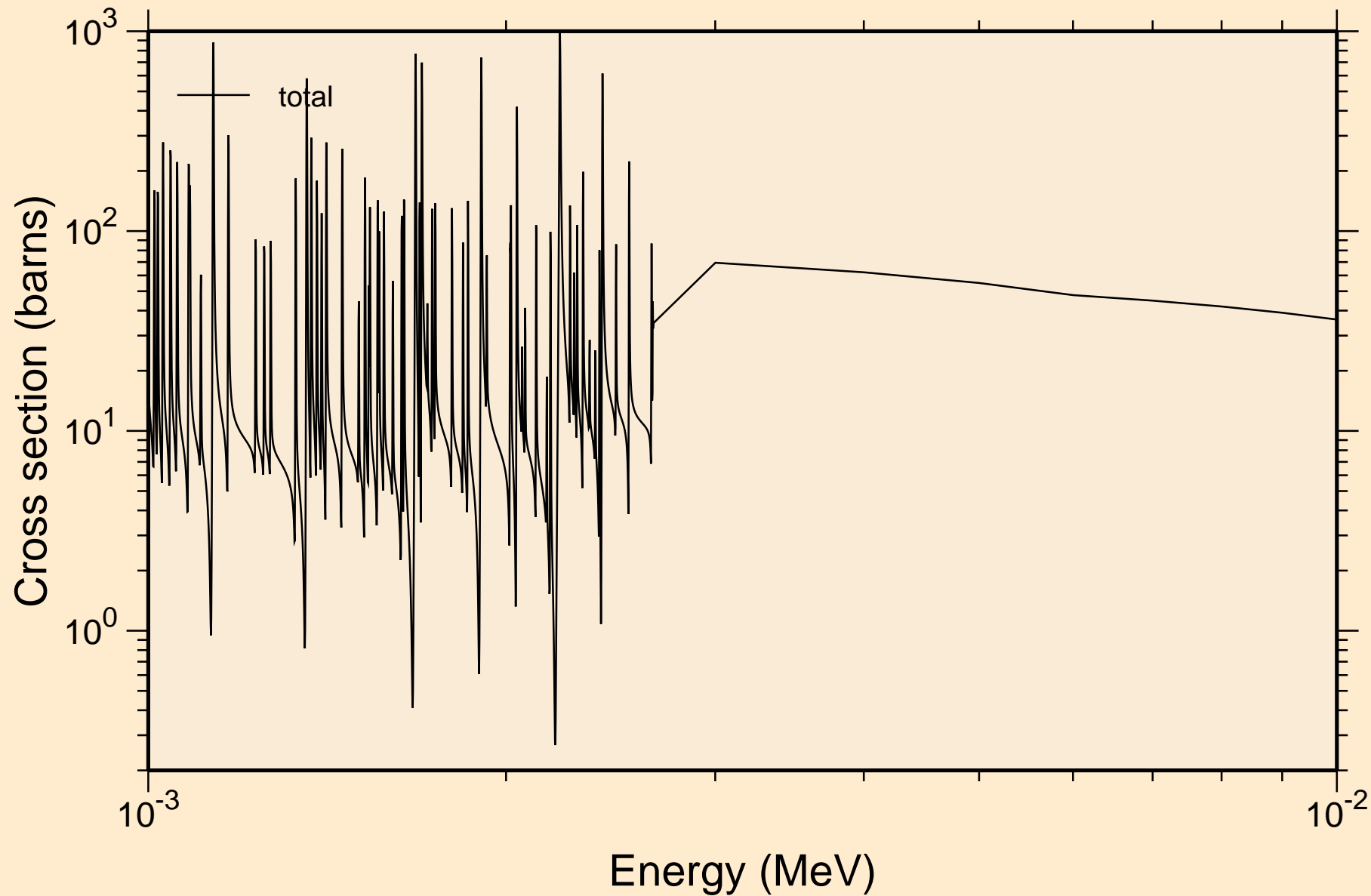
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



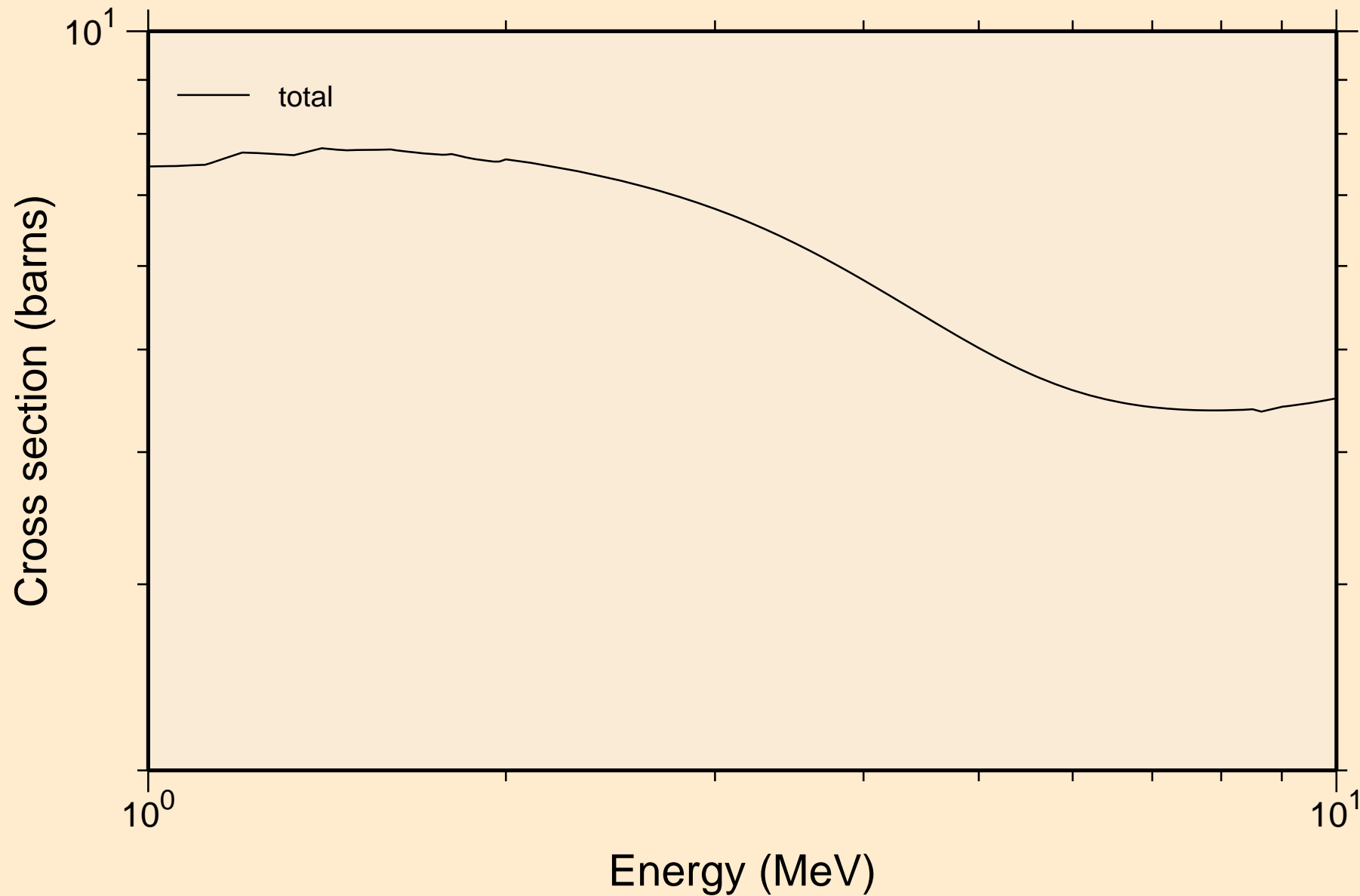
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



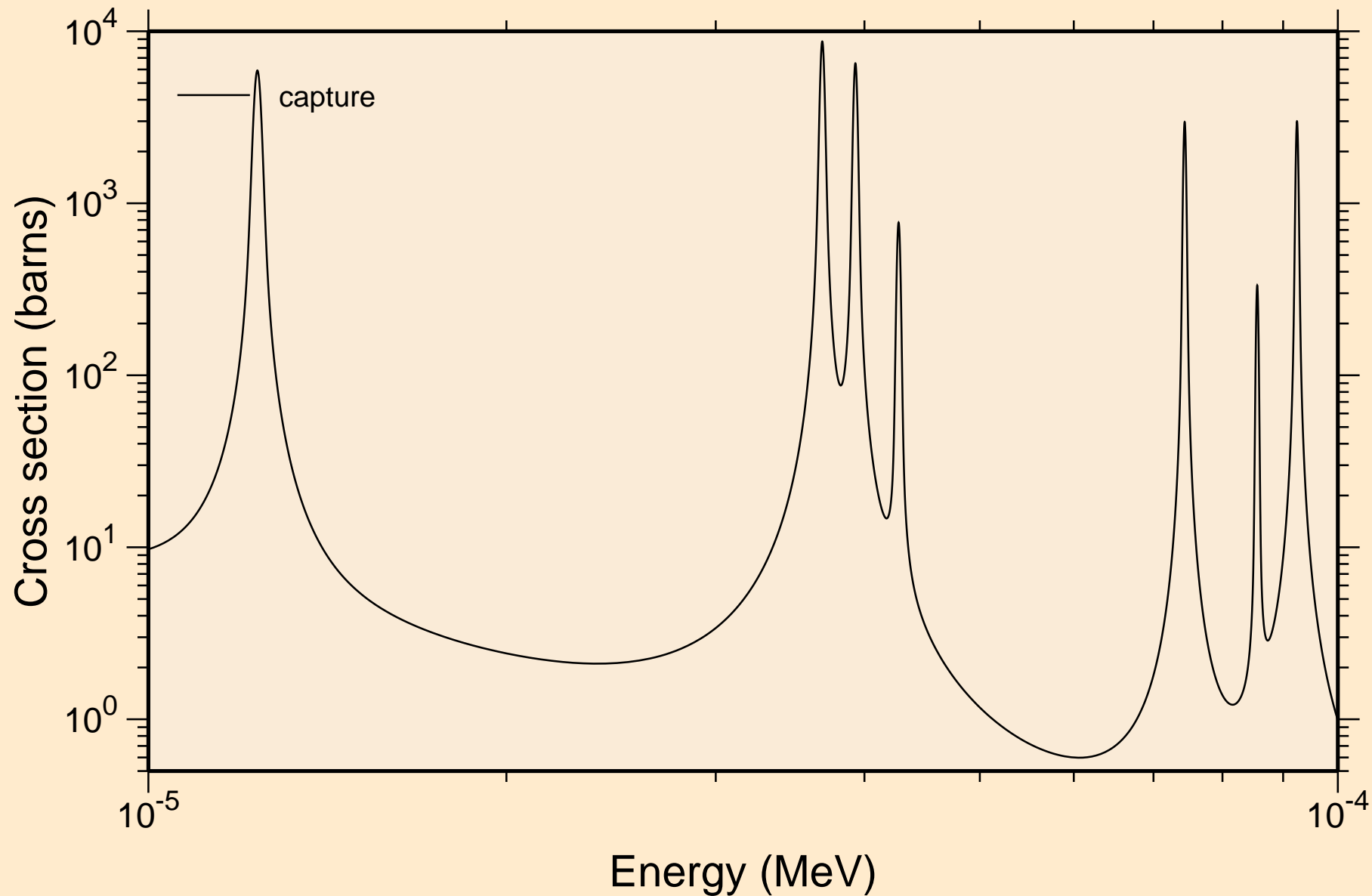
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



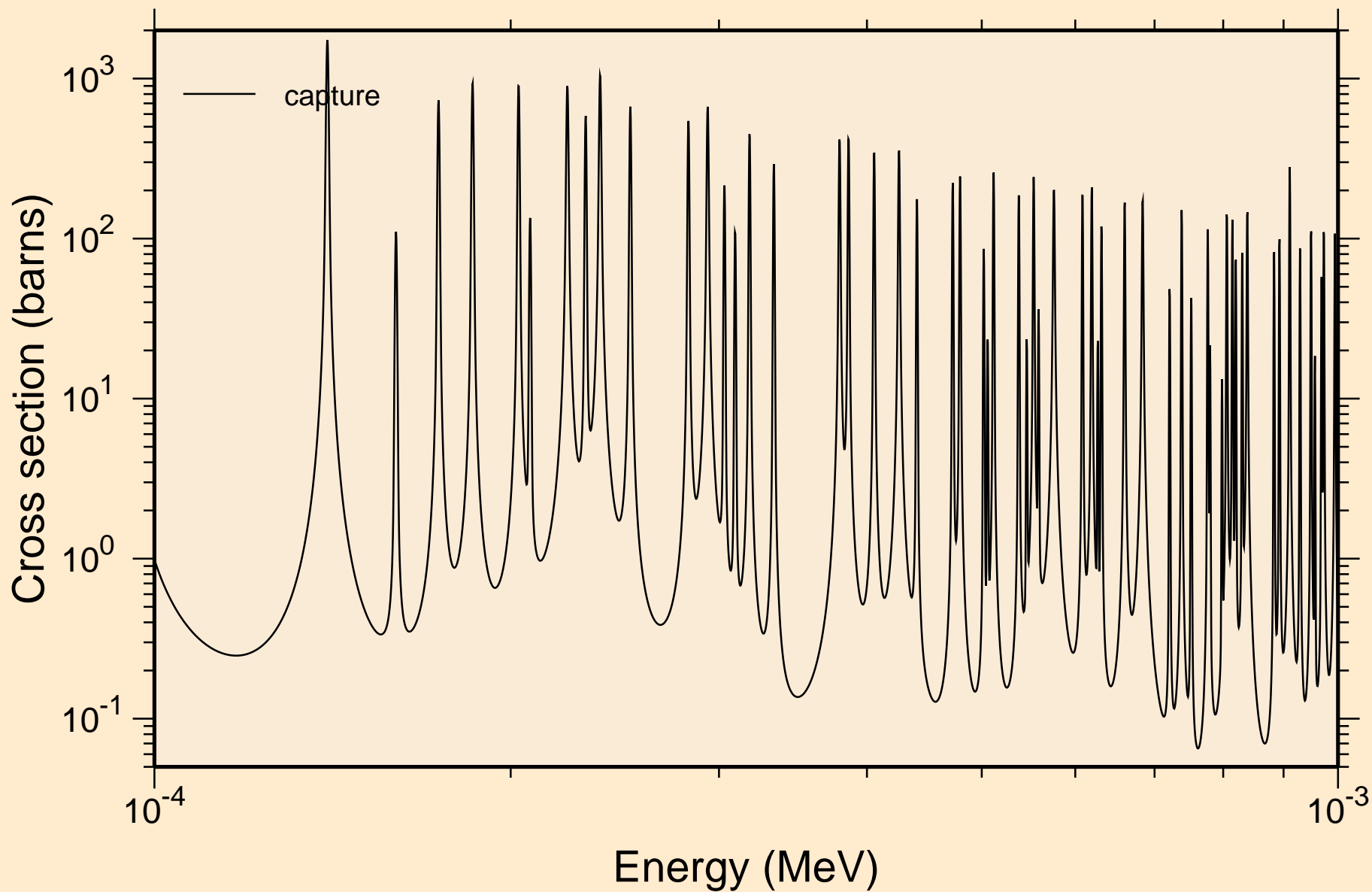
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



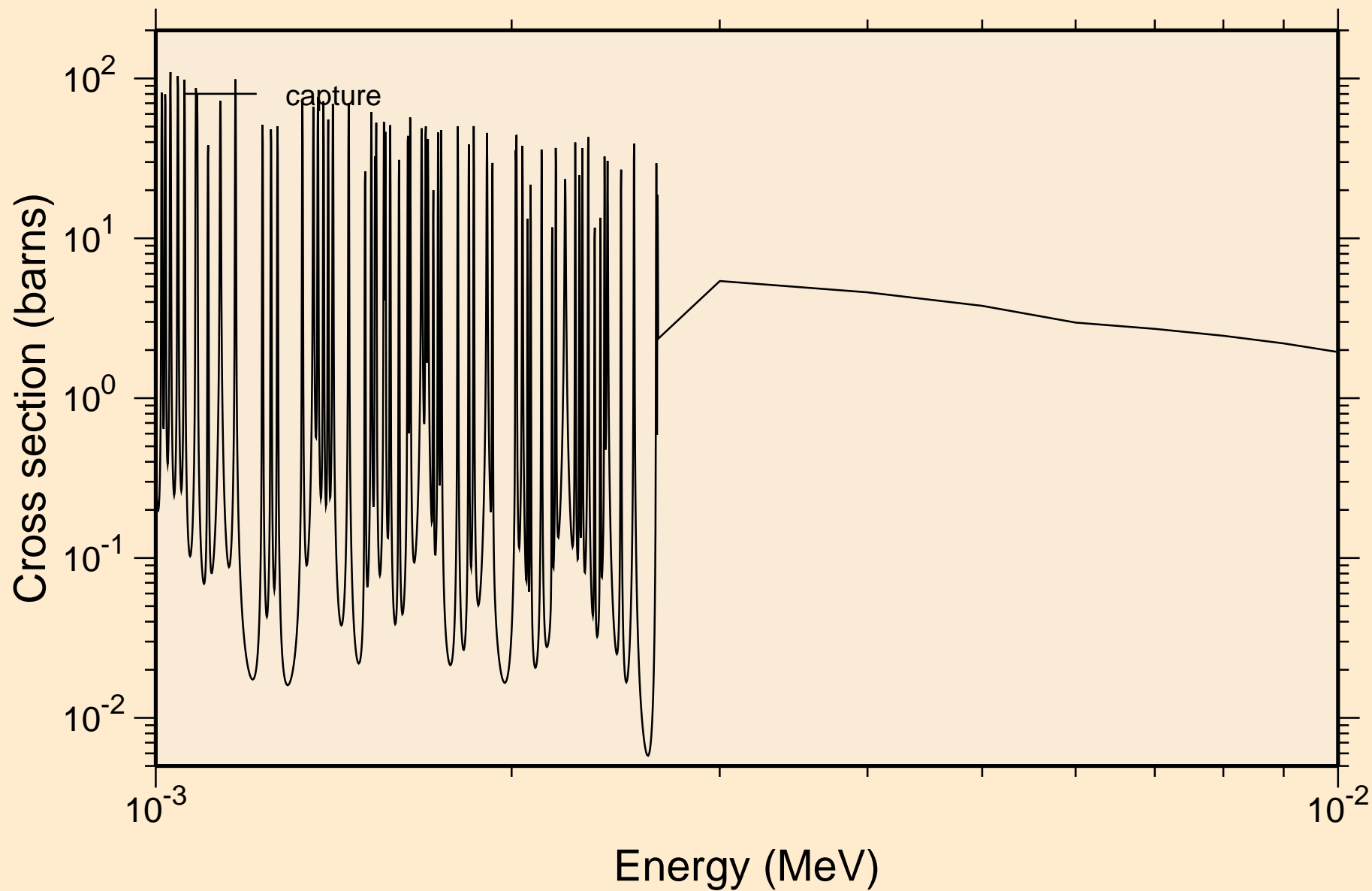
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

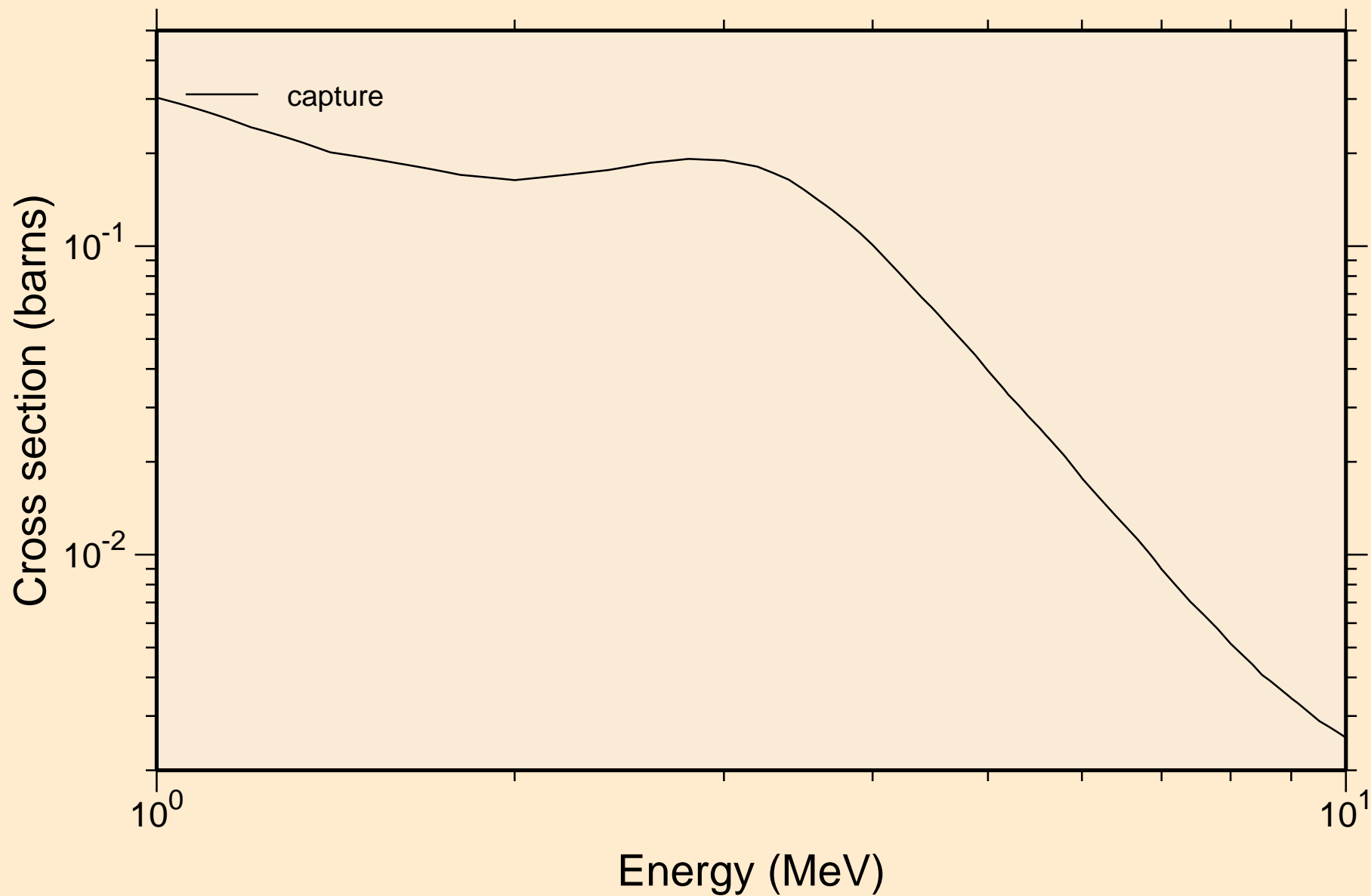


GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

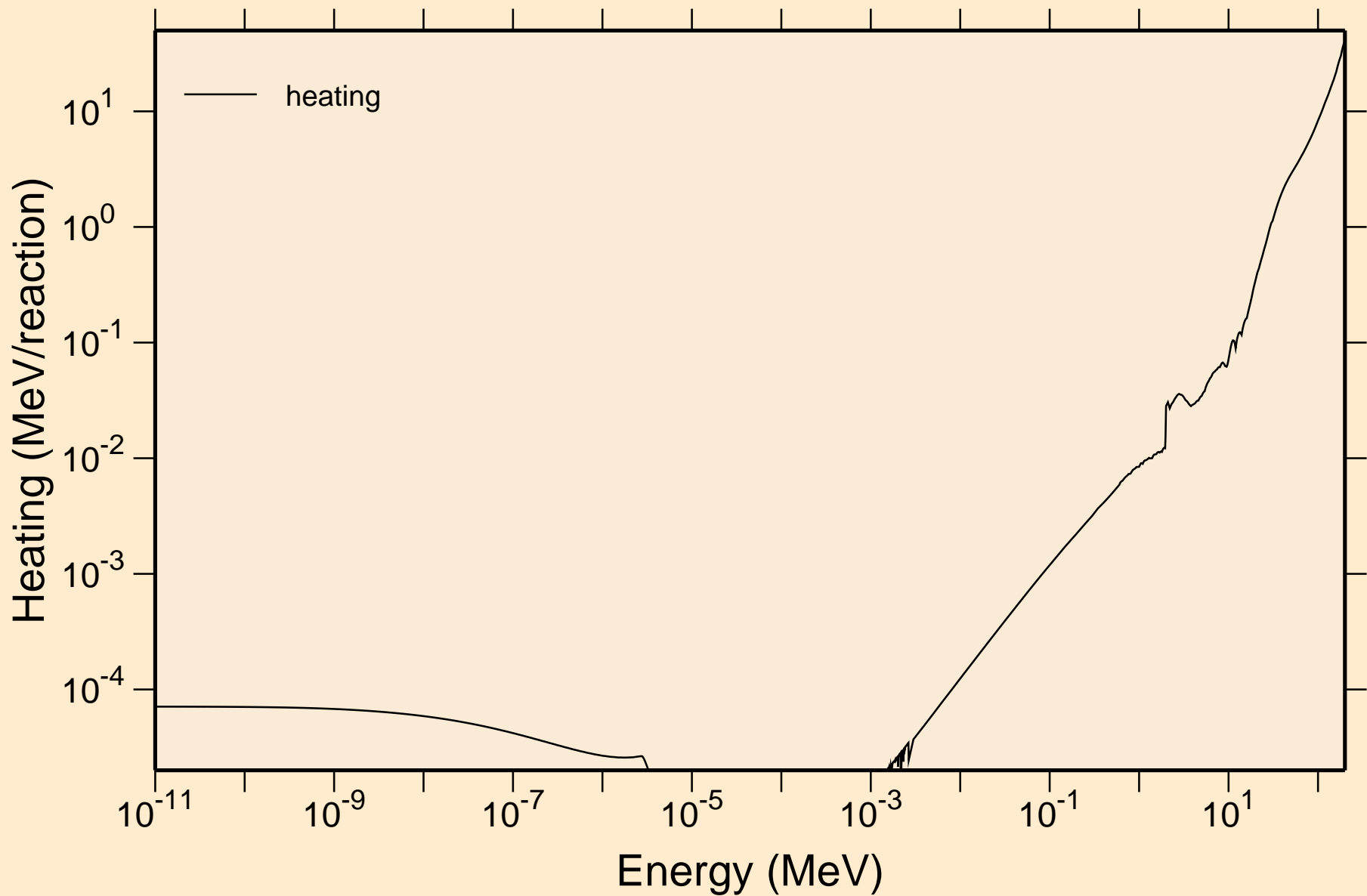




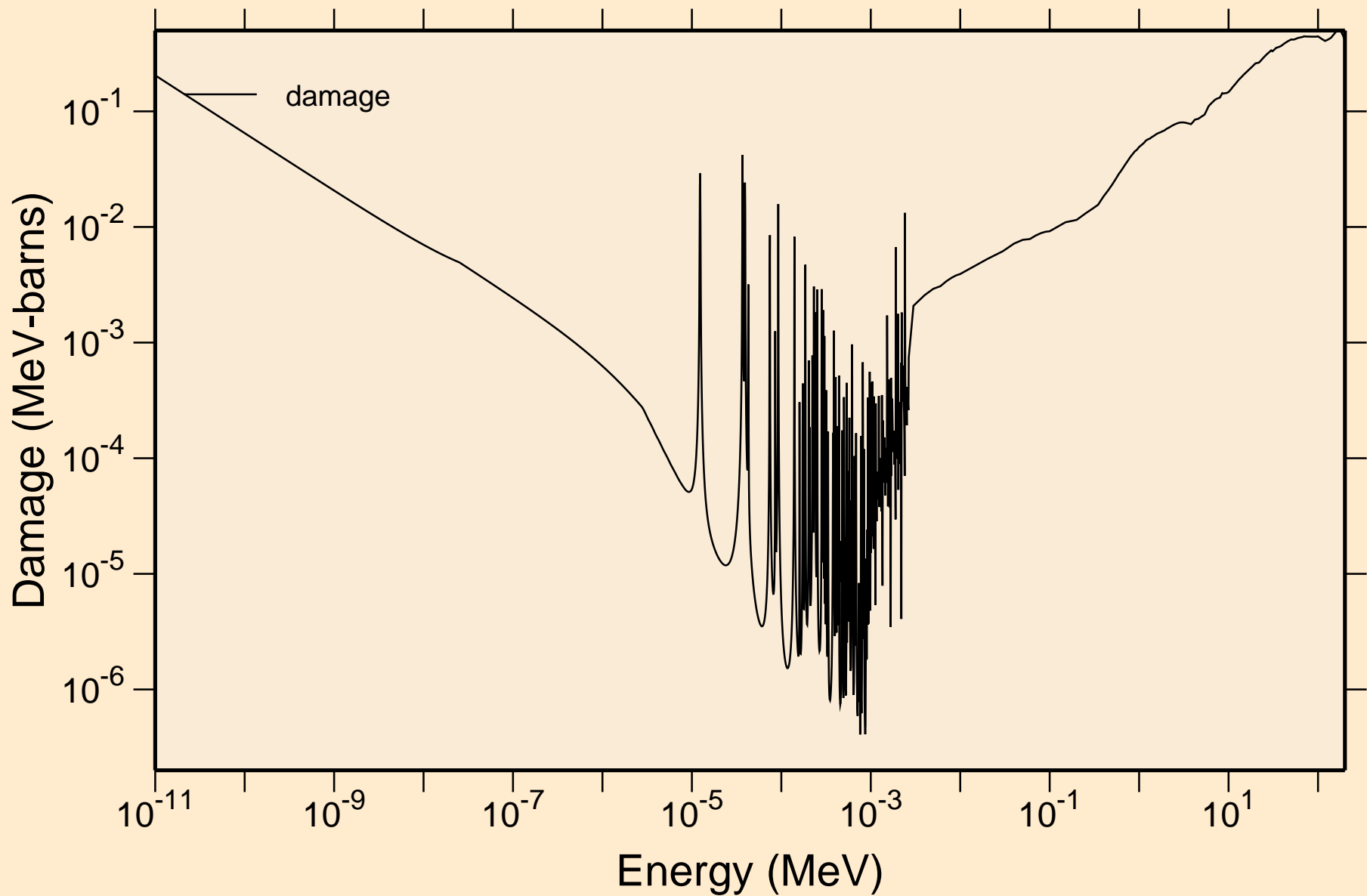
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



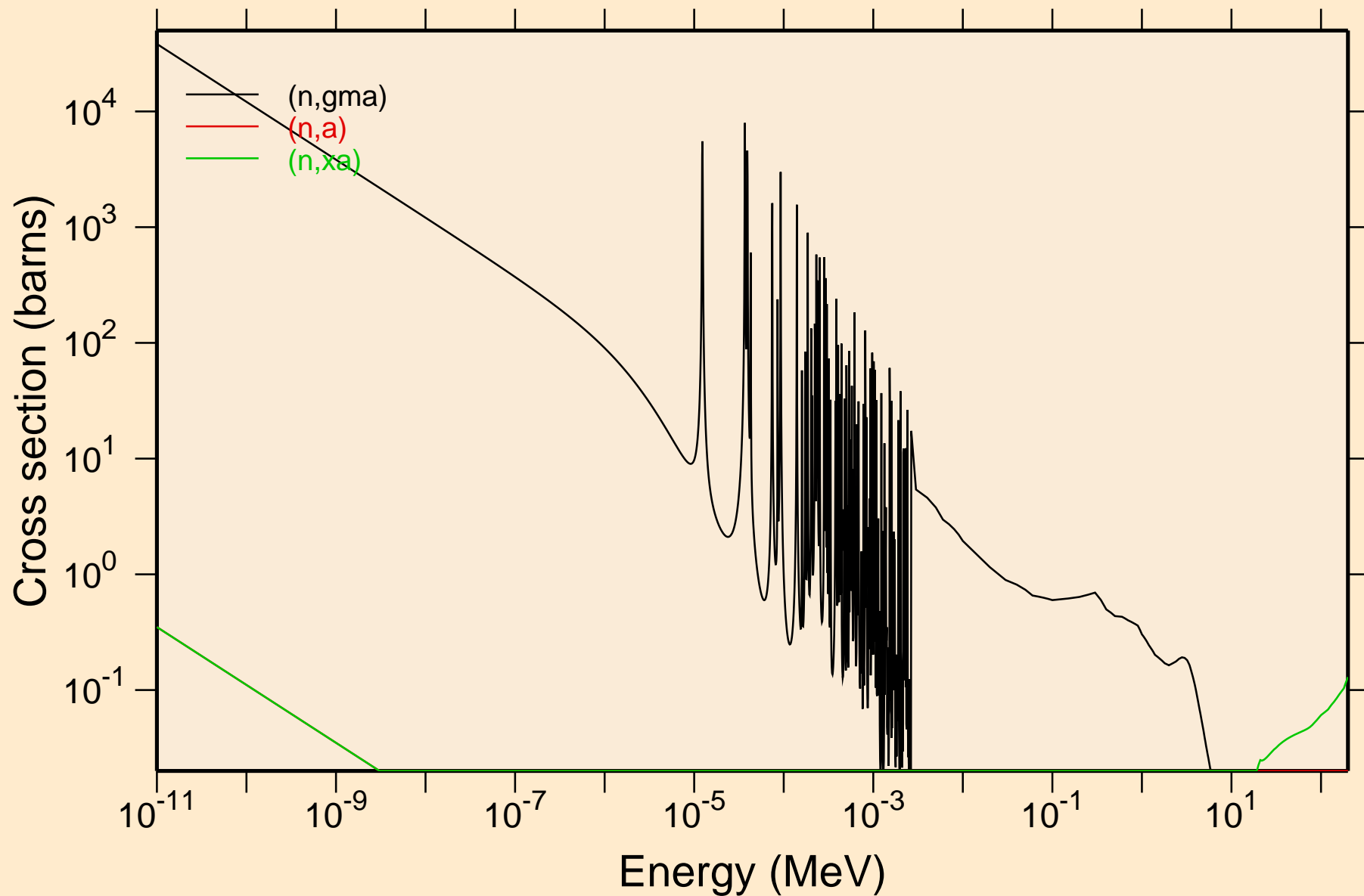
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



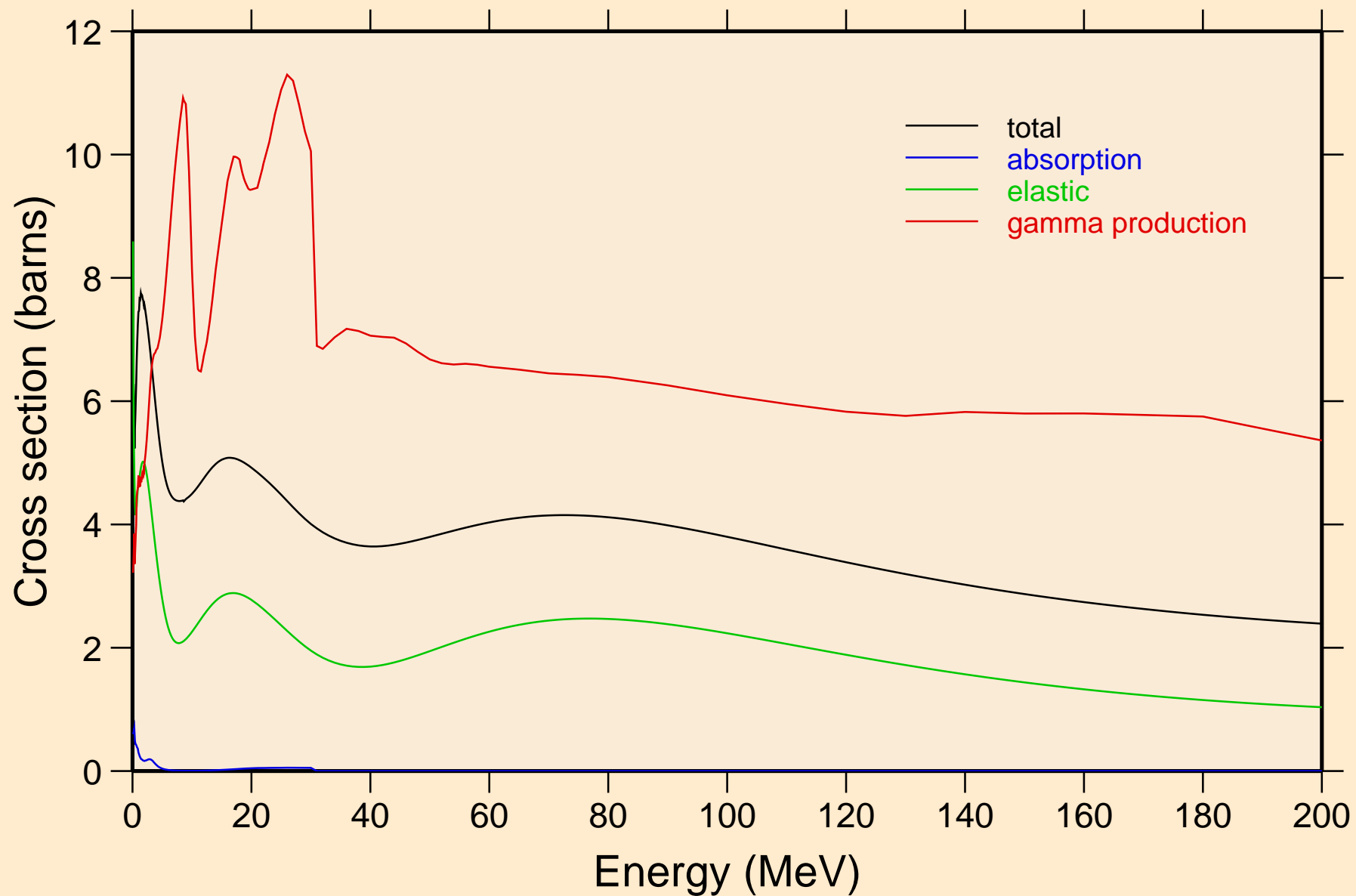
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage



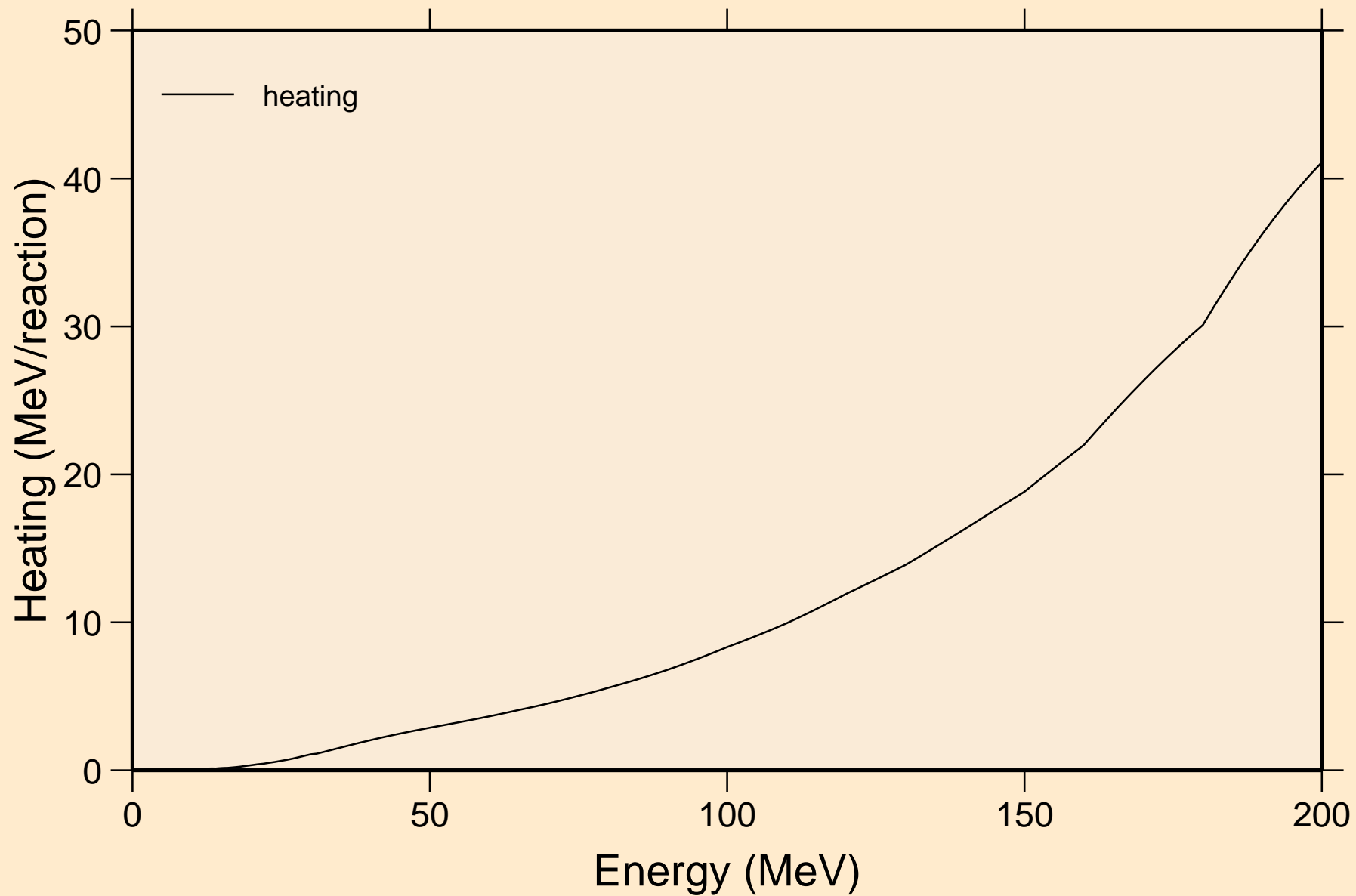
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



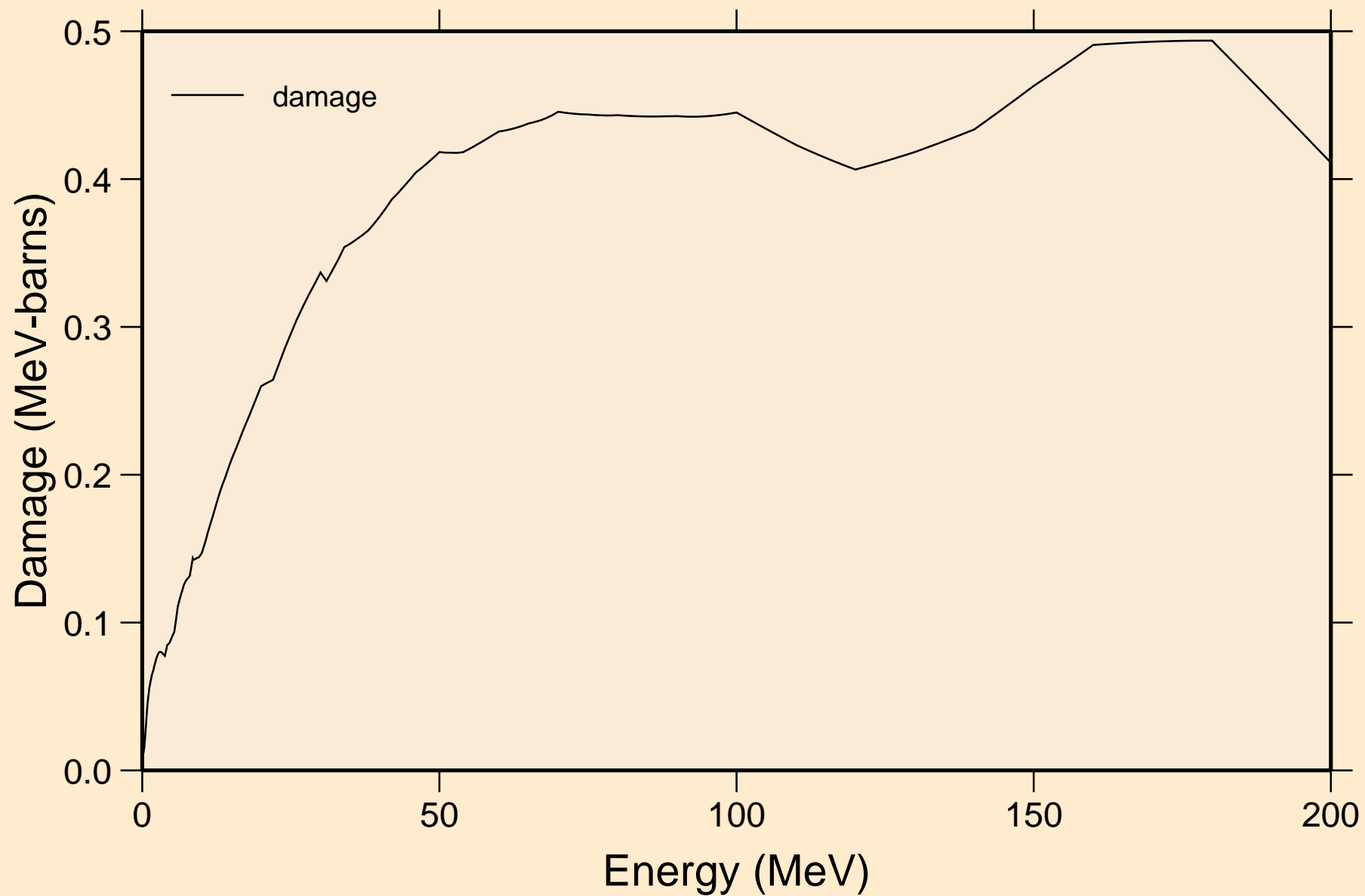
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



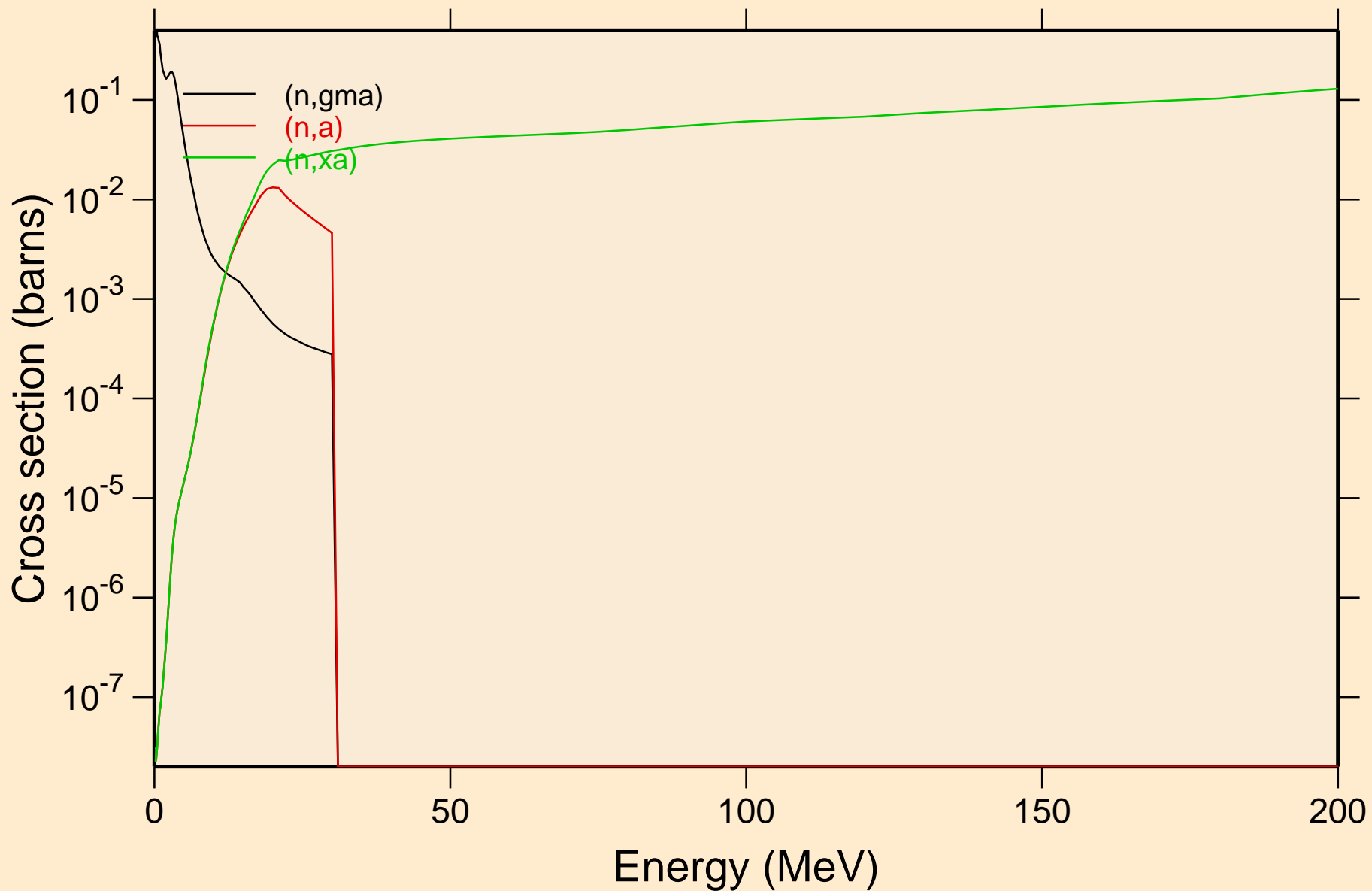
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



# GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage

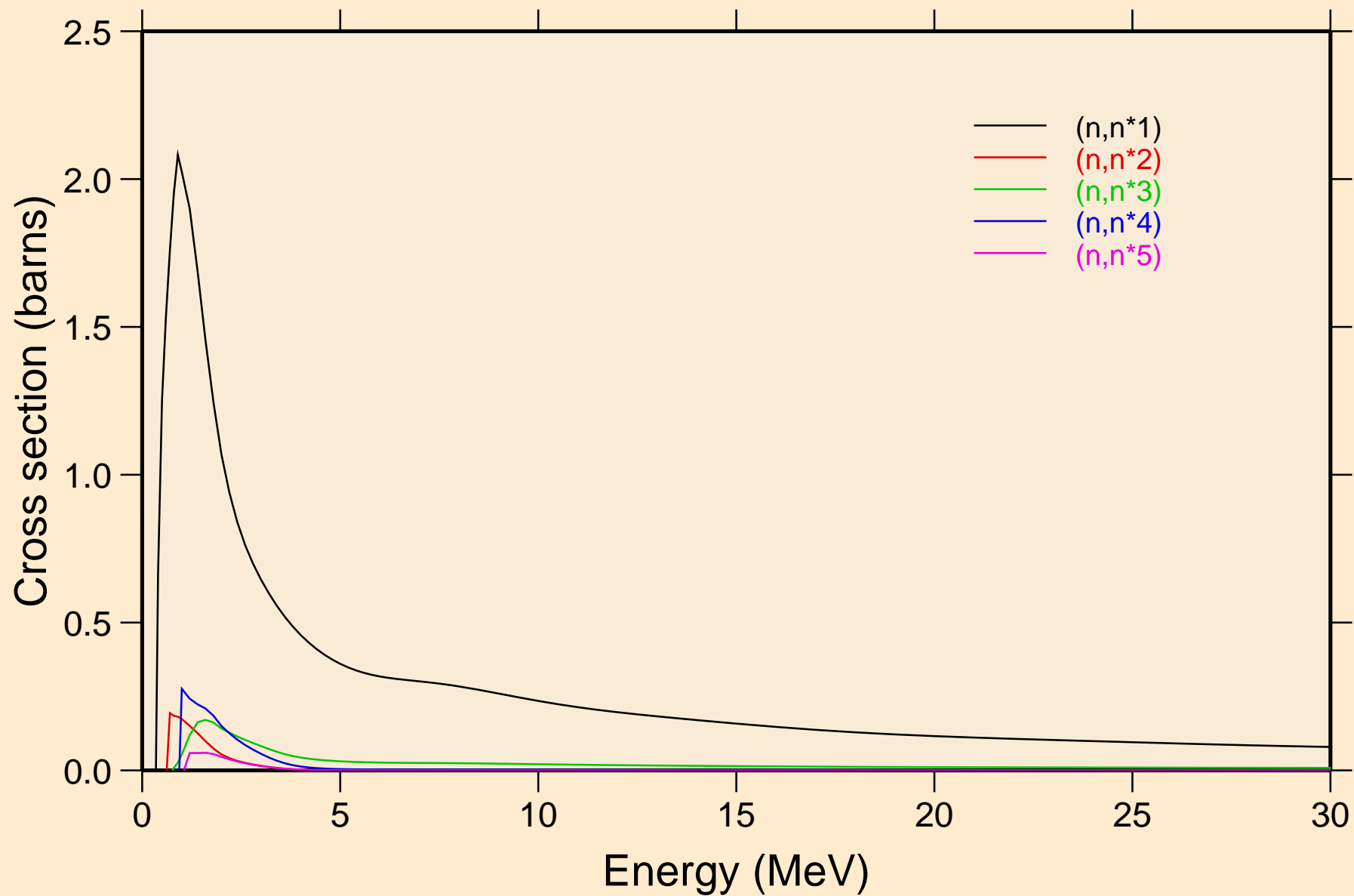


GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

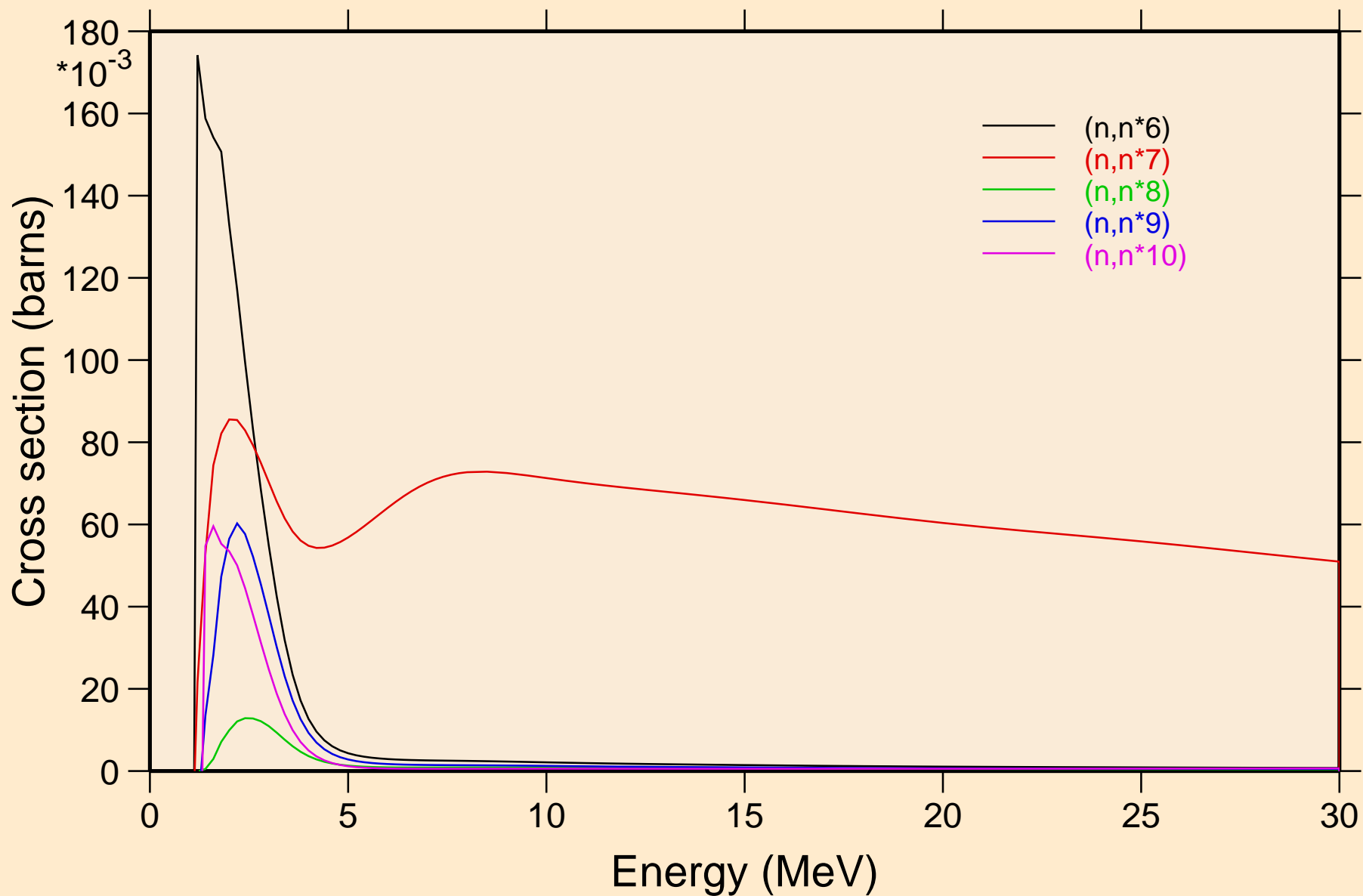




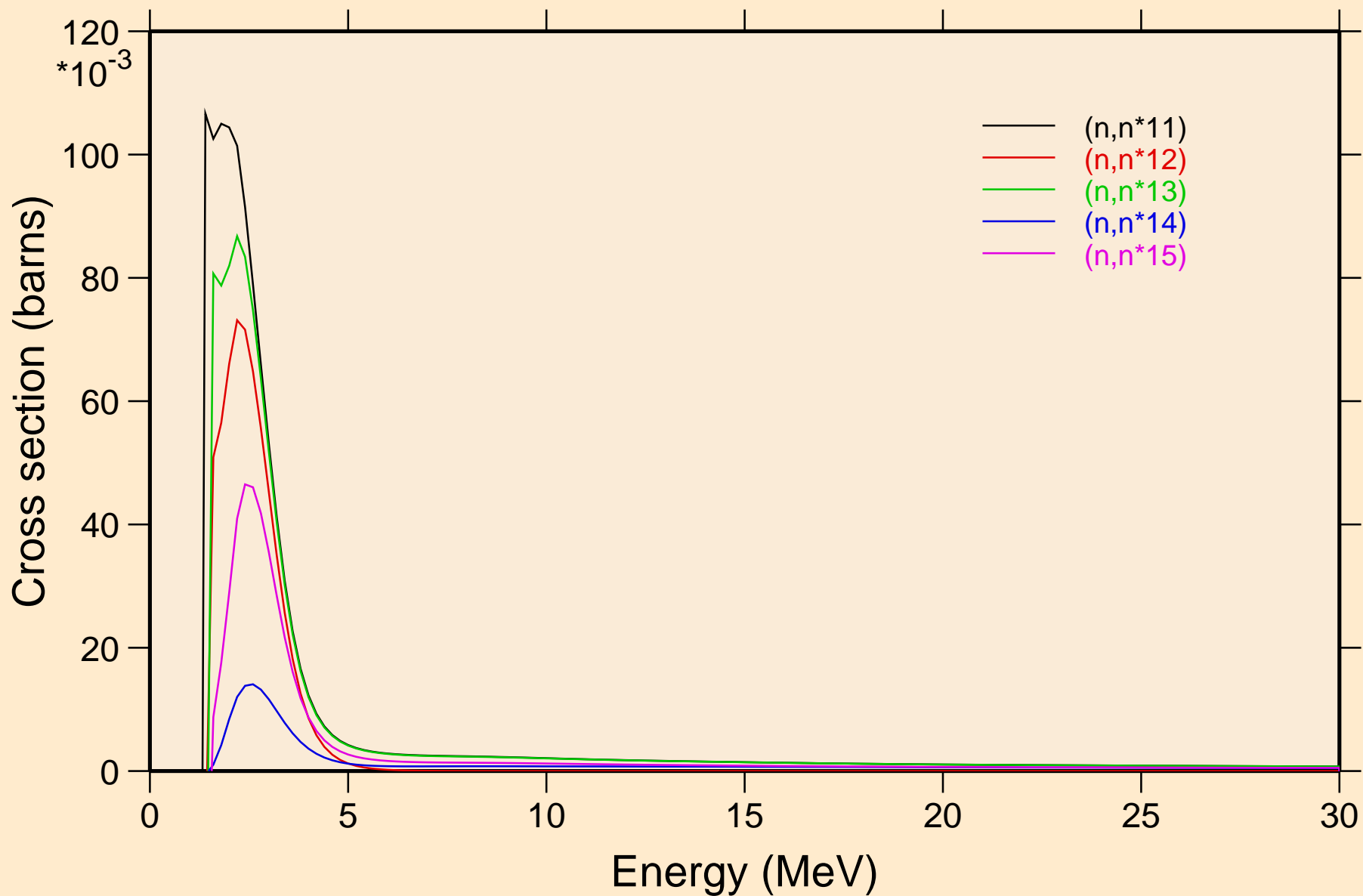
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

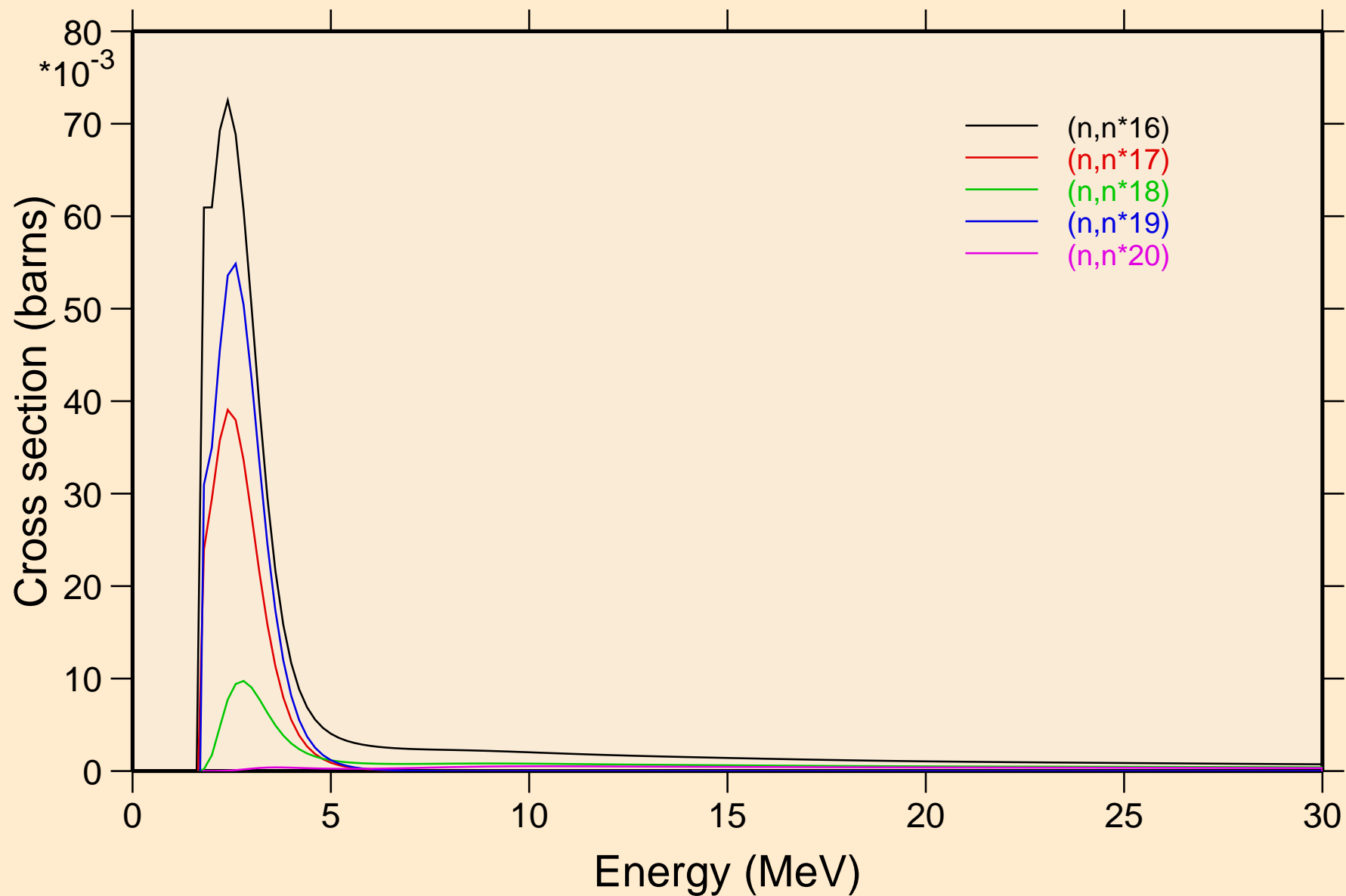


GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

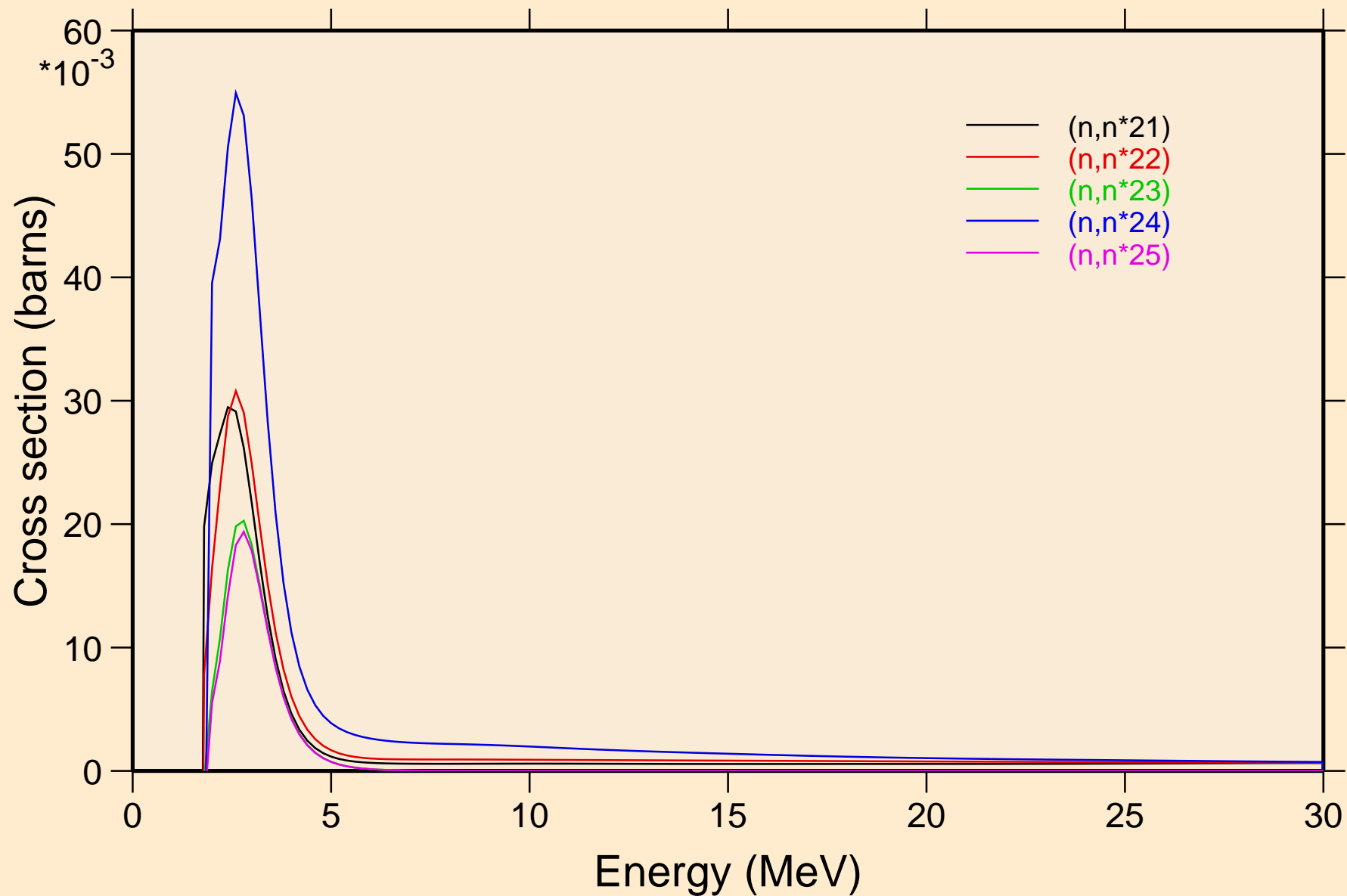


# GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

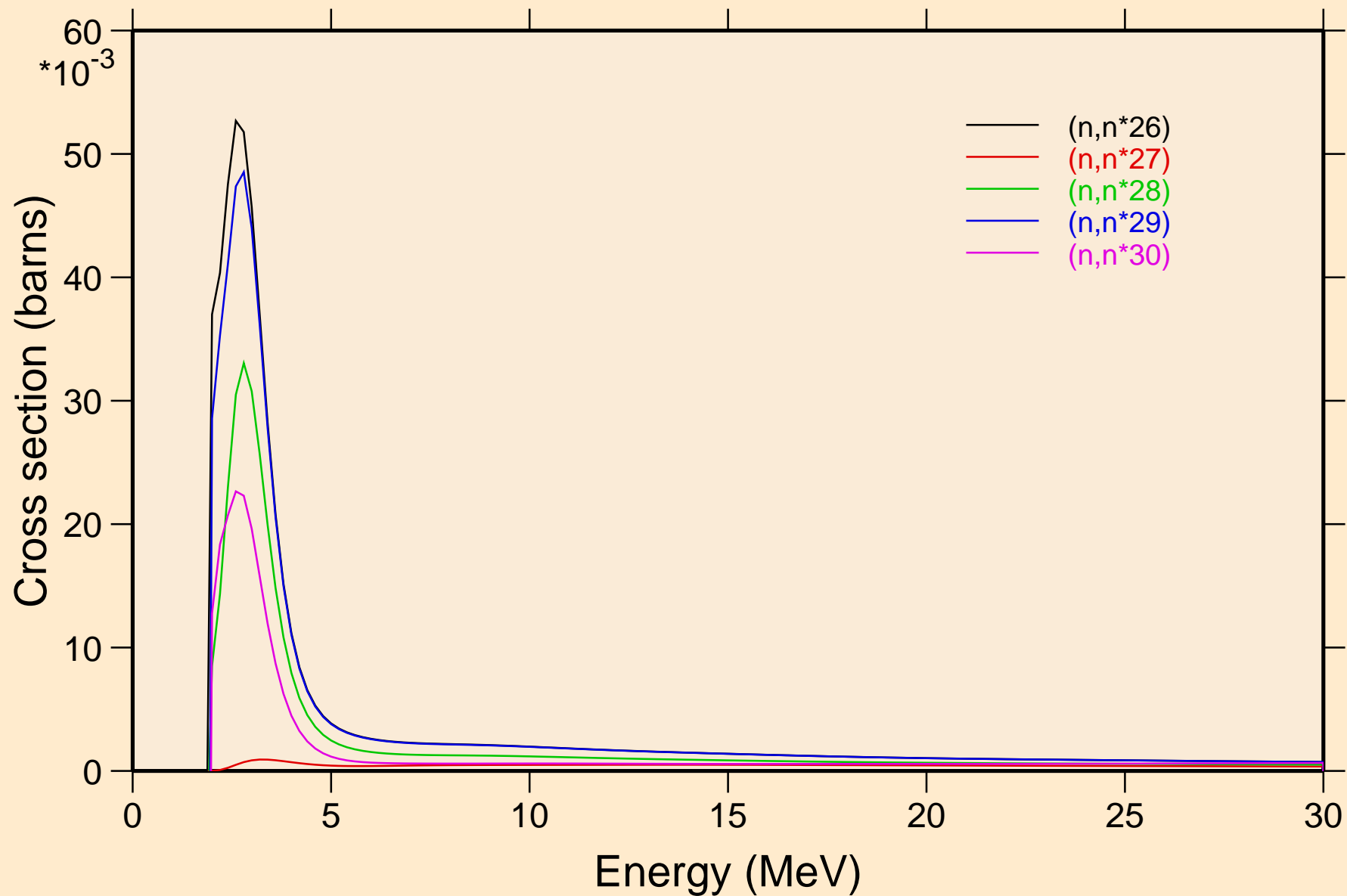
## Inelastic levels



GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

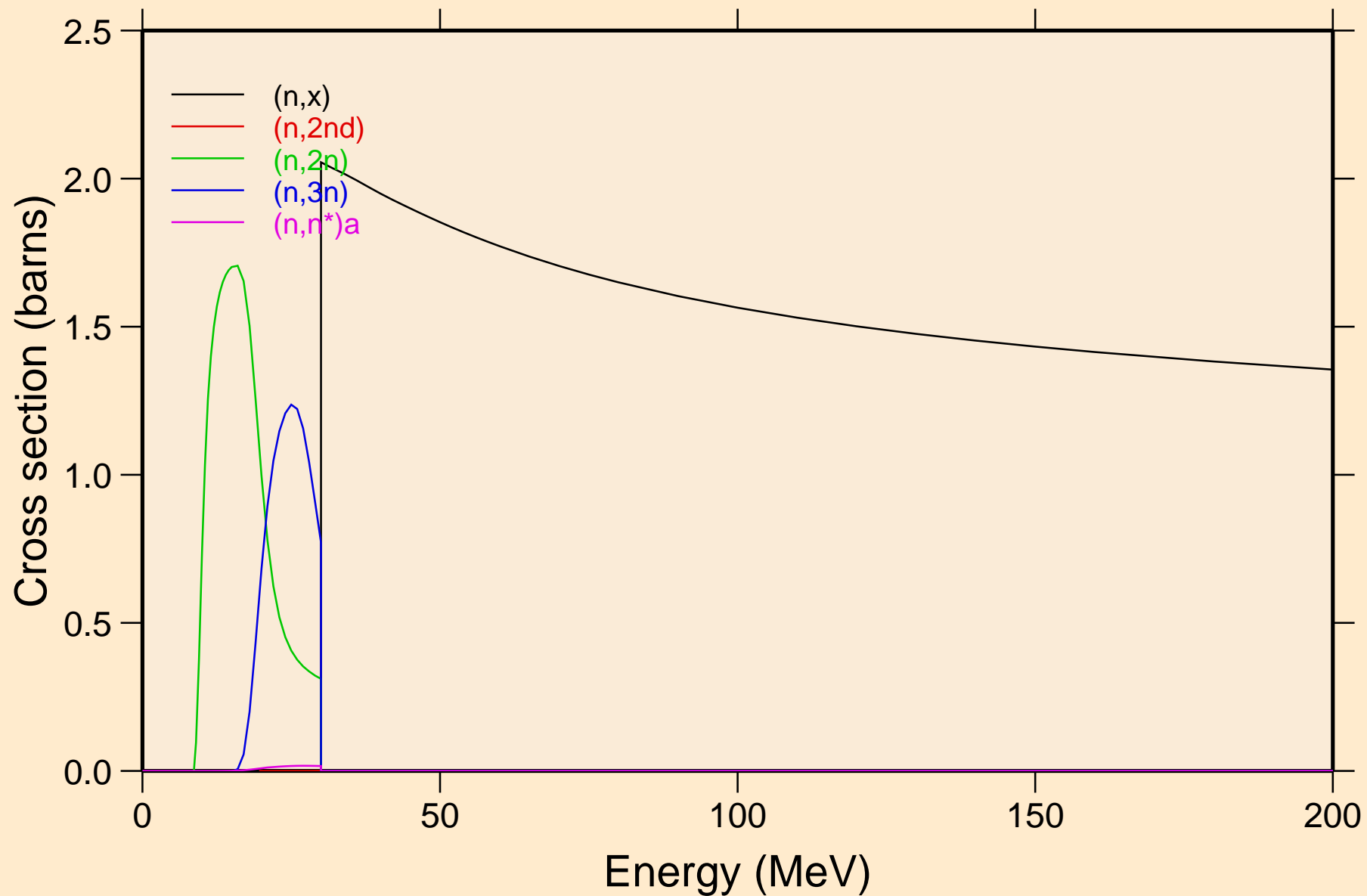


GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

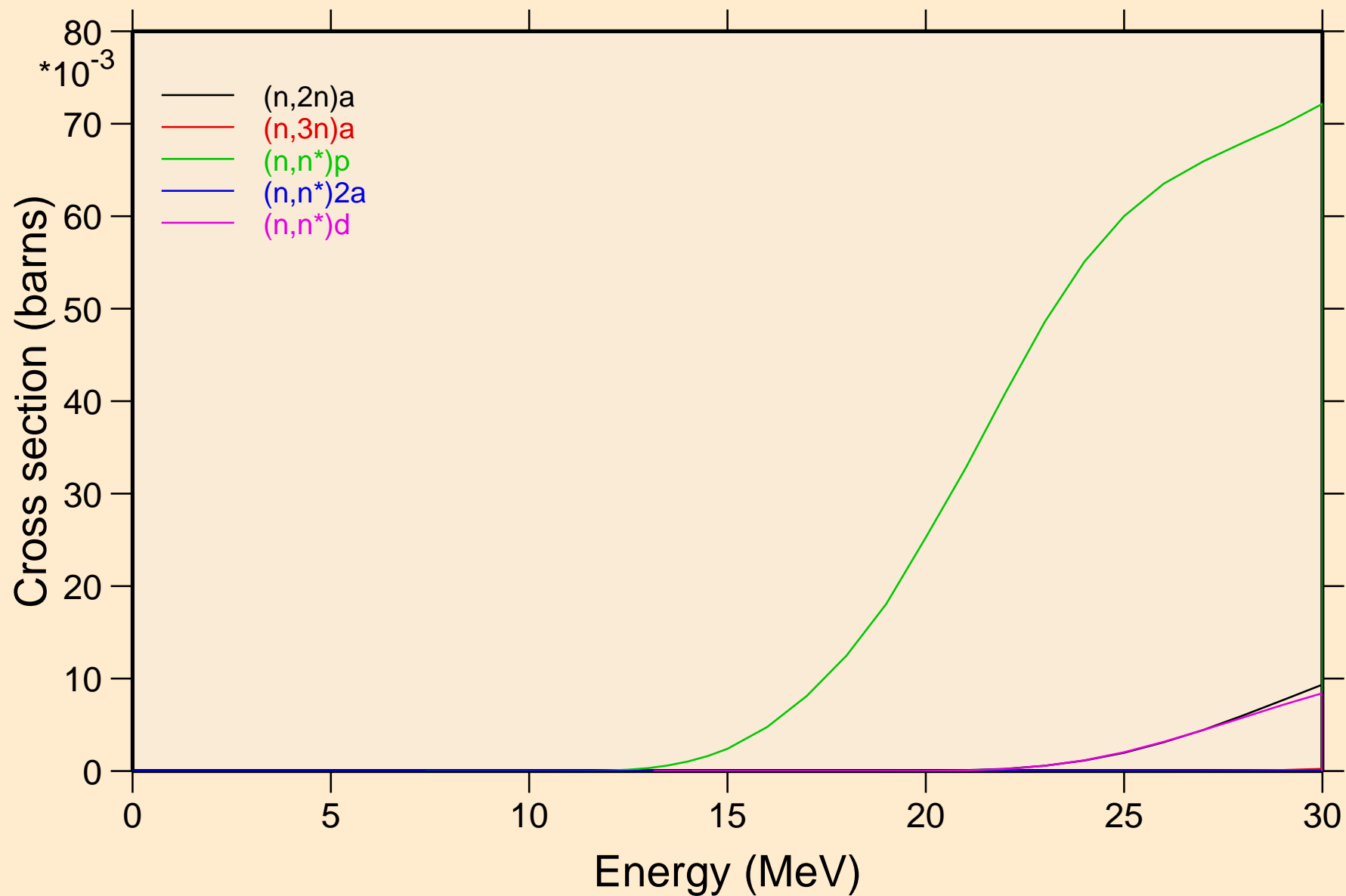


# GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions

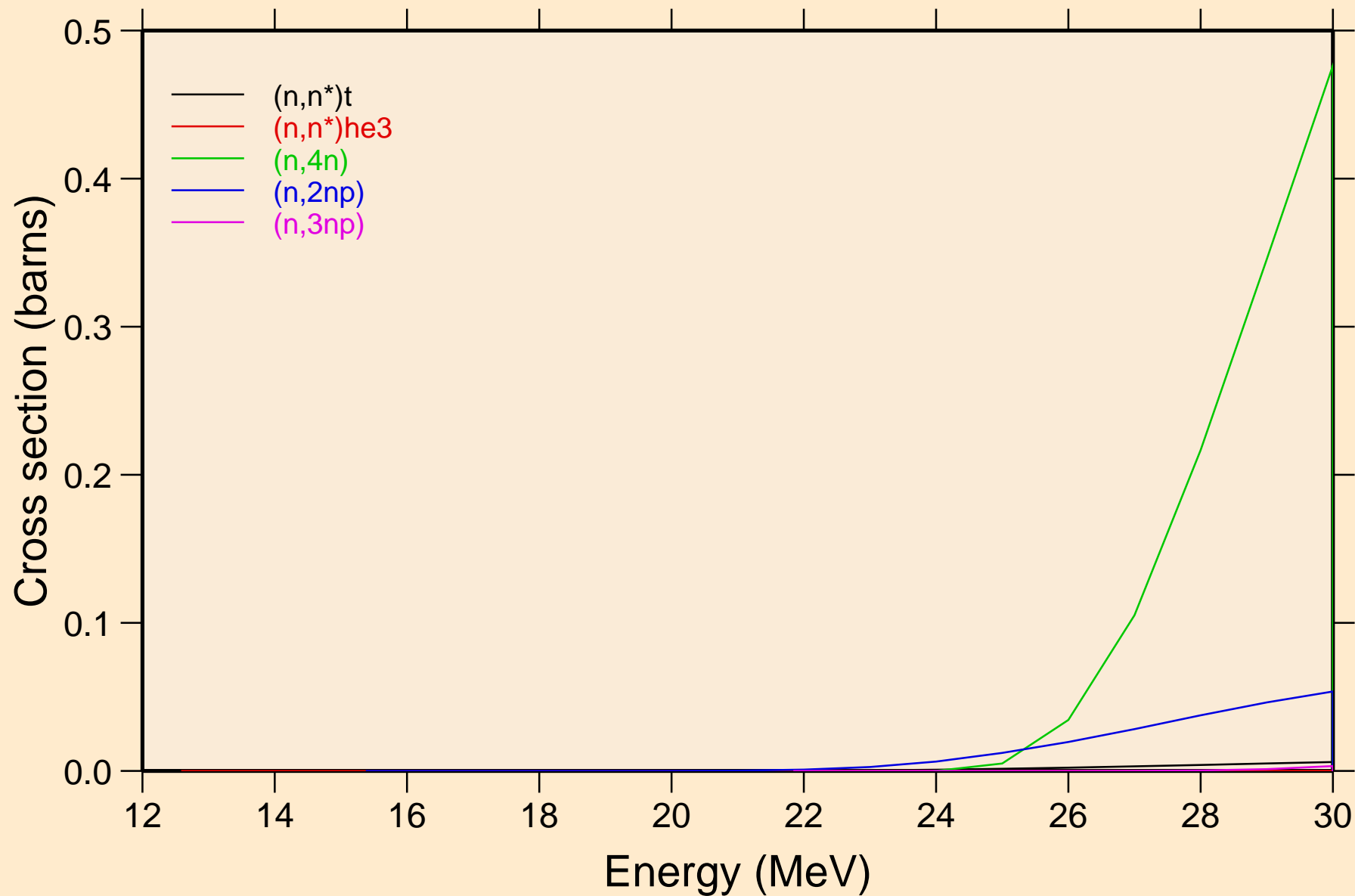


GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

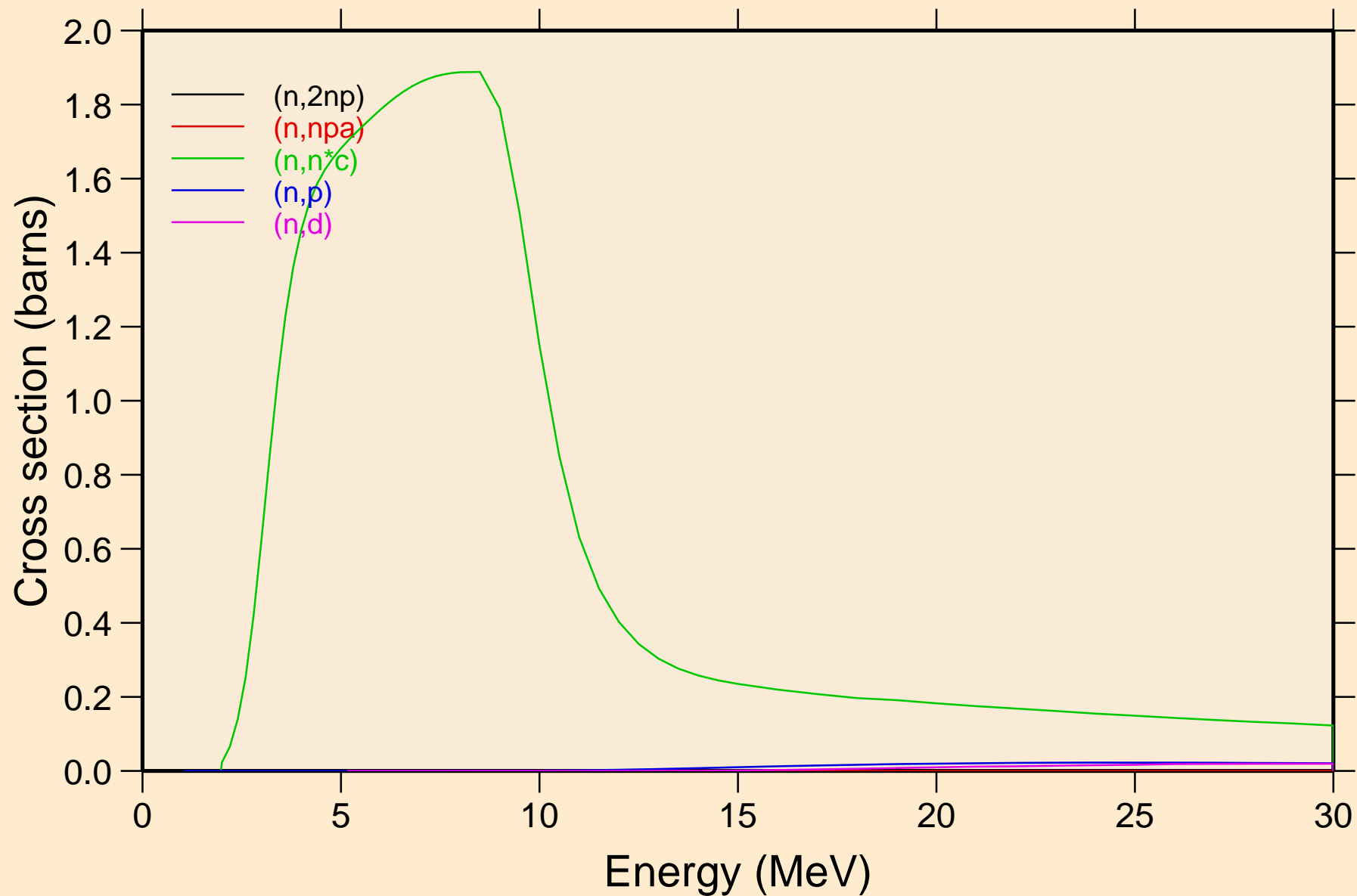




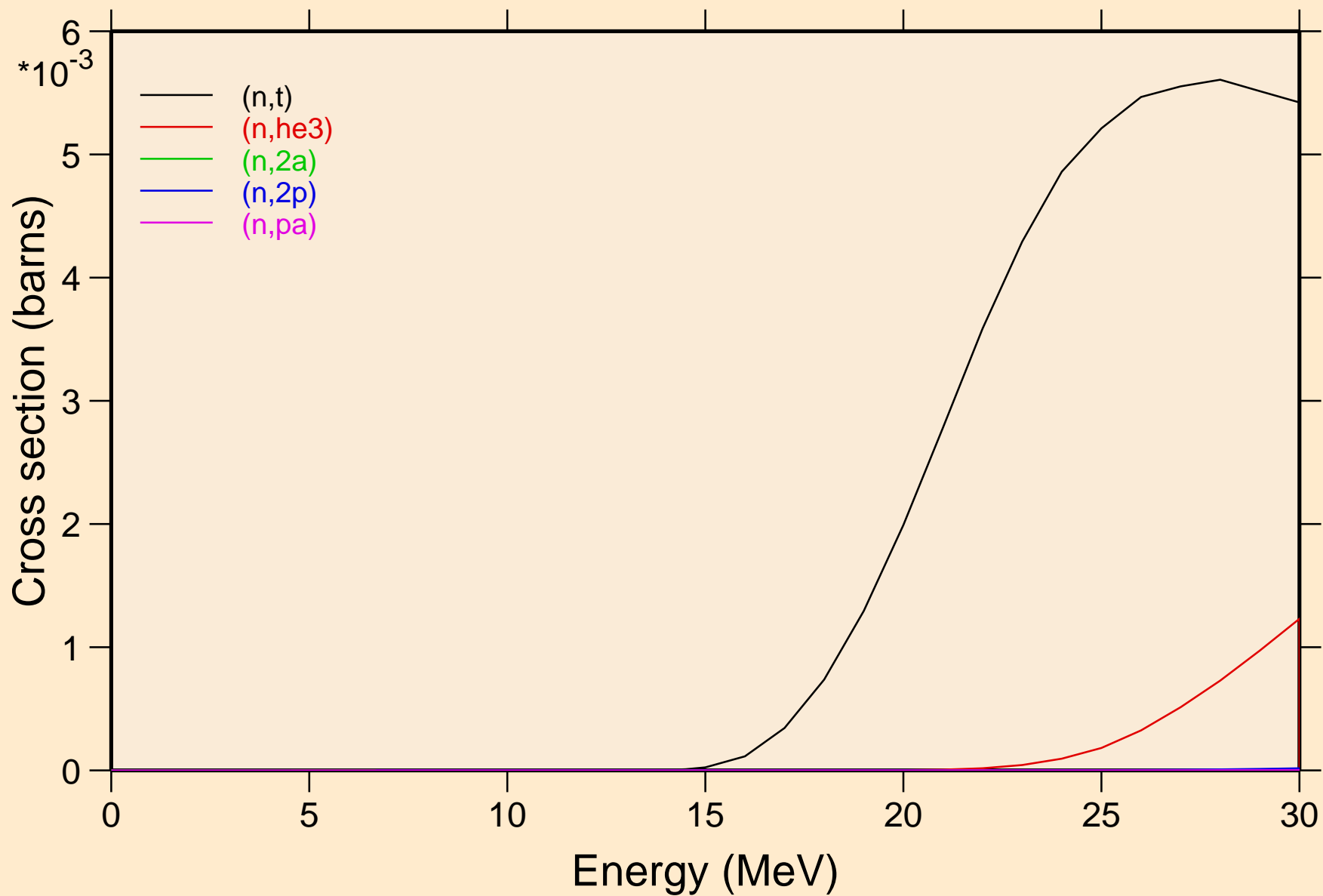
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



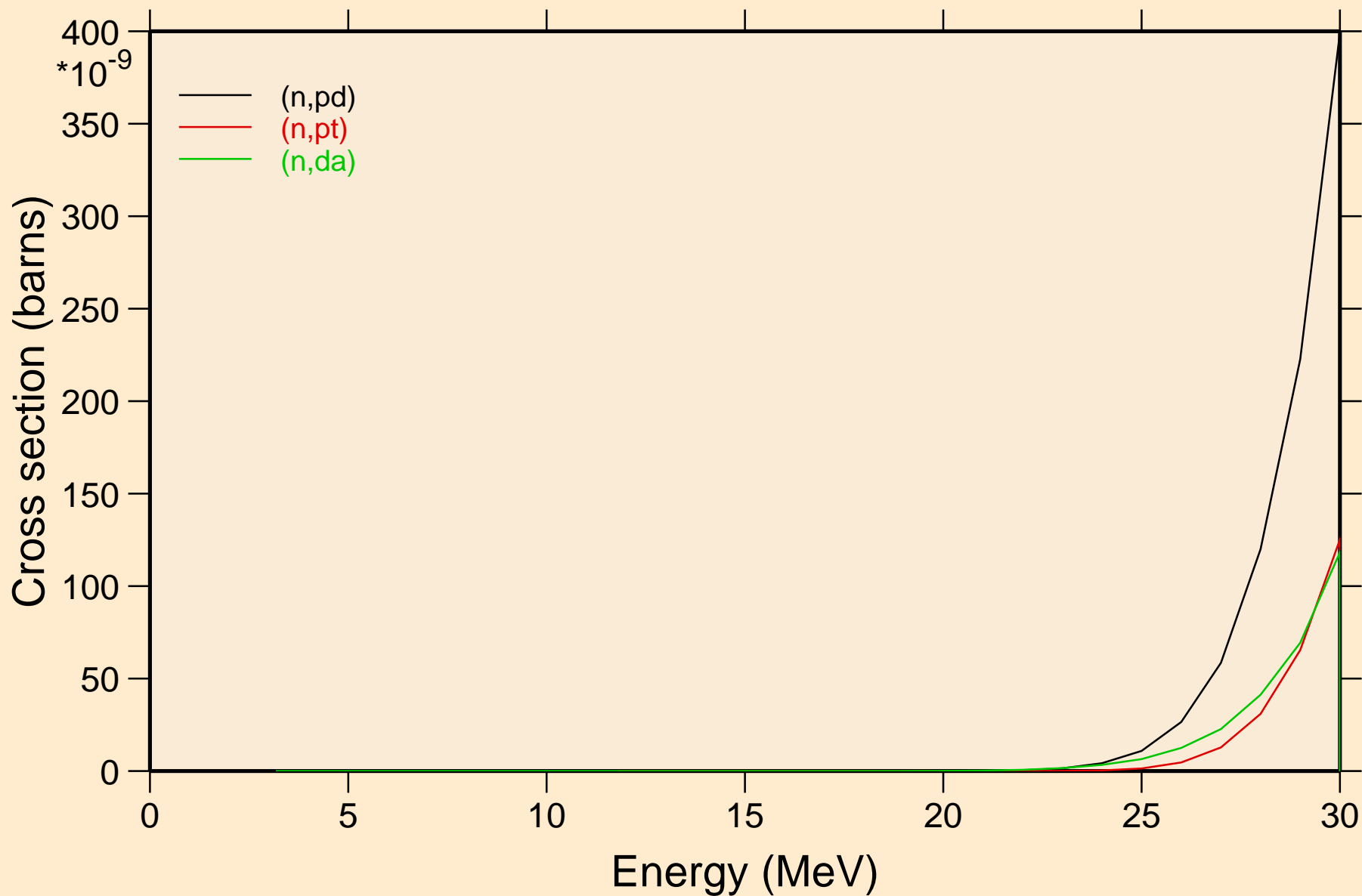
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



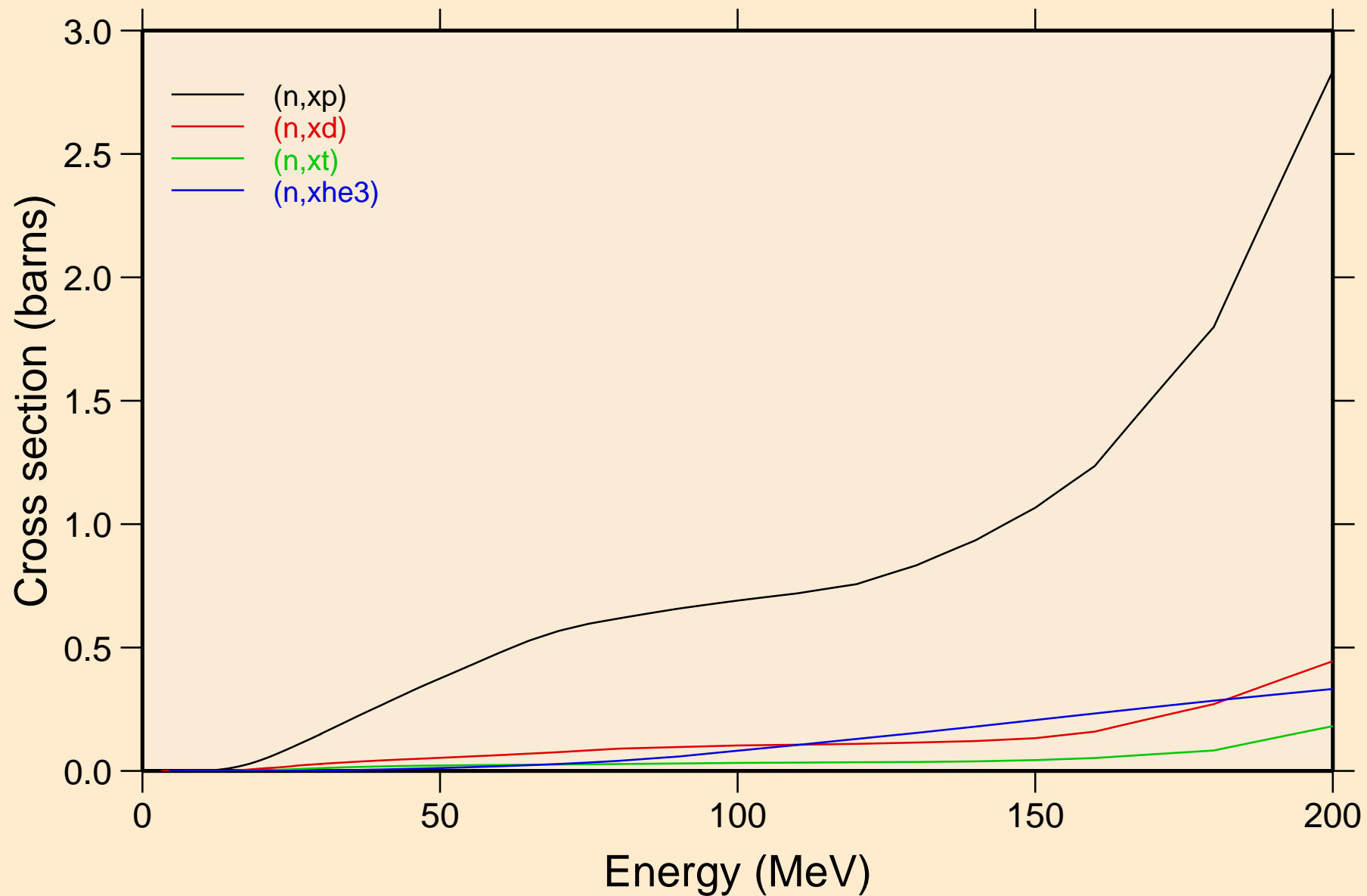
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



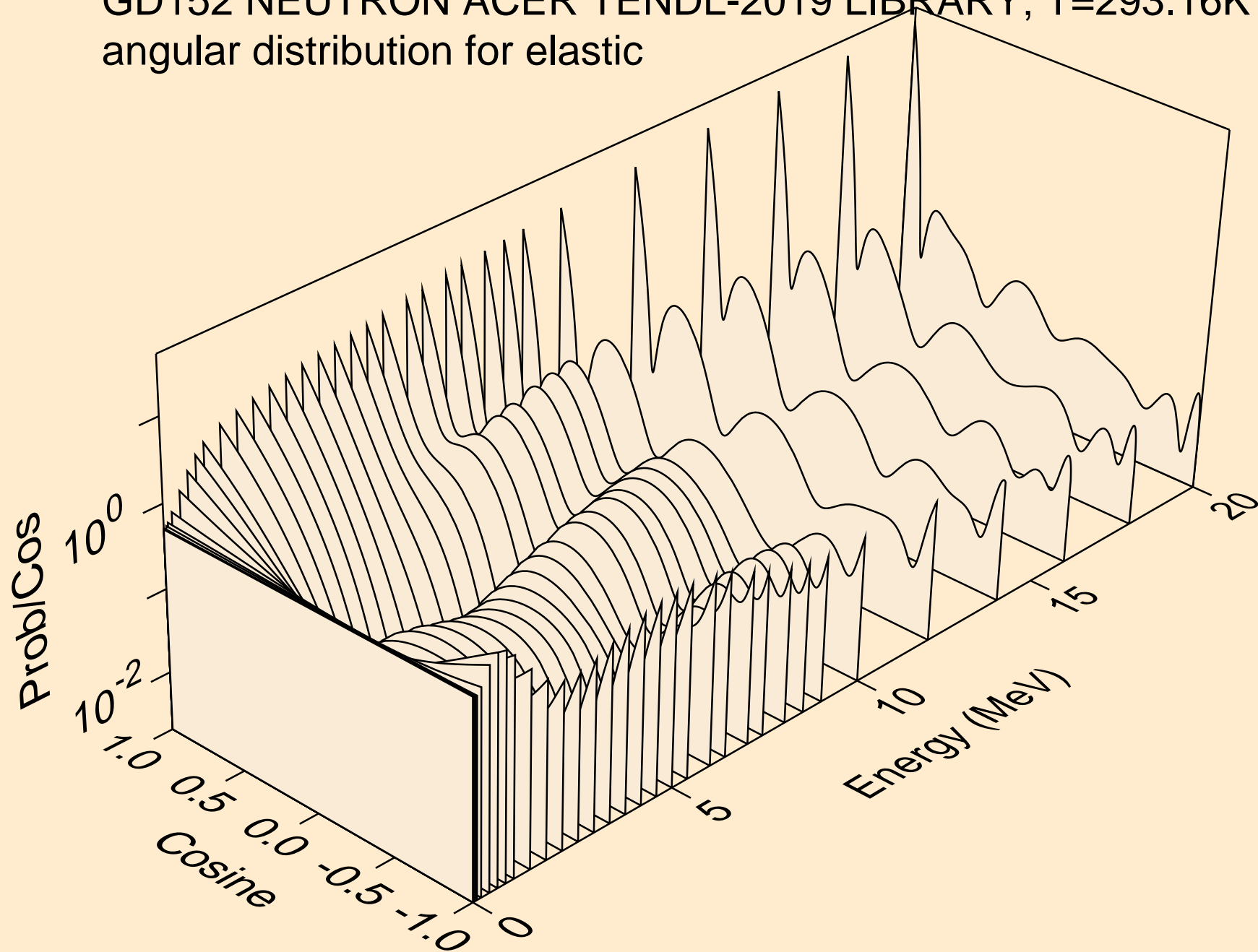
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



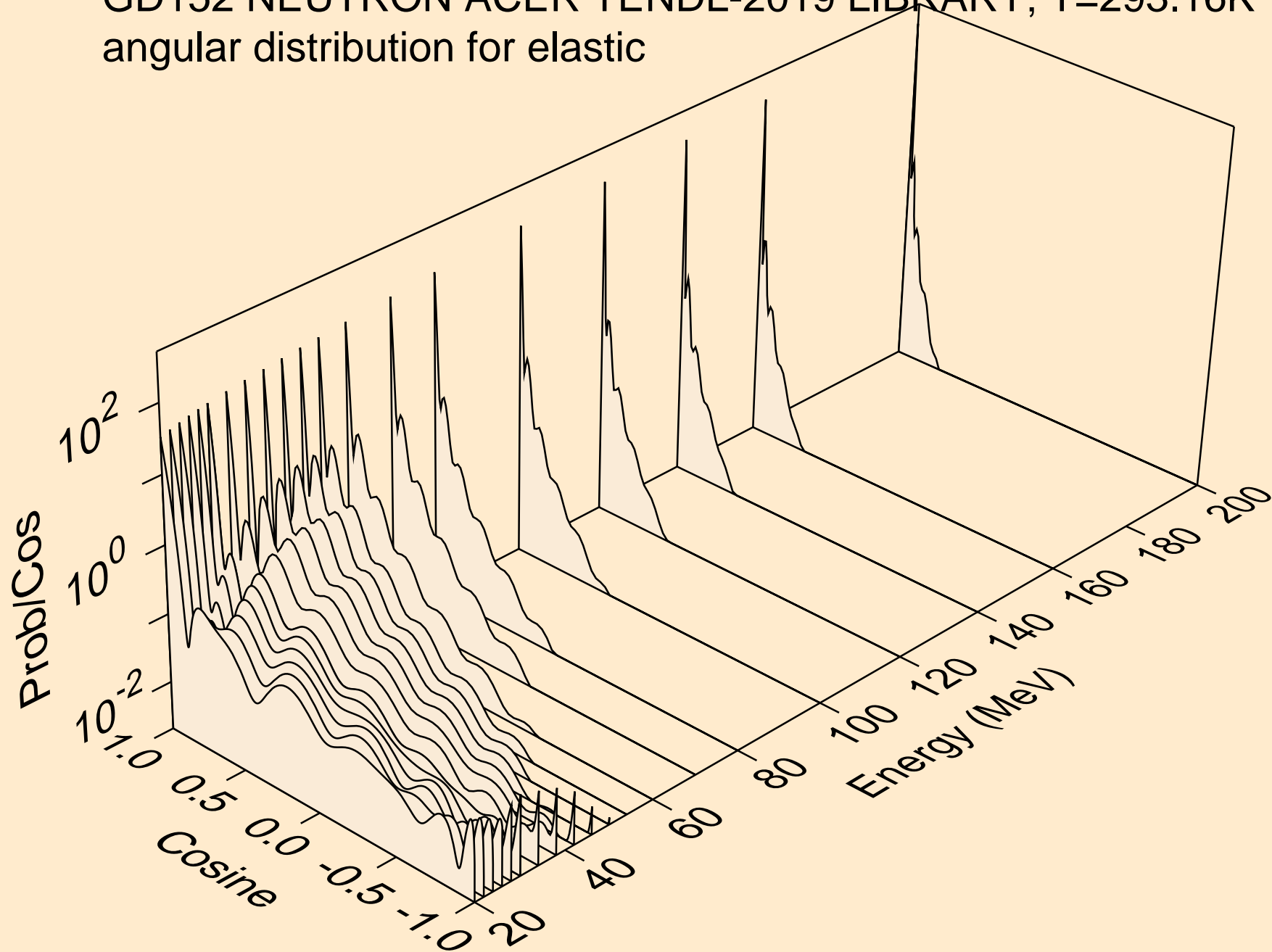
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



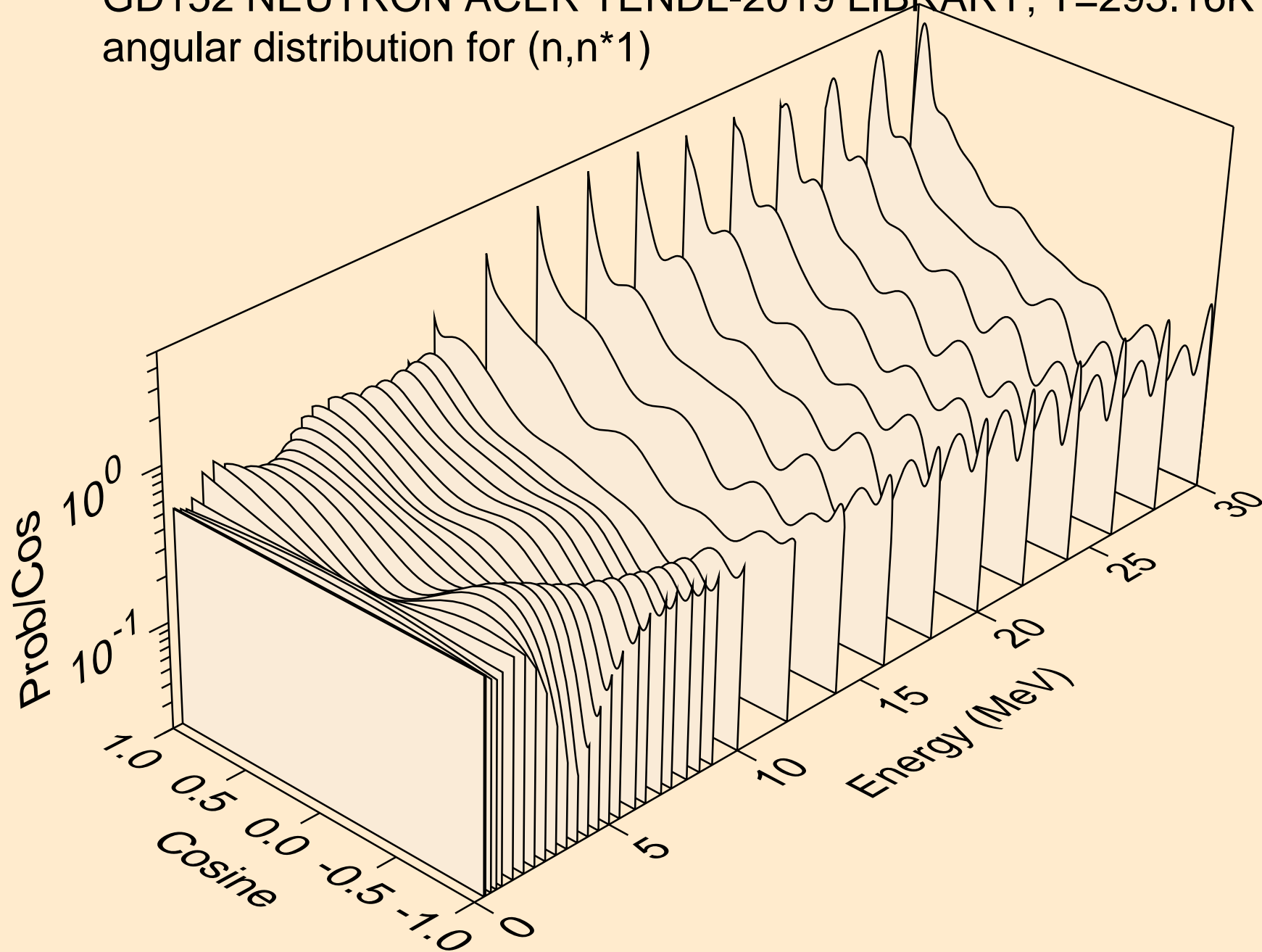
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic

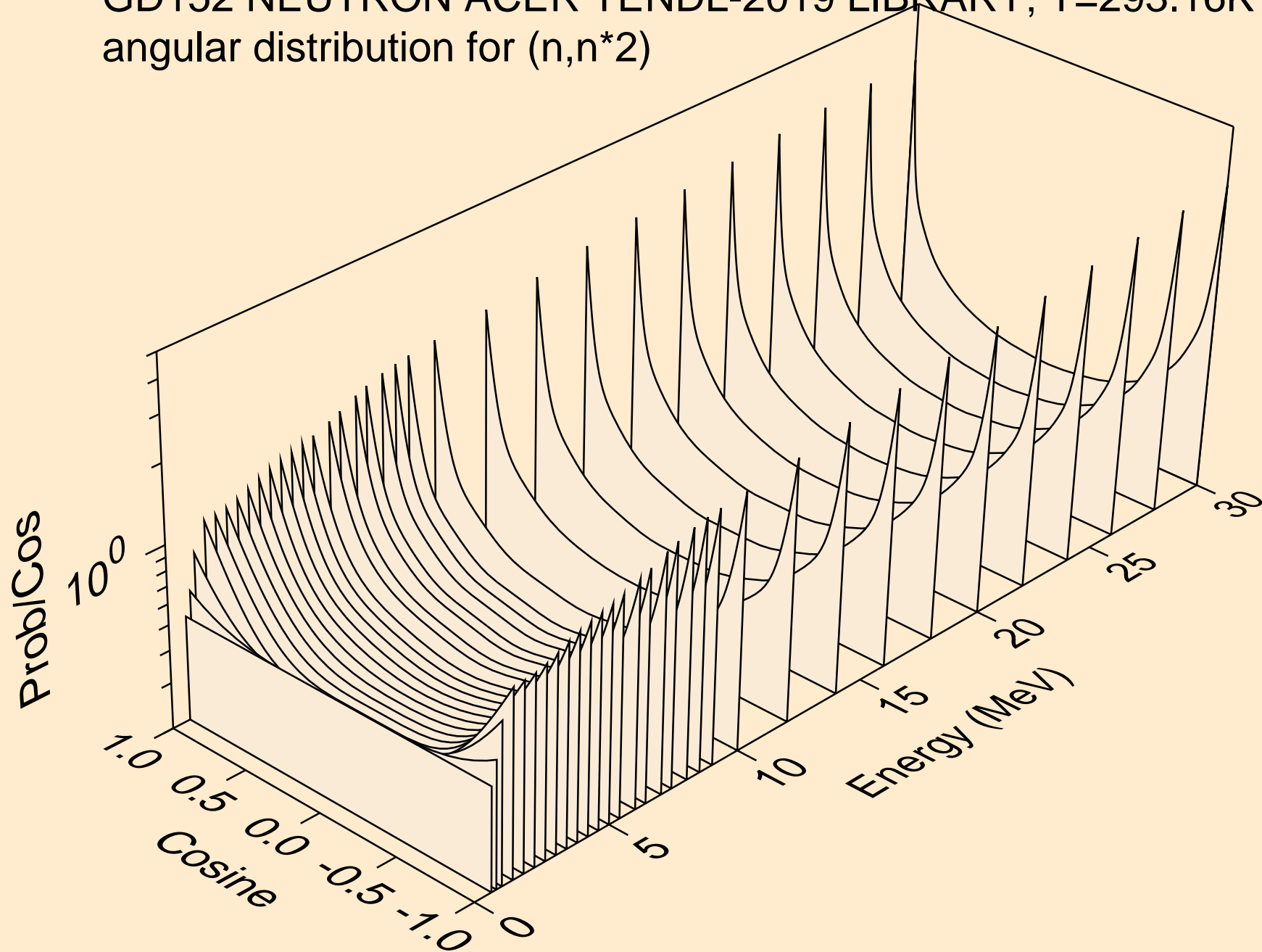


GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)

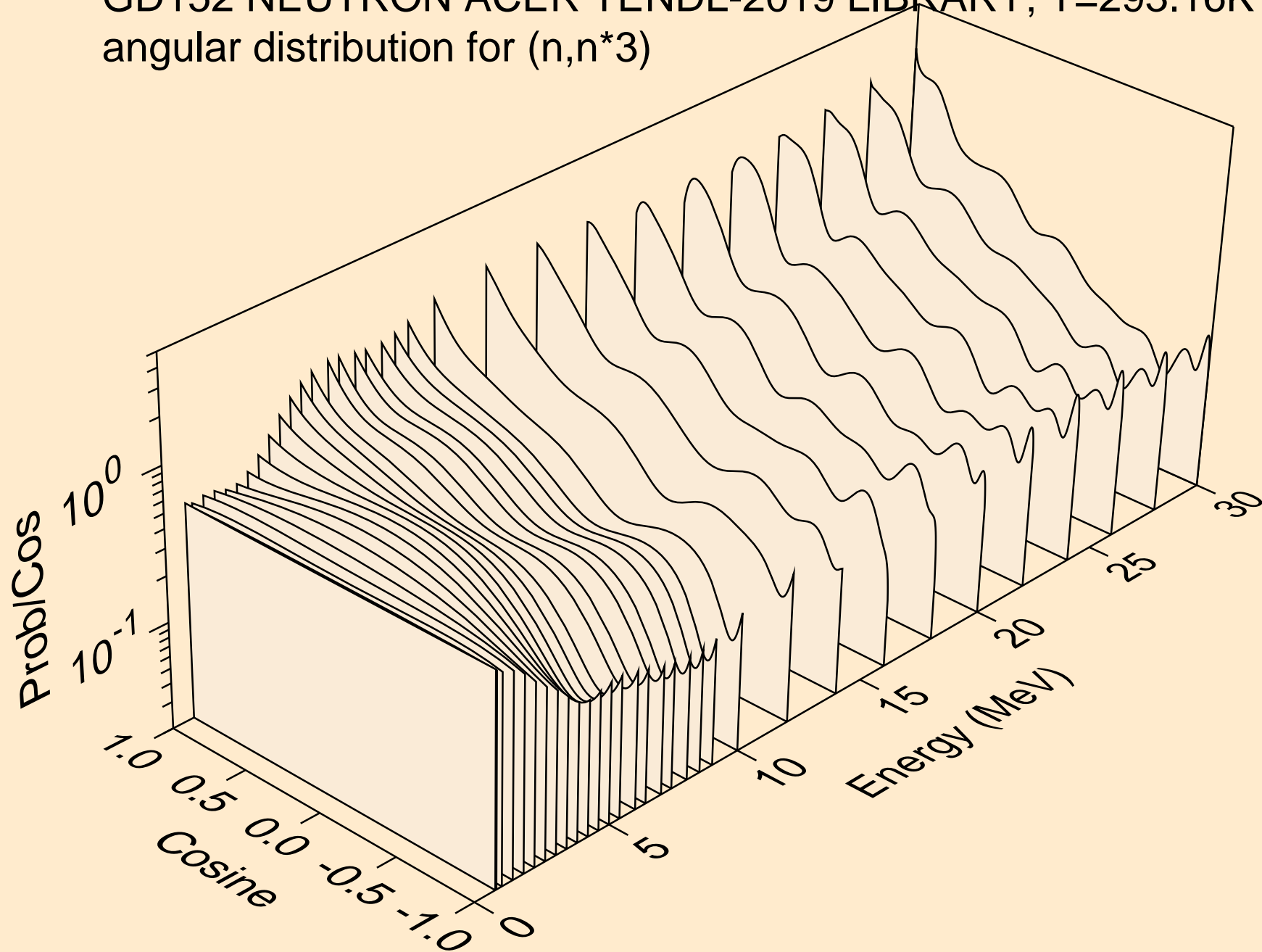




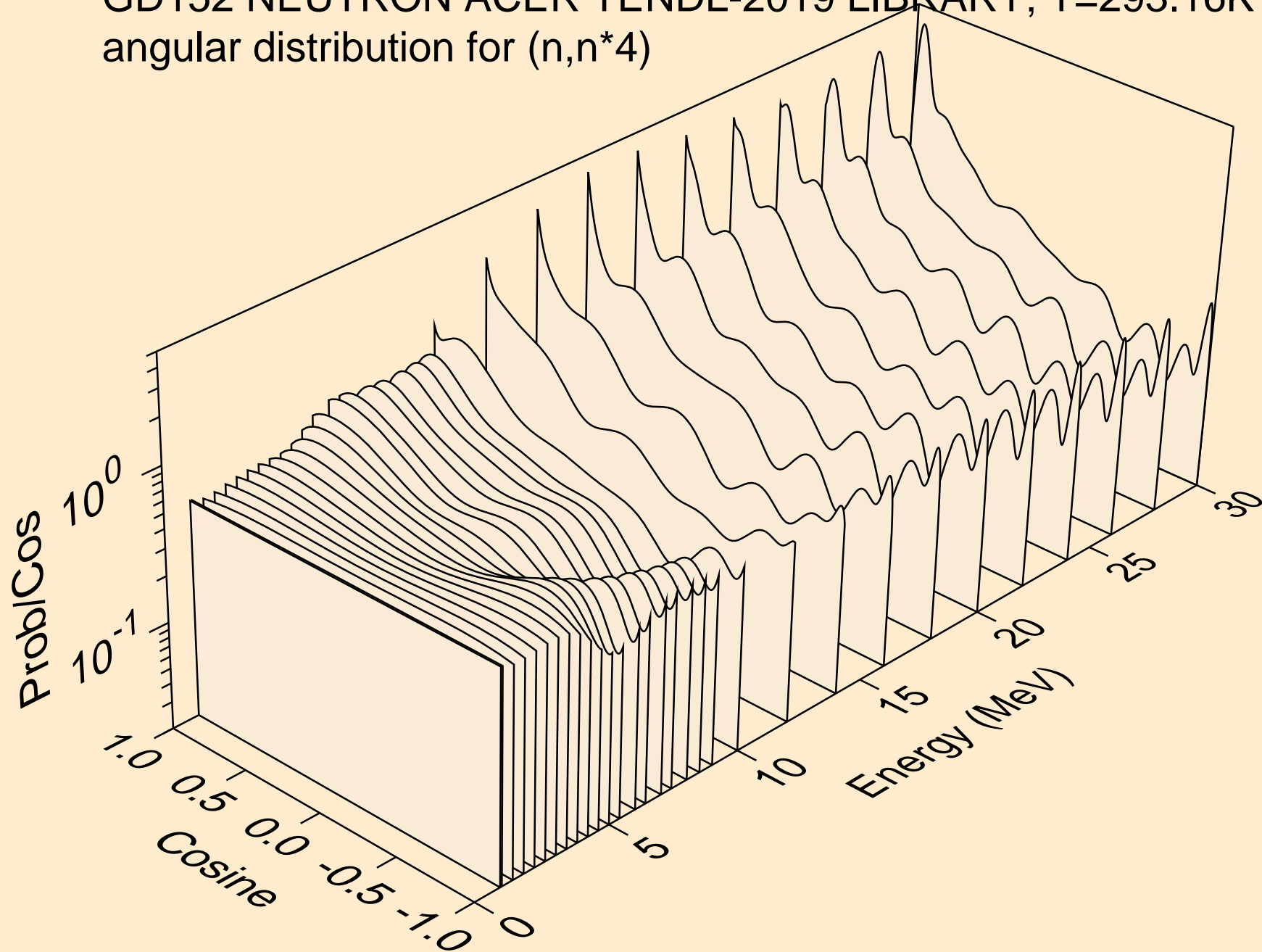
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*2)



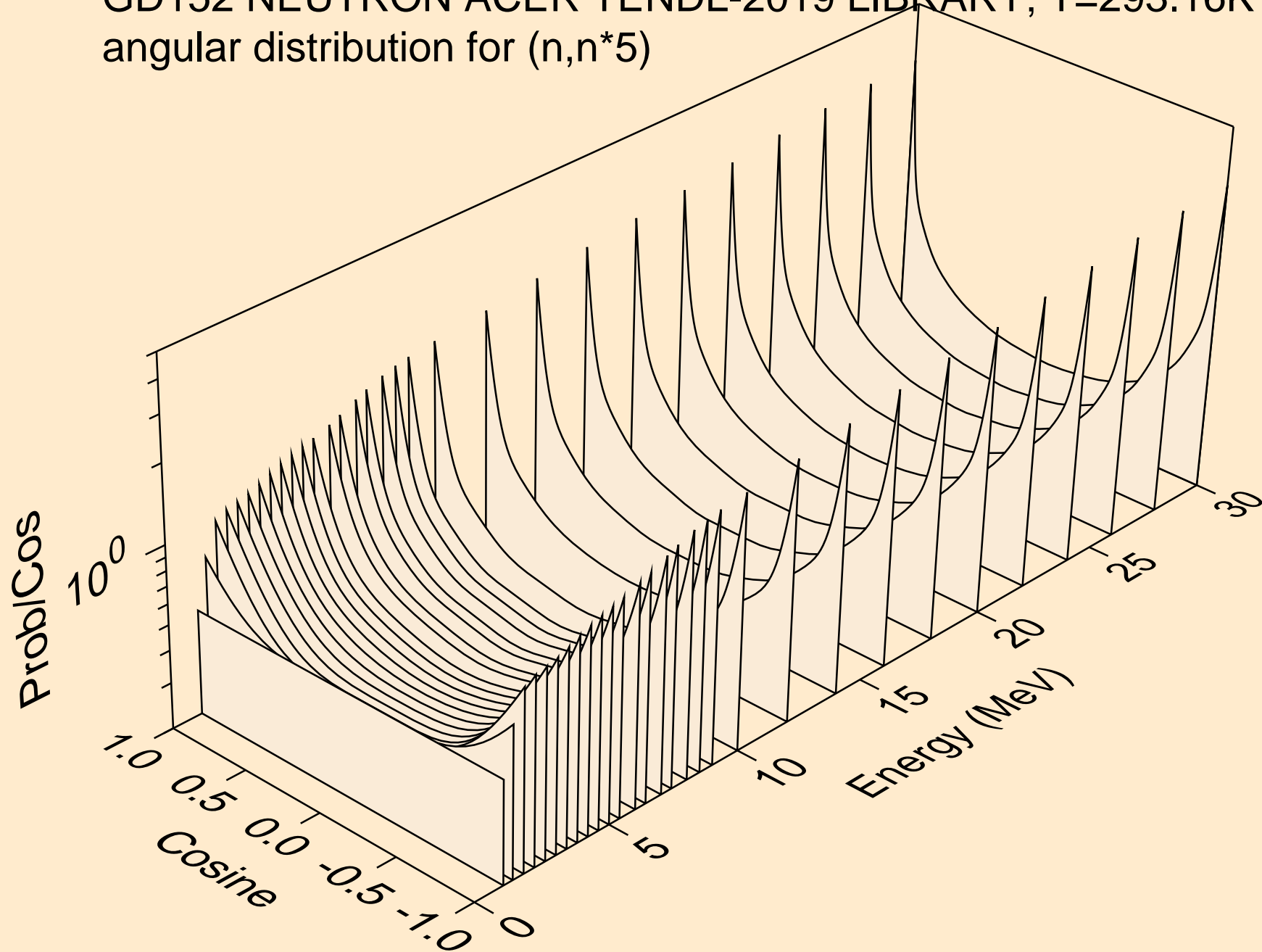
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*3)



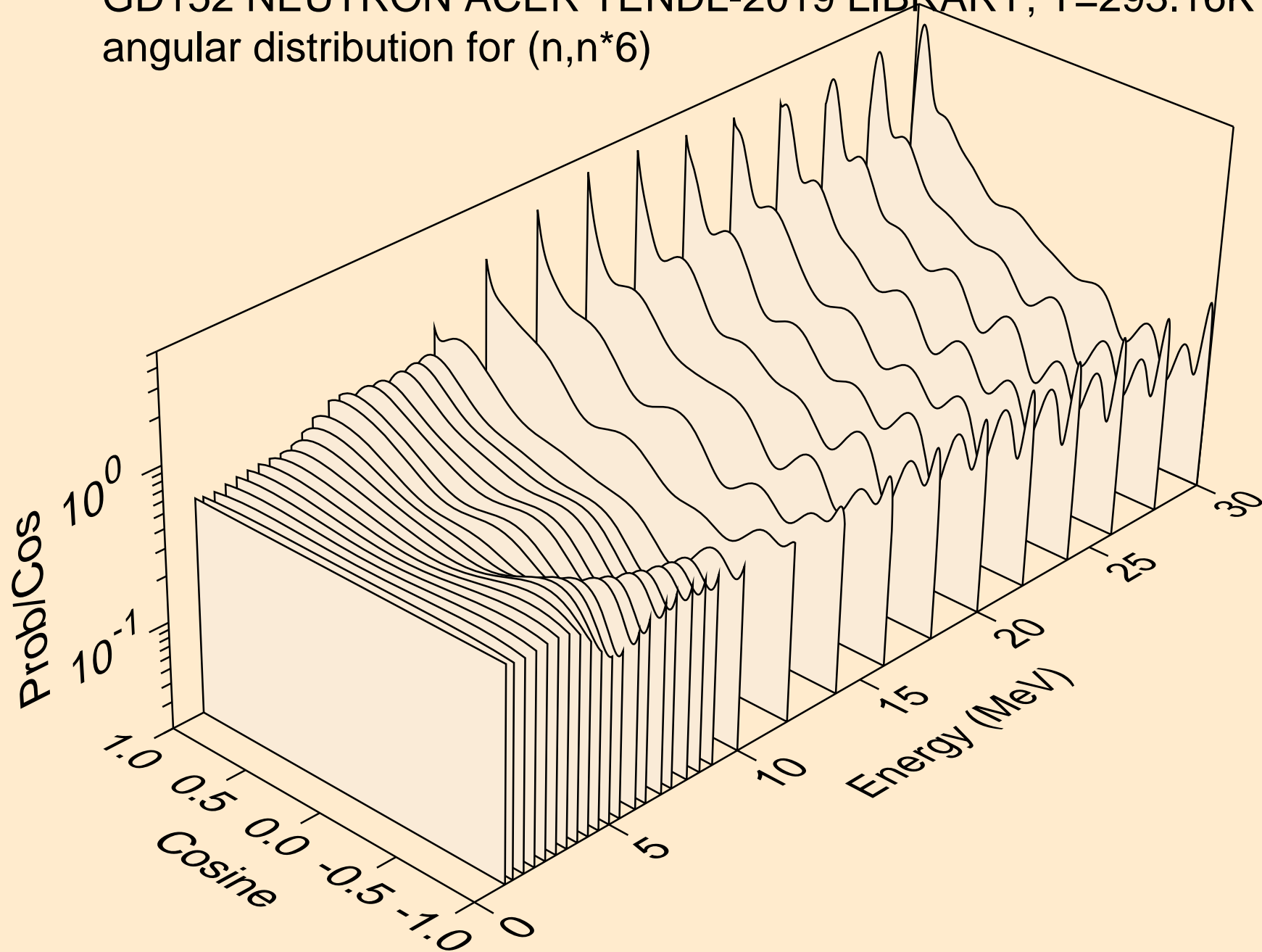
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*4)



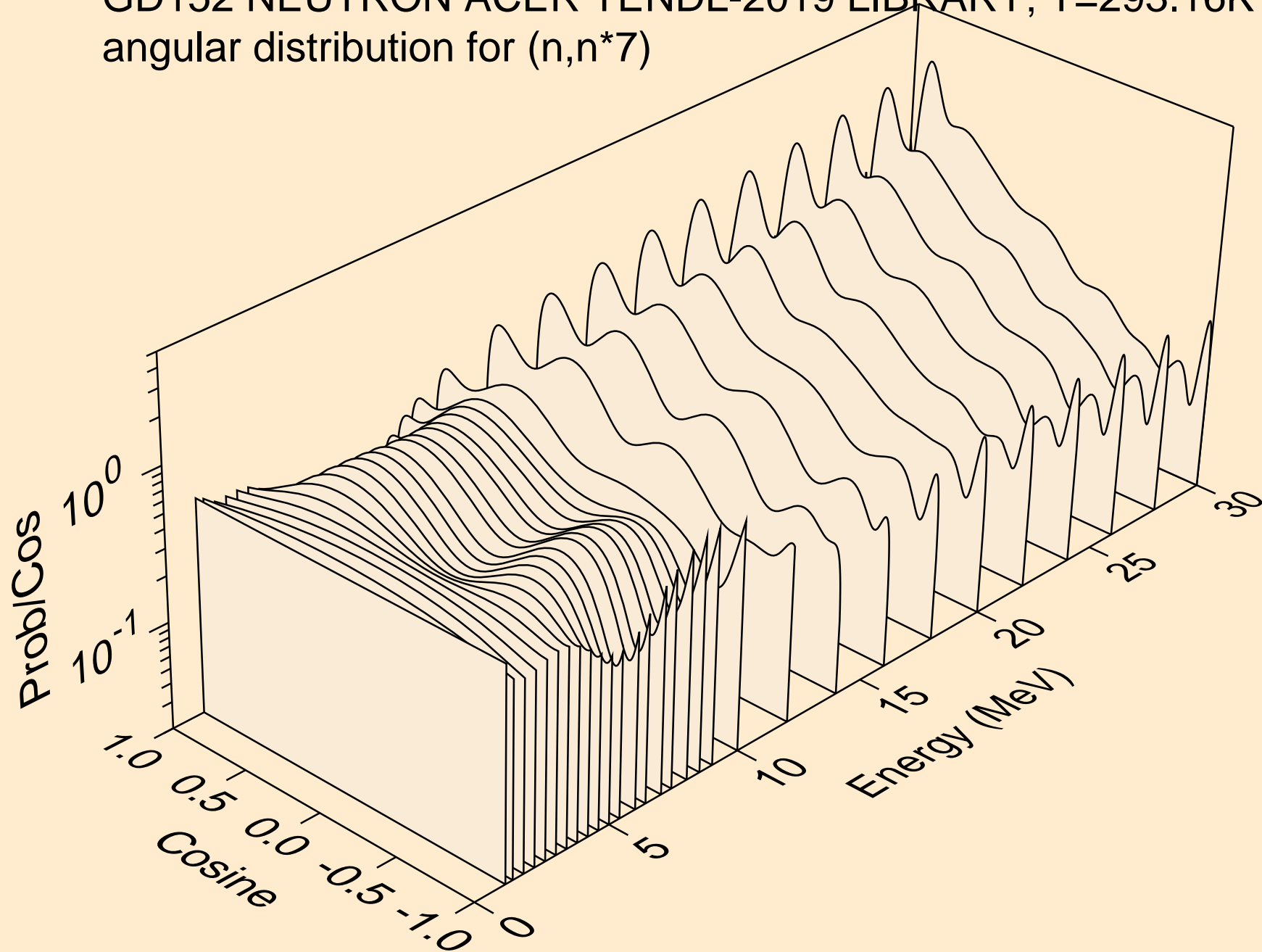
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*5)



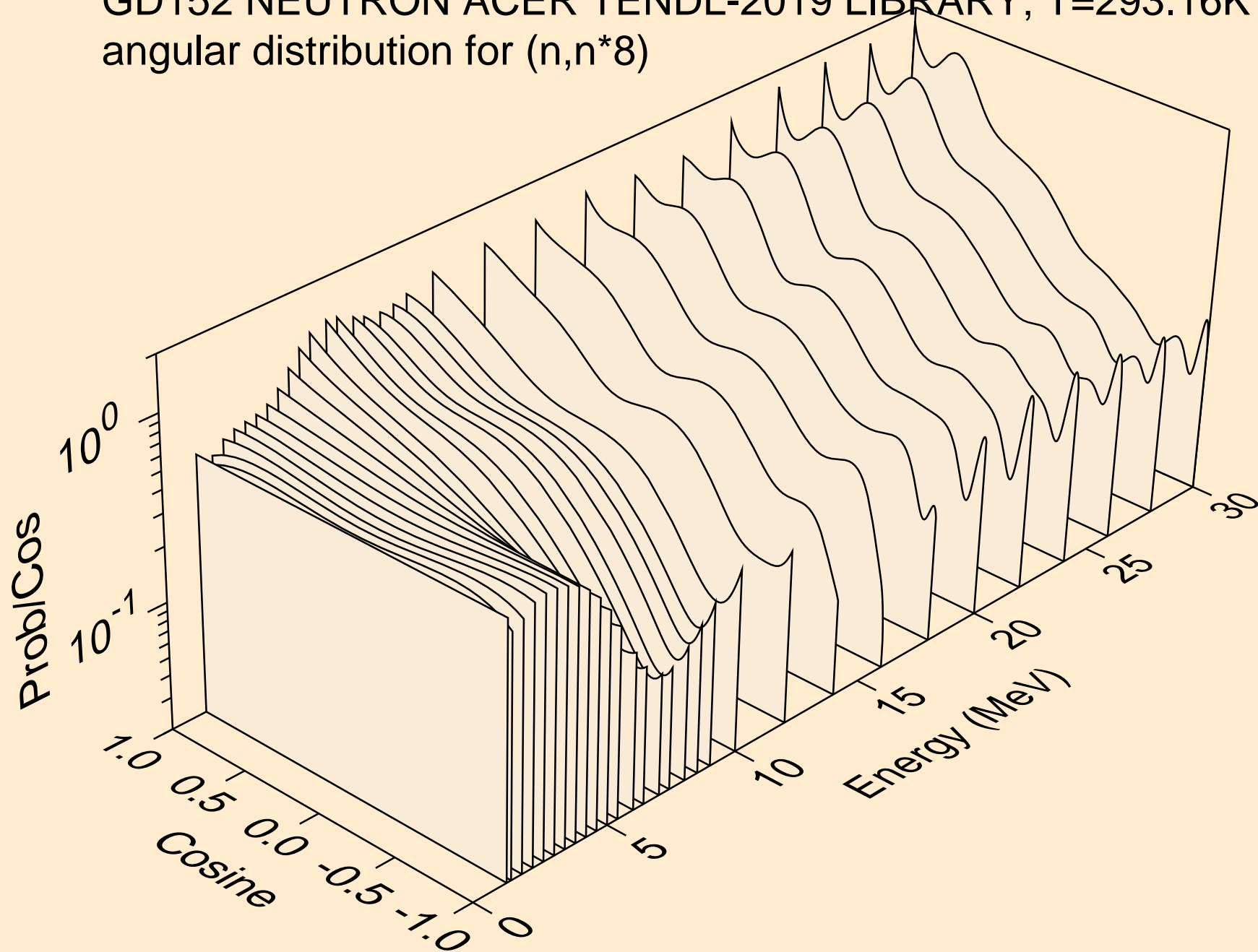
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*6)



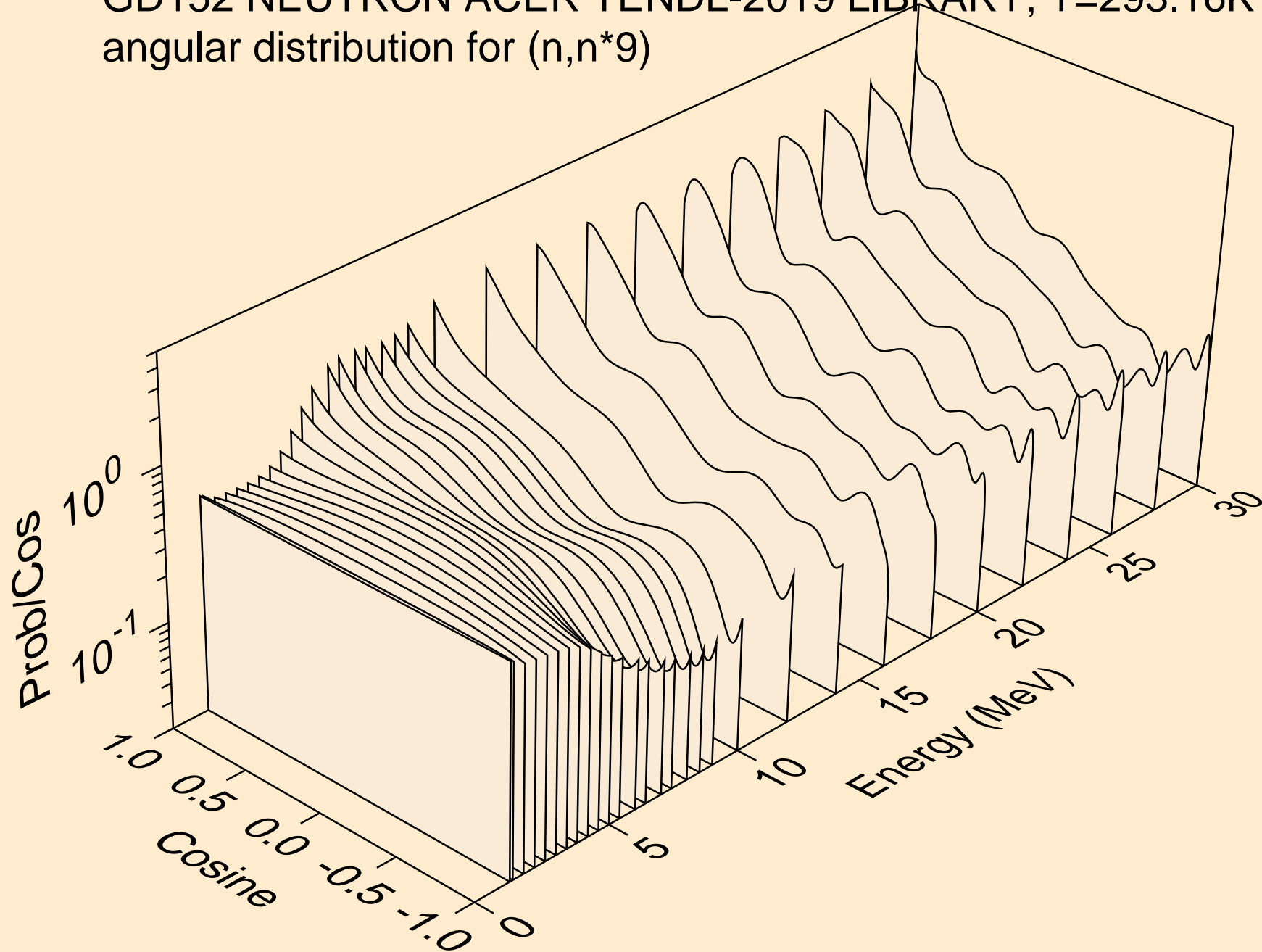
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*7)



GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*8)

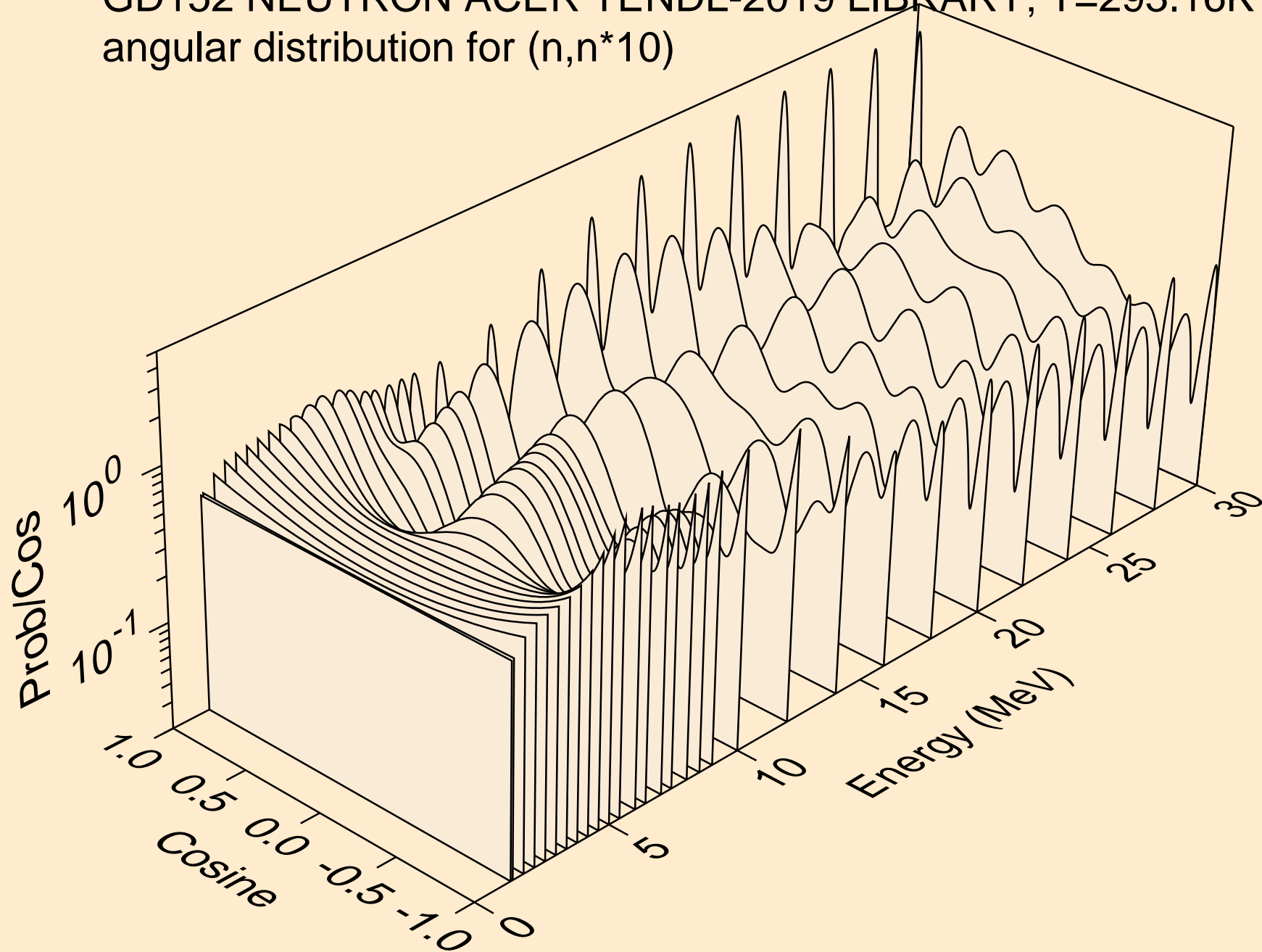


GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*9)

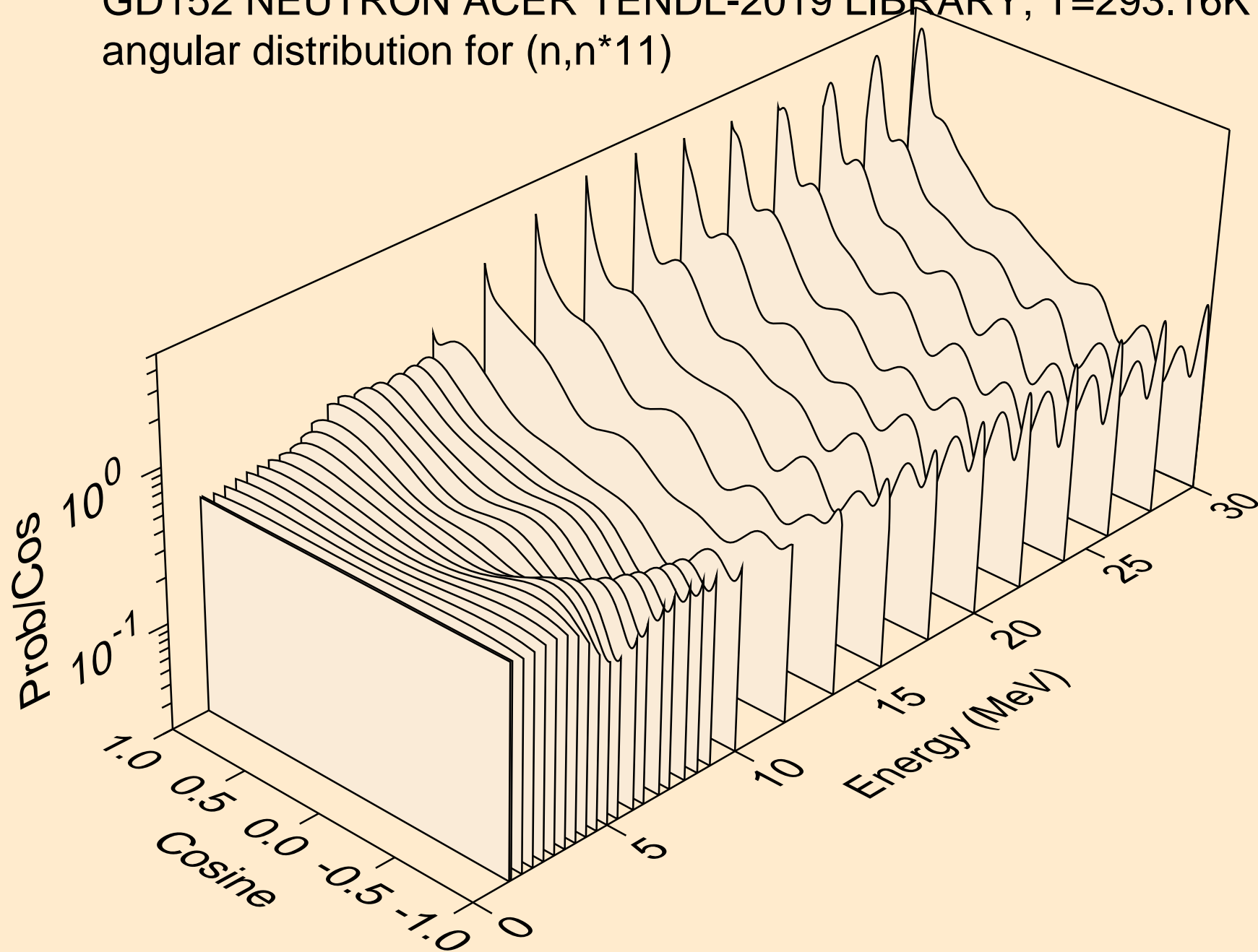




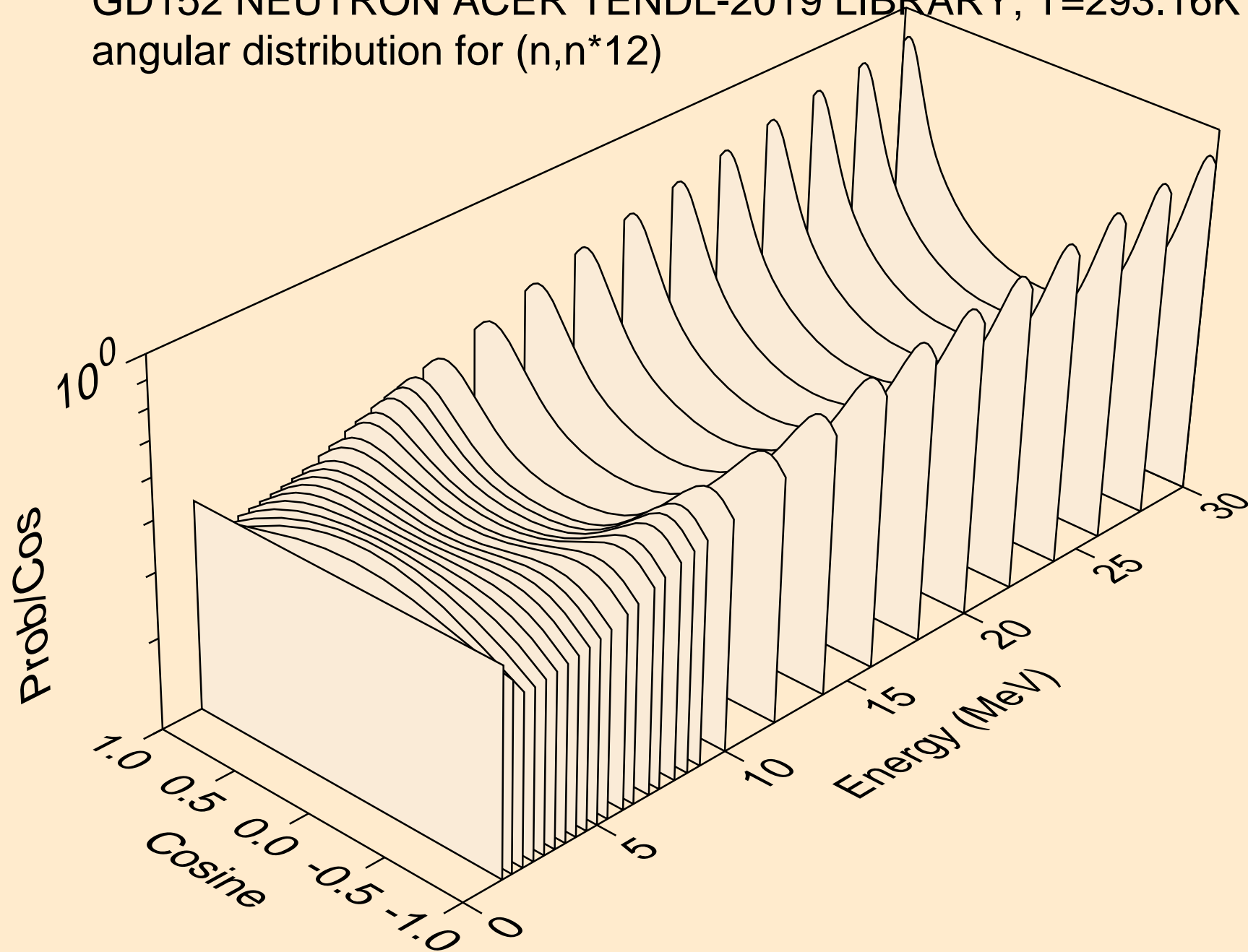
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*10)



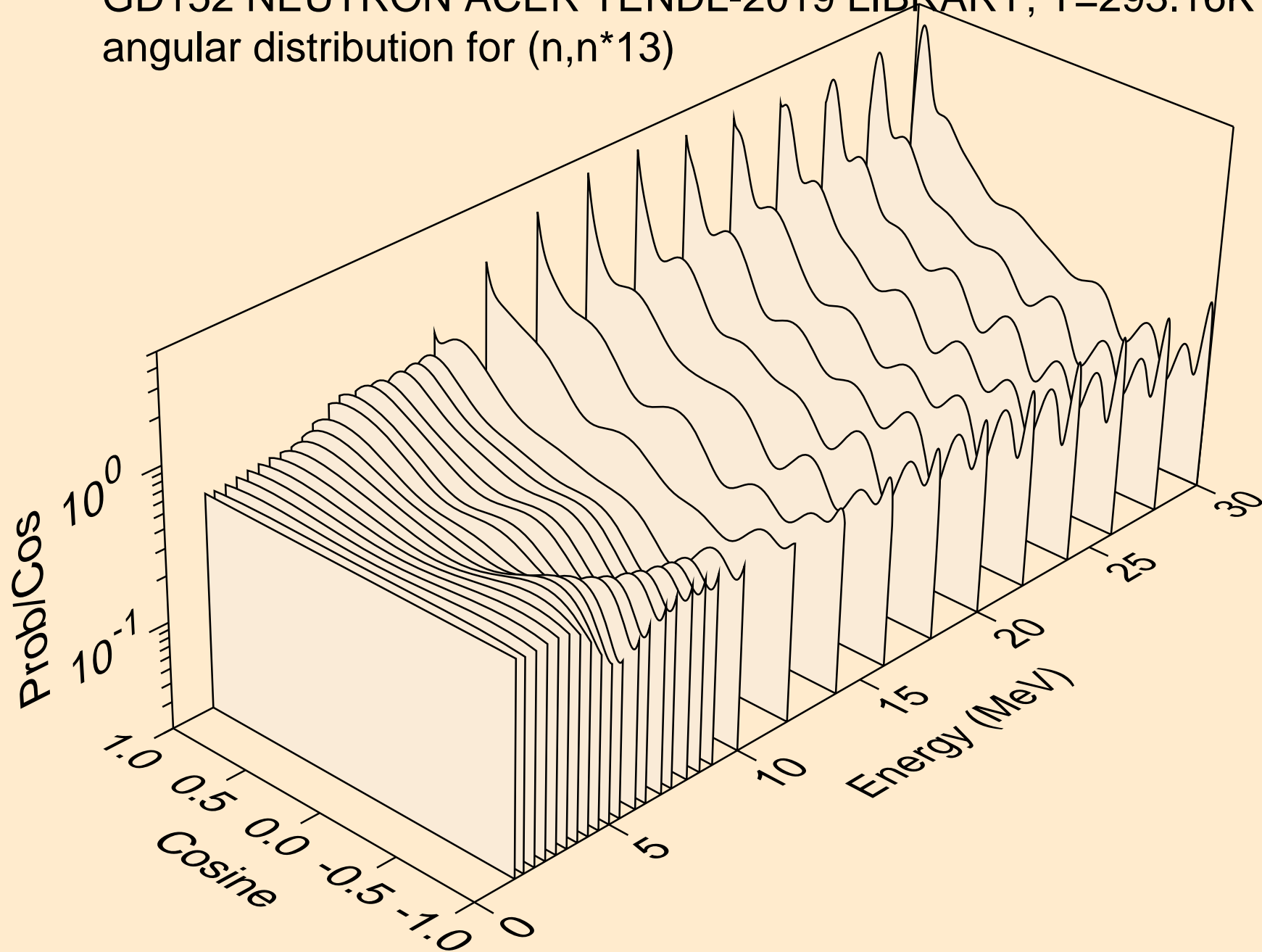
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*11)



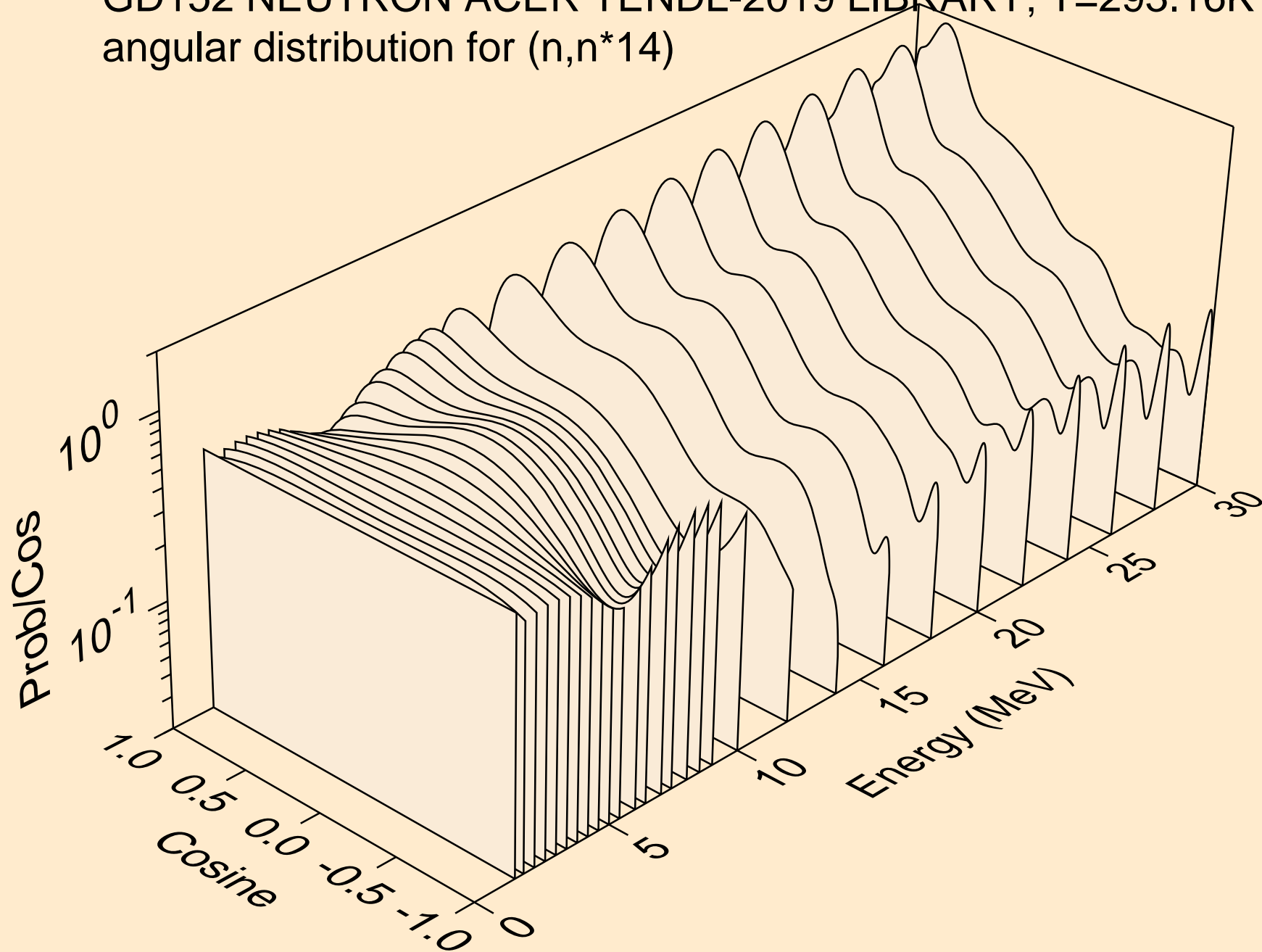
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*12)



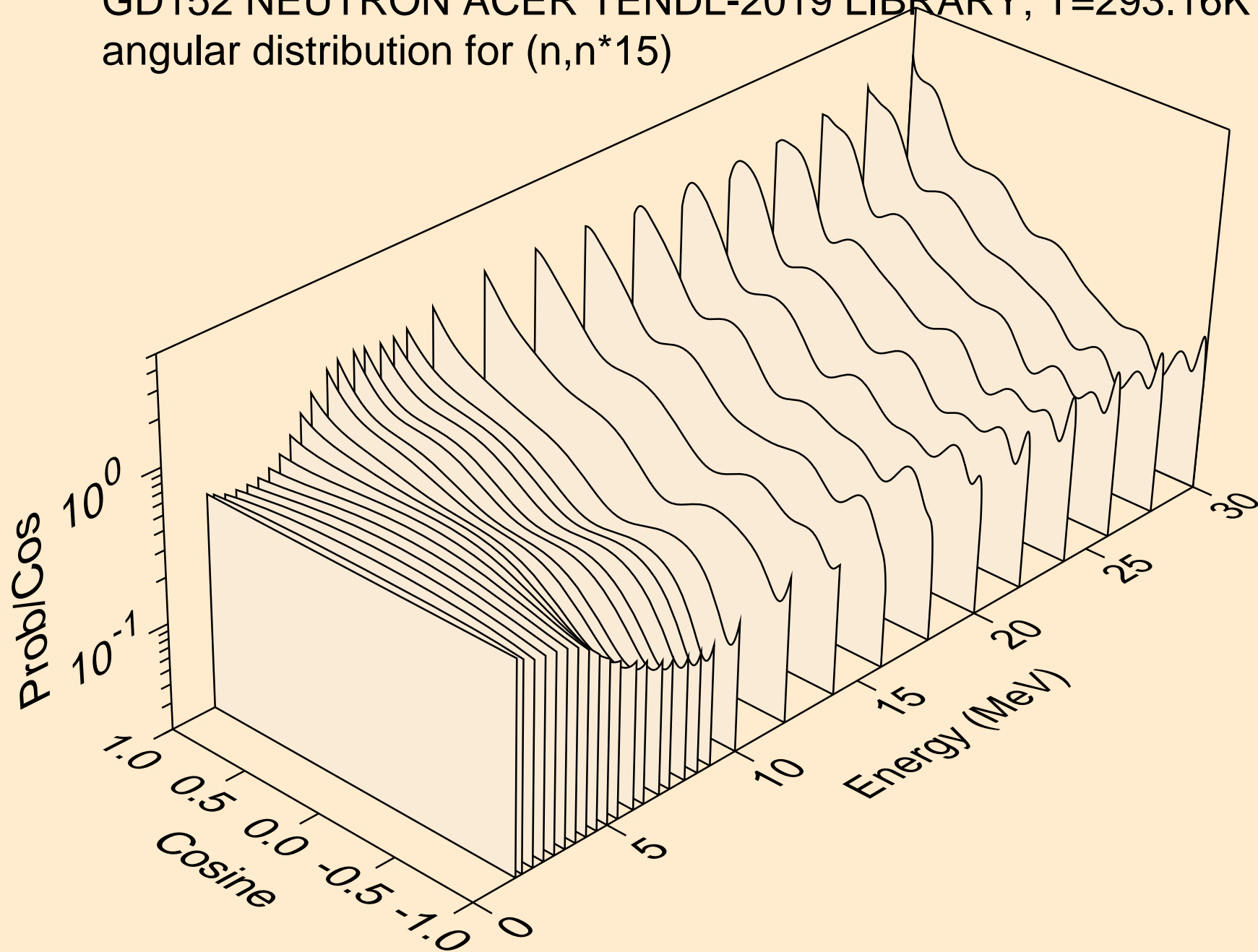
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*13)



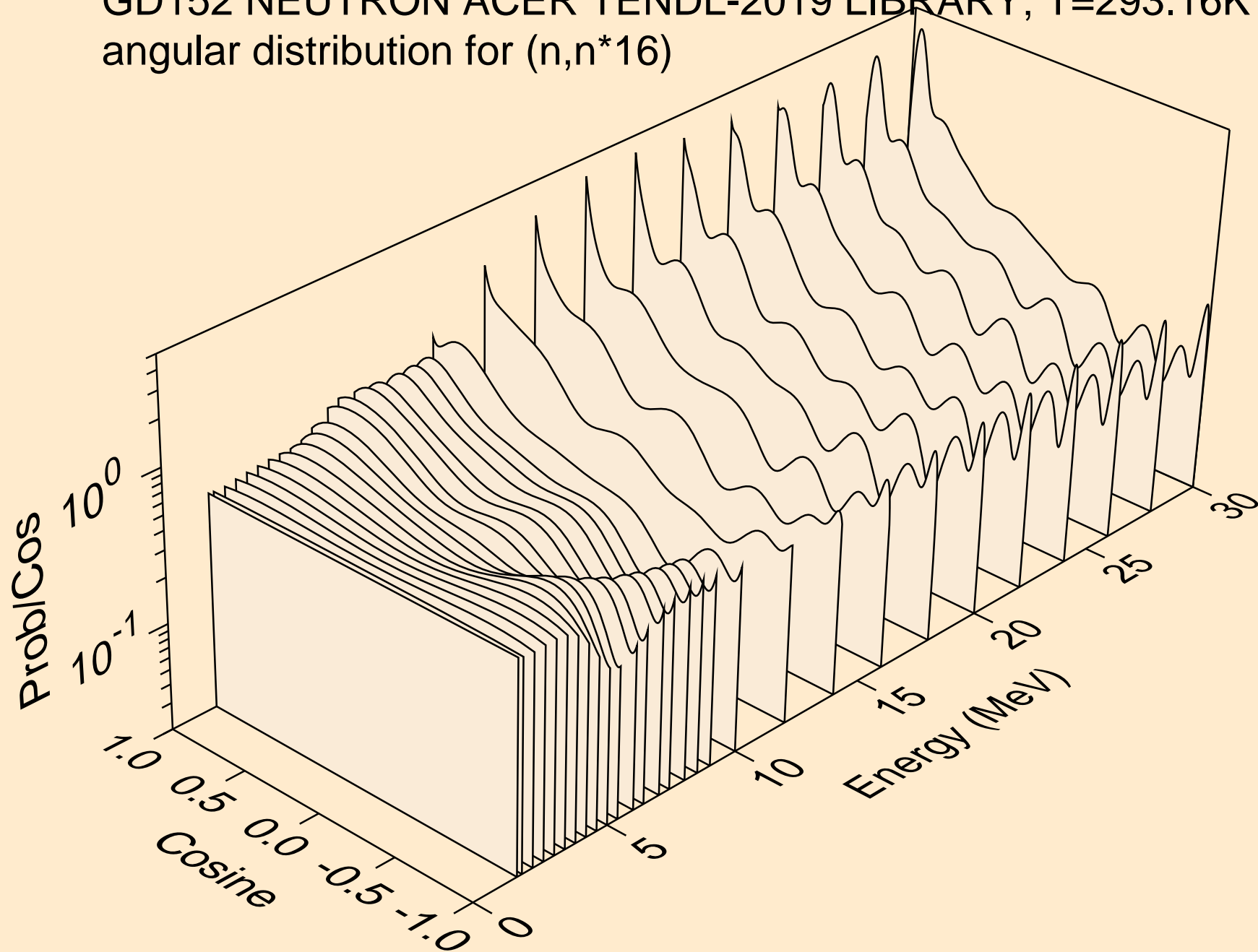
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*14)



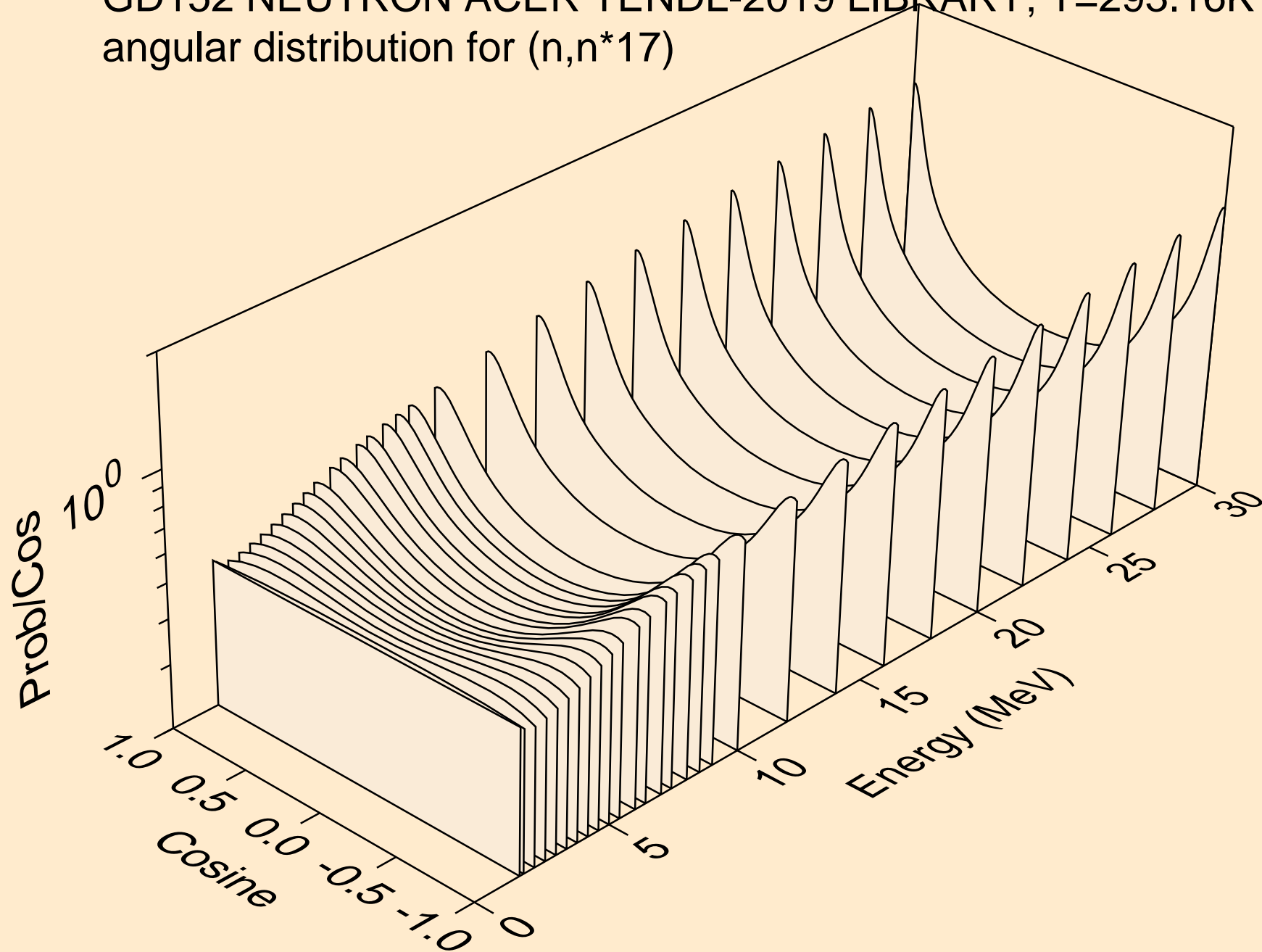
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*15)



GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*16)

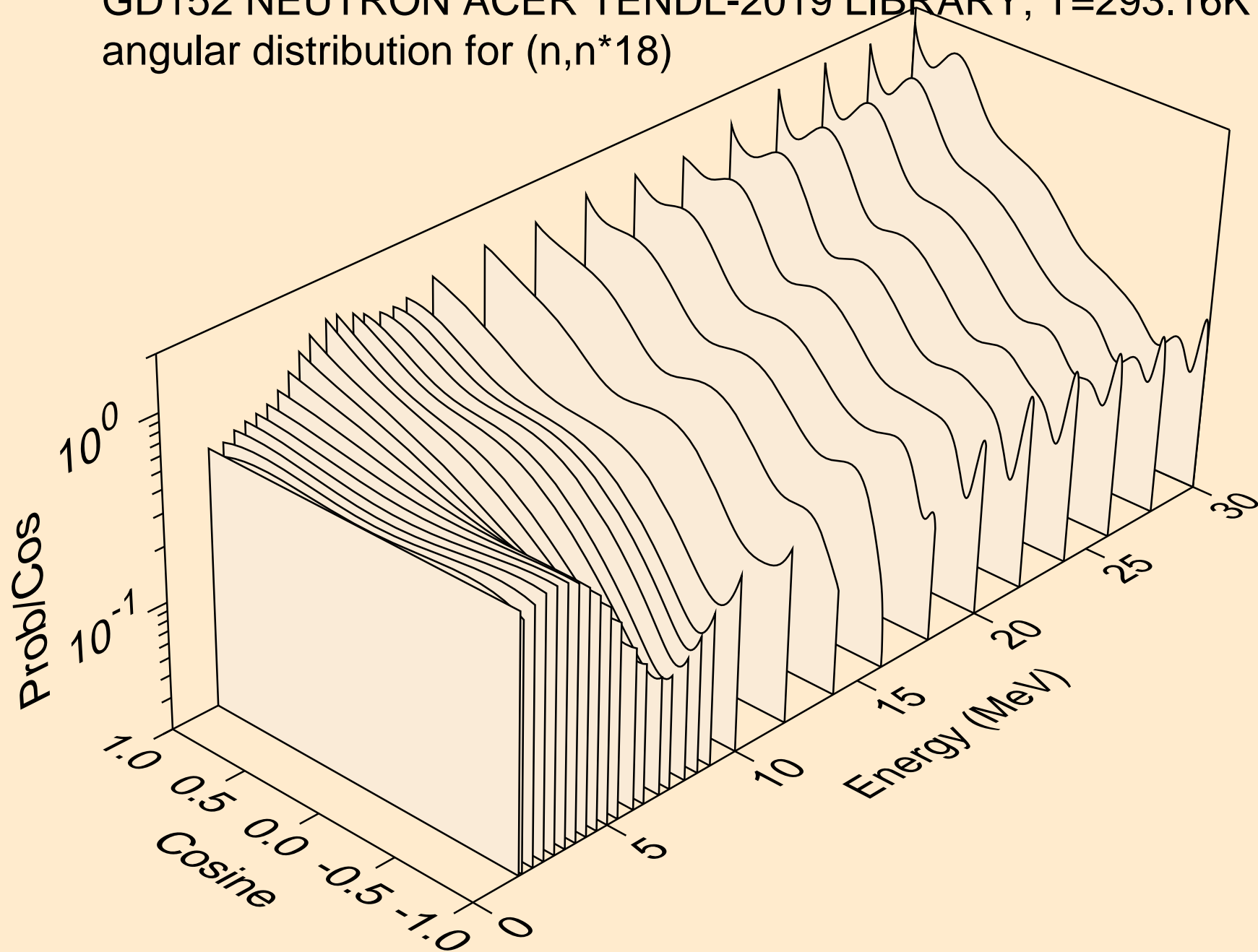


GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*17)

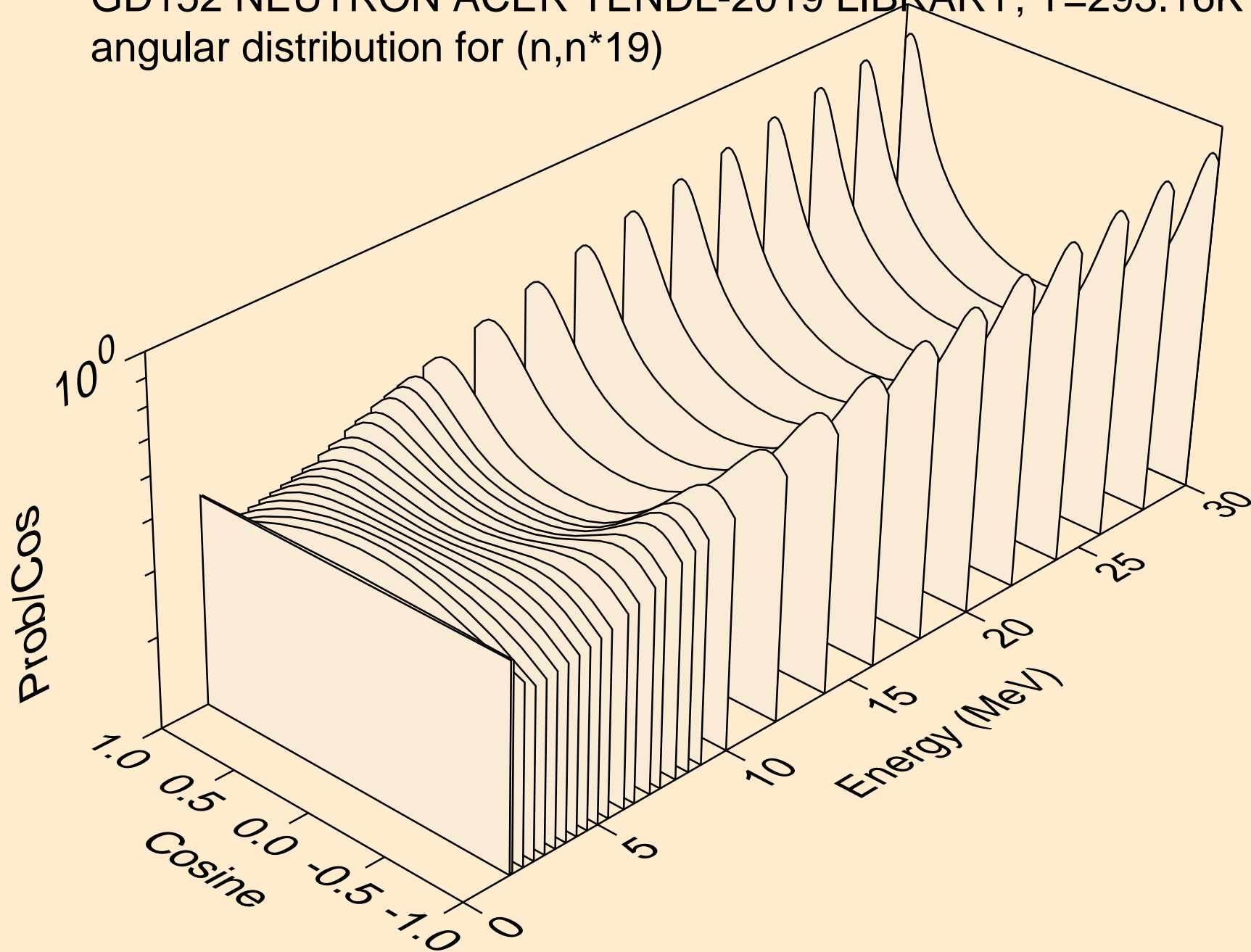




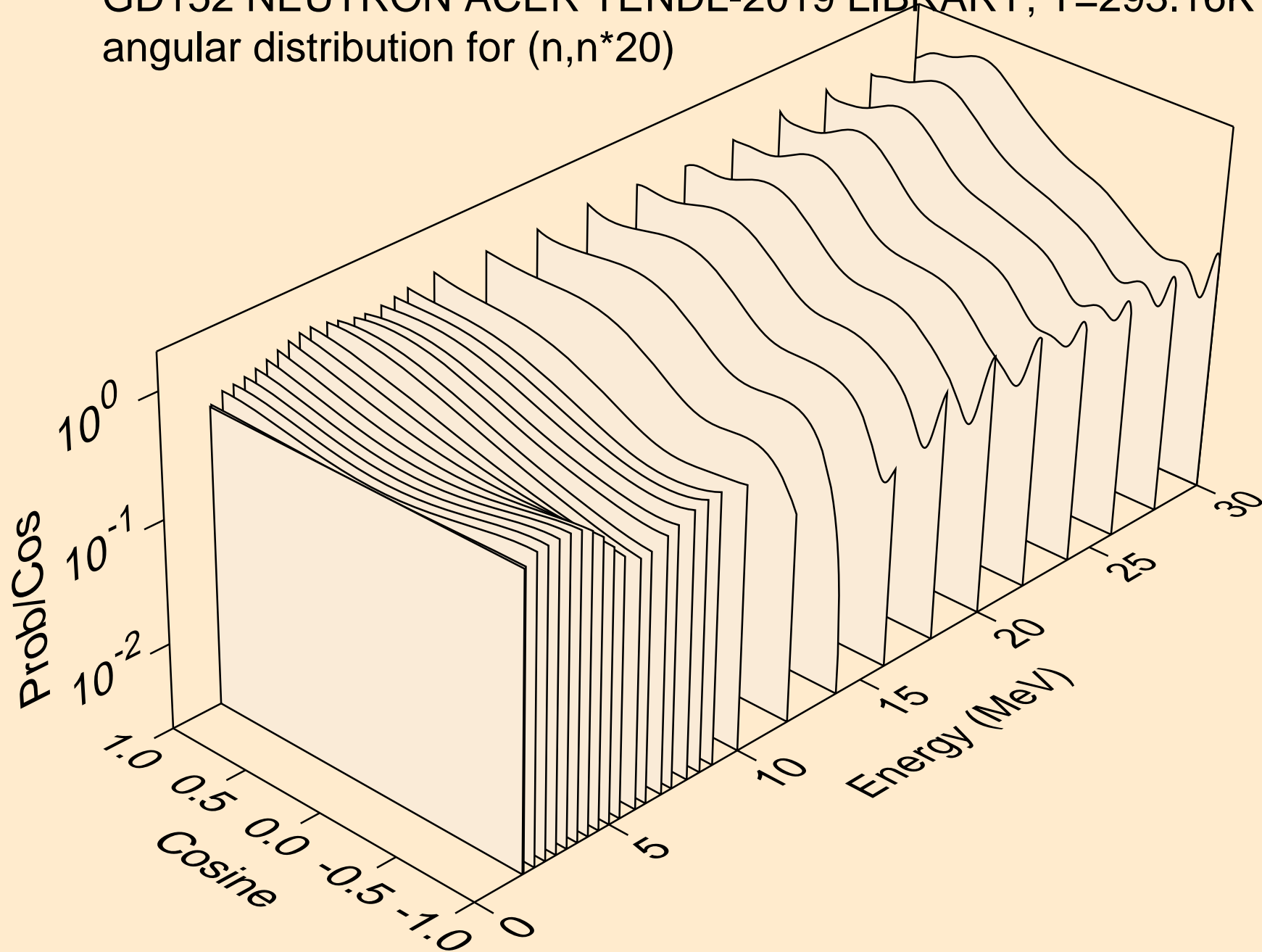
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*18)



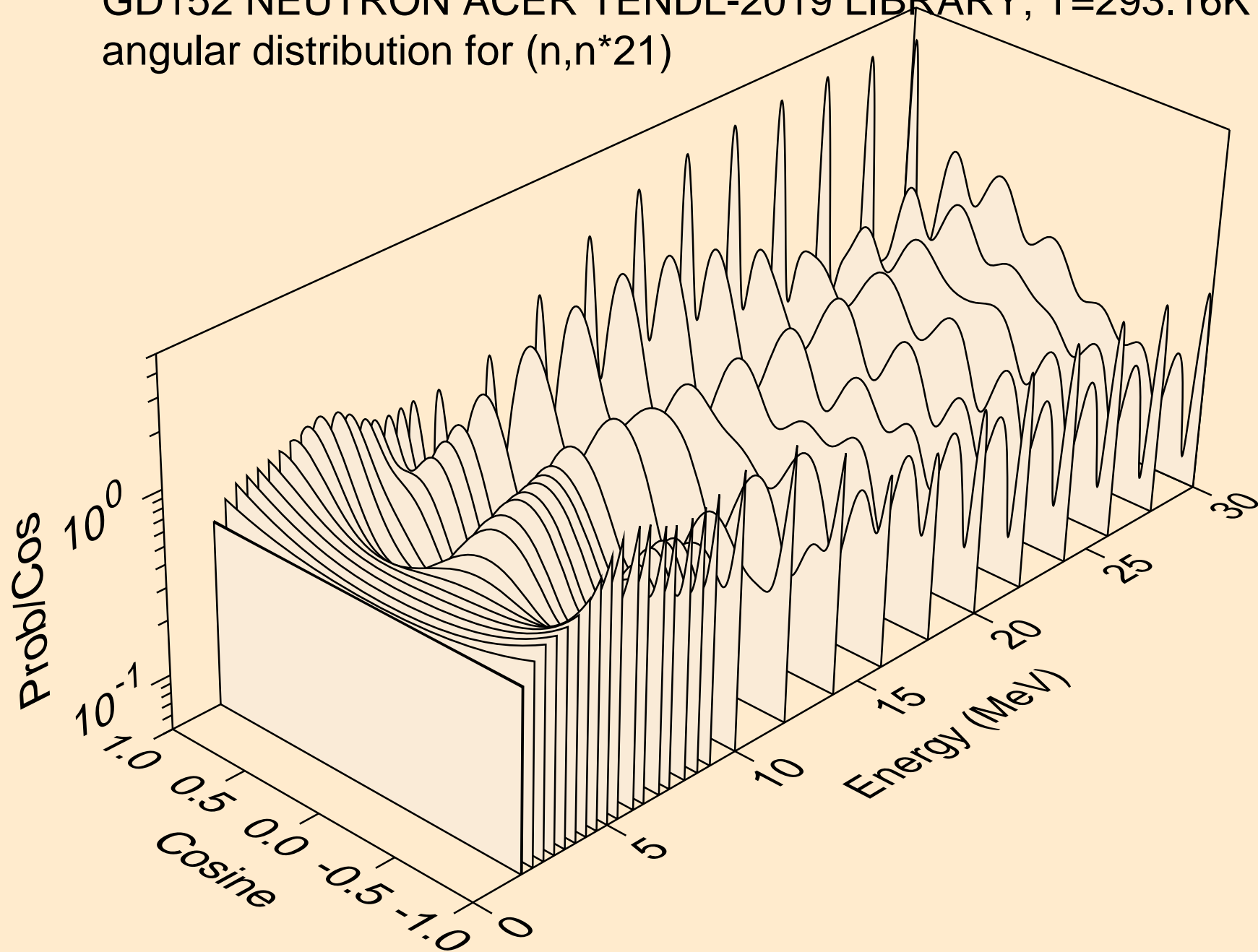
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*19)



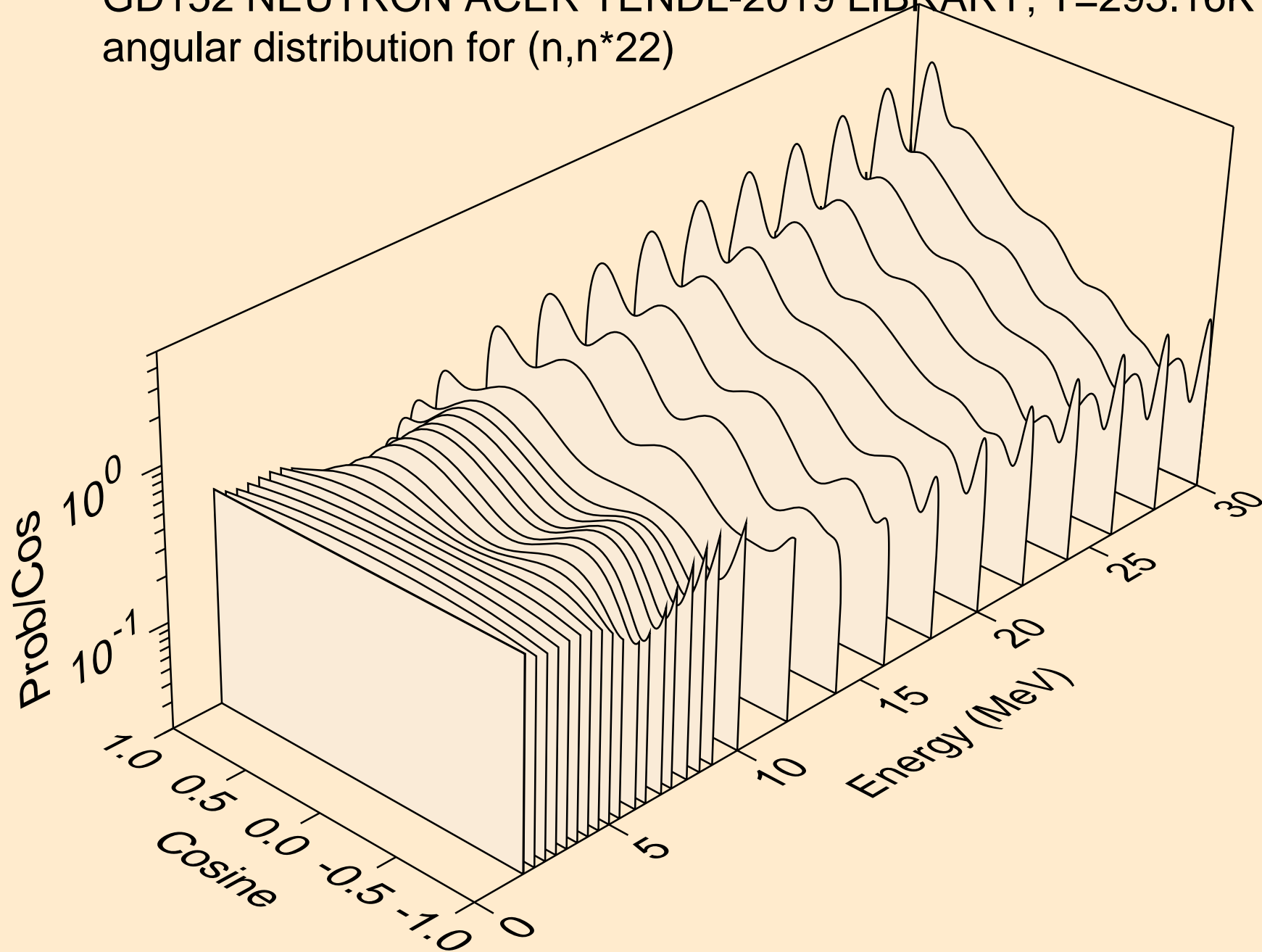
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*20)



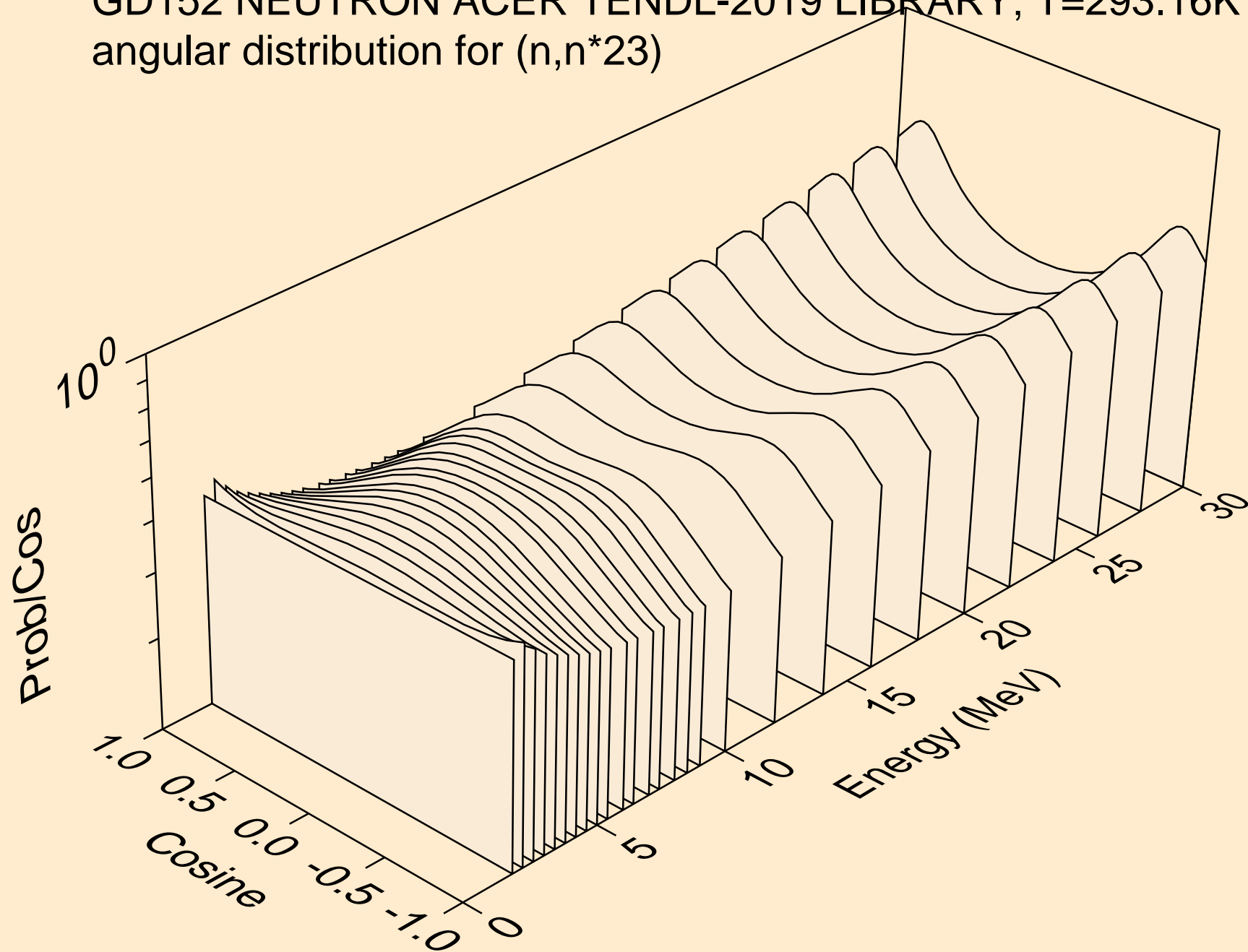
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*21)



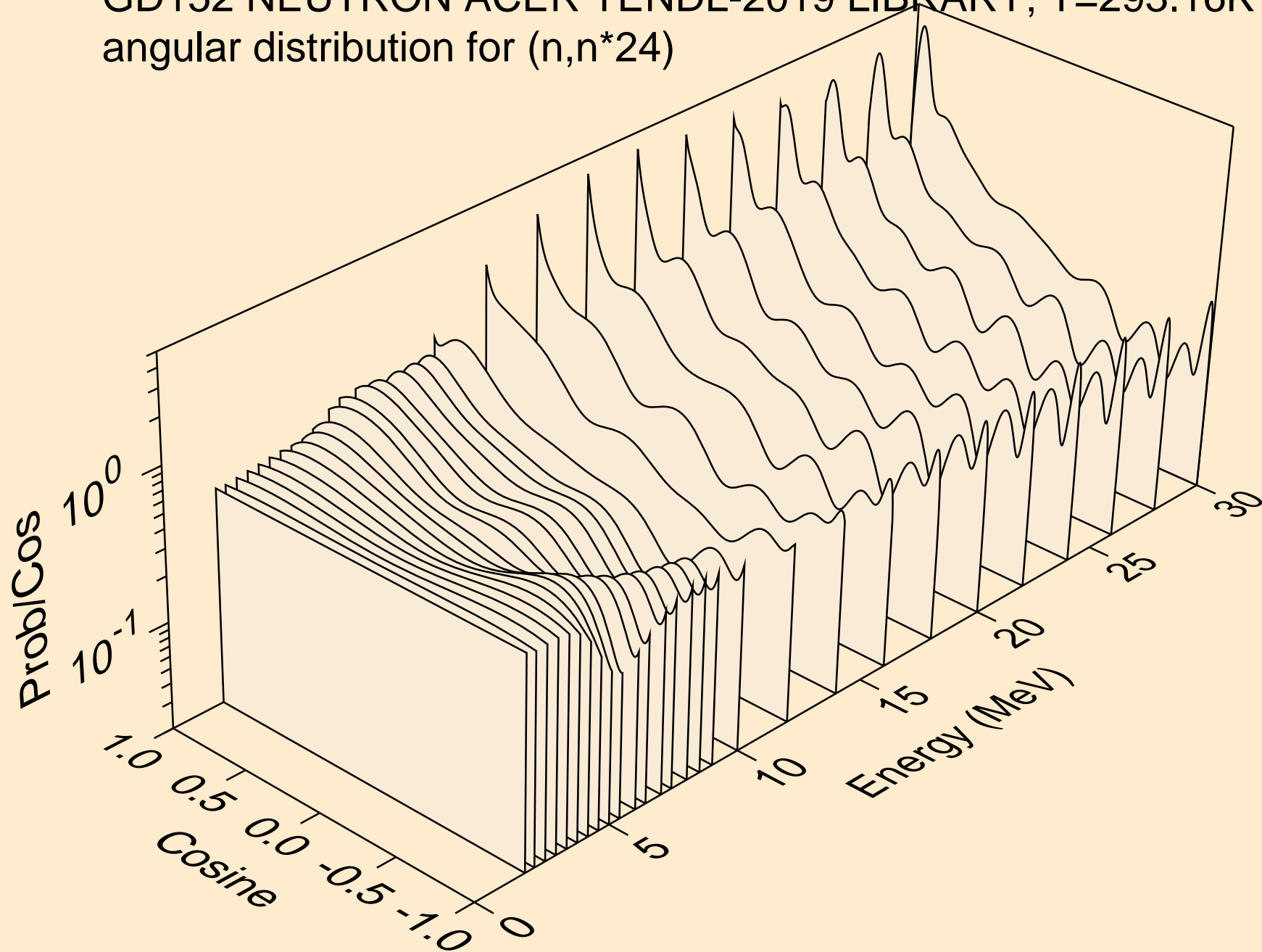
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*22)



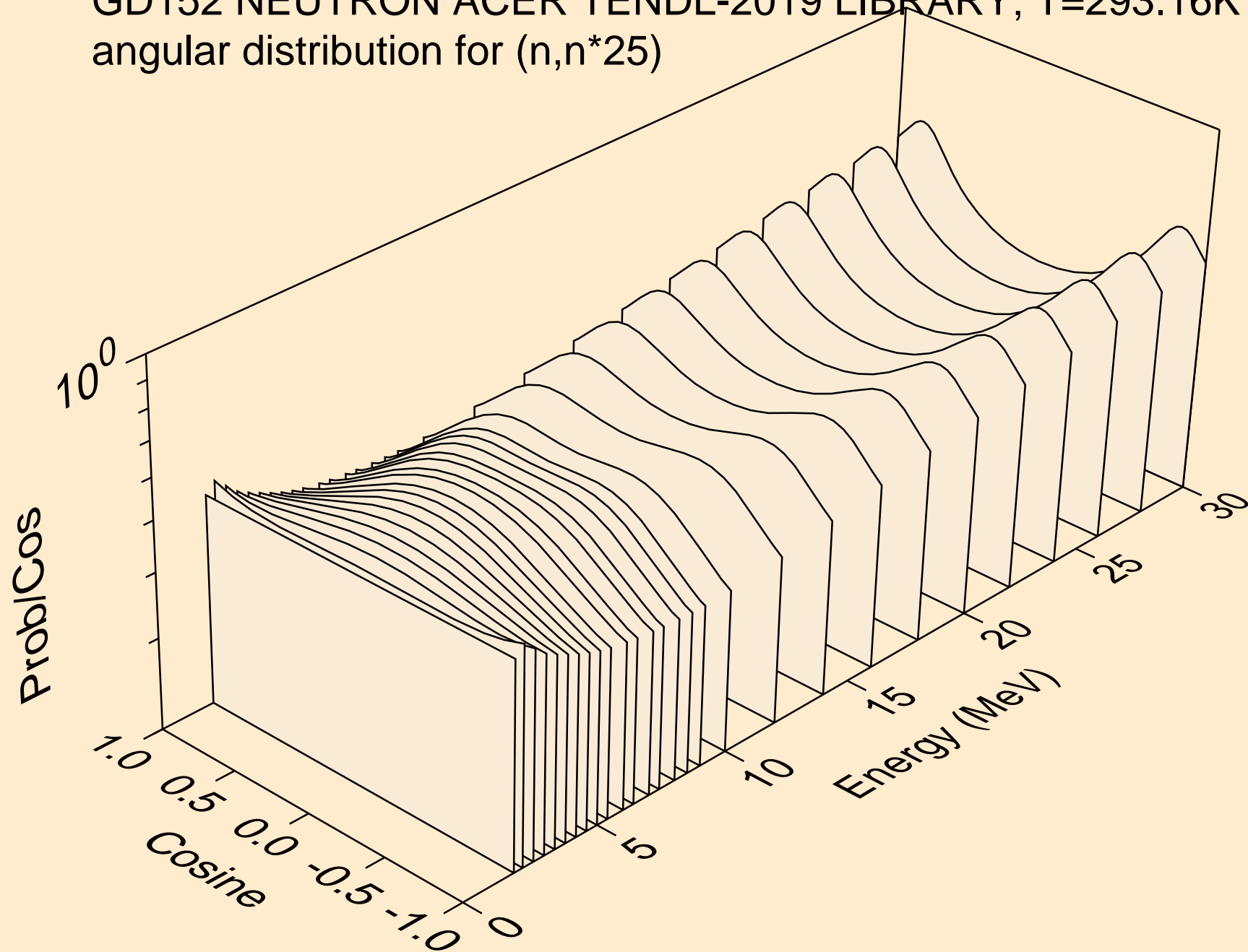
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*23)



GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*24)

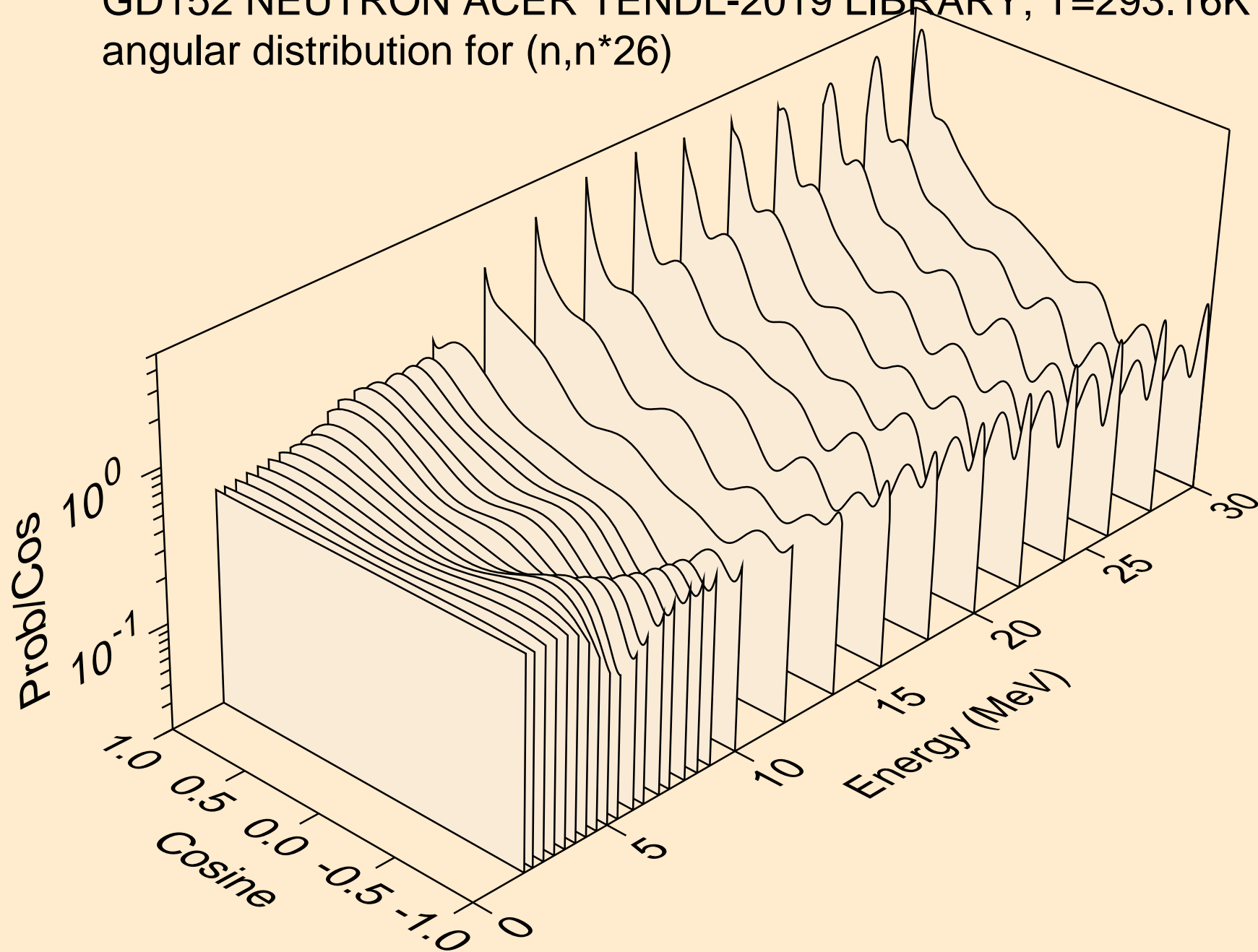


GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*25)

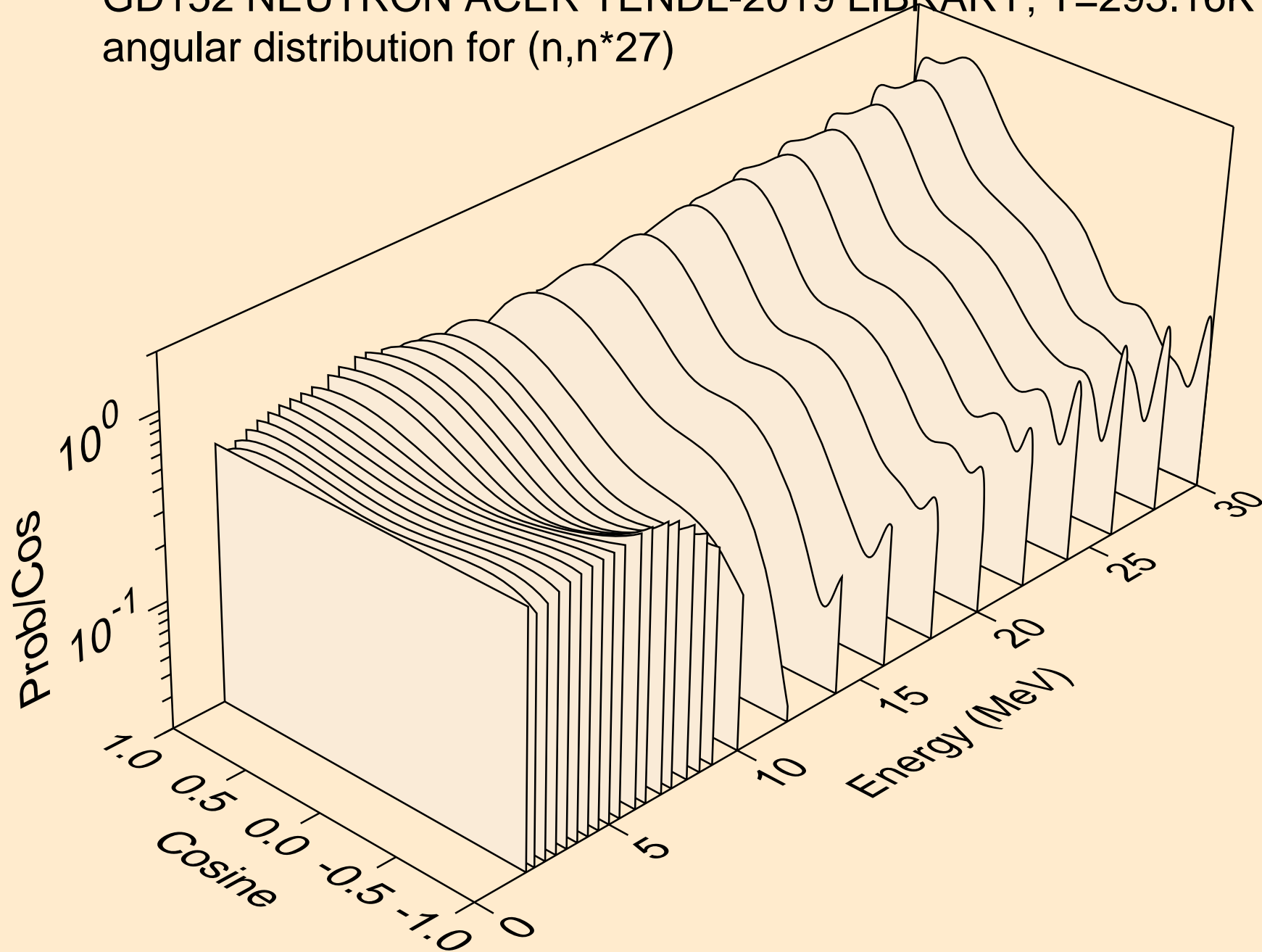




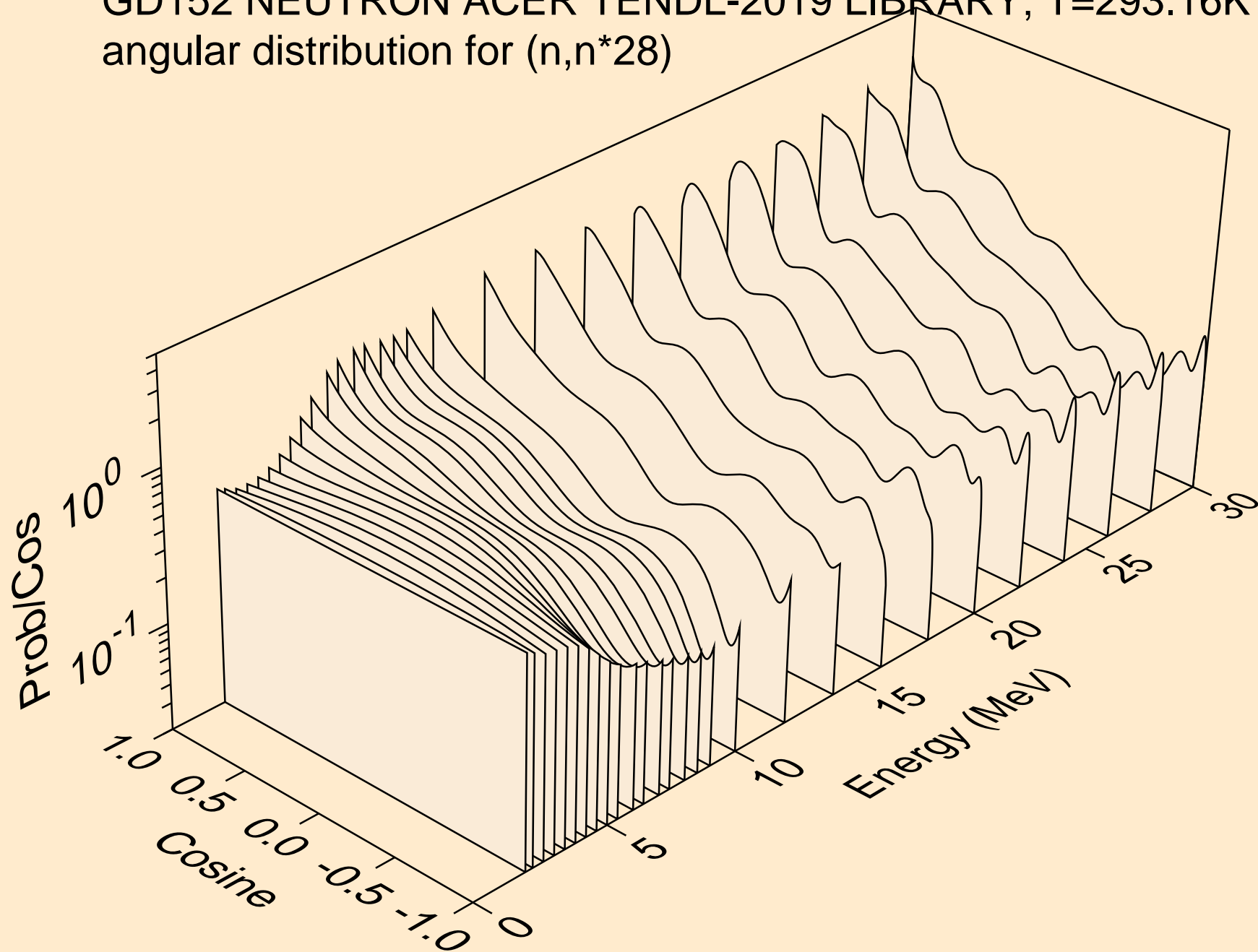
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*26)



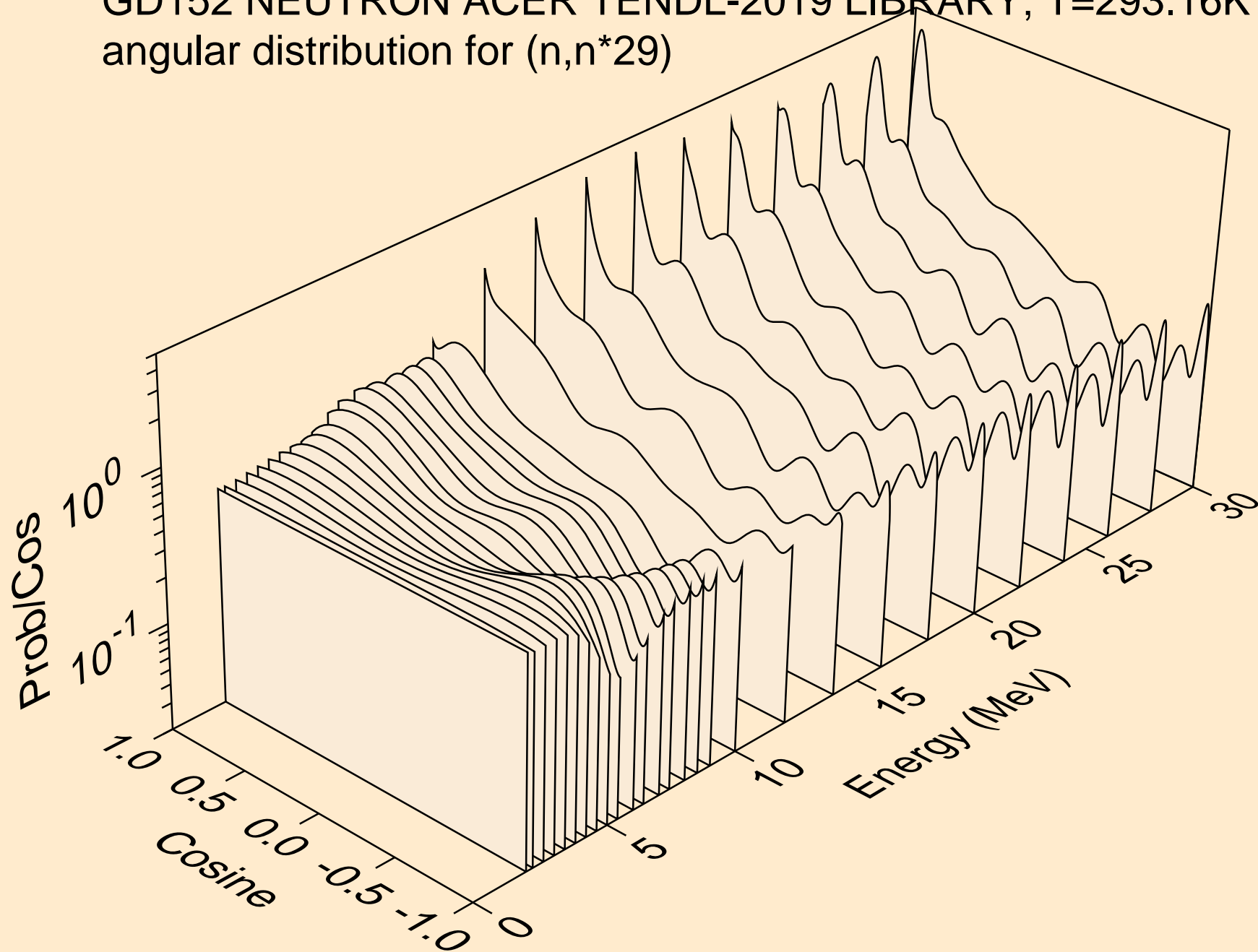
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*27)



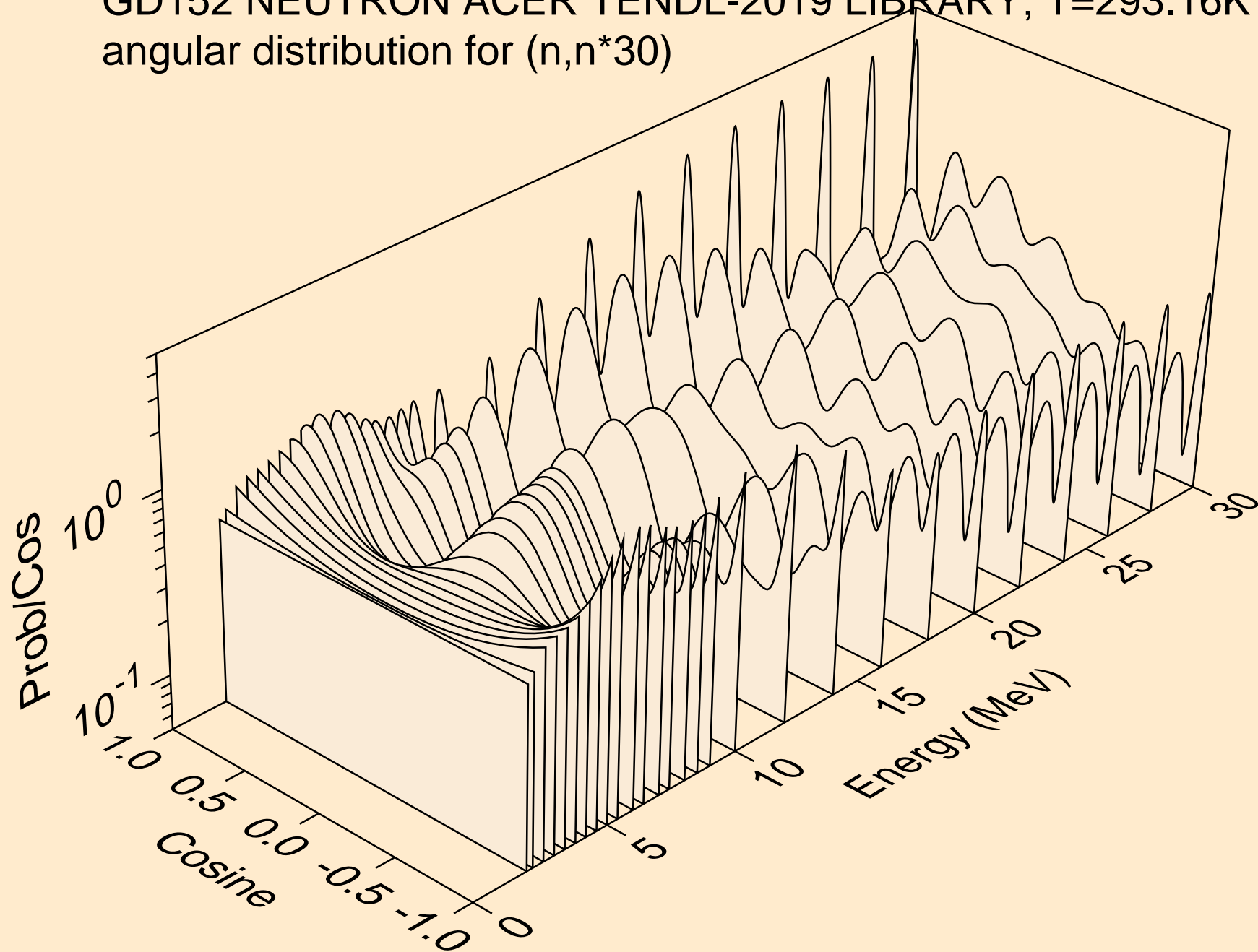
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*28)



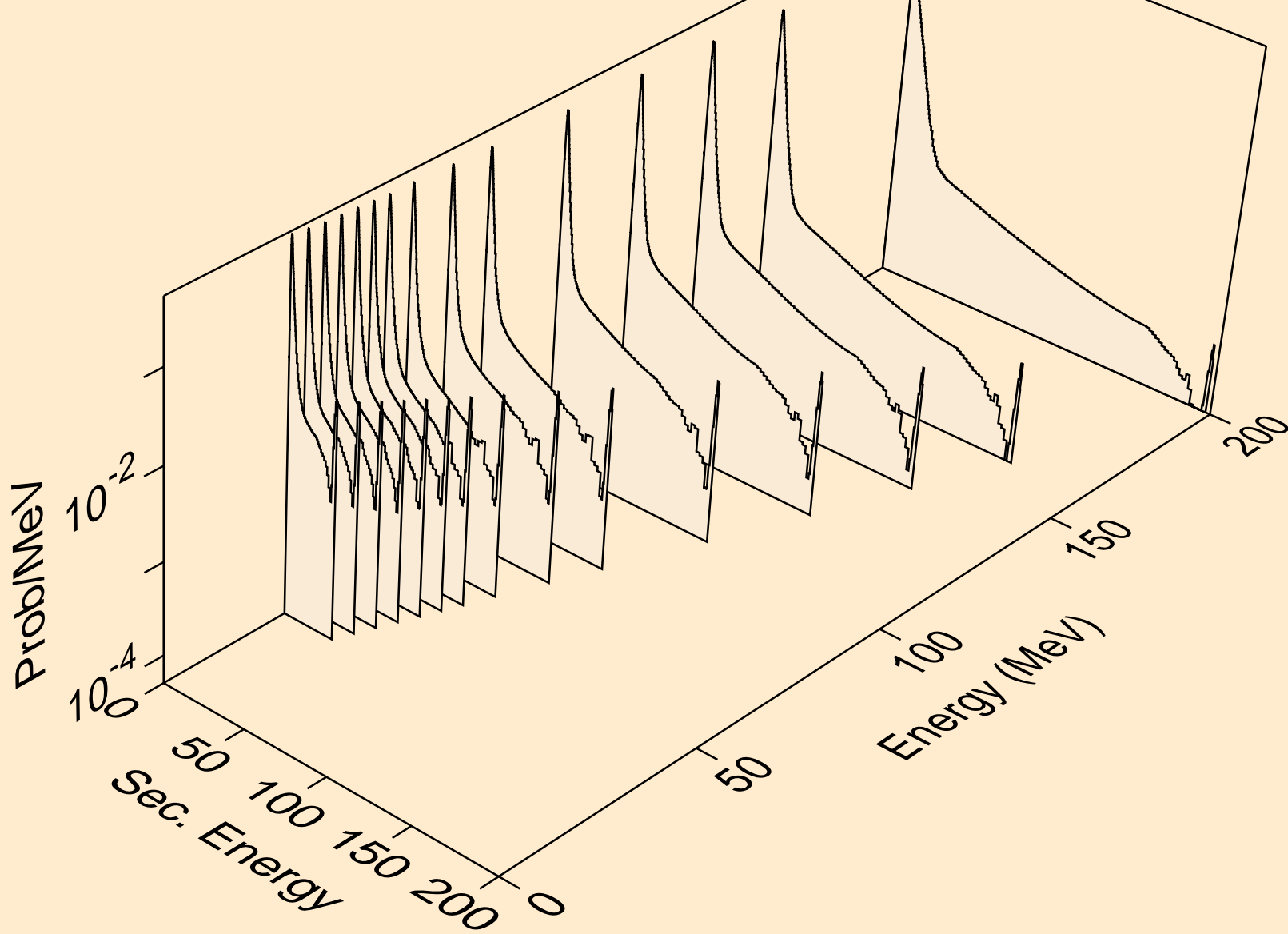
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*29)



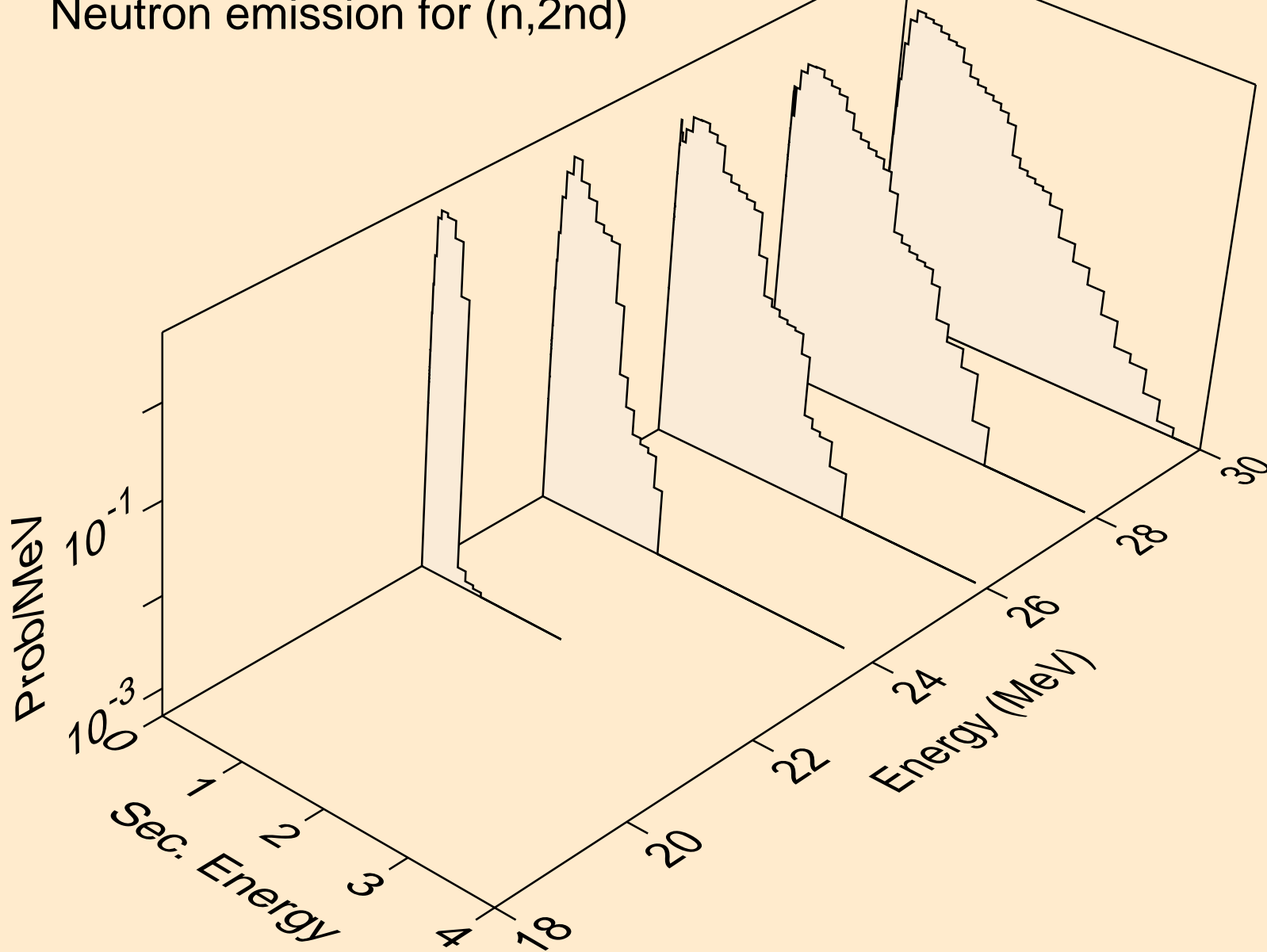
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*30)



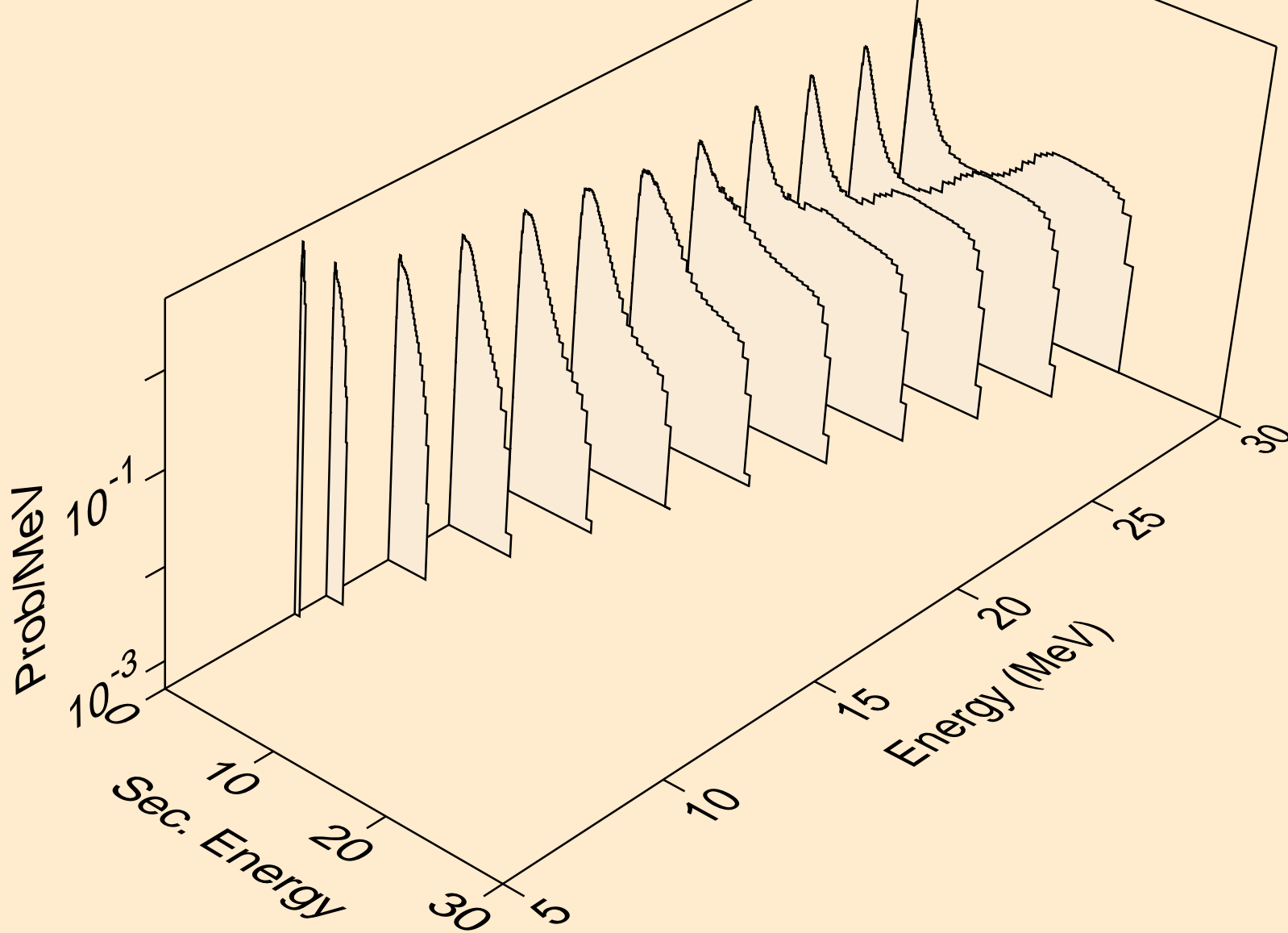
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)

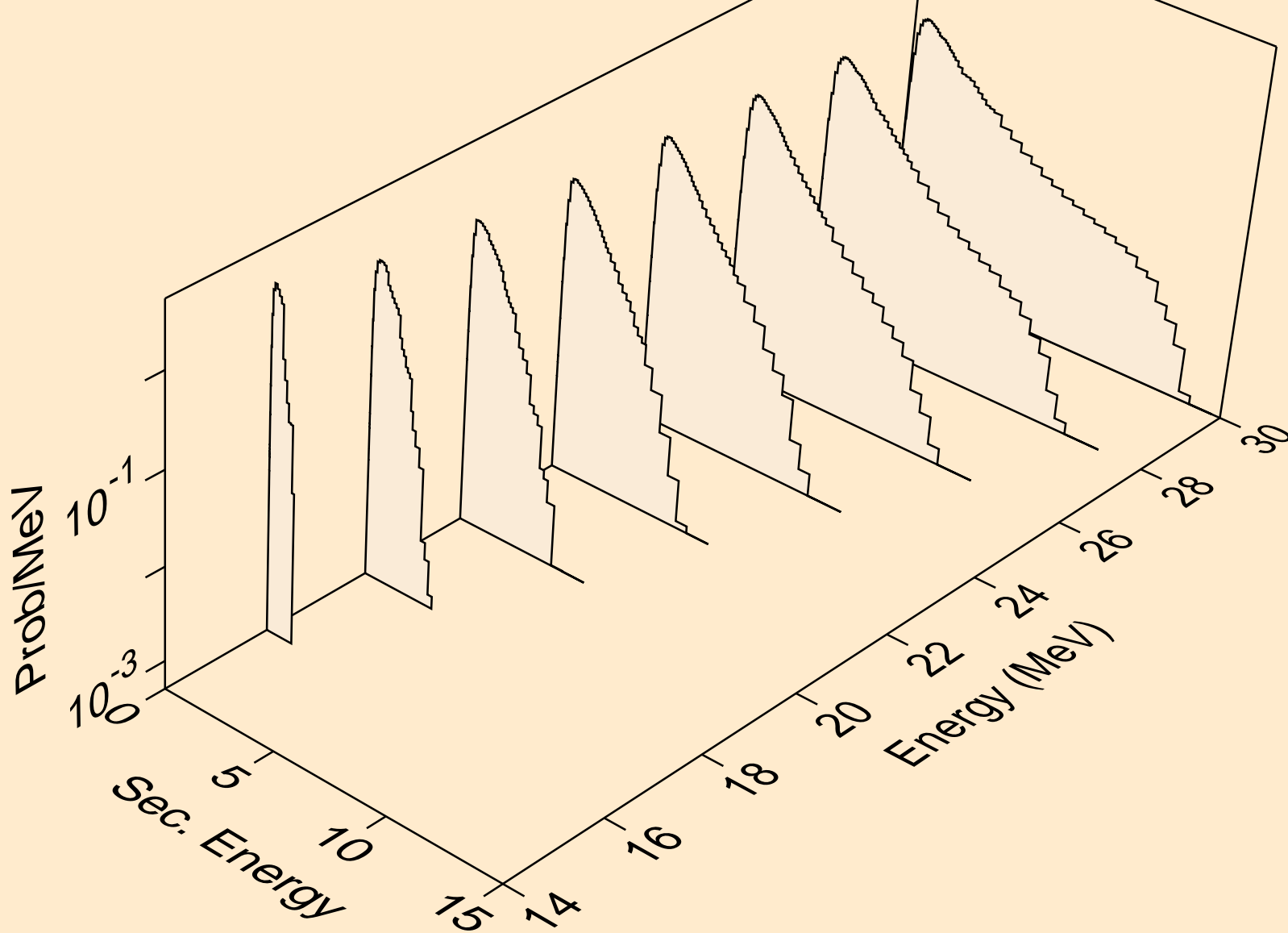


GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)

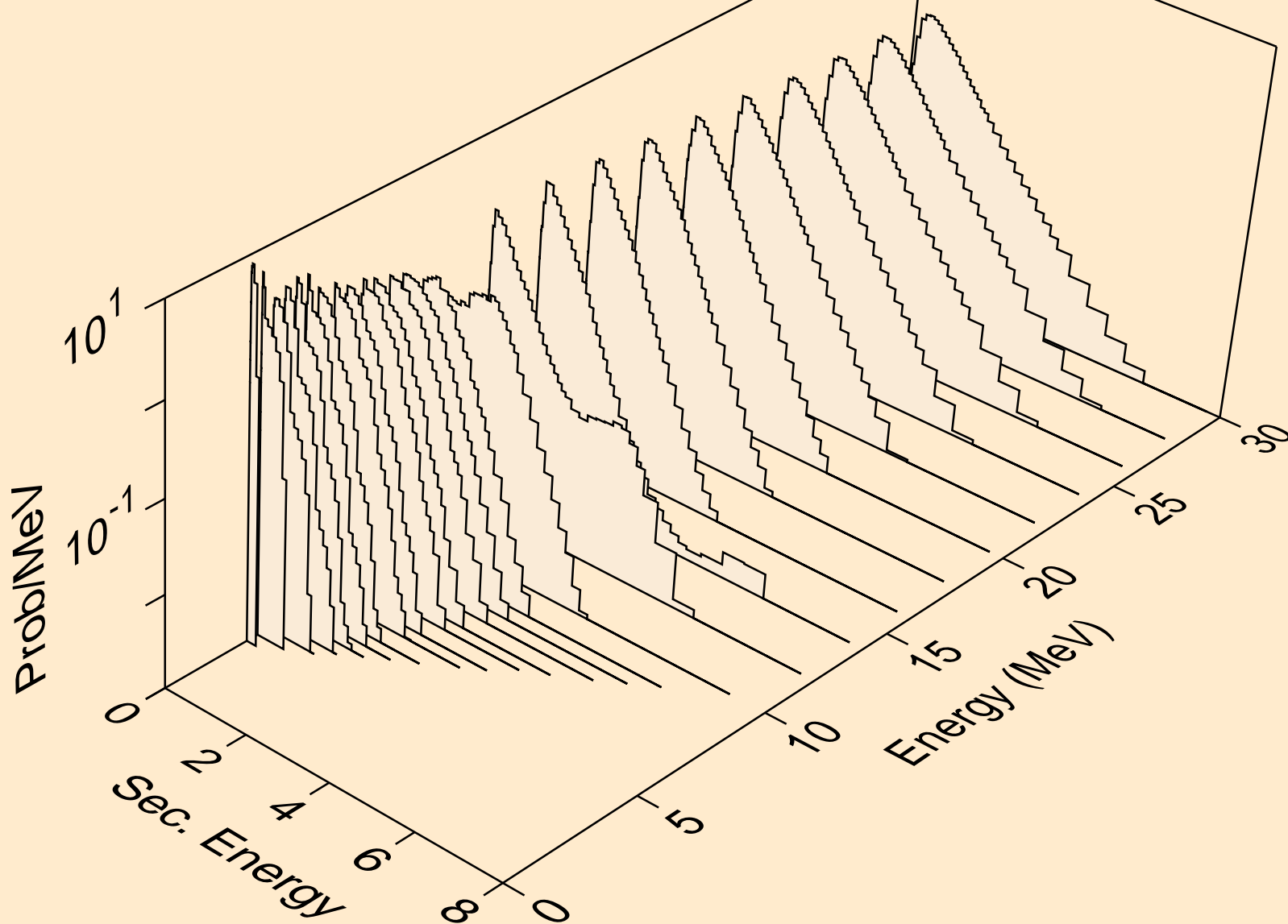




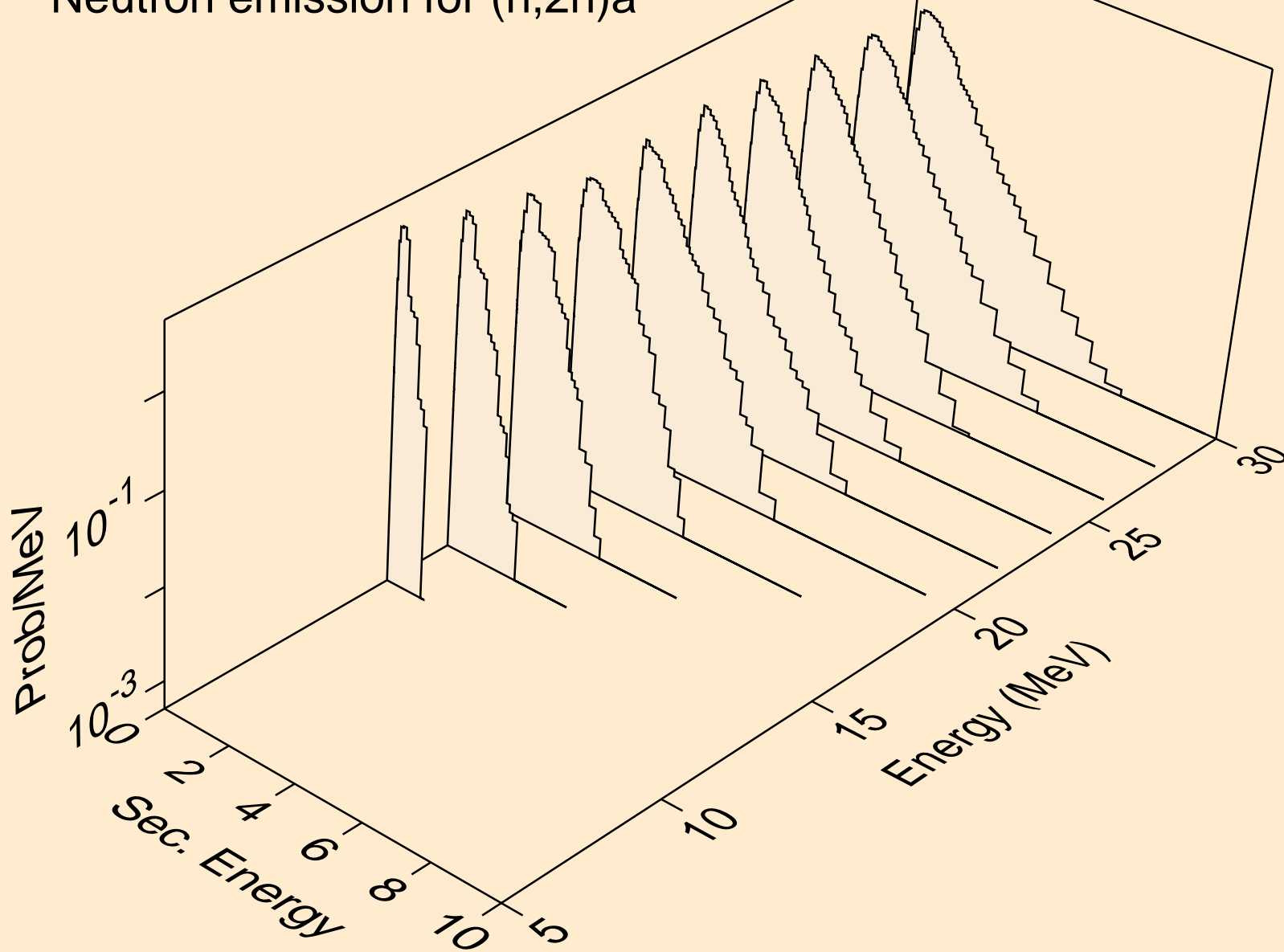
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)



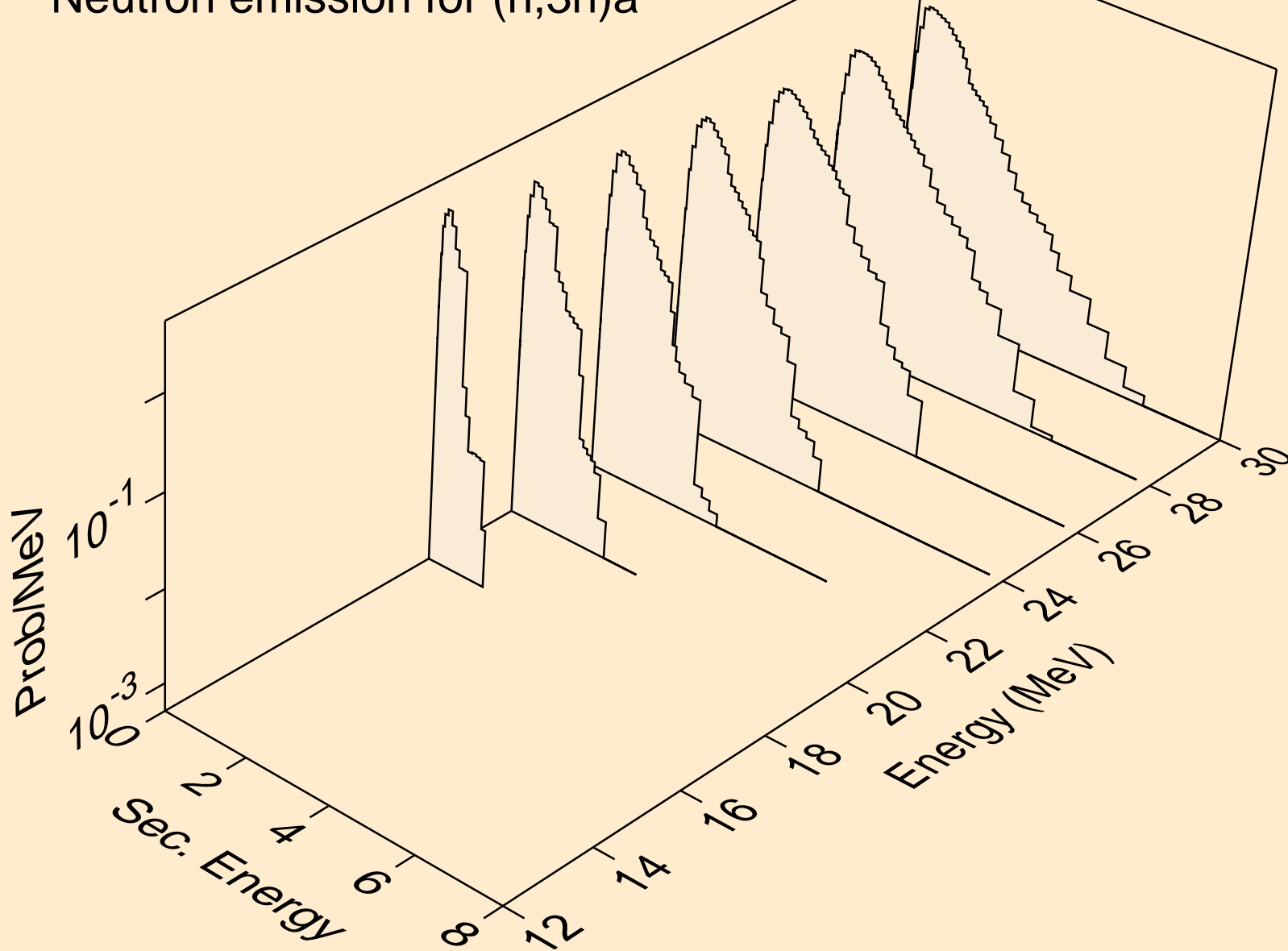
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



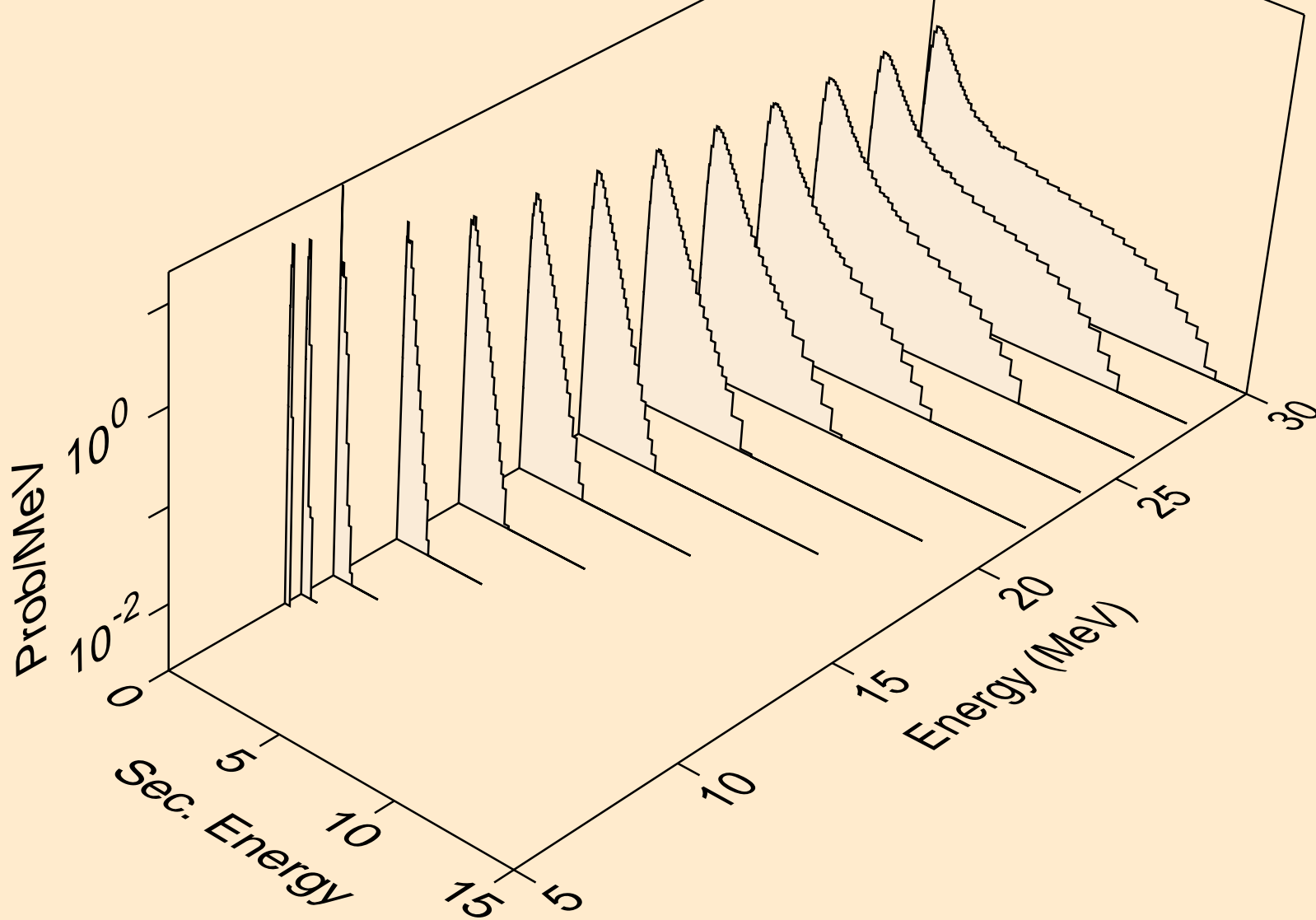
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)<sub>a</sub>



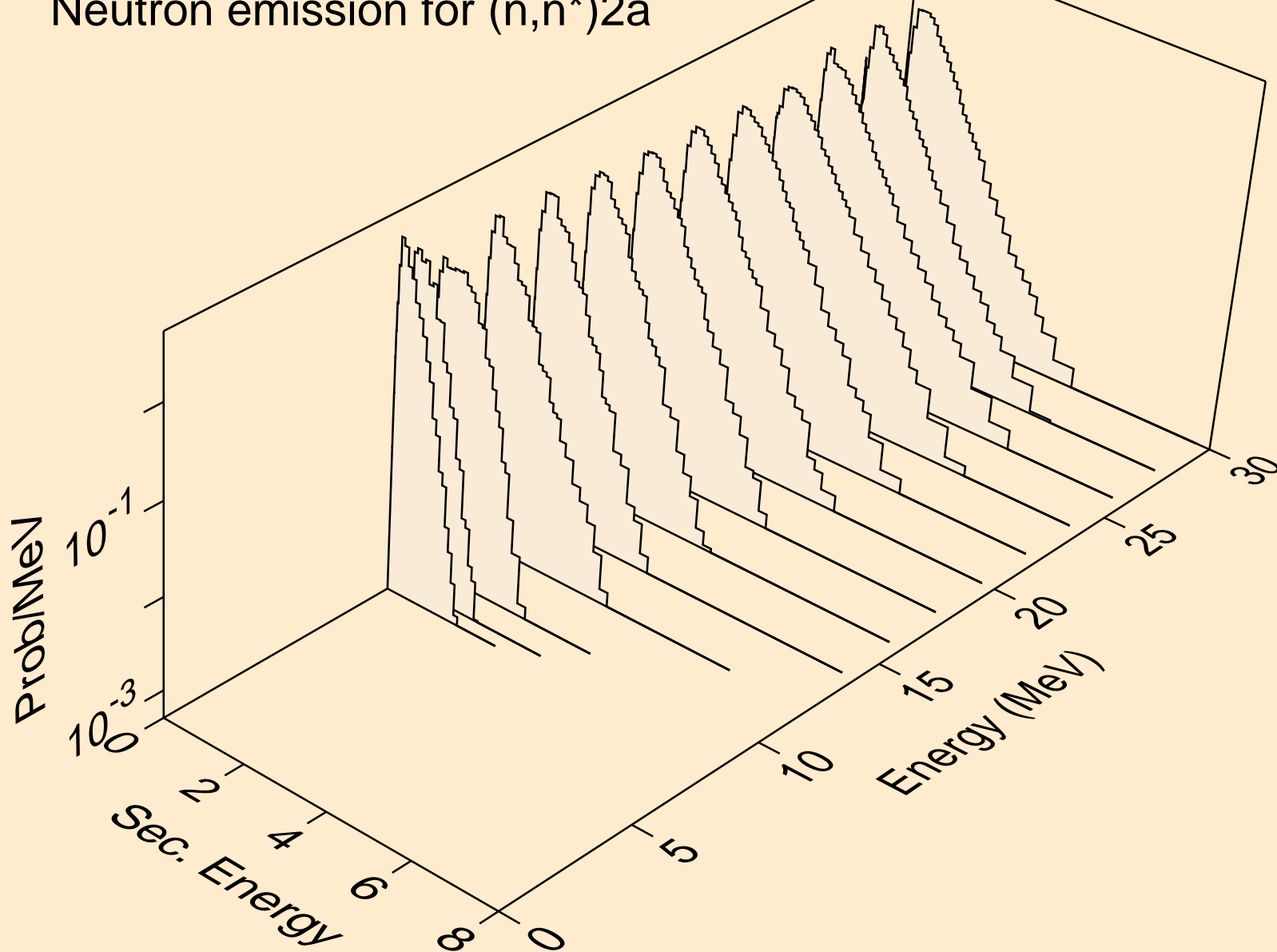
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



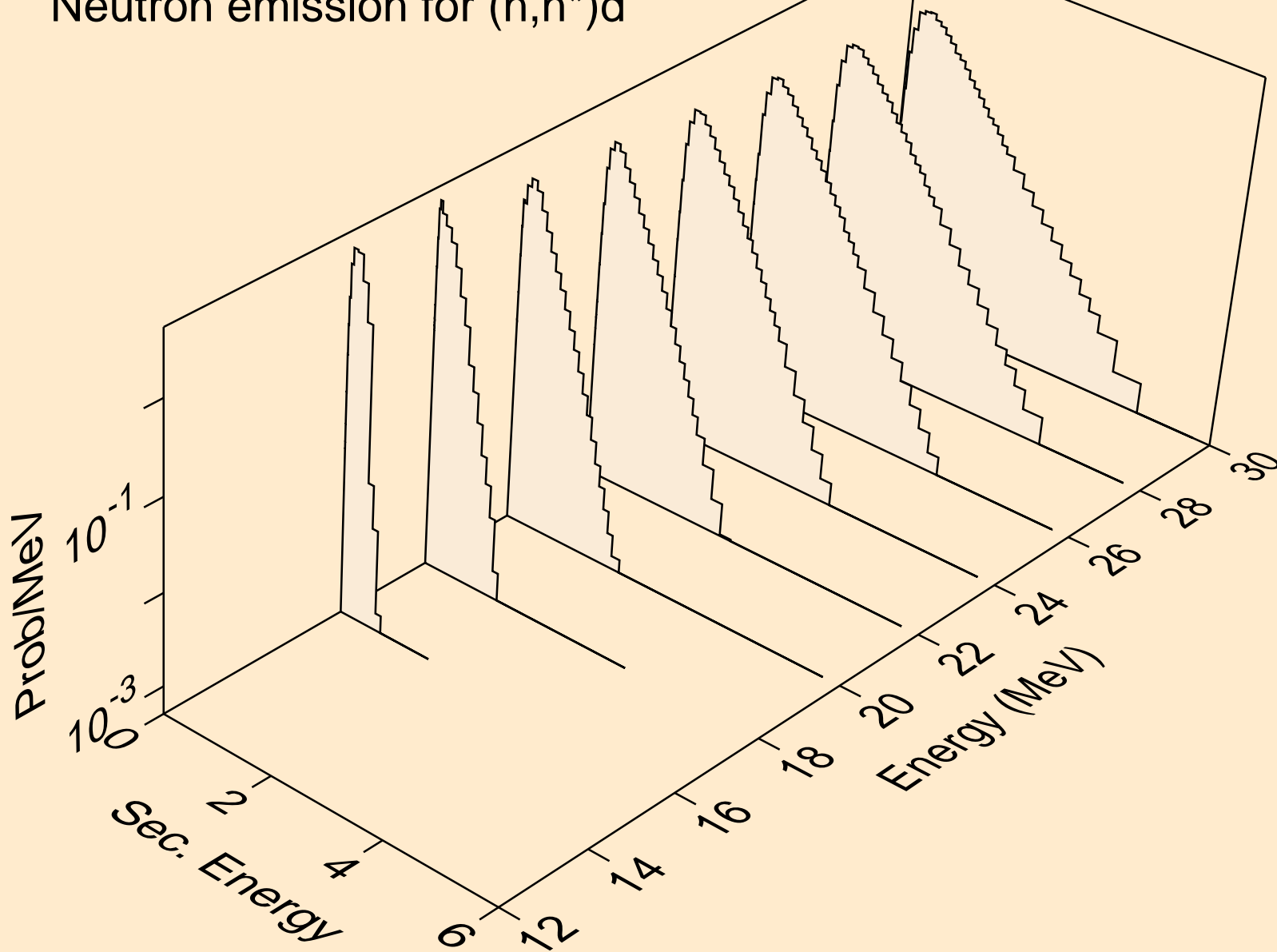
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



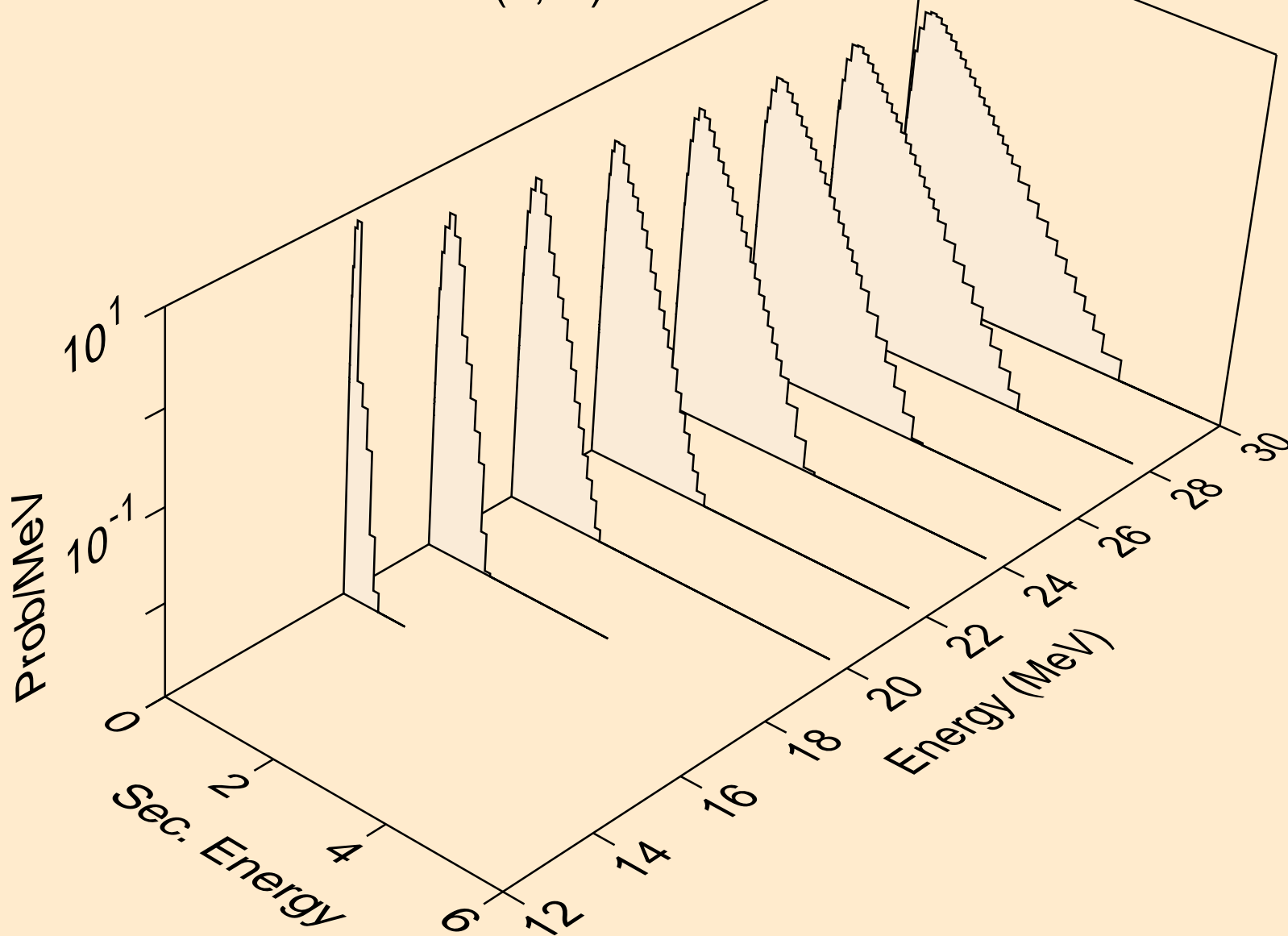
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)2a



GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d

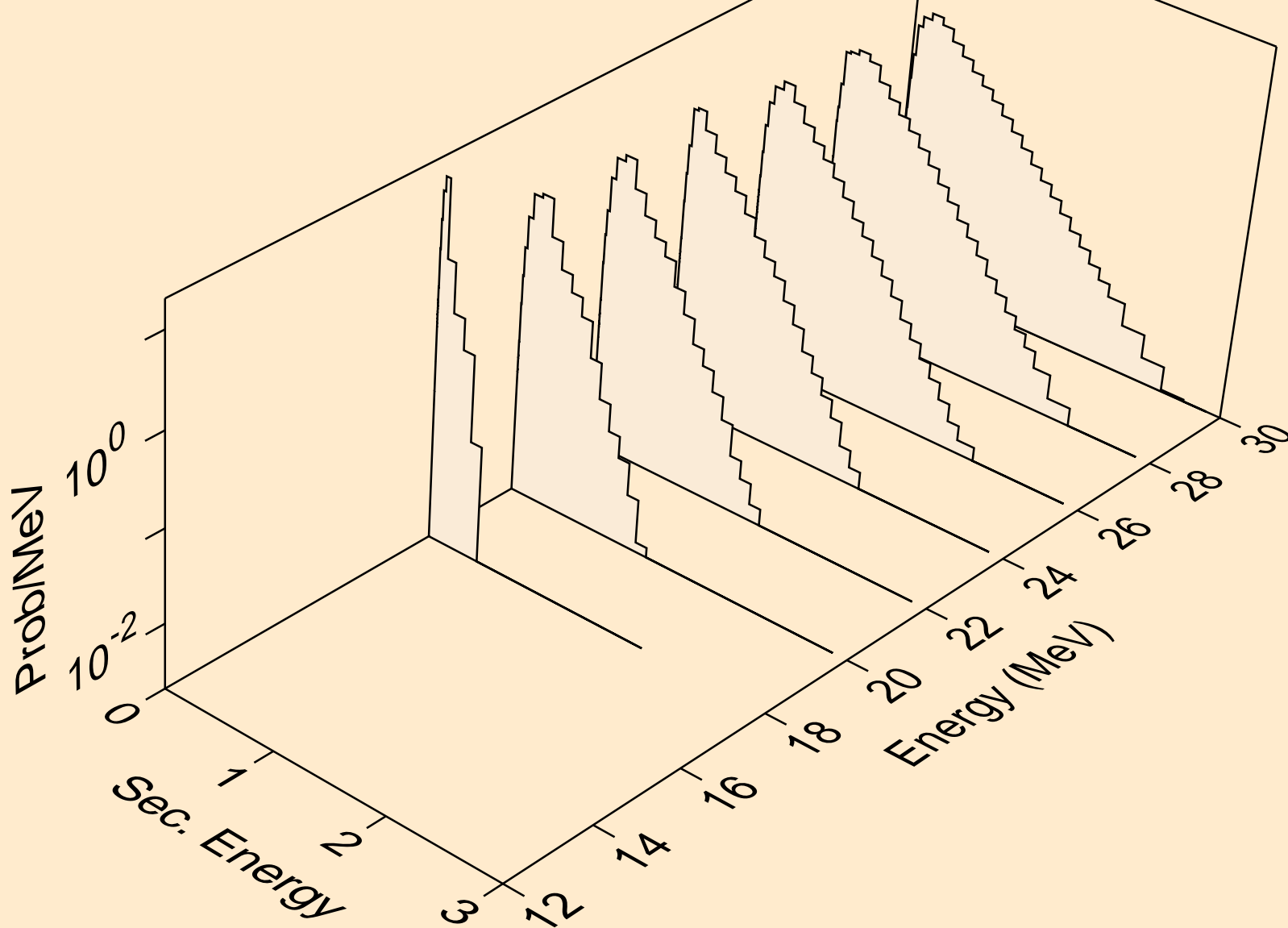


GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t

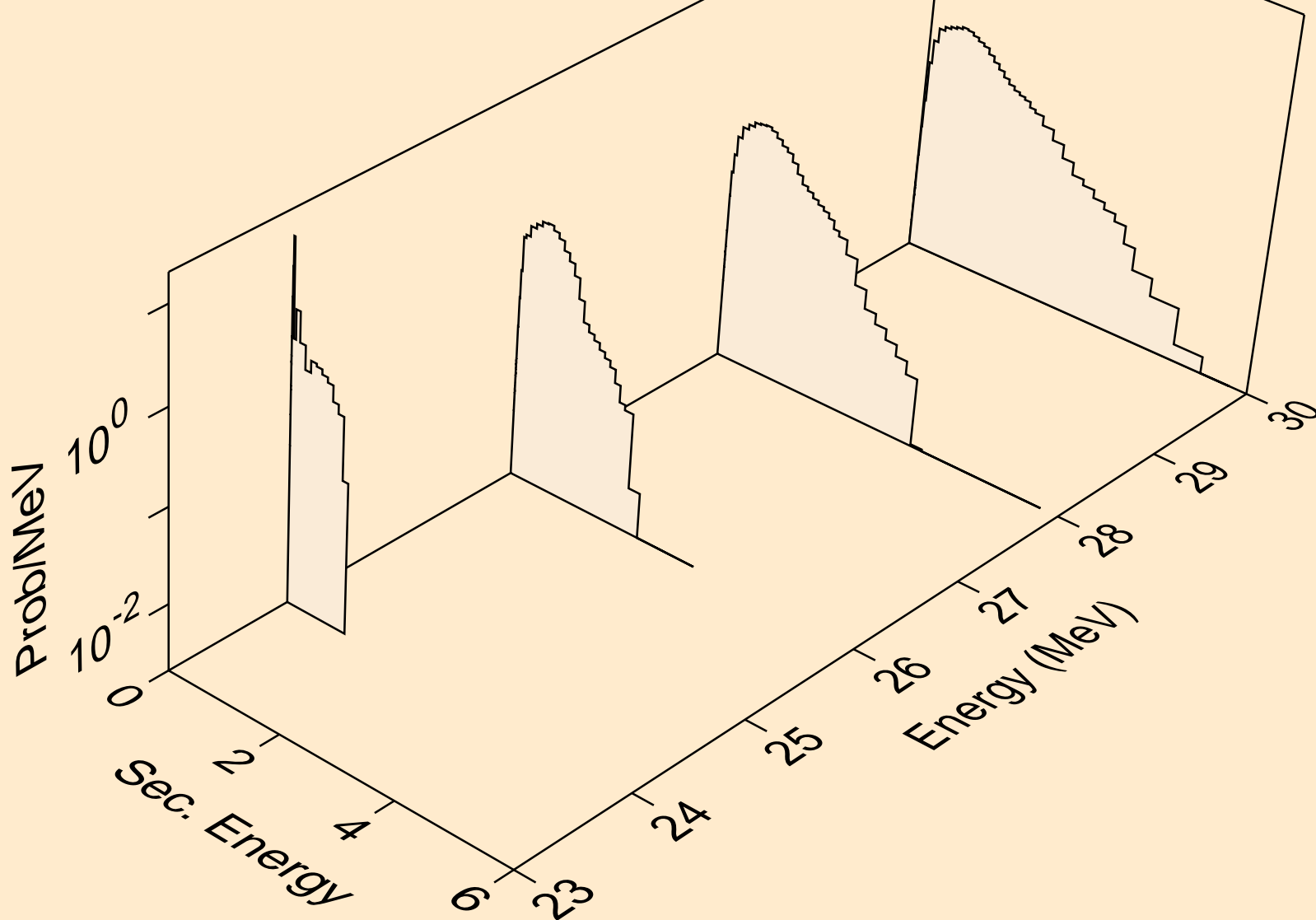




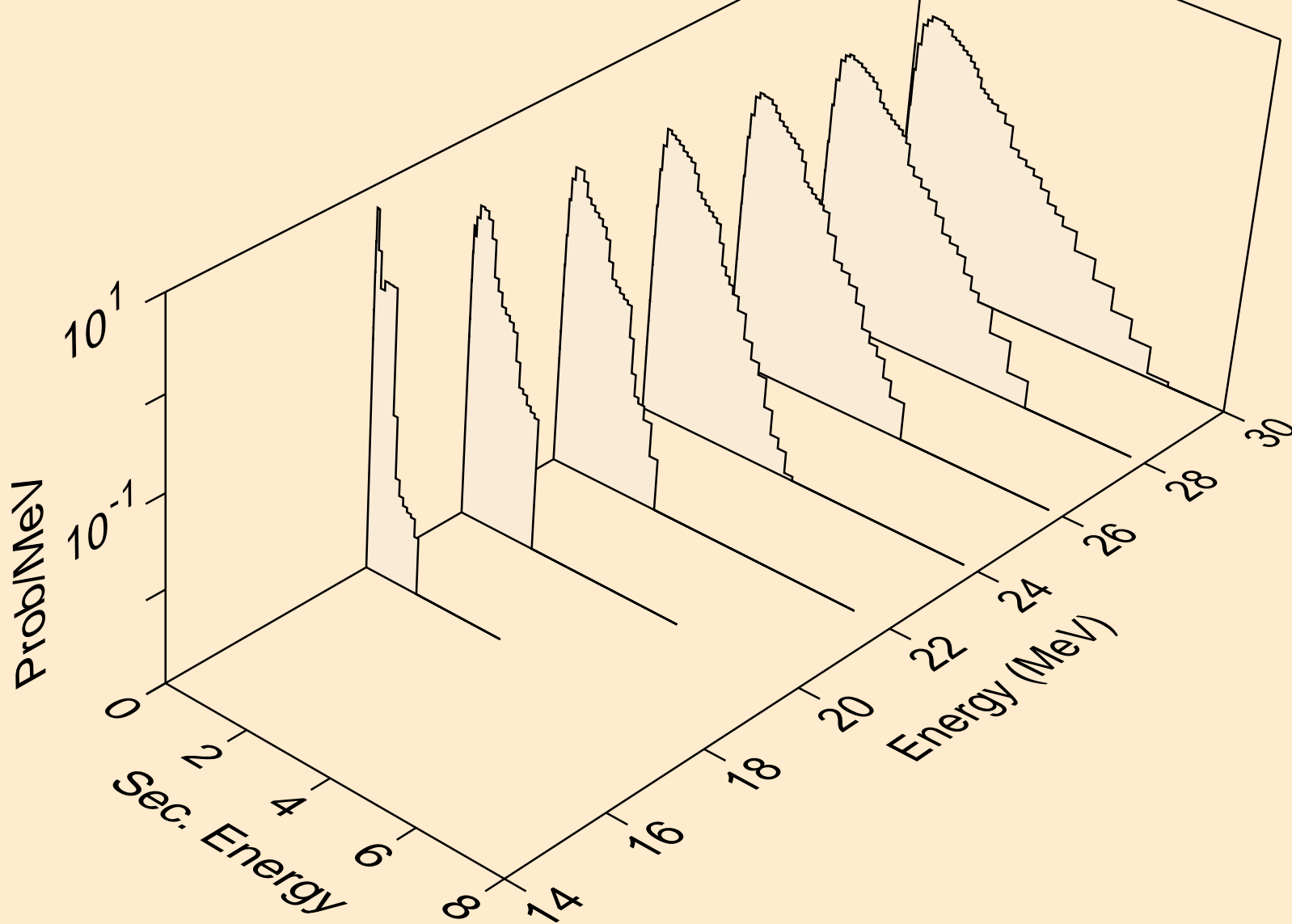
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



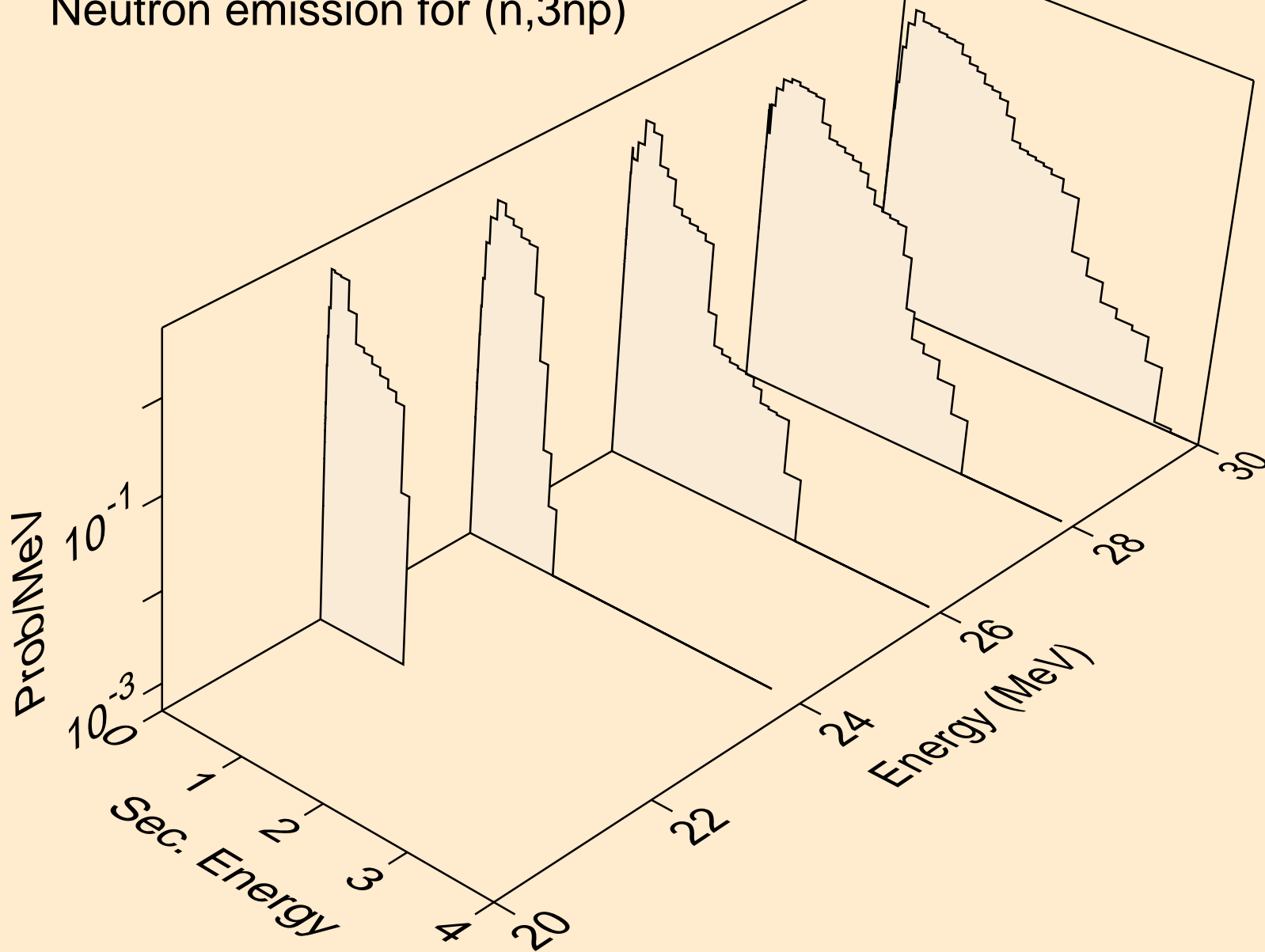
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)



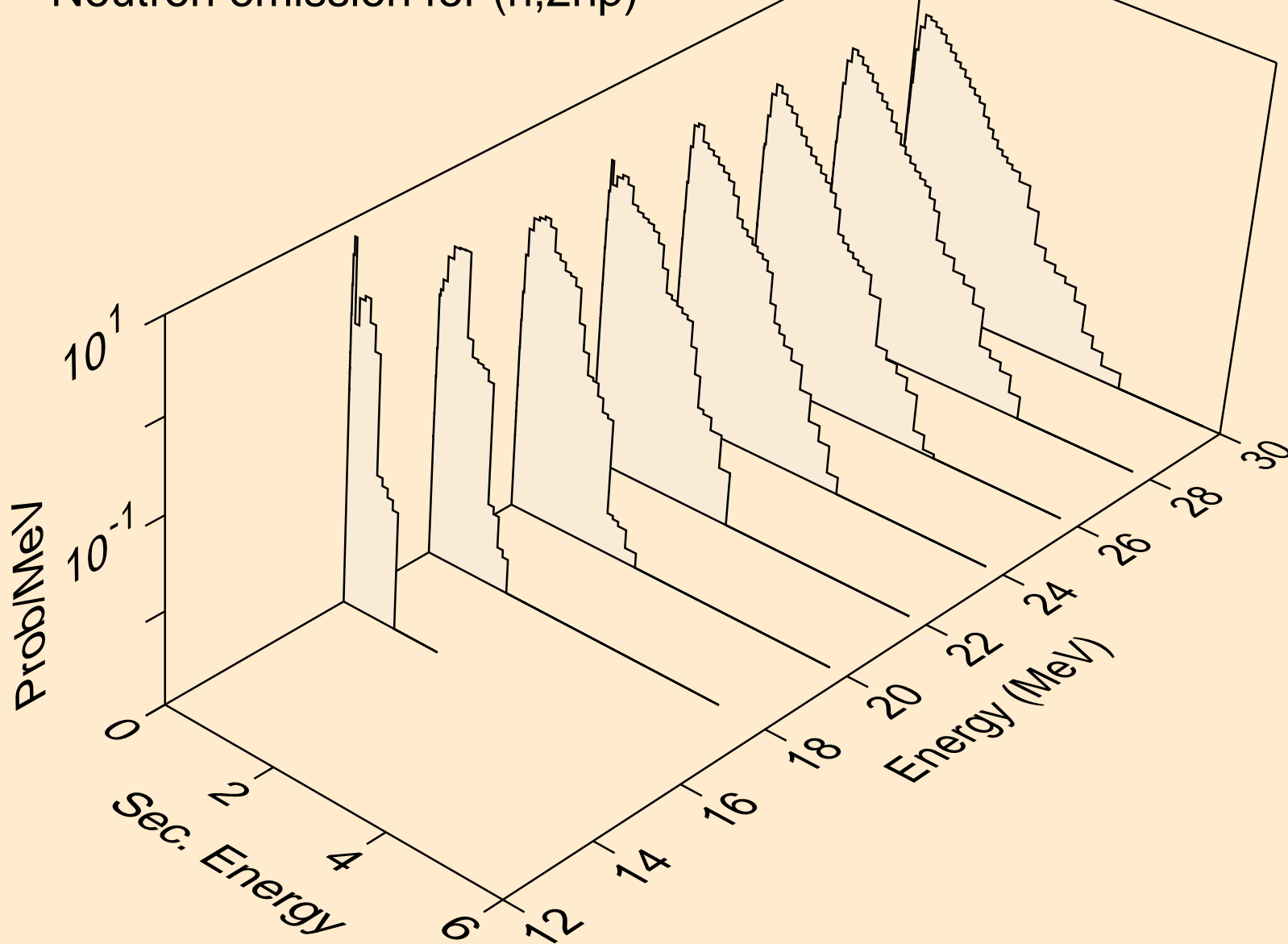
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



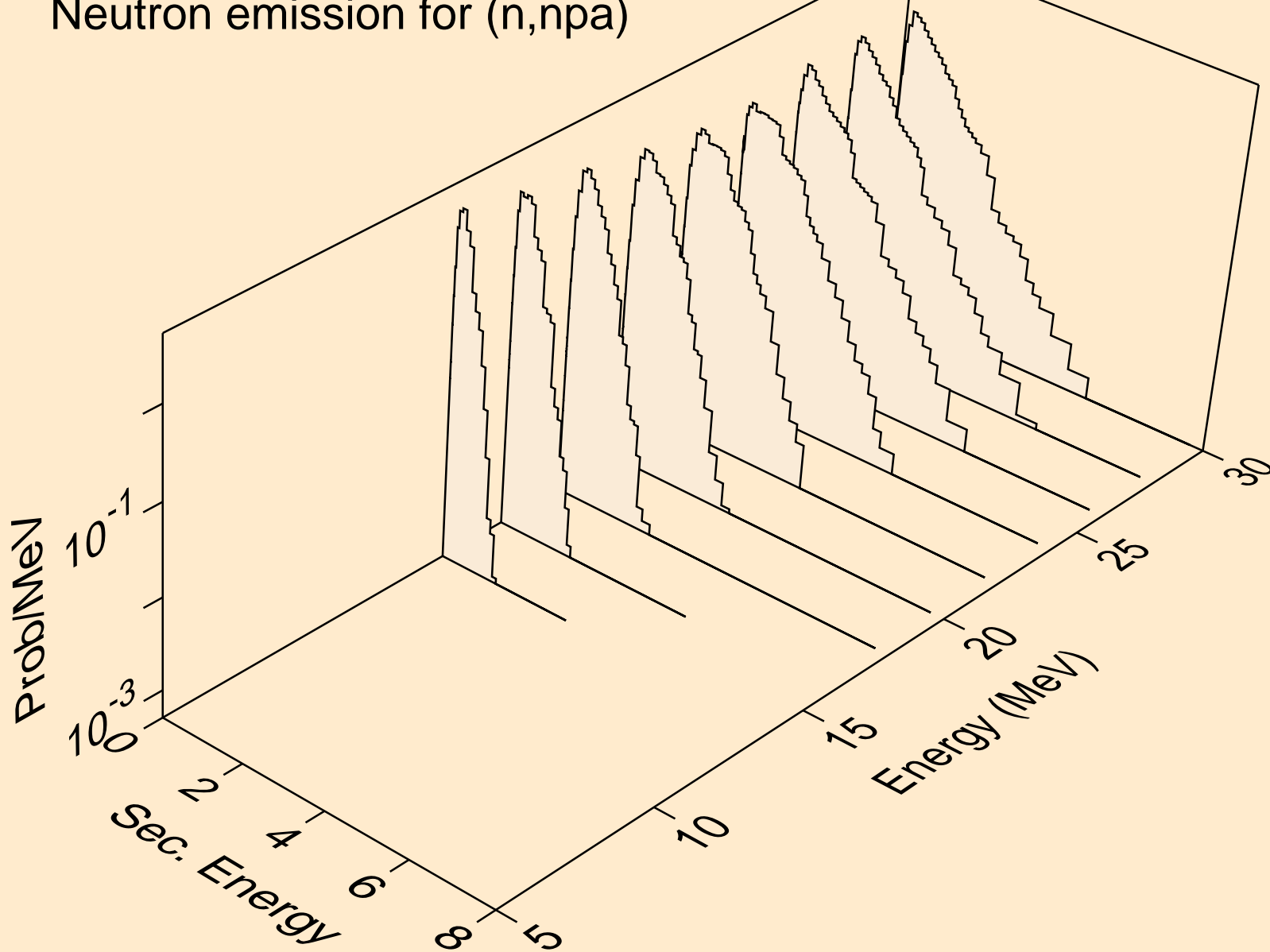
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)



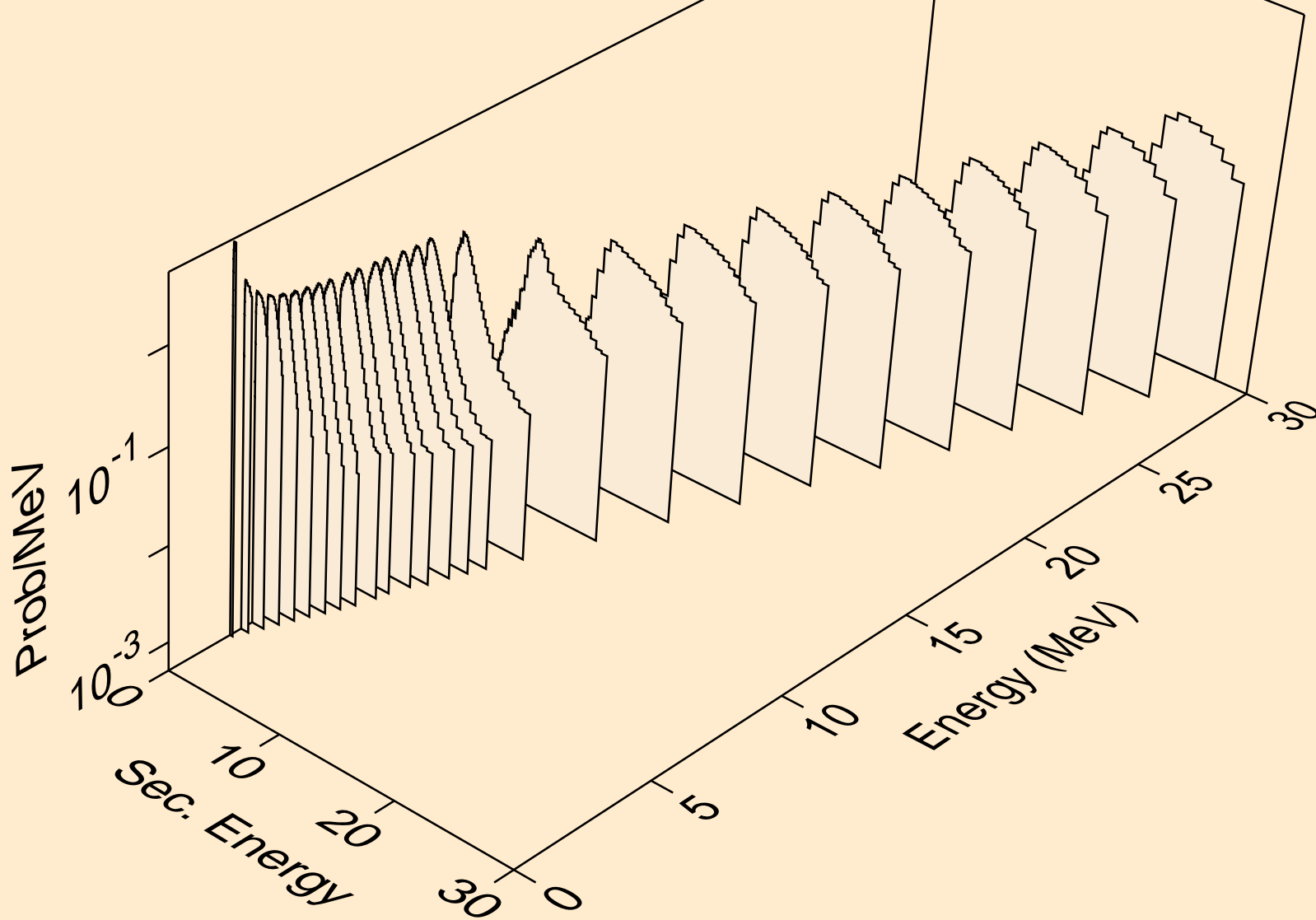
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



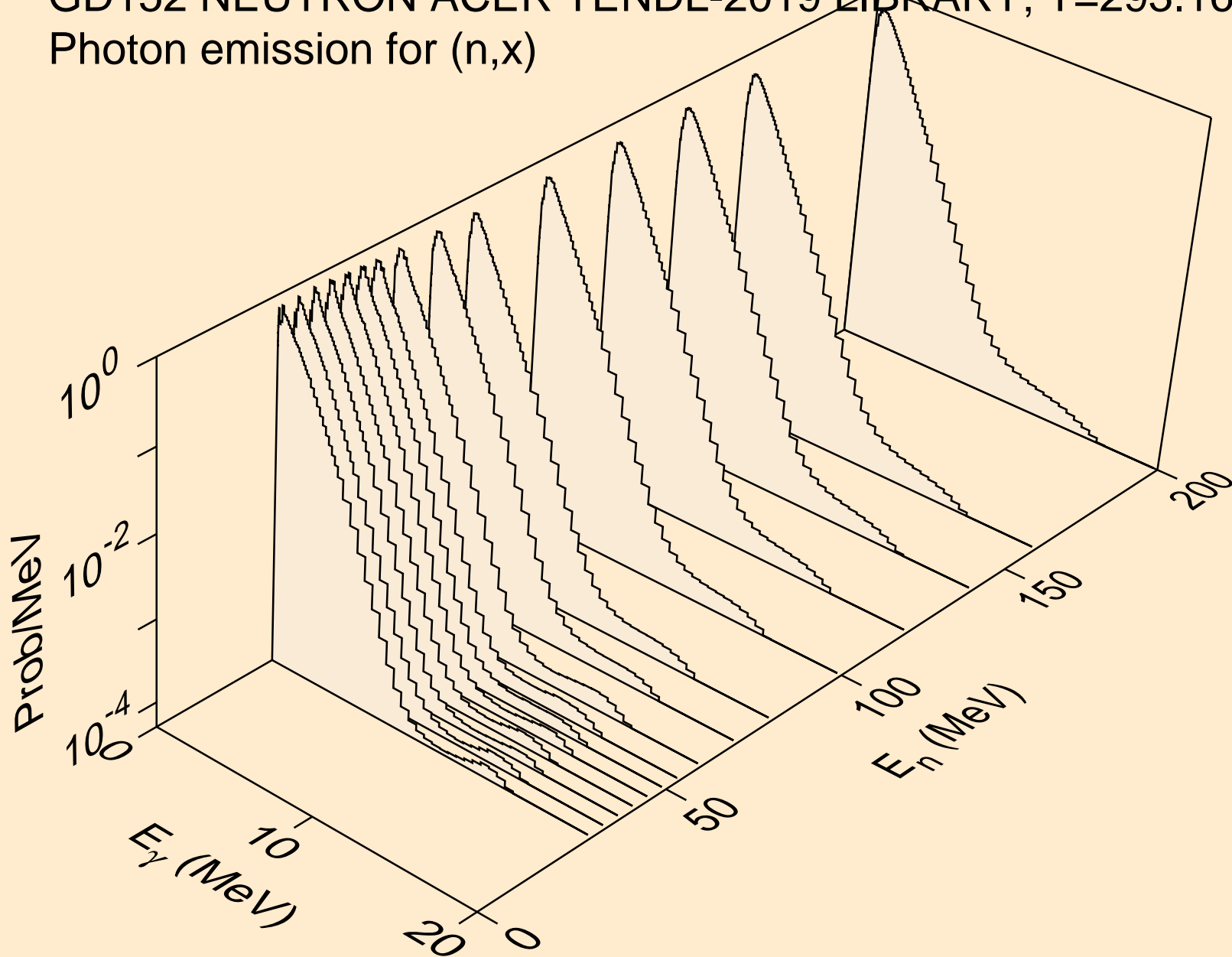
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,npa)



GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)

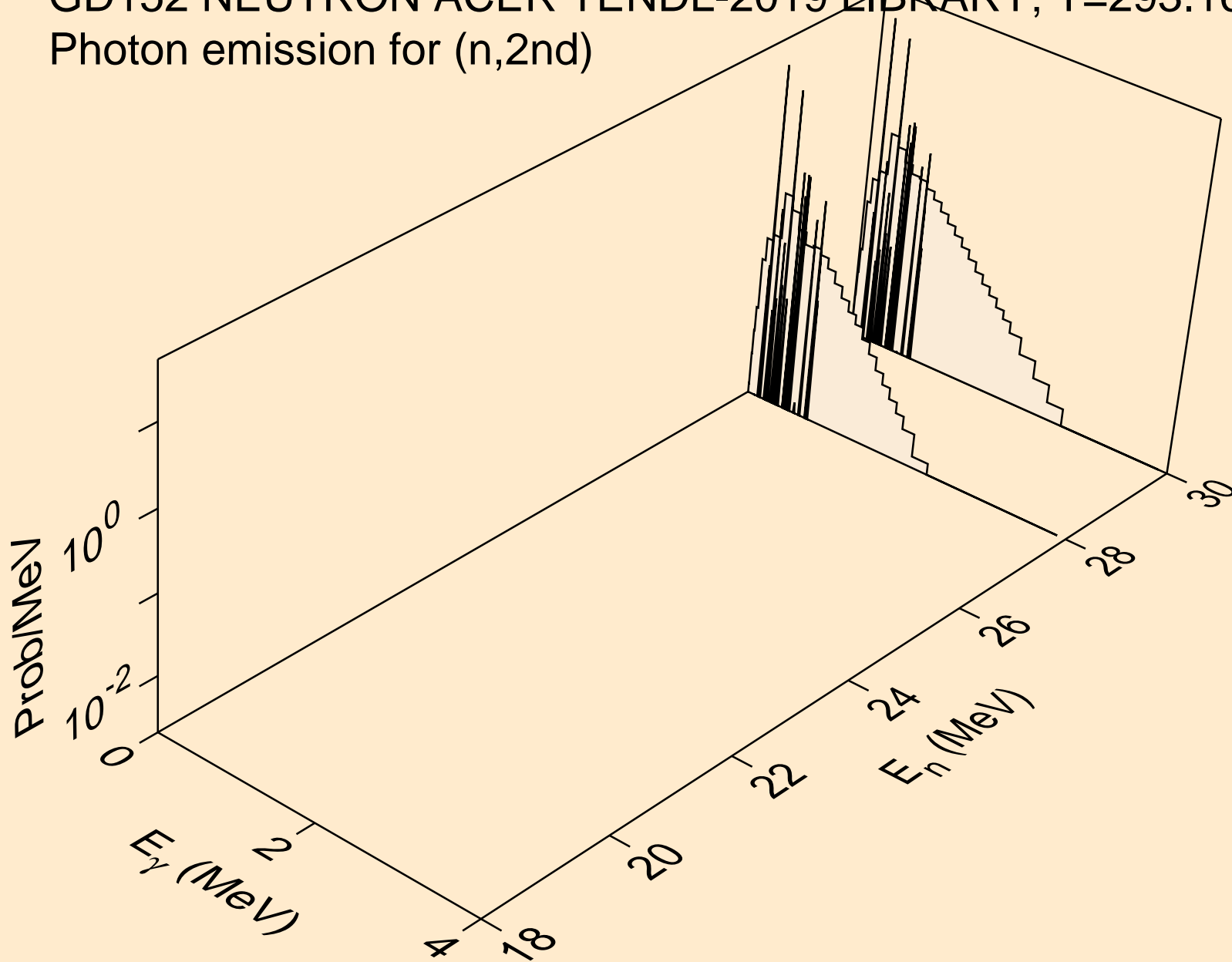


GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)

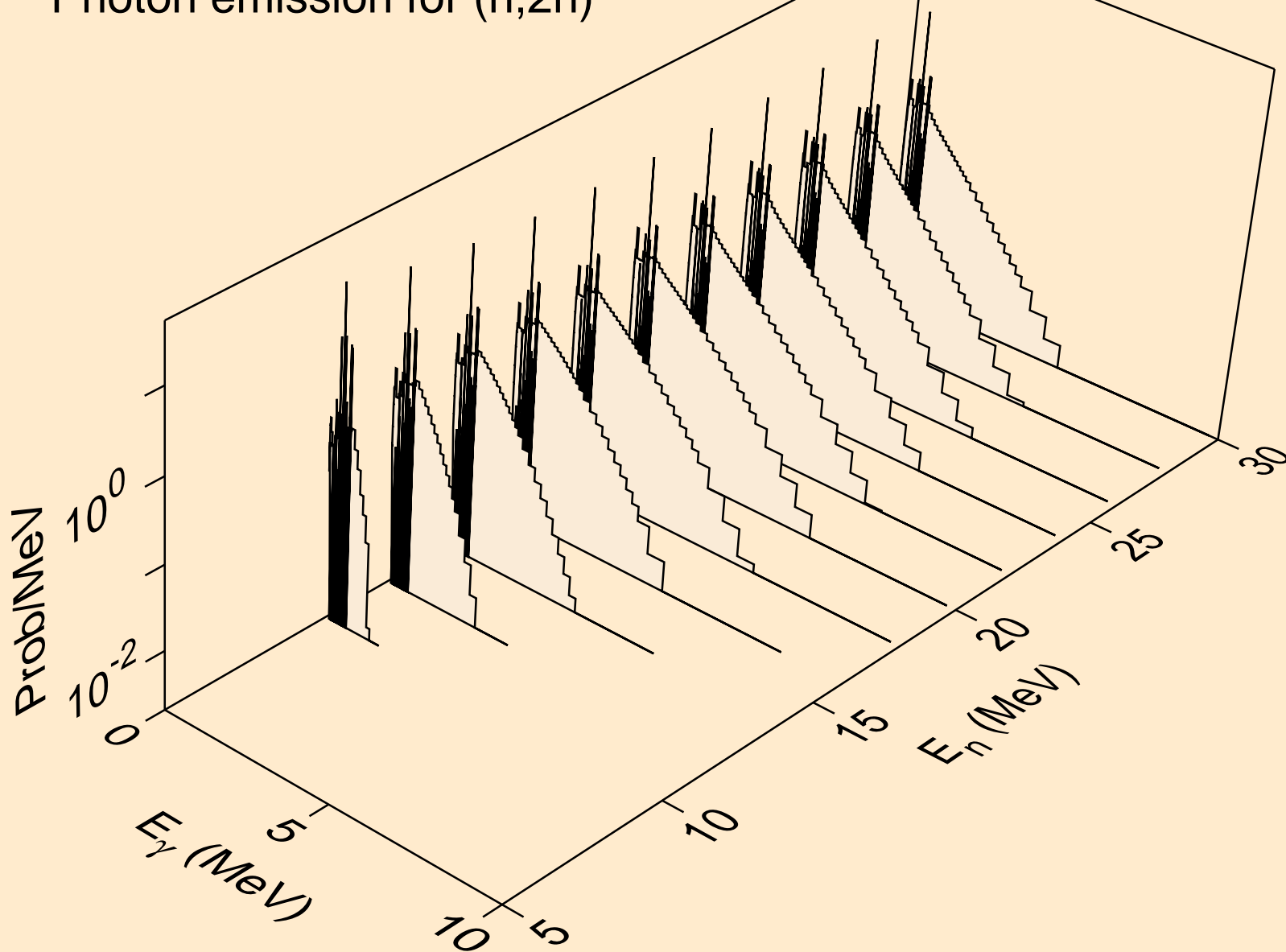




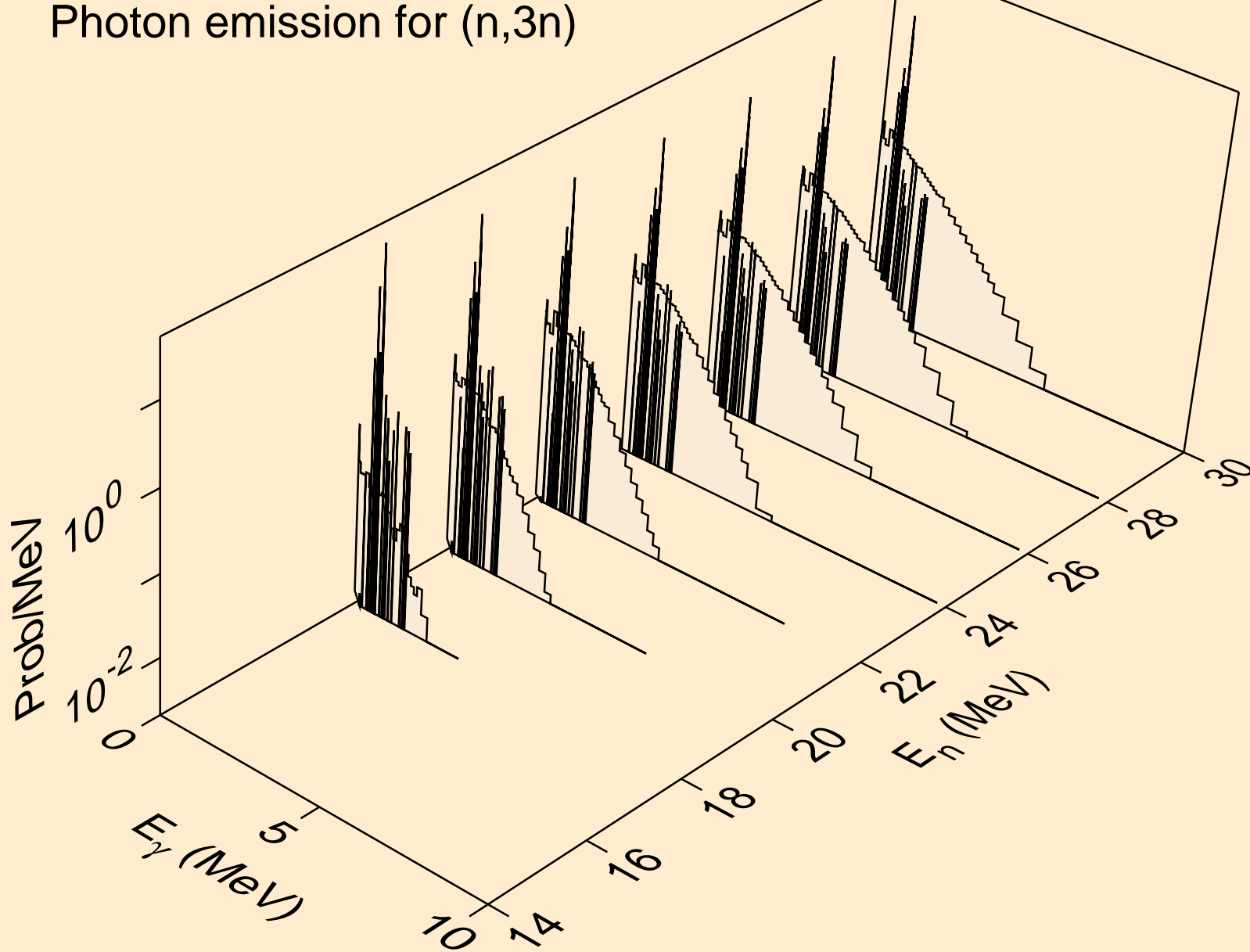
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)



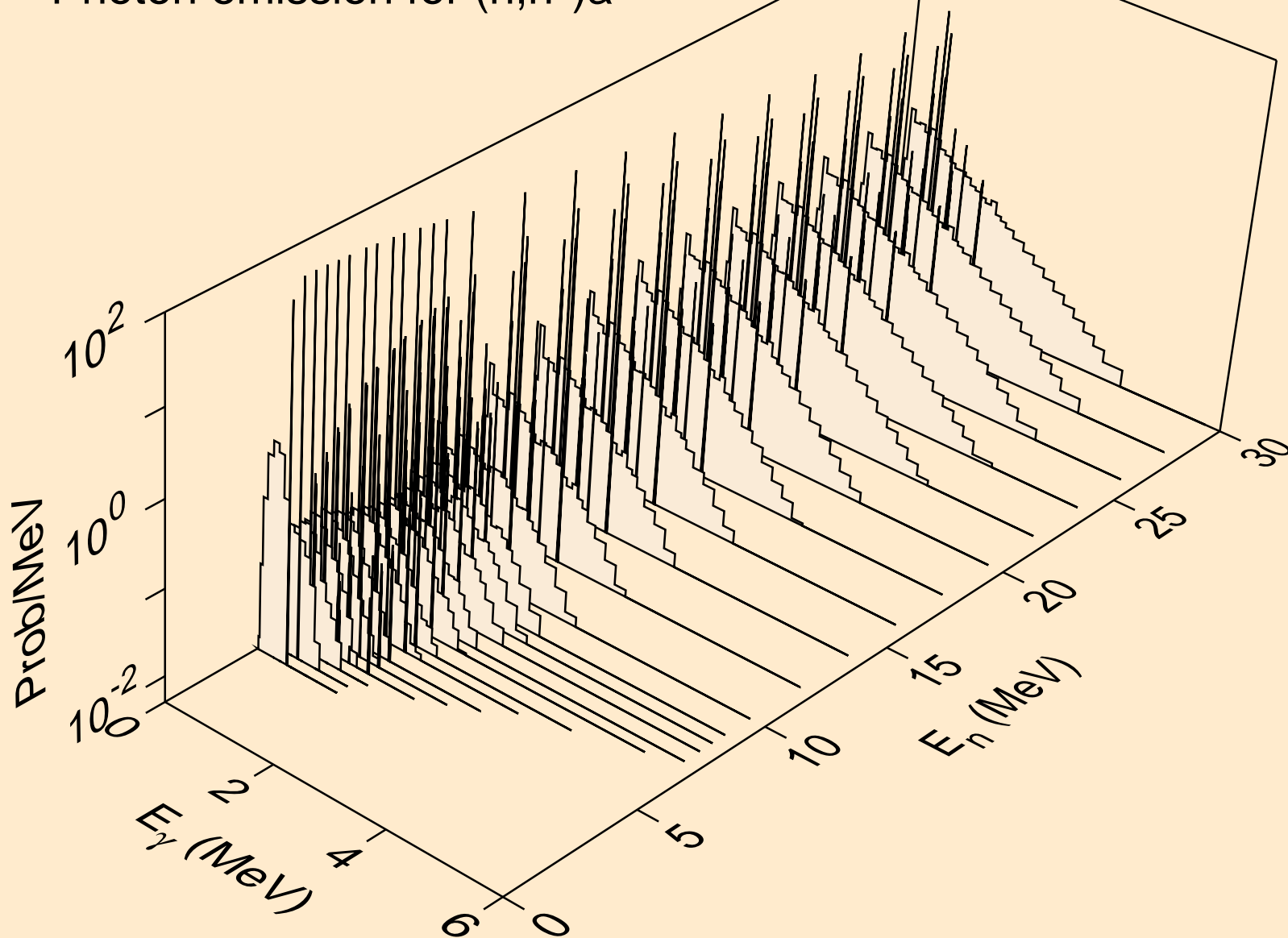
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)



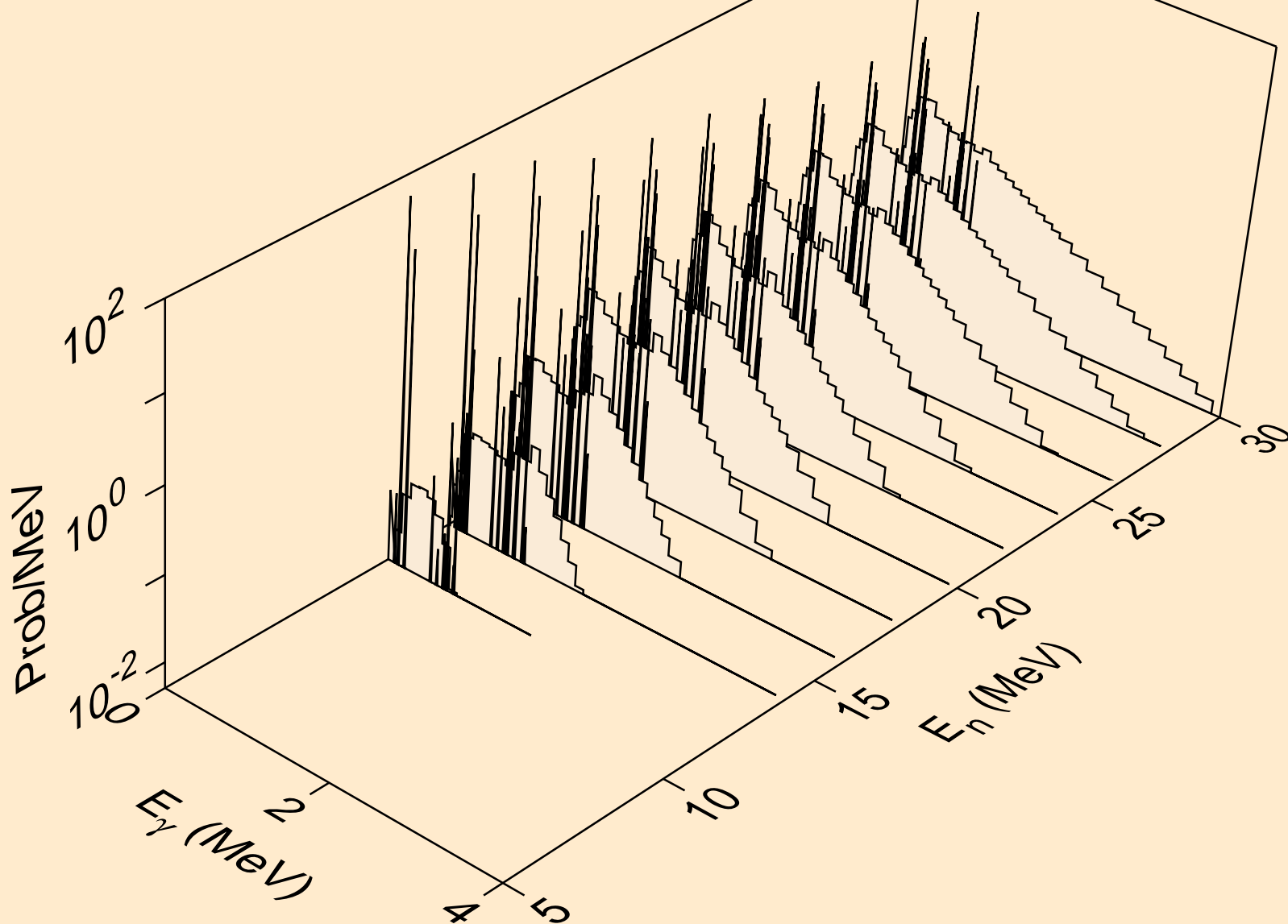
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)



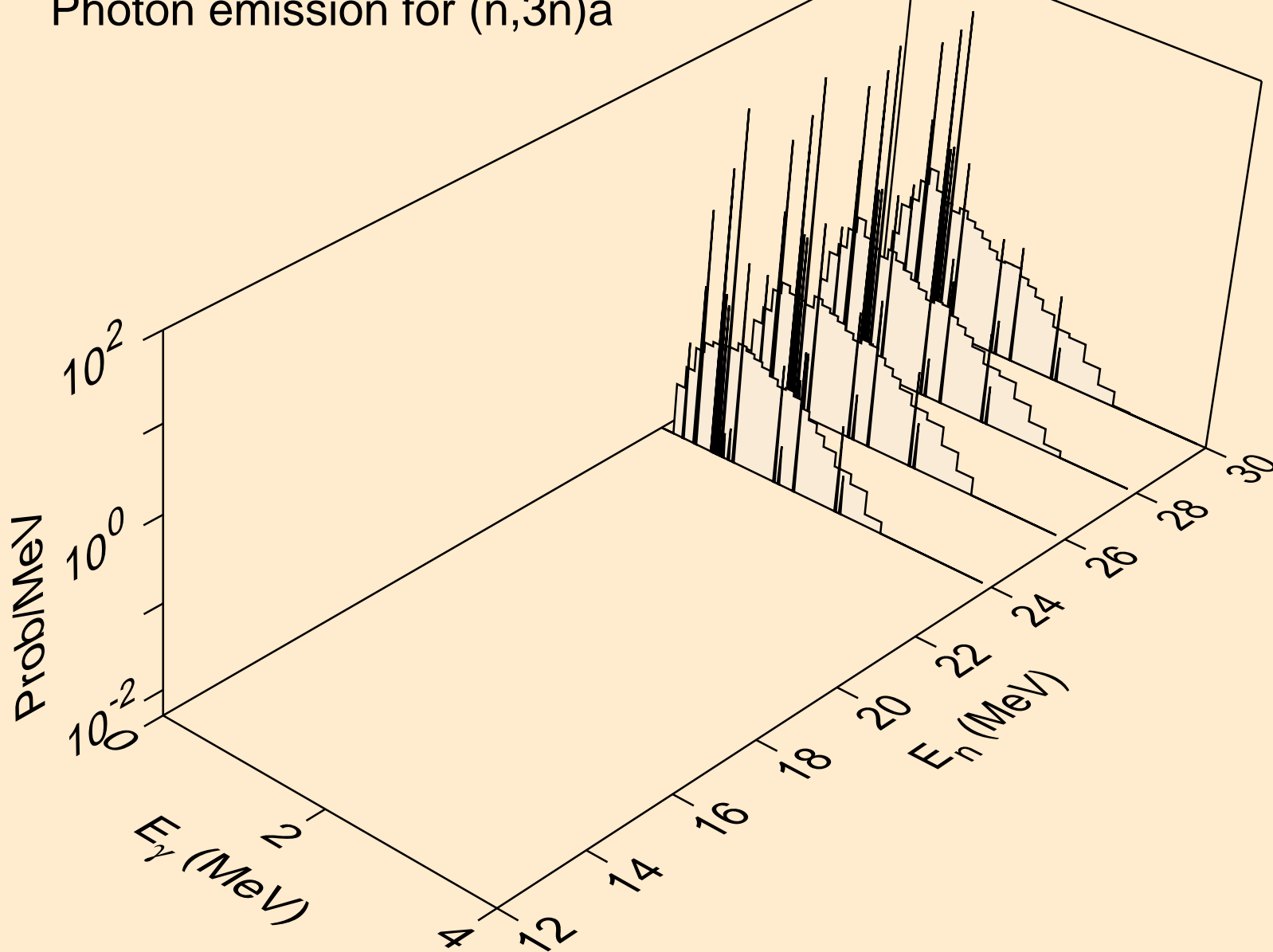
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a



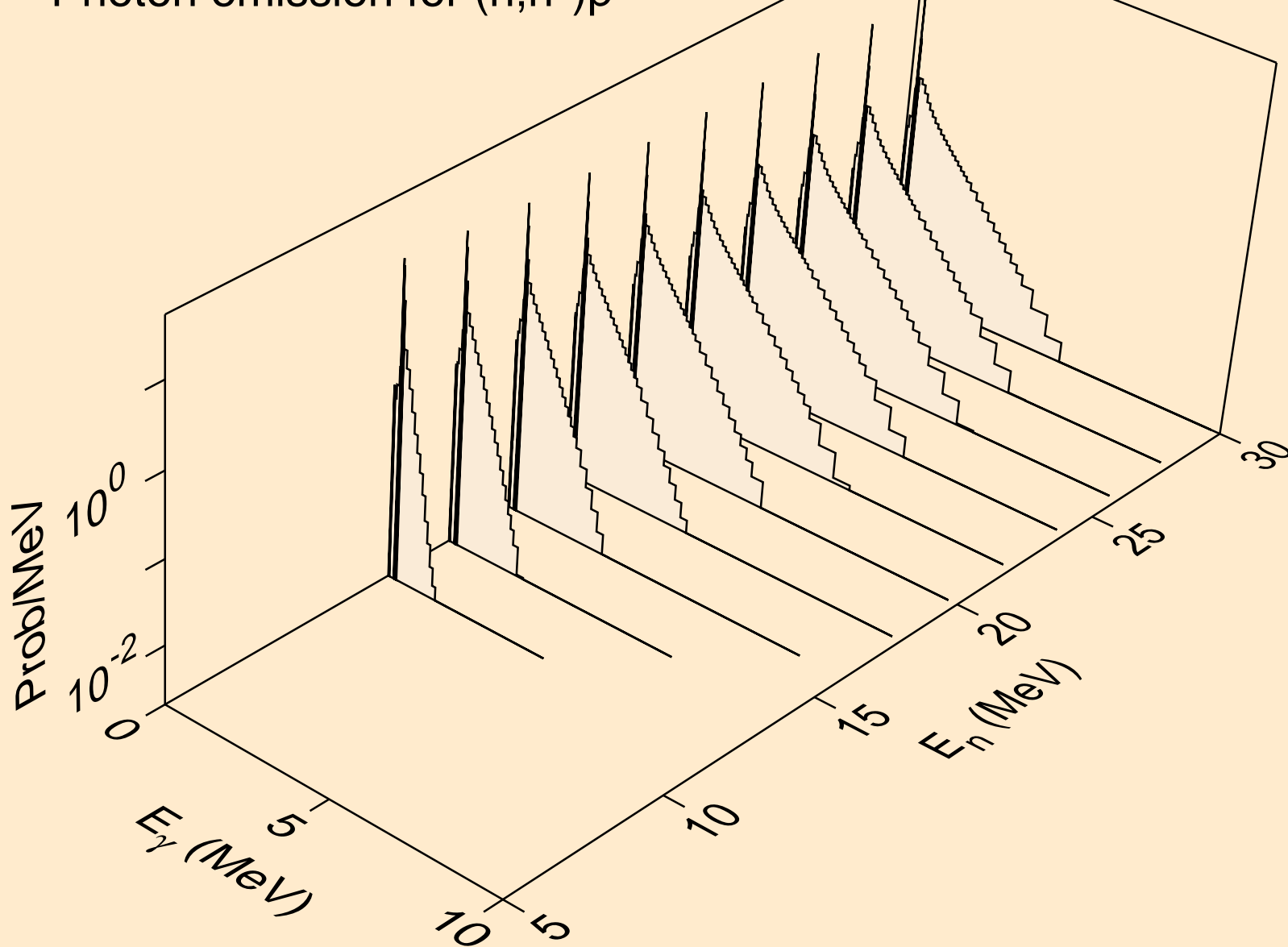
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)a



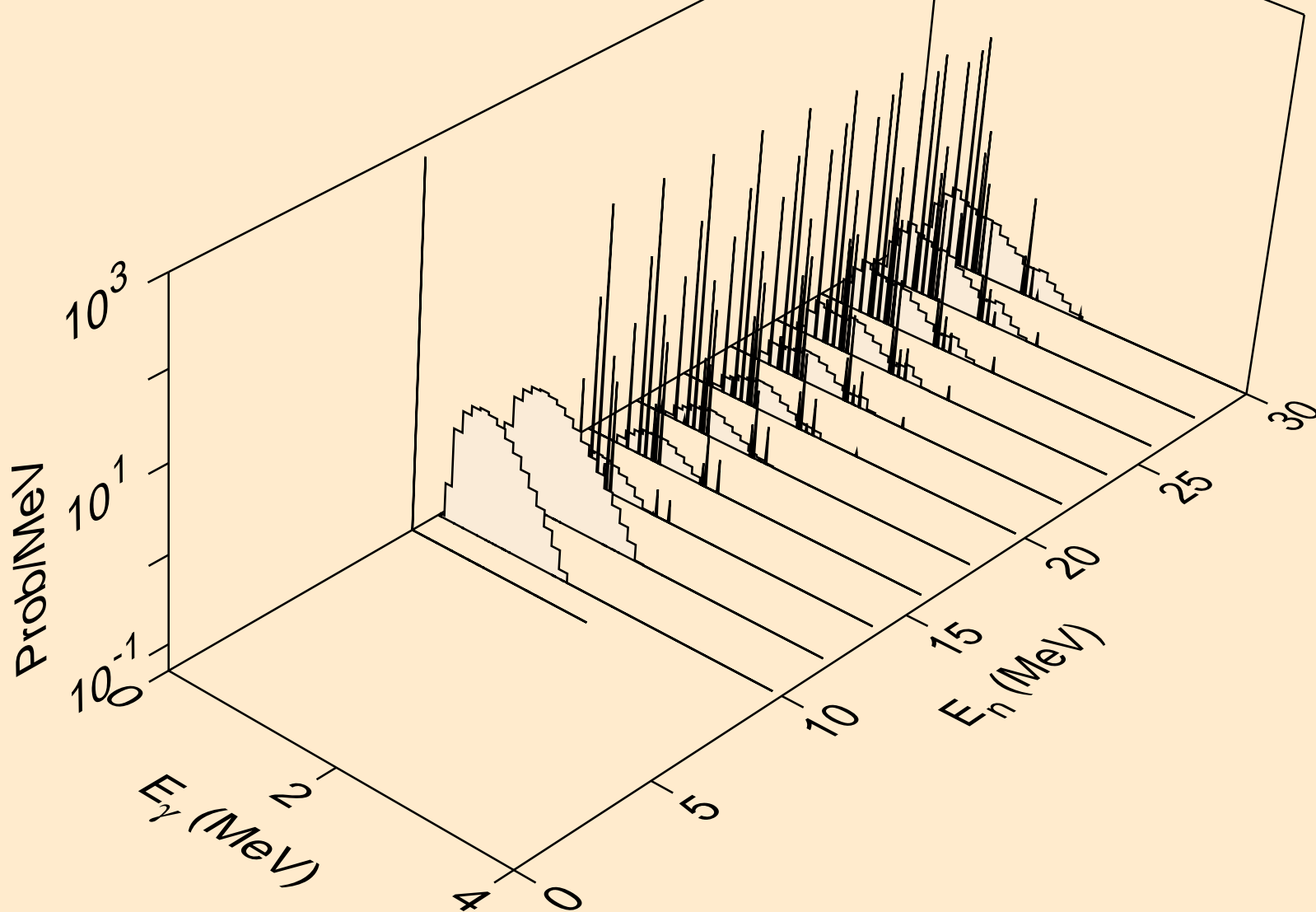
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a



GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p

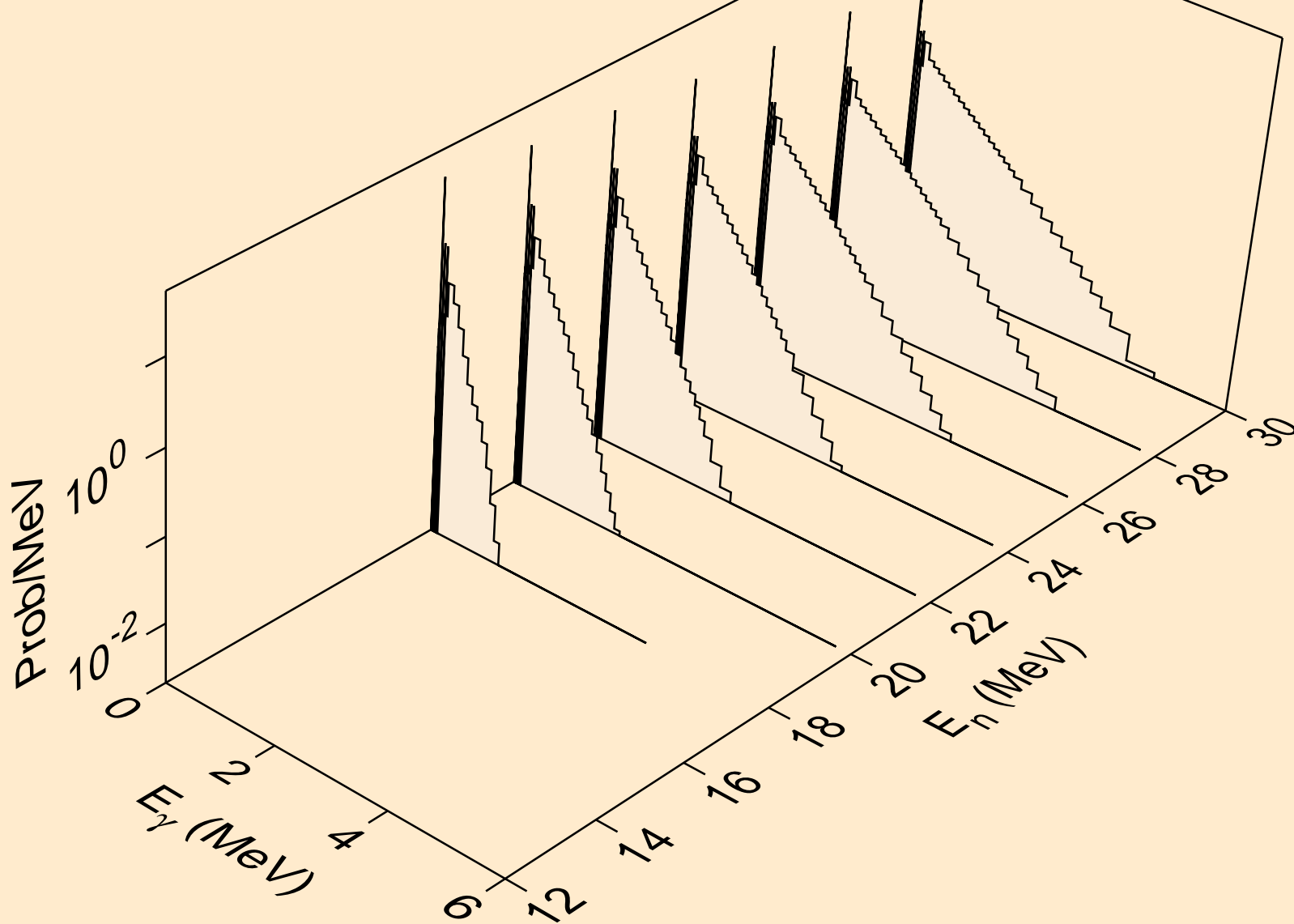


GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)2a

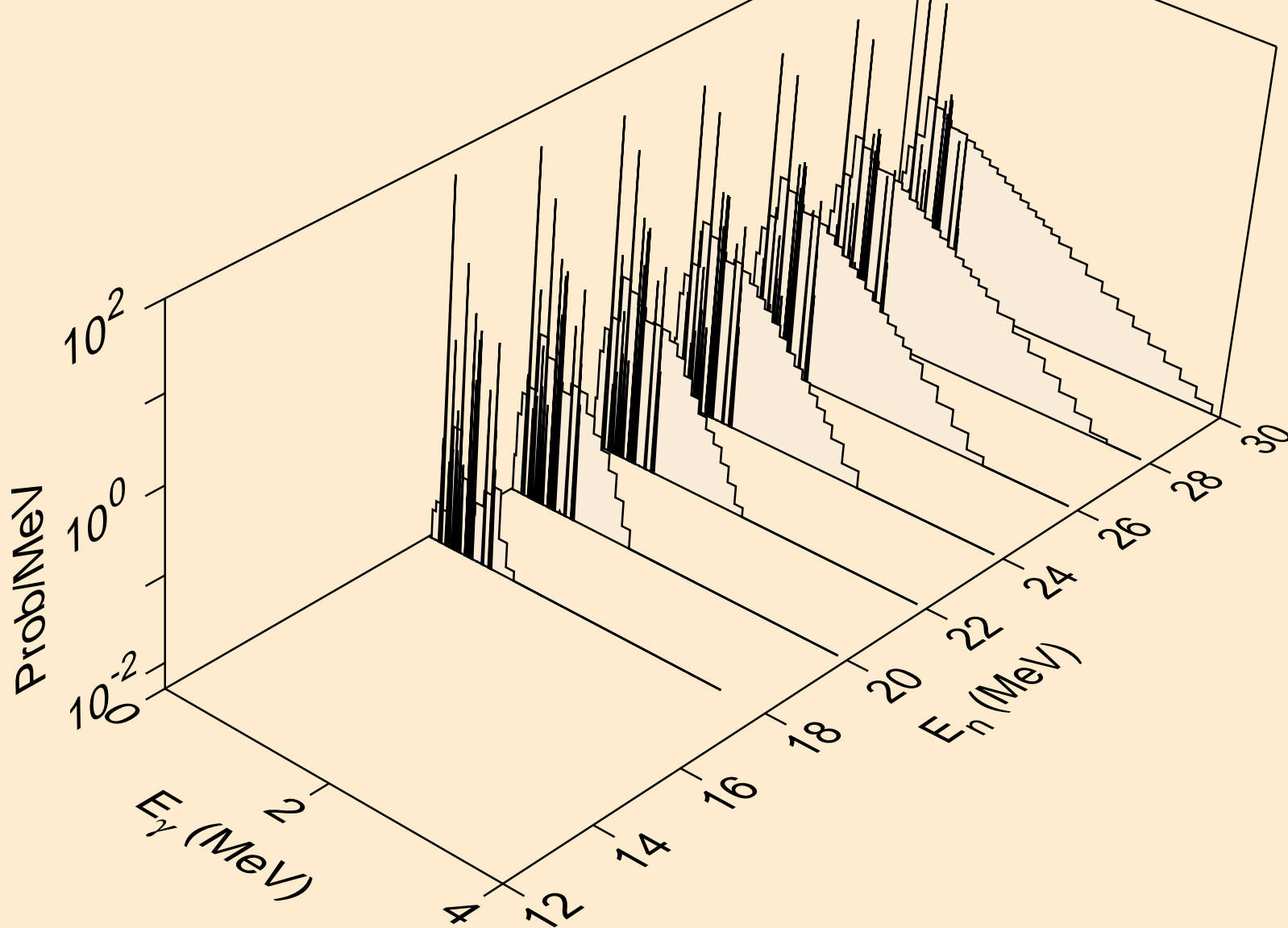




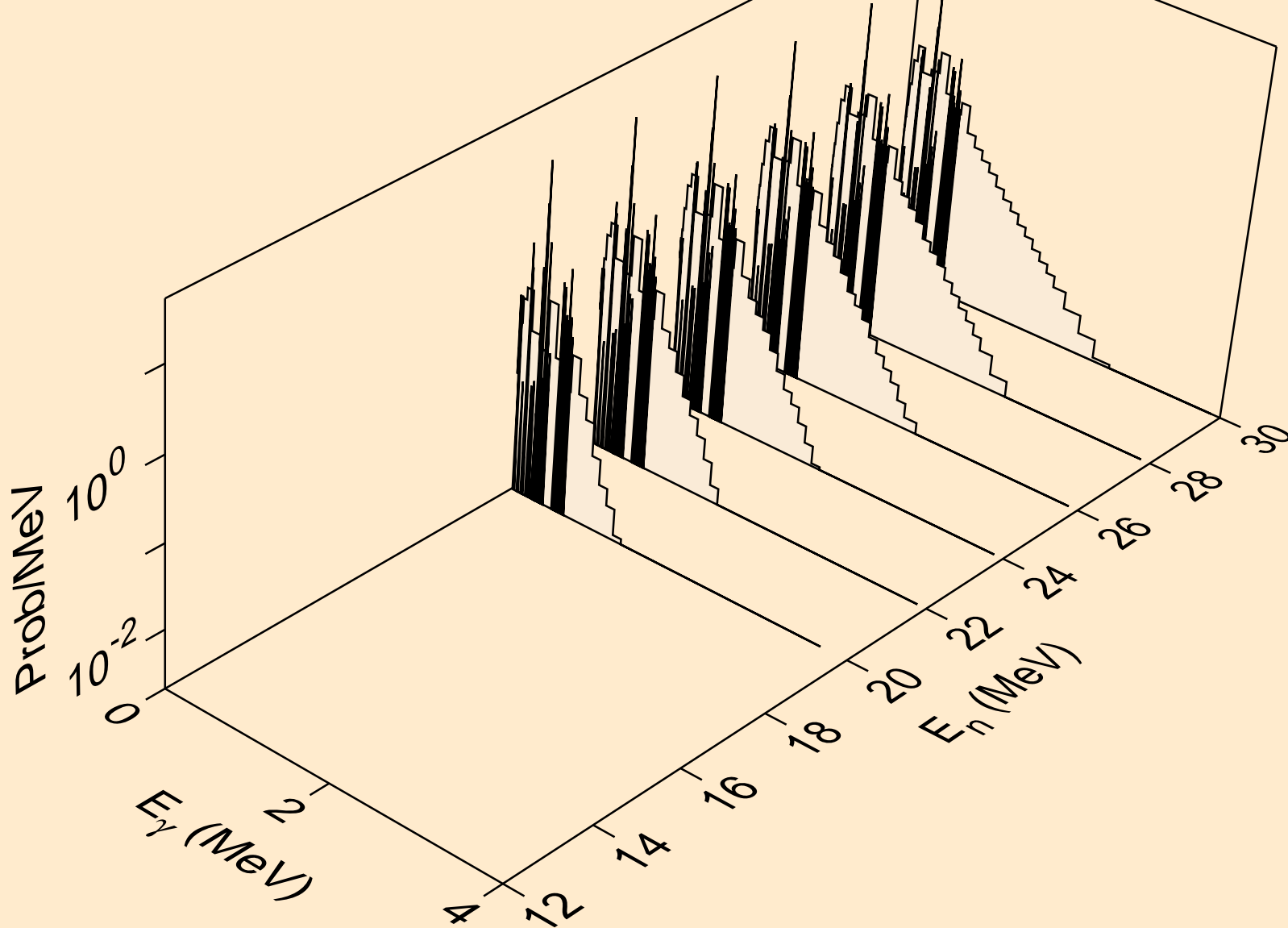
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d



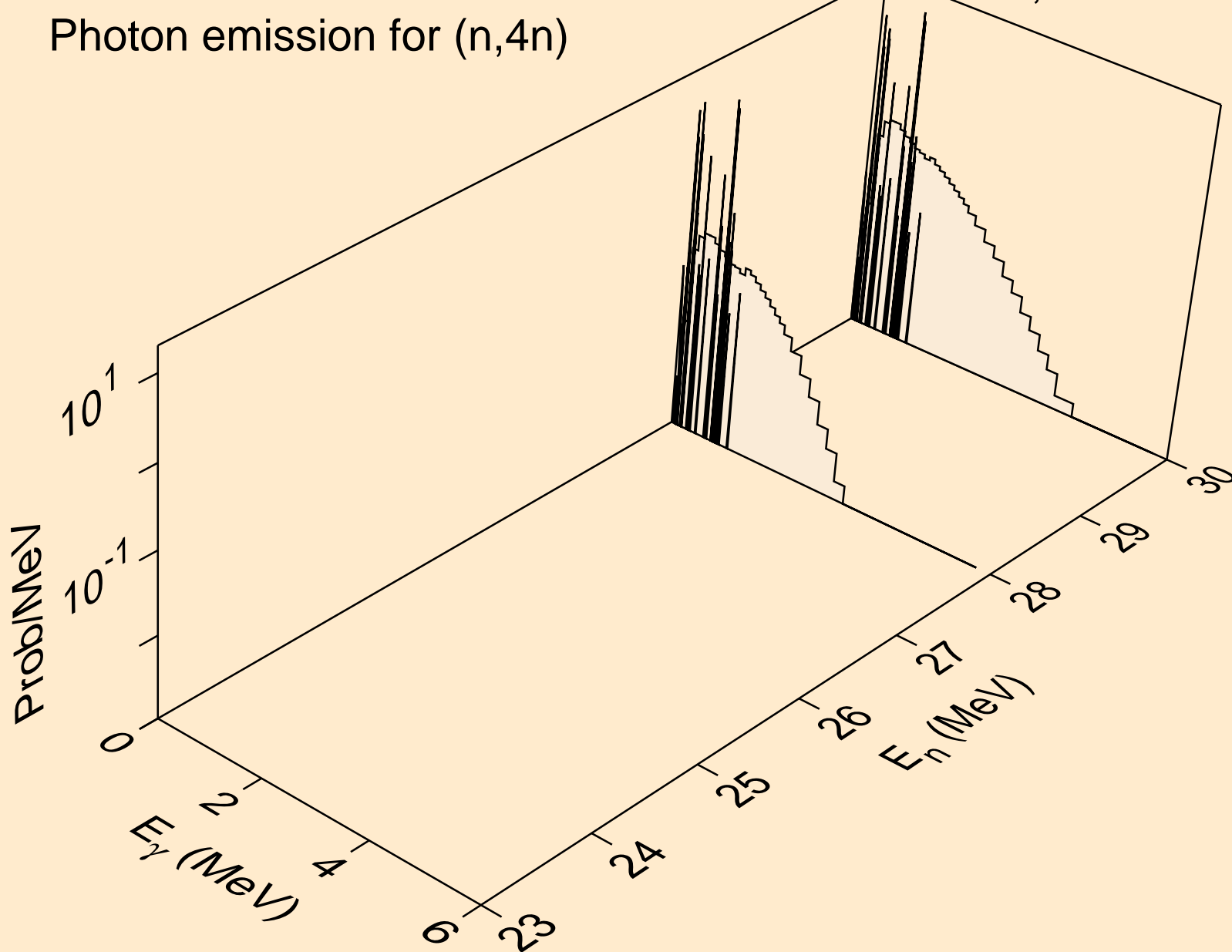
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t



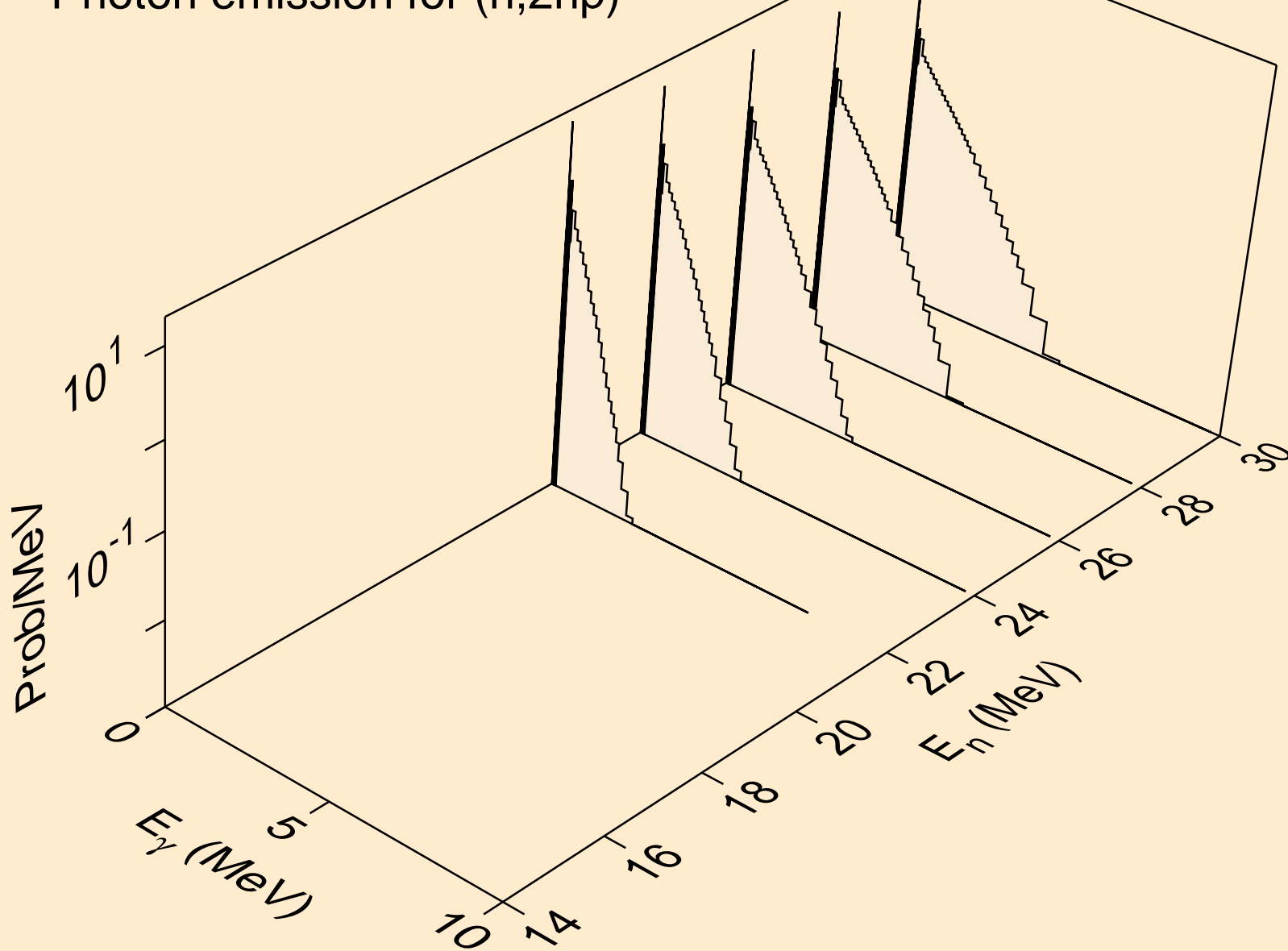
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3



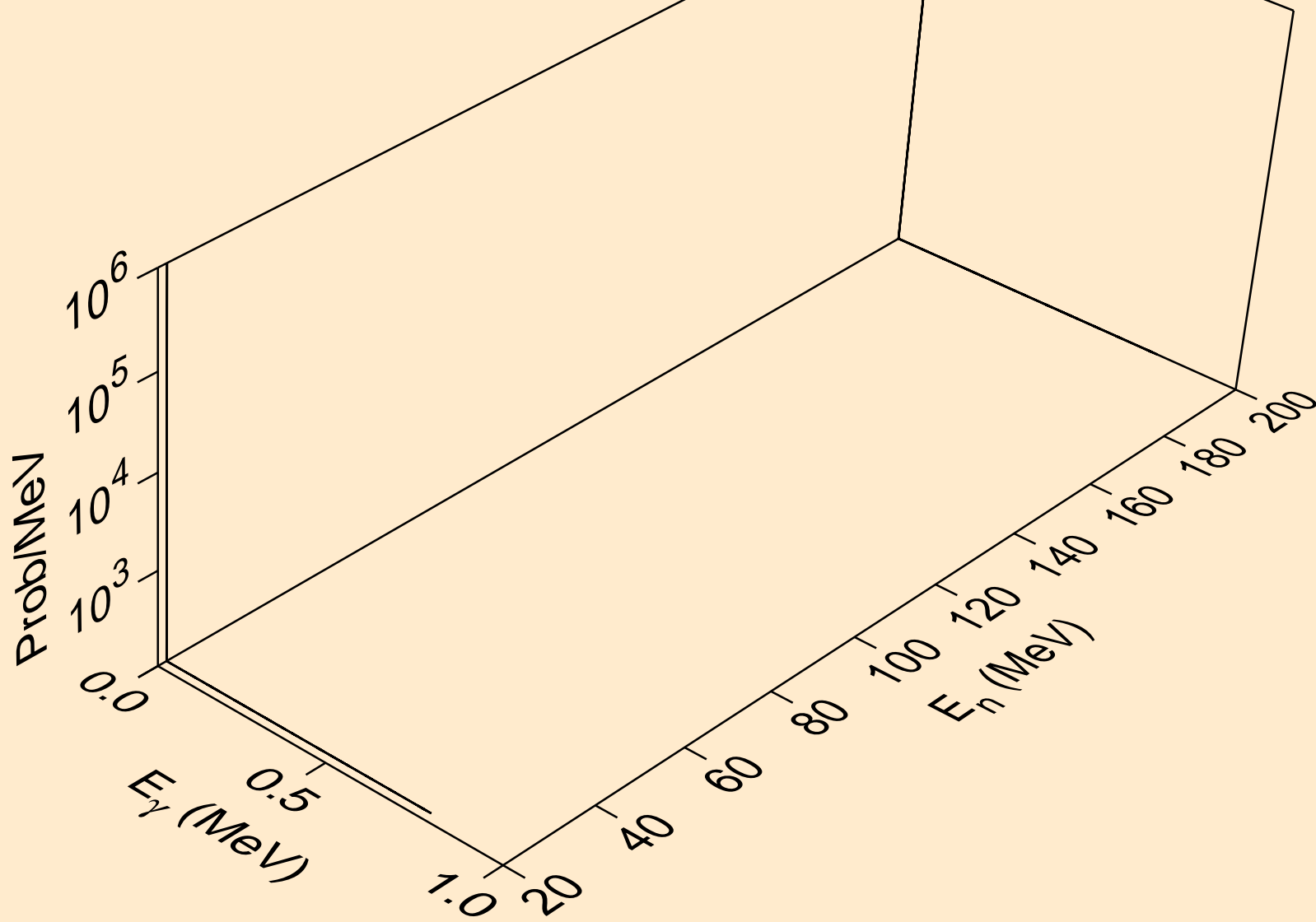
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,4n)



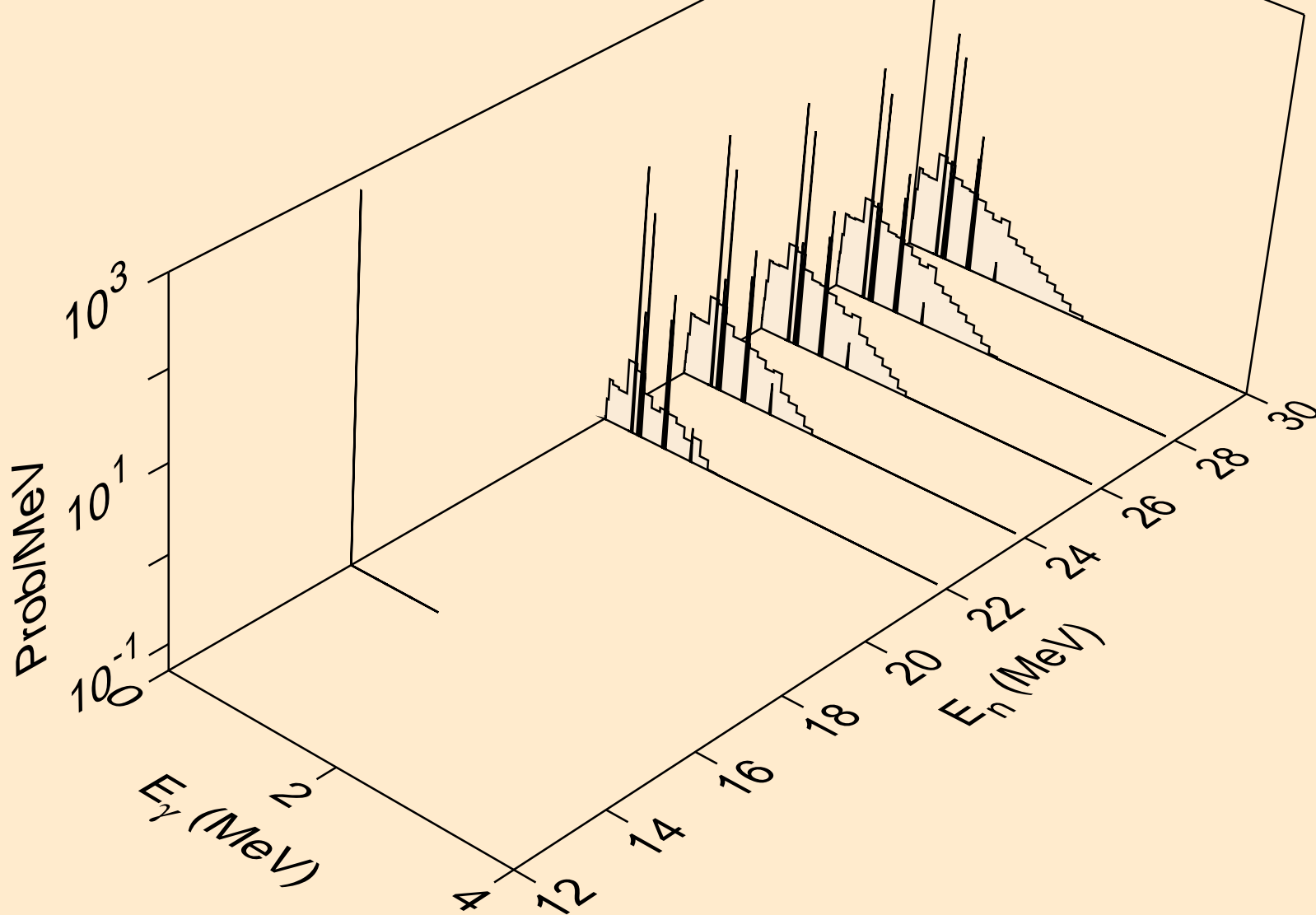
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



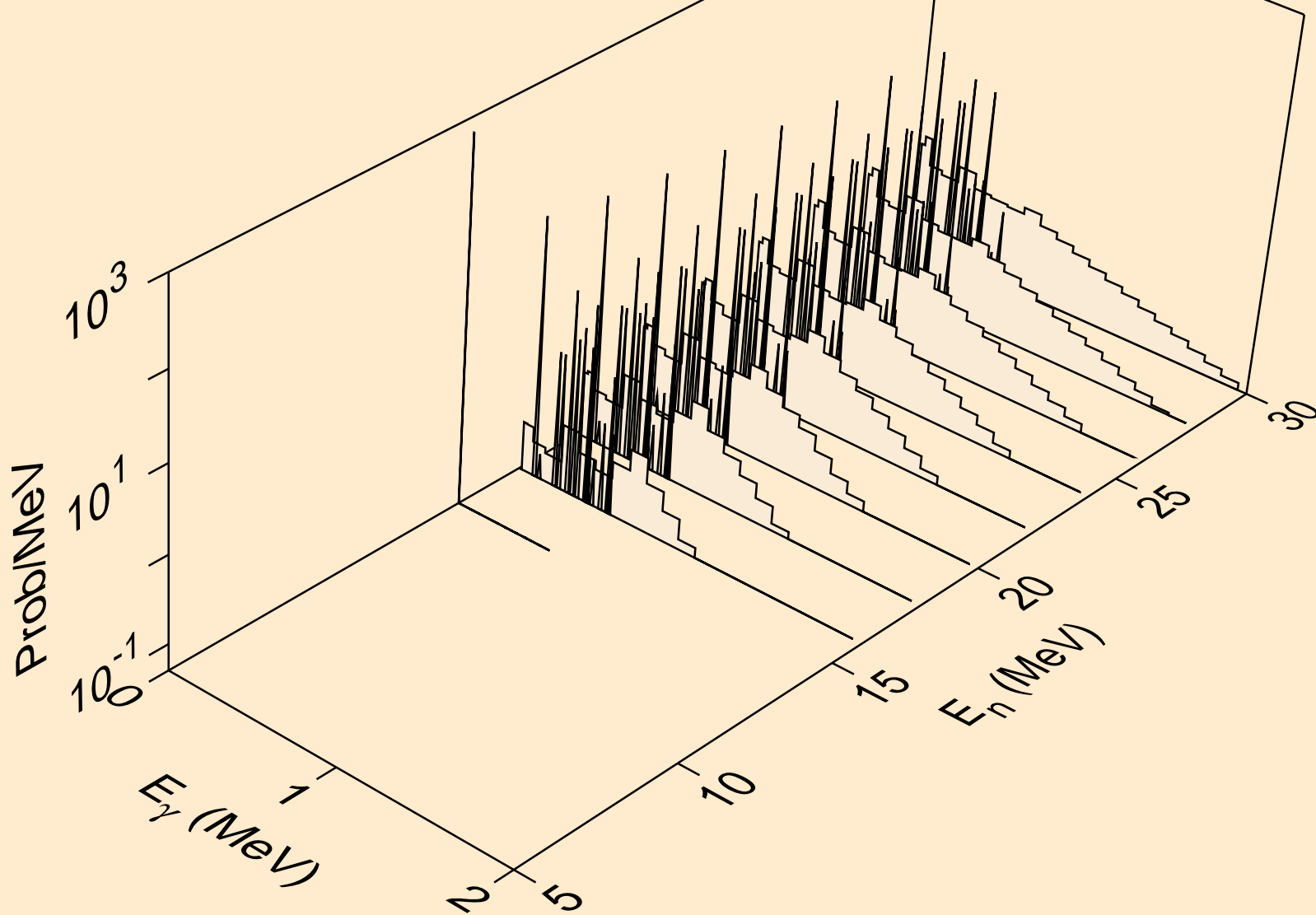
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3np)



GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)

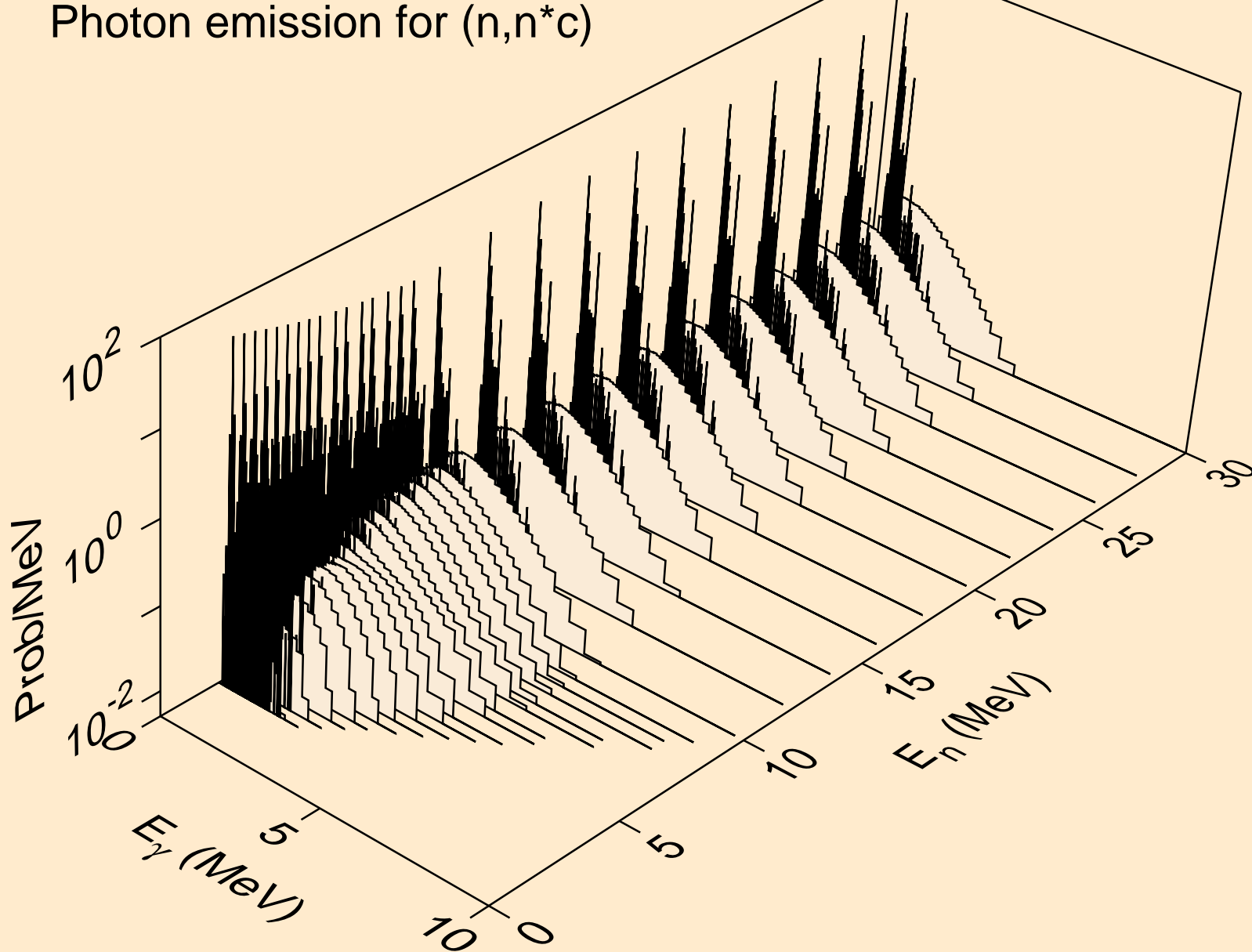


GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,npa)

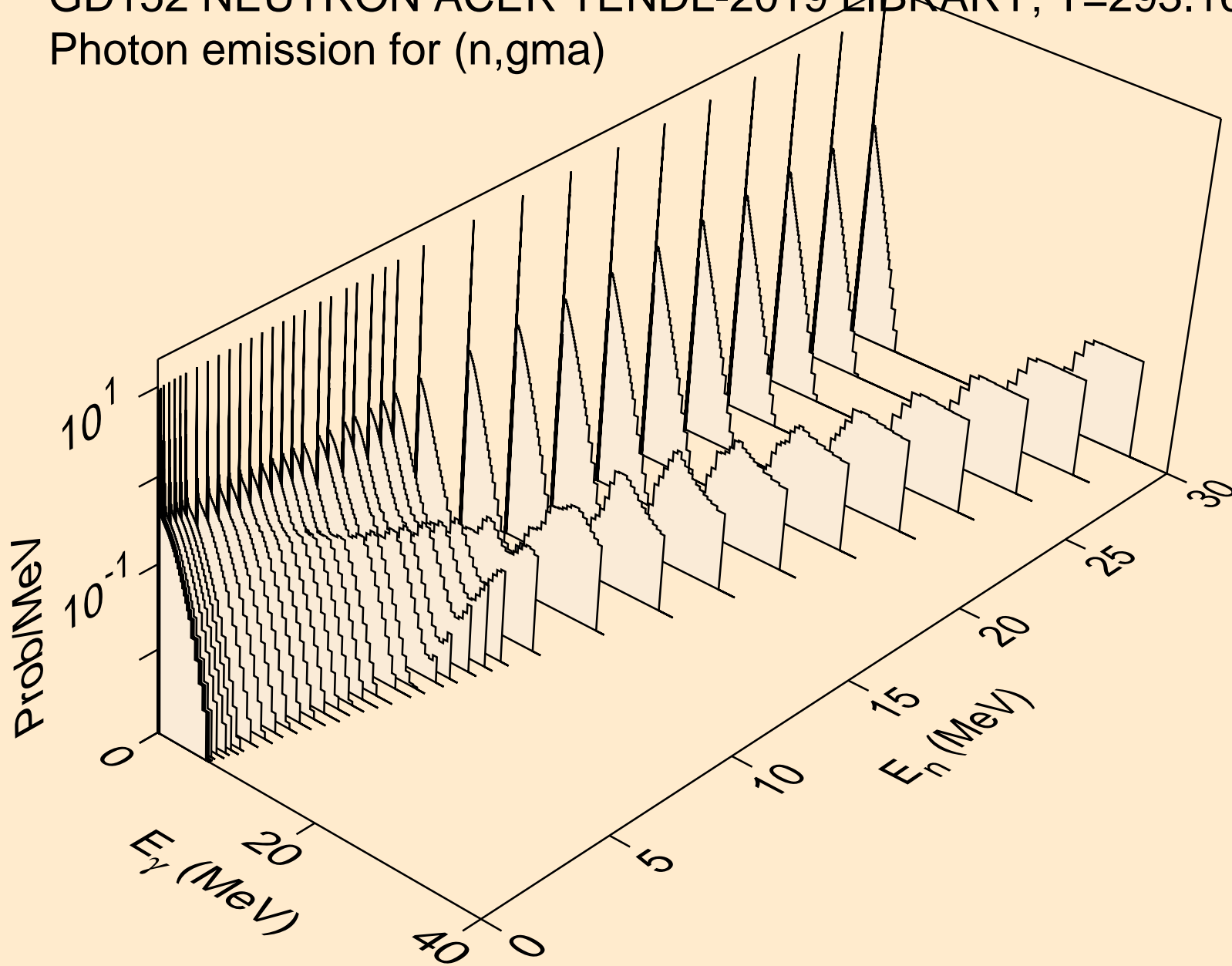




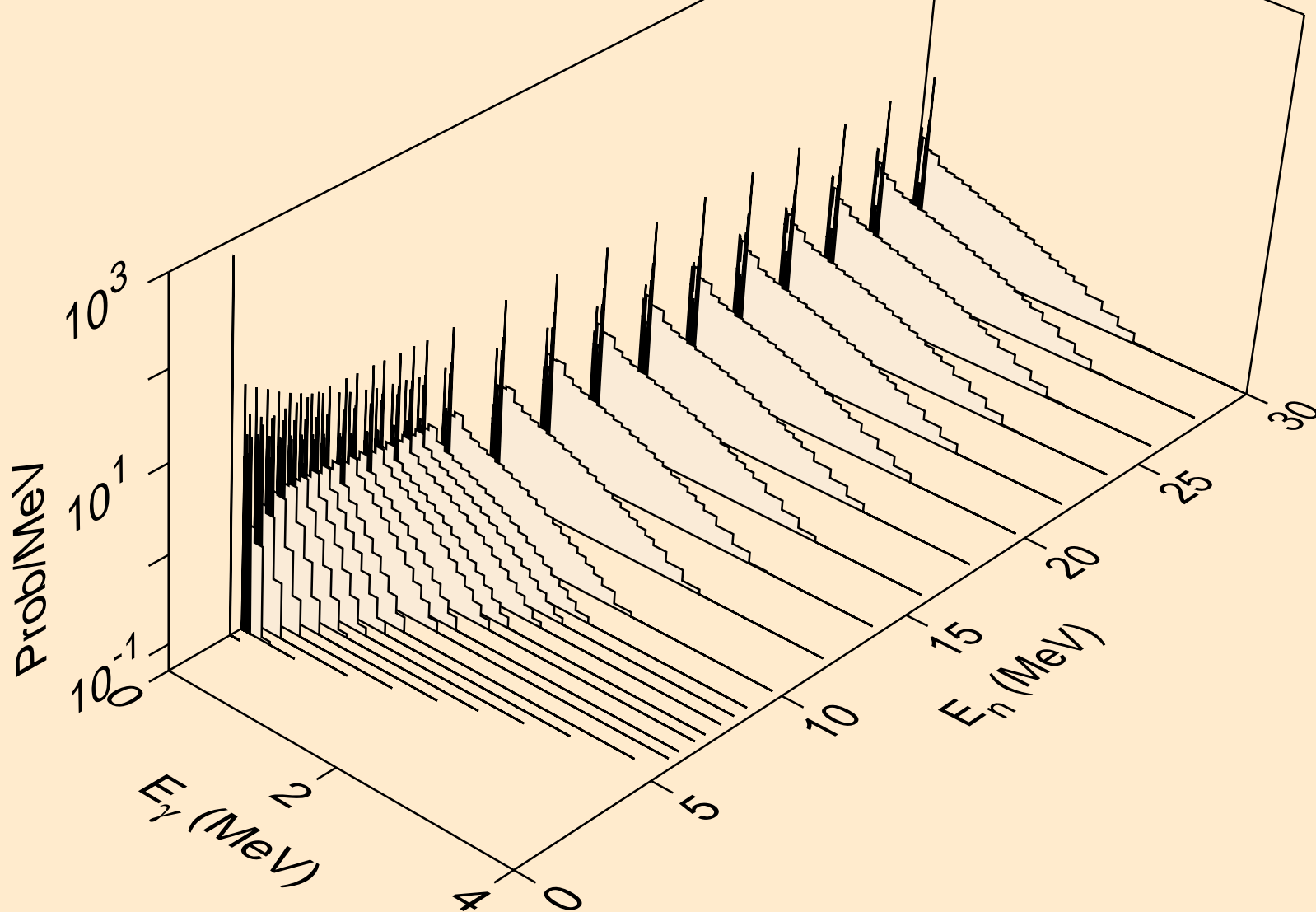
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)



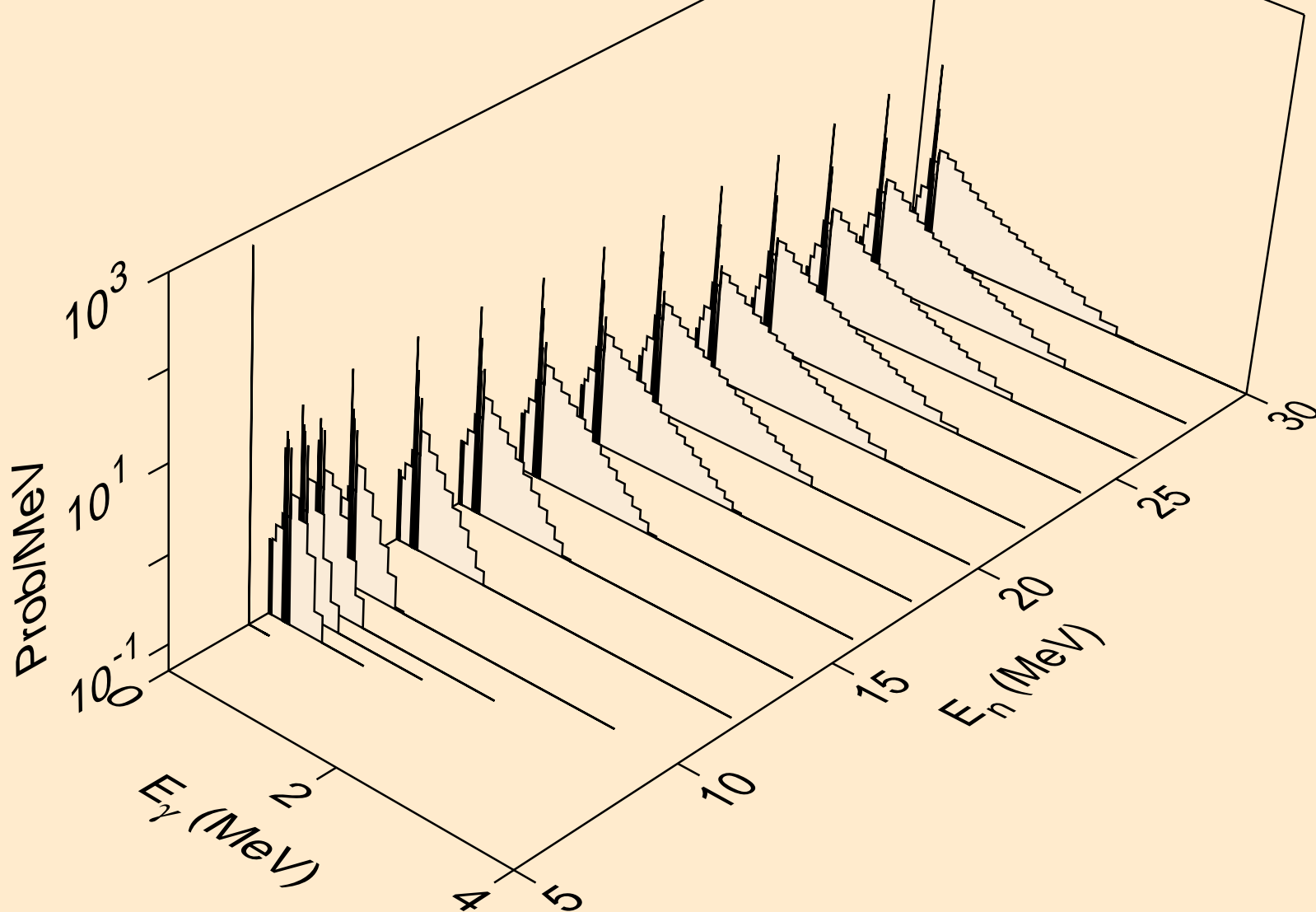
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)



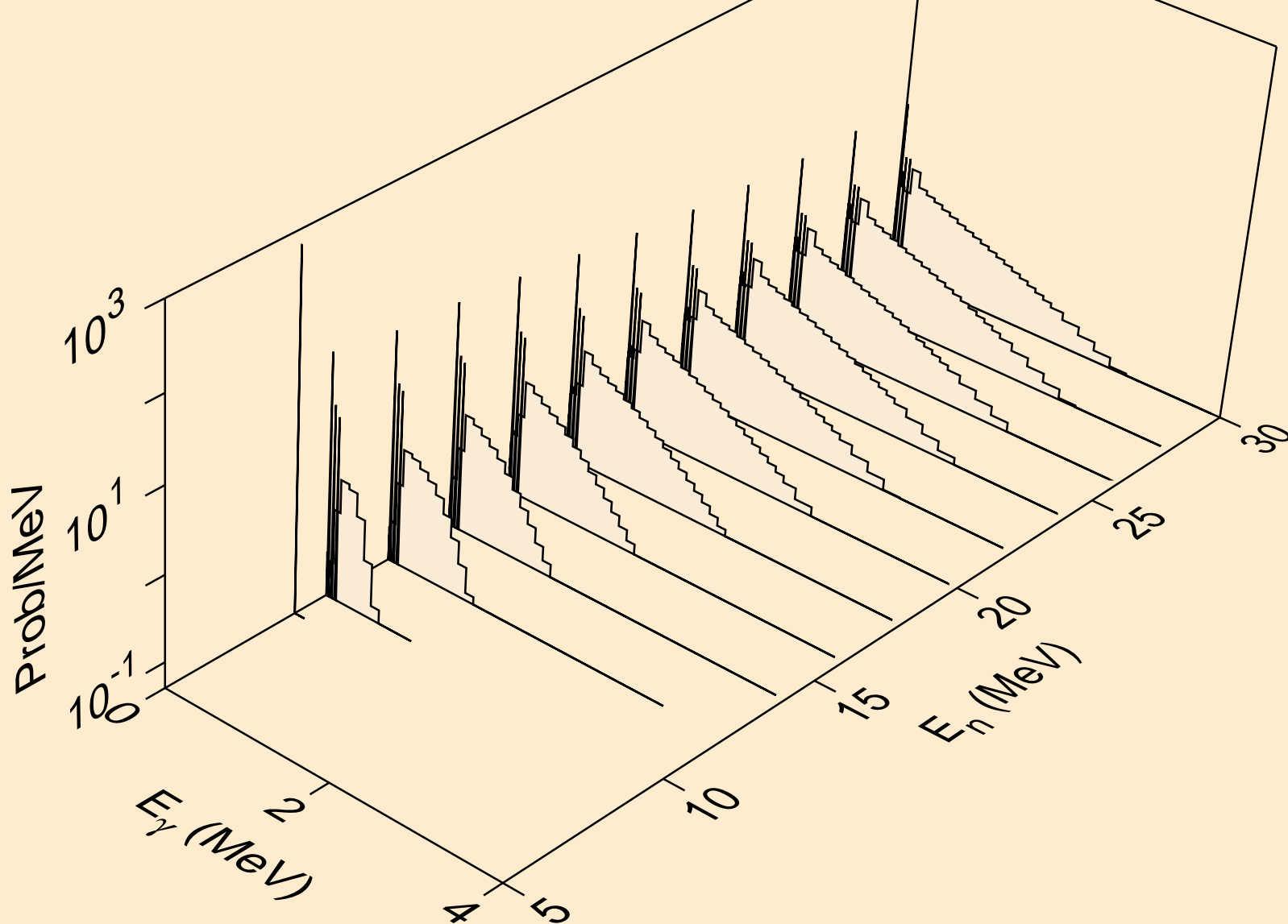
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)



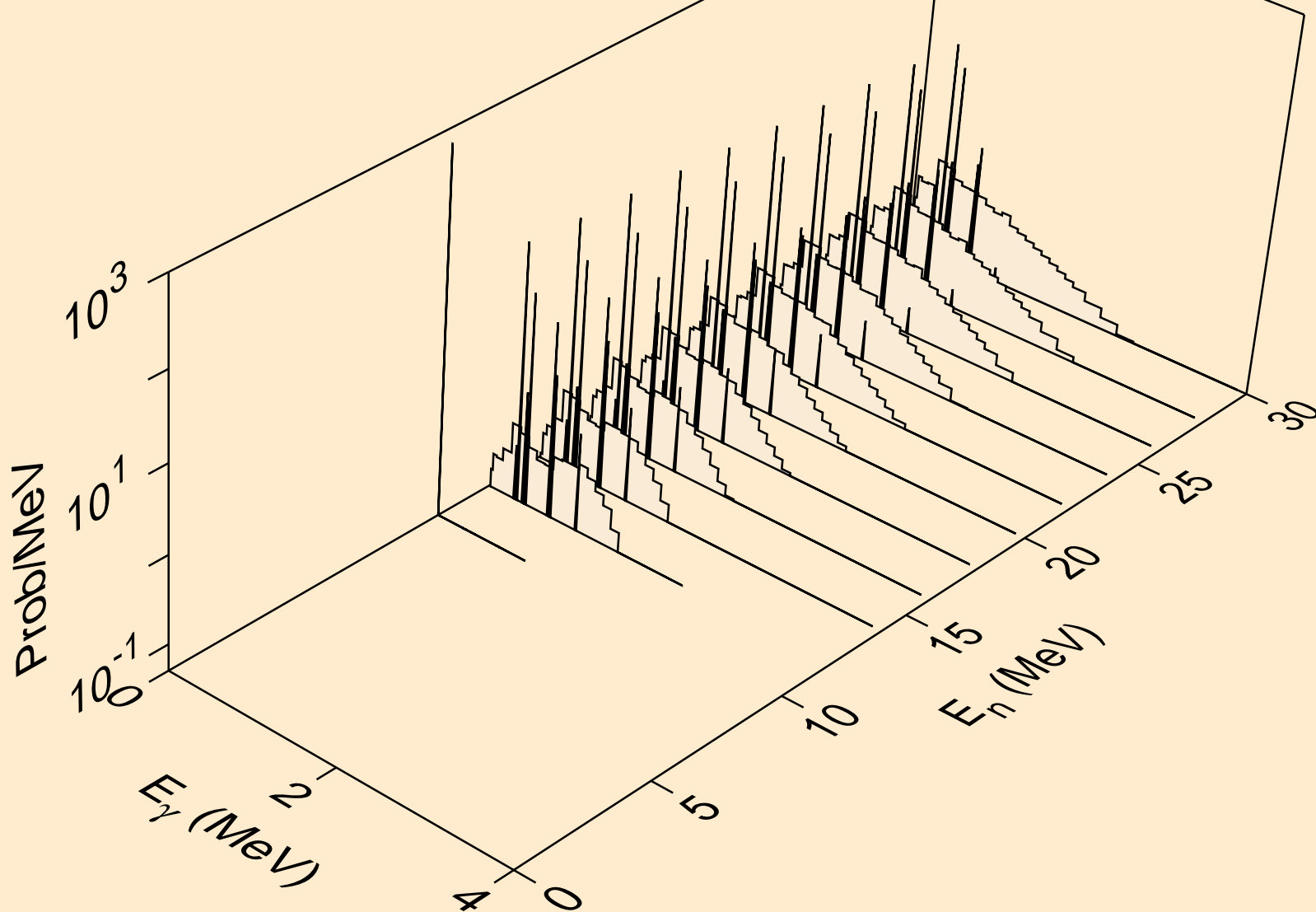
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)



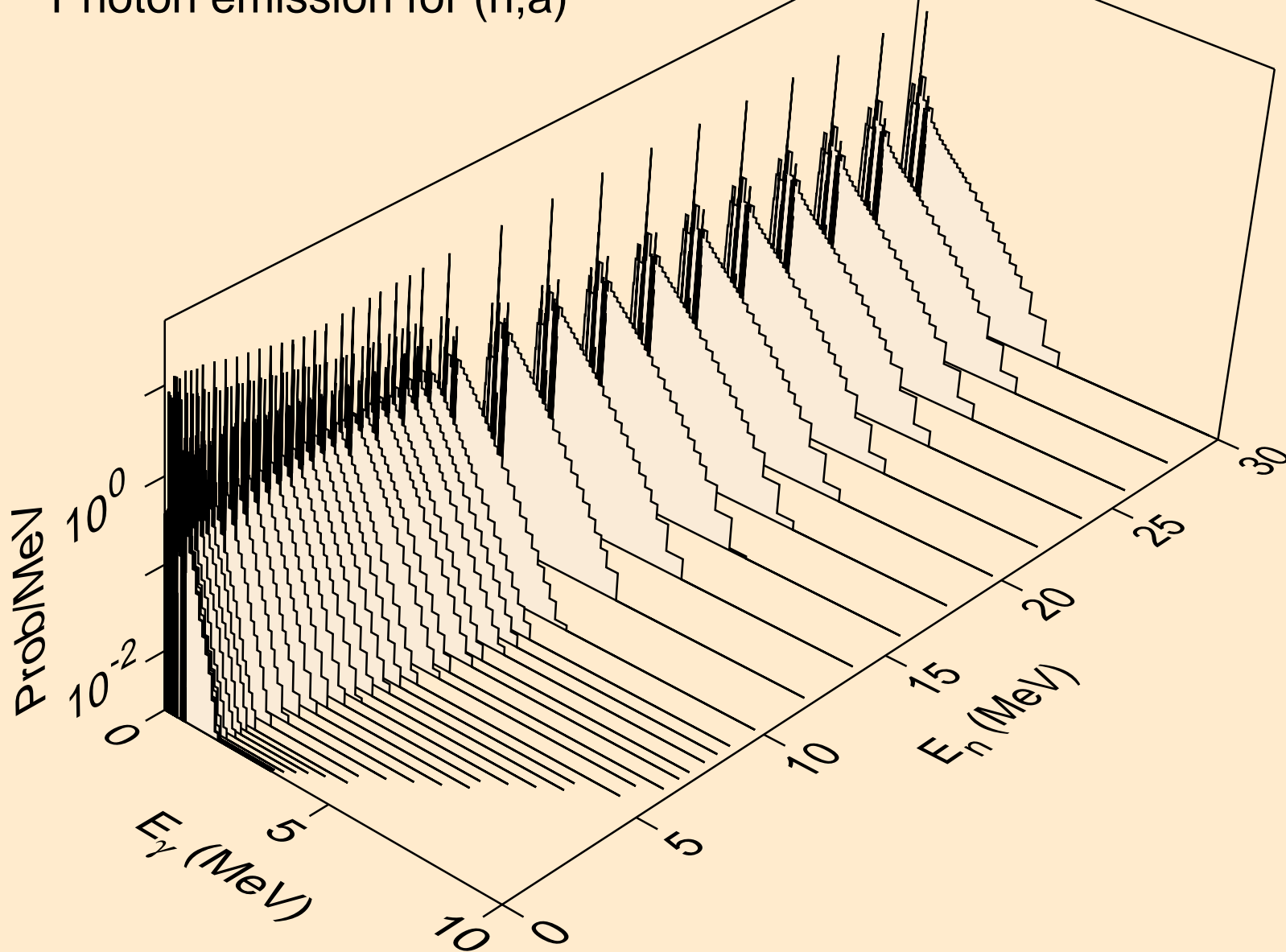
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)



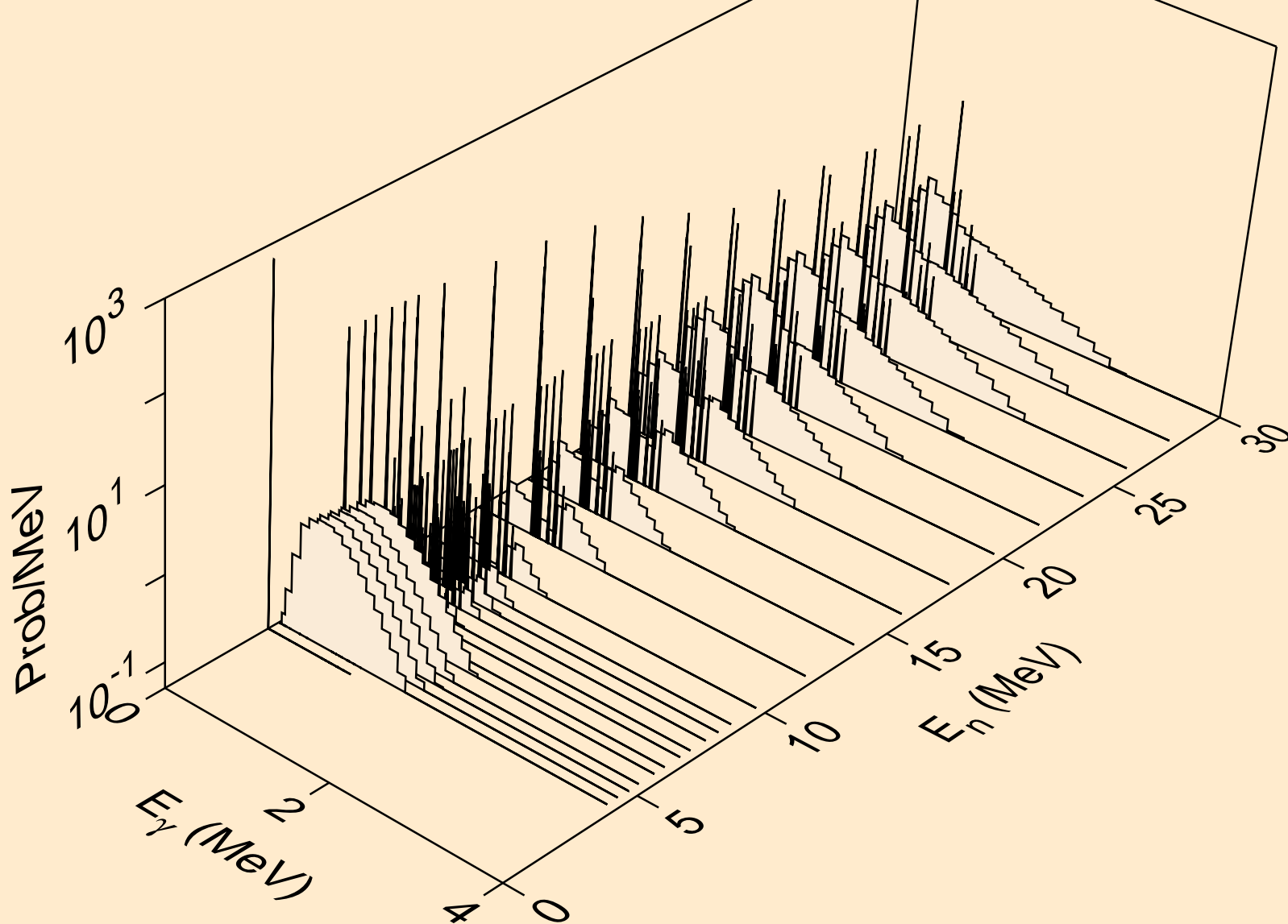
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)



GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)

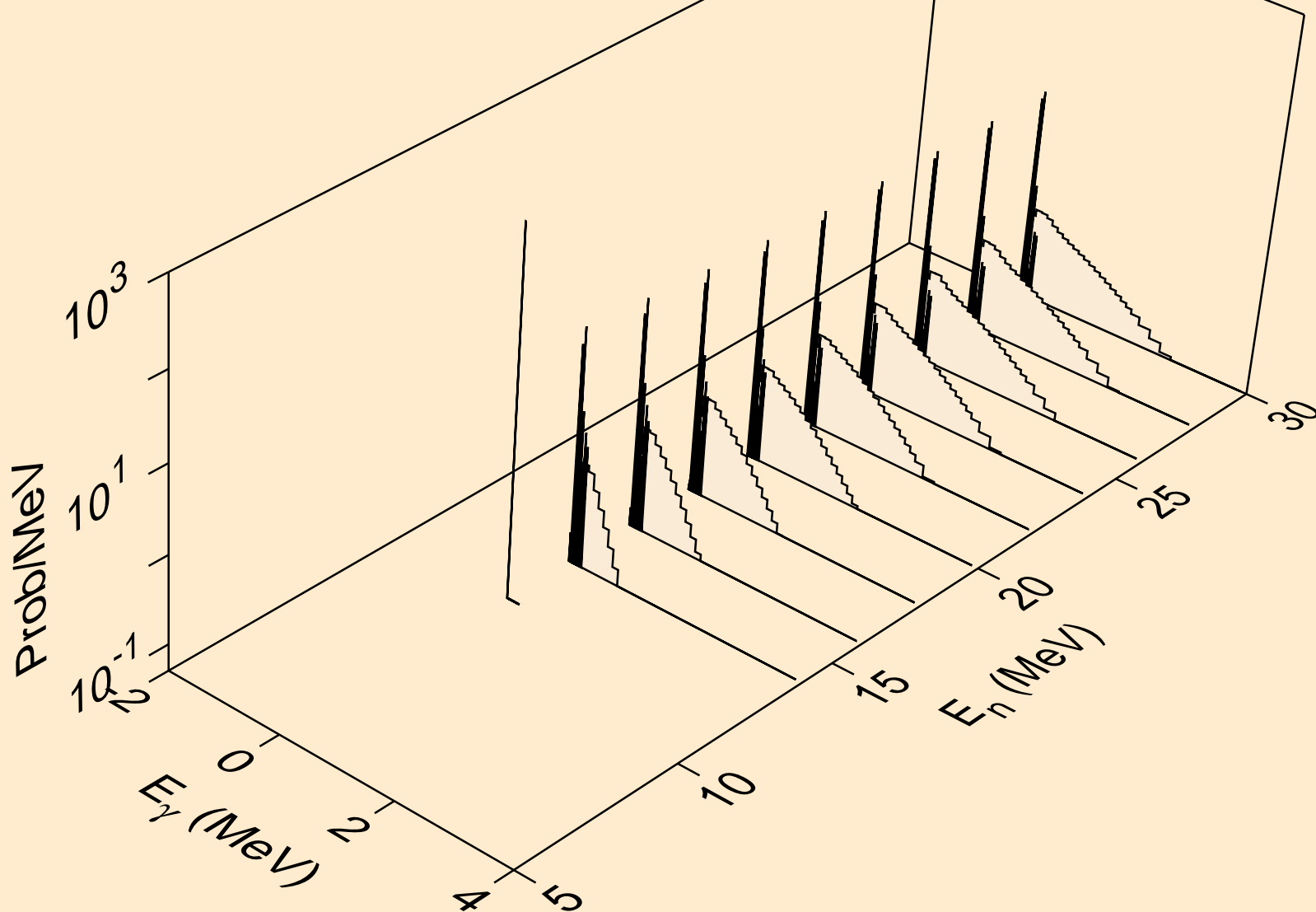


GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2a)

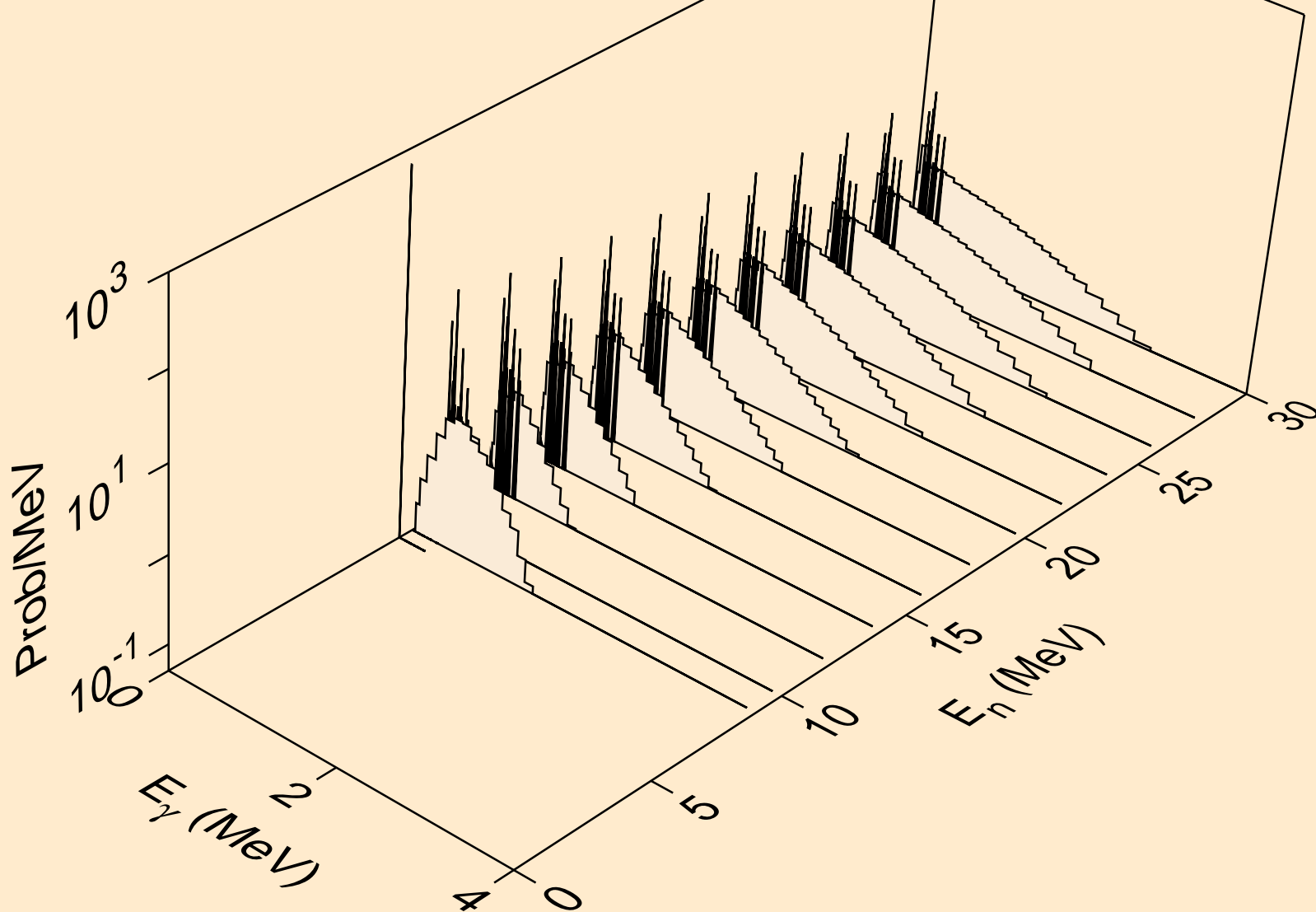




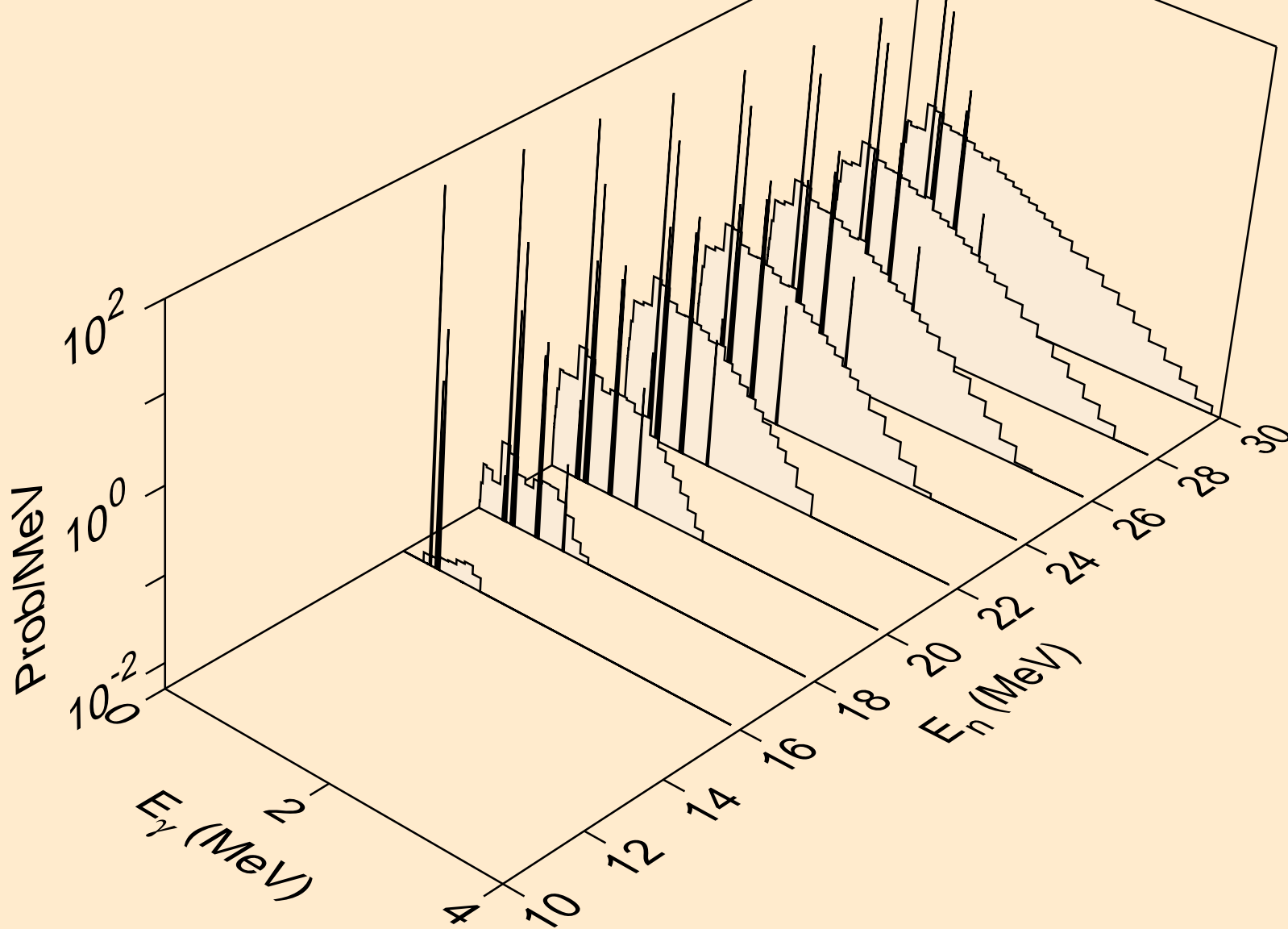
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Photon emission for (n,2p)



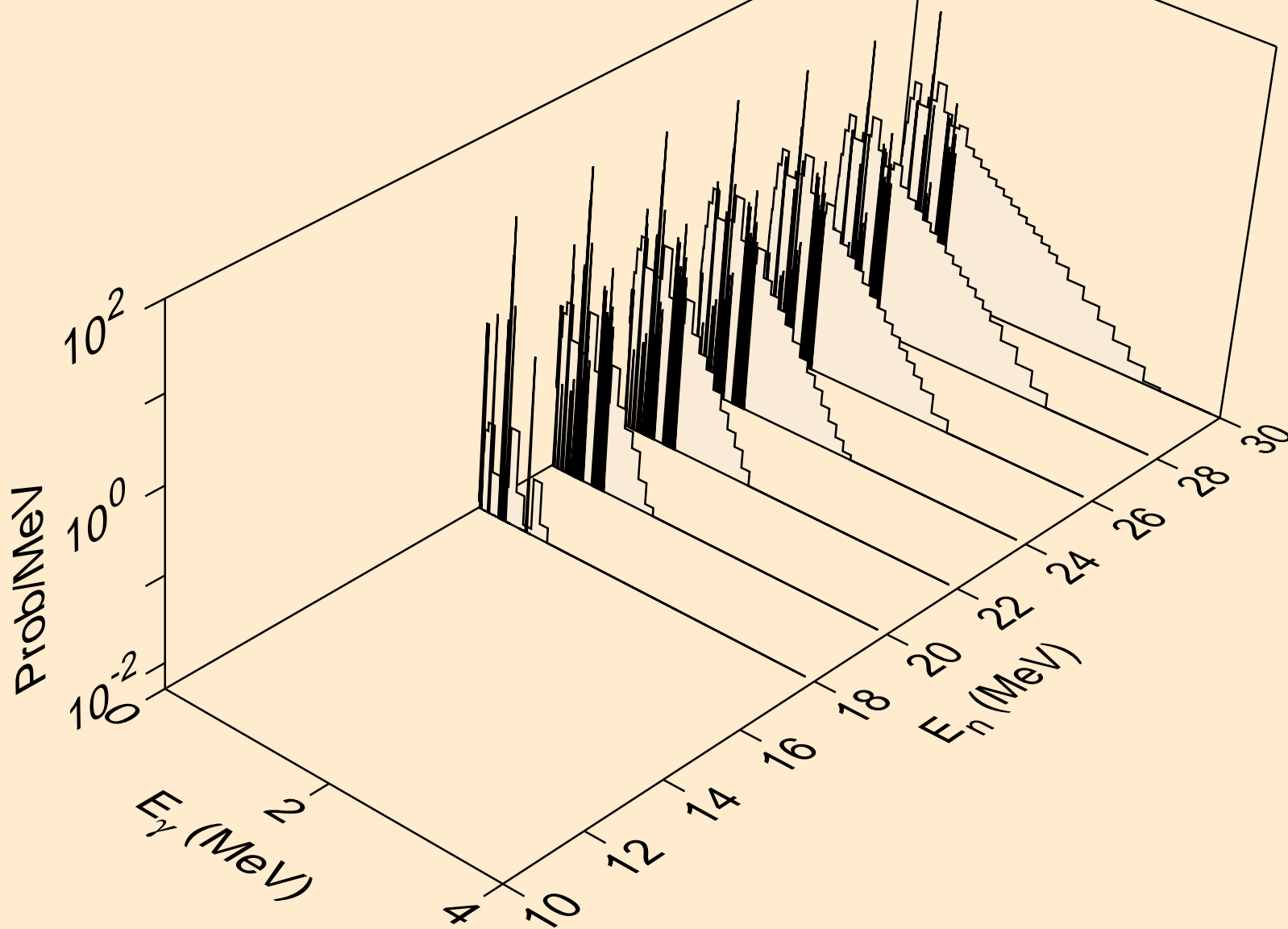
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p $\alpha$ )



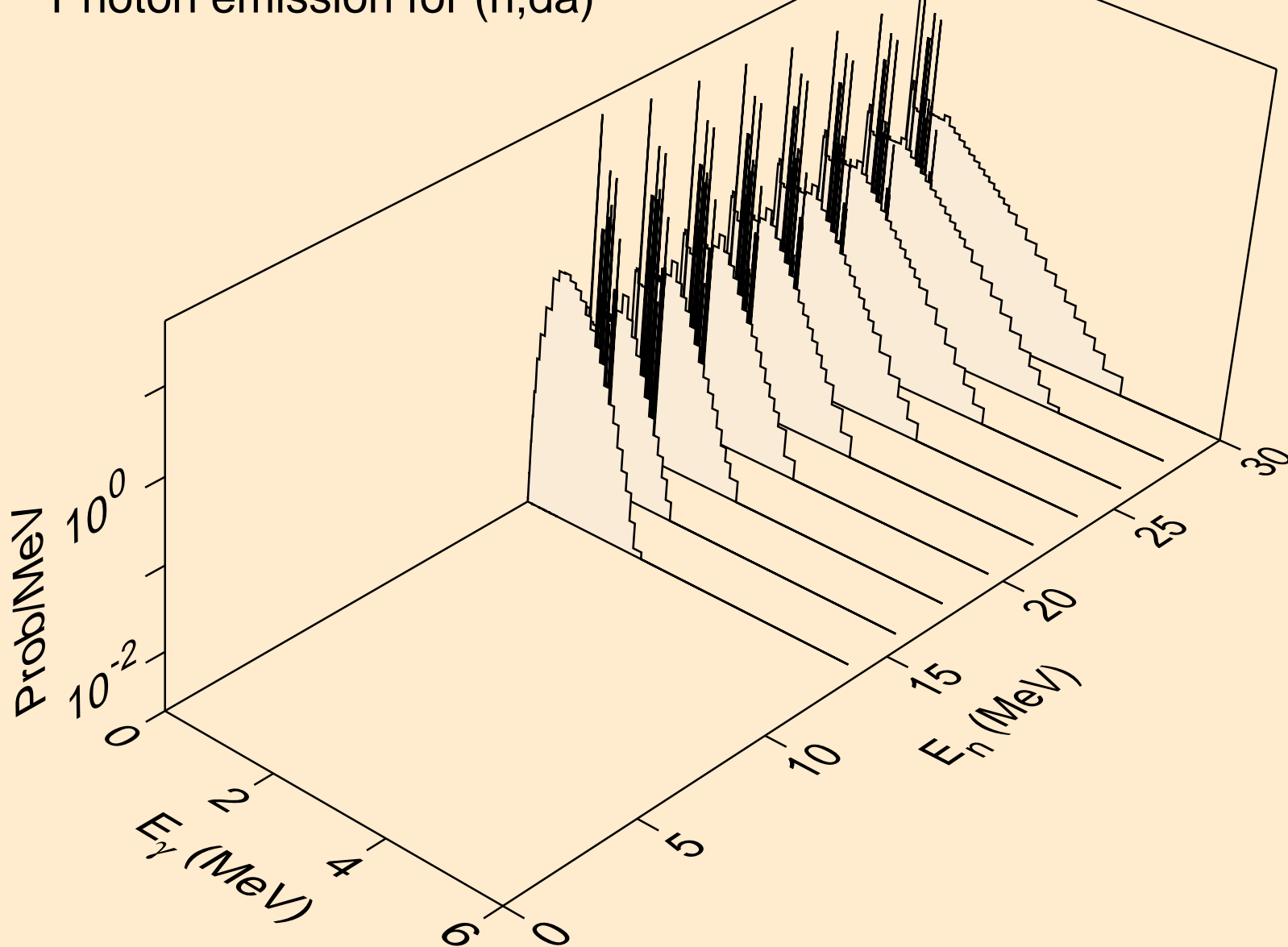
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pd)



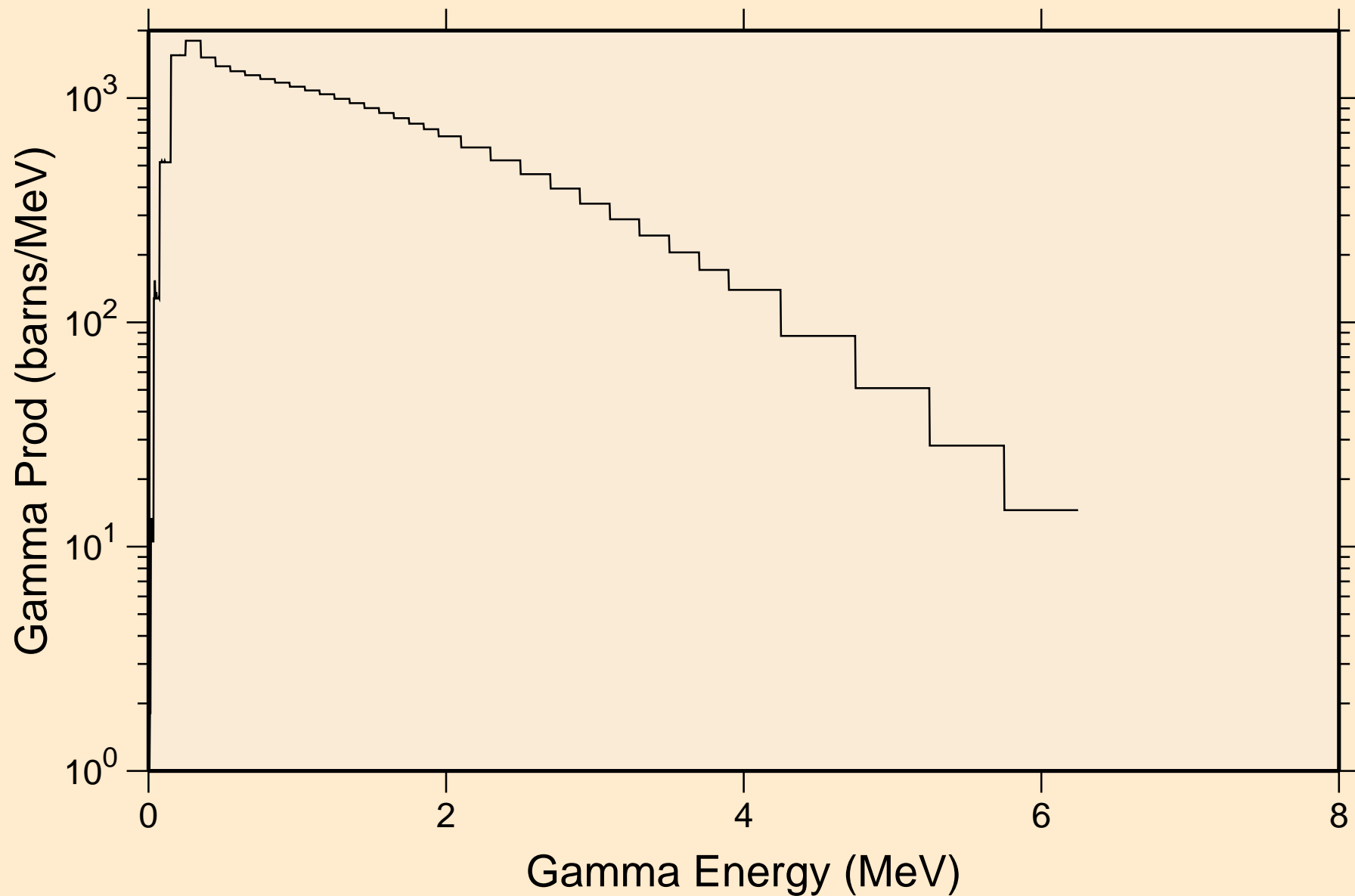
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pt)



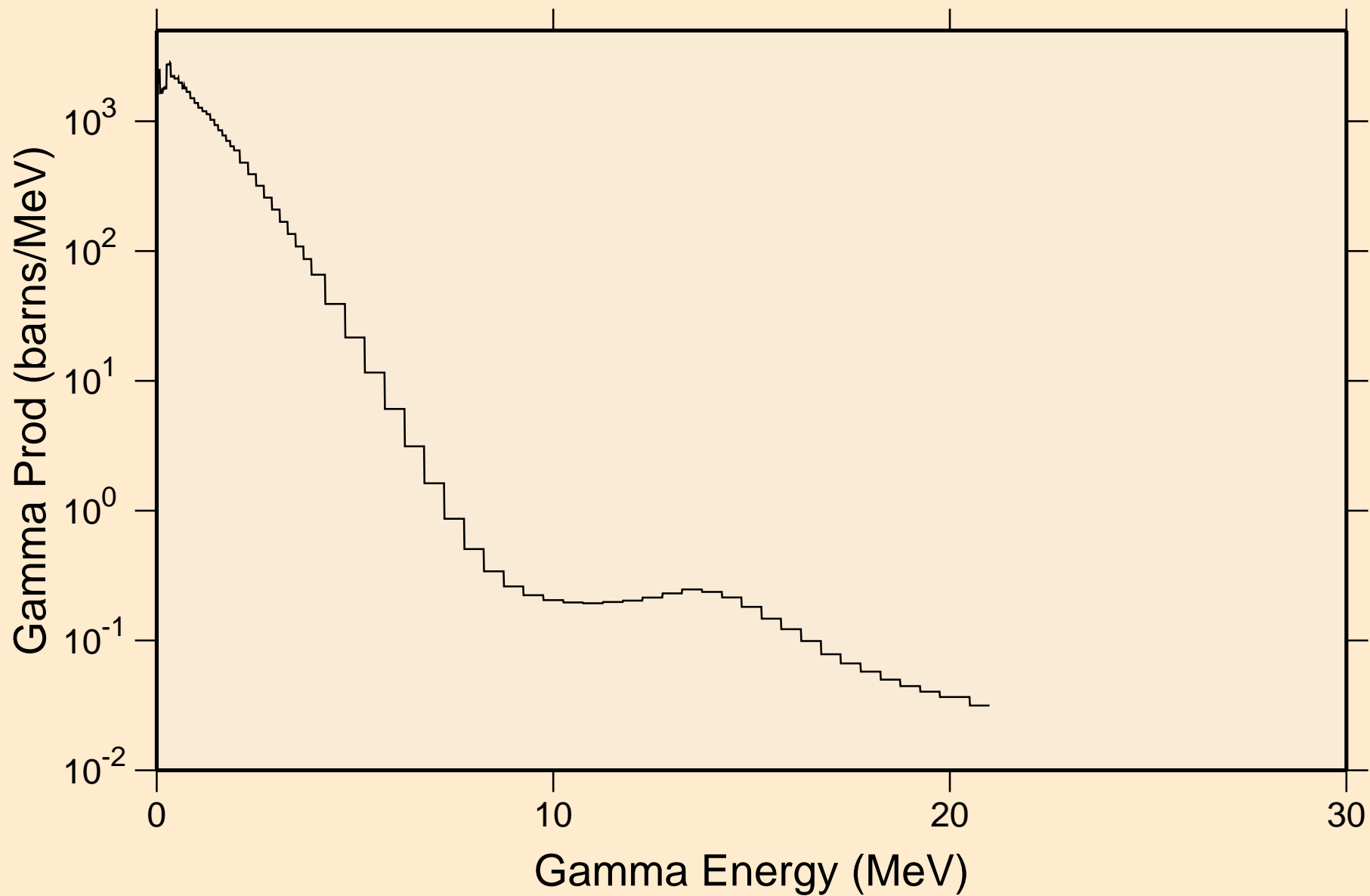
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)



GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

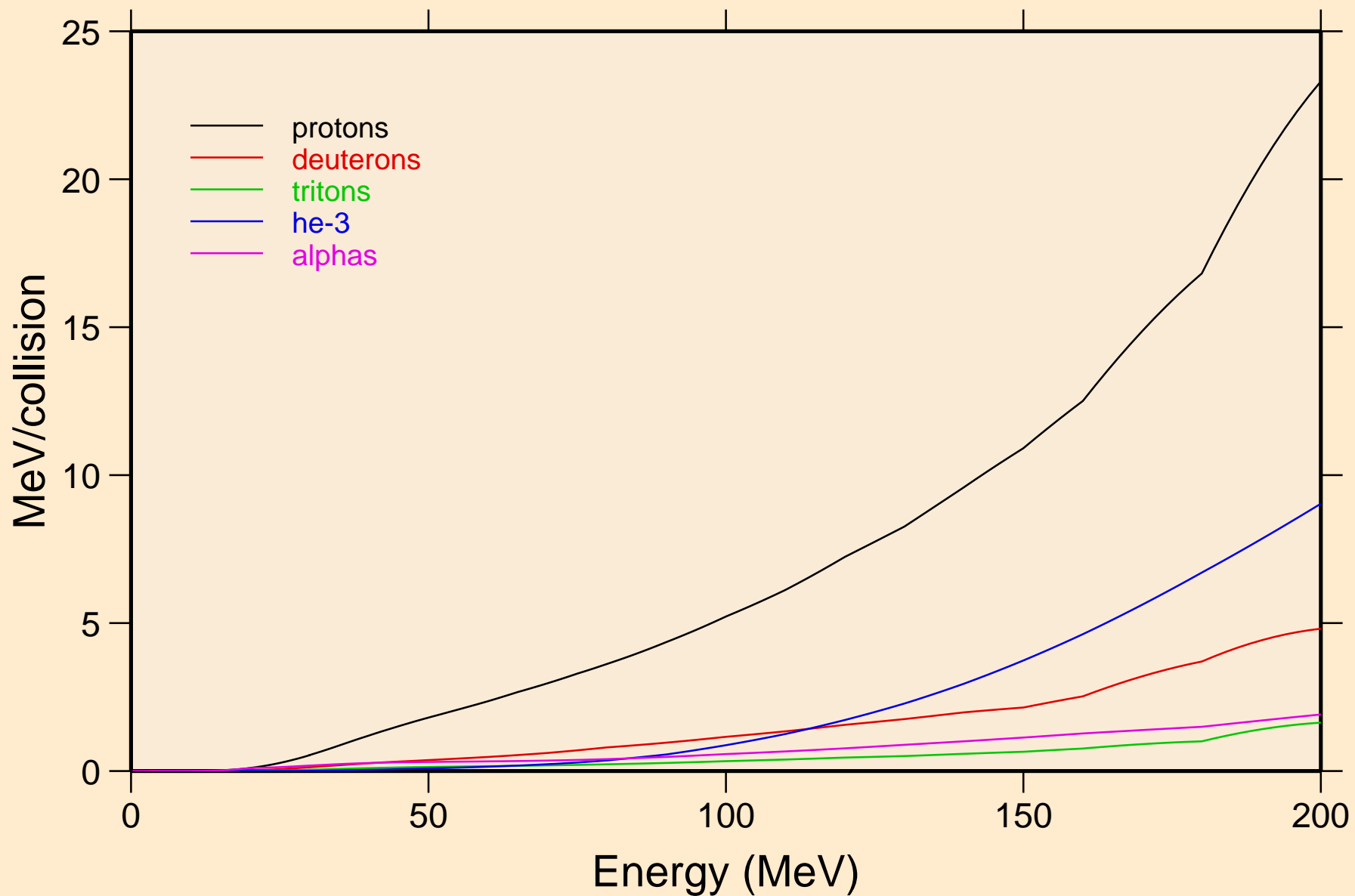


GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum



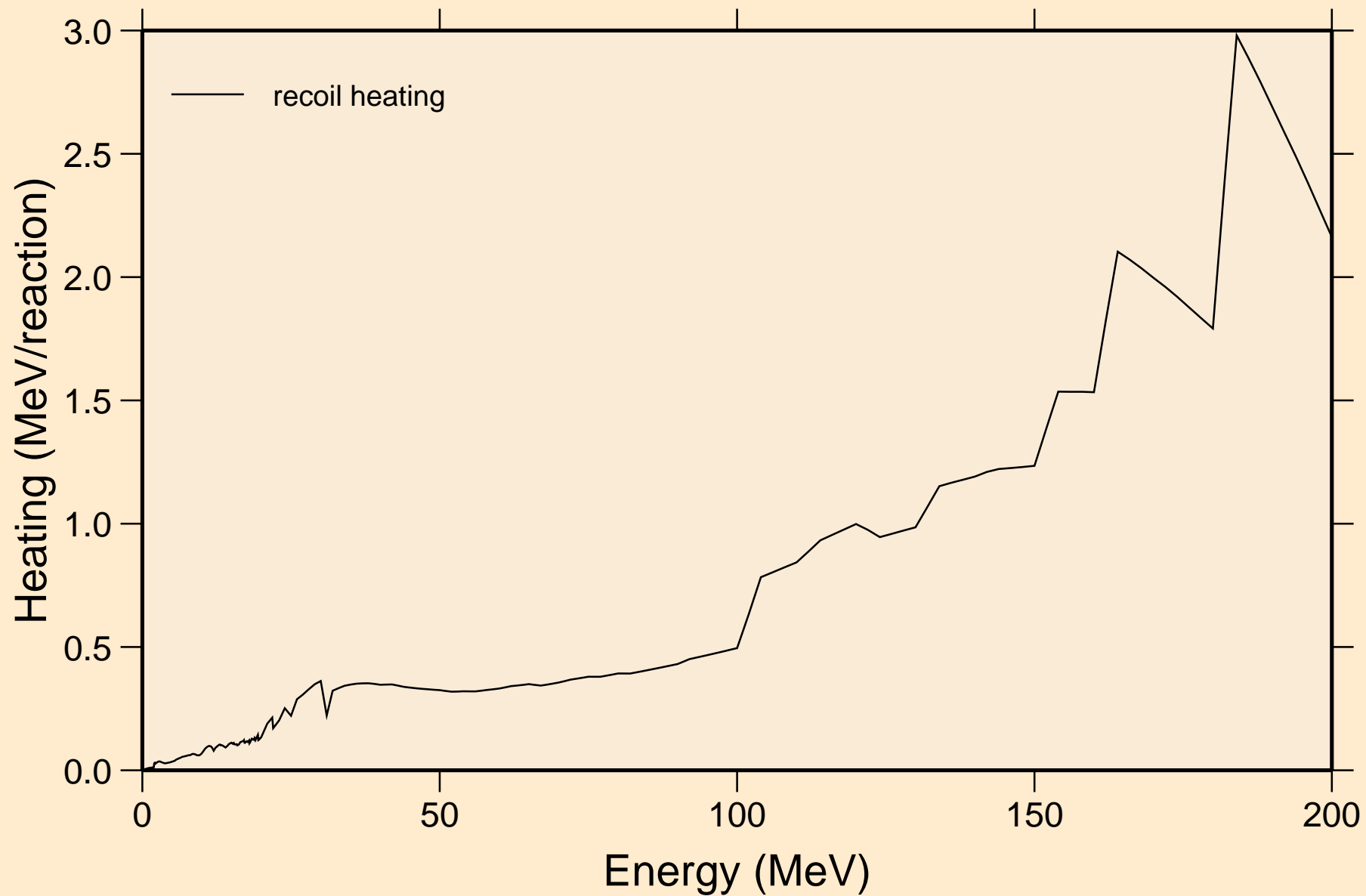
# GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Particle heating contributions



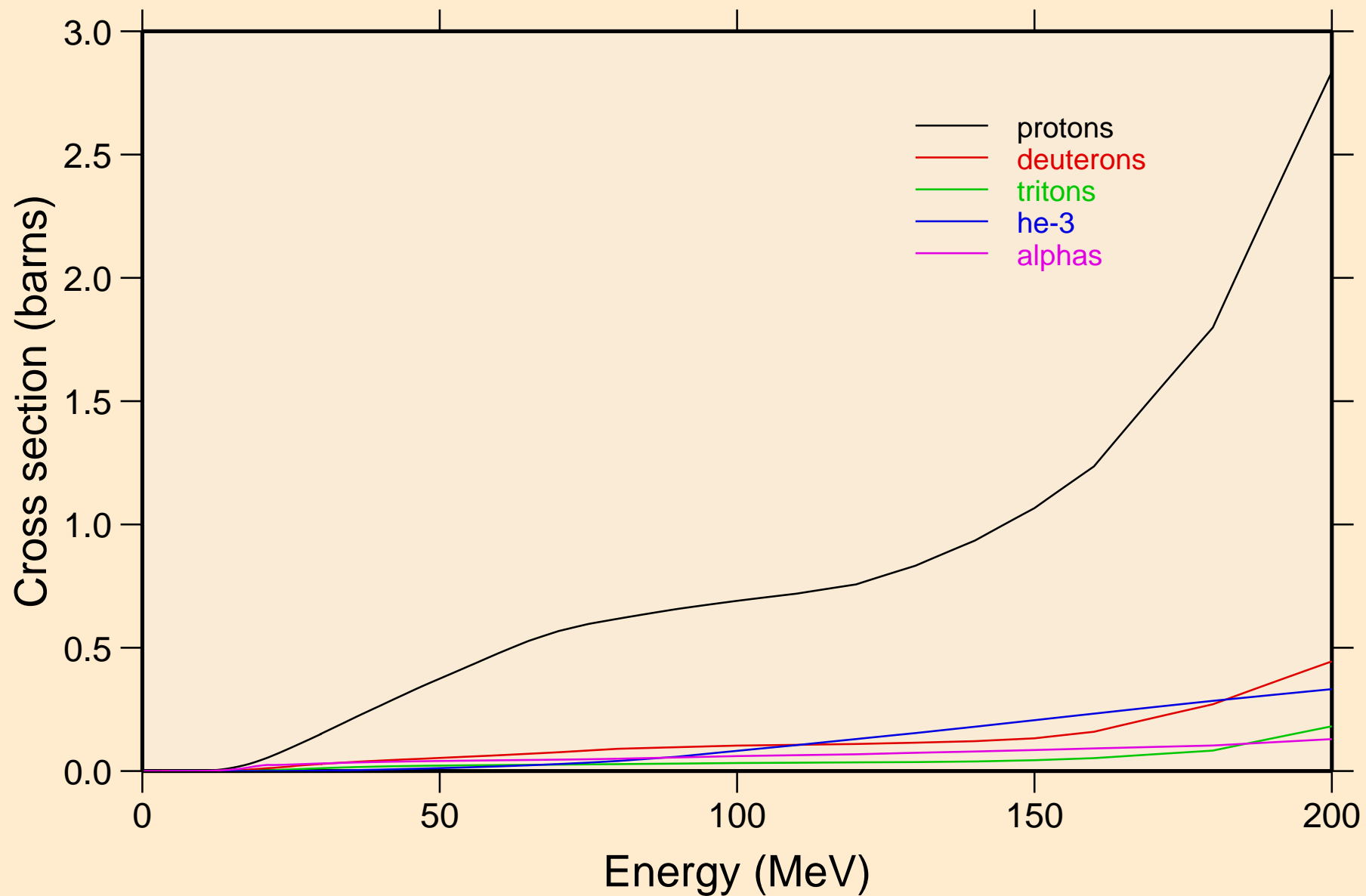


GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating

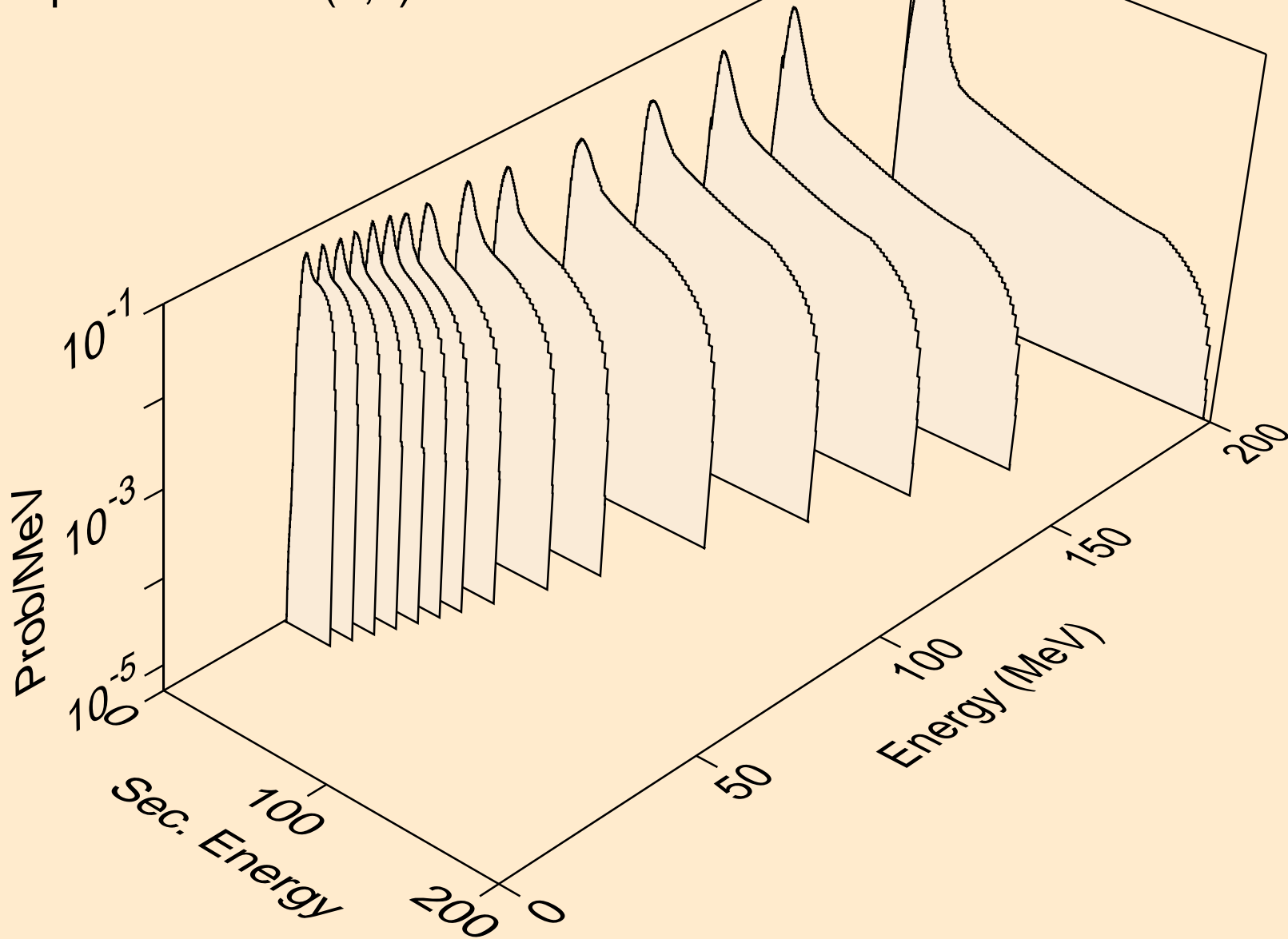


# GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

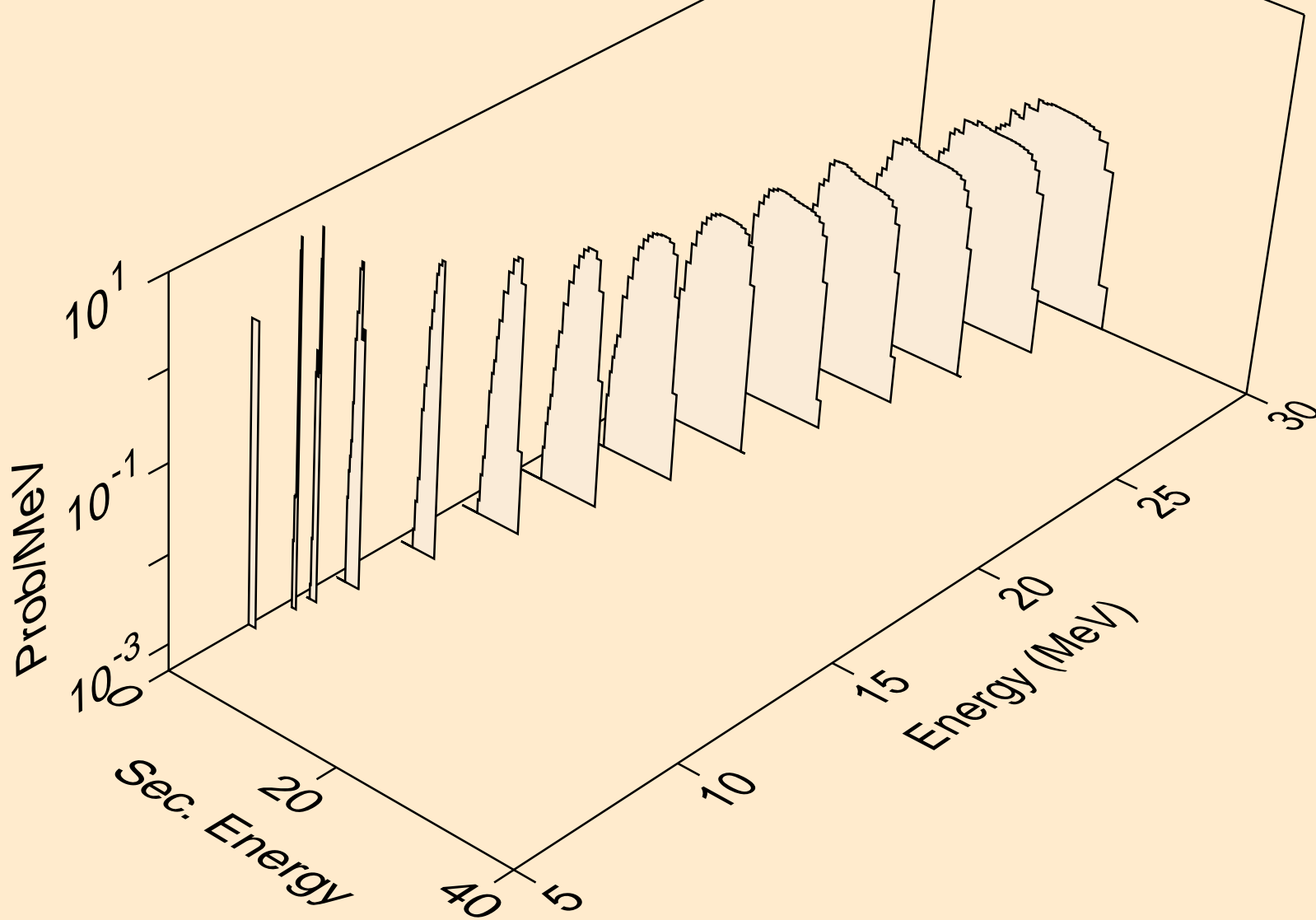
## Particle production cross sections



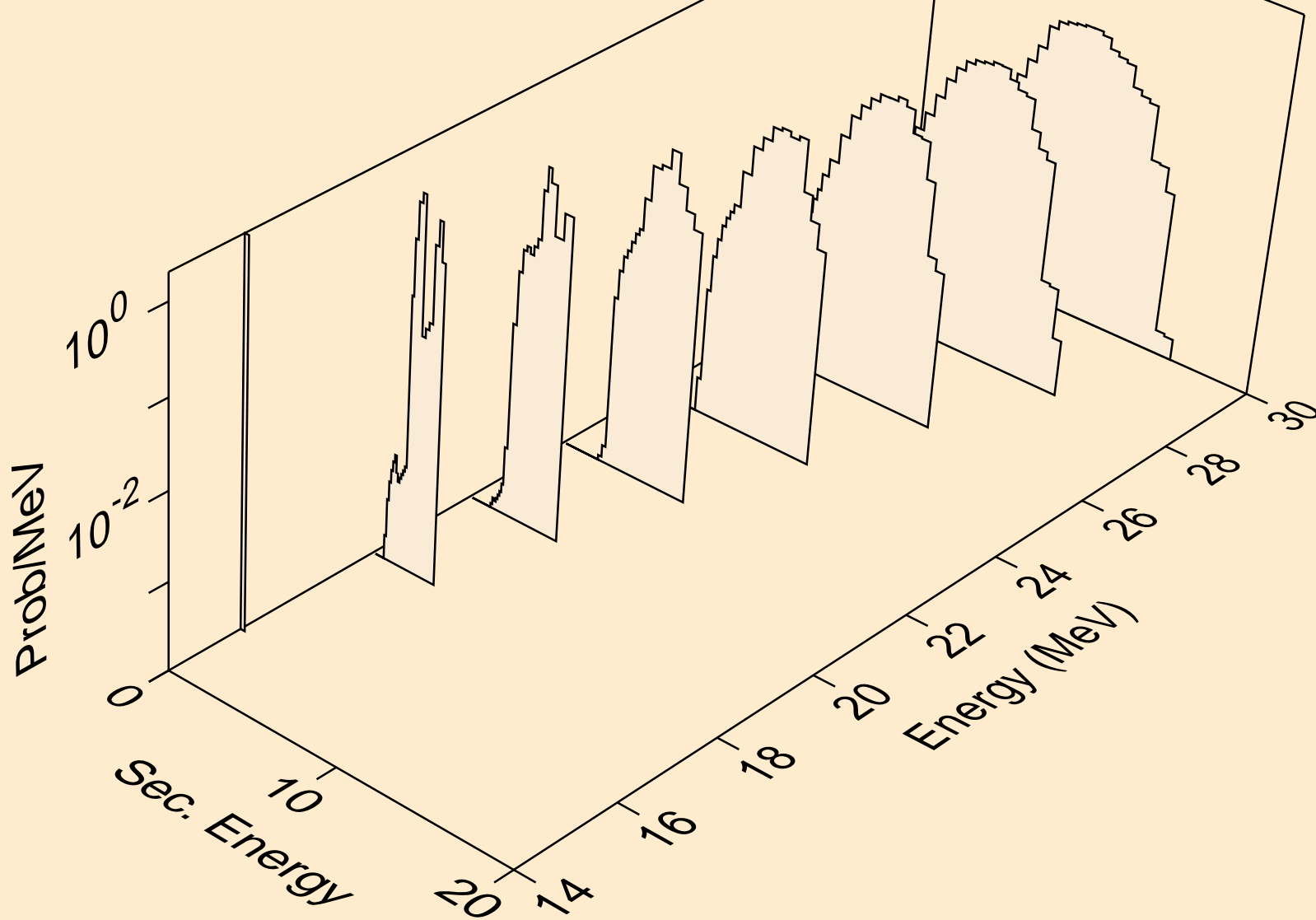
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



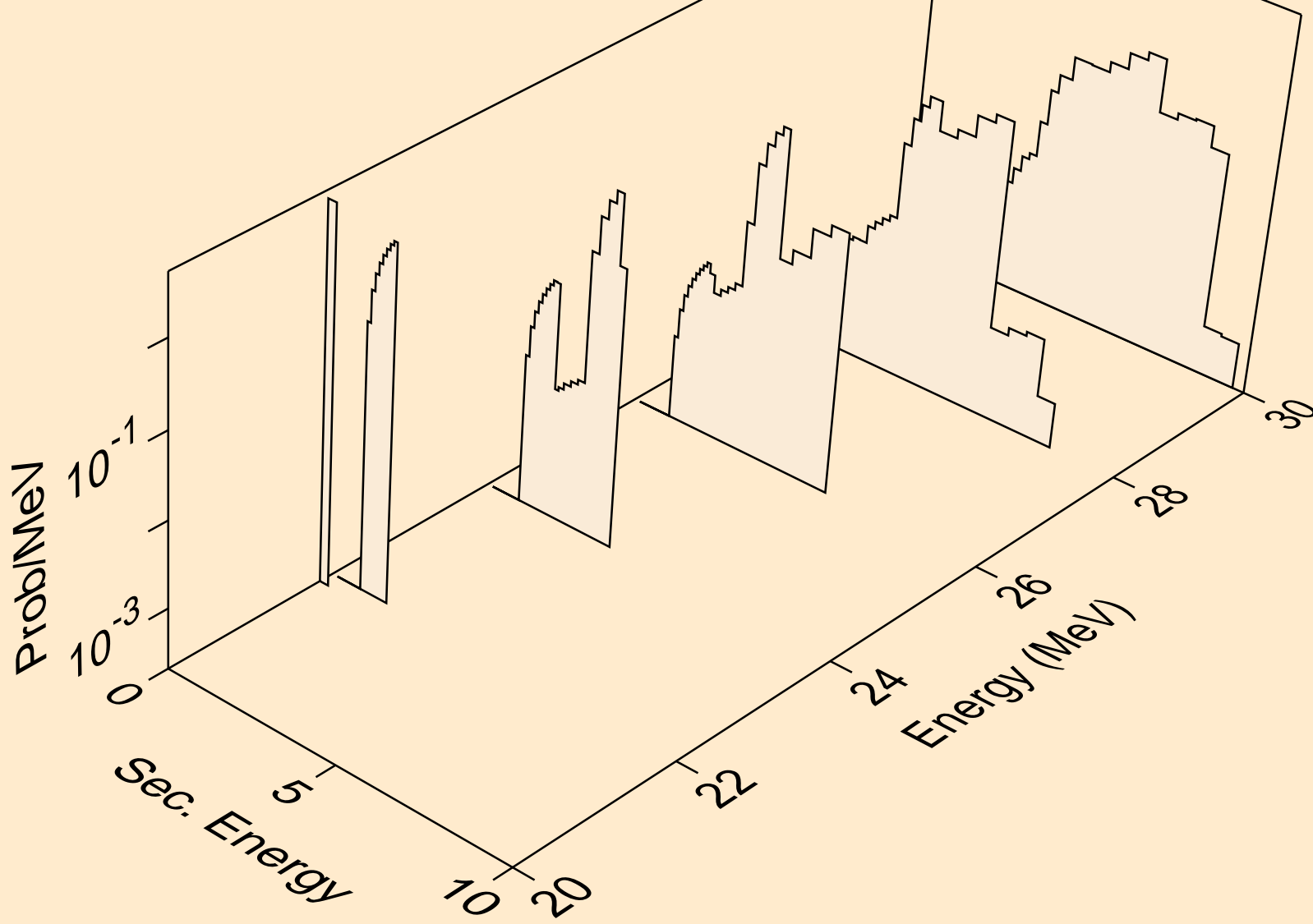
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



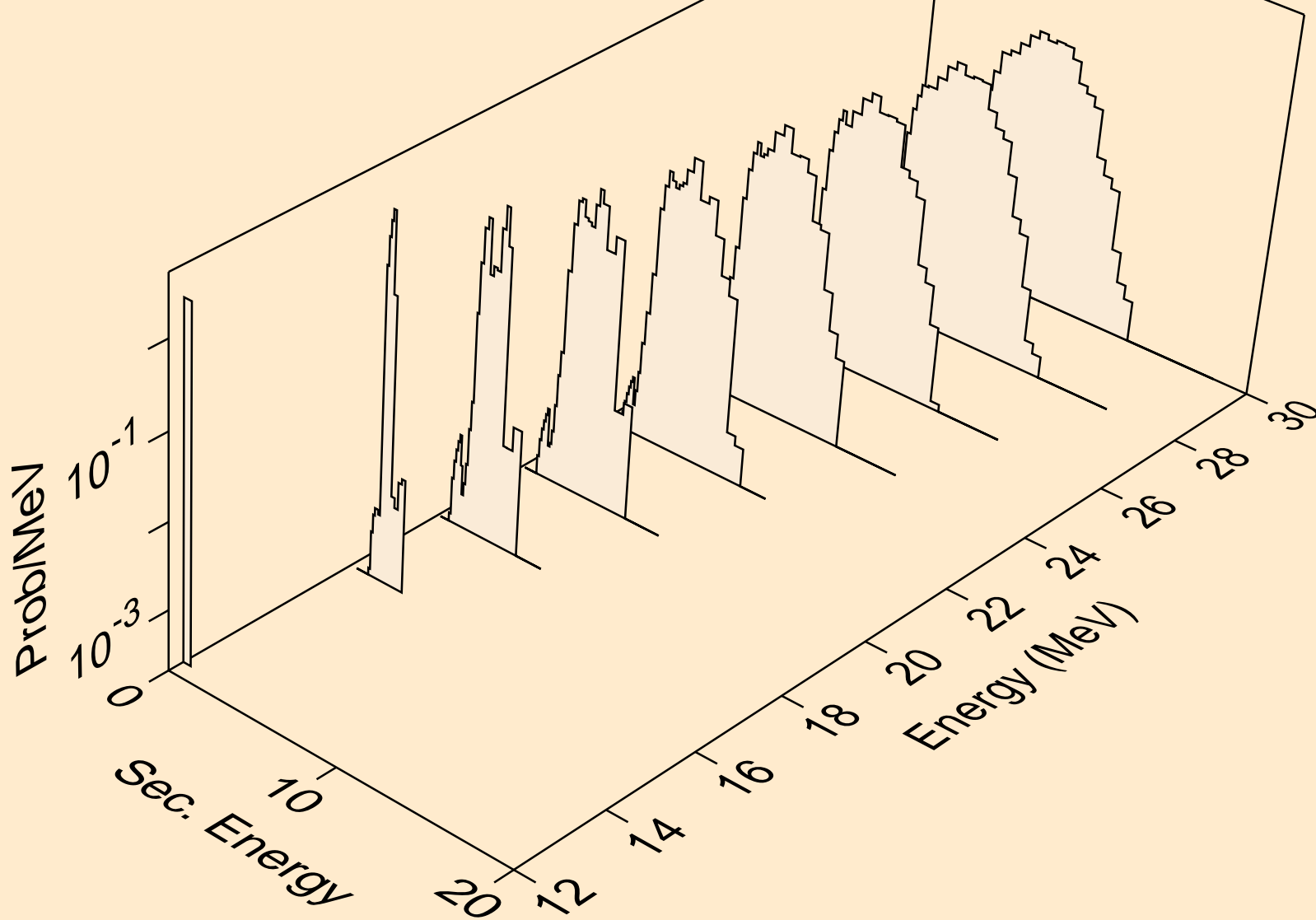
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



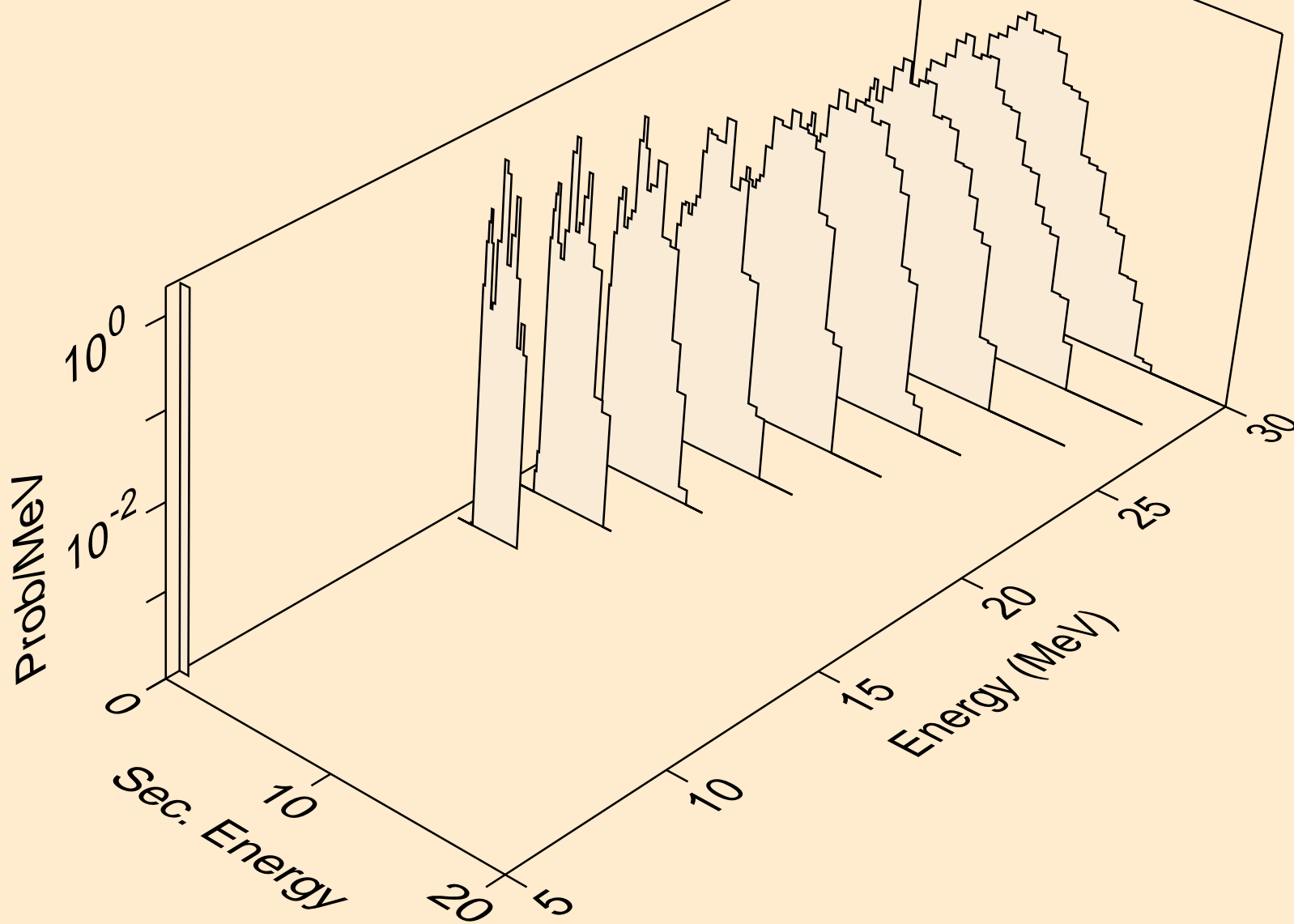
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)



GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)

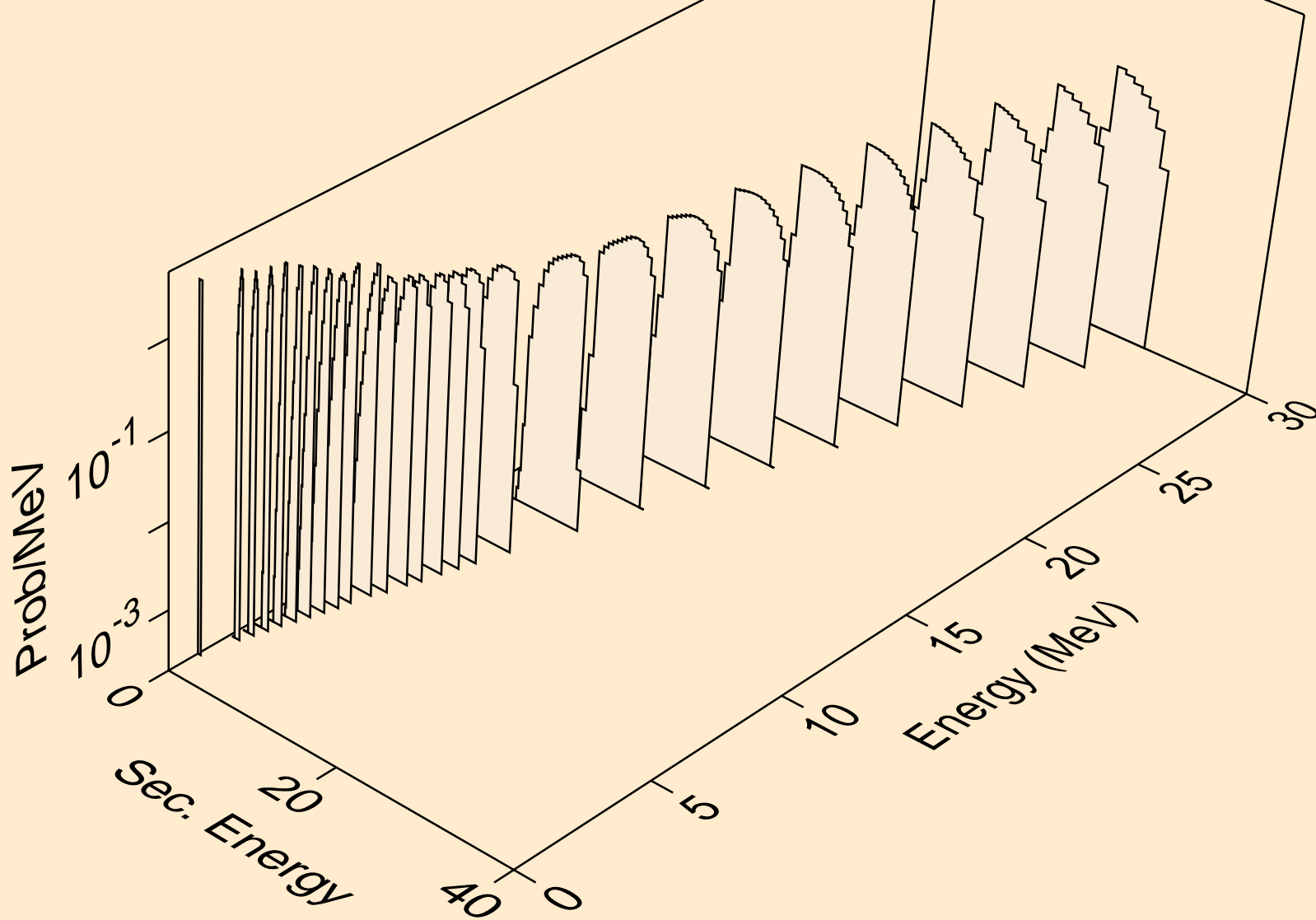


GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,npa)

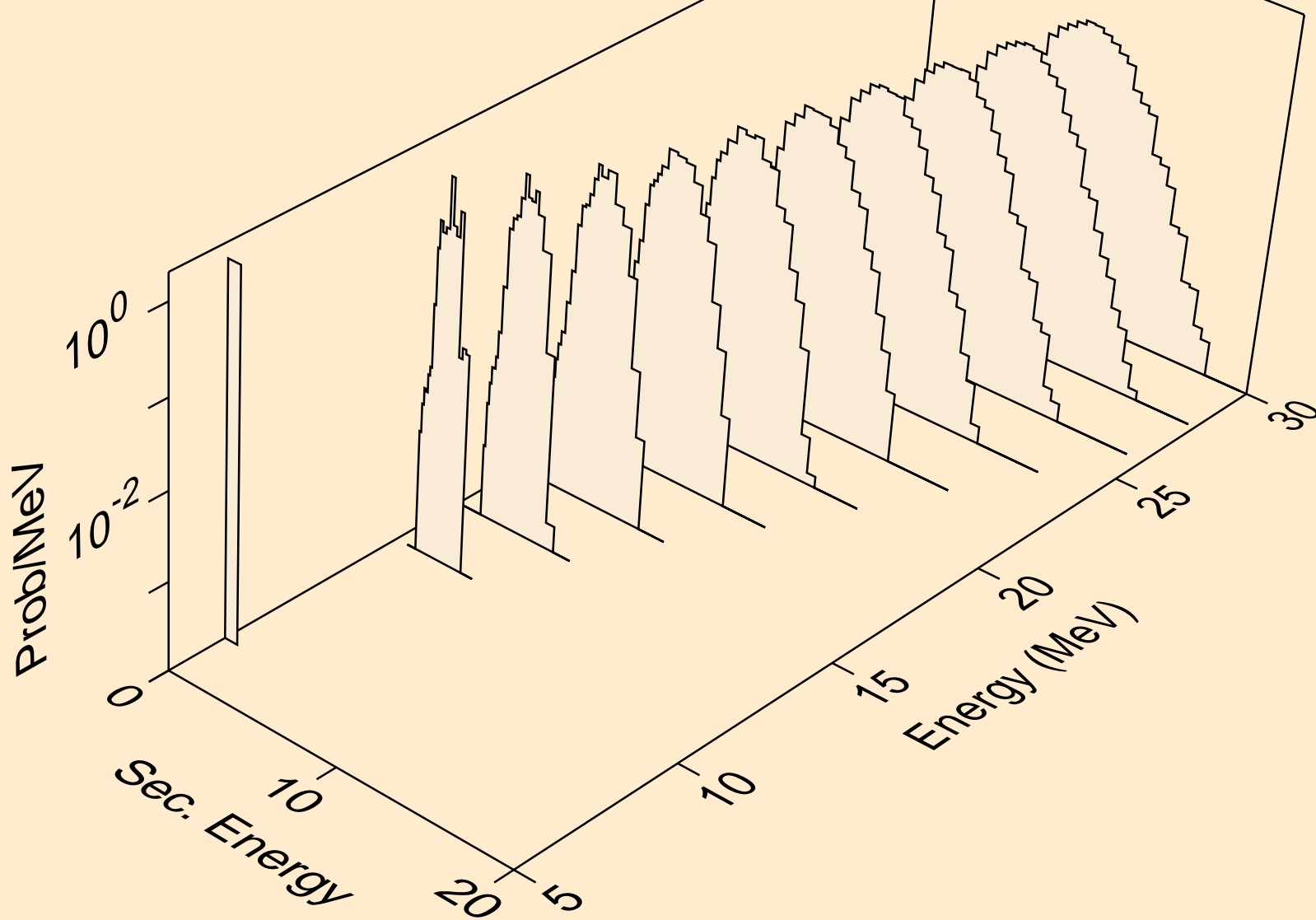




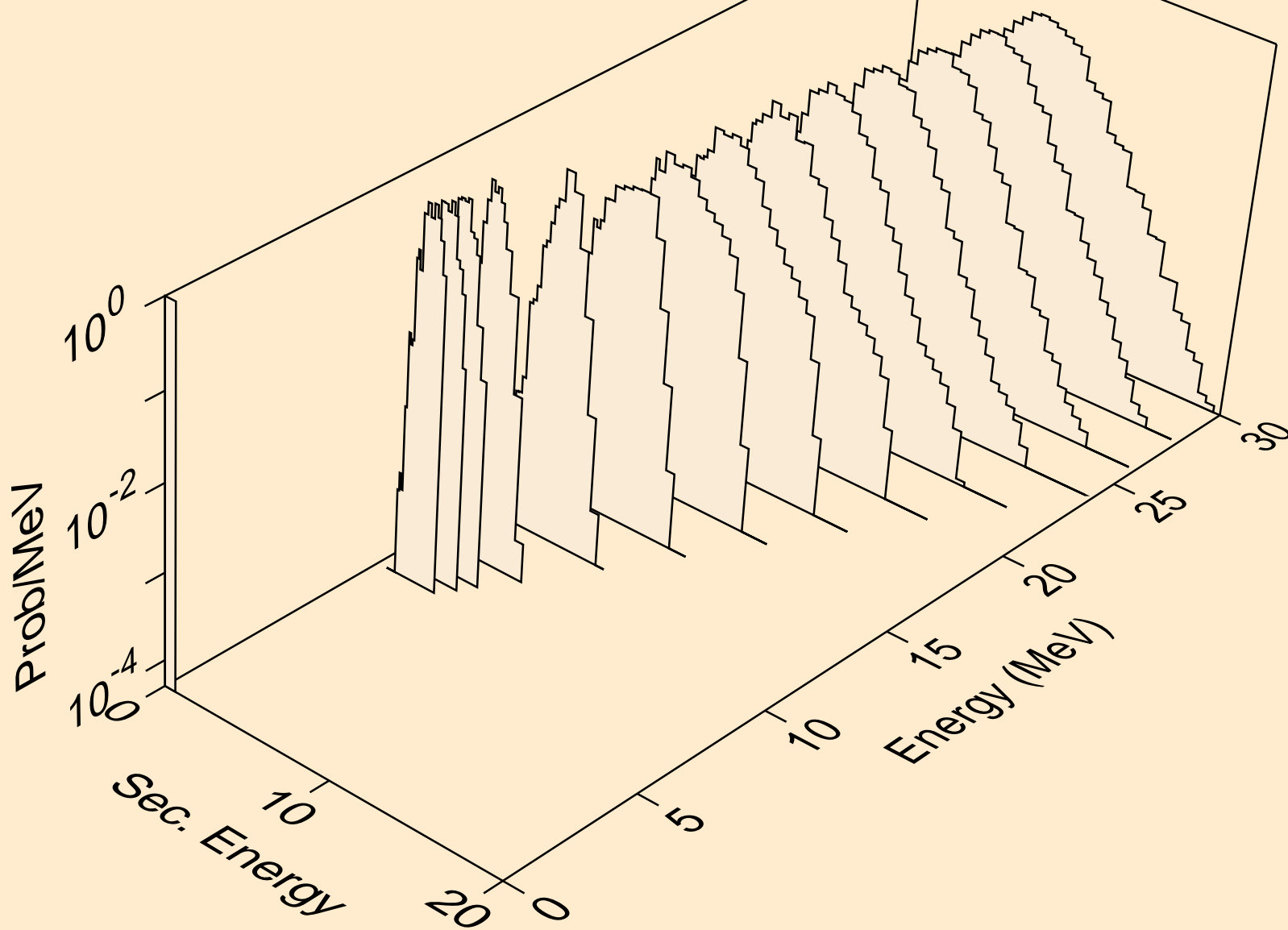
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protons from (n,p)



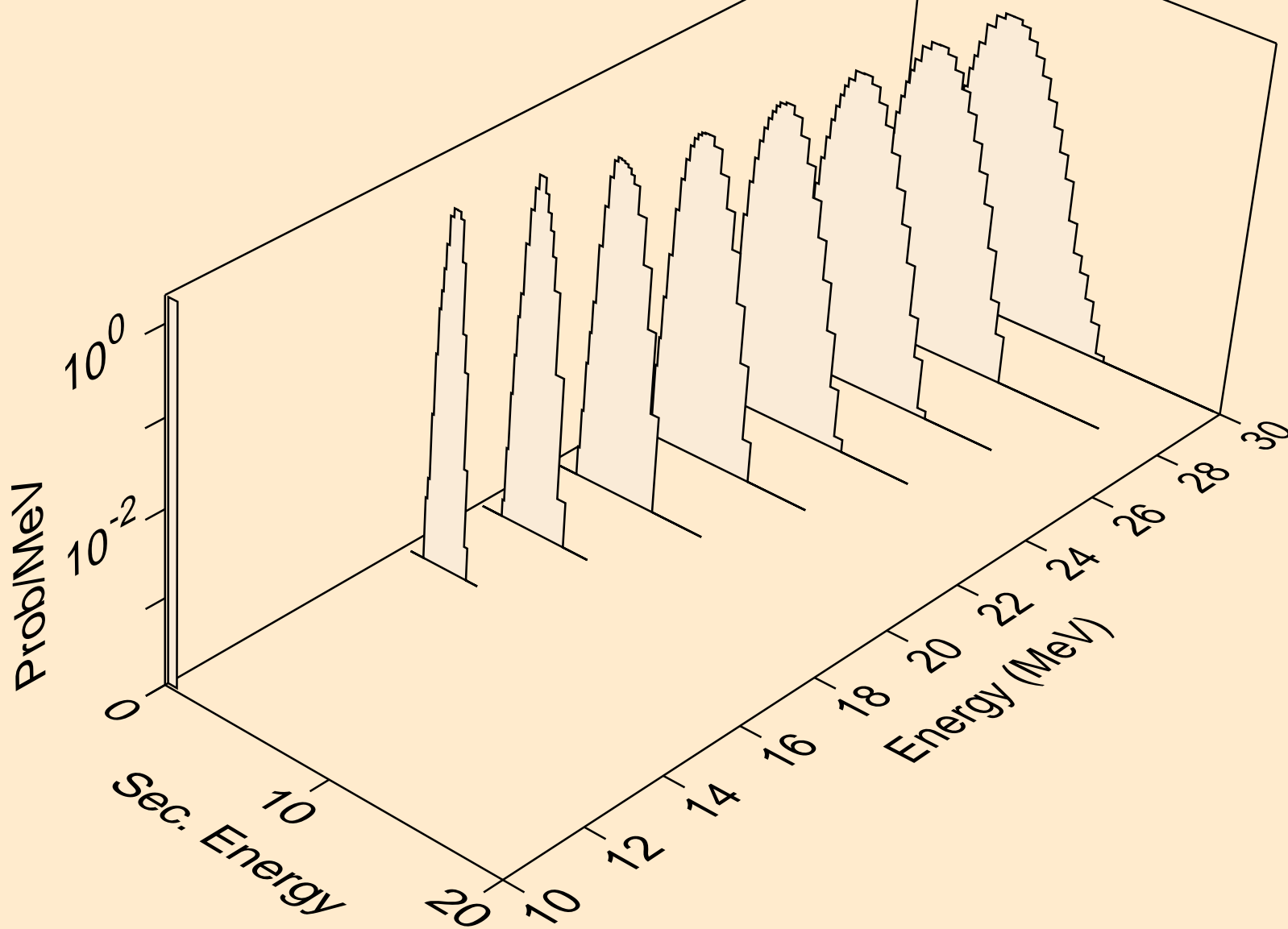
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protons from (n,2p)



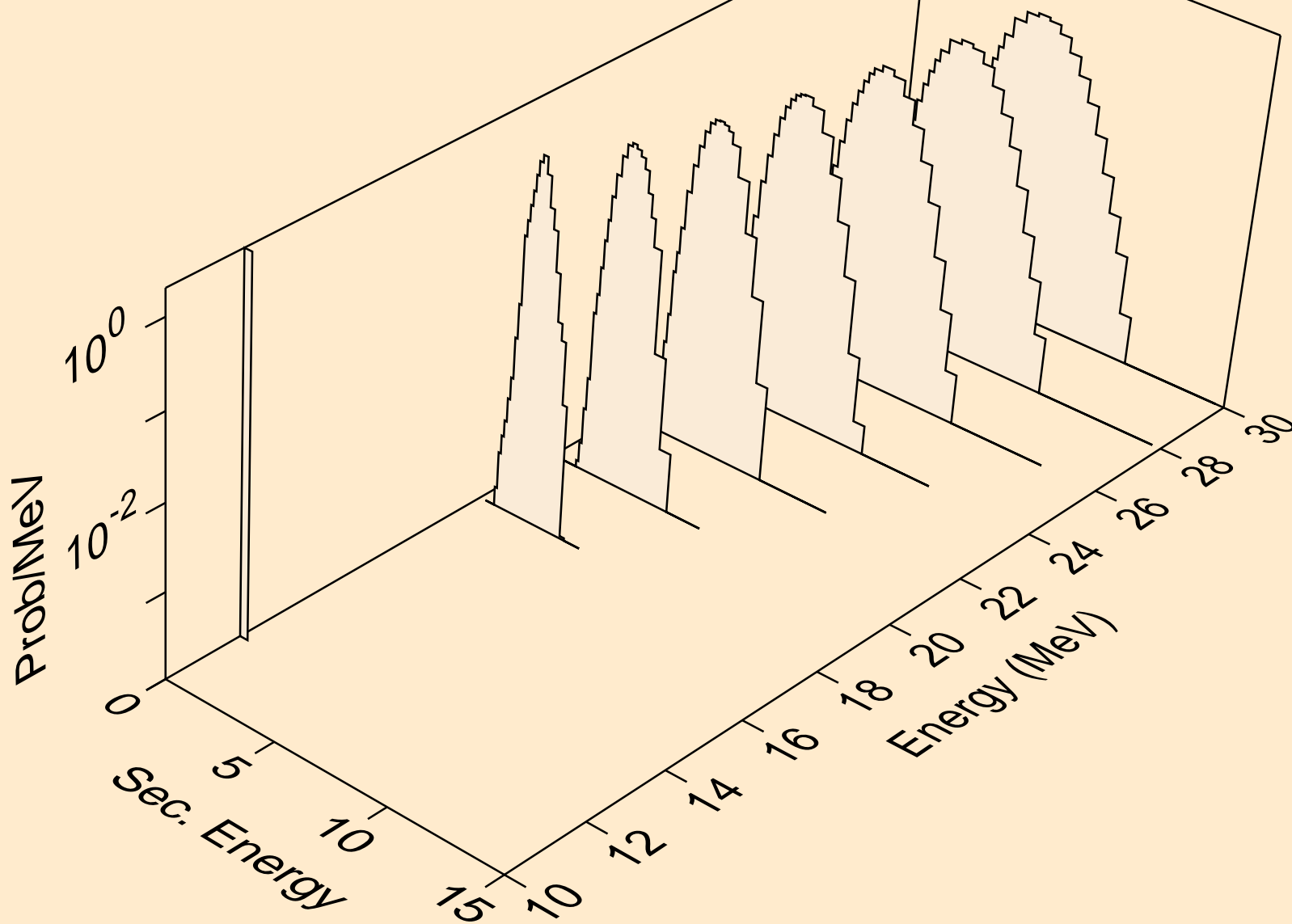
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protons from (n,p)



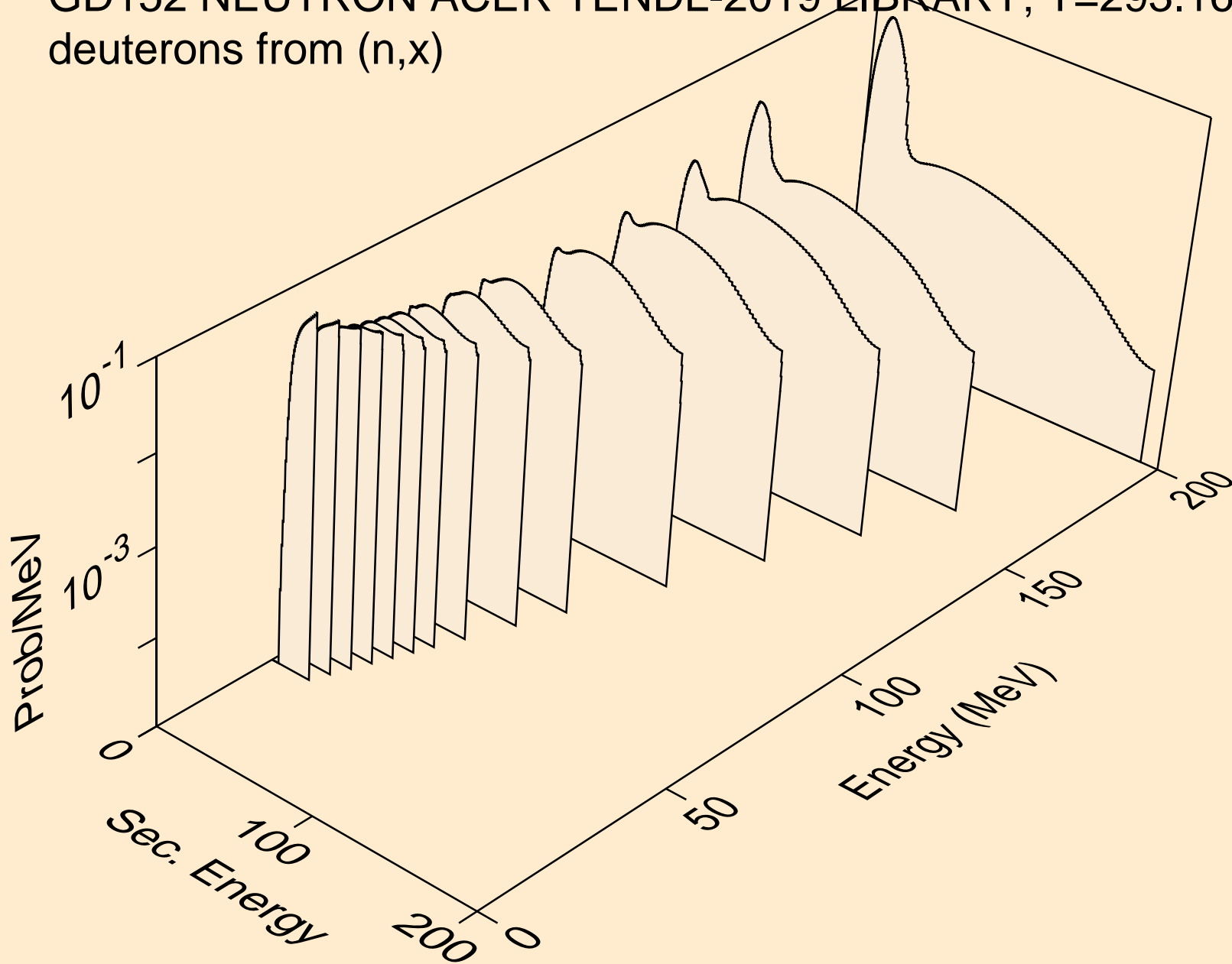
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pd)



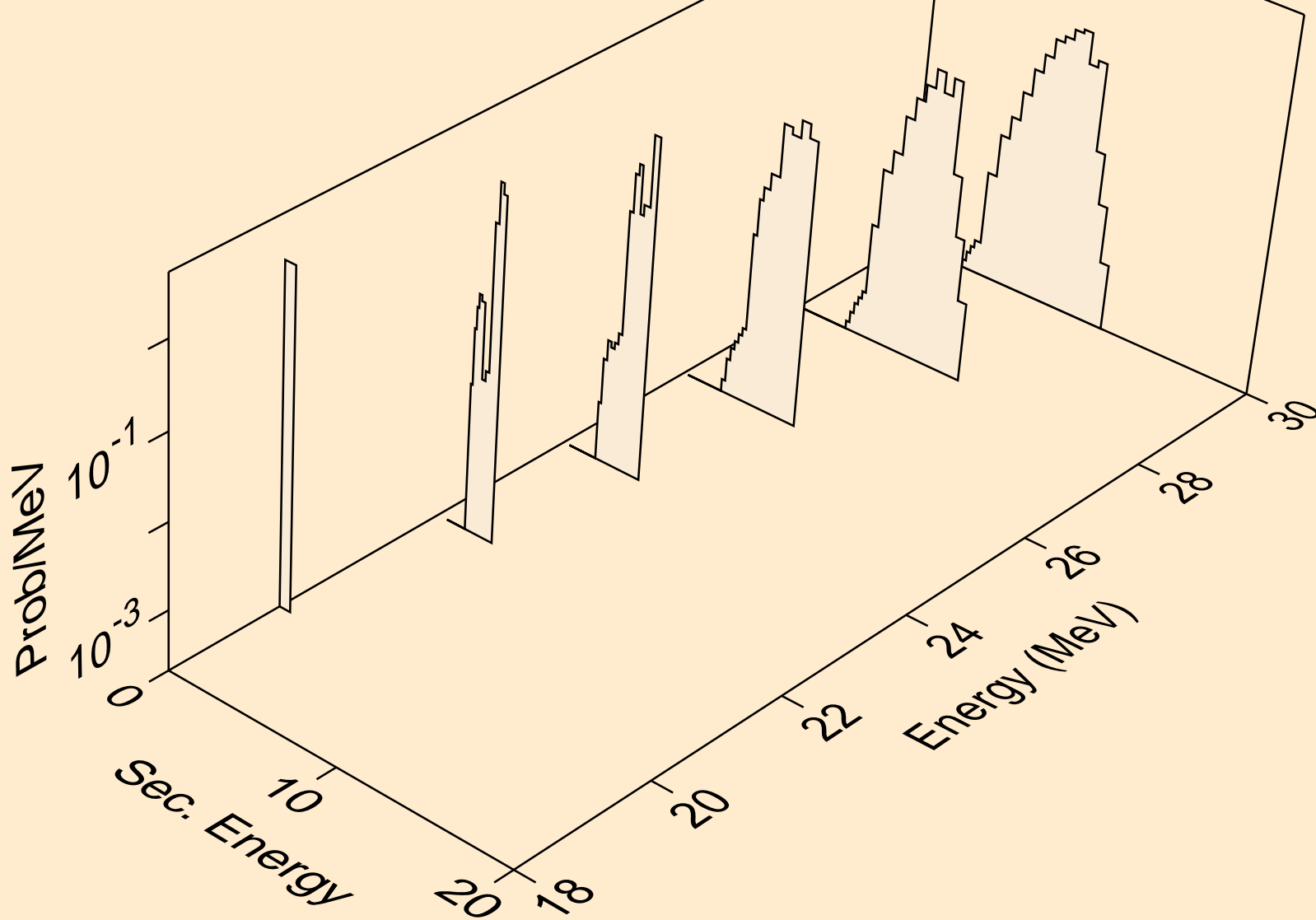
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protons from (n,pt)



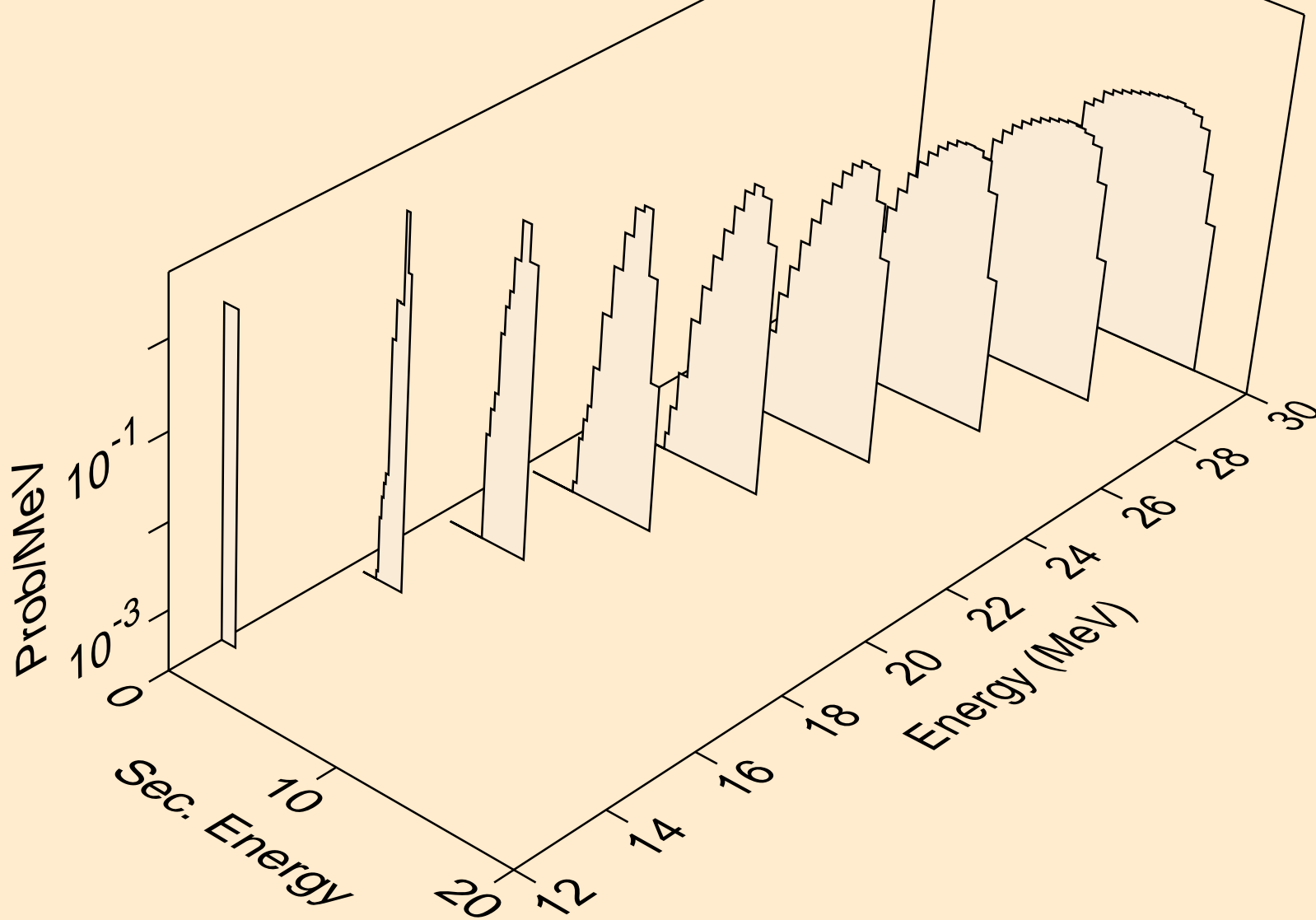
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)



GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,2nd)

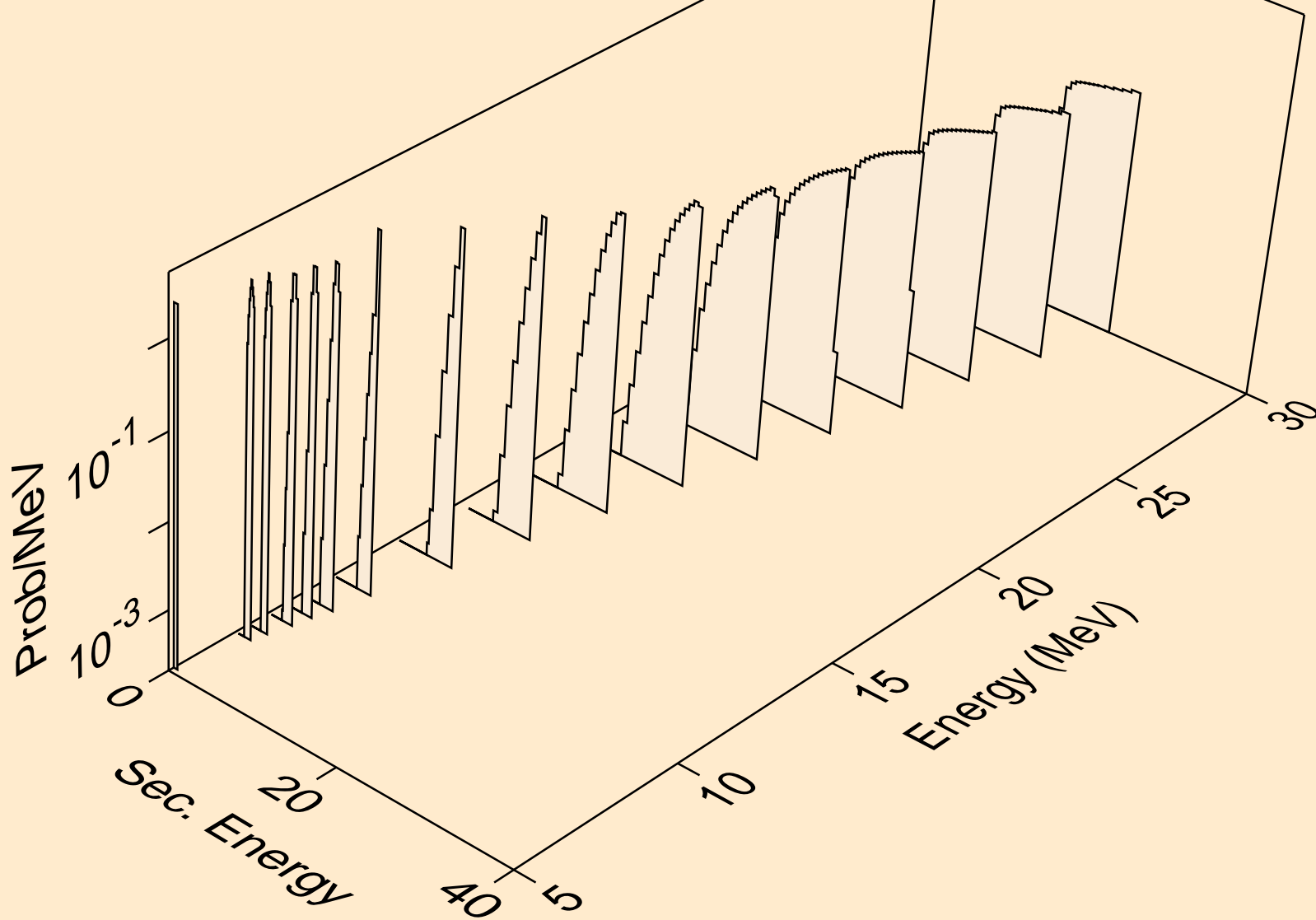


GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
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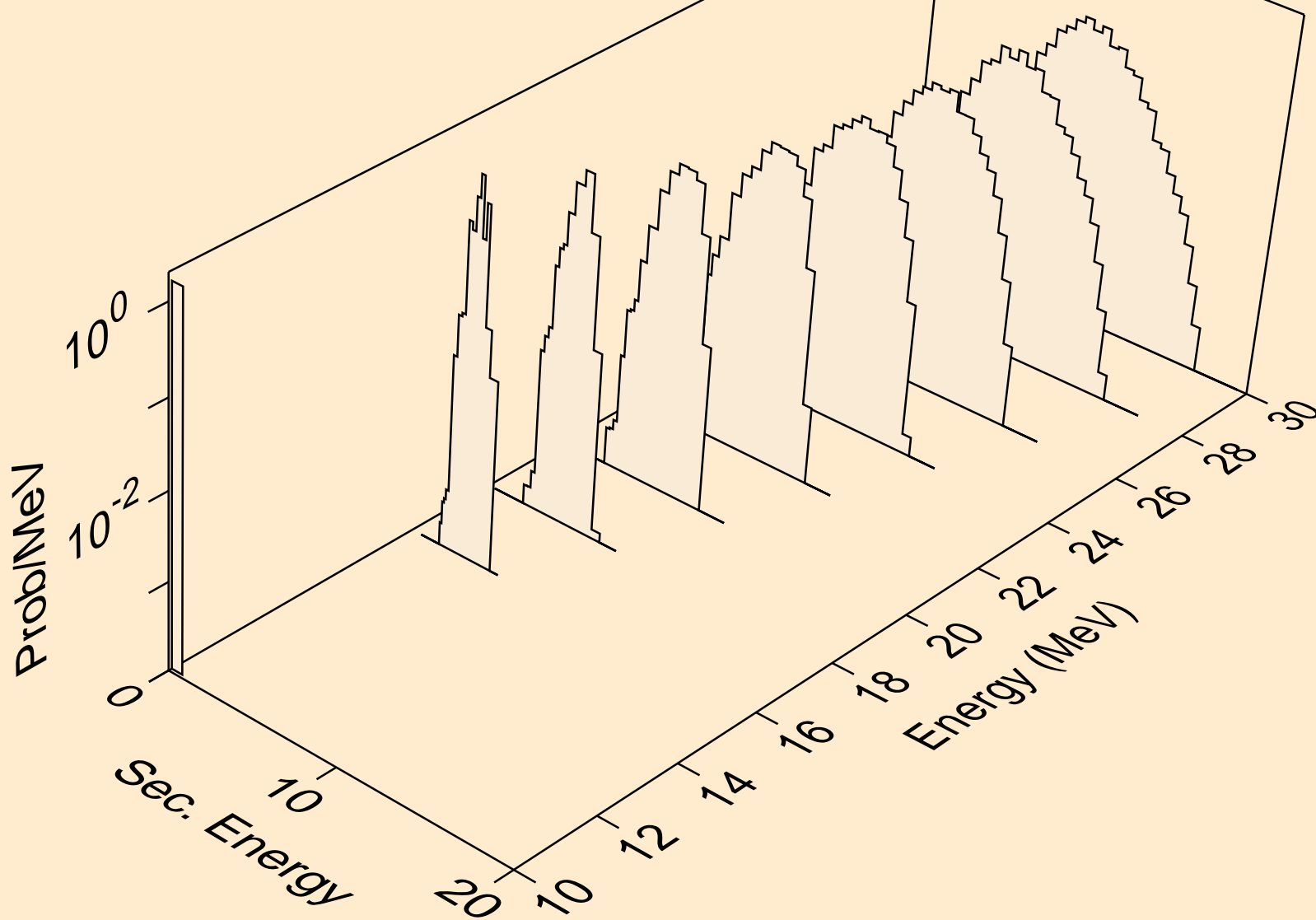




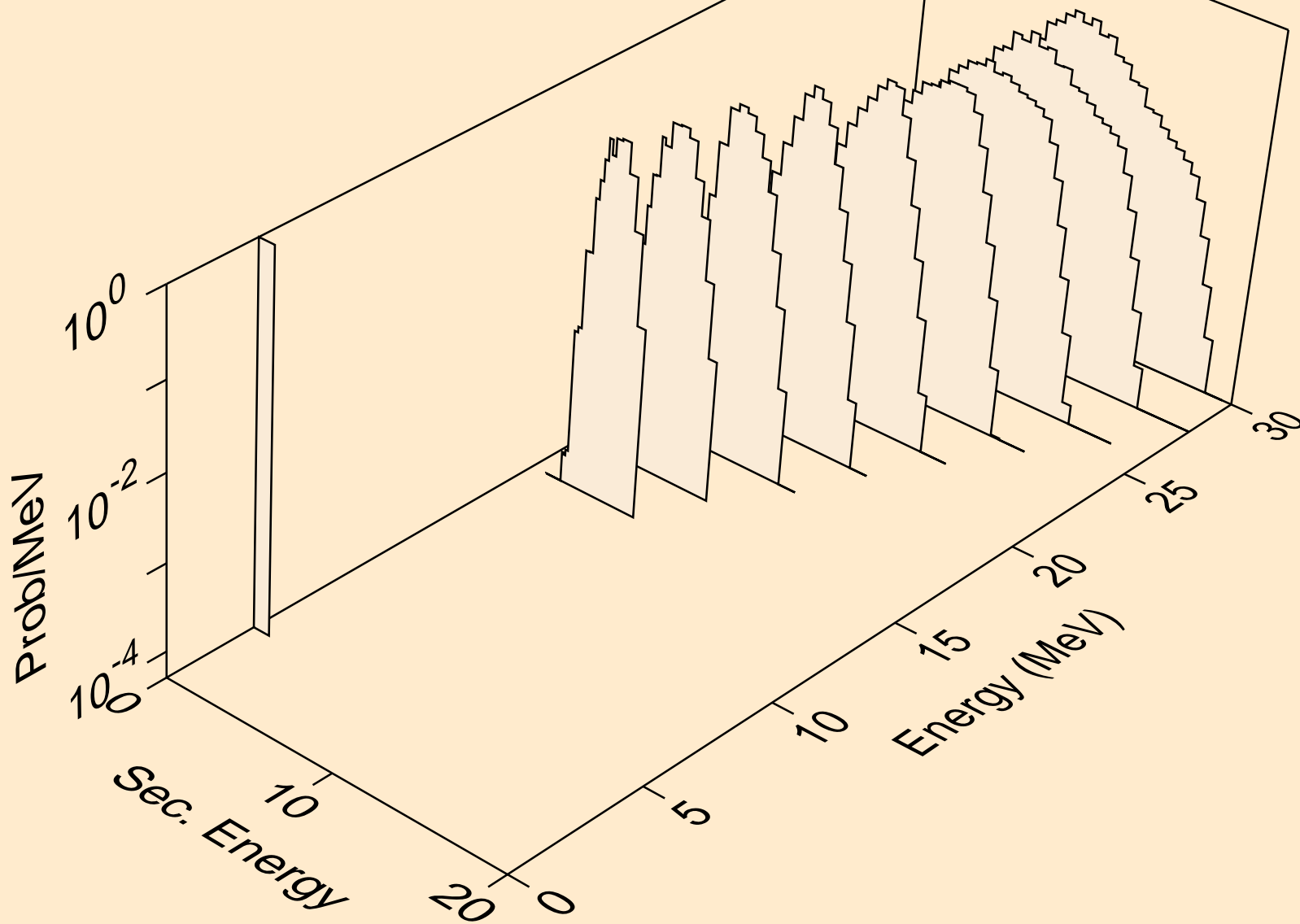
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deuterons from (n,d)



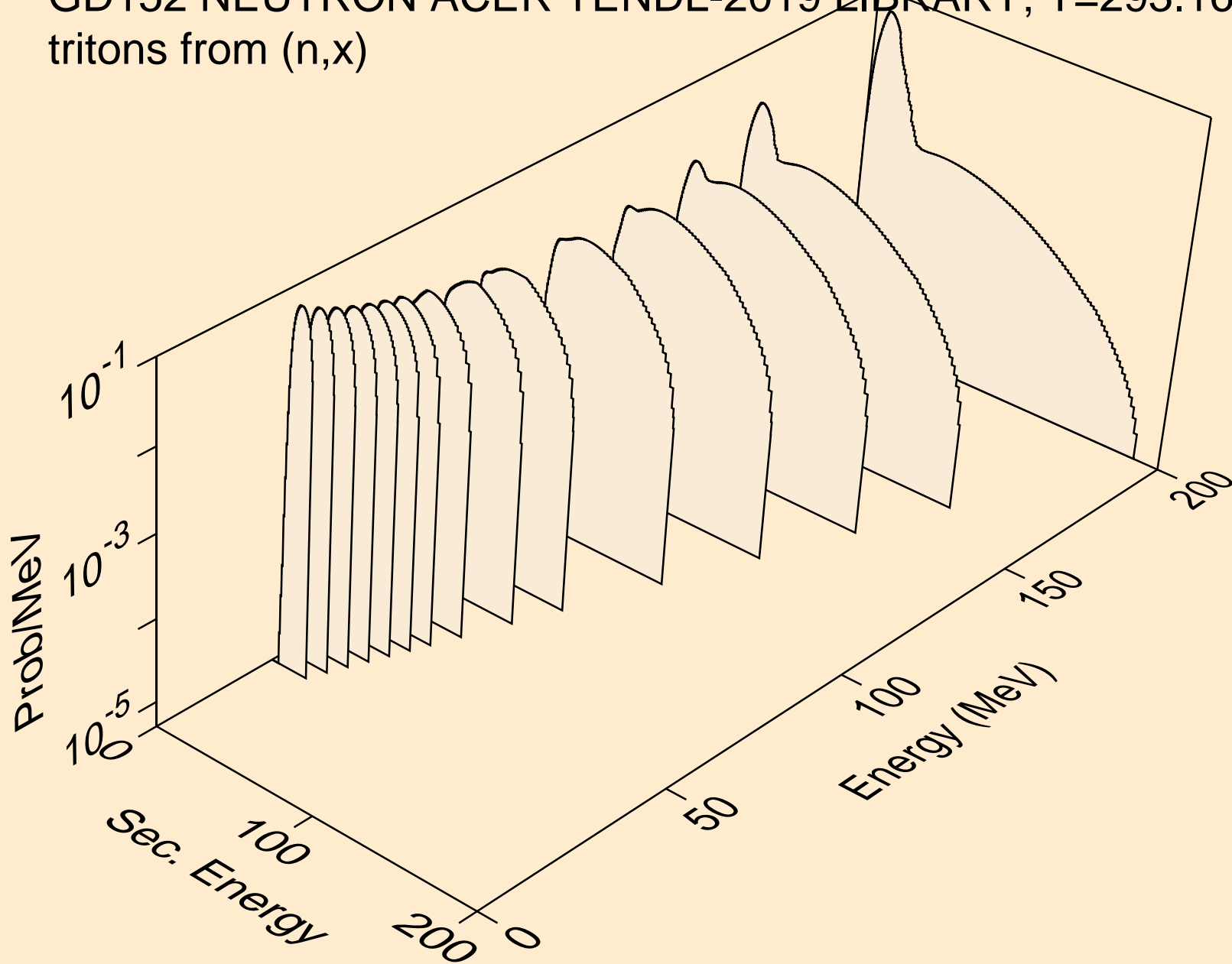
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,pd)



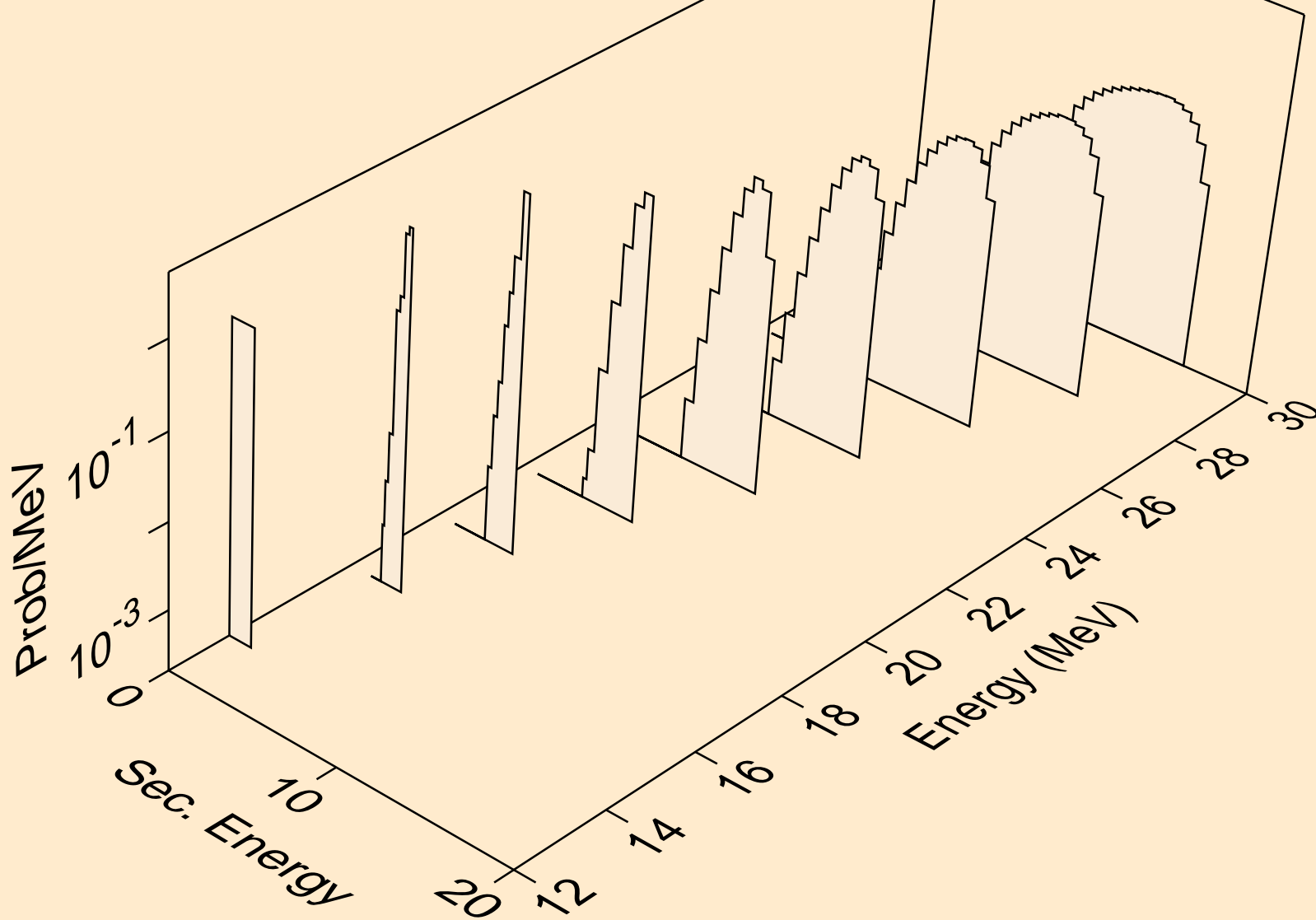
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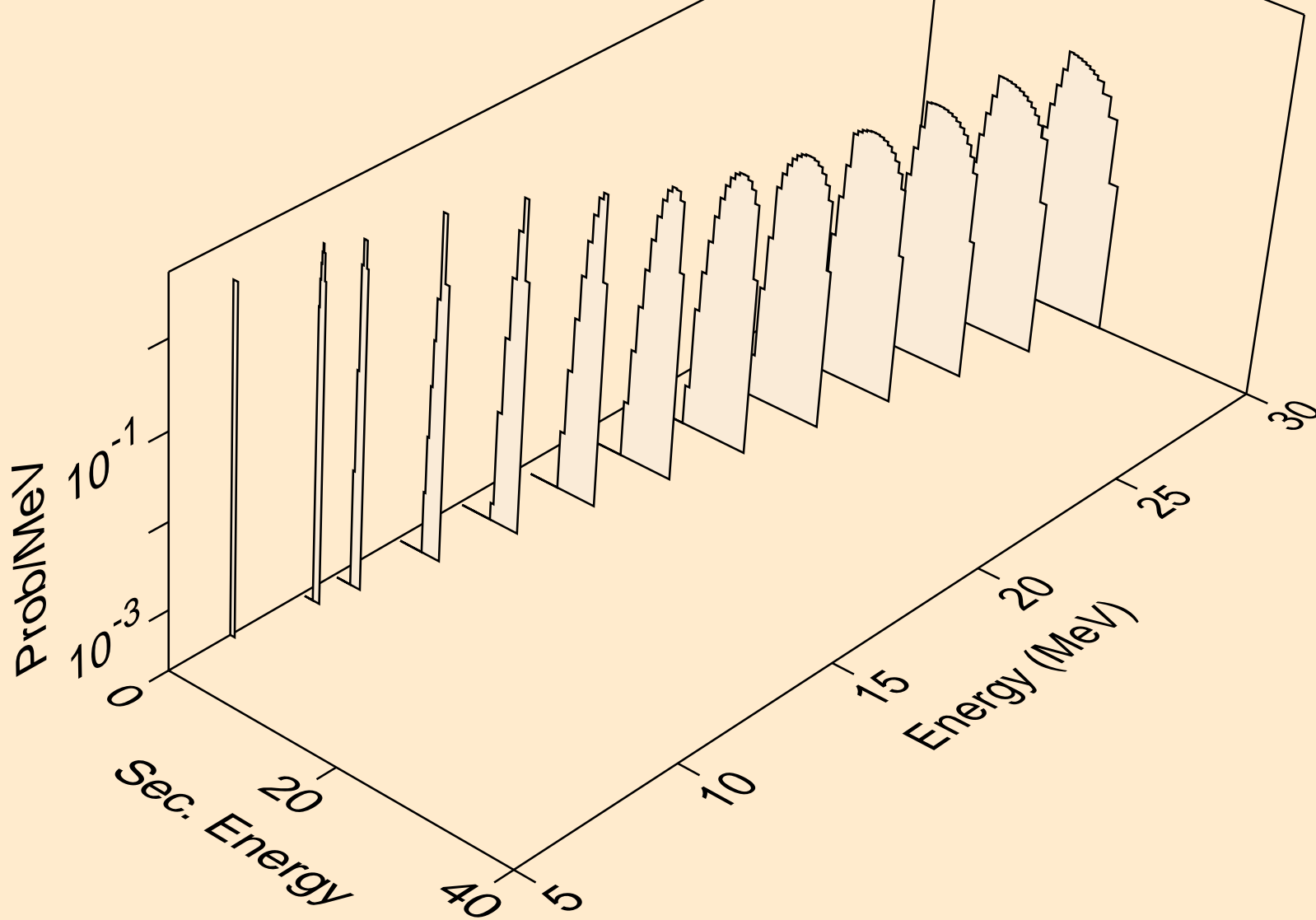
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tritons from (n,x)



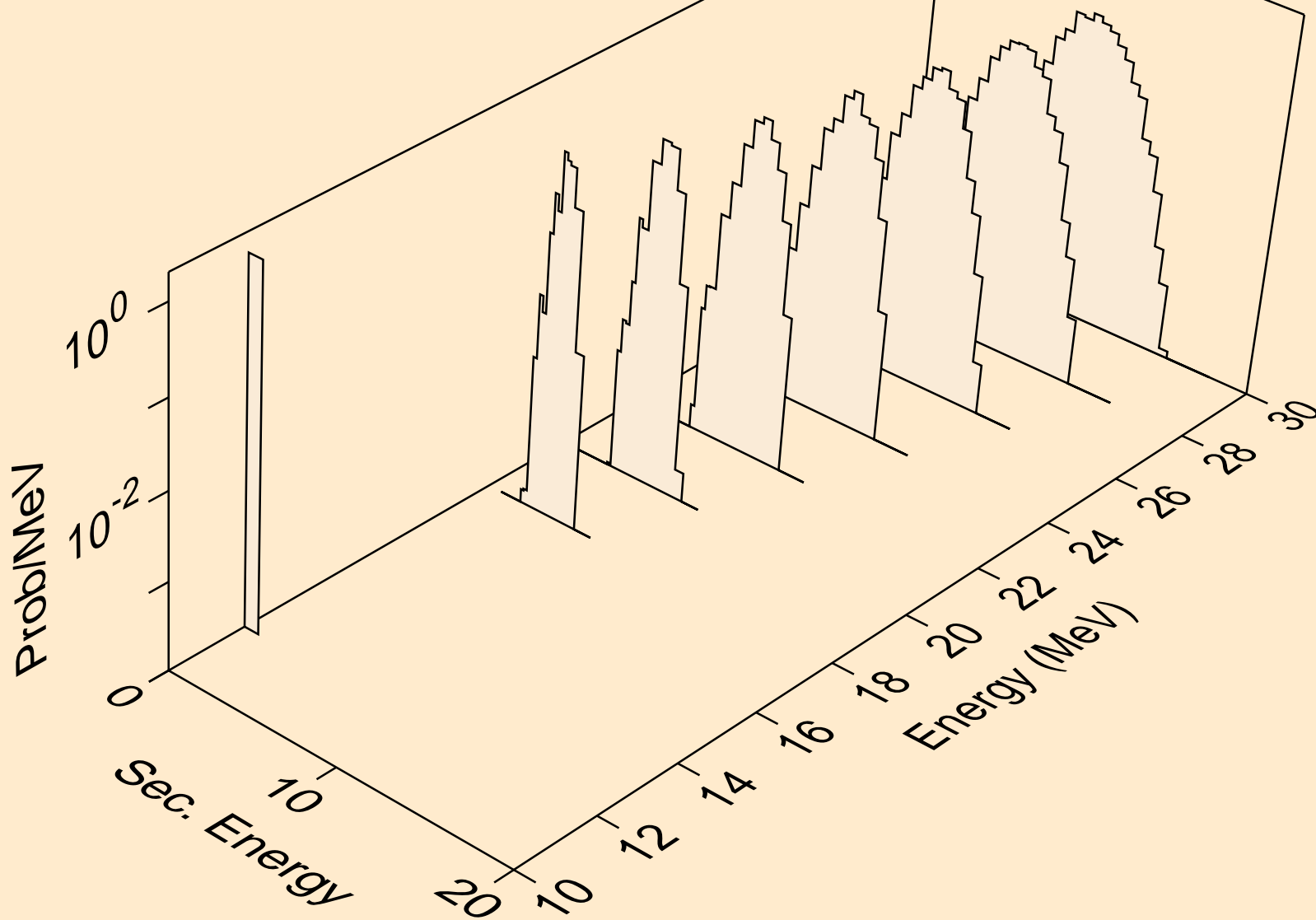
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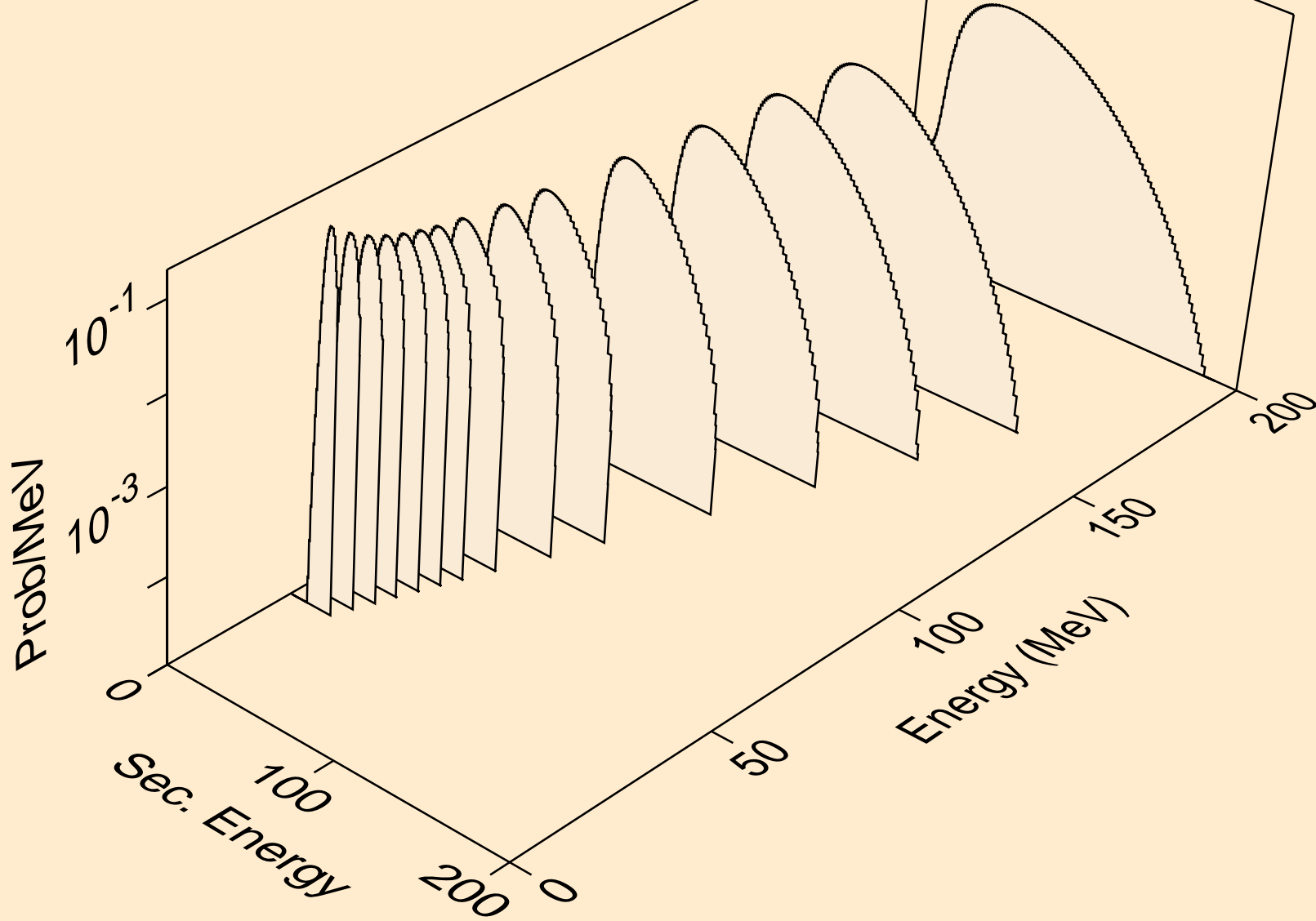
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)



GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,pt)

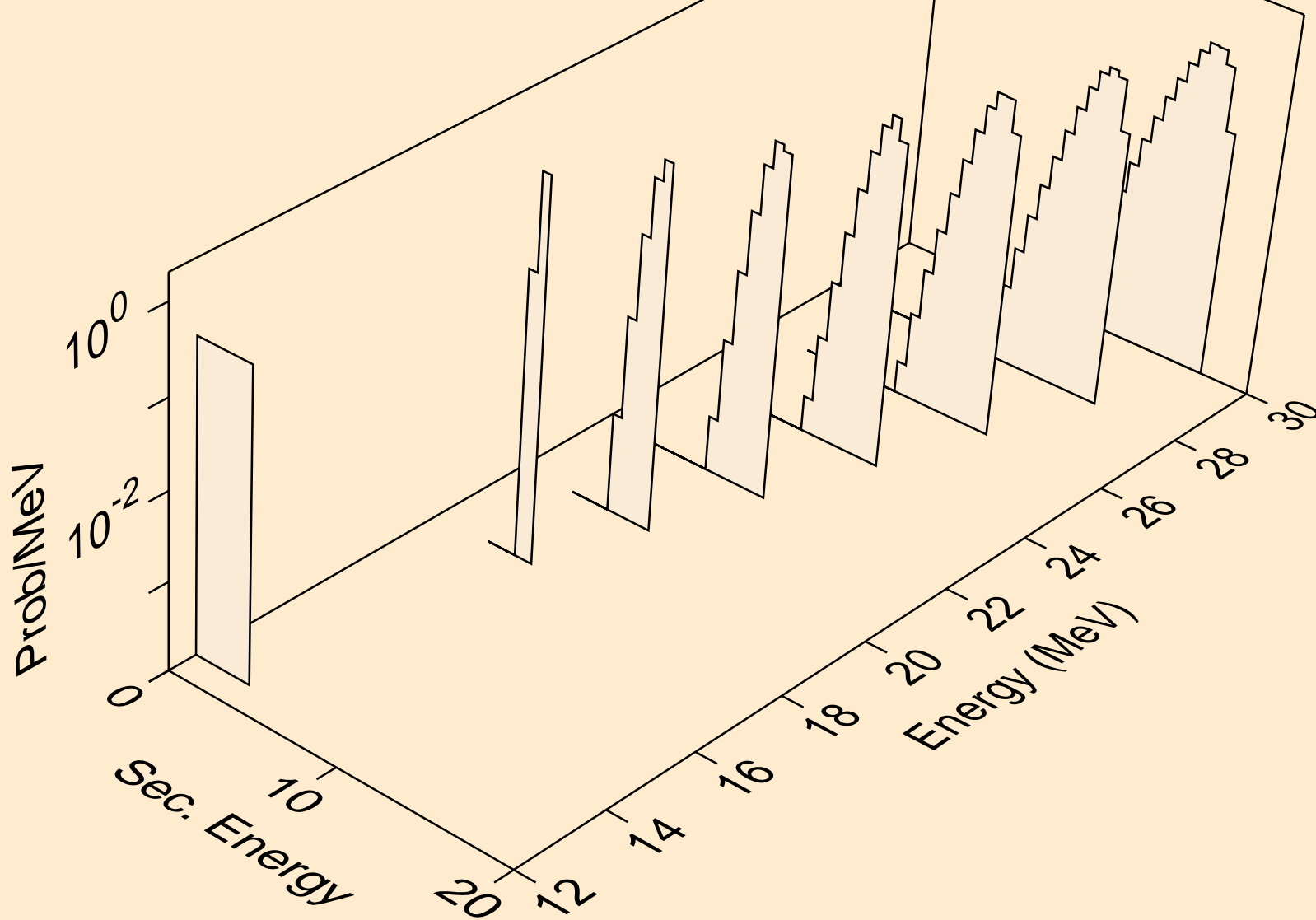


GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)

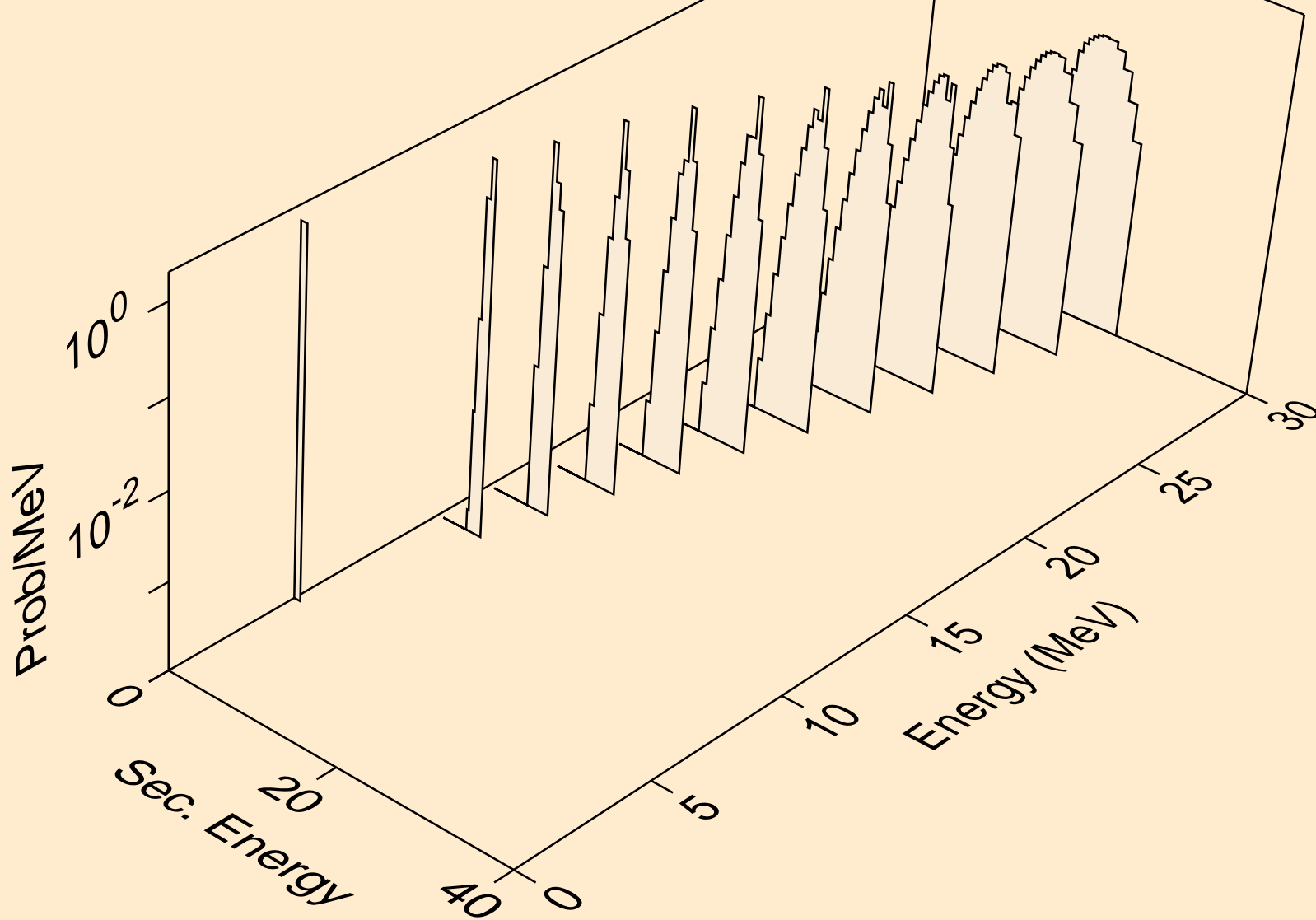




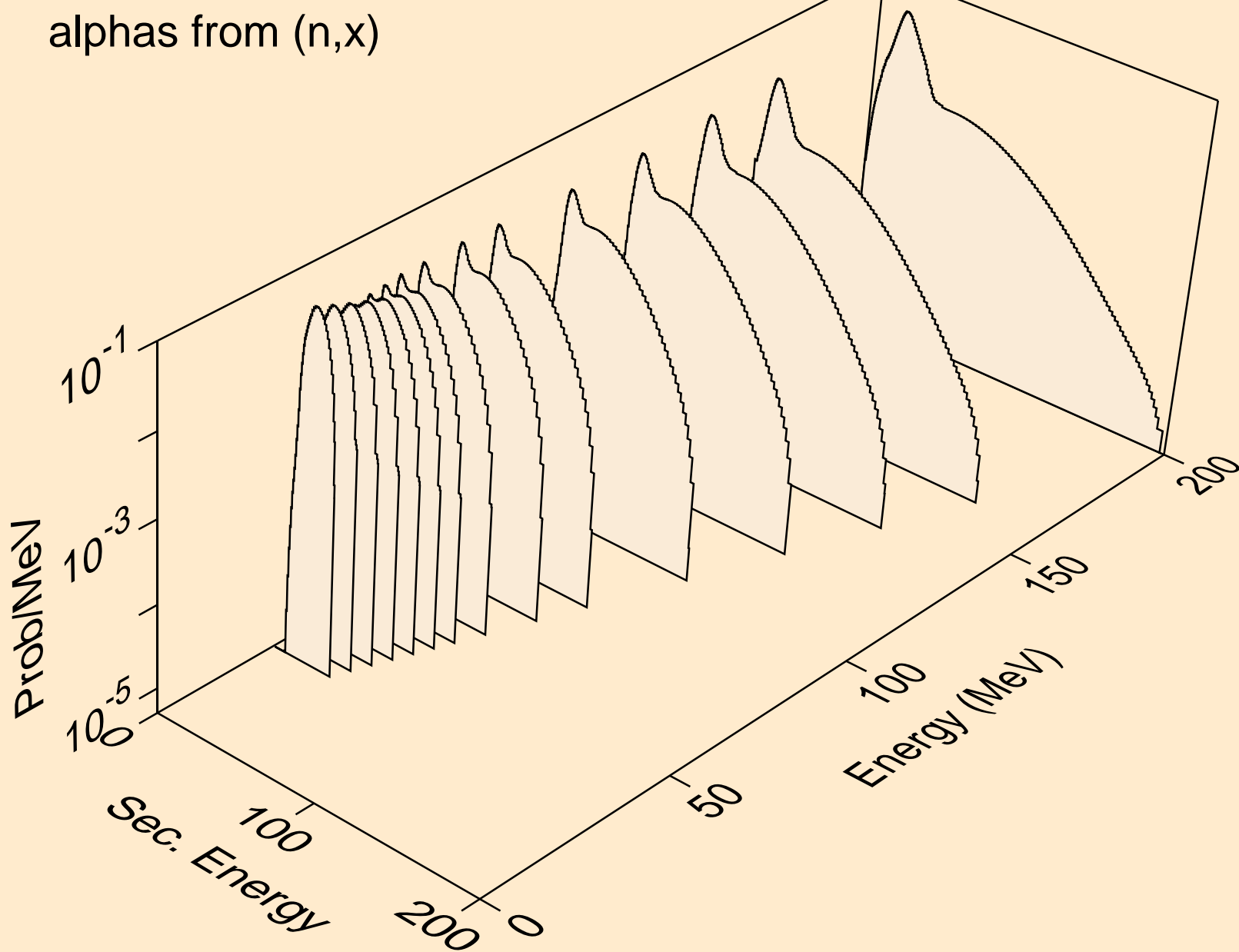
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3



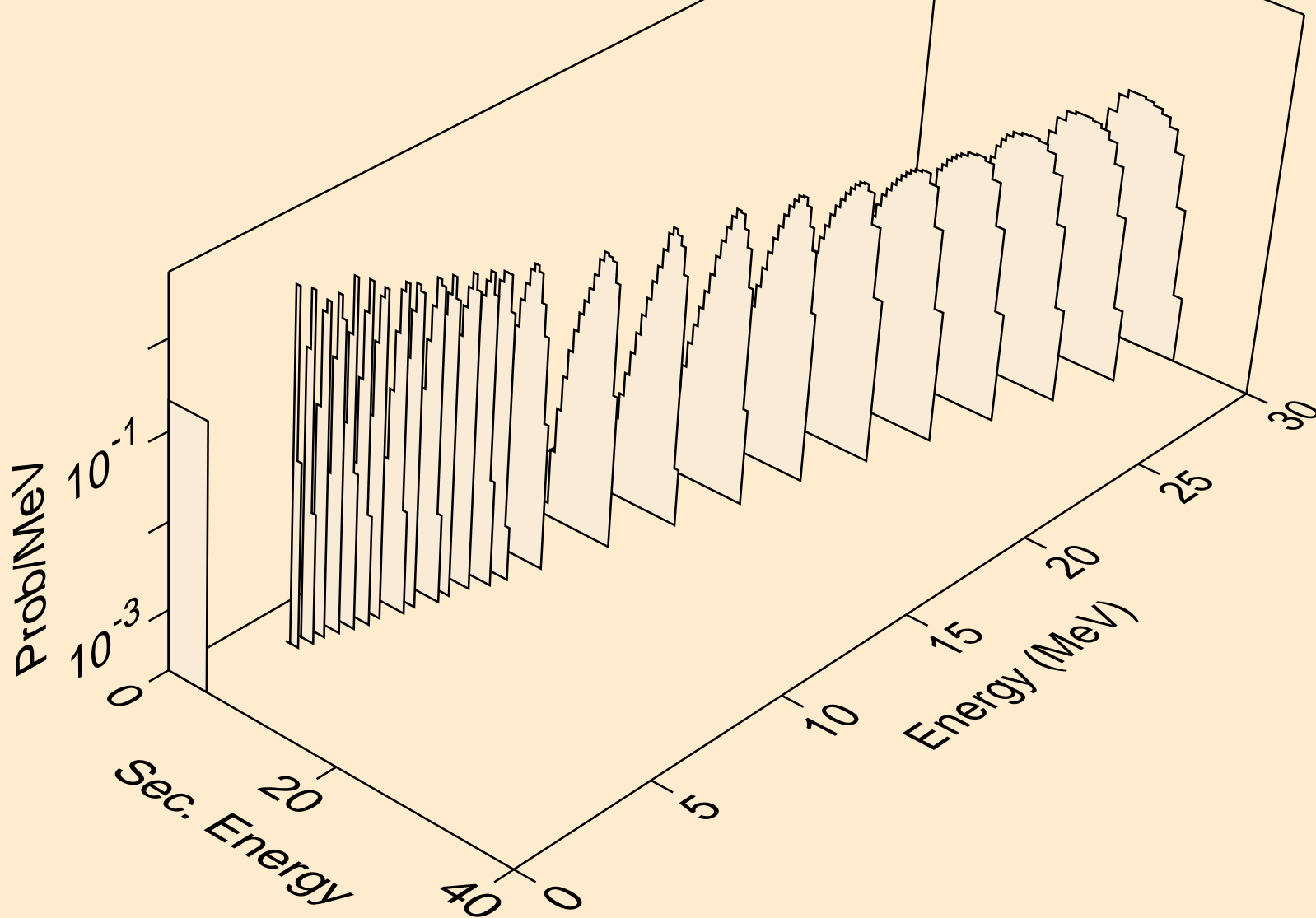
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
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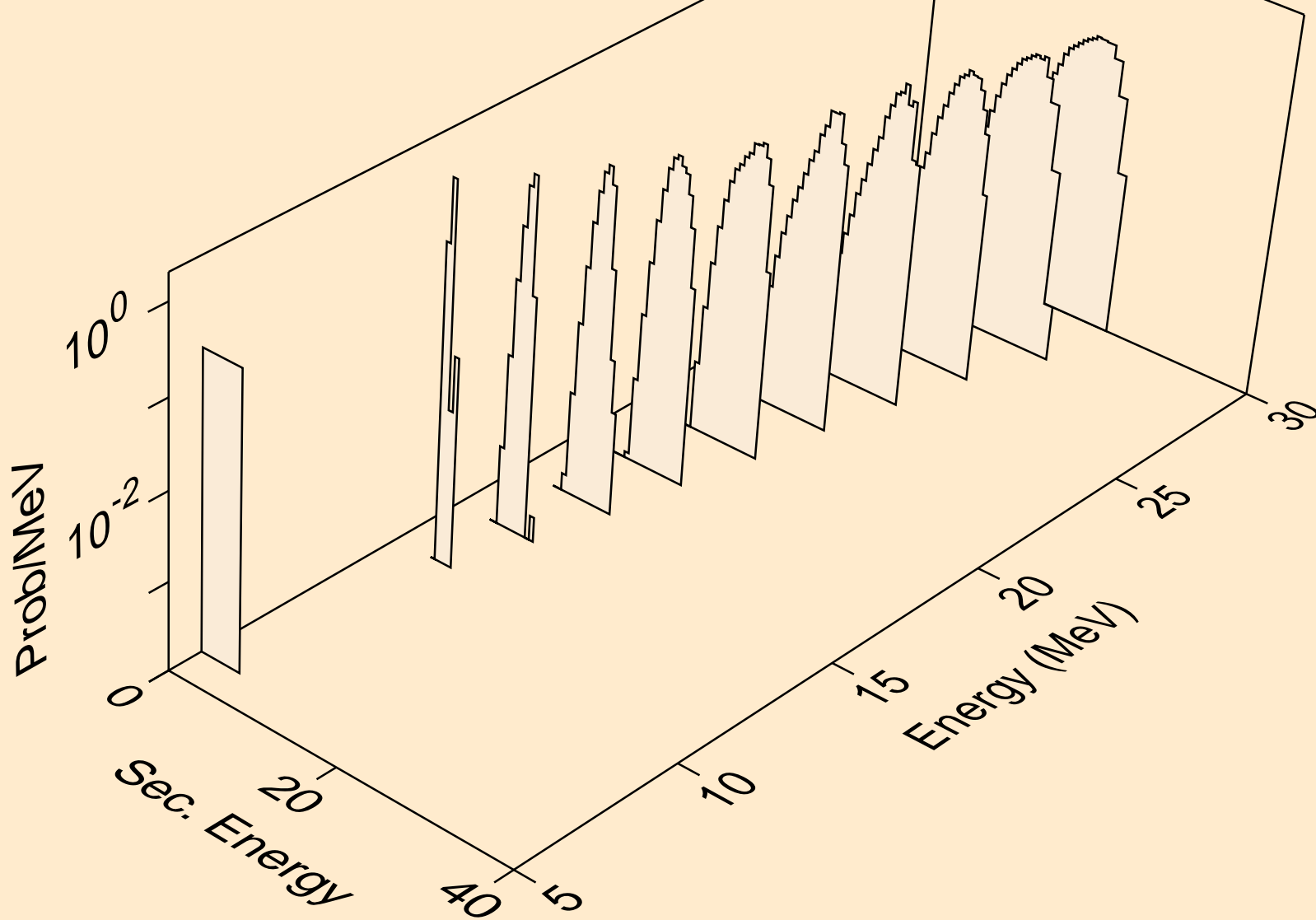
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)



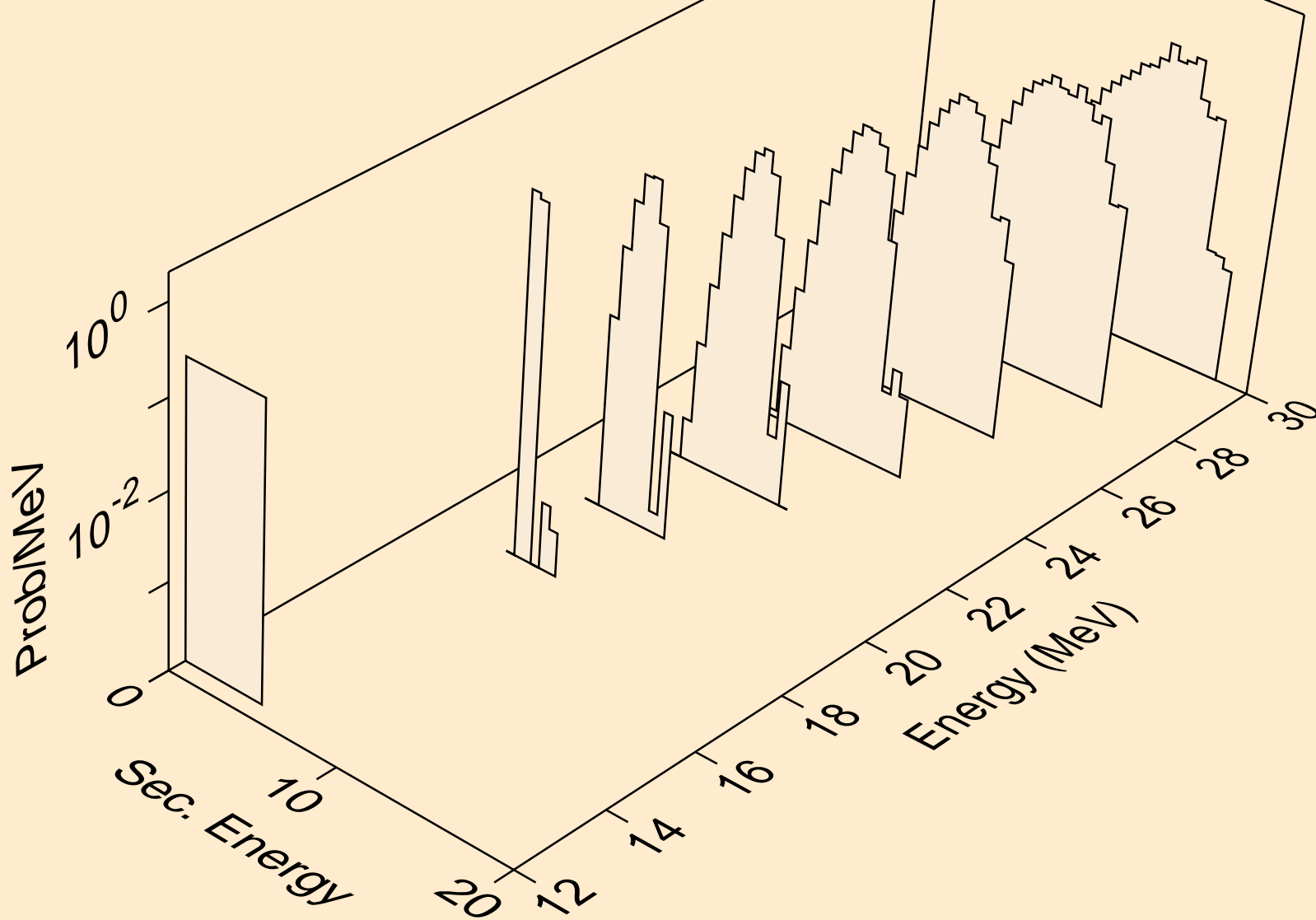
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



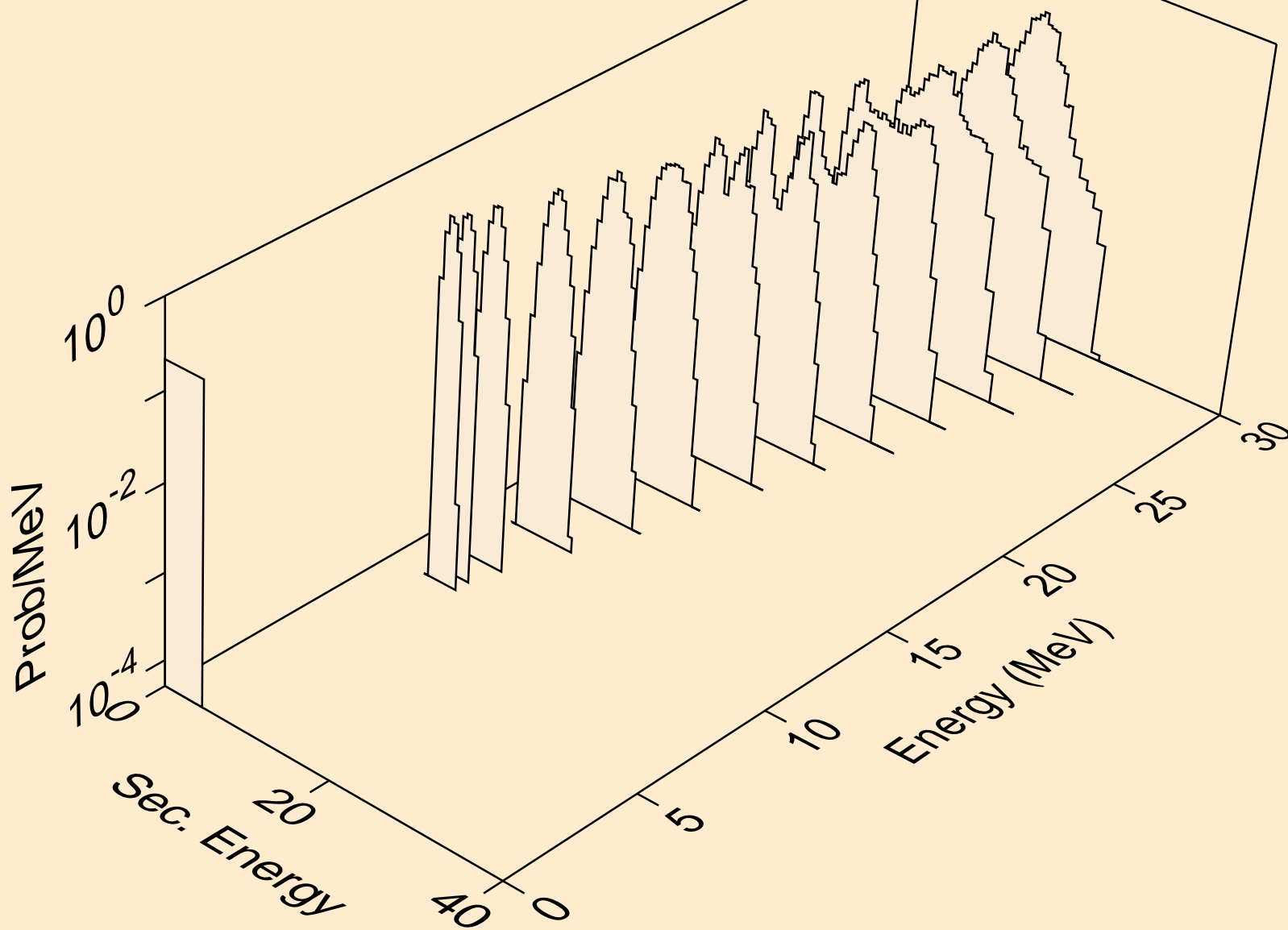
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



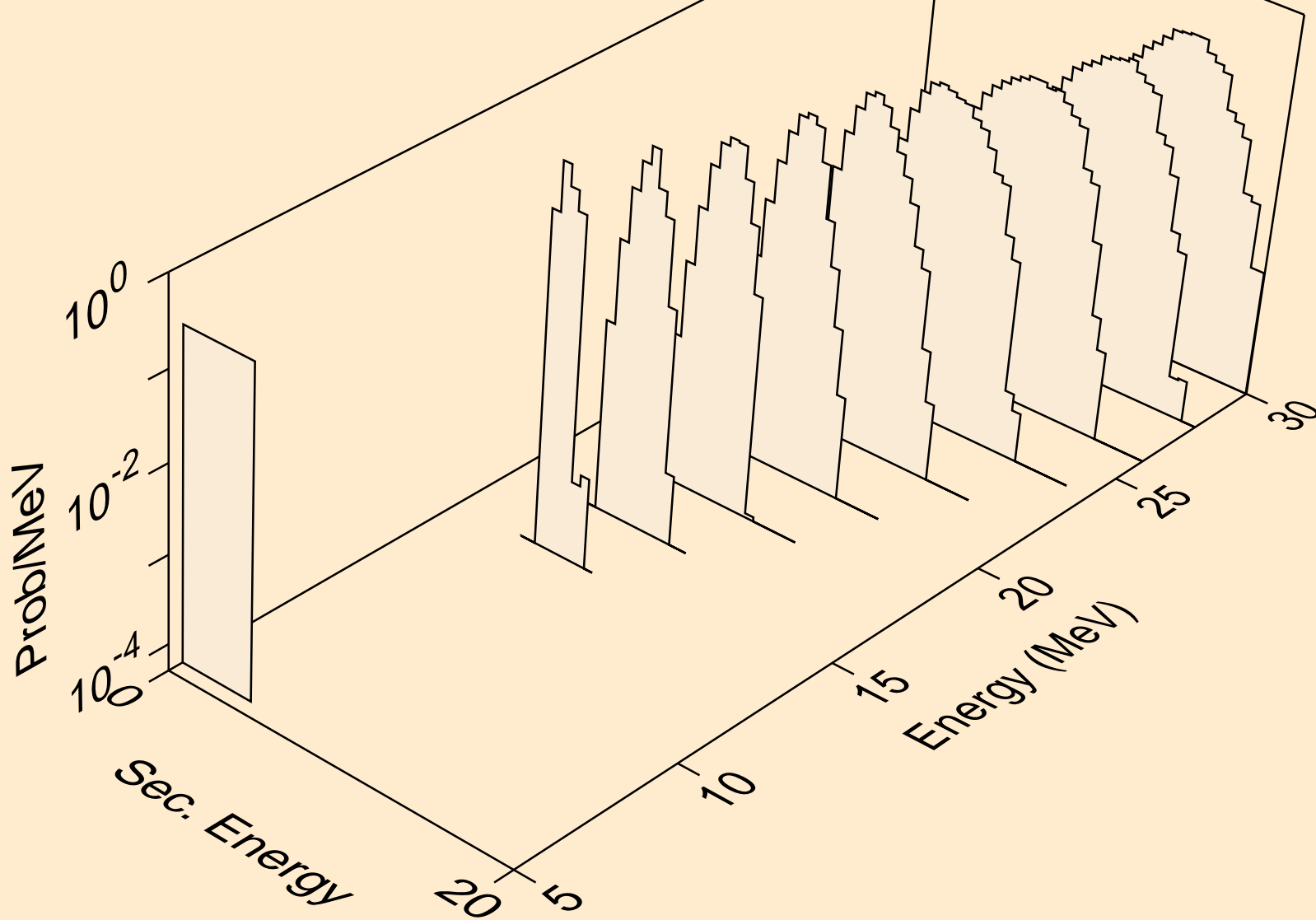
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a

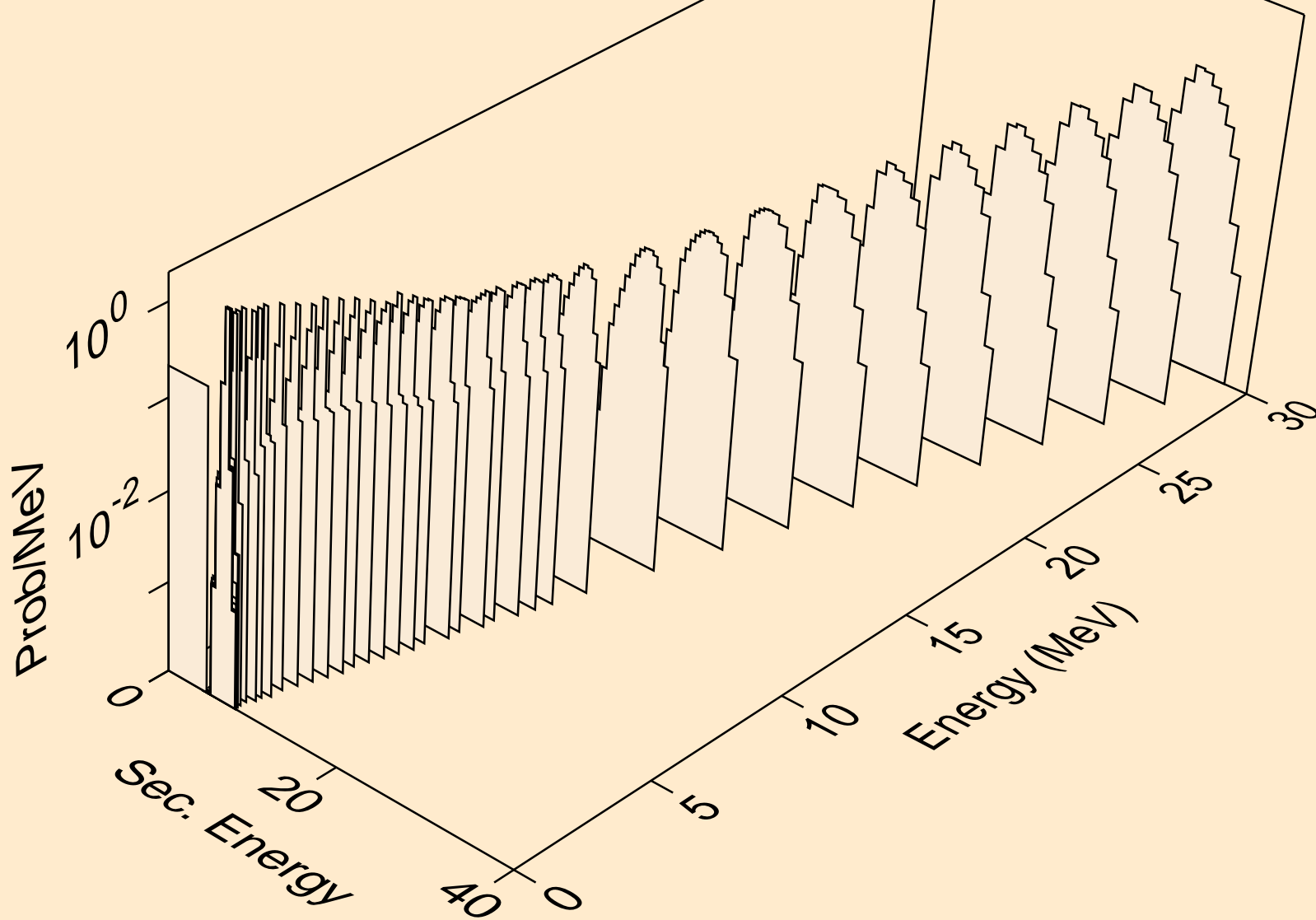


GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)

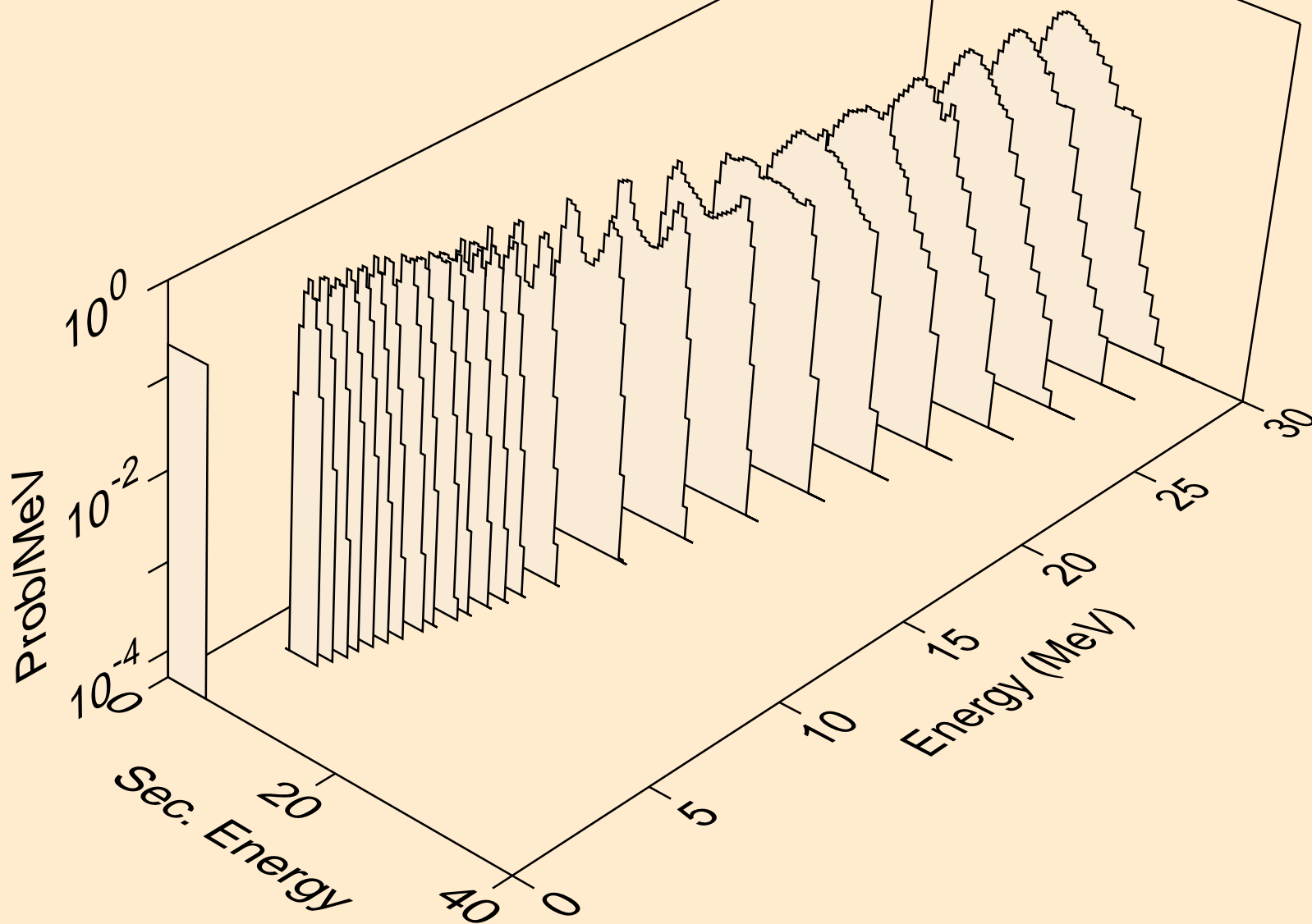




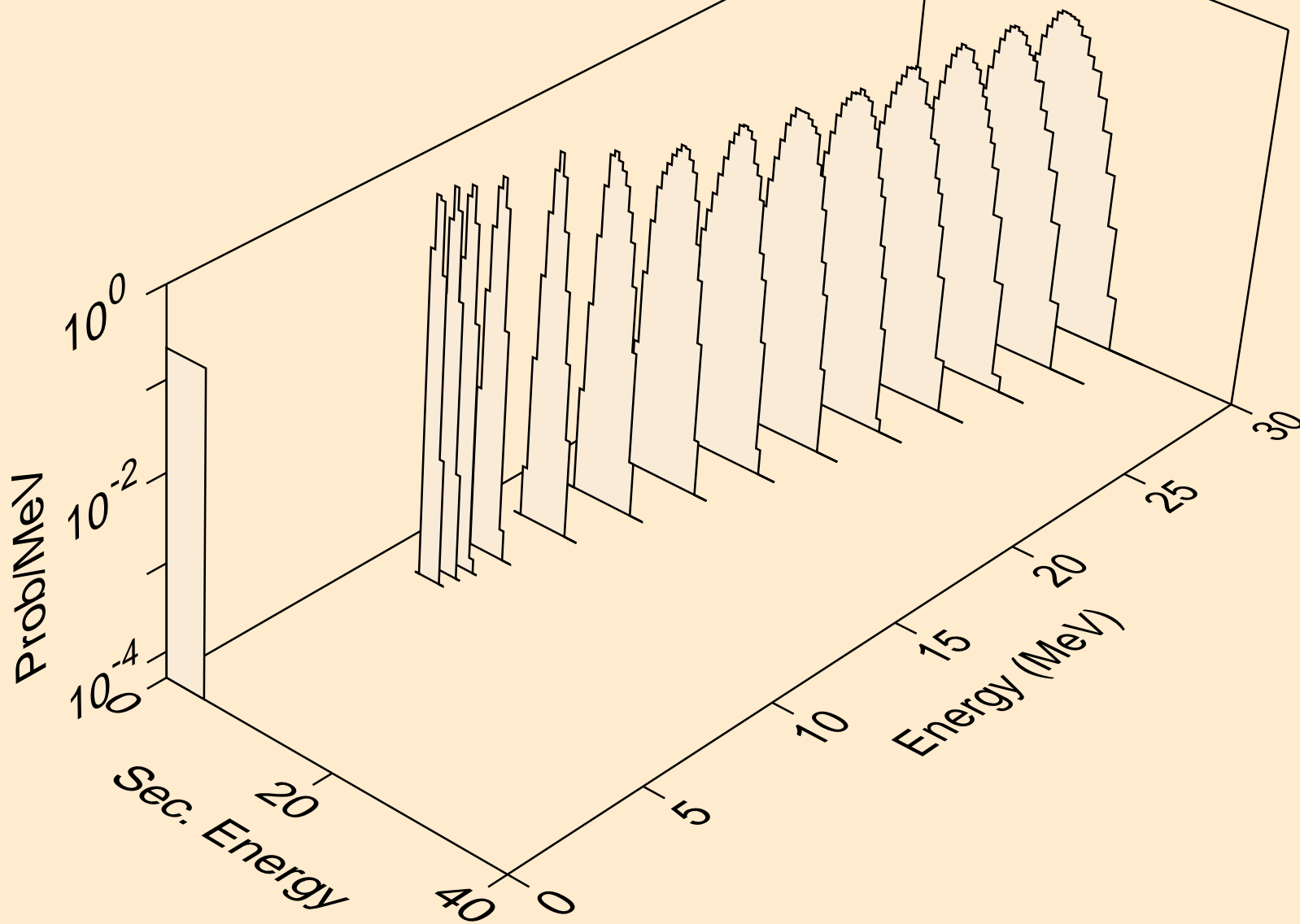
GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)



GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)



GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



GD152 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

