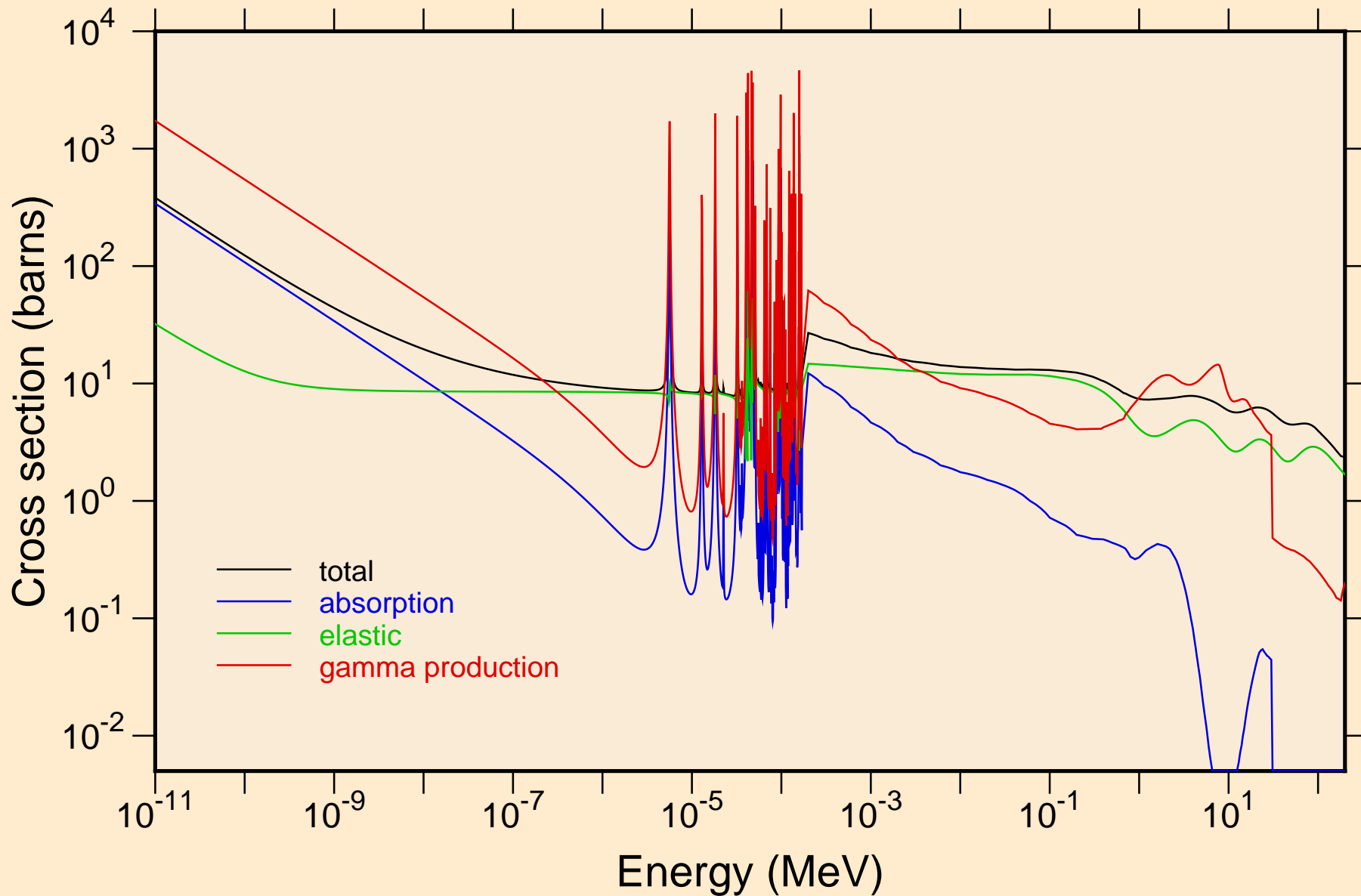
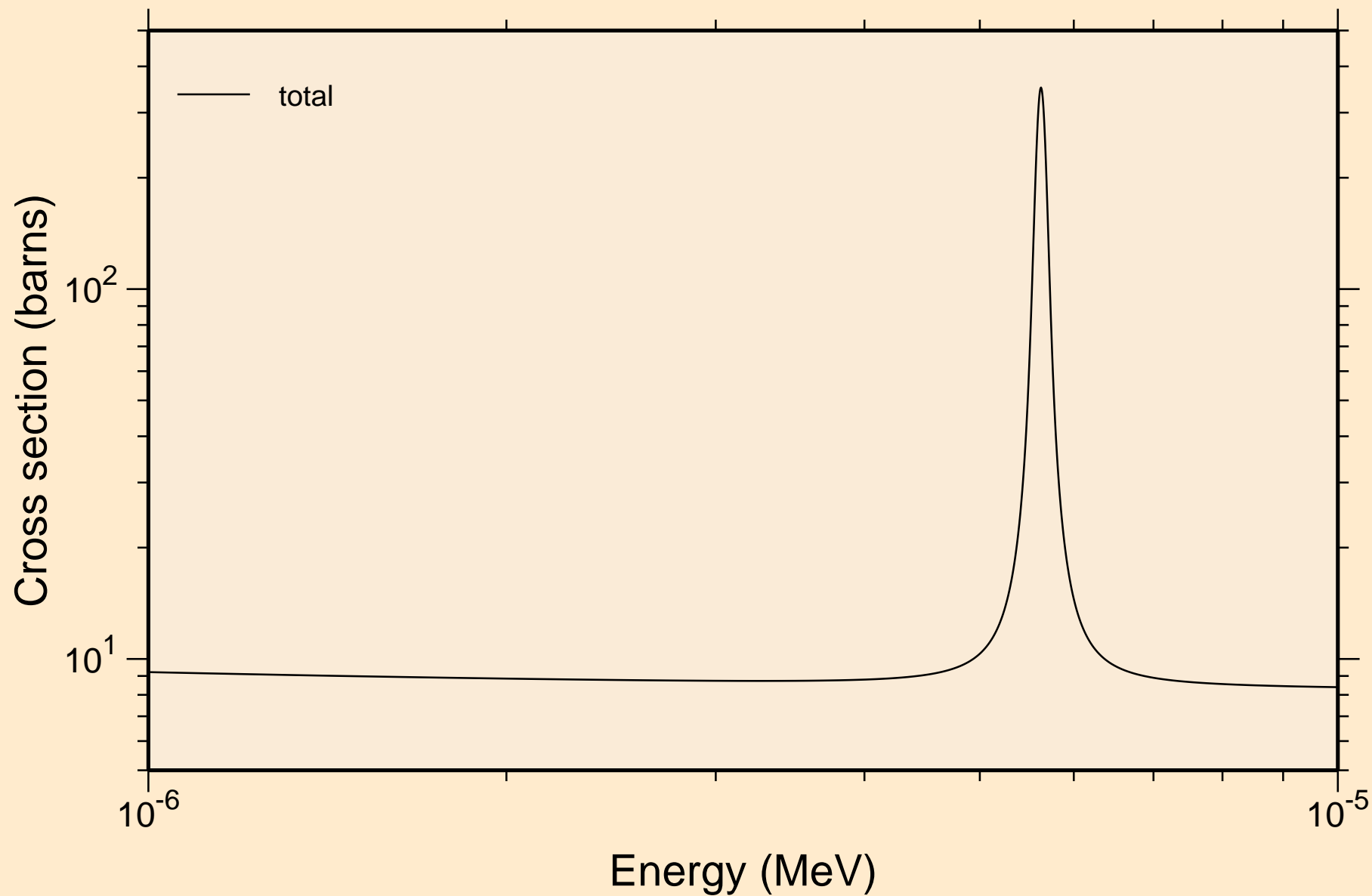


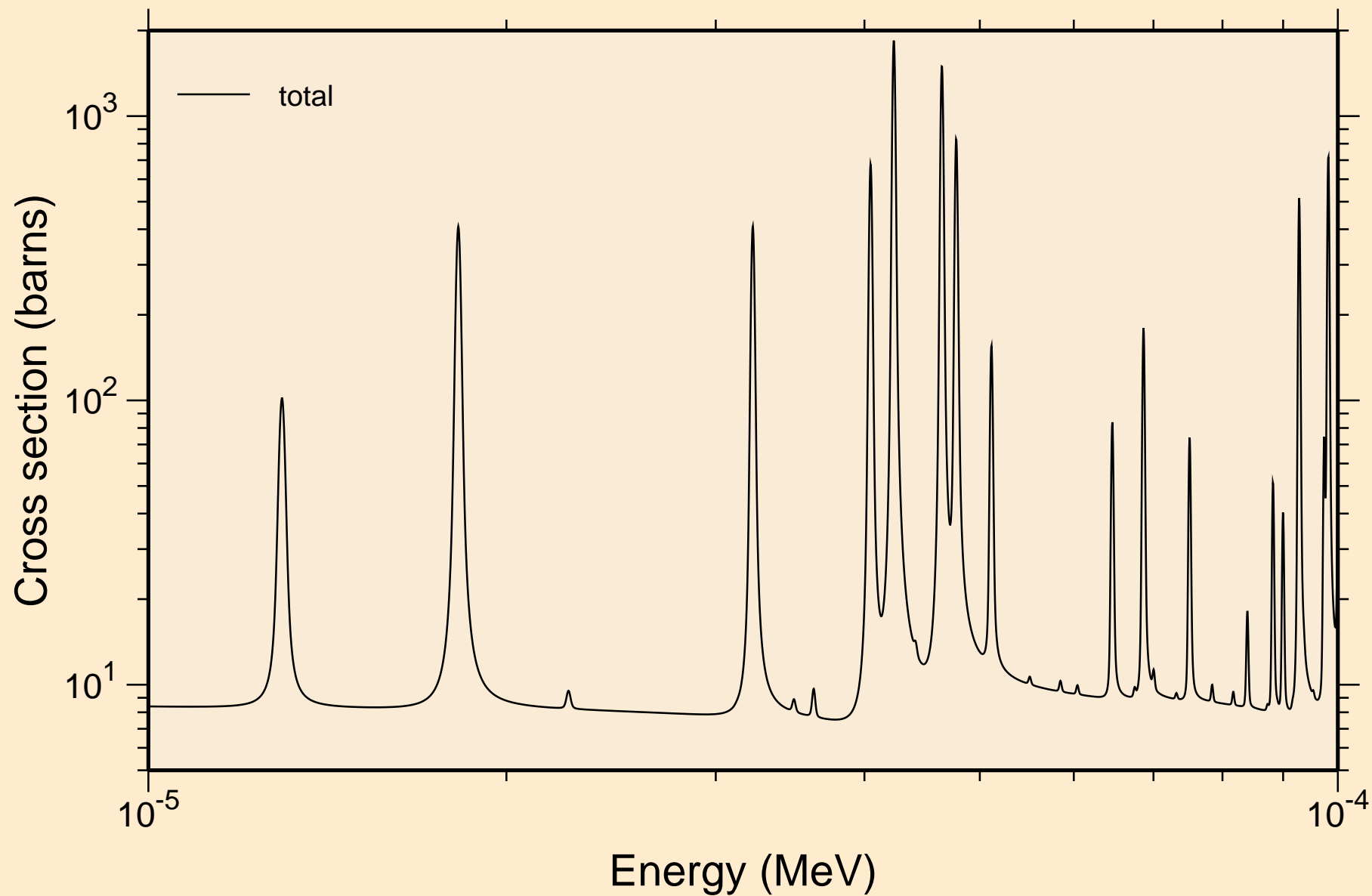
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



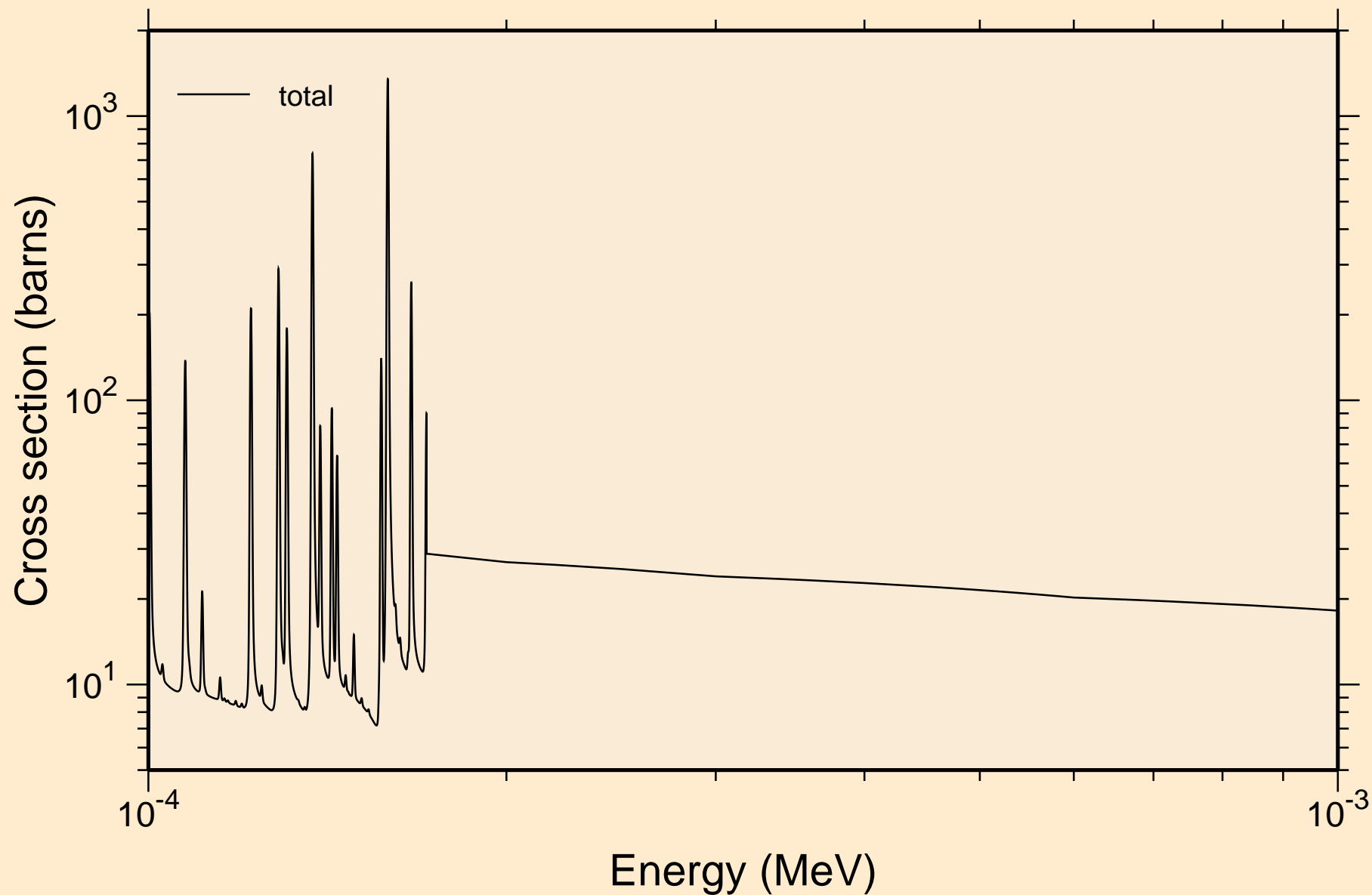
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



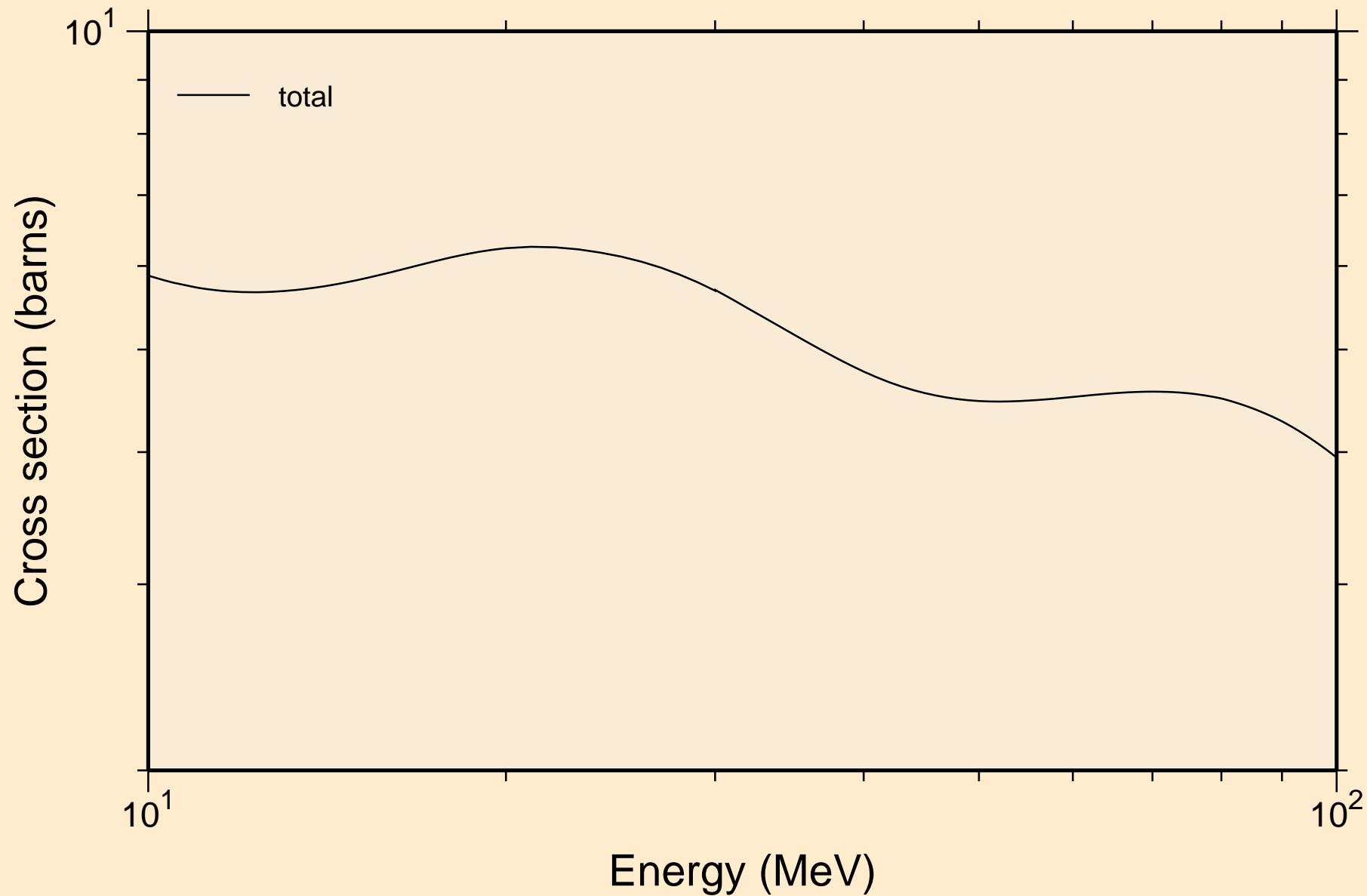
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resonance total cross section



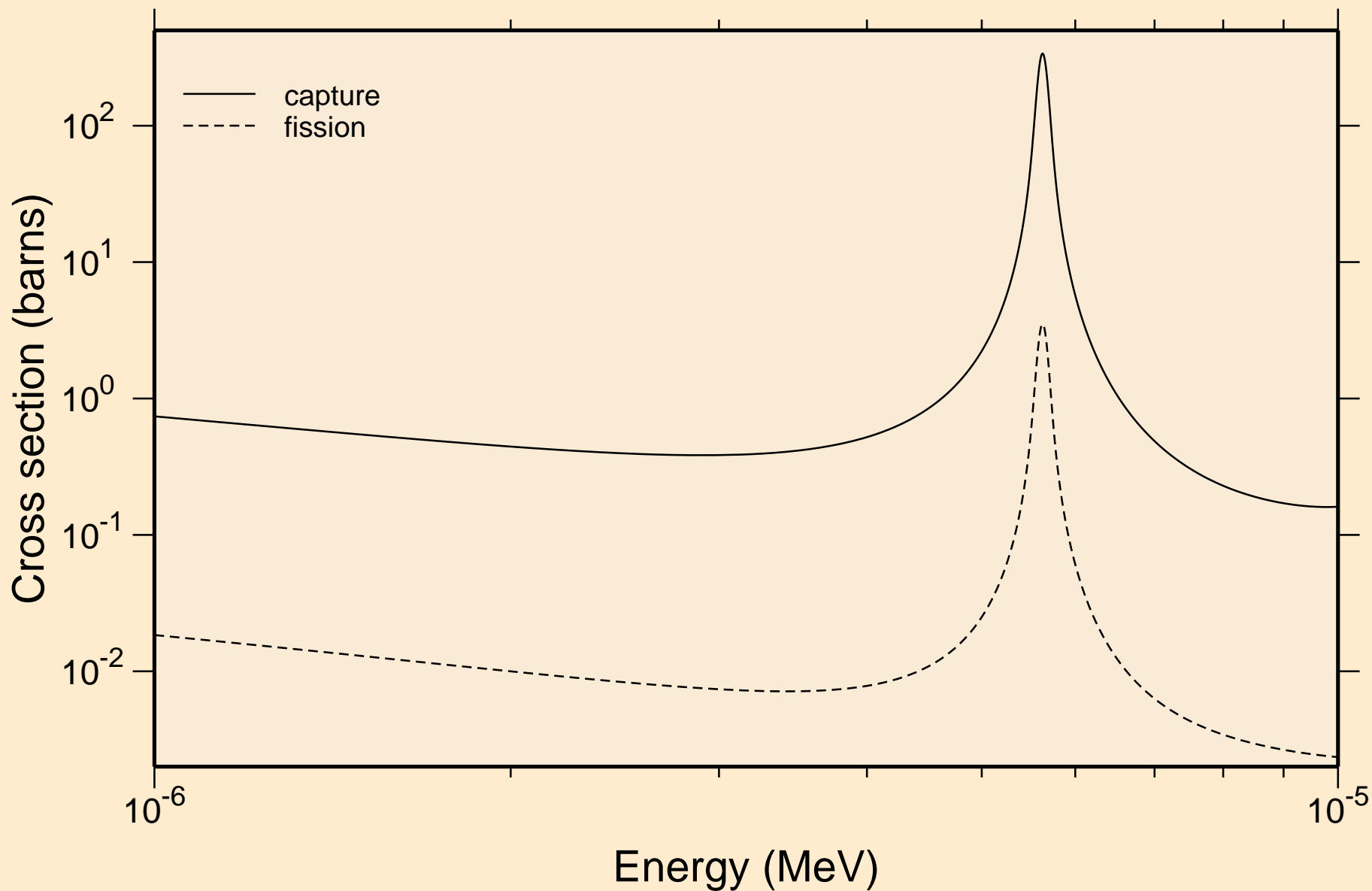
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



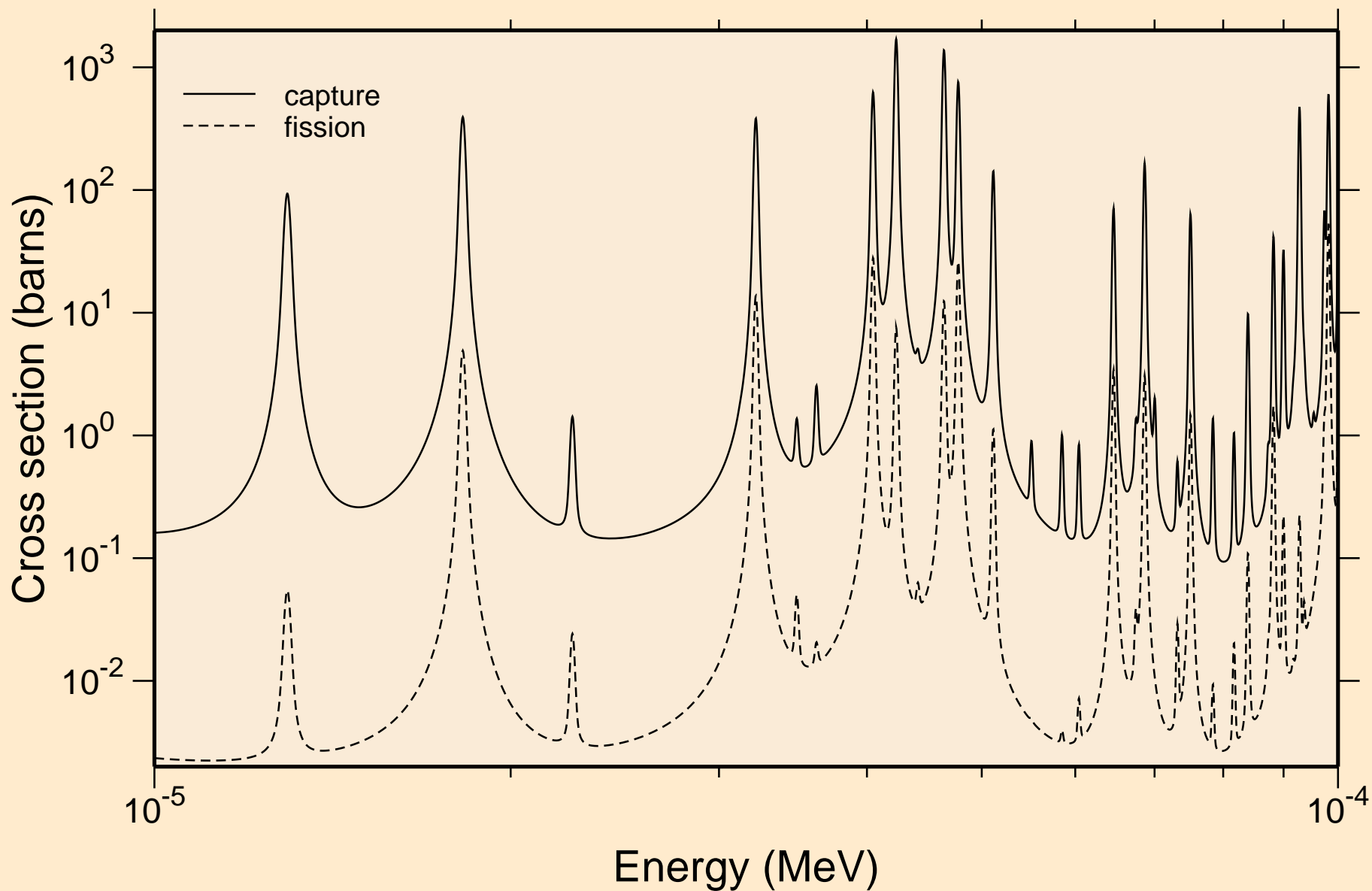
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



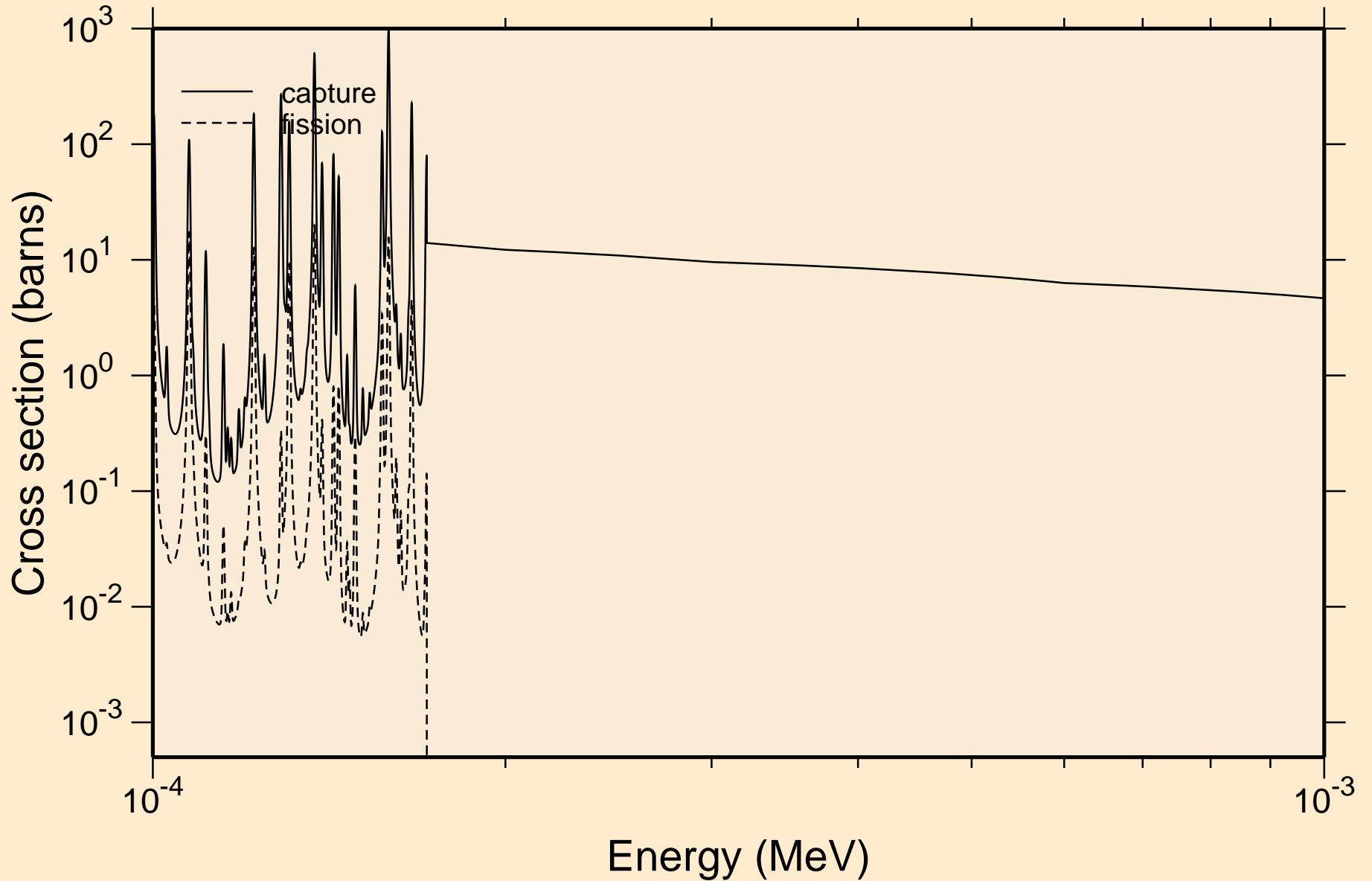
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

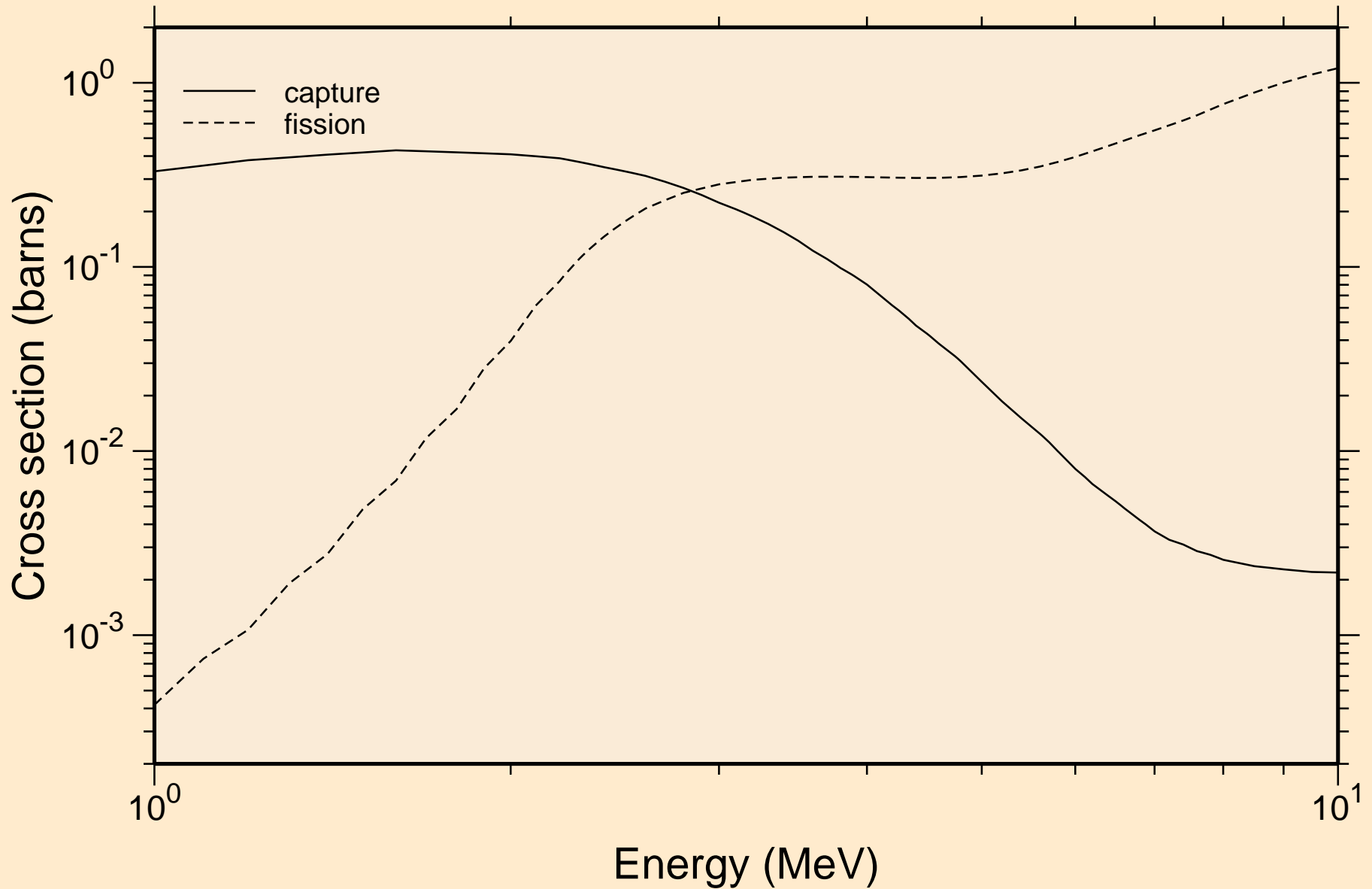


CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

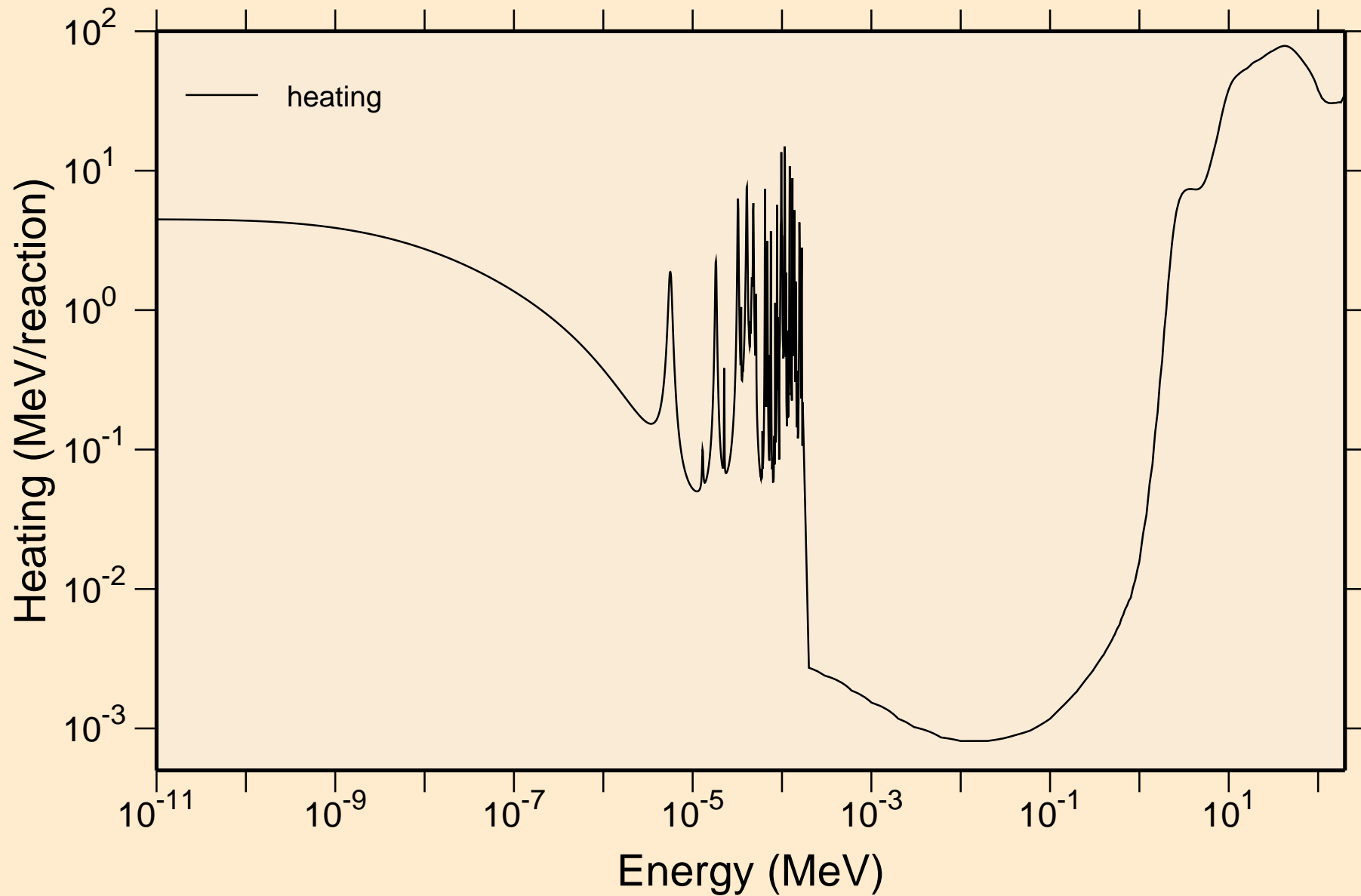




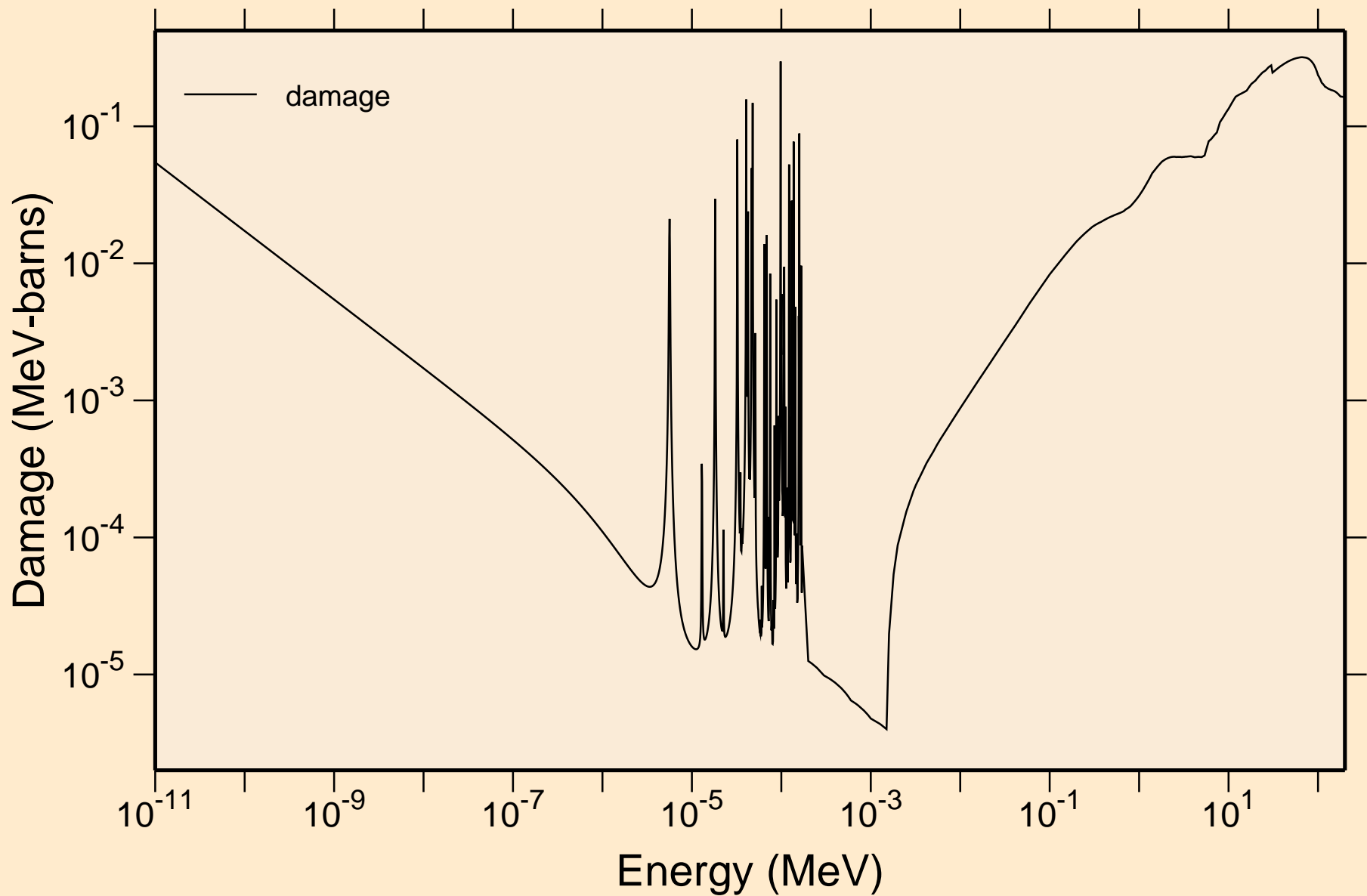
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

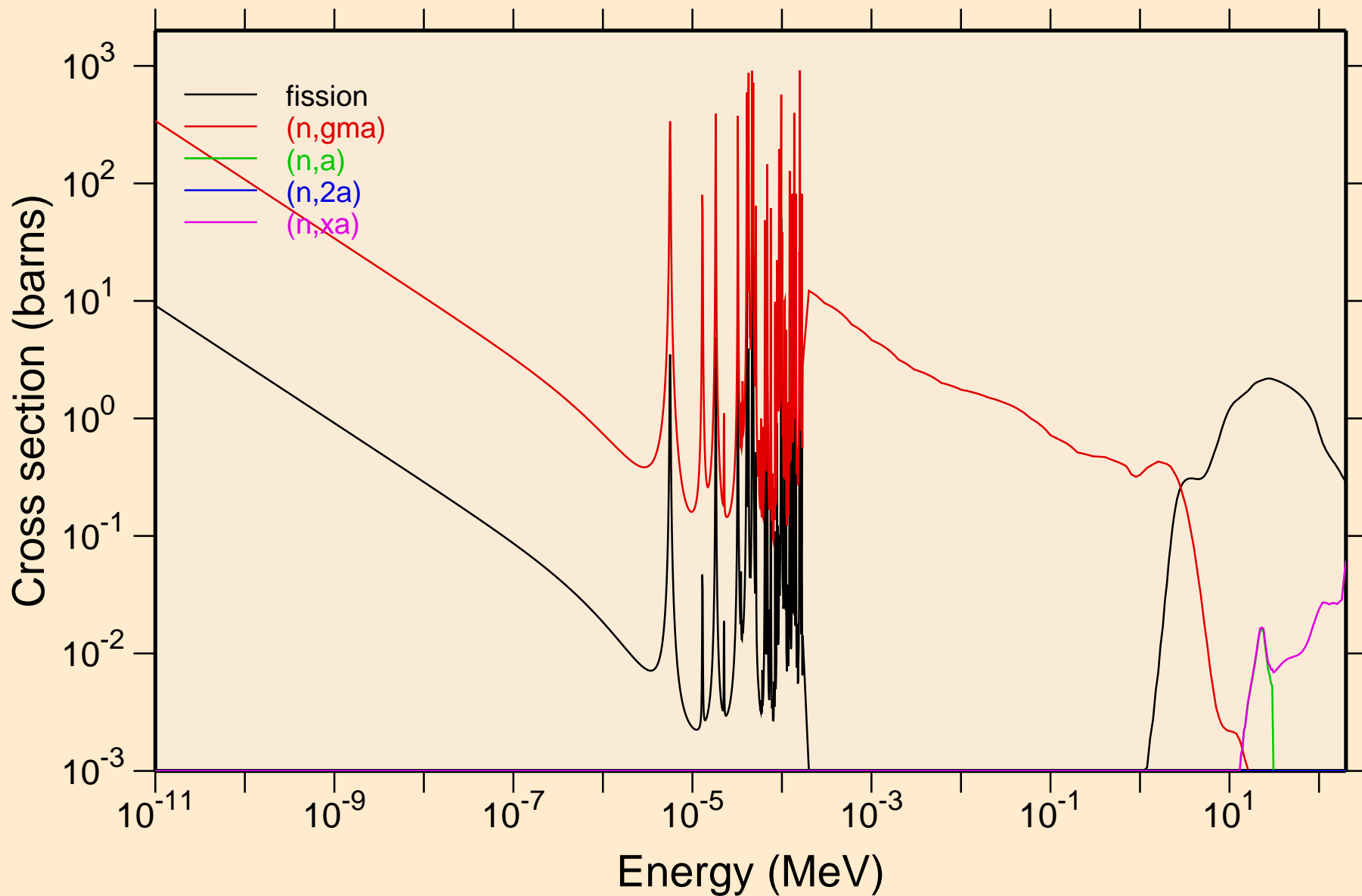


CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage

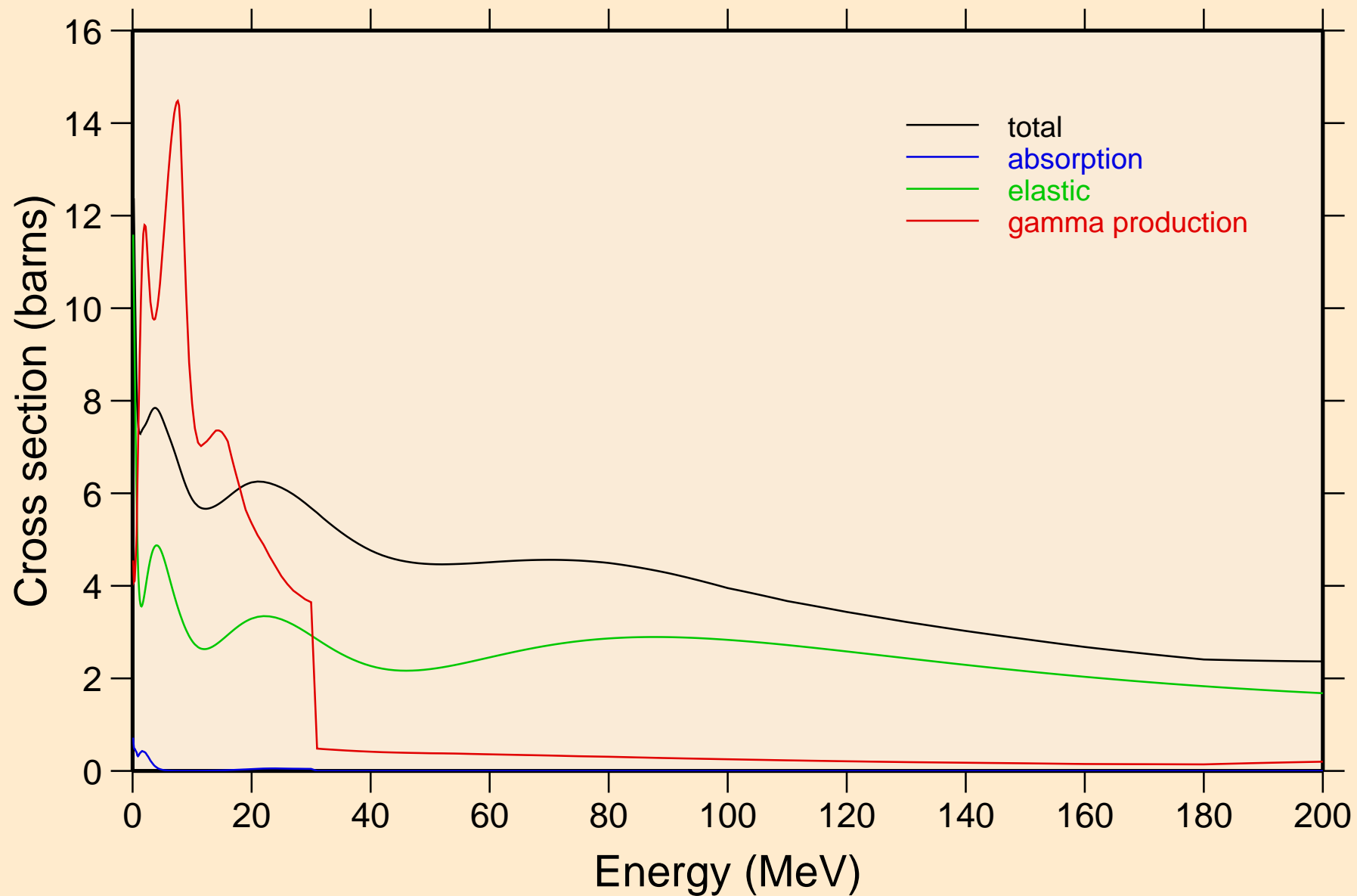


# CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

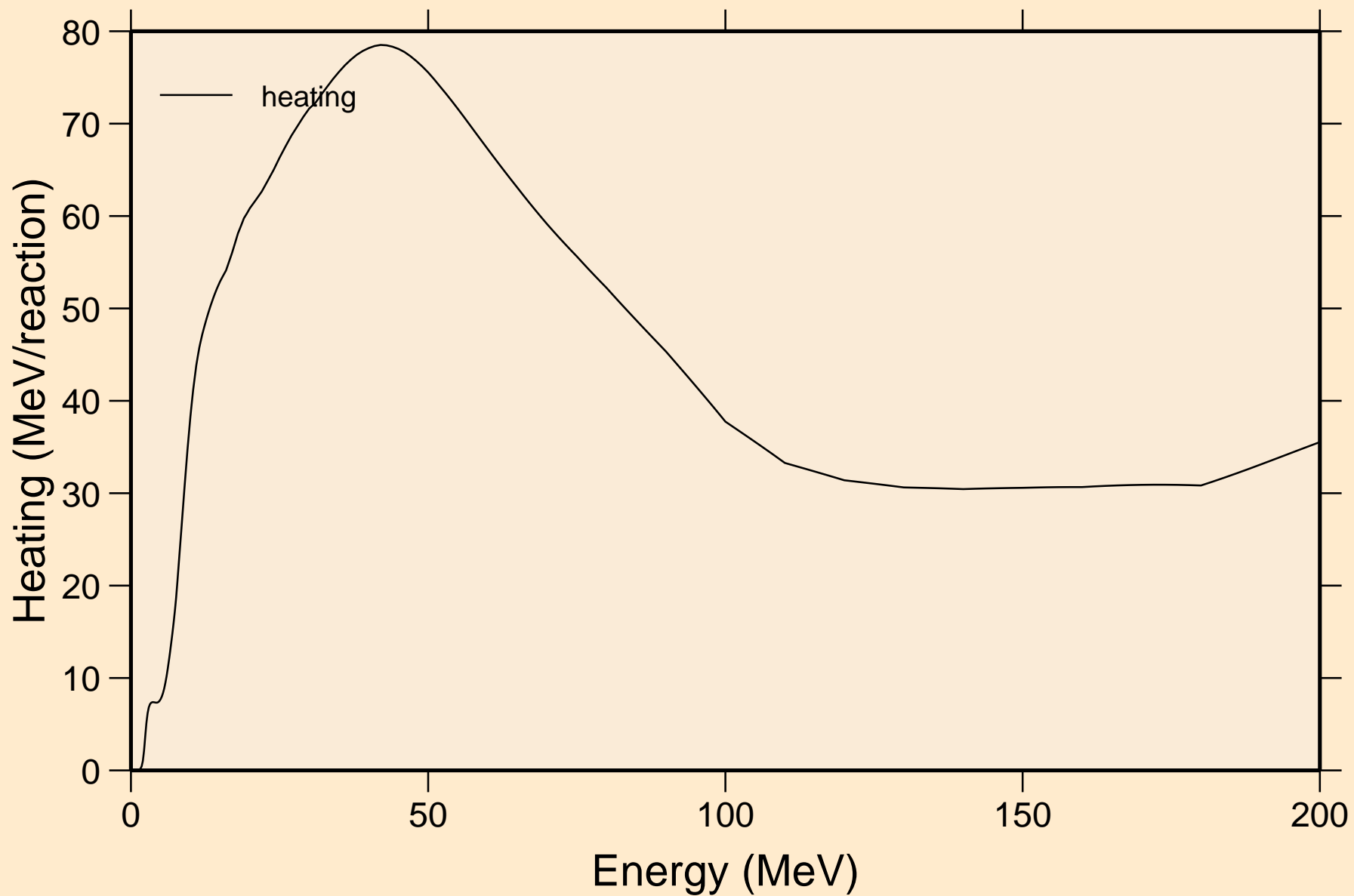
## Non-threshold reactions



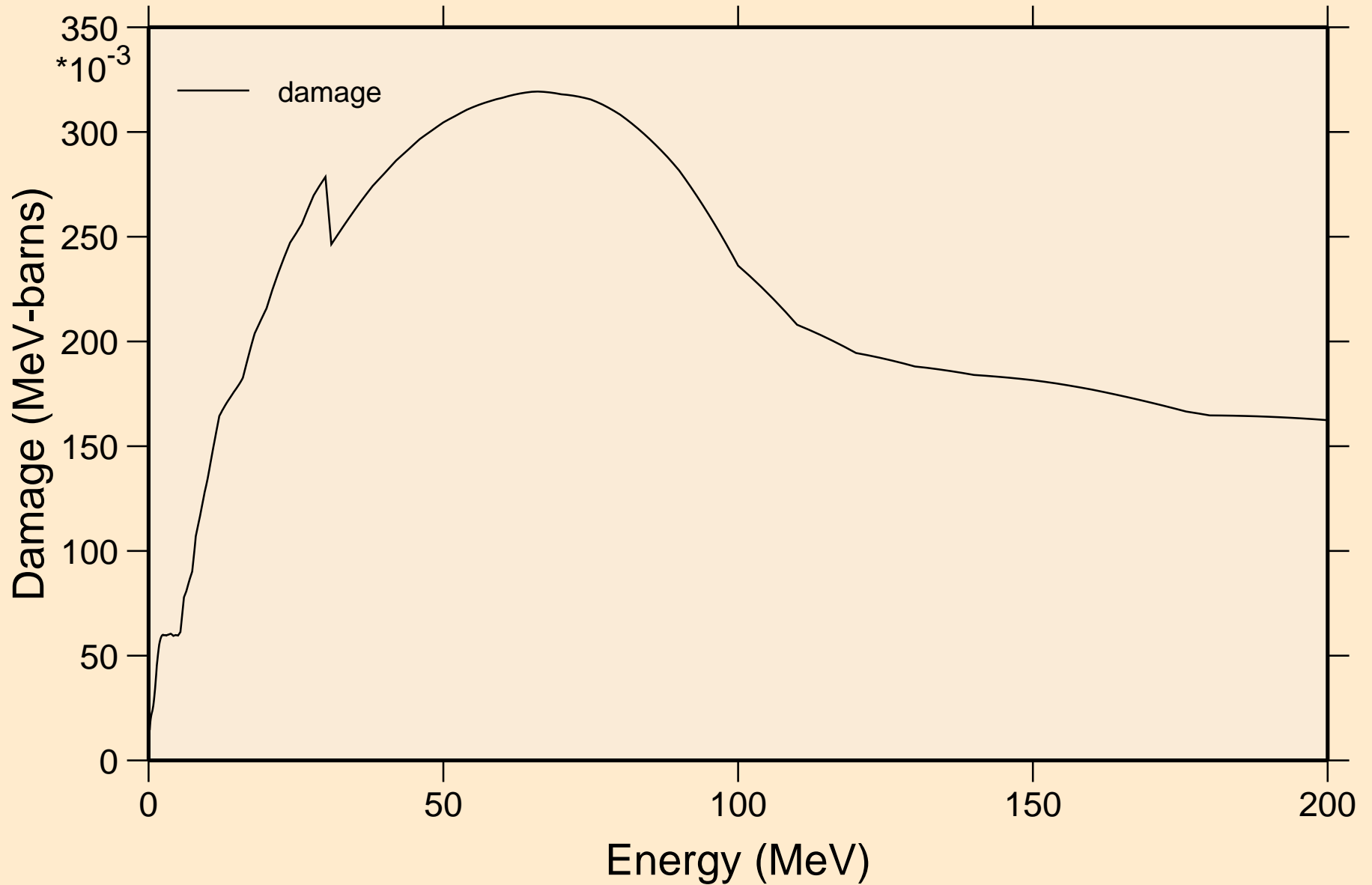
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

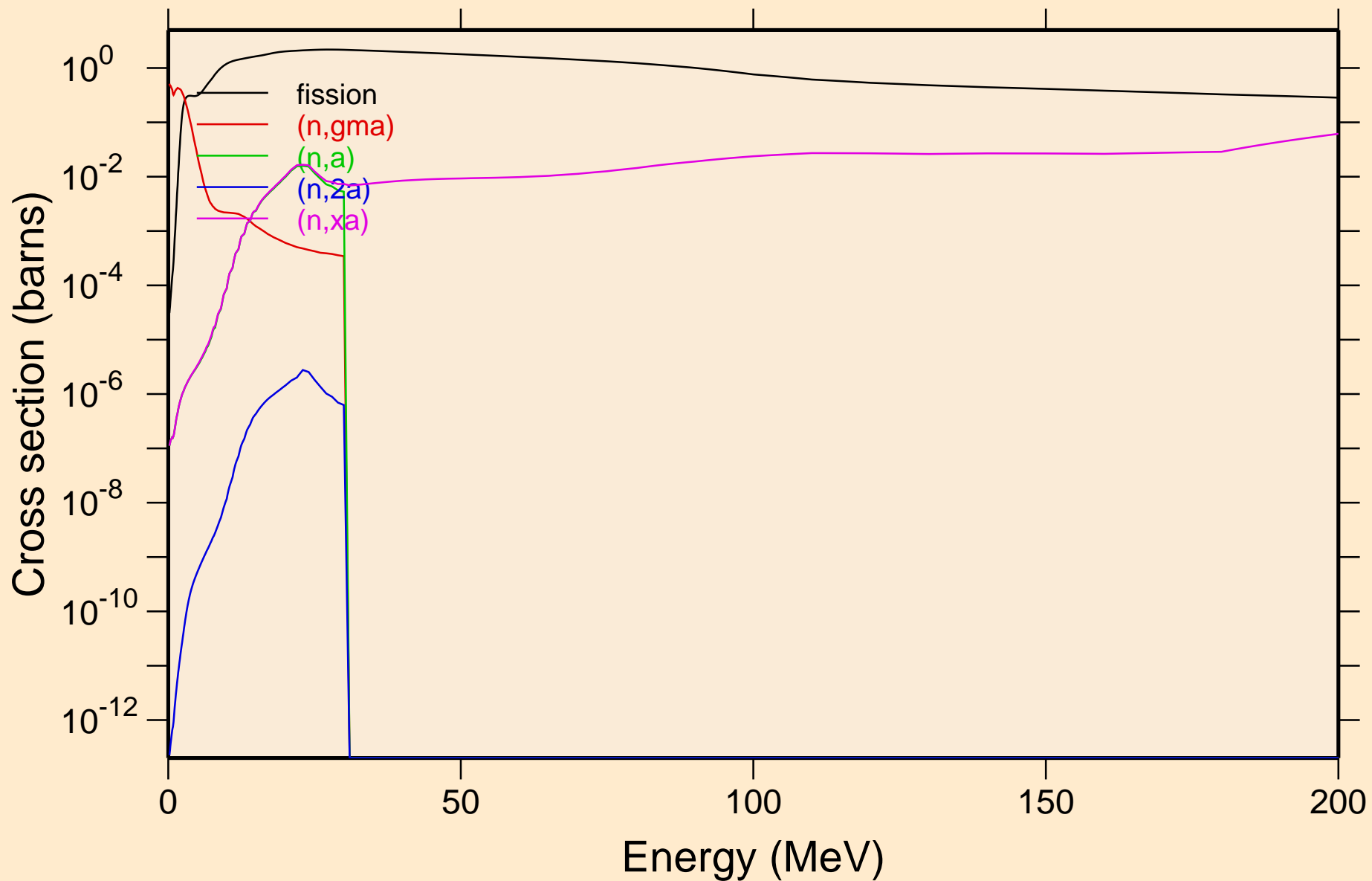


CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage



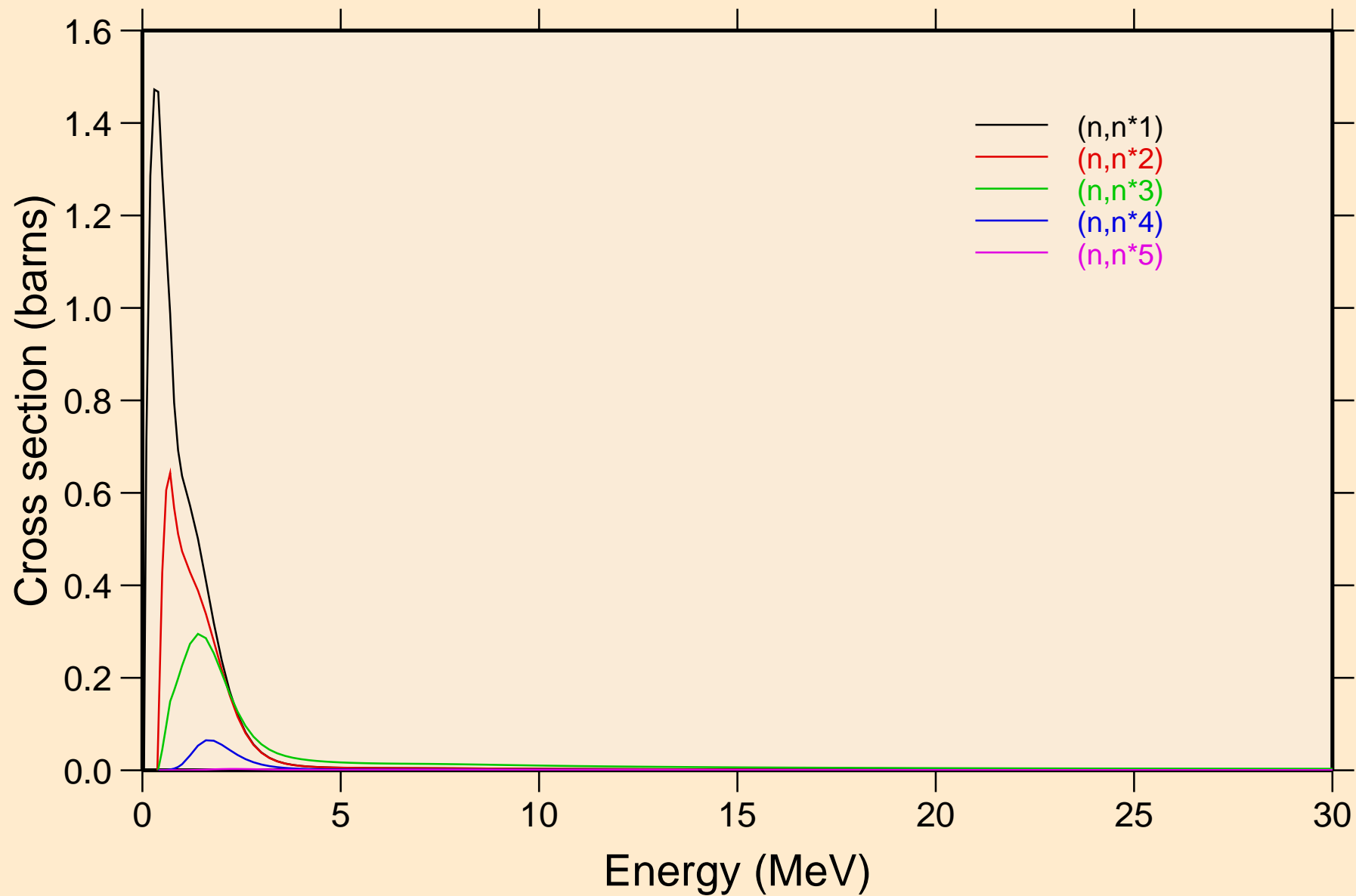
# CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Non-threshold reactions

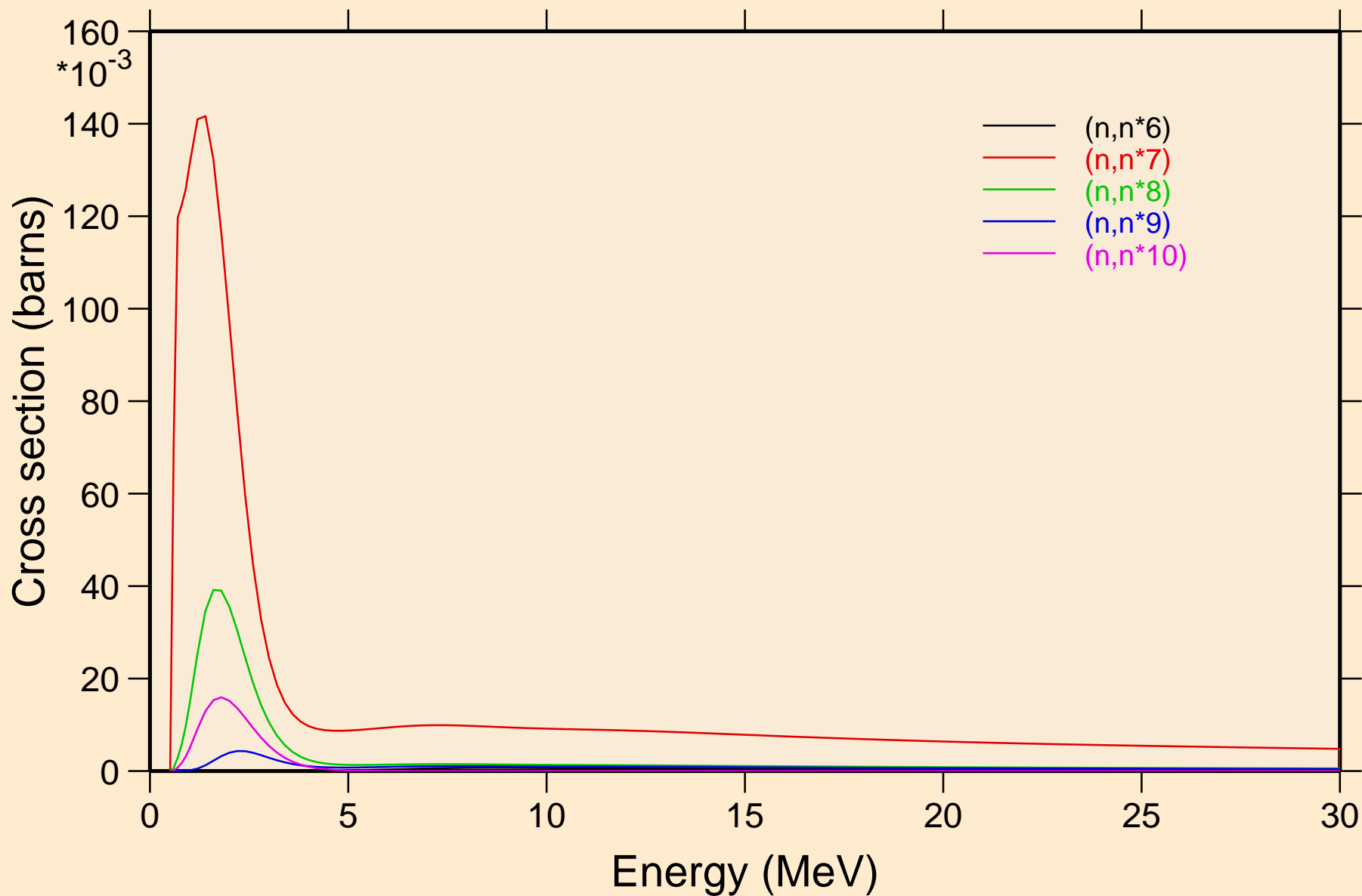




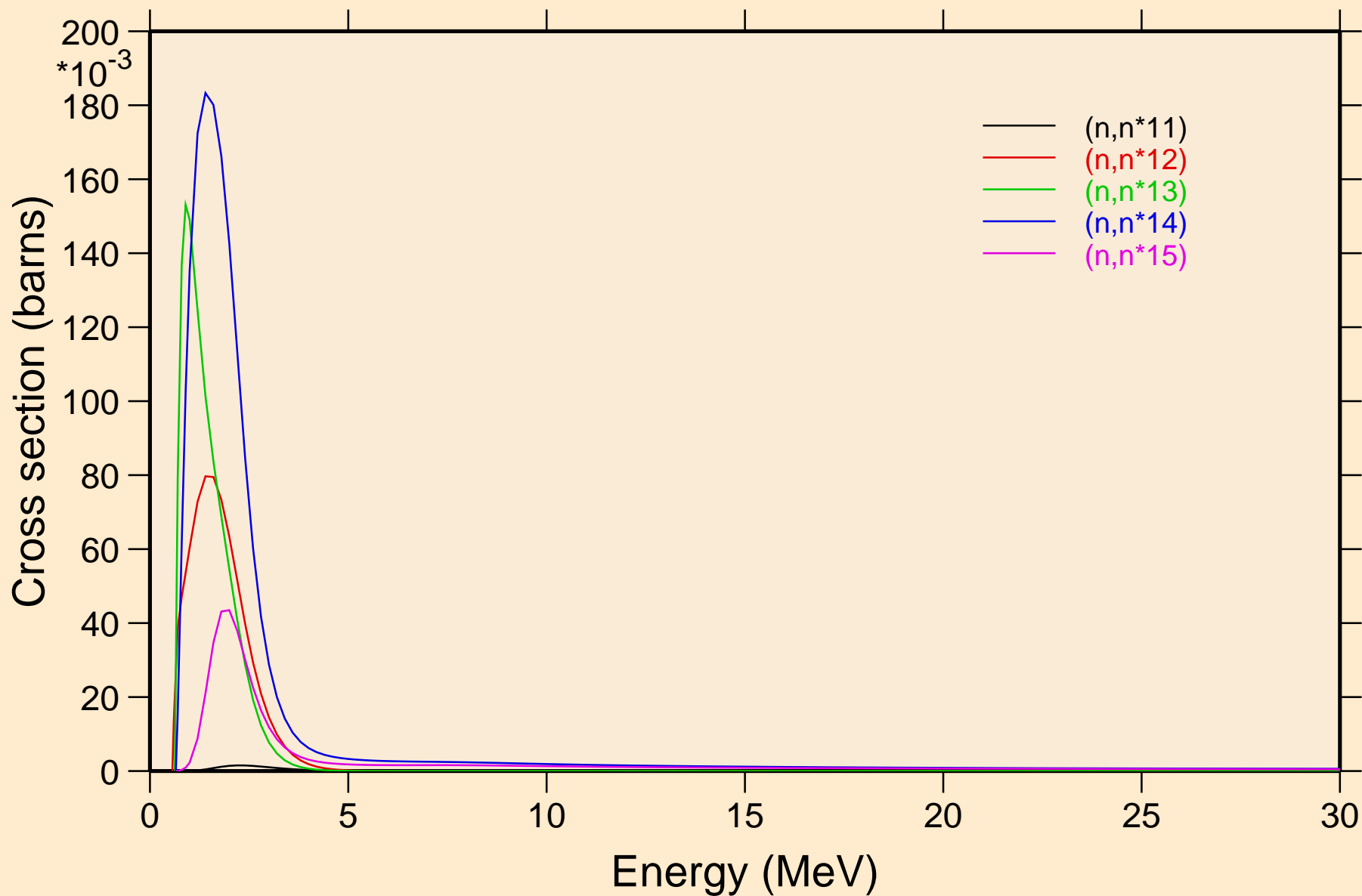
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



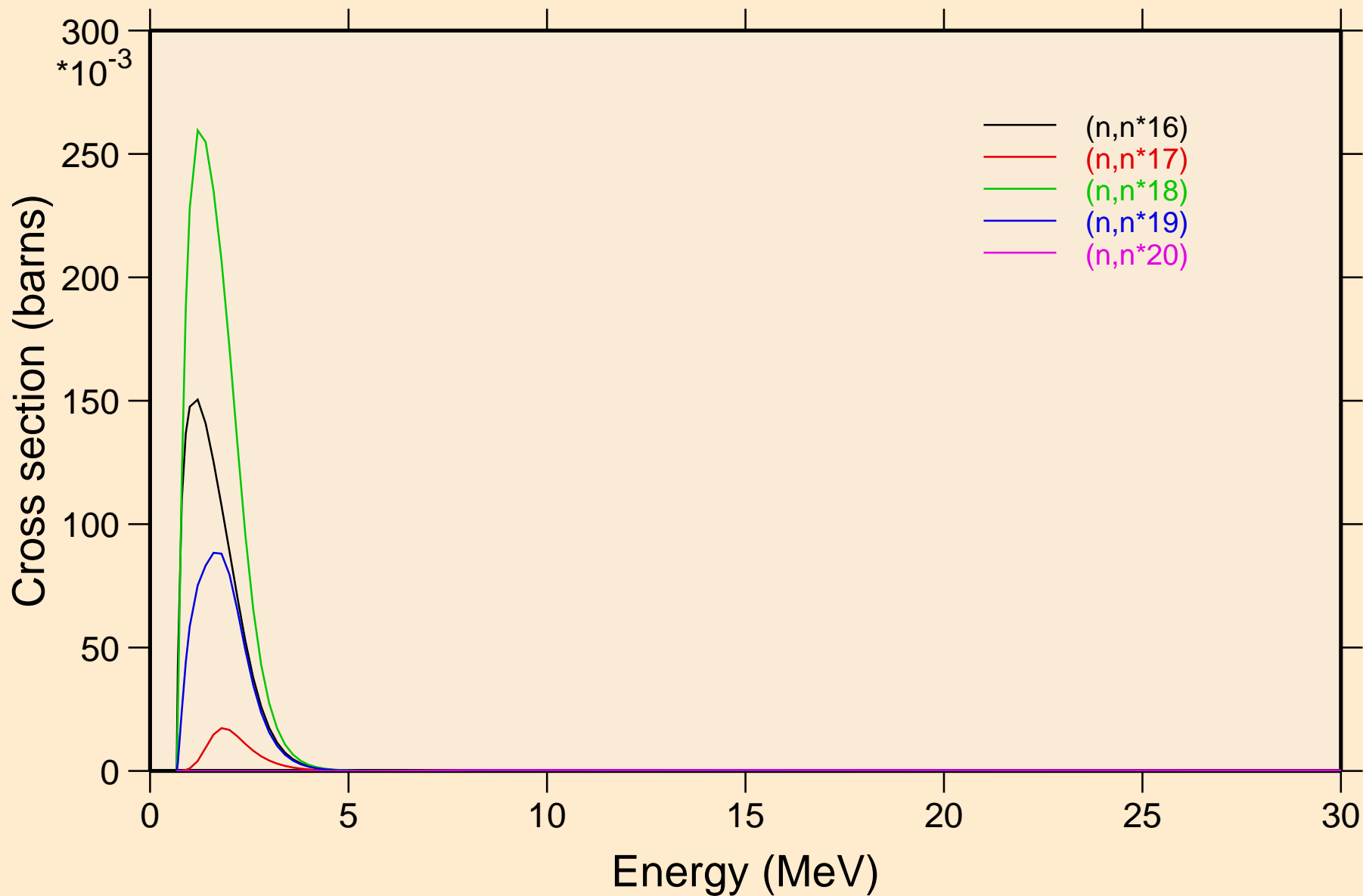
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



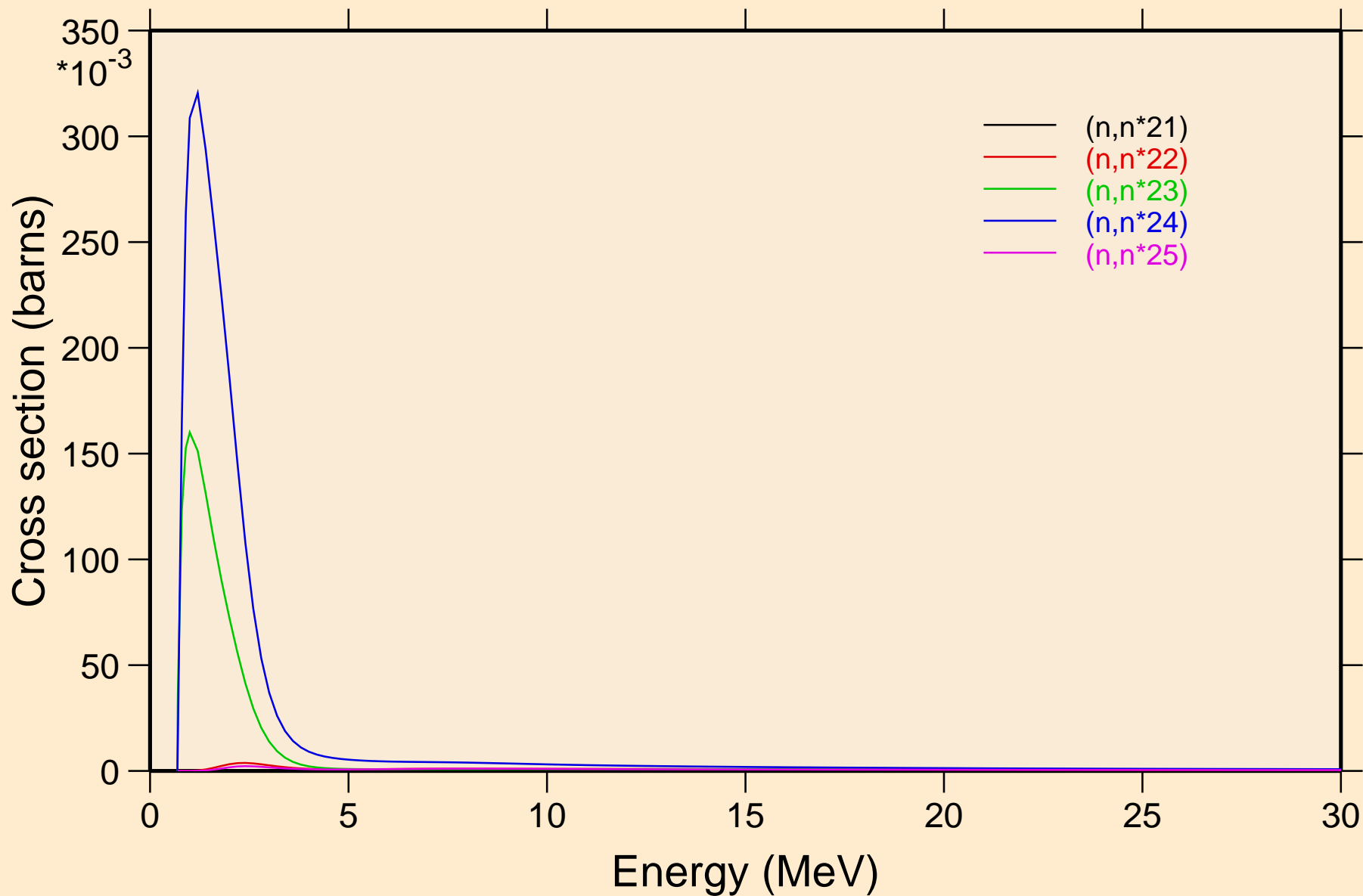
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



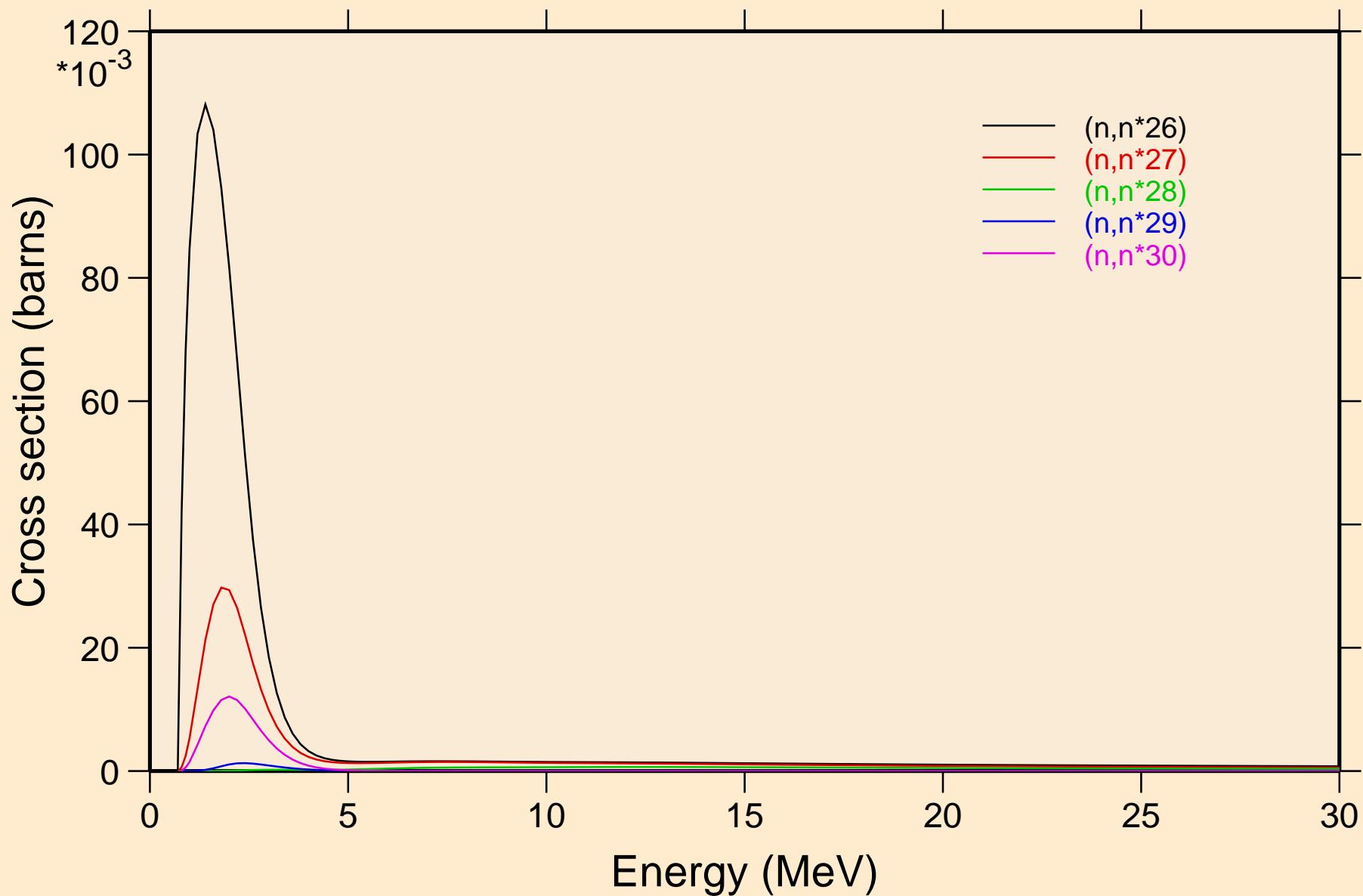
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



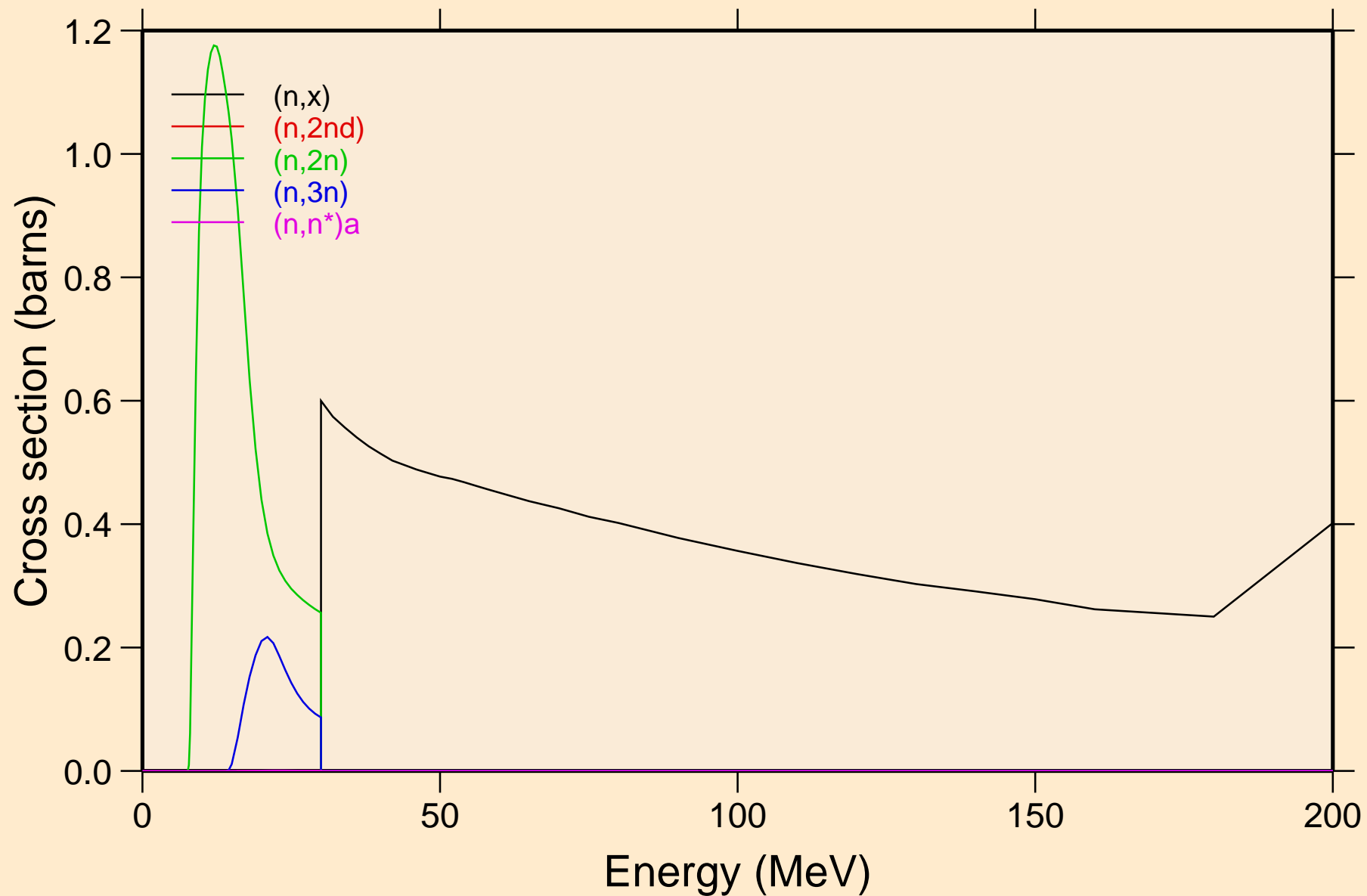
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

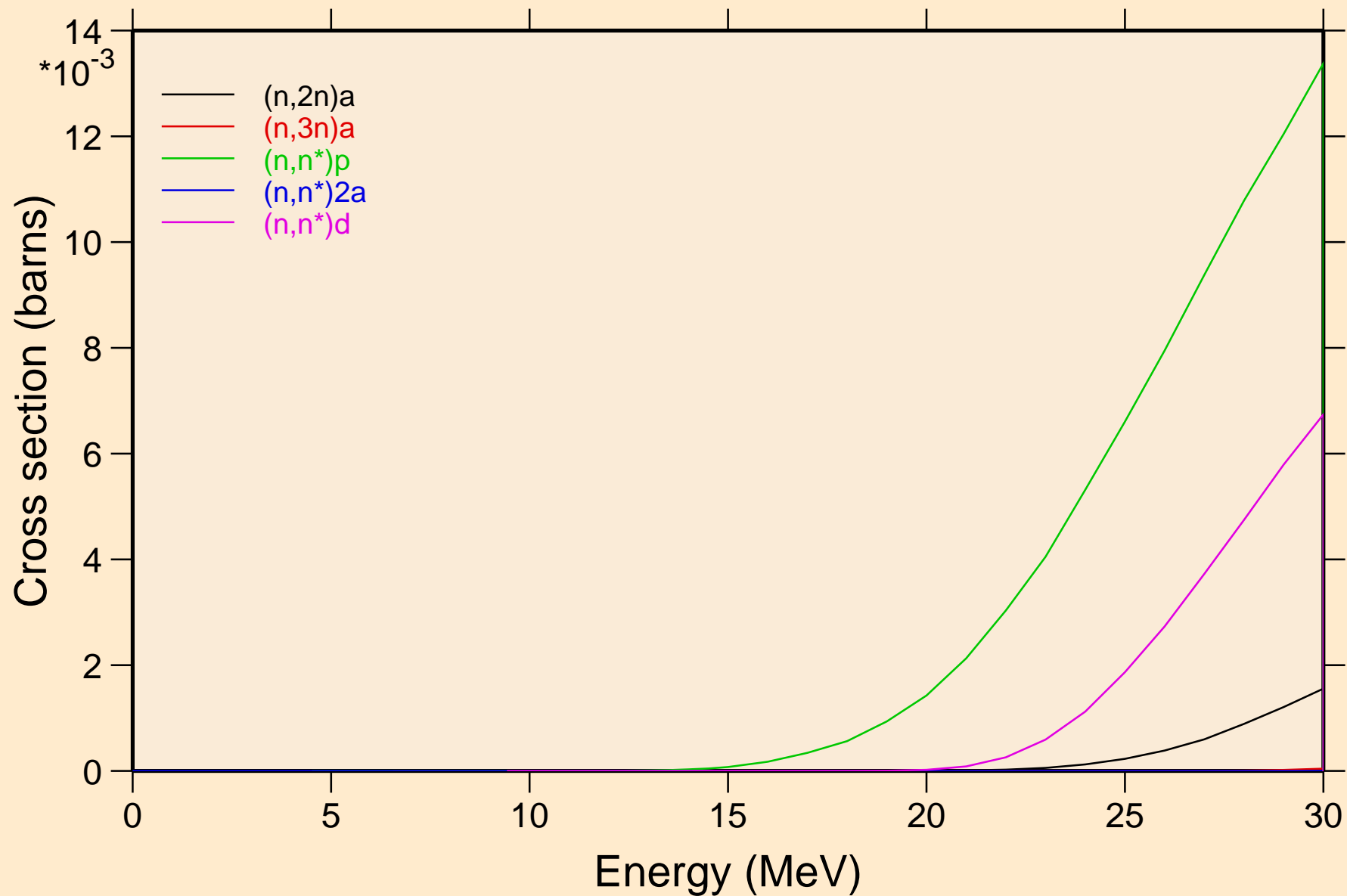


CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



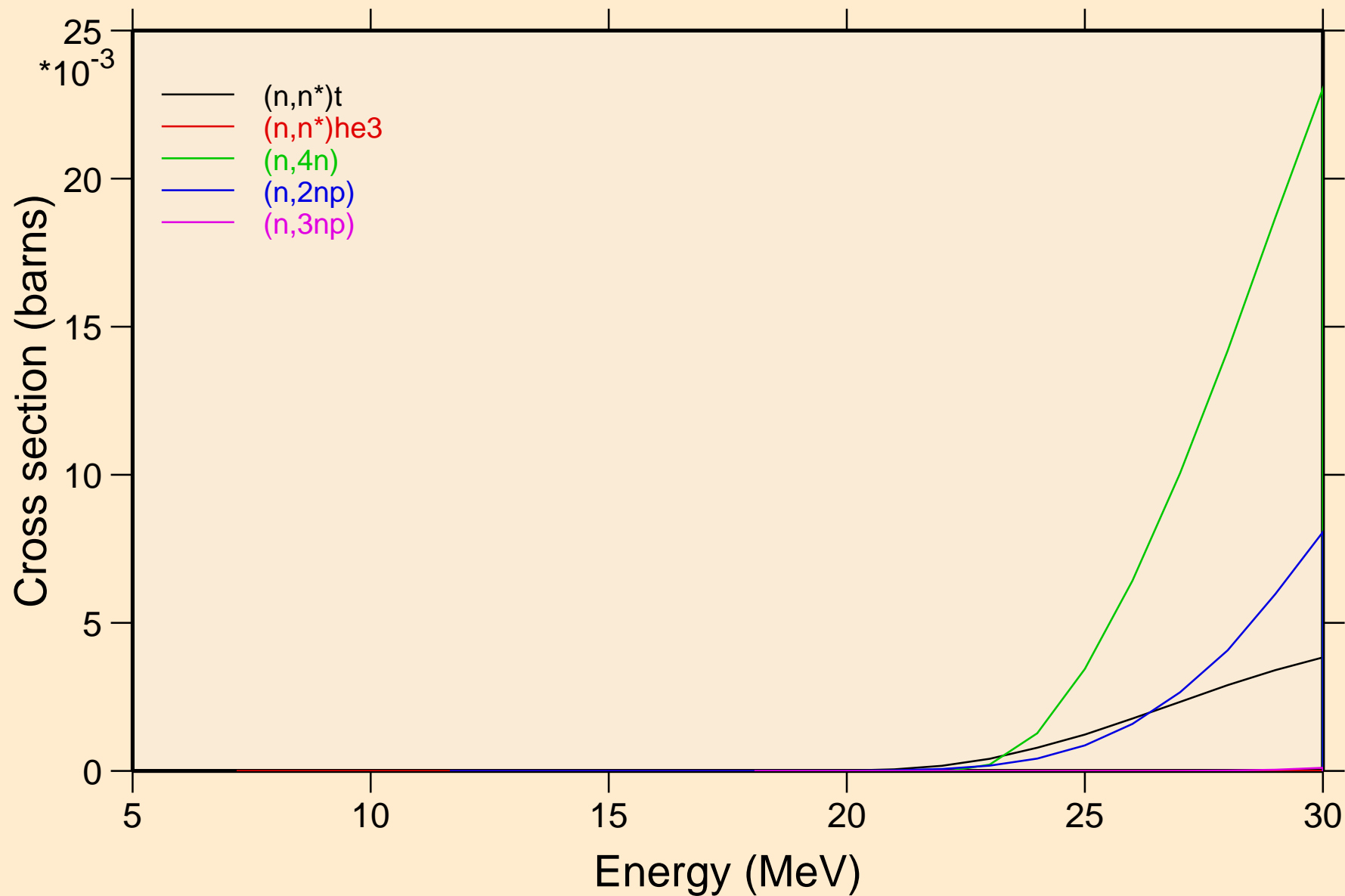
# CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions

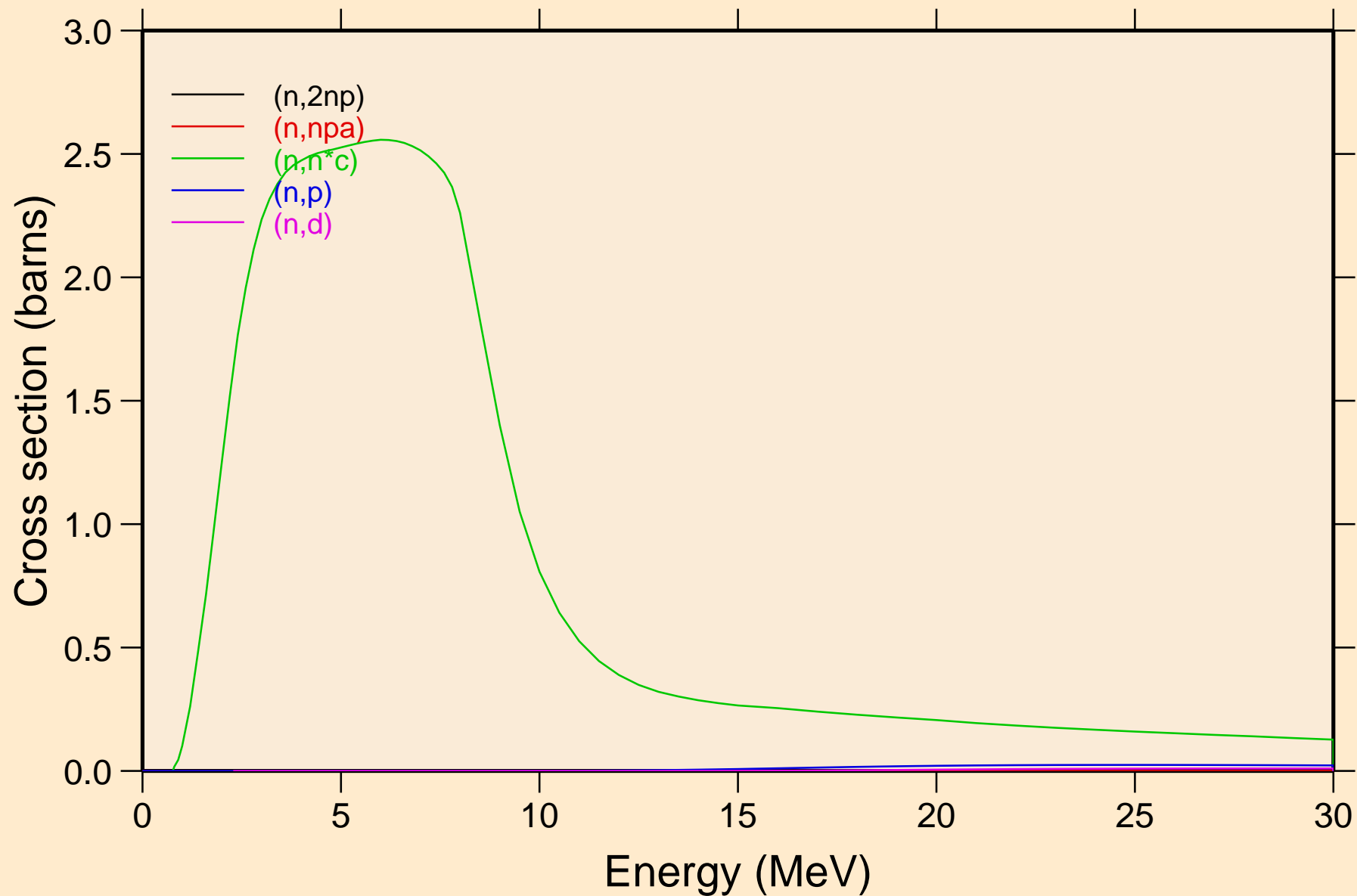




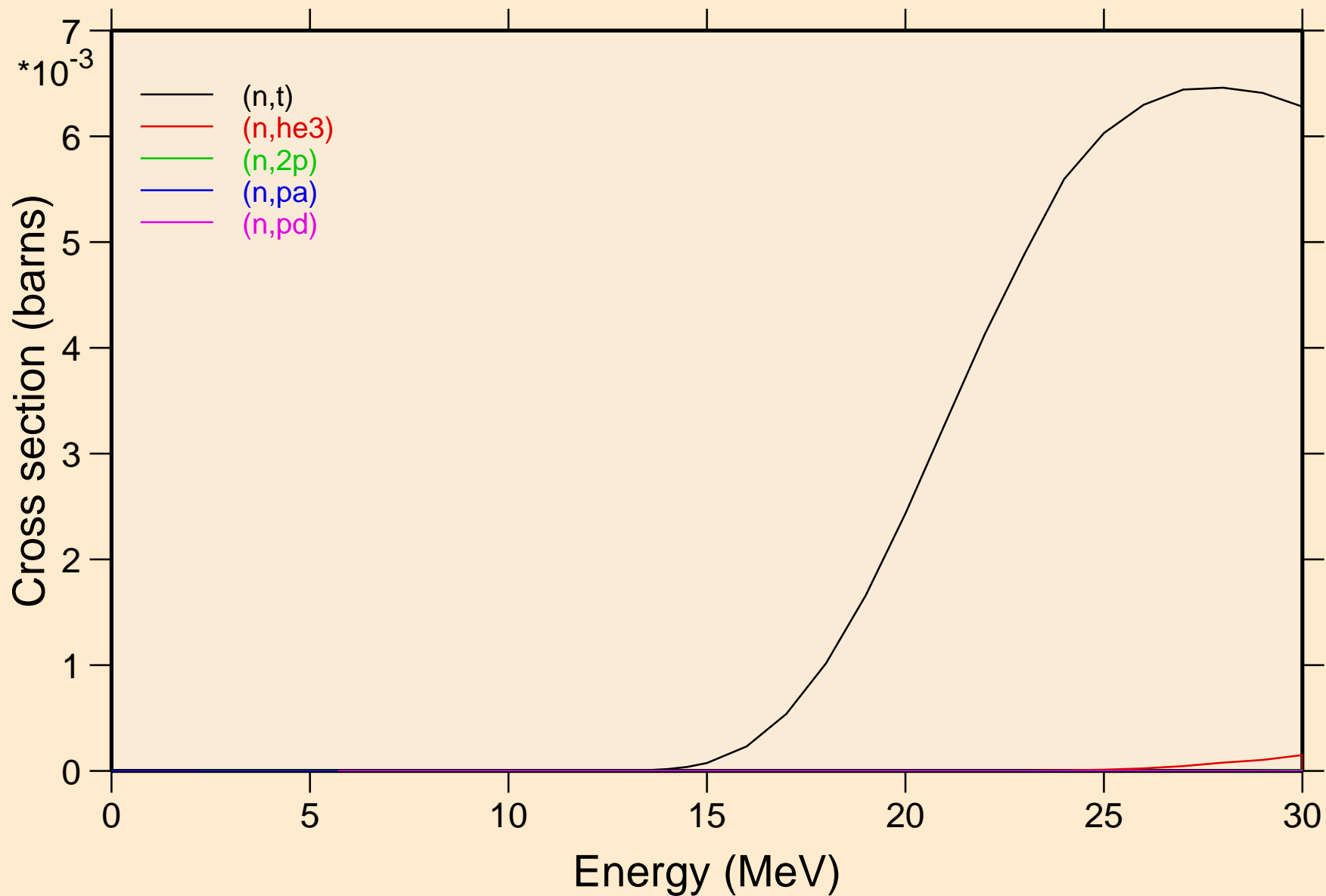
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



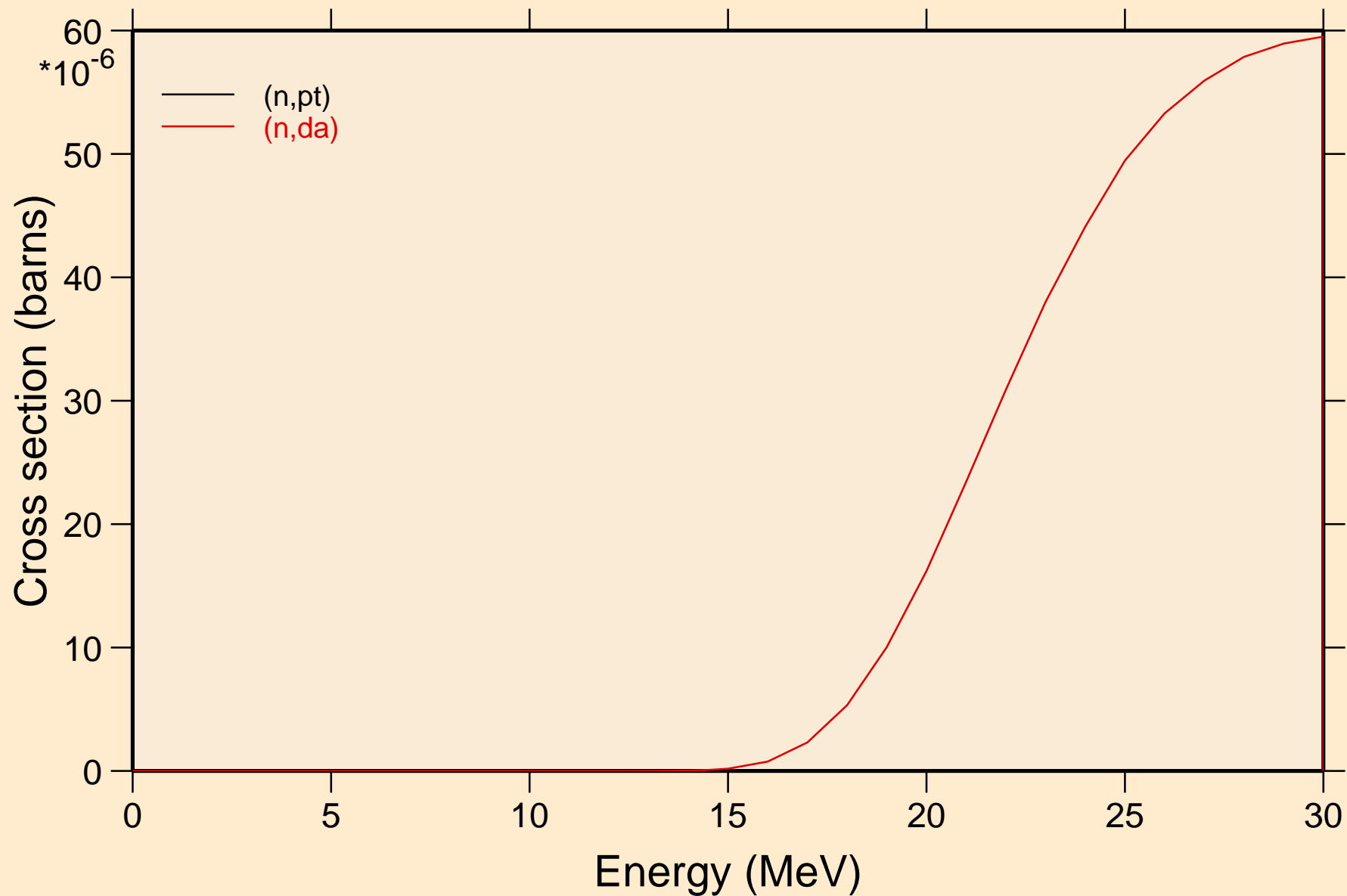
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

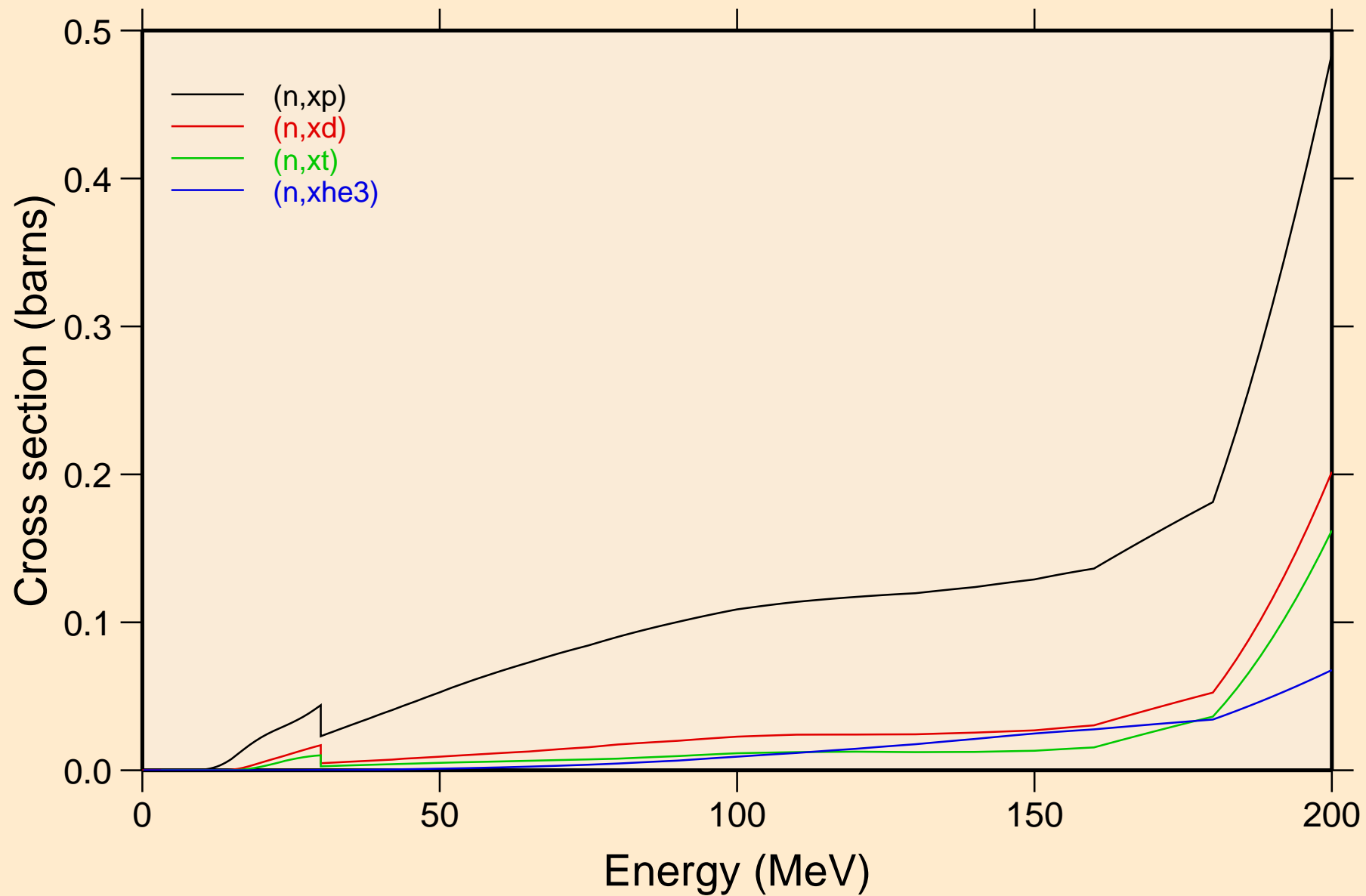


CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

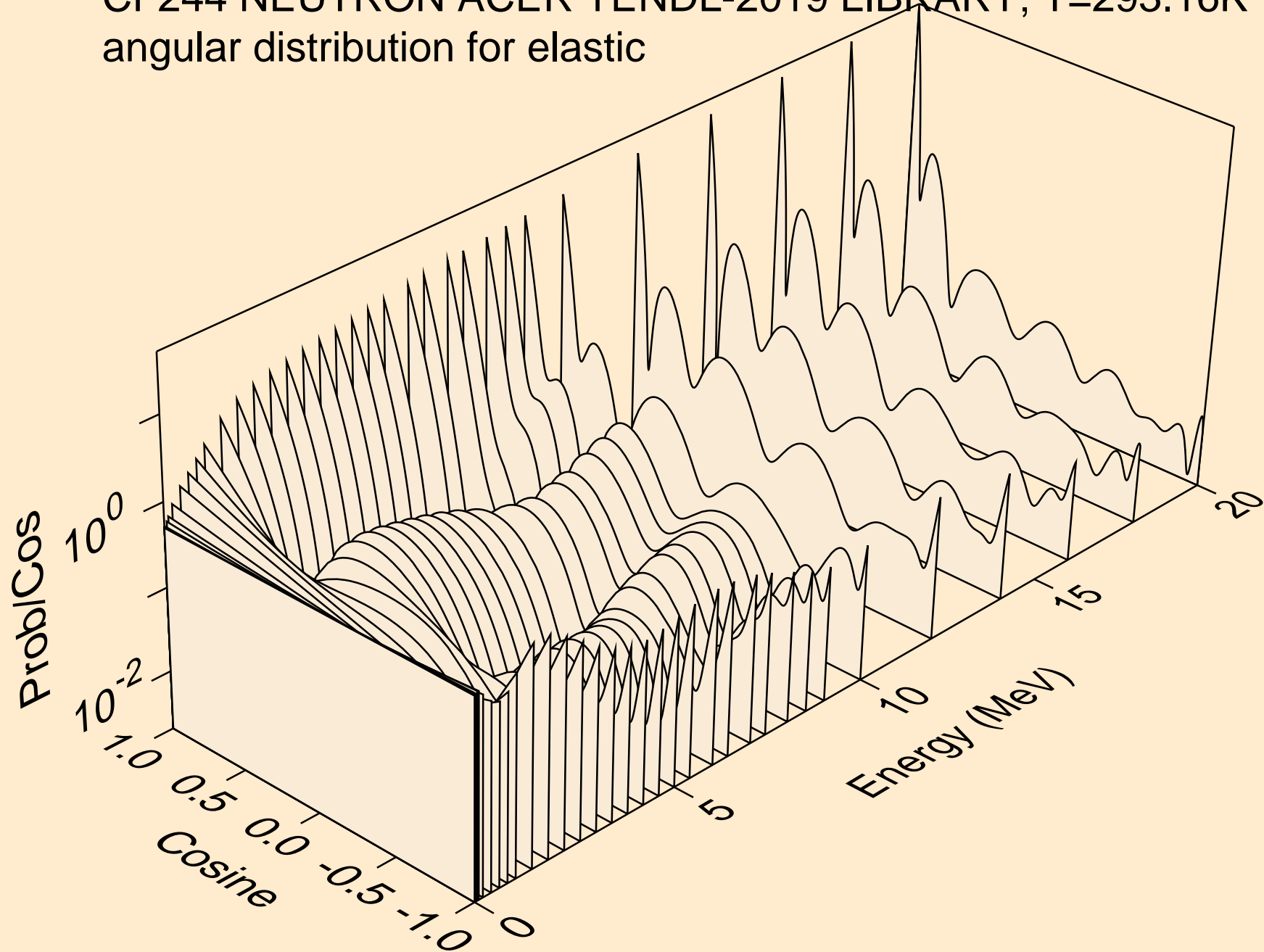


# CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

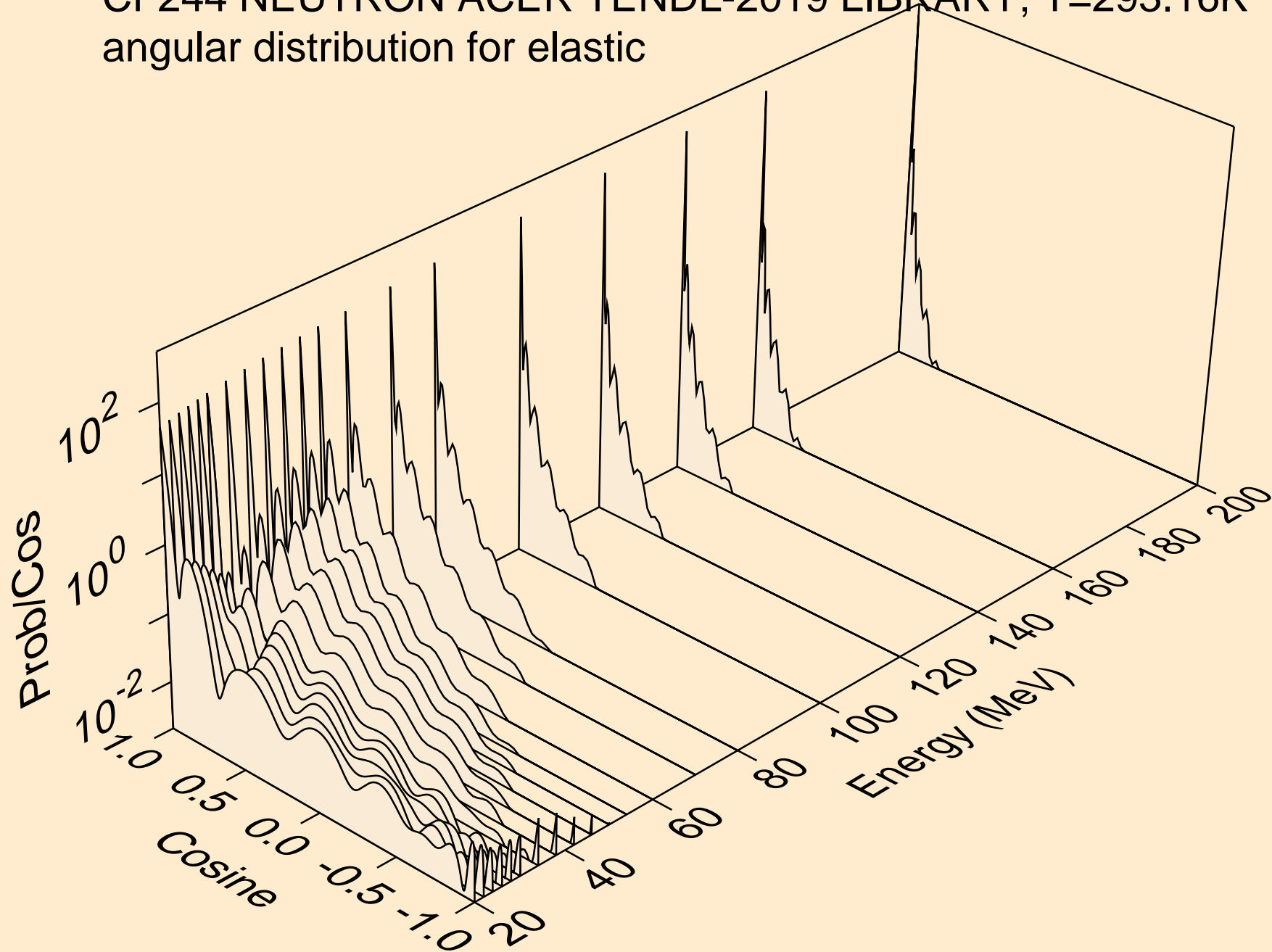
## Threshold reactions



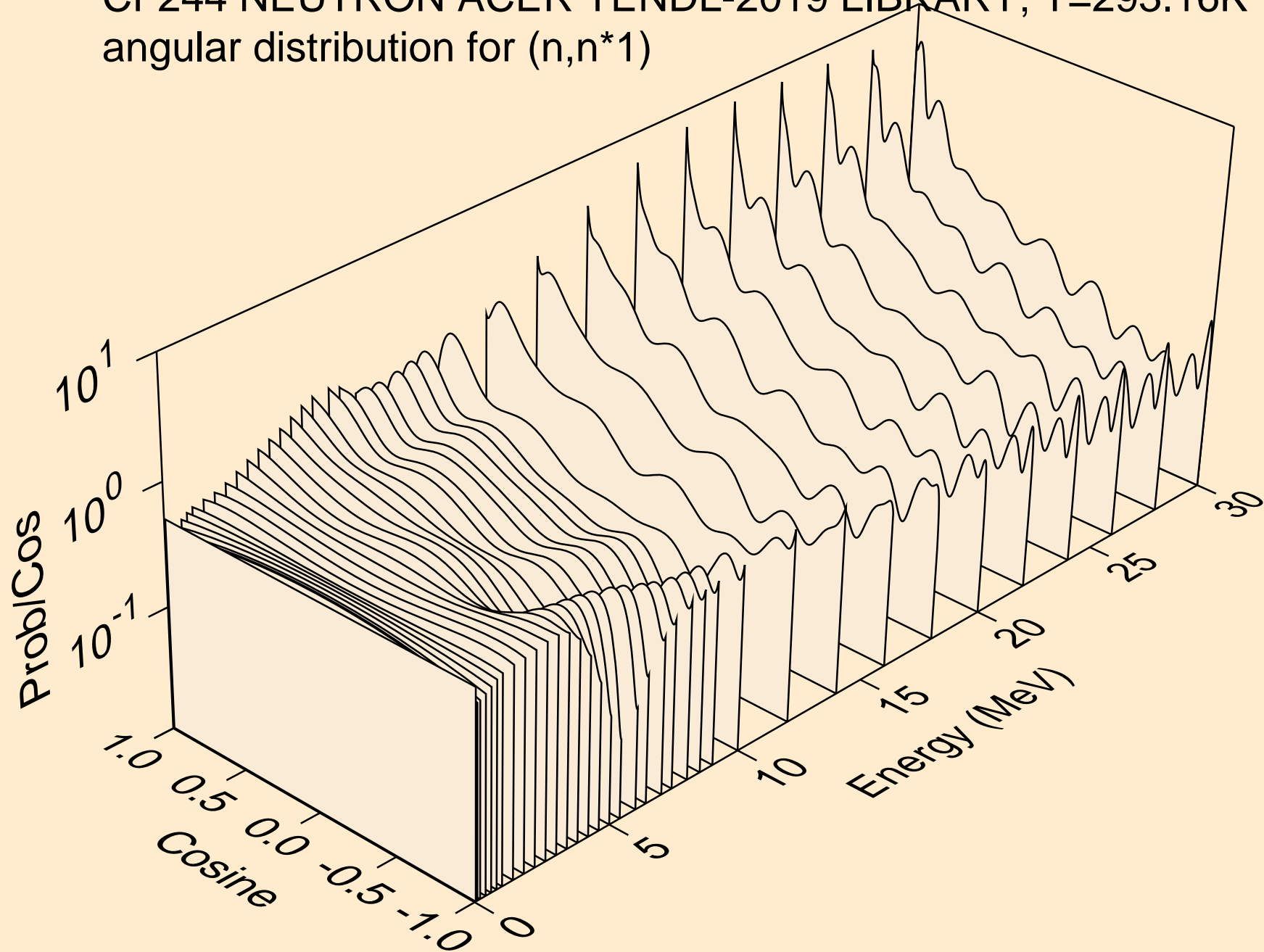
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic

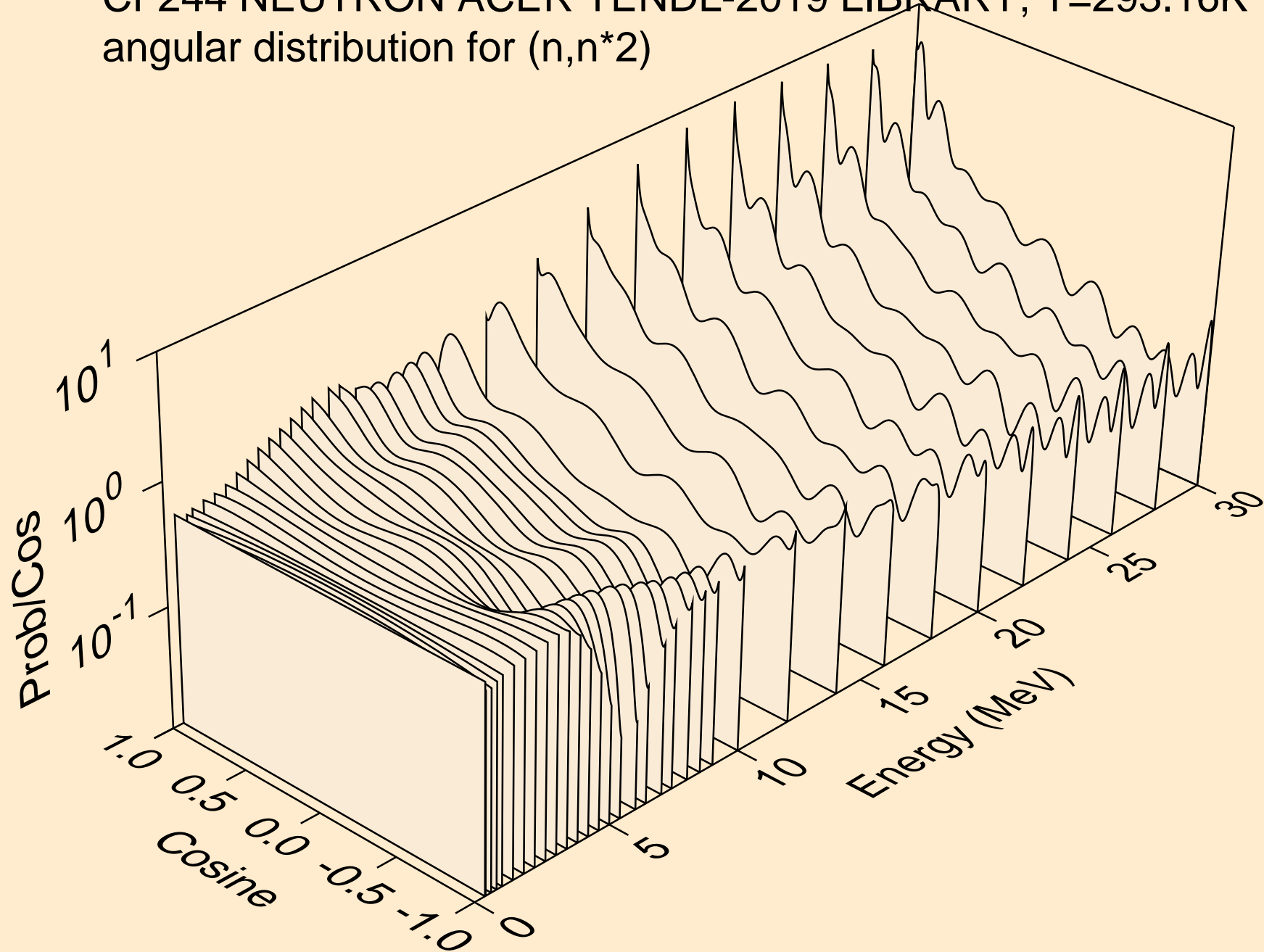


CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)

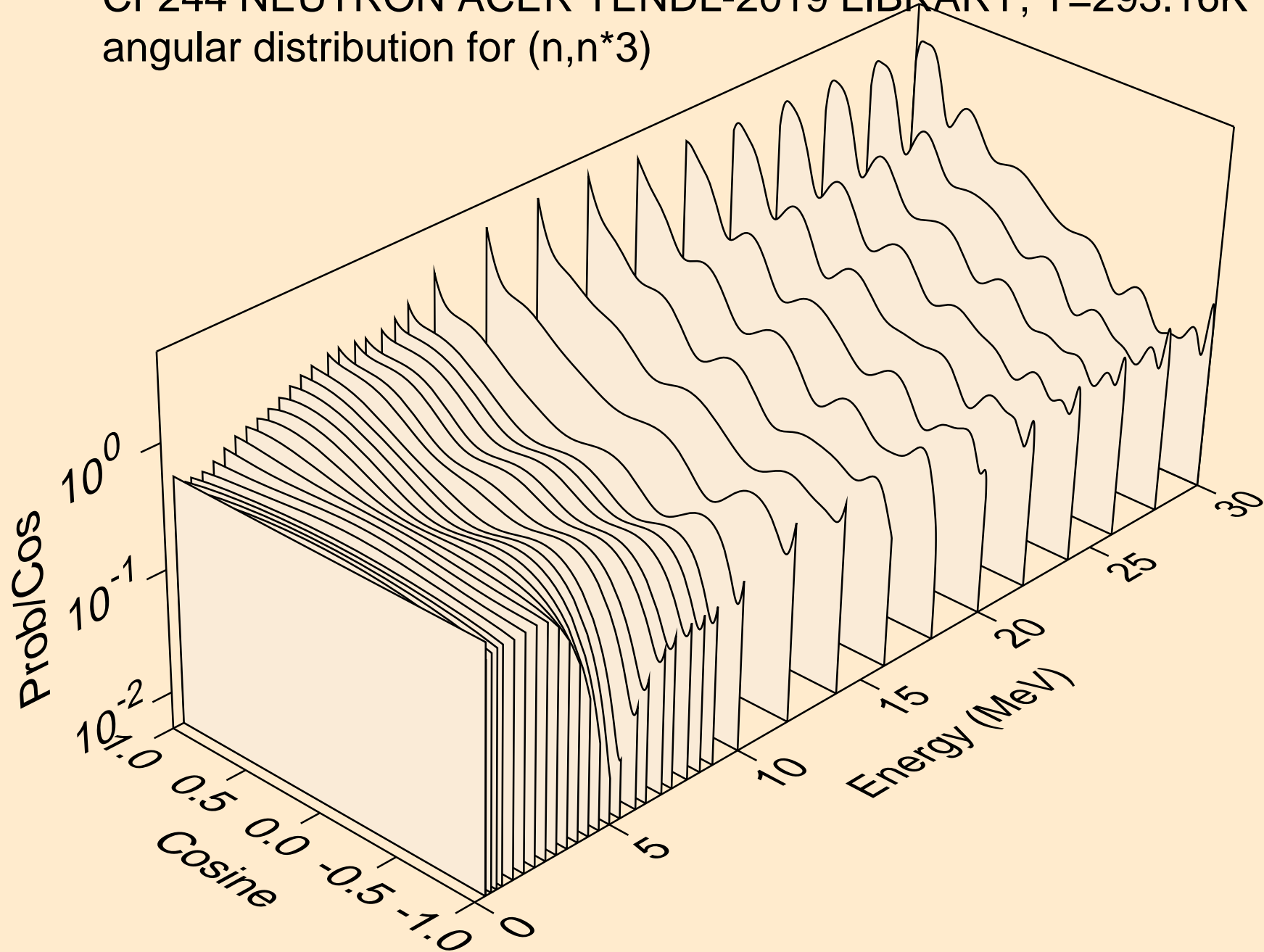




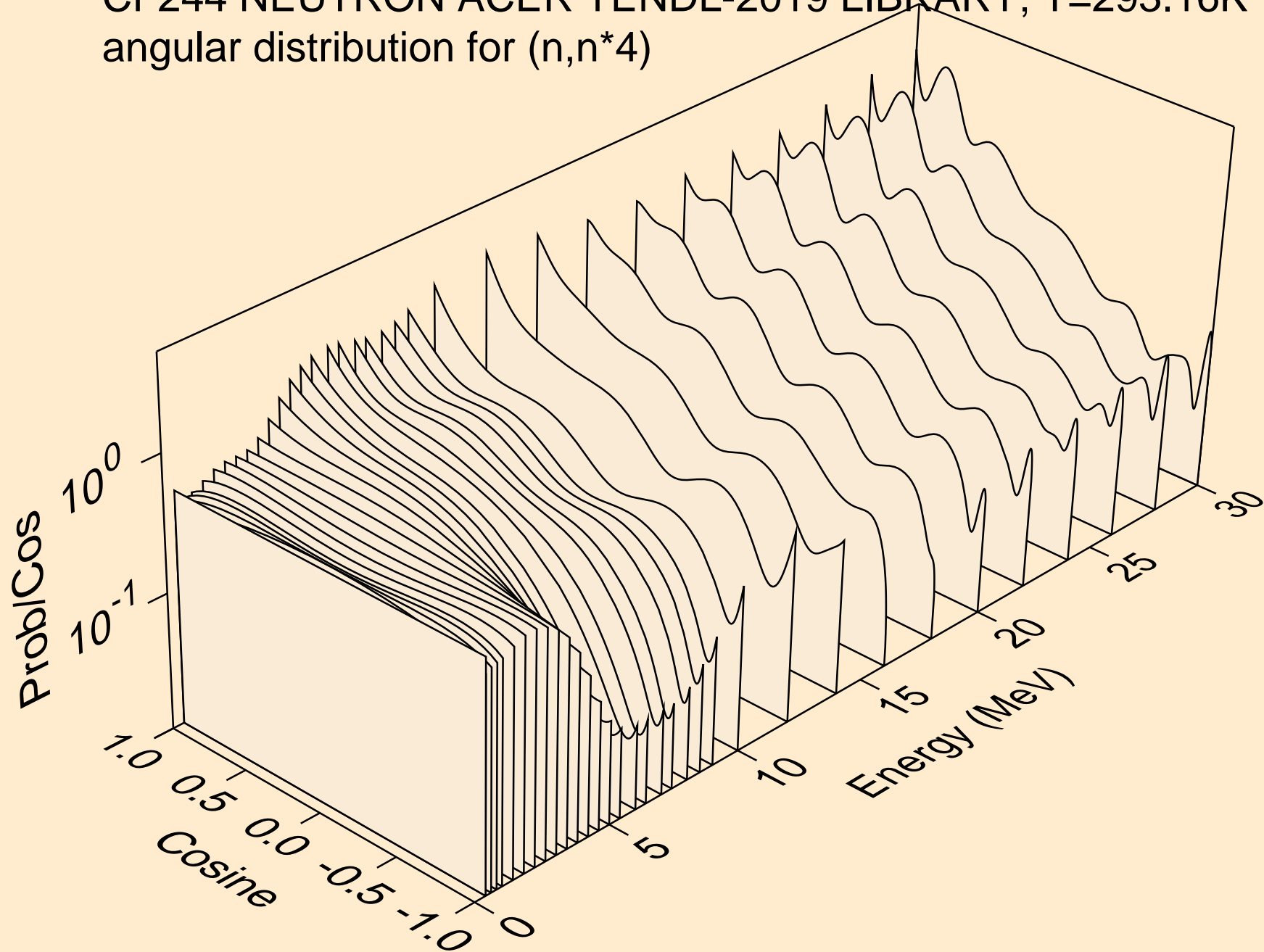
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*2)



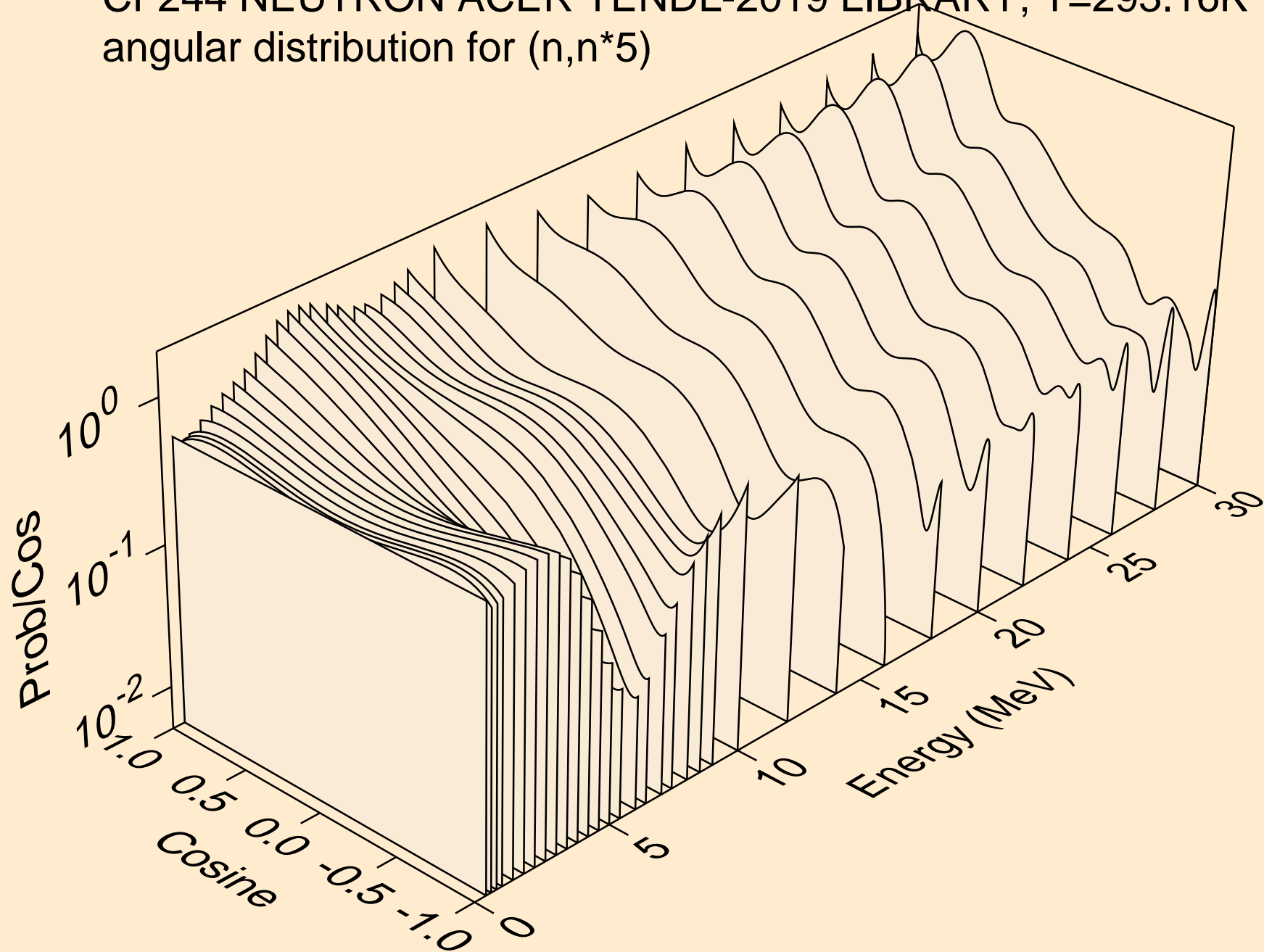
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*3)



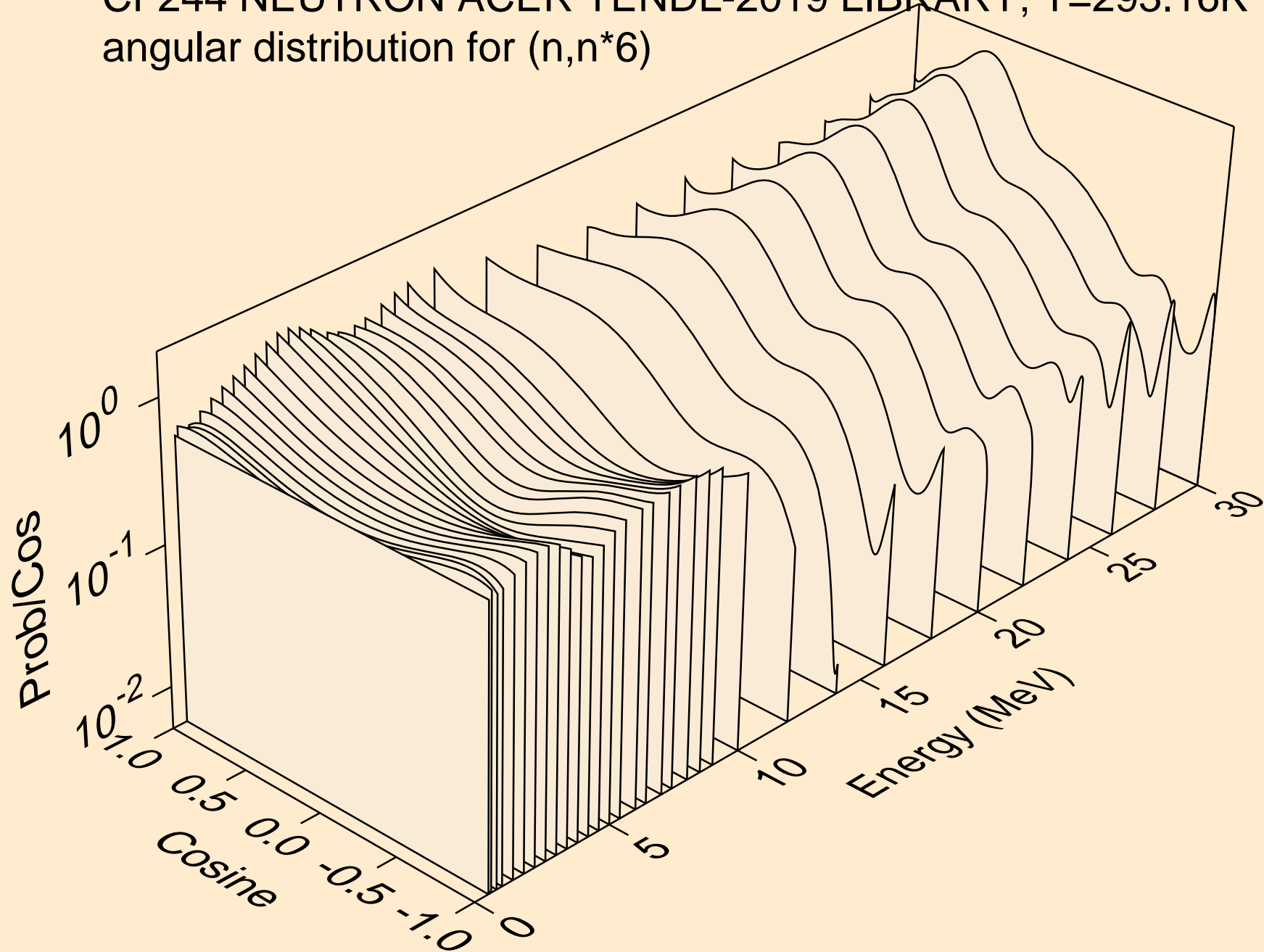
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*4)



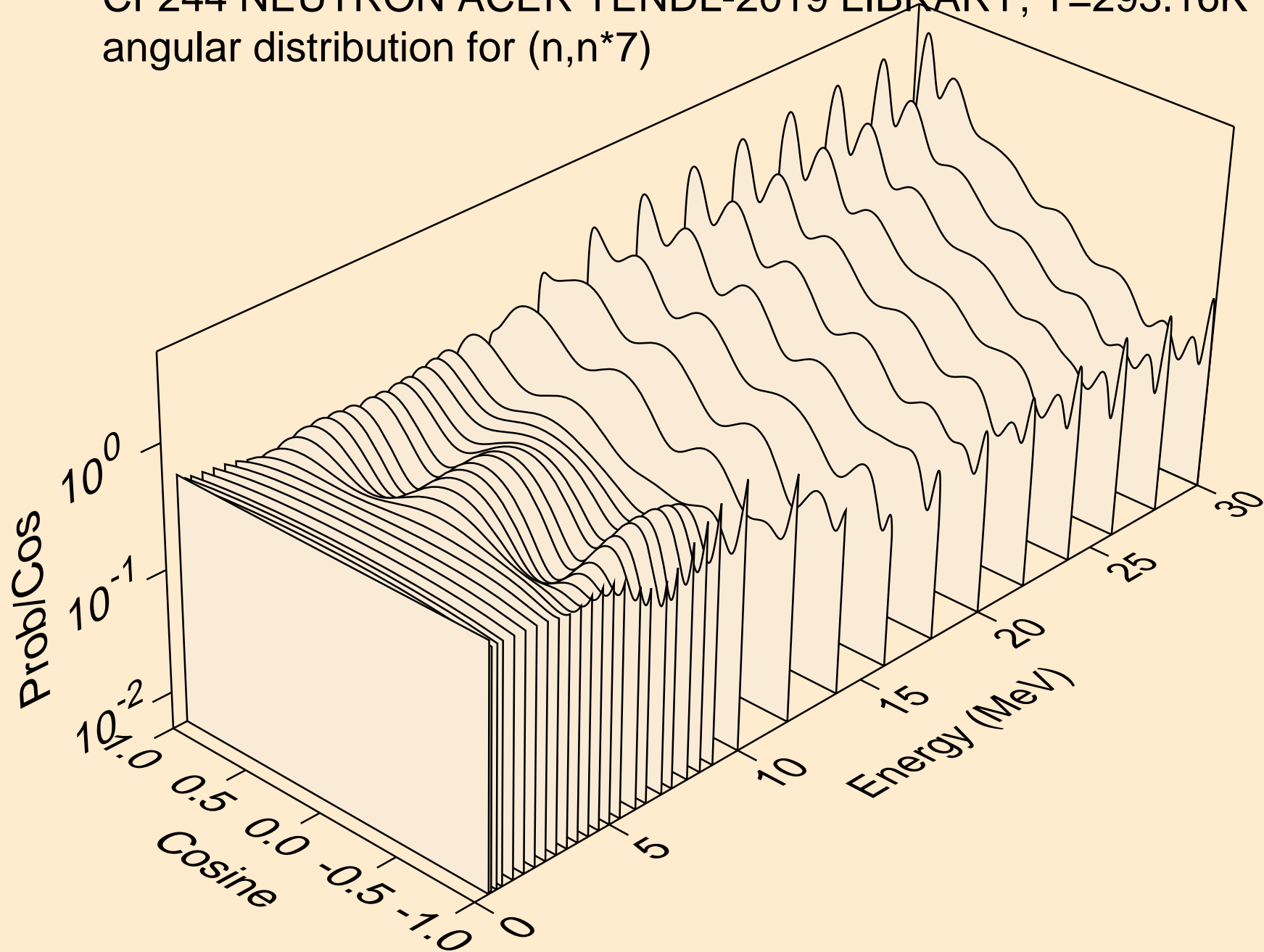
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*5)



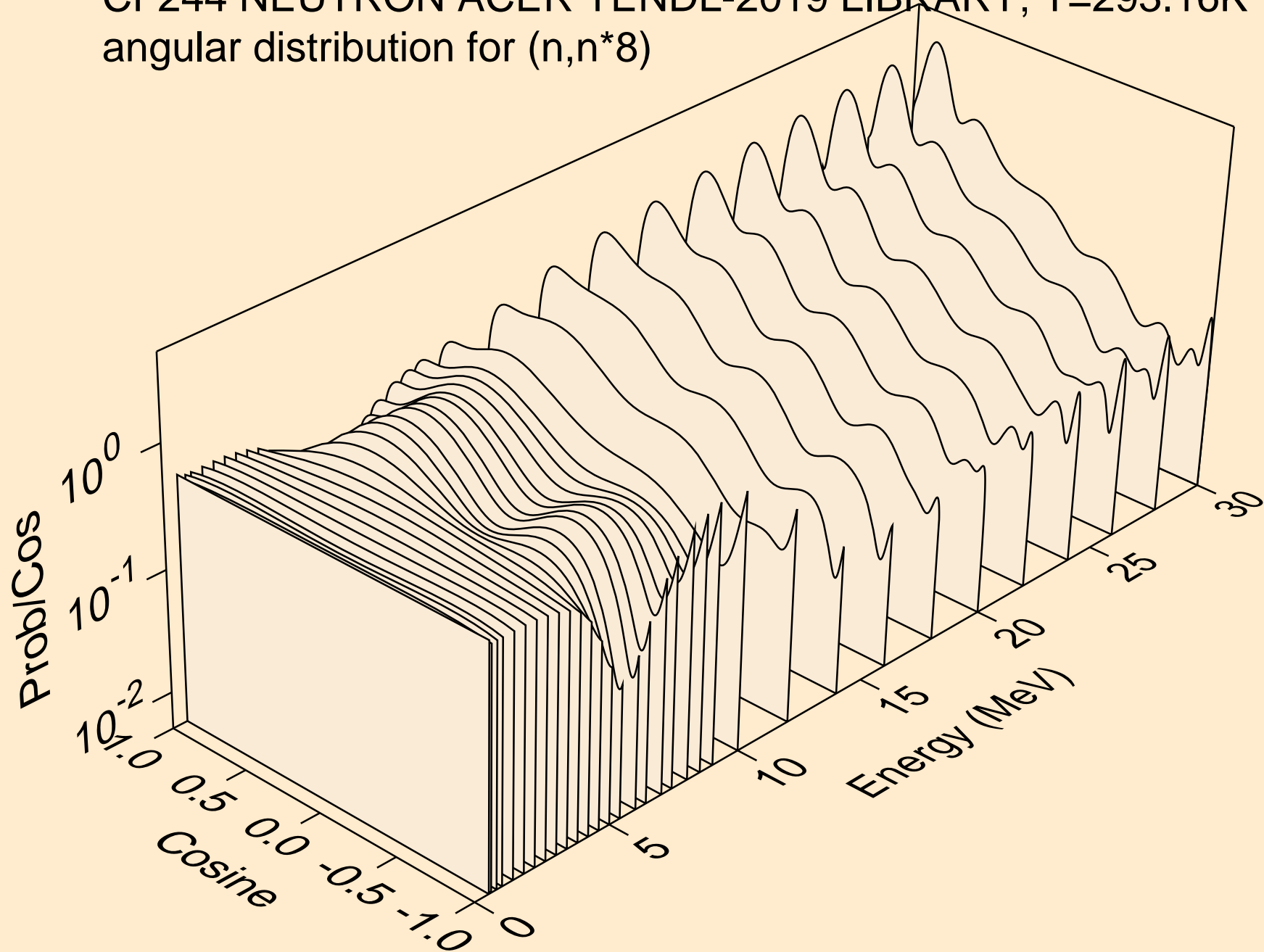
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angular distribution for (n,n\*6)



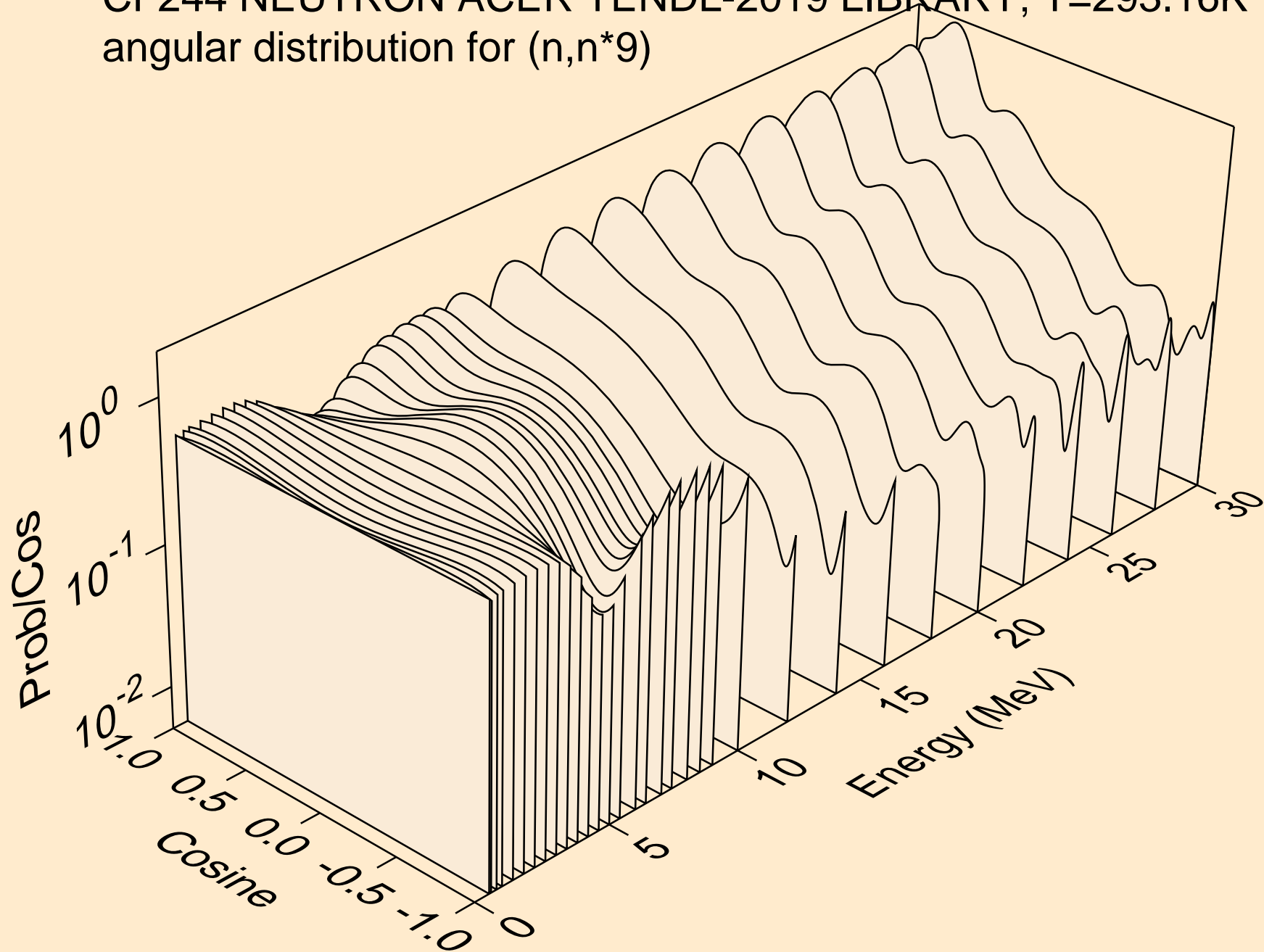
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*7)



CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*8)

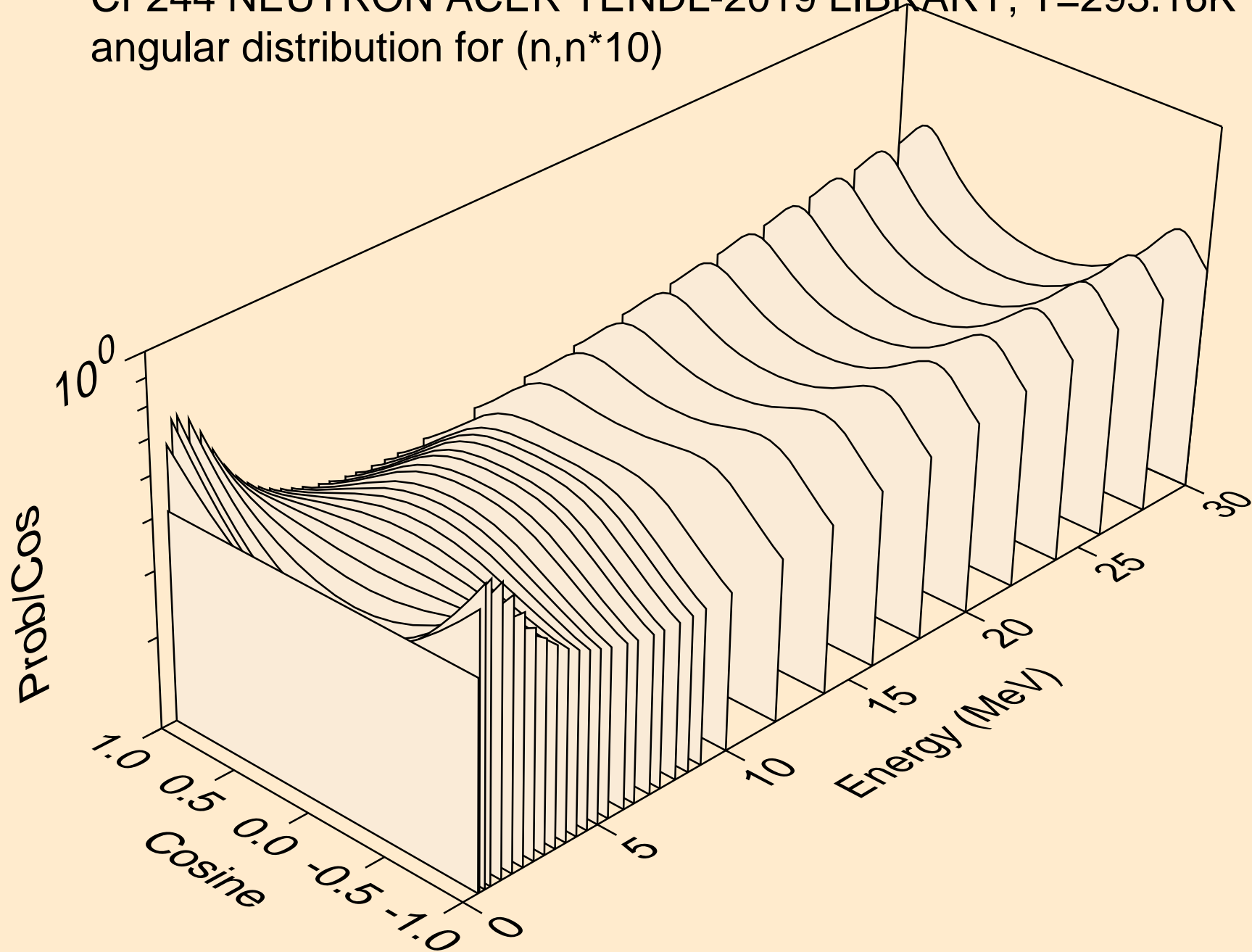


CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*9)

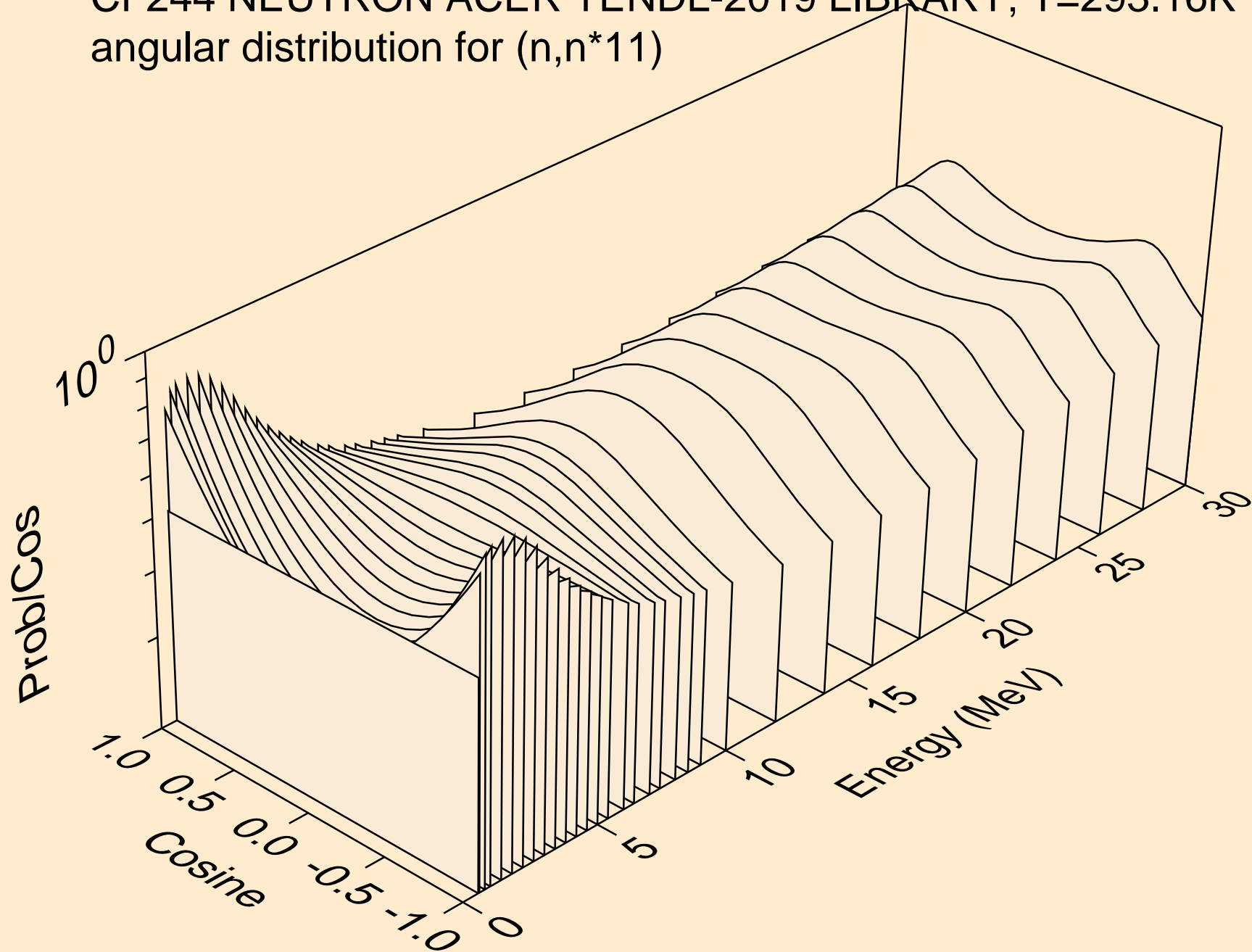




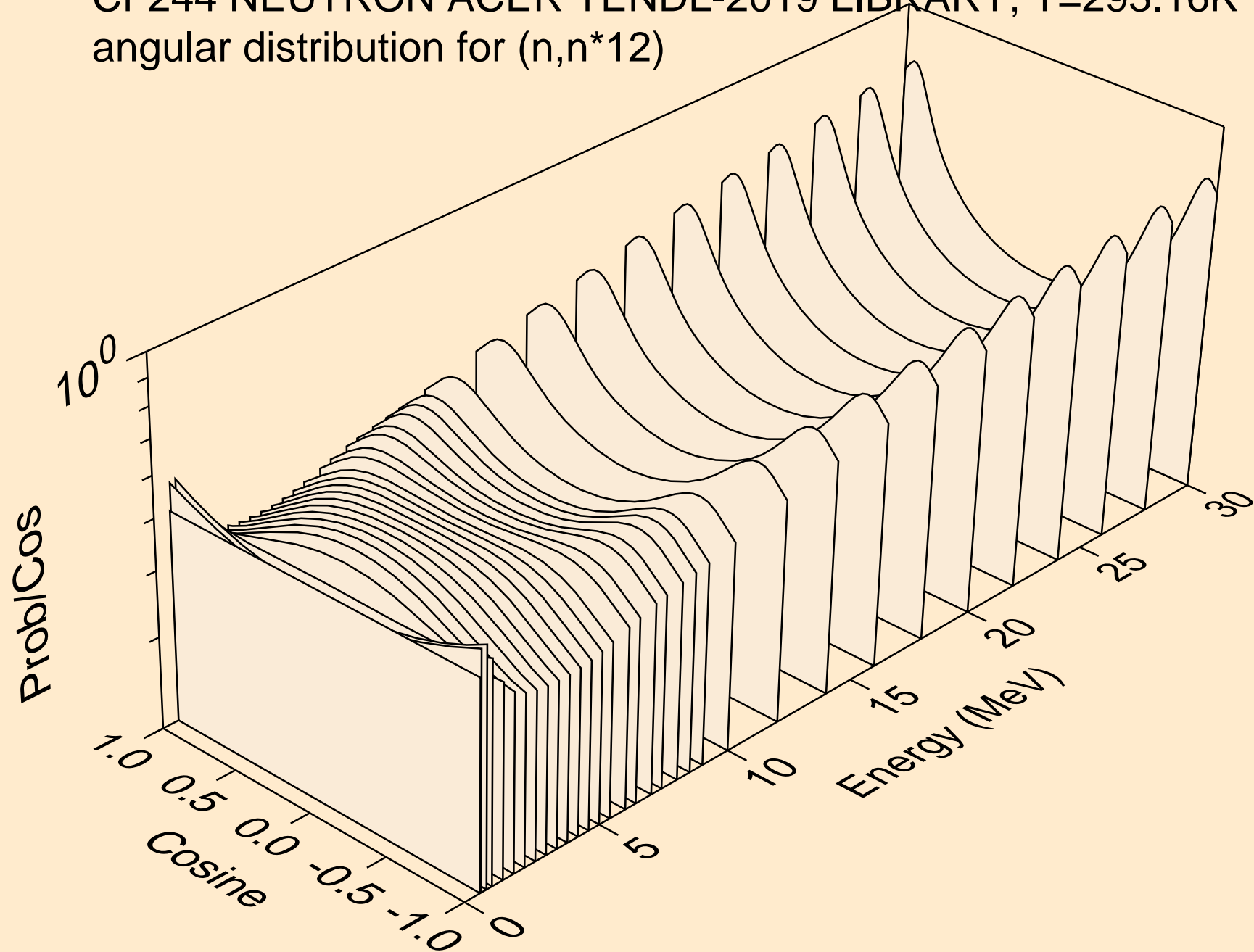
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*10)



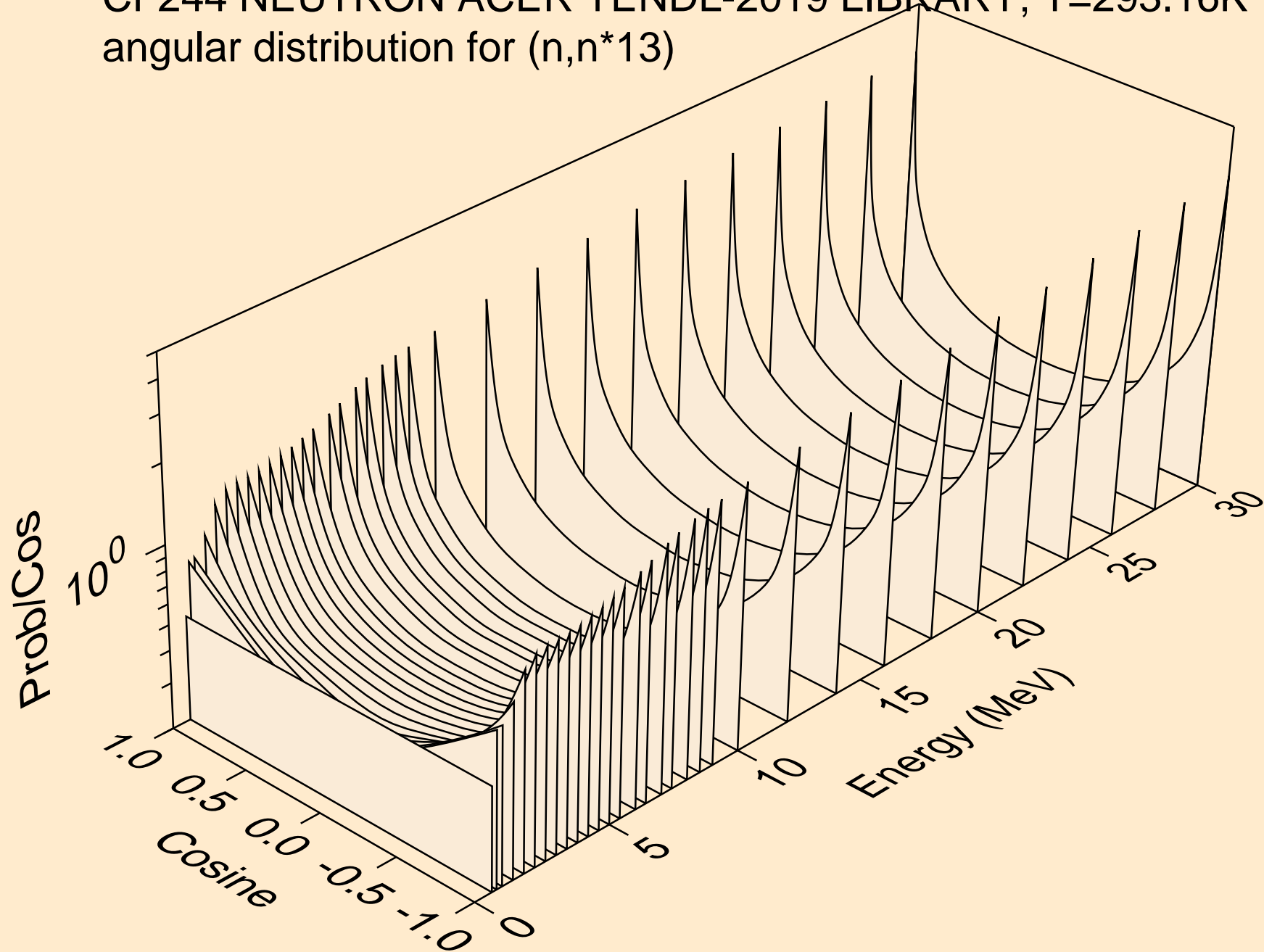
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*11)



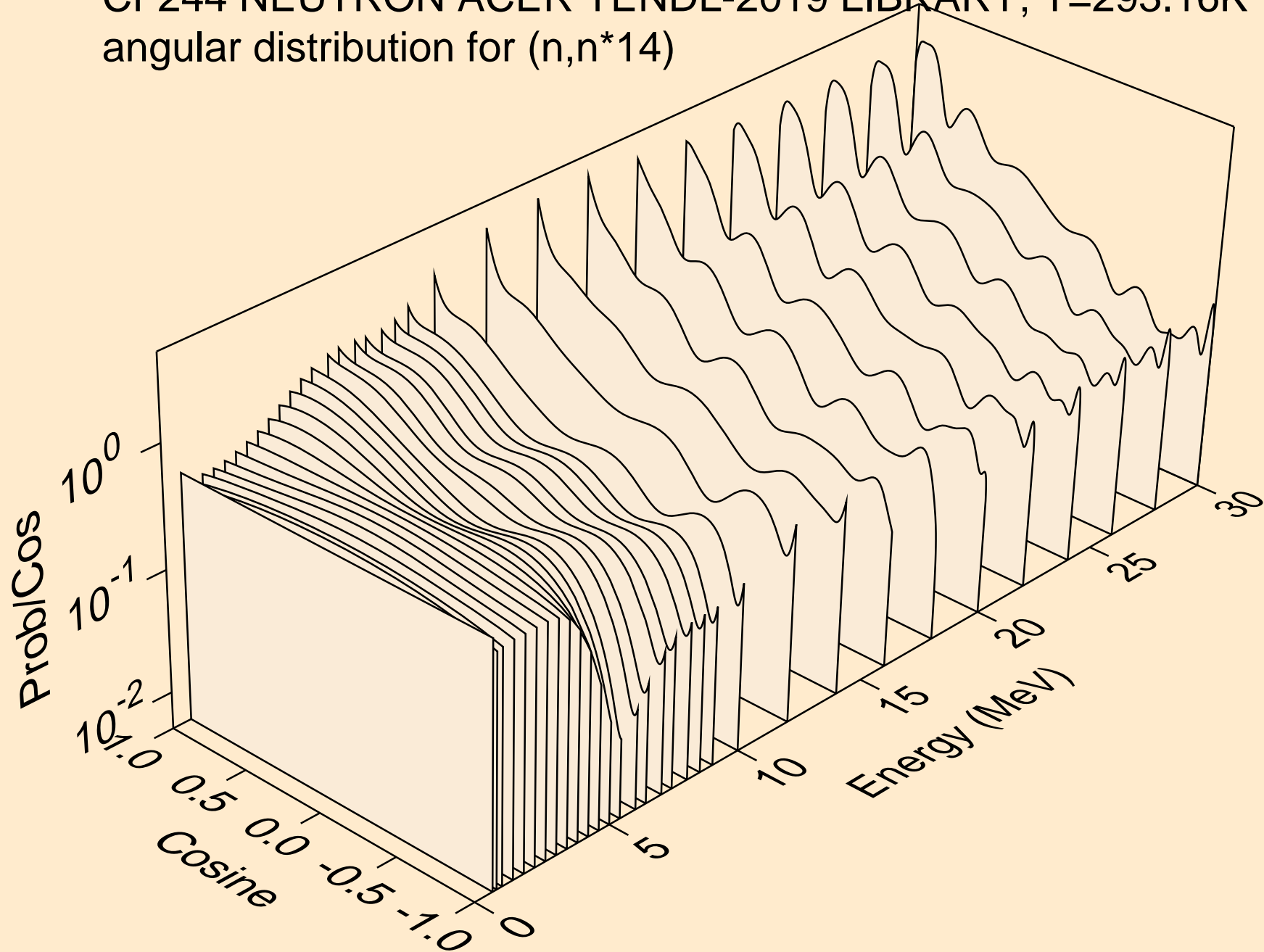
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*12)



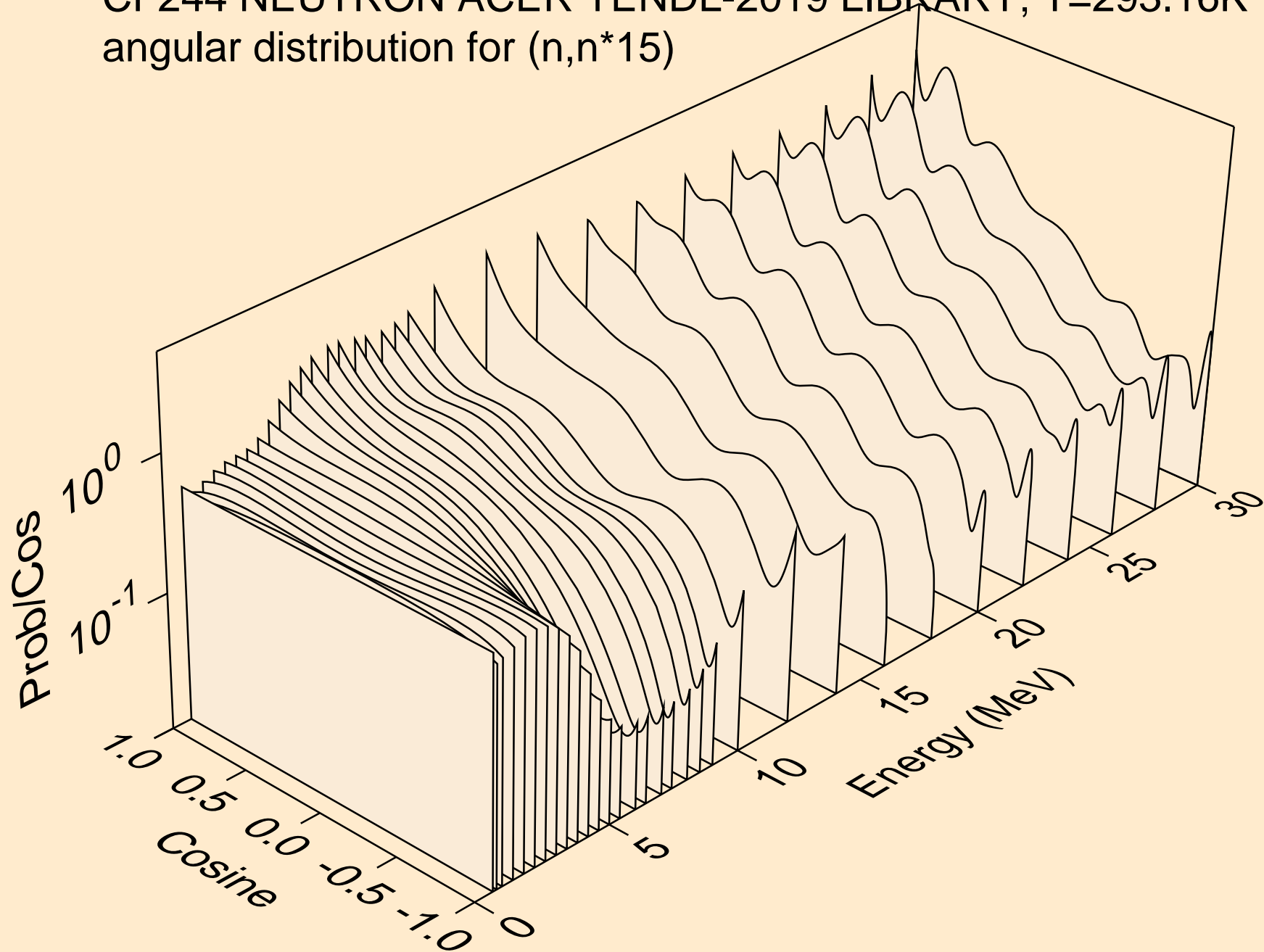
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*13)



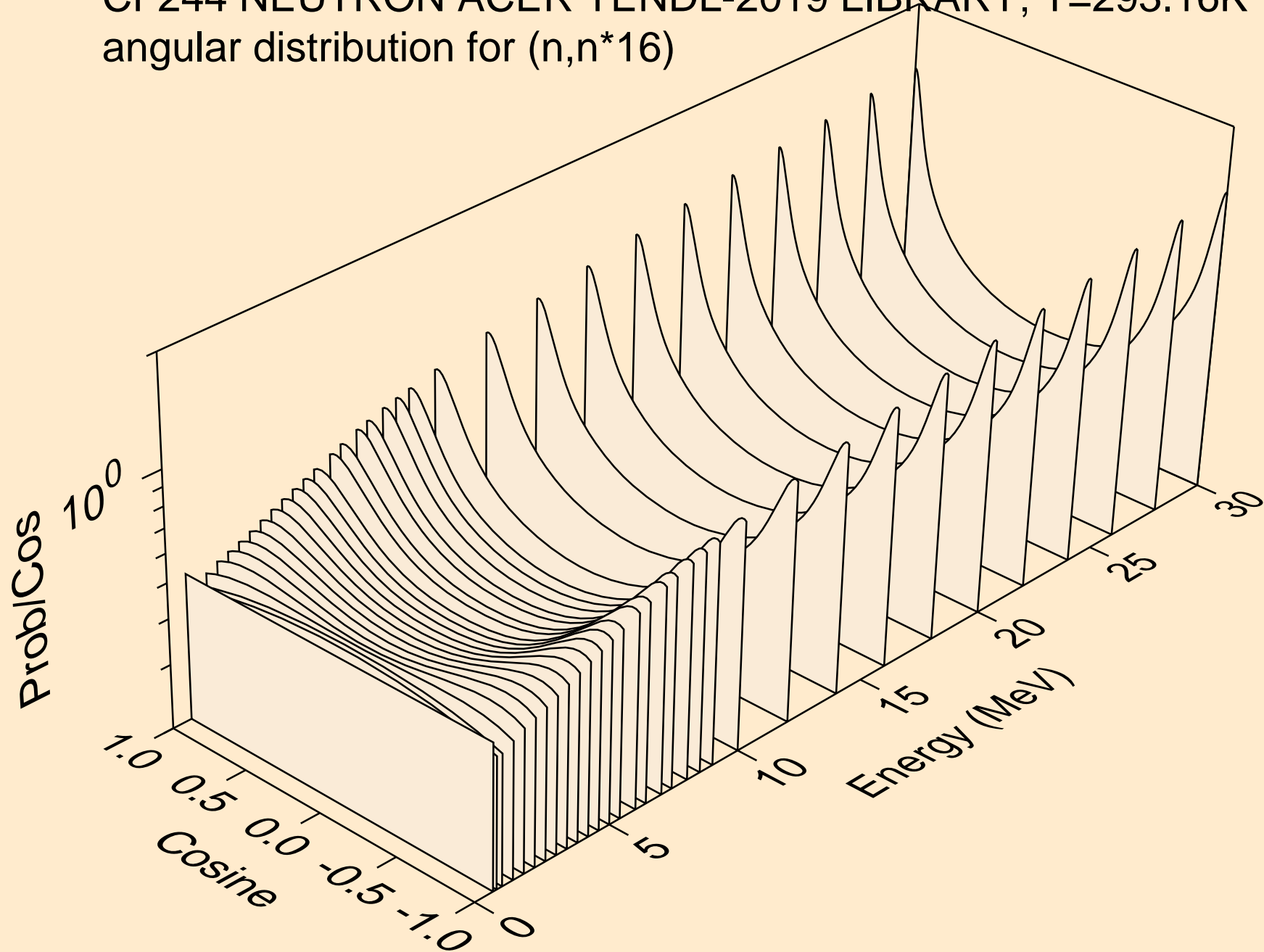
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angular distribution for (n,n\*14)



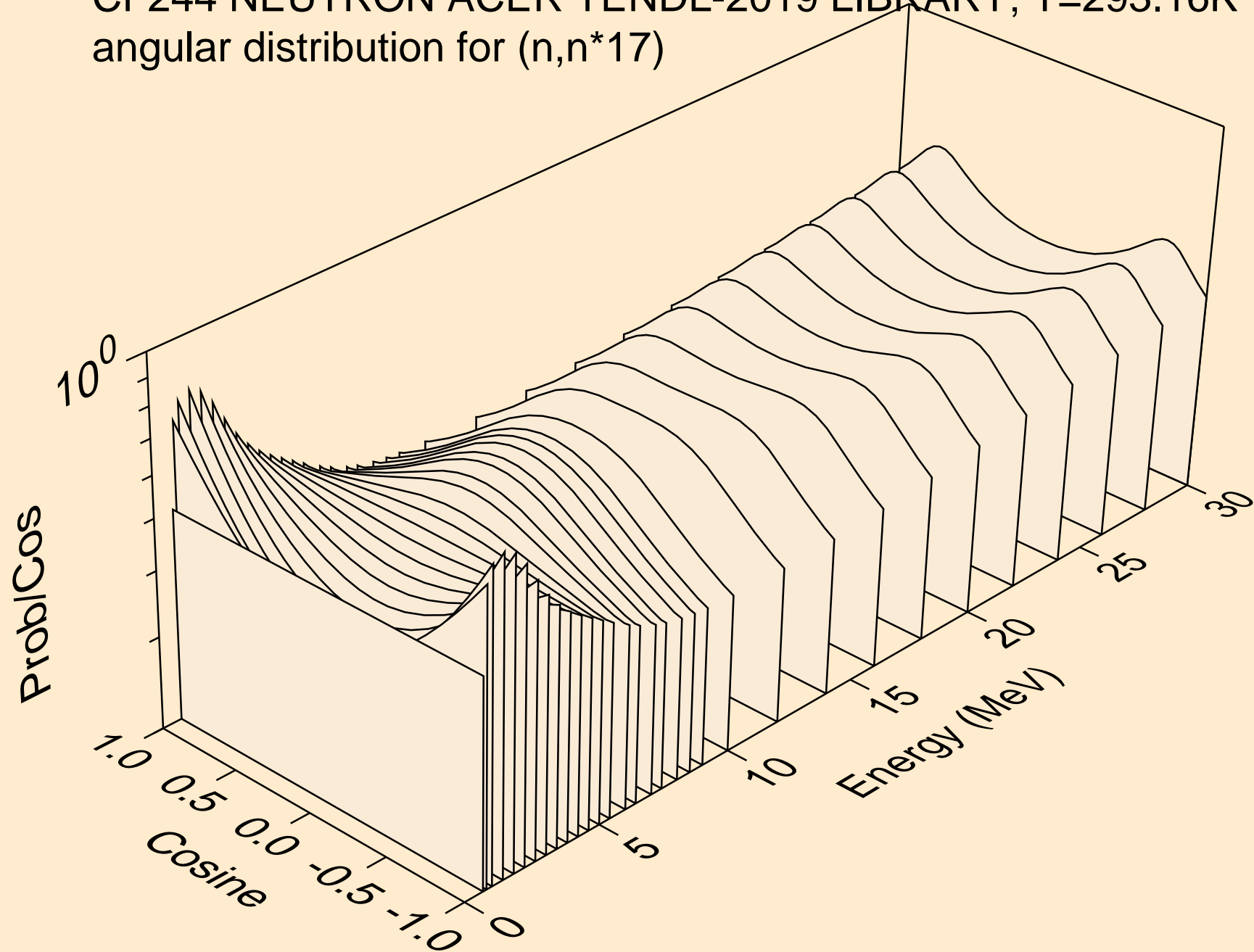
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*15)



CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*16)

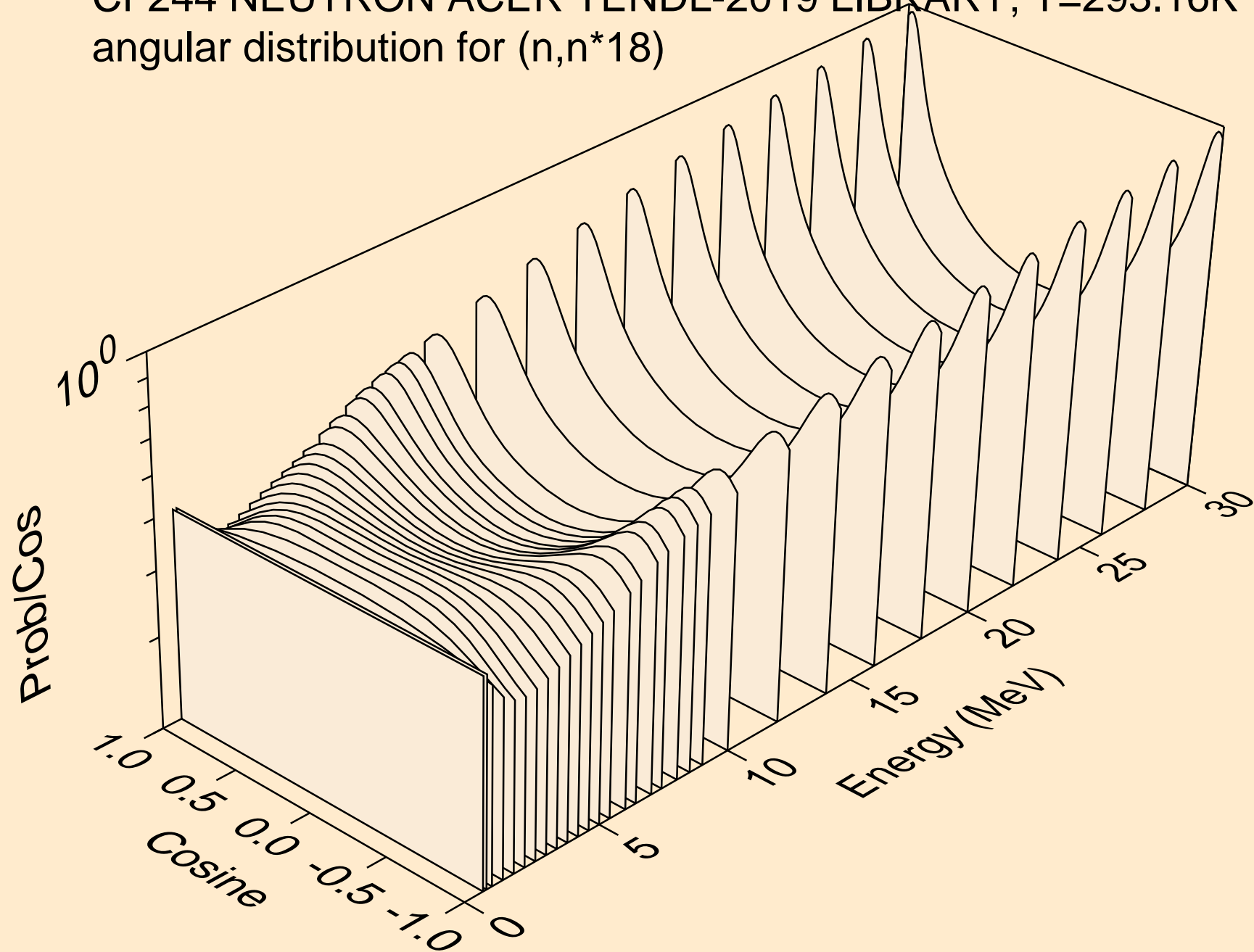


CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*17)

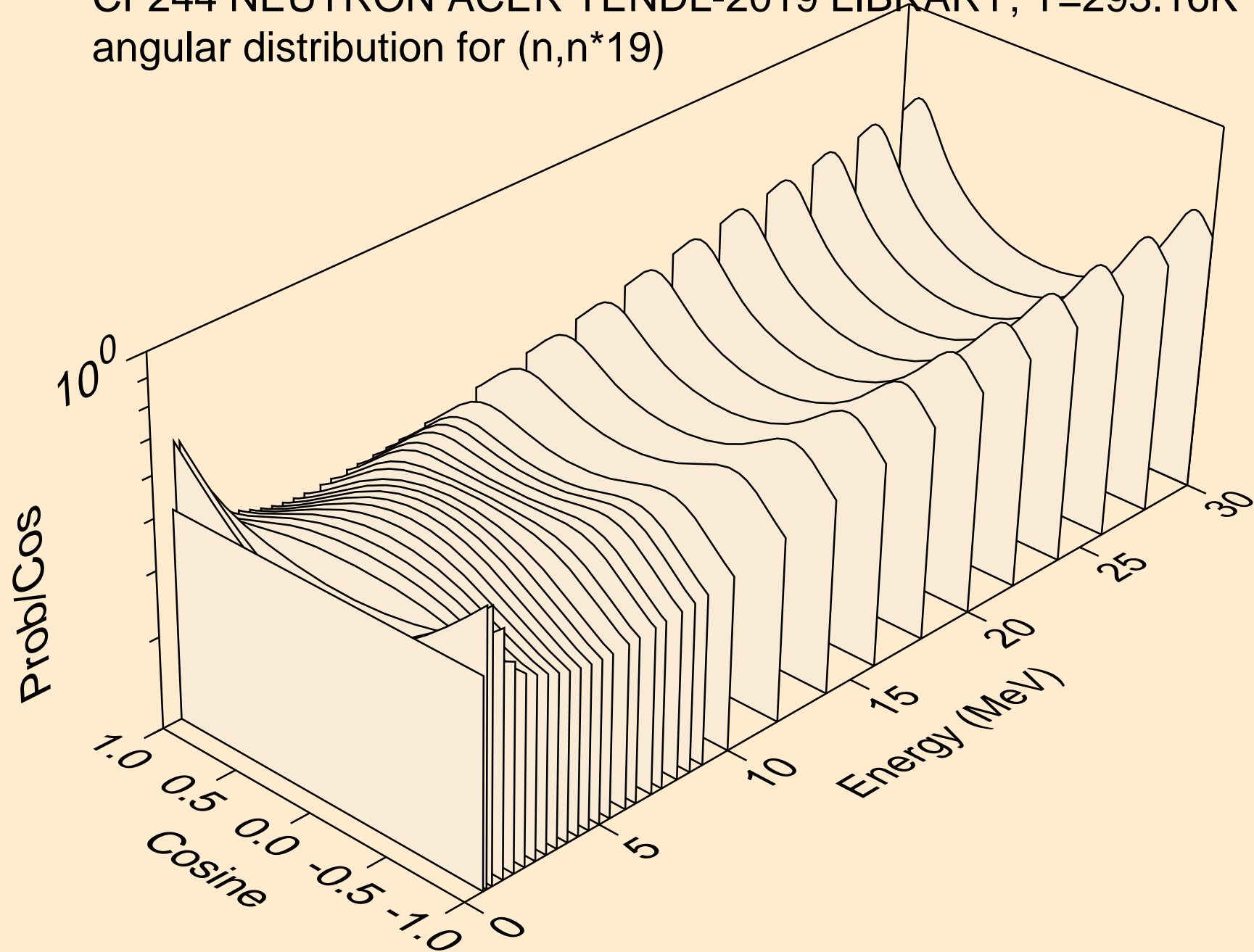




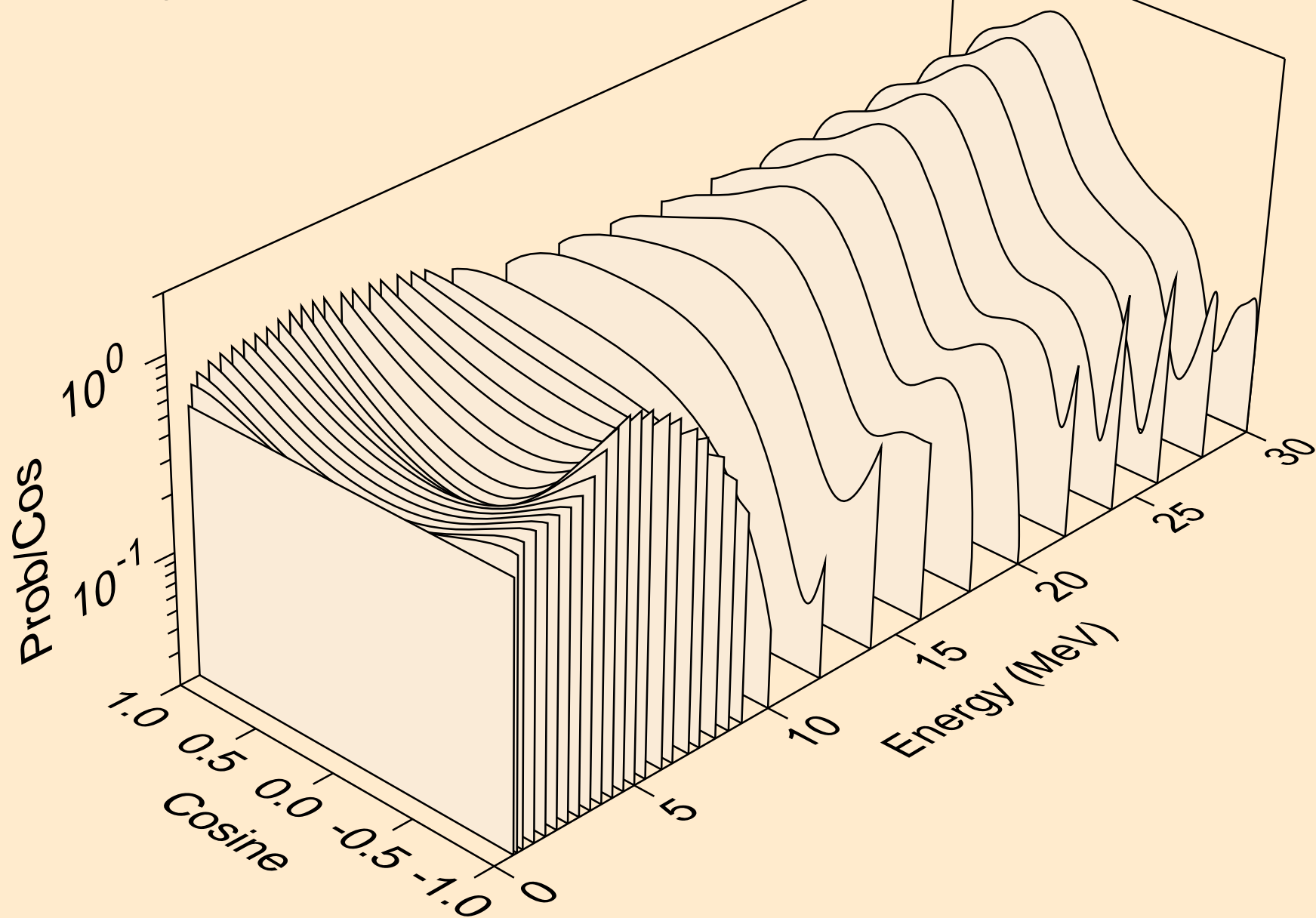
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angular distribution for (n,n\*18)



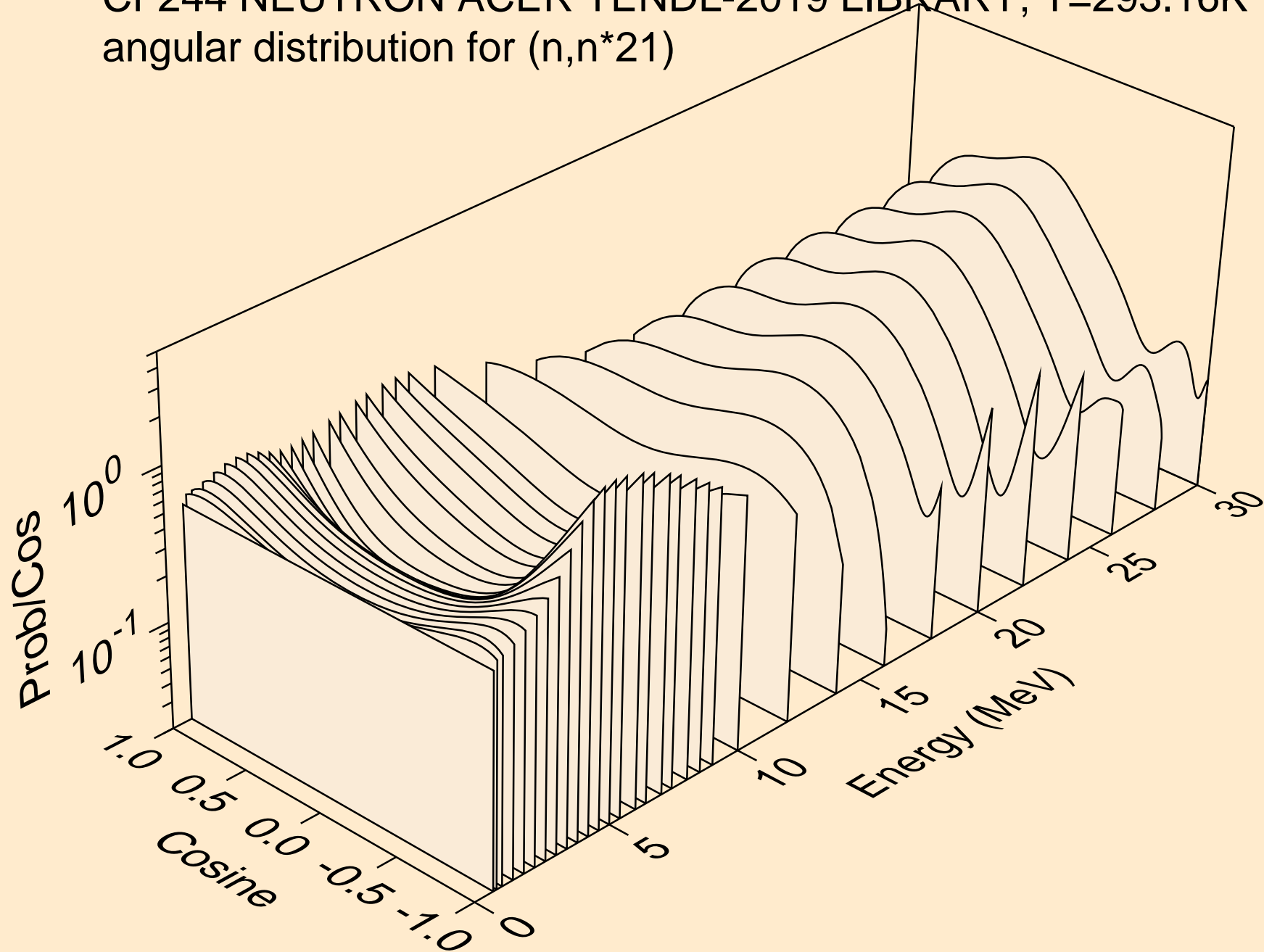
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angular distribution for (n,n\*19)



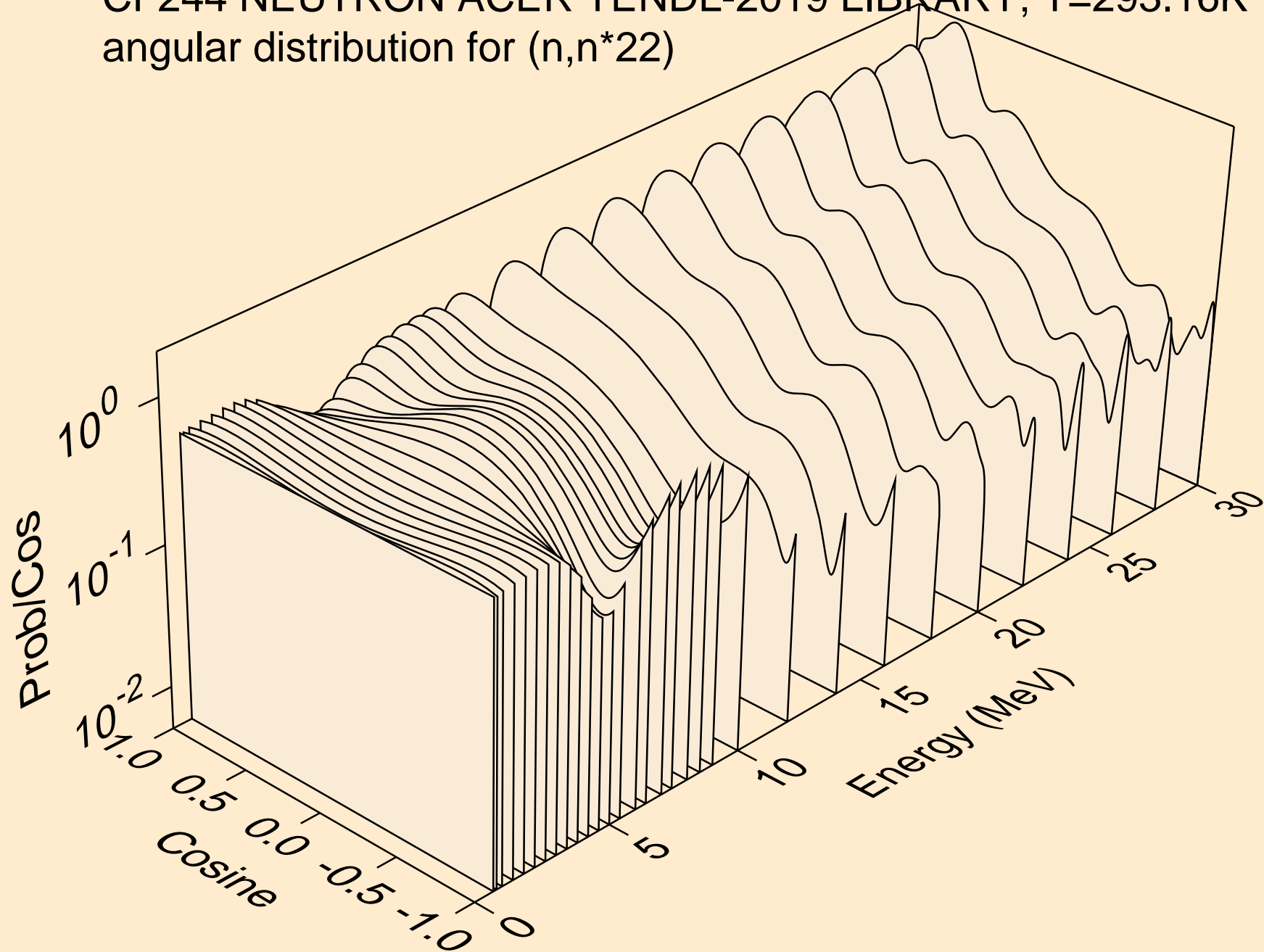
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angular distribution for (n,n\*20)



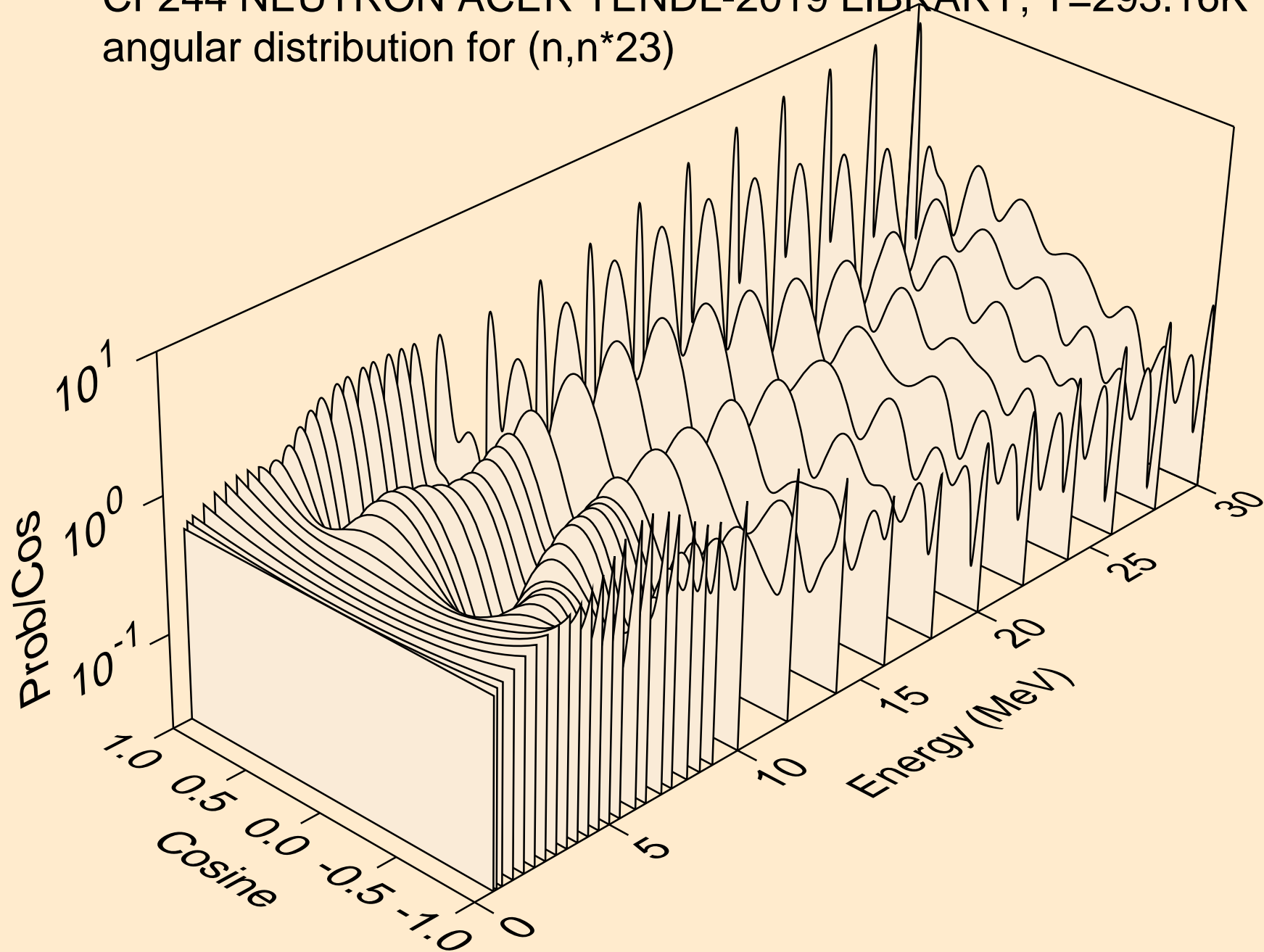
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angular distribution for (n,n\*21)



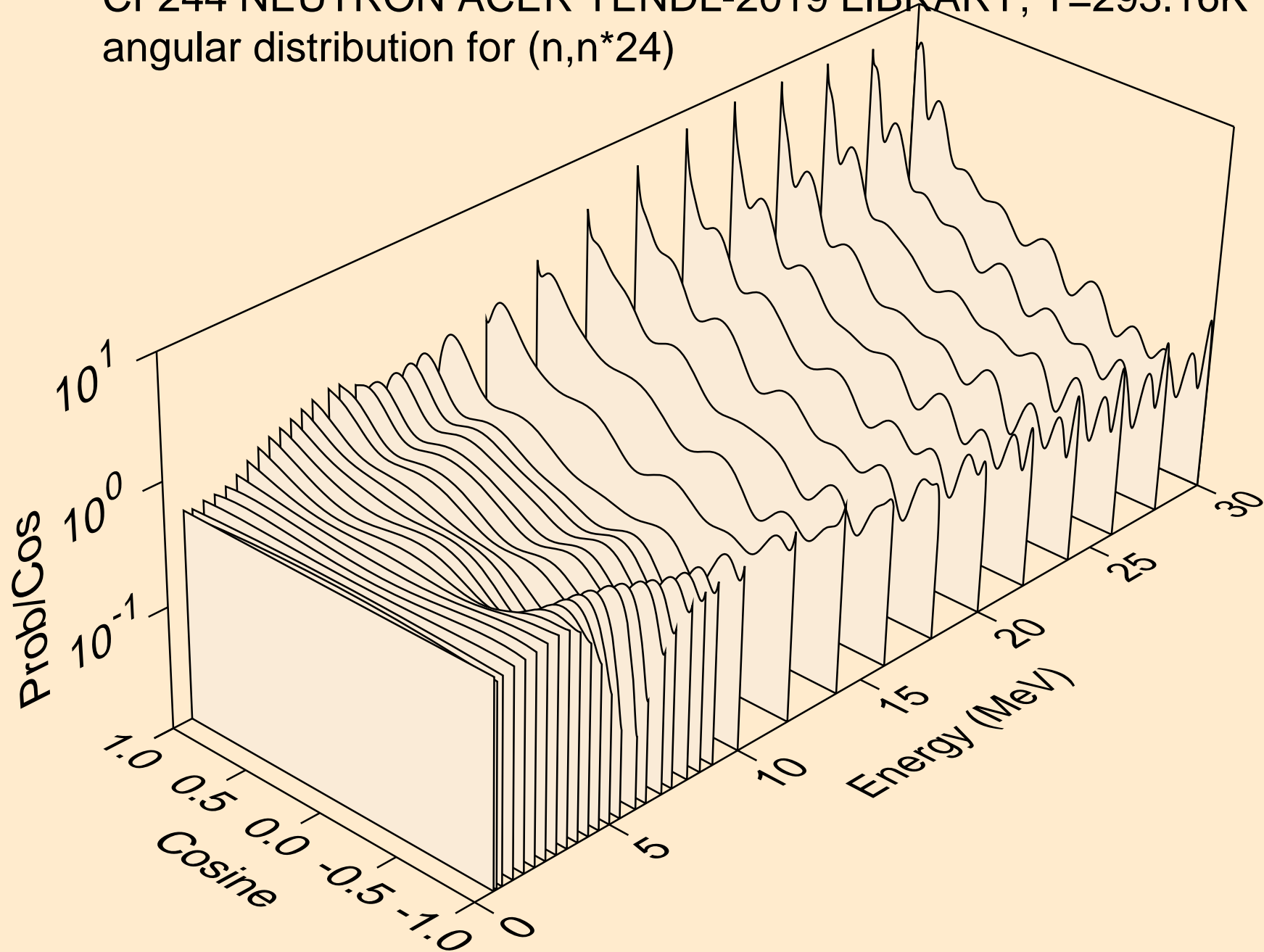
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*22)



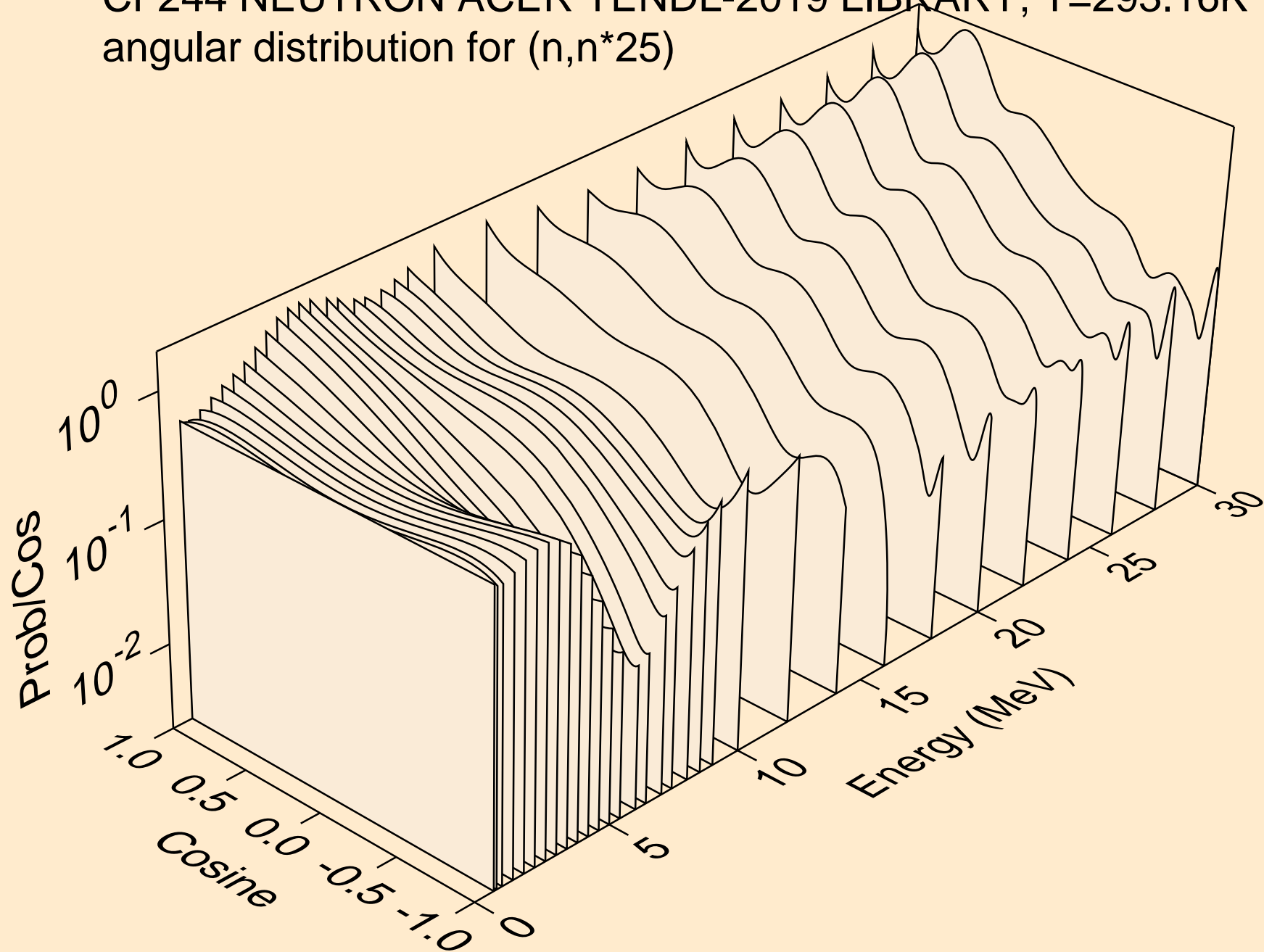
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*23)



CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*24)

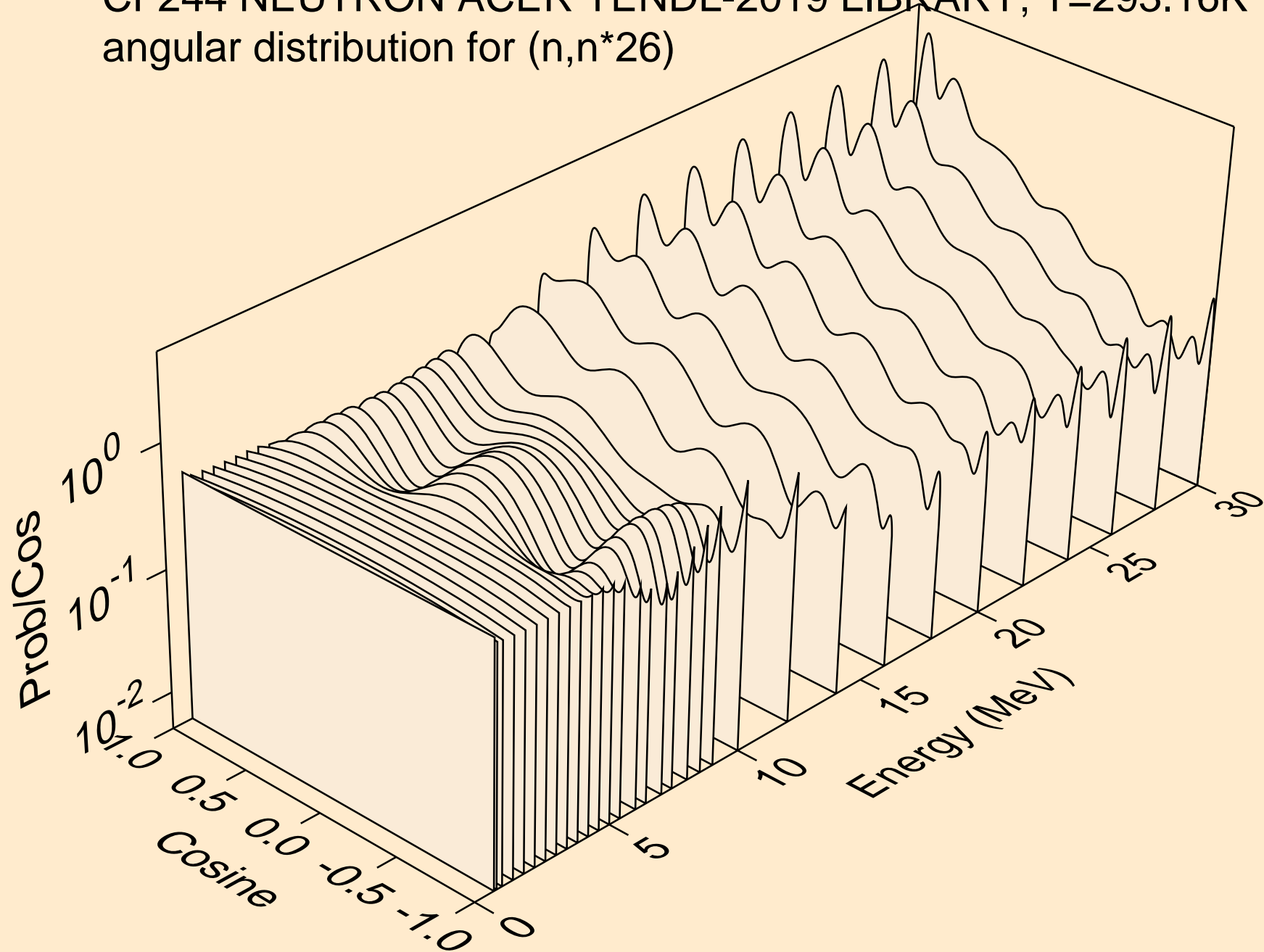


CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*25)

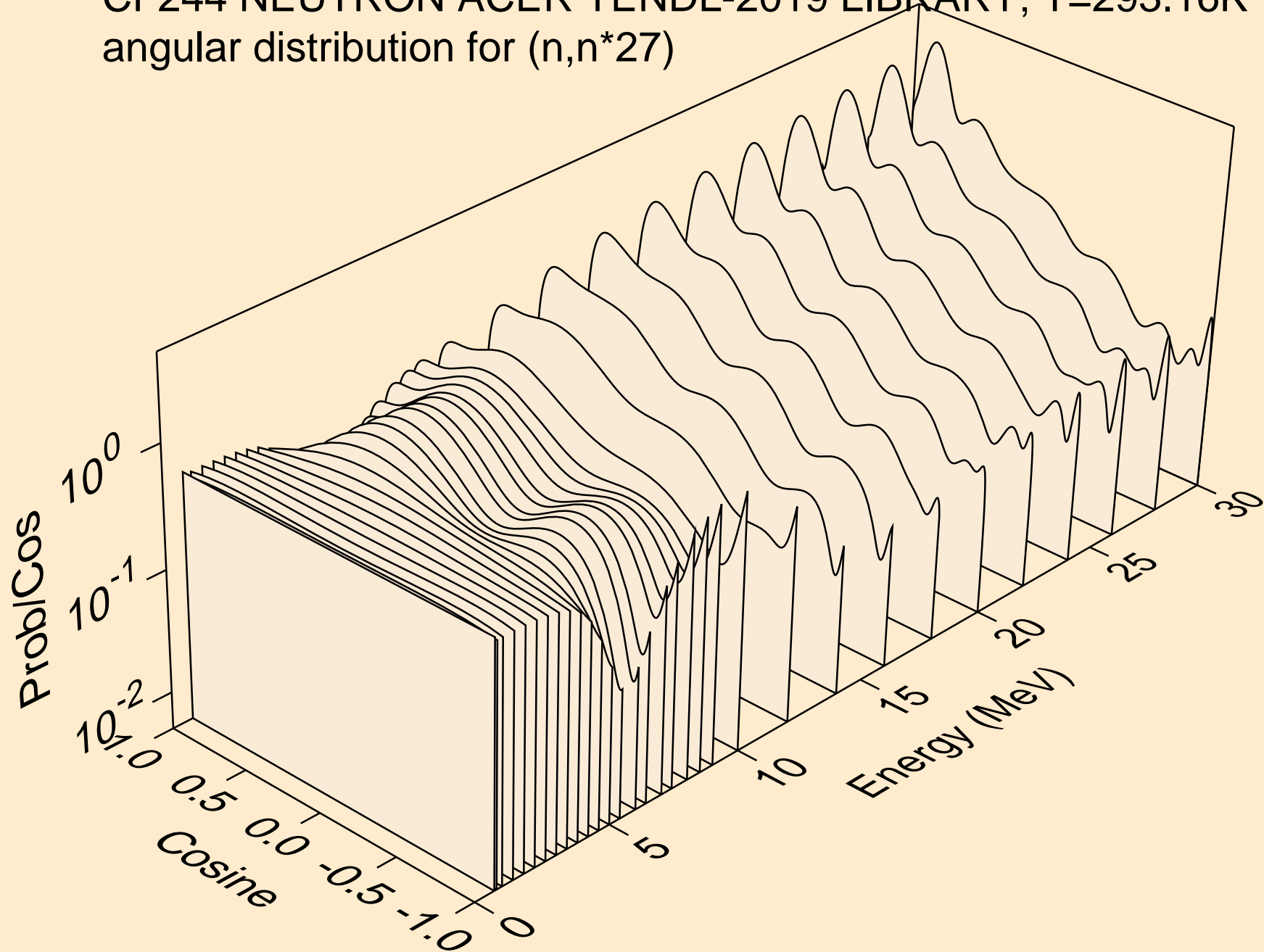




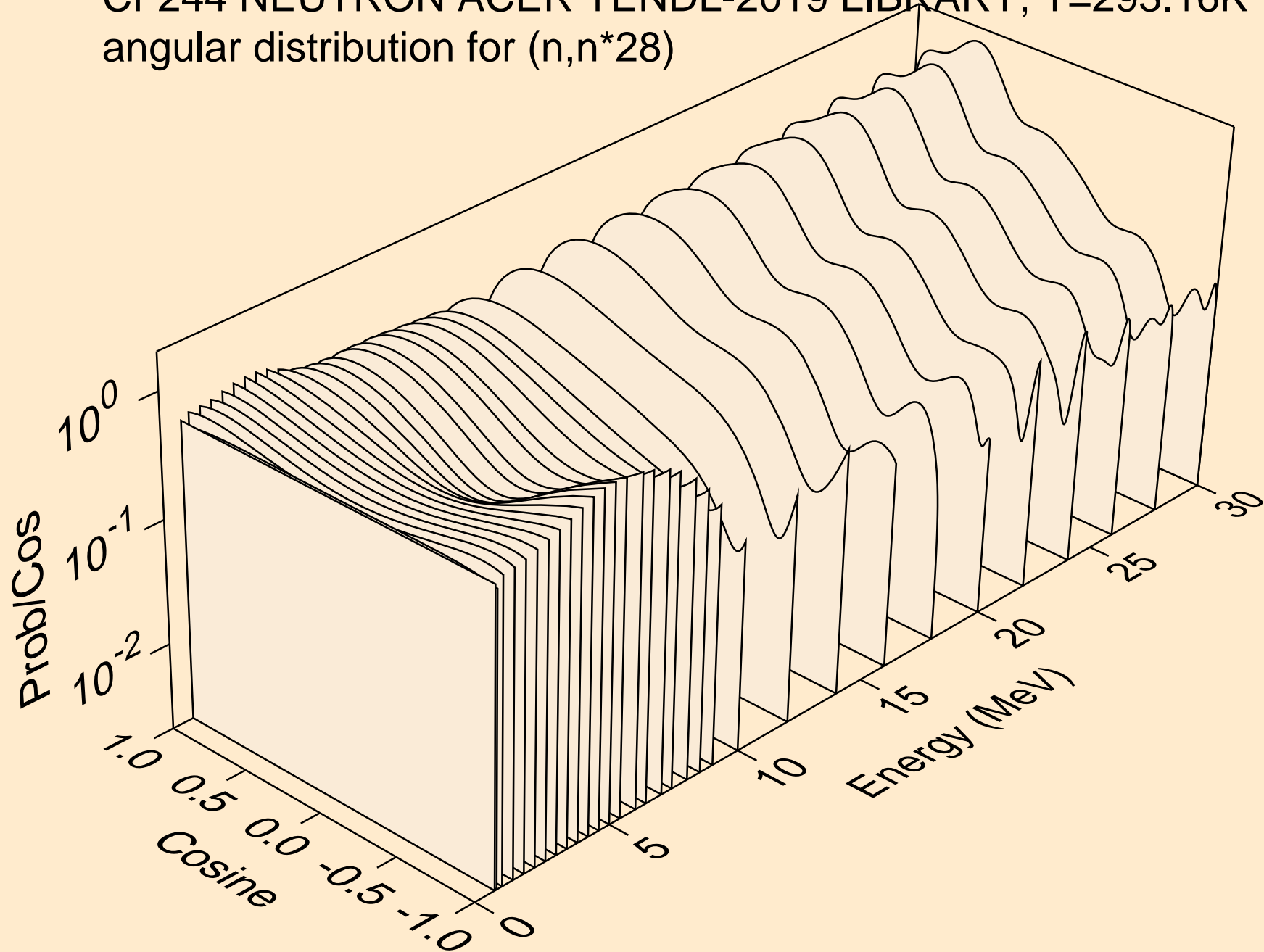
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*26)



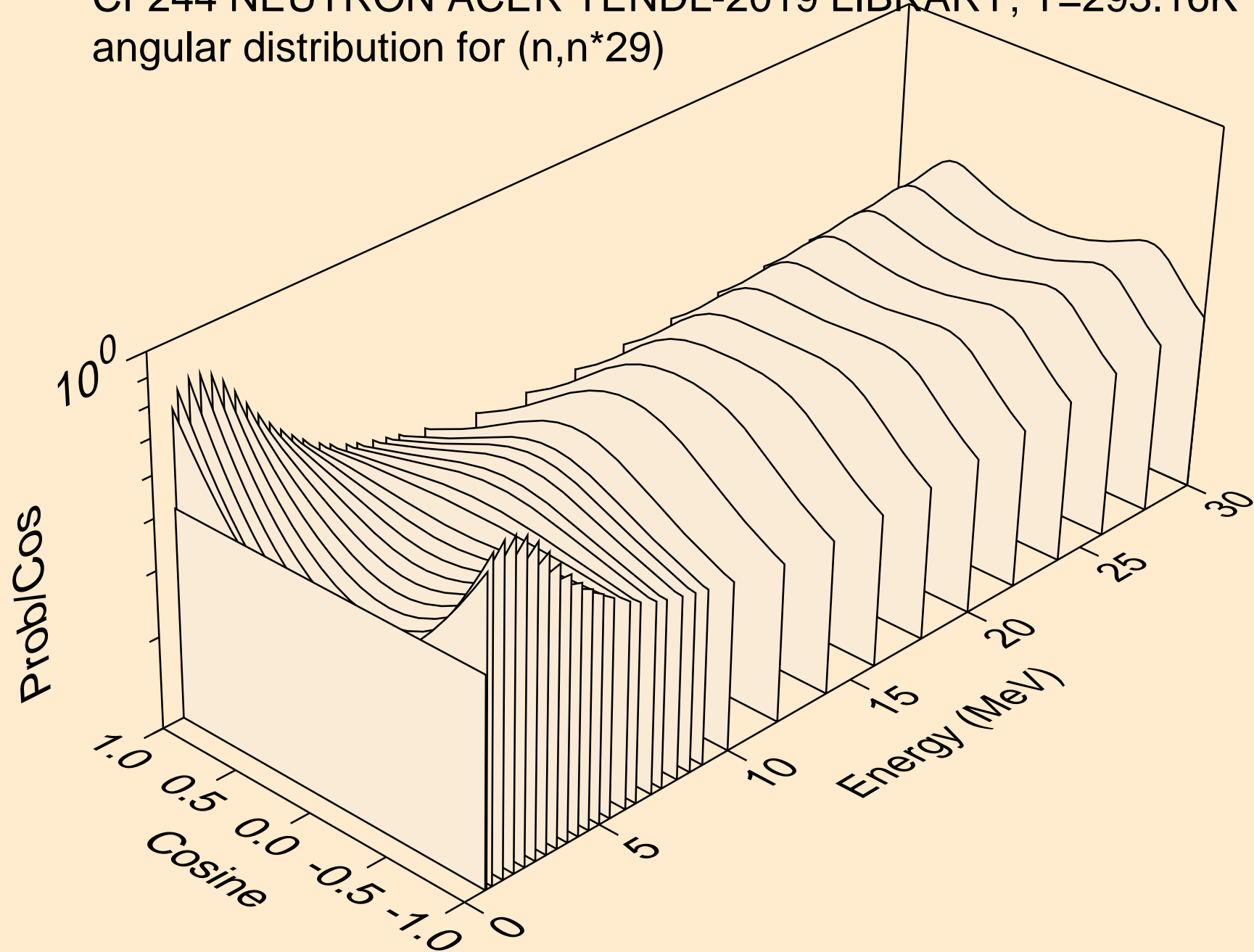
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angular distribution for (n,n\*27)



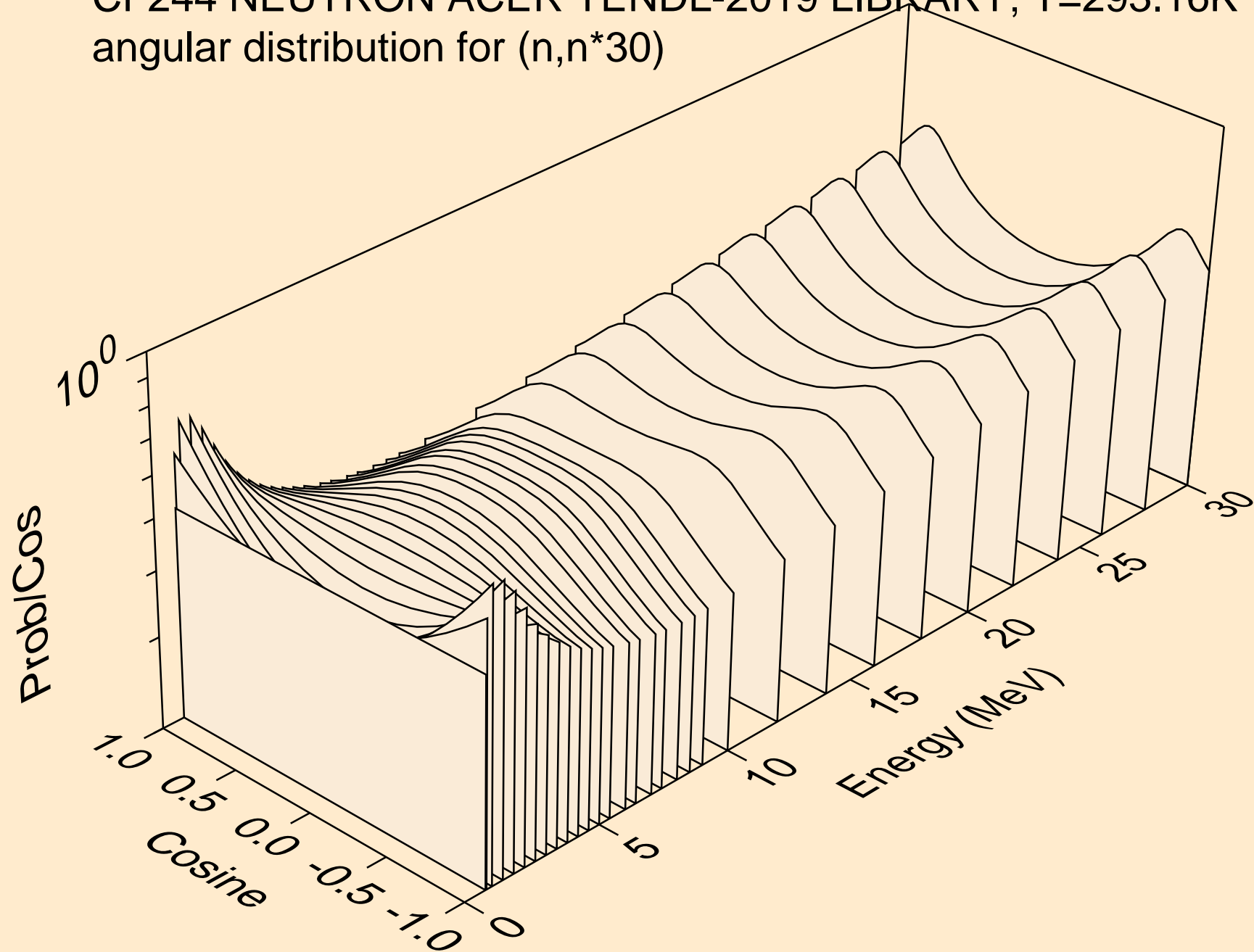
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*28)



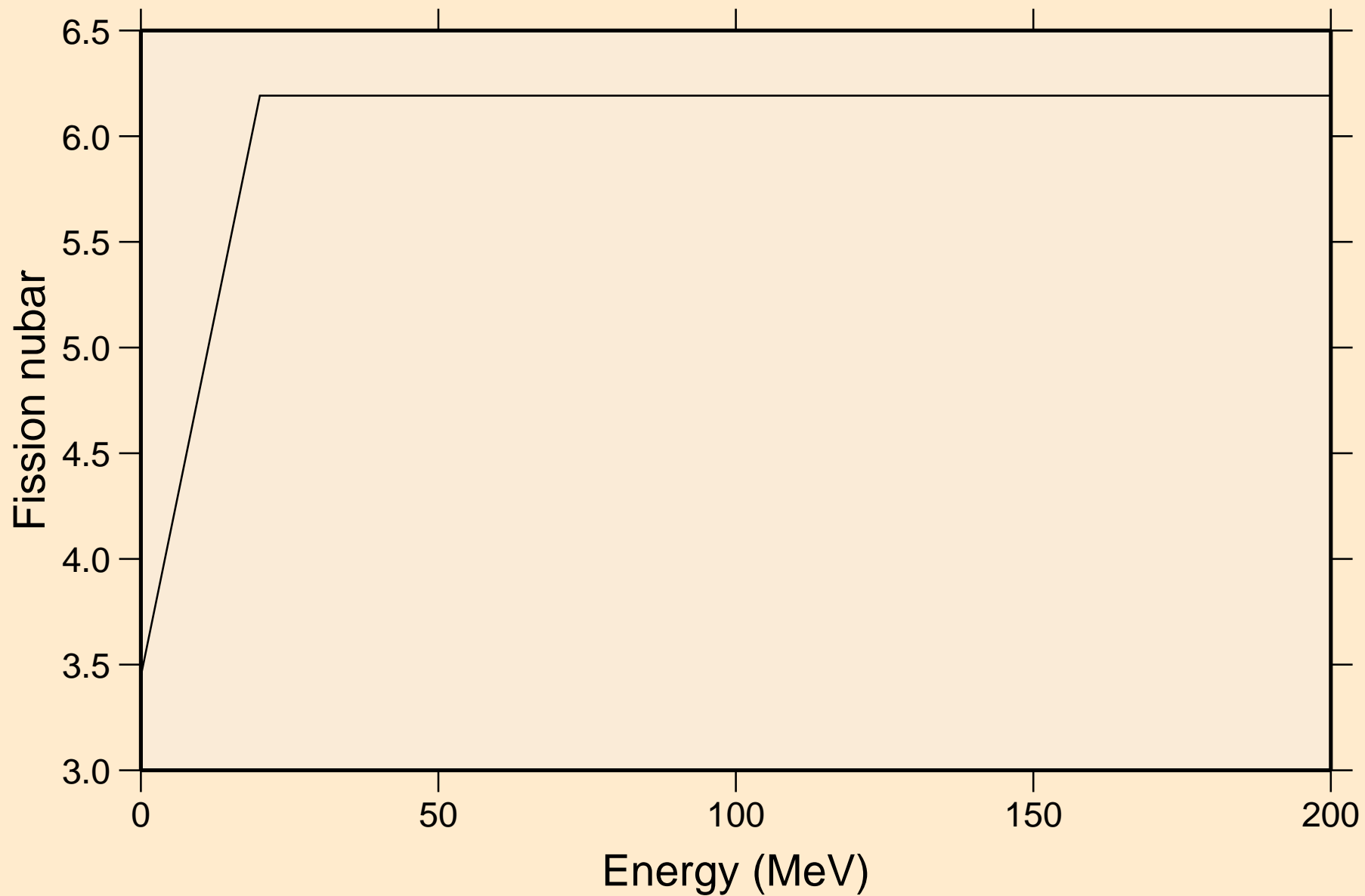
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angular distribution for (n,n\*29)



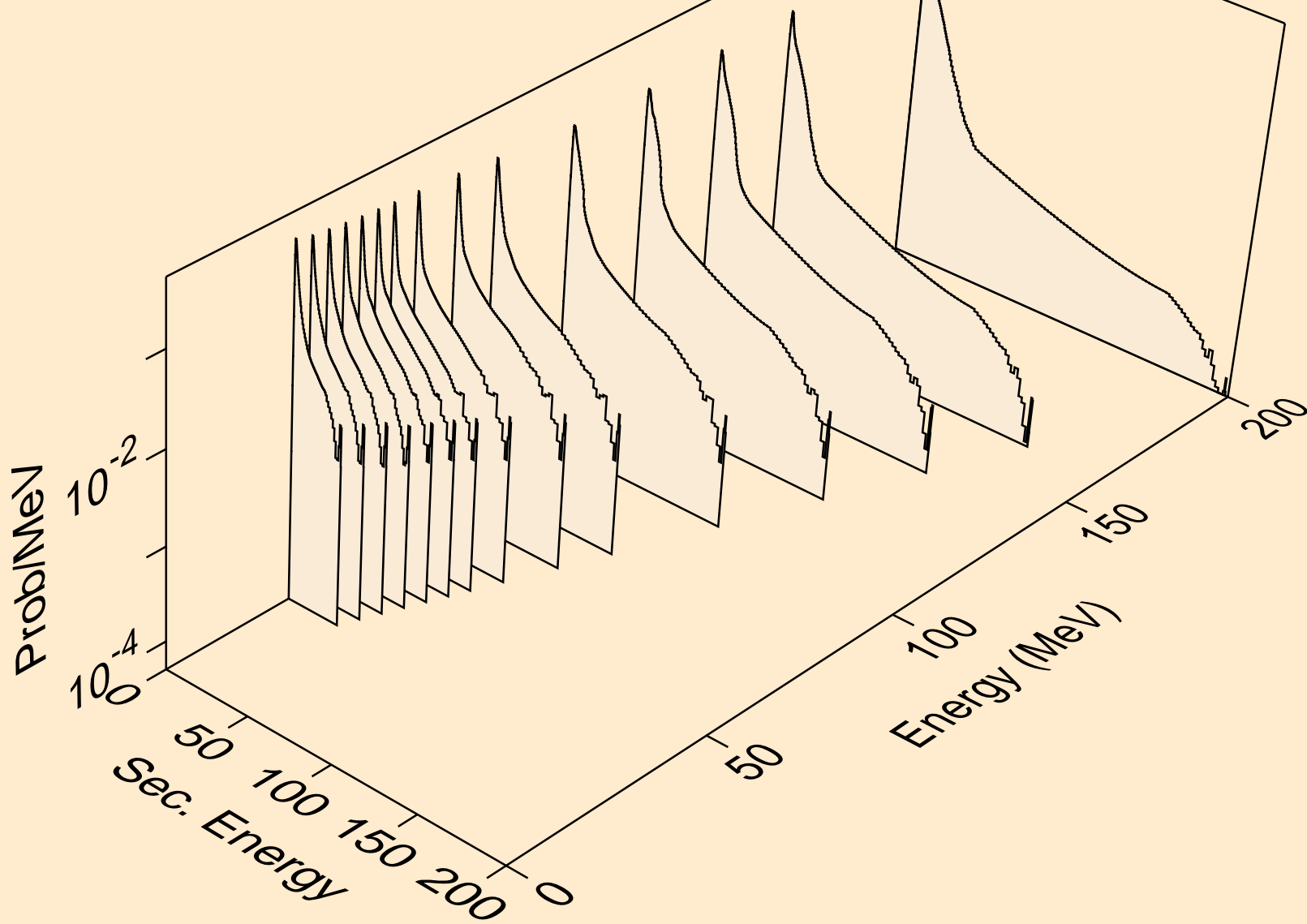
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*30)



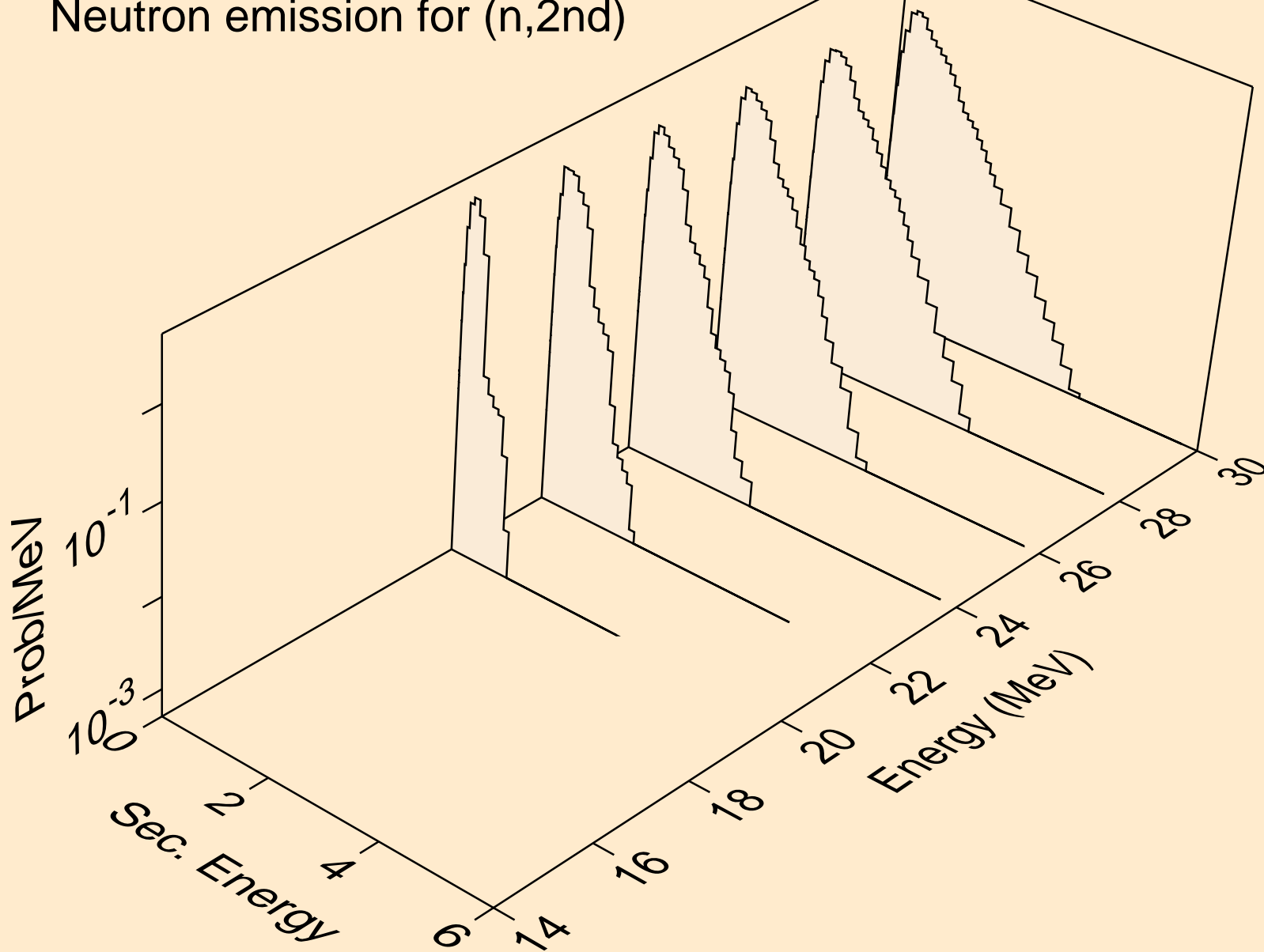
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Total fission nubar



CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)

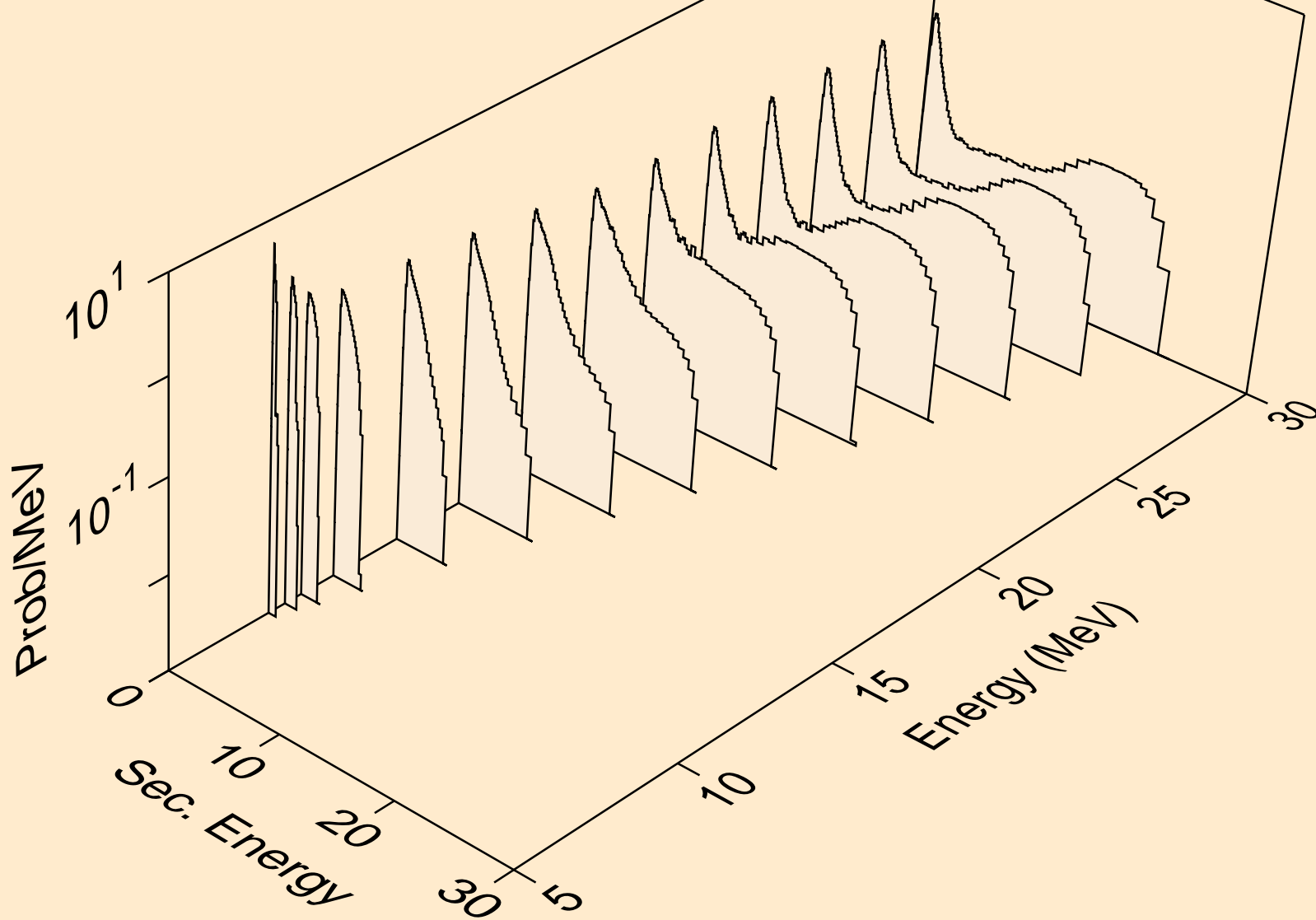


CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)

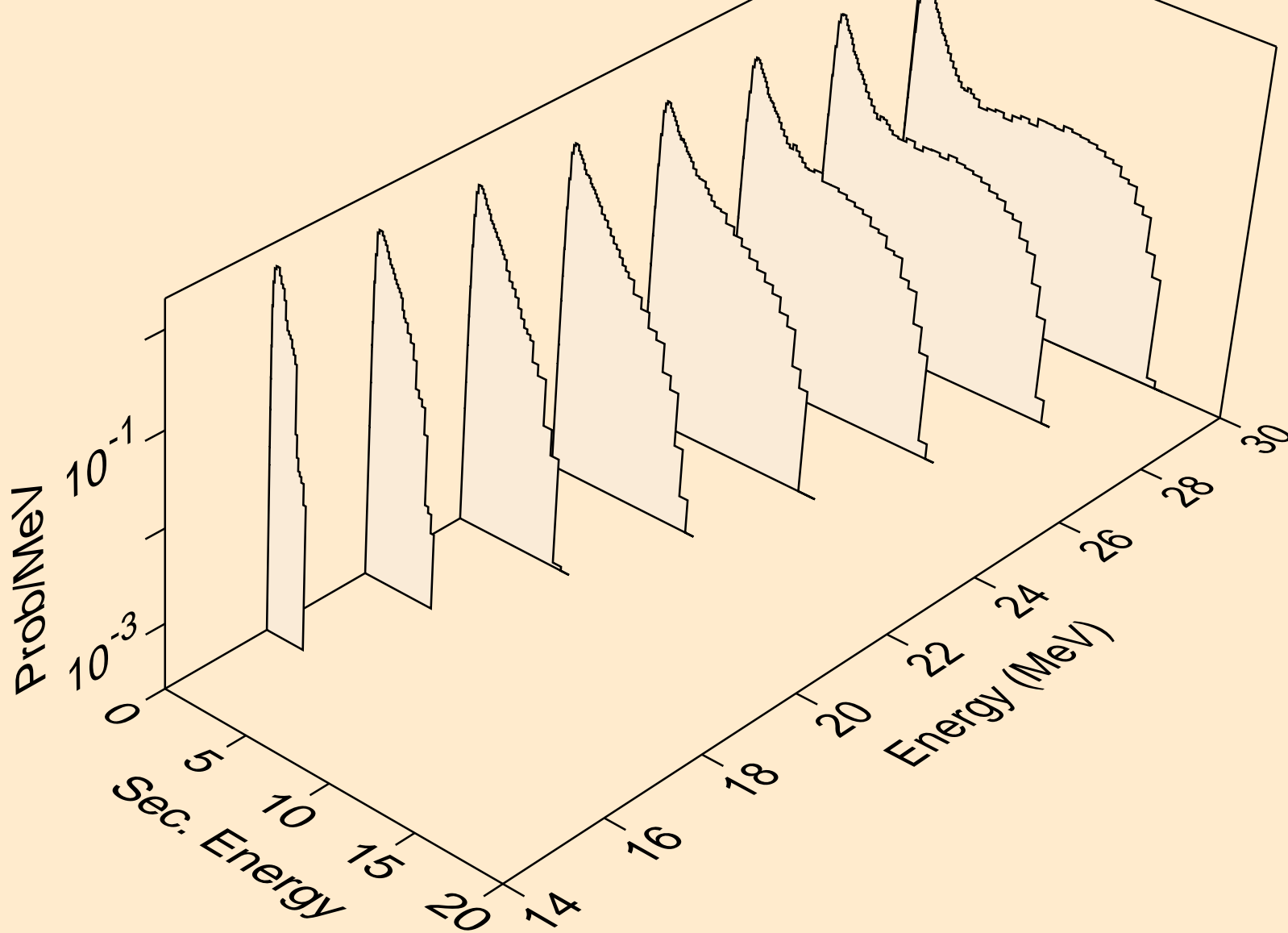




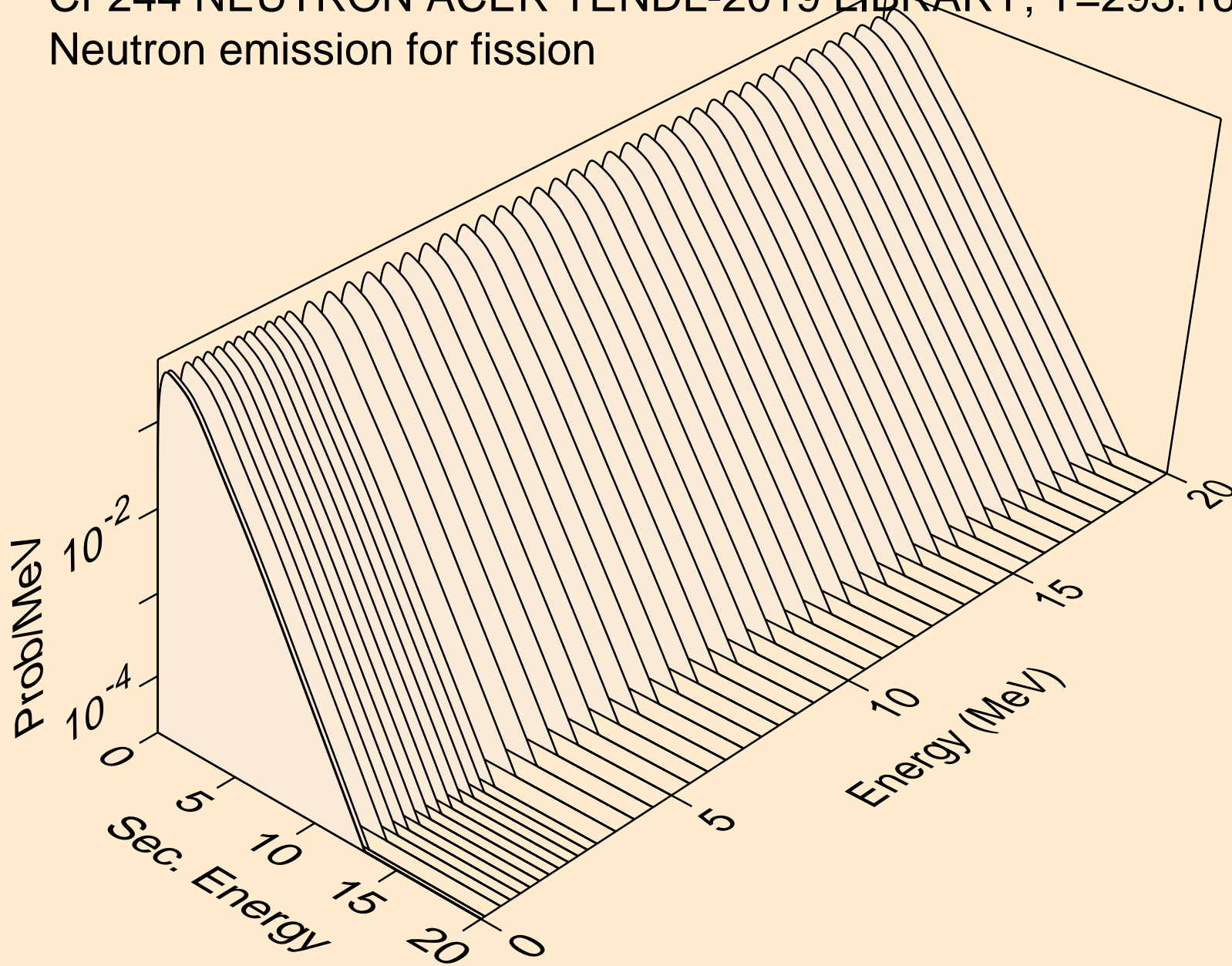
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



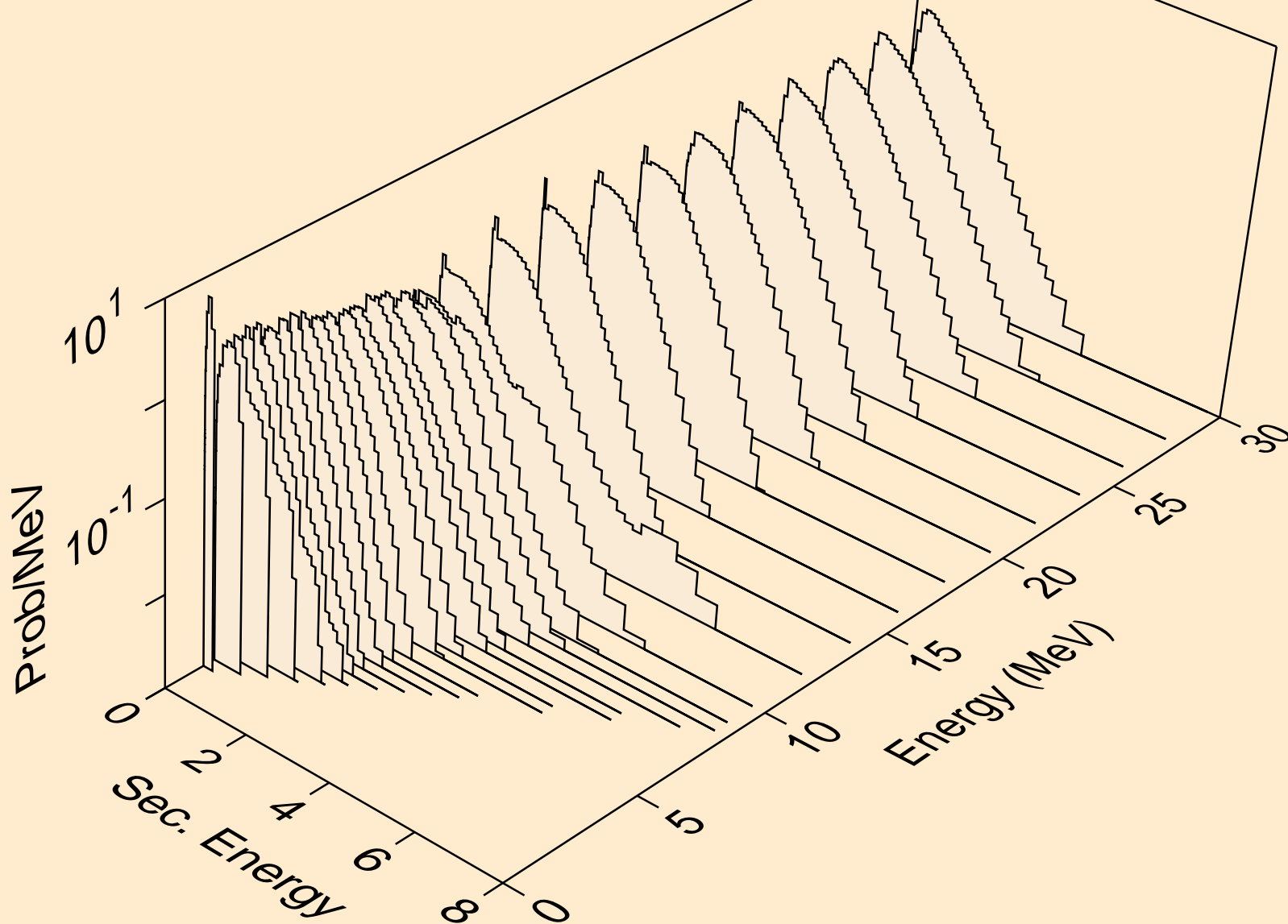
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)



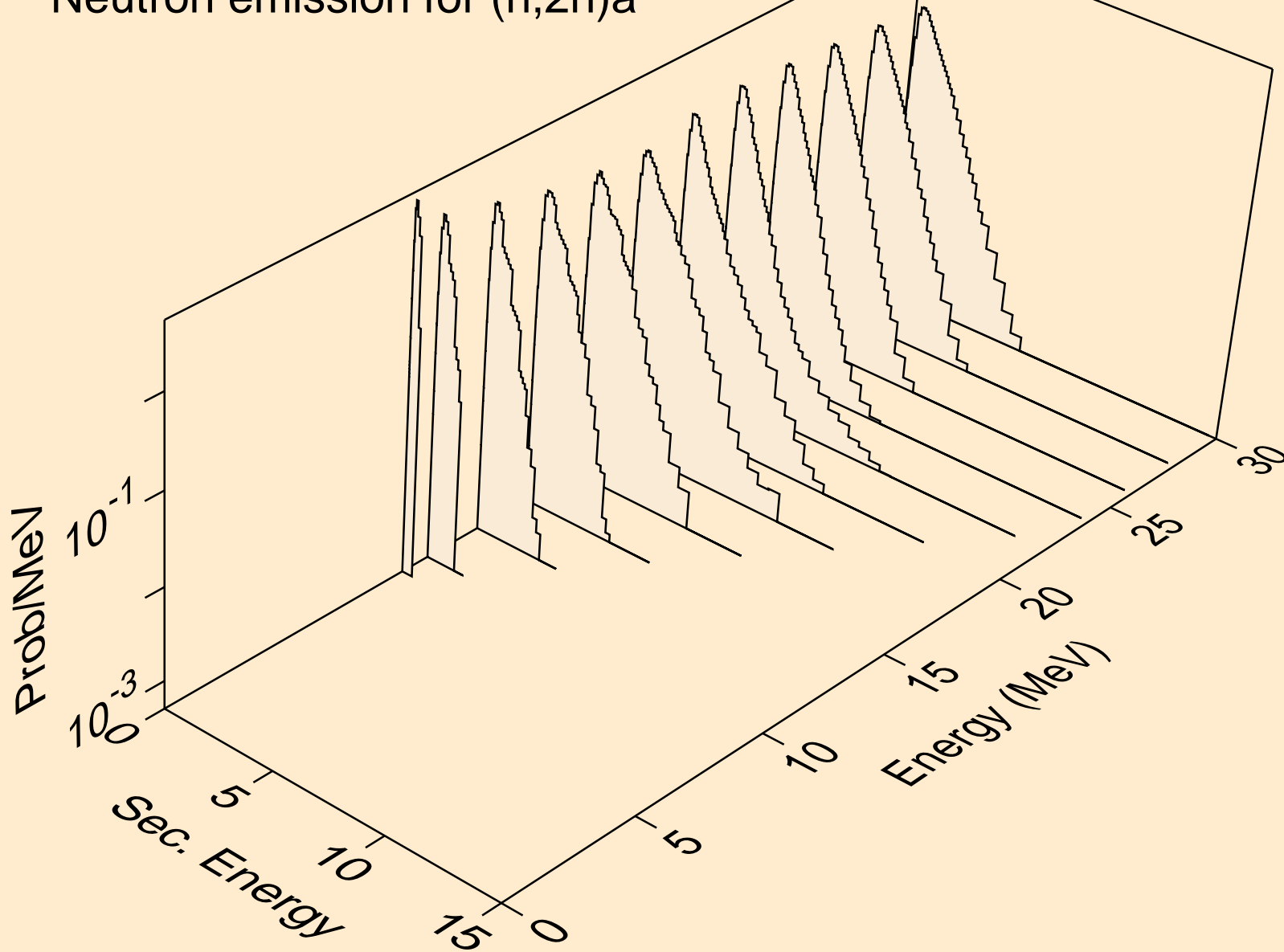
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for fission



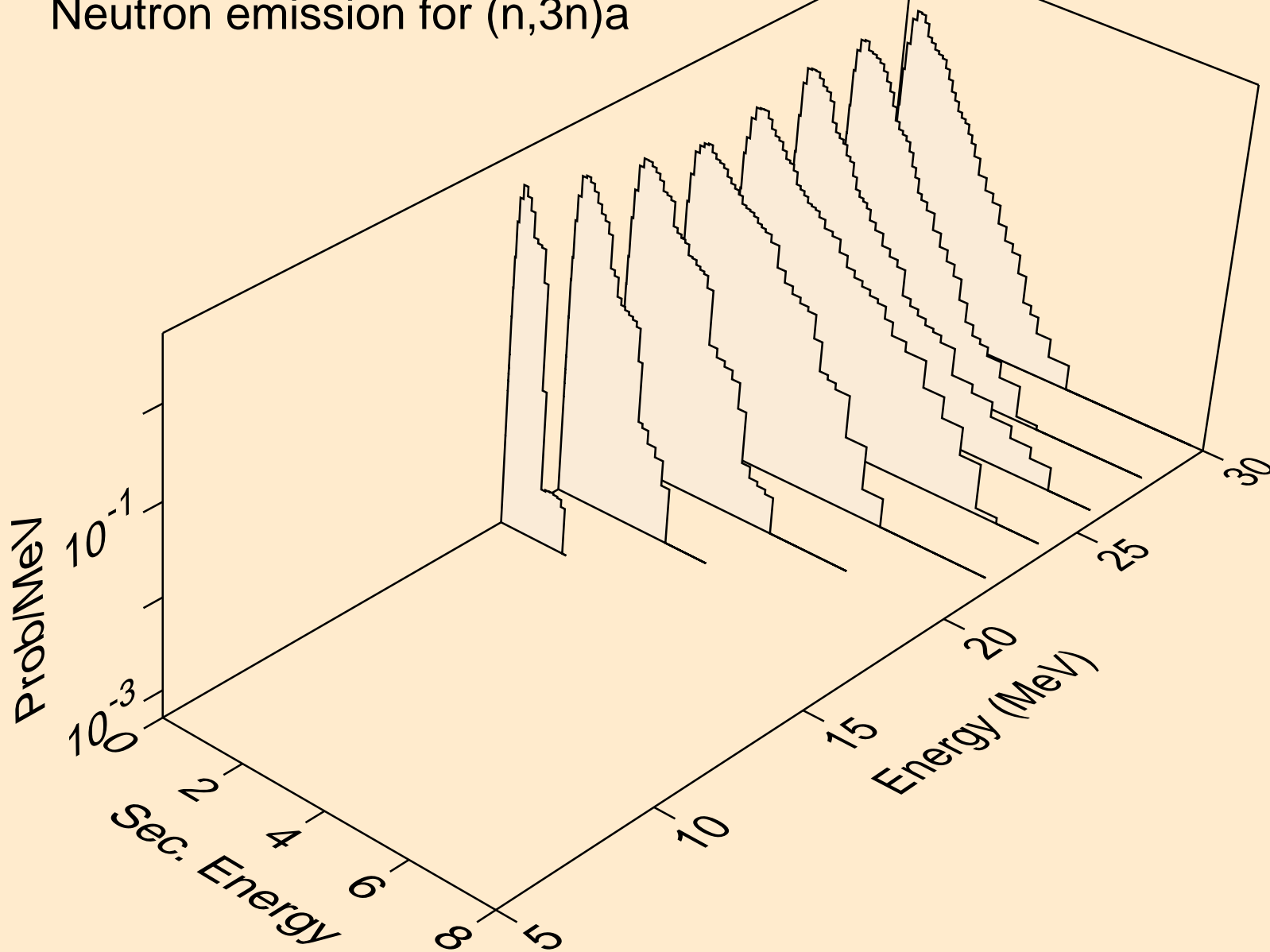
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



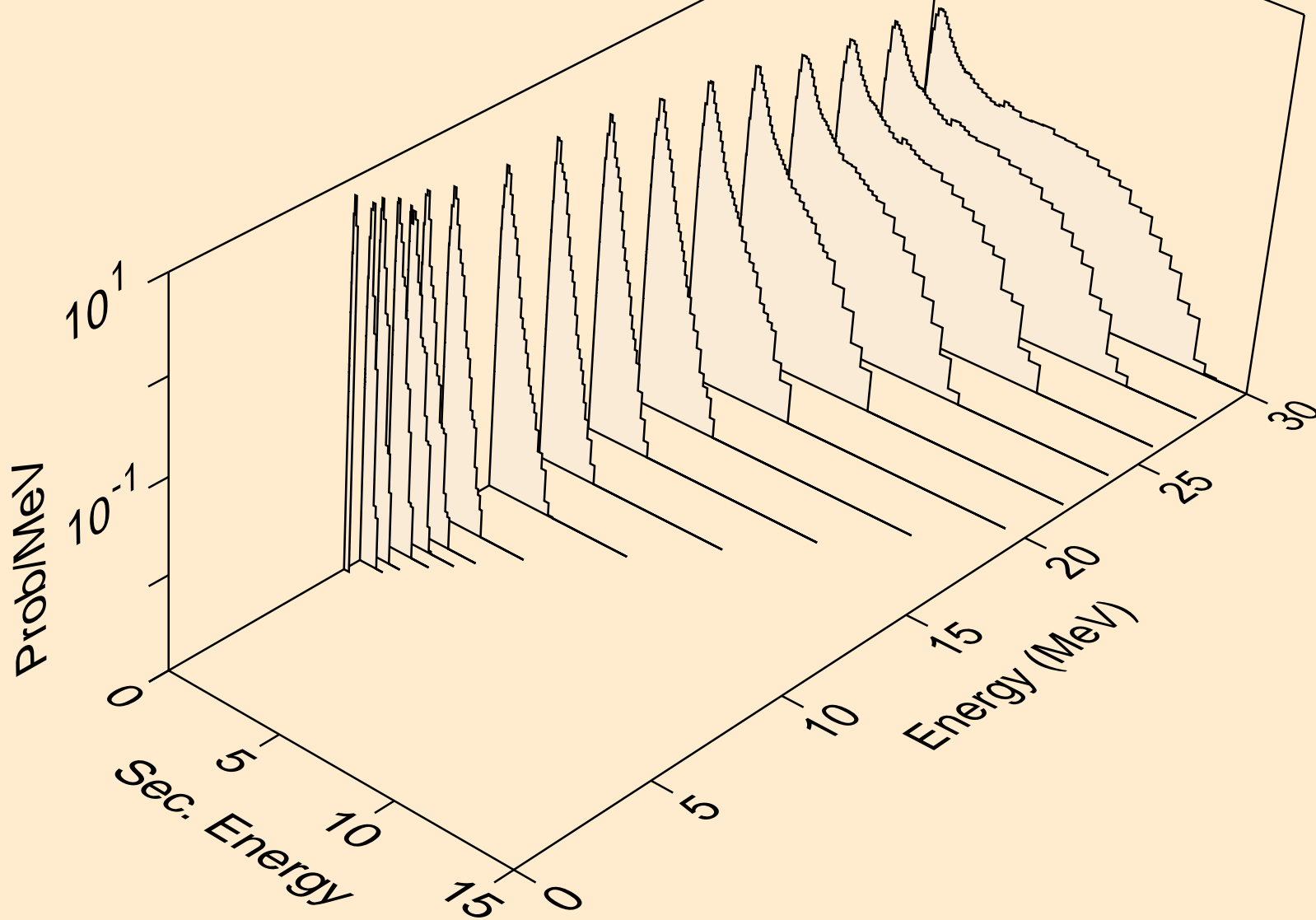
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a



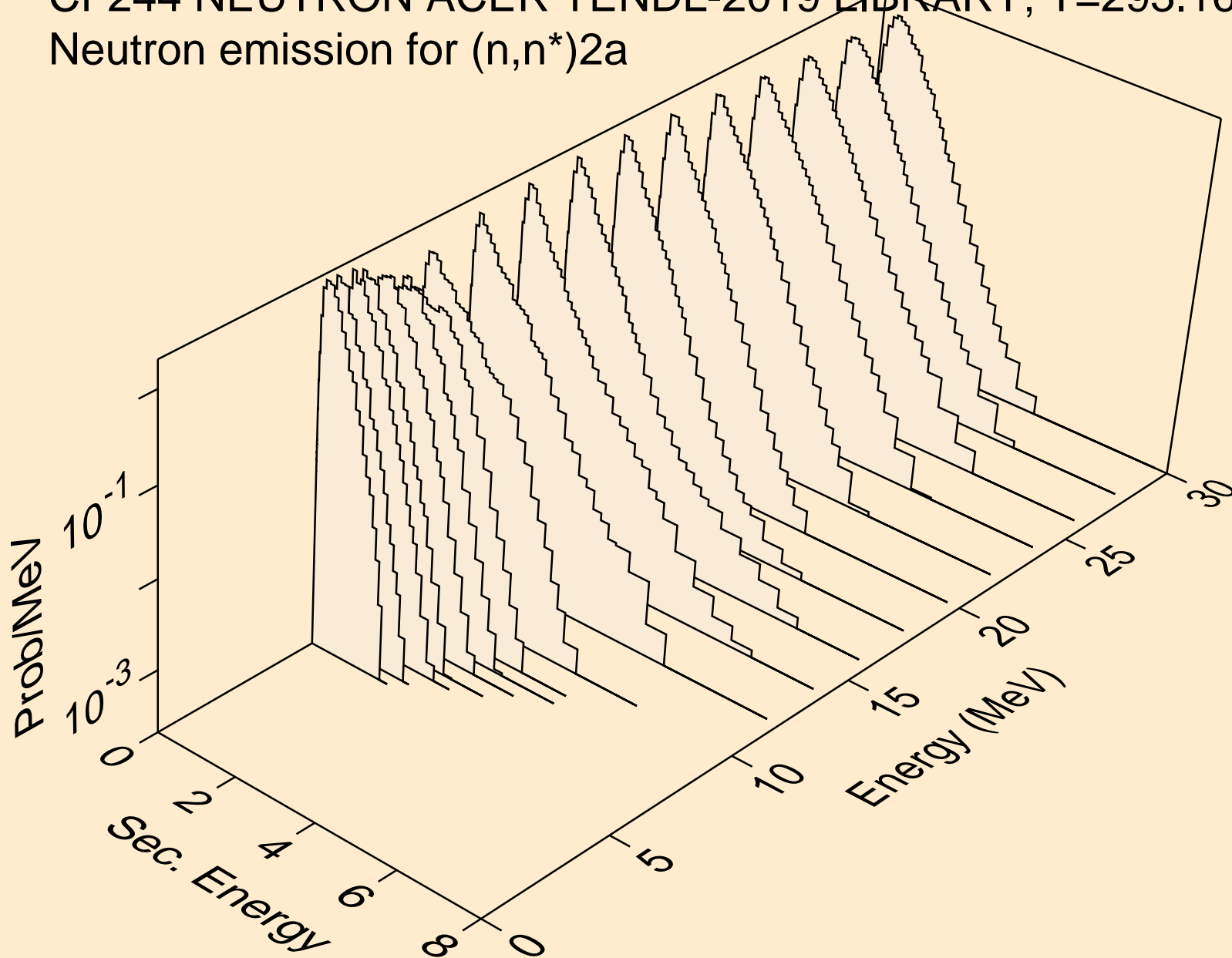
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p

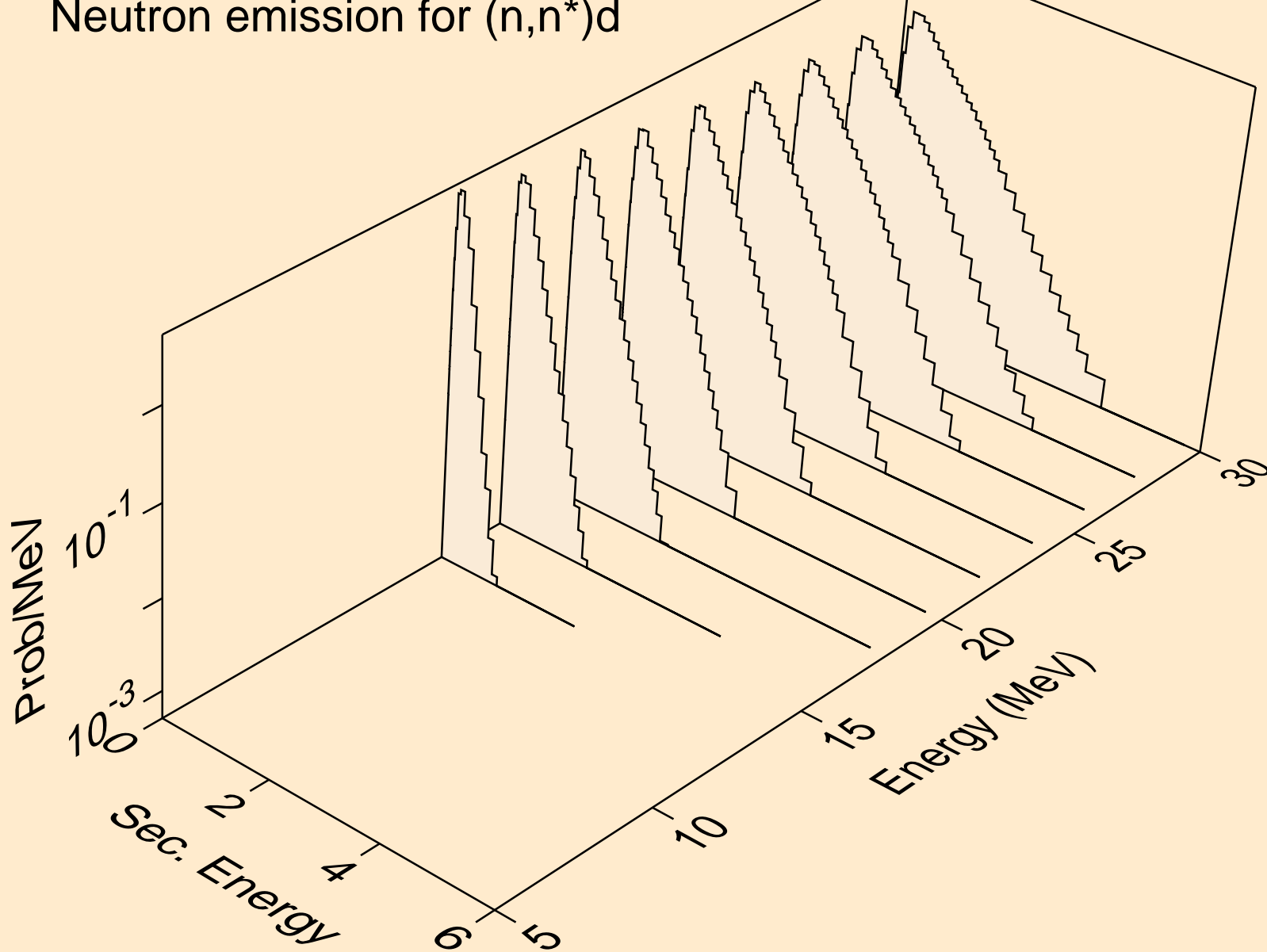


CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)2a

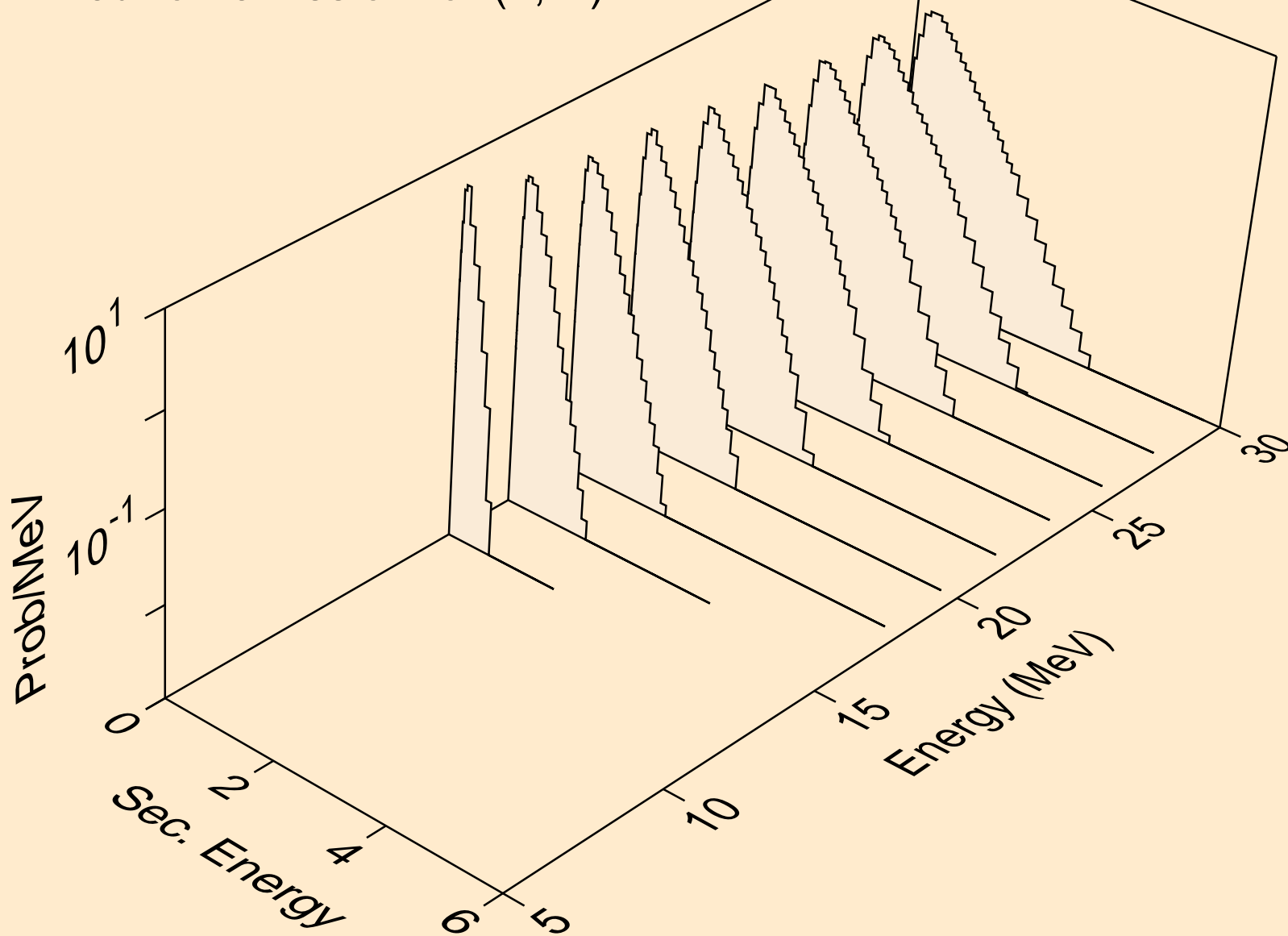




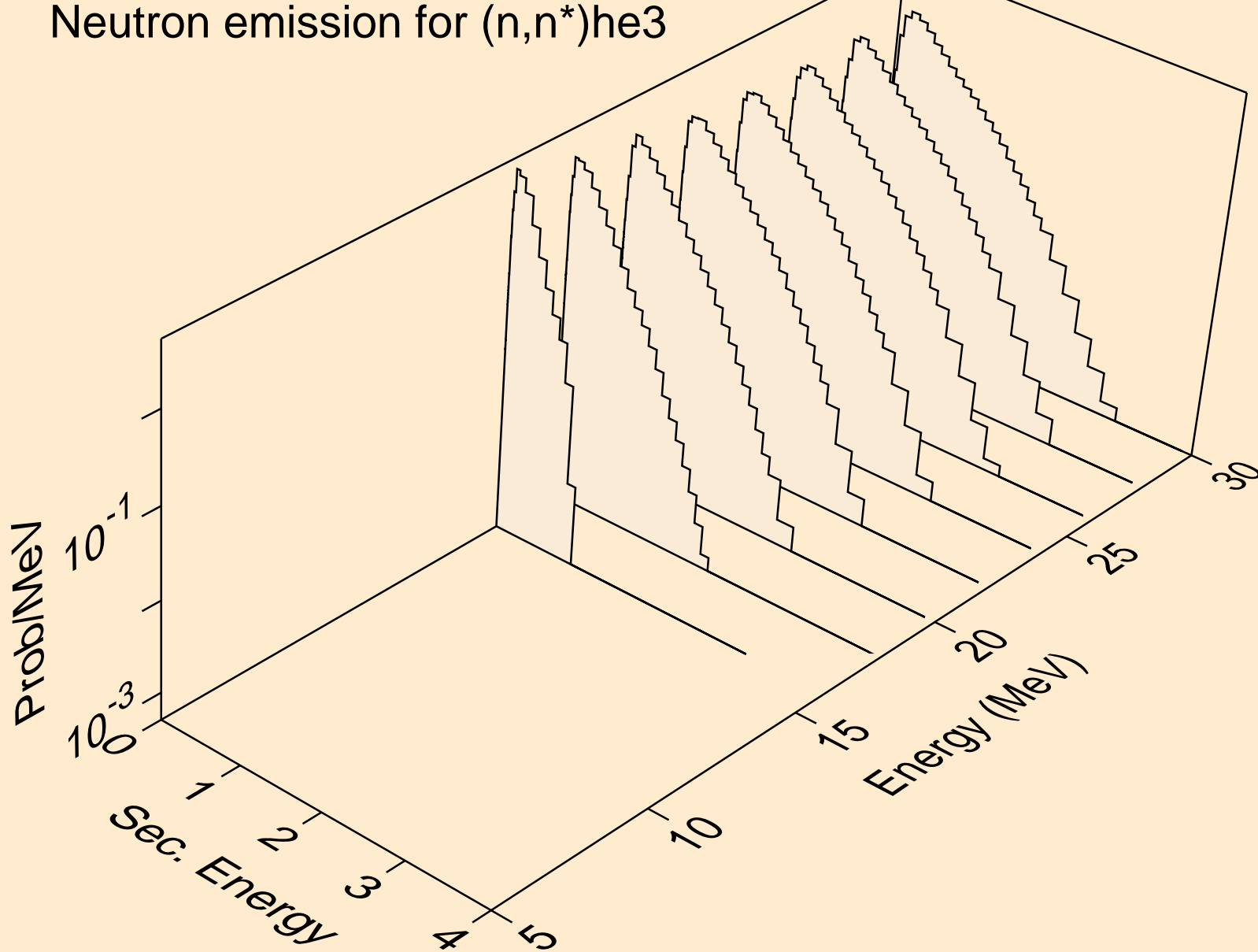
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d



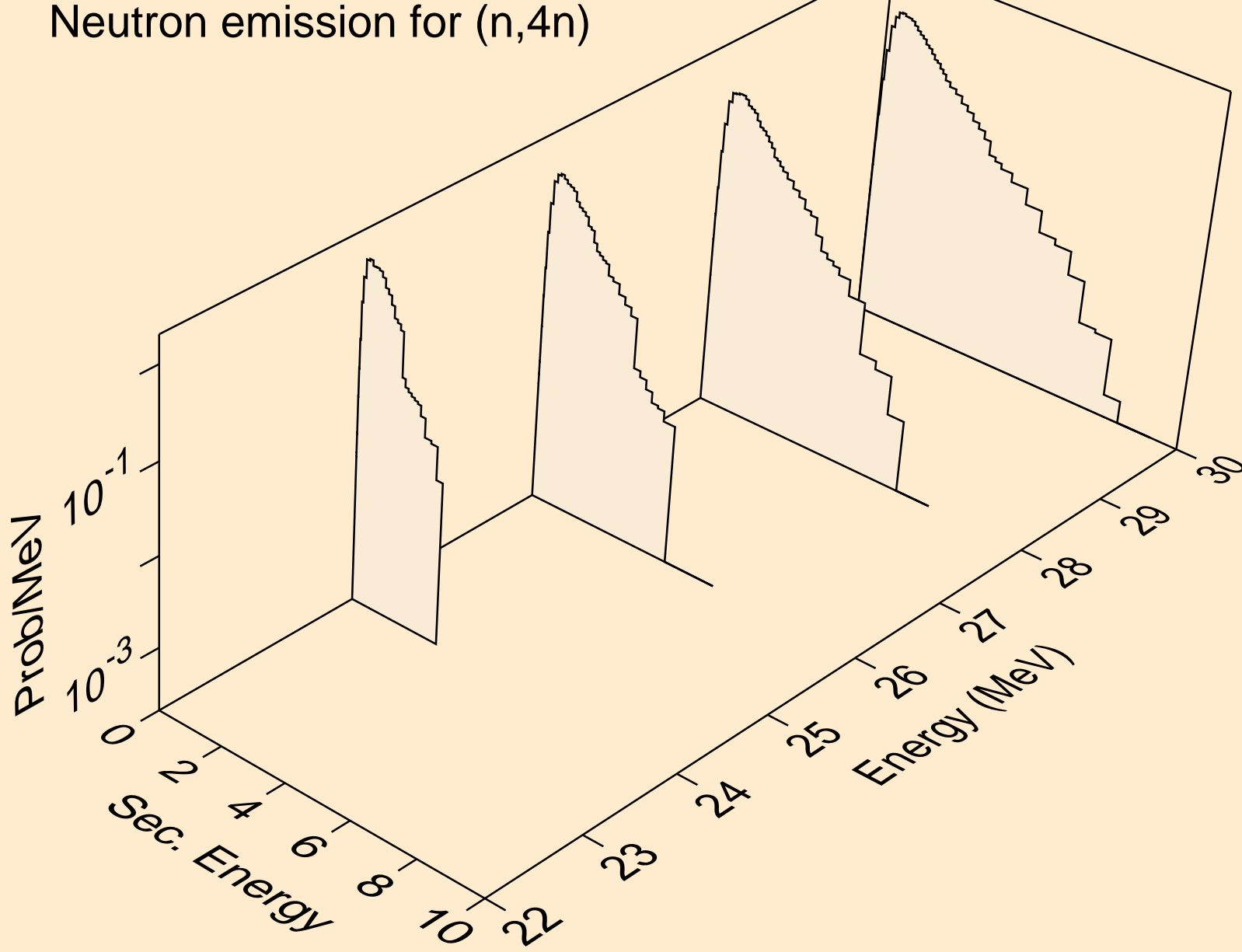
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



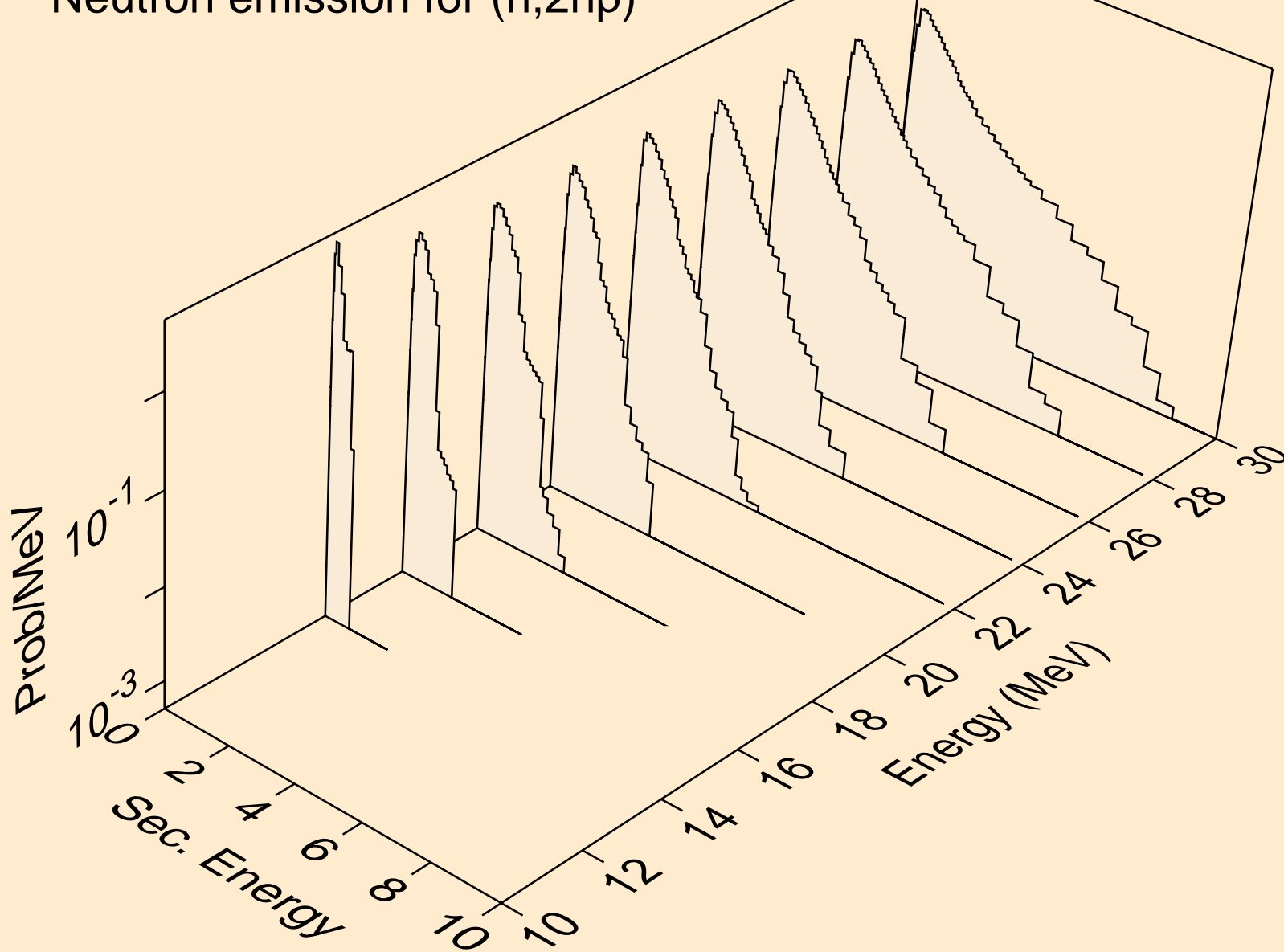
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



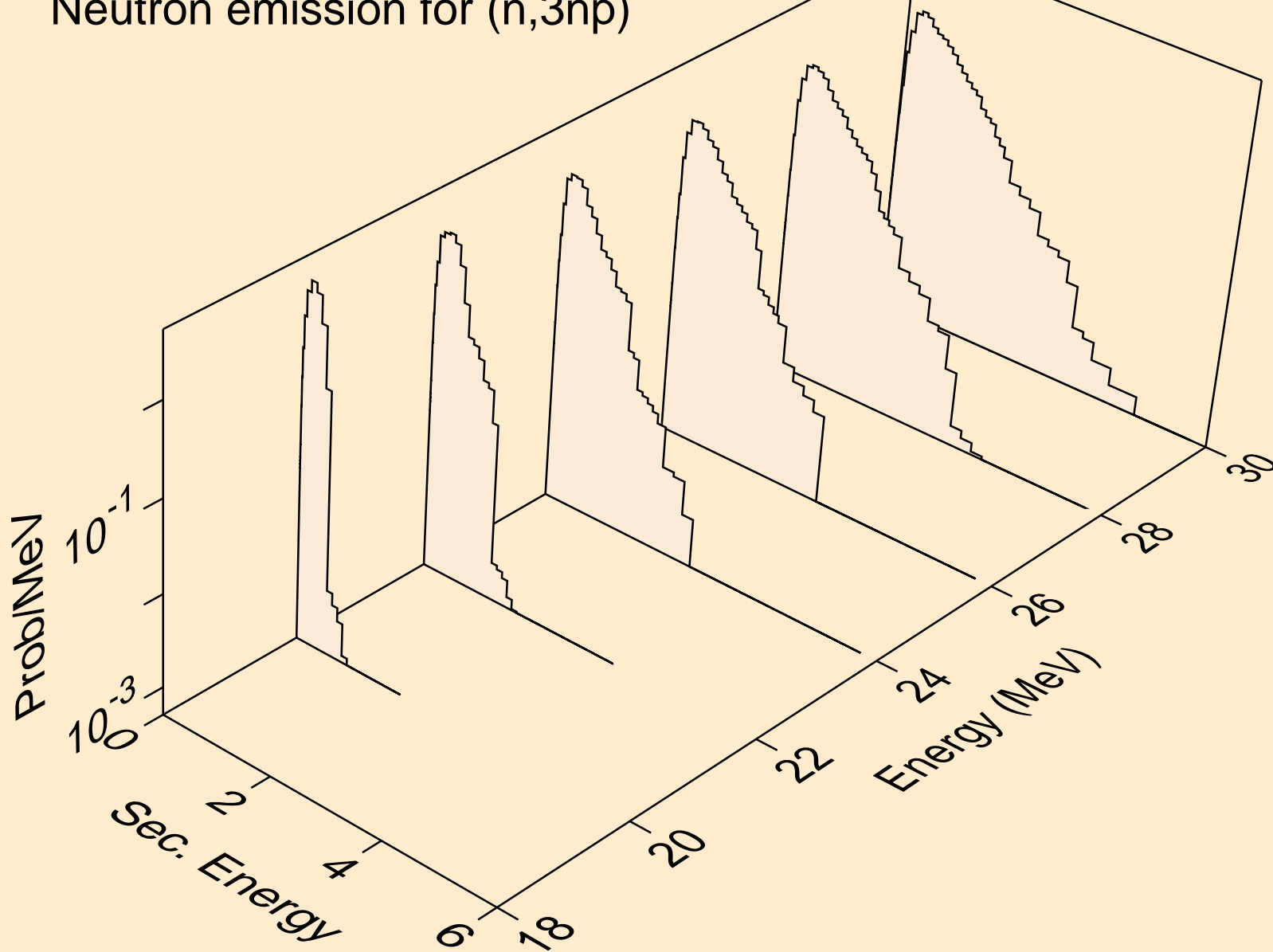
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)



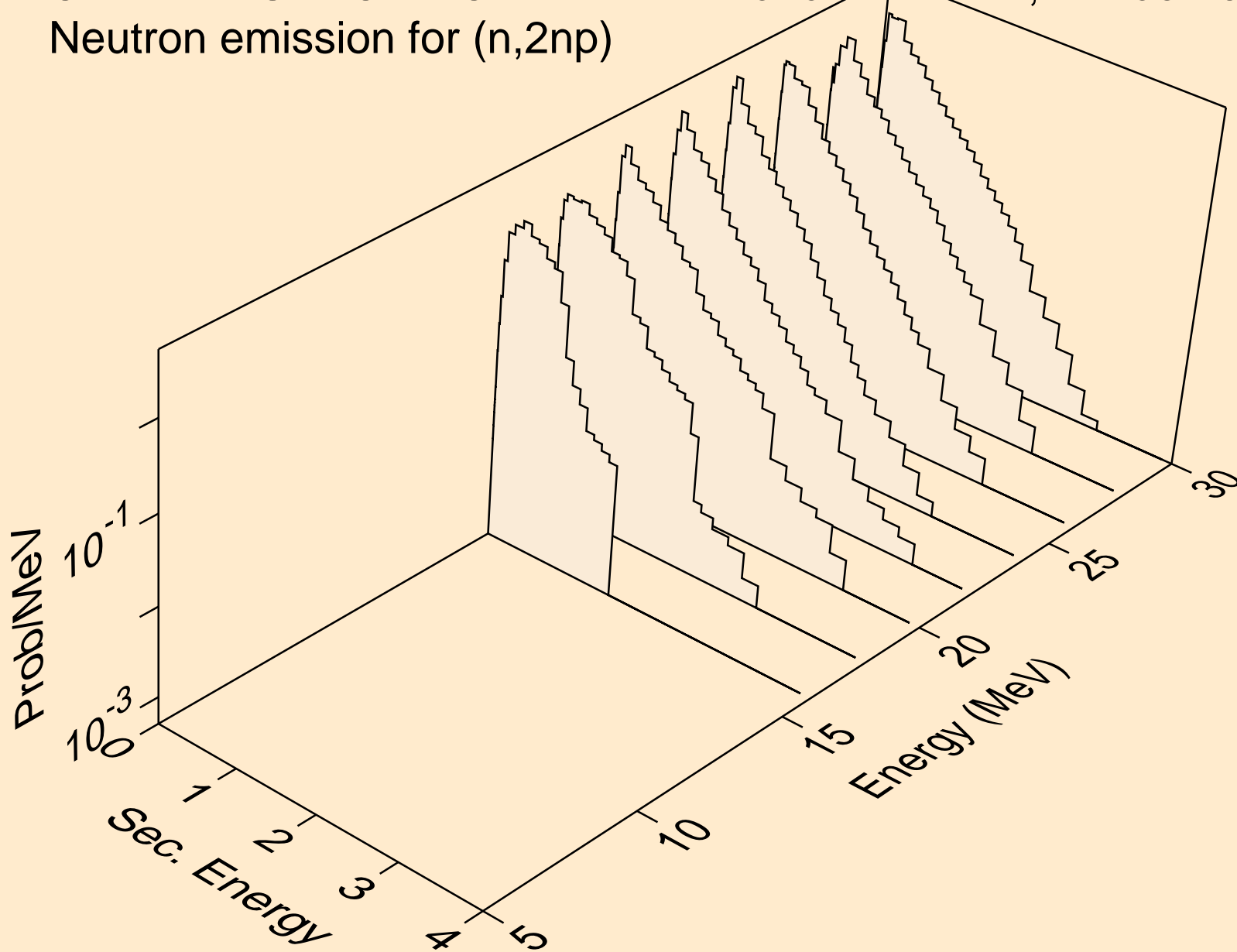
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



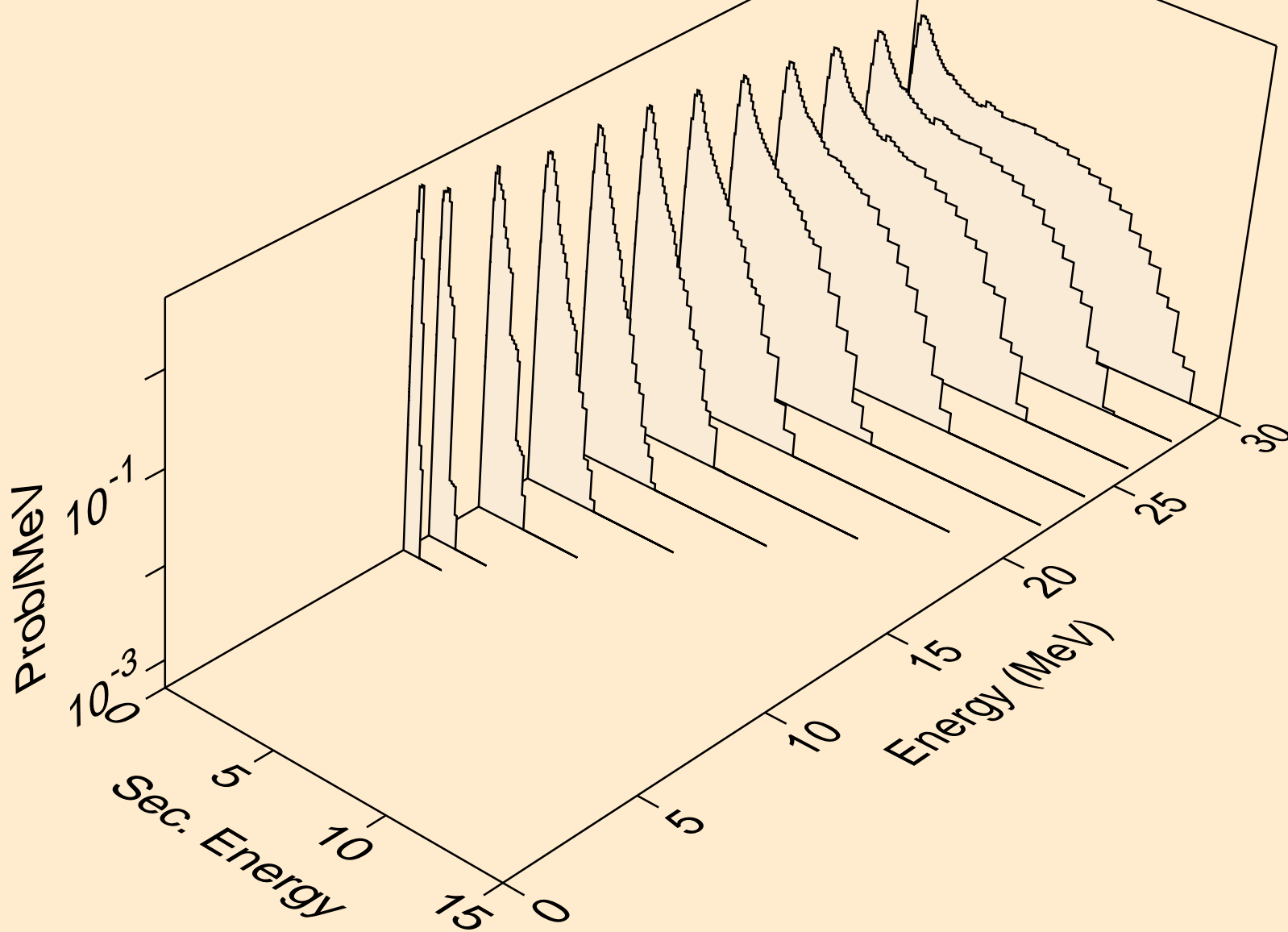
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)



CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)

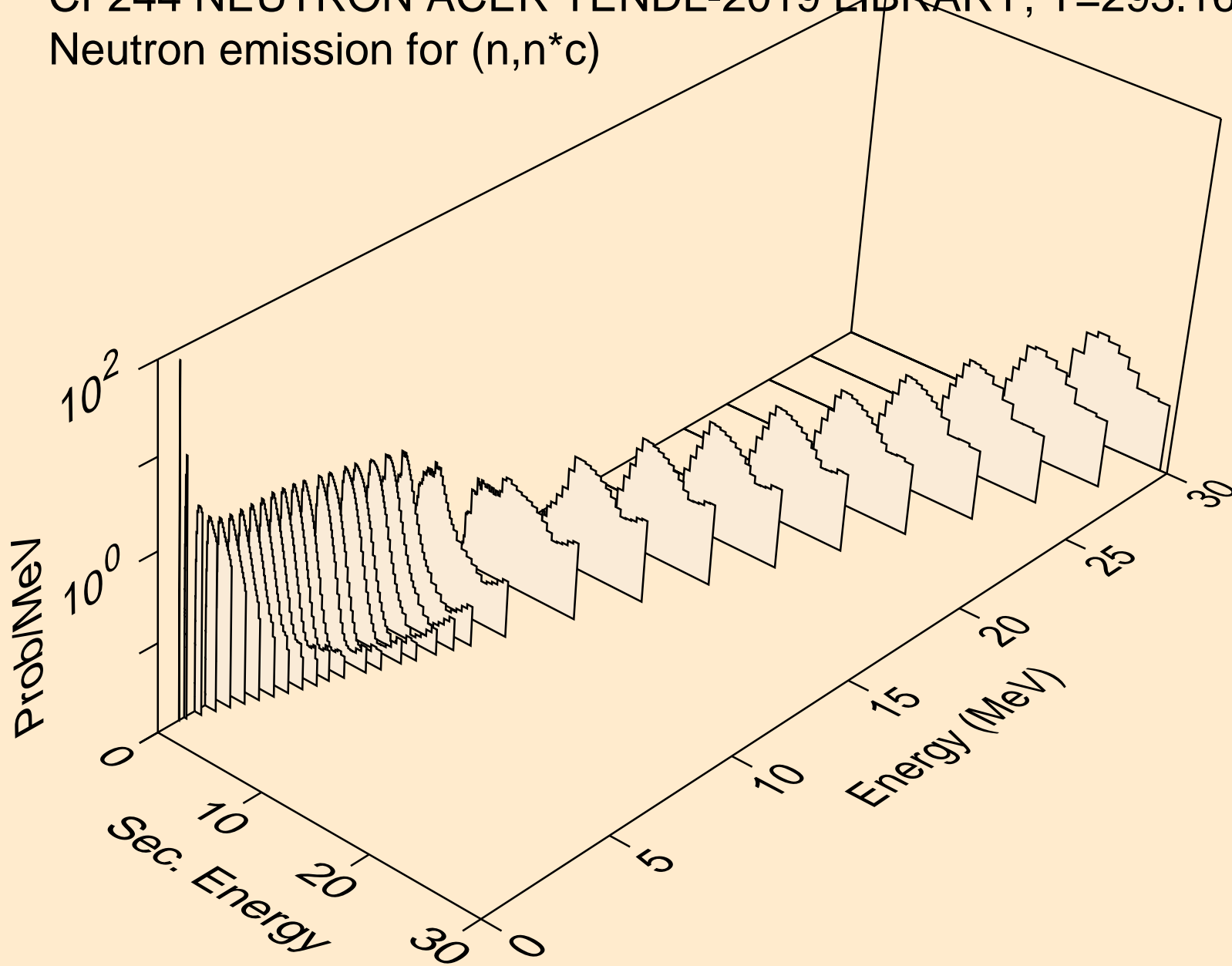


CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,npa)

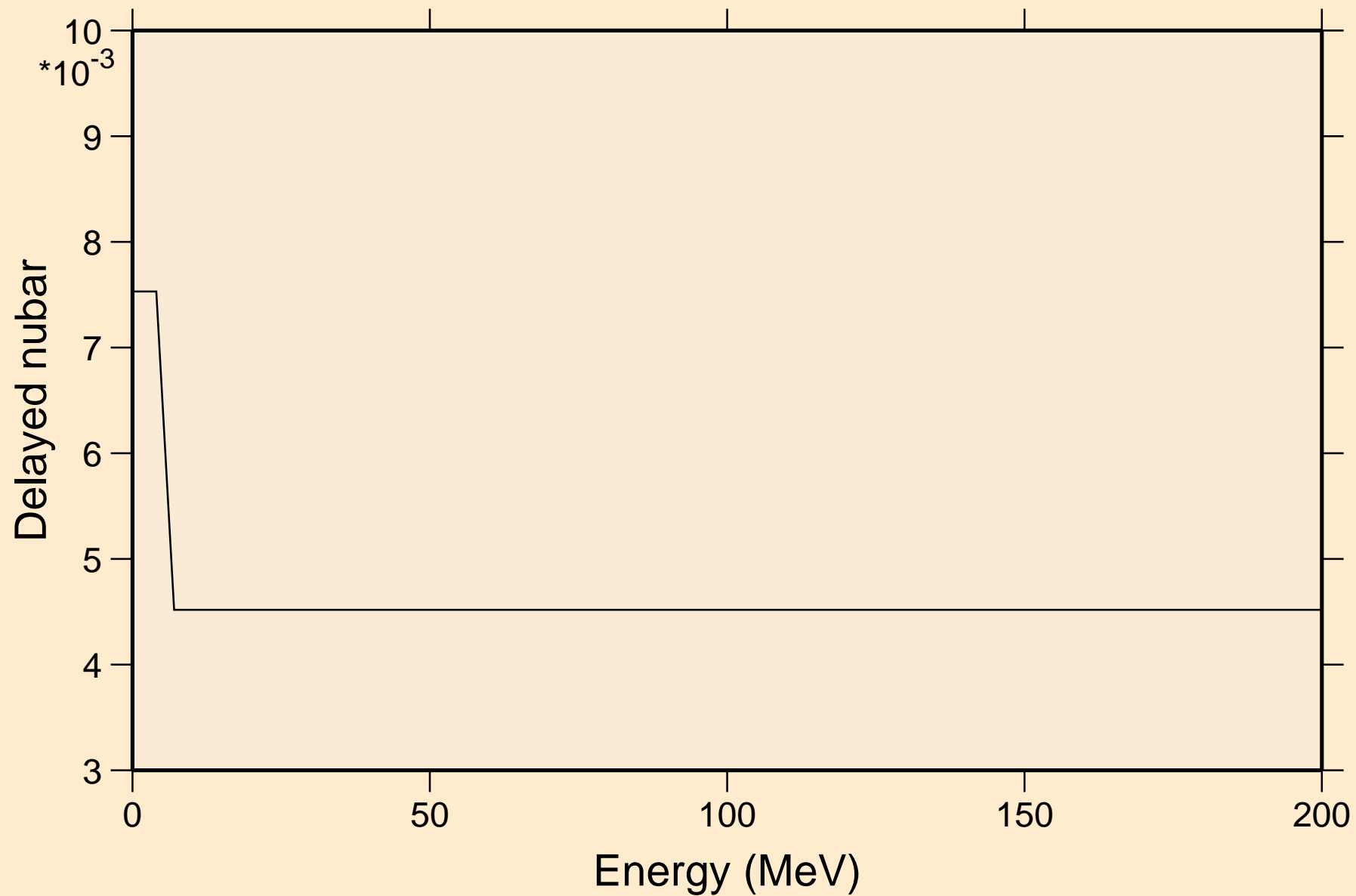




CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)

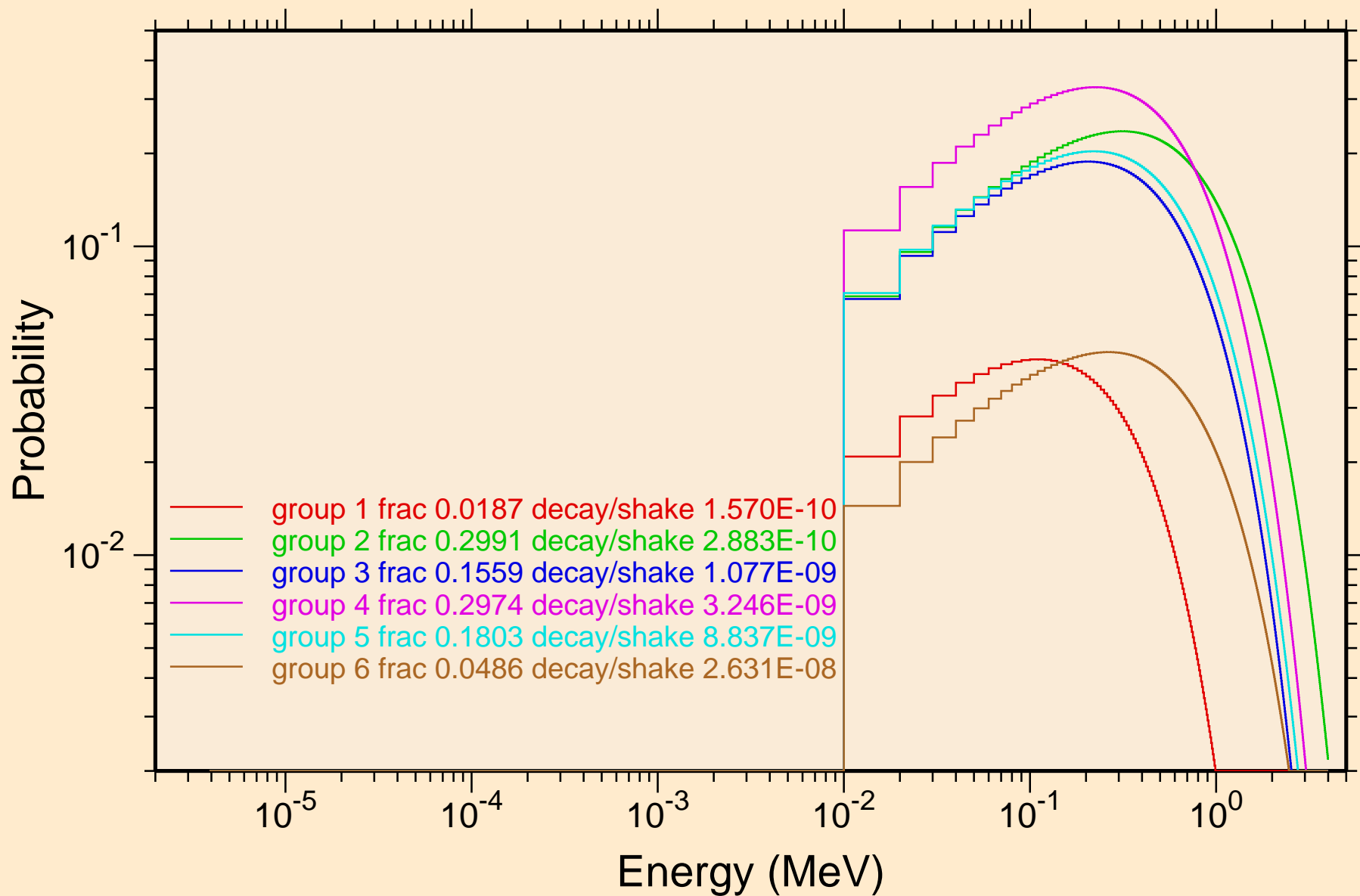


CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Delayed nubar

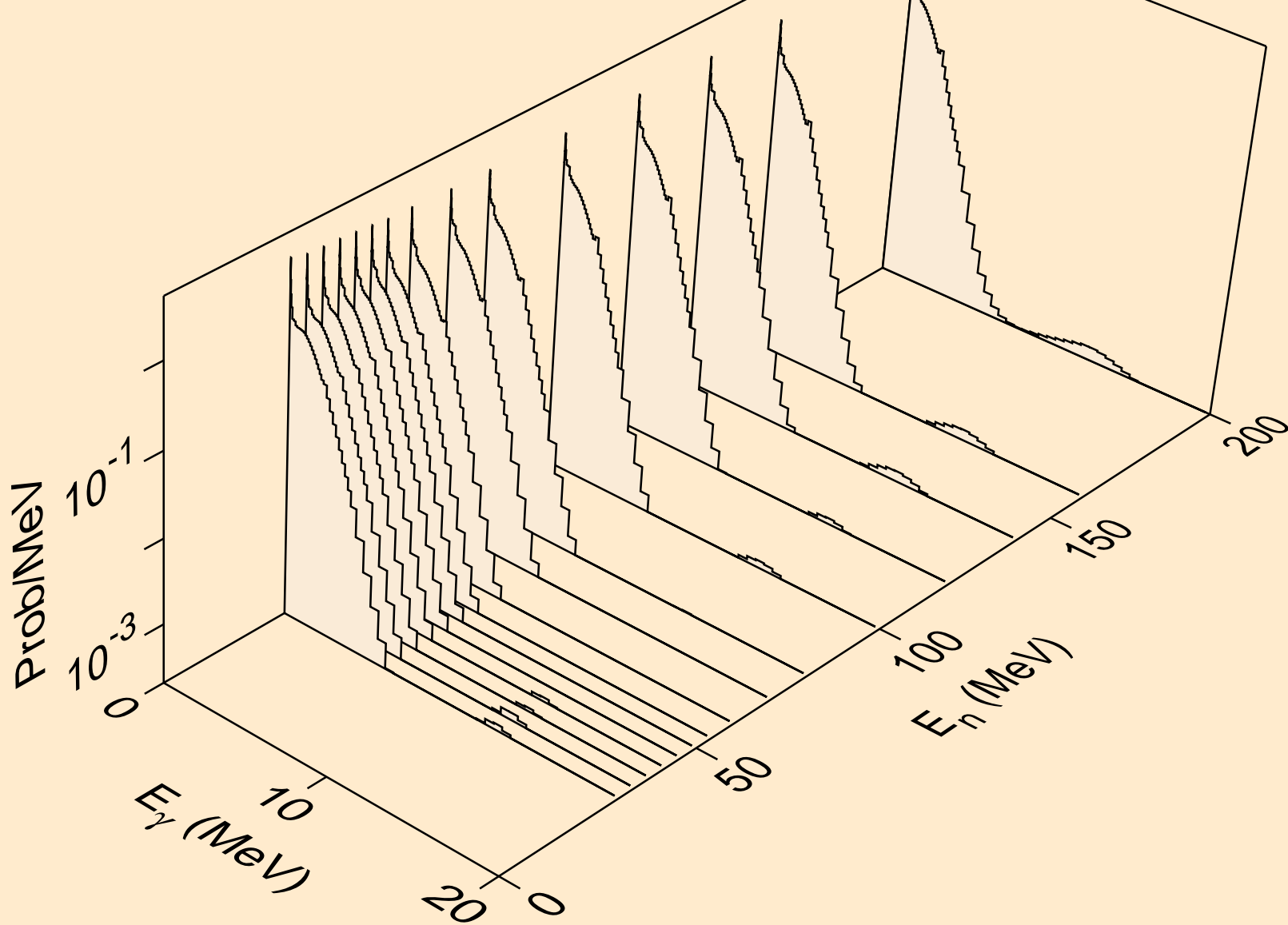


# CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

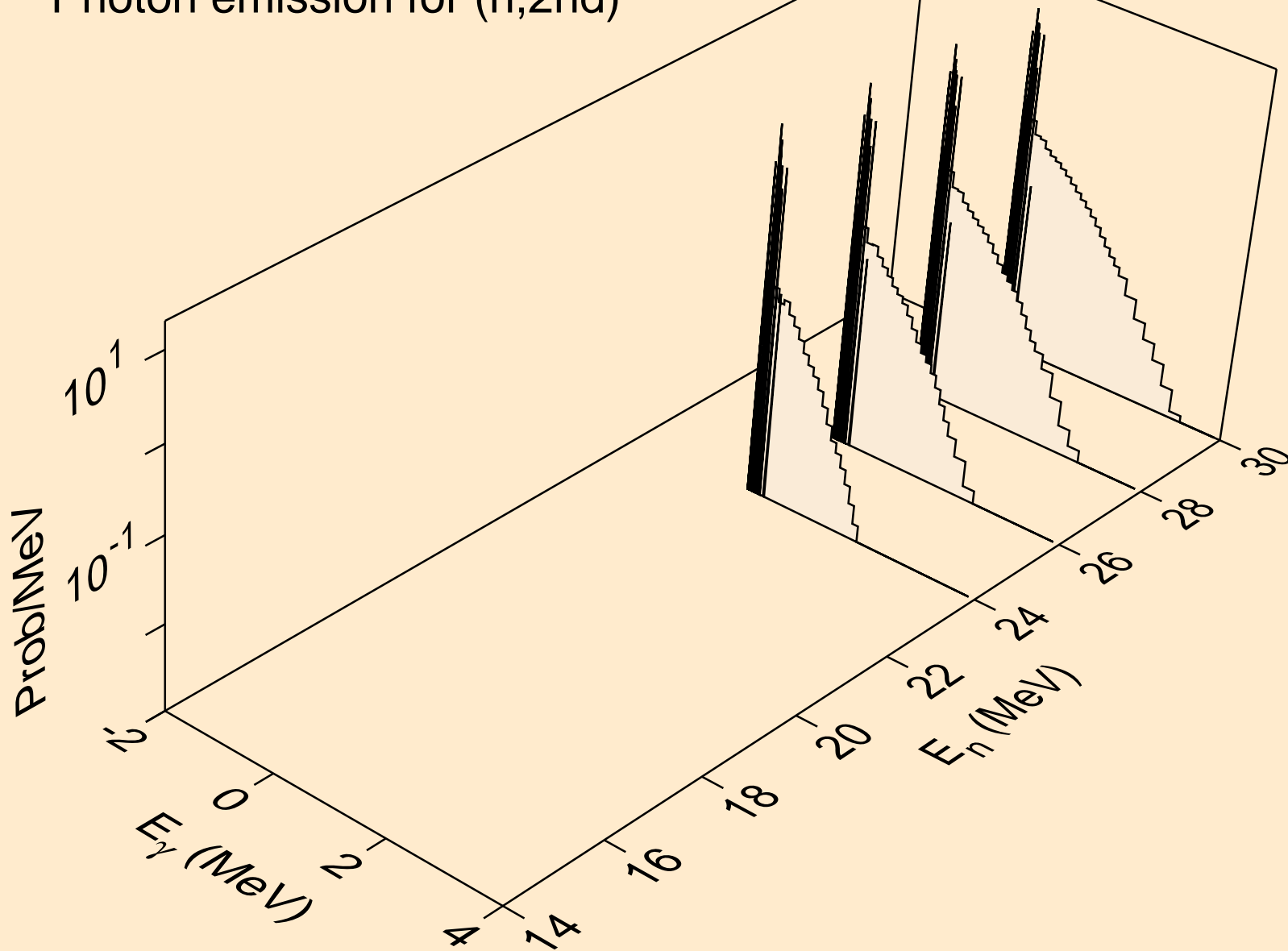
## Delayed neutron spectra



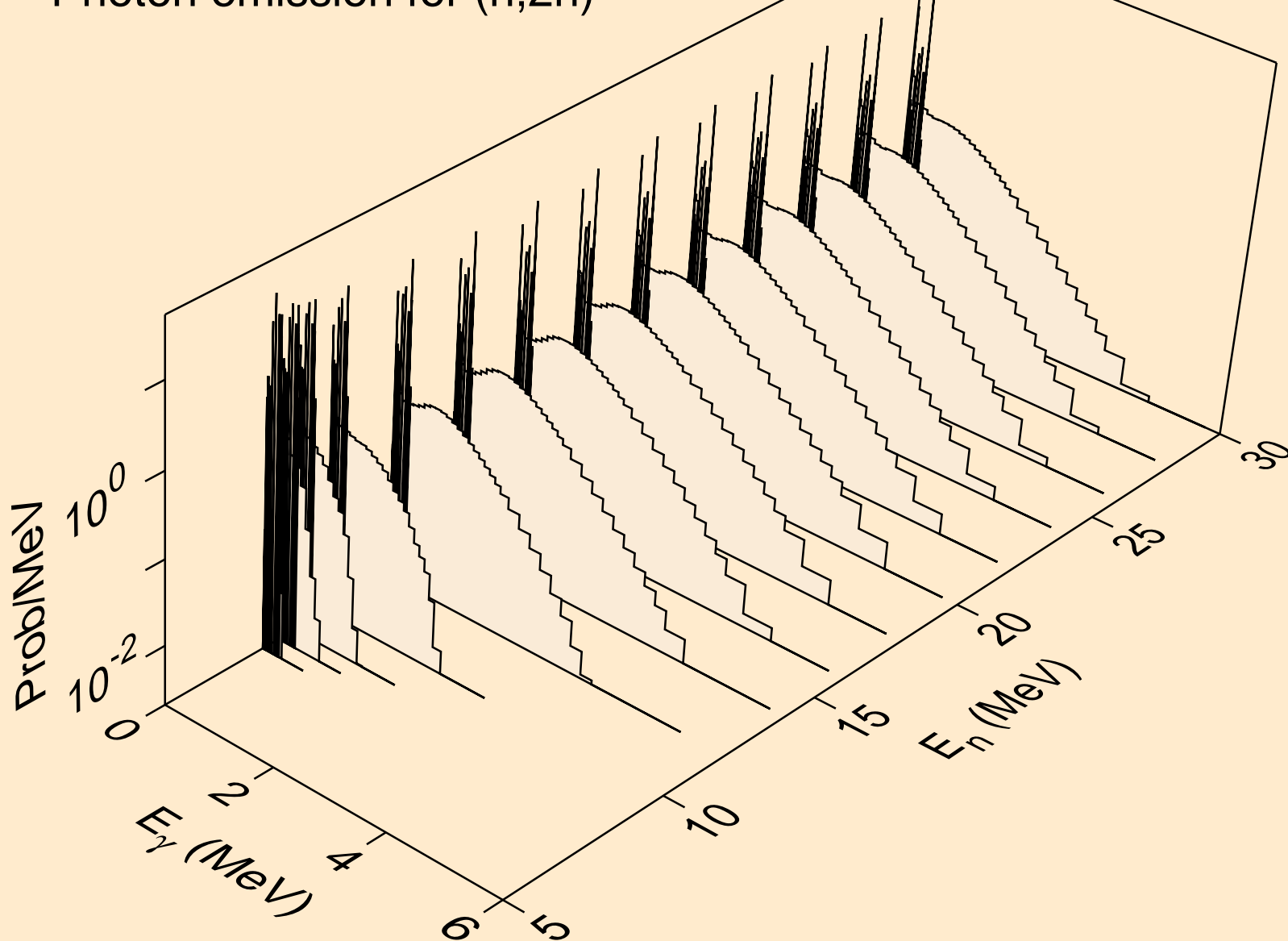
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)



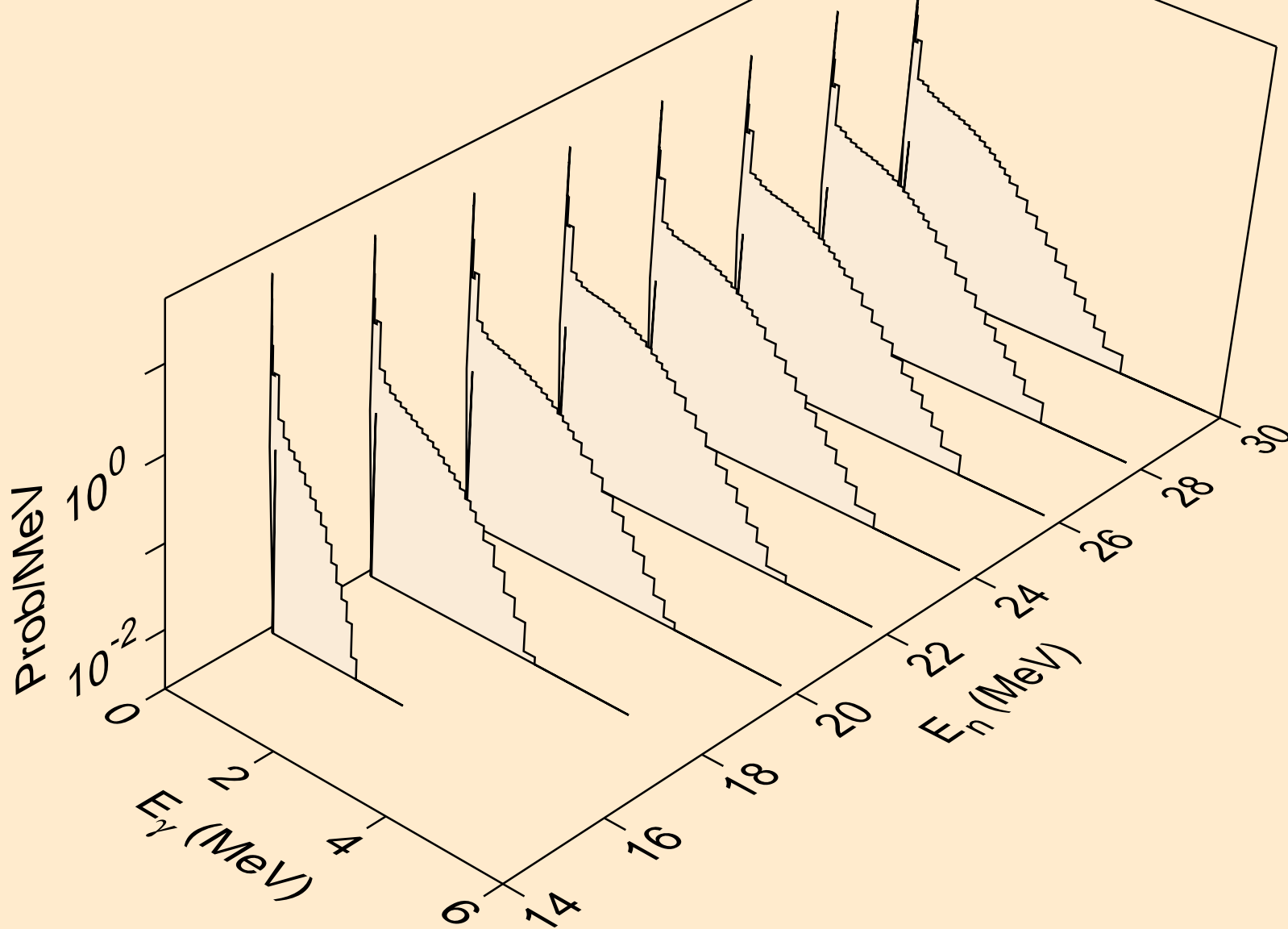
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)



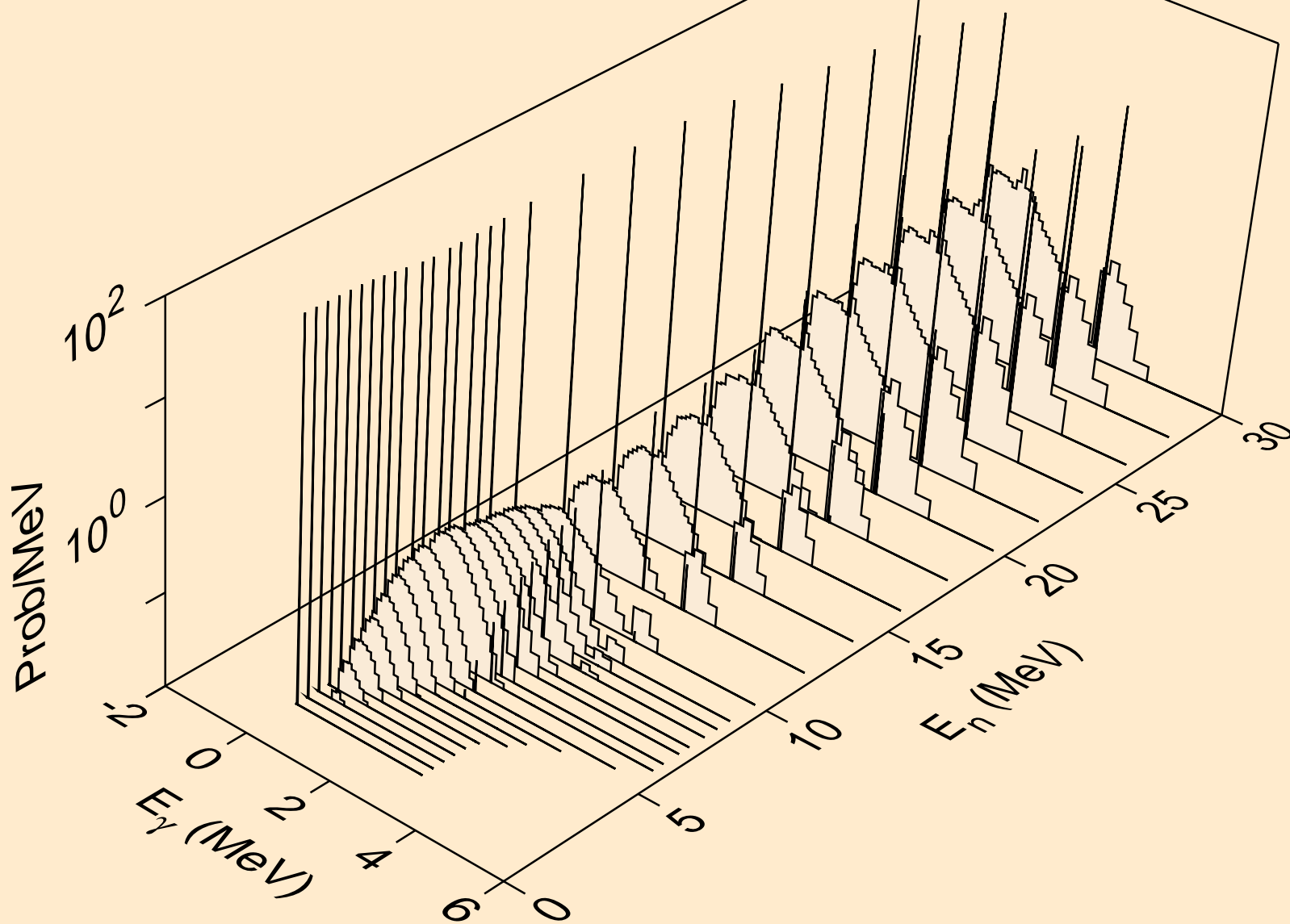
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)



CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)

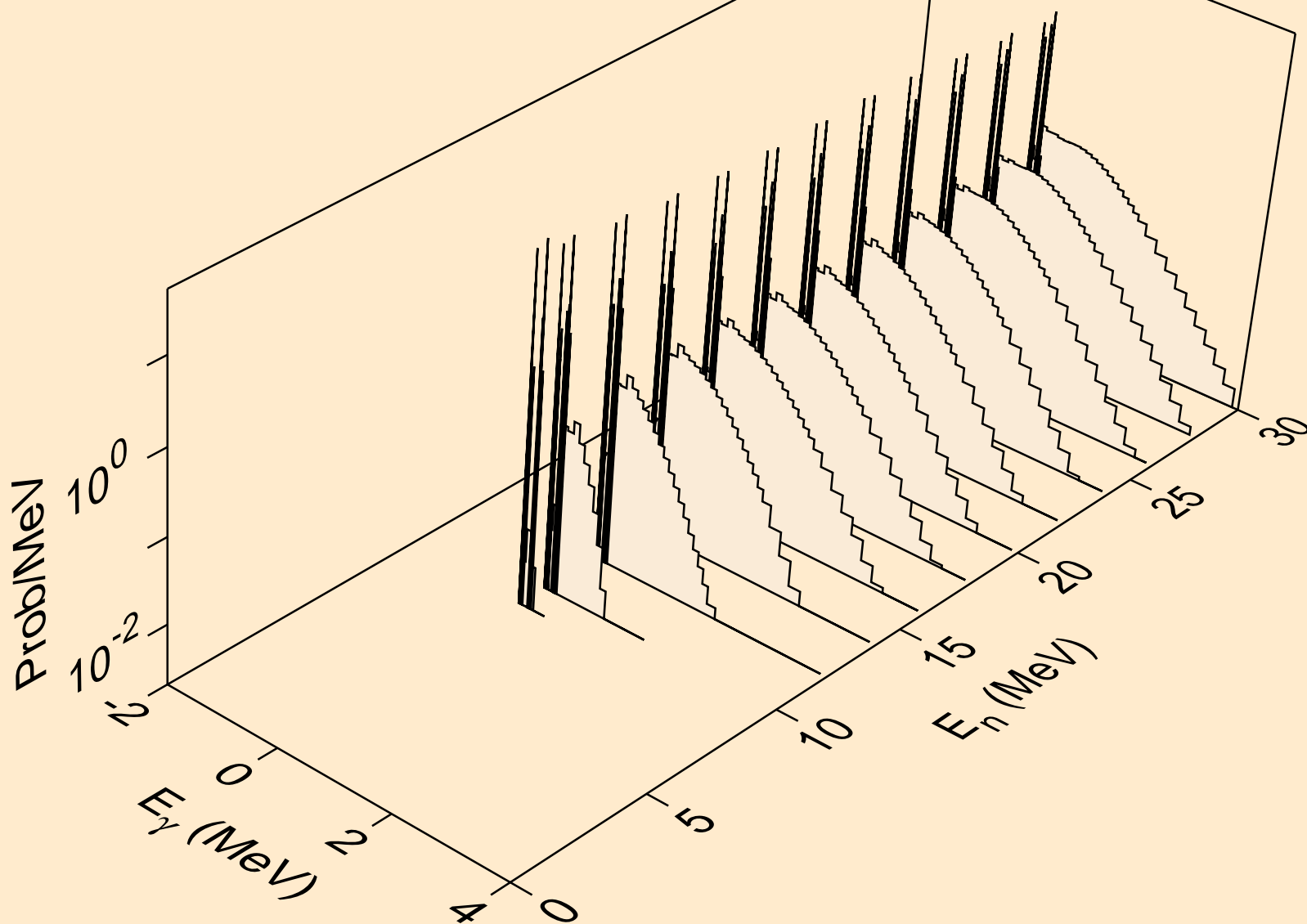


CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a

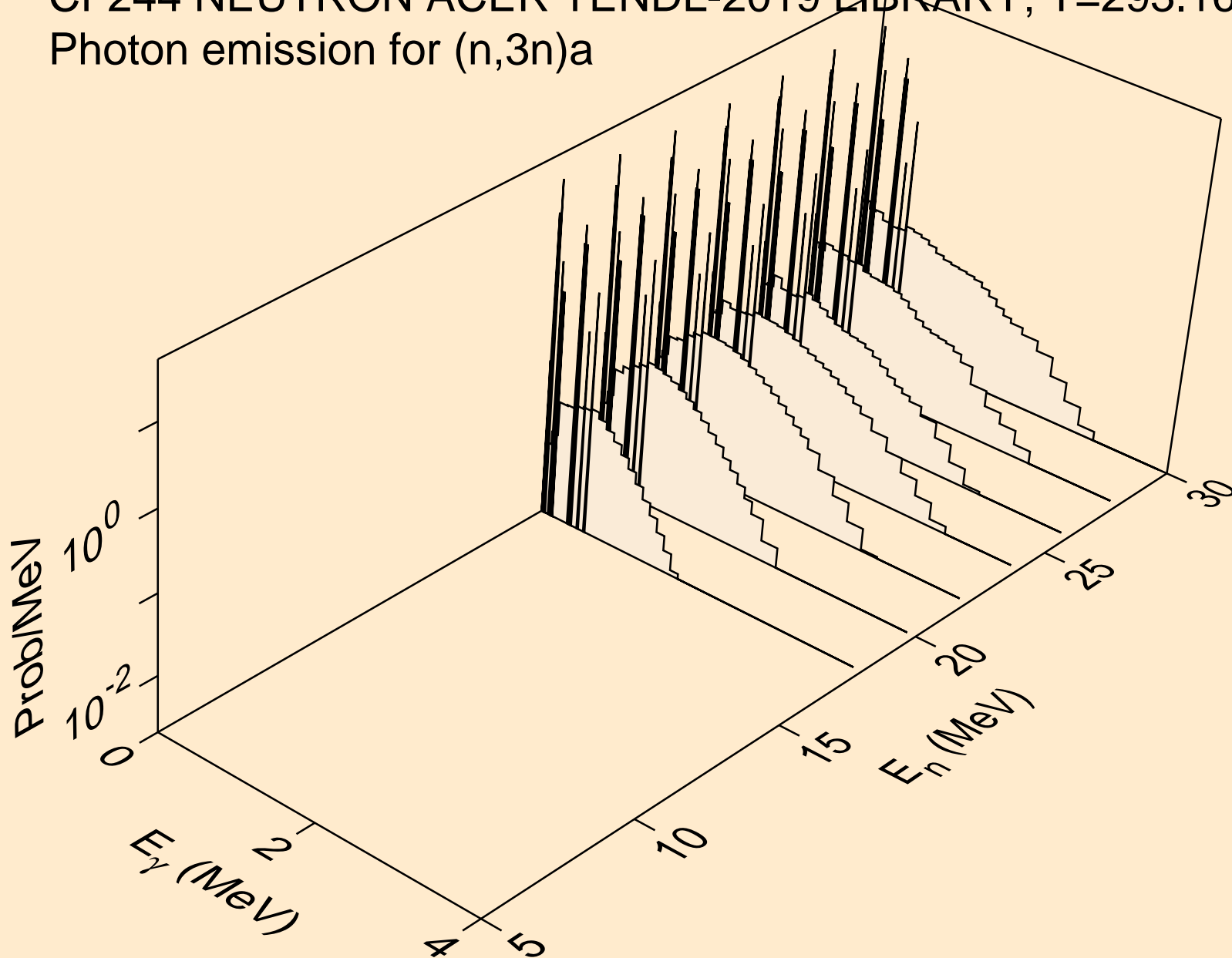




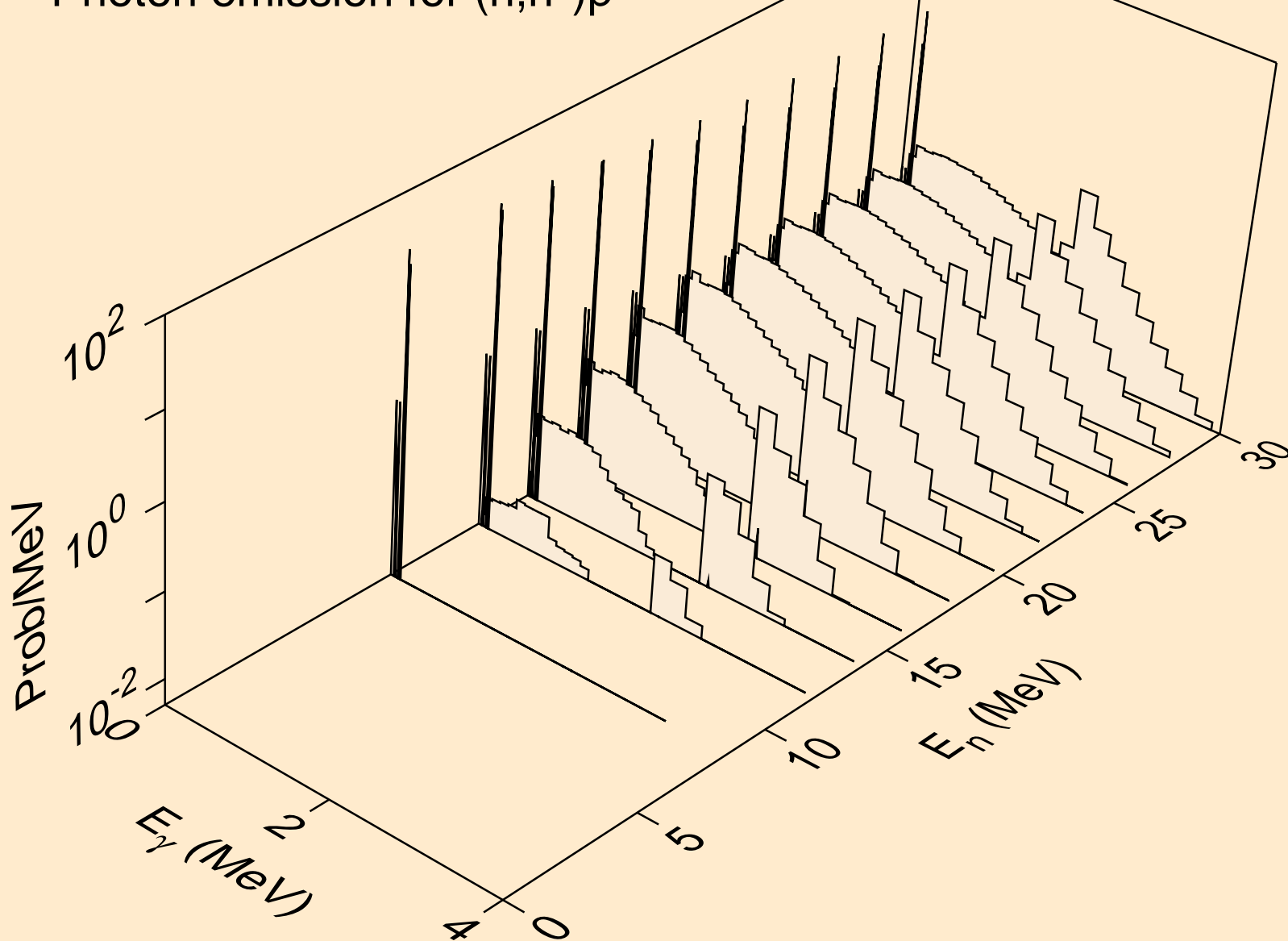
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)a



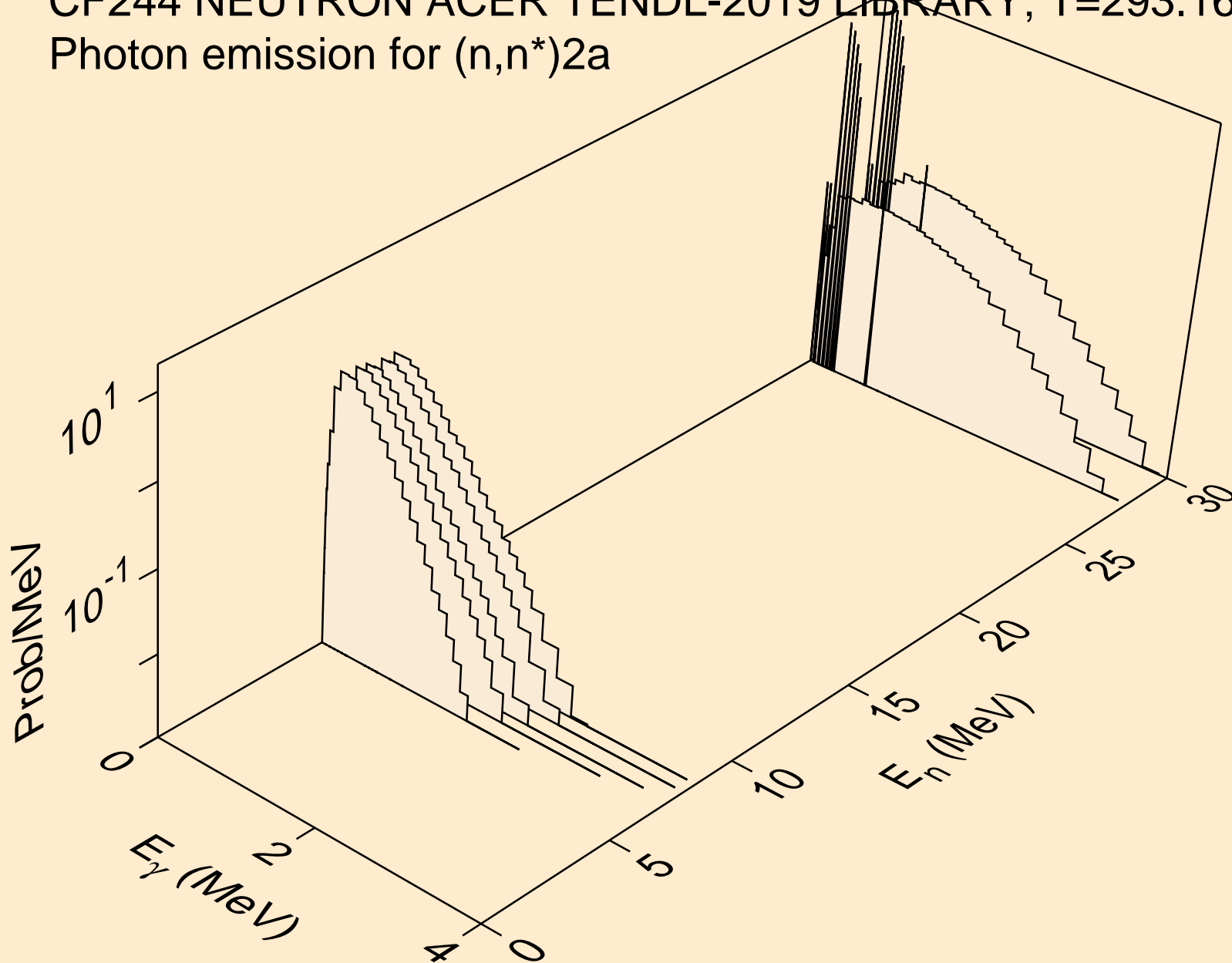
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a



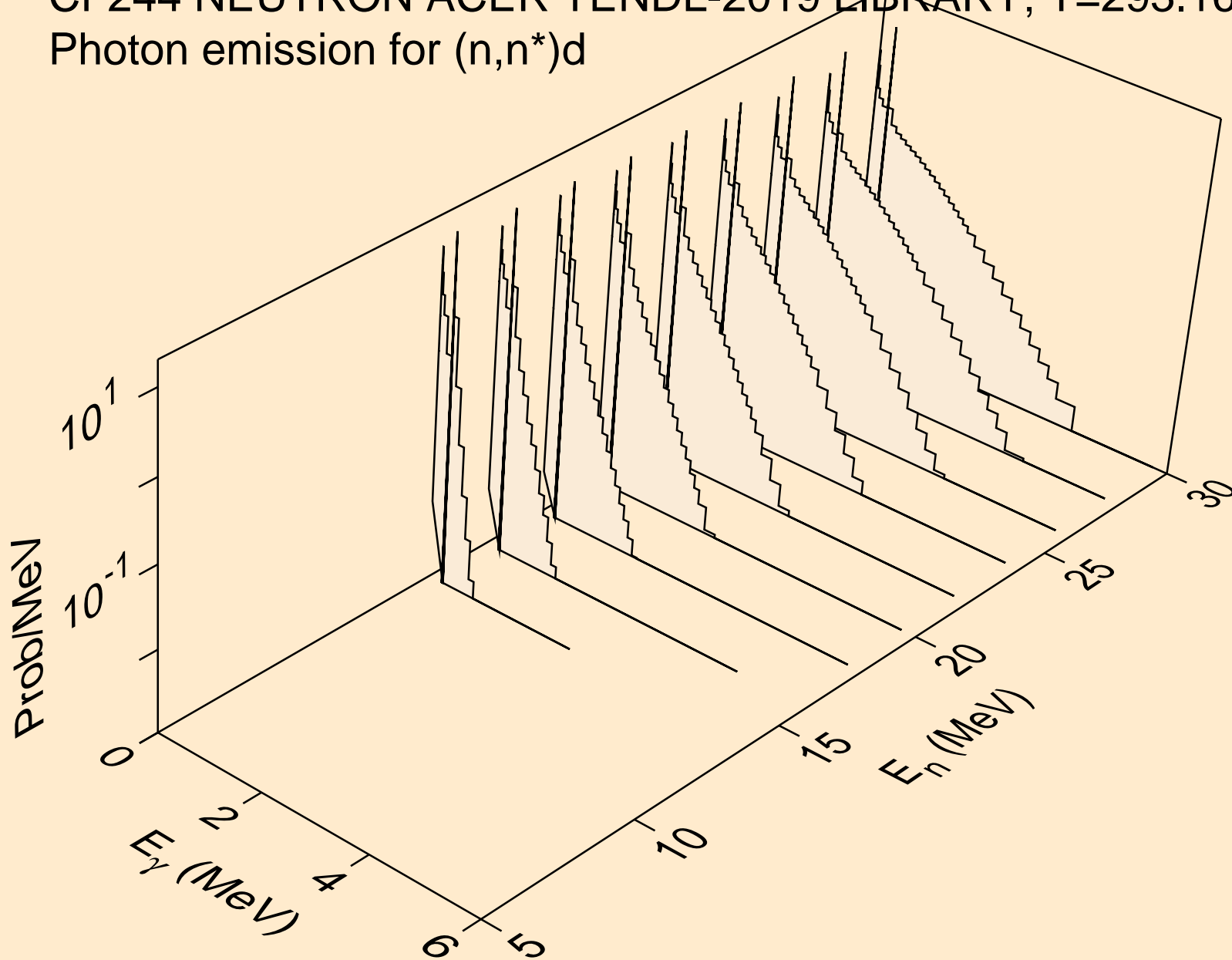
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p



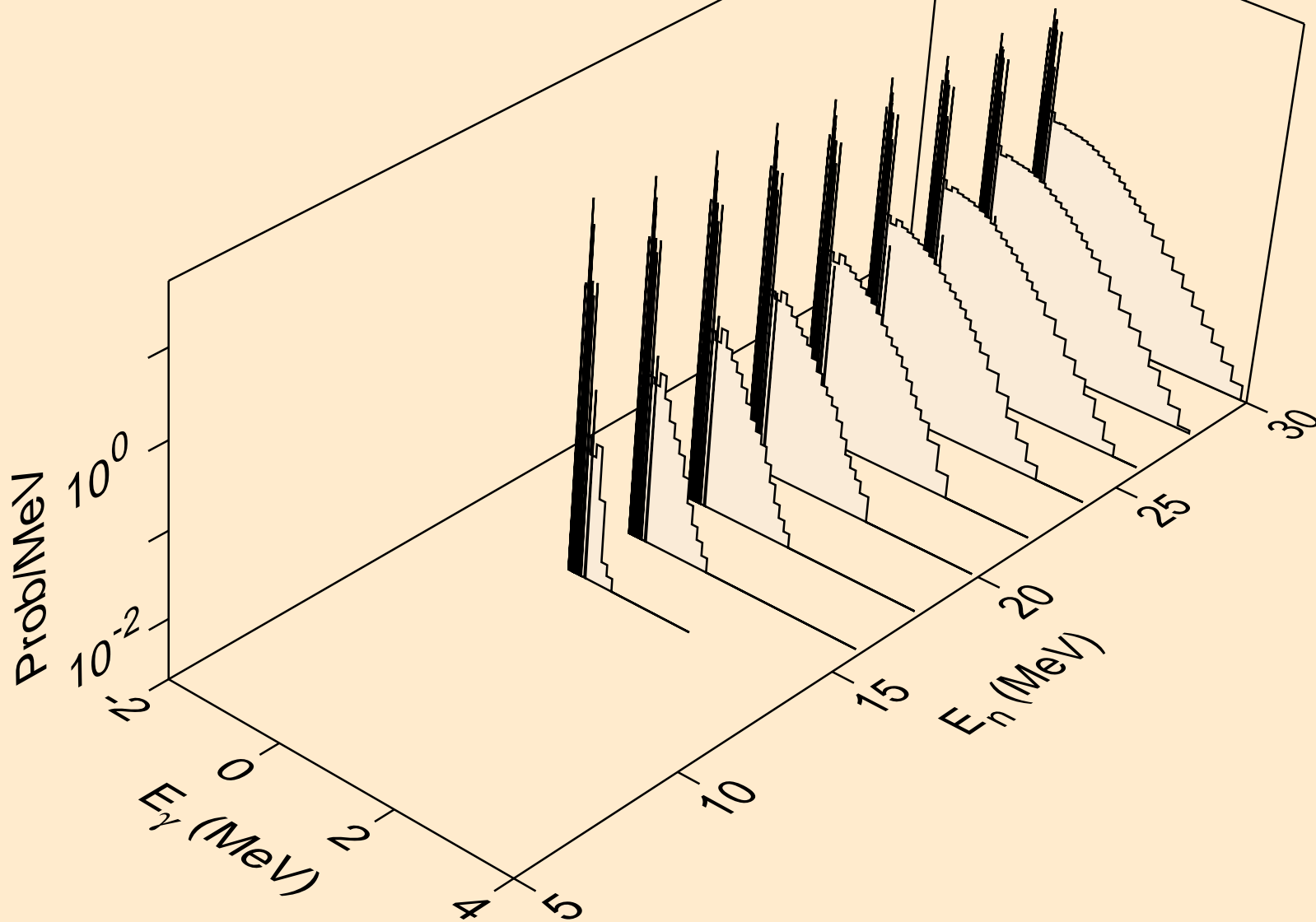
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)2a



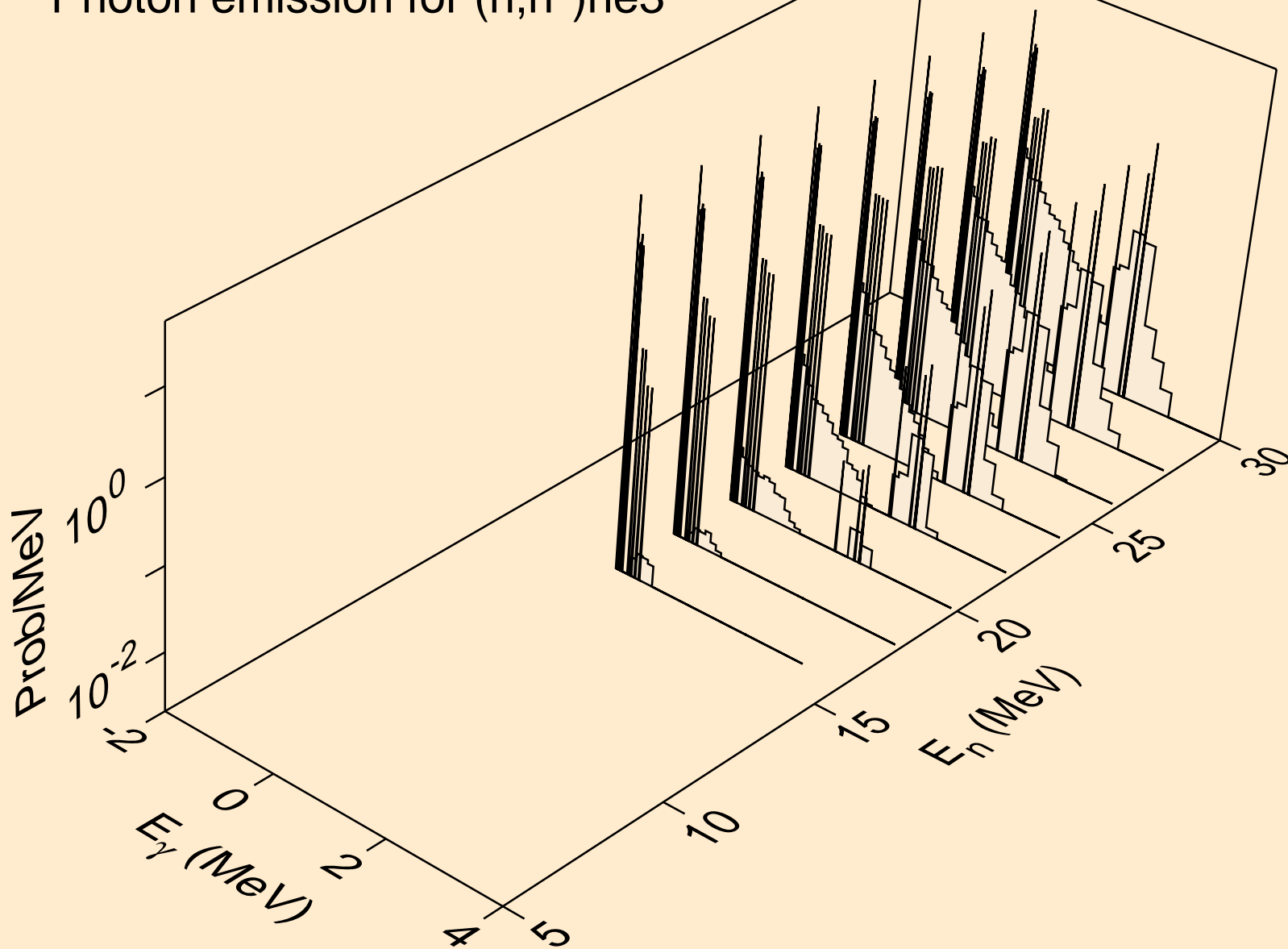
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d



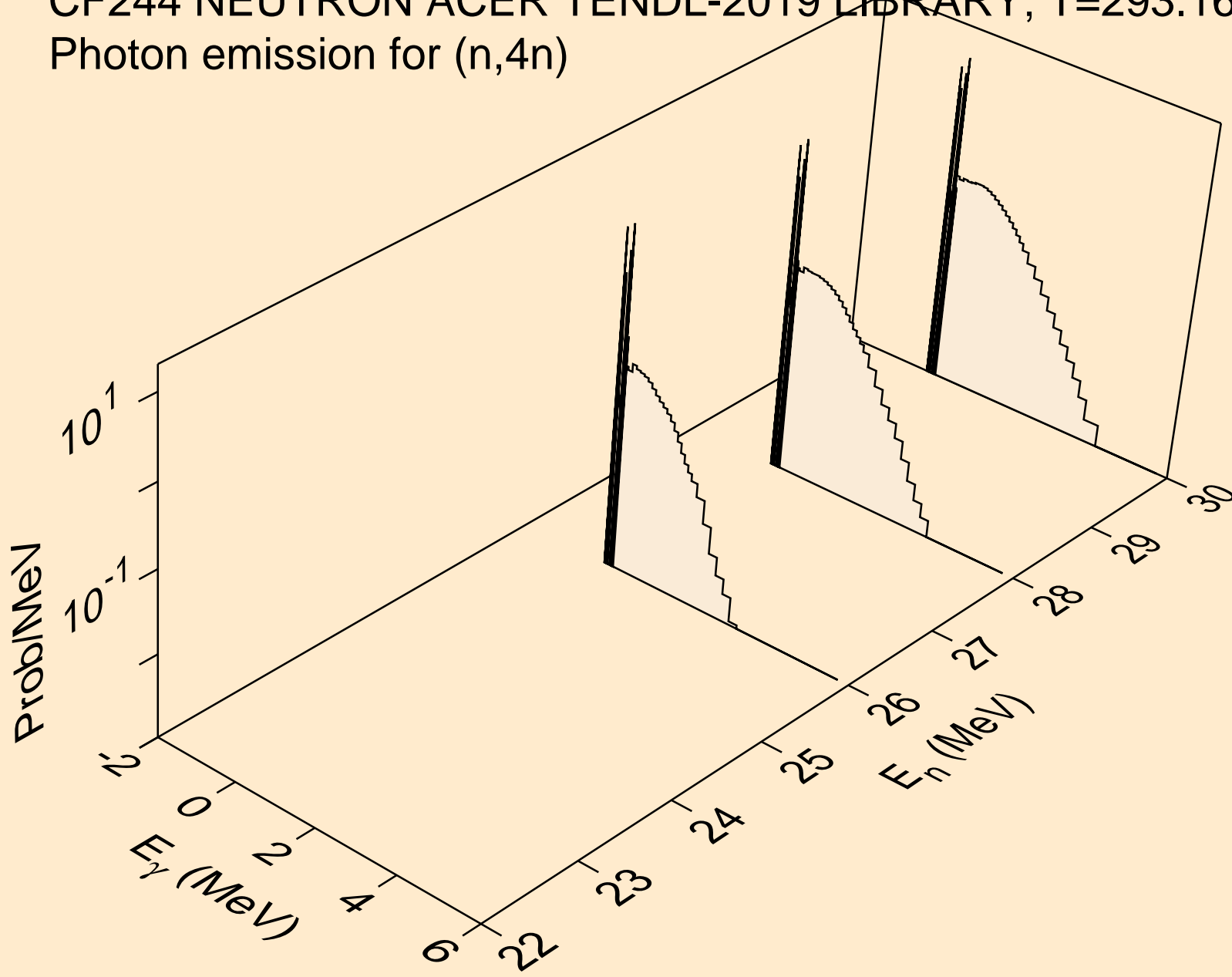
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t



CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3

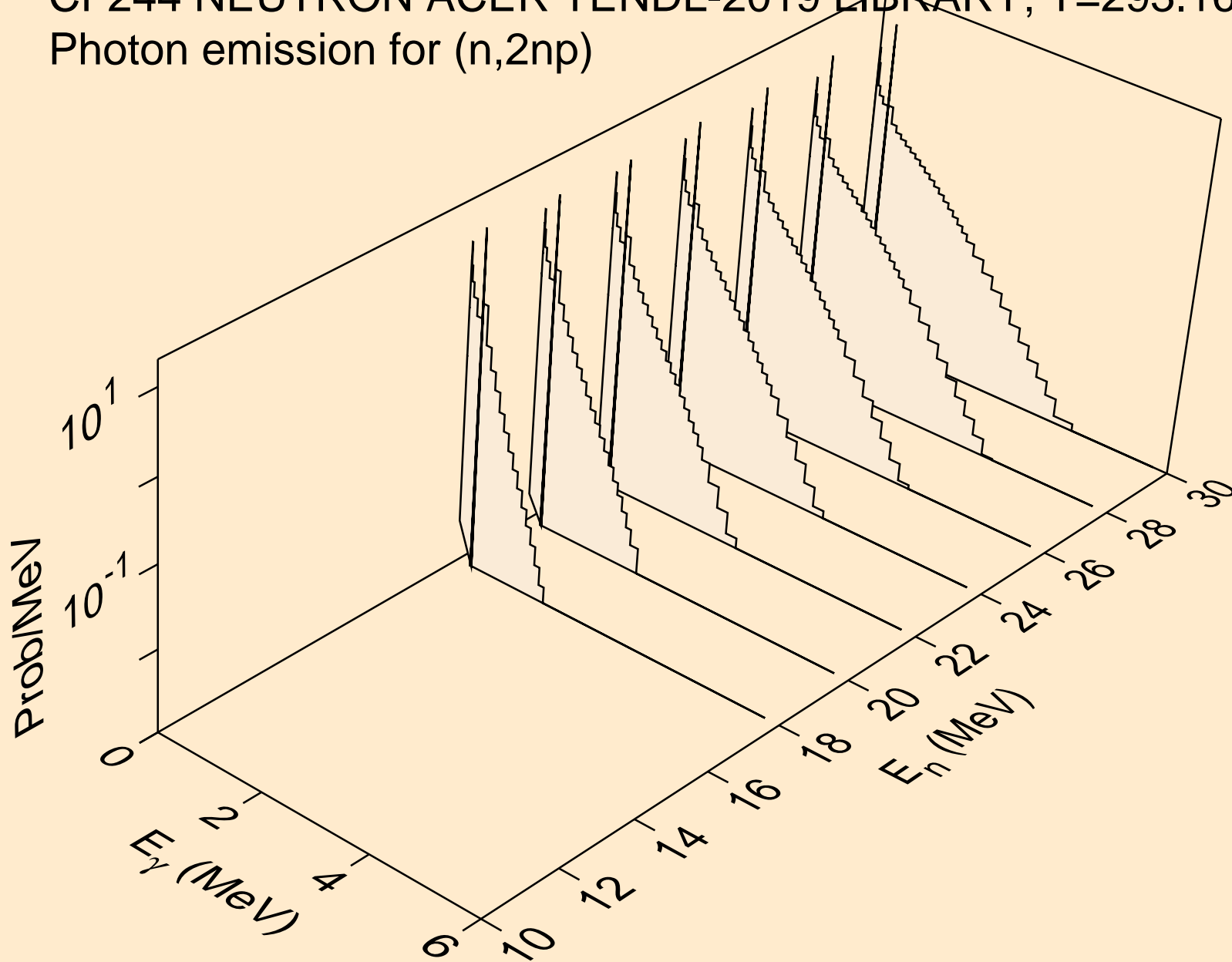


CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,4n)

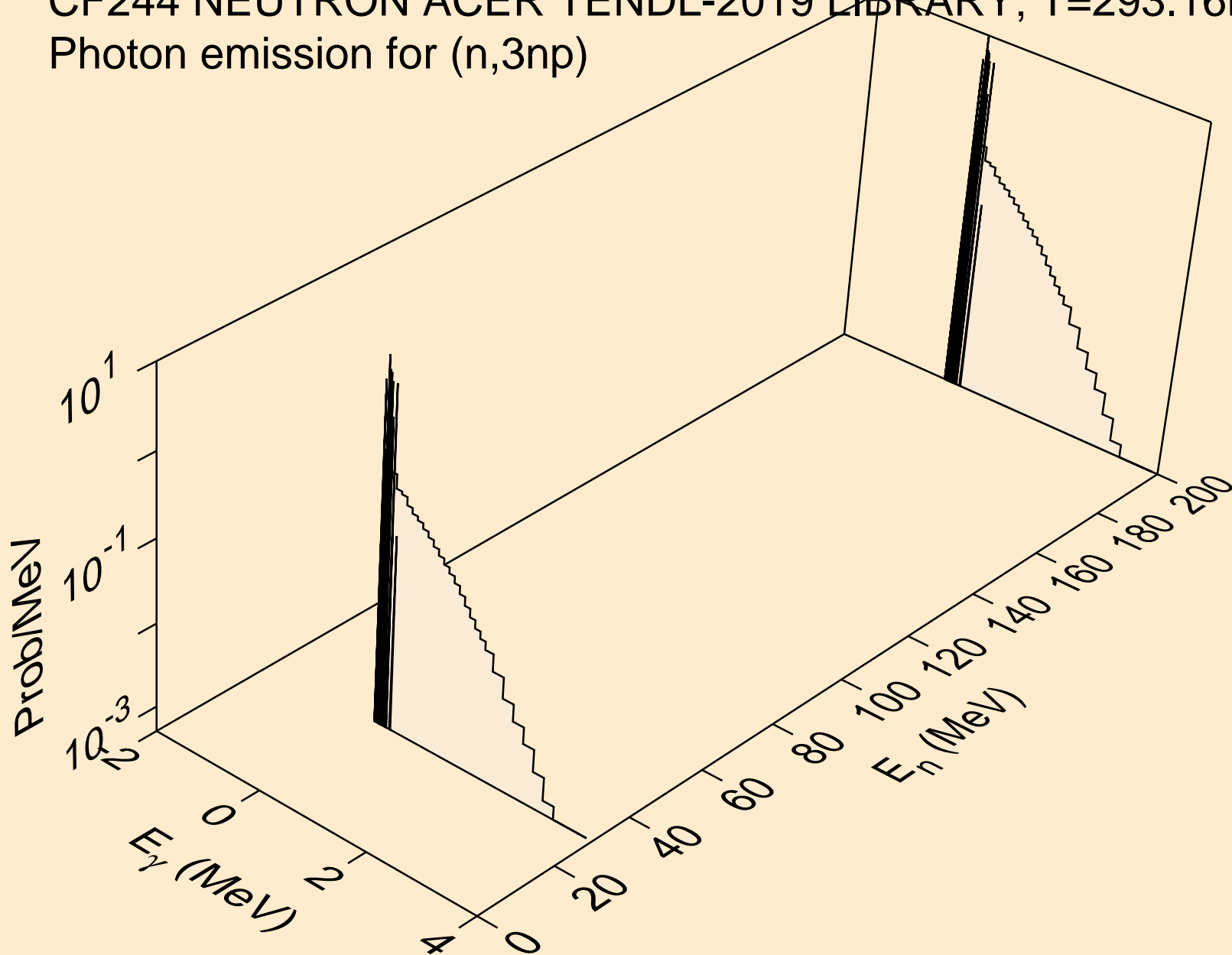




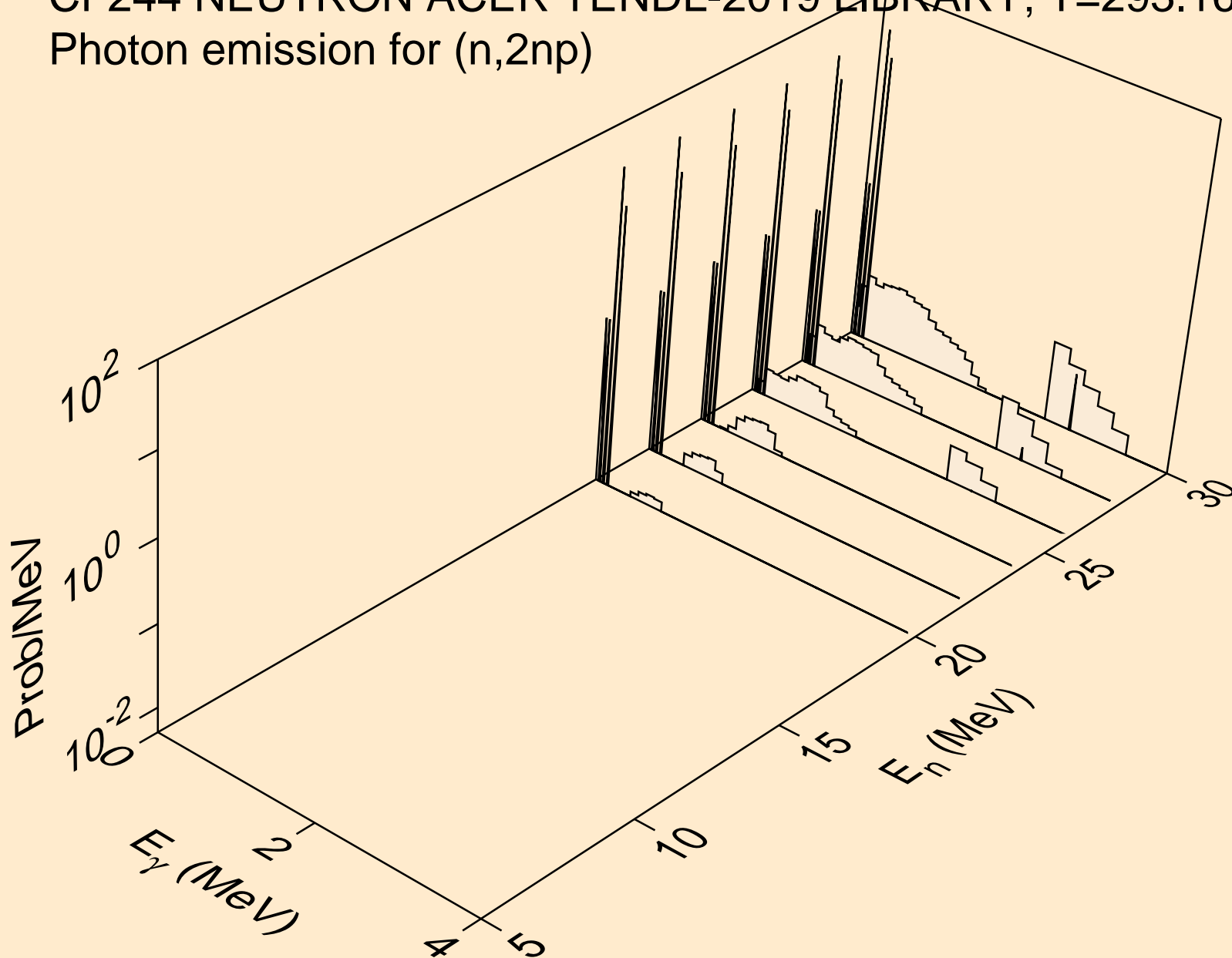
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Photon emission for (n,2np)



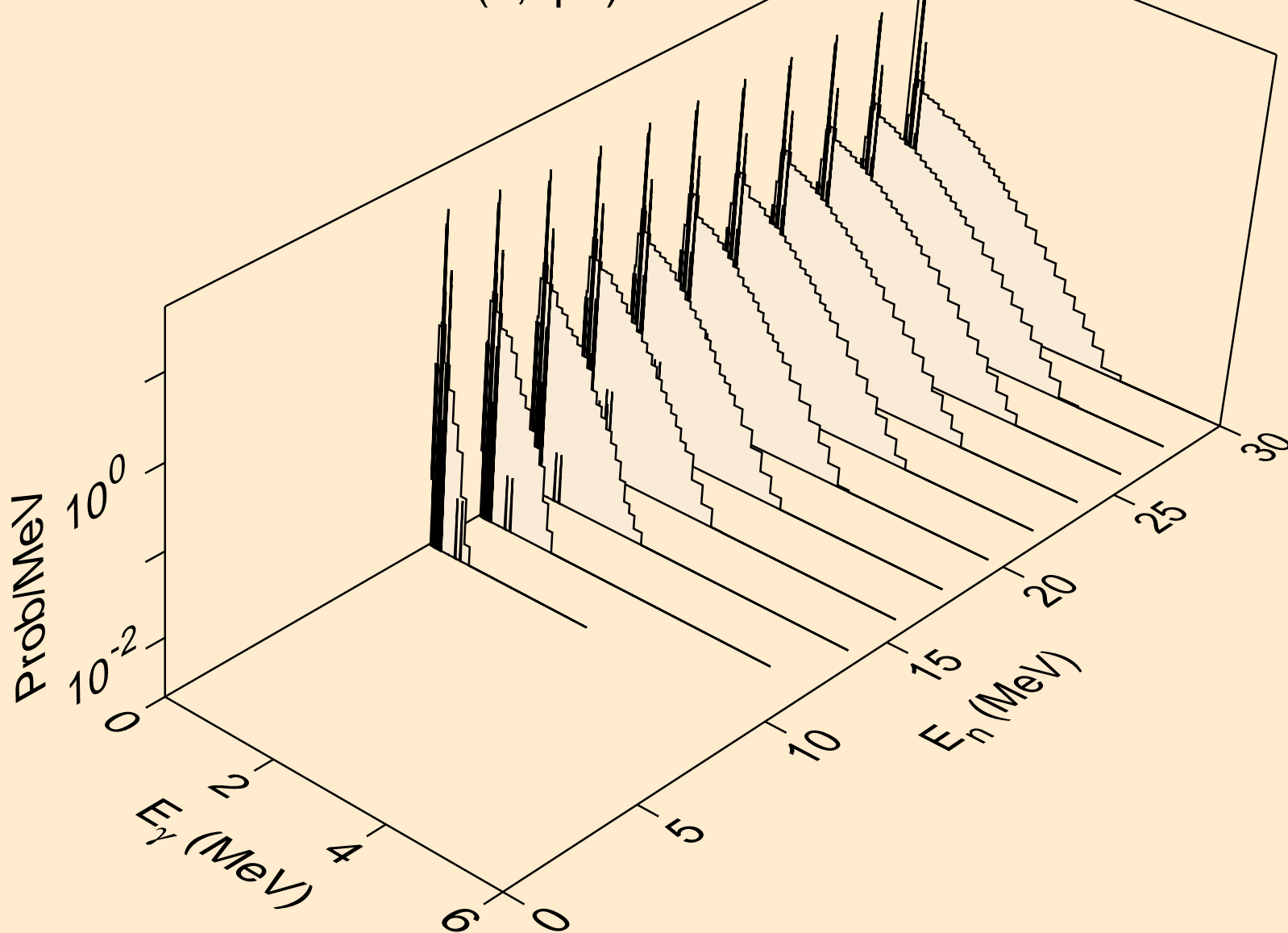
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Photon emission for (n,3np)



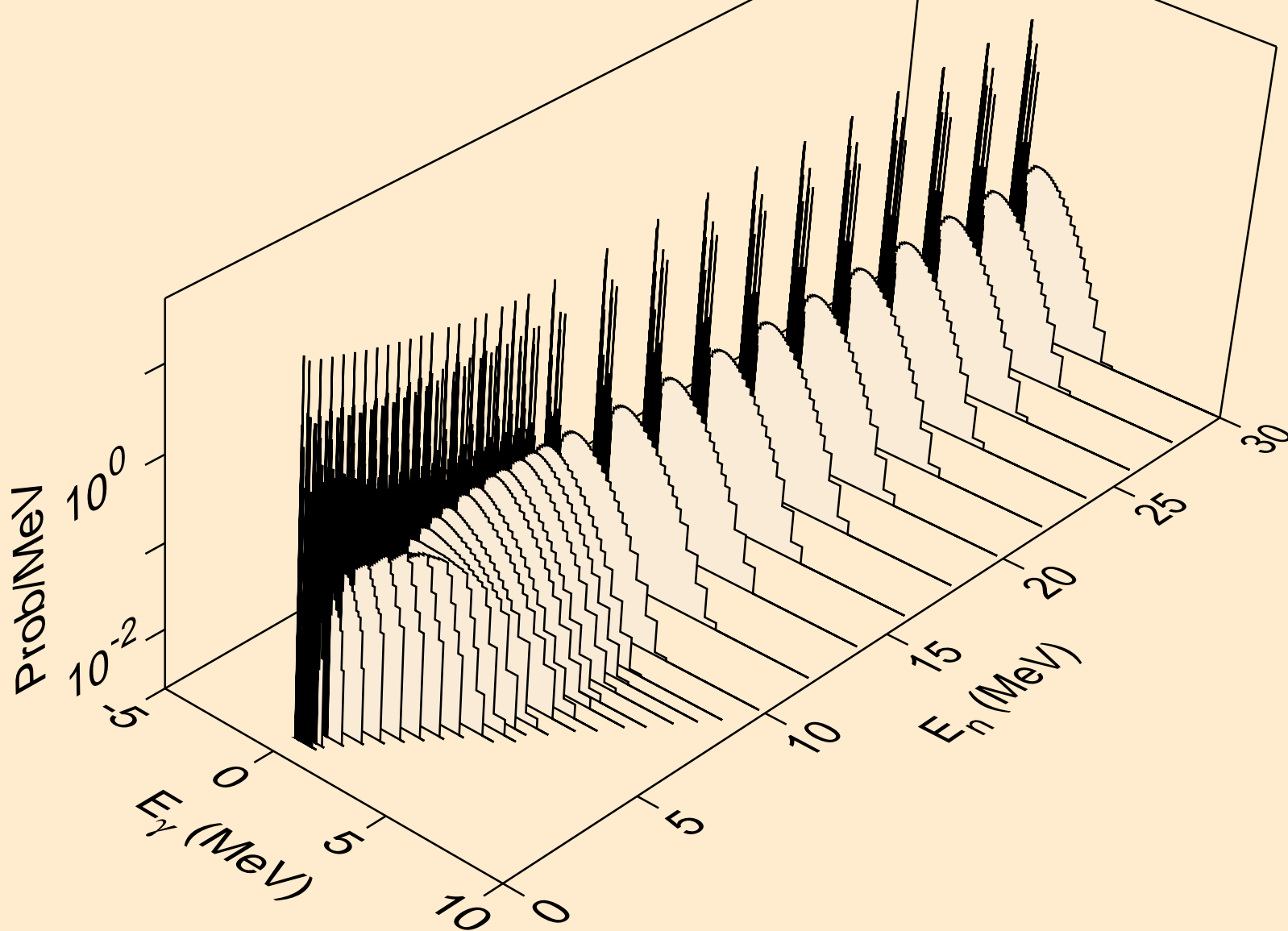
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Photon emission for (n,2np)



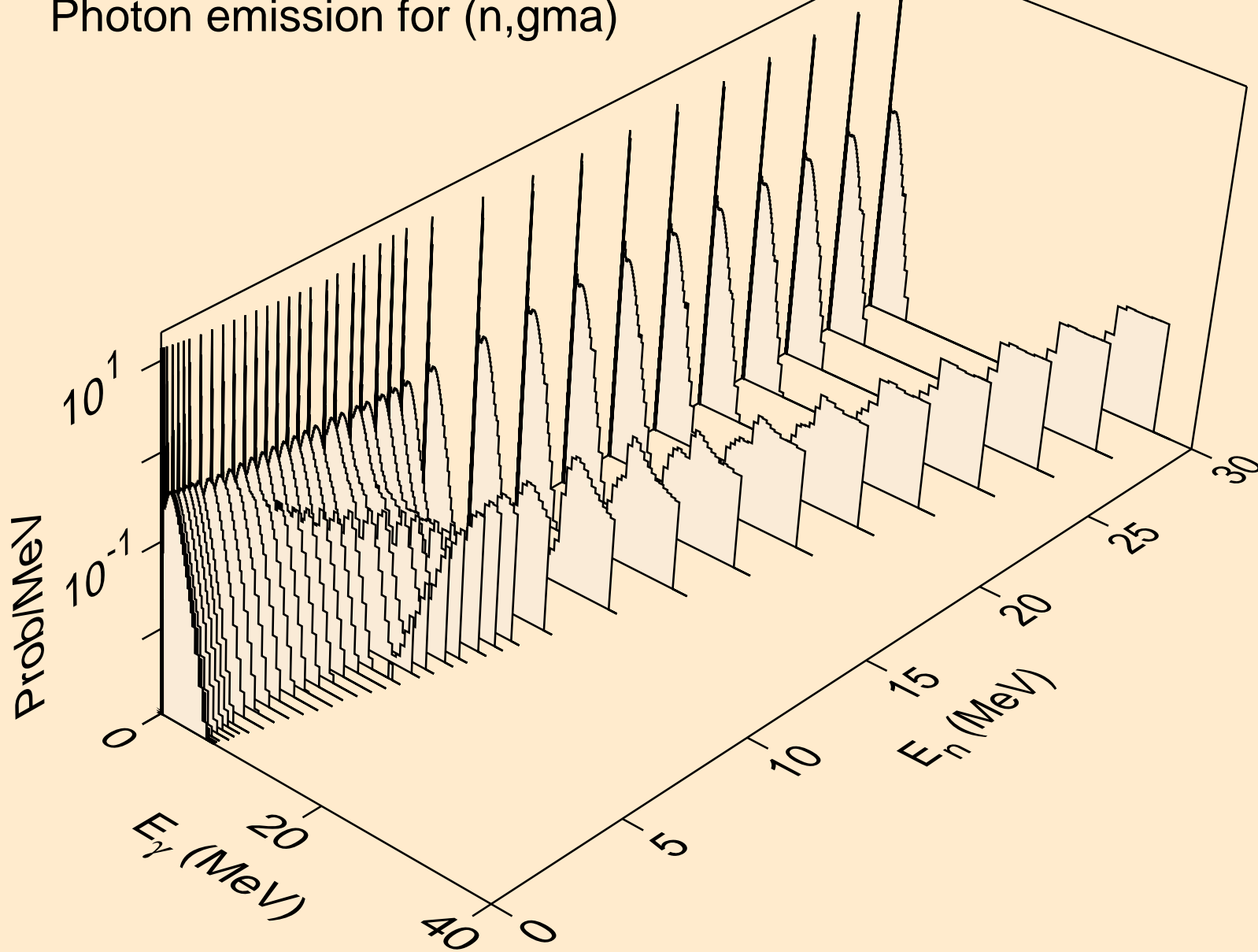
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,npa)



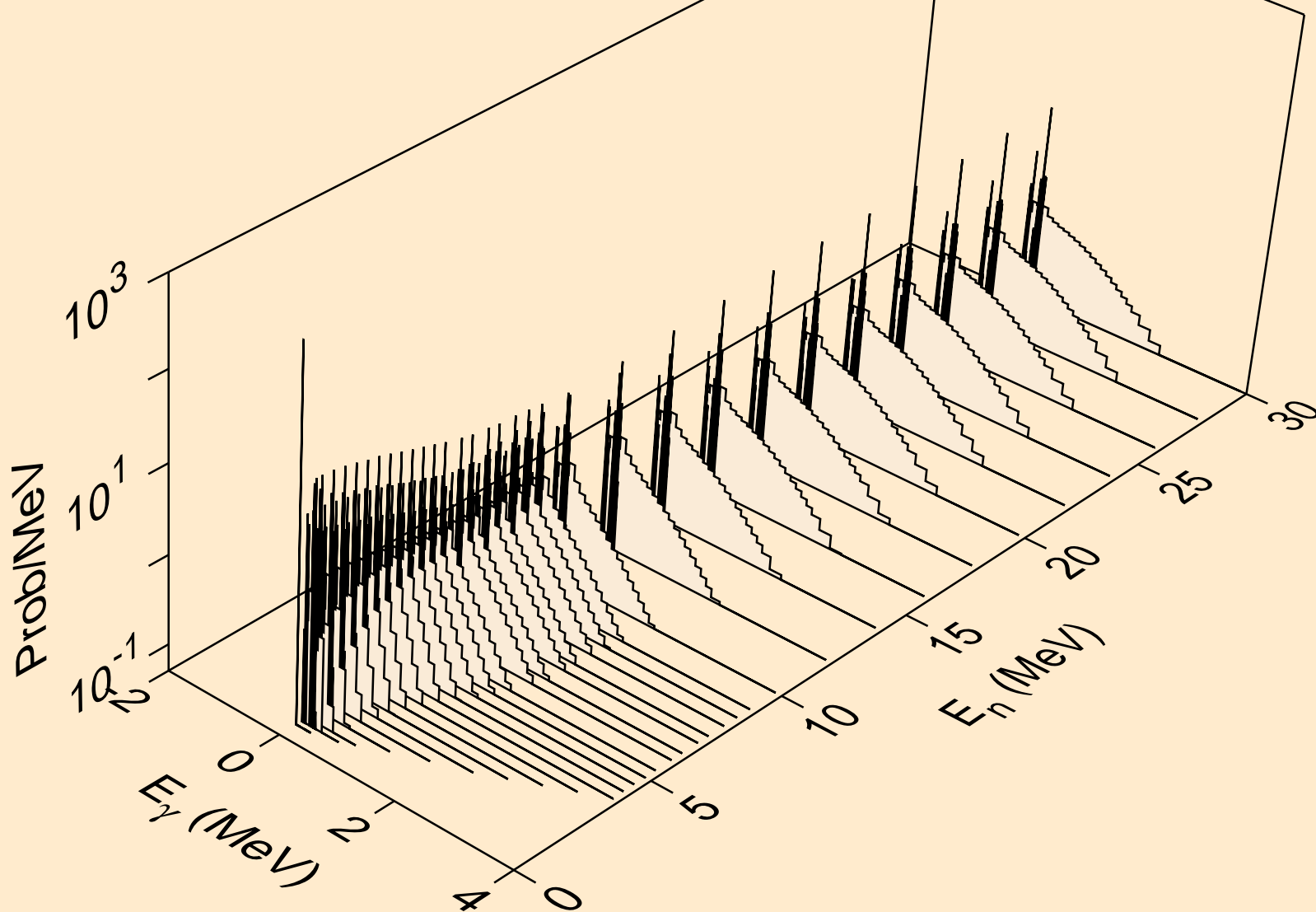
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)



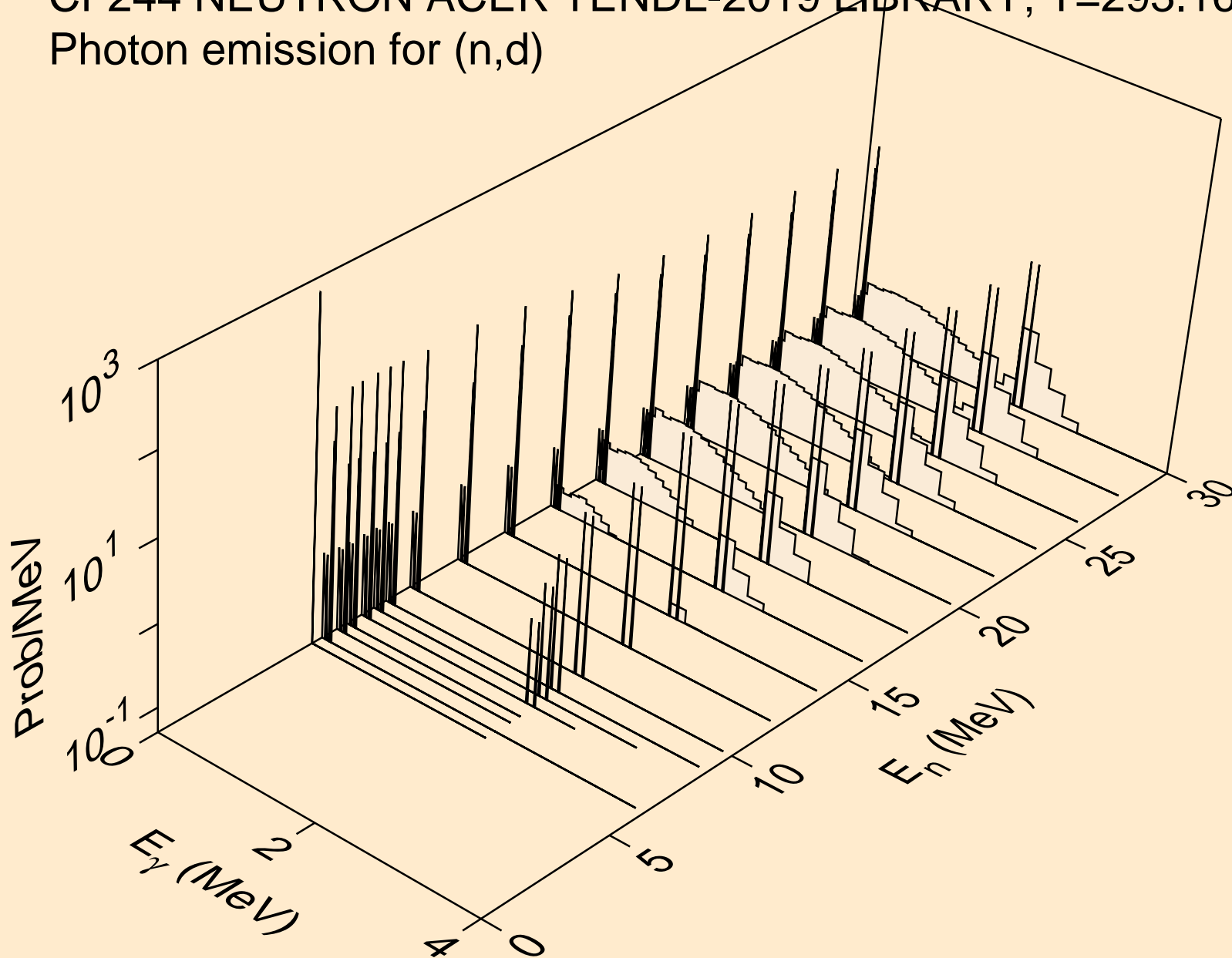
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)



CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)

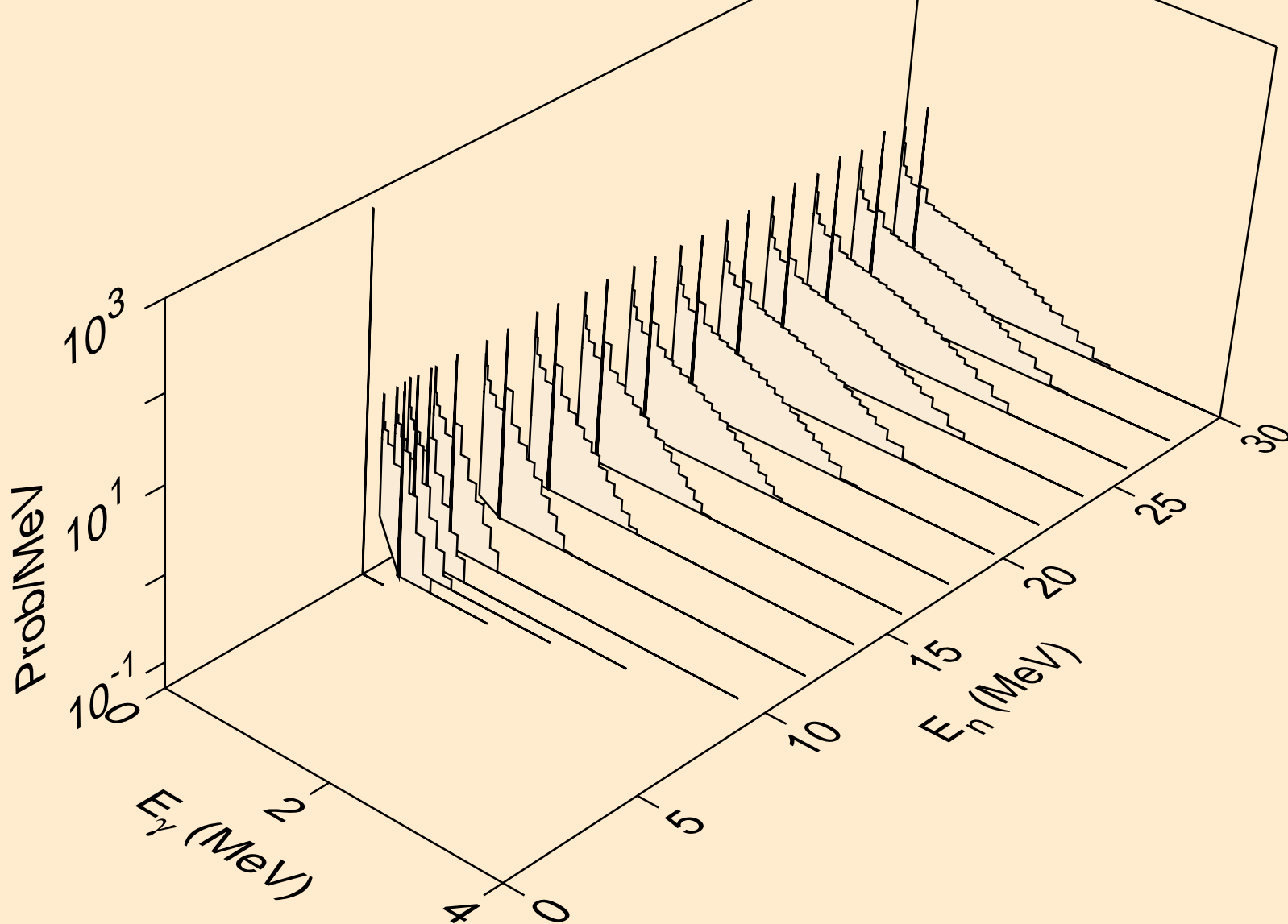


CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)

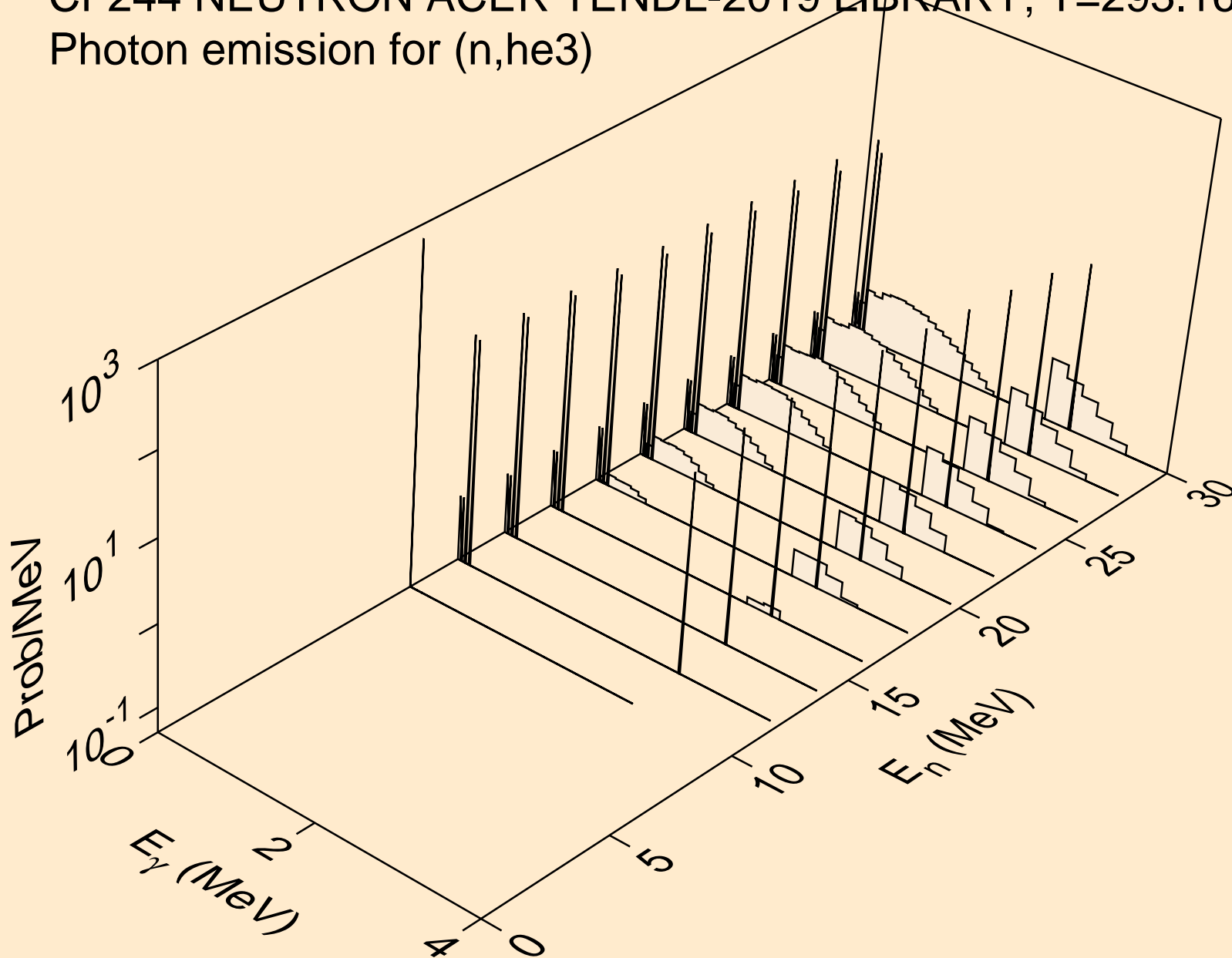




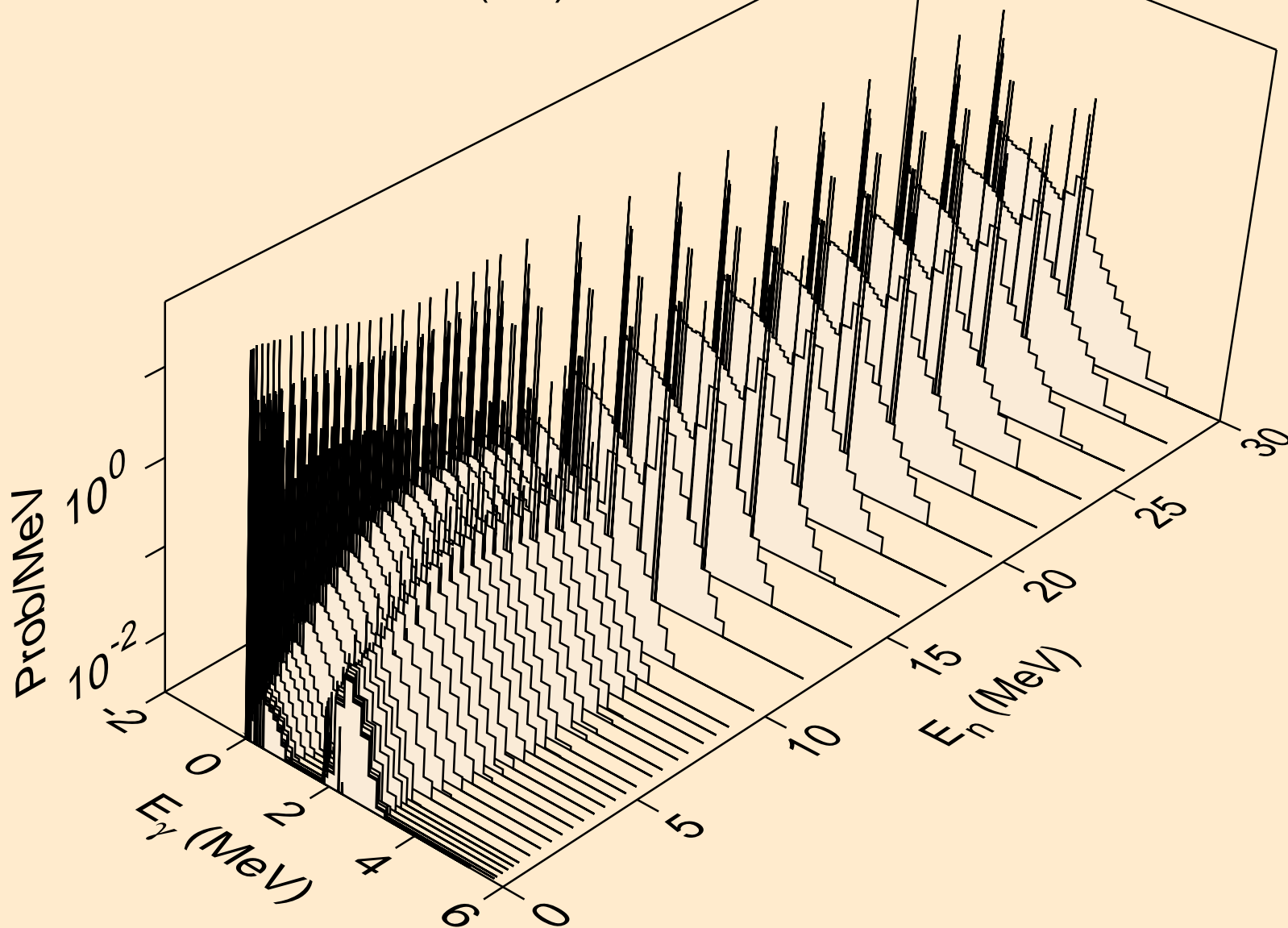
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)



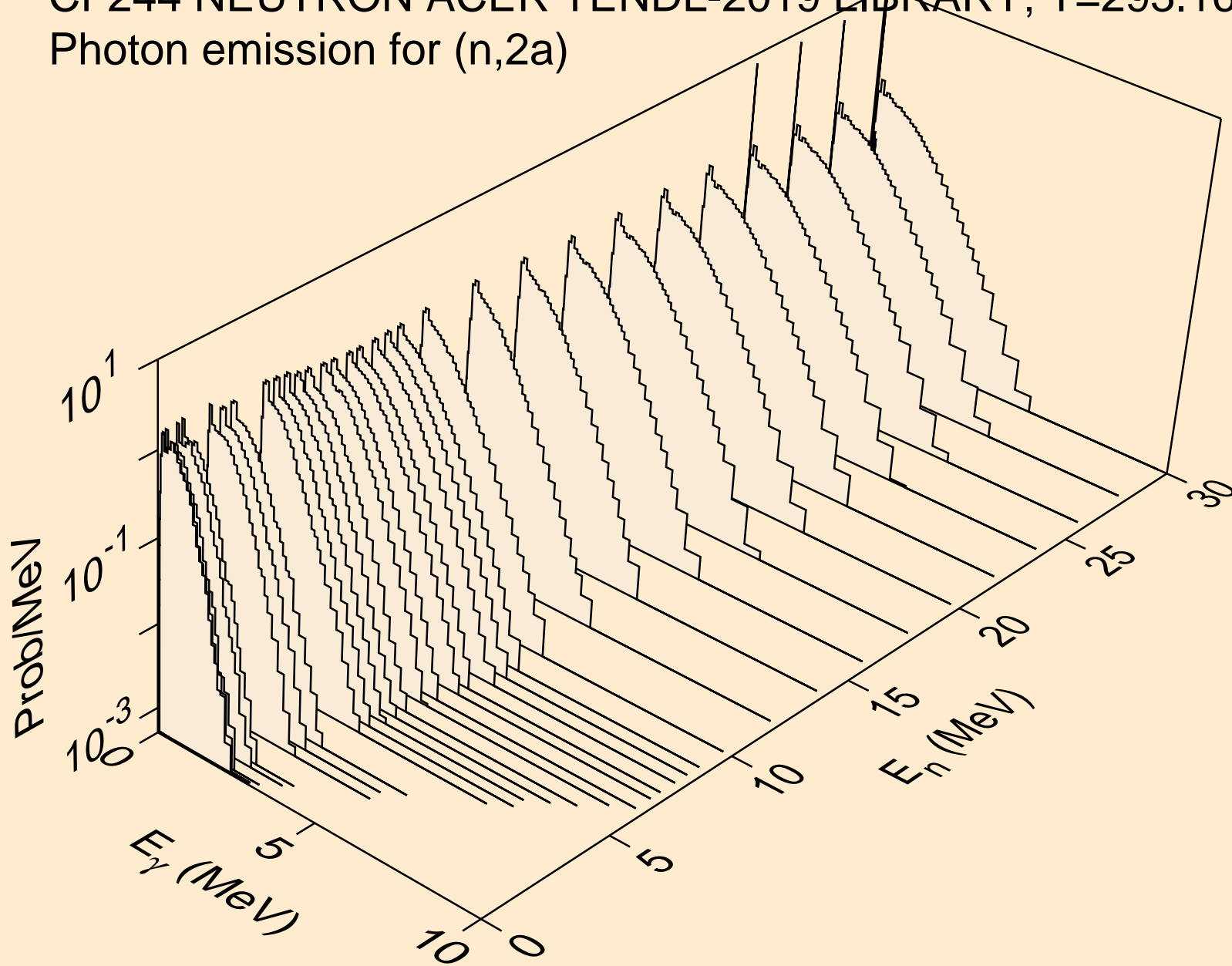
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)



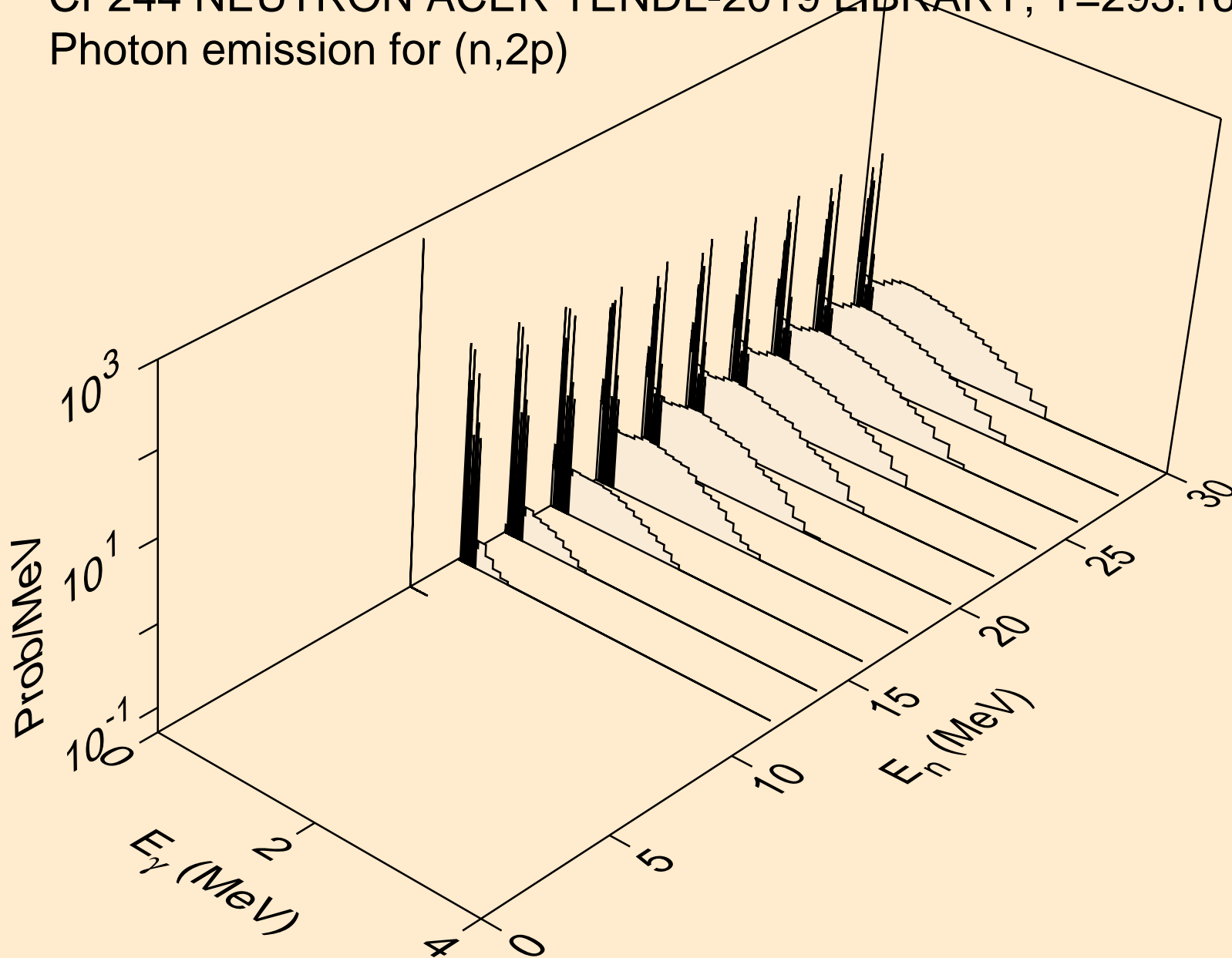
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)



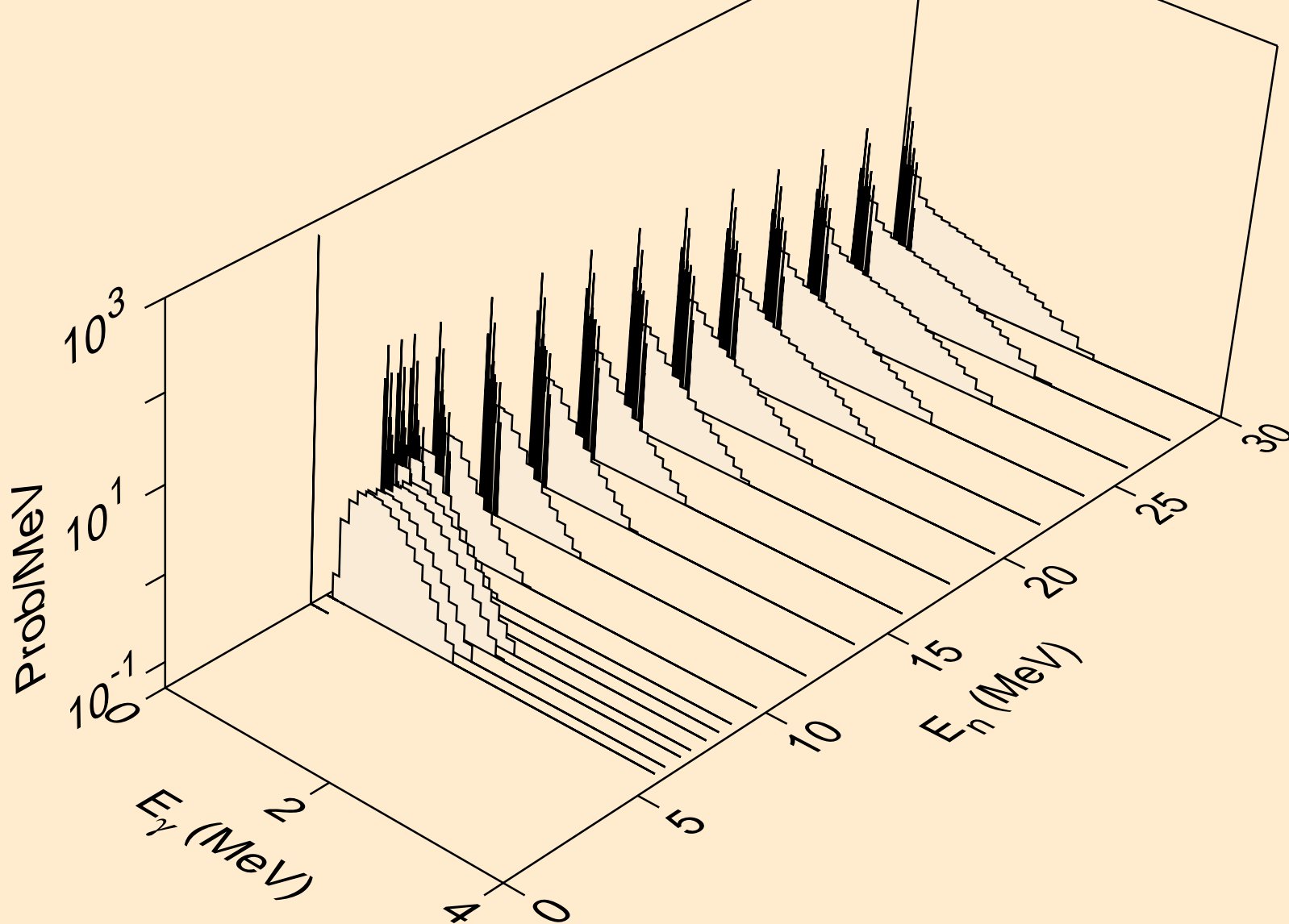
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Photon emission for (n,2a)



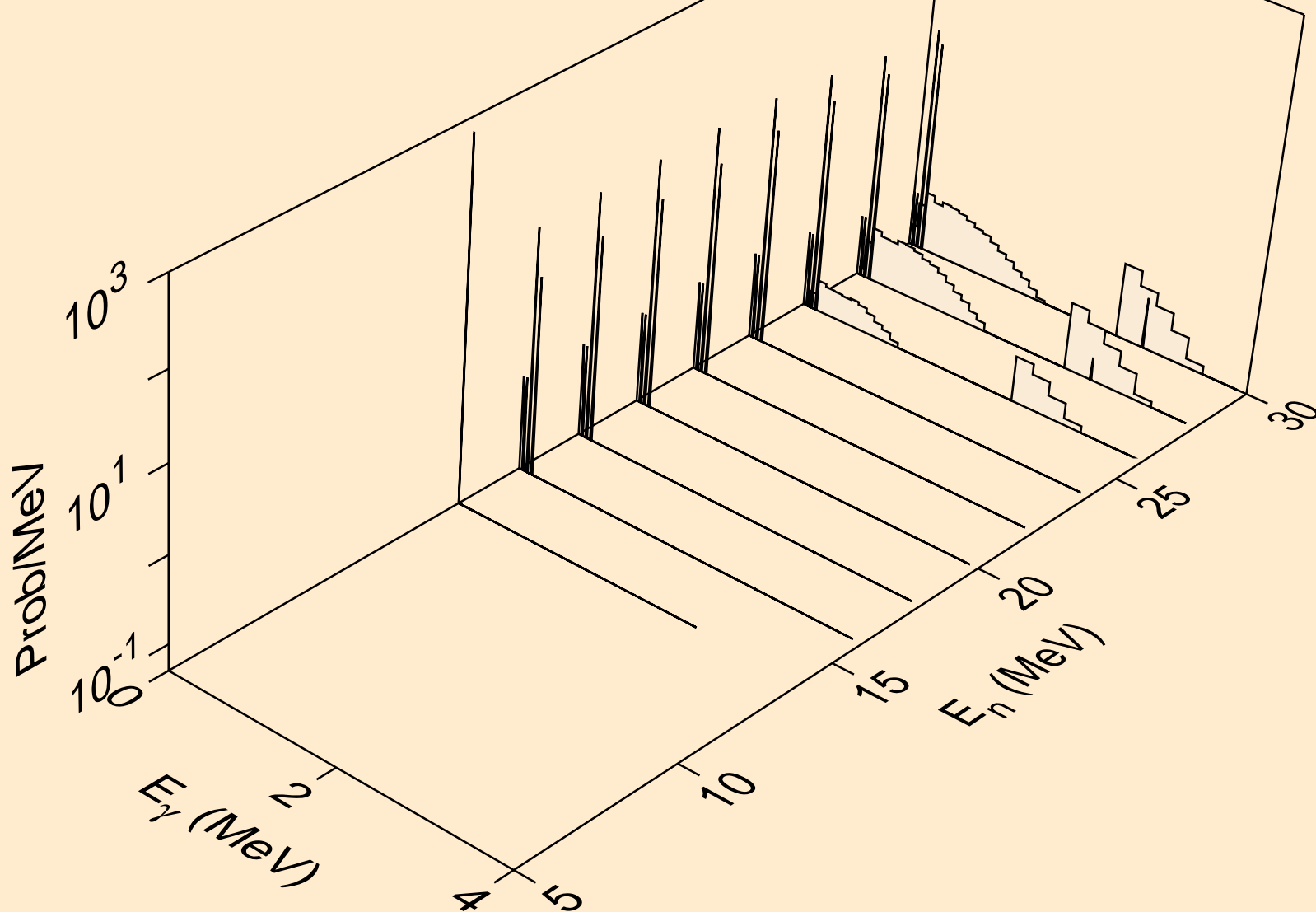
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)



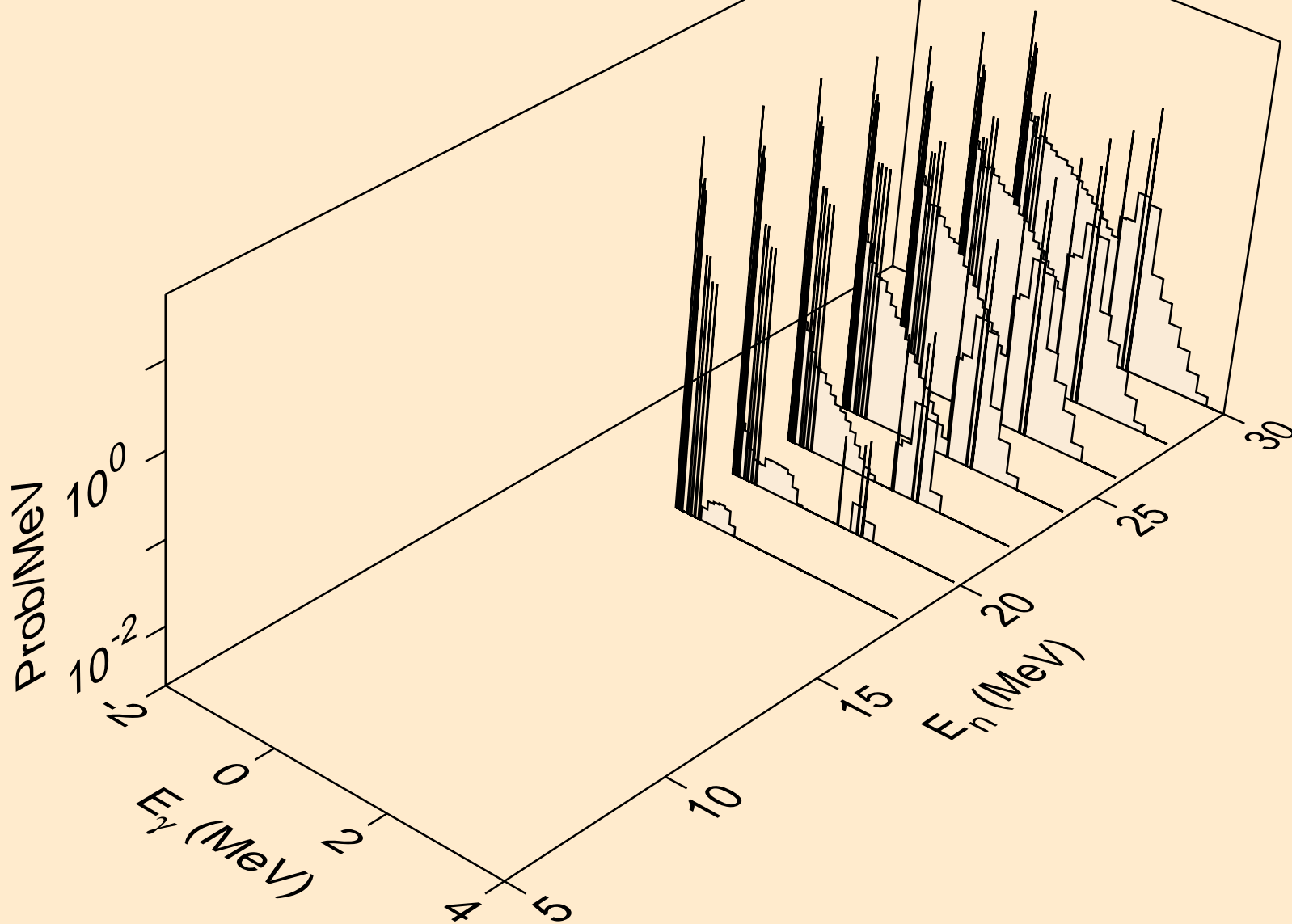
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p $\alpha$ )



CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pd)

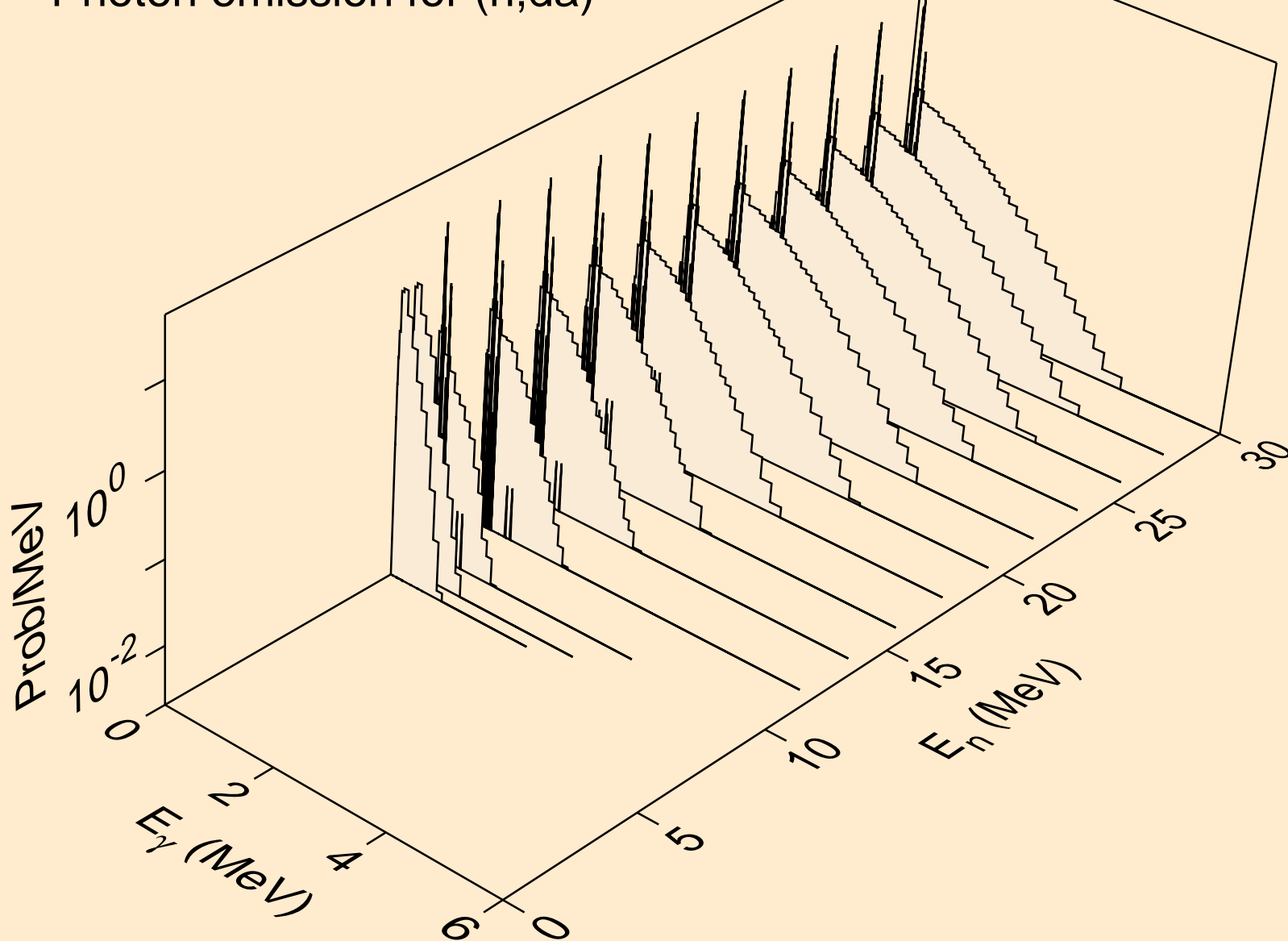


CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pt)

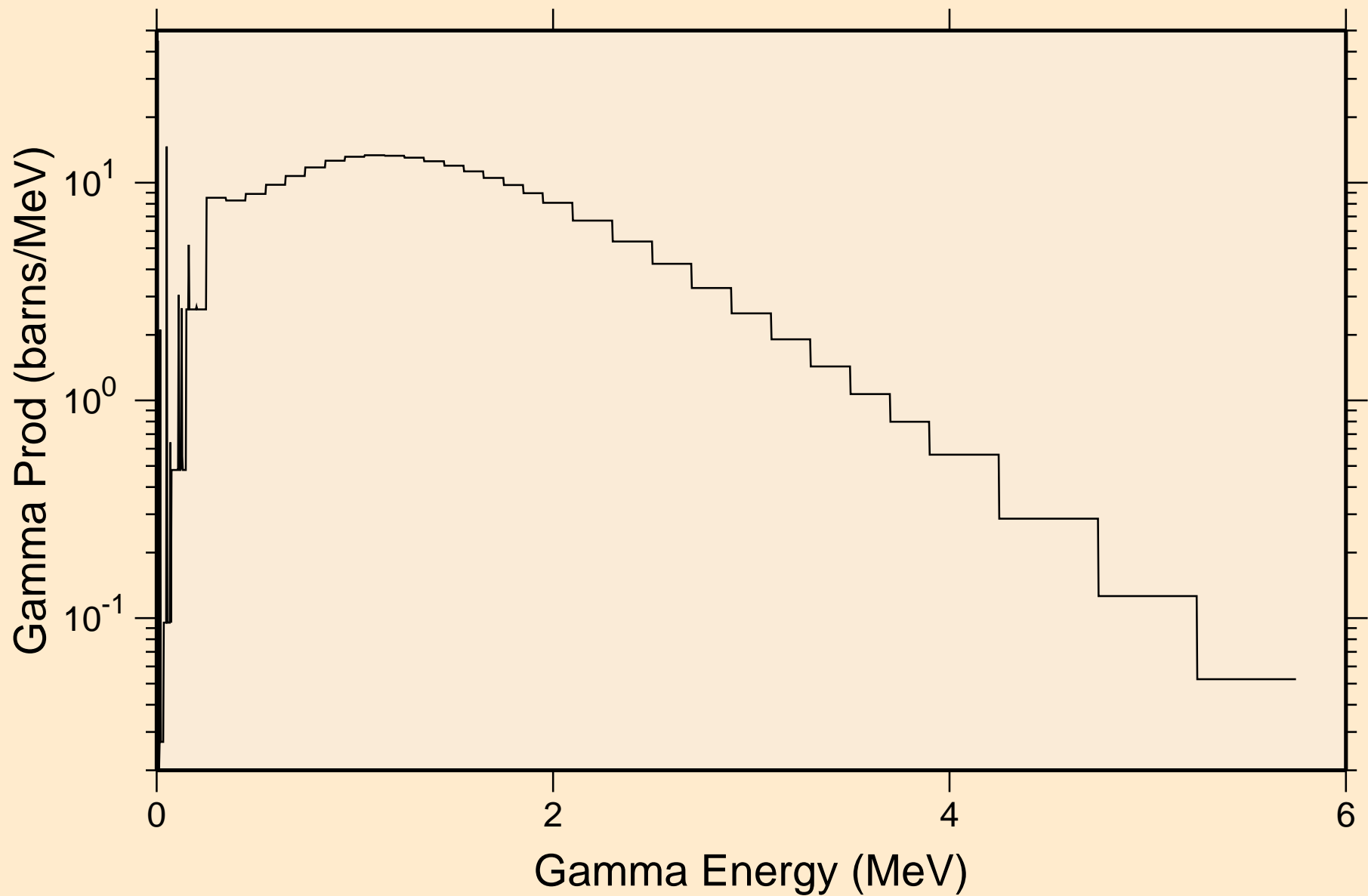




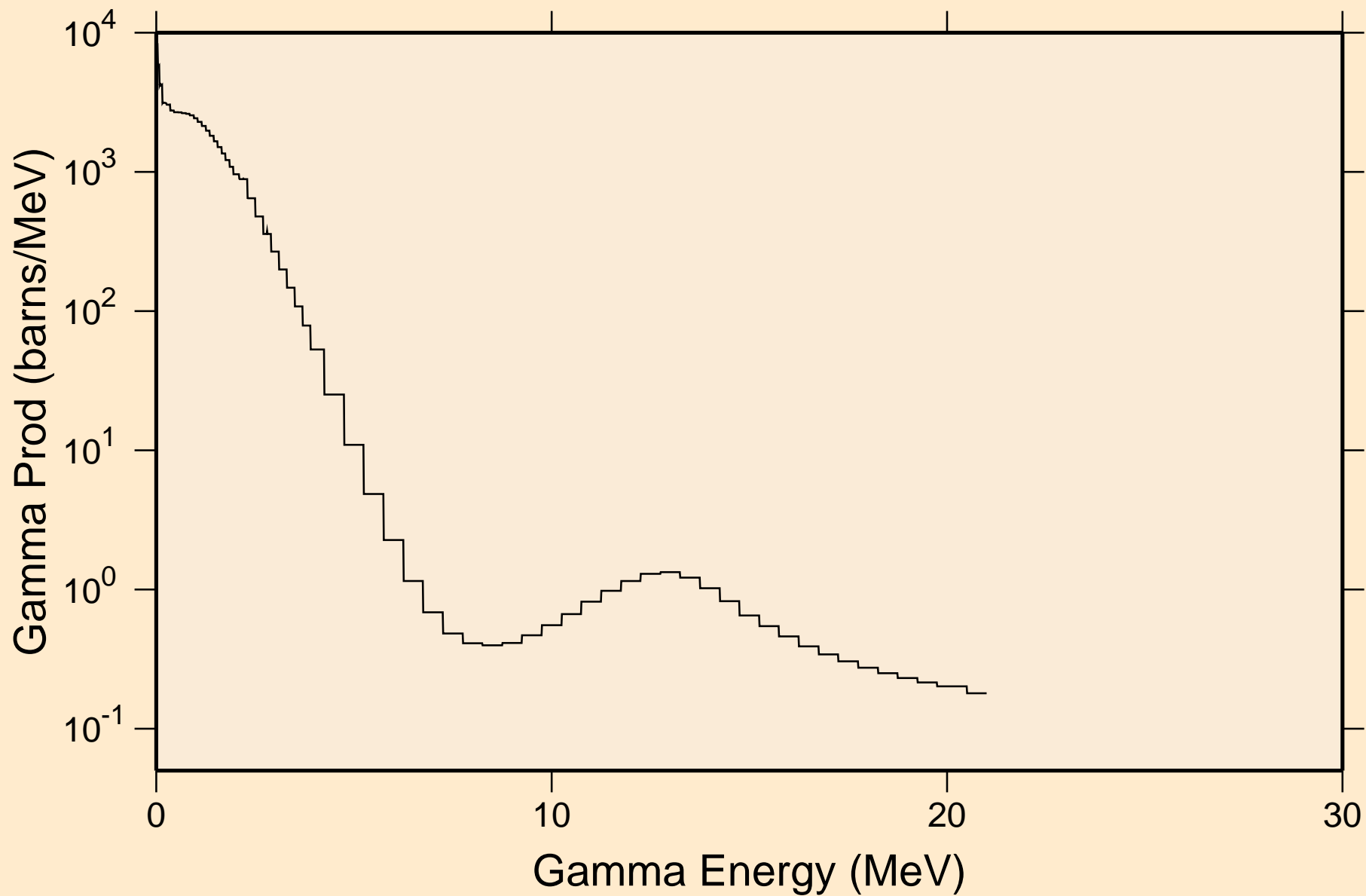
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)



CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

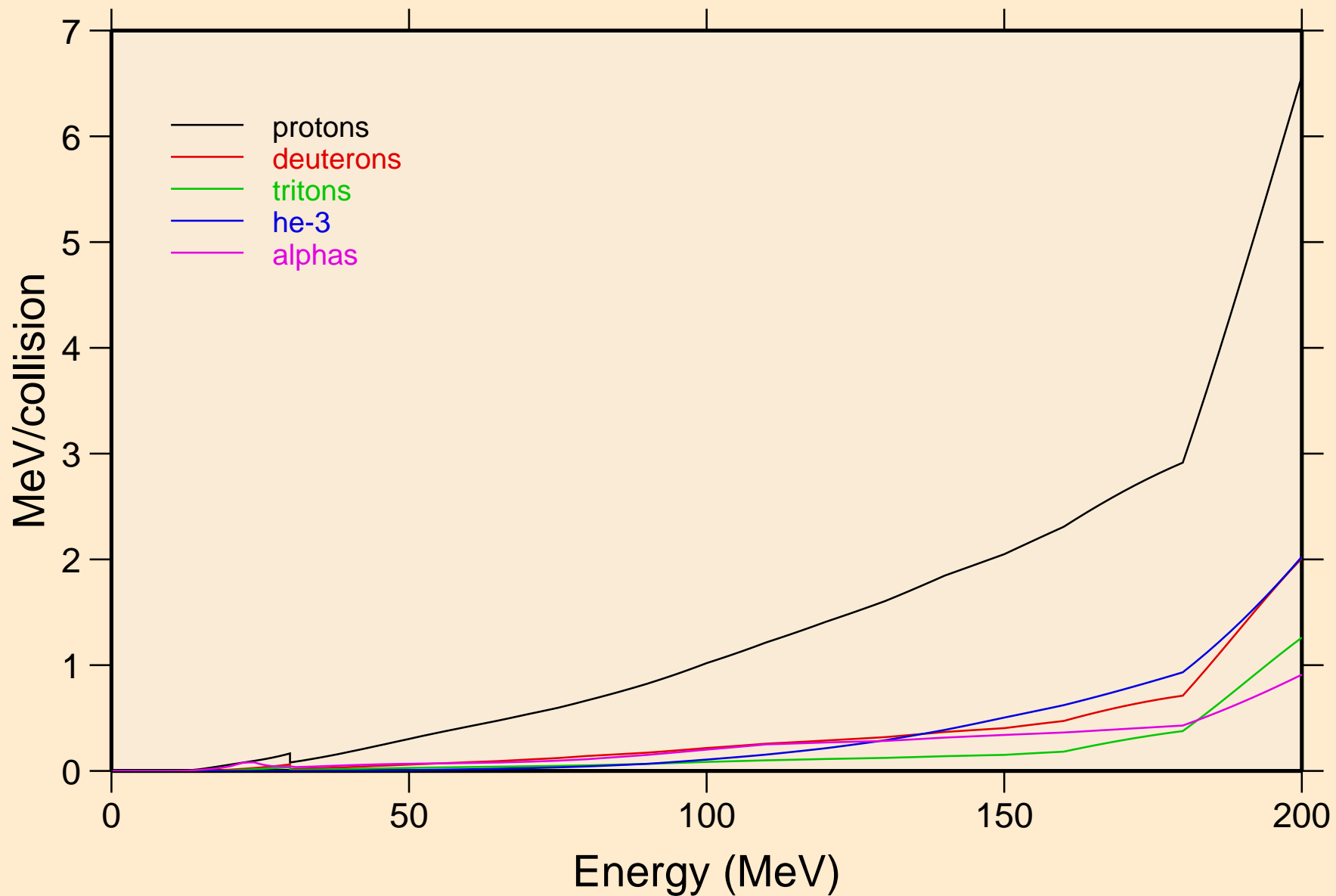


CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

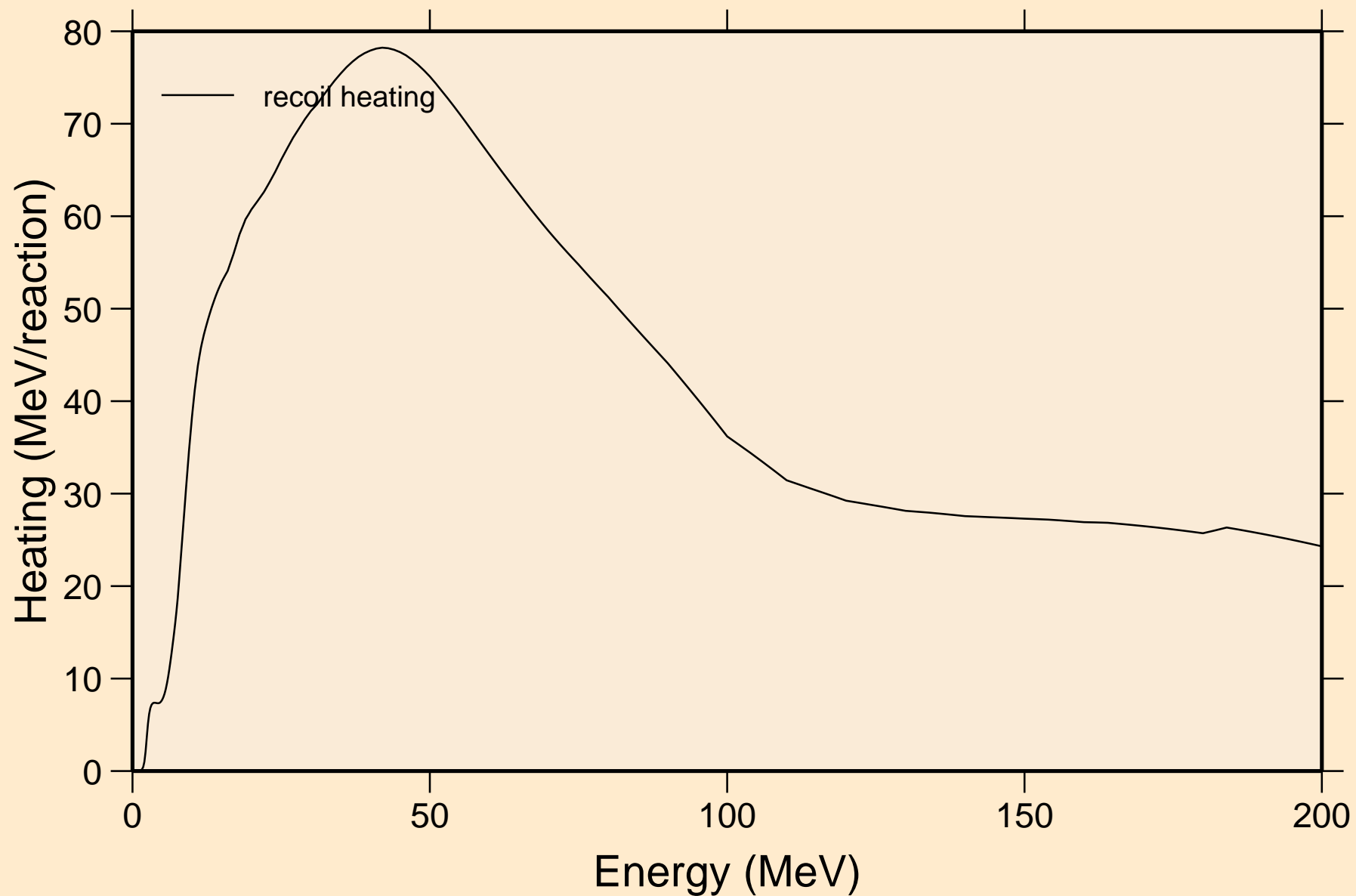


# CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Particle heating contributions

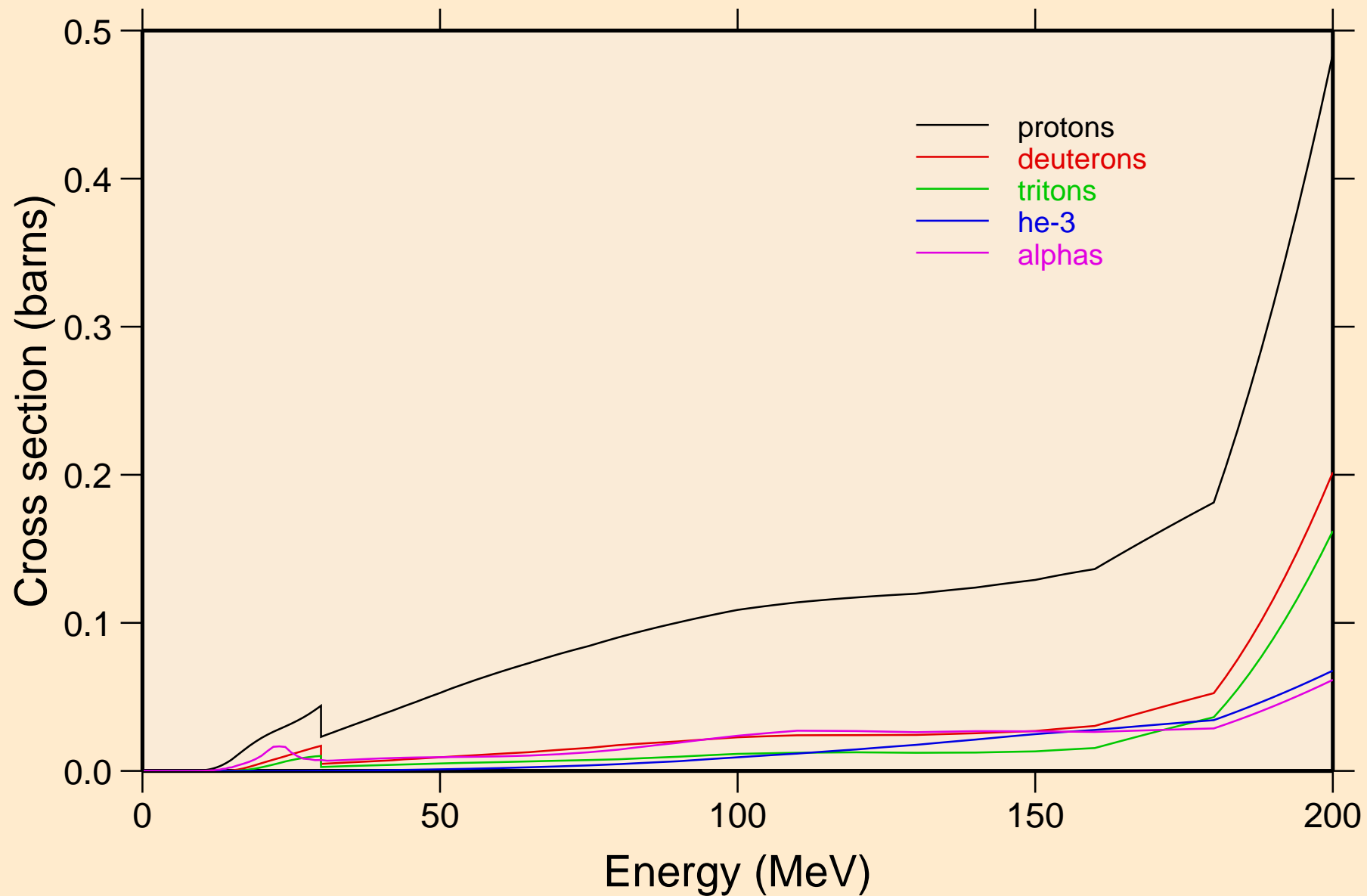


CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating

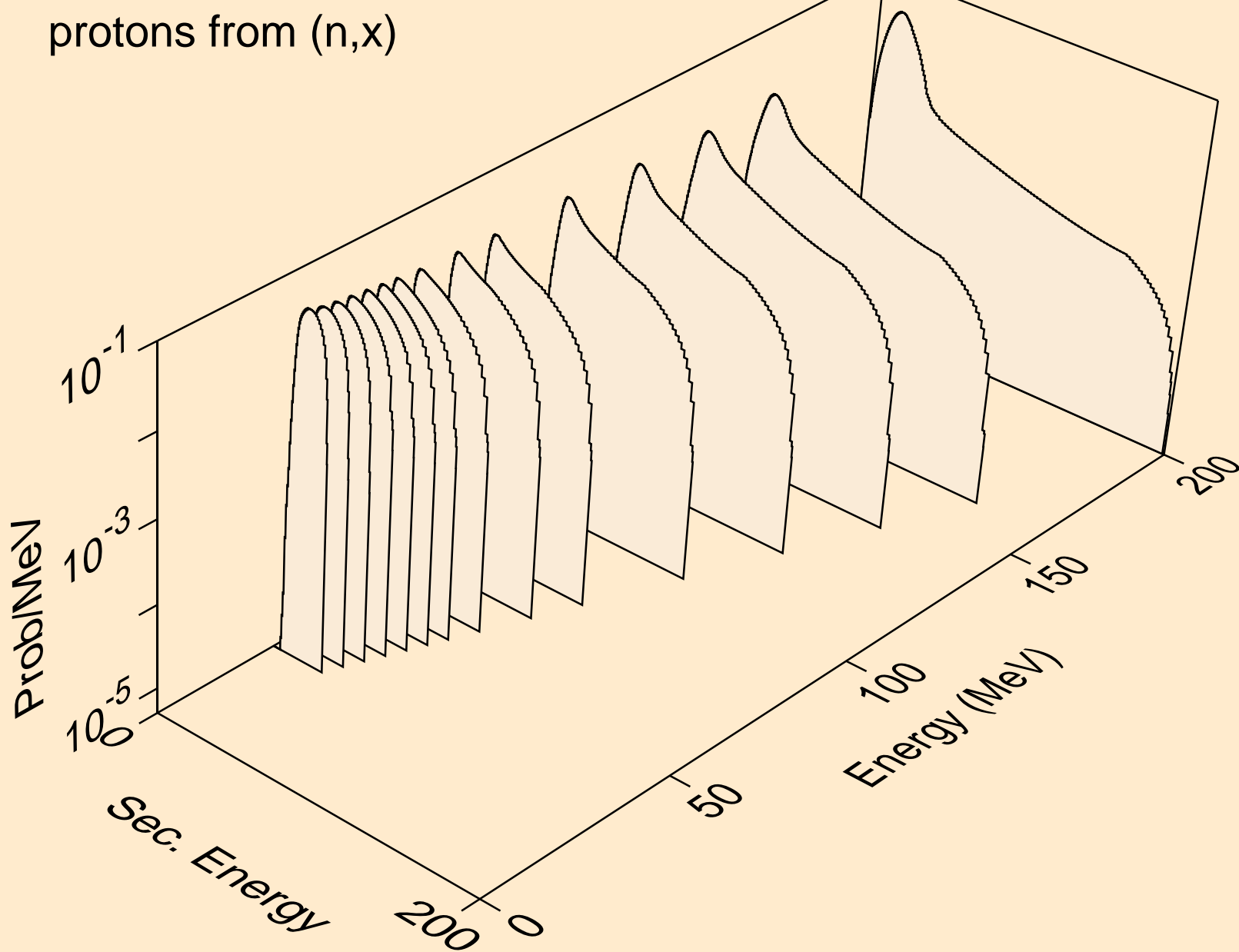


# CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

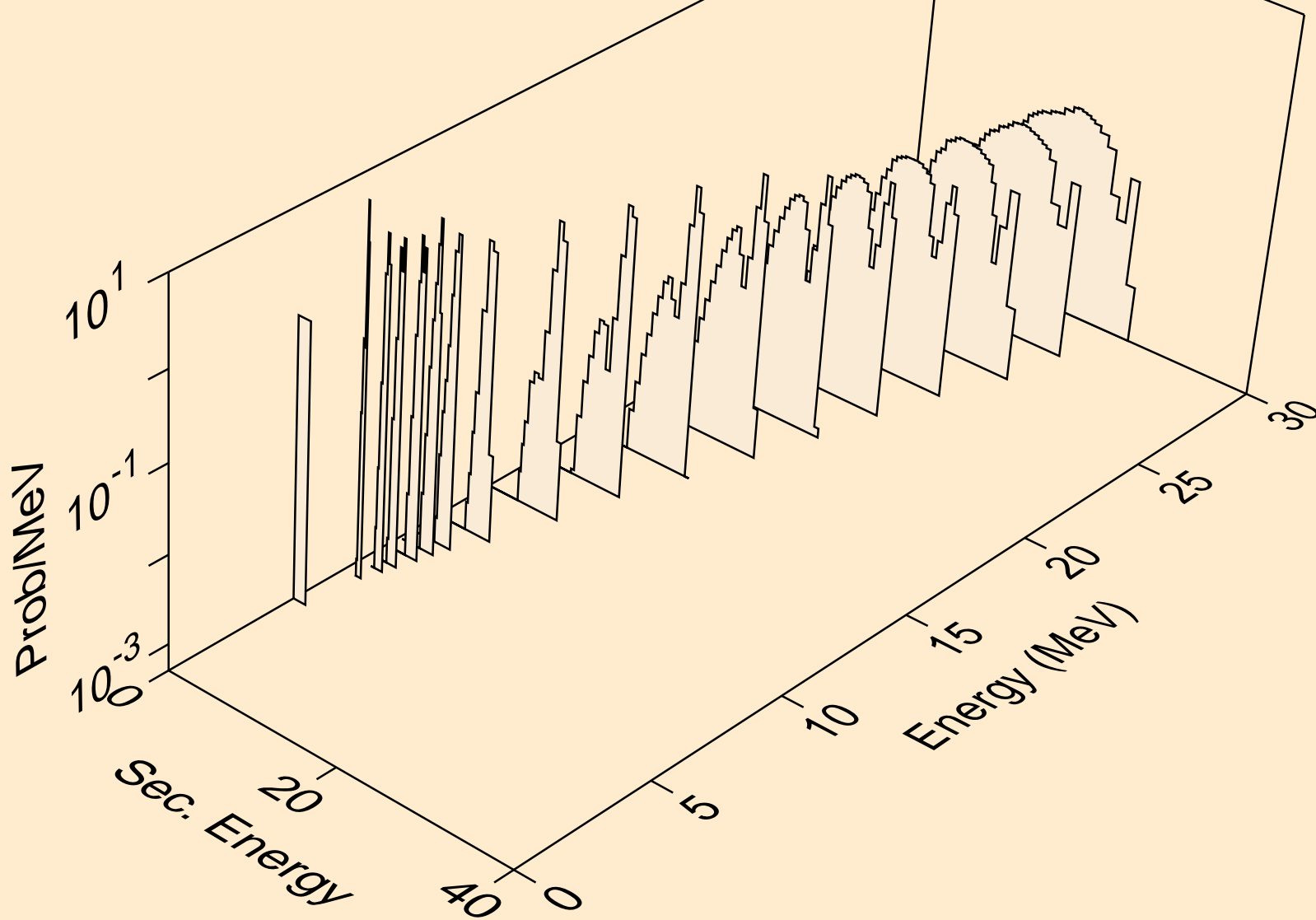
## Particle production cross sections



CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)

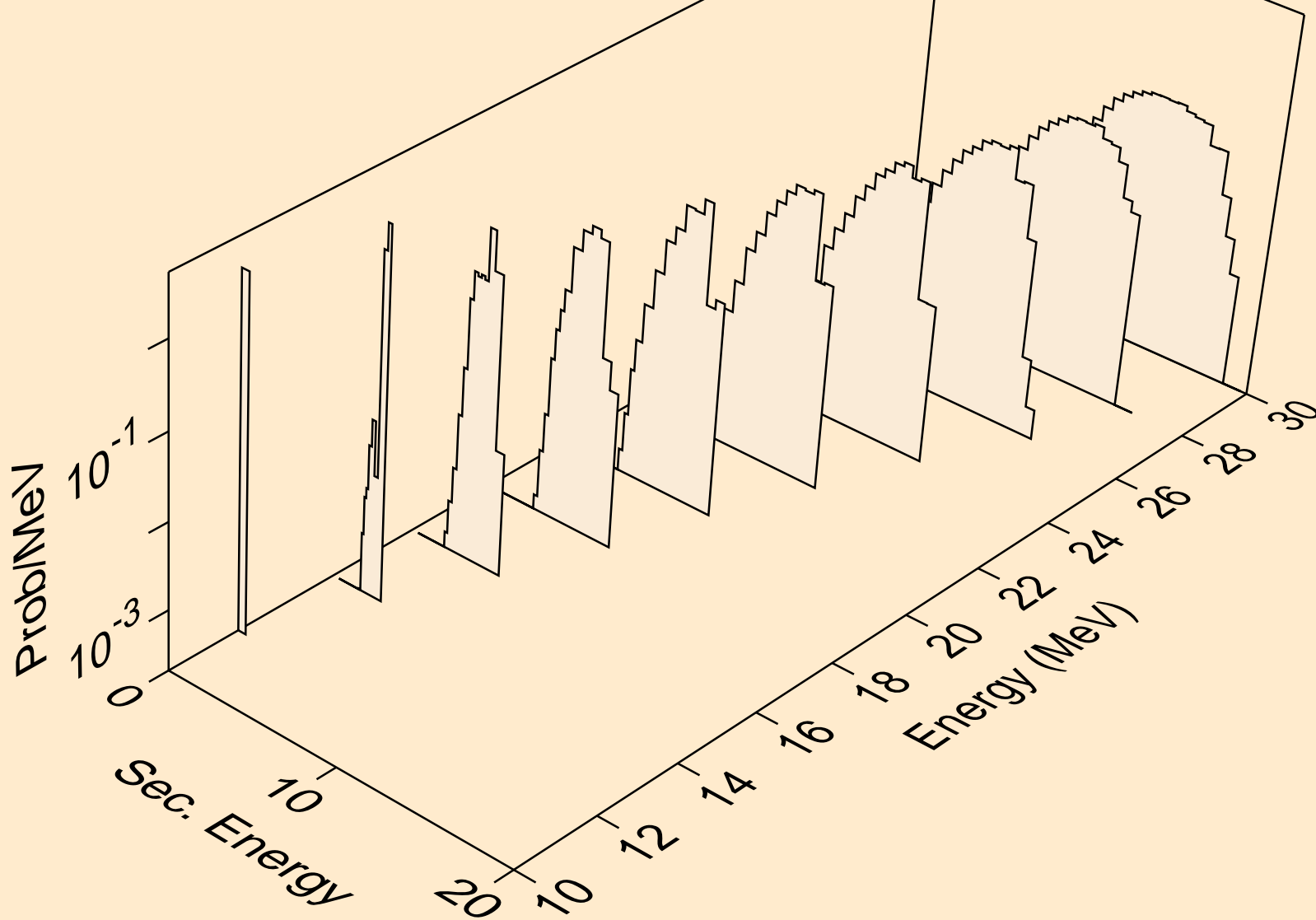


CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p

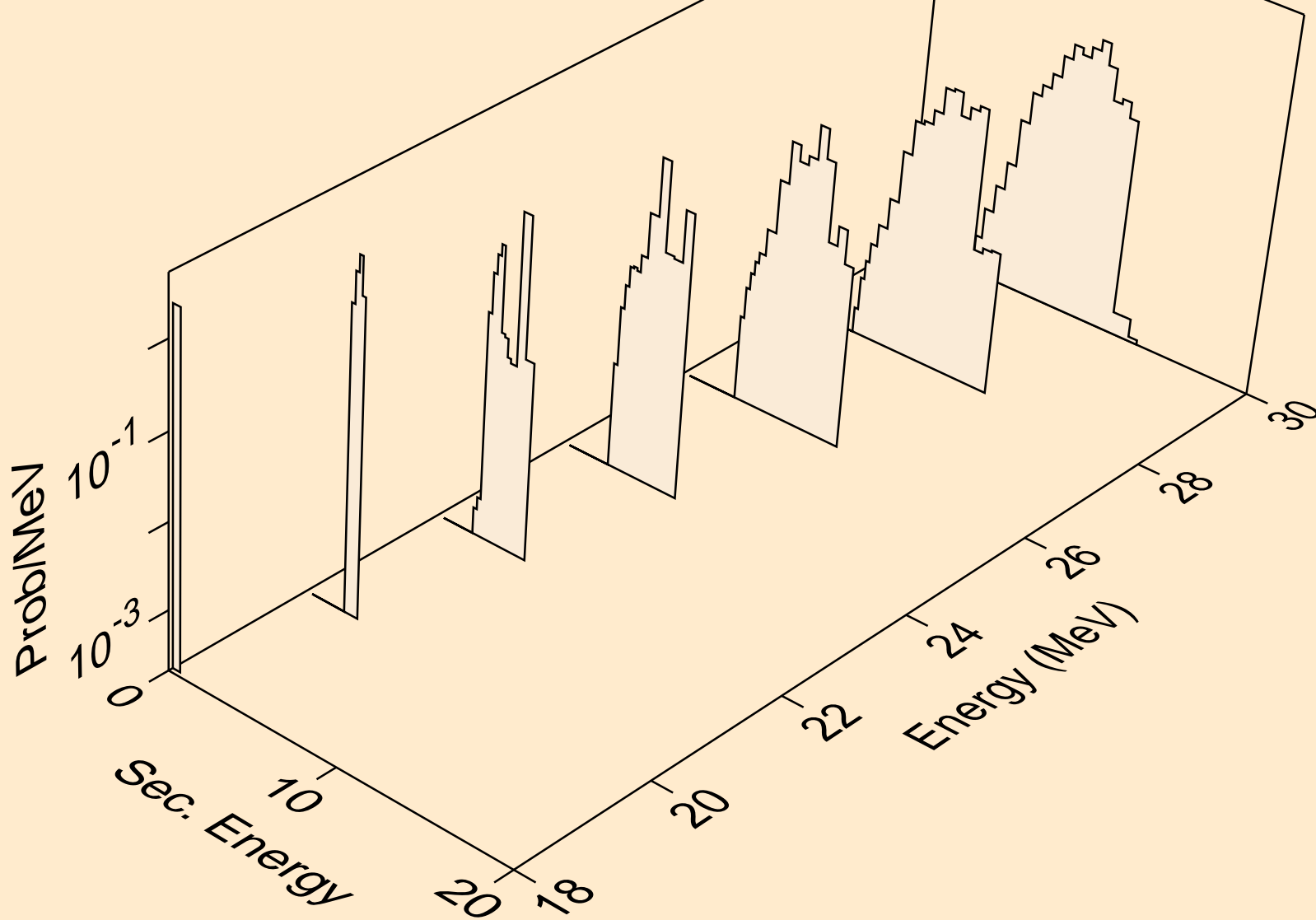




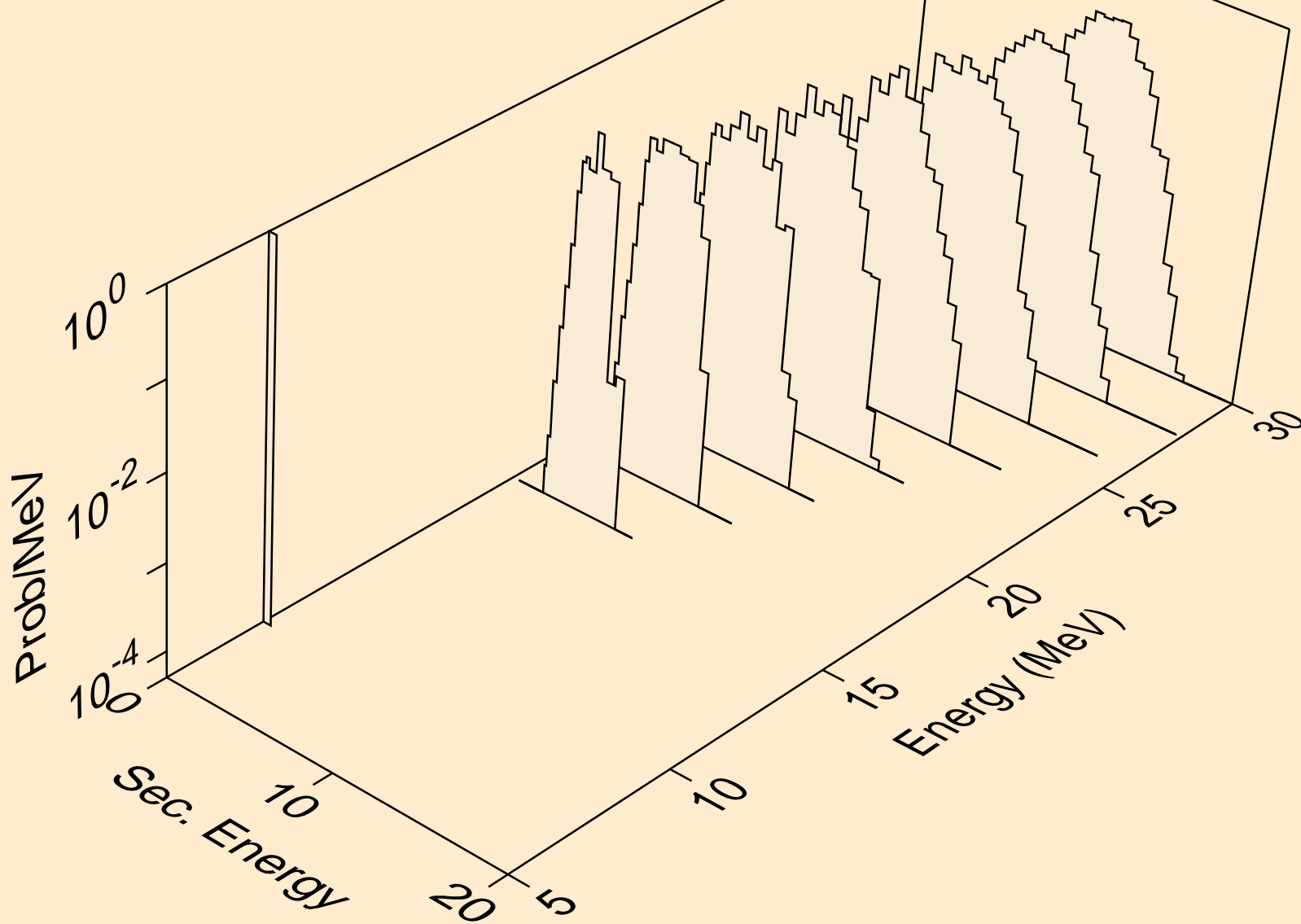
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



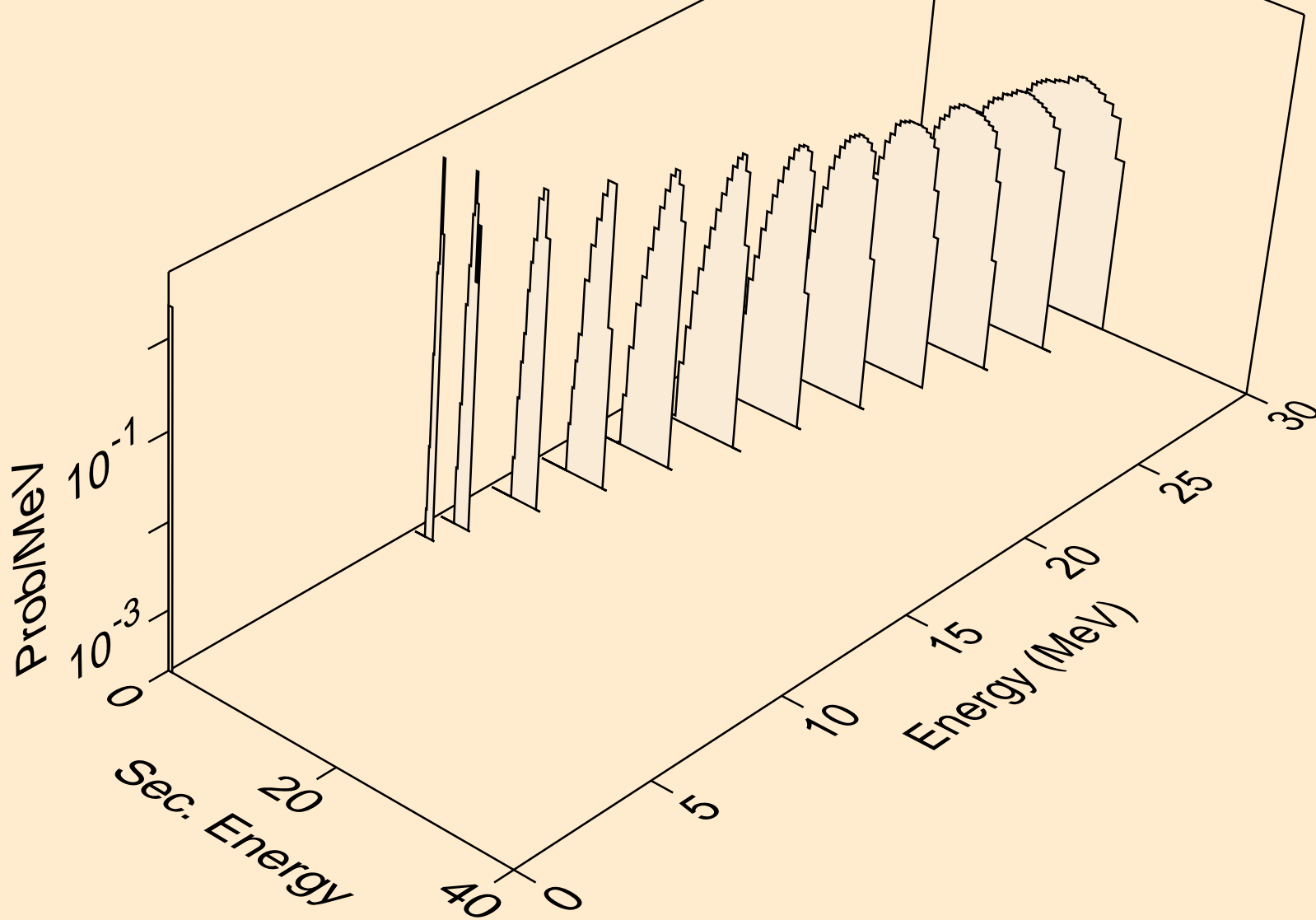
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)



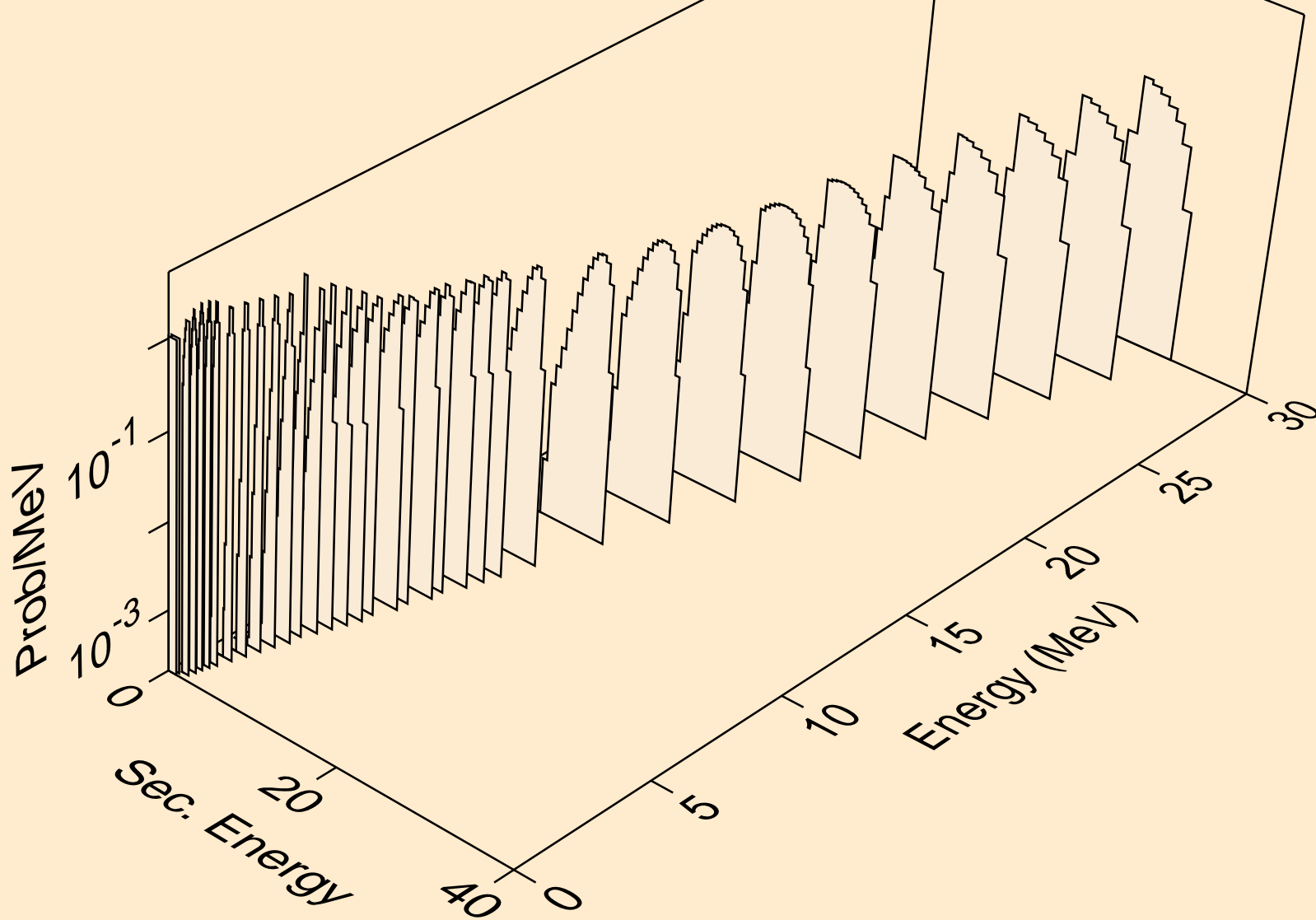
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protons from (n,2np)



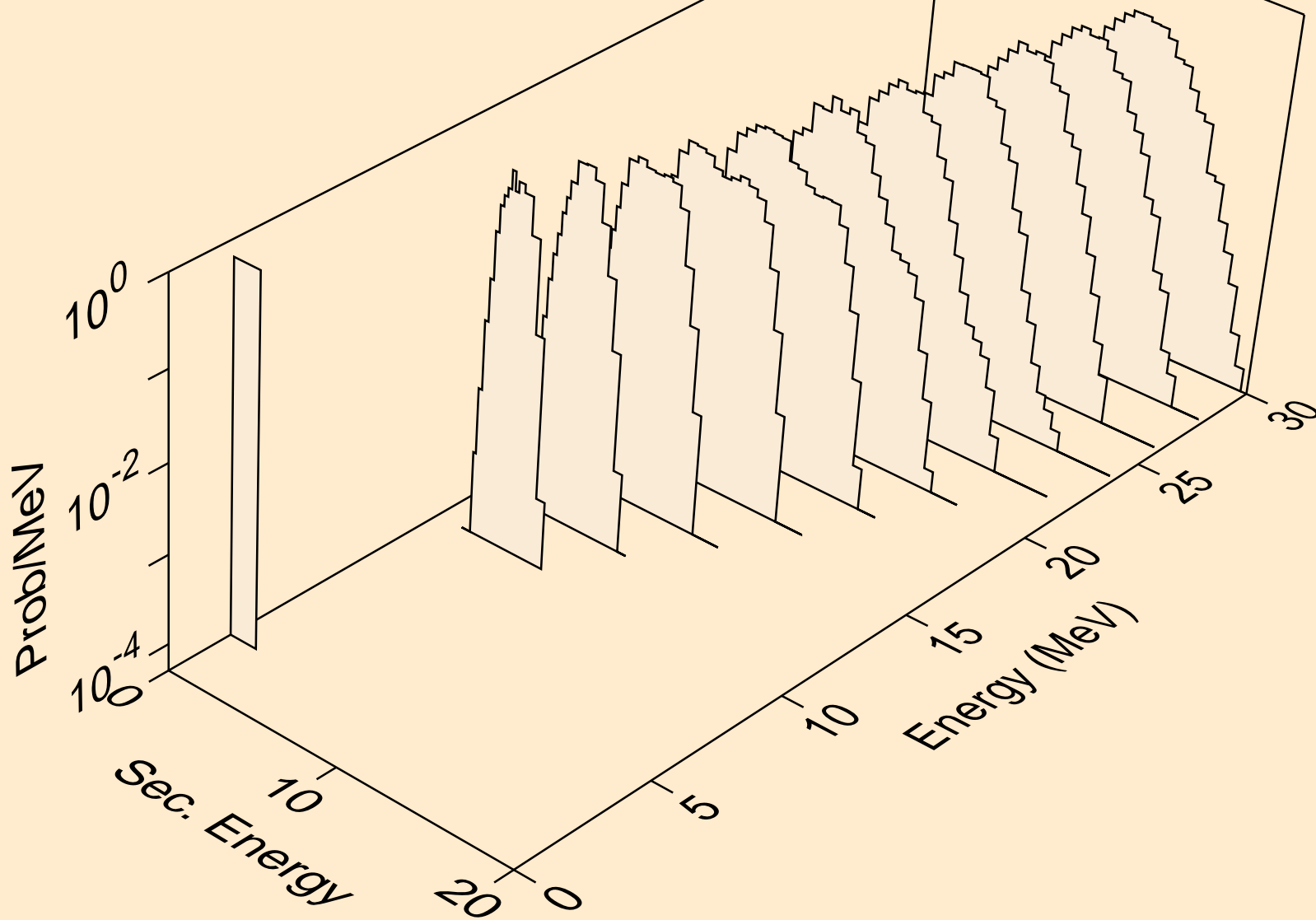
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,npa)



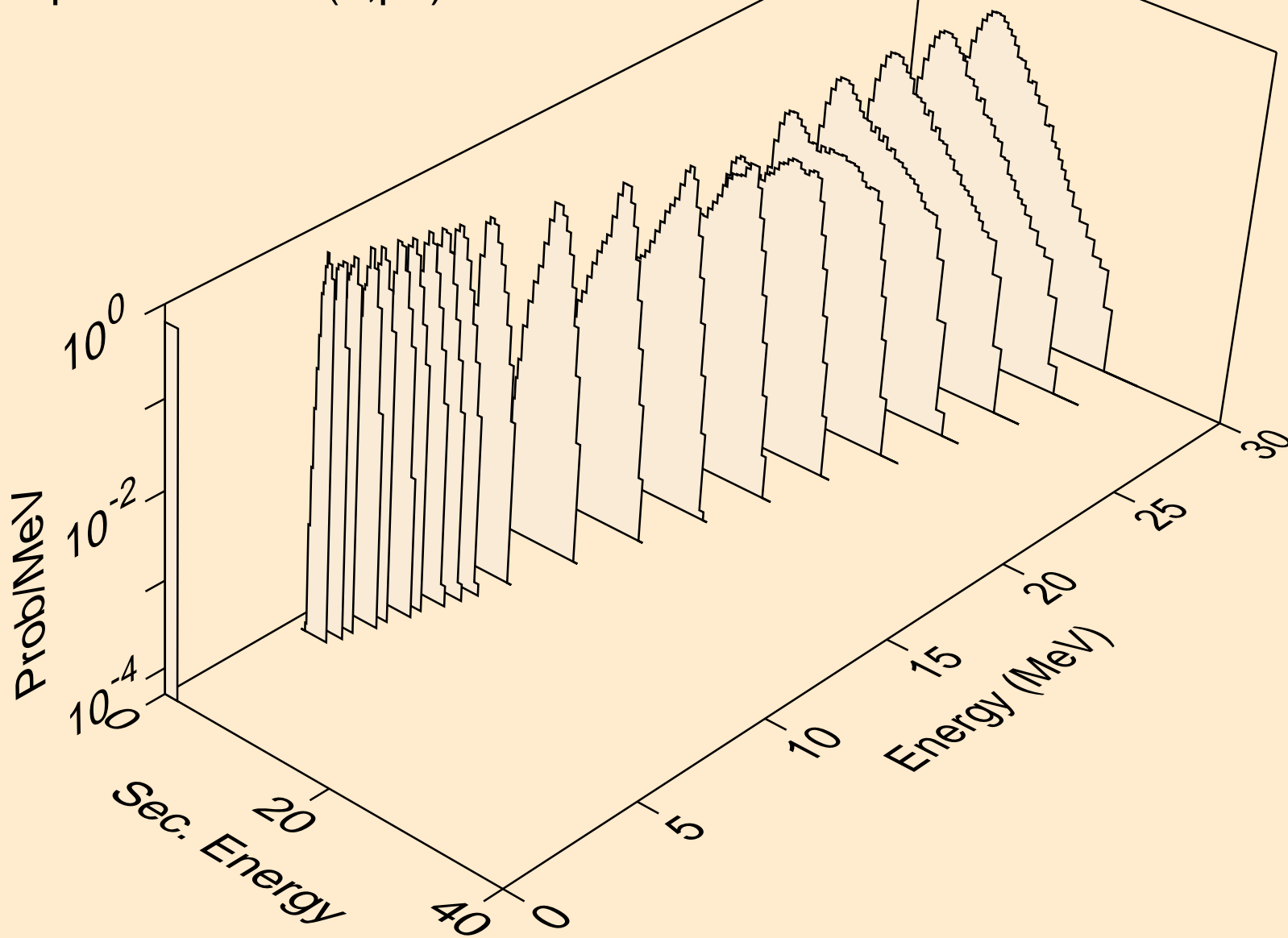
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



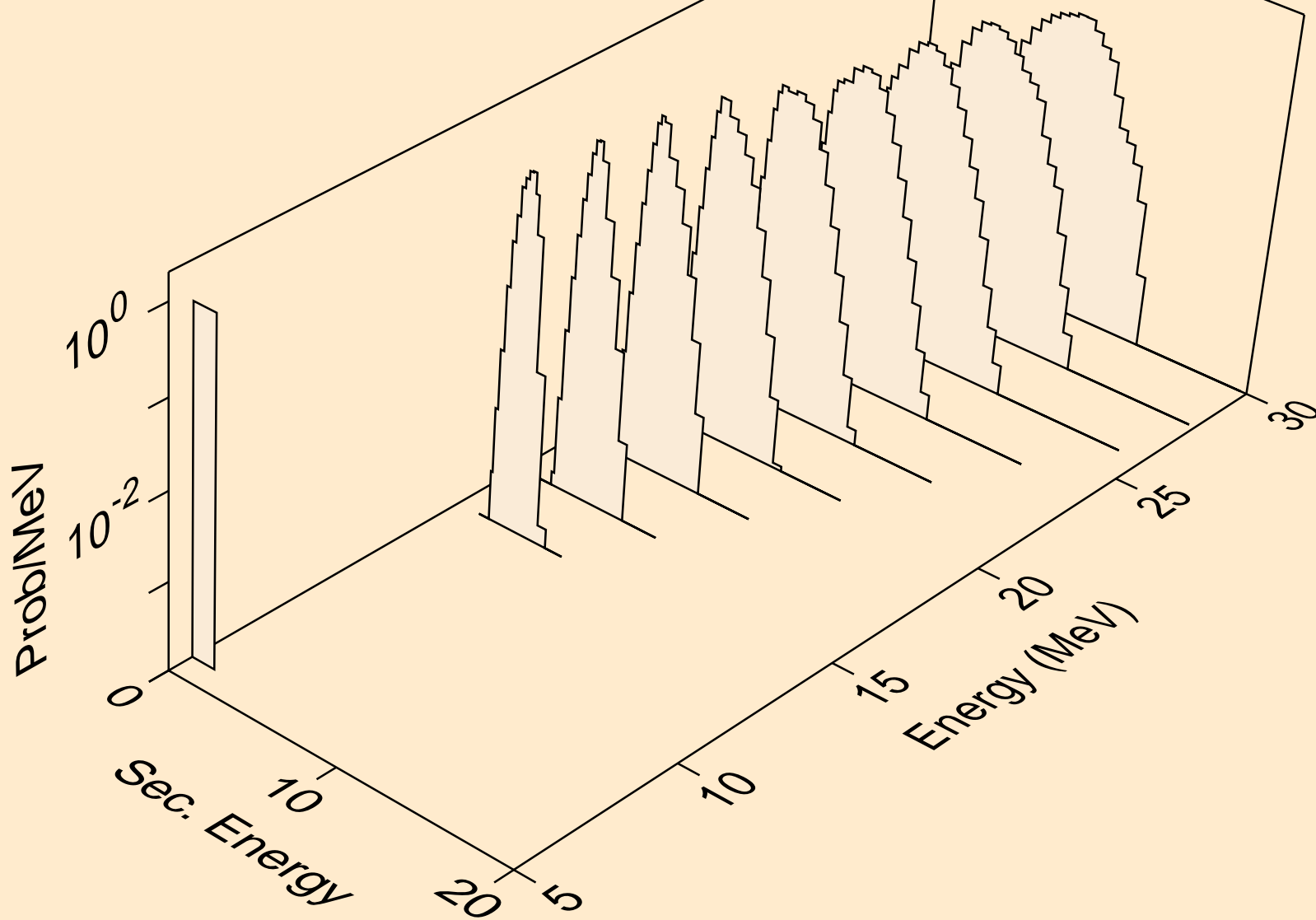
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2p)



CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)

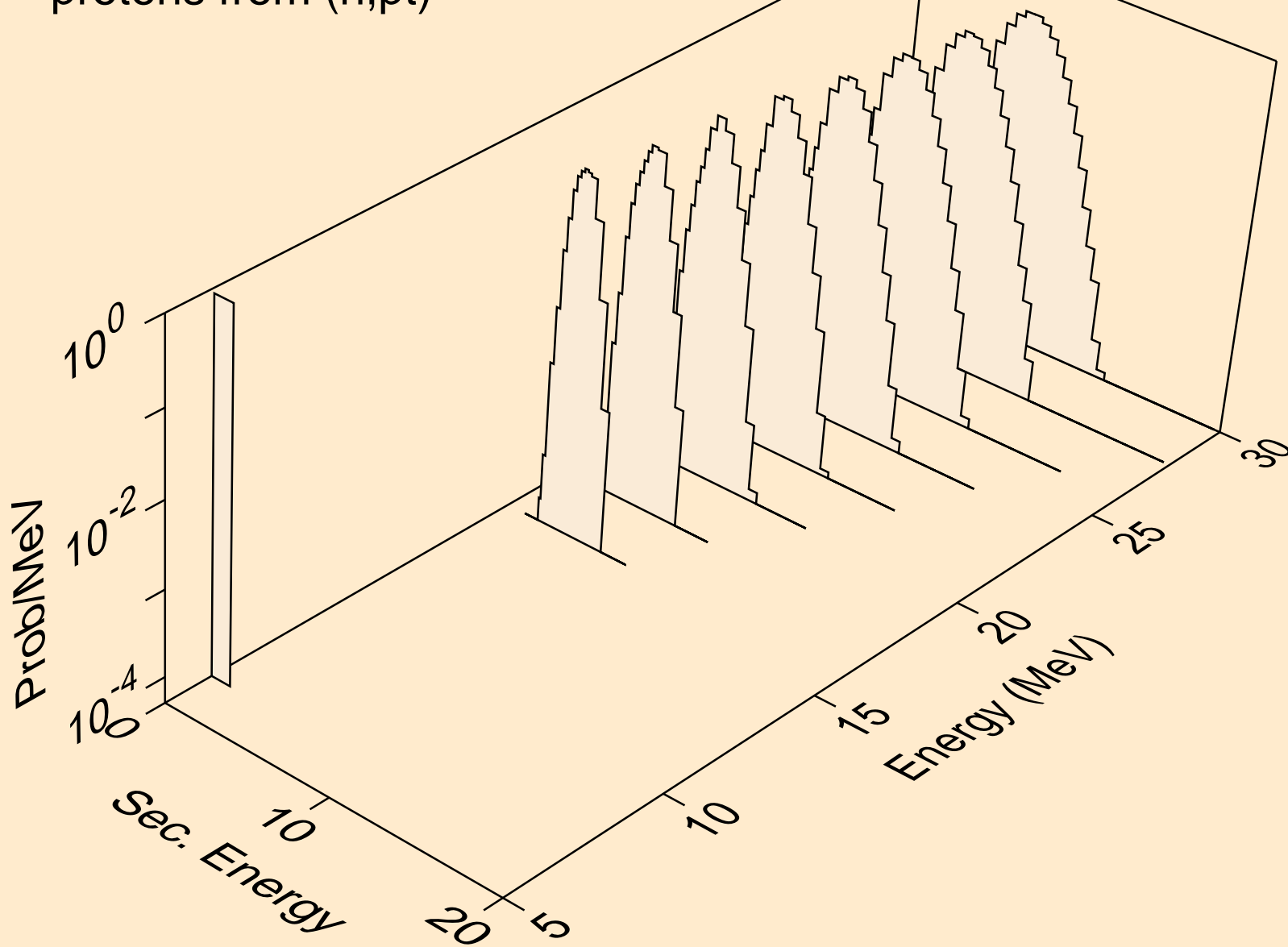


CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pd)

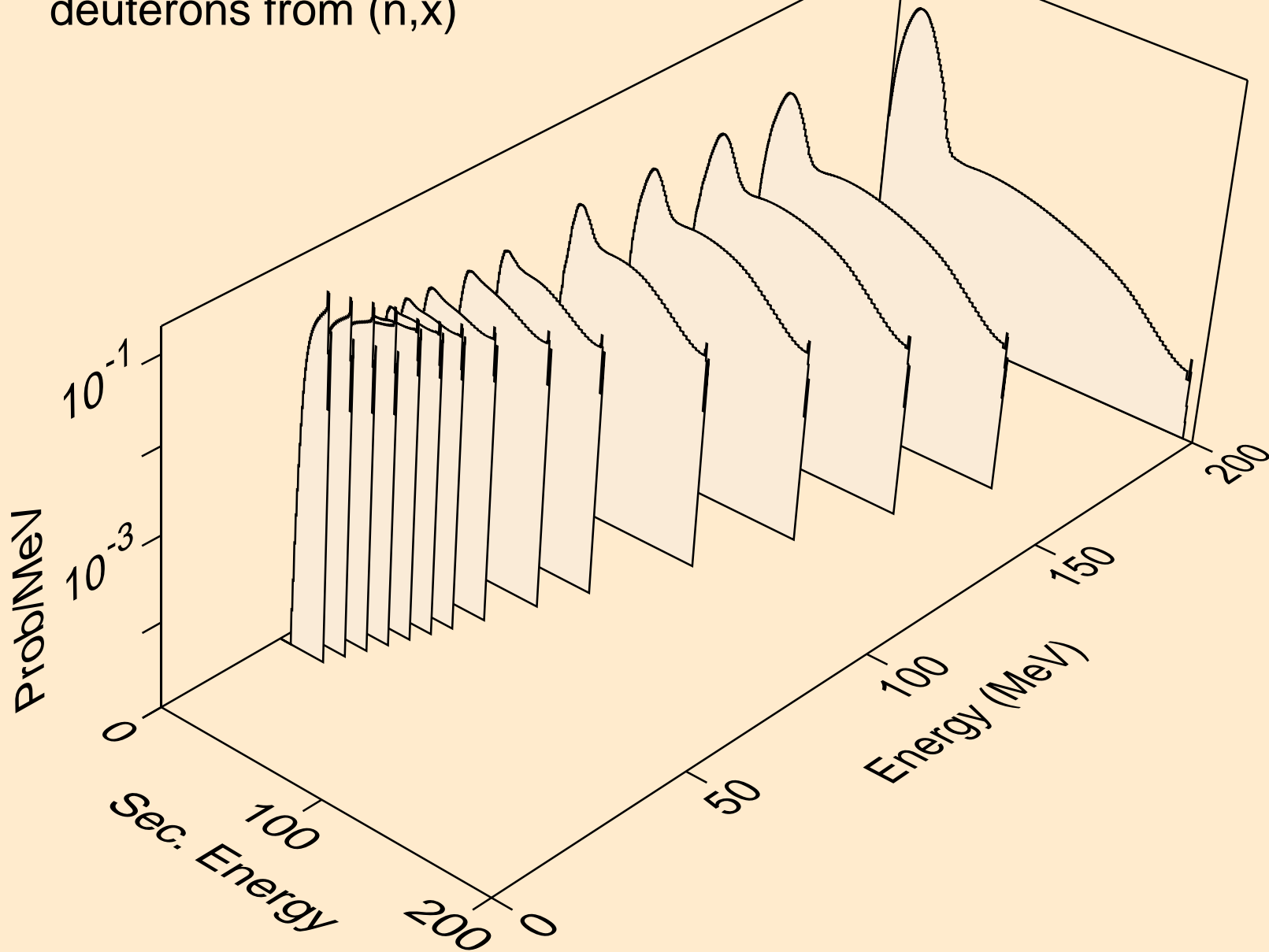




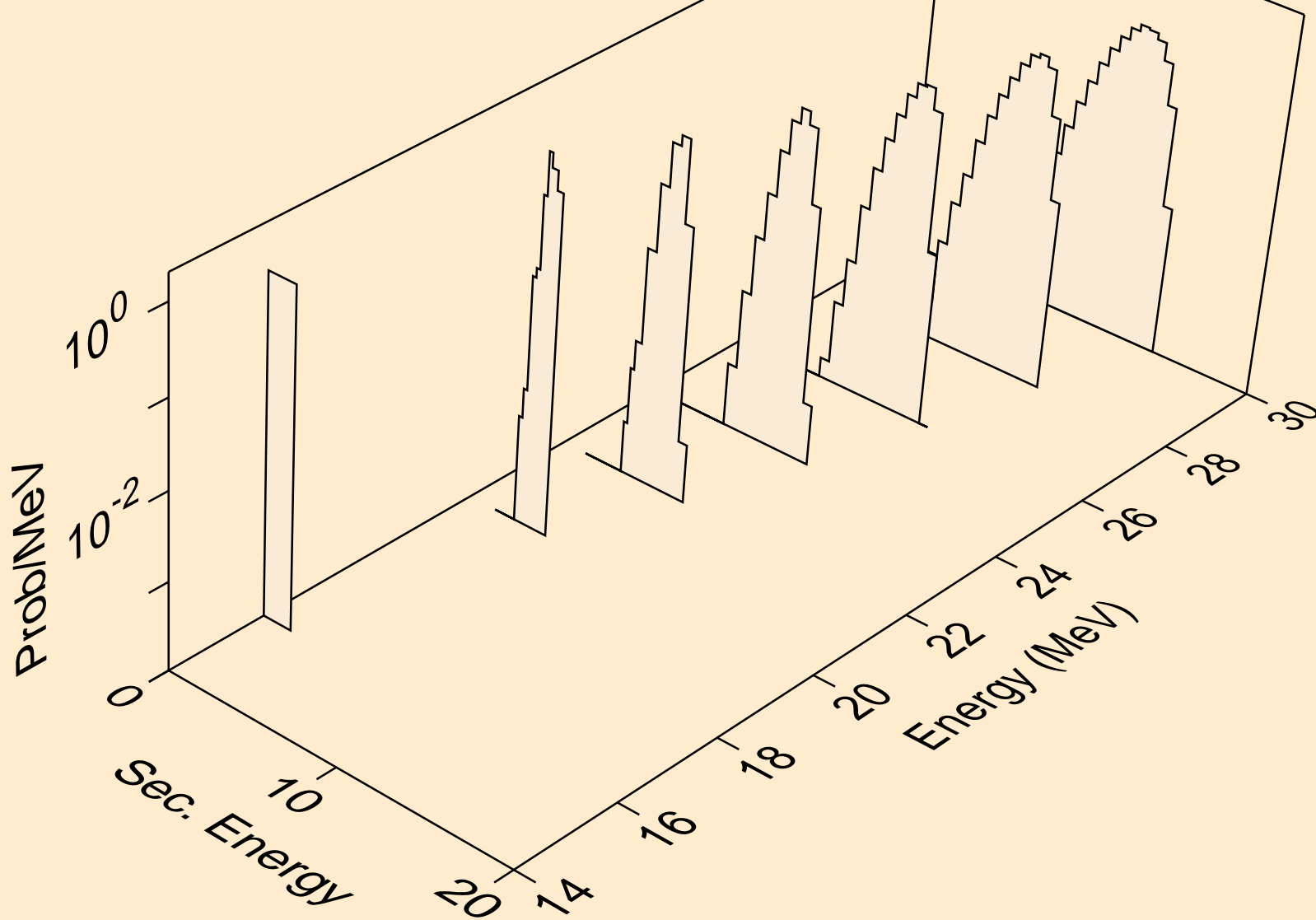
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pt)



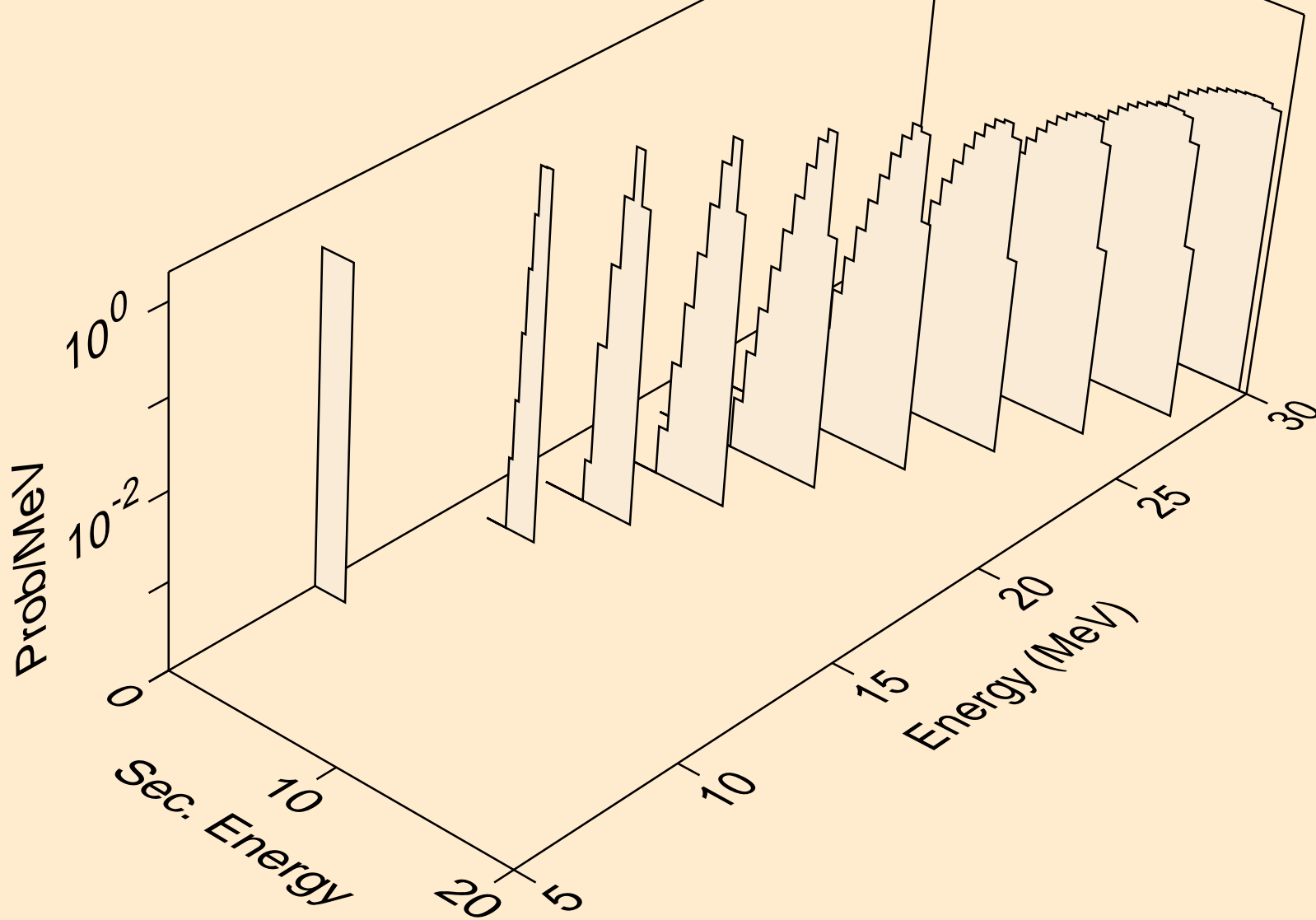
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)



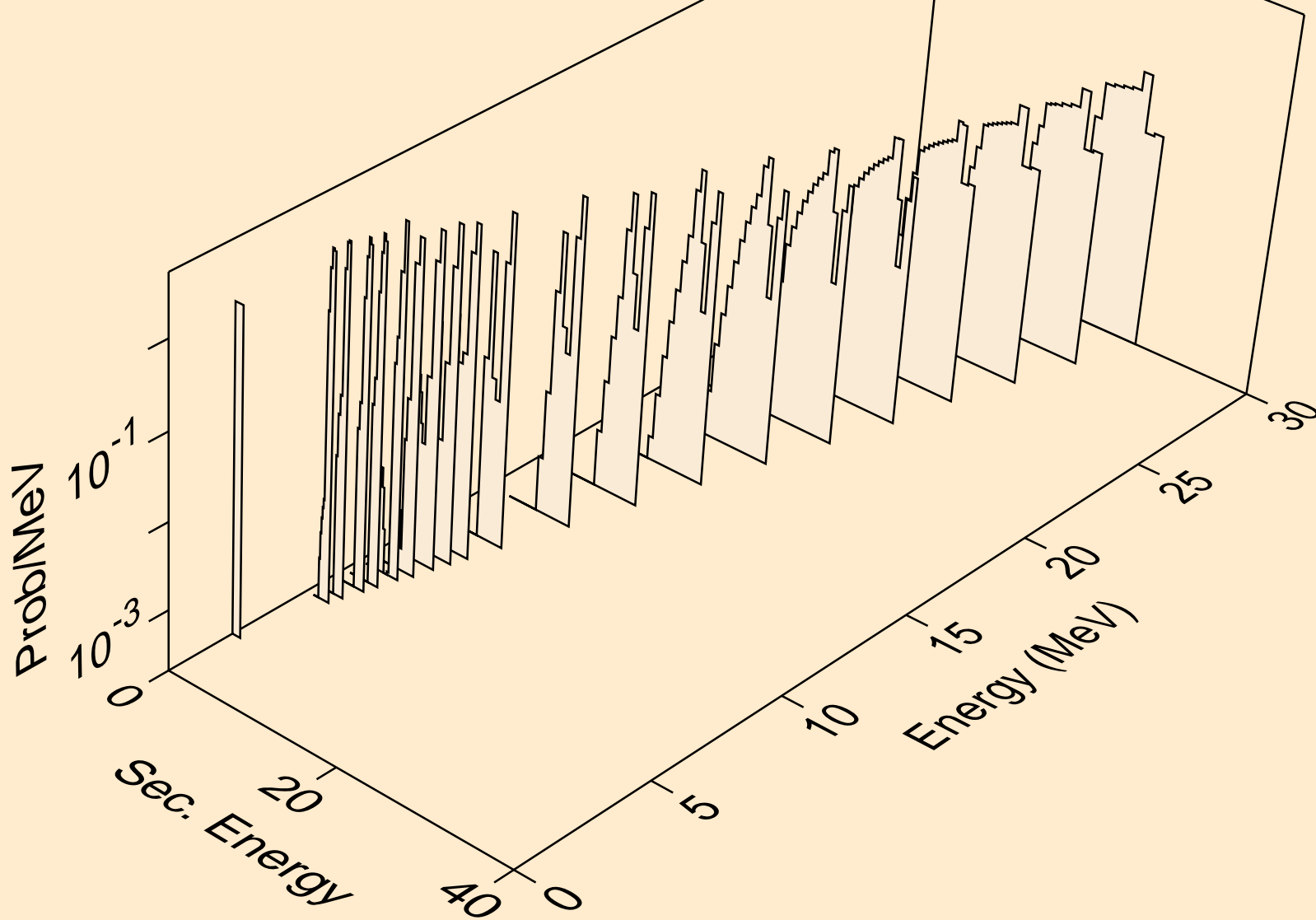
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,2nd)



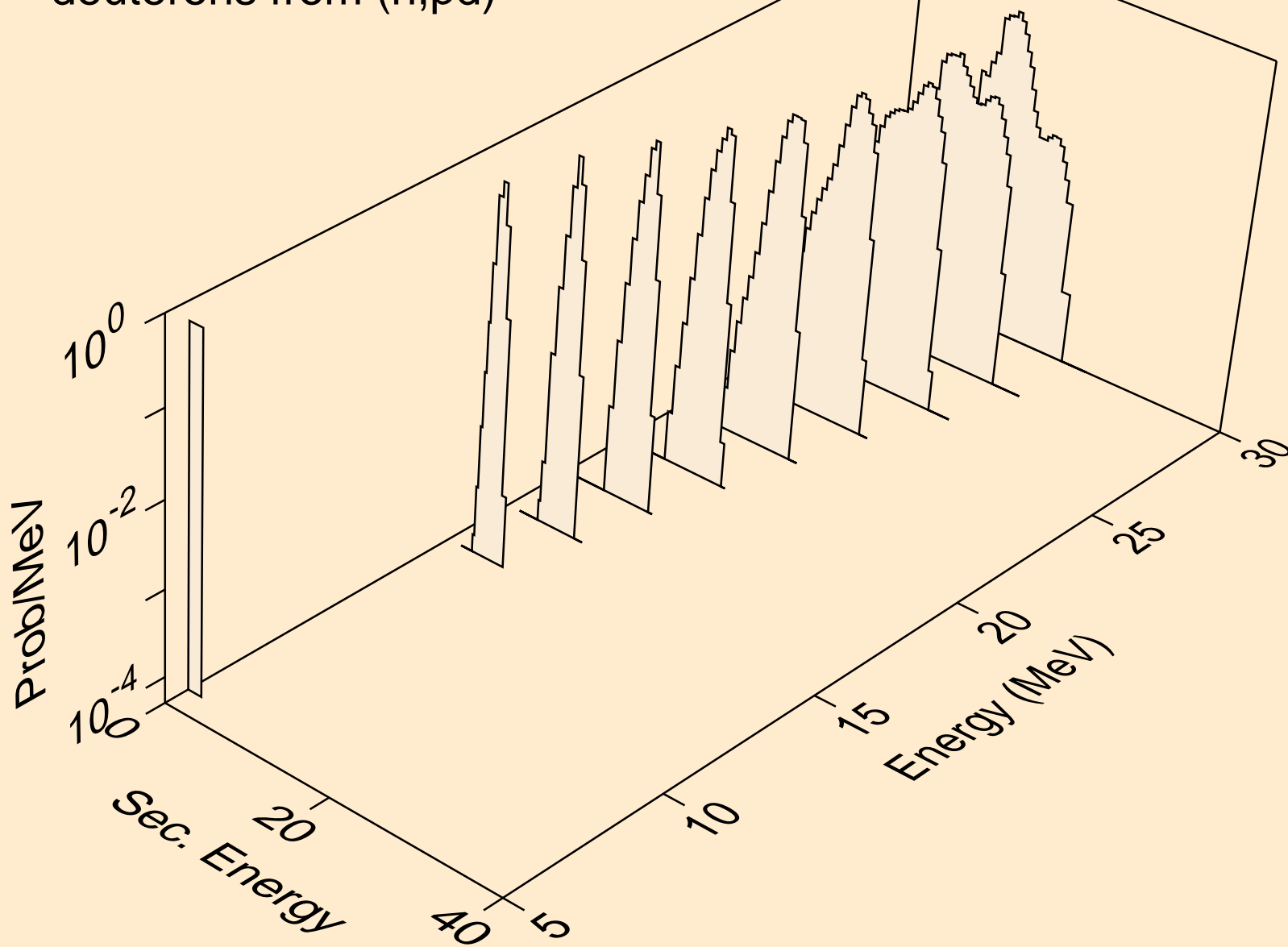
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d



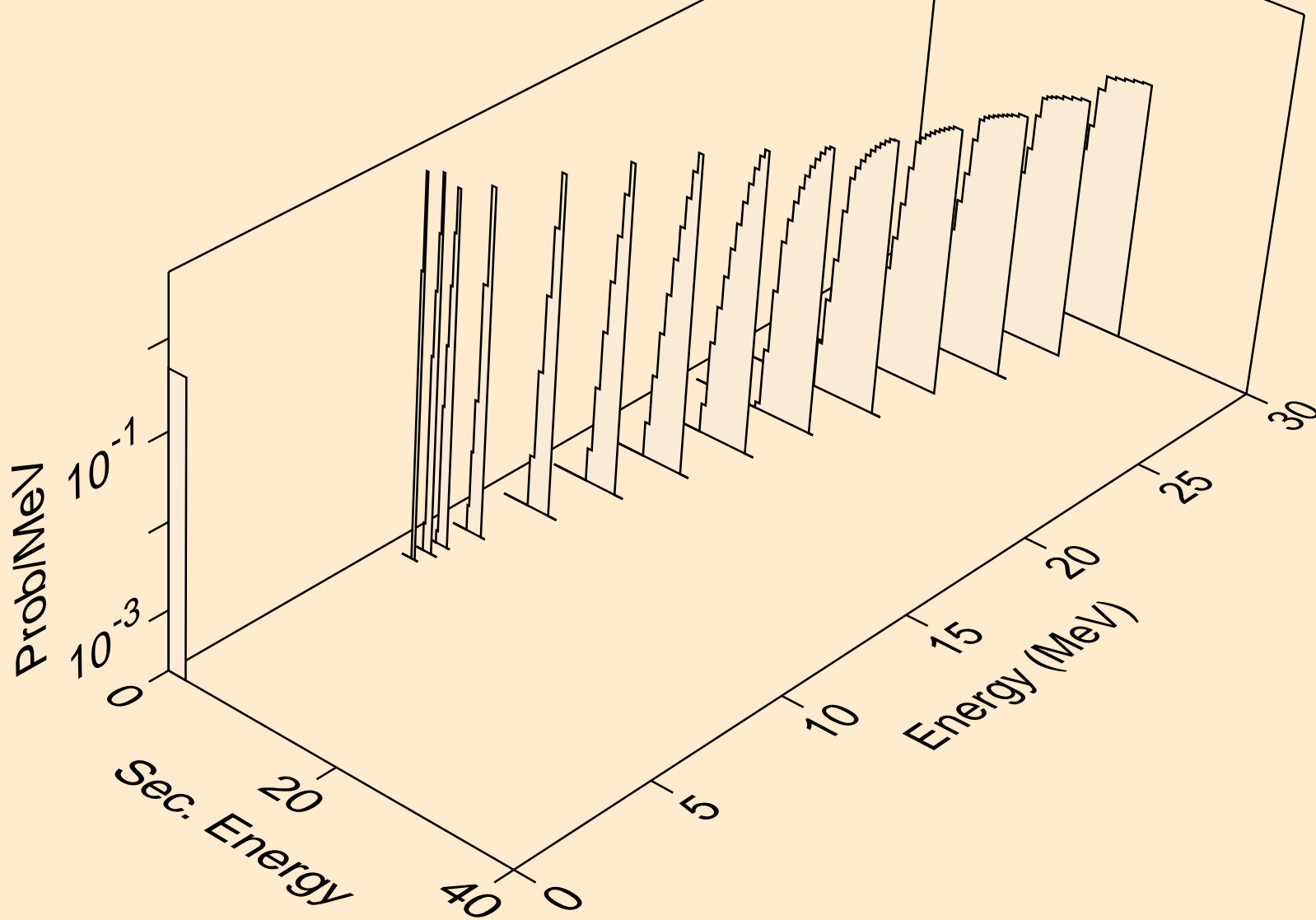
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deuterons from (n,d)



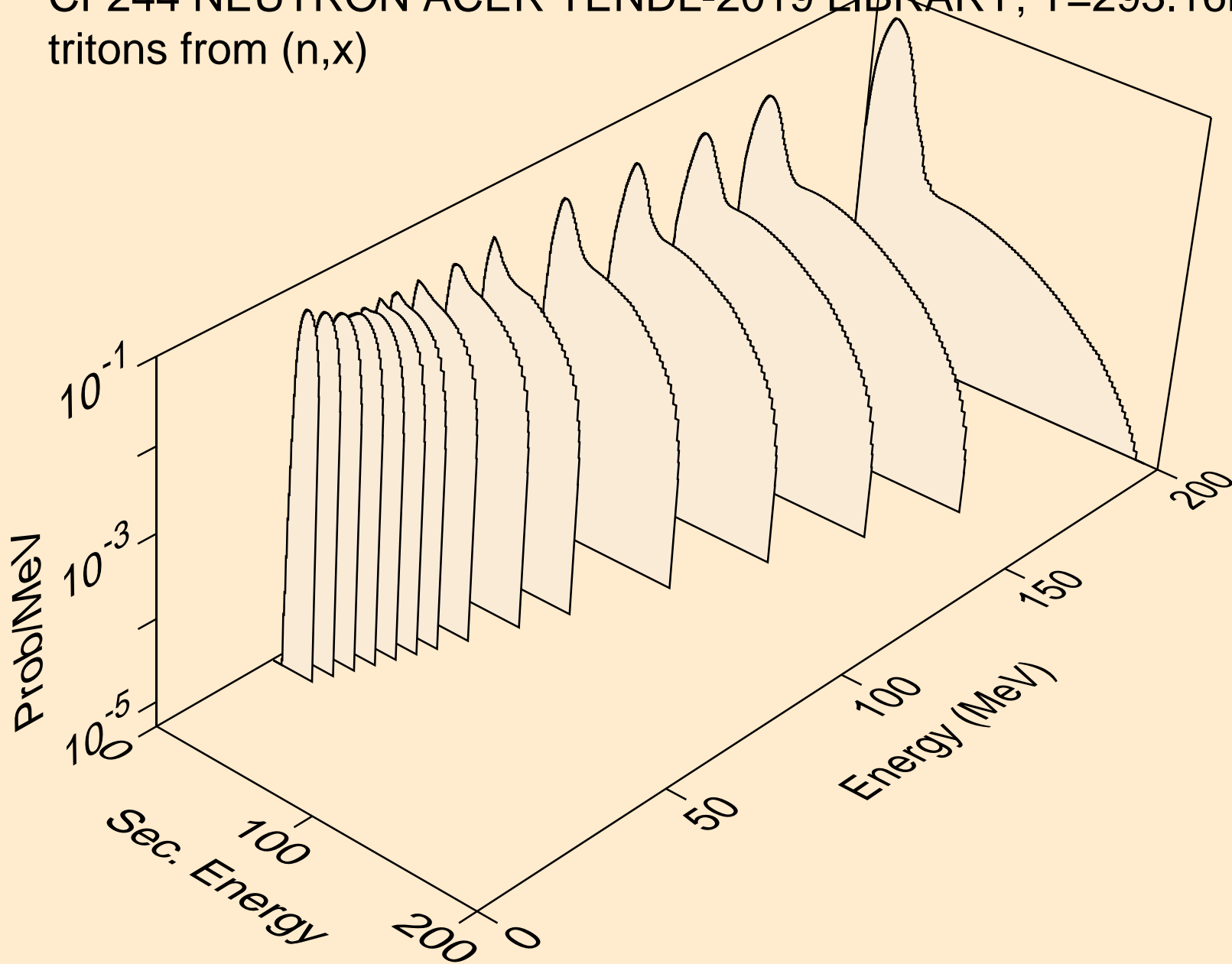
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deuterons from (n,pd)



CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
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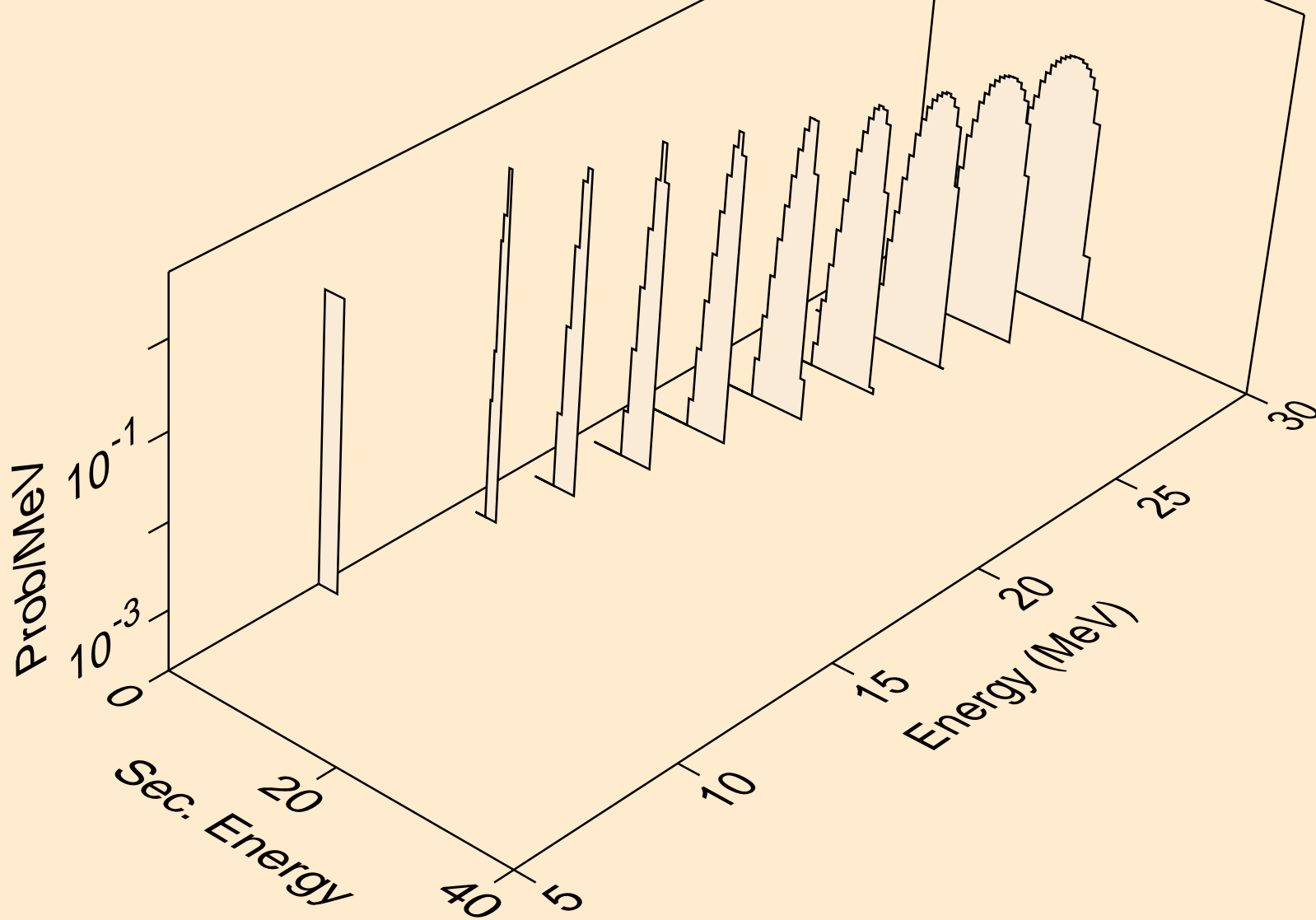


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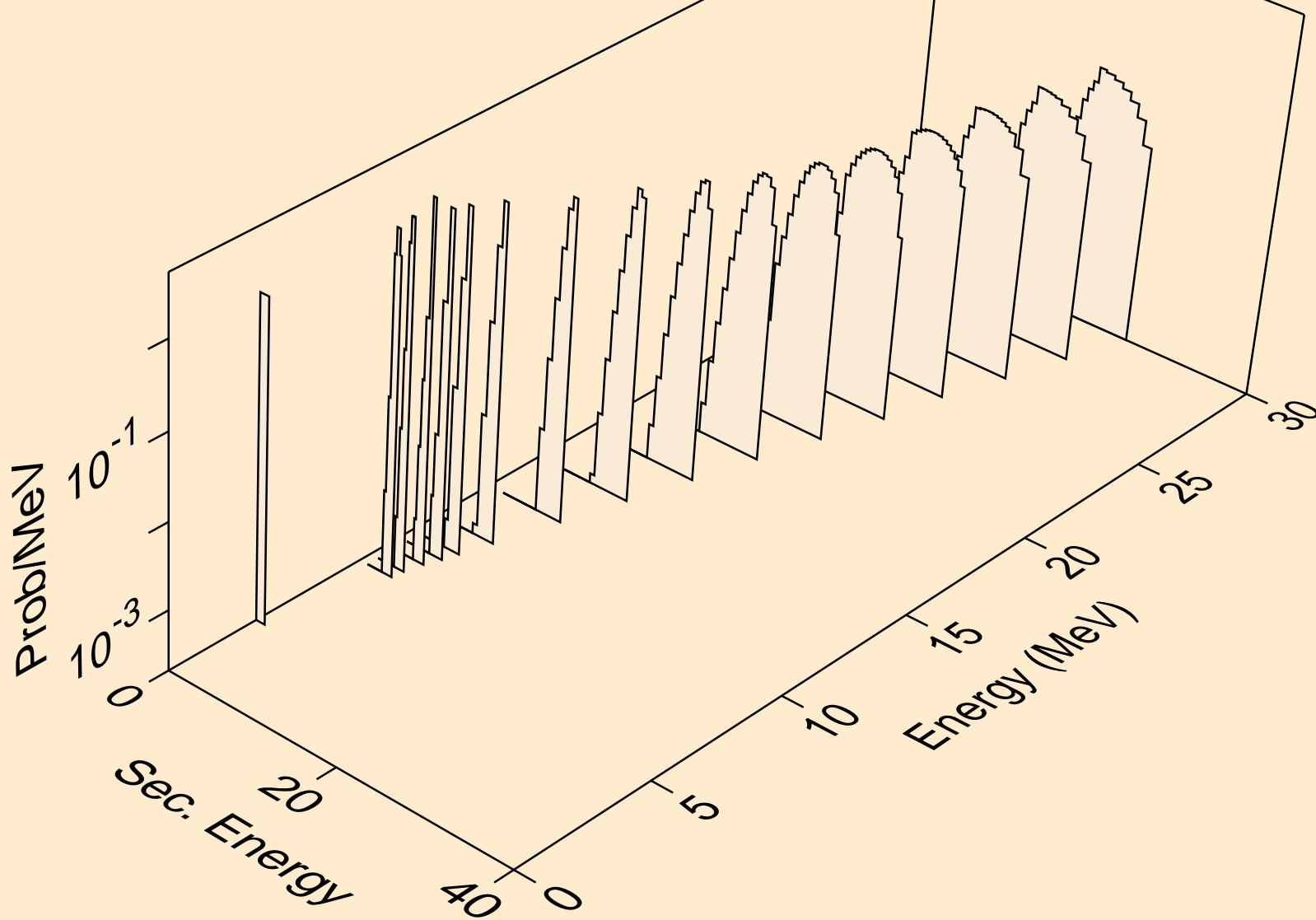




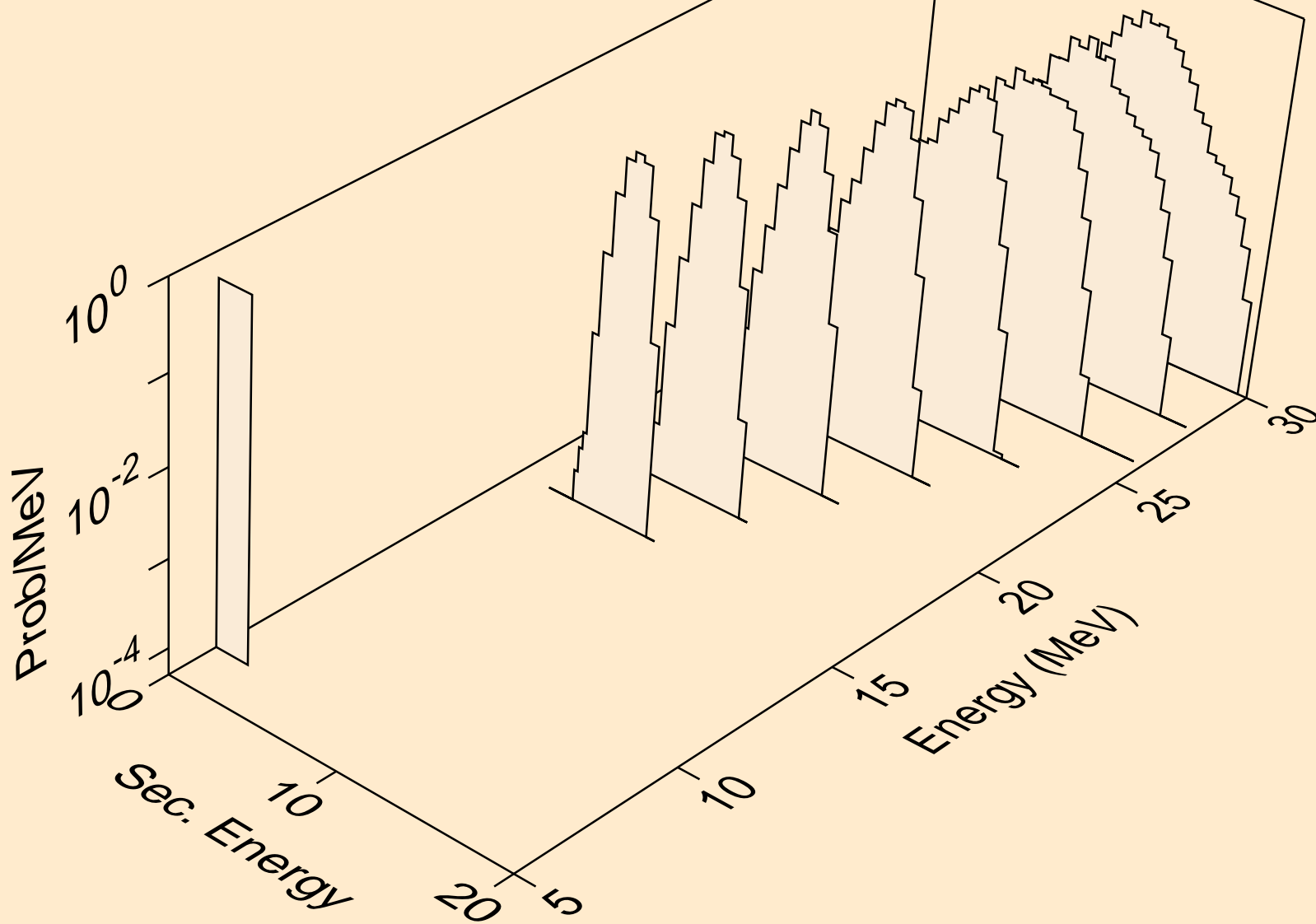
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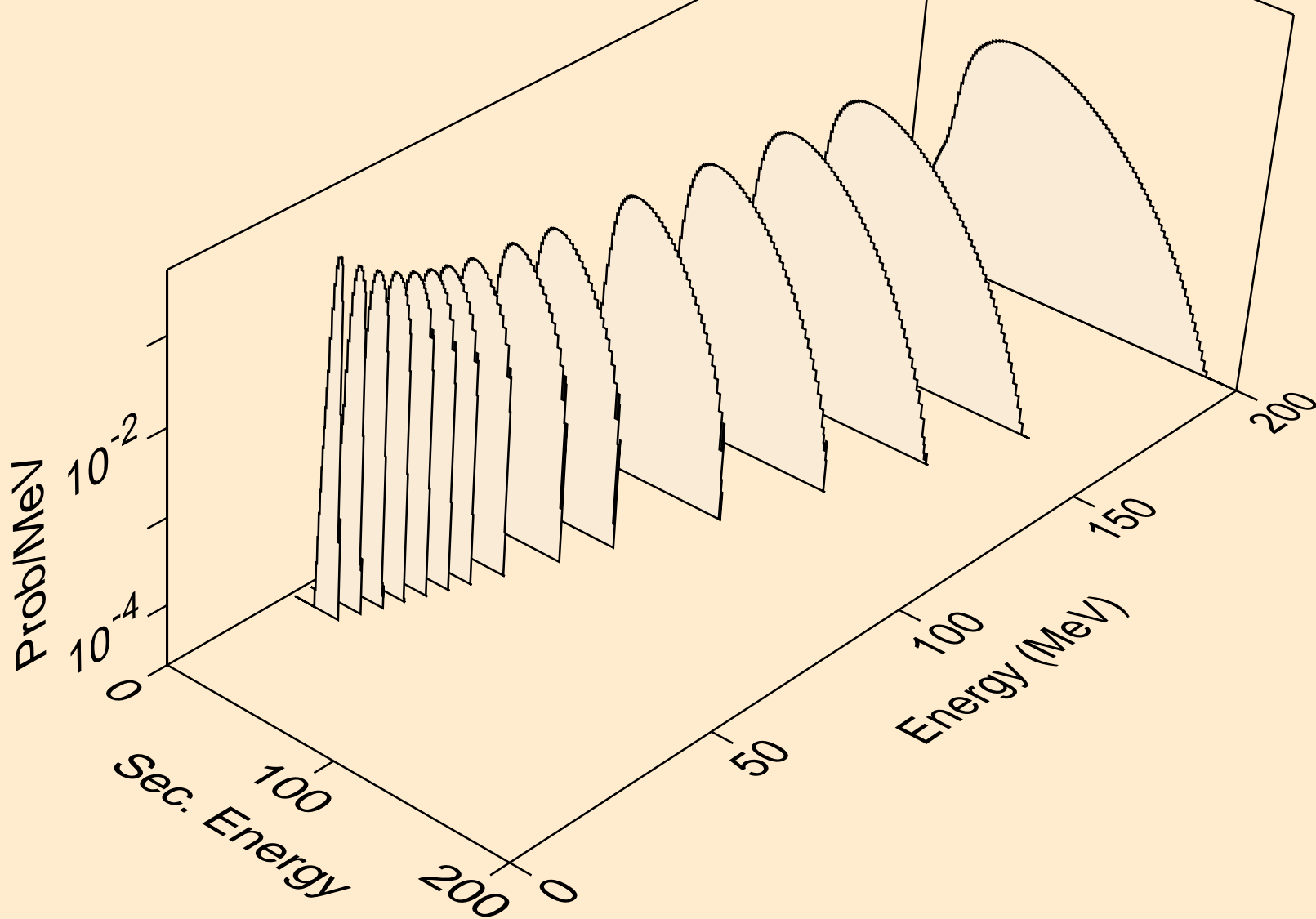
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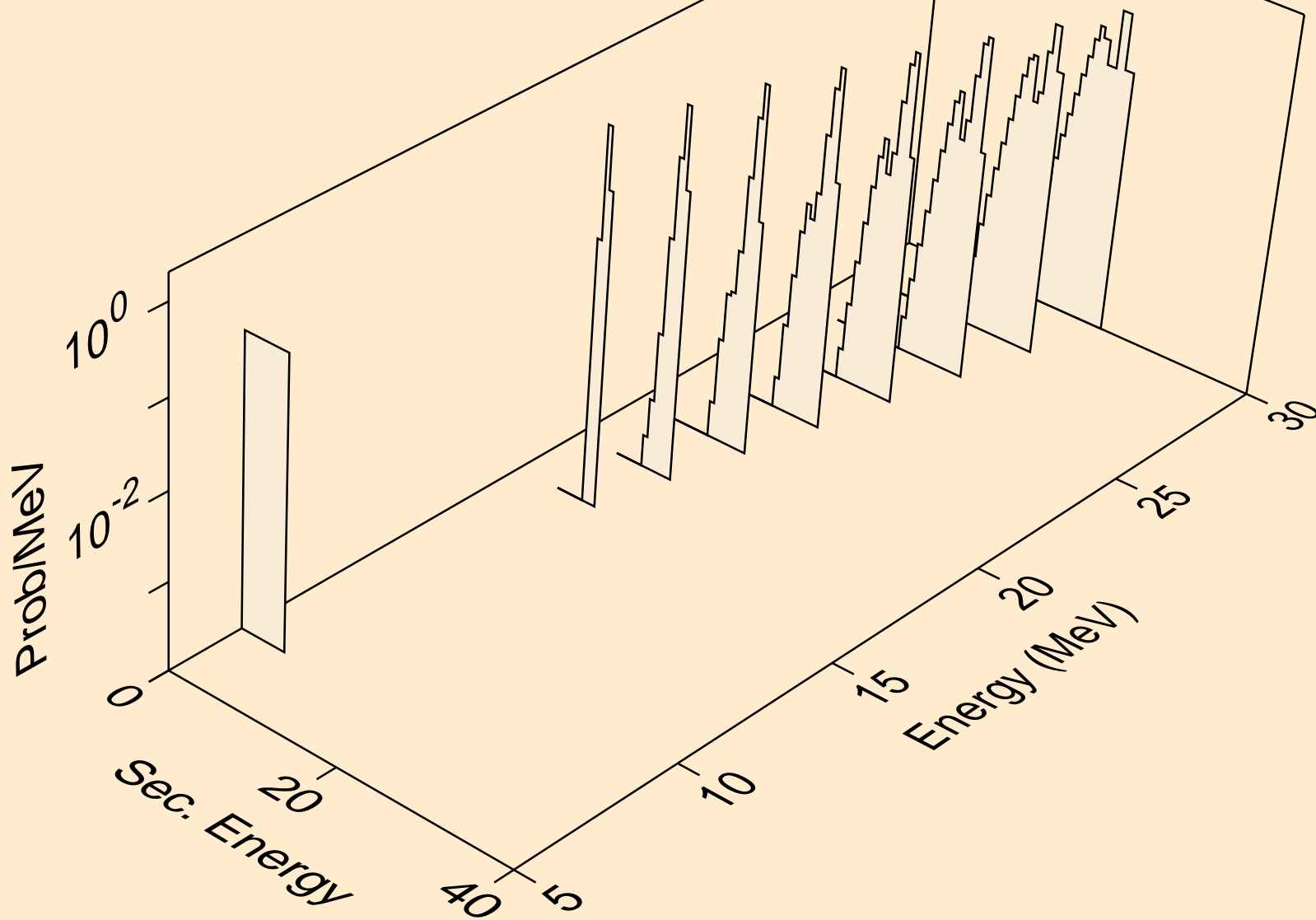
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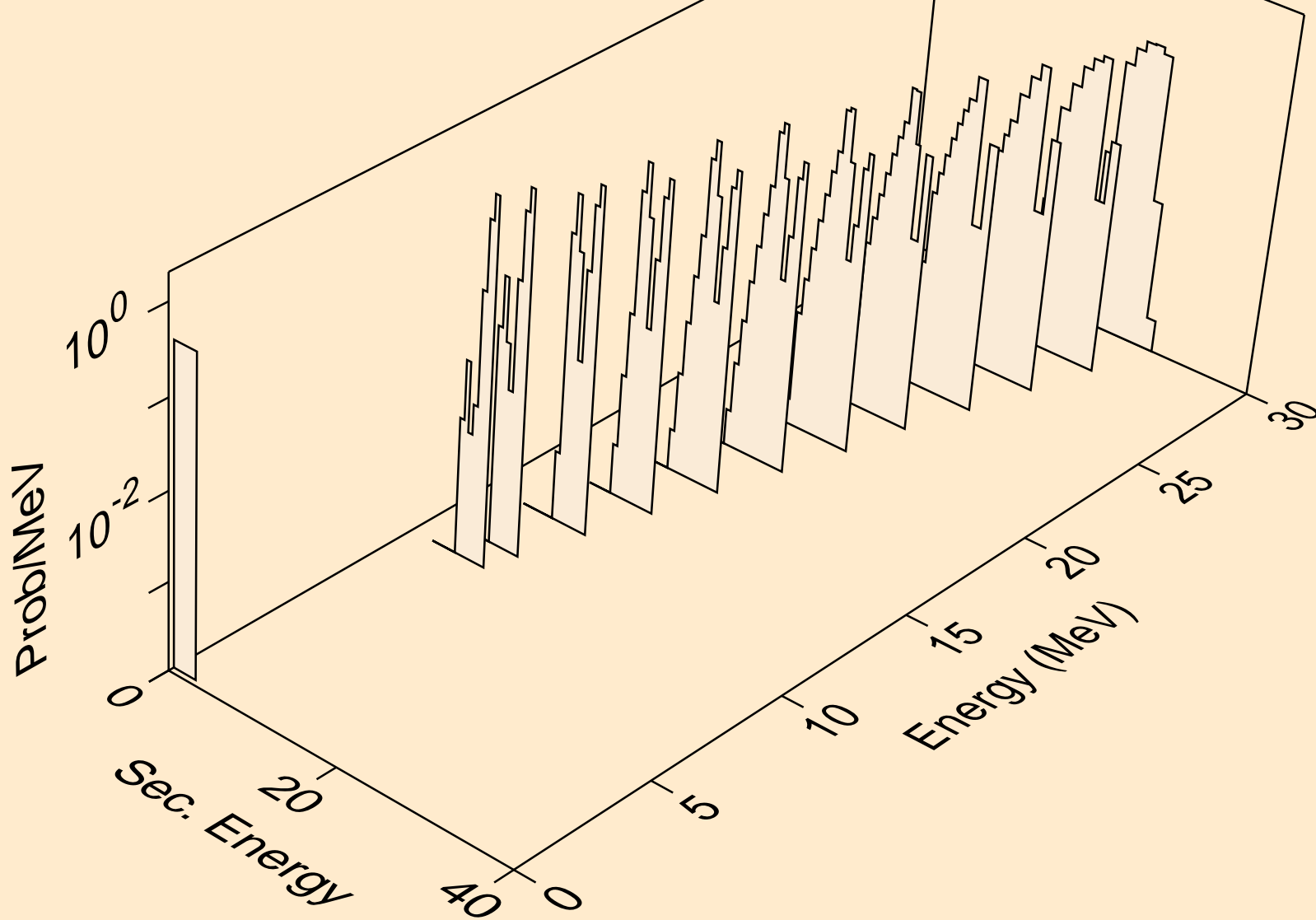
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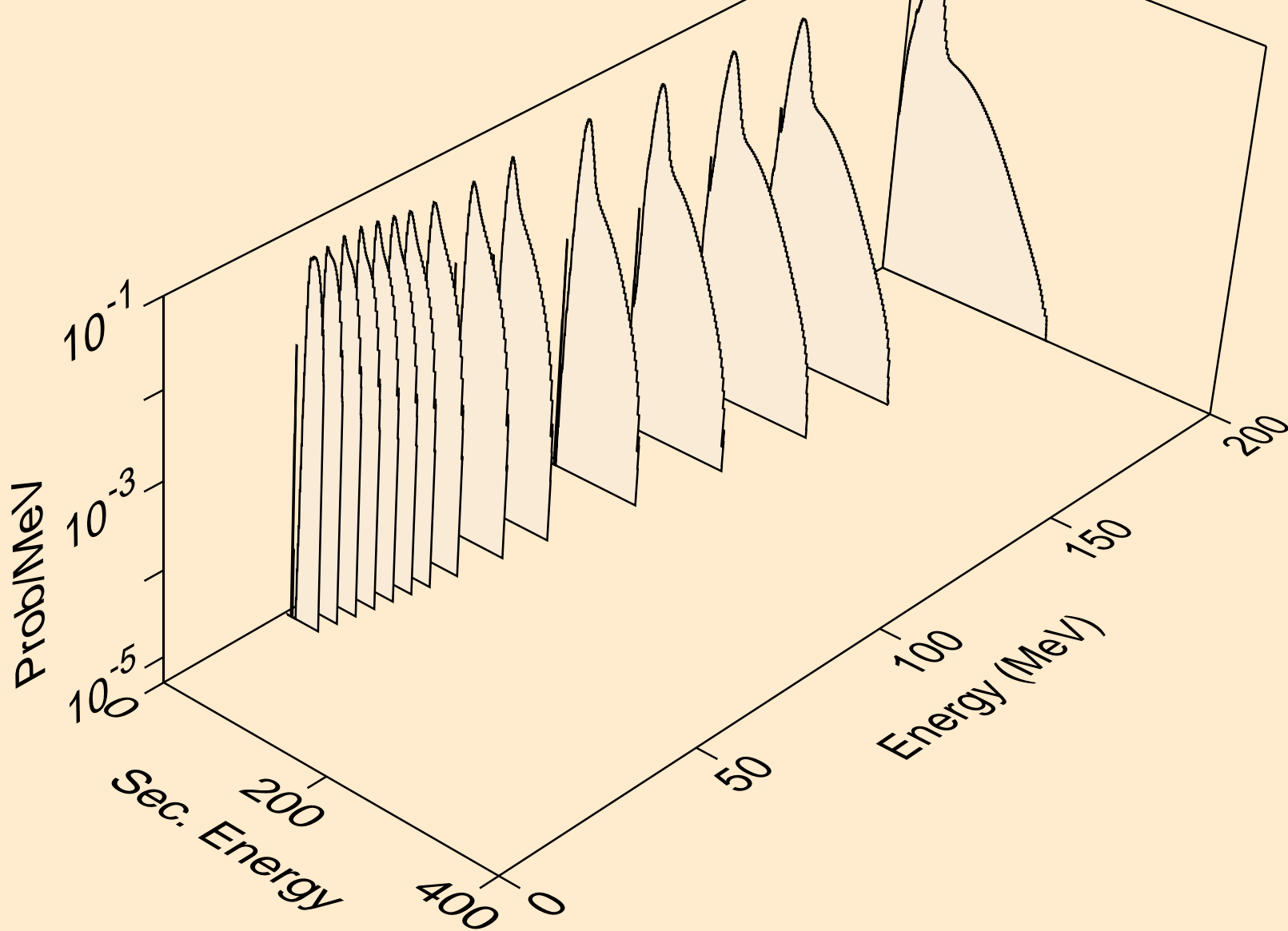
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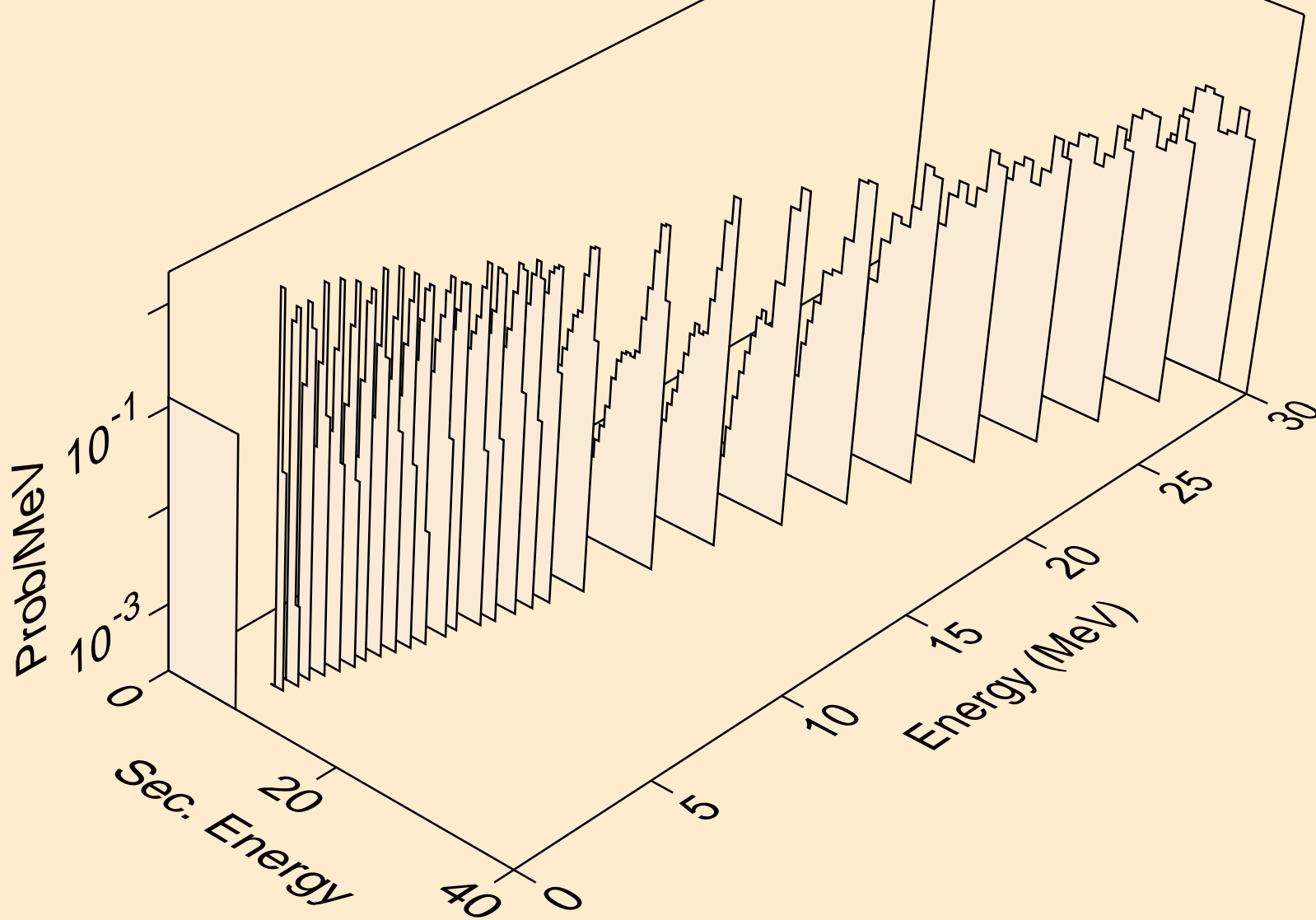
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CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
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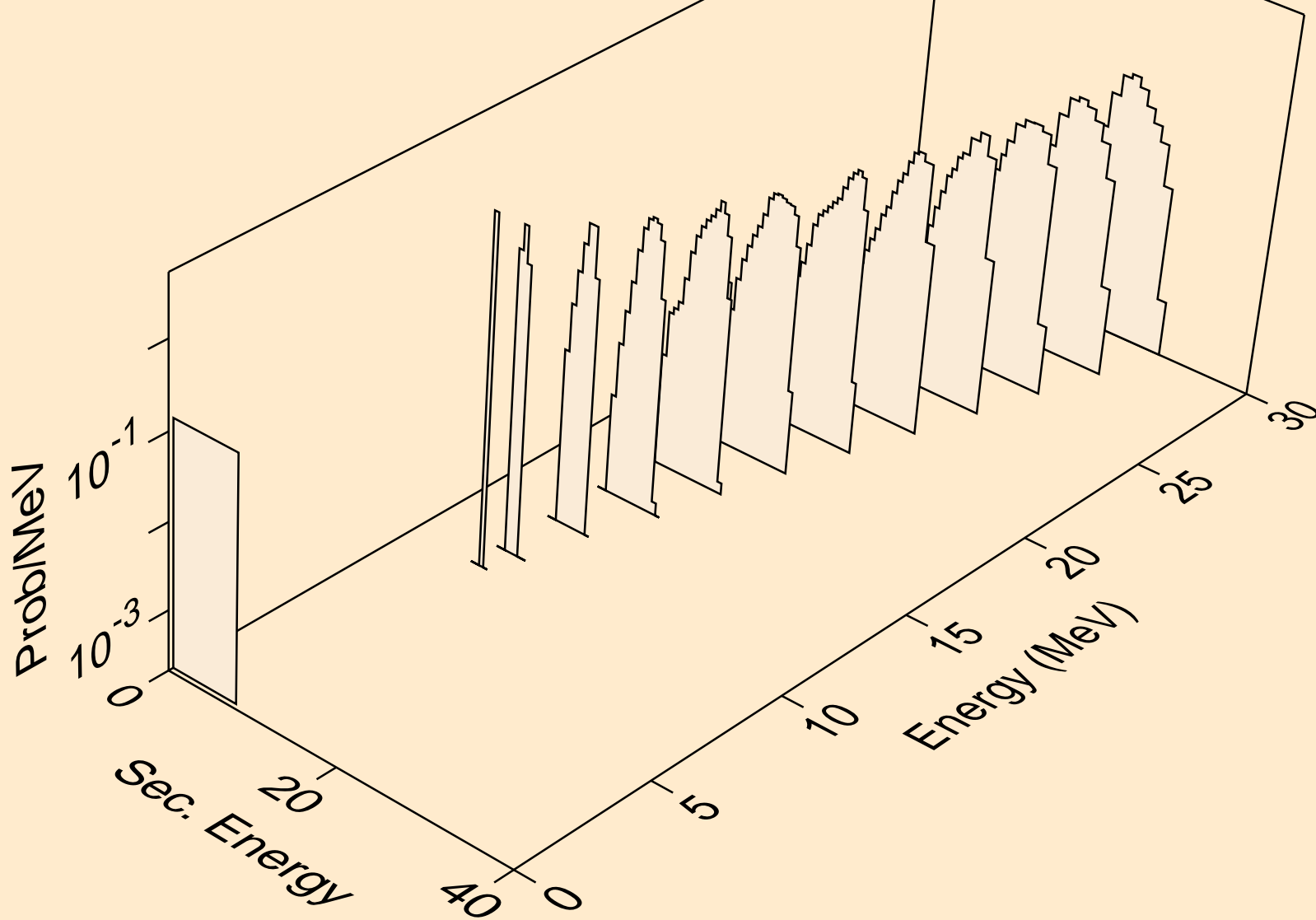


CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
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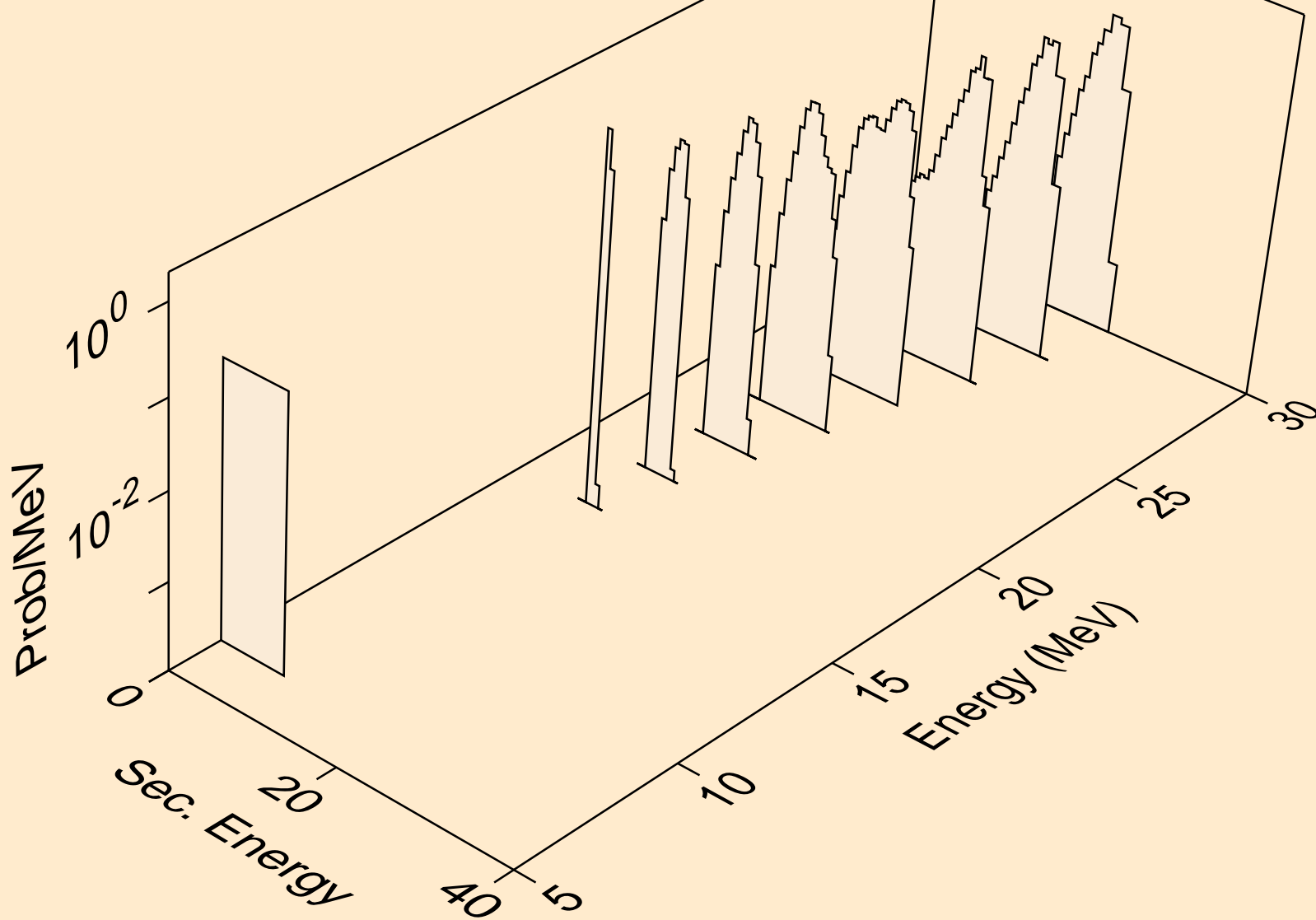




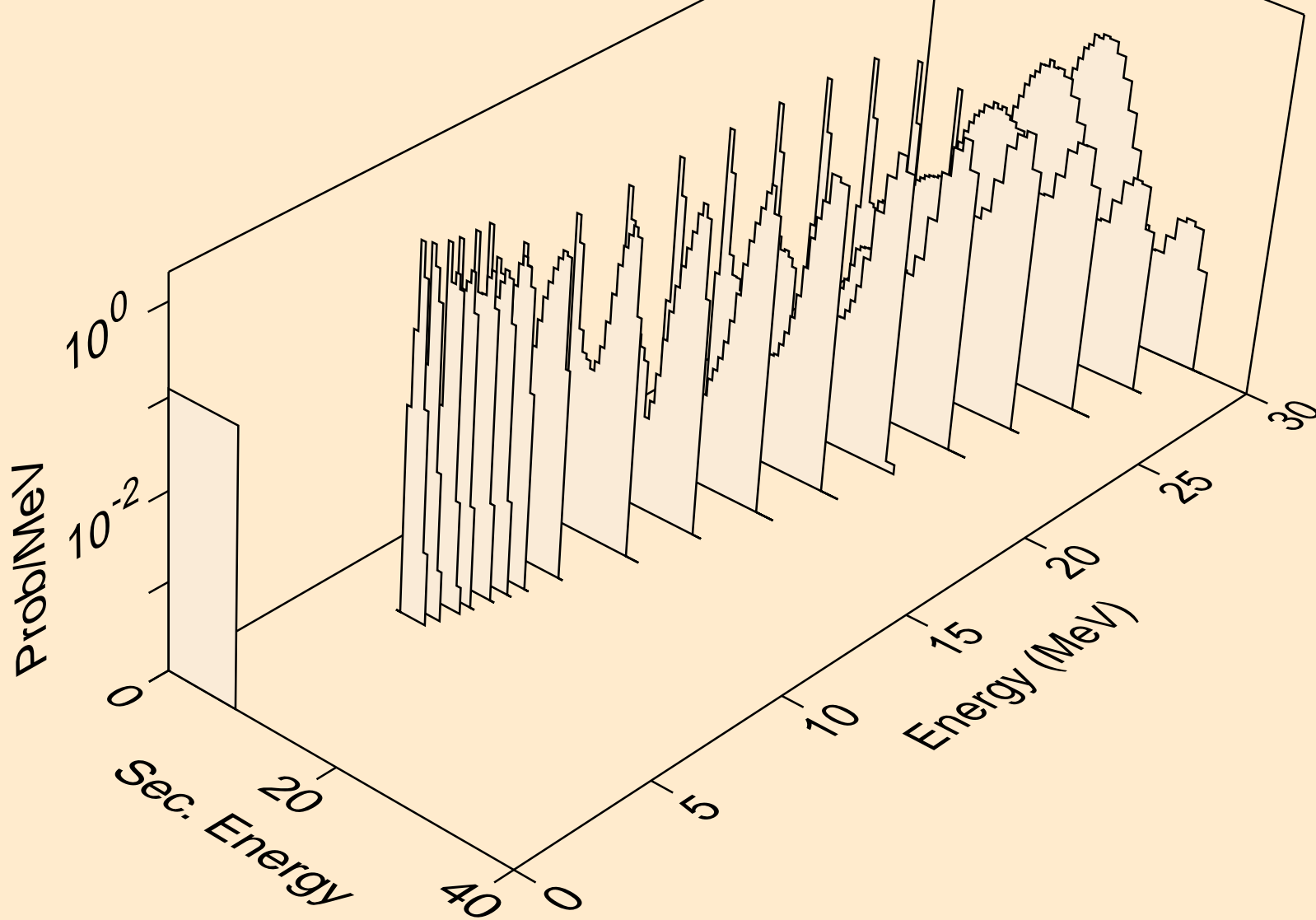
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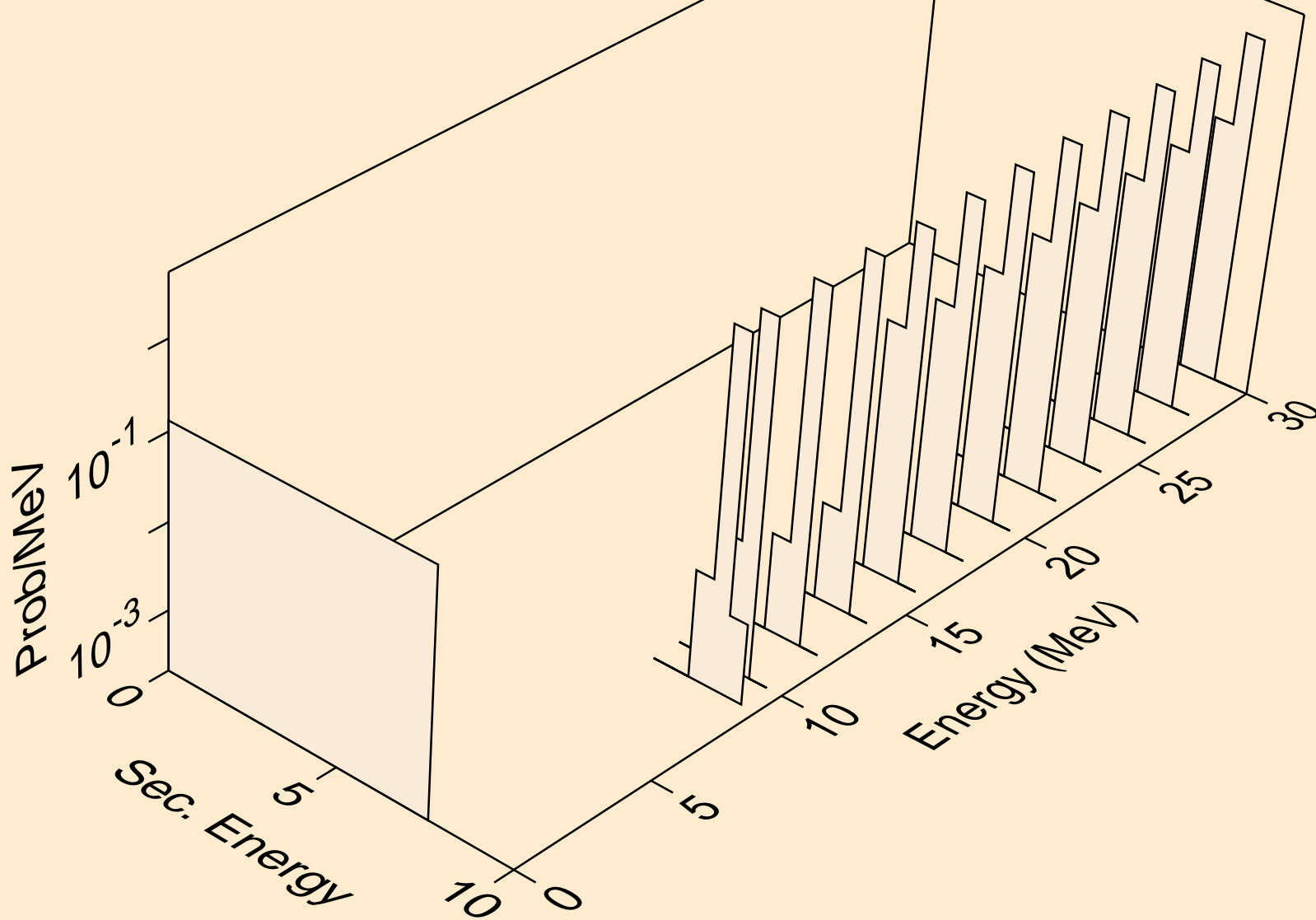
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alphas from (n,3n)a



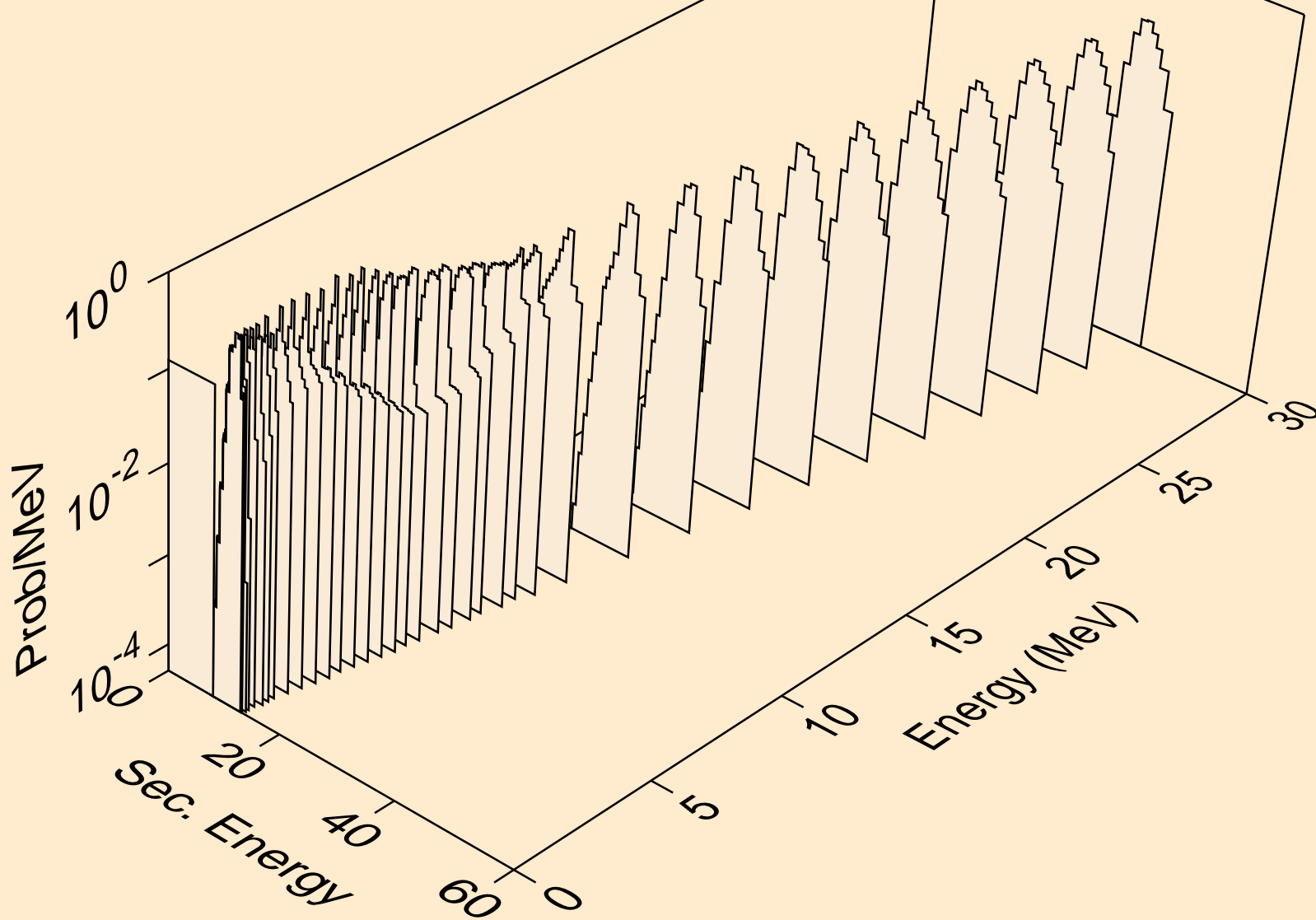
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a



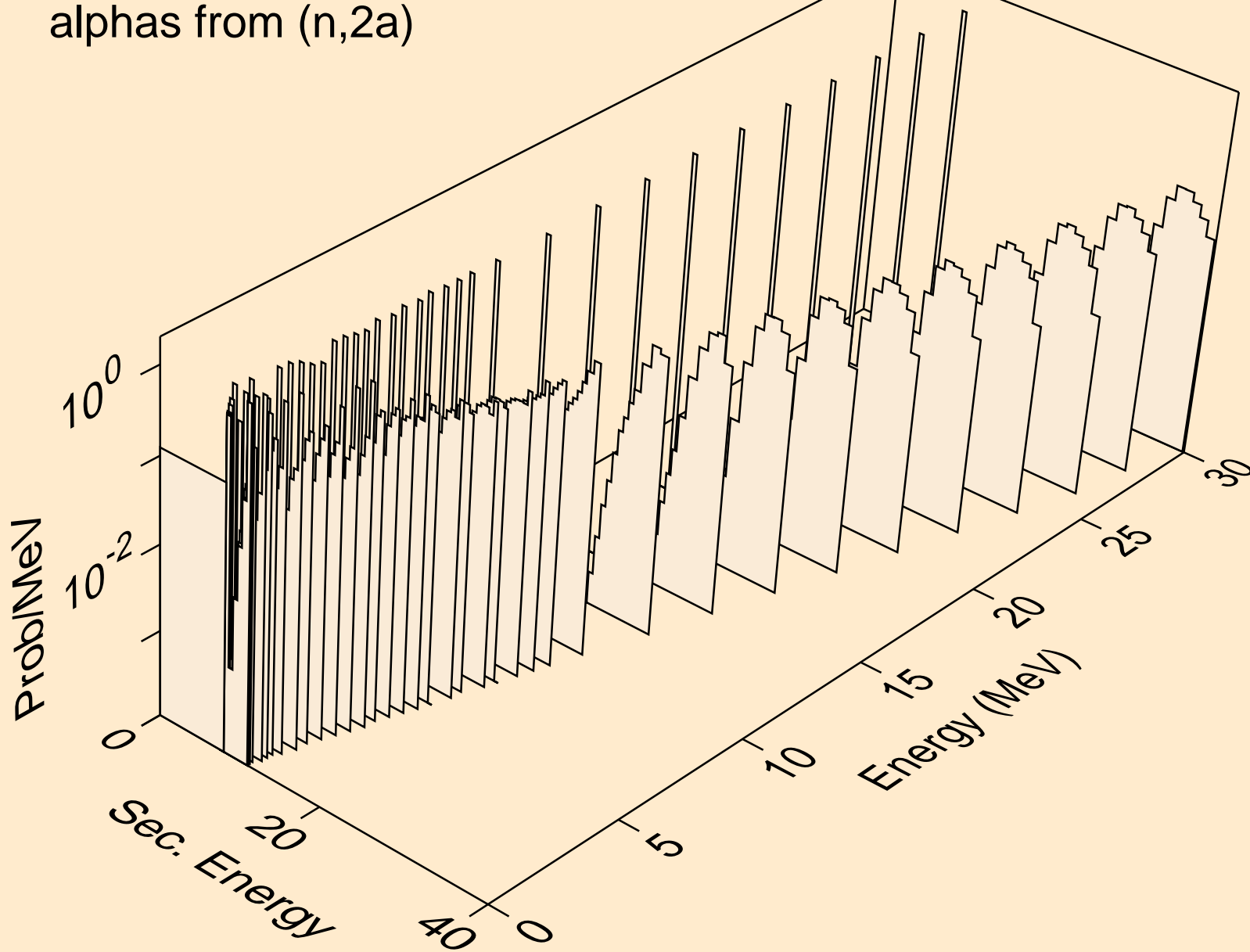
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alphas from (n,npa)



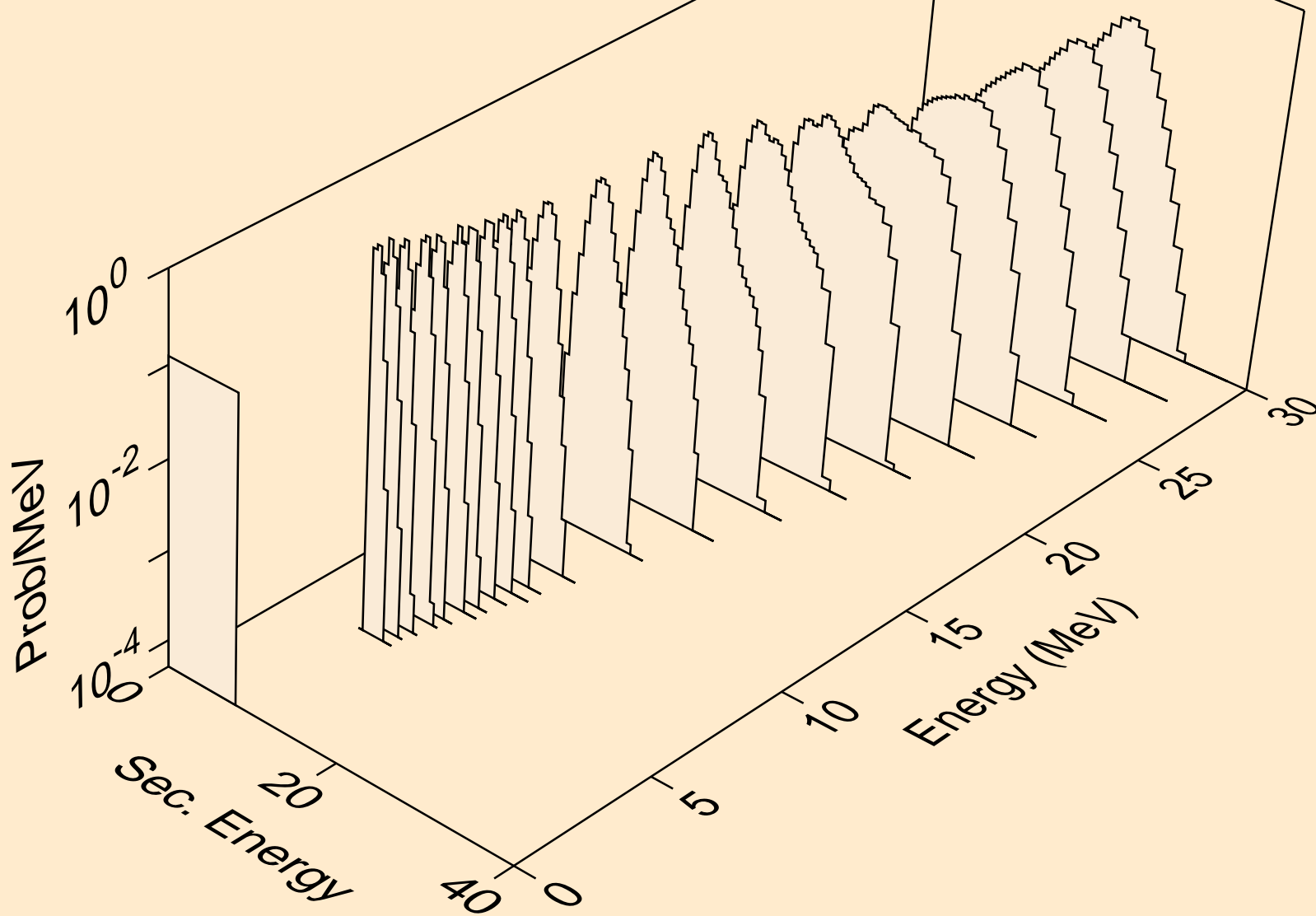
CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)



CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)



CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



CF244 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

