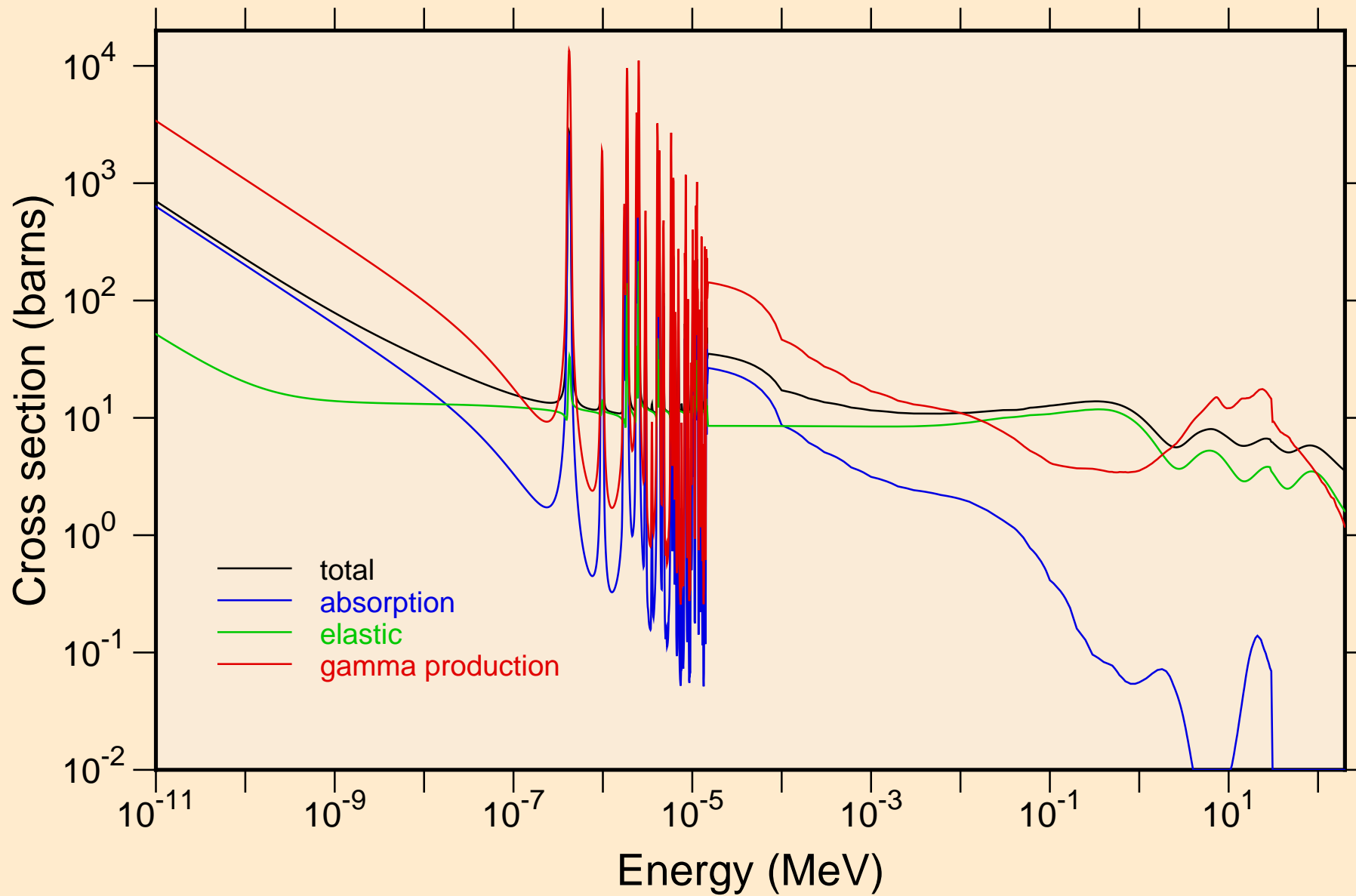
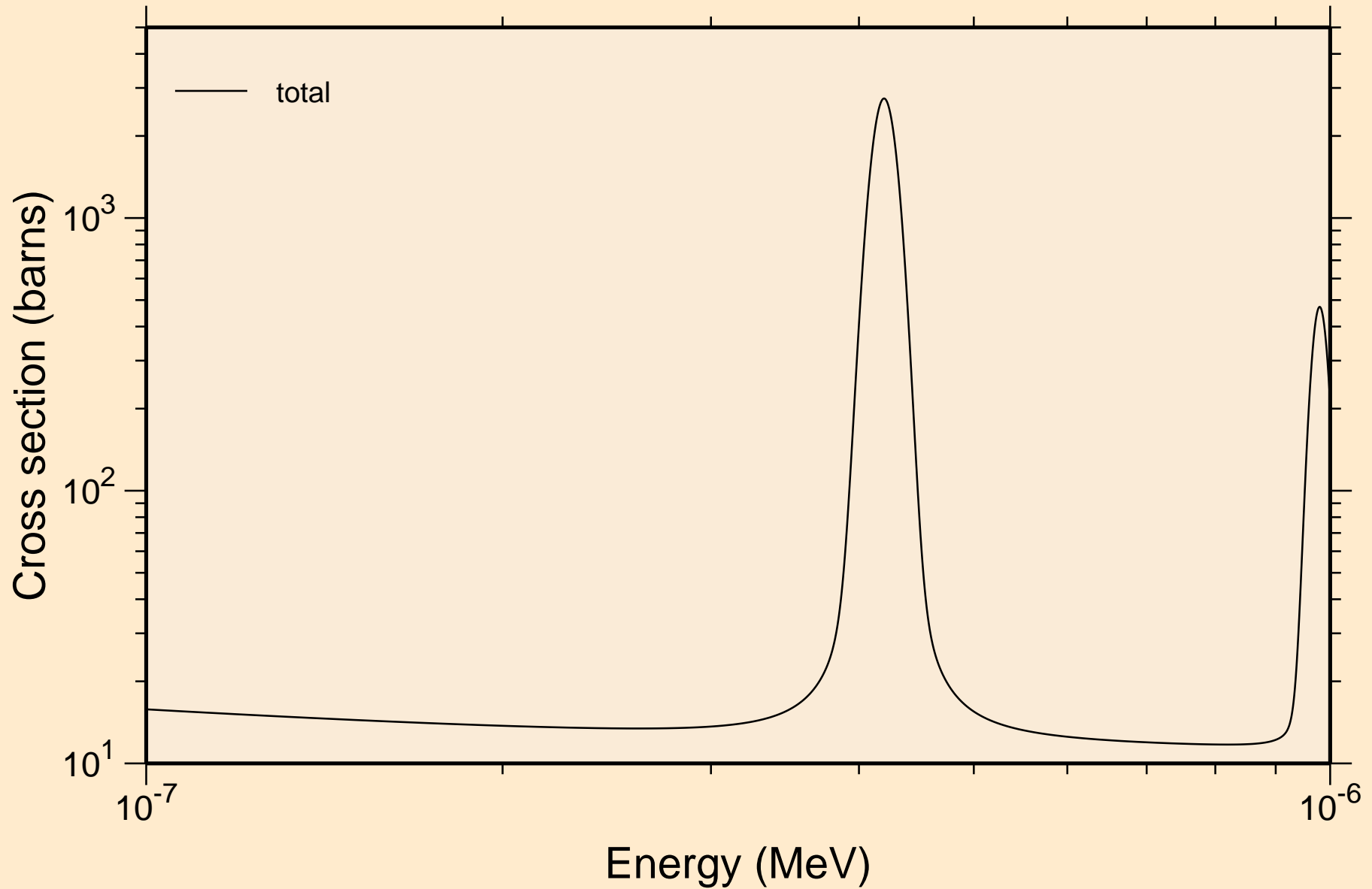


# AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

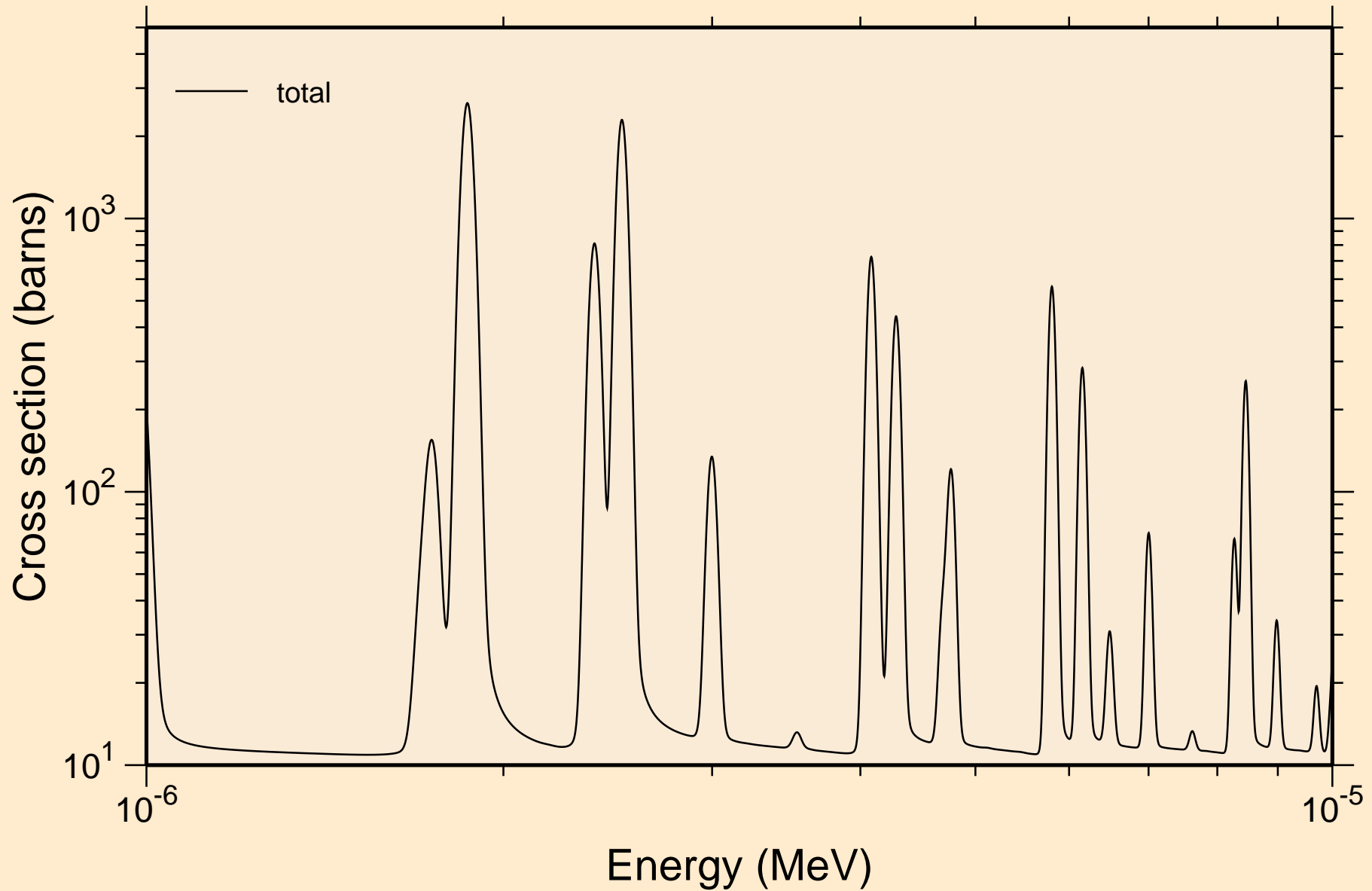
## Principal cross sections



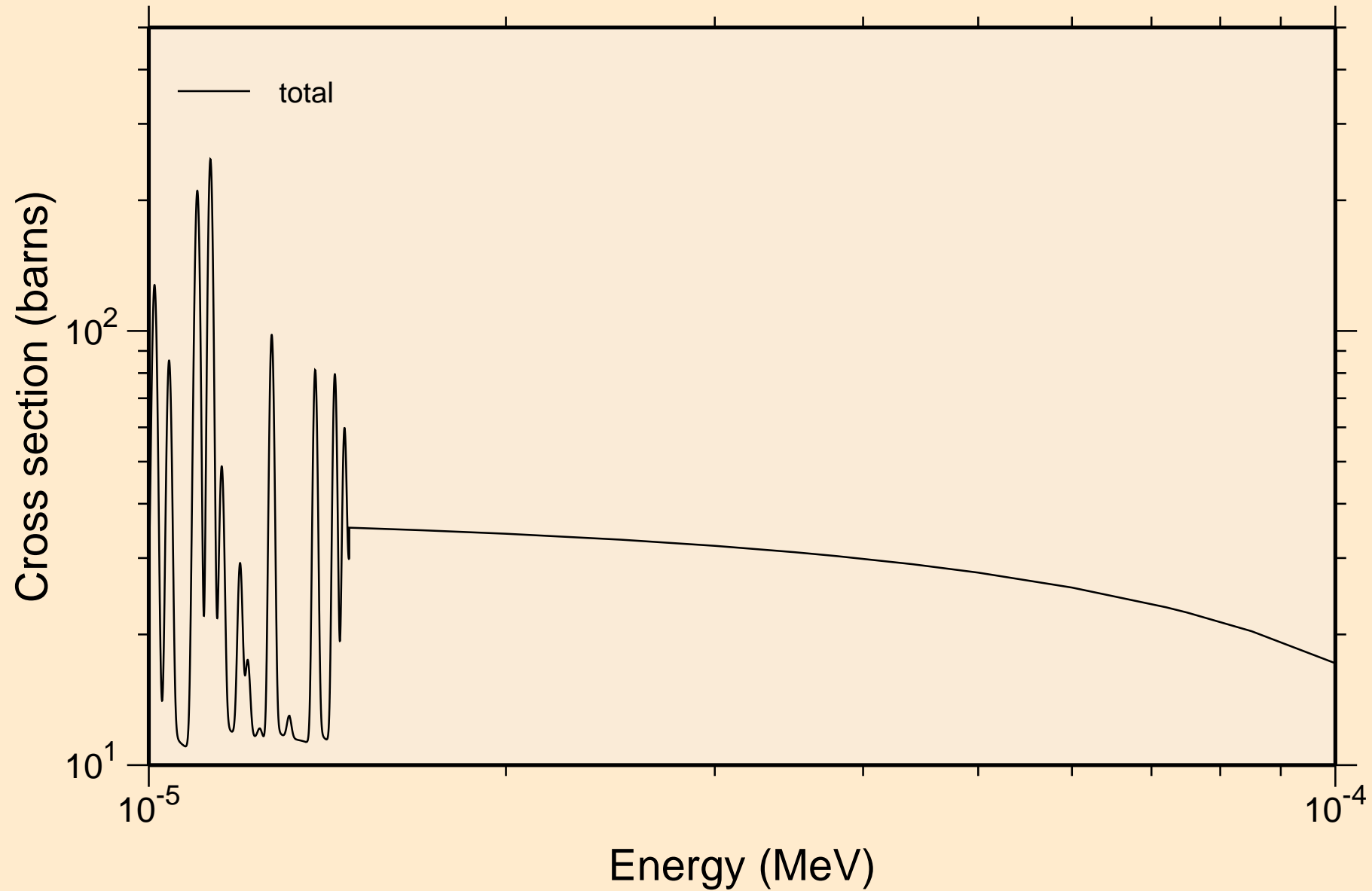
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



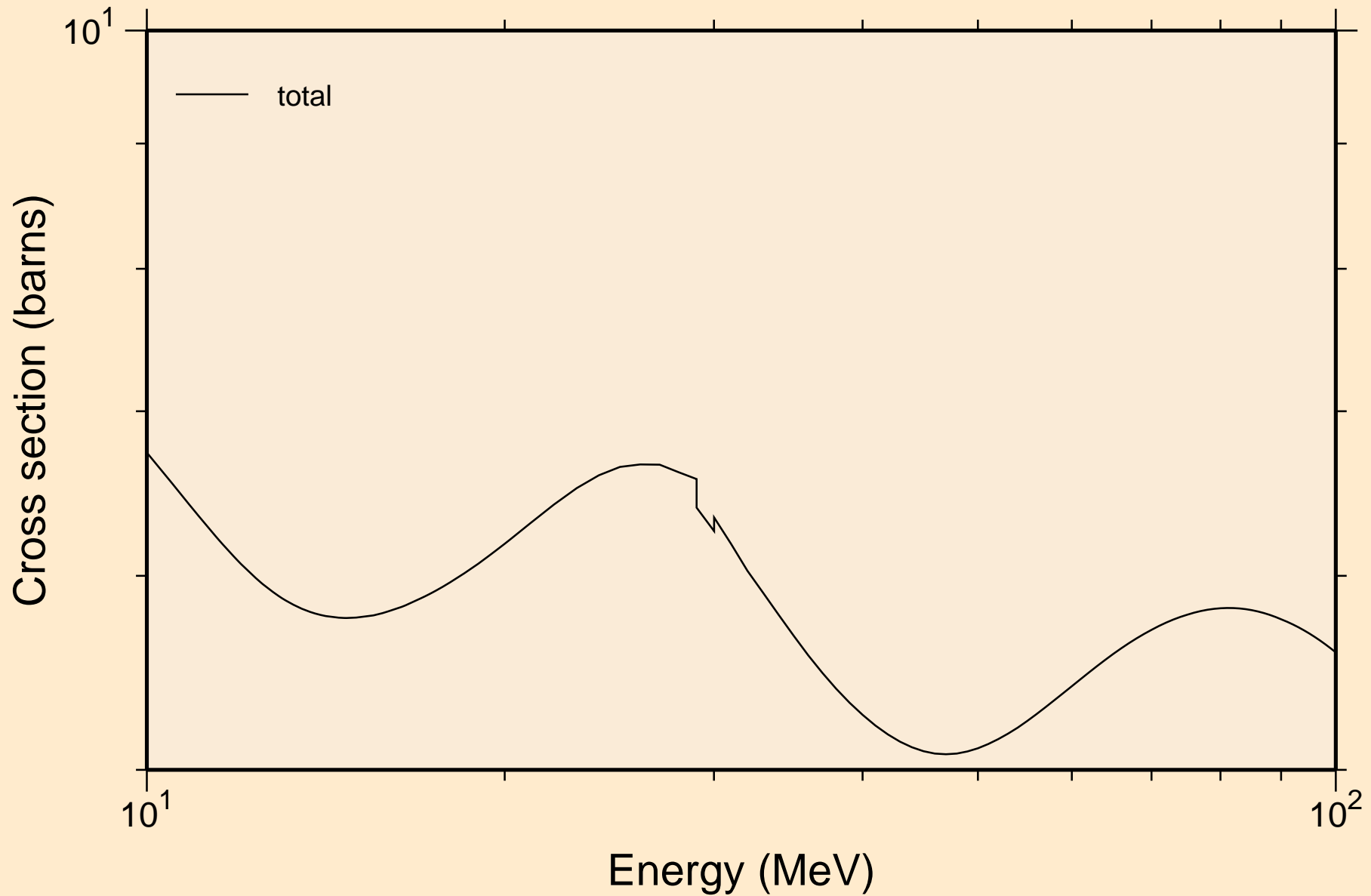
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



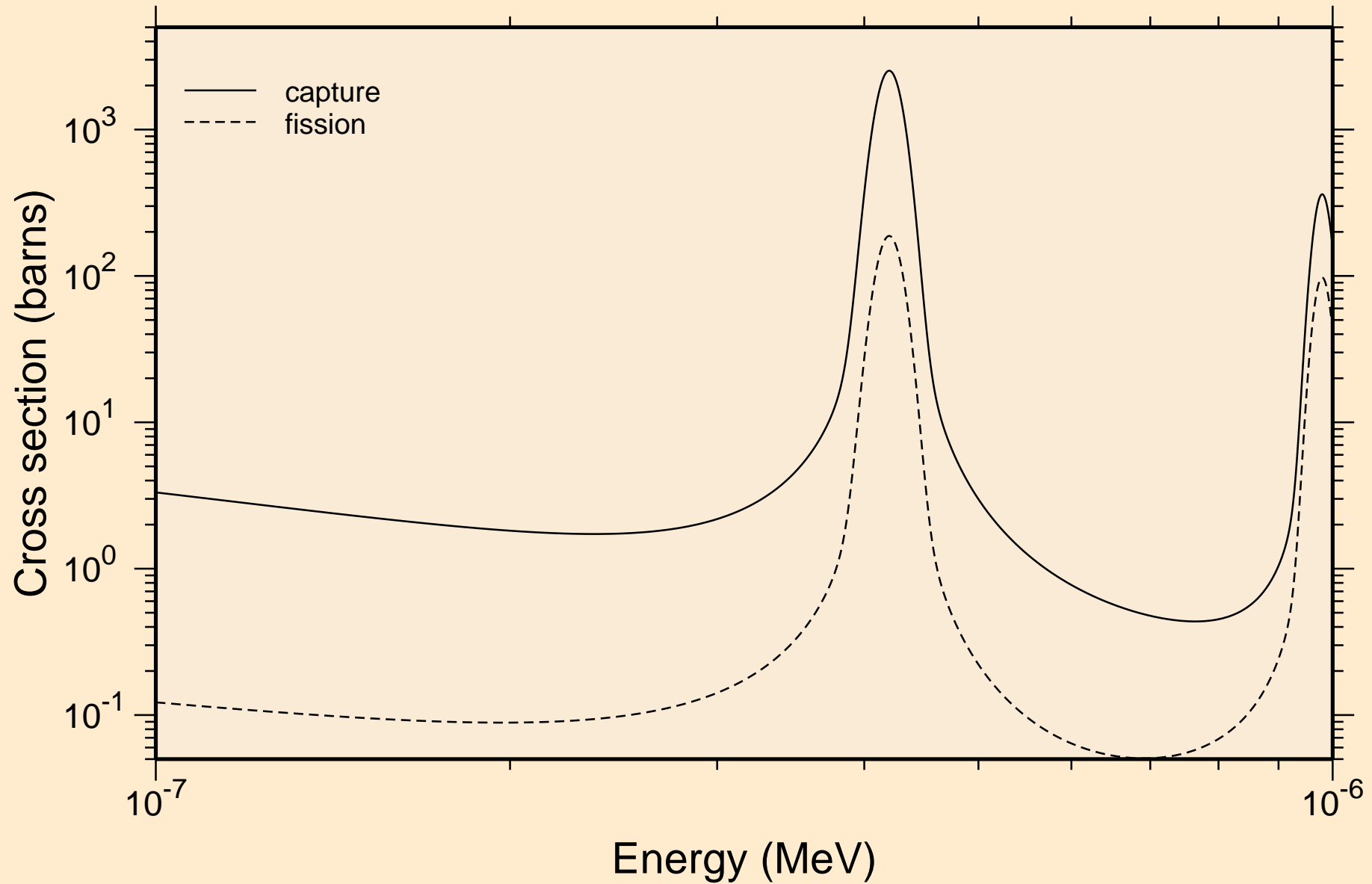
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



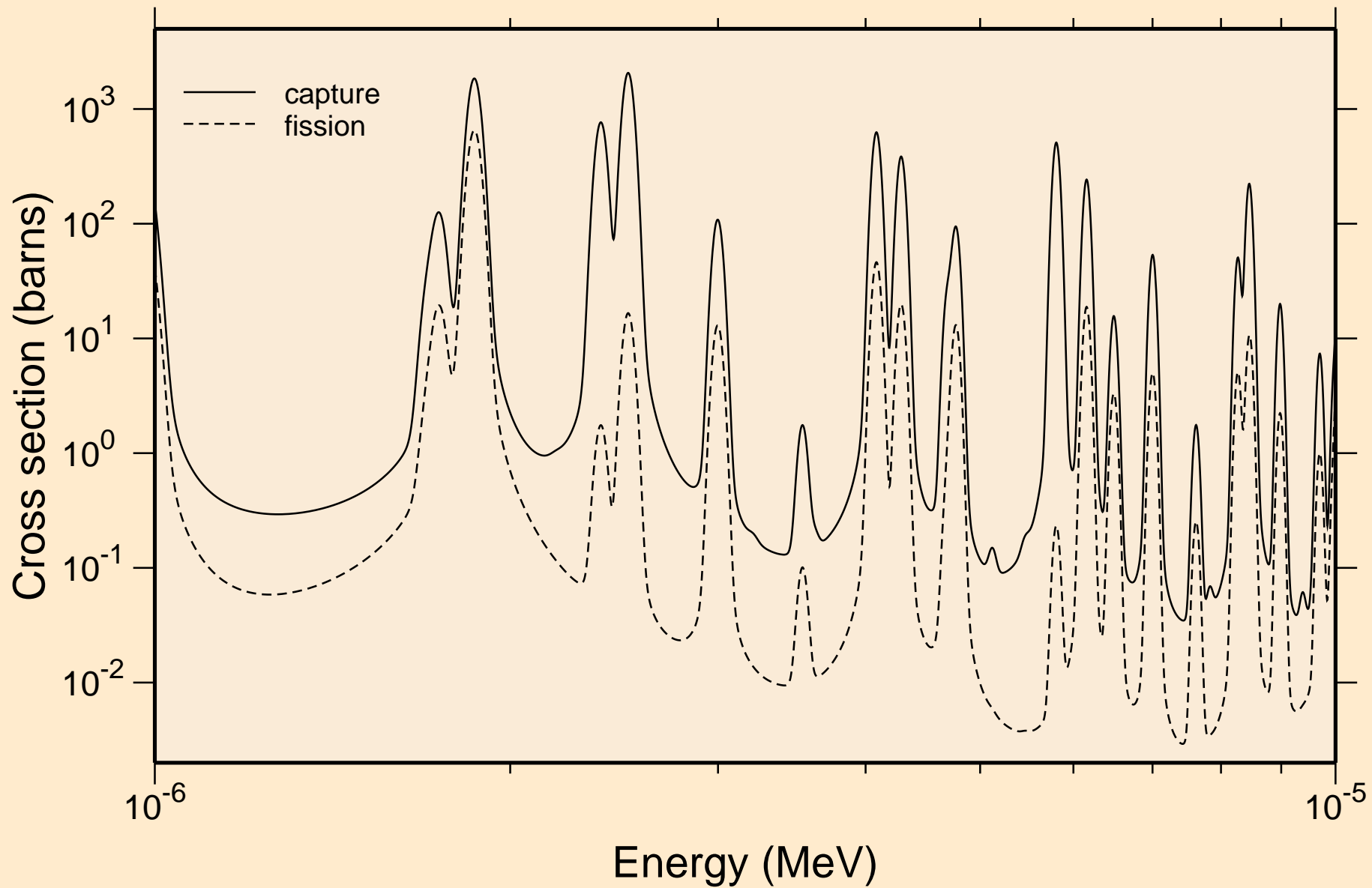
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



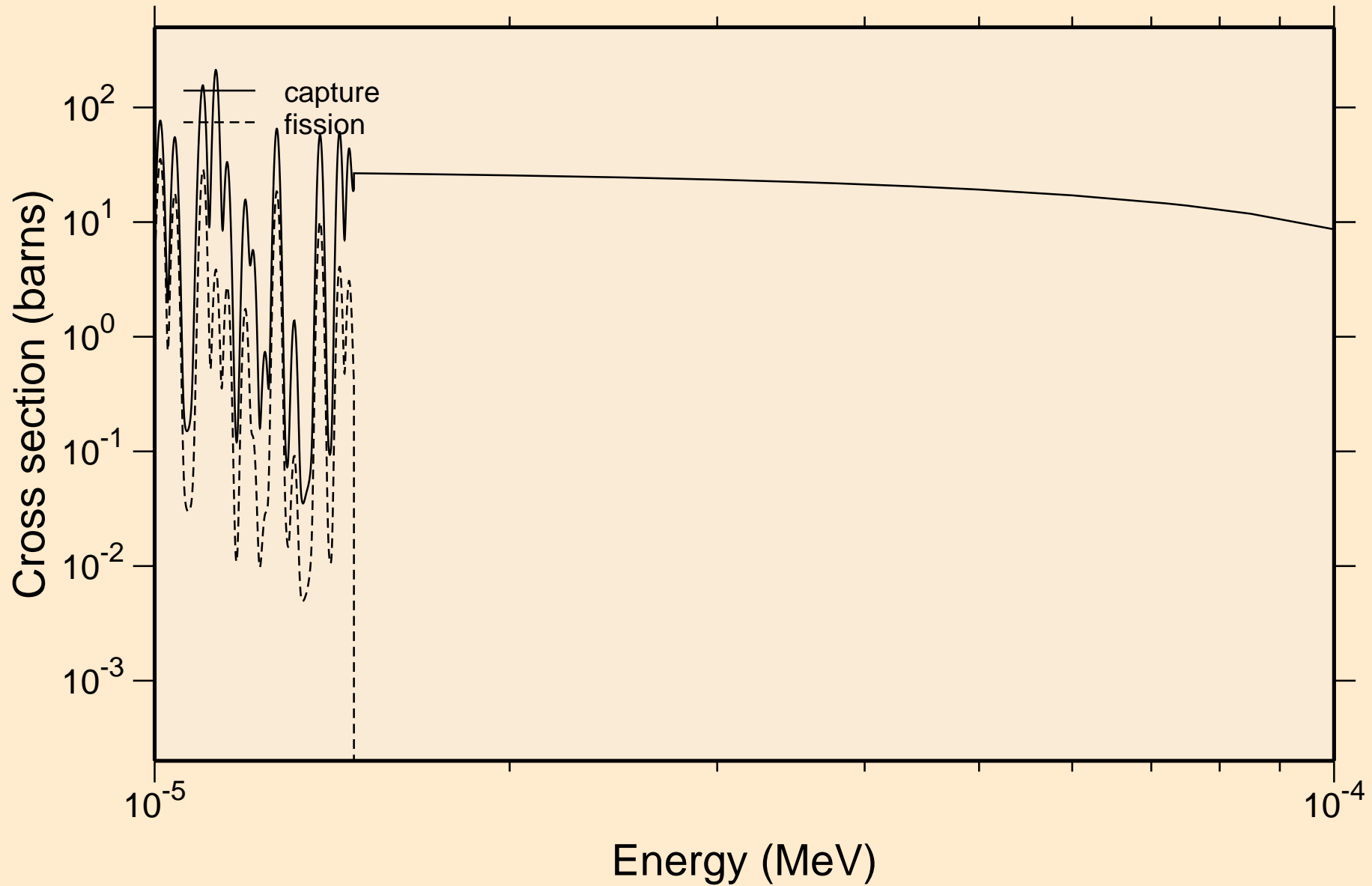
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

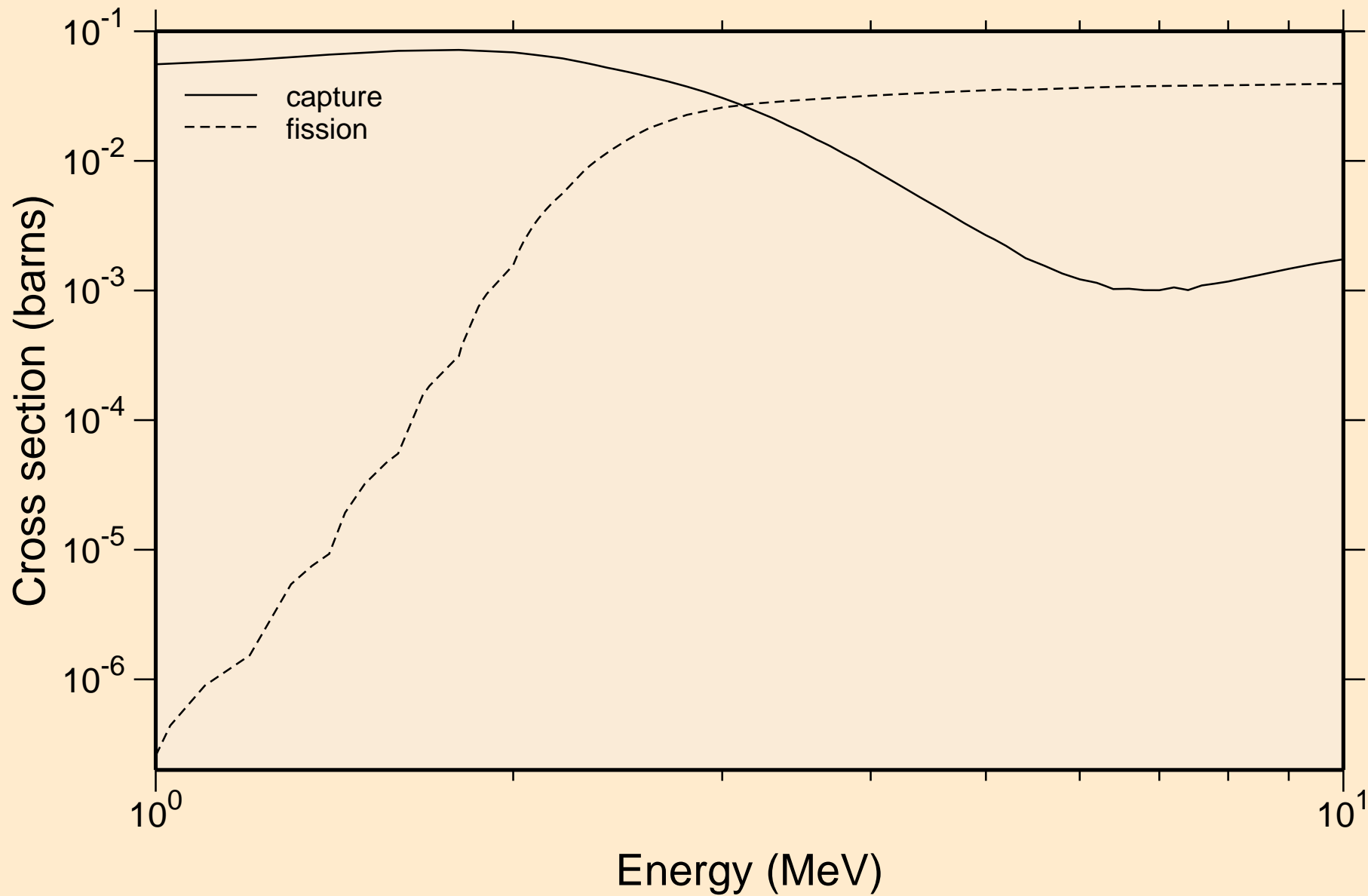


AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

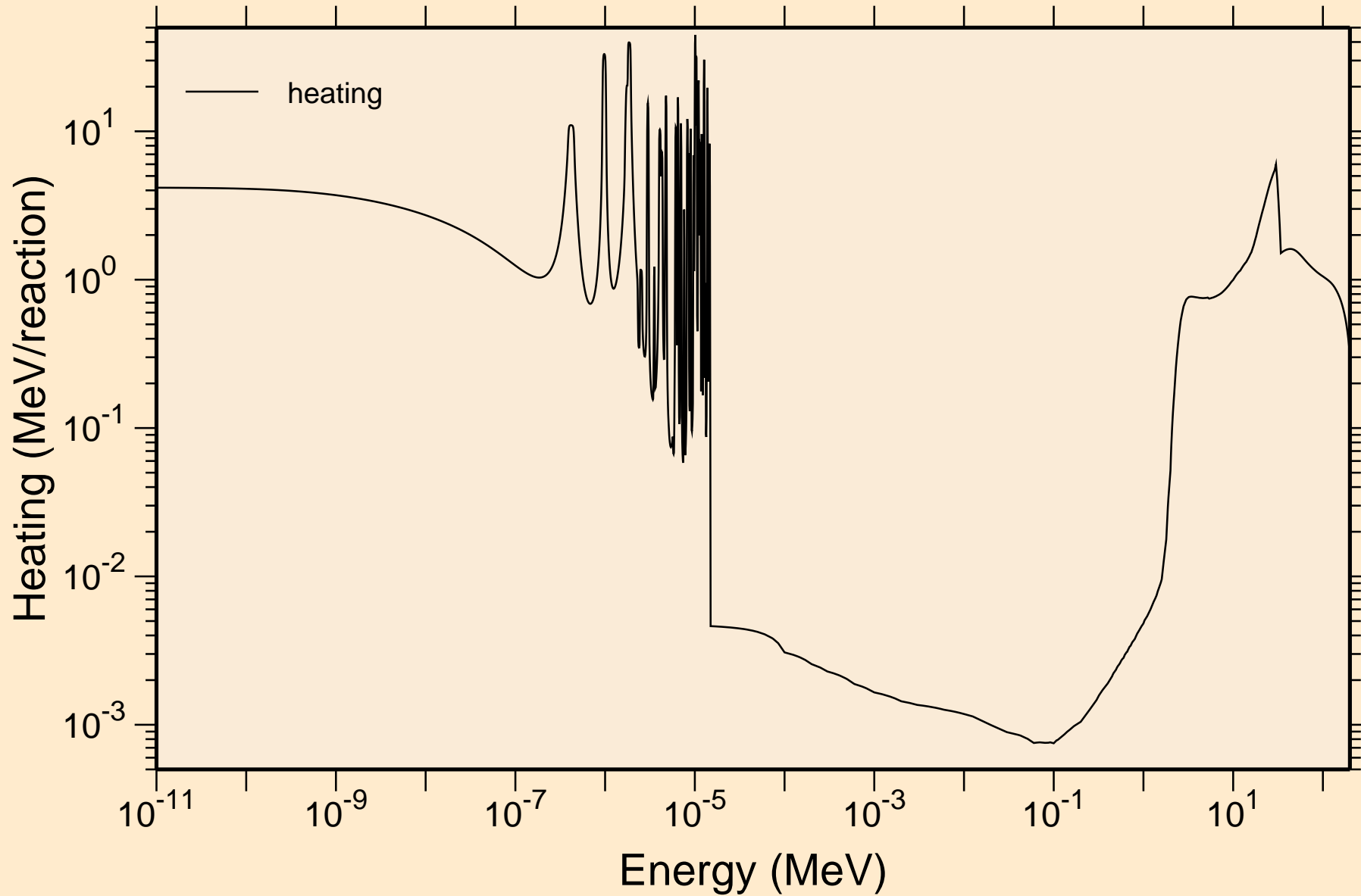




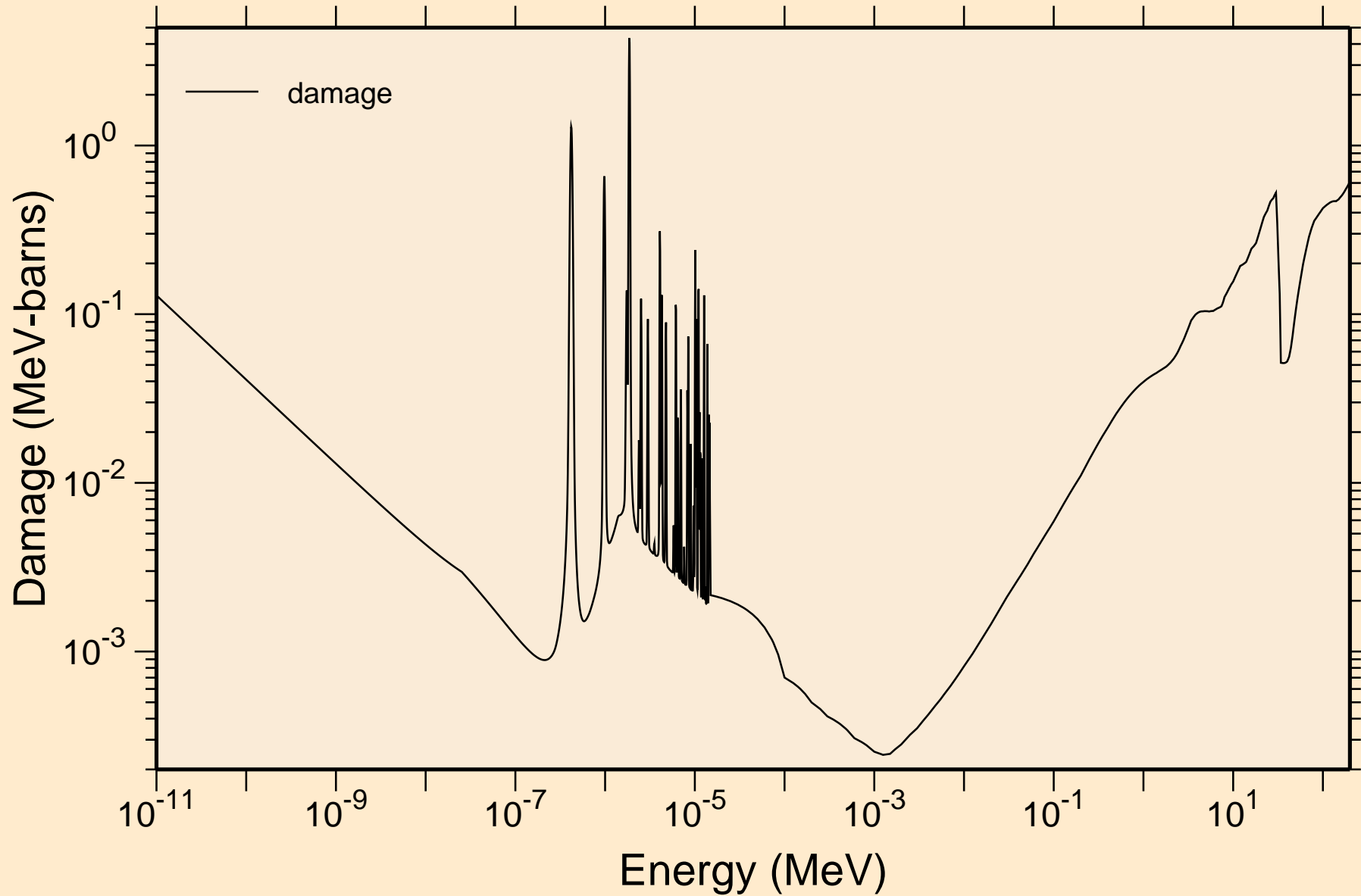
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating

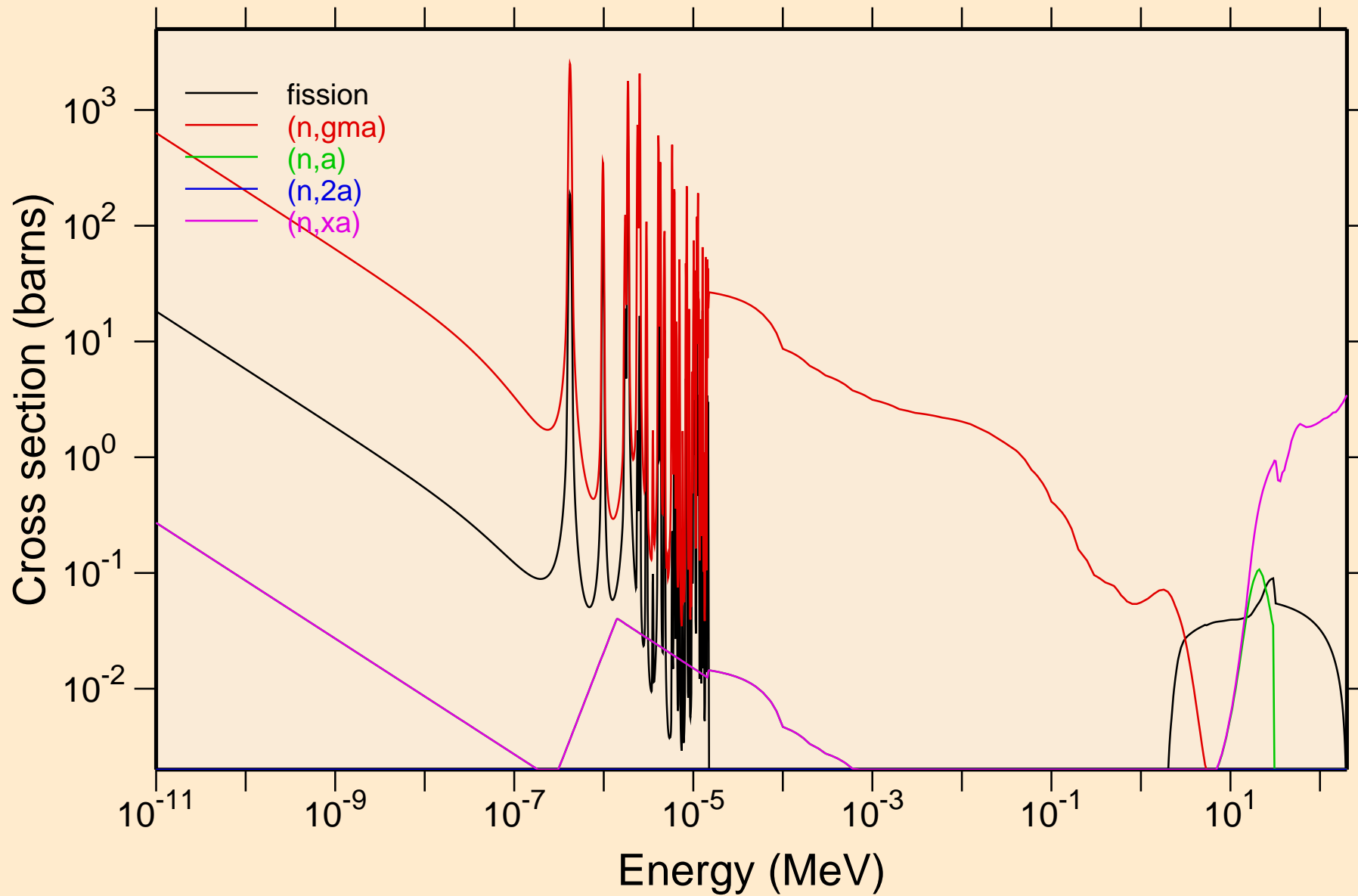


AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage



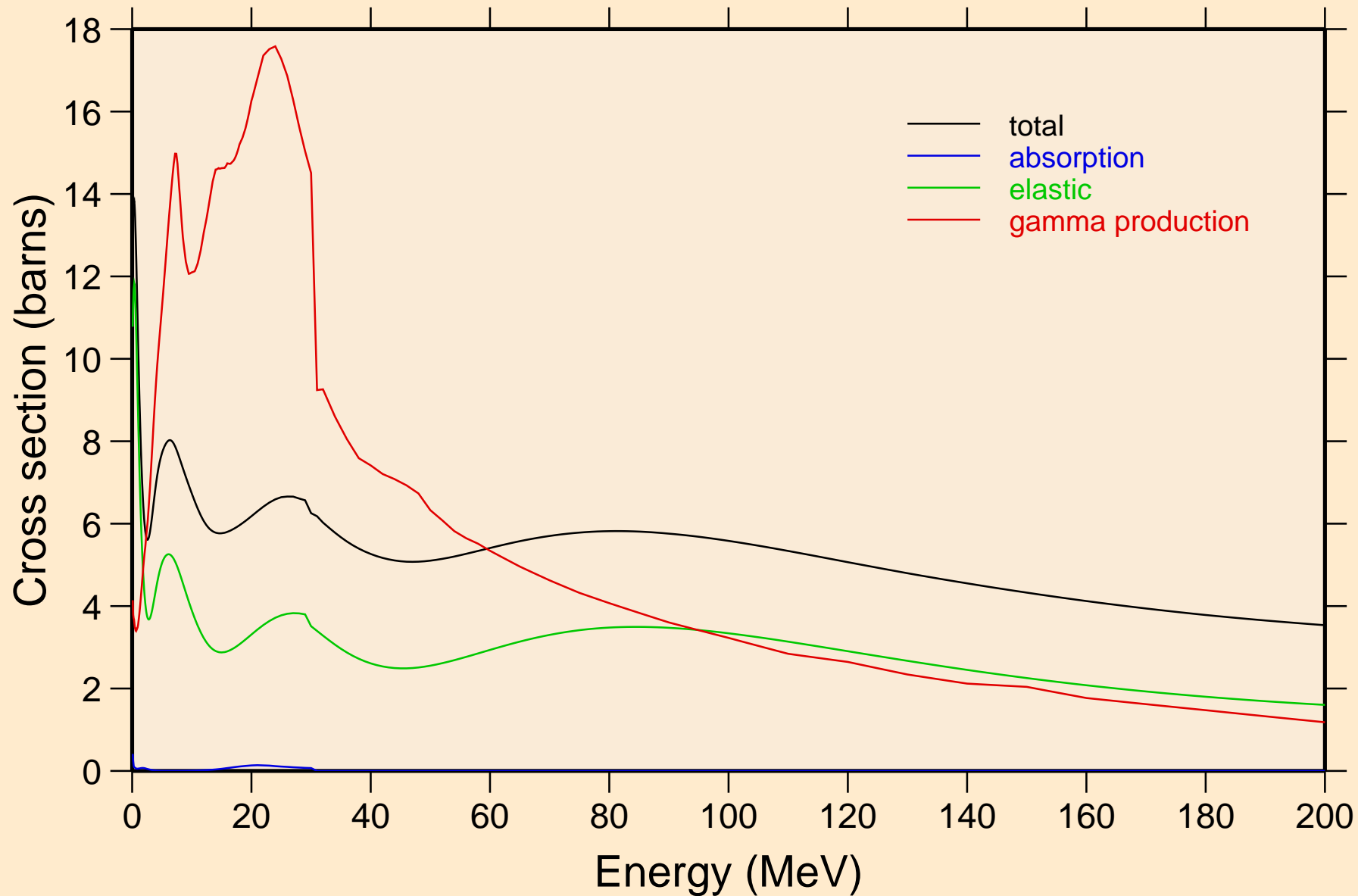
# AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Non-threshold reactions

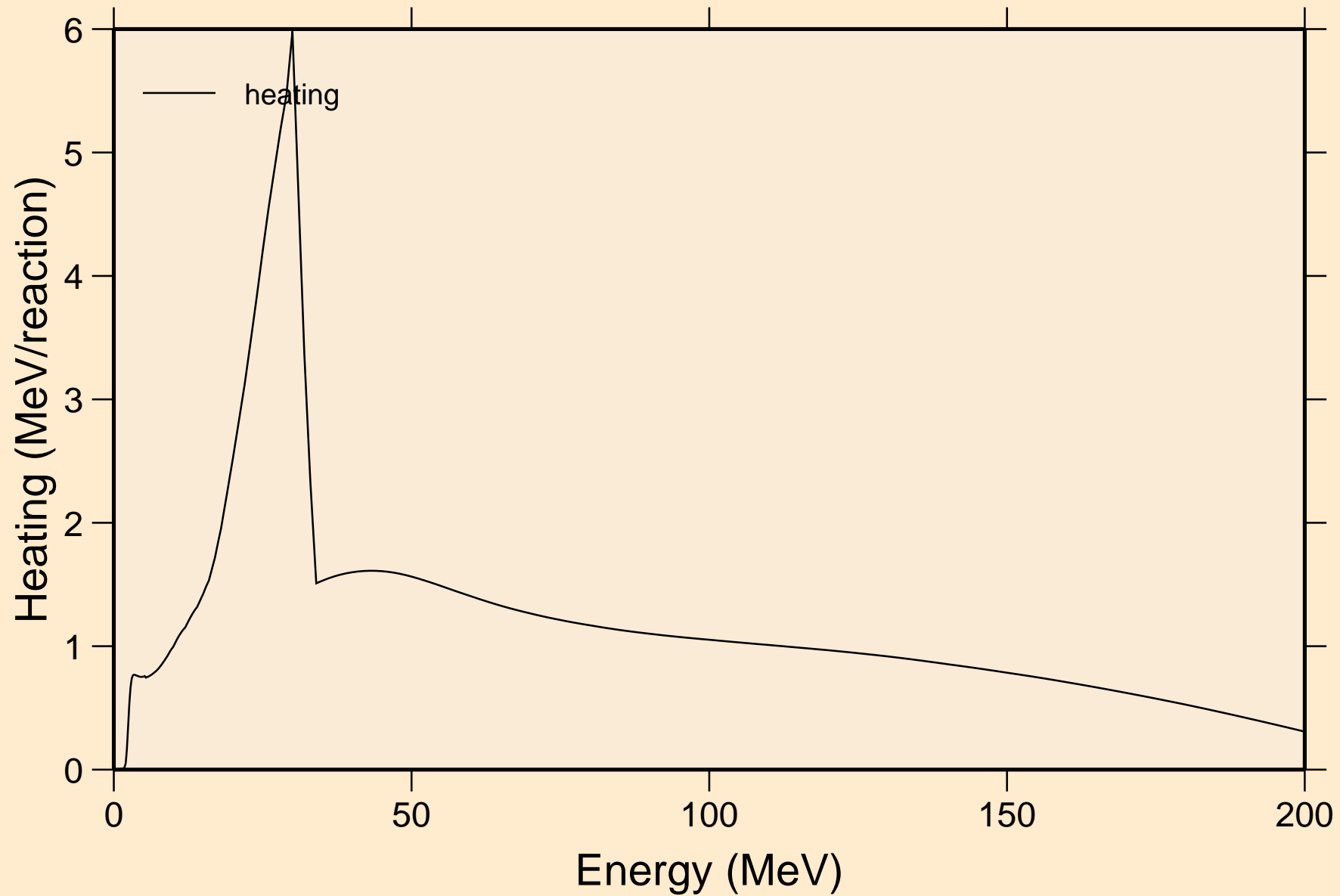


# AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

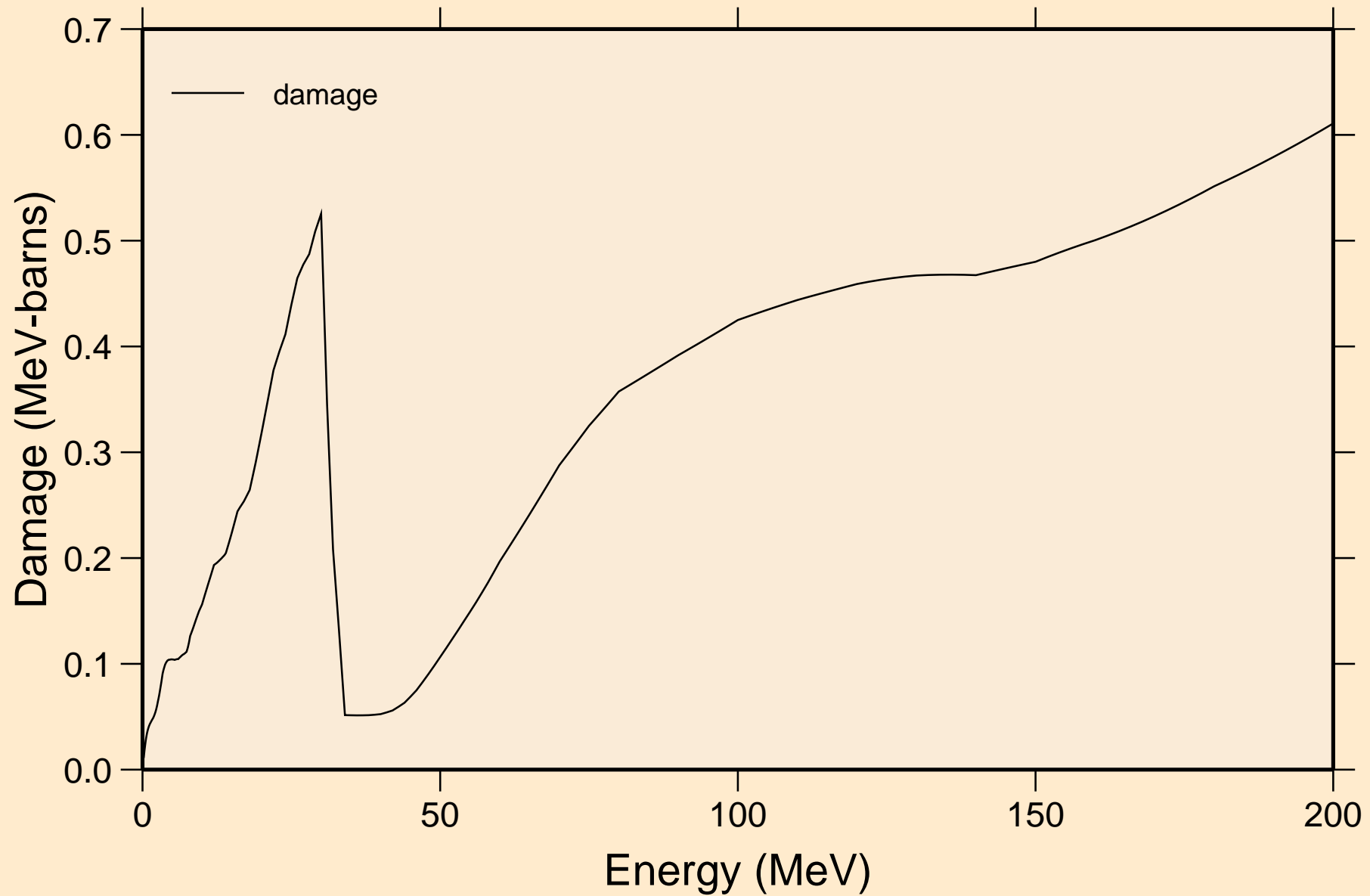
## Principal cross sections



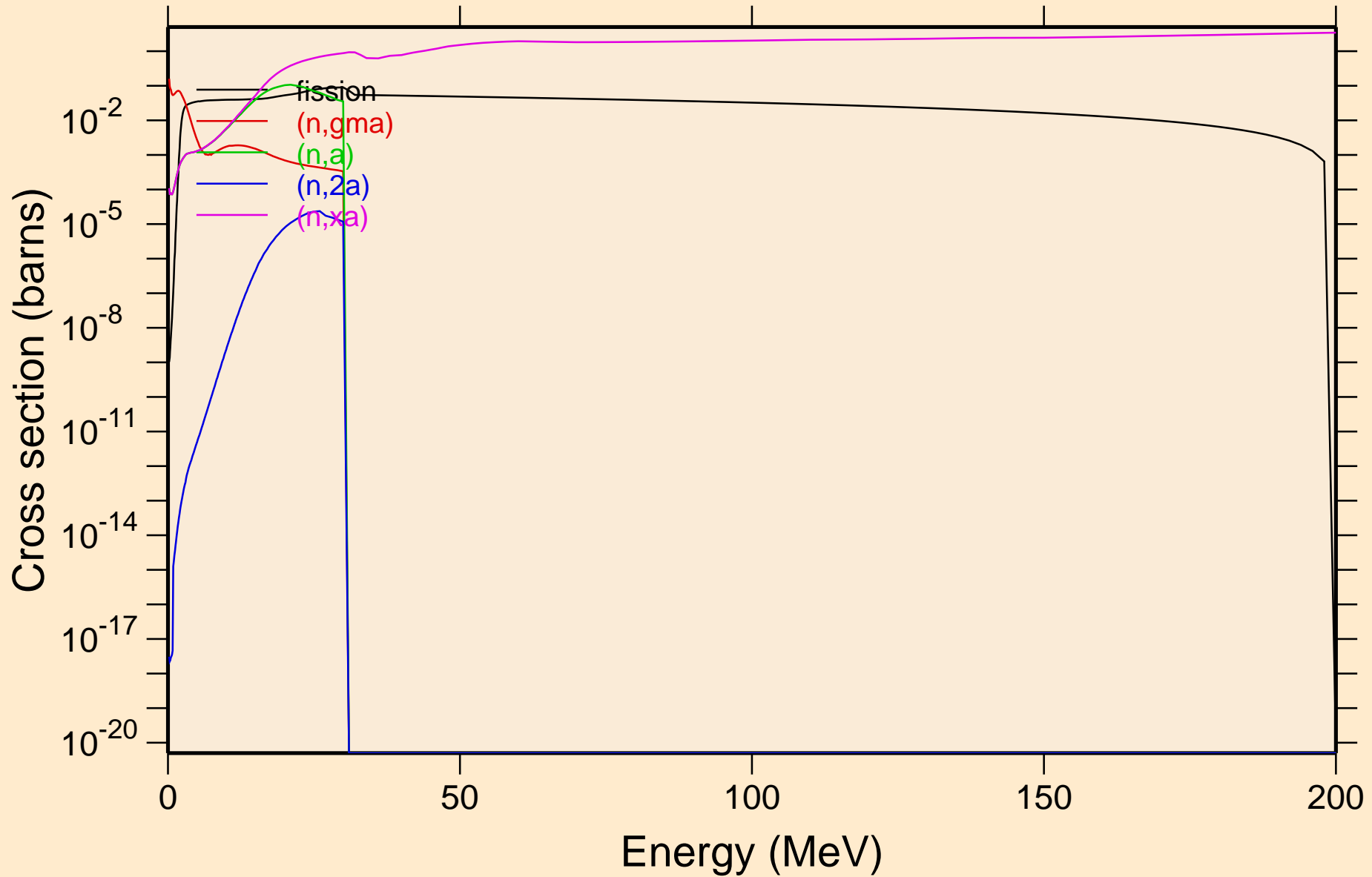
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

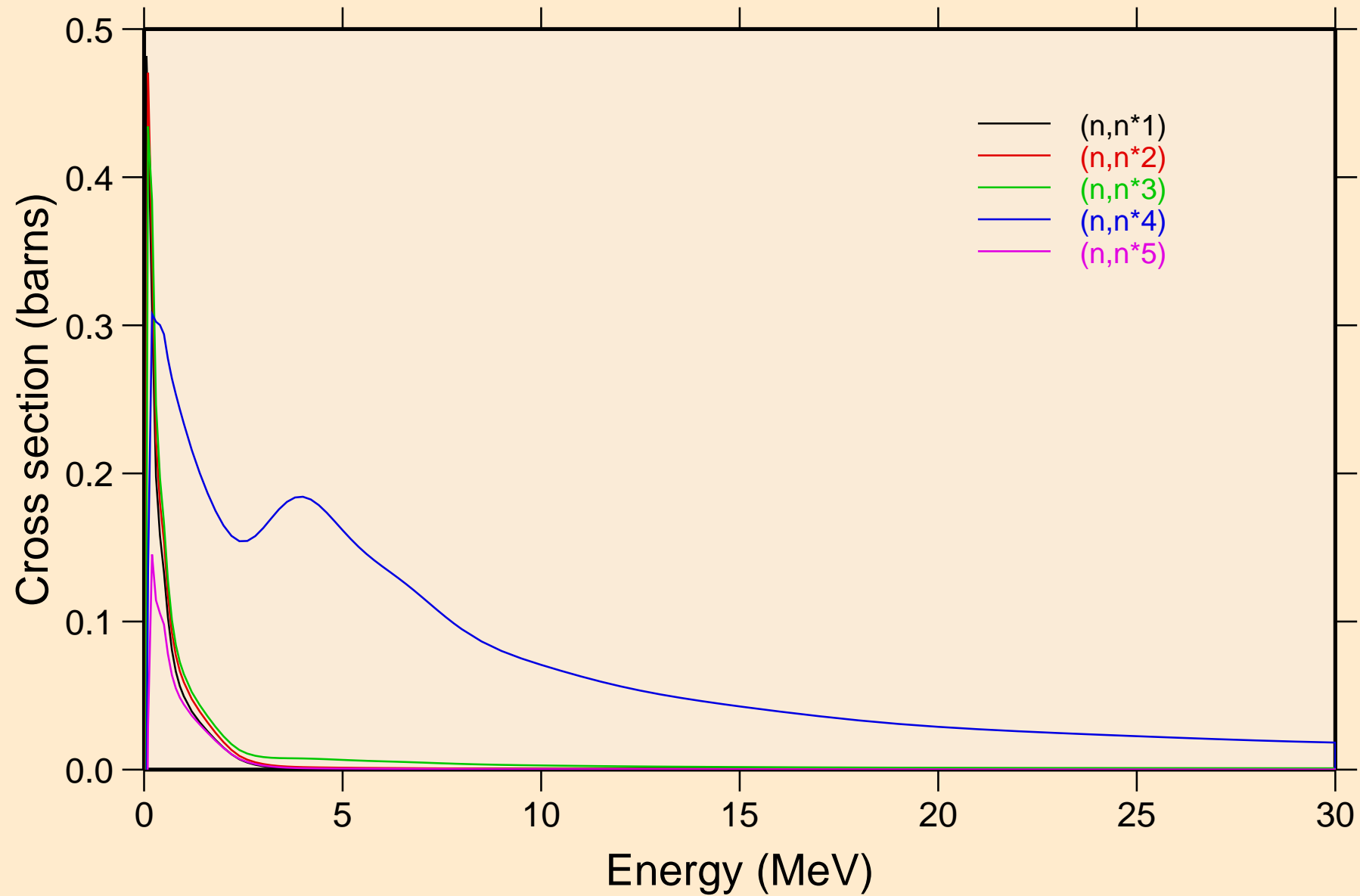


AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



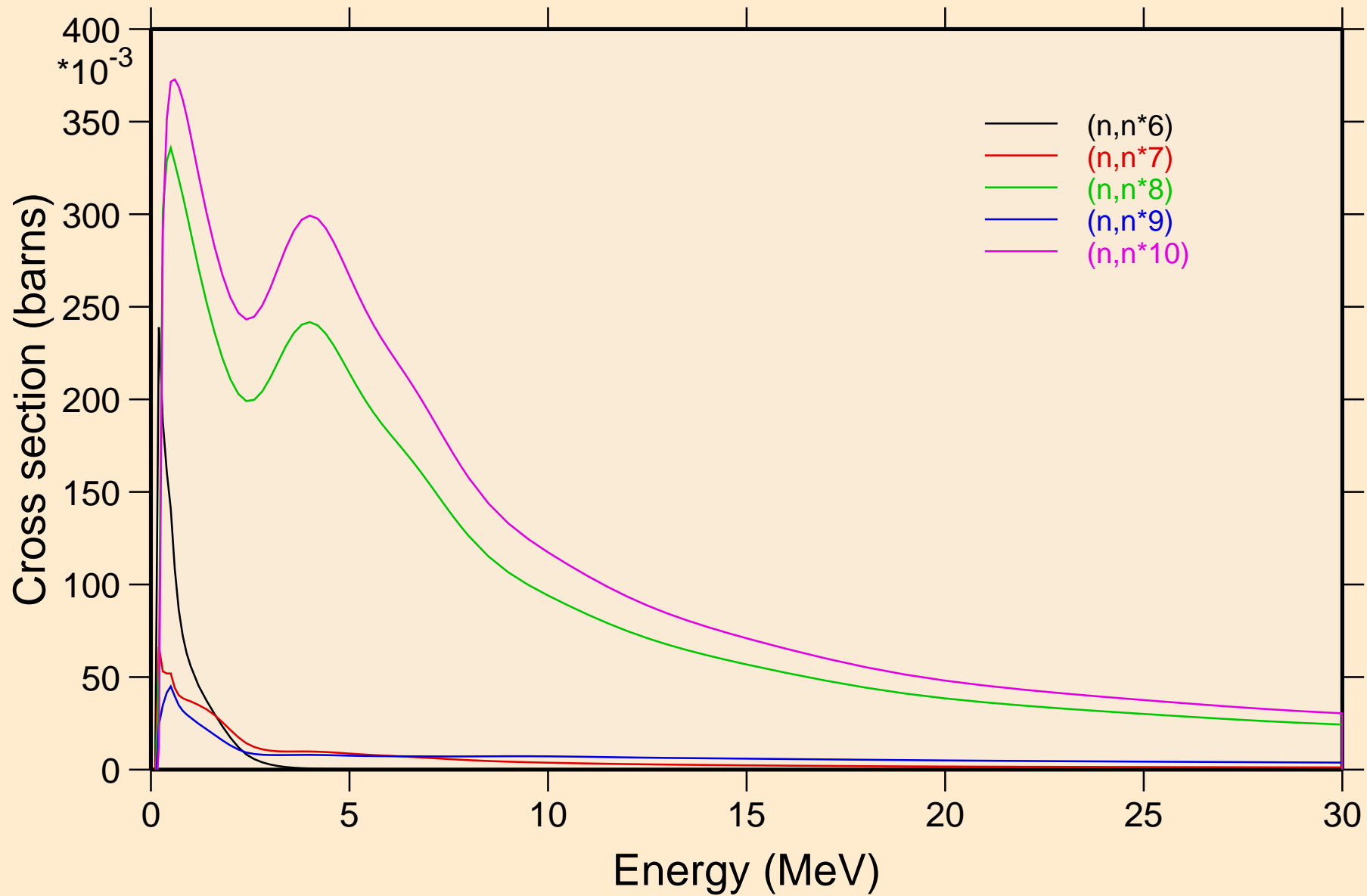


AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

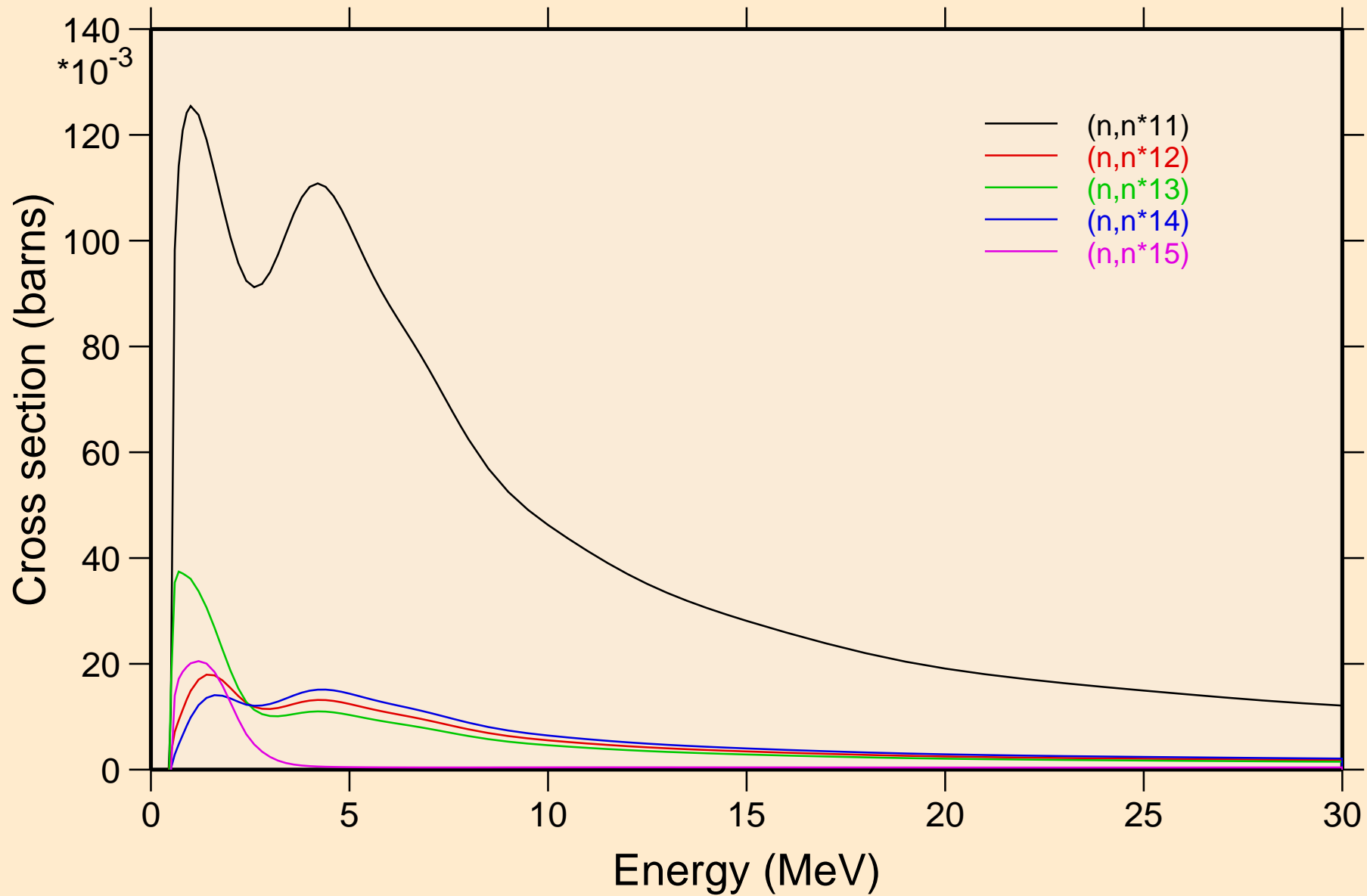


# AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

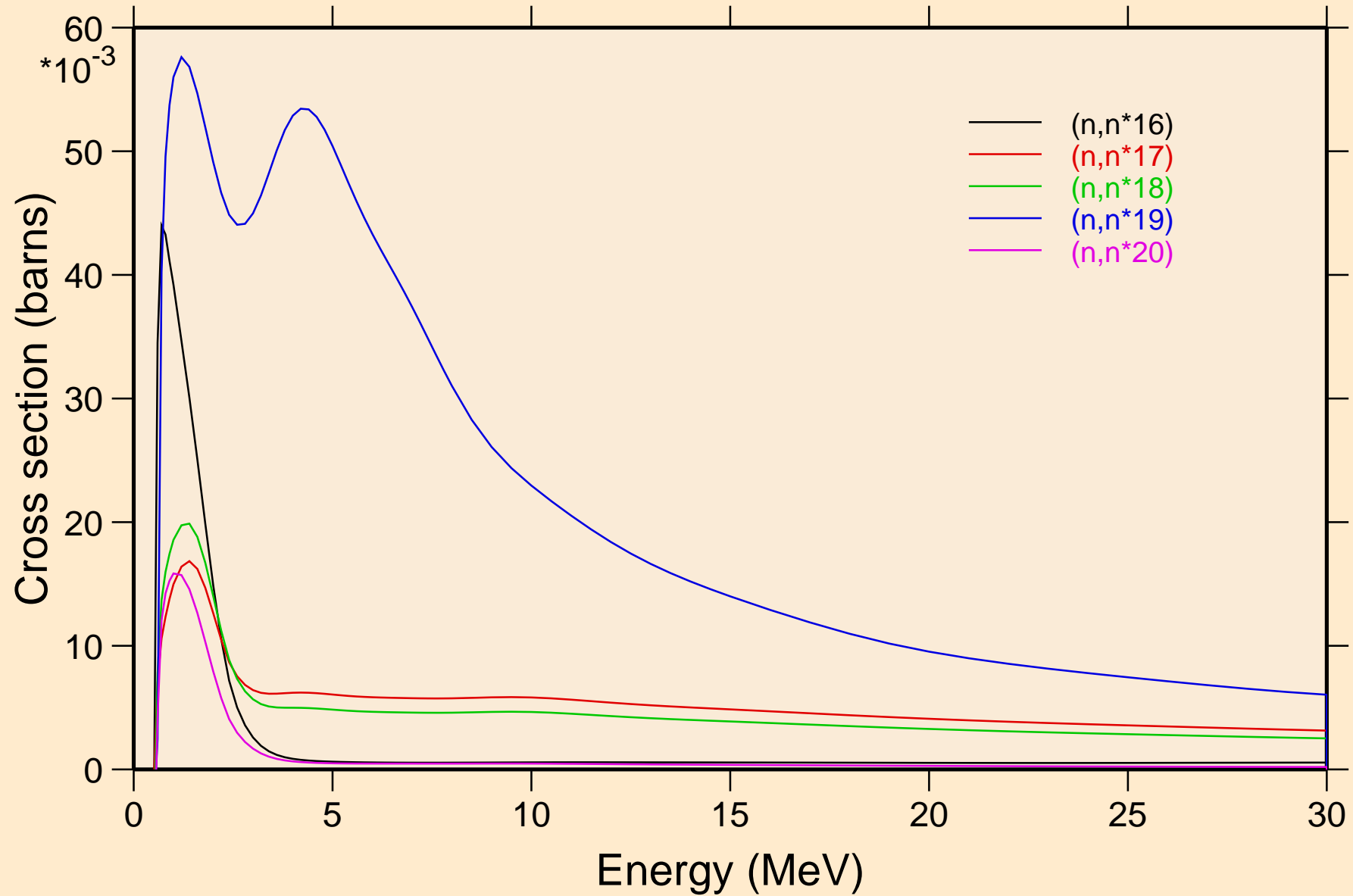
## Inelastic levels



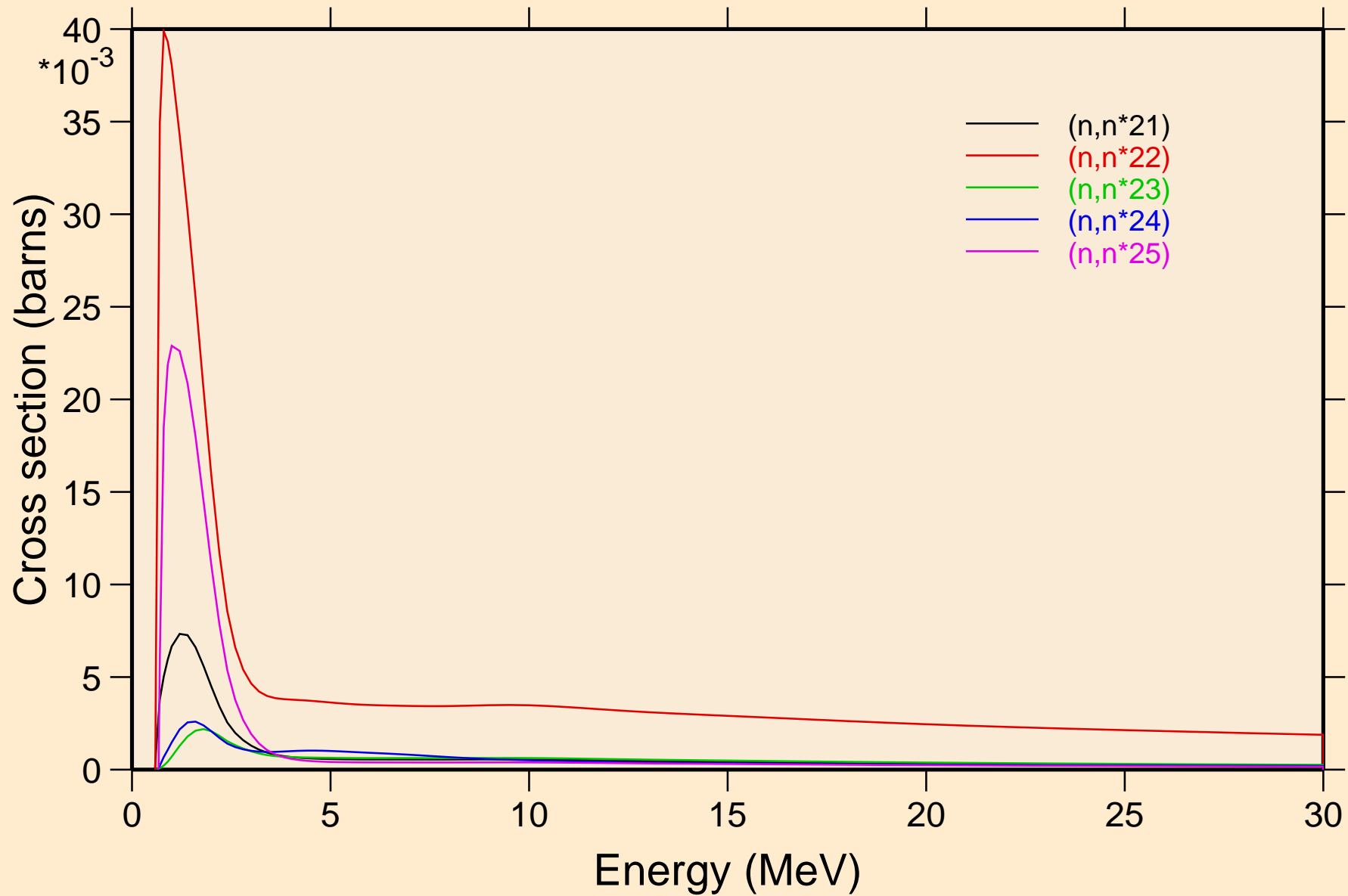
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



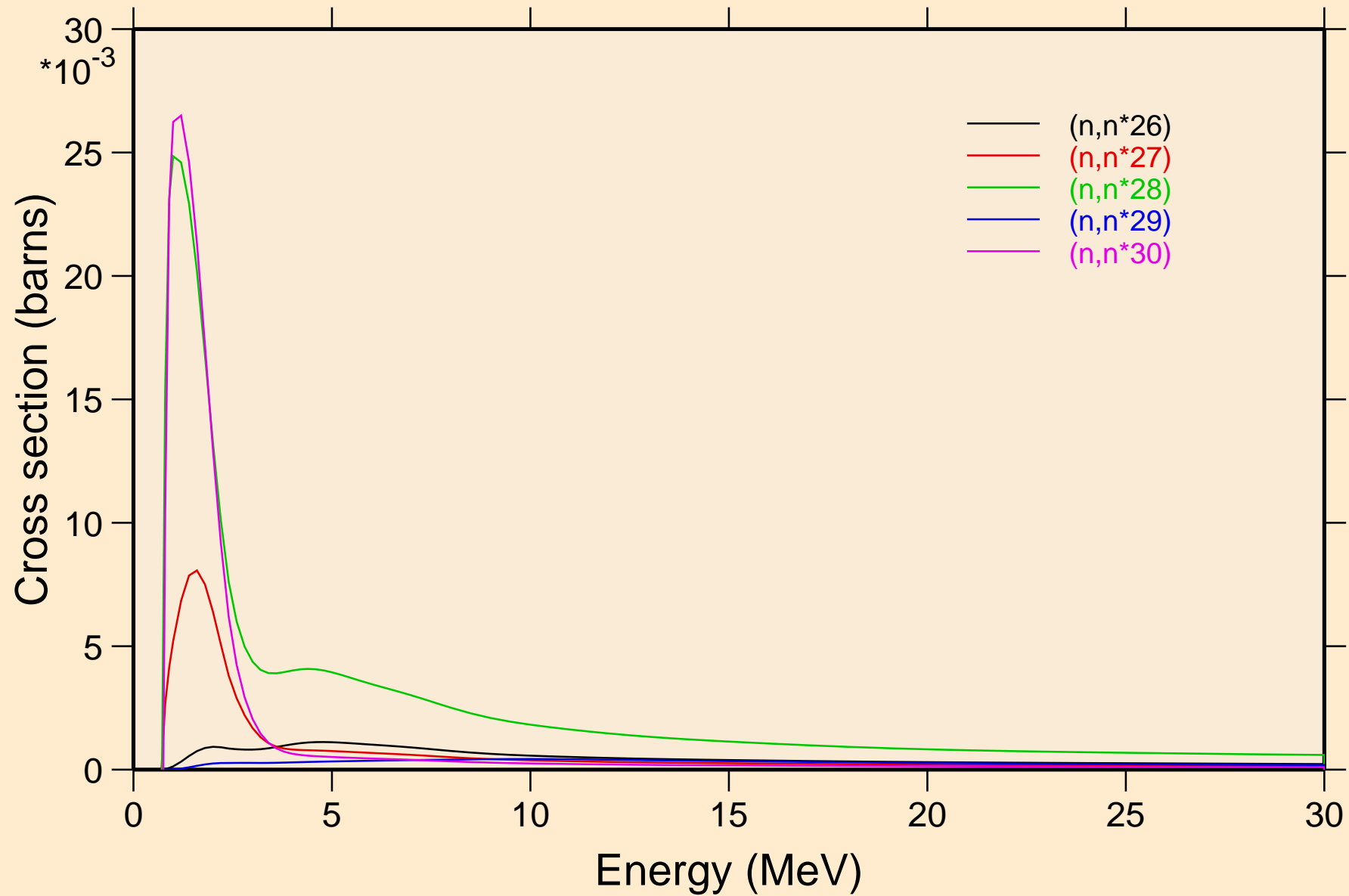
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



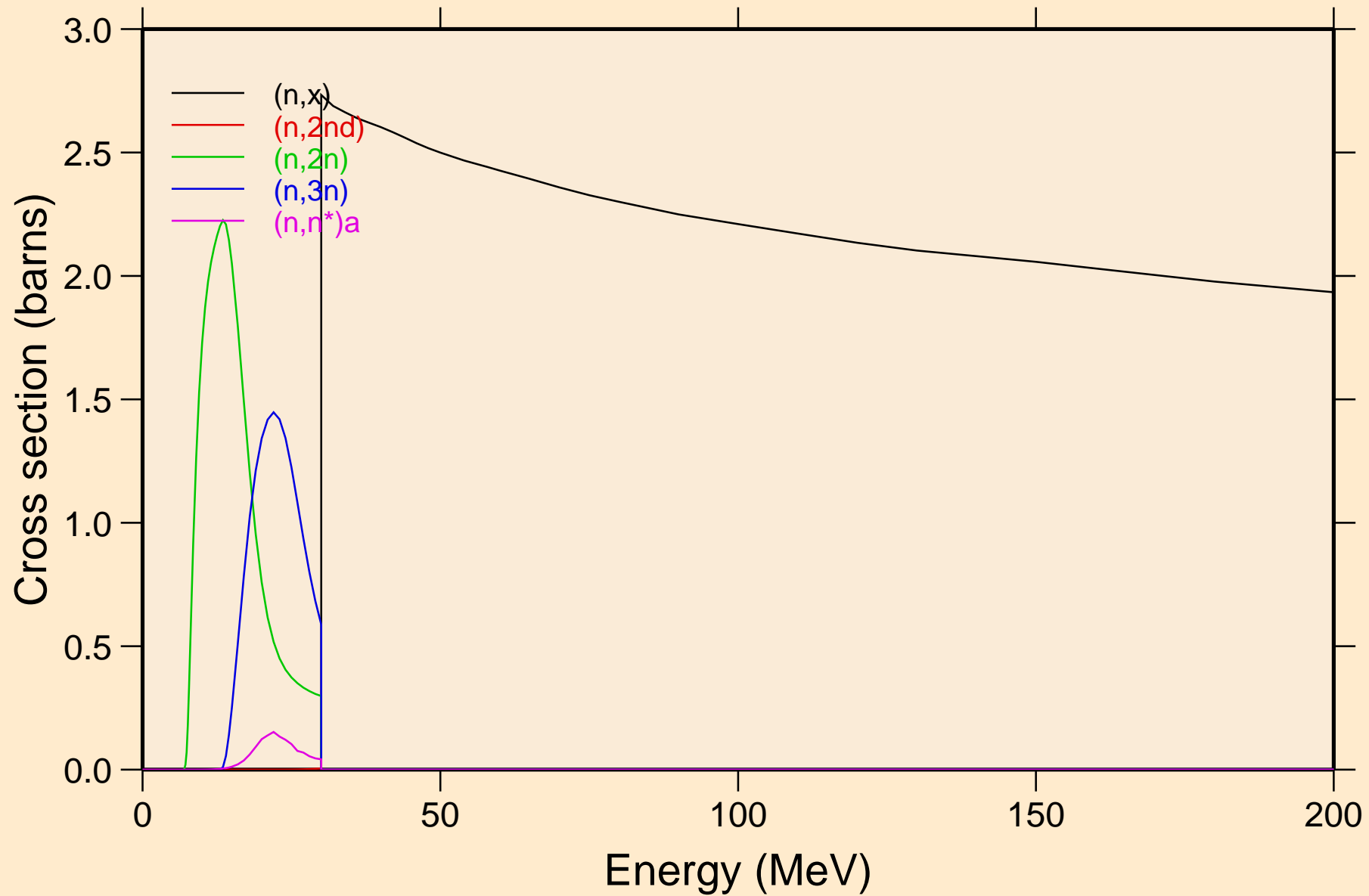
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



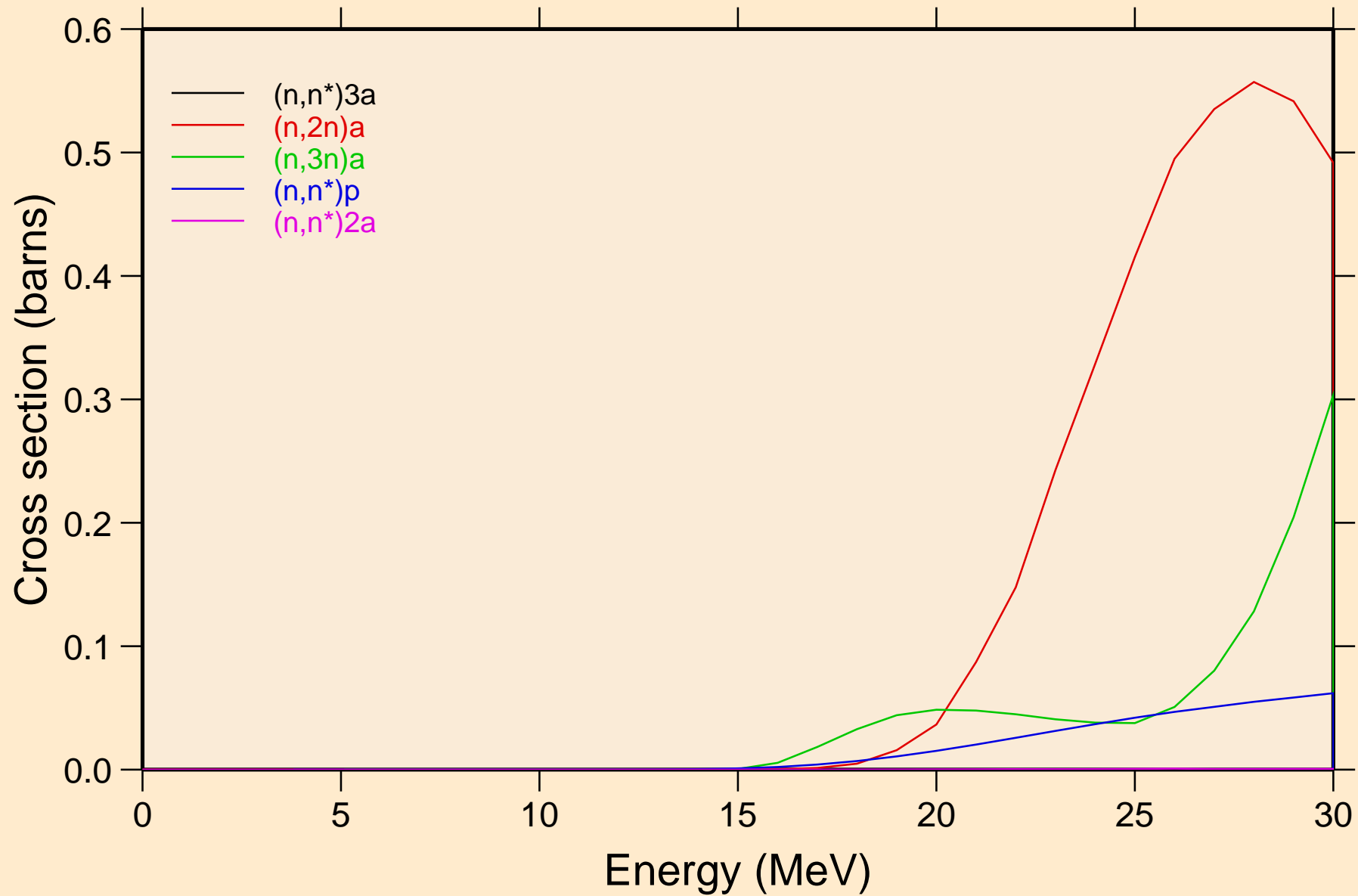
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

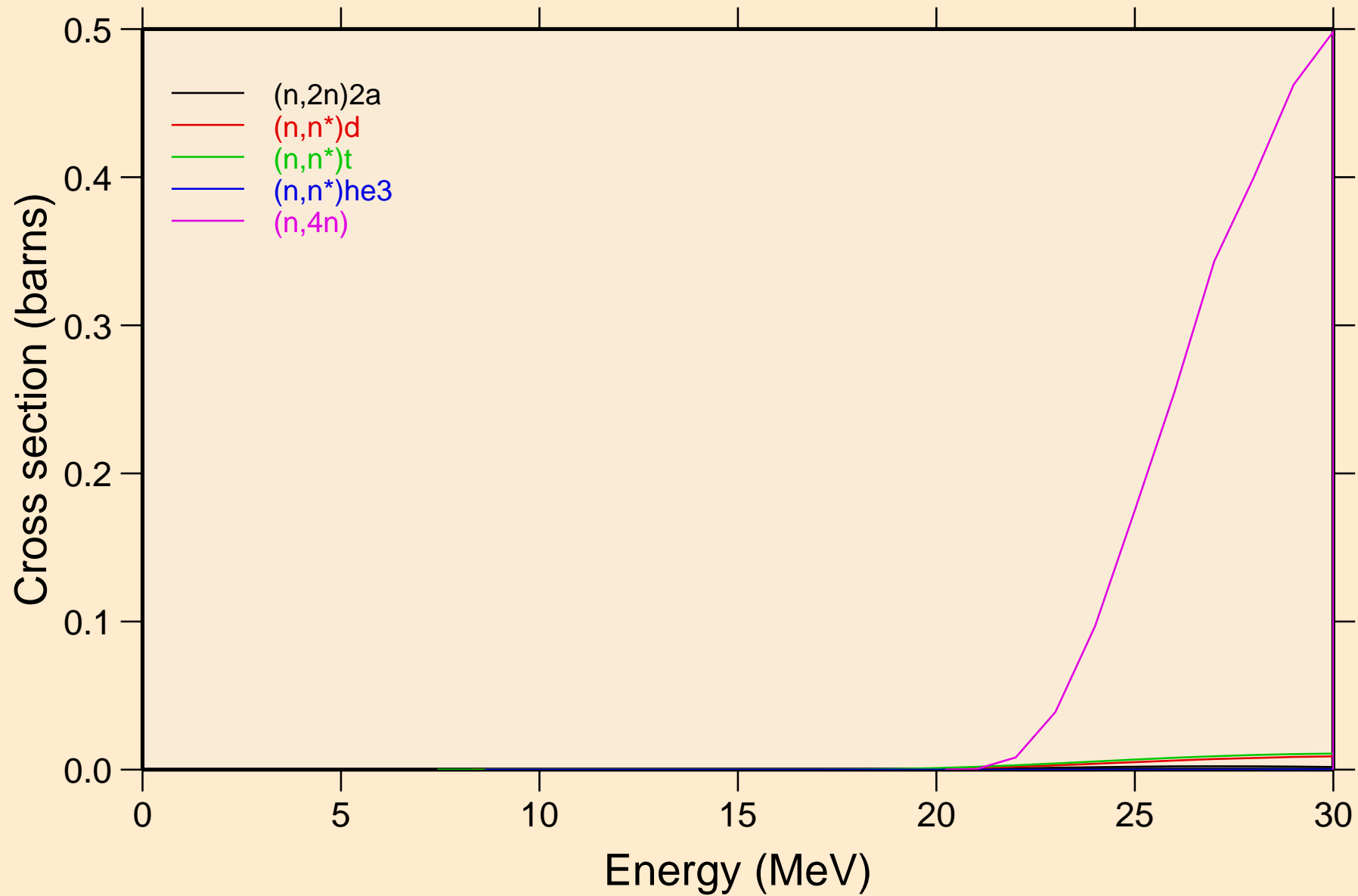


AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

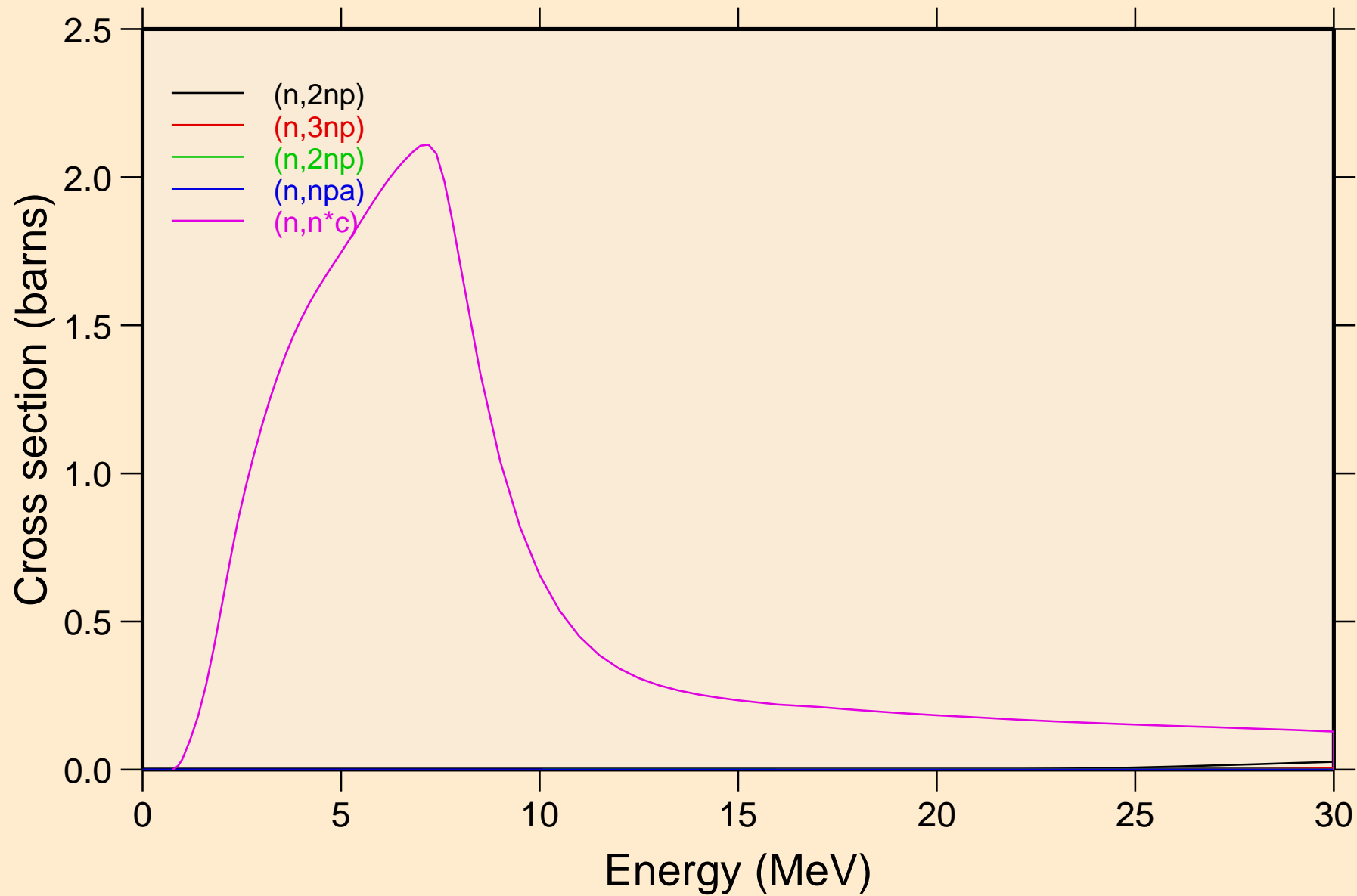




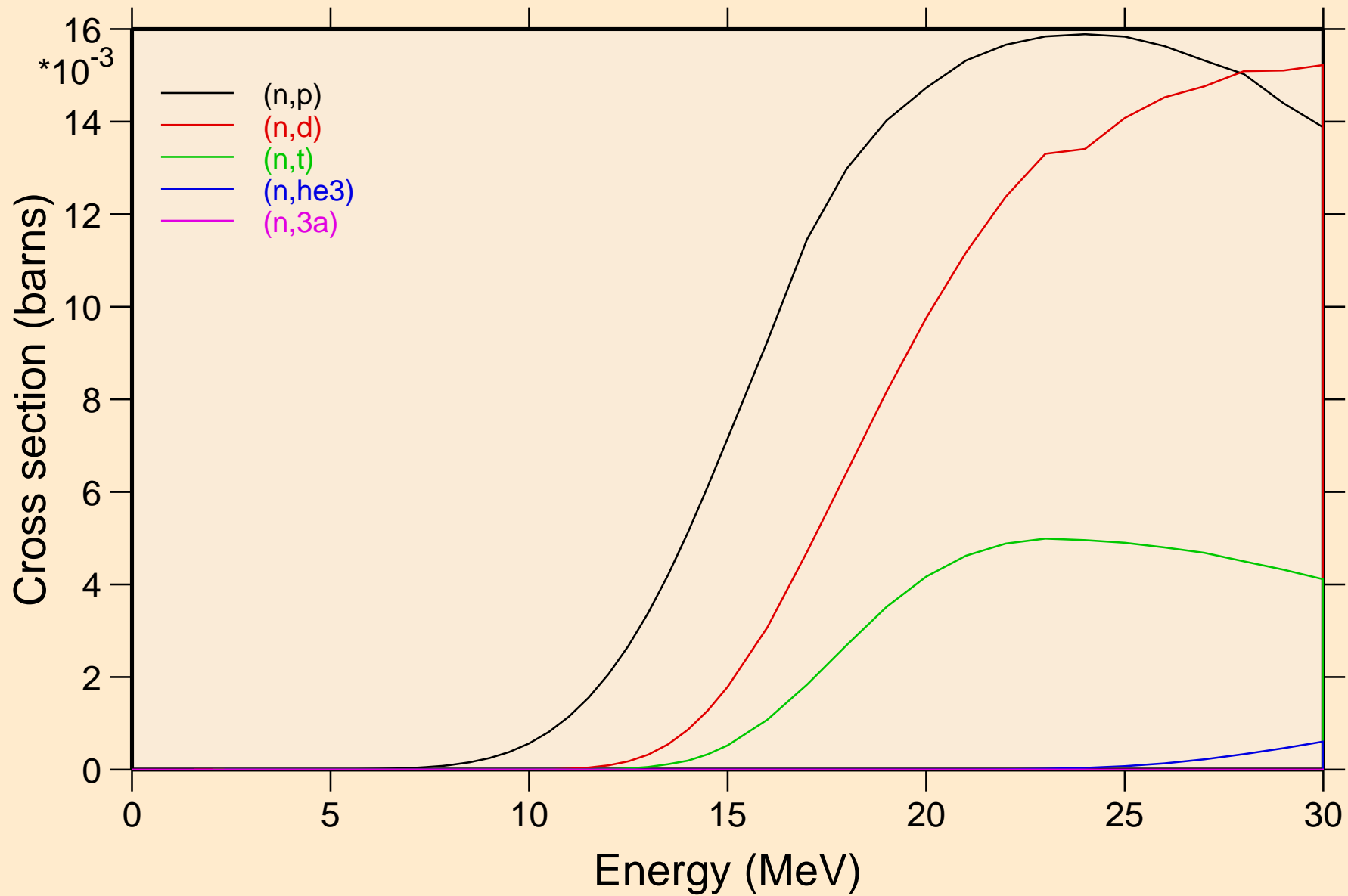
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



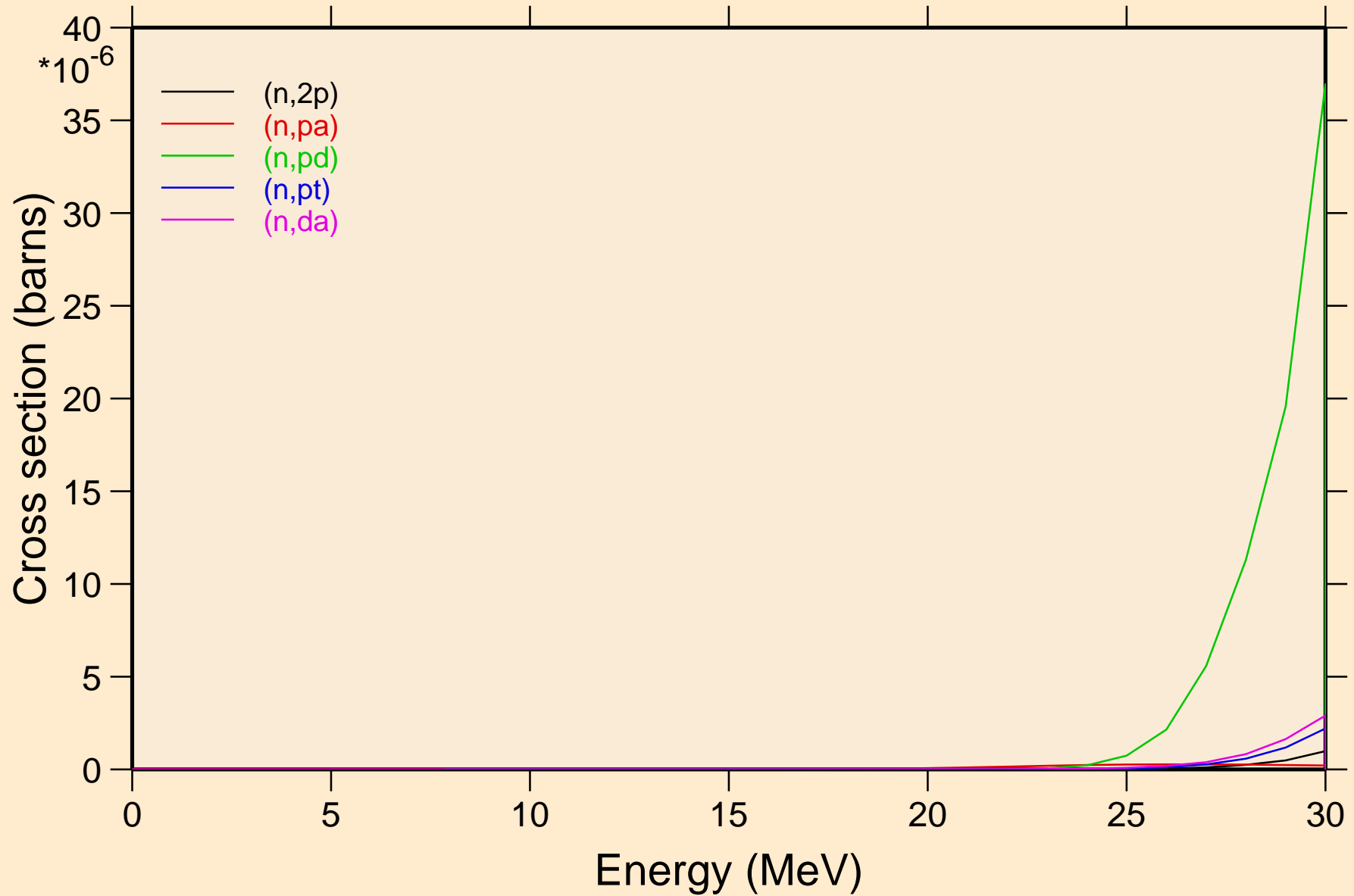
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



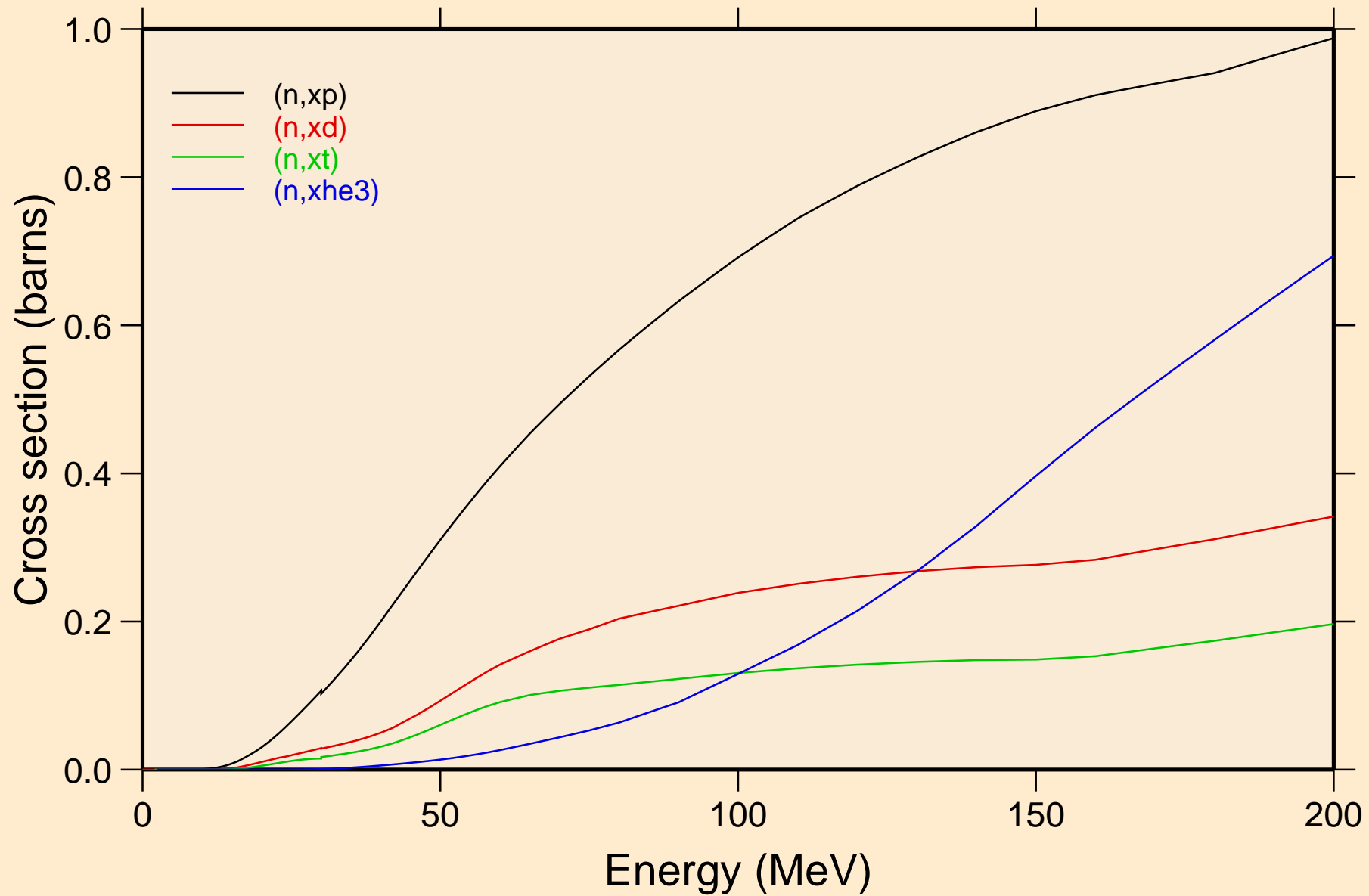
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



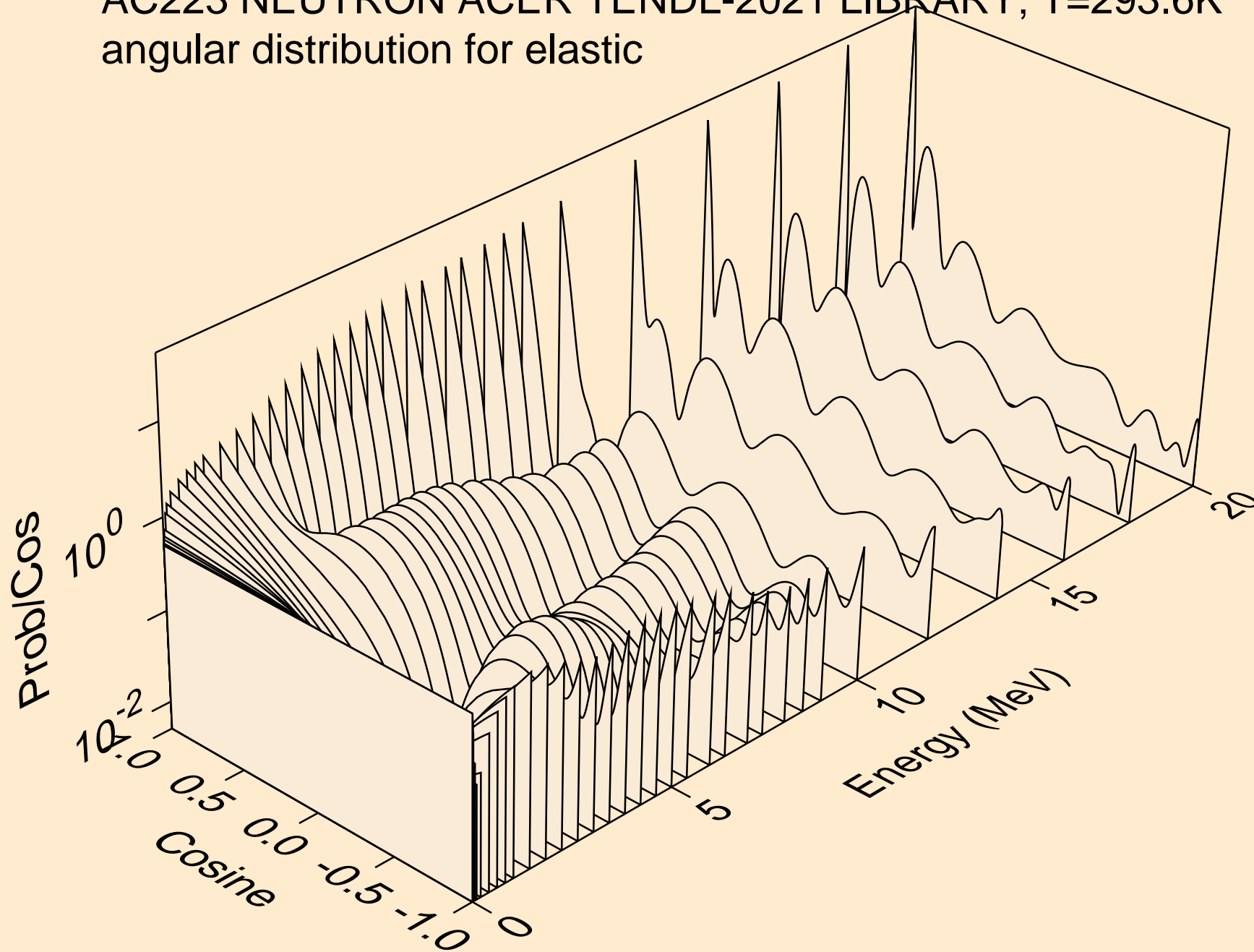
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



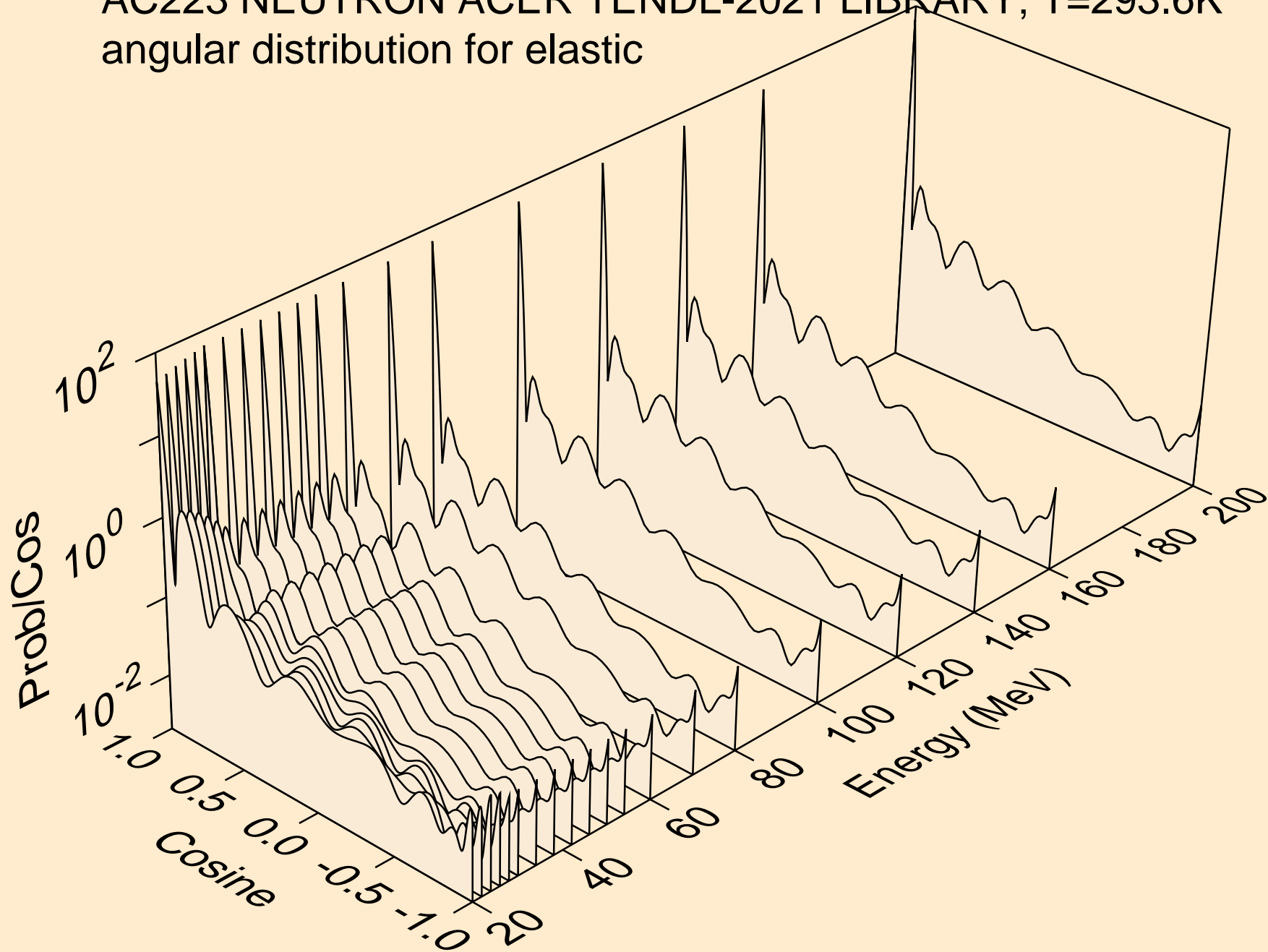
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



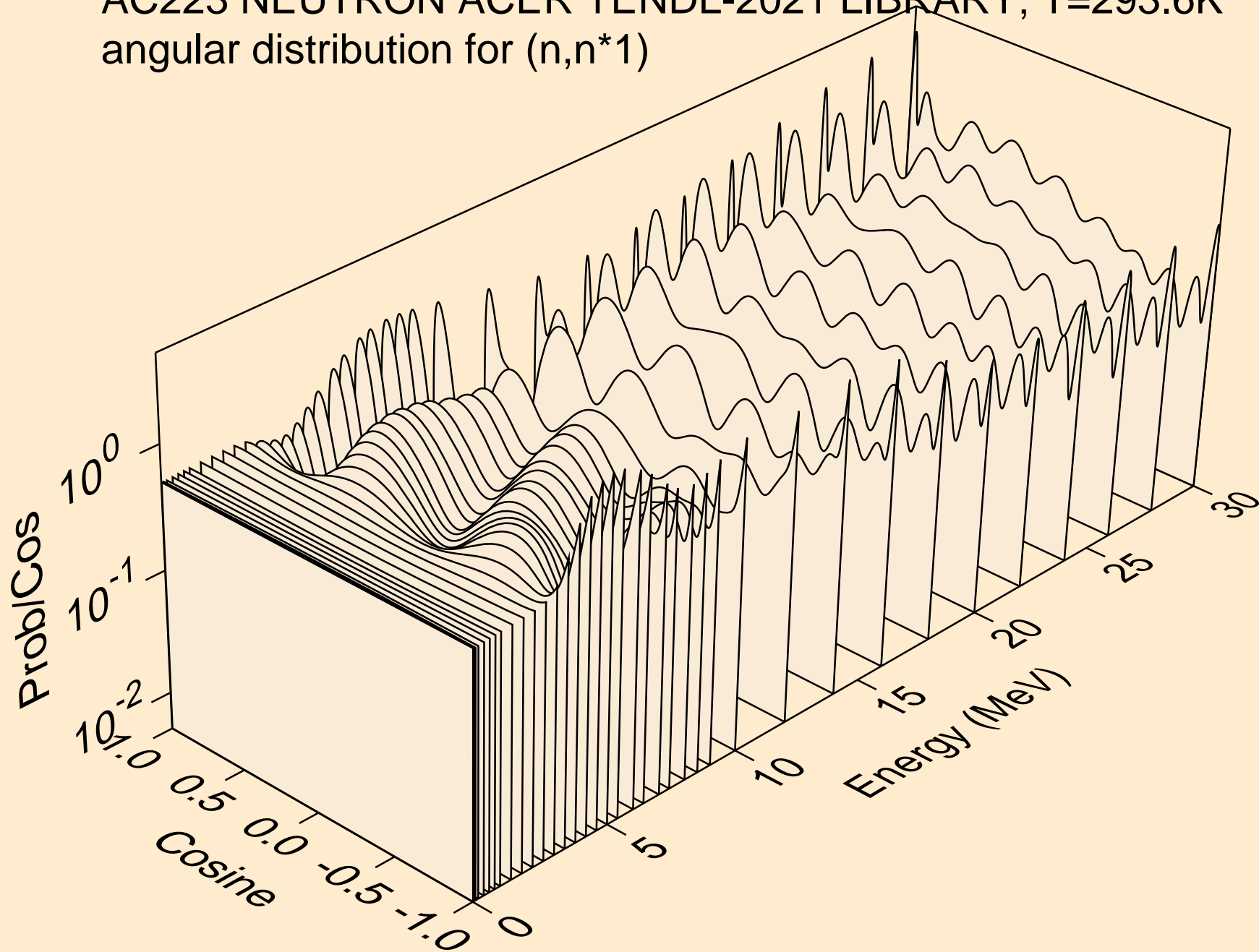
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic

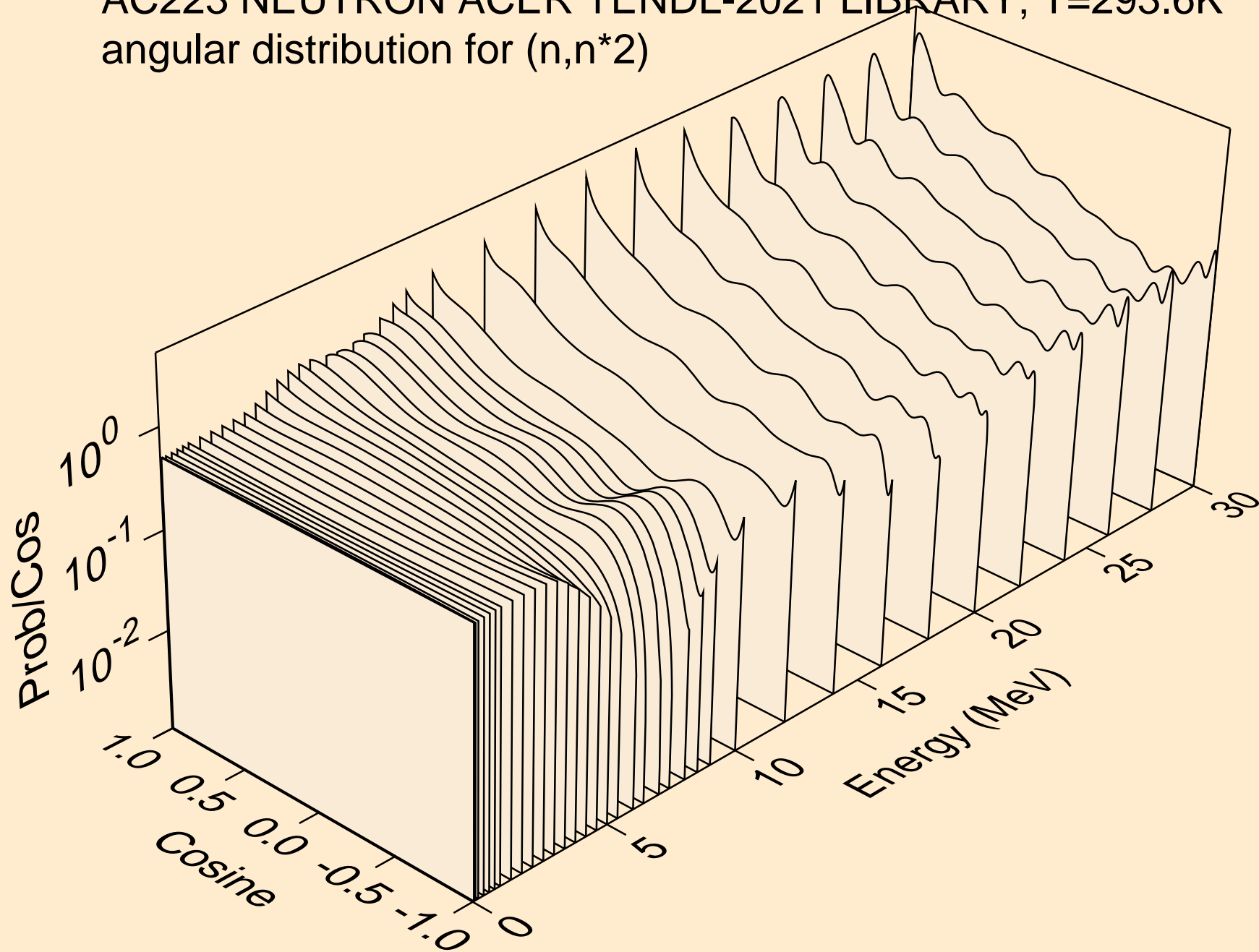


AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)

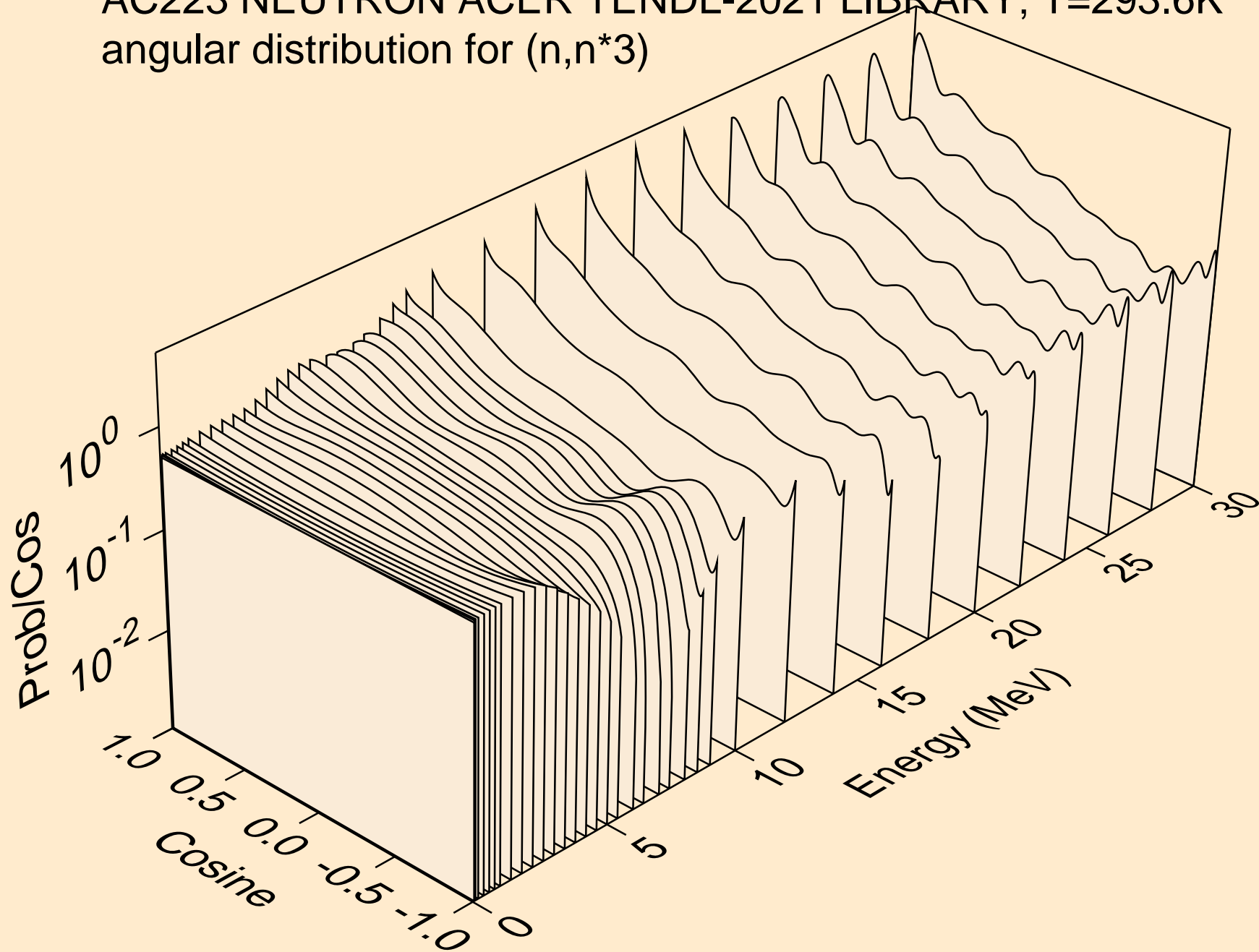




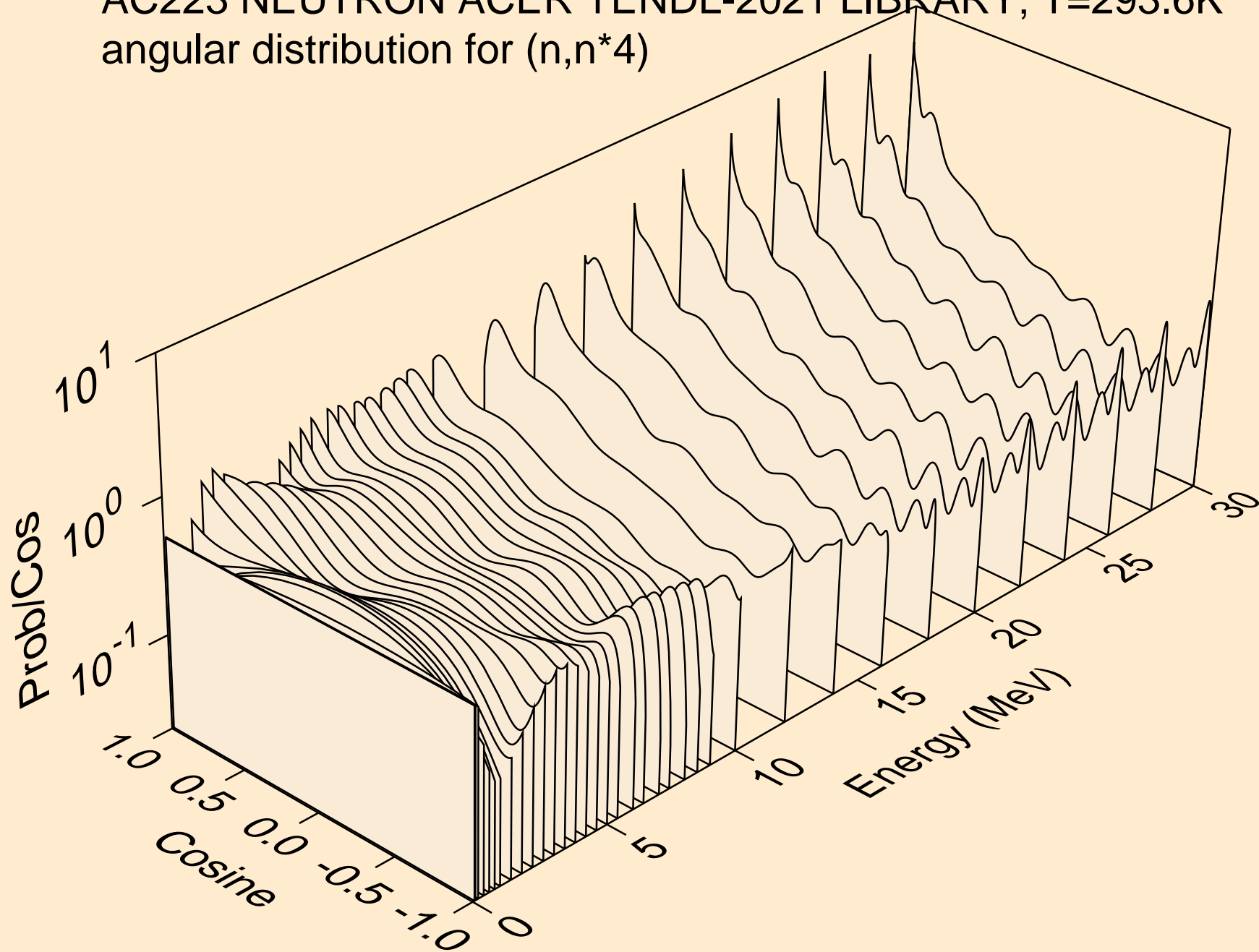
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)



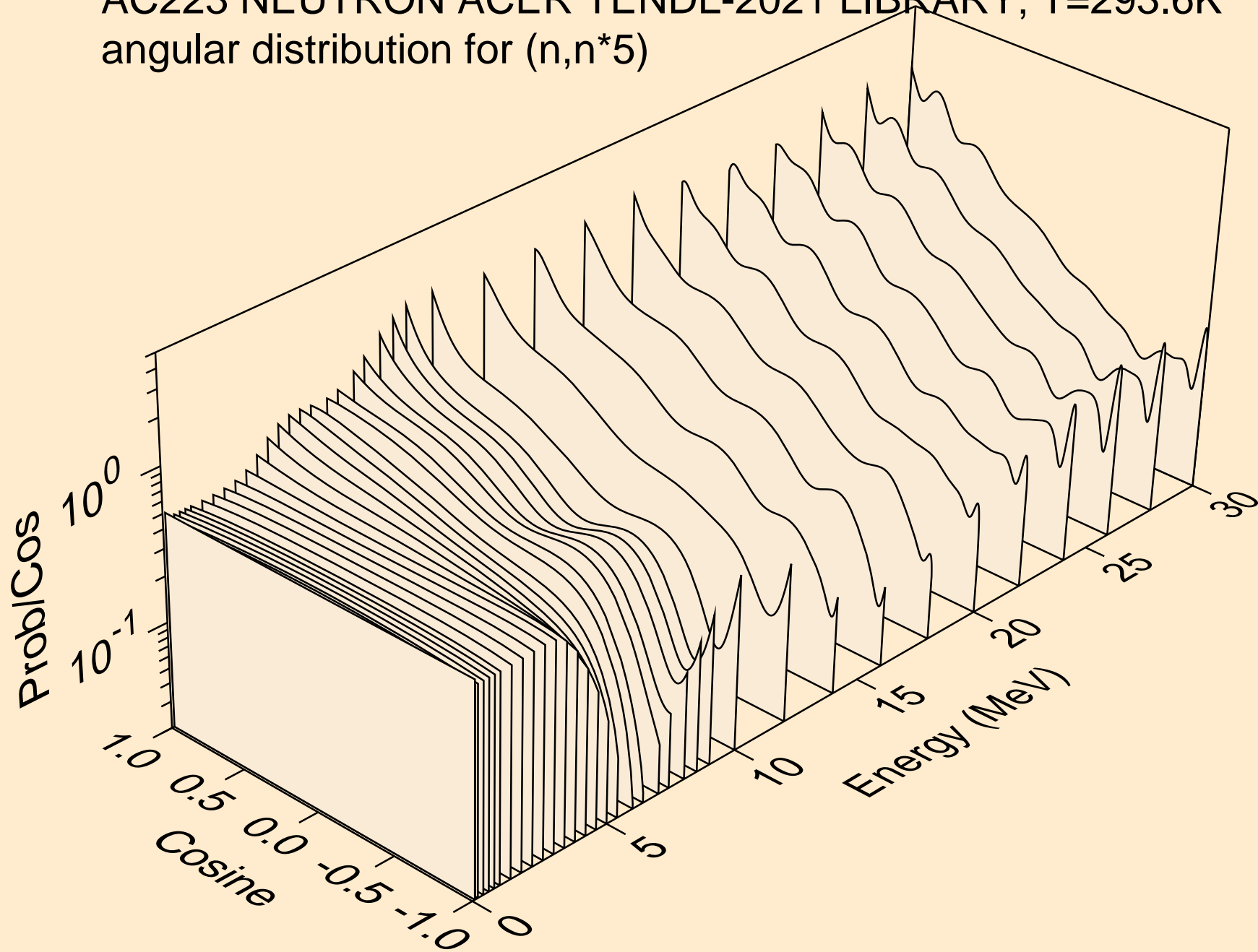
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)



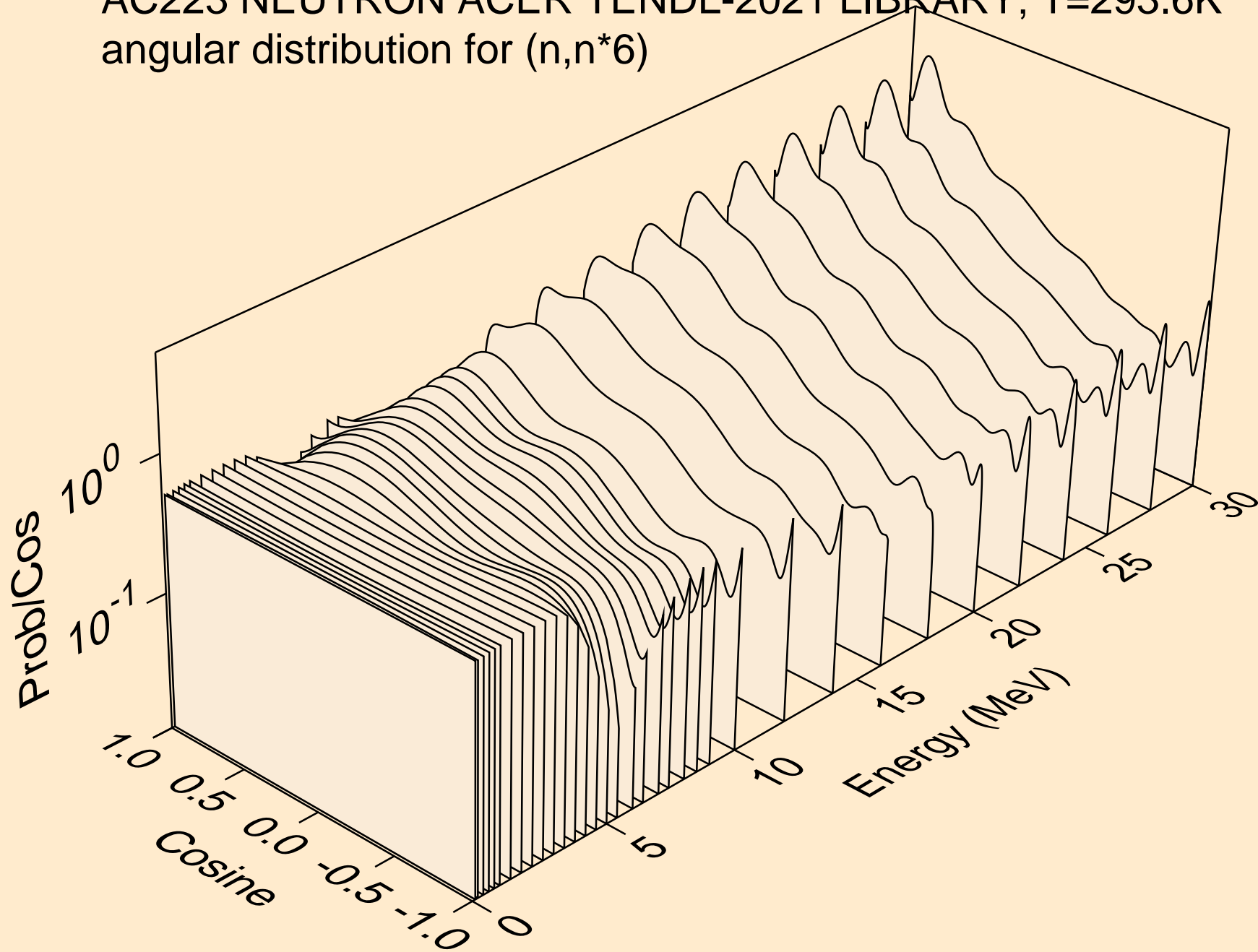
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*4)



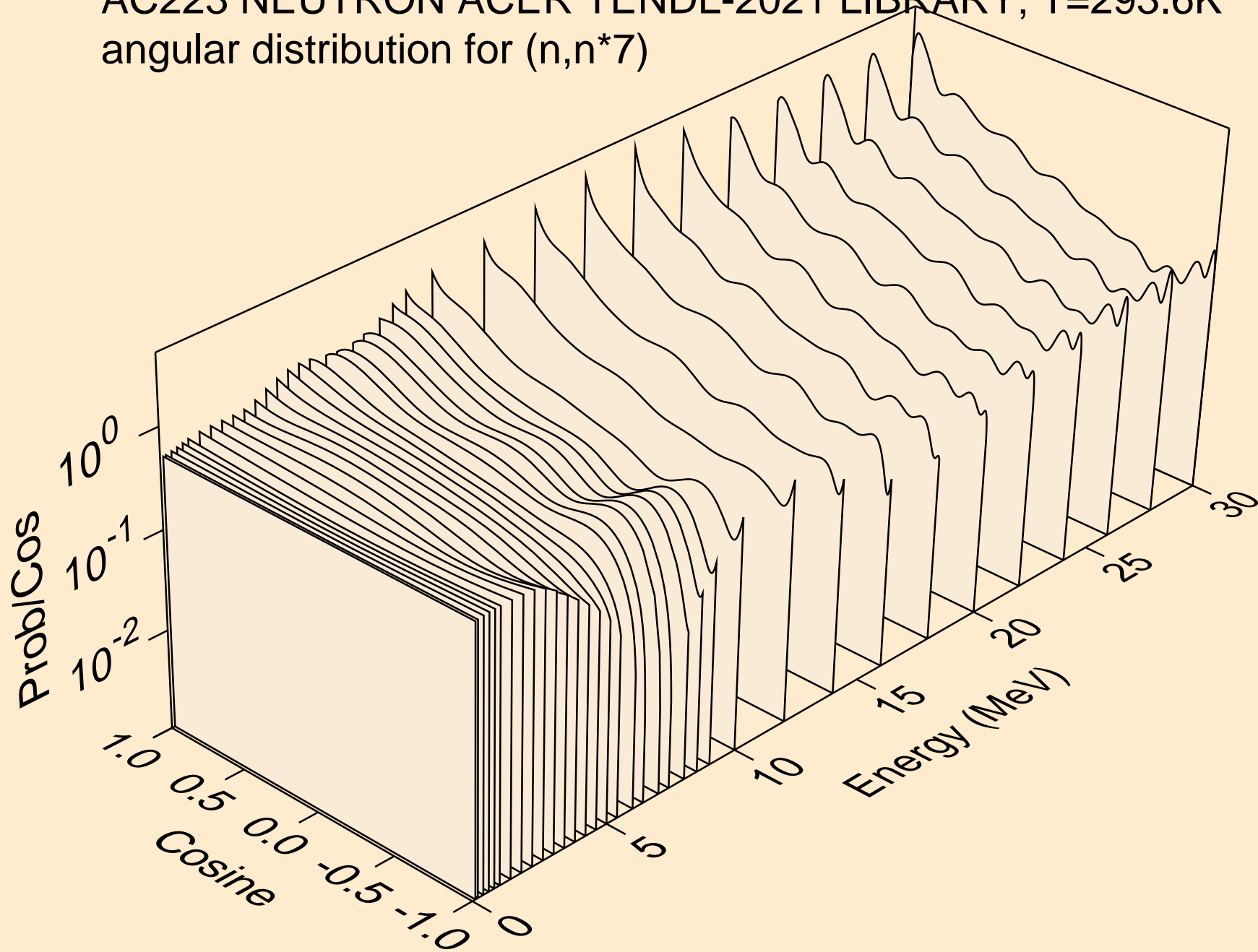
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angular distribution for (n,n\*5)



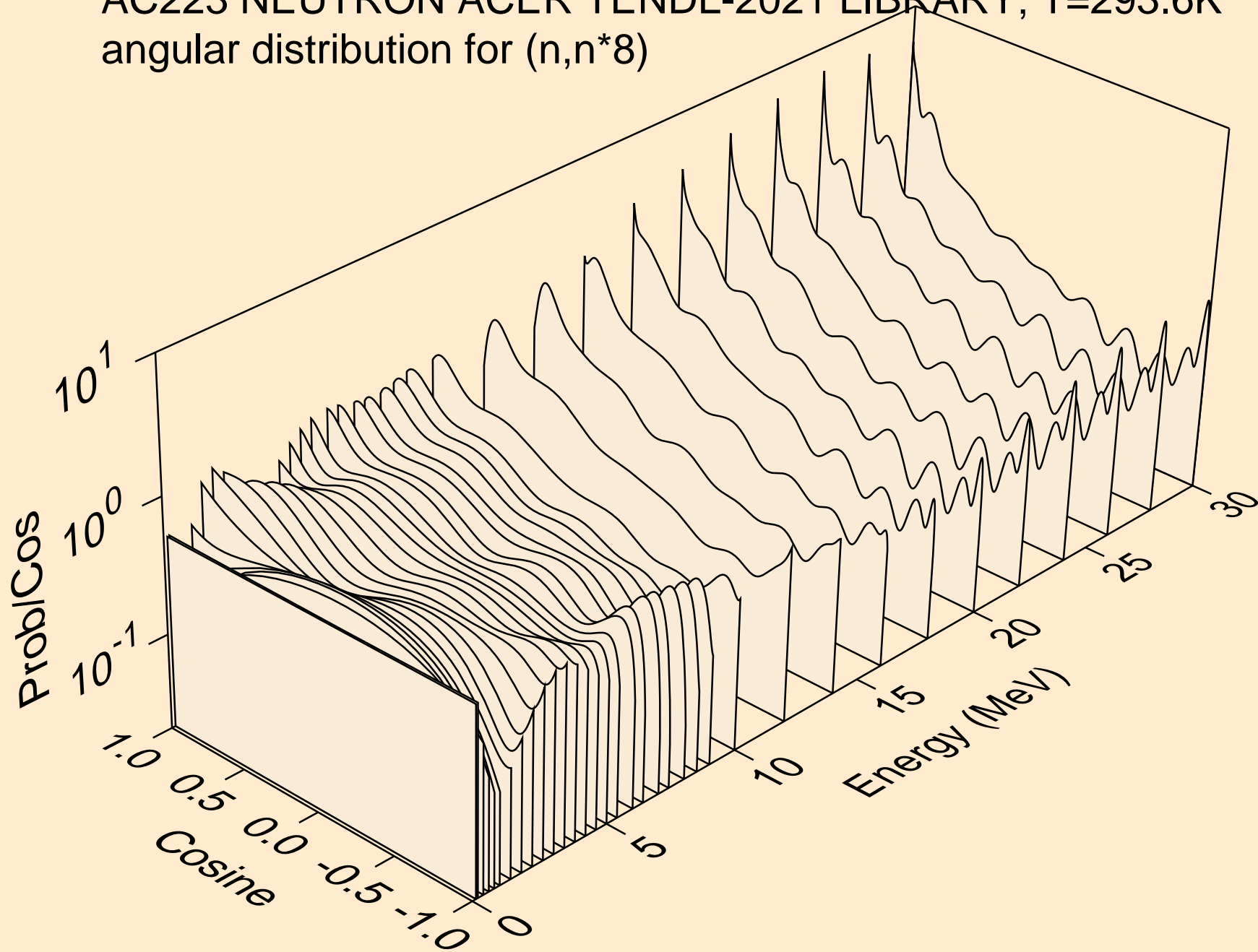
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)



AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*7)

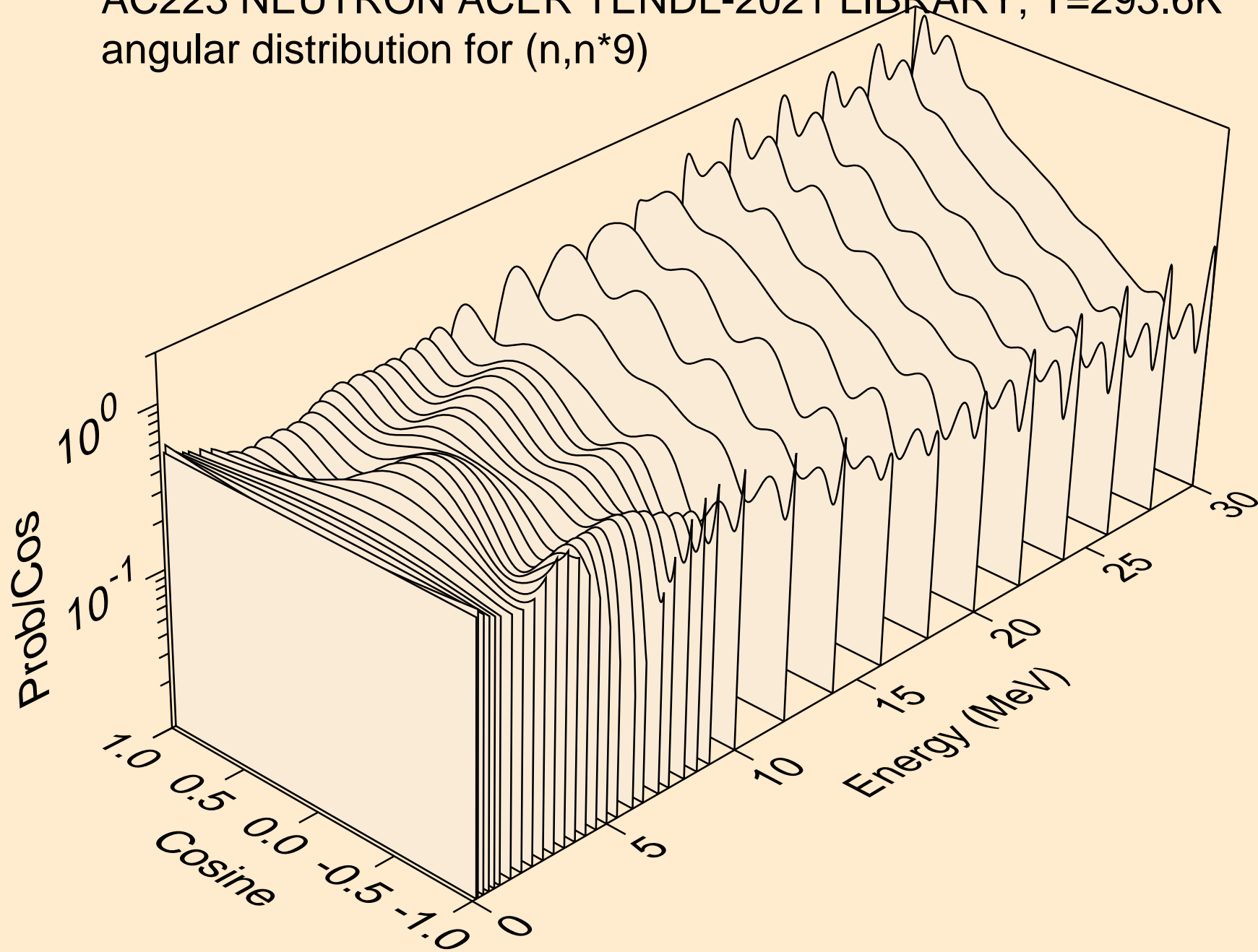


AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*8)



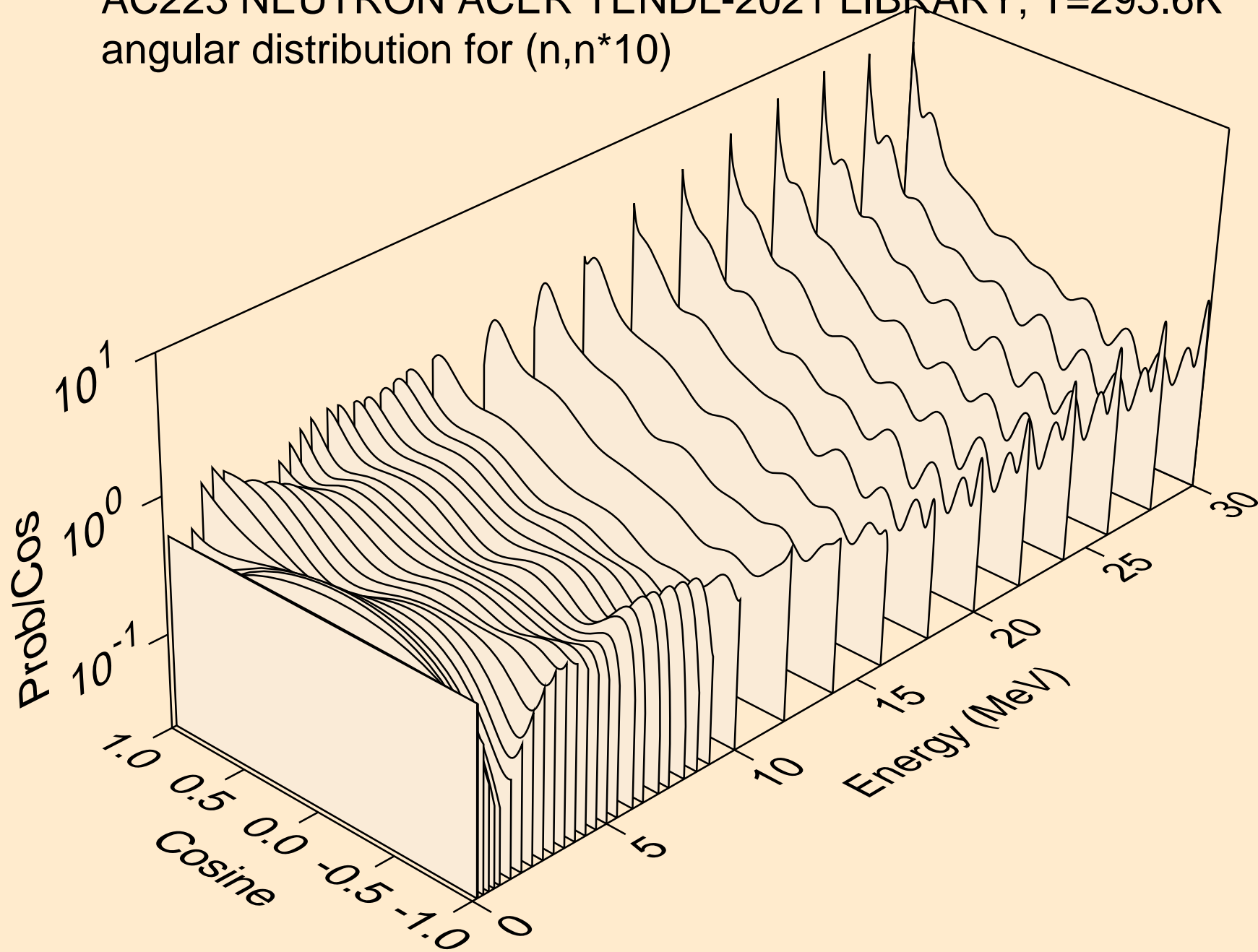


AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*9)

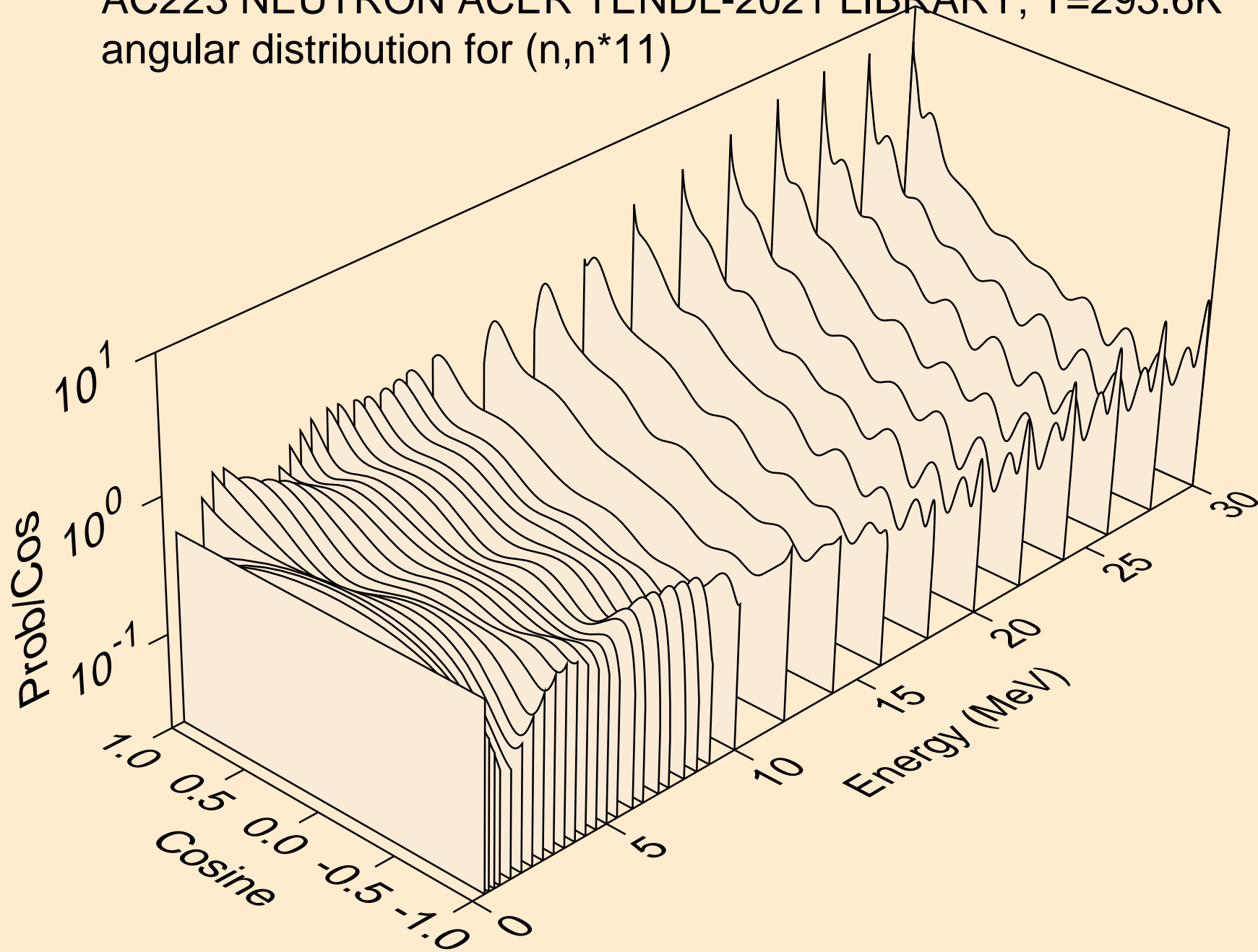




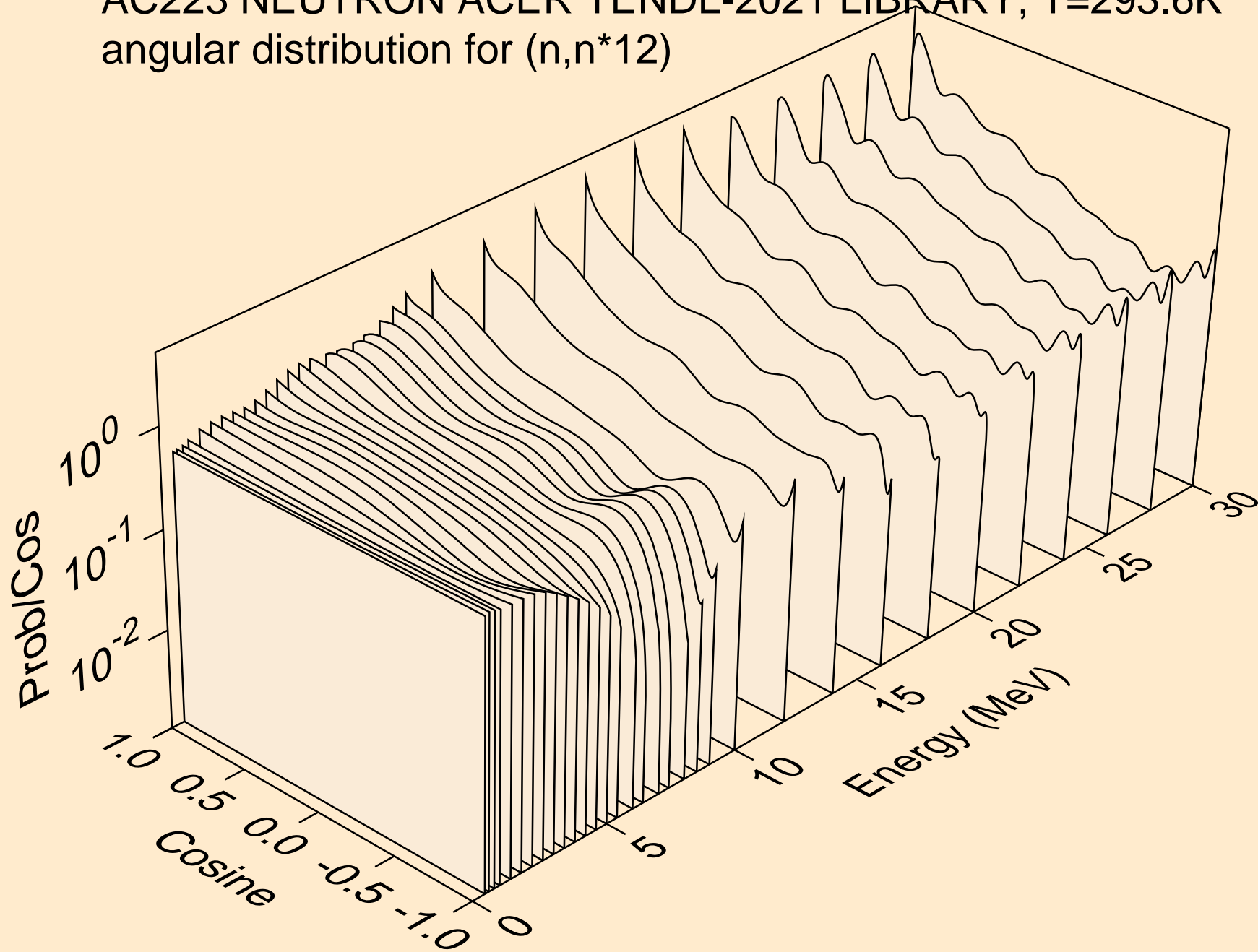
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*10)



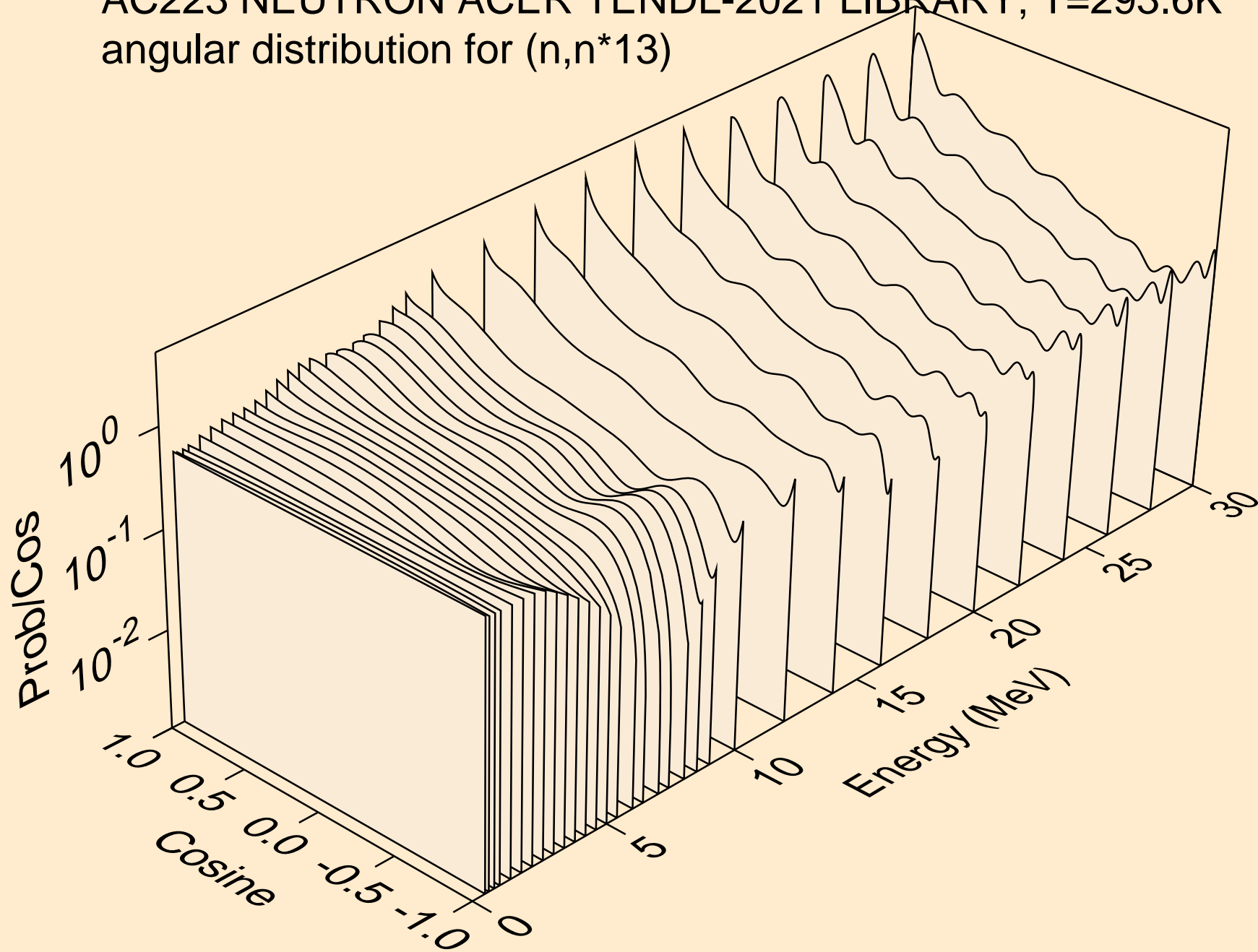
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angular distribution for (n,n\*11)



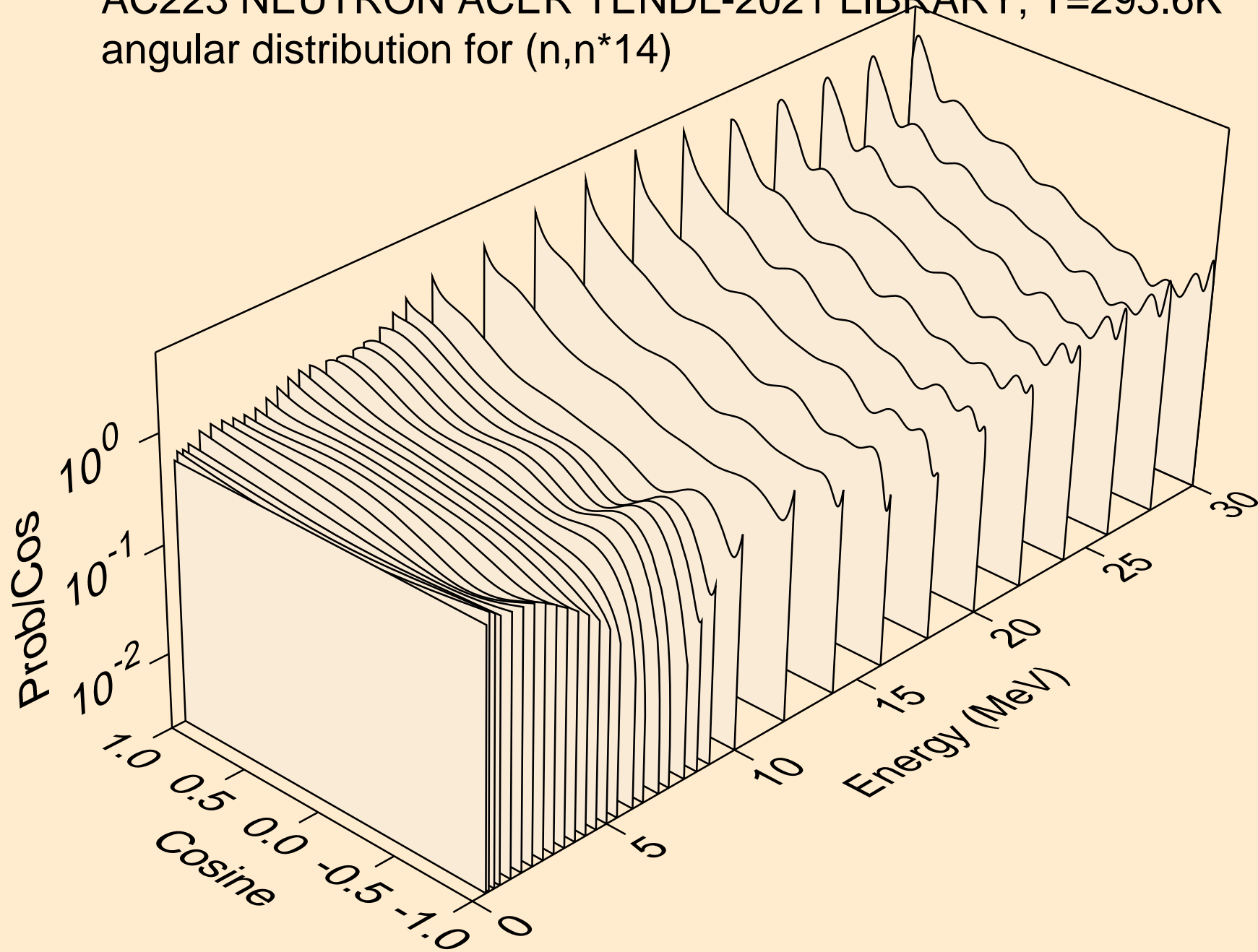
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*12)



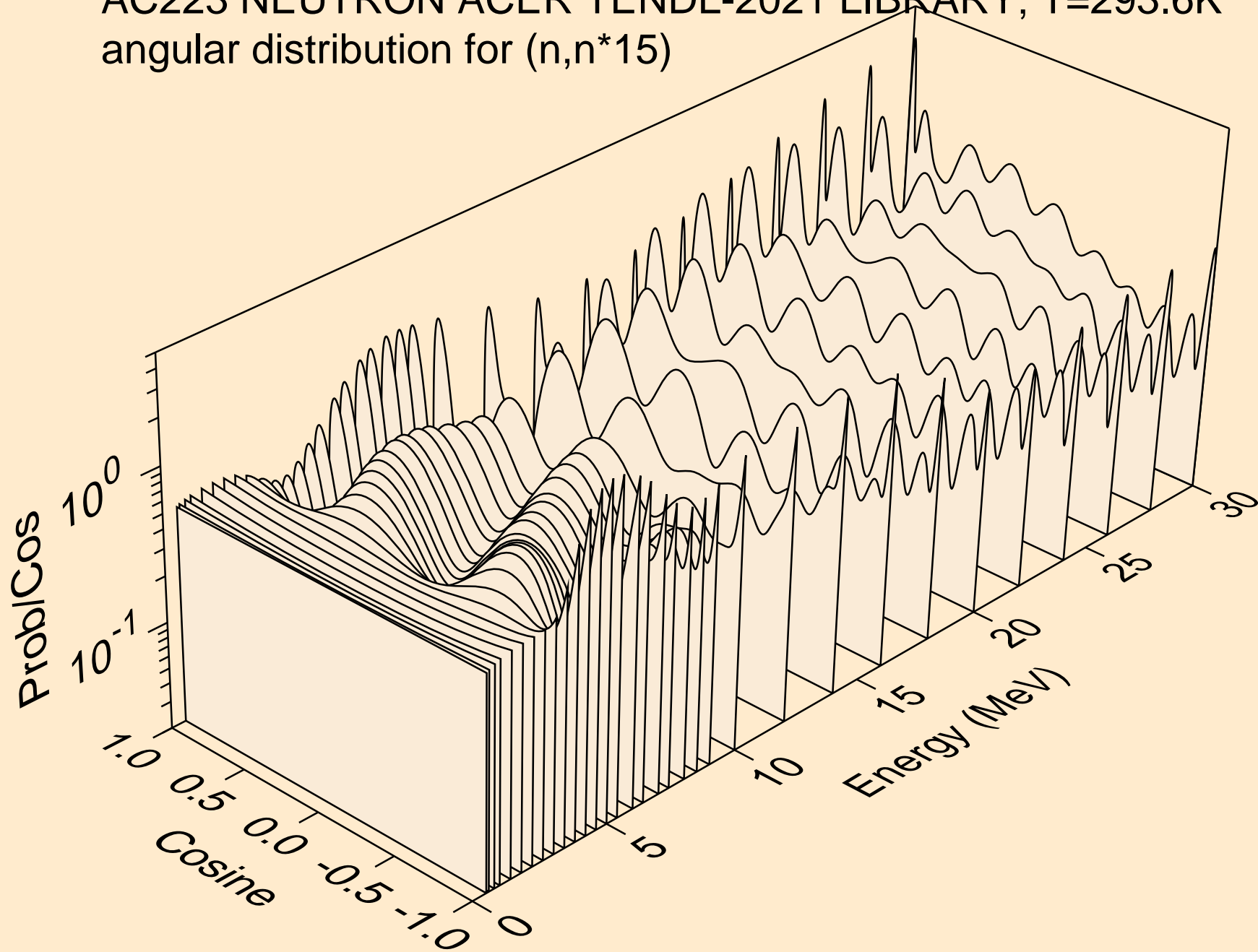
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angular distribution for (n,n\*13)



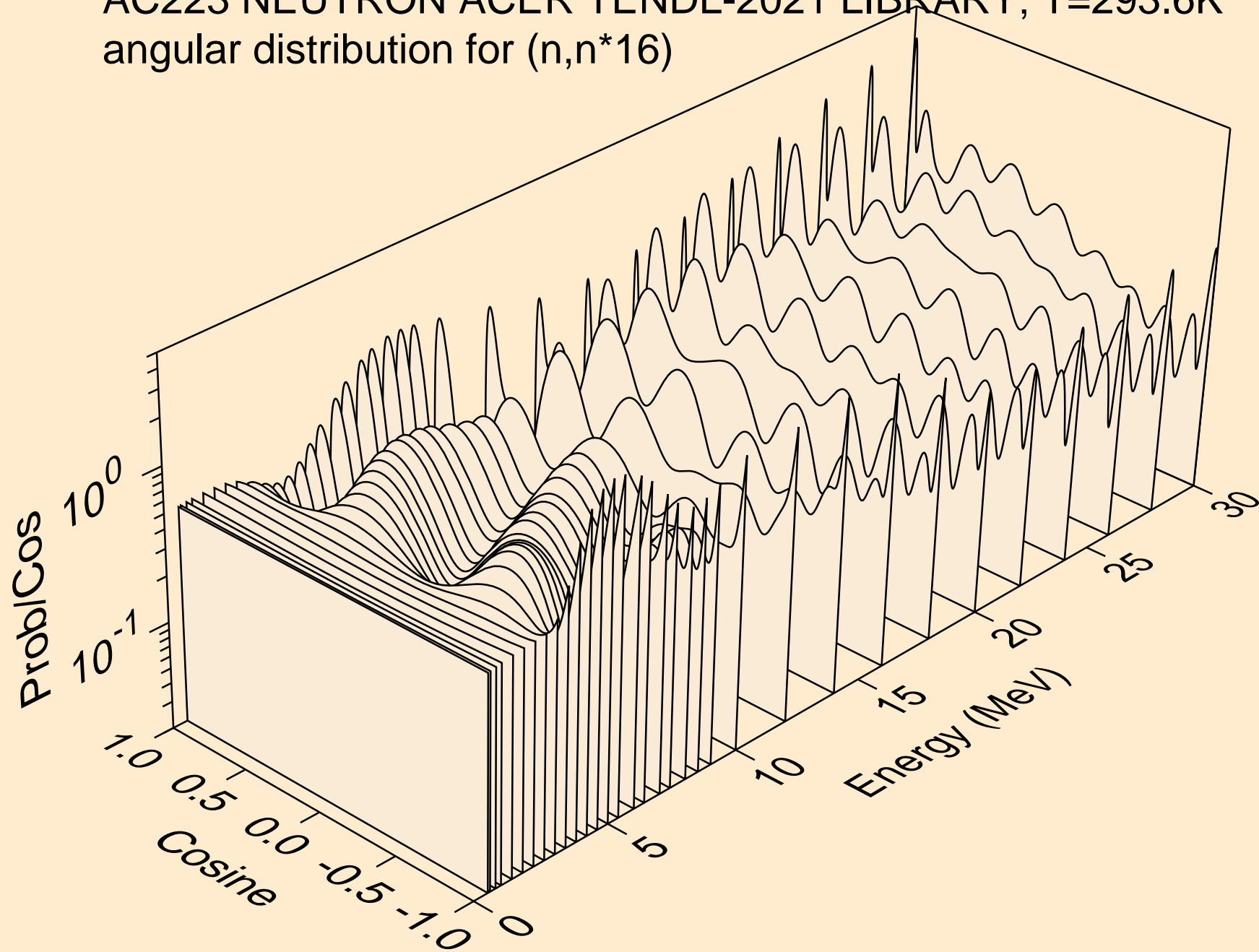
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*14)



AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*15)

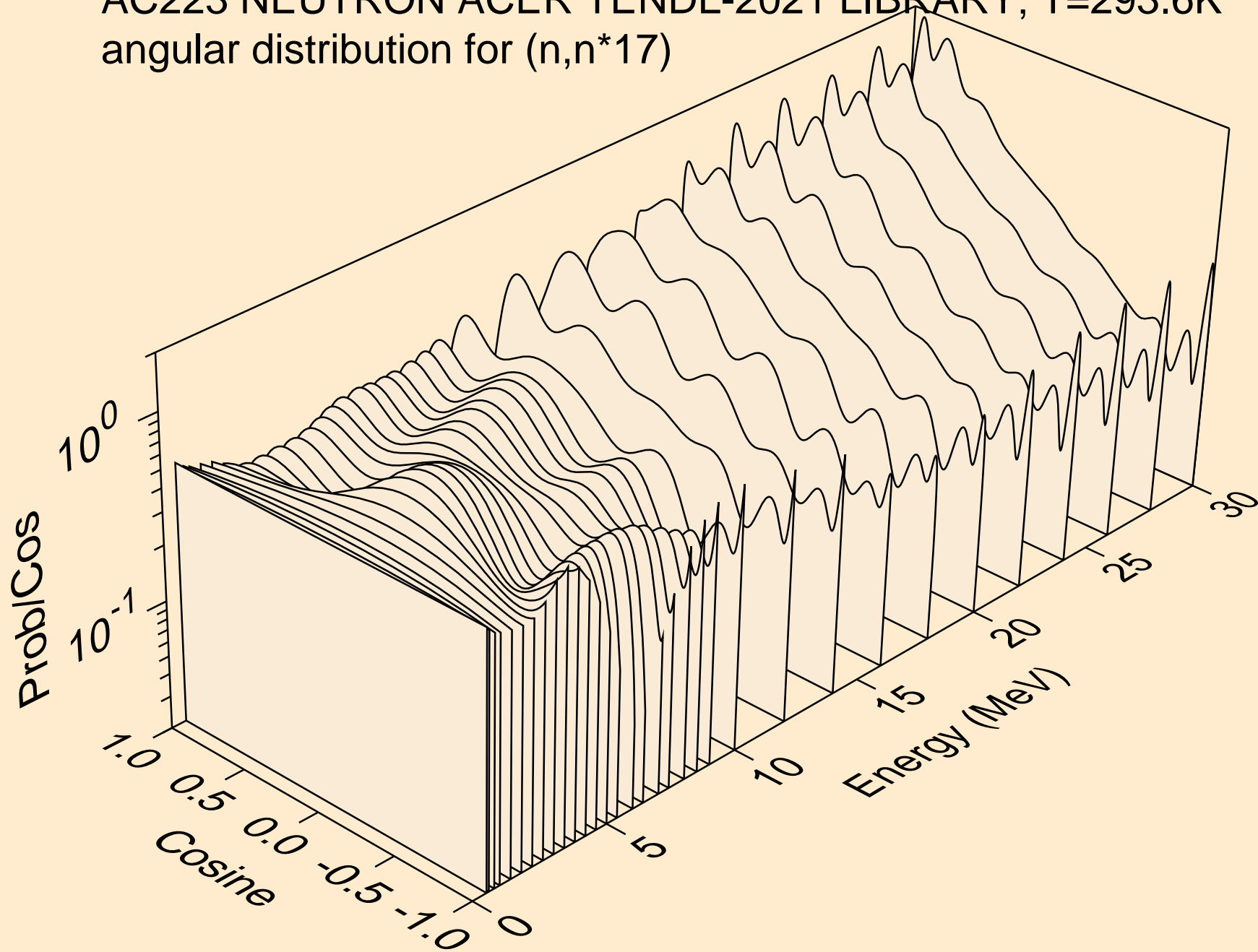


AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*16)



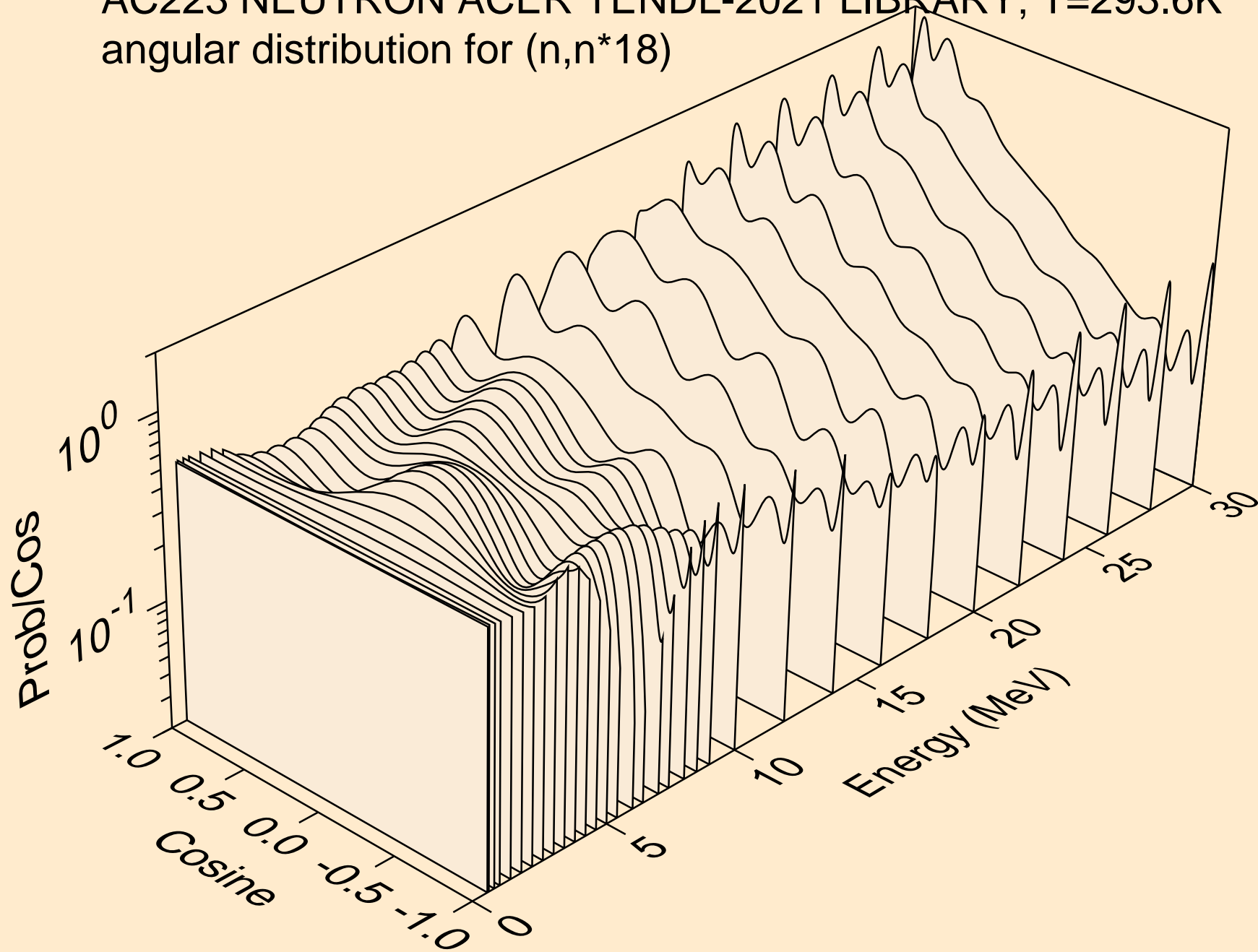


AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*17)

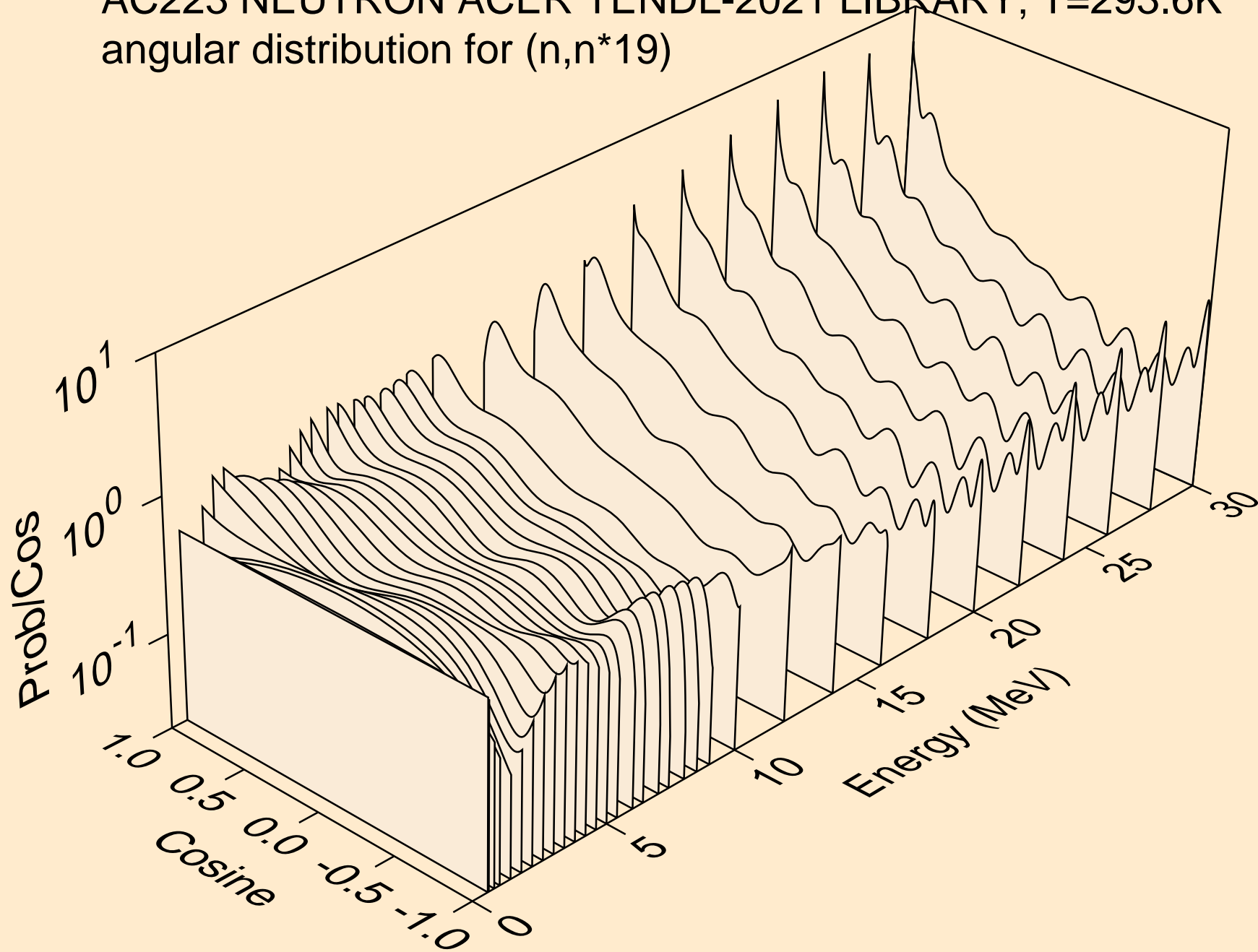




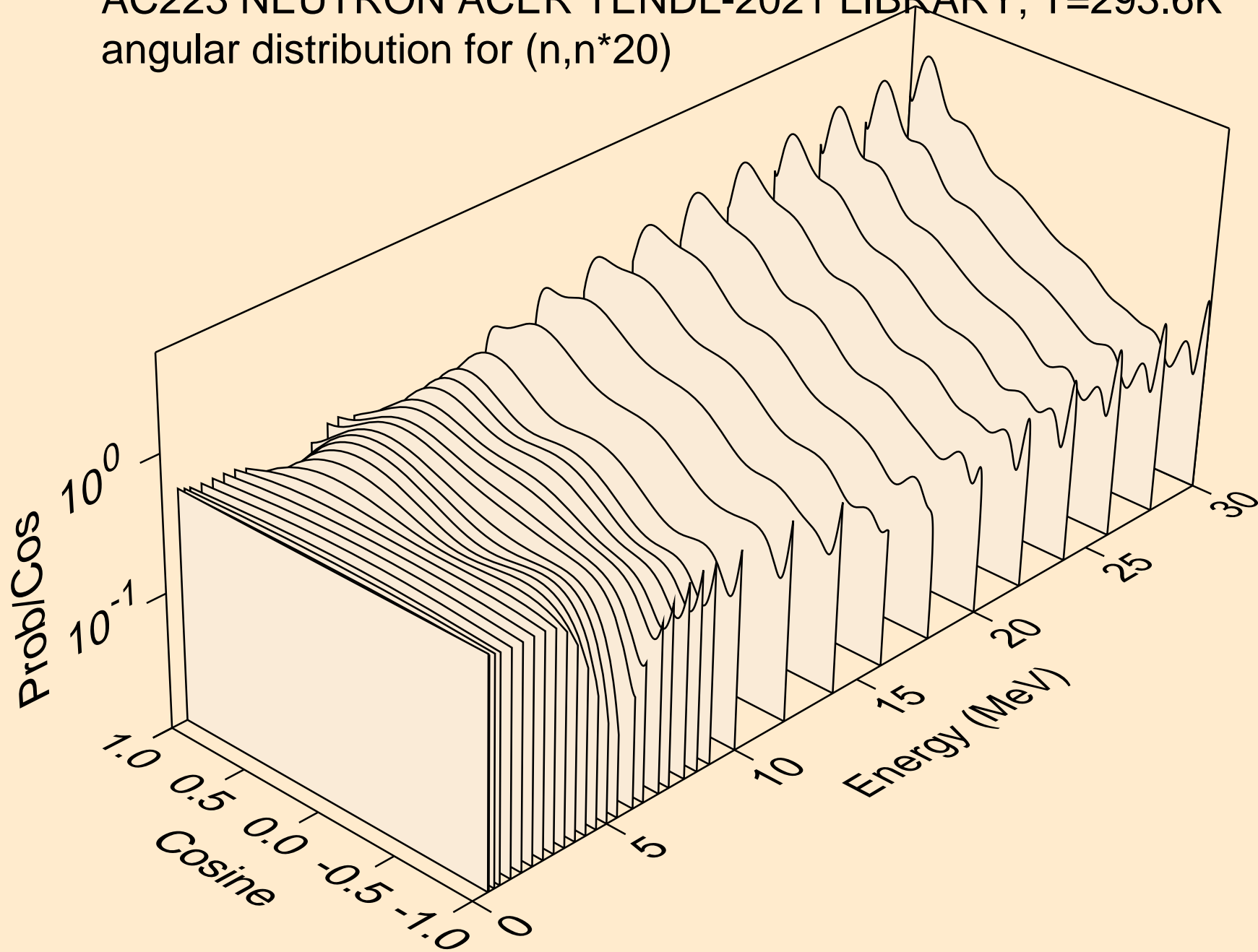
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angular distribution for (n,n\*18)



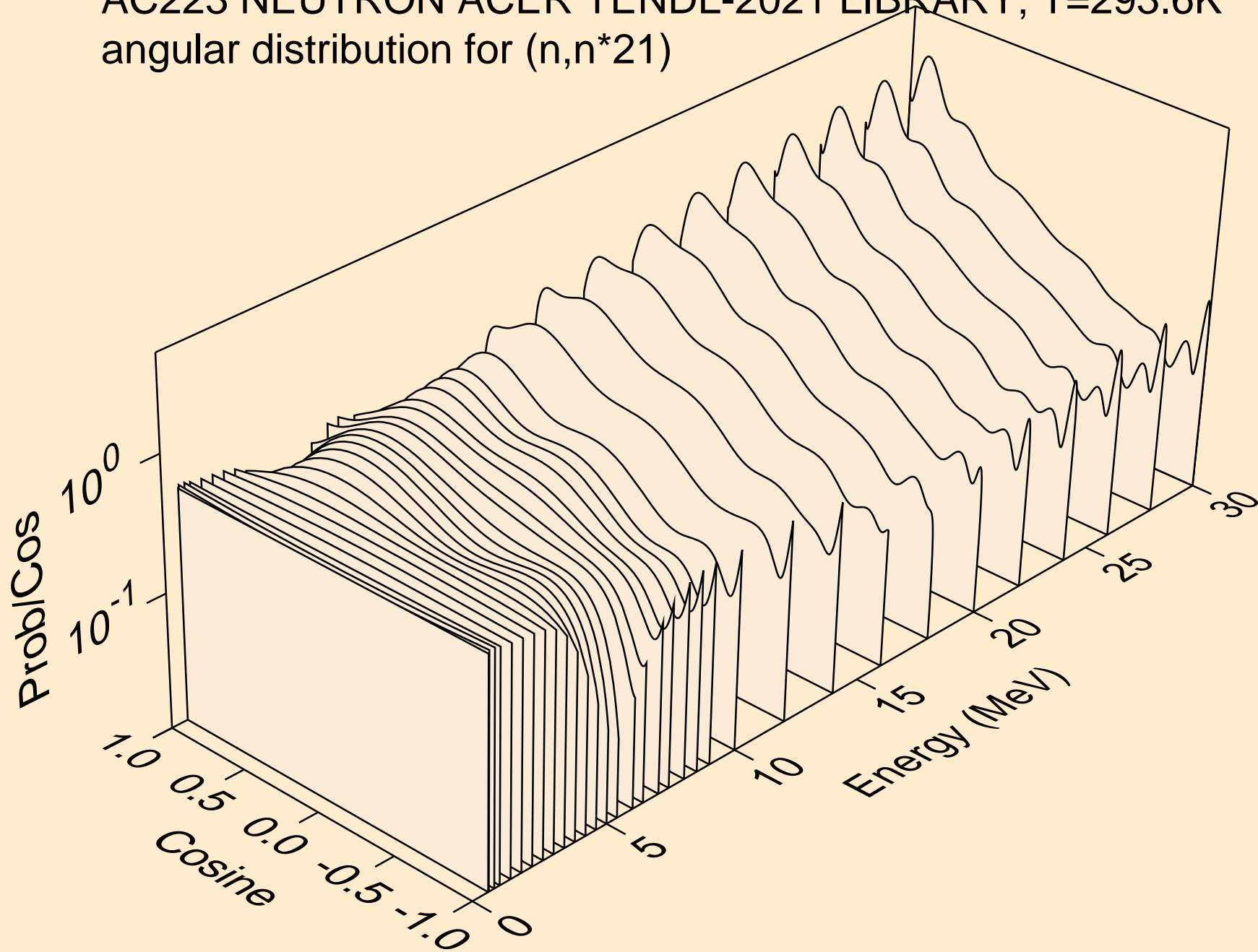
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angular distribution for (n,n\*19)



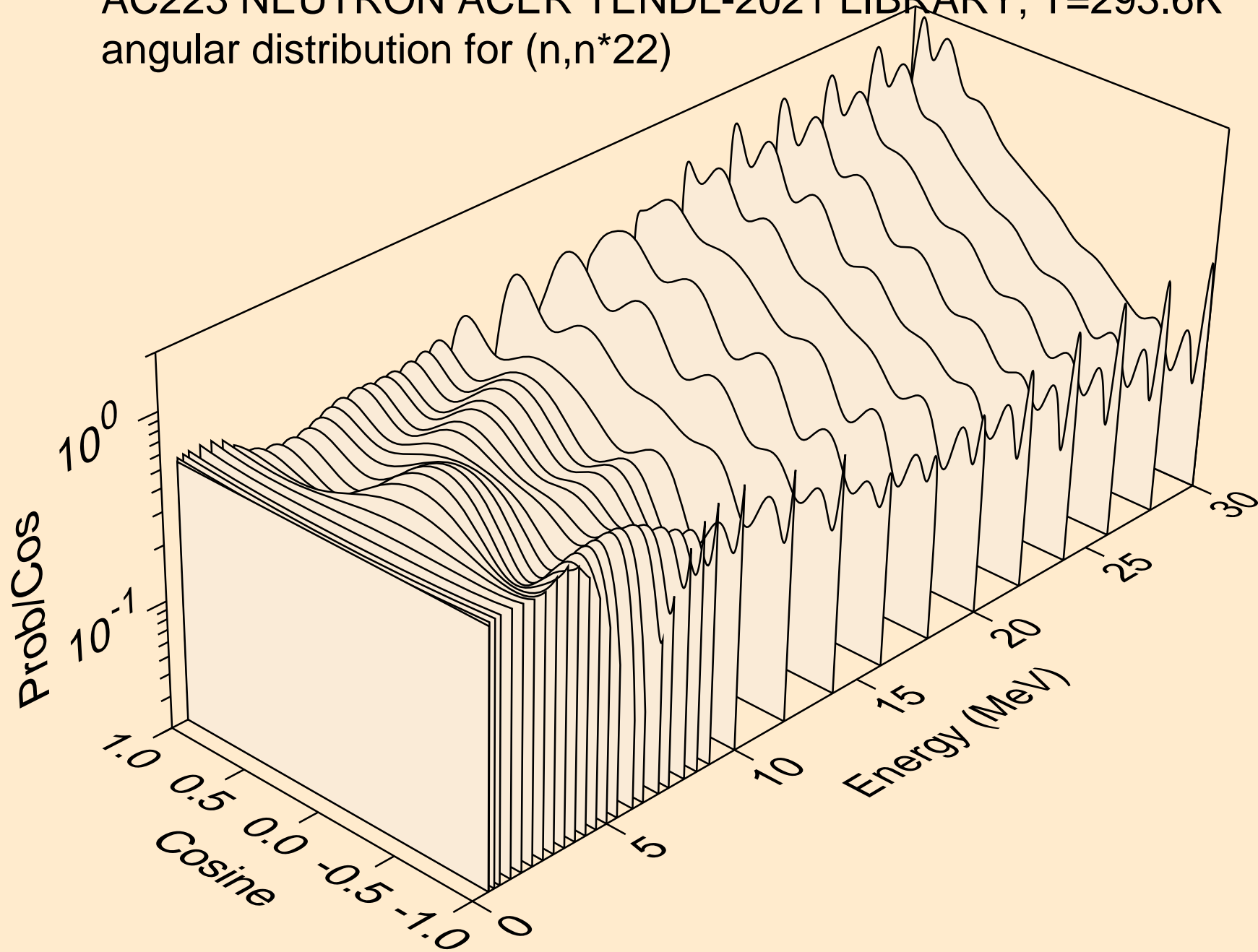
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angular distribution for (n,n\*20)



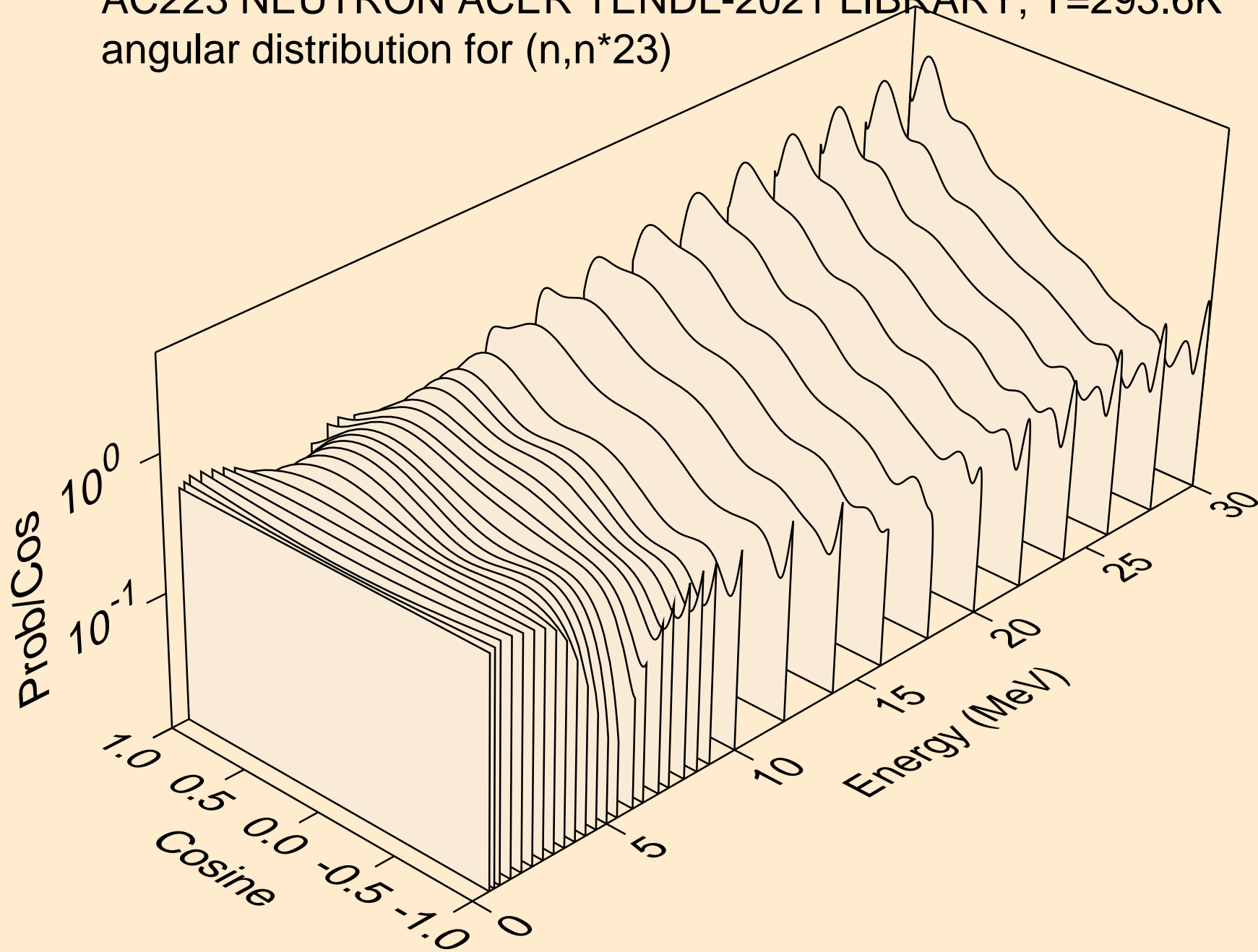
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angular distribution for (n,n\*21)



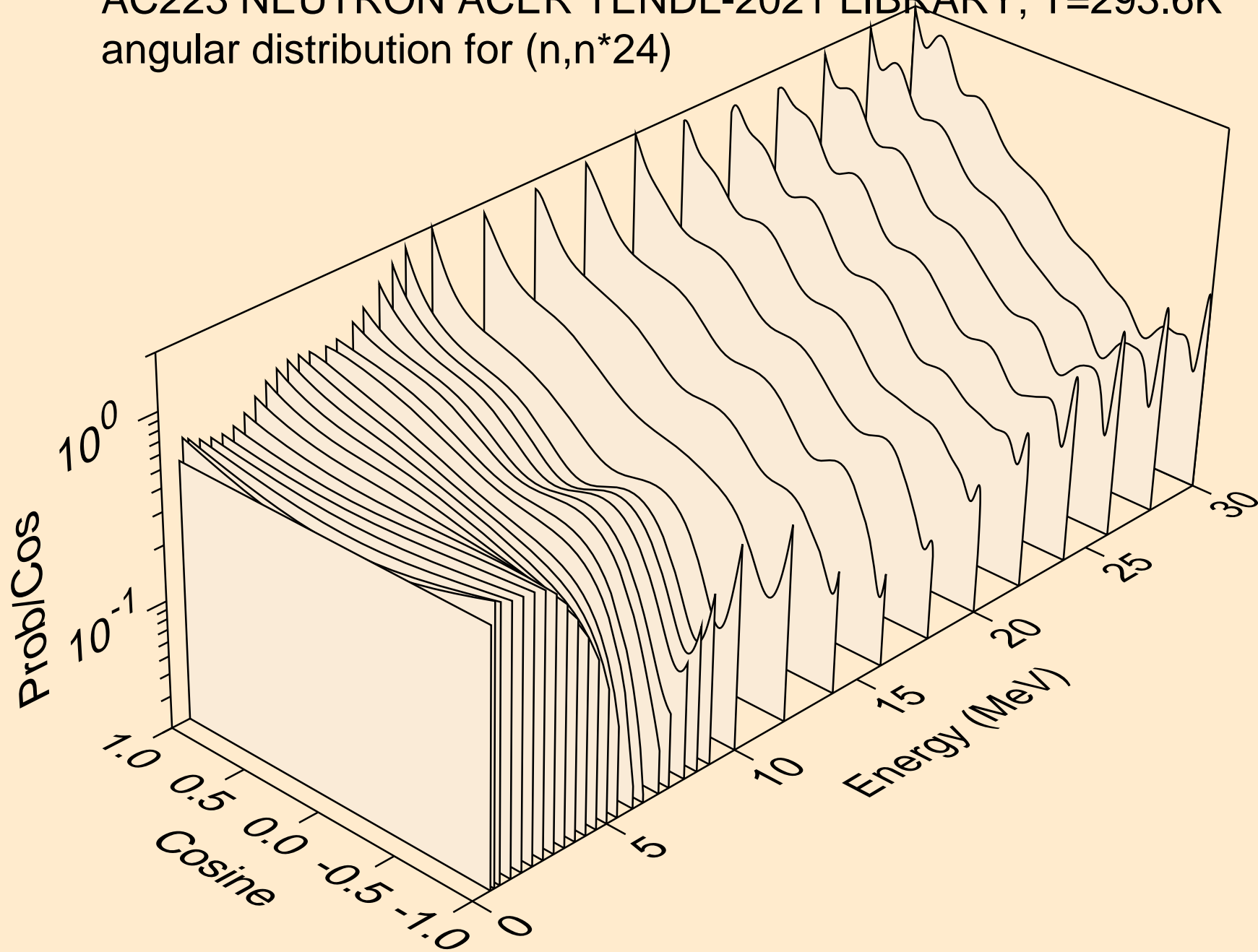
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*22)



AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*23)

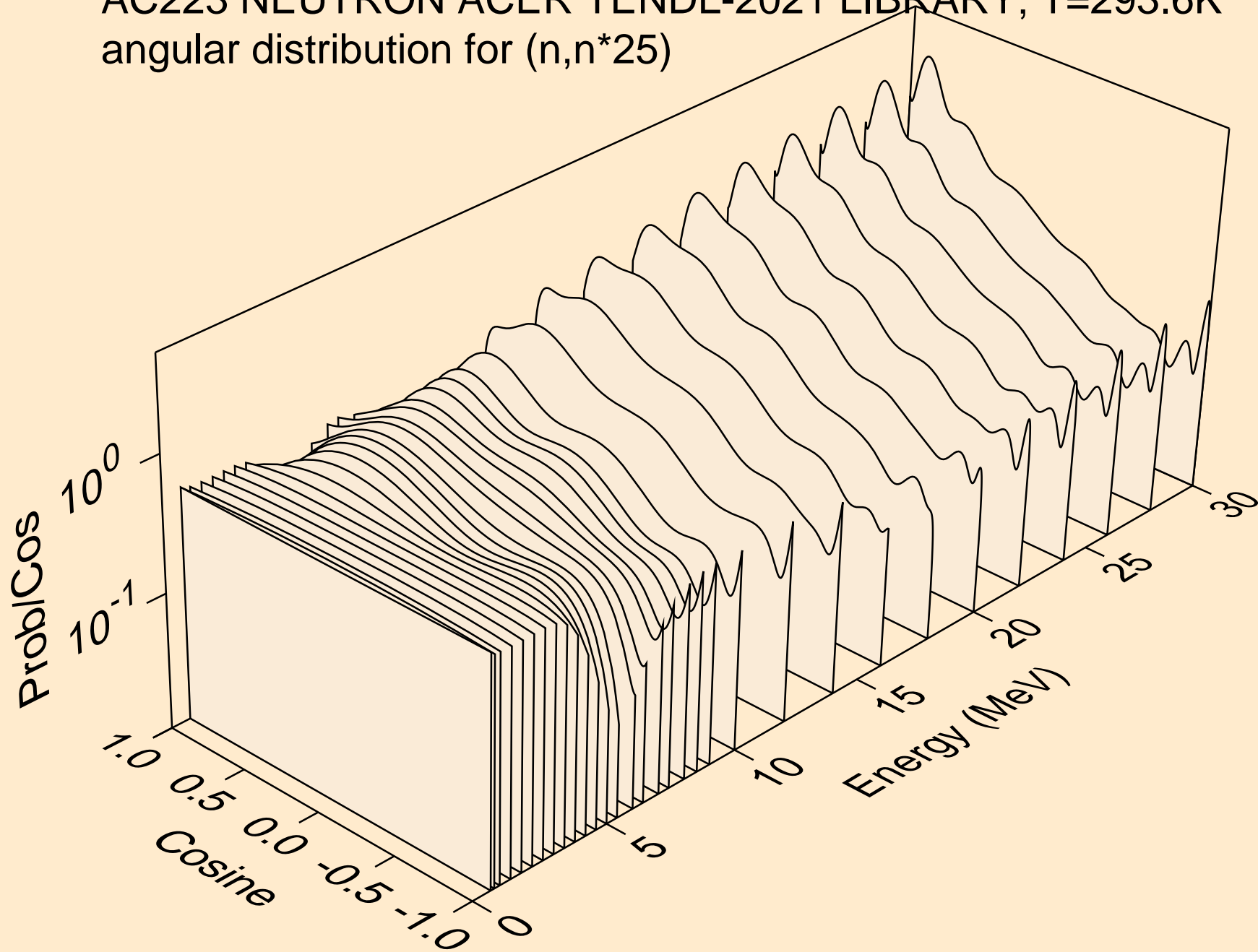


AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*24)



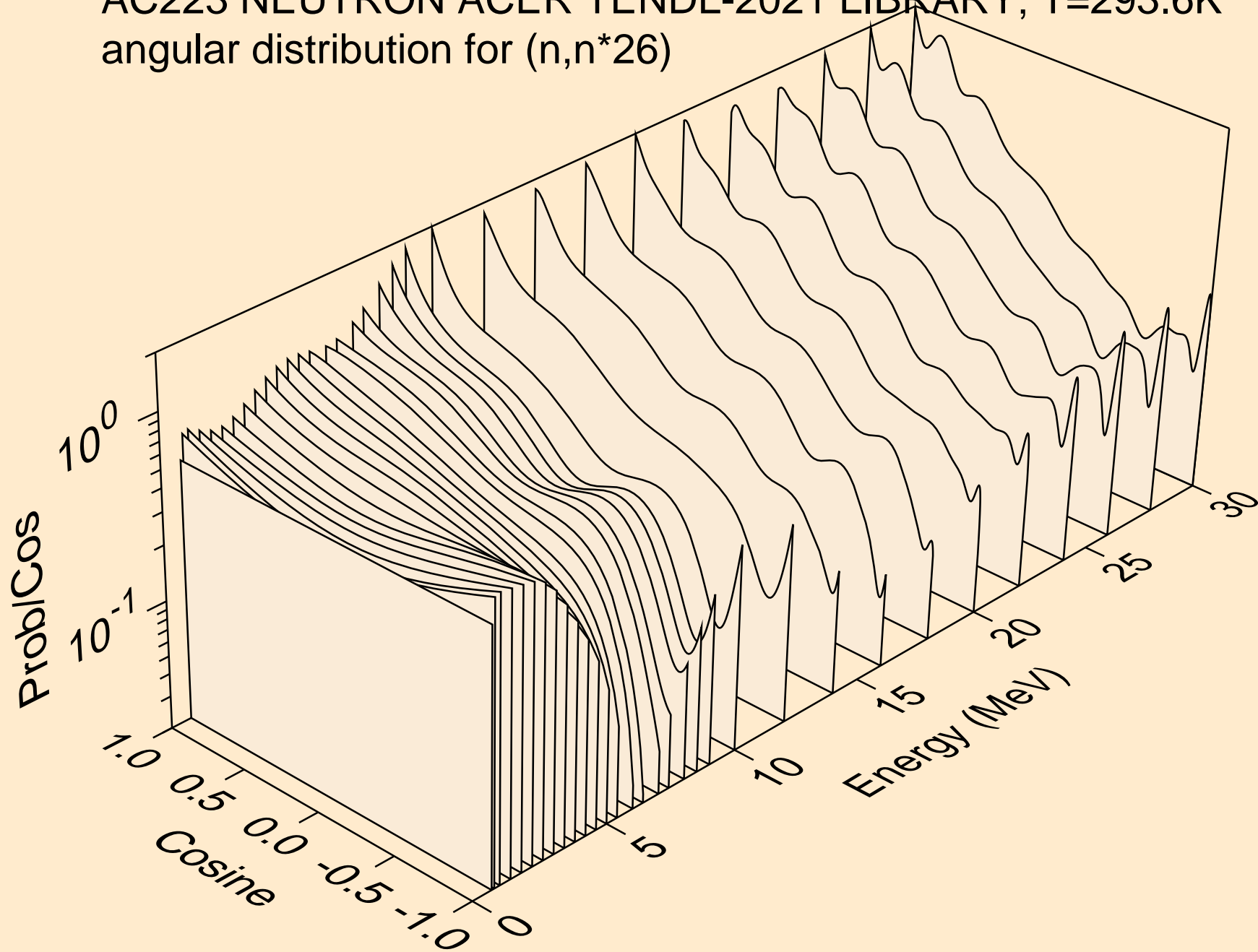


AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*25)

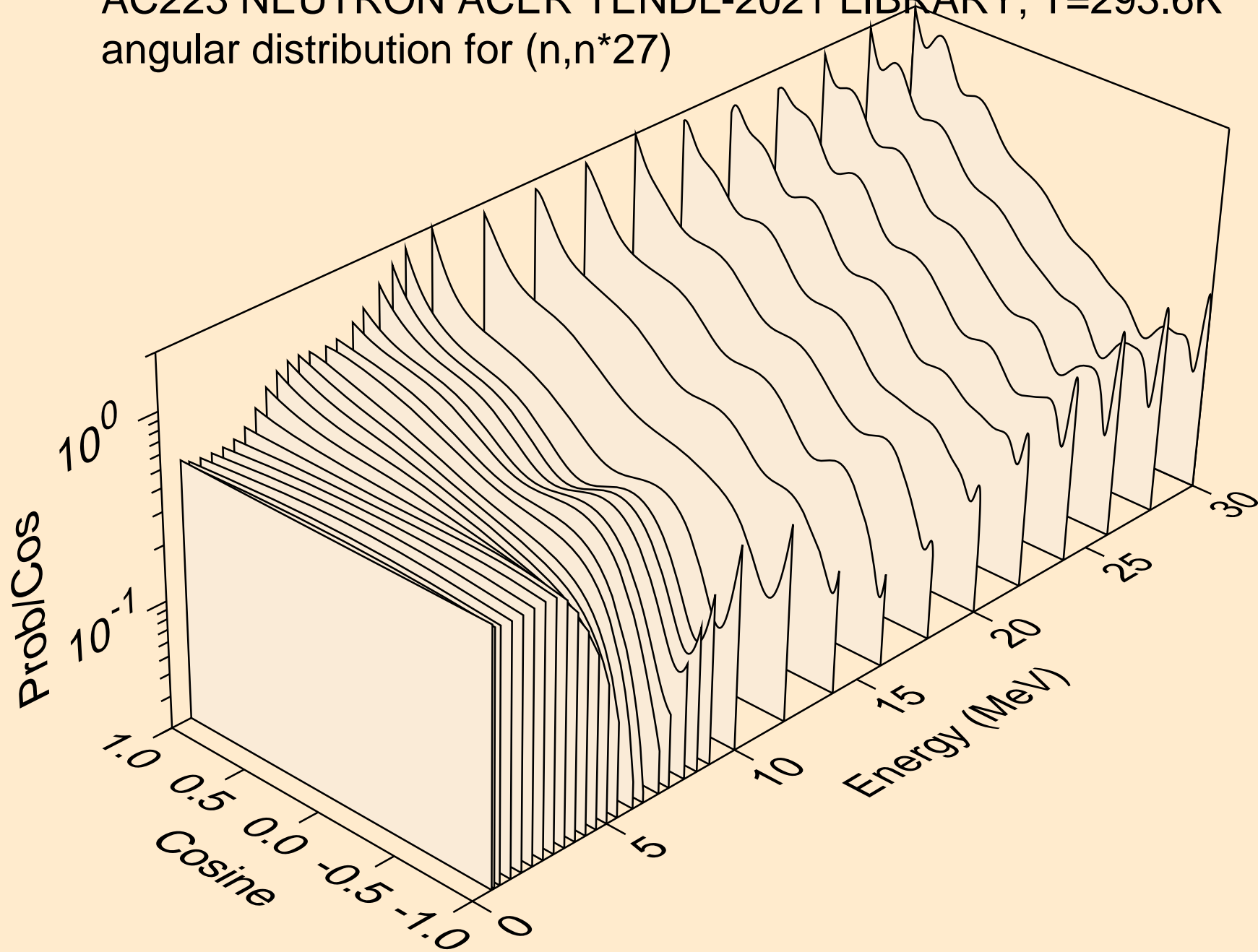




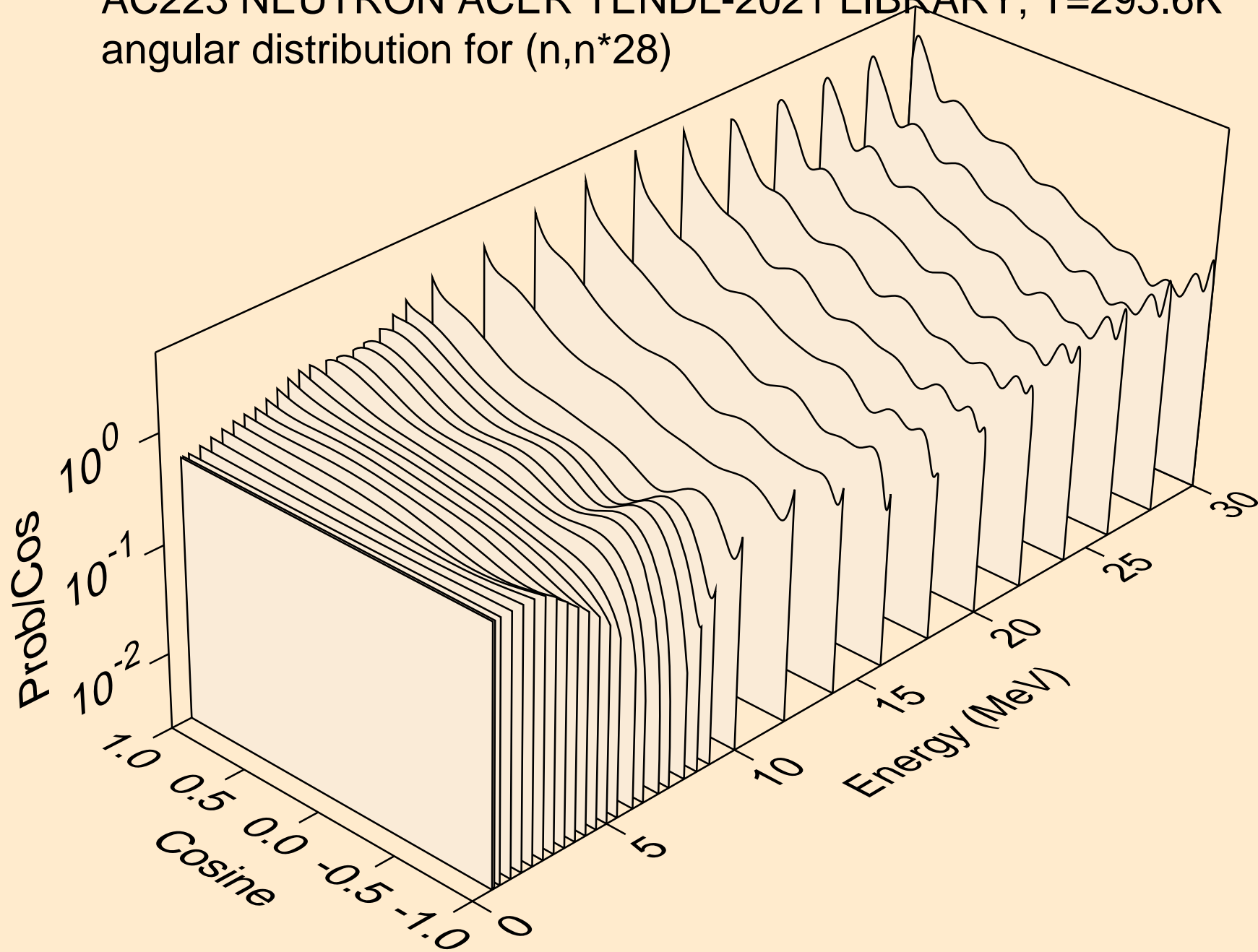
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*26)



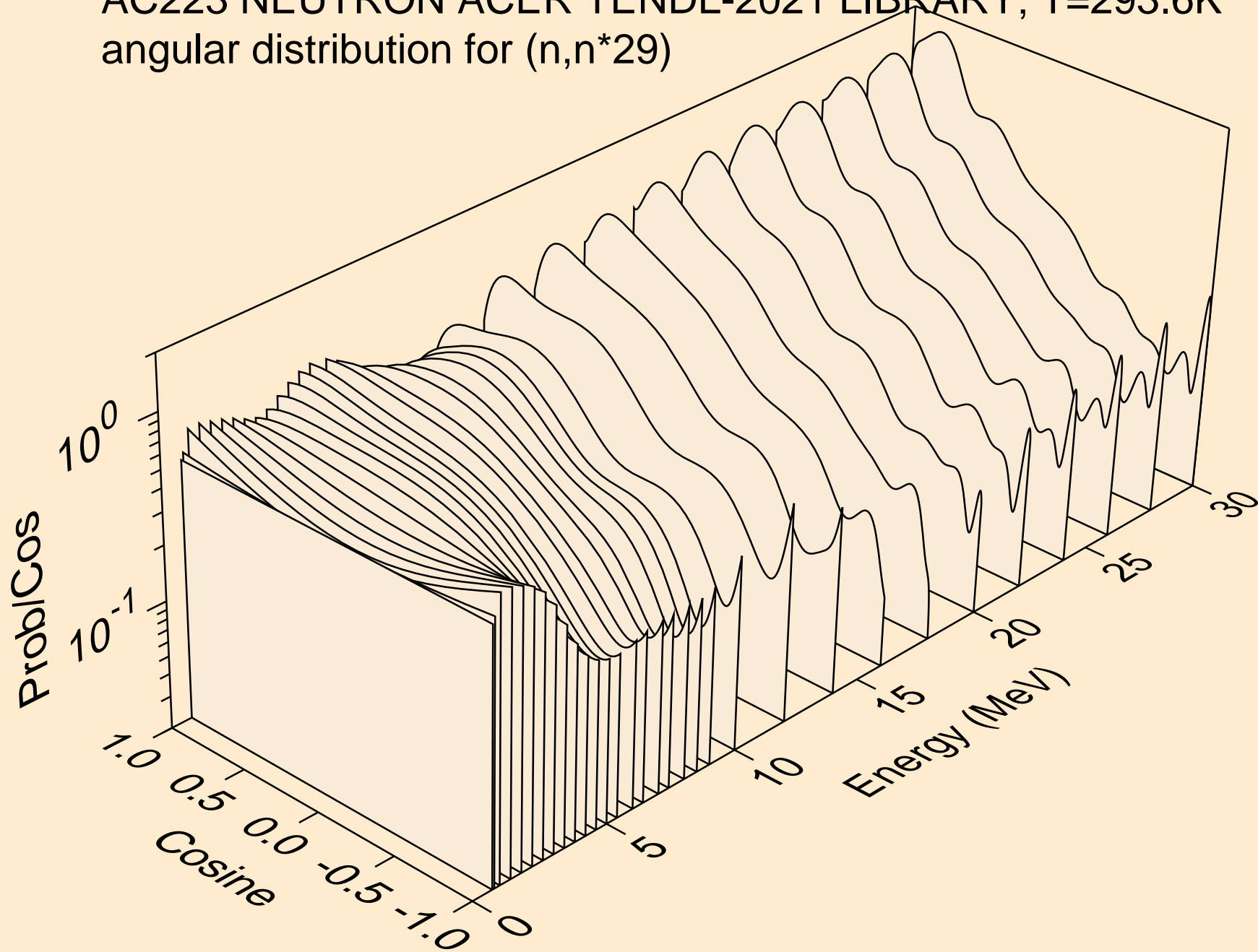
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*27)



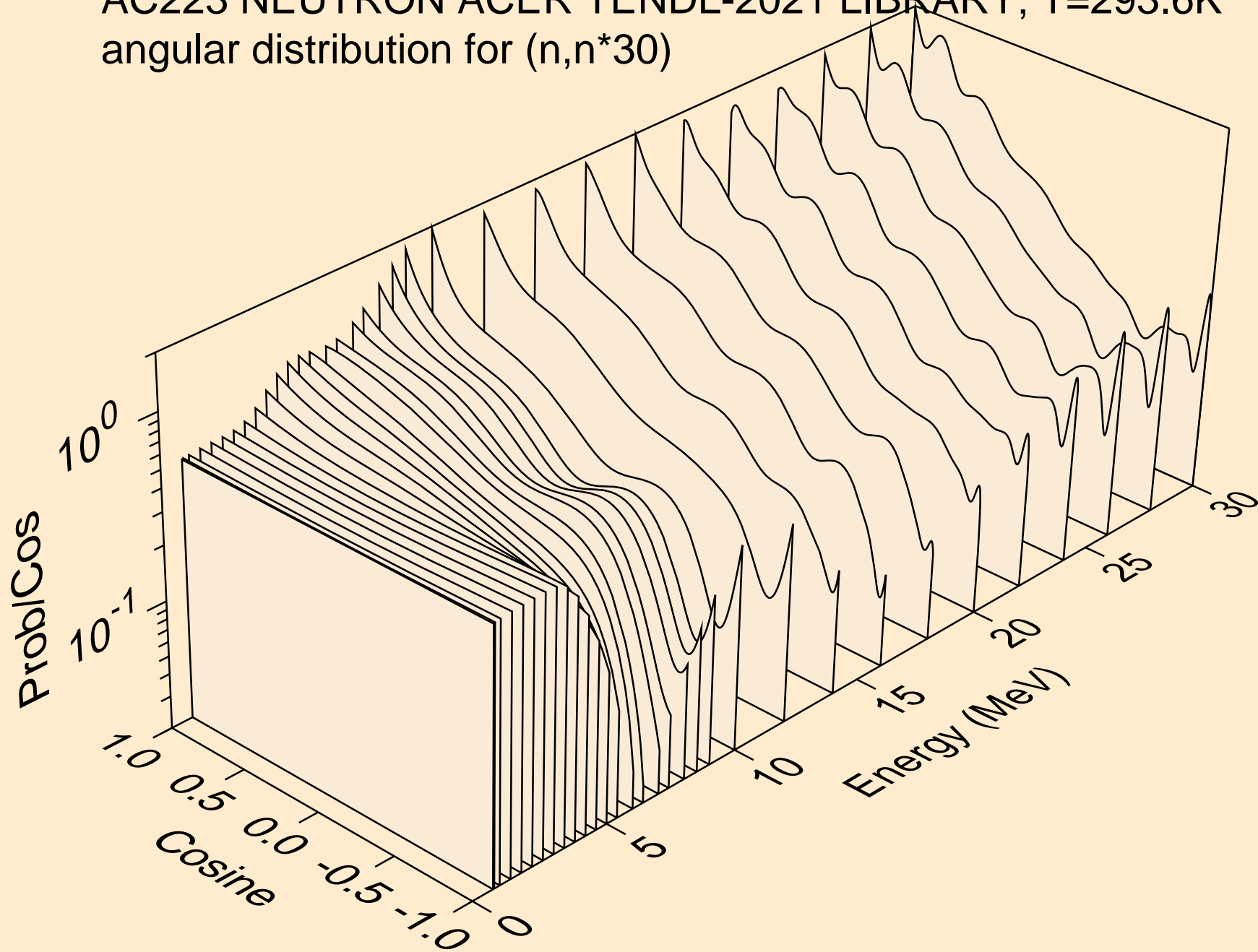
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*28)



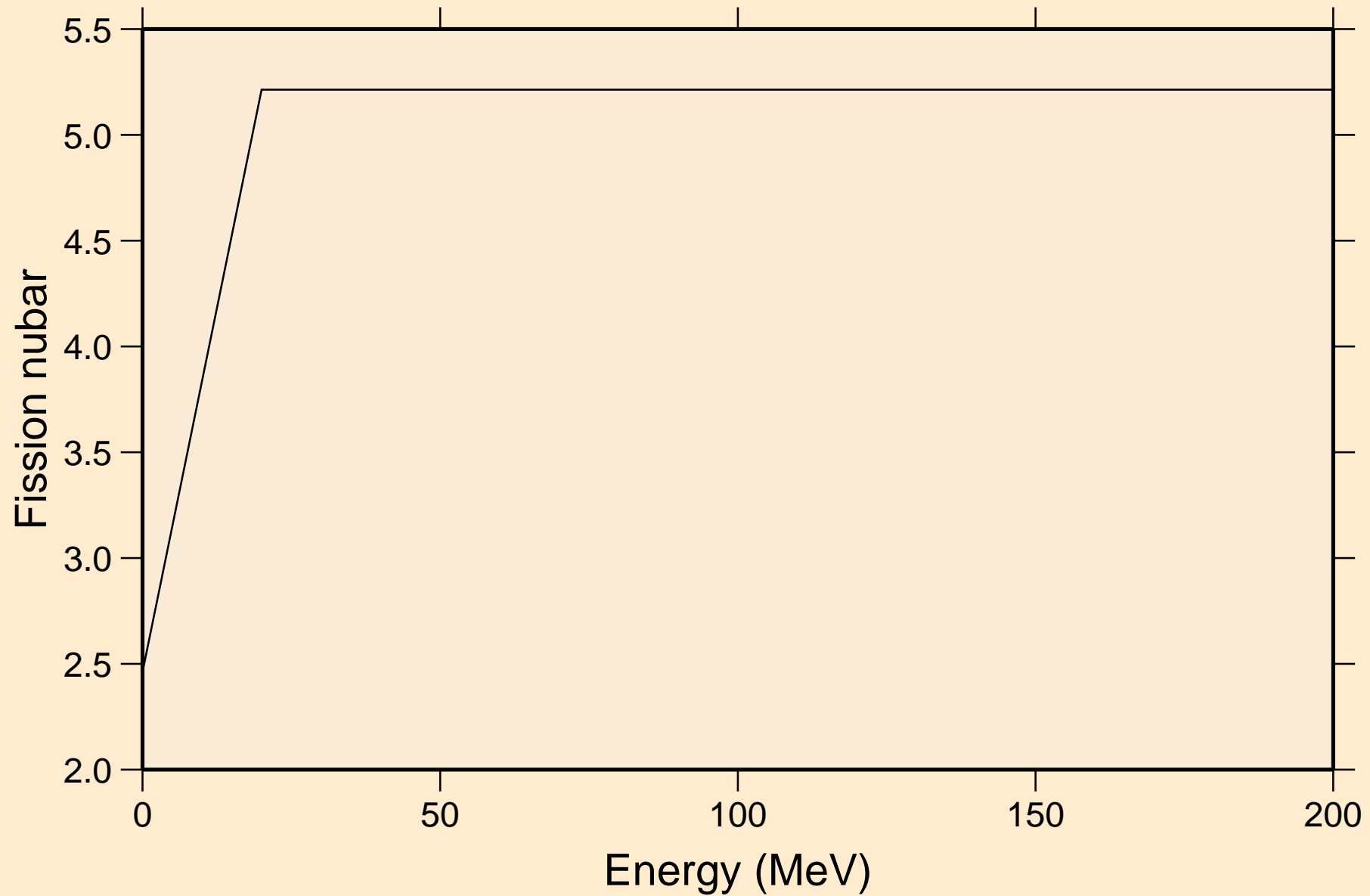
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angular distribution for (n,n\*29)



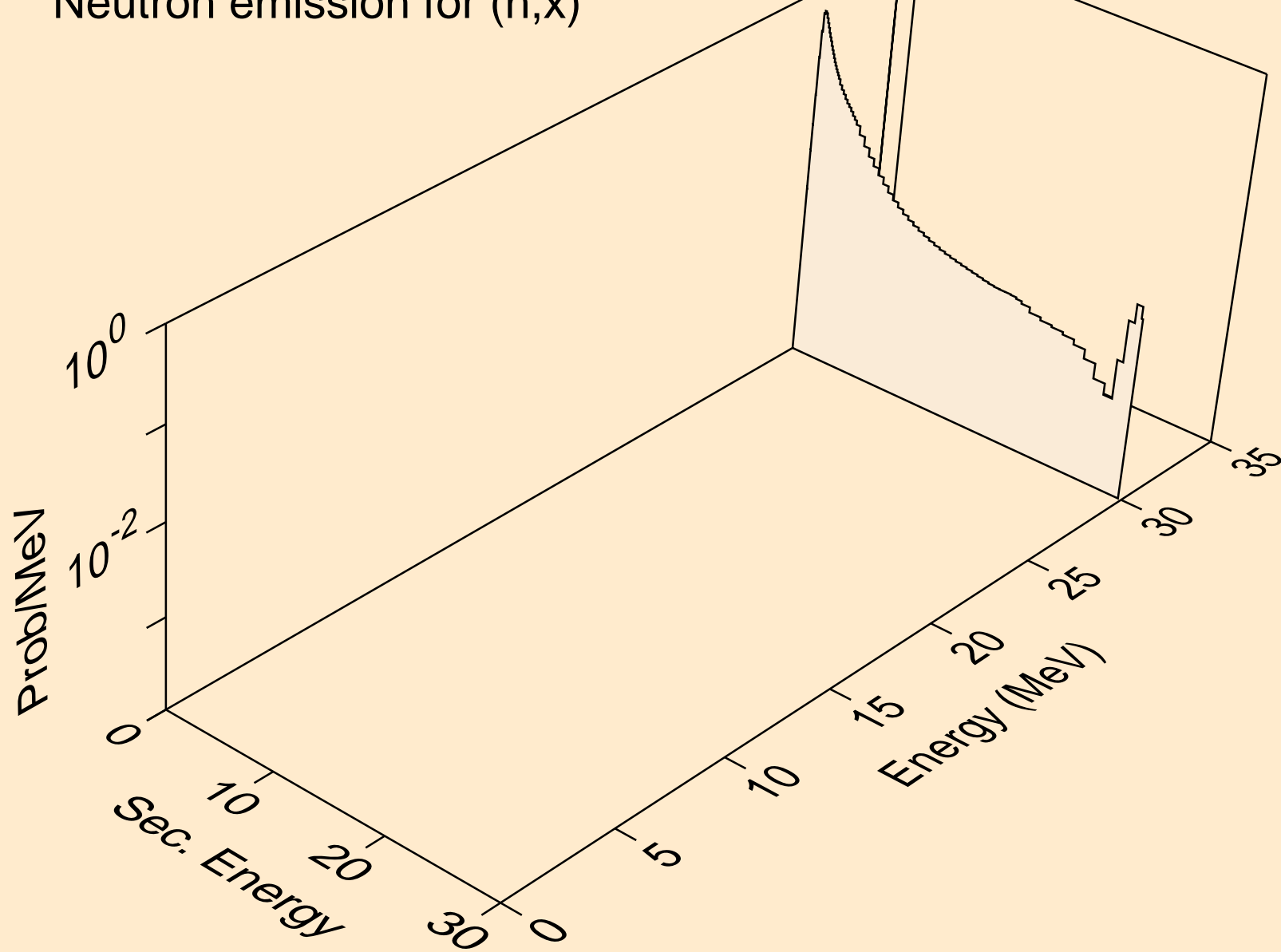
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*30)



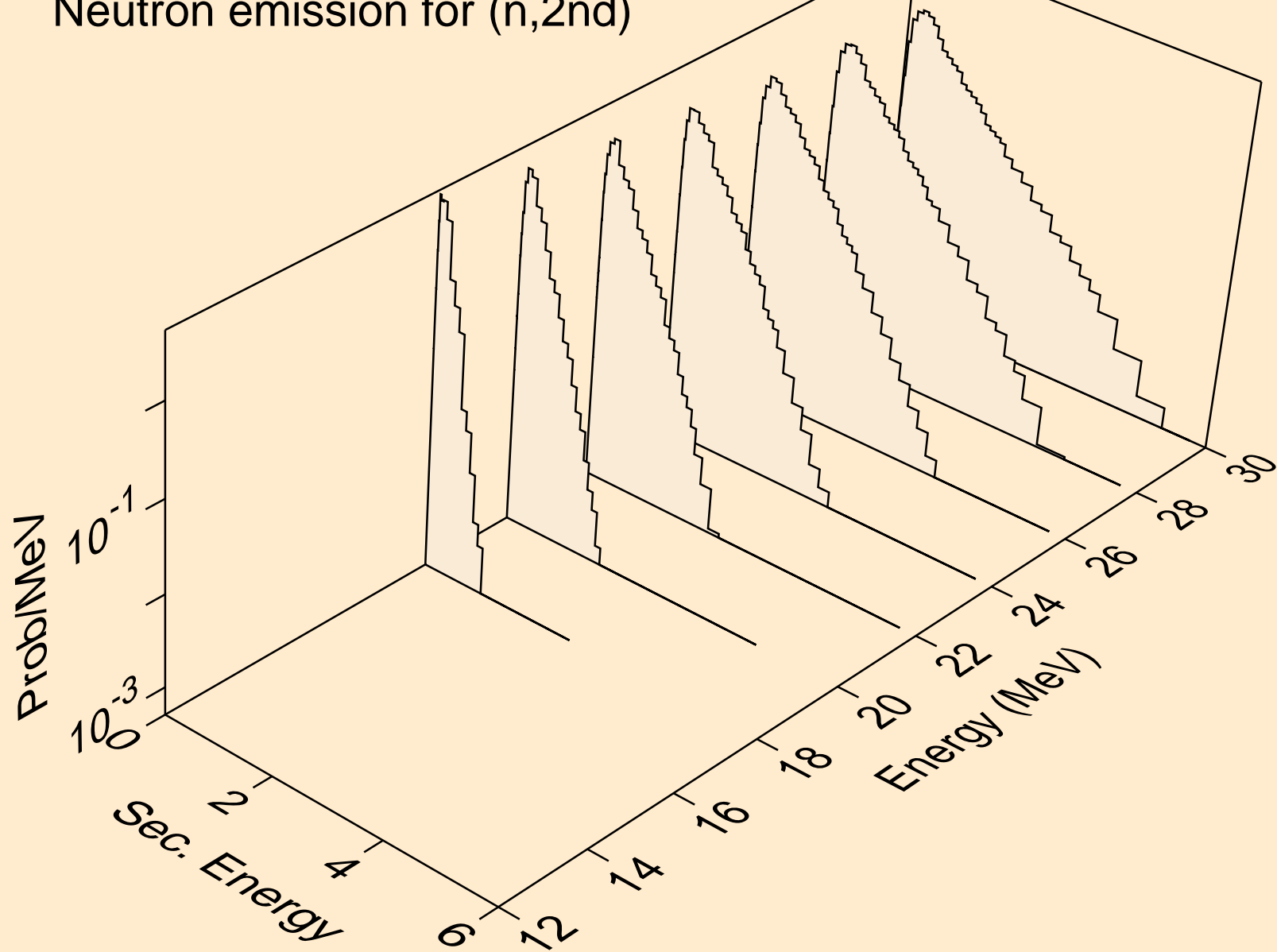
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Total fission nubar



AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)

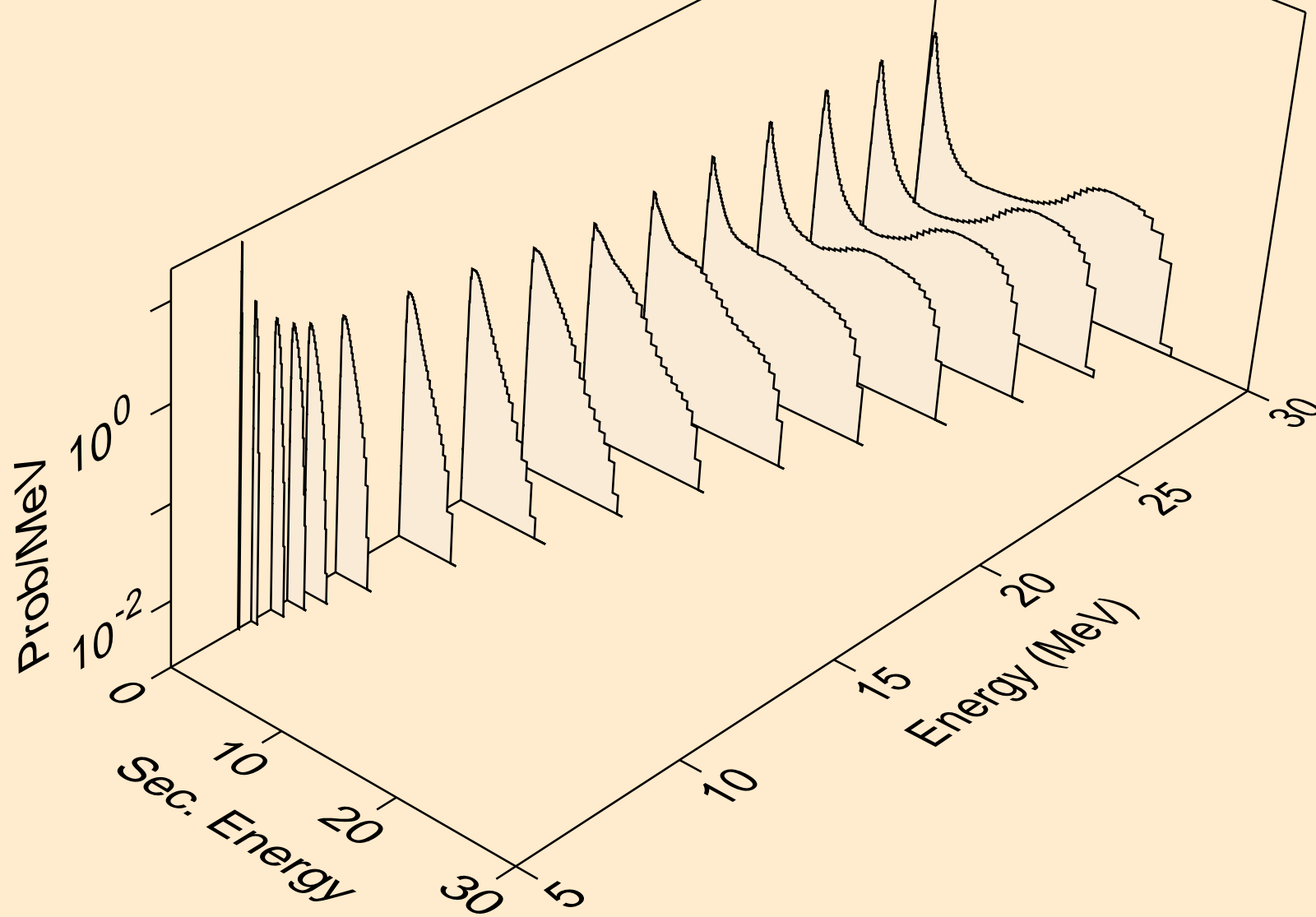


AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)

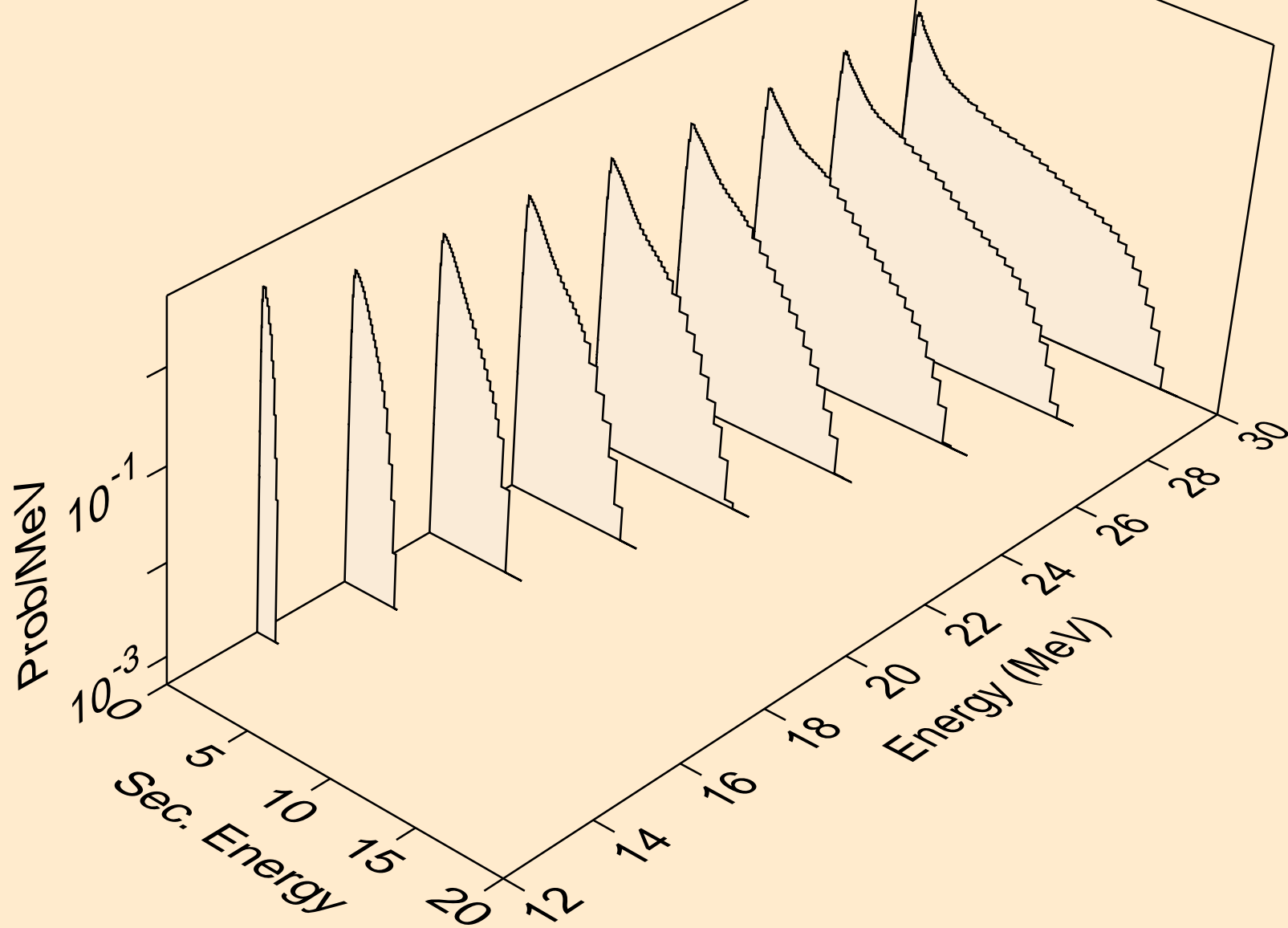




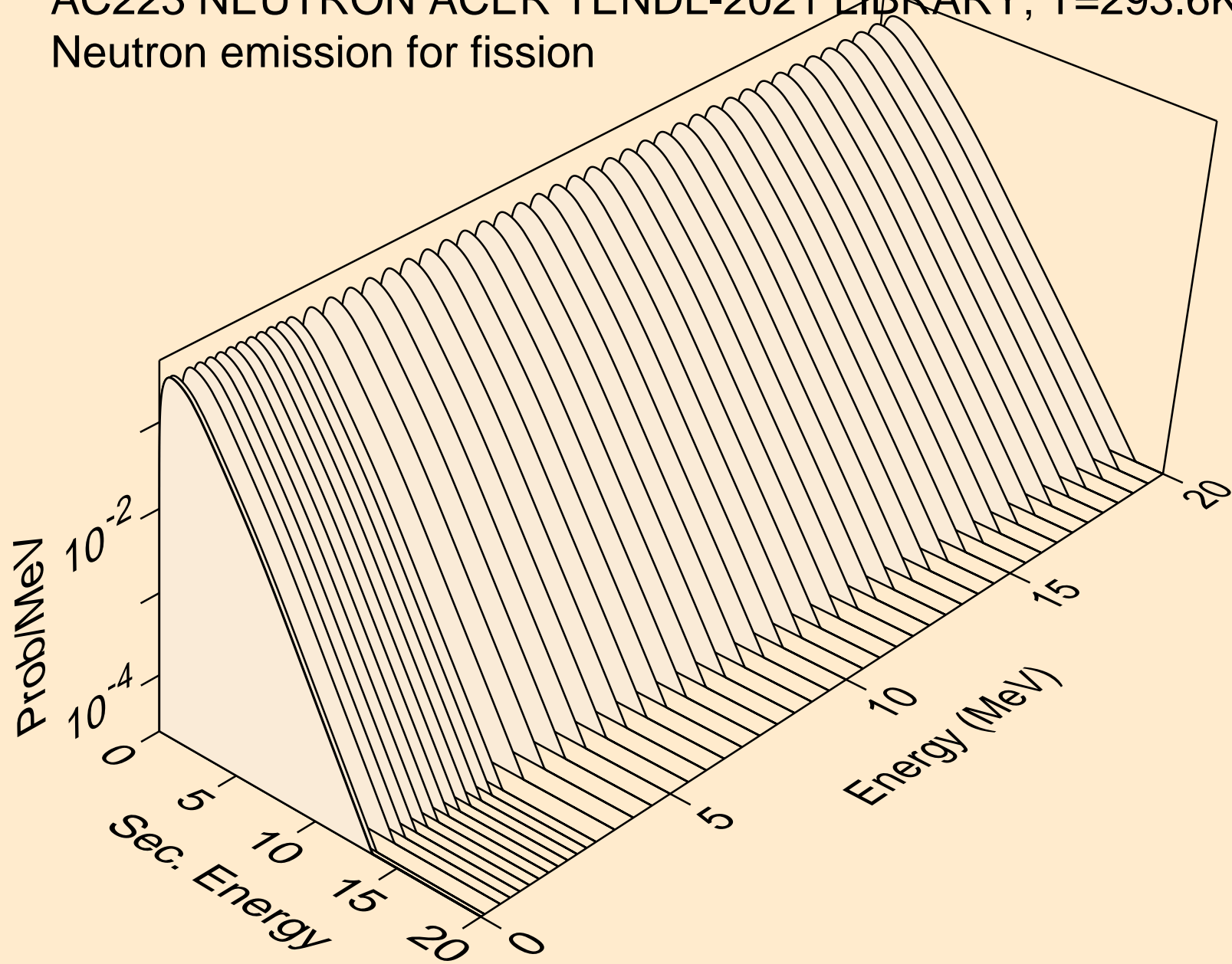
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



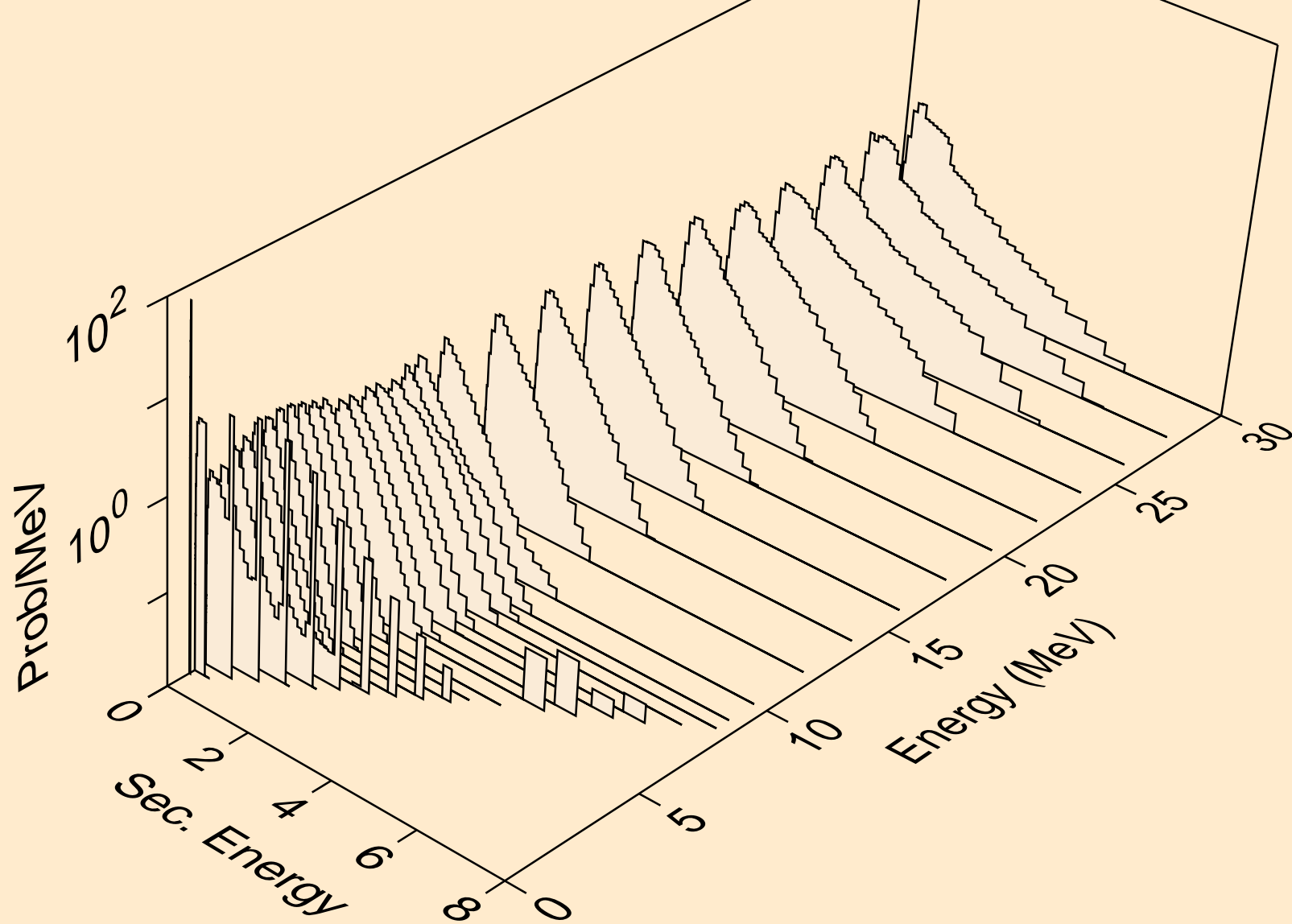
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



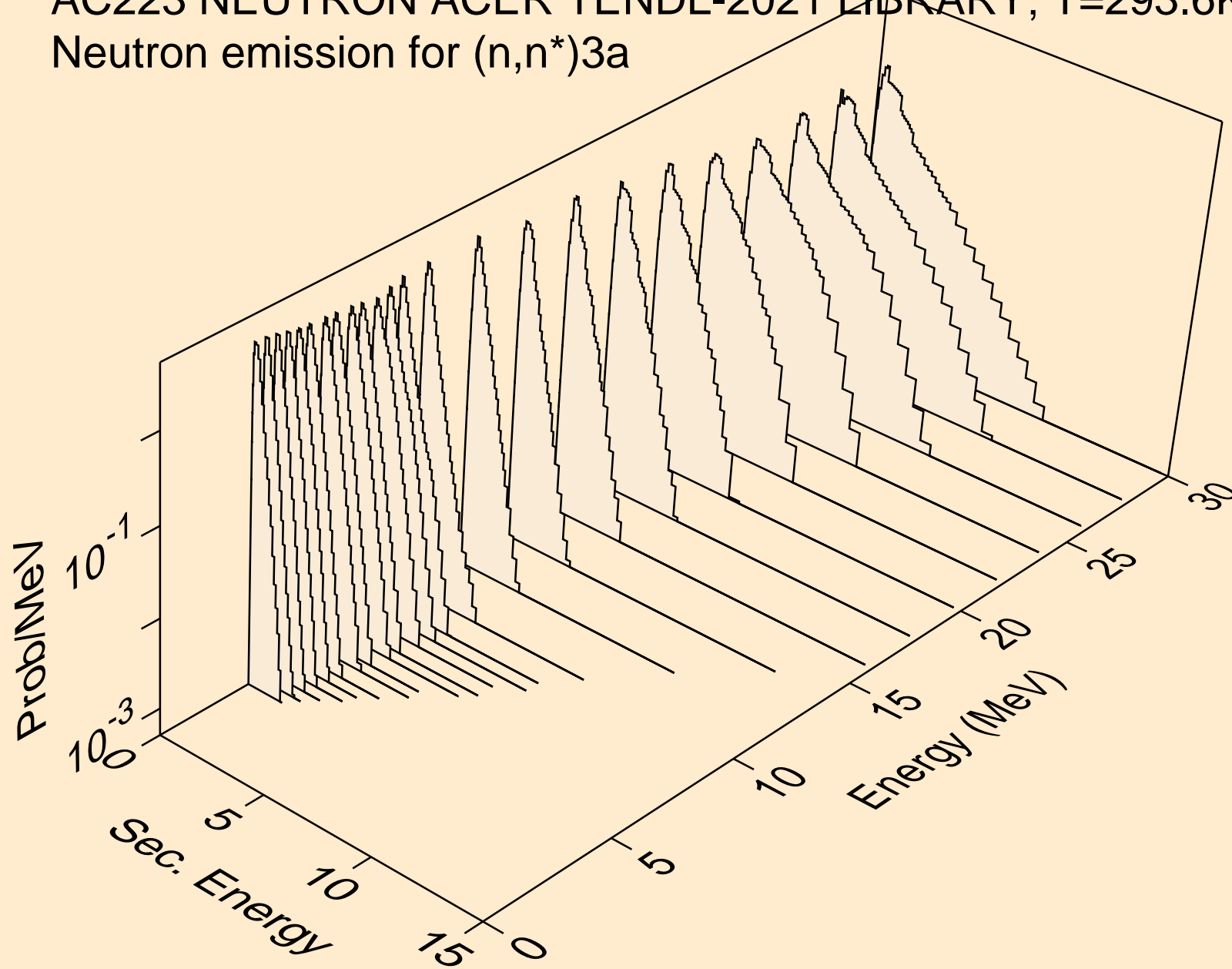
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for fission



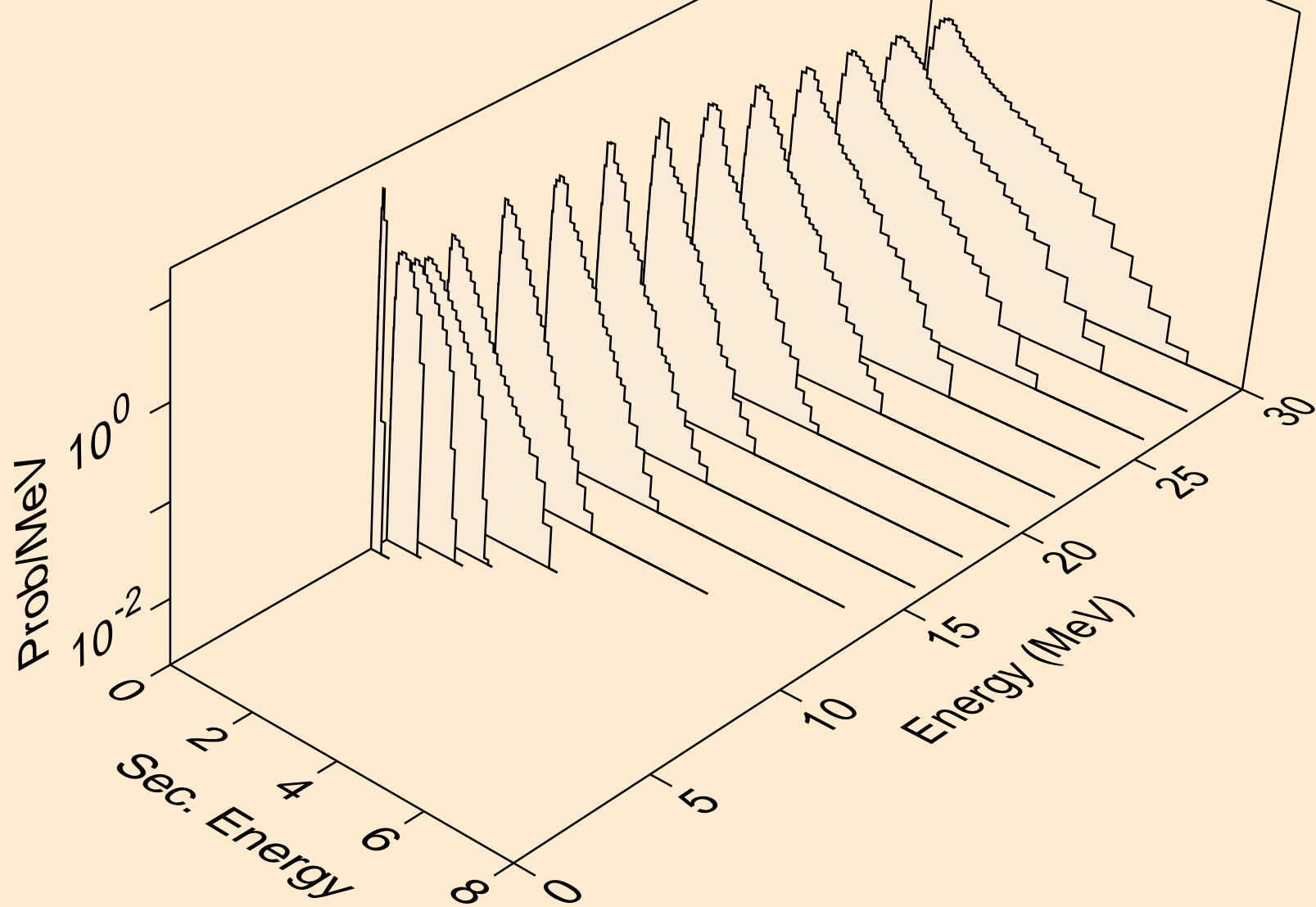
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



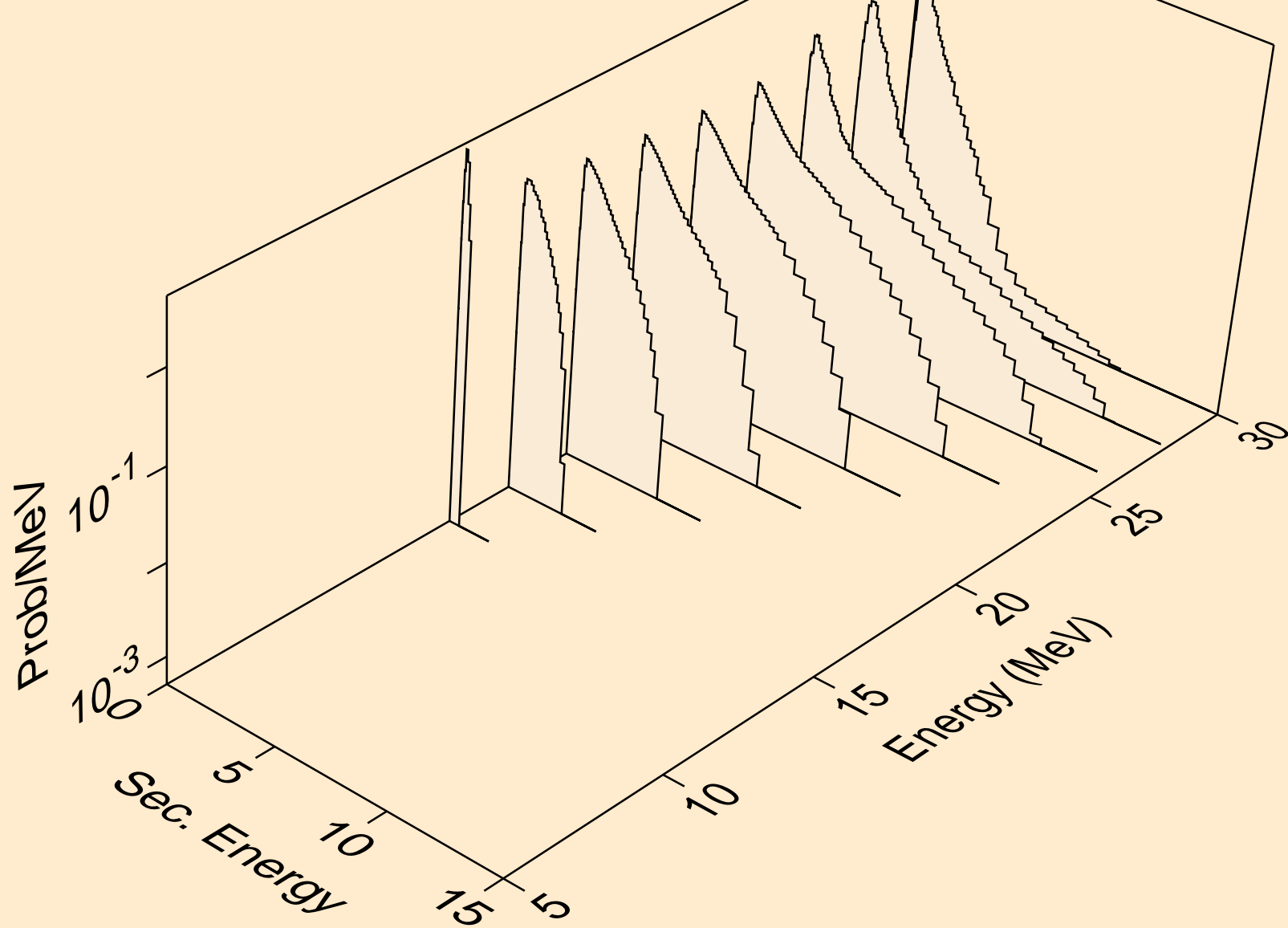
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)3a



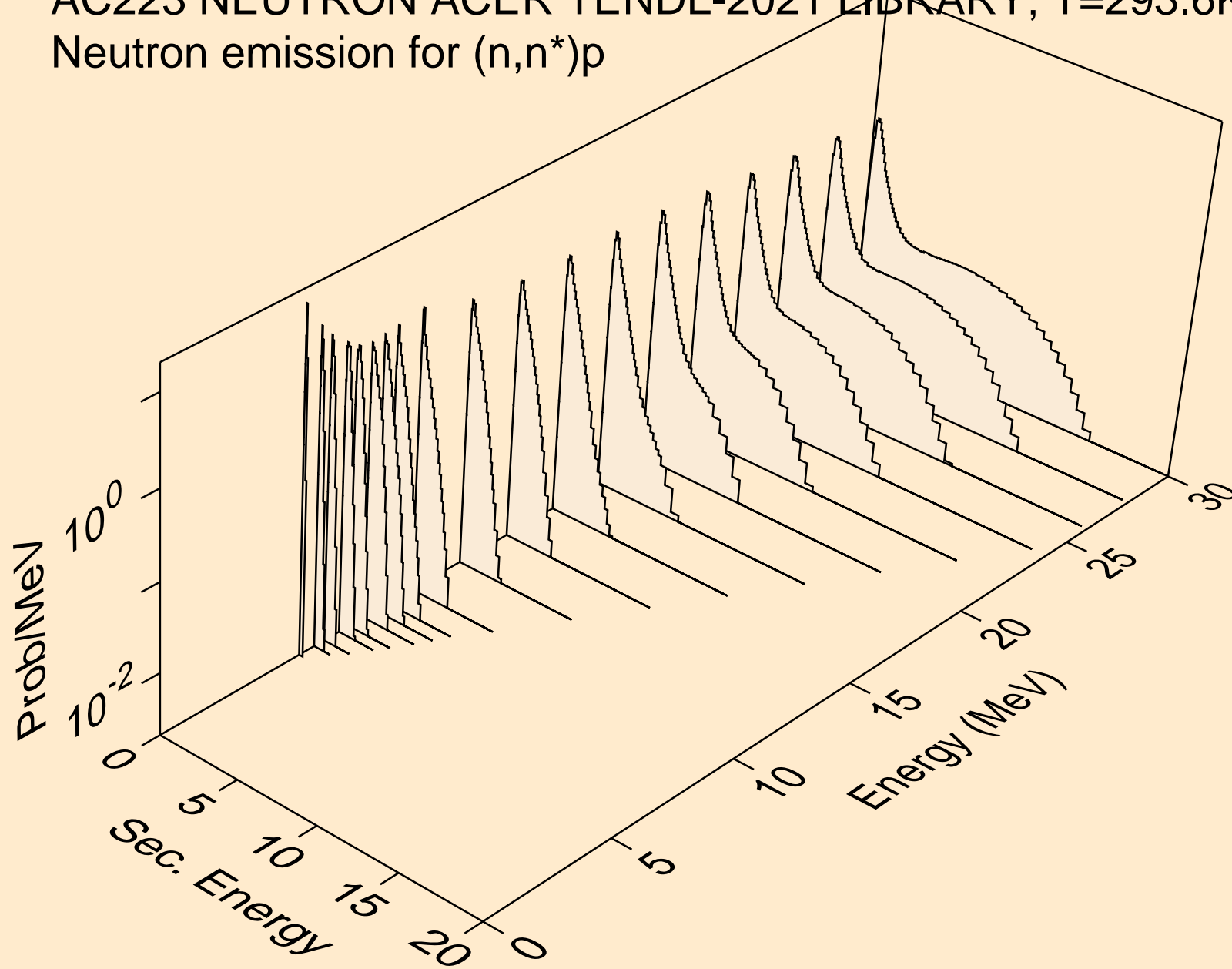
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)a



AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n) $\alpha$

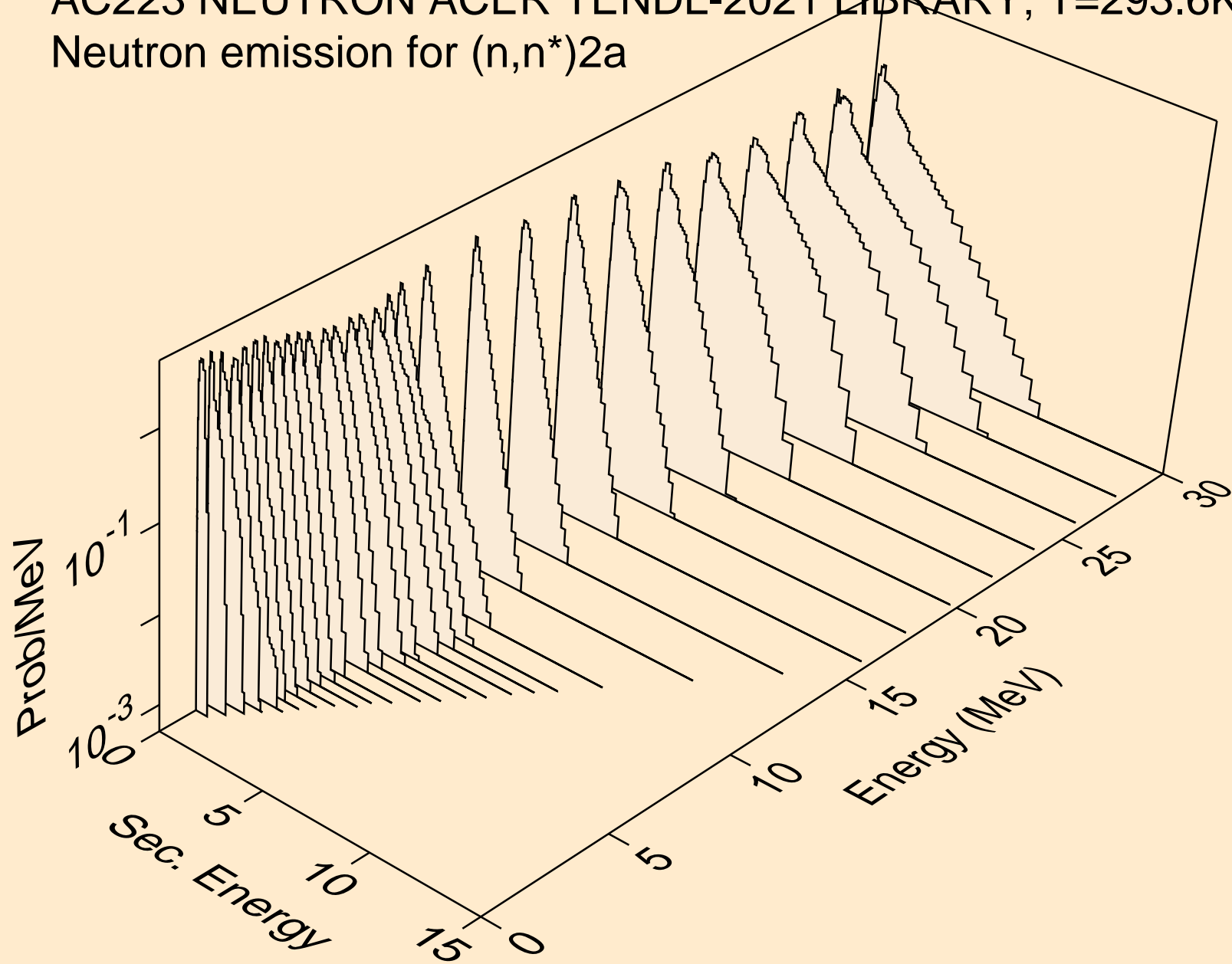


AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p

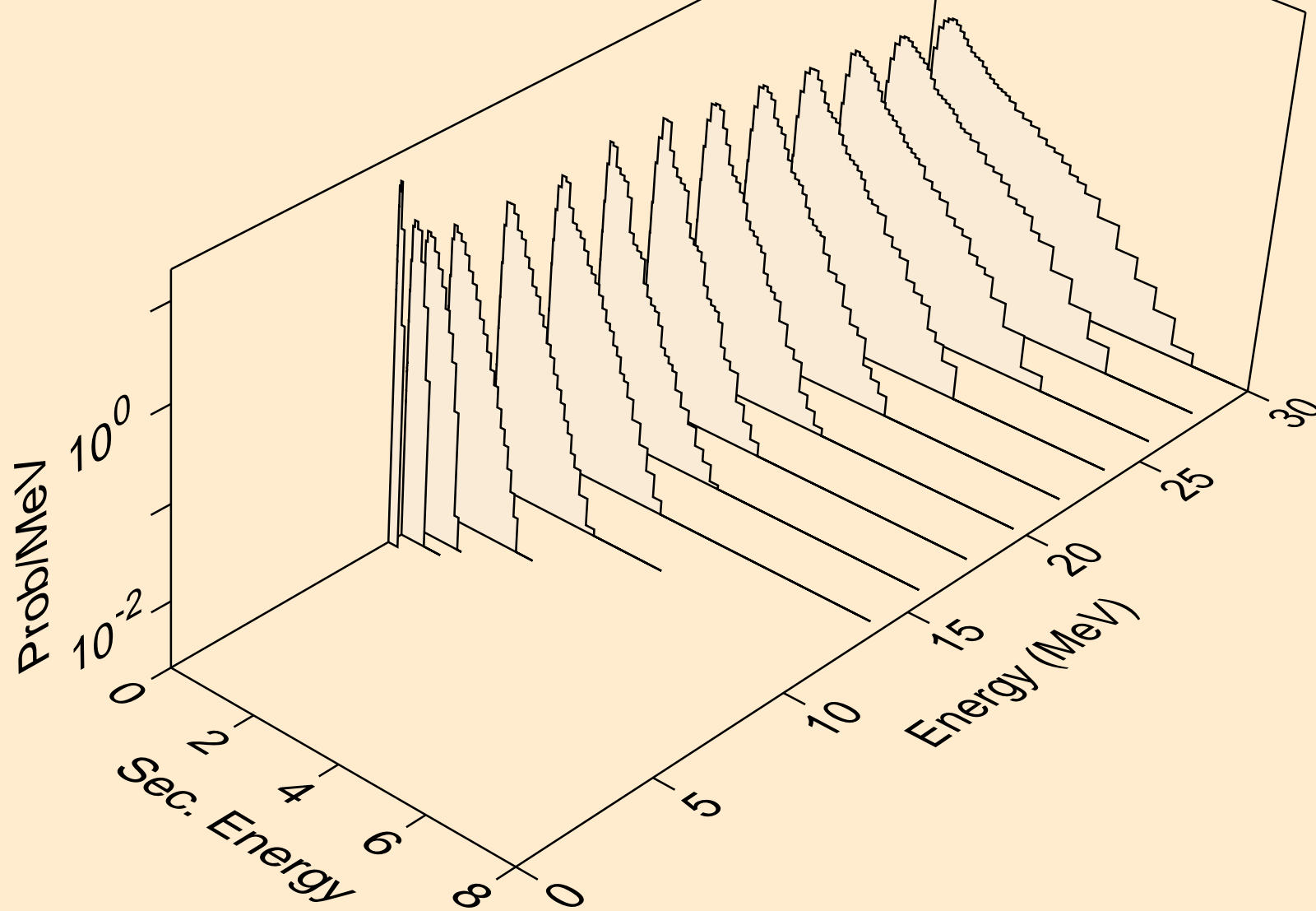




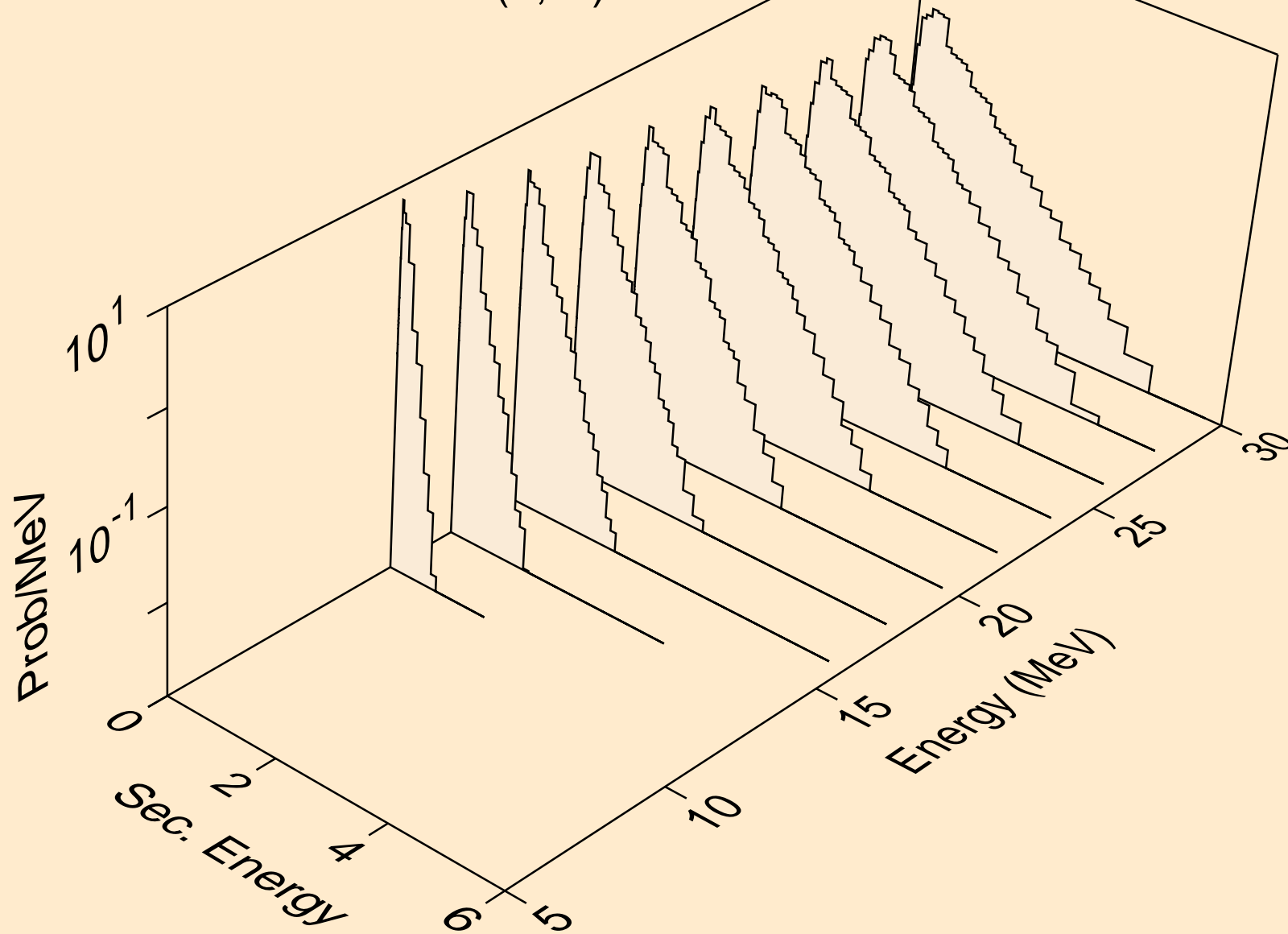
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a



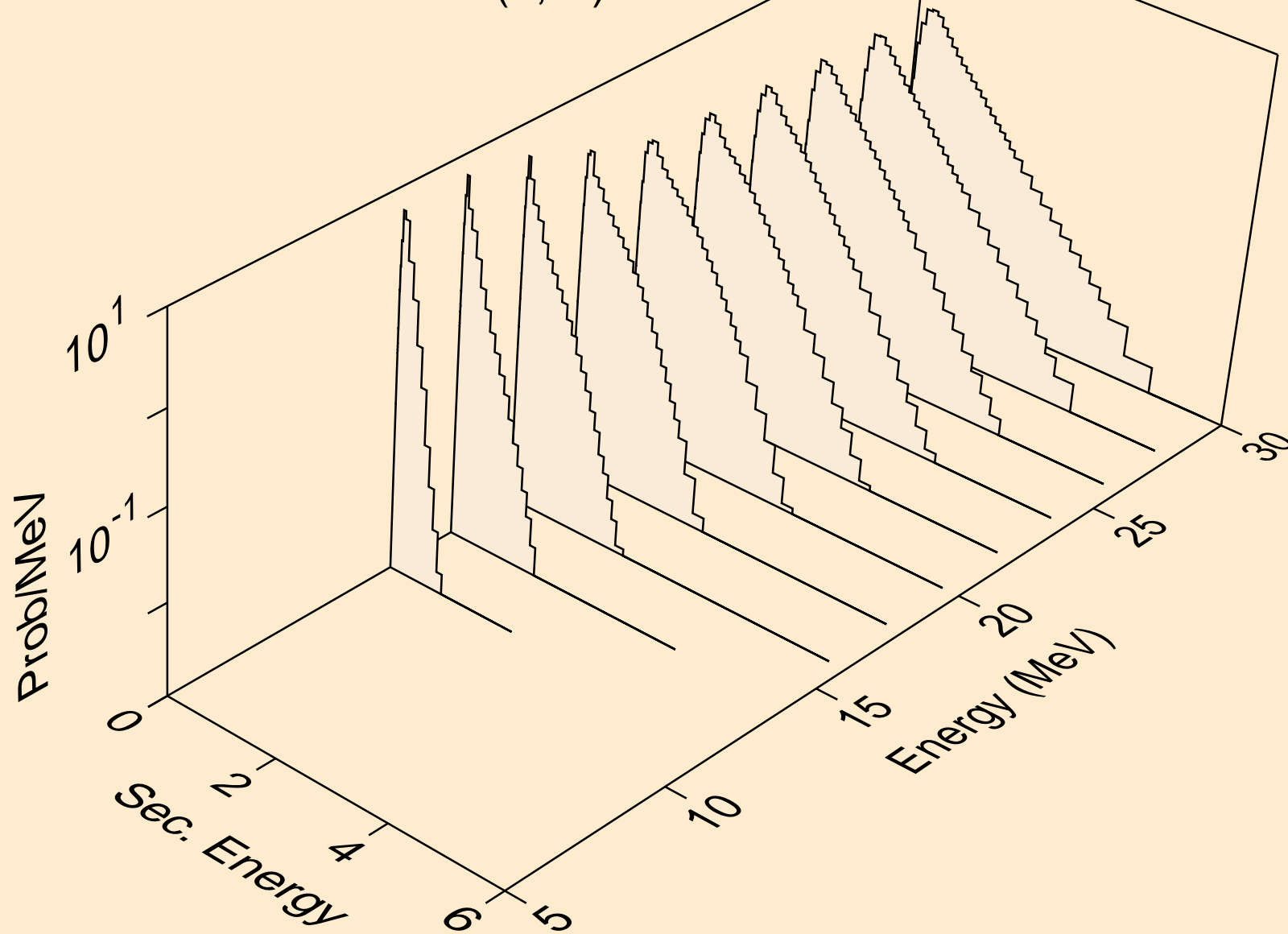
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)2a



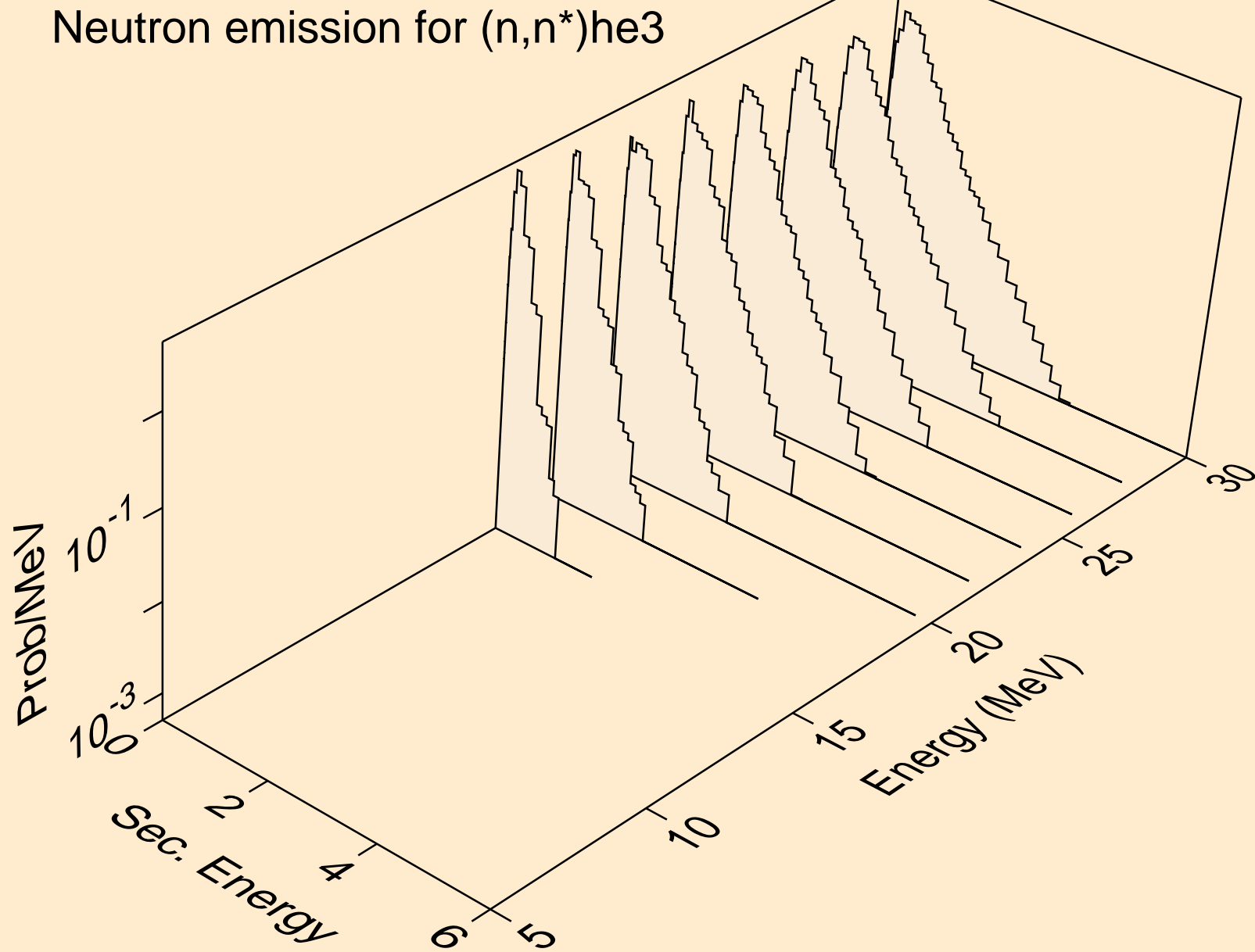
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



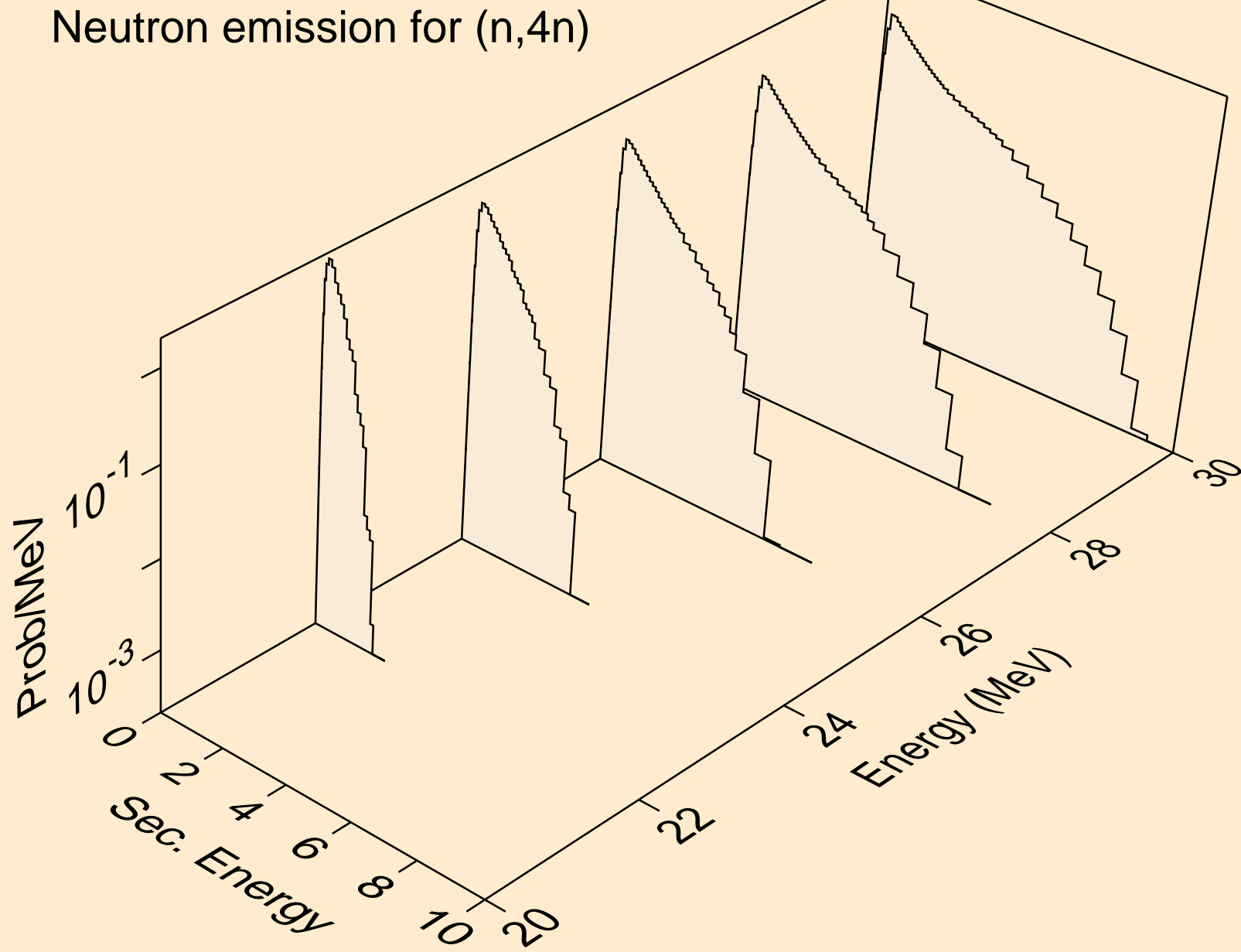
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



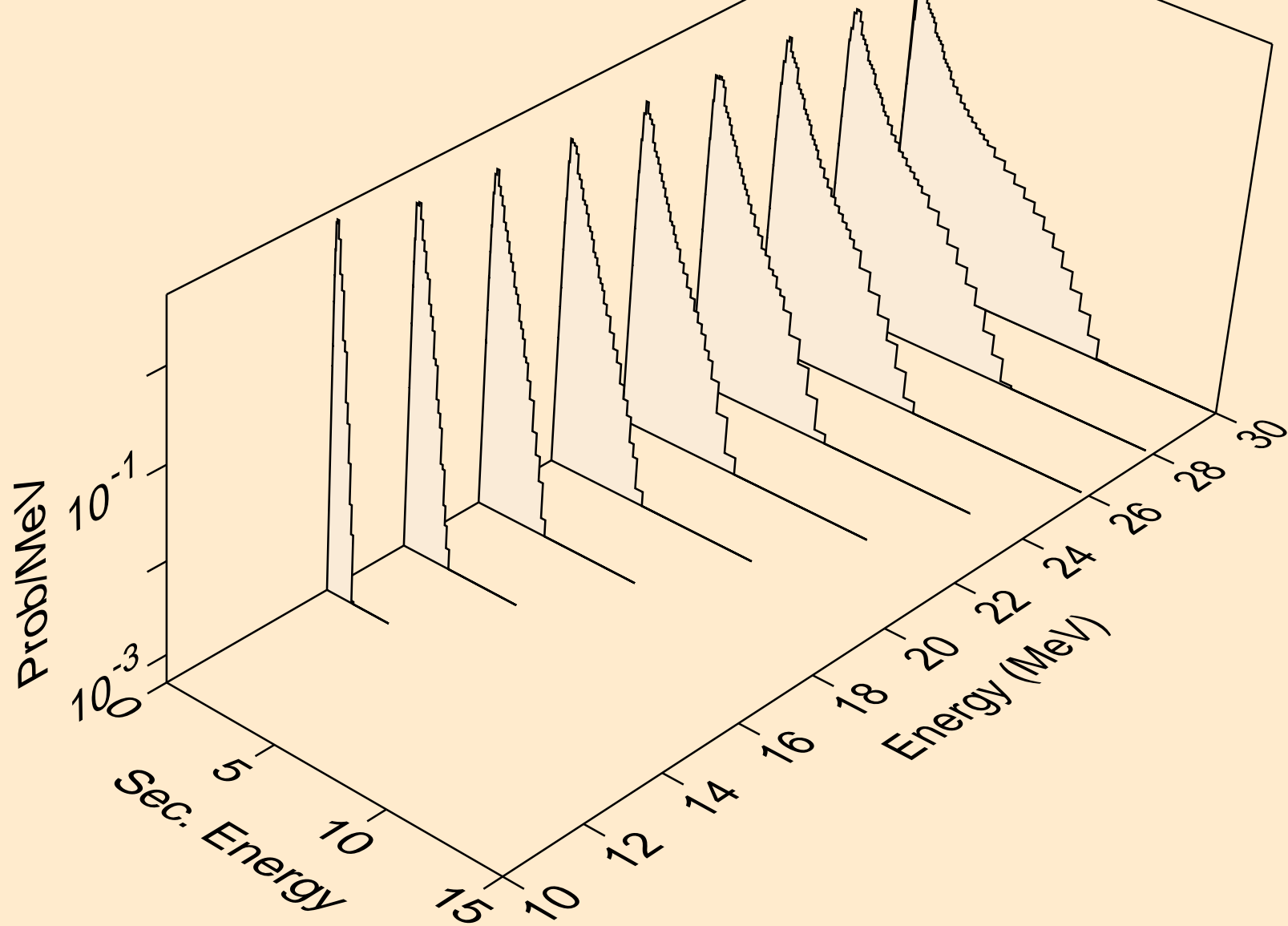
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



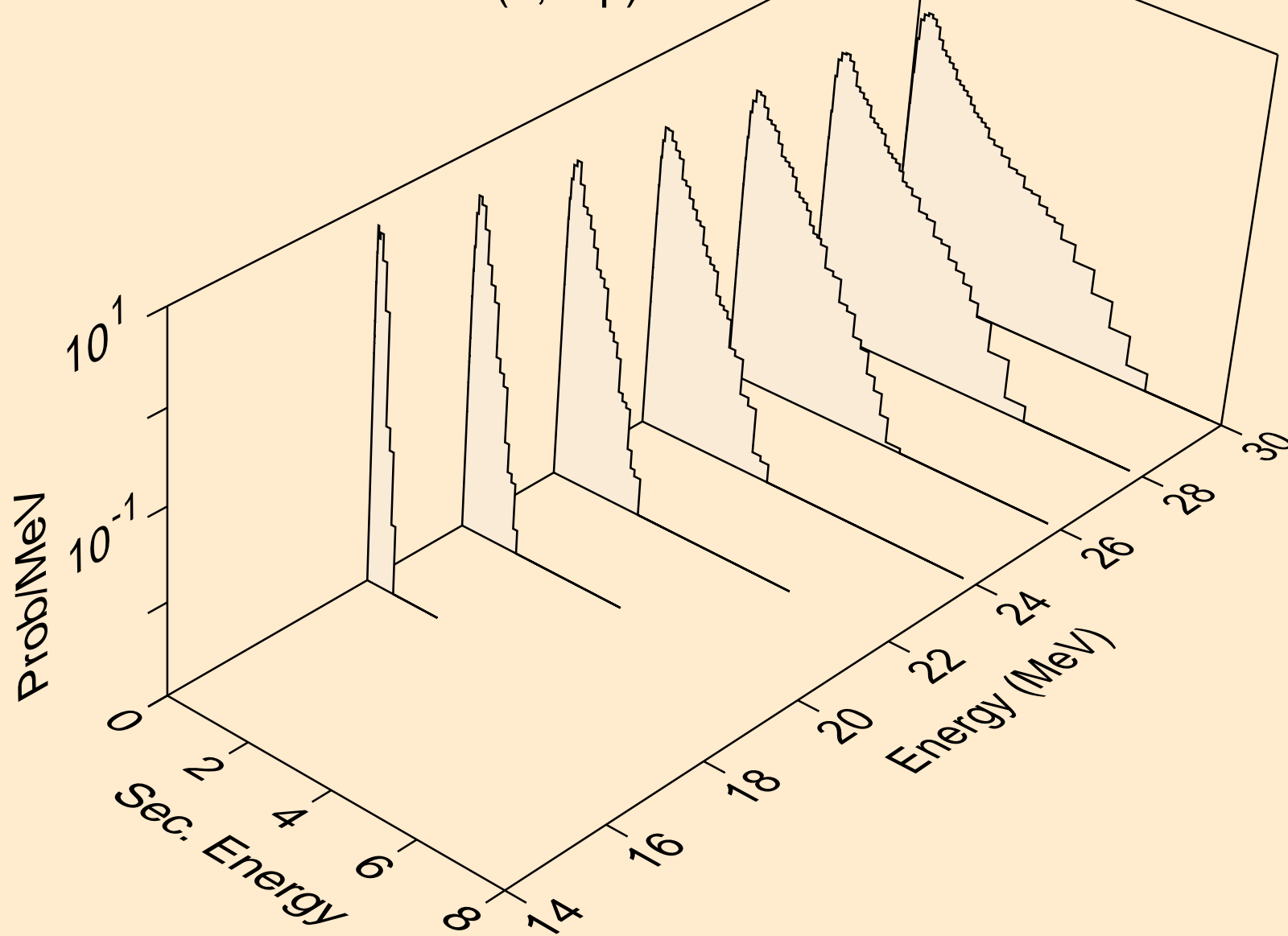
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,4n)



AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)

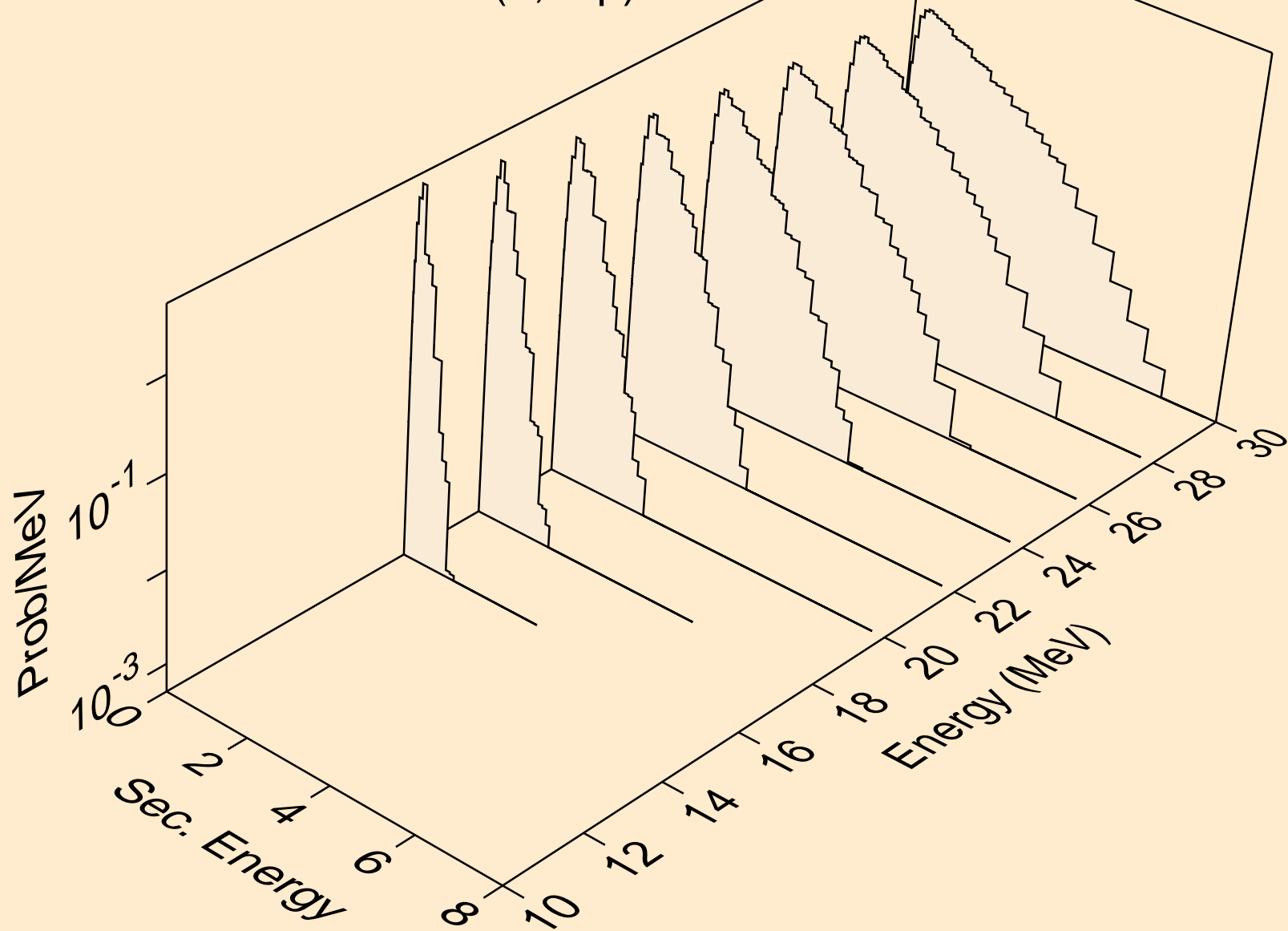


AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)

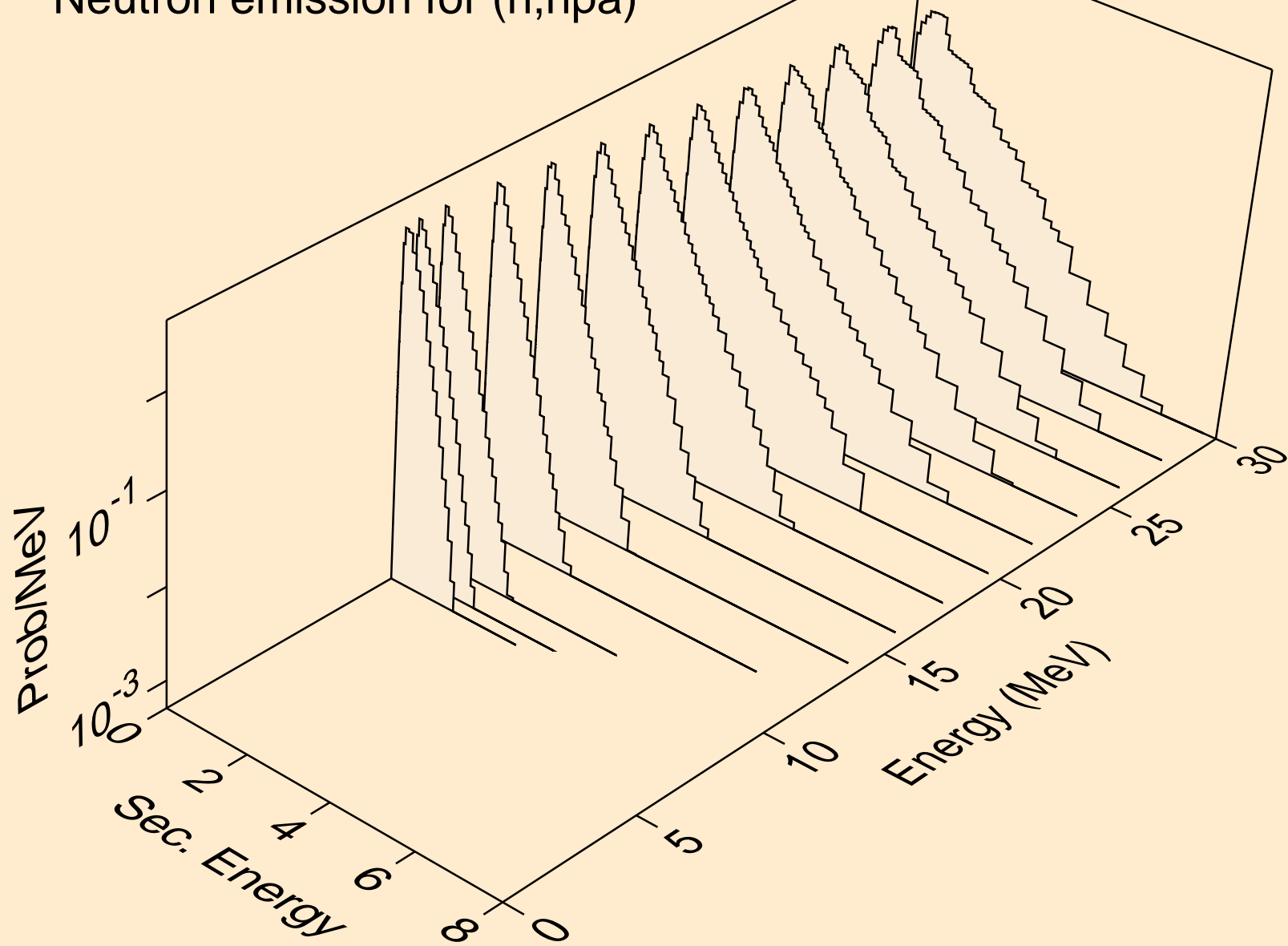




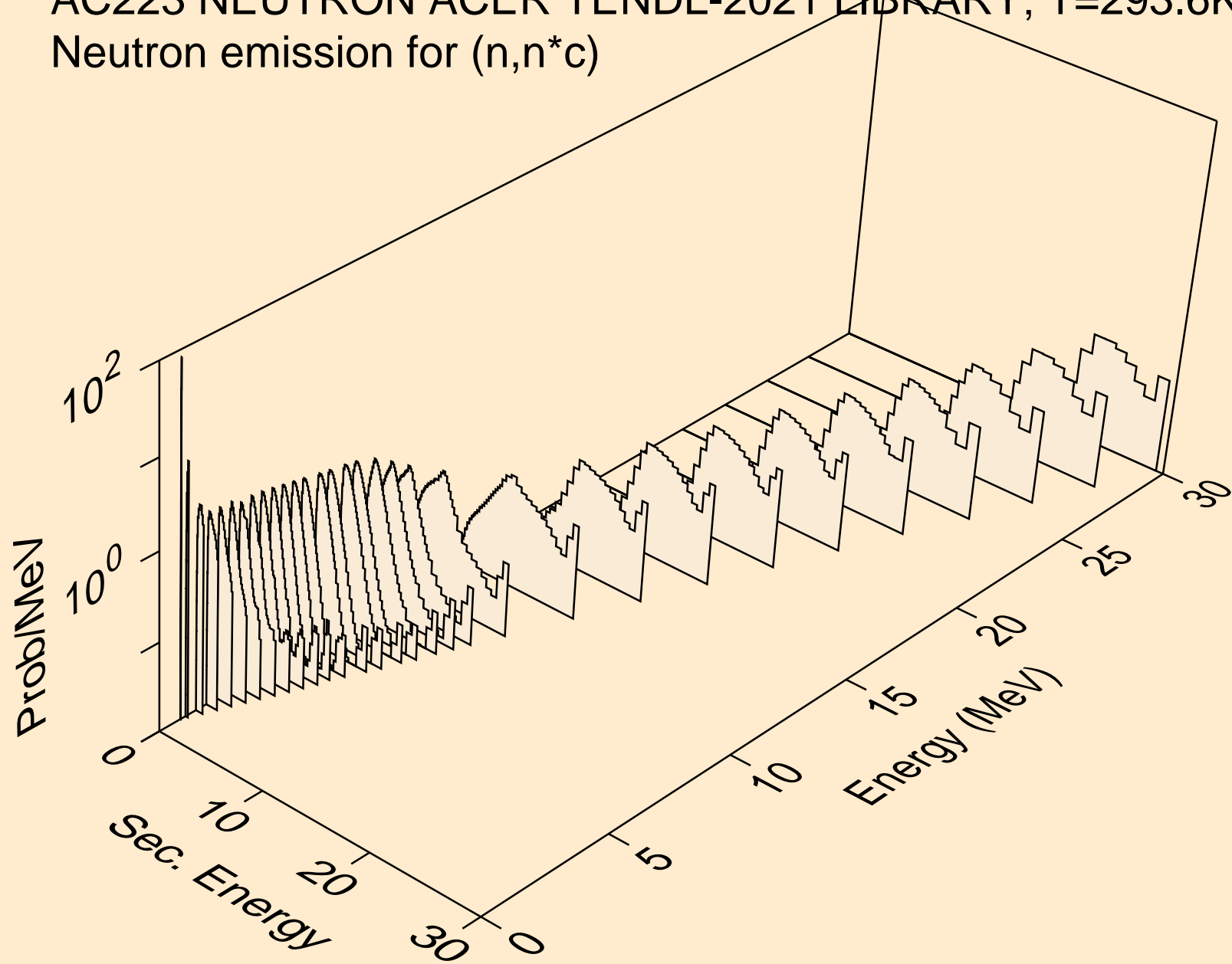
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)

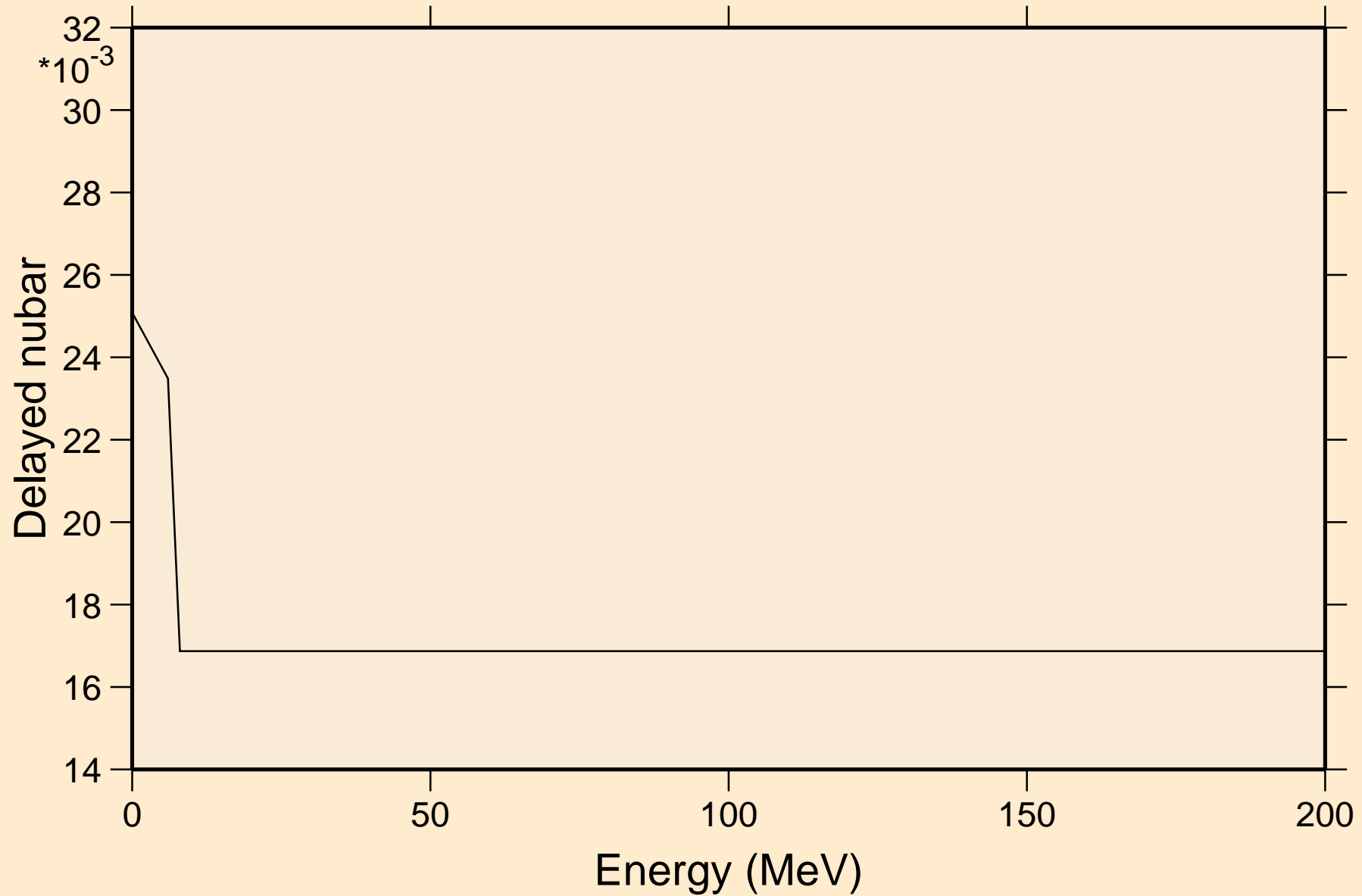


AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



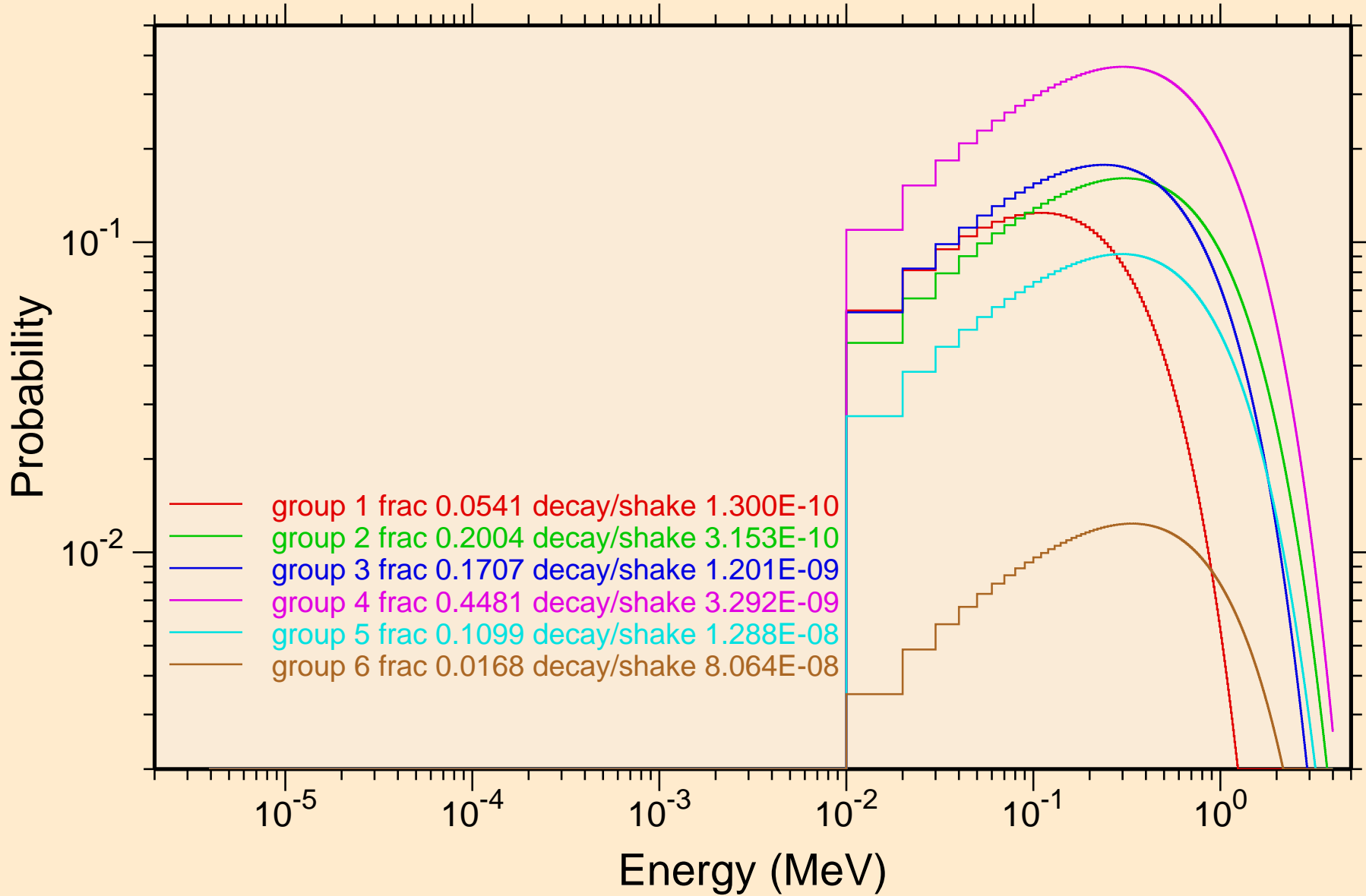
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

Delayed nubar

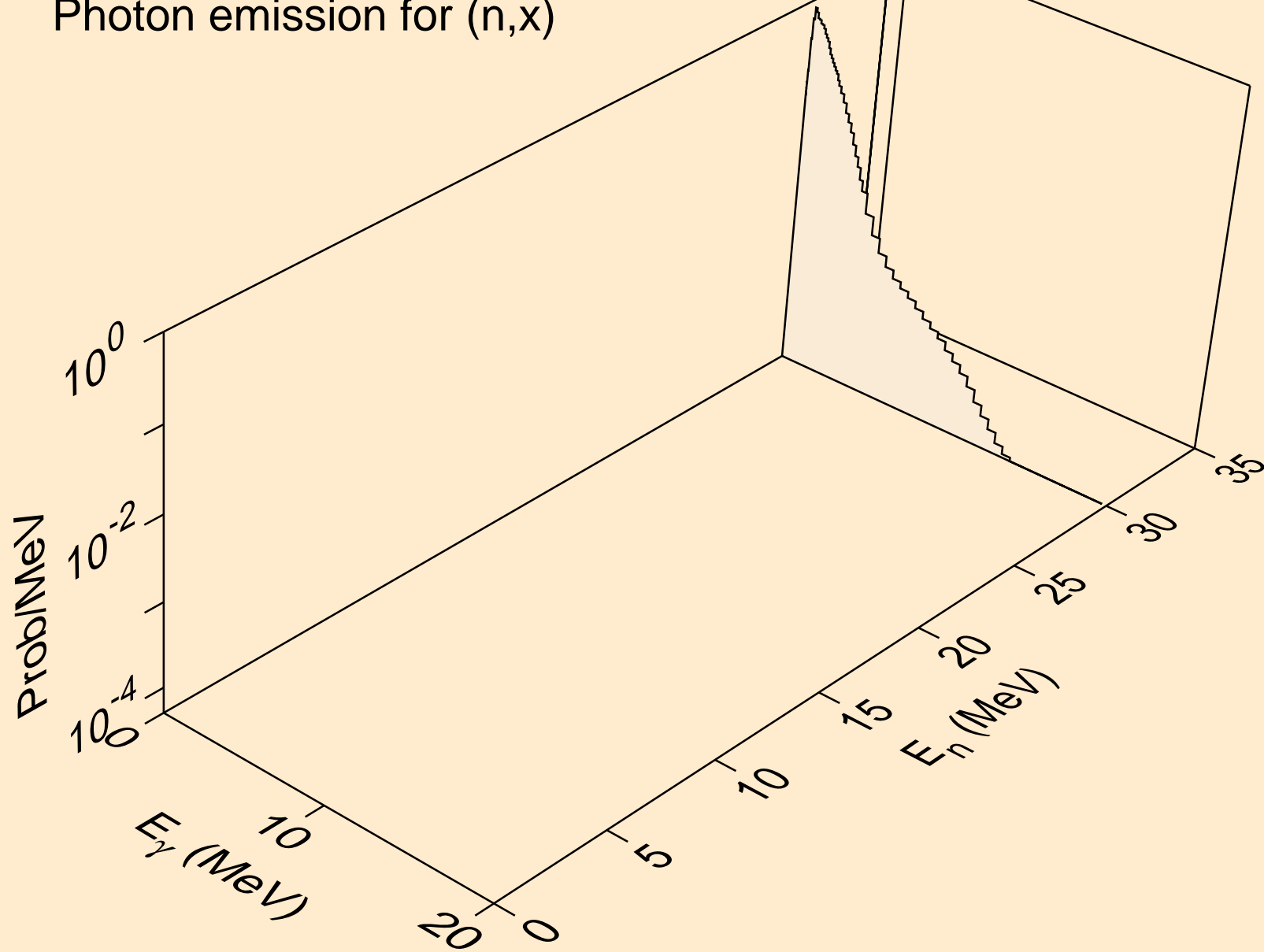


# AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

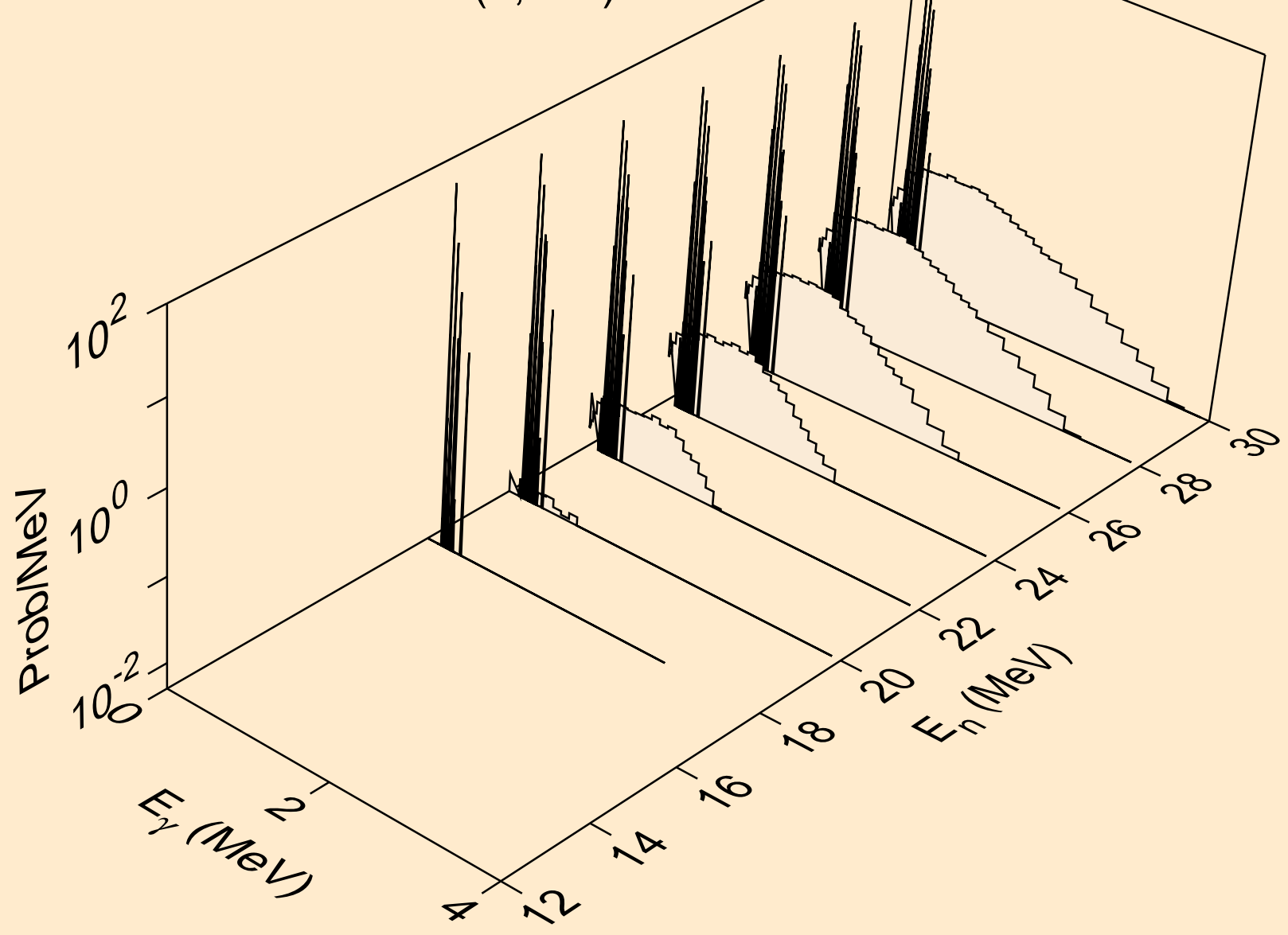
## Delayed neutron spectra



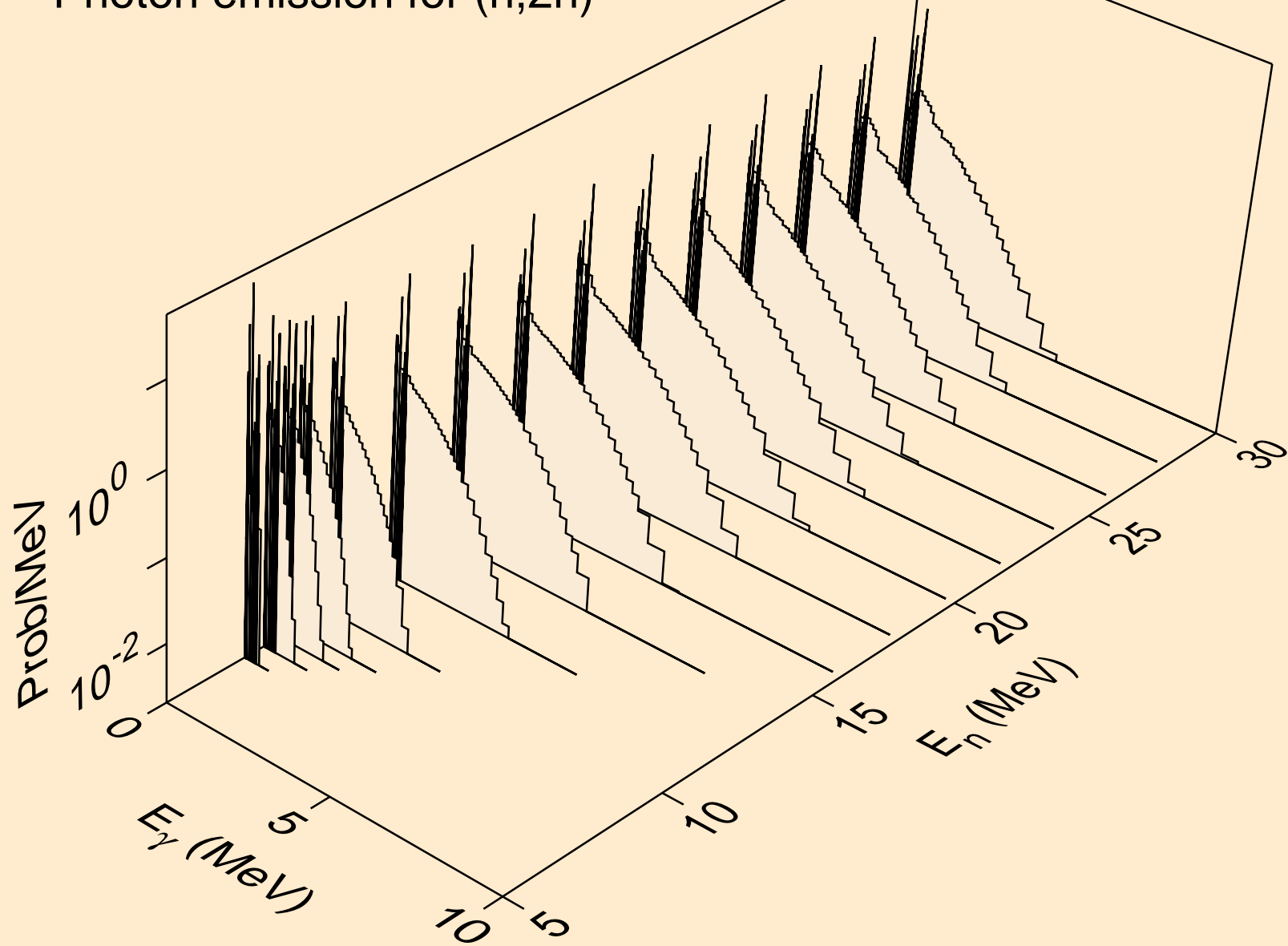
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)



AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2nd)

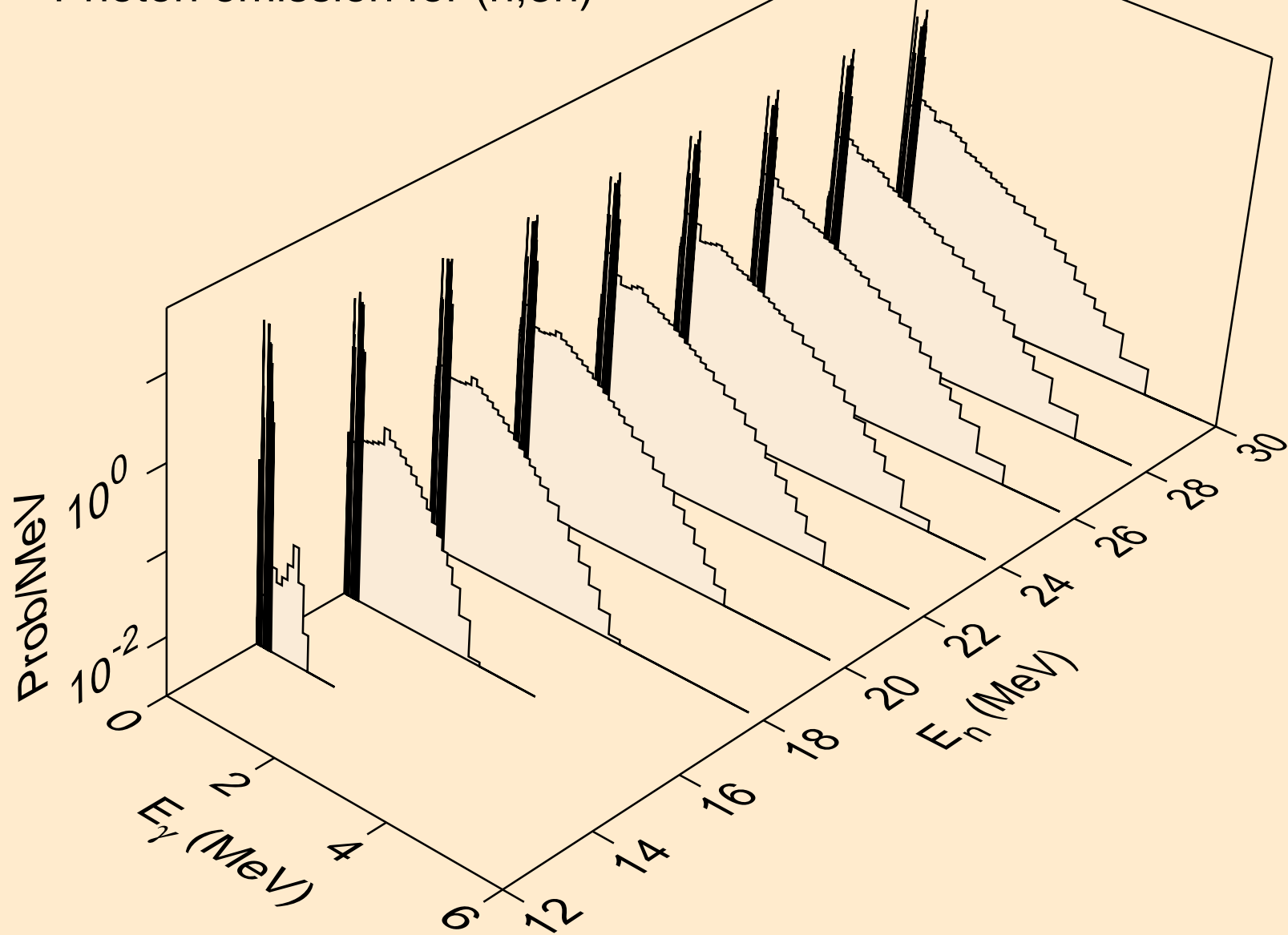


AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)

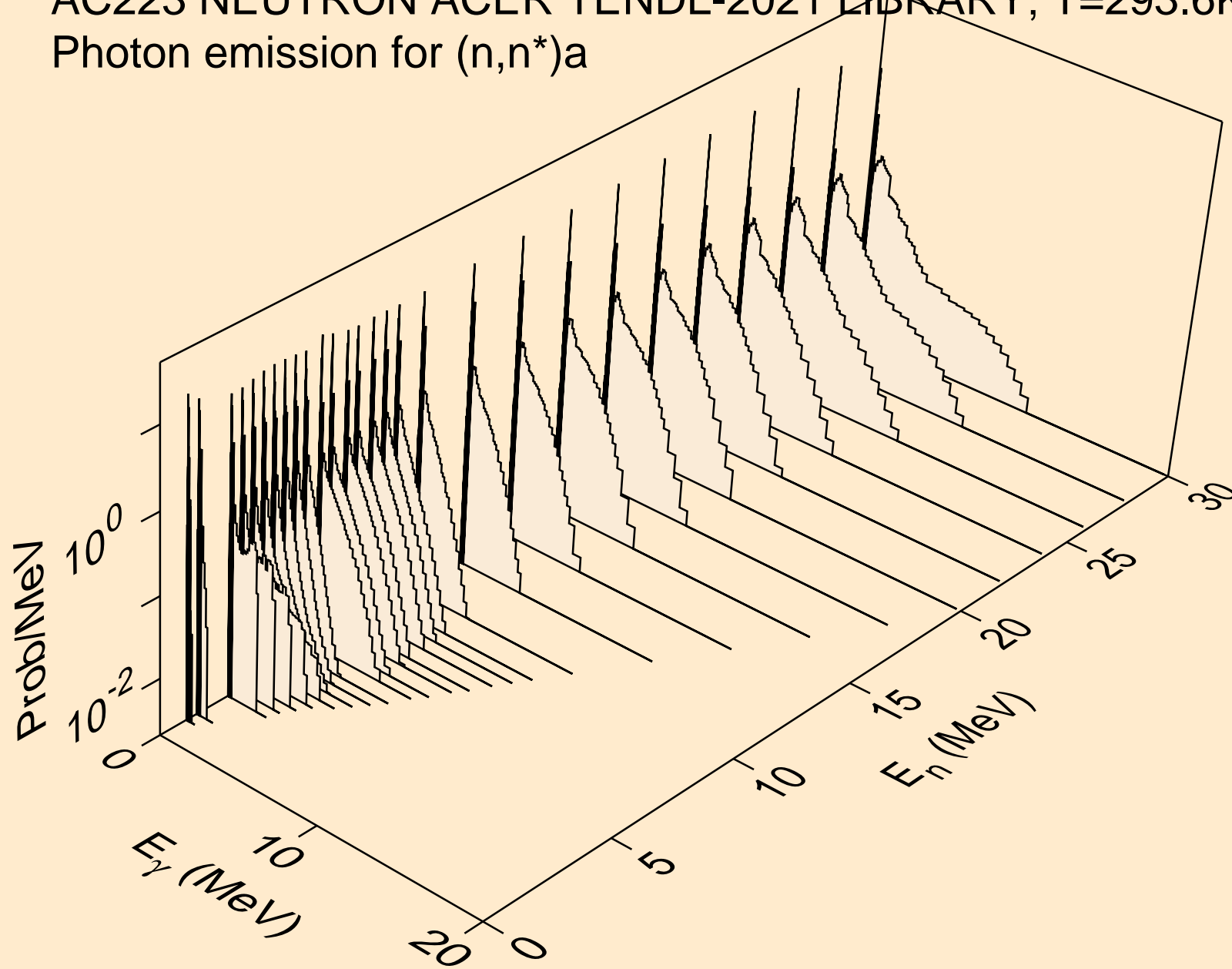




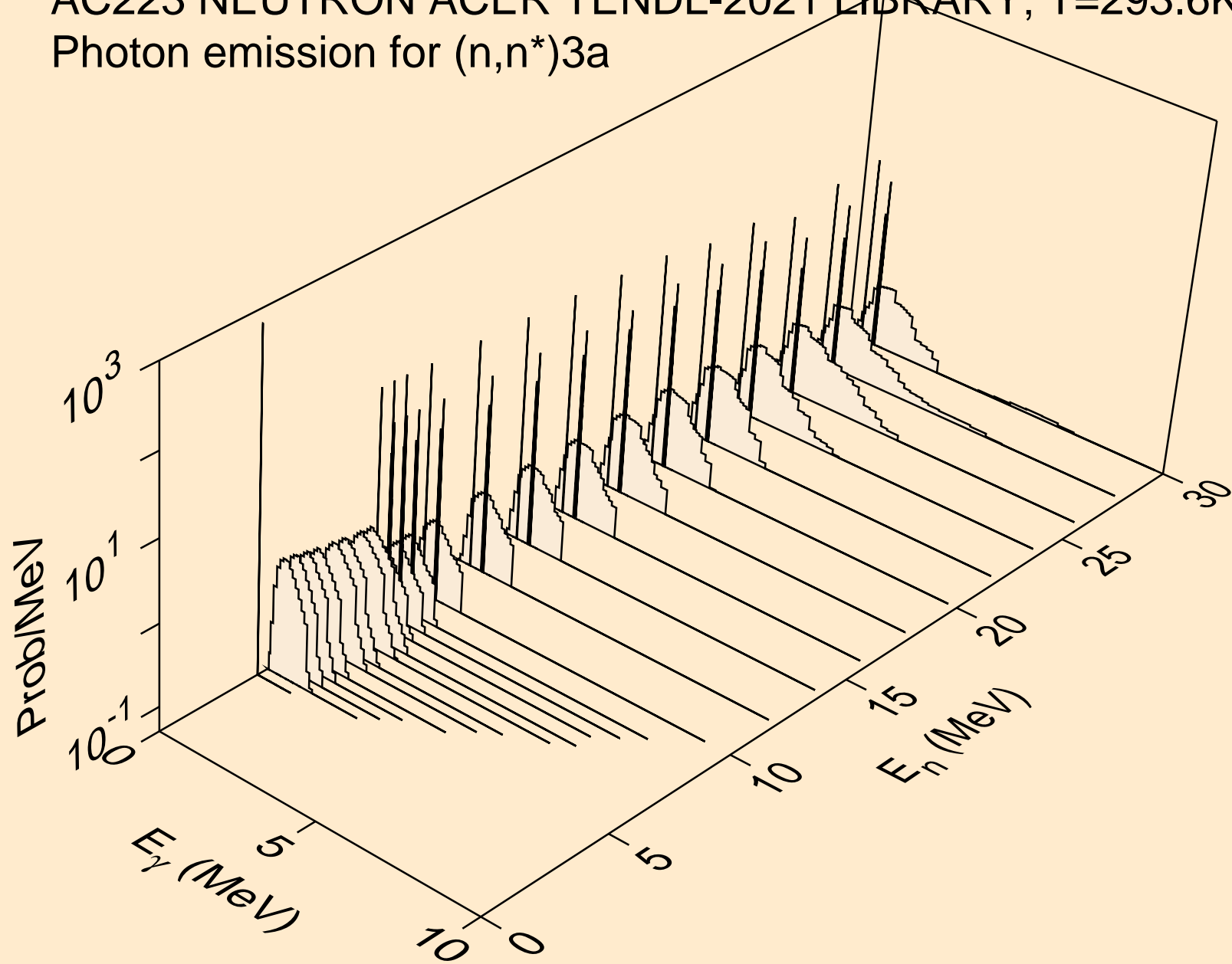
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Photon emission for (n,3n)



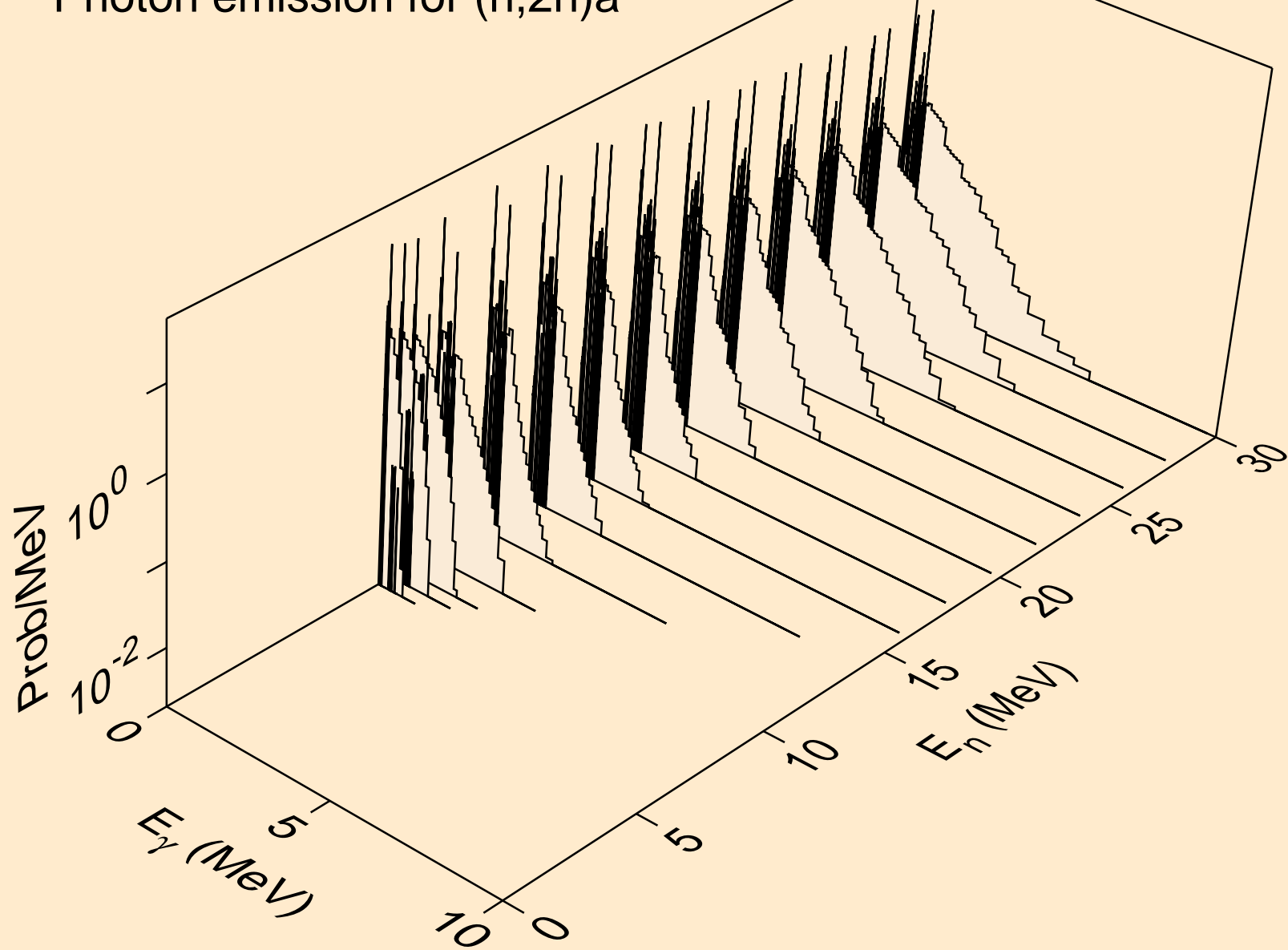
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



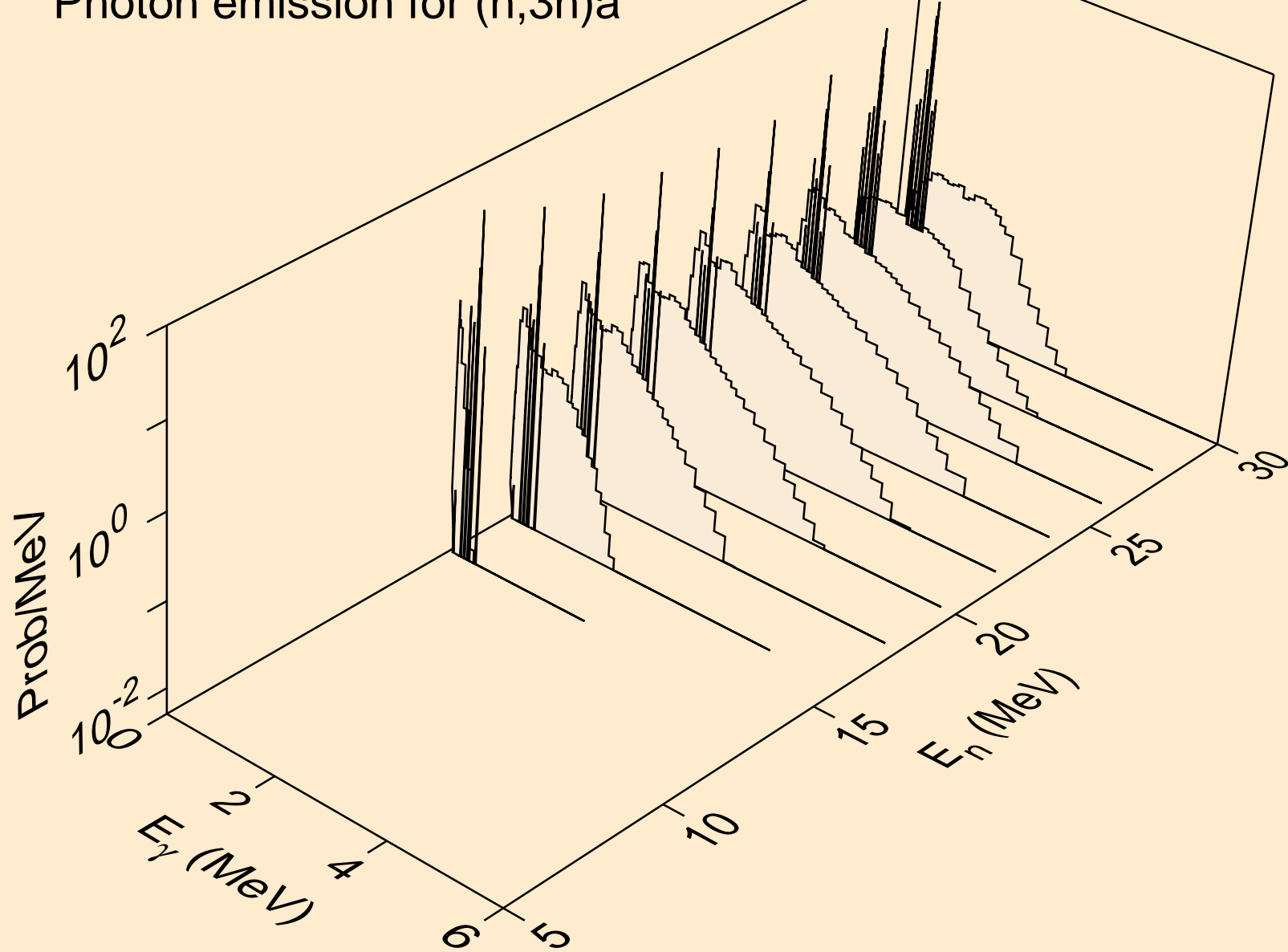
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Photon emission for (n,n\*)3a



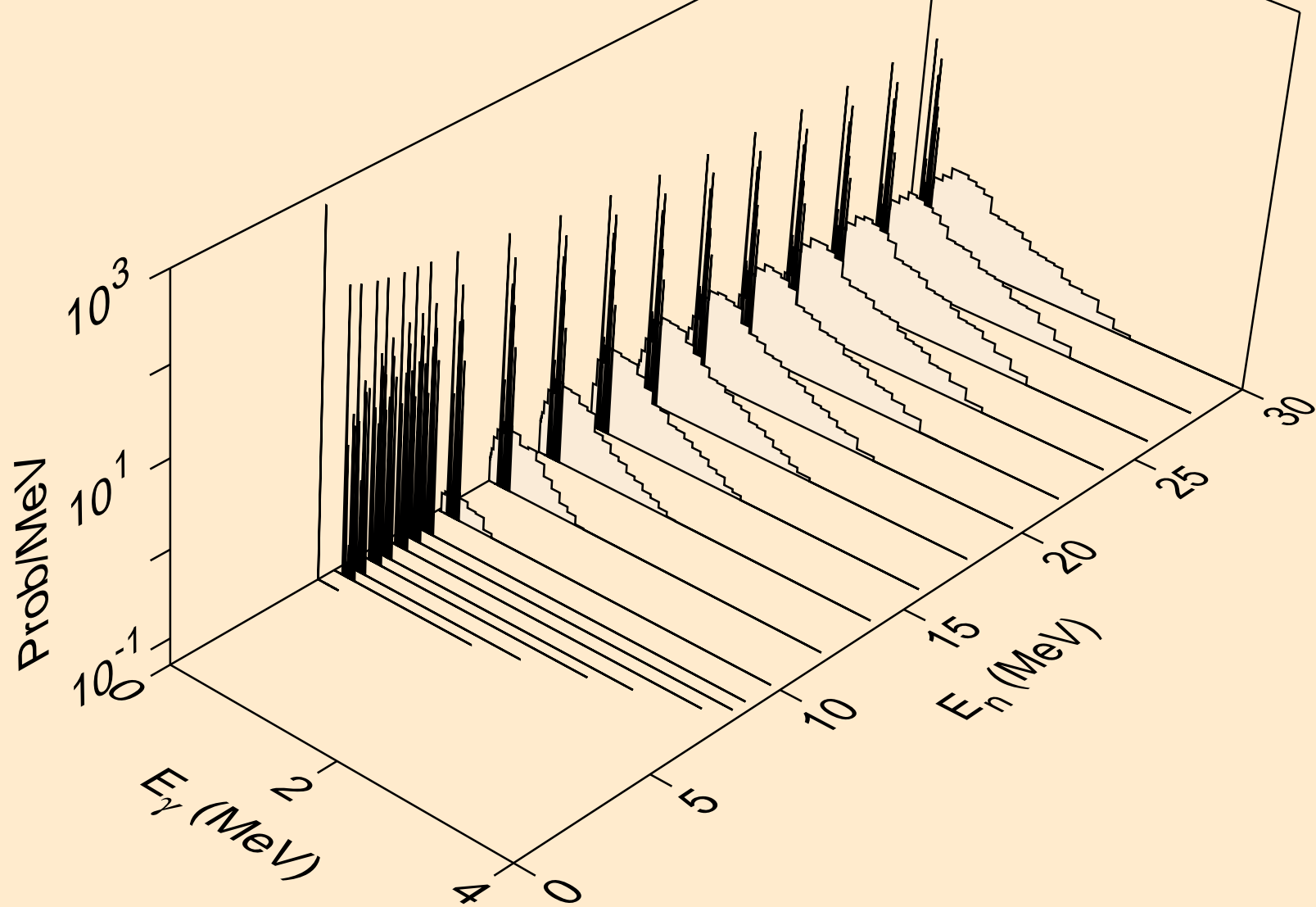
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Photon emission for (n,2n)a



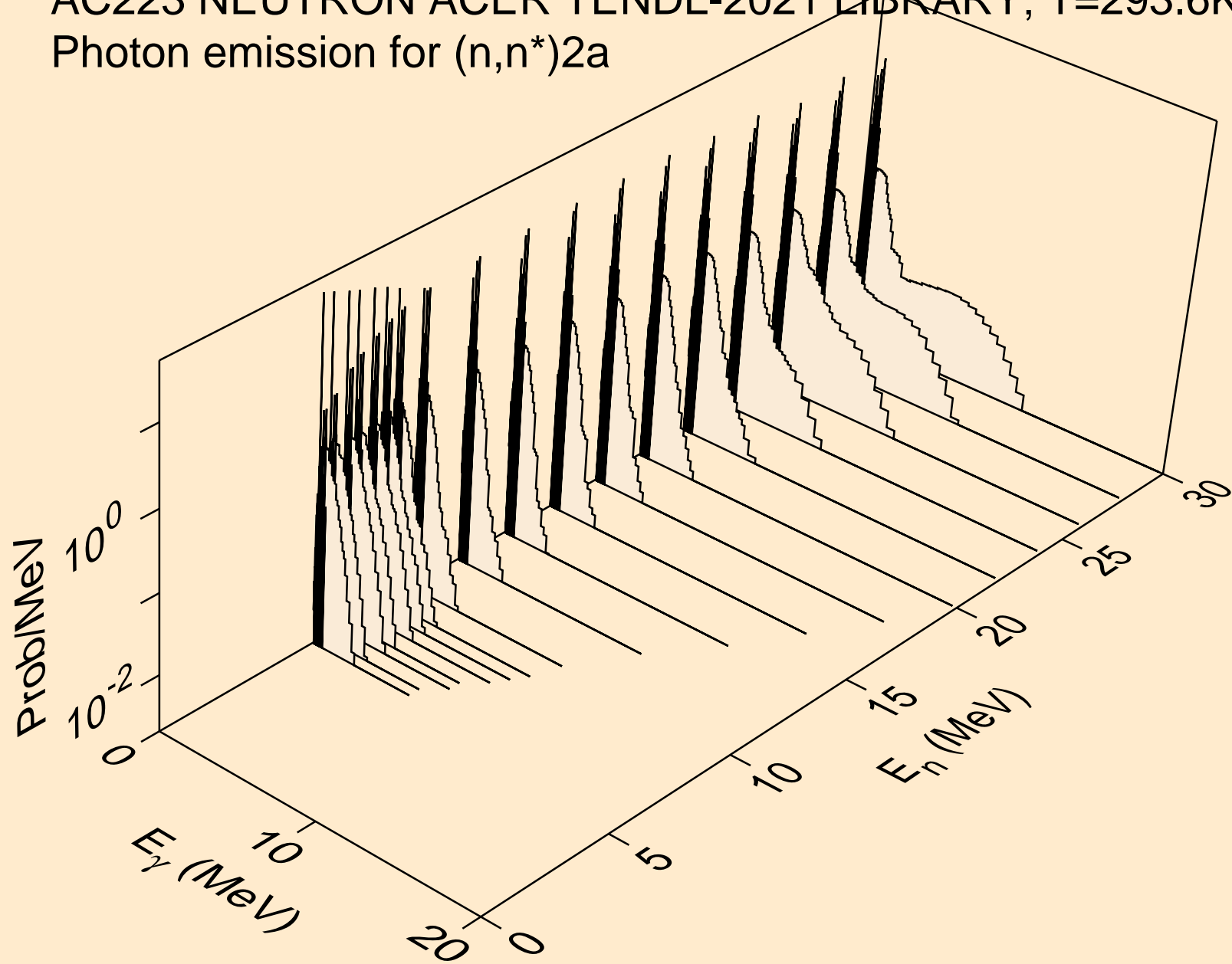
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Photon emission for (n,3n)a



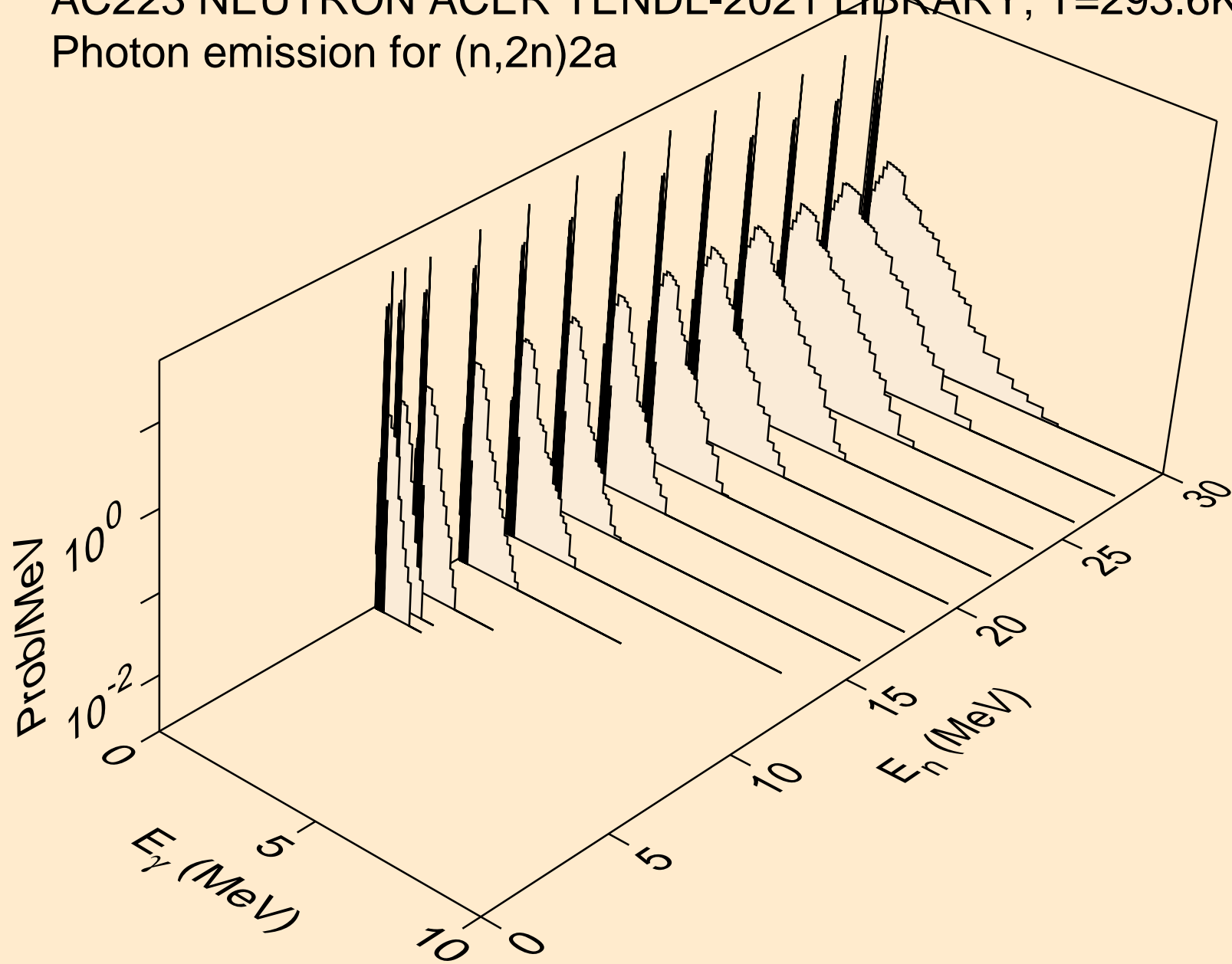
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a

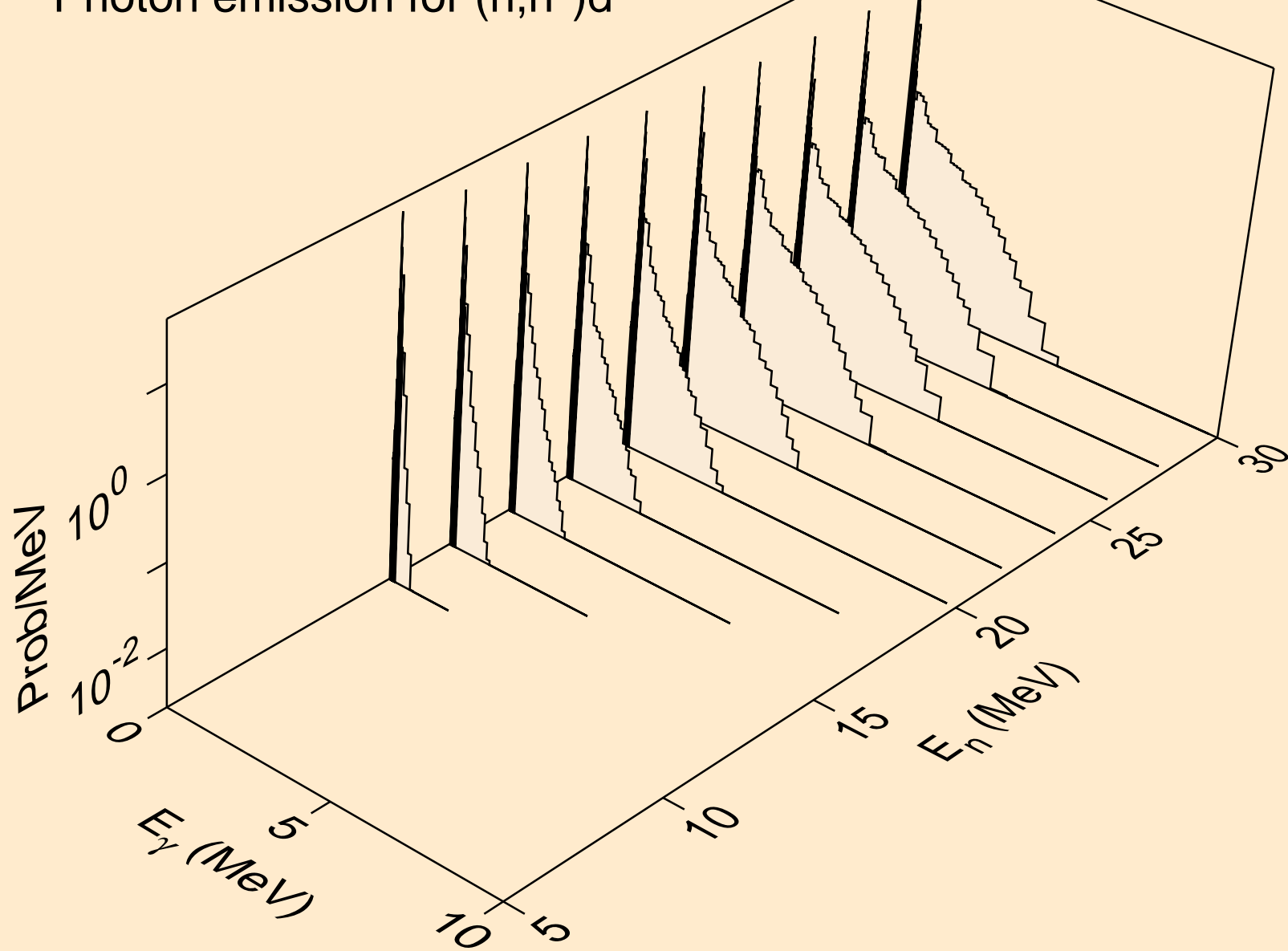


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Photon emission for (n,2n)2a

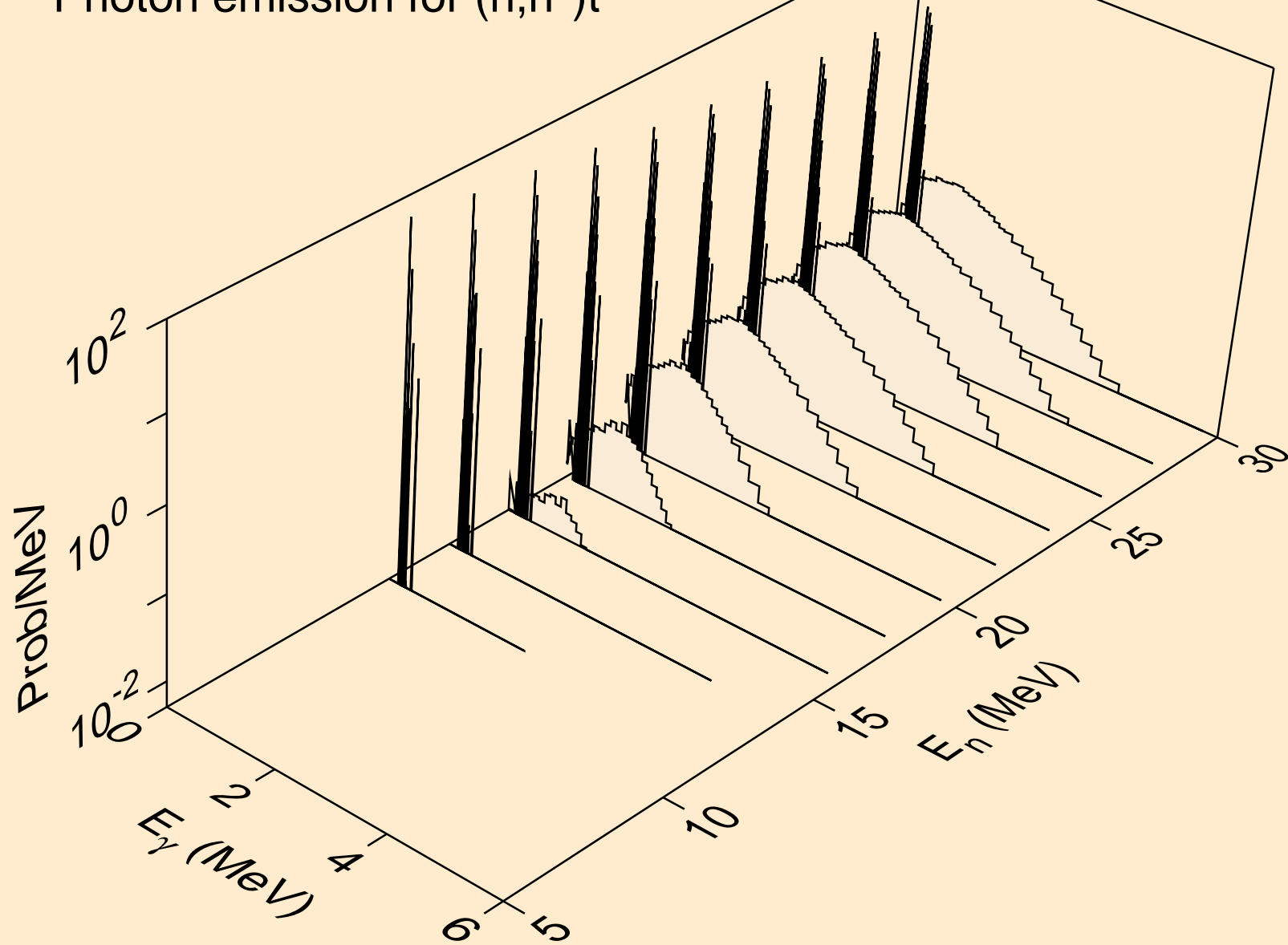




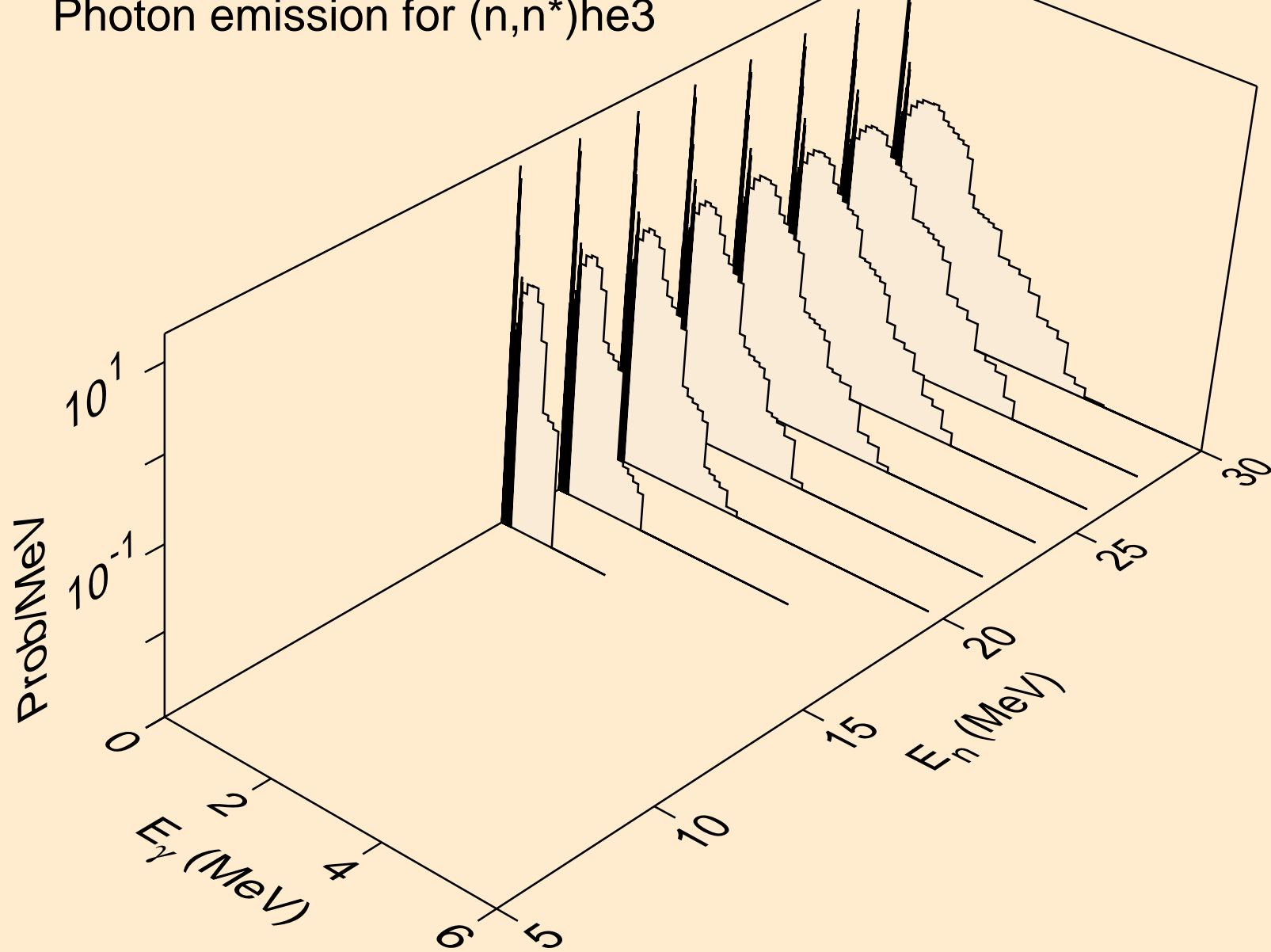
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d



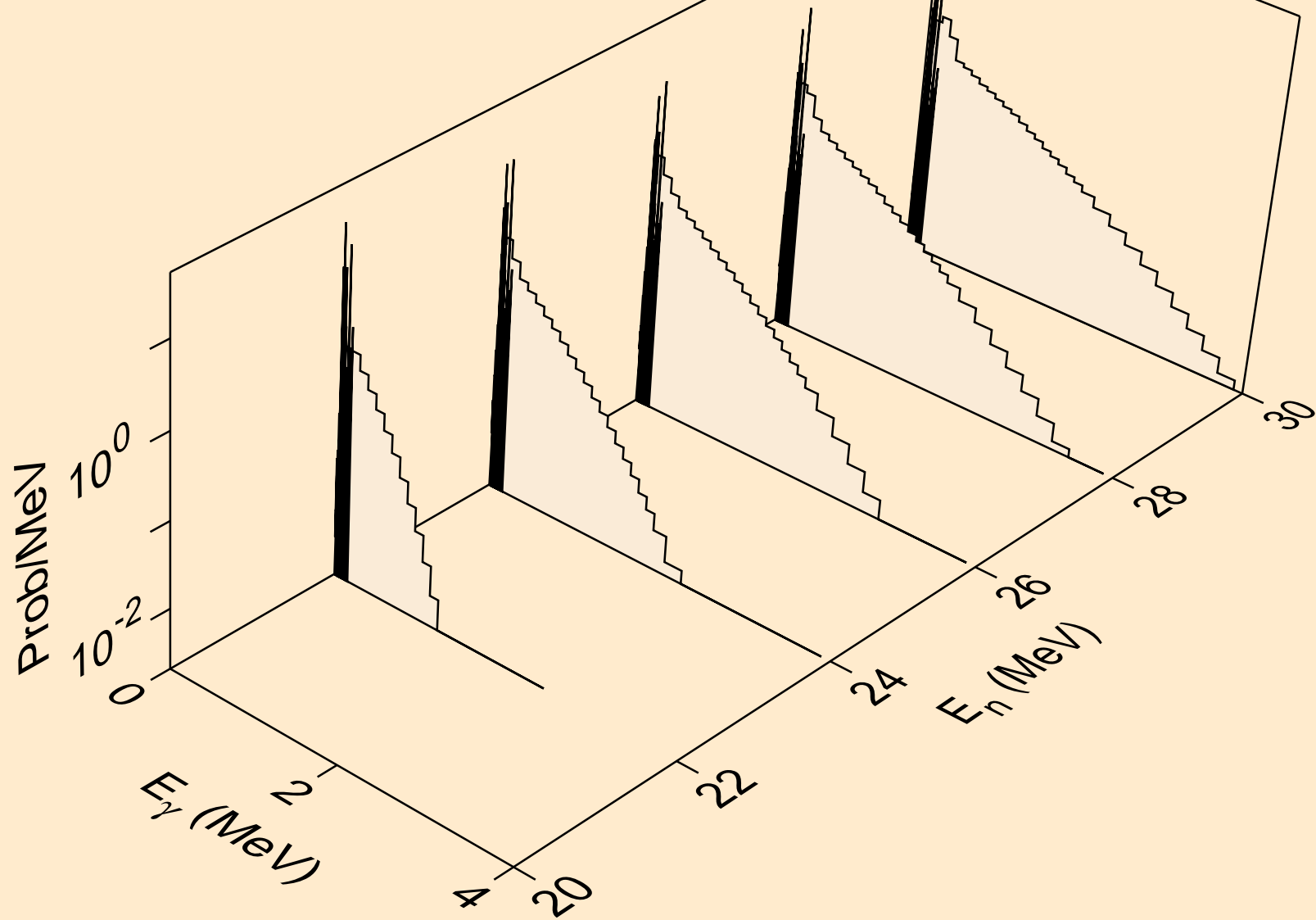
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



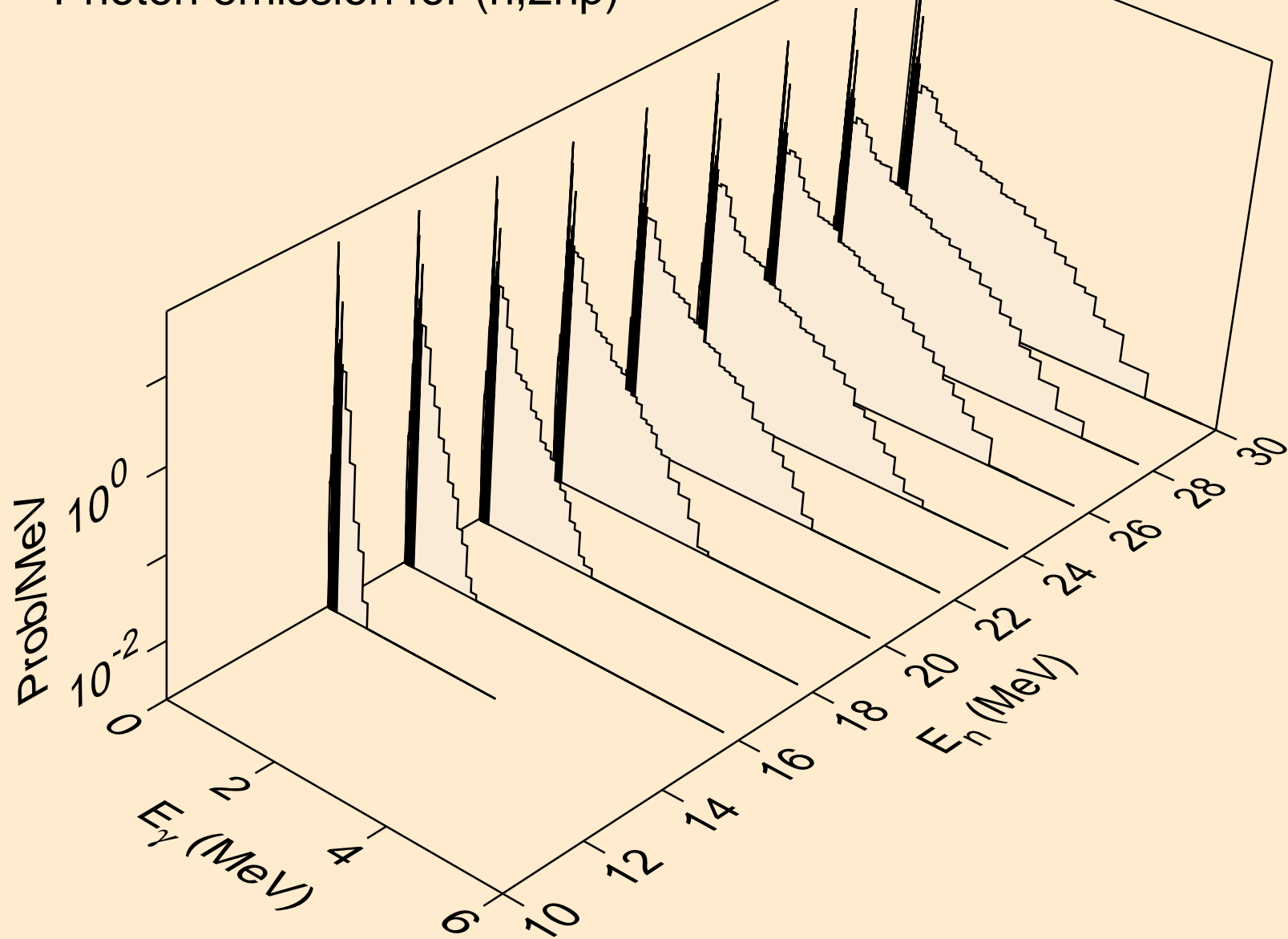
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



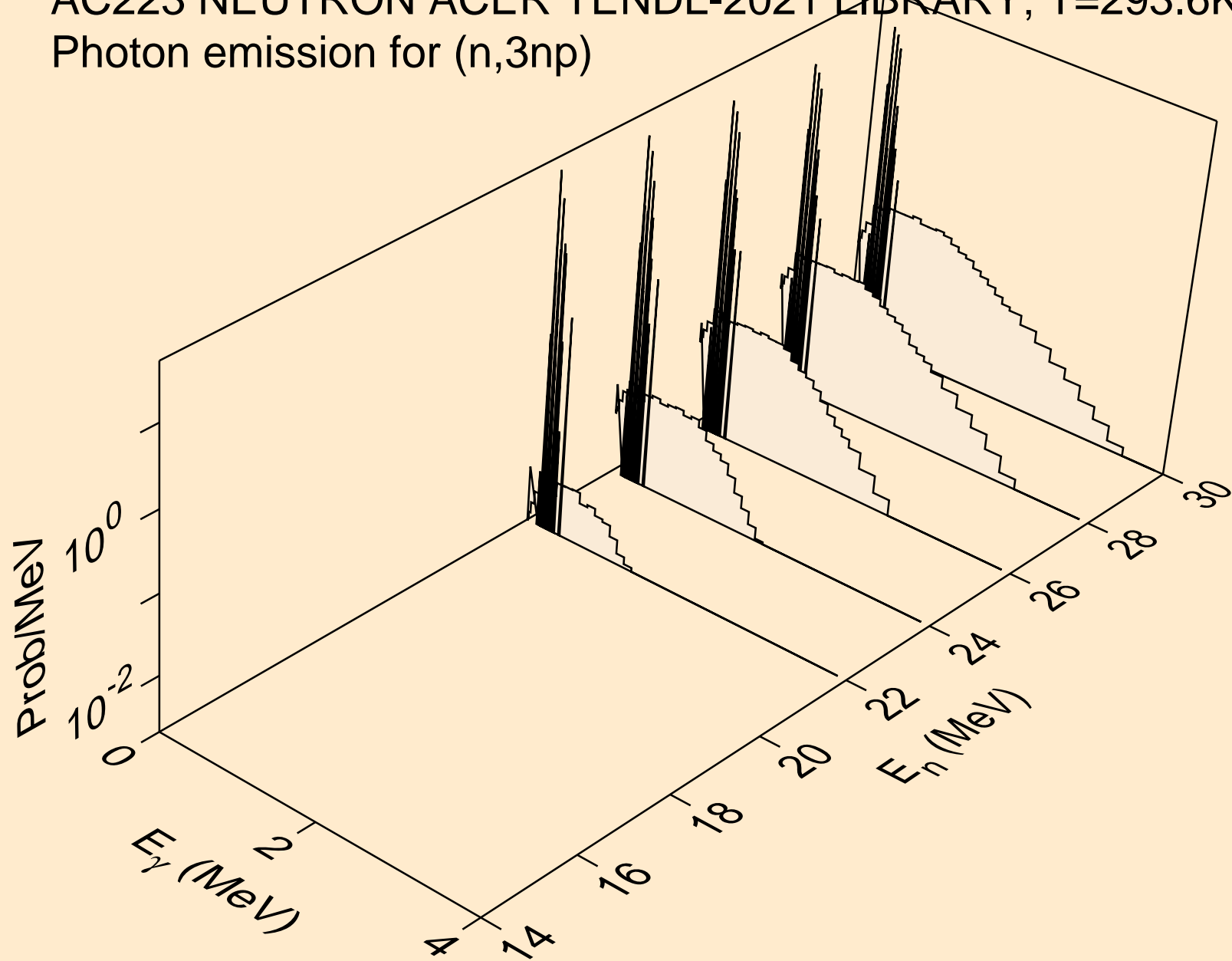
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,4n)



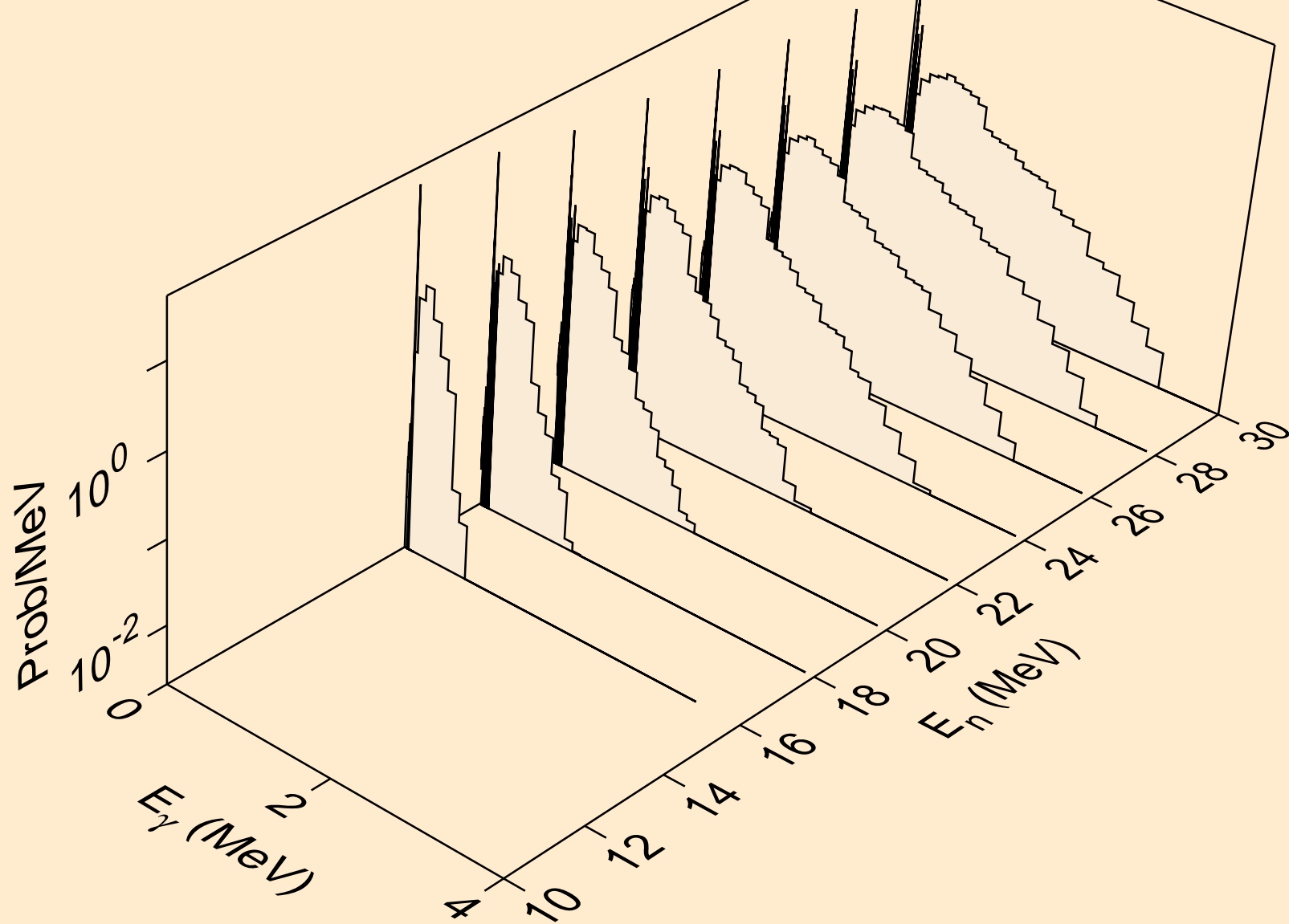
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Photon emission for (n,2np)



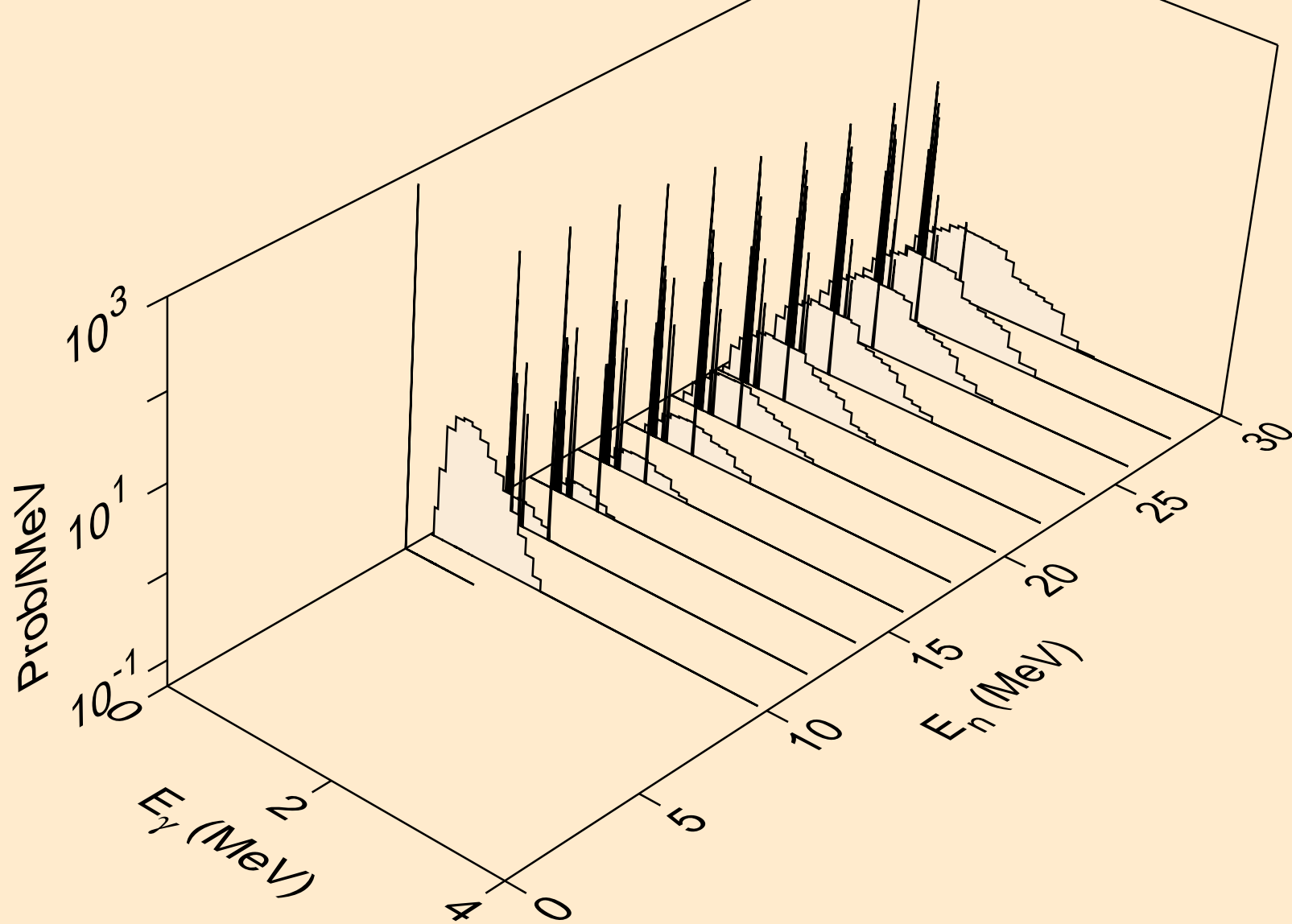
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3np)



AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)

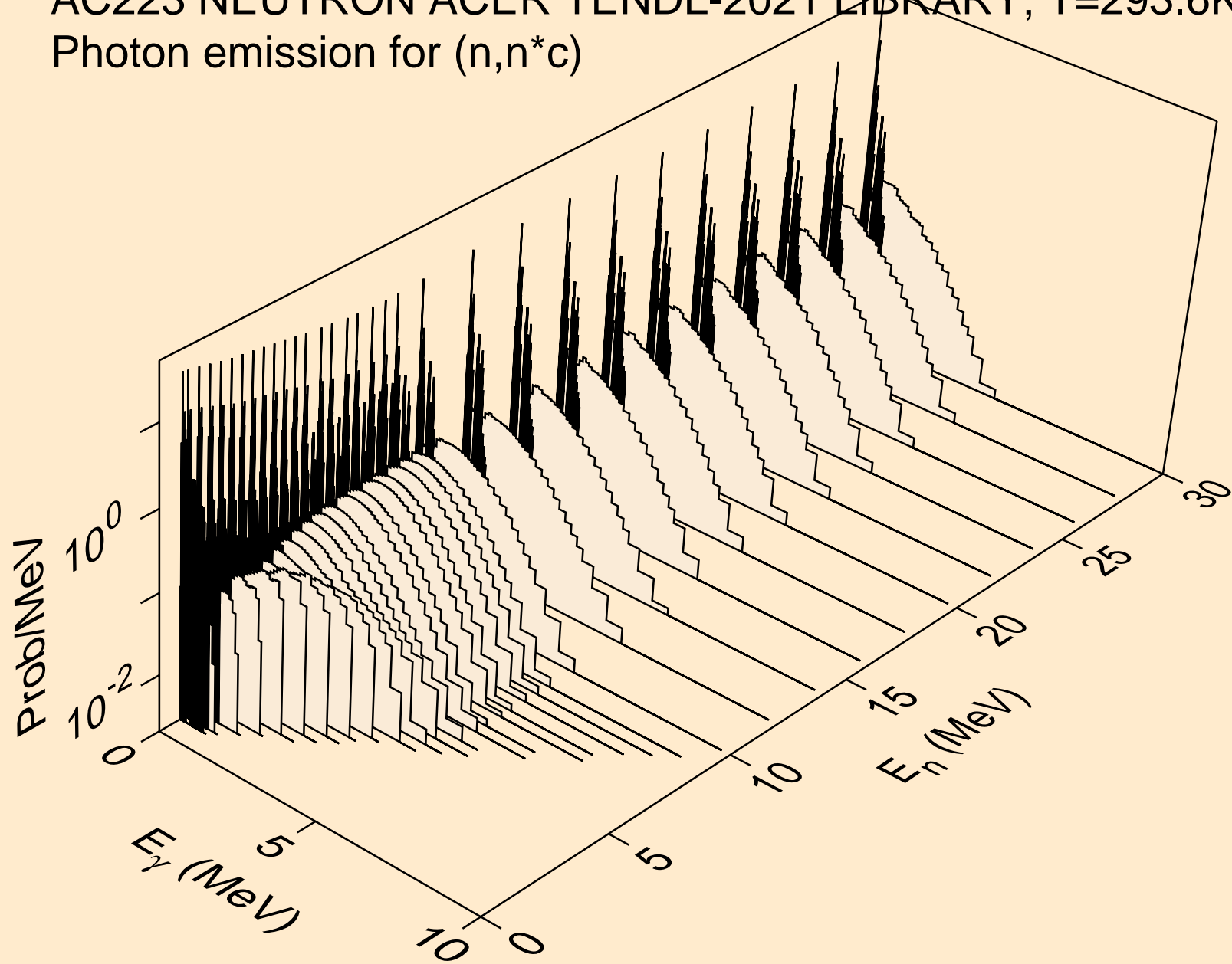


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Photon emission for (n,npa)

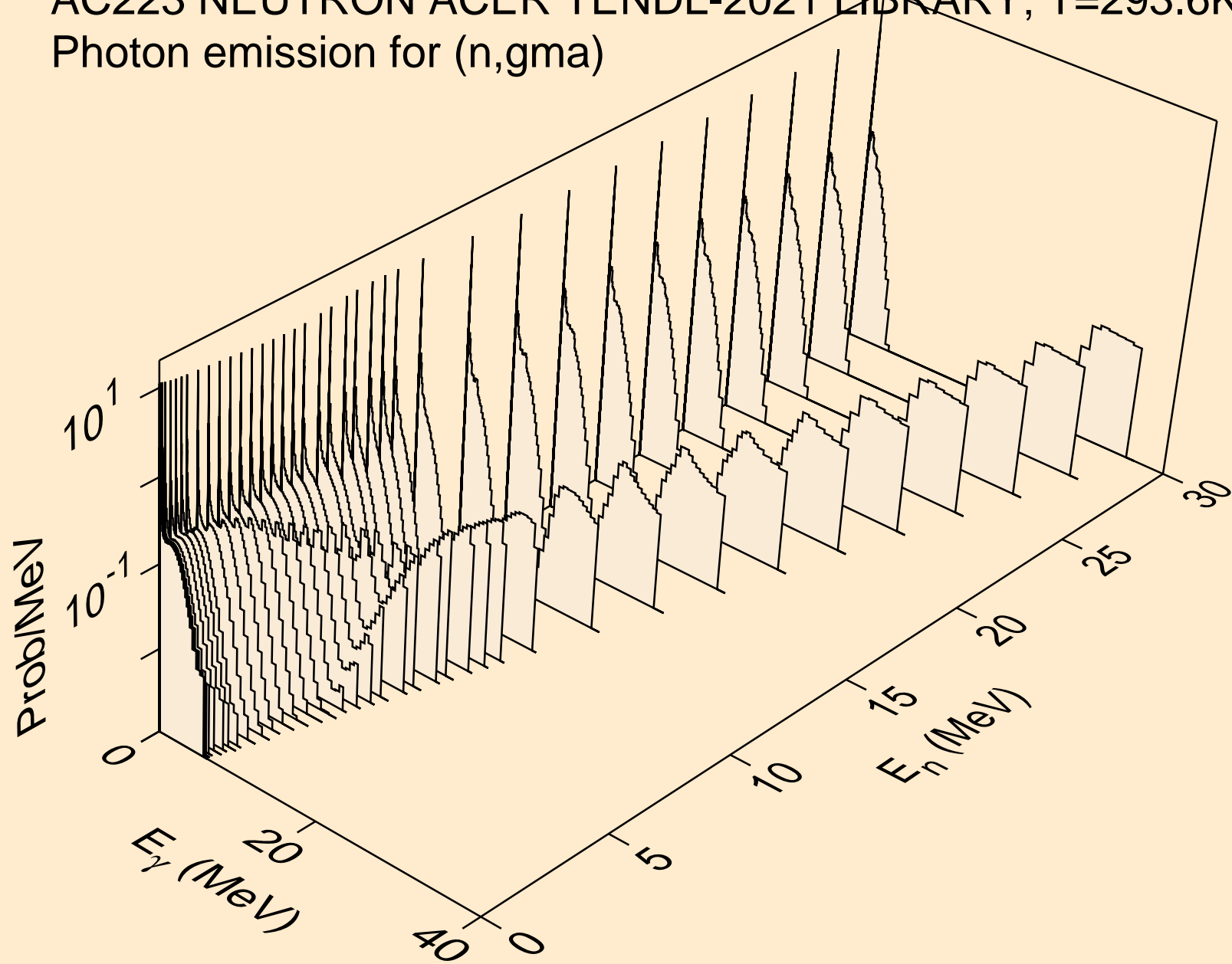




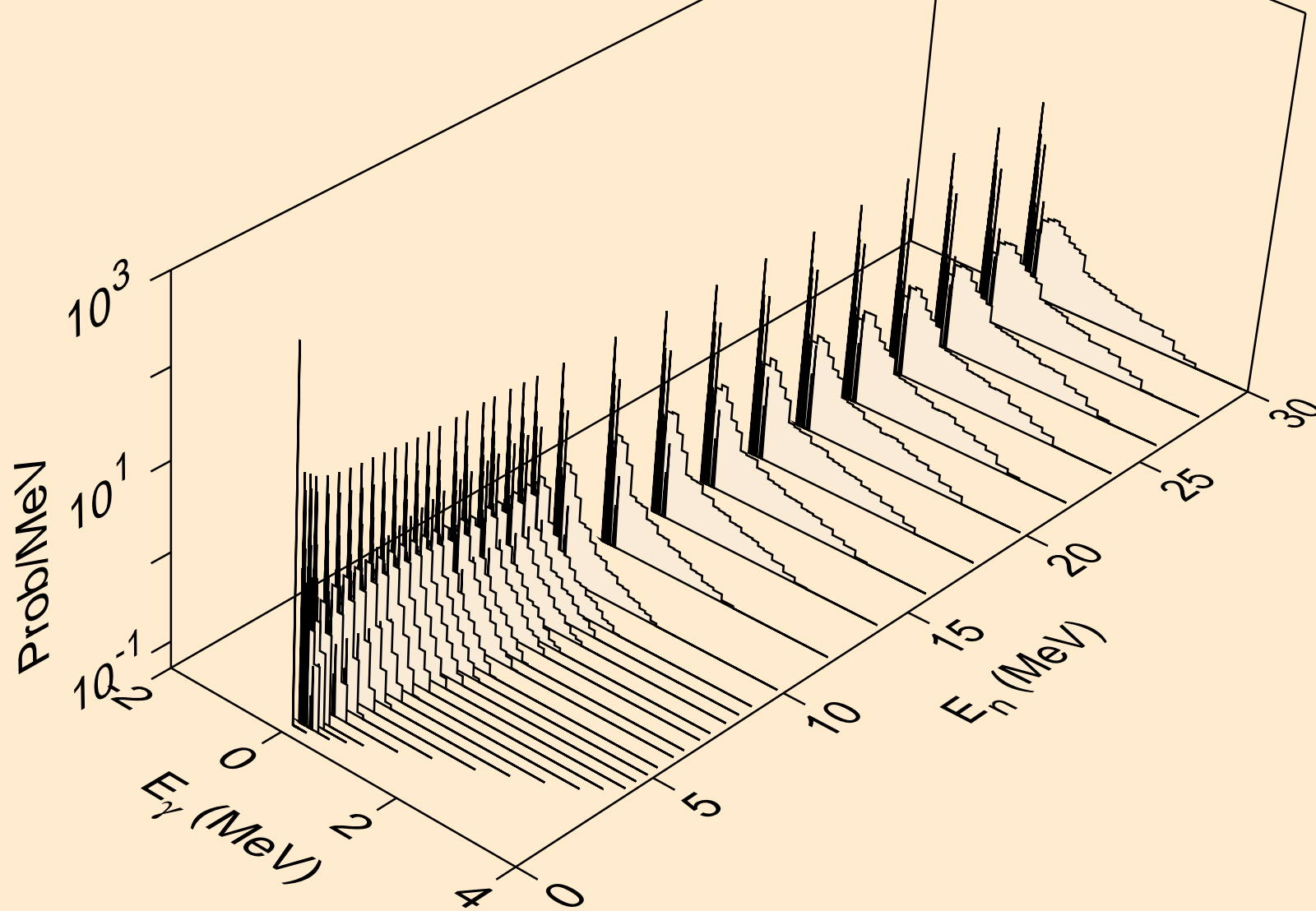
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



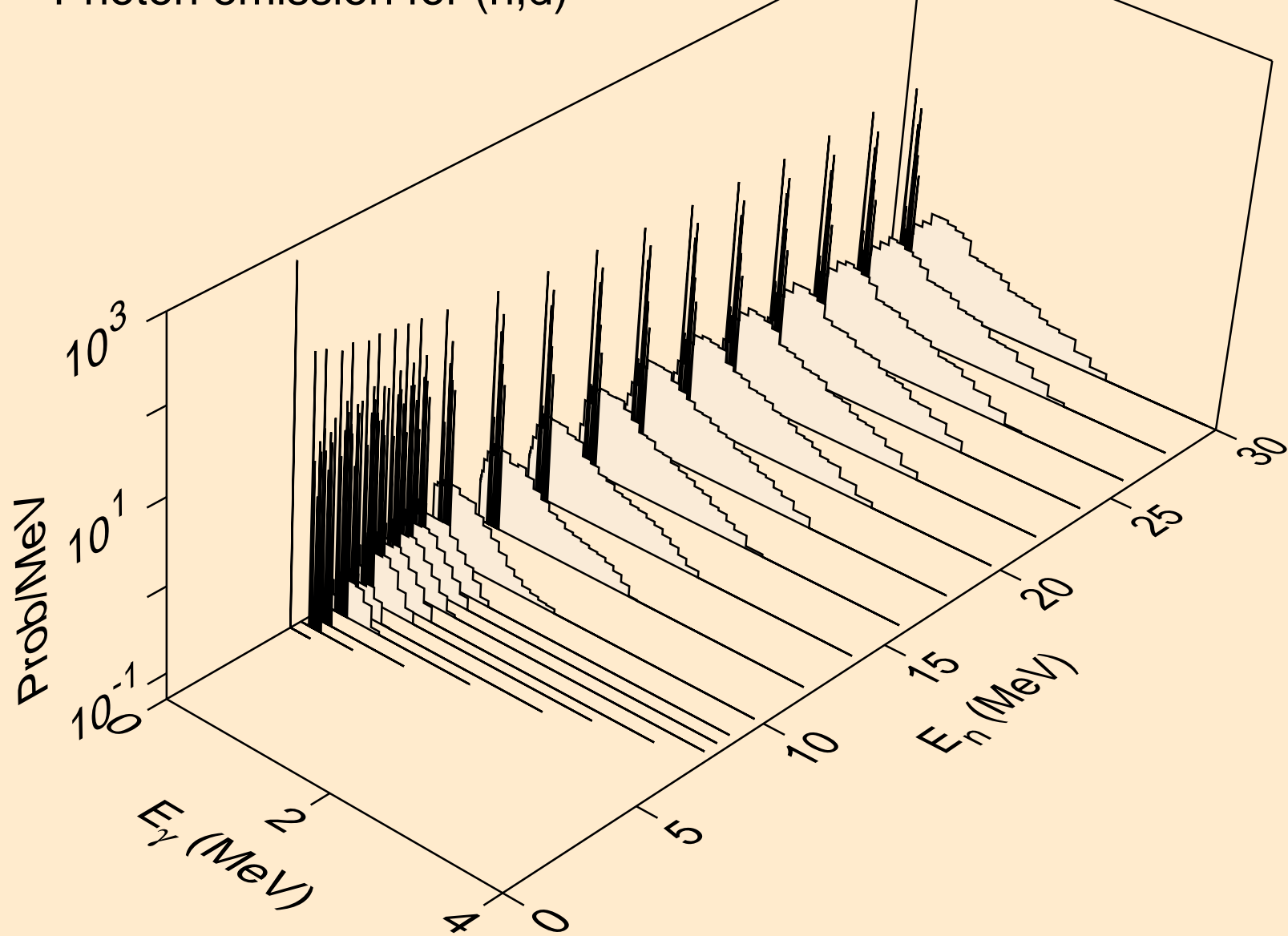
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Photon emission for (n,gma)



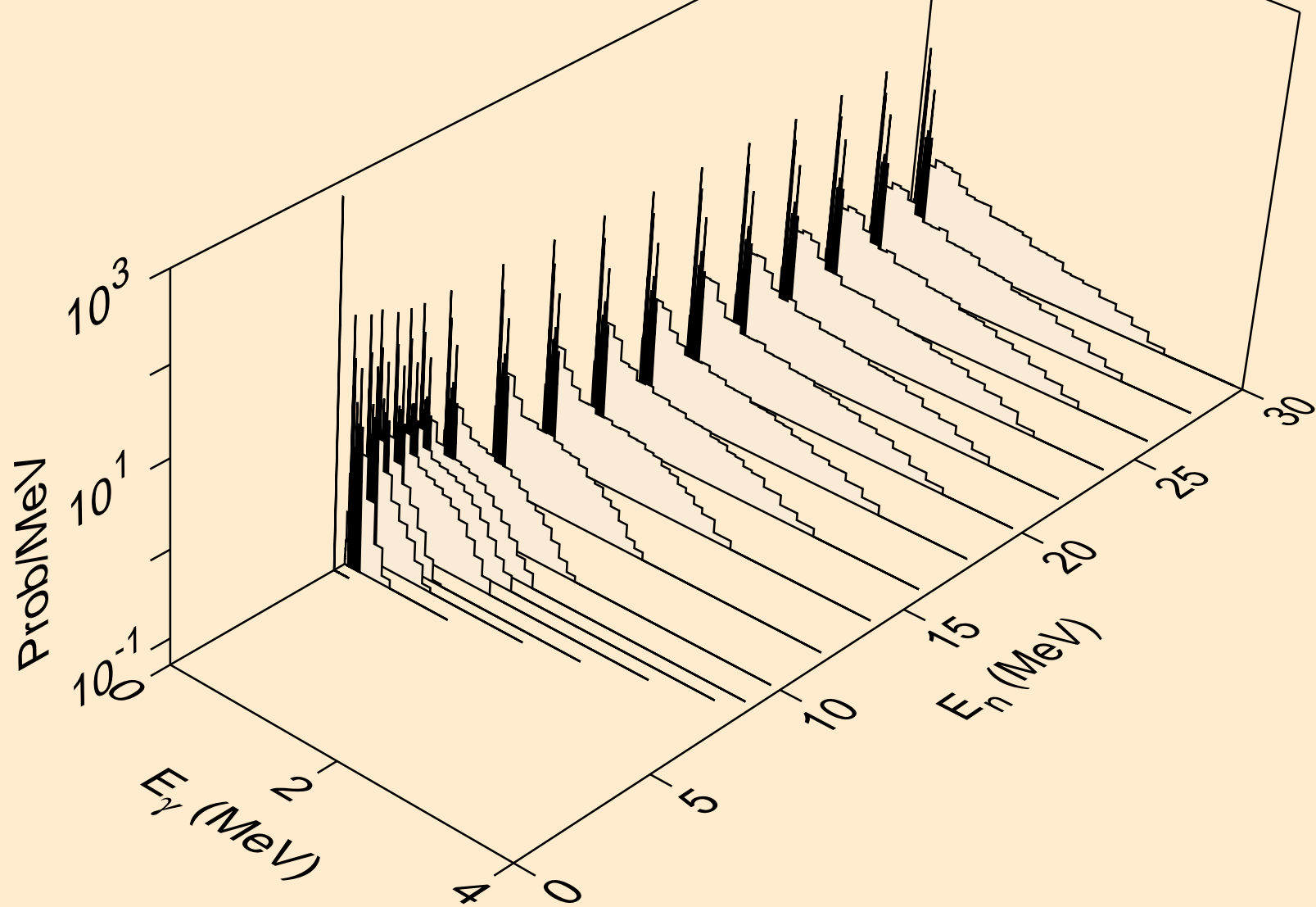
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)



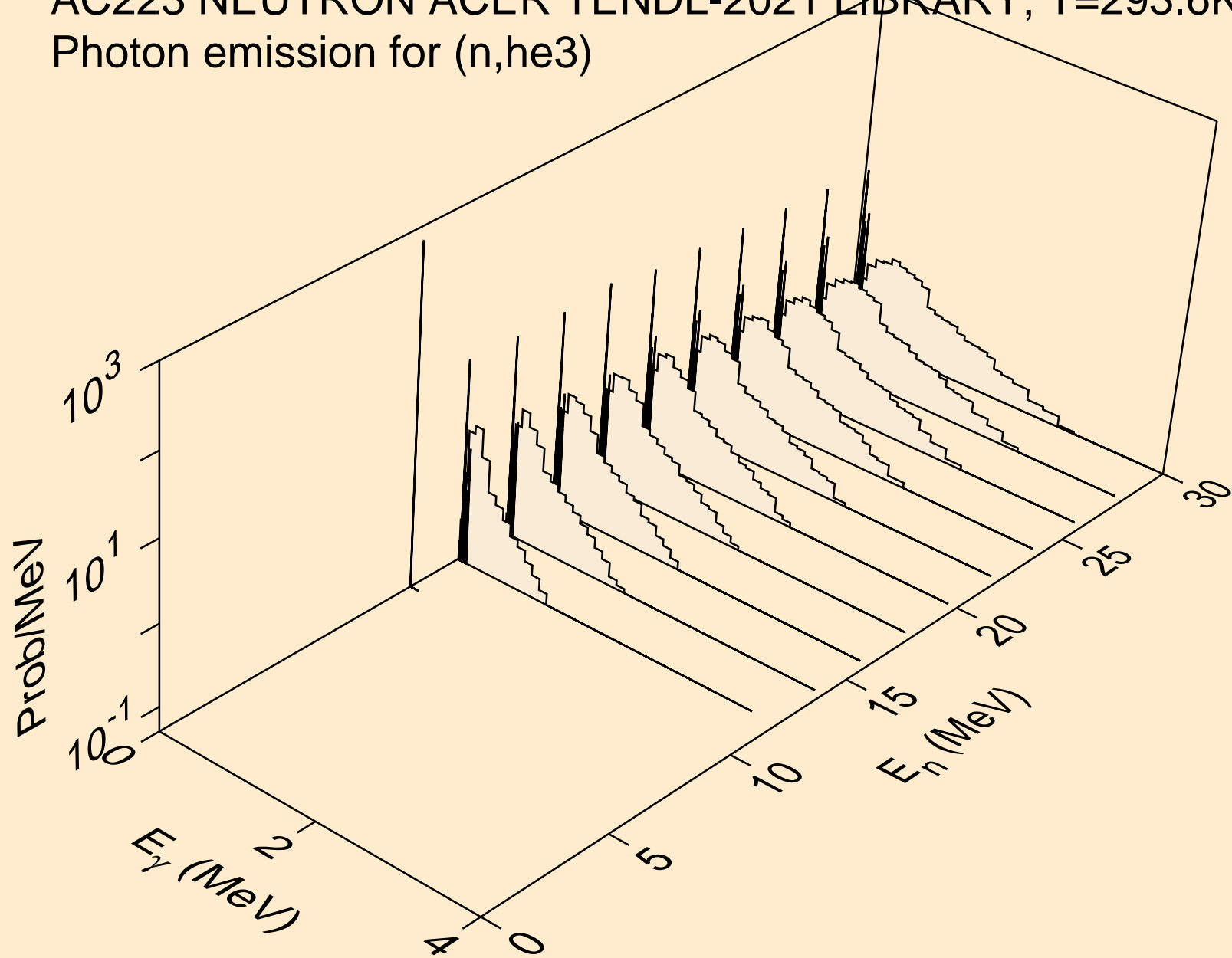
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d)



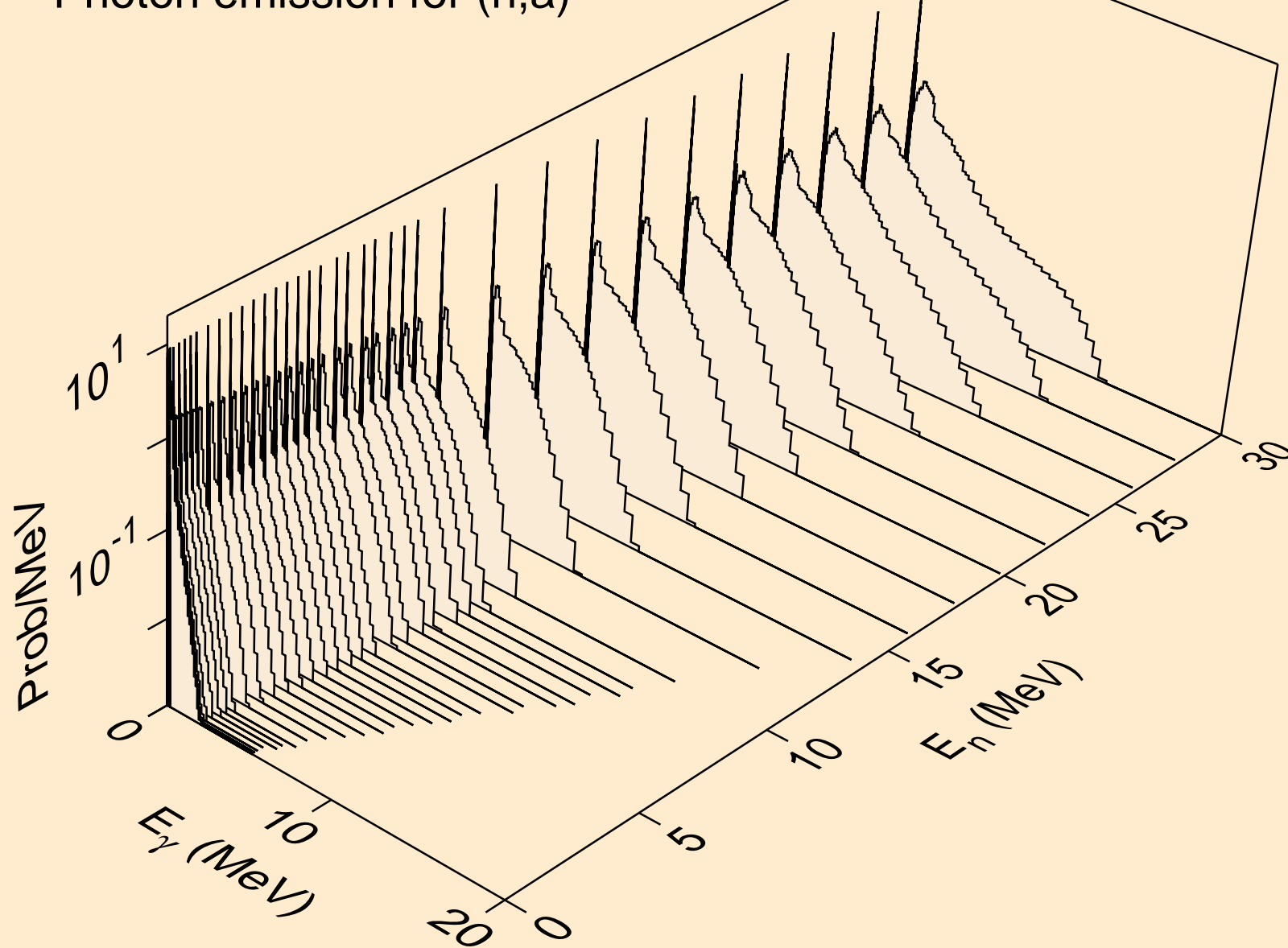
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t)



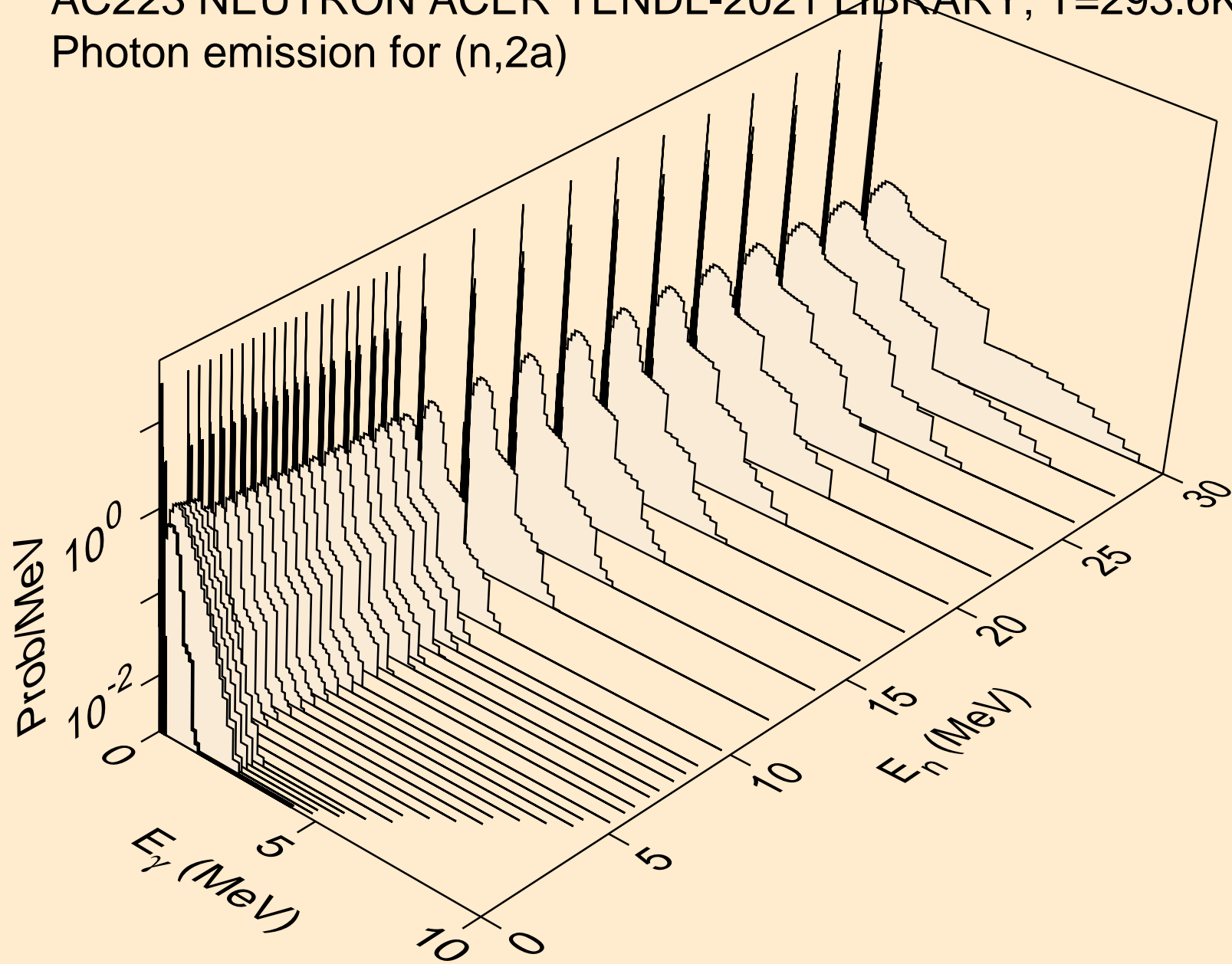
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,he3)



AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,a)

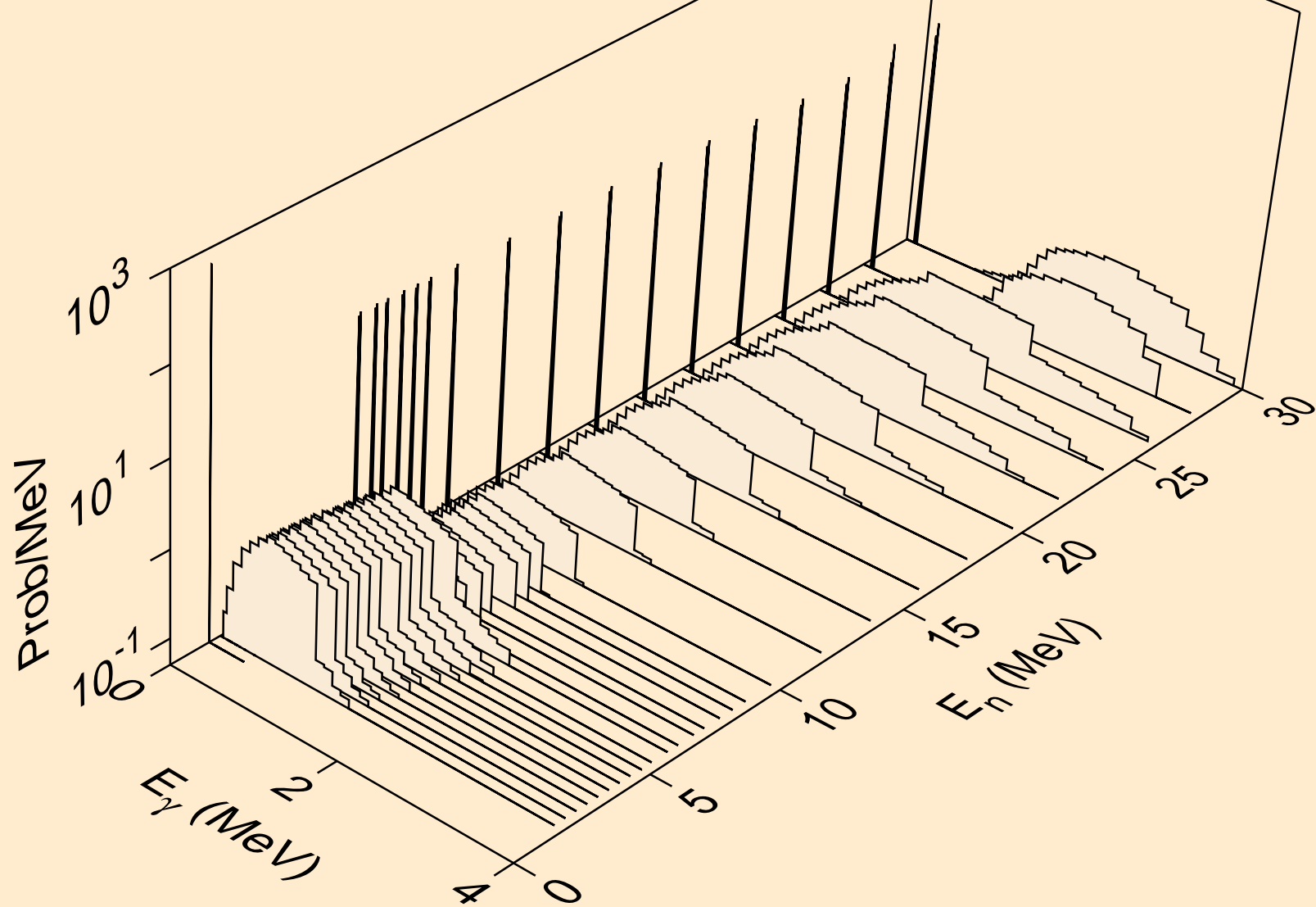


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Photon emission for (n,2a)

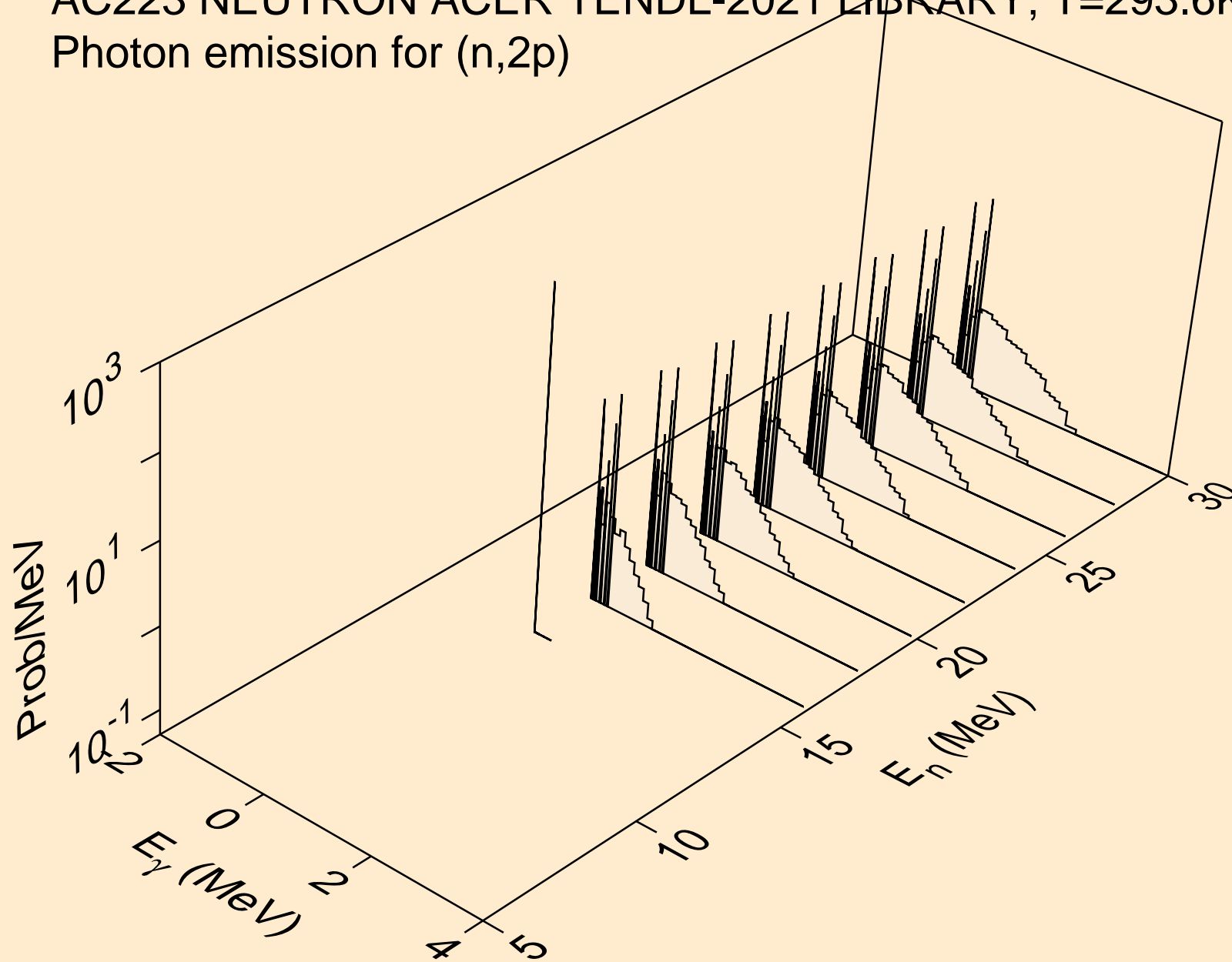




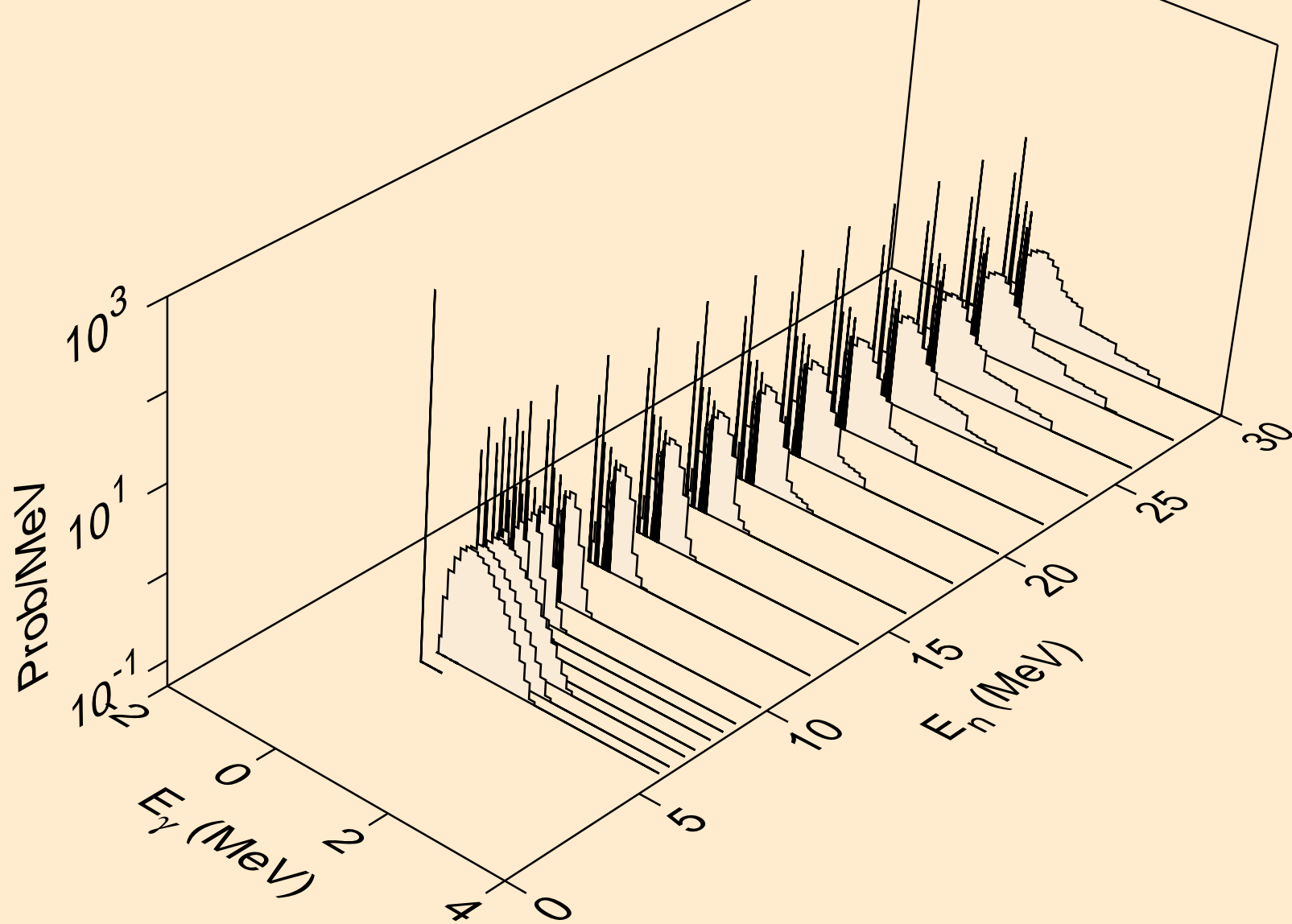
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Photon emission for (n,3a)



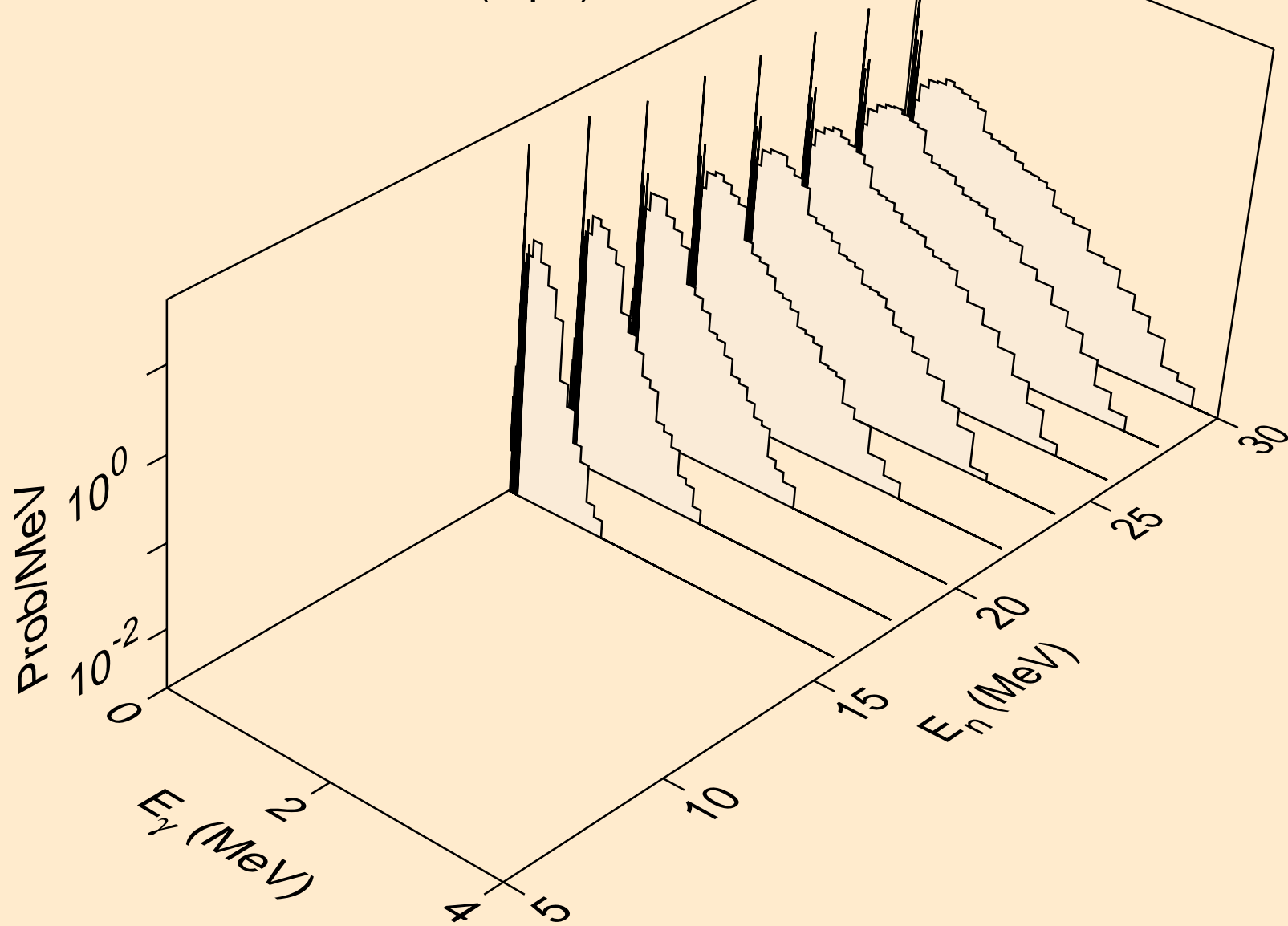
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Photon emission for (n,2p)



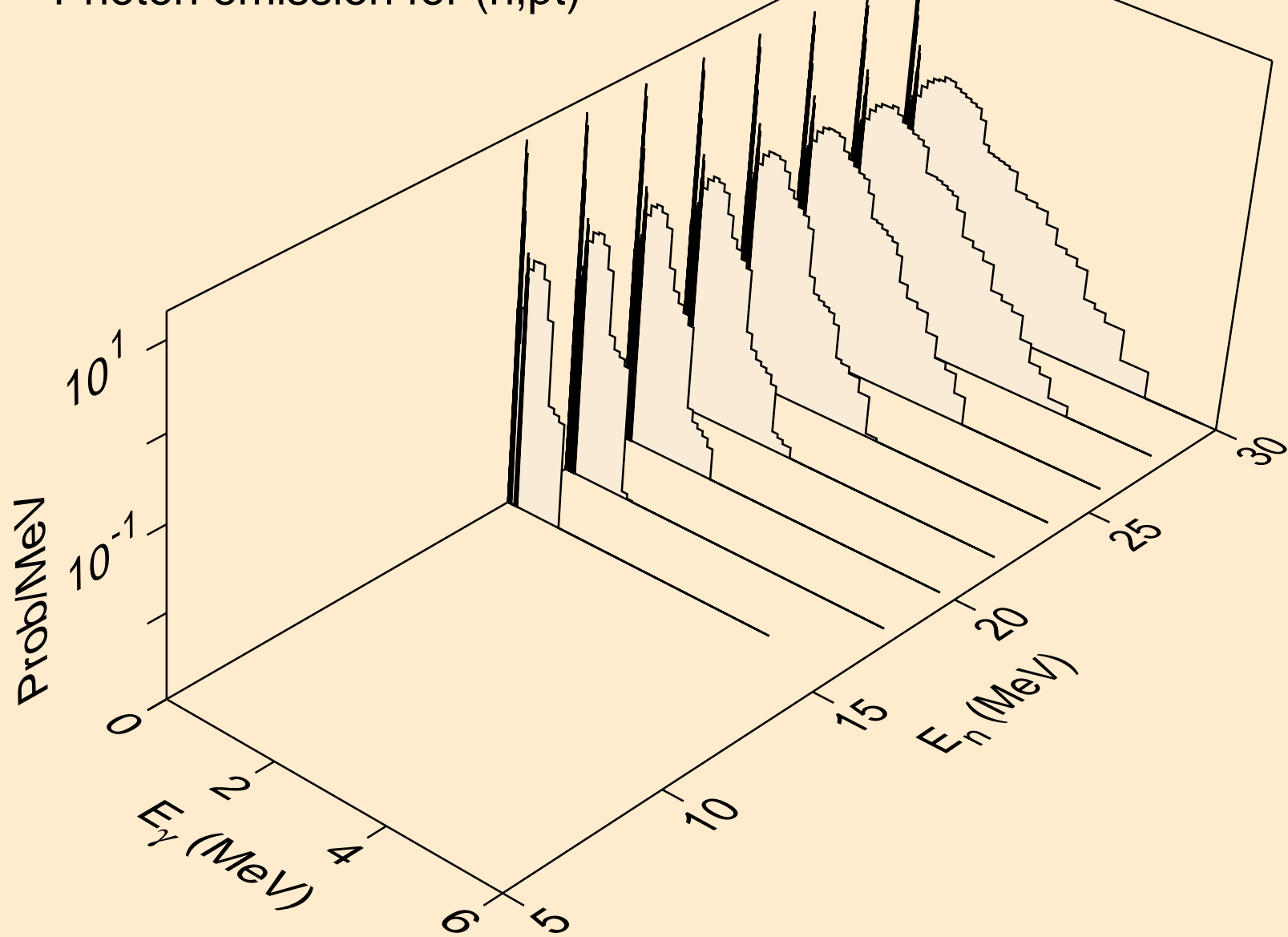
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Photon emission for (n,p $\alpha$ )



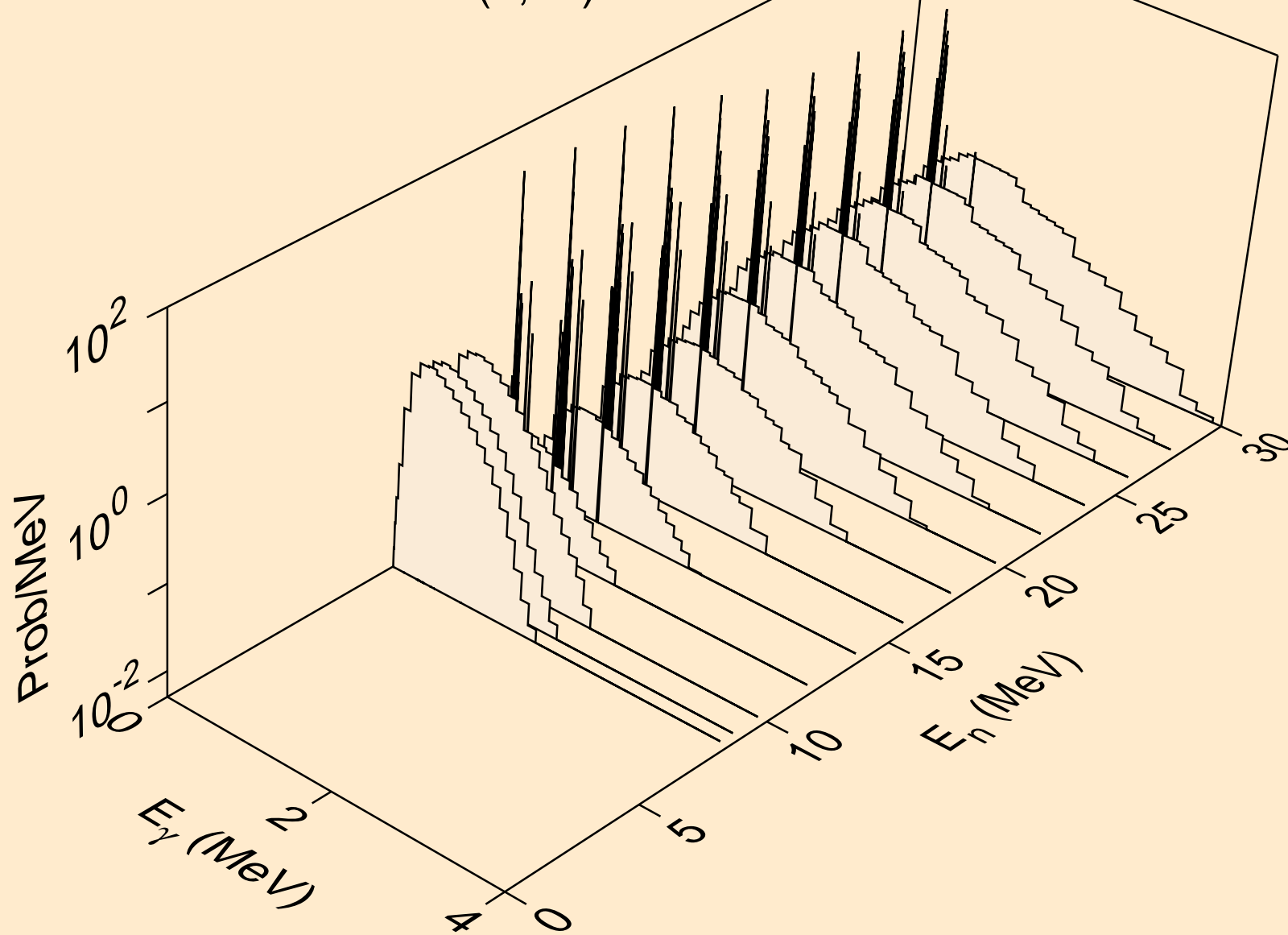
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Photon emission for (n,pd)



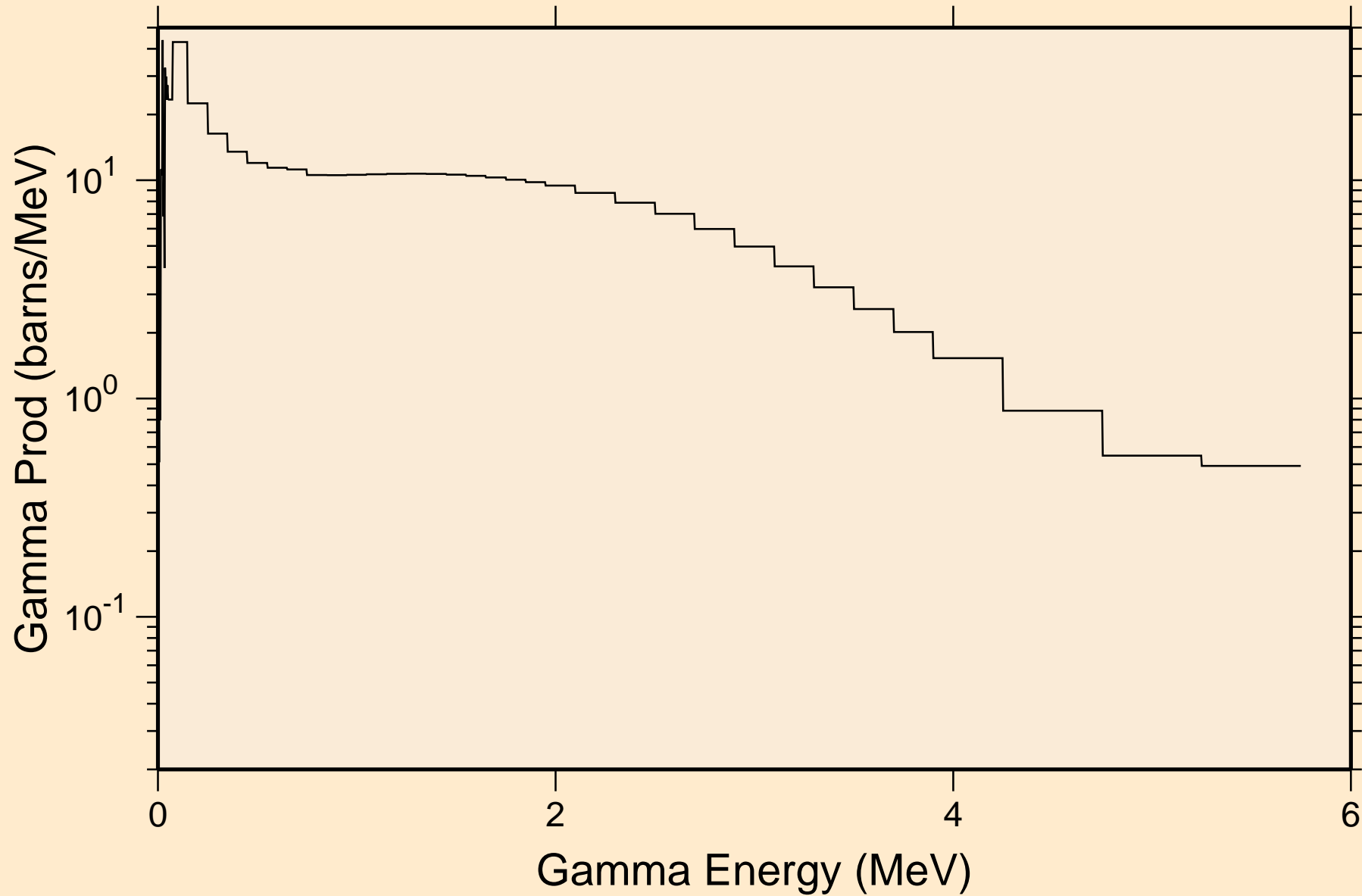
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Photon emission for (n,pt)



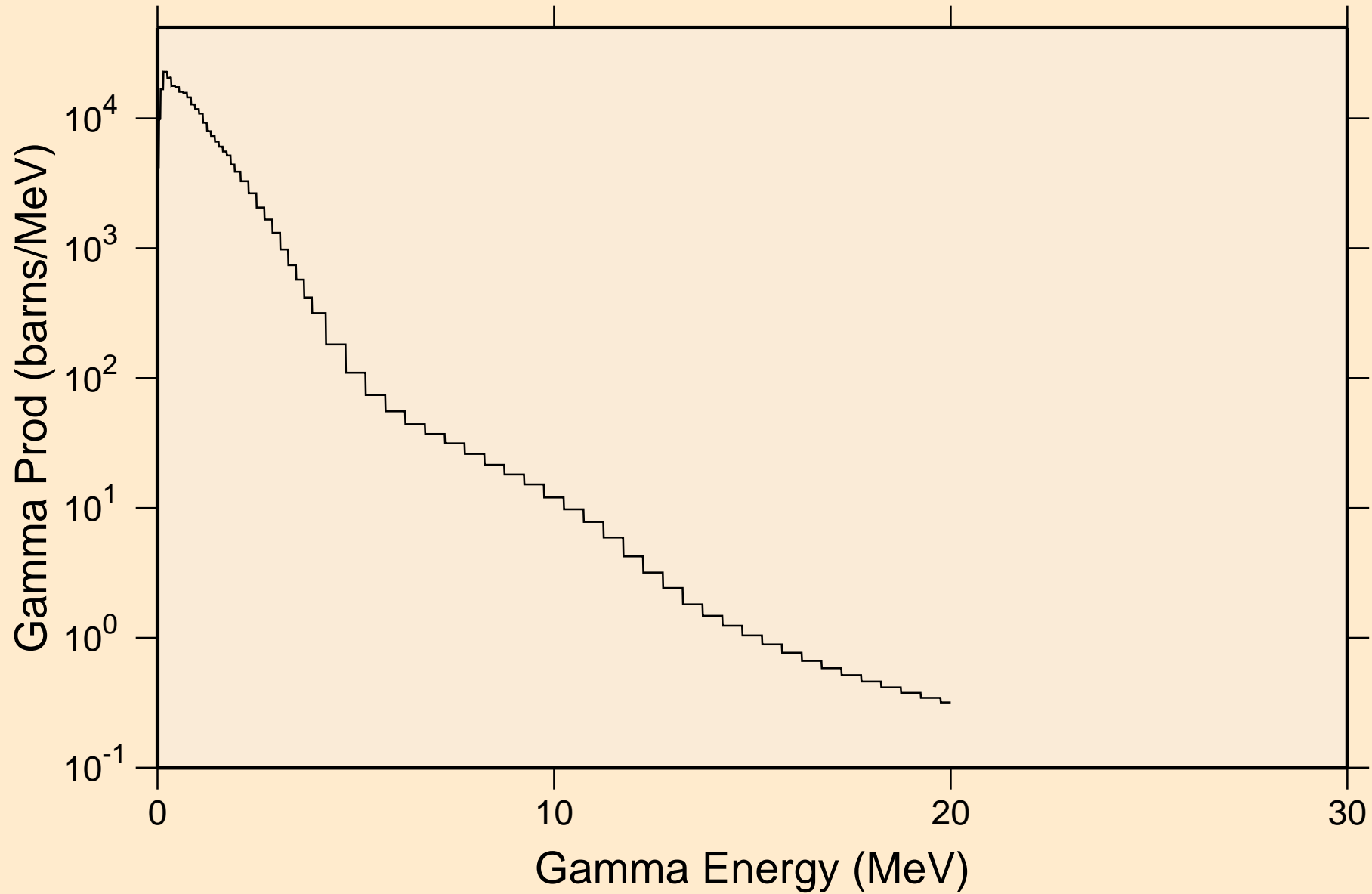
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,da)



AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum



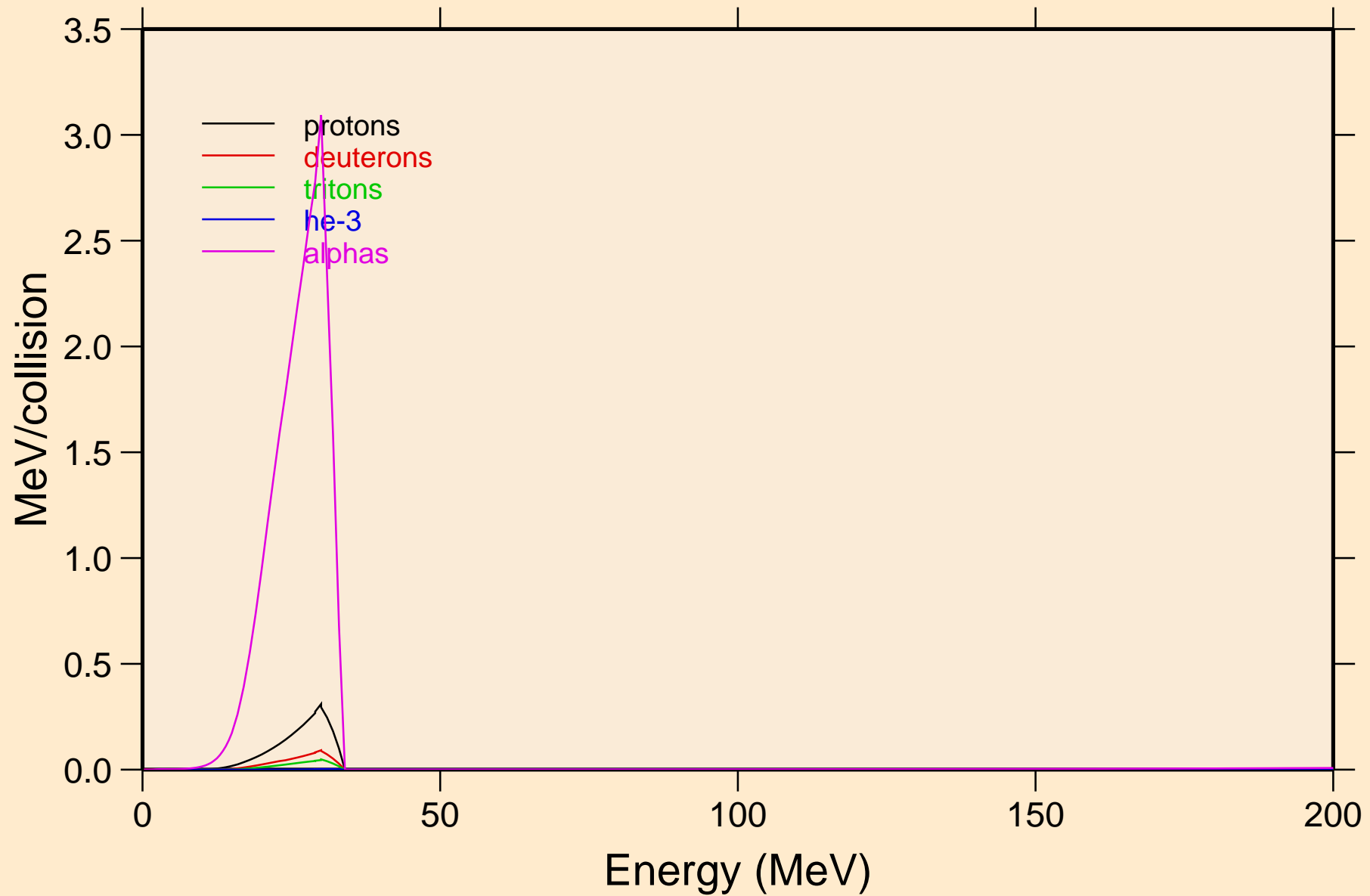
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14 MeV photon spectrum



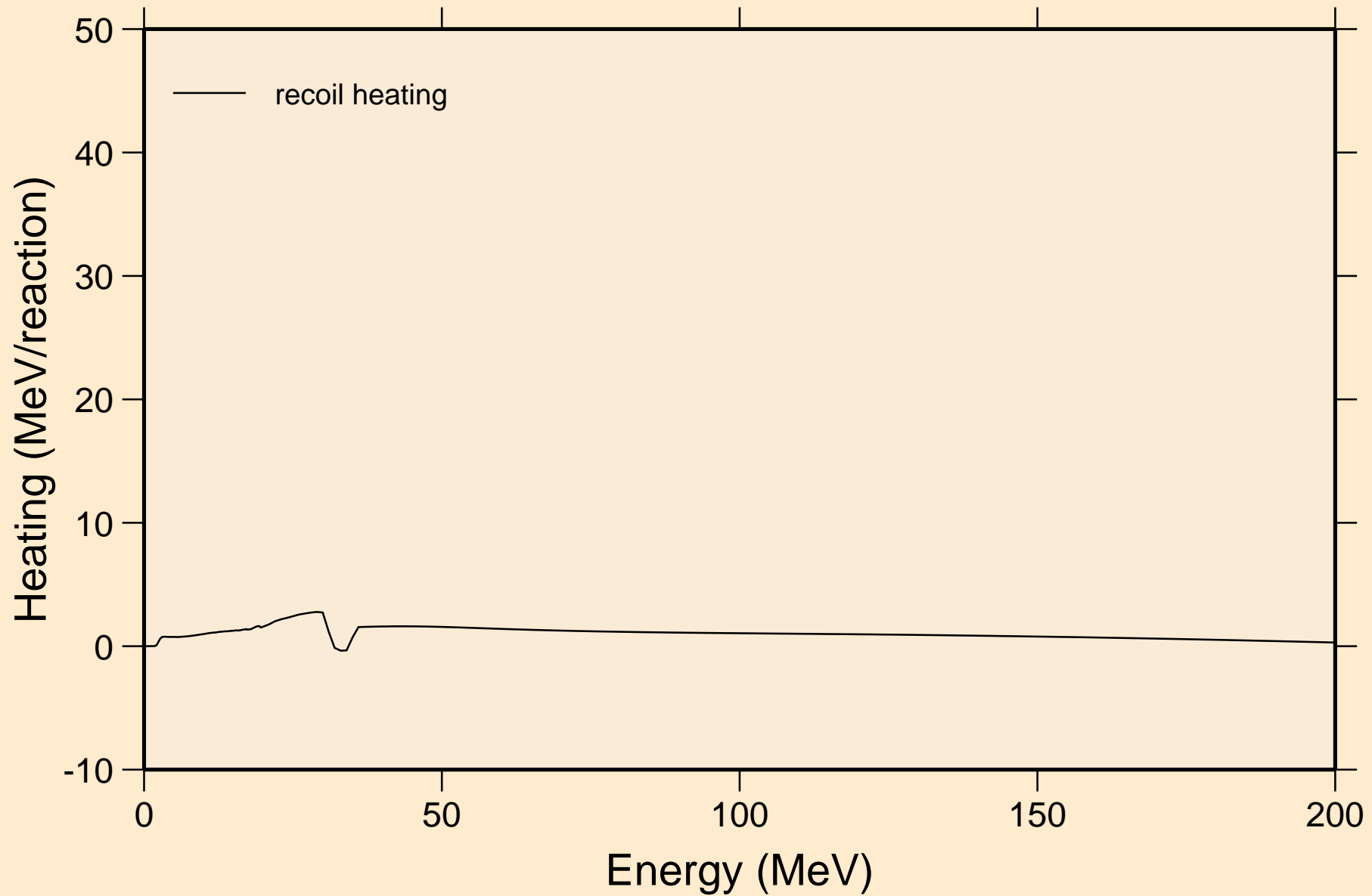


# AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

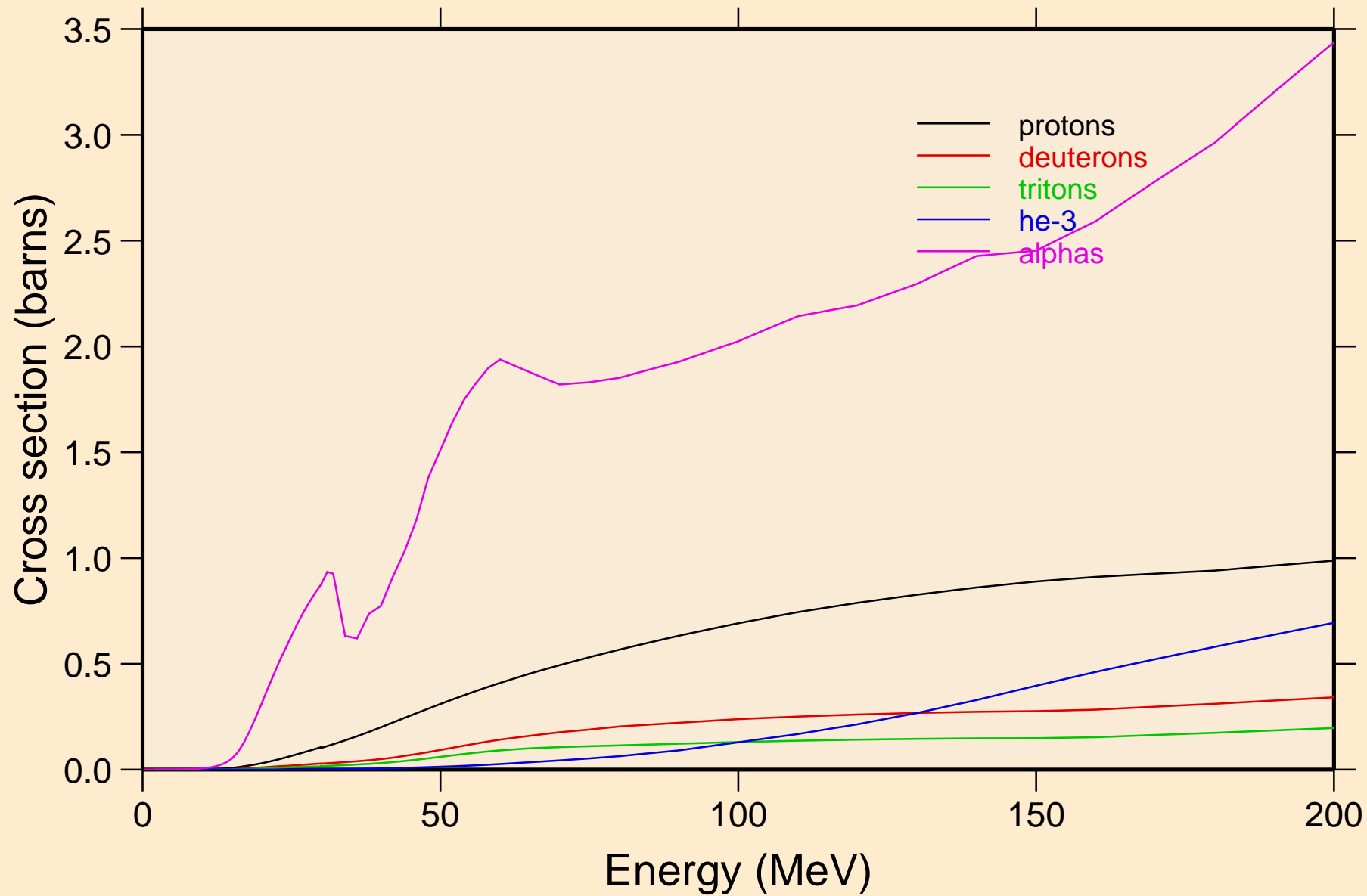
## Particle heating contributions



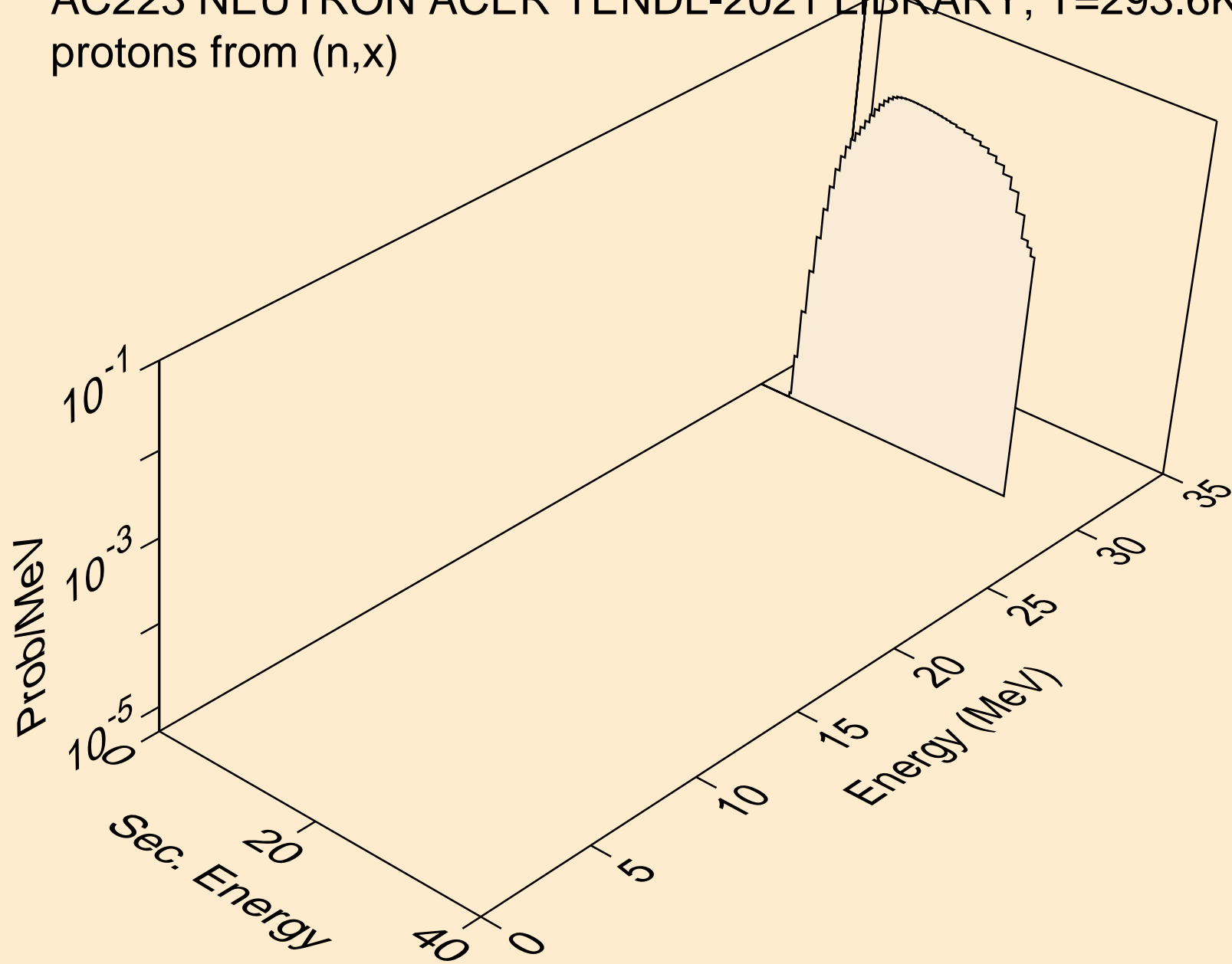
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Recoil Heating



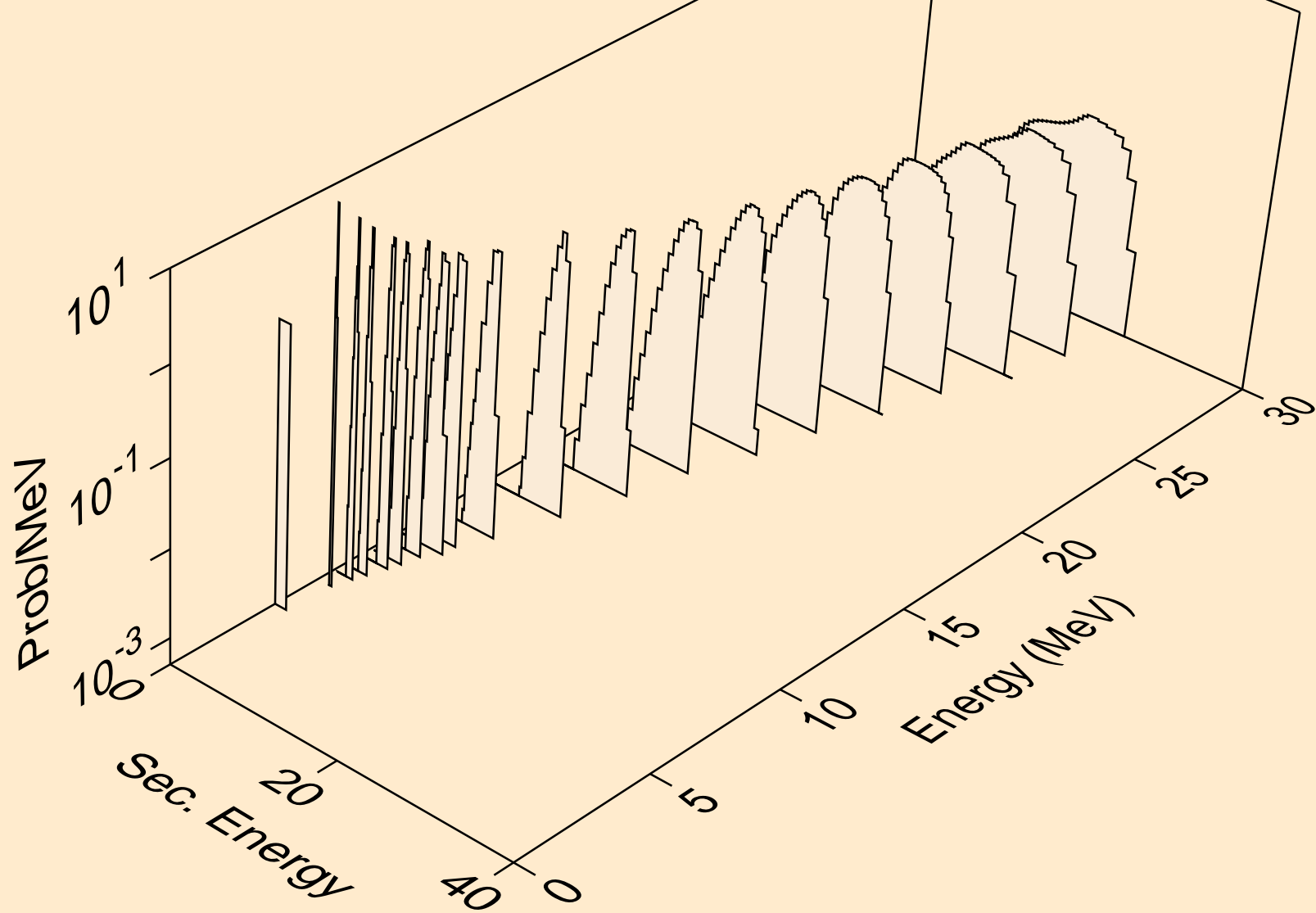
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle production cross sections



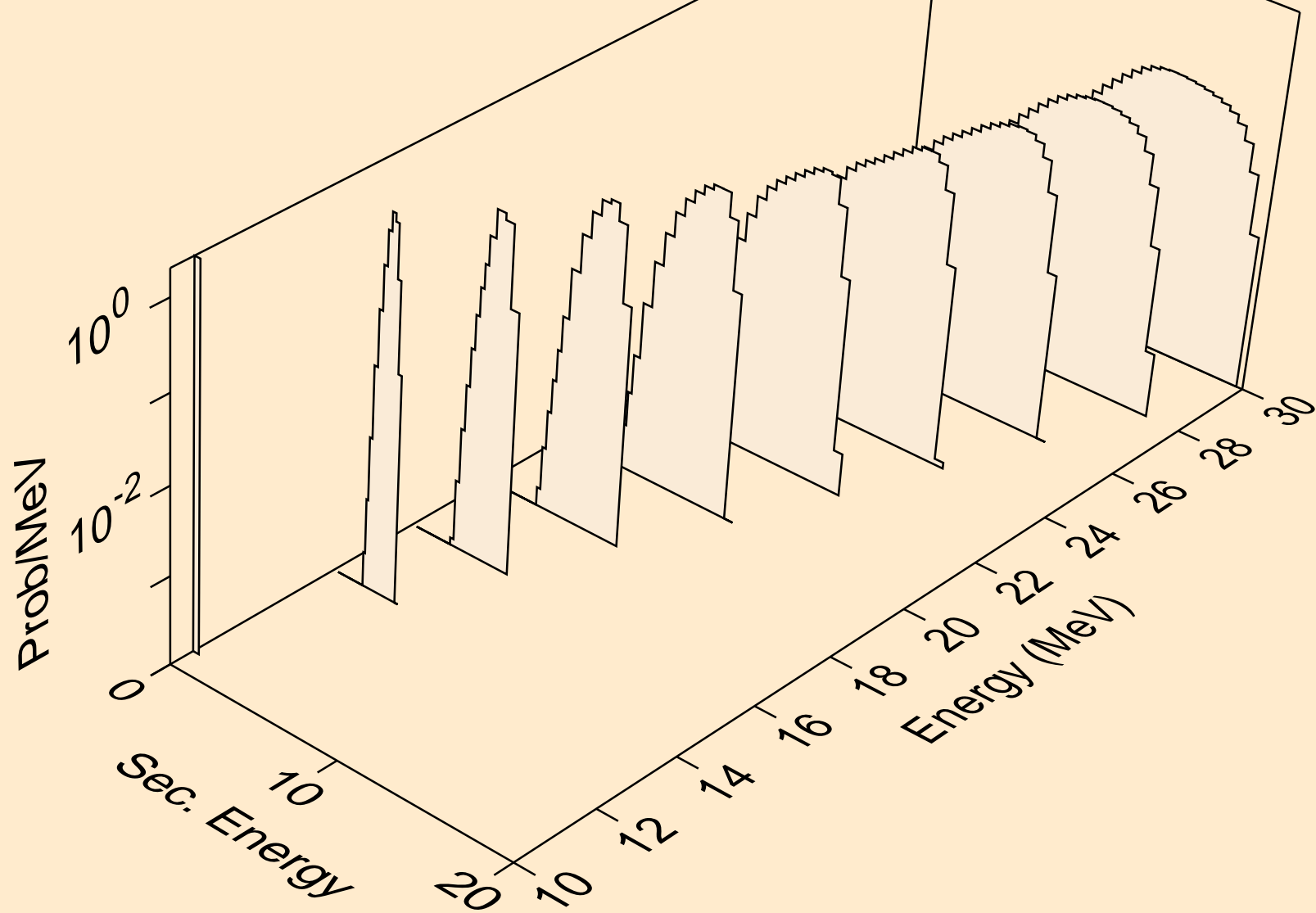
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)



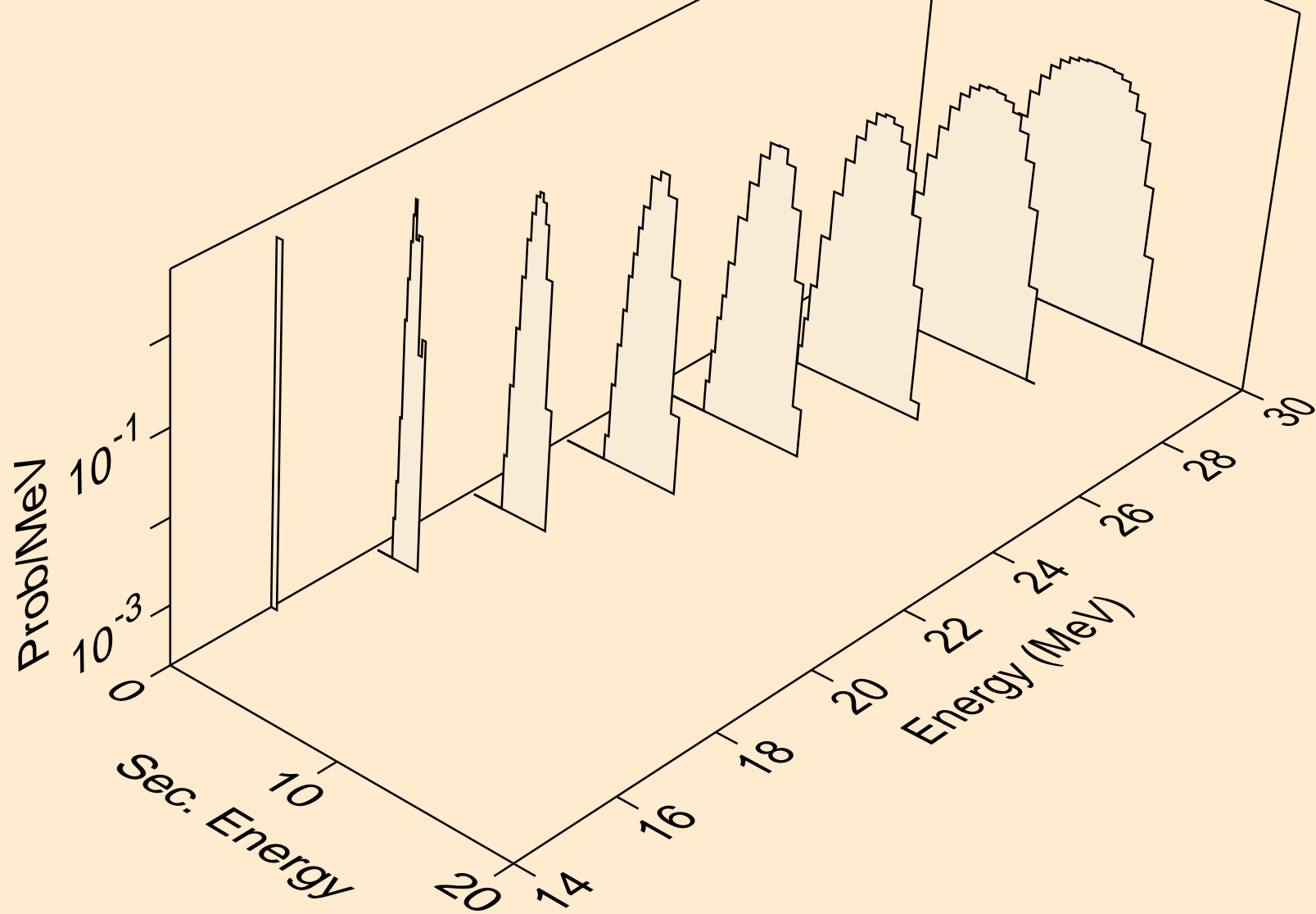
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,n\*)p



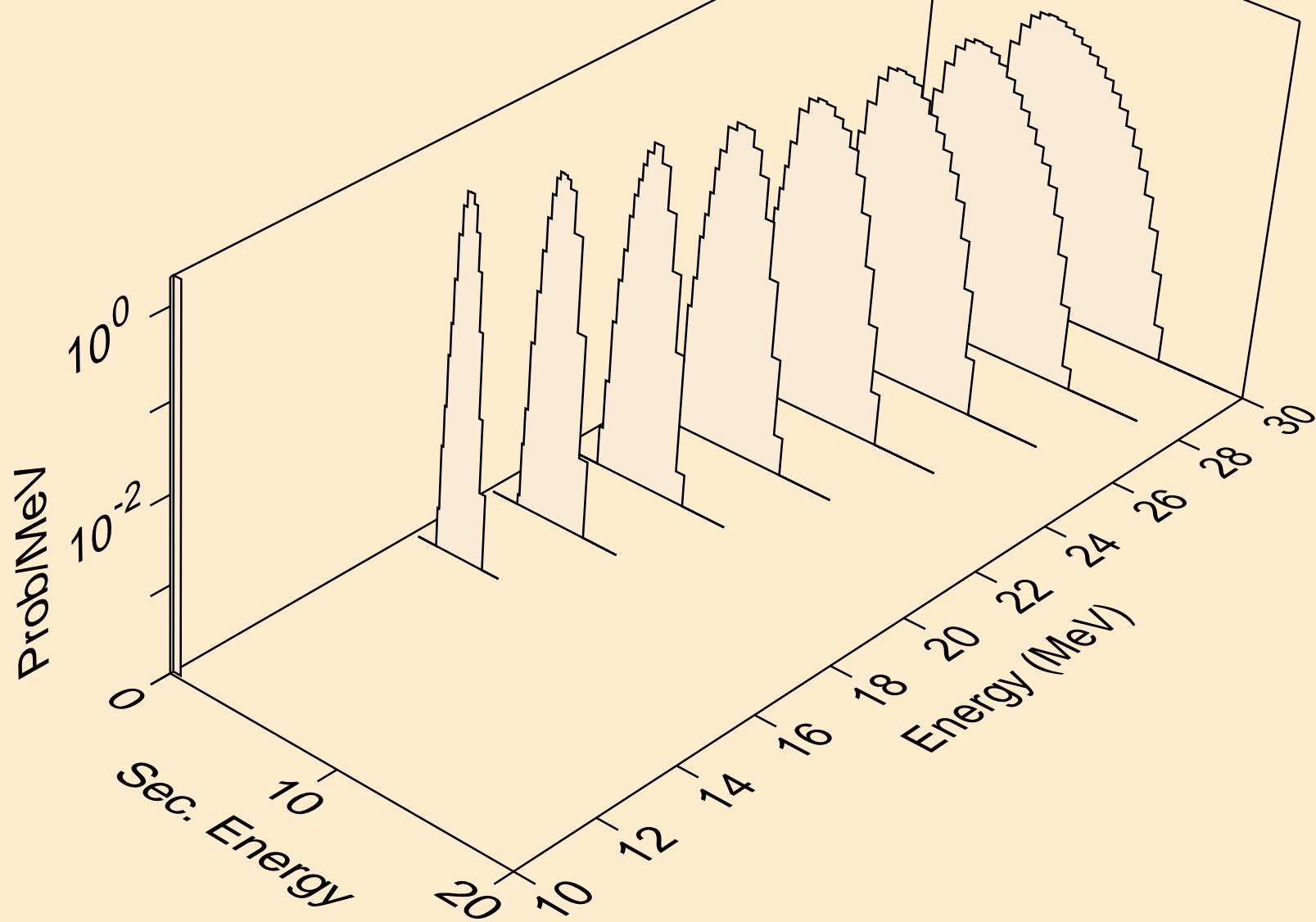
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)



AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,3np)

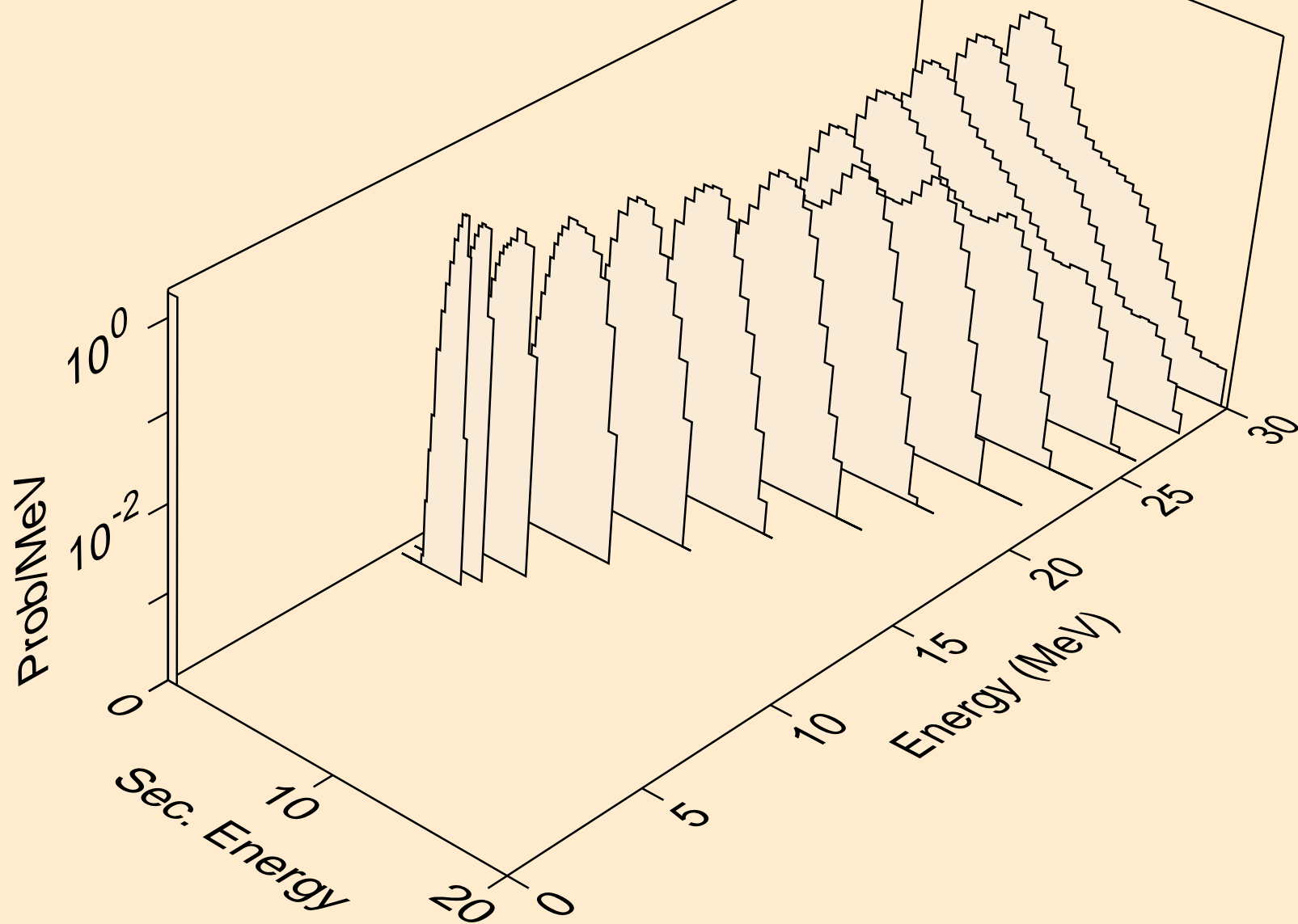


AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)

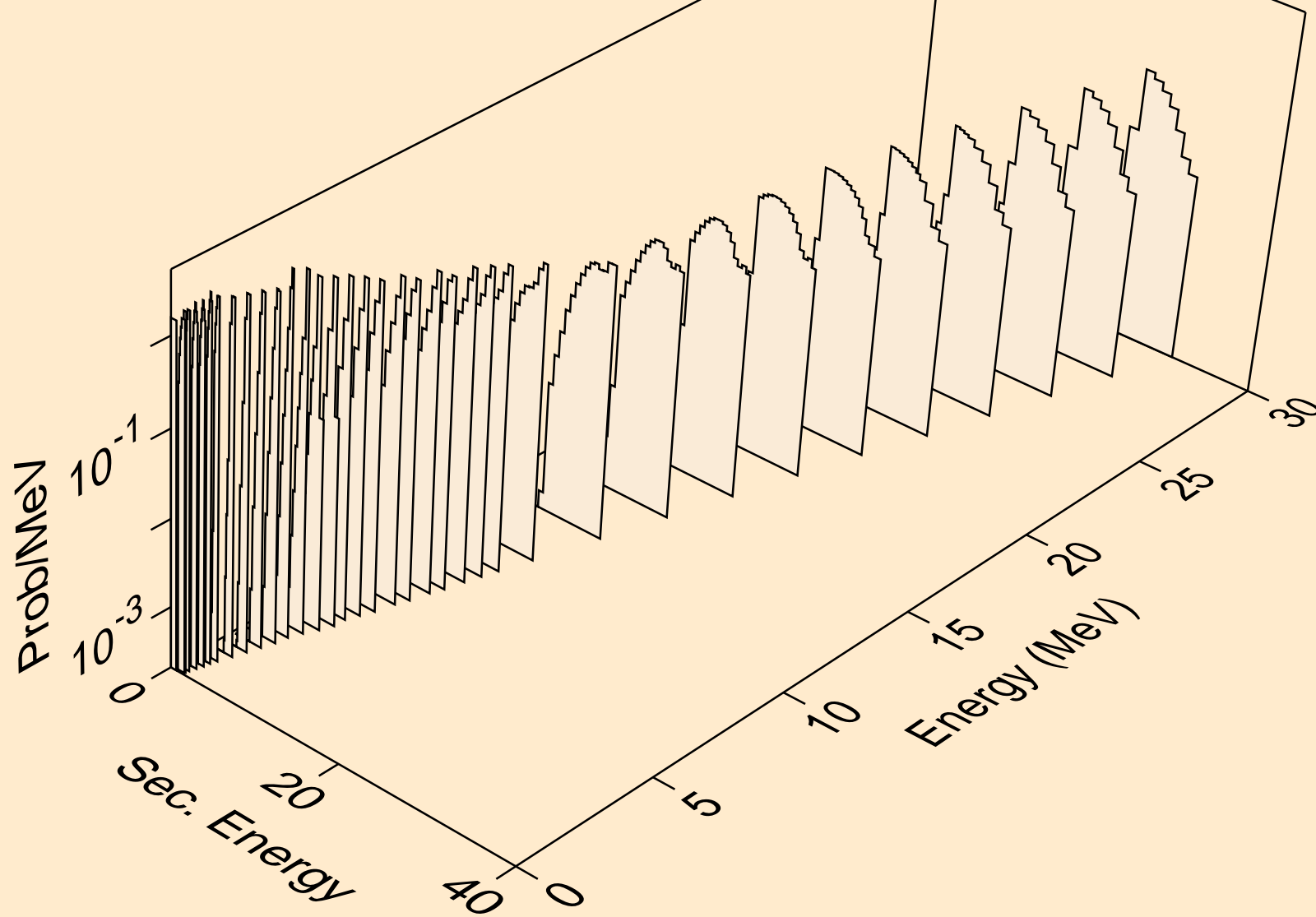




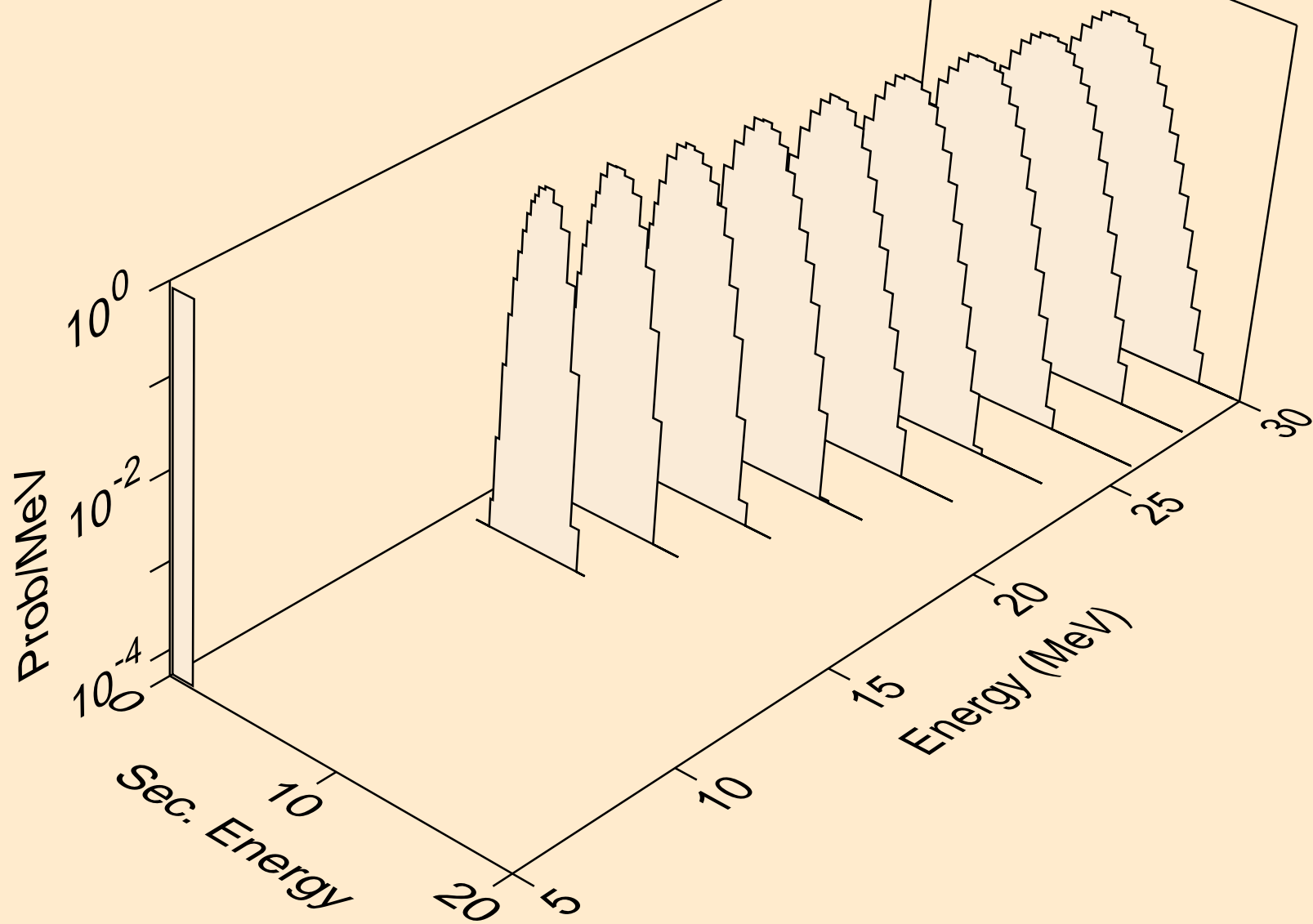
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protons from (n,npa)



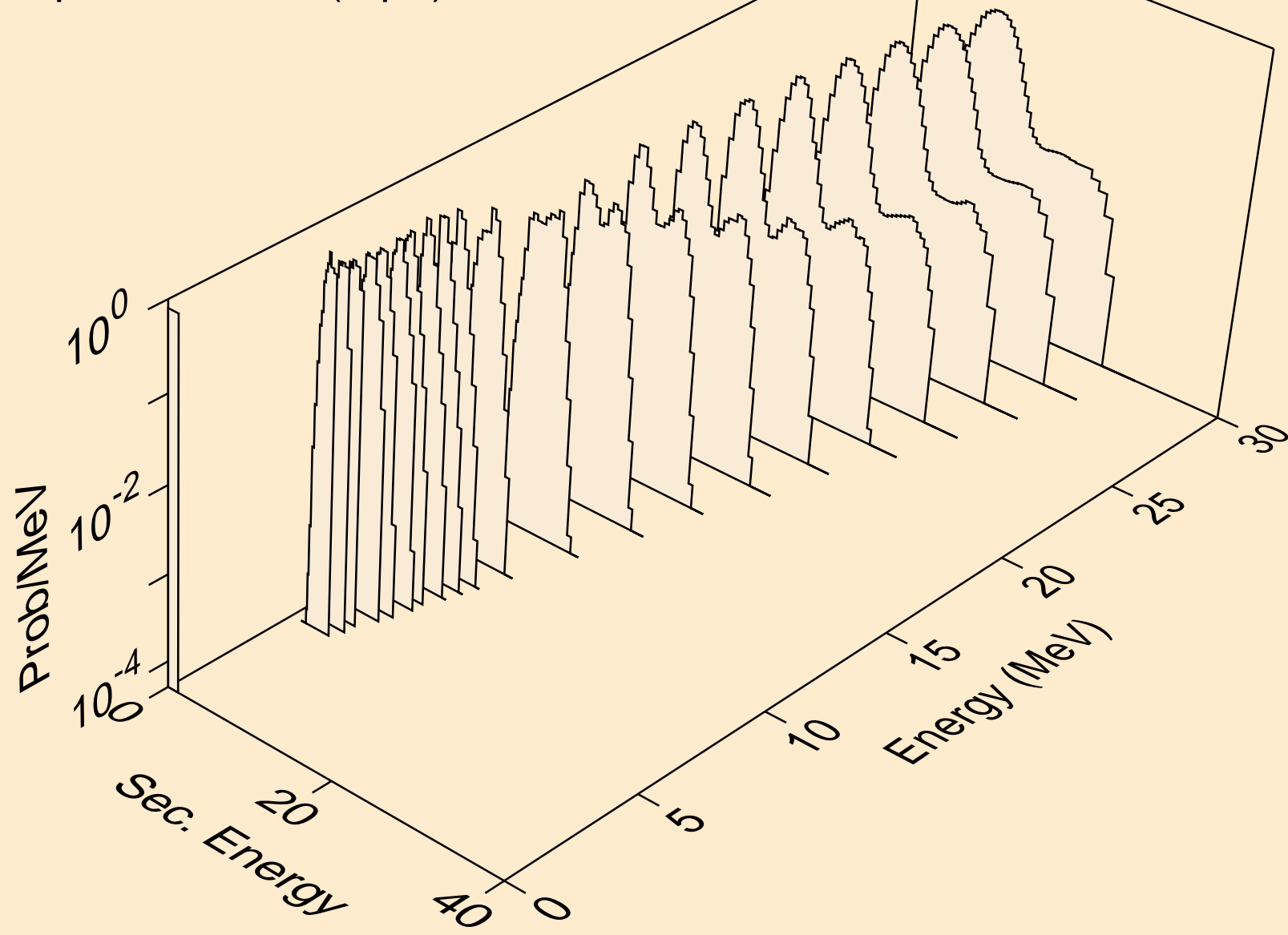
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protons from (n,p)



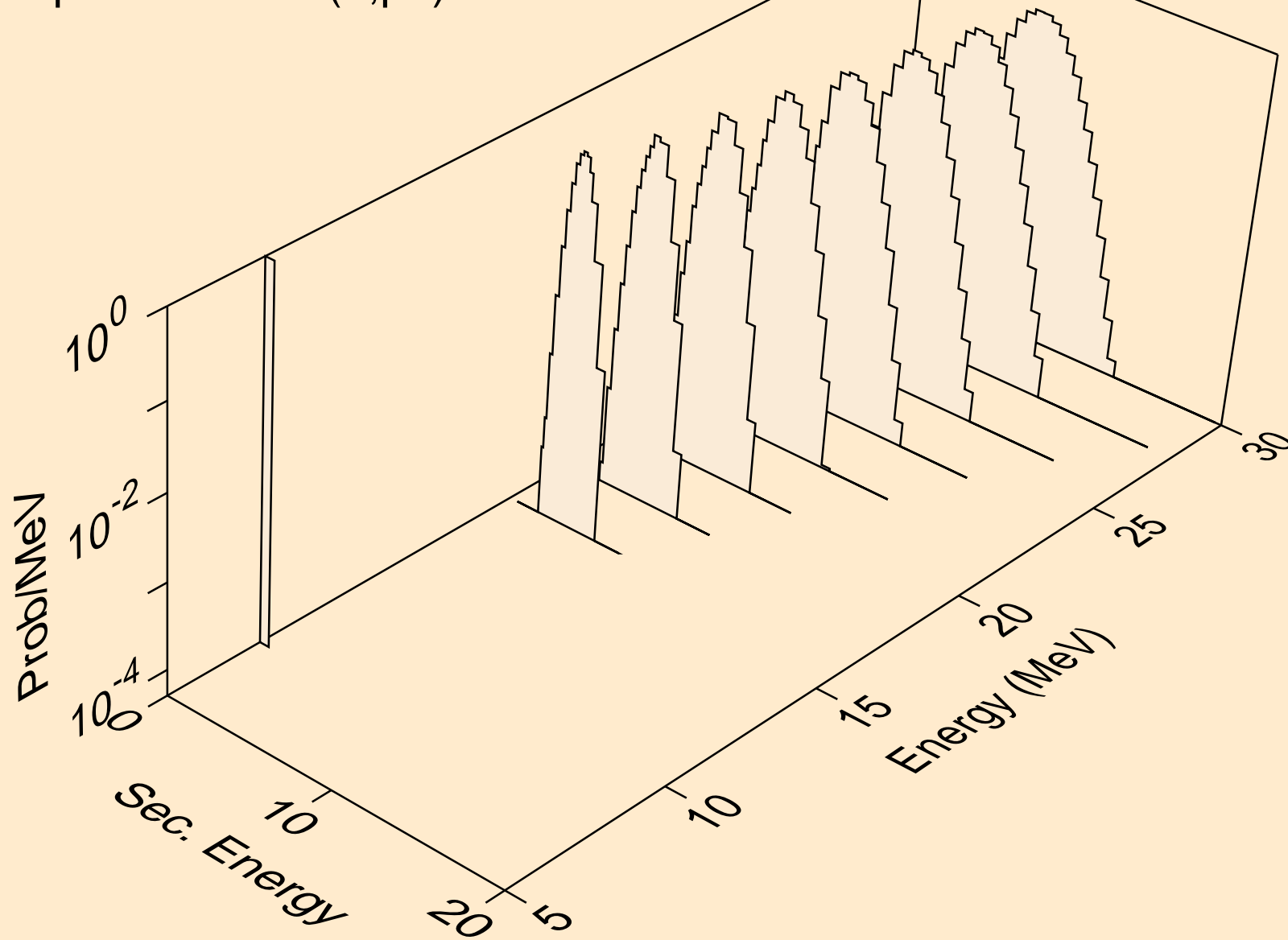
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protons from (n,2p)



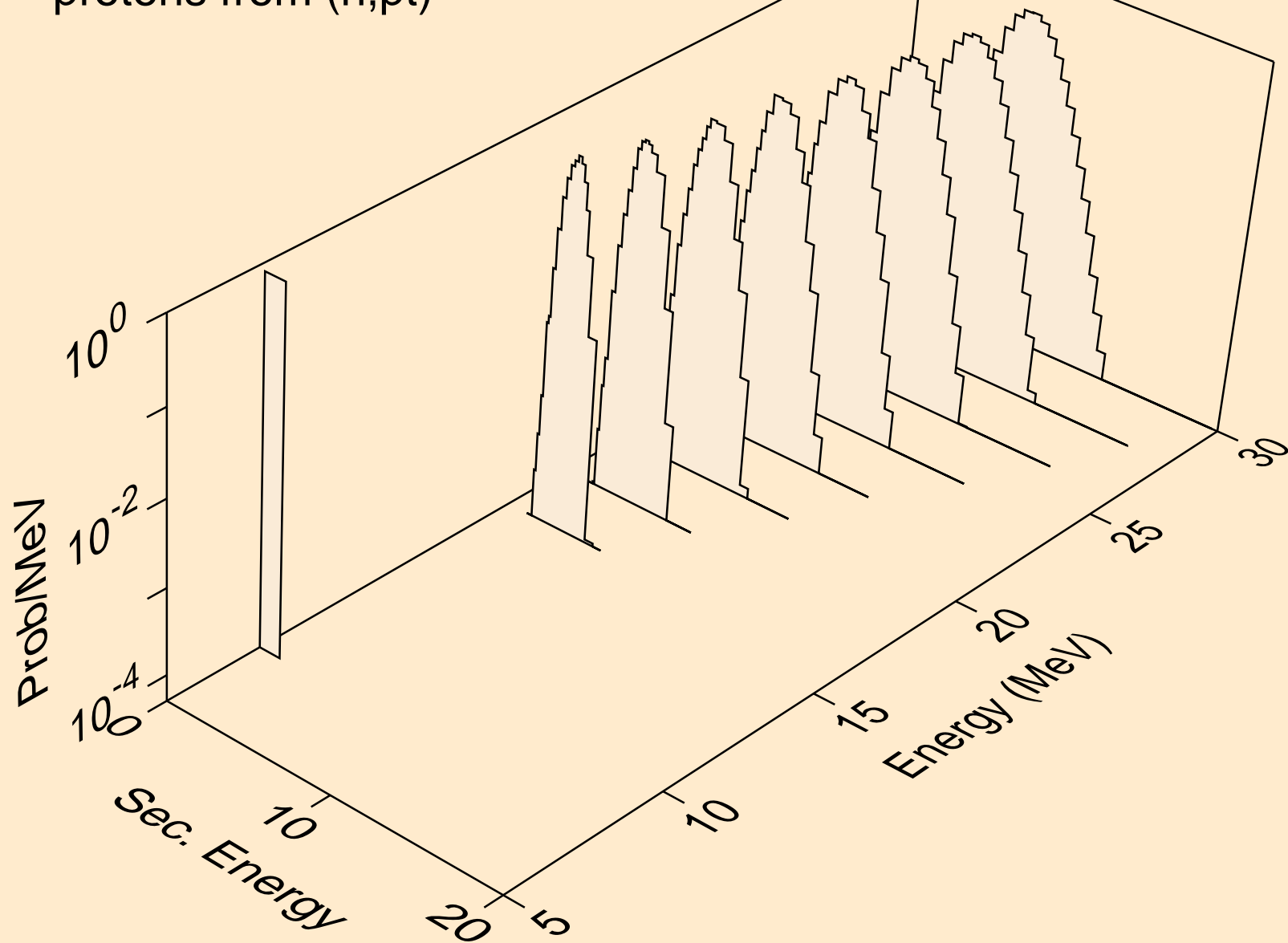
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protons from (n,p)



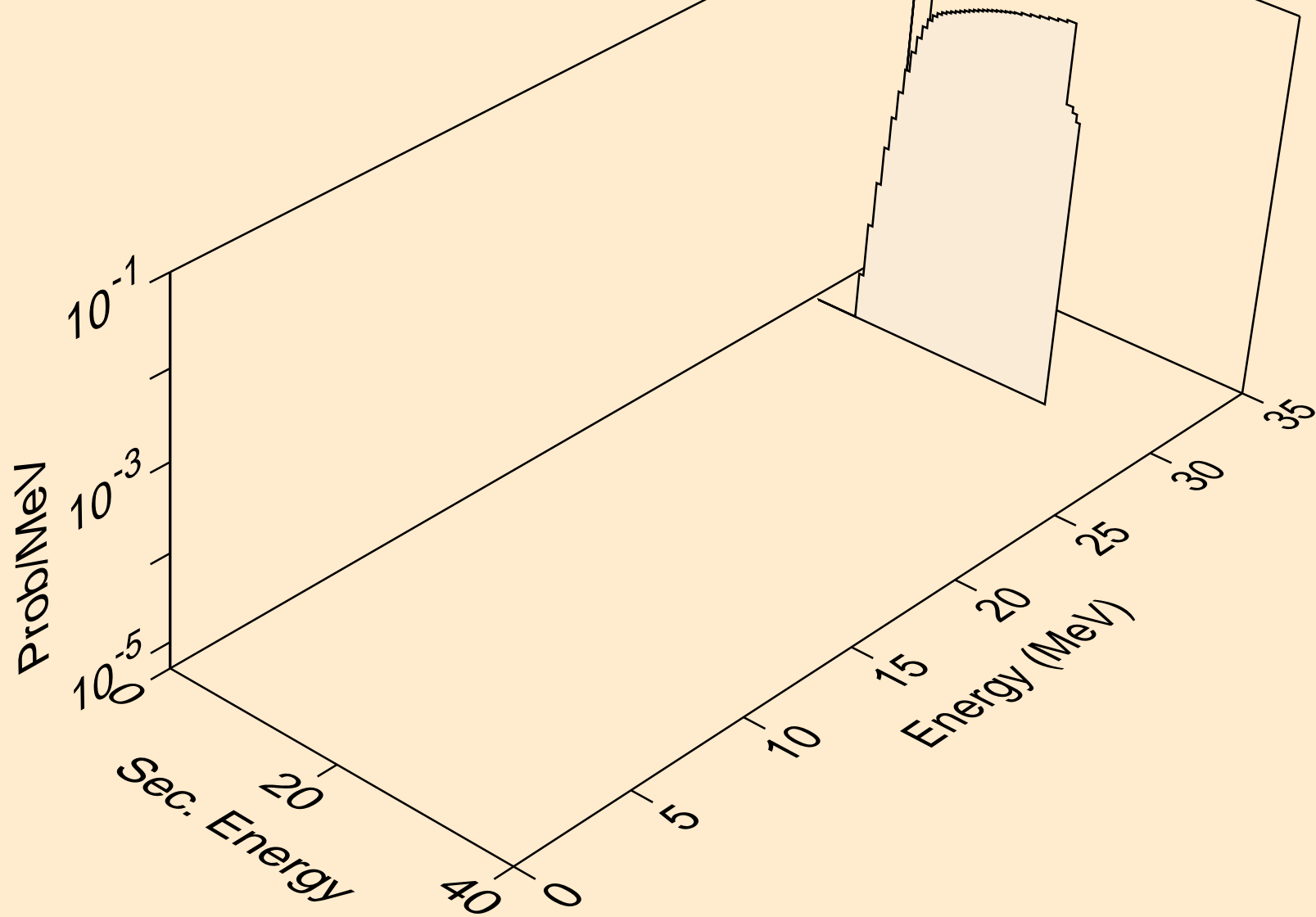
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pd)



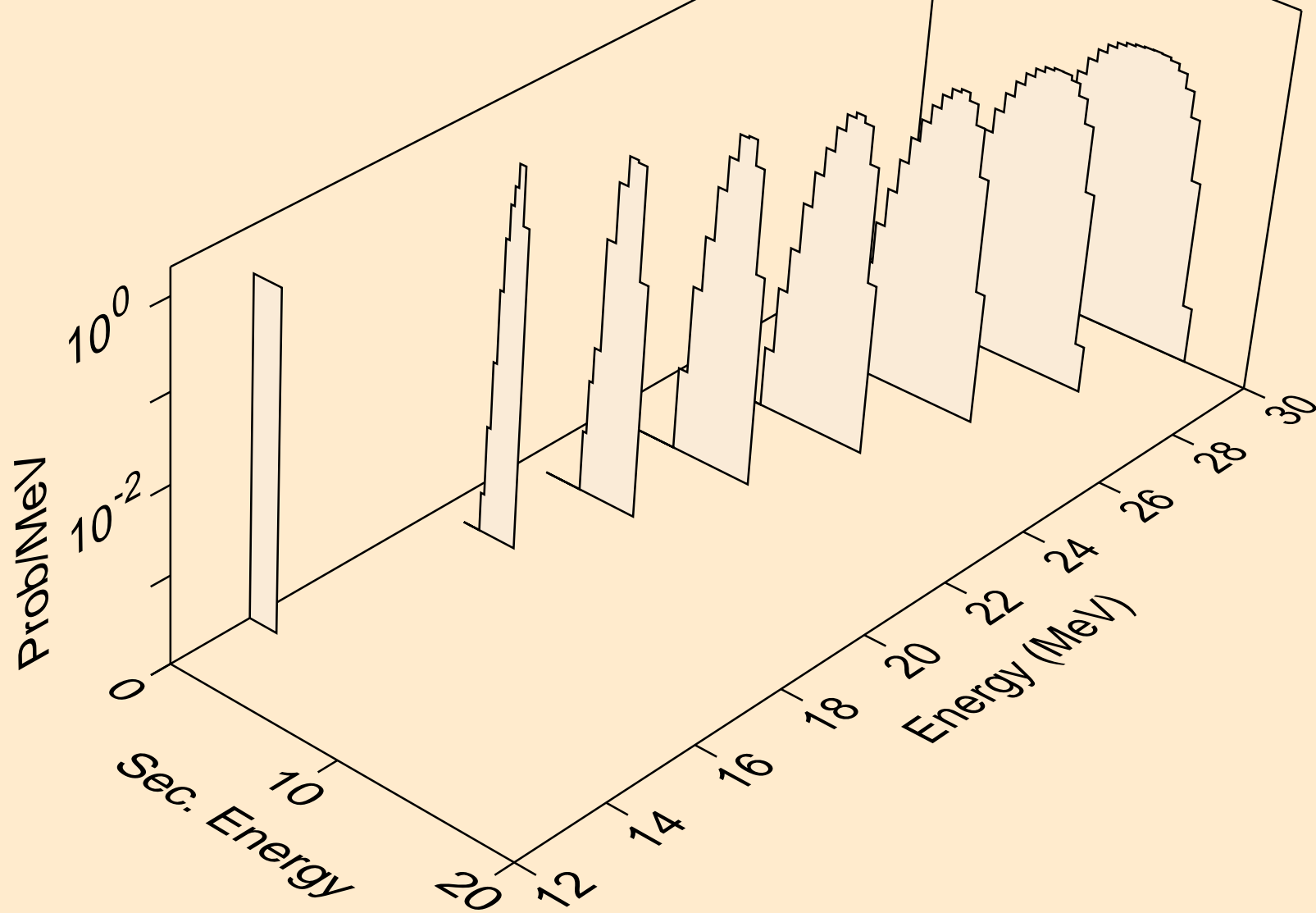
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pt)



AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,x)

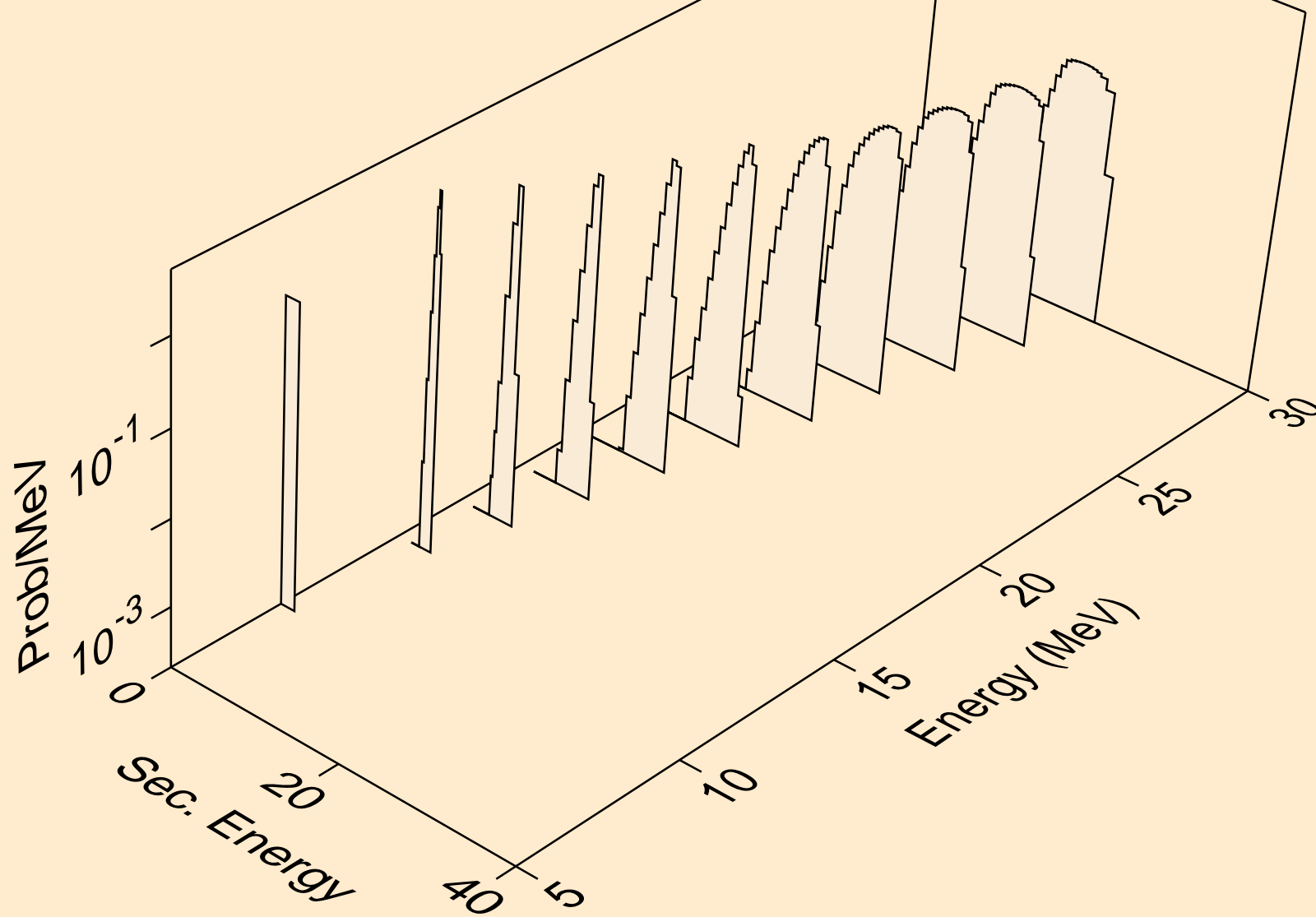


AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
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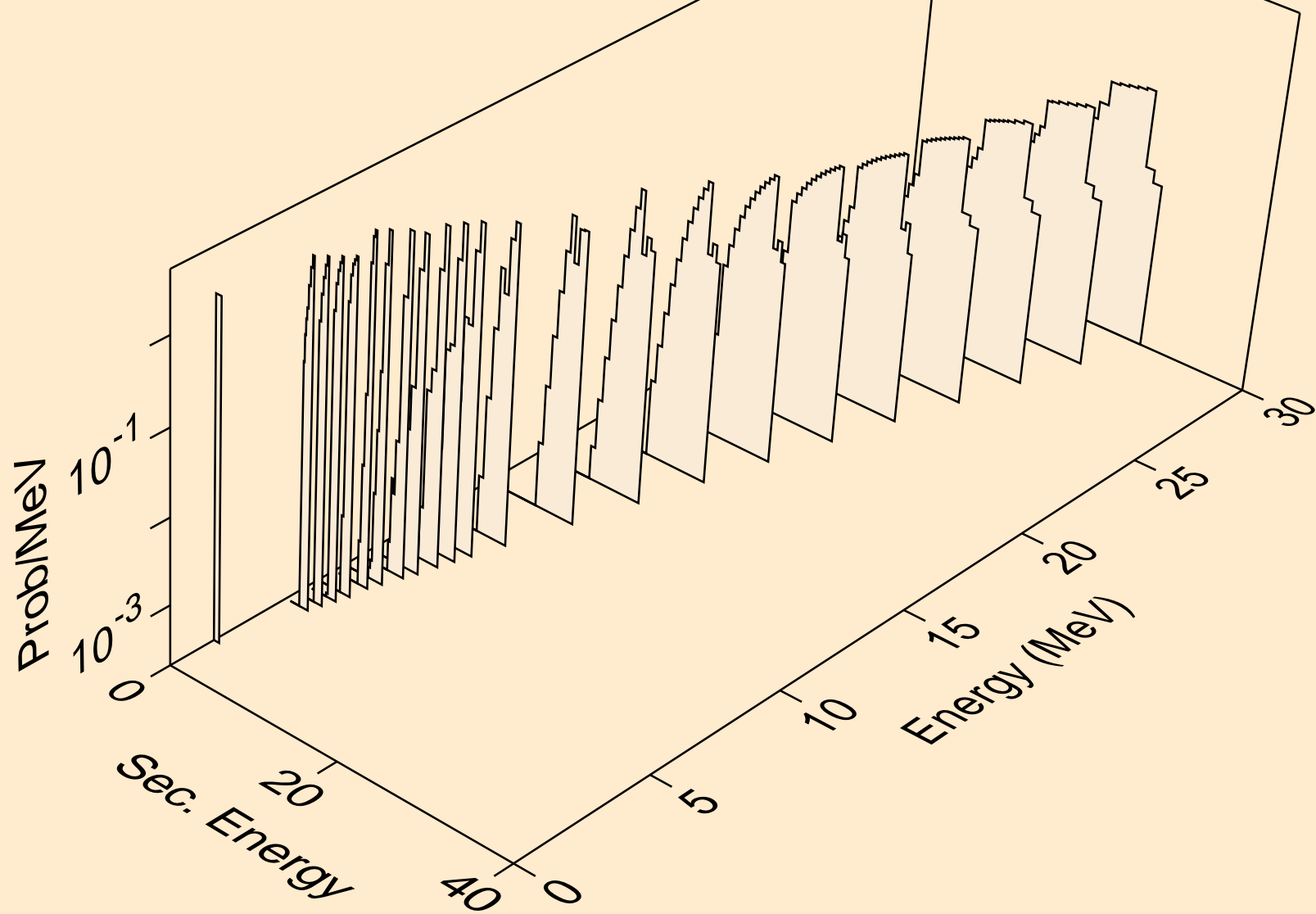




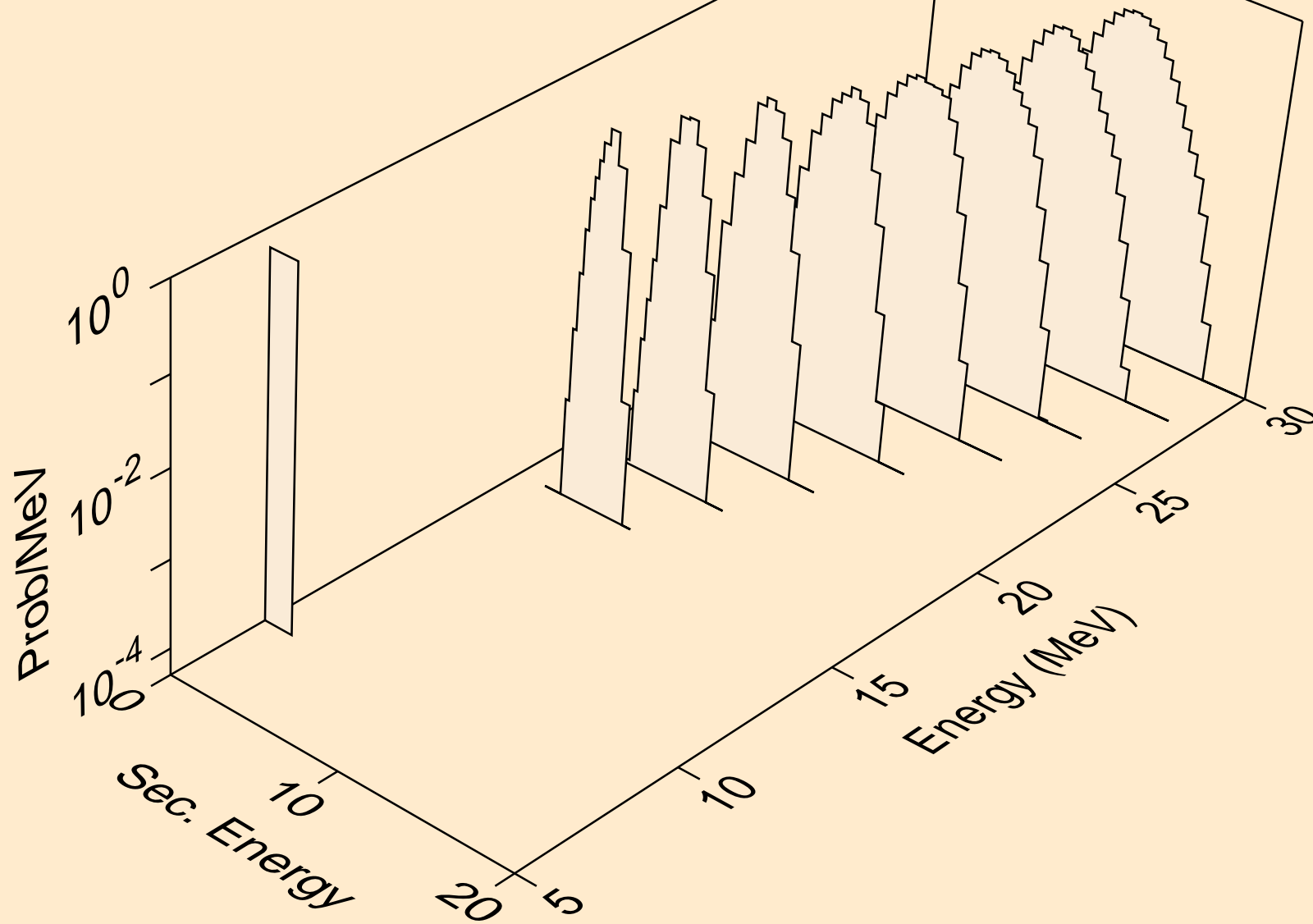
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



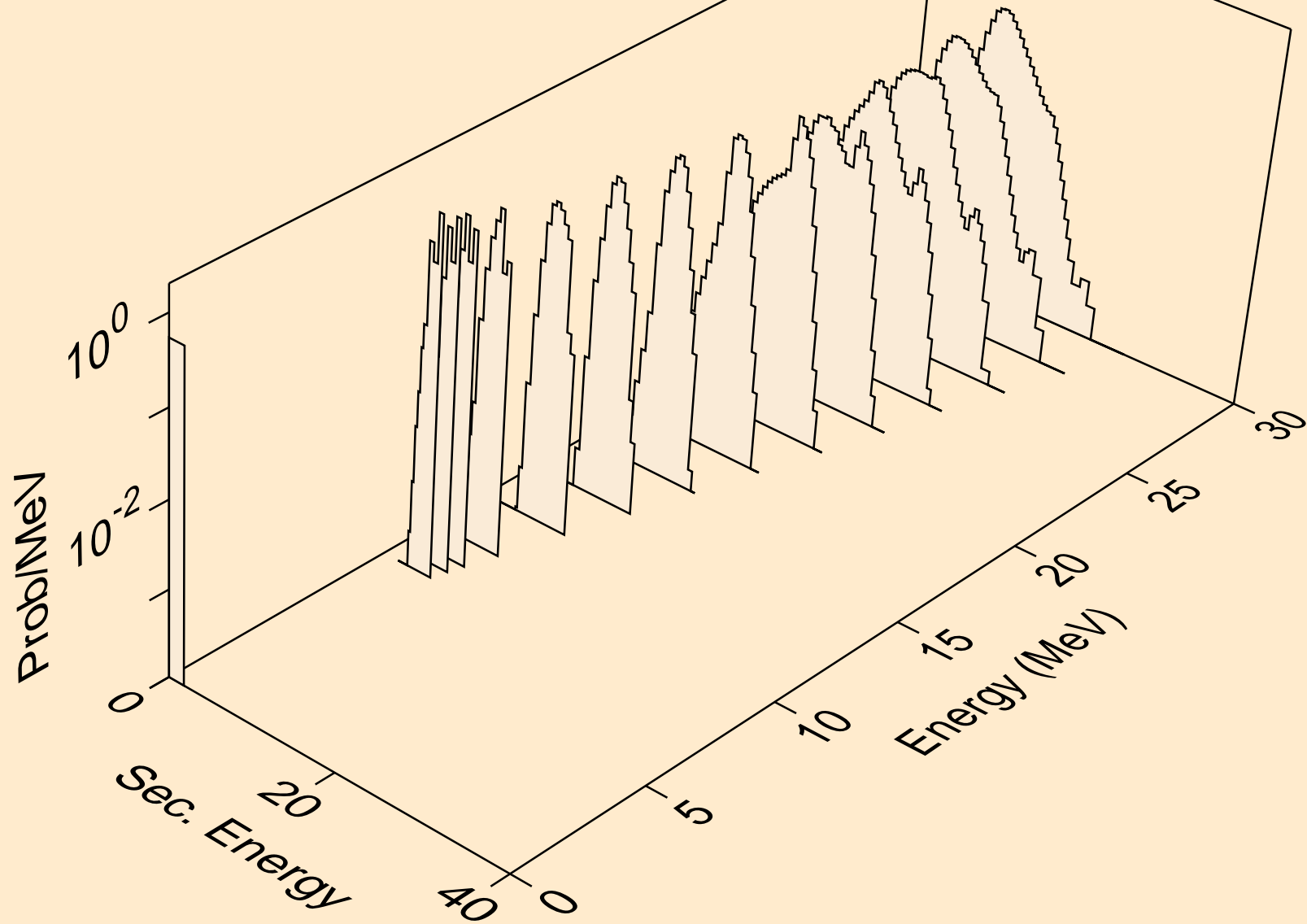
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deuterons from (n,d)



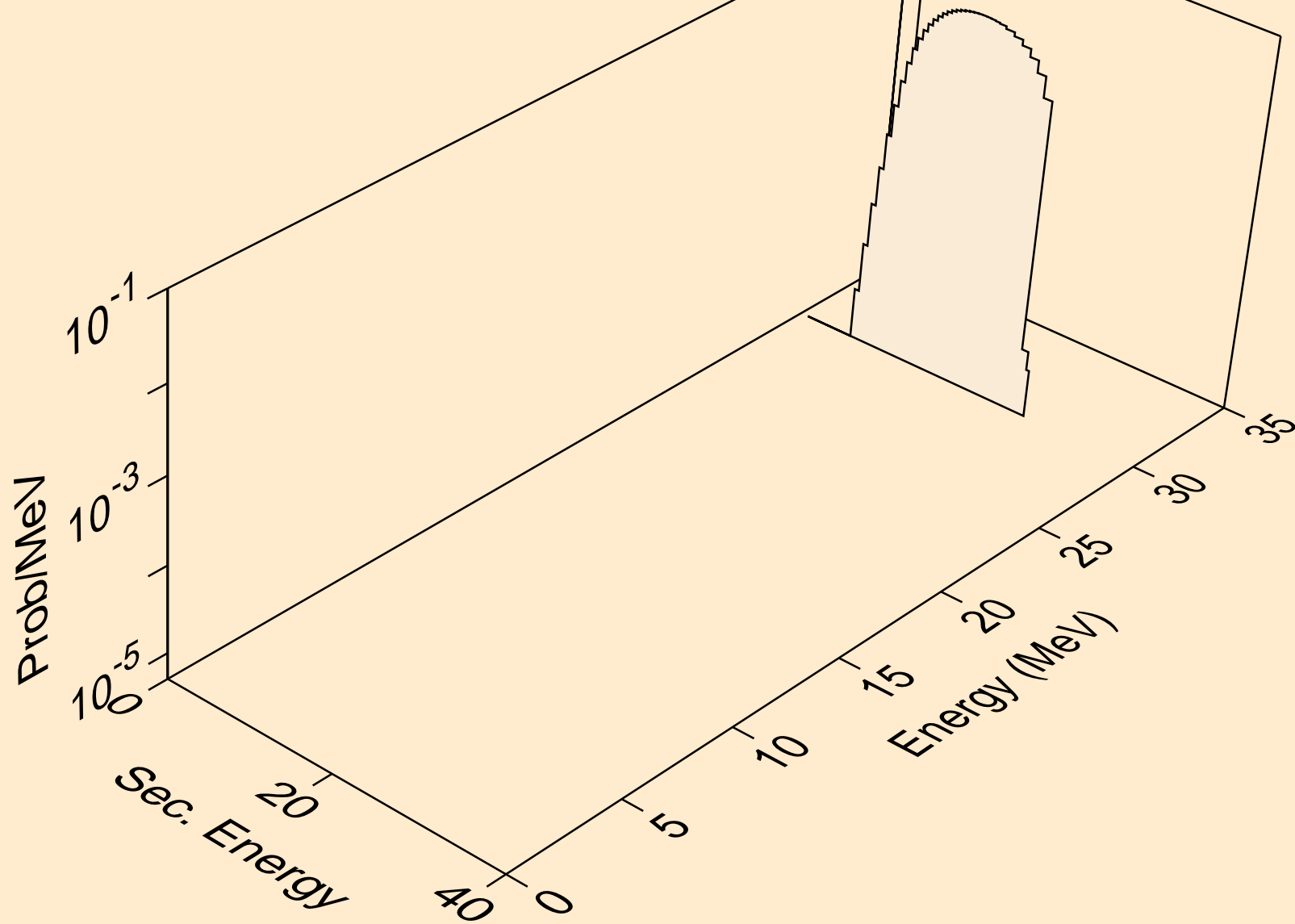
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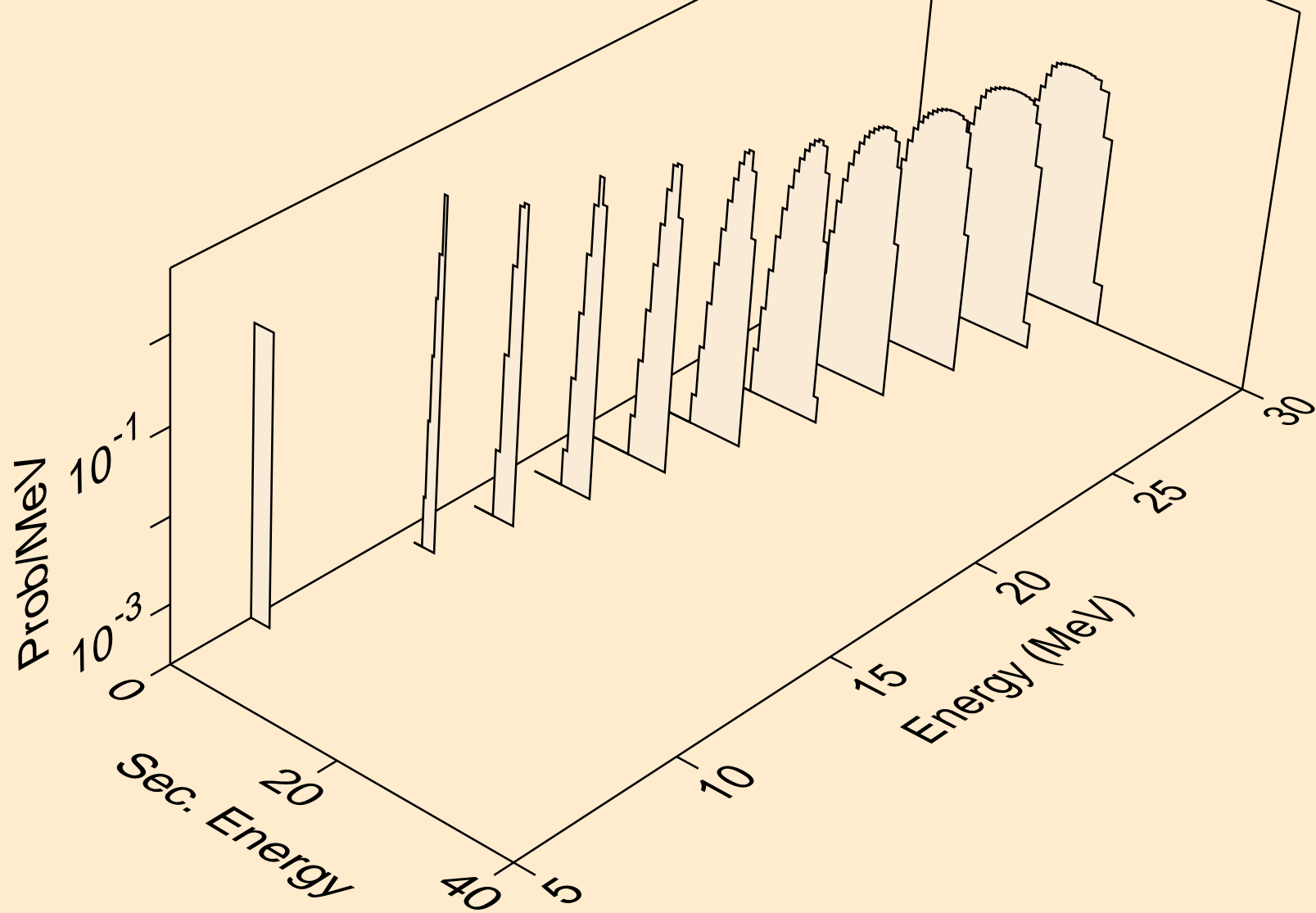
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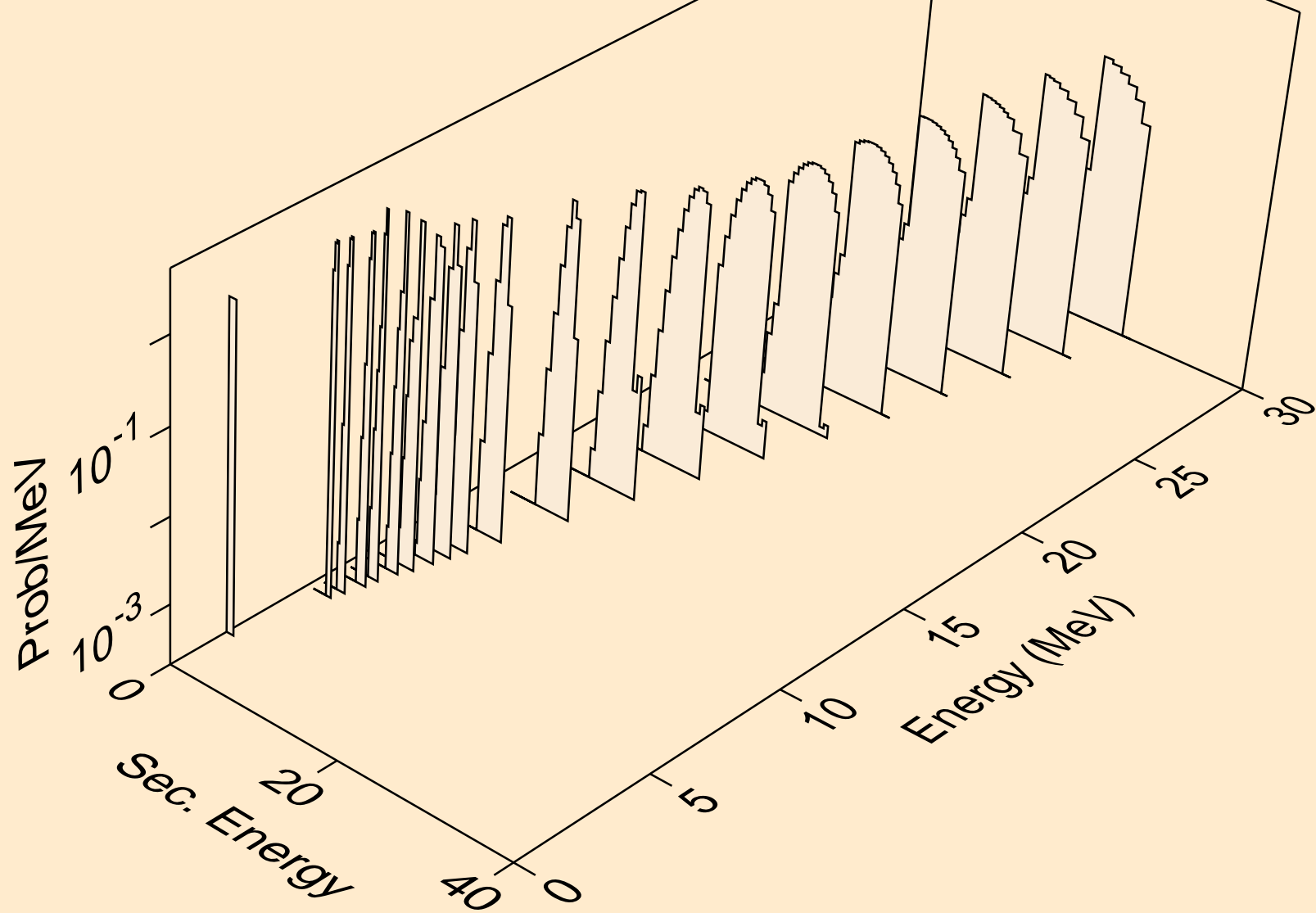
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,x)



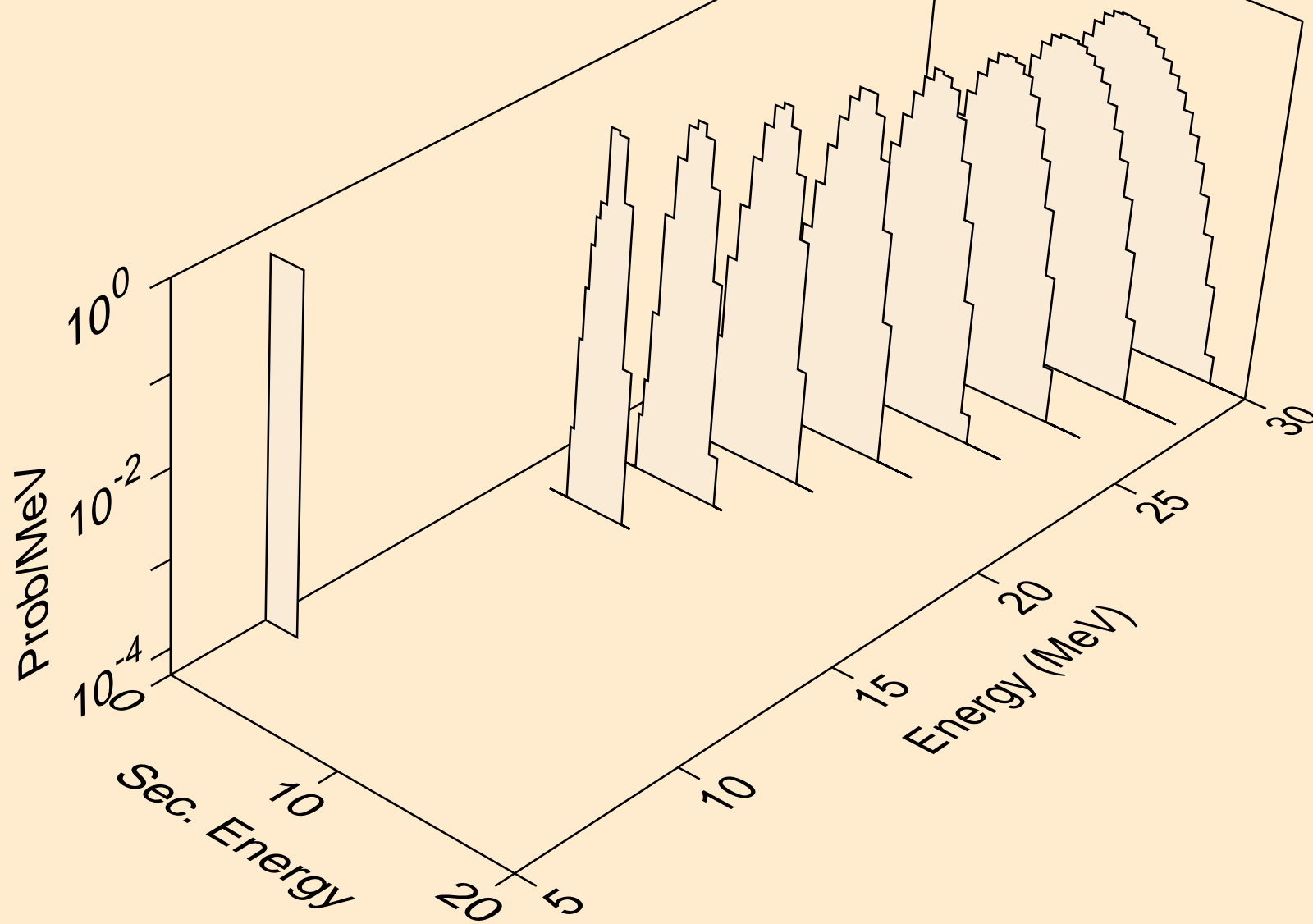
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t



AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,t)

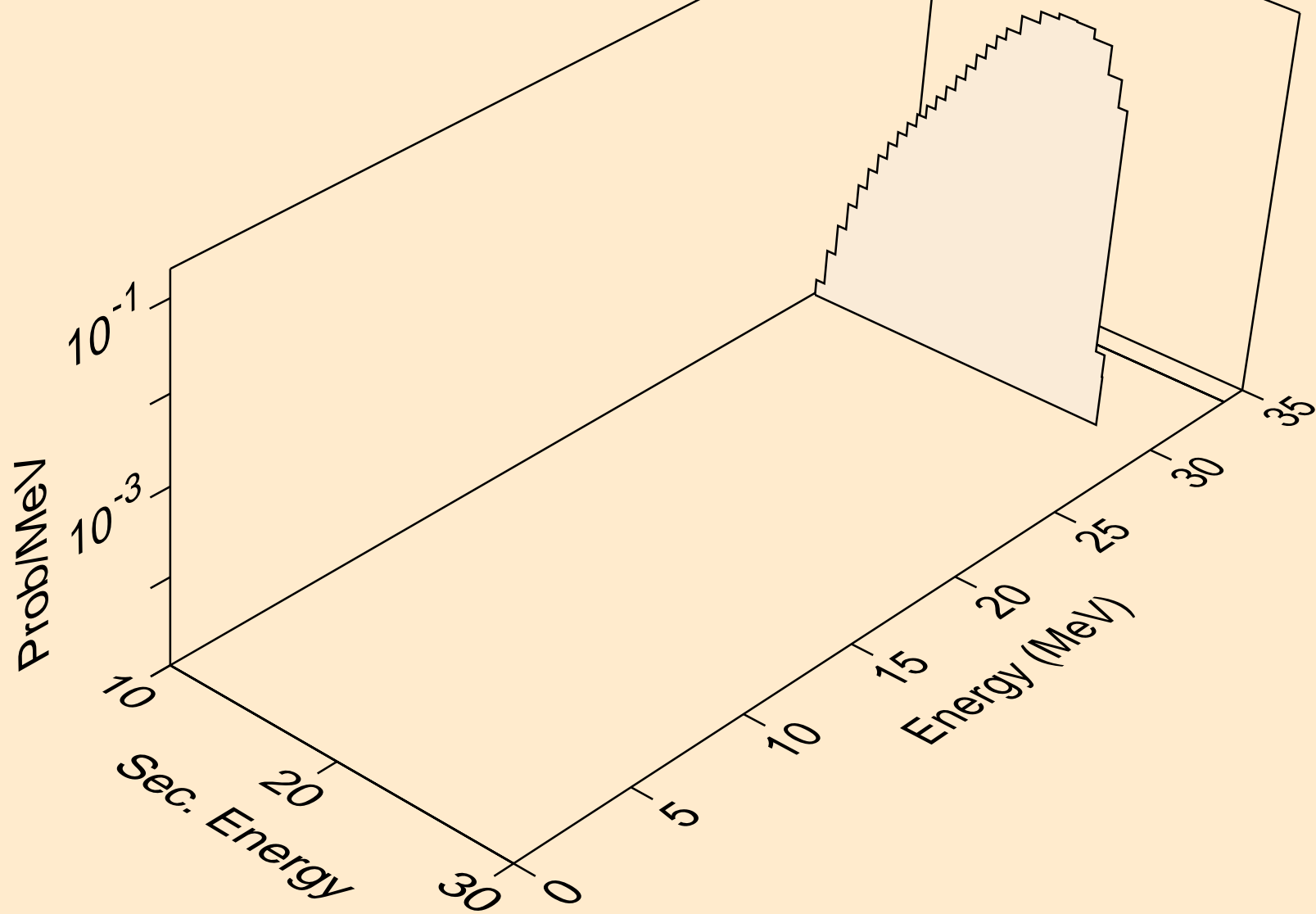


AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,pt)

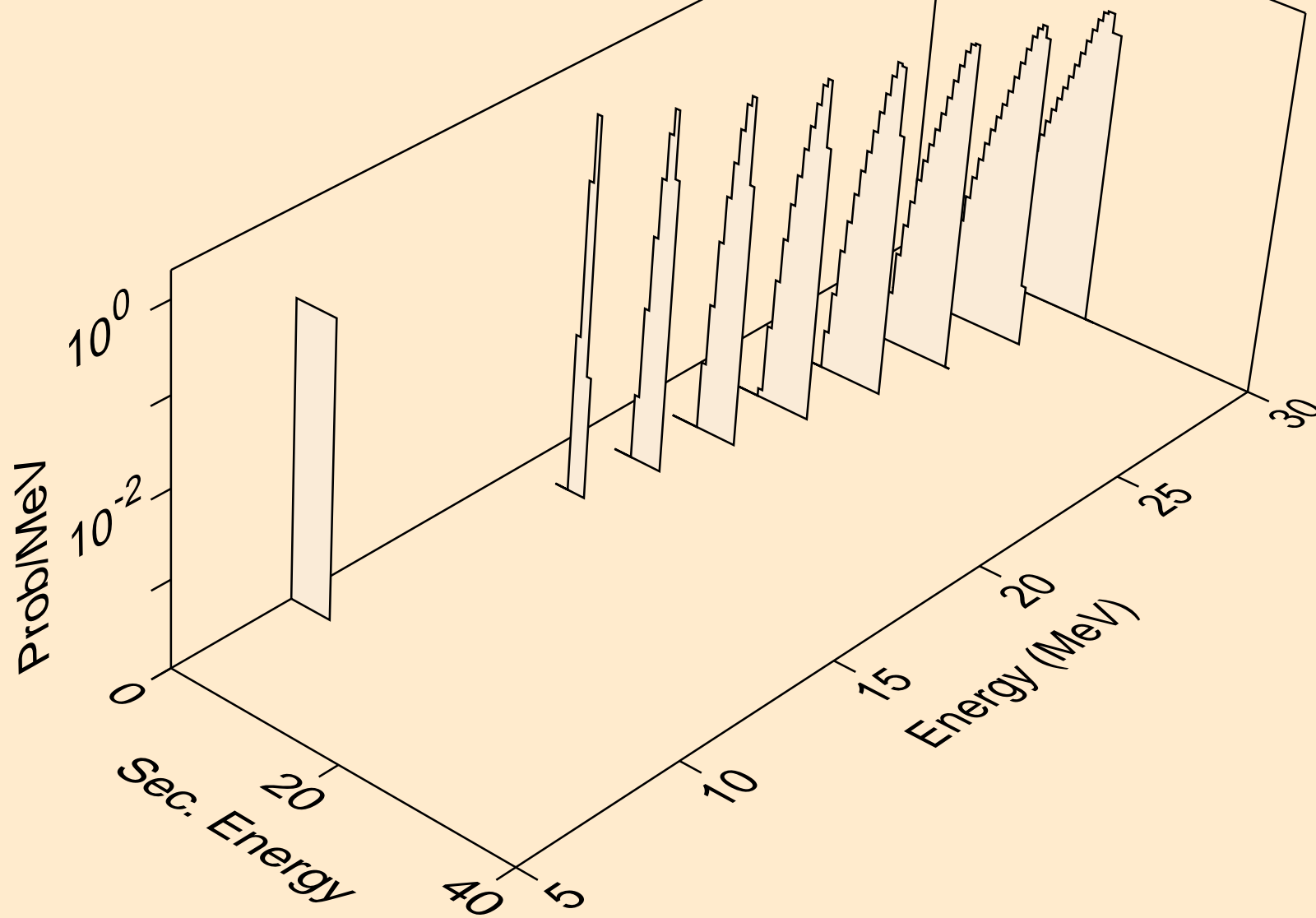




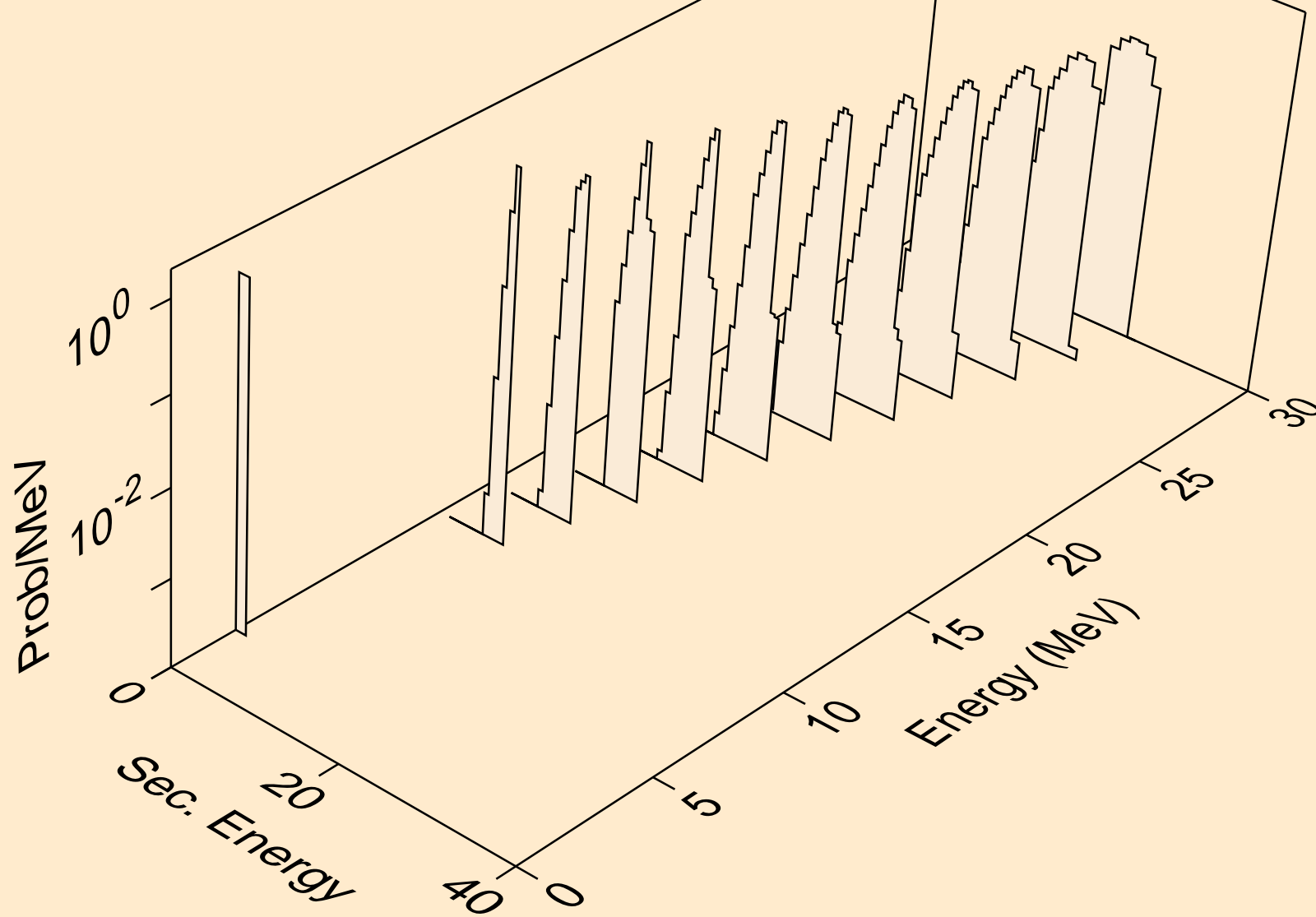
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he3s from (n,x)



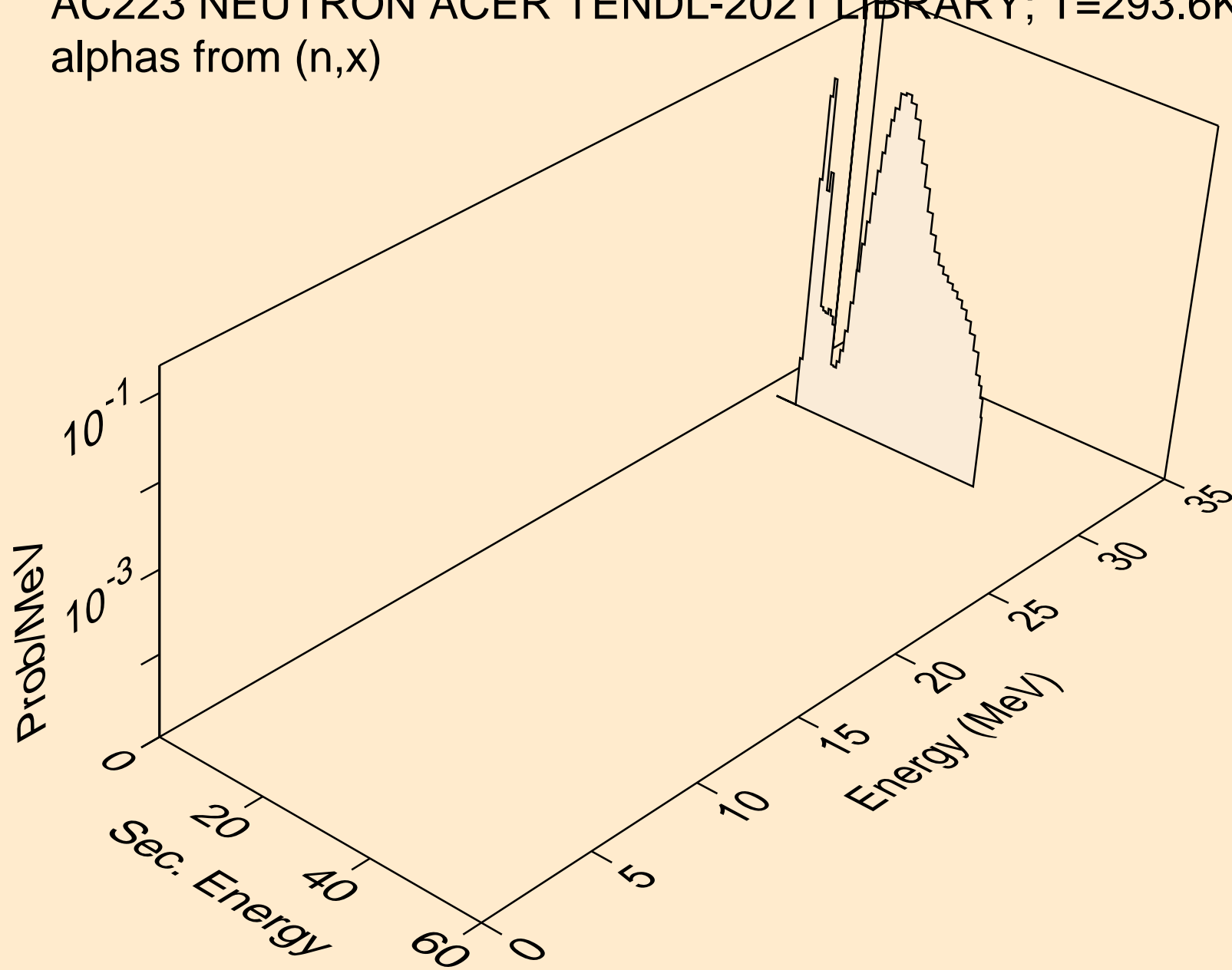
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,n\*)he3



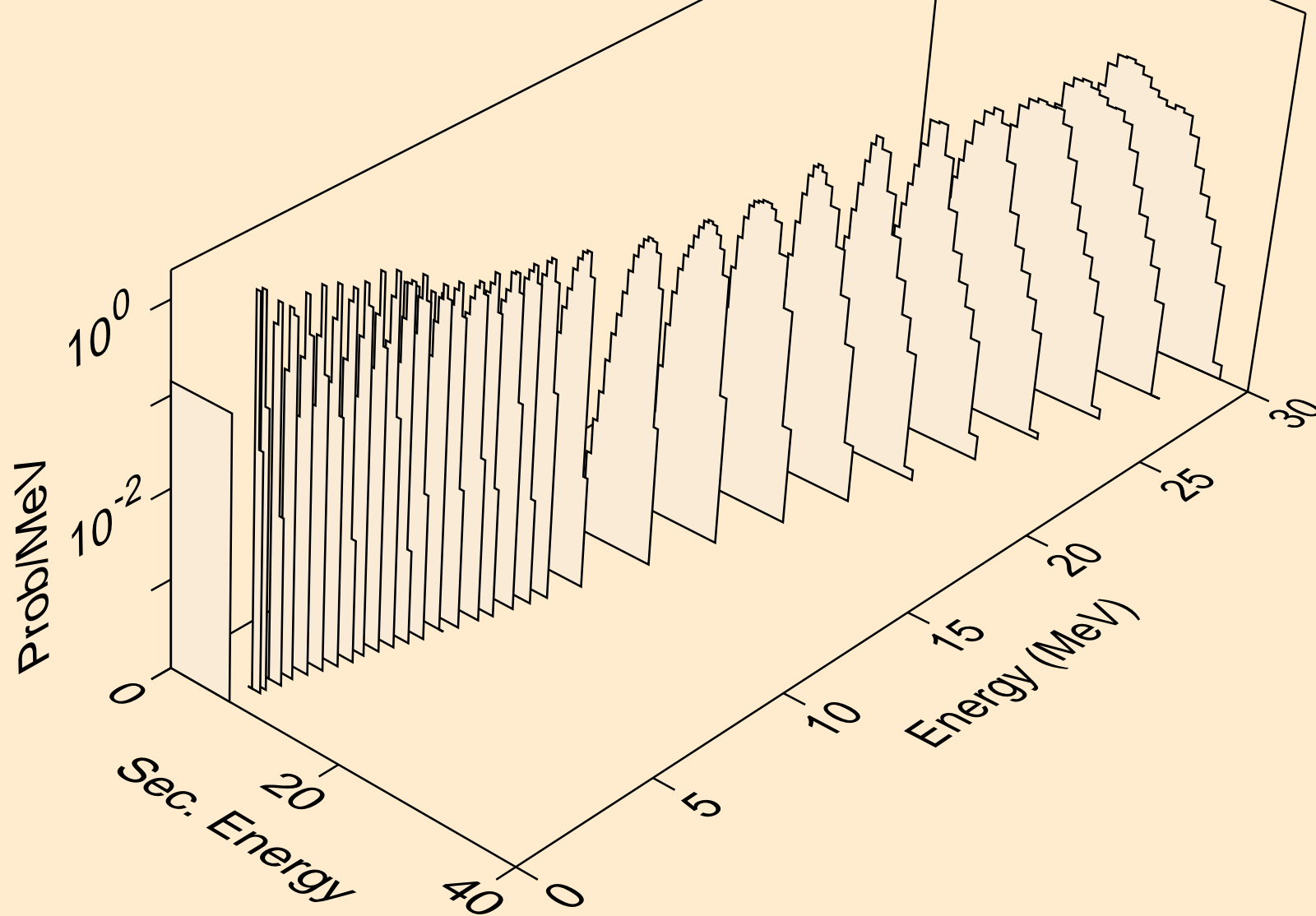
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he3s from (n,he3)



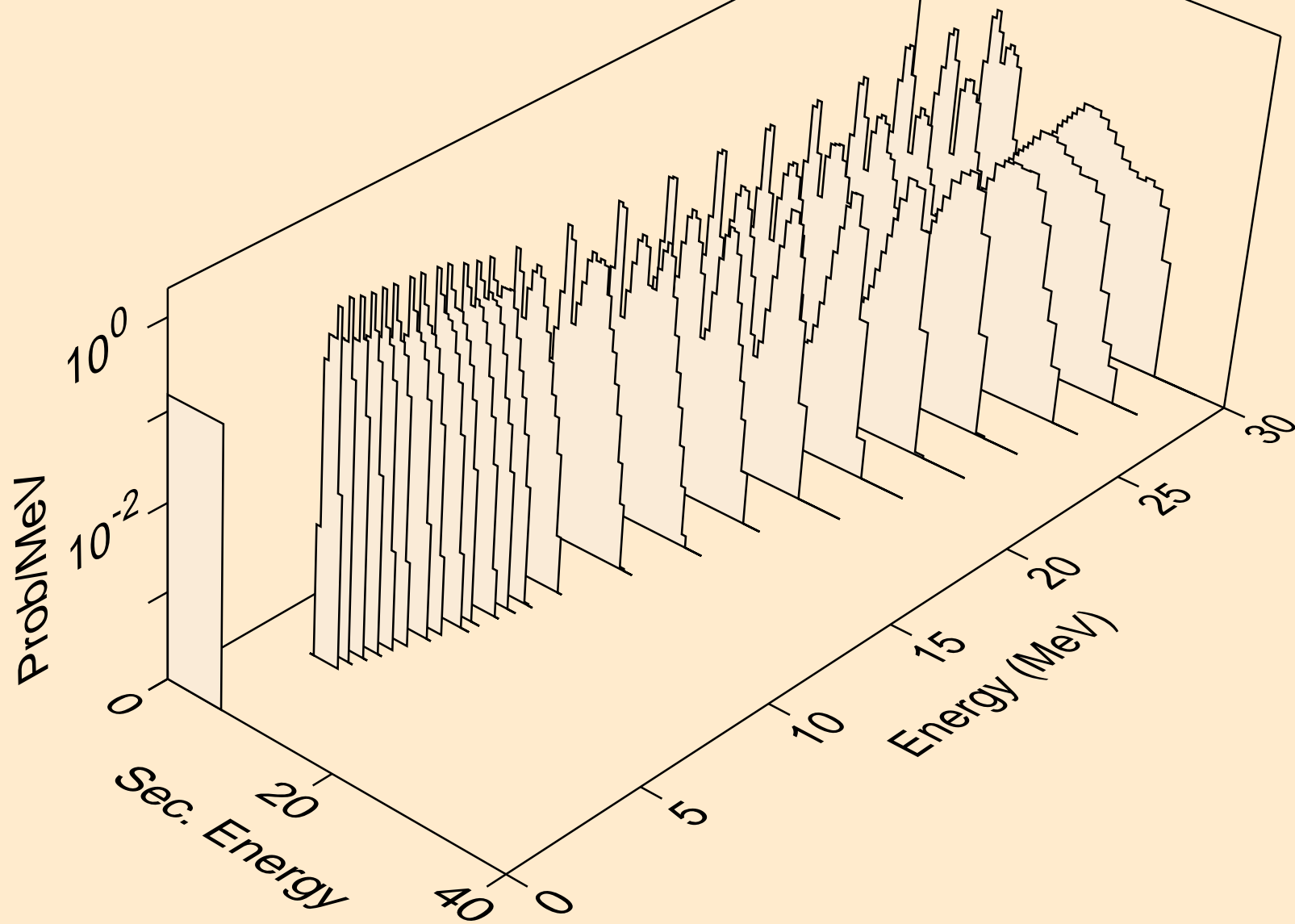
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)



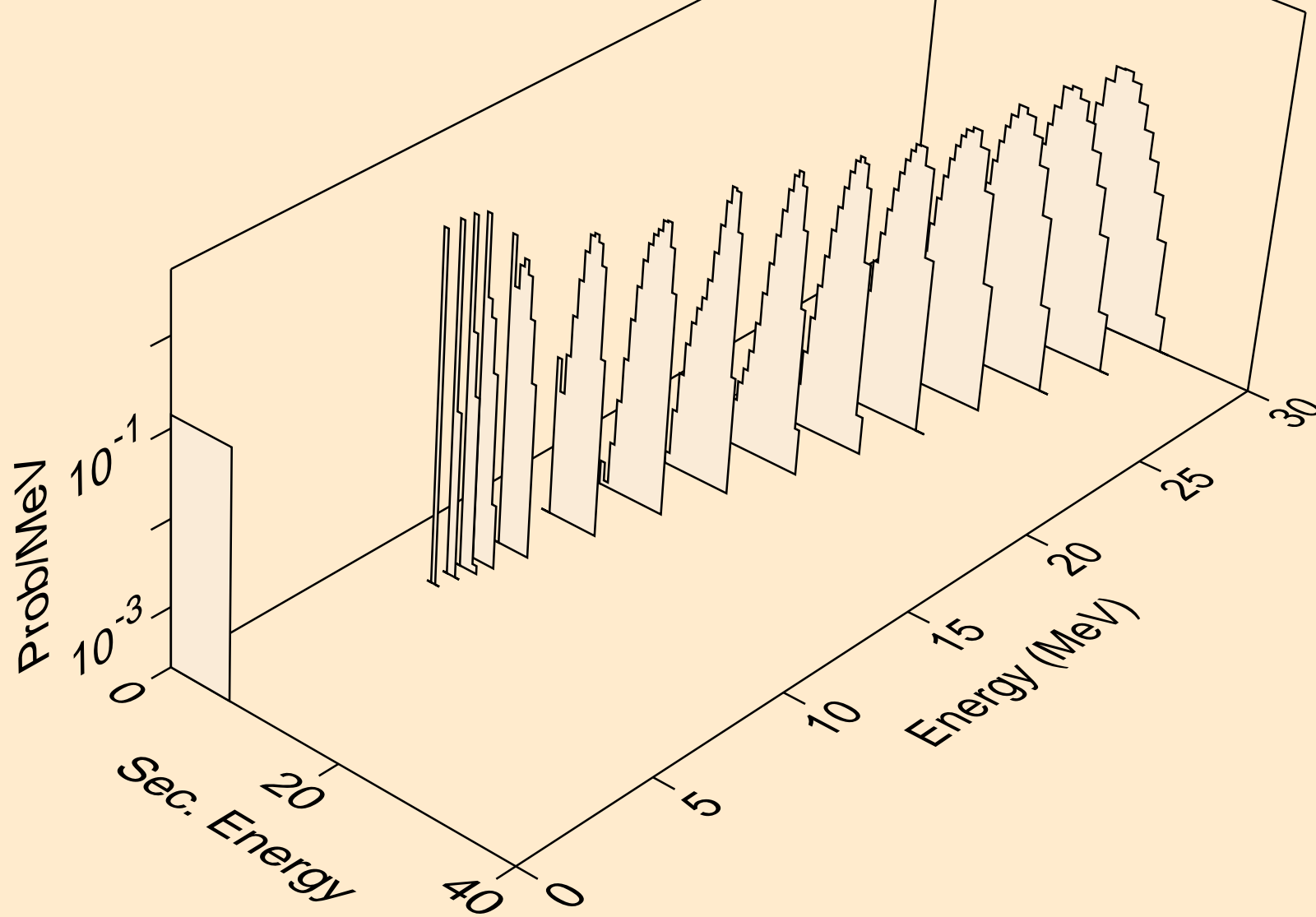
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a



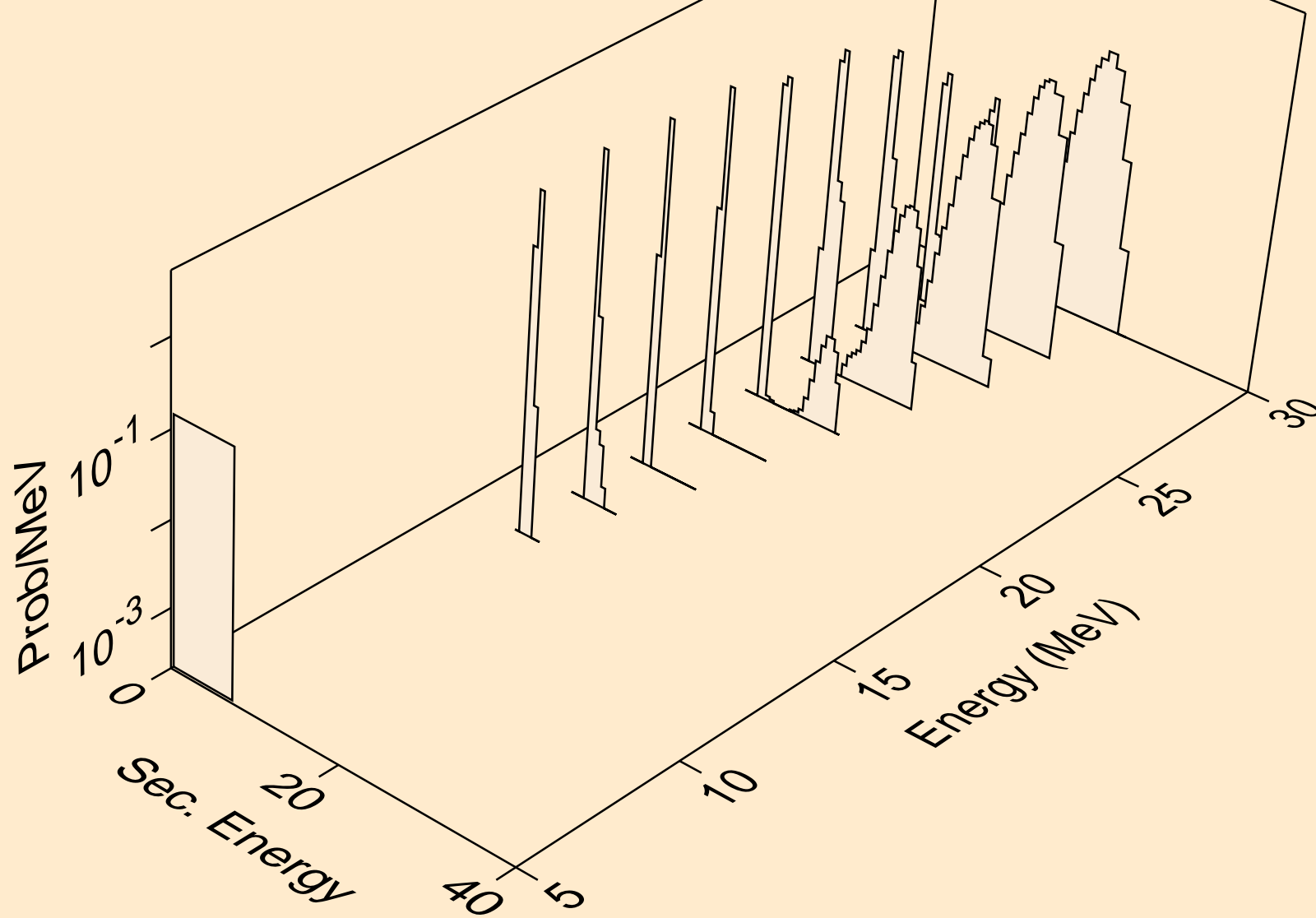
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)3a



AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a

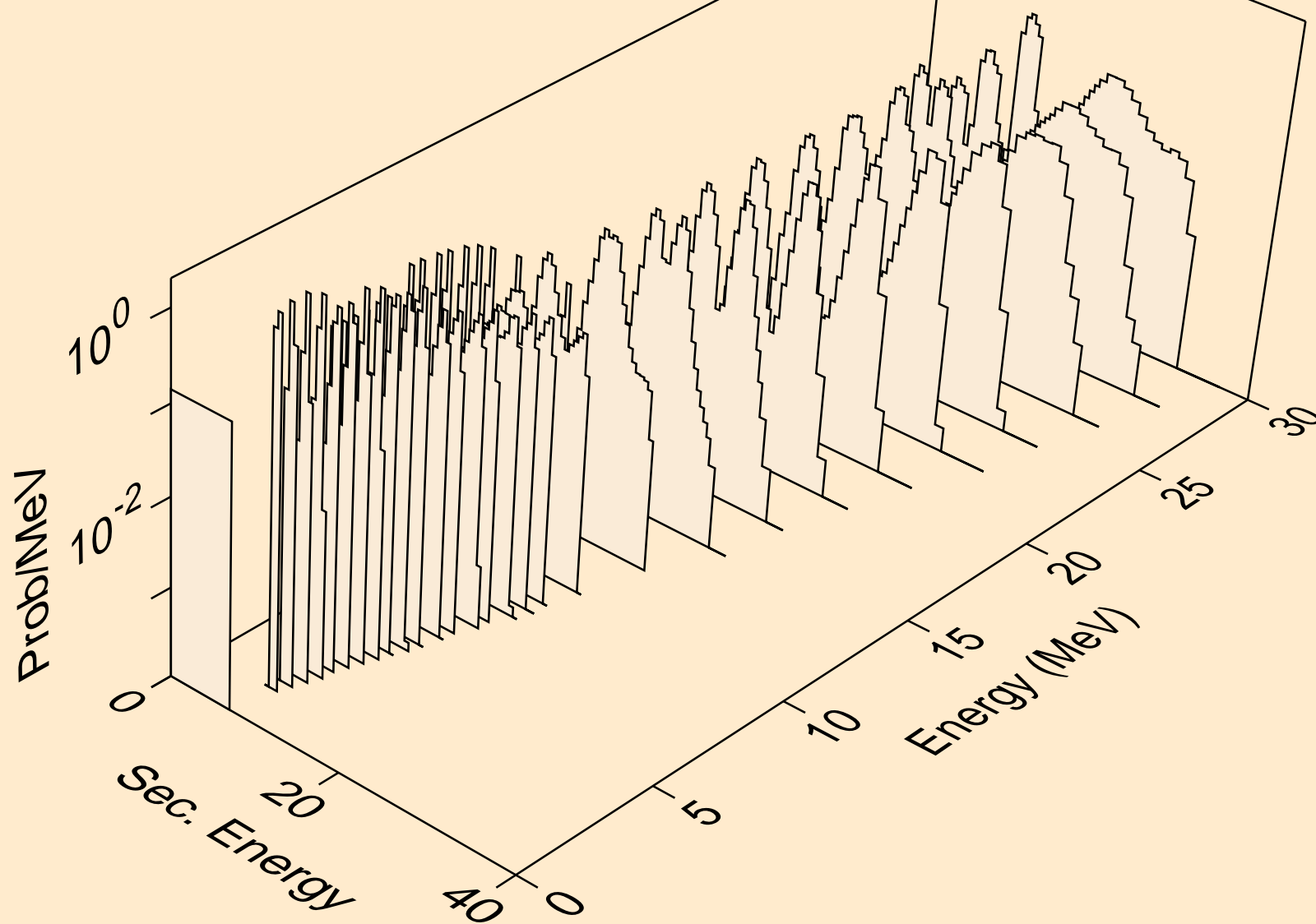


AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3n)a

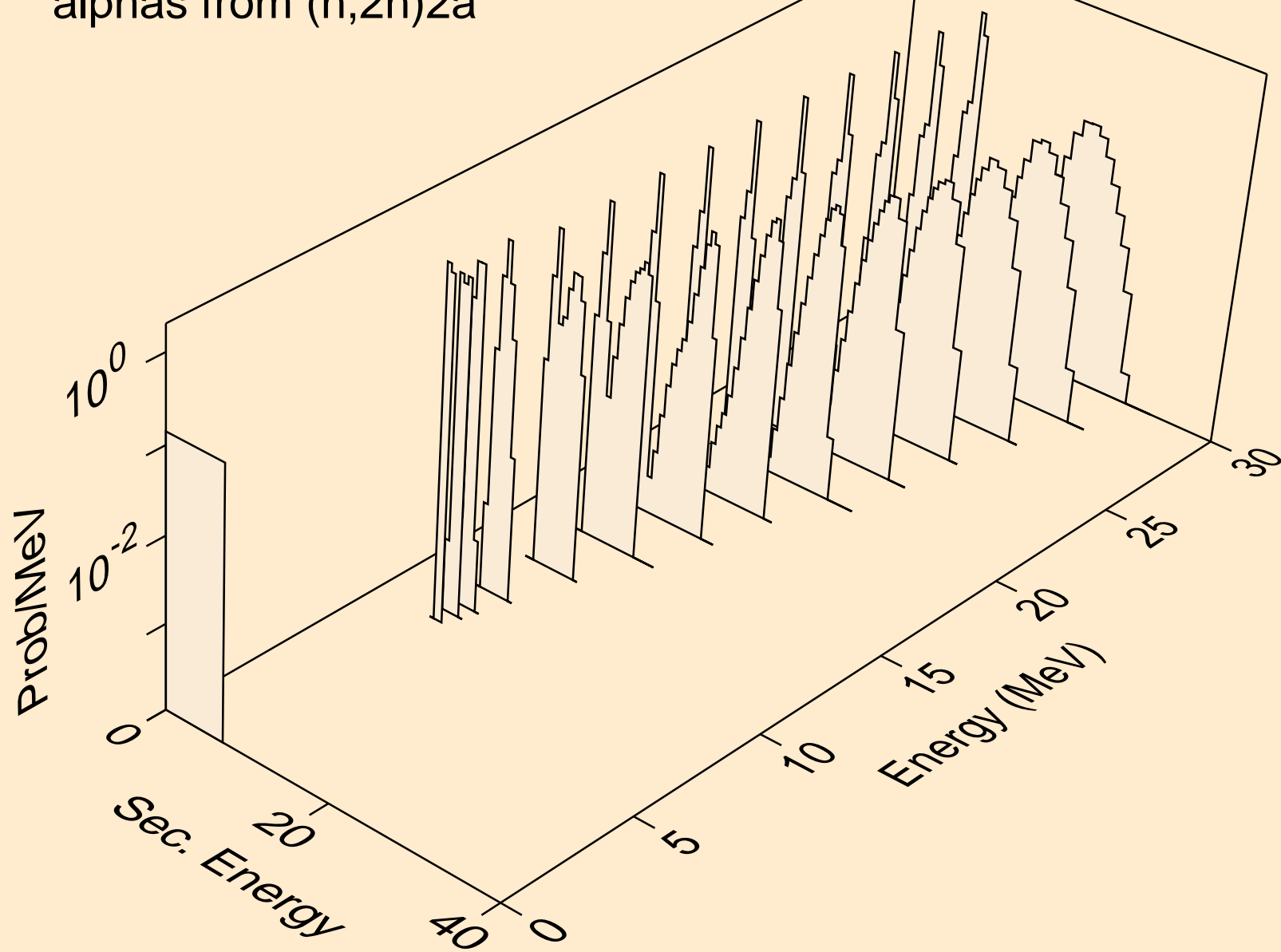




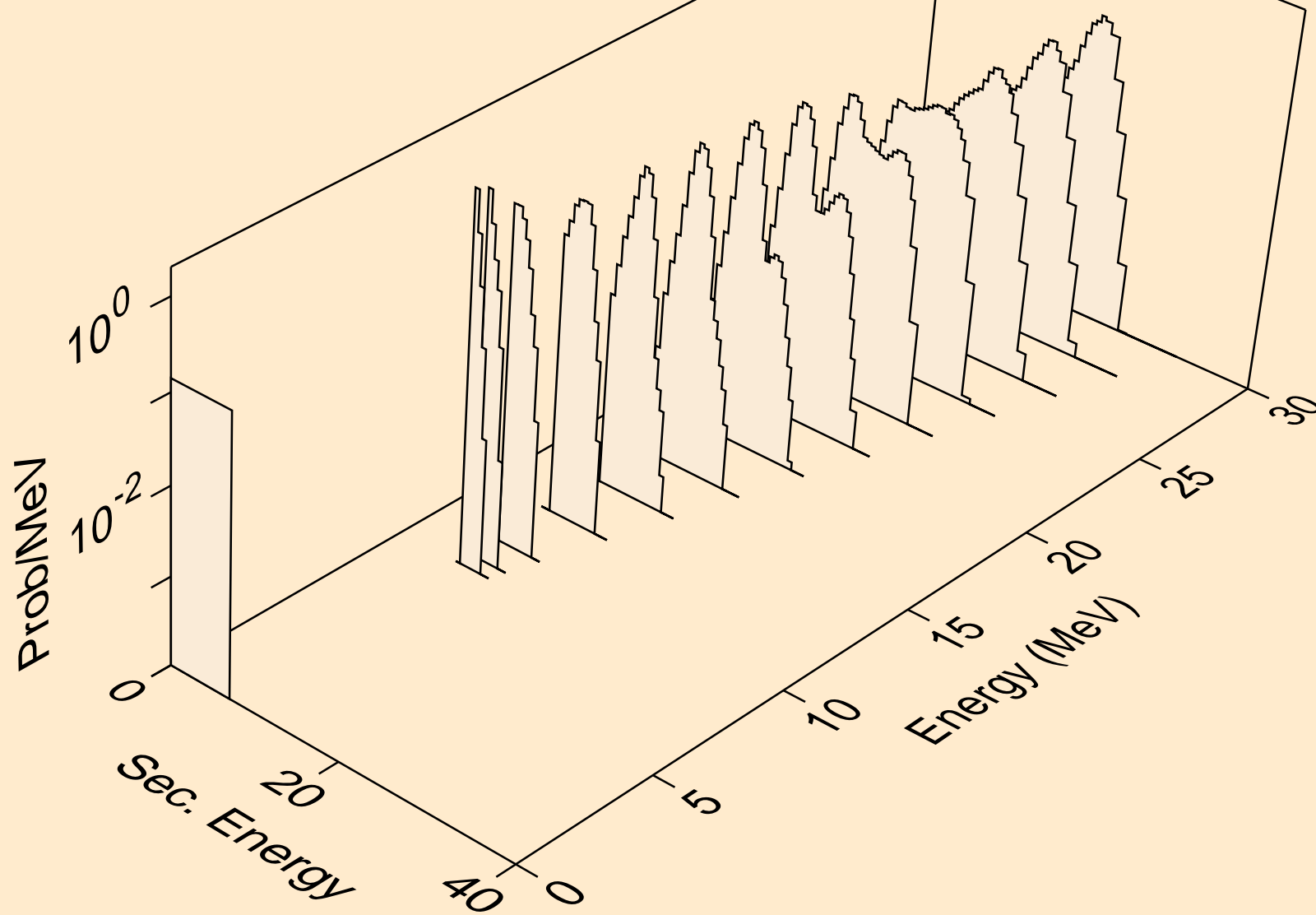
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alphas from (n,n\*)2a



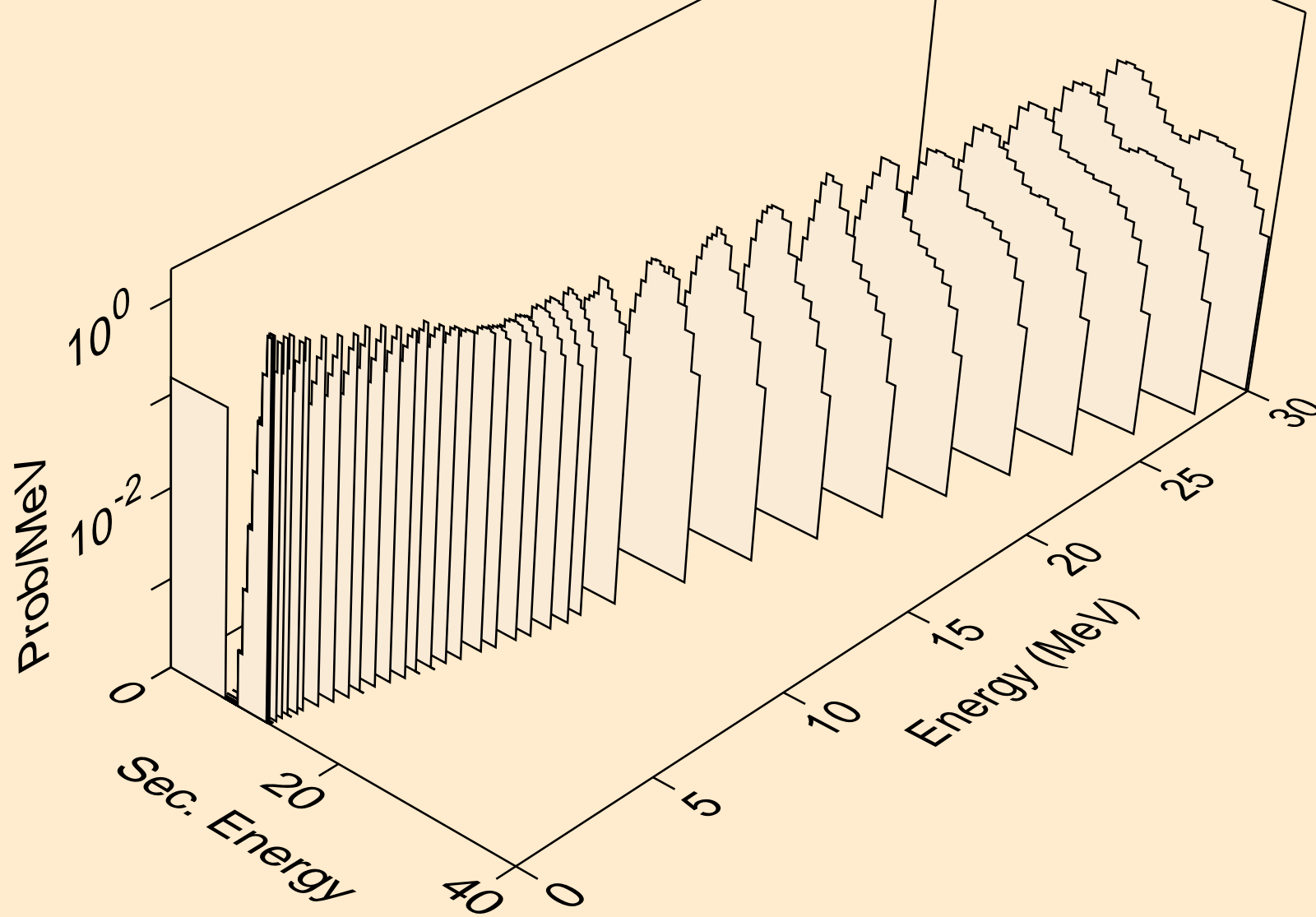
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)2a



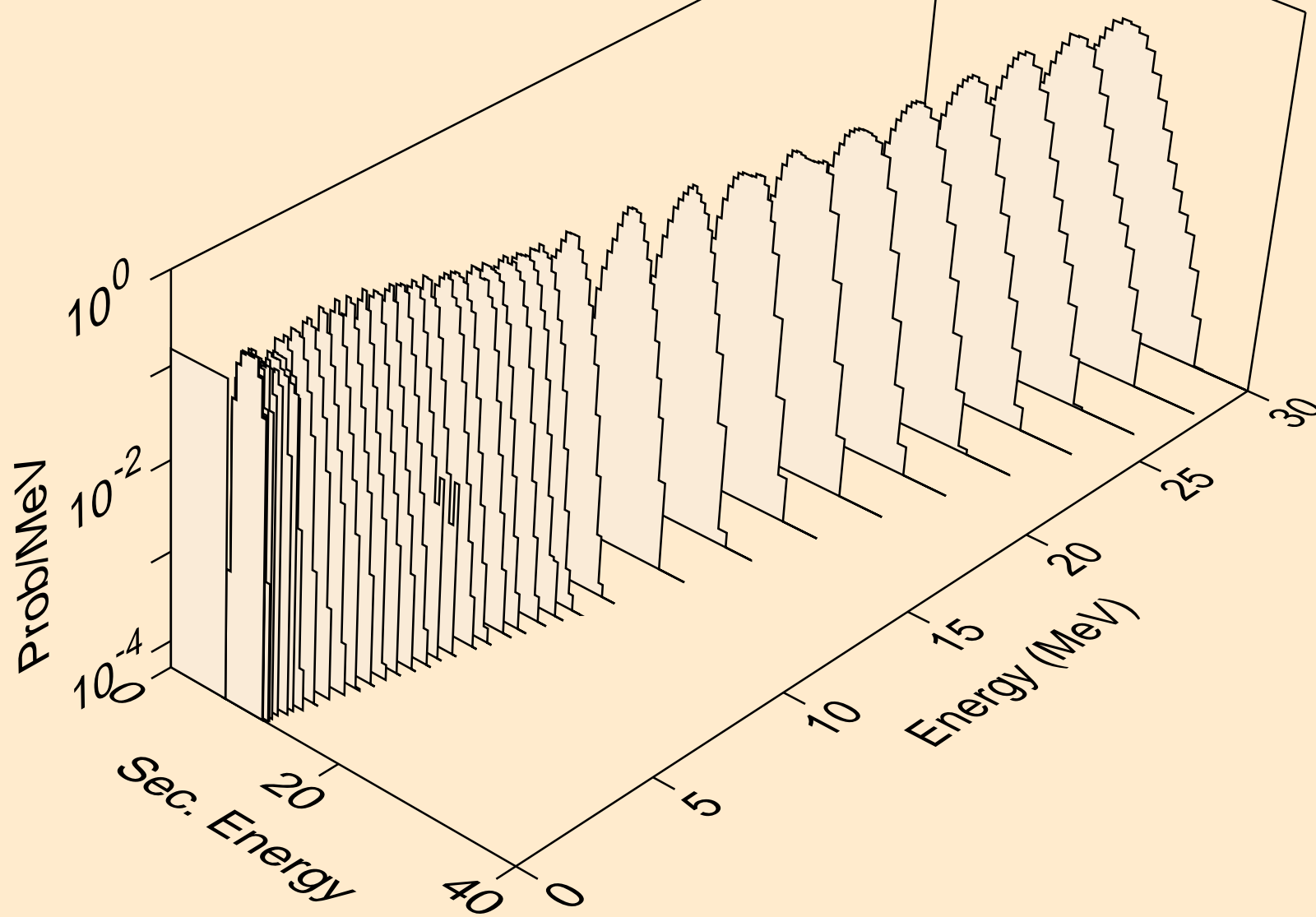
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alphas from (n,npa)



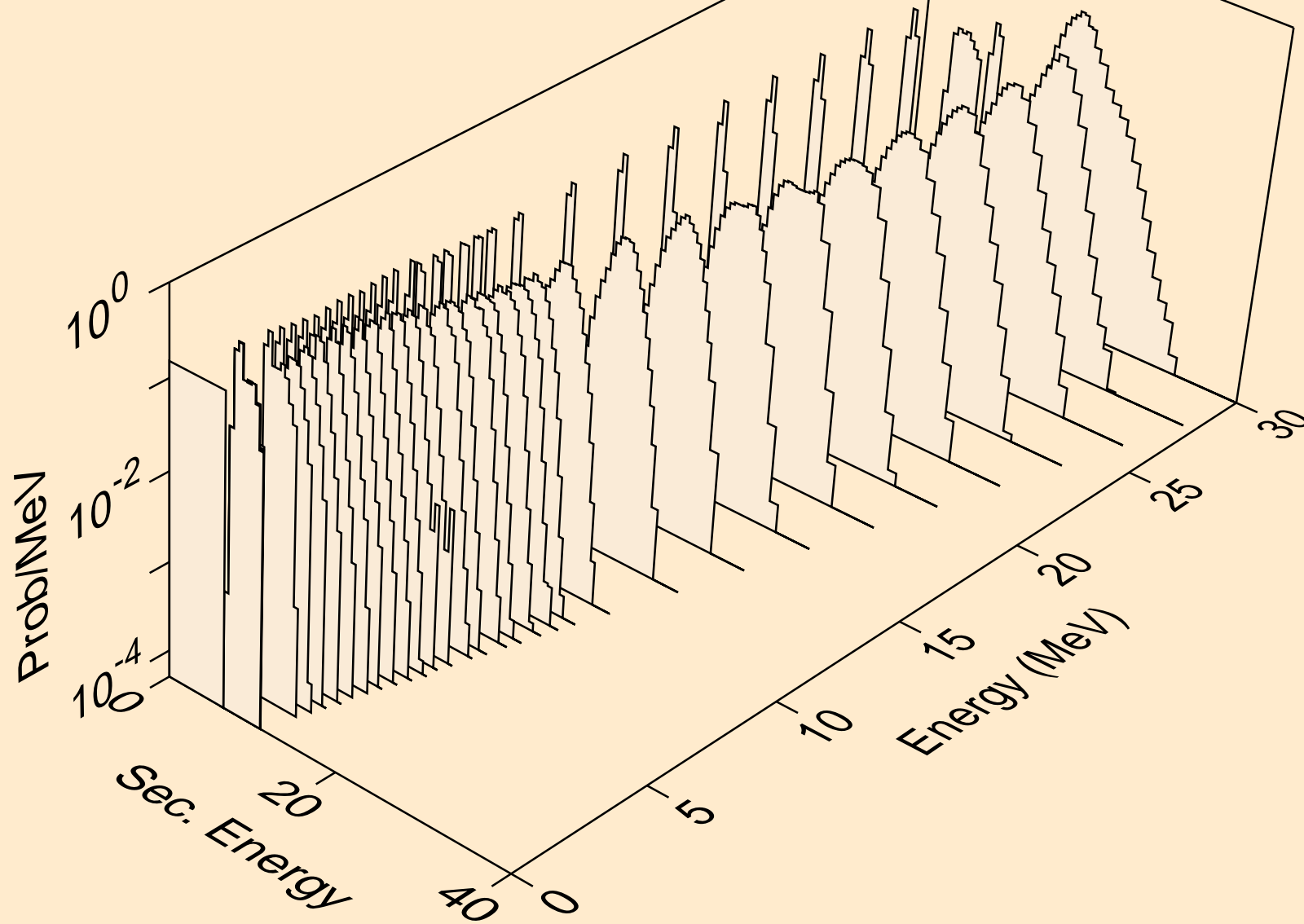
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)



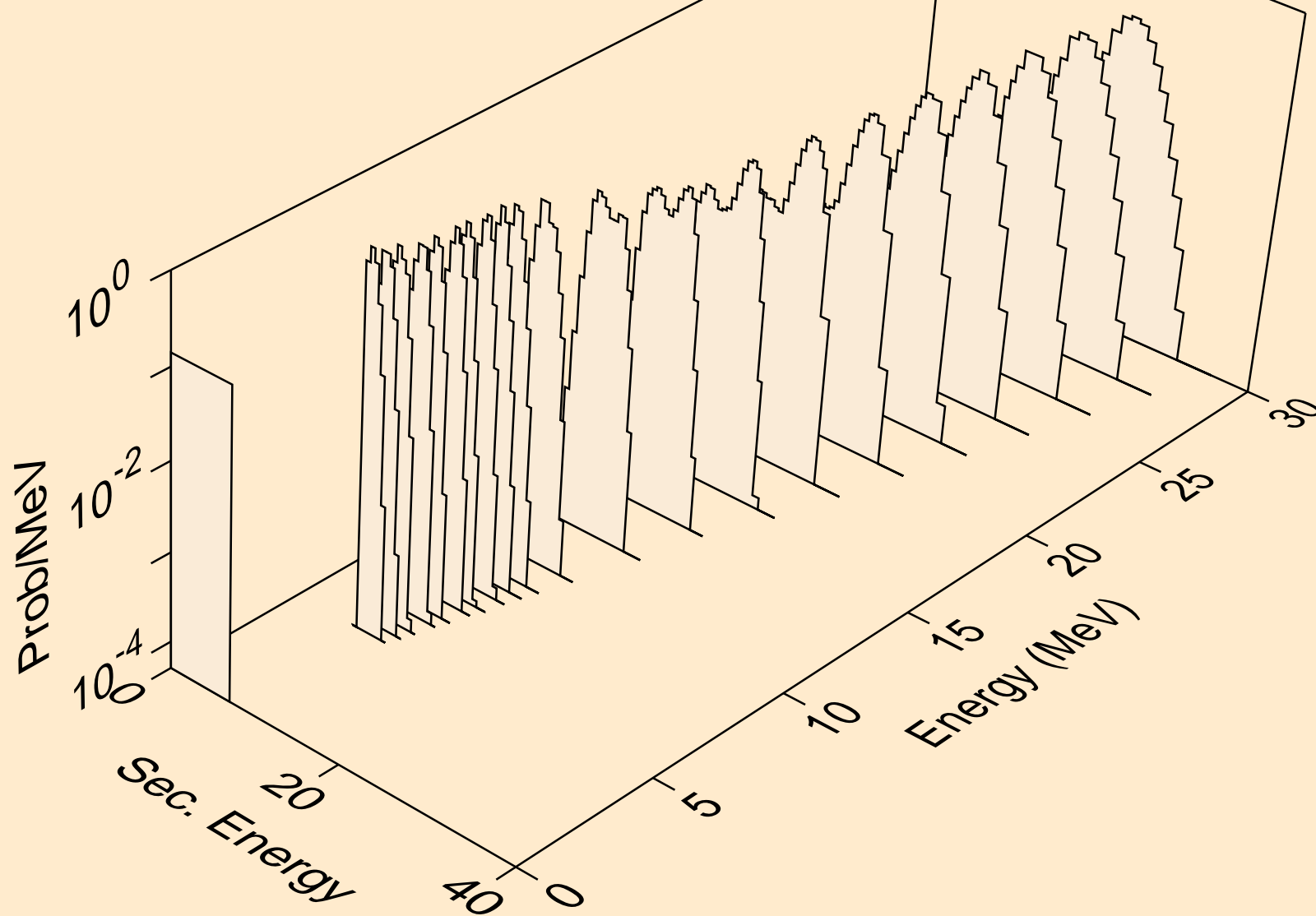
AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3a)



AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)



AC223 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

