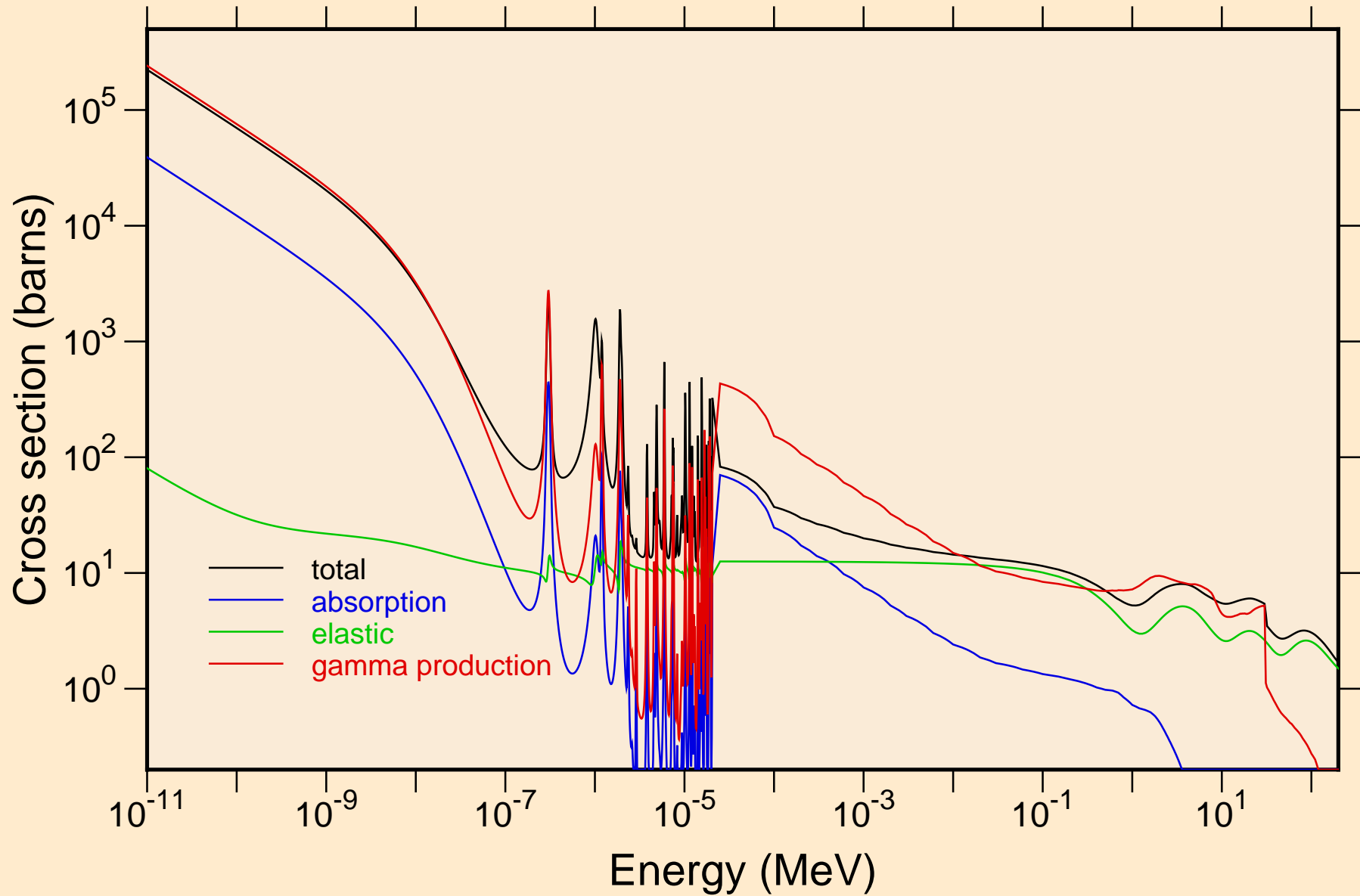
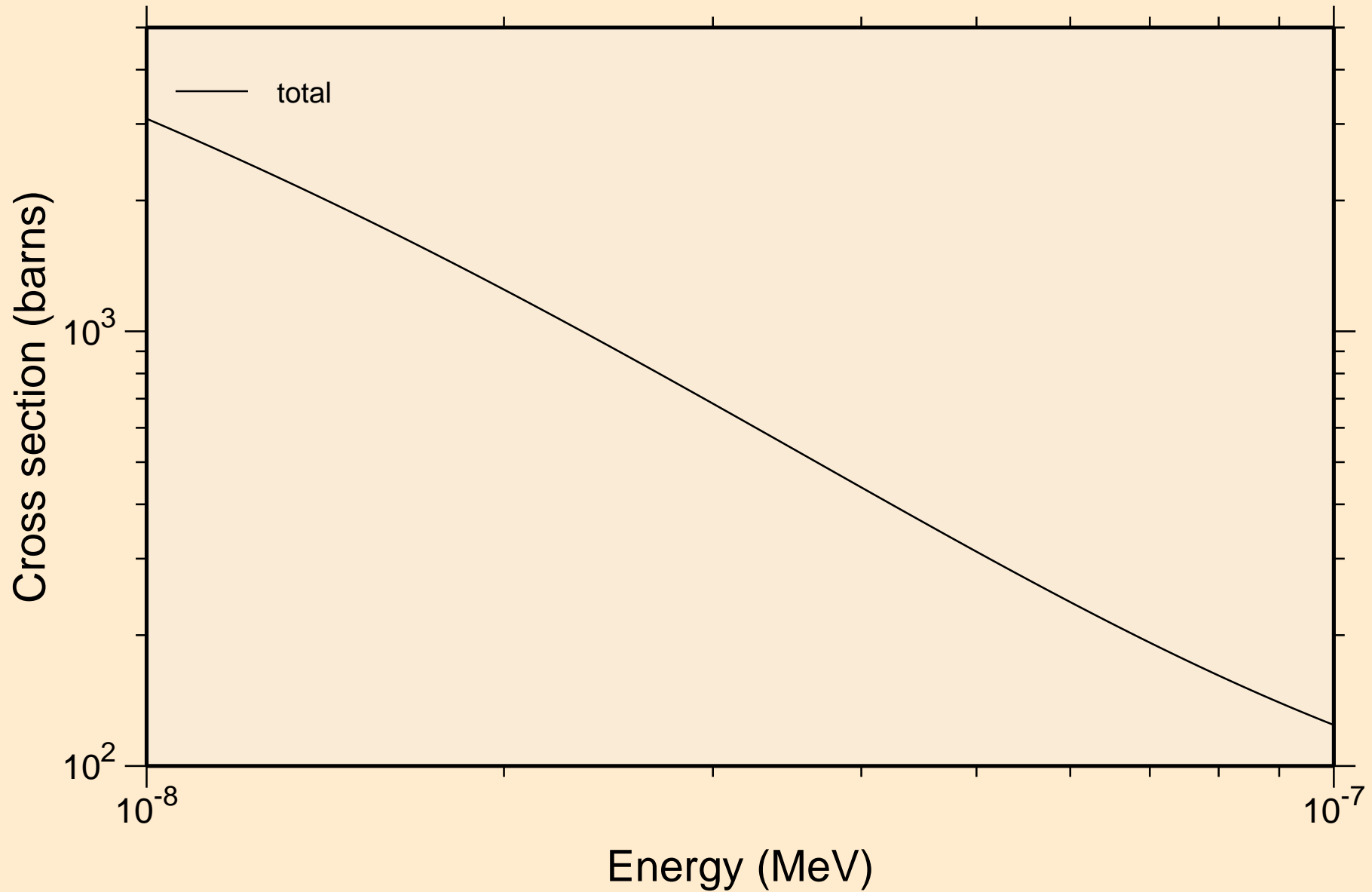


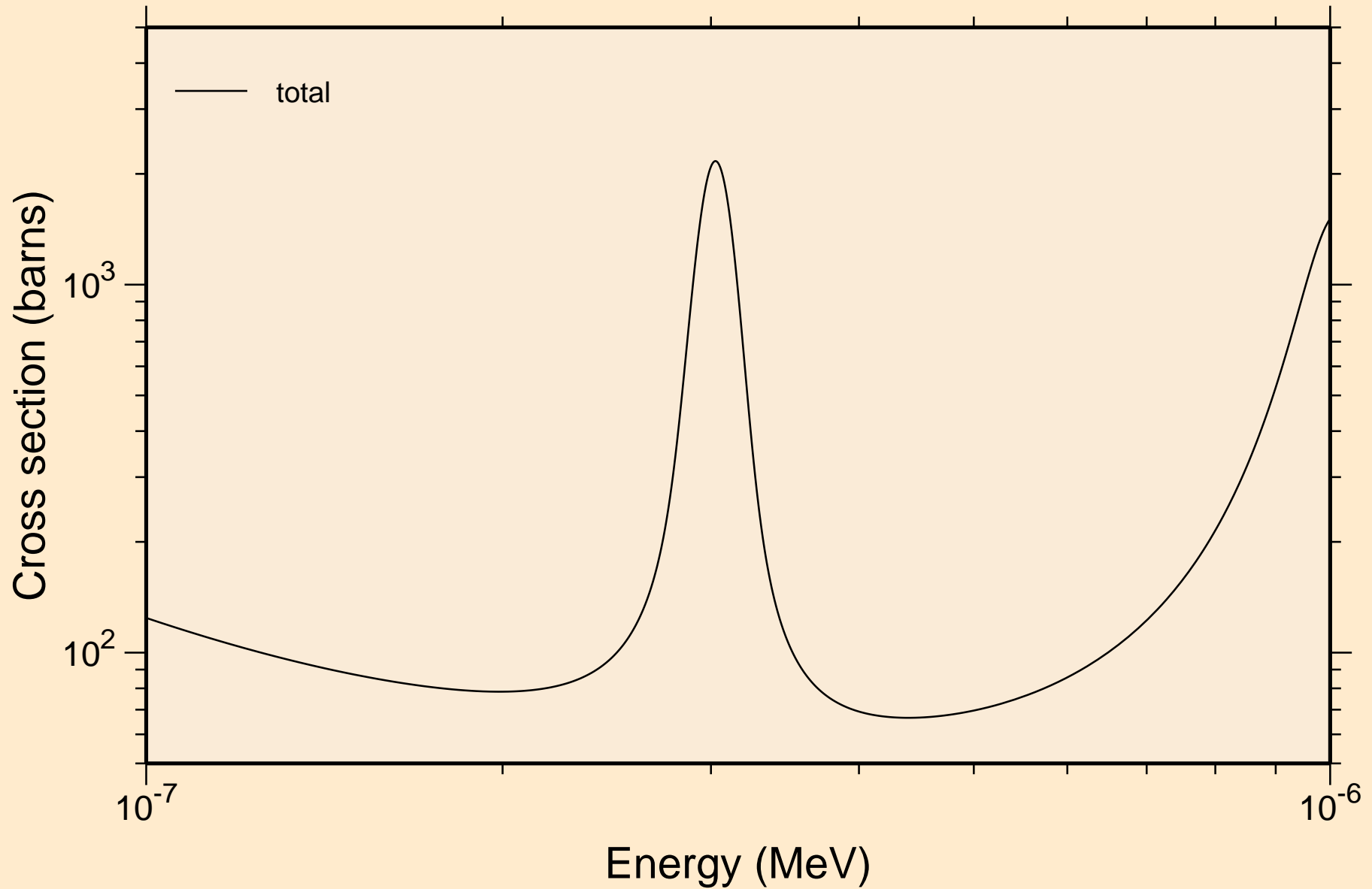
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Principal cross sections



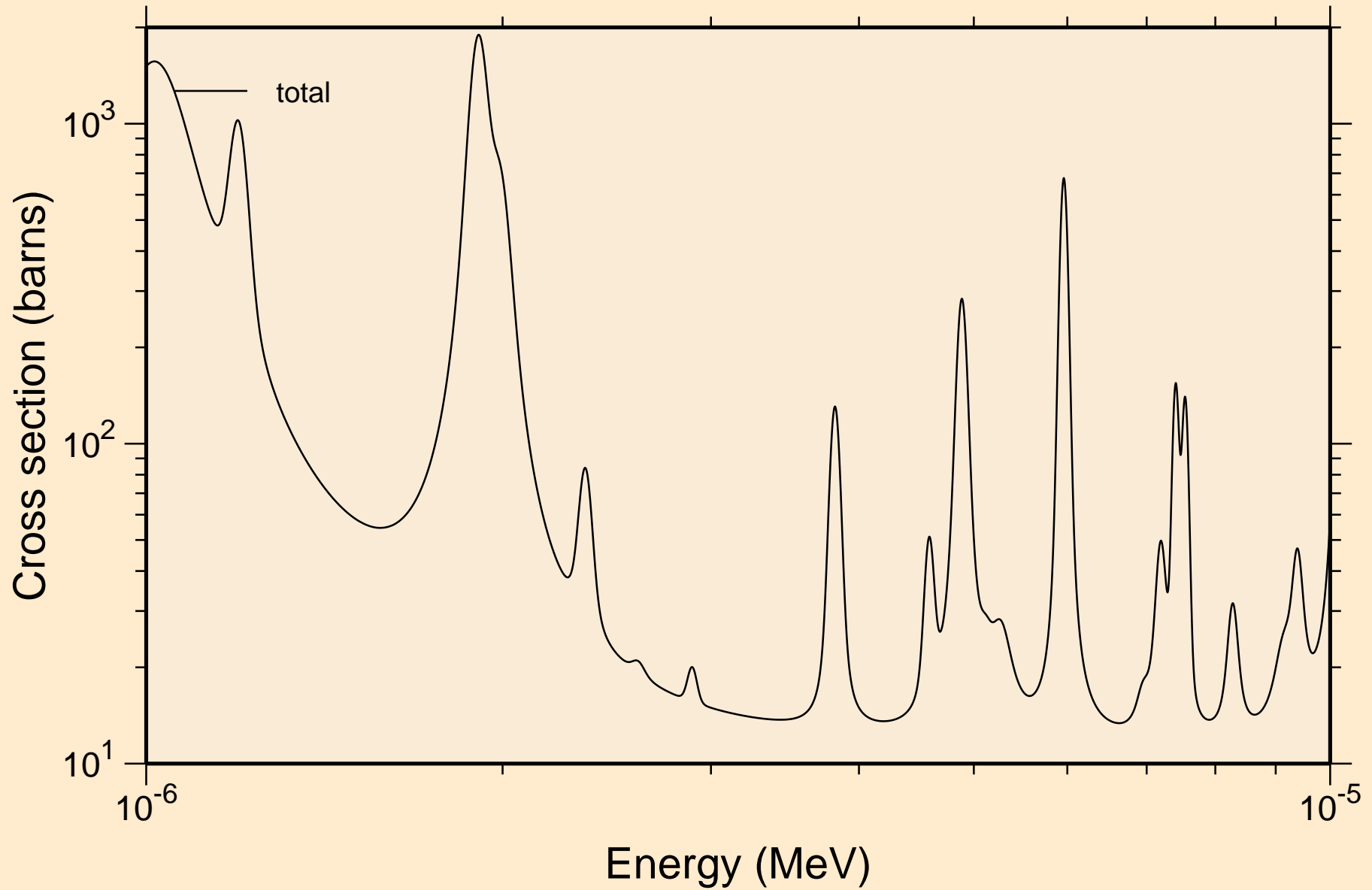
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



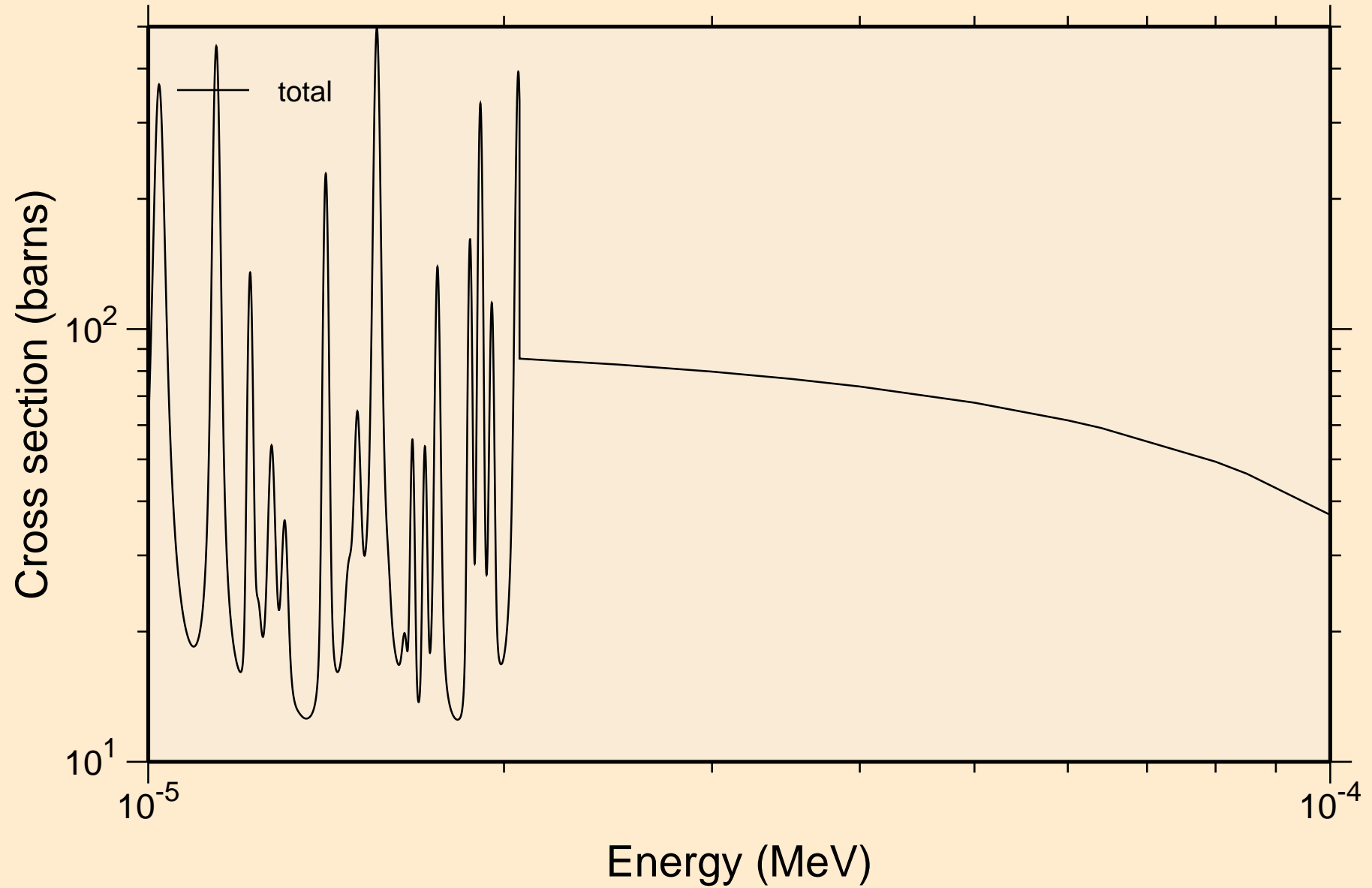
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resonance total cross section



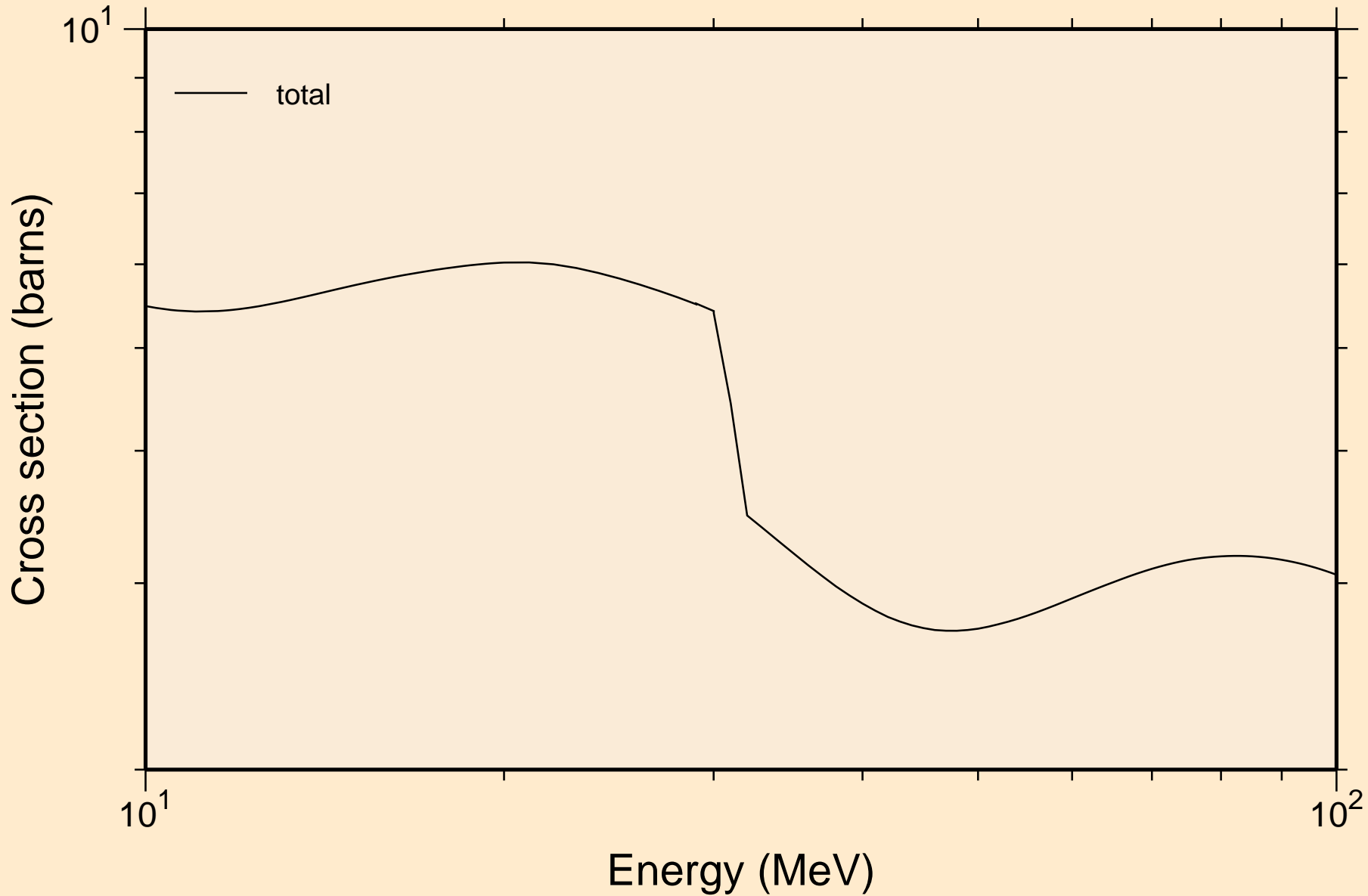
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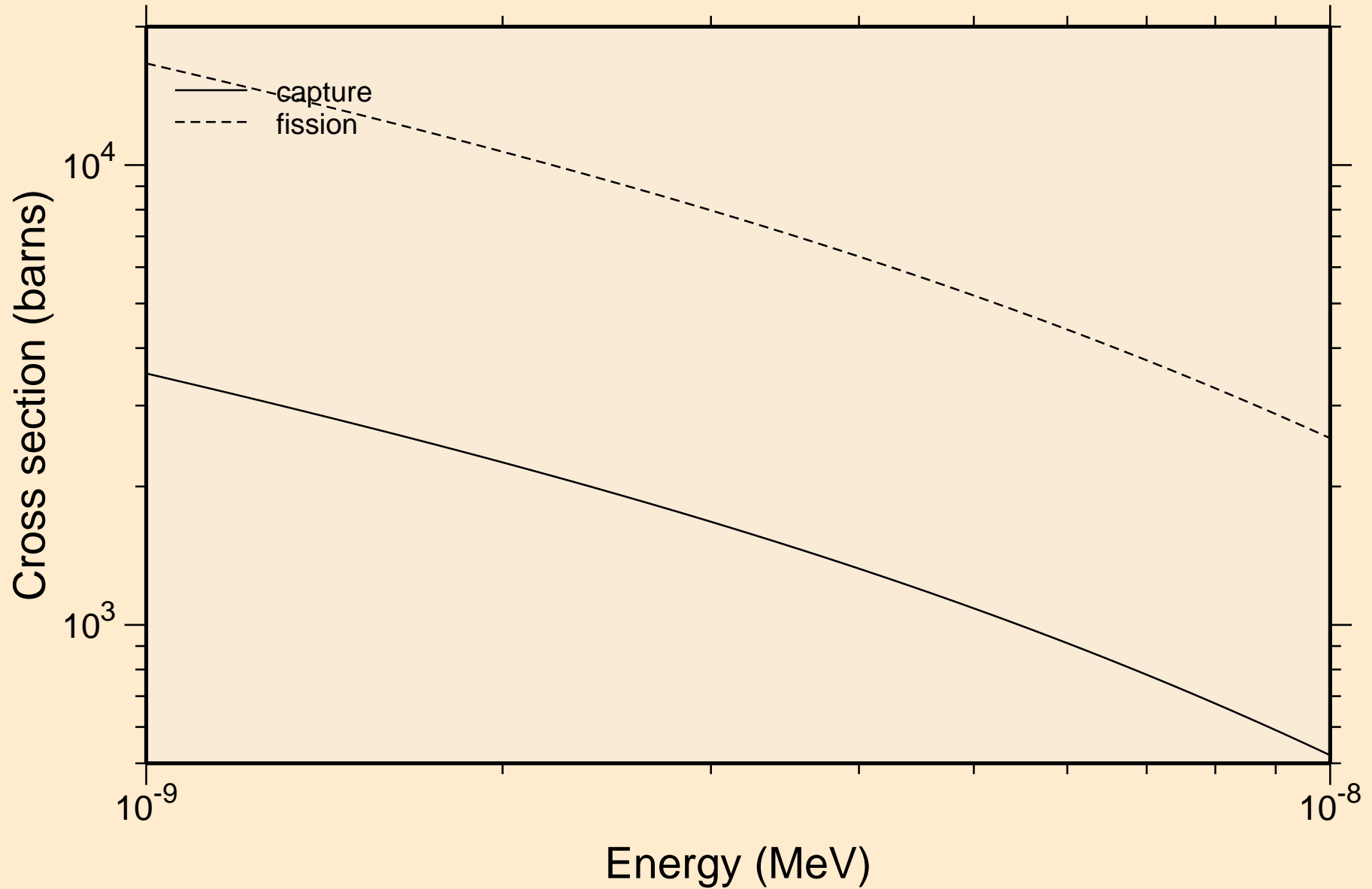
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resonance total cross section



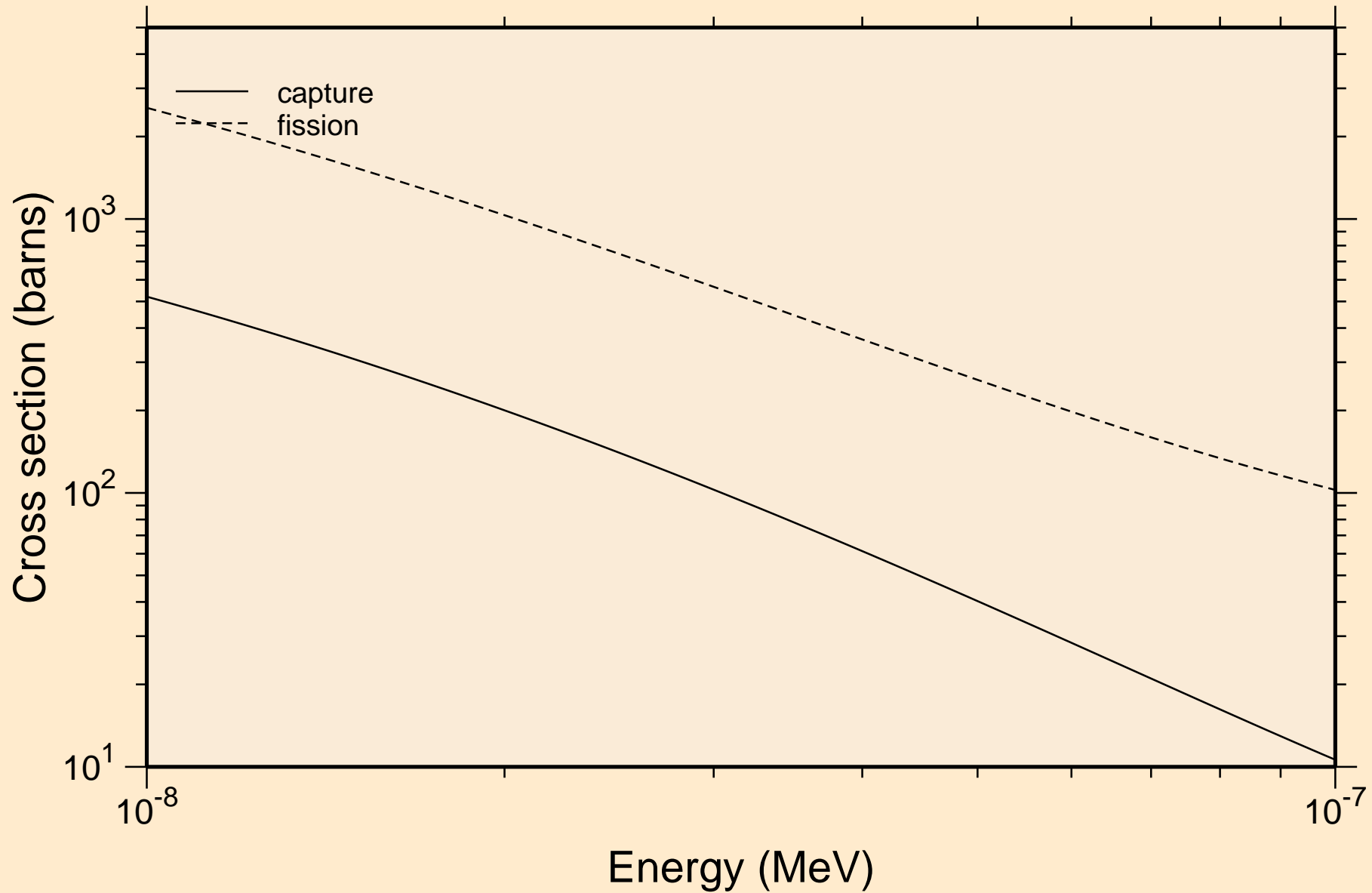
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

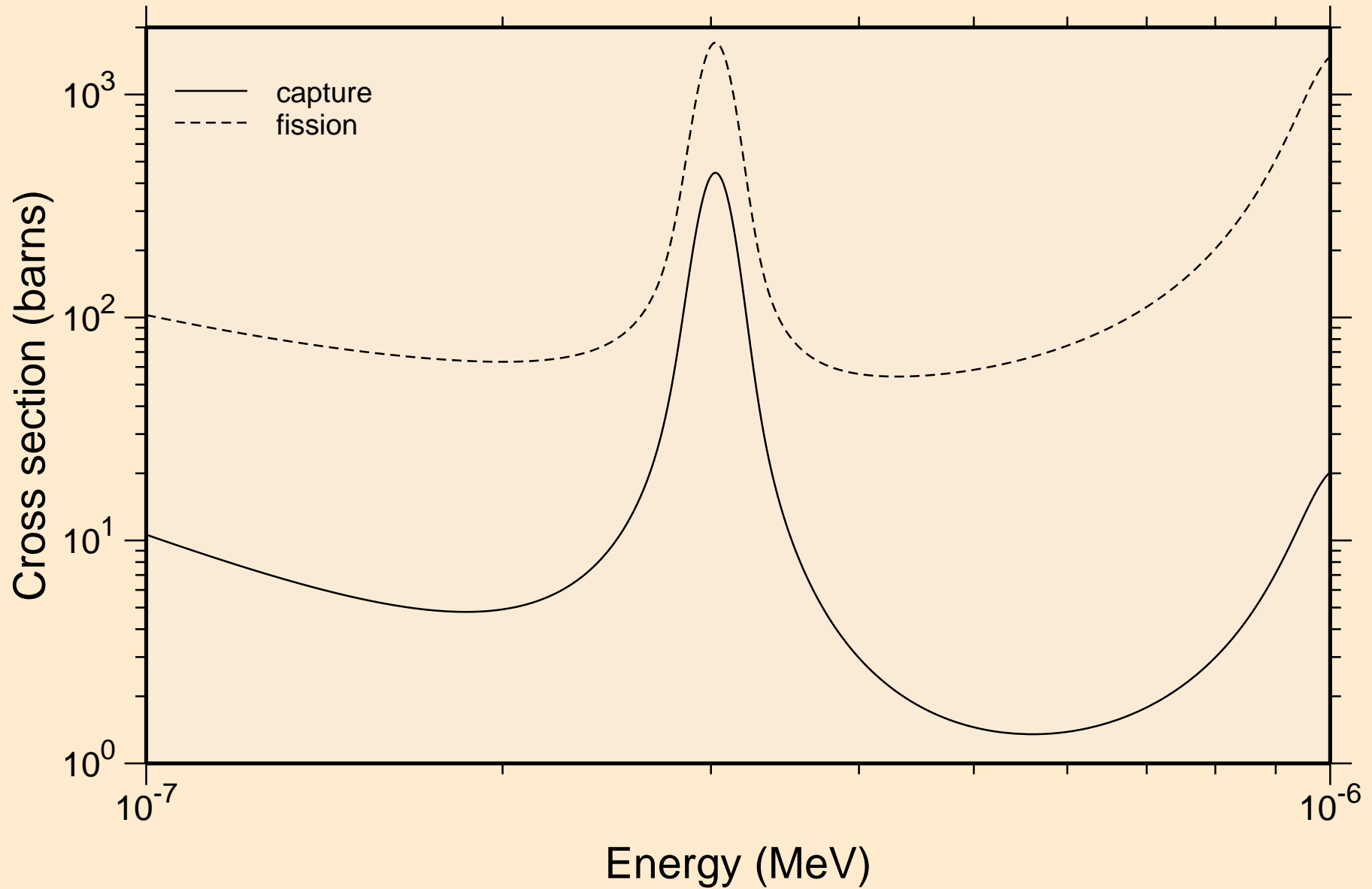


FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
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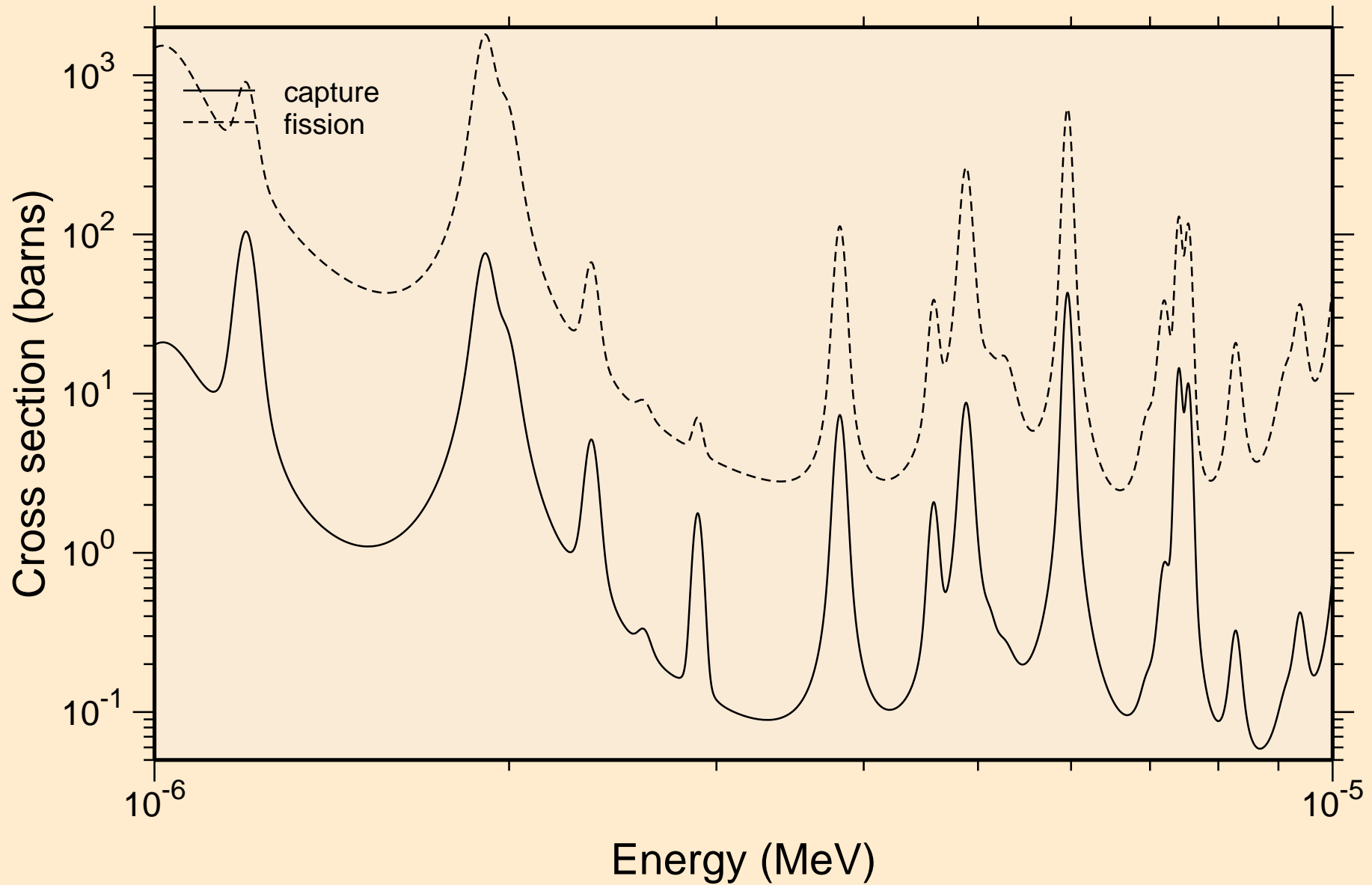




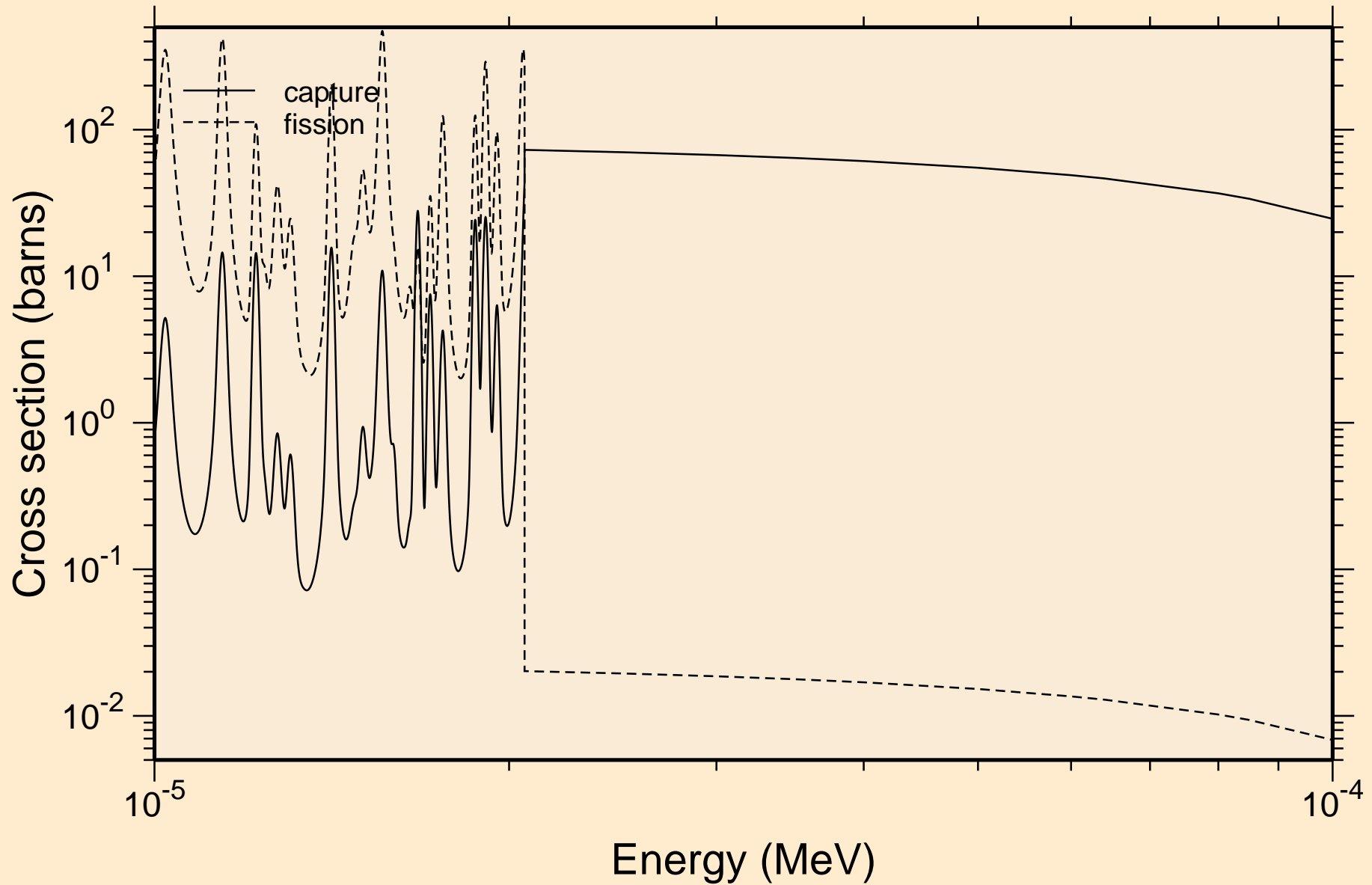
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



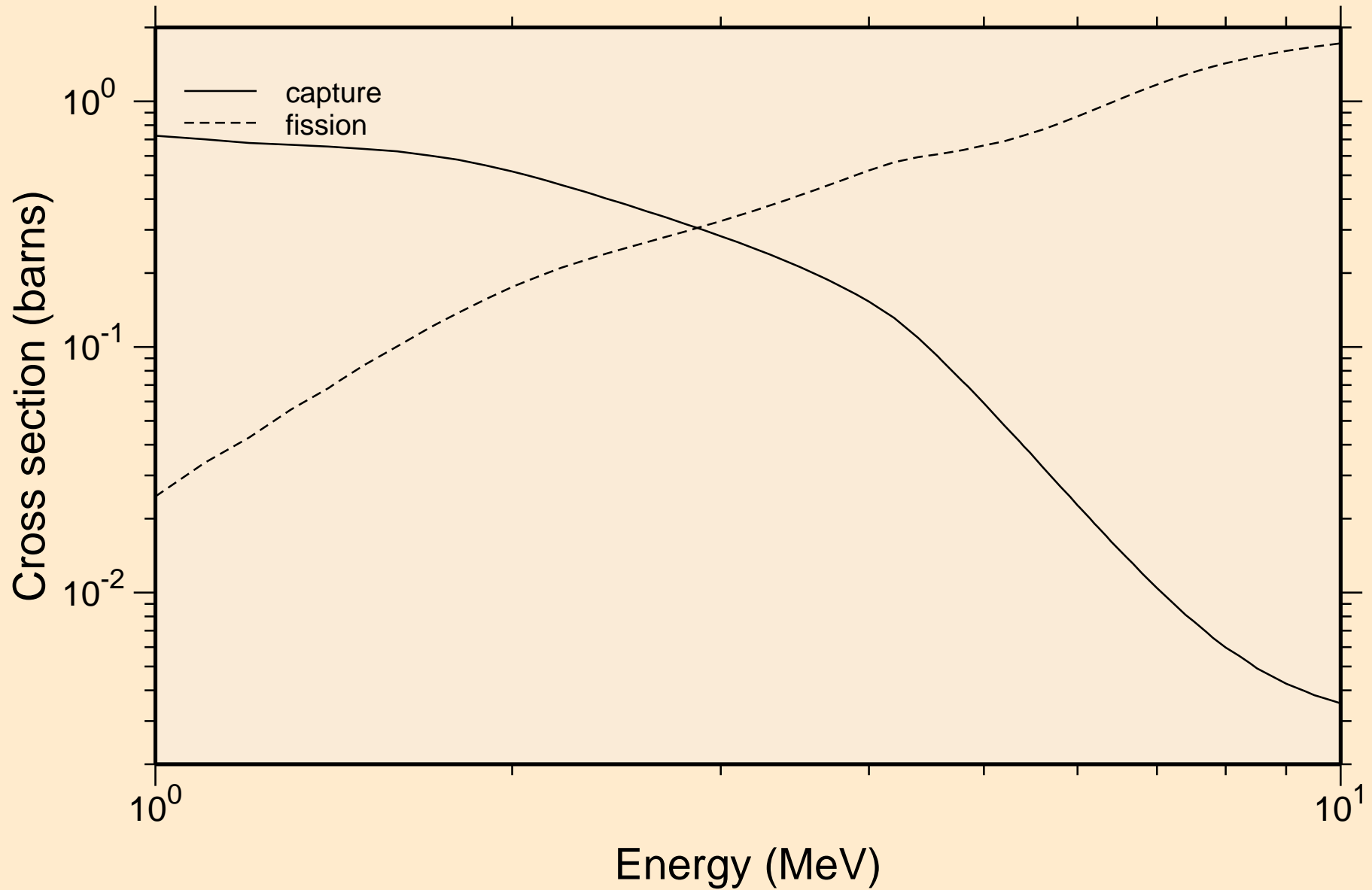
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



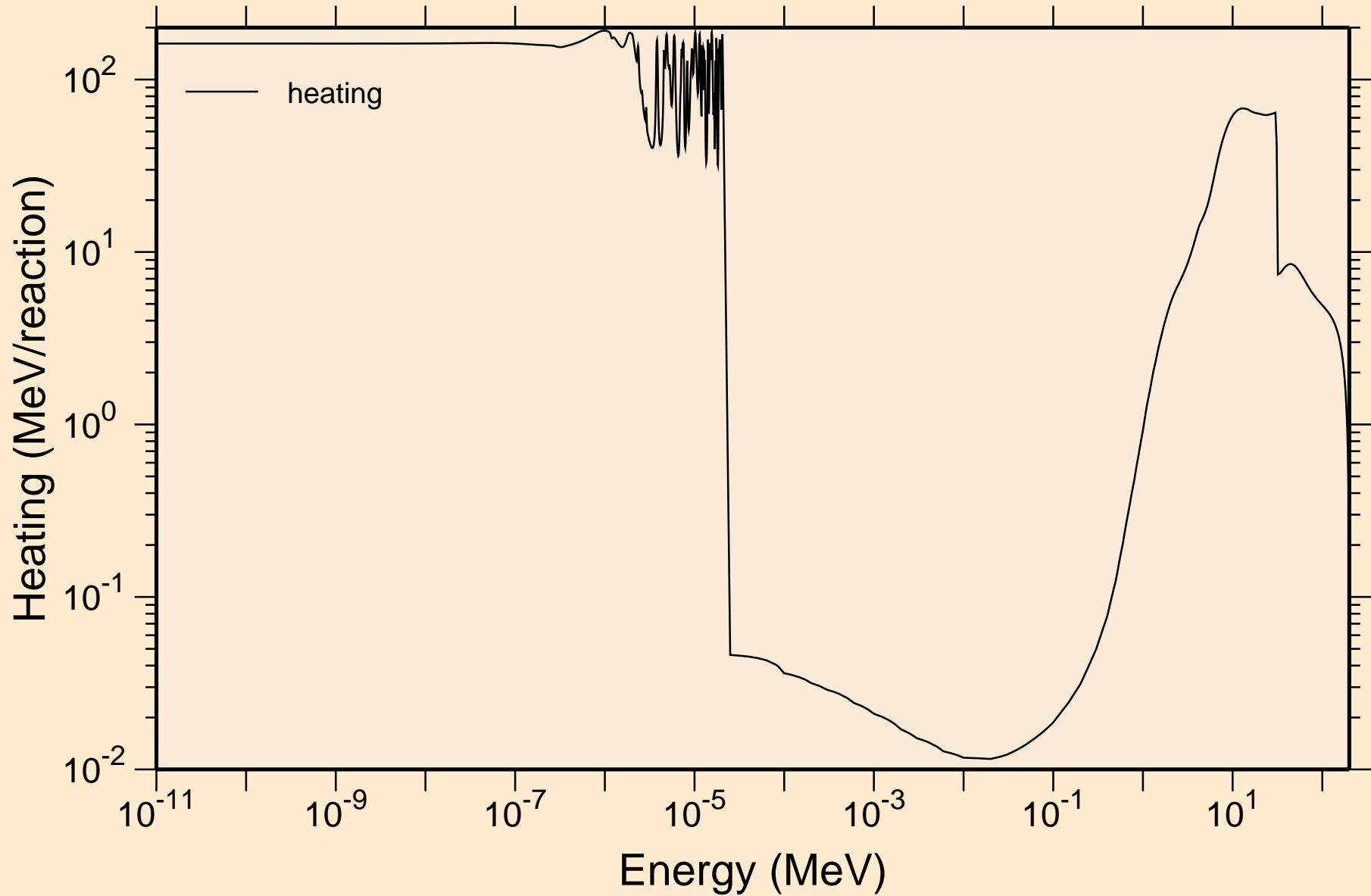
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



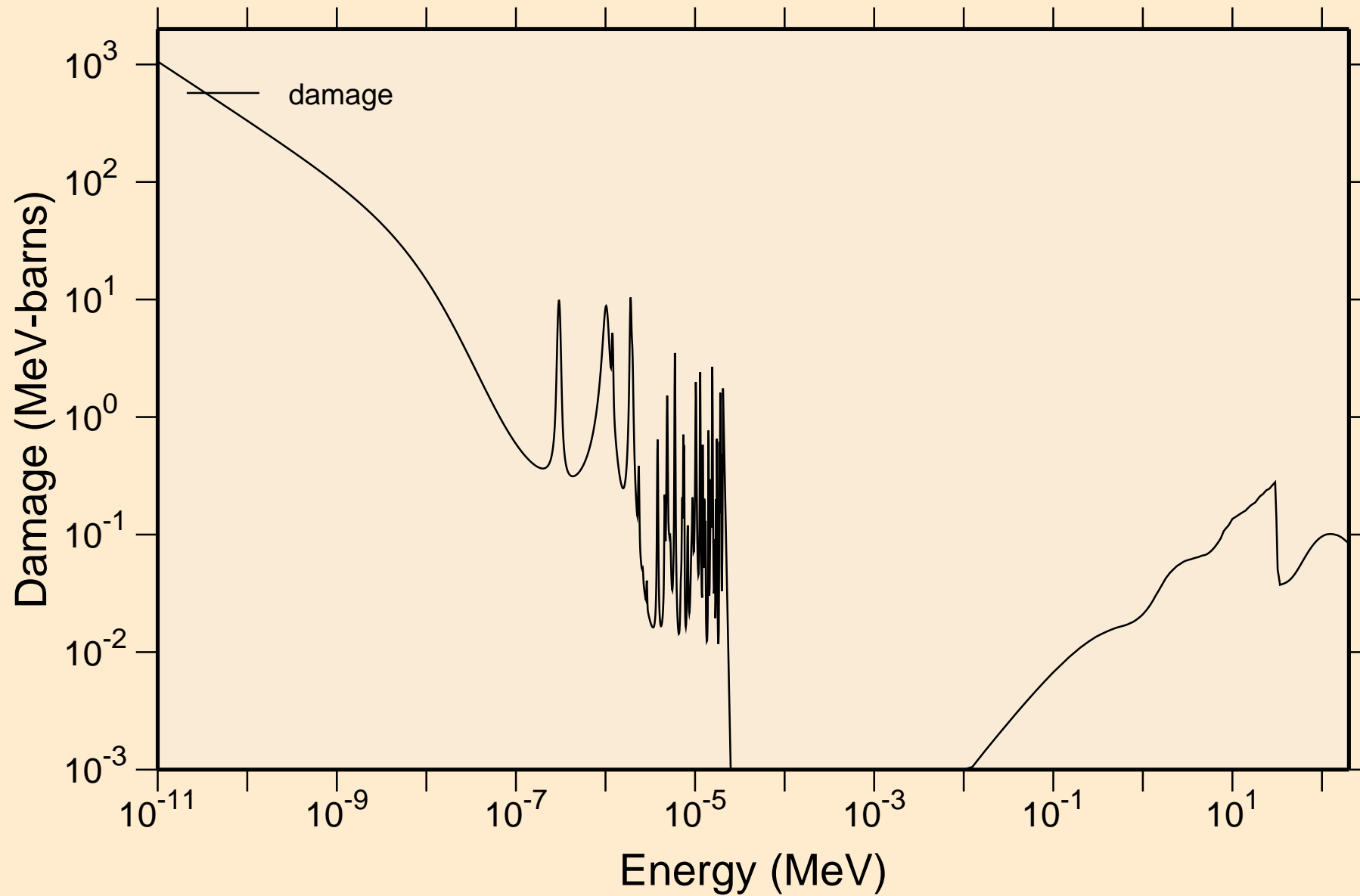
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



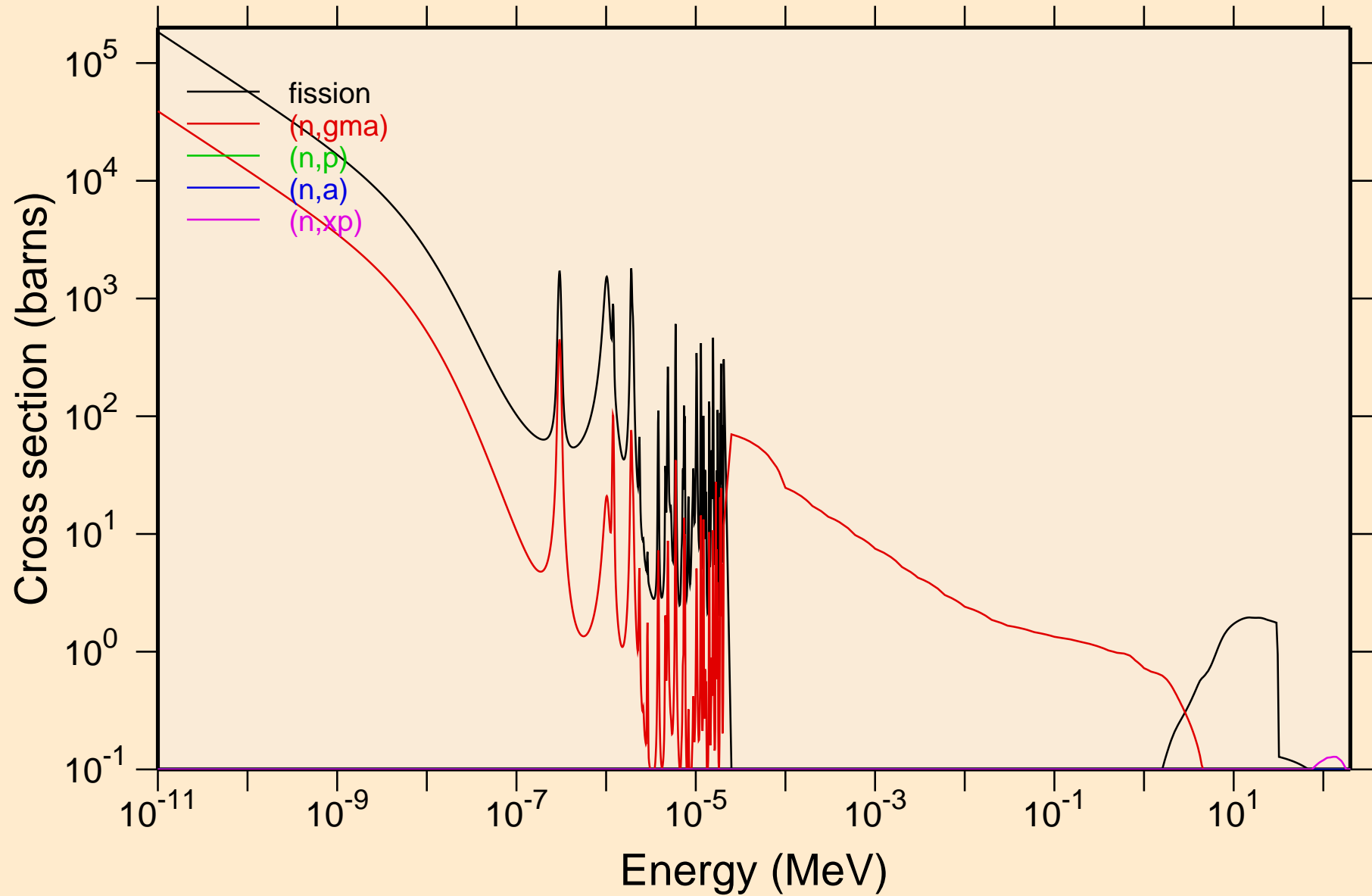
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



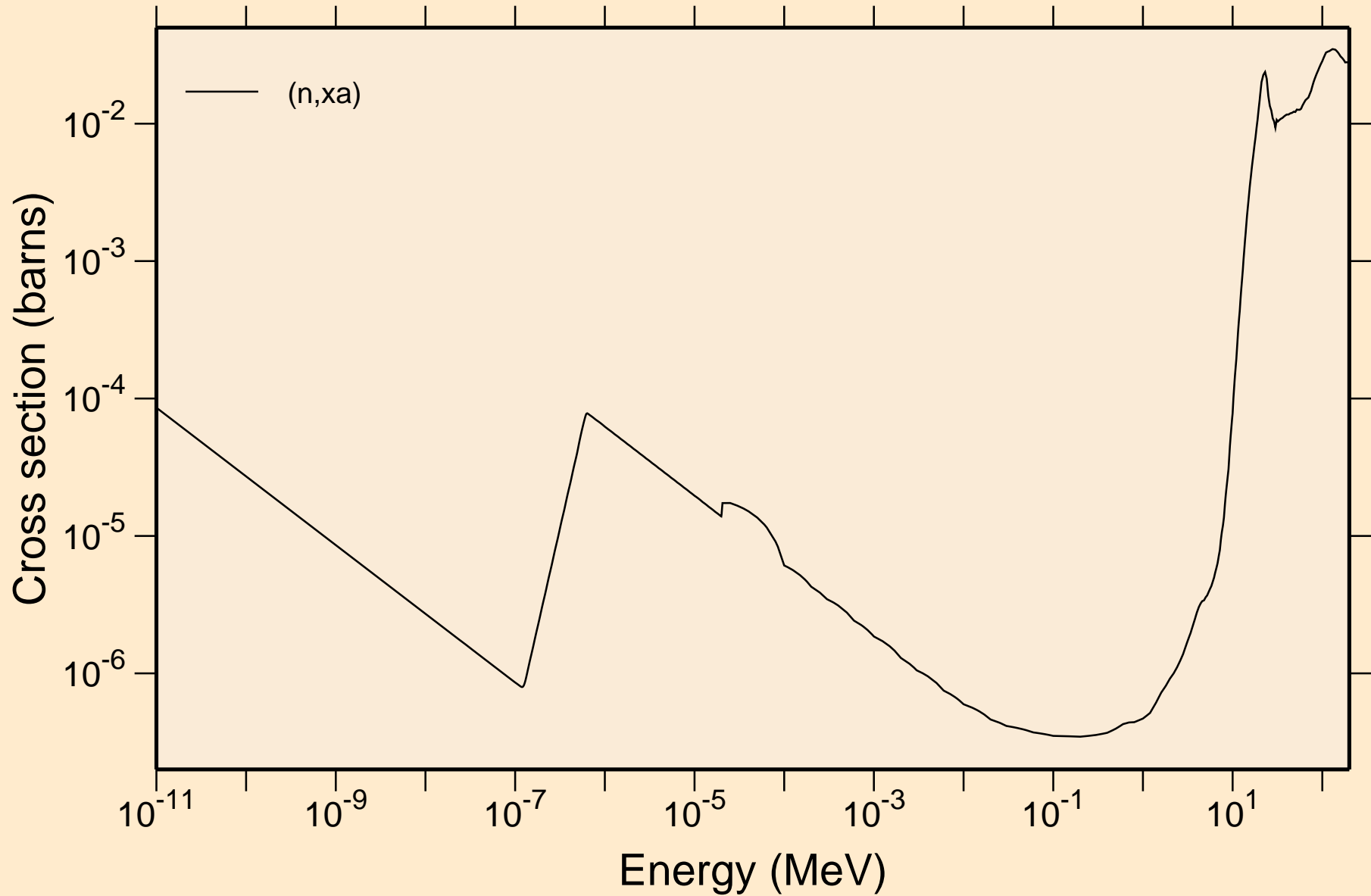
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage



FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

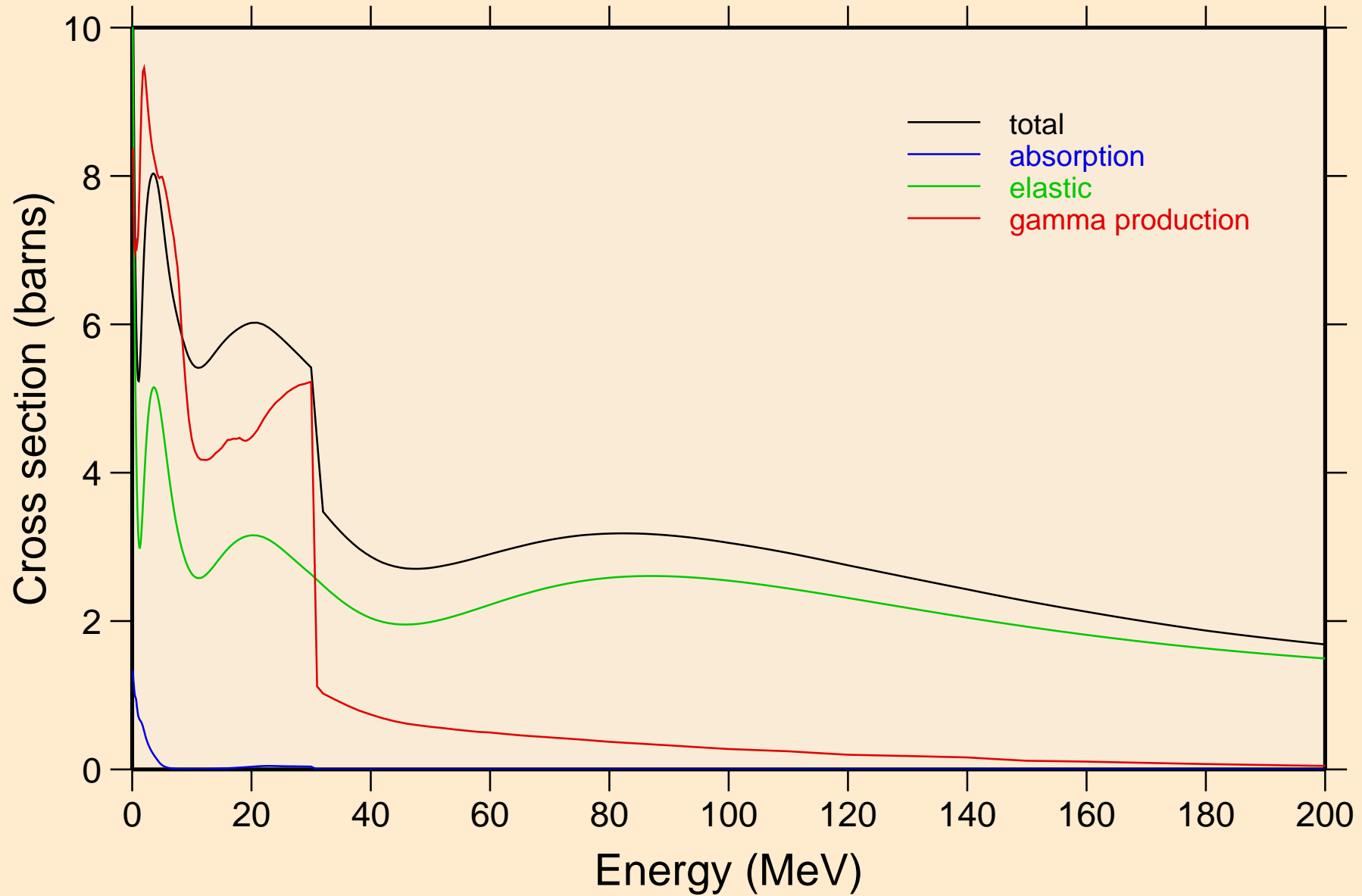


FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

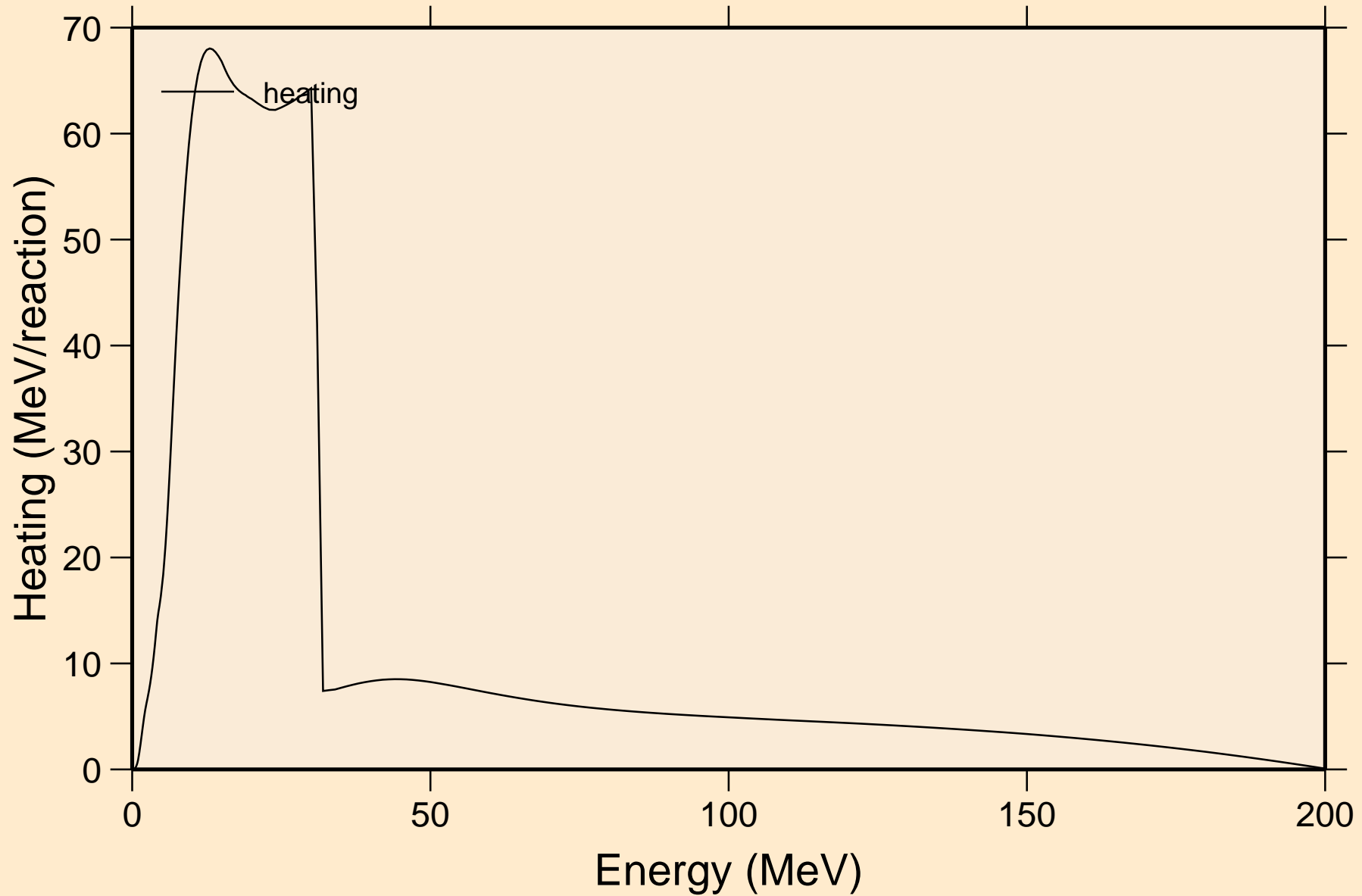




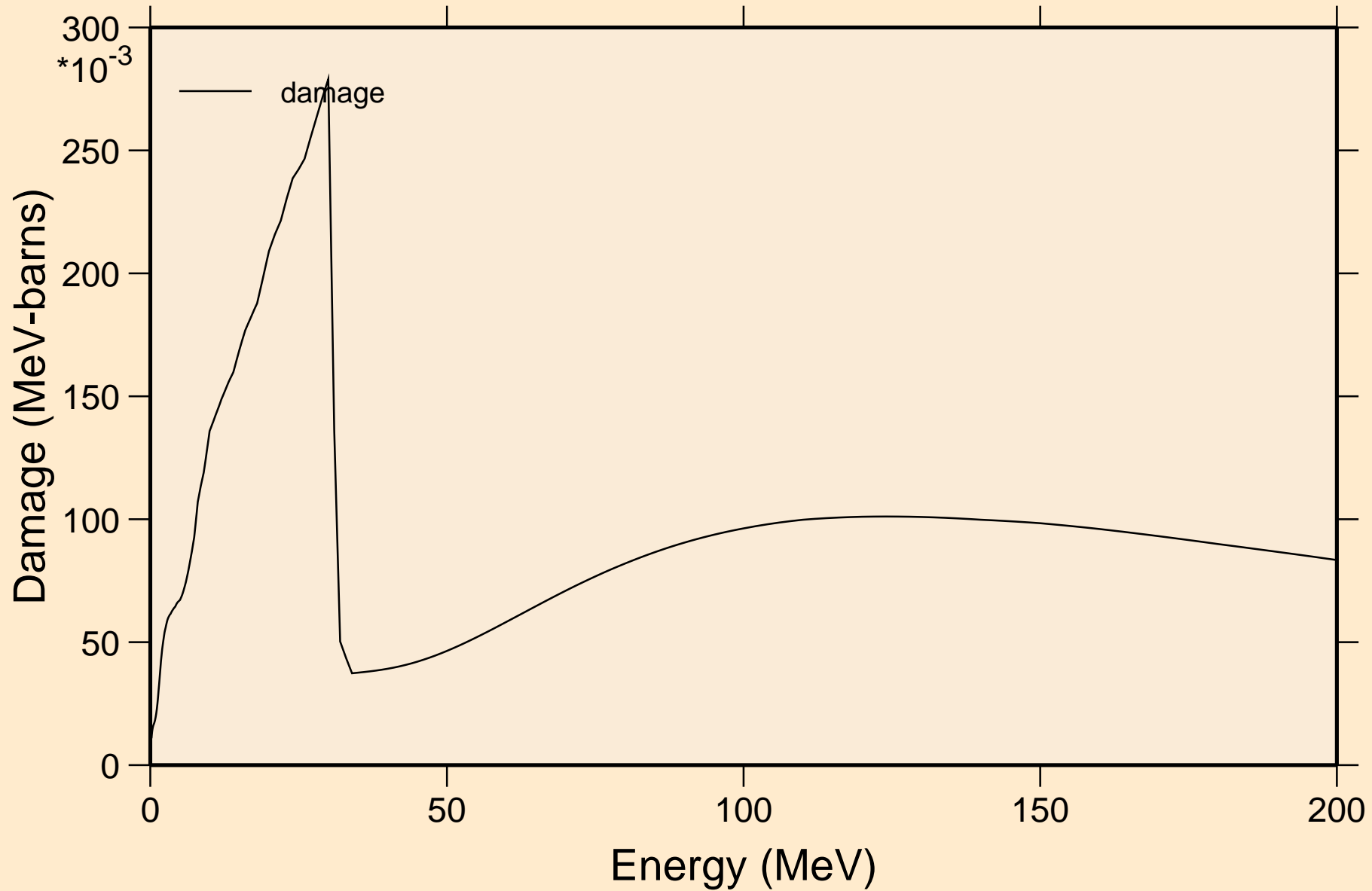
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Principal cross sections



FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating

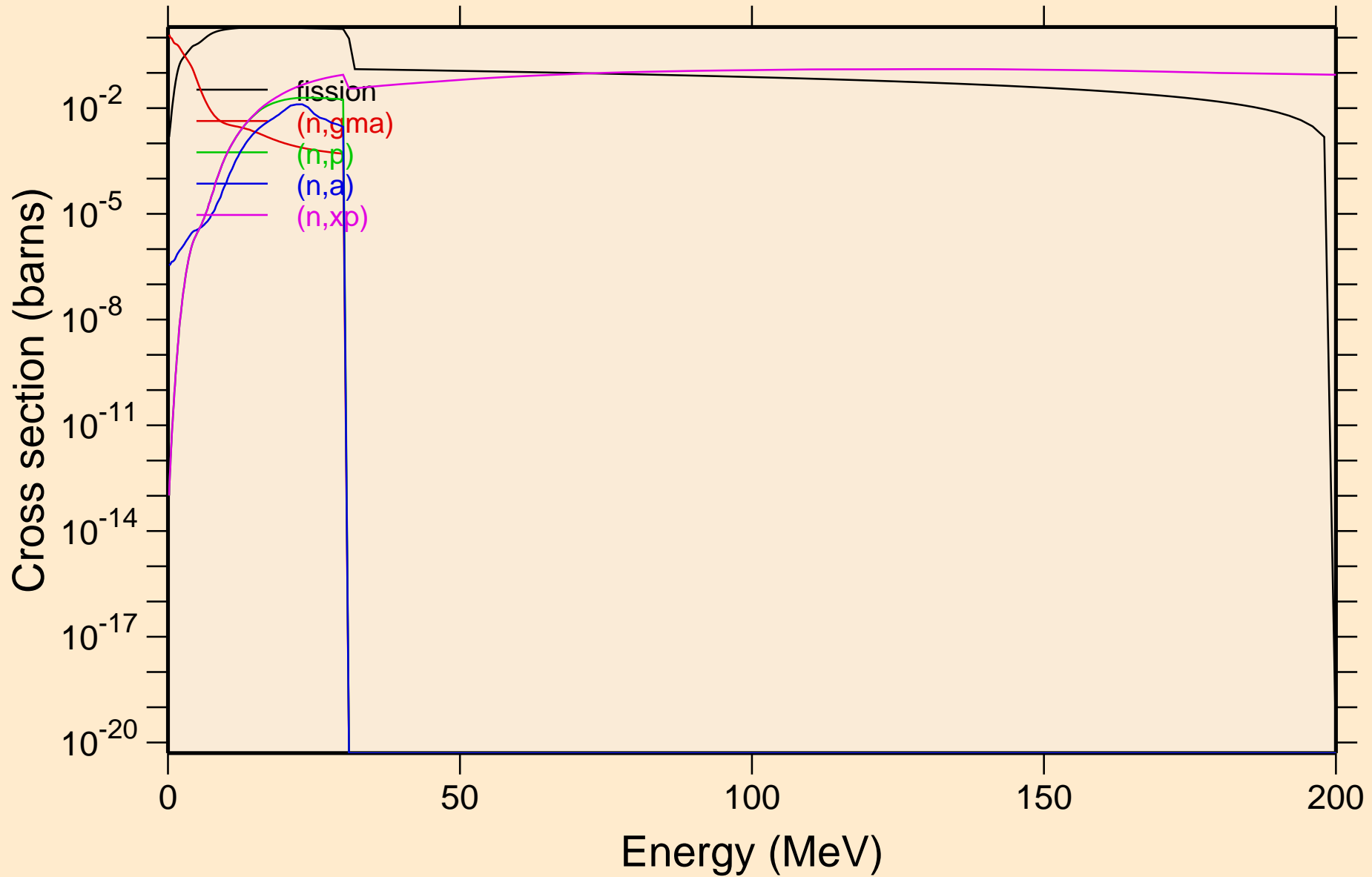


FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

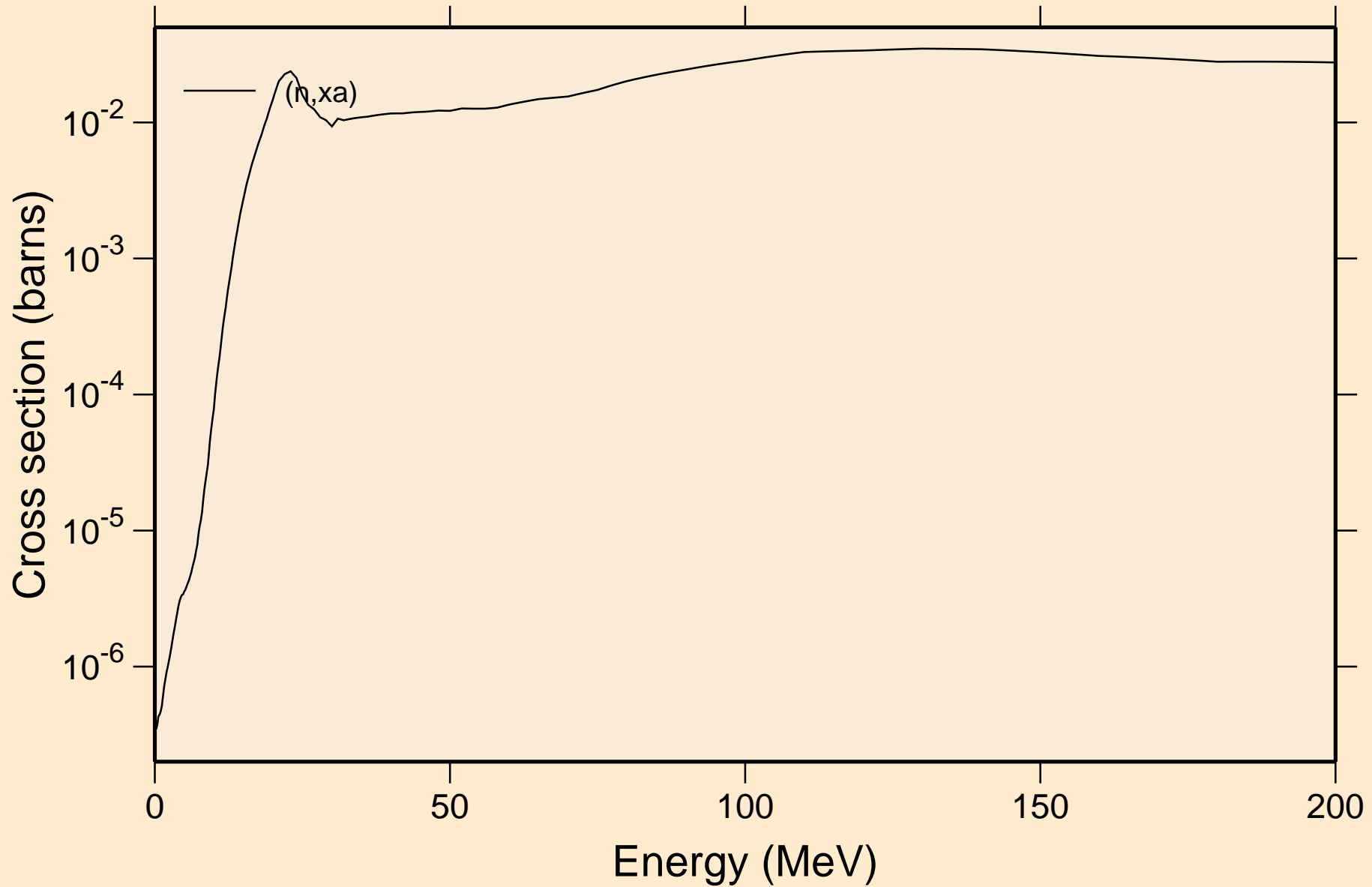


# FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

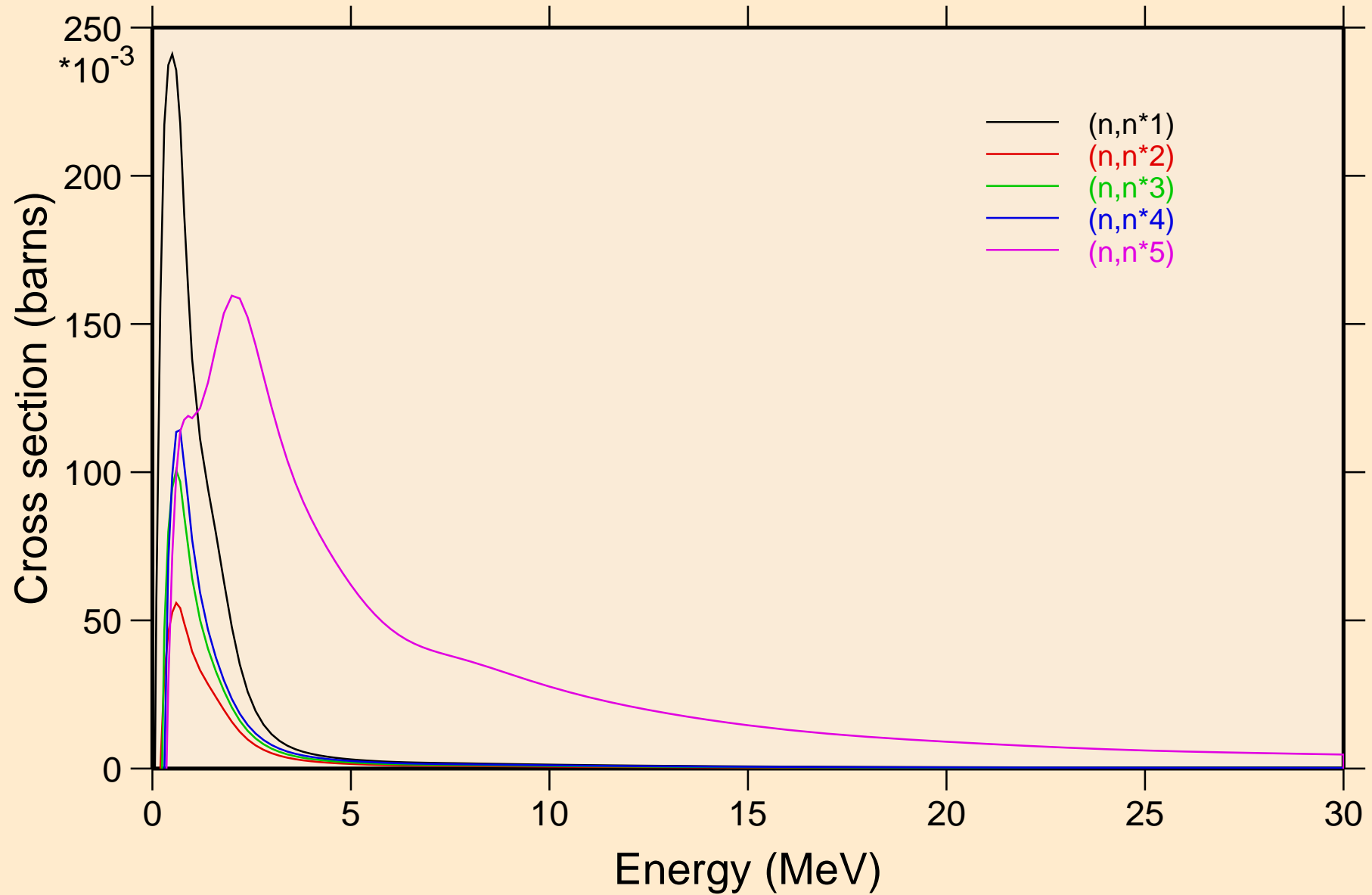
## Non-threshold reactions



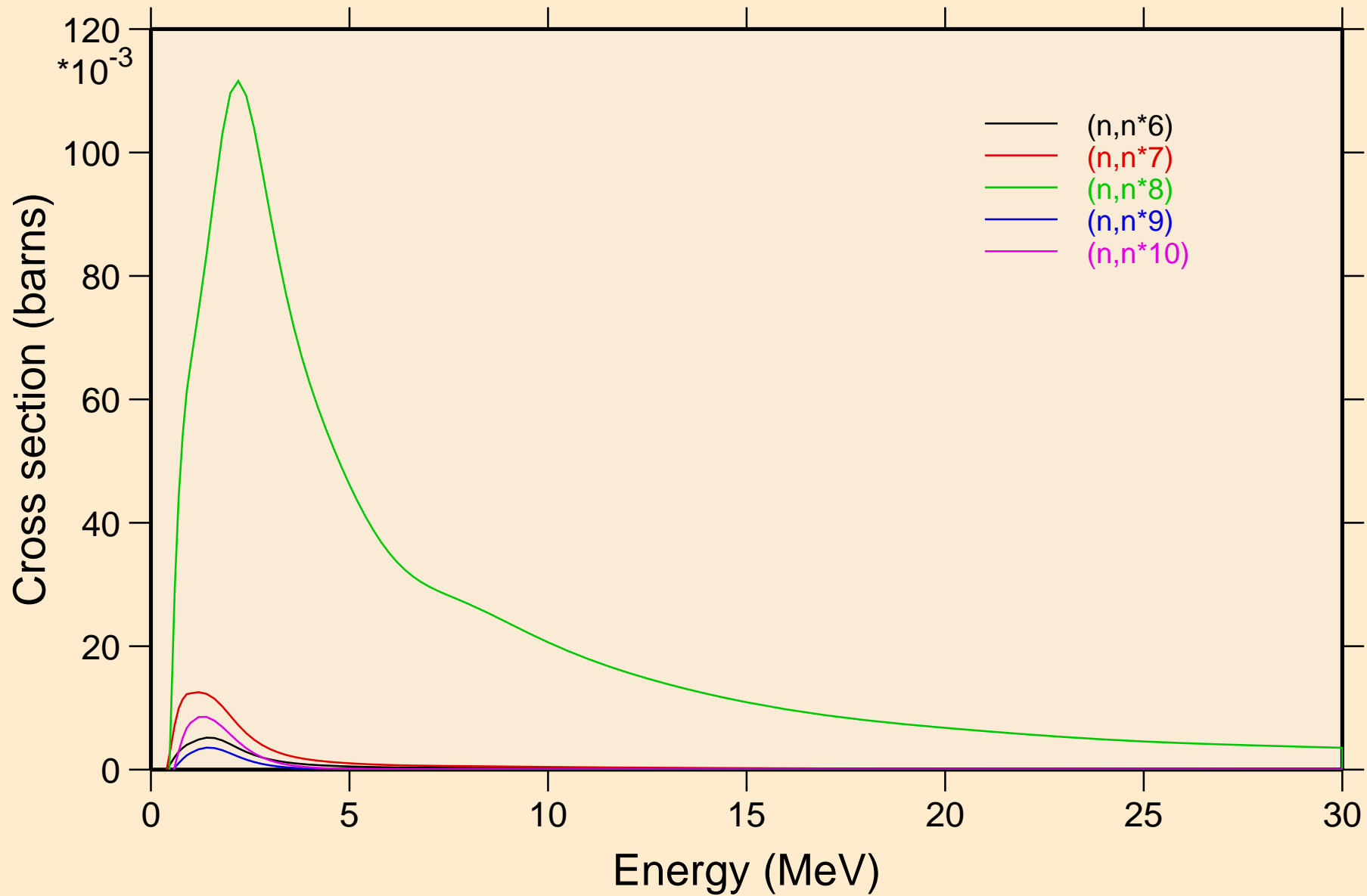
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



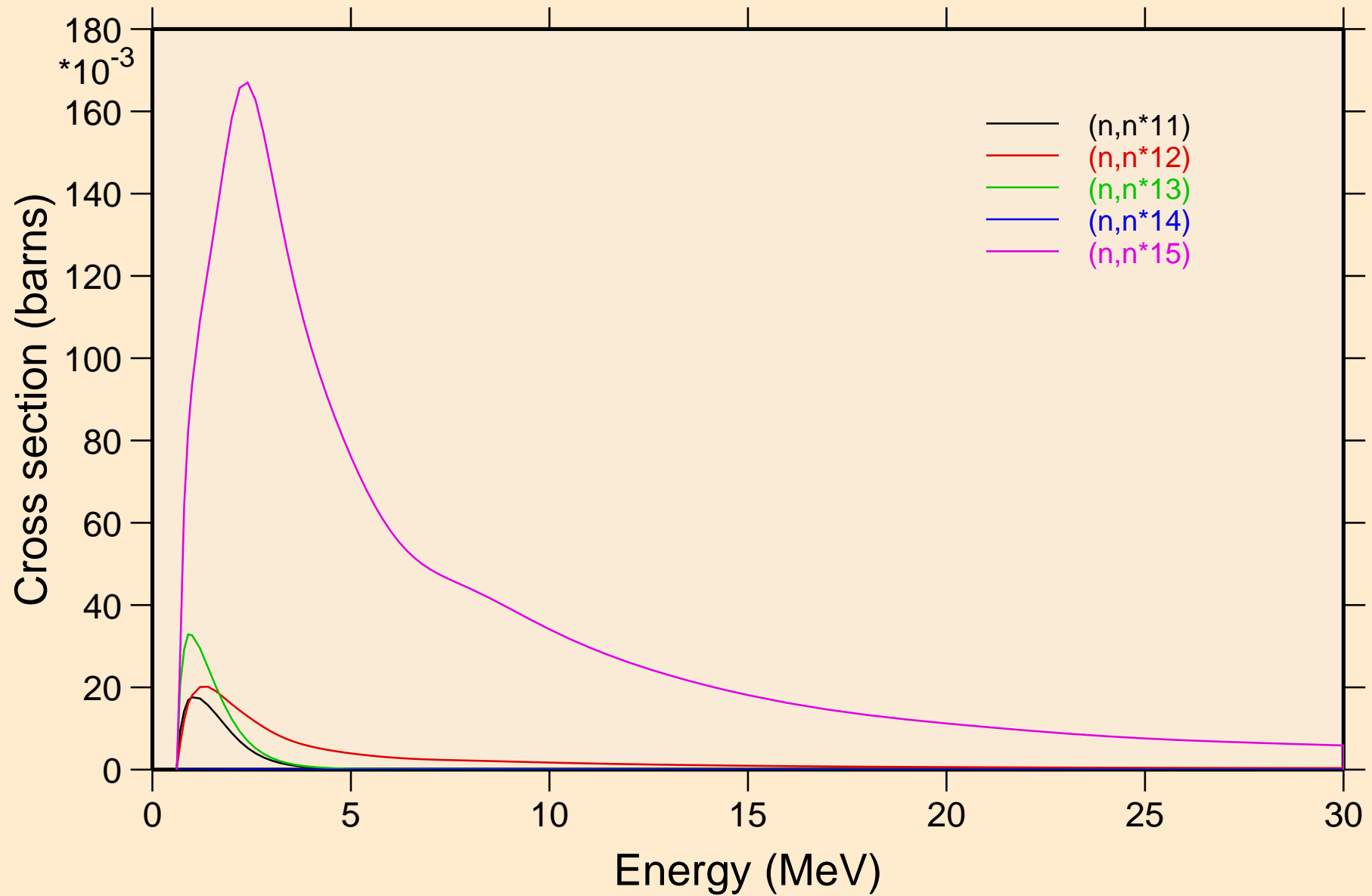
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

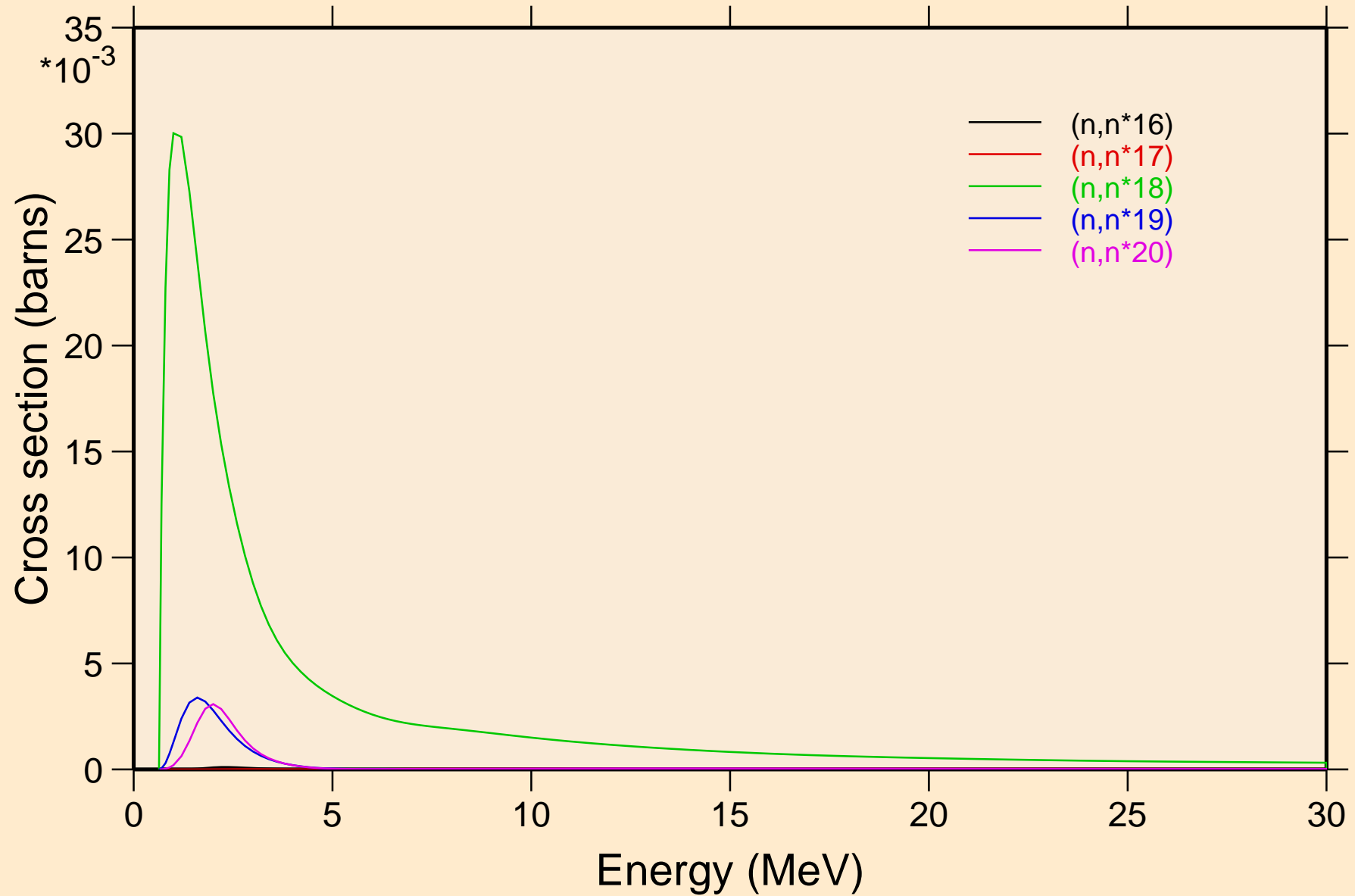


FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

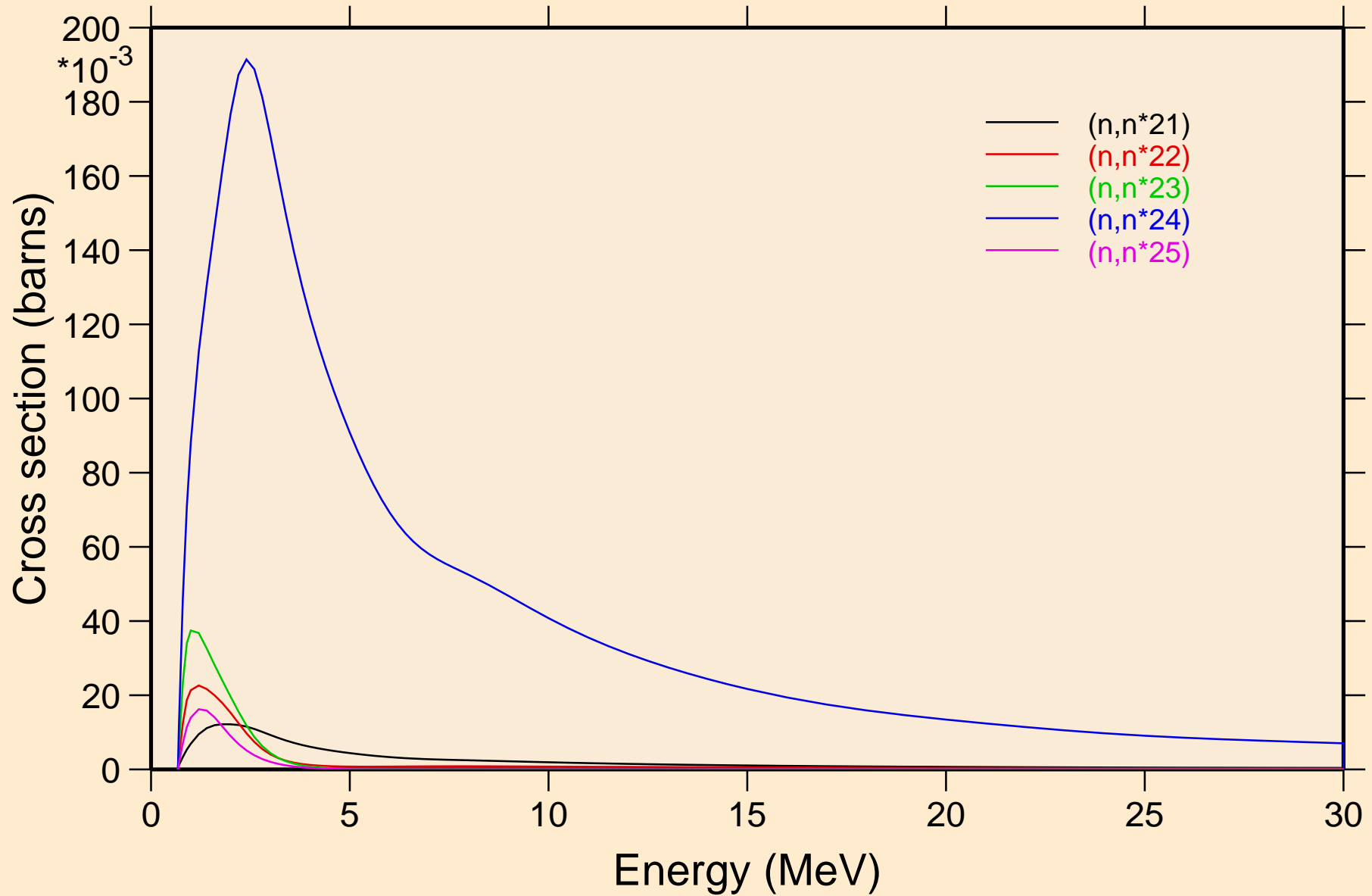




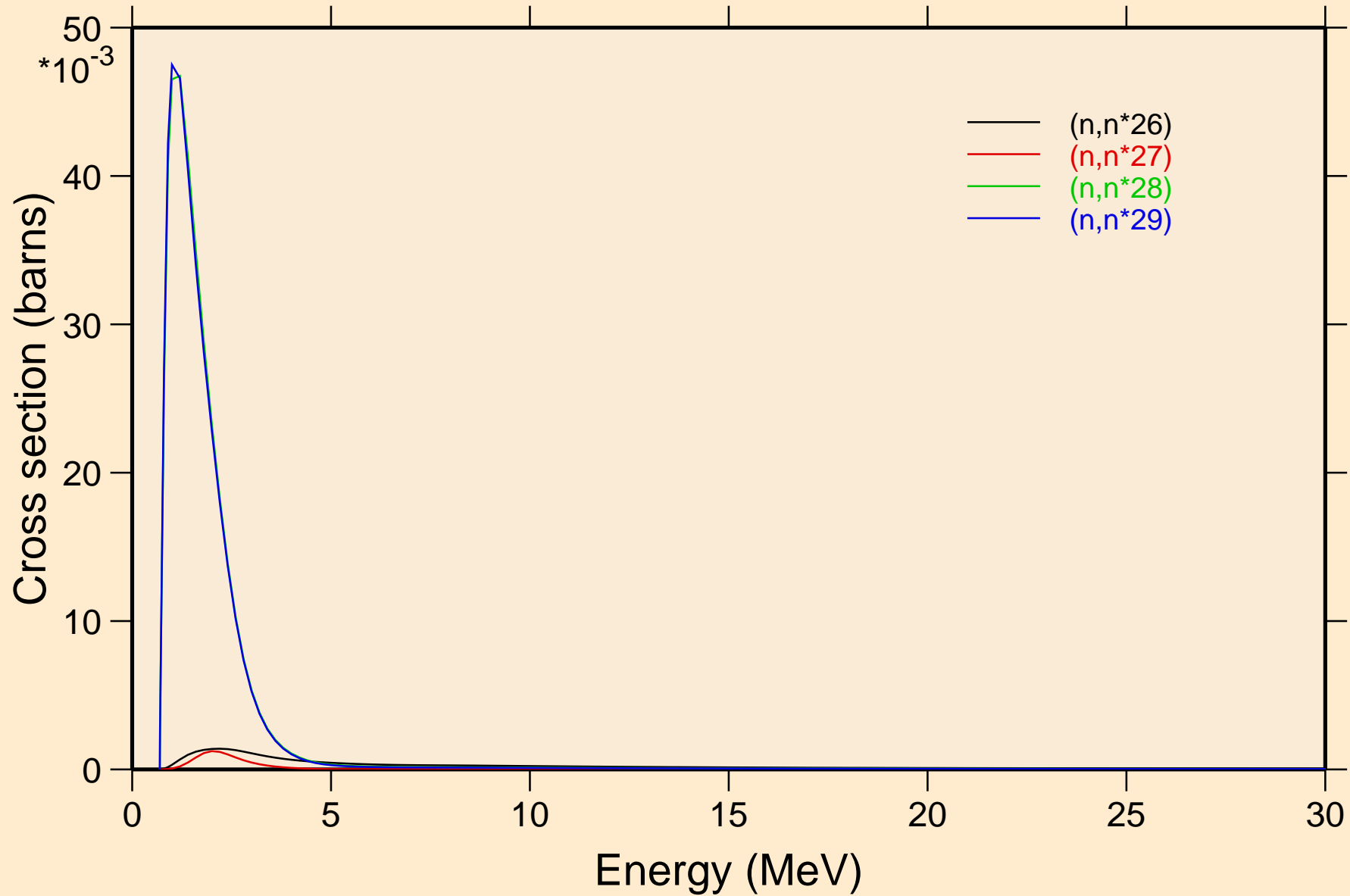
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



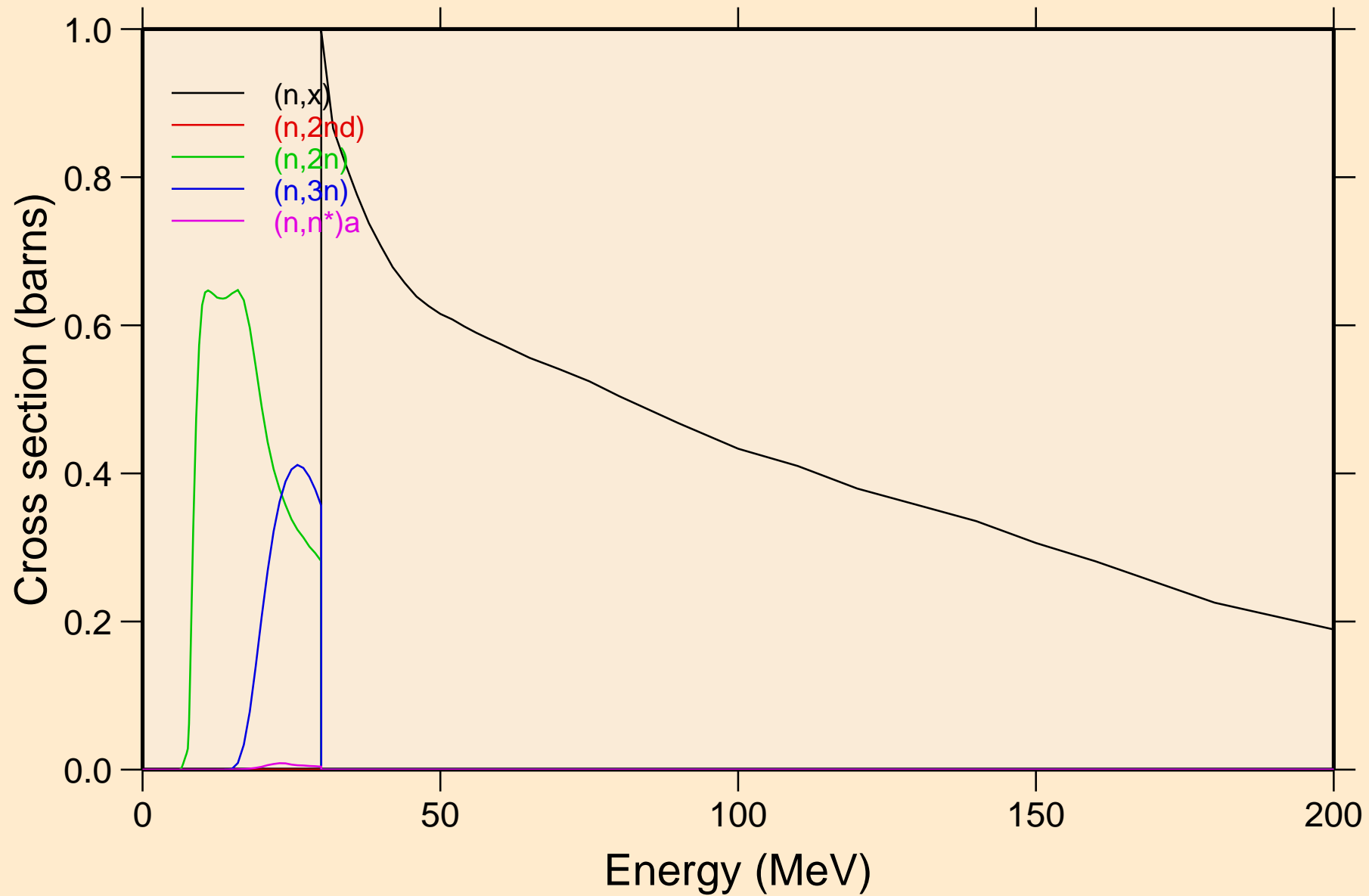
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



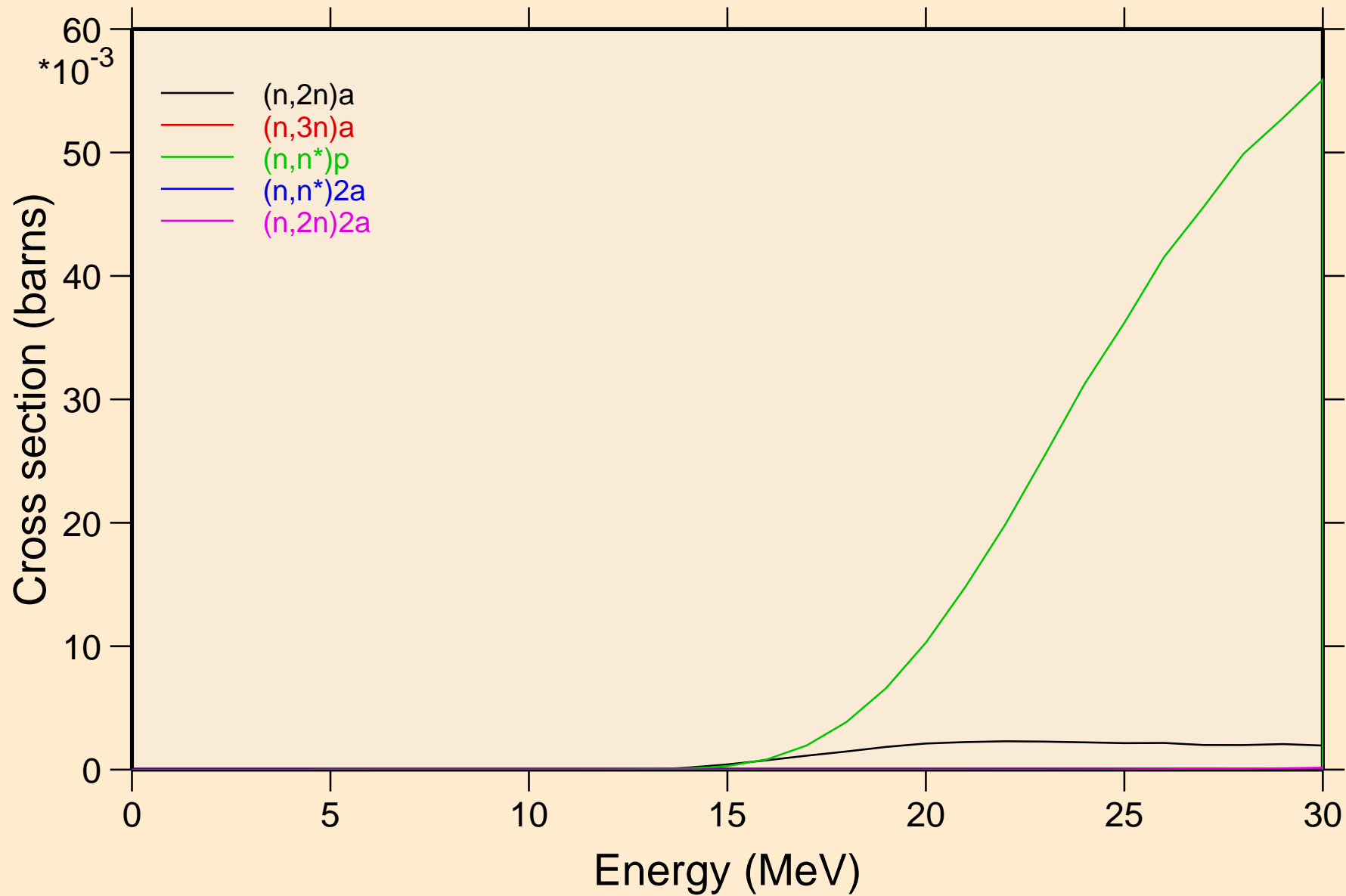
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

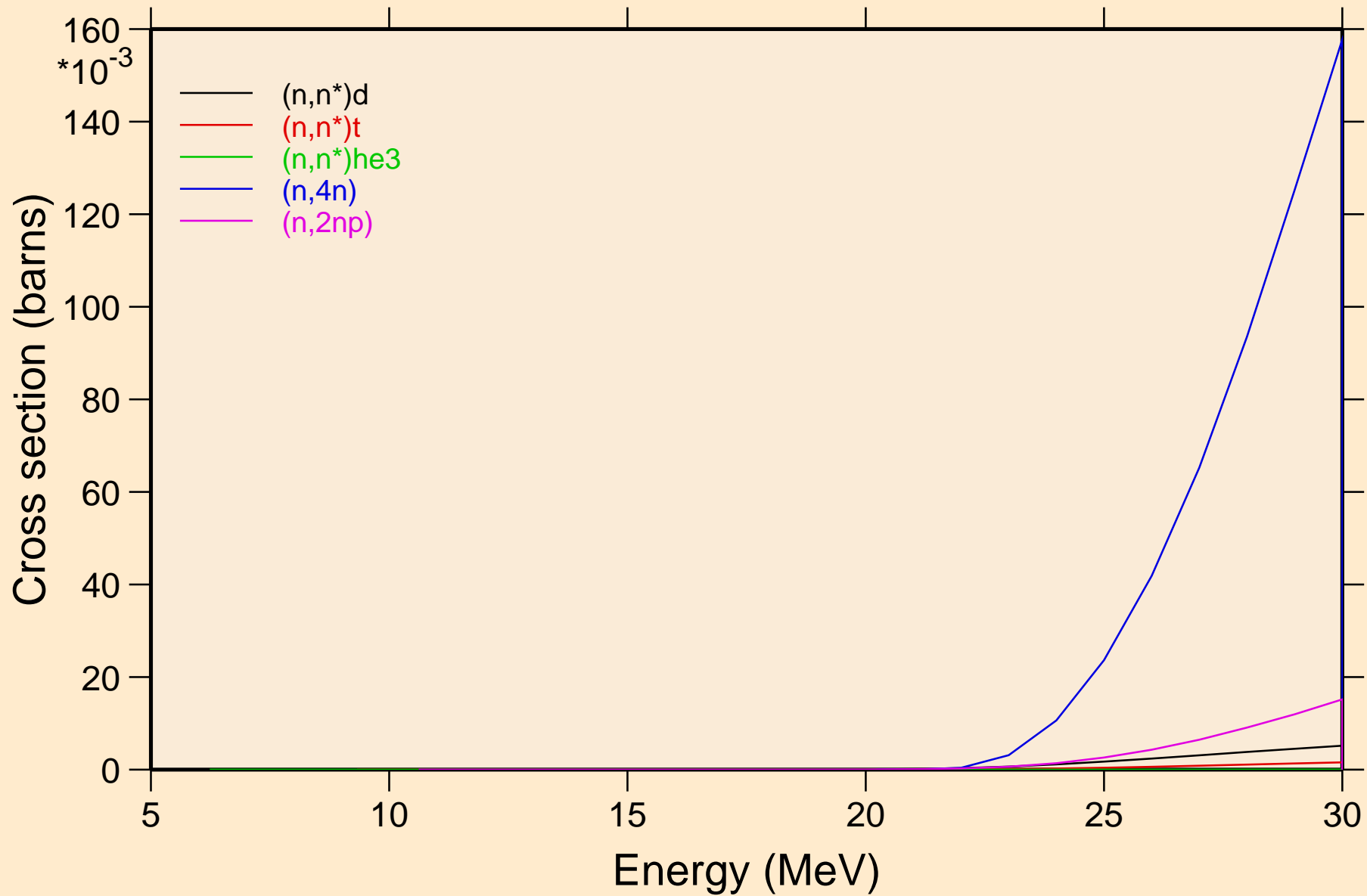


FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

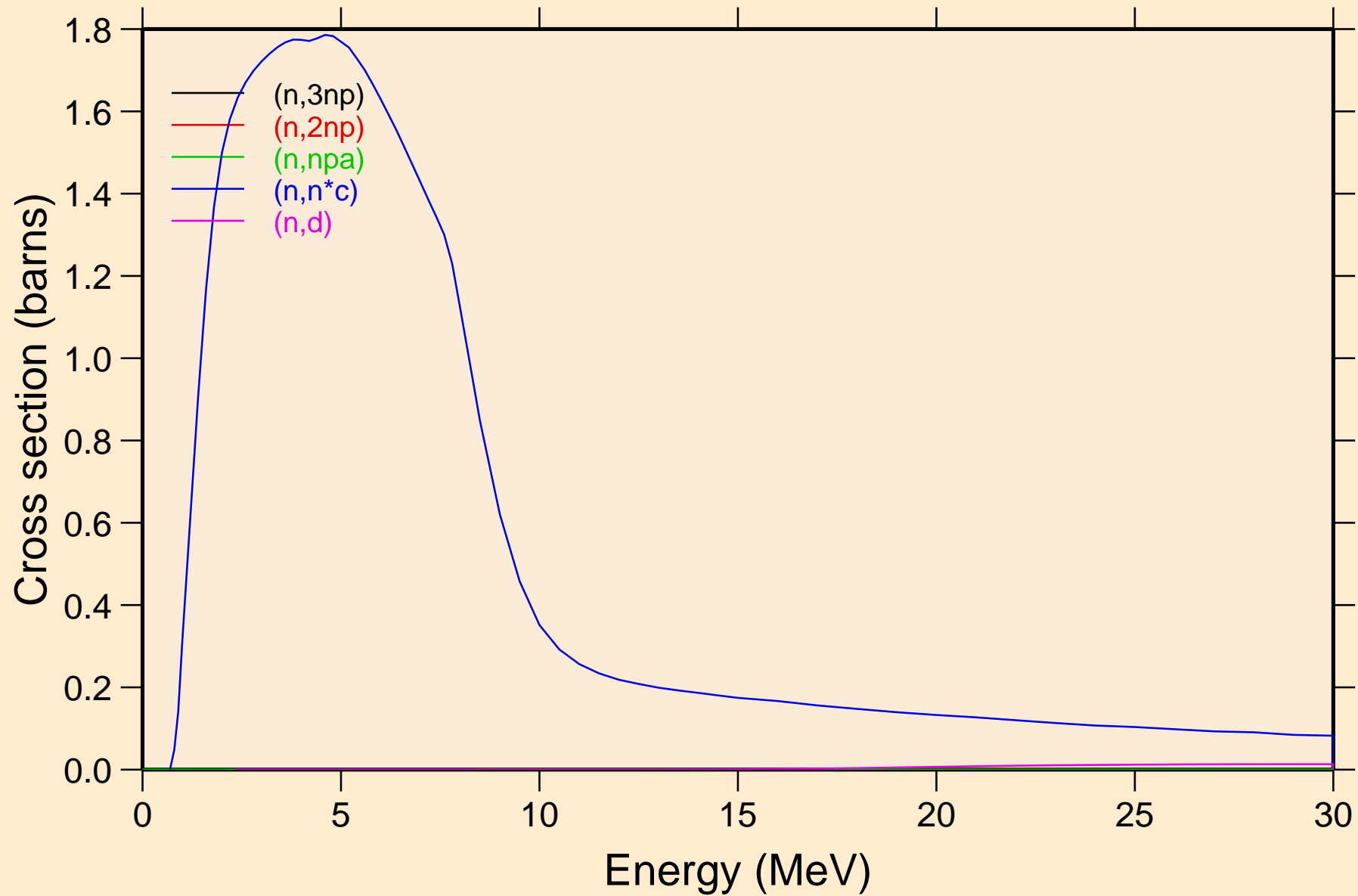


# FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

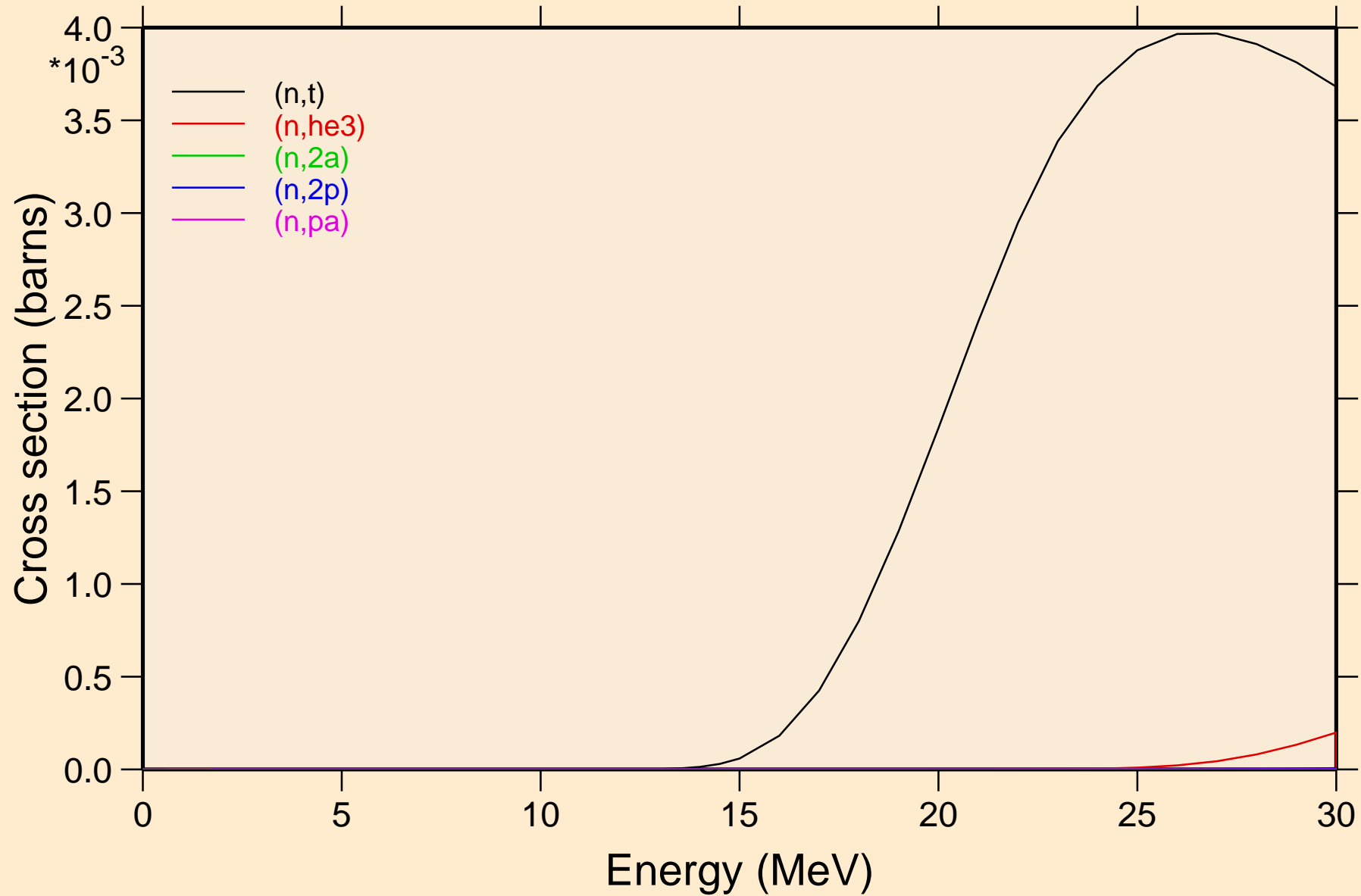
## Threshold reactions



FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

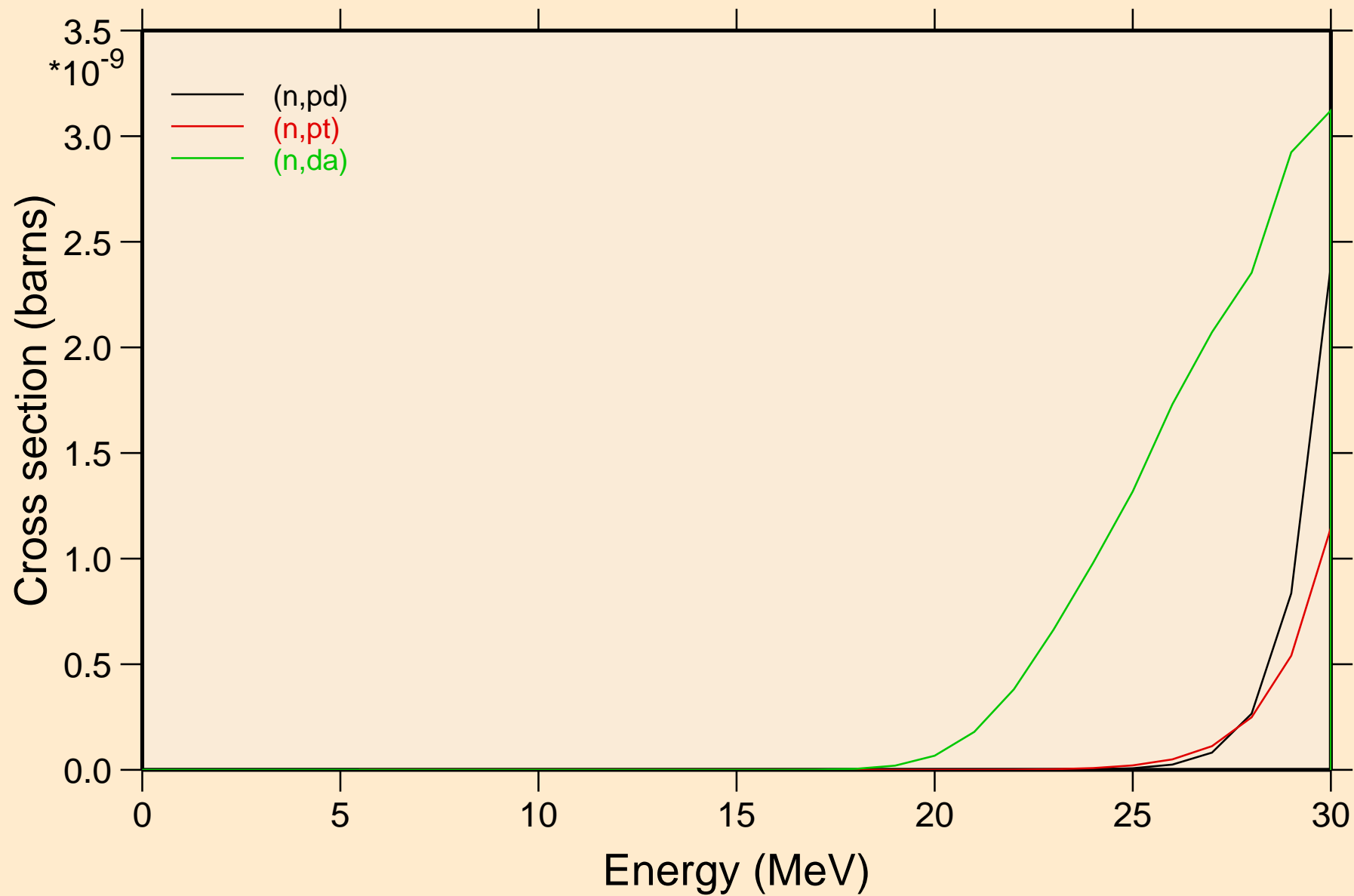


FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

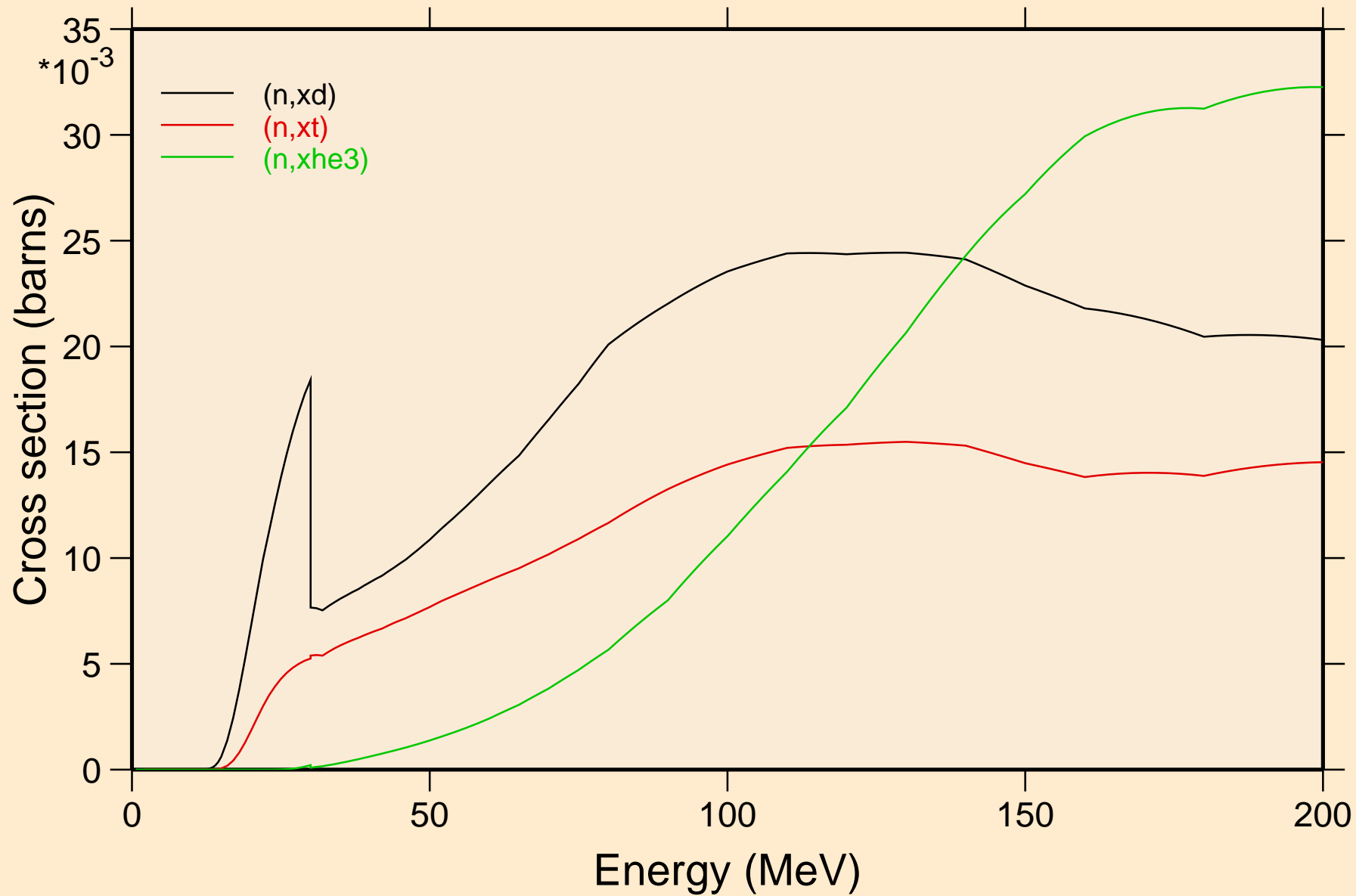




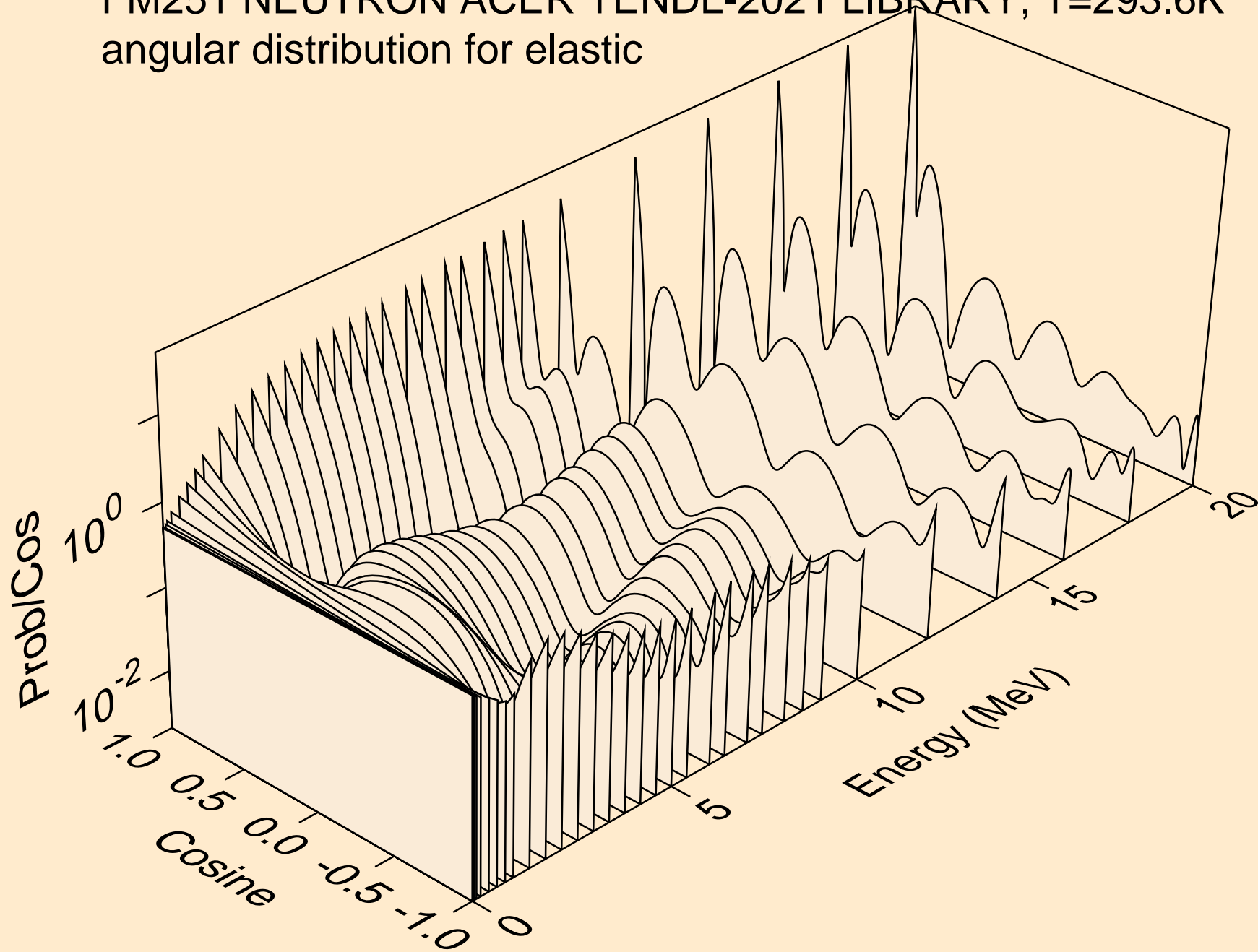
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



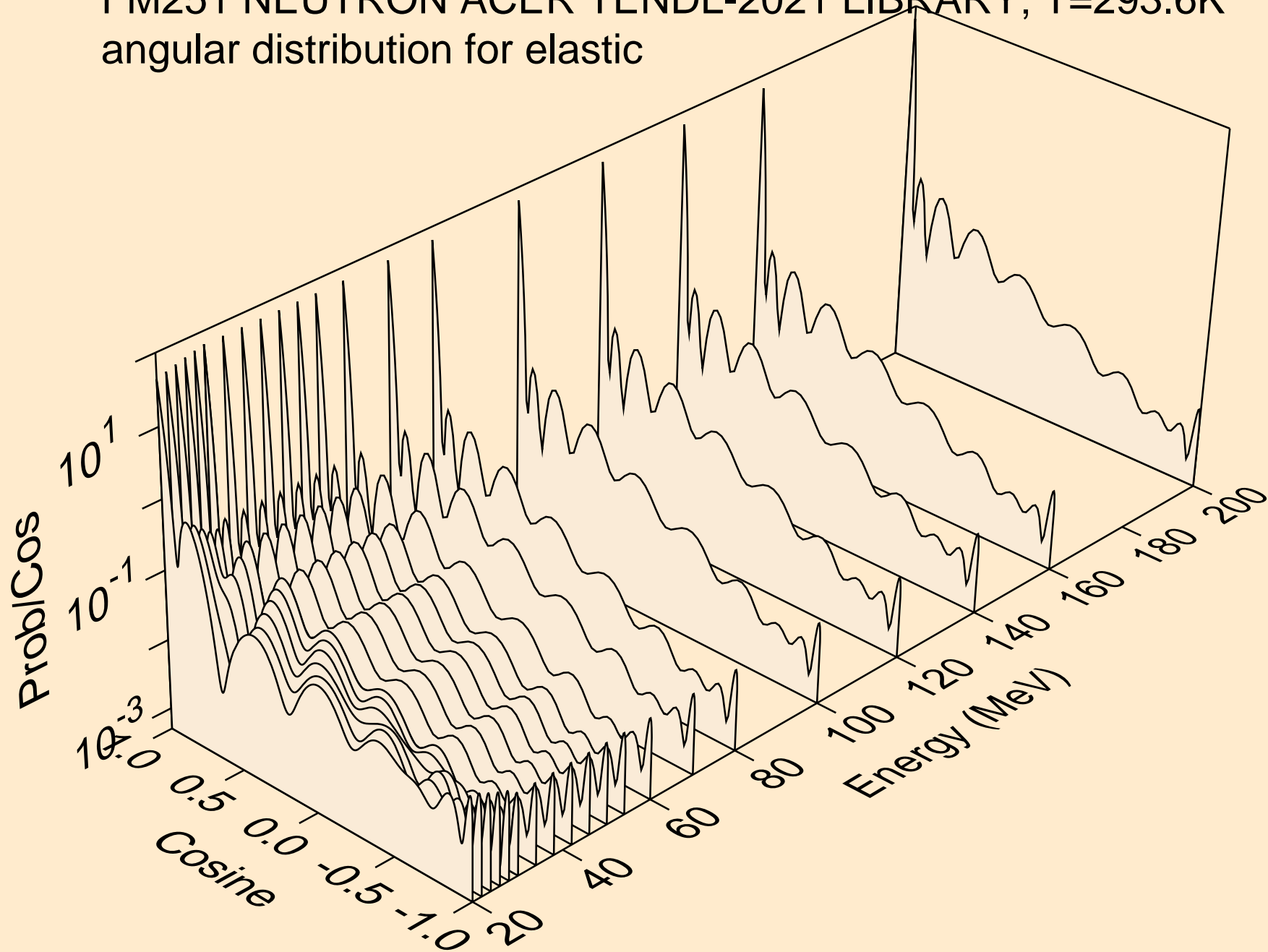
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



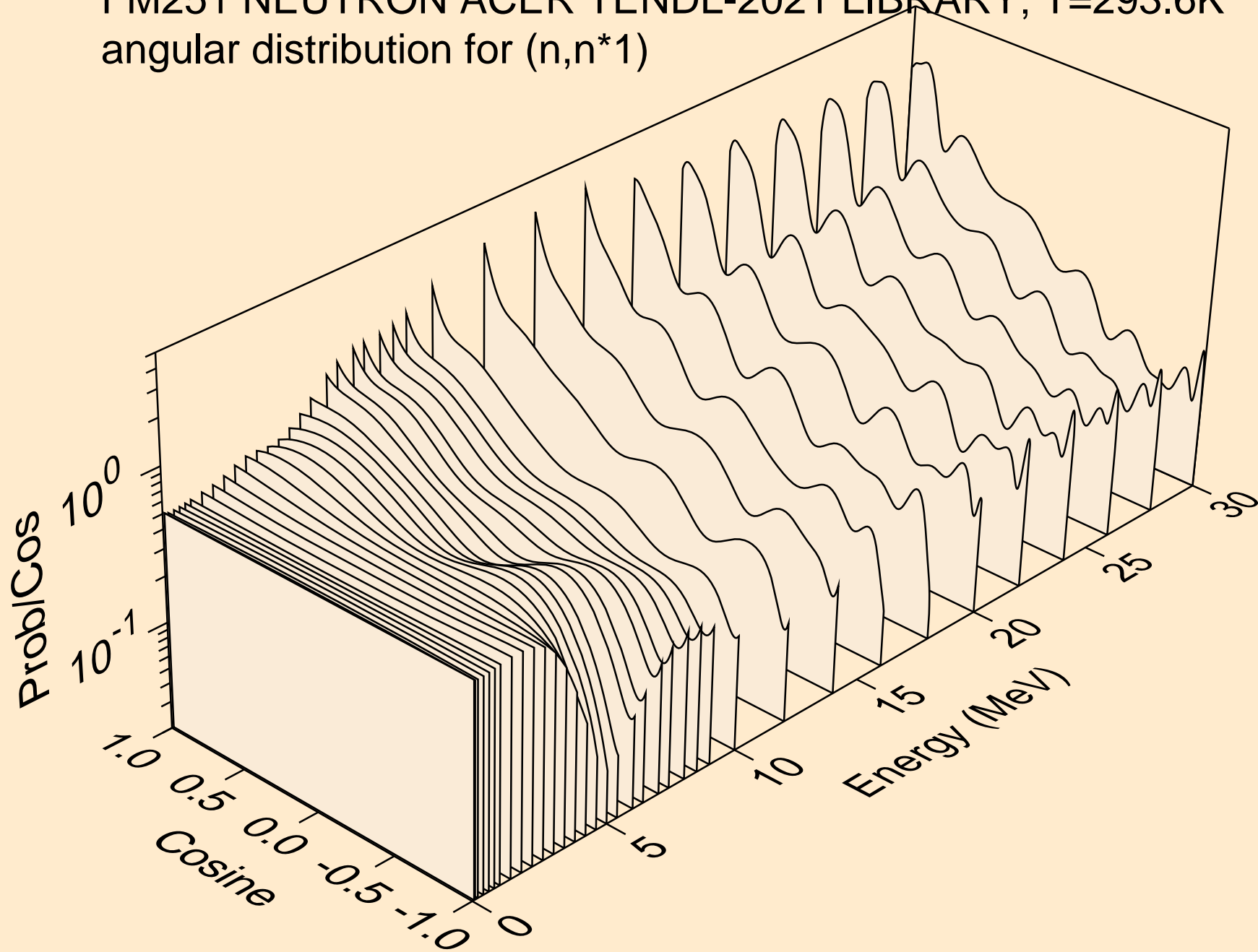
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



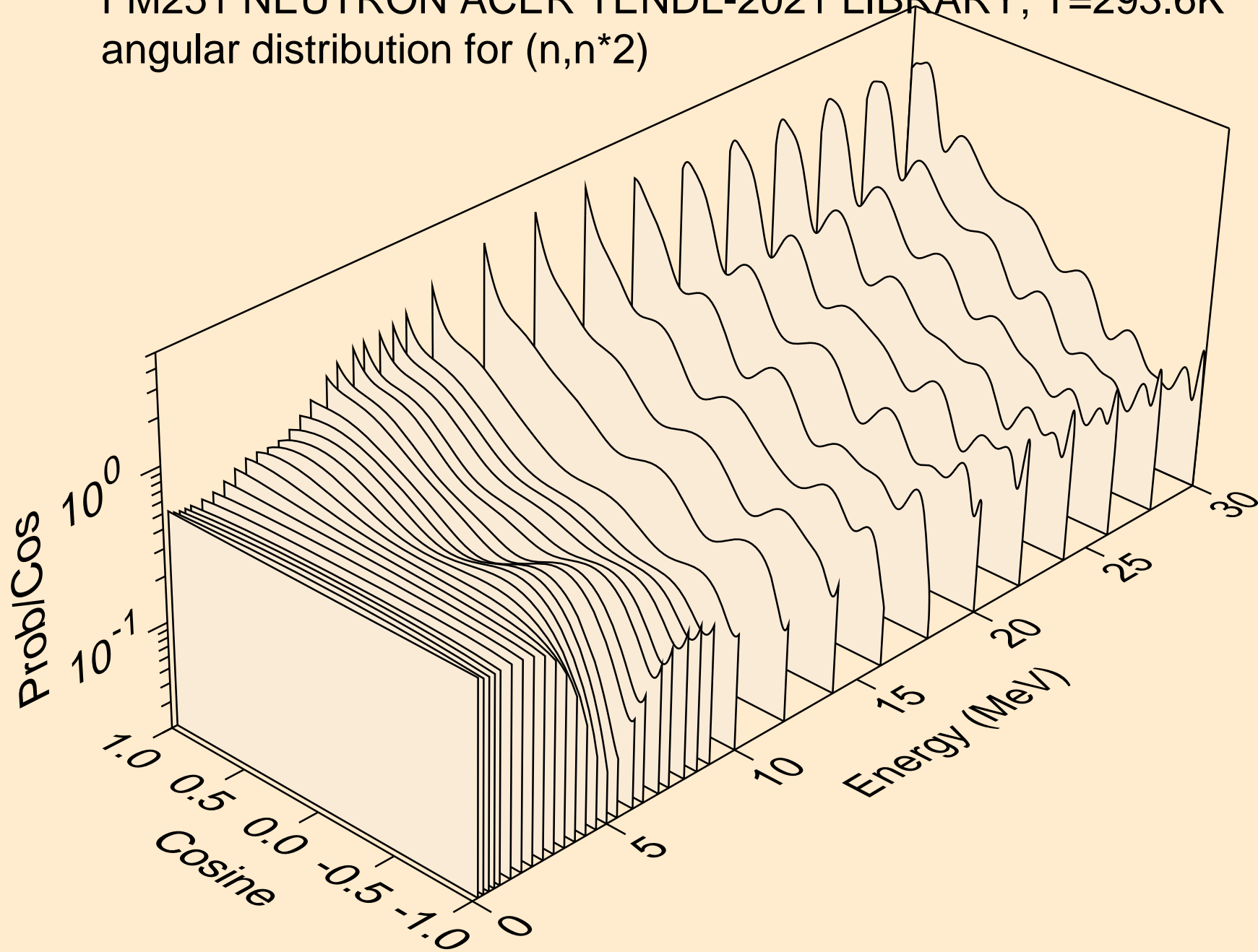
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



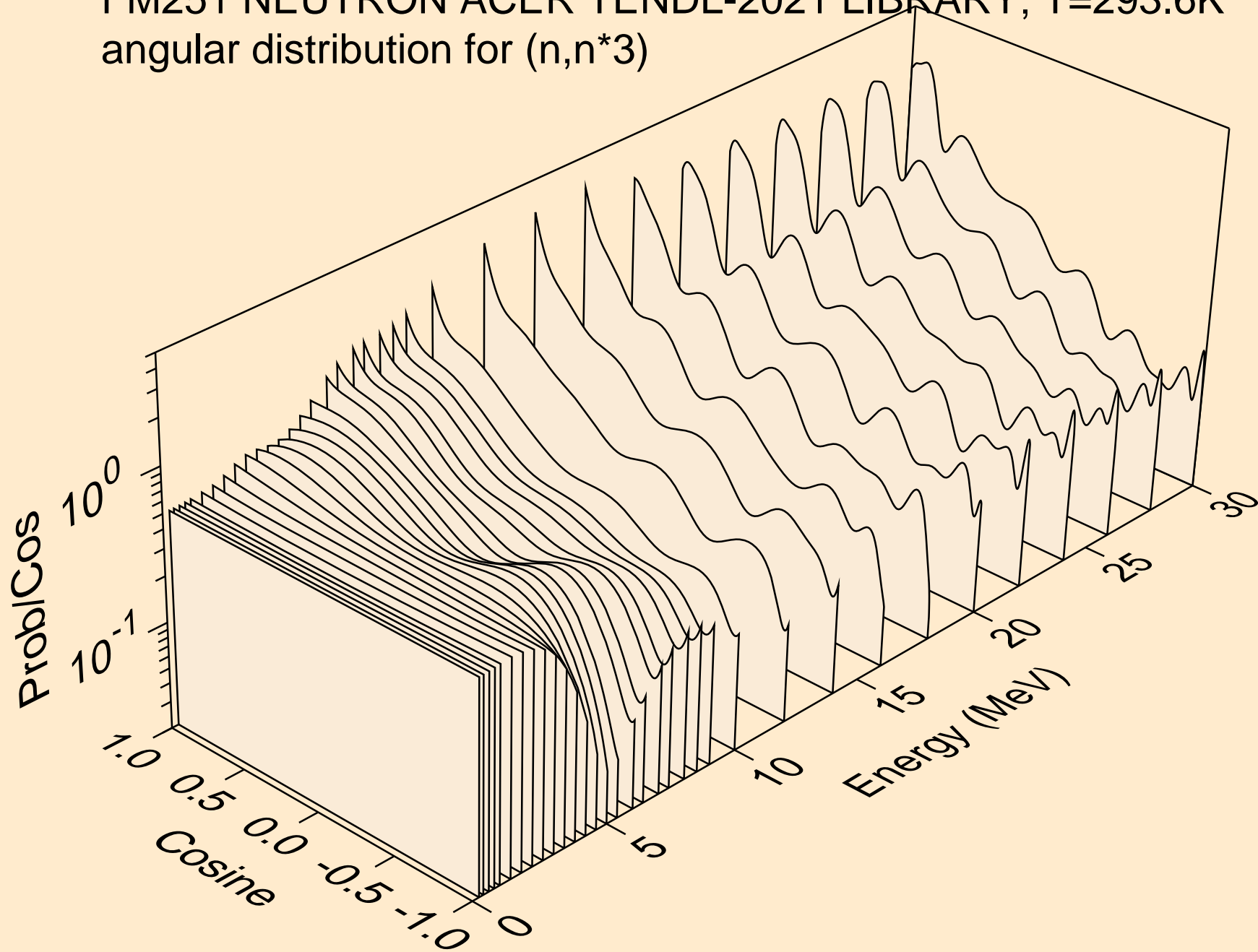
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



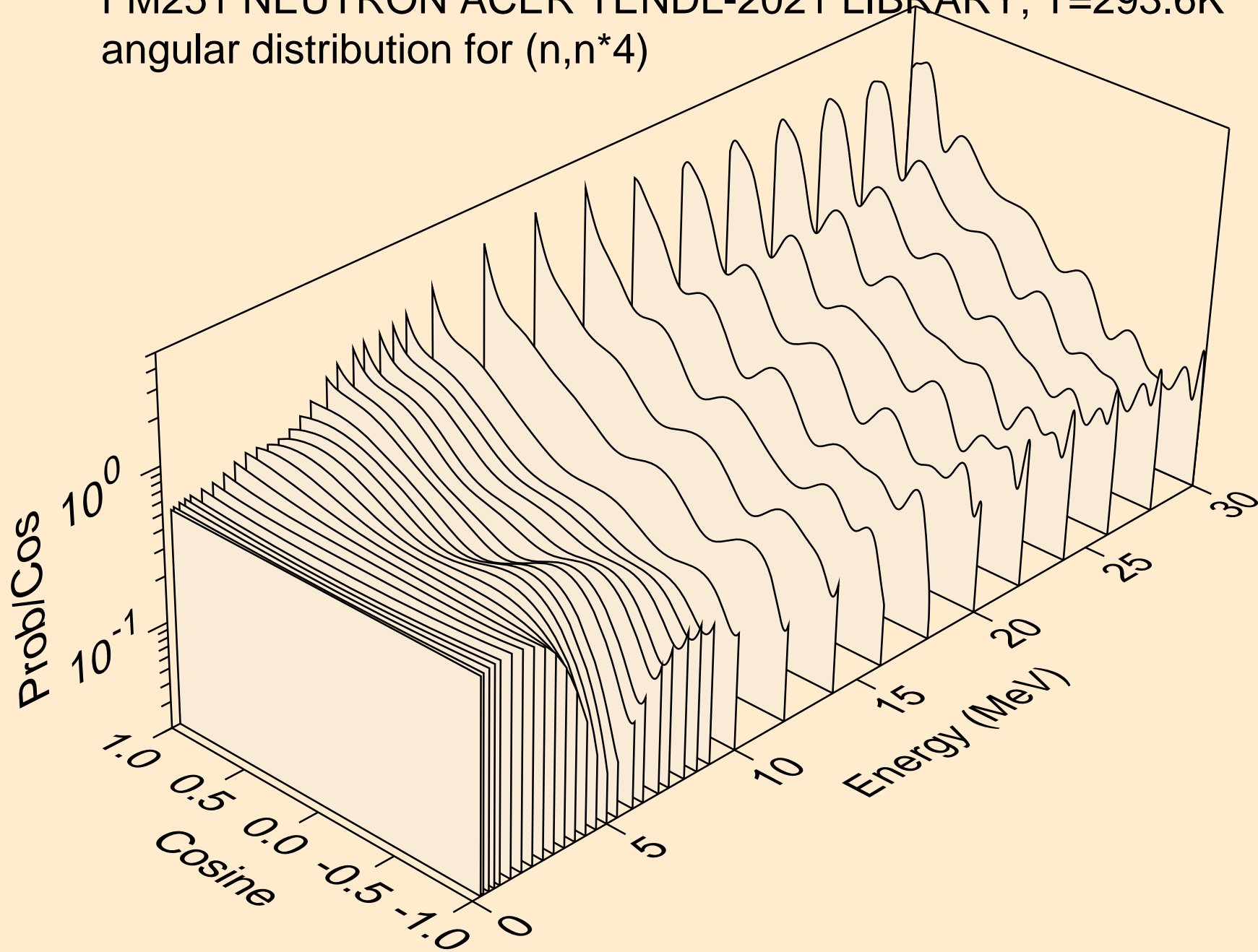
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)



FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)

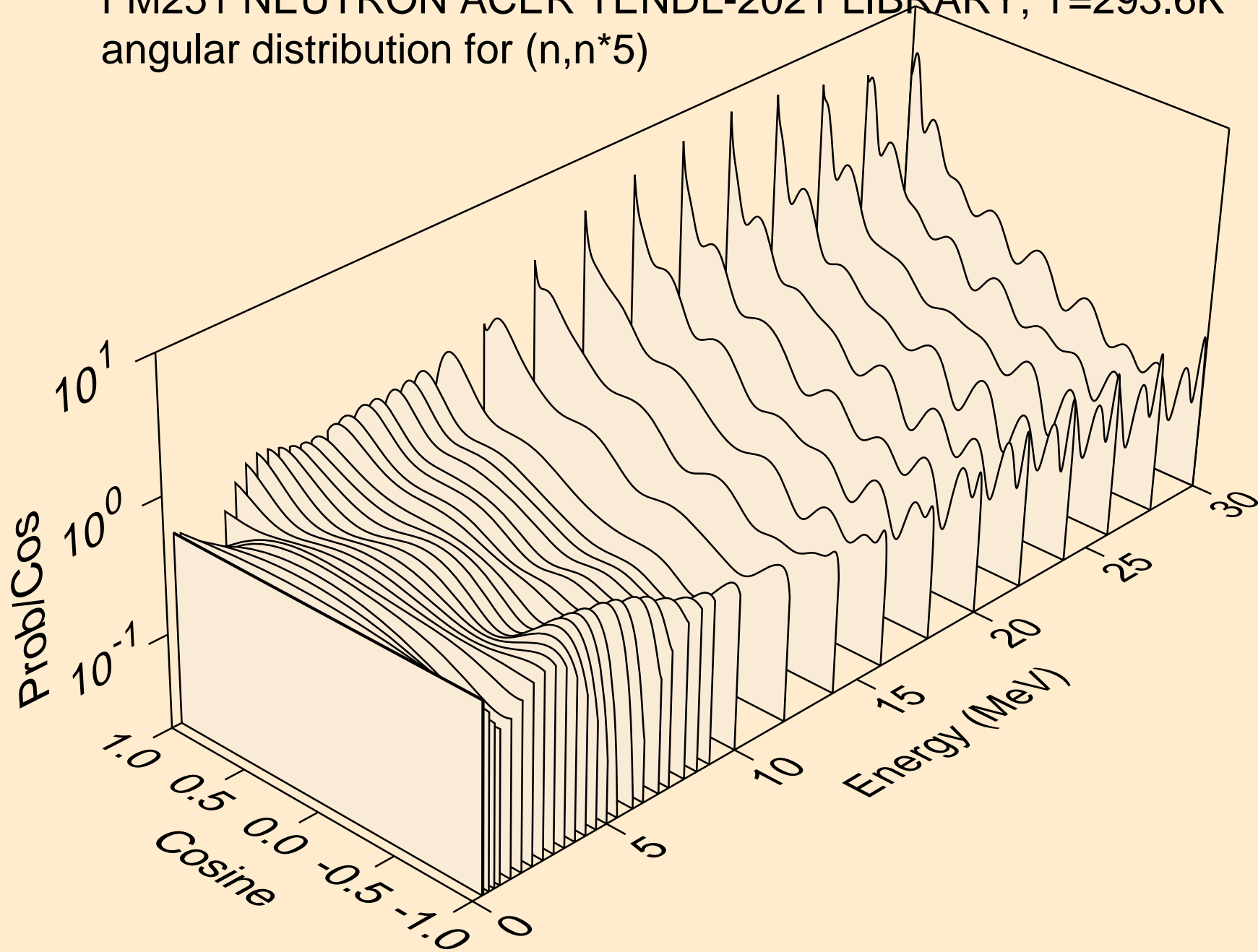


FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*4)

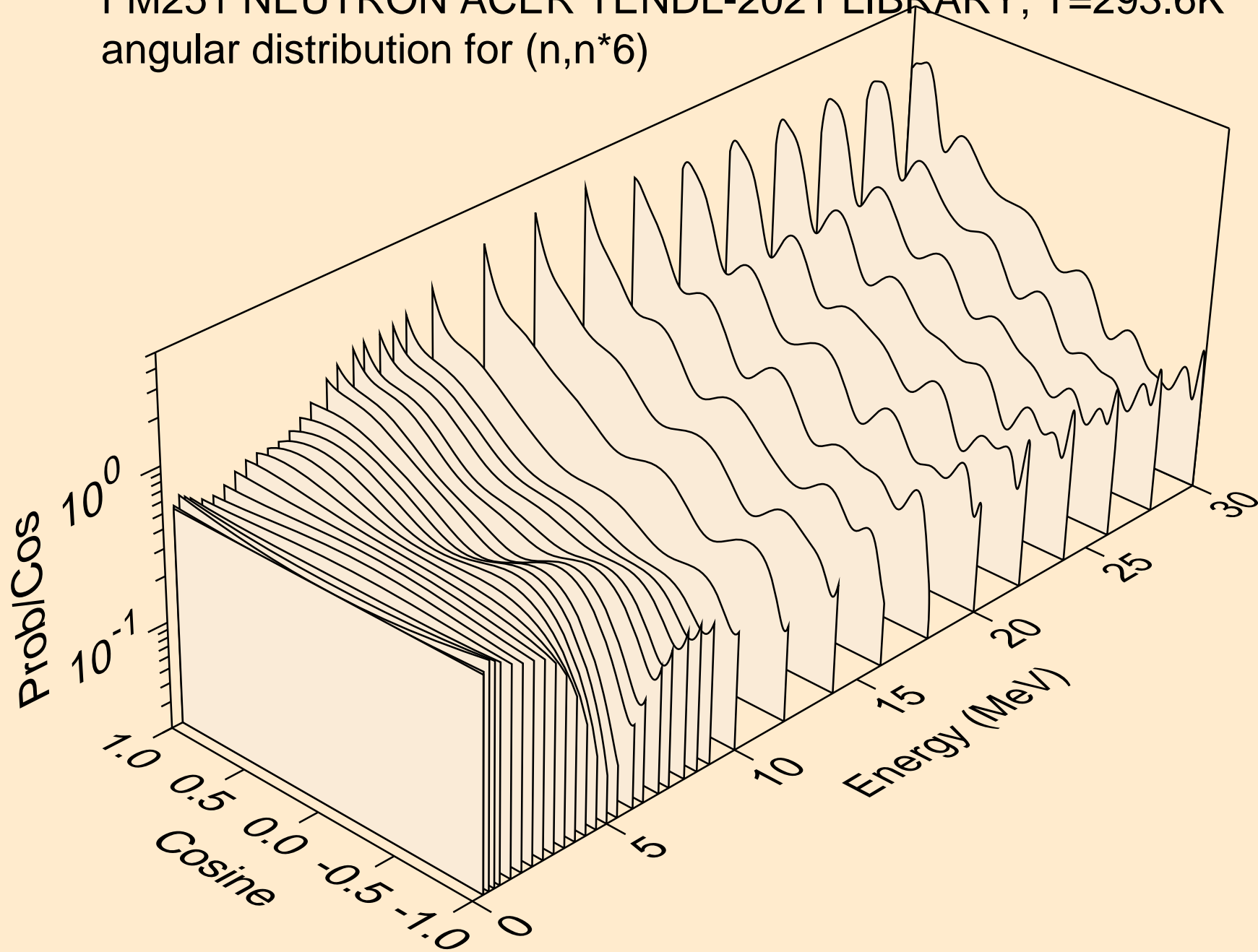




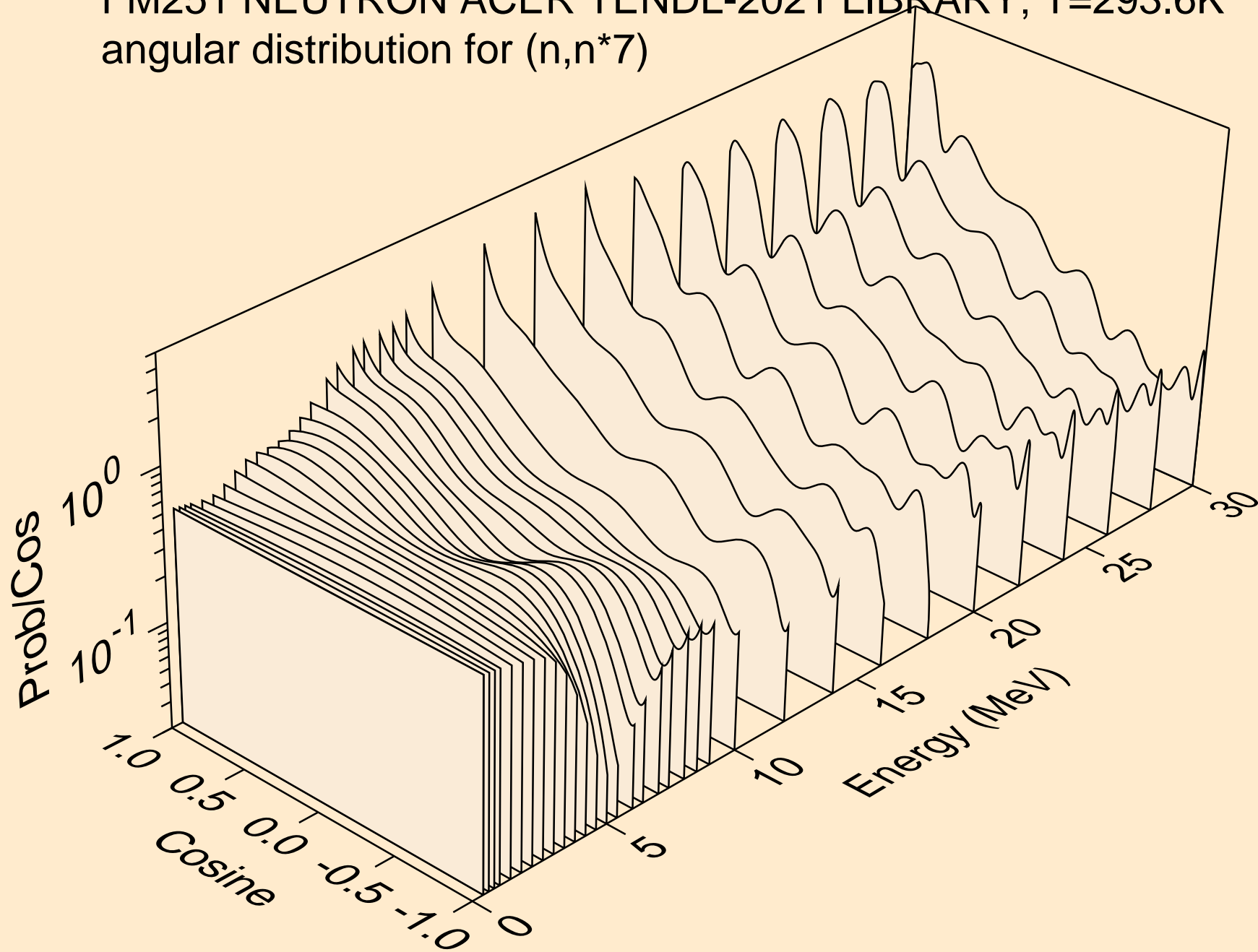
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angular distribution for (n,n\*5)



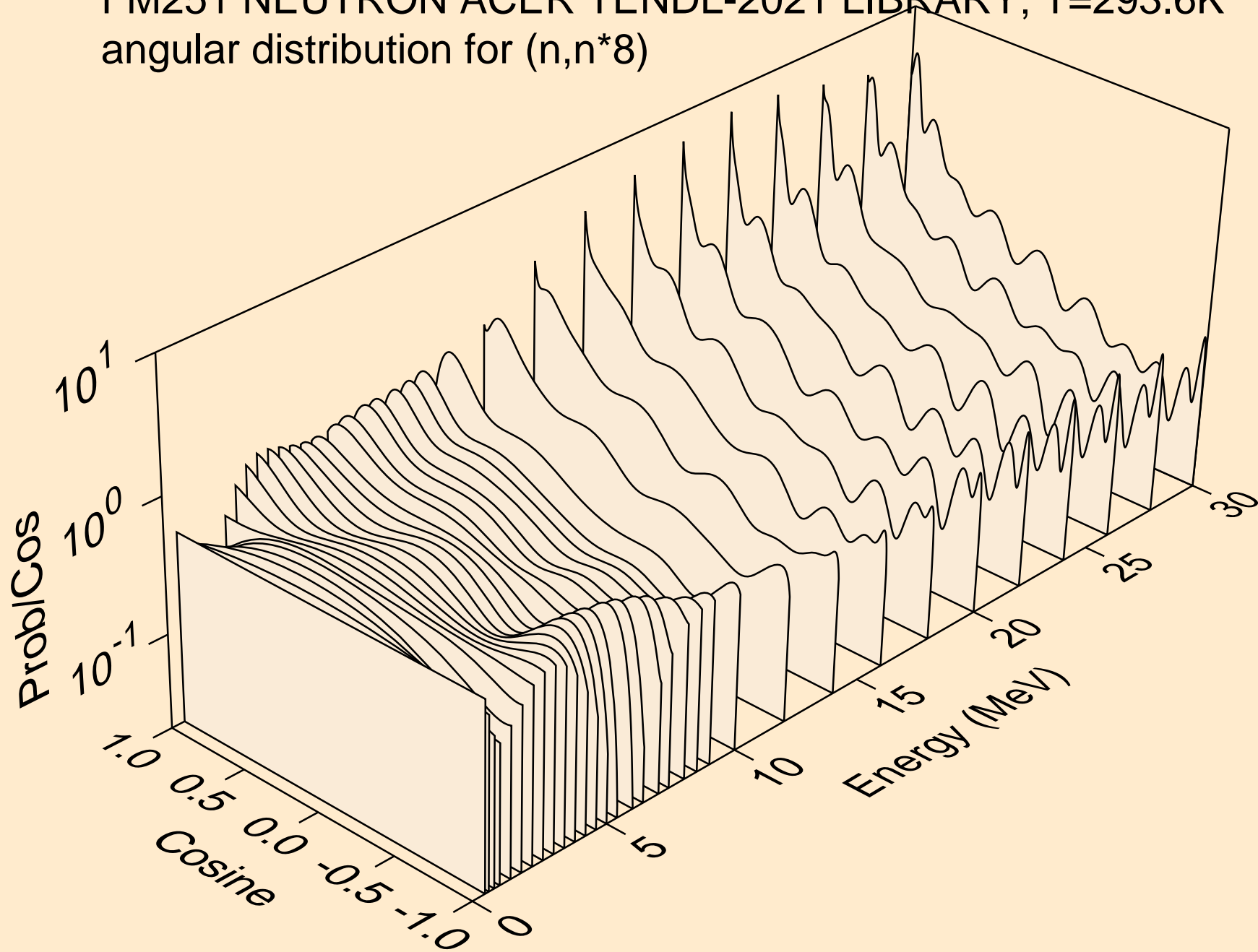
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angular distribution for (n,n\*6)



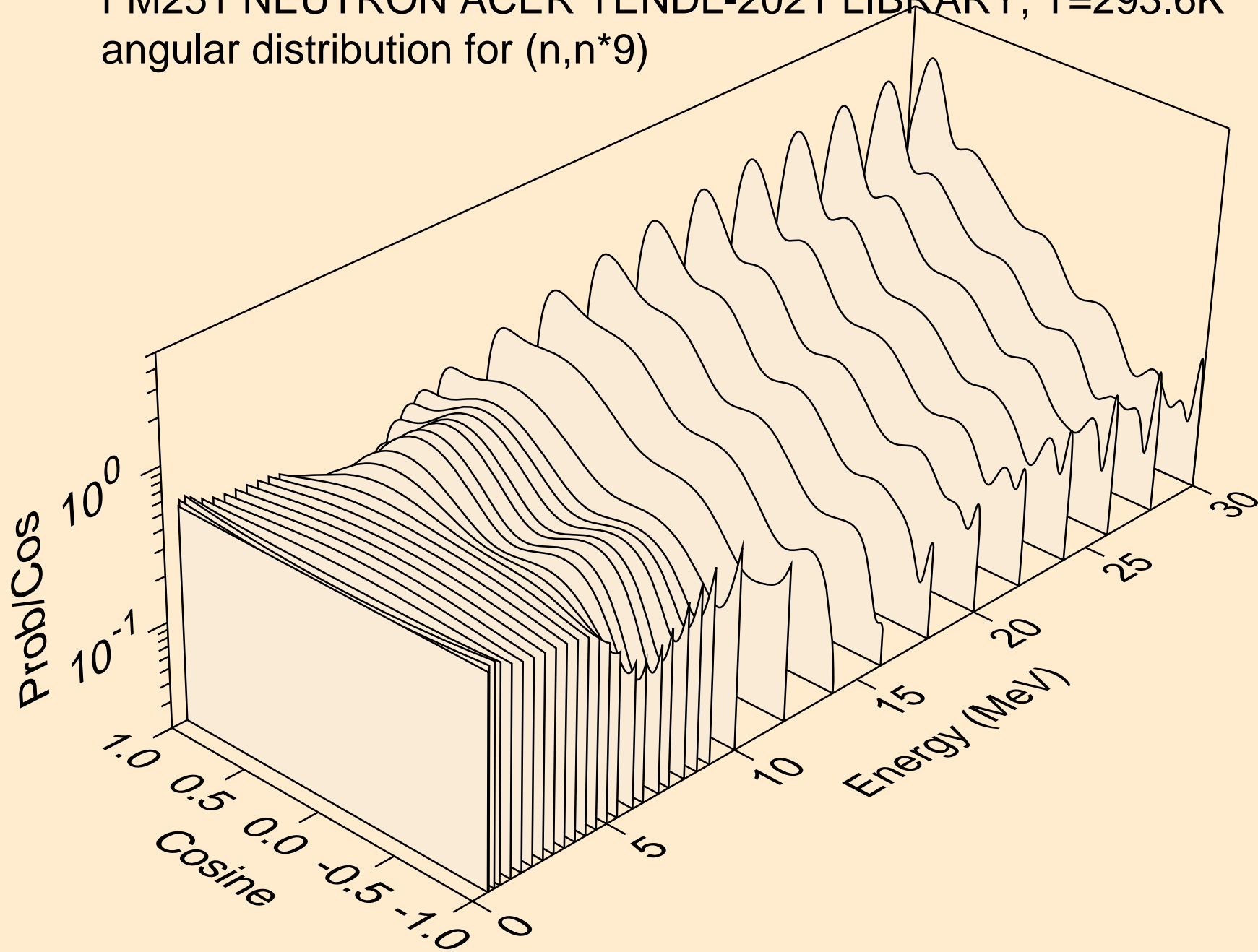
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angular distribution for (n,n\*7)



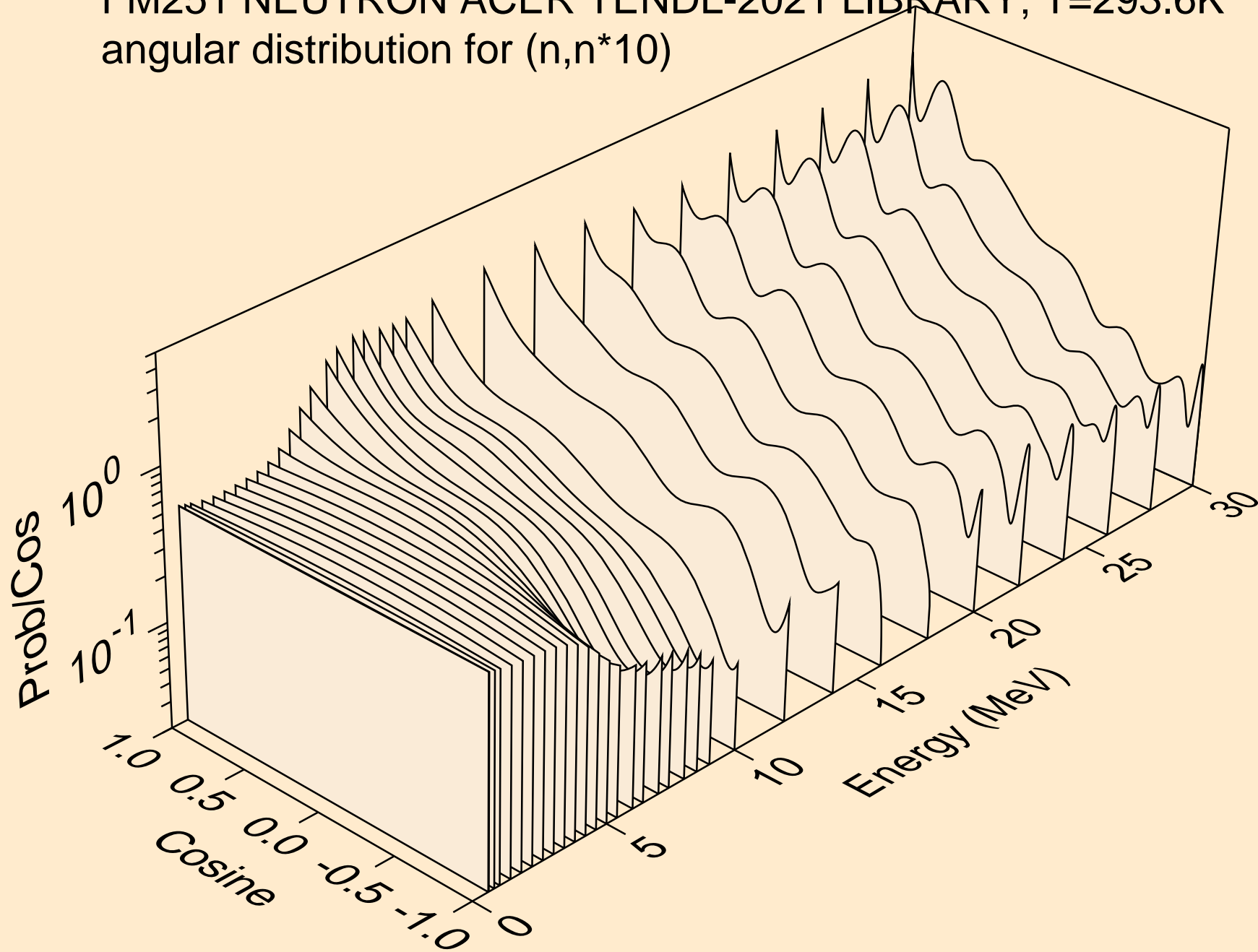
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angular distribution for (n,n\*8)



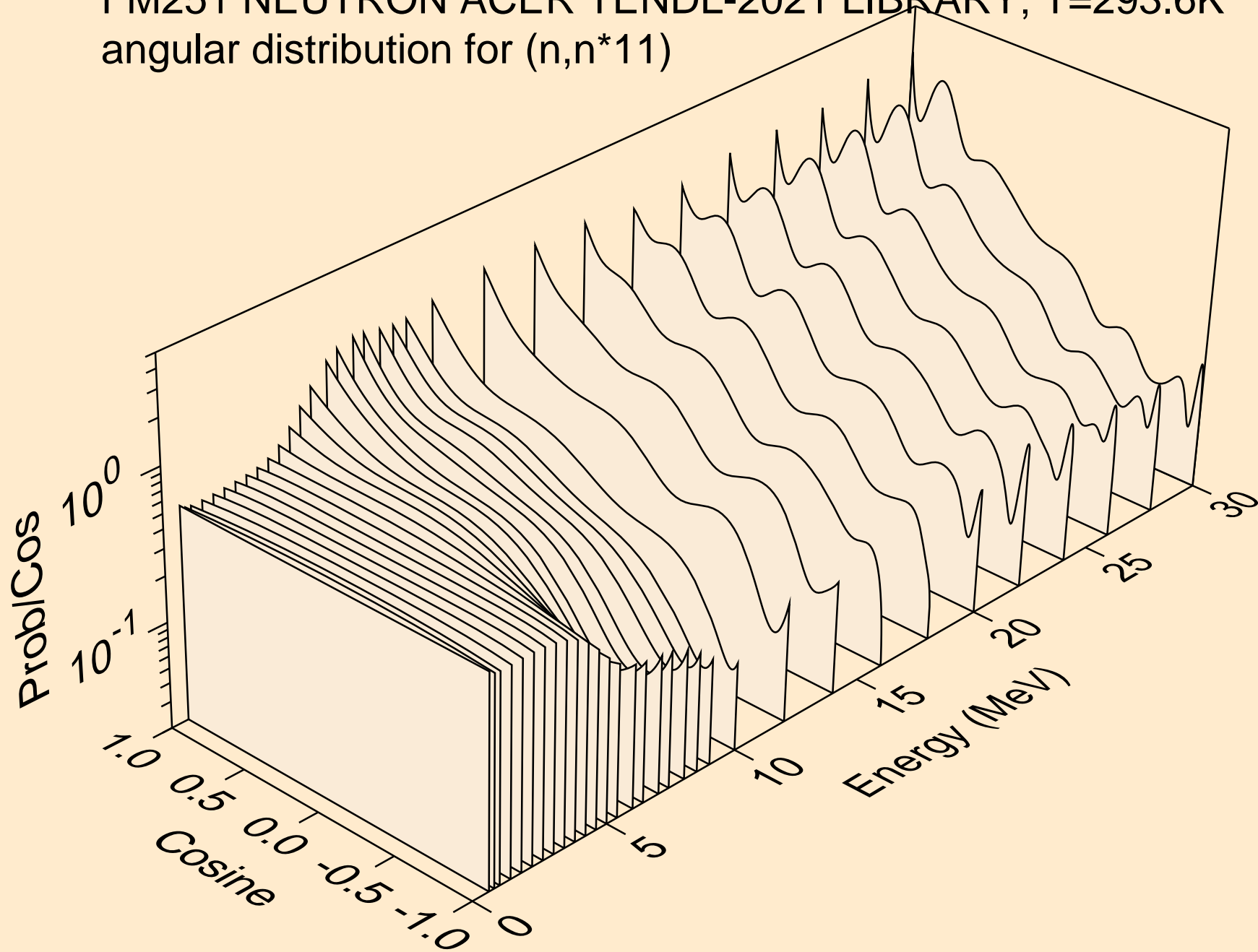
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angular distribution for (n,n\*9)



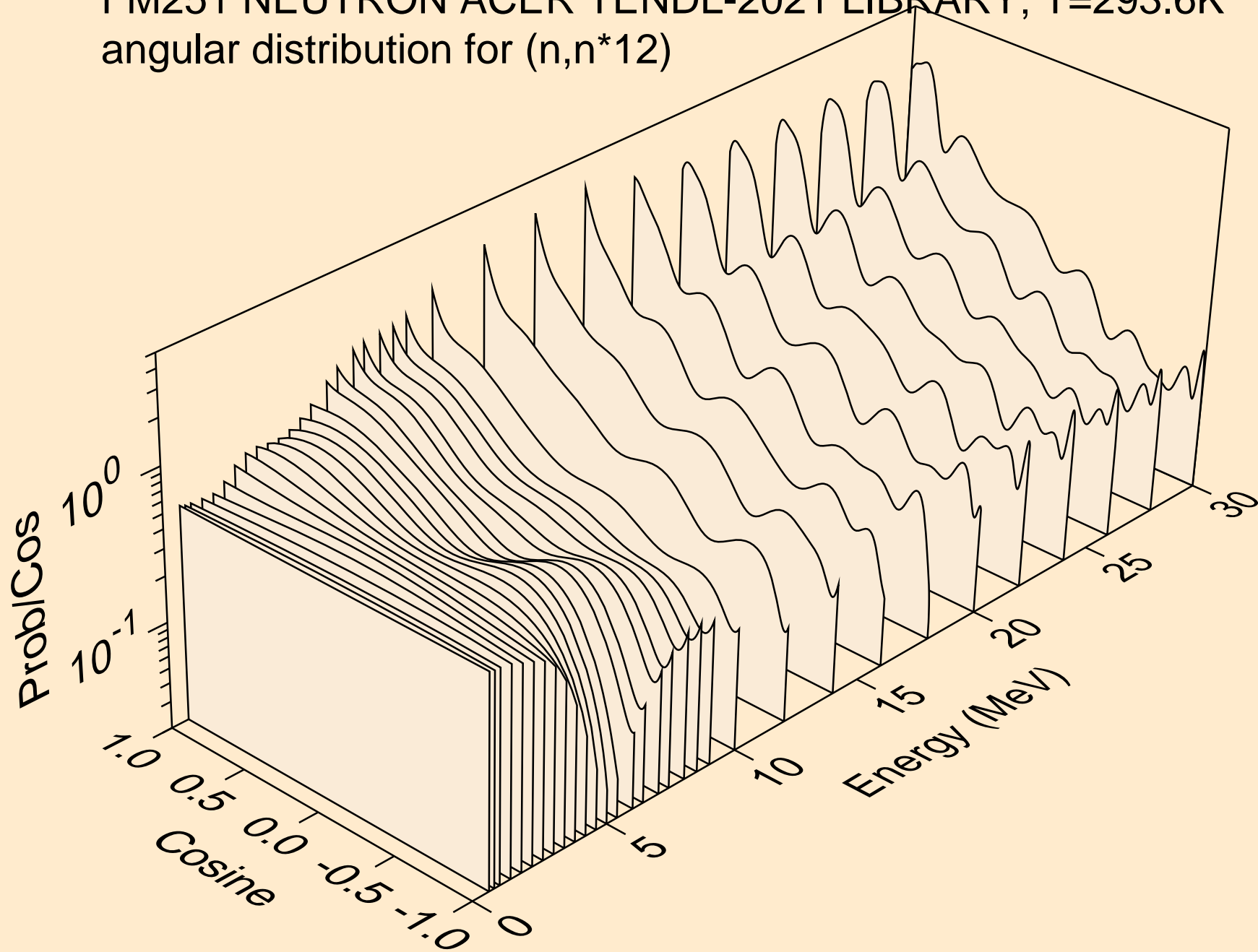
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*10)



FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*11)

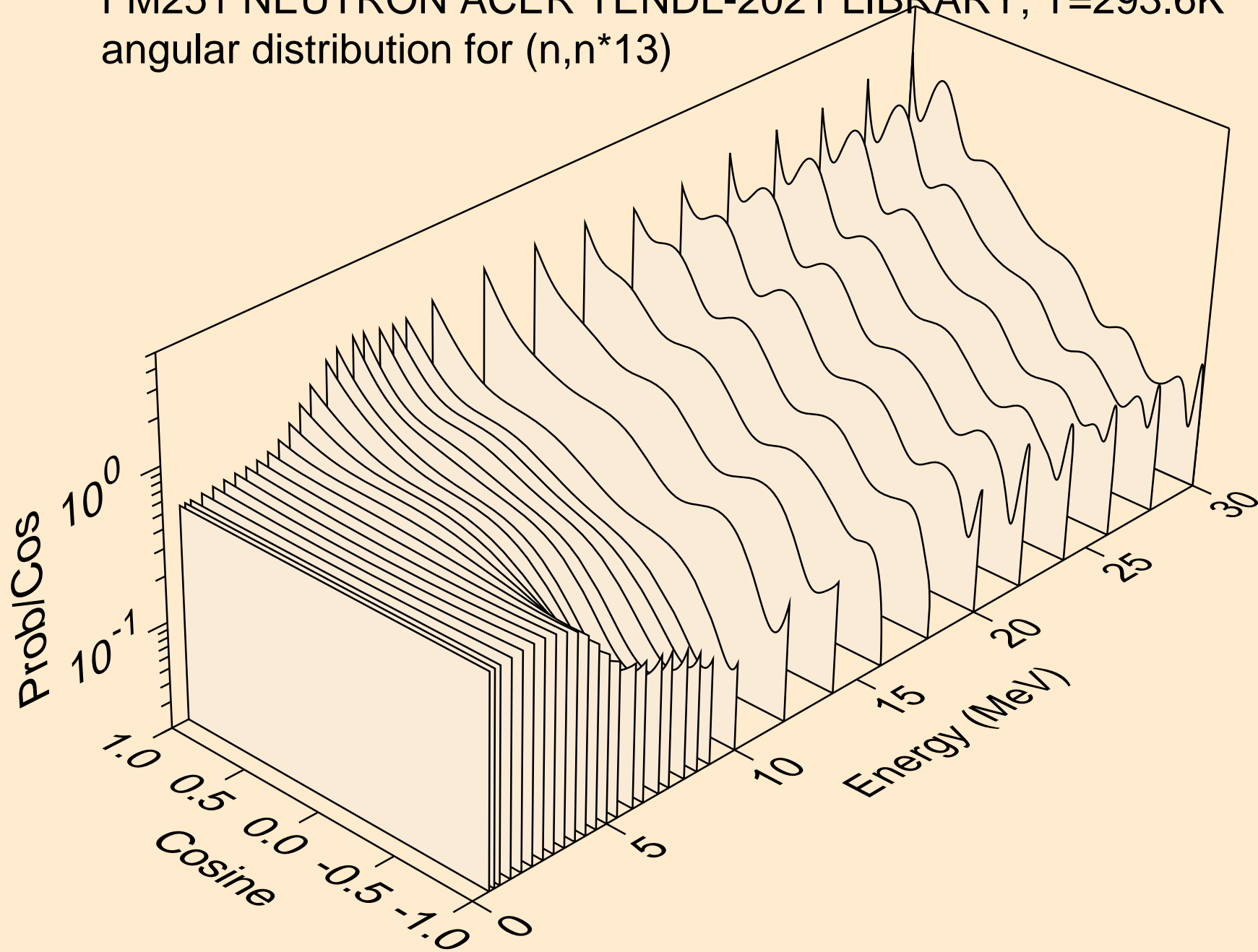


FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*12)

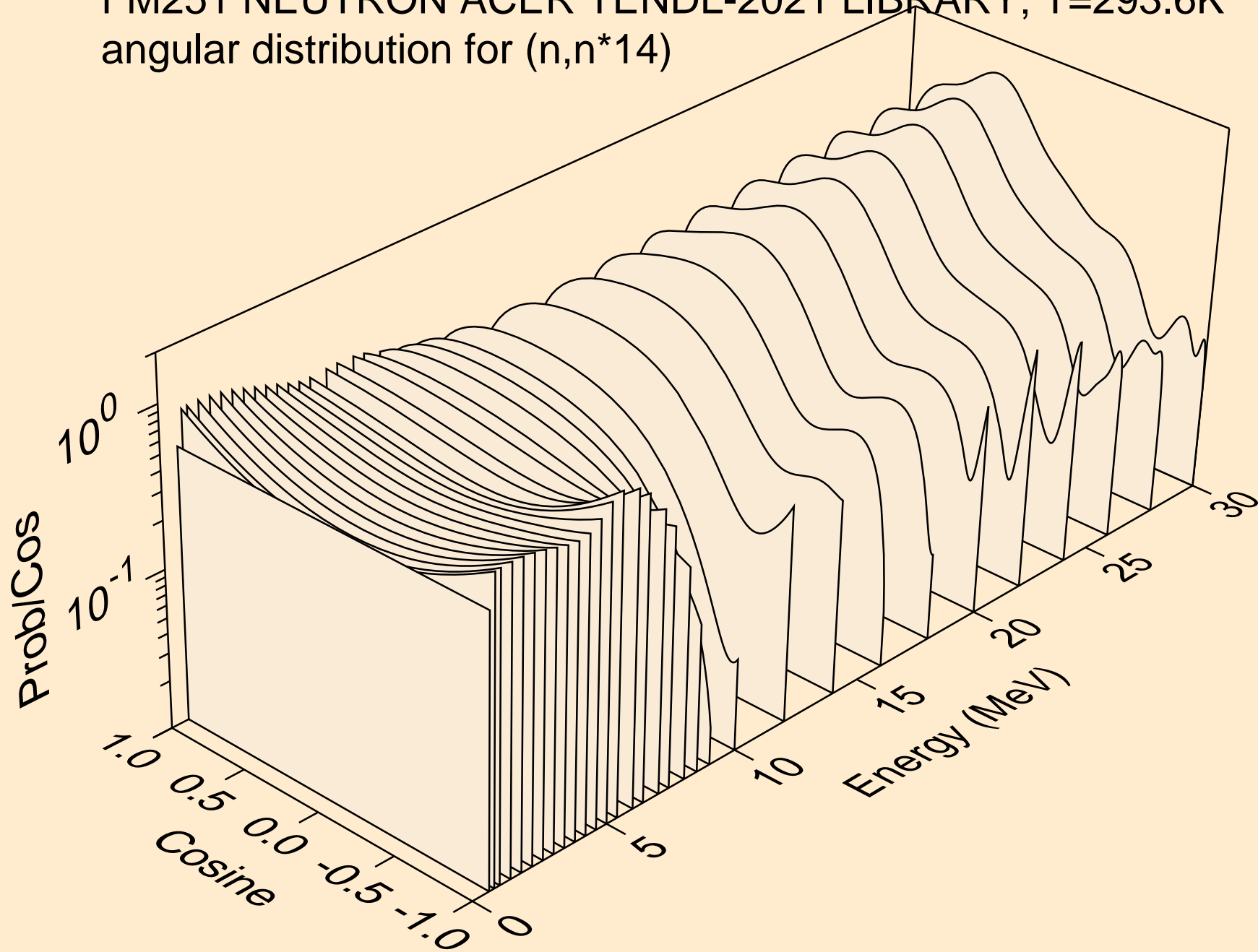




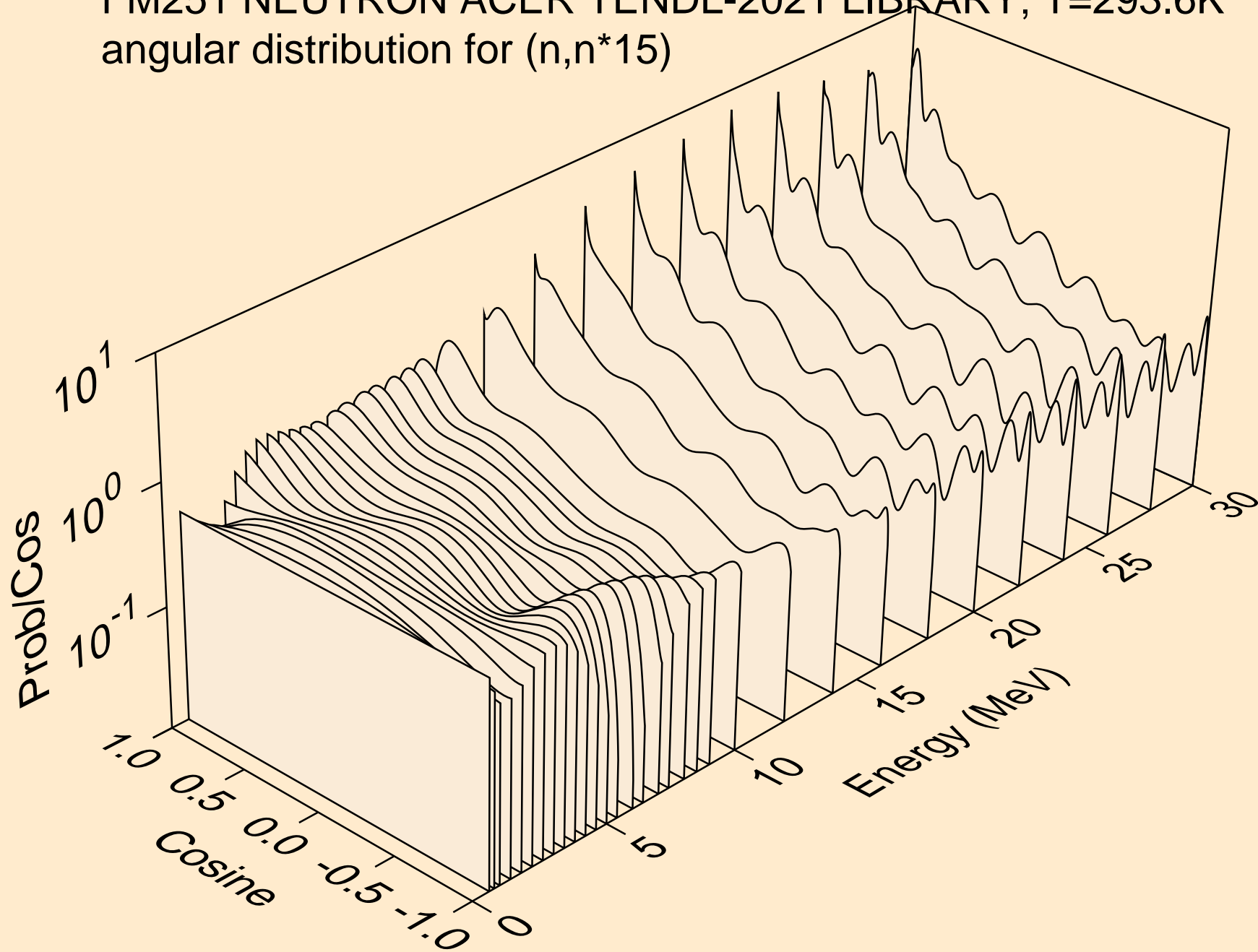
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angular distribution for (n,n\*13)



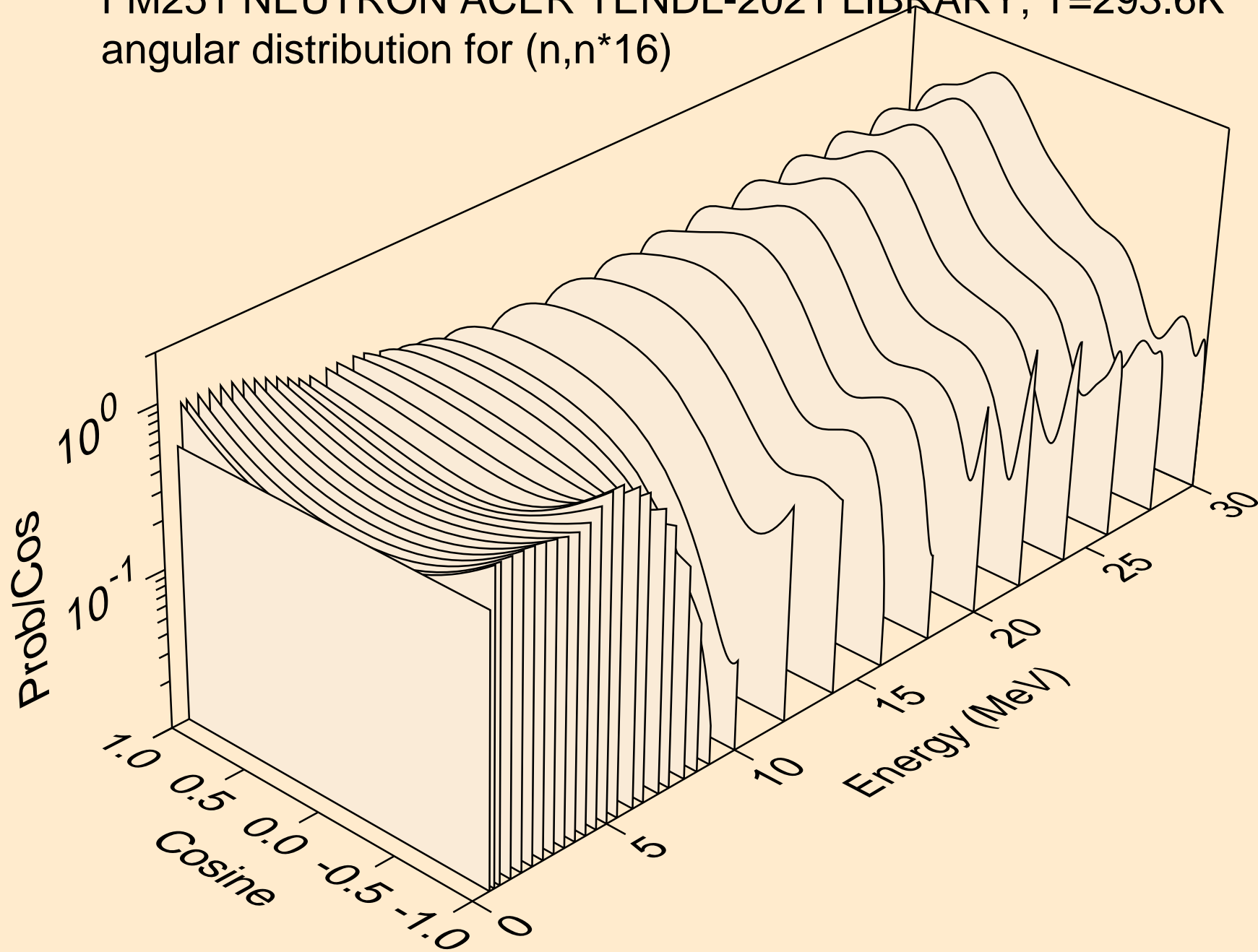
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angular distribution for (n,n\*14)



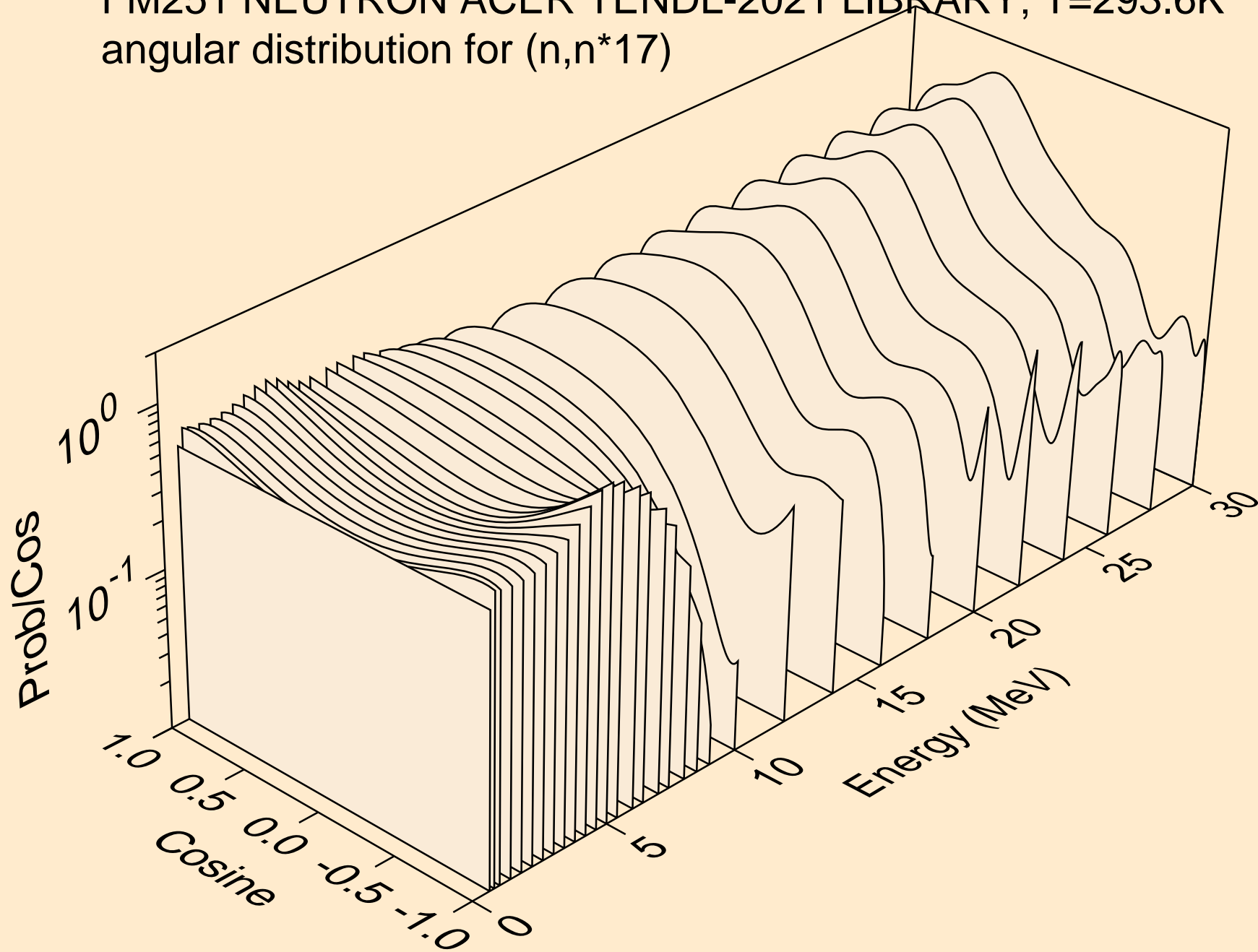
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angular distribution for (n,n\*15)



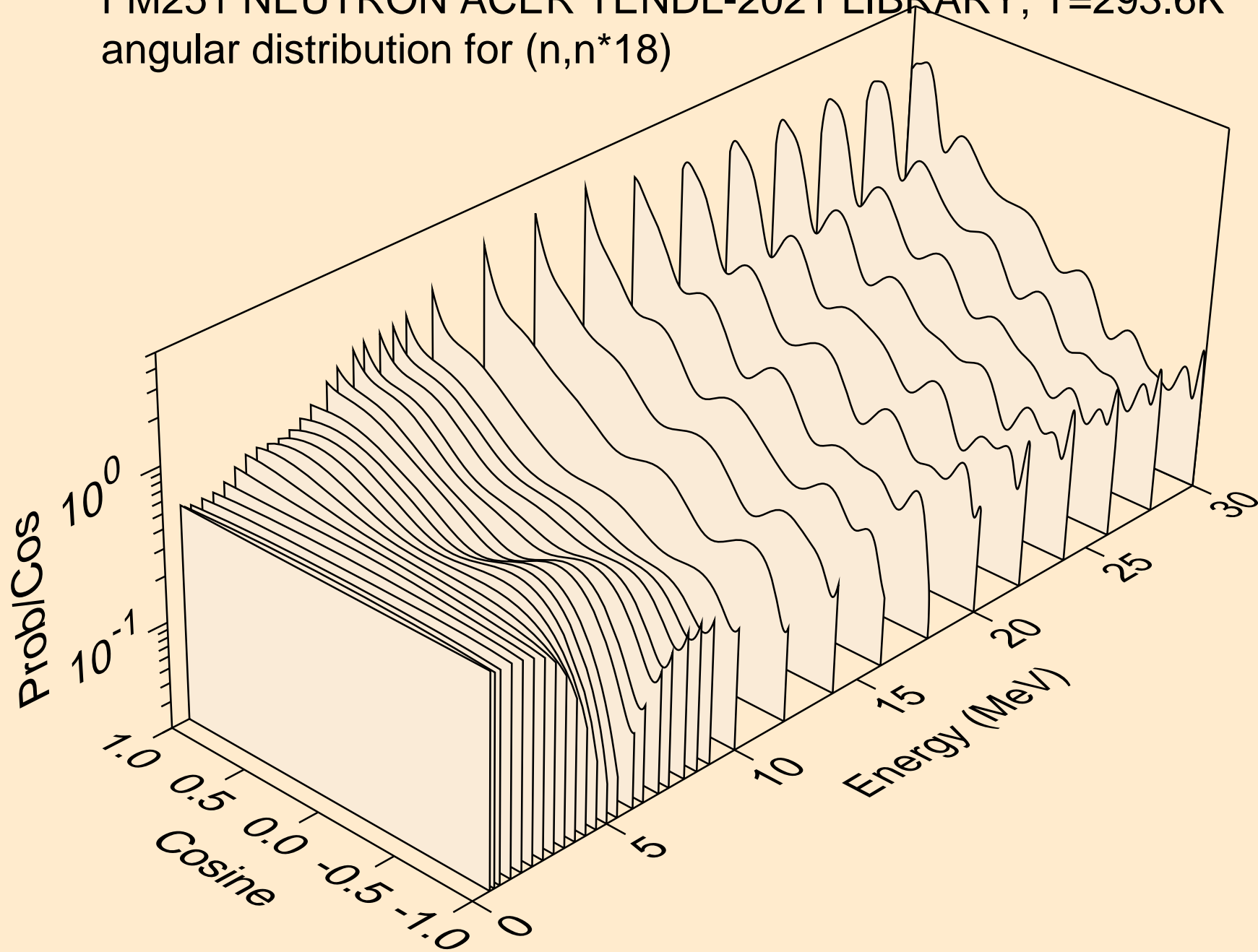
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angular distribution for (n,n\*16)



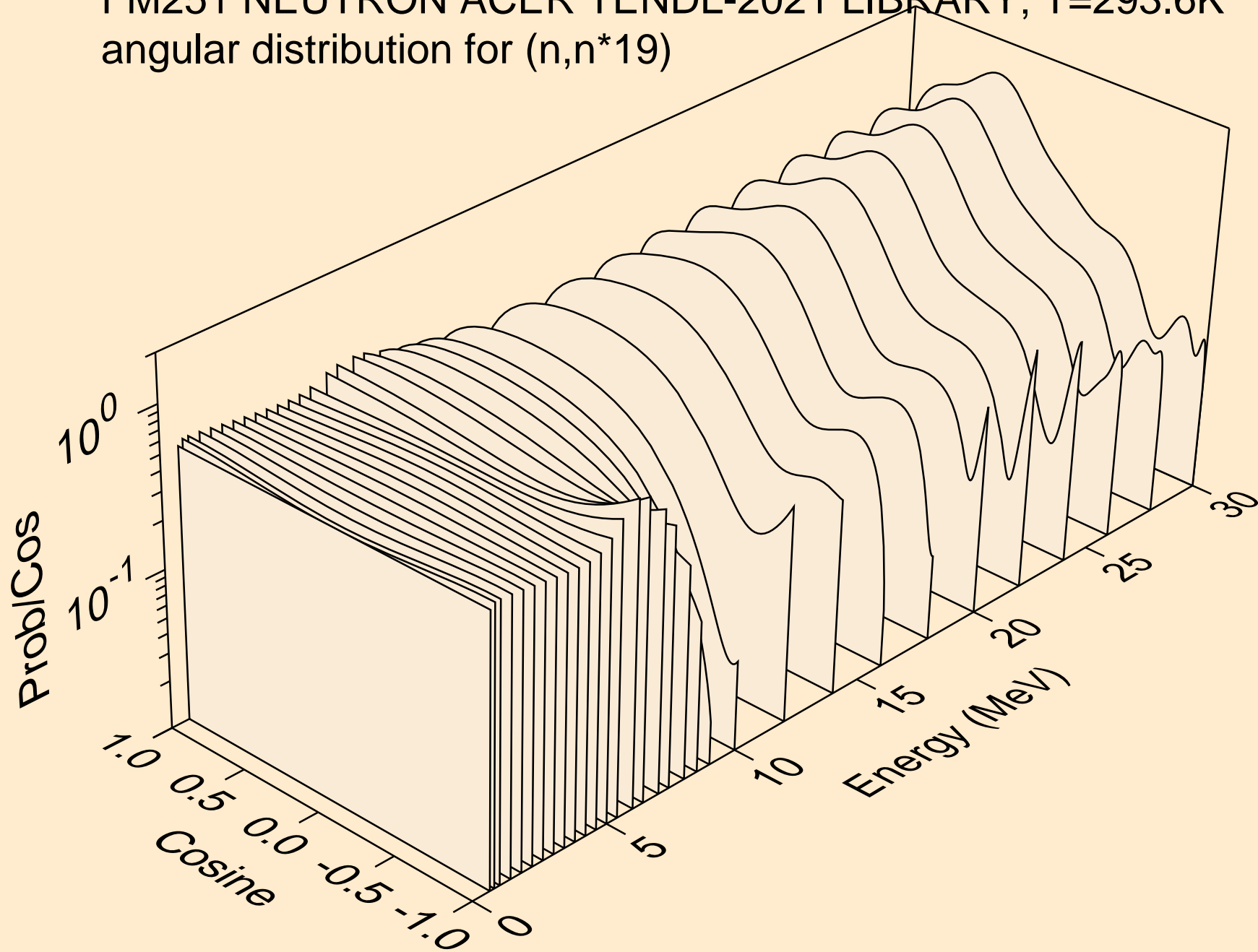
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angular distribution for (n,n\*17)



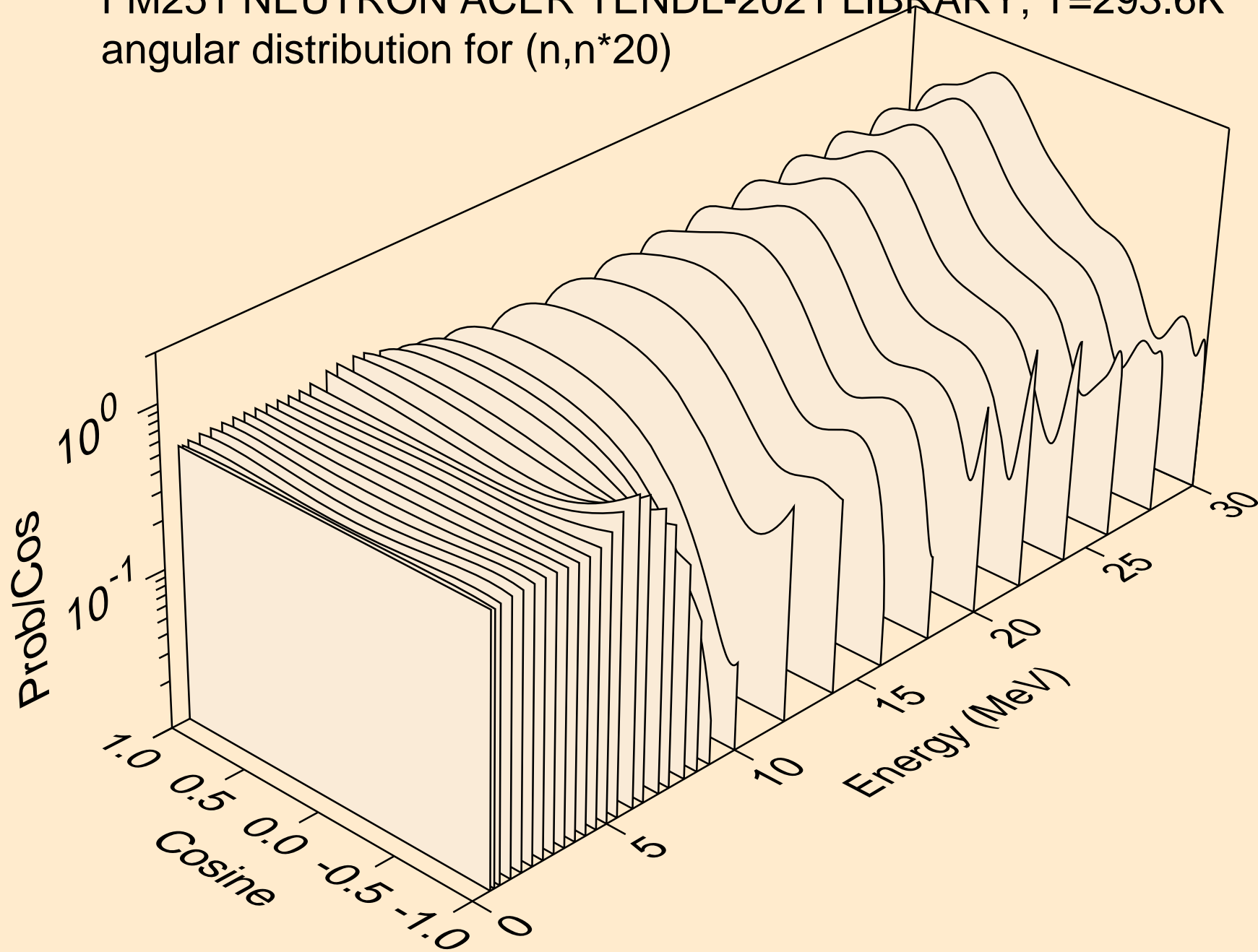
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*18)



FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*19)

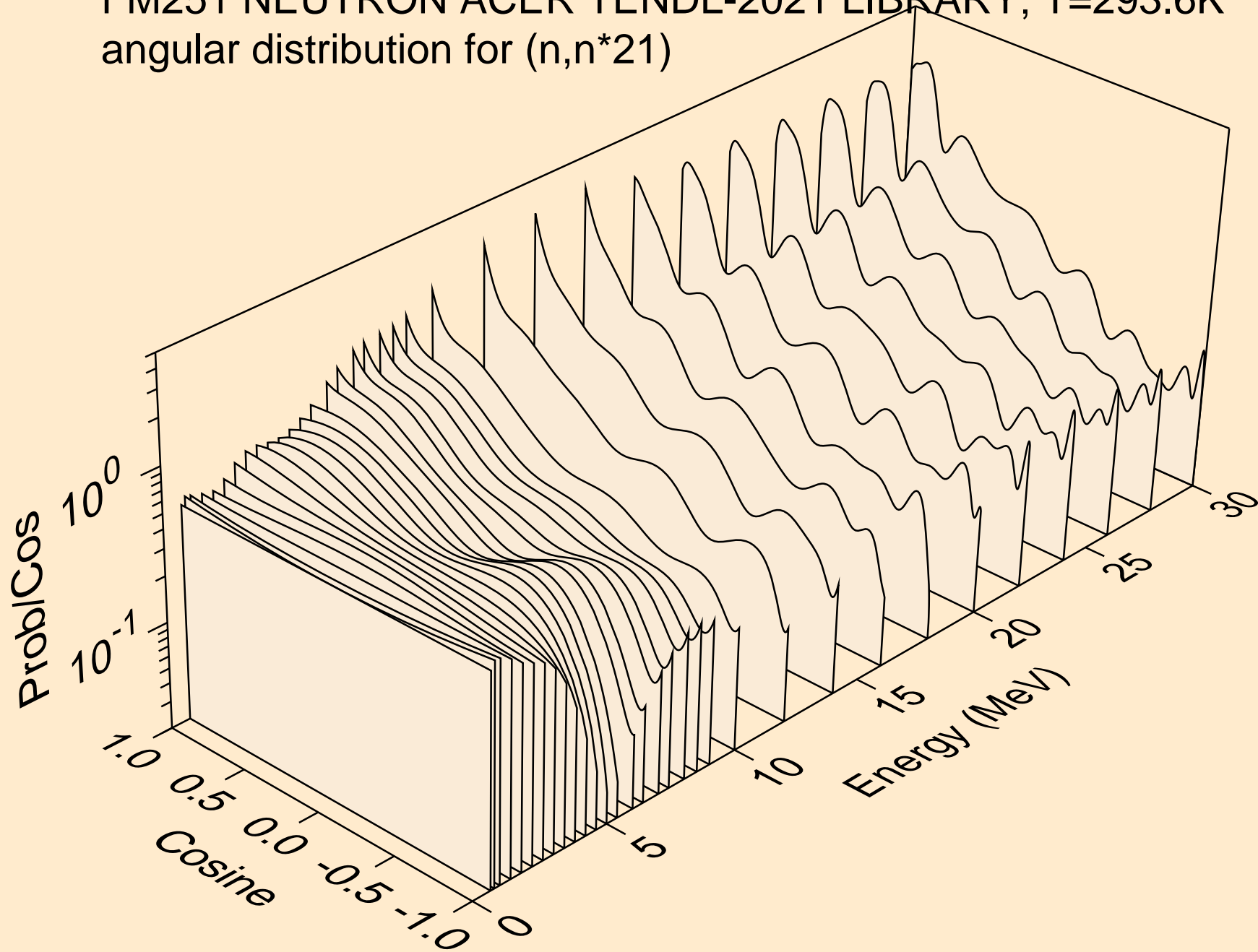


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angular distribution for (n,n\*20)

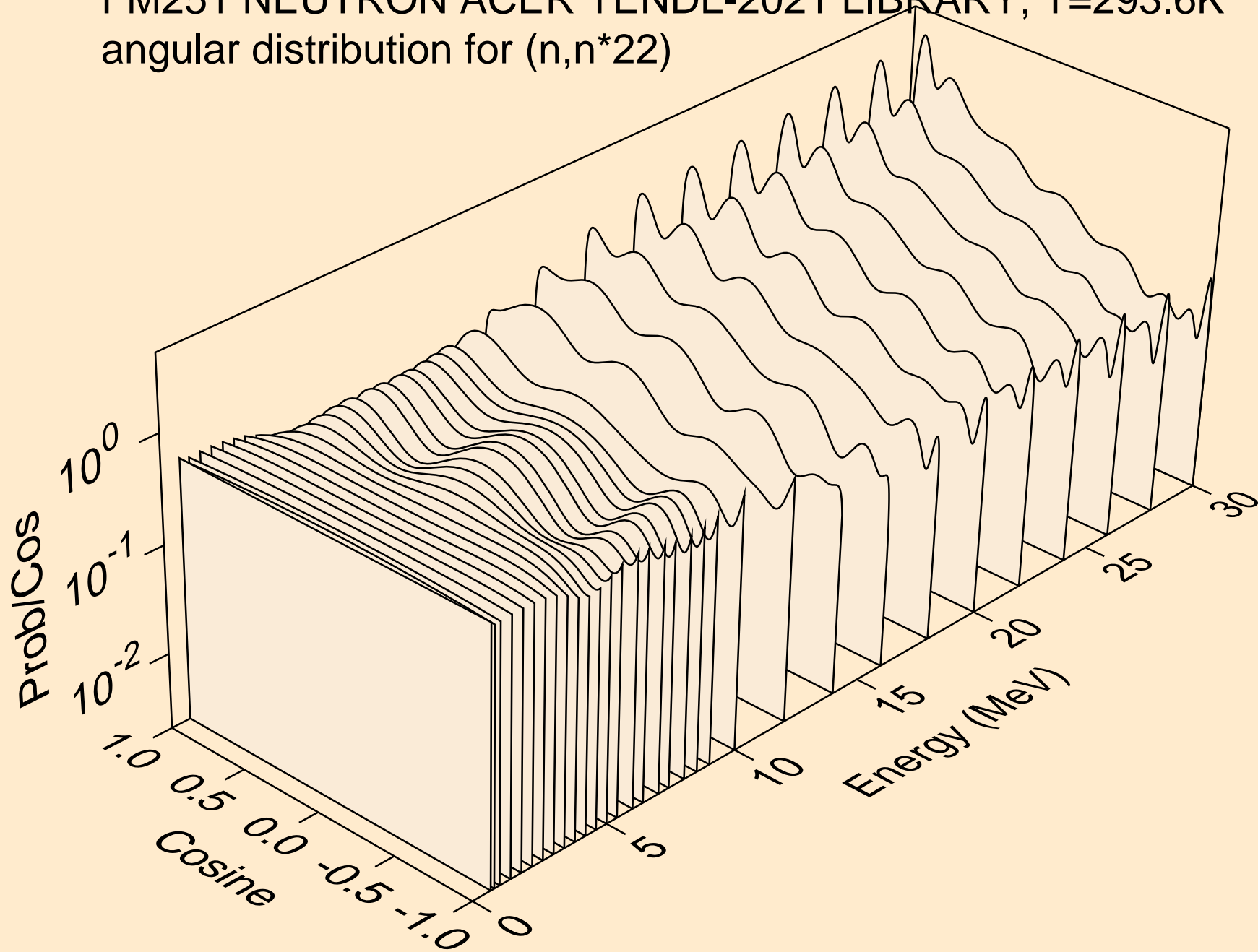




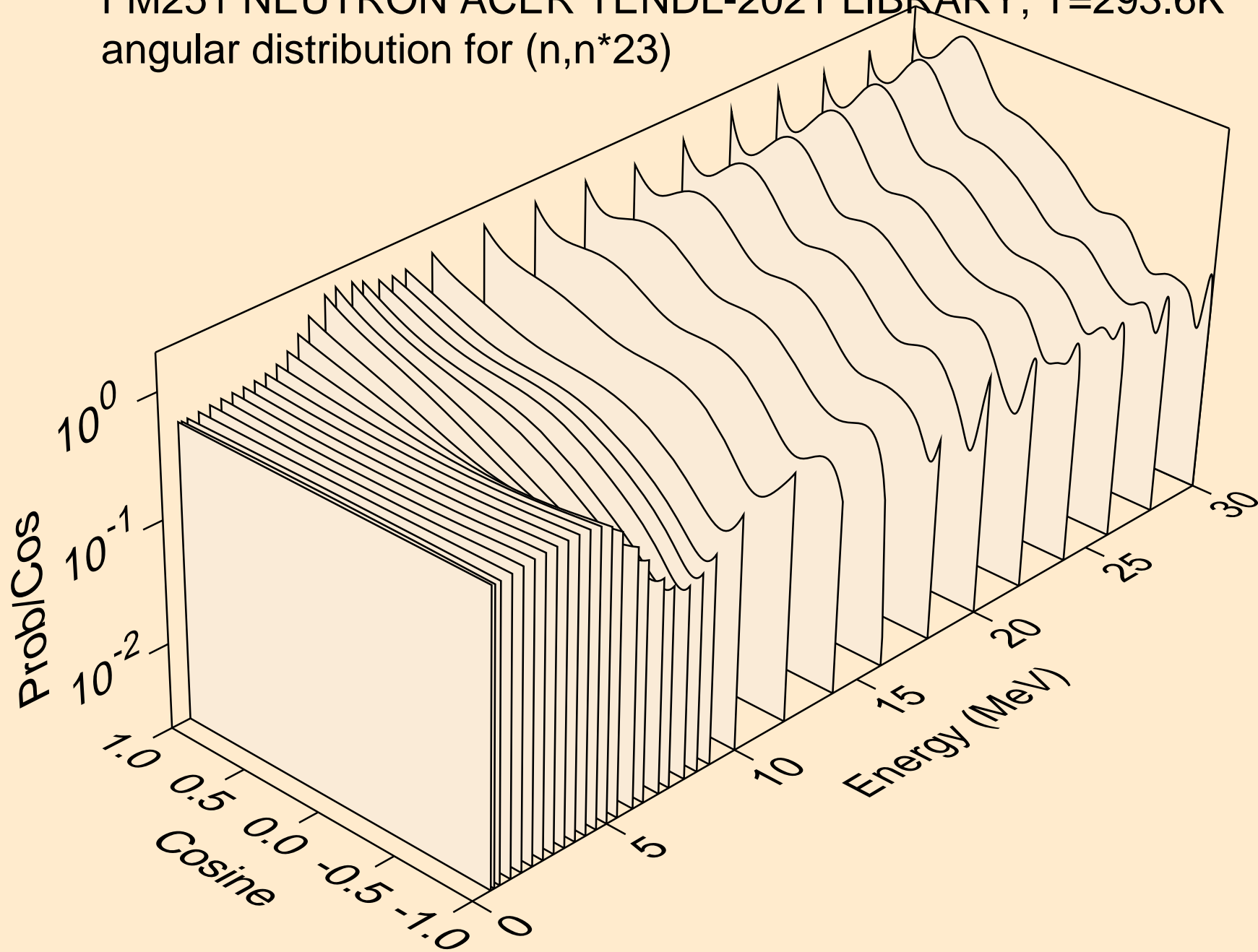
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angular distribution for (n,n\*21)



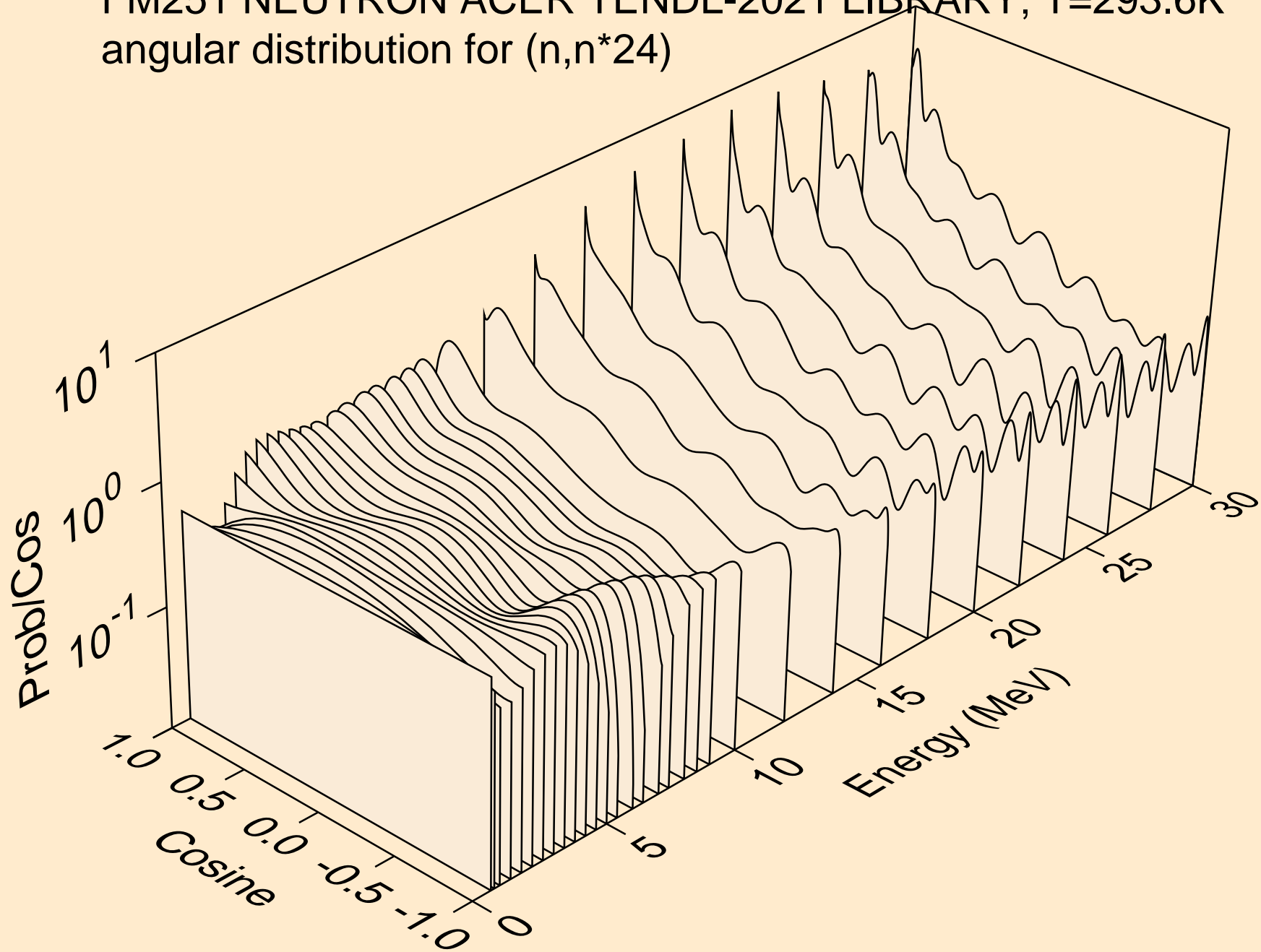
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angular distribution for (n,n\*22)



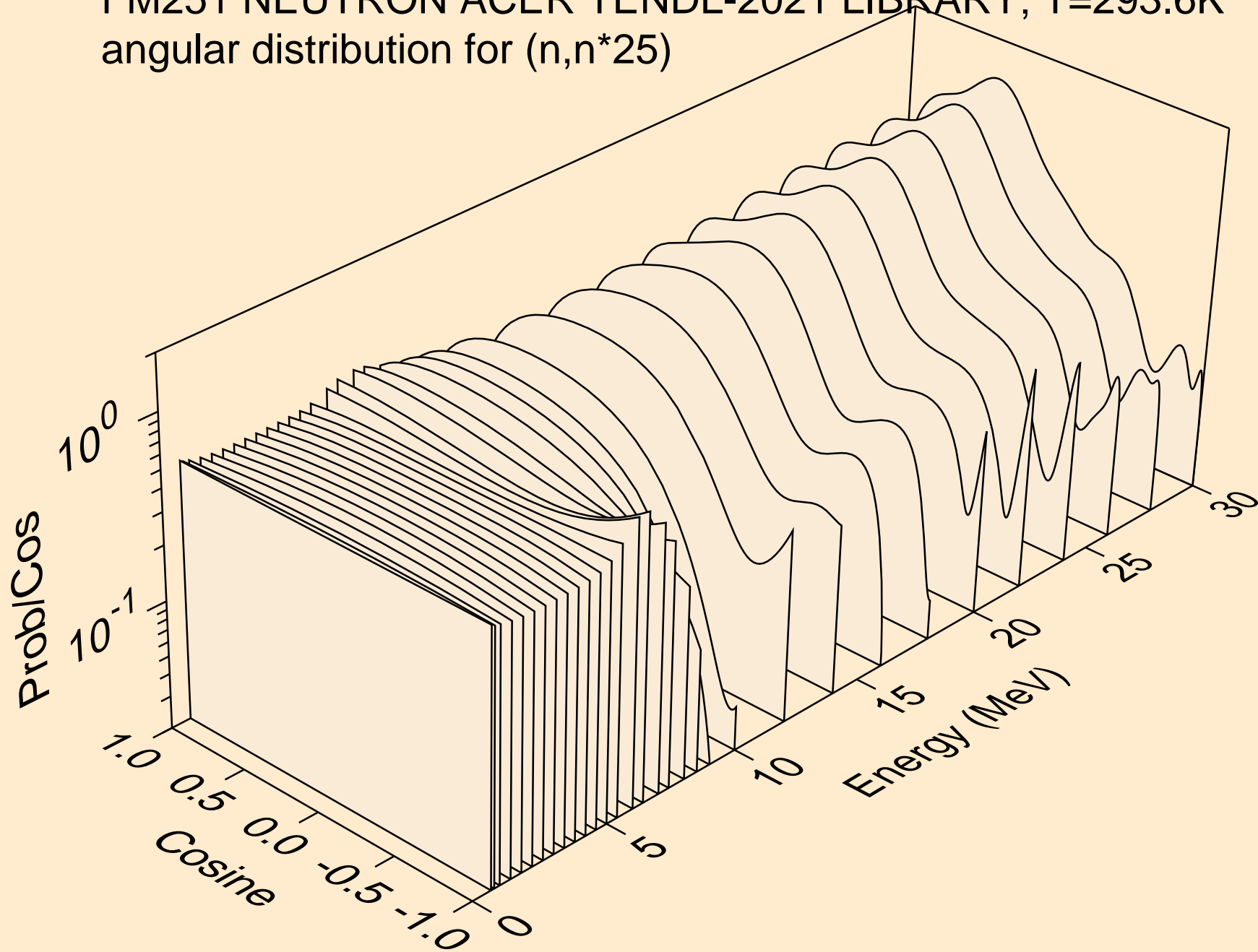
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angular distribution for (n,n\*23)



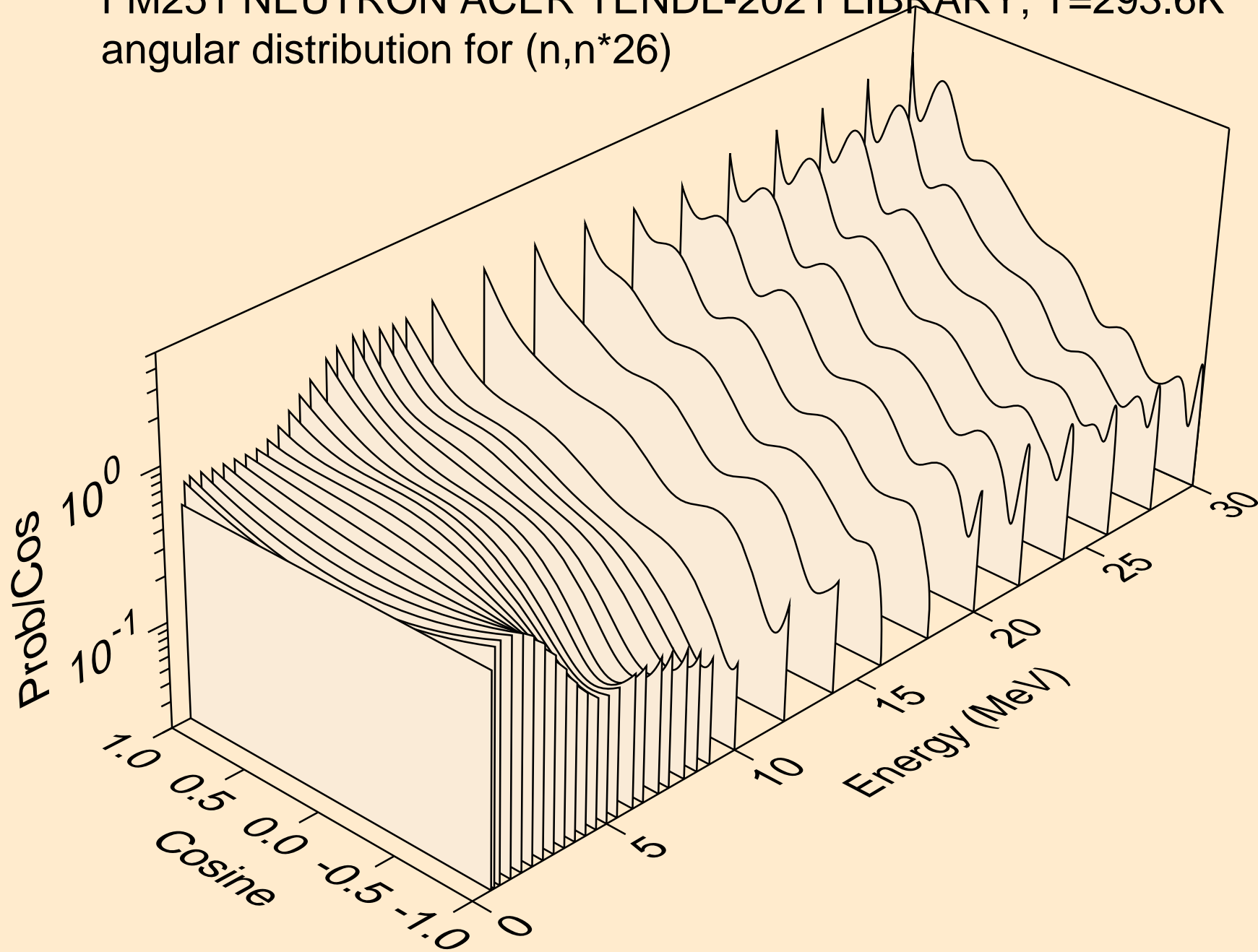
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angular distribution for (n,n\*24)



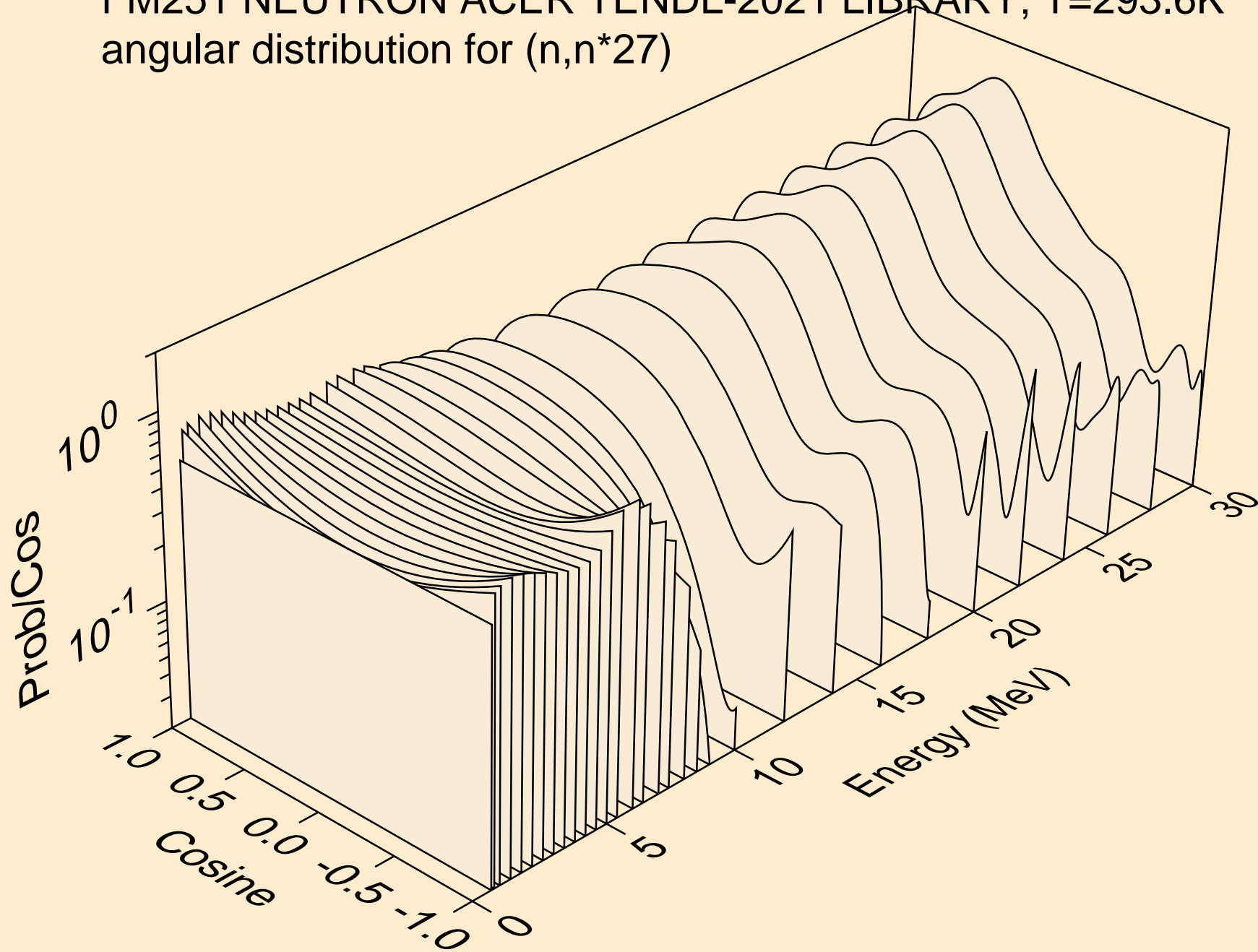
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angular distribution for (n,n\*25)



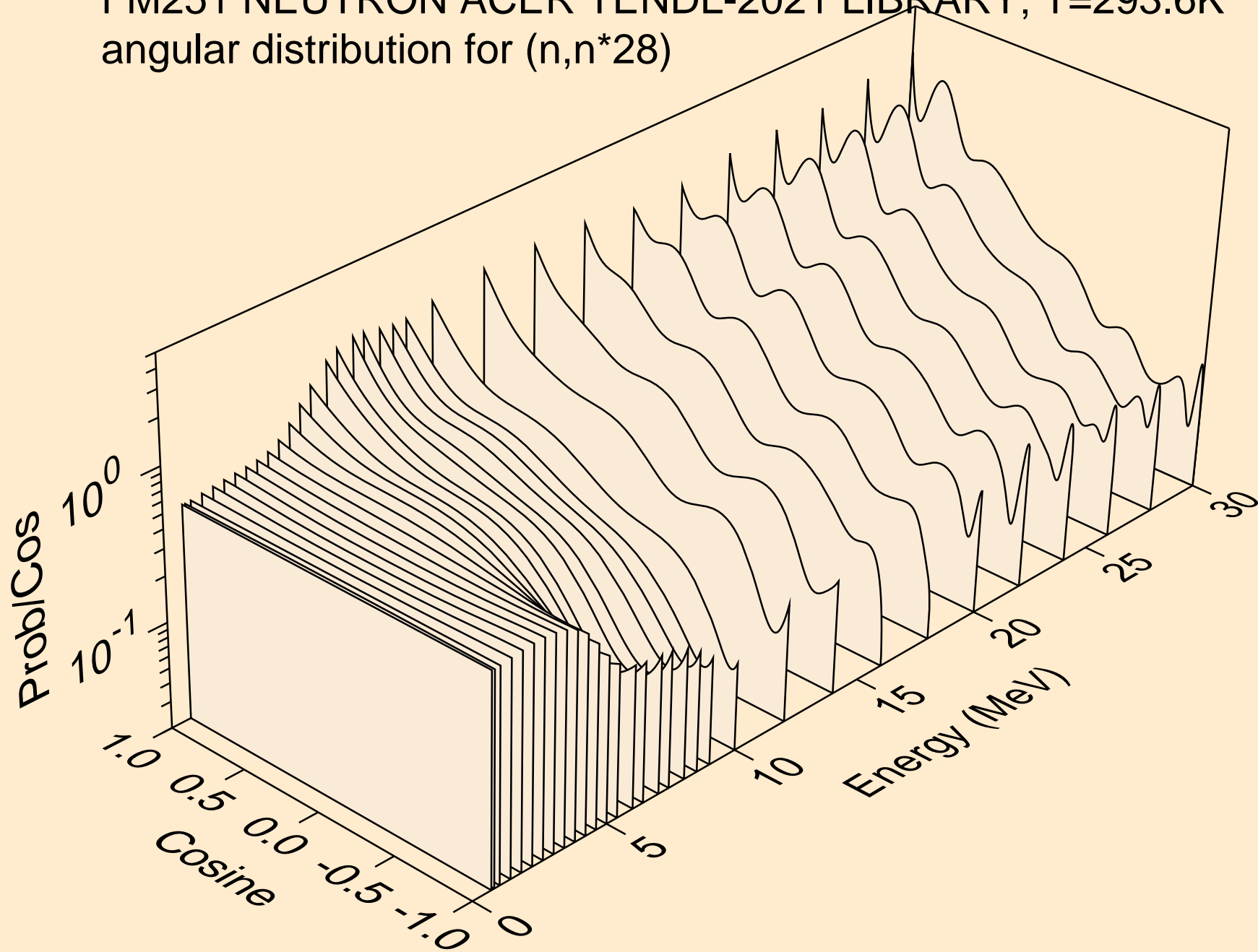
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*26)



FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*27)

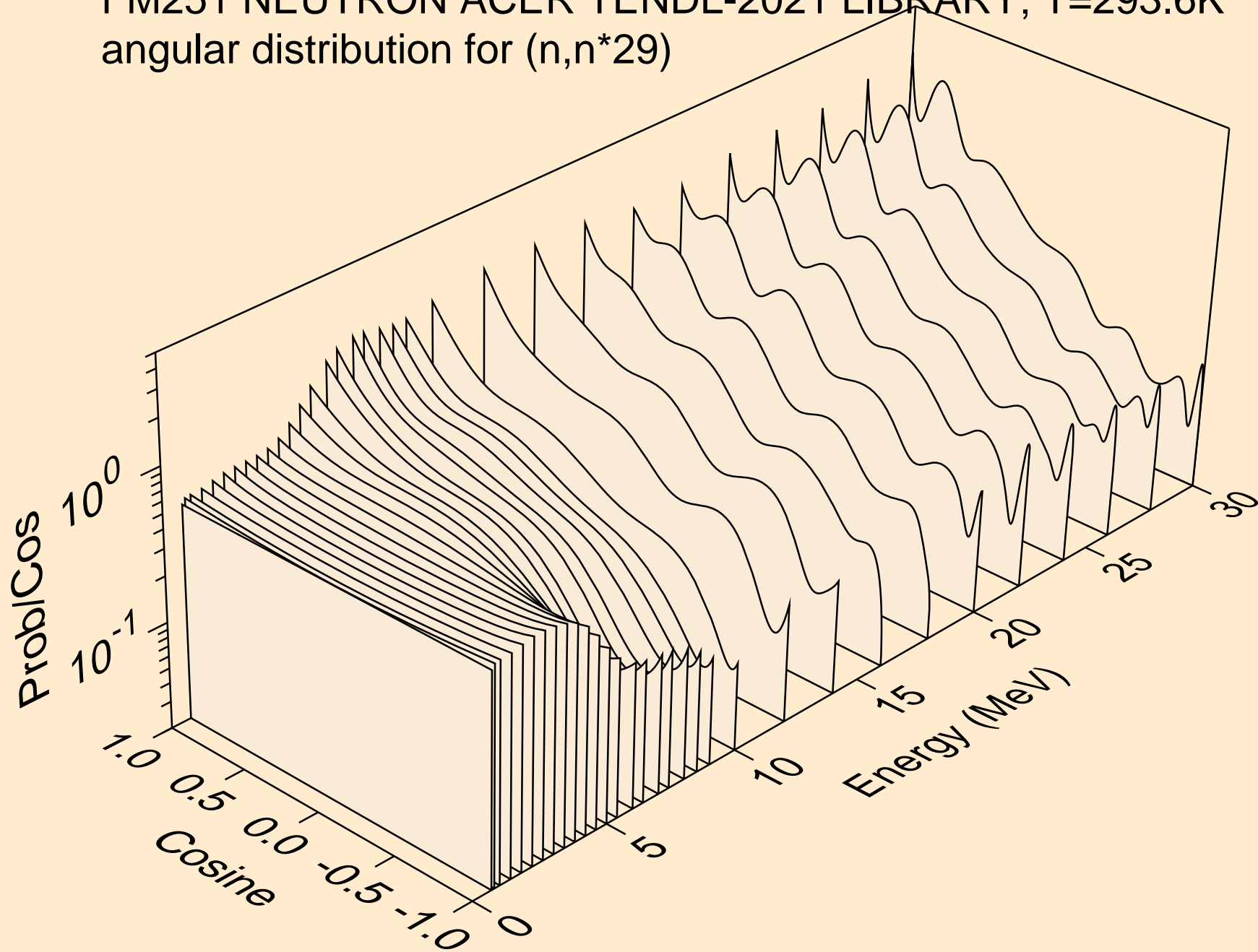


FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*28)

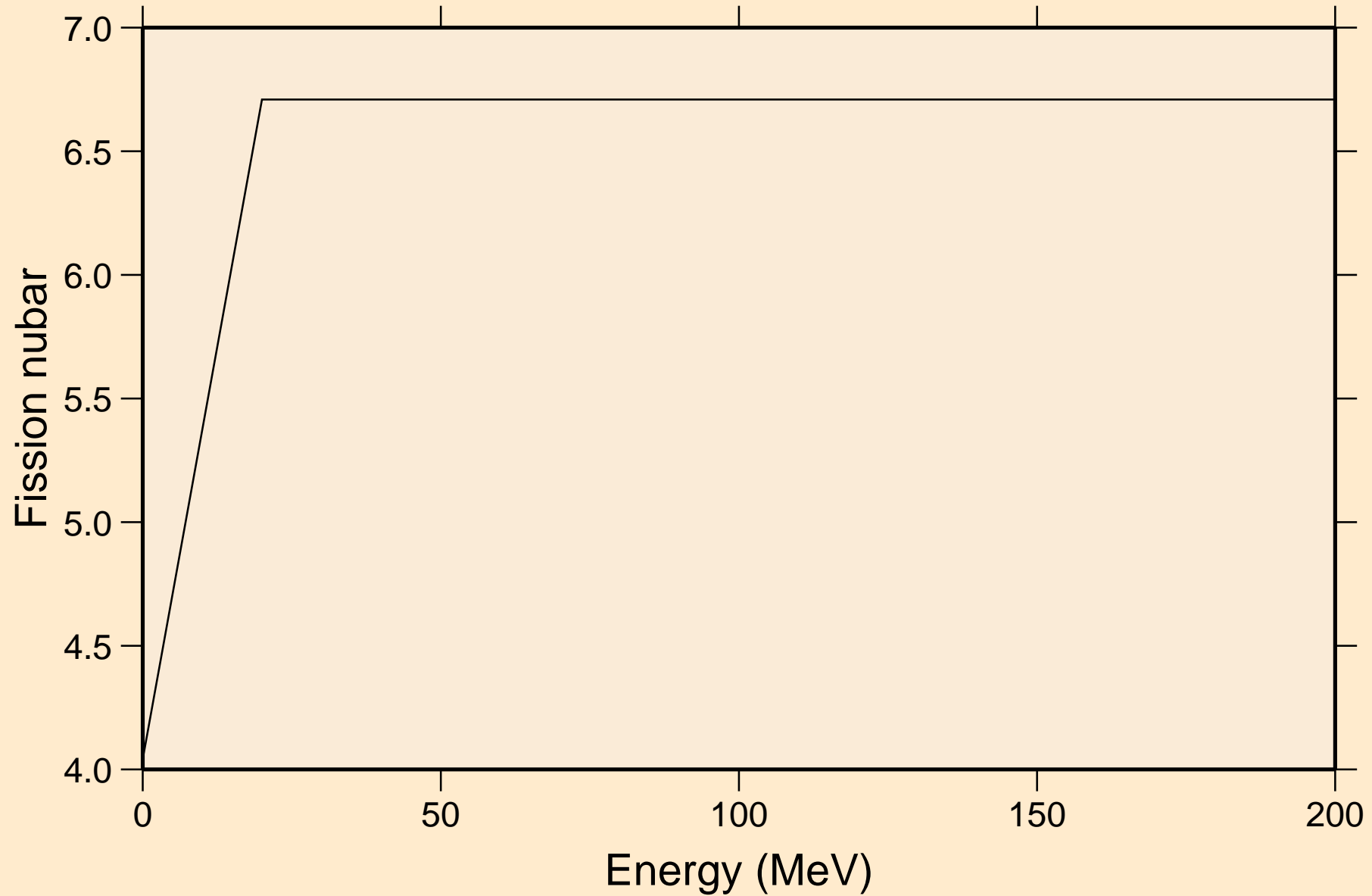




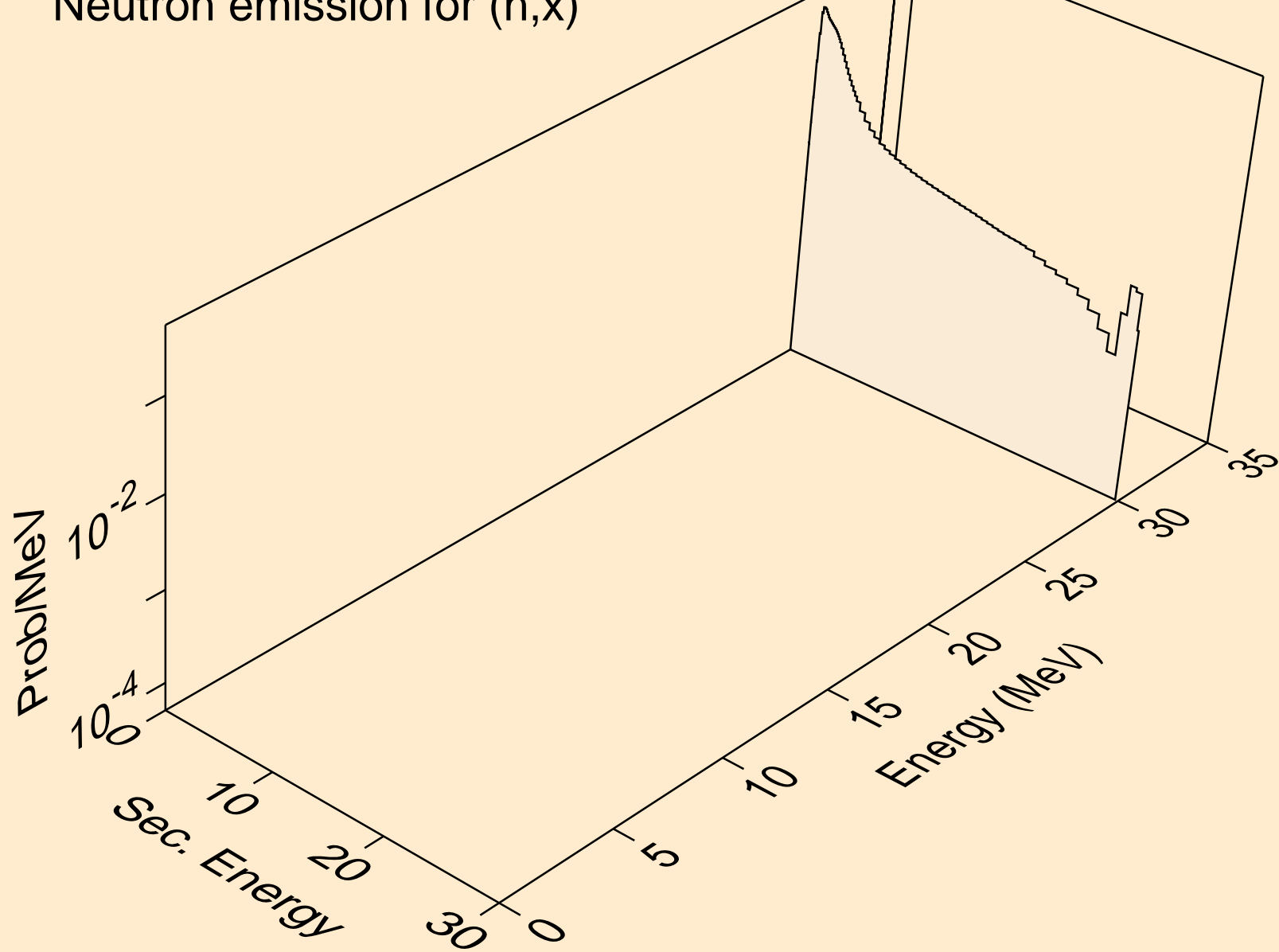
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angular distribution for (n,n\*29)



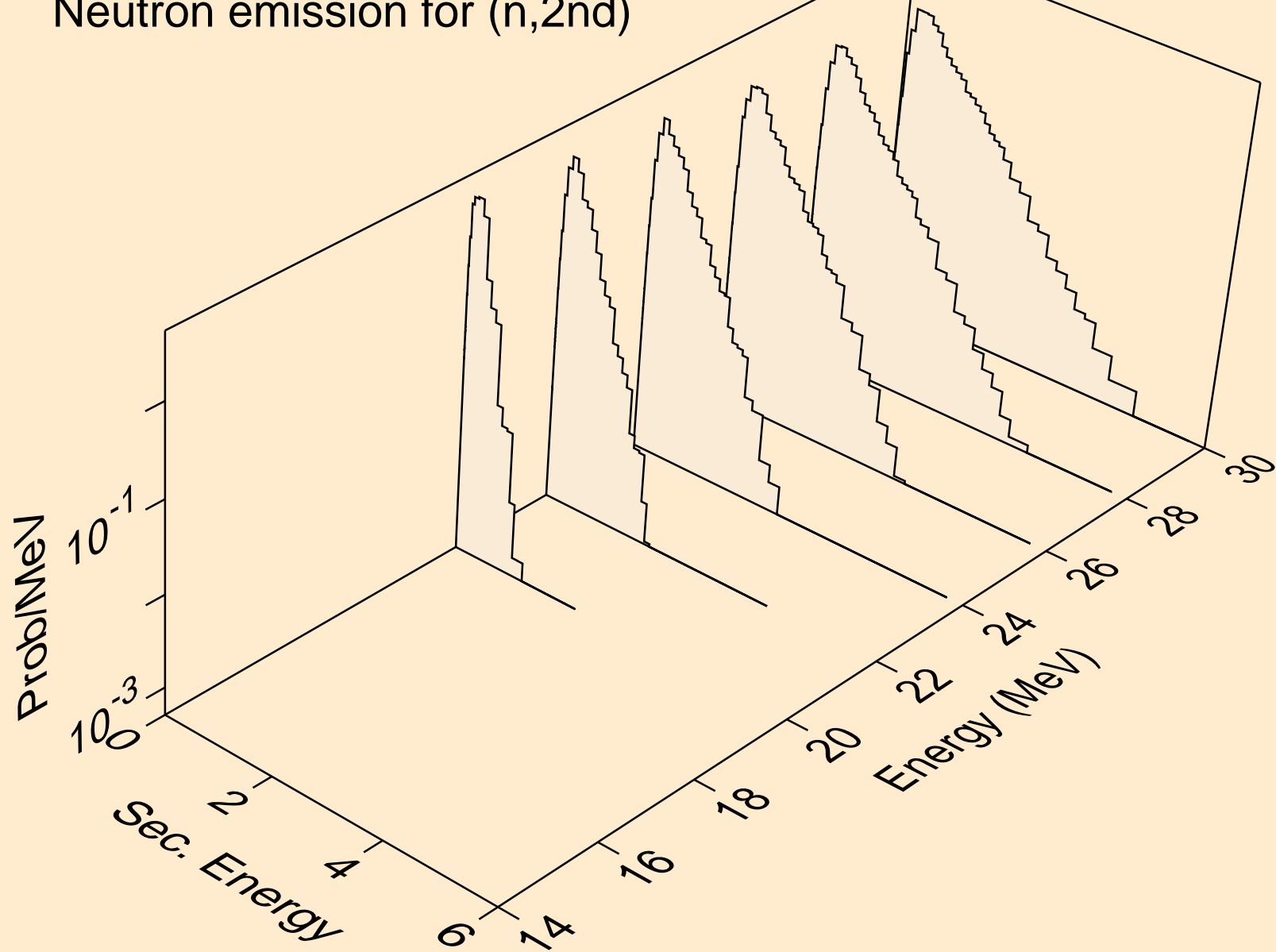
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Total fission nubar



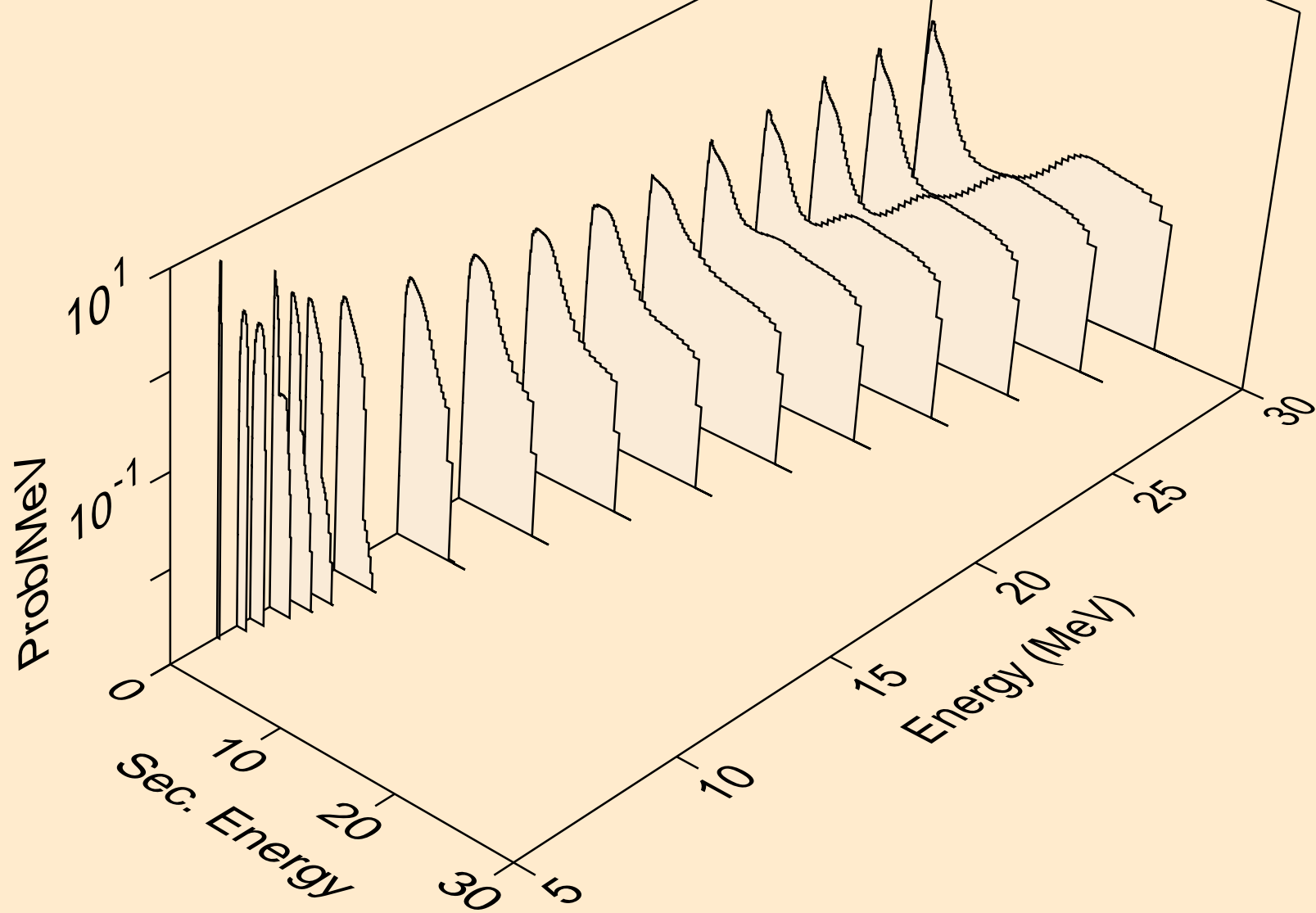
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)



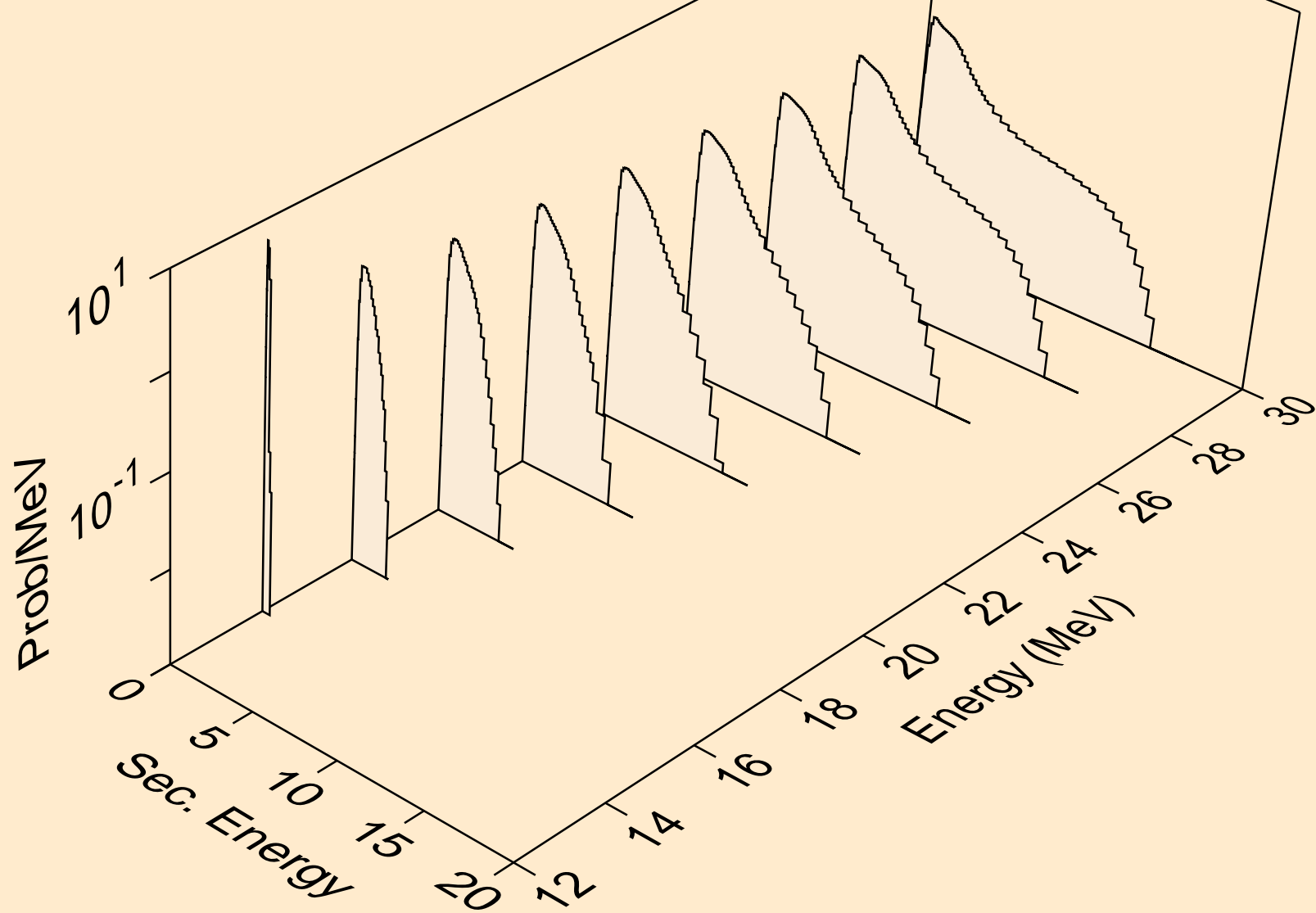
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



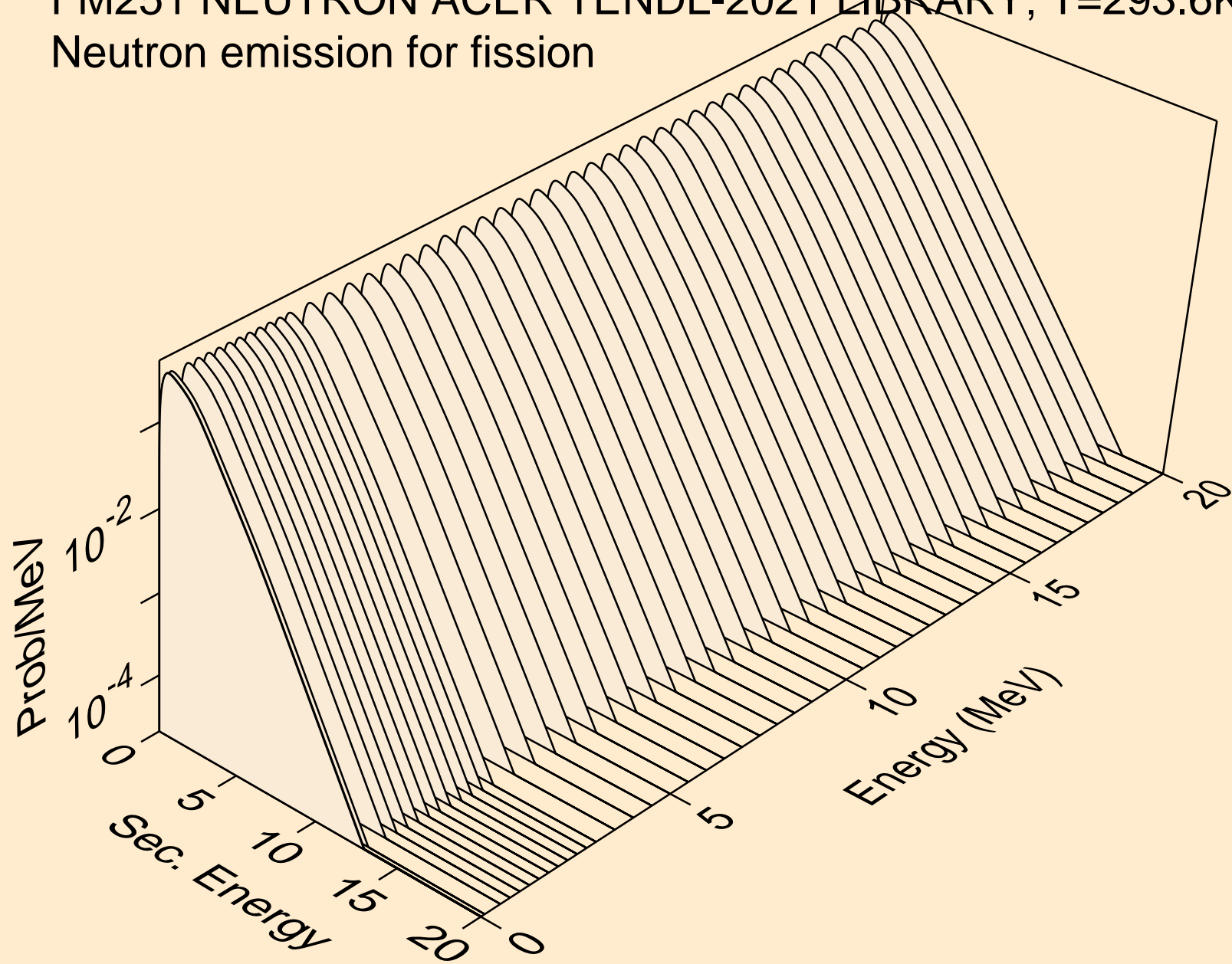
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



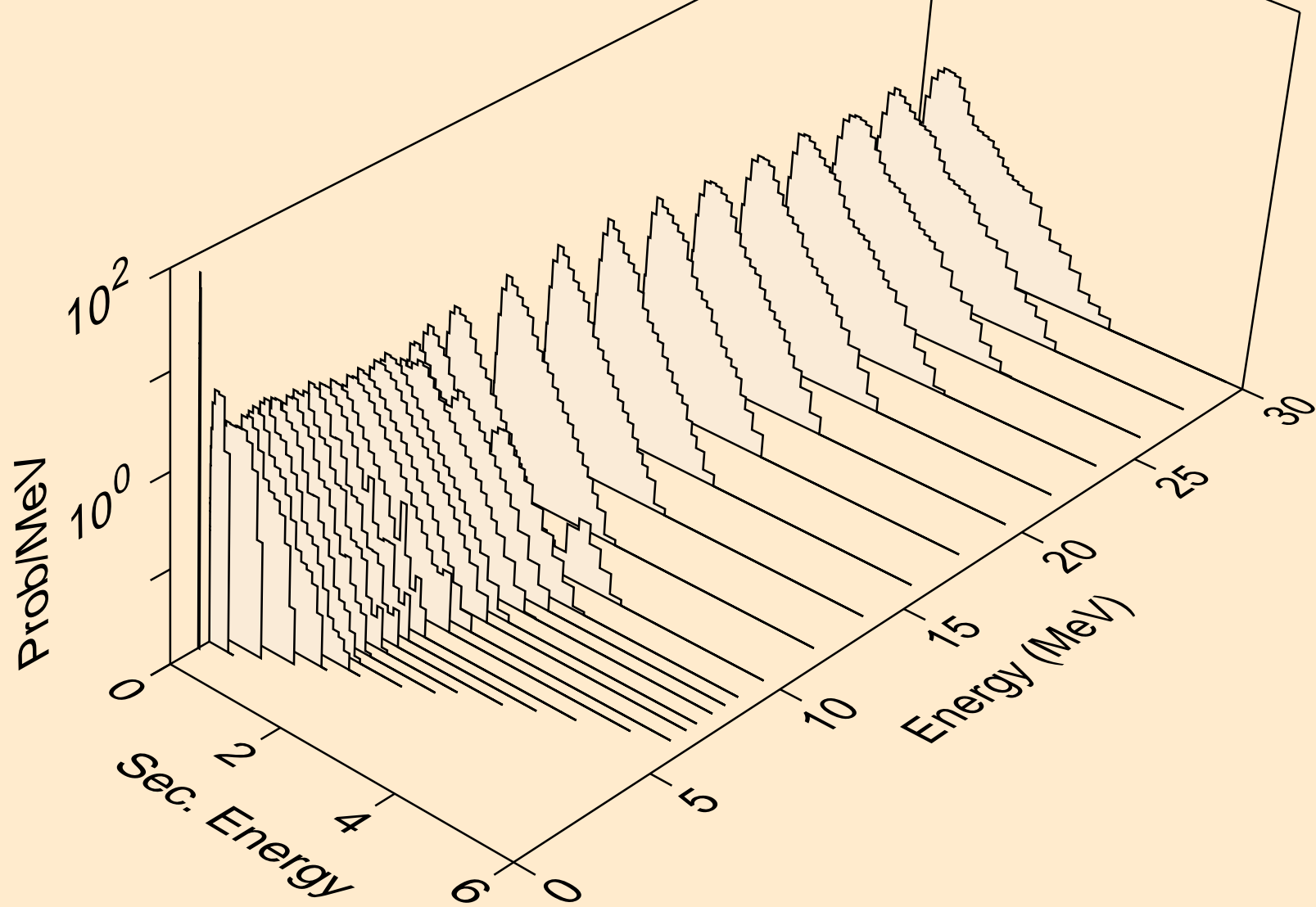
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for fission

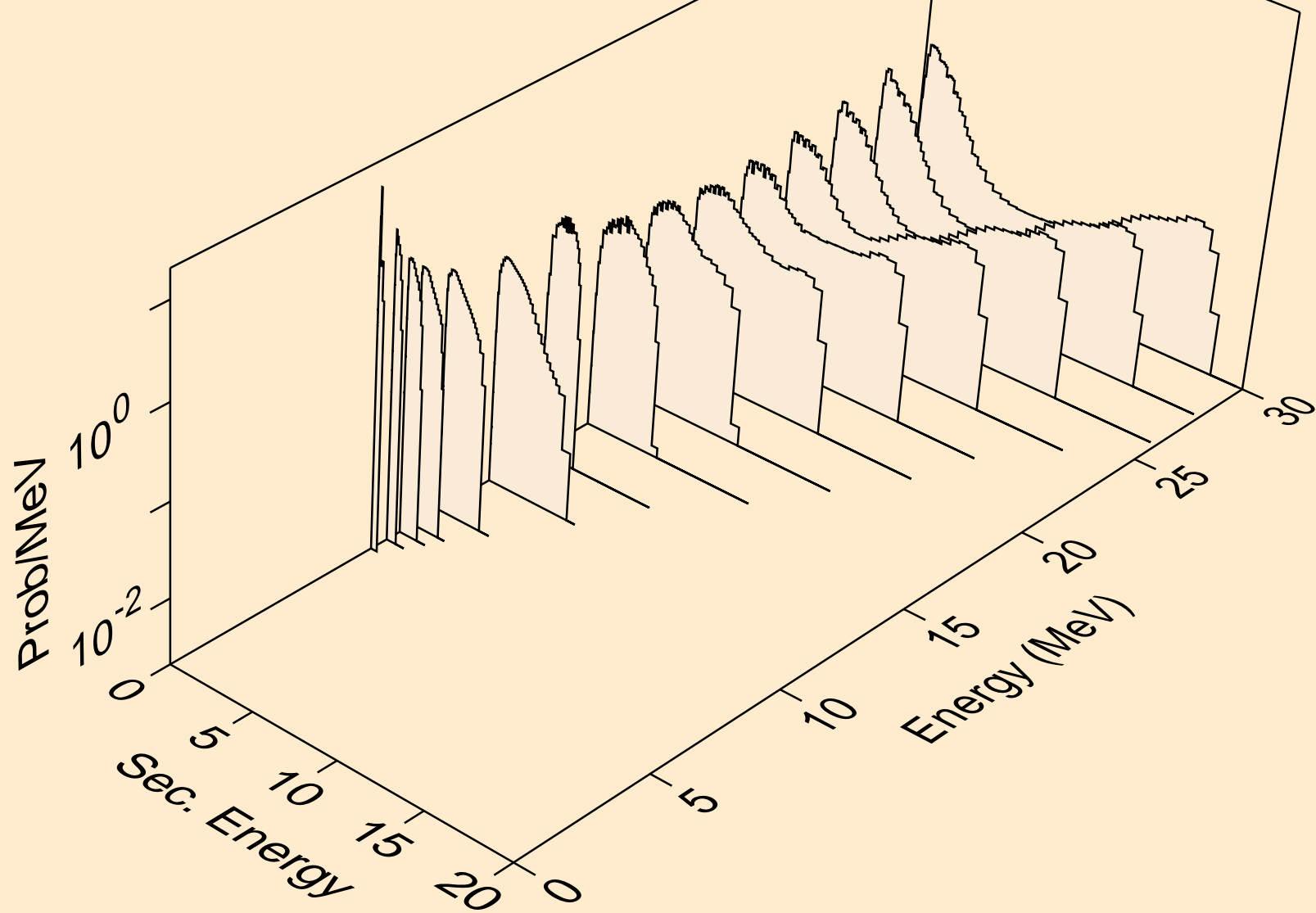


FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a

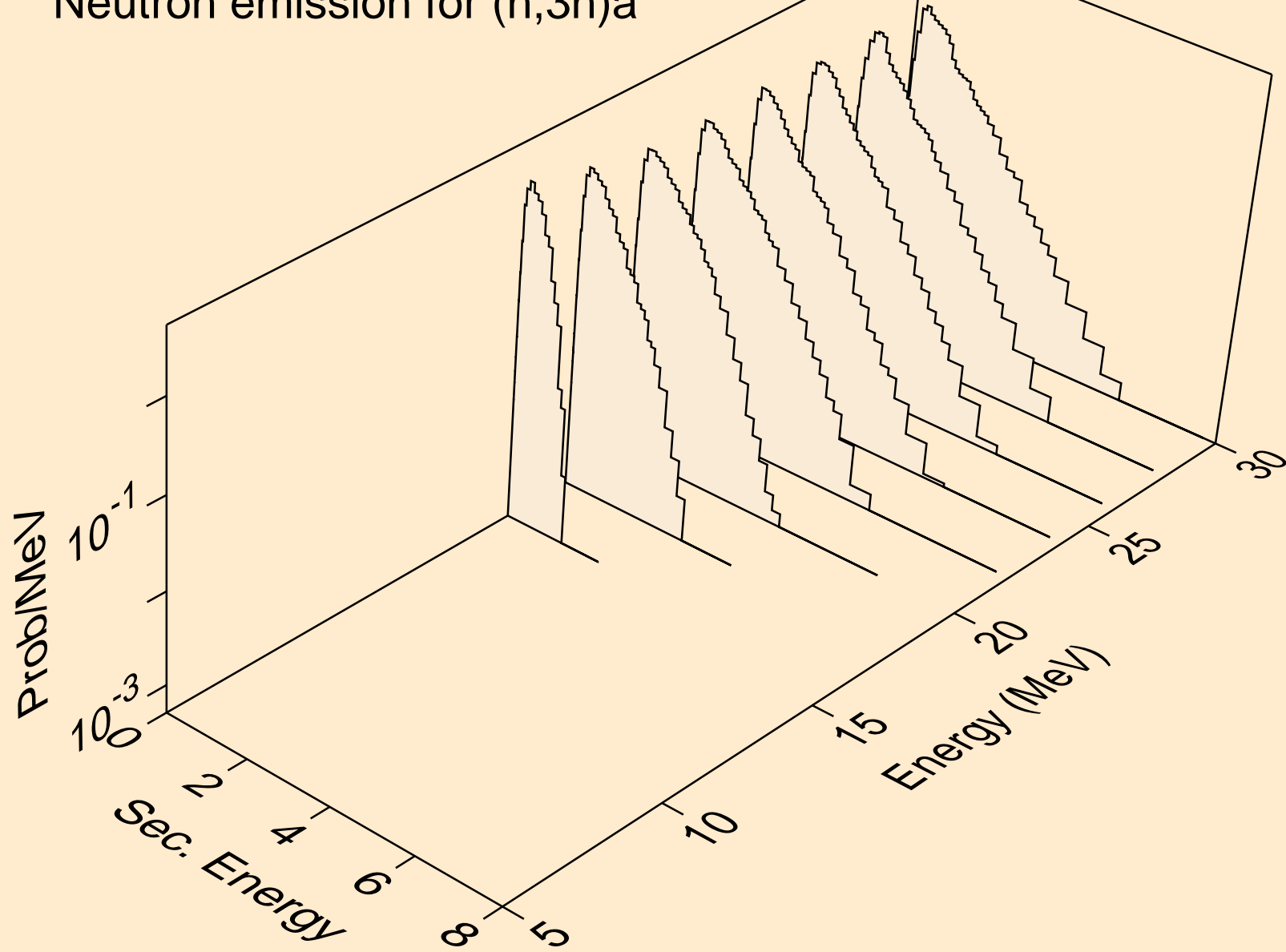




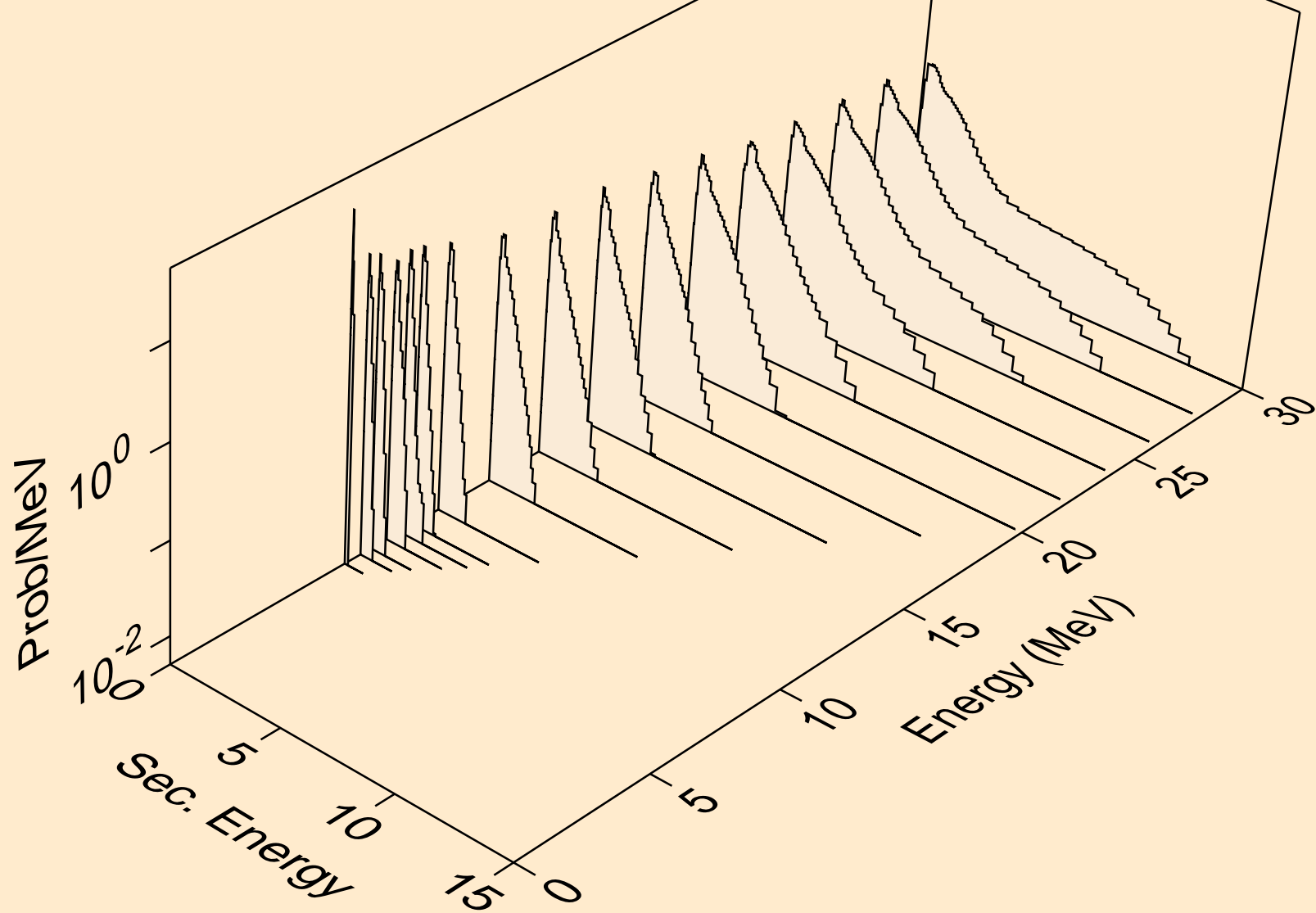
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)a



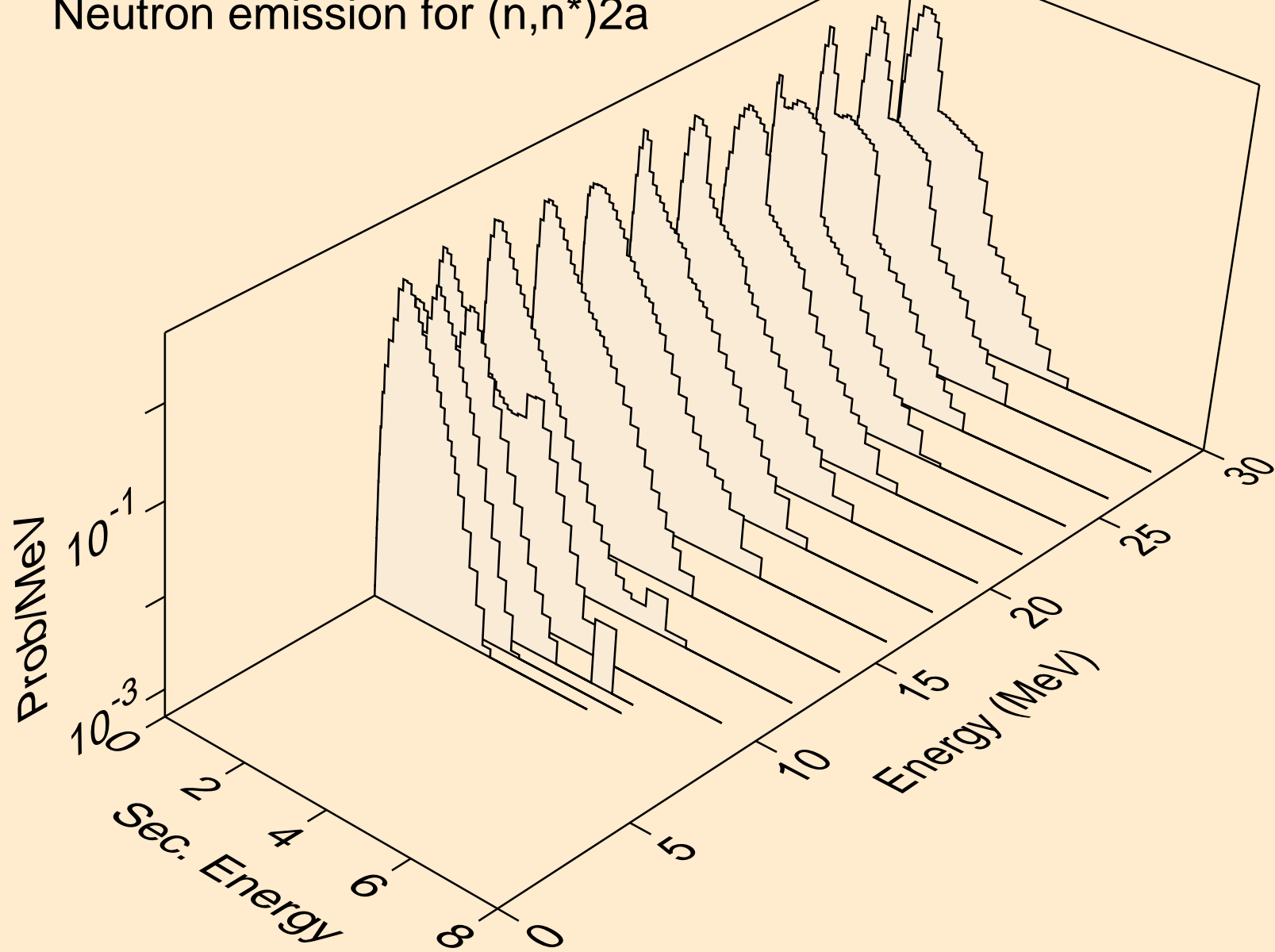
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Neutron emission for (n,3n)a



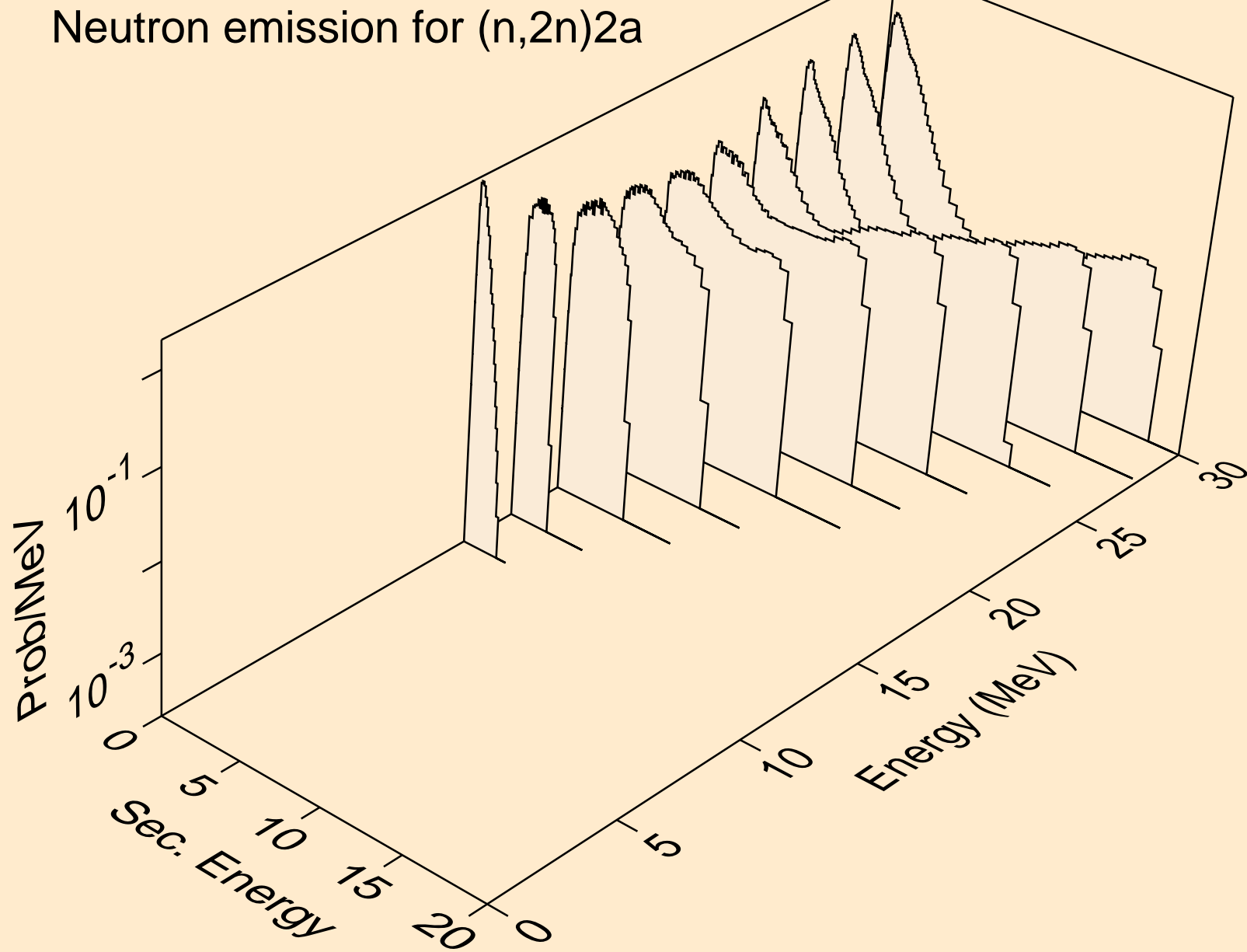
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



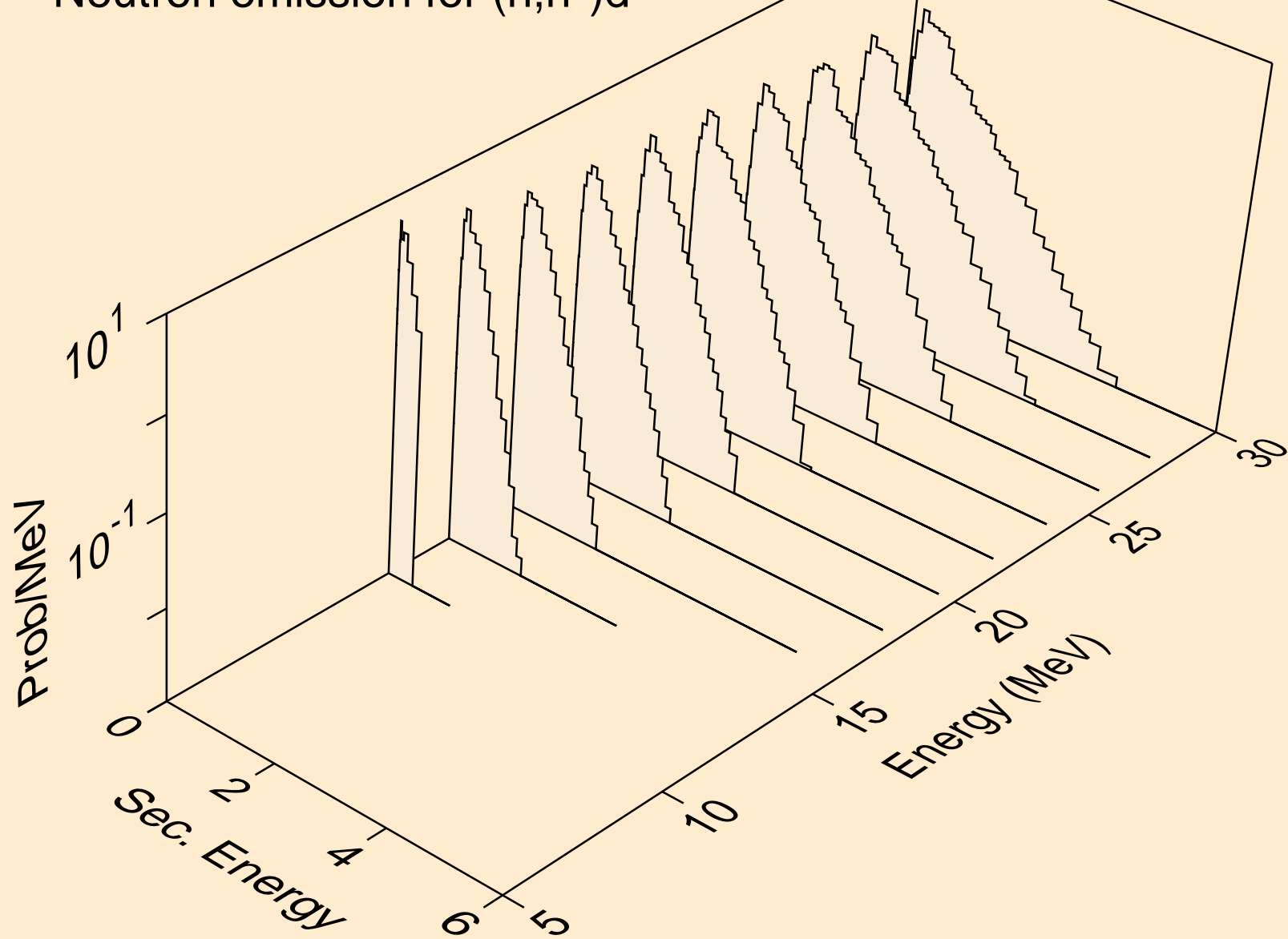
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Neutron emission for (n,n\*)2a



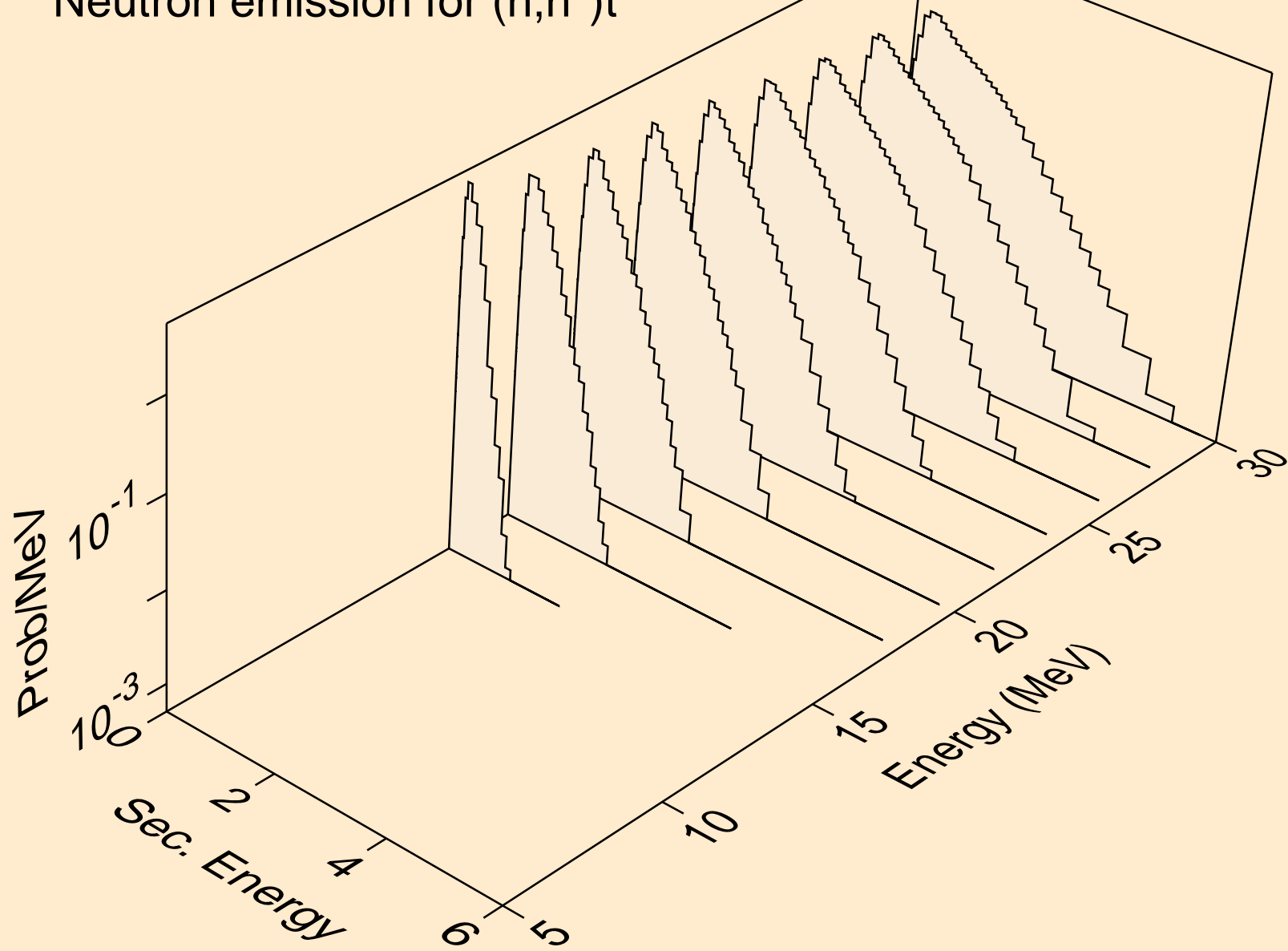
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Neutron emission for (n,2n)2a



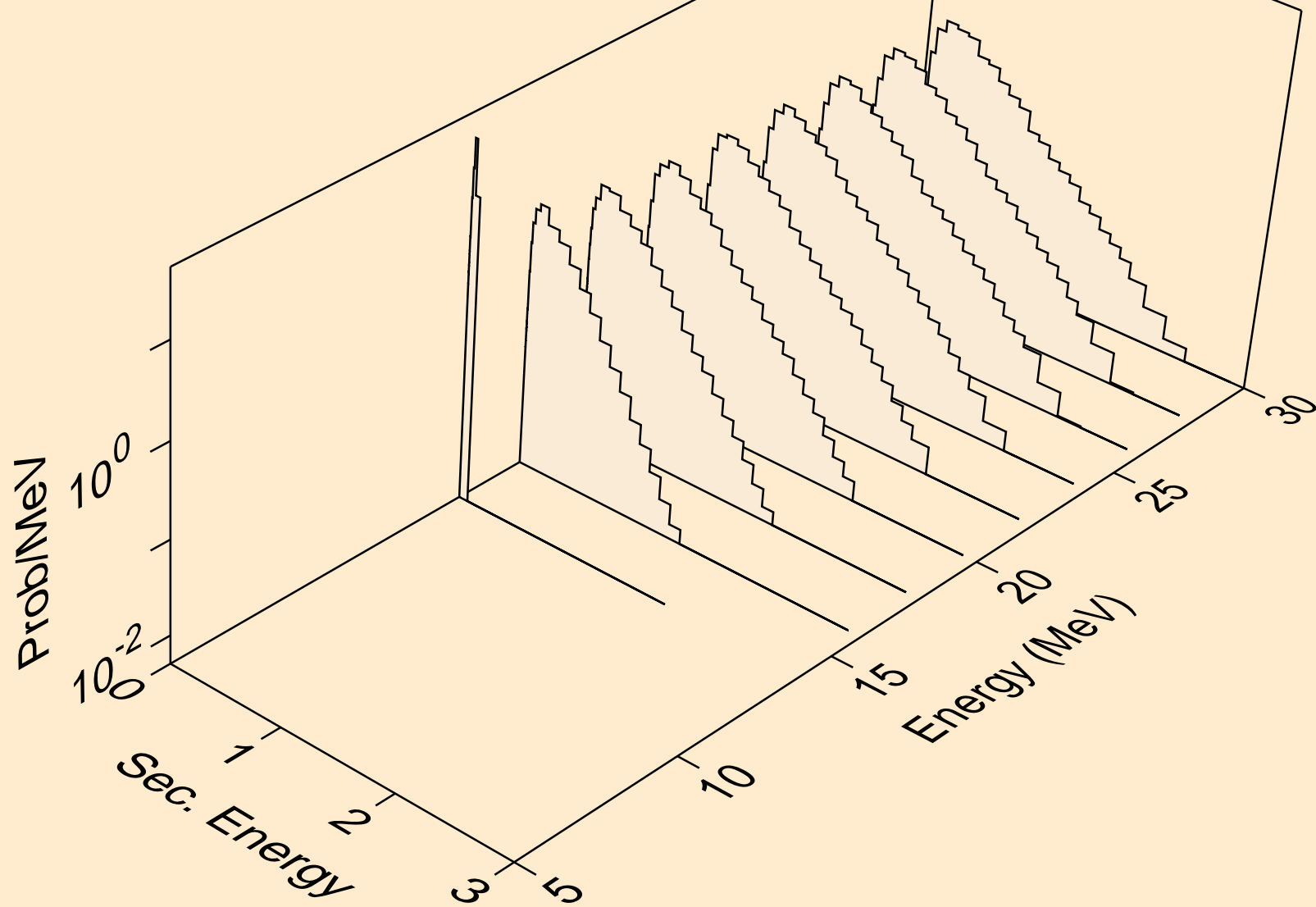
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t

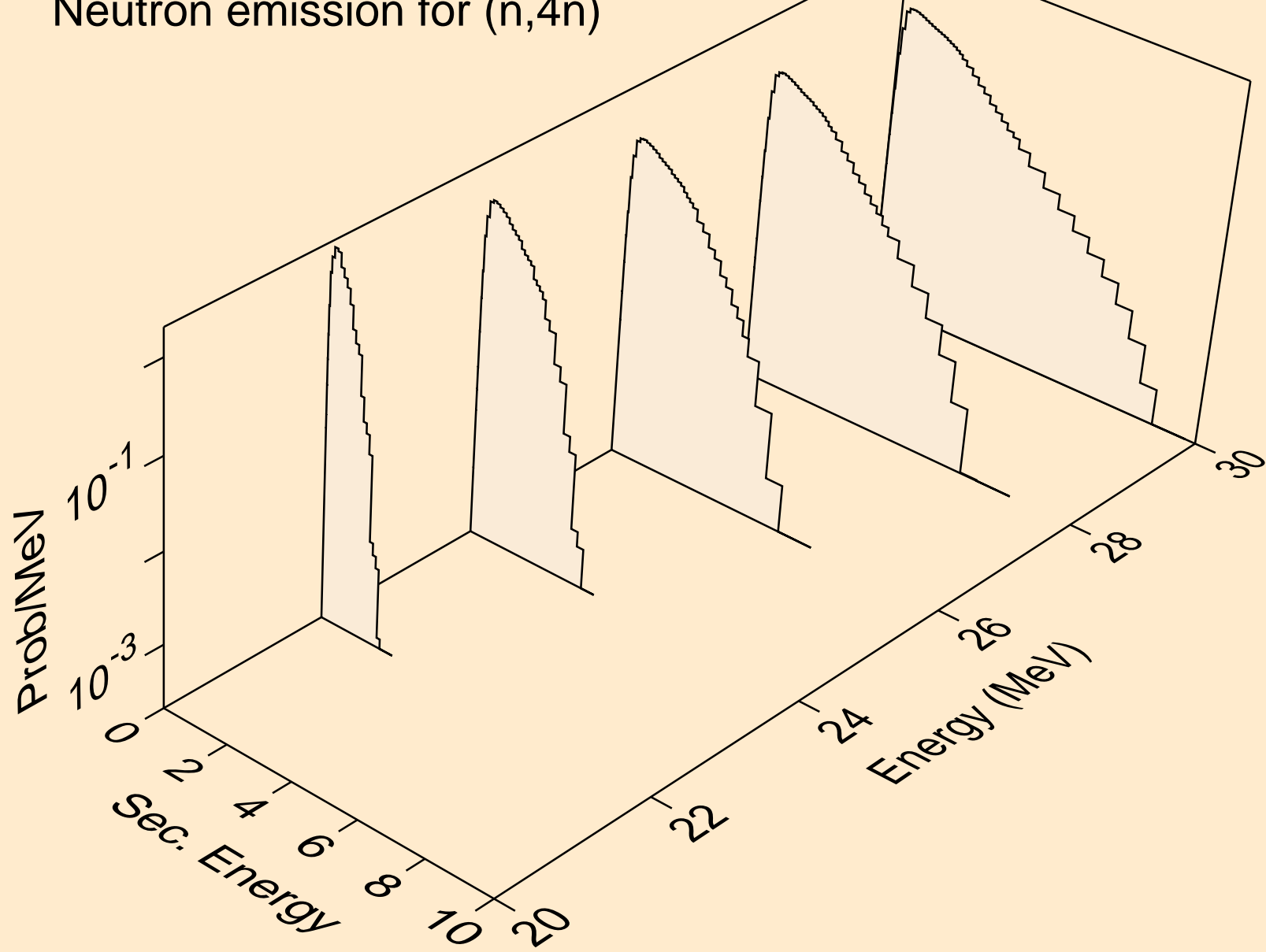


FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3

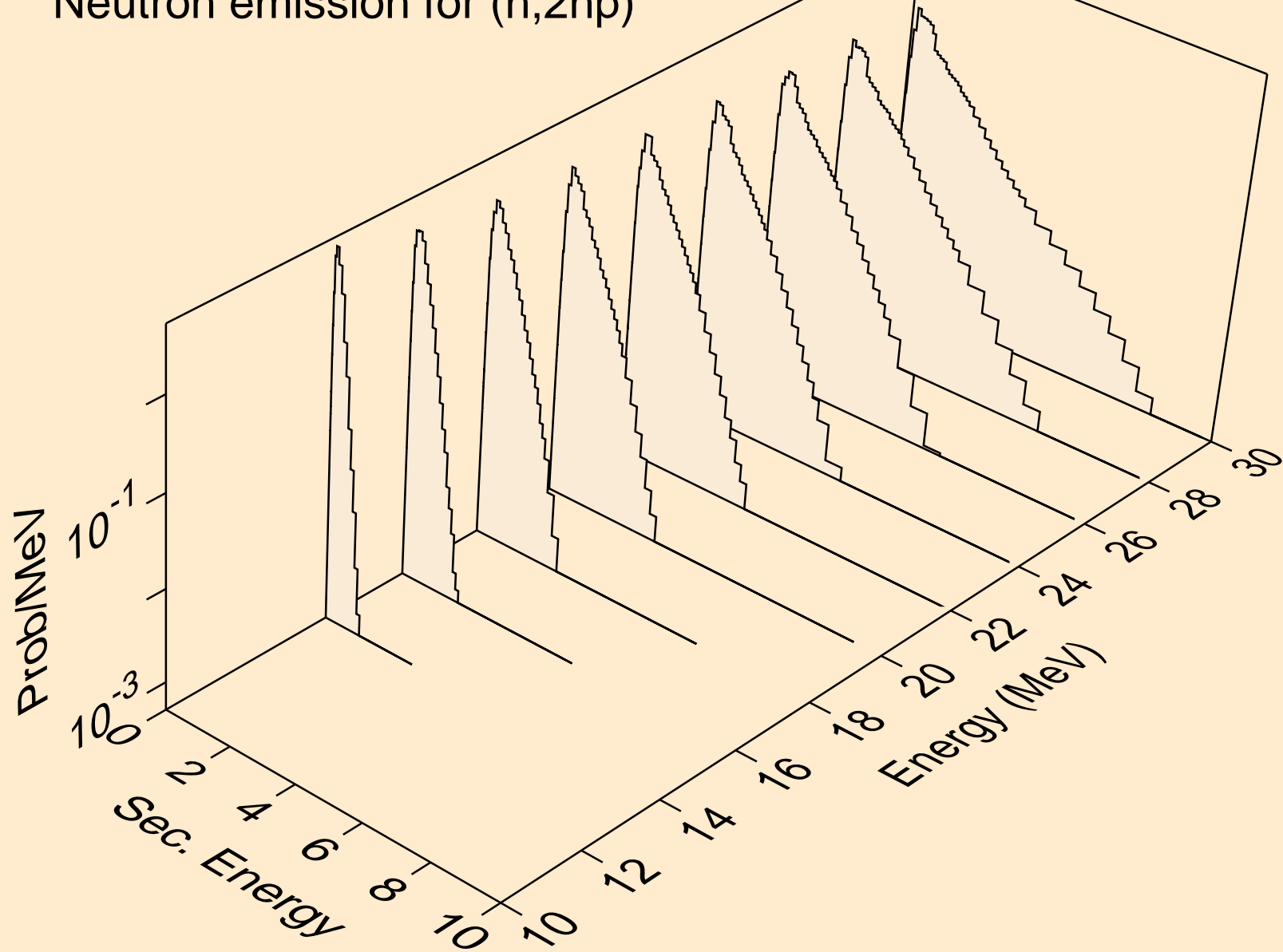




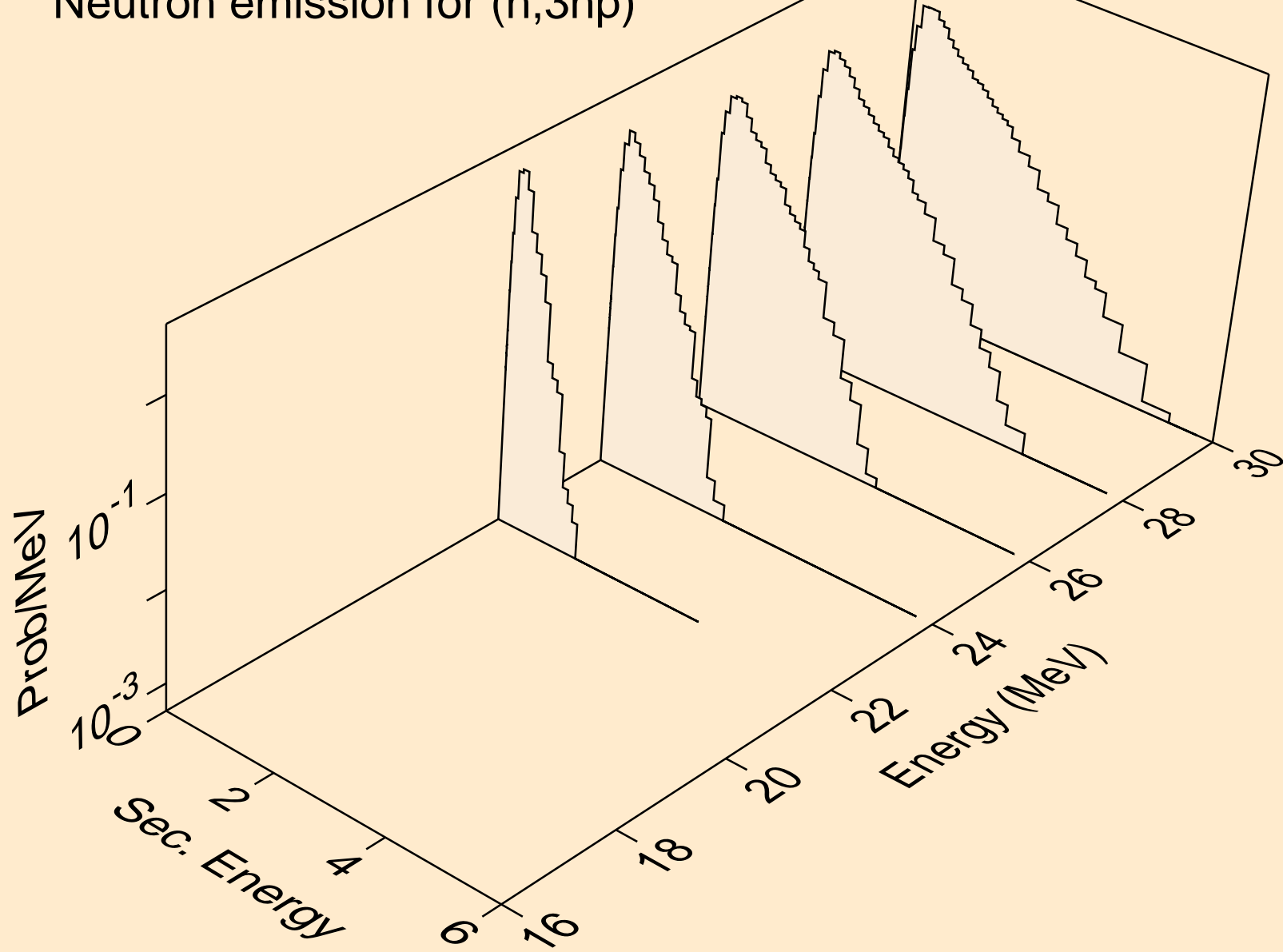
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Neutron emission for (n,4n)



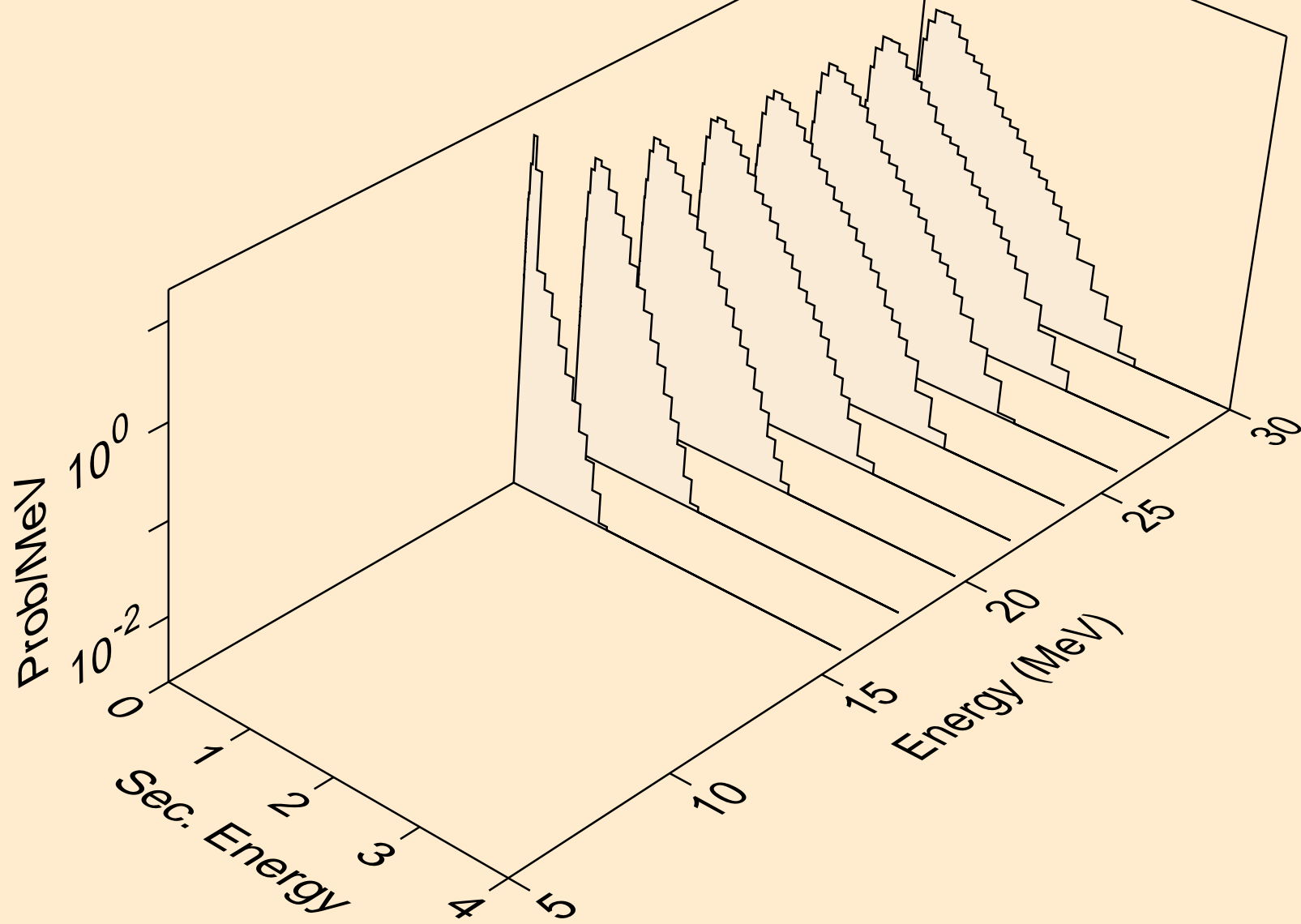
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



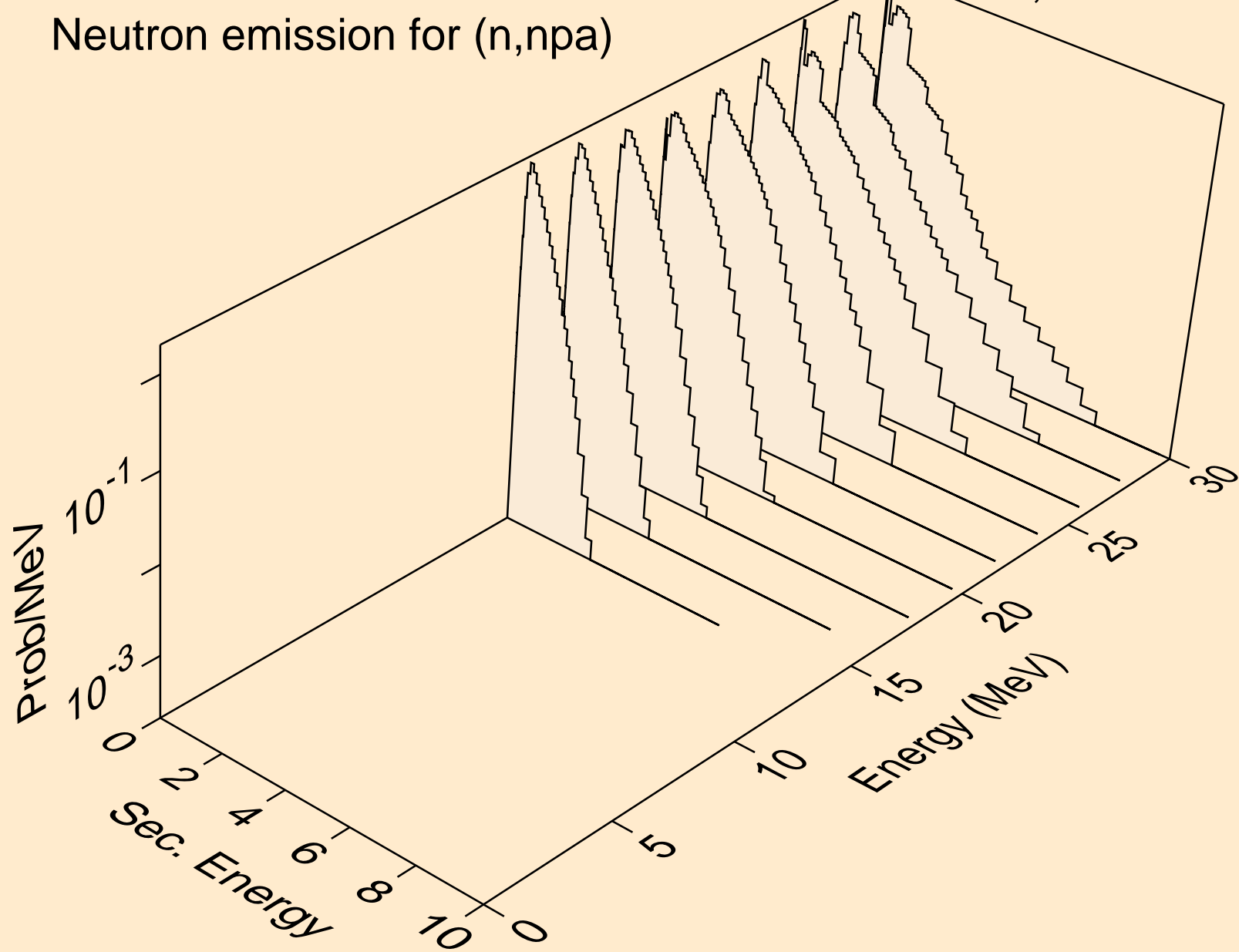
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)



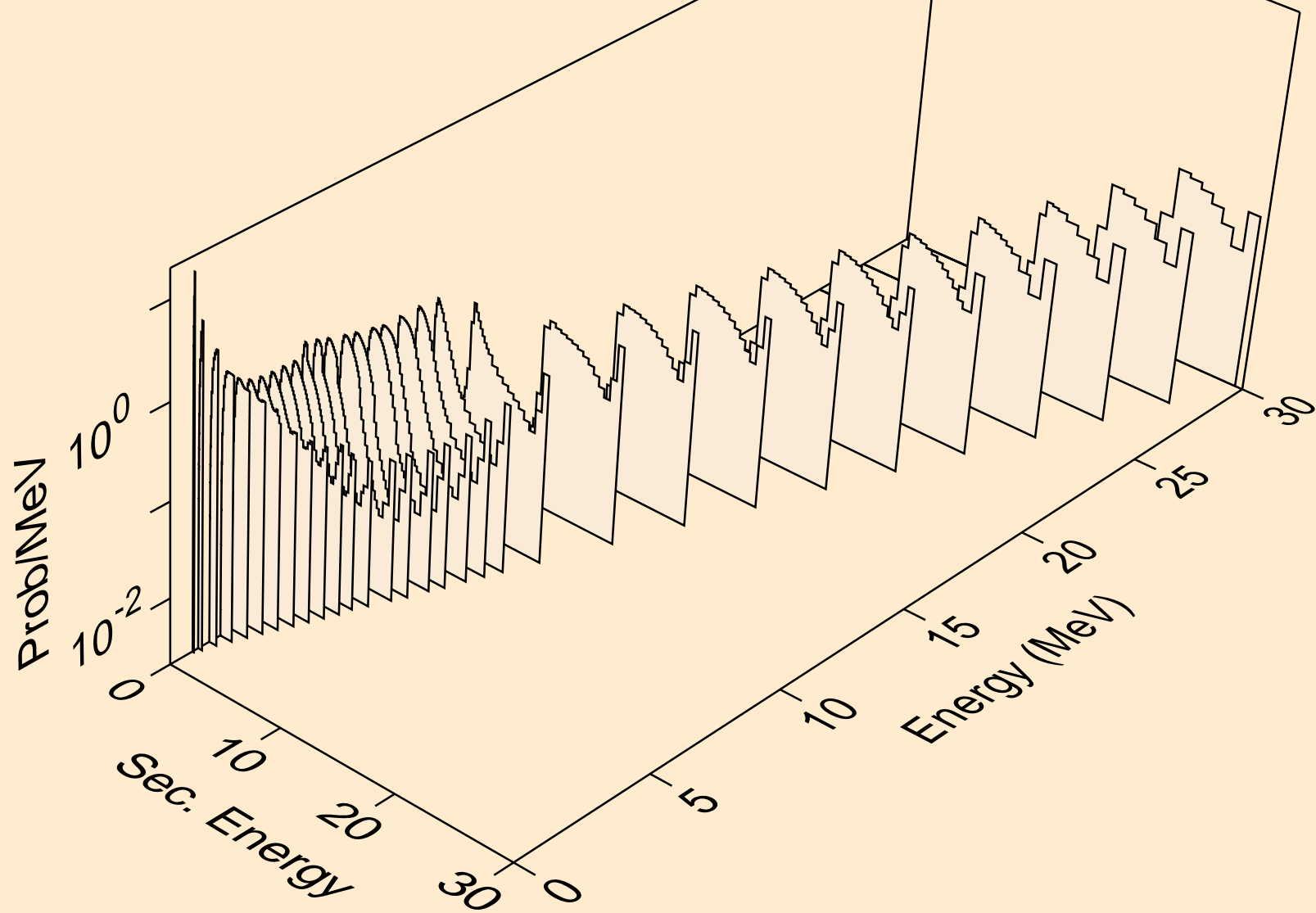
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



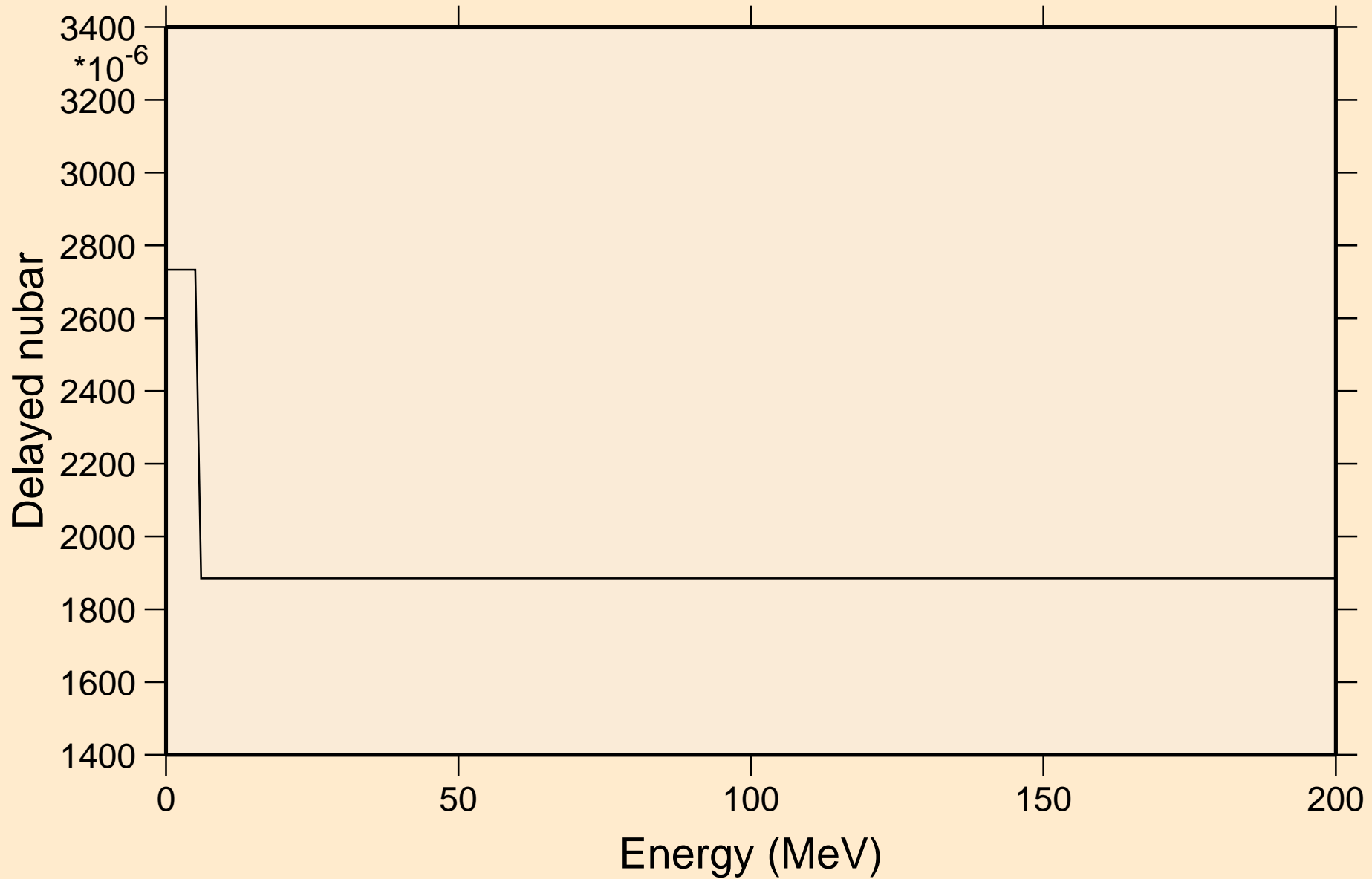
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)



FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)

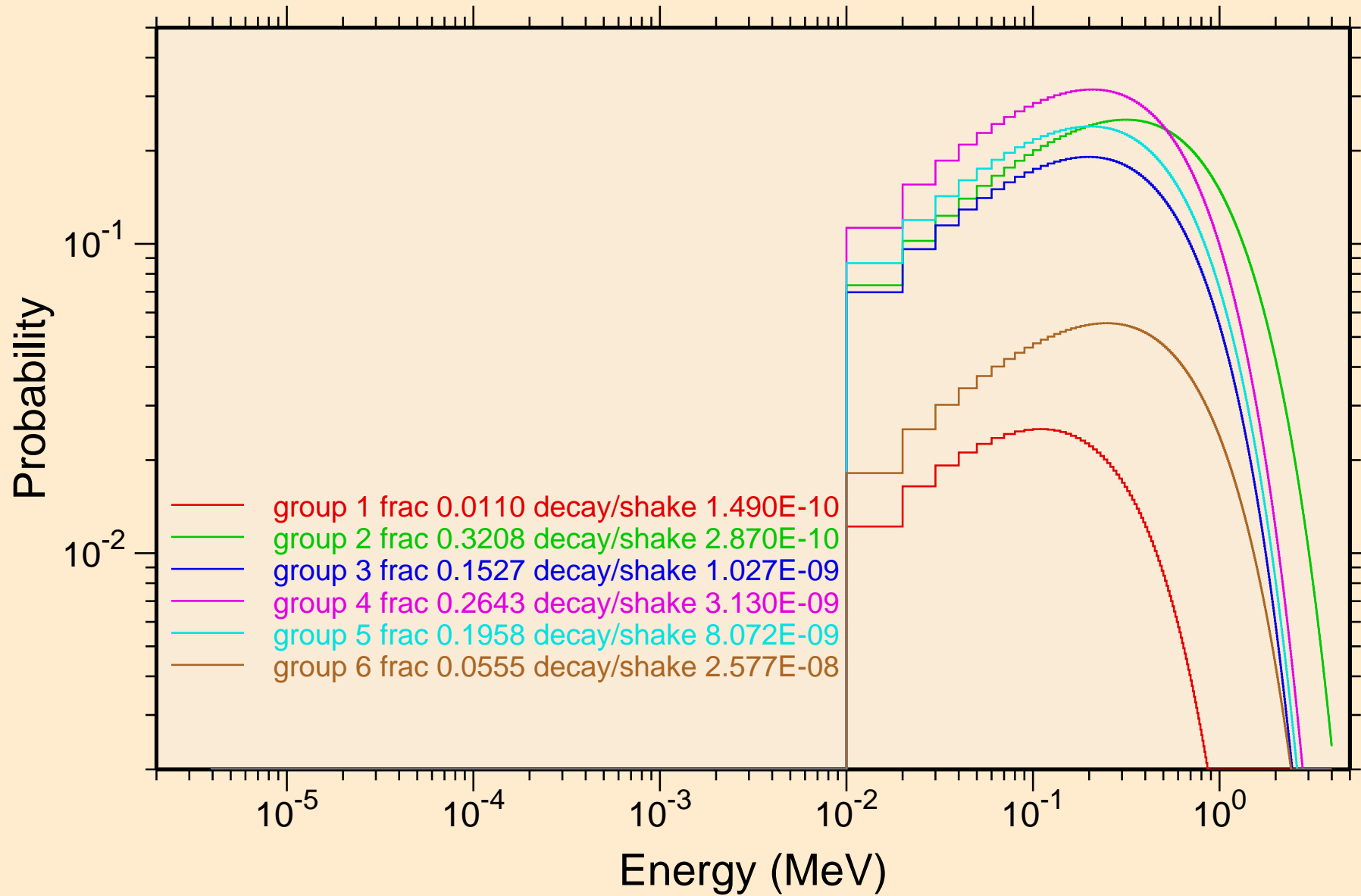


FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Delayed nubar



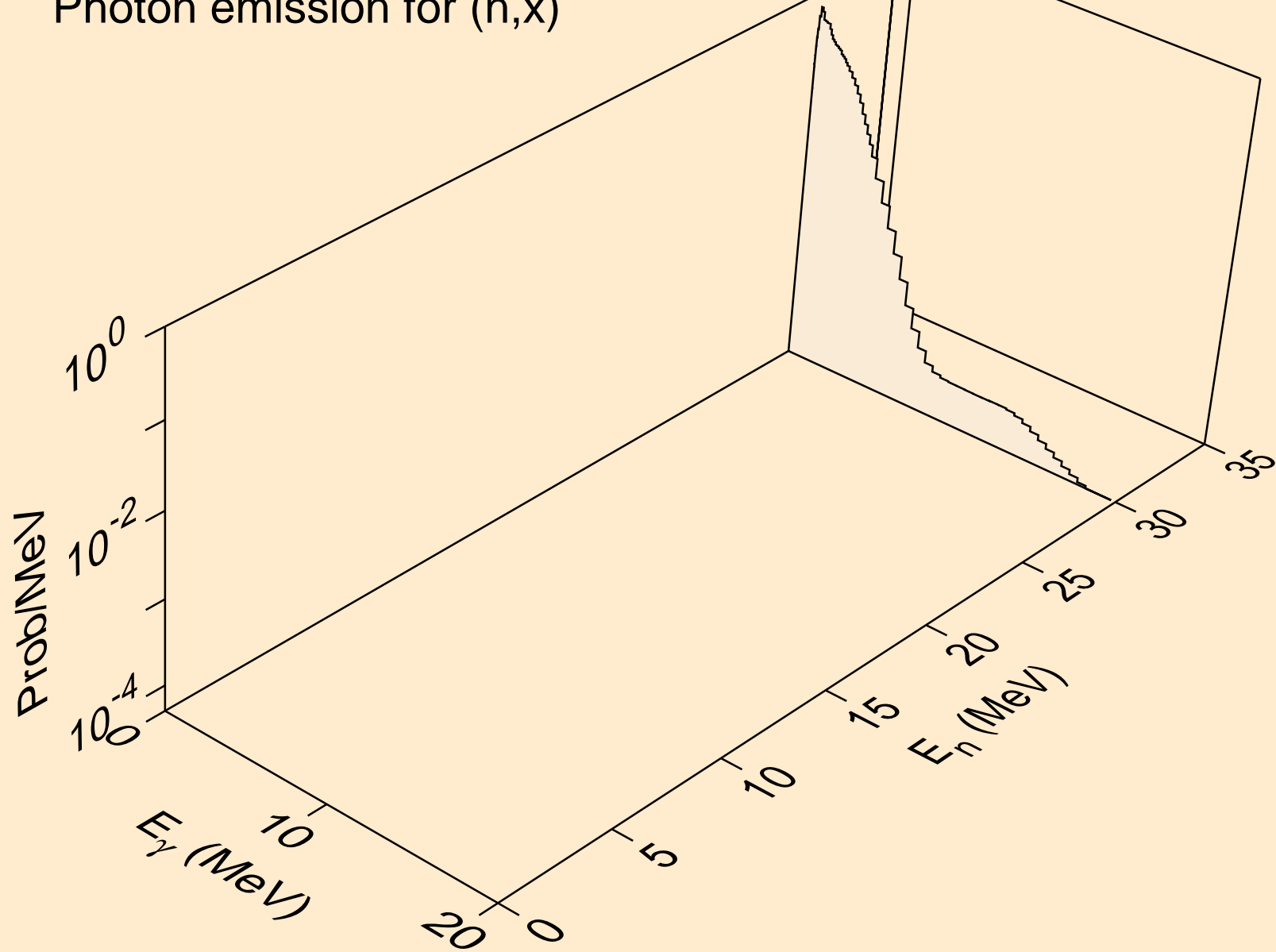
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## Delayed neutron spectra

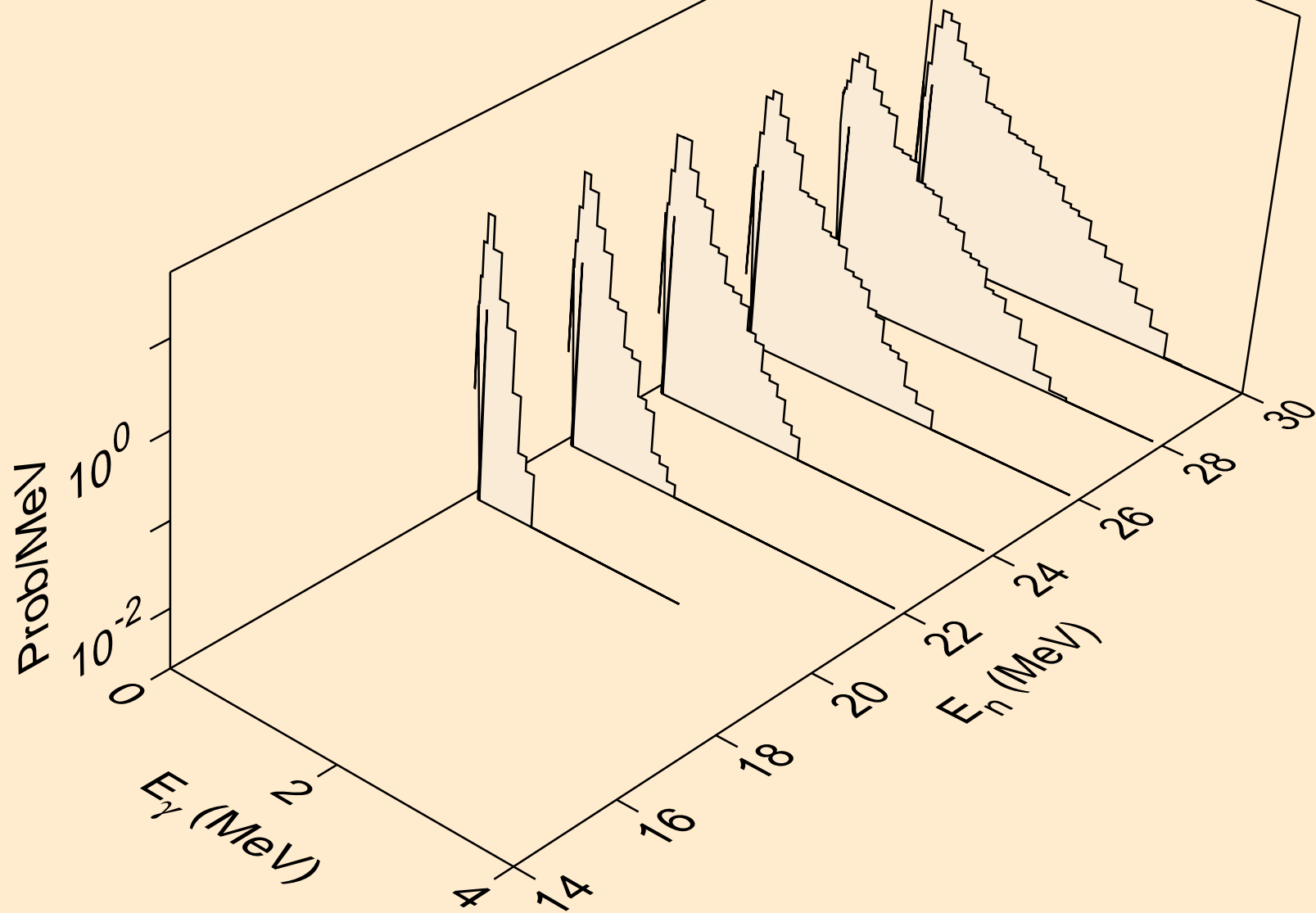




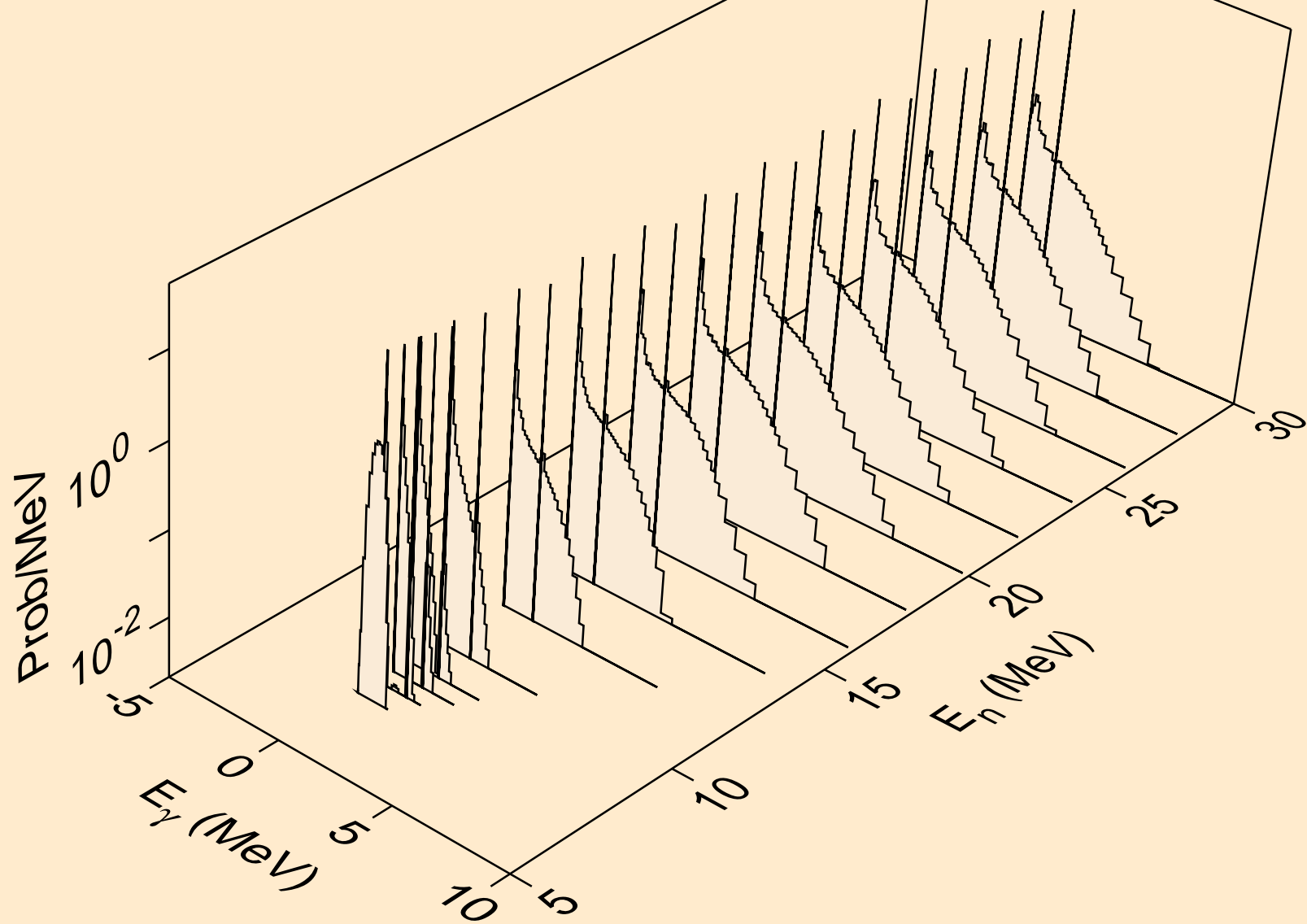
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)



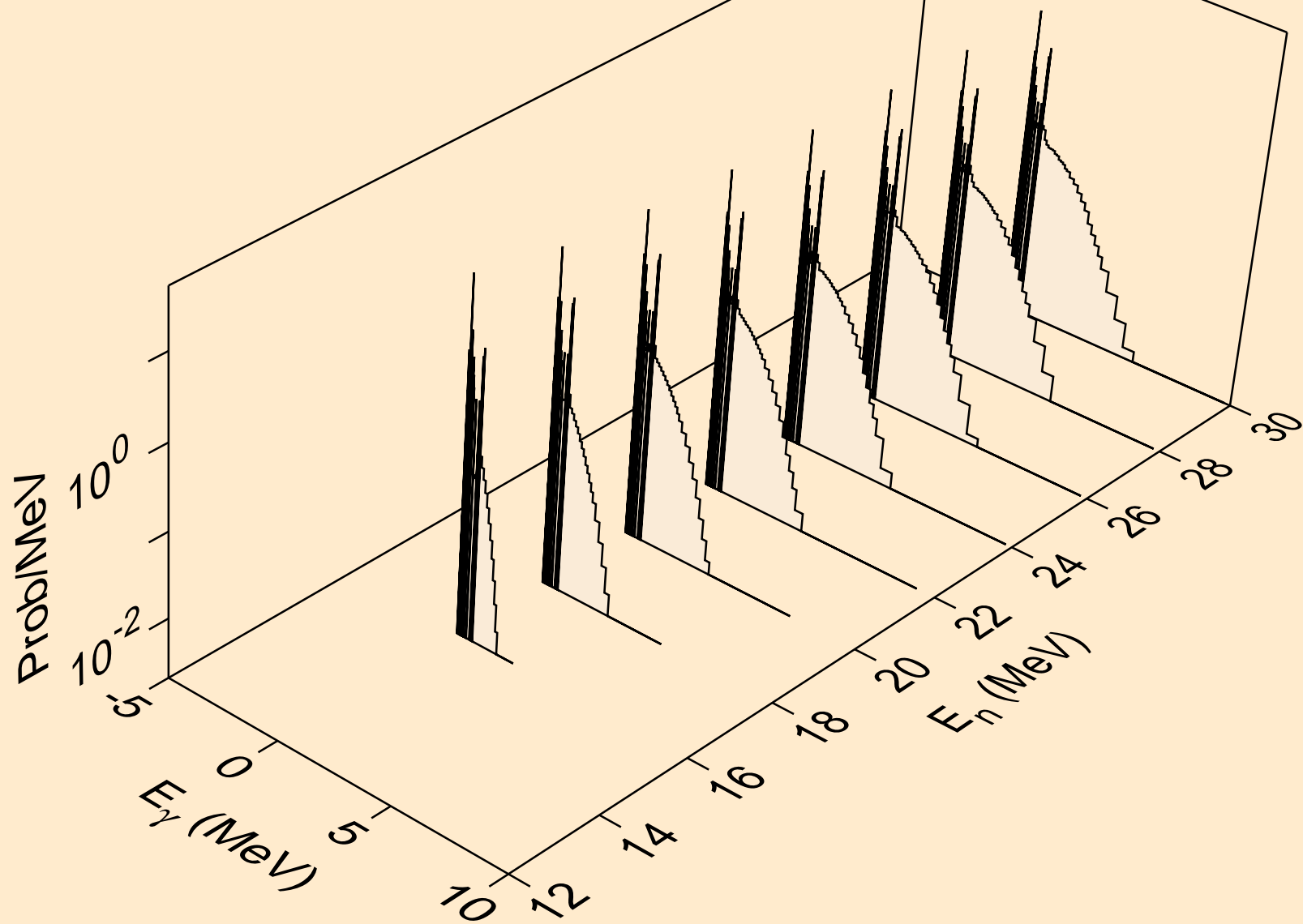
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Photon emission for (n,2nd)



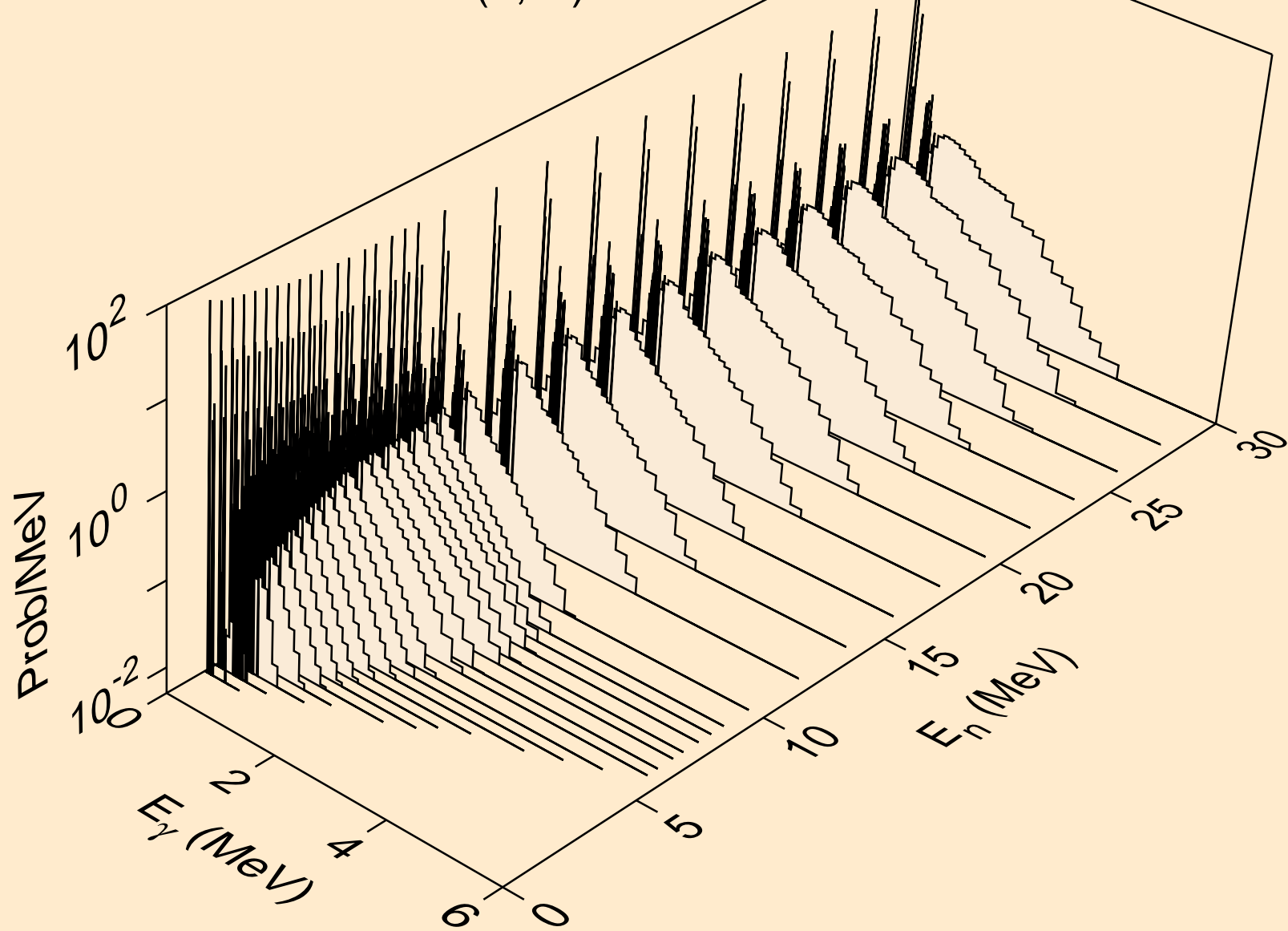
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Photon emission for (n,2n)



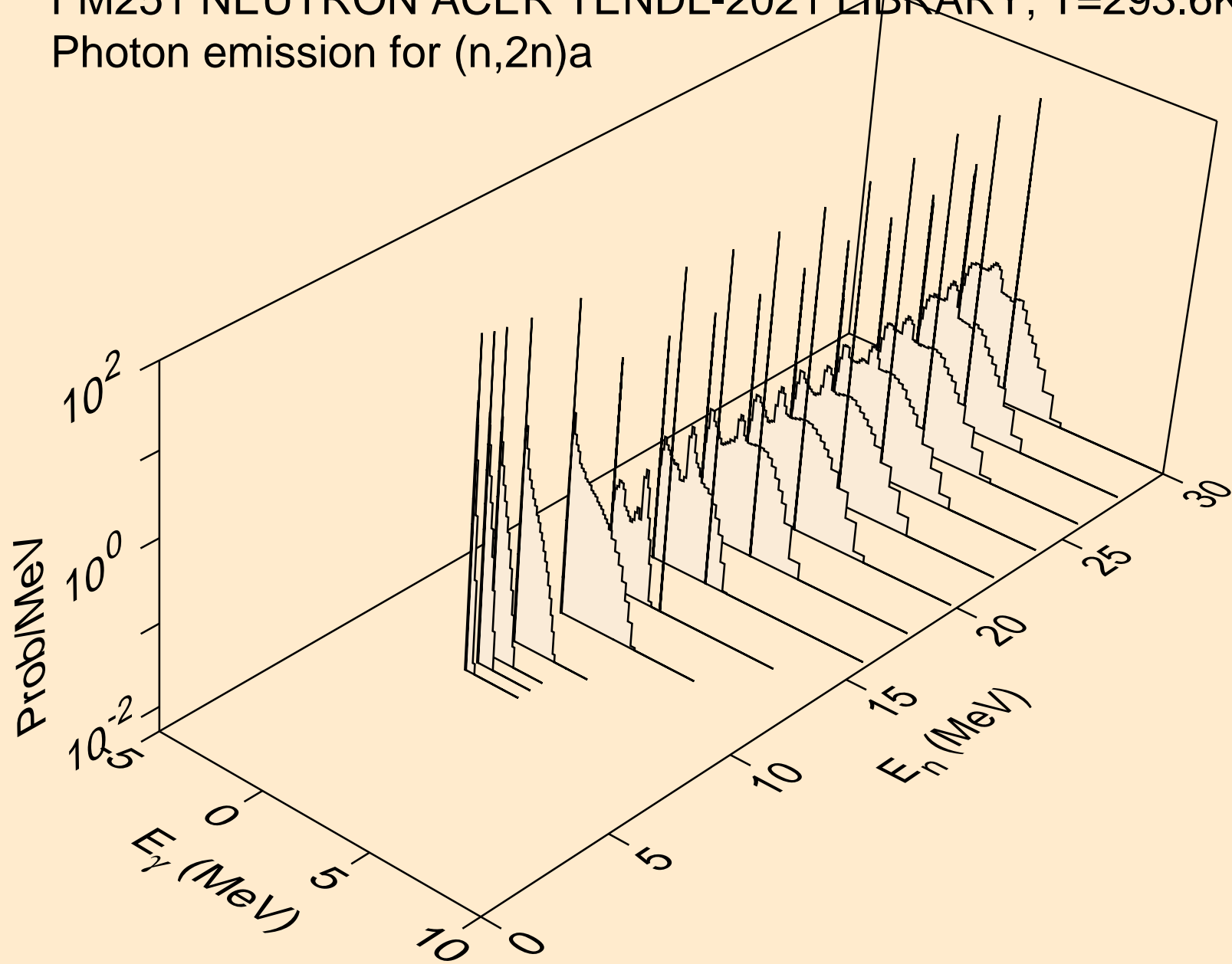
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Photon emission for (n,3n)



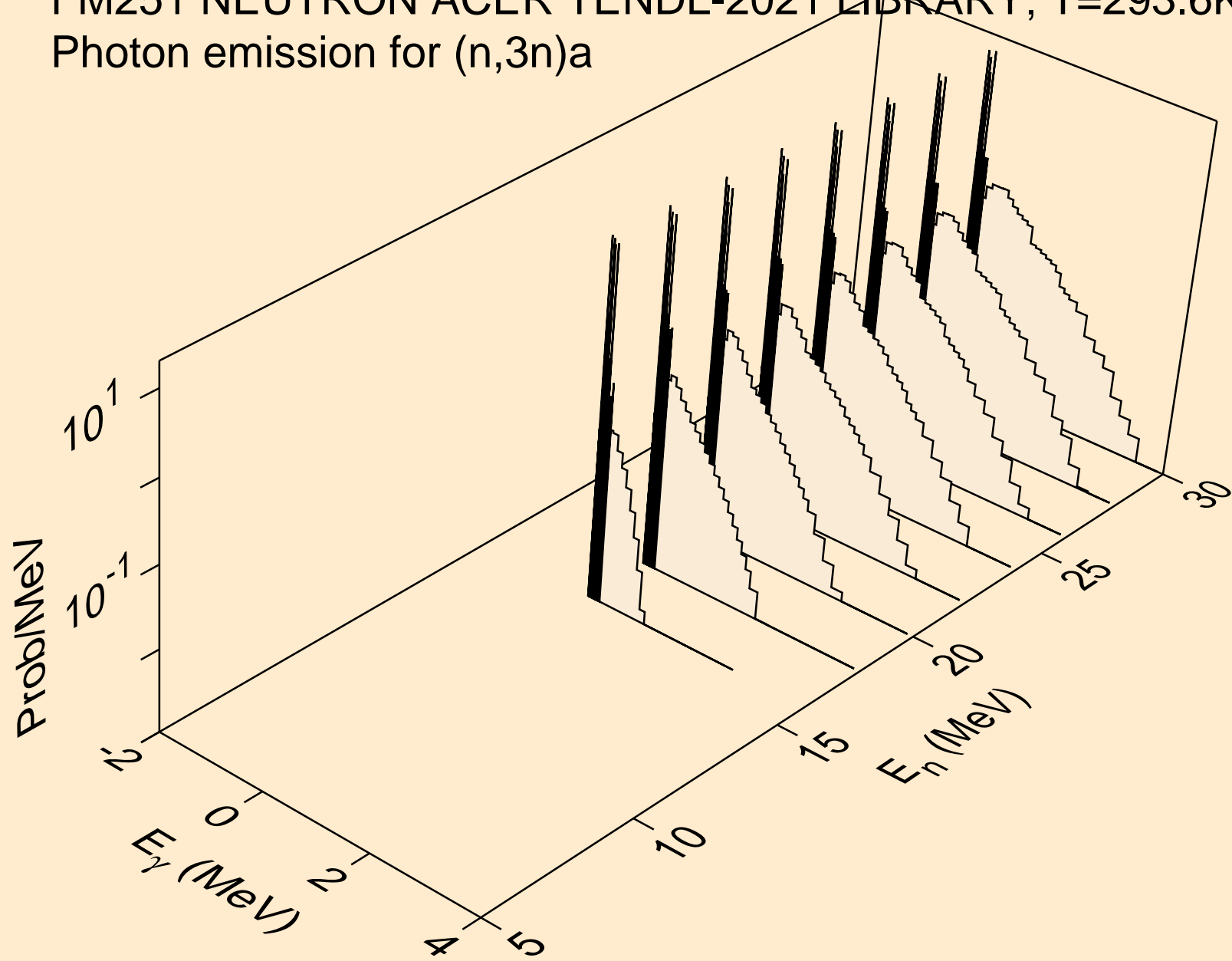
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



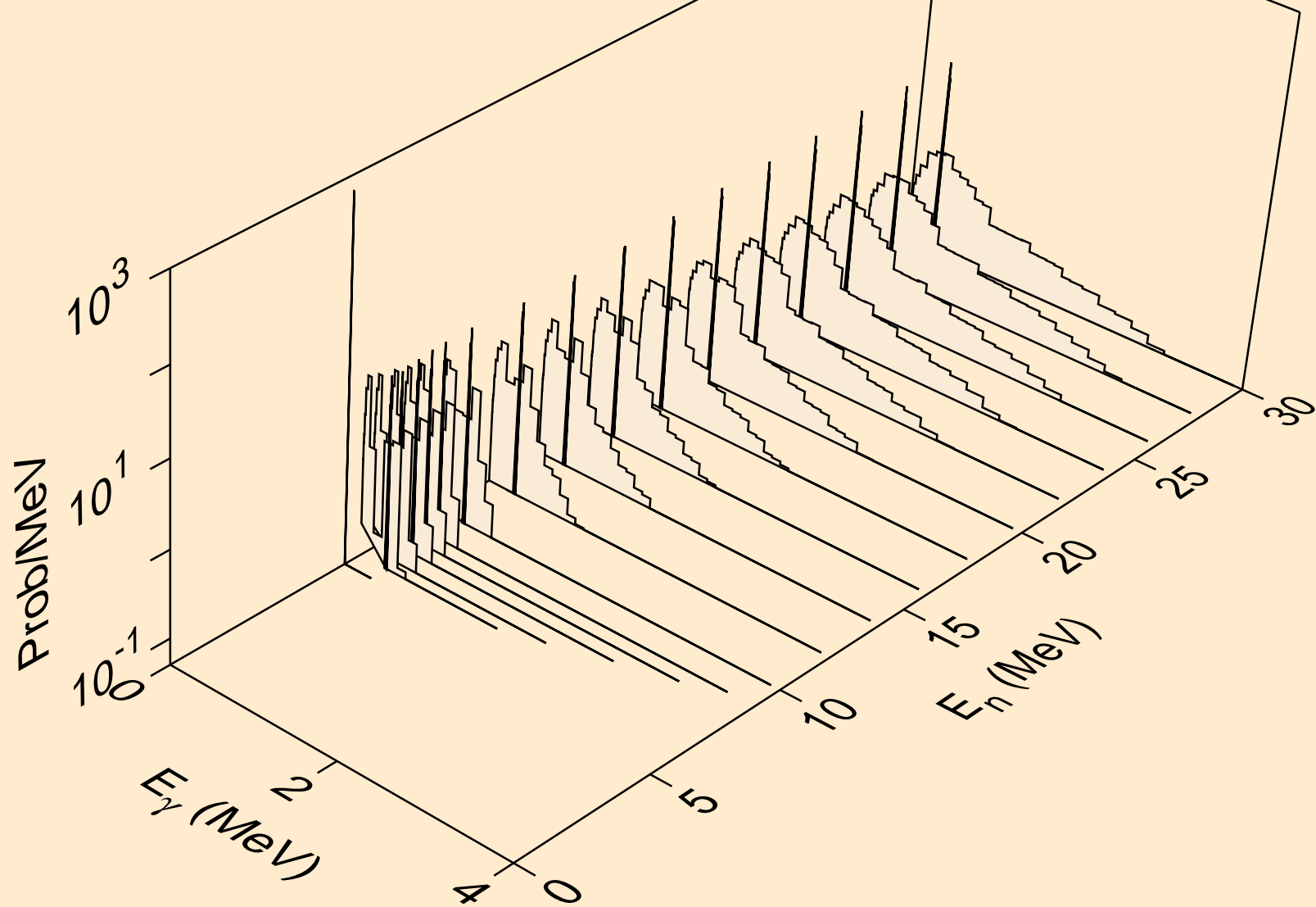
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)a



FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
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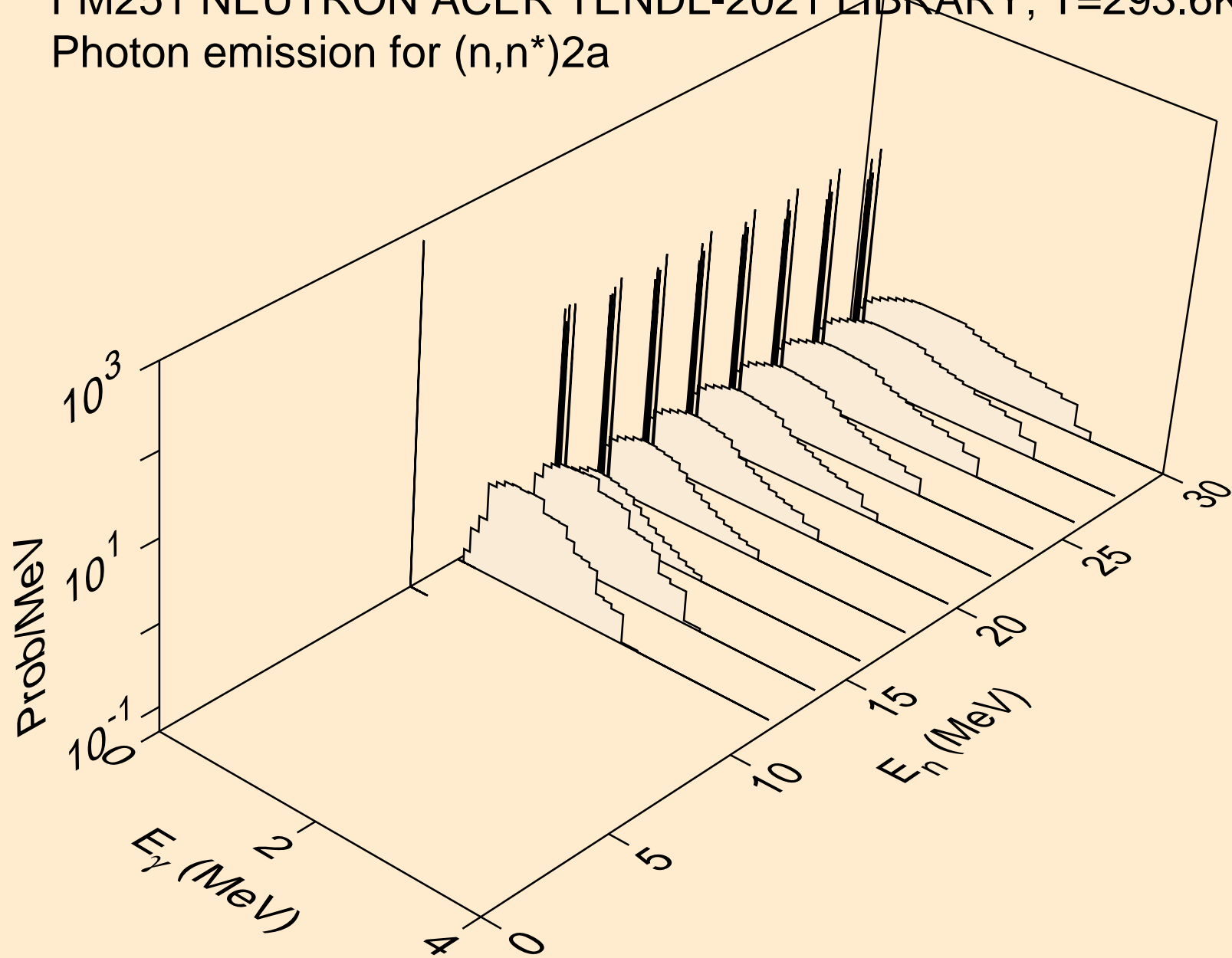


FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p

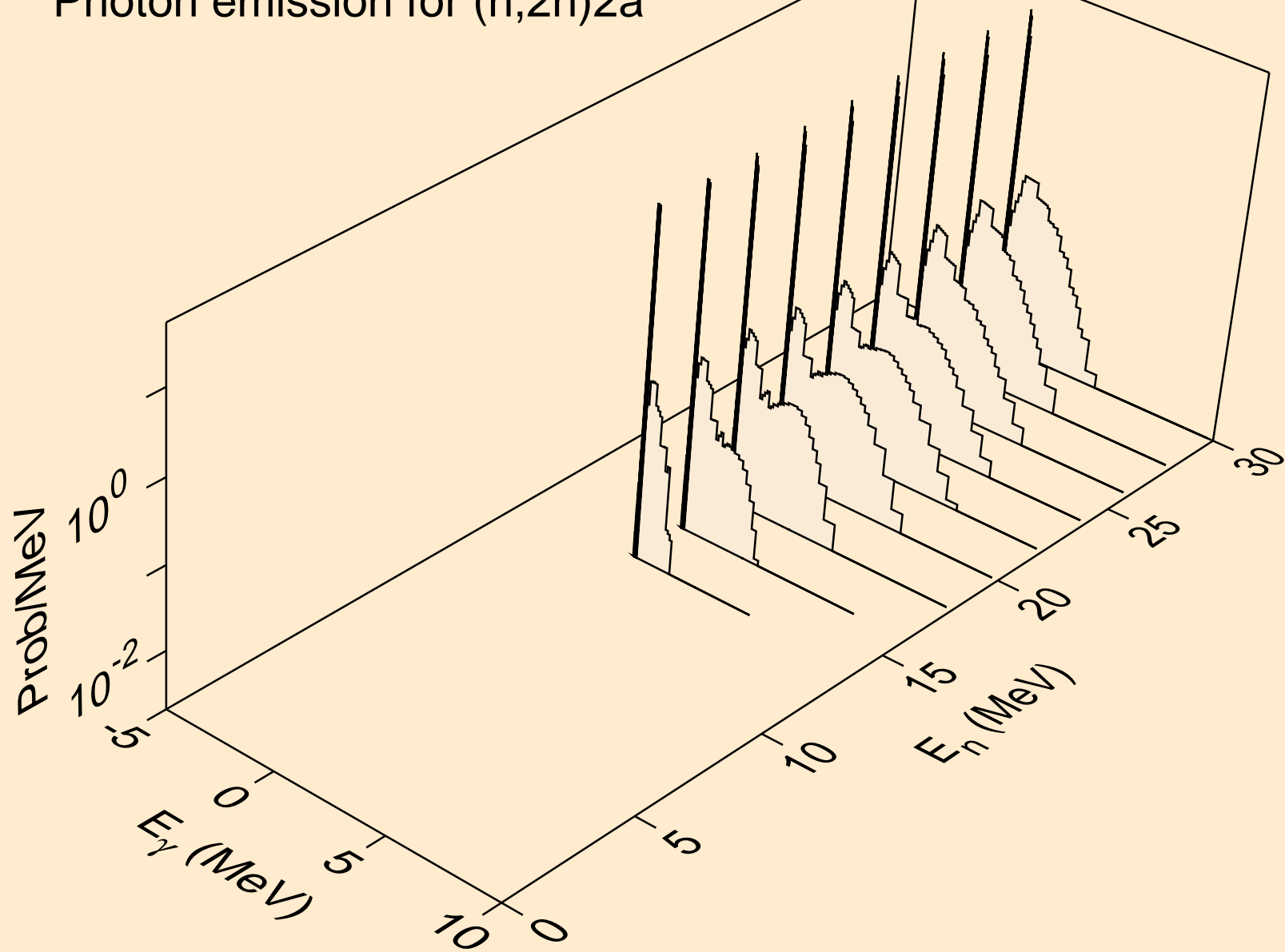




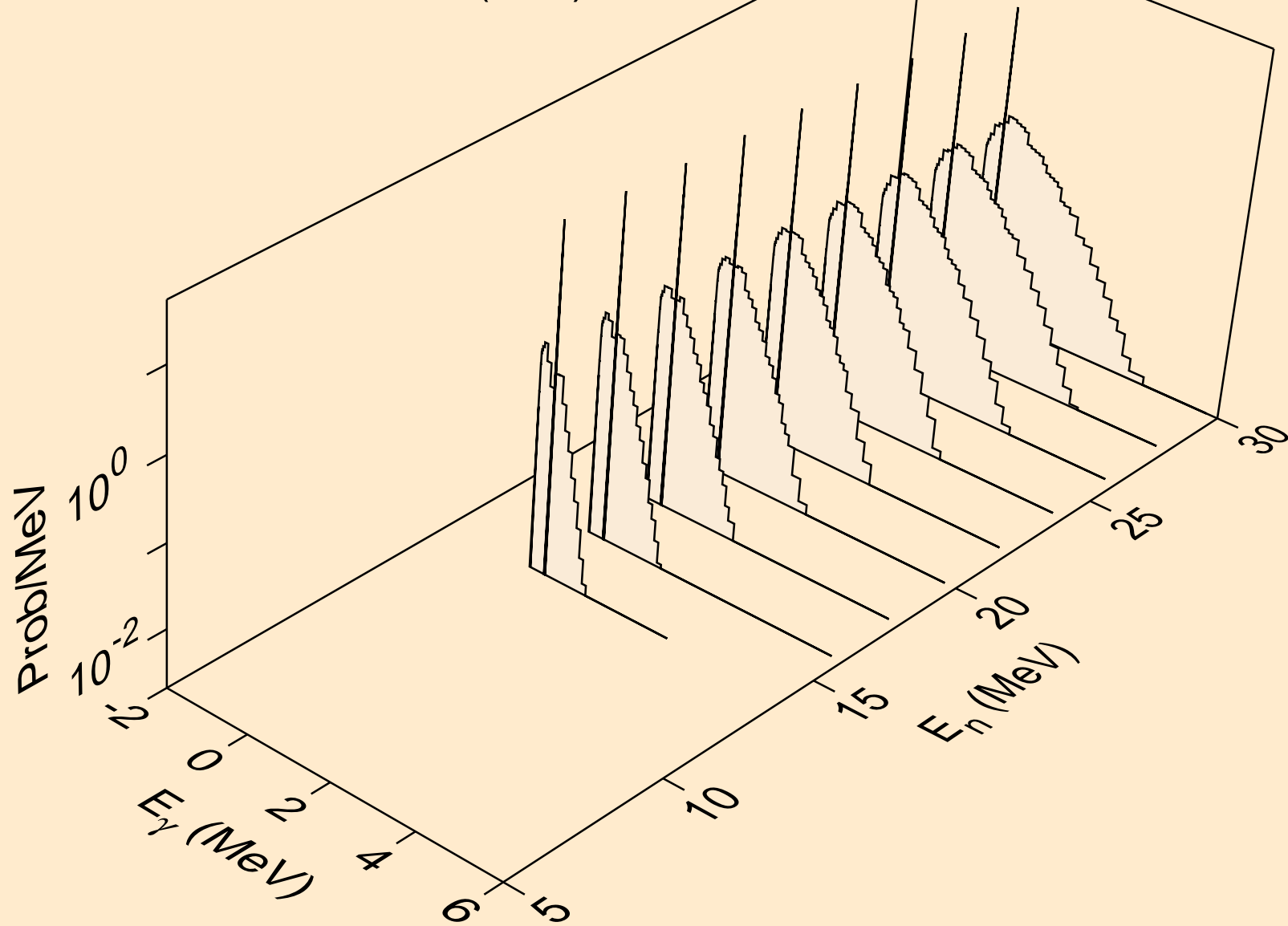
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a



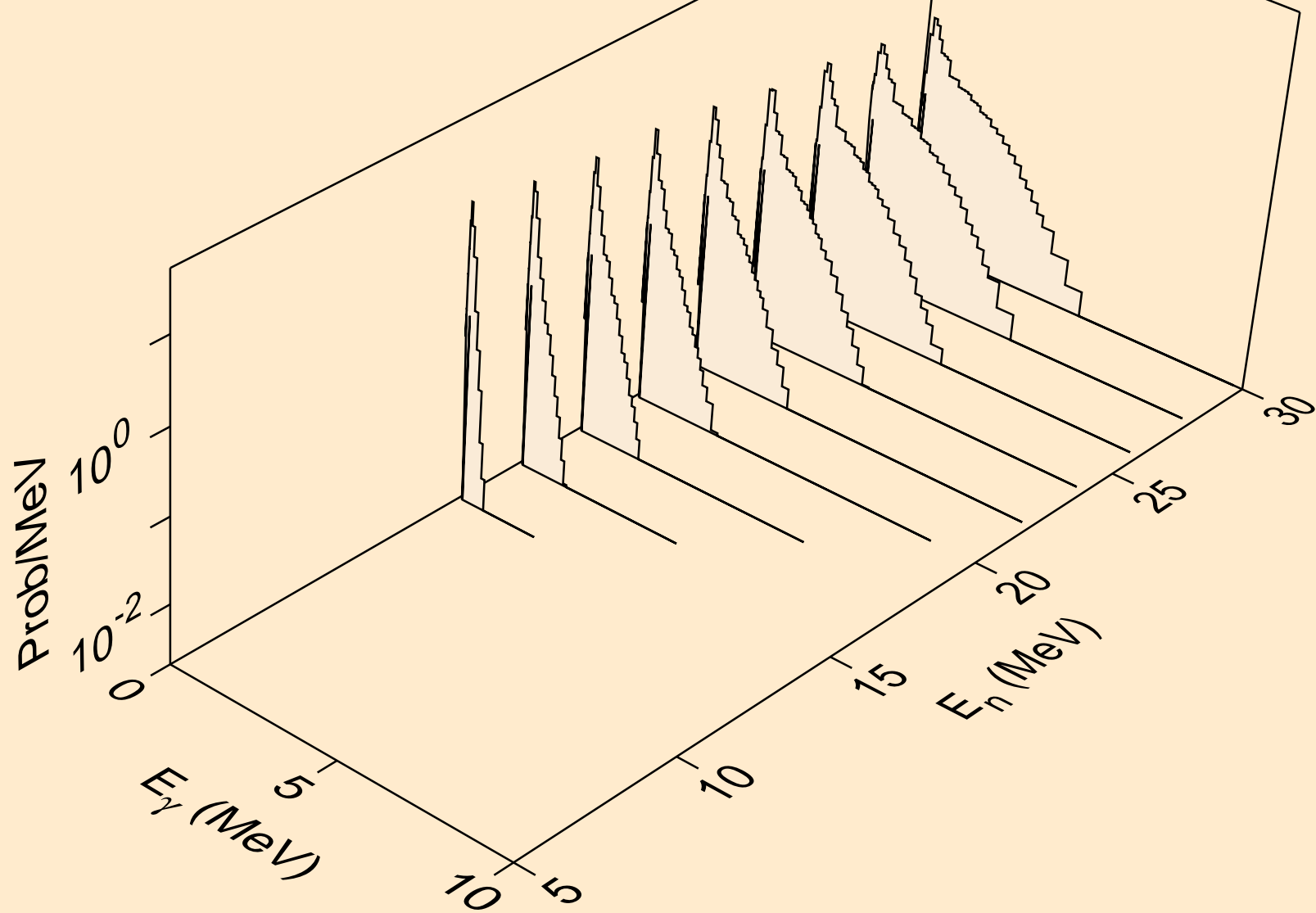
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Photon emission for (n,2n)2a



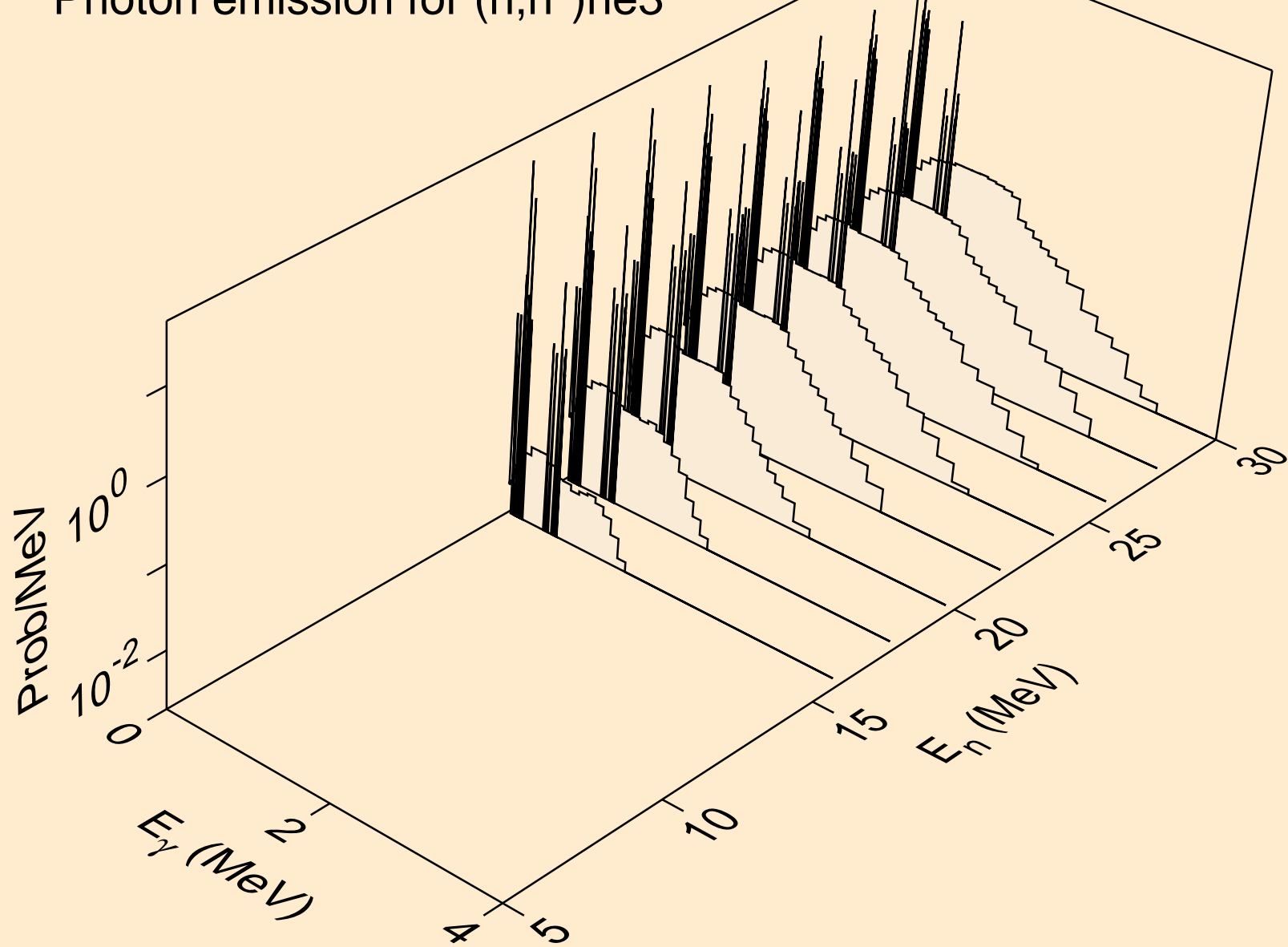
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Photon emission for (n,n\*)d



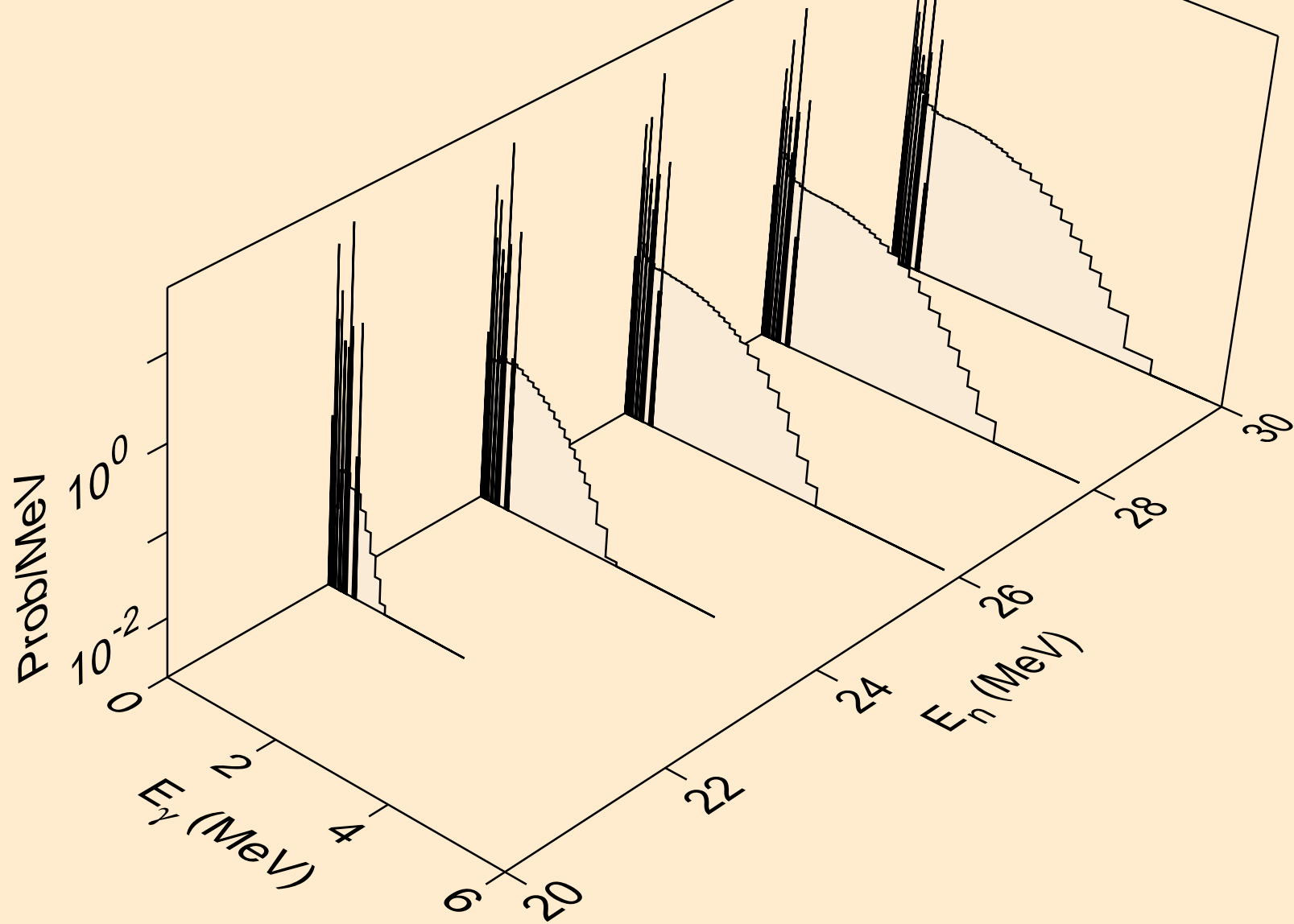
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Photon emission for (n,n\*)t



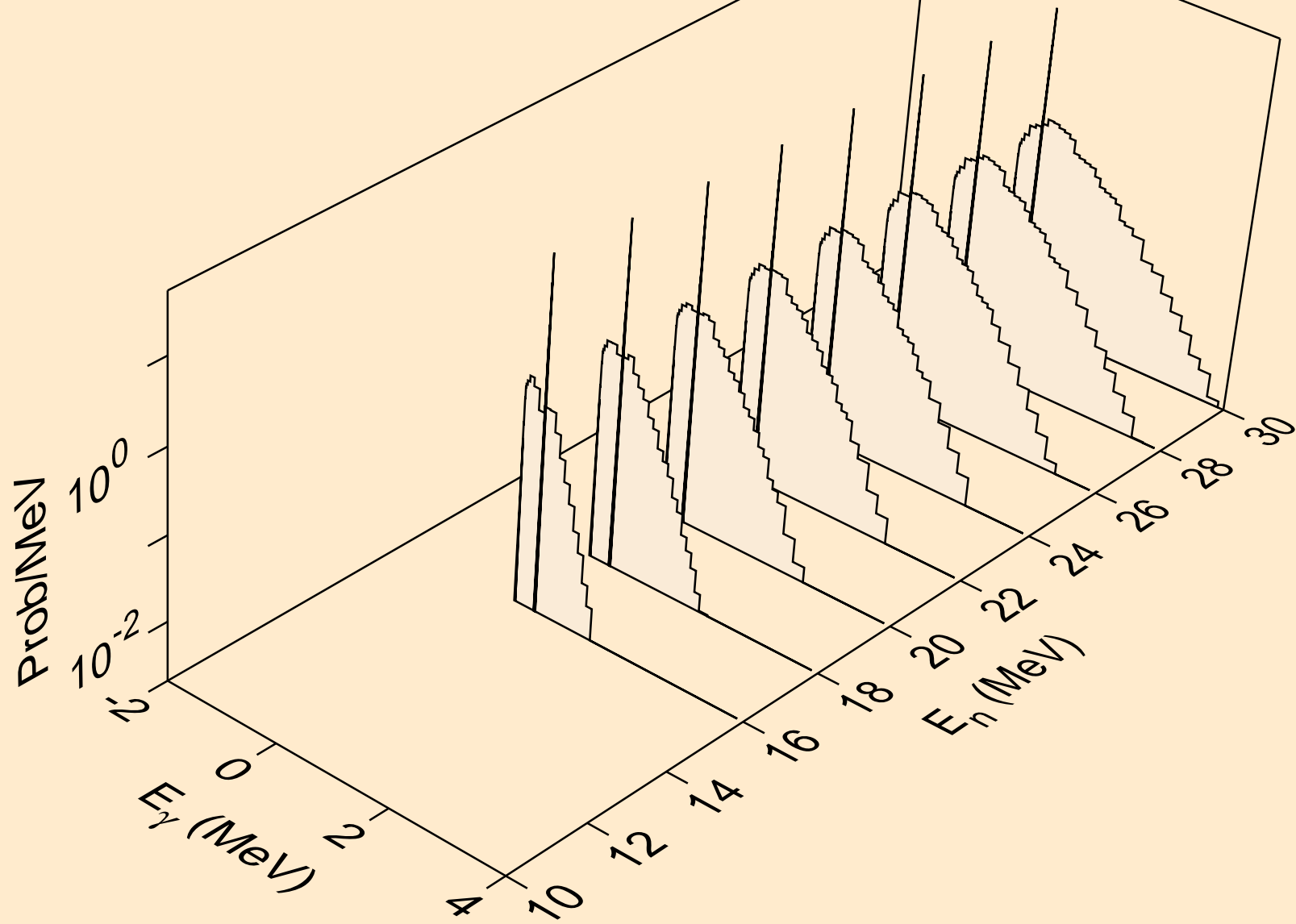
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Photon emission for (n,n\*)he3



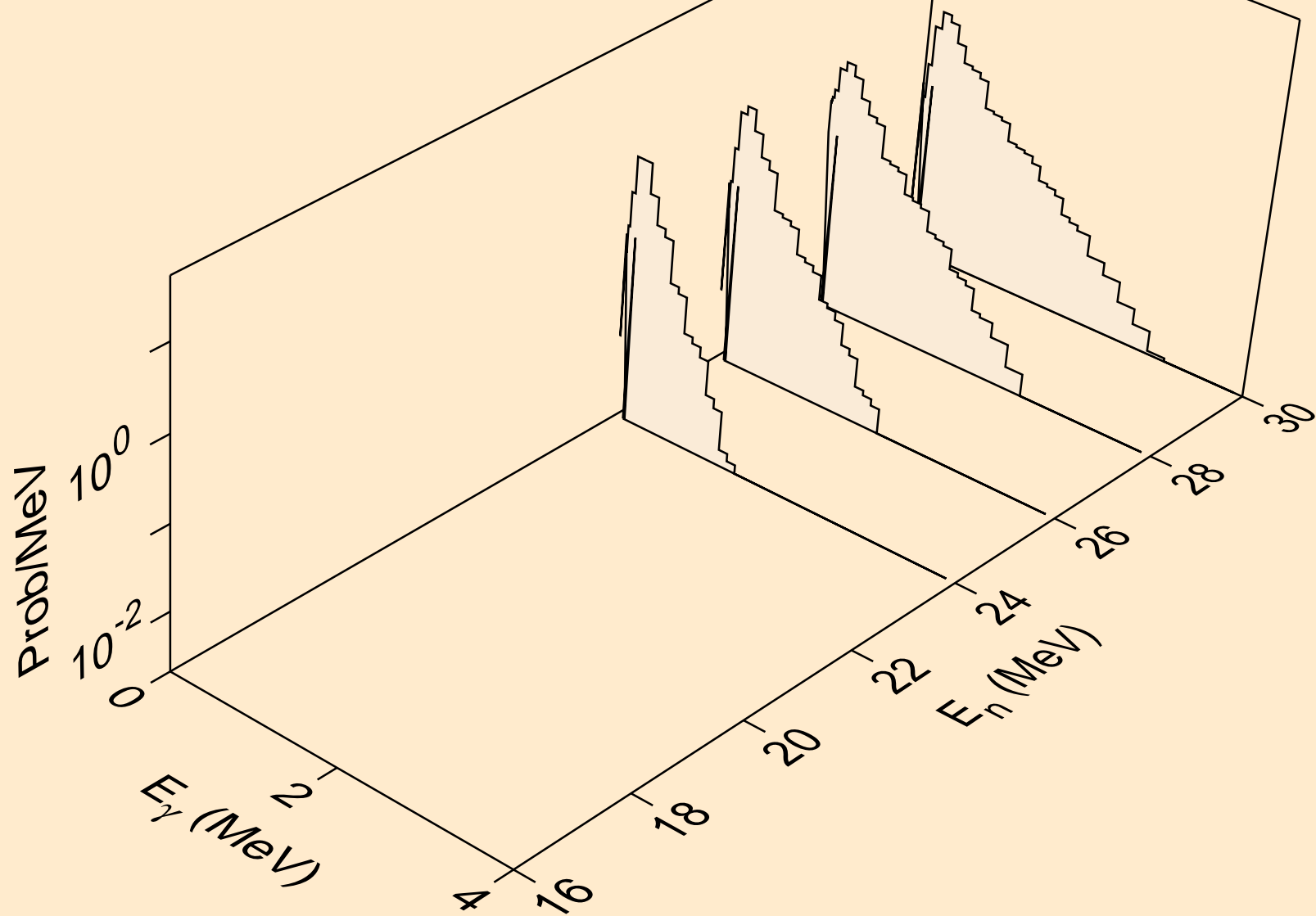
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,4n)



FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)

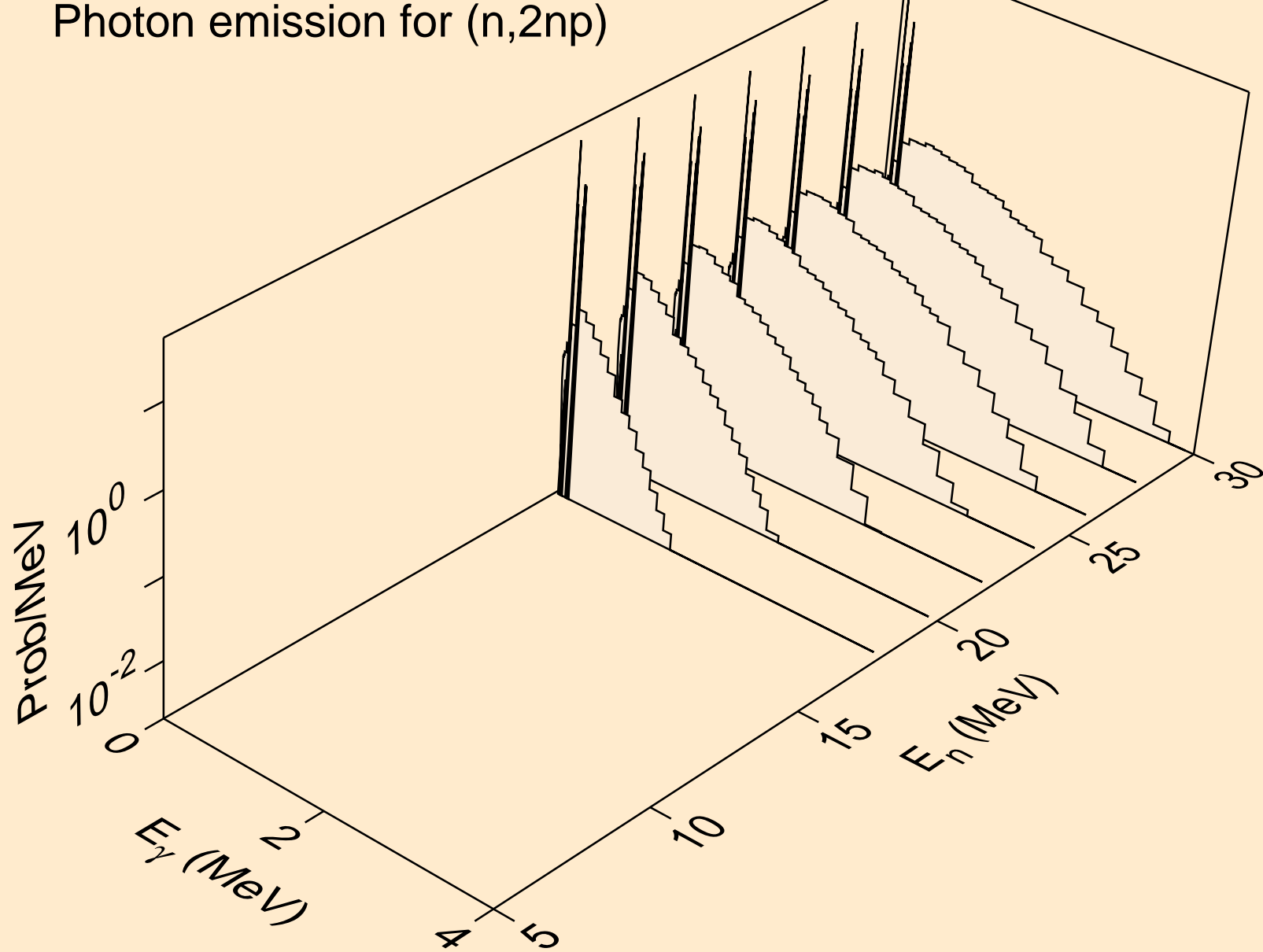


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Photon emission for (n,3np)

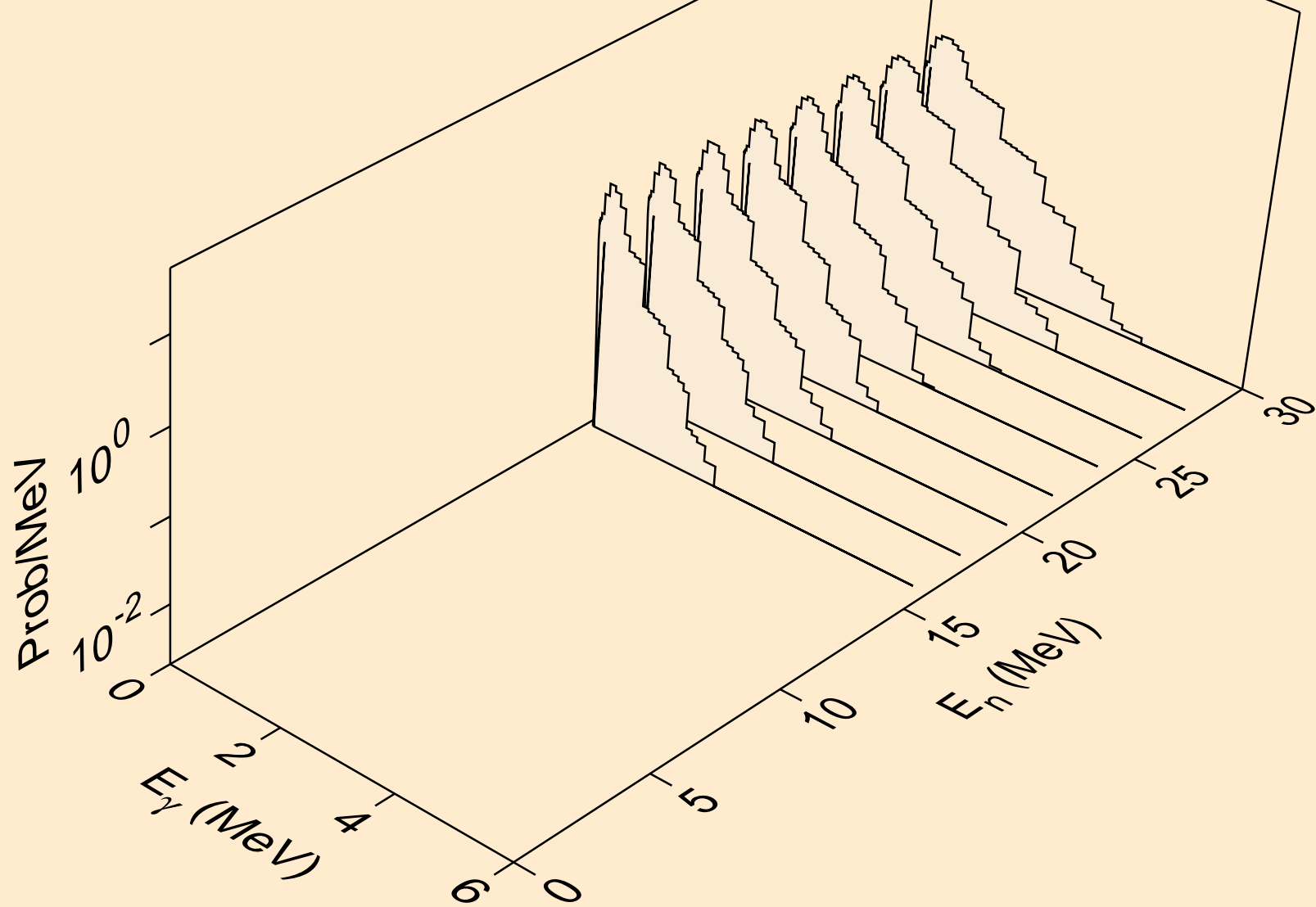




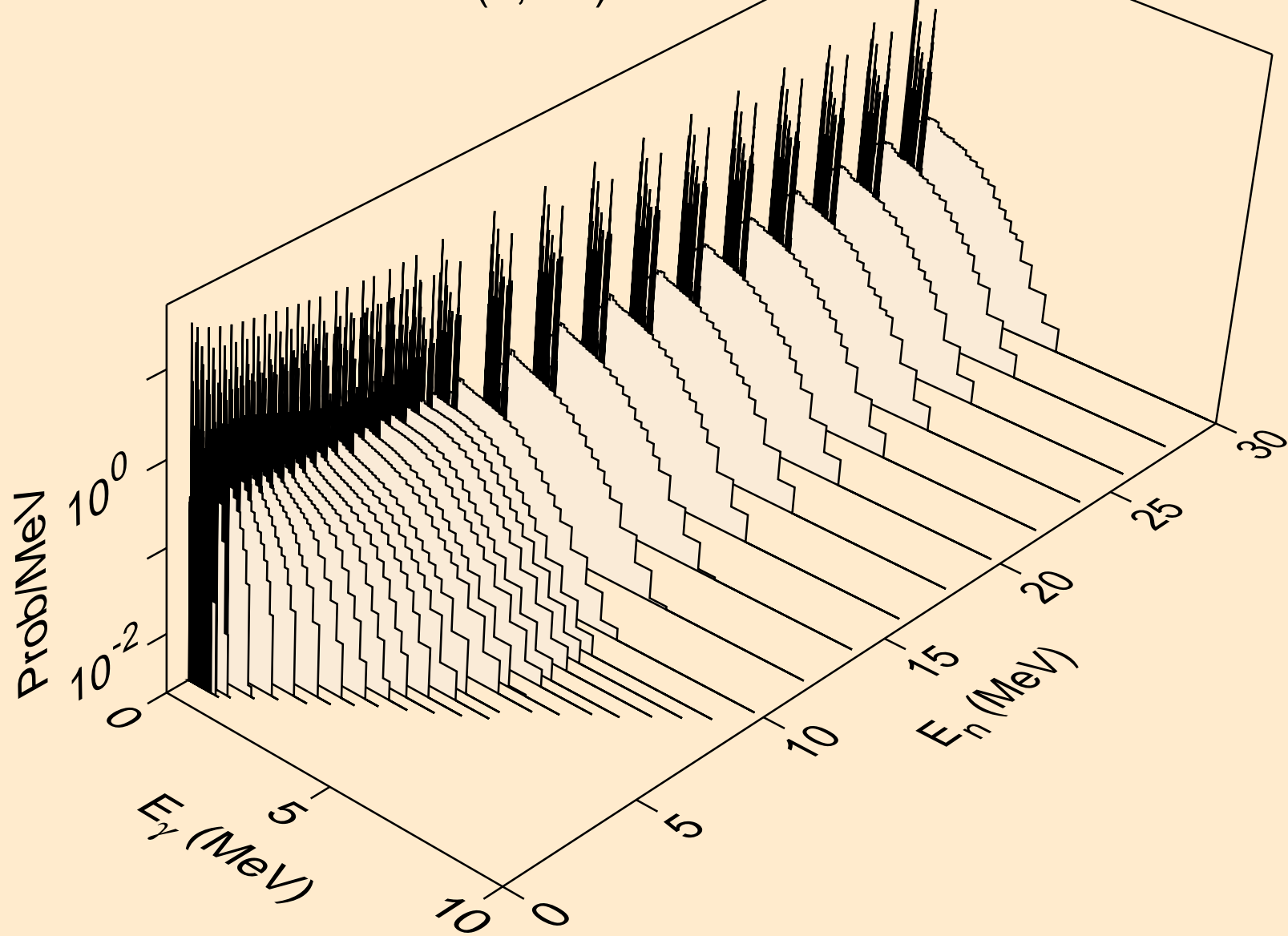
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Photon emission for (n,2np)



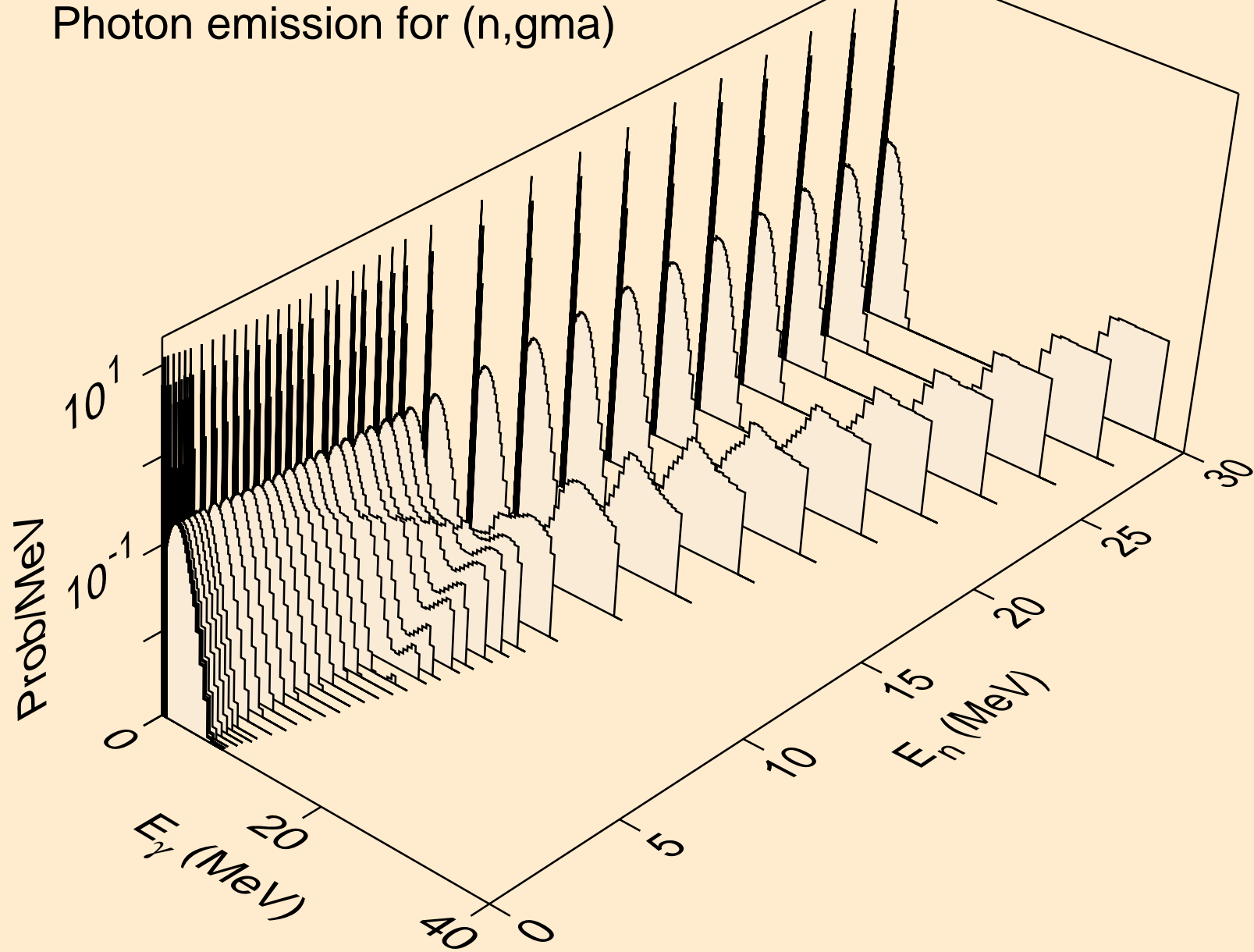
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Photon emission for (n,npa)



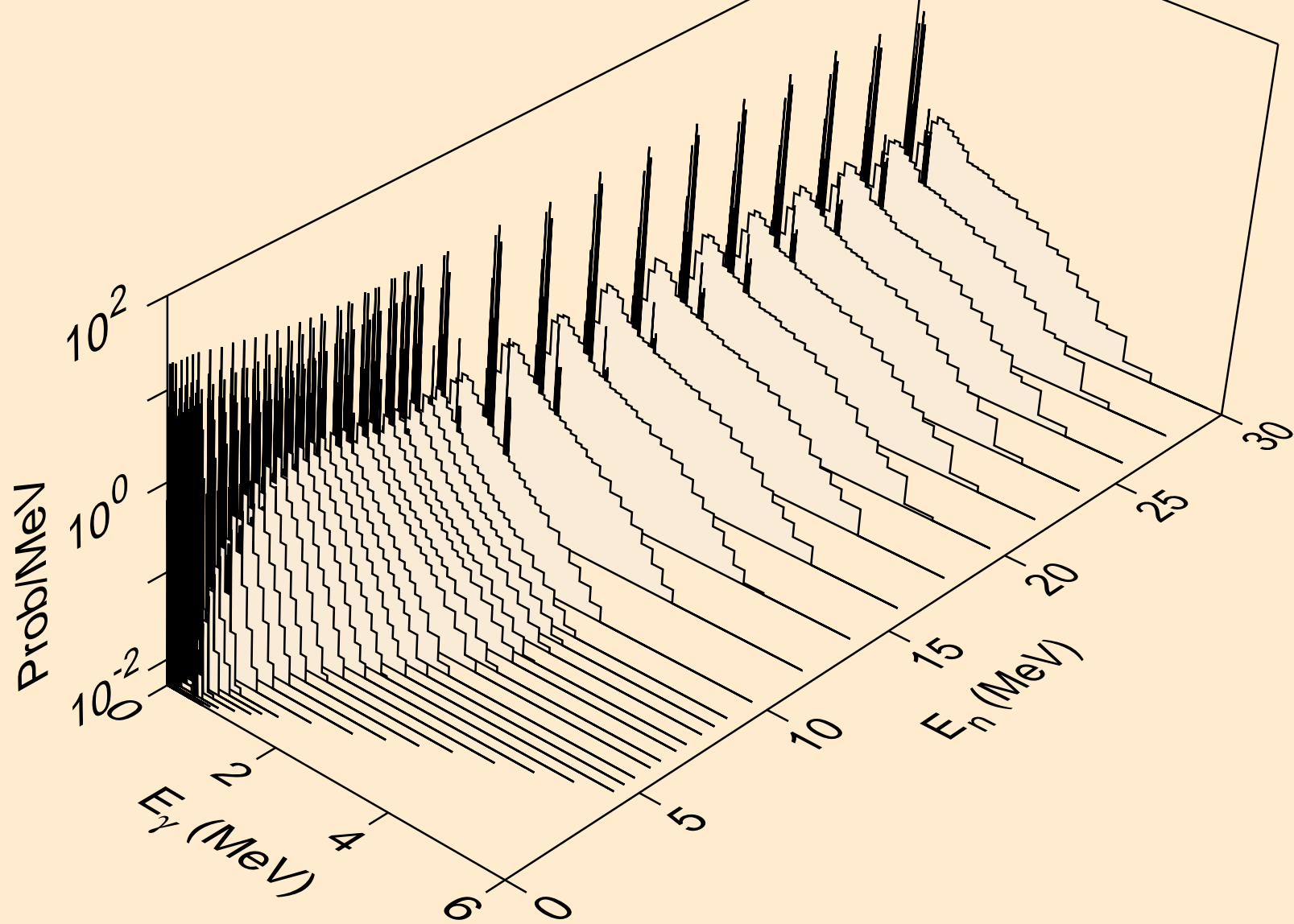
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Photon emission for (n,n\*c)



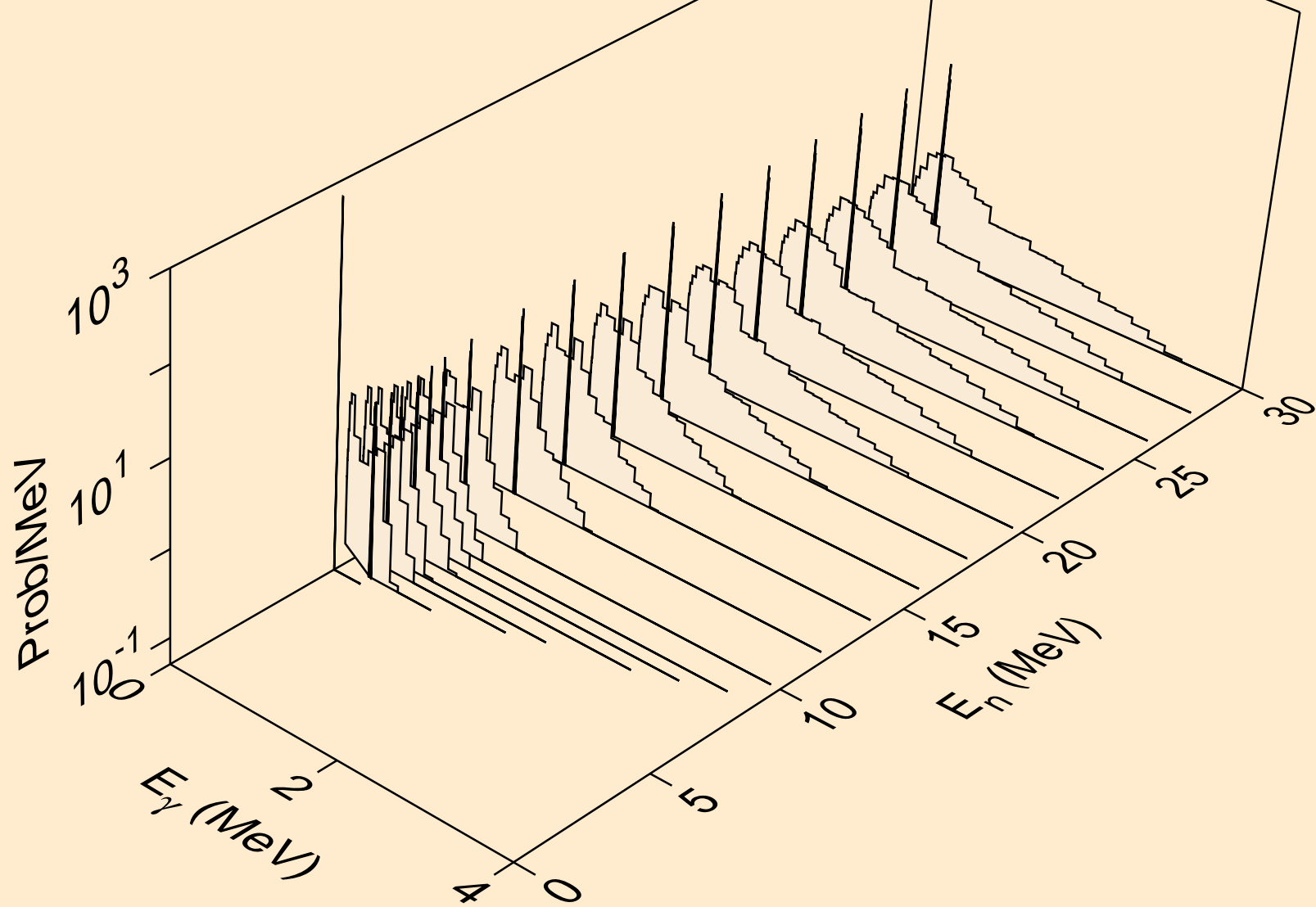
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Photon emission for (n,gma)



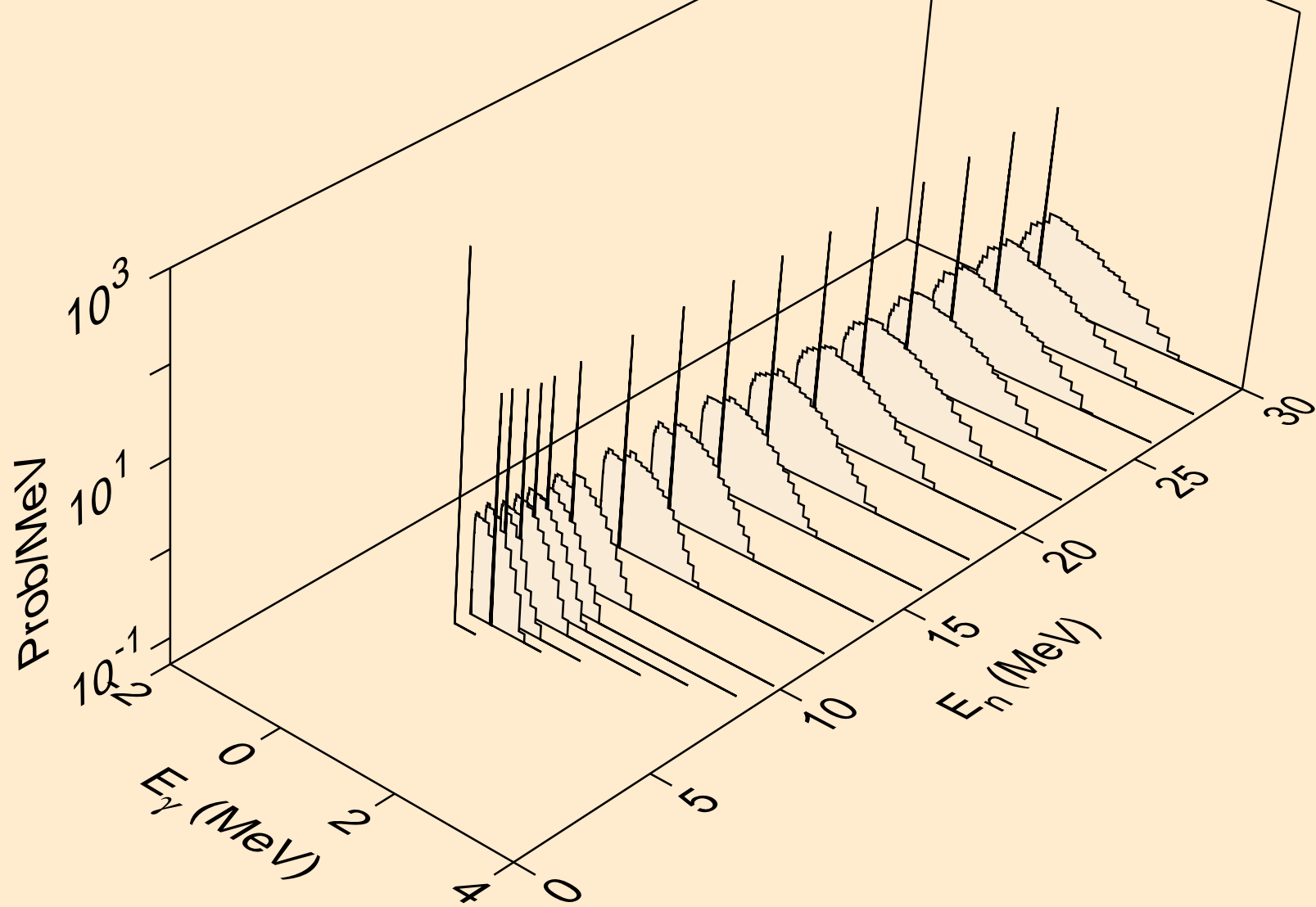
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Photon emission for (n,p)



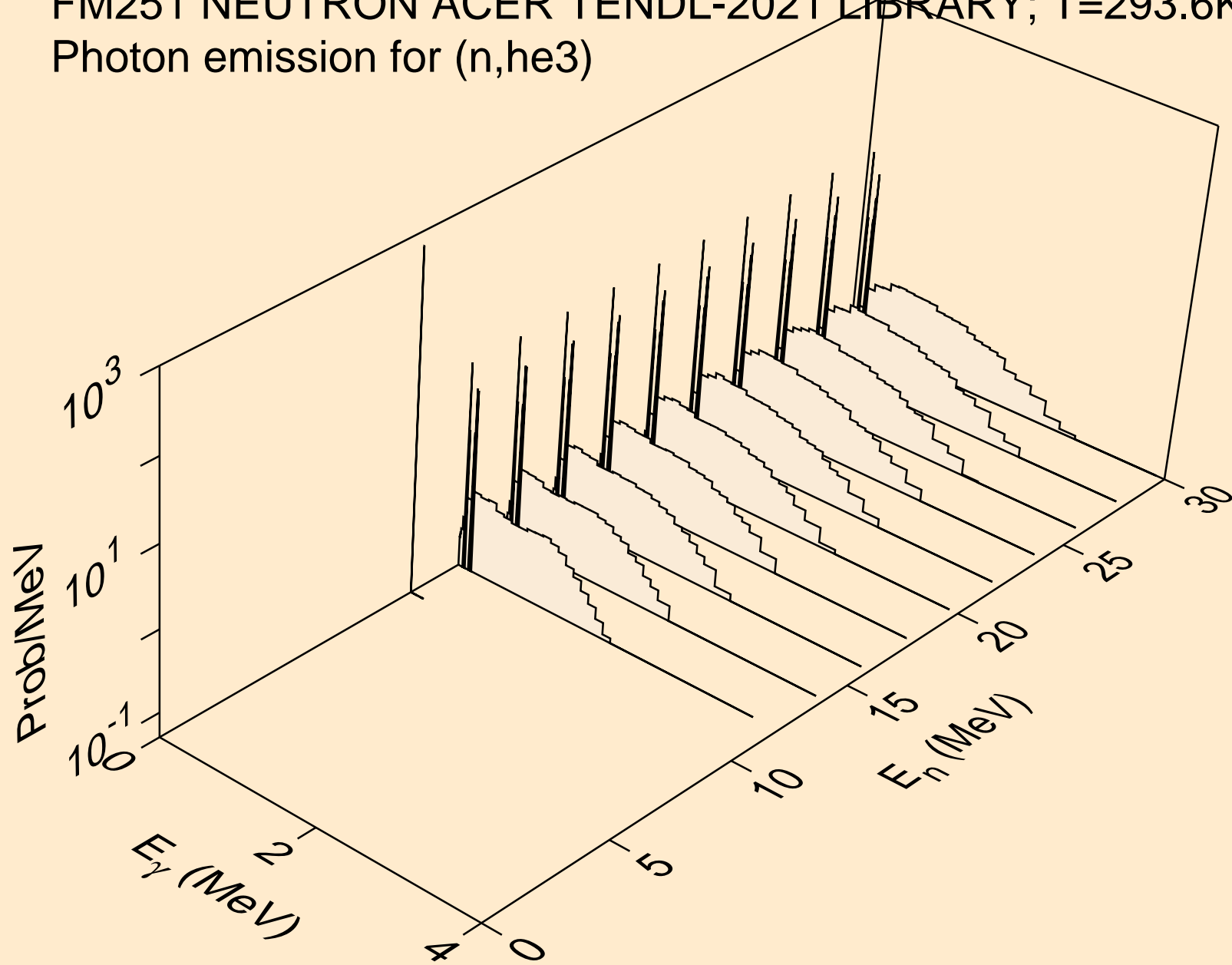
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d)



FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t)

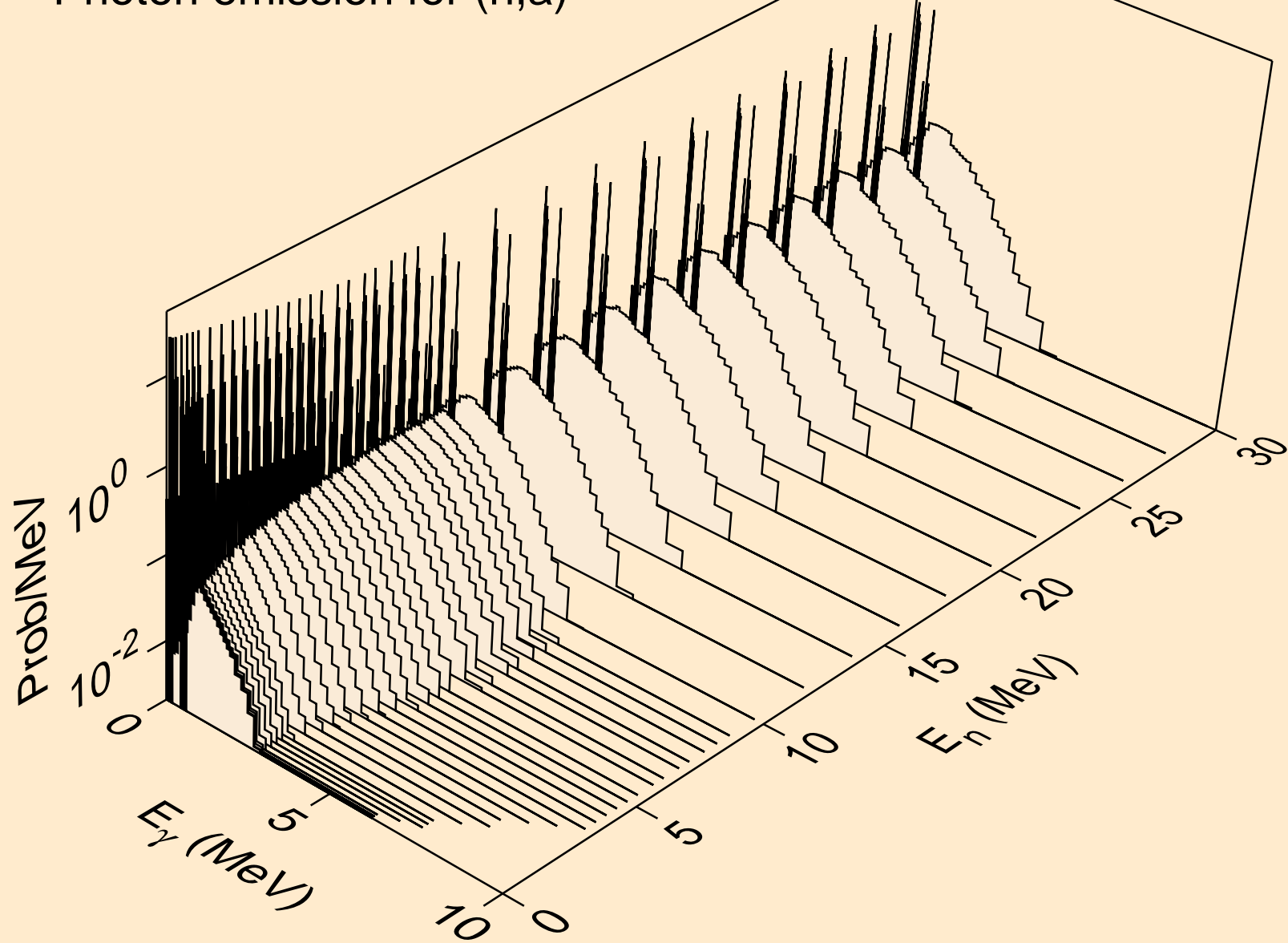


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Photon emission for (n,he3)

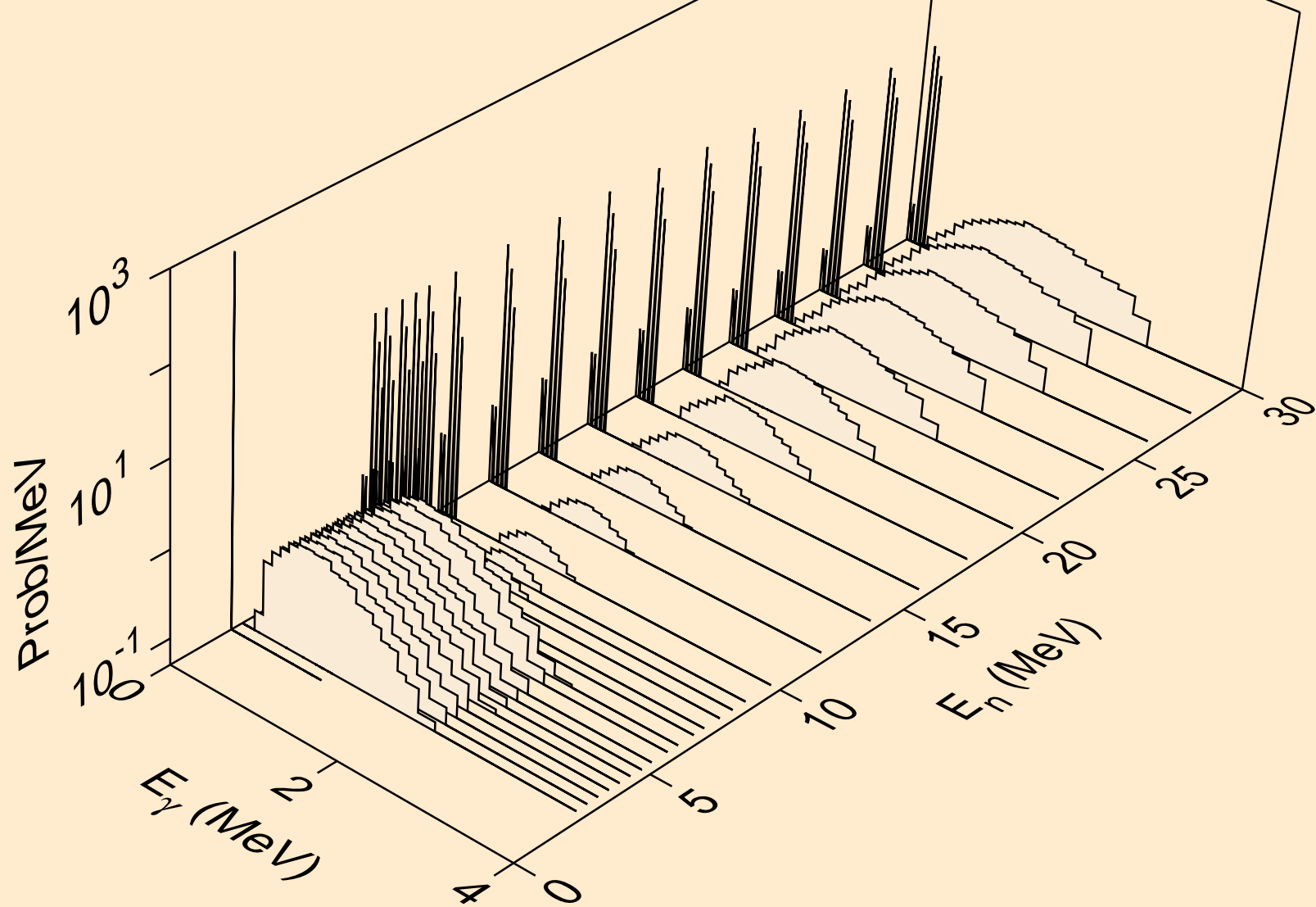




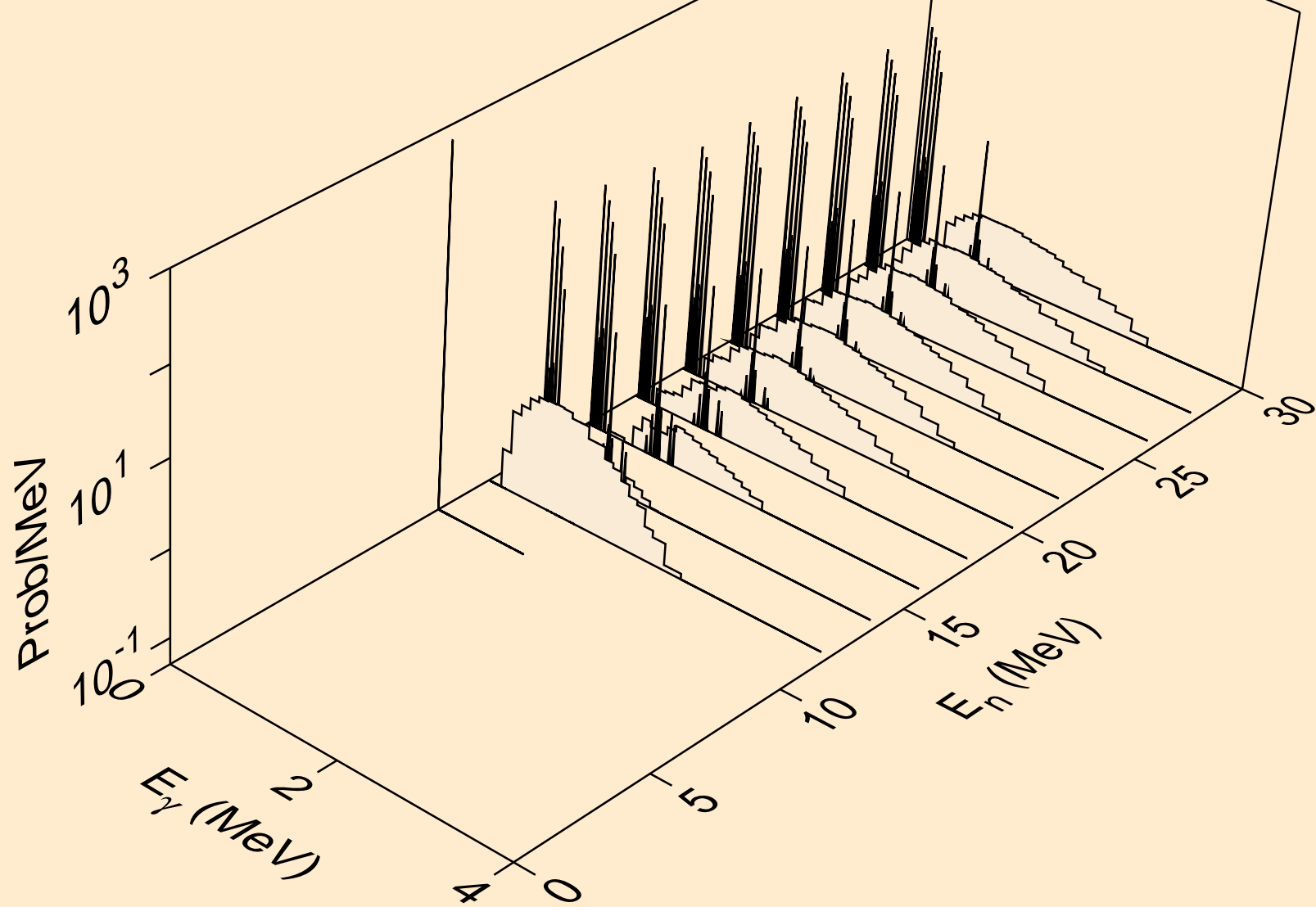
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Photon emission for (n,a)



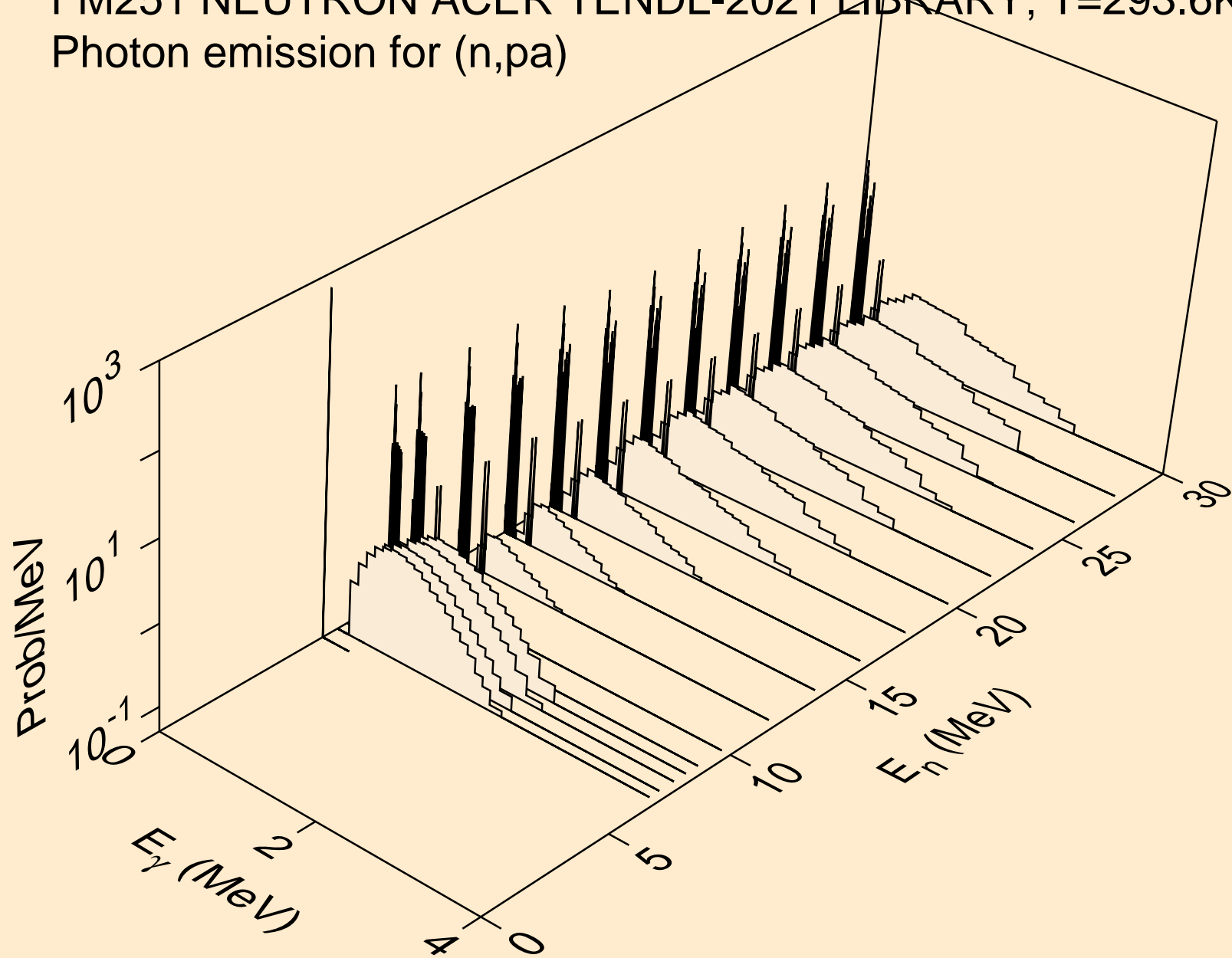
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Photon emission for (n,2a)



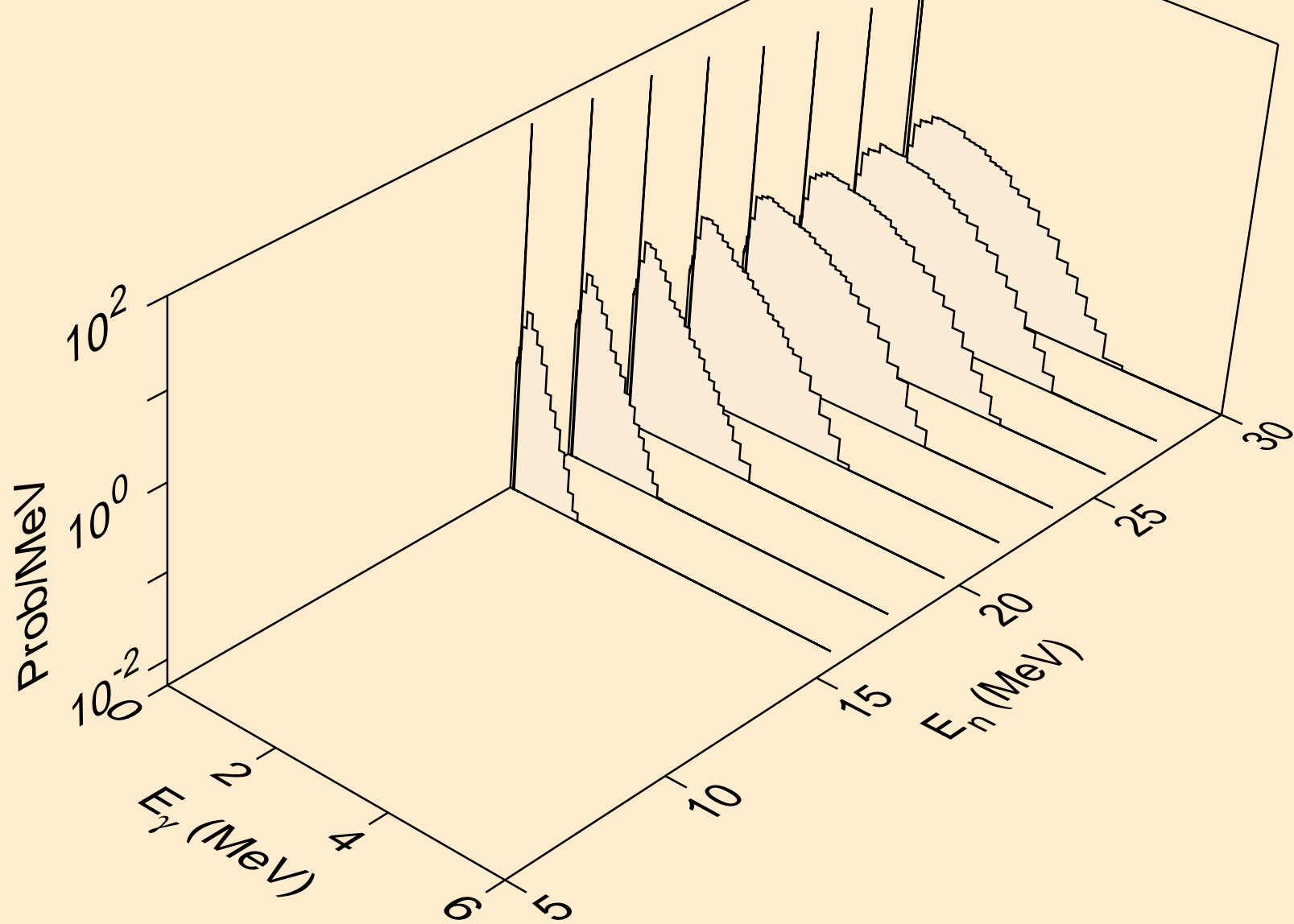
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Photon emission for (n,2p)



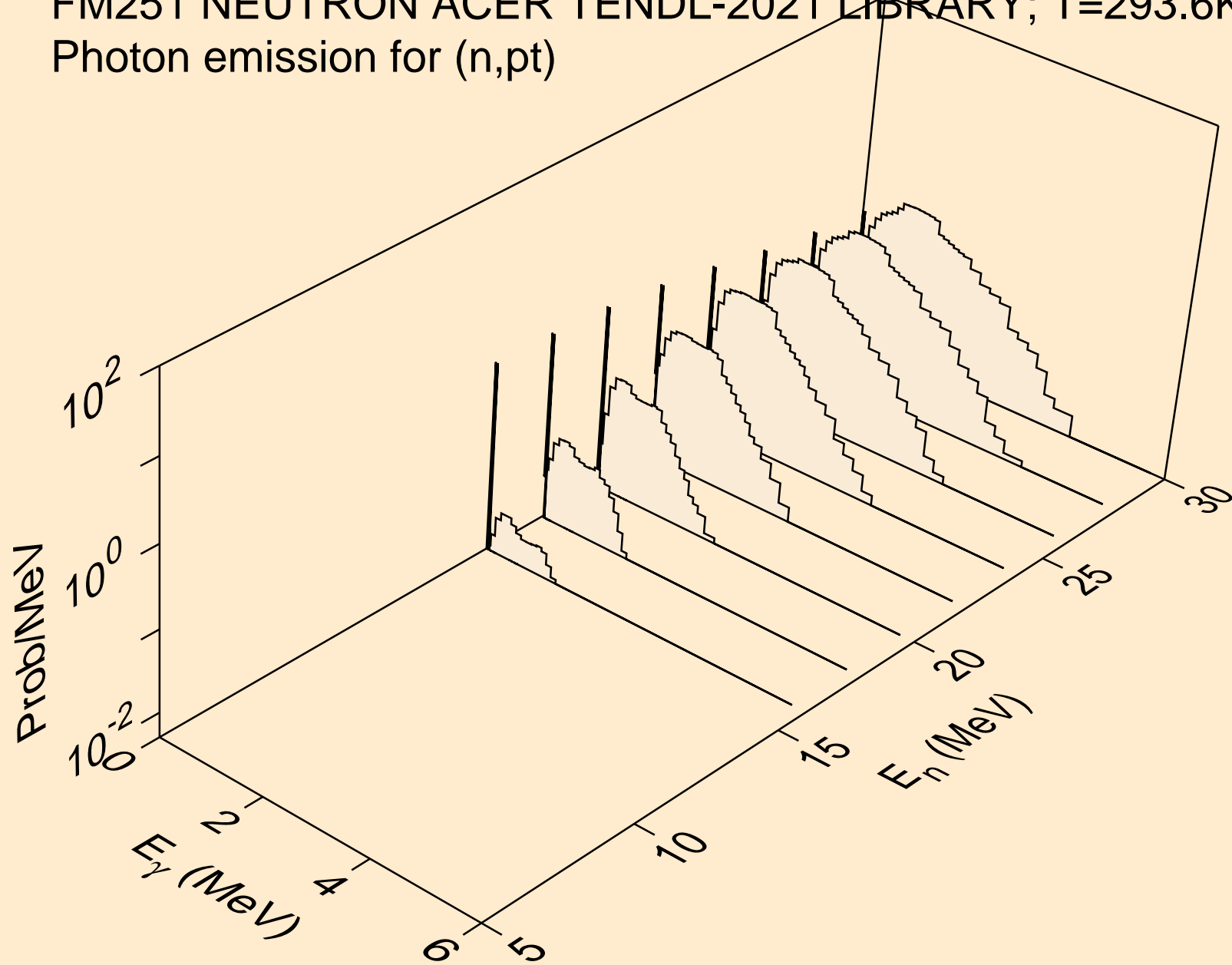
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p $\alpha$ )



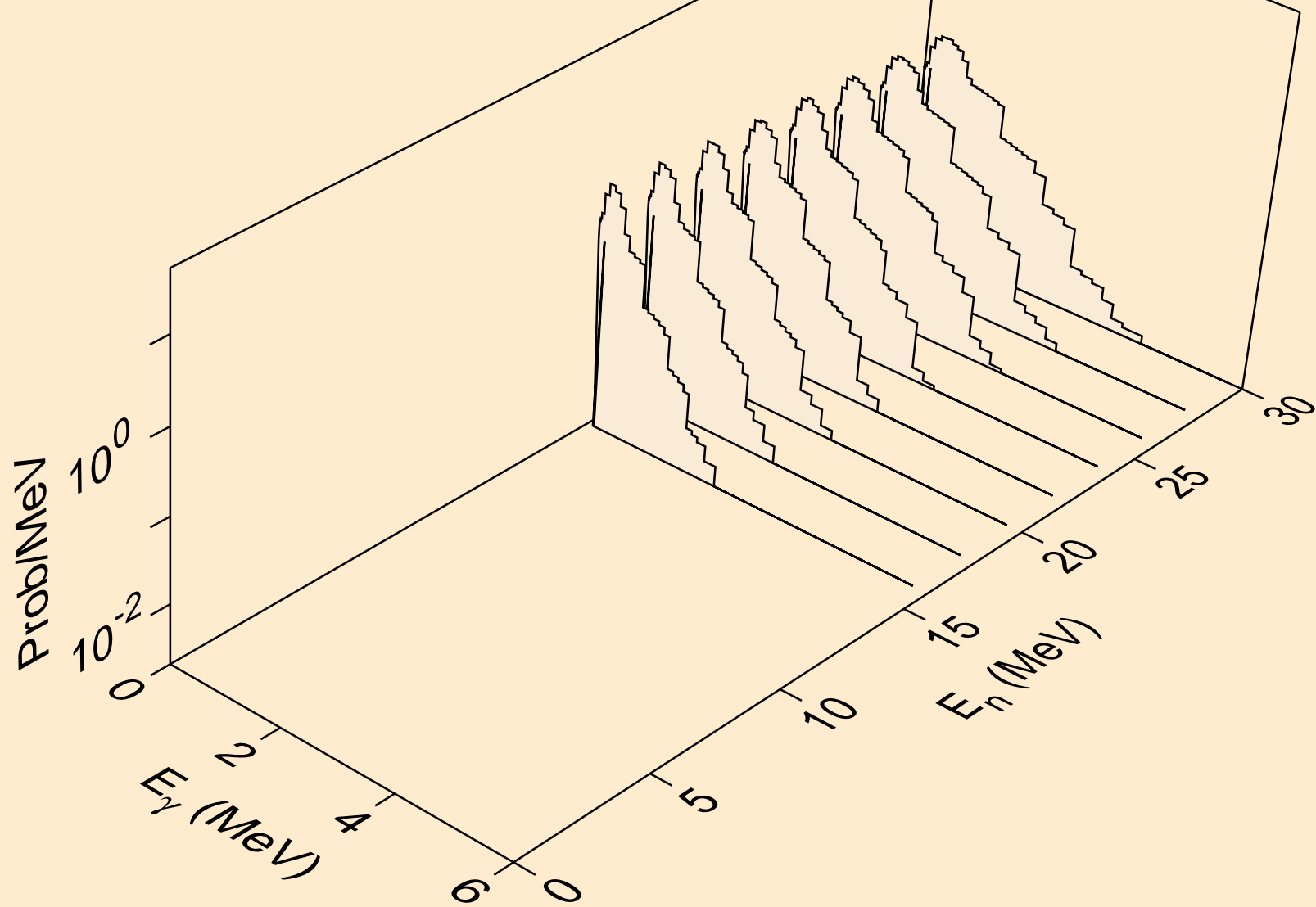
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pd)



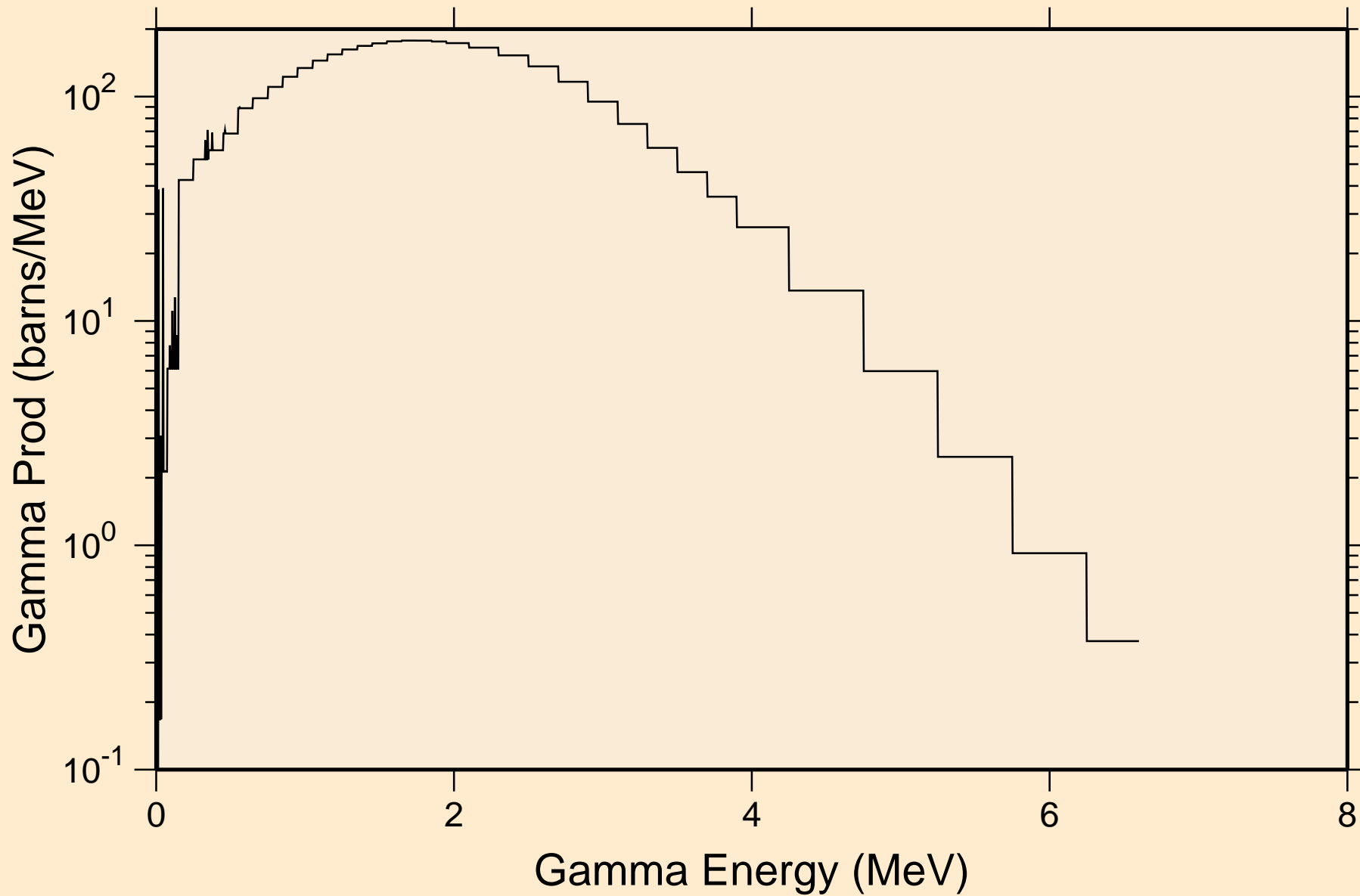
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pt)



FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,da)

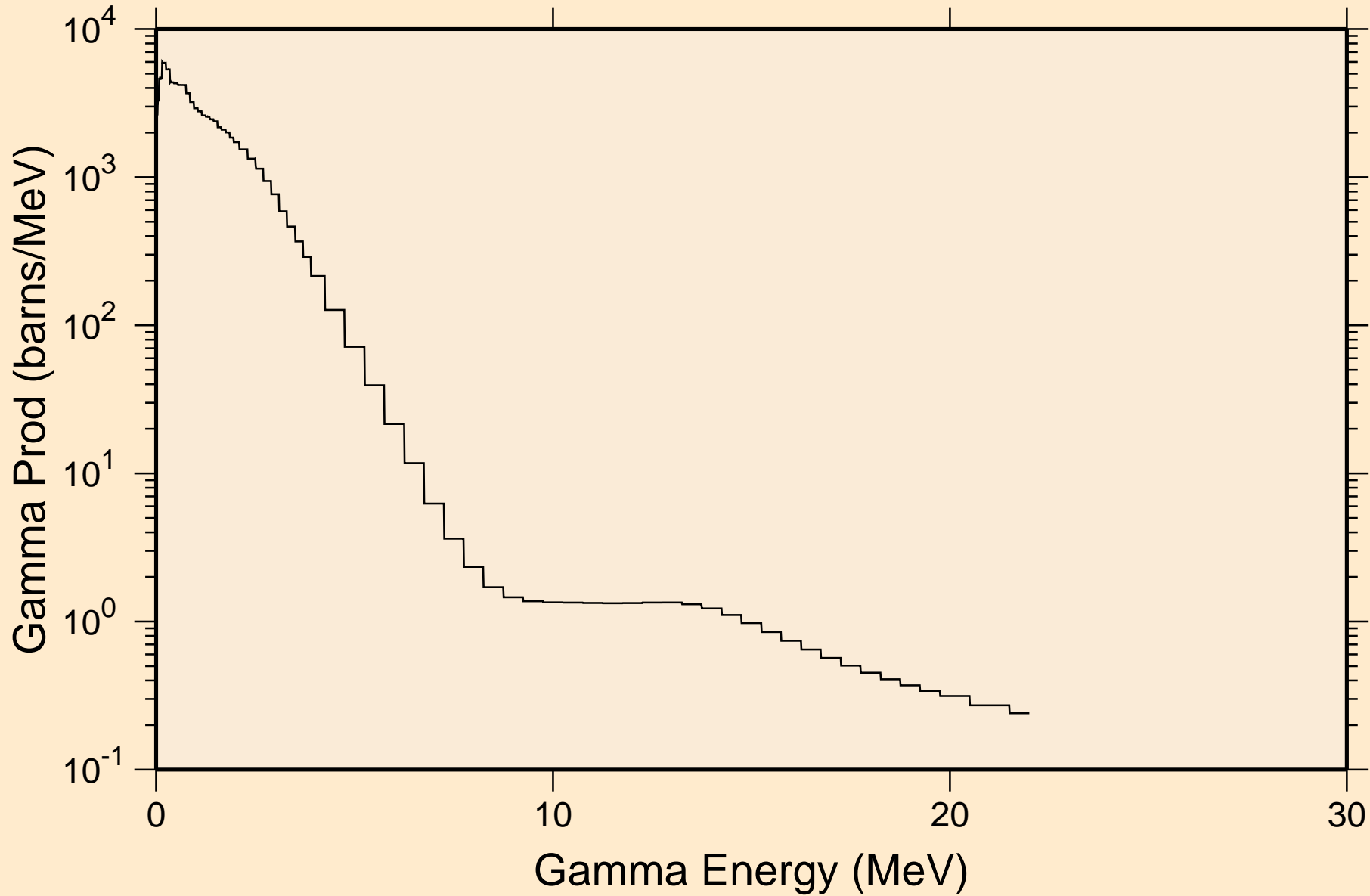


FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum



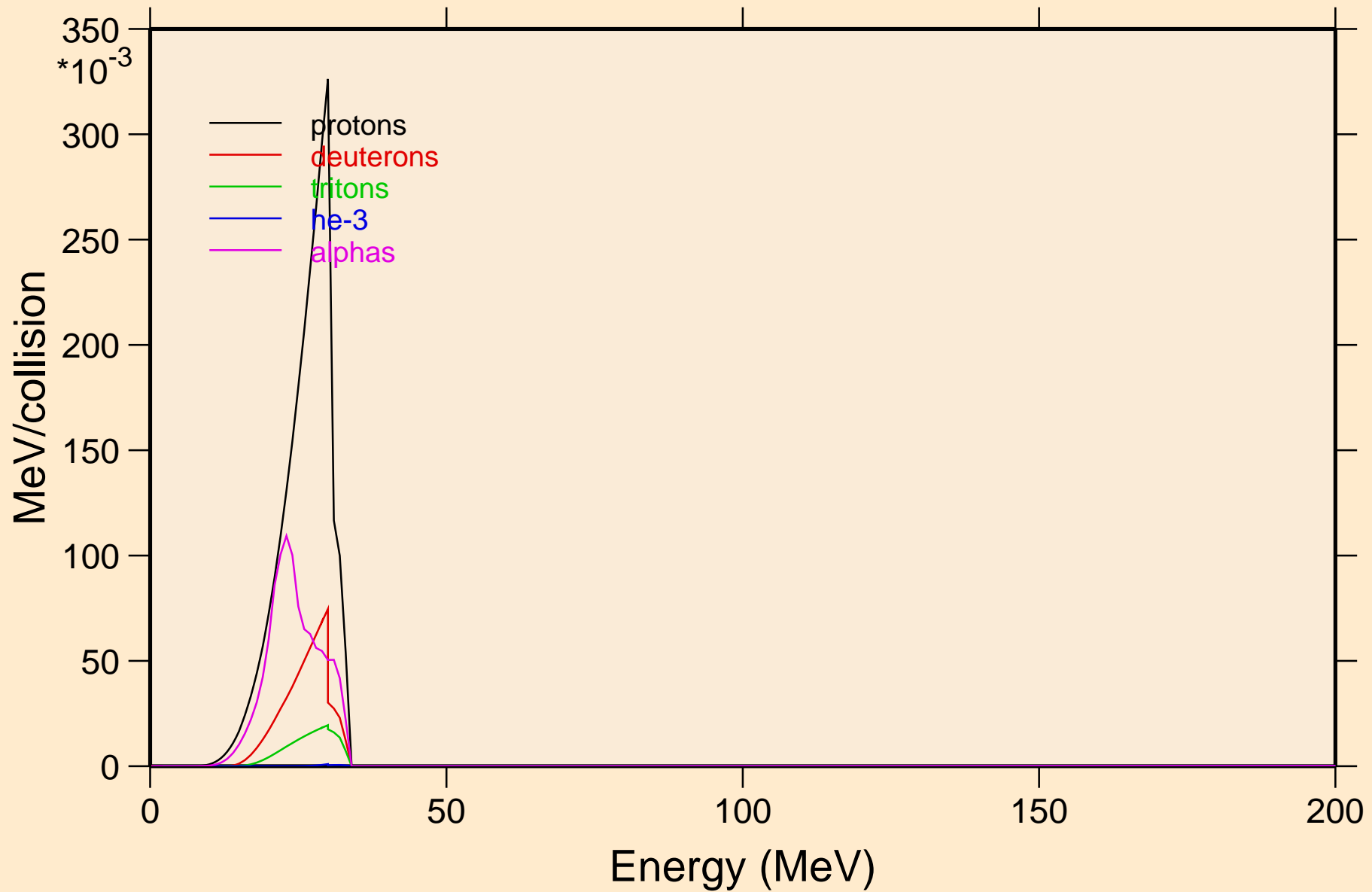


FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
14 MeV photon spectrum

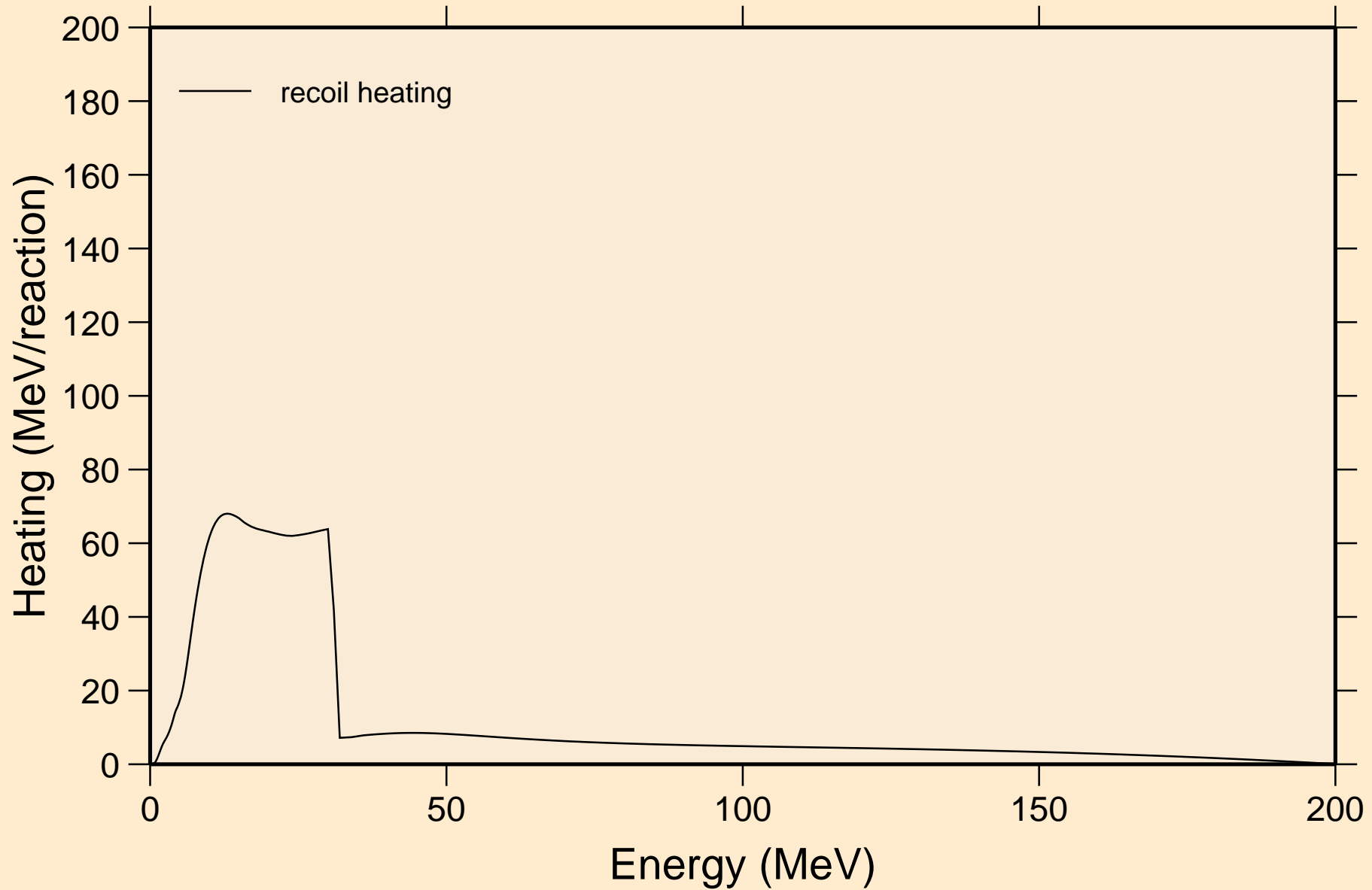


# FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

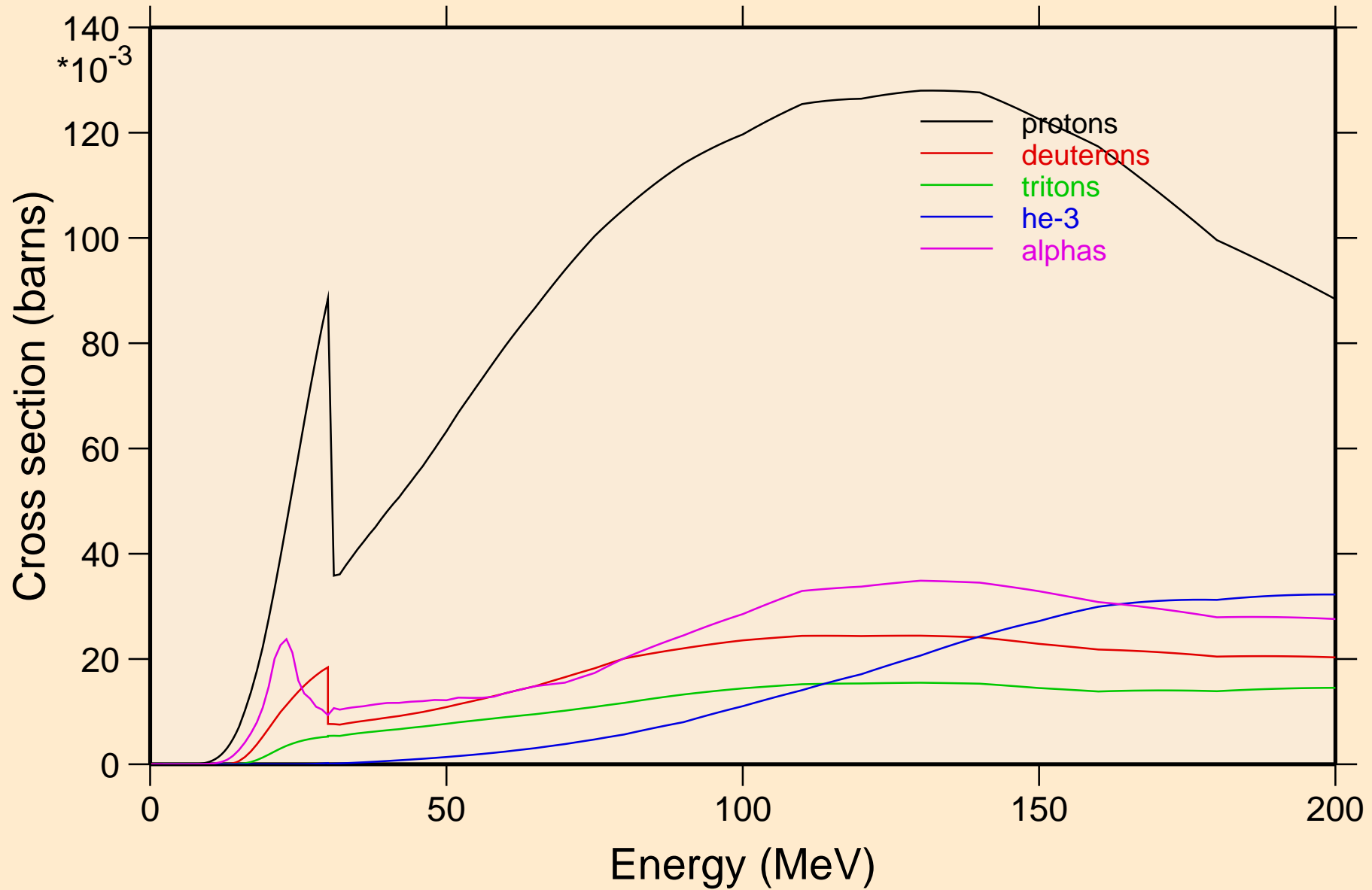
## Particle heating contributions



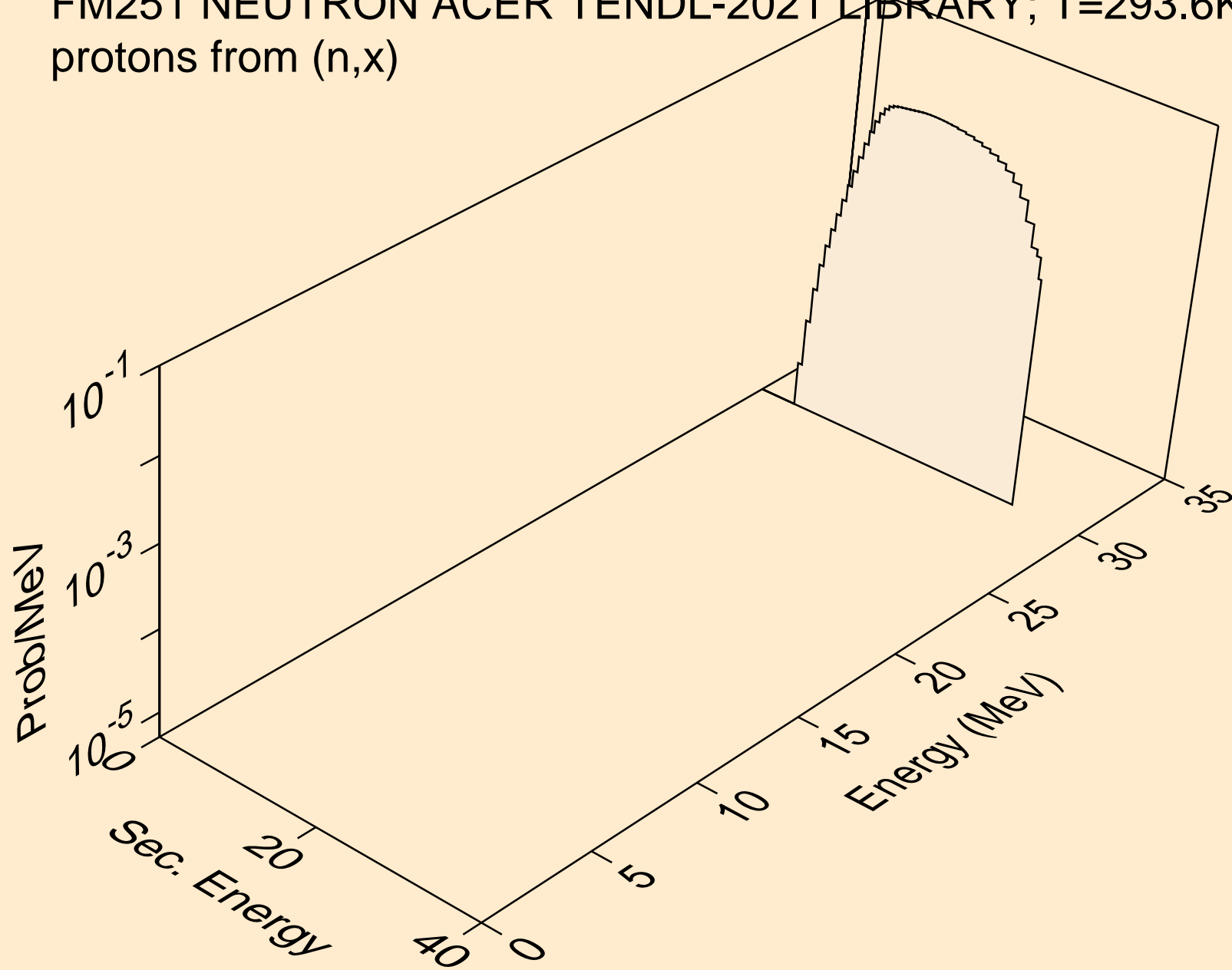
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Recoil Heating



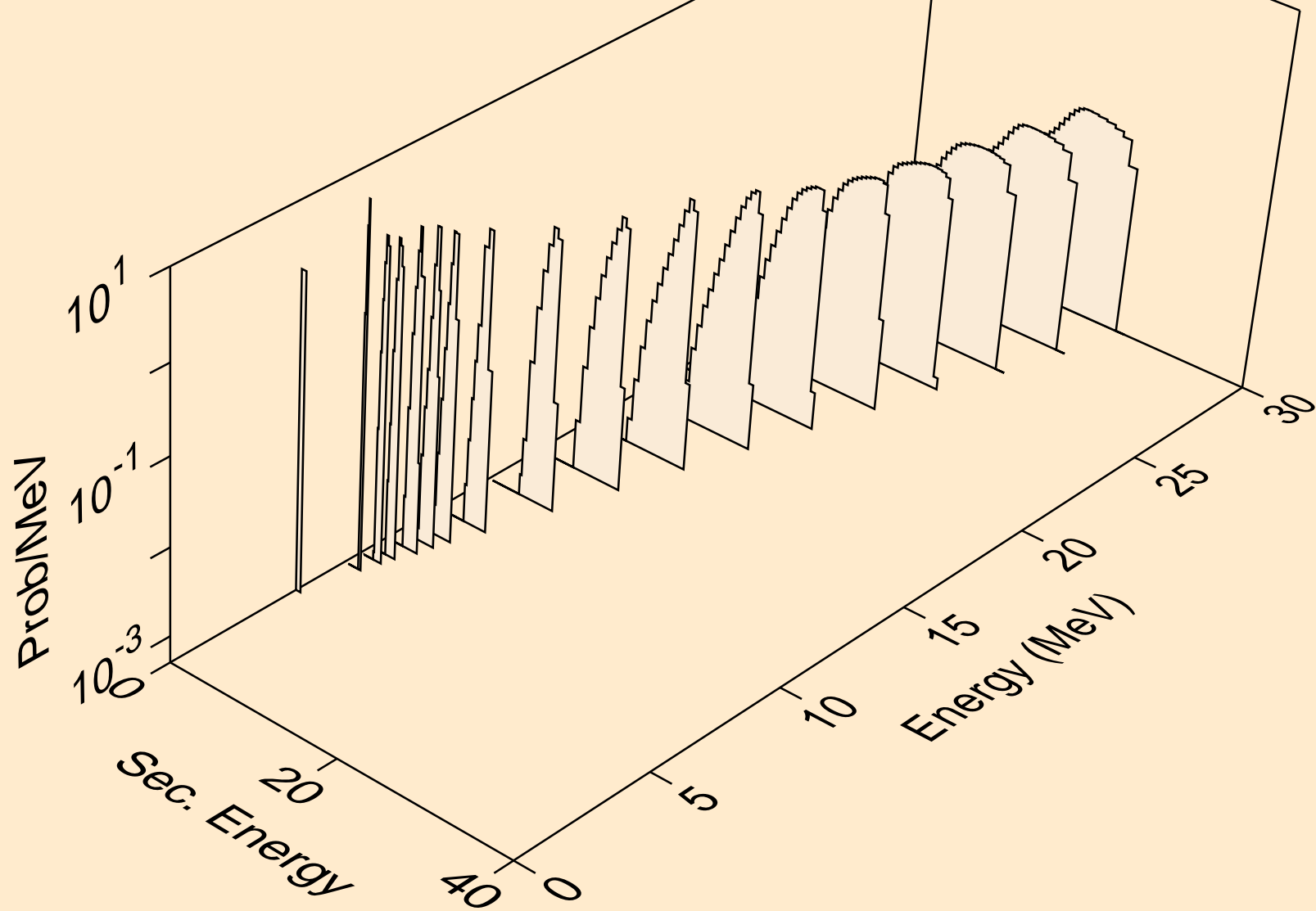
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle production cross sections



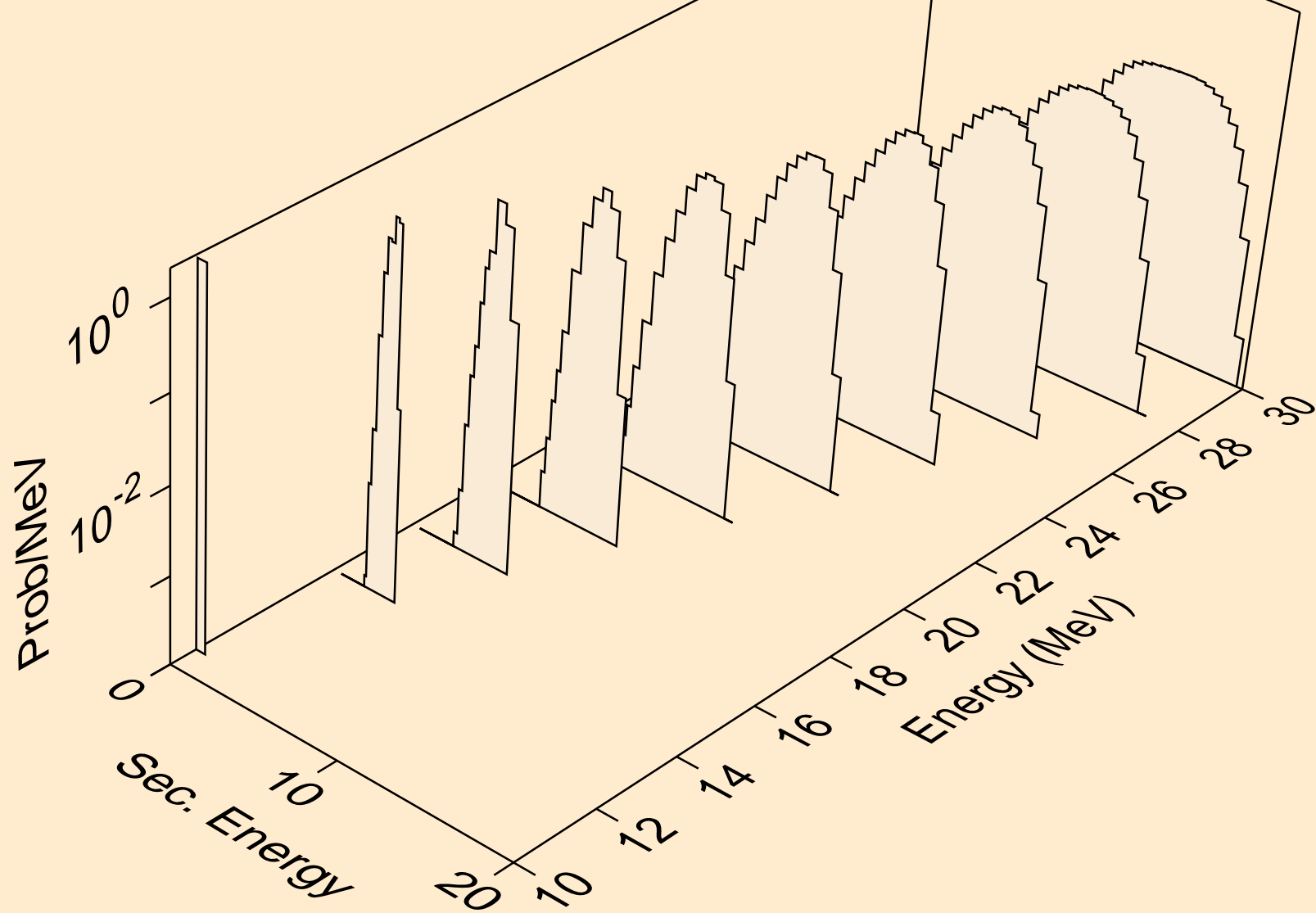
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)



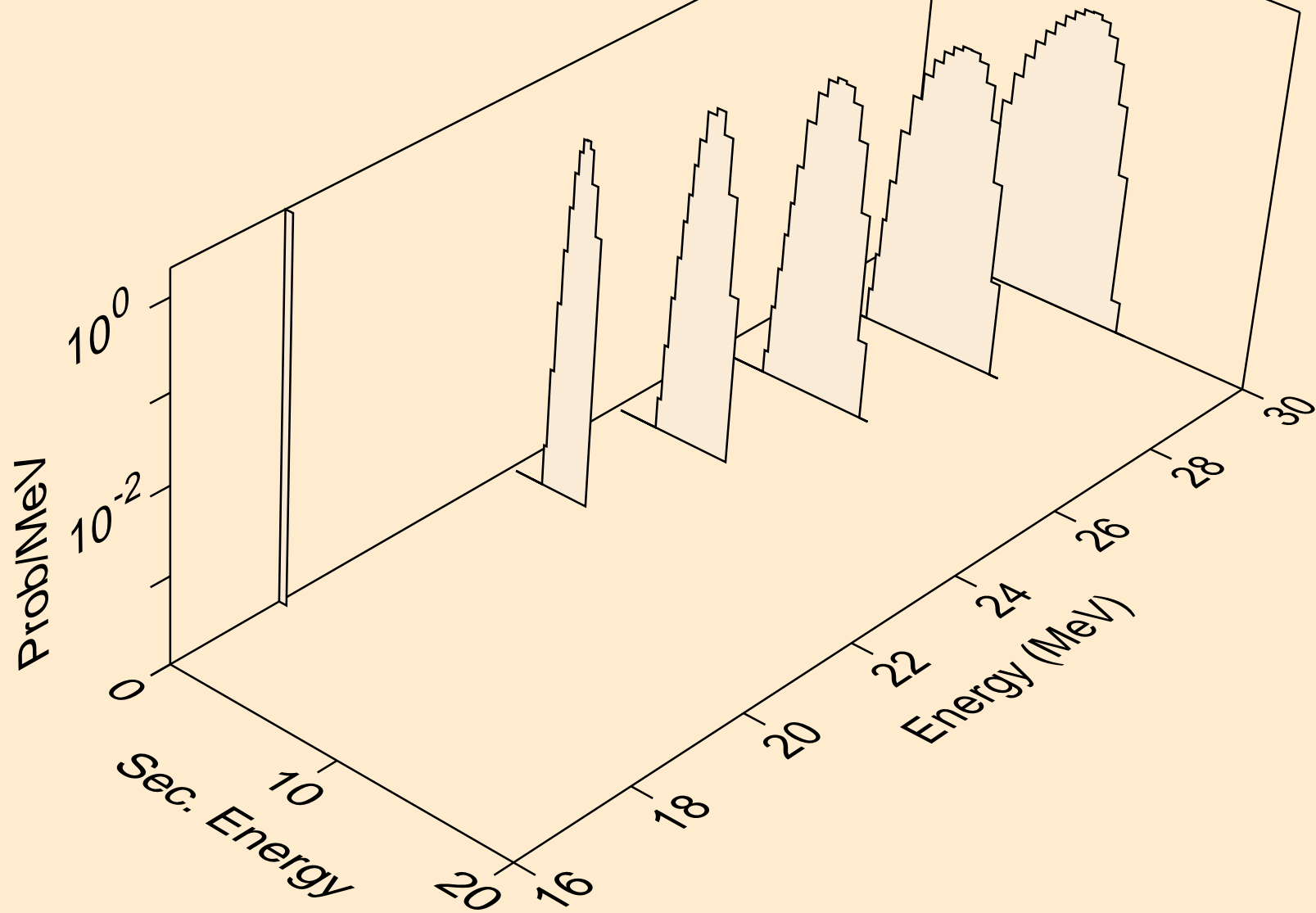
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,n\*)p



FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)

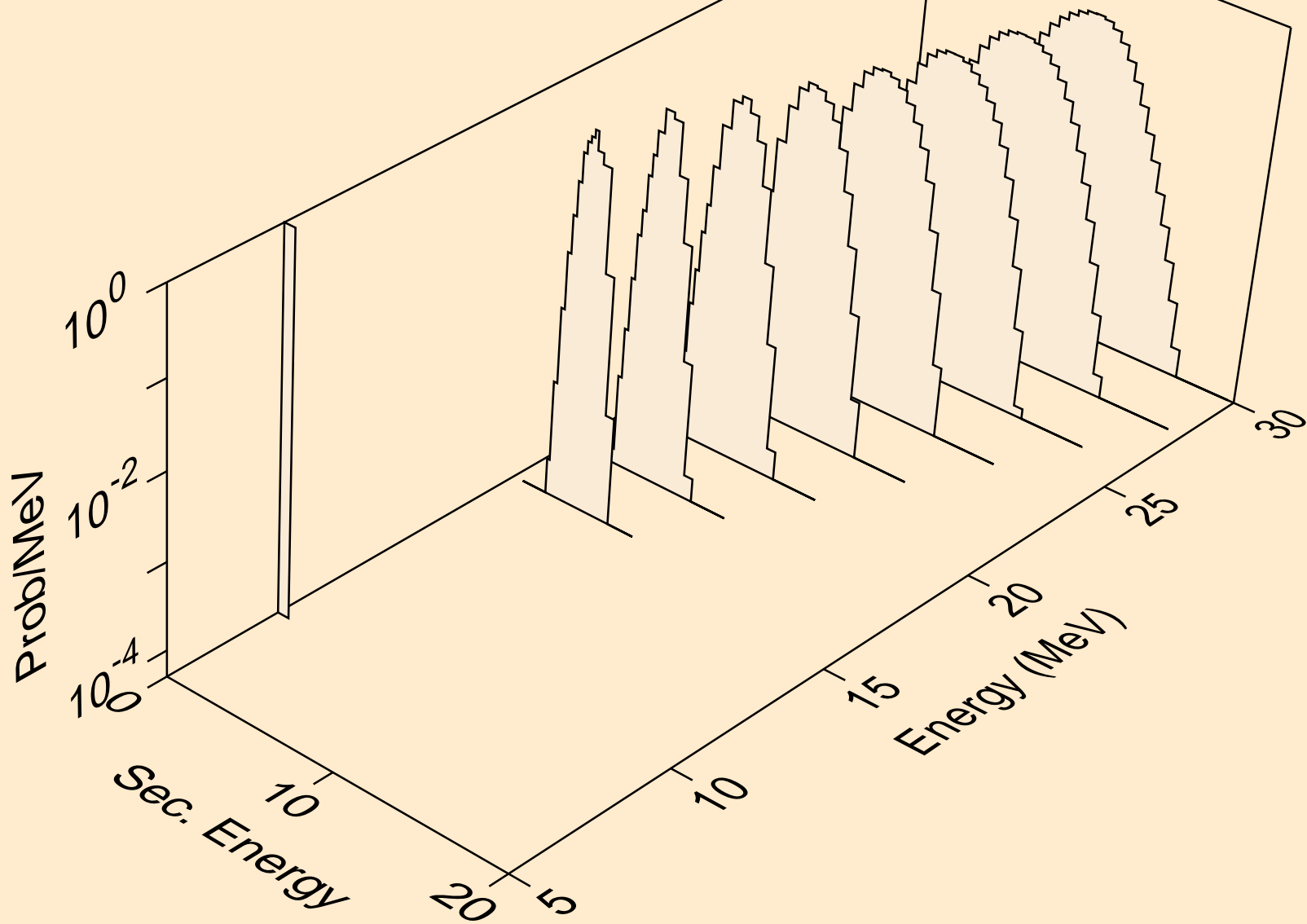


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protons from (n,3np)

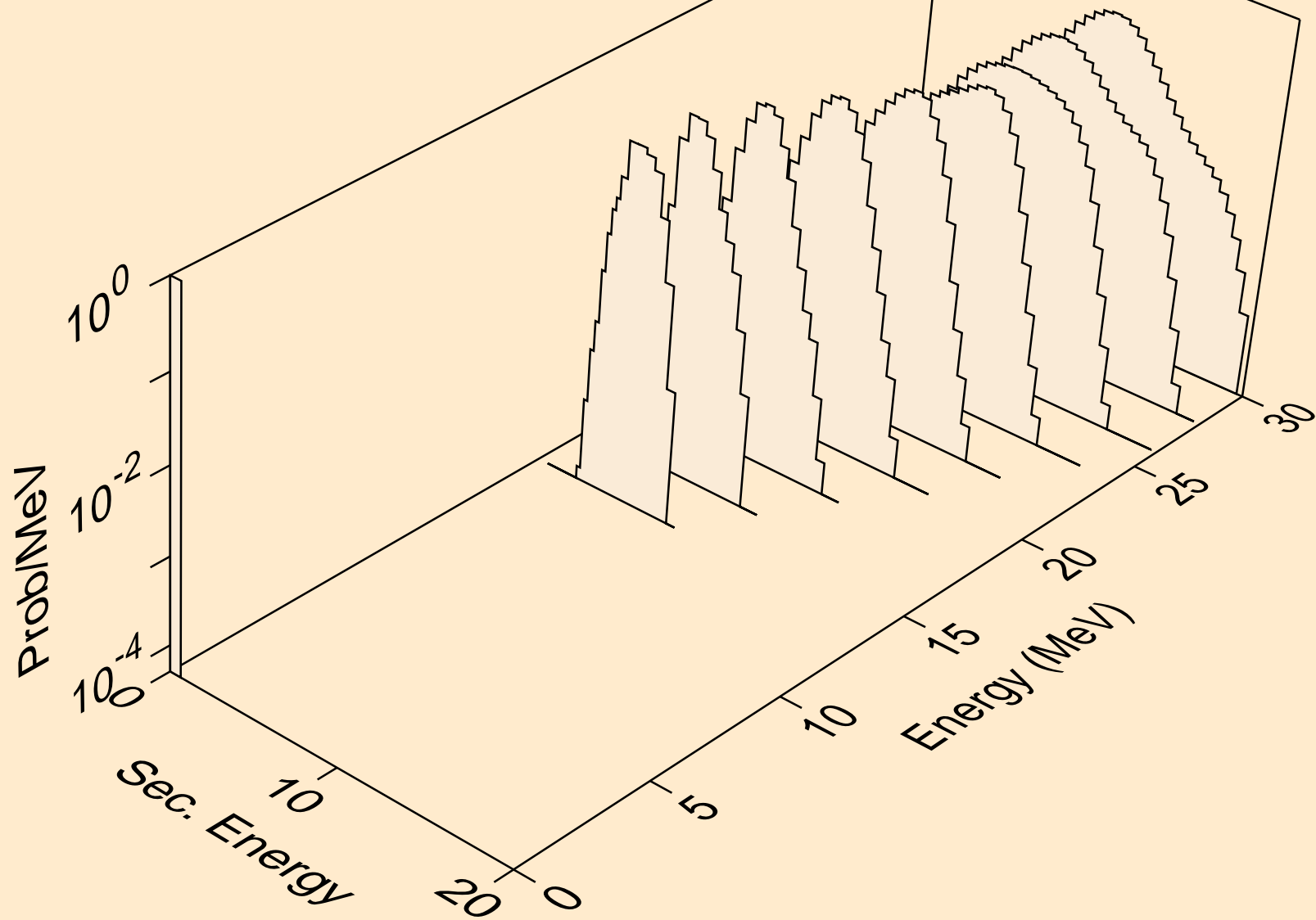




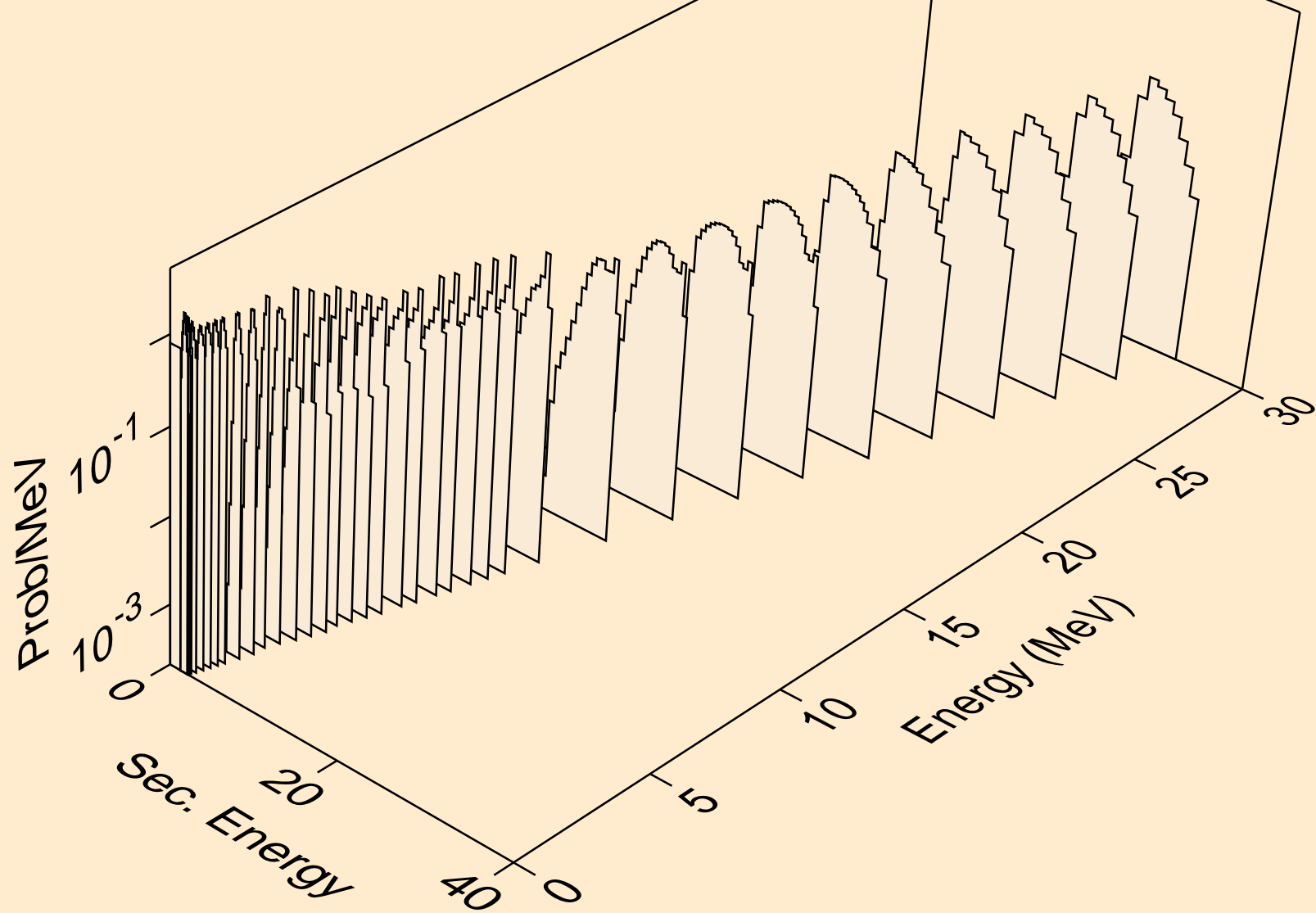
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protons from (n,2np)



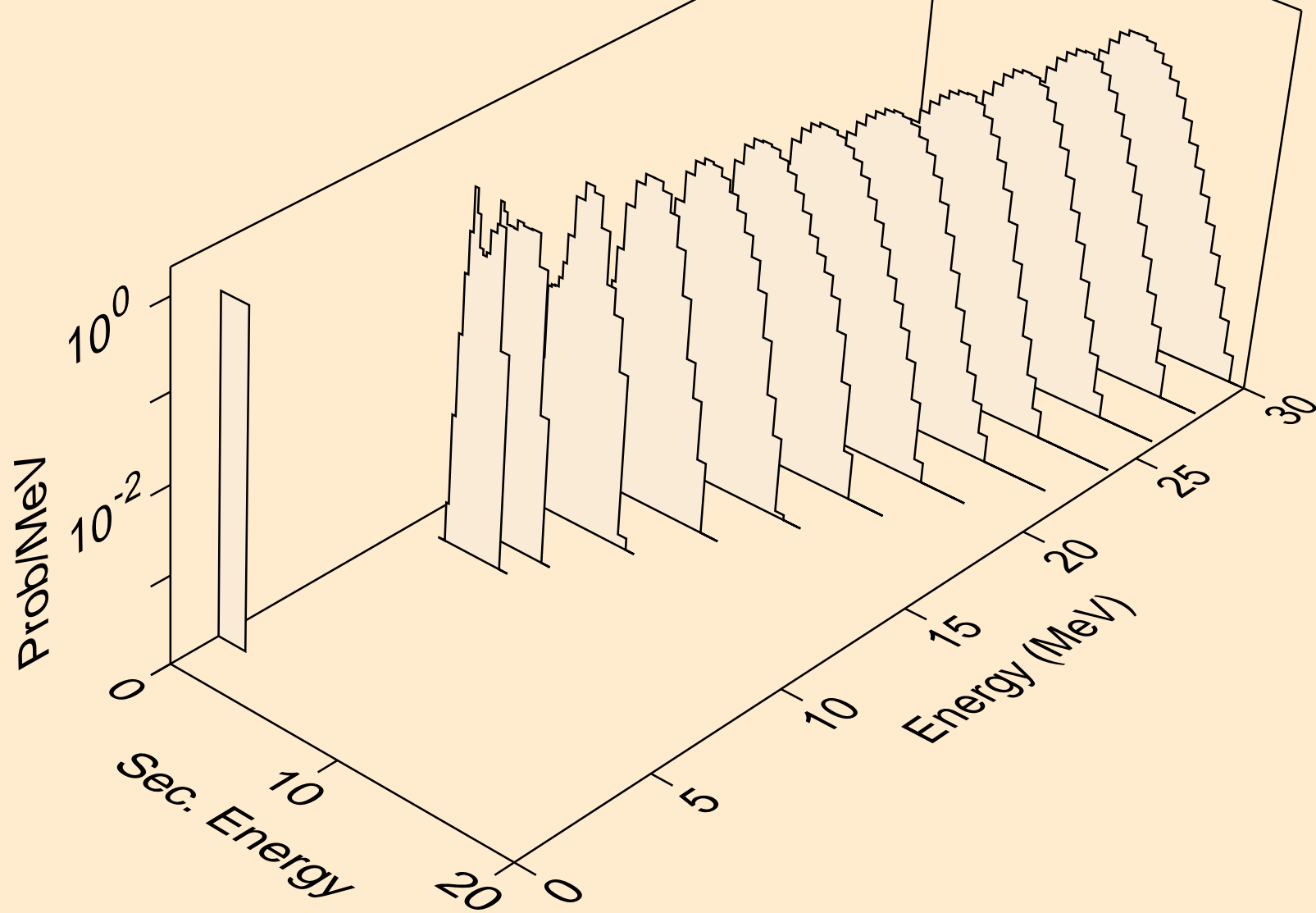
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protons from (n,npa)



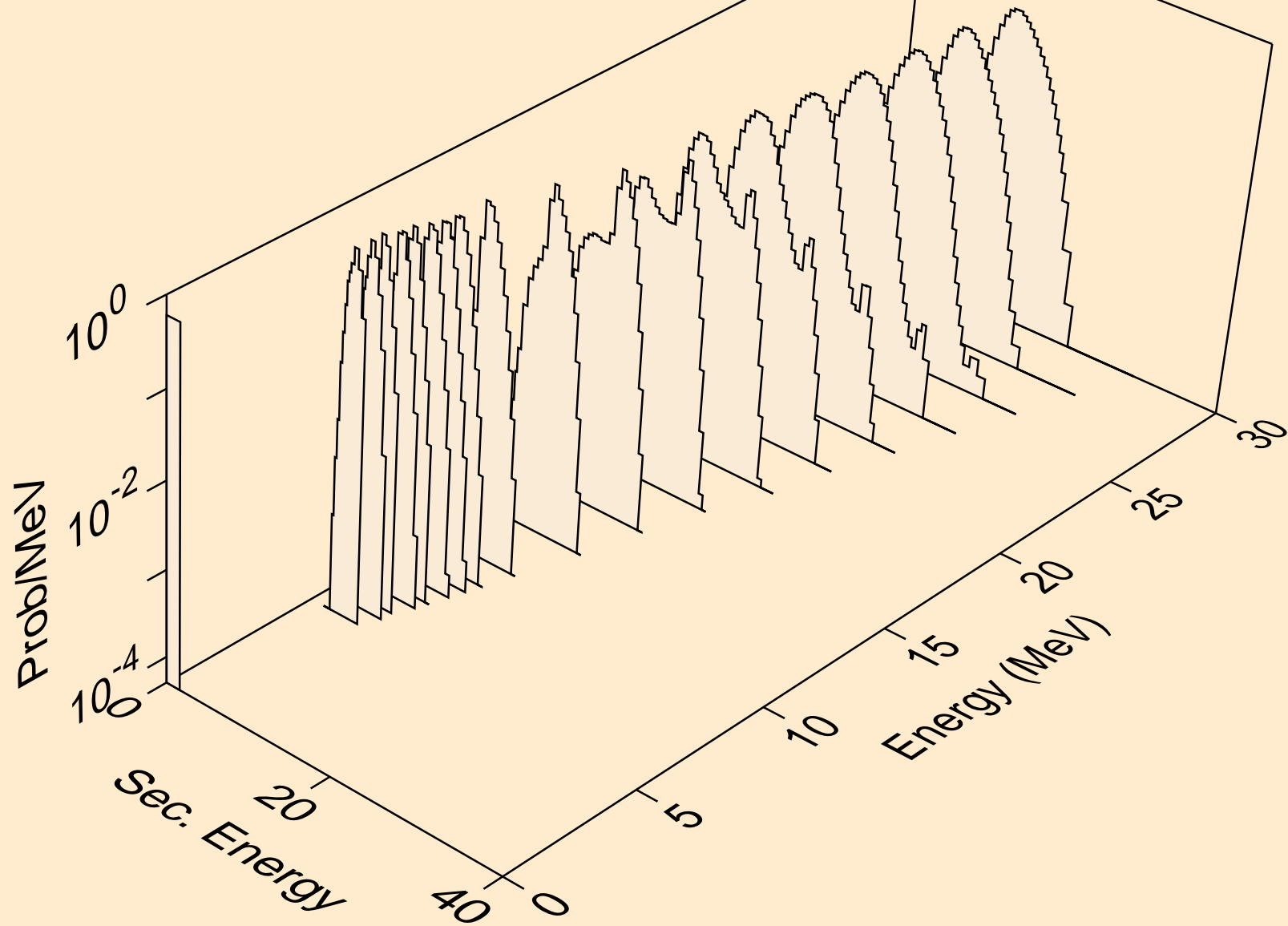
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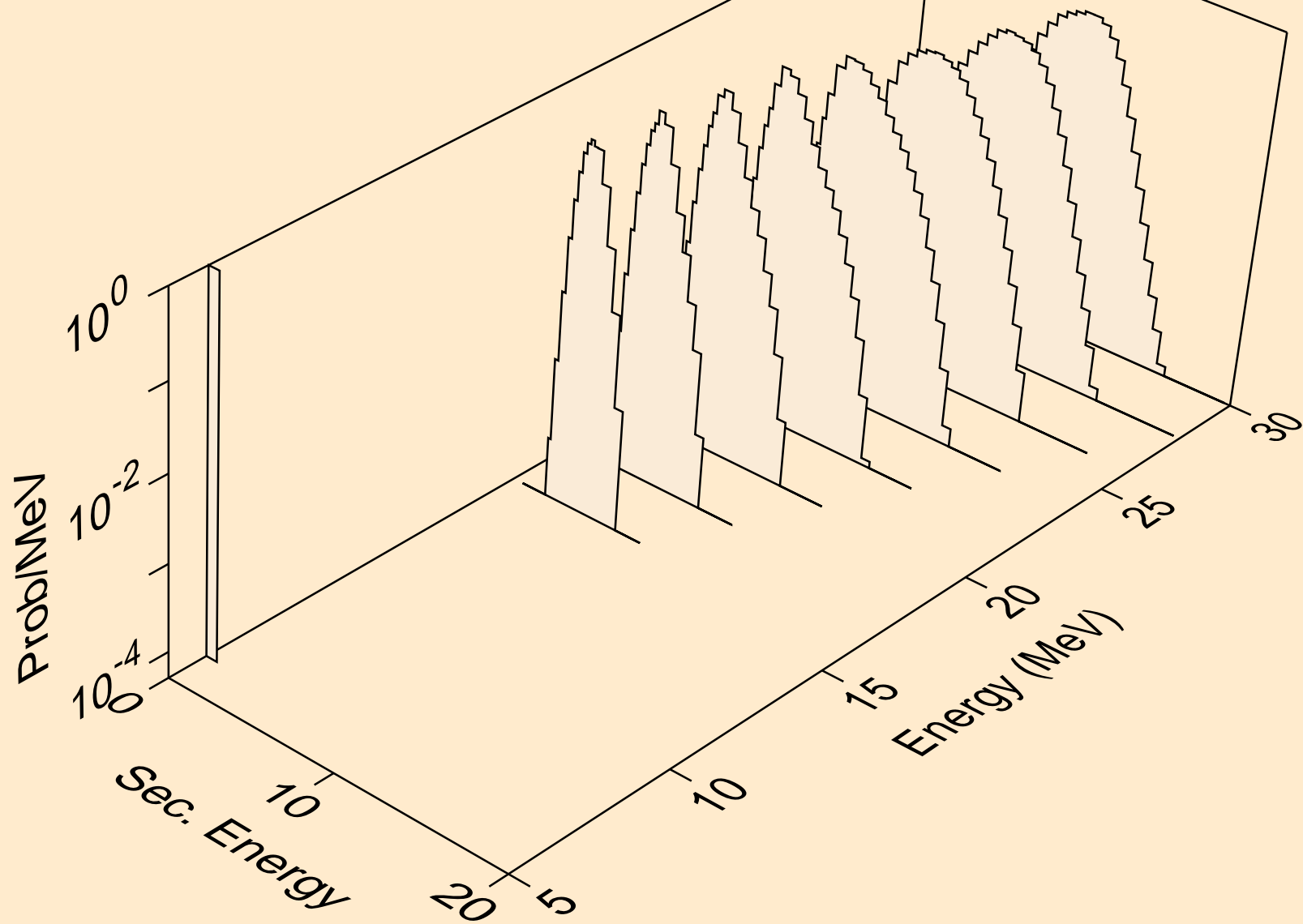
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protons from (n,2p)



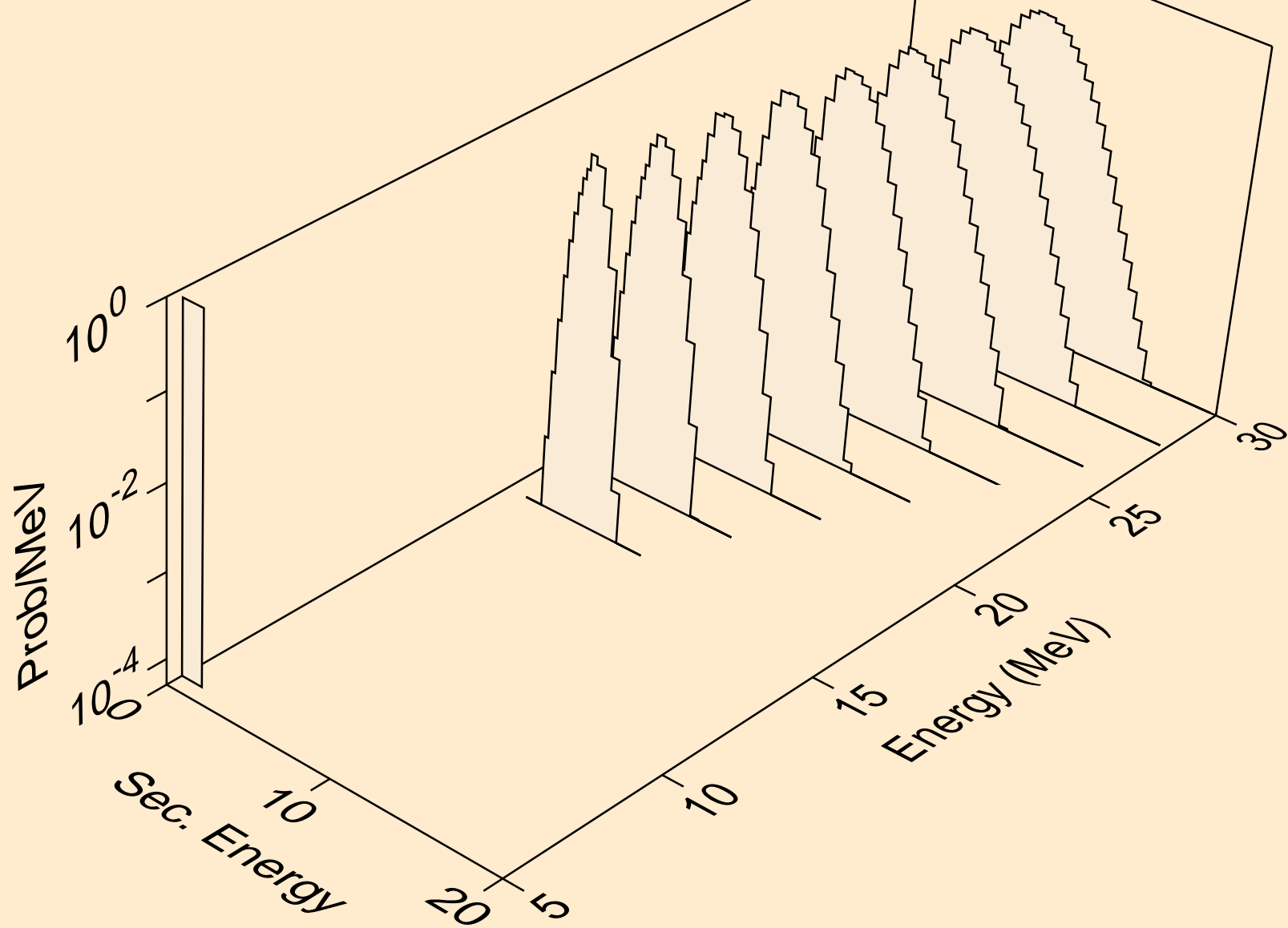
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protons from (n,p)



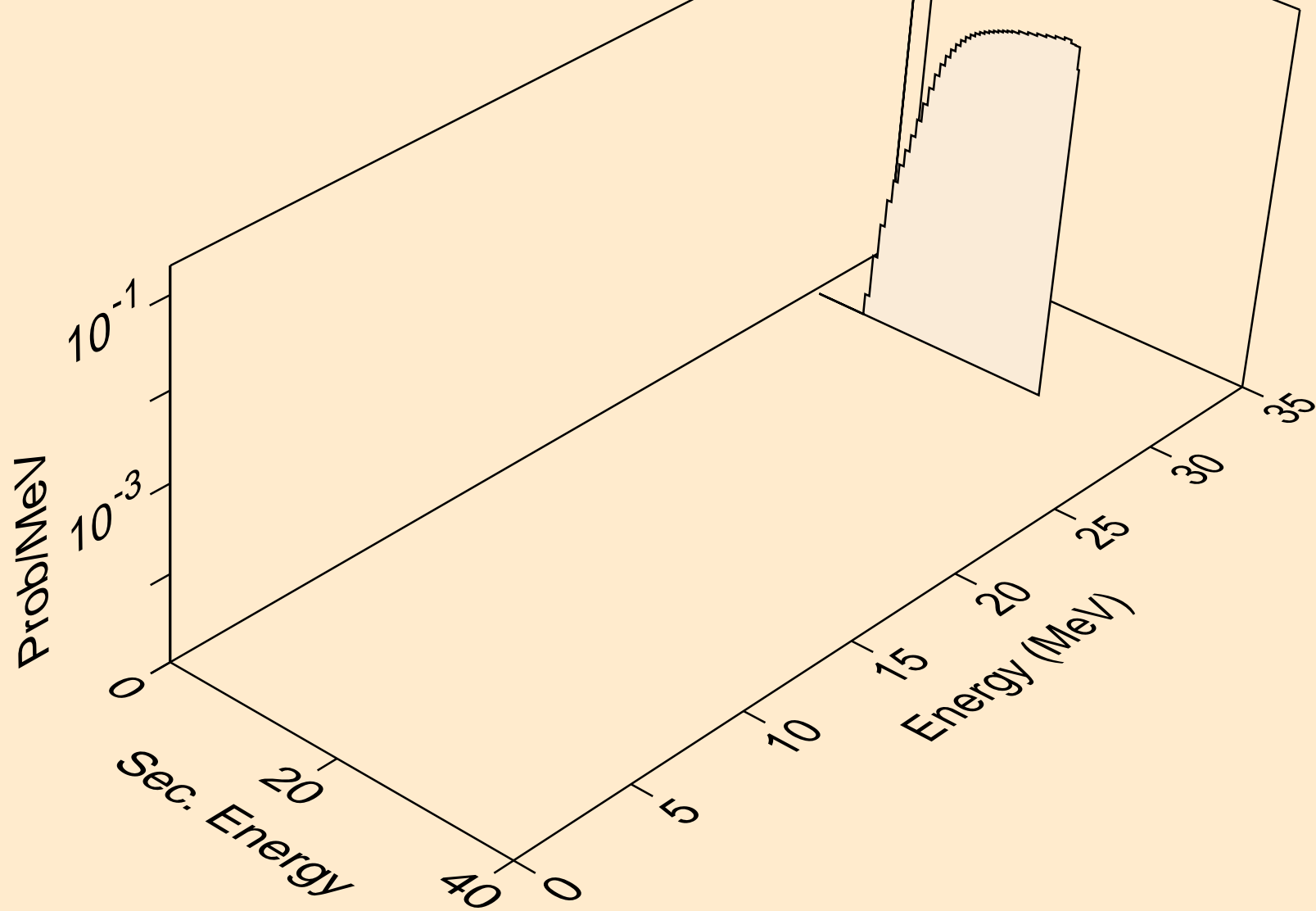
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protons from (n,pd)



FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pt)

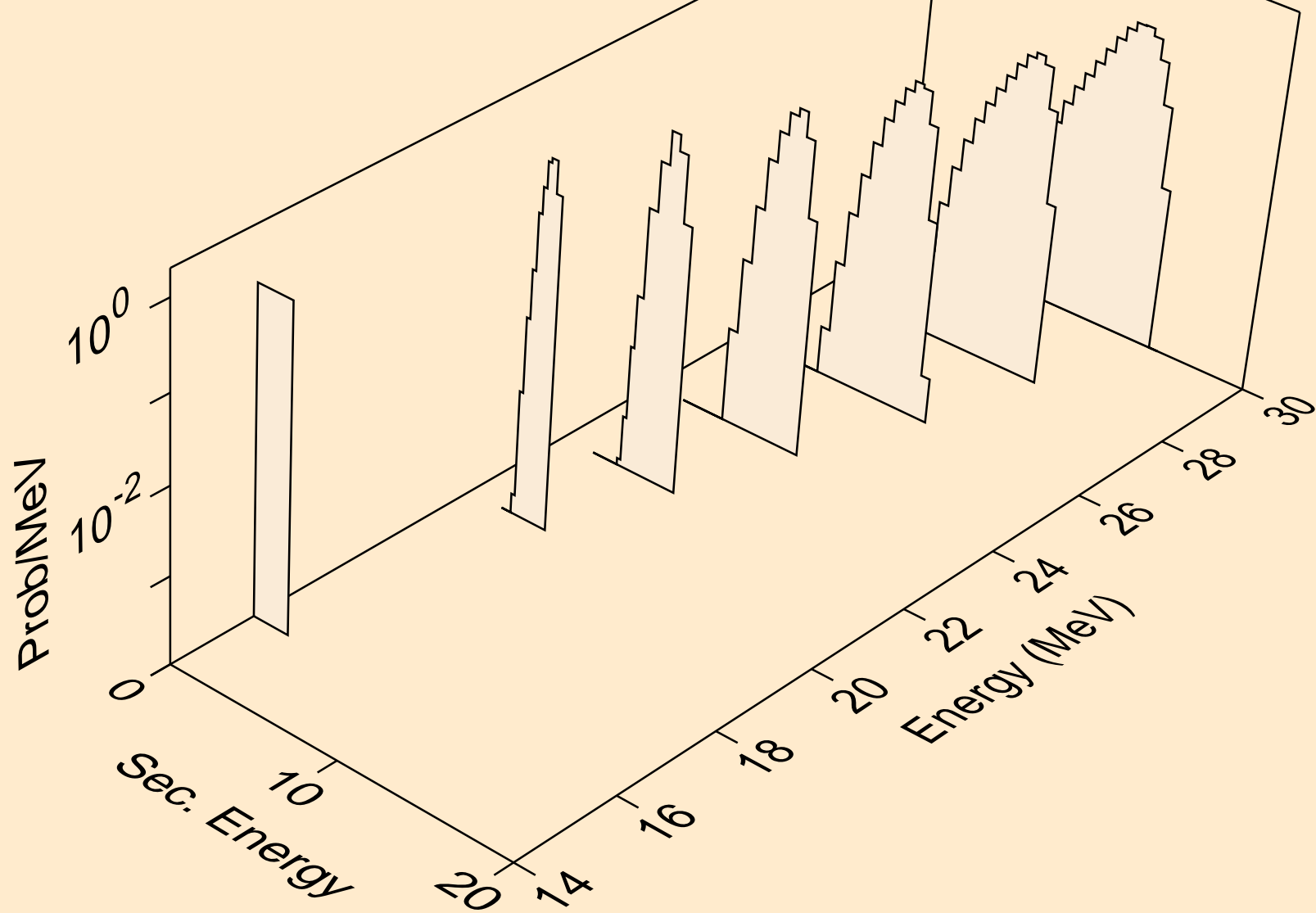


FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,x)

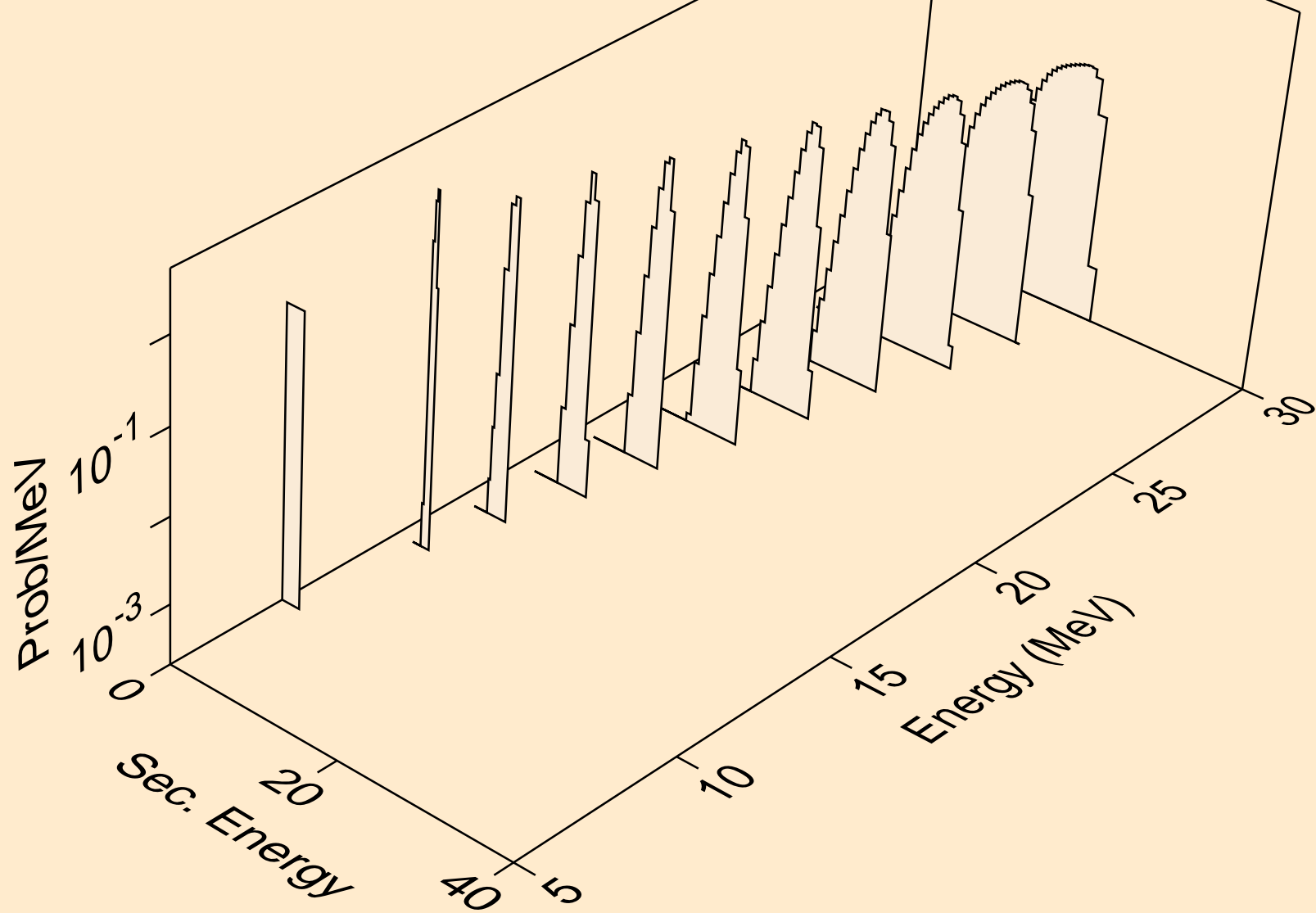




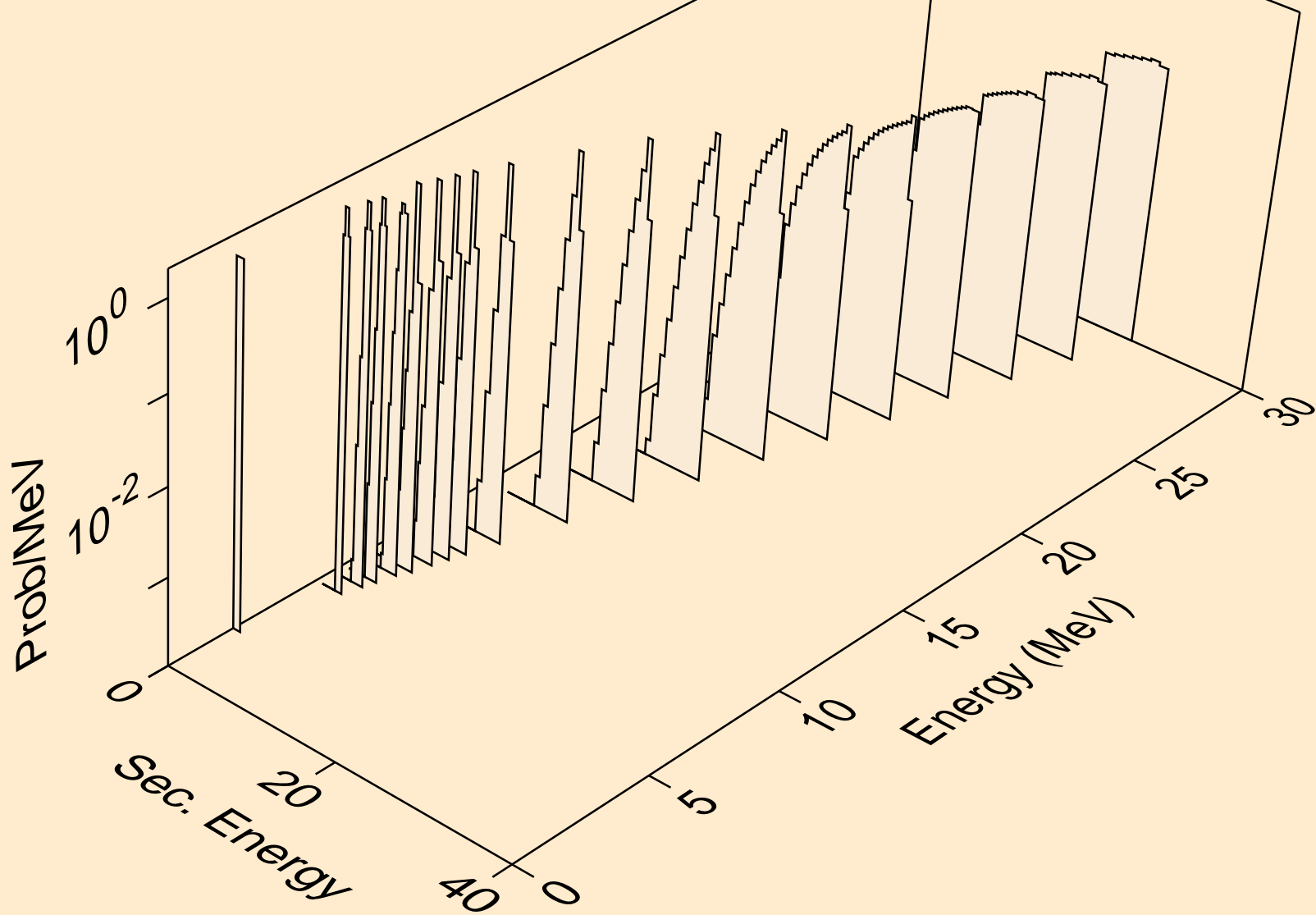
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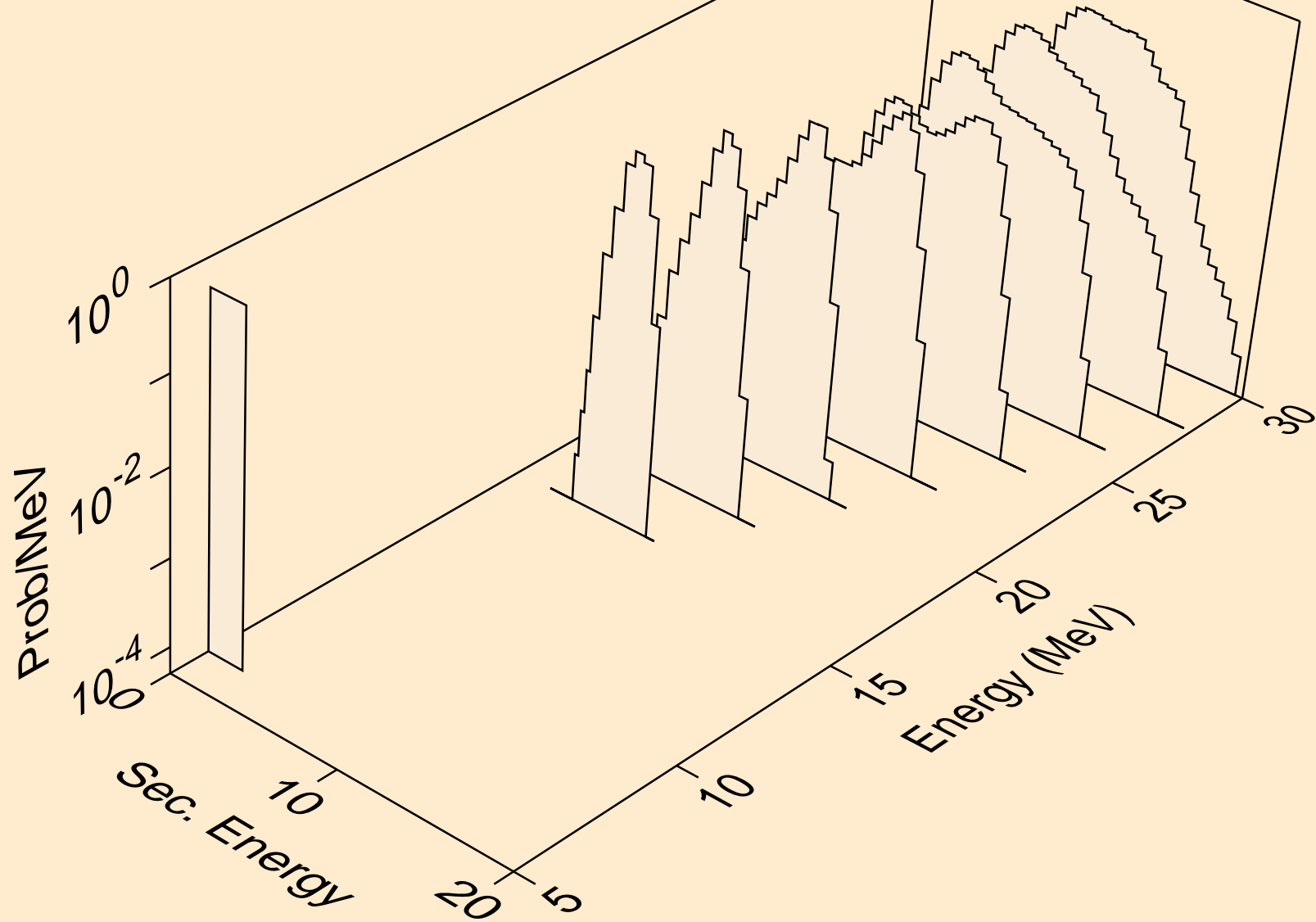
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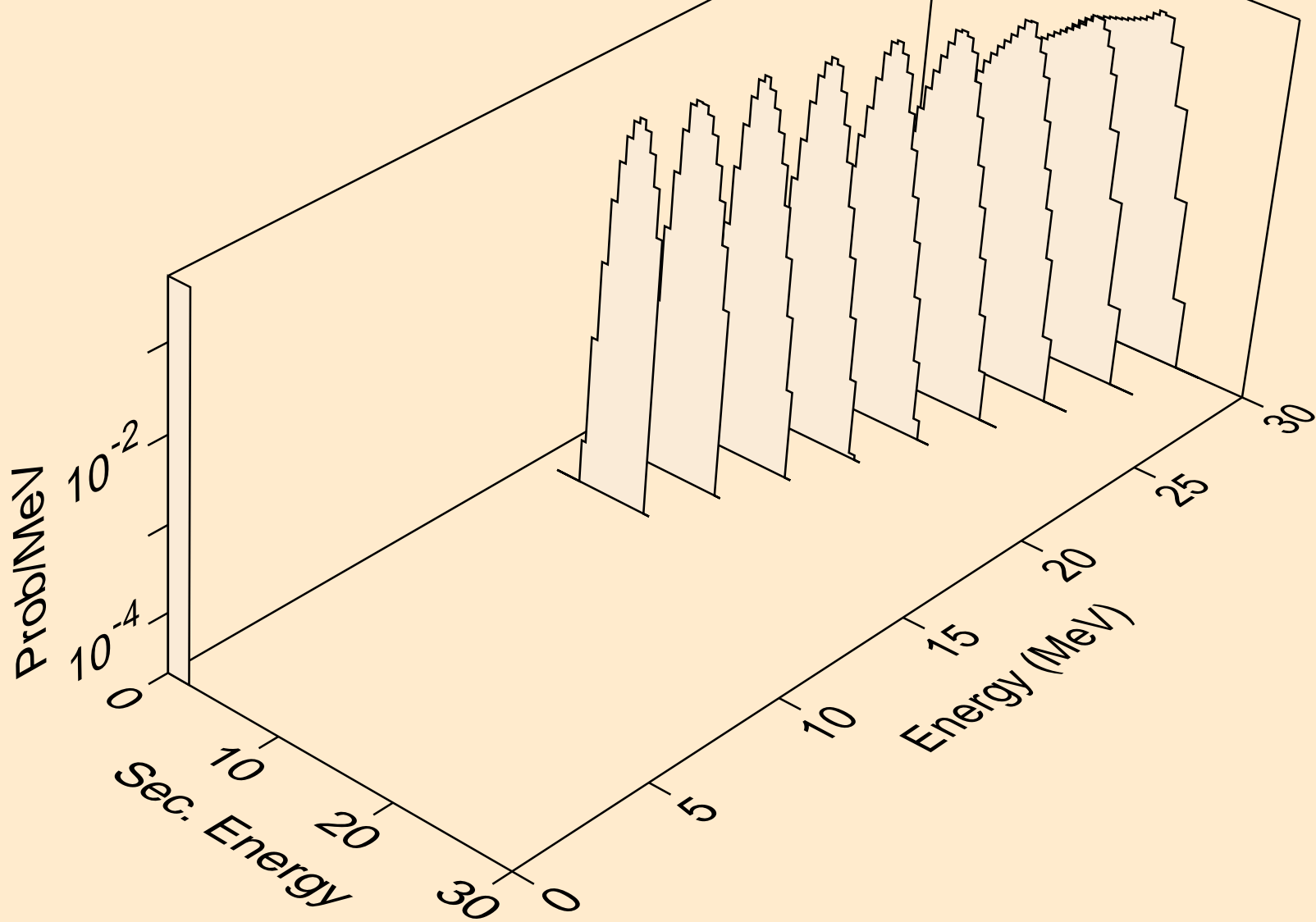
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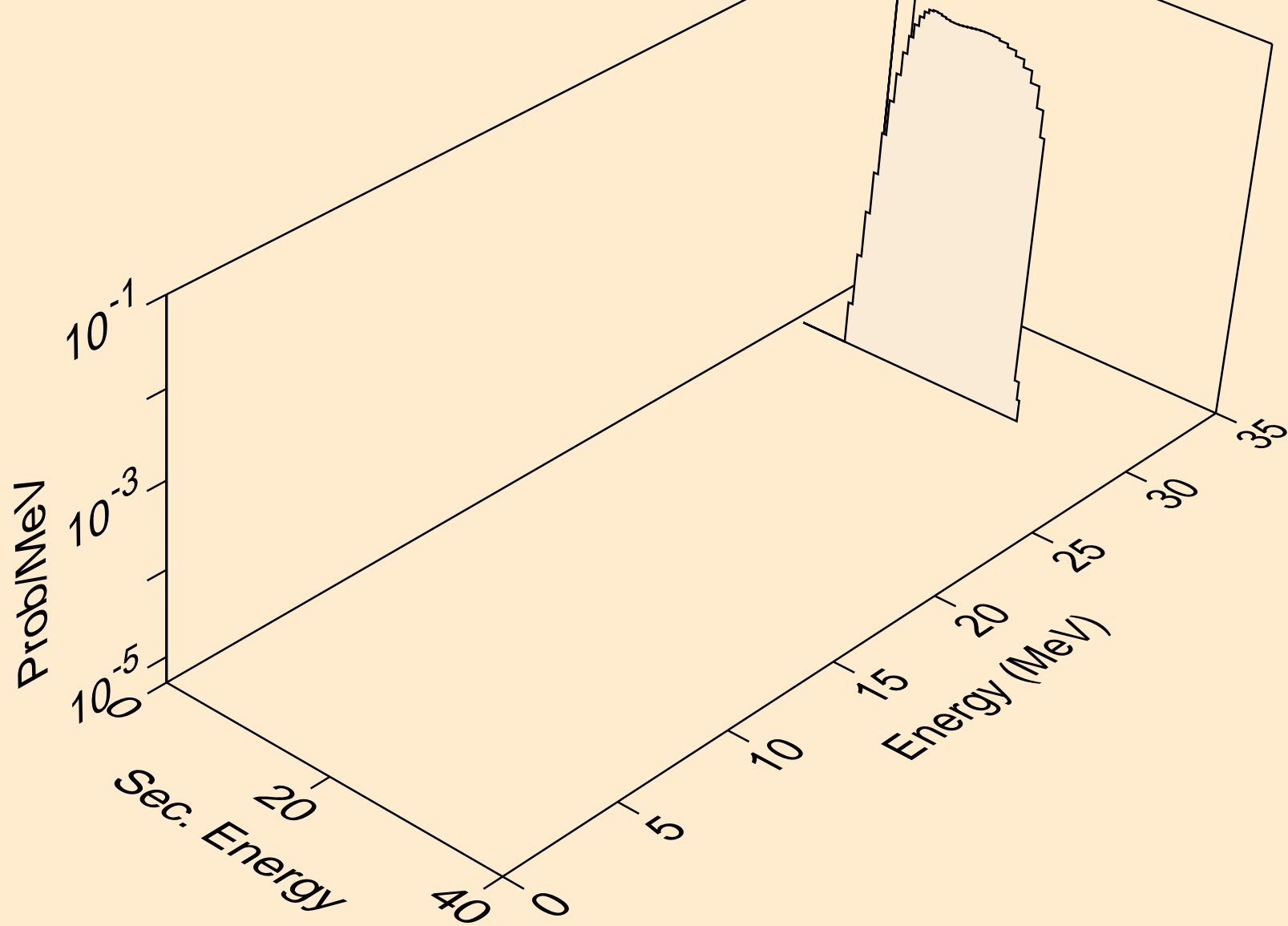
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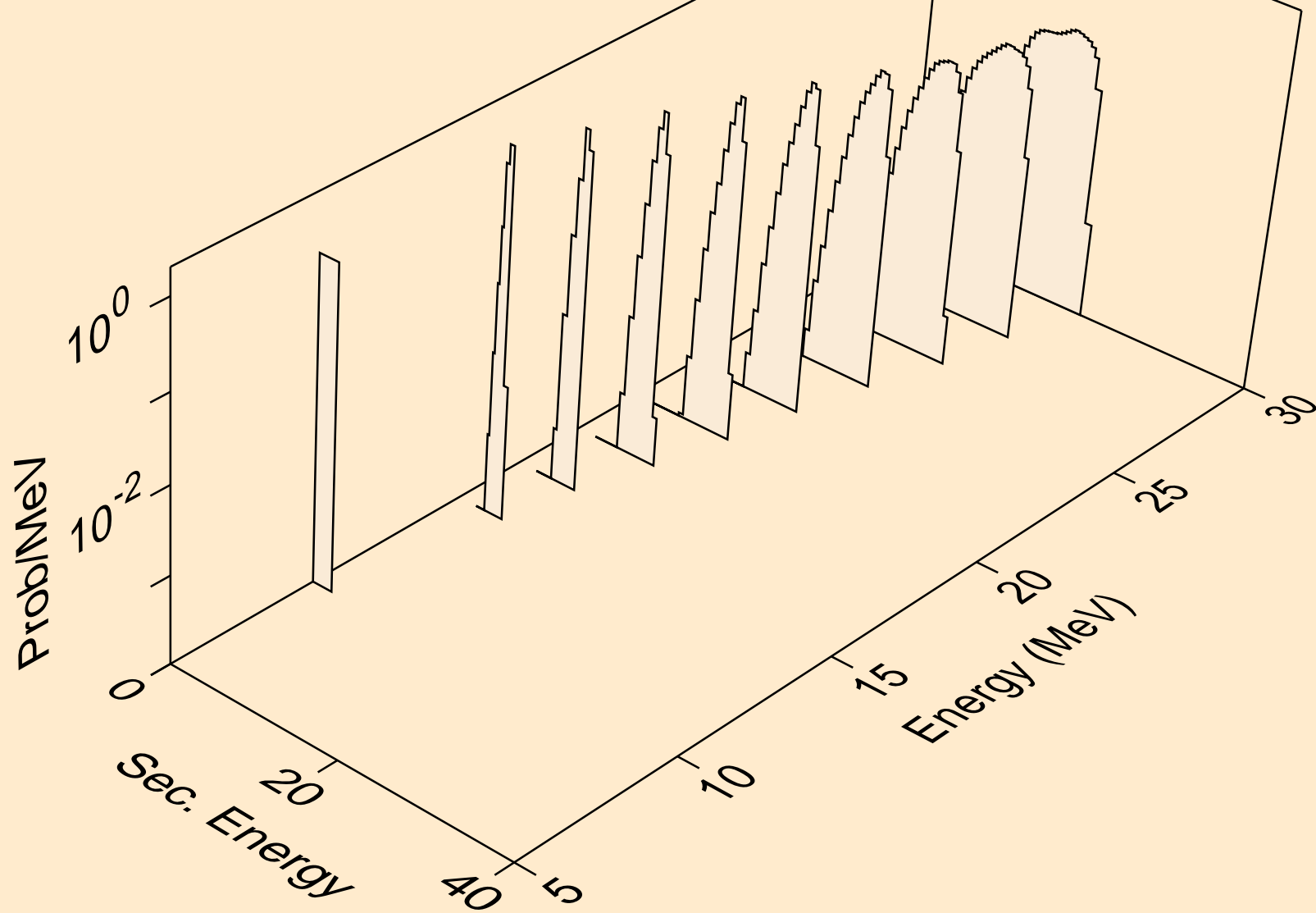
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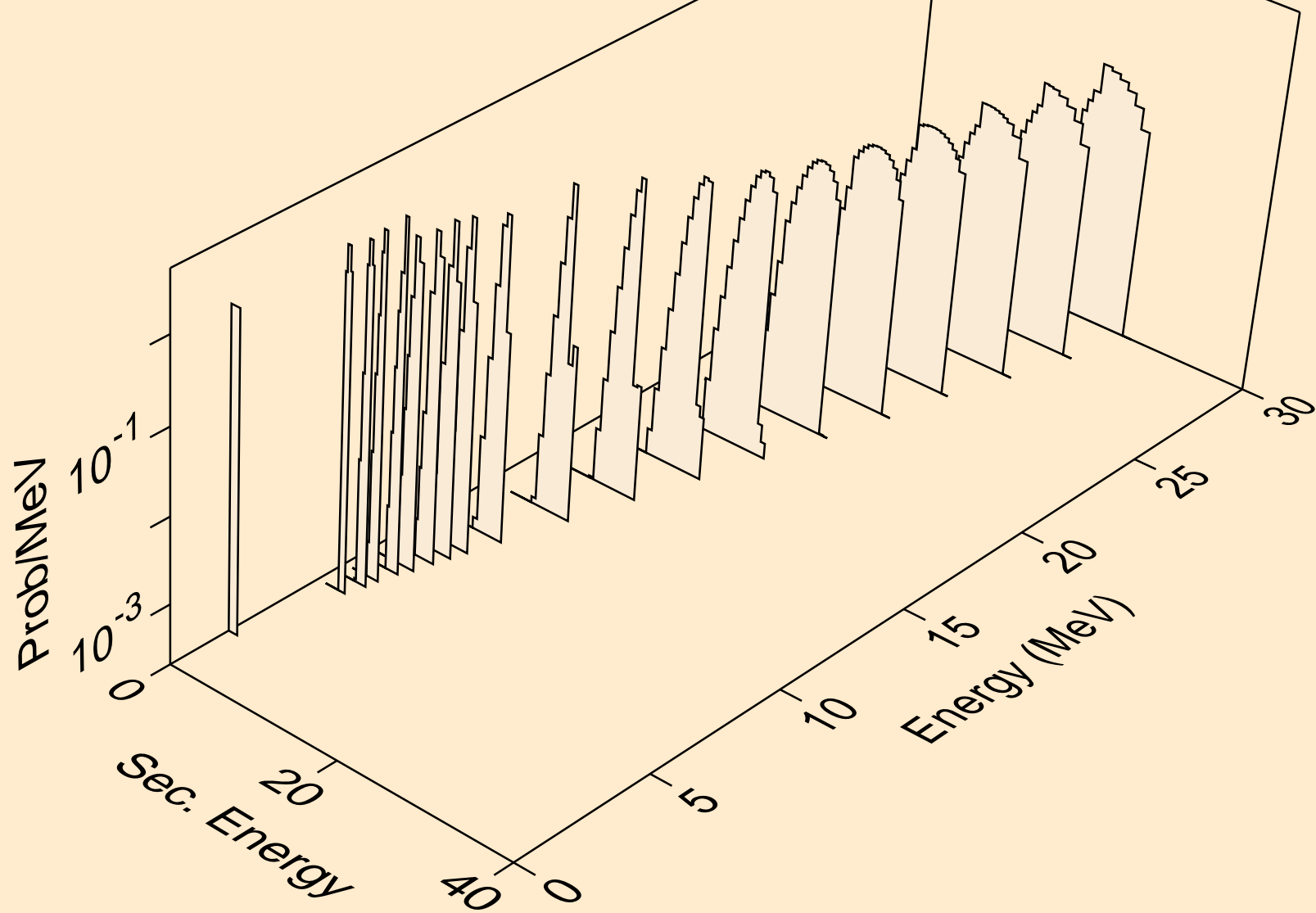
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,x)



FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
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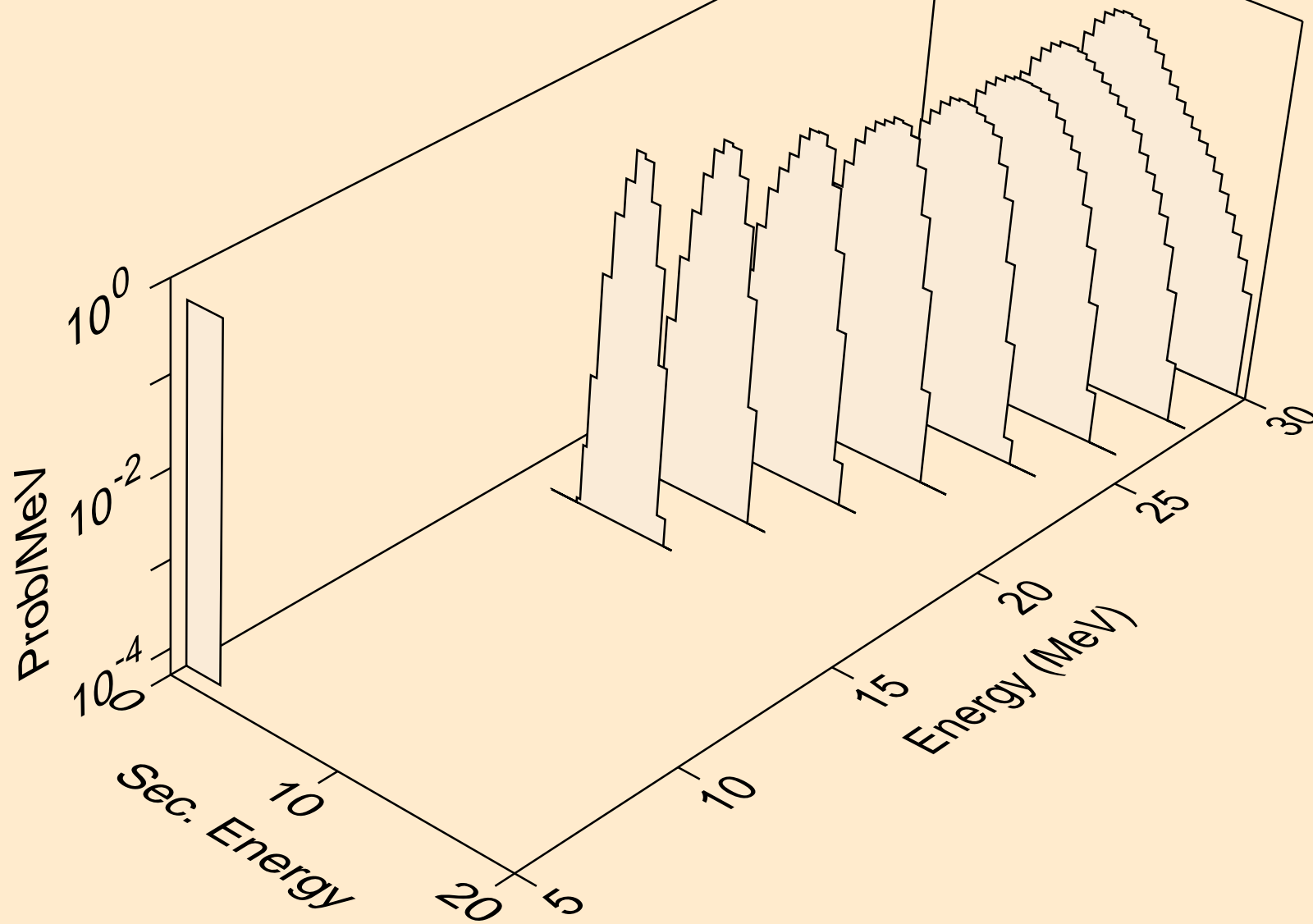


FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,t)

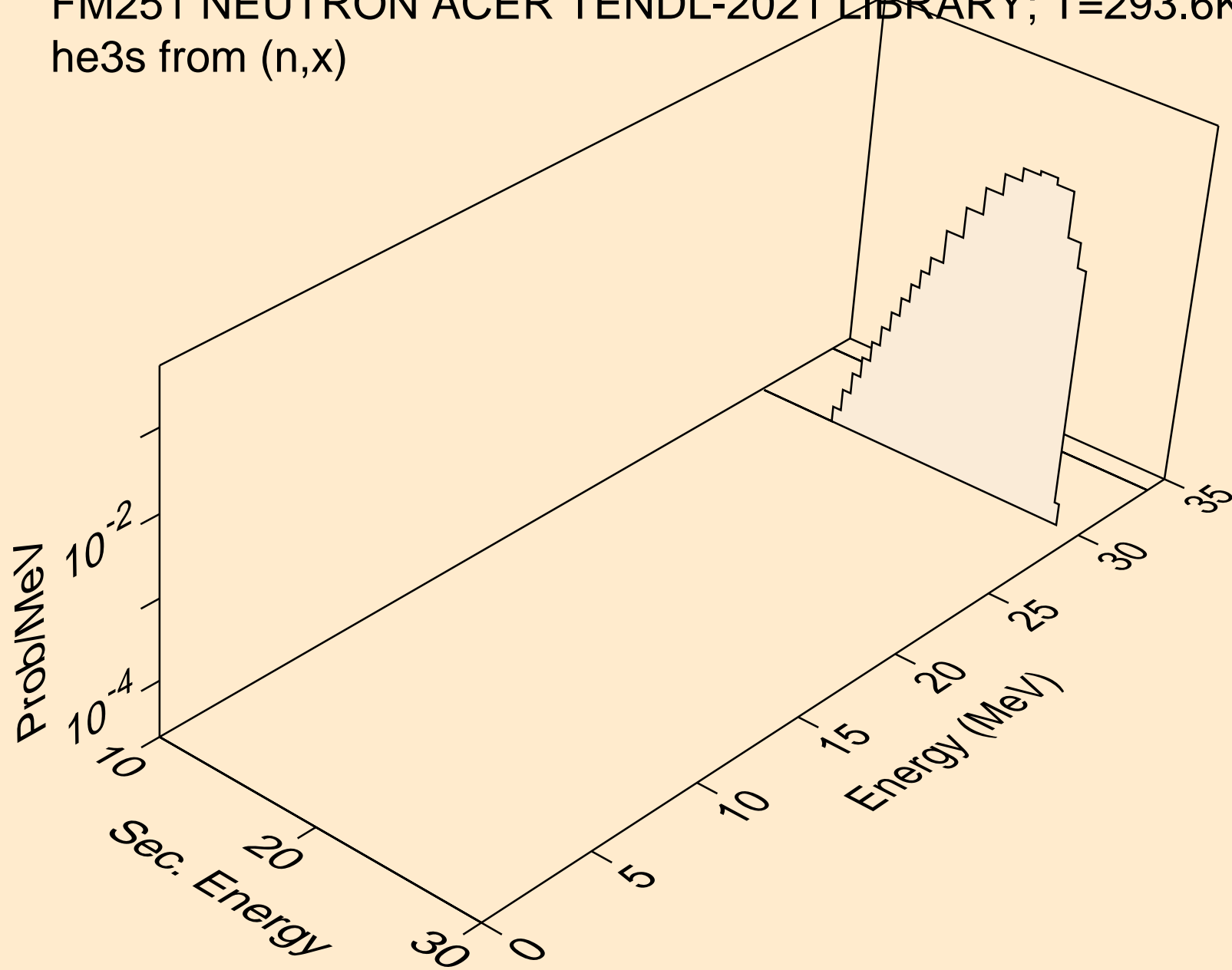




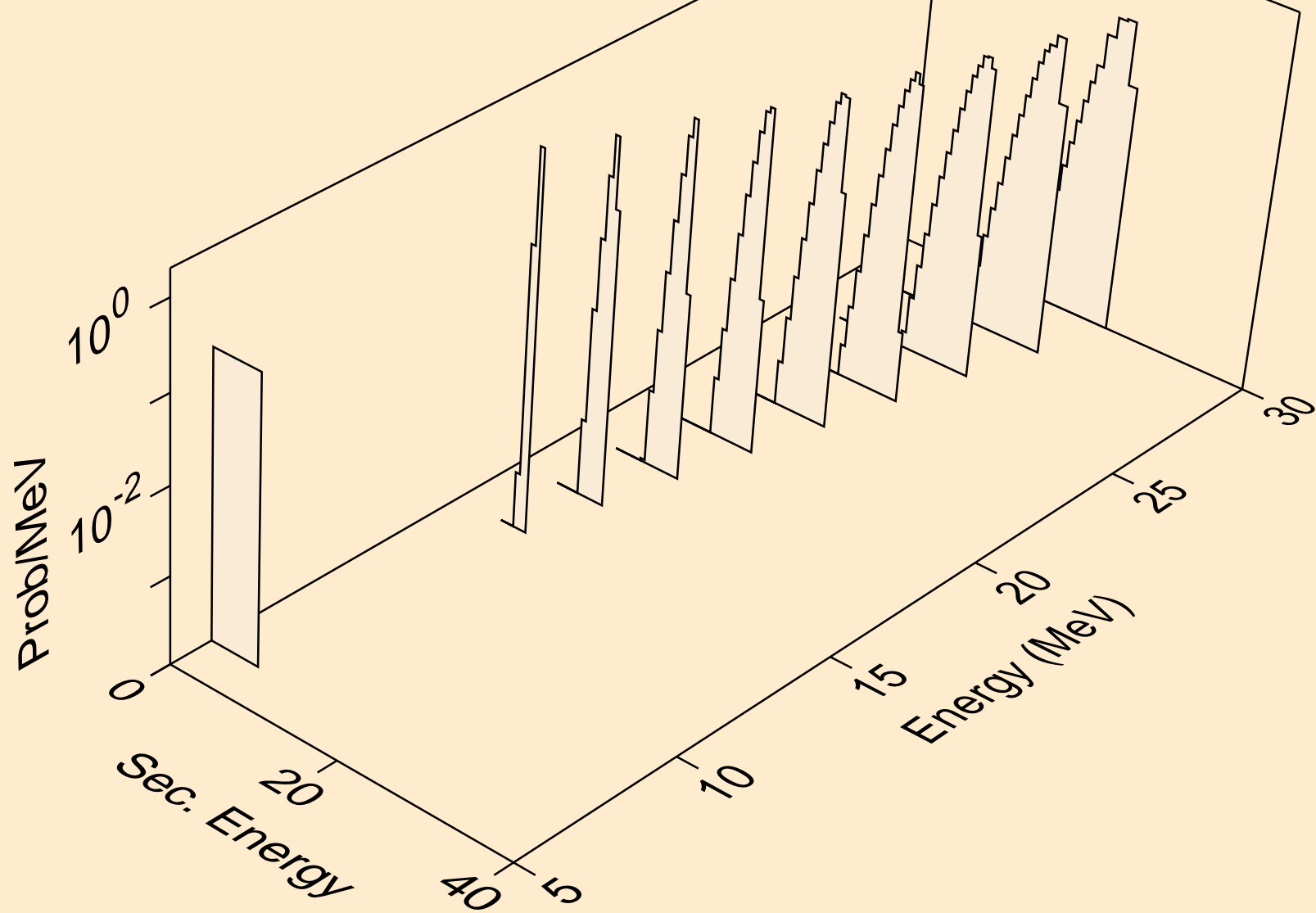
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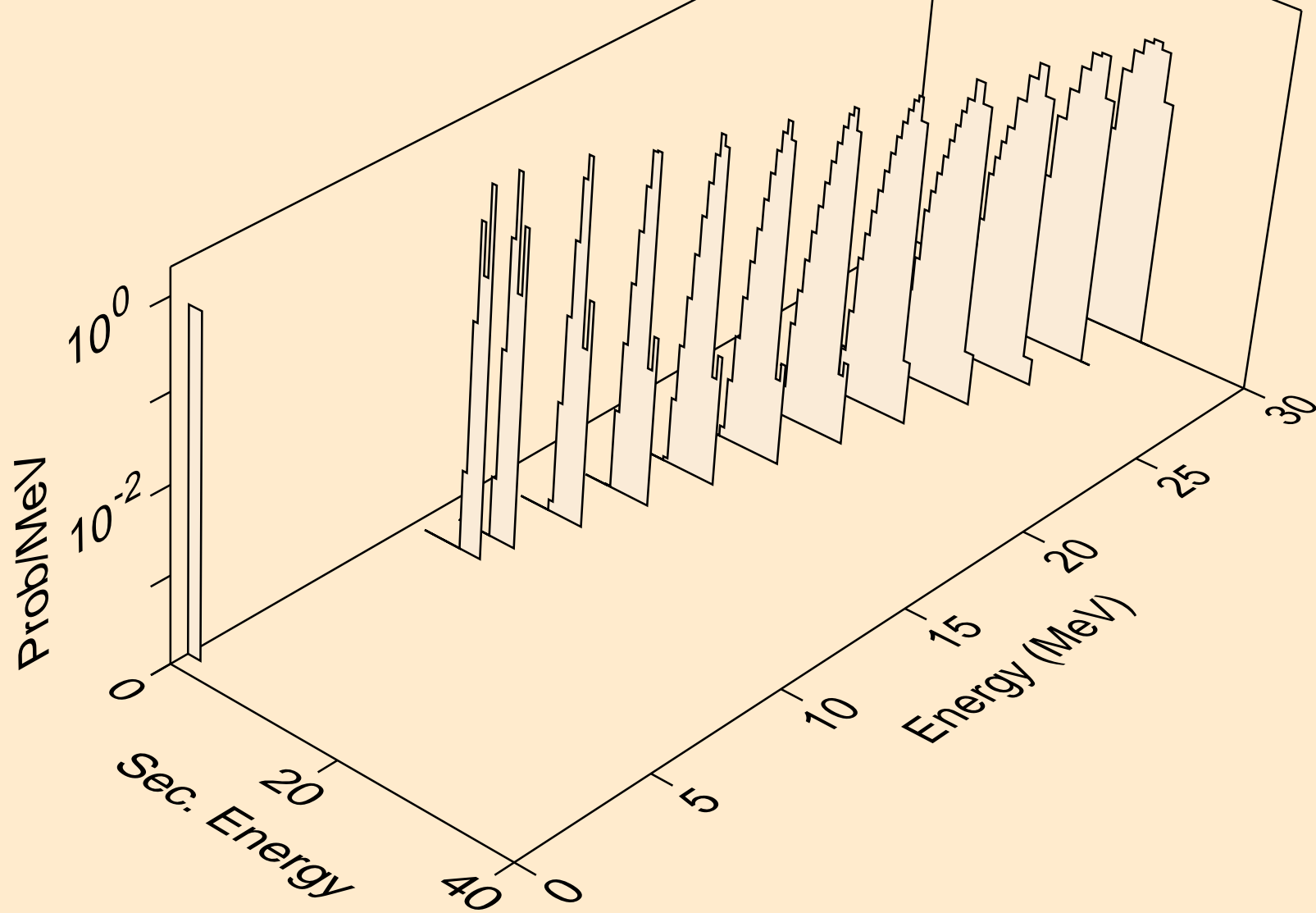
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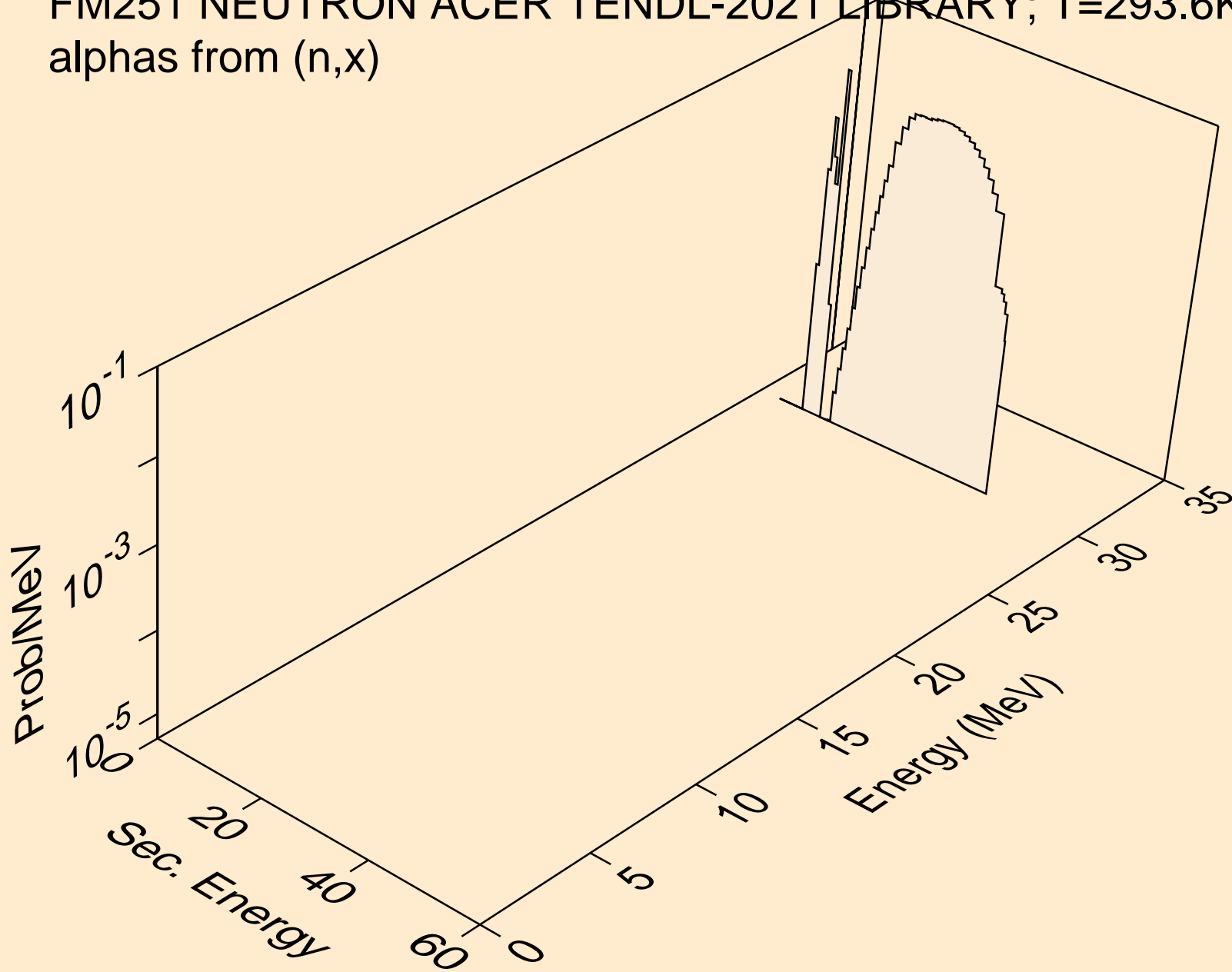
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he3s from (n,n\*)he3



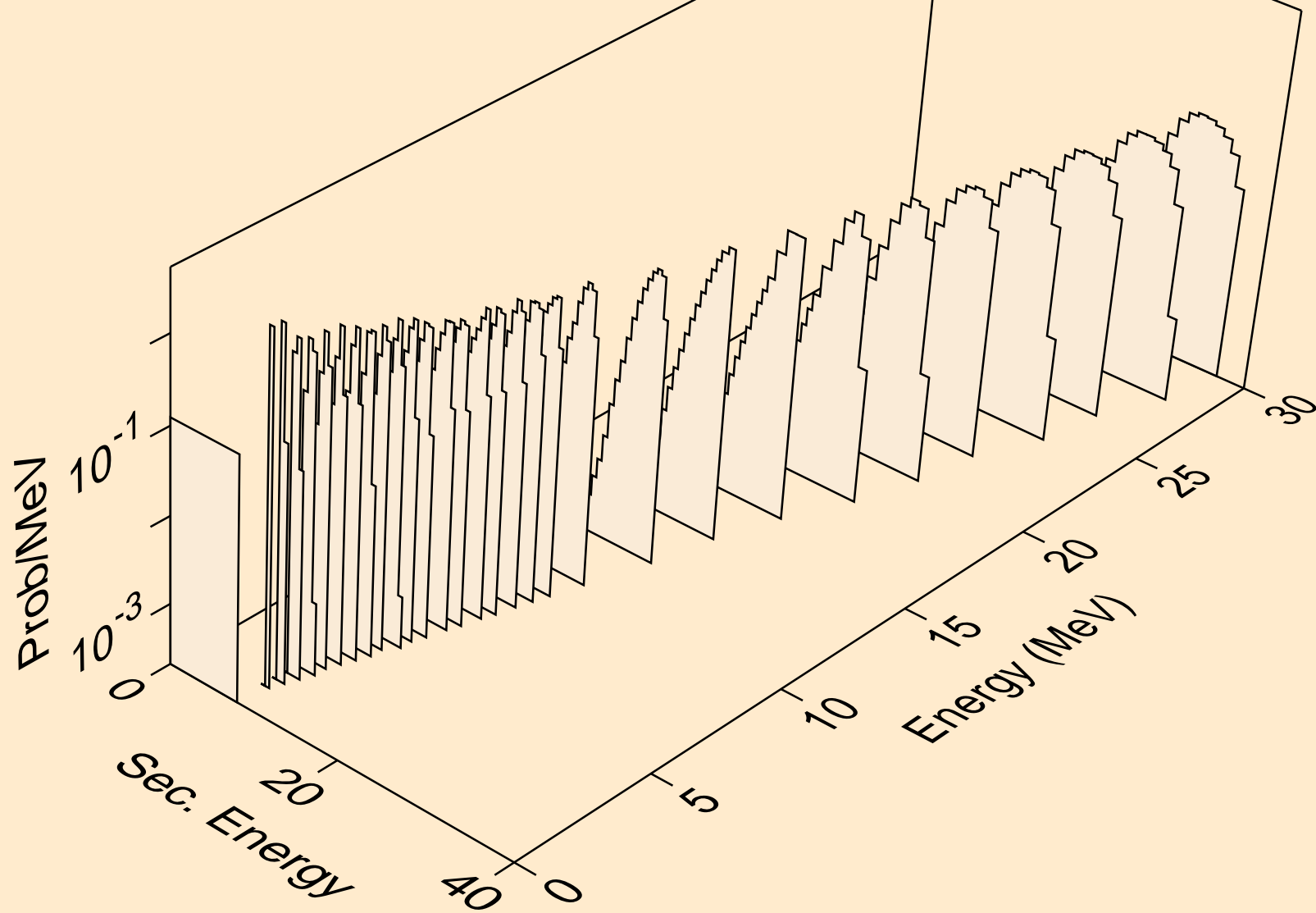
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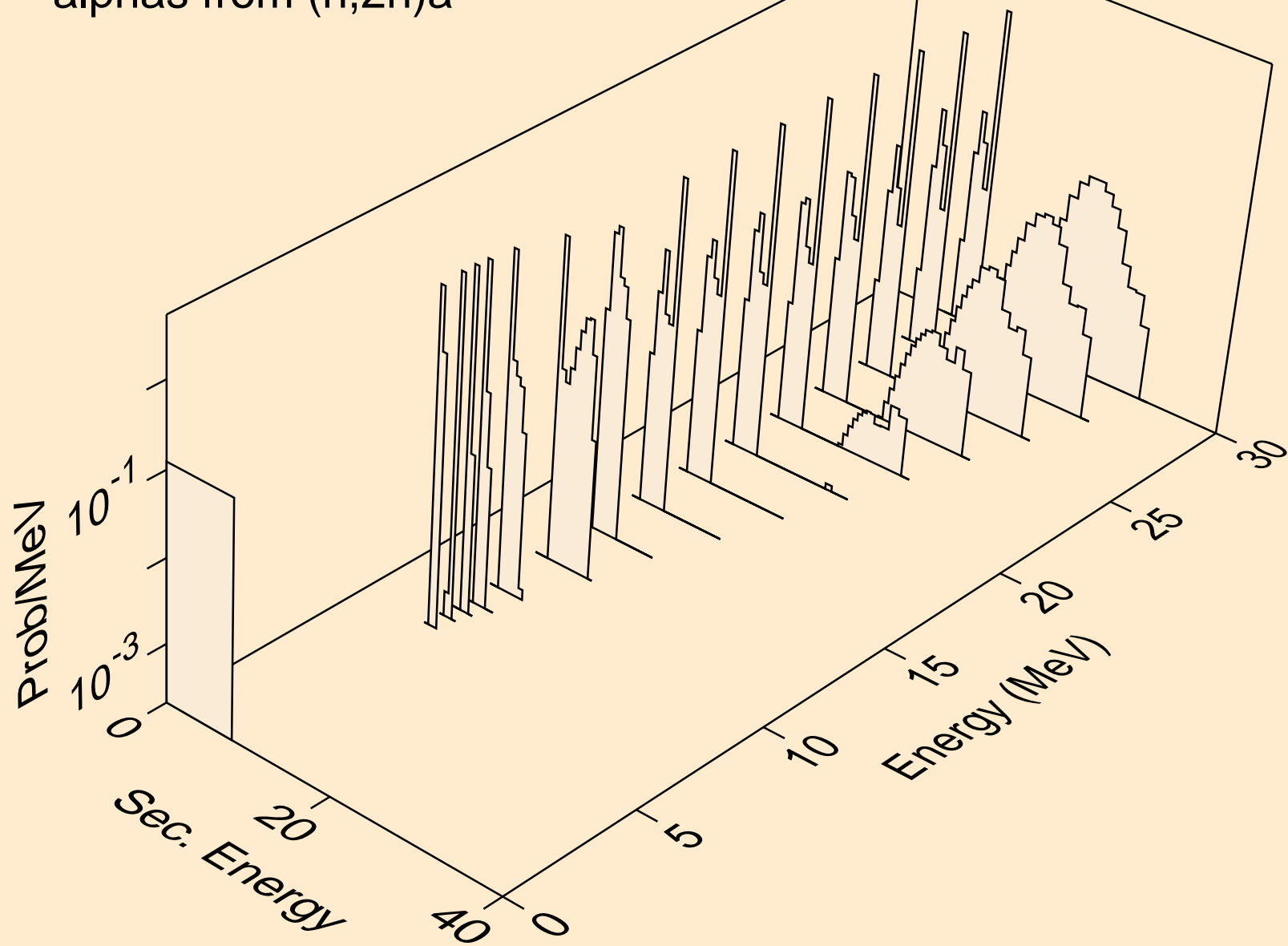
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alphas from (n,x)



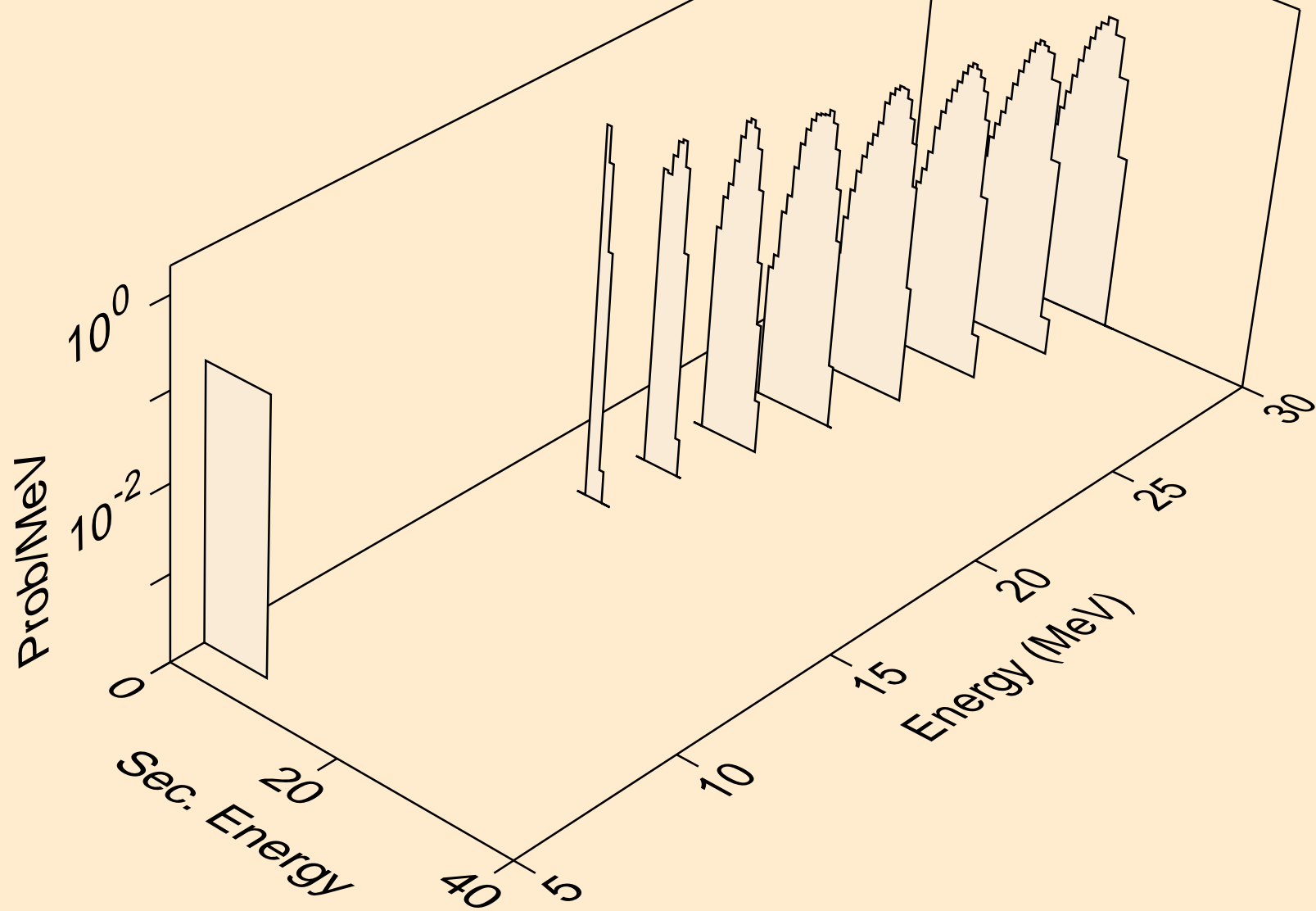
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a



FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a

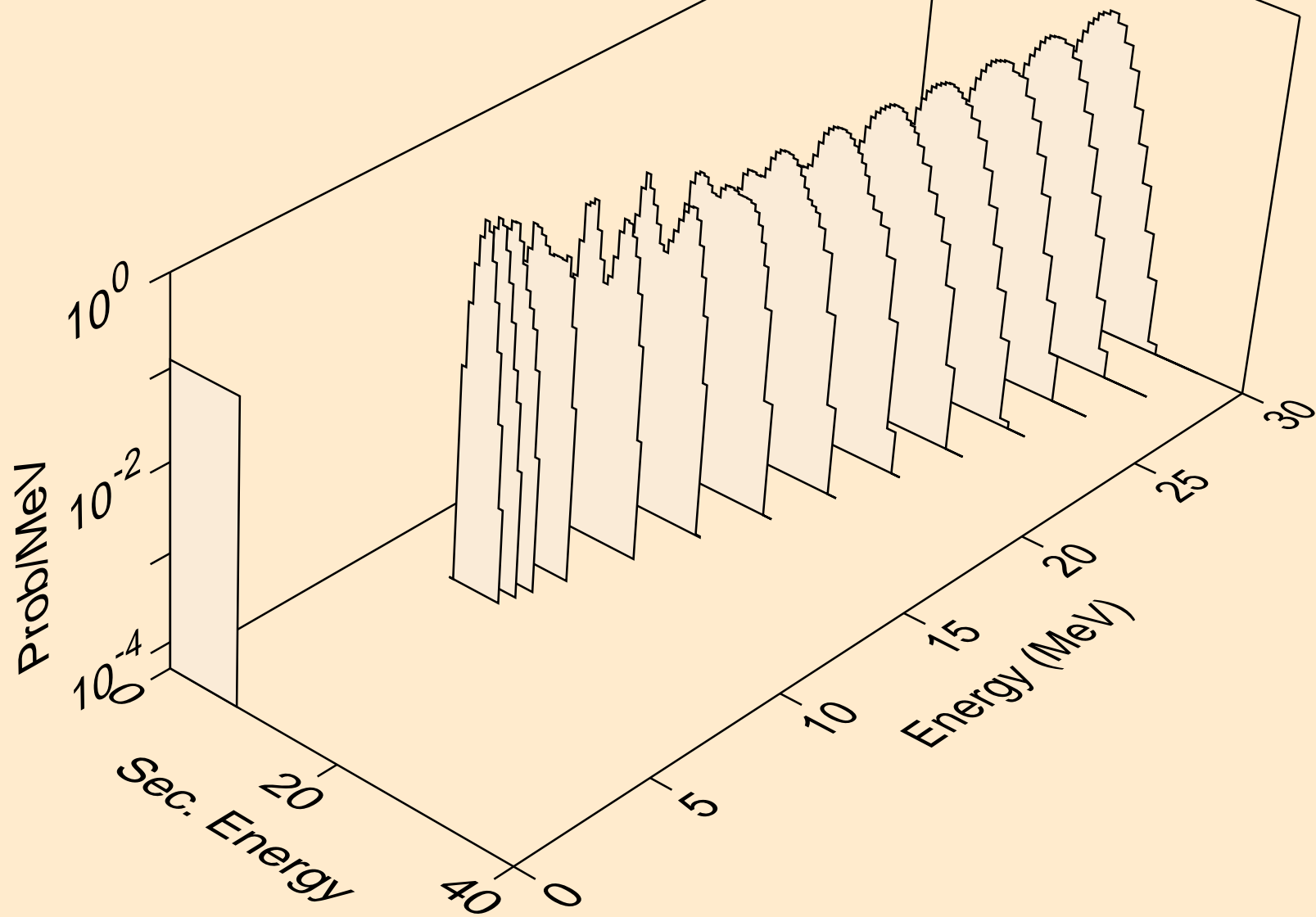


FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3n)a

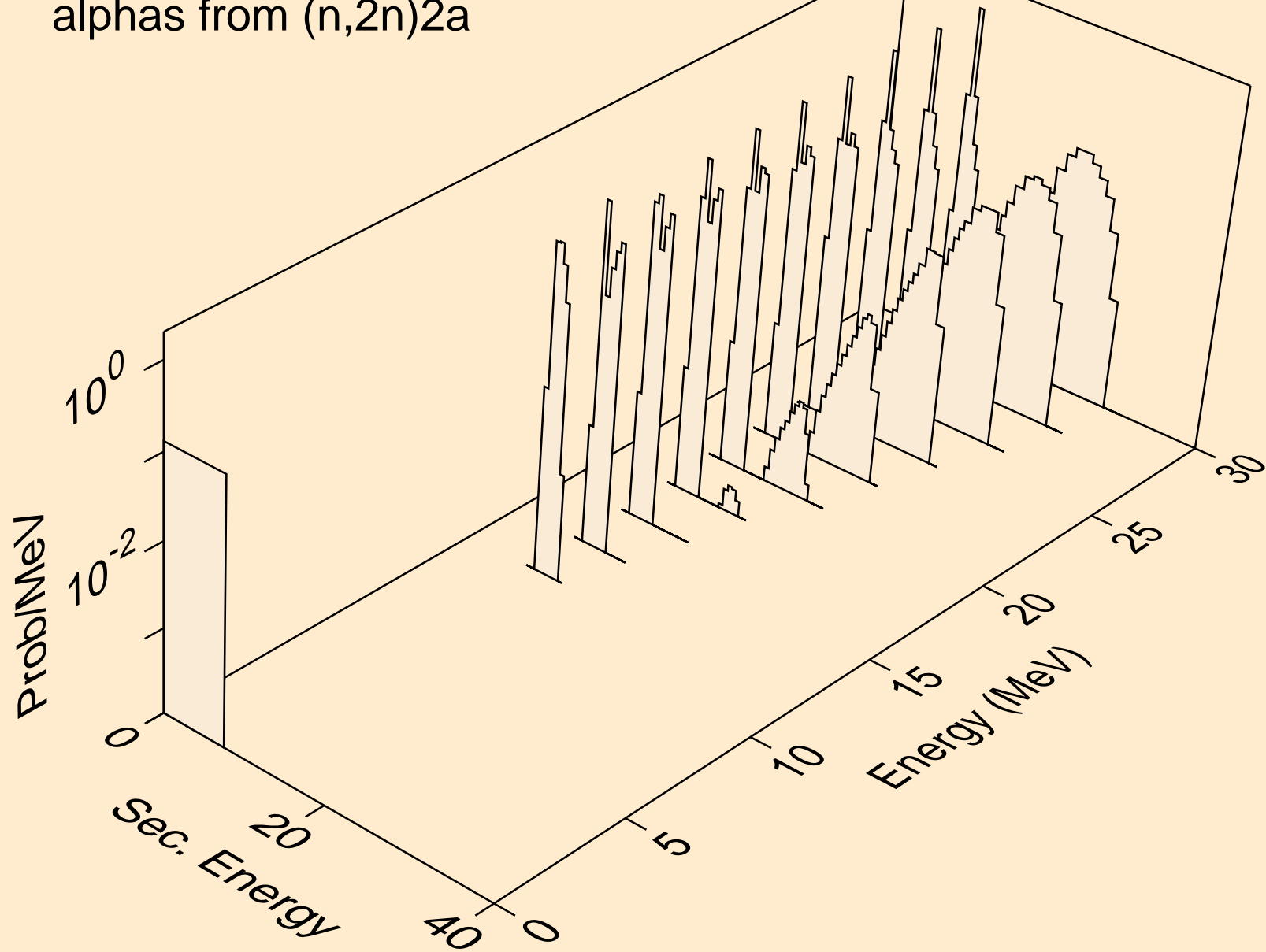




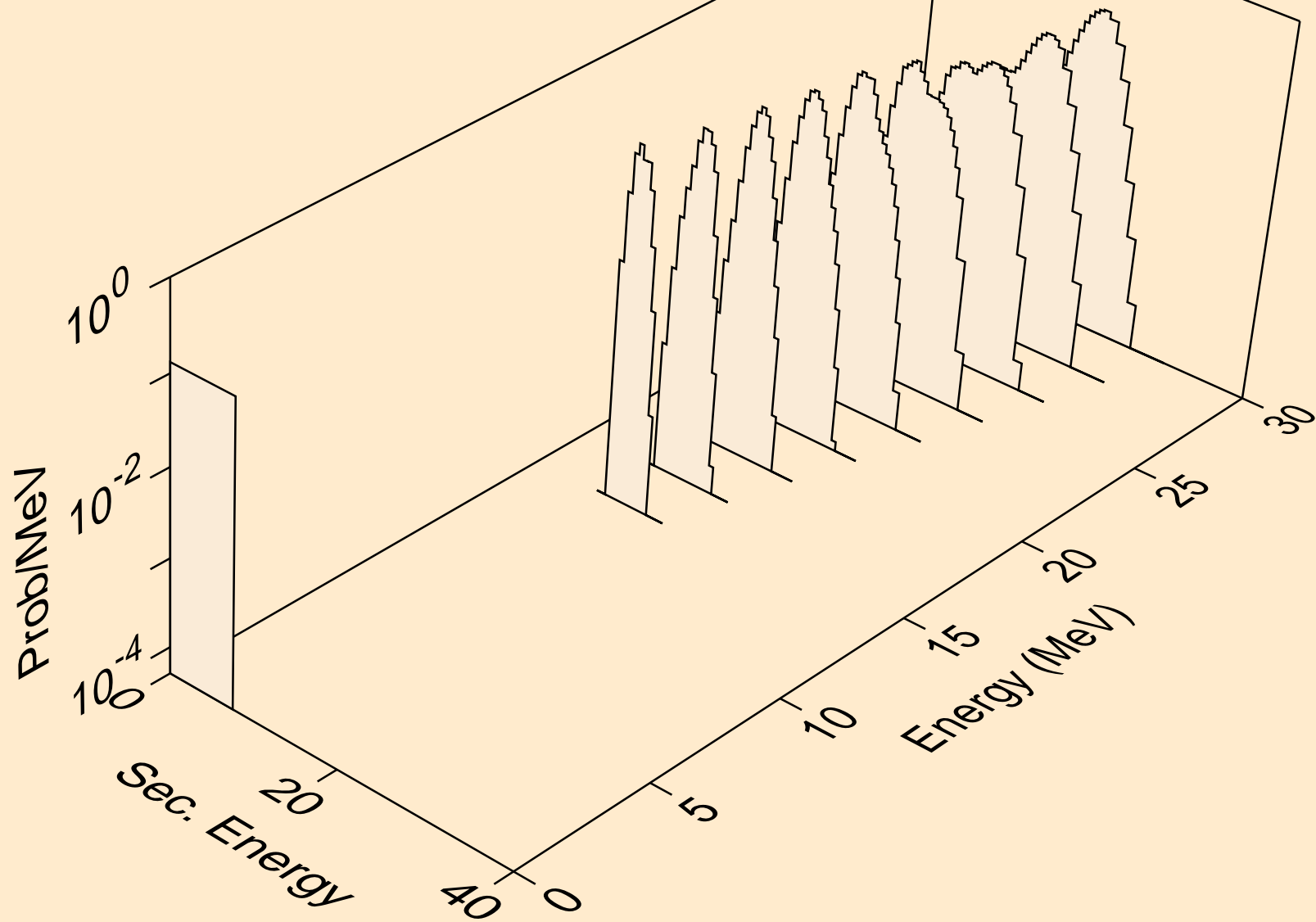
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)2a



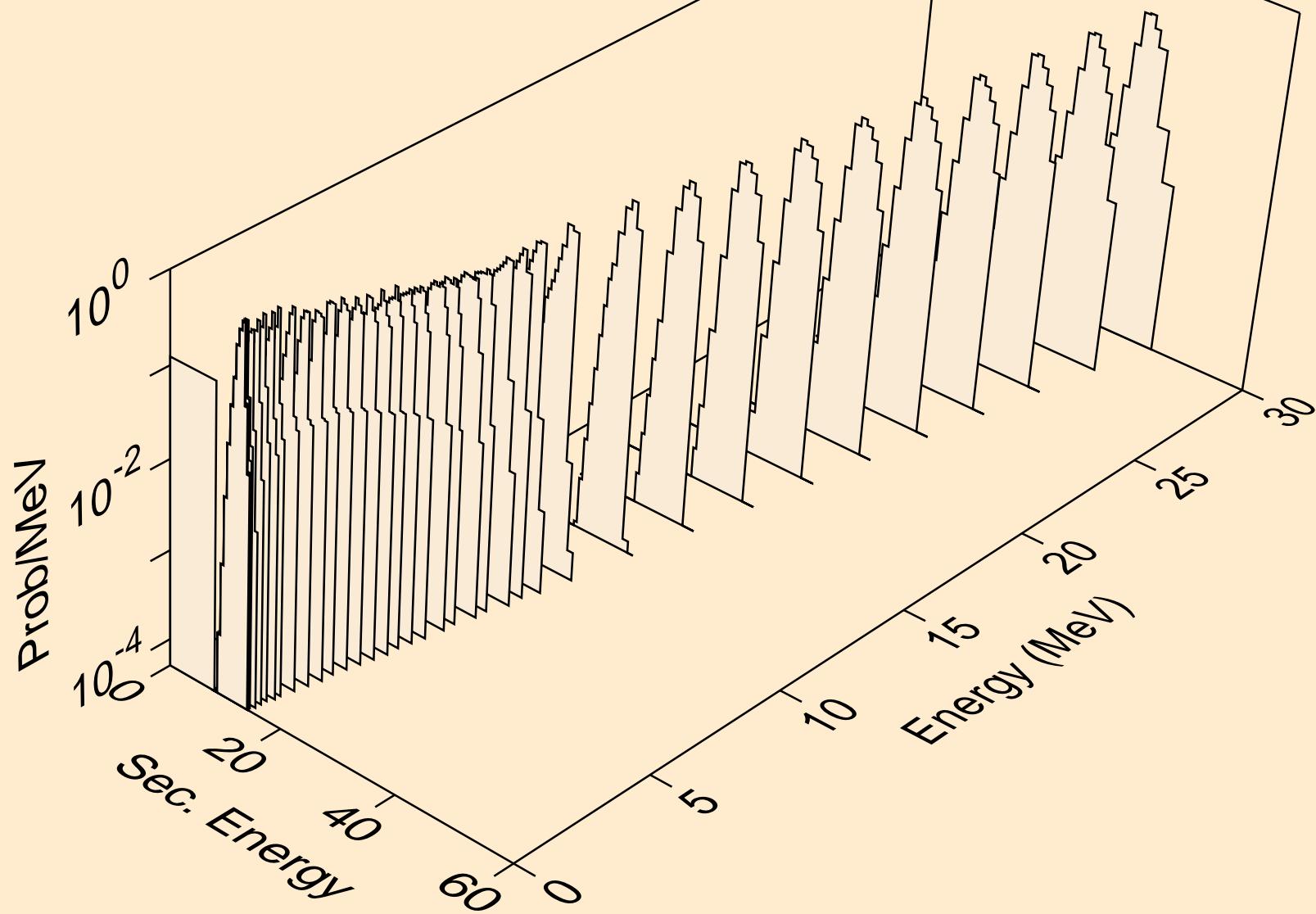
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)2a



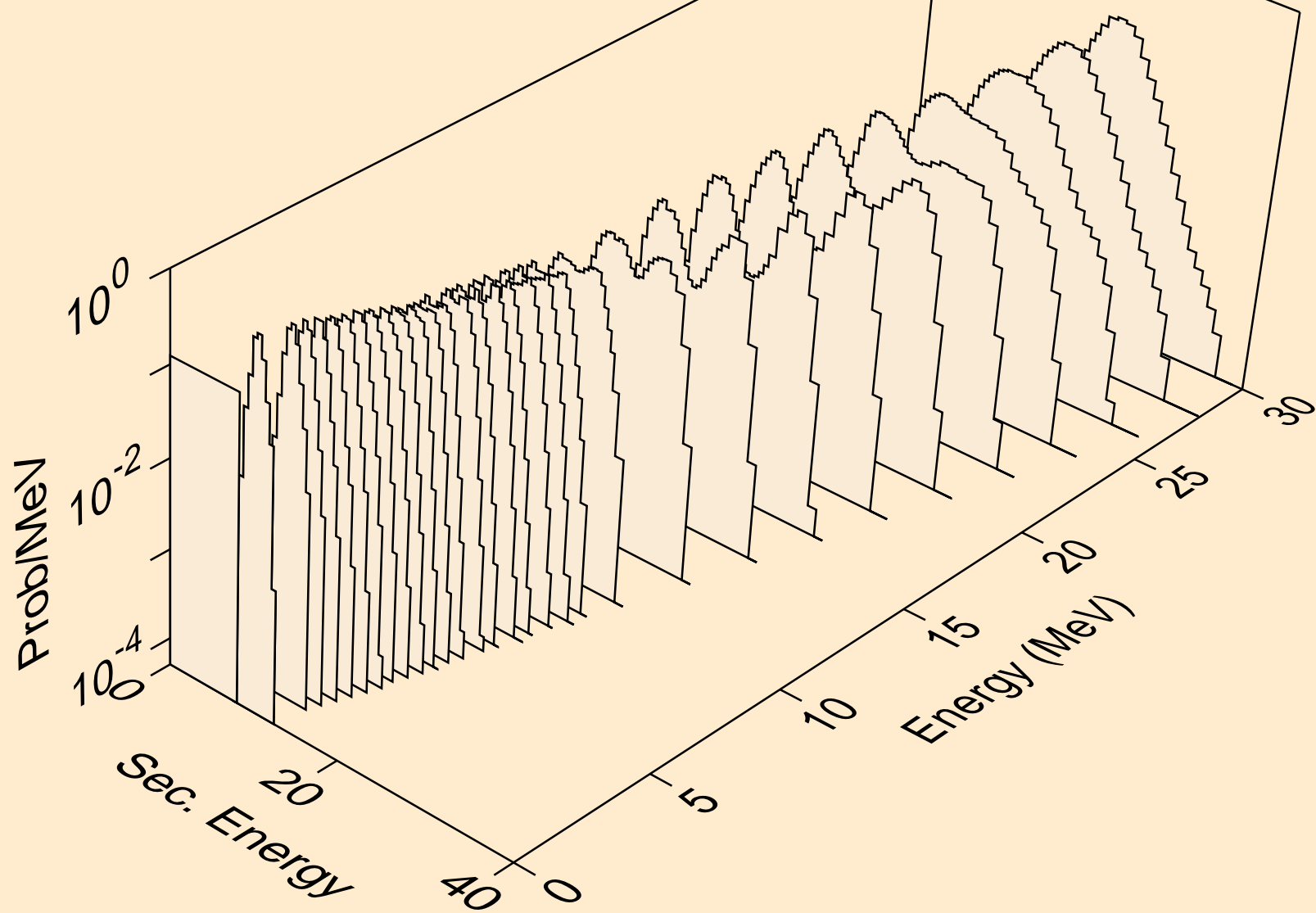
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)



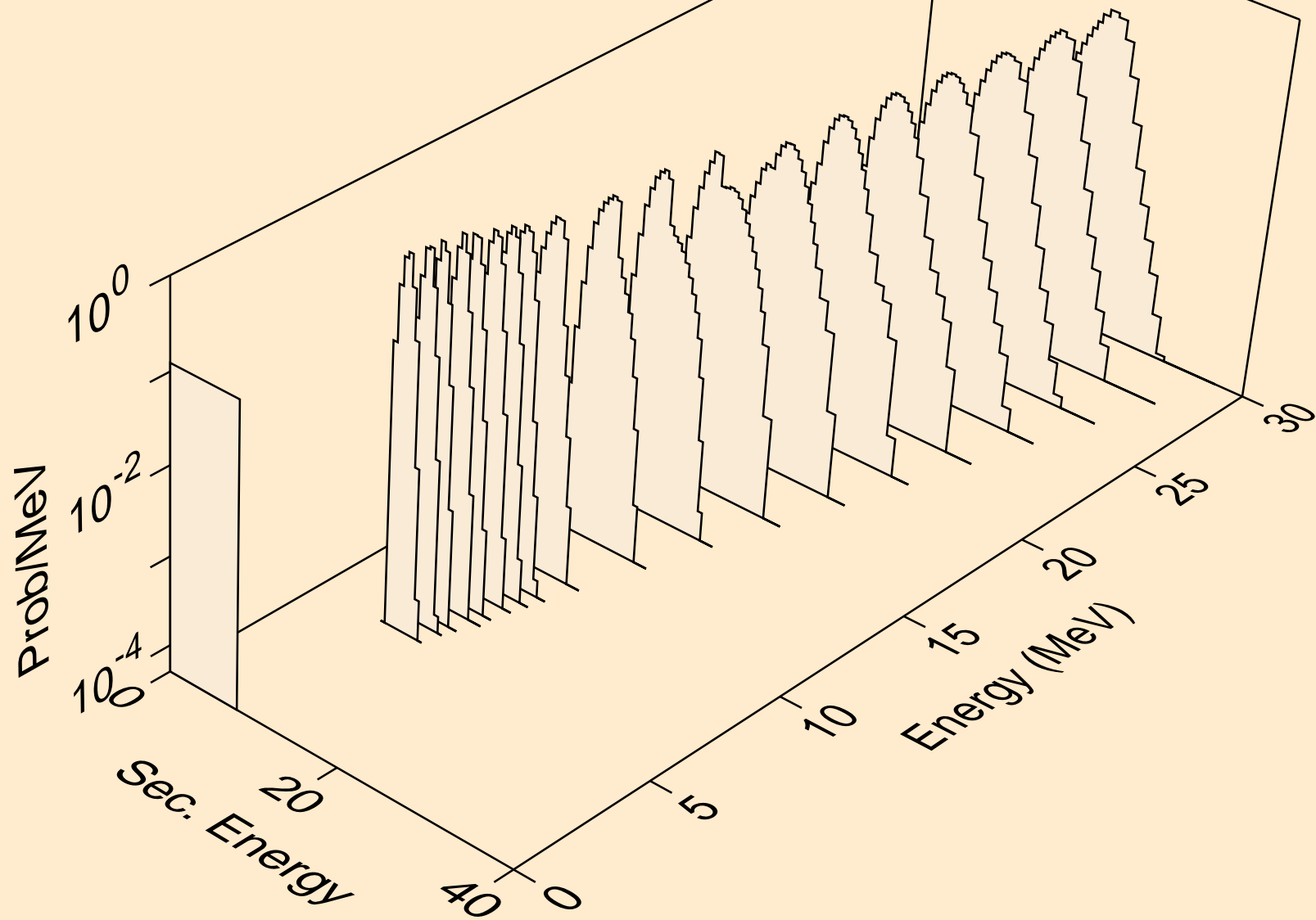
FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)



FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)



FM251 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

