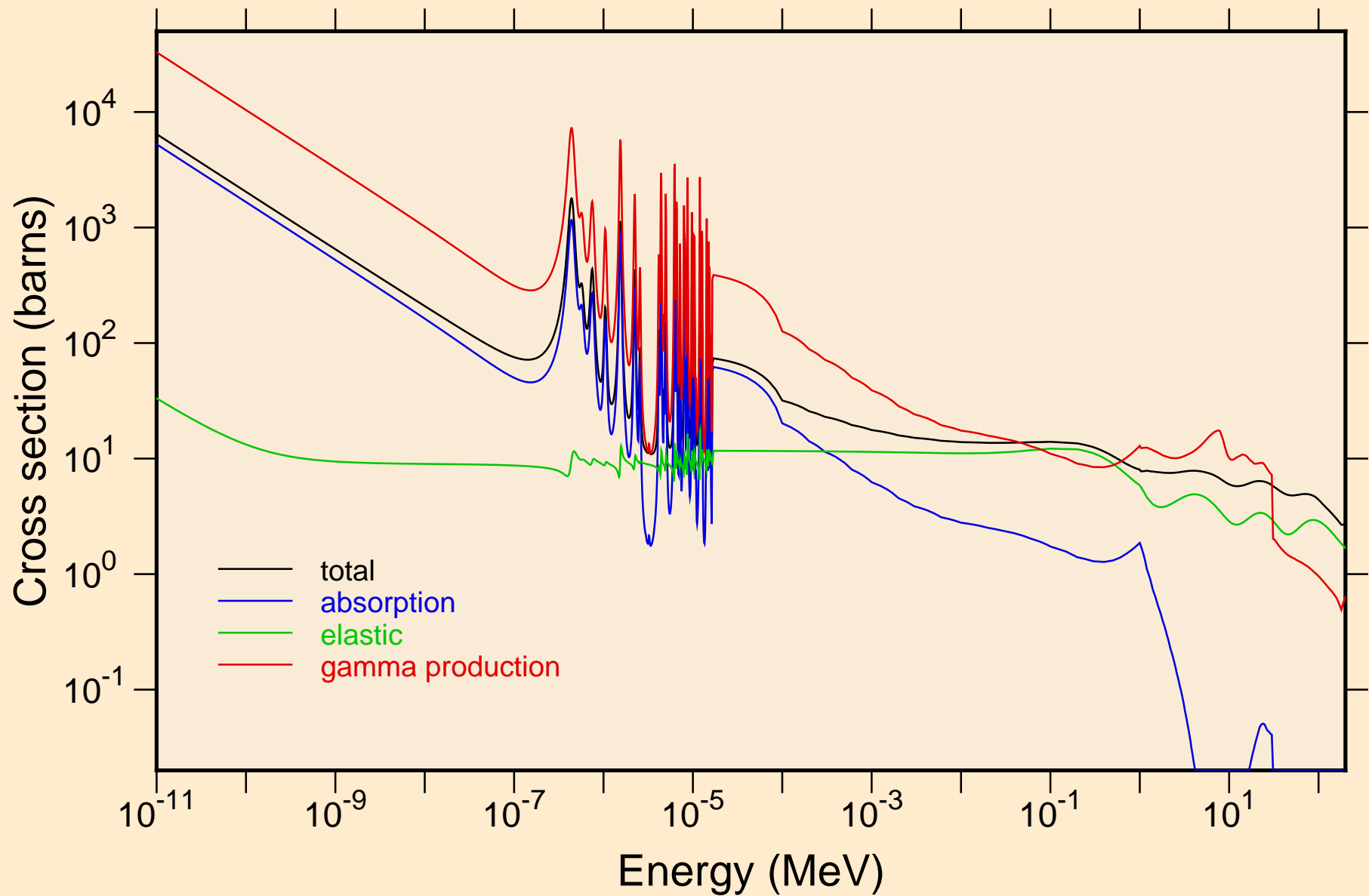
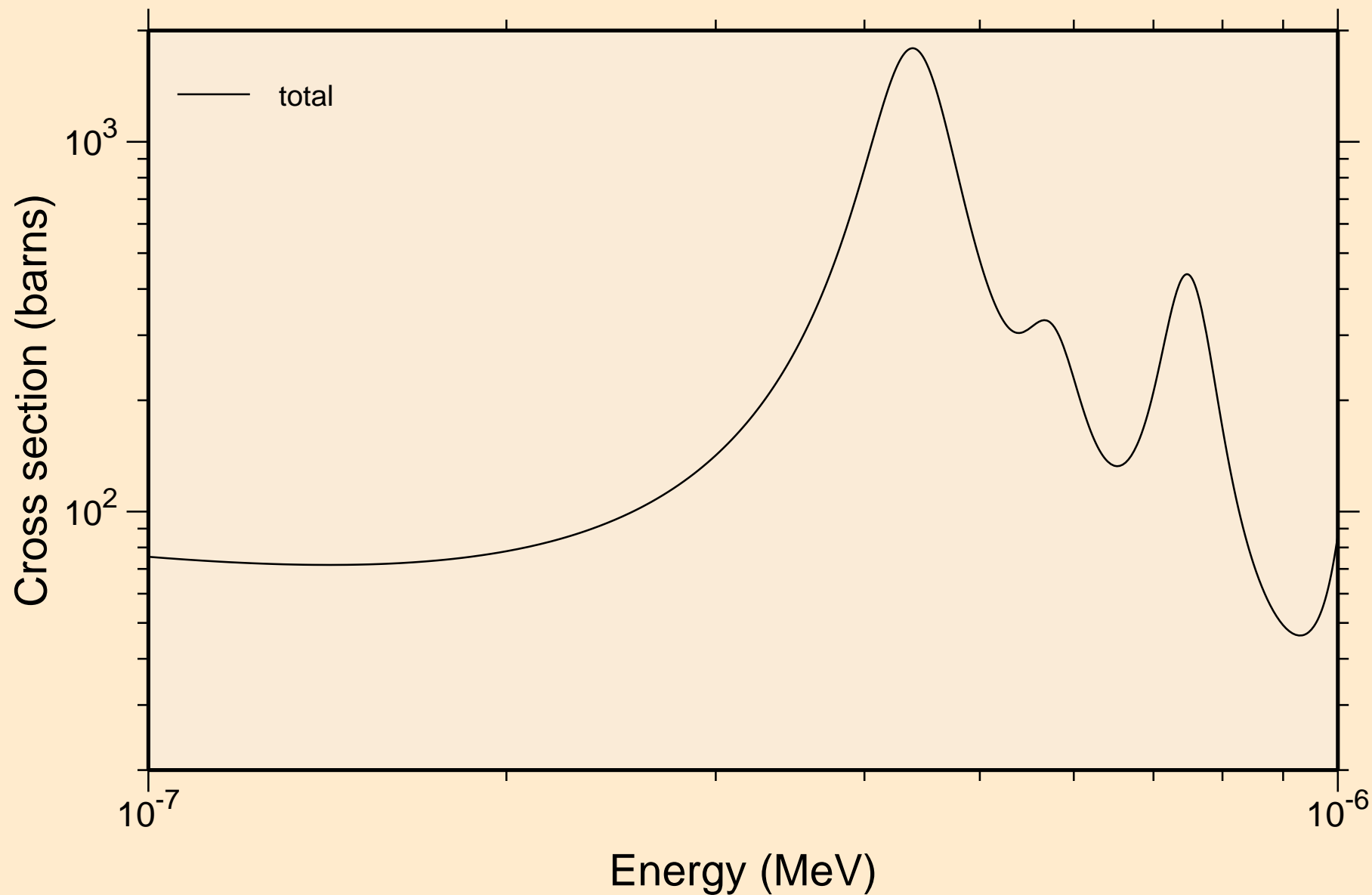


# MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

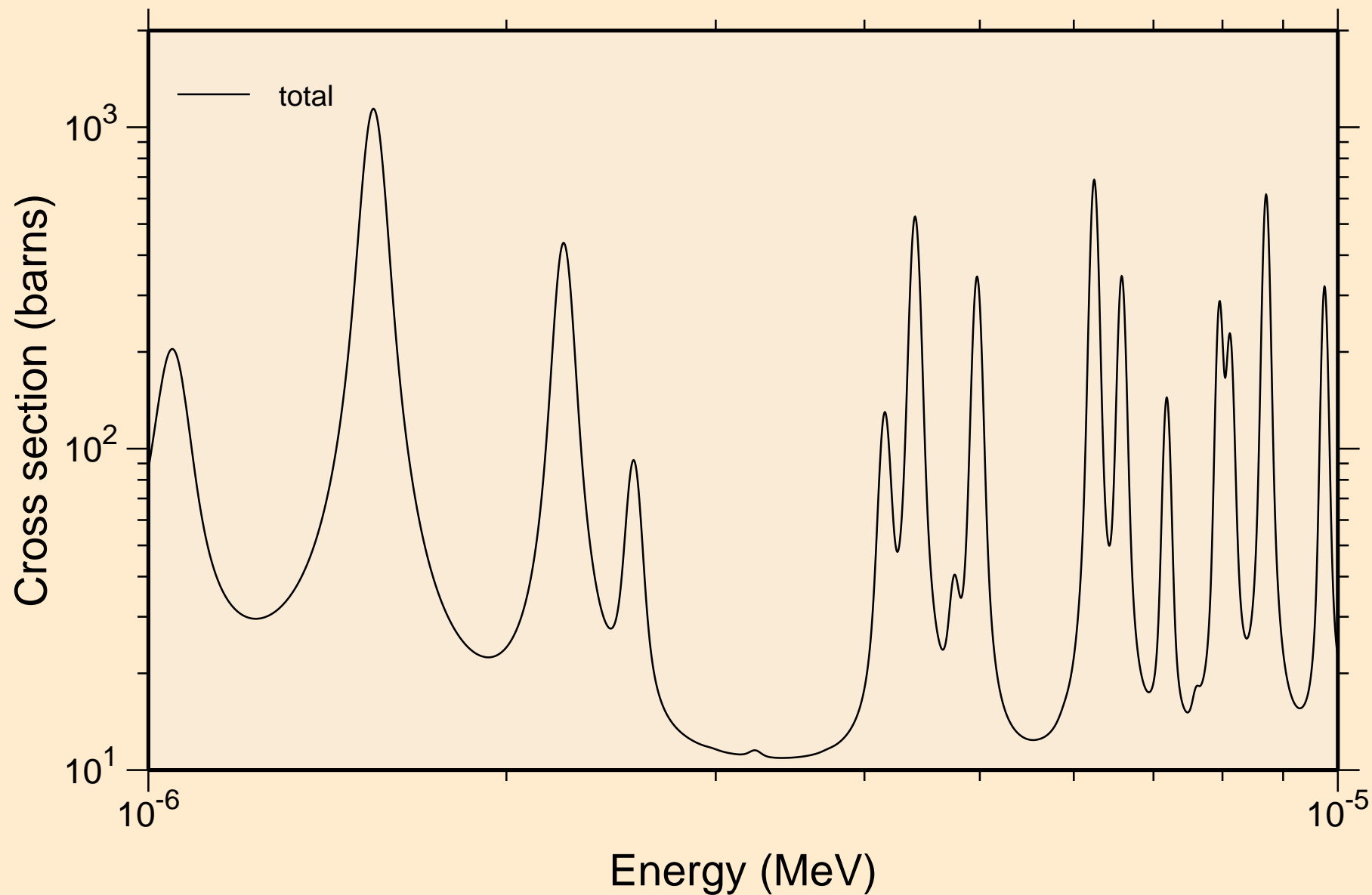
## Principal cross sections



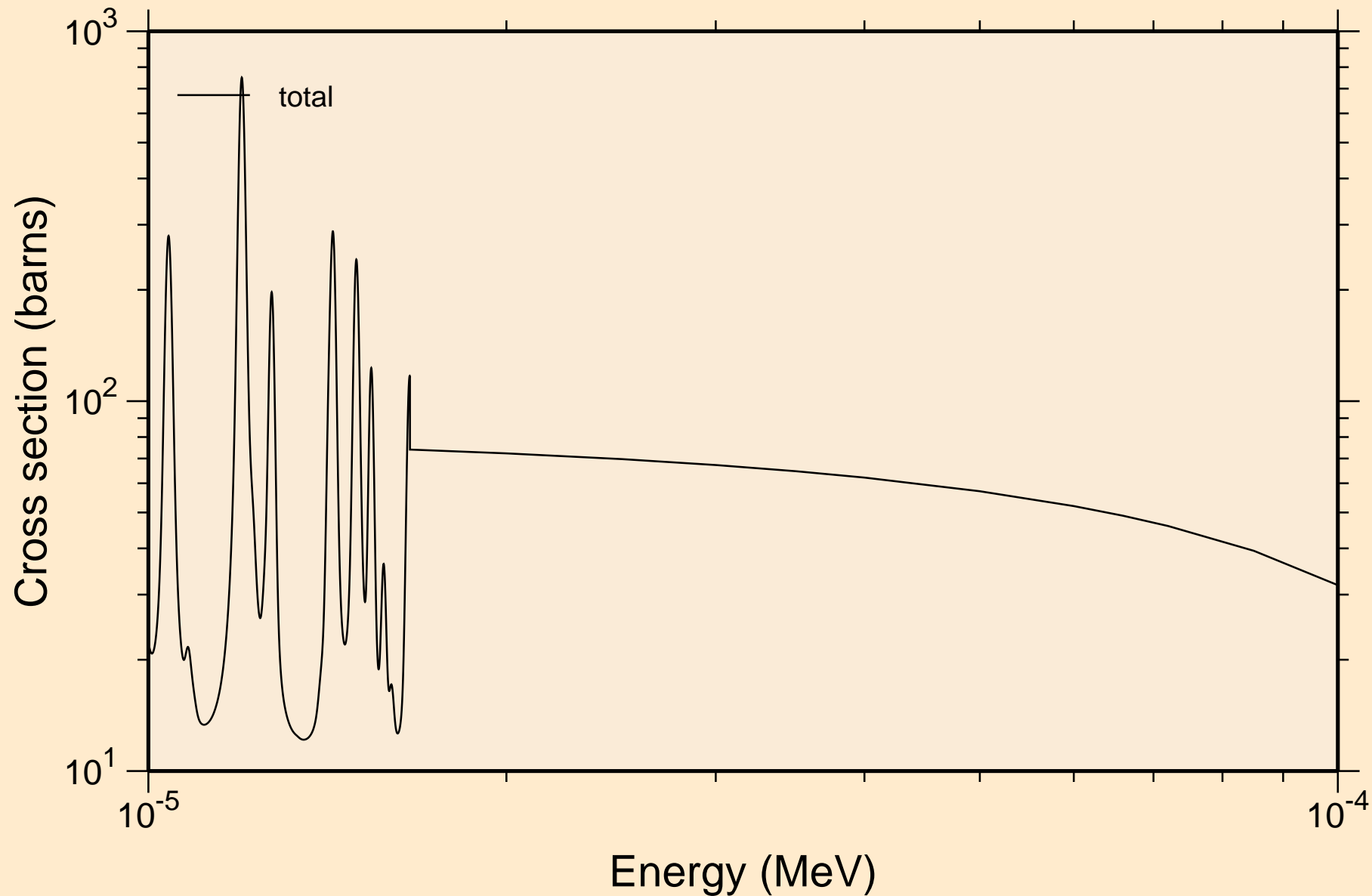
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



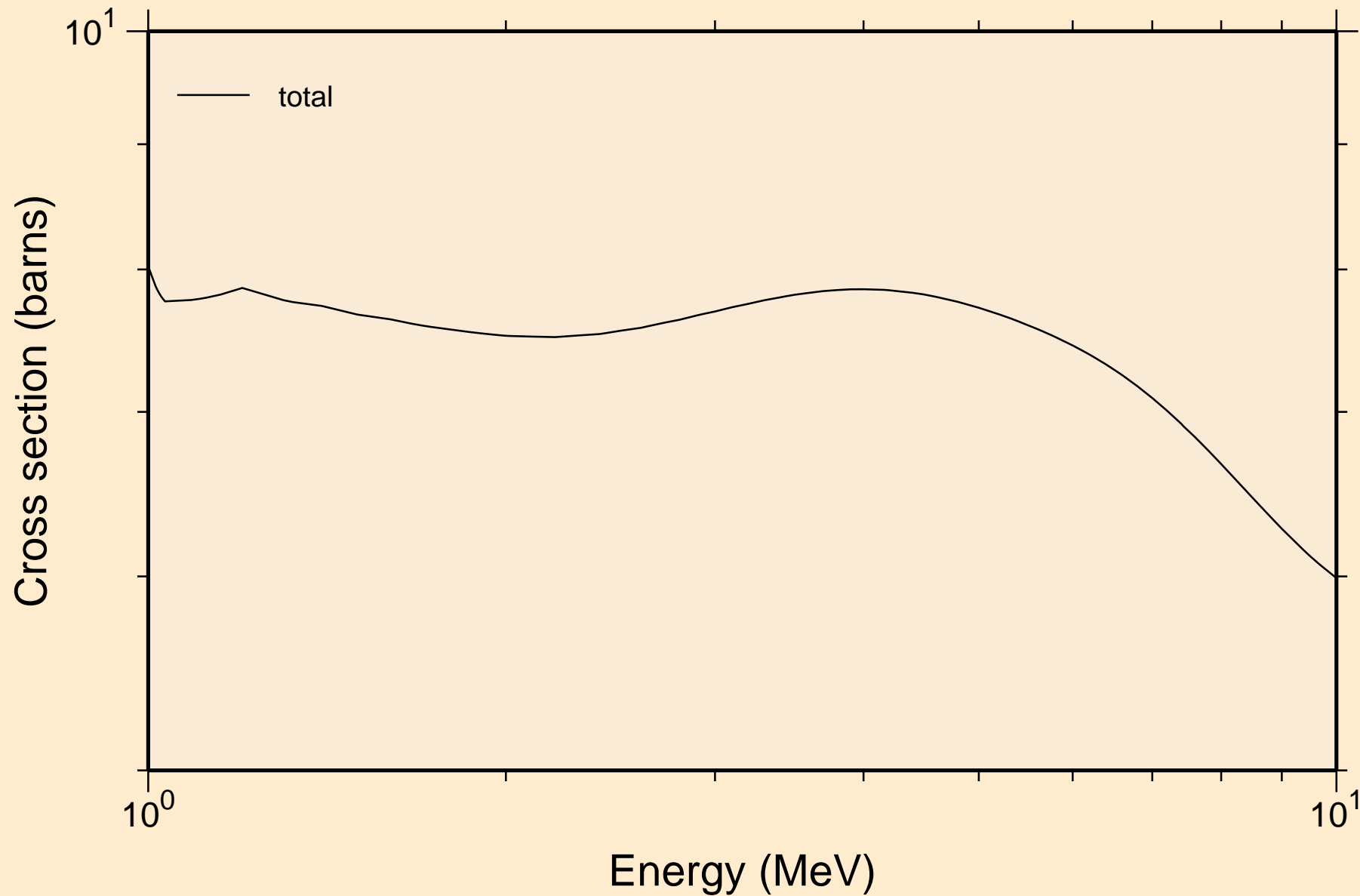
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



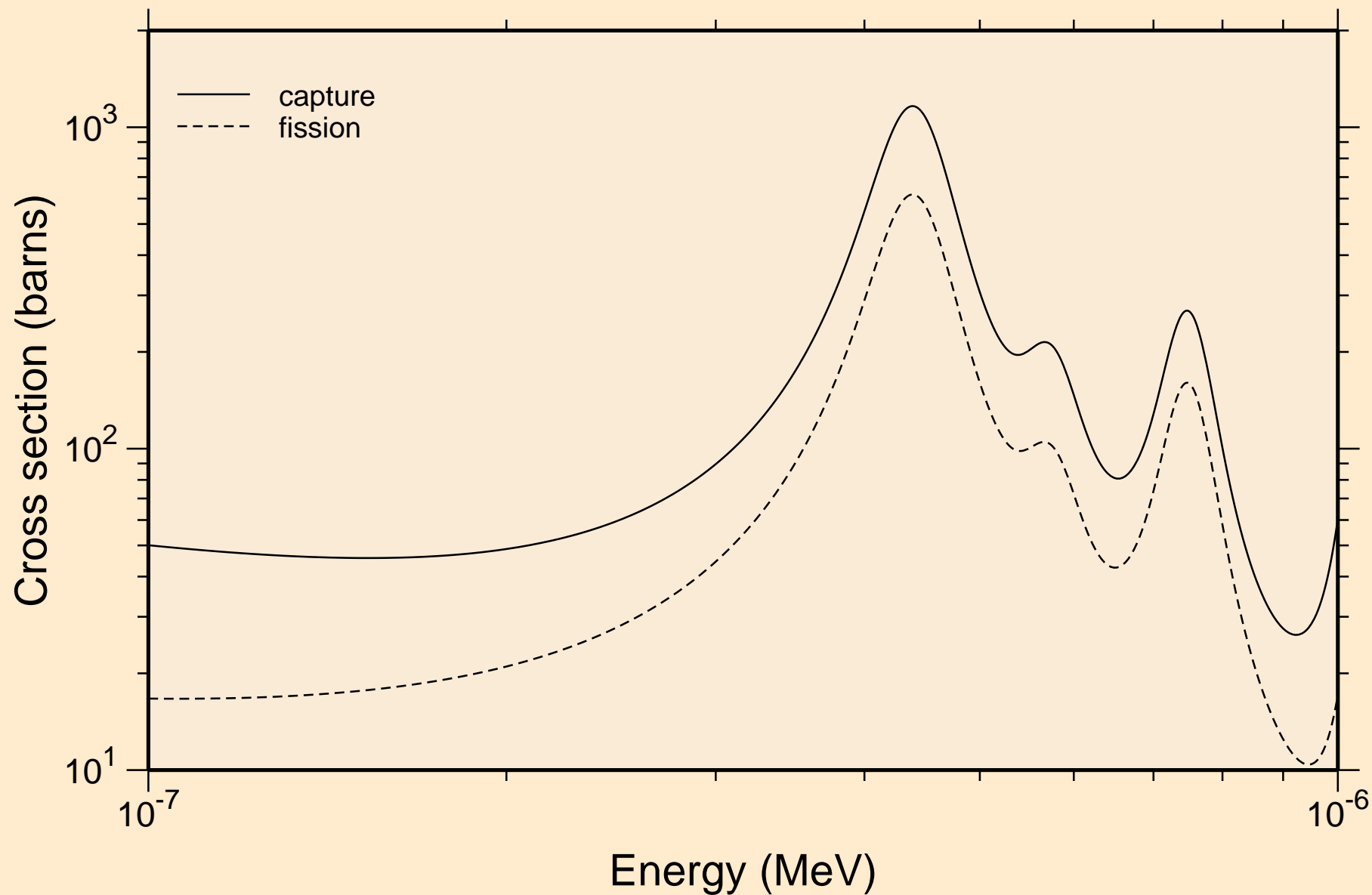
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



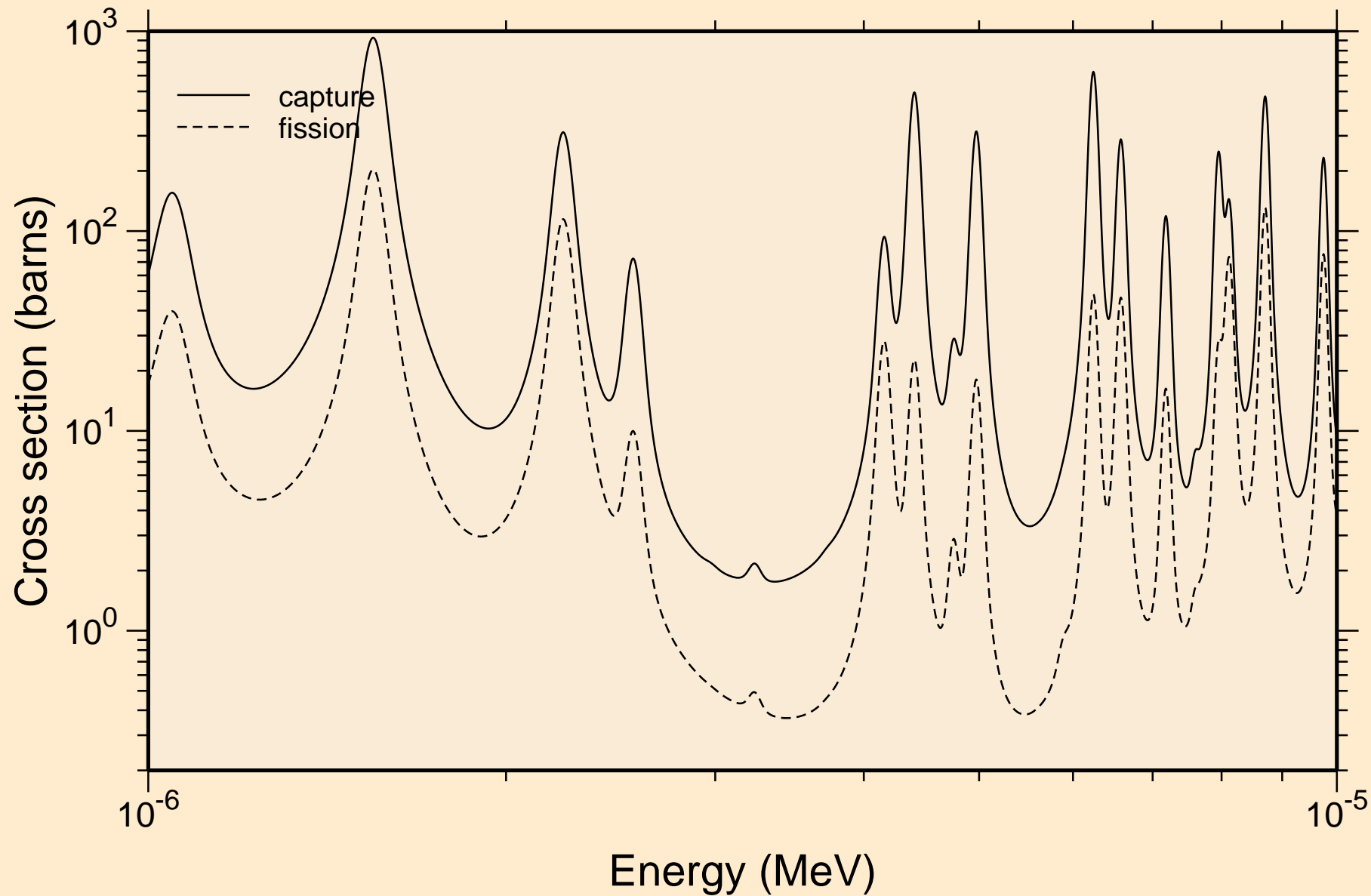
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



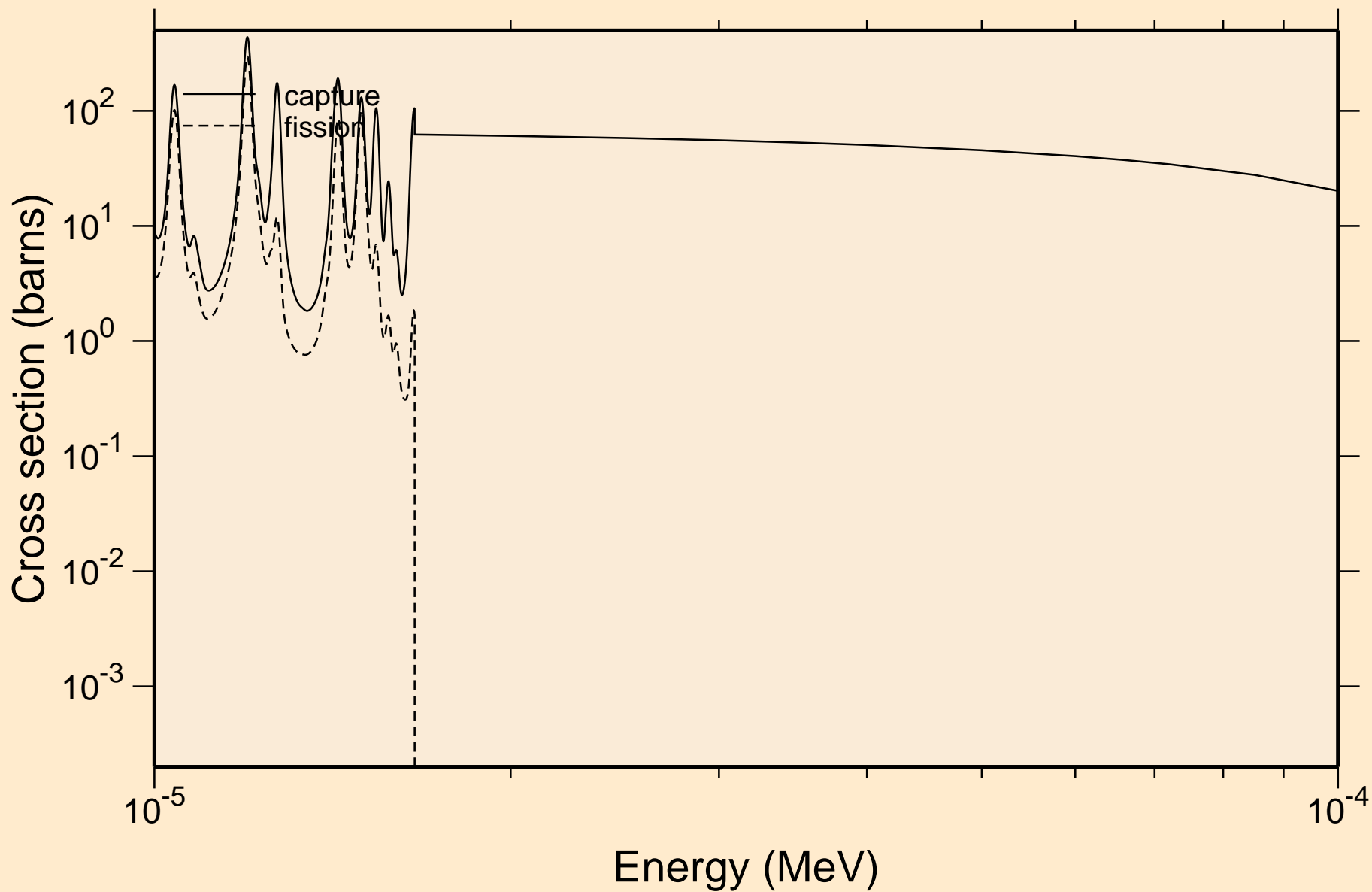
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

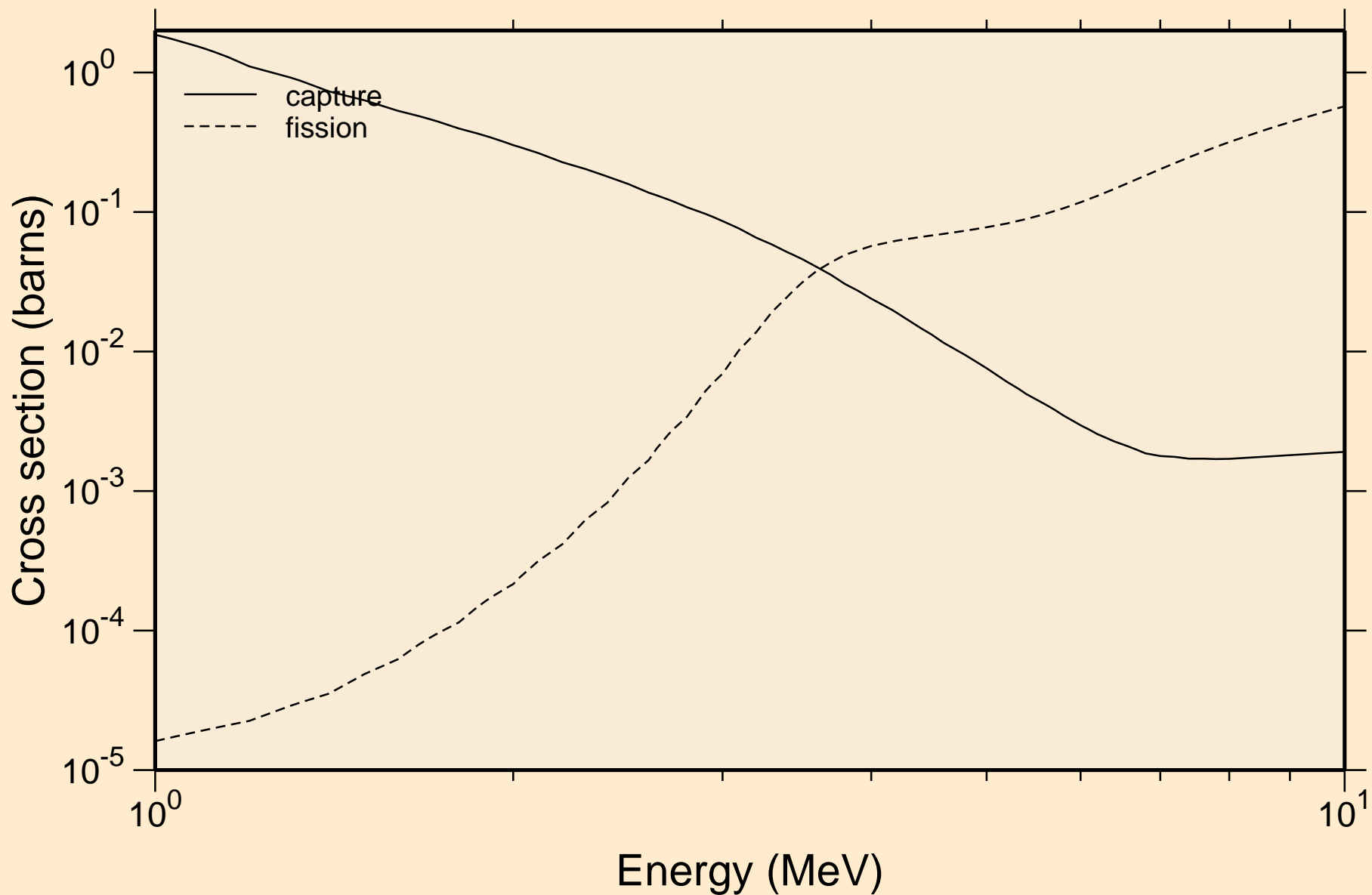


MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

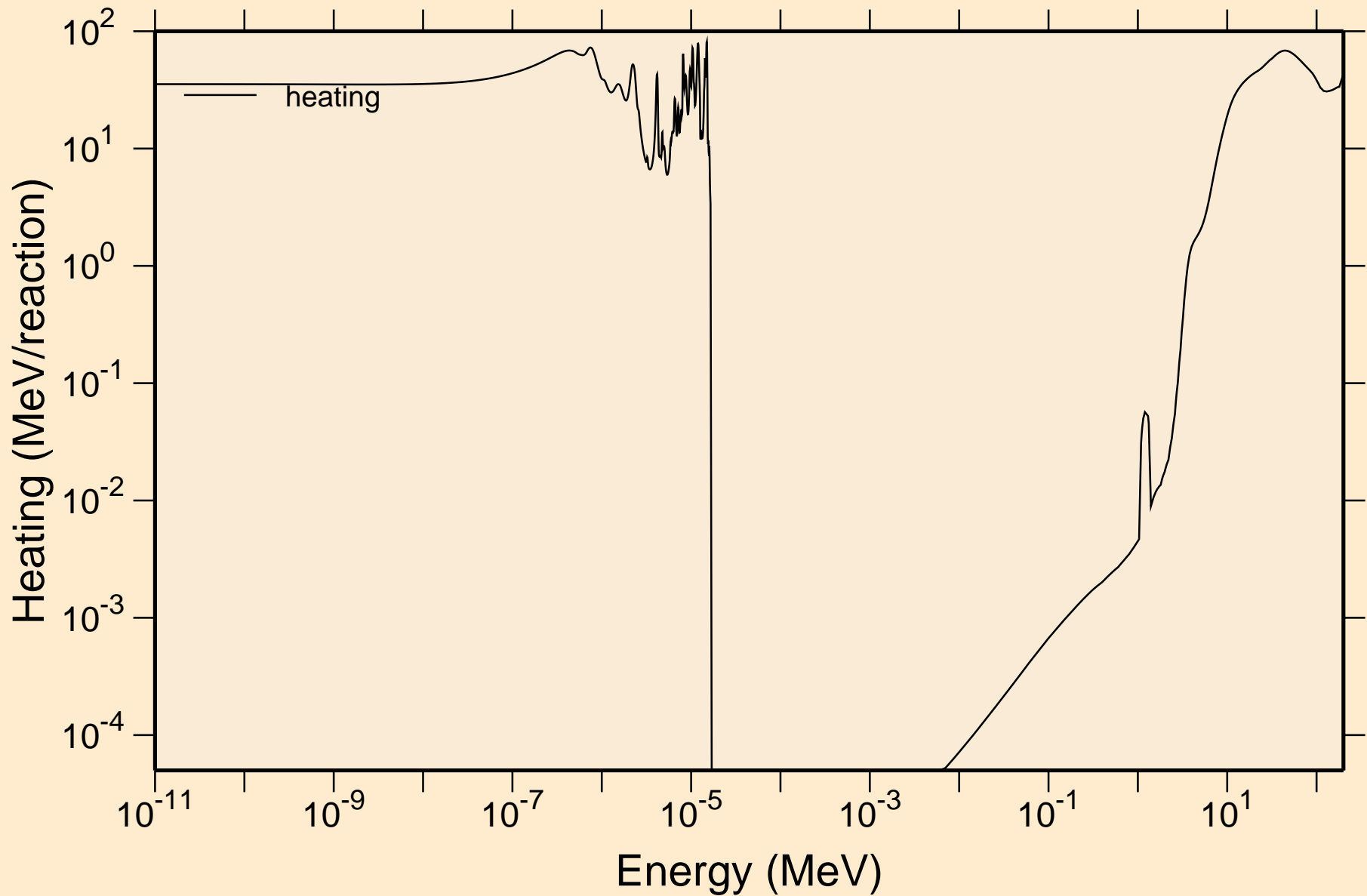




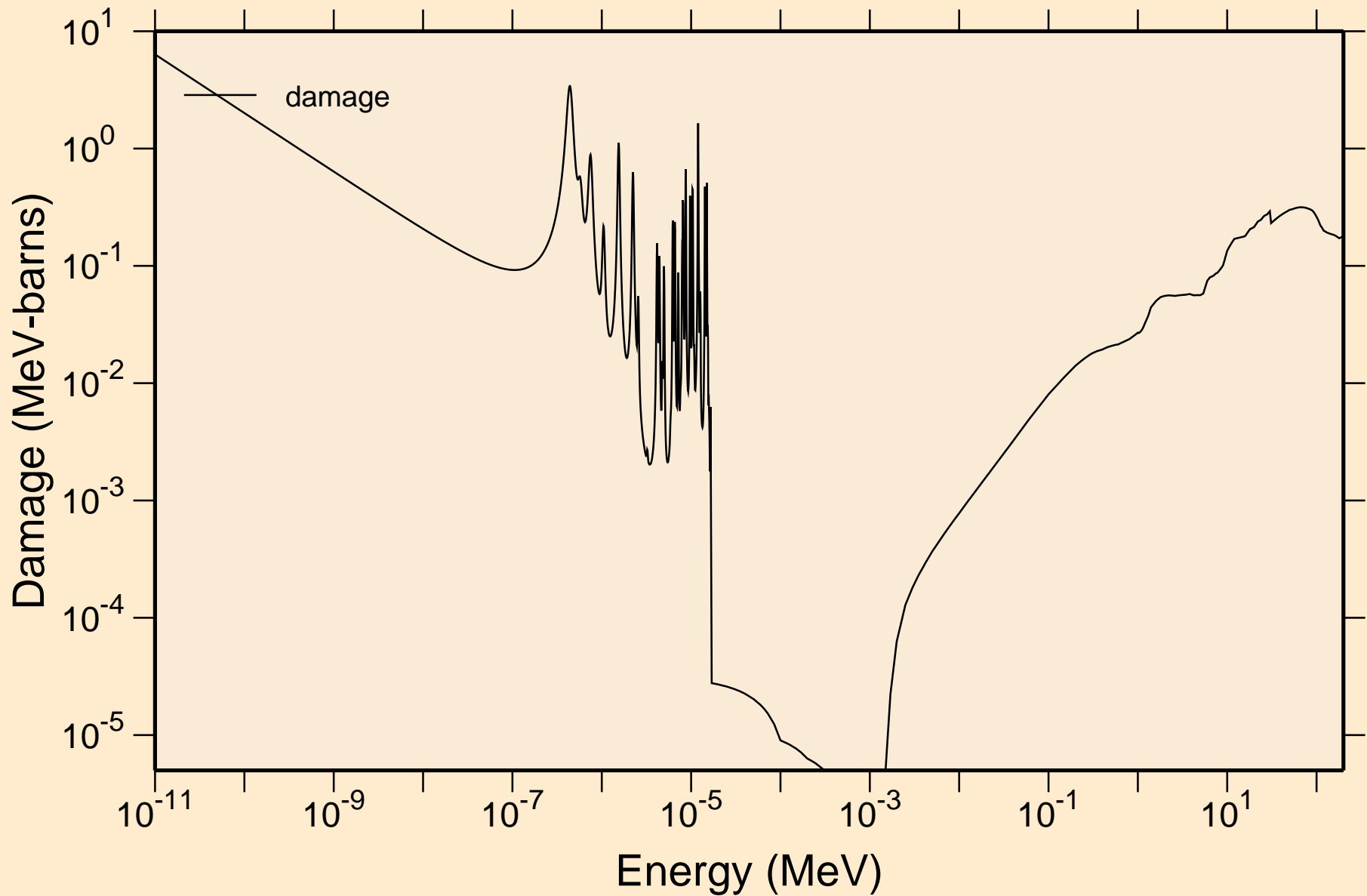
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



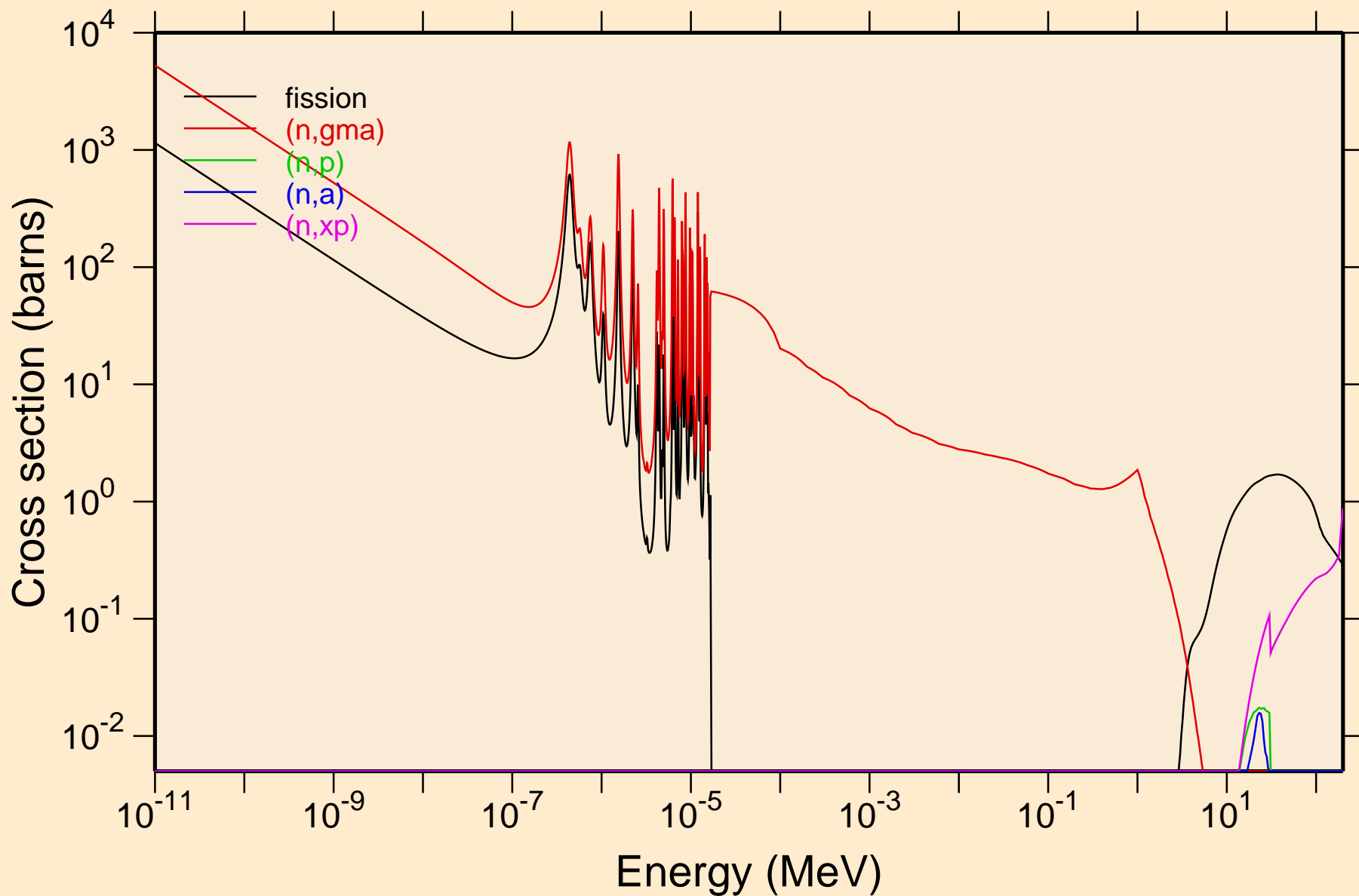
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



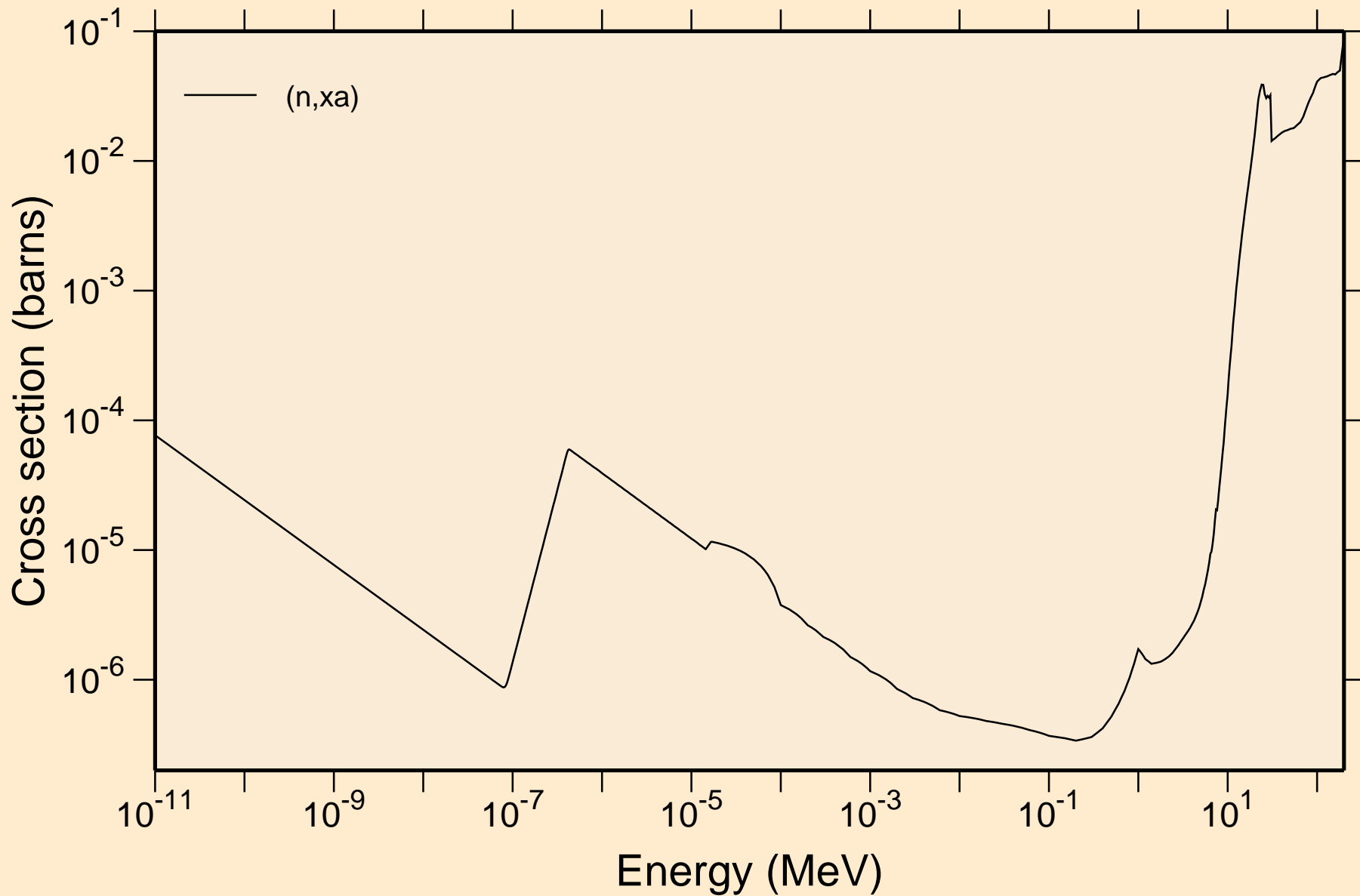
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage



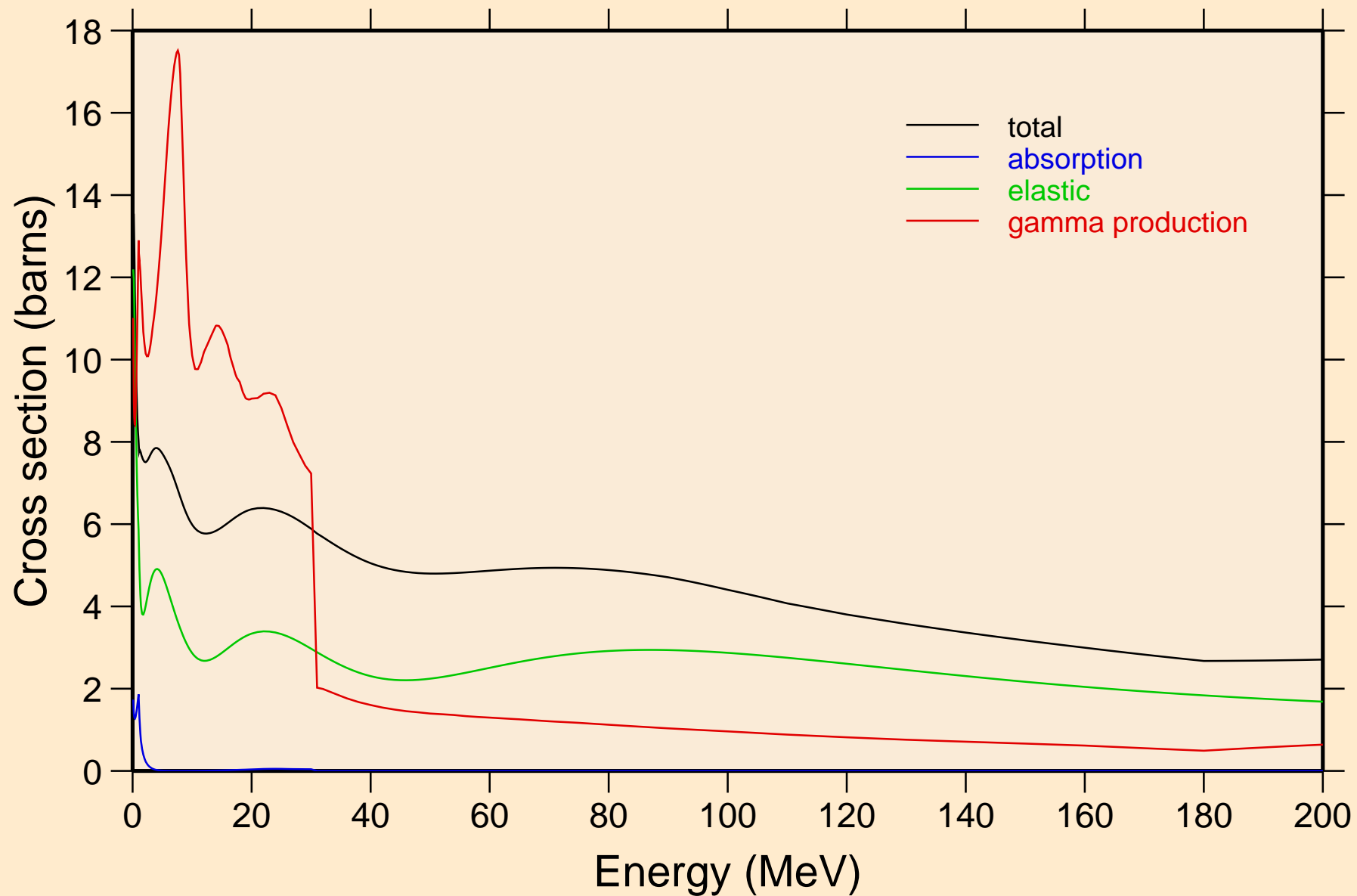
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



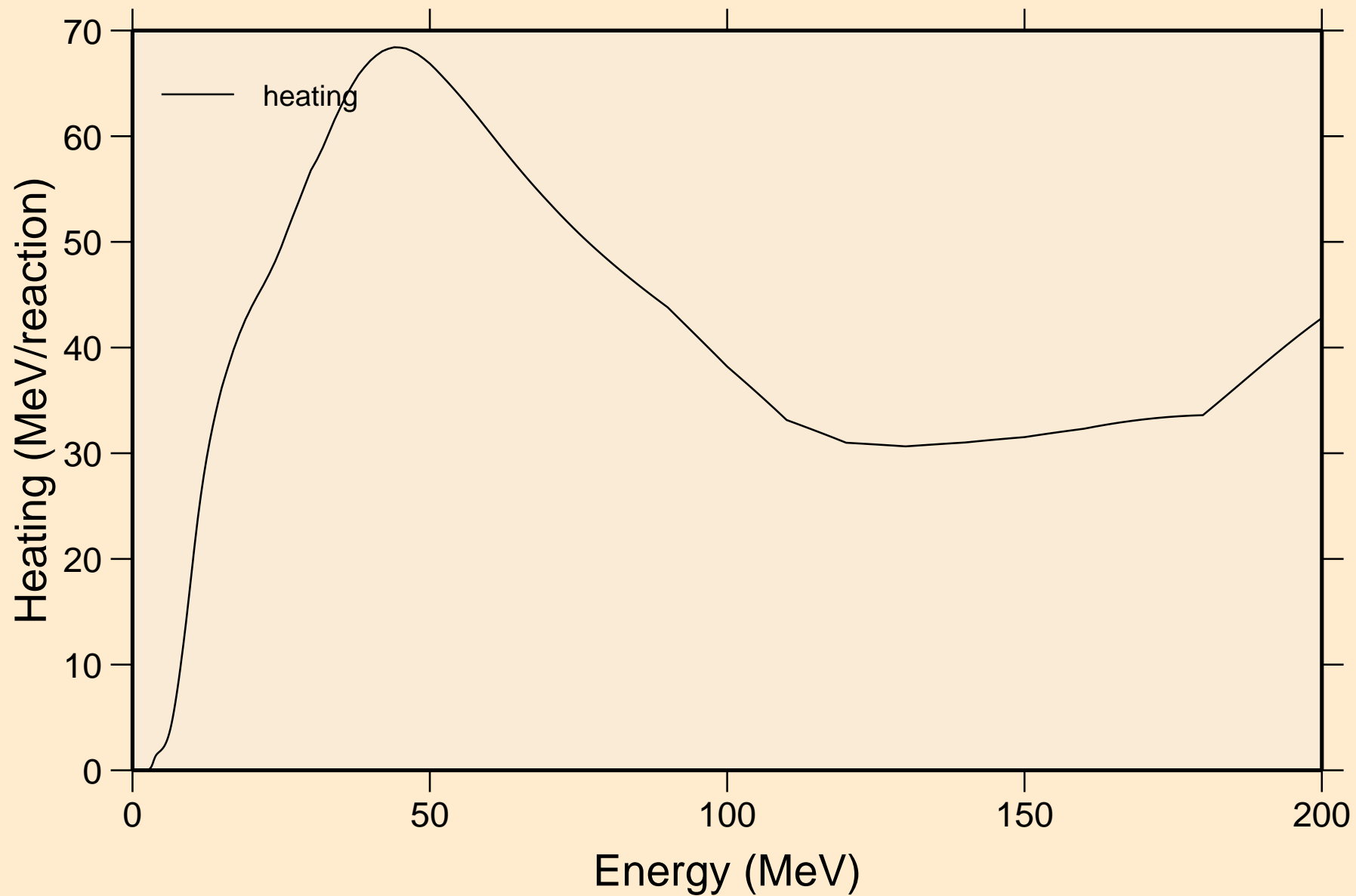
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



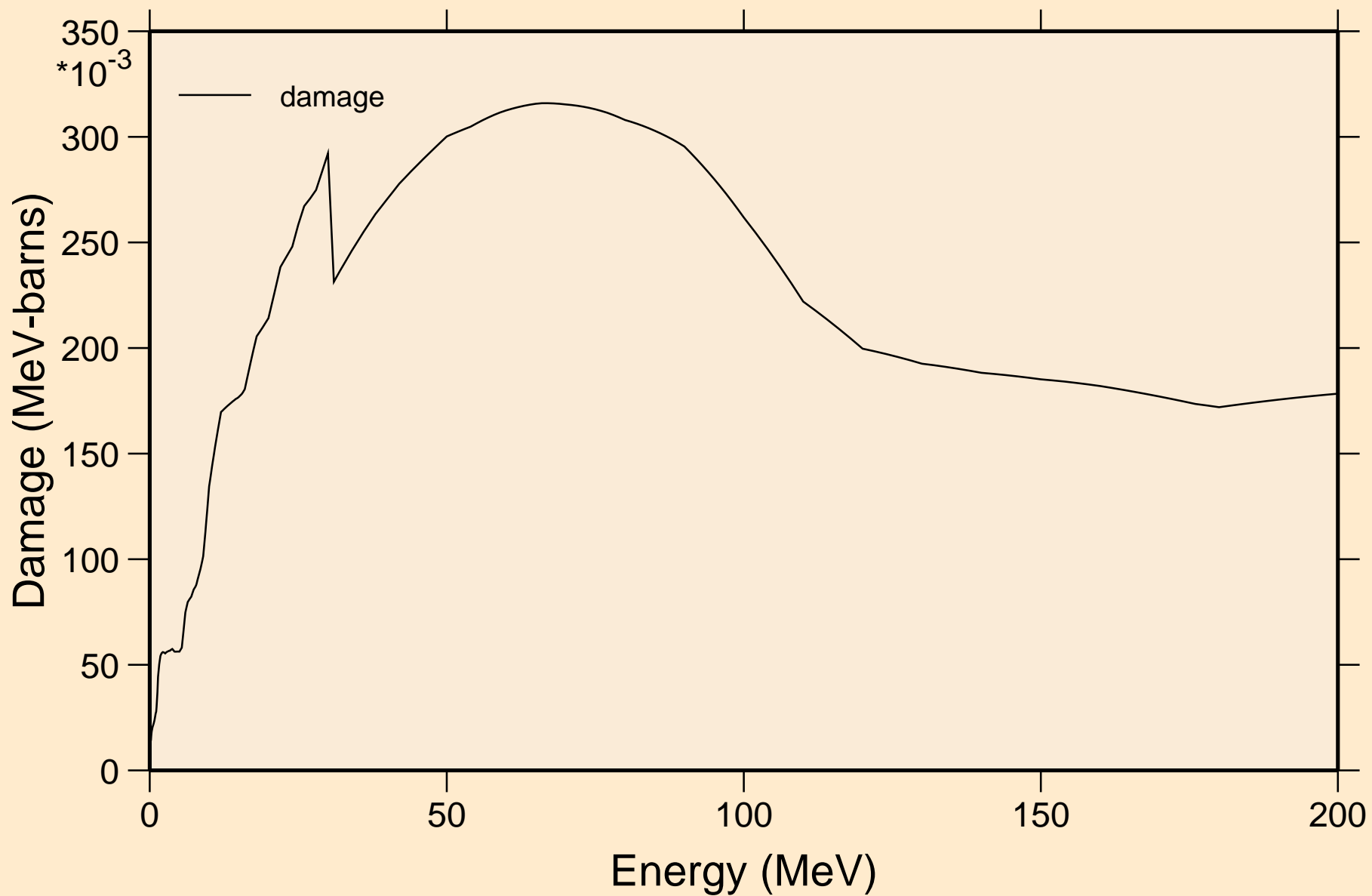
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

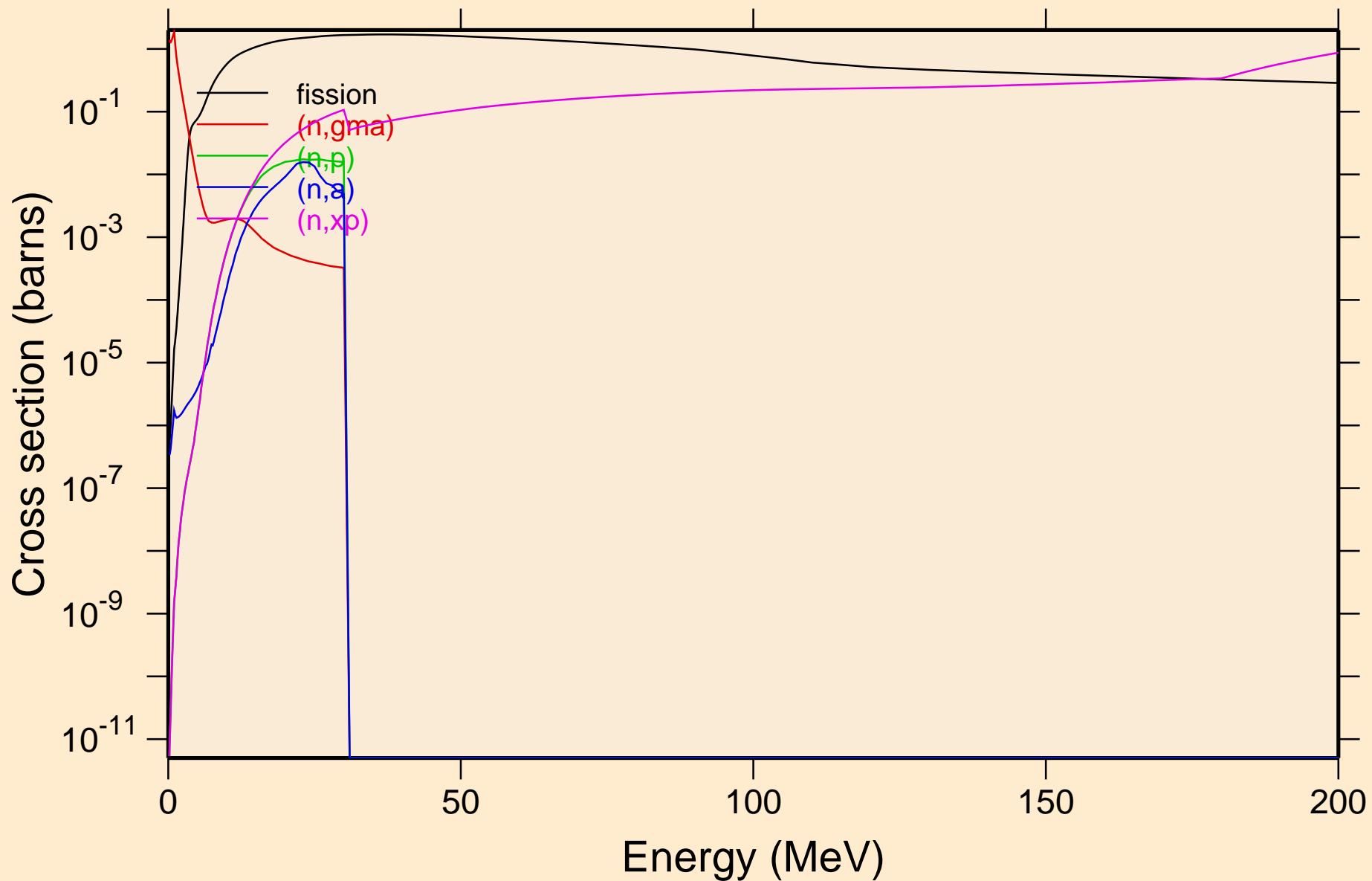


MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage

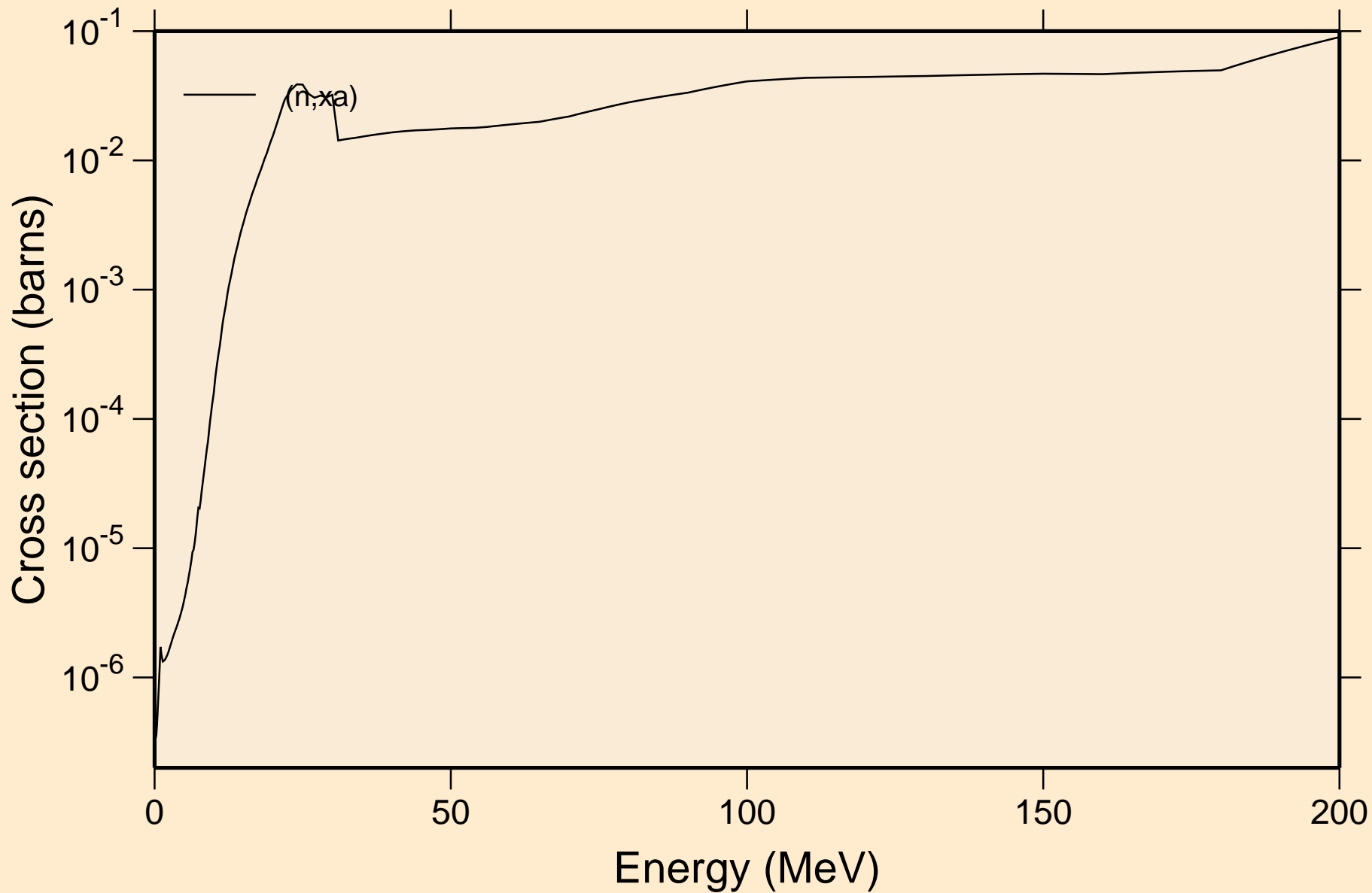




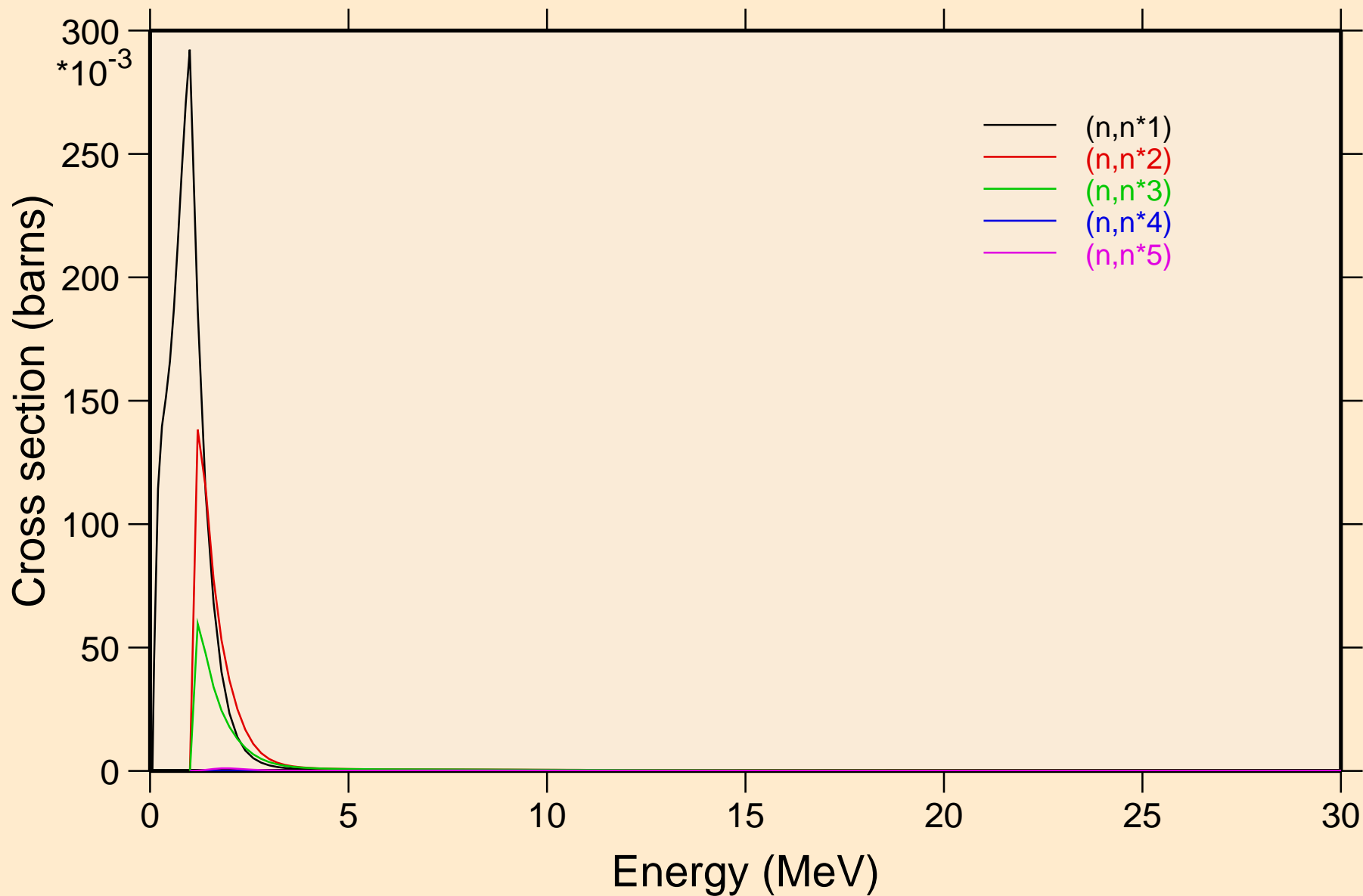
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



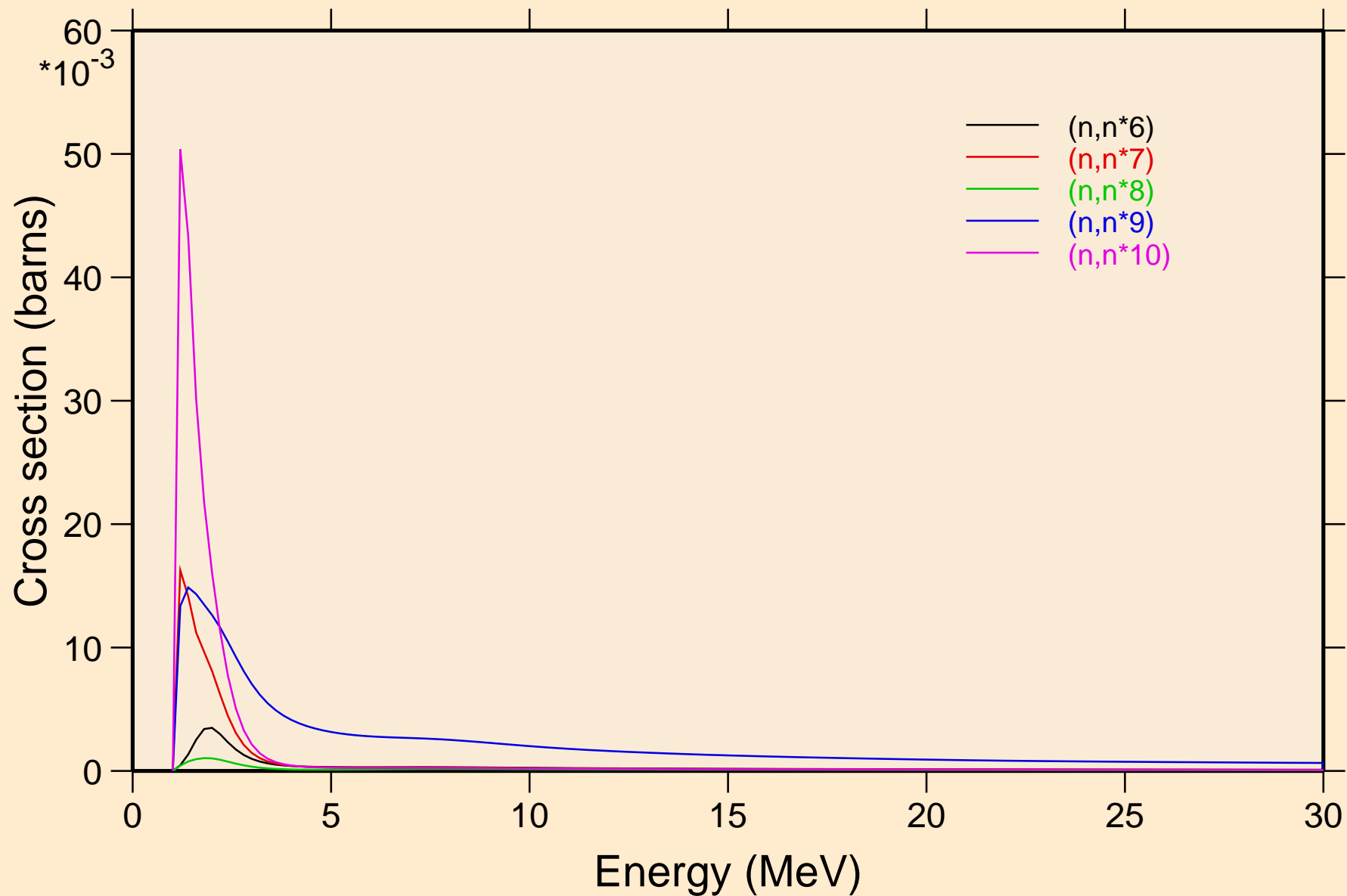
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



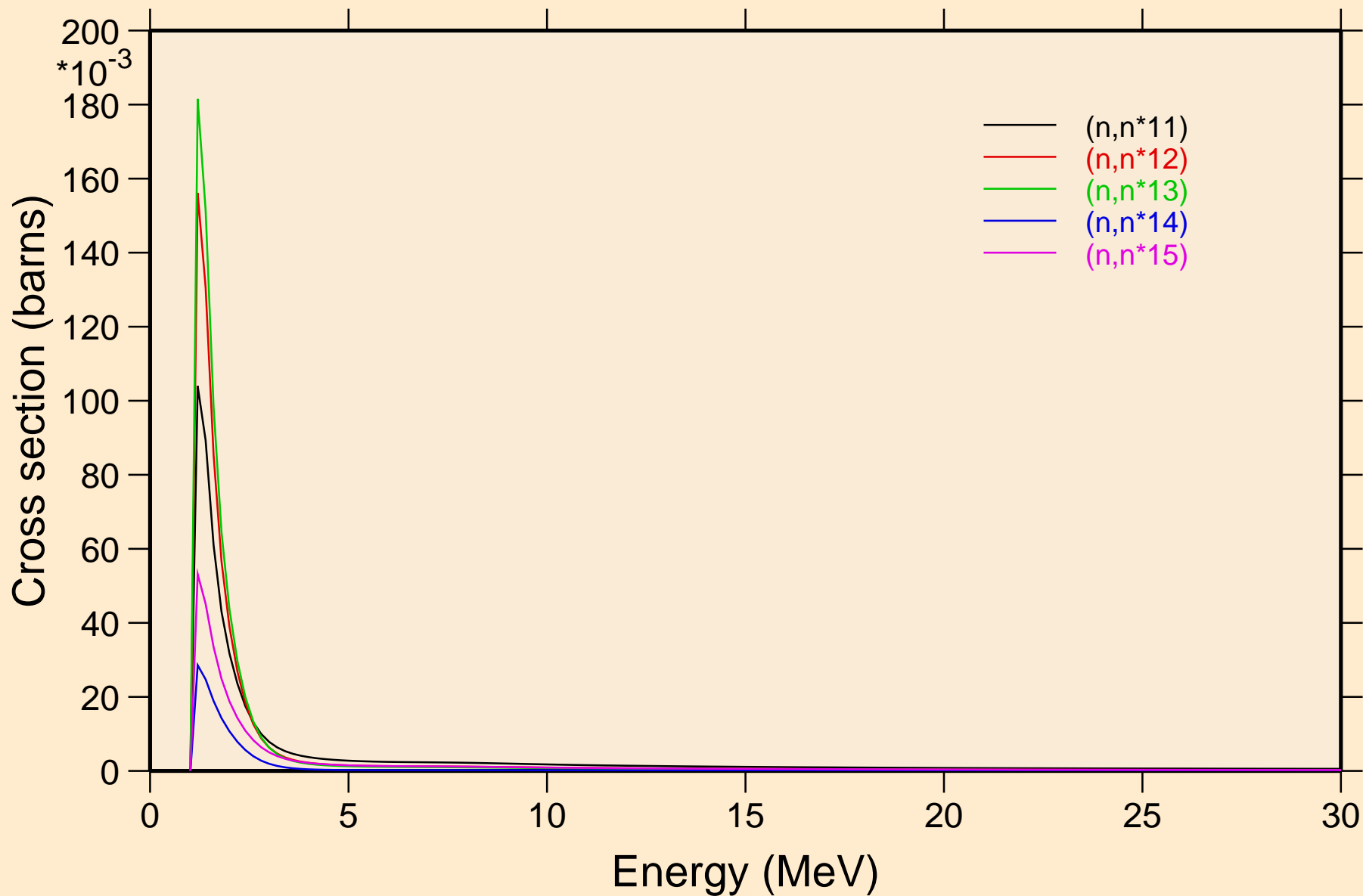
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



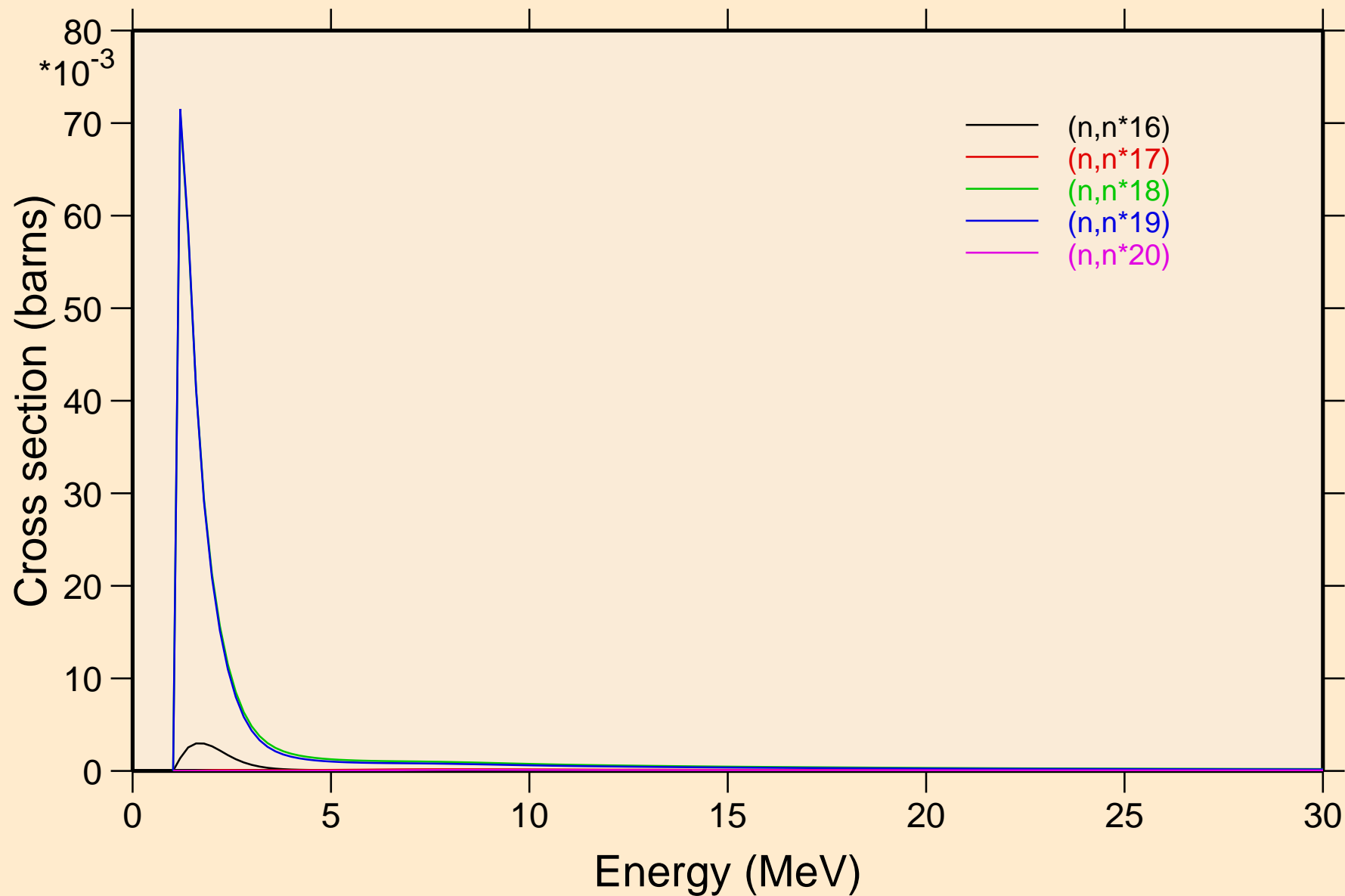
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



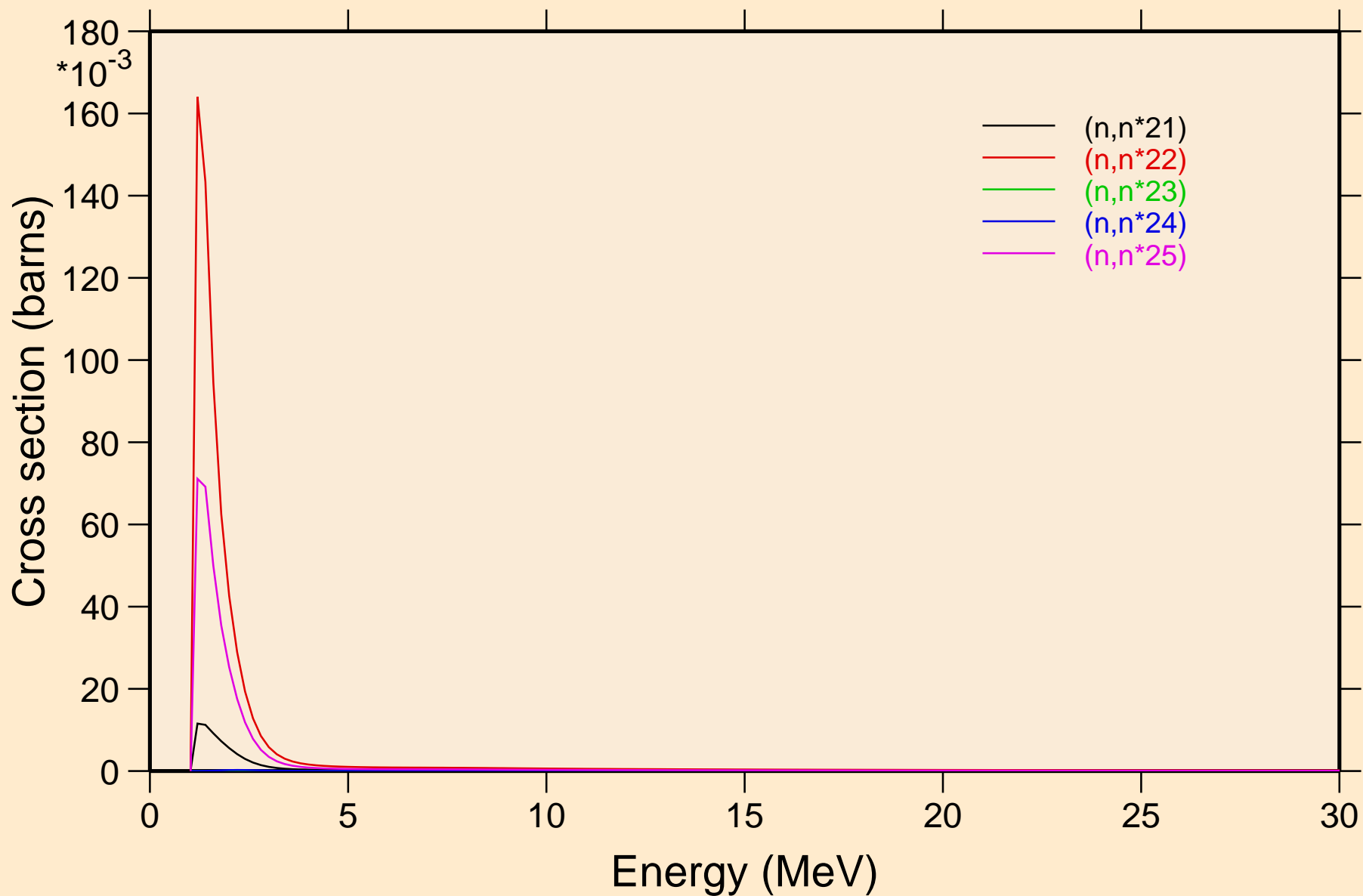
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



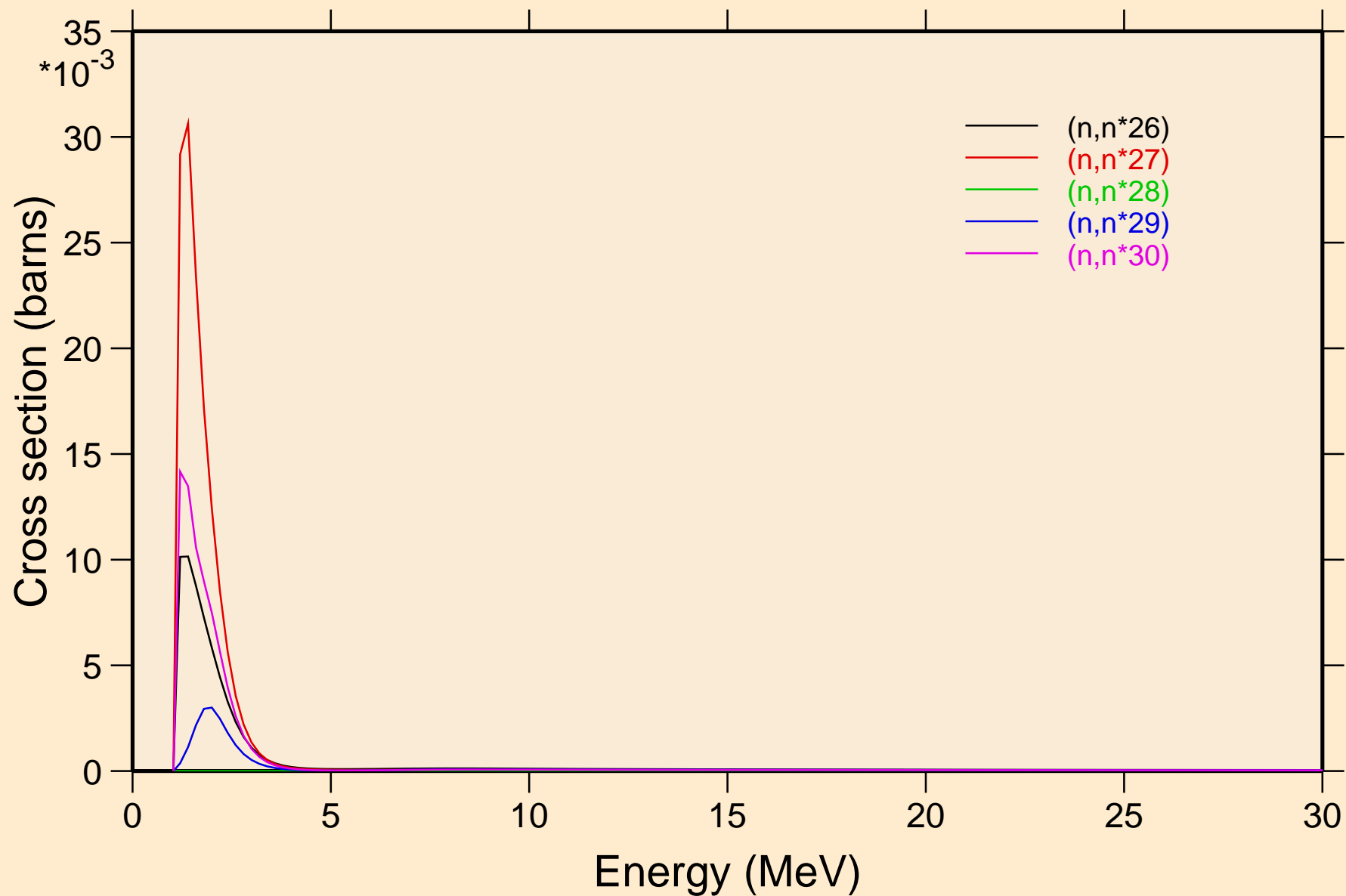
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

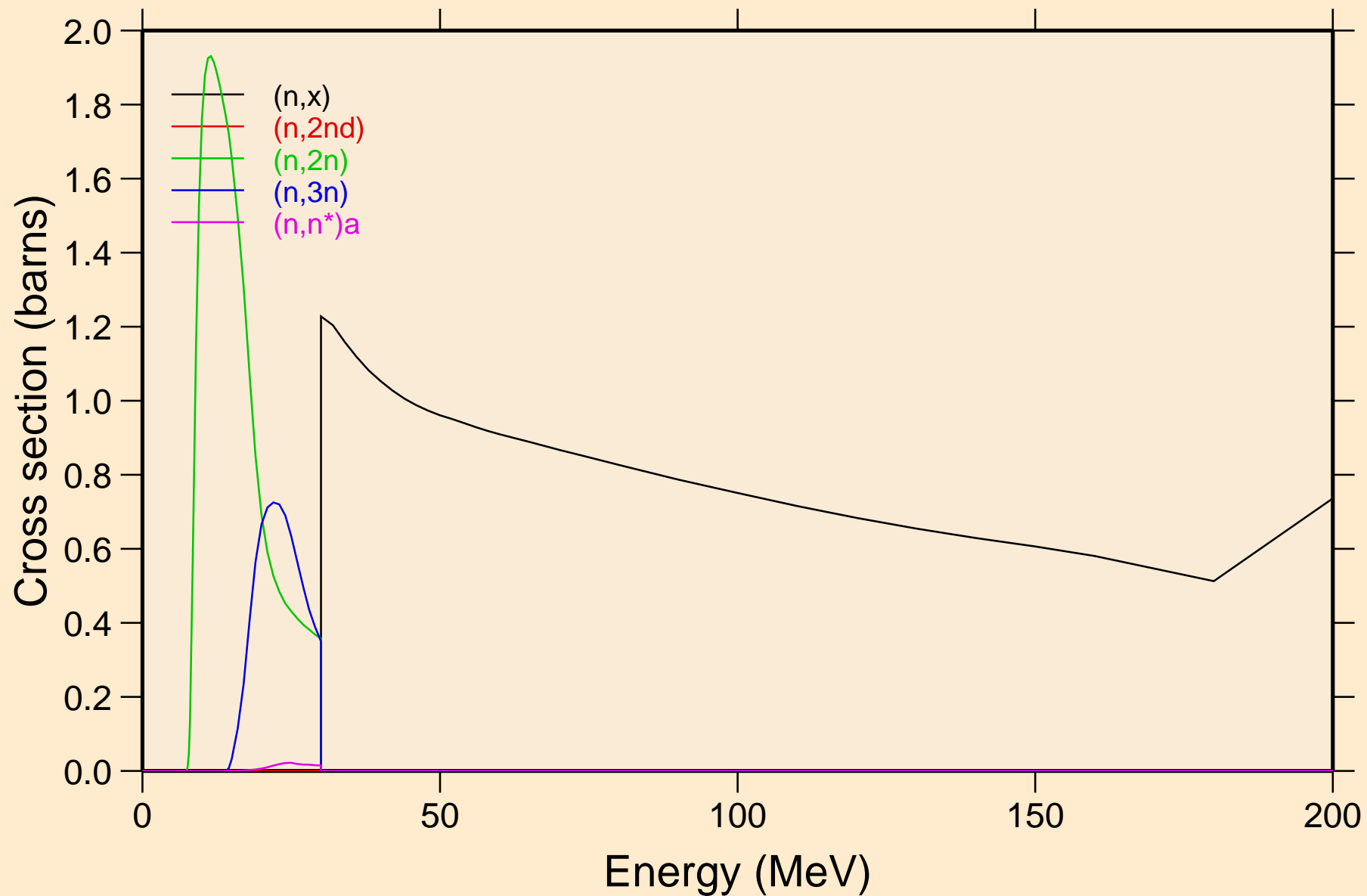


MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

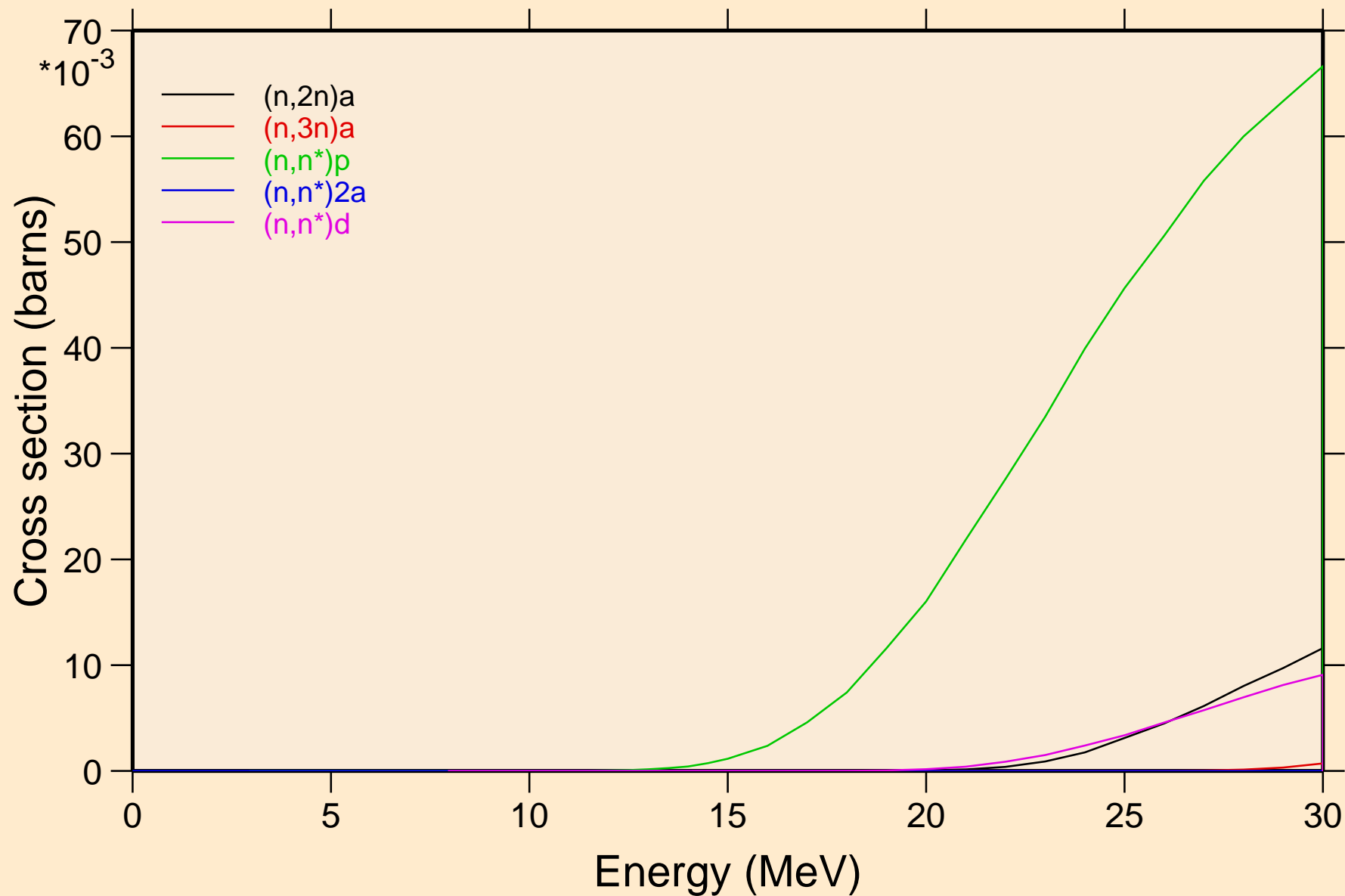




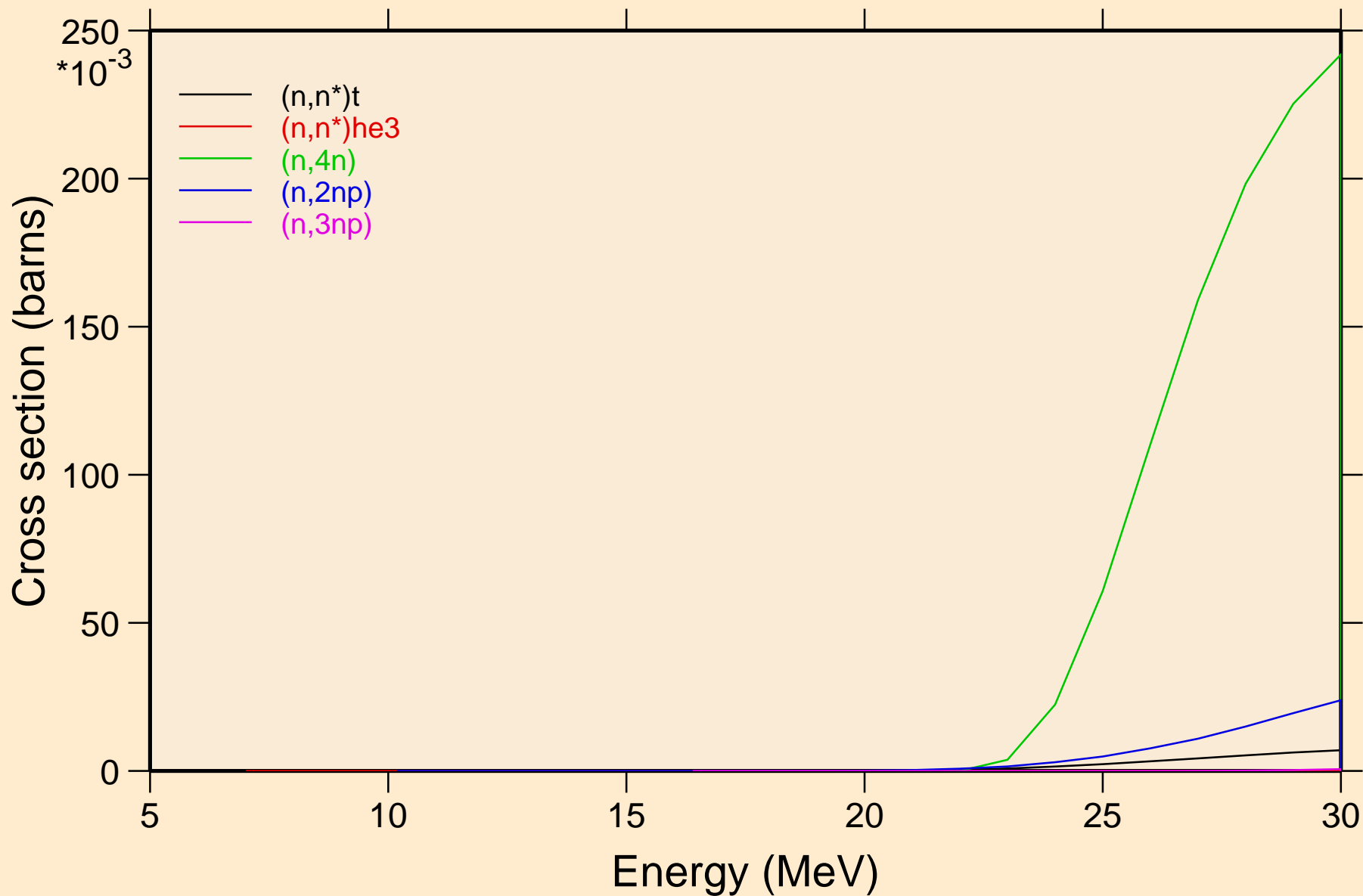
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



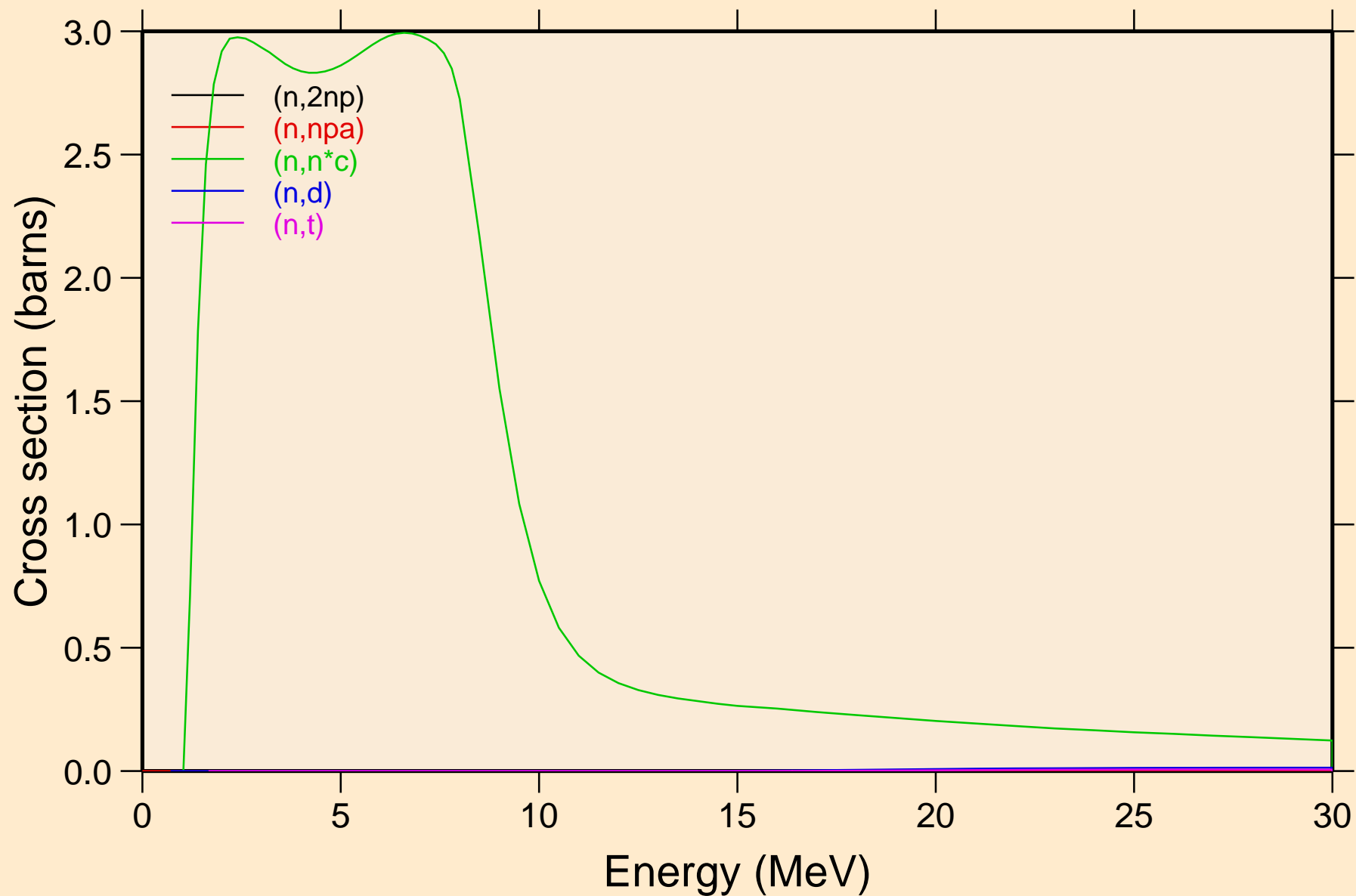
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



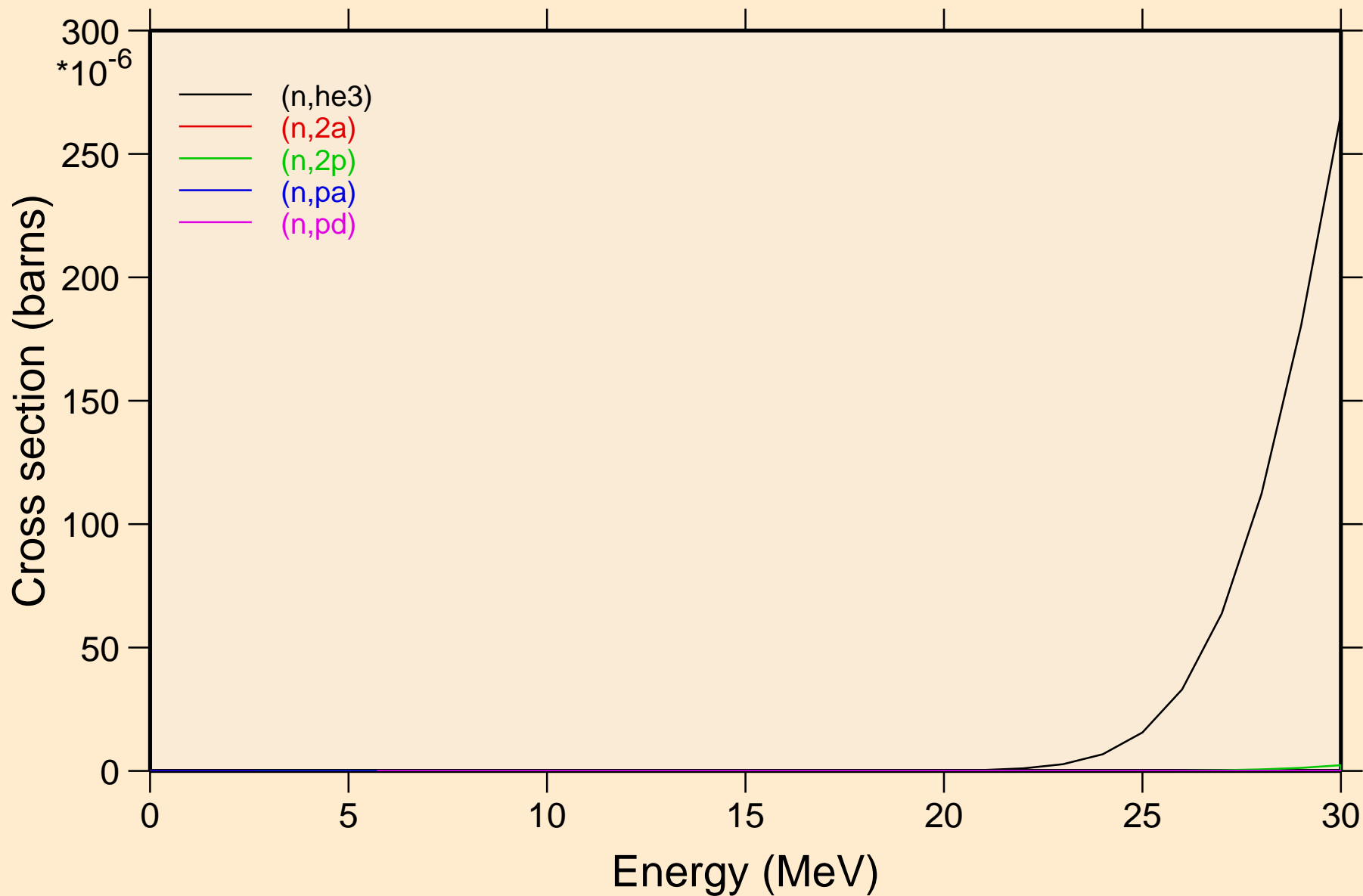
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



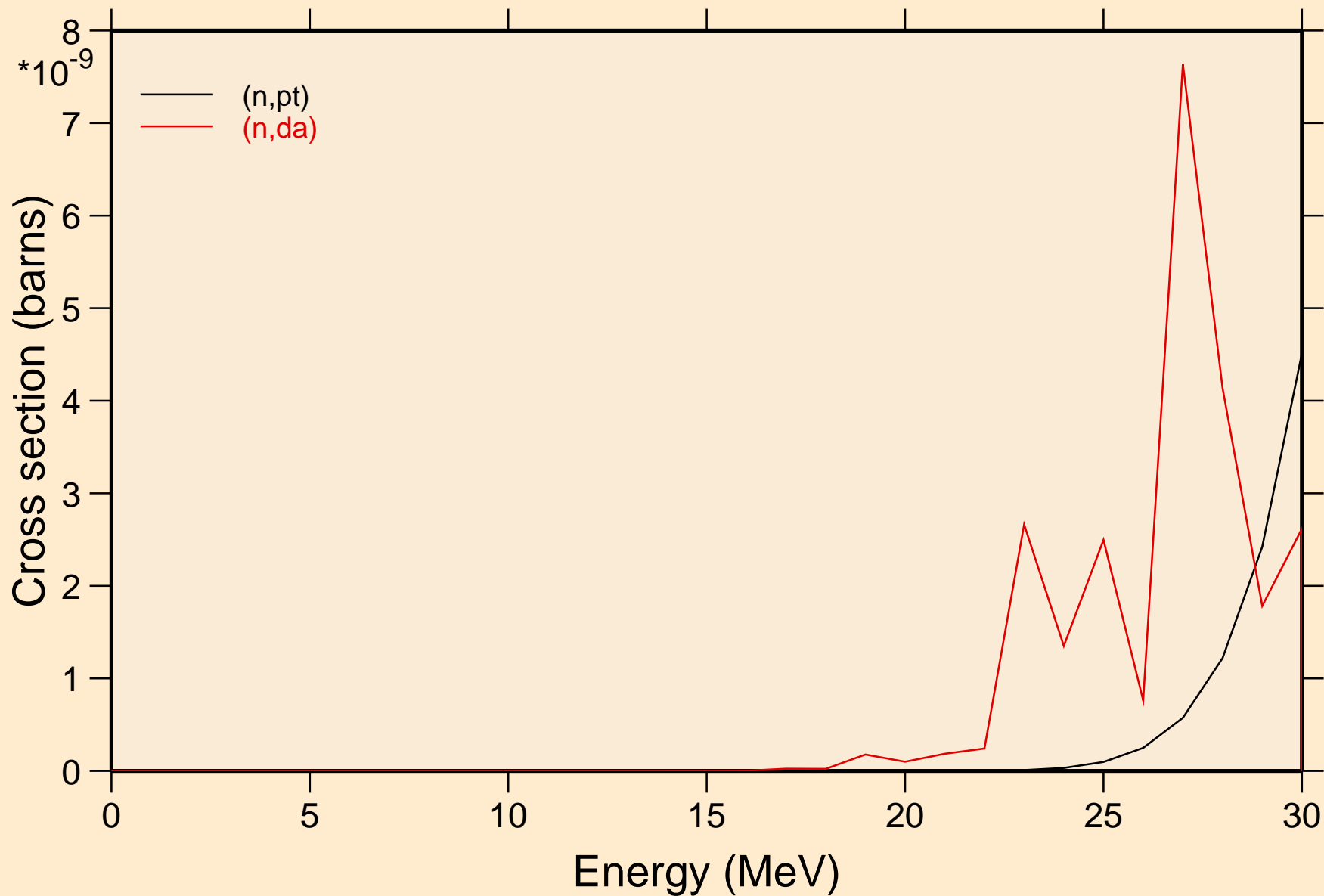
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



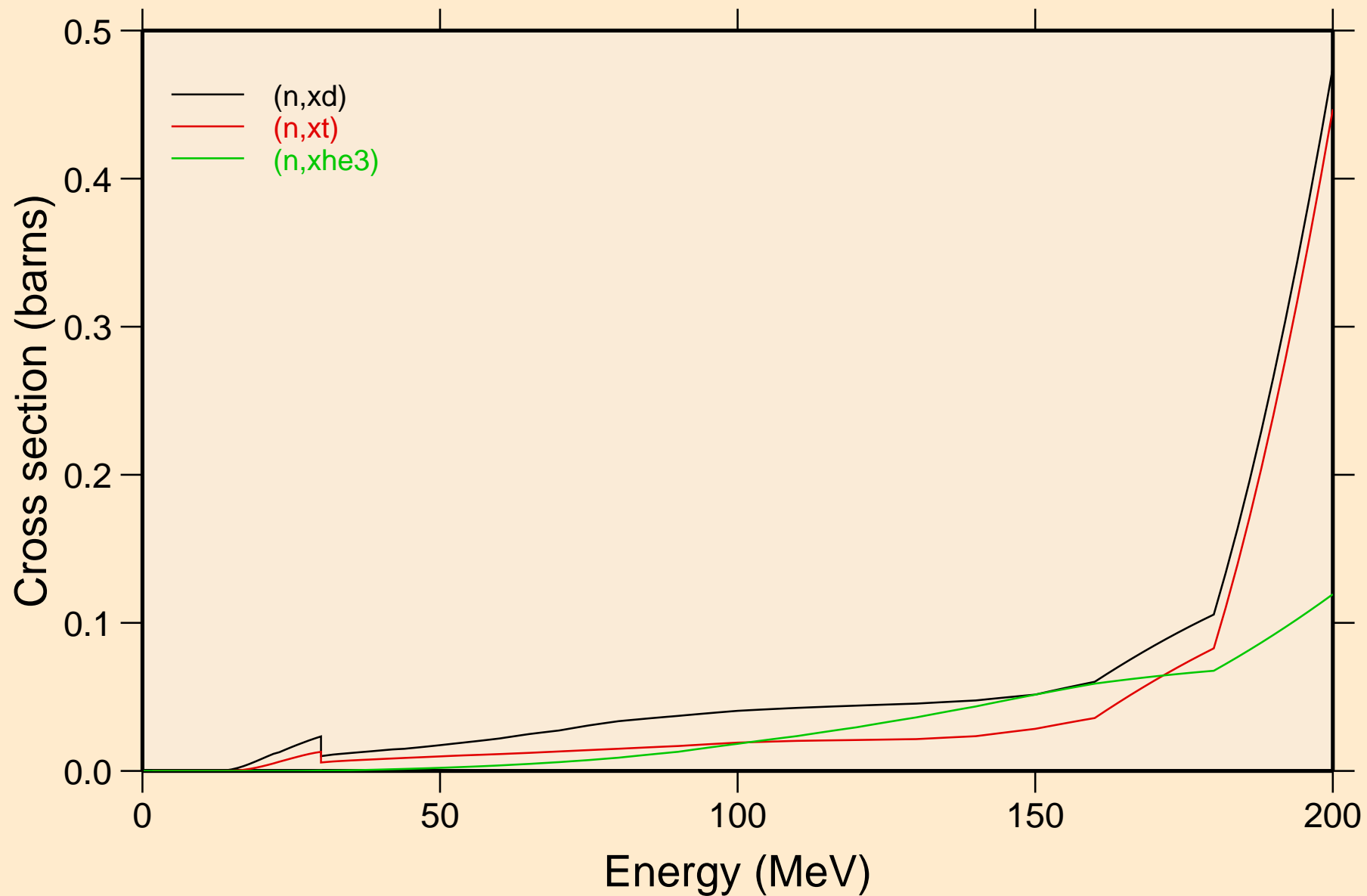
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



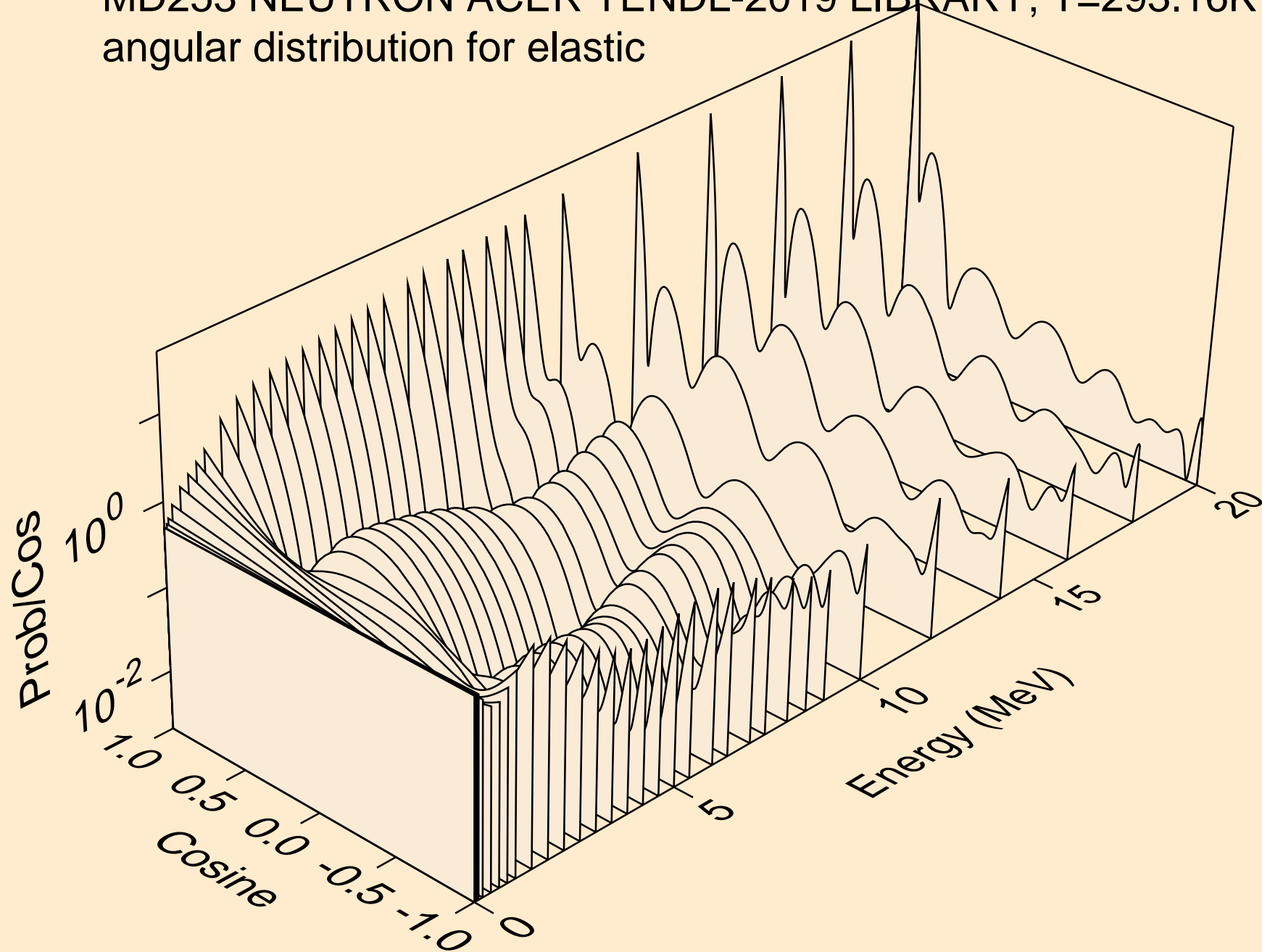
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

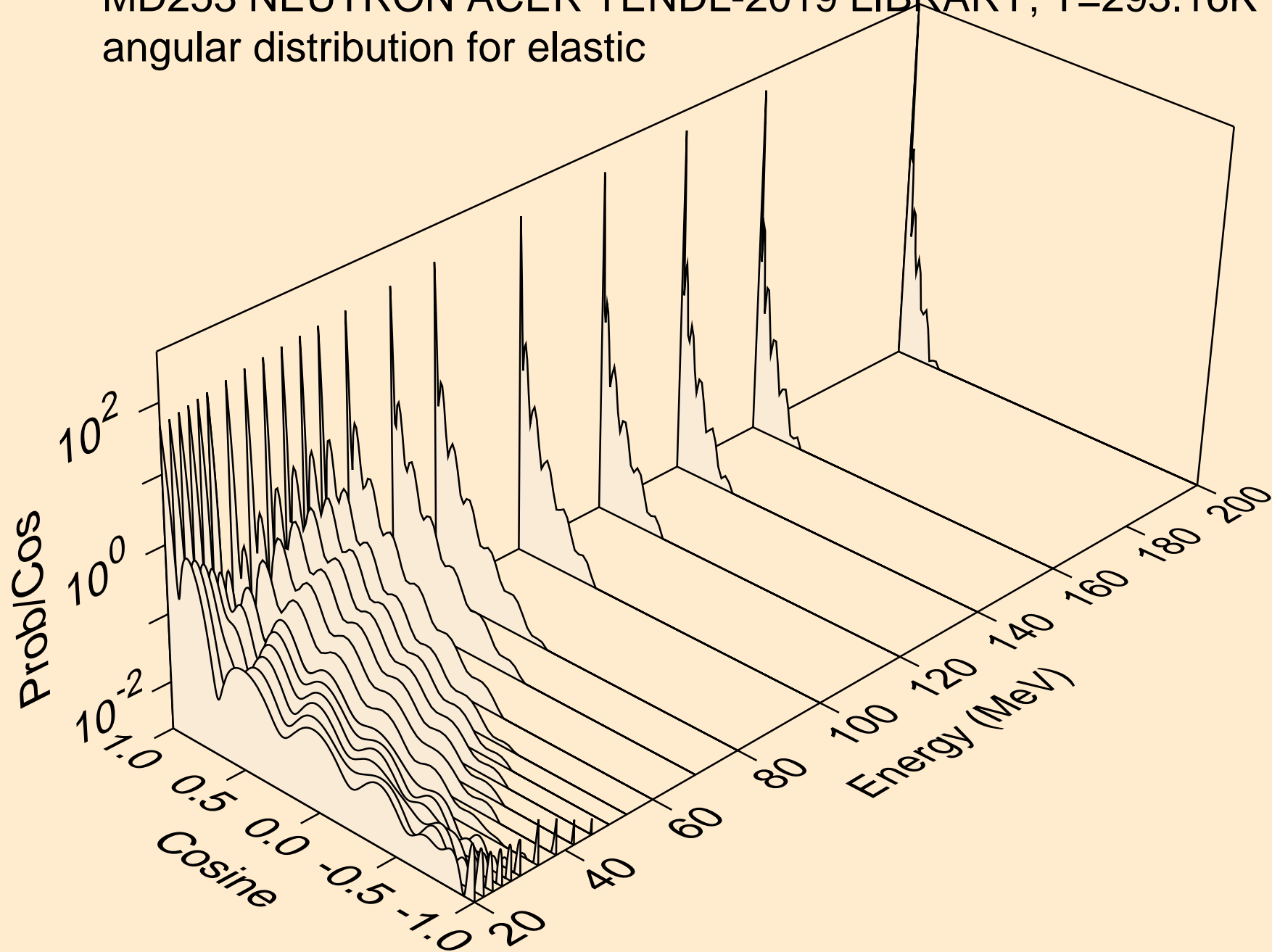


MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic

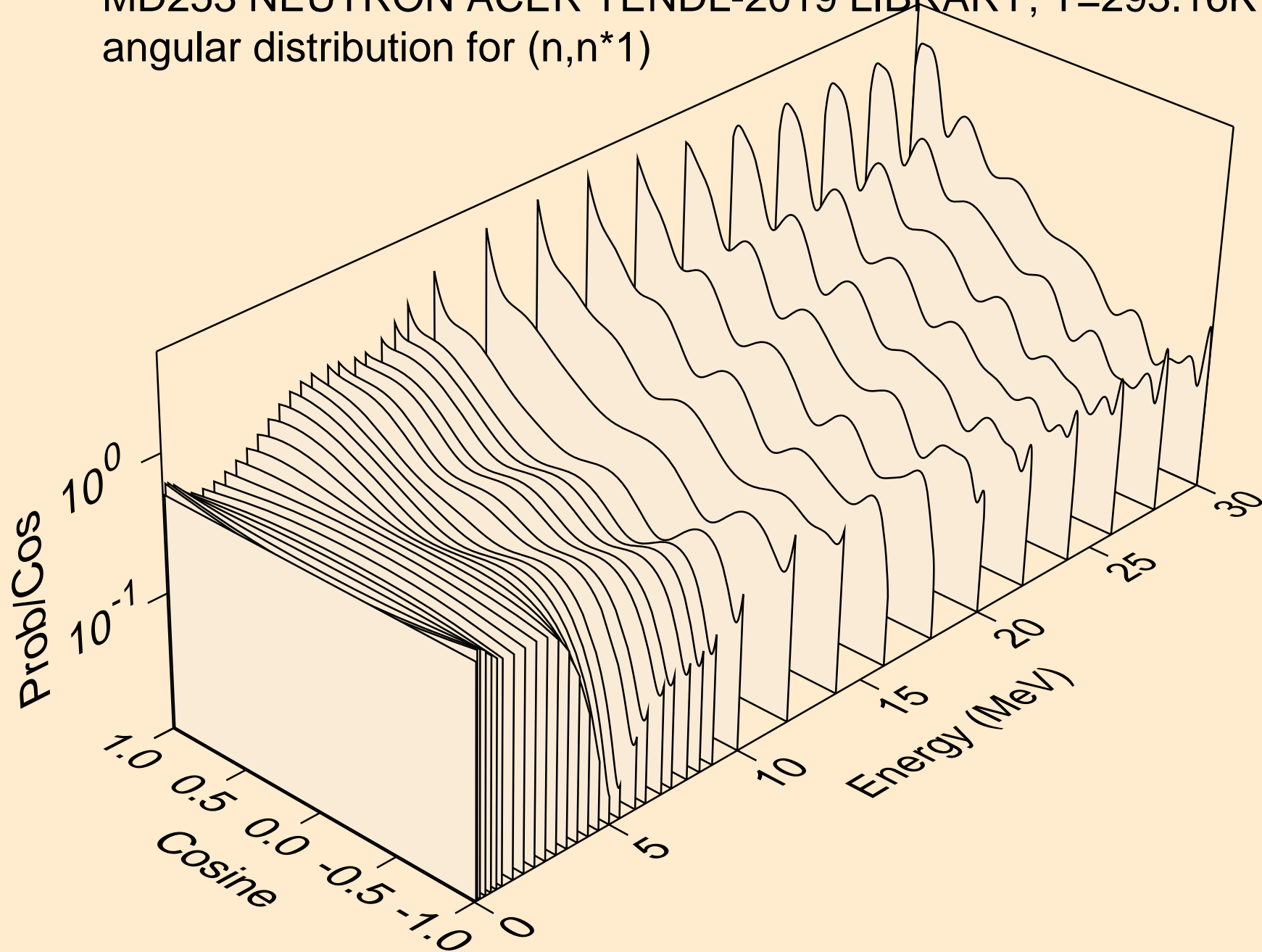




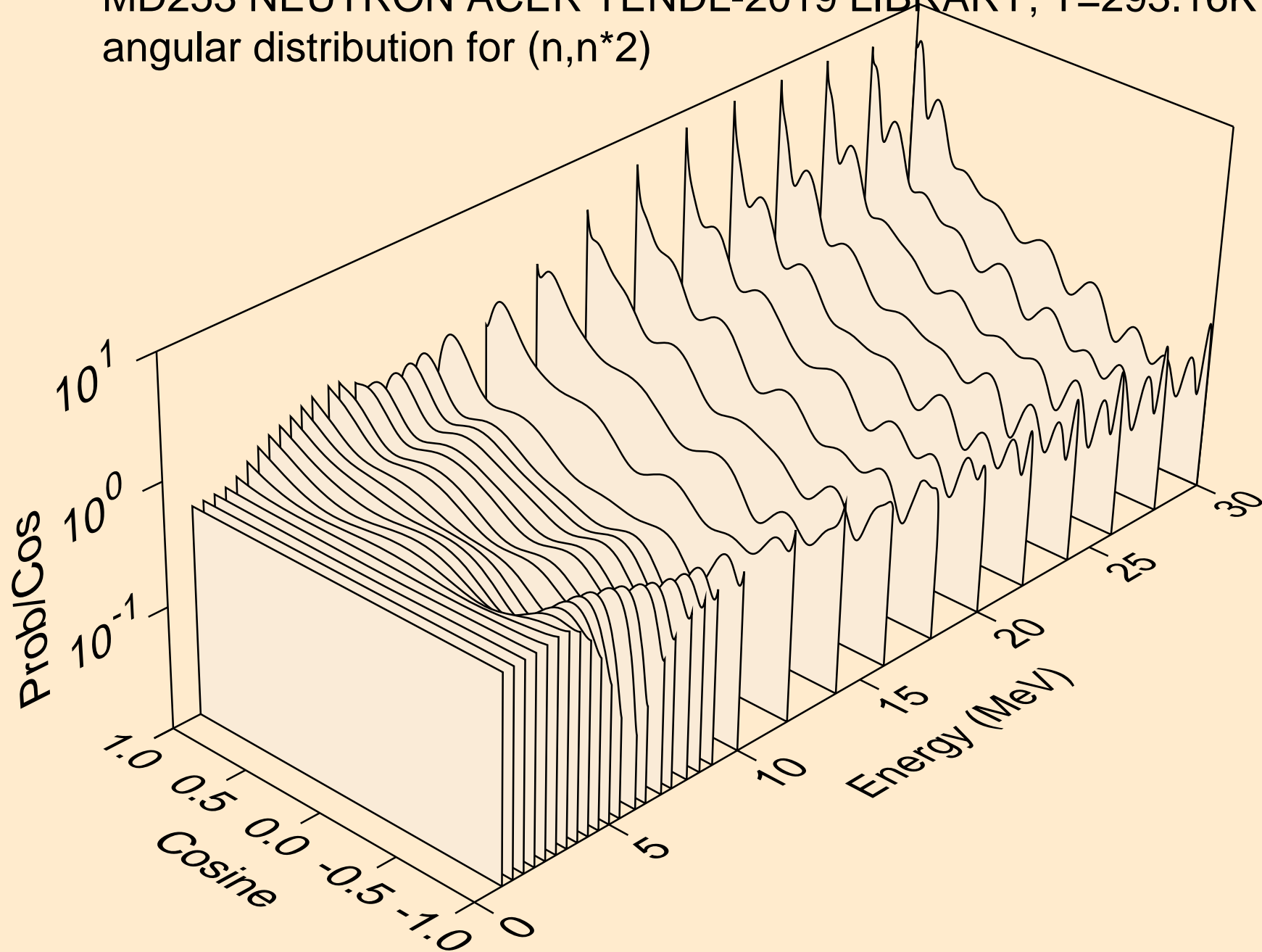
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angular distribution for elastic



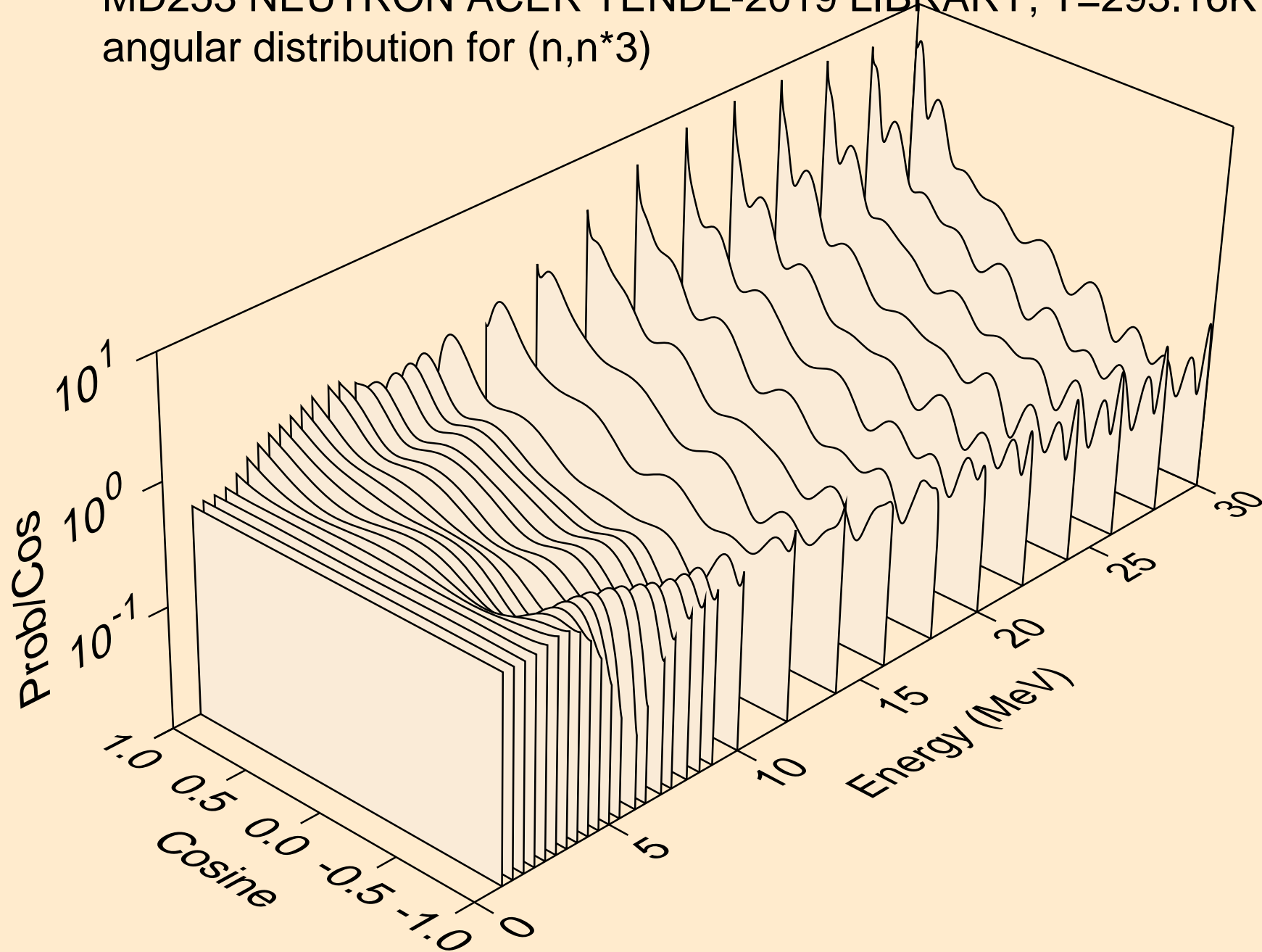
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angular distribution for (n,n\*1)



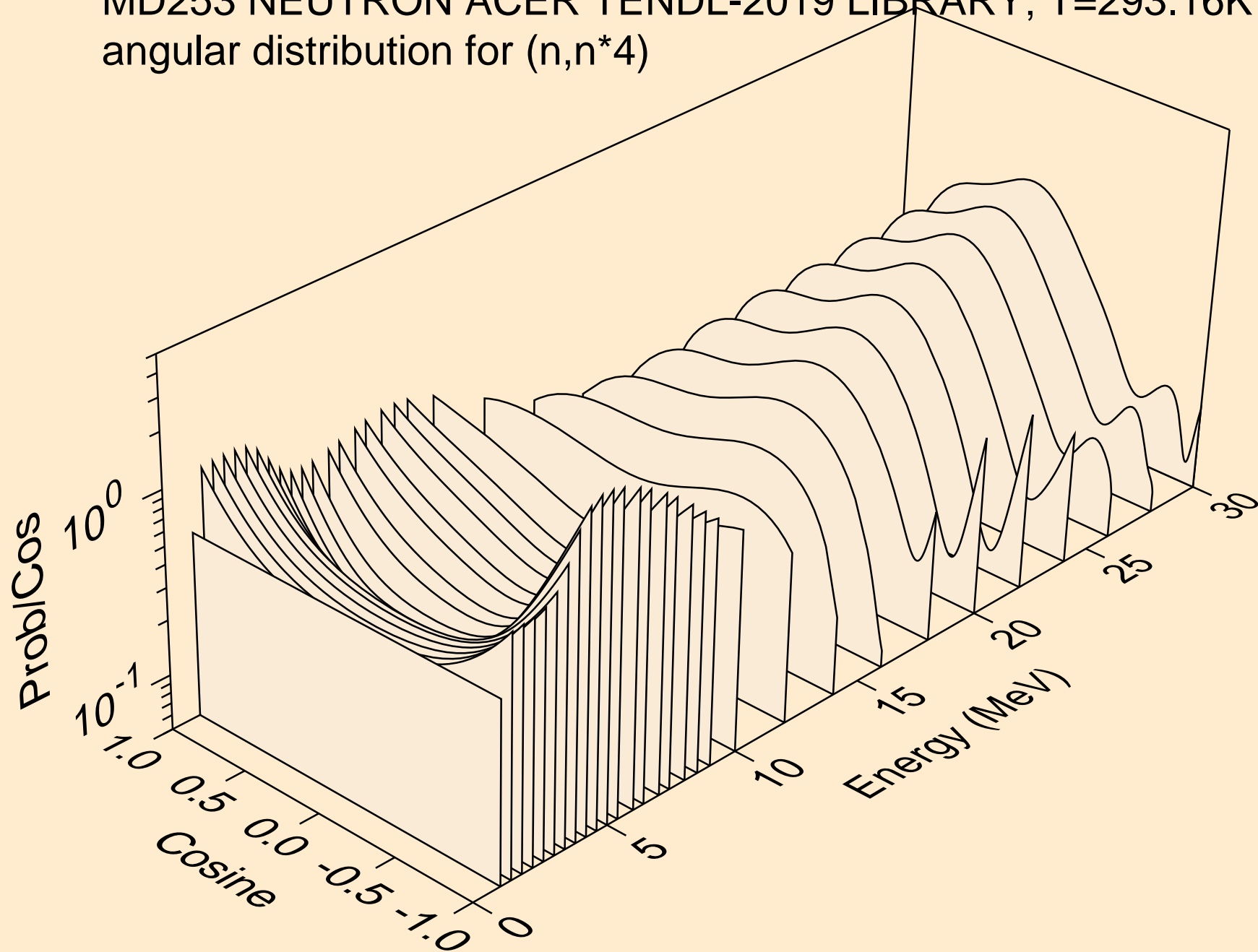
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angular distribution for (n,n\*2)



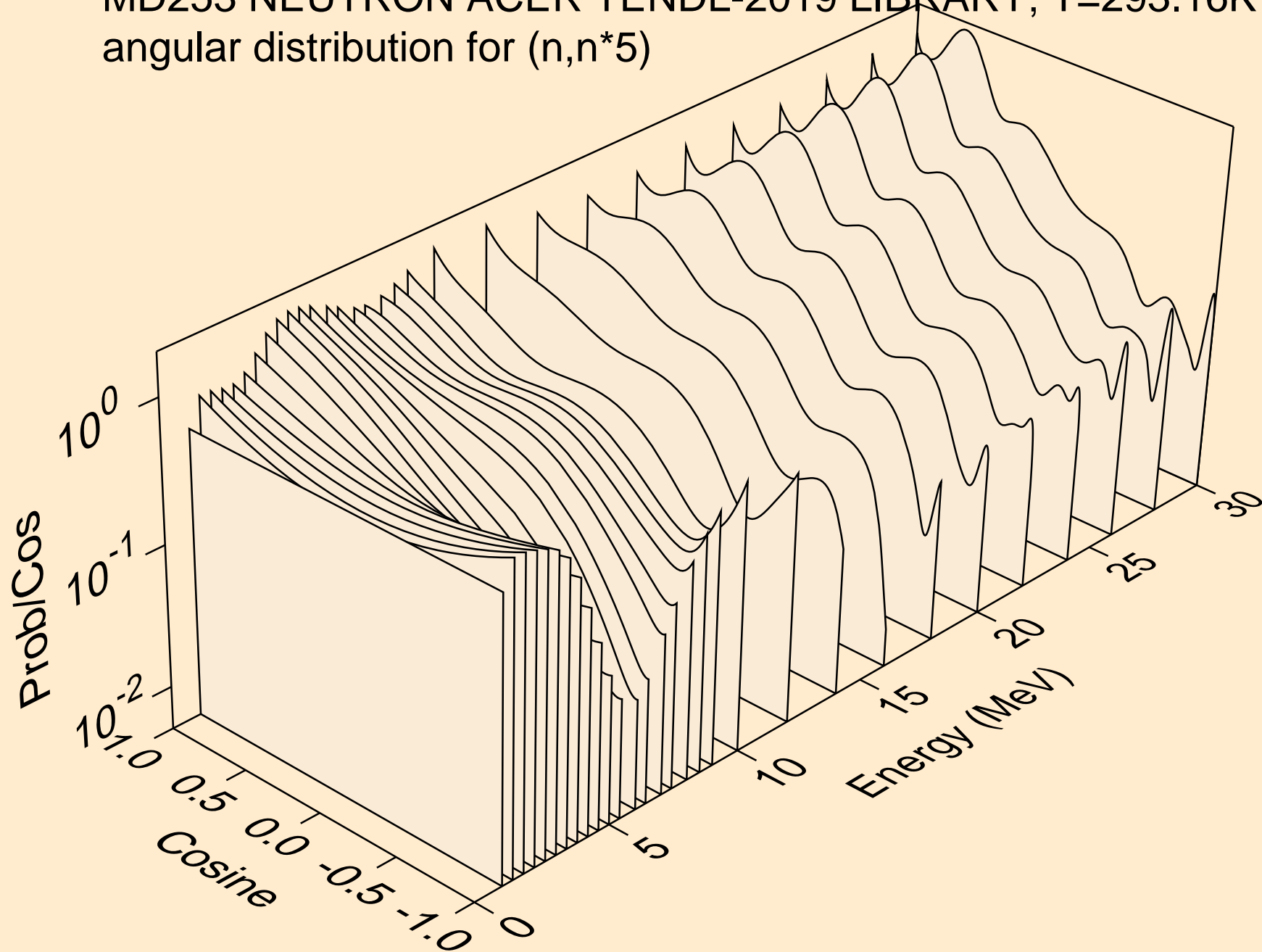
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angular distribution for (n,n\*3)



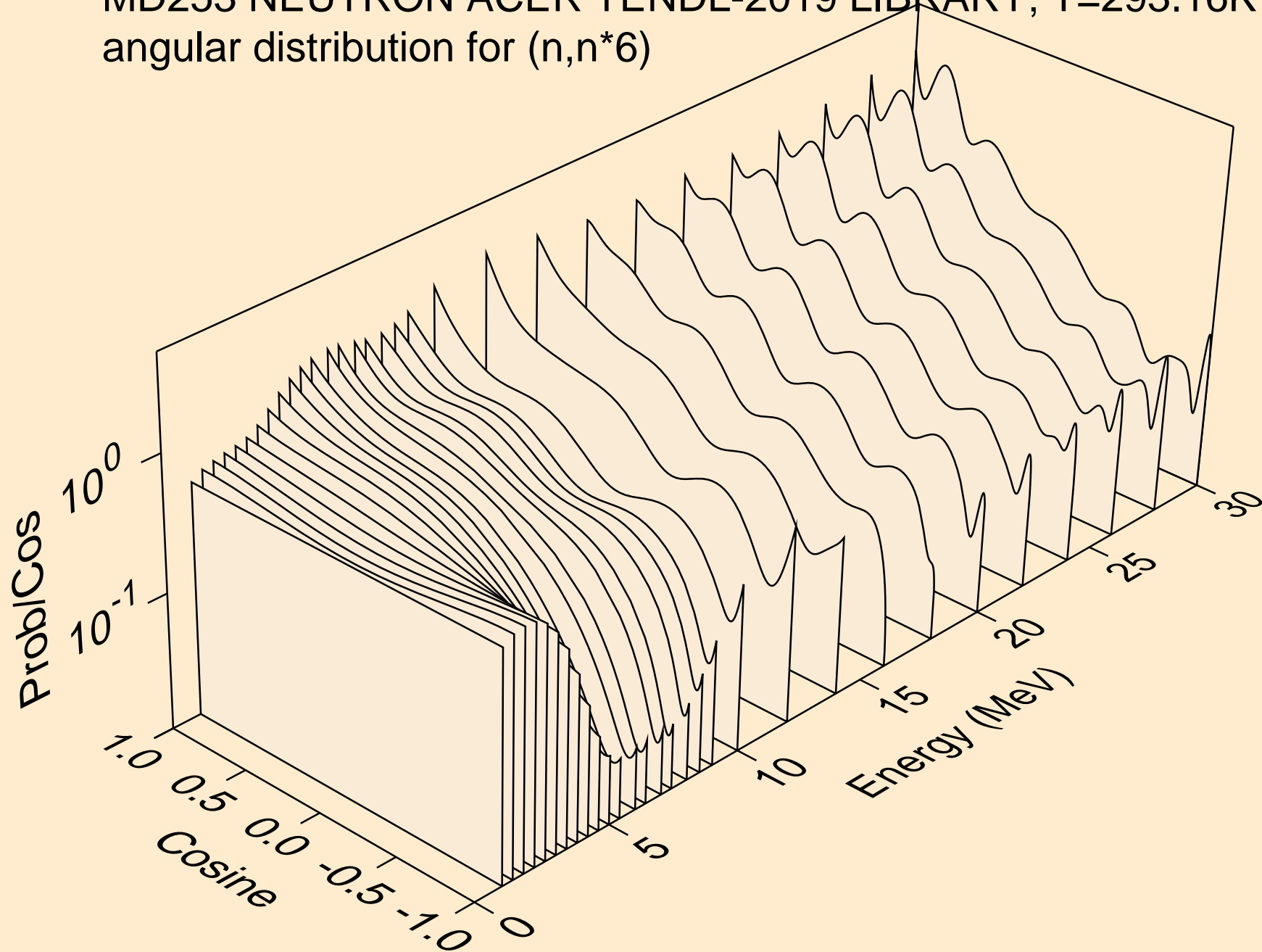
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angular distribution for (n,n\*4)



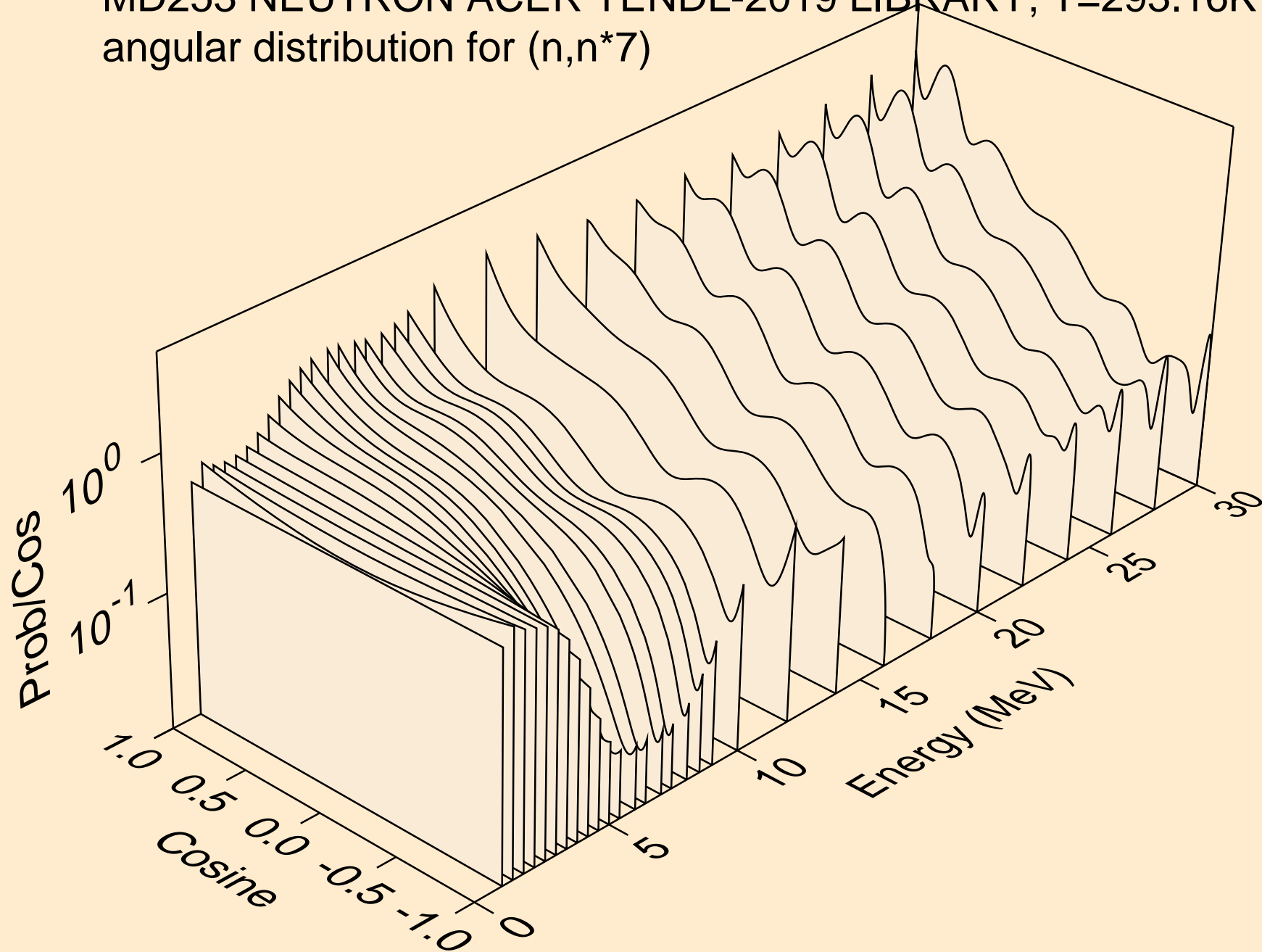
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*5)



MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*6)

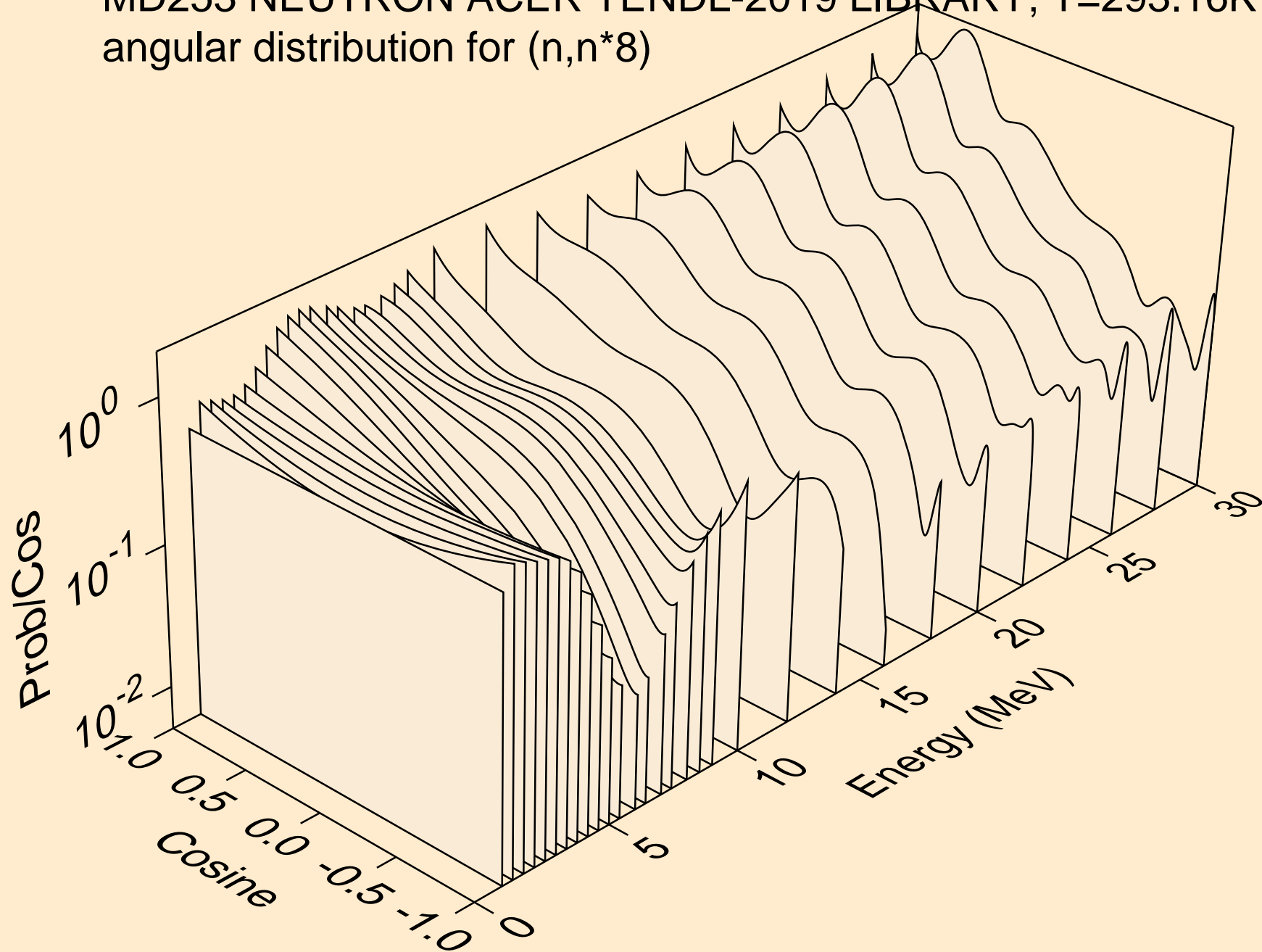


MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*7)

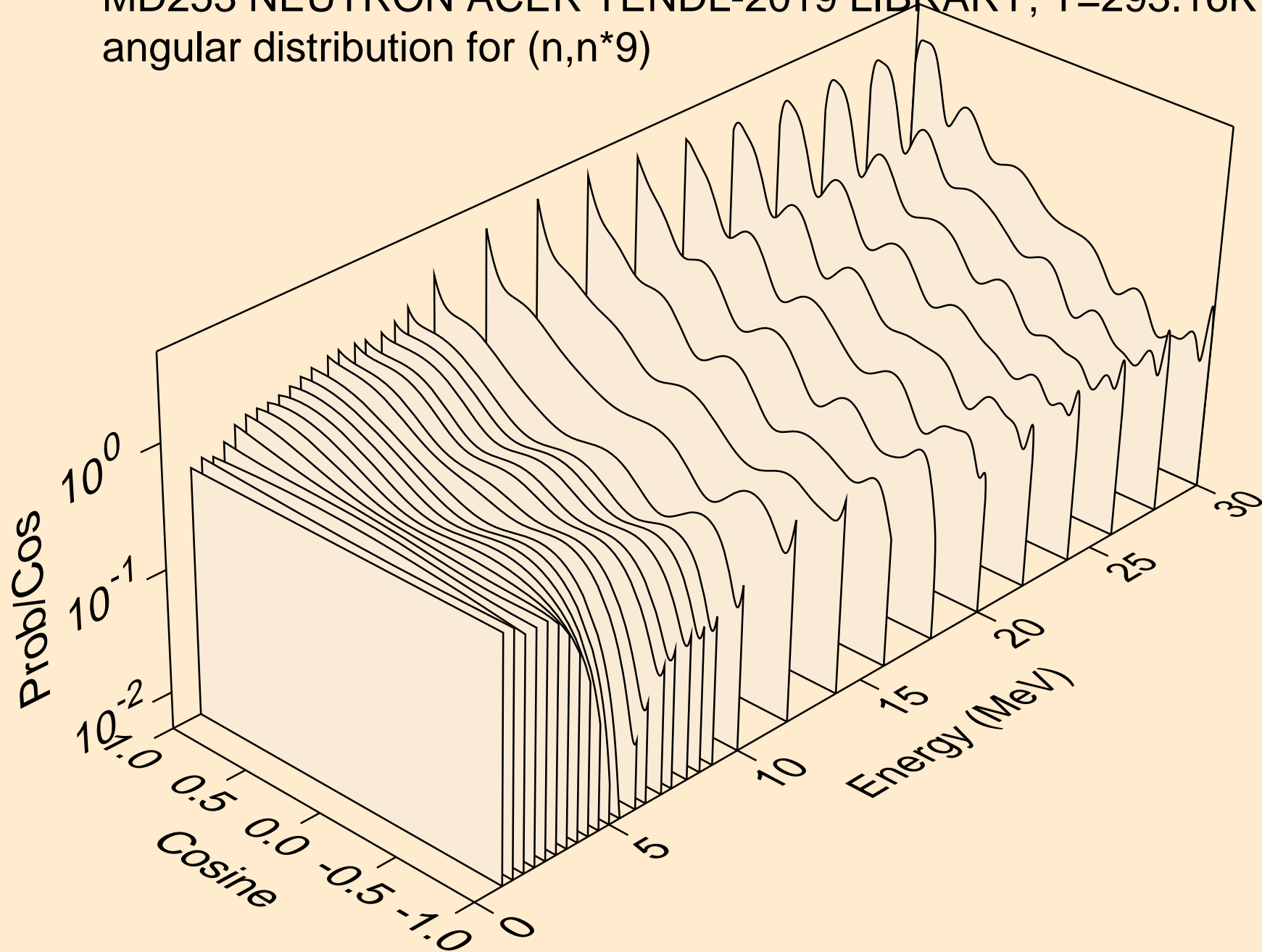




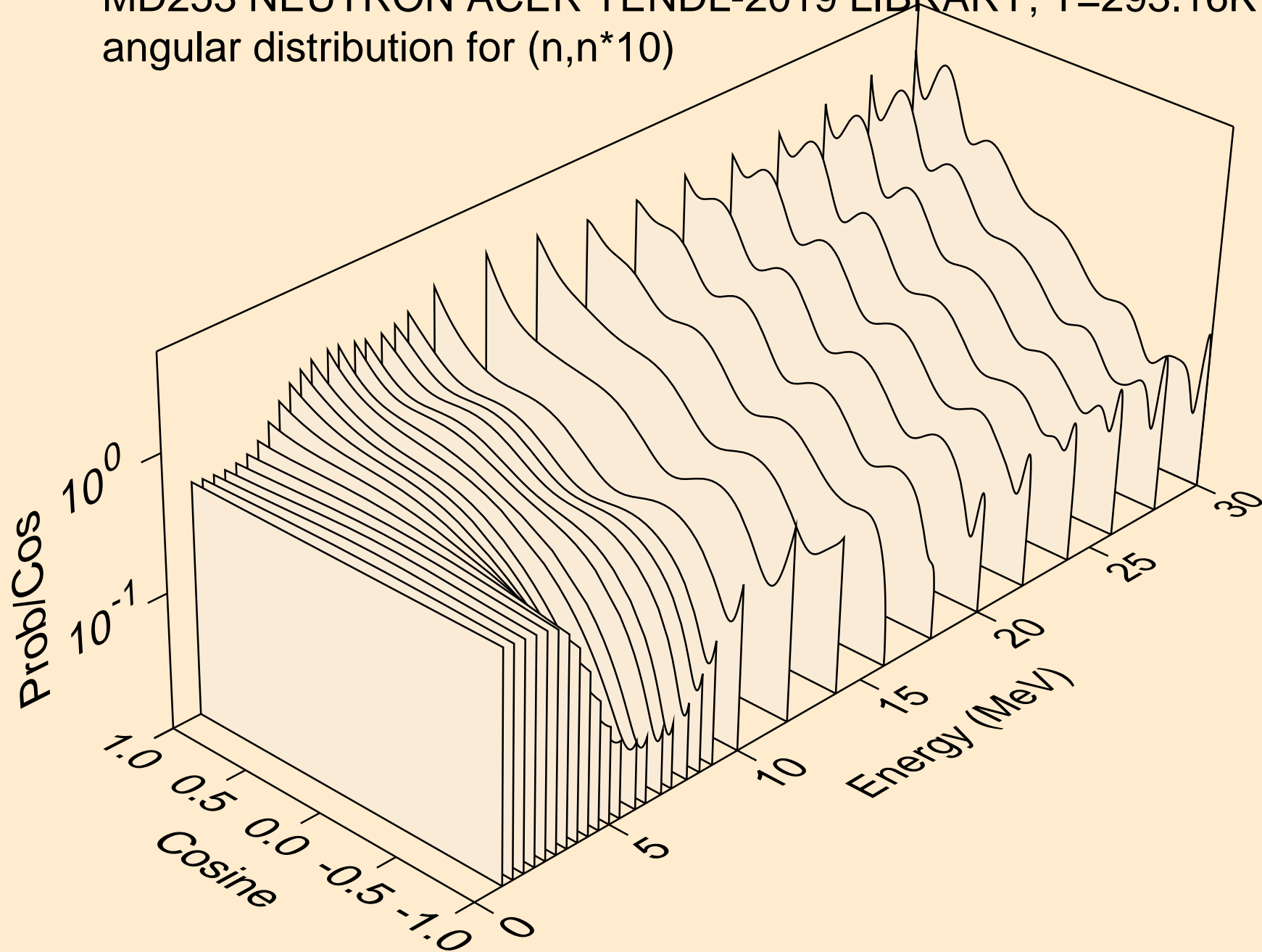
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*8)



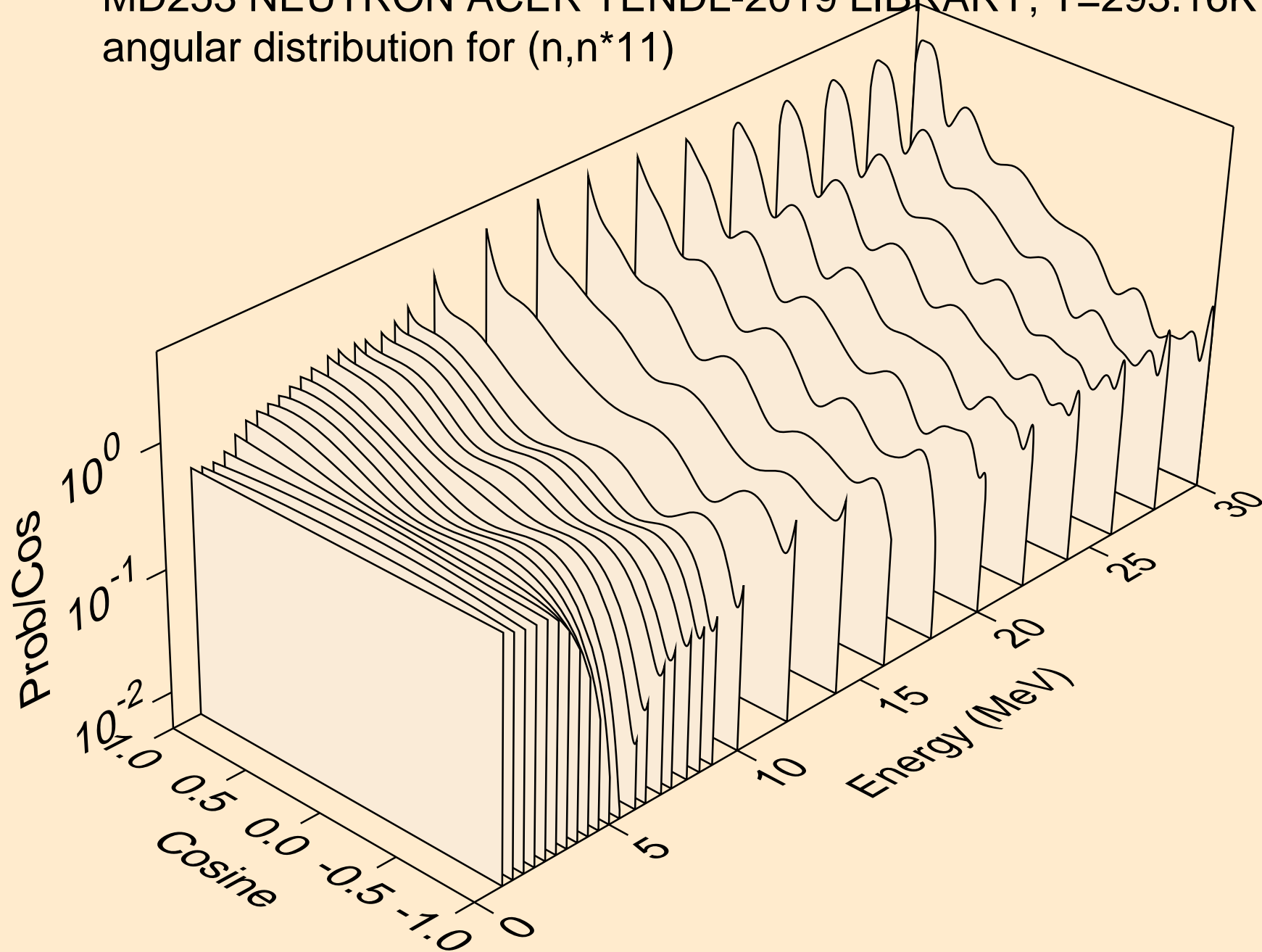
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*9)



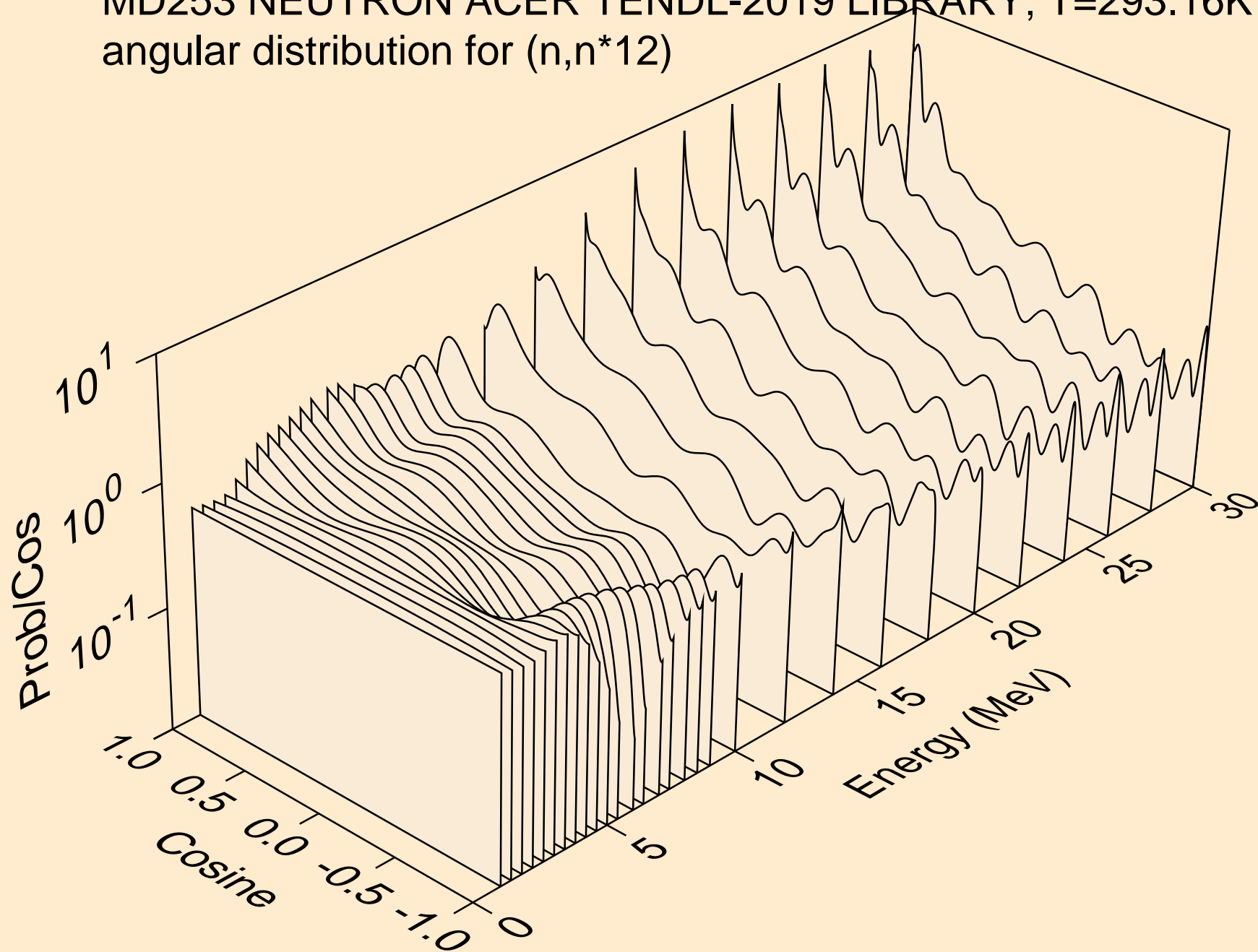
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angular distribution for (n,n\*10)



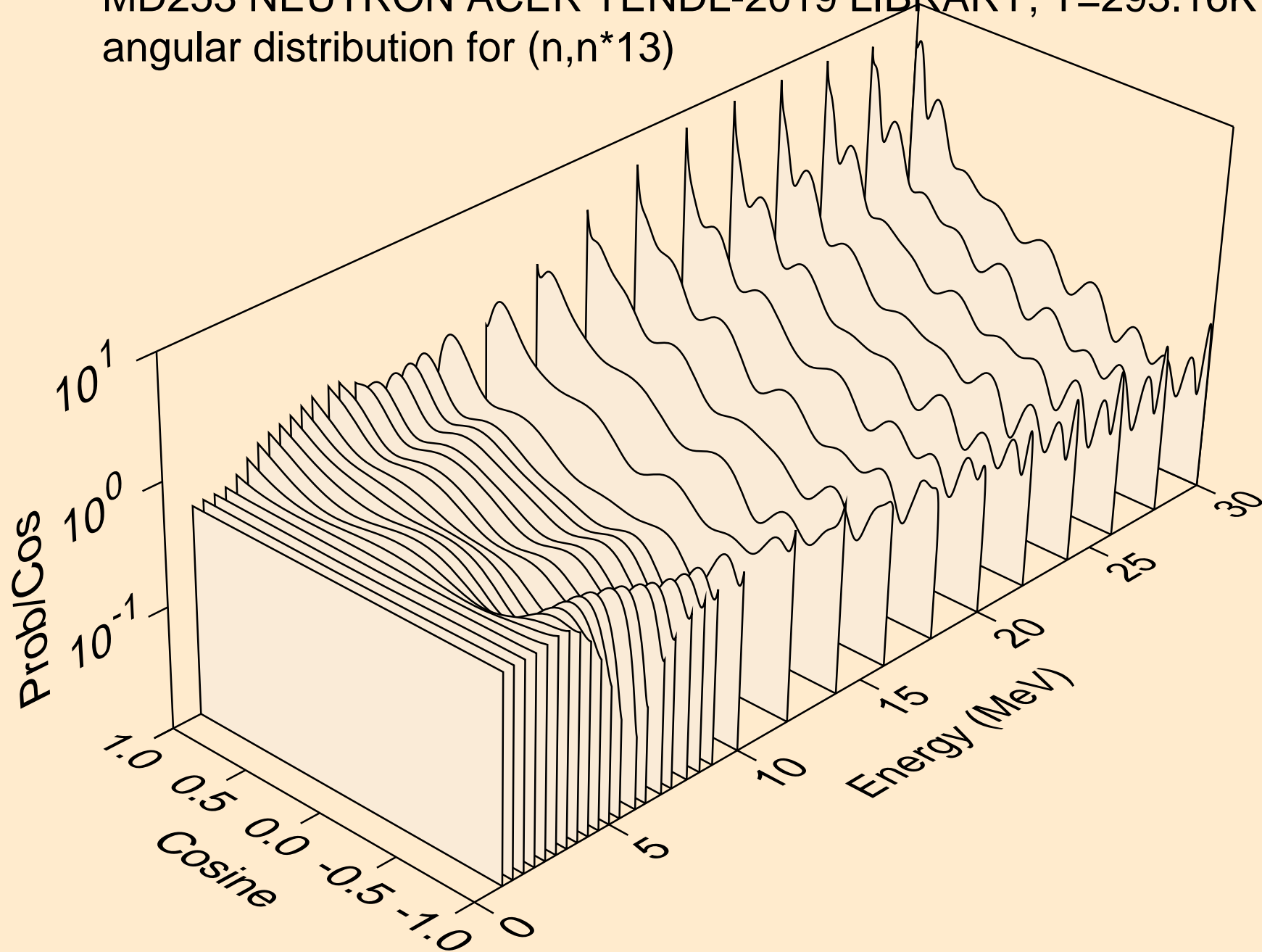
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angular distribution for (n,n\*11)



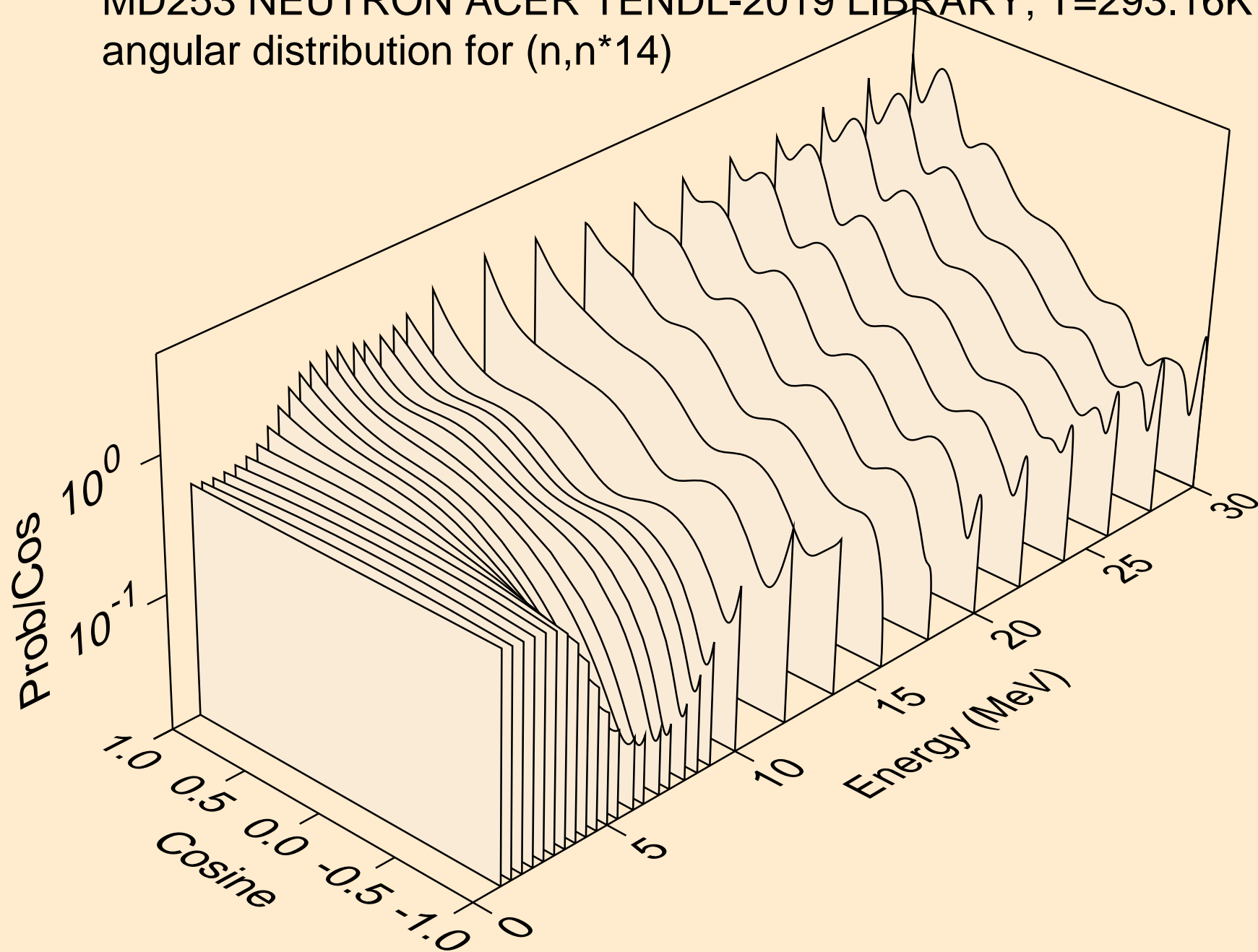
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angular distribution for (n,n\*12)



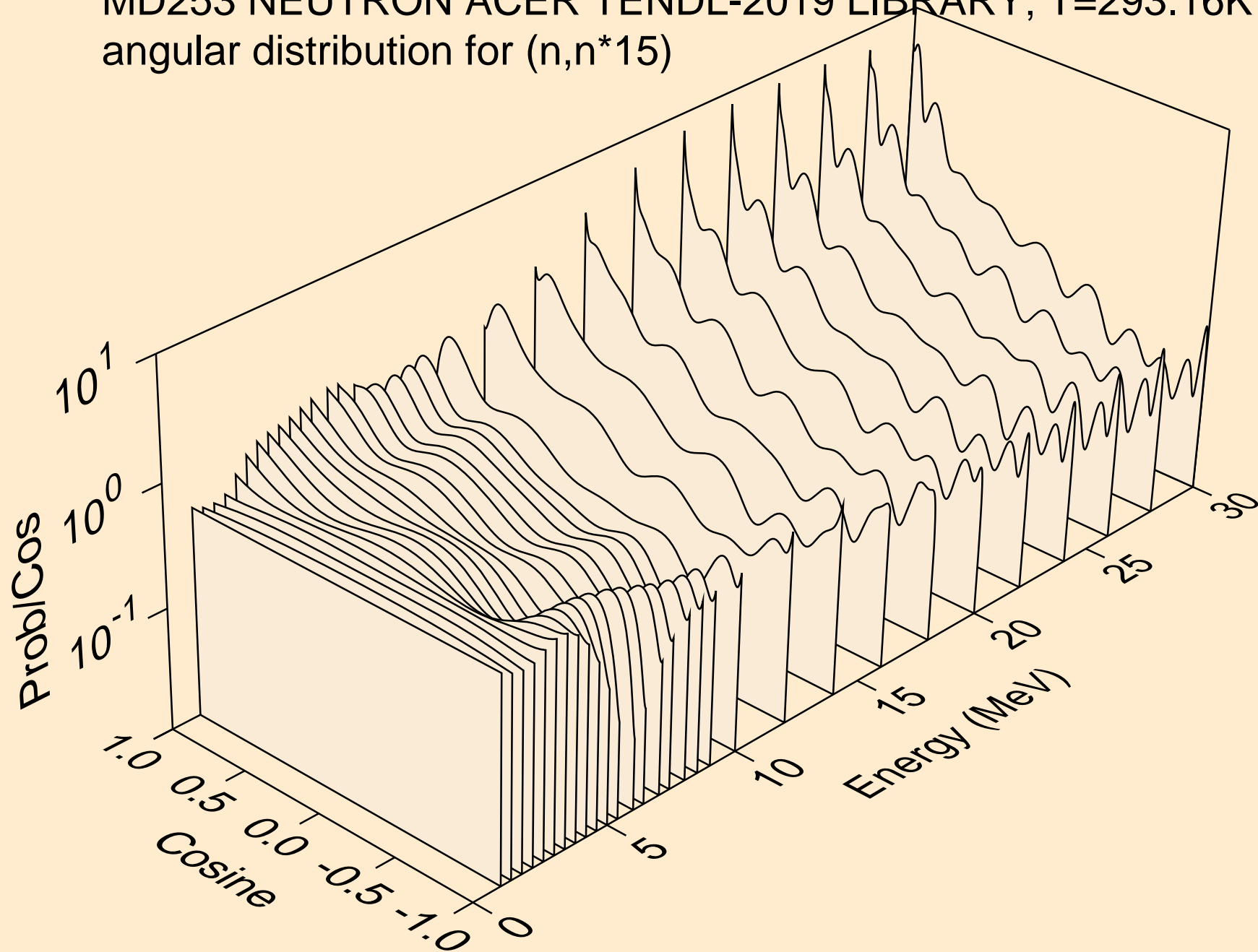
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*13)



MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*14)

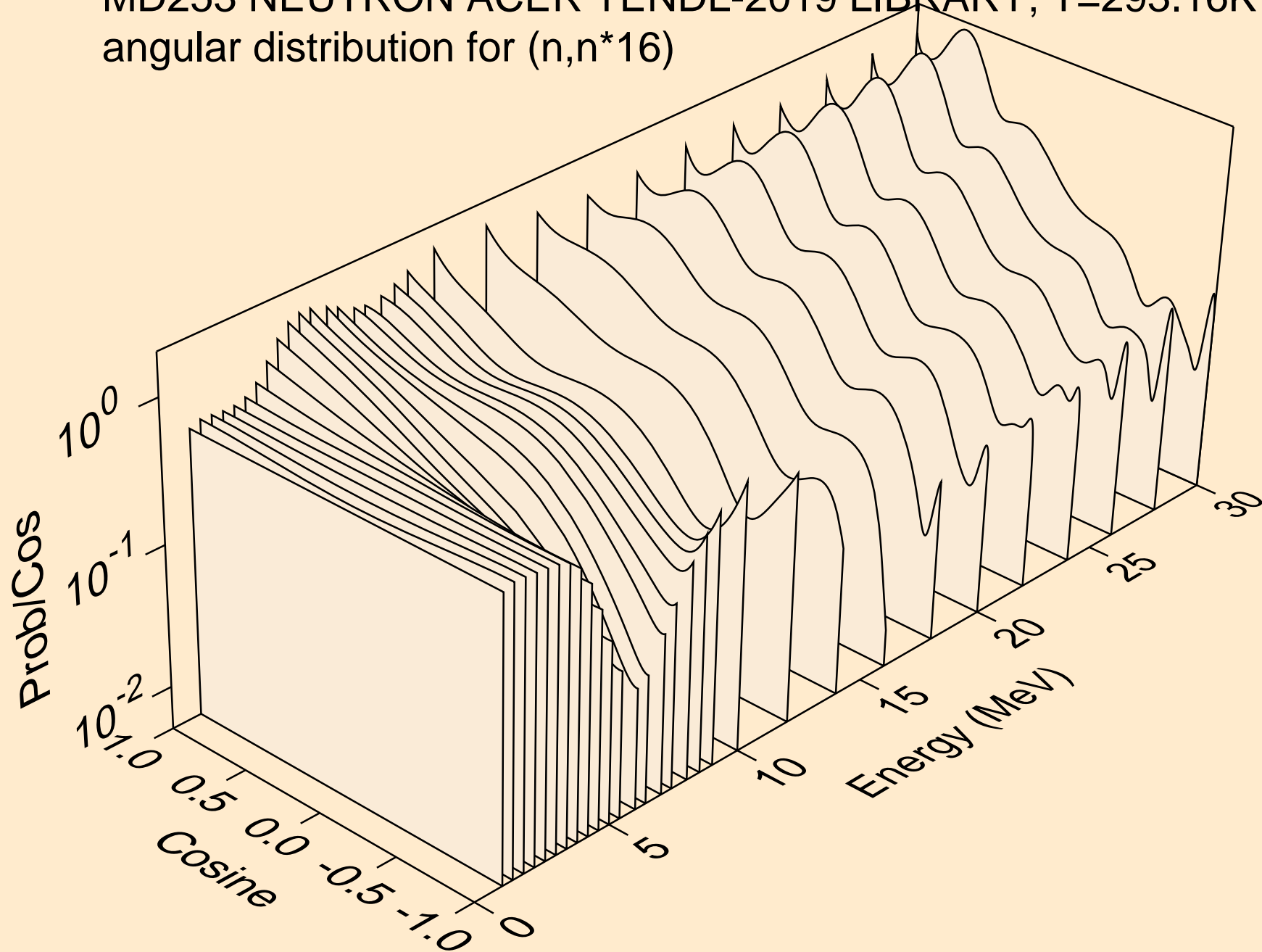


MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*15)

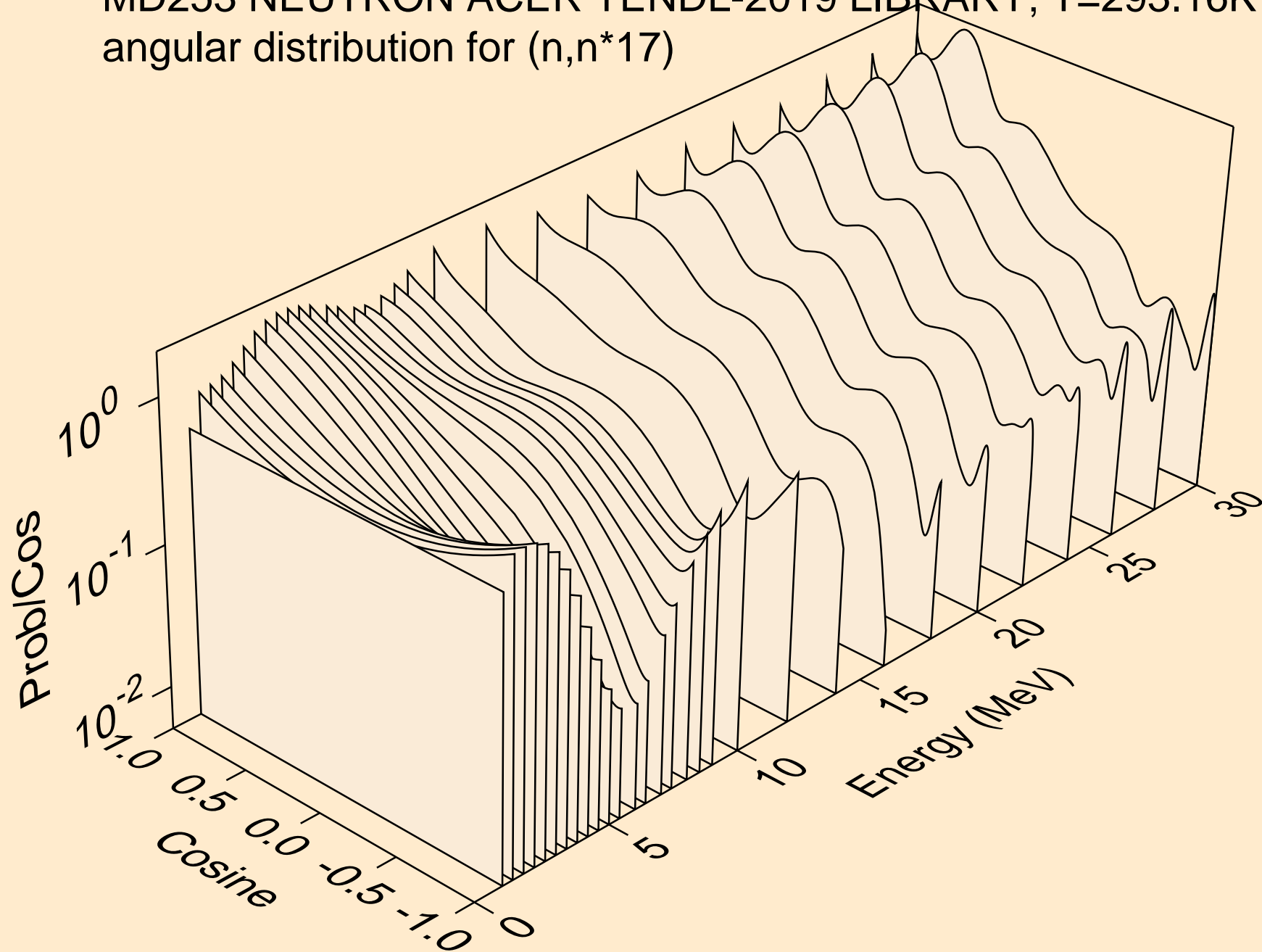




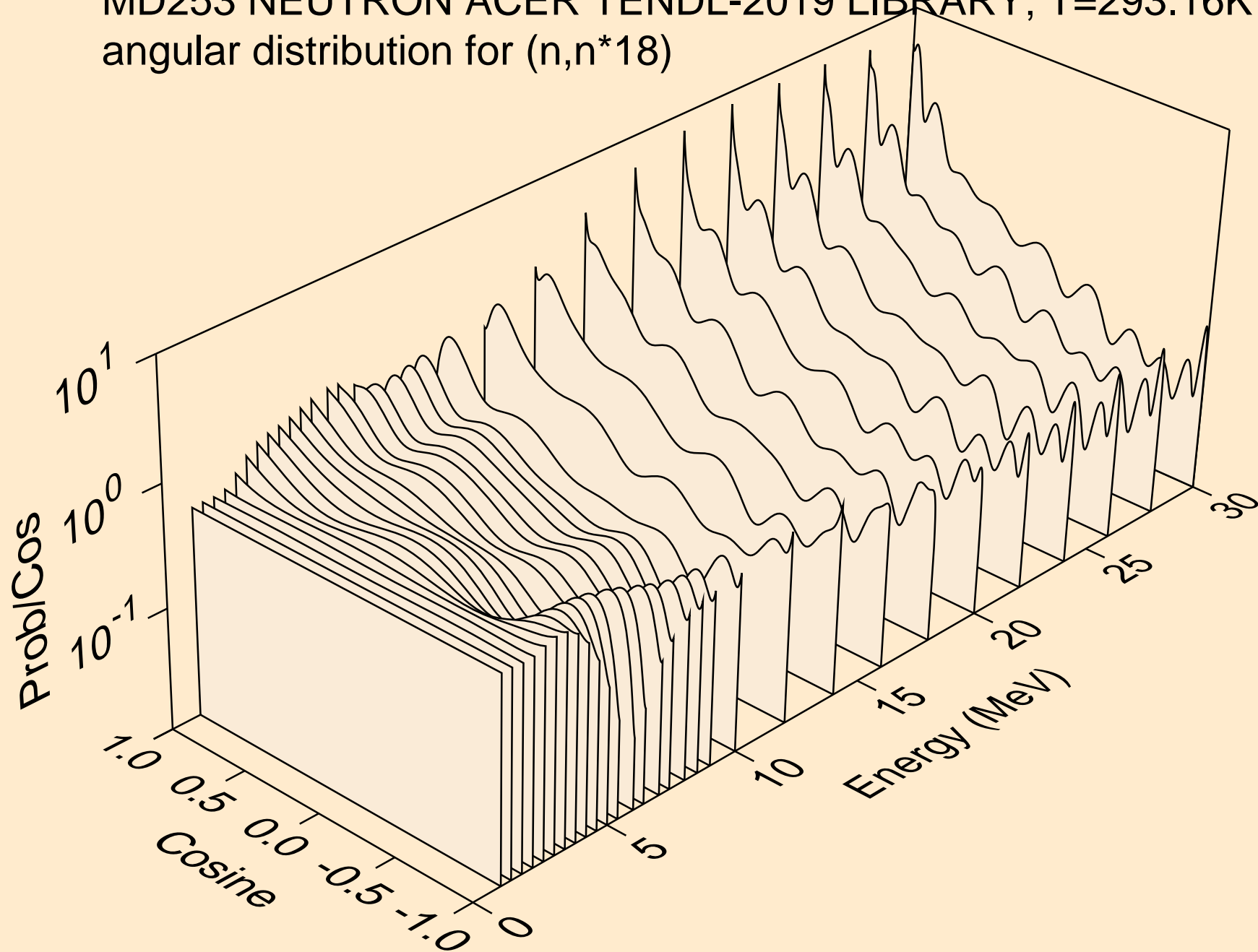
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angular distribution for (n,n\*16)



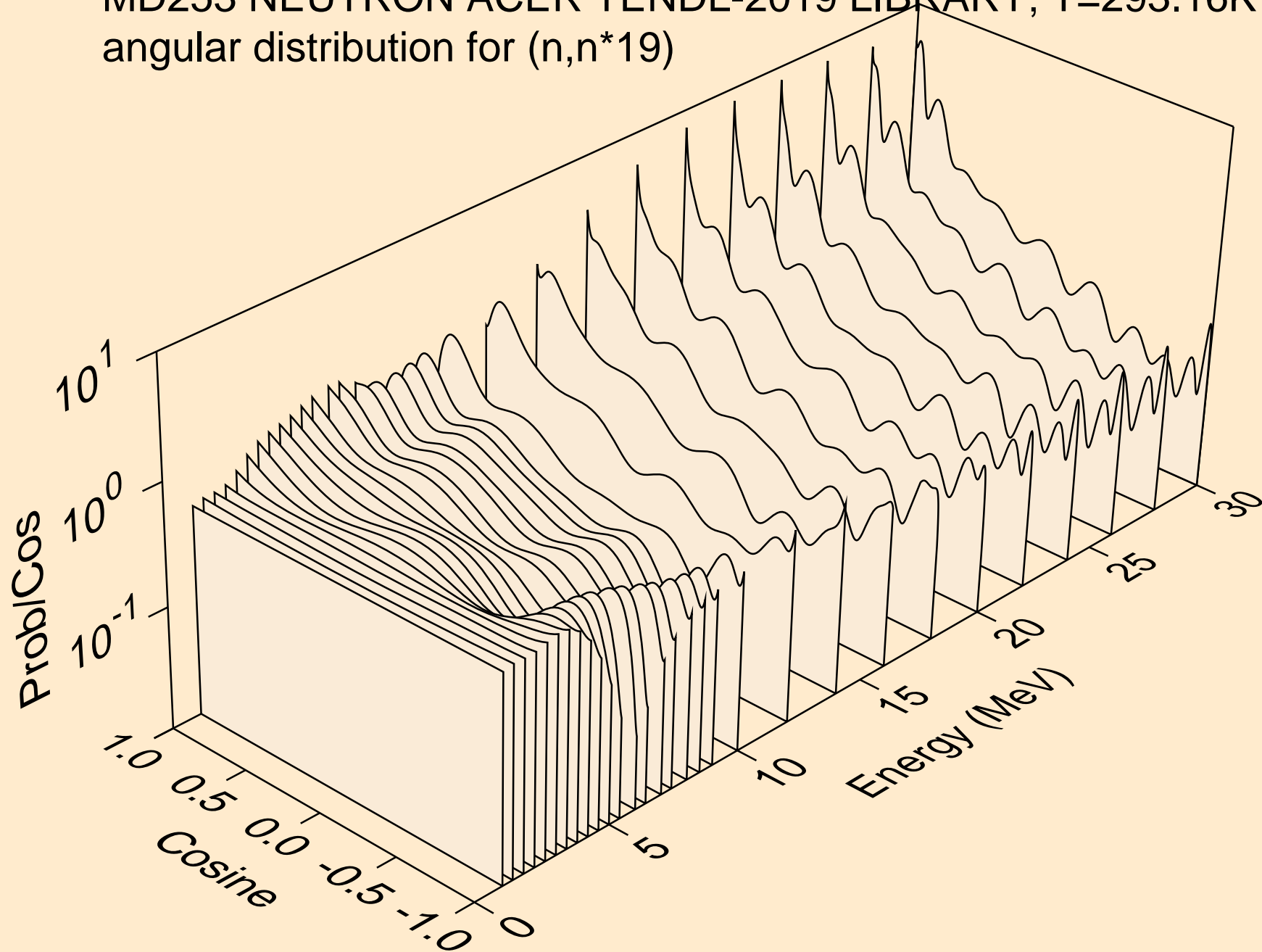
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angular distribution for (n,n\*17)



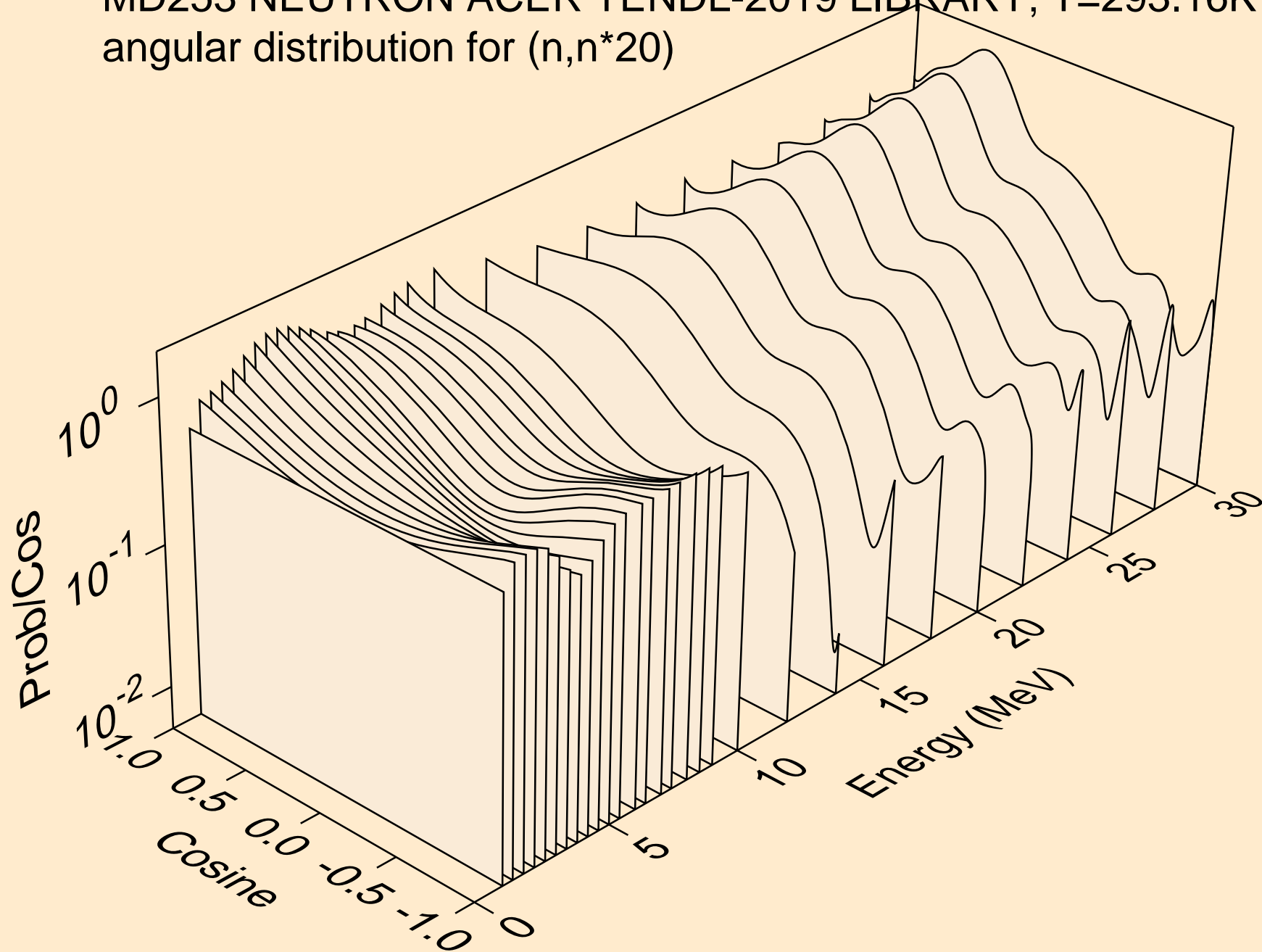
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angular distribution for (n,n\*18)



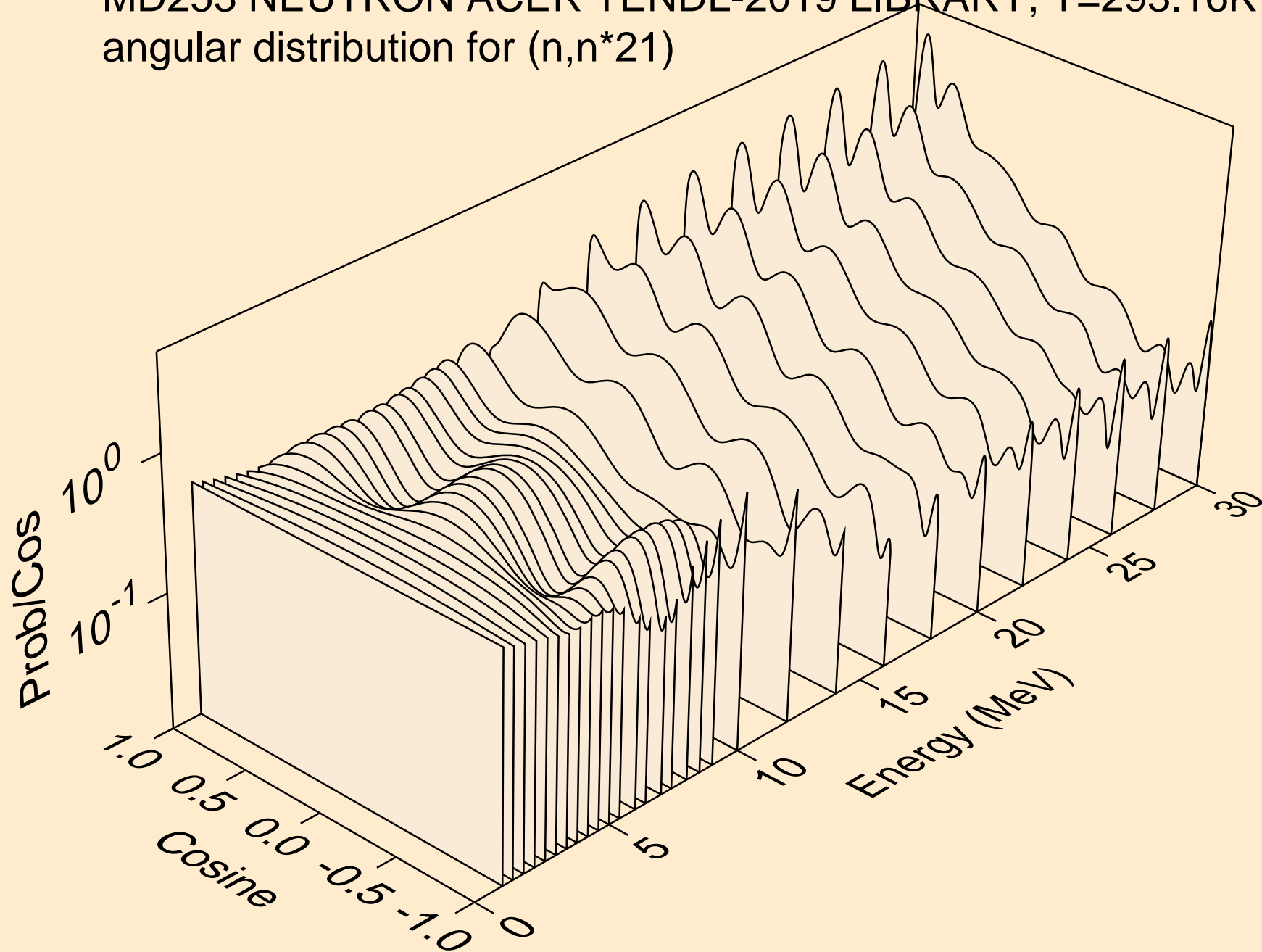
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angular distribution for (n,n\*19)



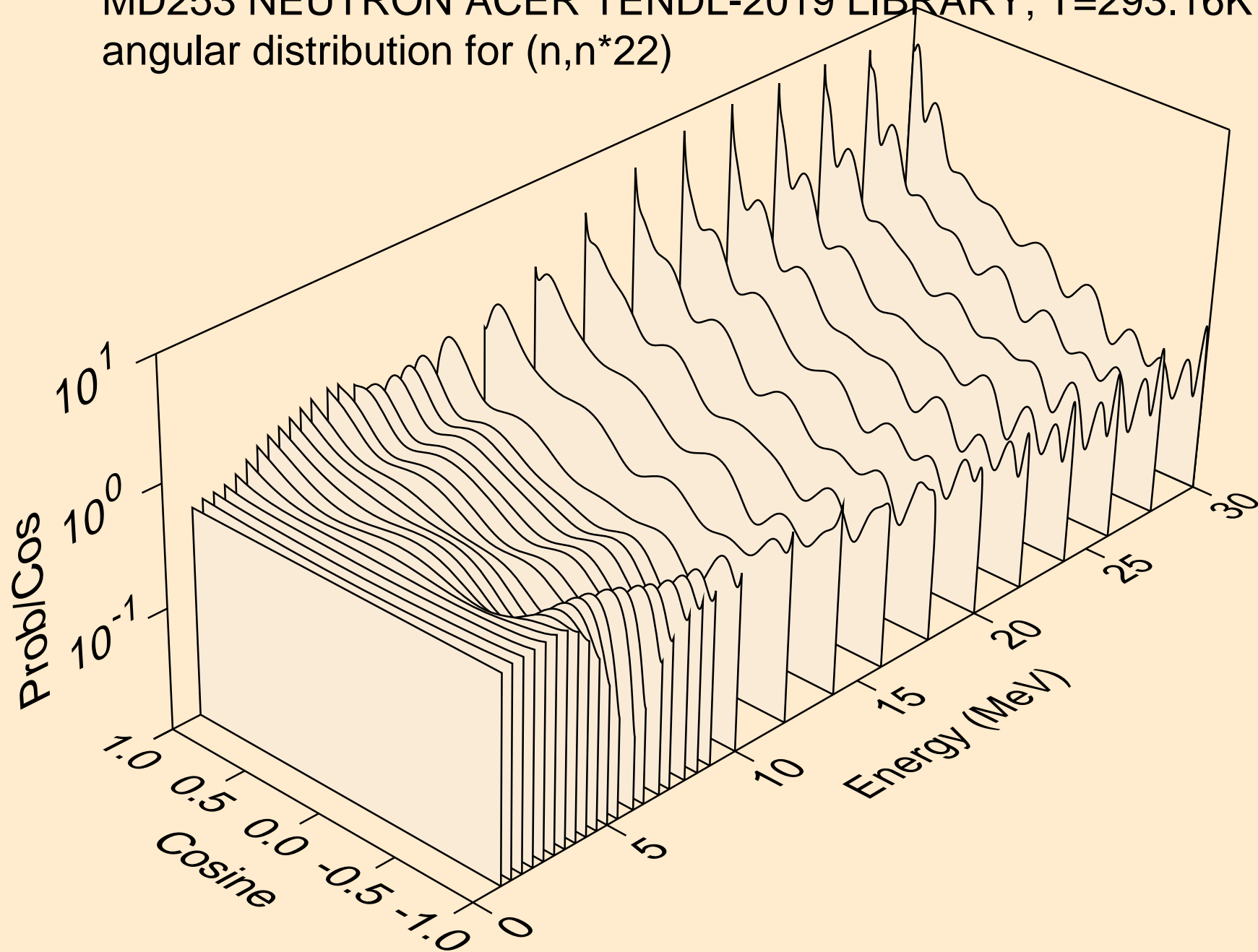
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angular distribution for (n,n\*20)



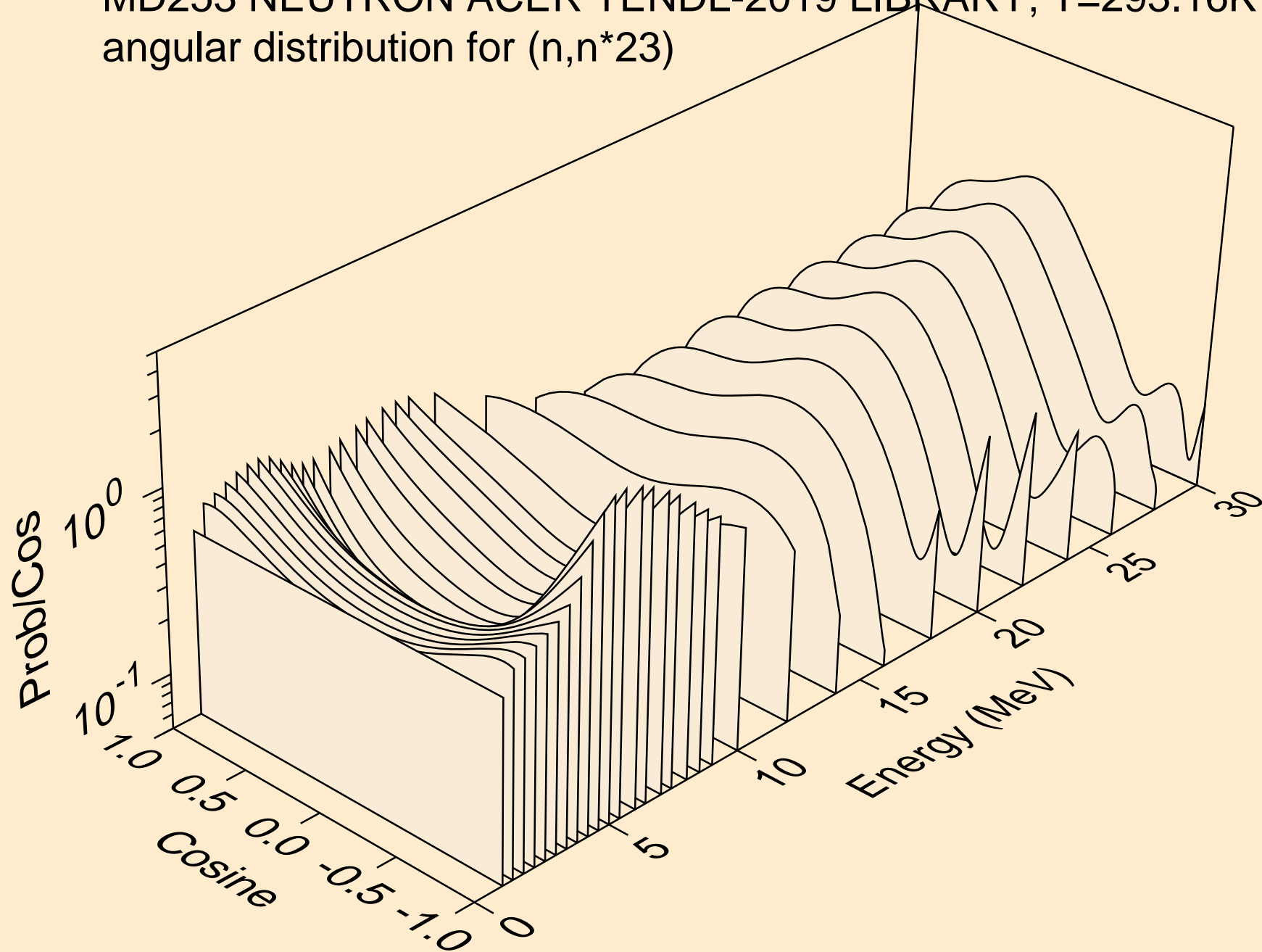
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*21)



MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*22)

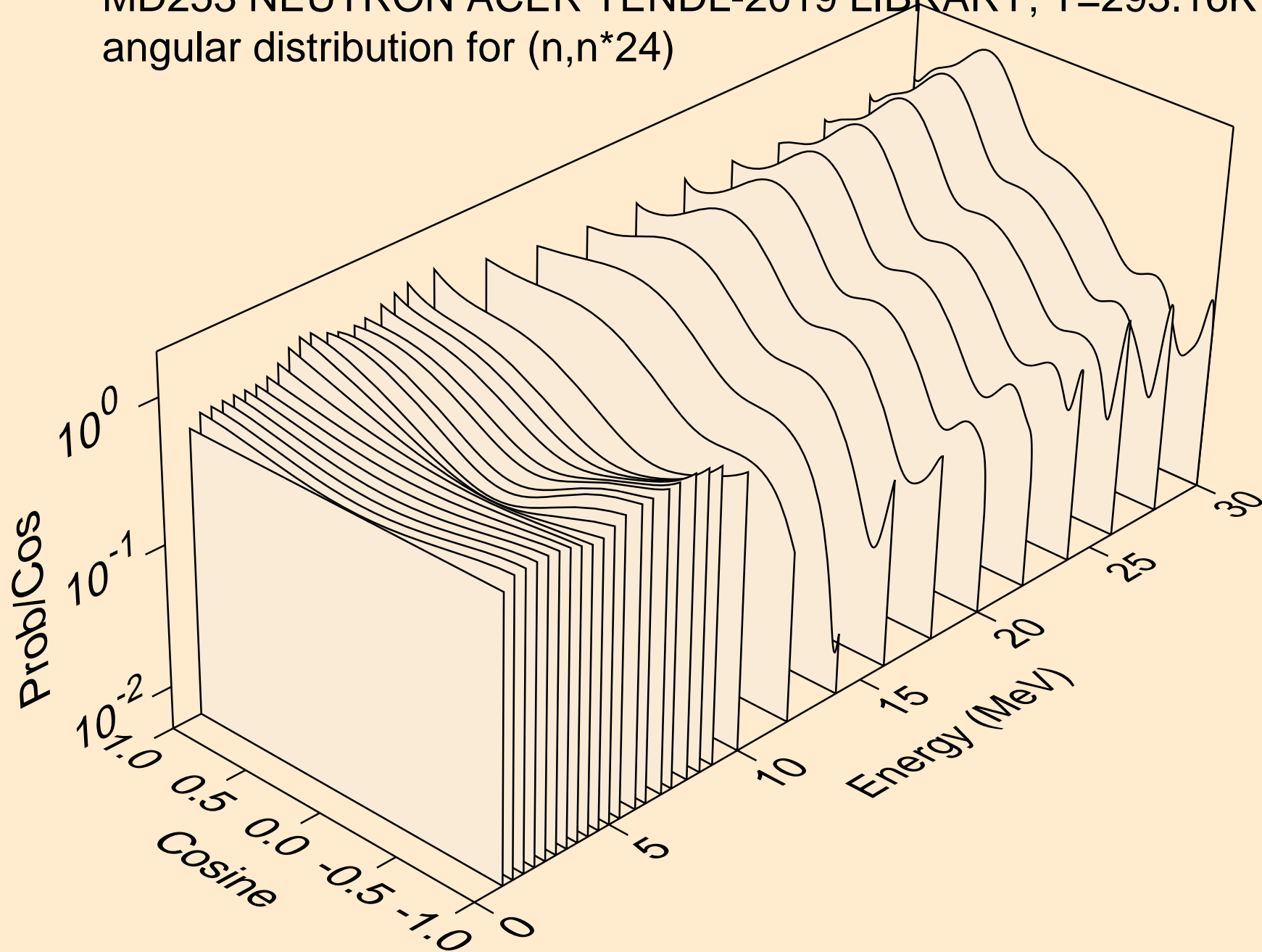


MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*23)

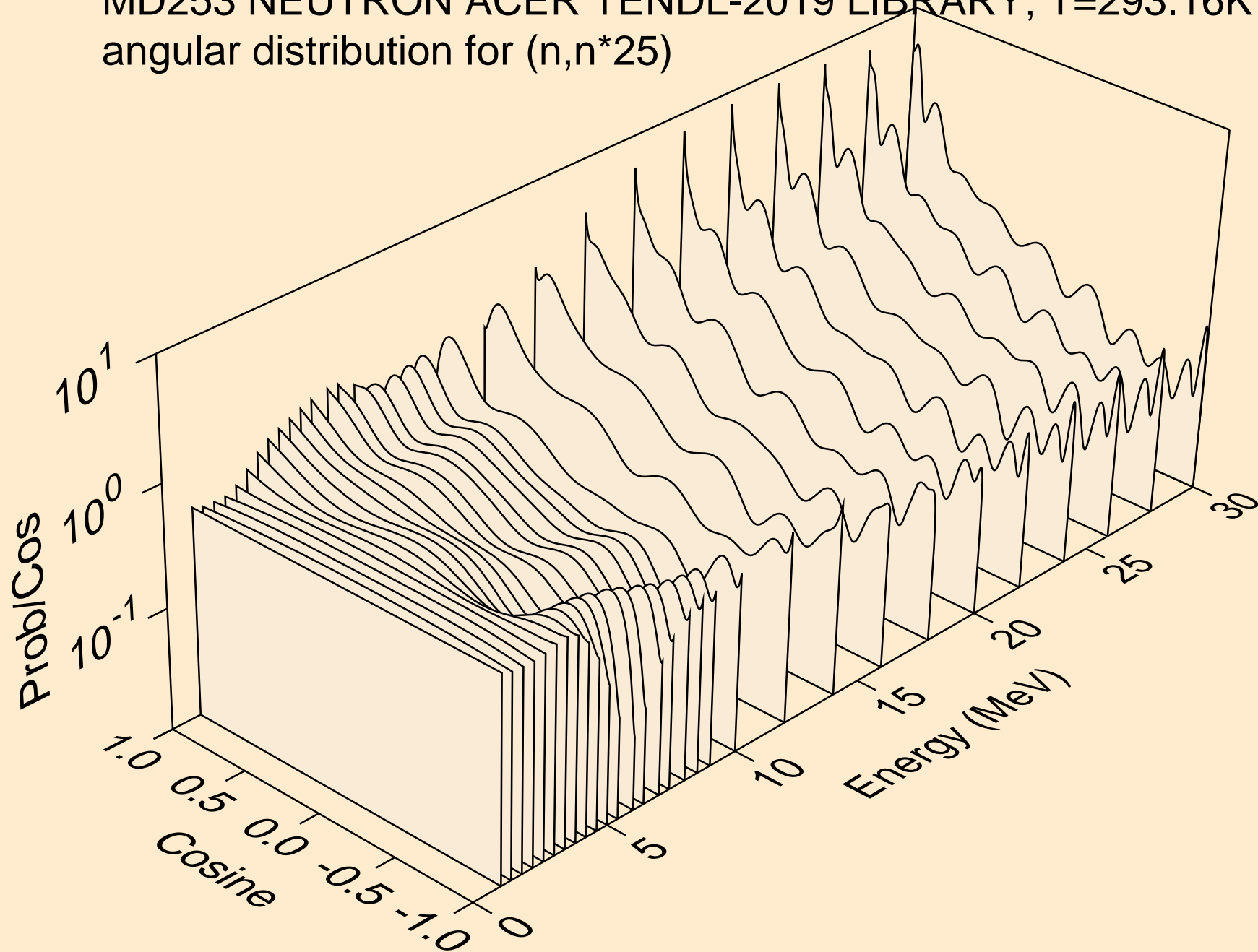




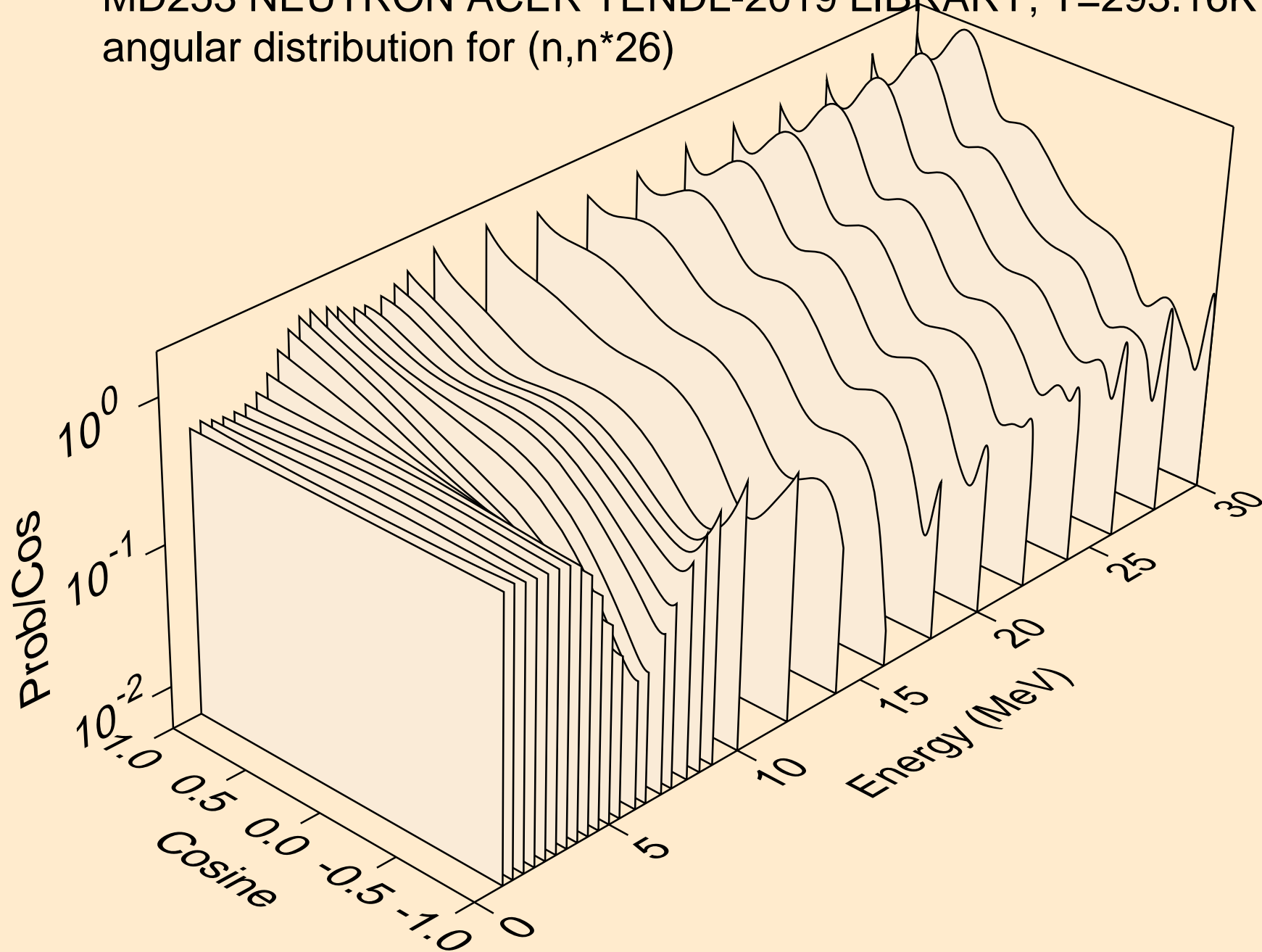
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*24)



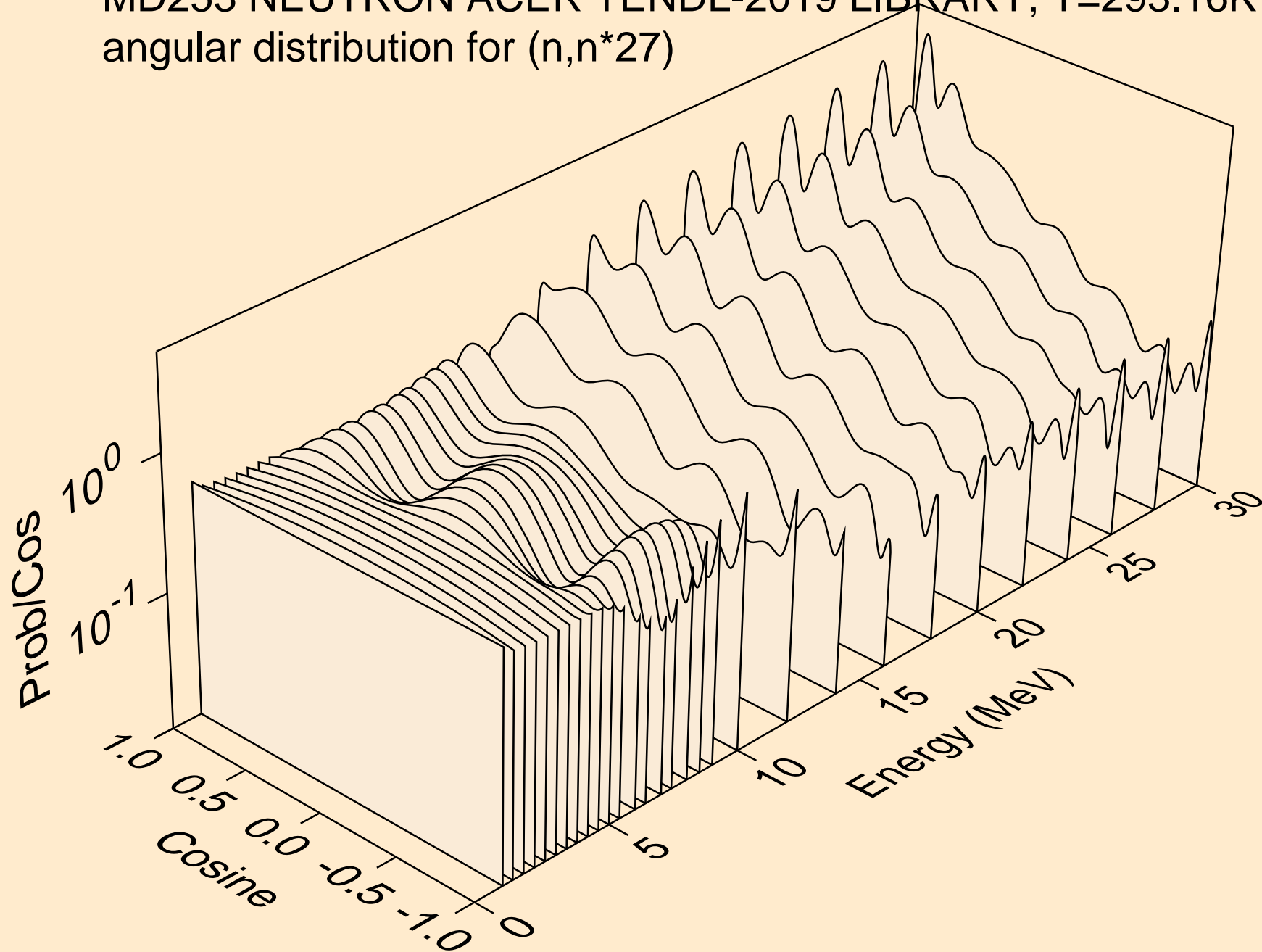
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angular distribution for (n,n\*25)



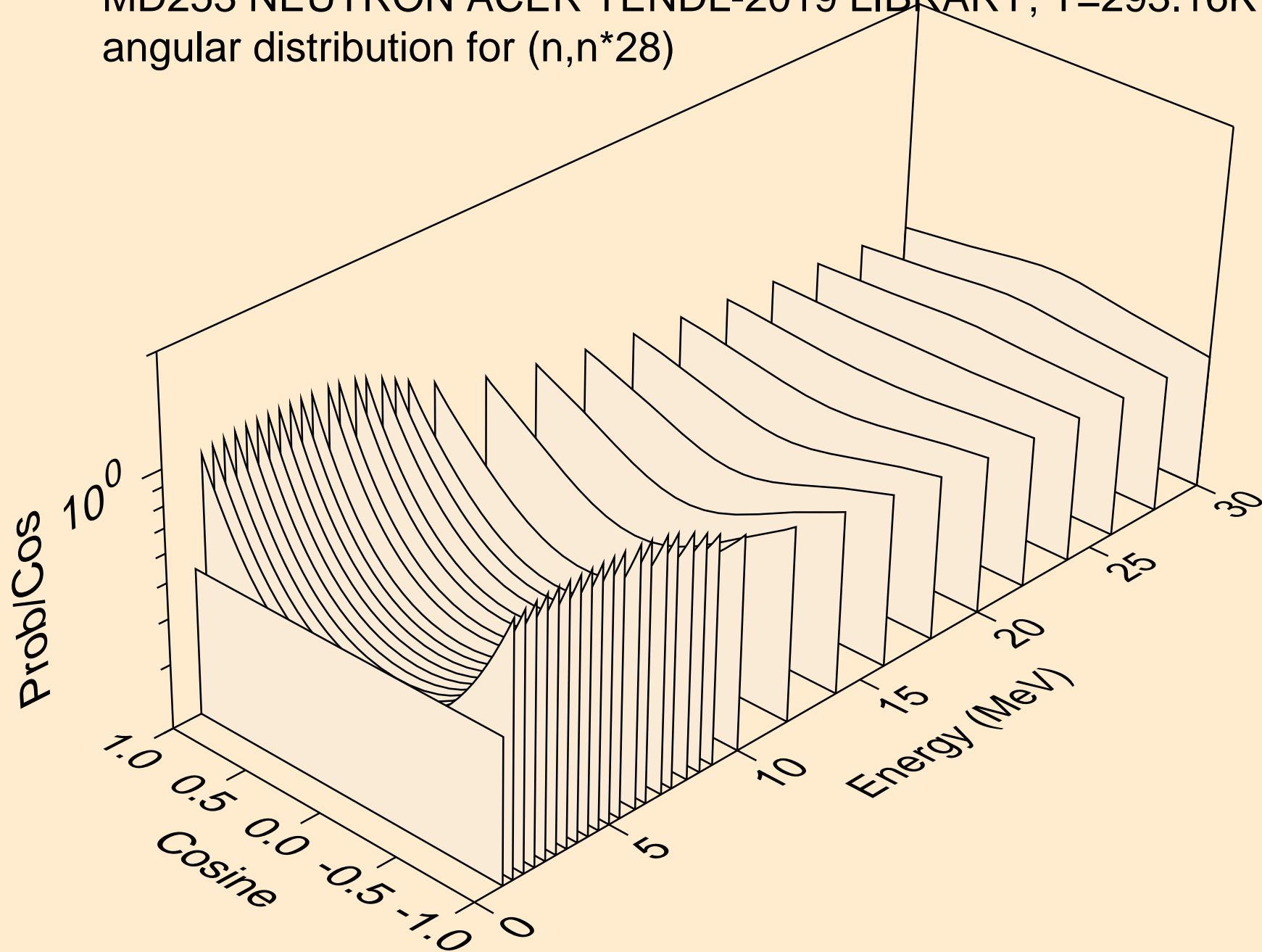
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angular distribution for (n,n\*26)



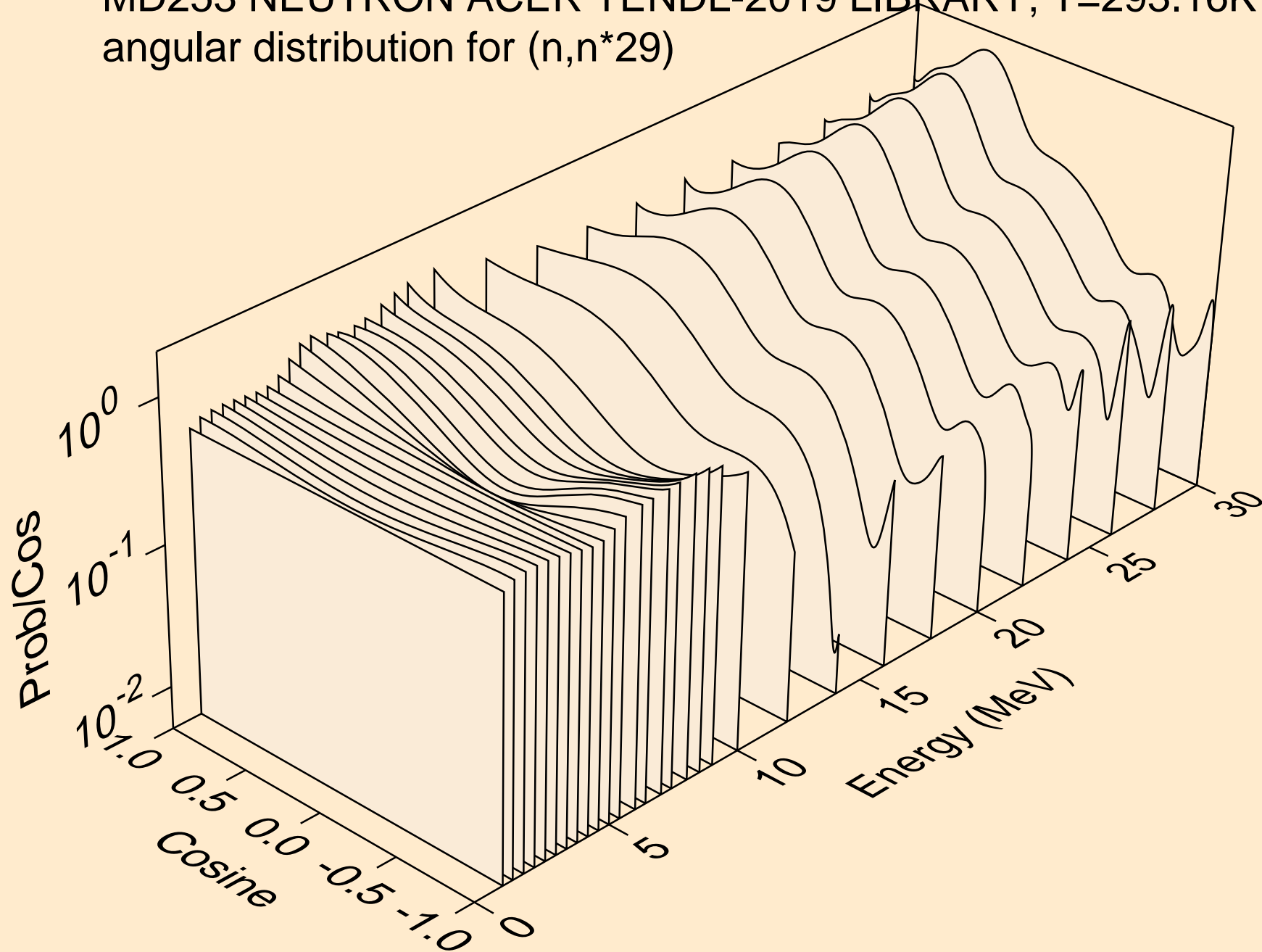
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*27)



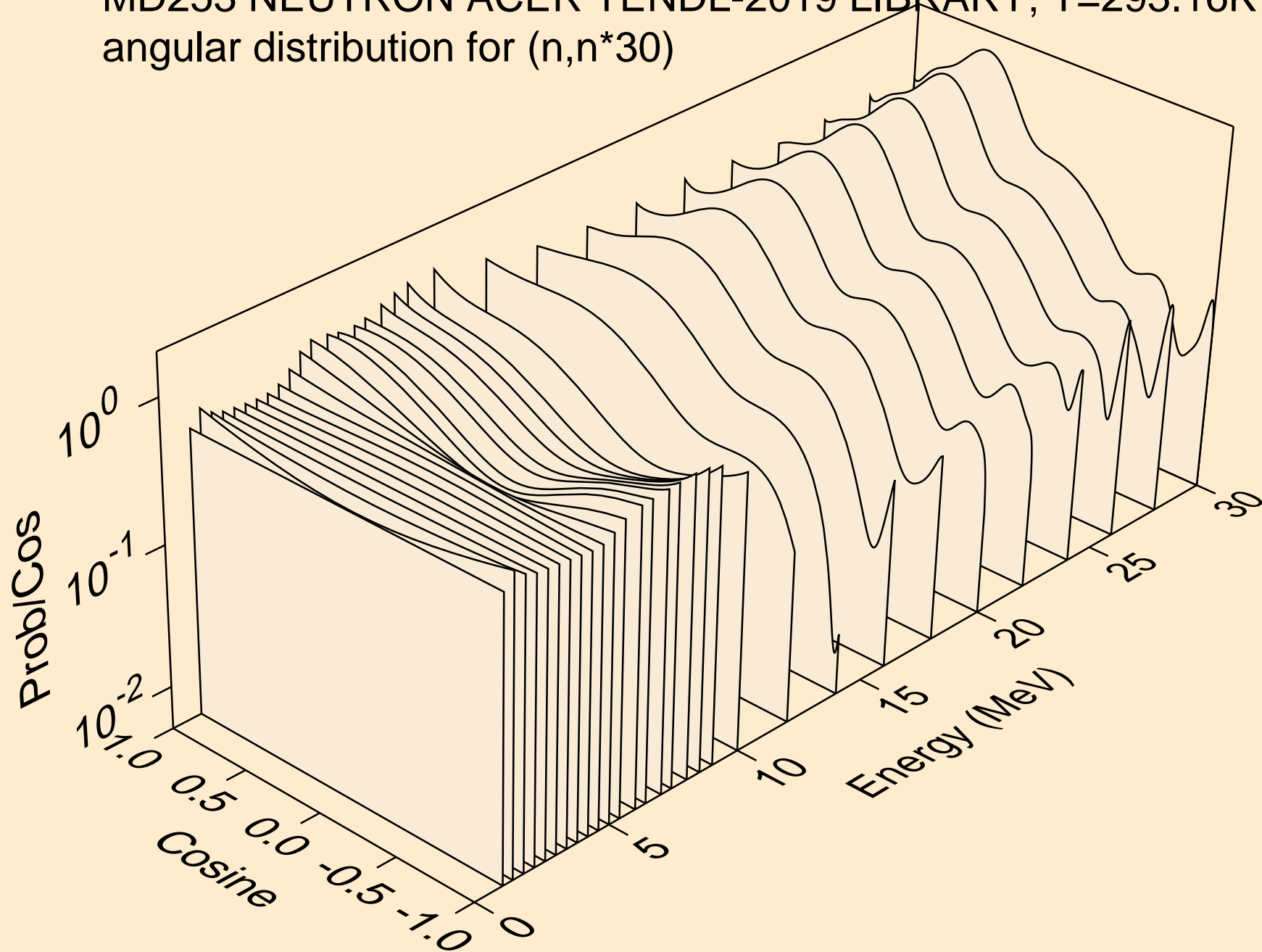
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*28)



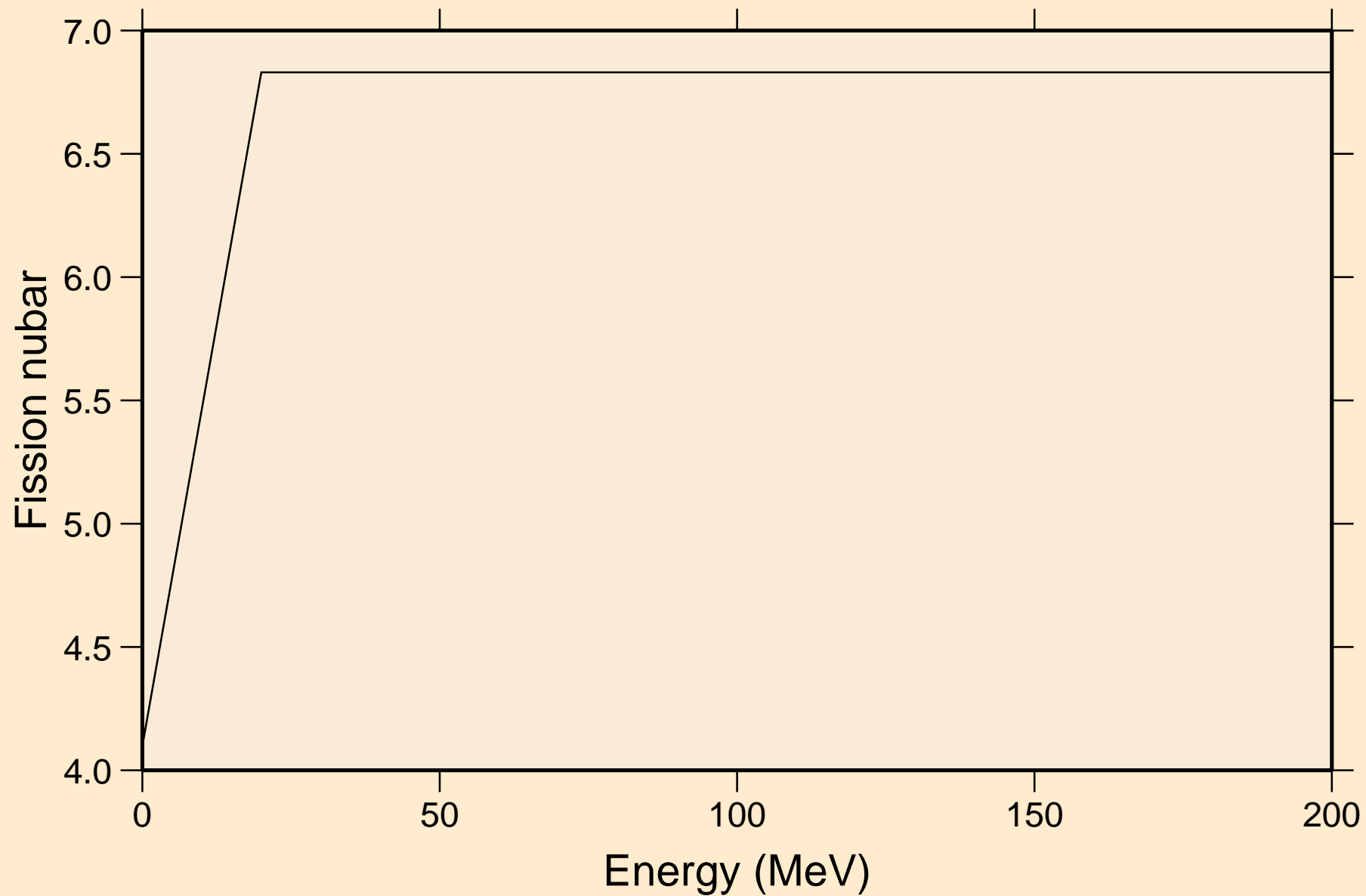
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*29)



MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*30)

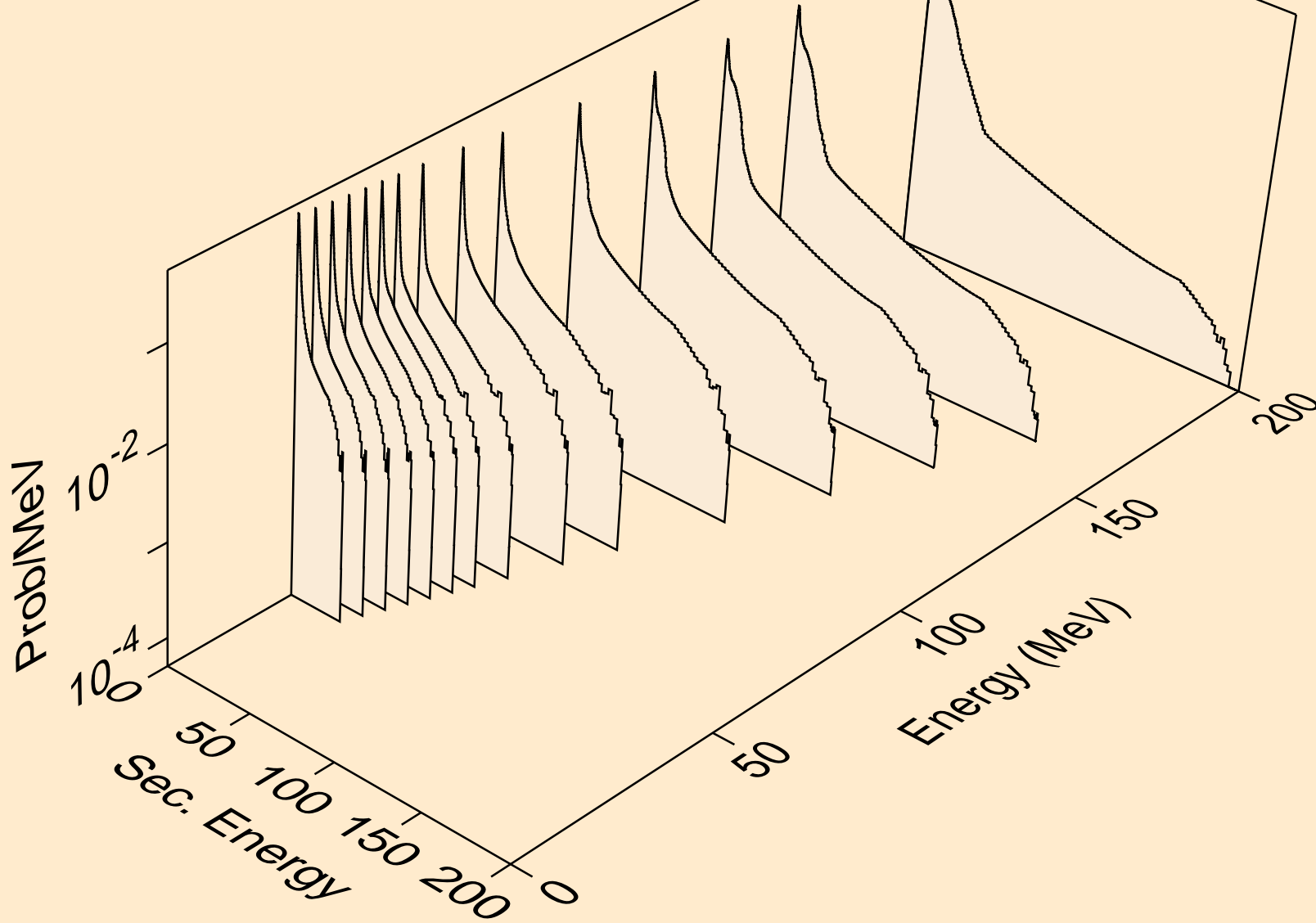


MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Total fission nubar

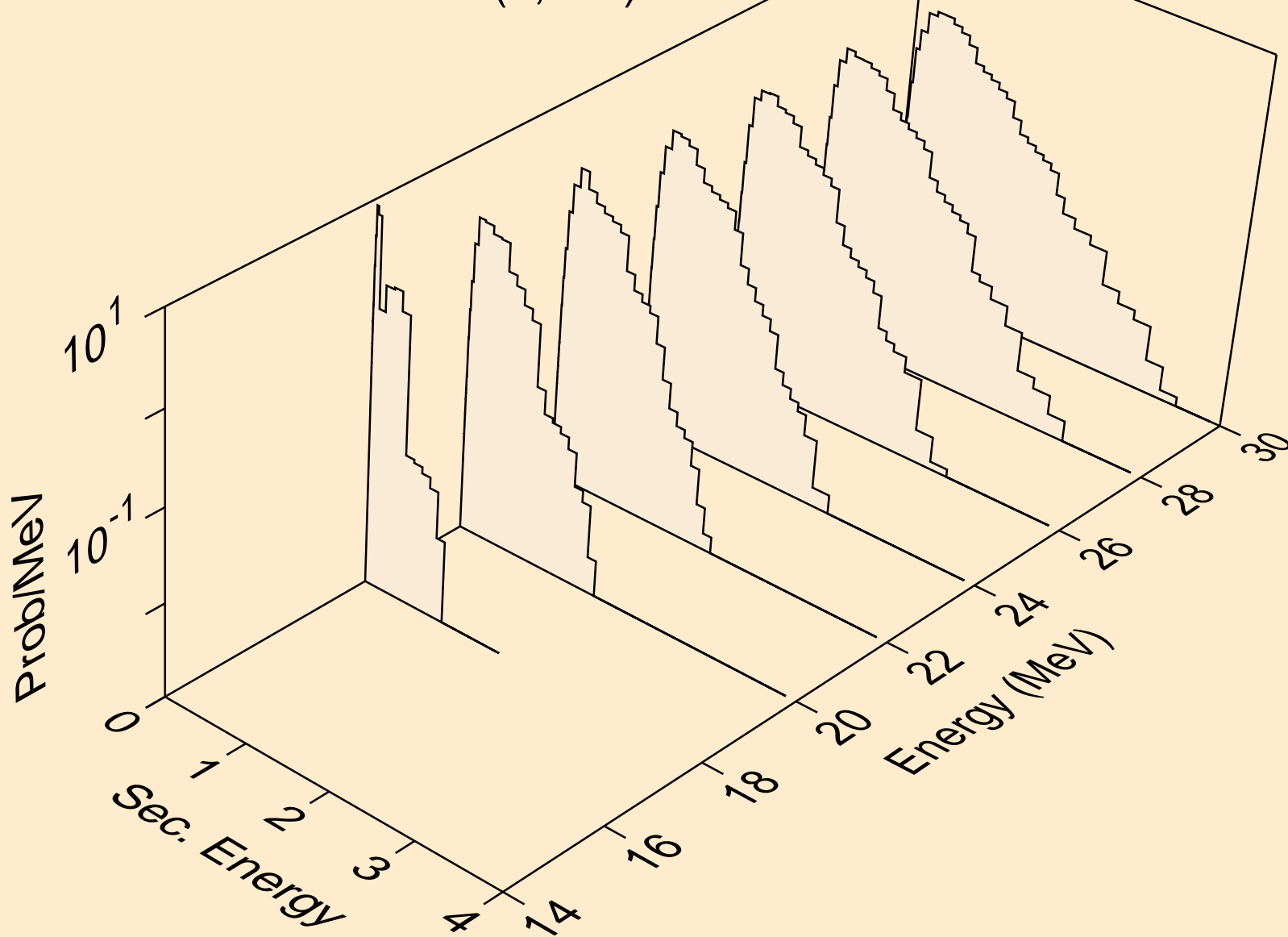




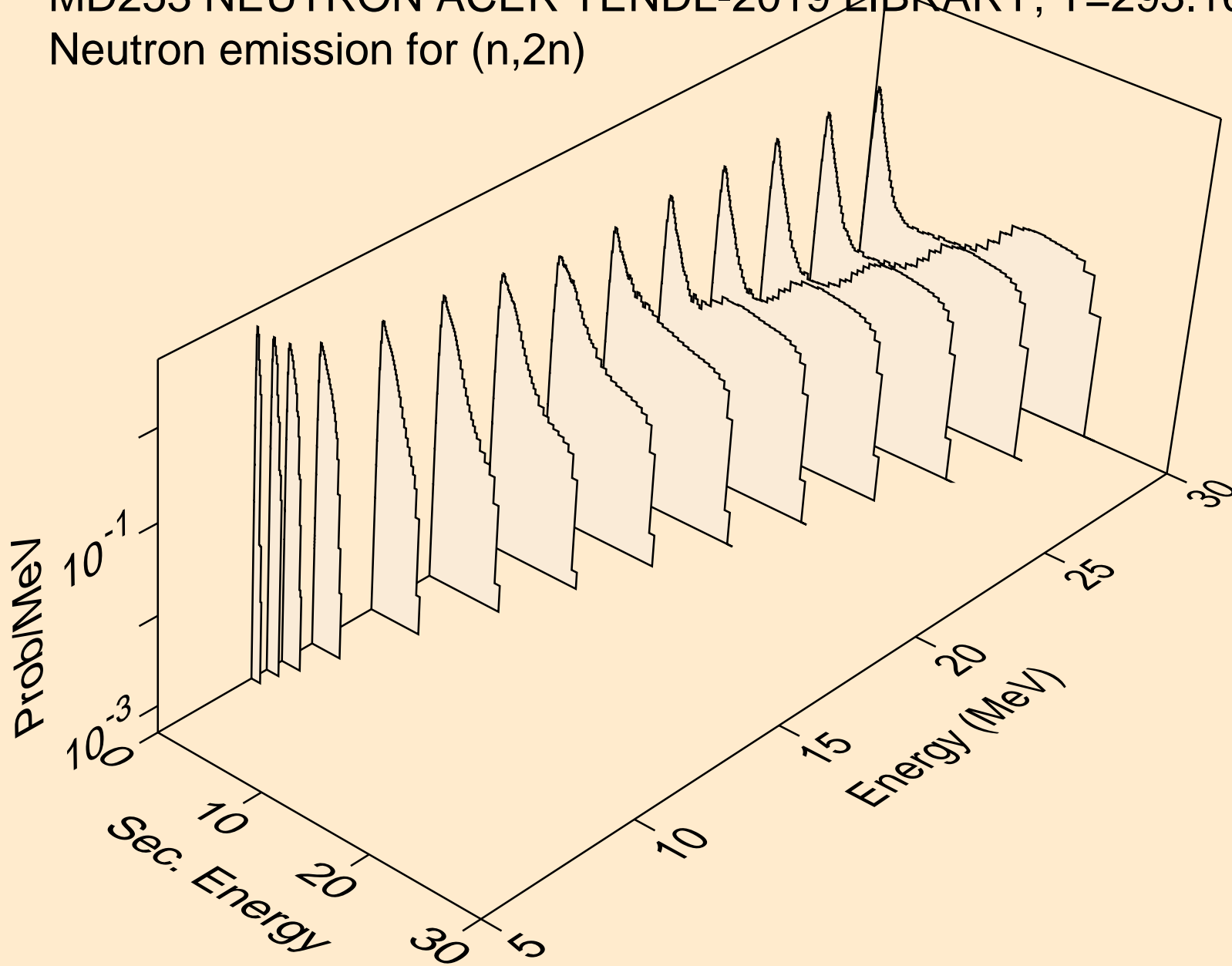
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



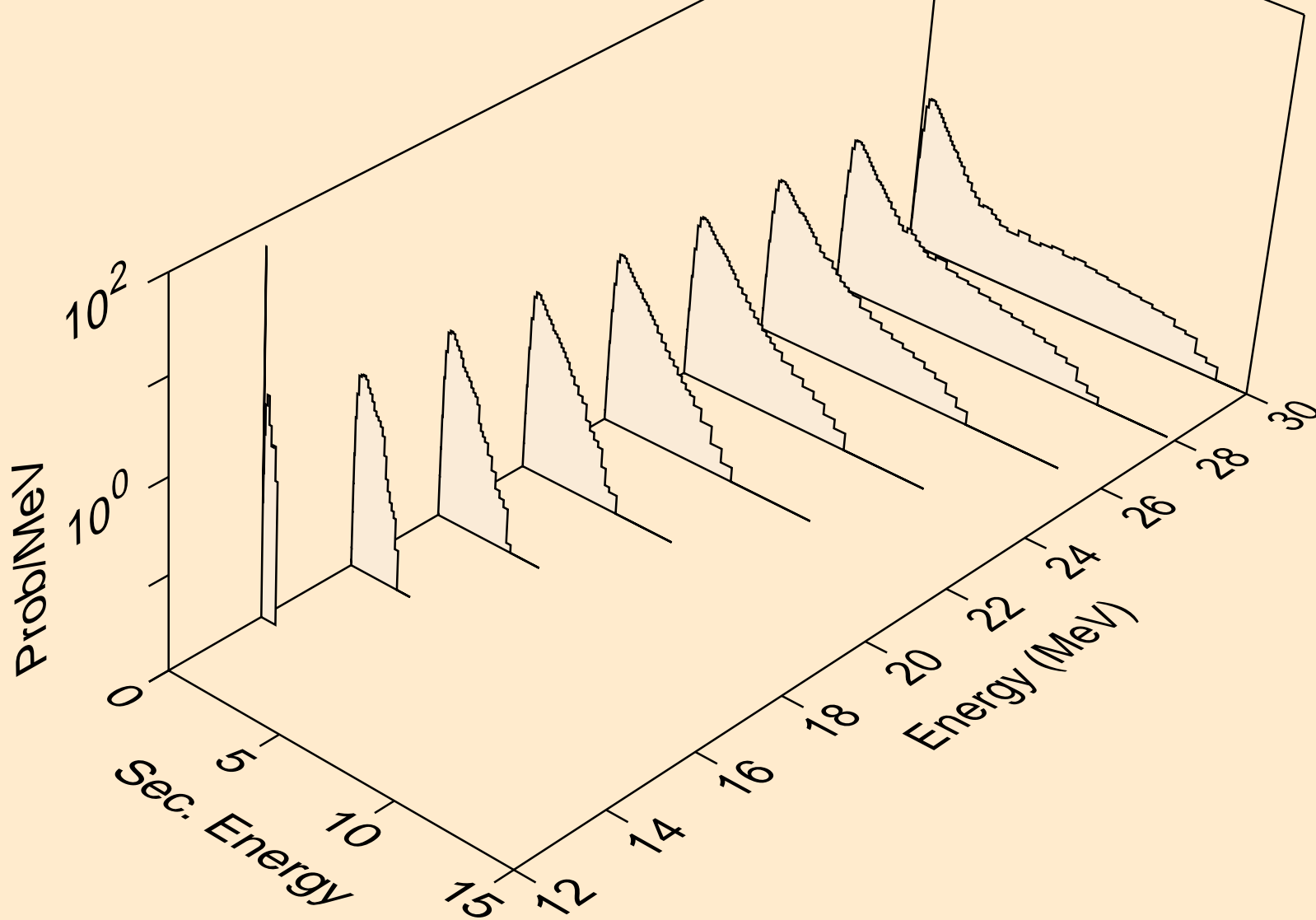
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



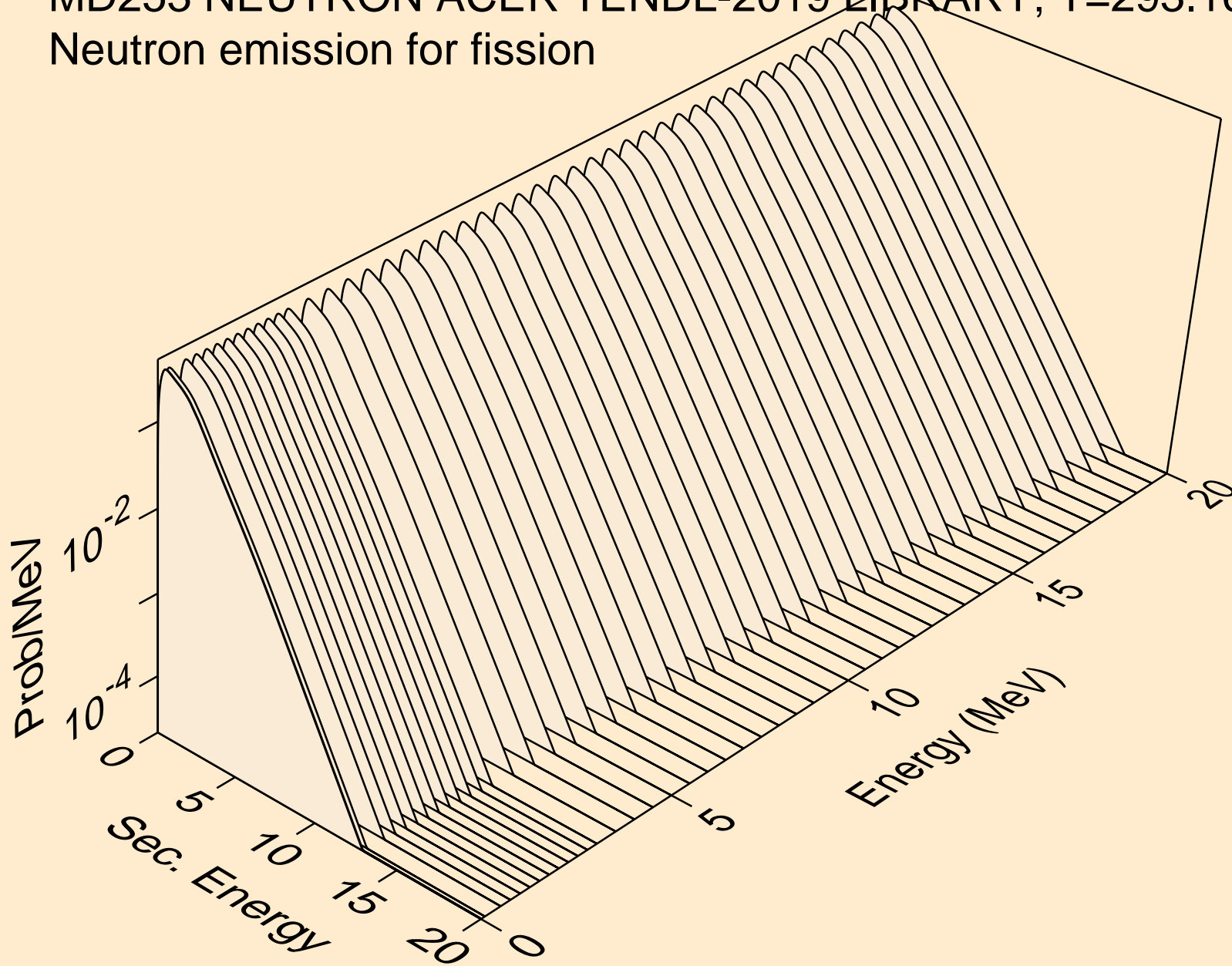
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



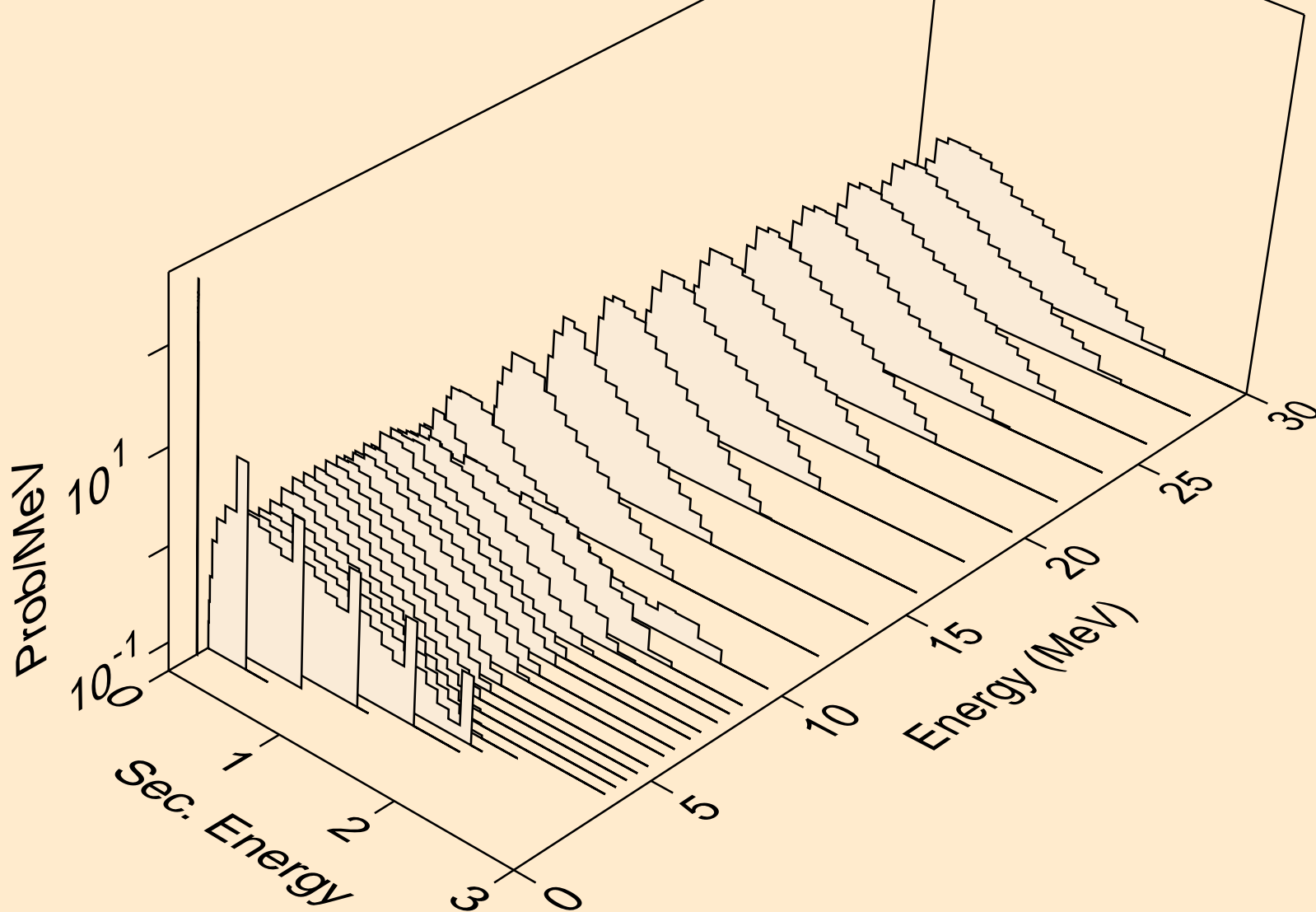
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)



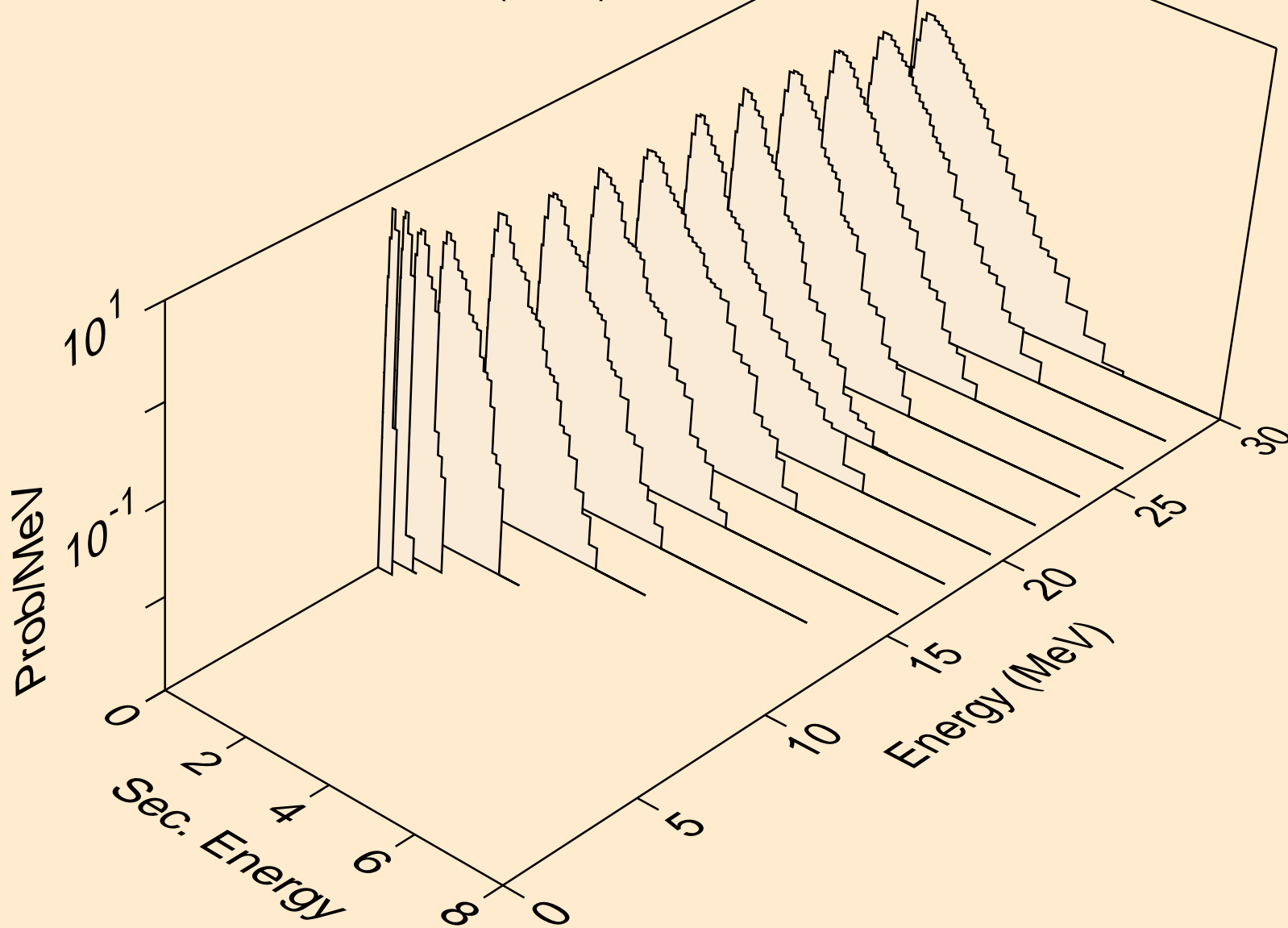
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for fission



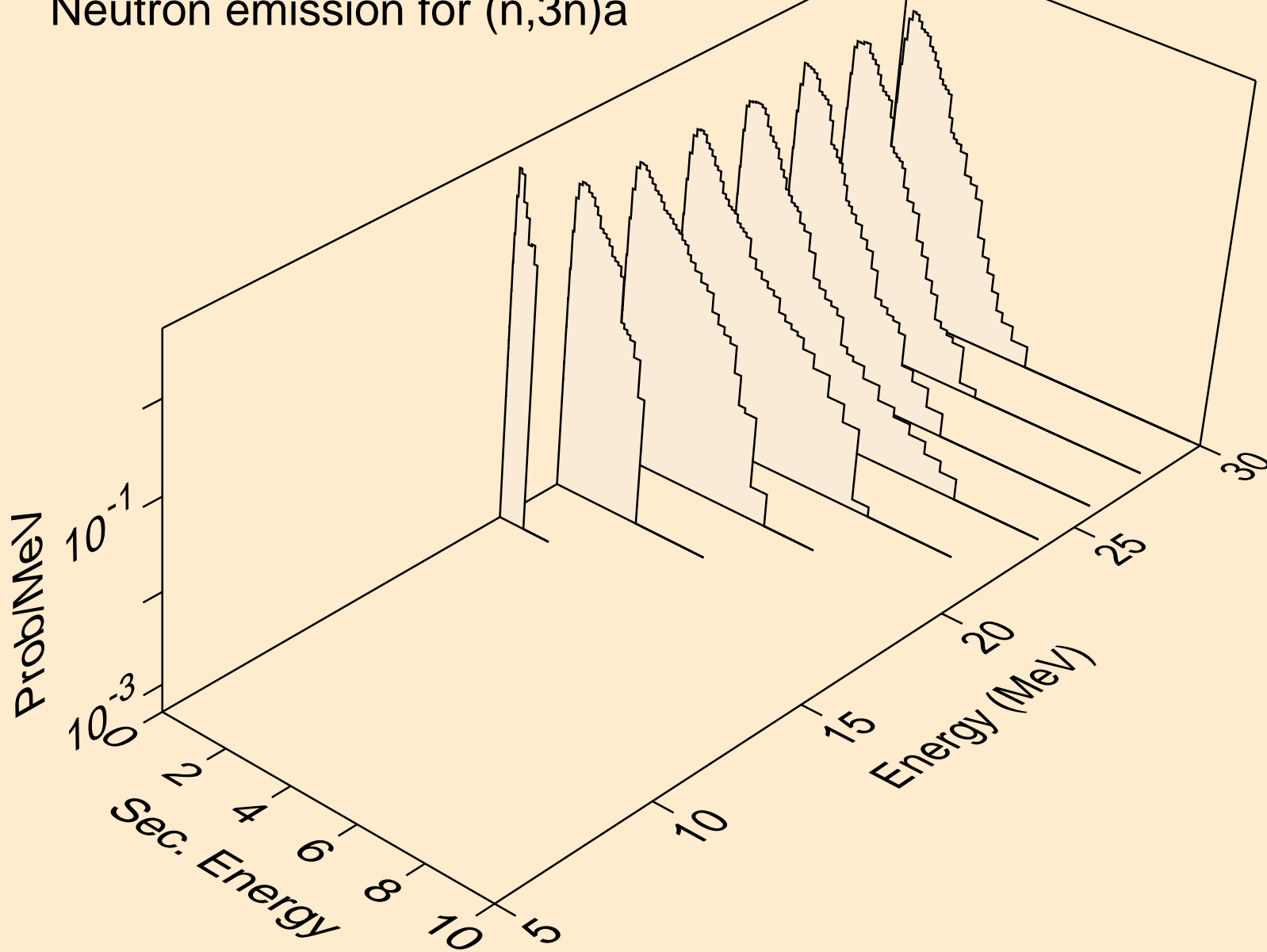
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a

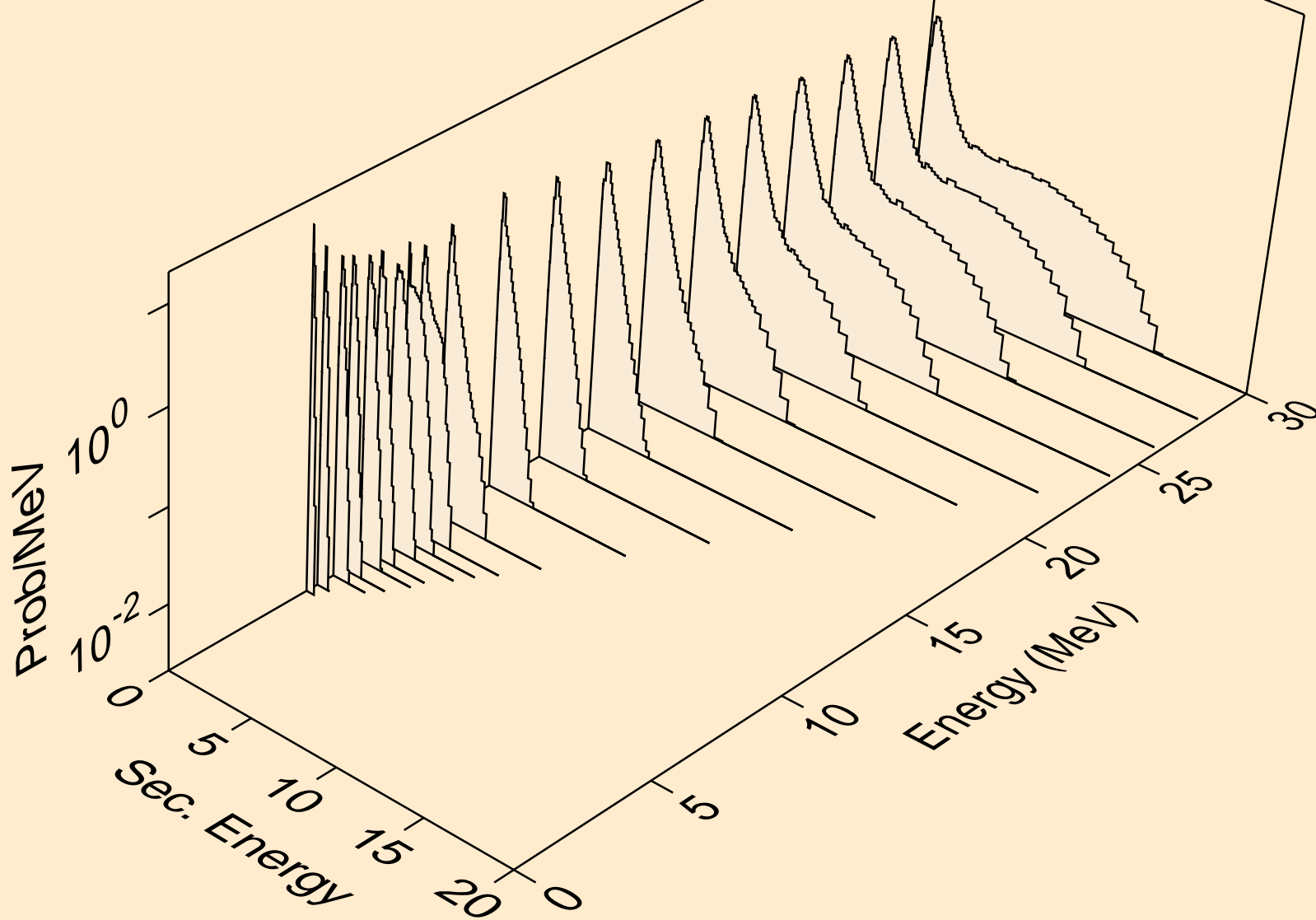


MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a

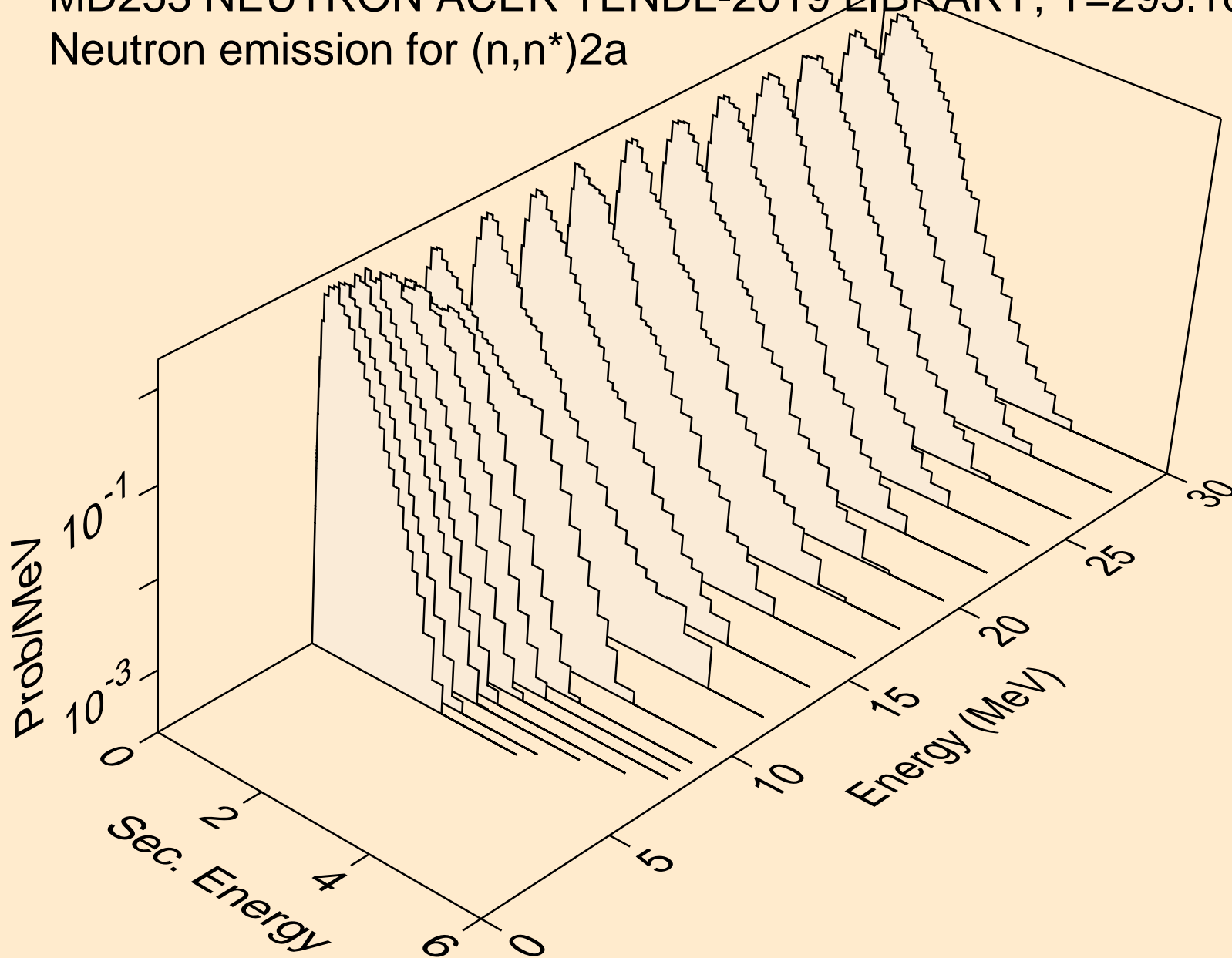




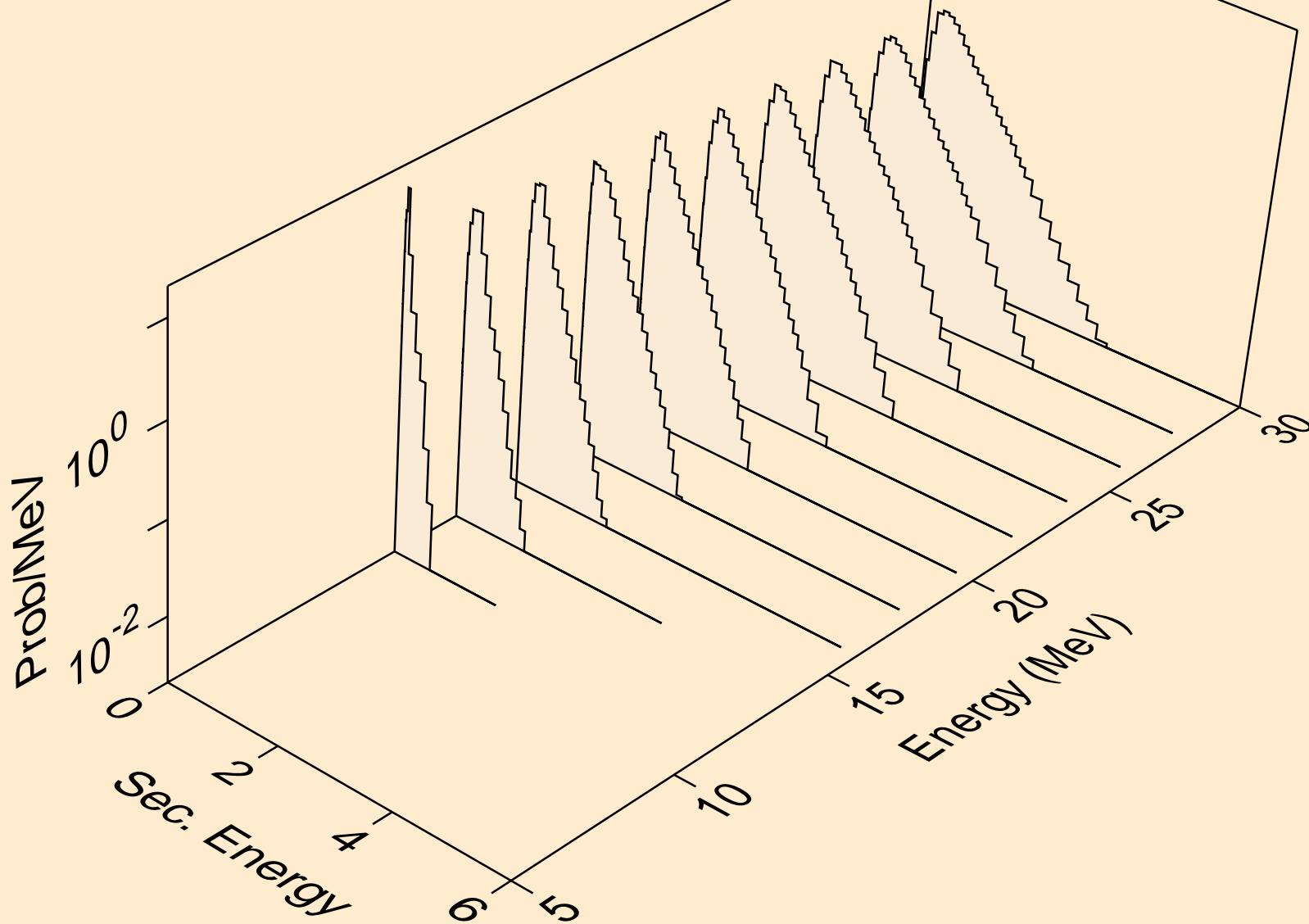
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



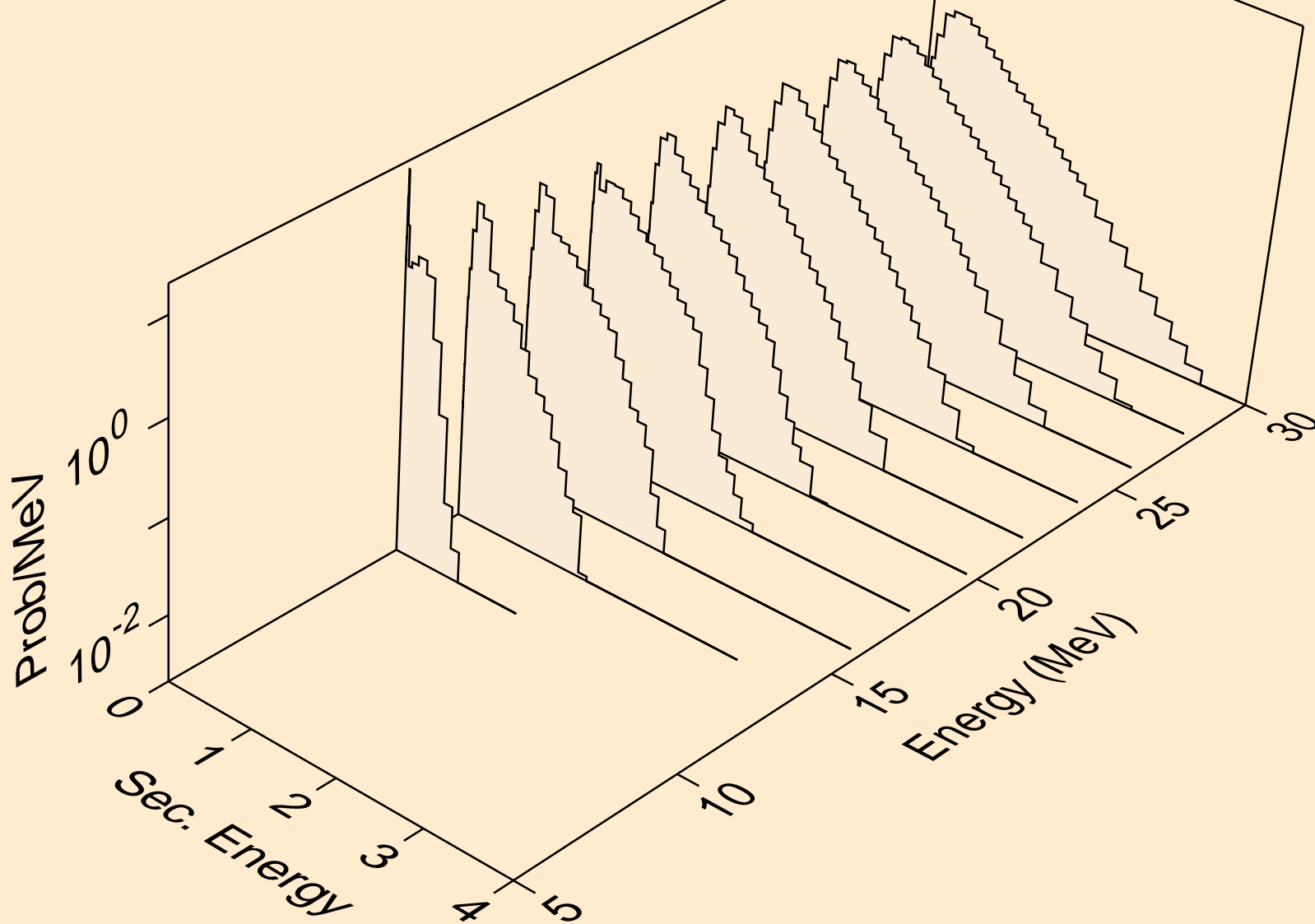
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)2a



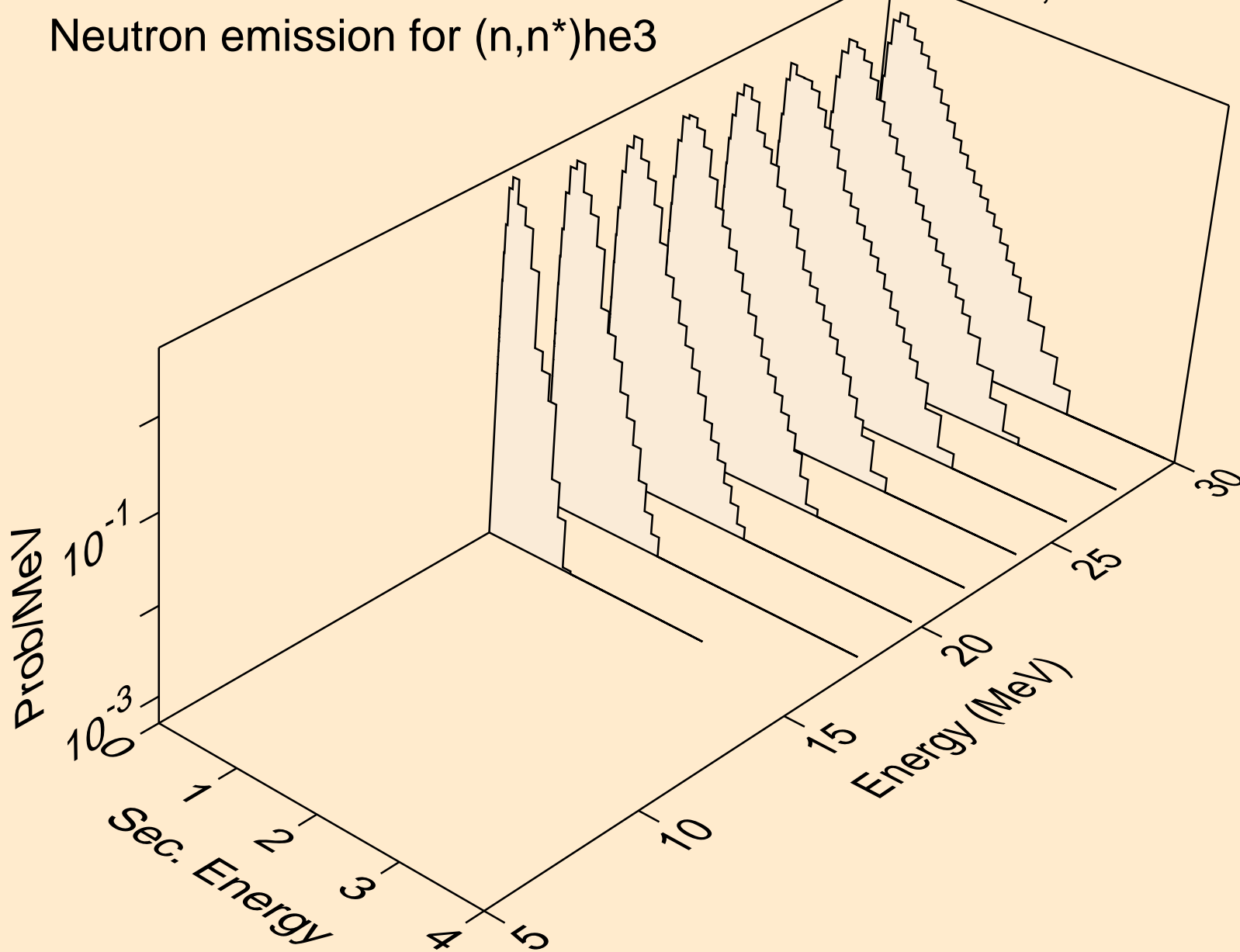
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d



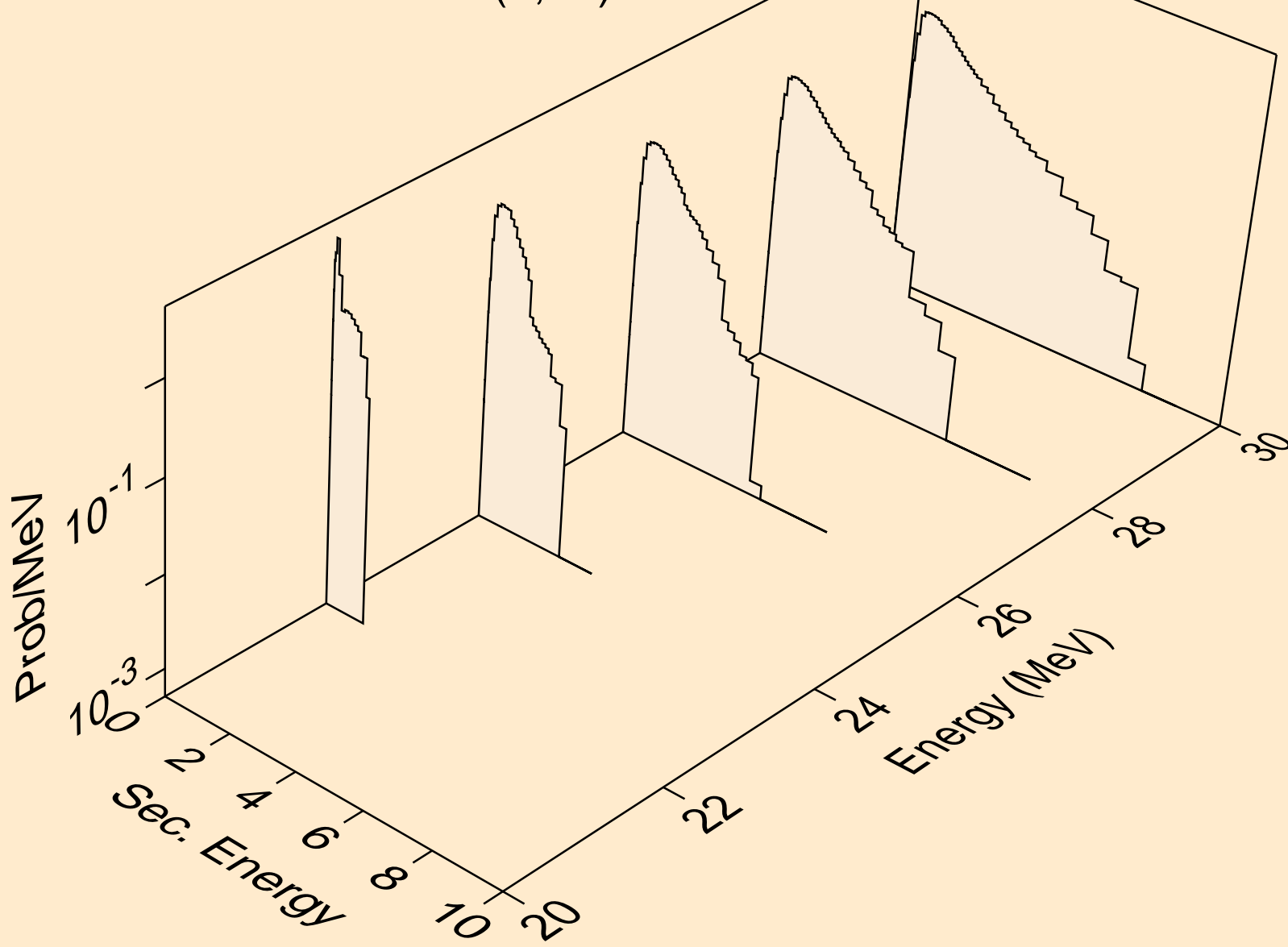
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



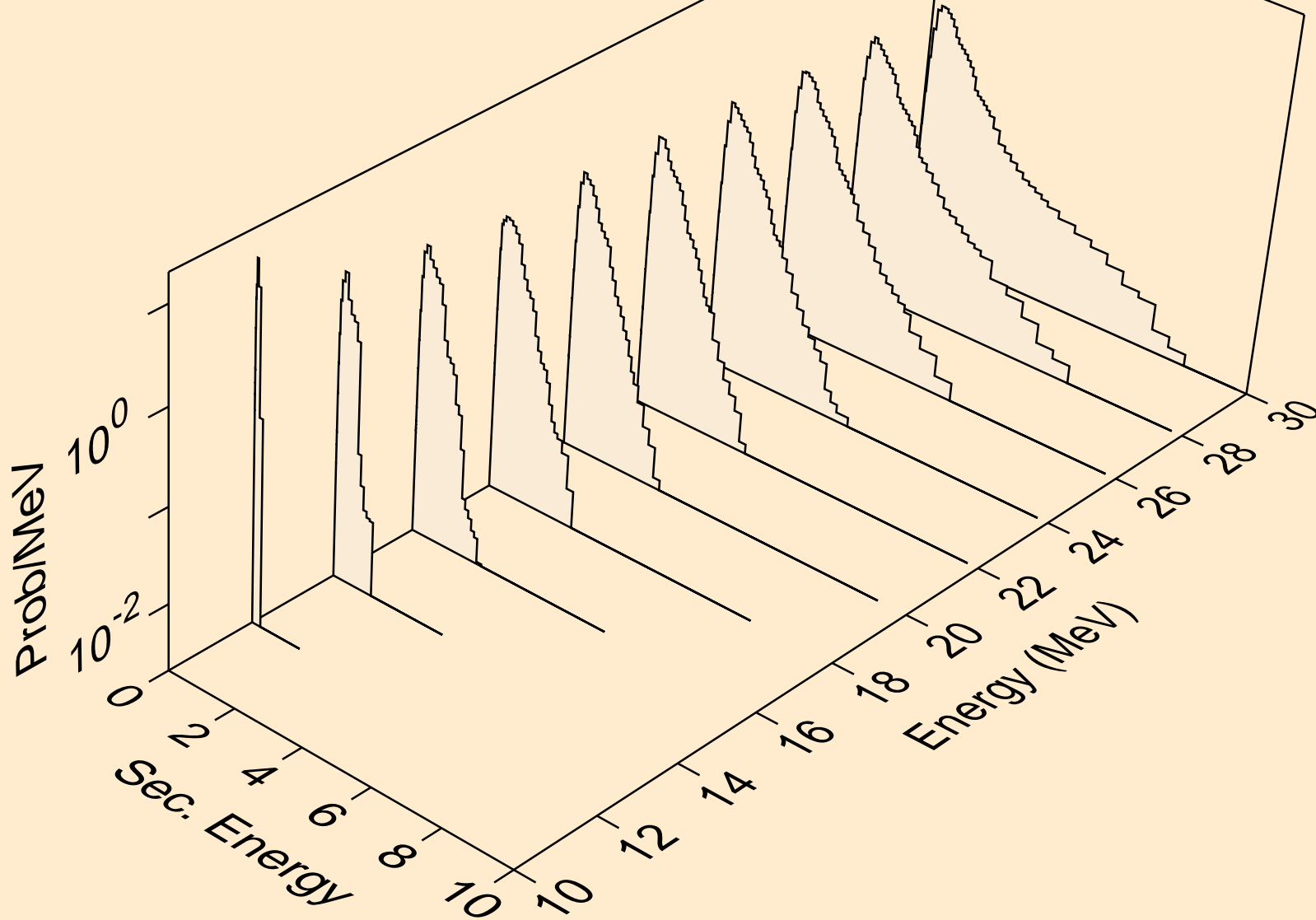
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



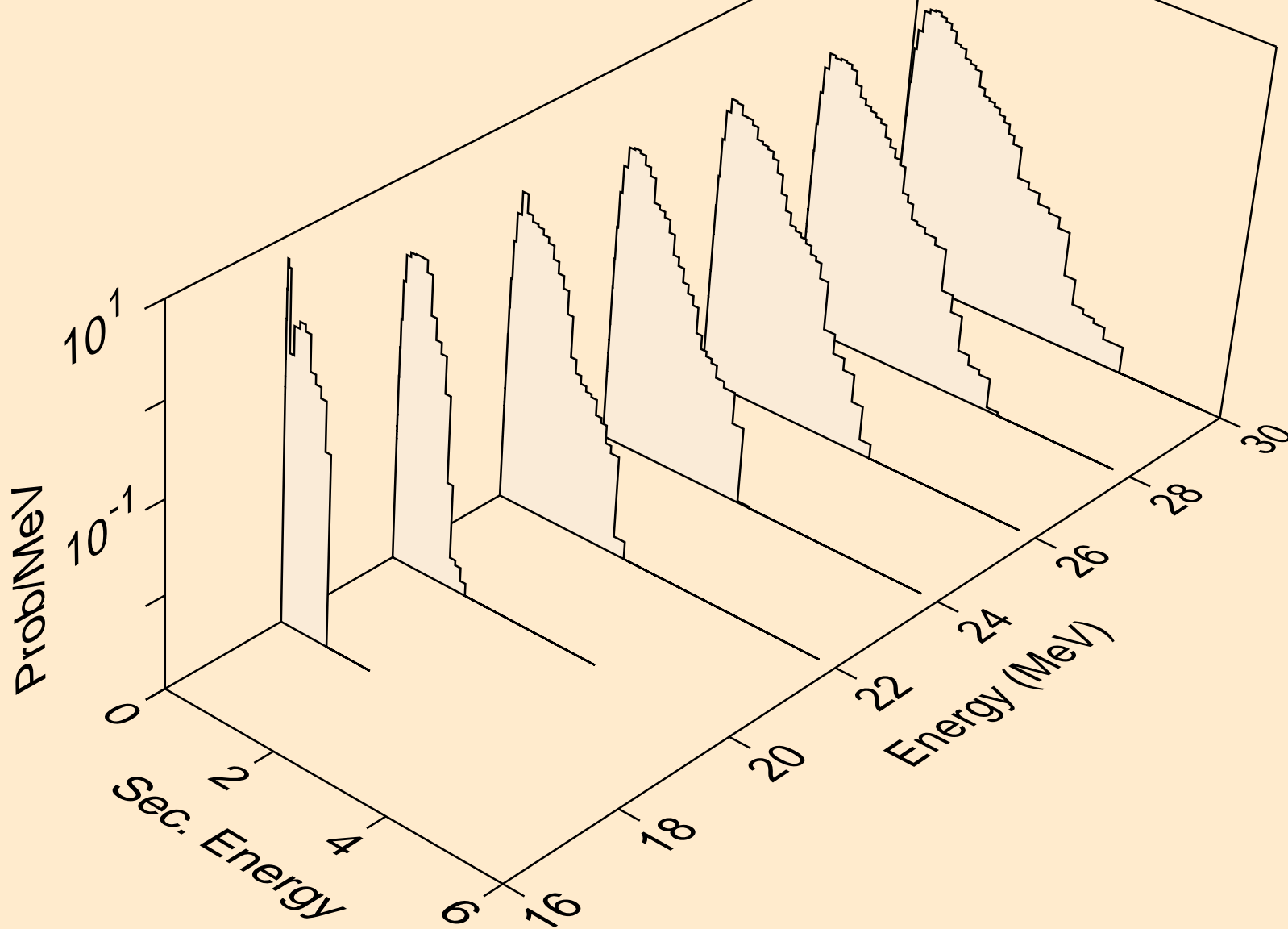
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)



MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)

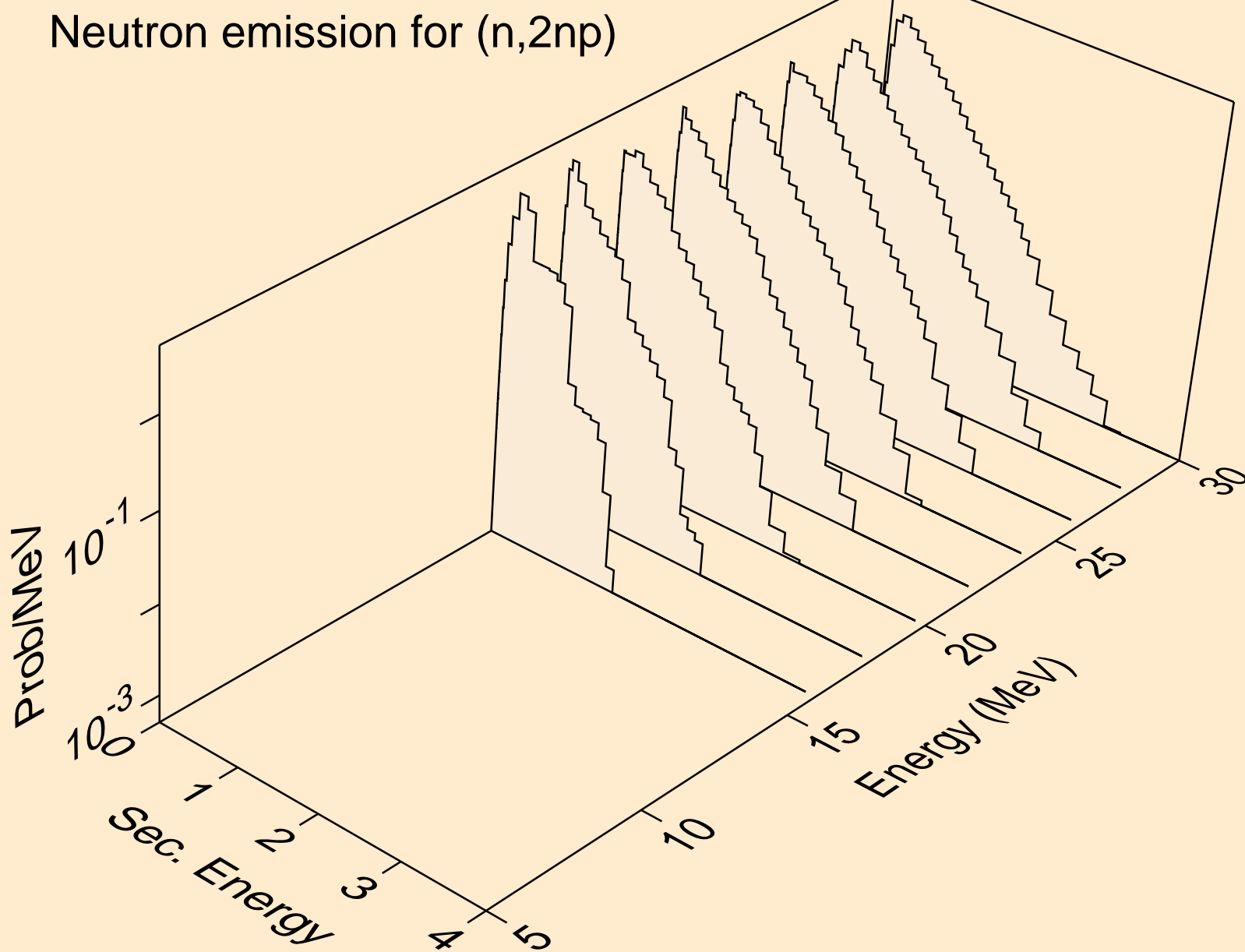


MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)

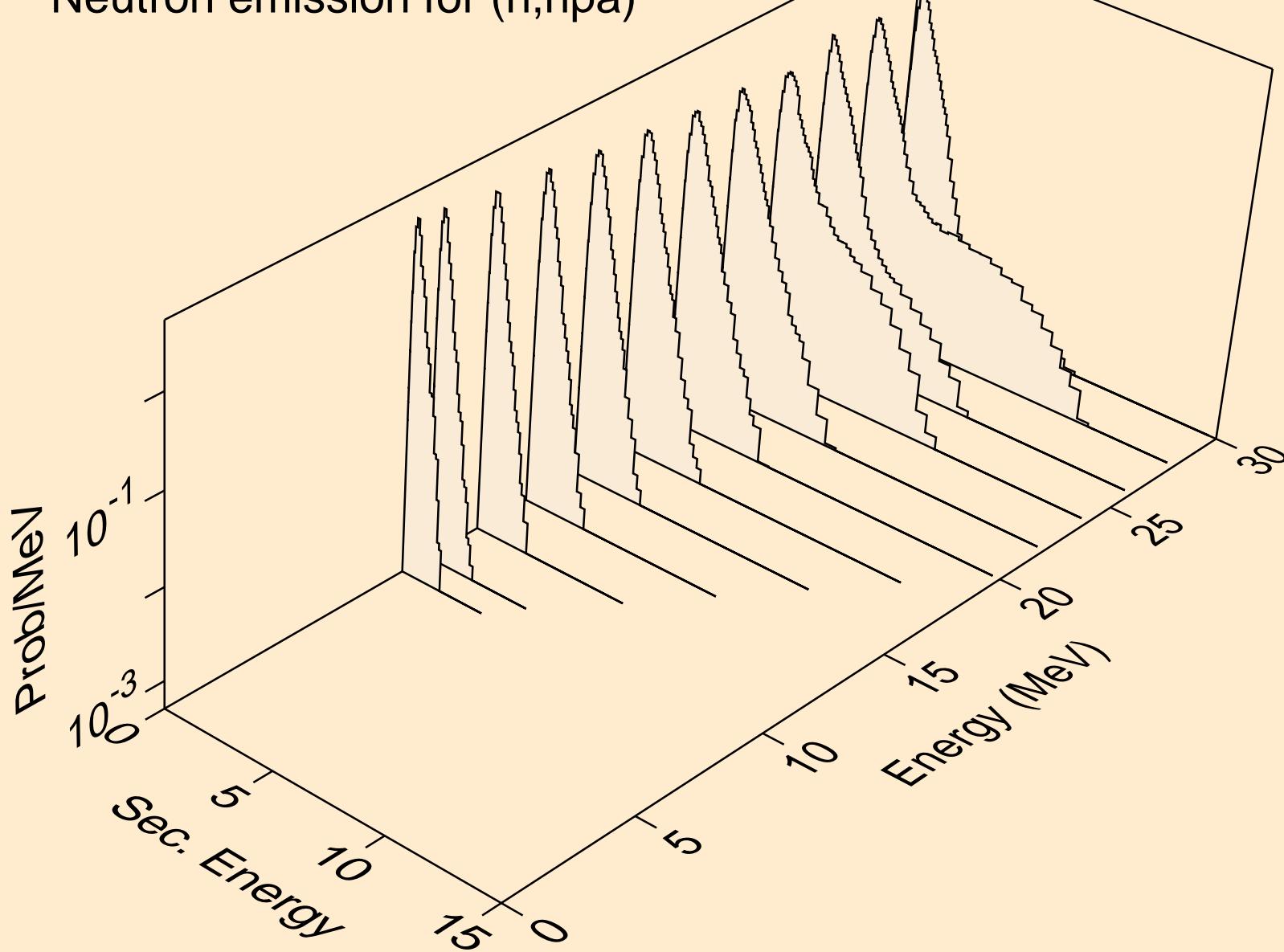




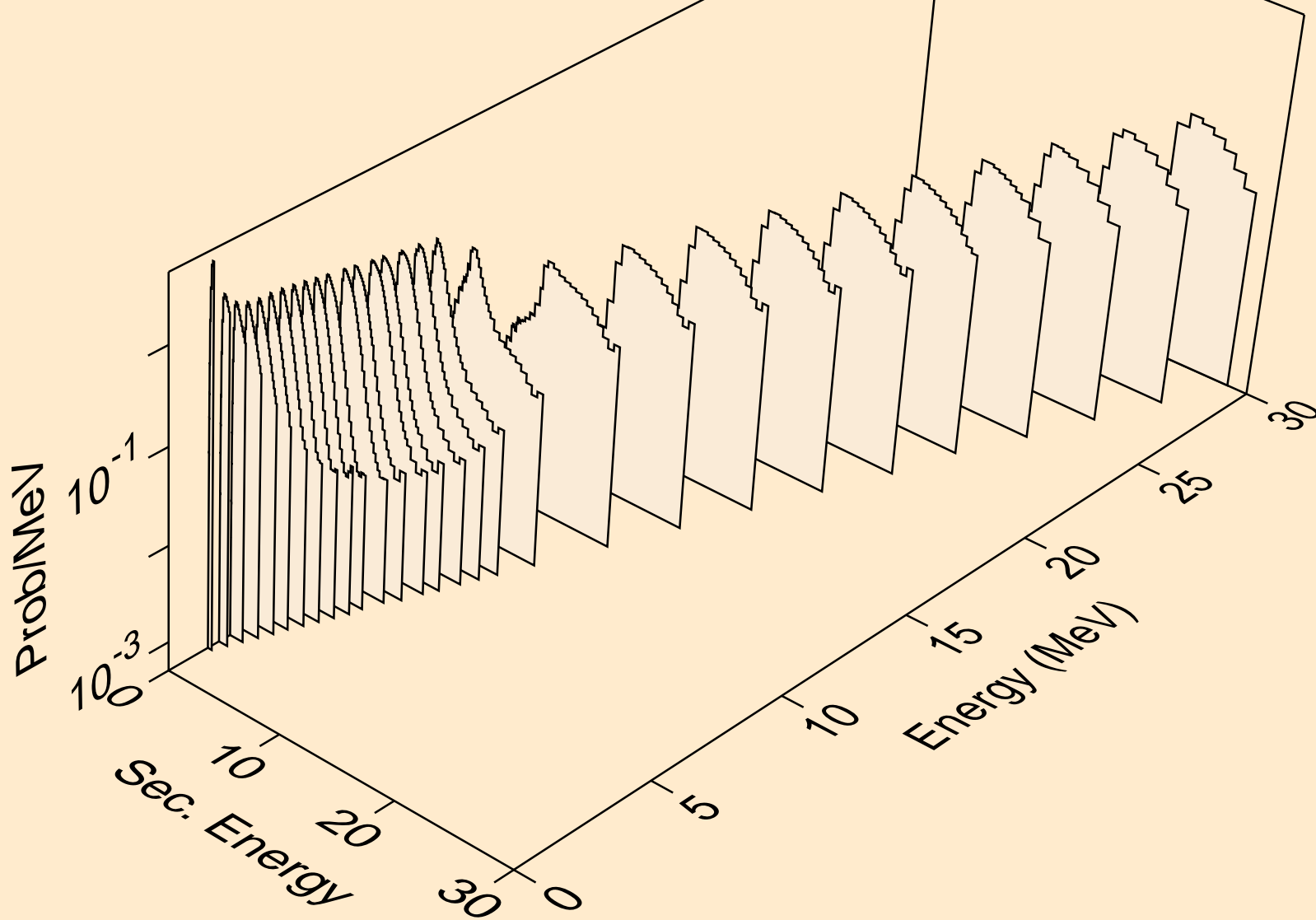
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,npa)

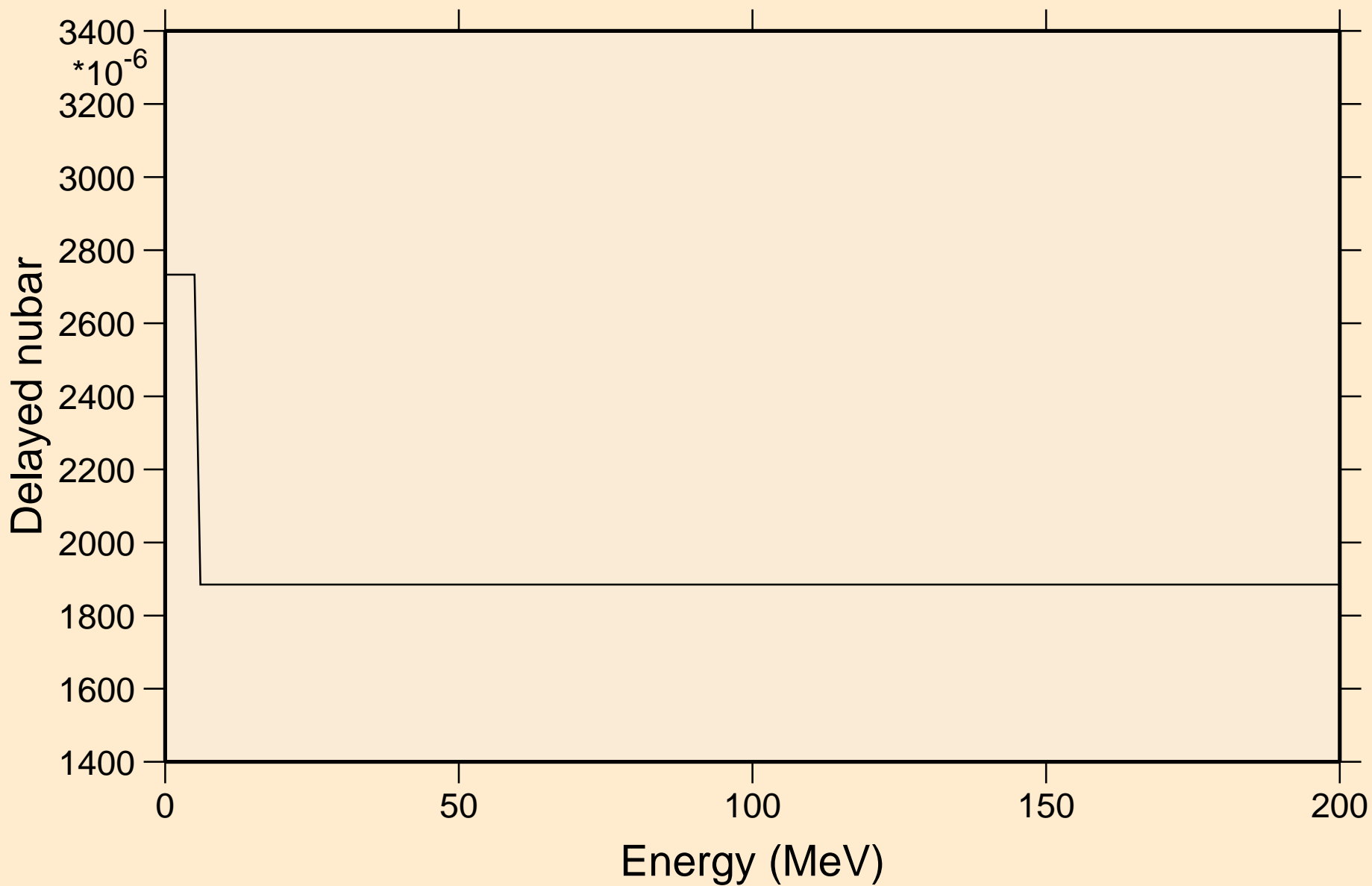


MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)



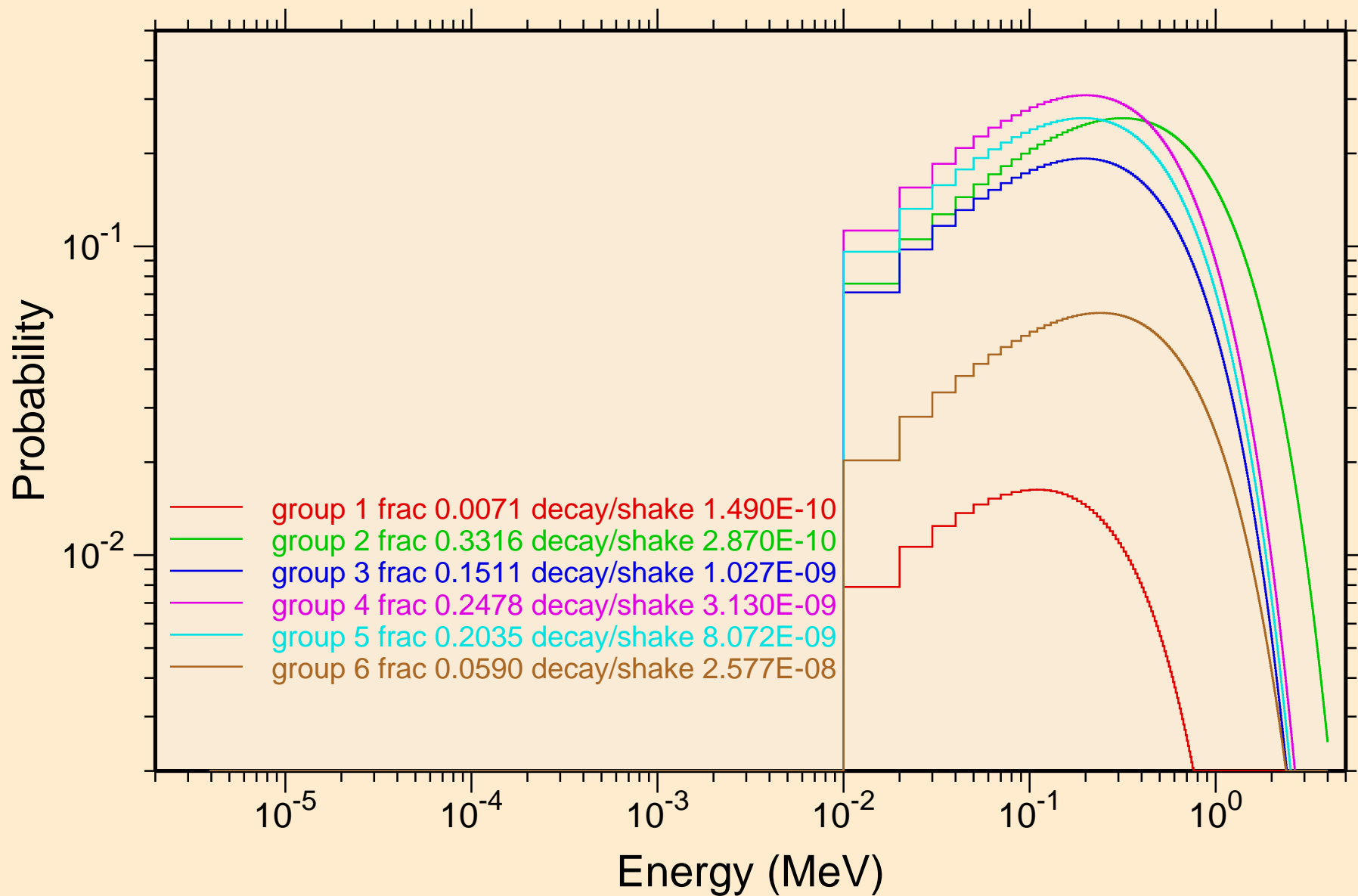
# MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Delayed nubar

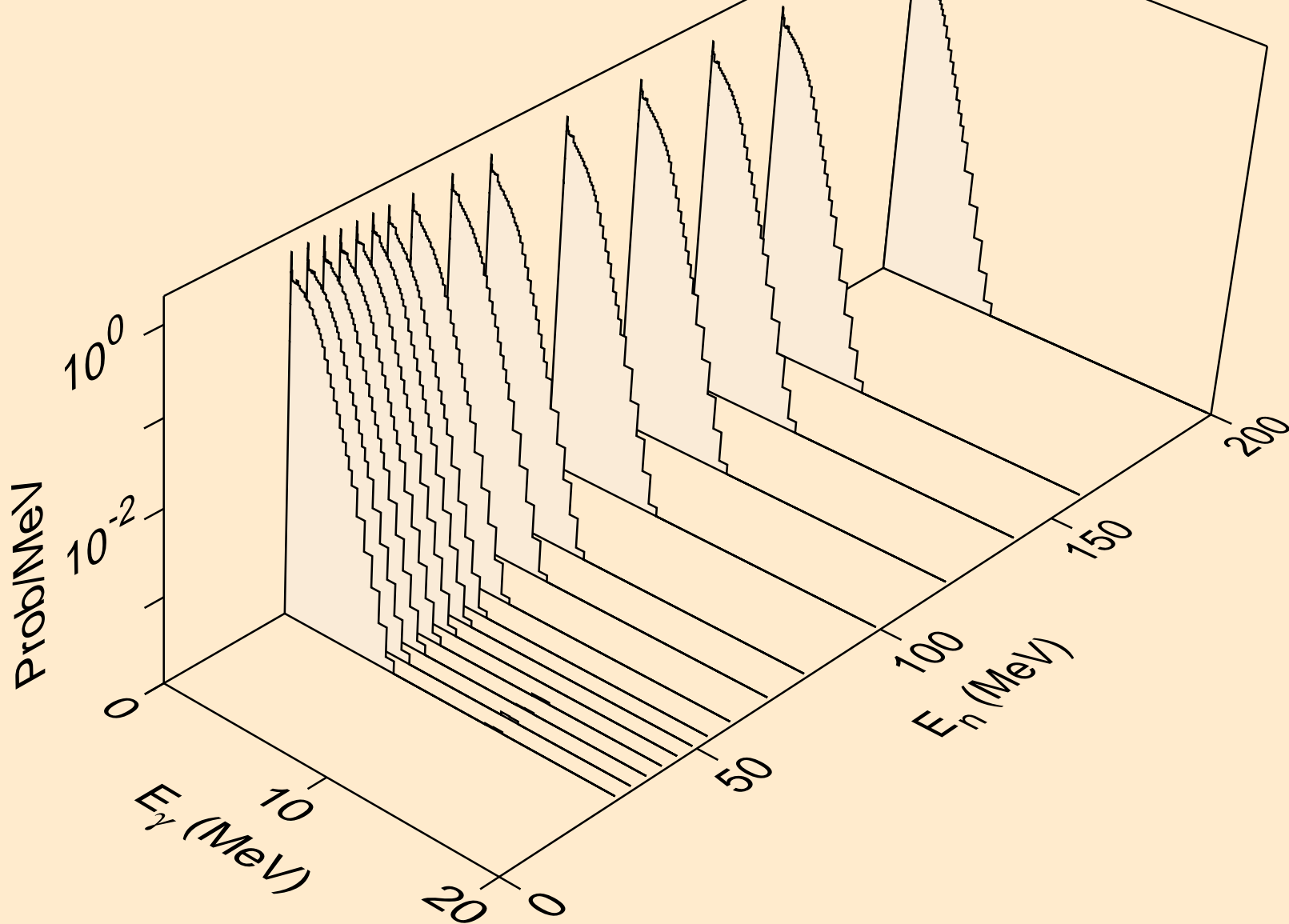


# MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

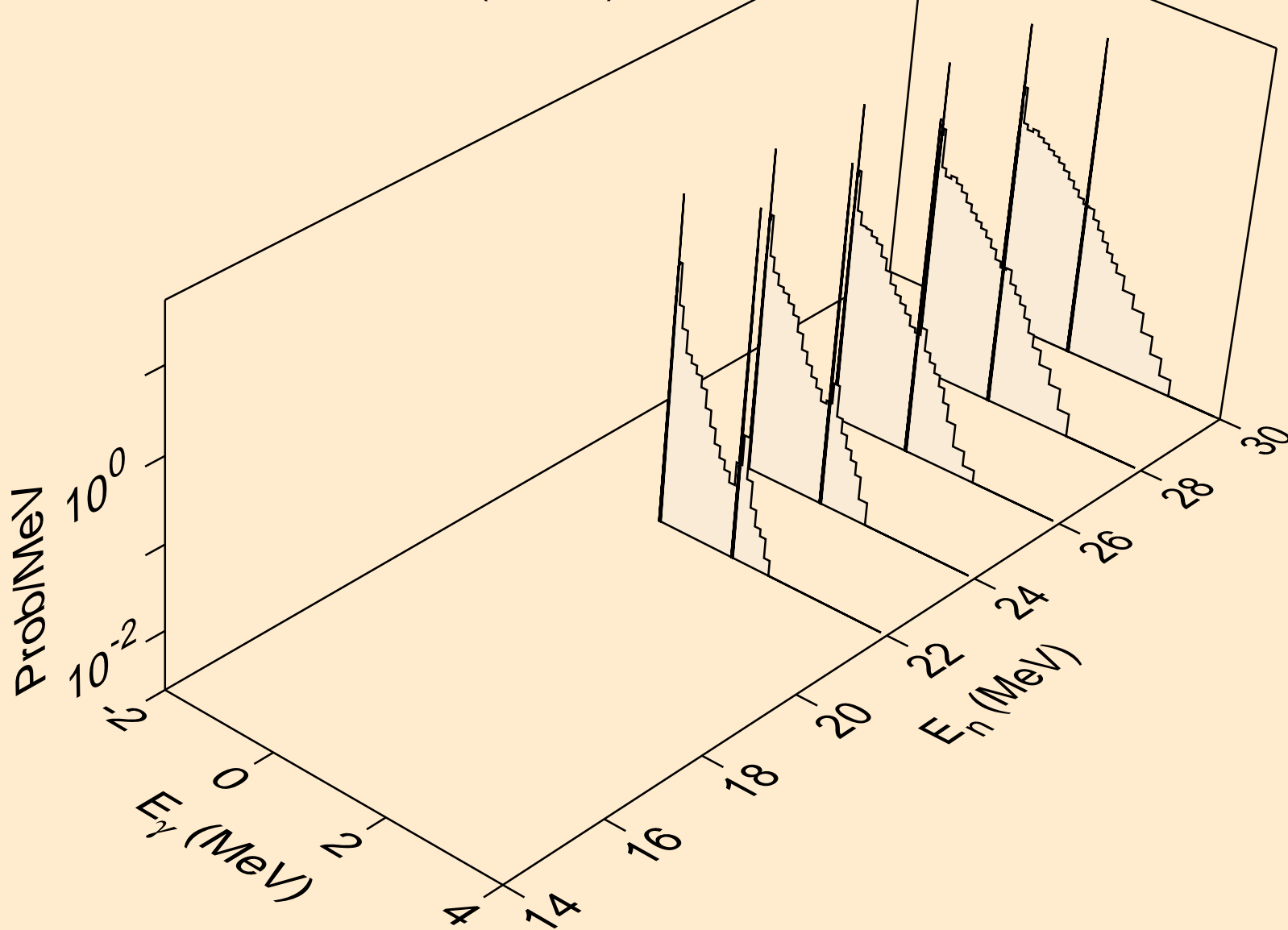
## Delayed neutron spectra



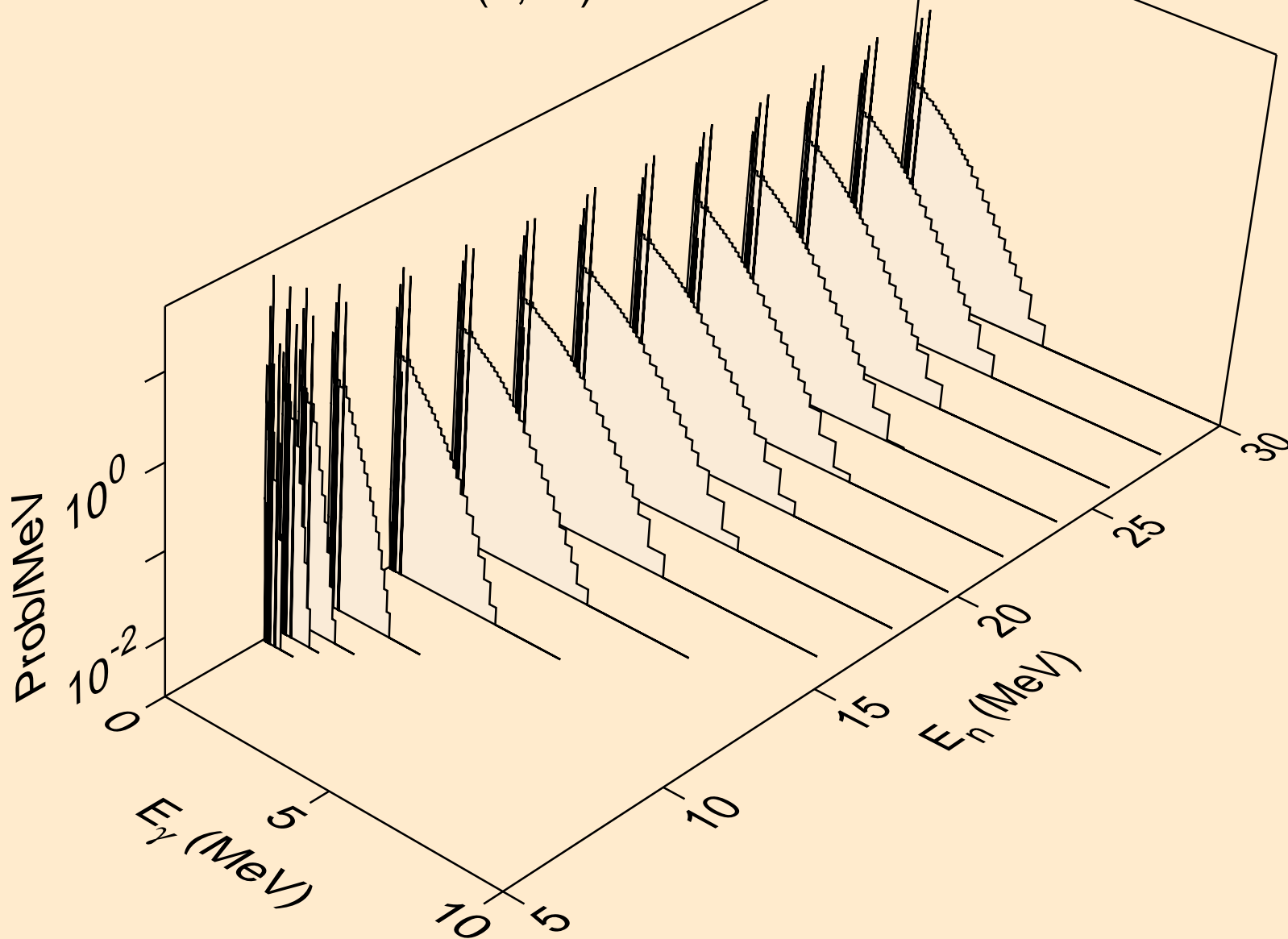
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)



MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)

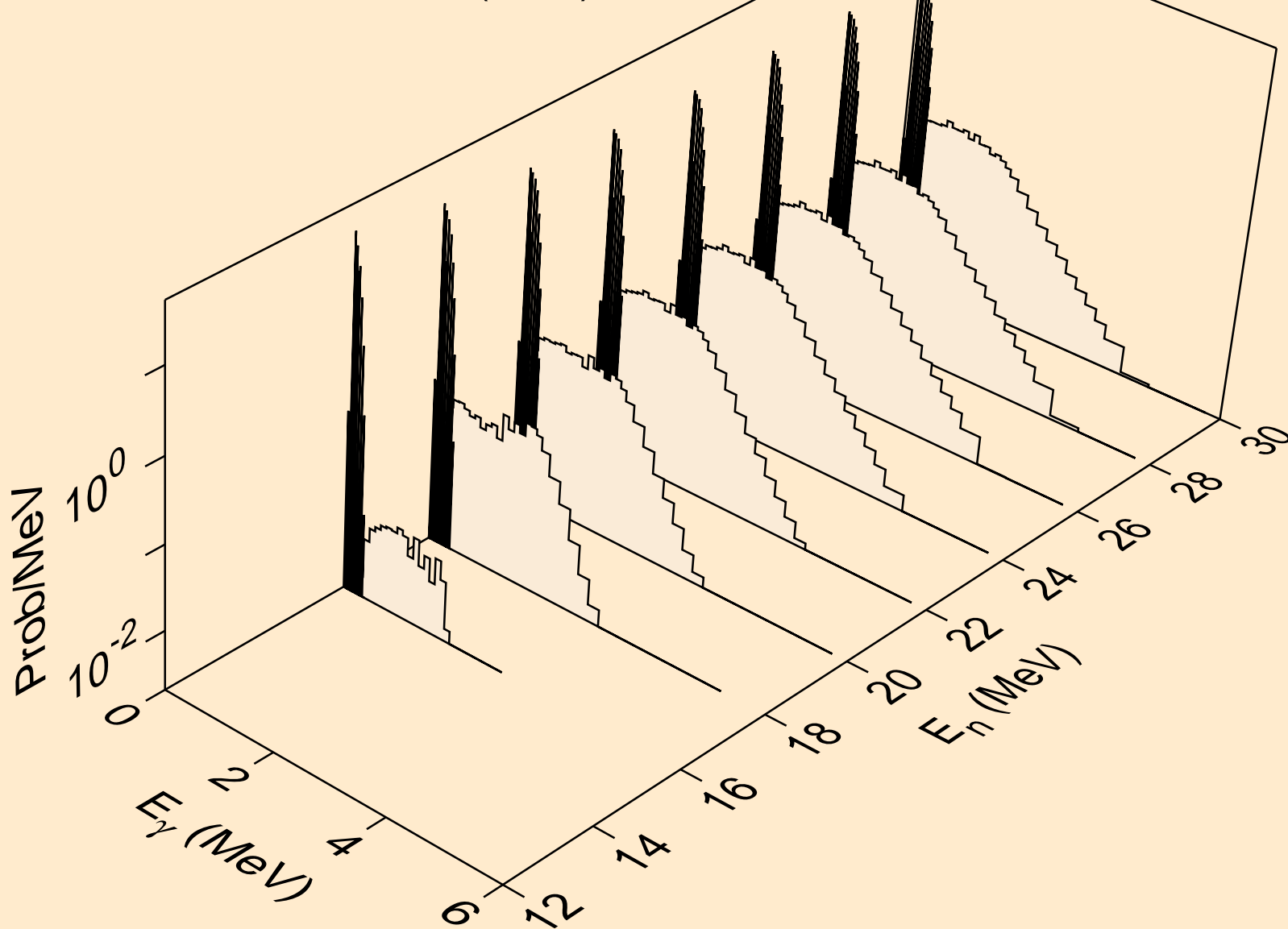


MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)

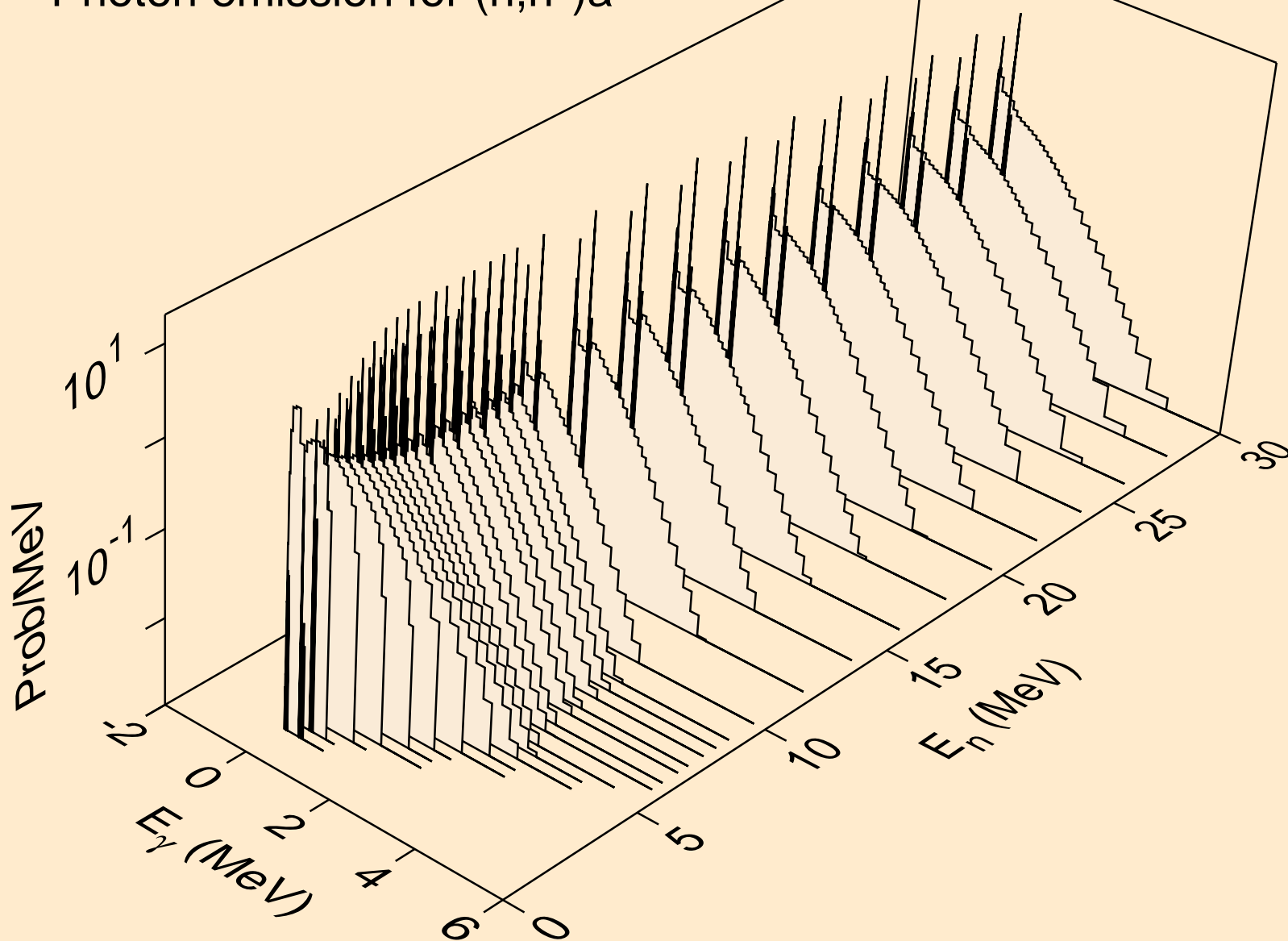




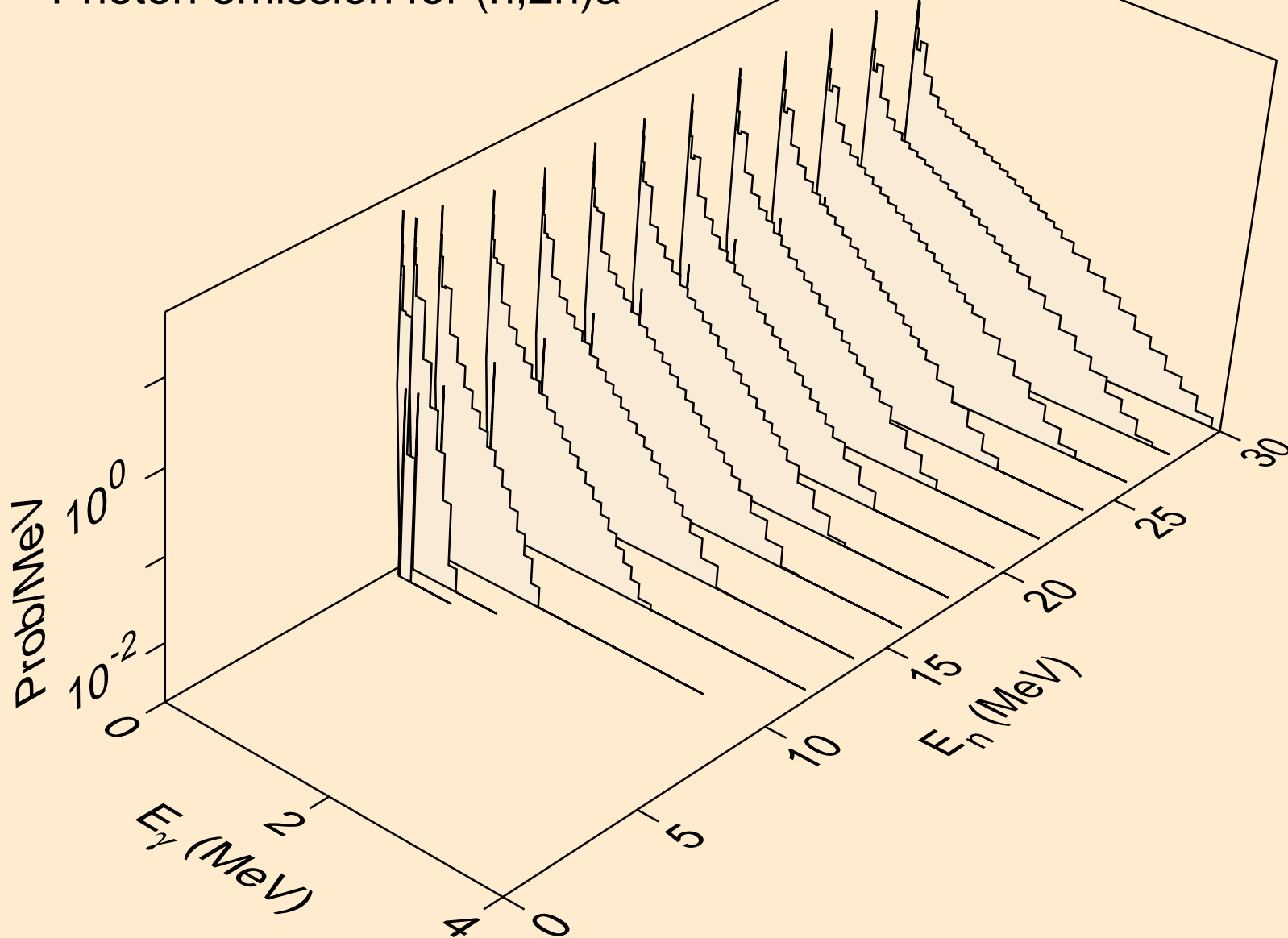
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)



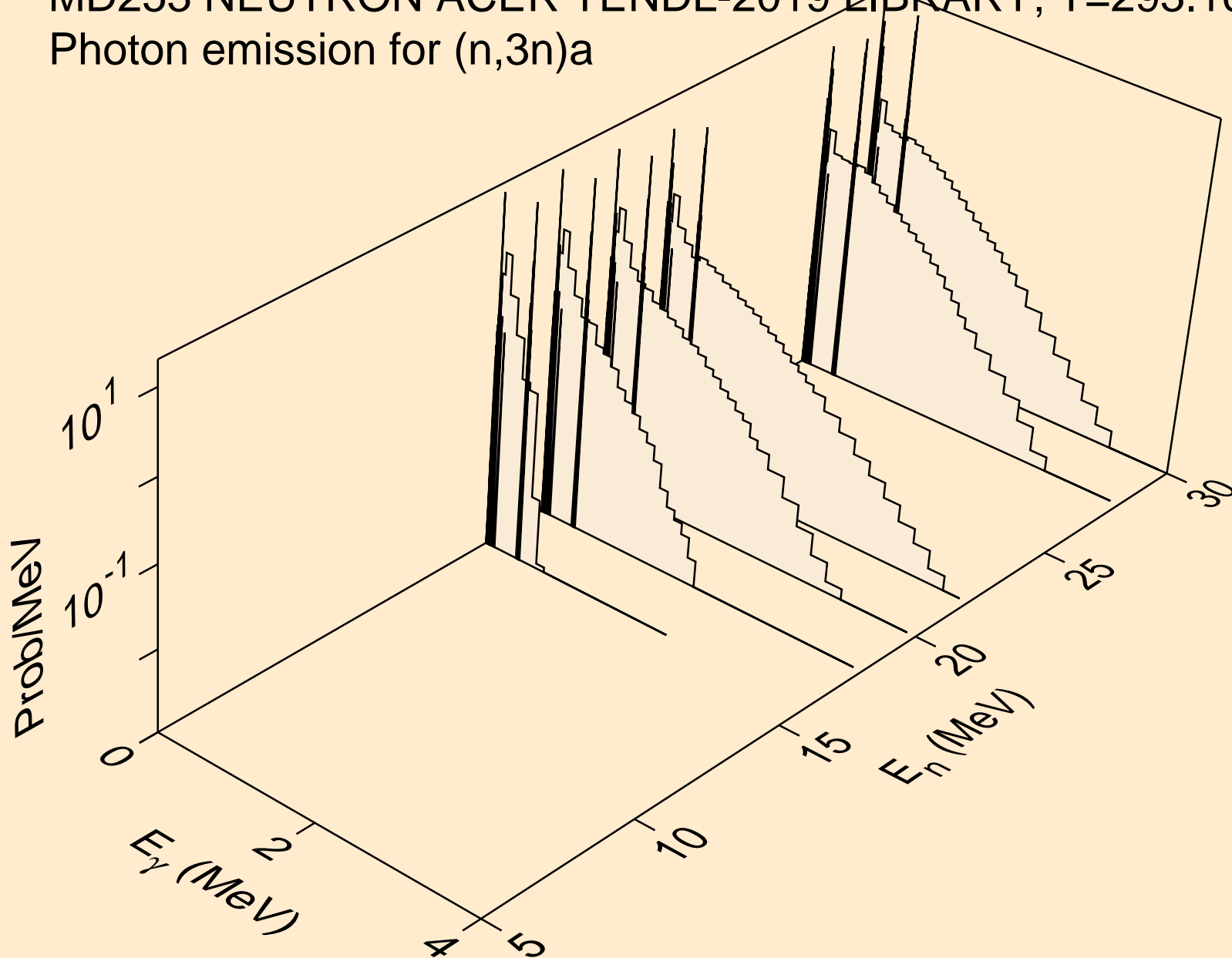
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a



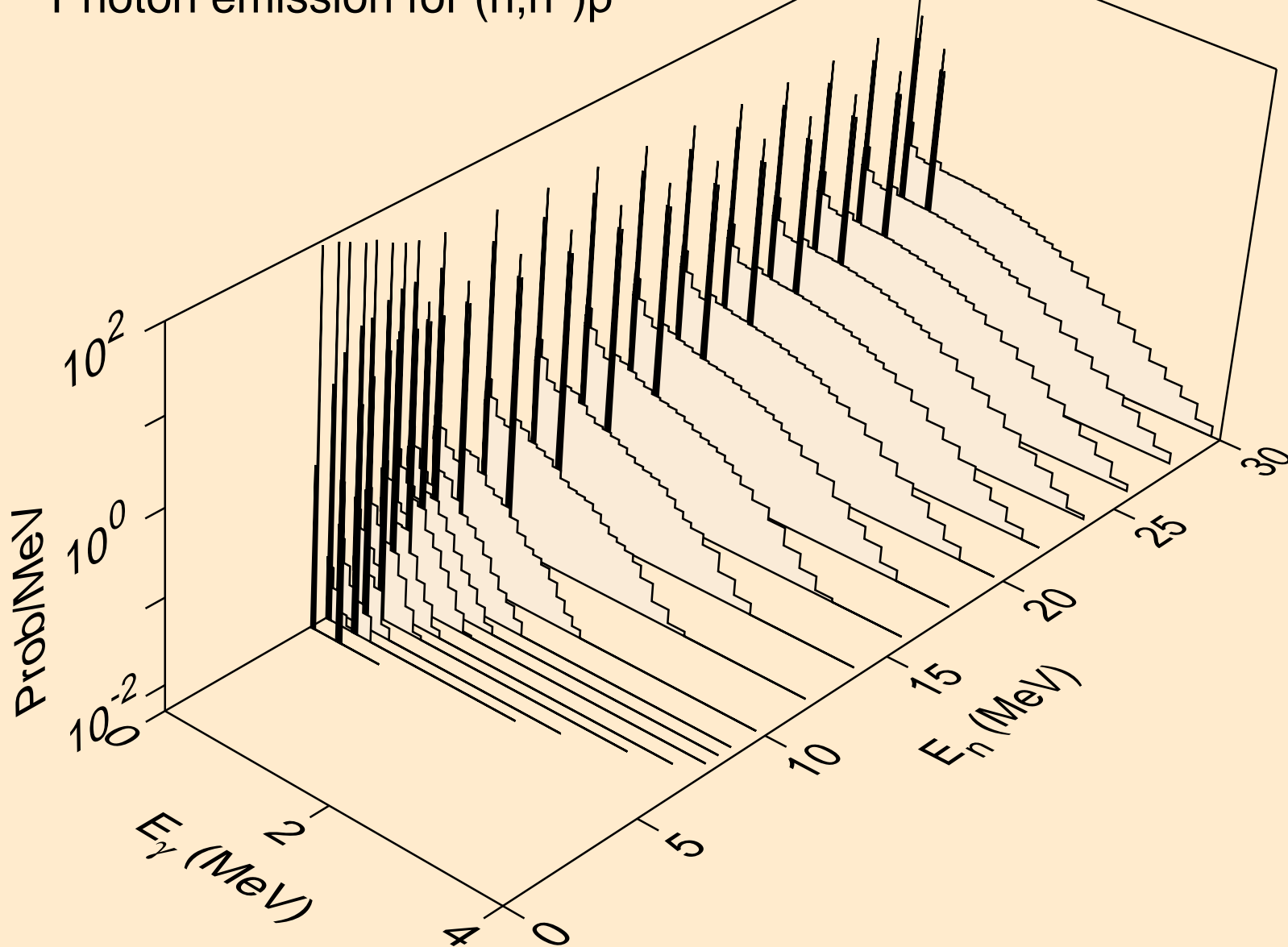
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Photon emission for (n,2n)a



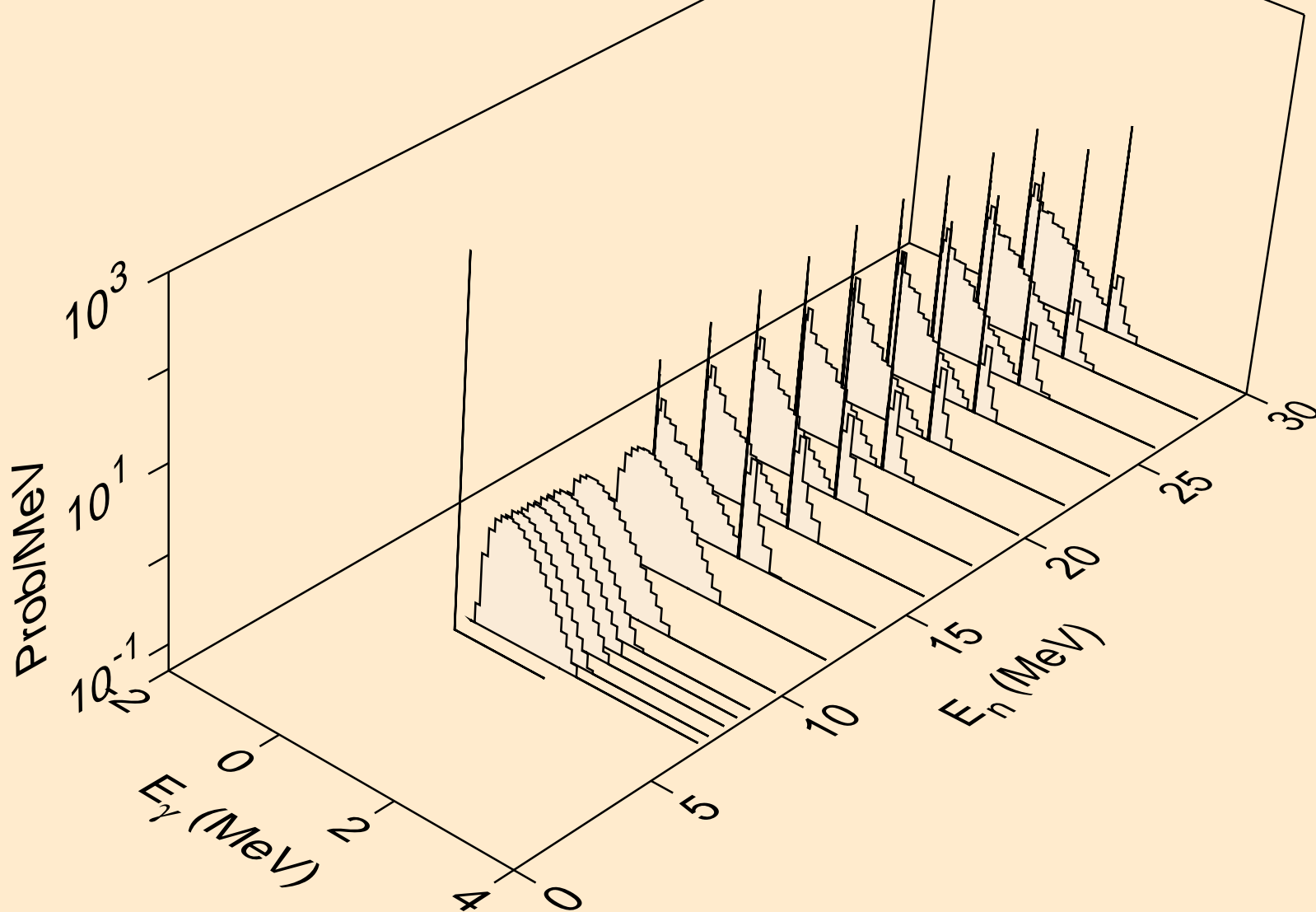
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n) $\alpha$



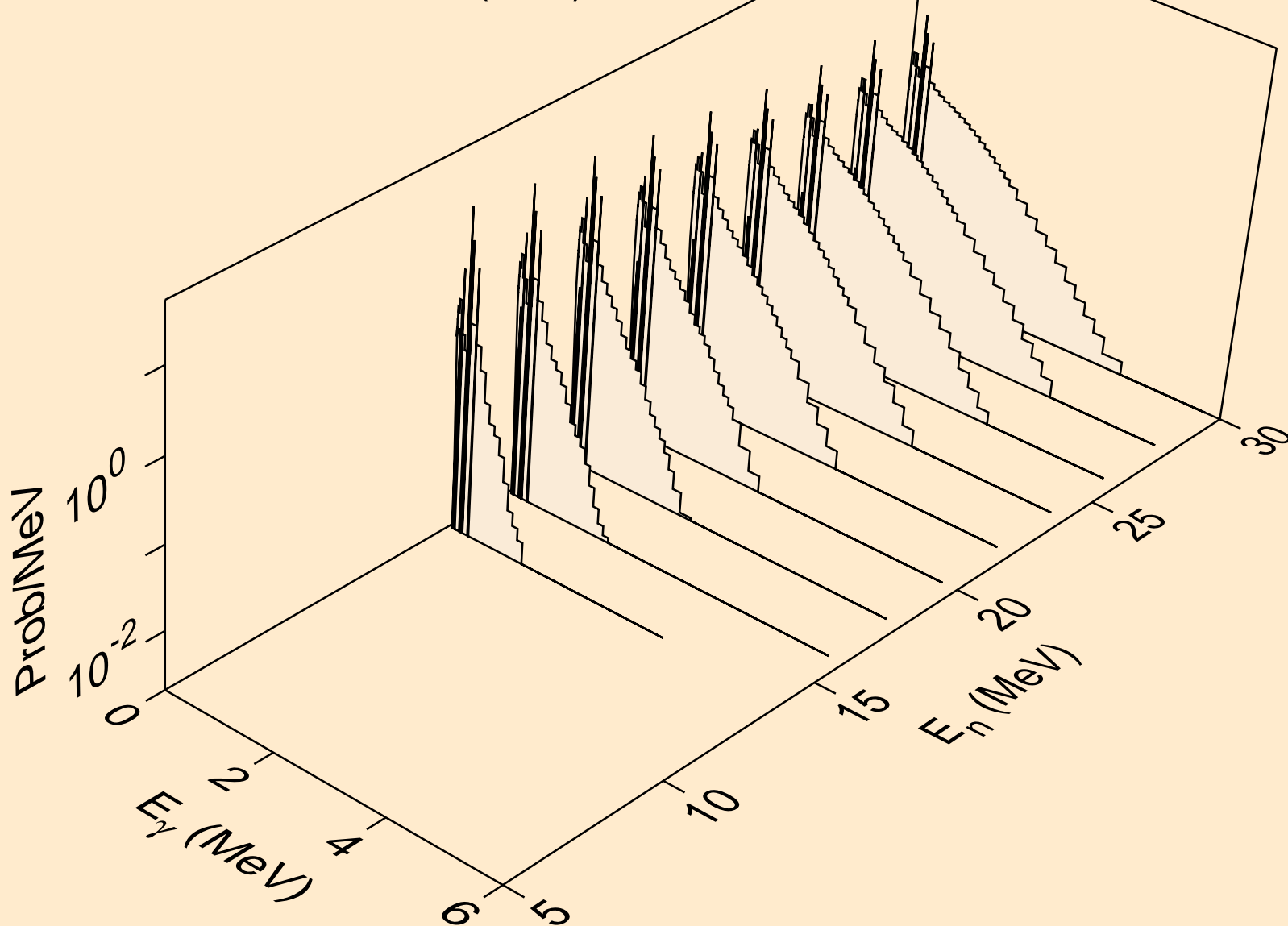
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p



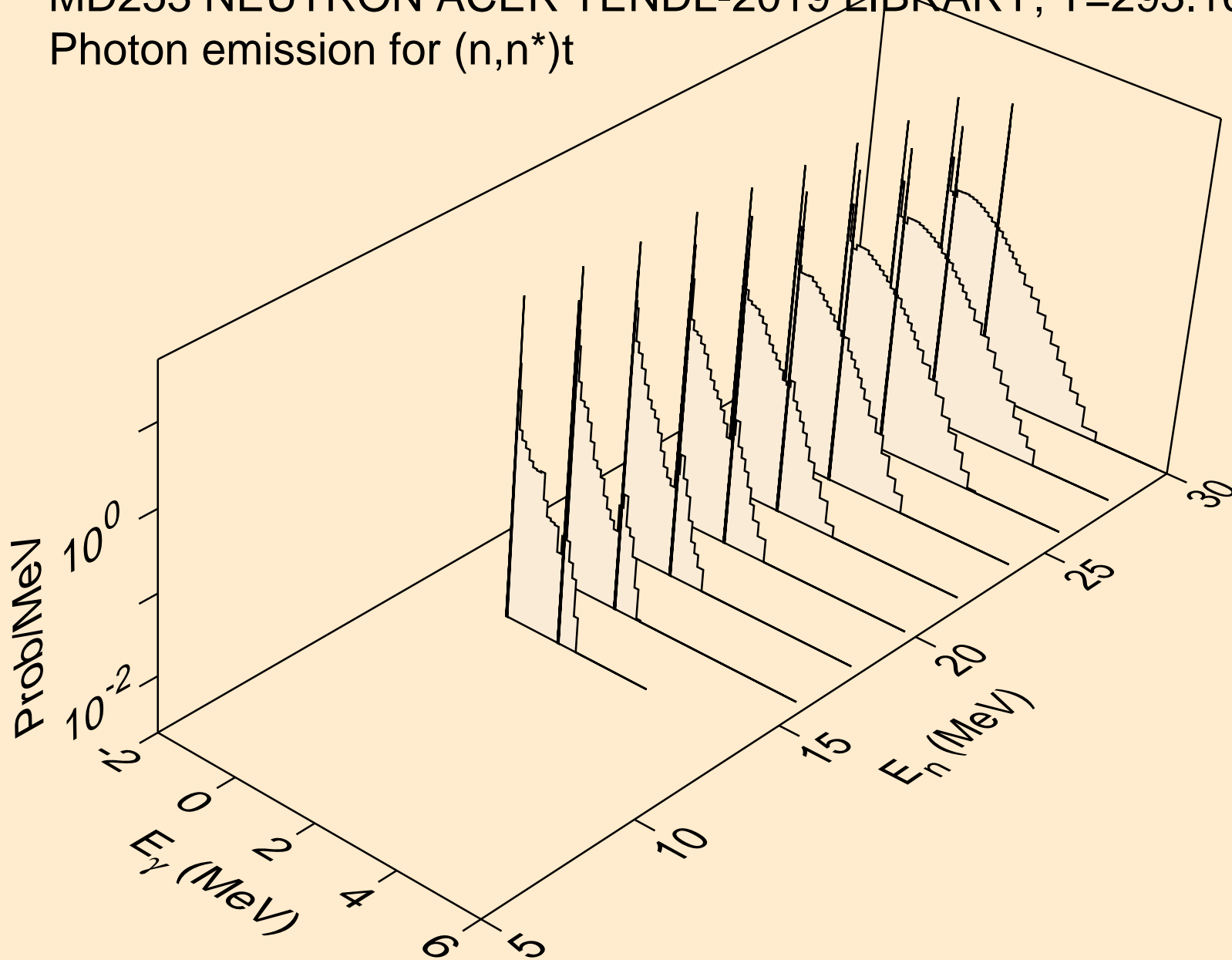
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)2a



MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d

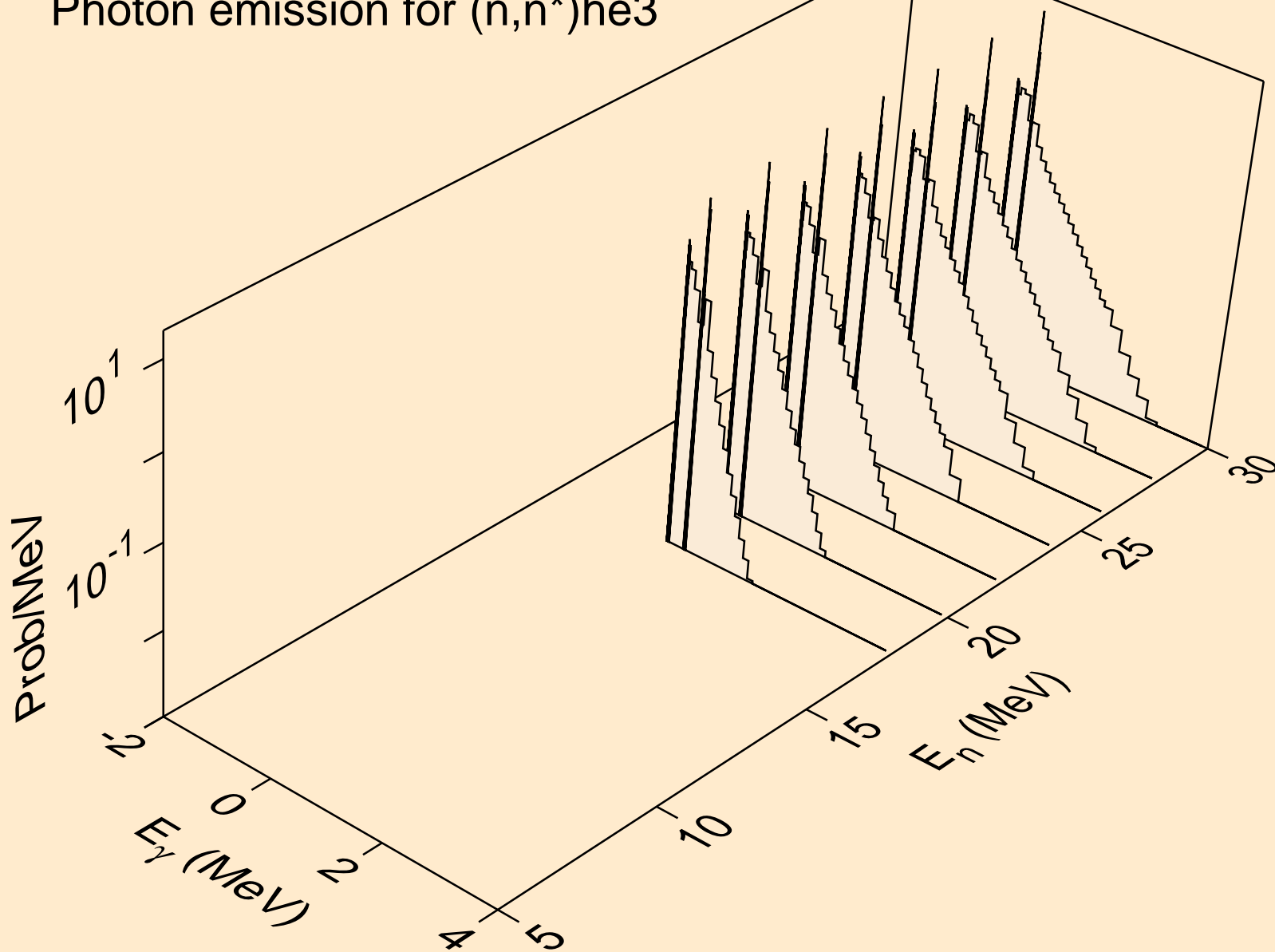


MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t

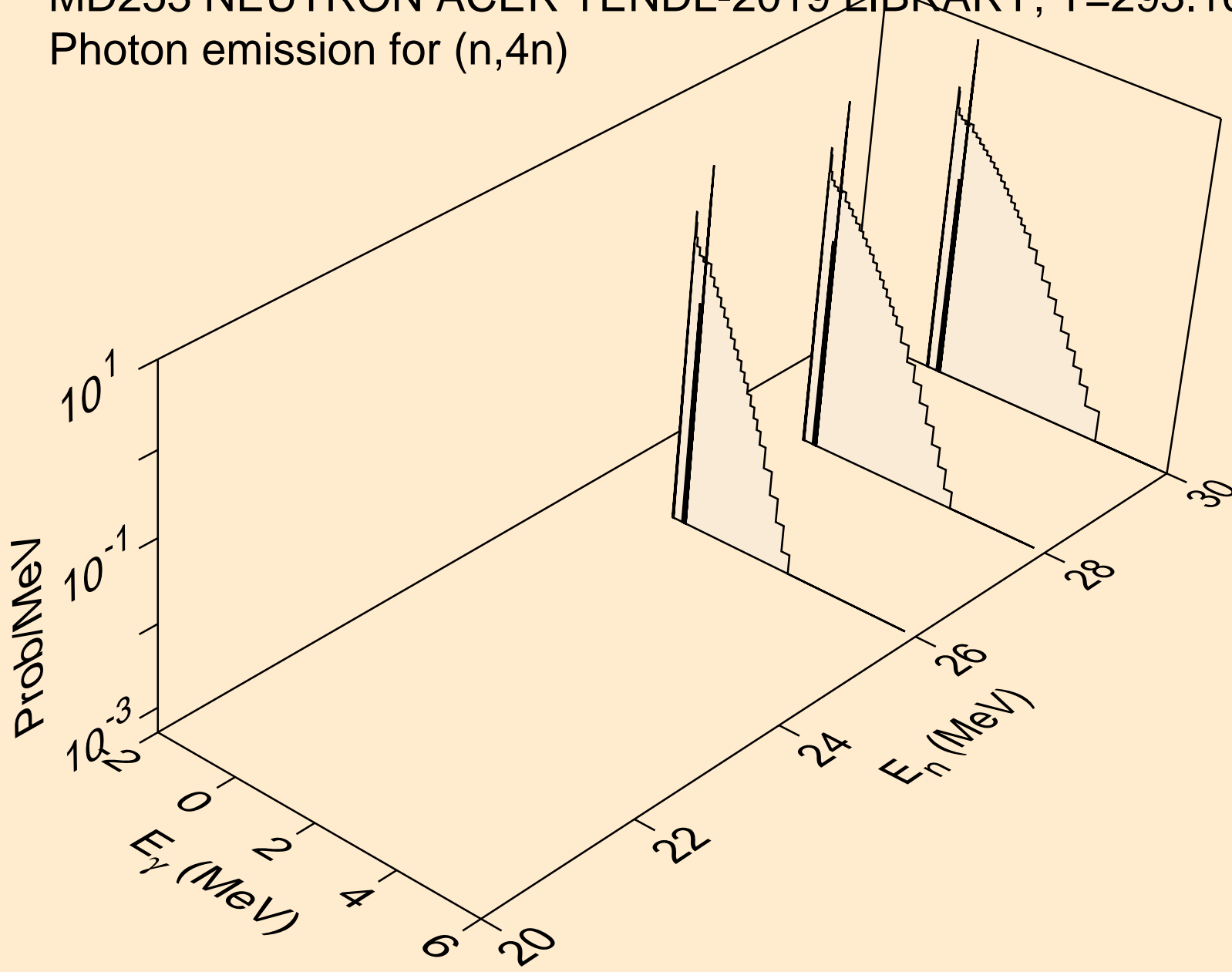




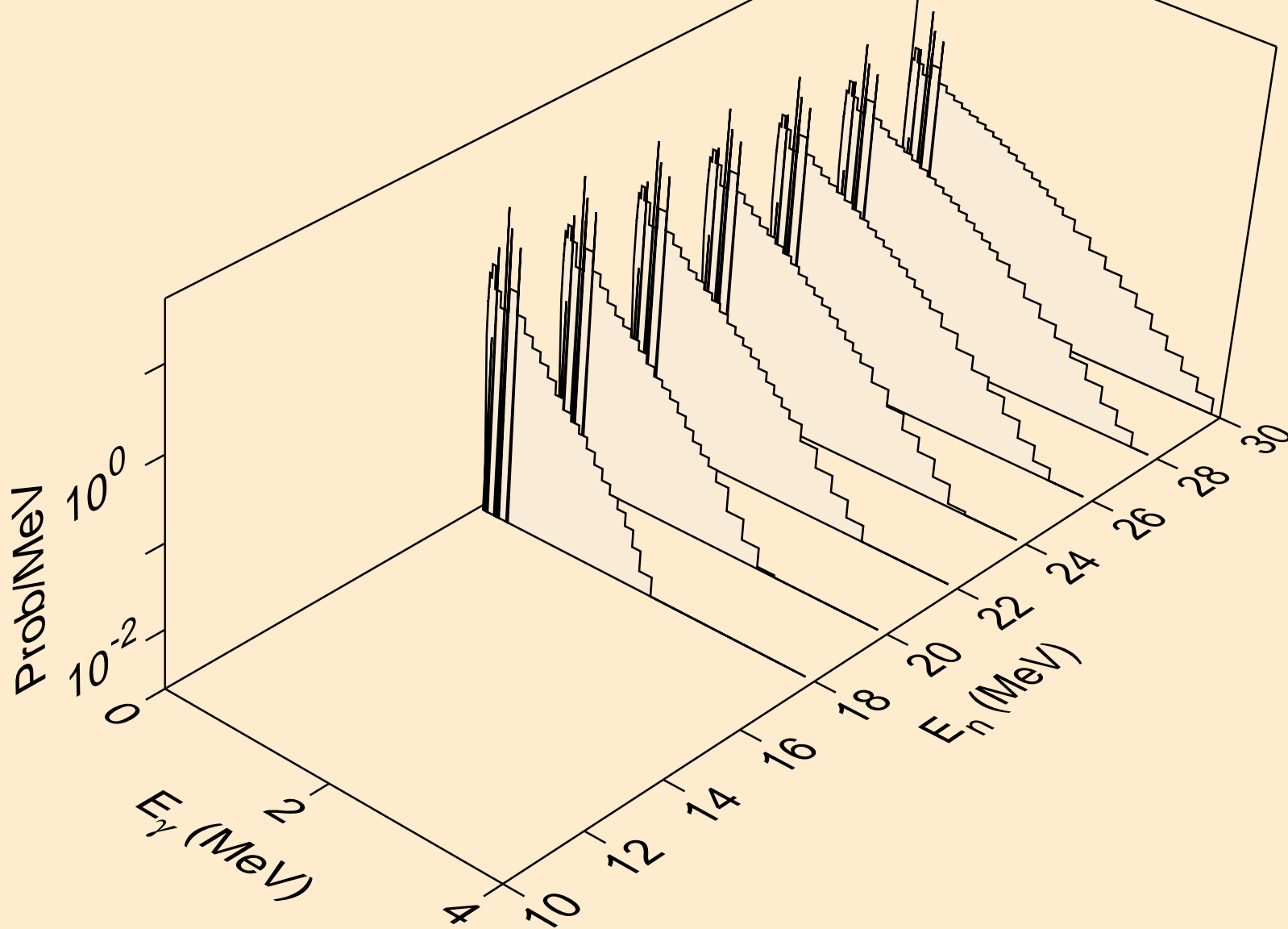
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3



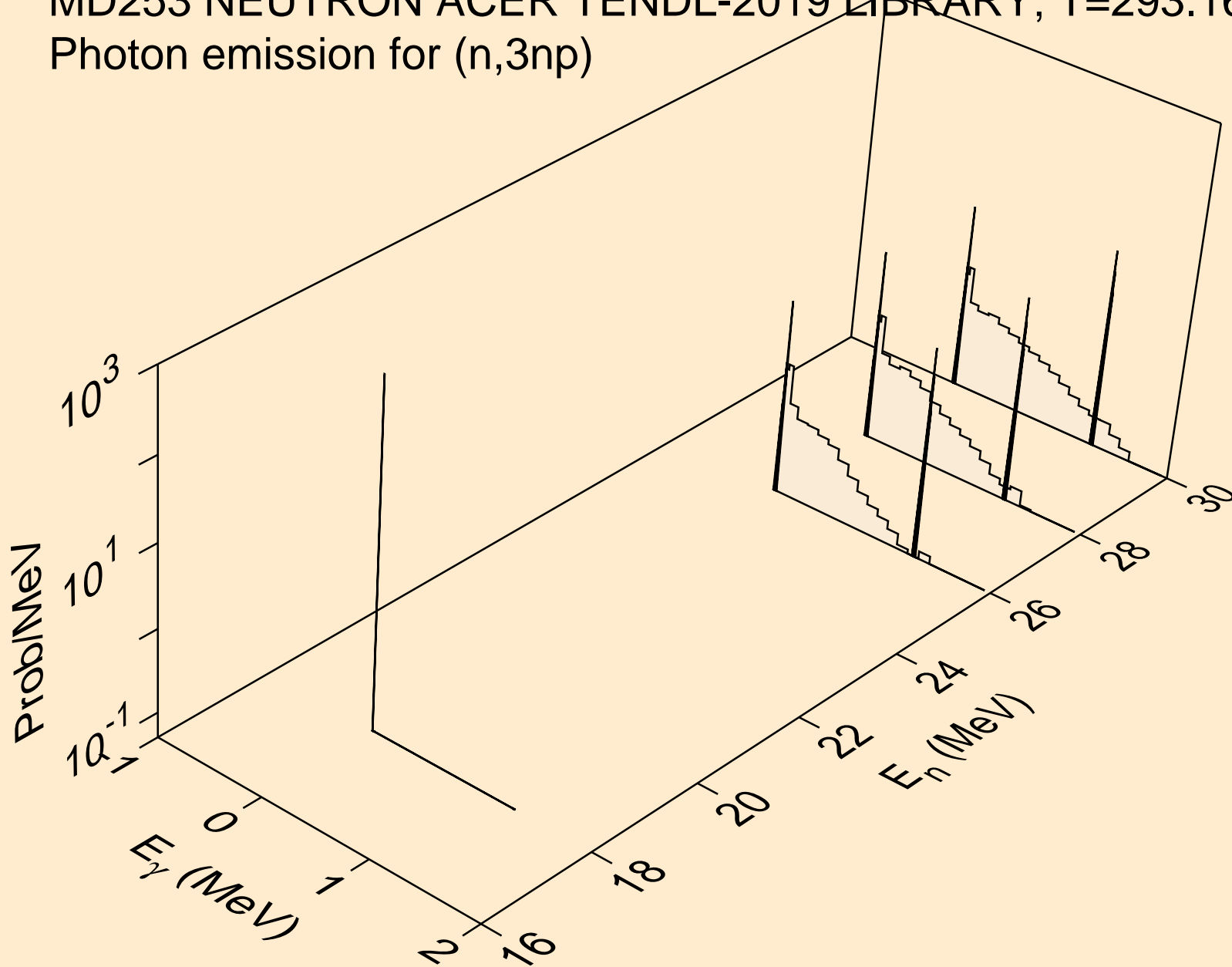
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,4n)



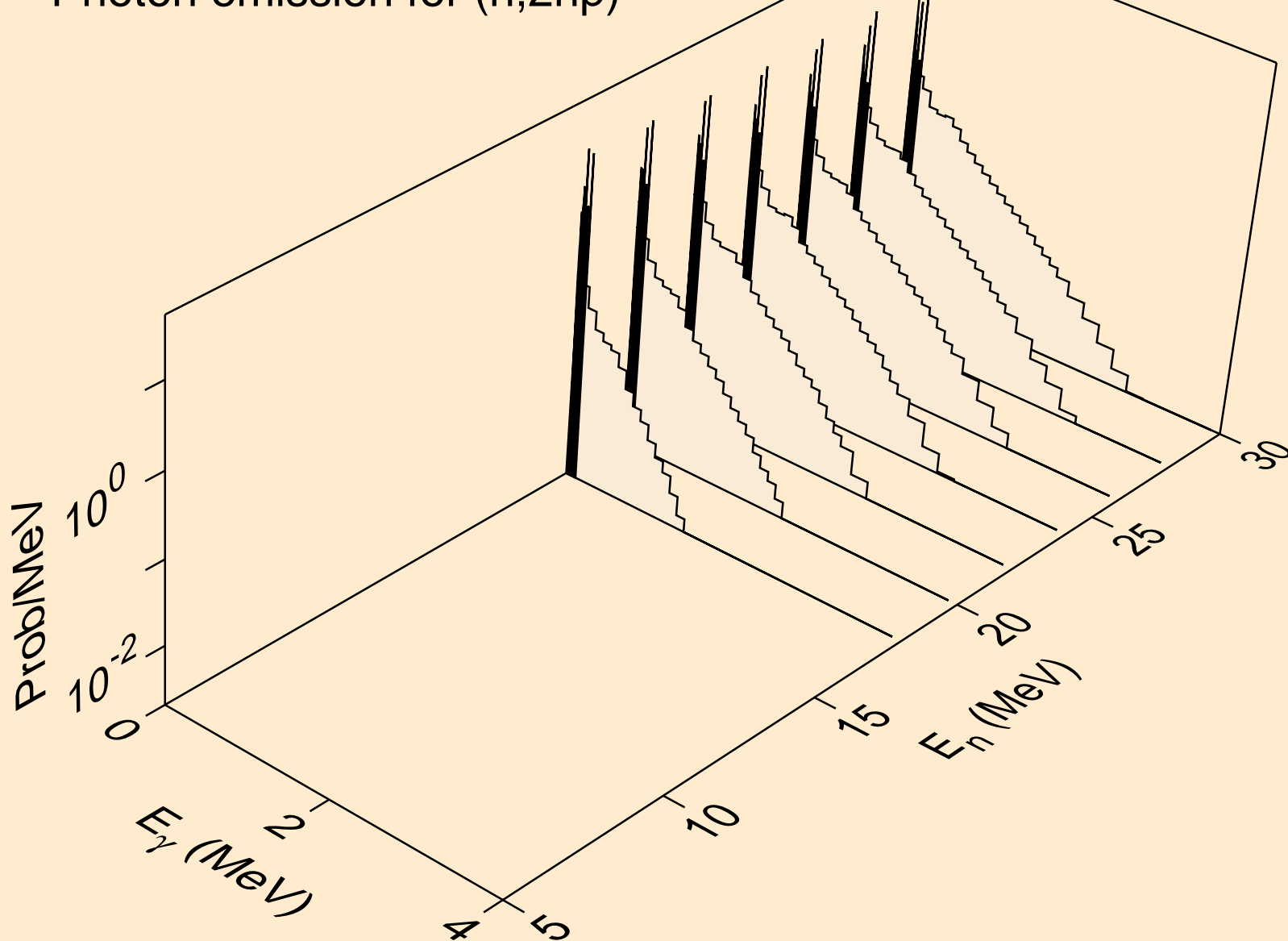
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Photon emission for (n,2np)



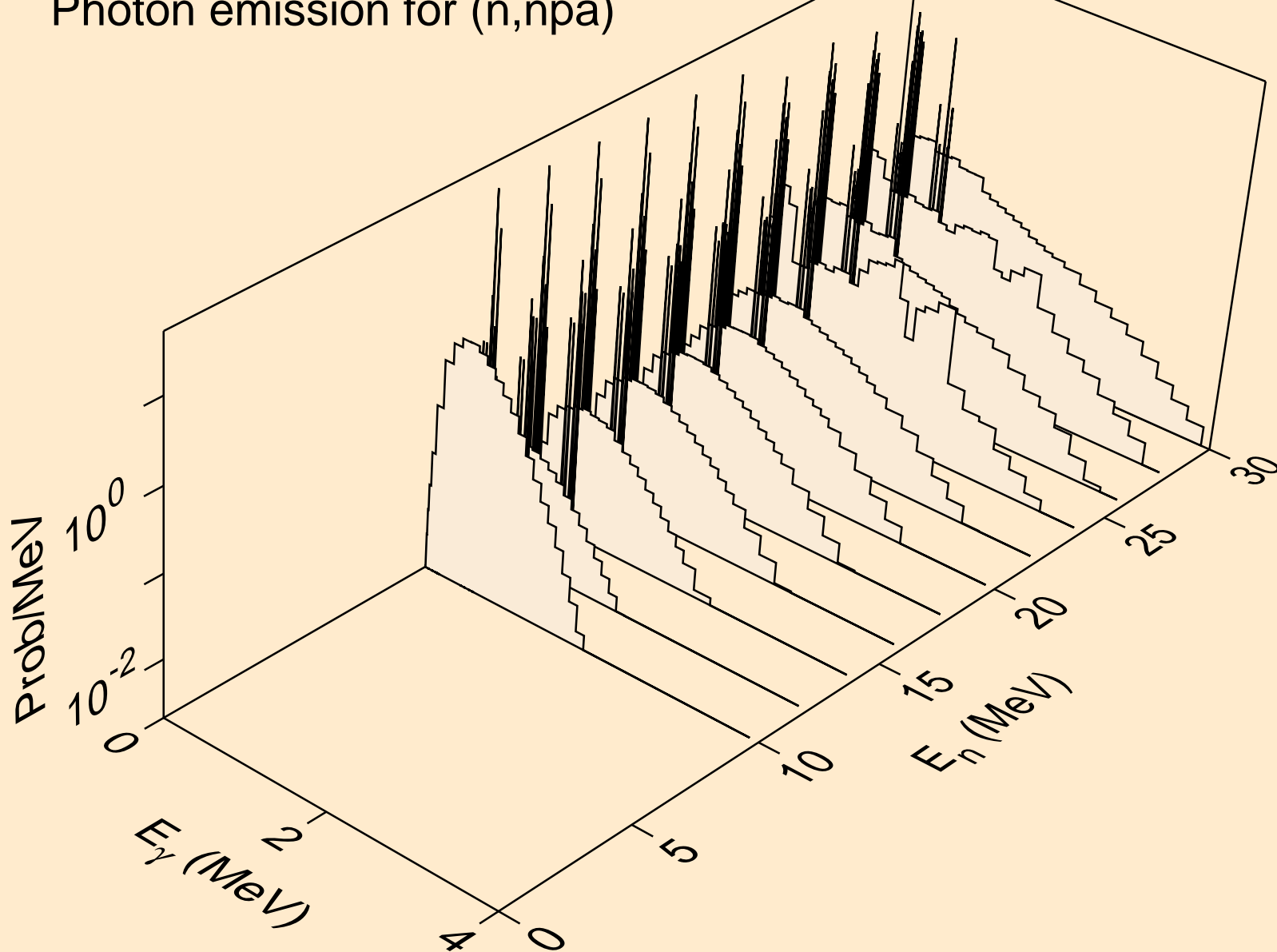
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Photon emission for (n,3np)



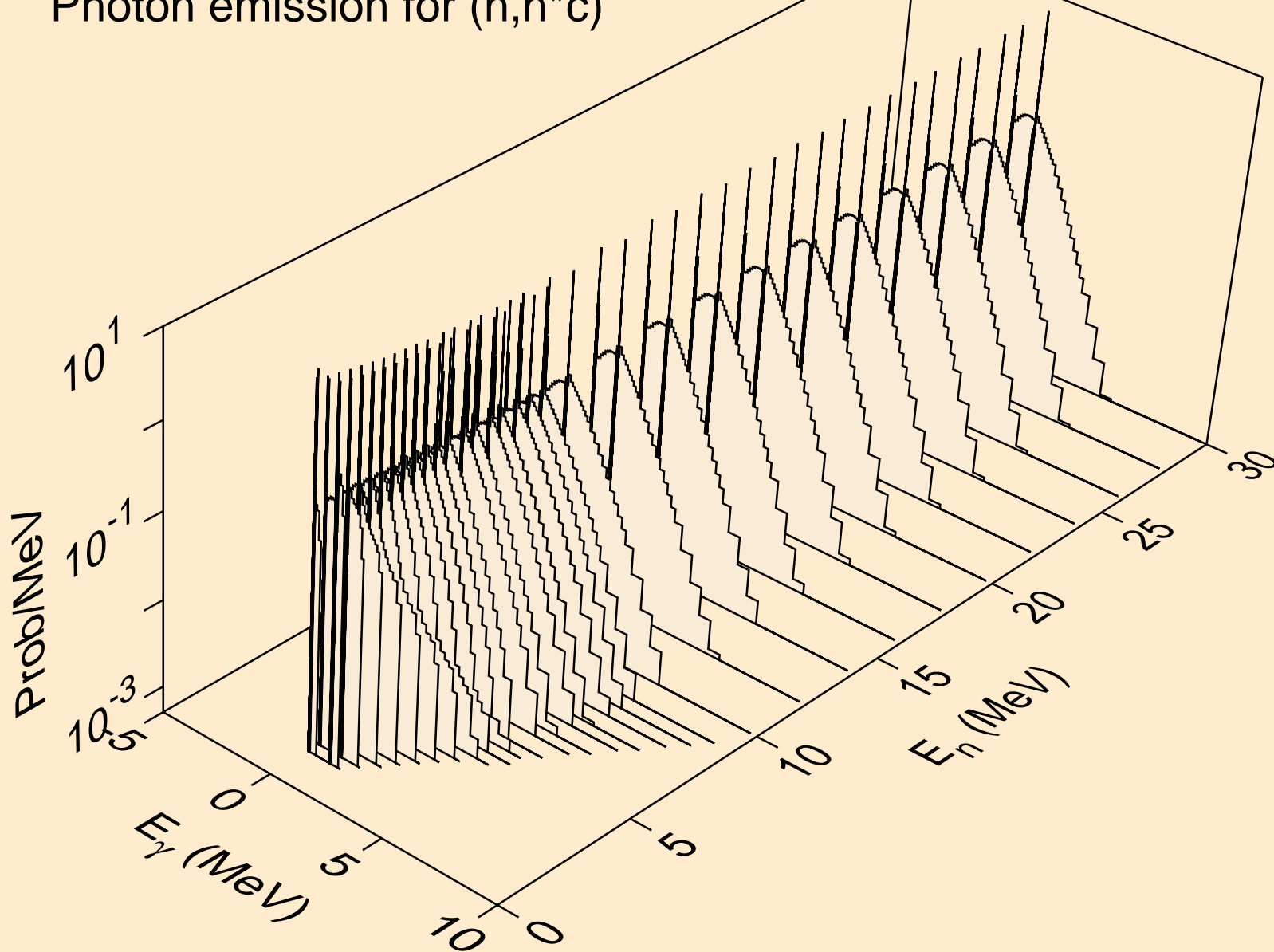
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



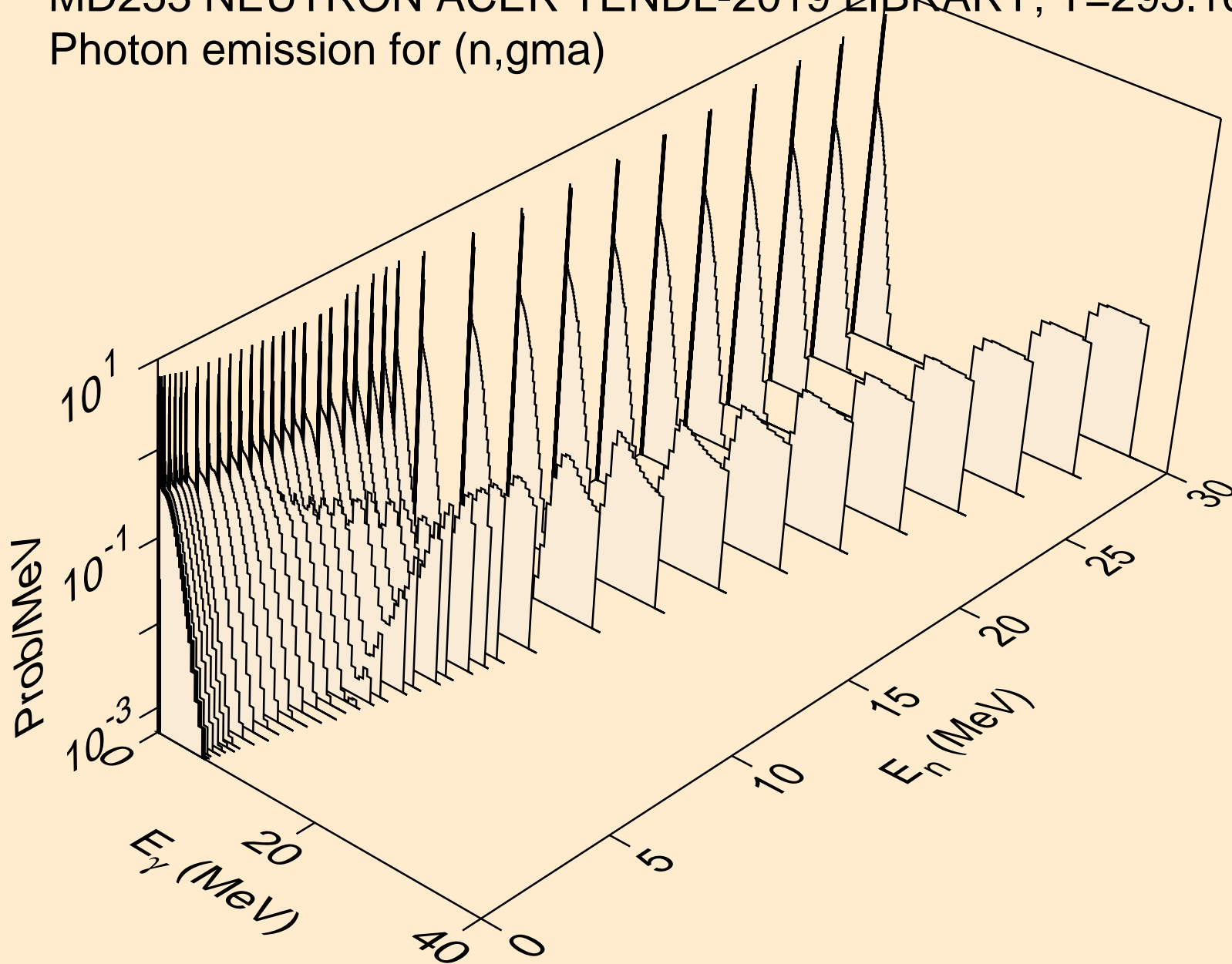
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,npa)



MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)

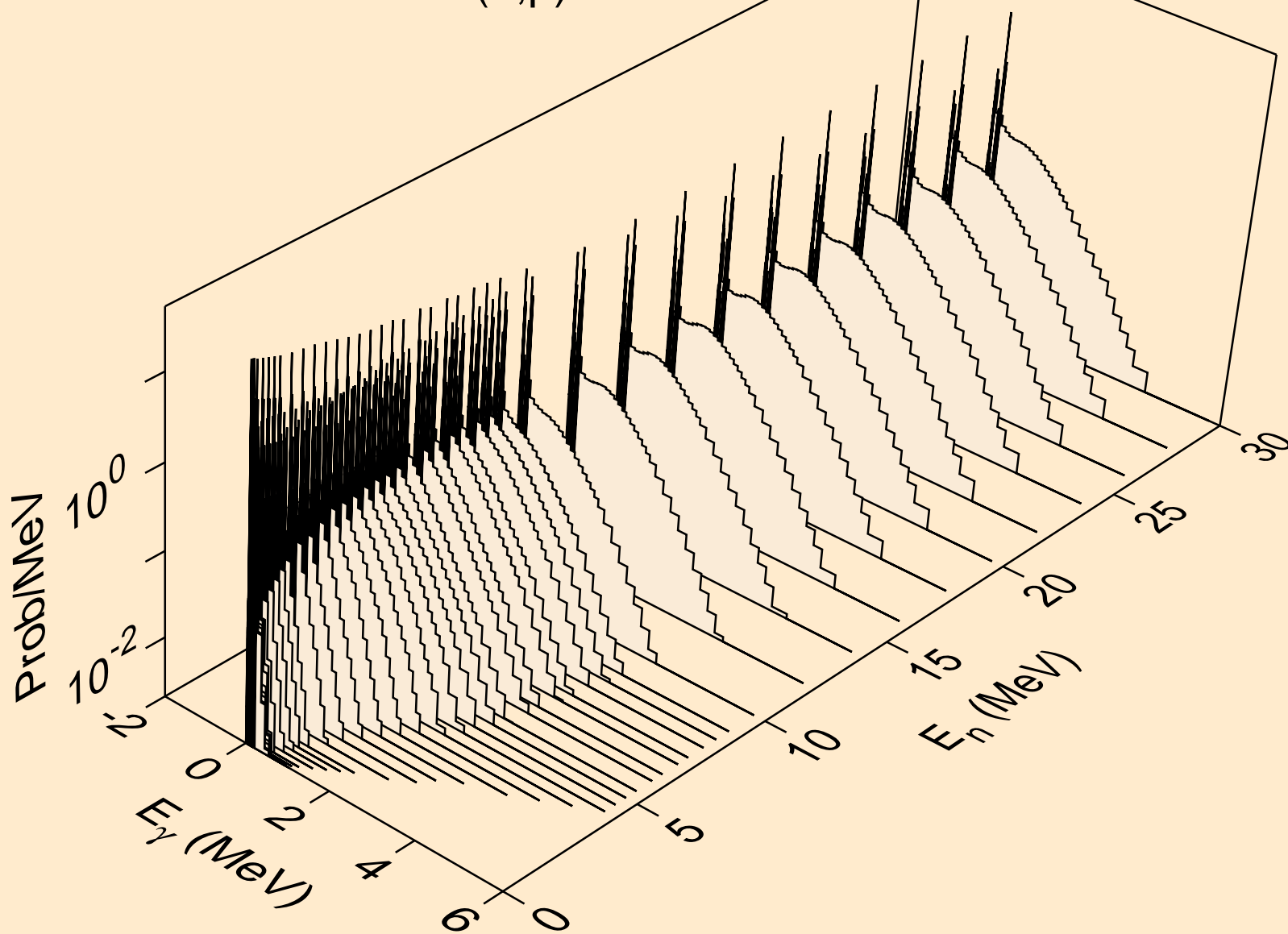


MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)

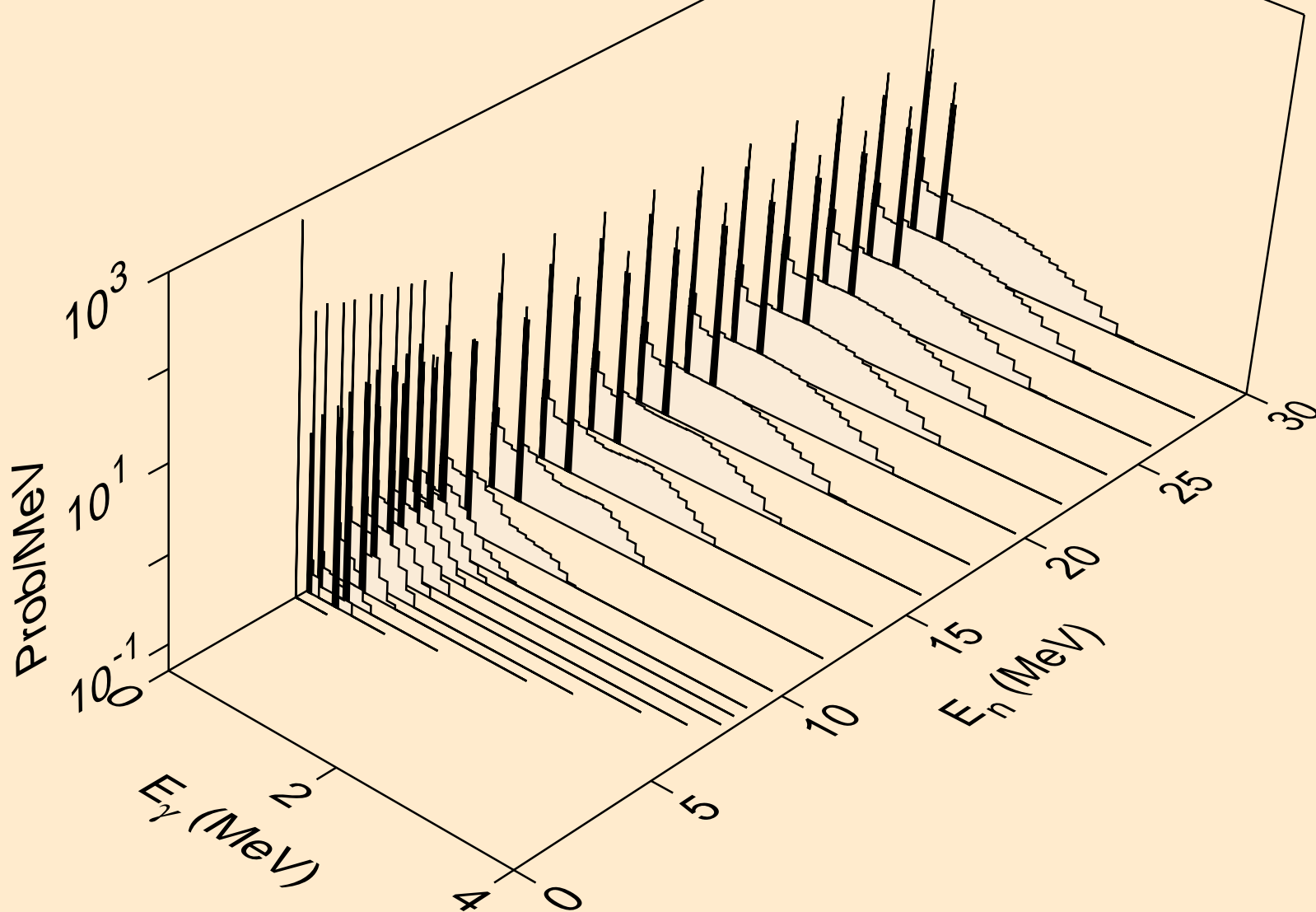




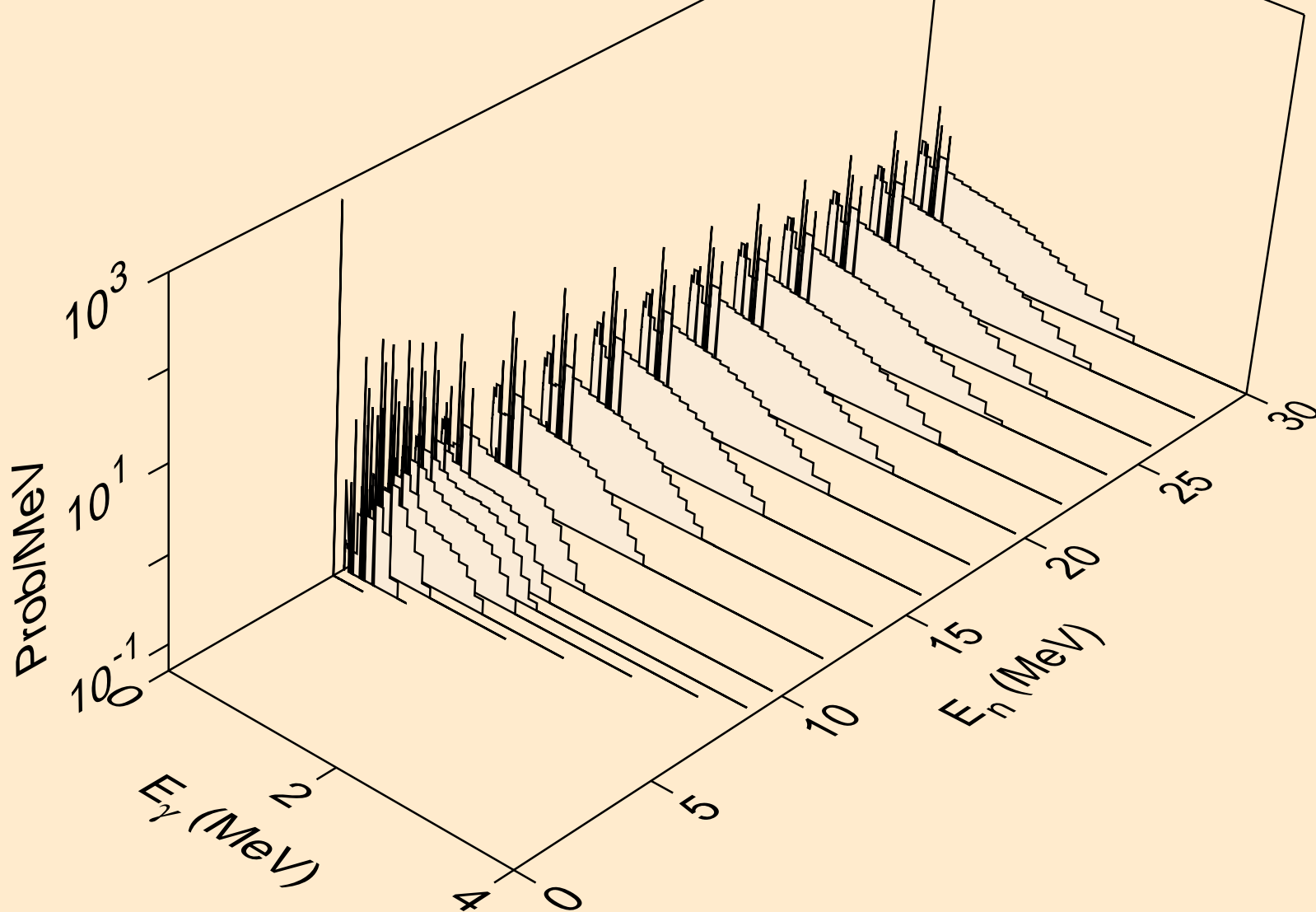
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)



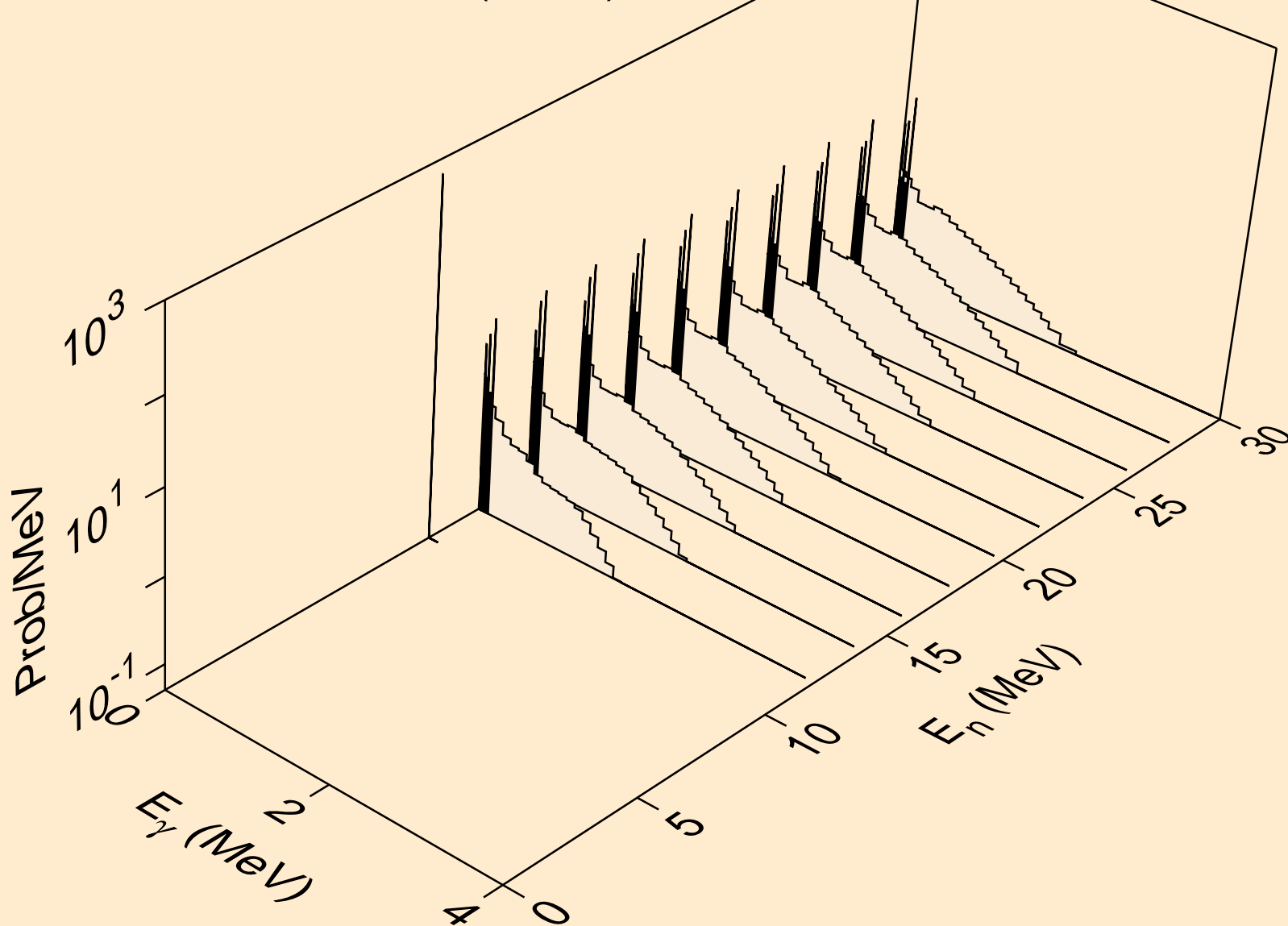
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)



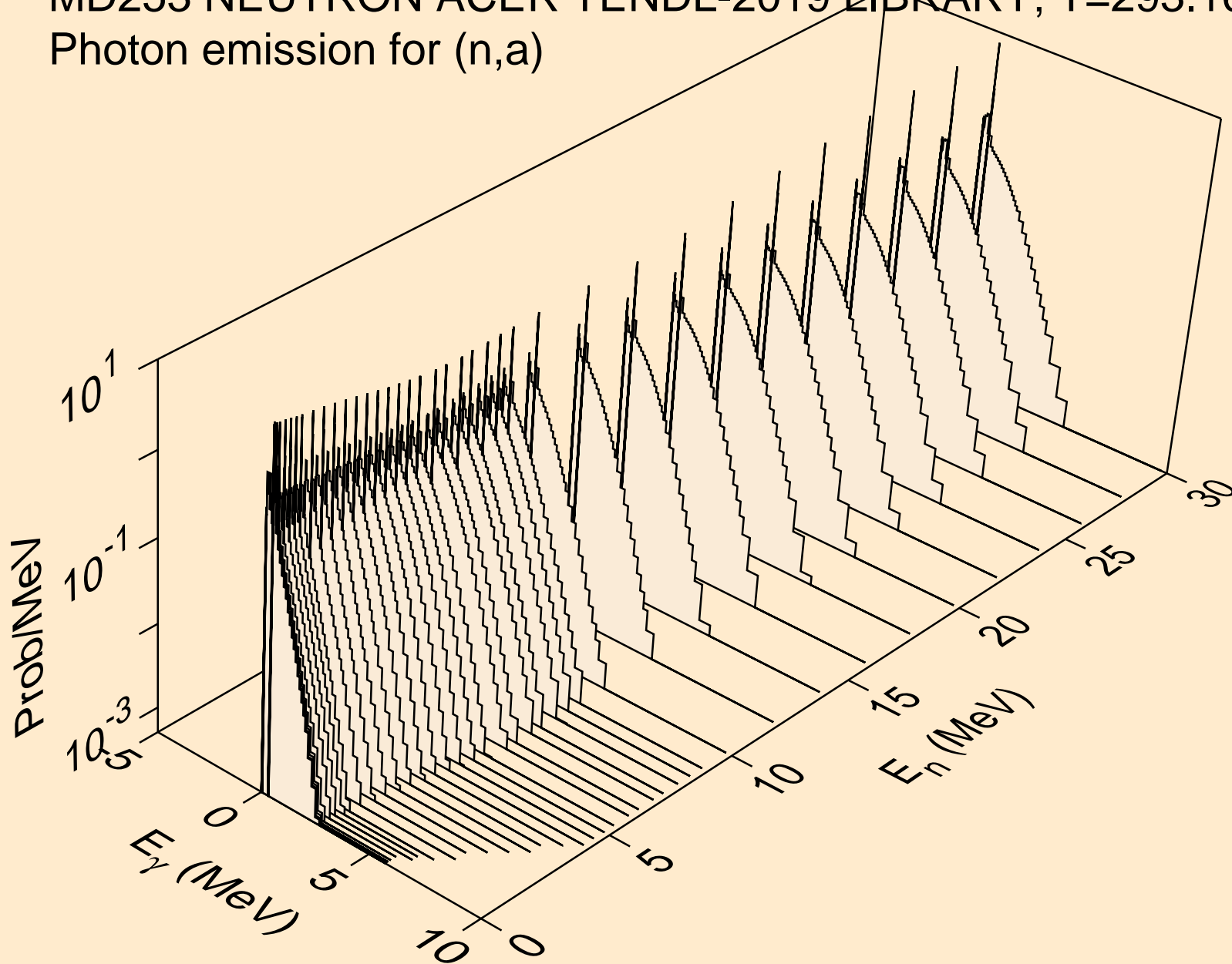
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)



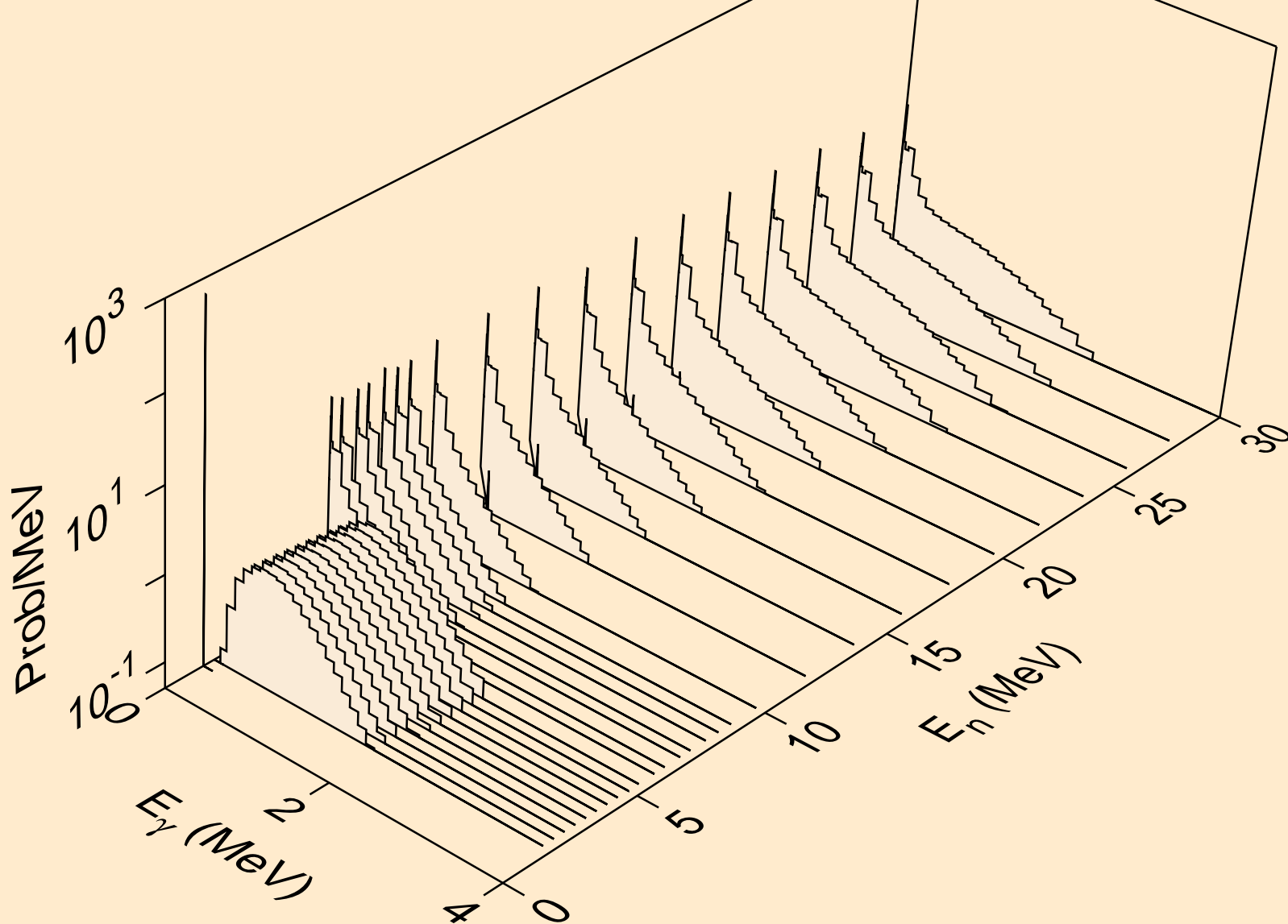
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Photon emission for (n,he3)



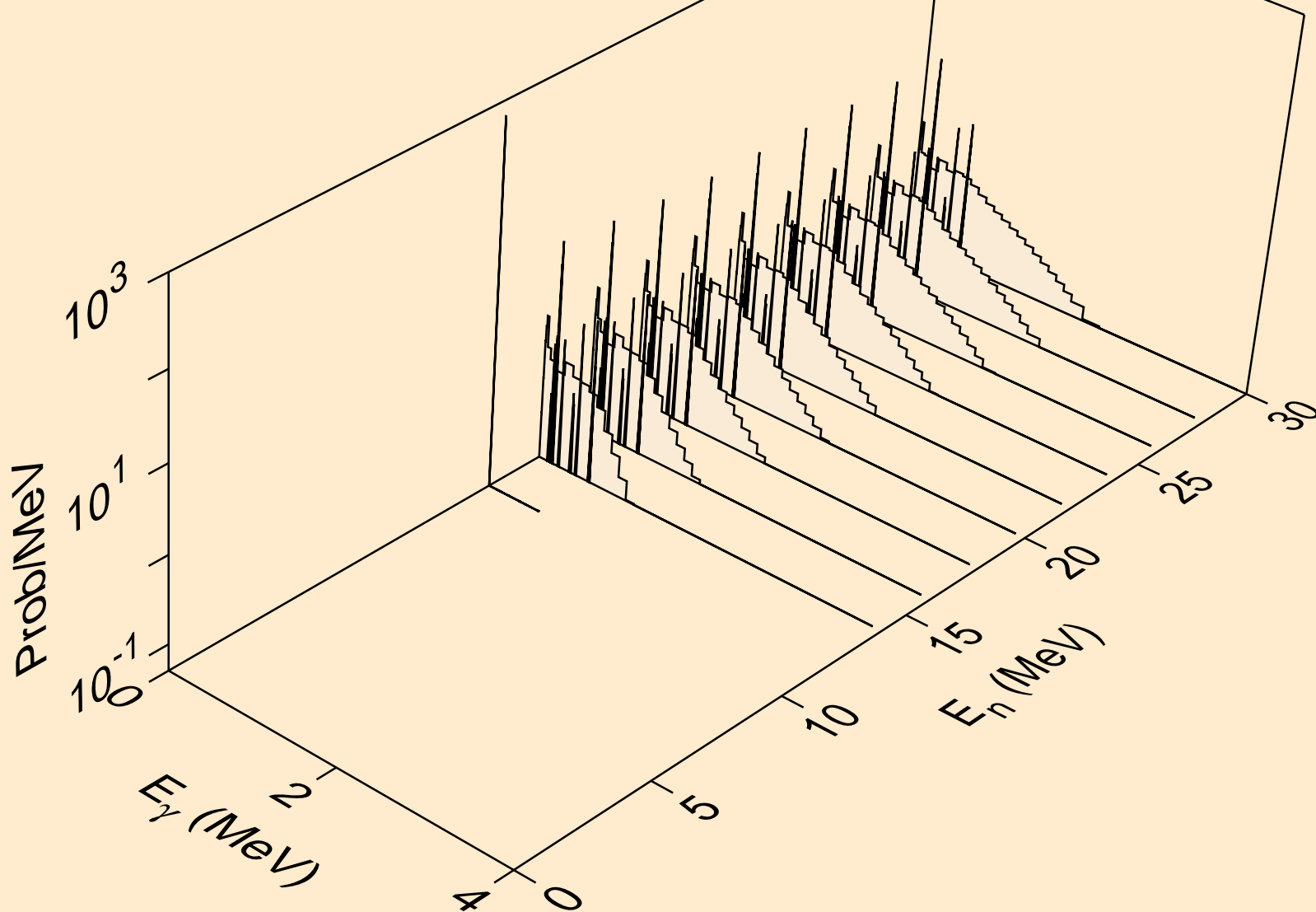
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)



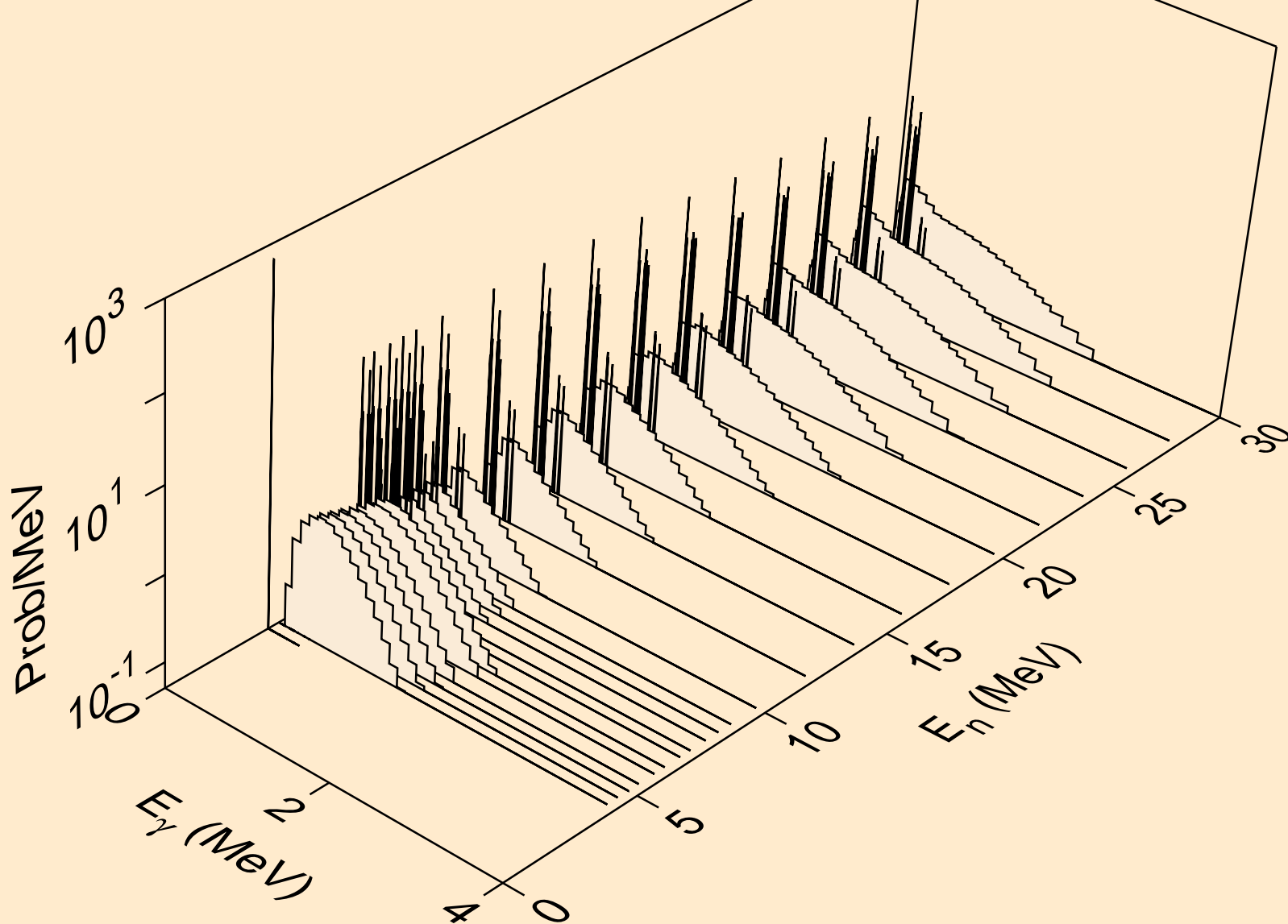
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2a)



MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)

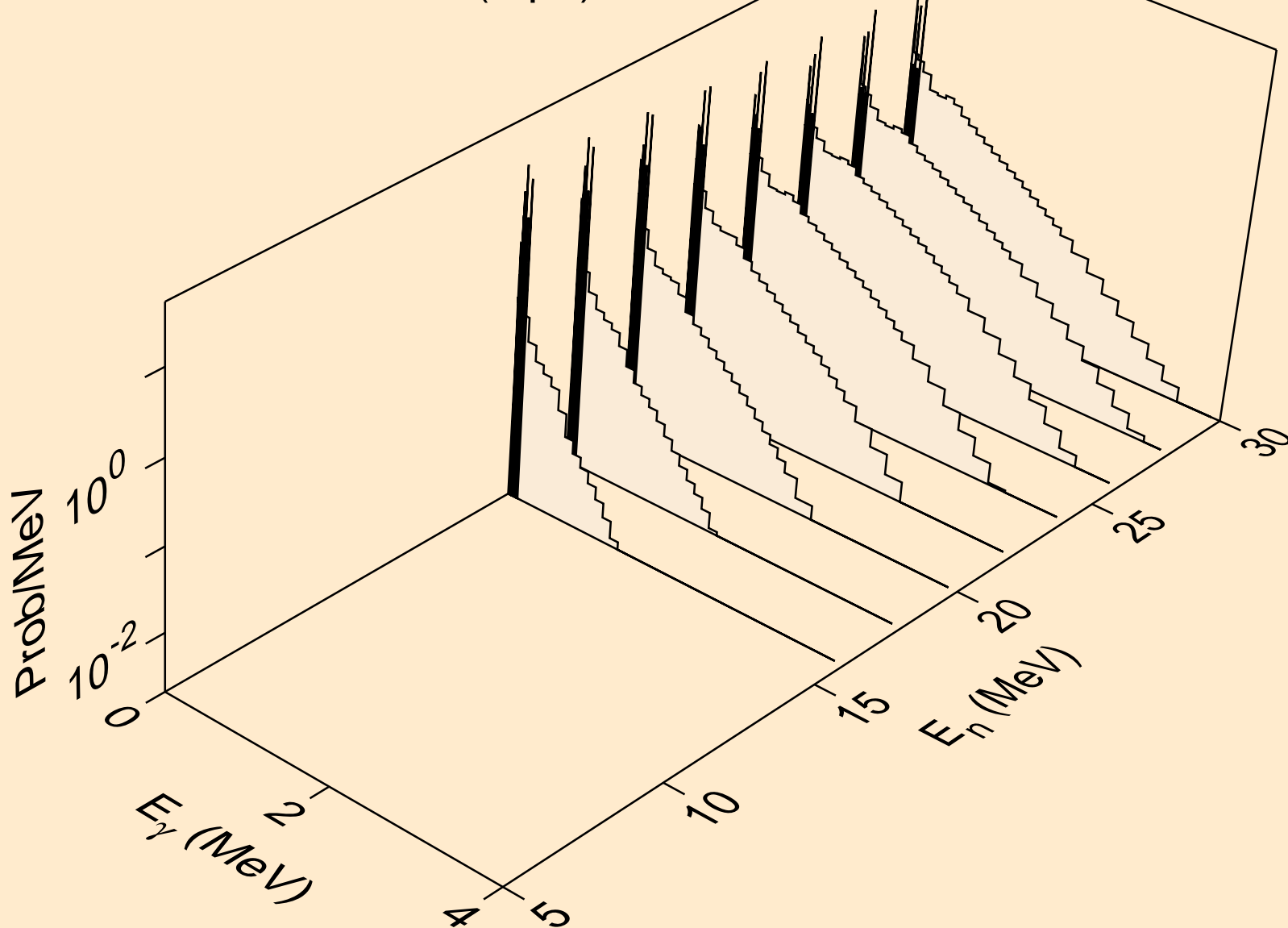


MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p $\alpha$ )

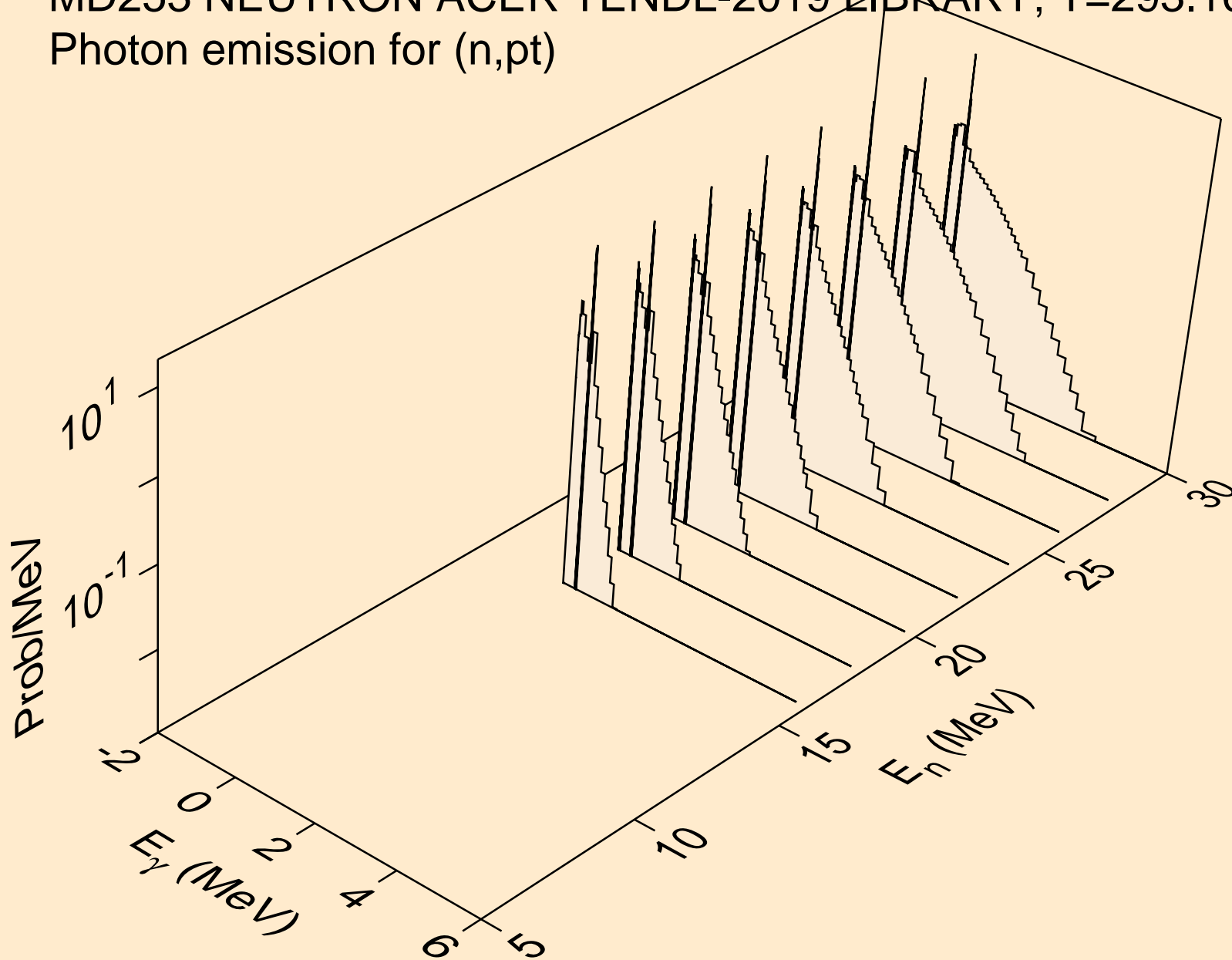




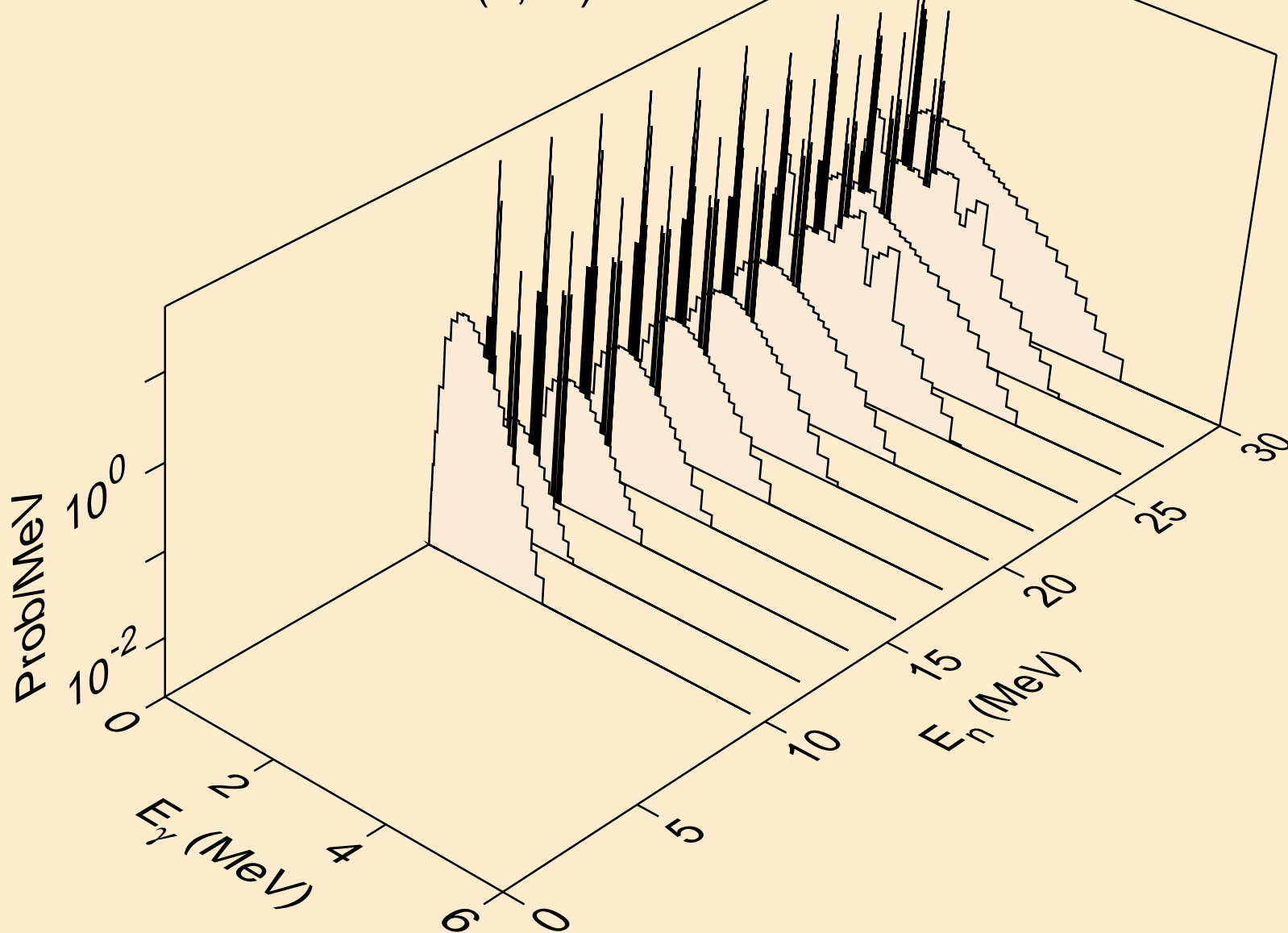
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pd)



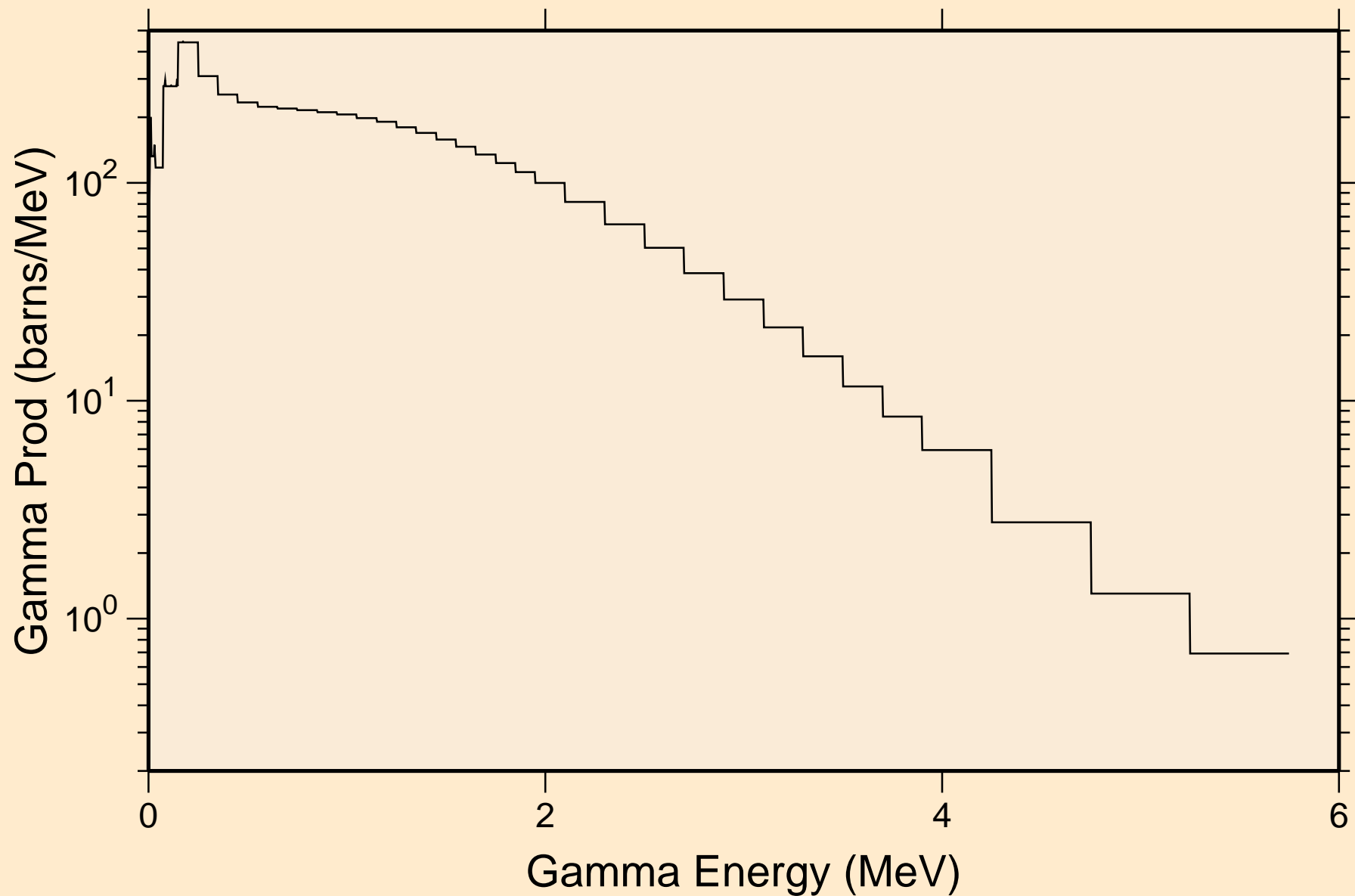
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pt)



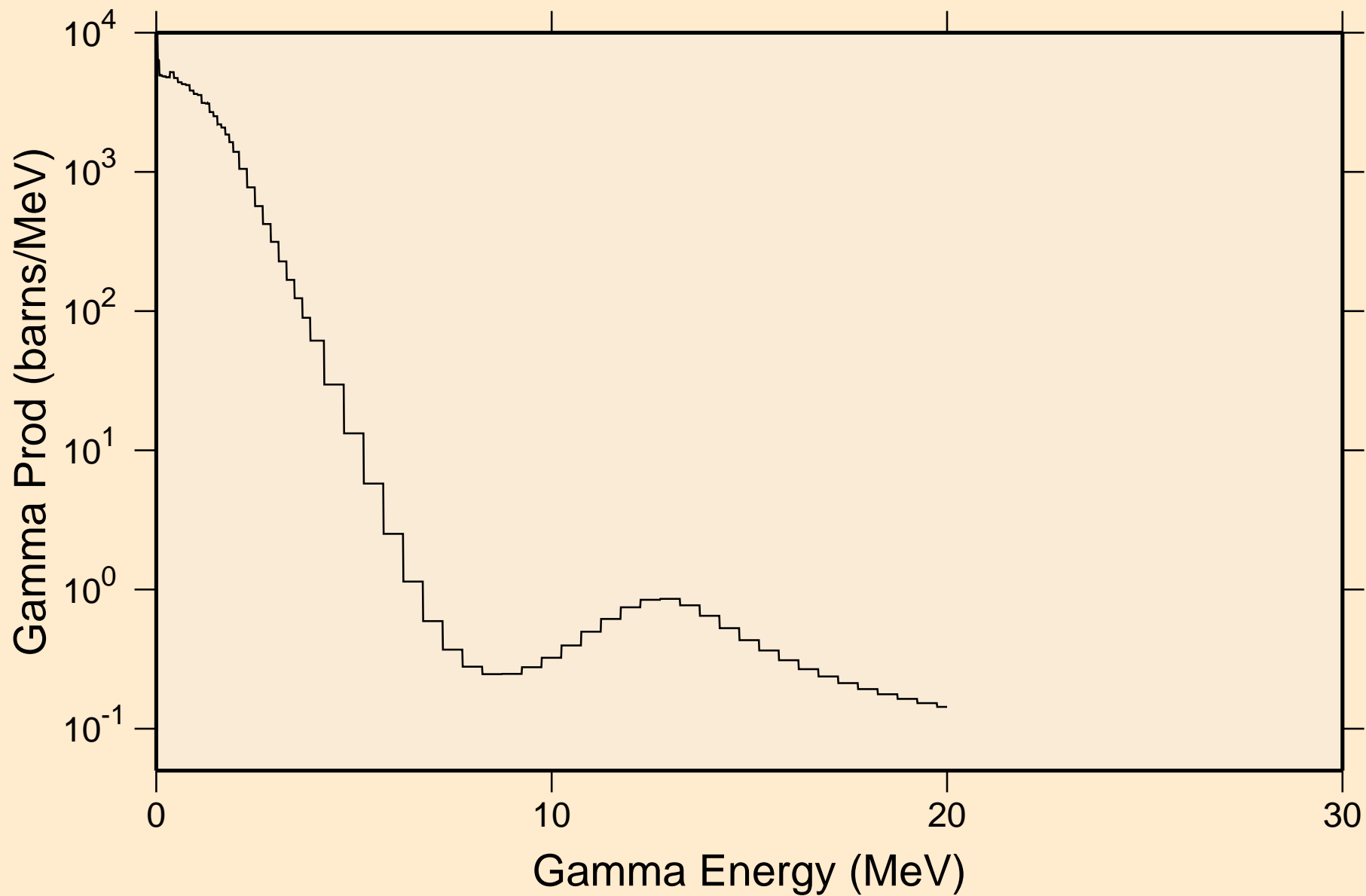
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)



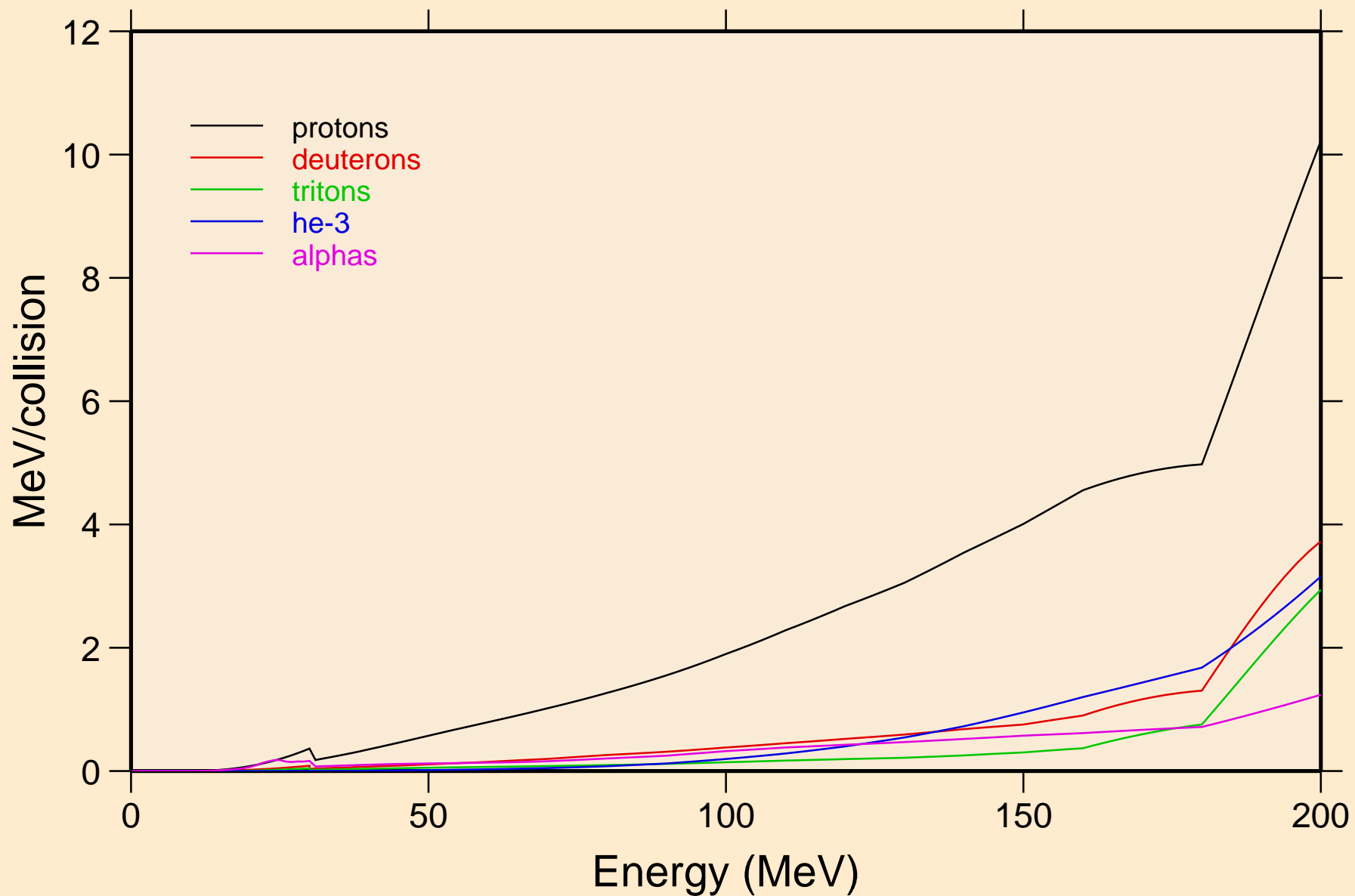
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum



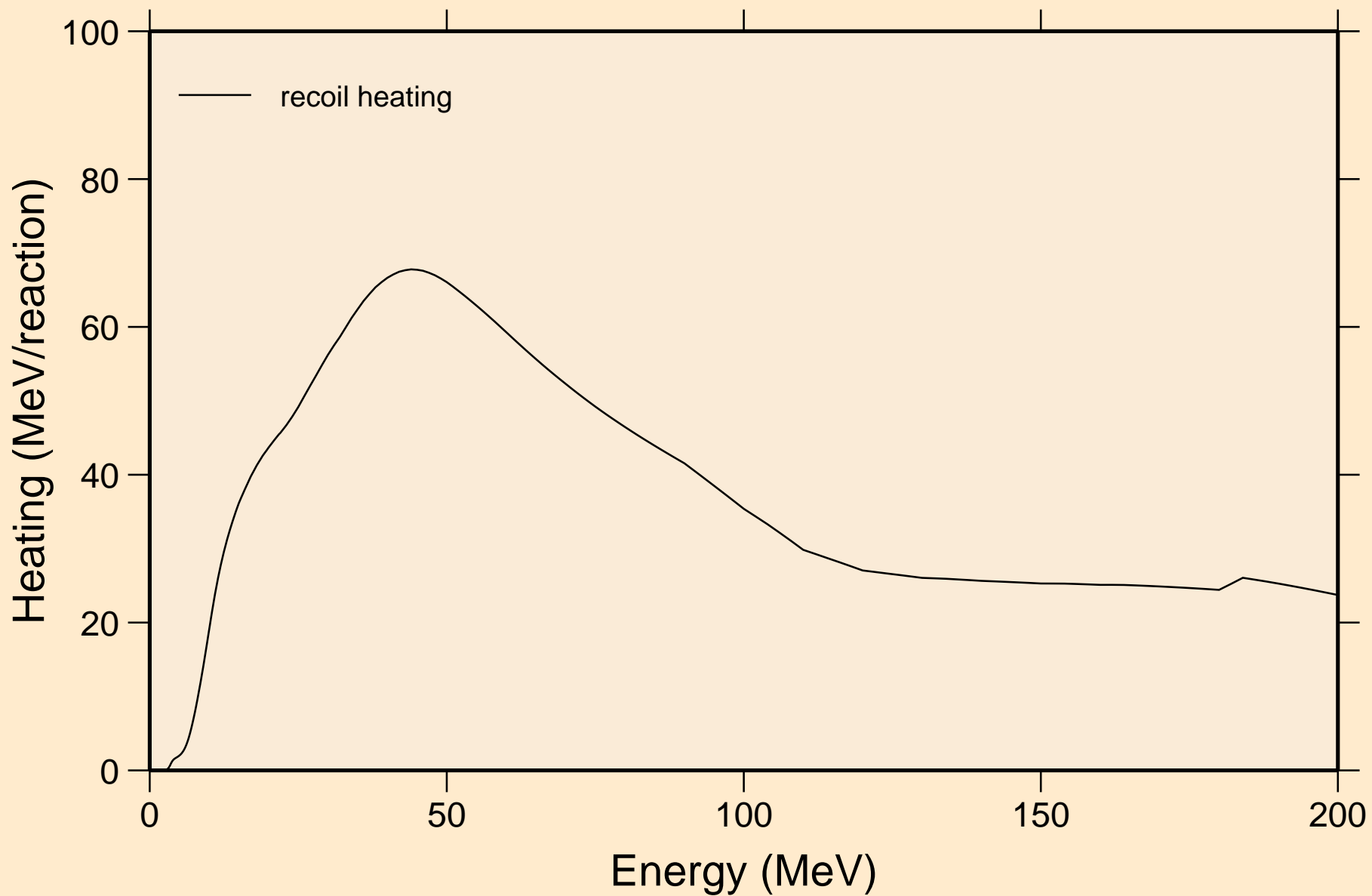
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum



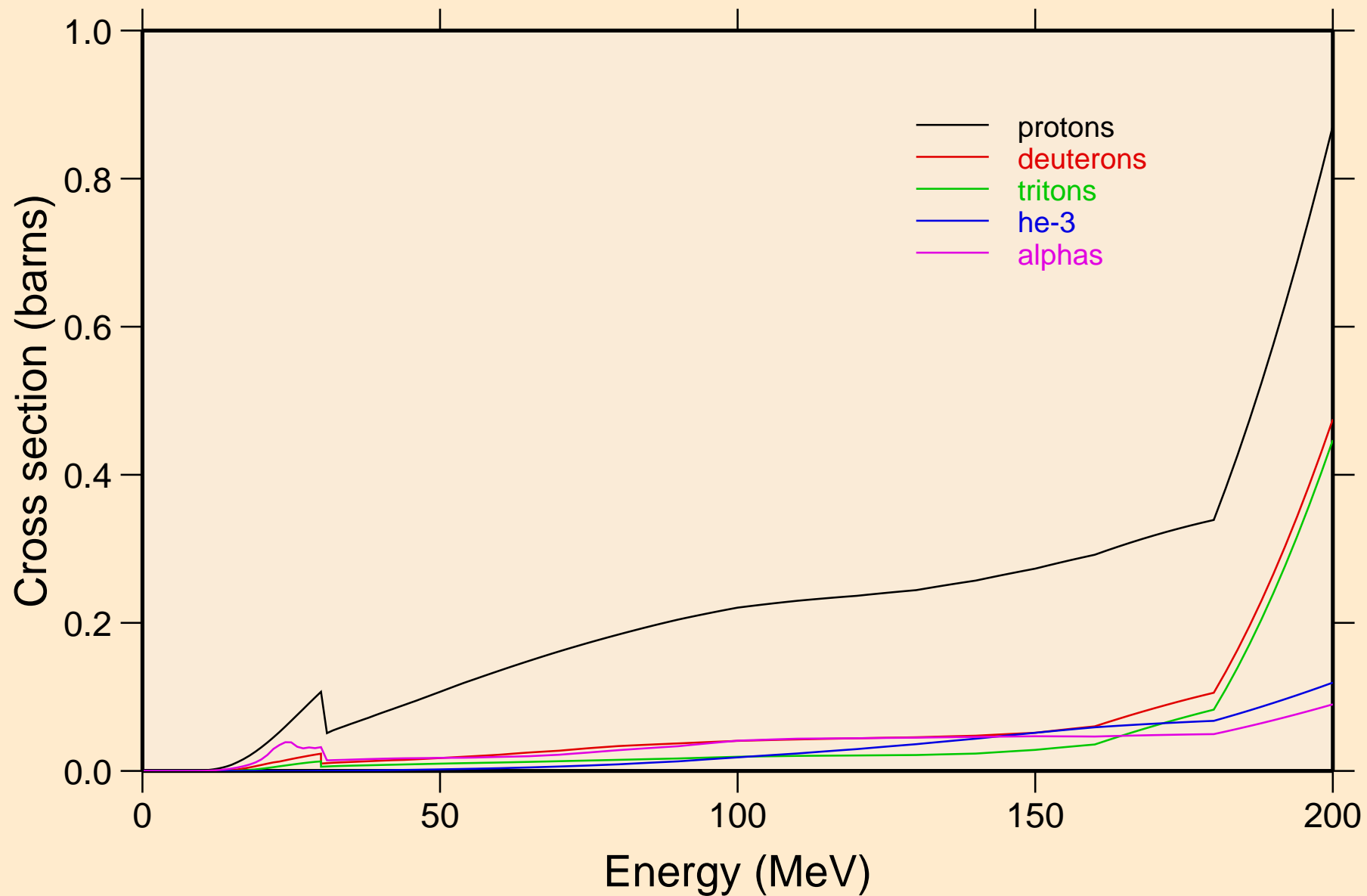
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle heating contributions



MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating

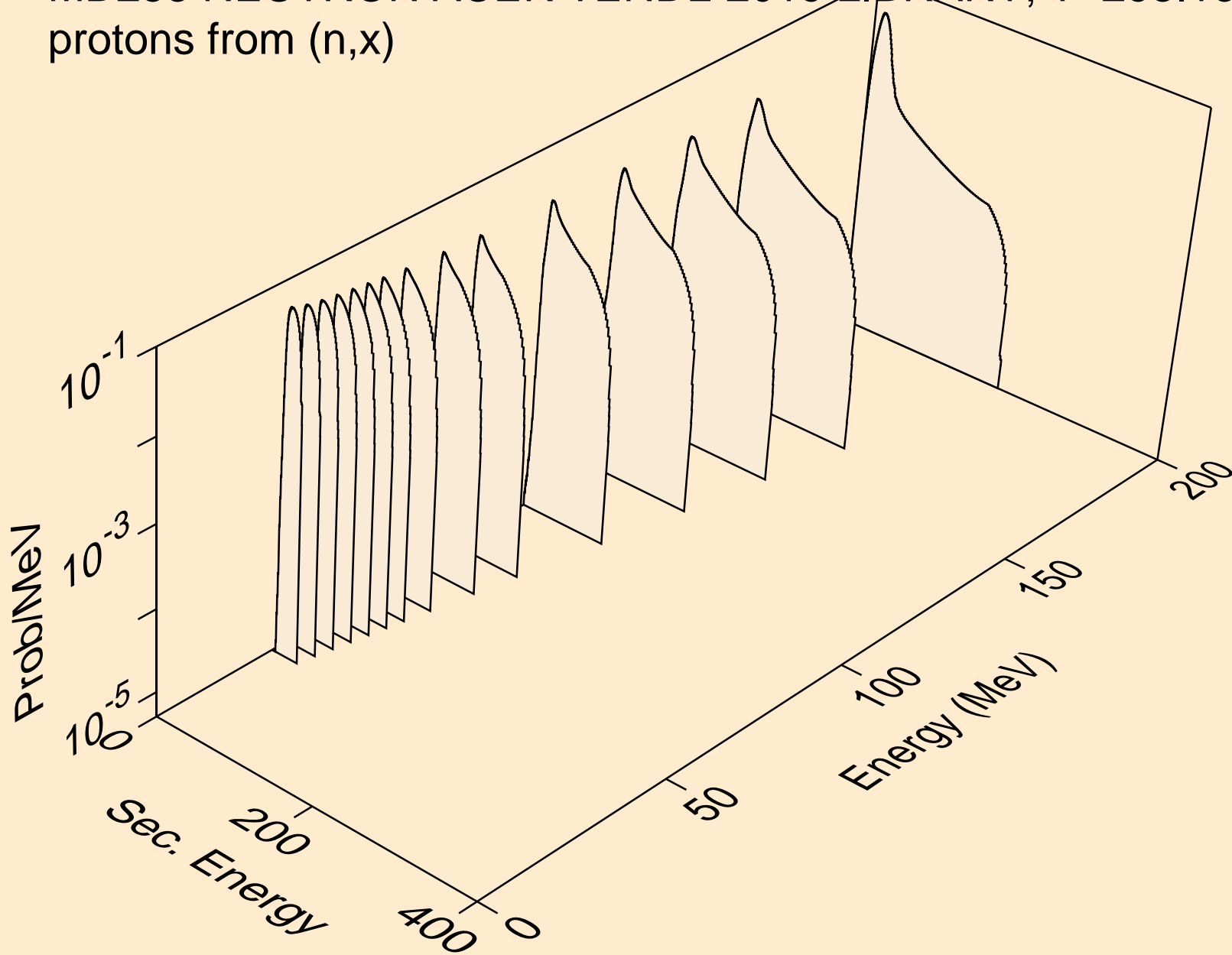


MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle production cross sections

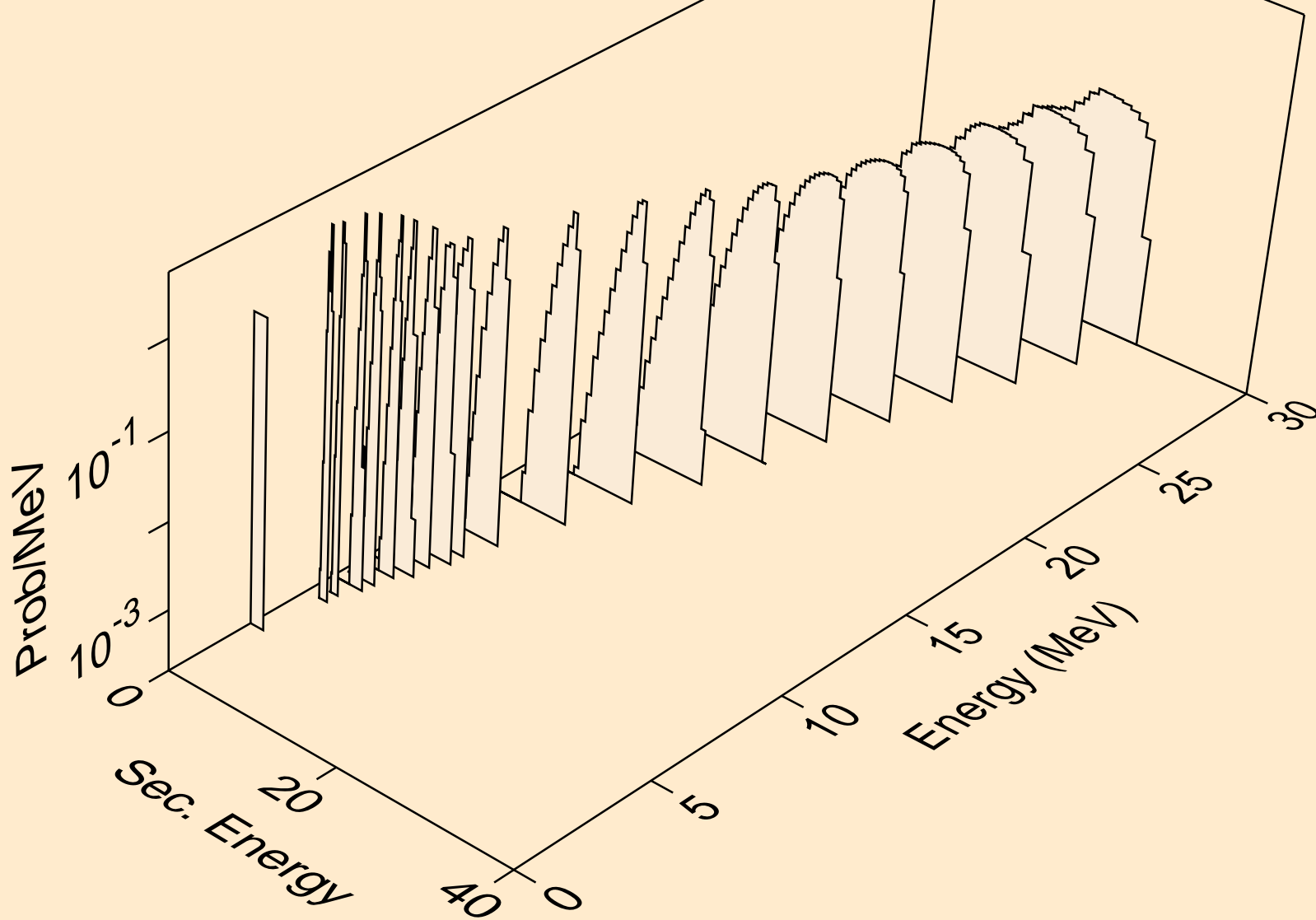




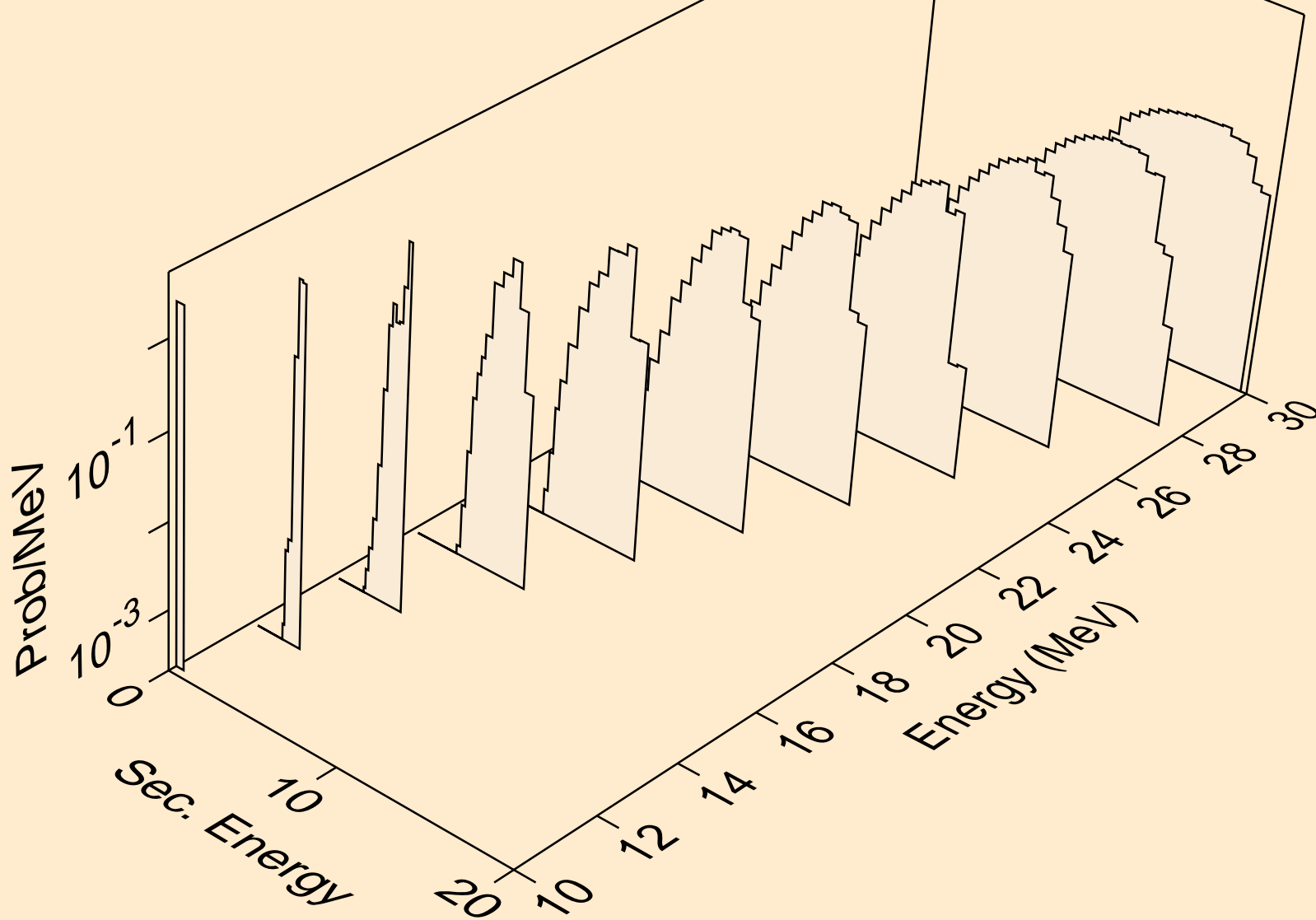
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



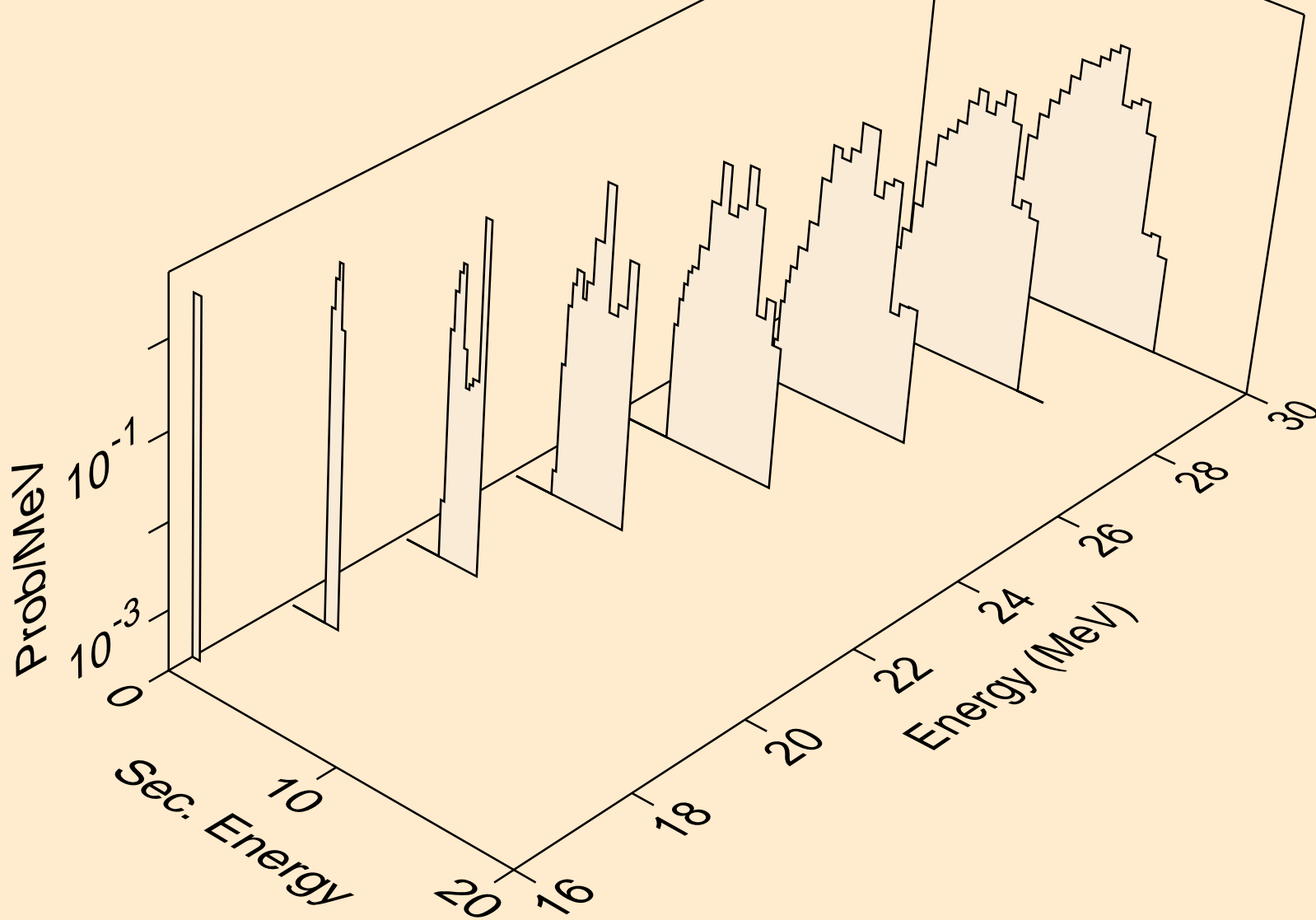
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



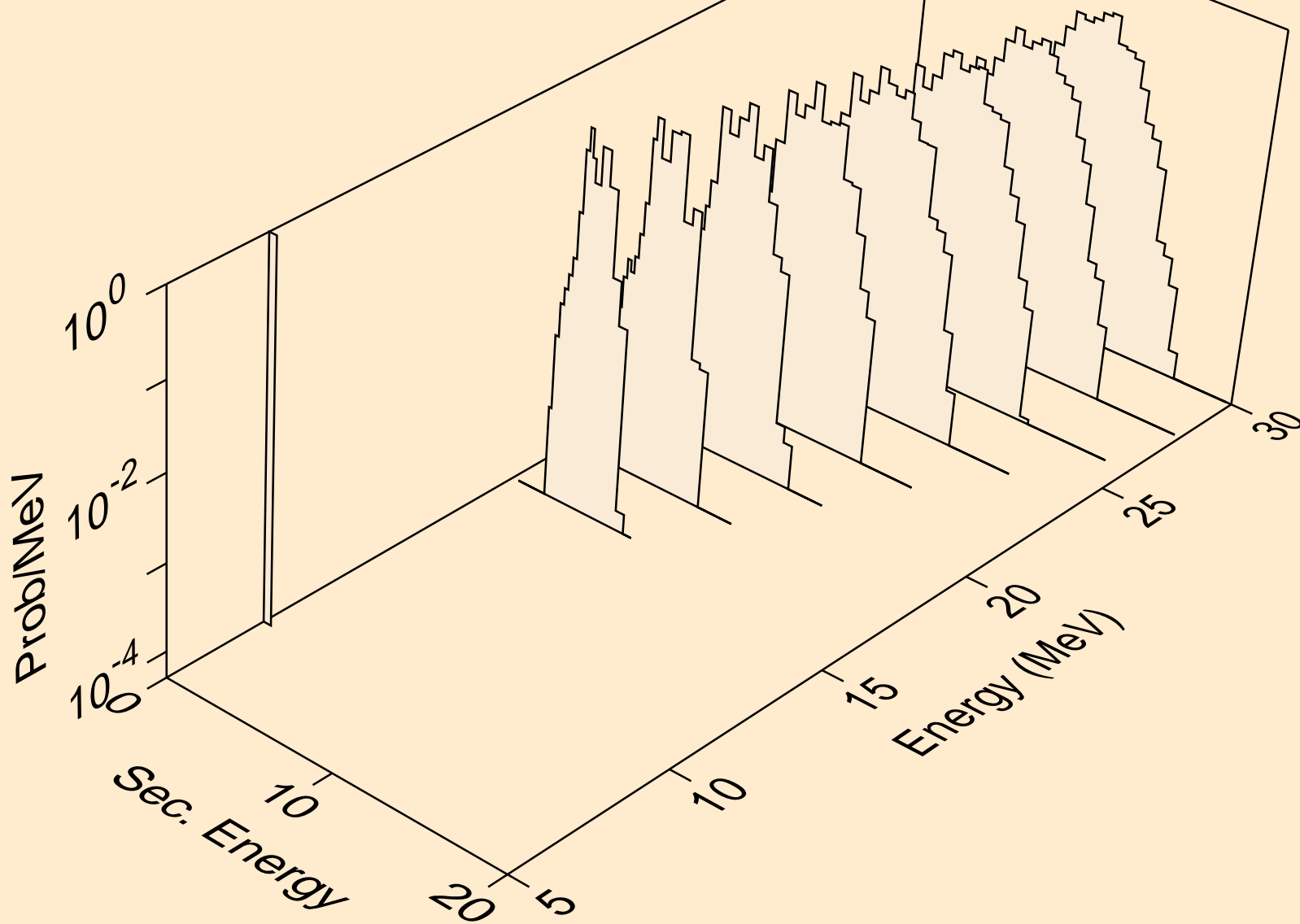
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protons from (n,2np)



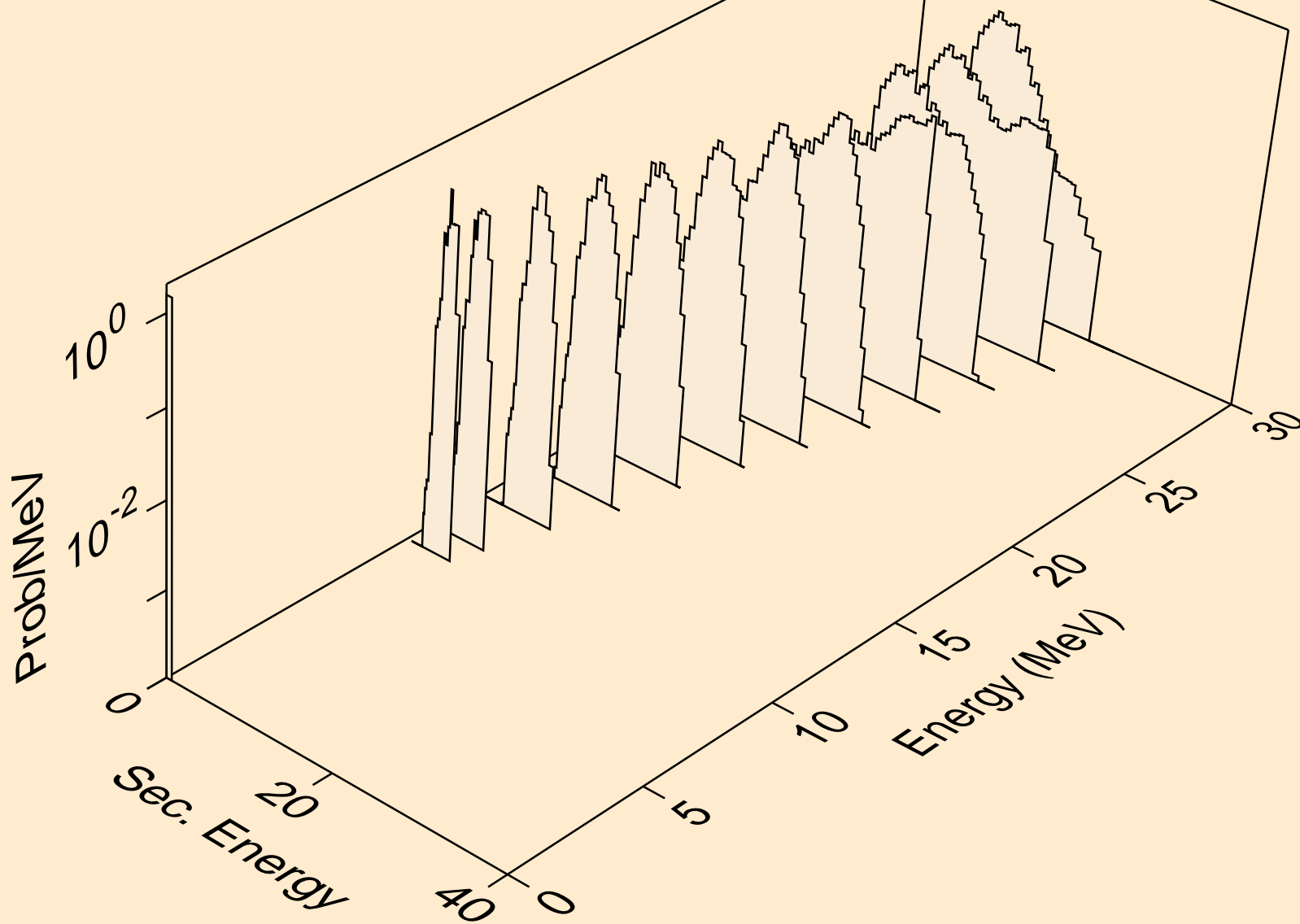
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protons from (n,3np)



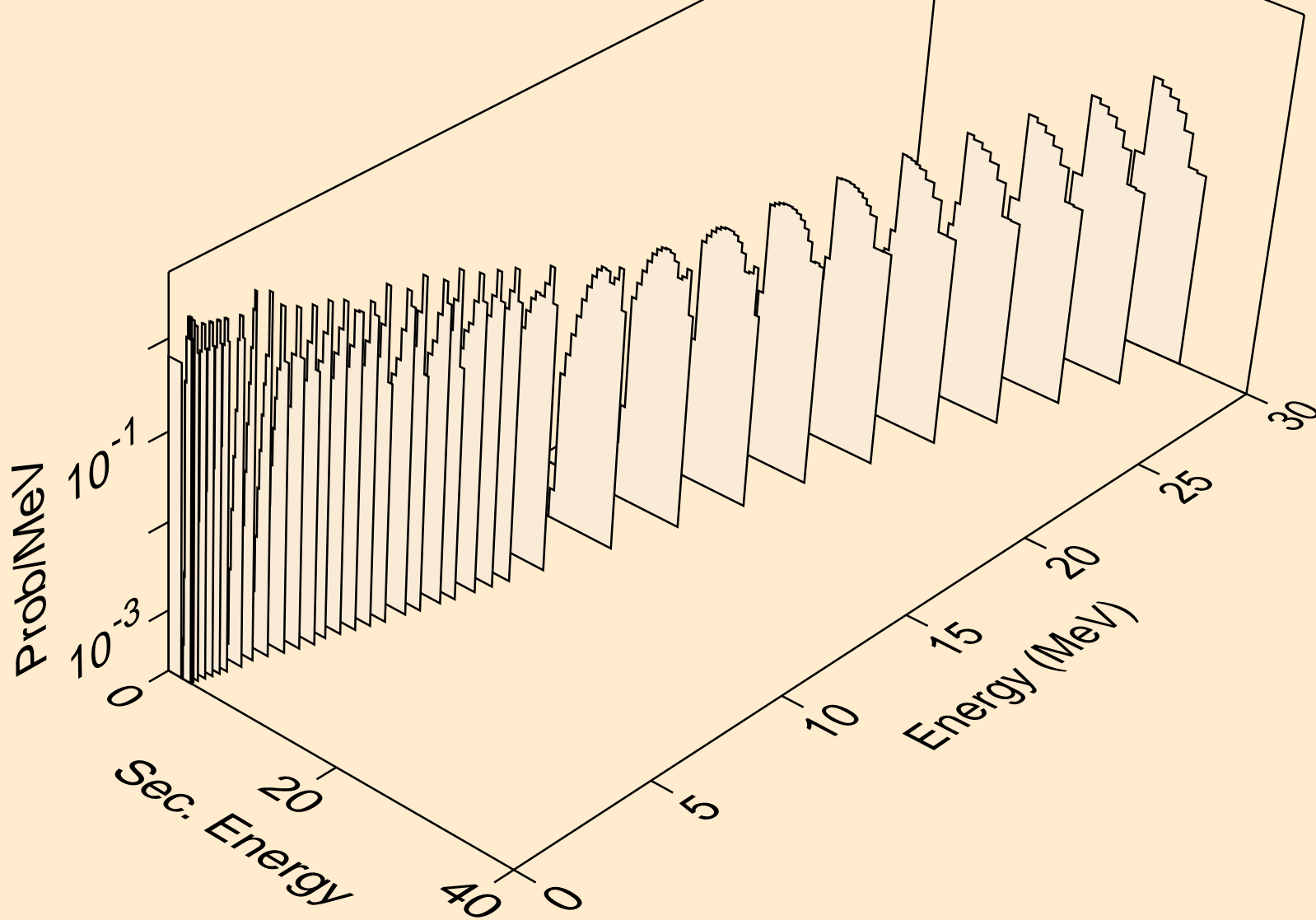
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protons from (n,2np)



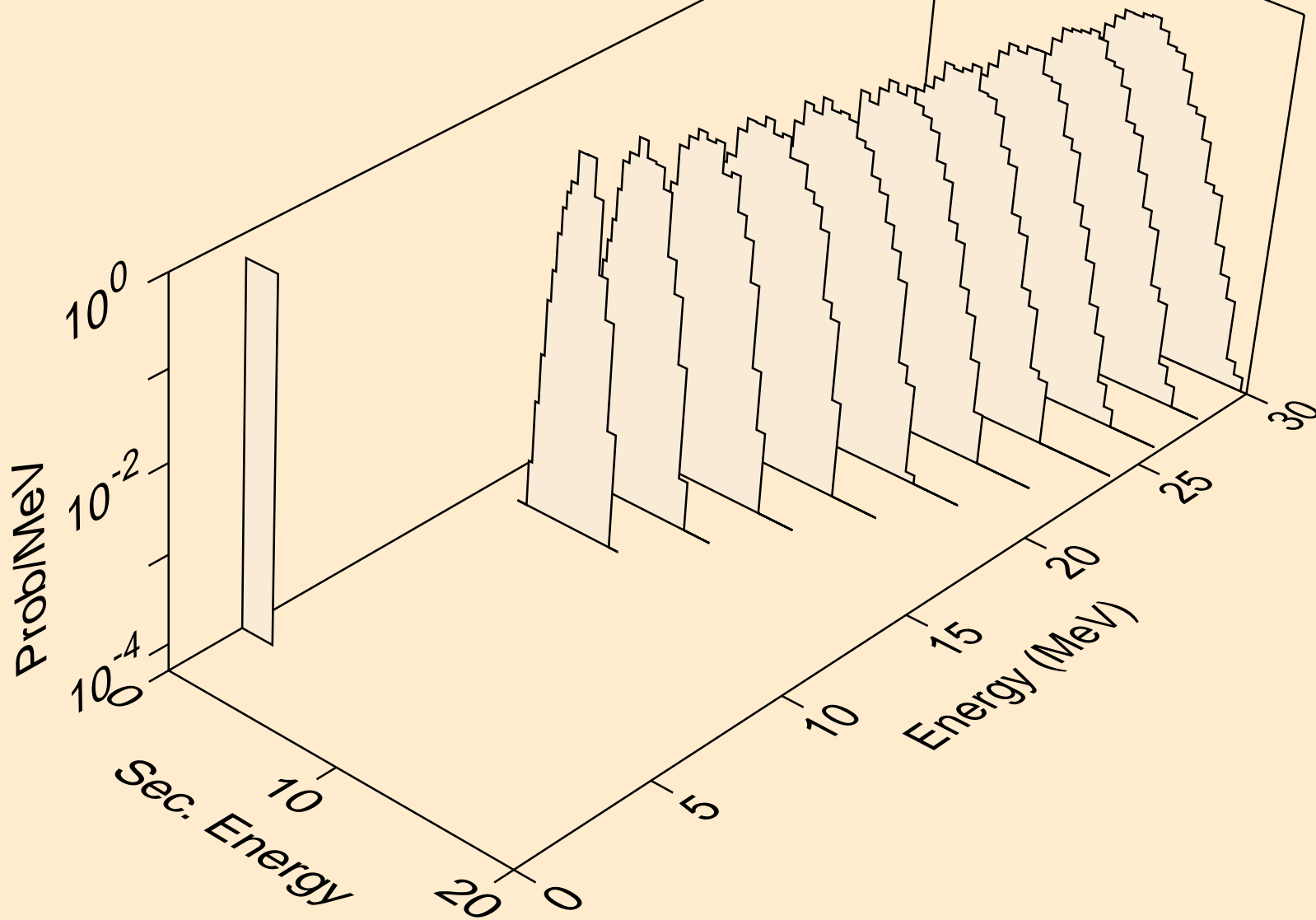
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,npa)



MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)

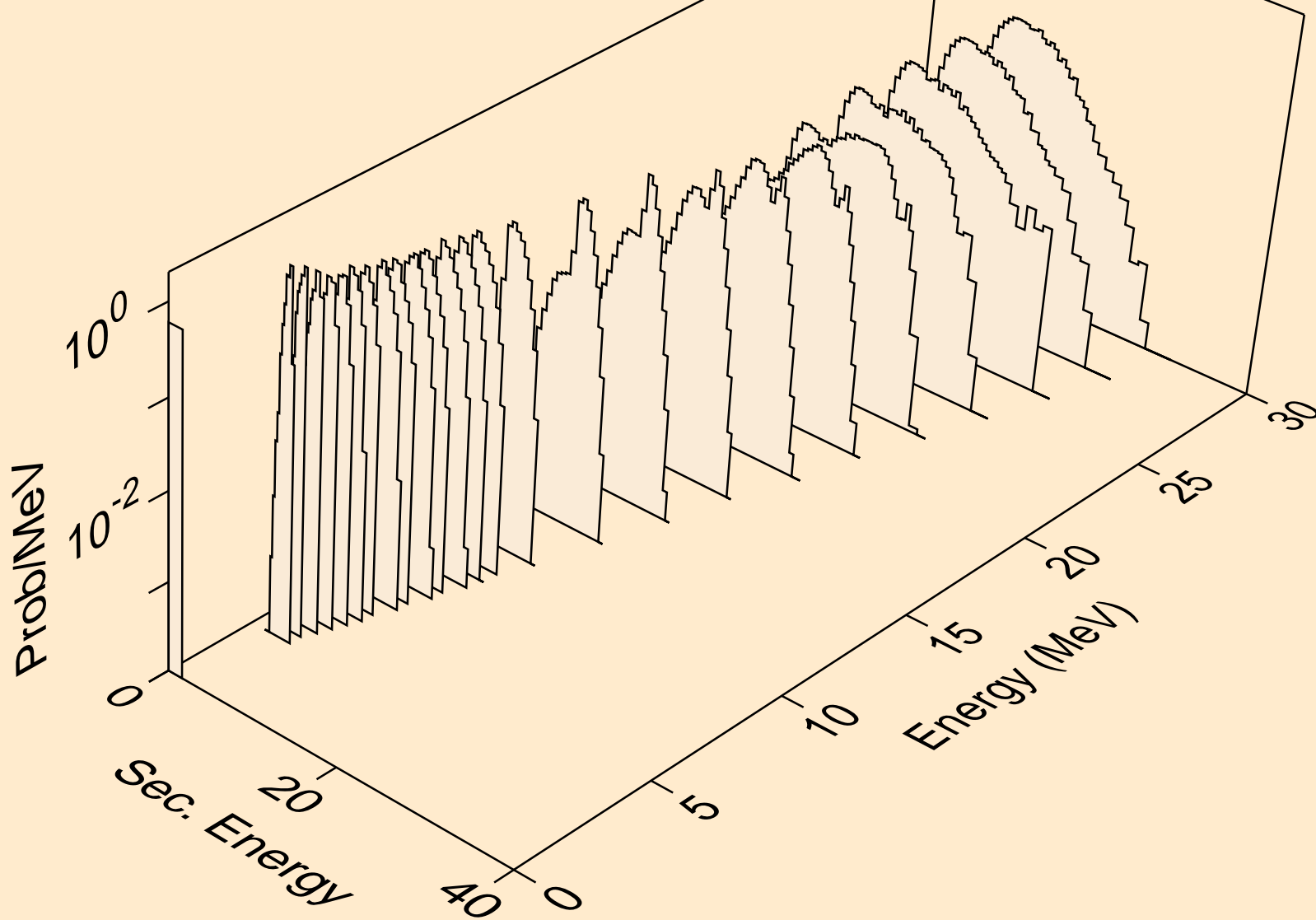


MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2p)

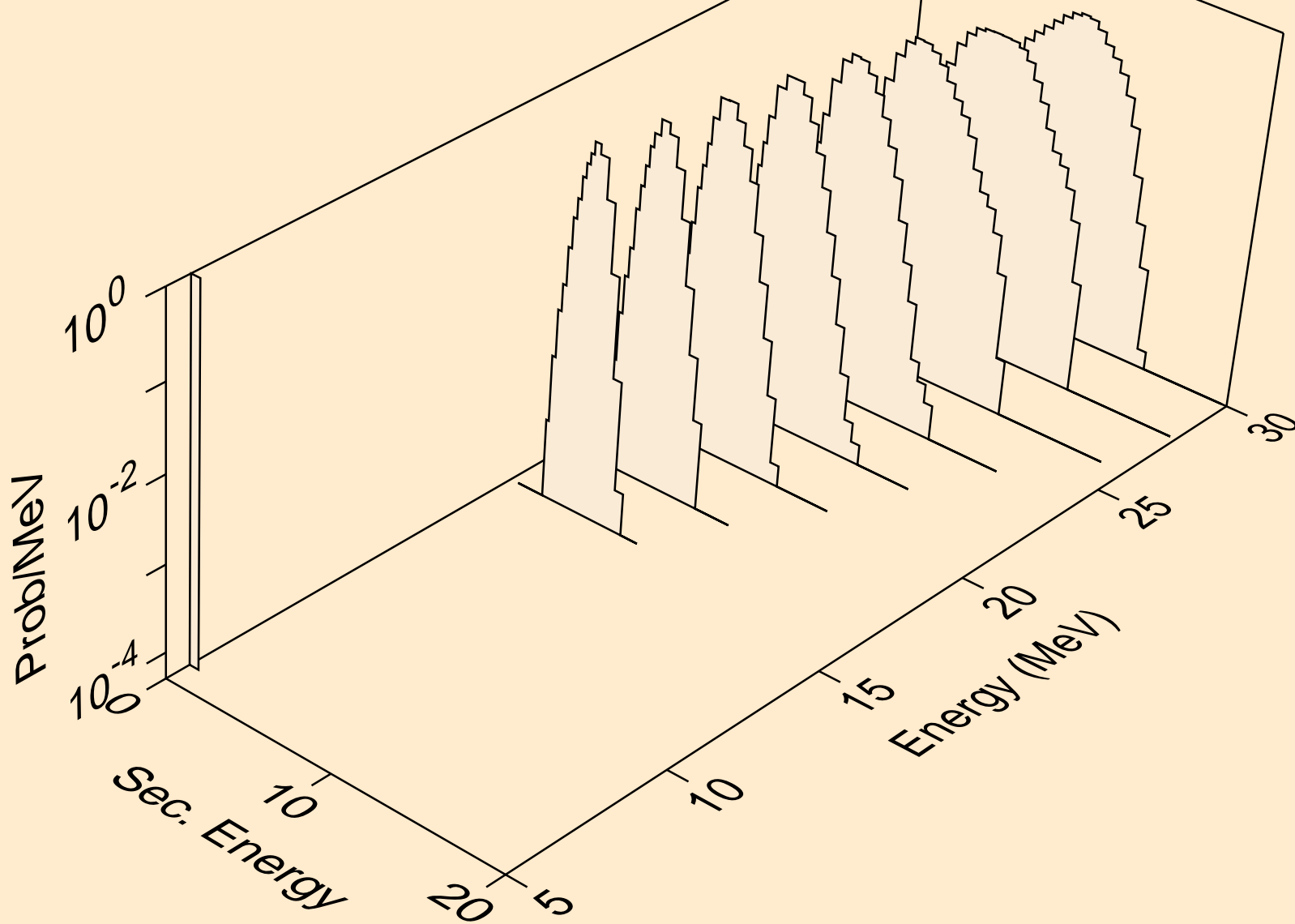




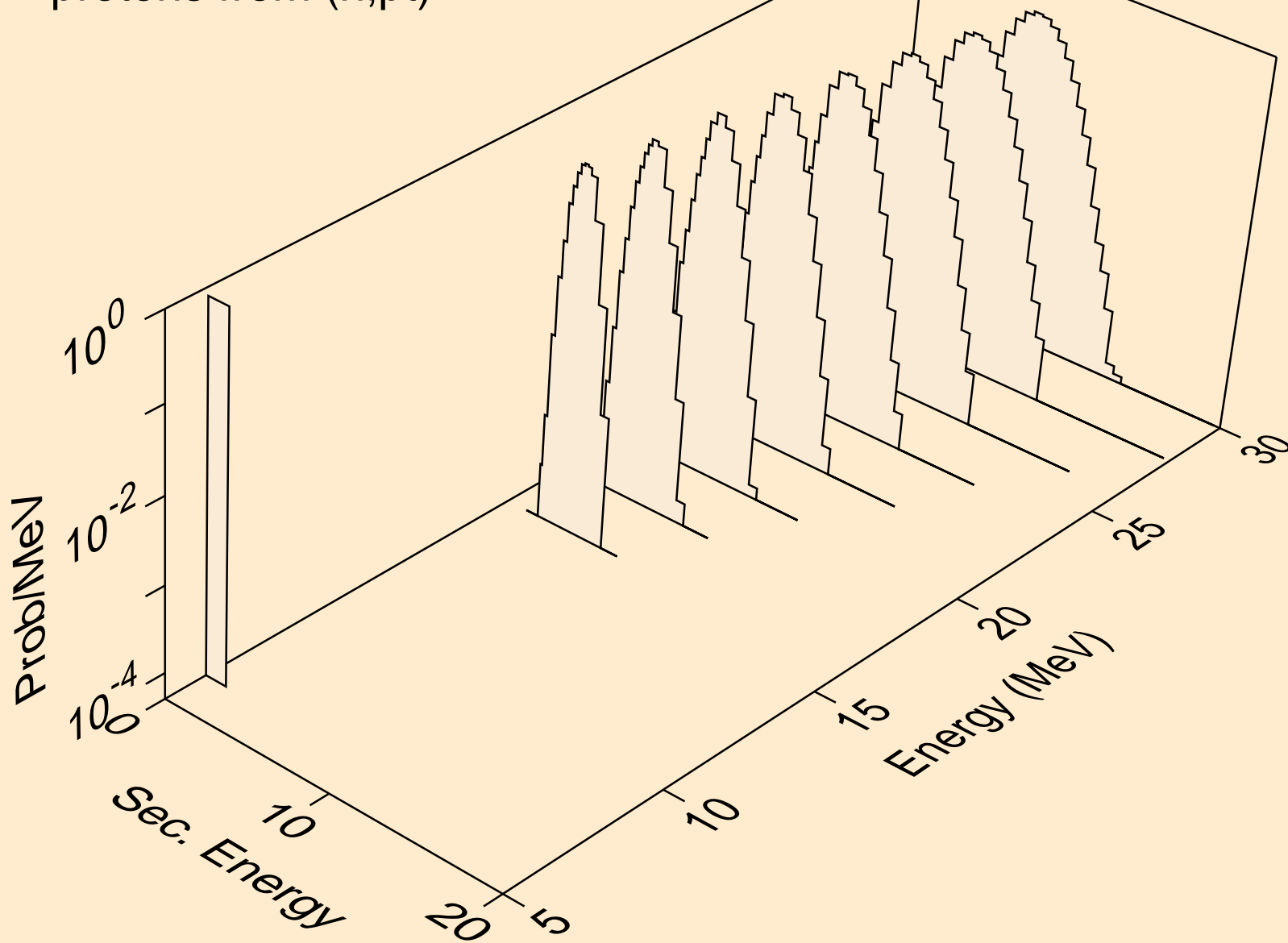
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



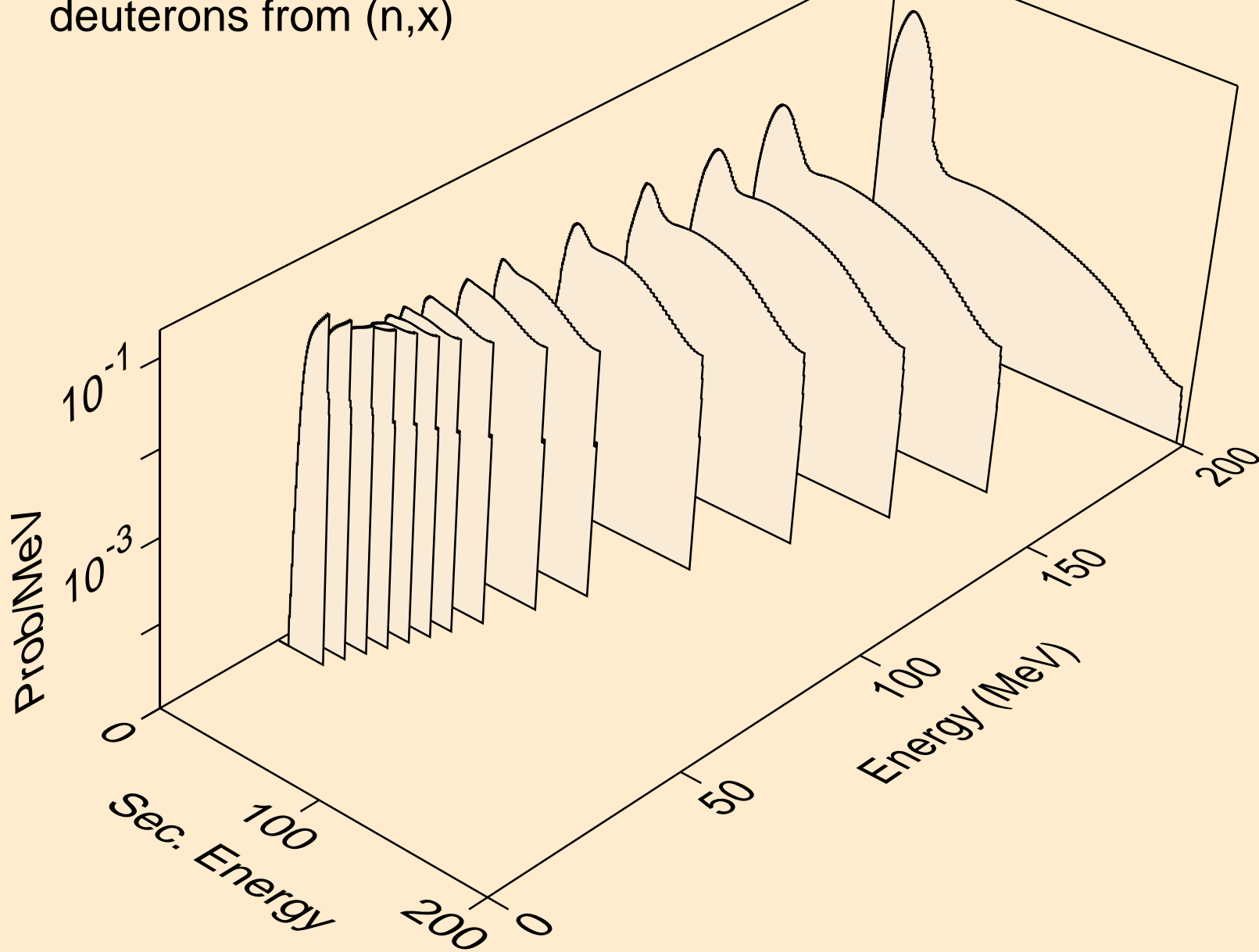
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pd)



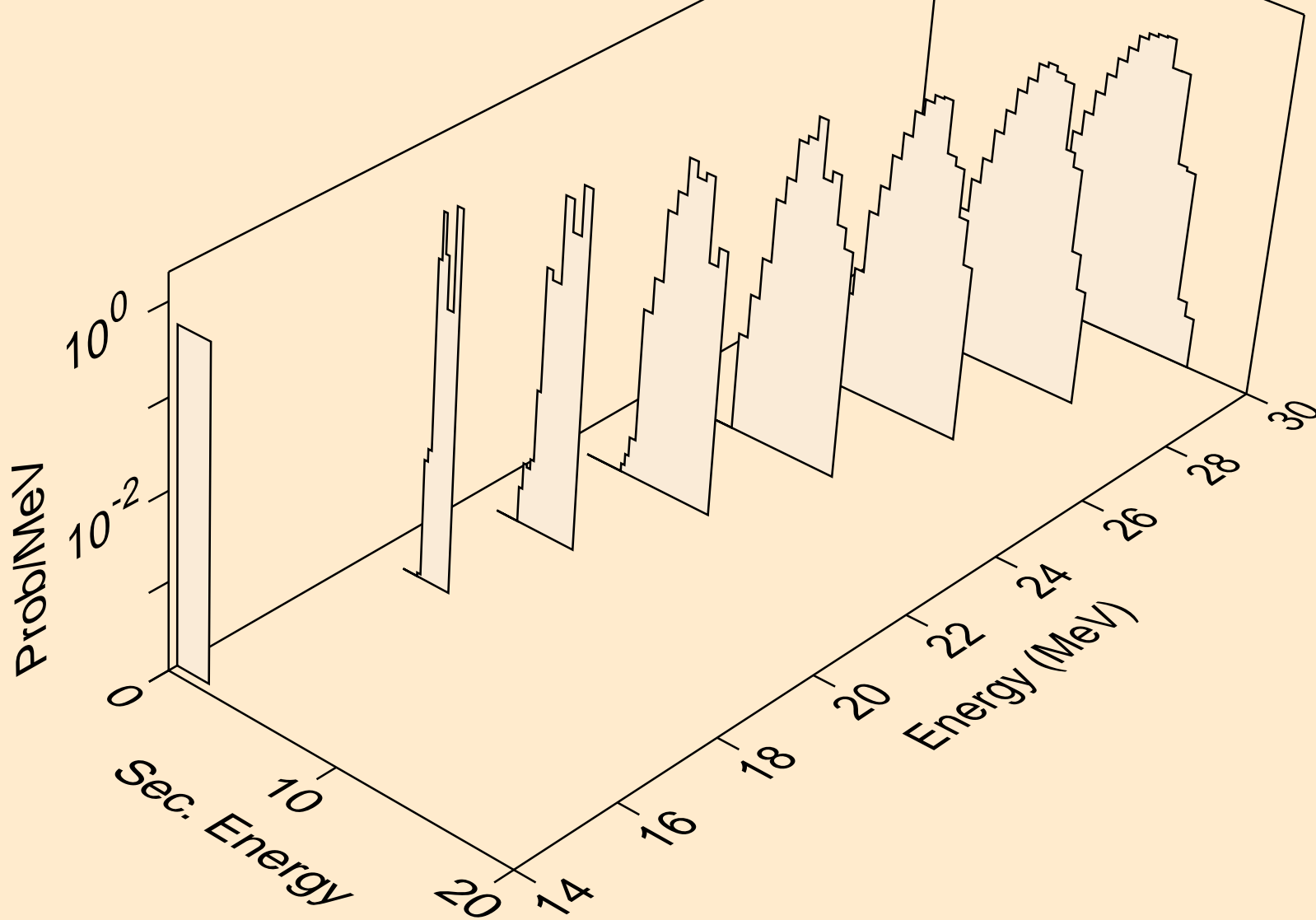
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protons from (n,pt)



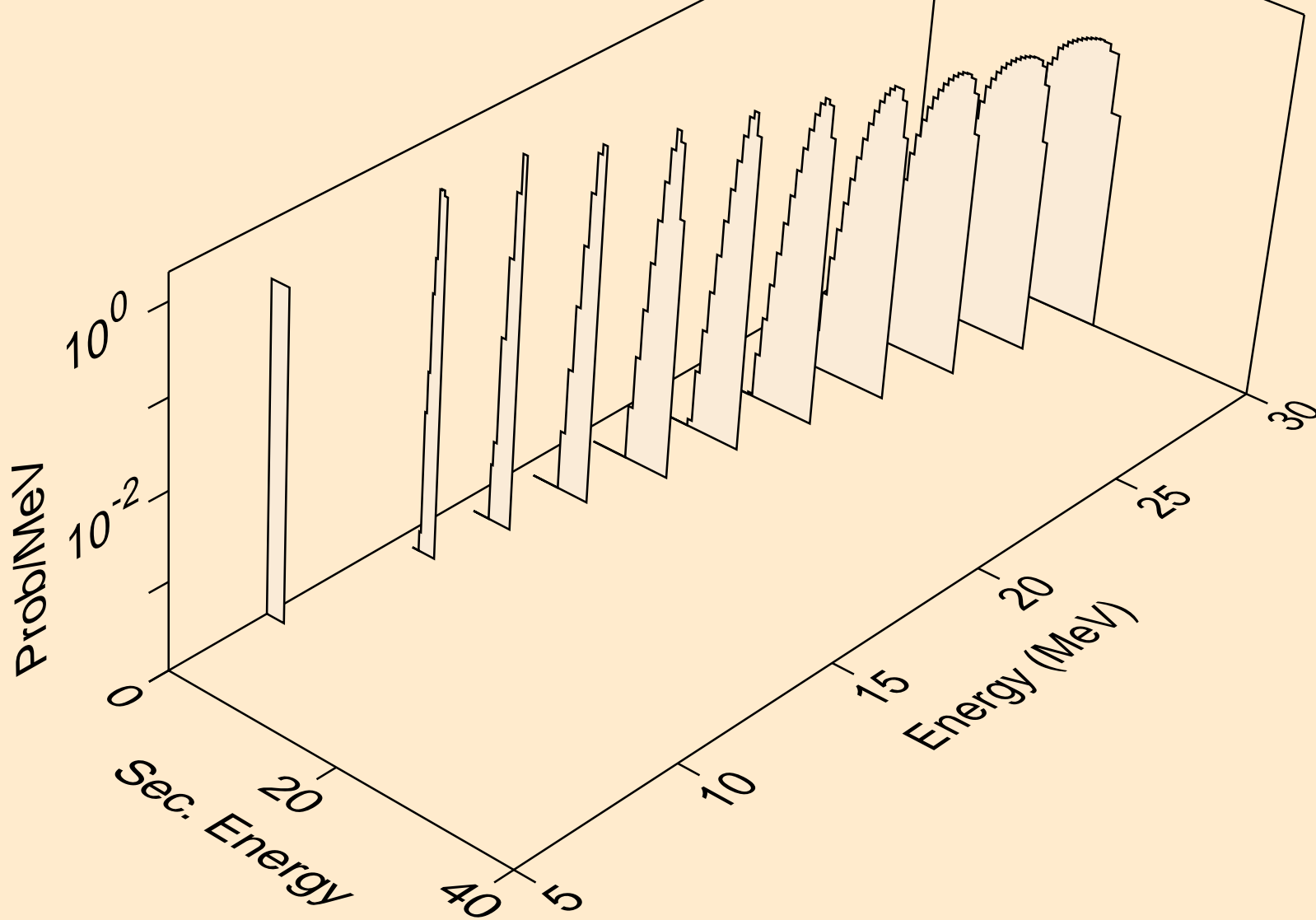
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deuterons from (n,x)



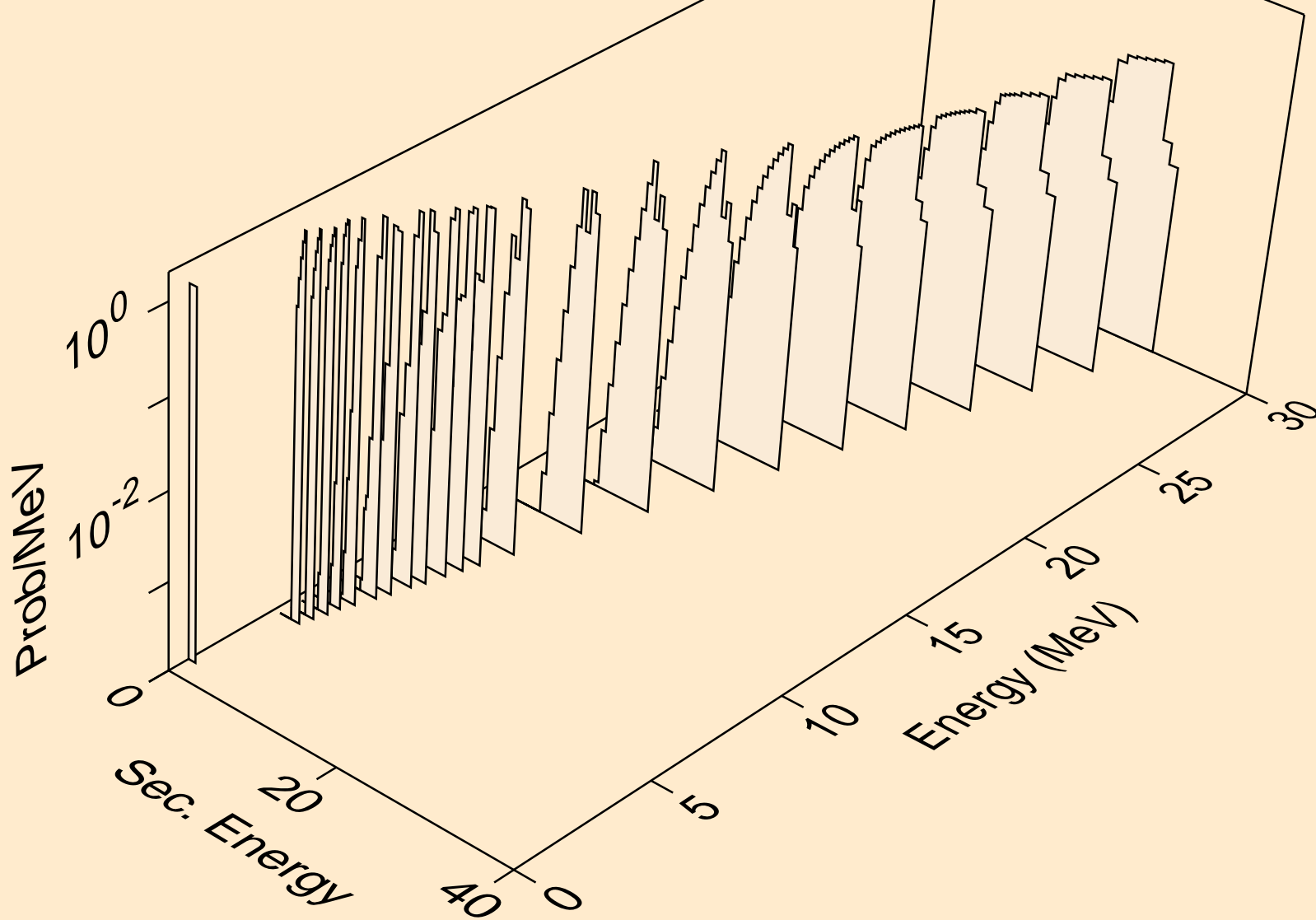
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deuterons from (n,2nd)



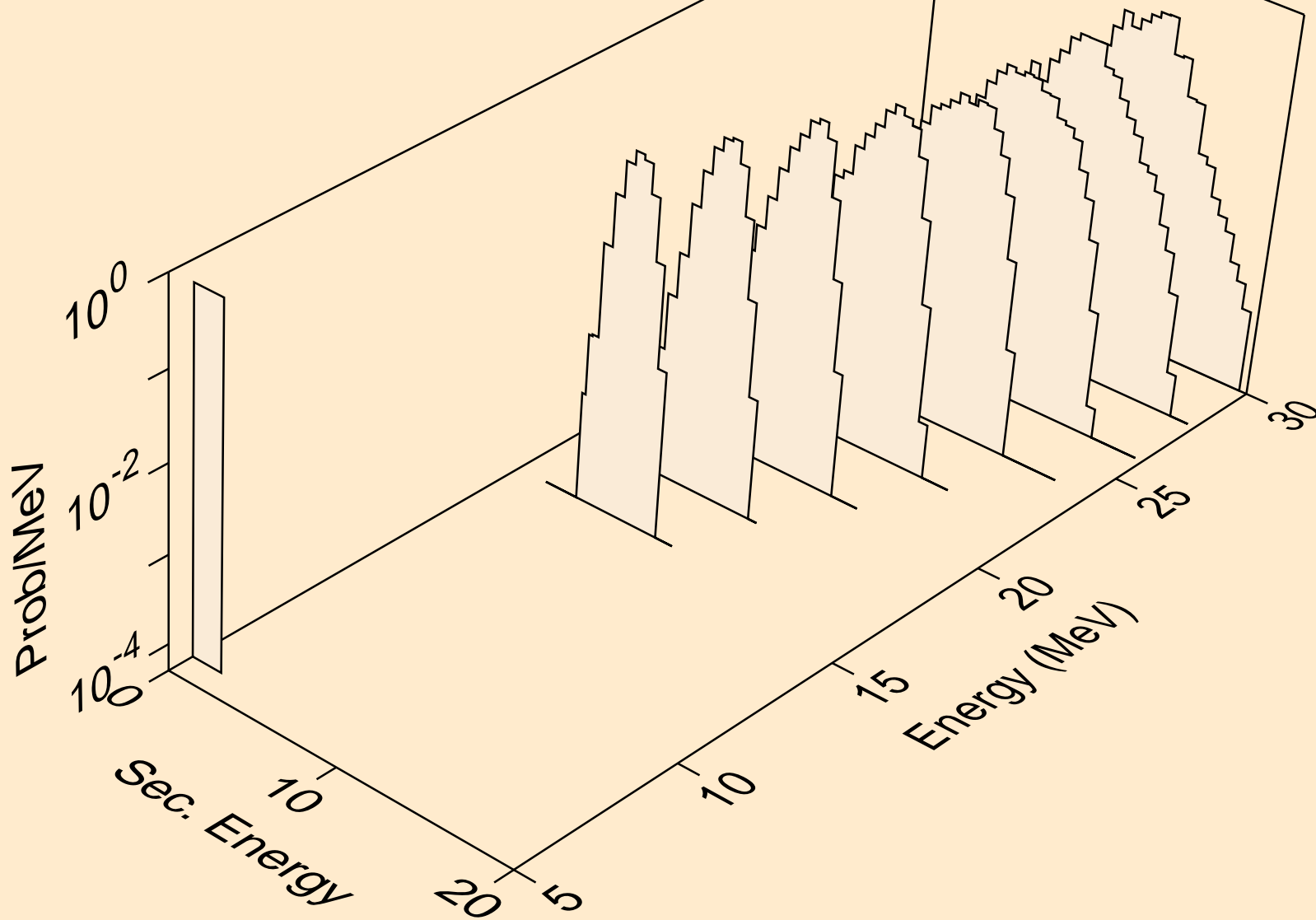
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d



MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d)

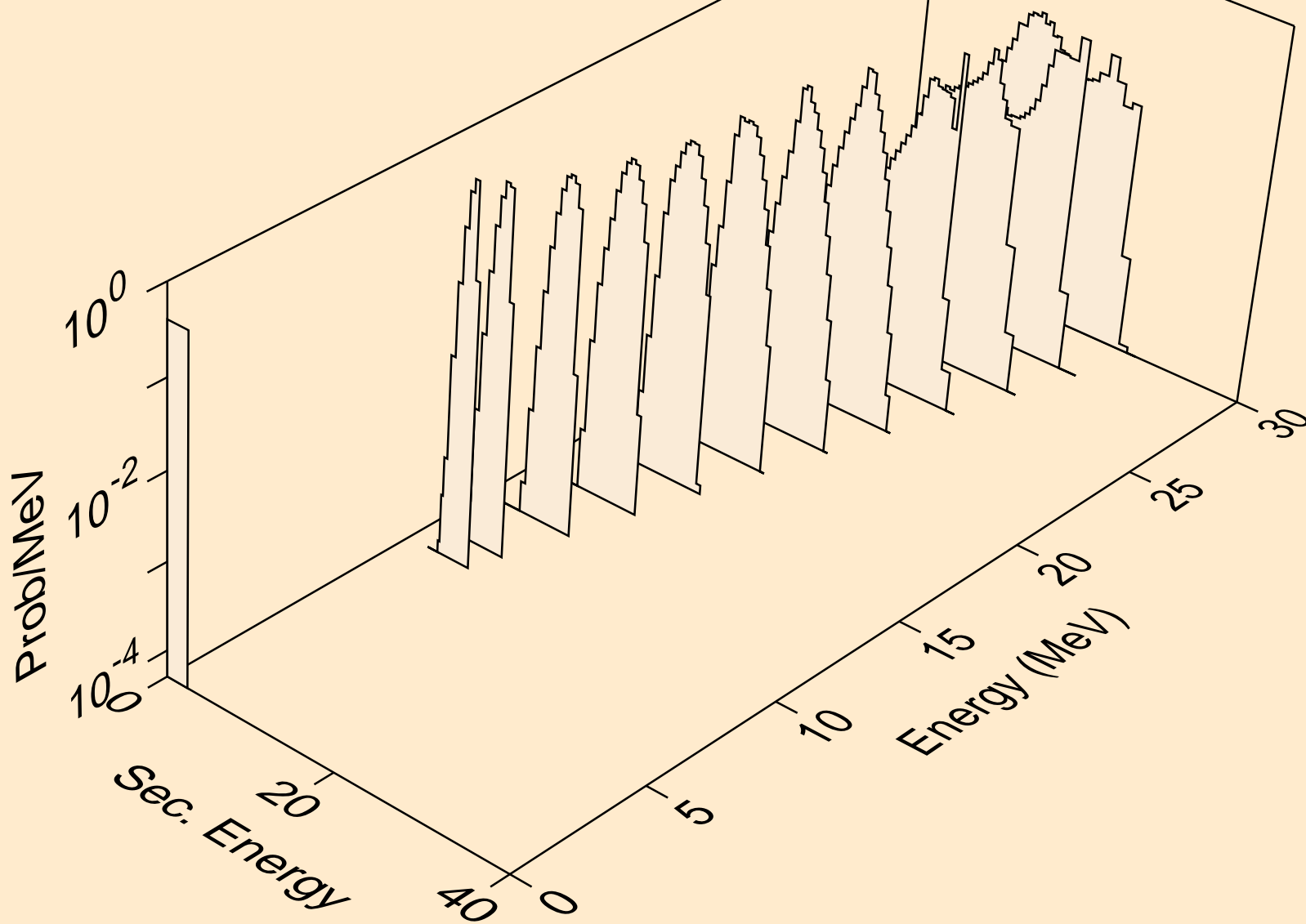


MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,pd)

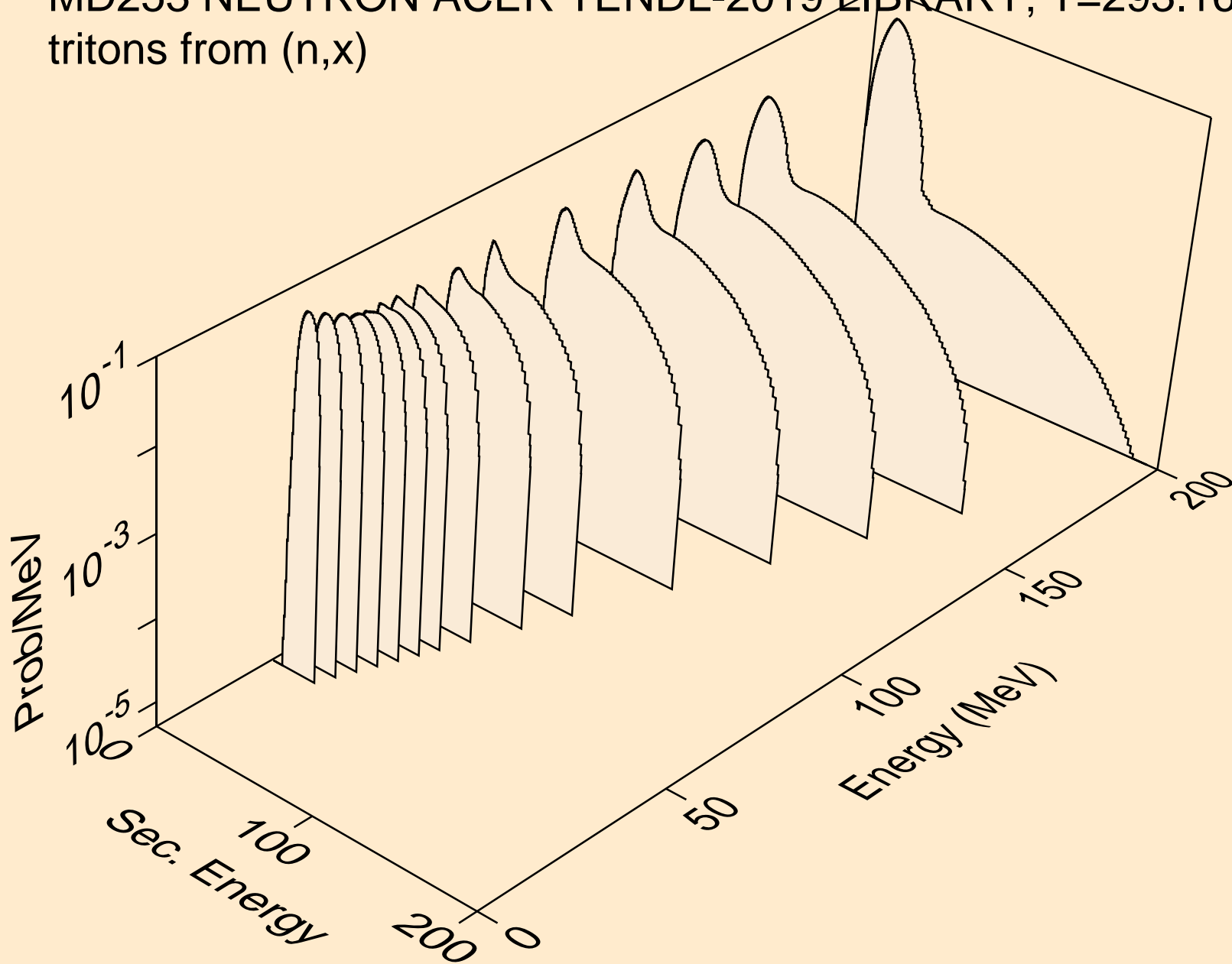




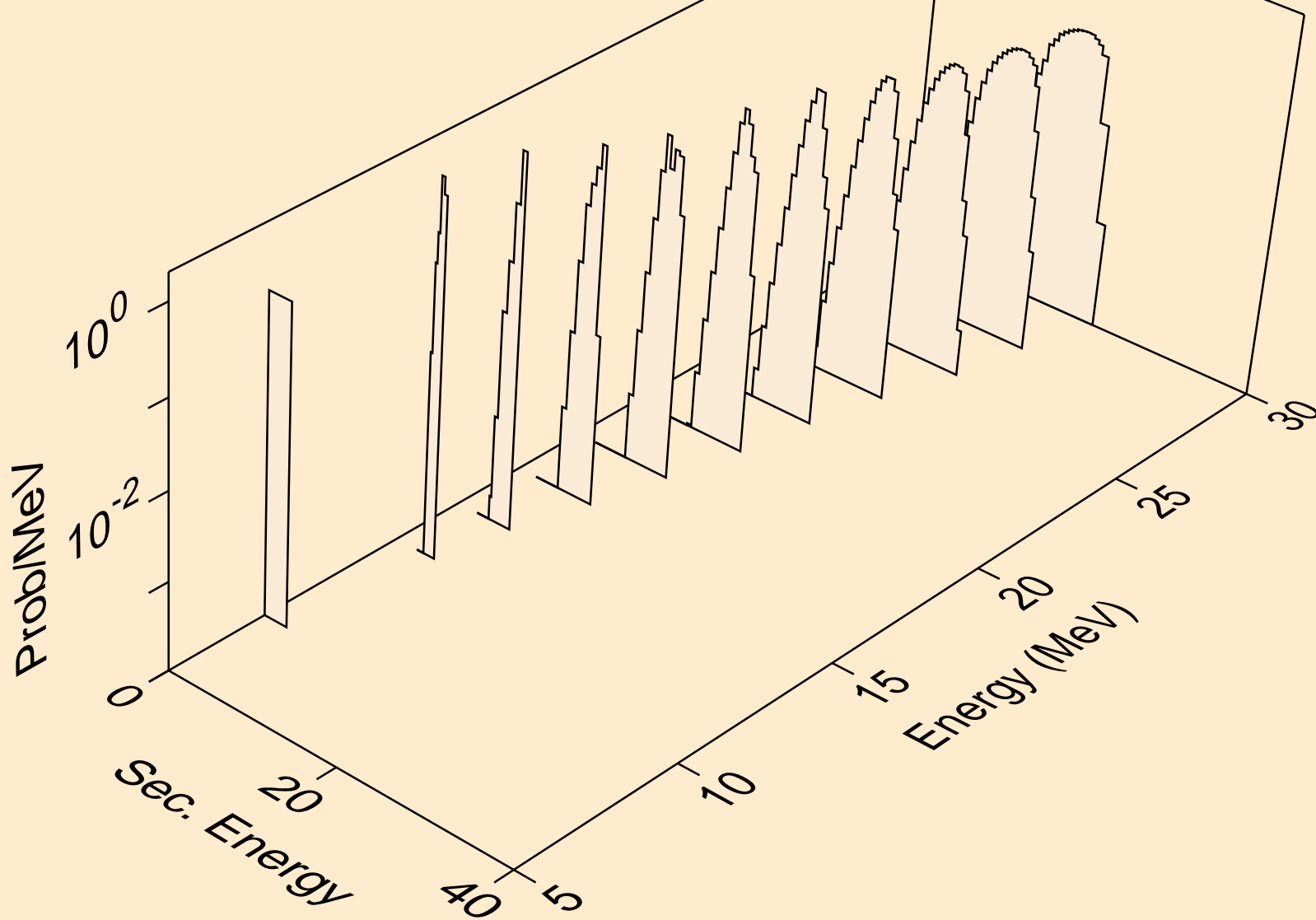
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,da)



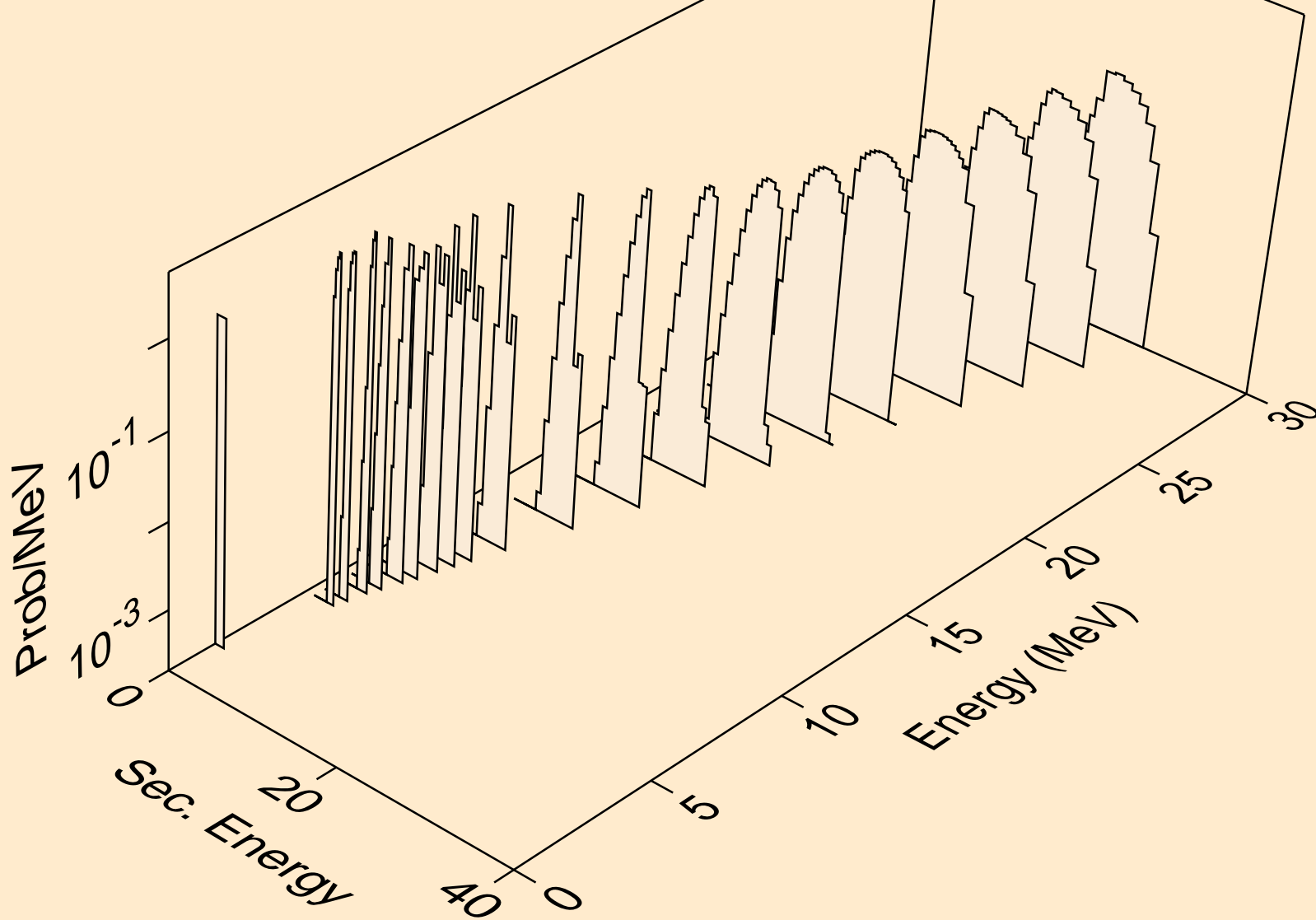
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,x)



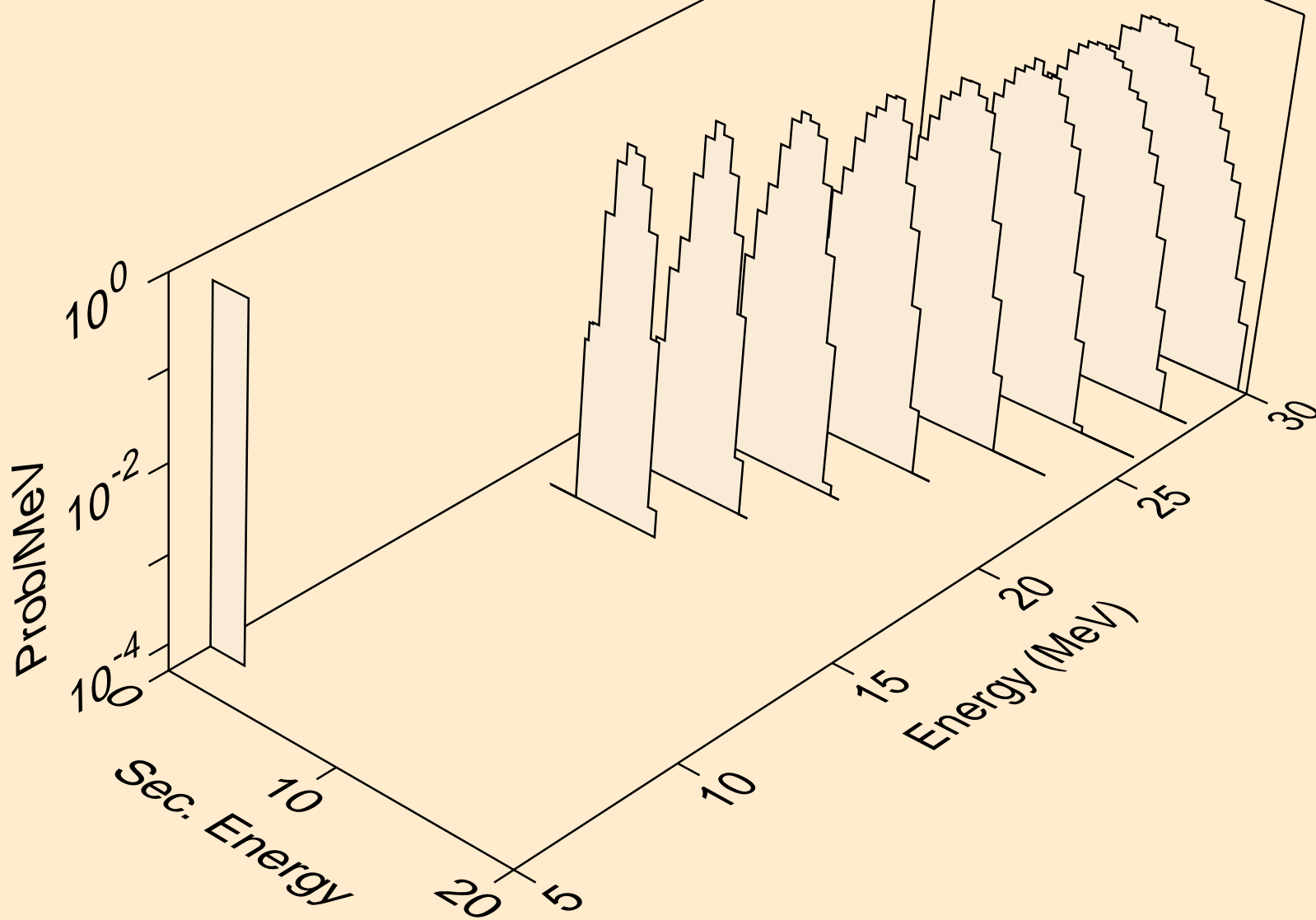
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t



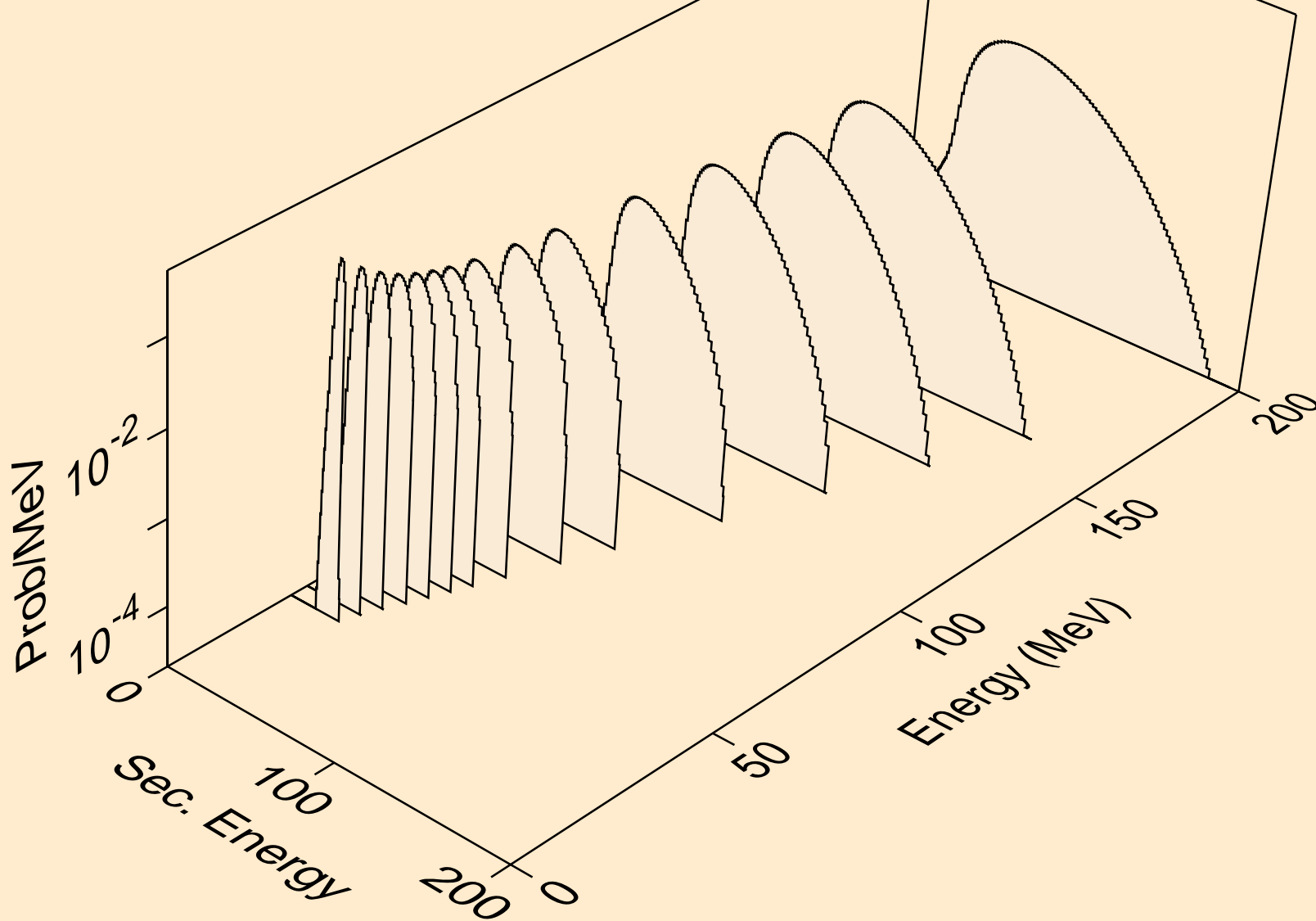
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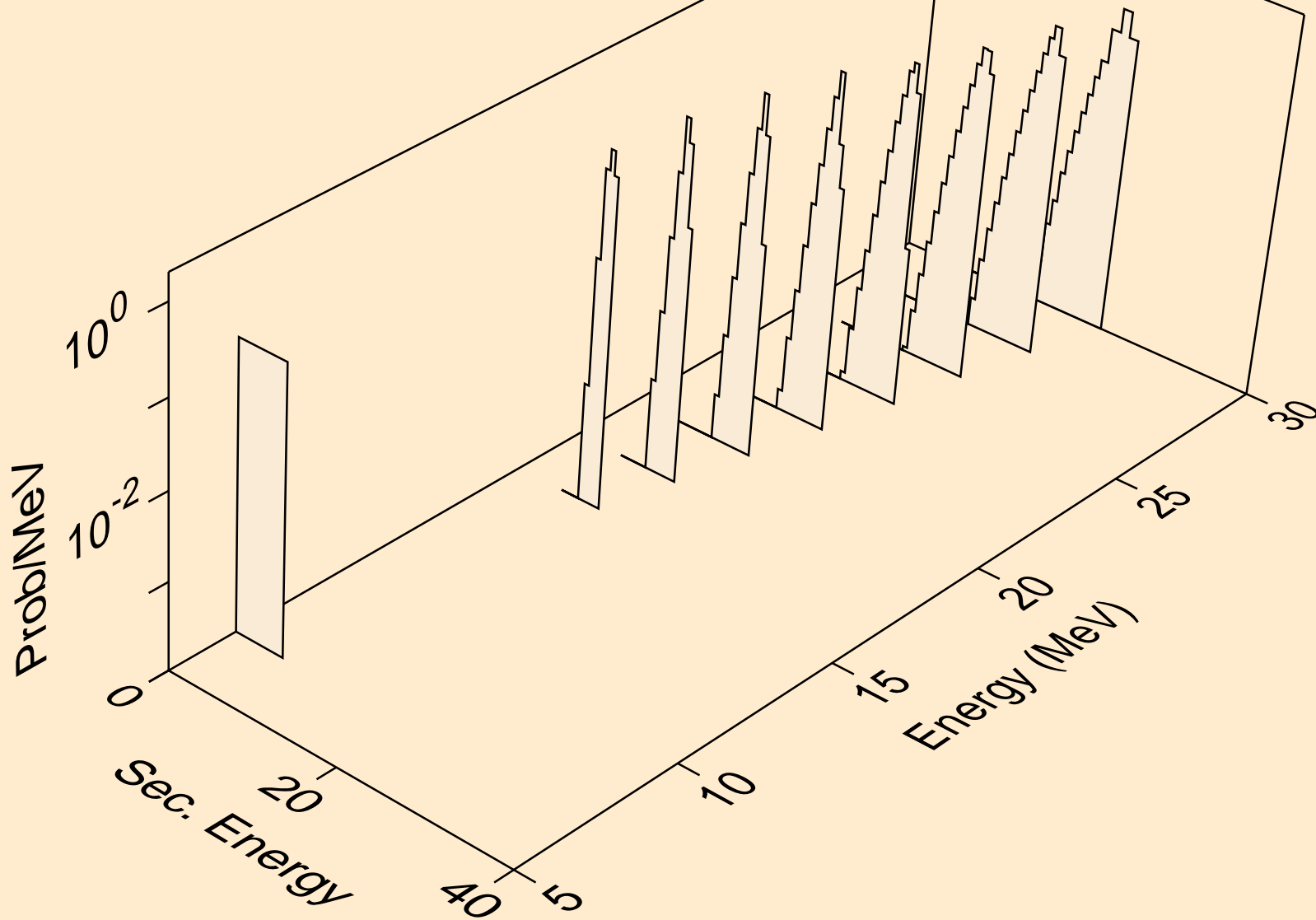
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
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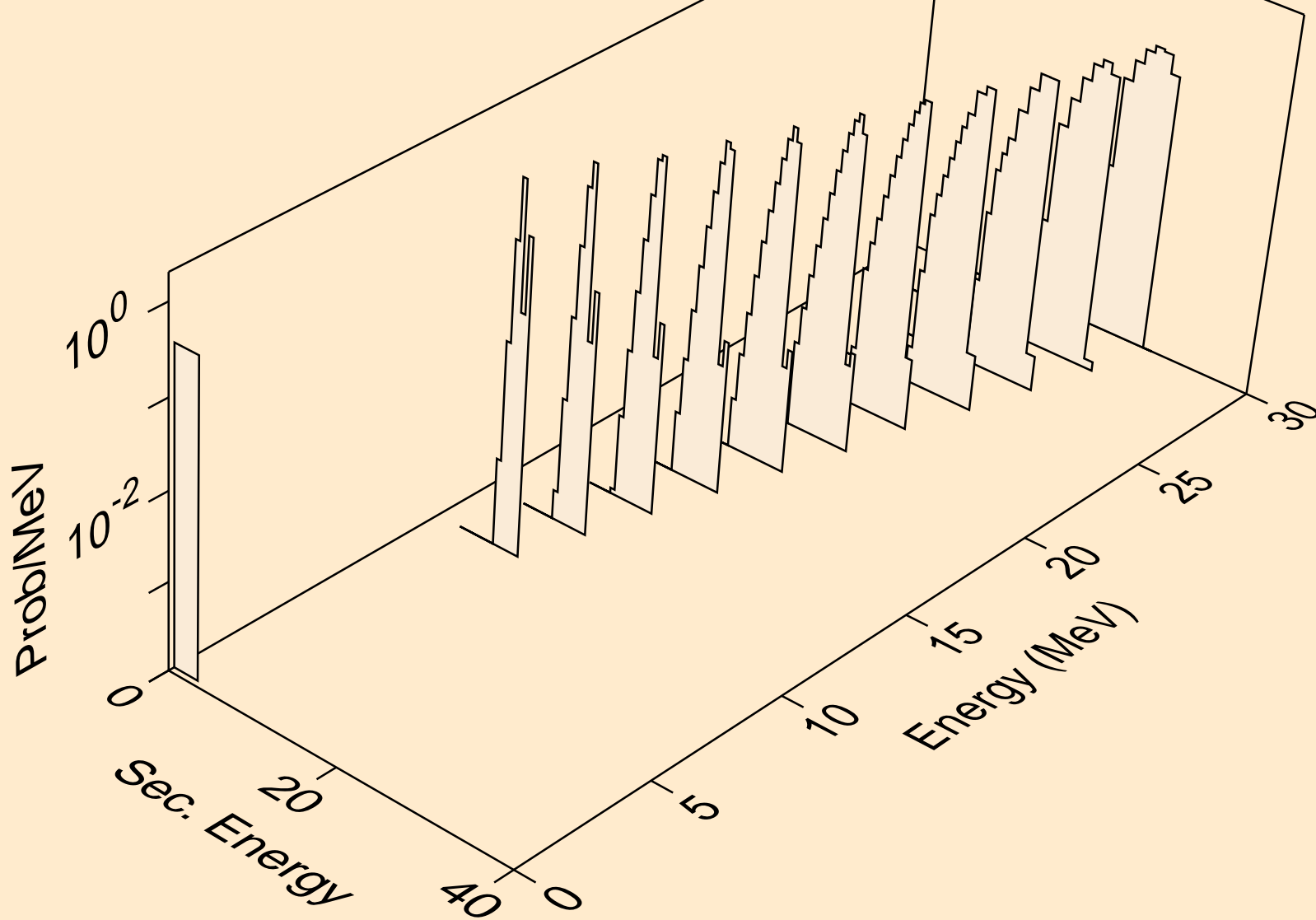
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)



MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3

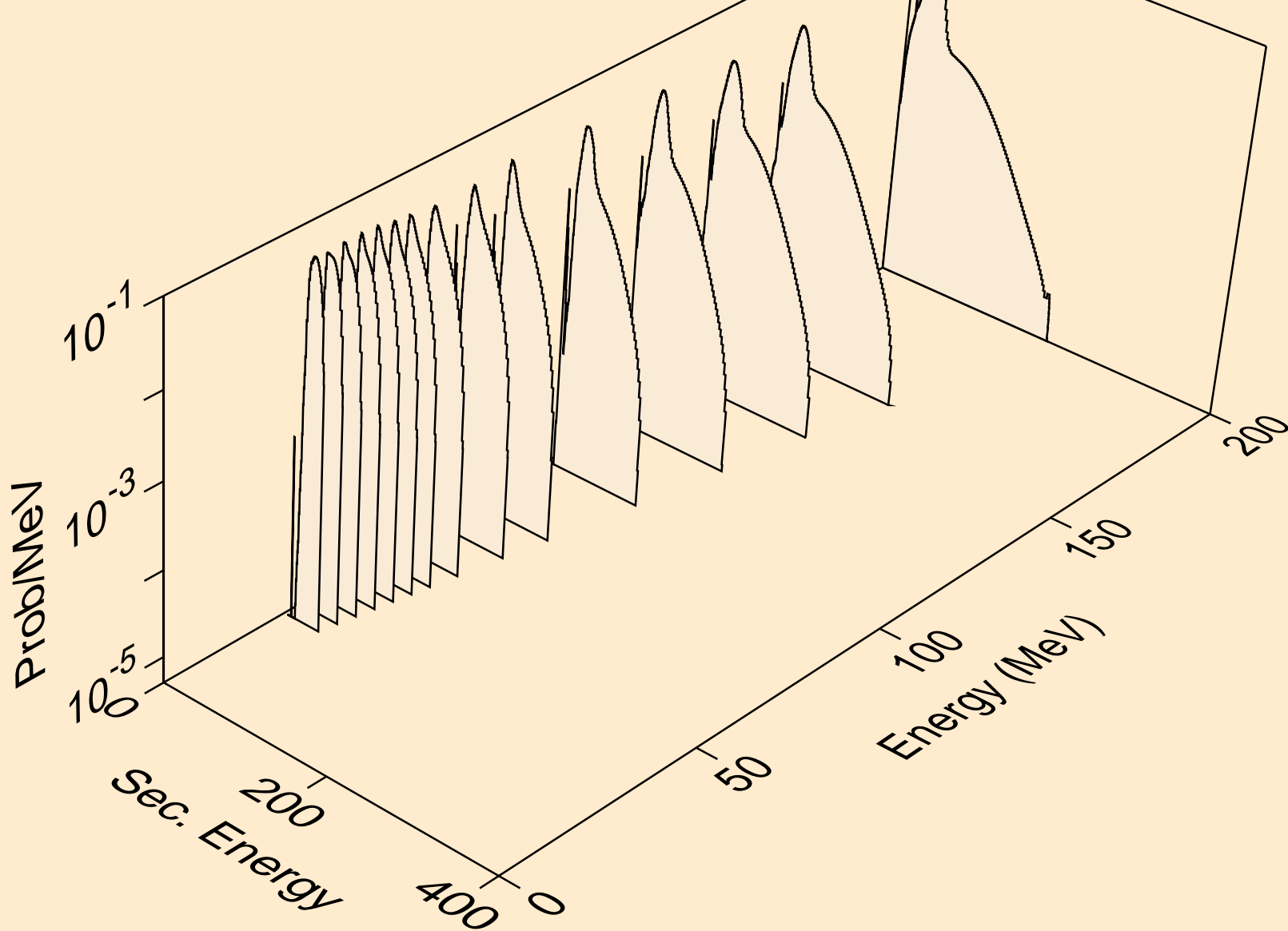


MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,he3)

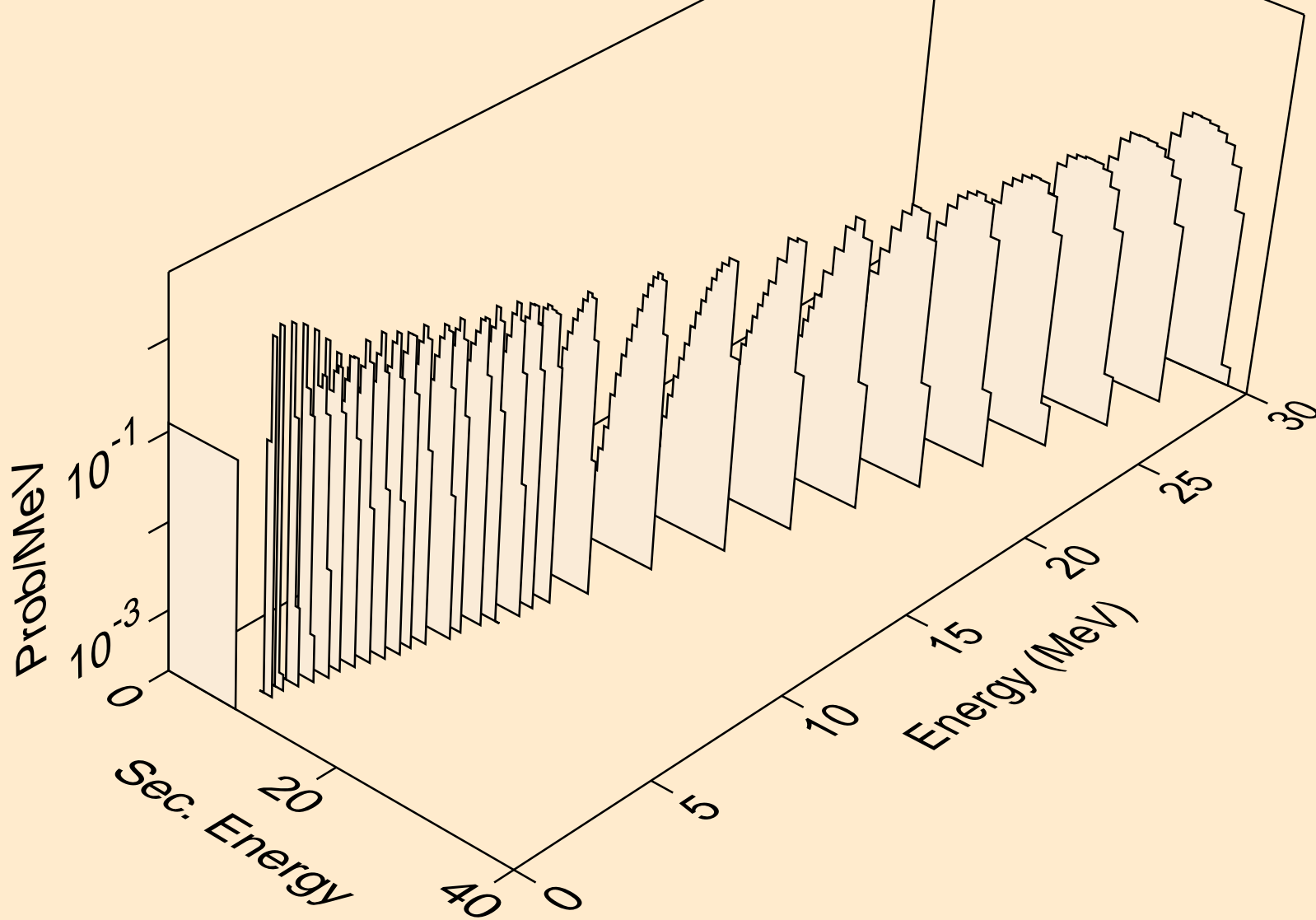




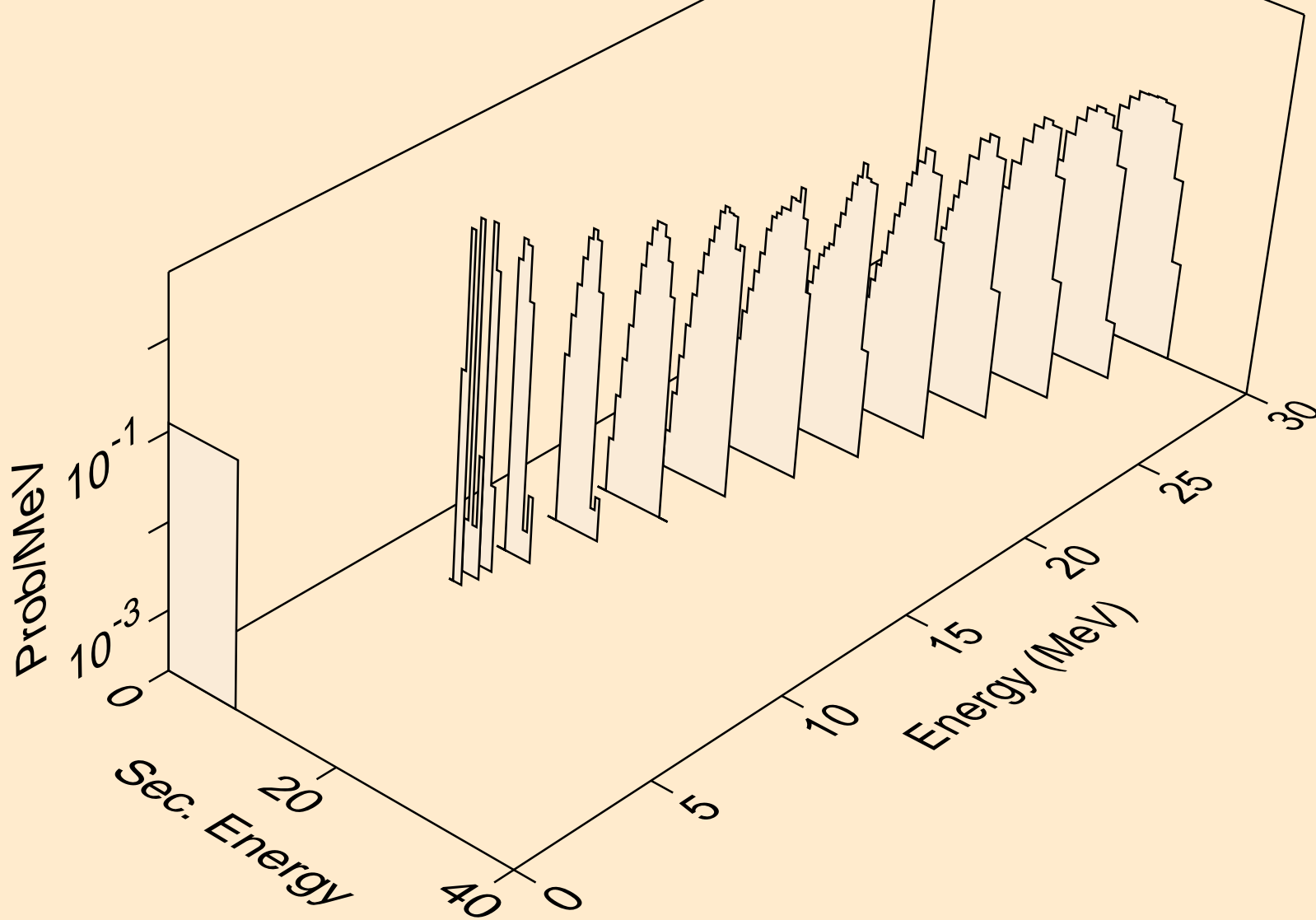
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)



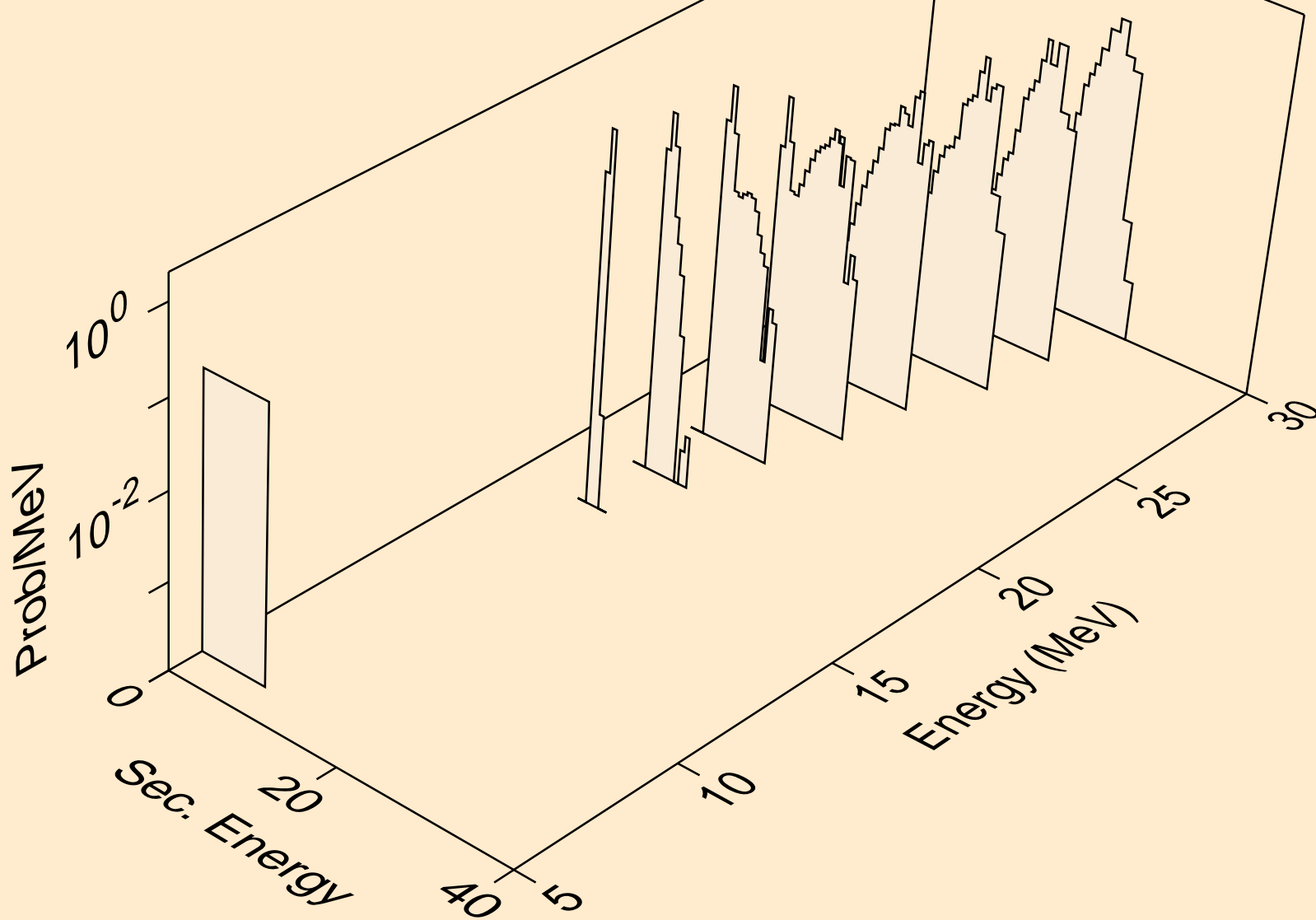
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



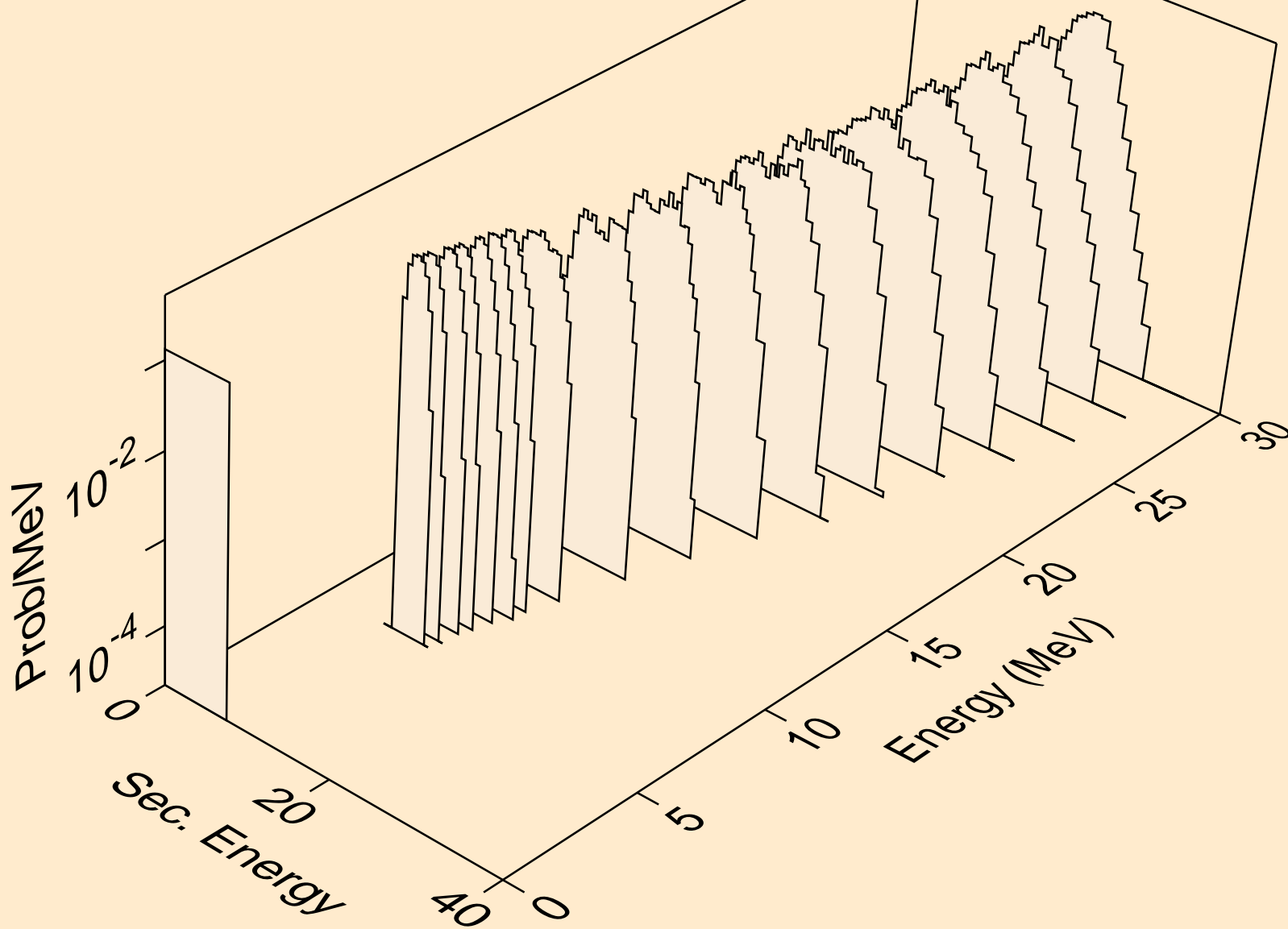
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



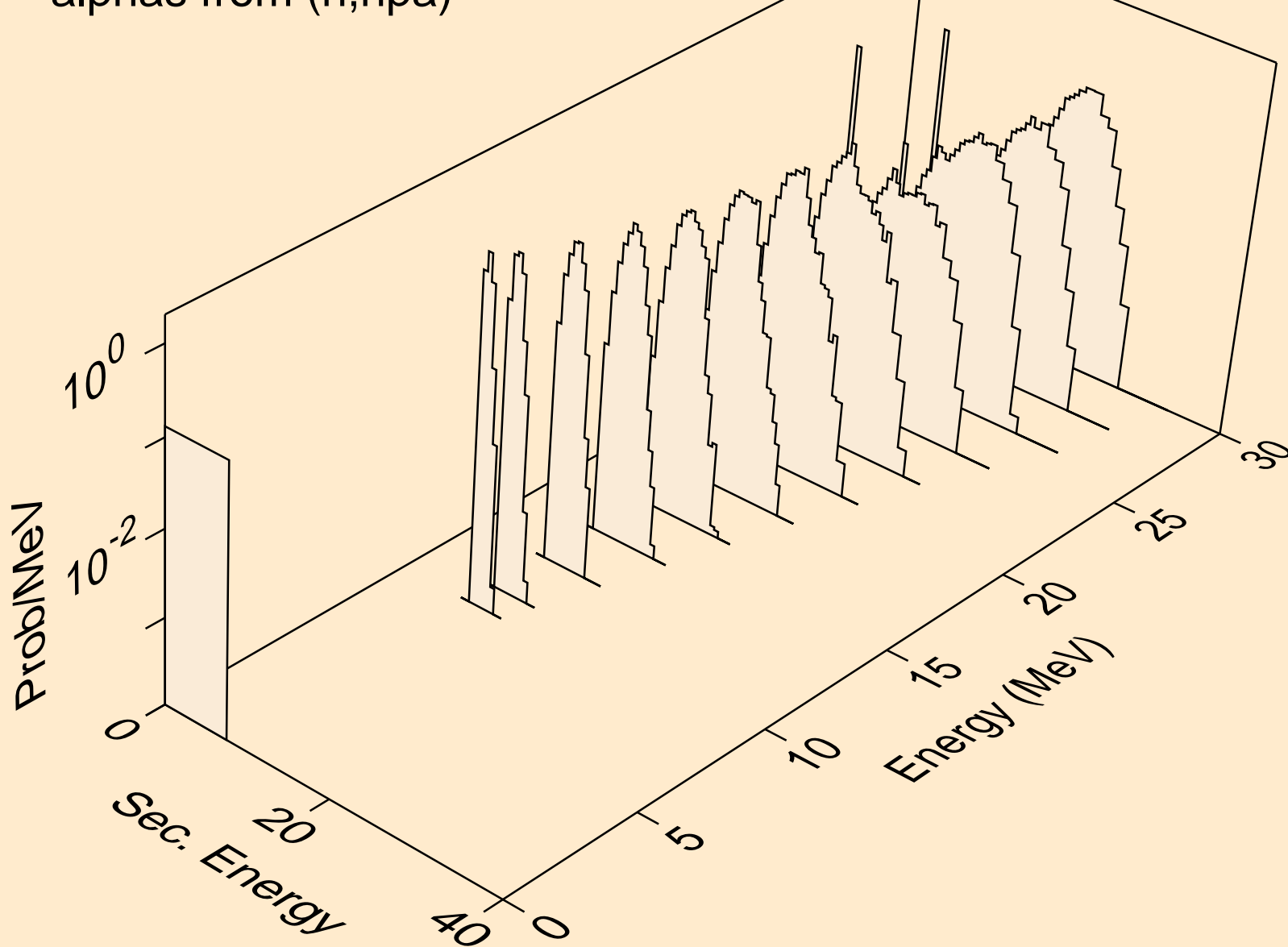
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



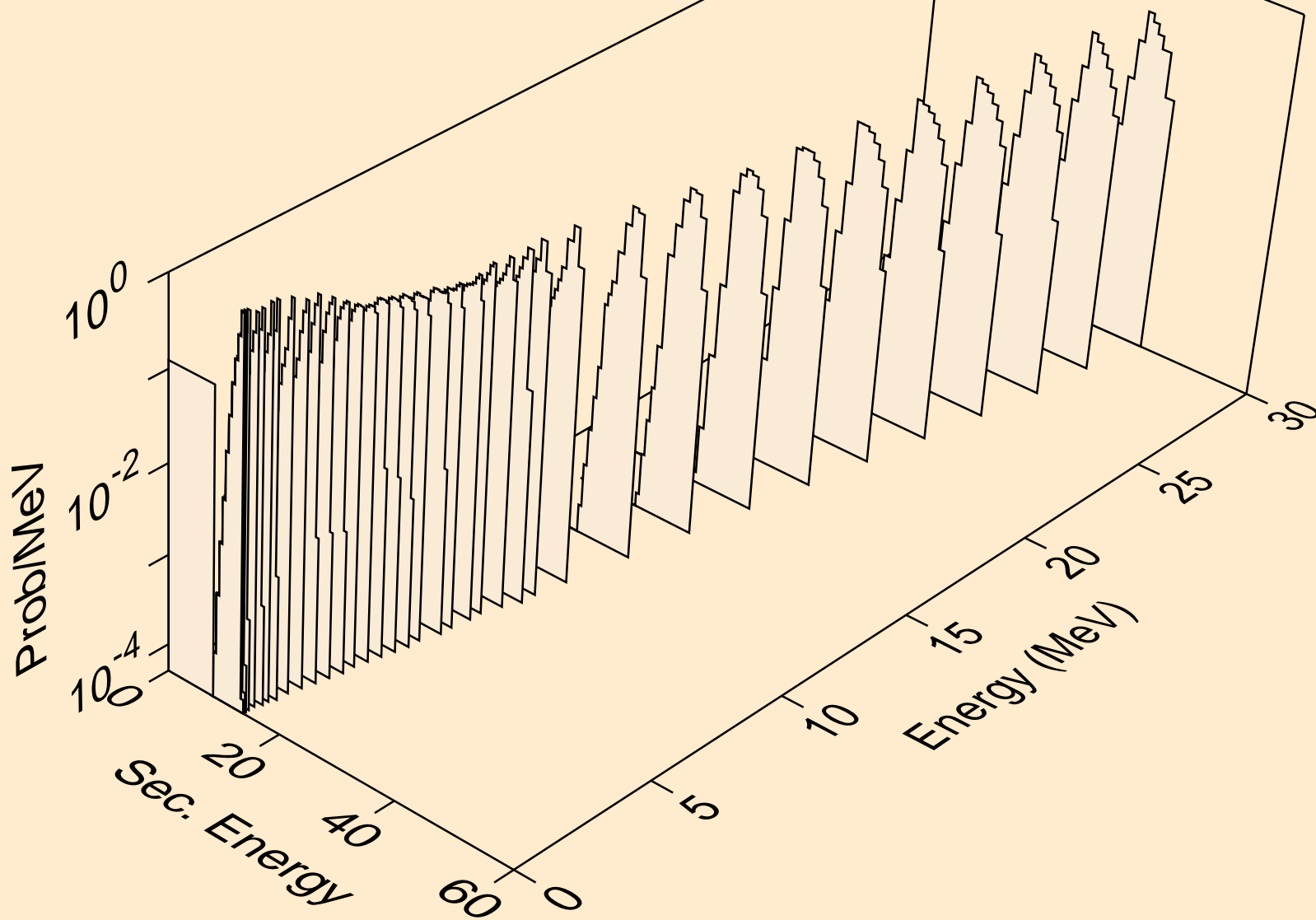
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a



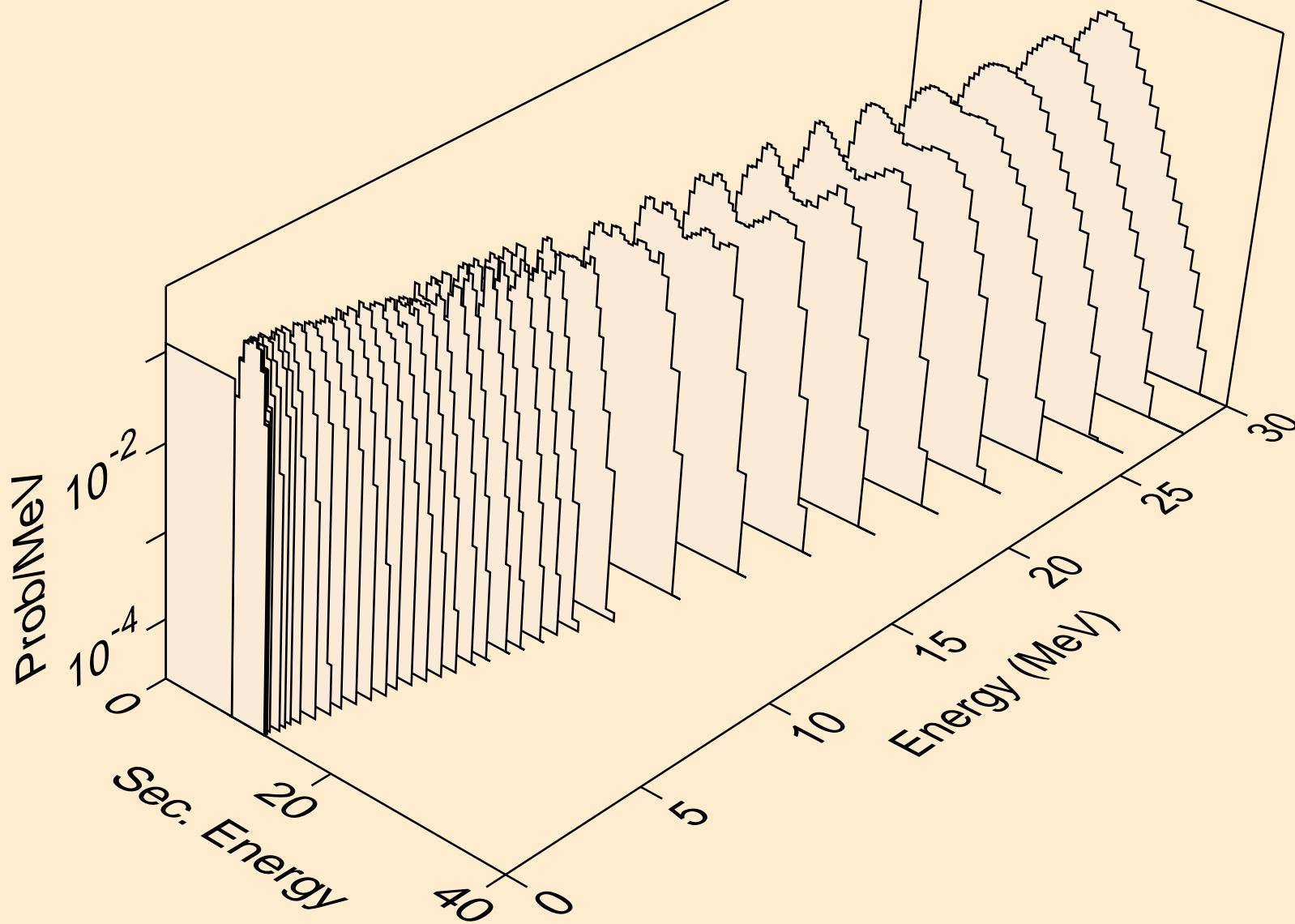
MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)



MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)

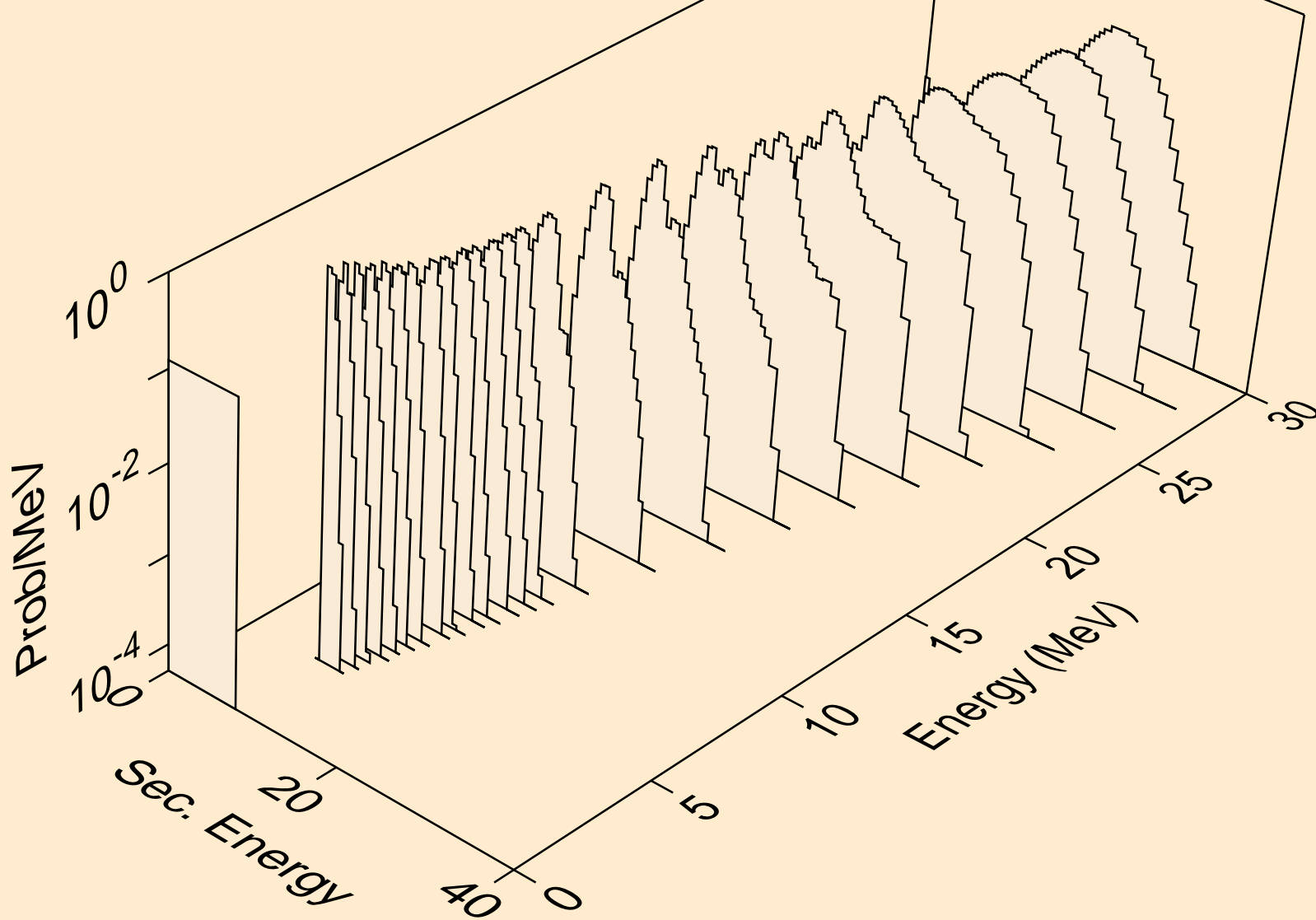


MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)





MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



MD253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

