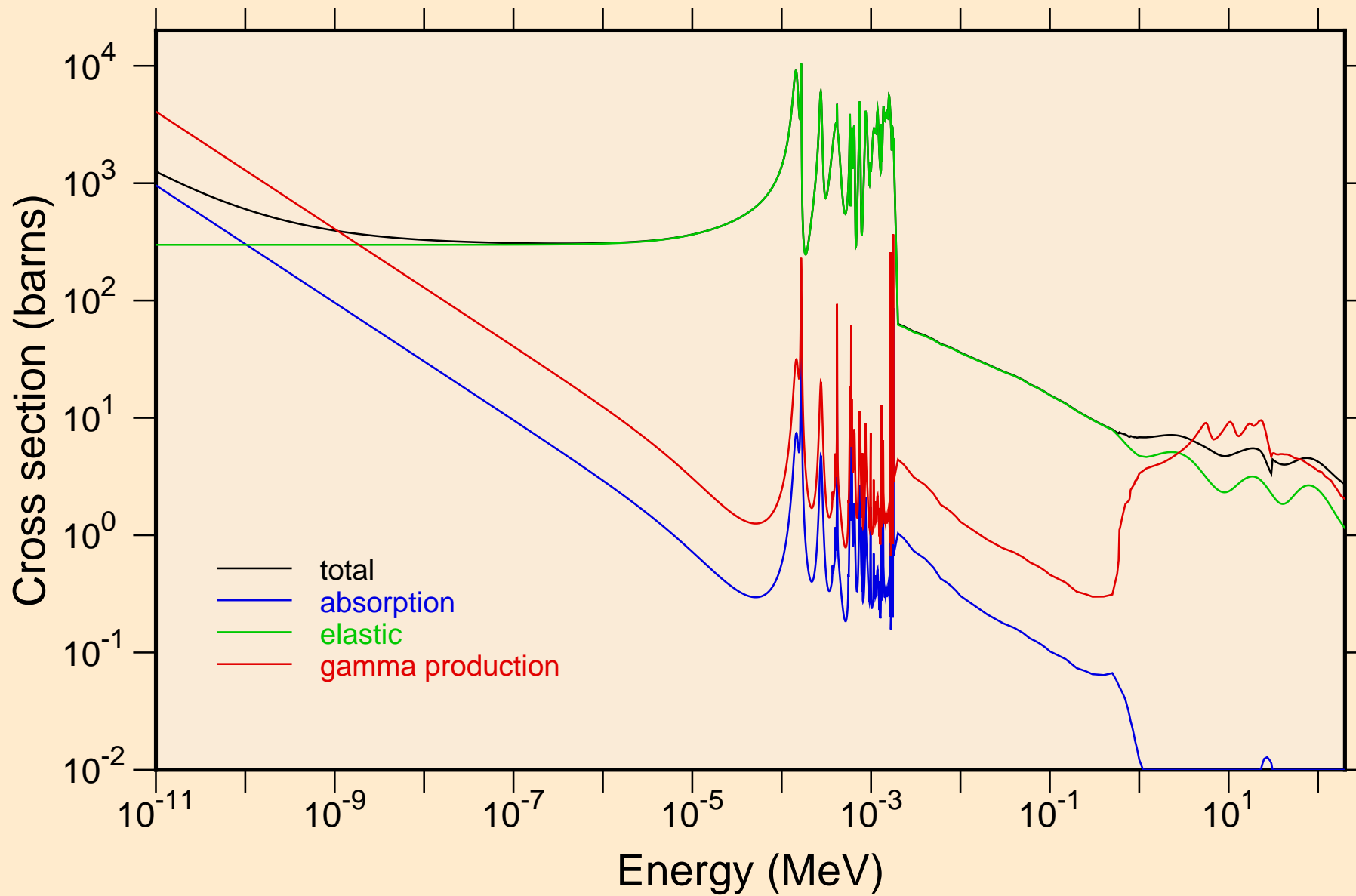
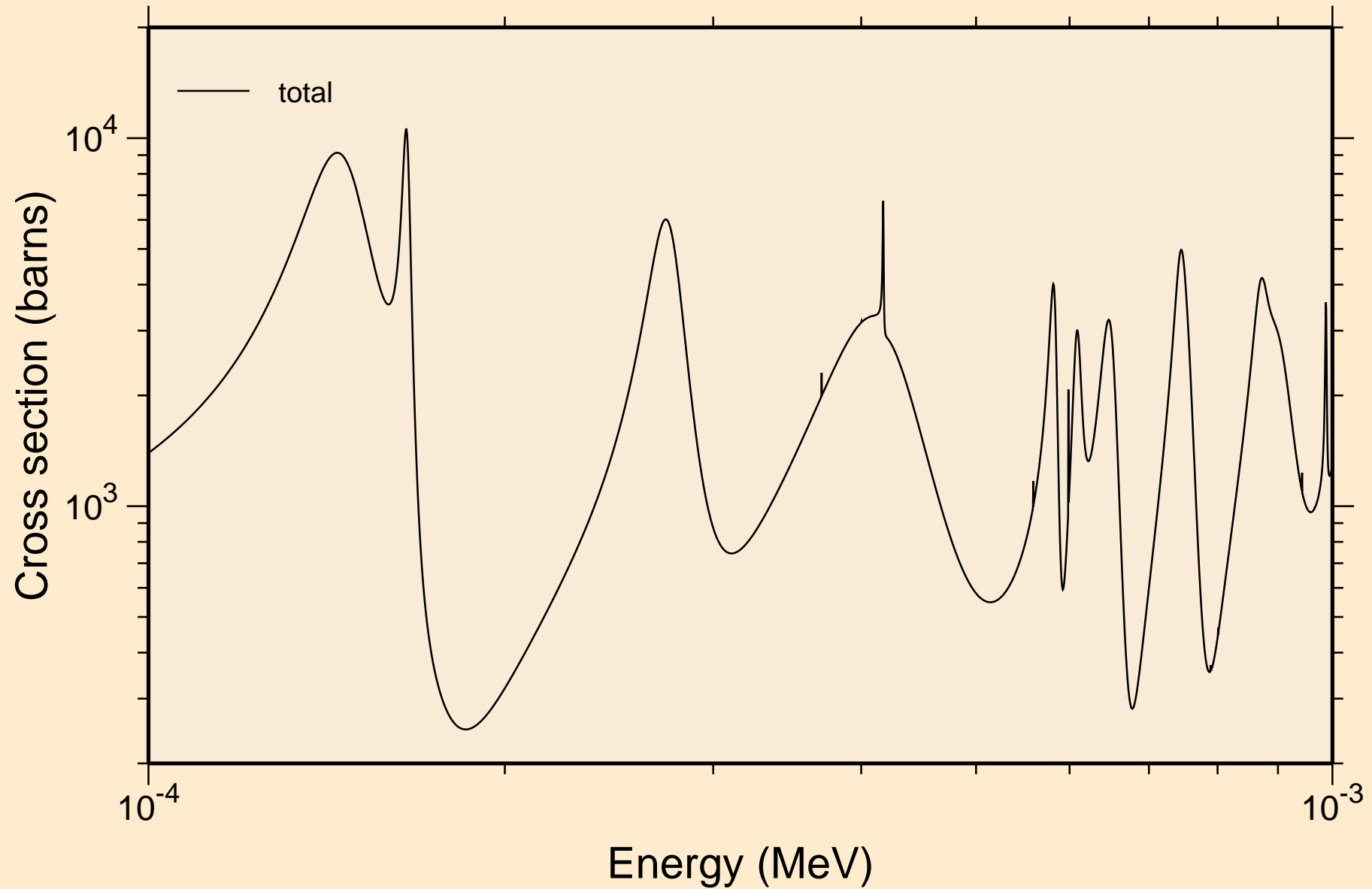


# TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

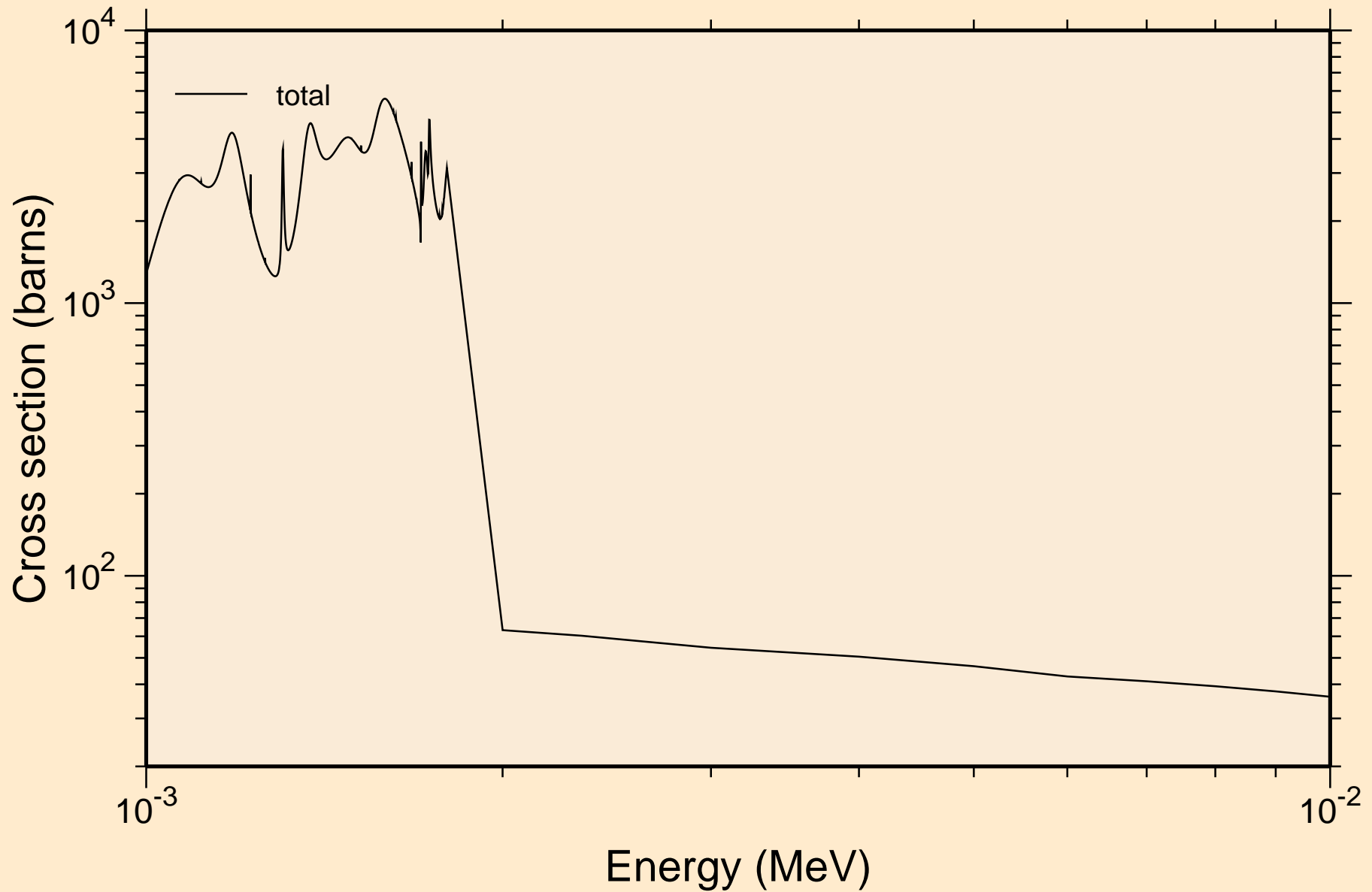
## Principal cross sections



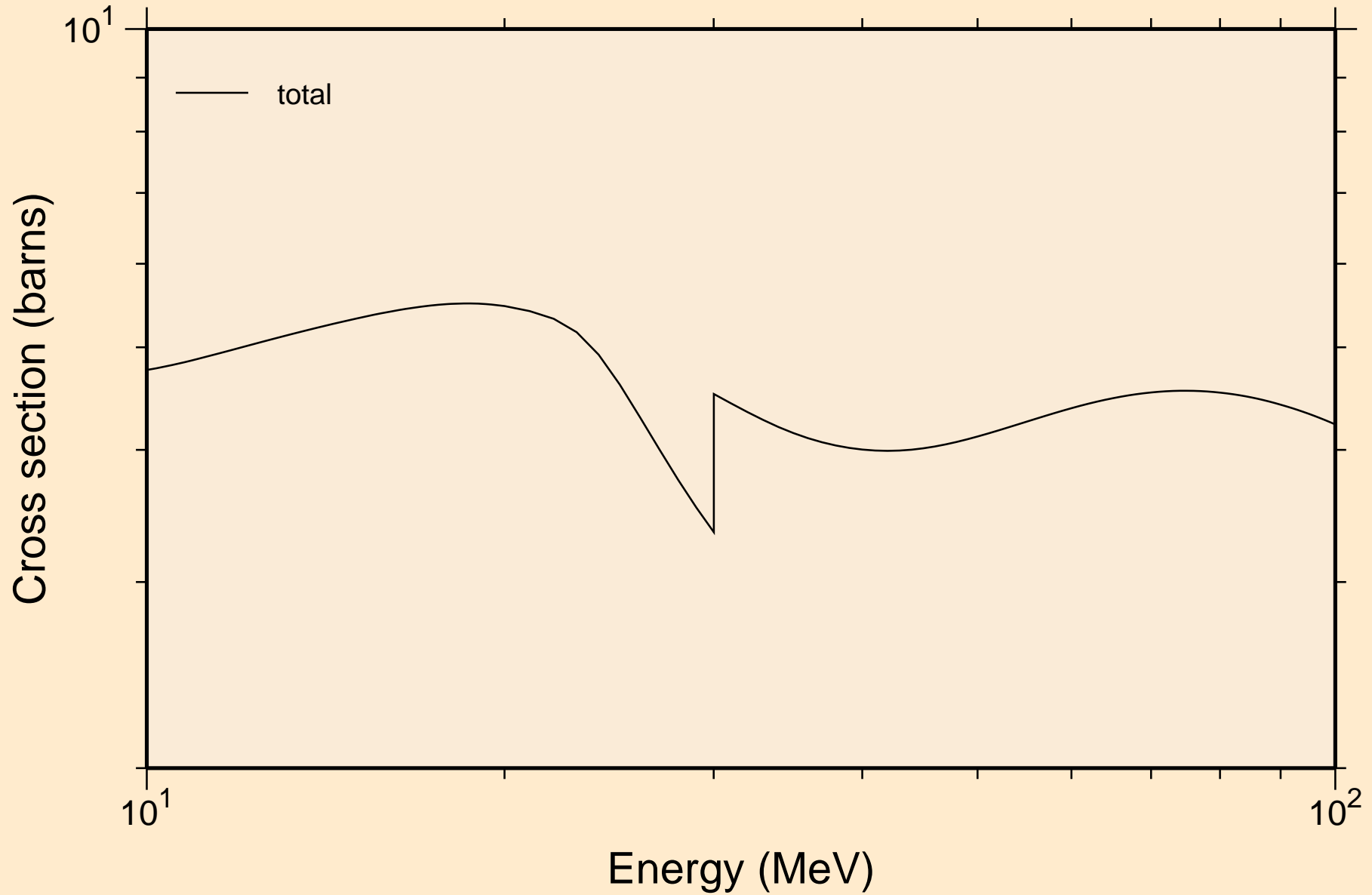
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



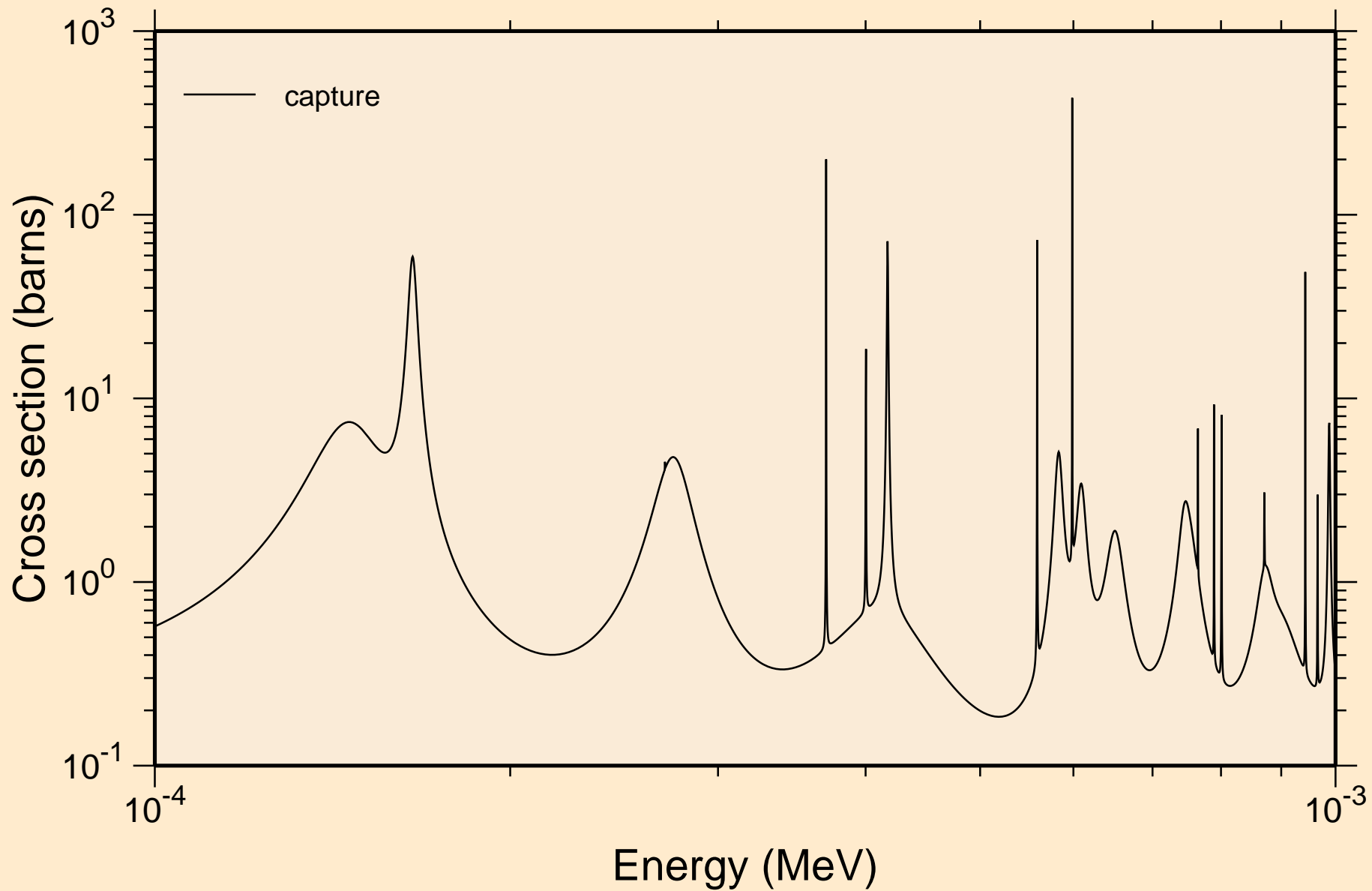
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



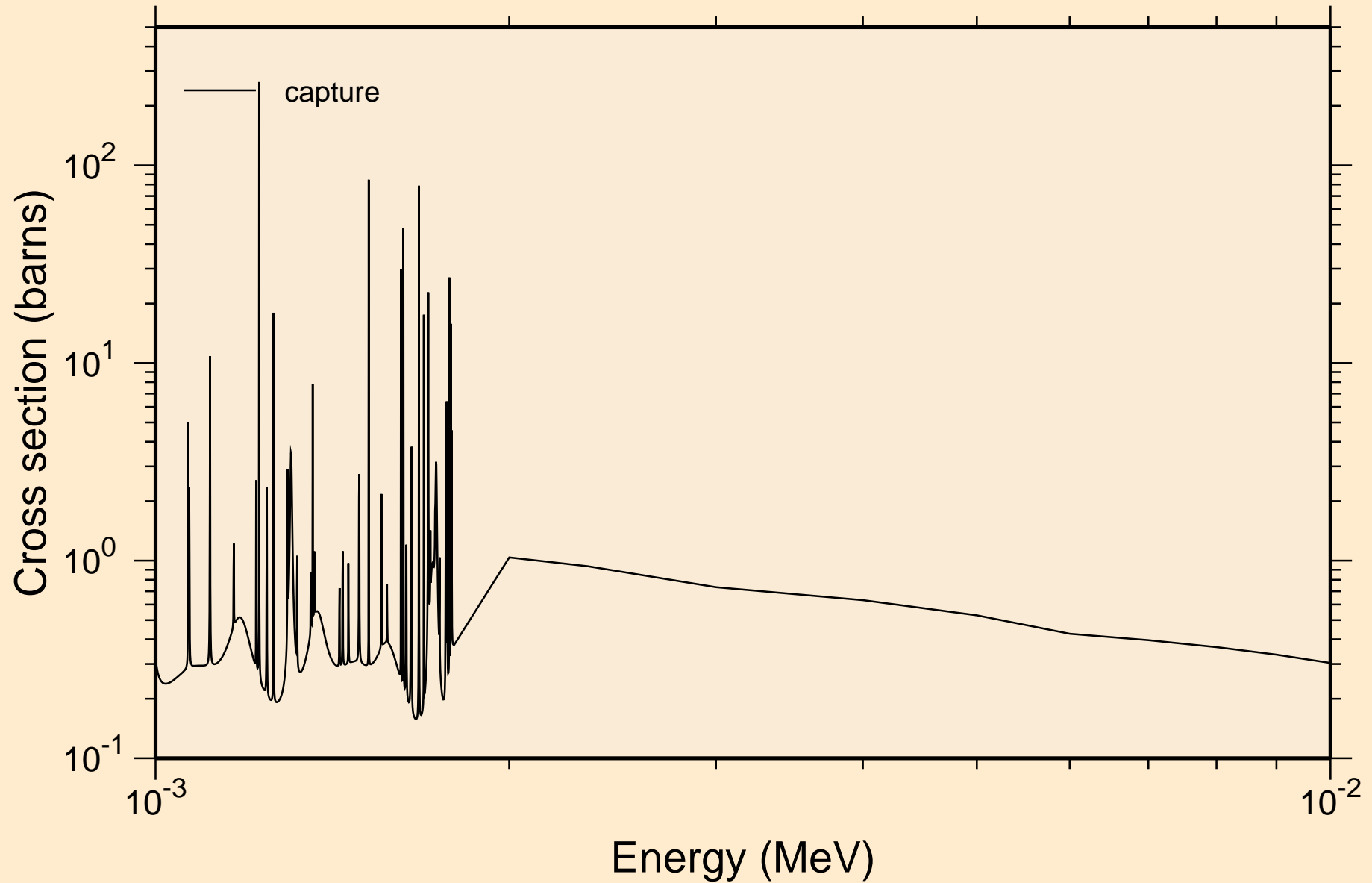
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



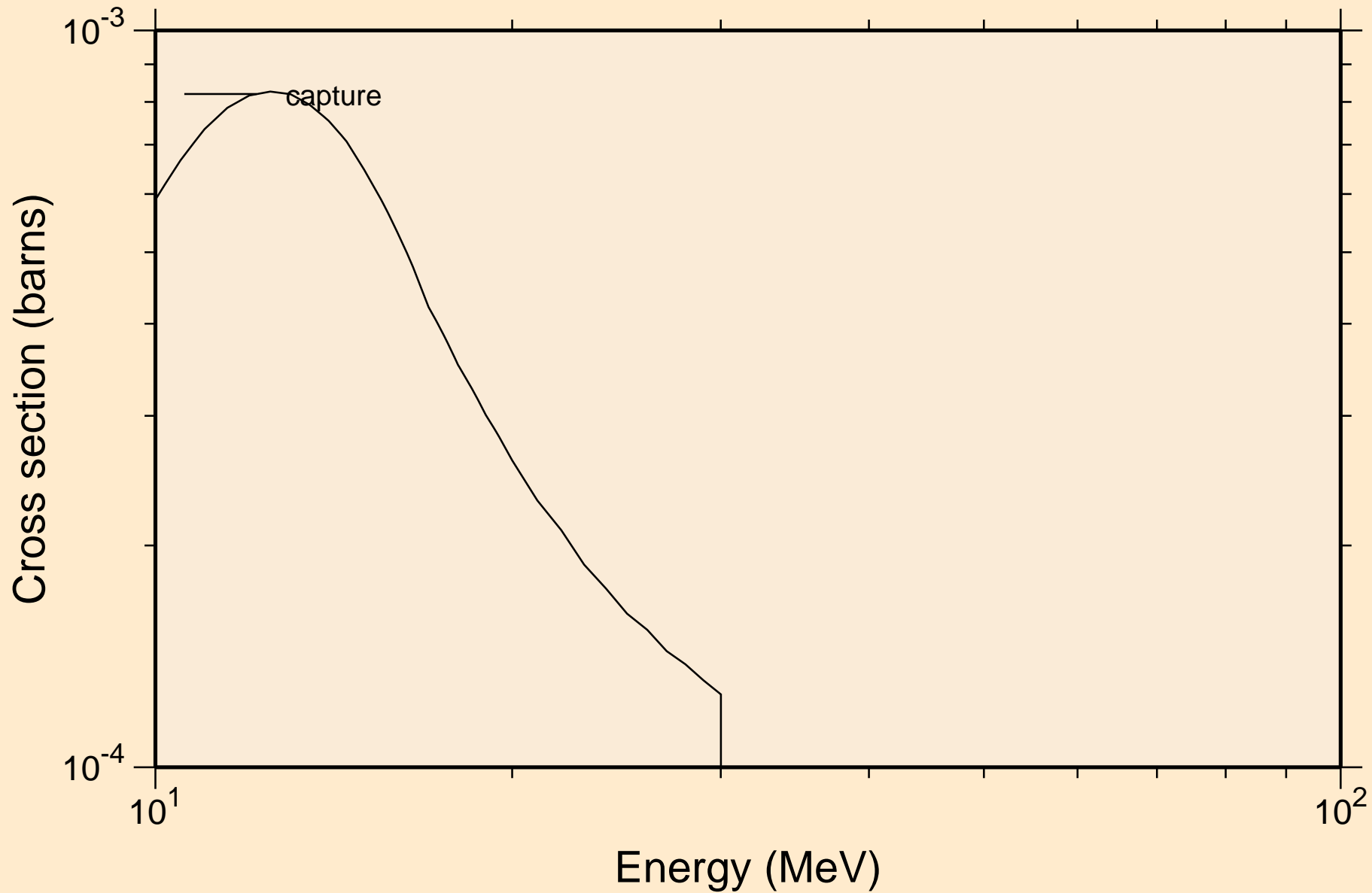
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



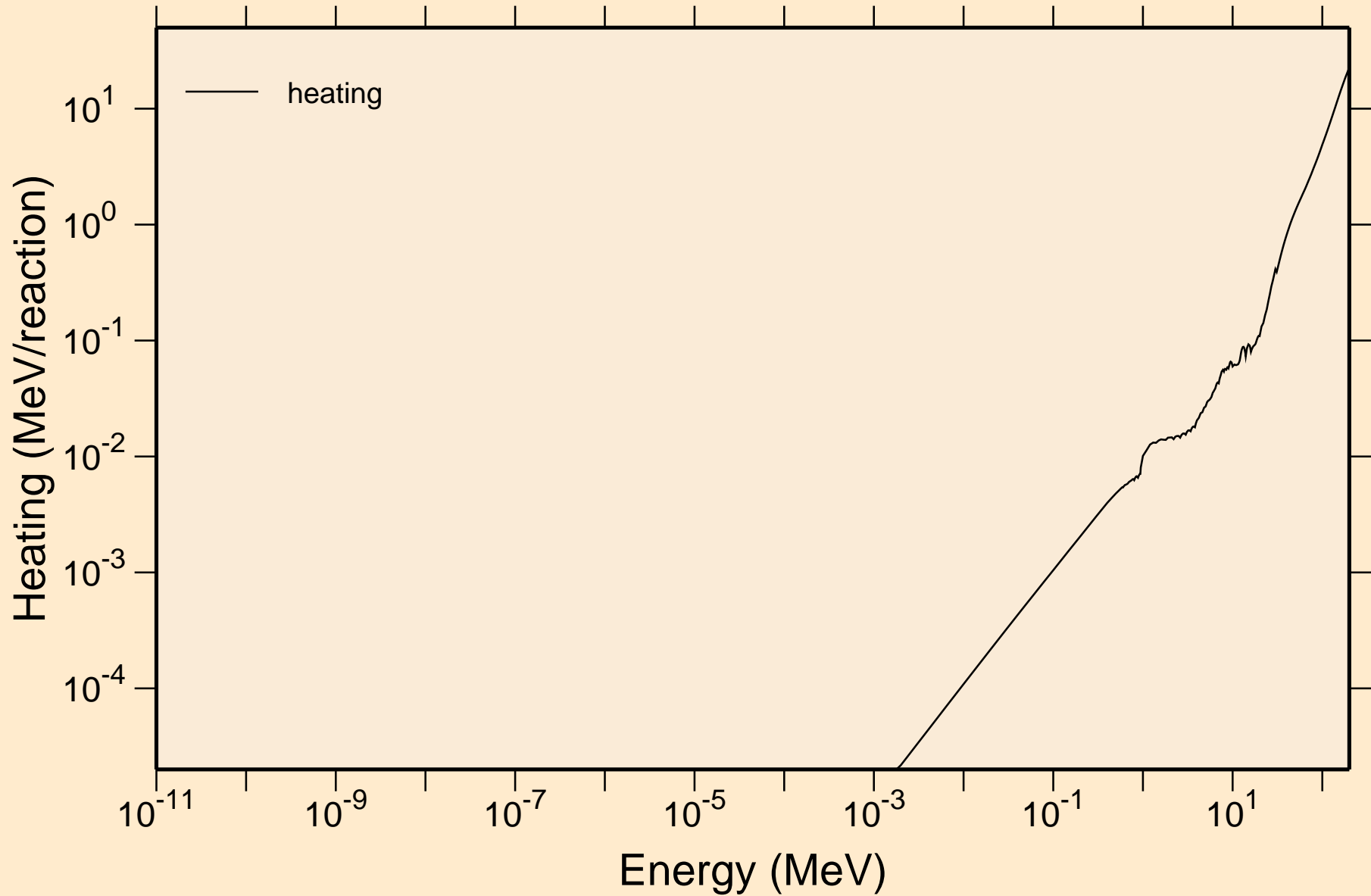
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



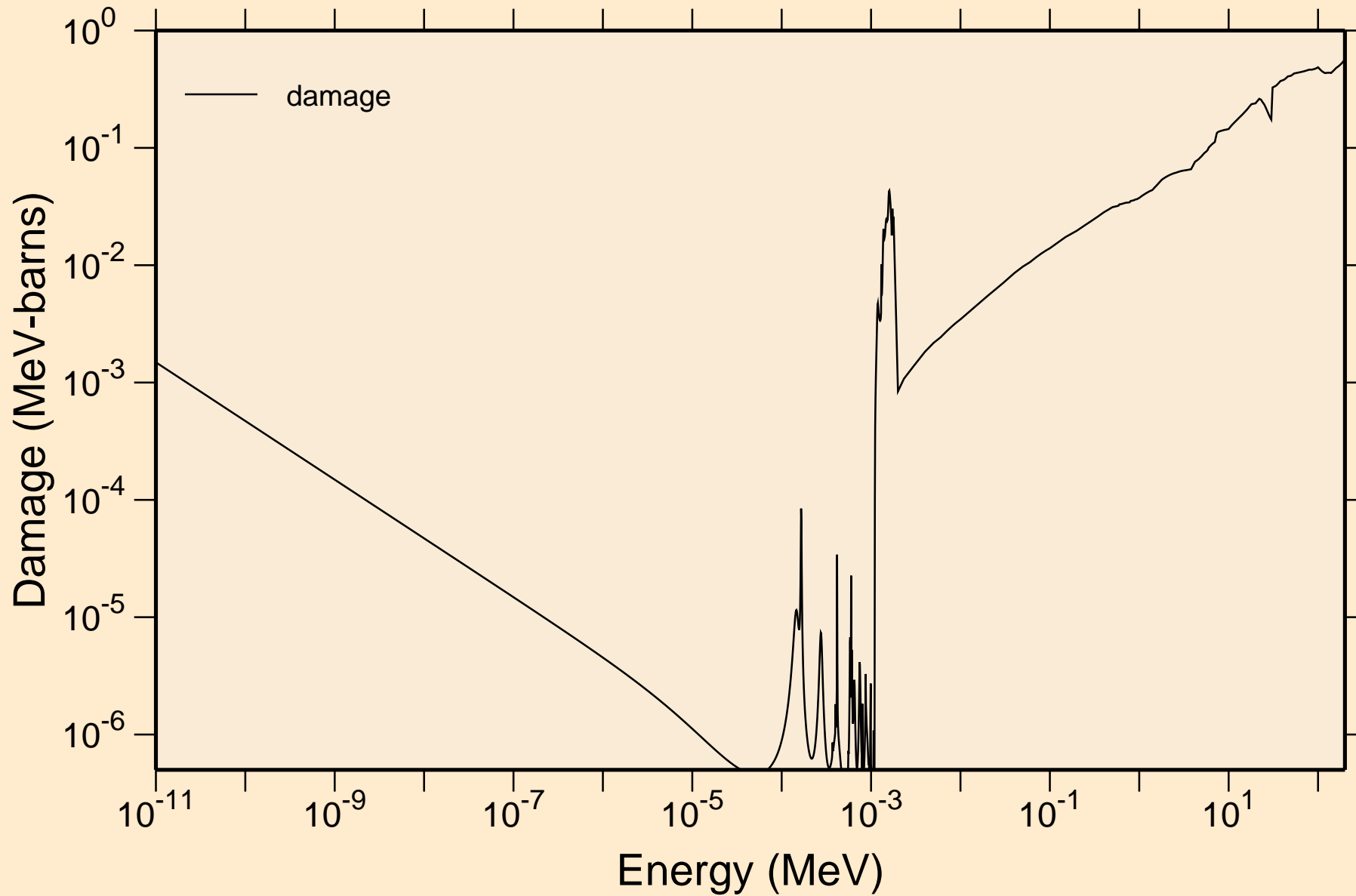
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



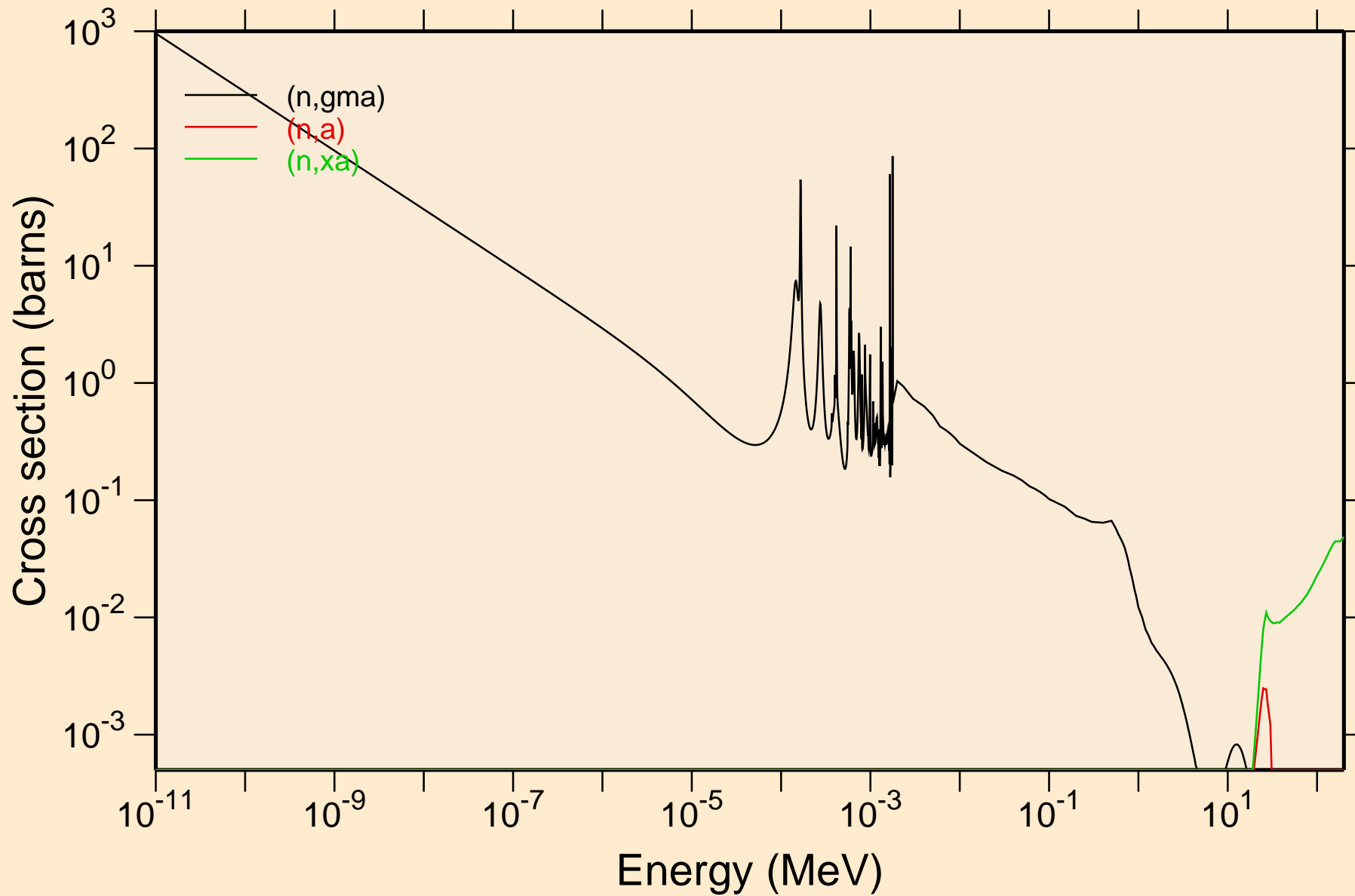


# TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

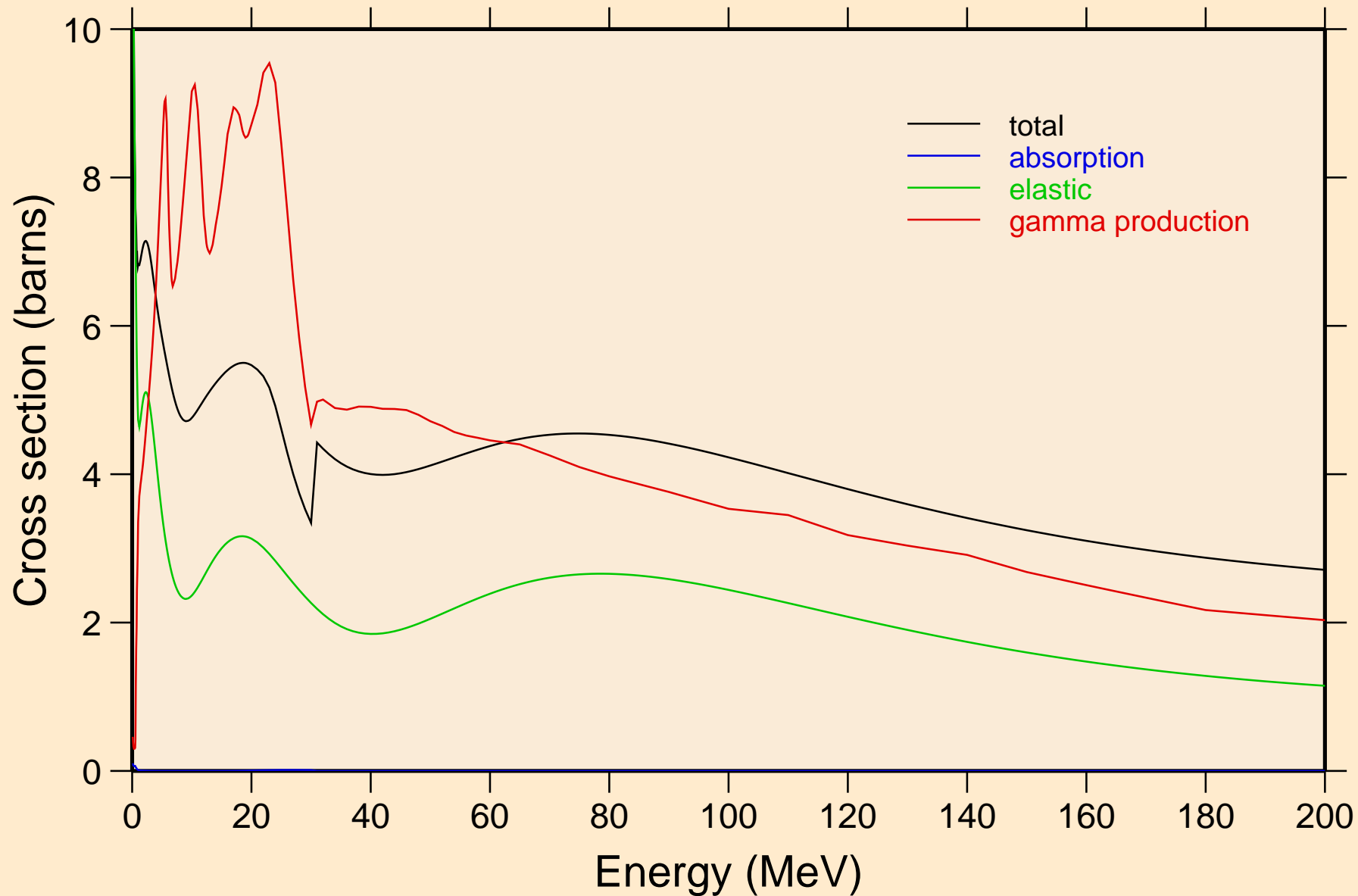
## Damage



TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

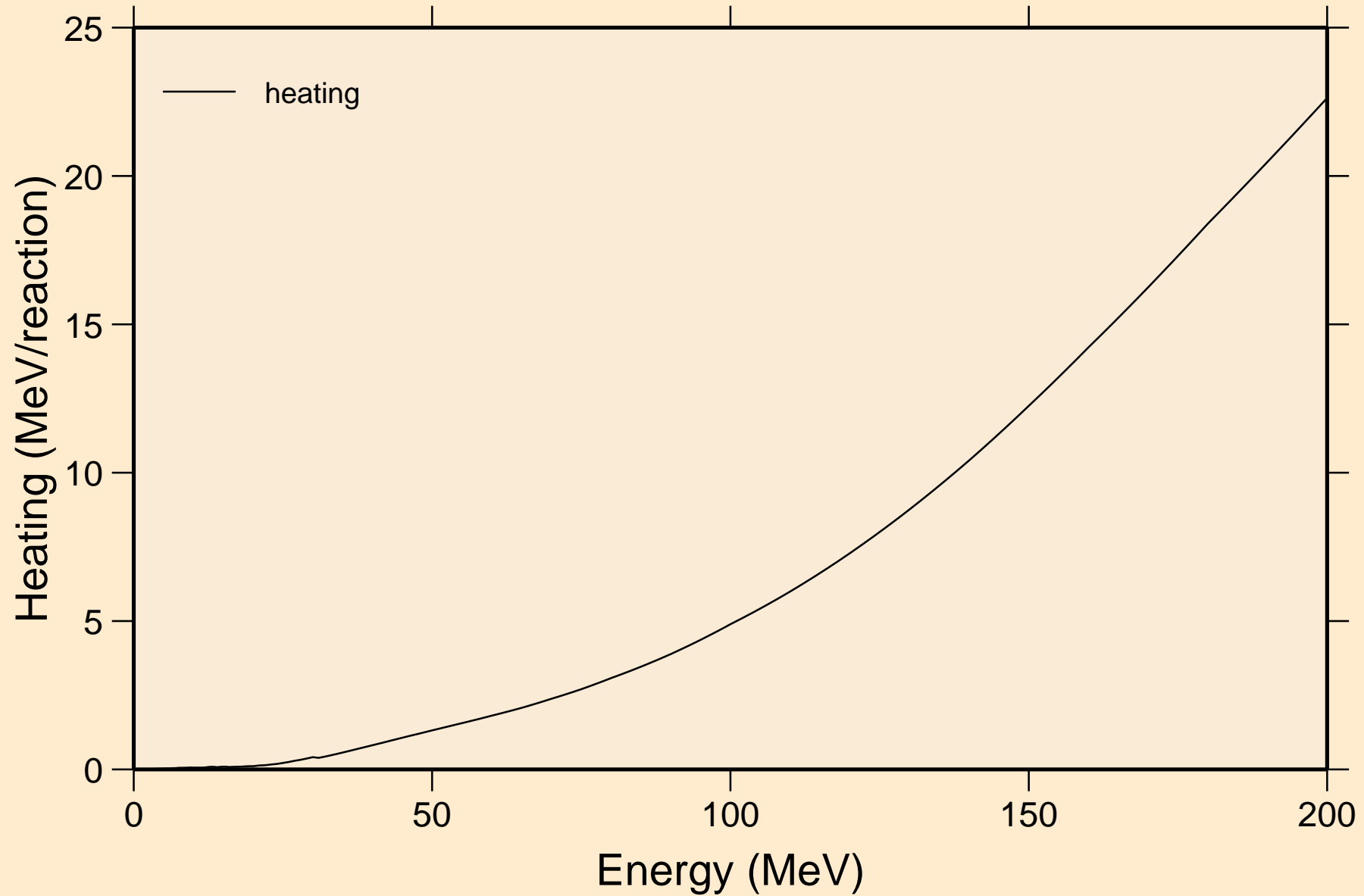


TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections

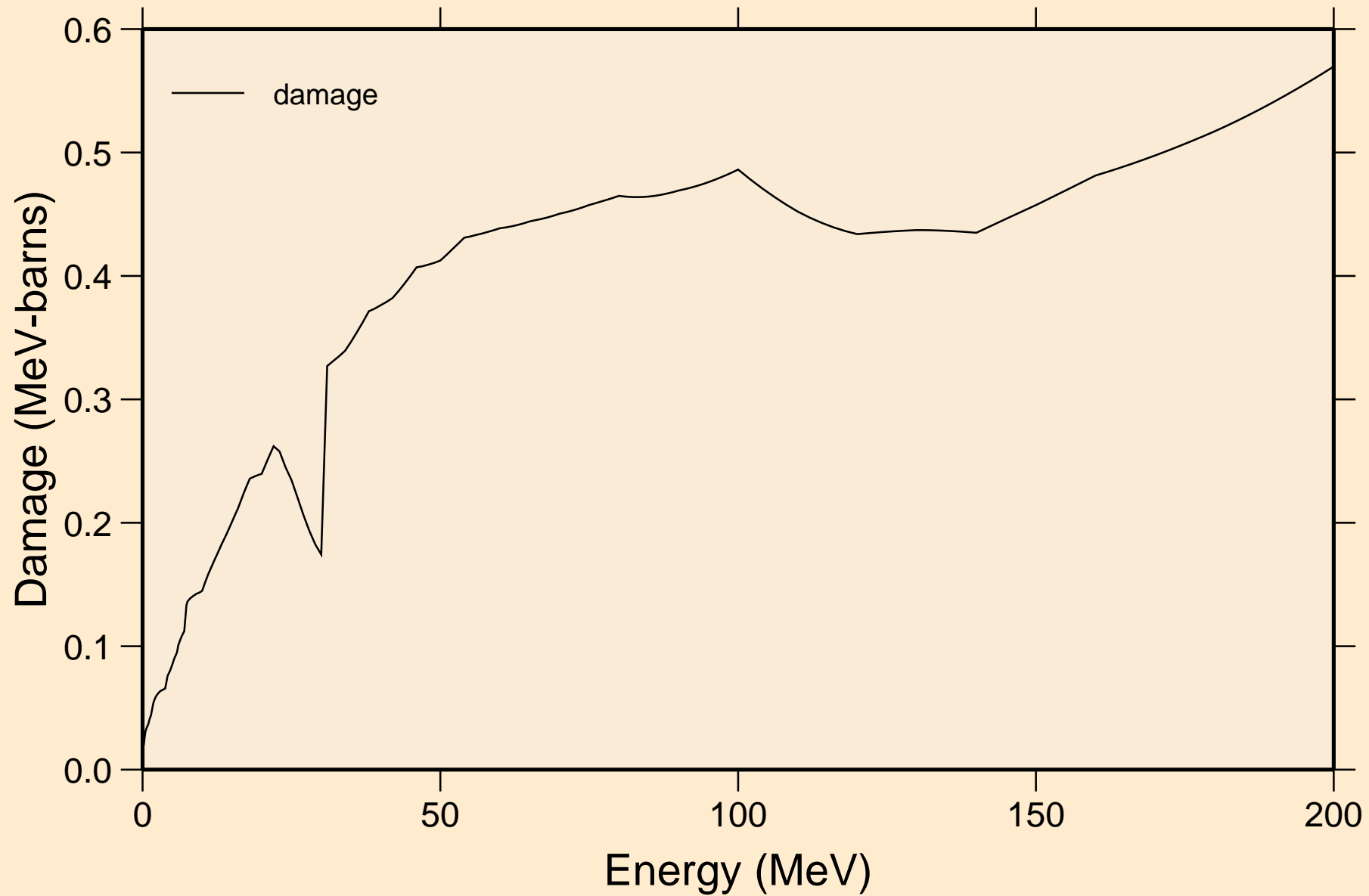


# TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

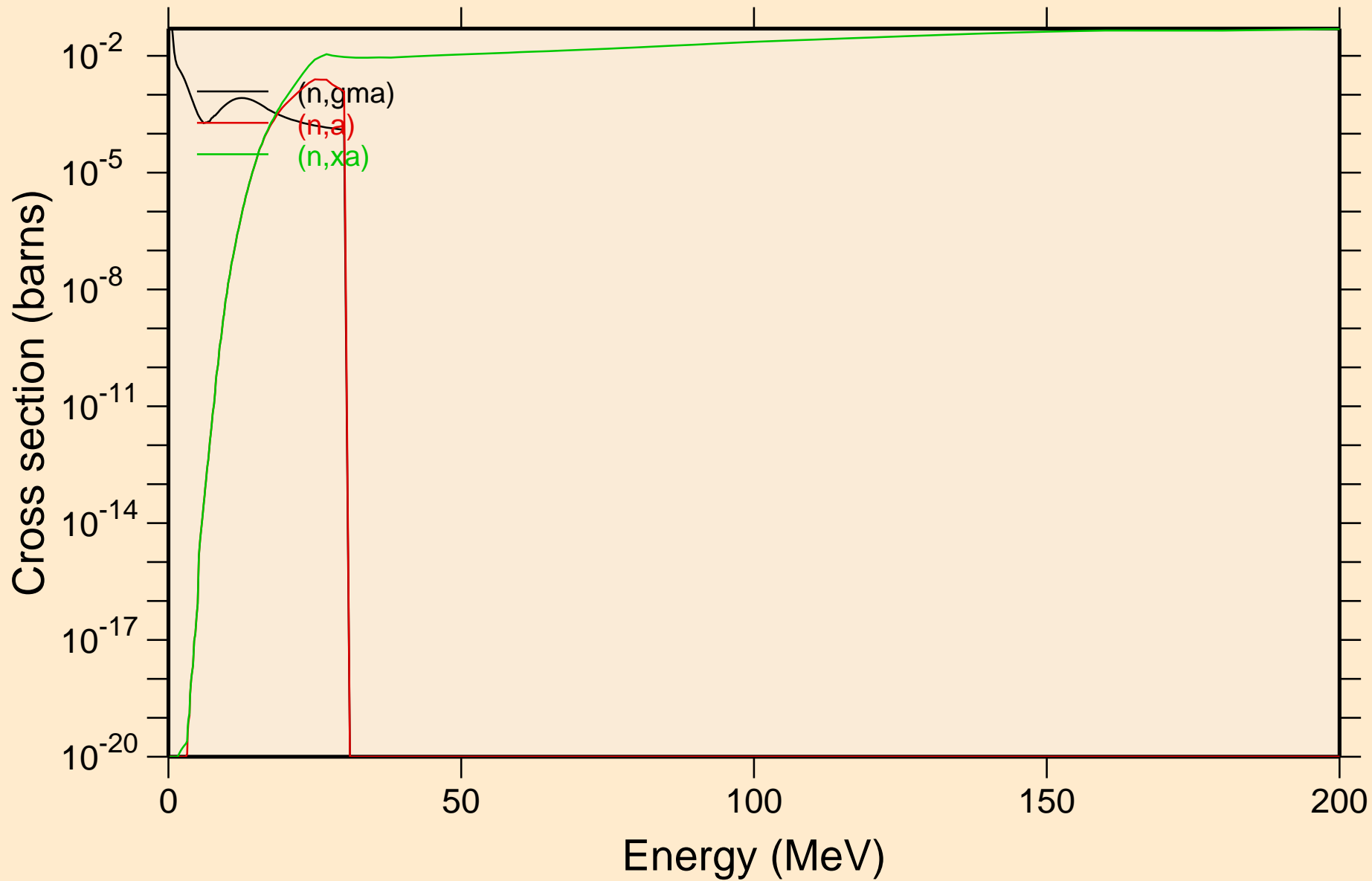
## Heating



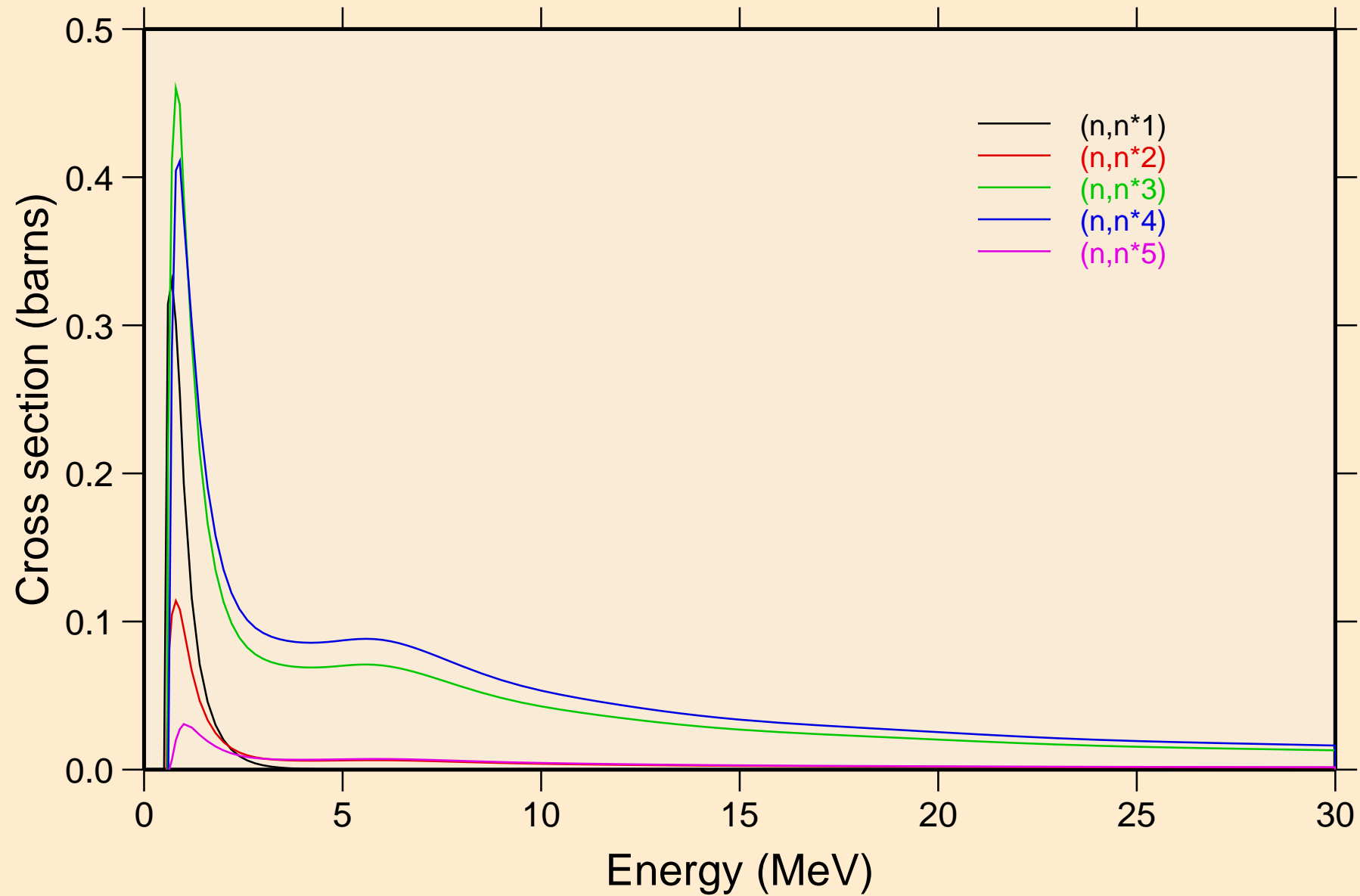
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



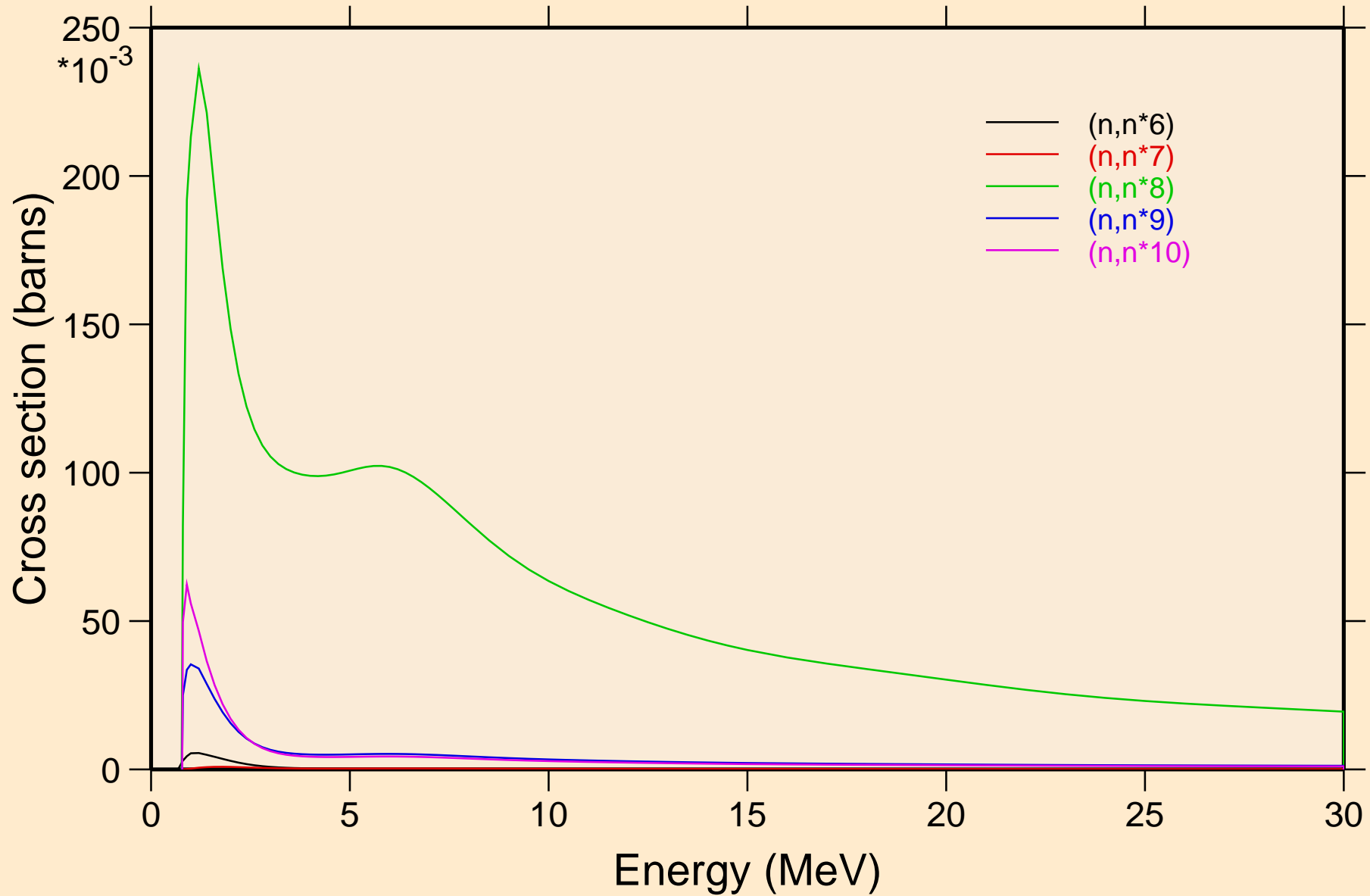
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

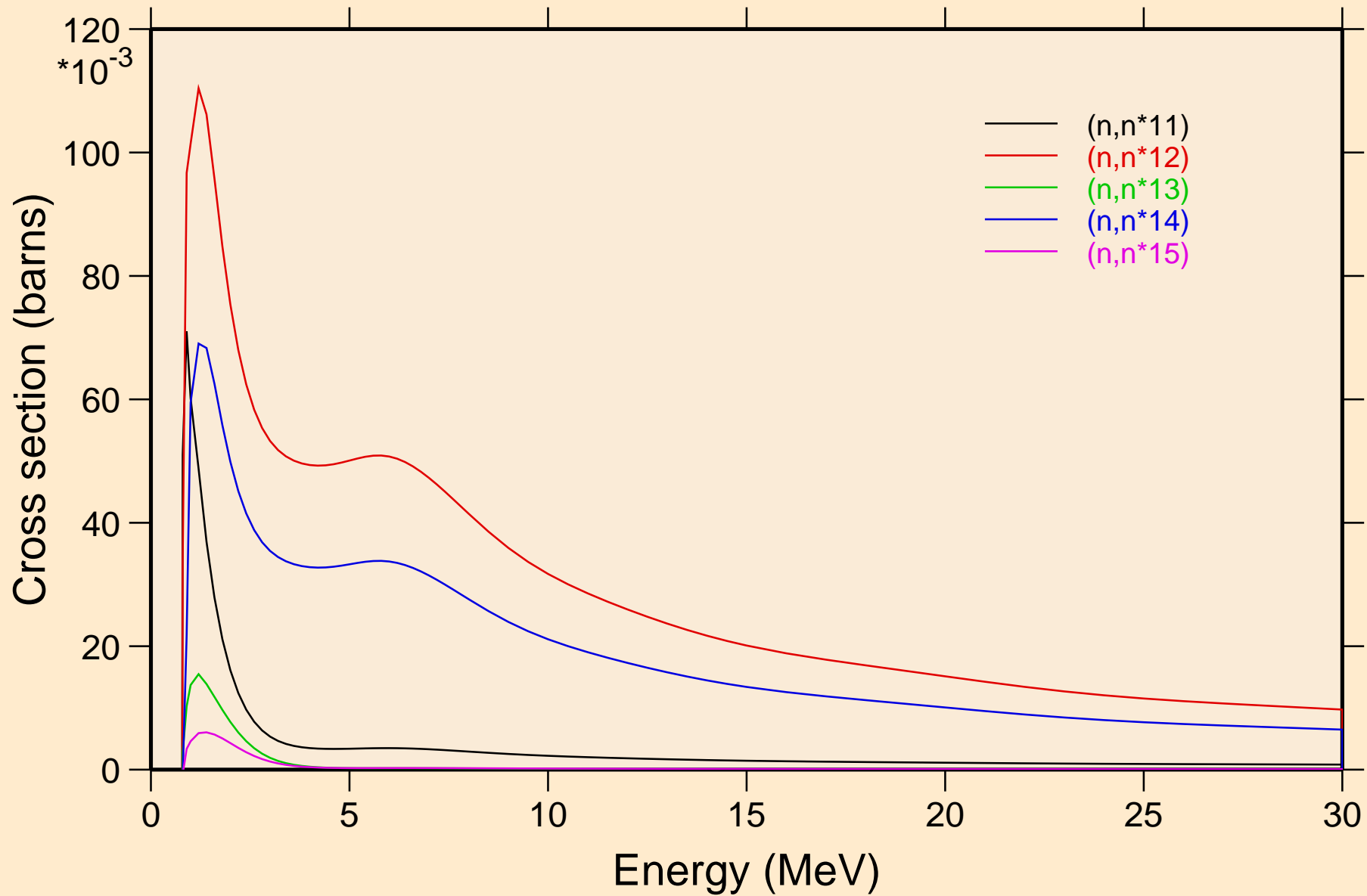


TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

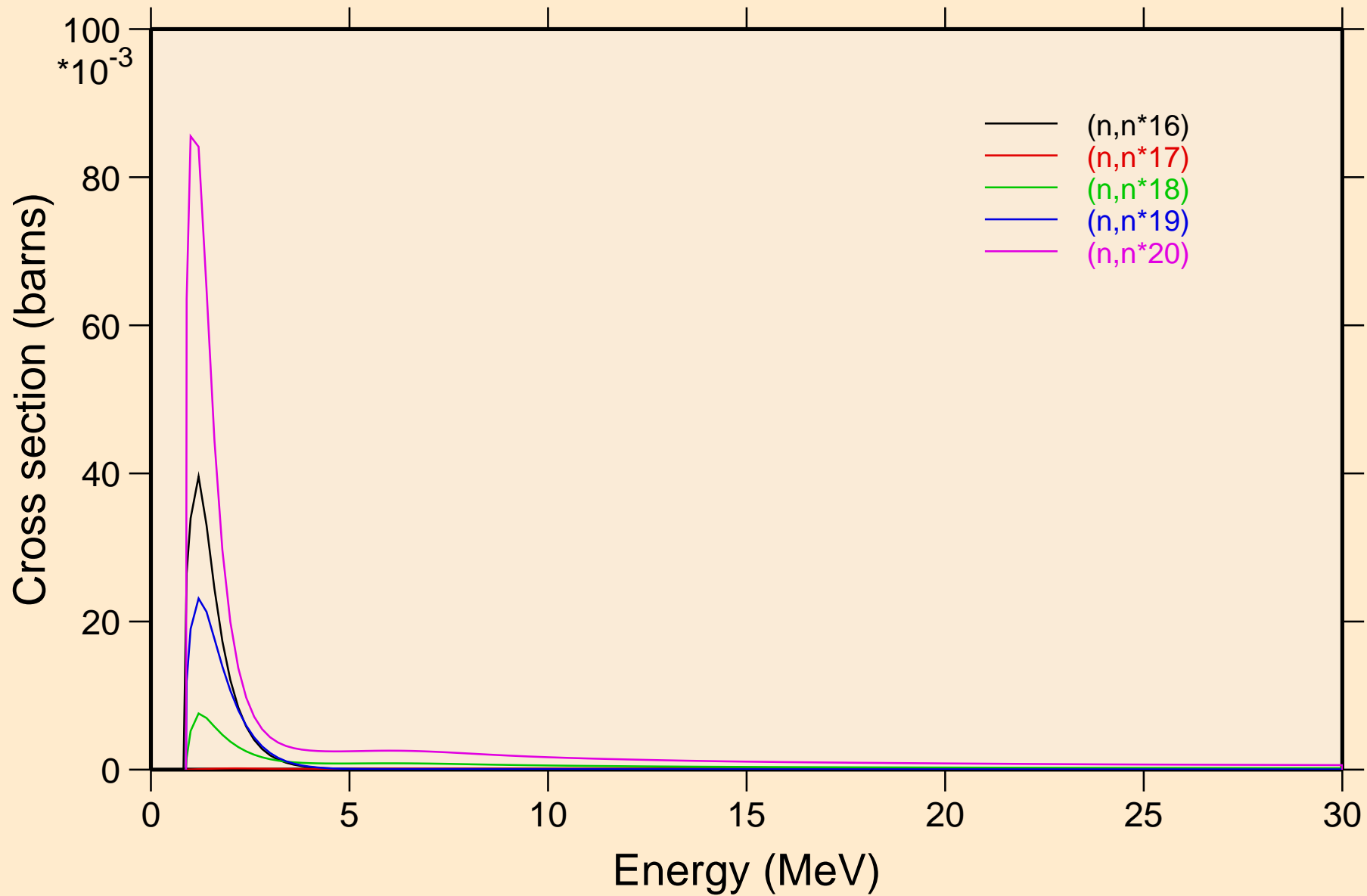




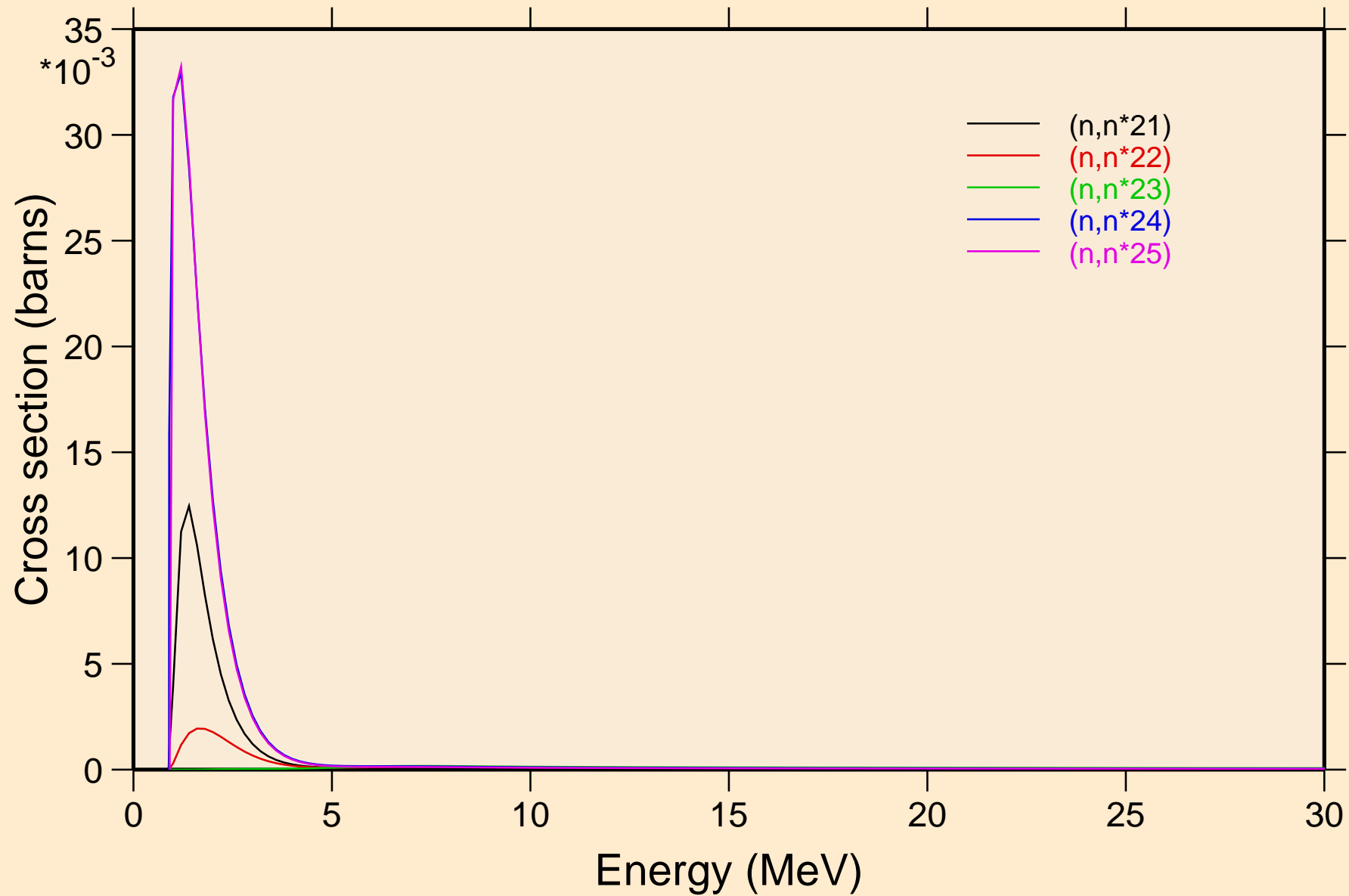
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



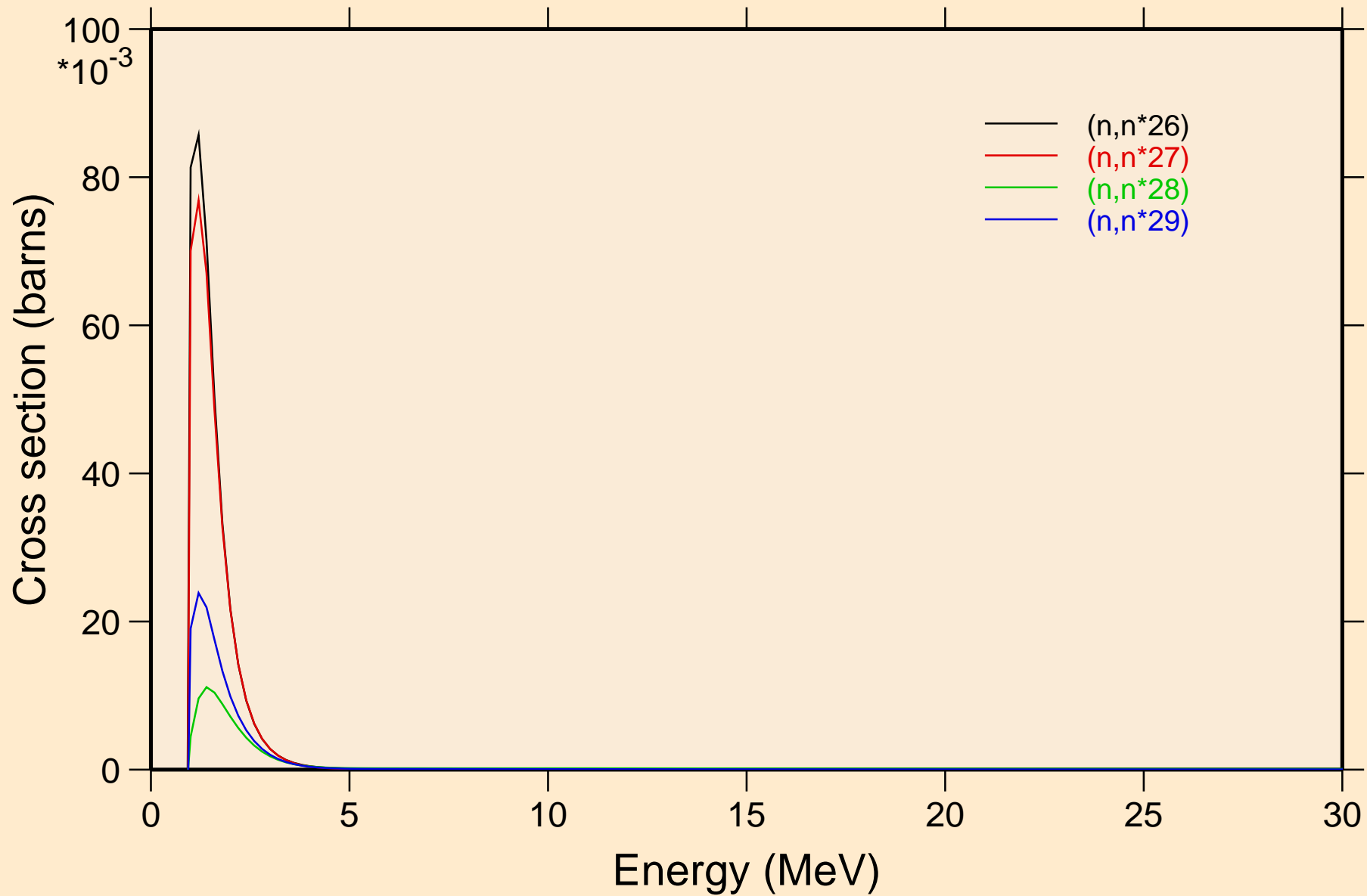
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



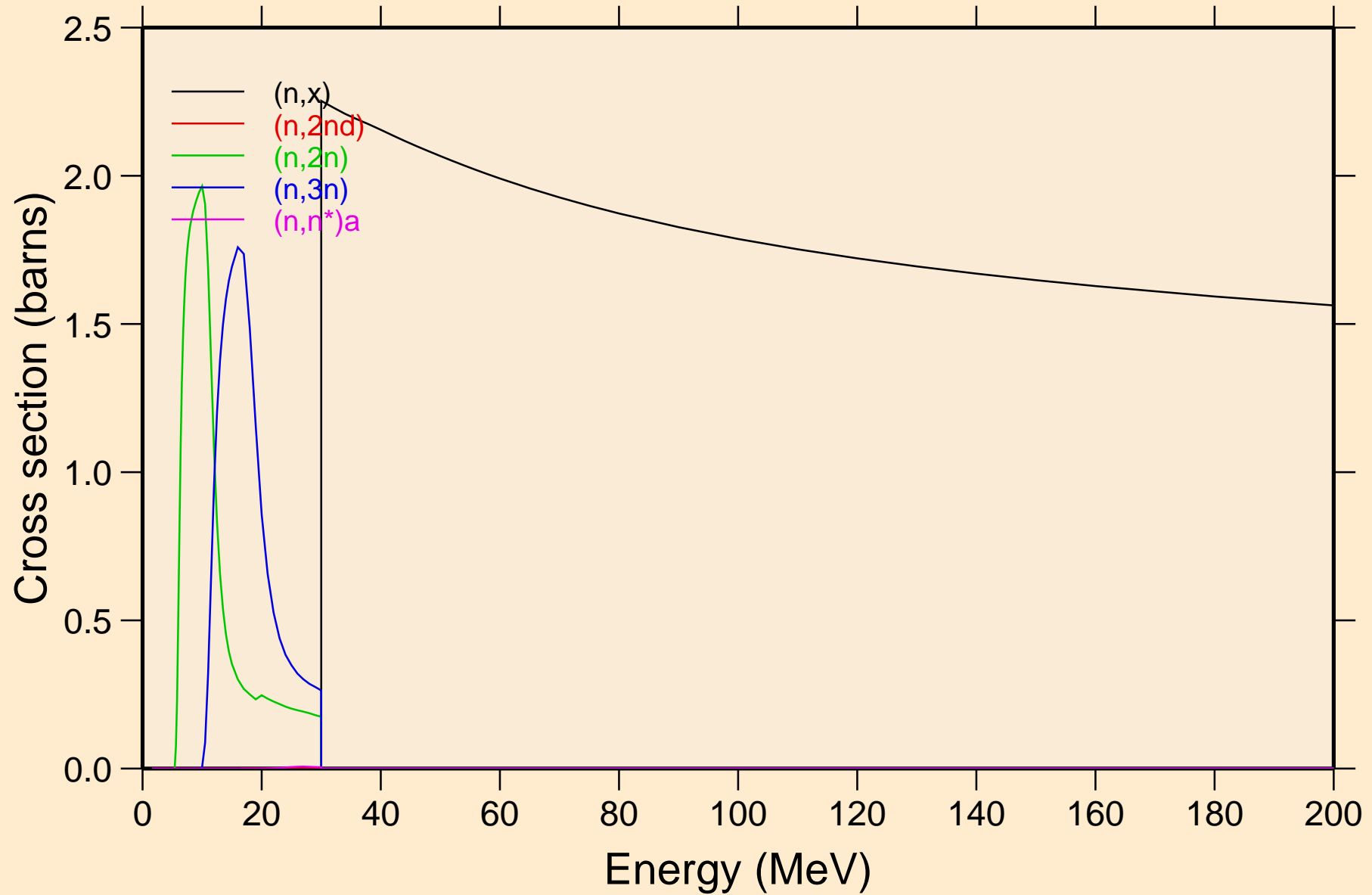
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



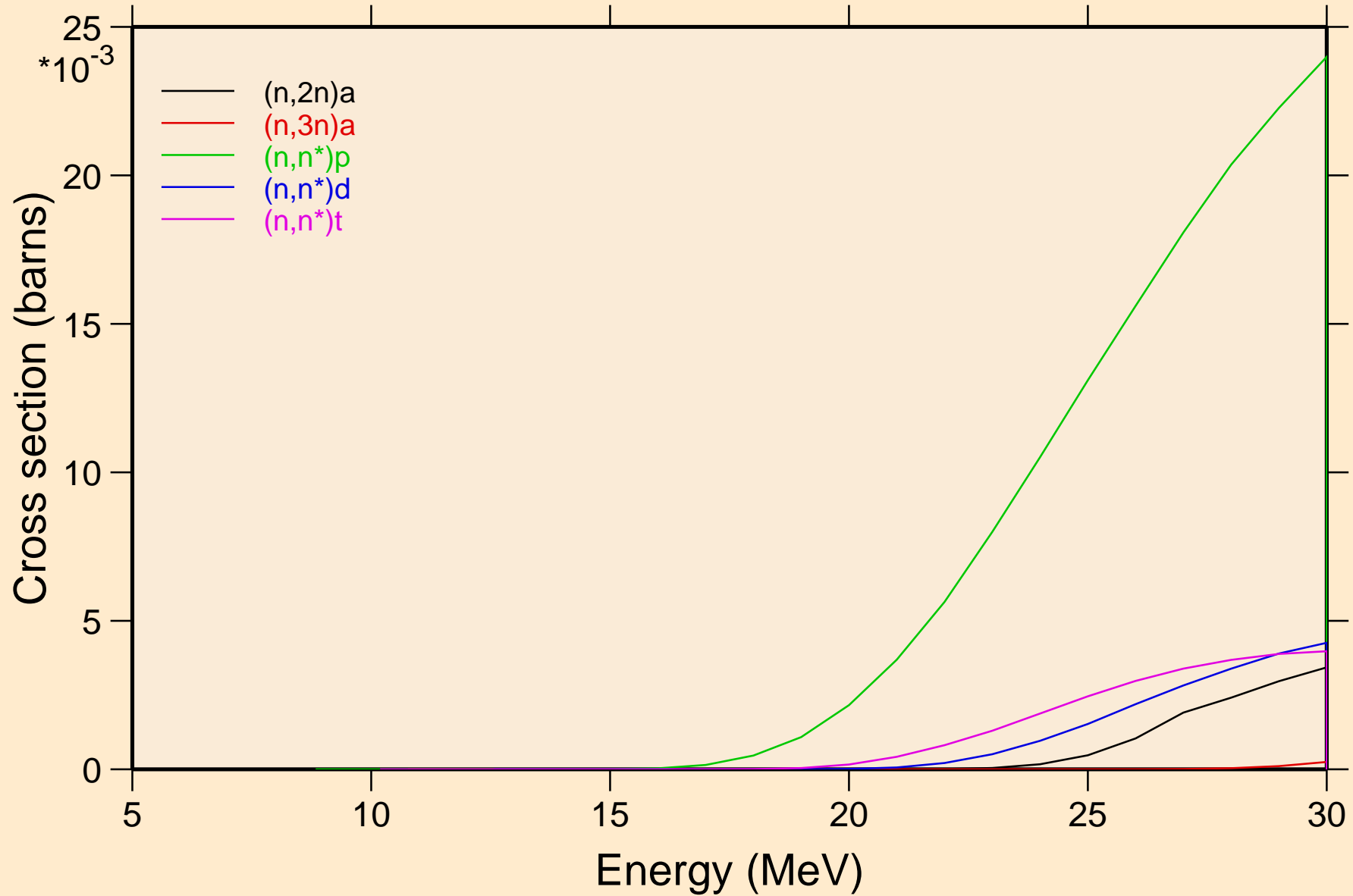
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



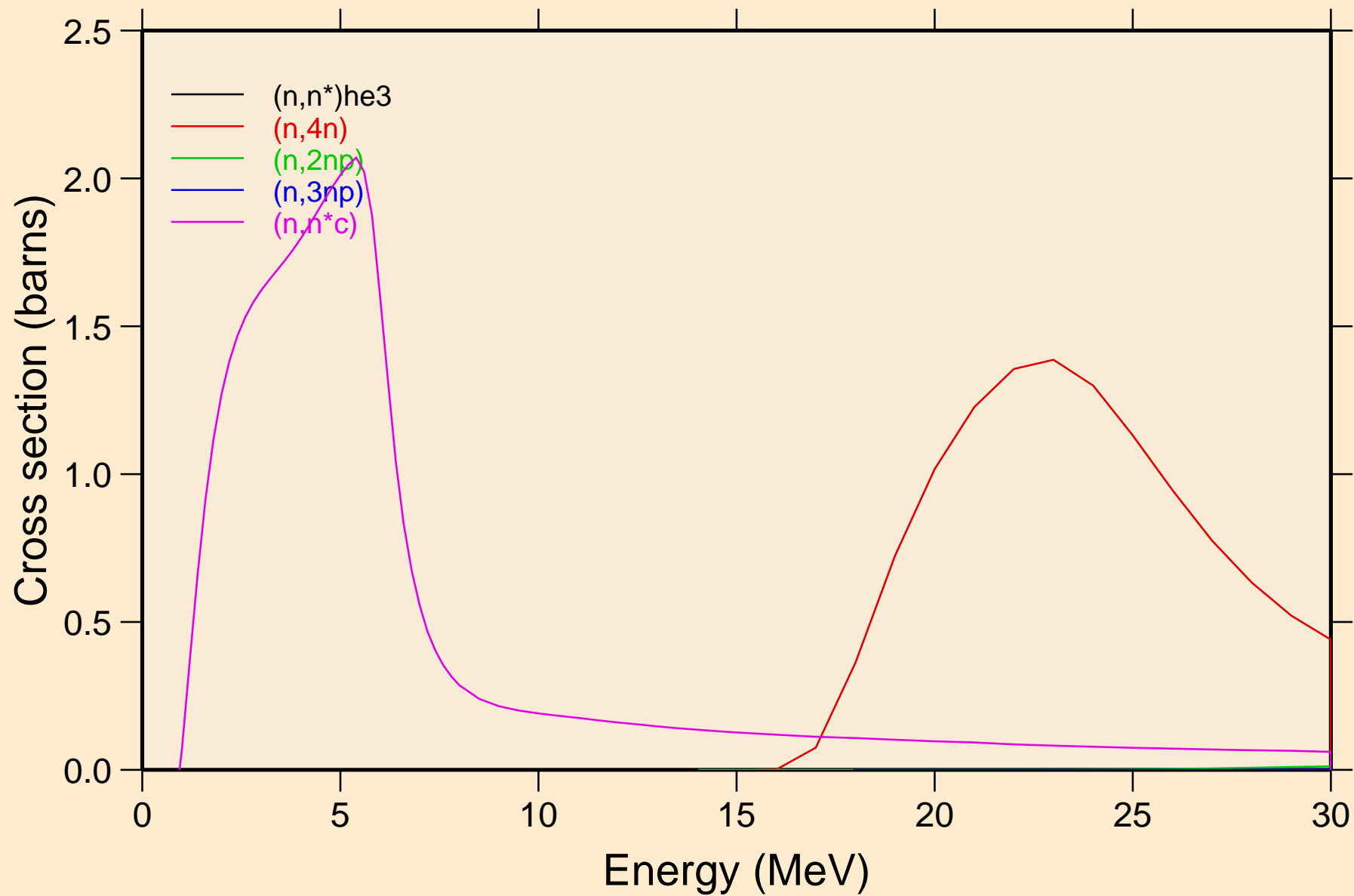
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



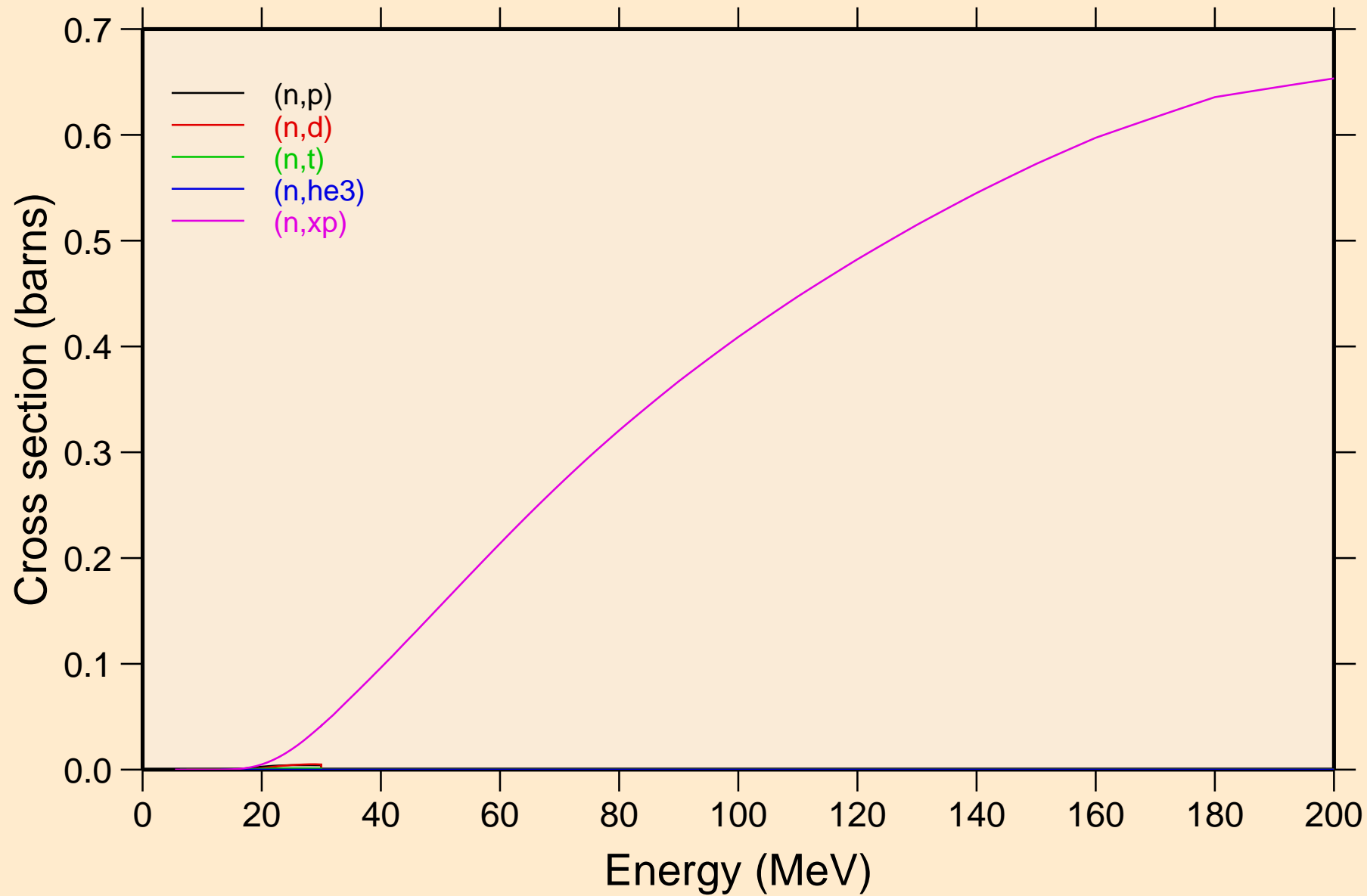
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

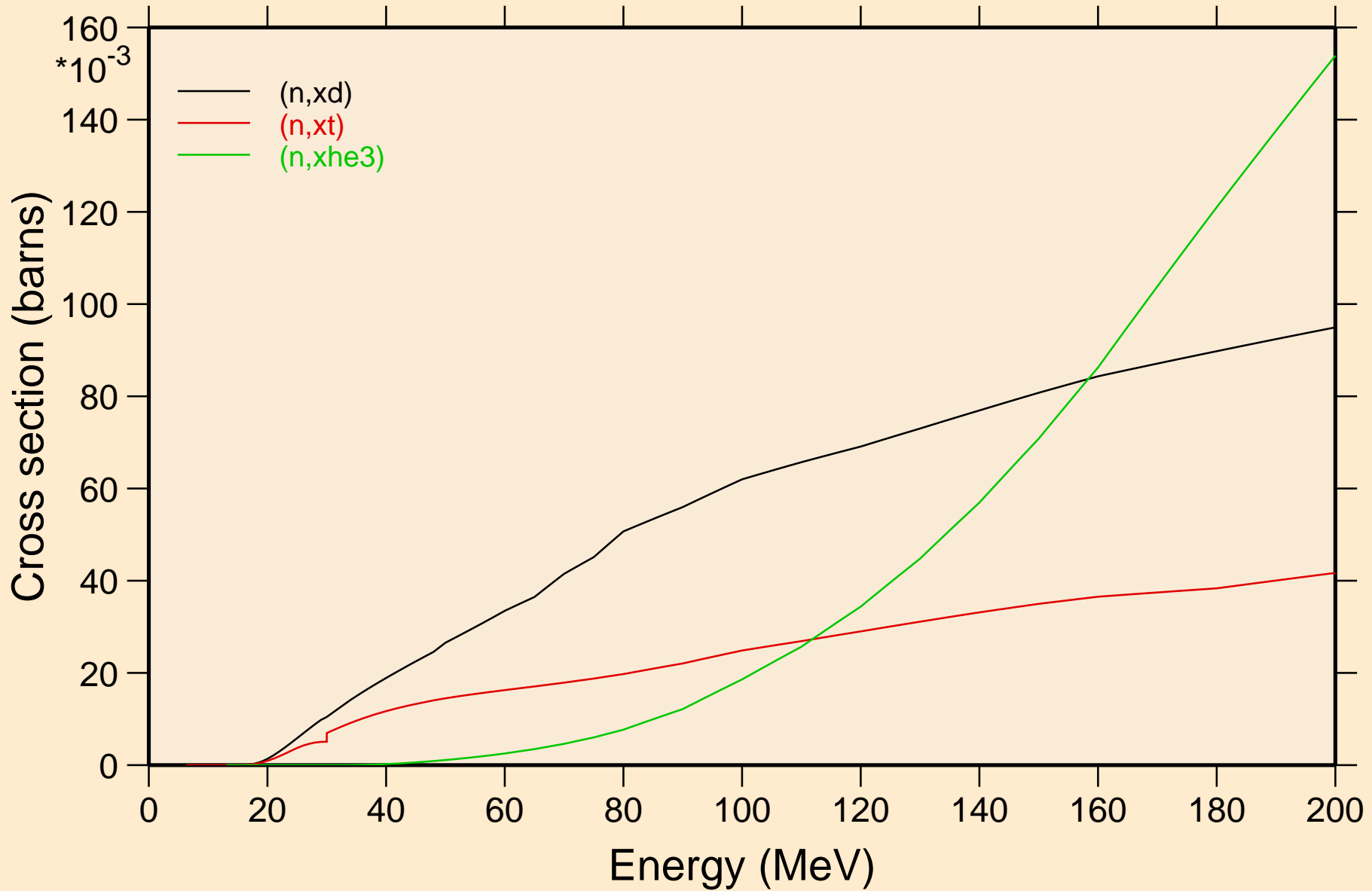


TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

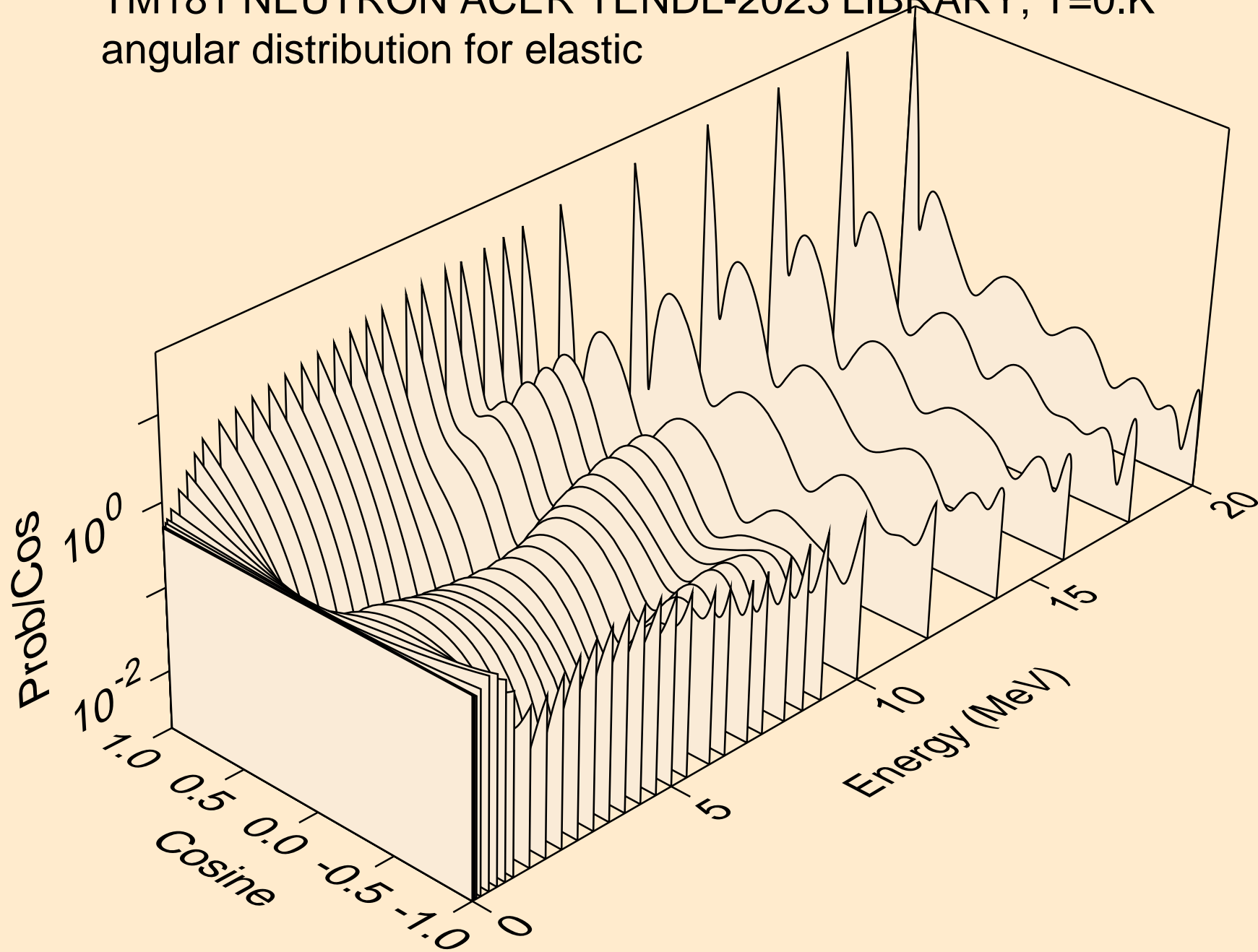




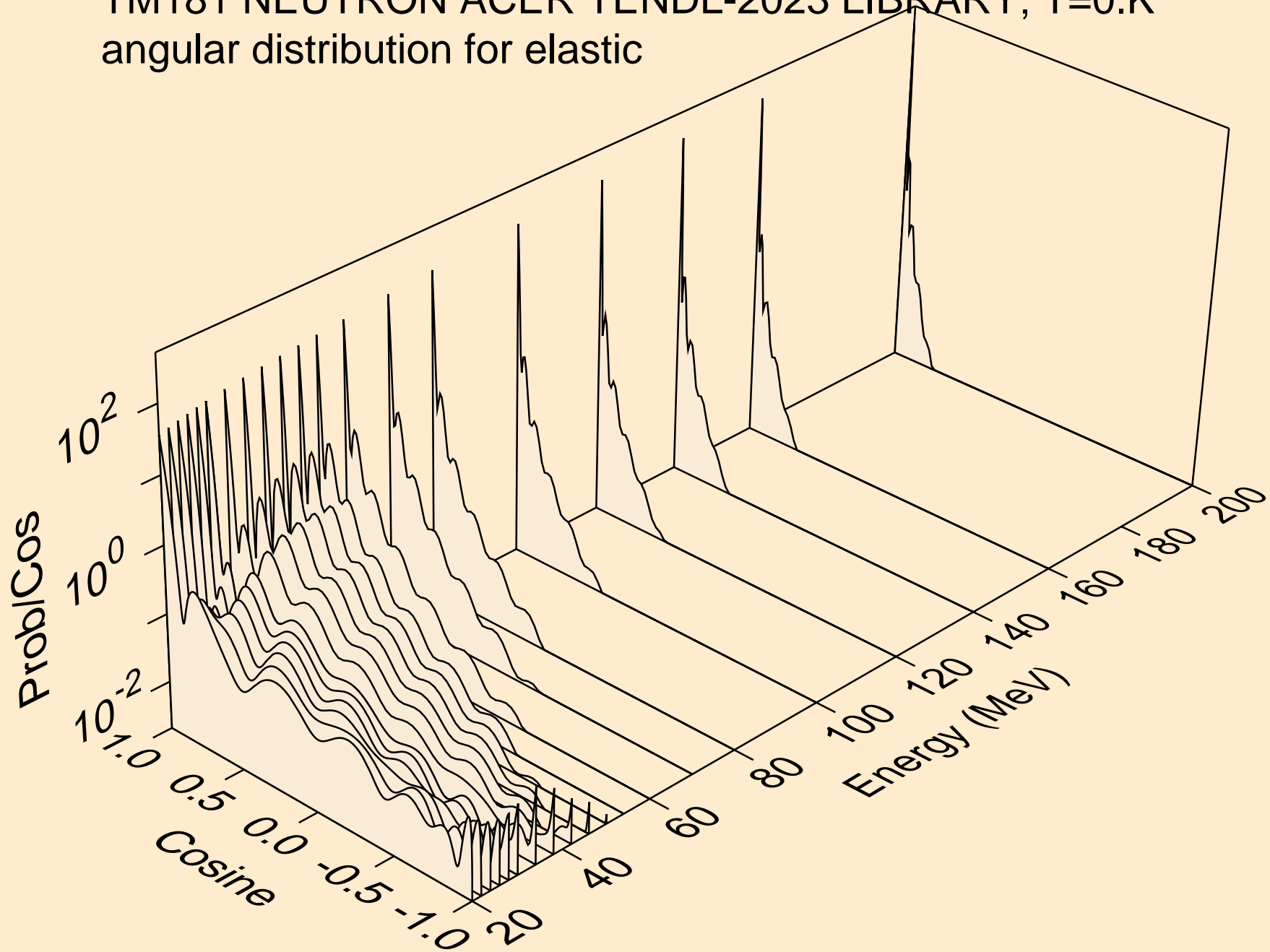
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



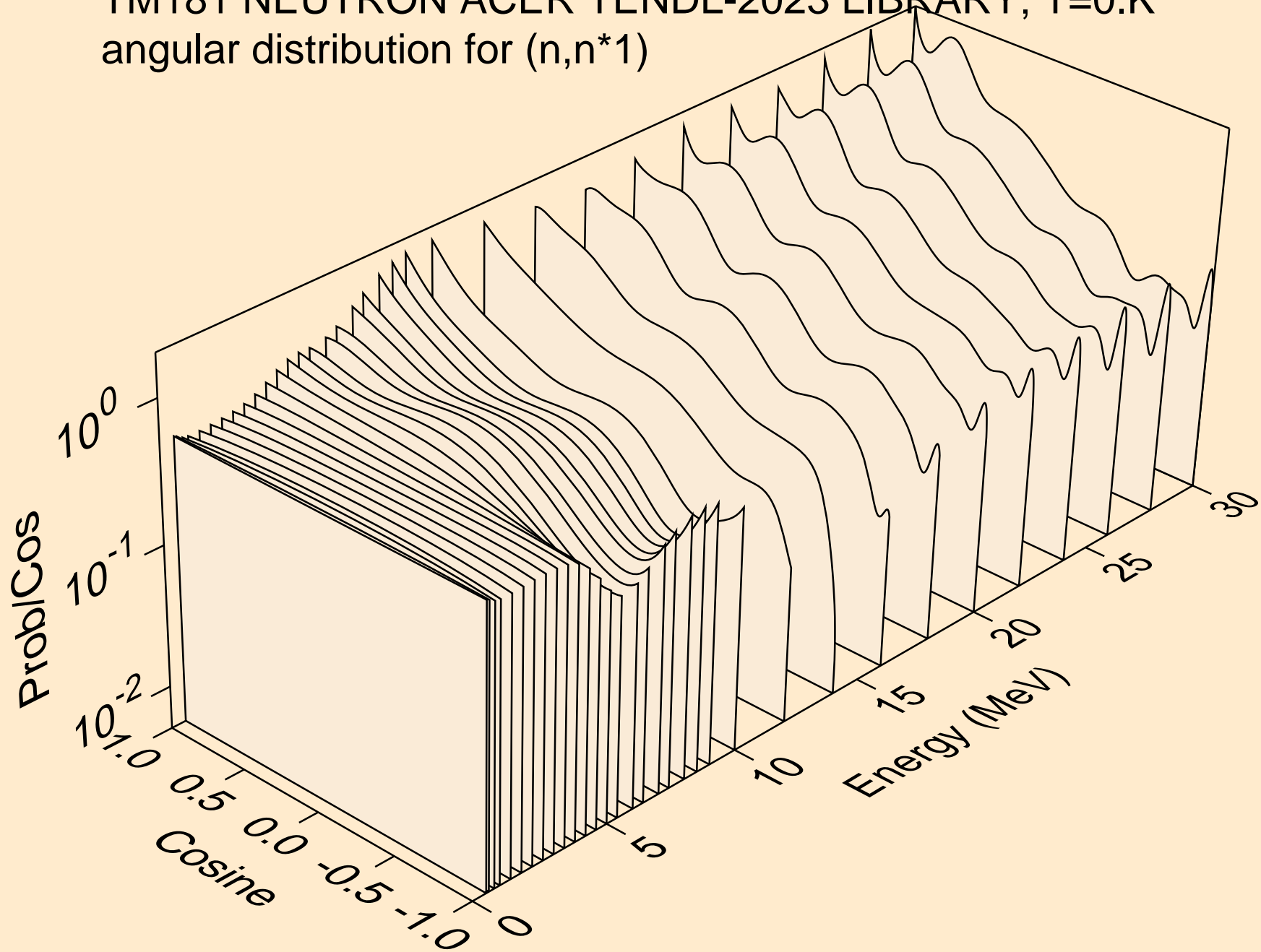
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



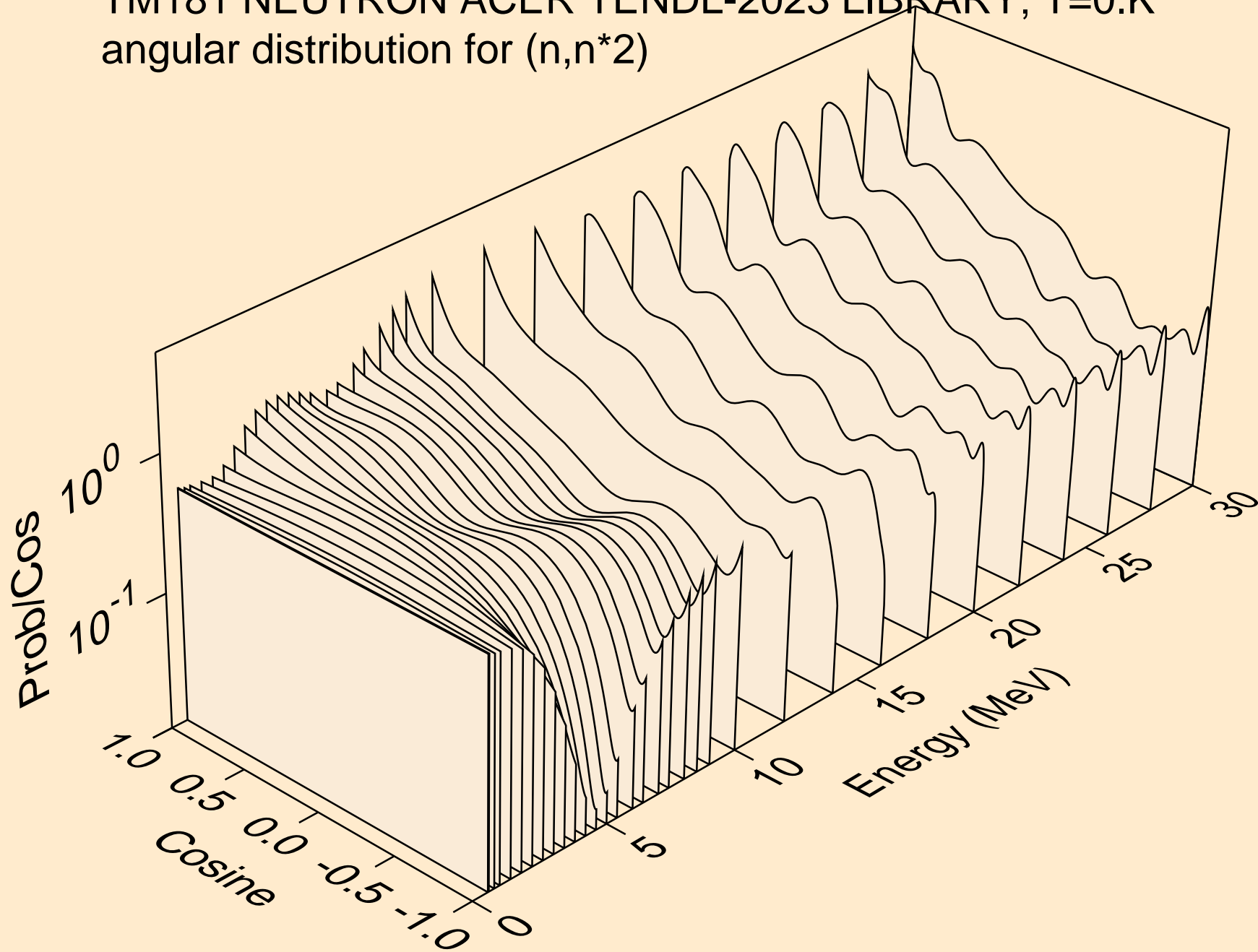
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



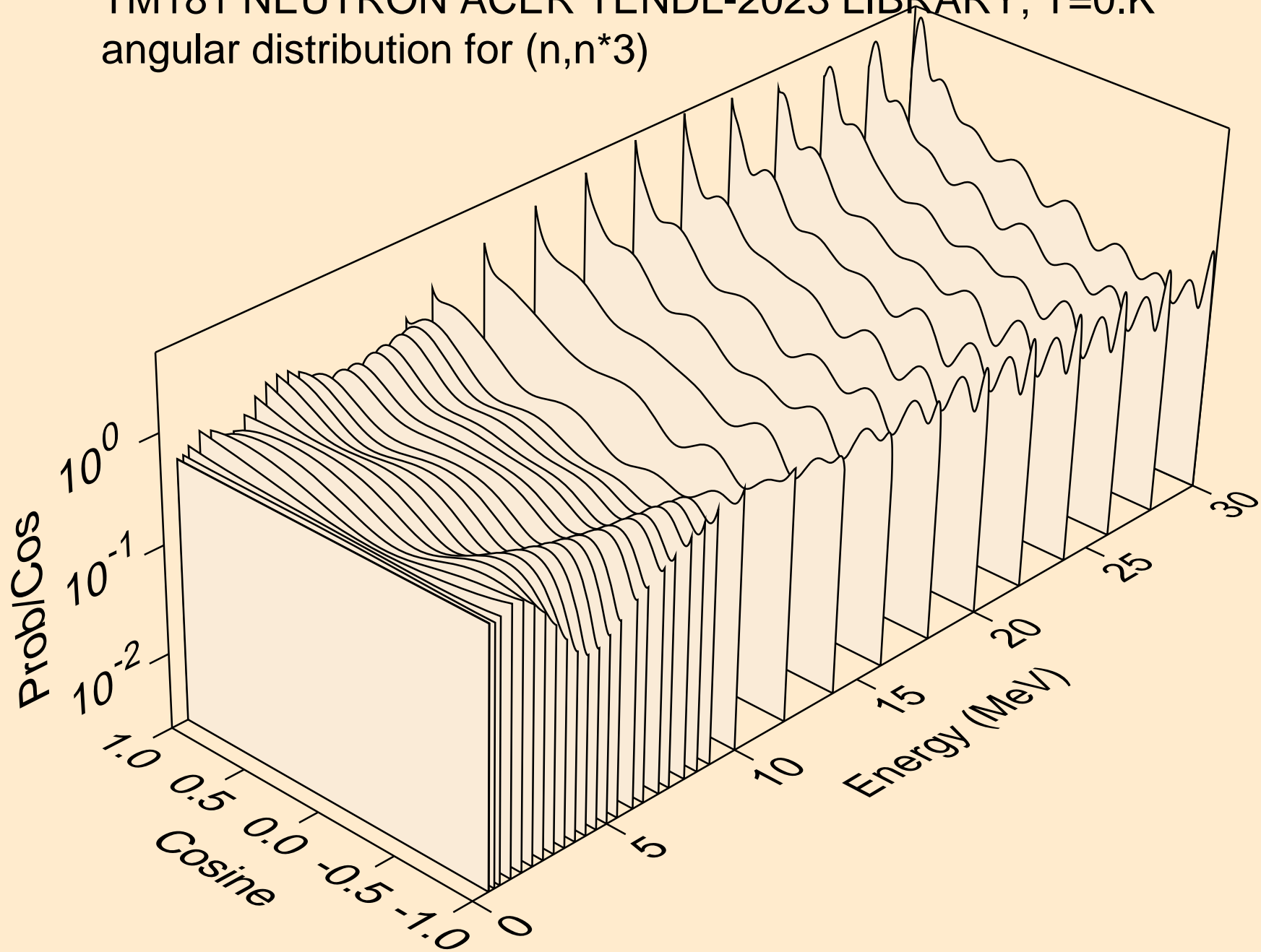
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



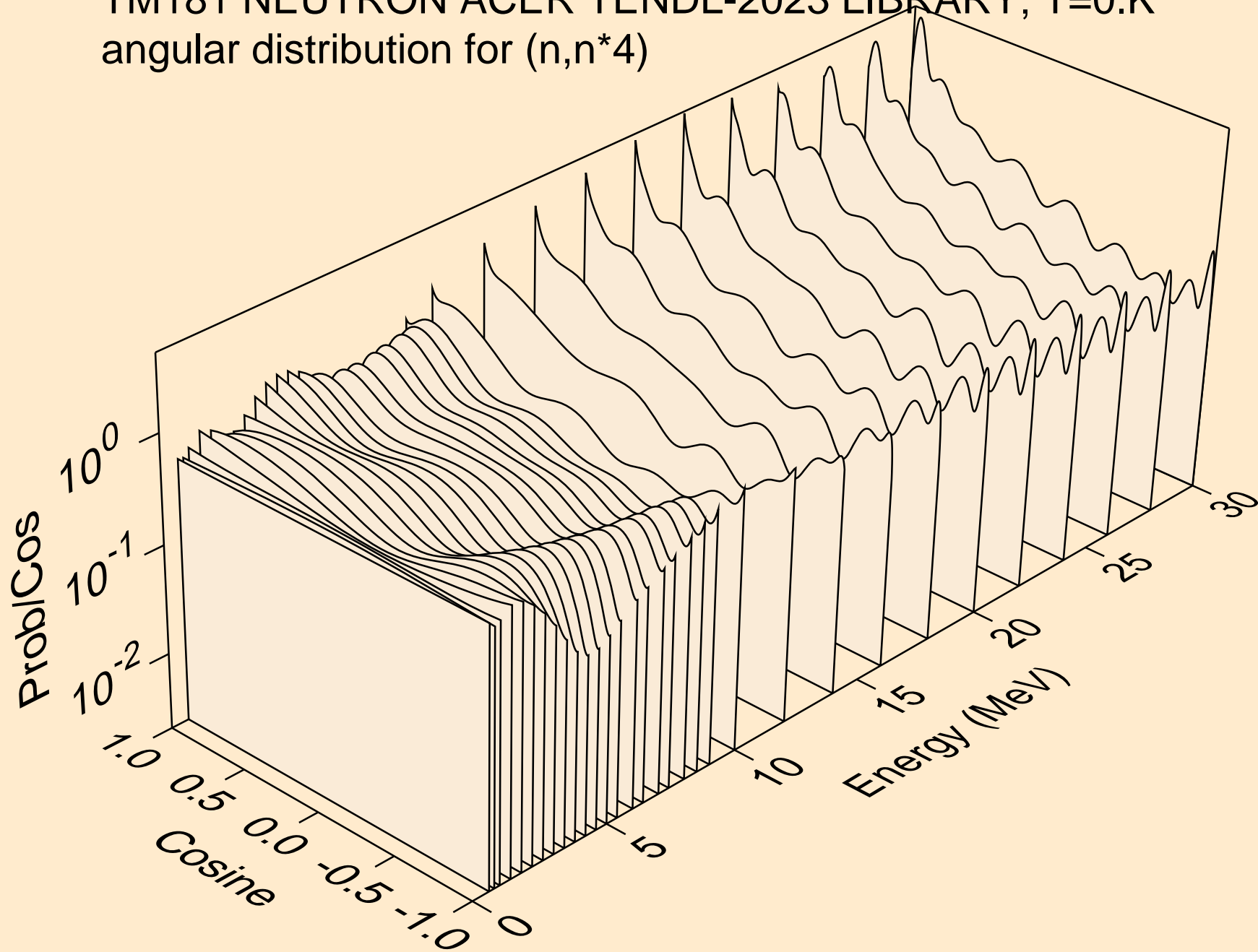
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angular distribution for (n,n\*2)



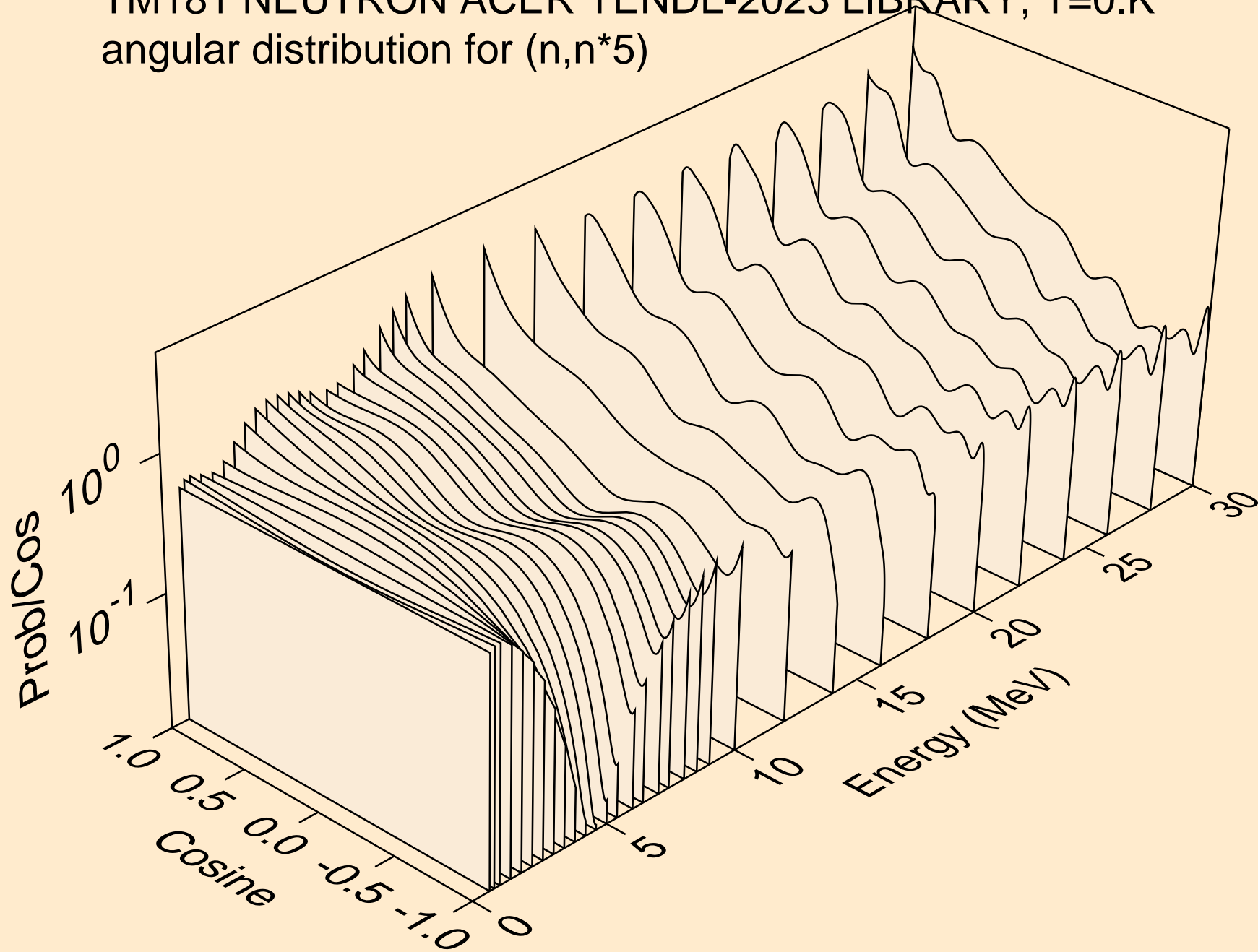
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)

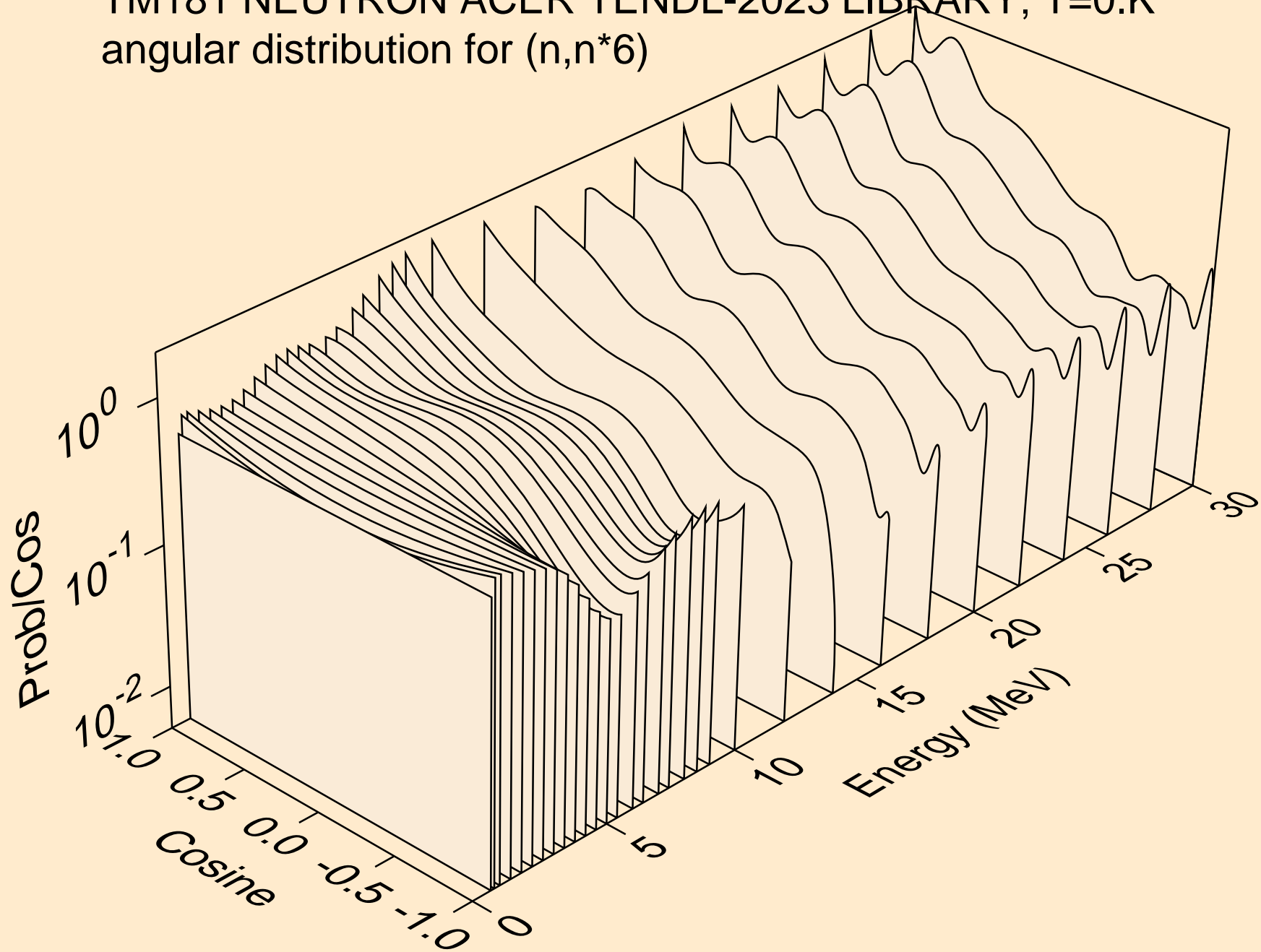


TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)

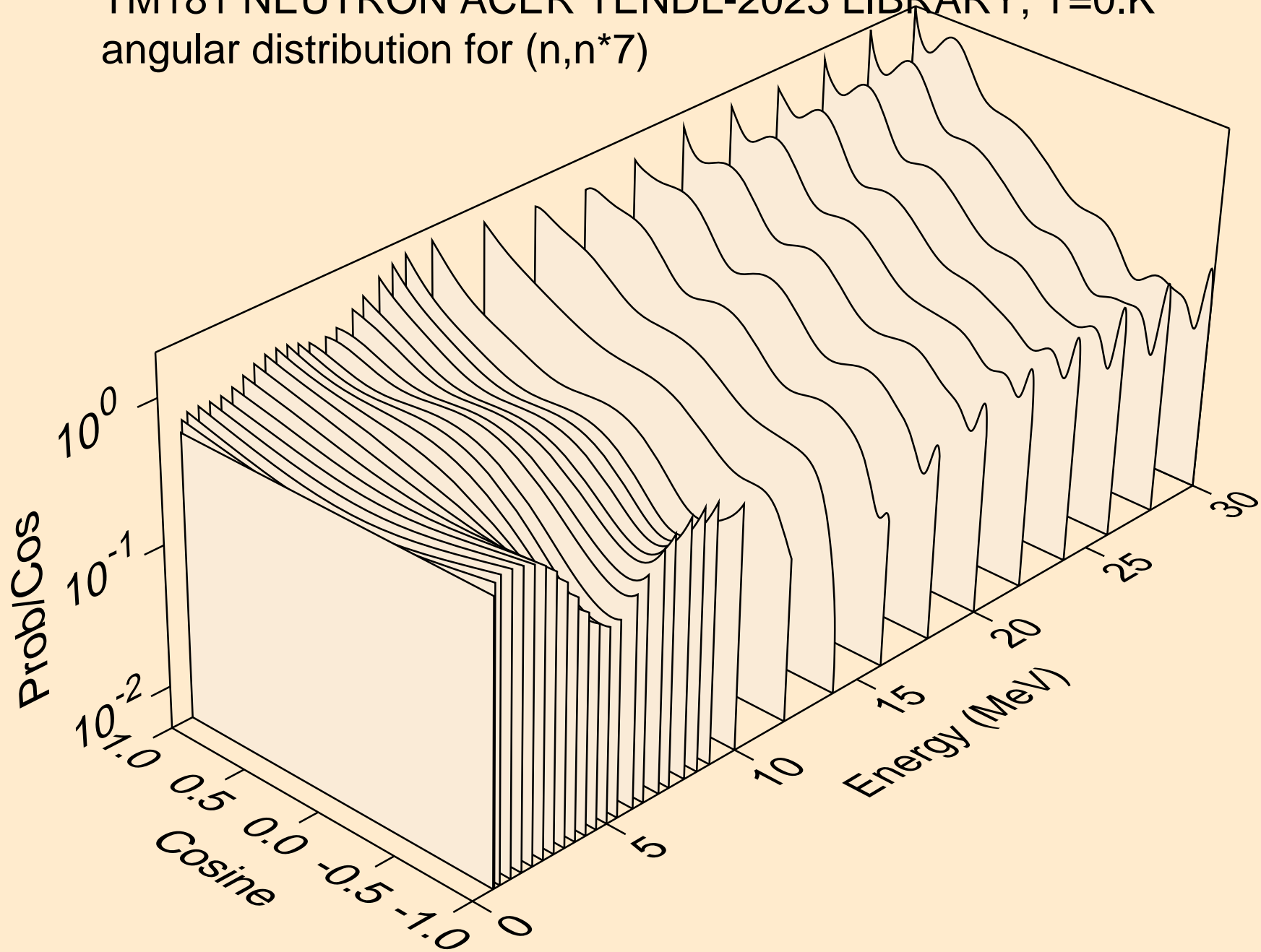




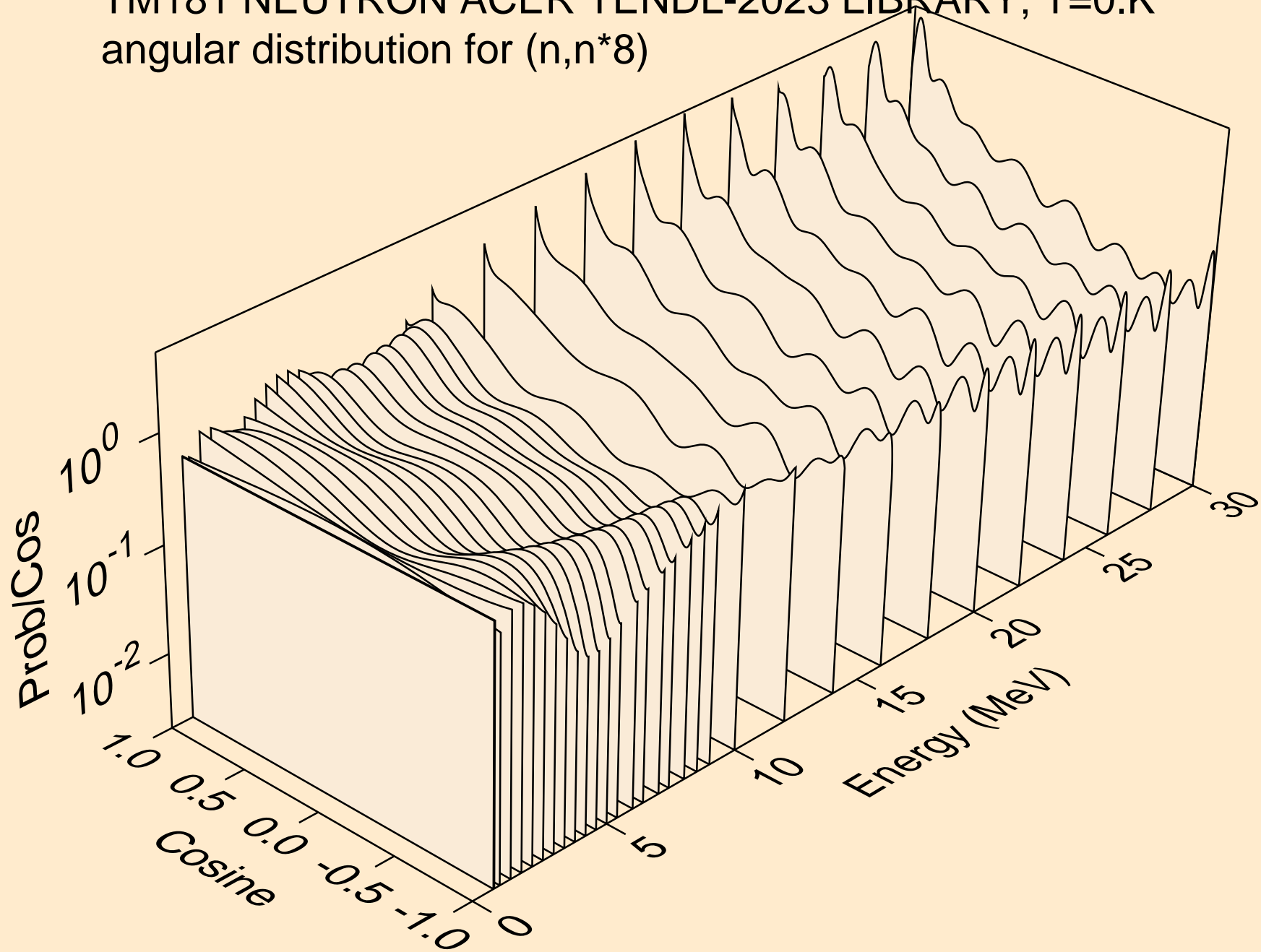
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angular distribution for (n,n\*6)



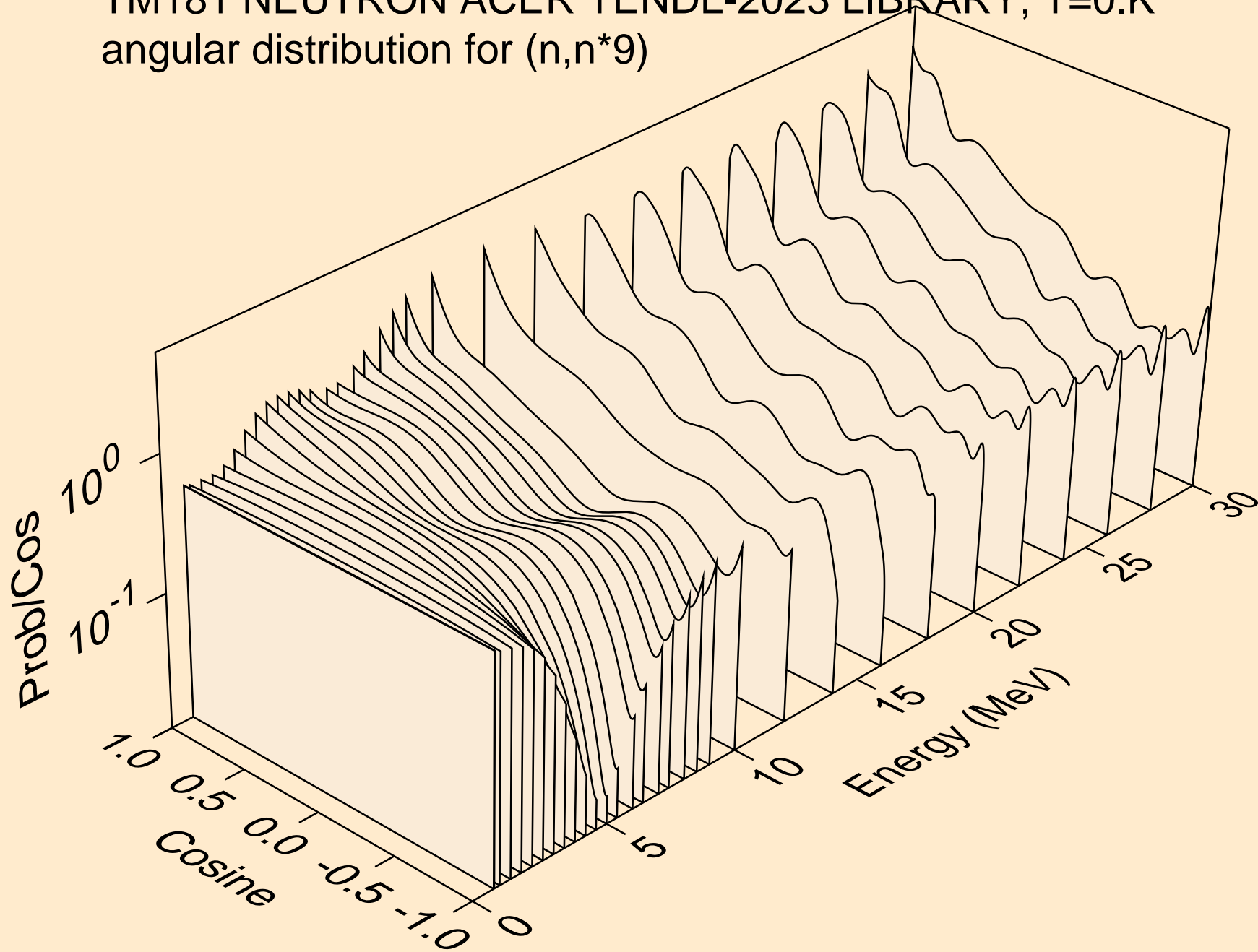
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angular distribution for (n,n\*7)



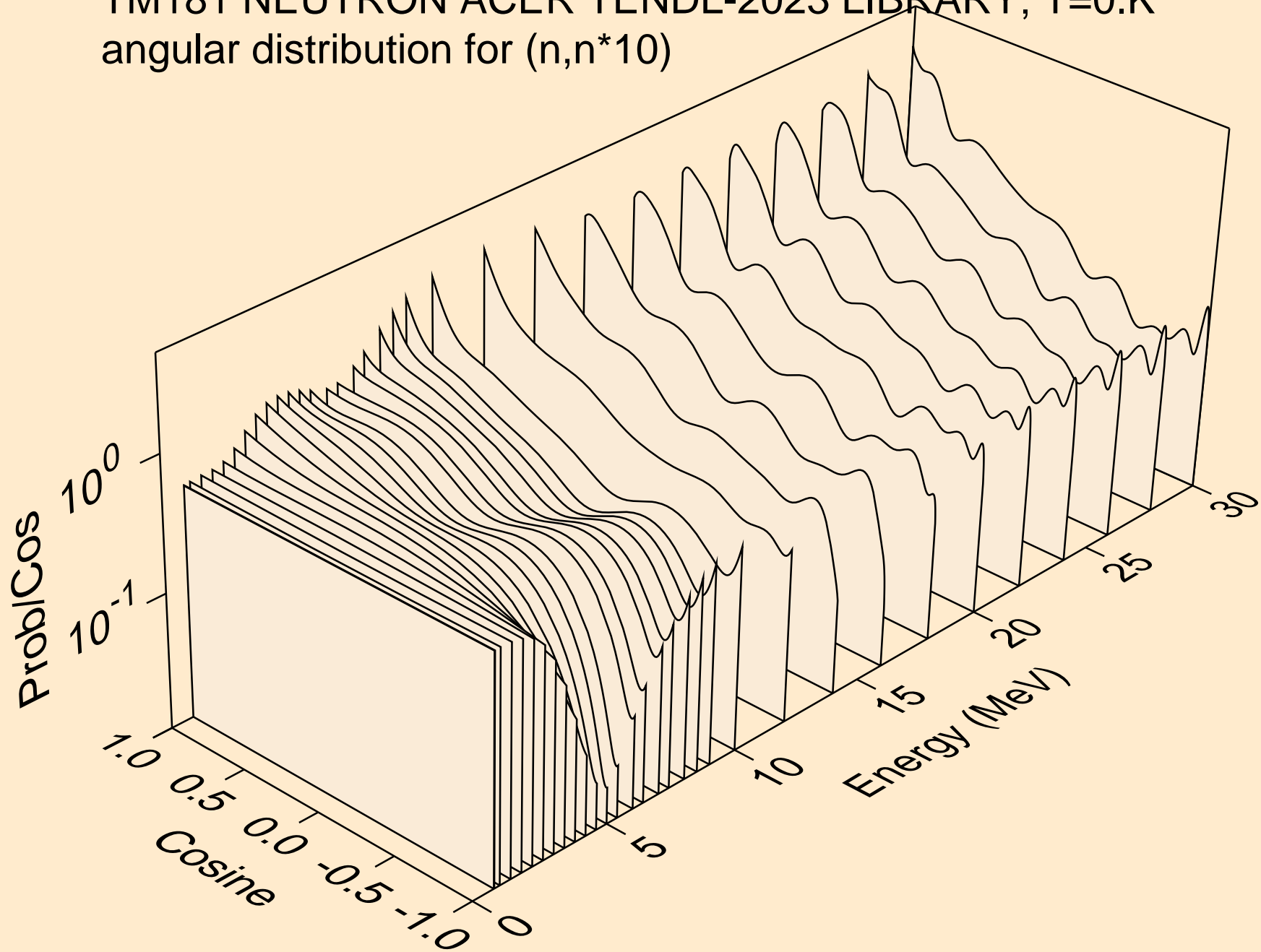
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angular distribution for (n,n\*8)



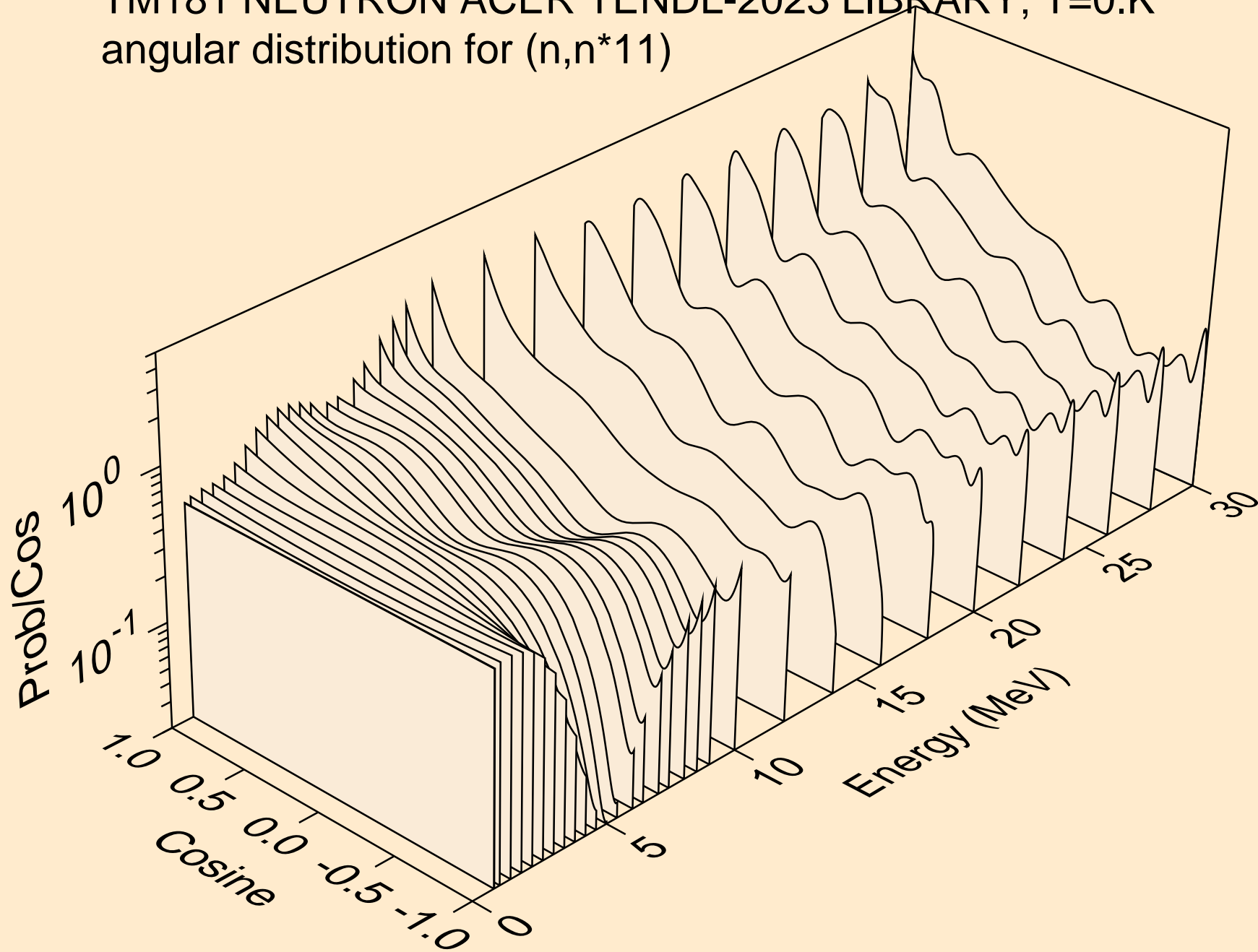
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



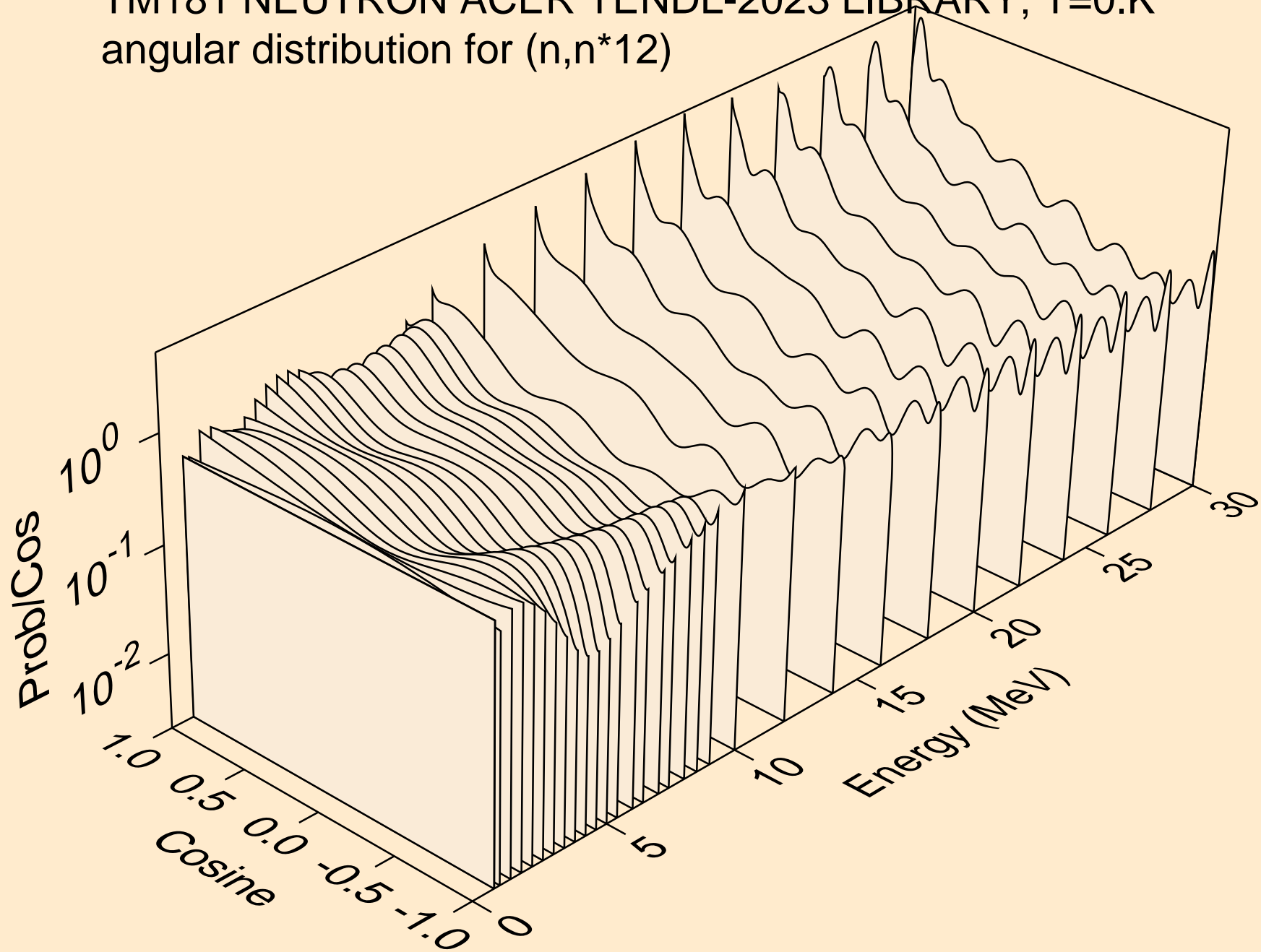
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angular distribution for (n,n\*10)



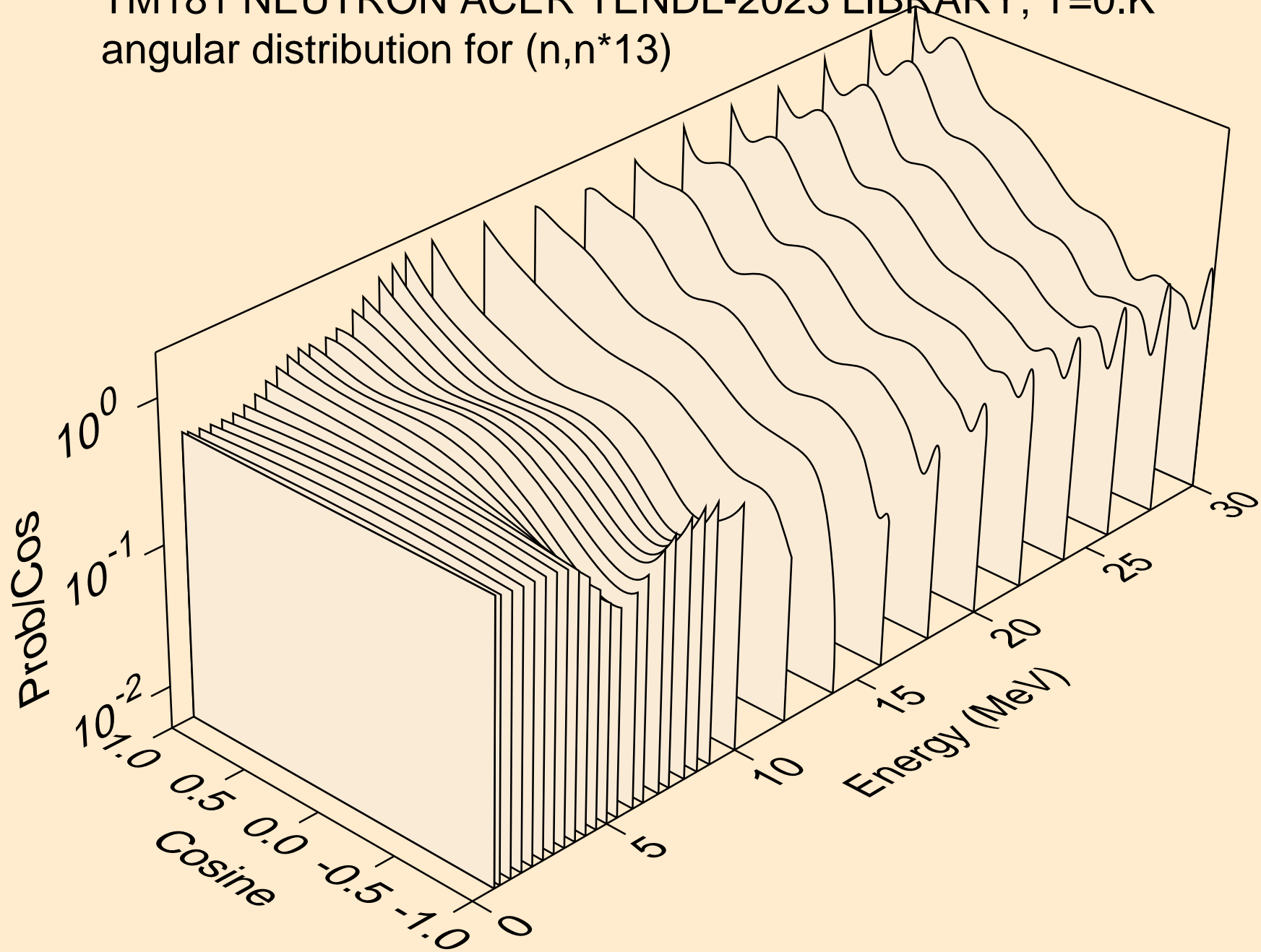
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)

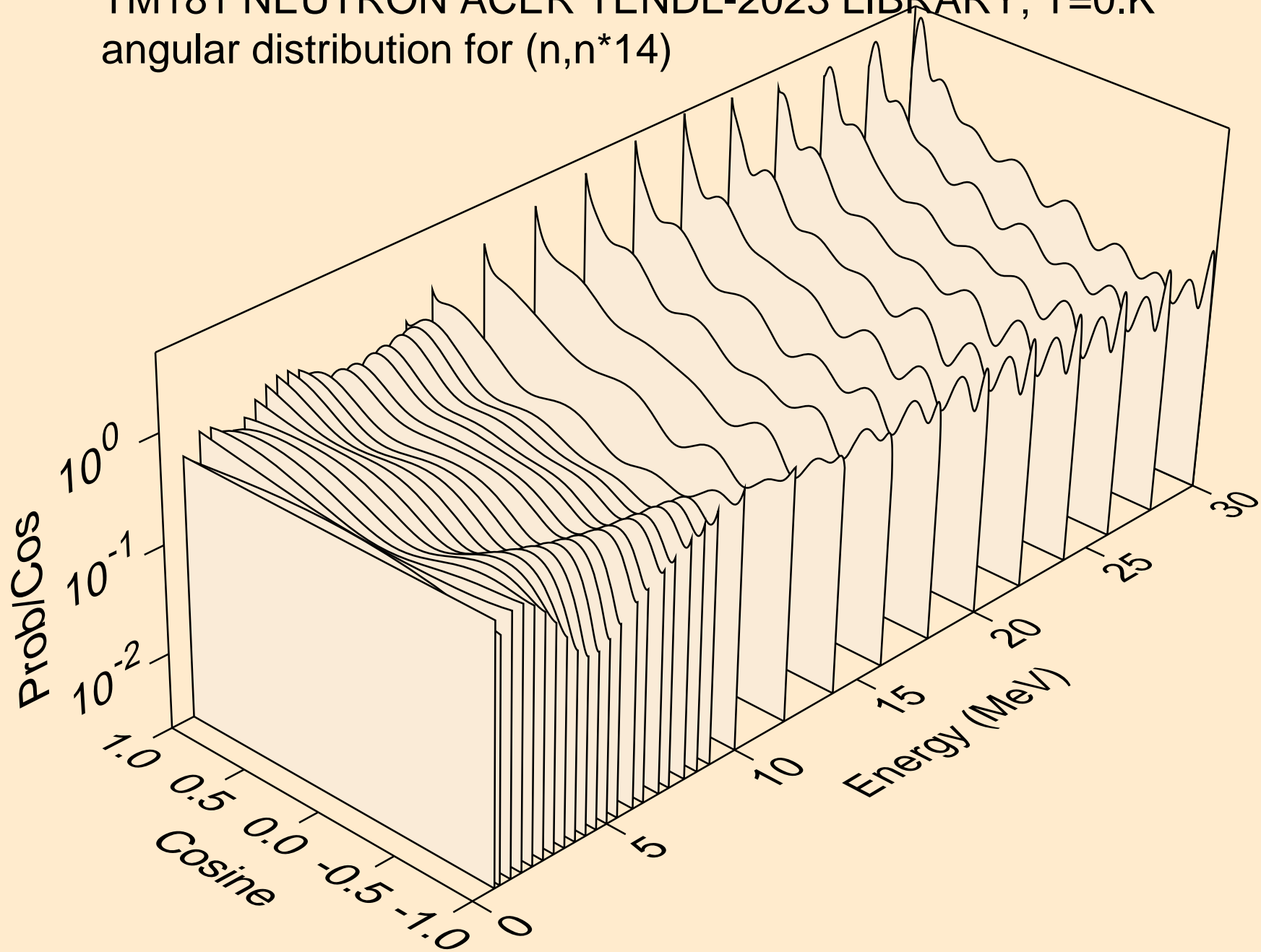


TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*13)

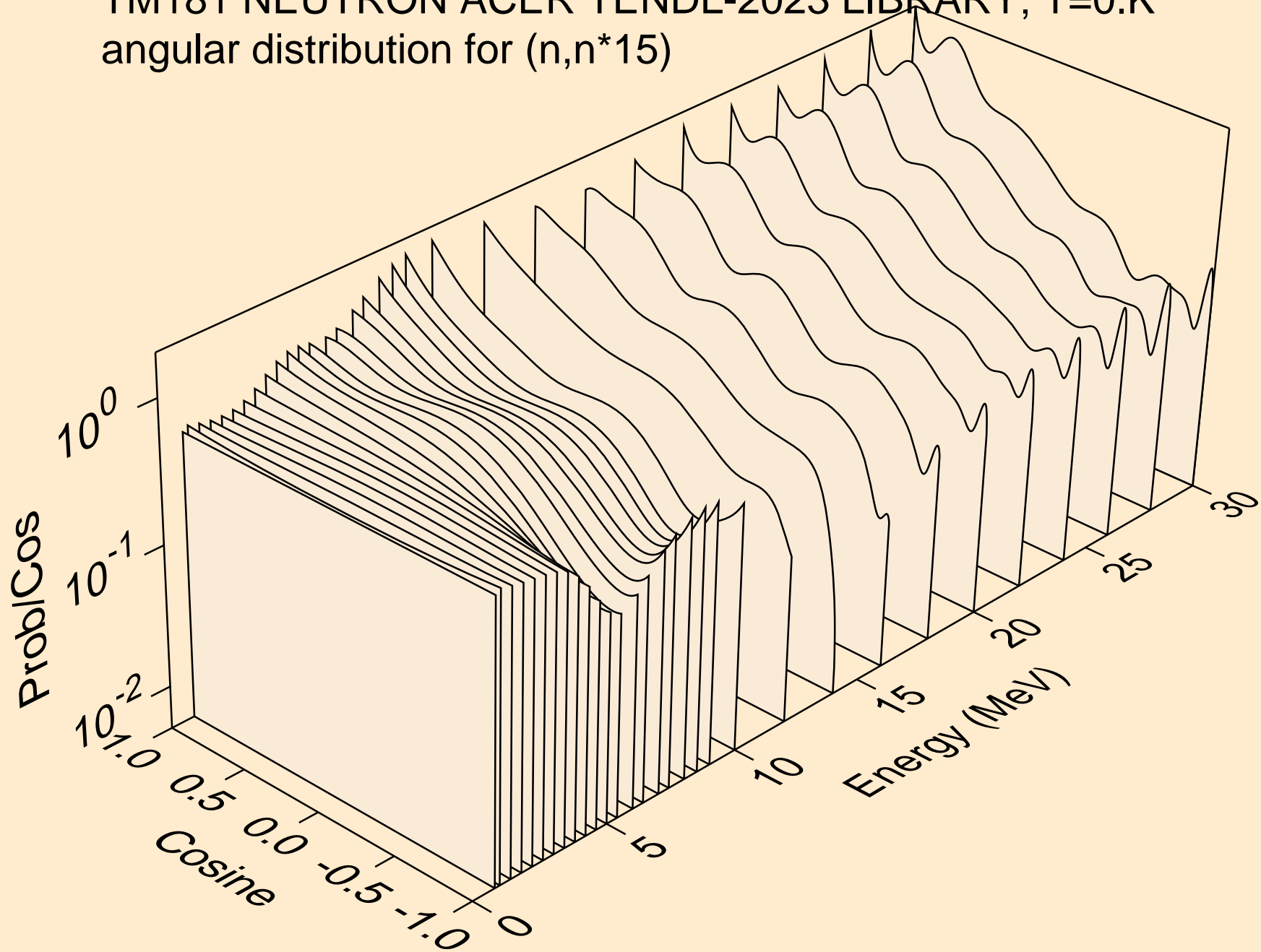




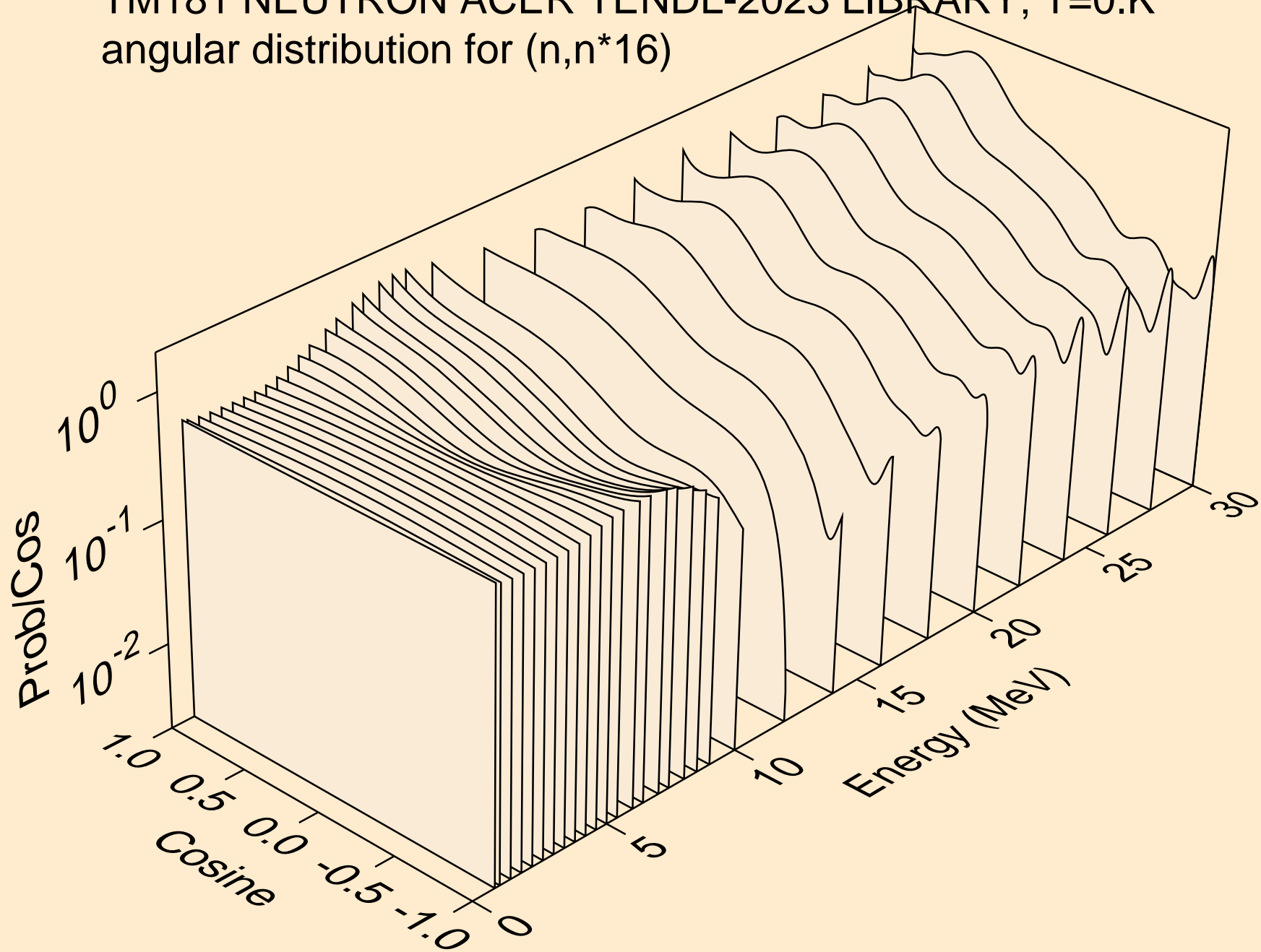
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angular distribution for (n,n\*14)



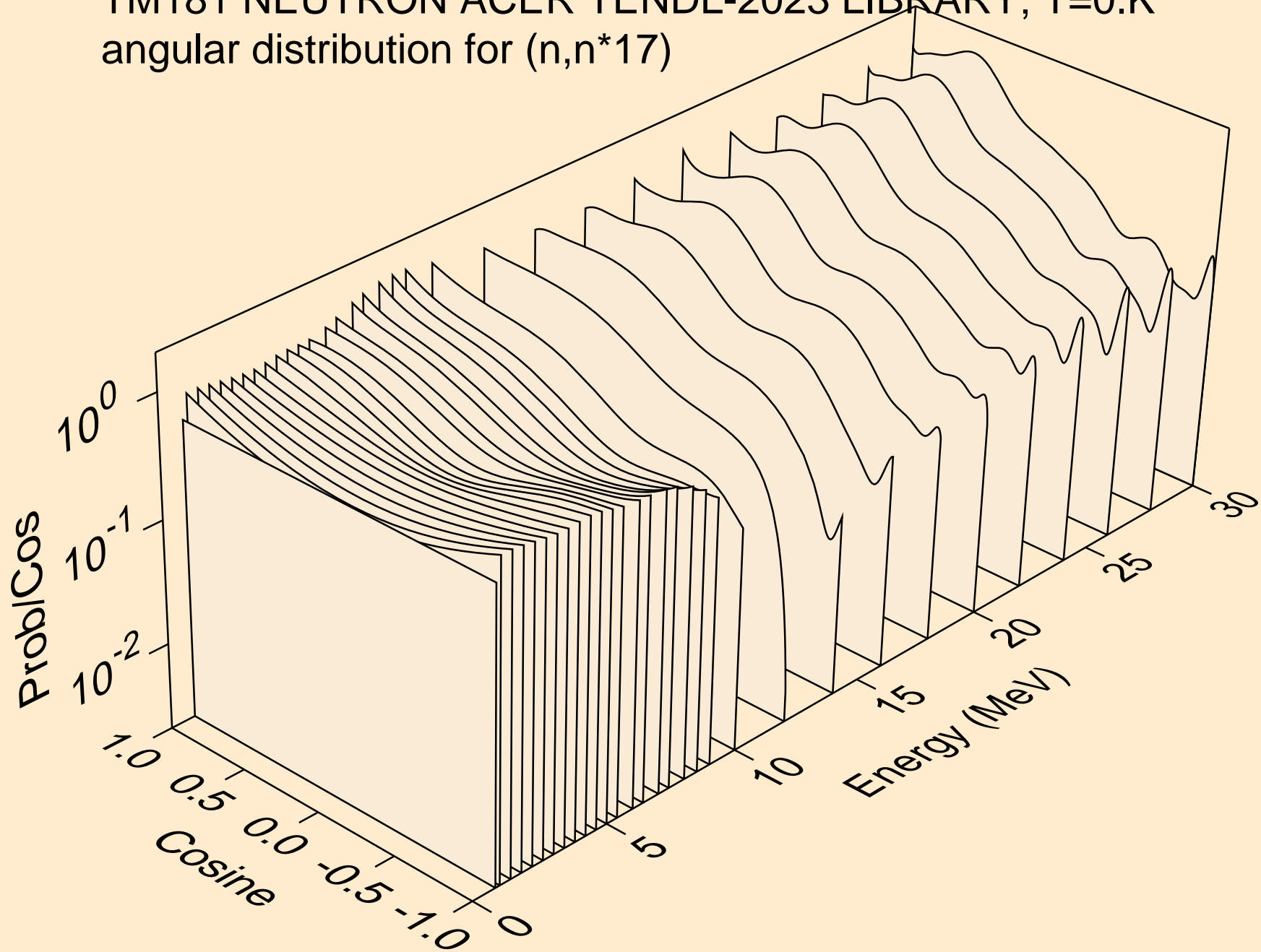
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angular distribution for (n,n\*15)



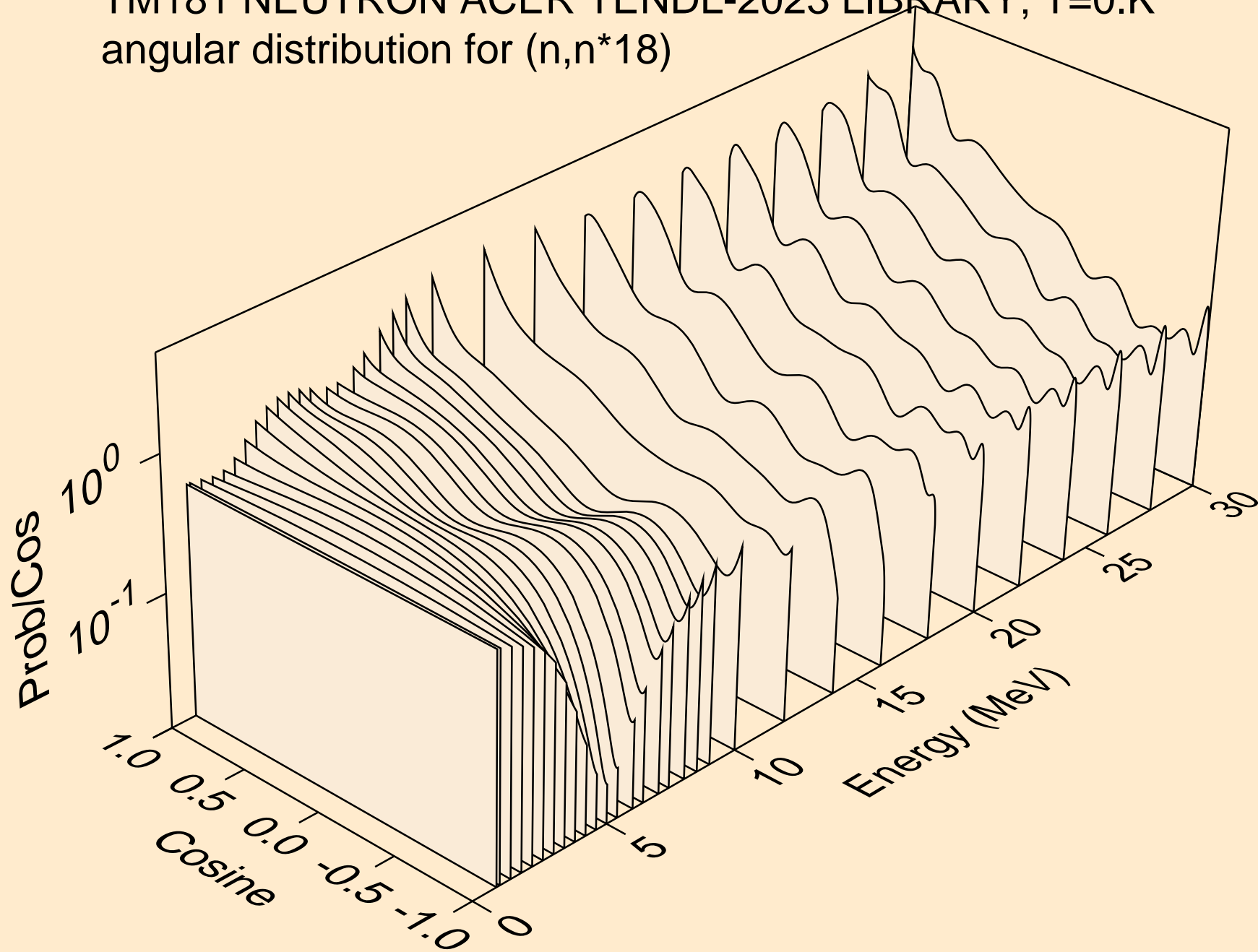
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angular distribution for (n,n\*16)



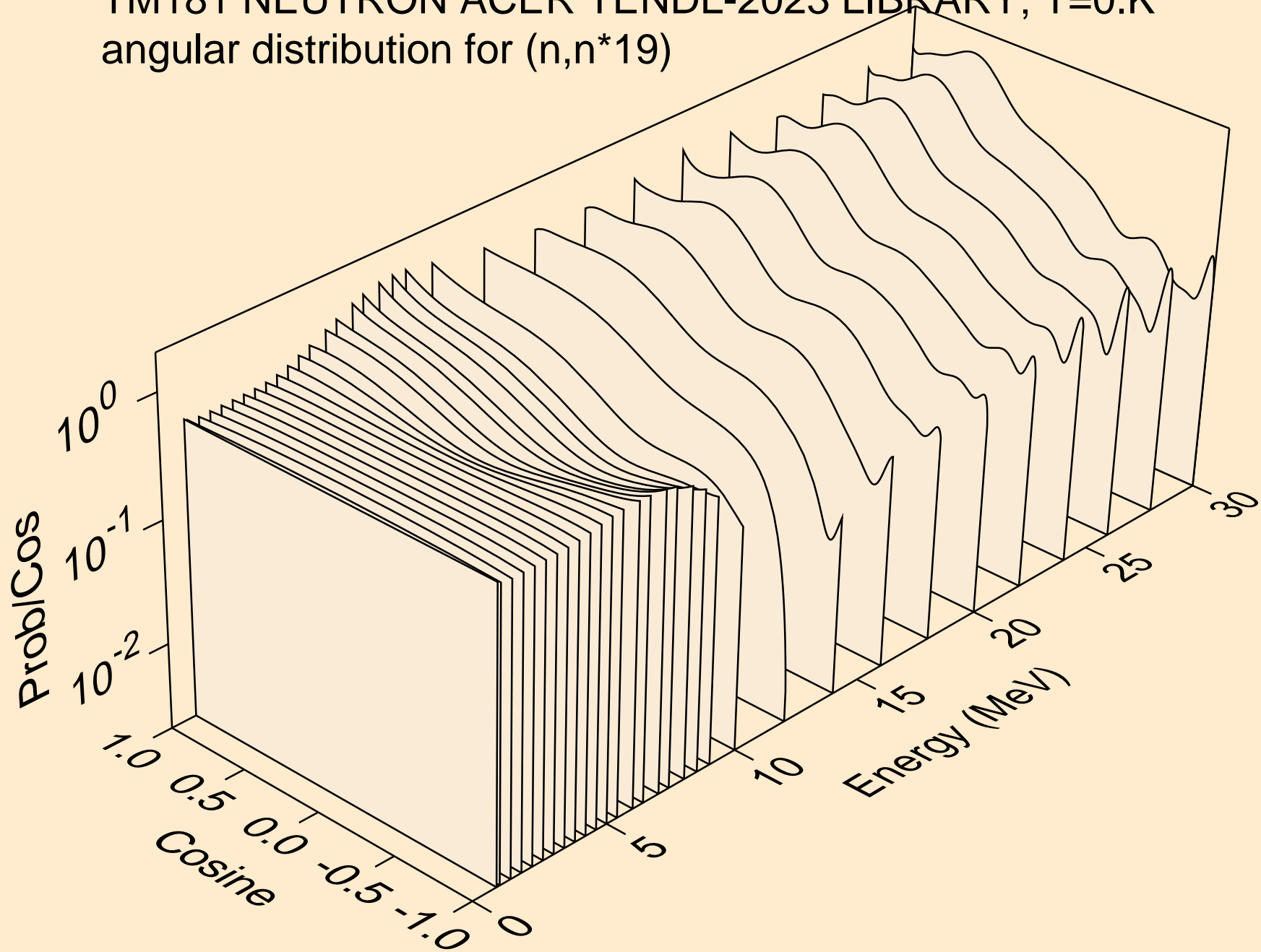
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angular distribution for (n,n\*17)



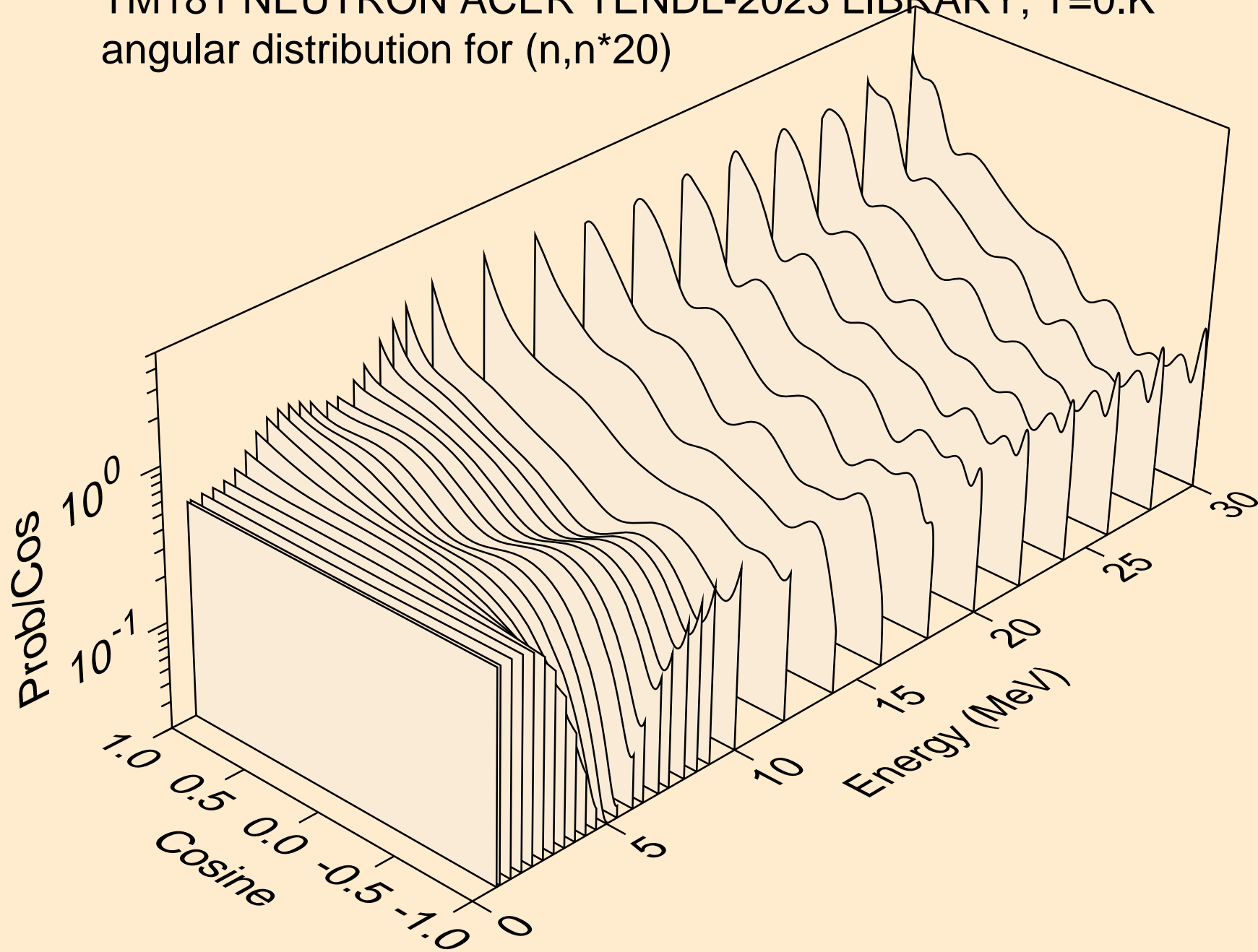
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angular distribution for (n,n\*18)



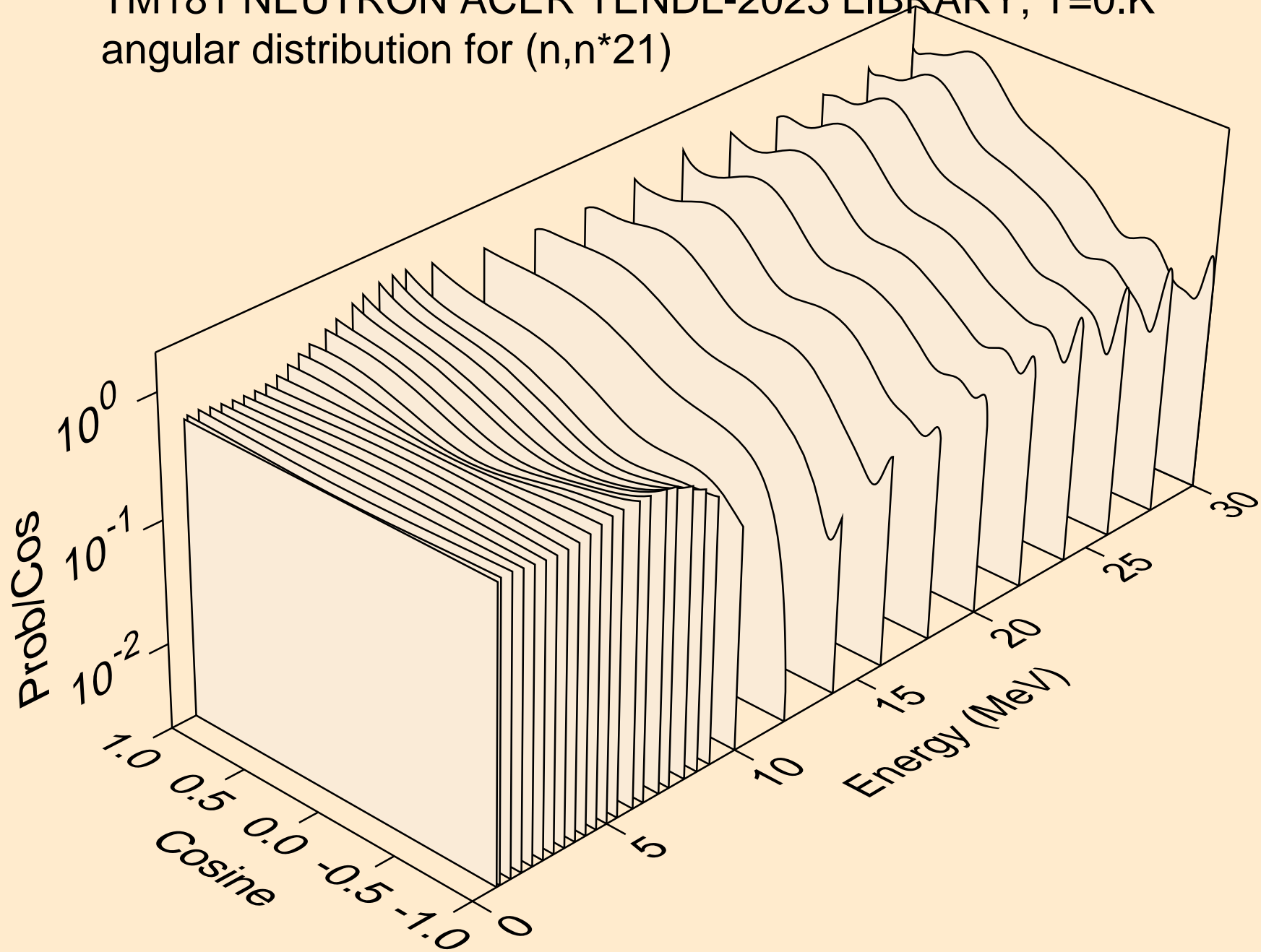
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*20)

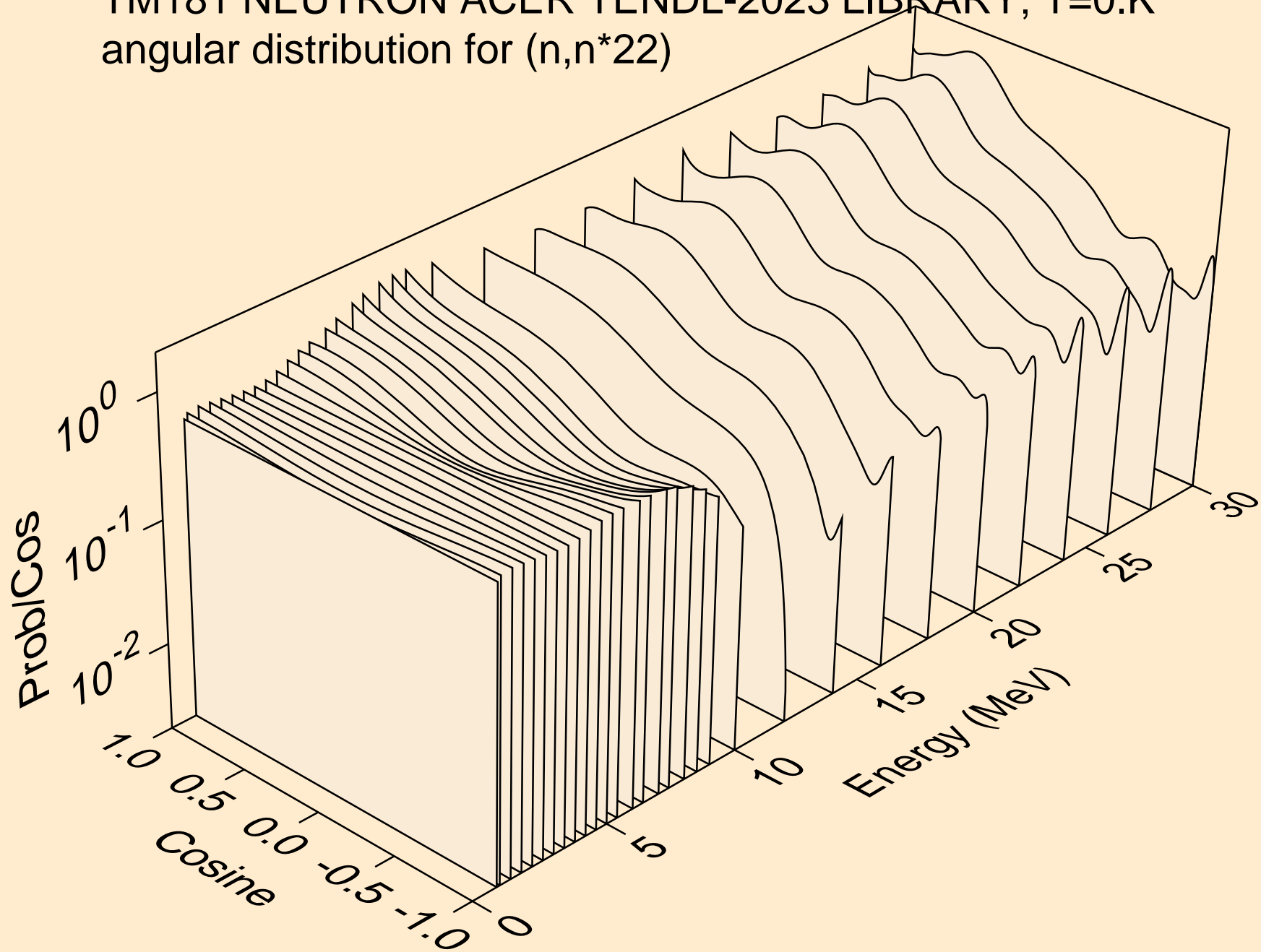


TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*21)

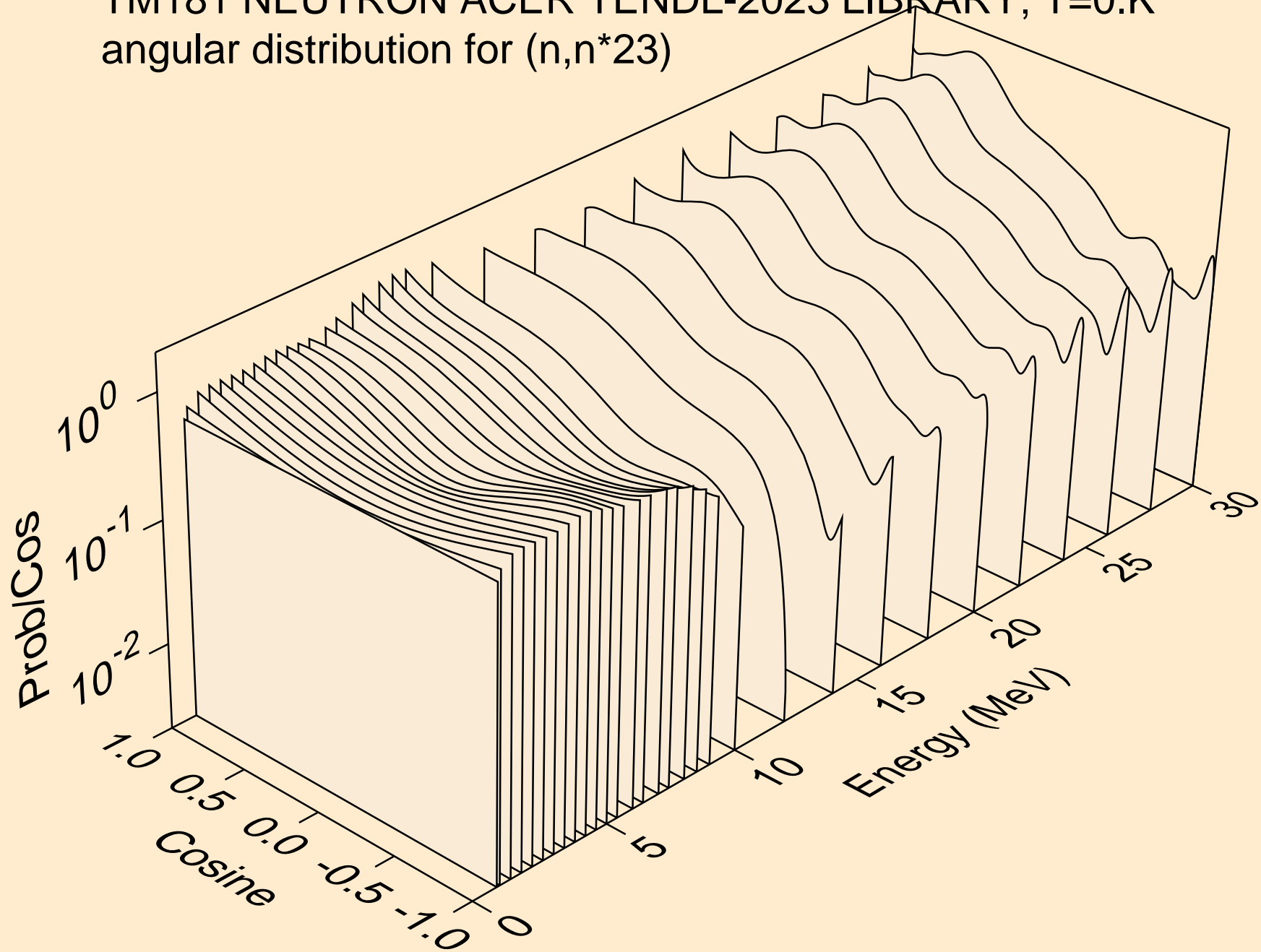




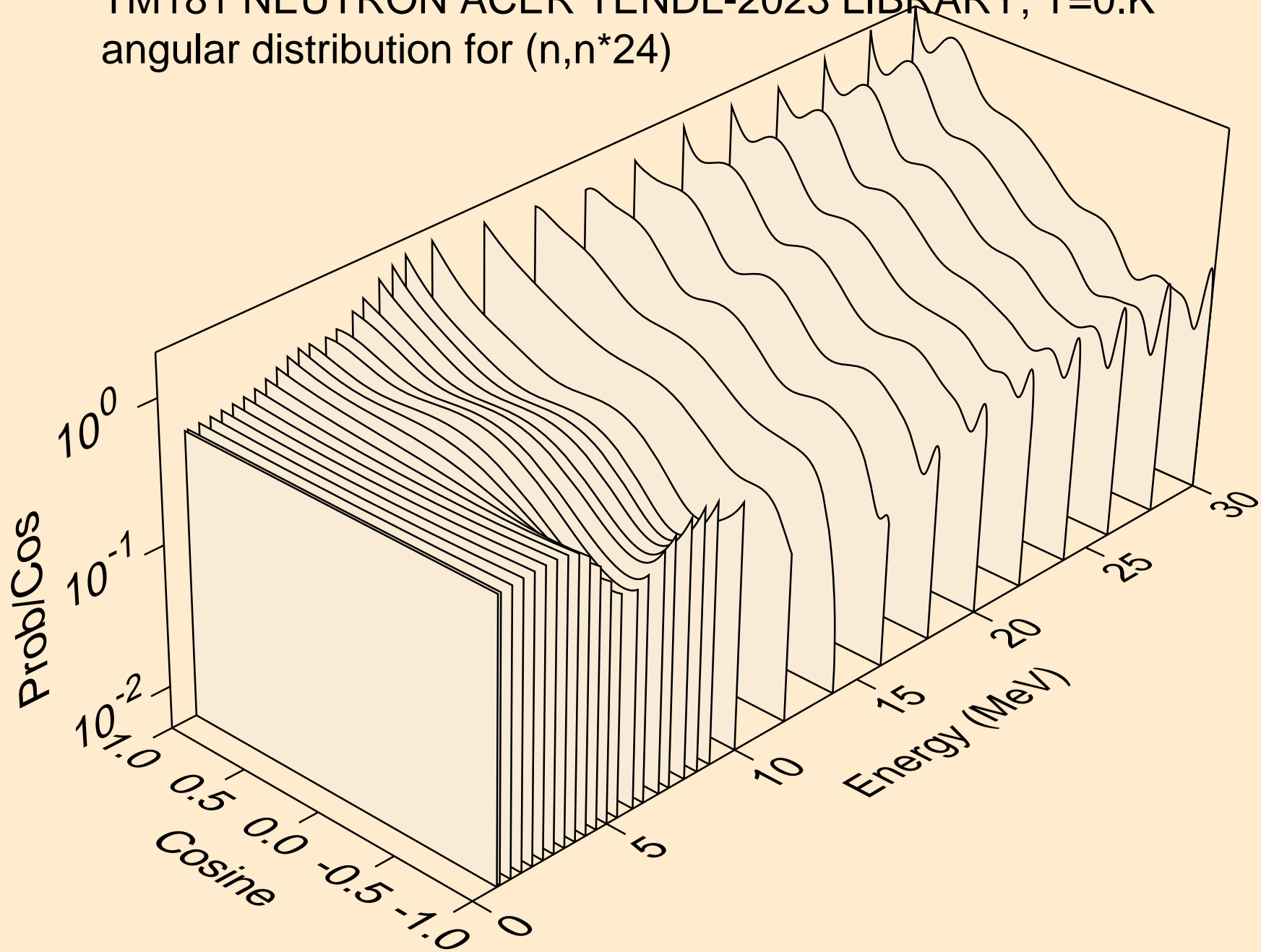
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*22)



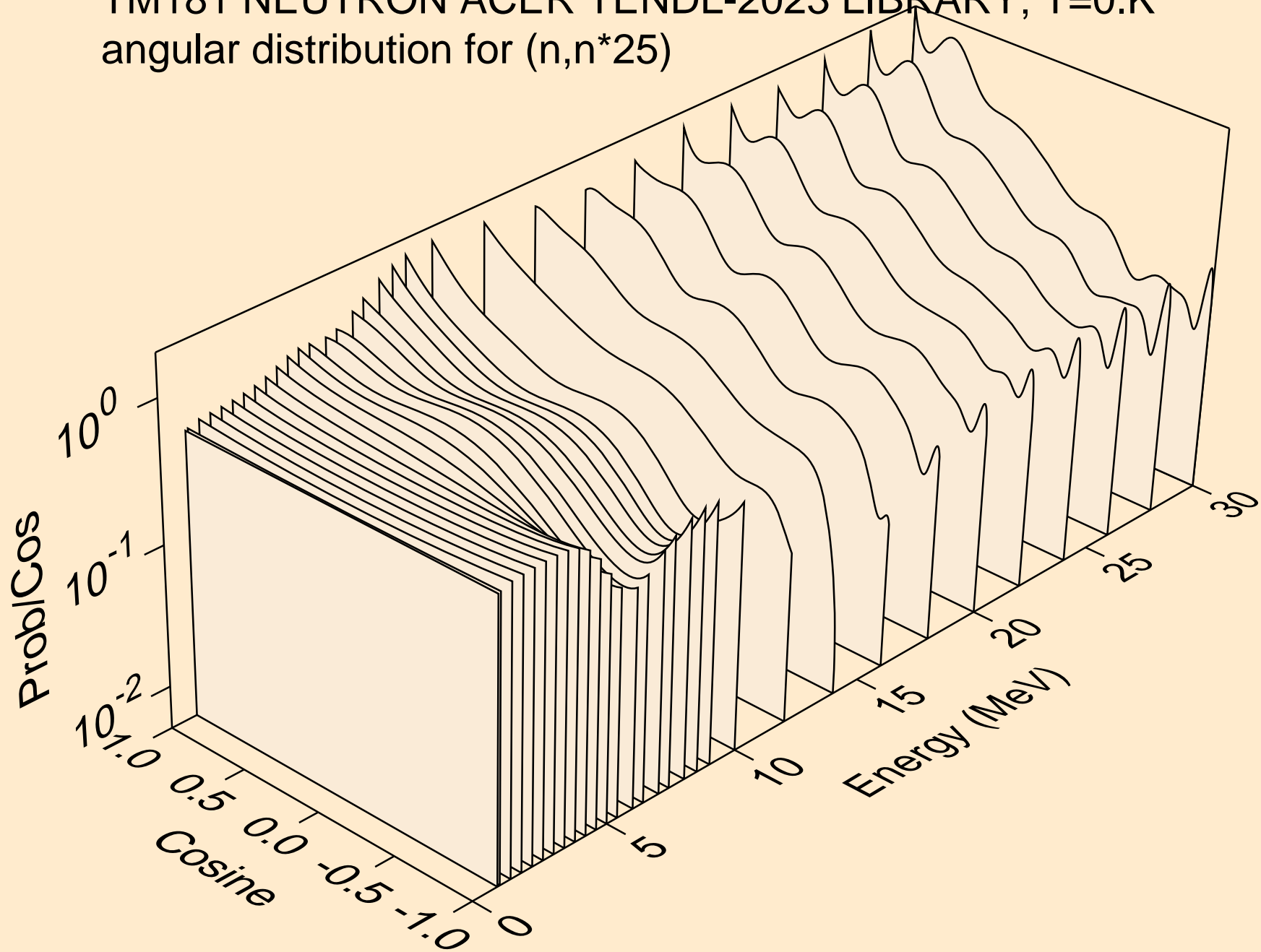
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angular distribution for (n,n\*23)



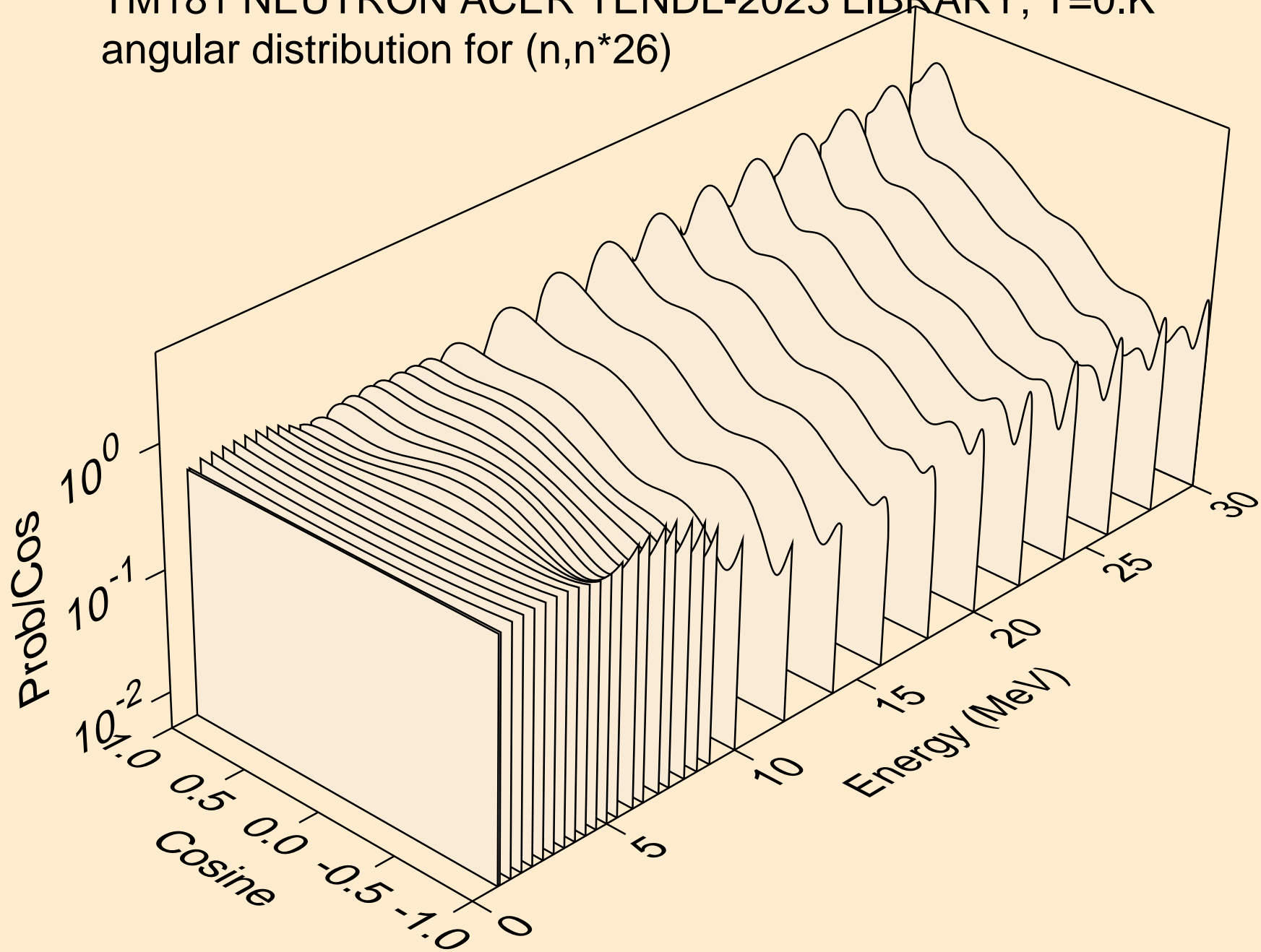
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angular distribution for (n,n\*24)



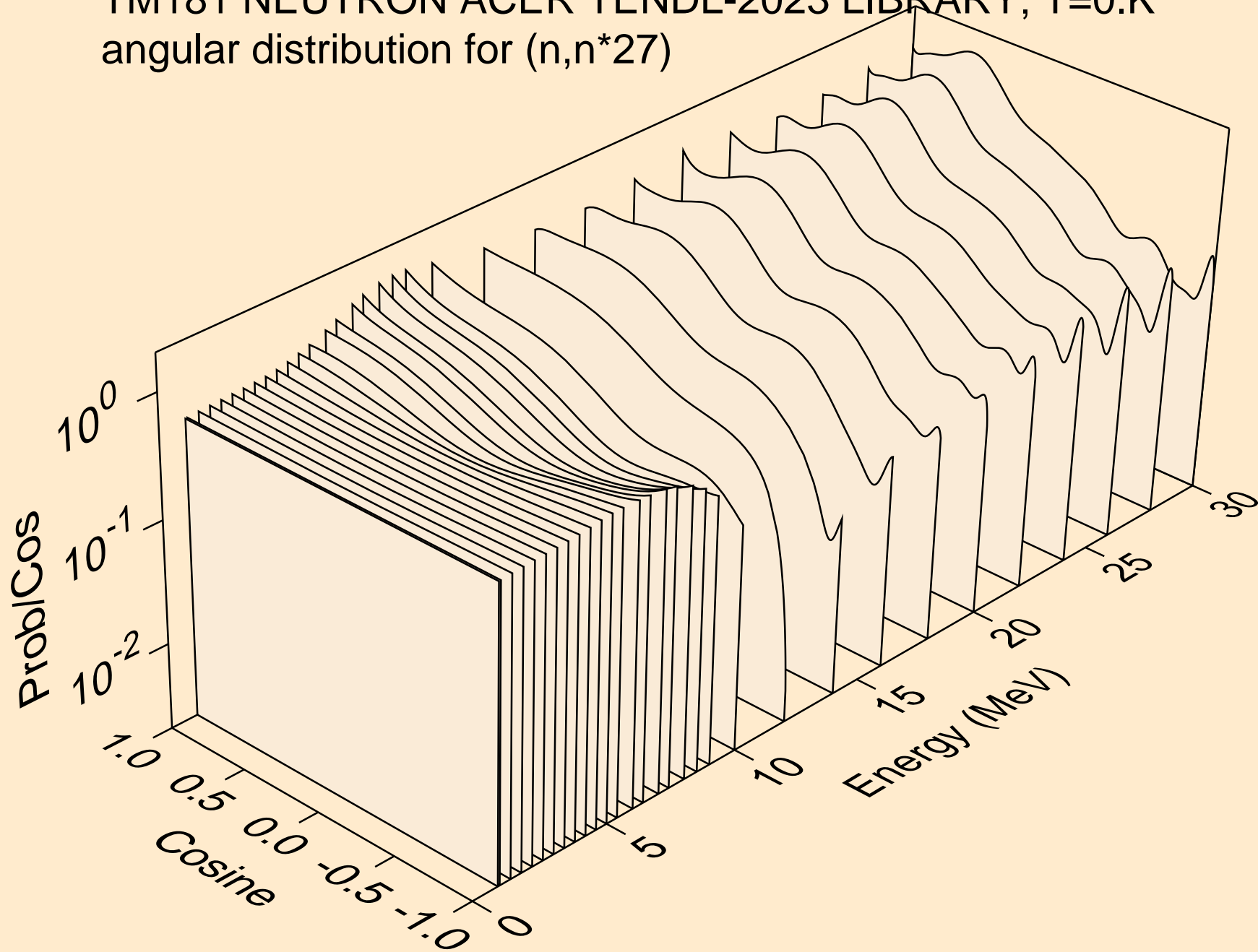
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*25)



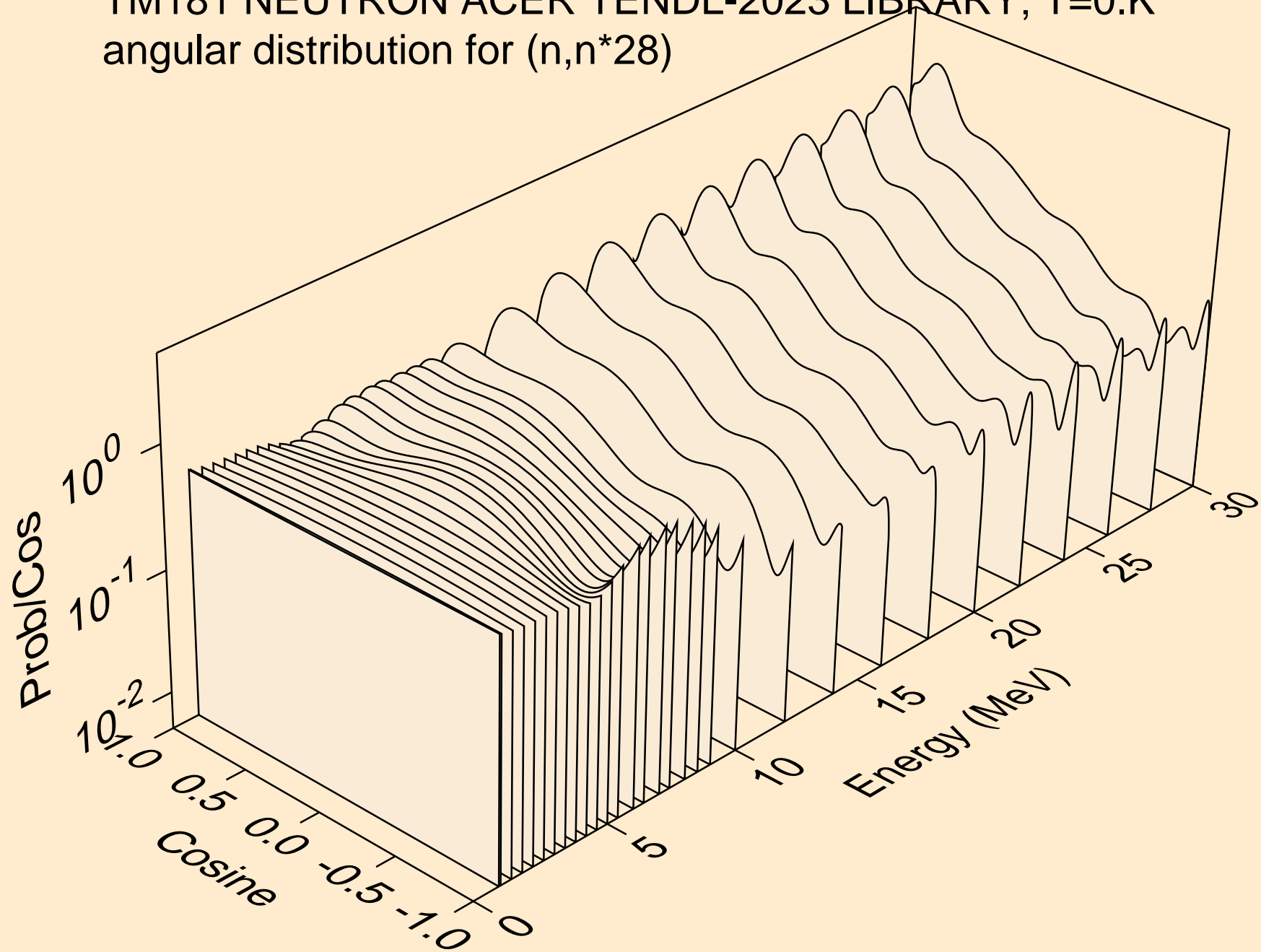
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



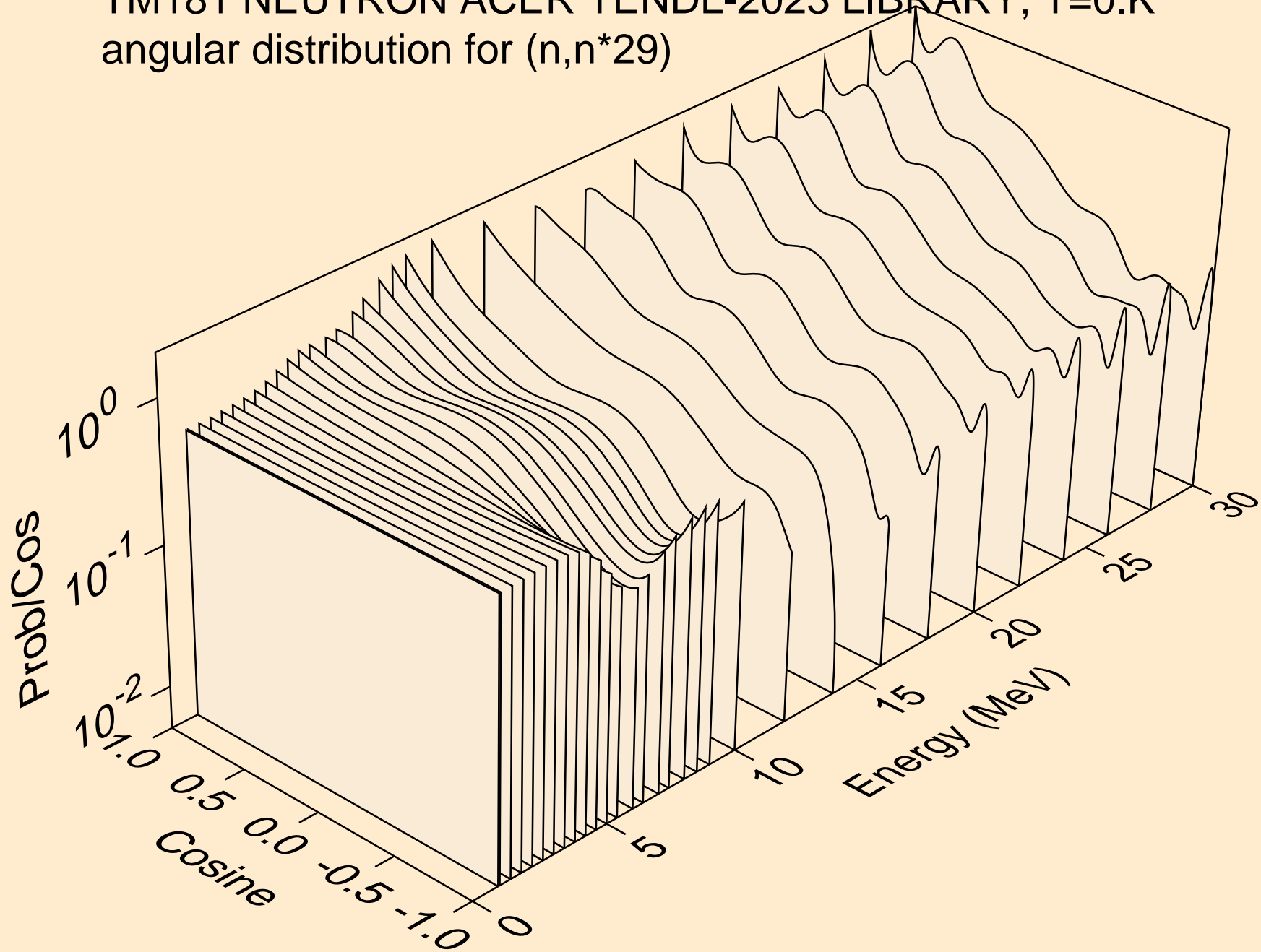
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*28)

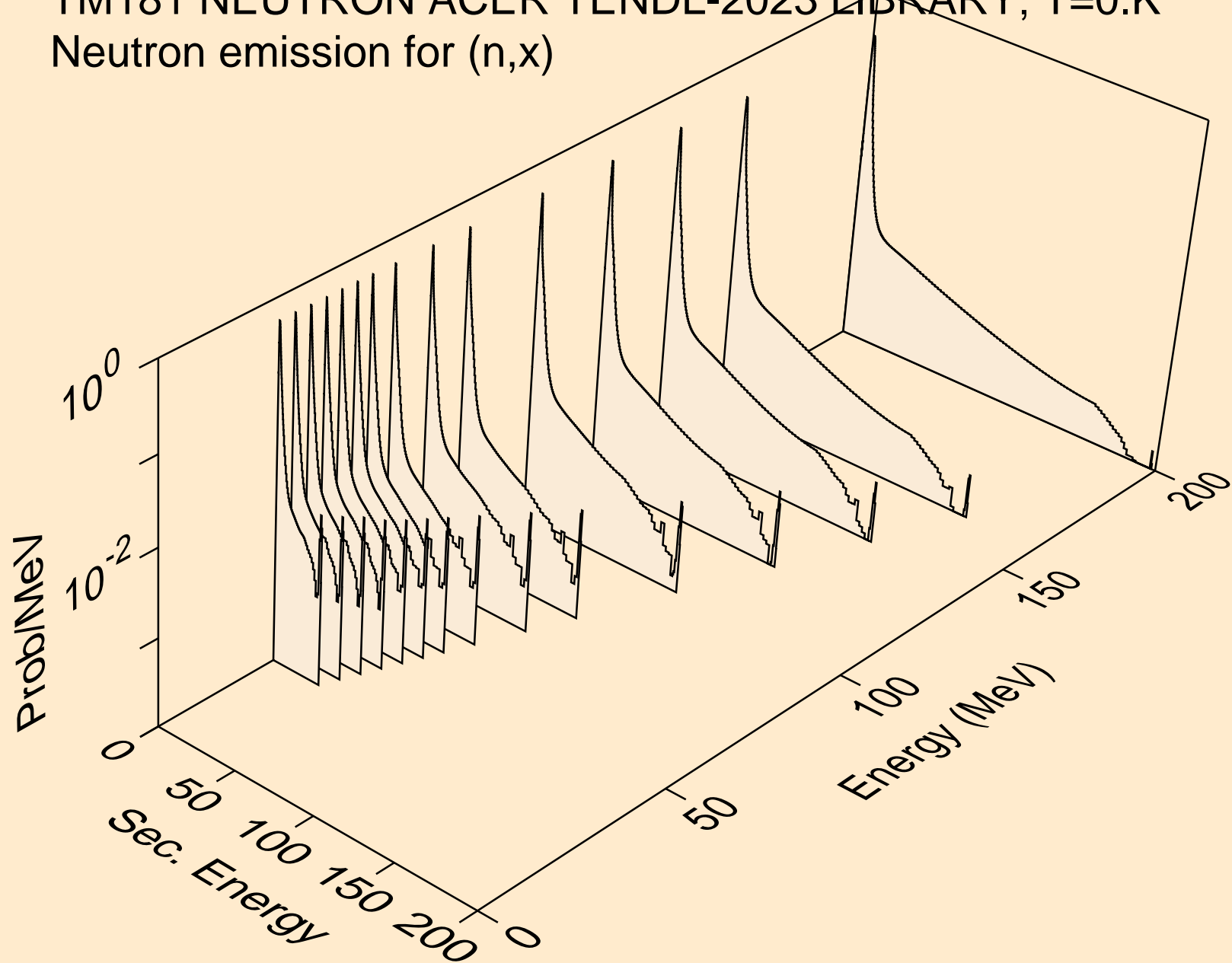


TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*29)

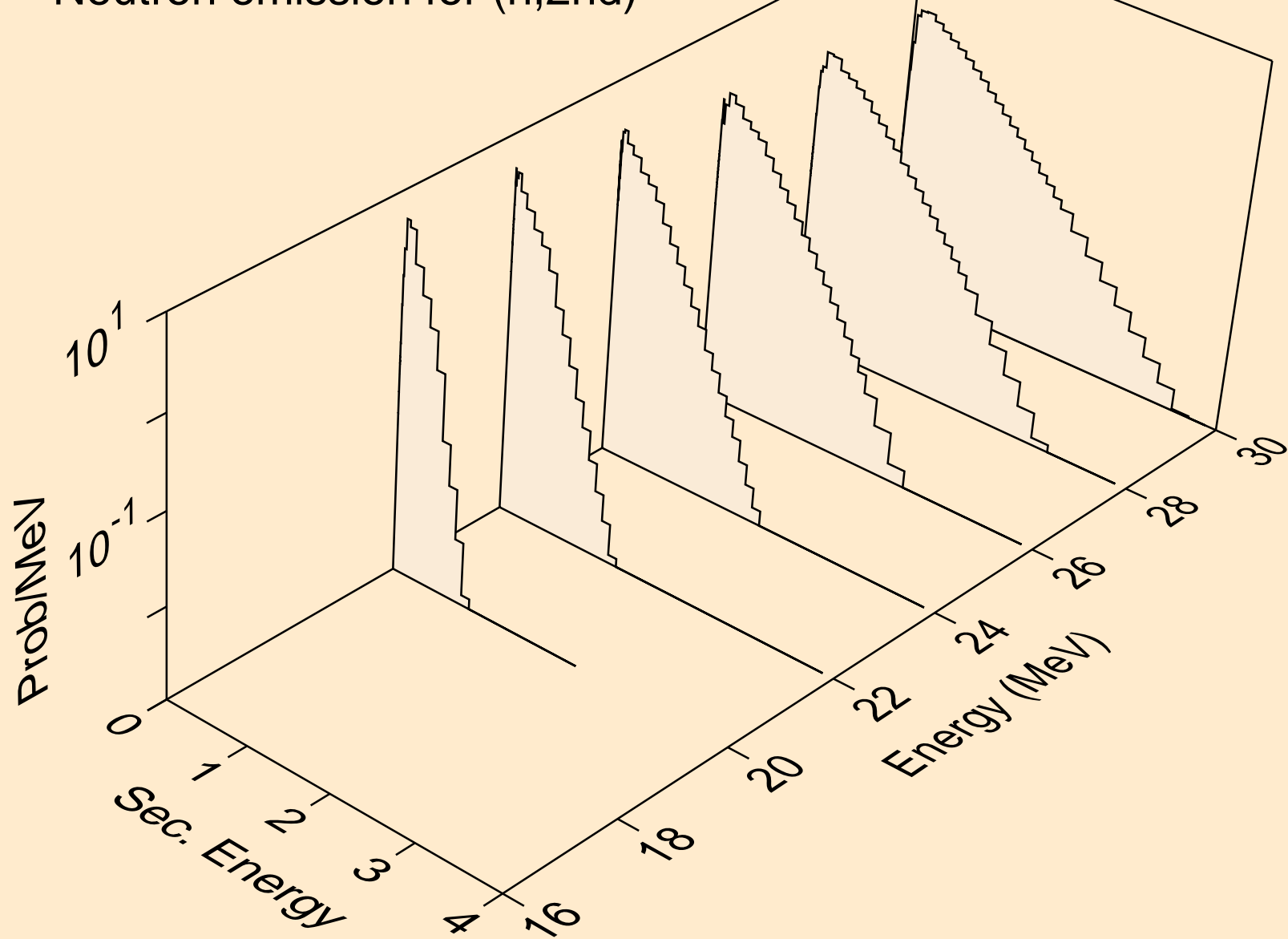




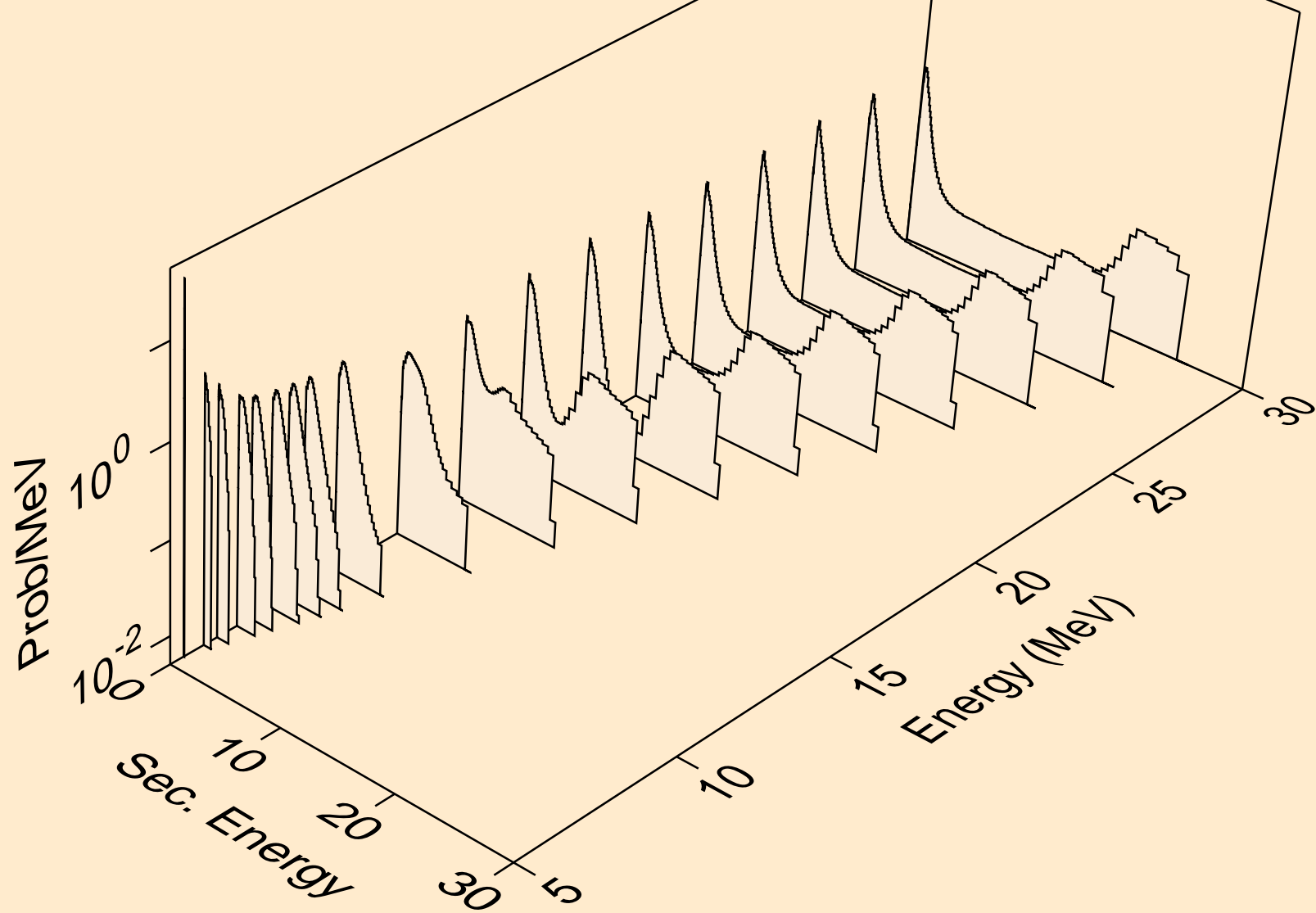
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



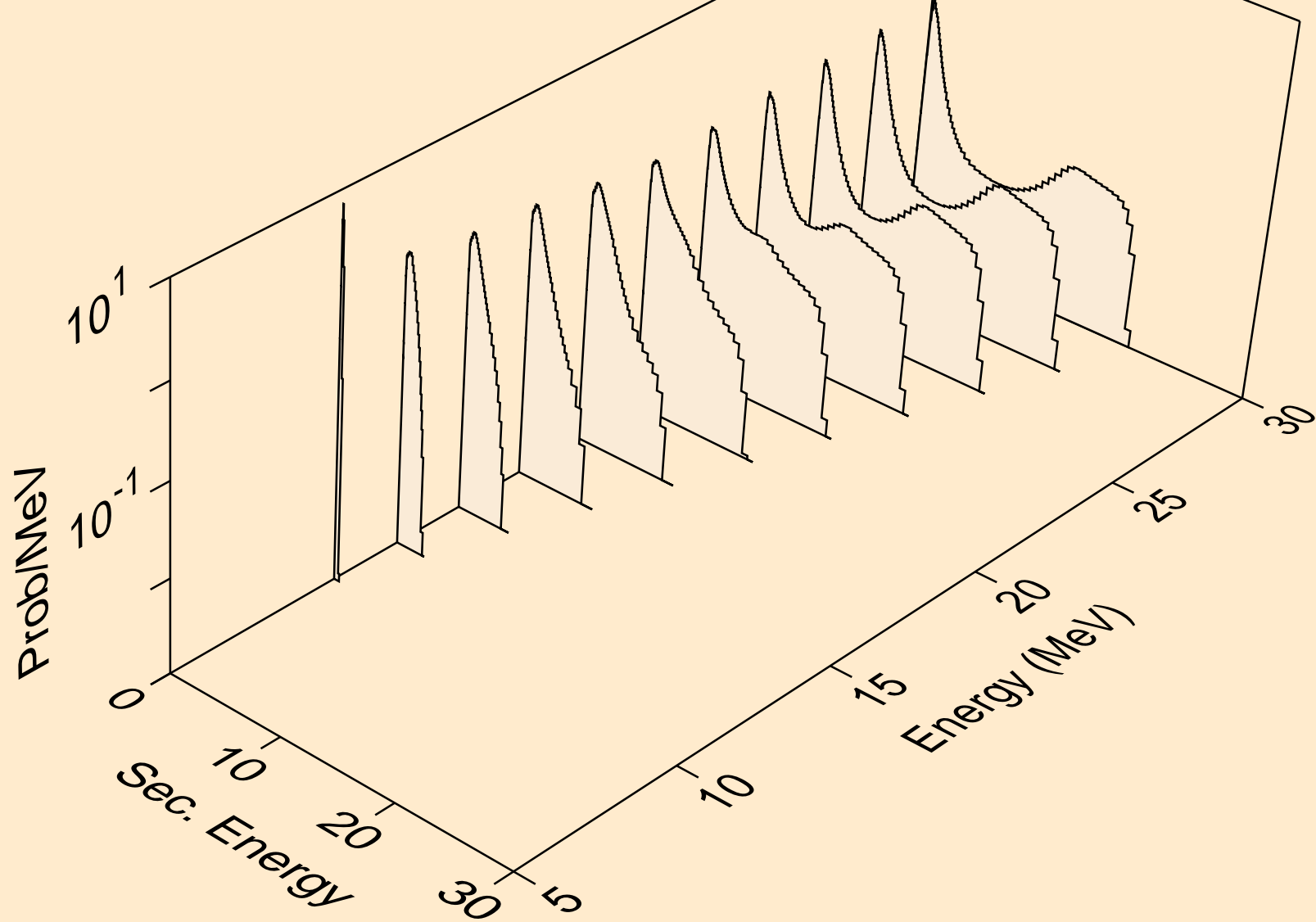
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



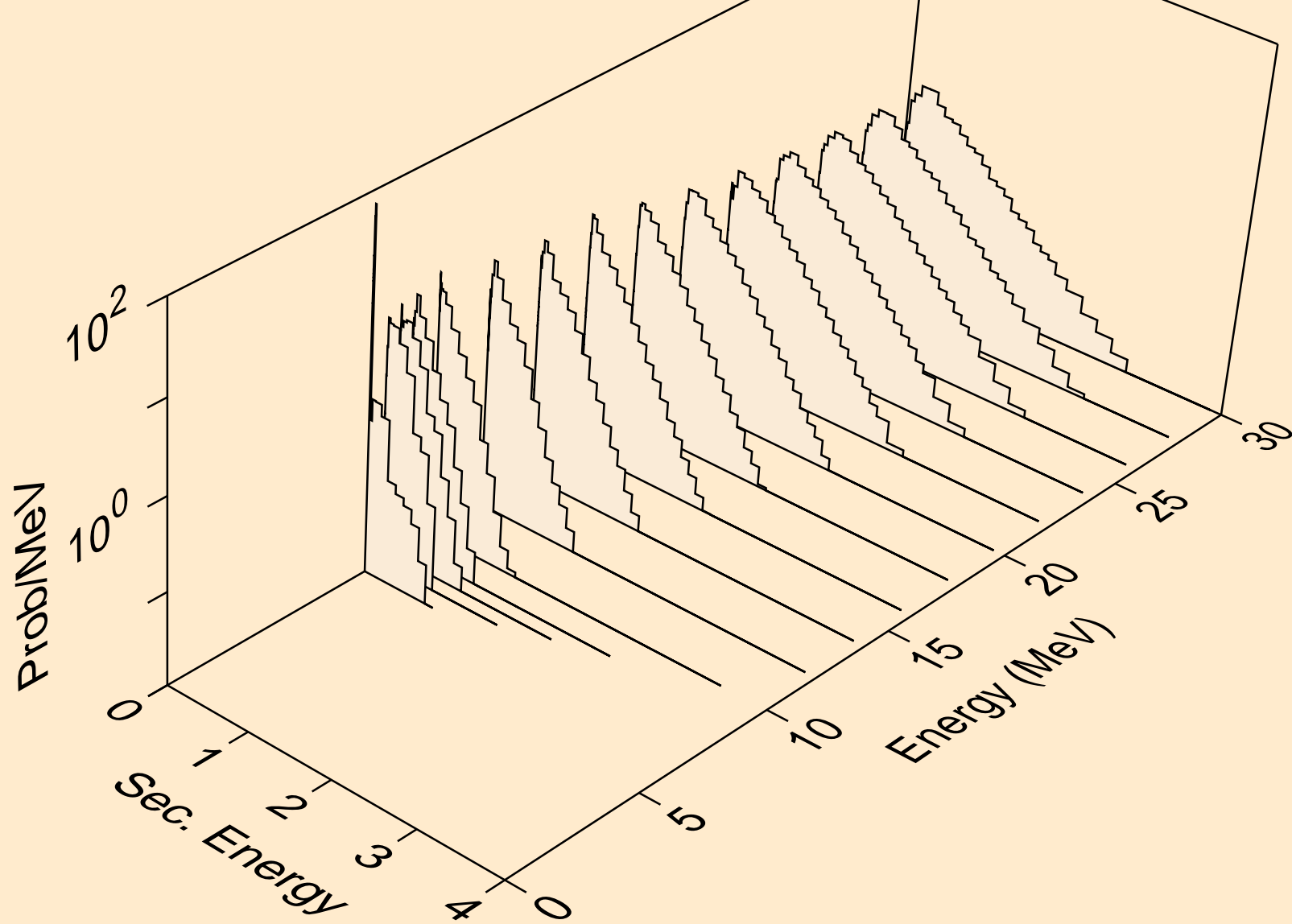
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



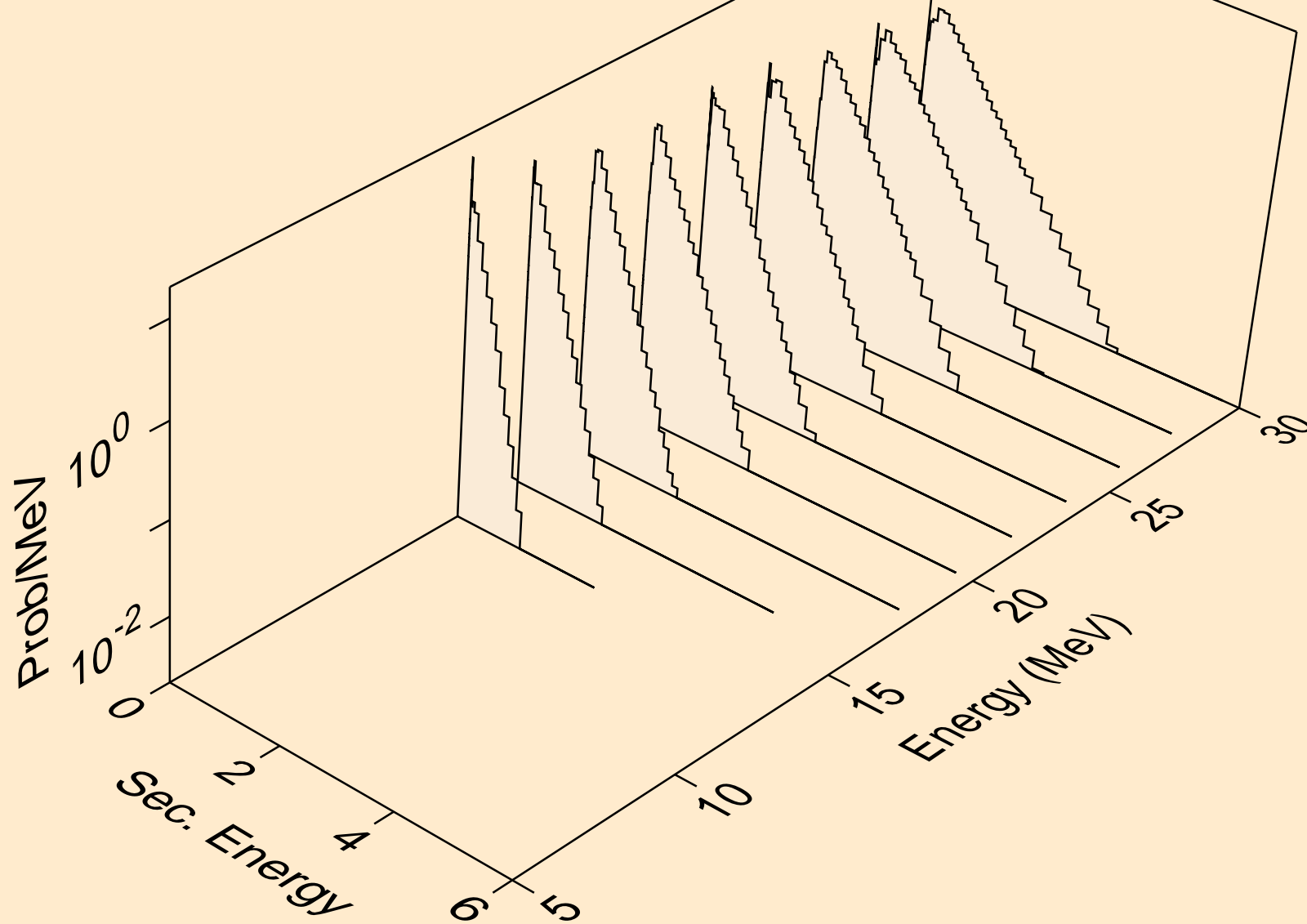
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



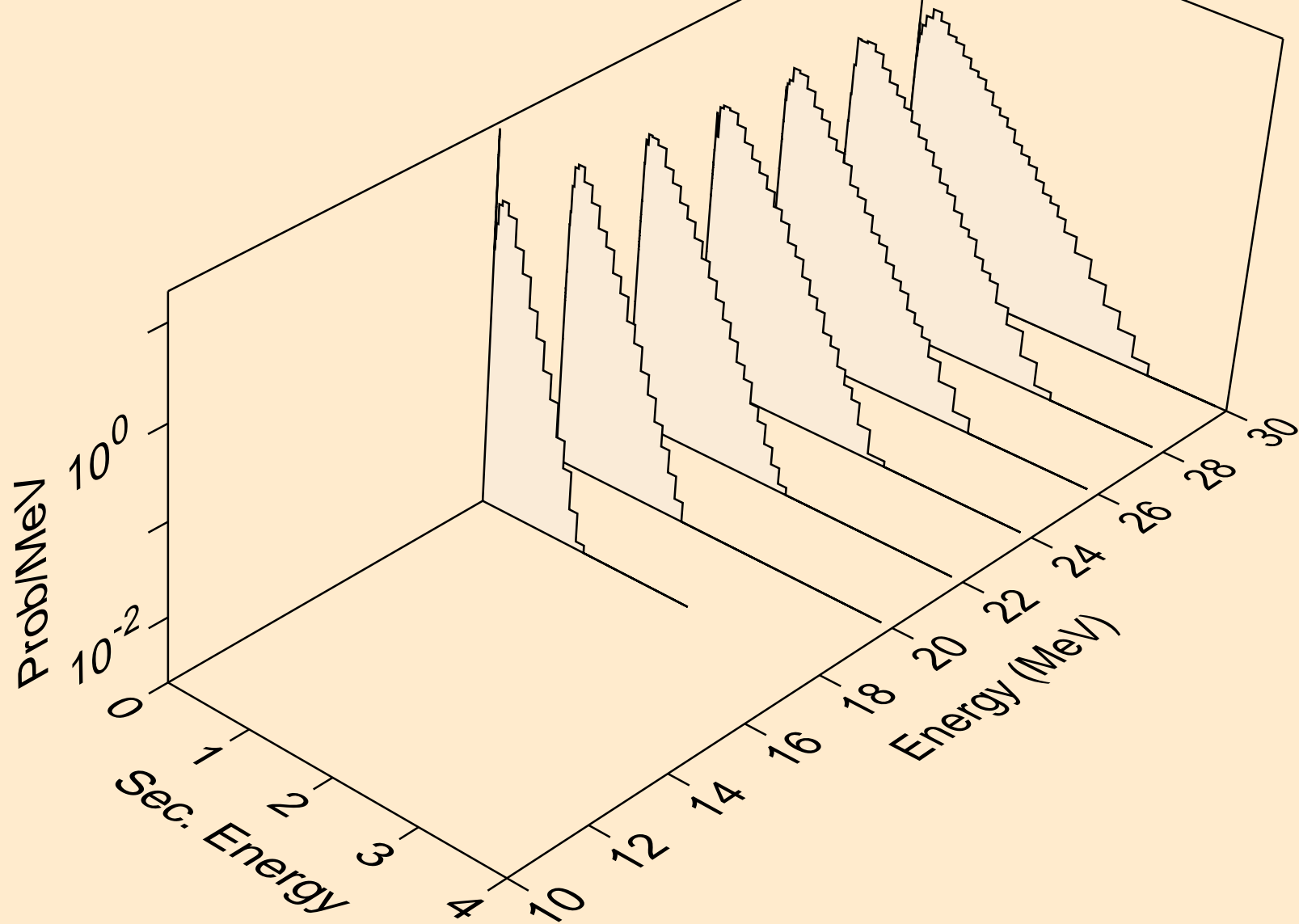
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



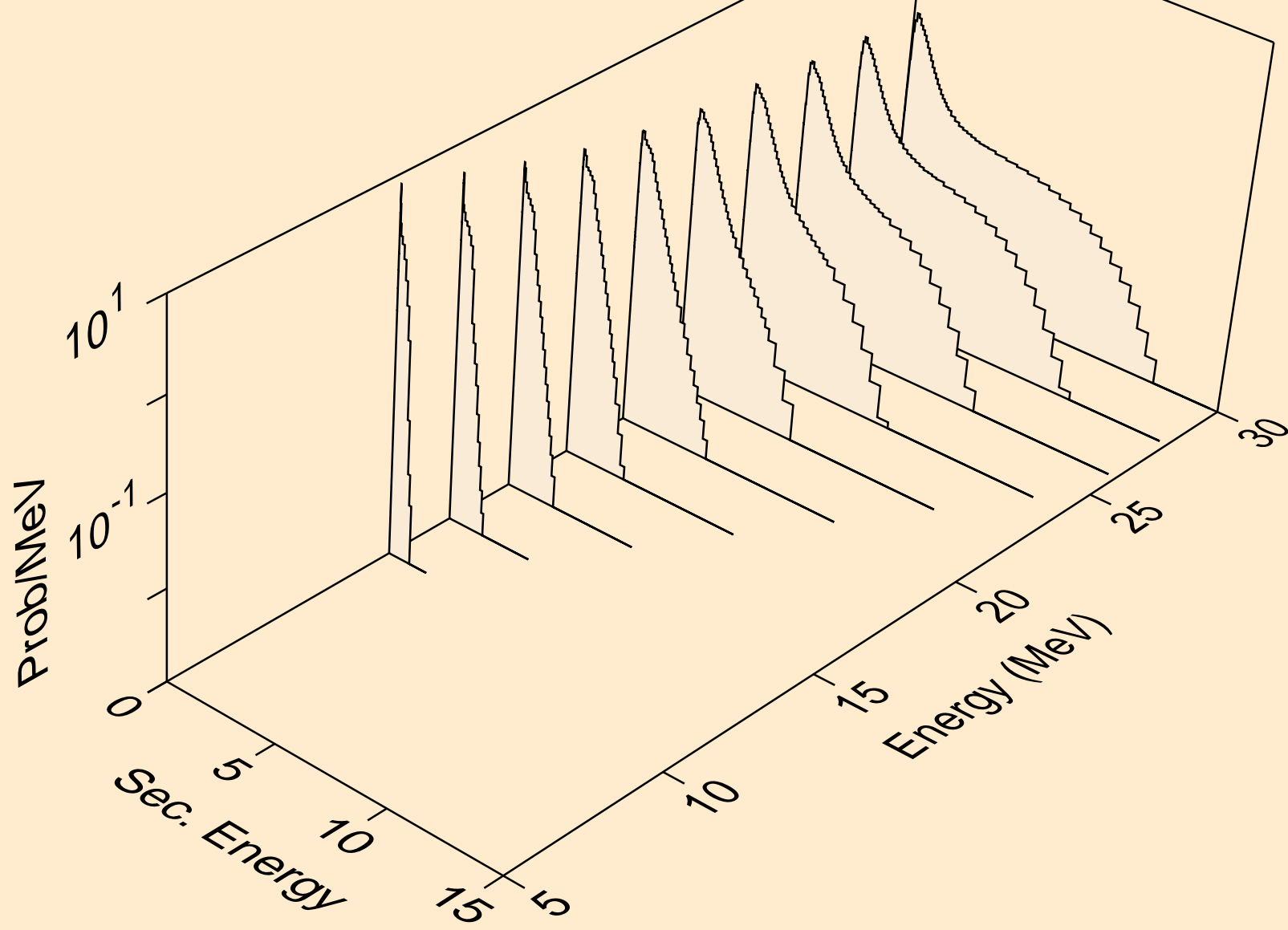
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a

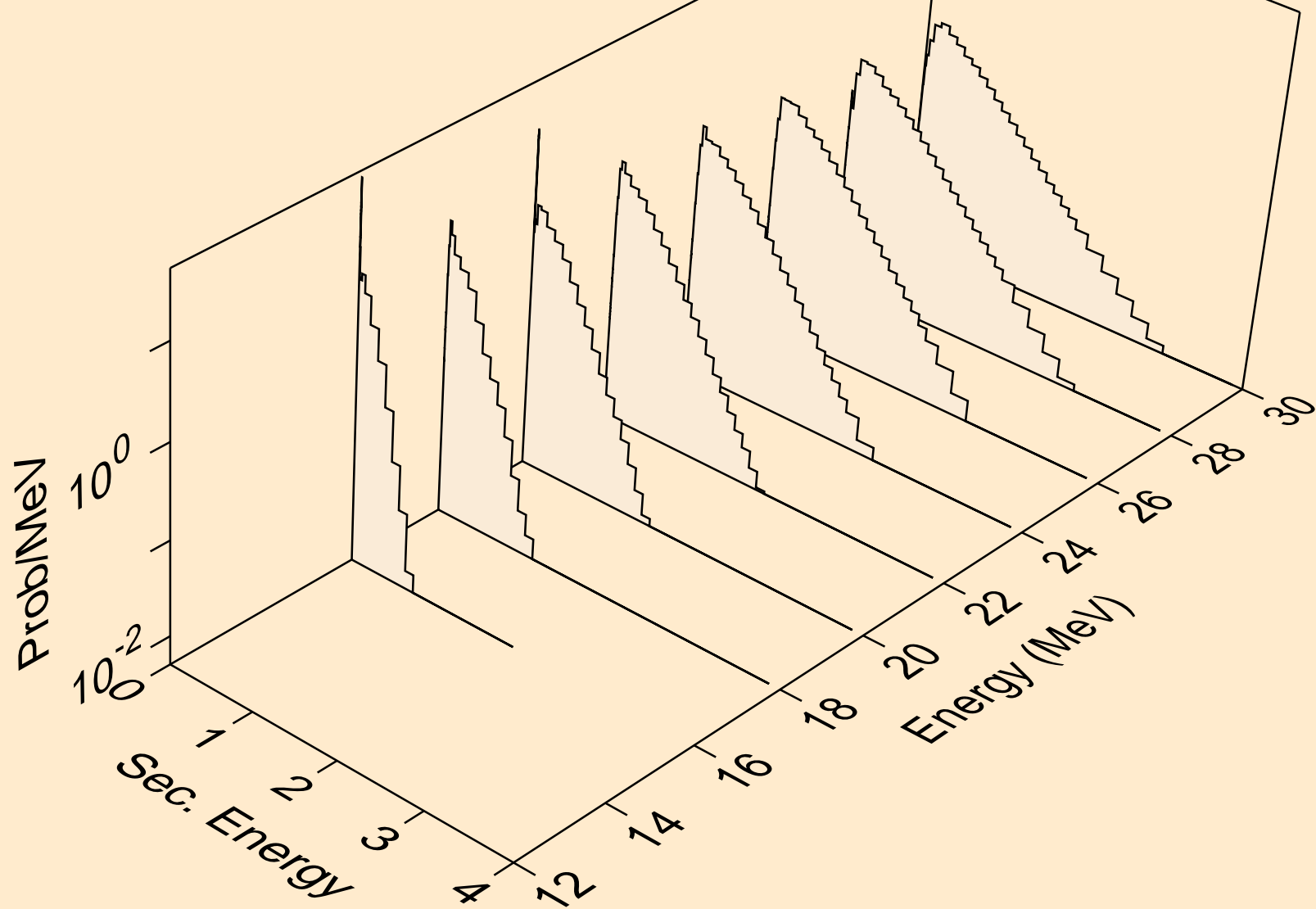


TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p

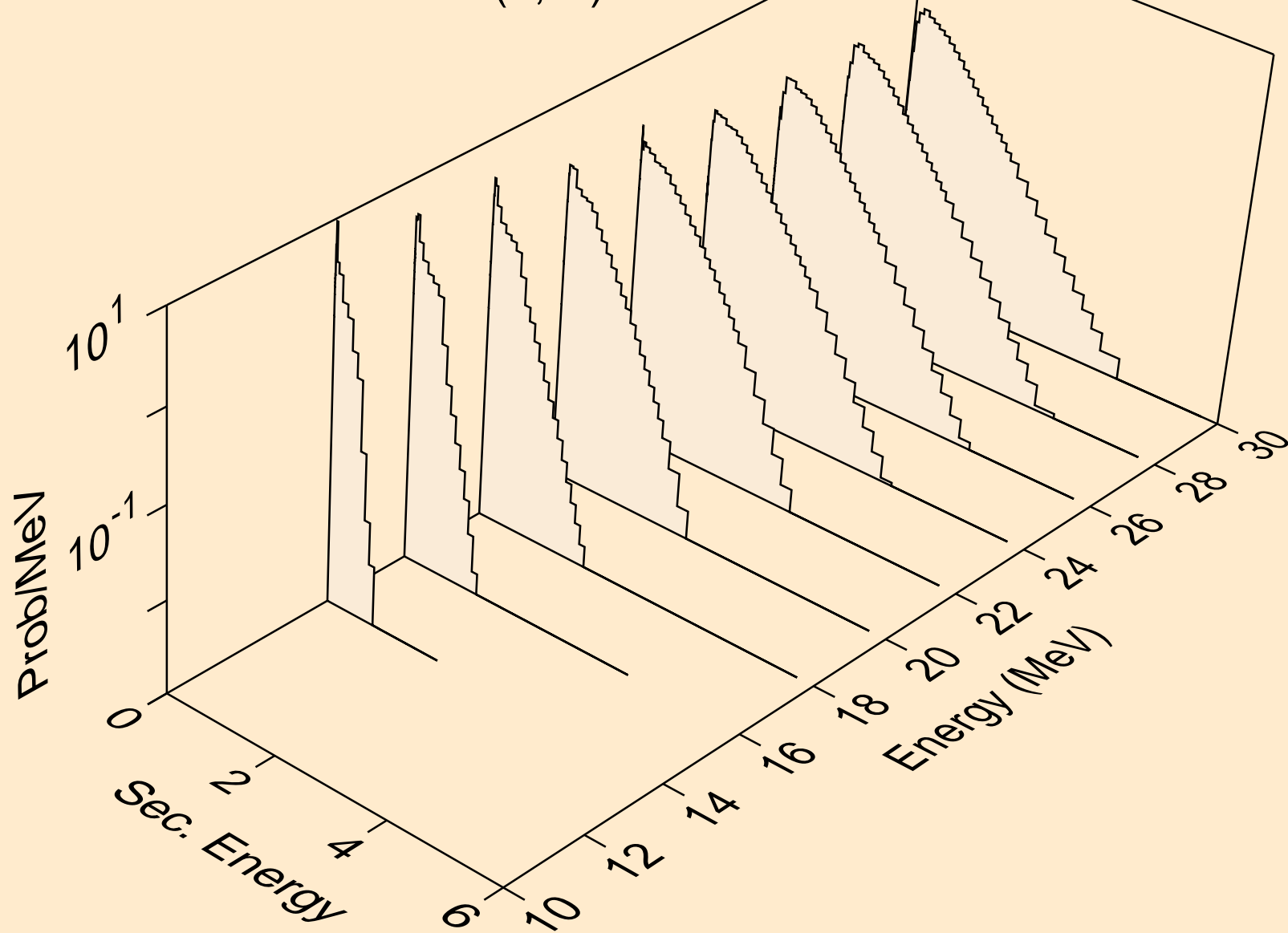




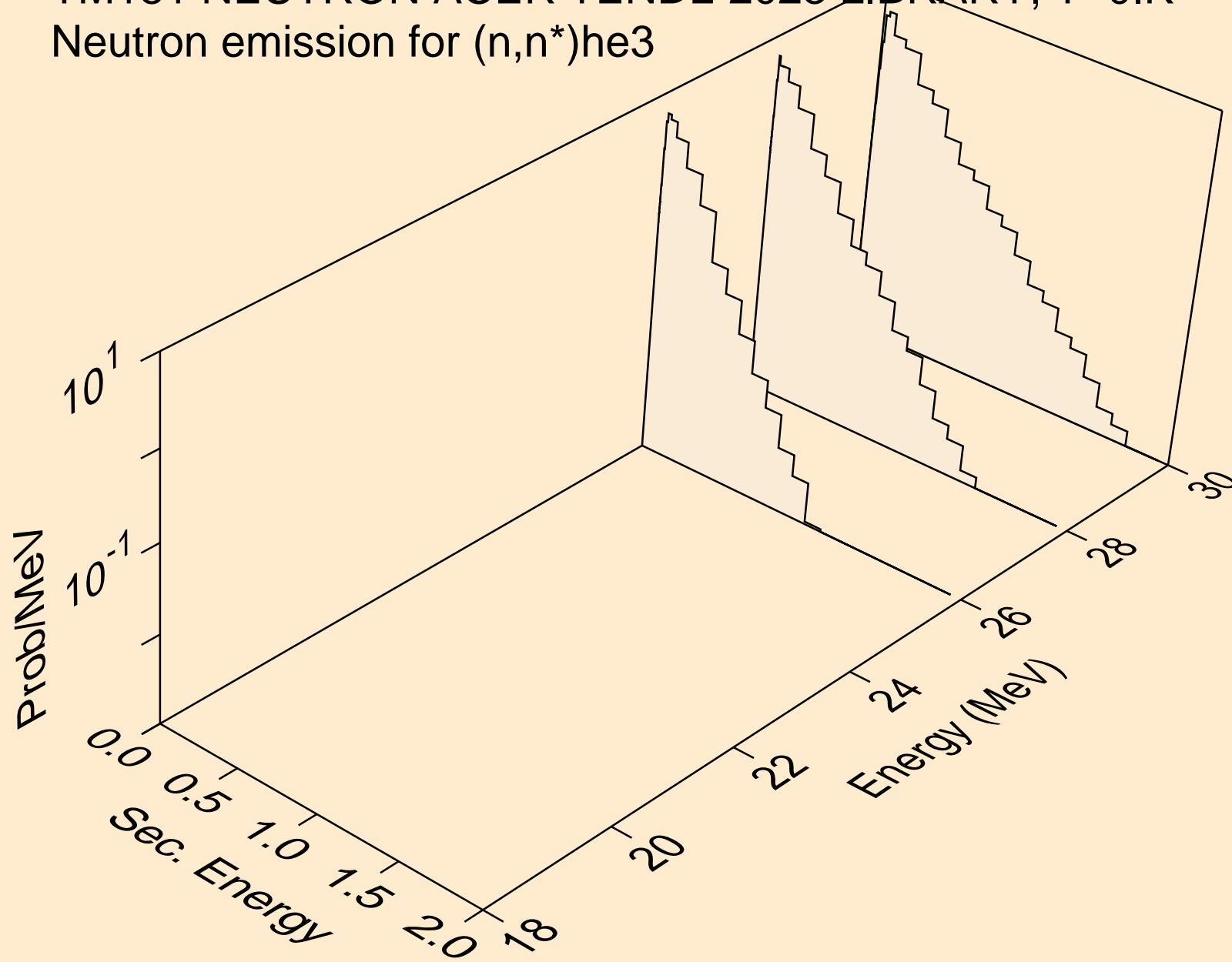
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



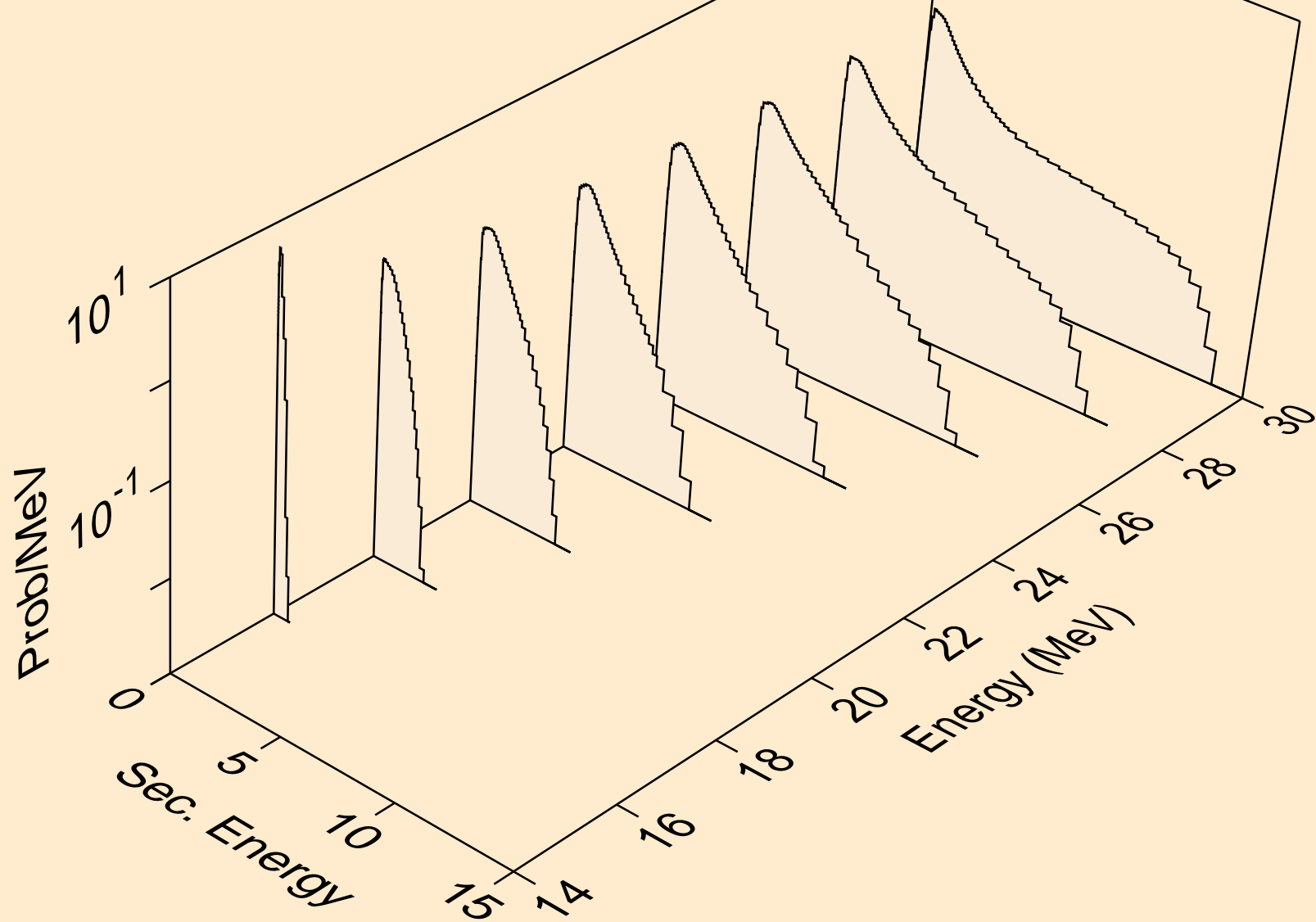
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



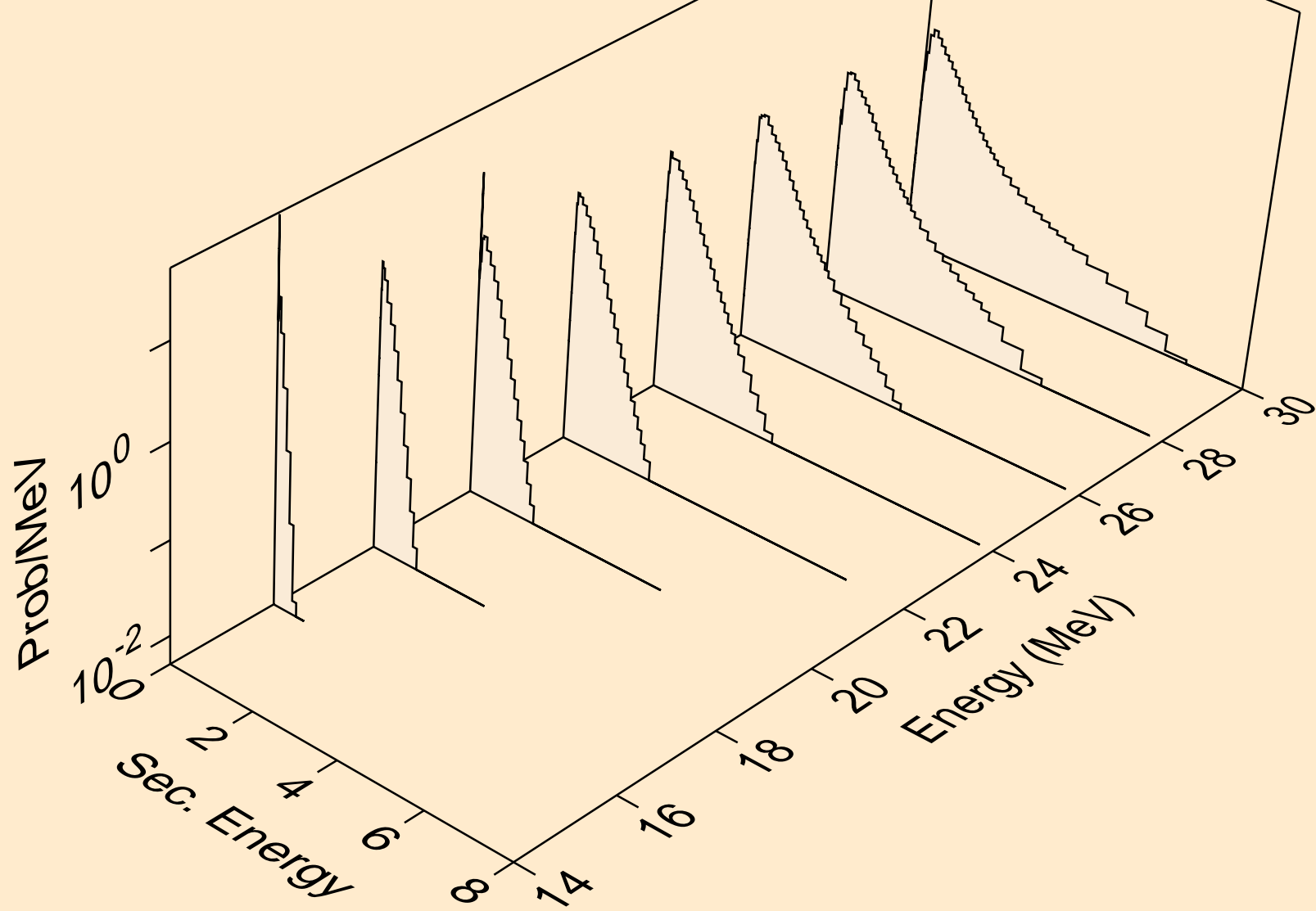
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



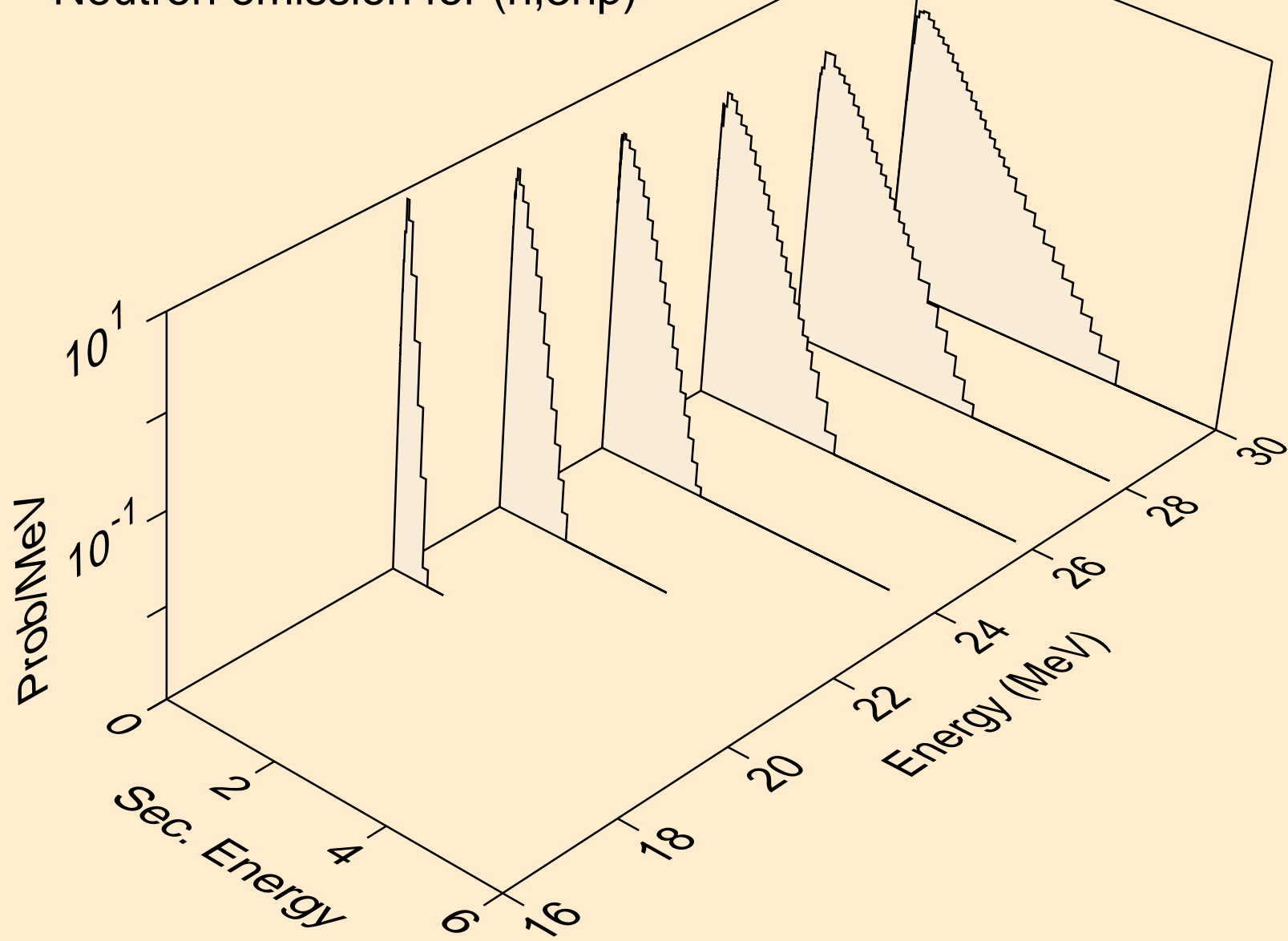
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



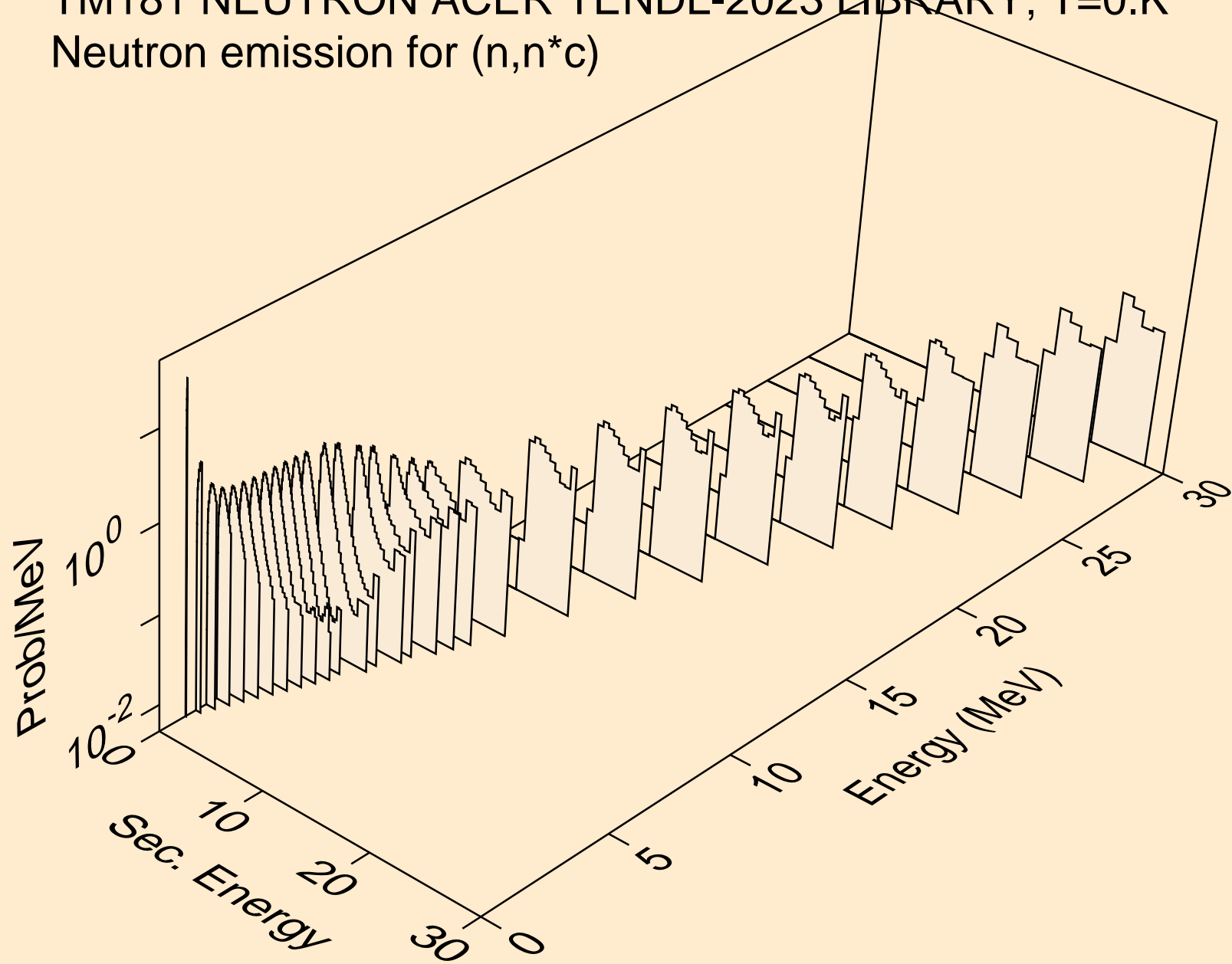
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



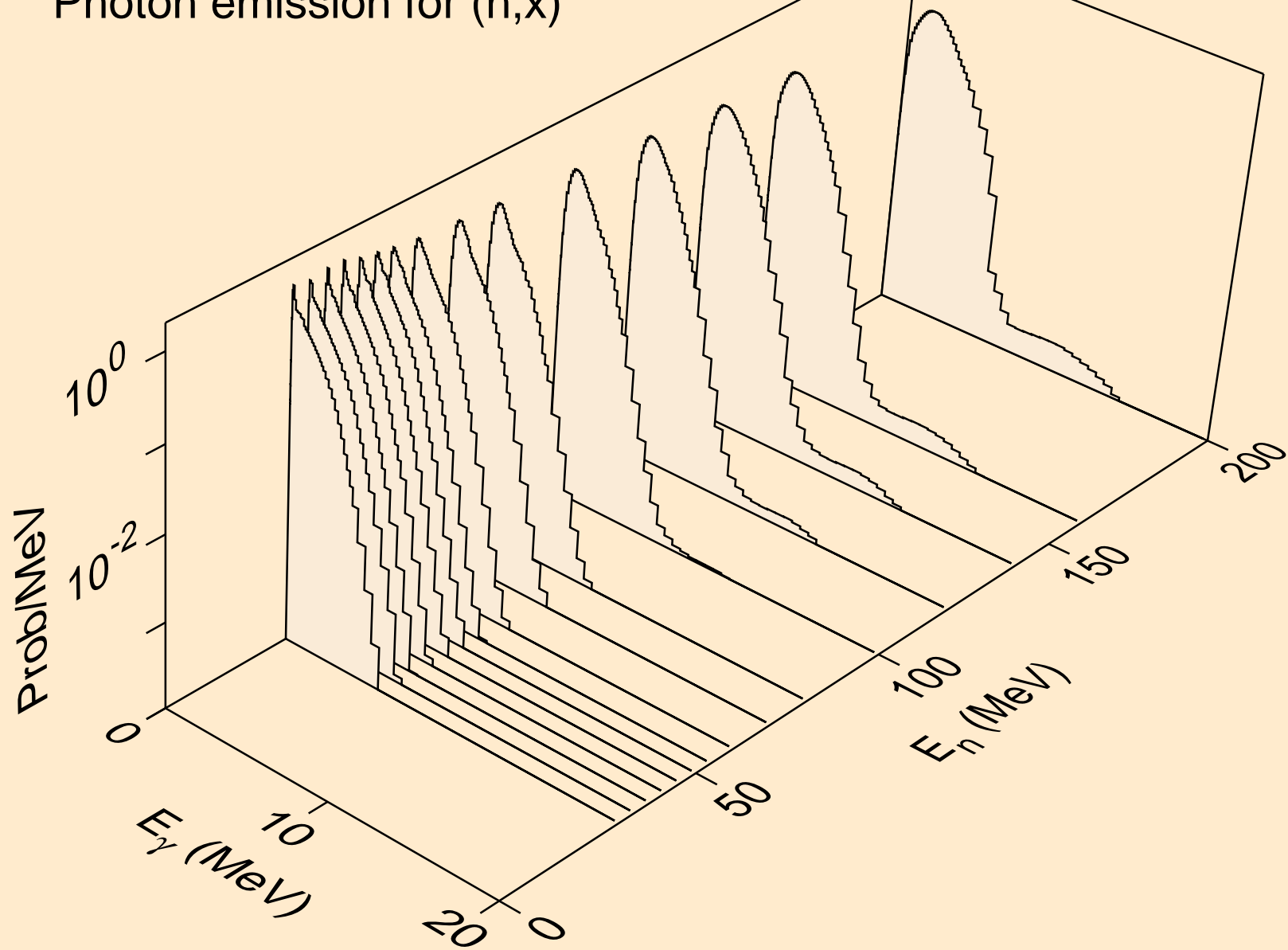
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)

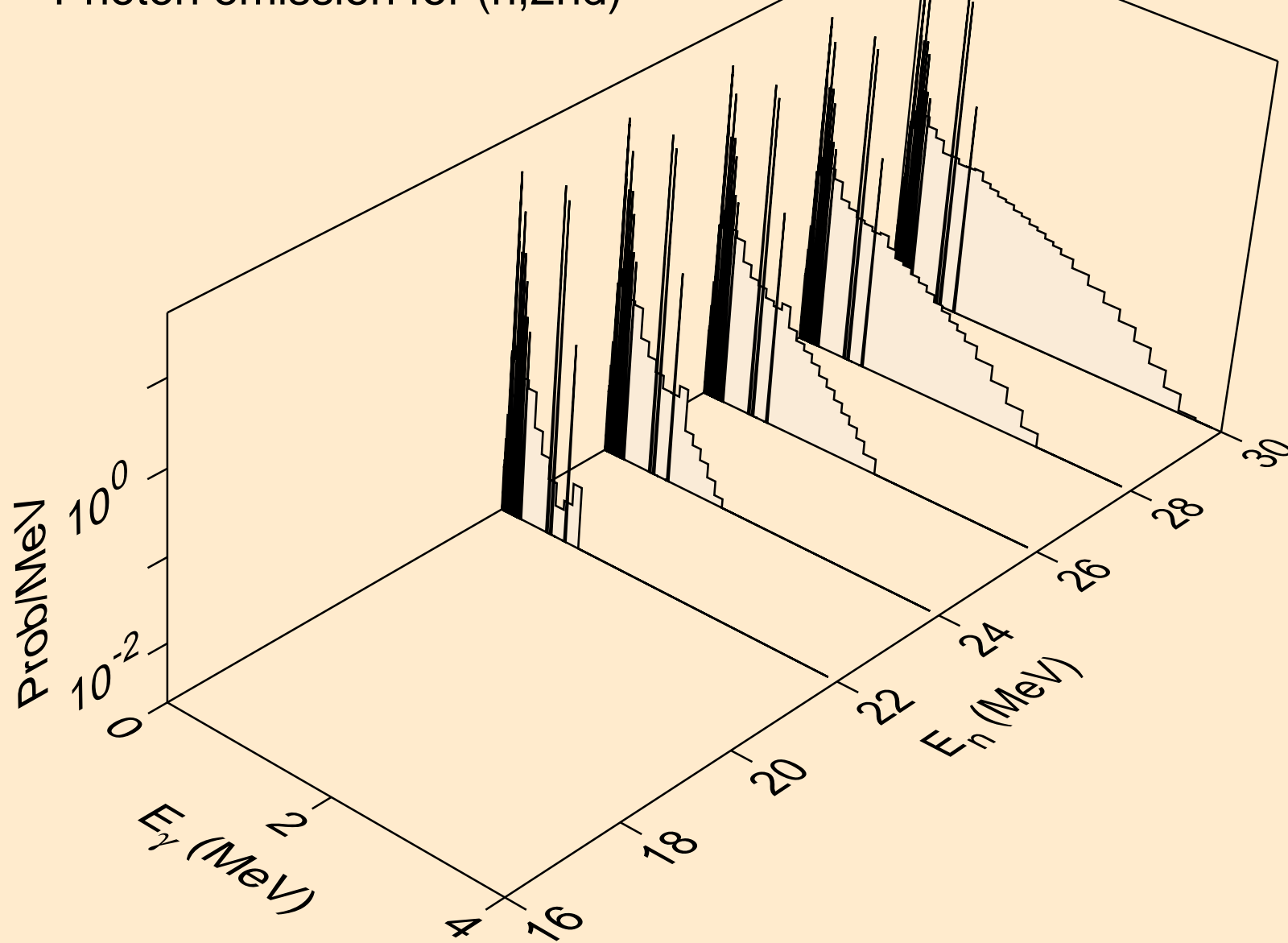


TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)

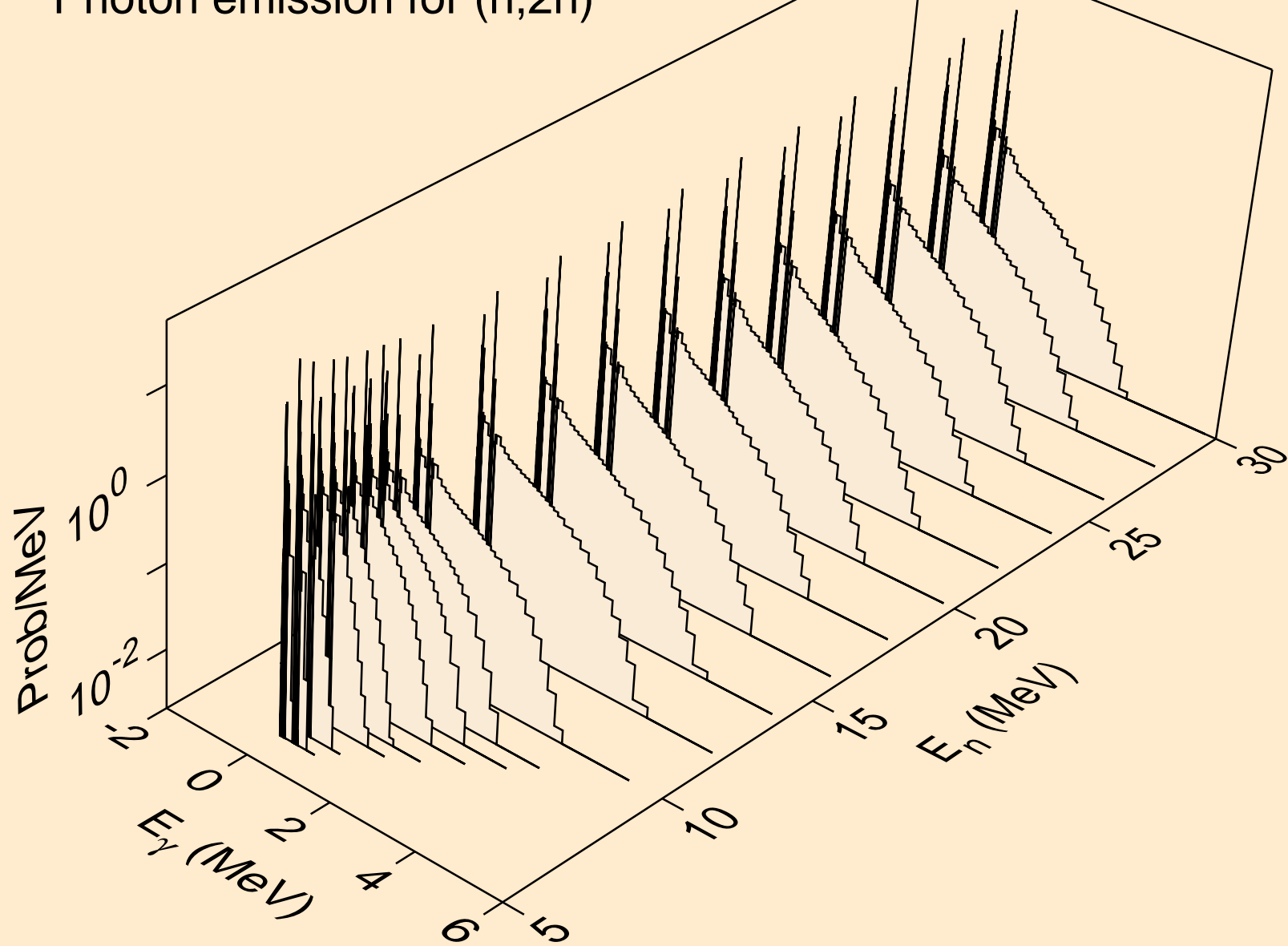




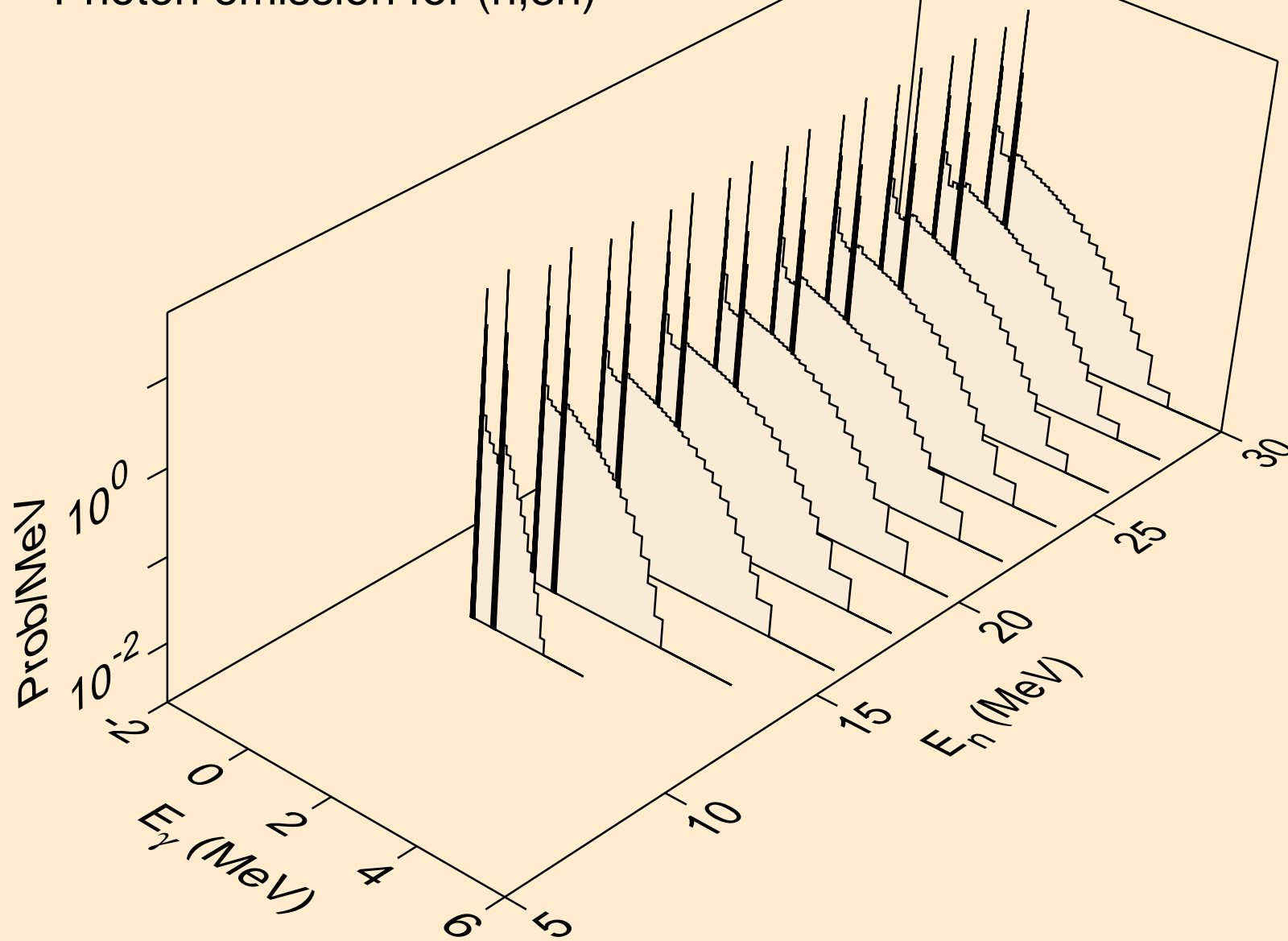
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



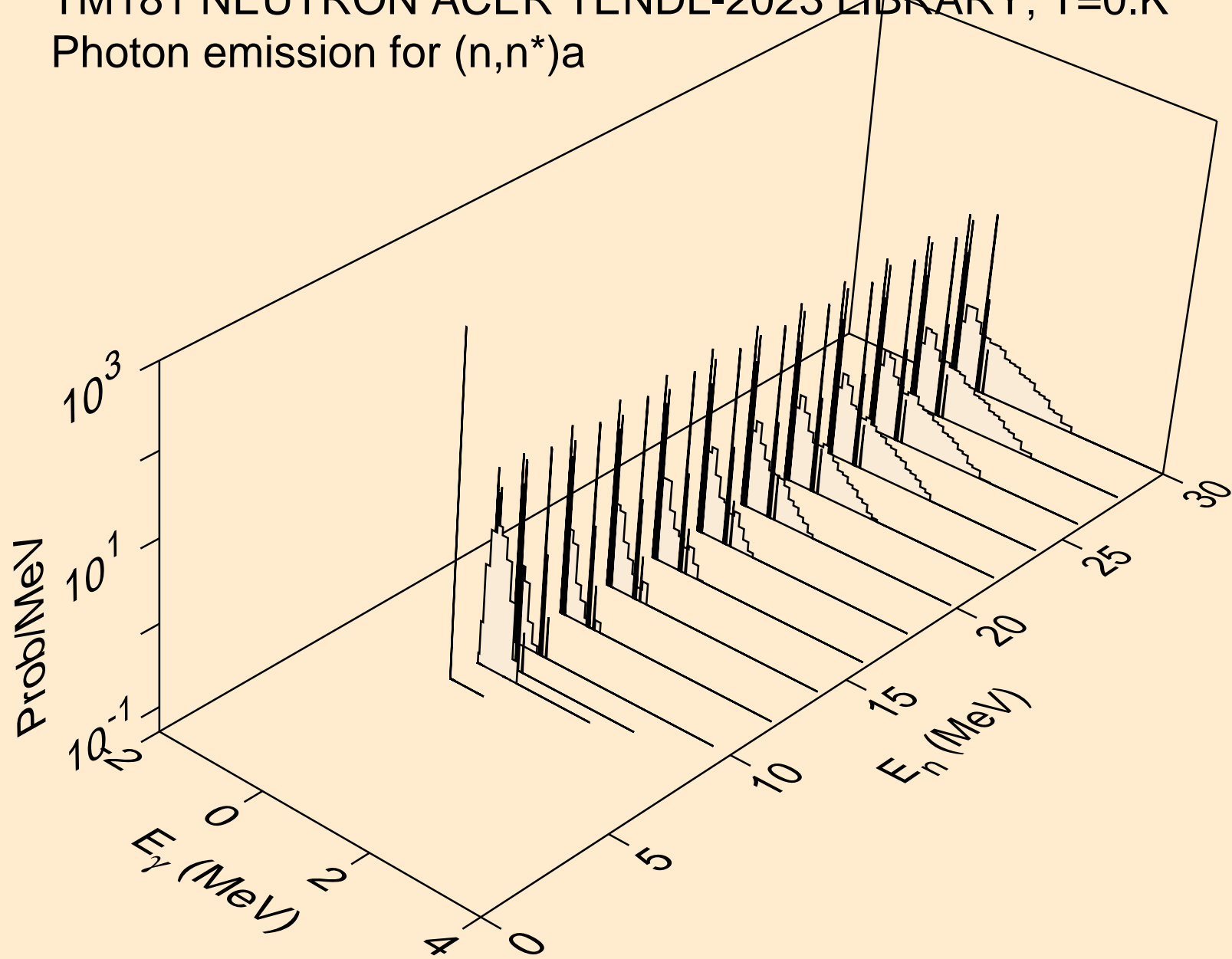
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



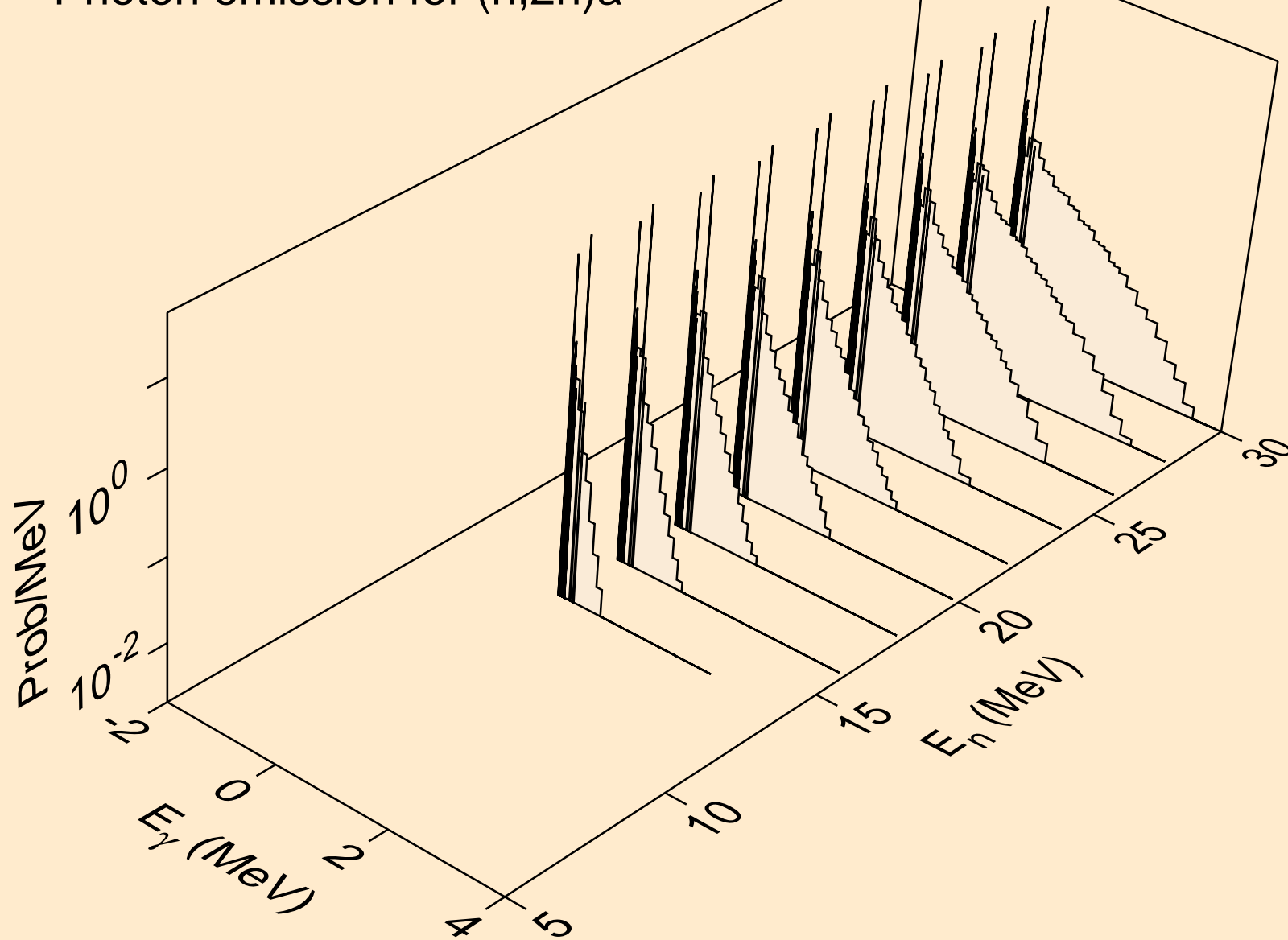
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



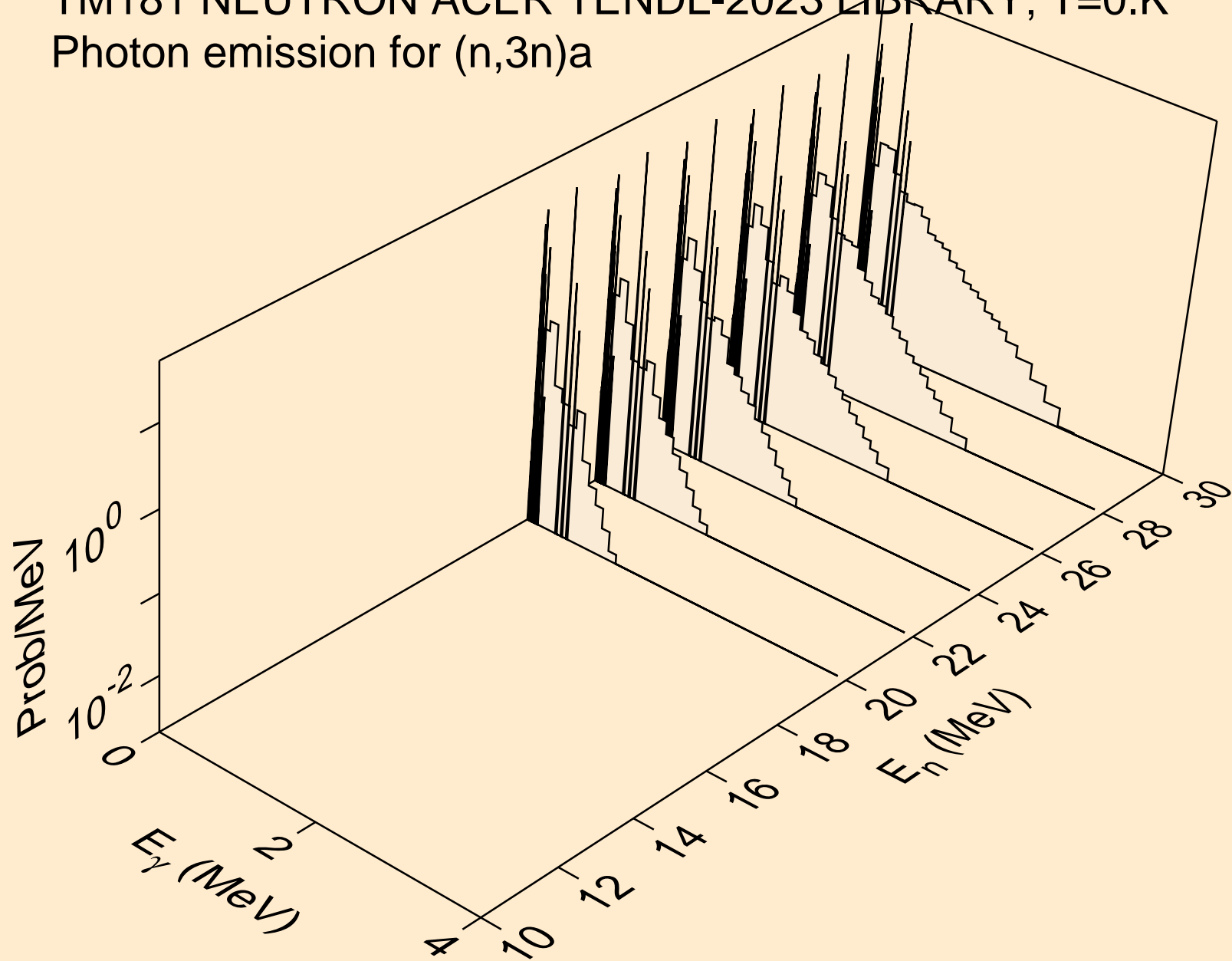
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



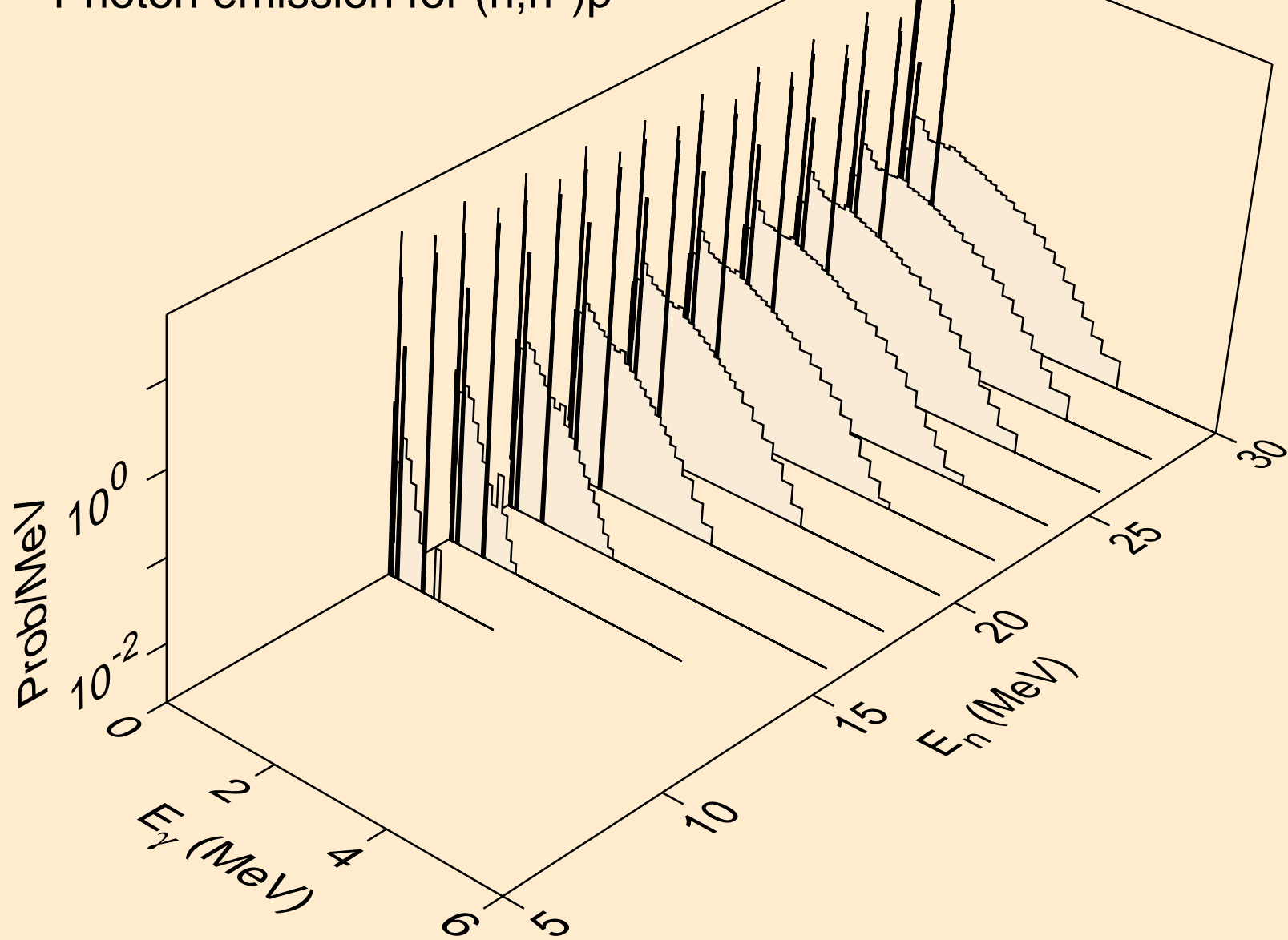
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



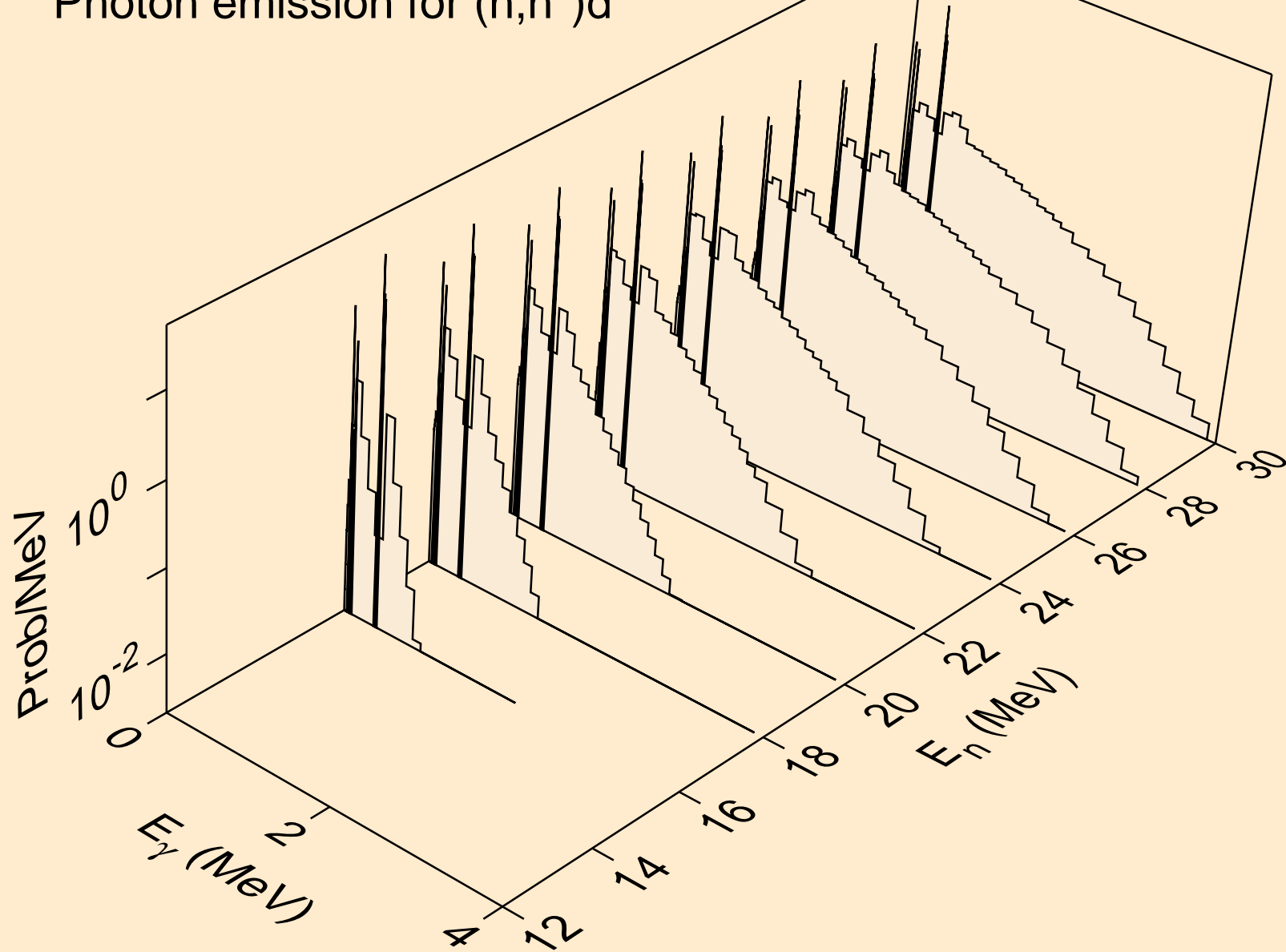
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

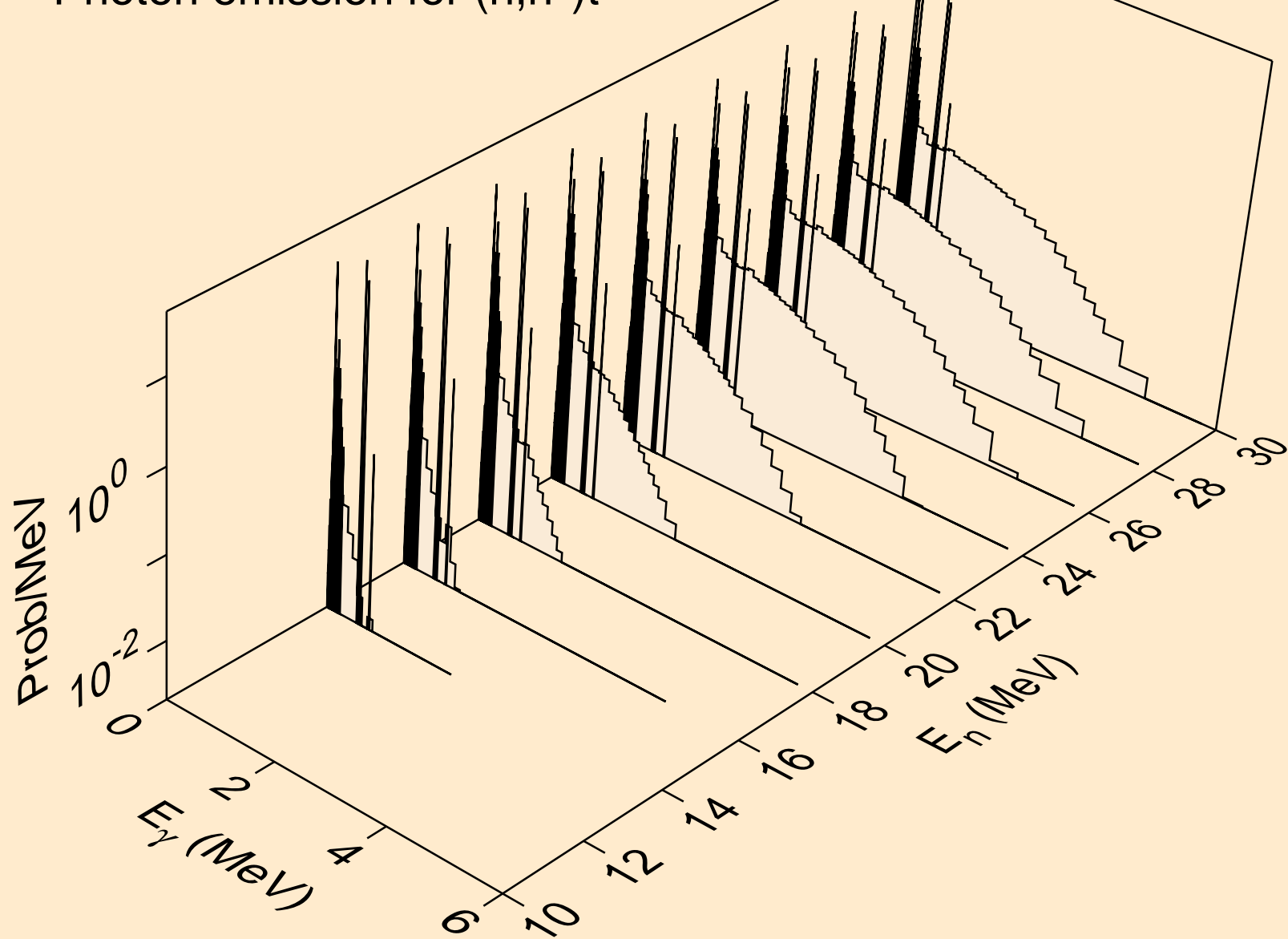


TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

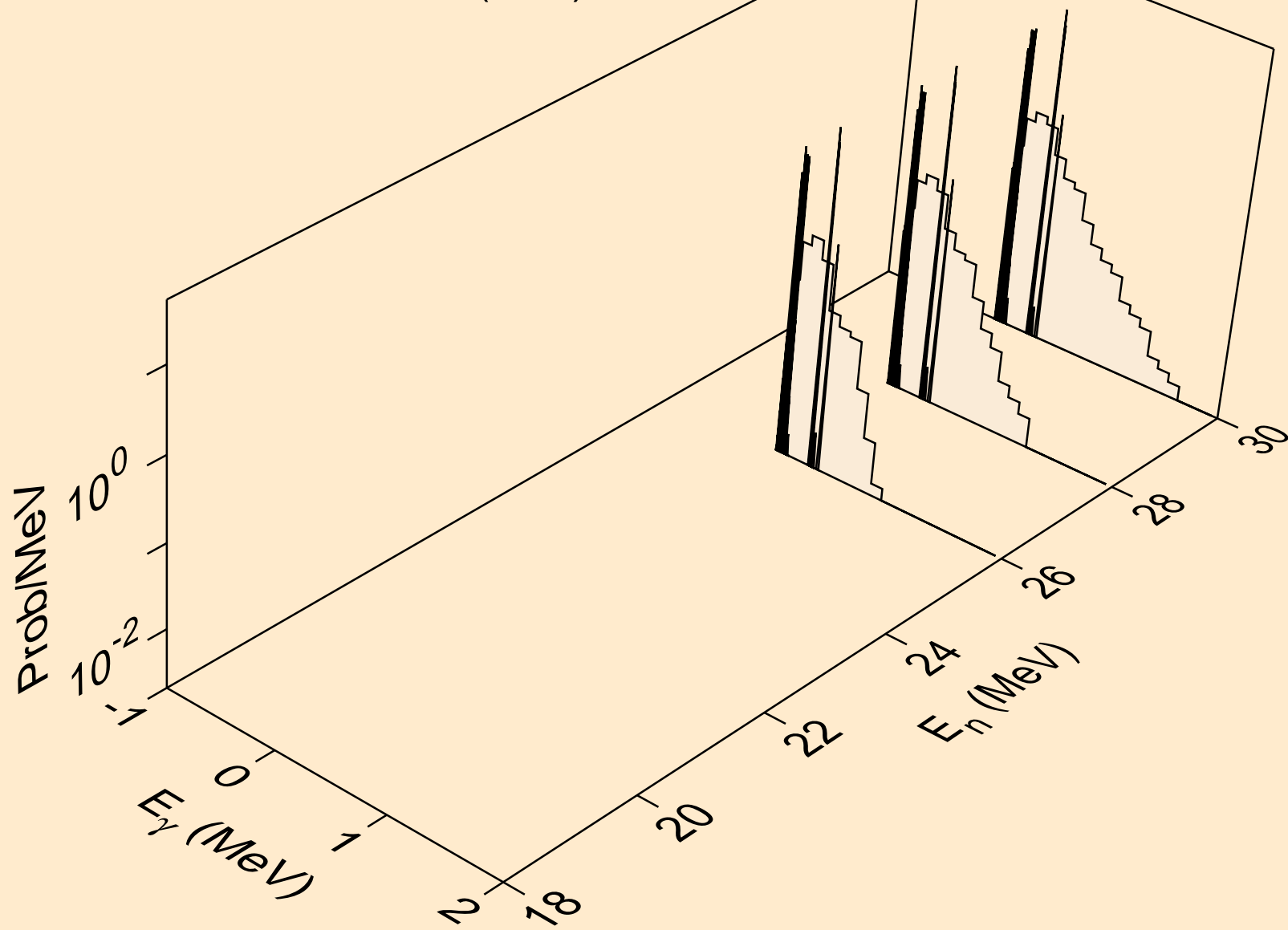




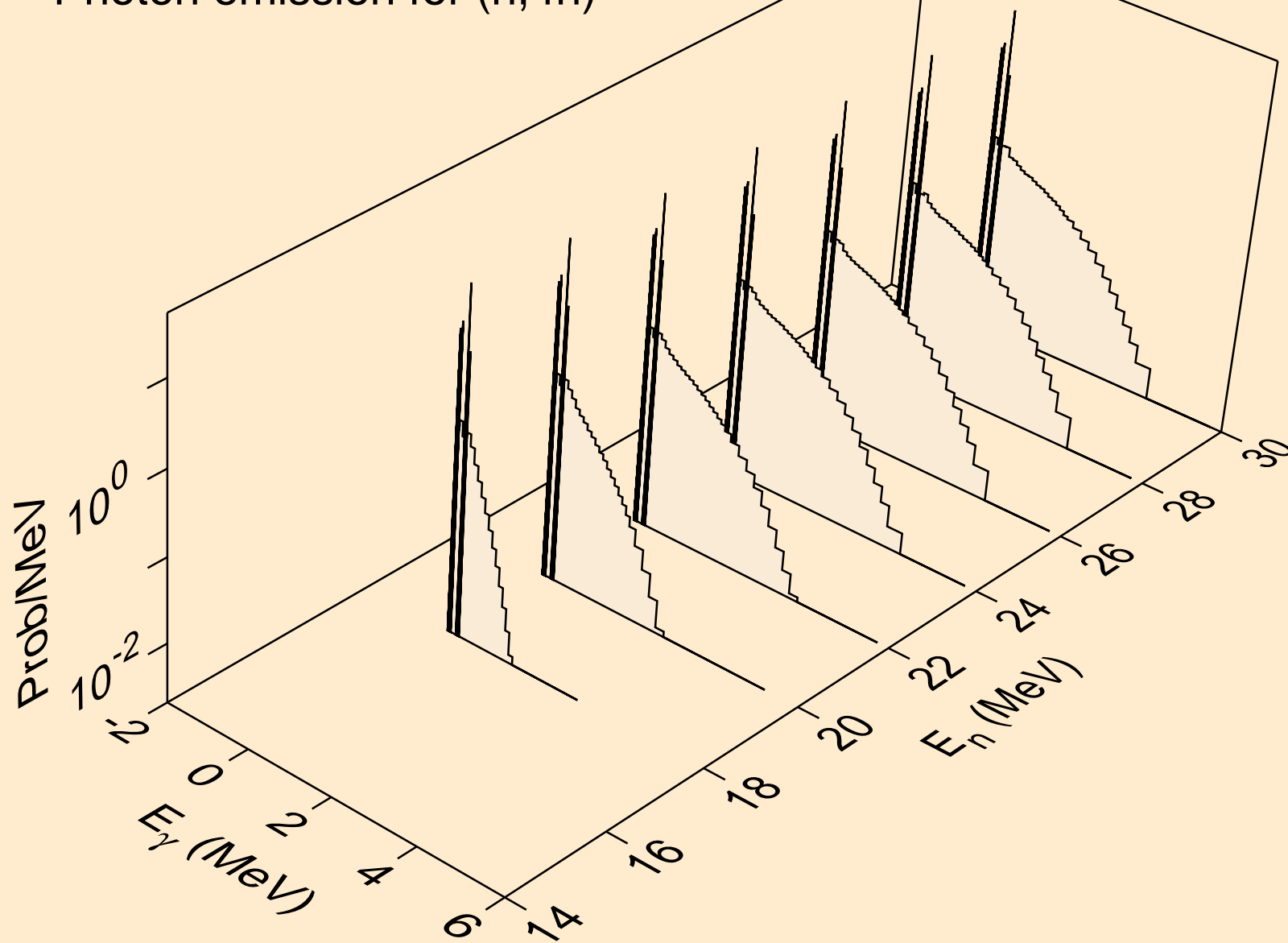
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



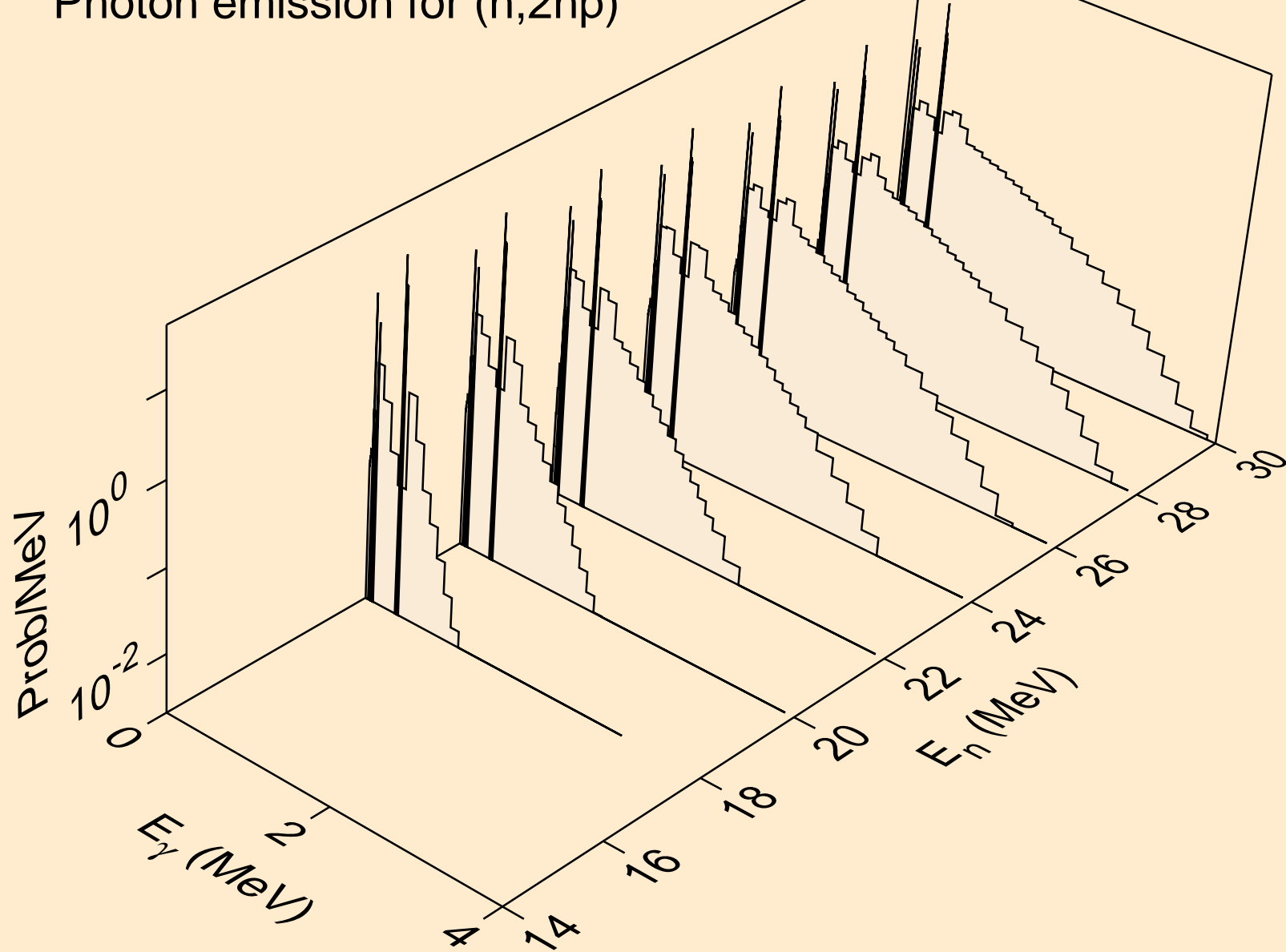
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



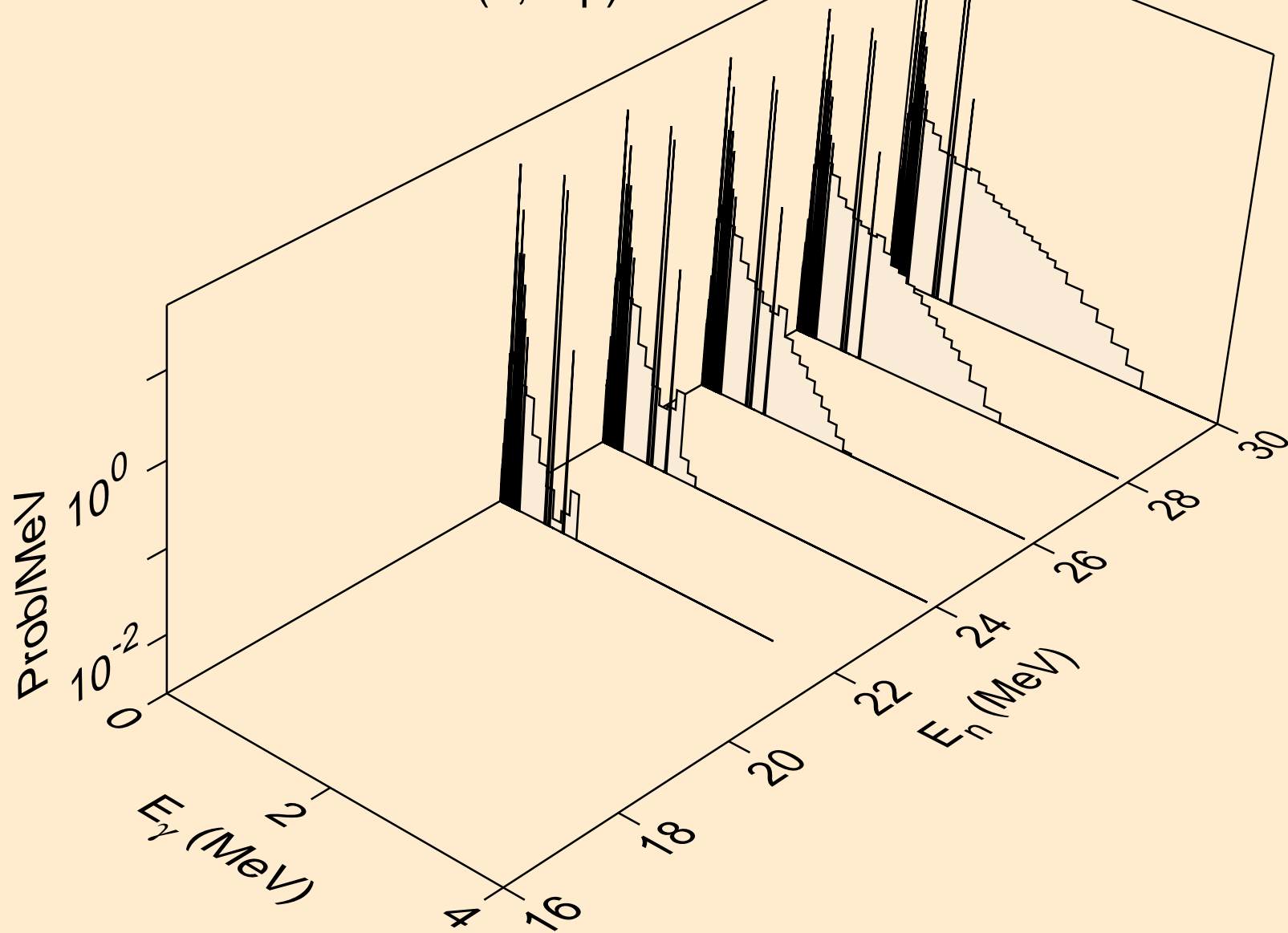
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



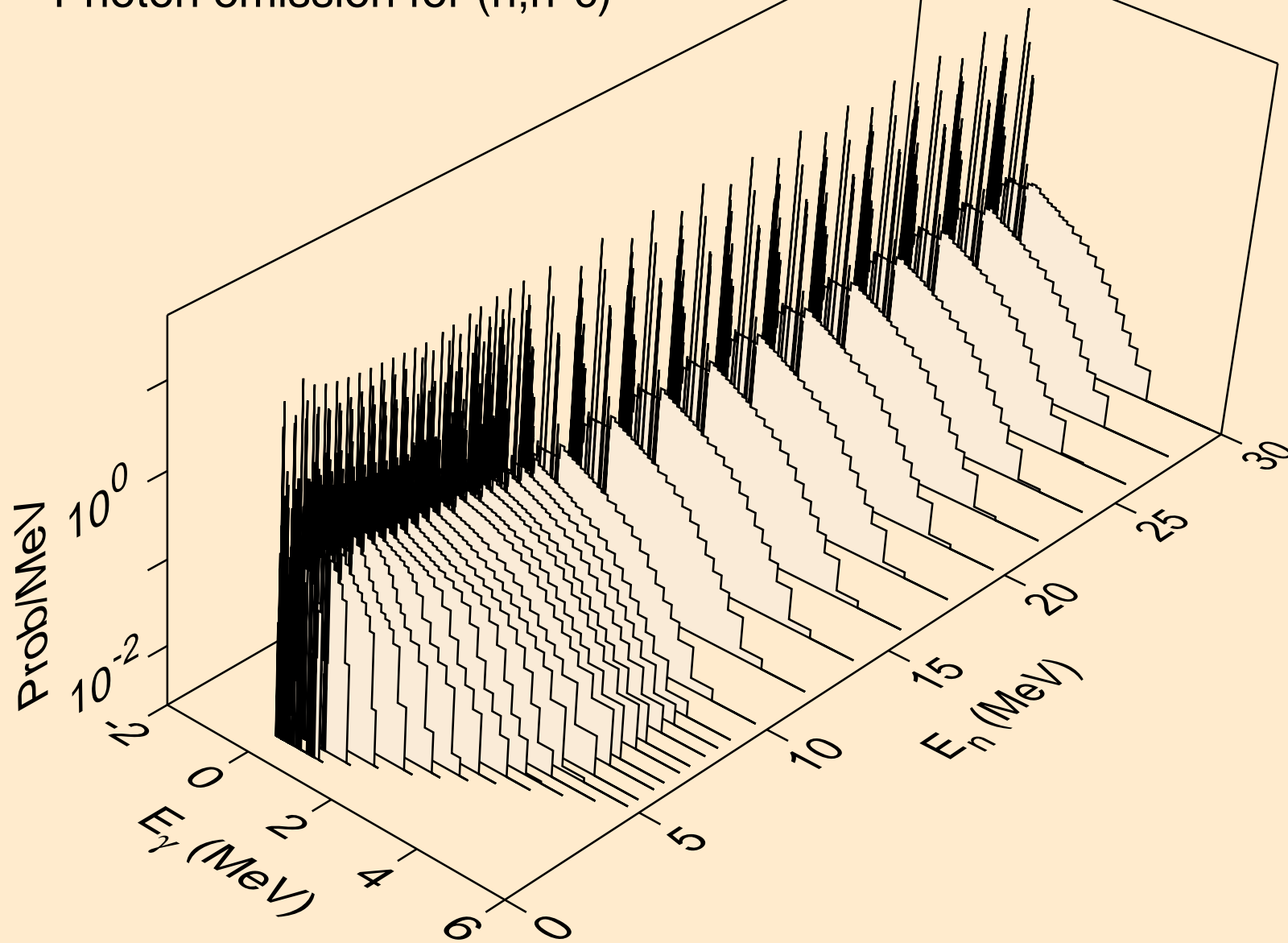
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



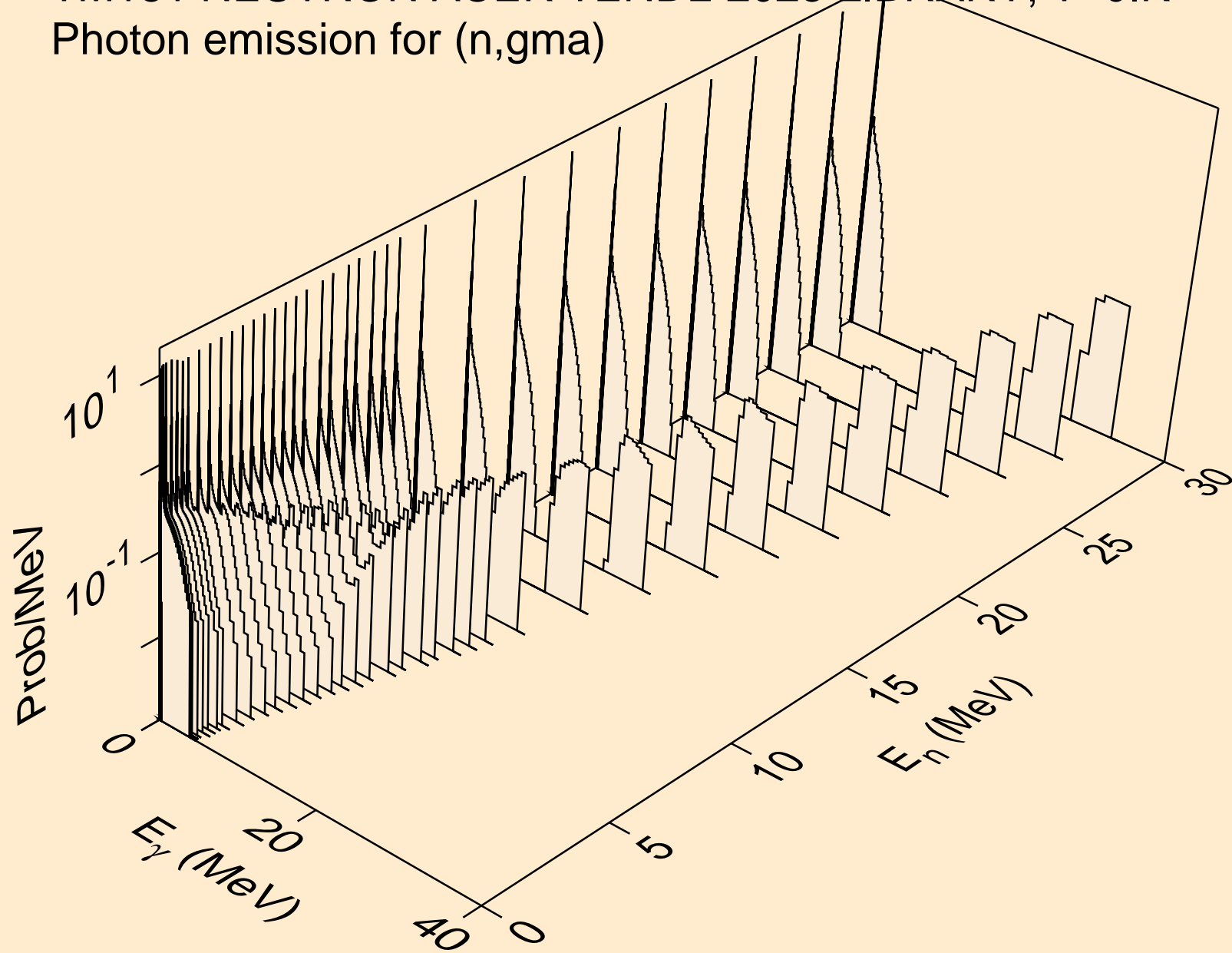
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



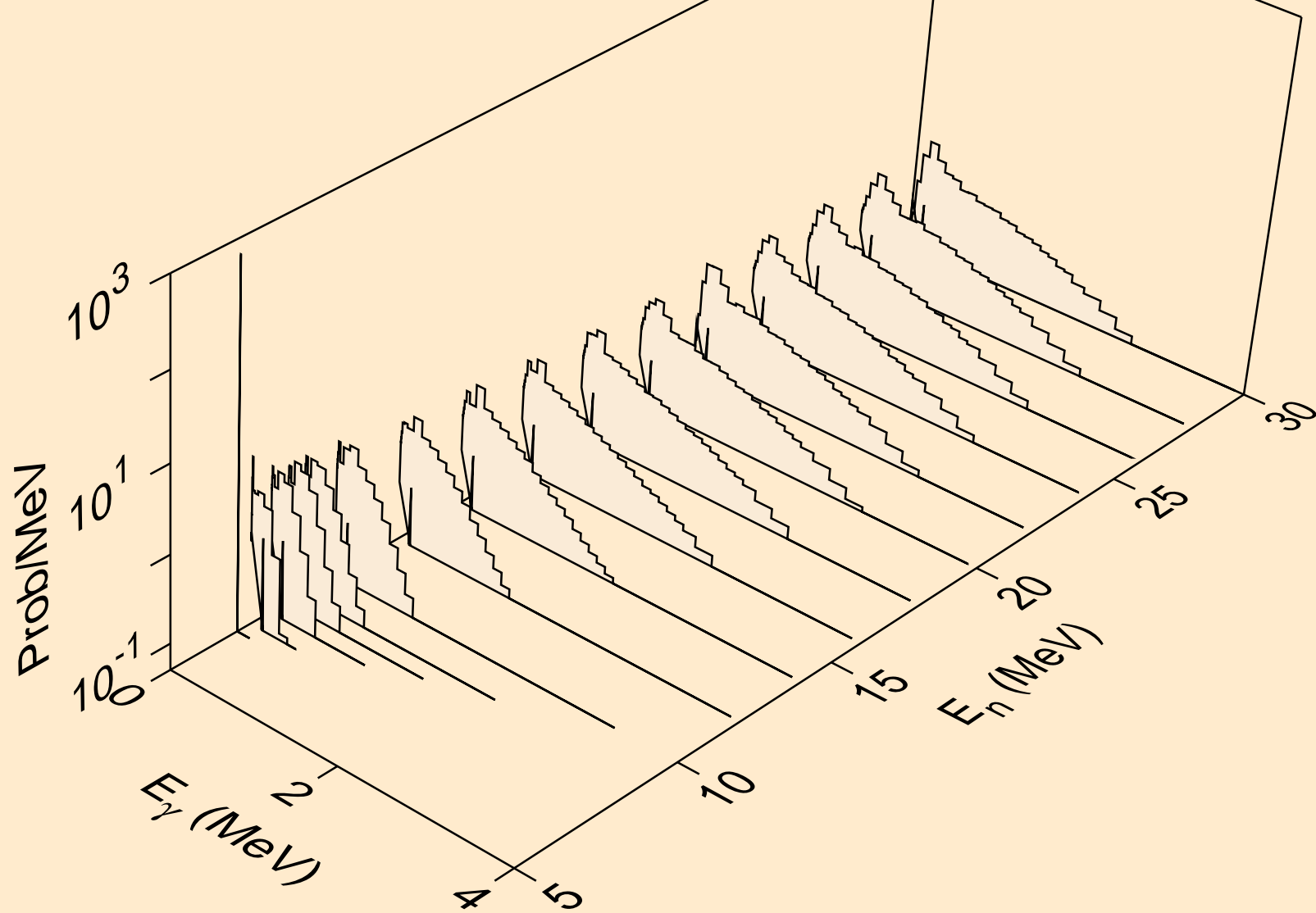
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)

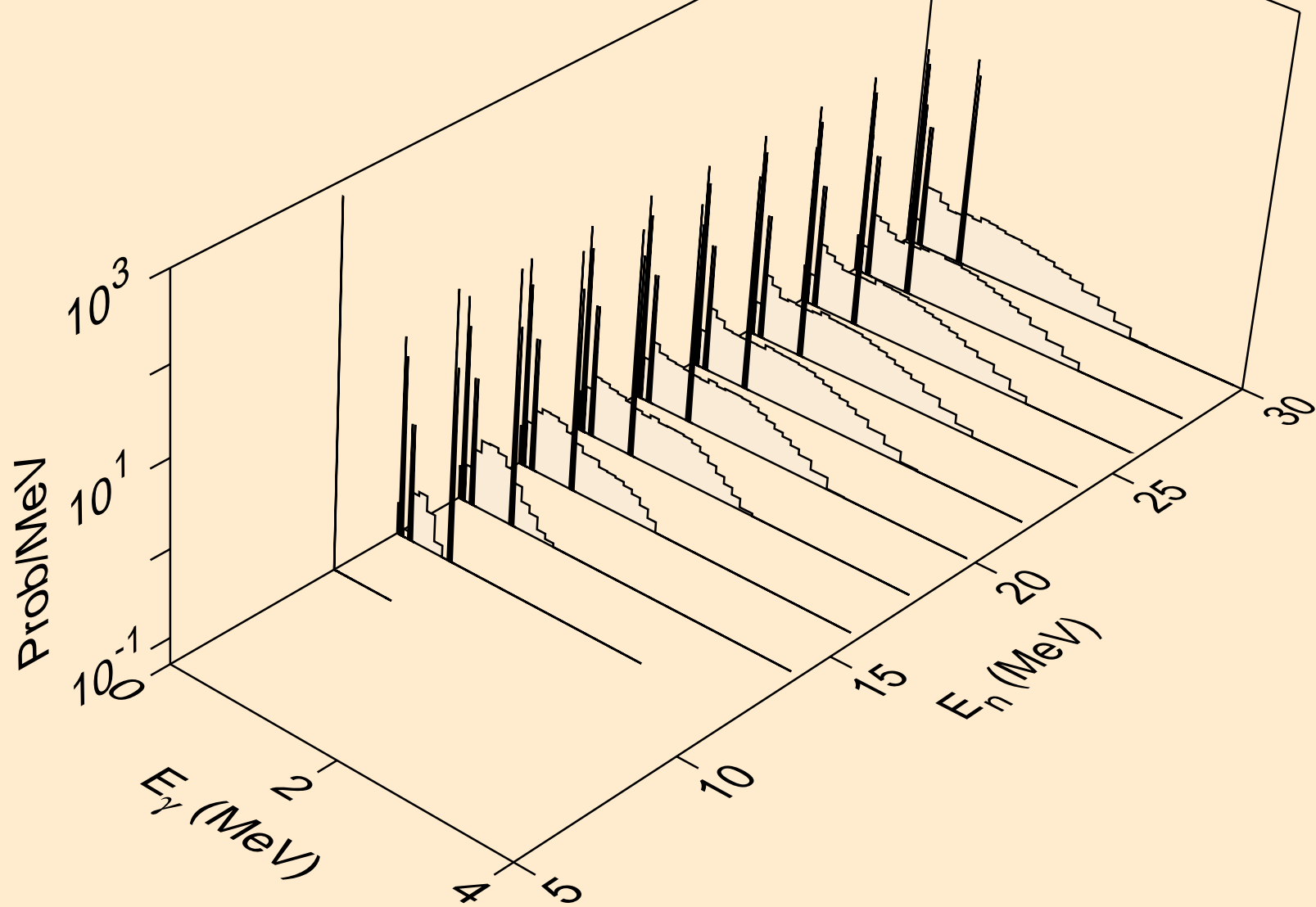


TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)

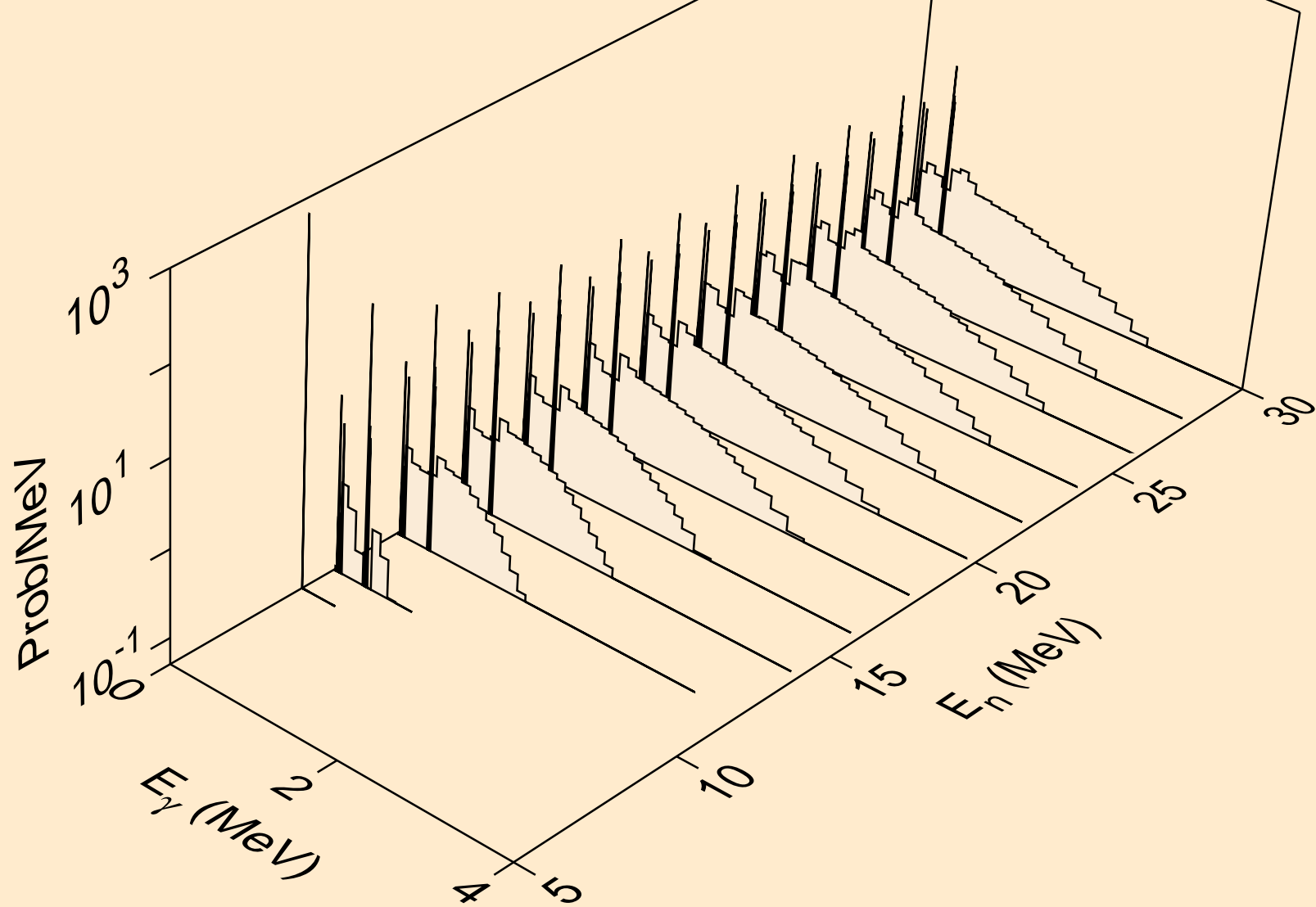




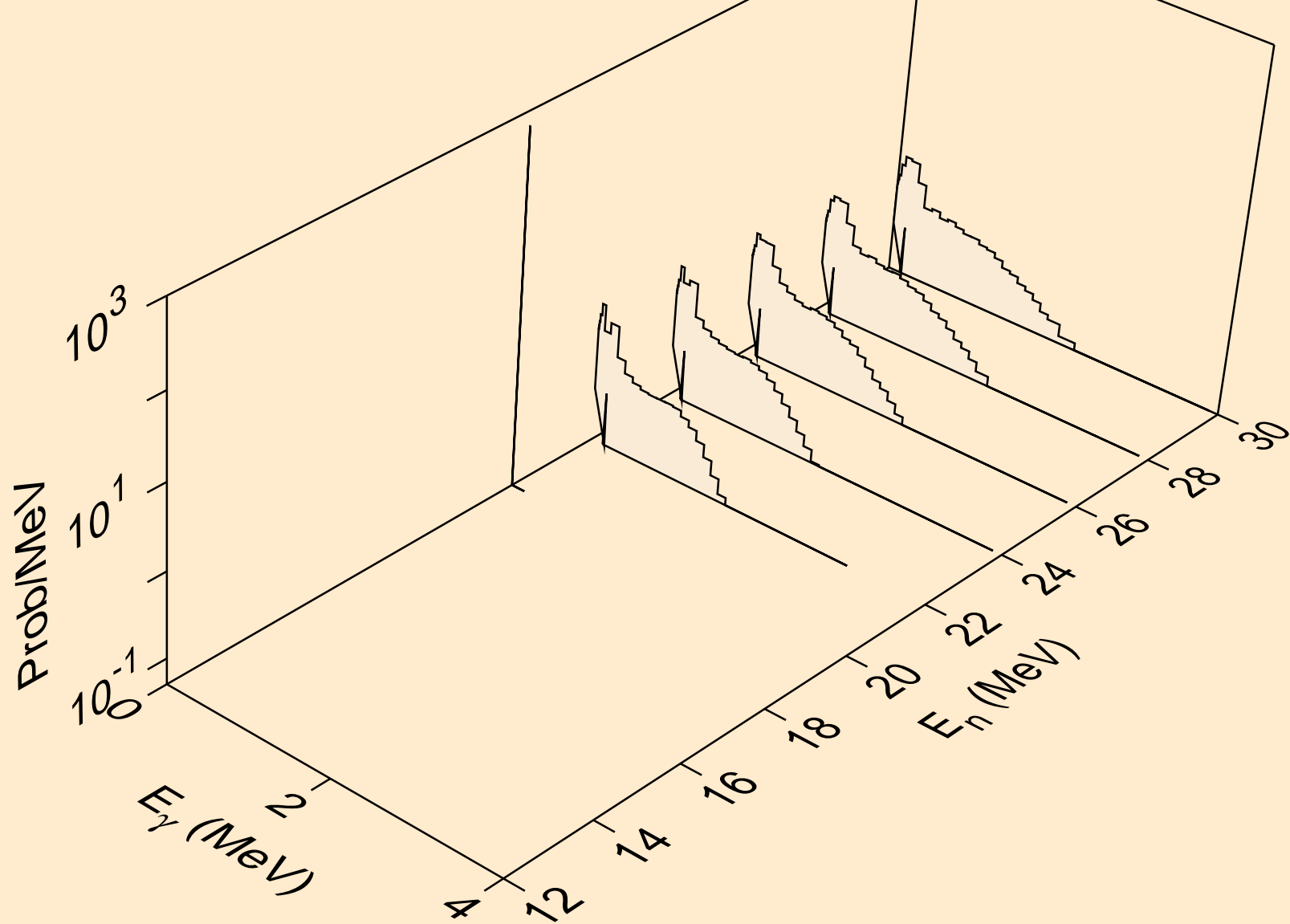
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



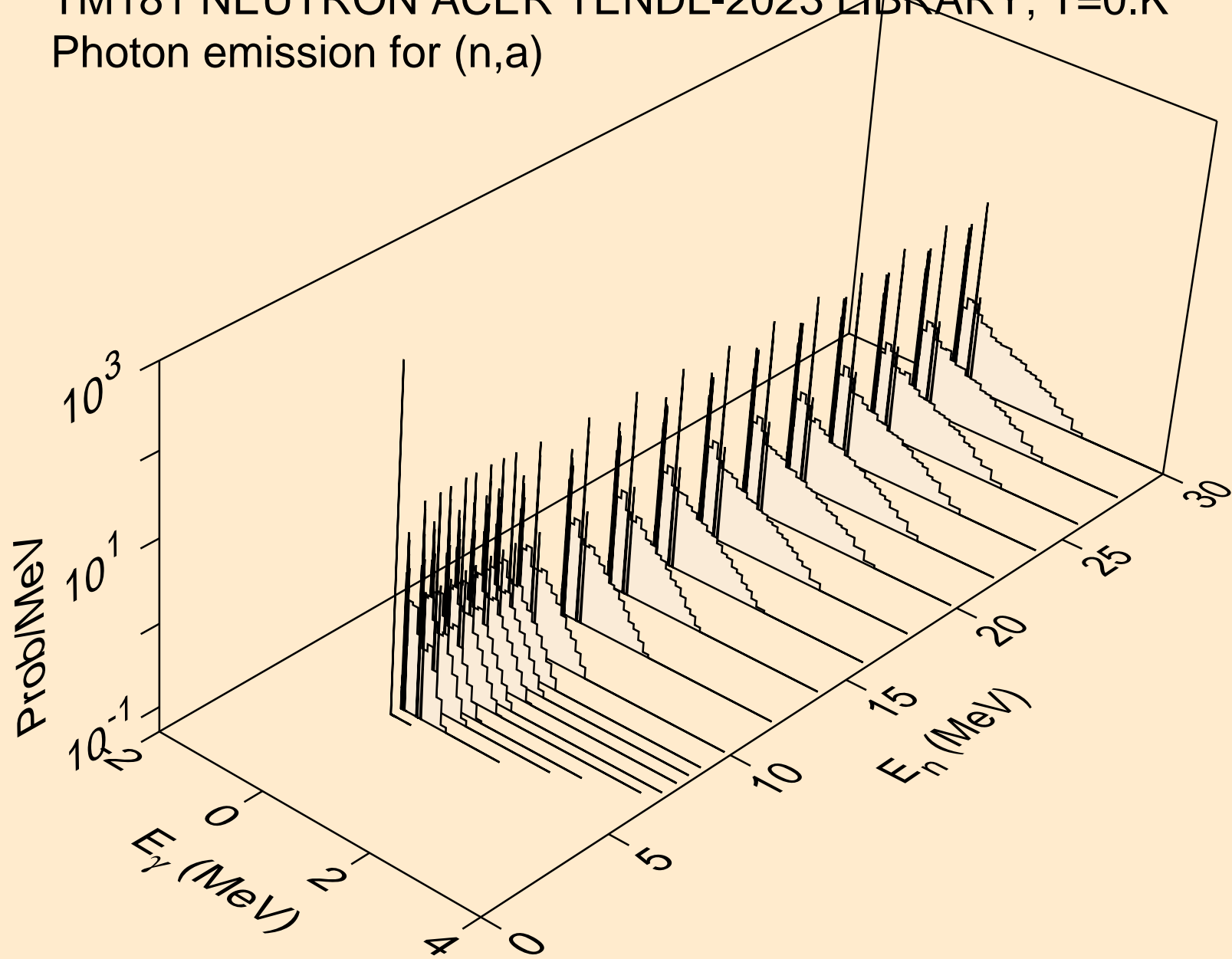
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



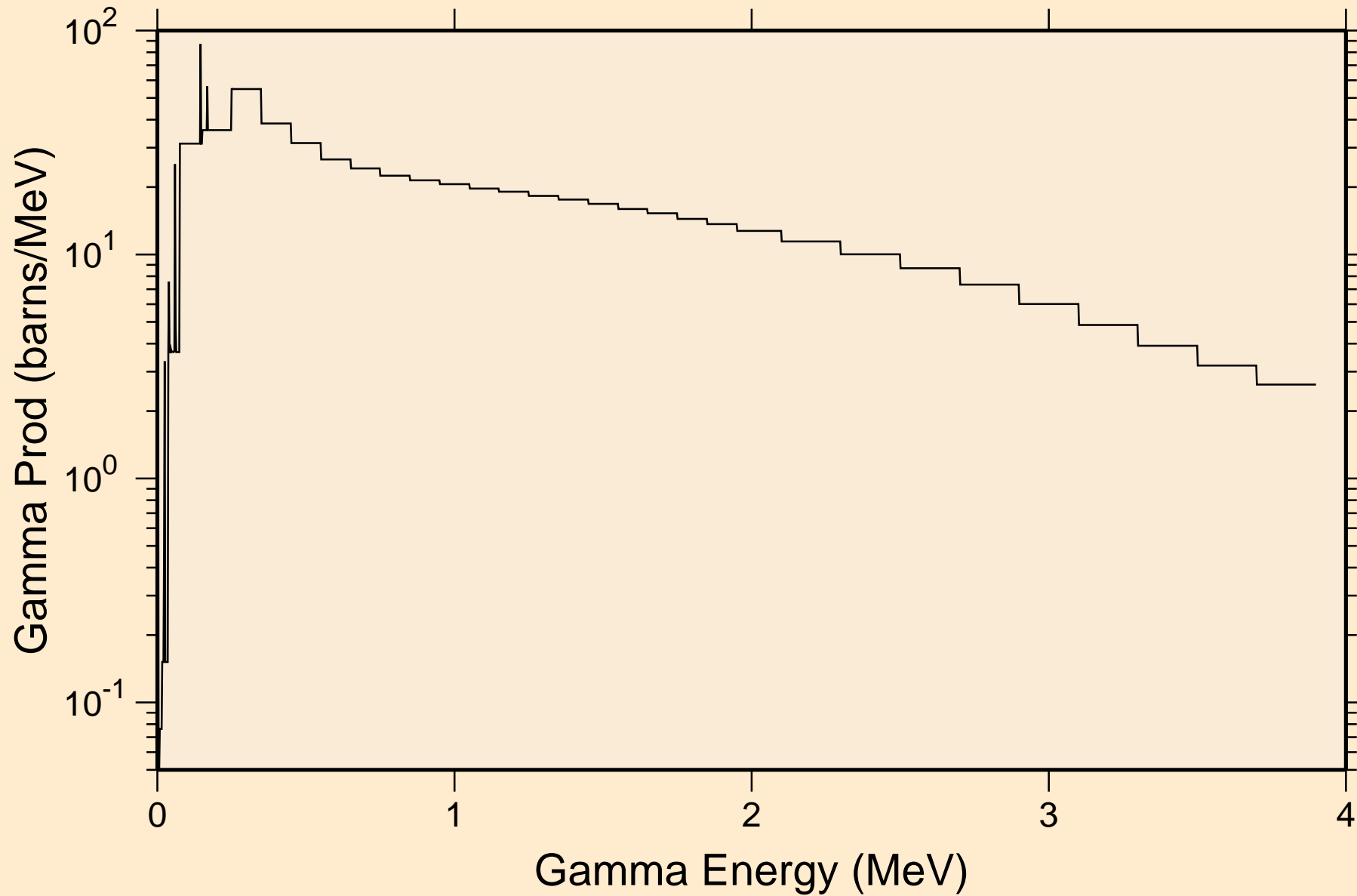
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



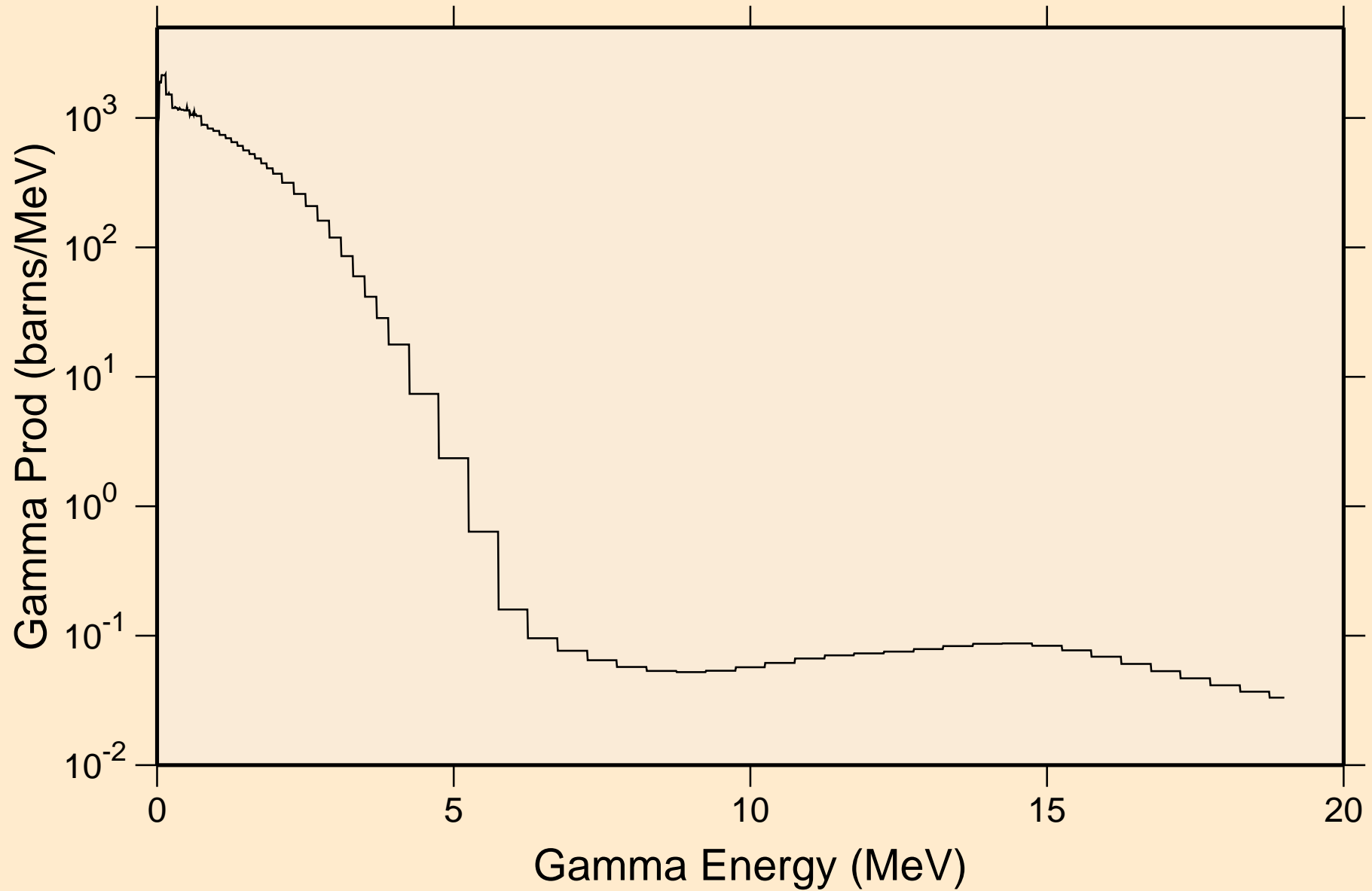
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

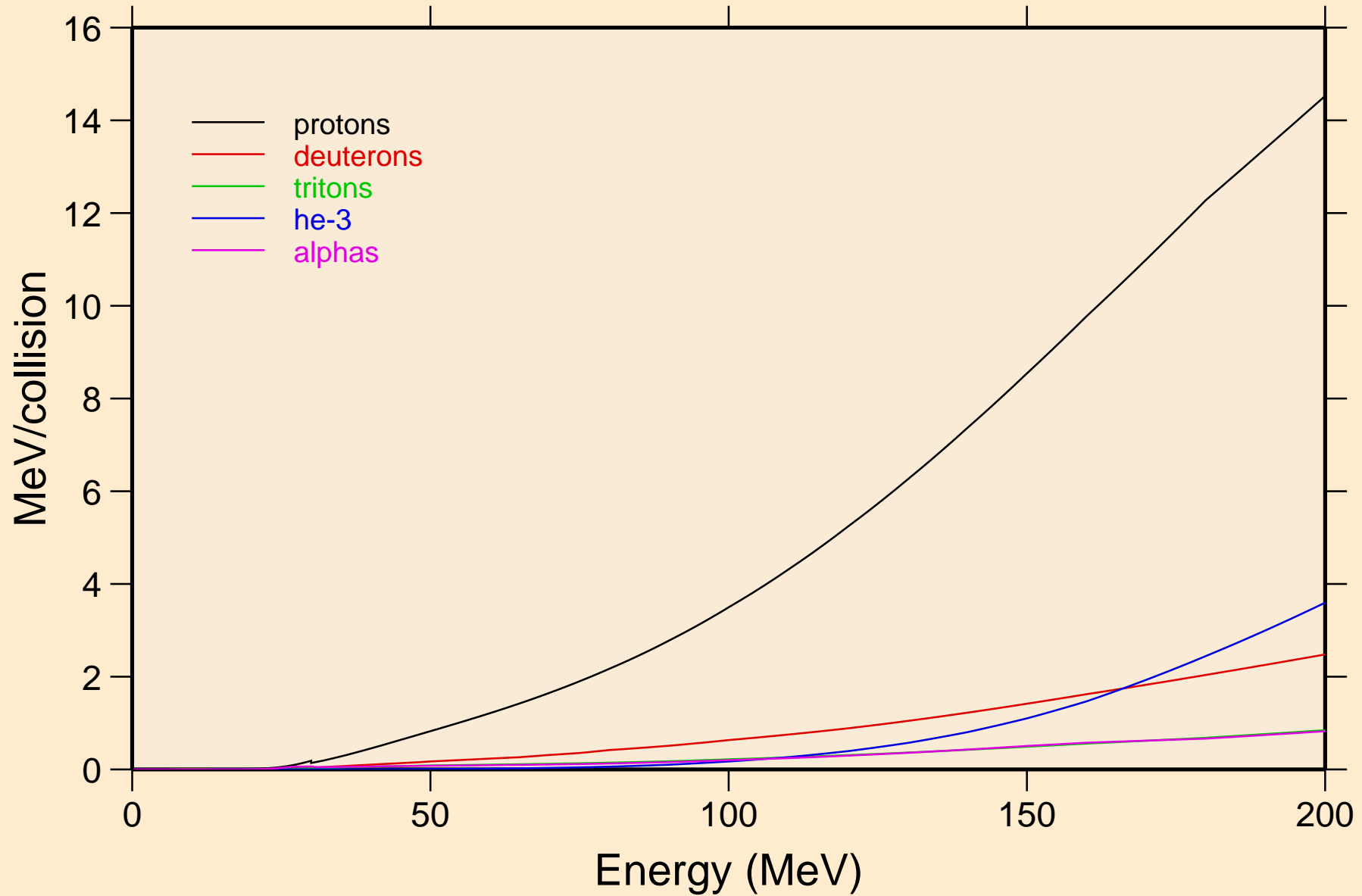


TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

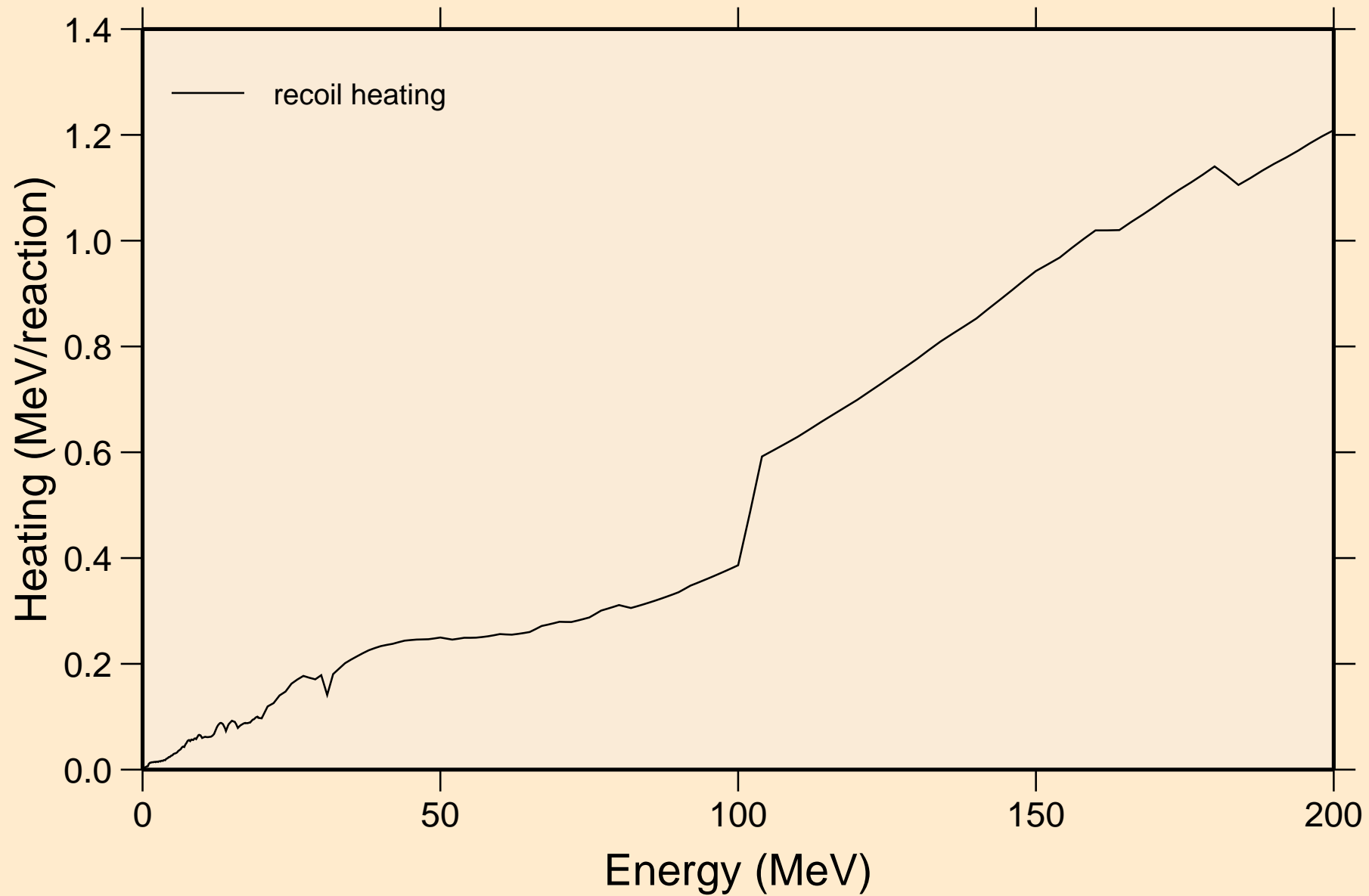


# TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

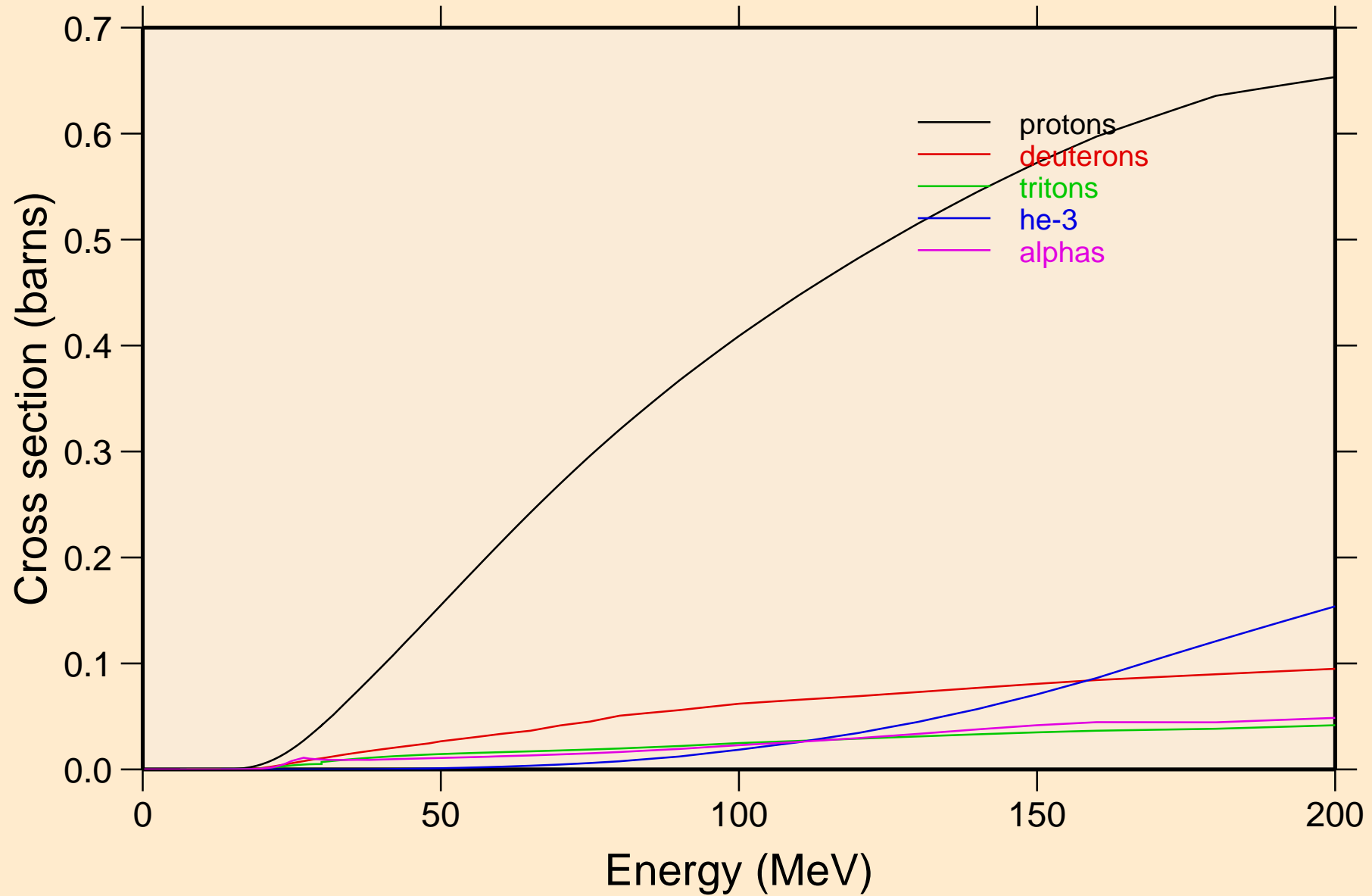


TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

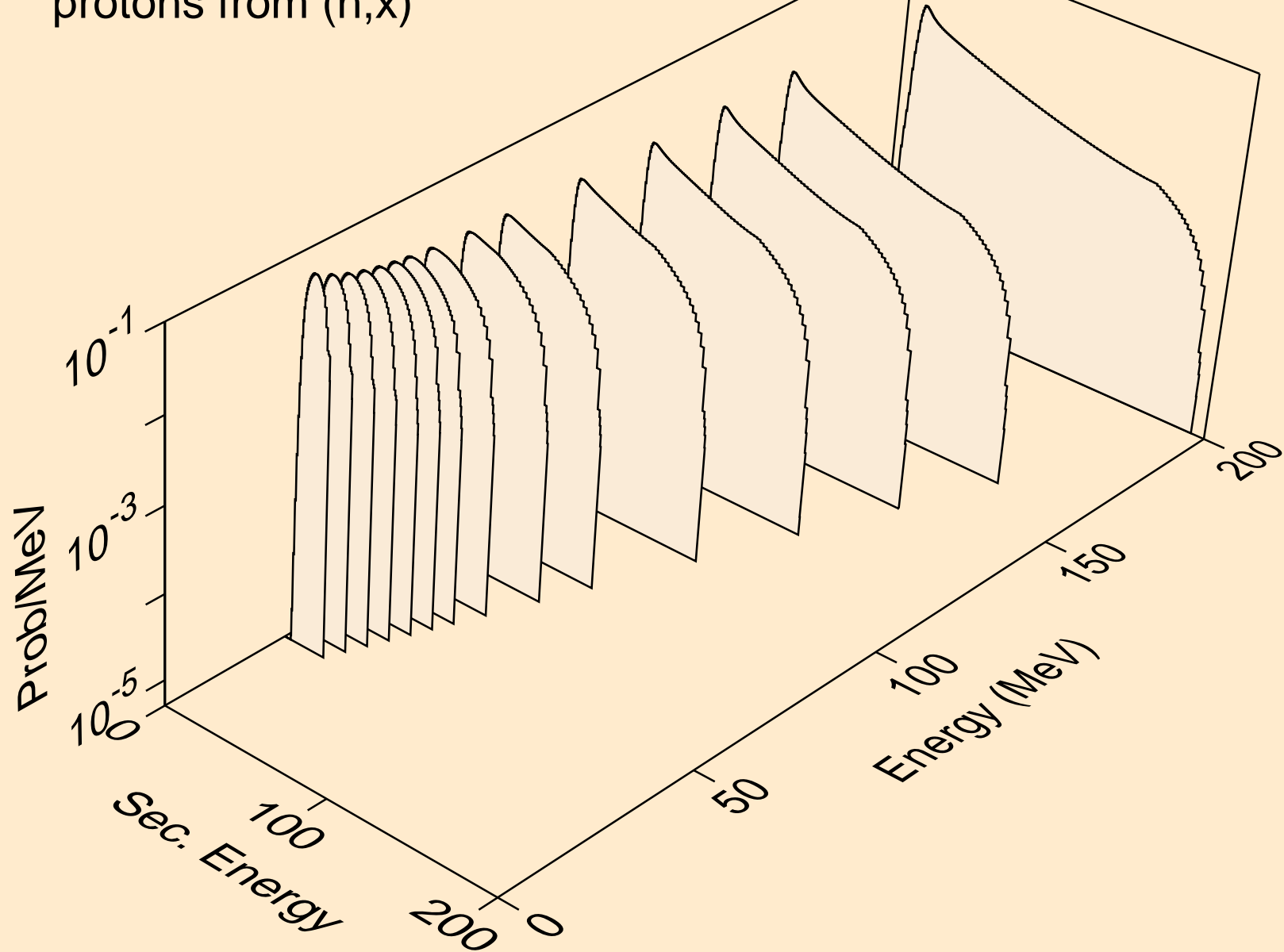




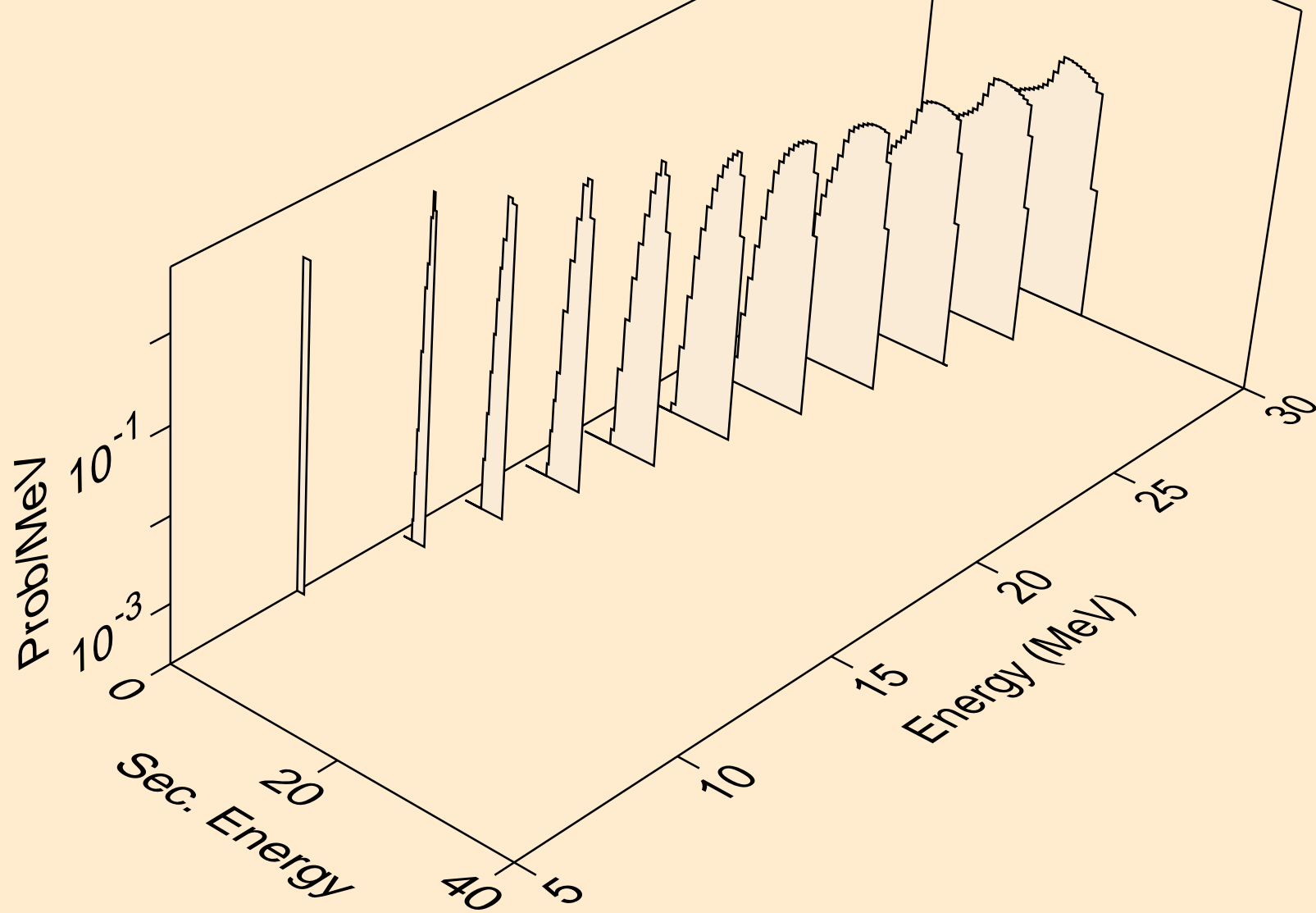
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



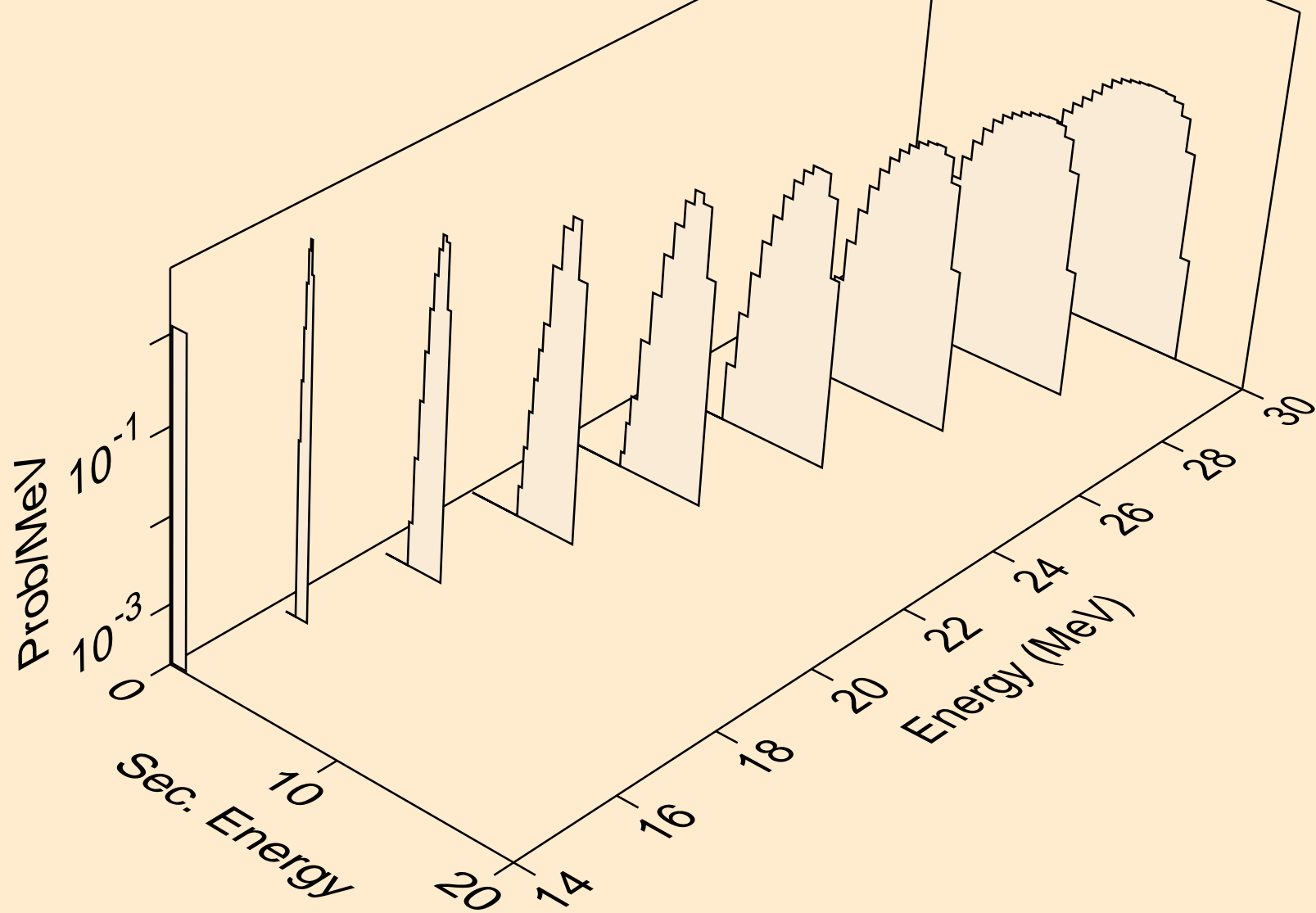
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



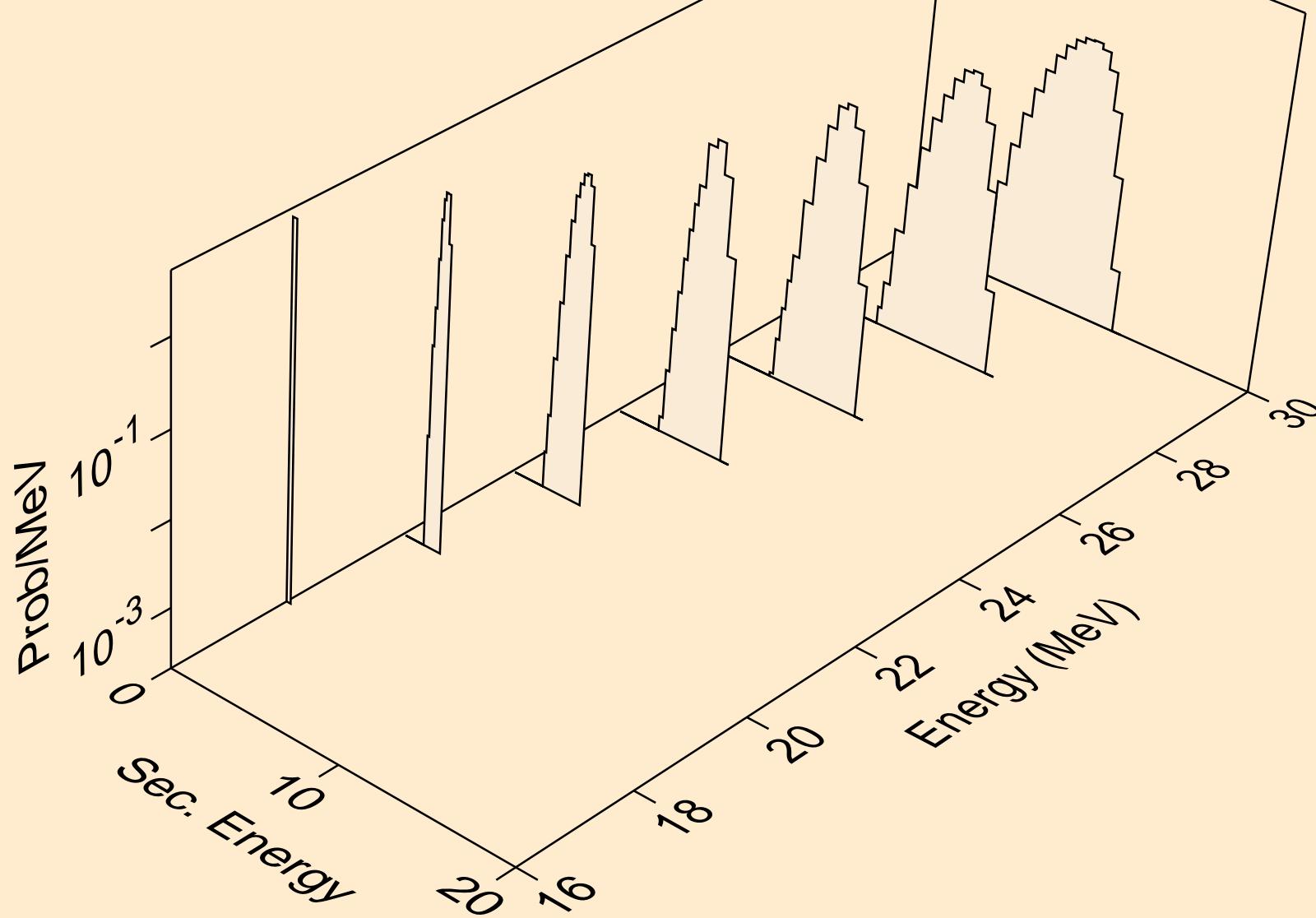
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



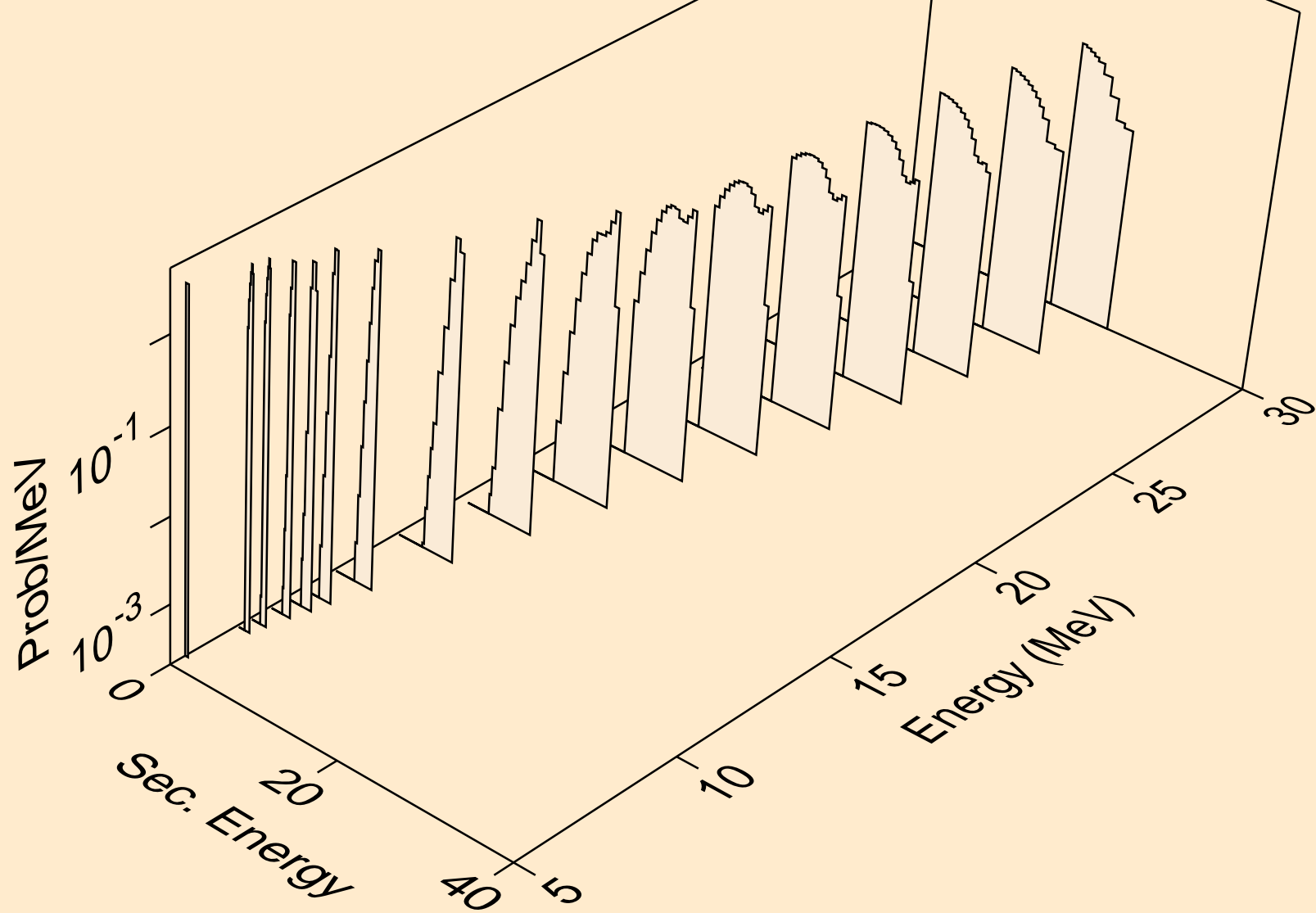
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



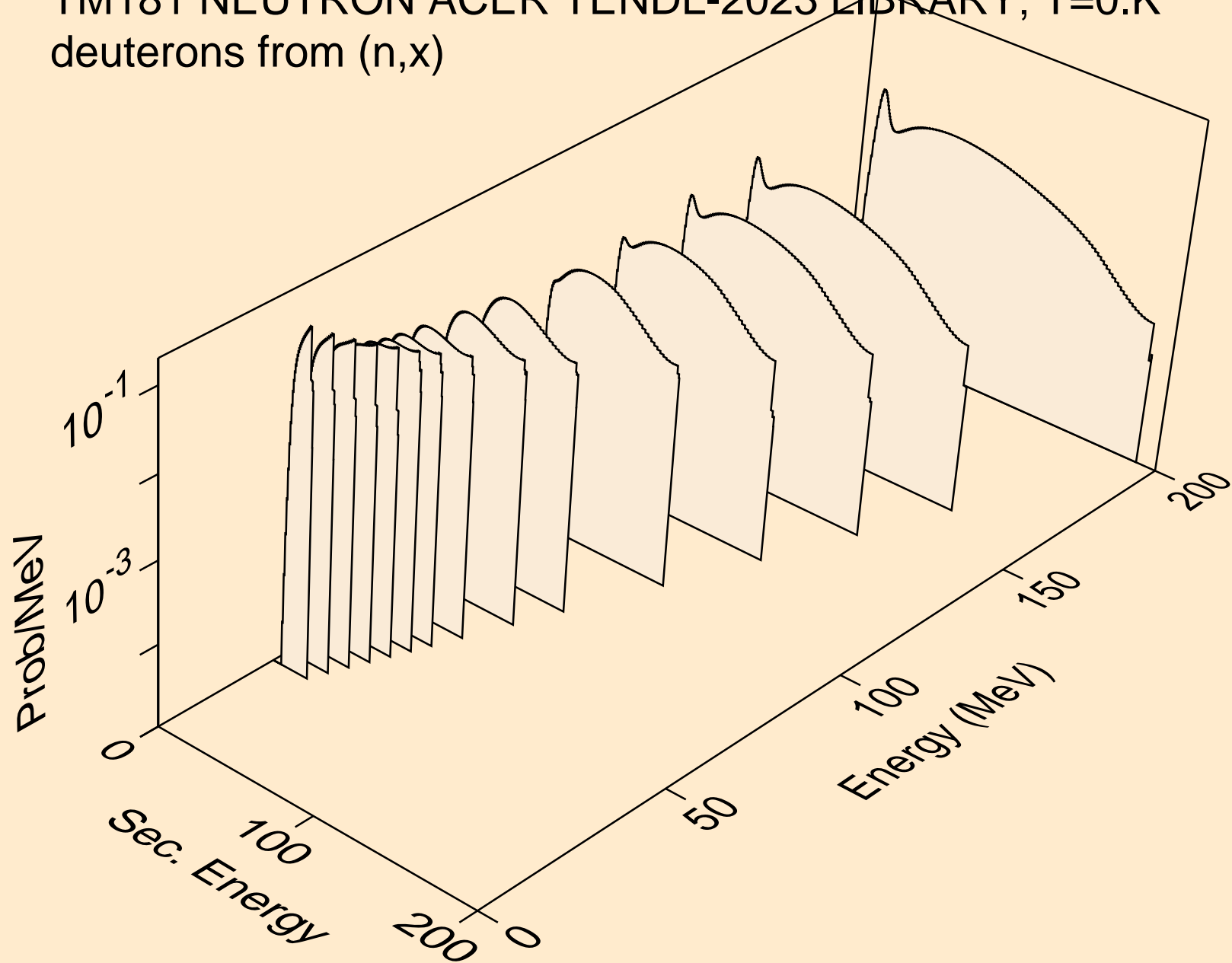
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protons from (n,3np)



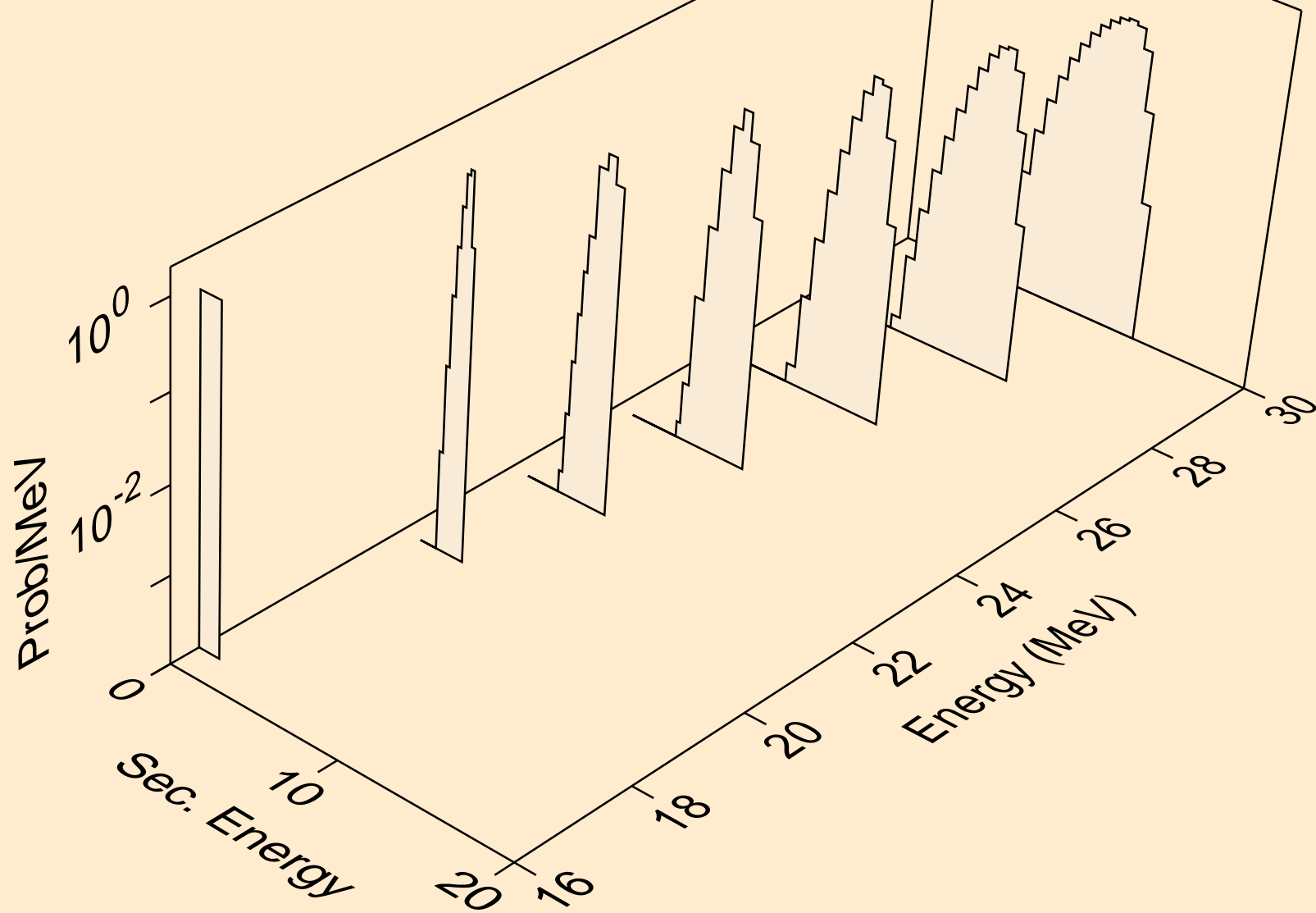
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)

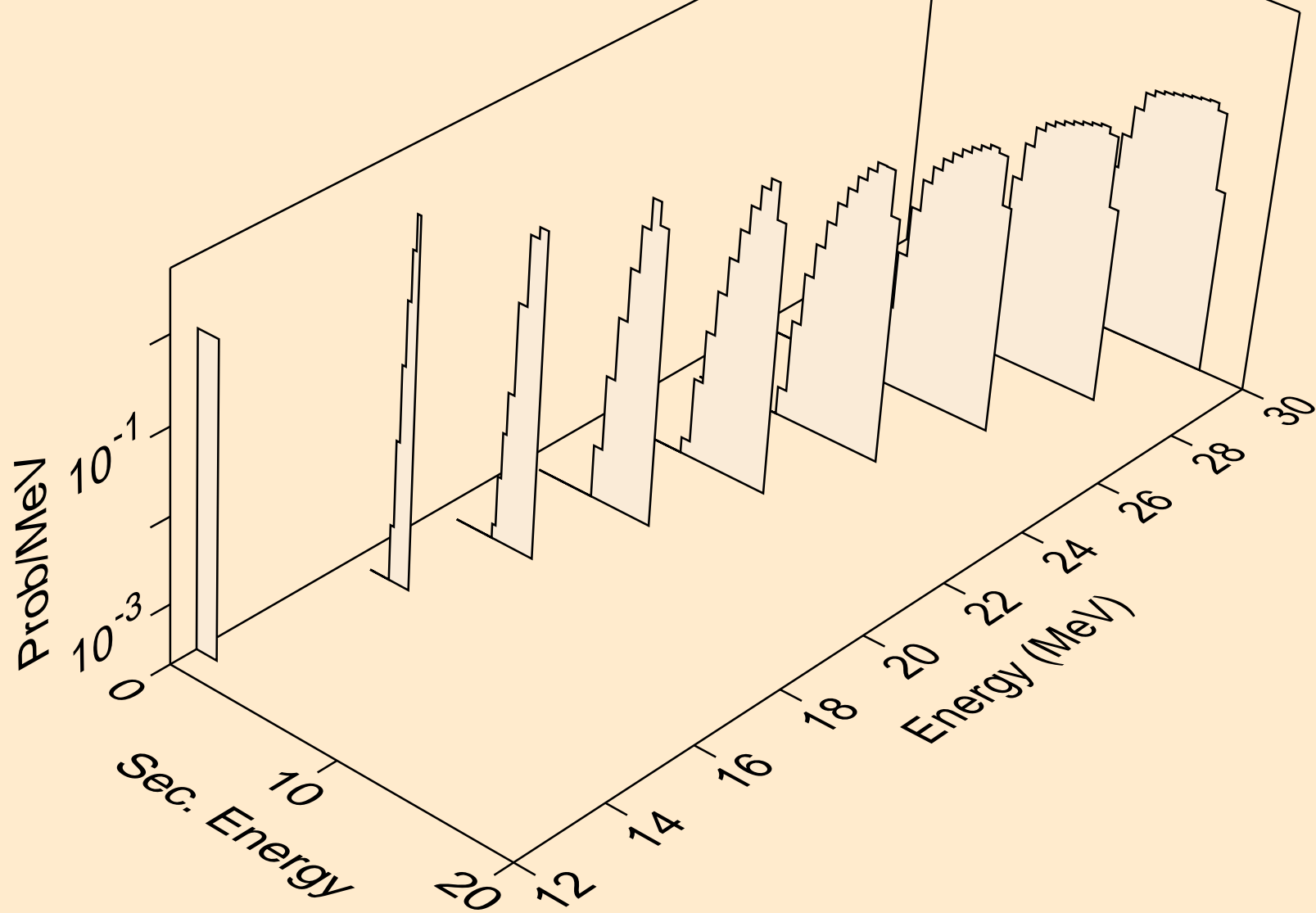


TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,2nd)

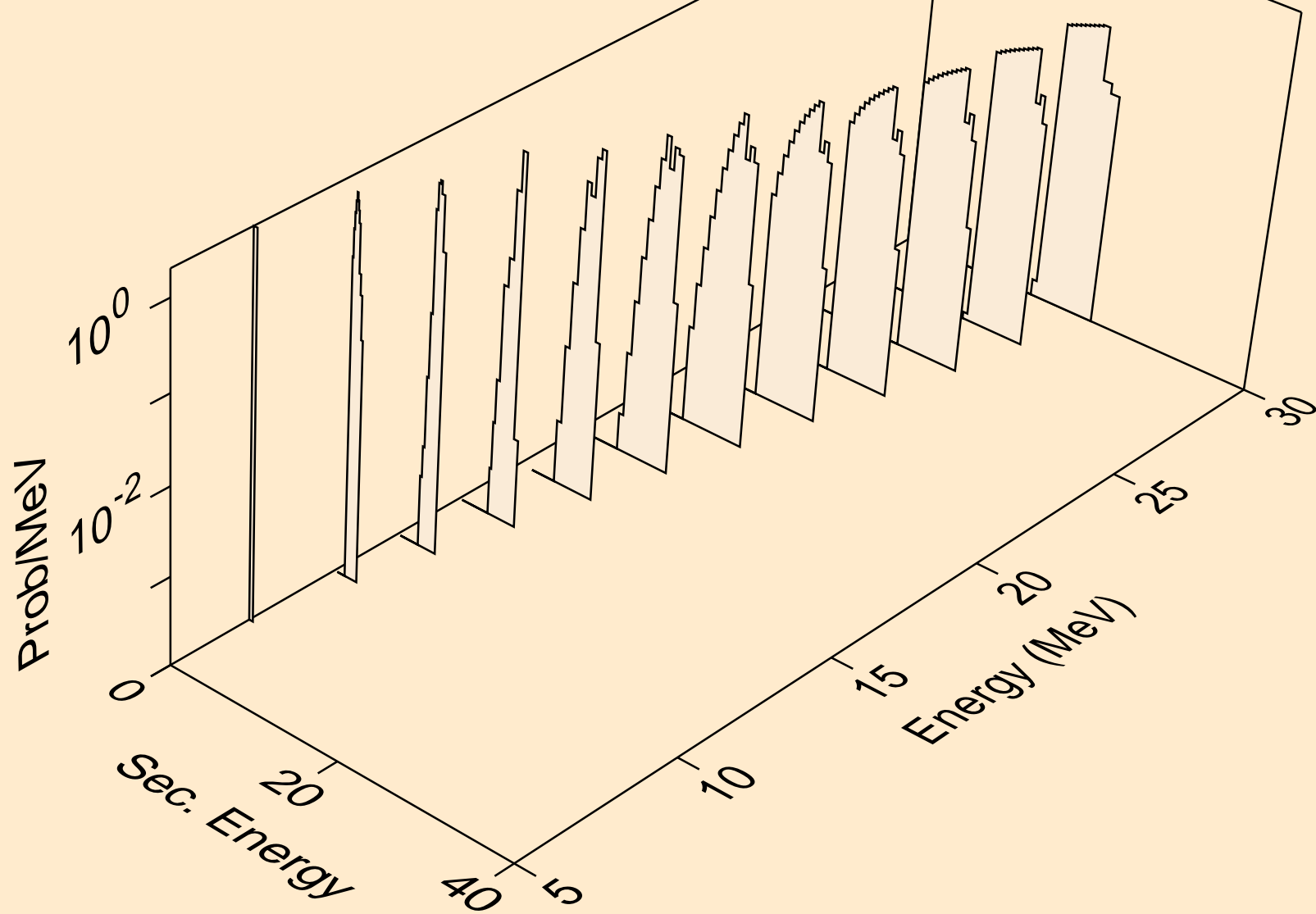




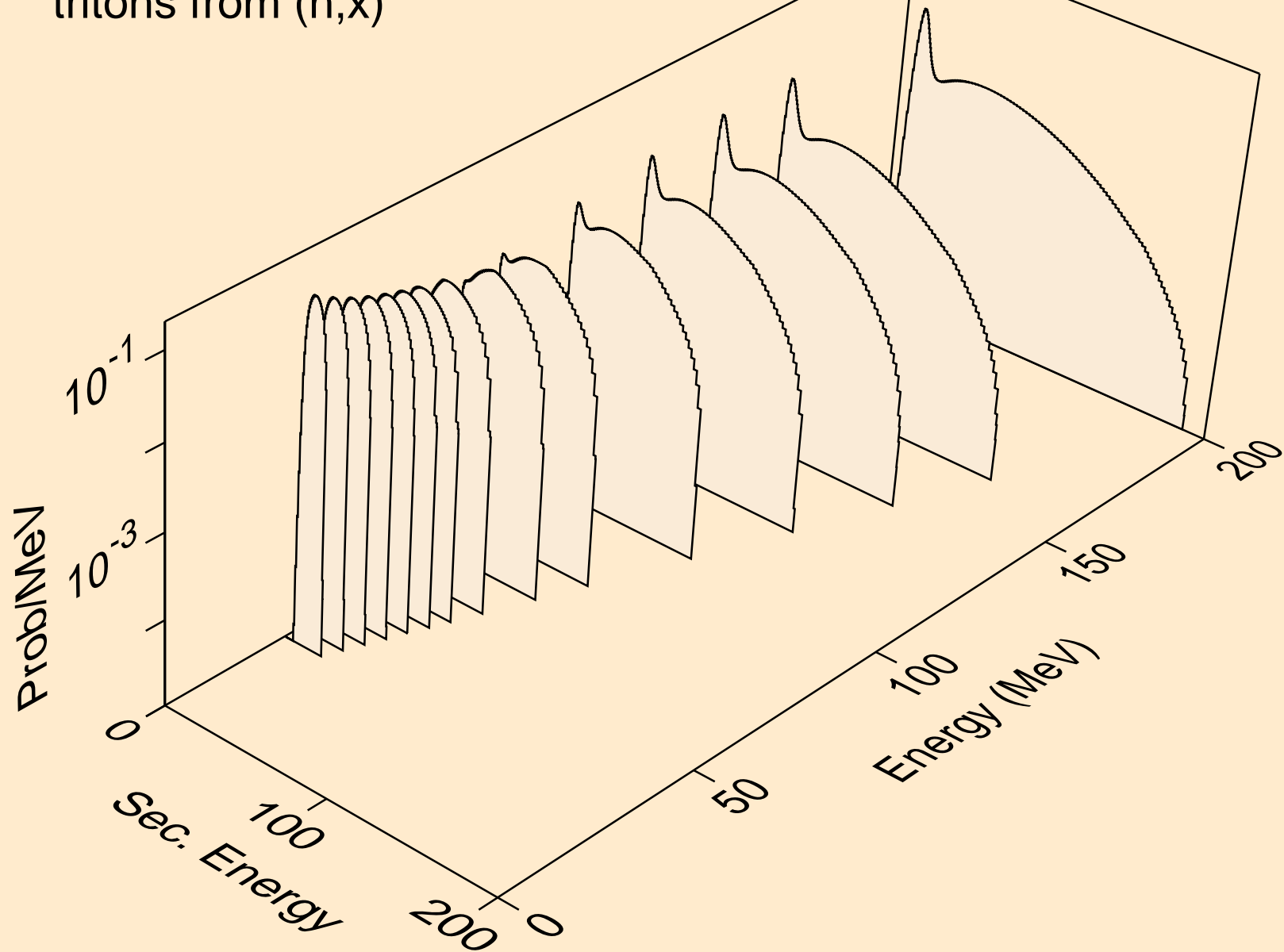
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



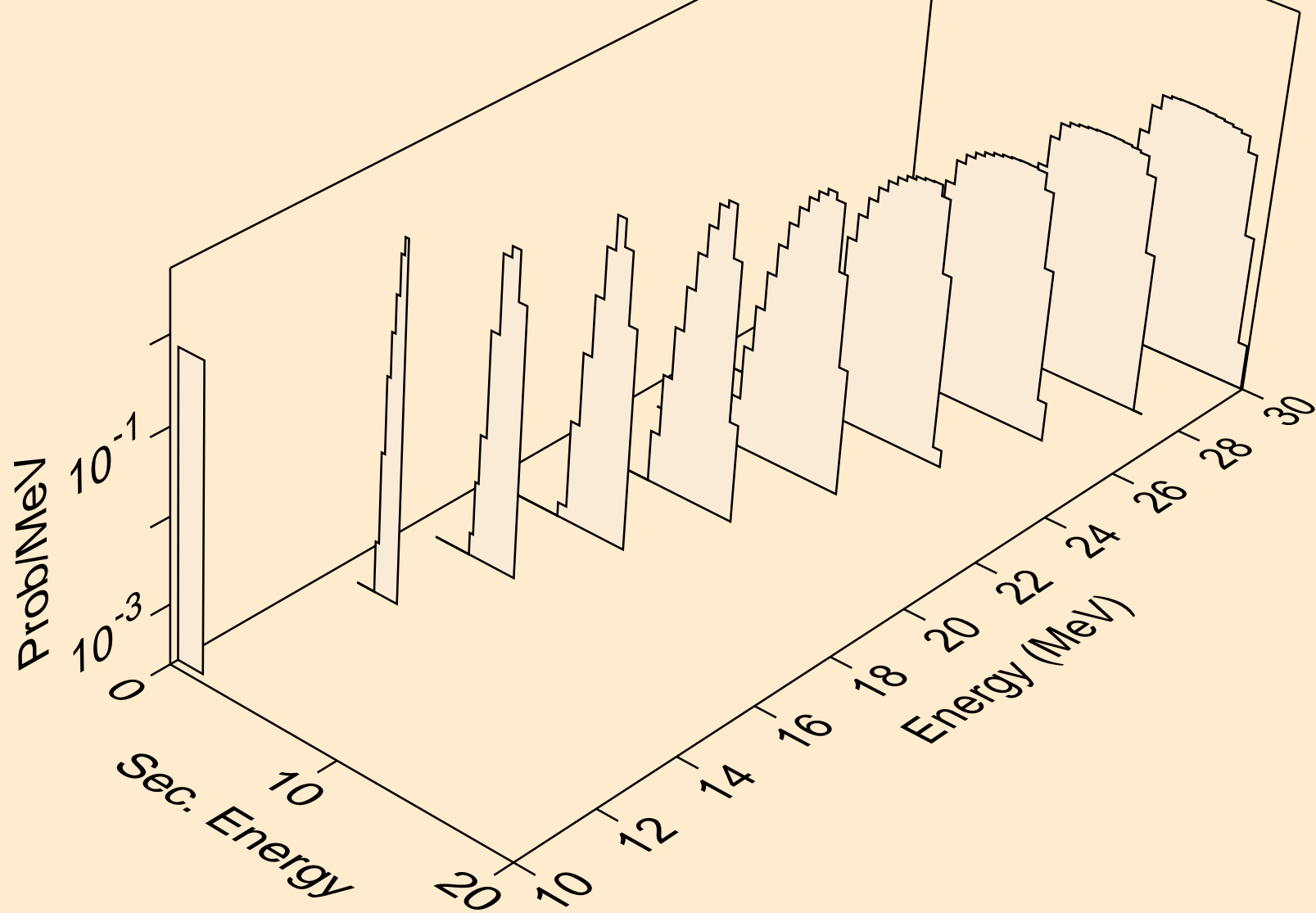
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deuterons from (n,d)



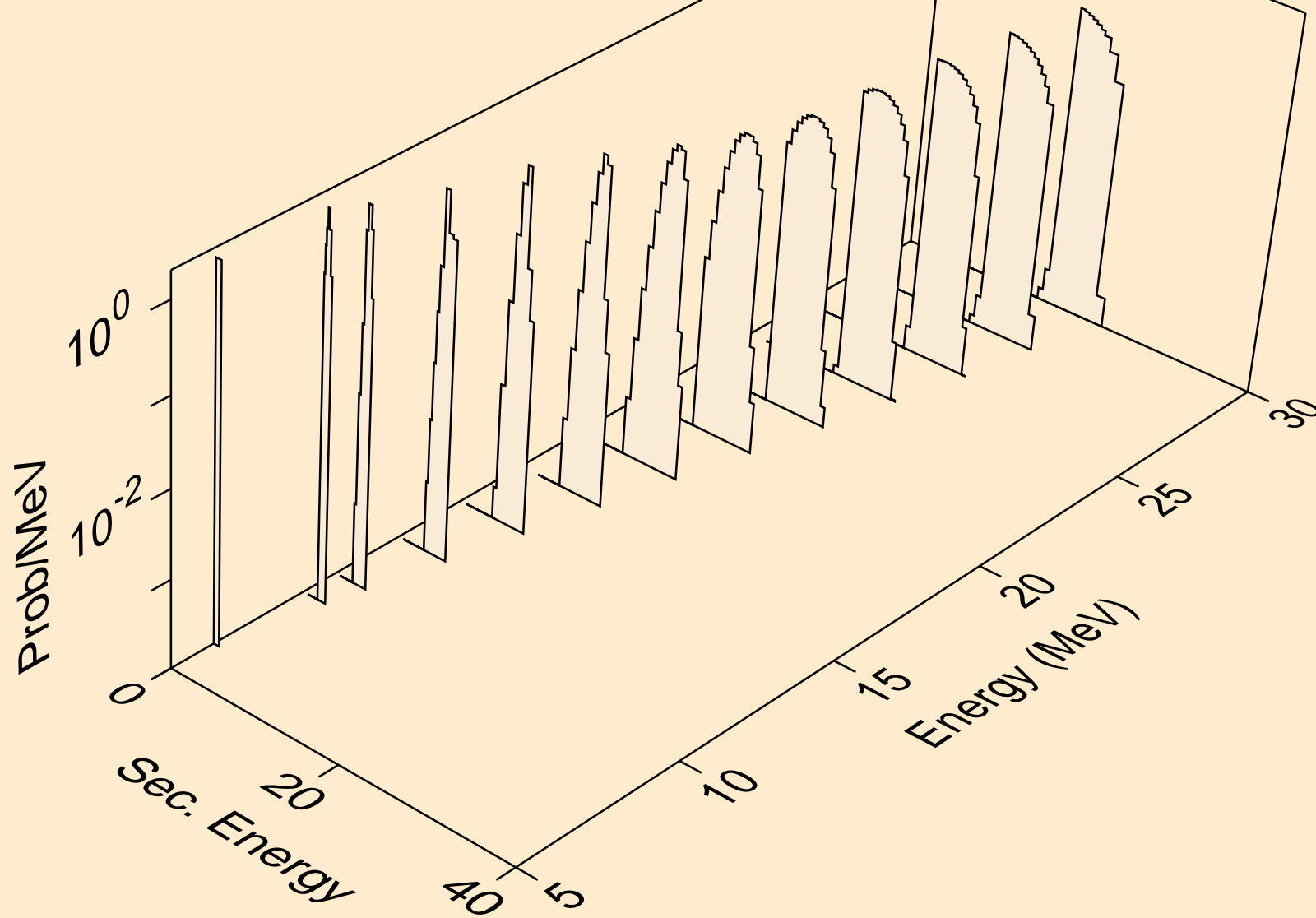
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tritons from (n,x)



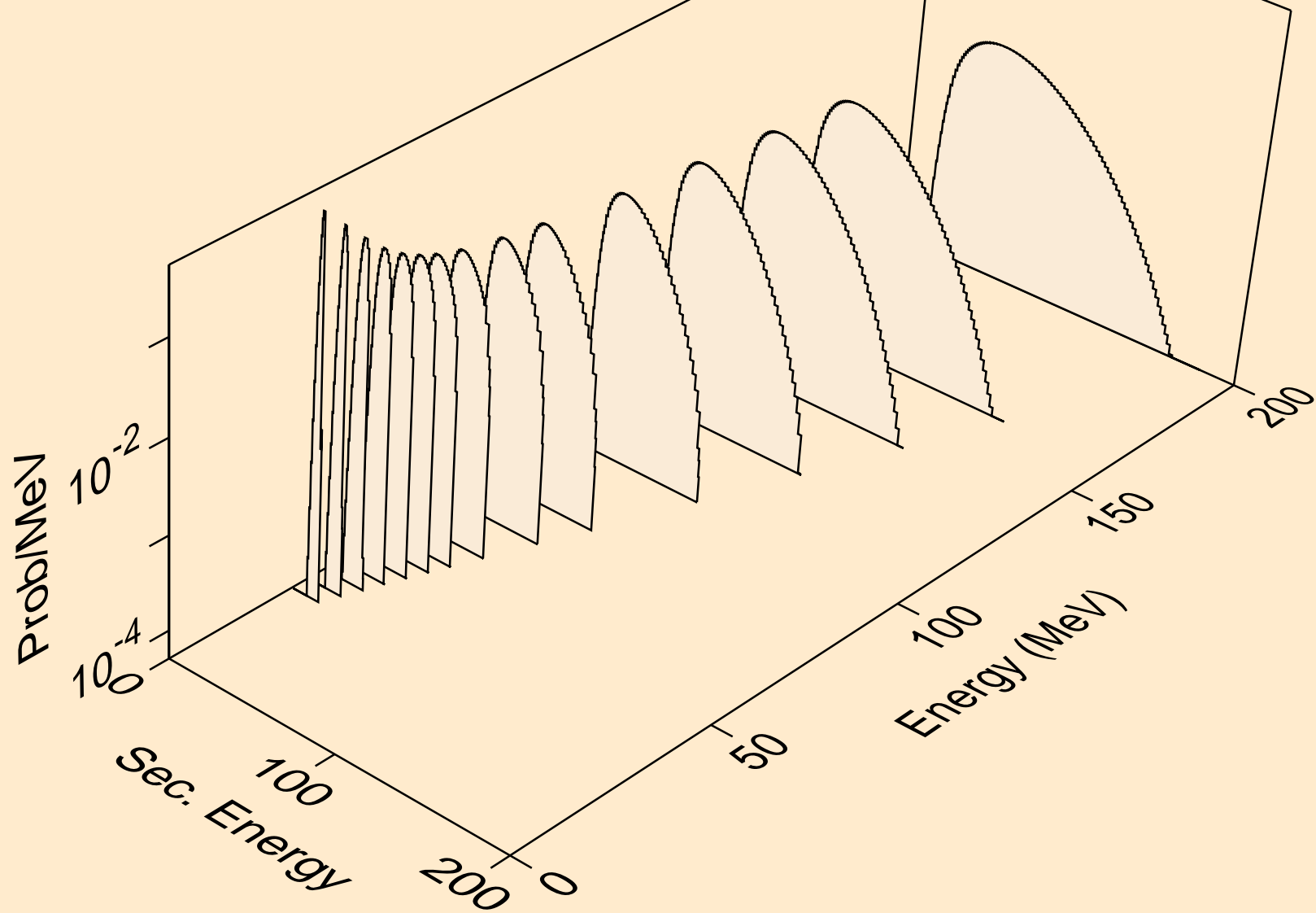
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



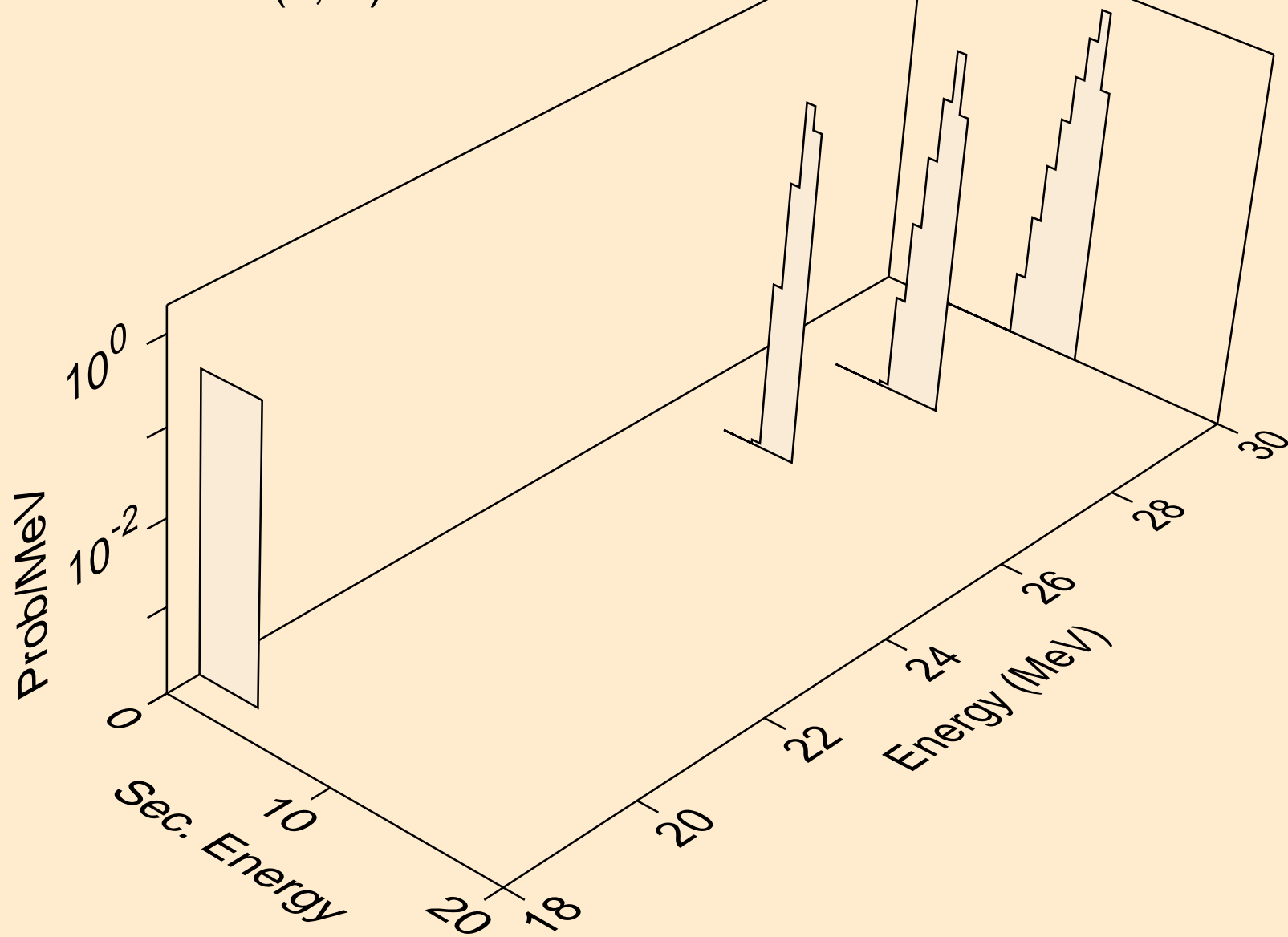
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tritons from (n,t)



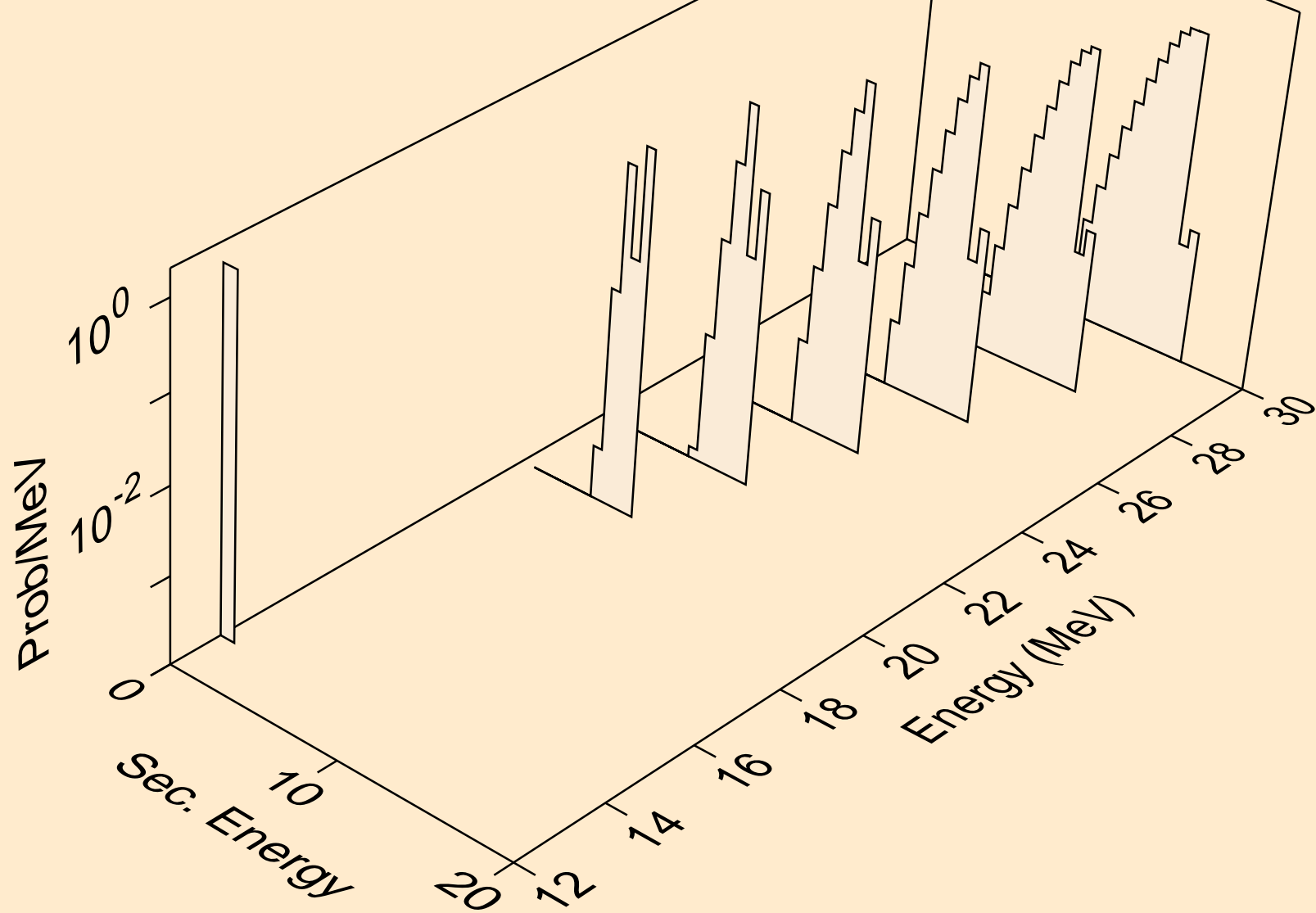
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3

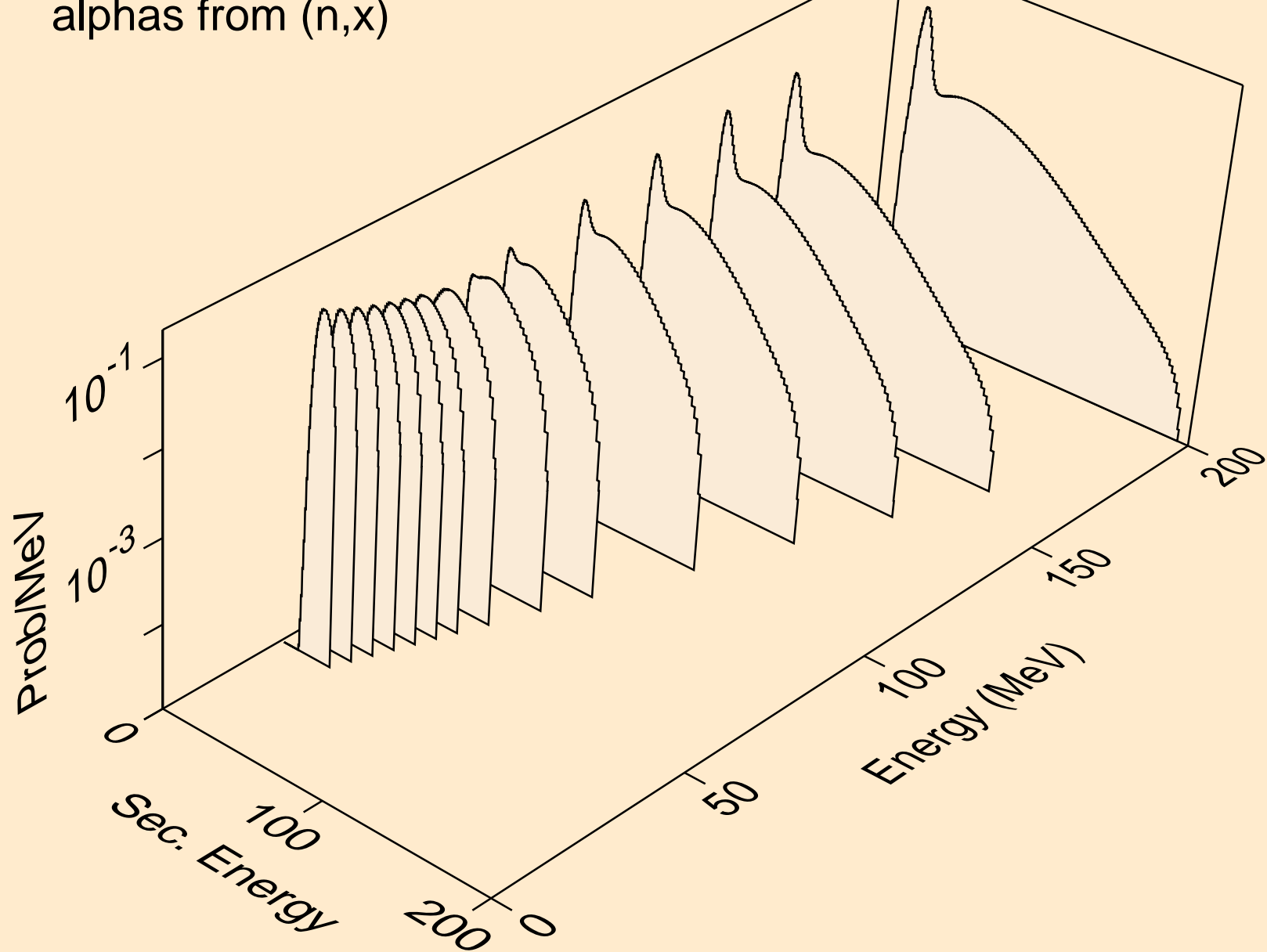


TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,he3)

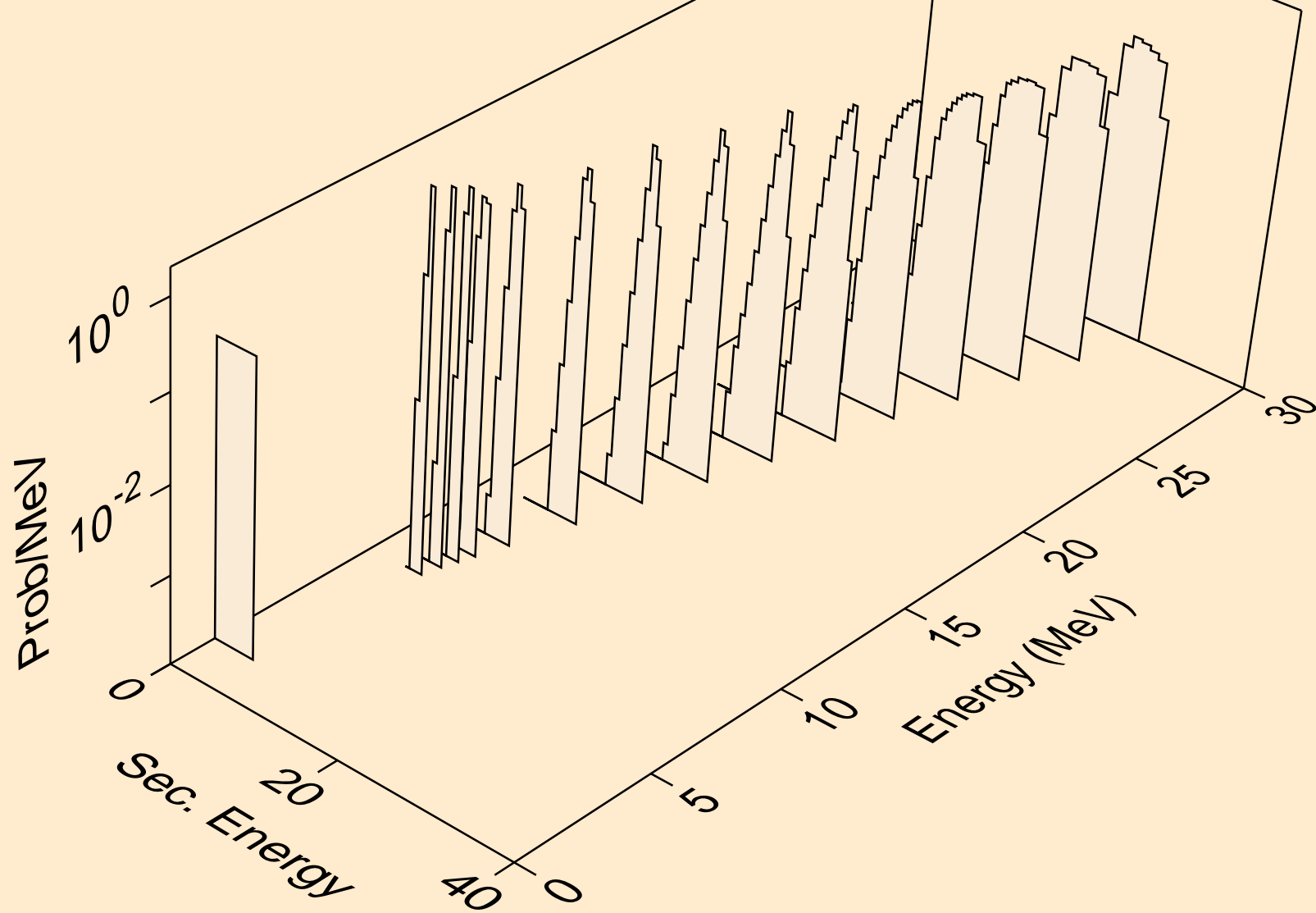




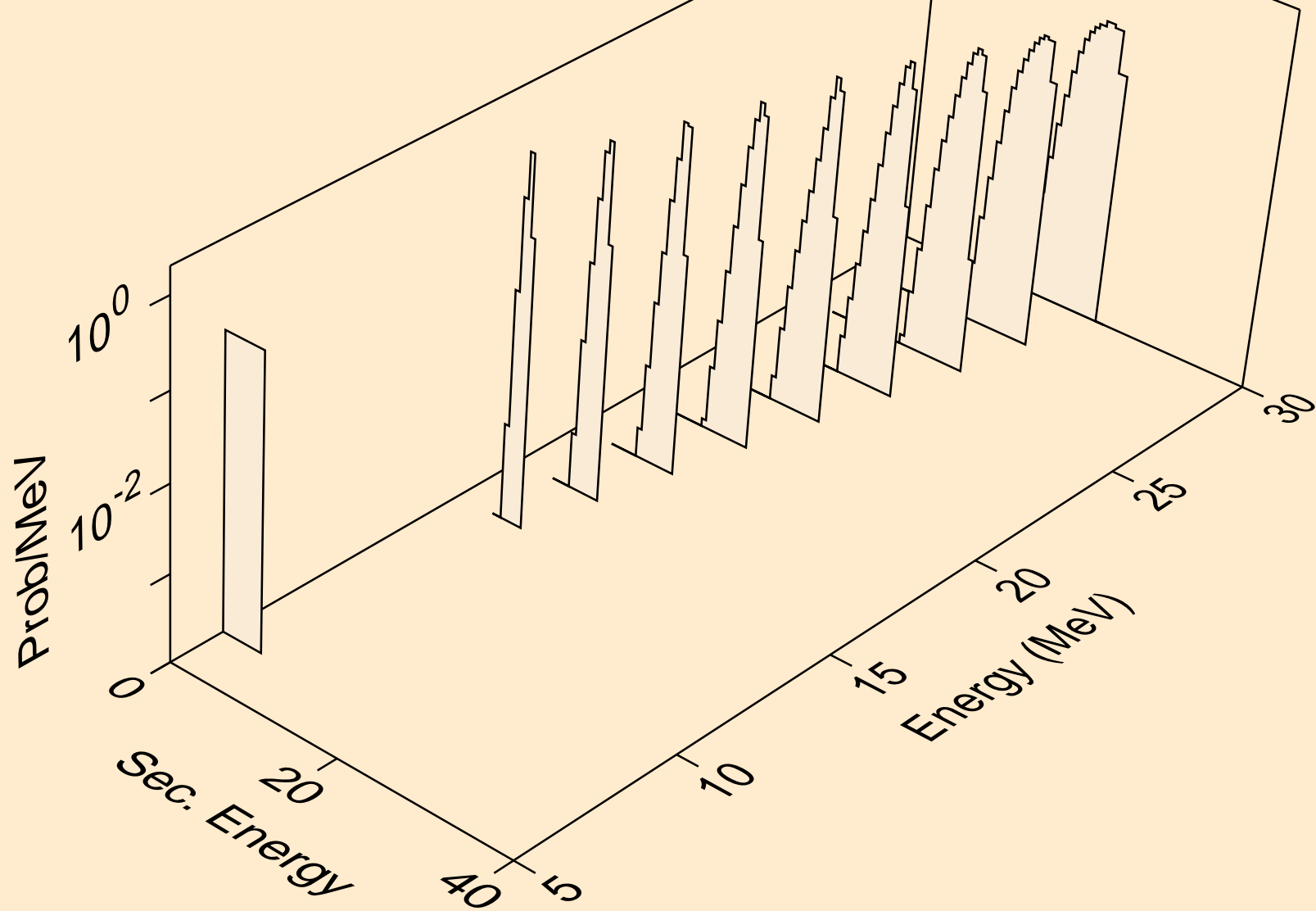
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



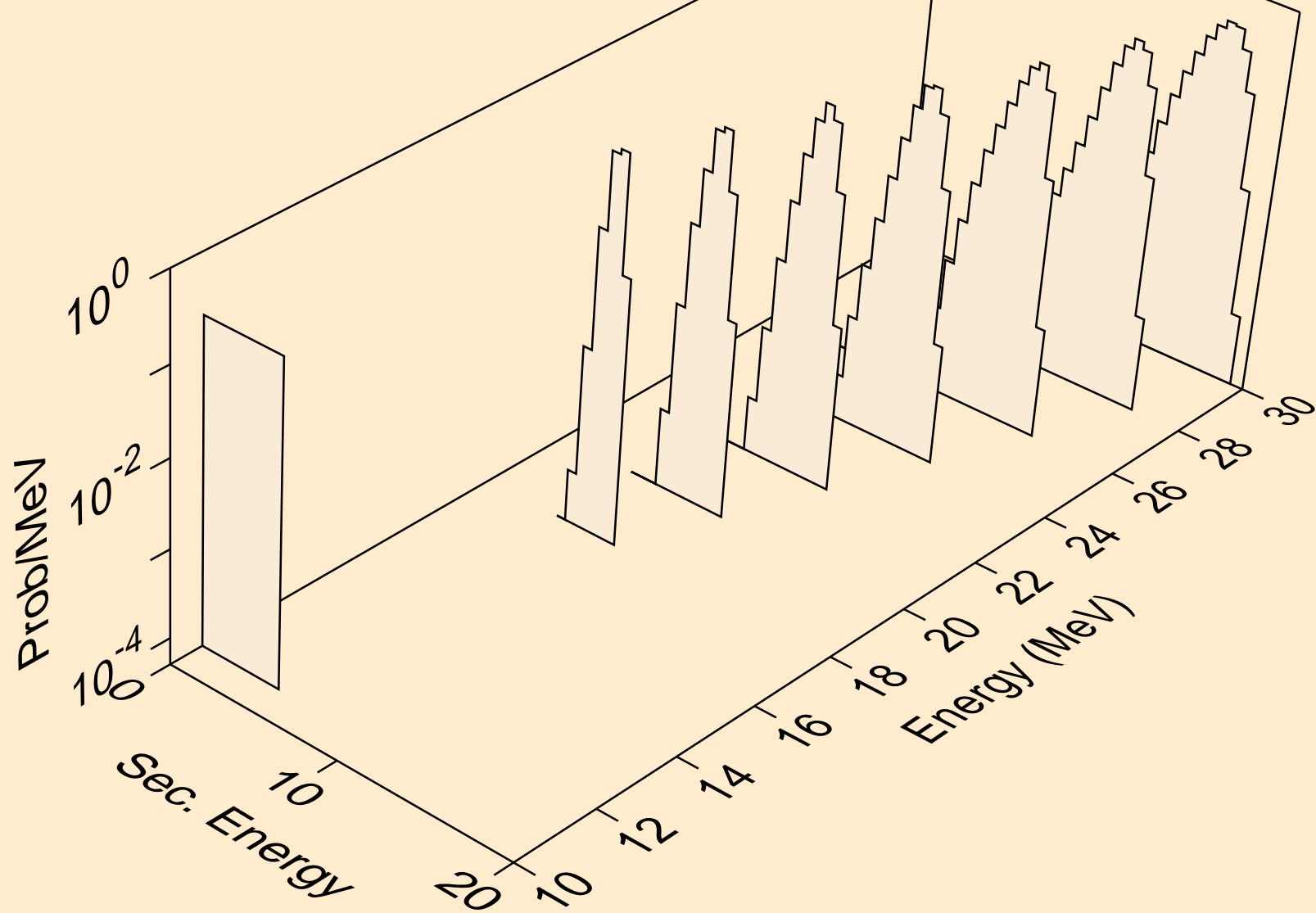
TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



TM181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)

