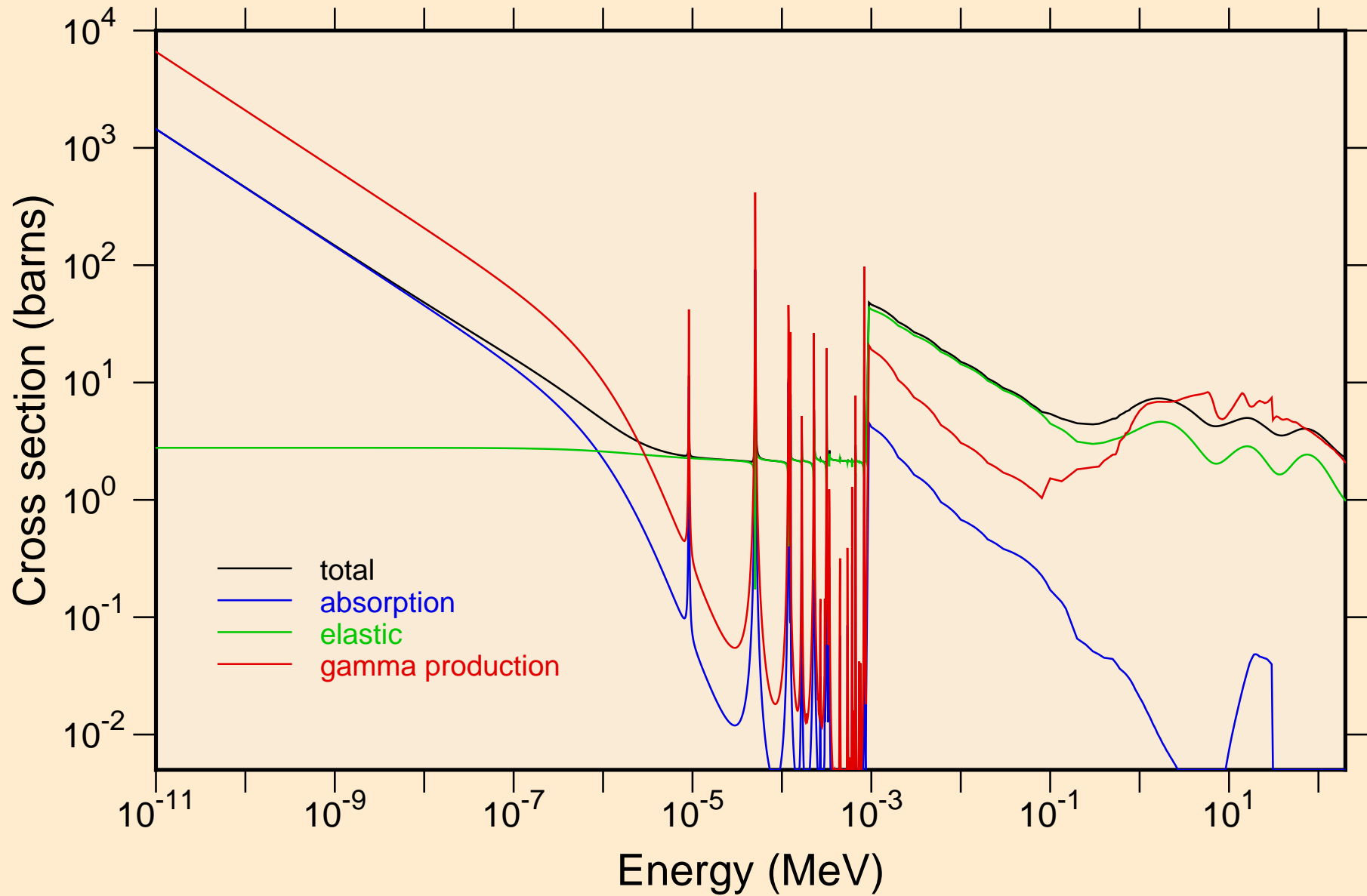
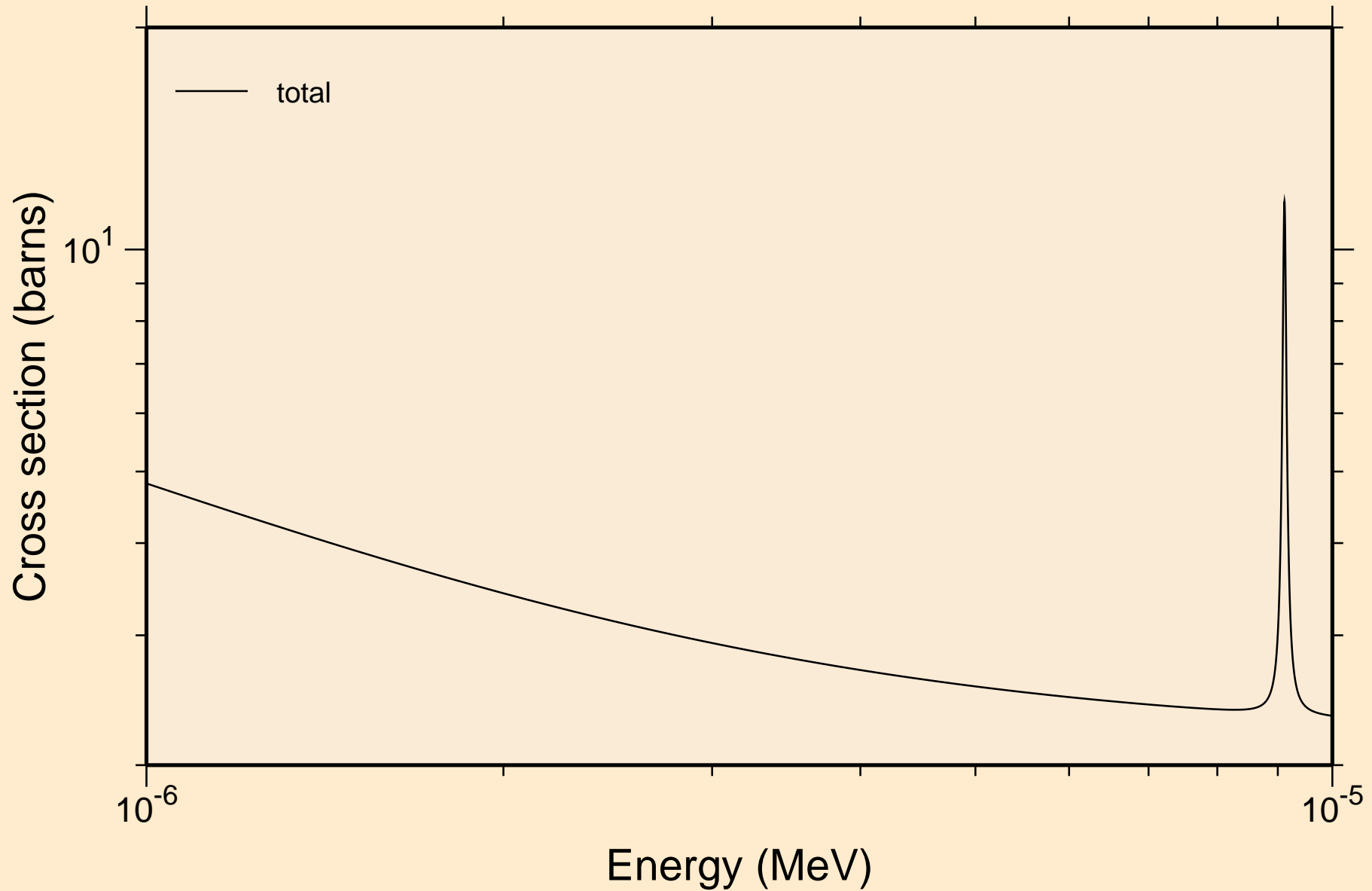


# PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

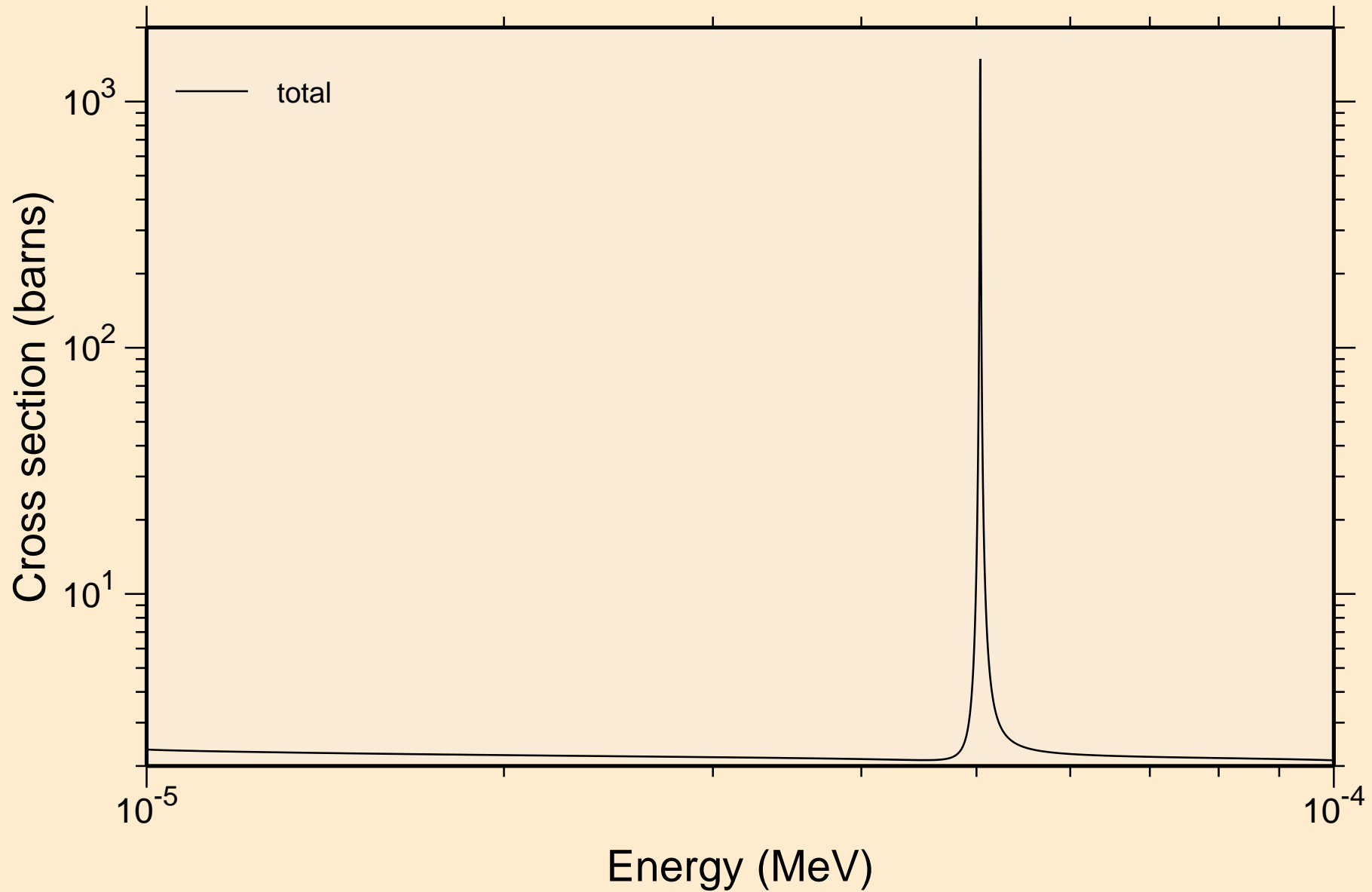
## Principal cross sections



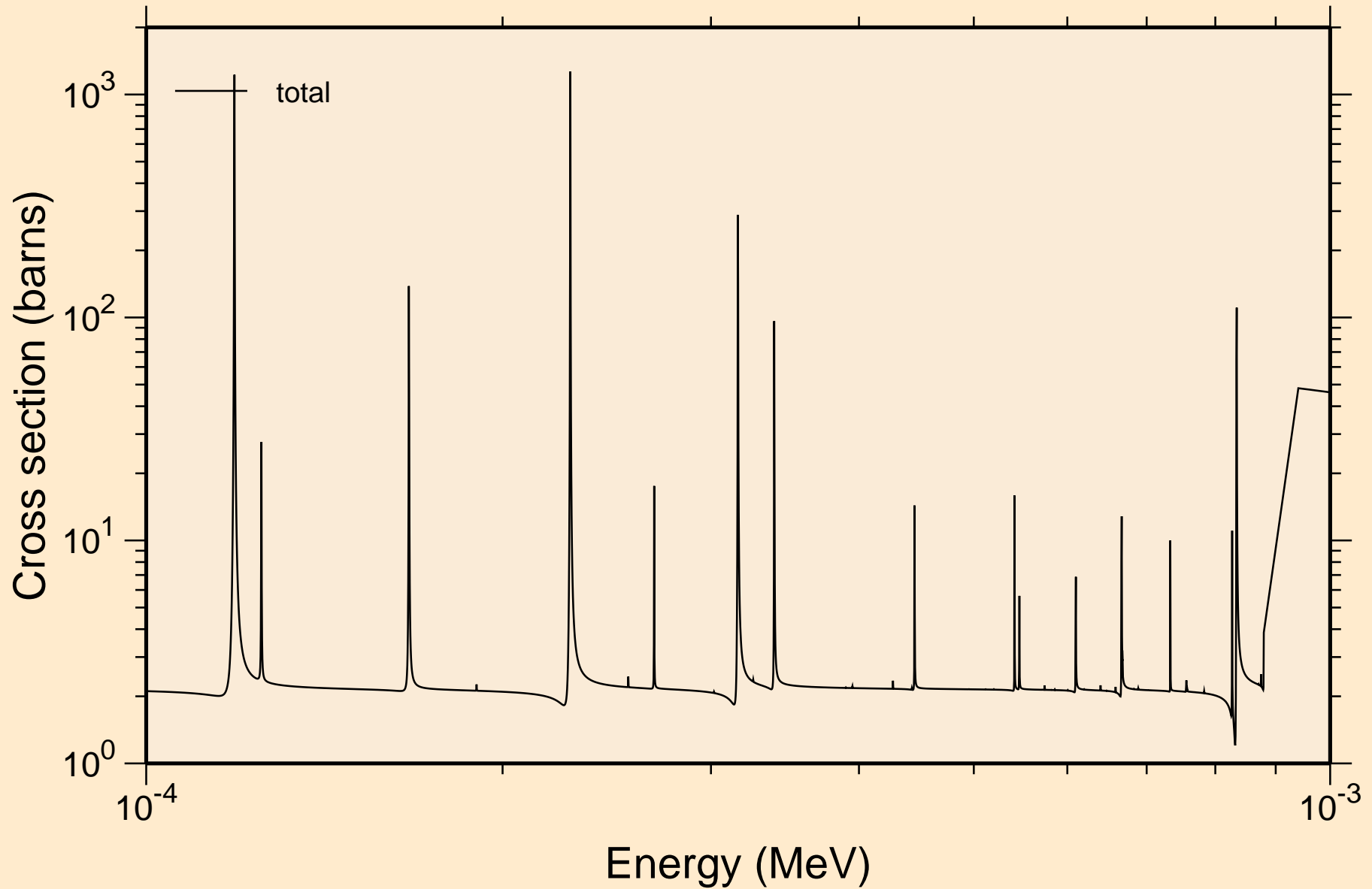
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



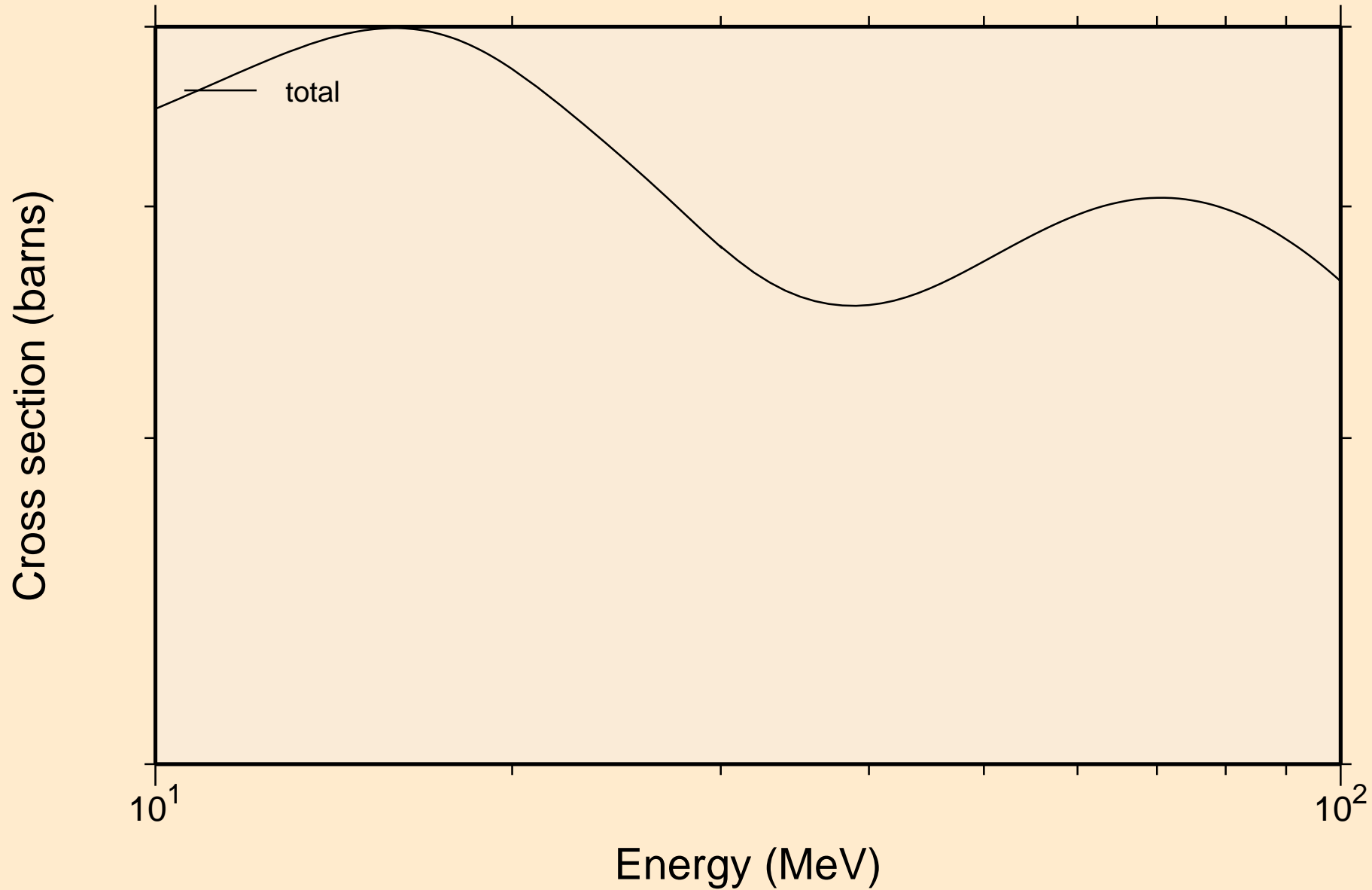
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



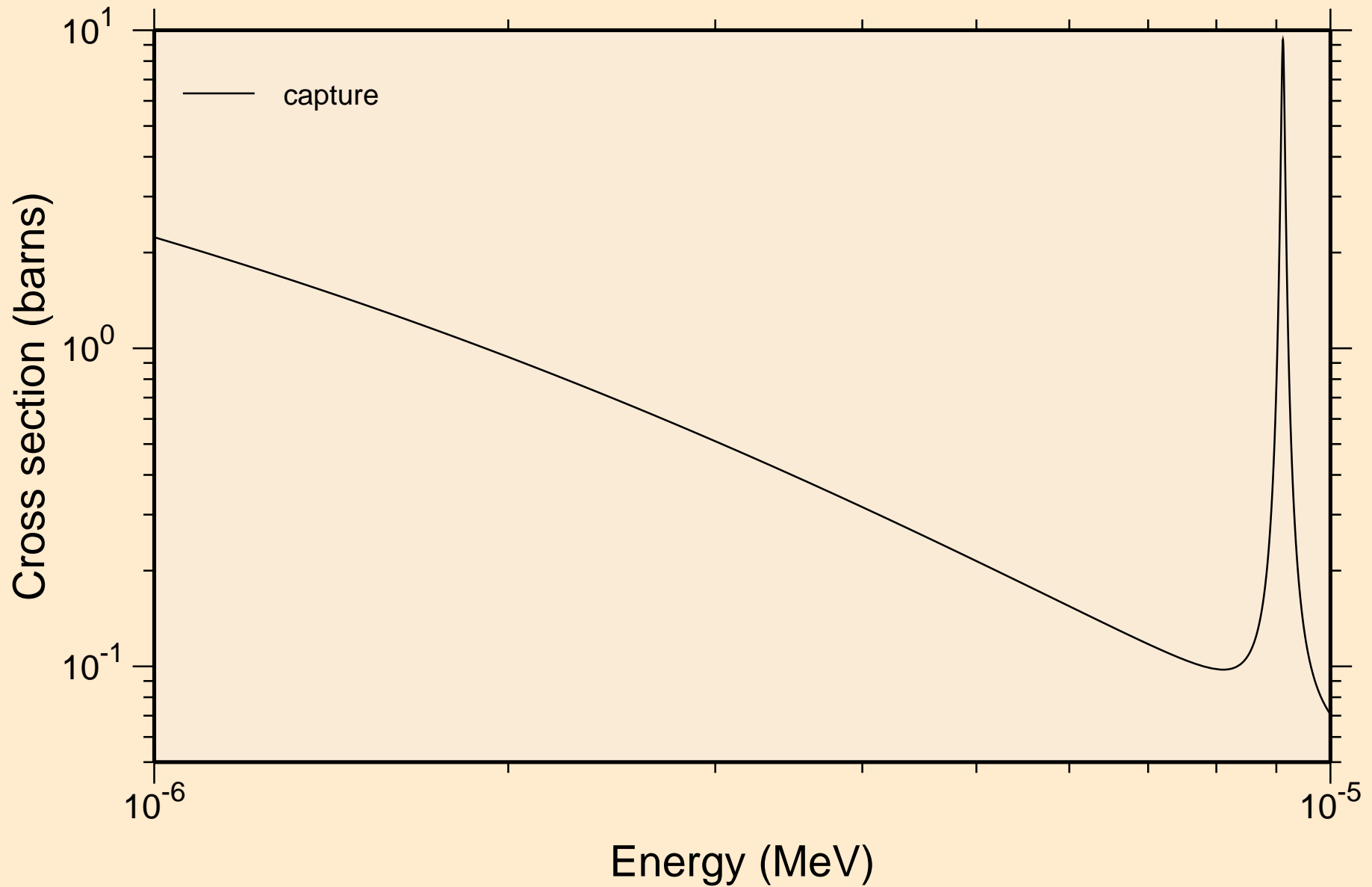
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



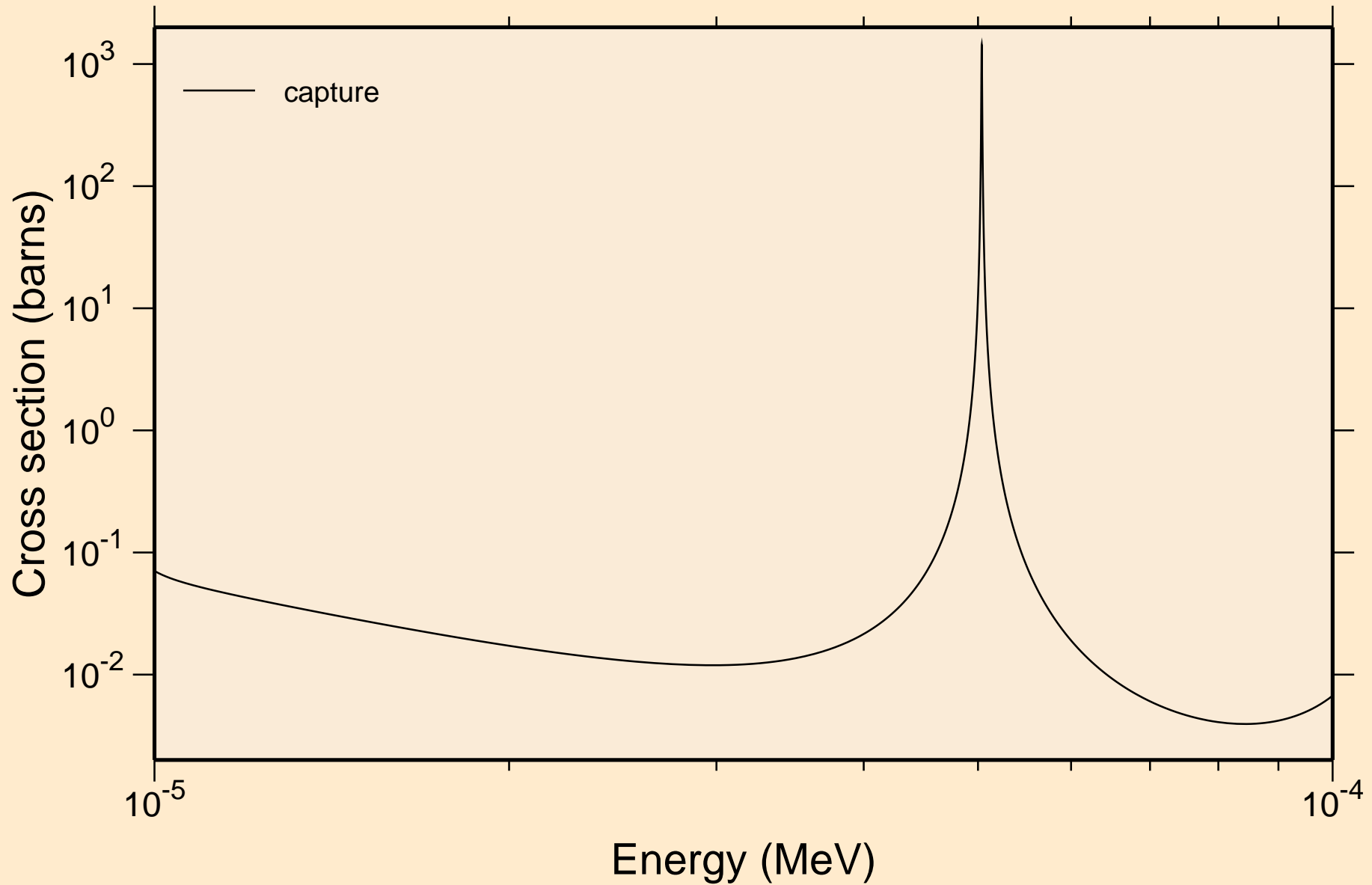
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



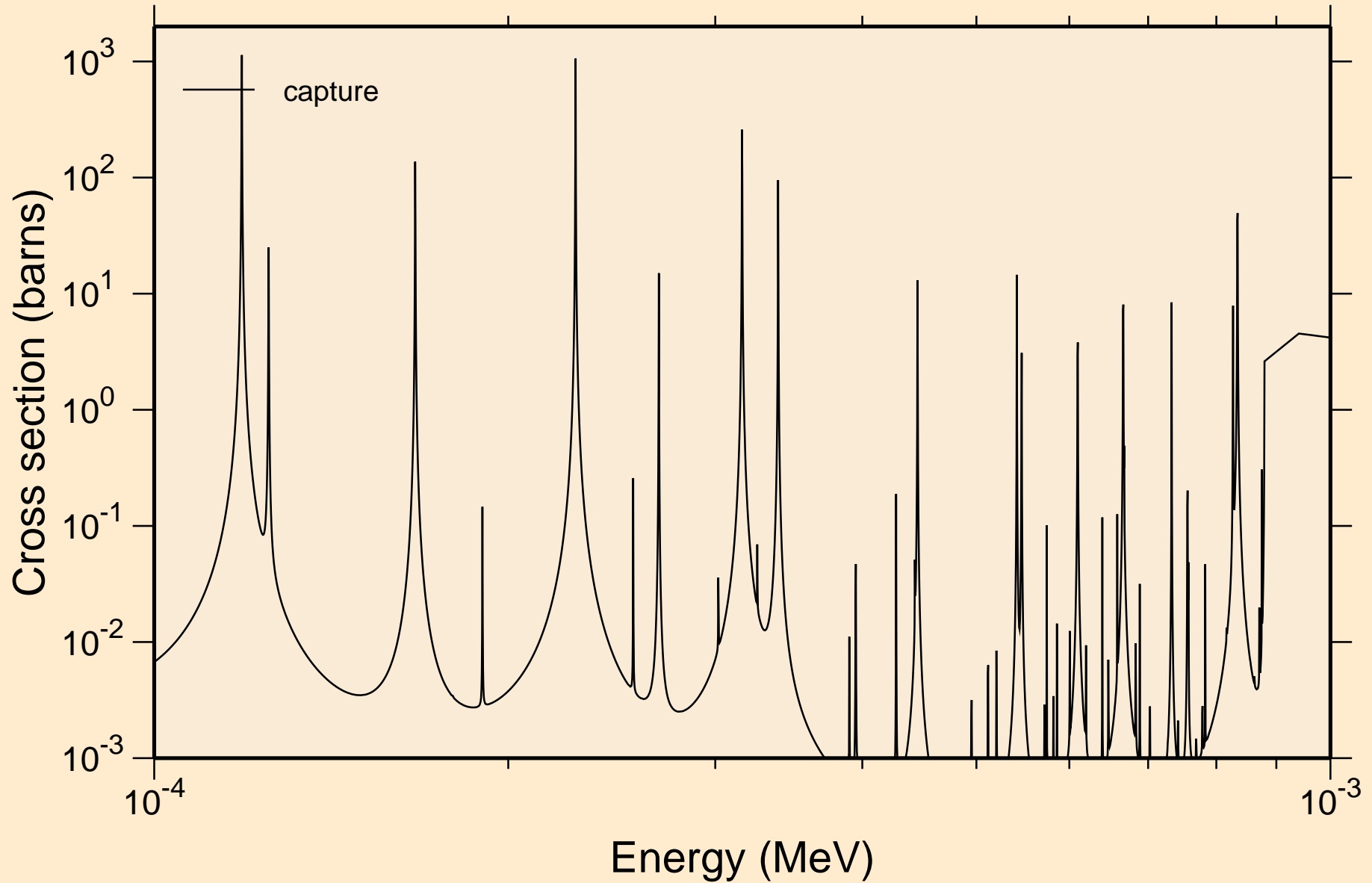
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

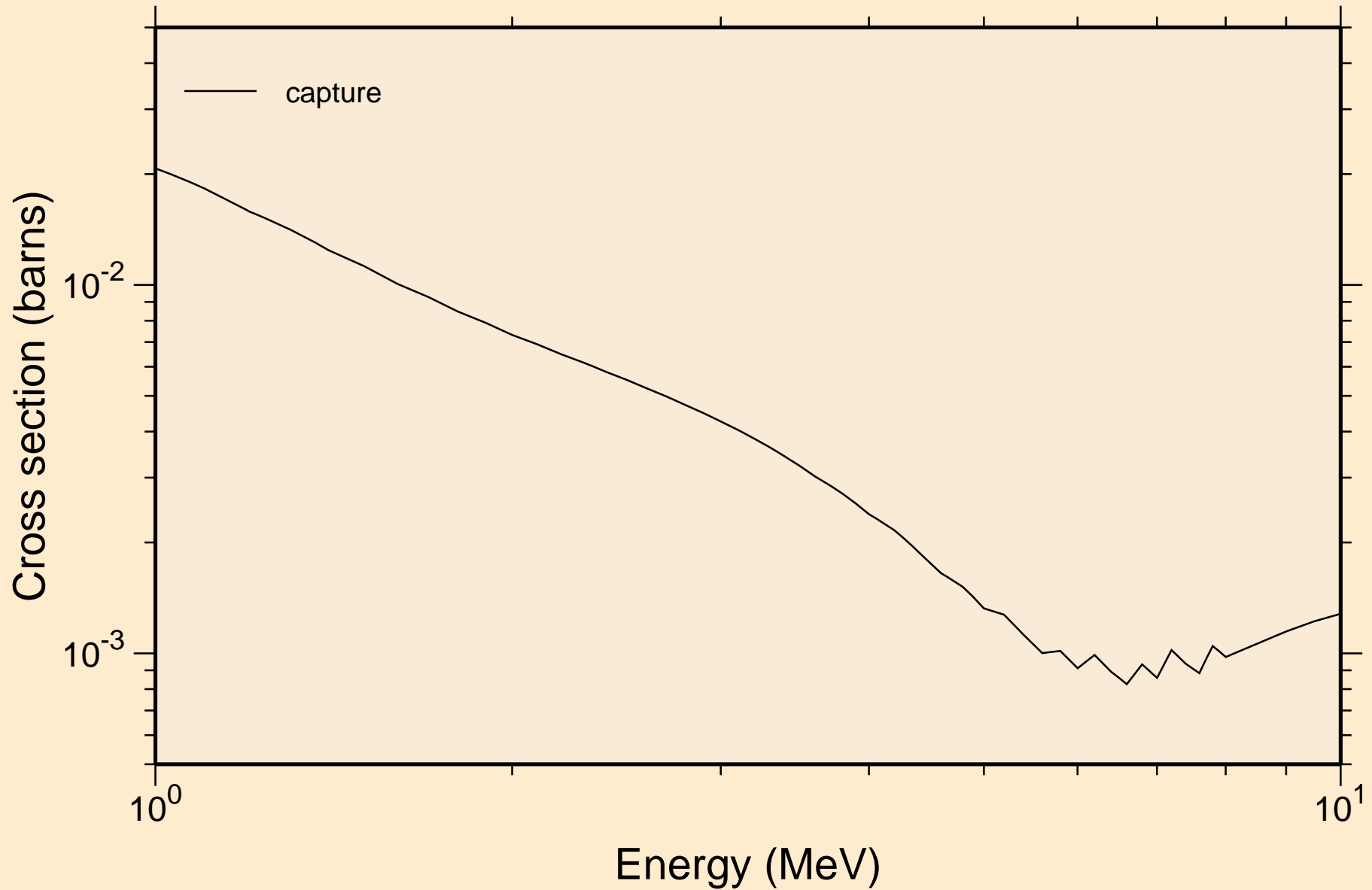


PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

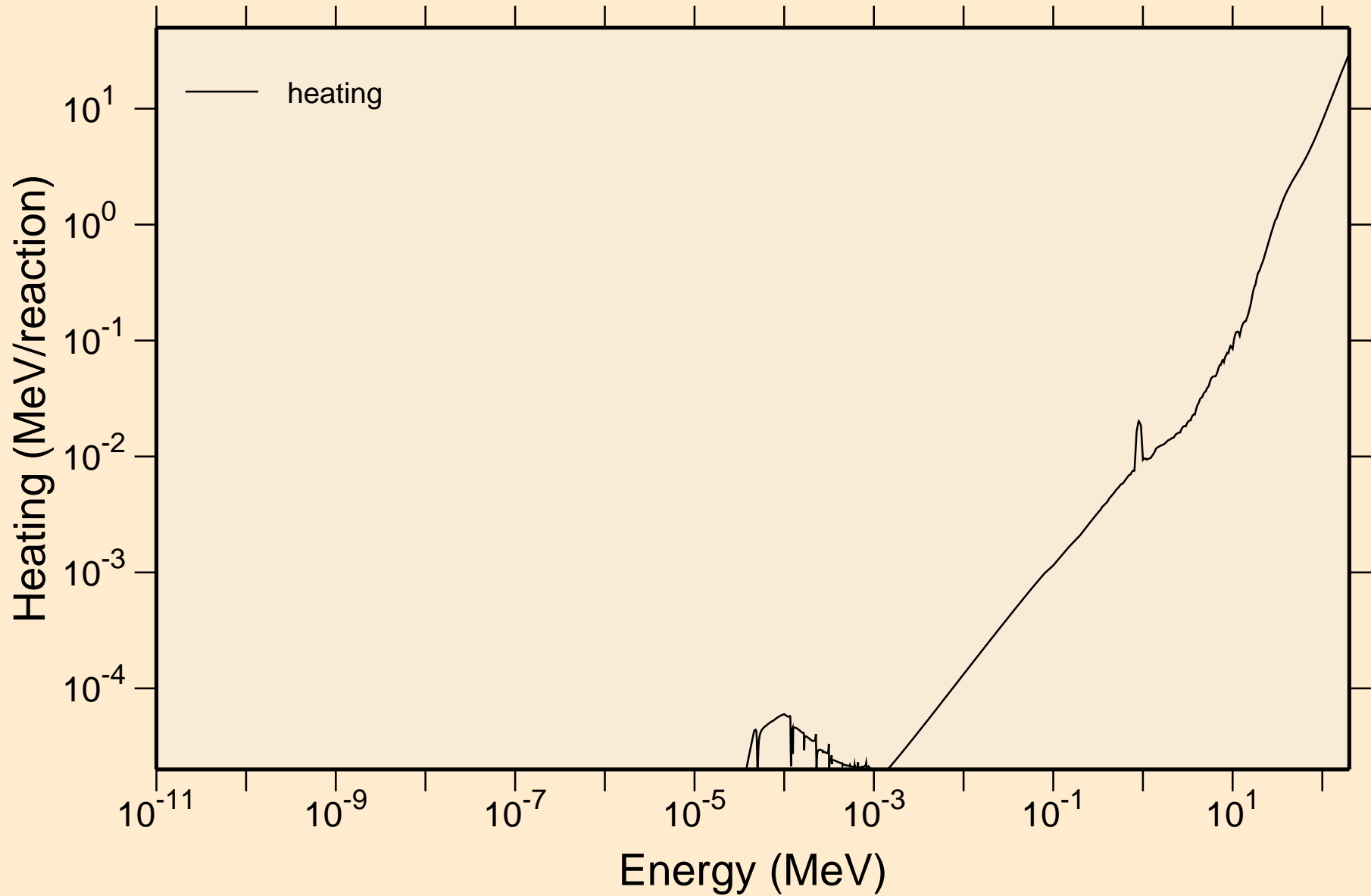




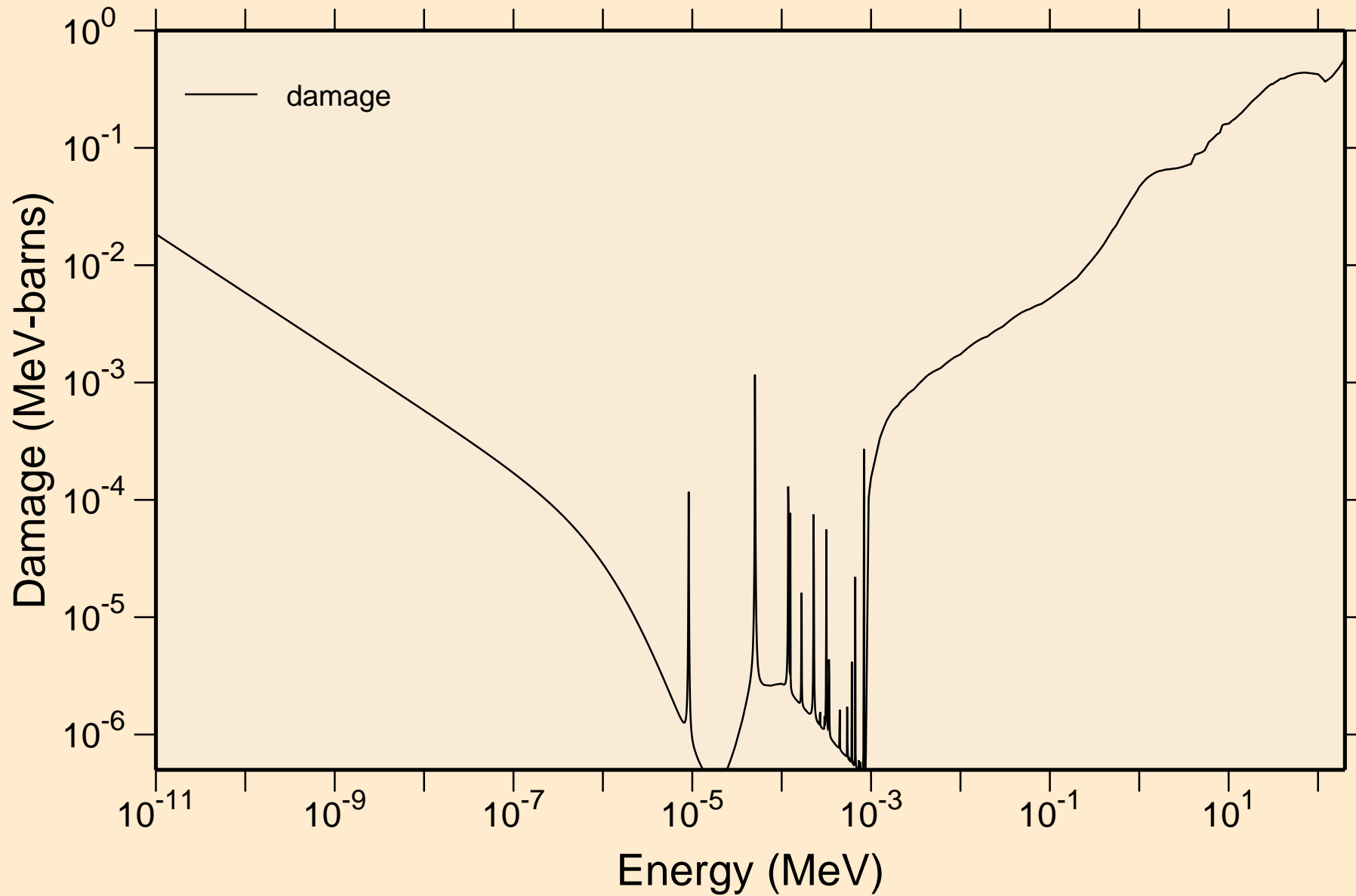
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



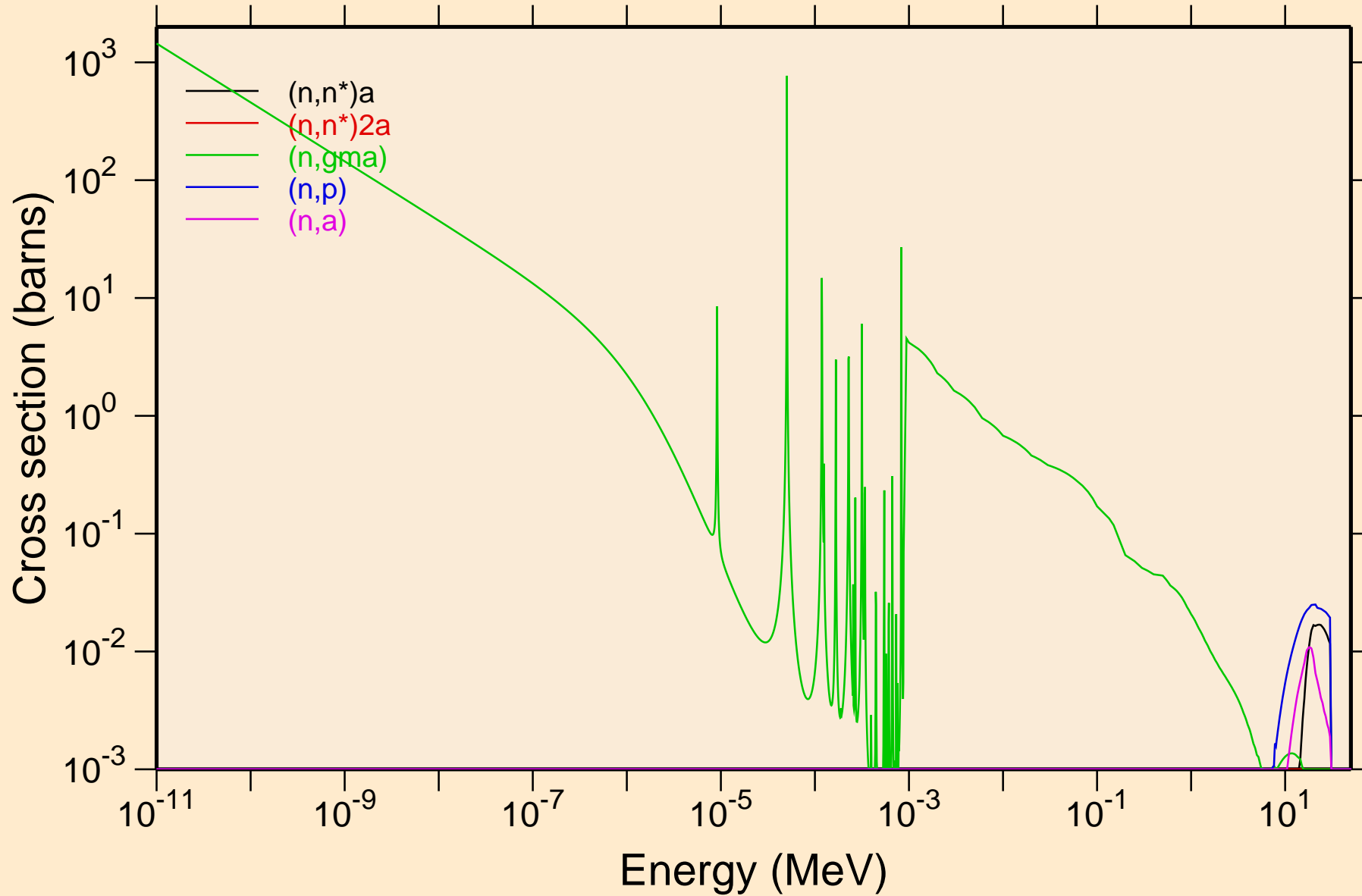
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Heating



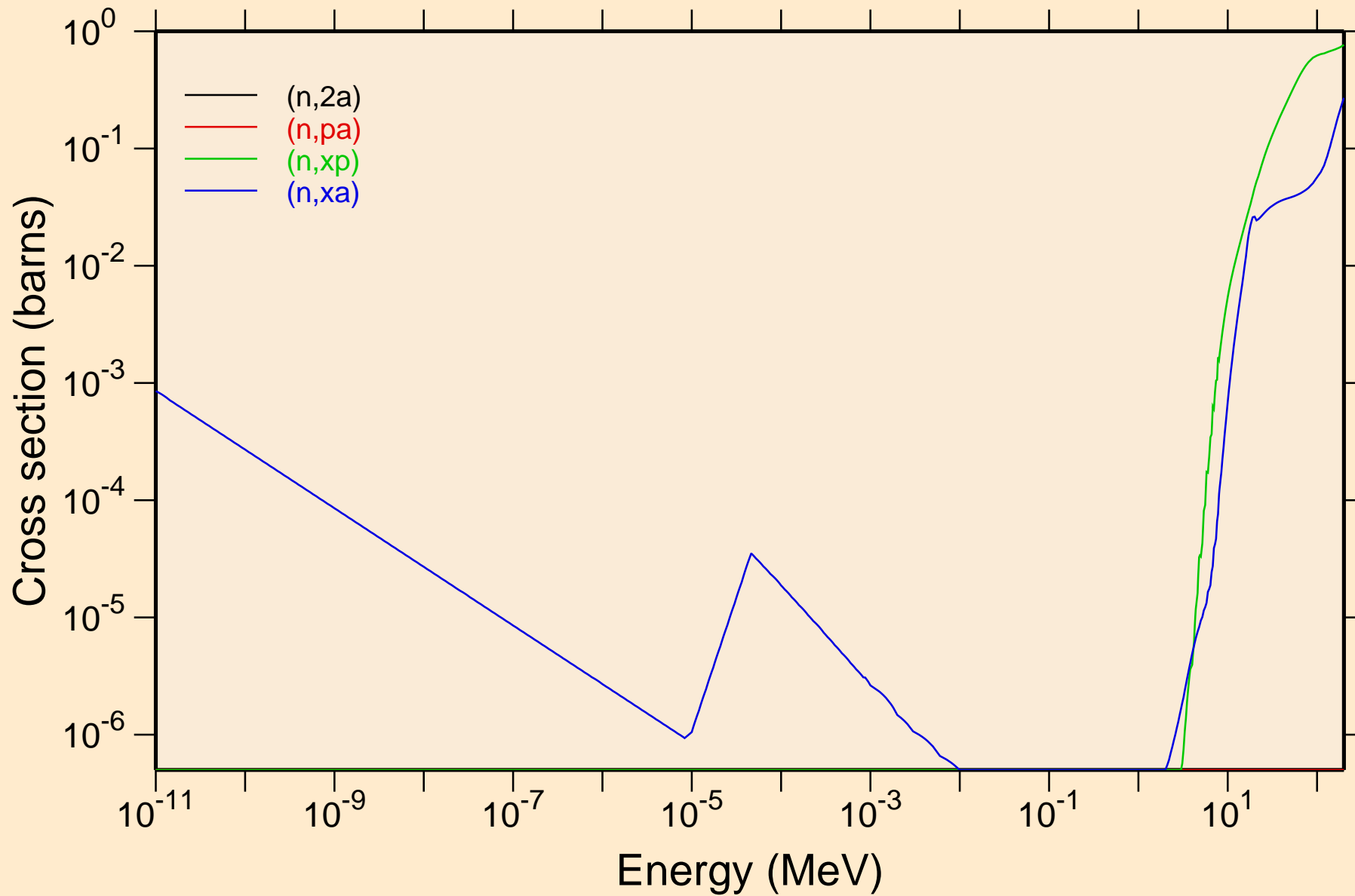
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage



PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

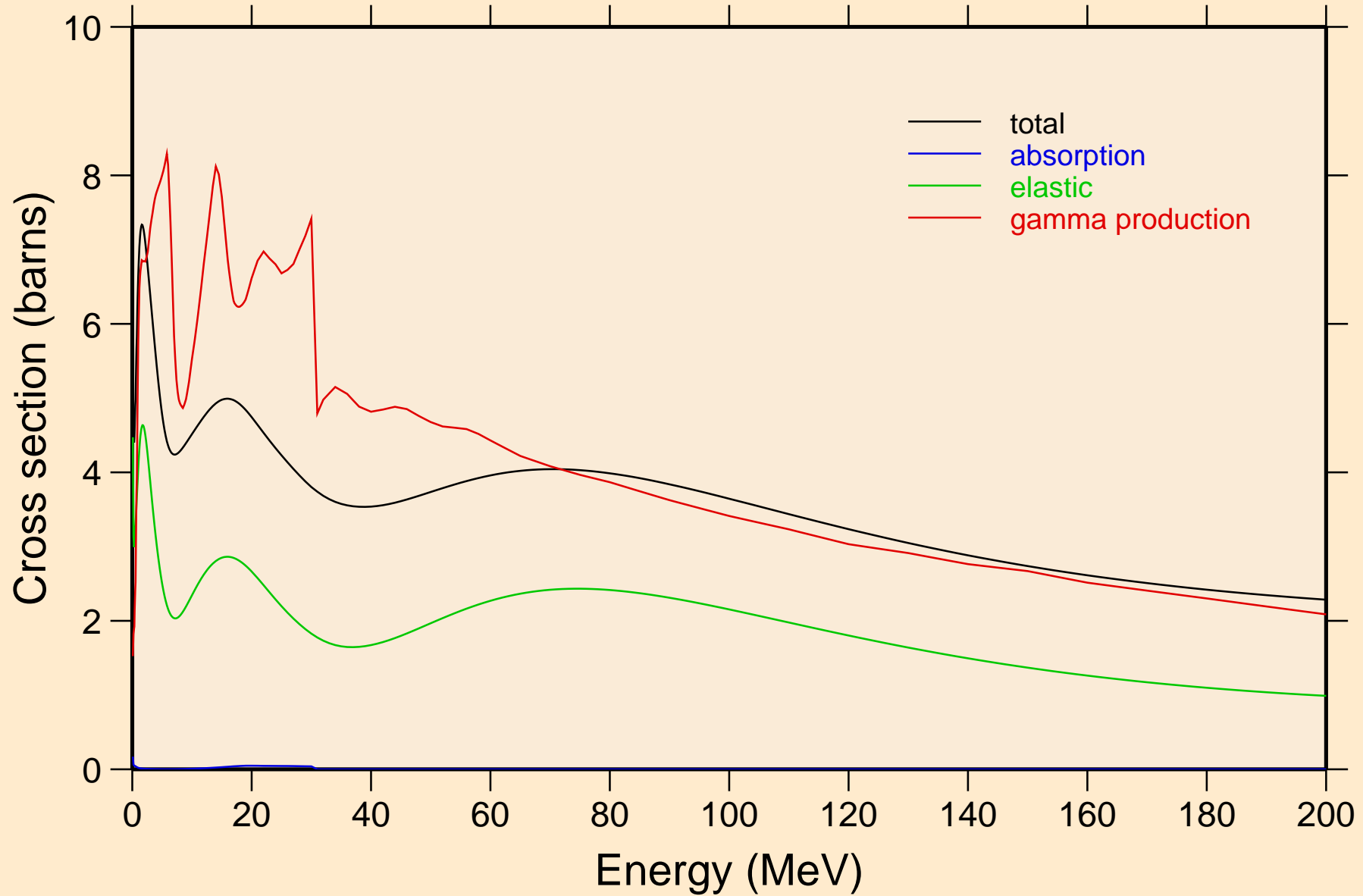


PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



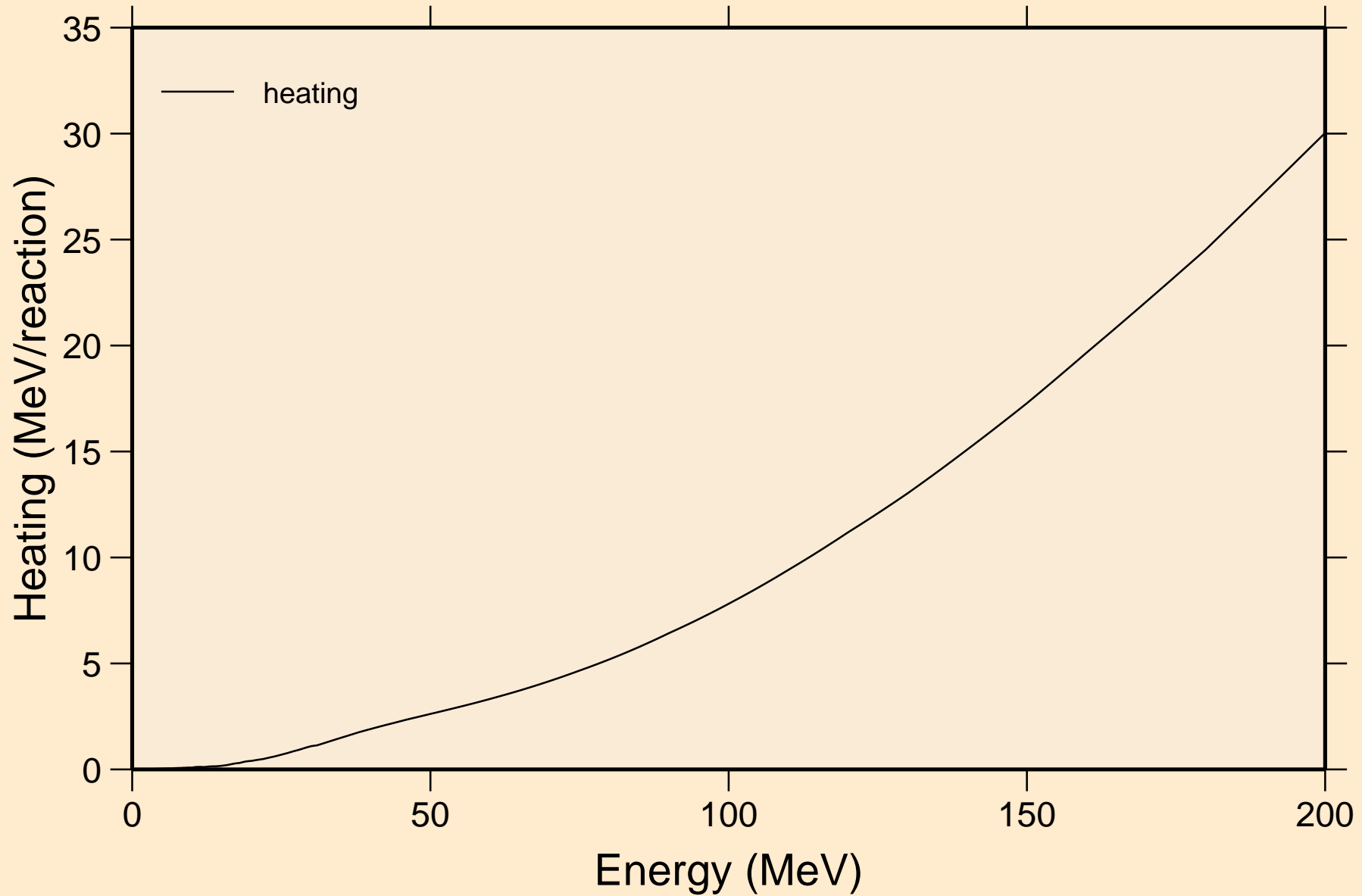
# PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections

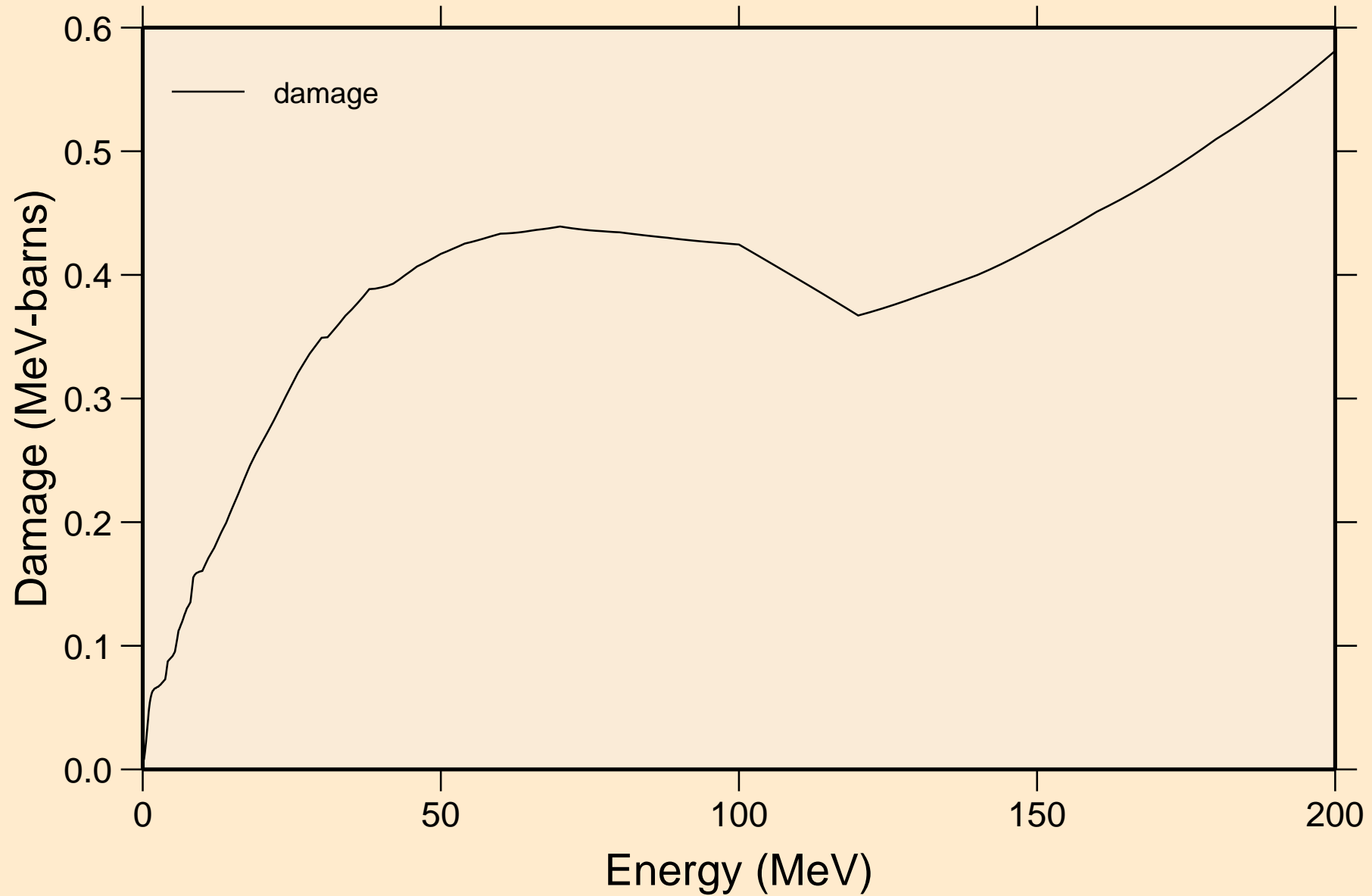


# PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

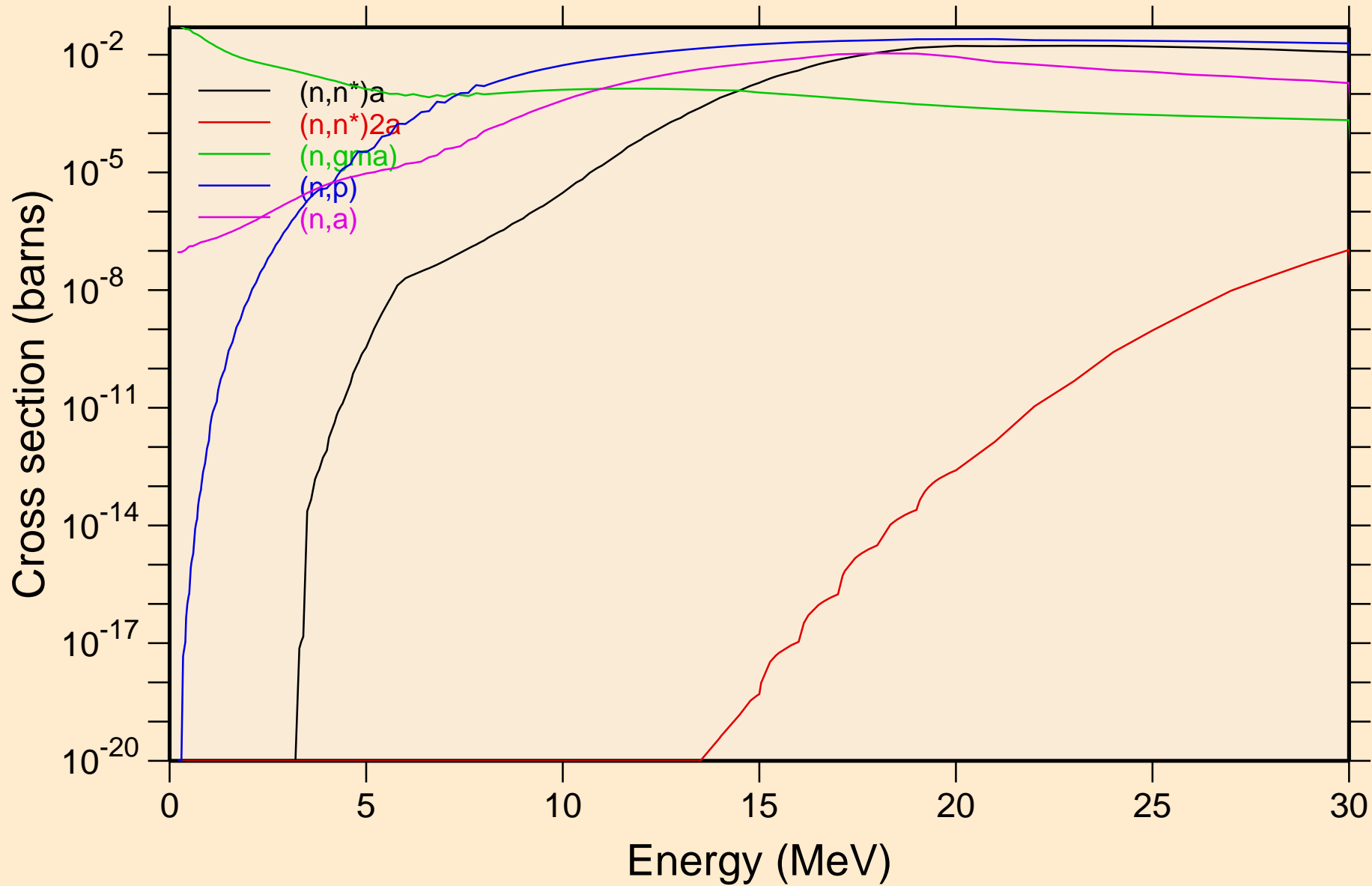


PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage

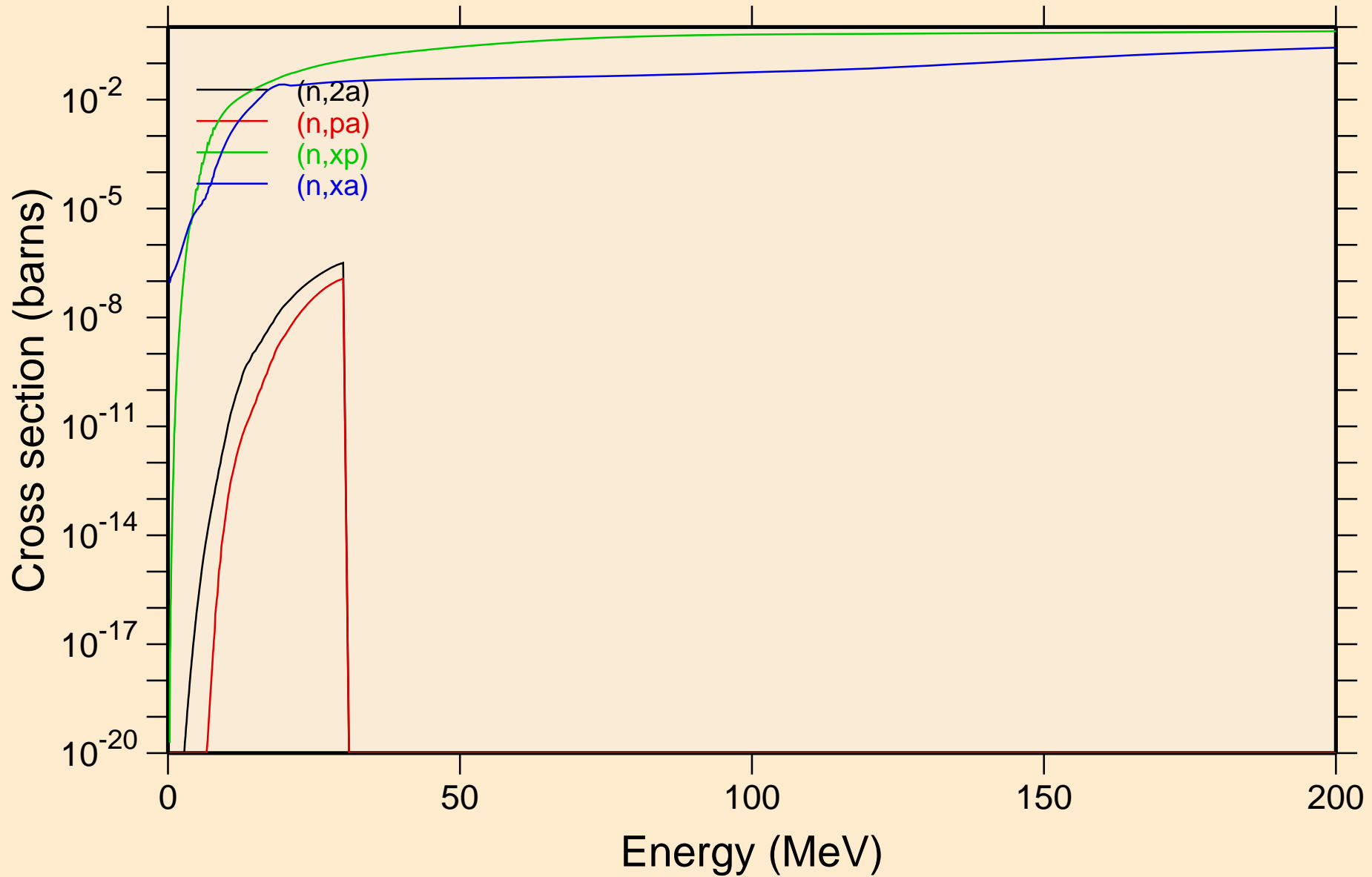




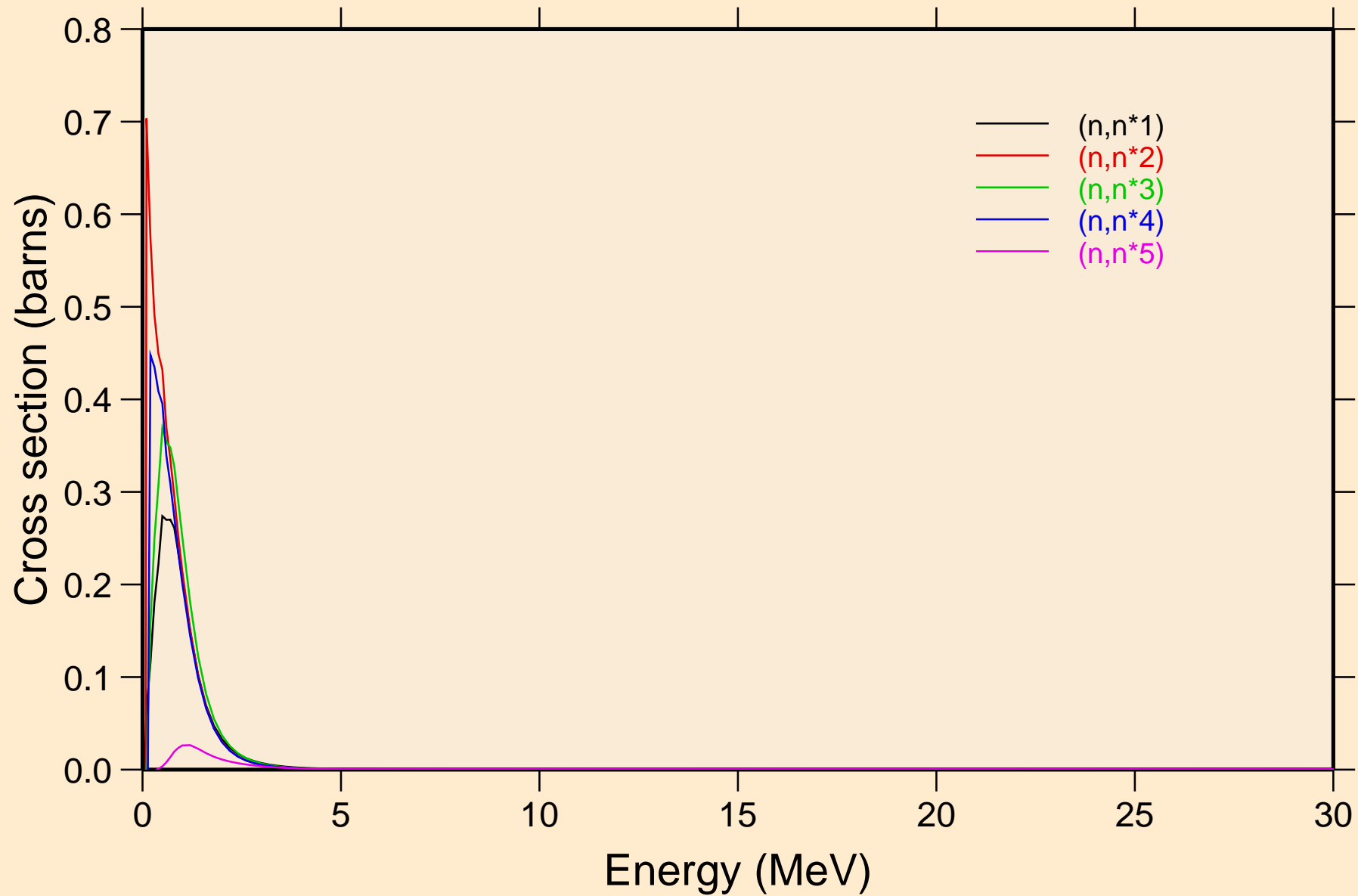
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



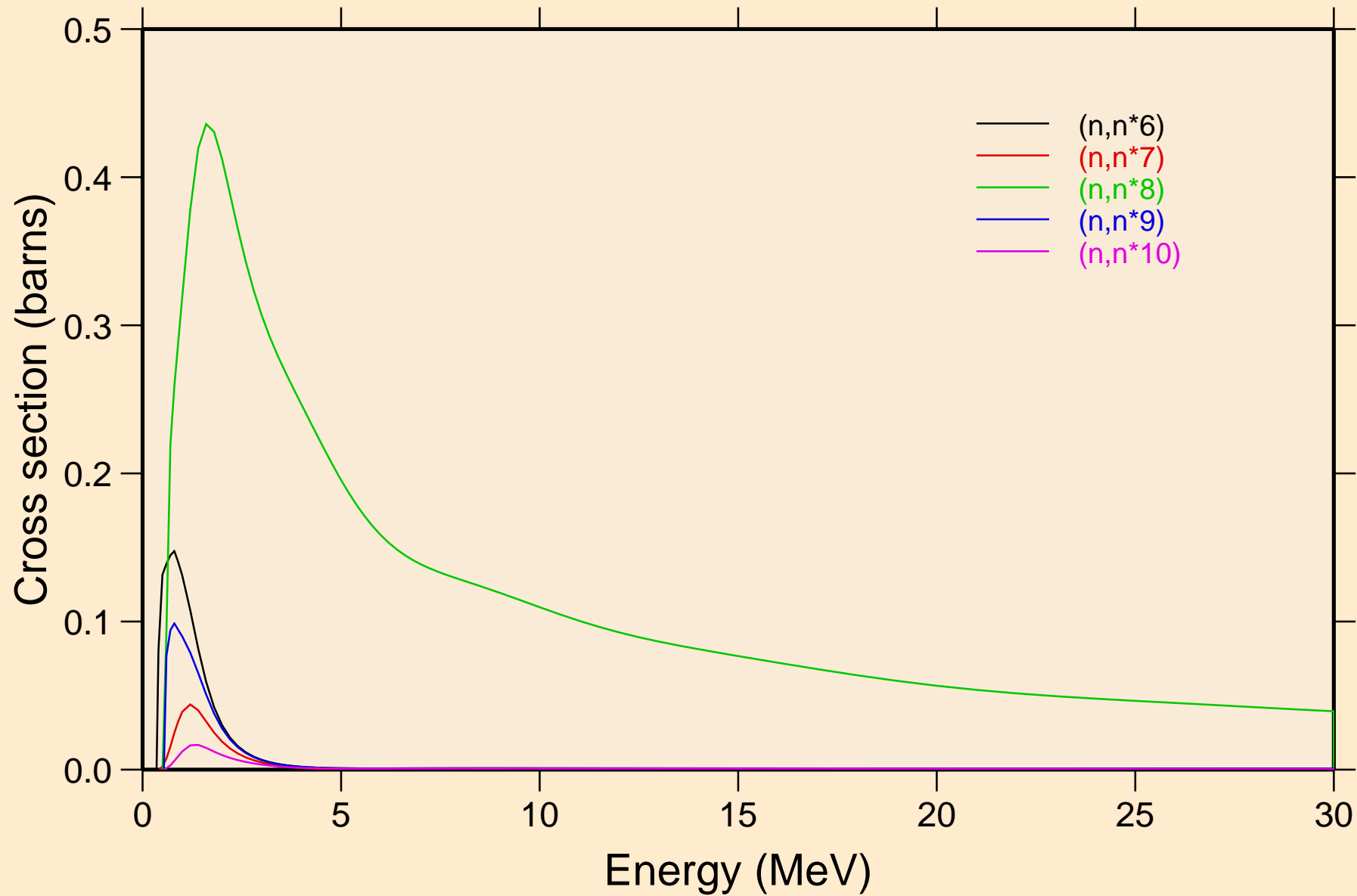
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



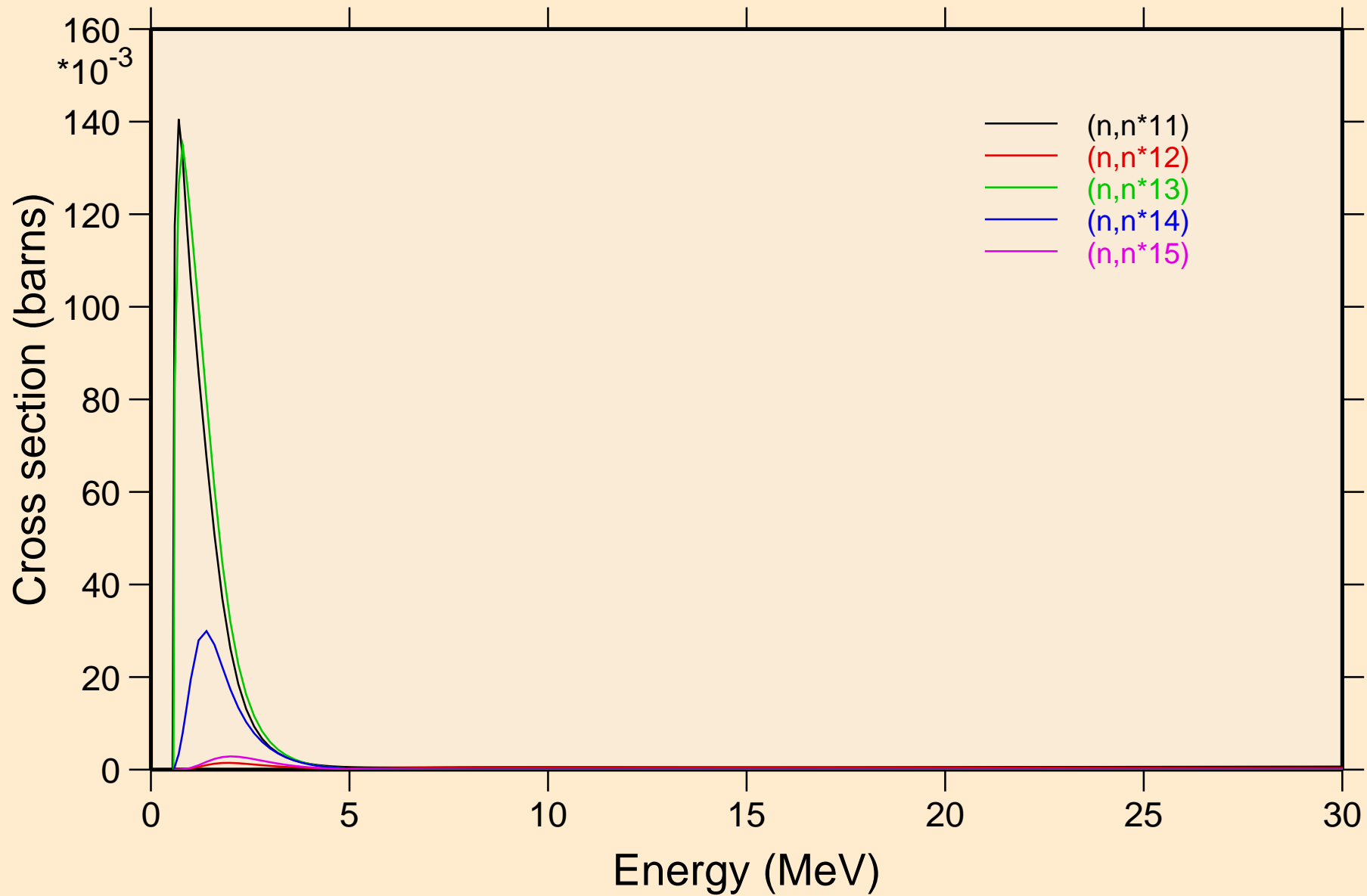
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



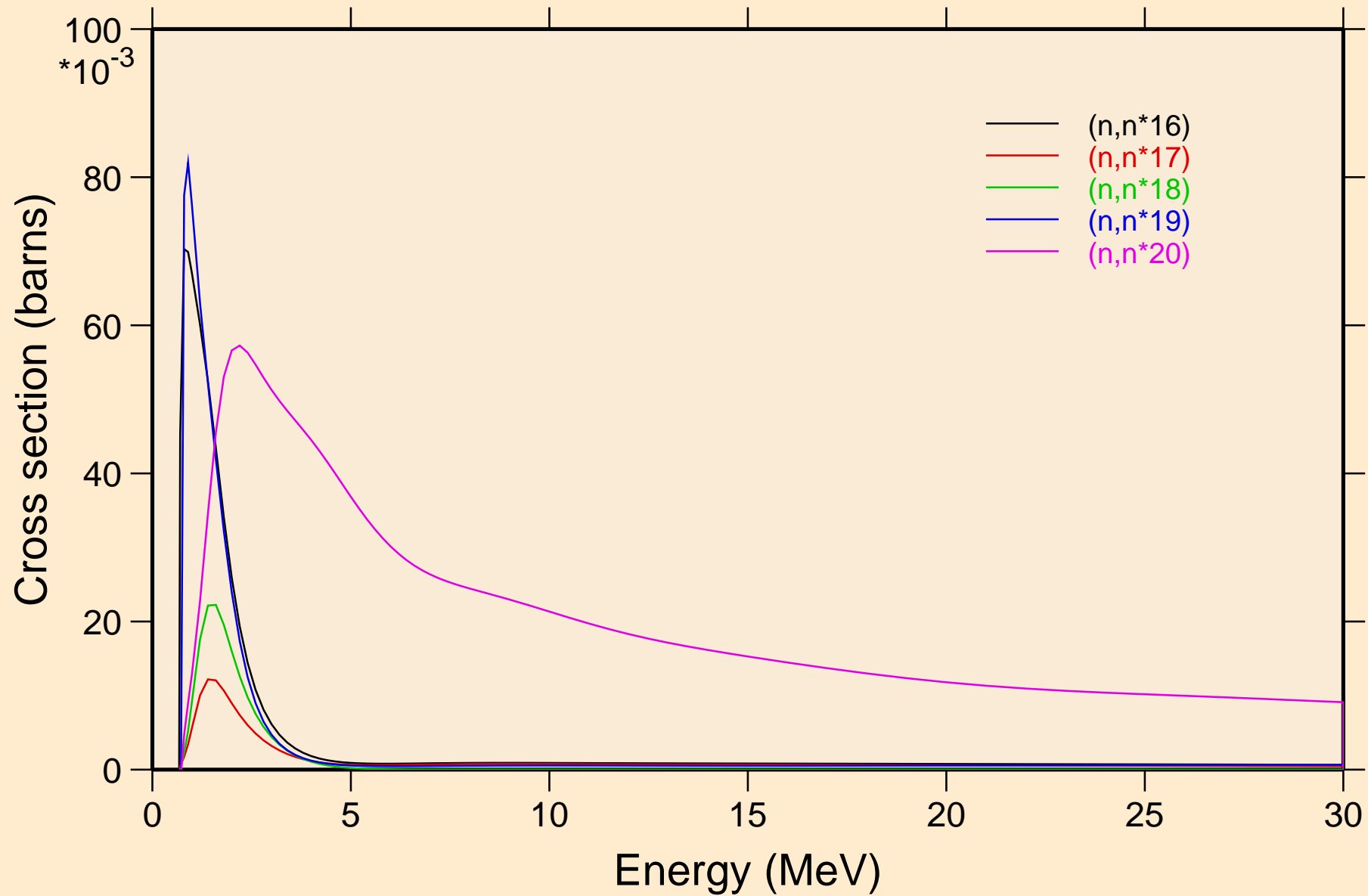
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



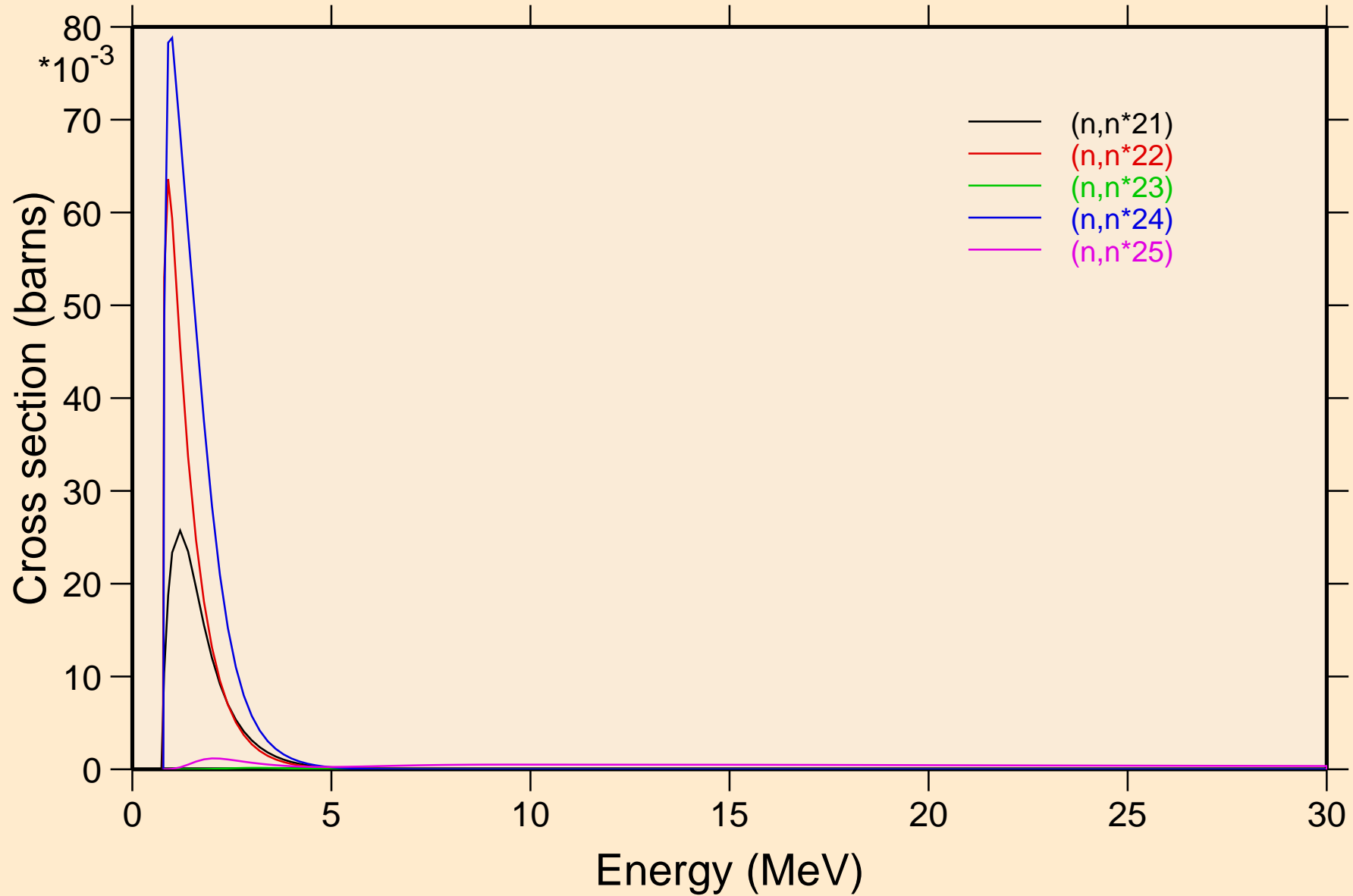
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



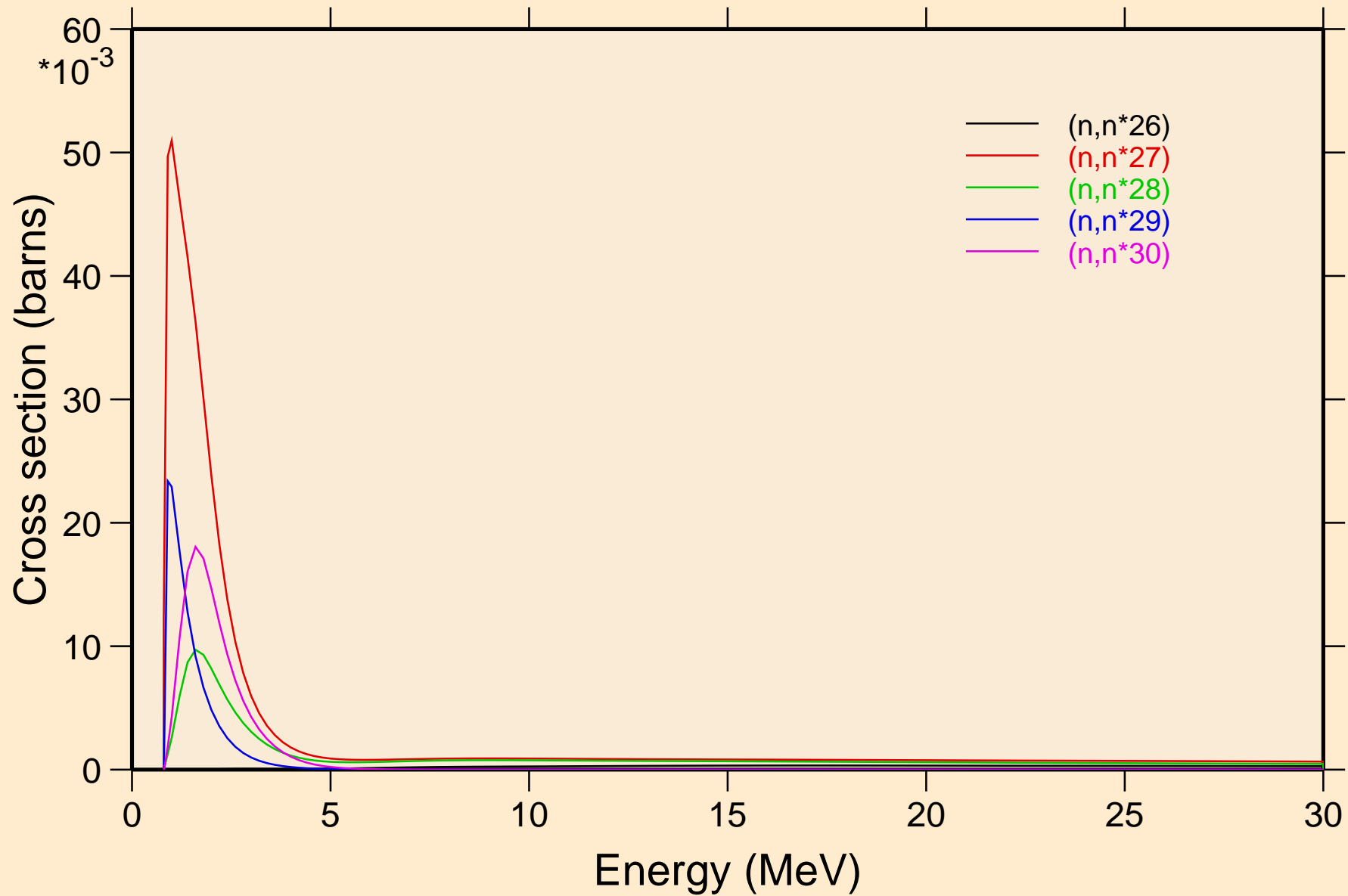
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

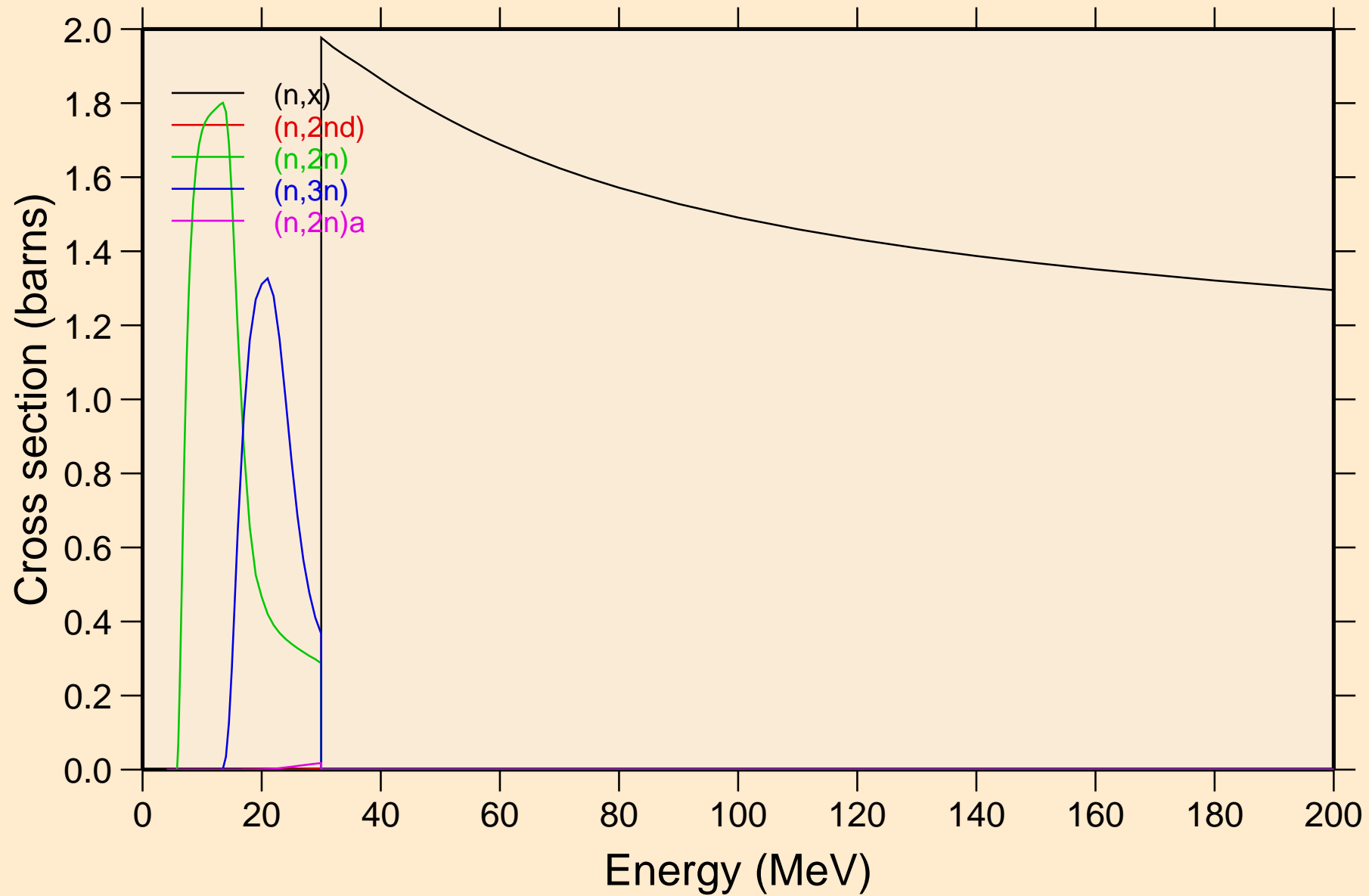


PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

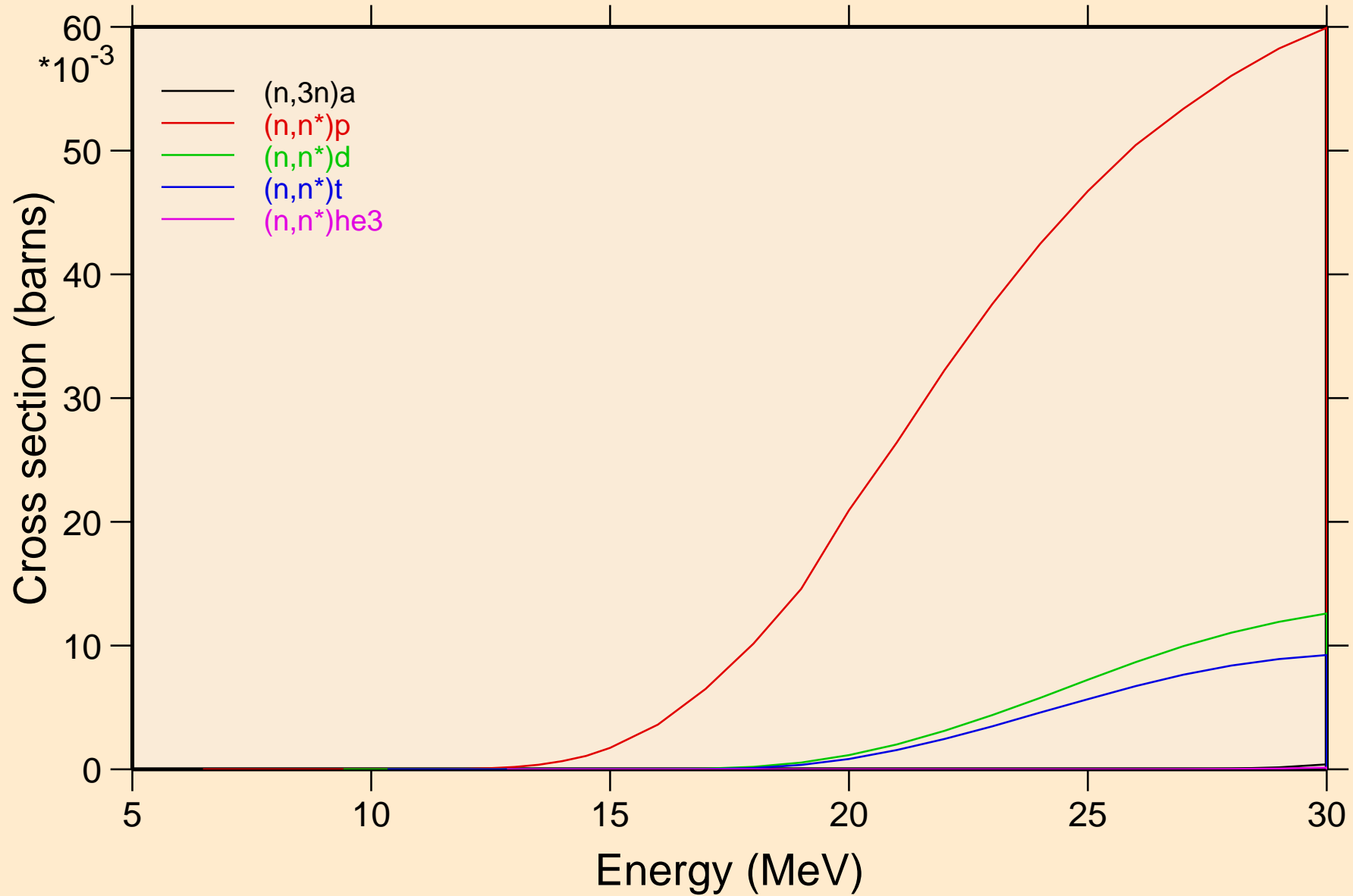




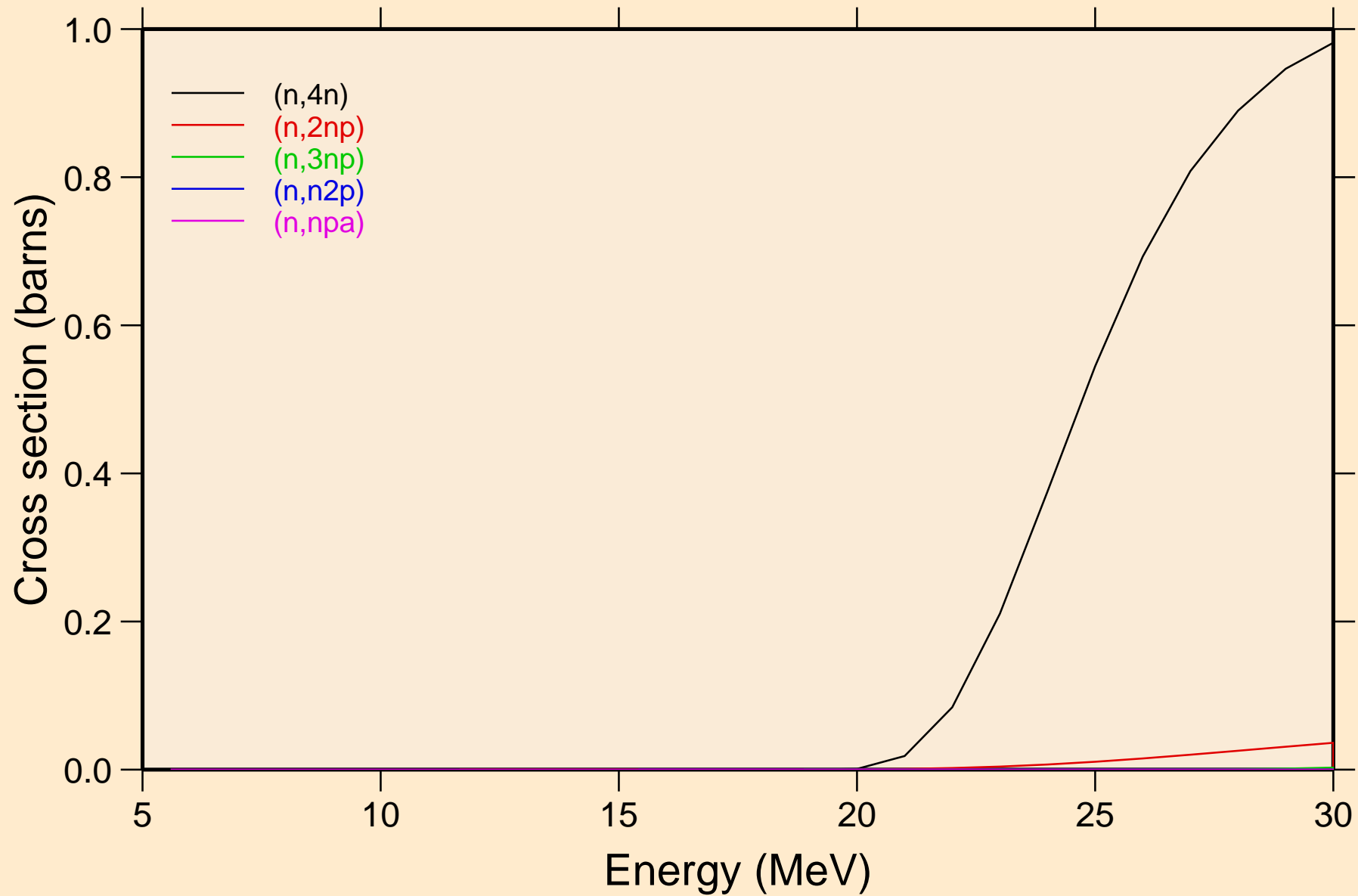
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



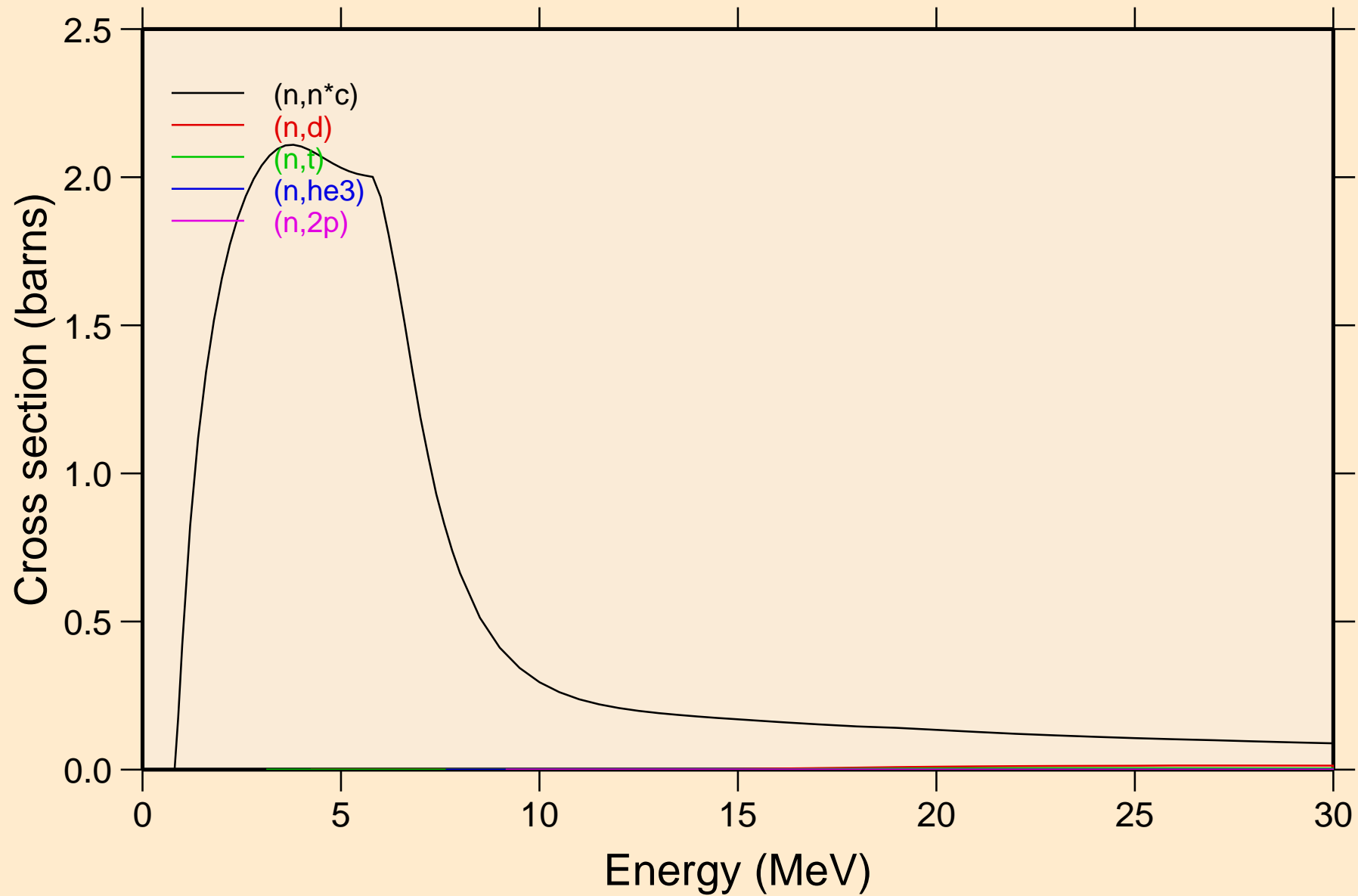
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



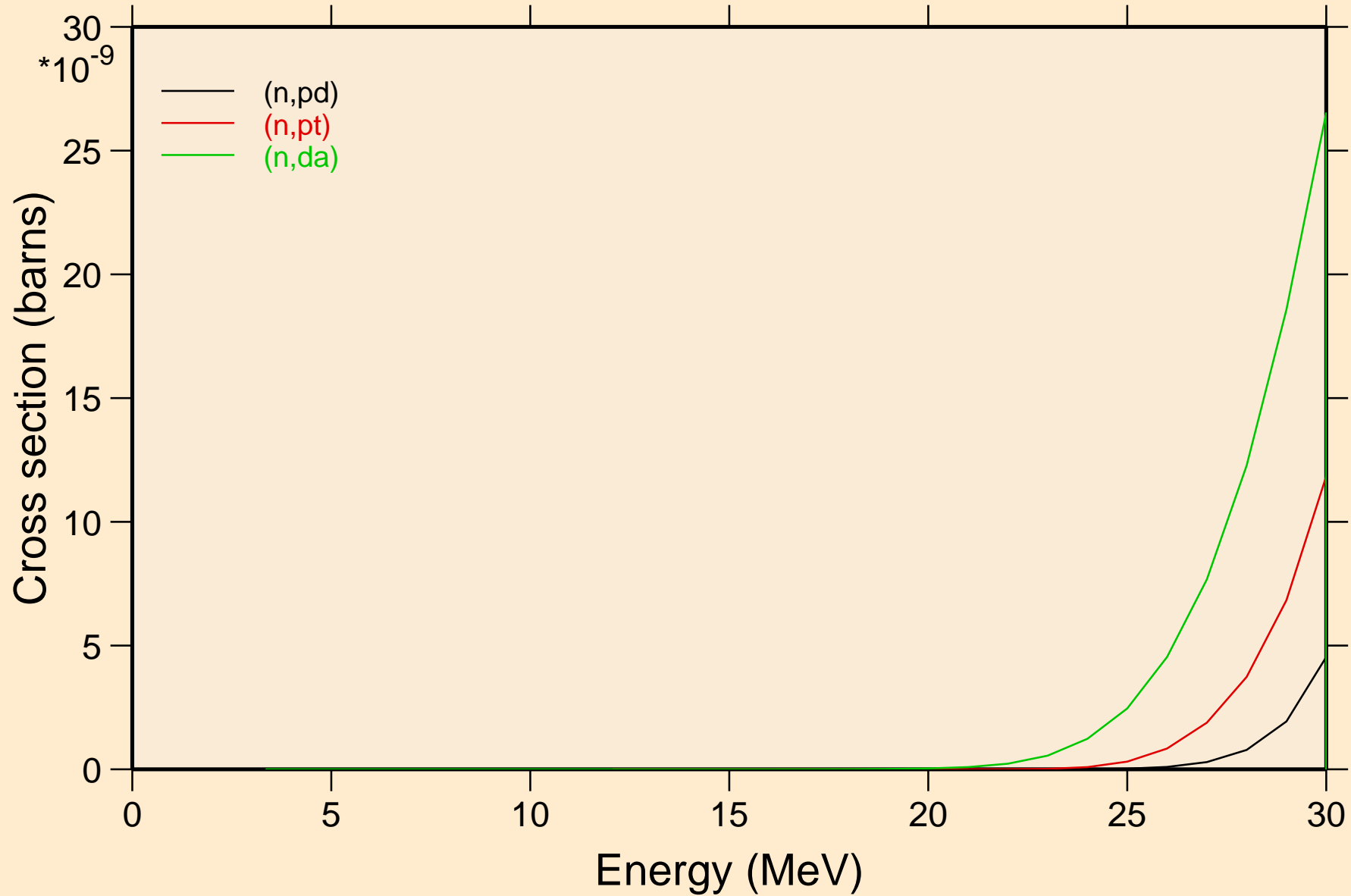
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



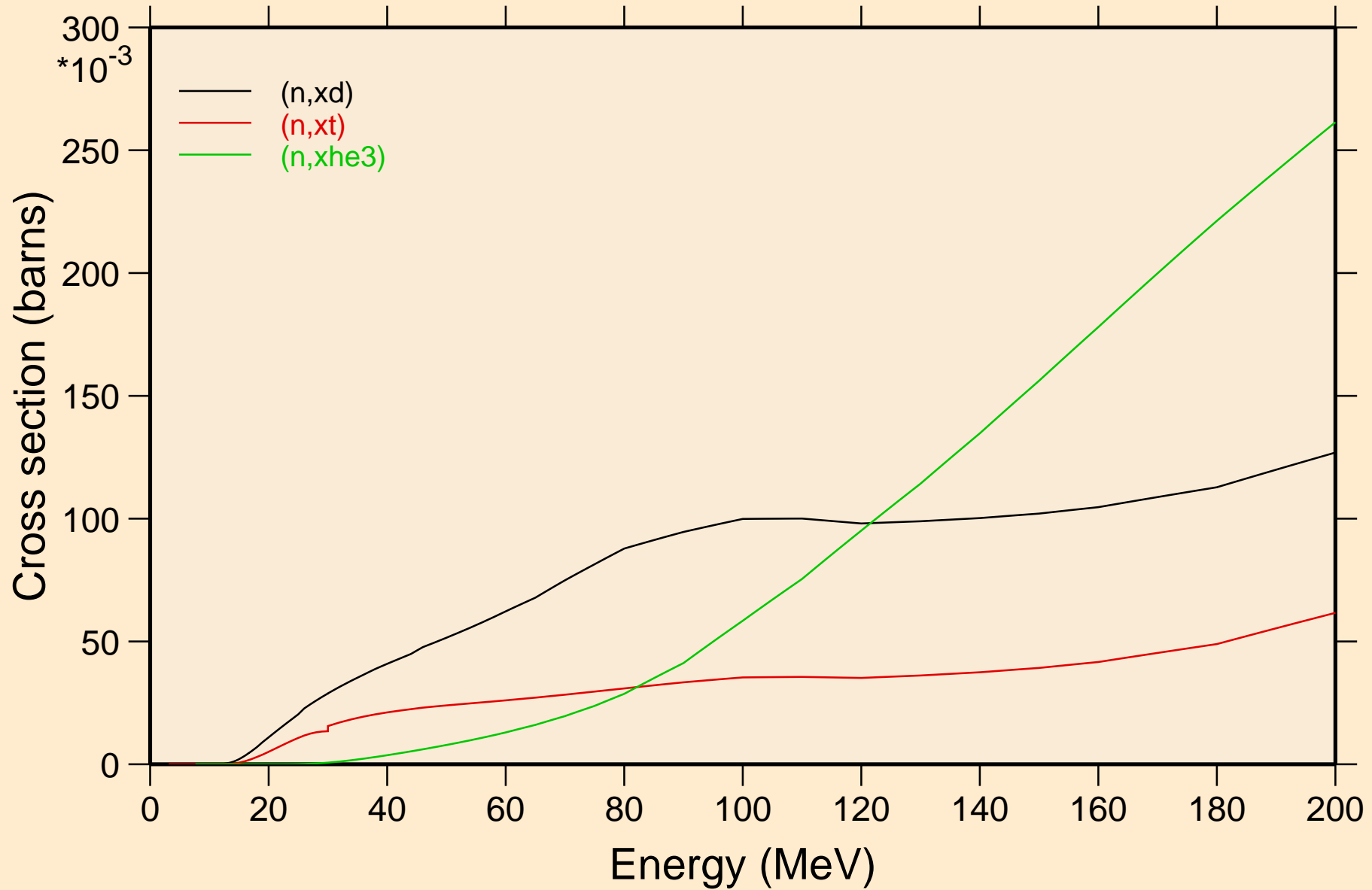
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



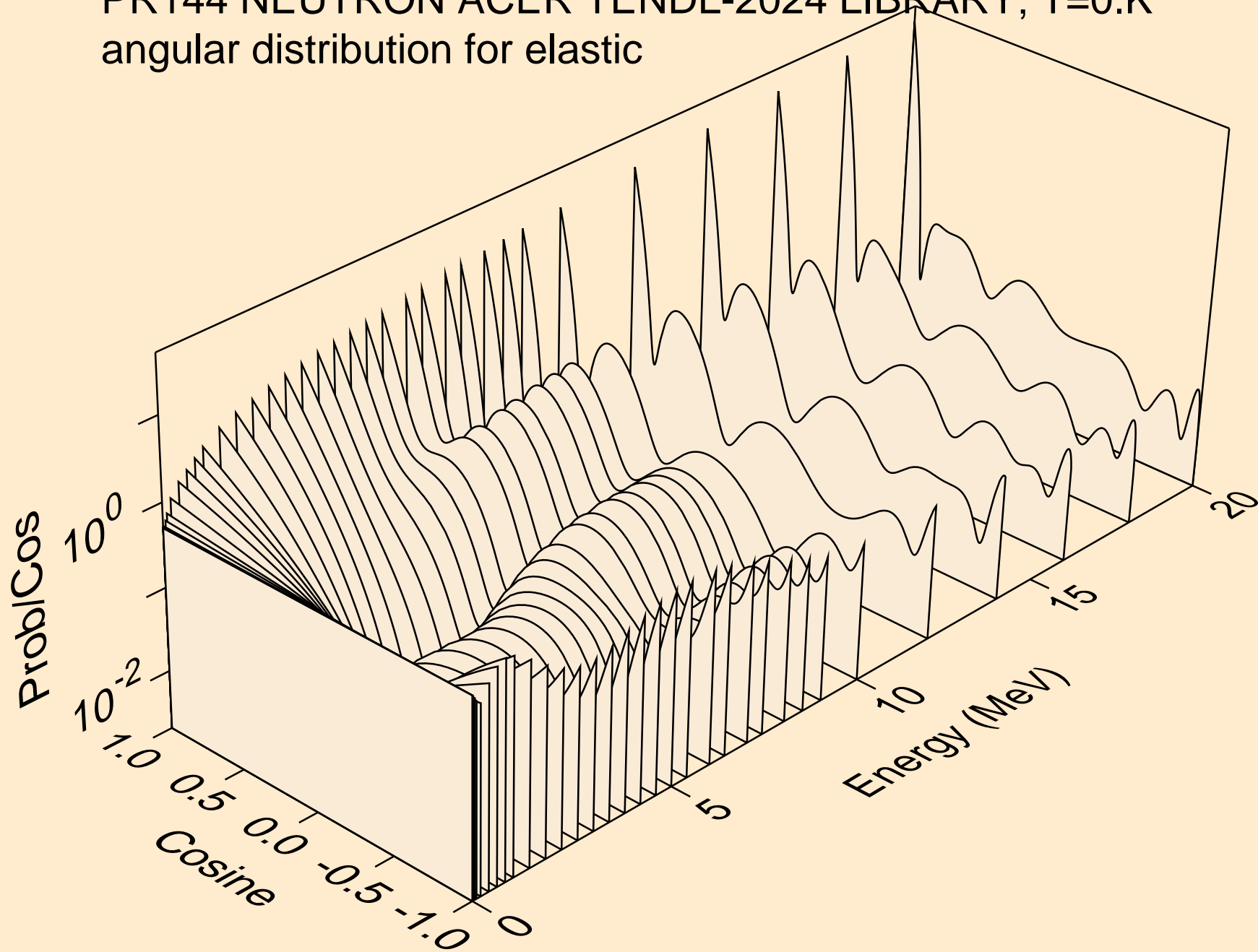
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



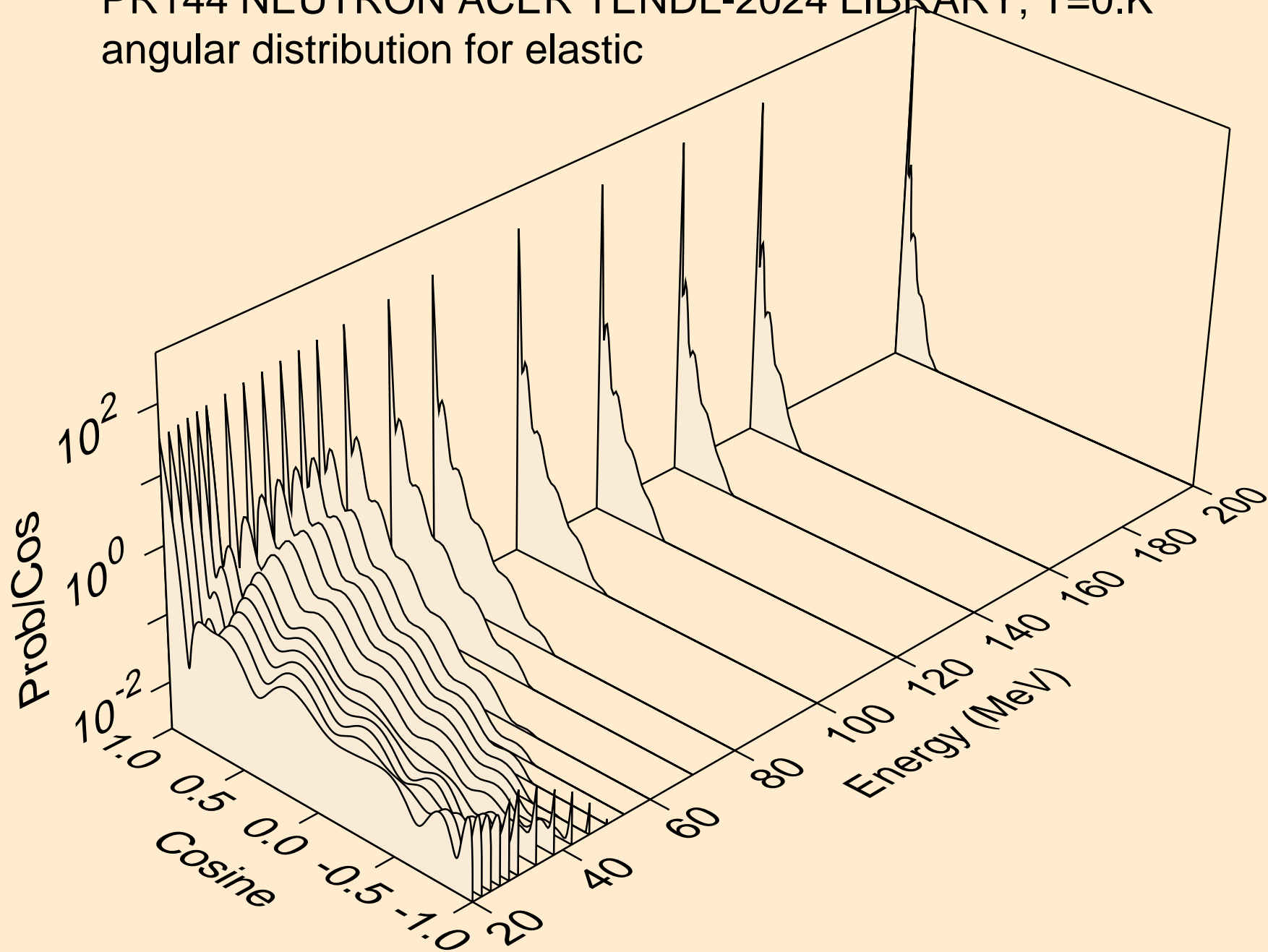
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

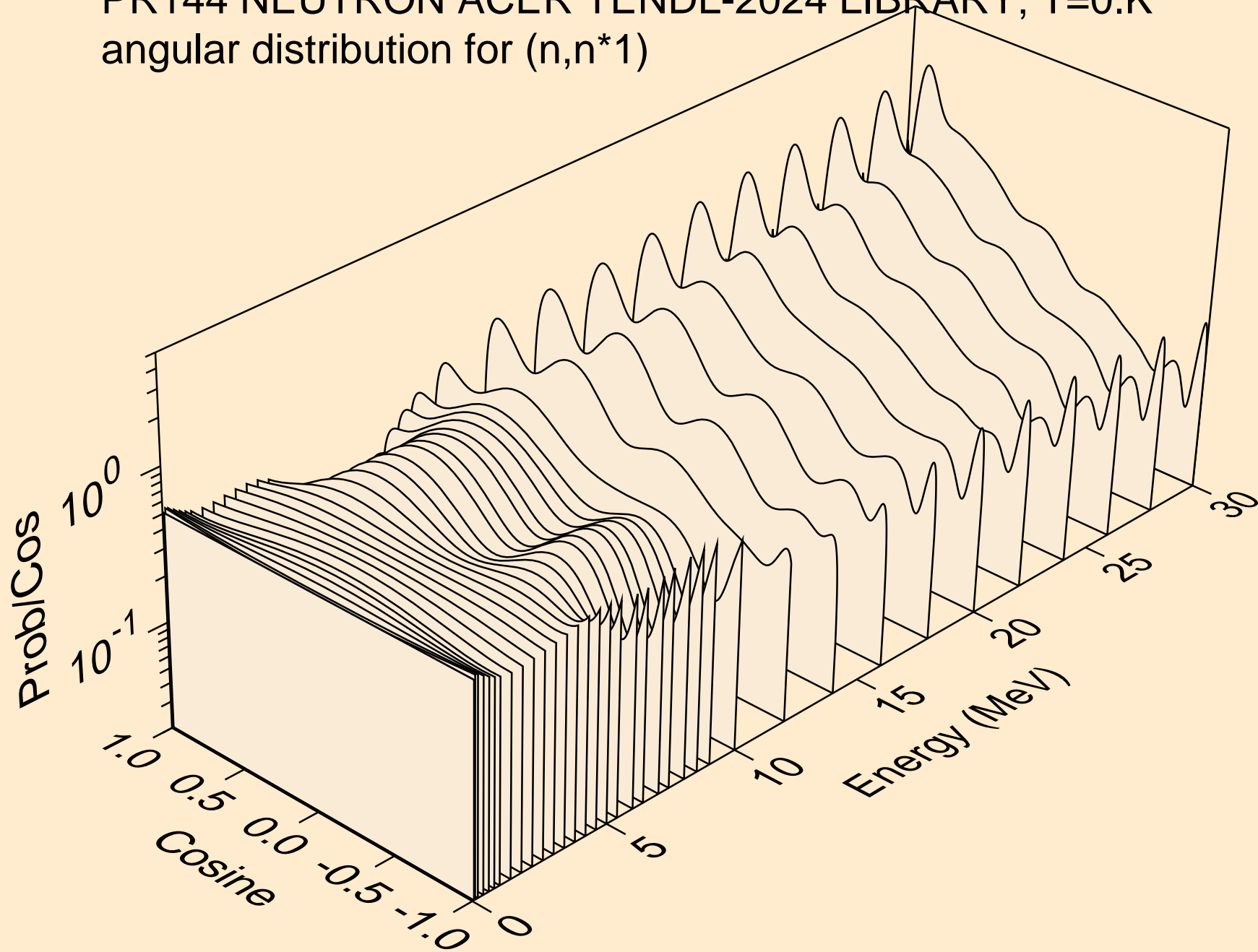


PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

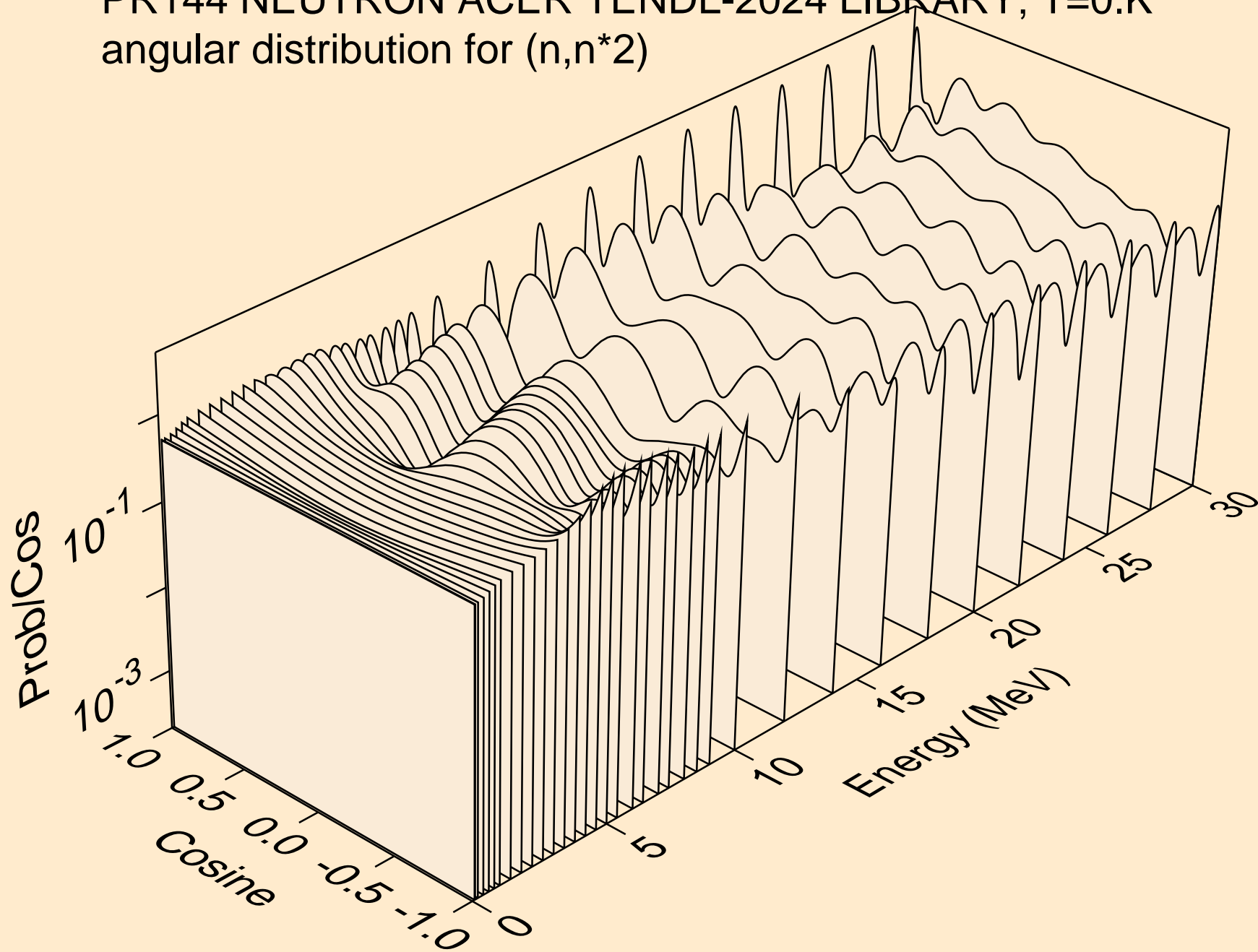




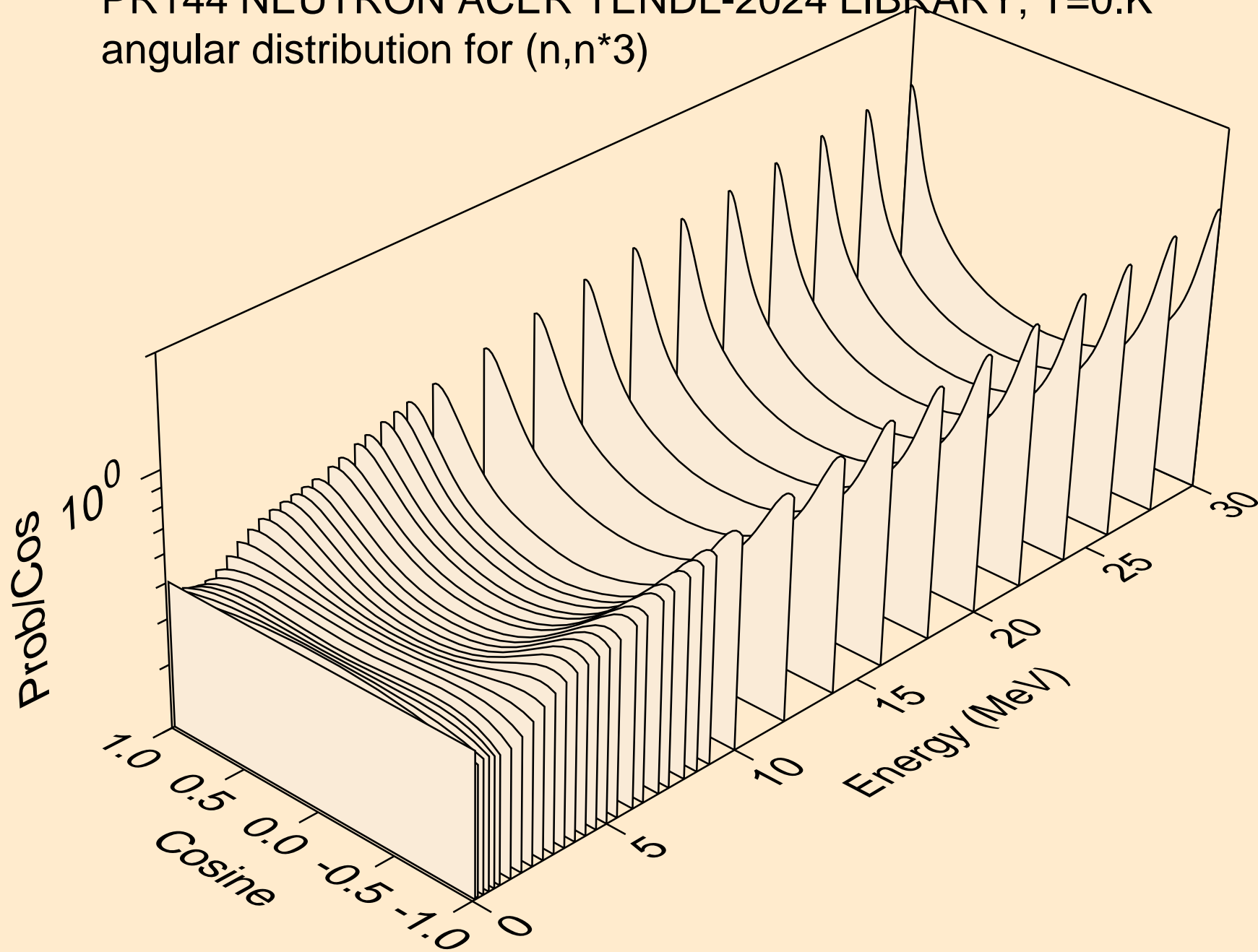
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



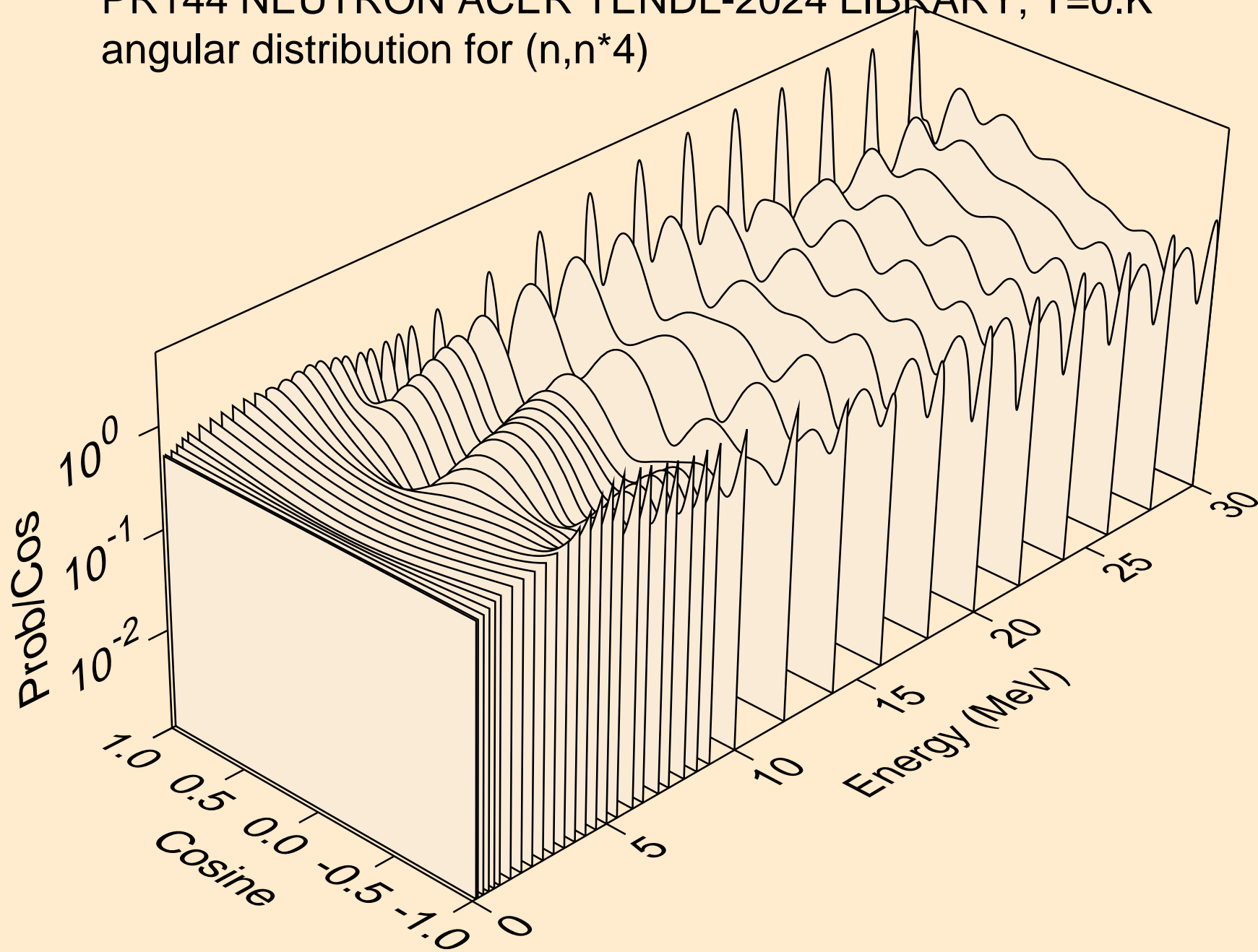
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



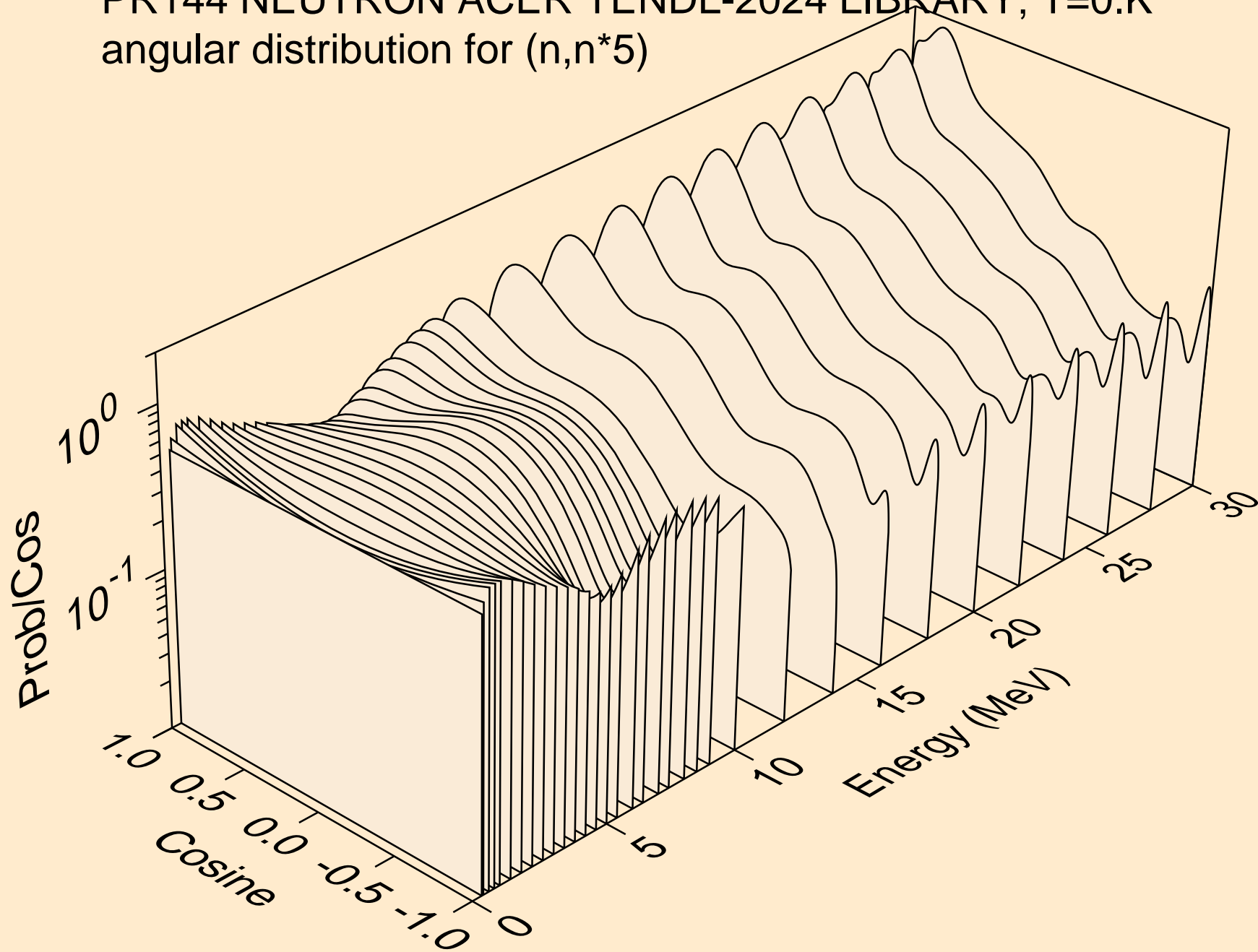
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



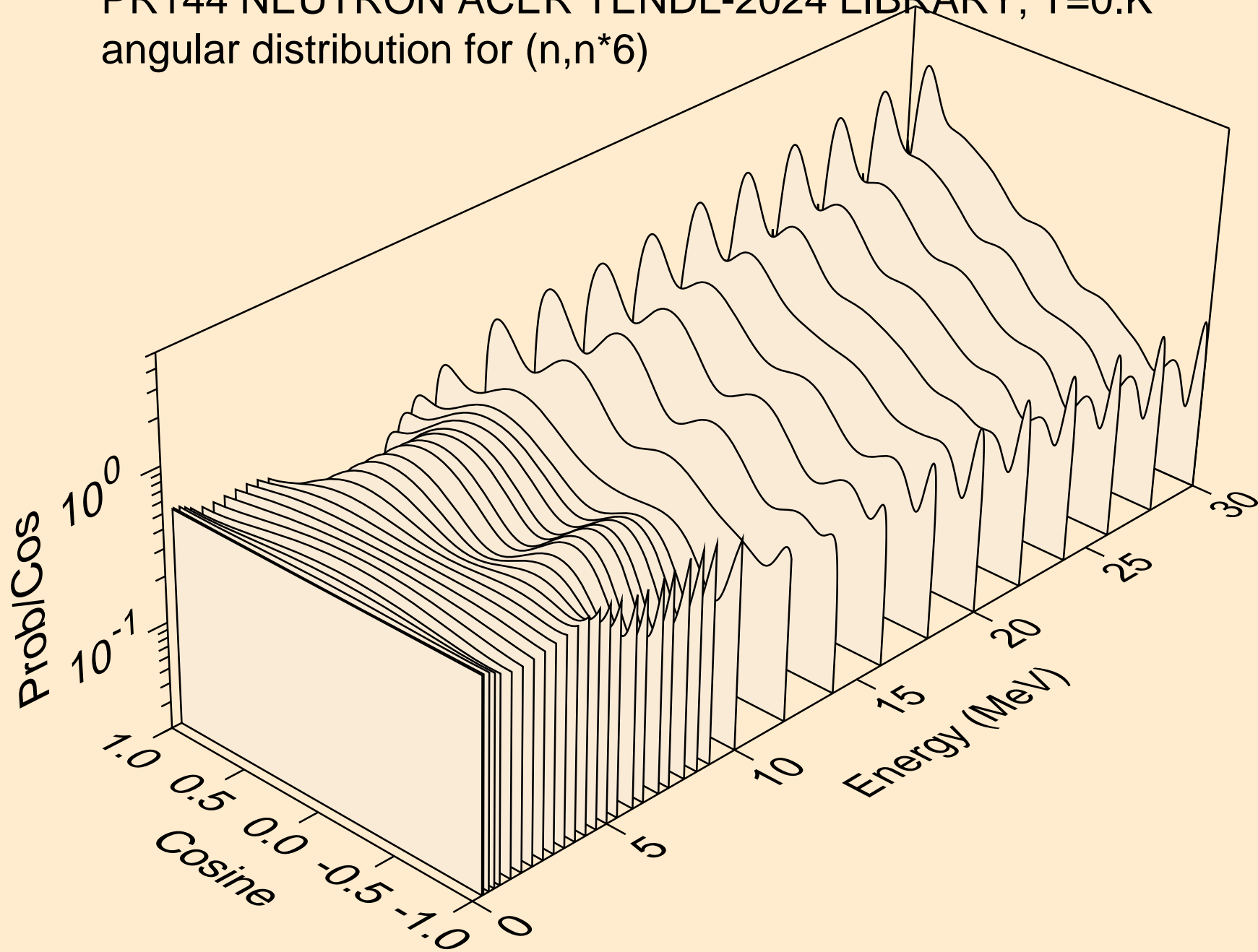
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



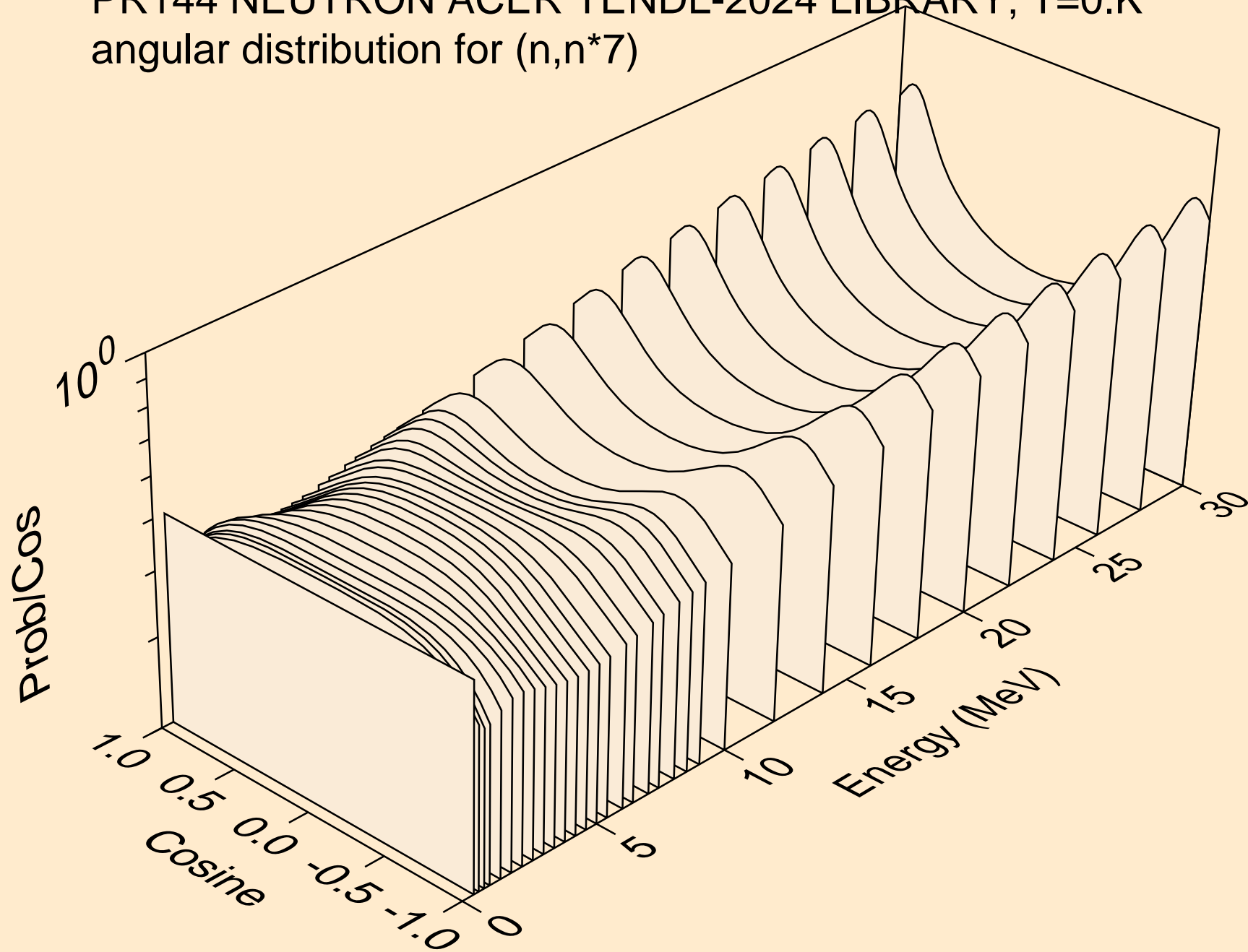
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



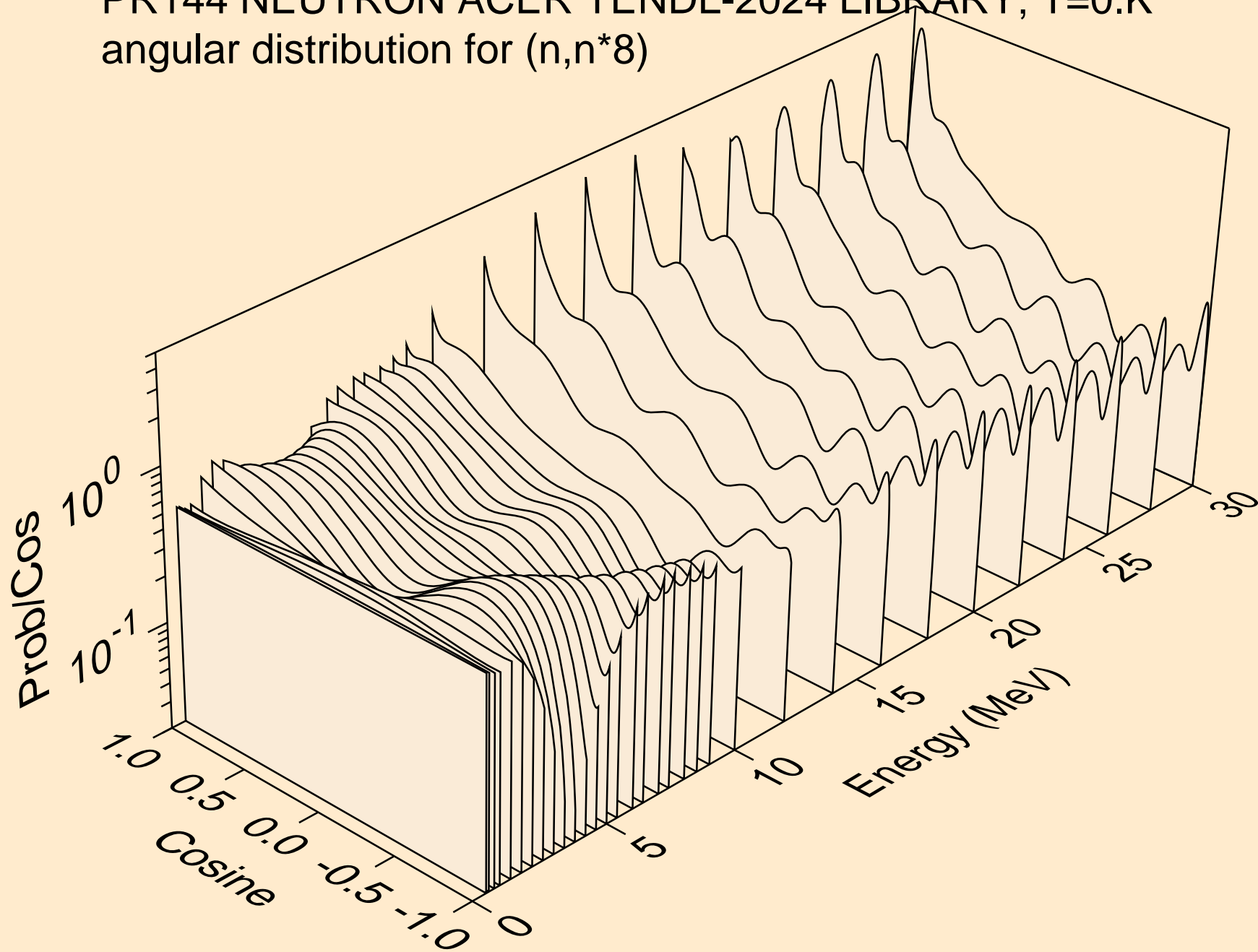
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)

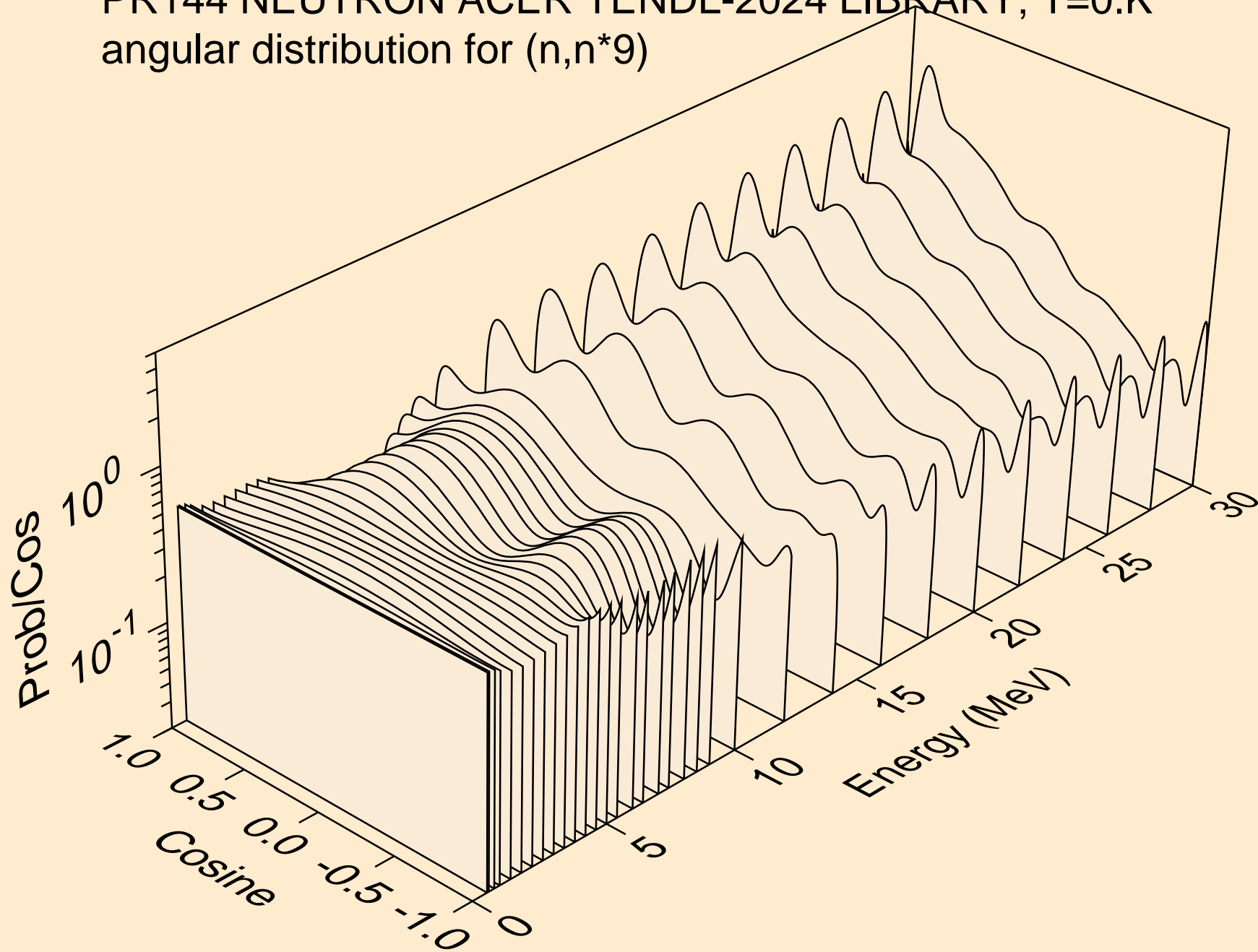


PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)

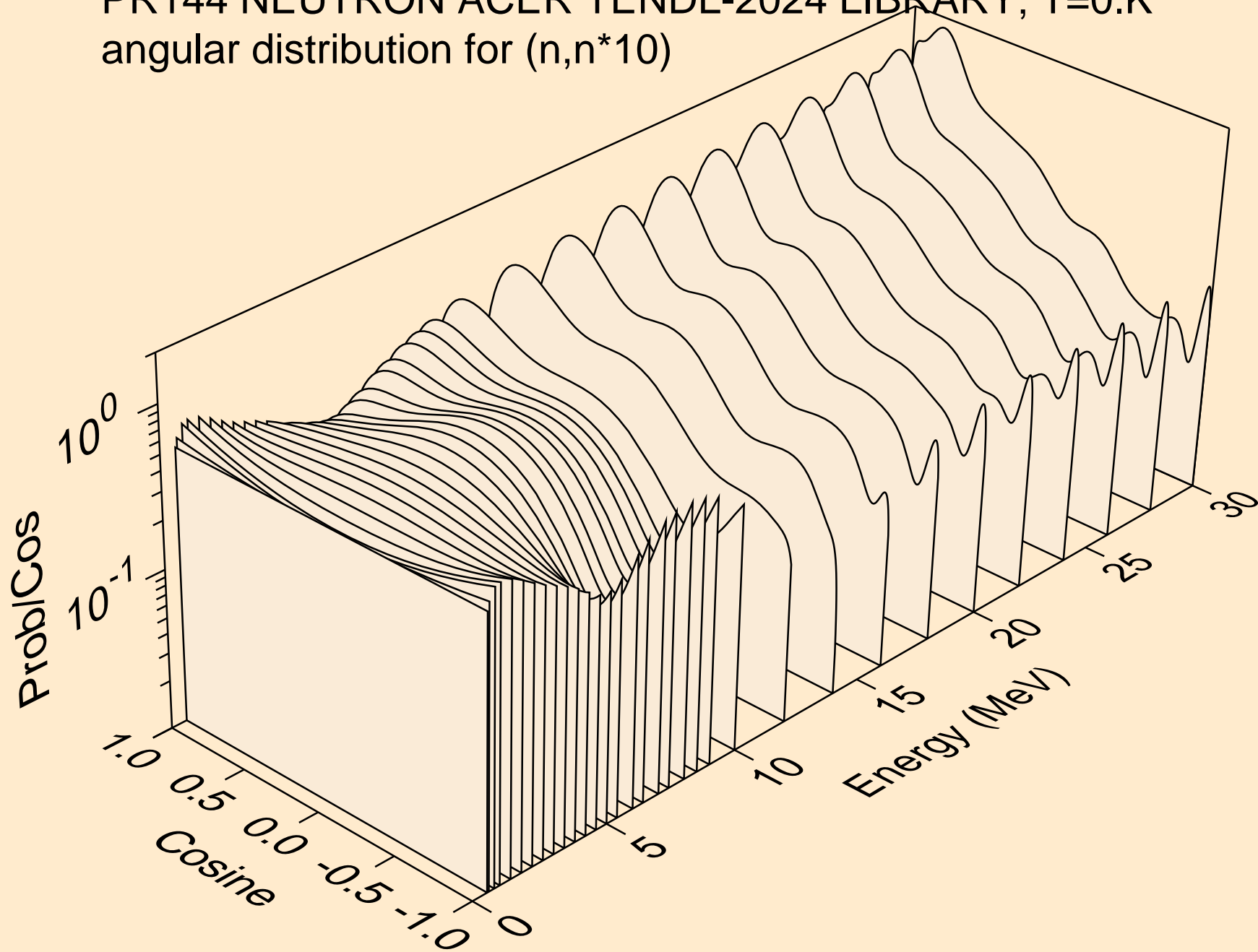




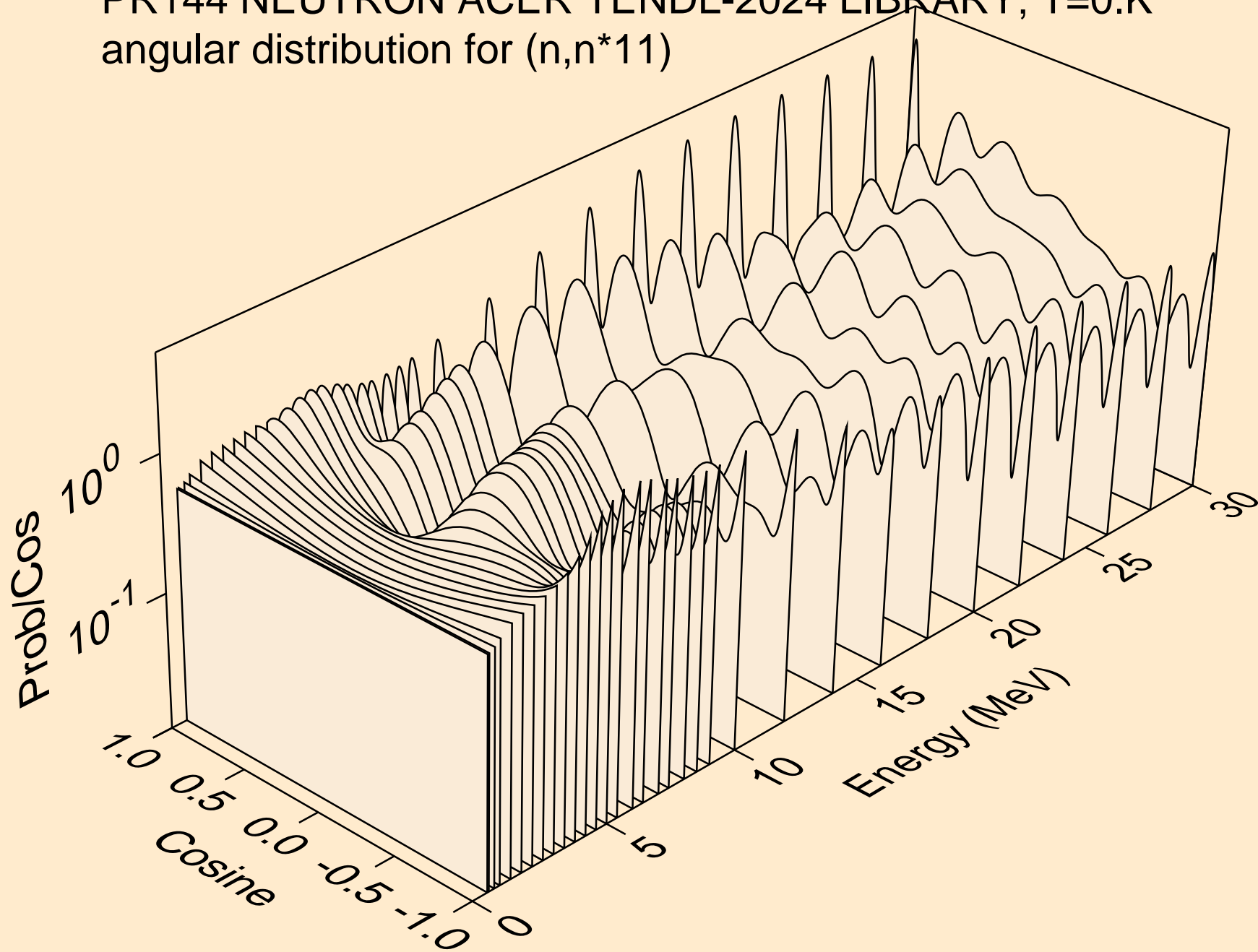
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



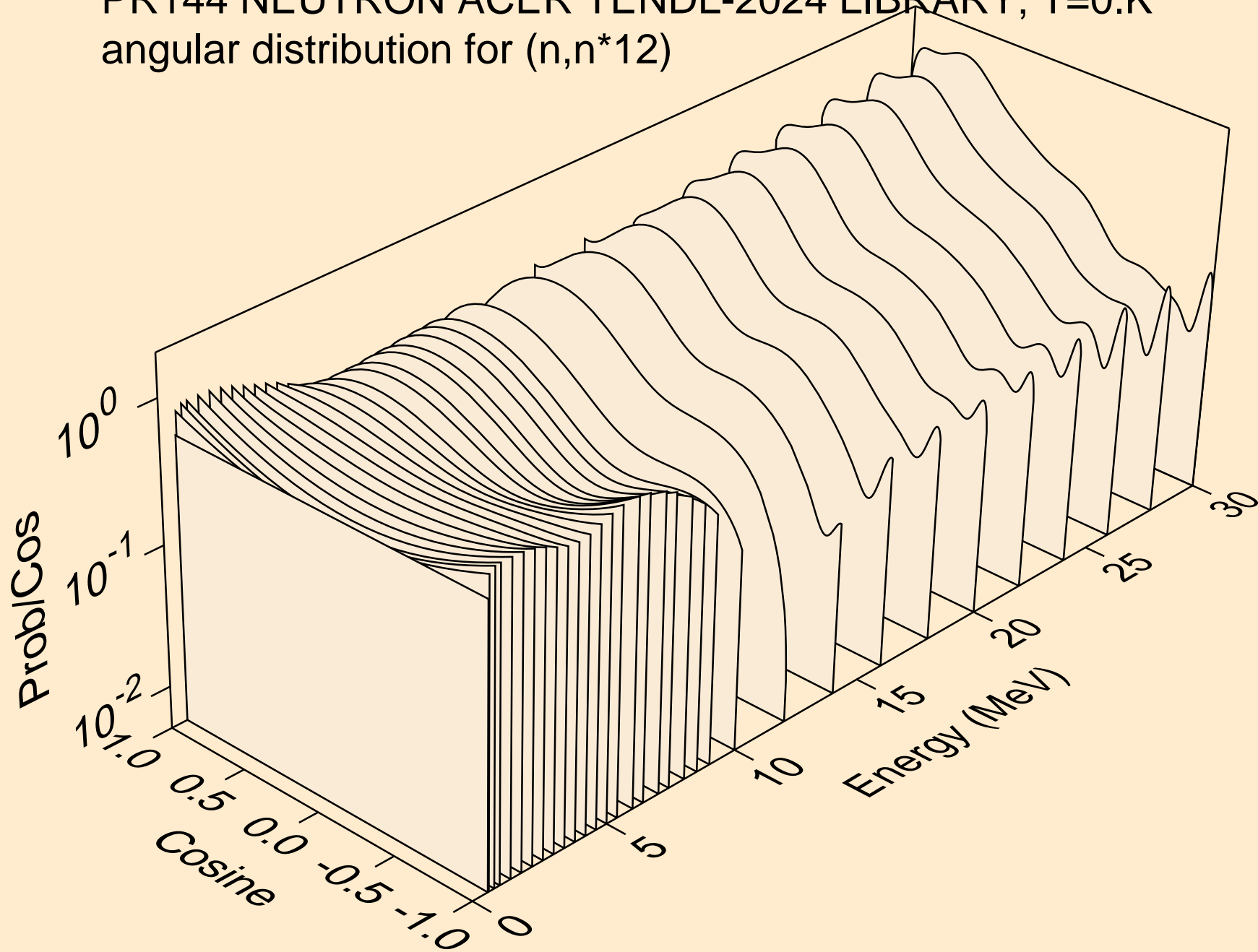
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



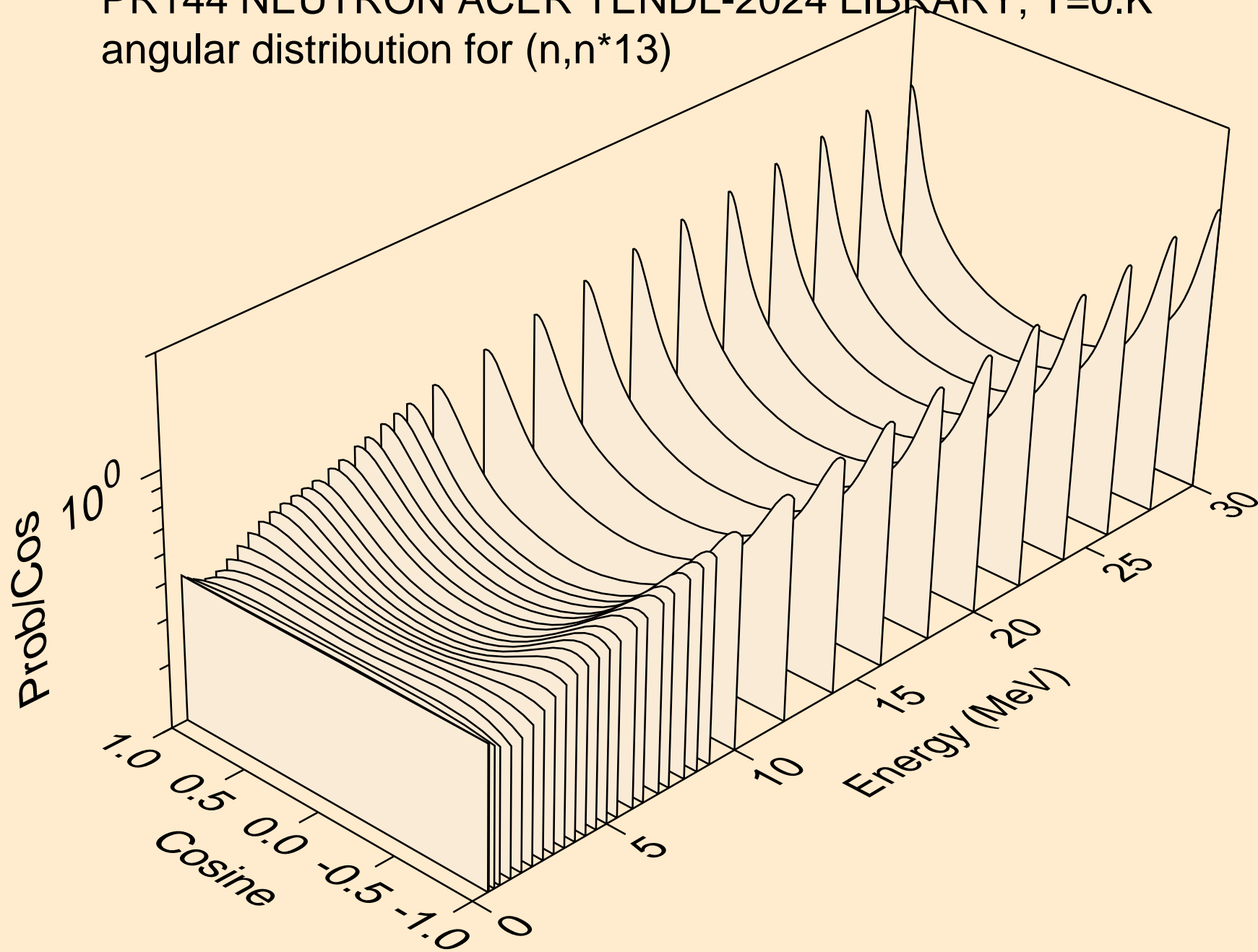
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



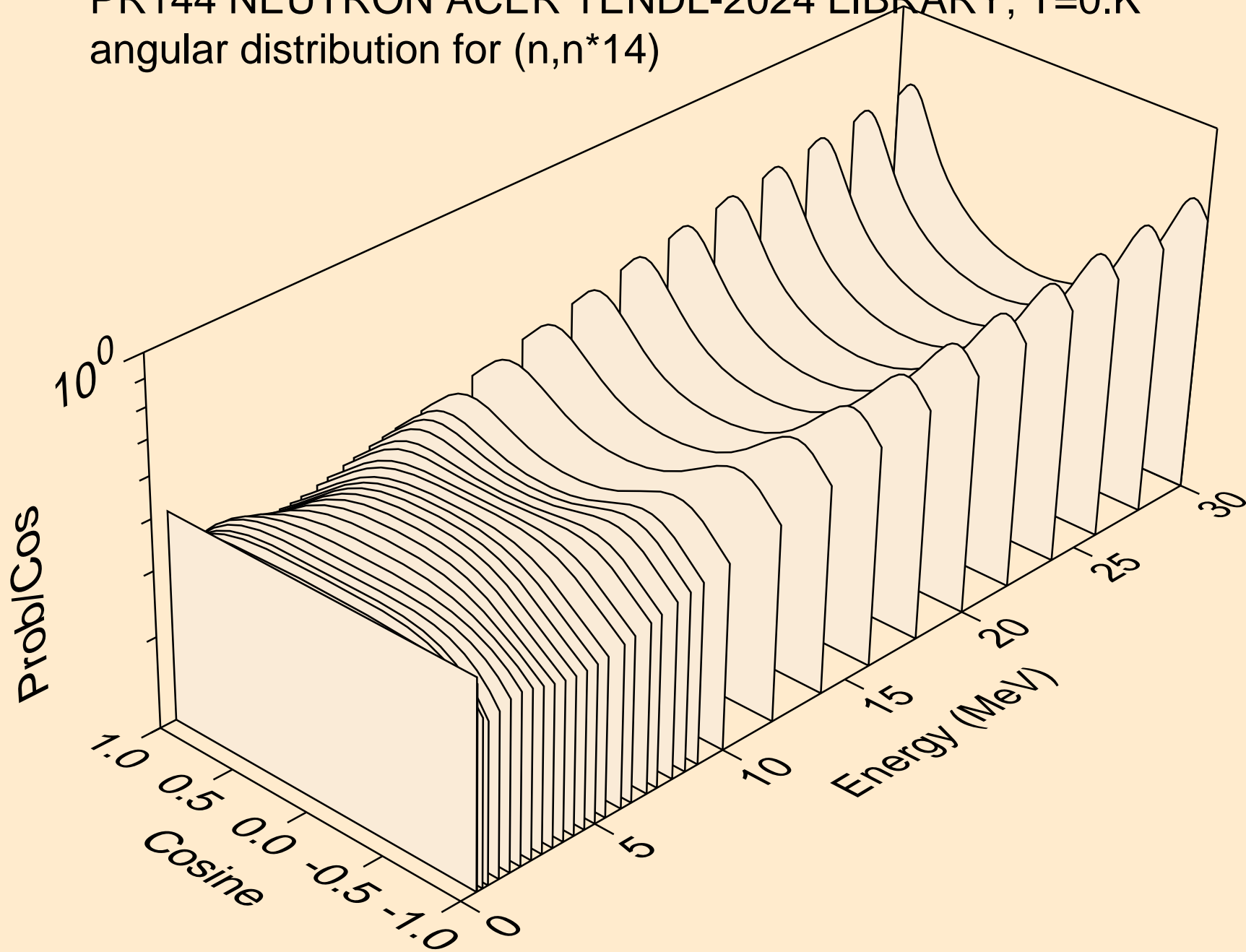
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



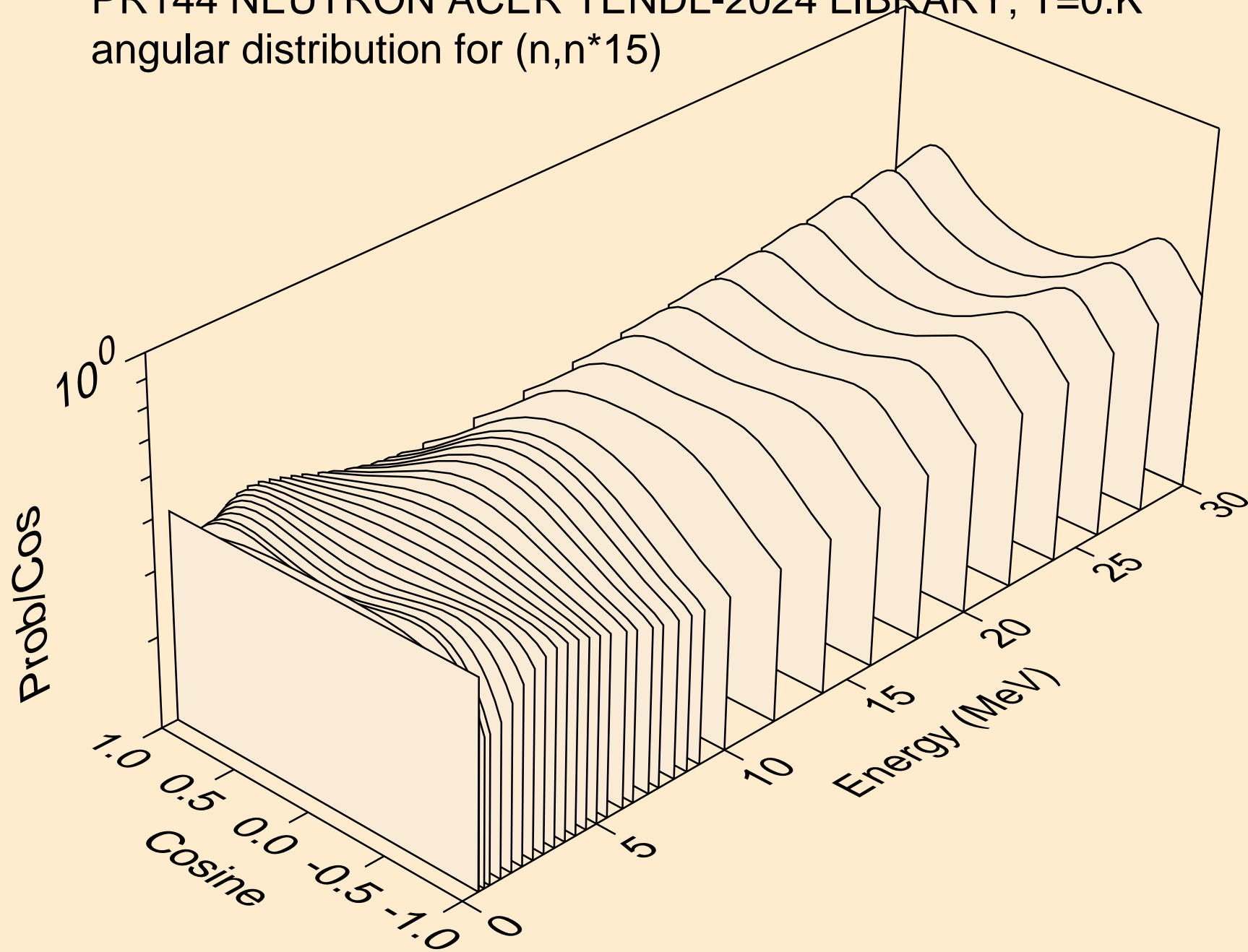
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



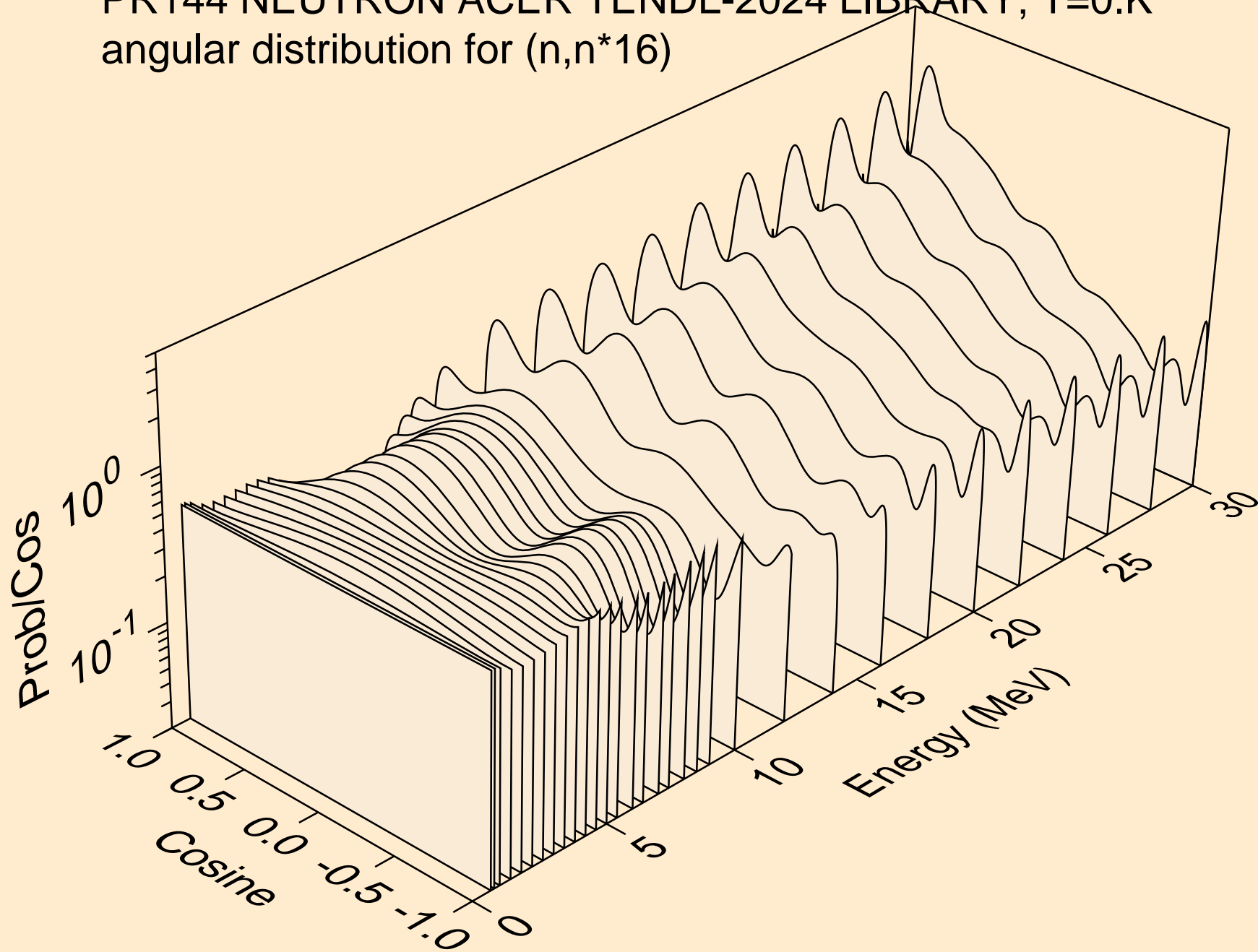
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*15)

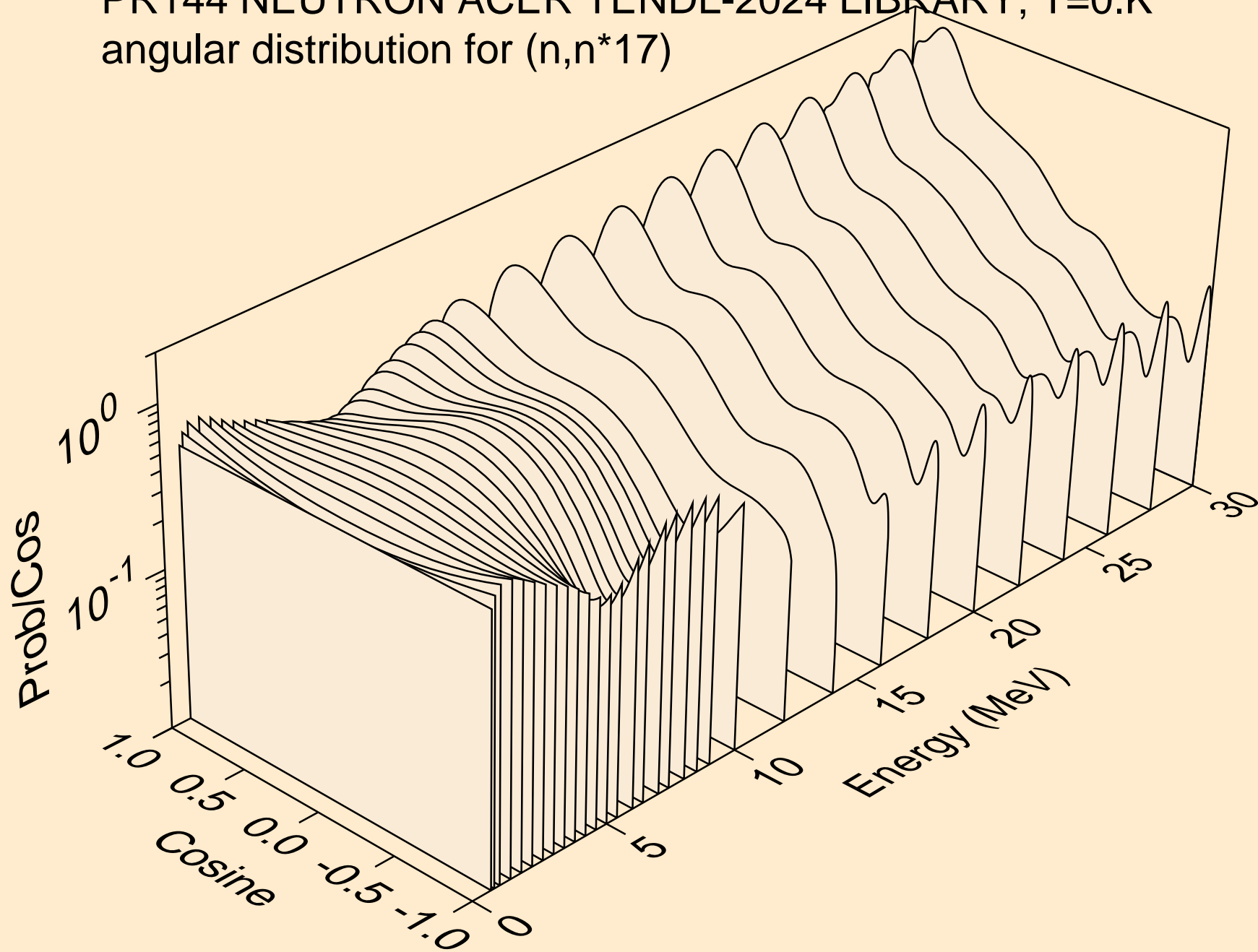


PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)

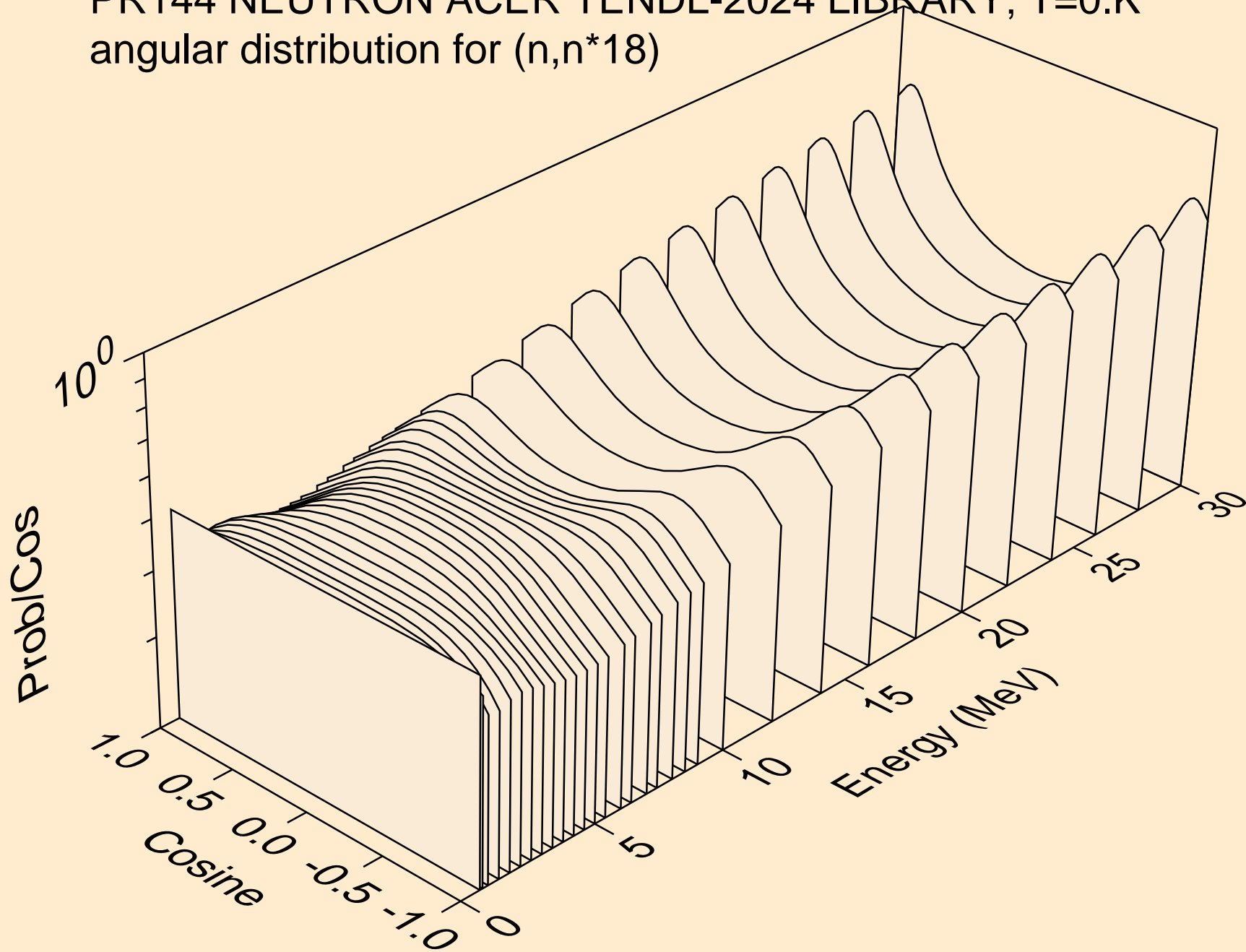




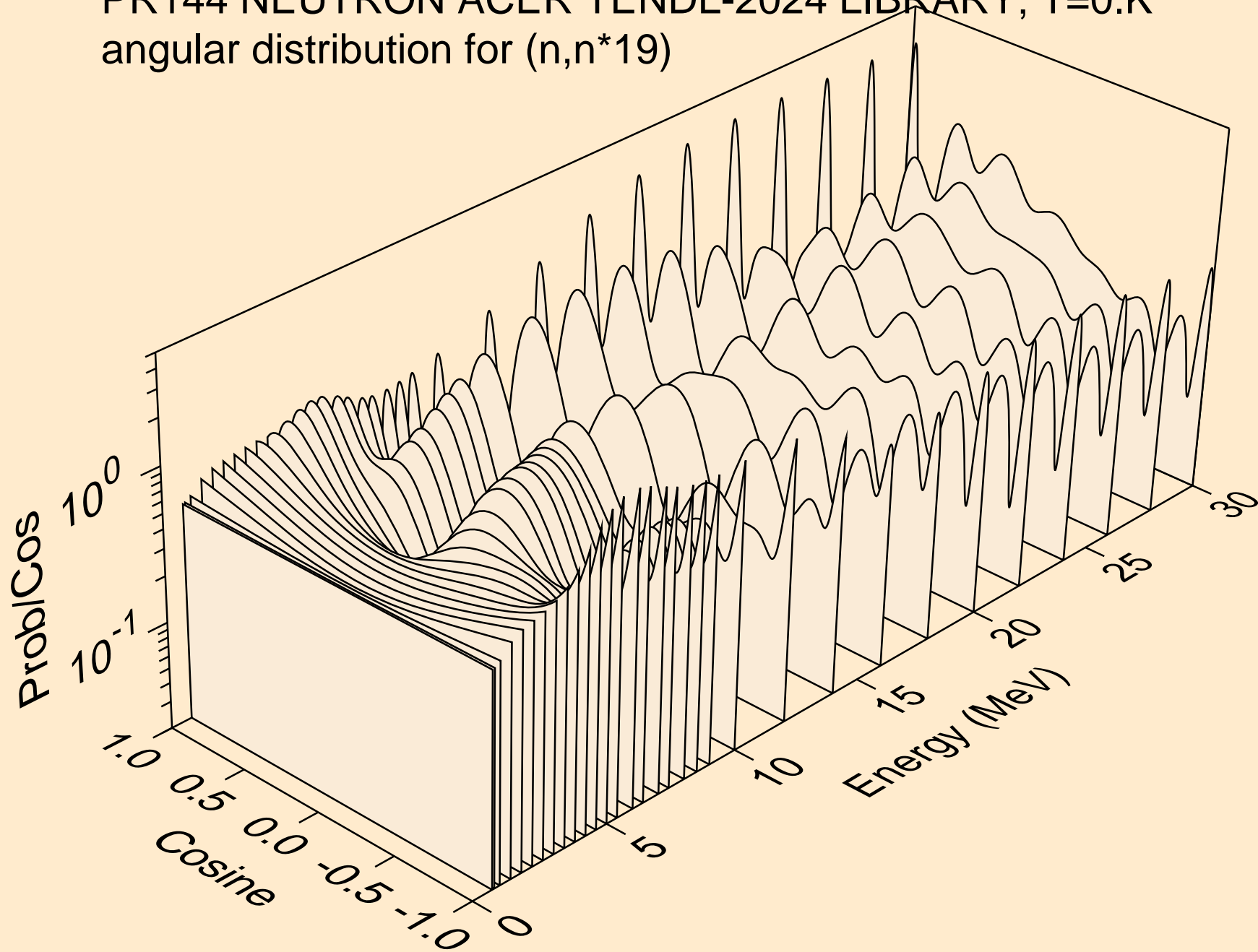
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*17)



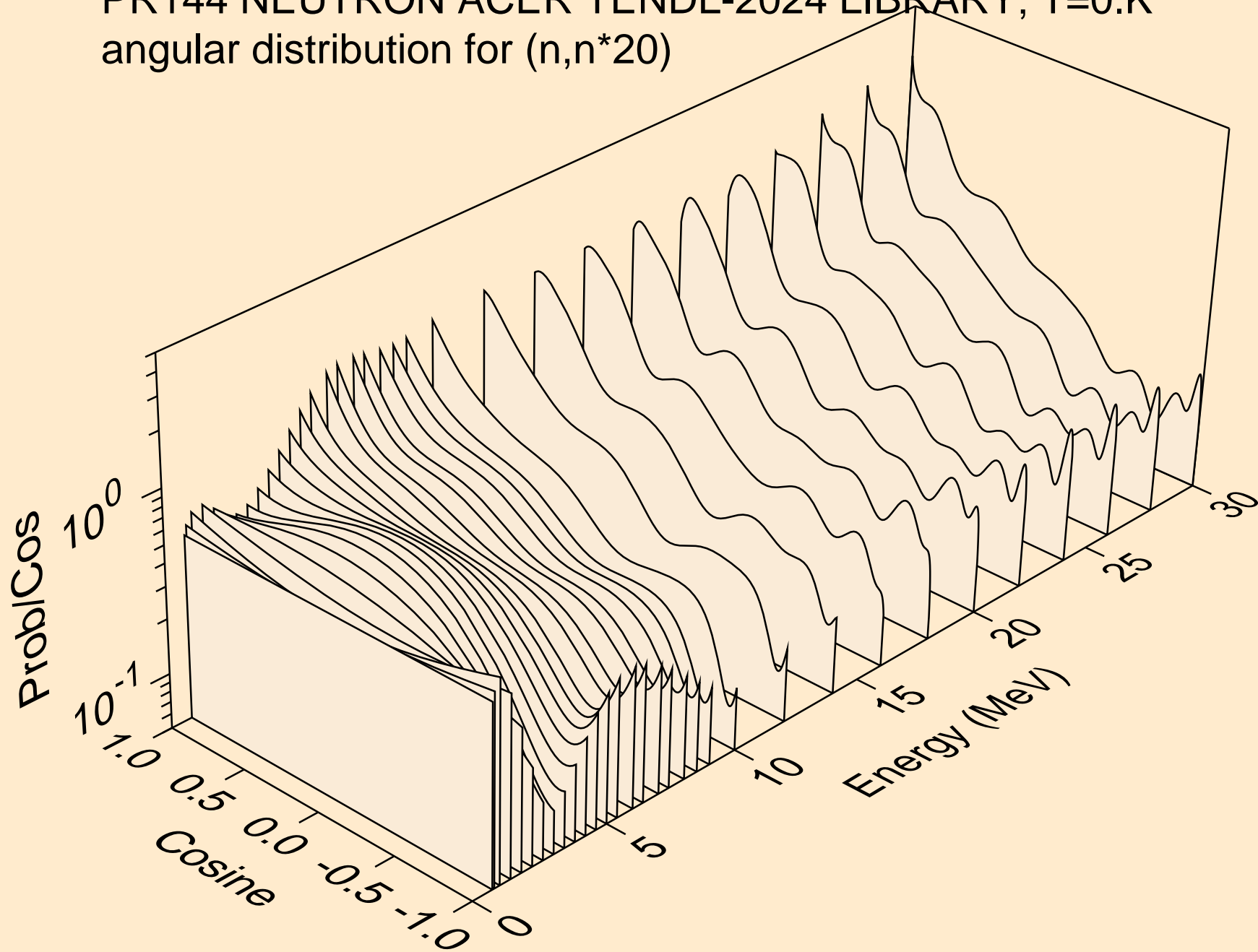
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



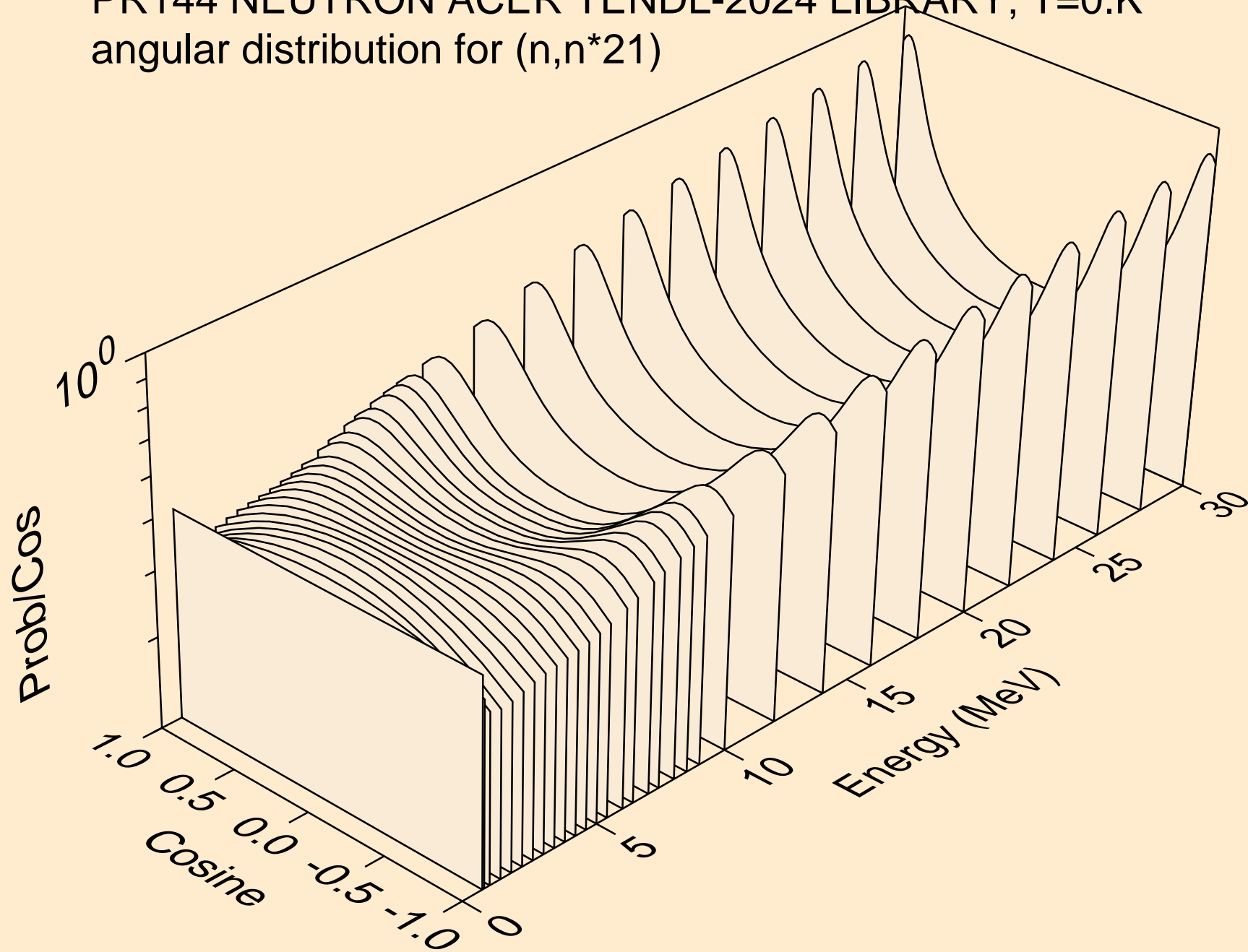
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



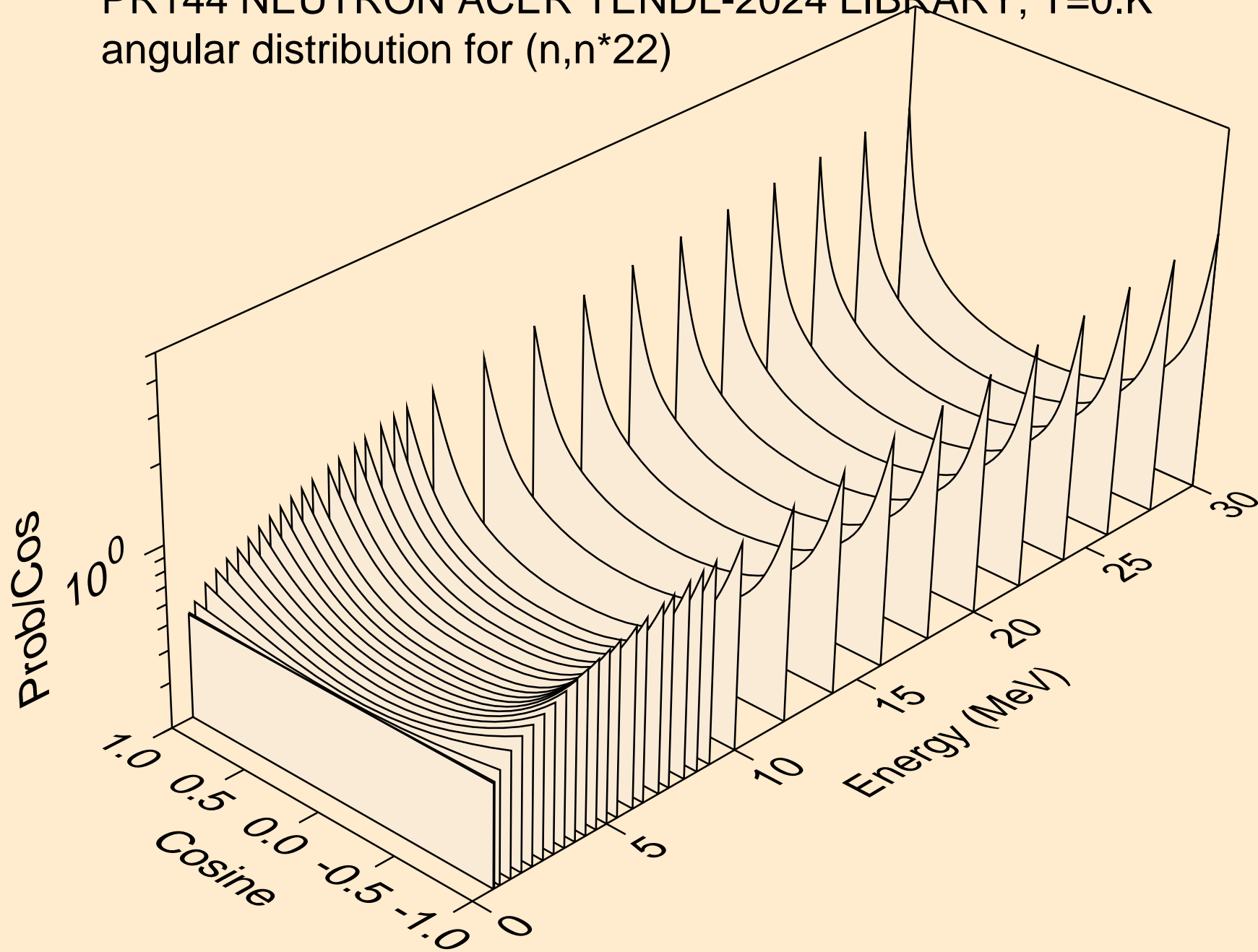
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*20)



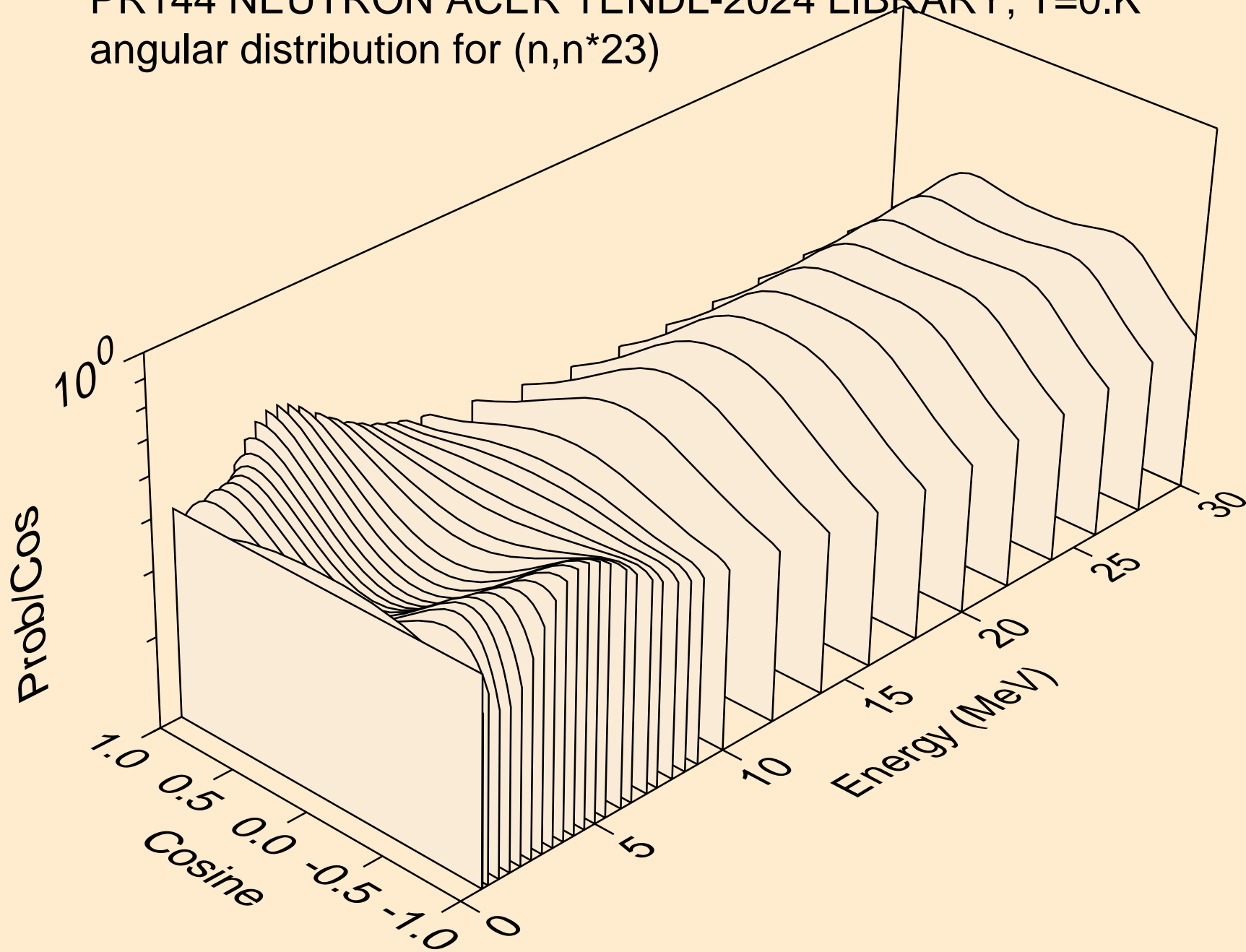
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*21)



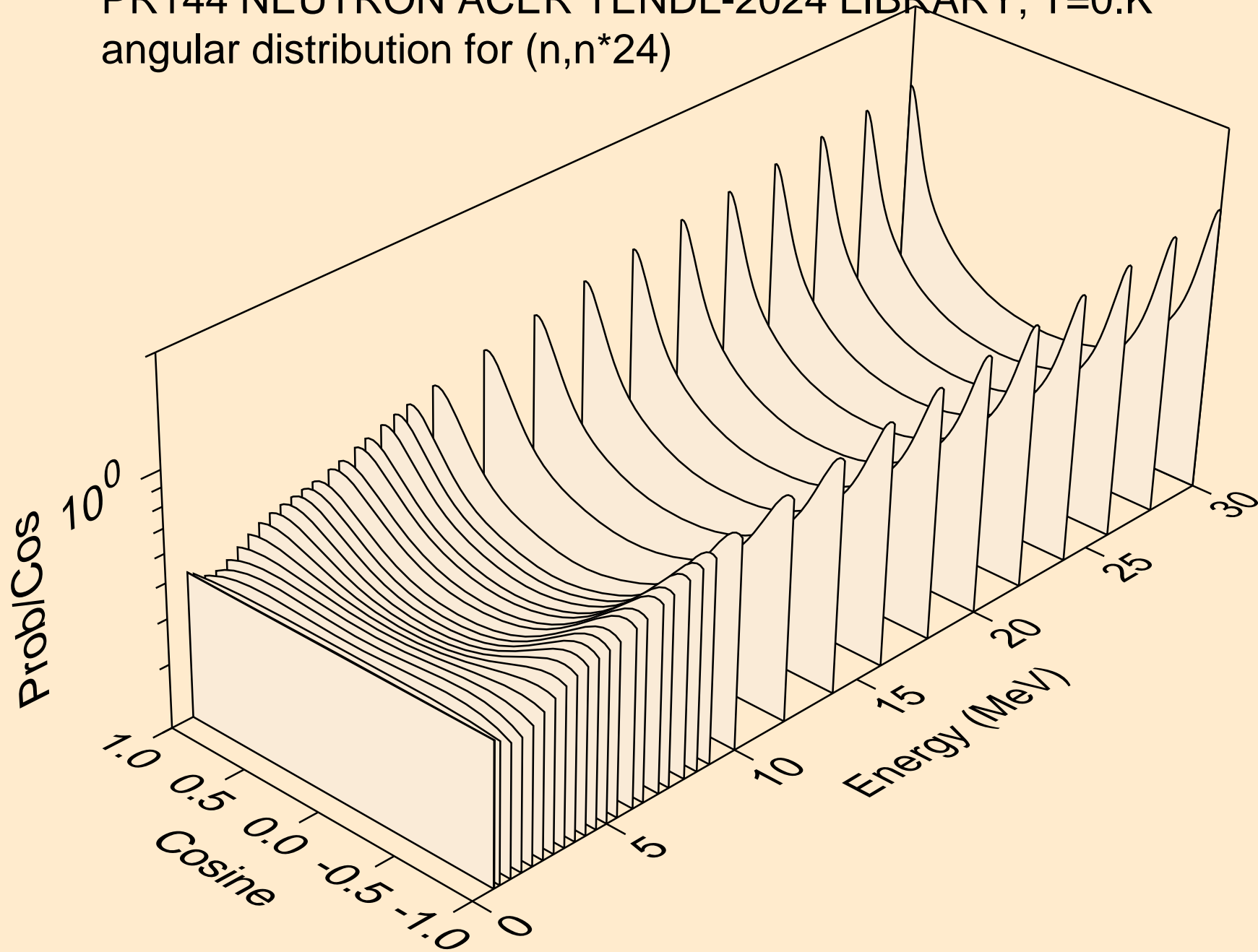
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*22)



PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*23)

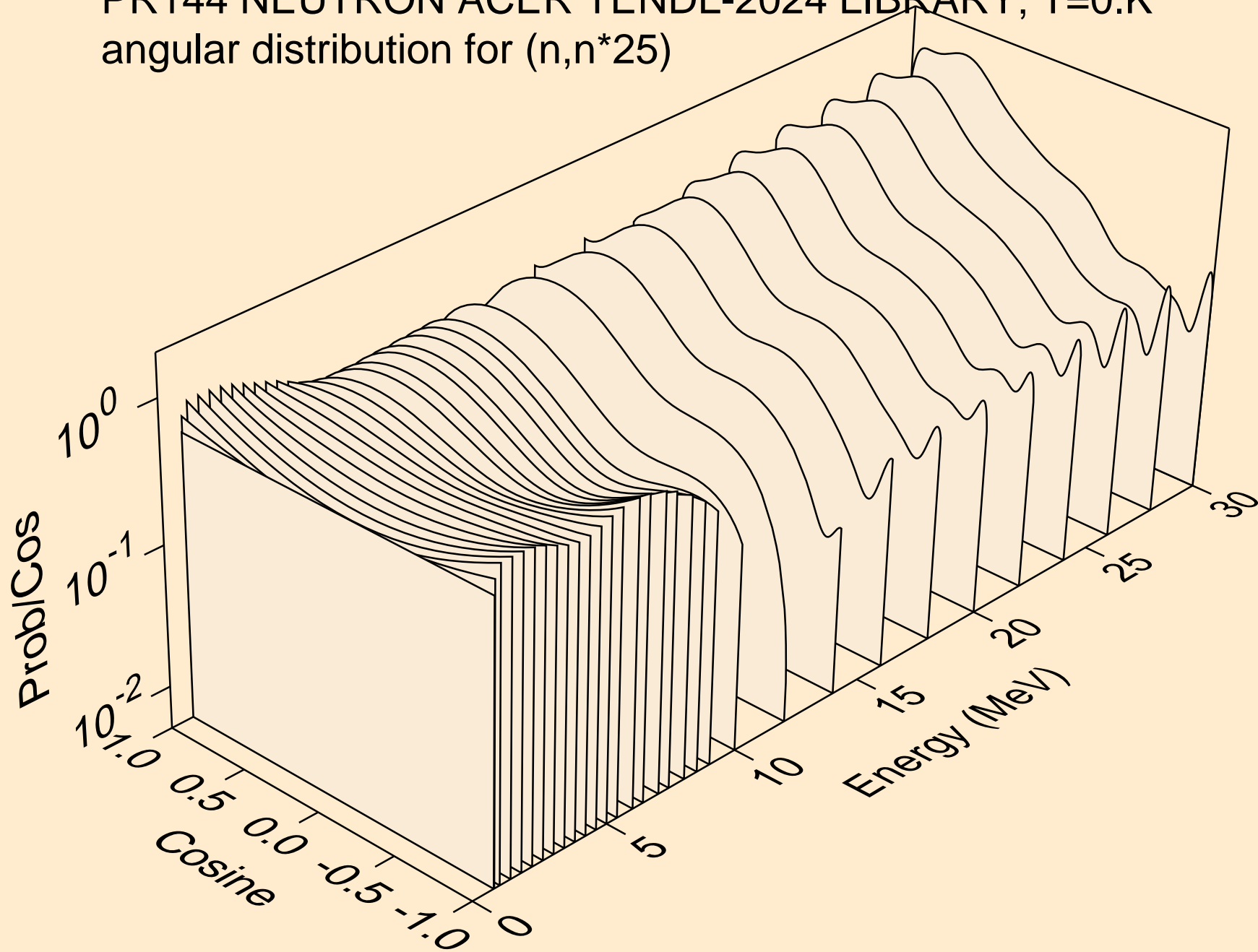


PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*24)

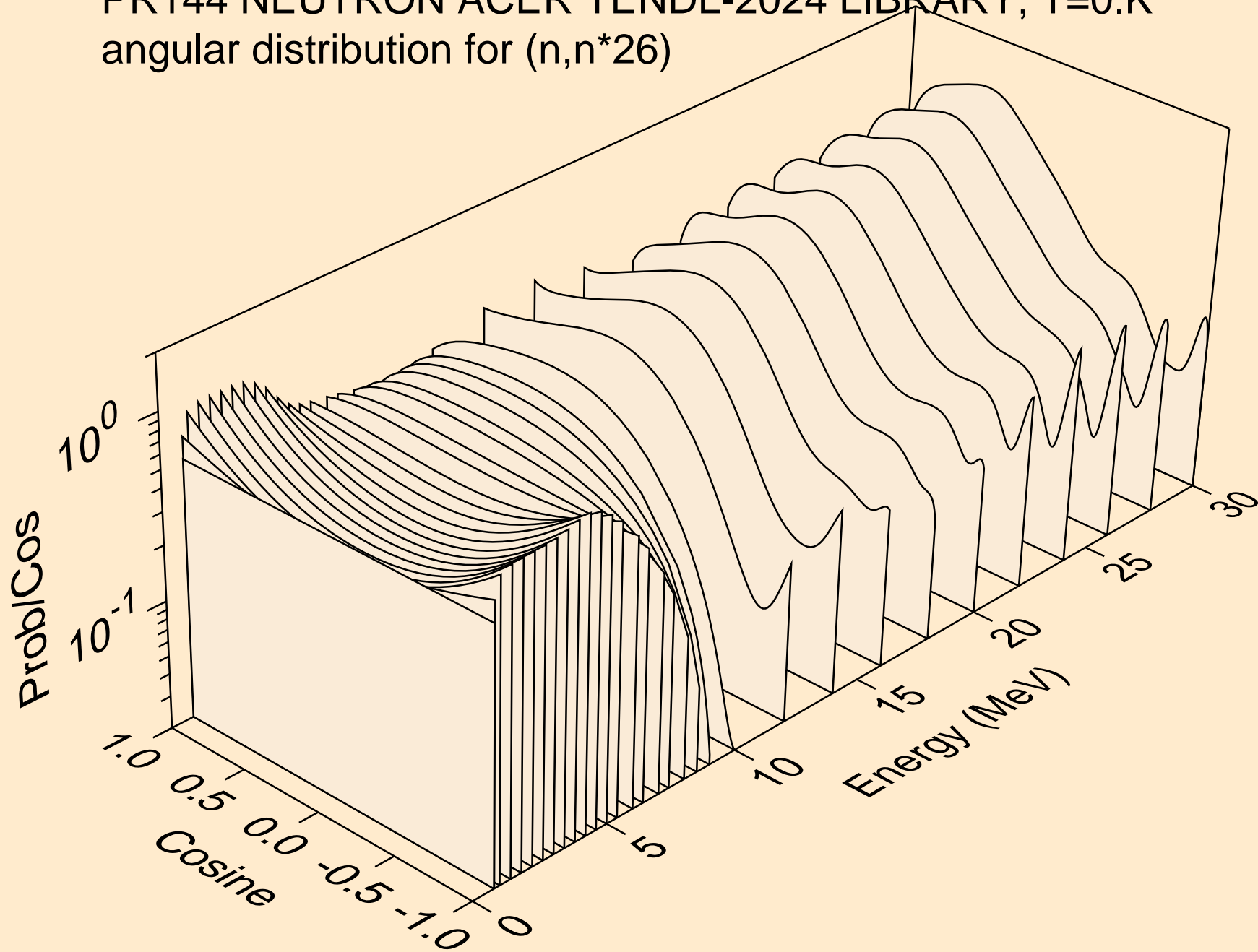




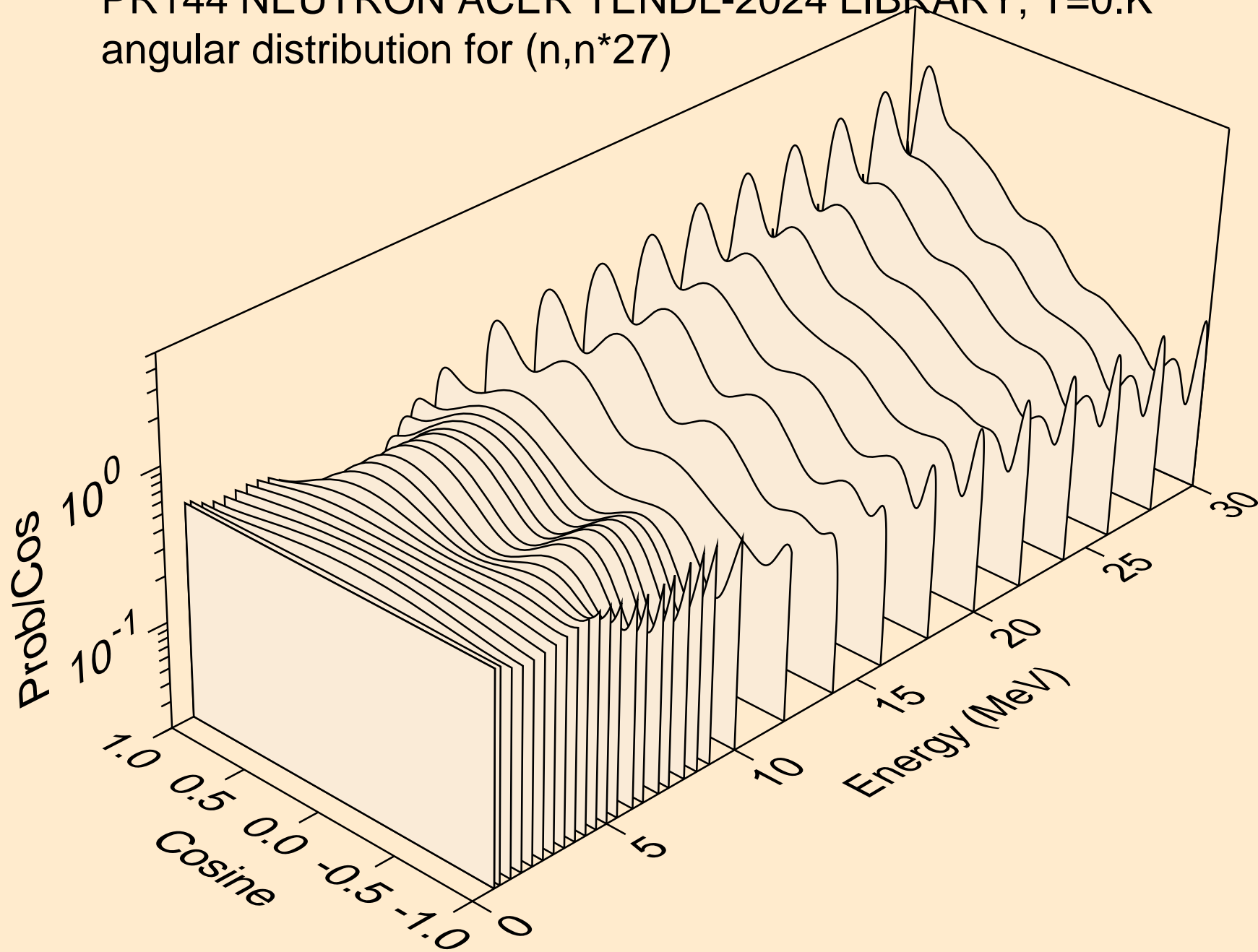
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*25)



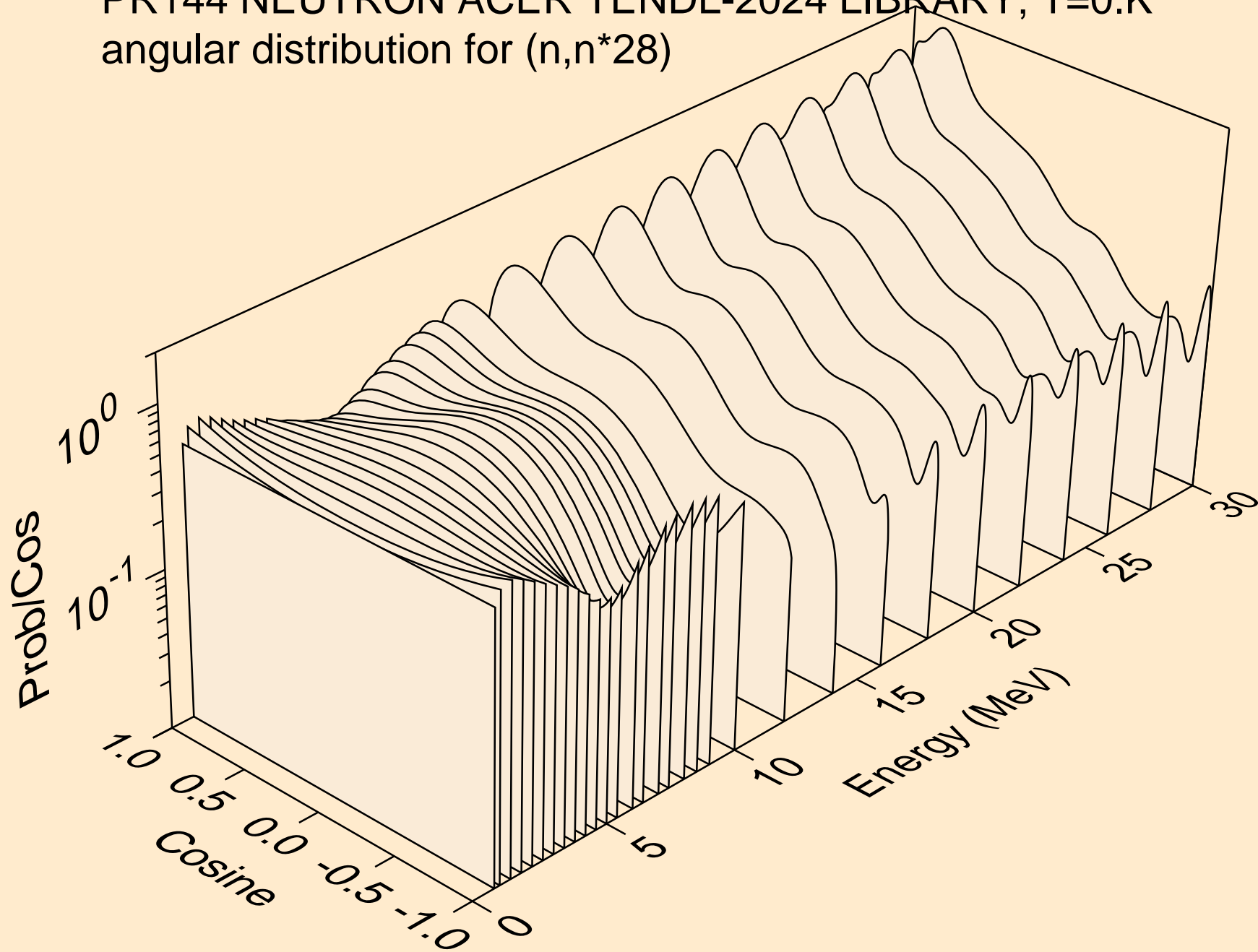
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



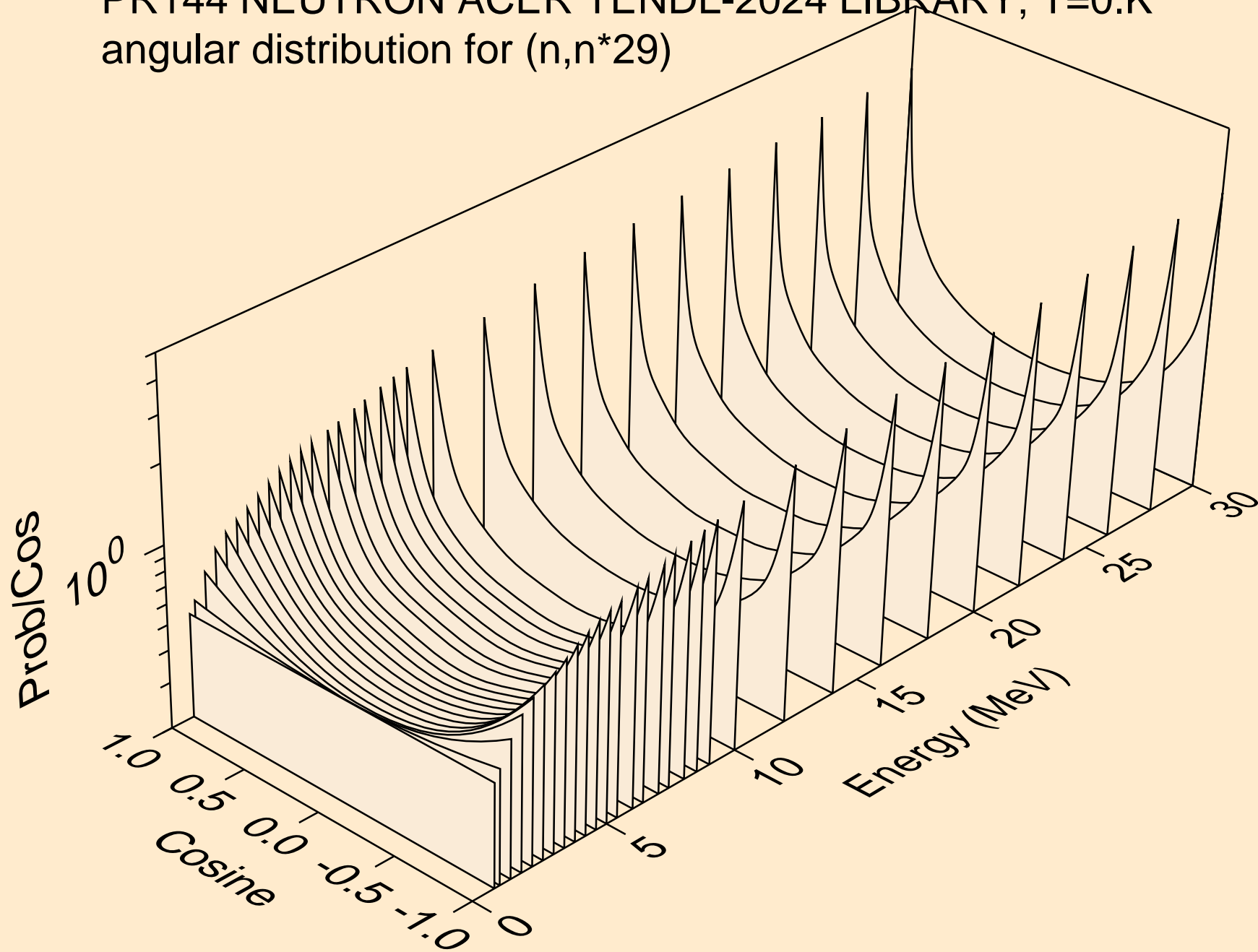
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



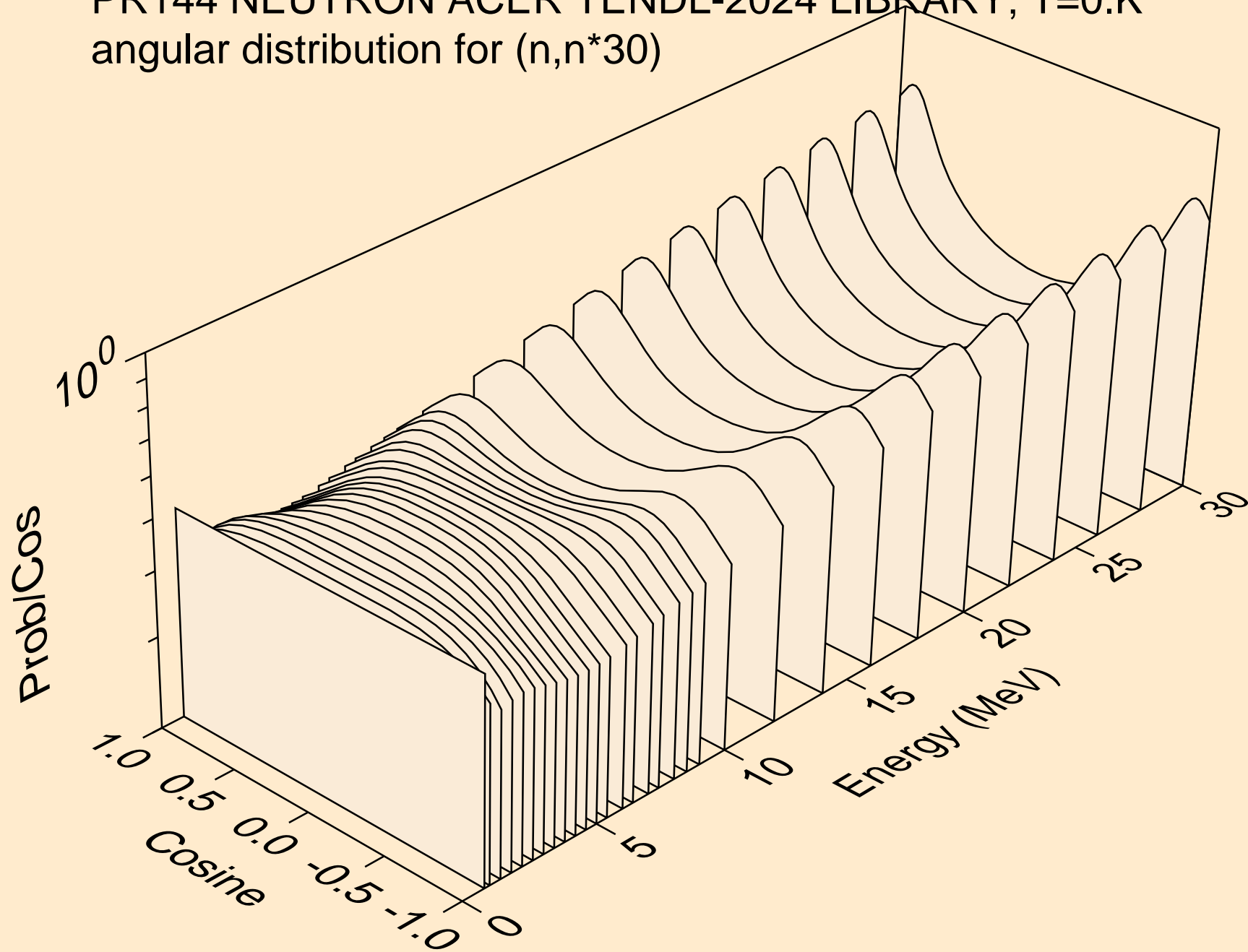
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*28)



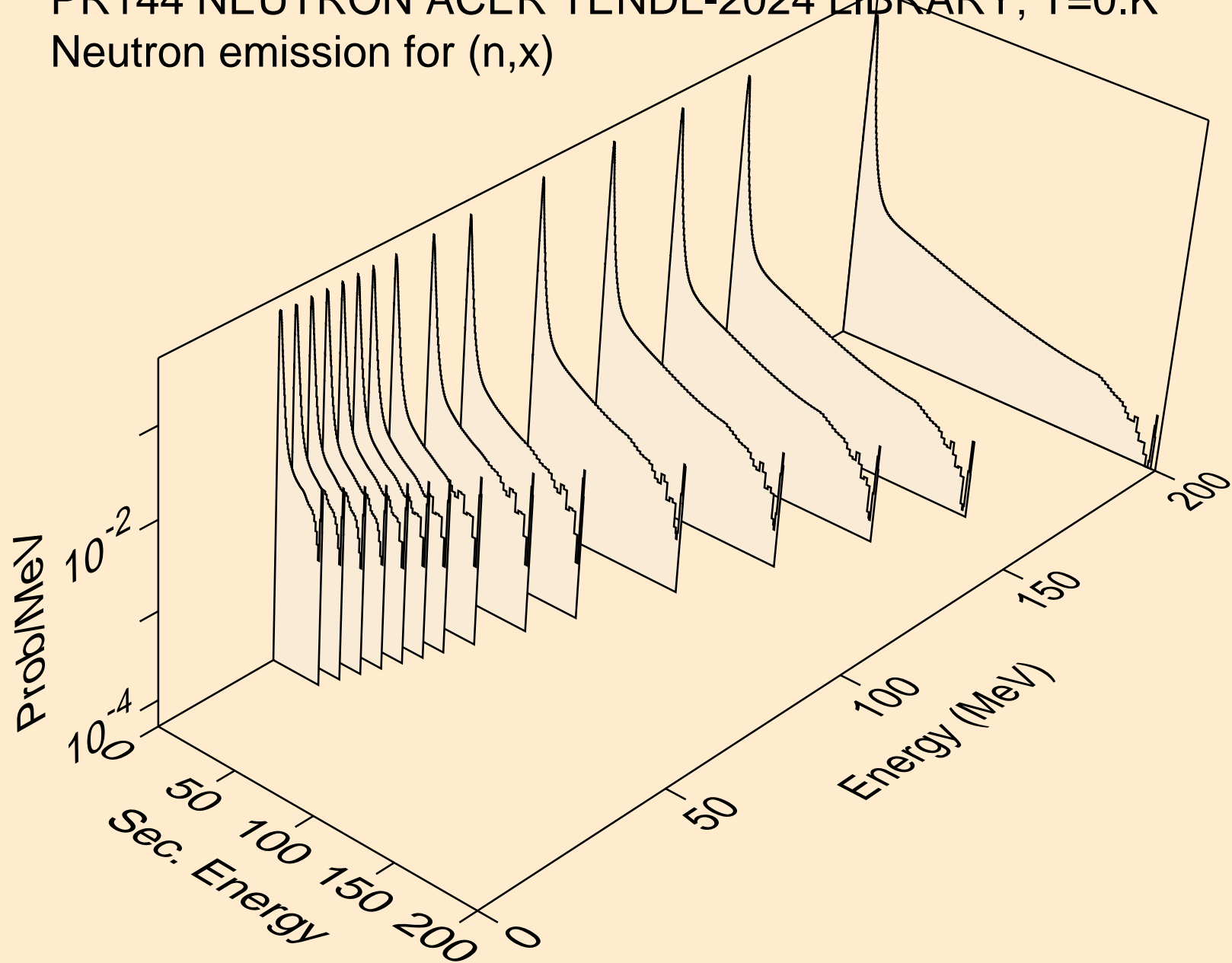
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*29)



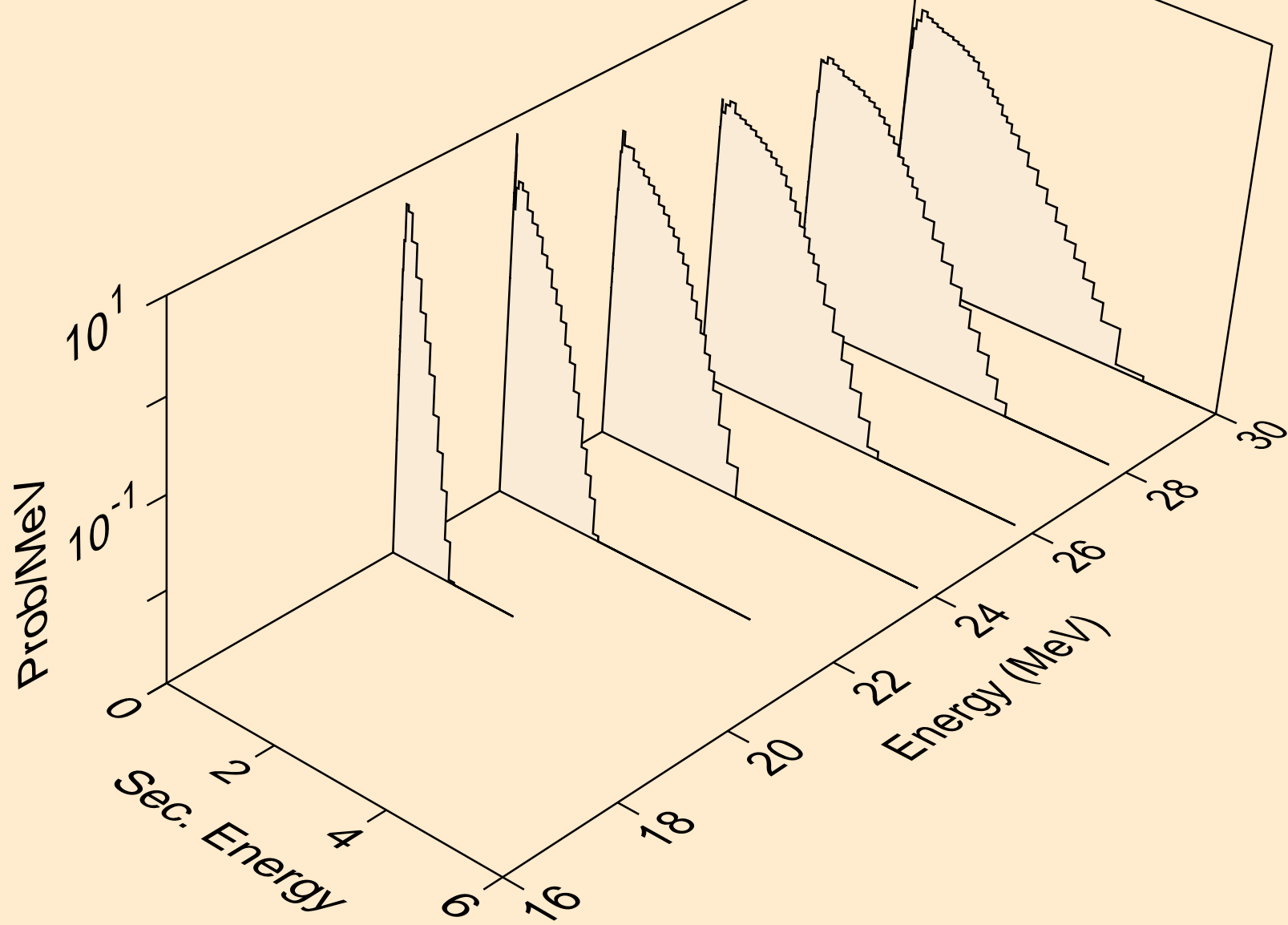
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*30)



PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)

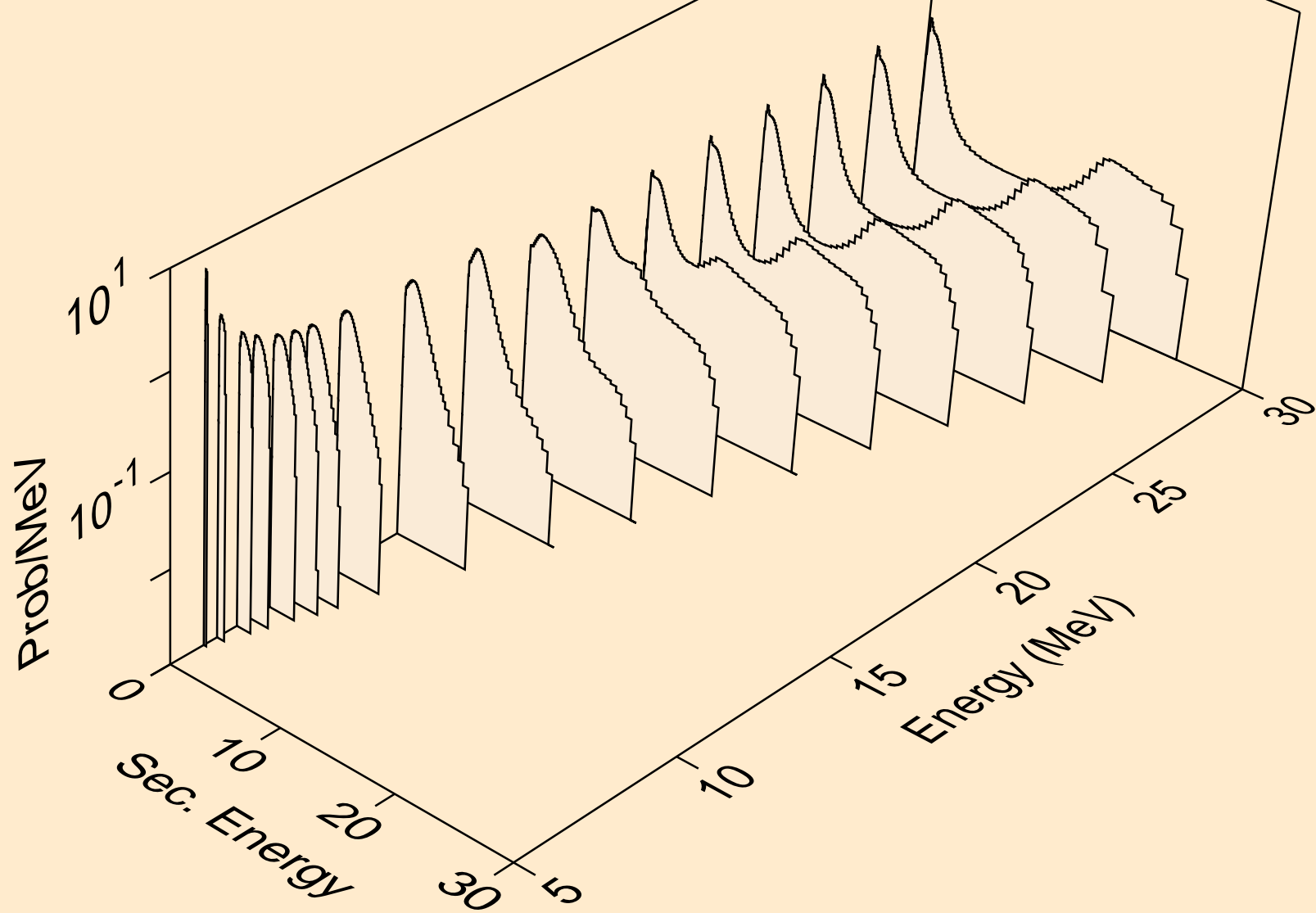


PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)

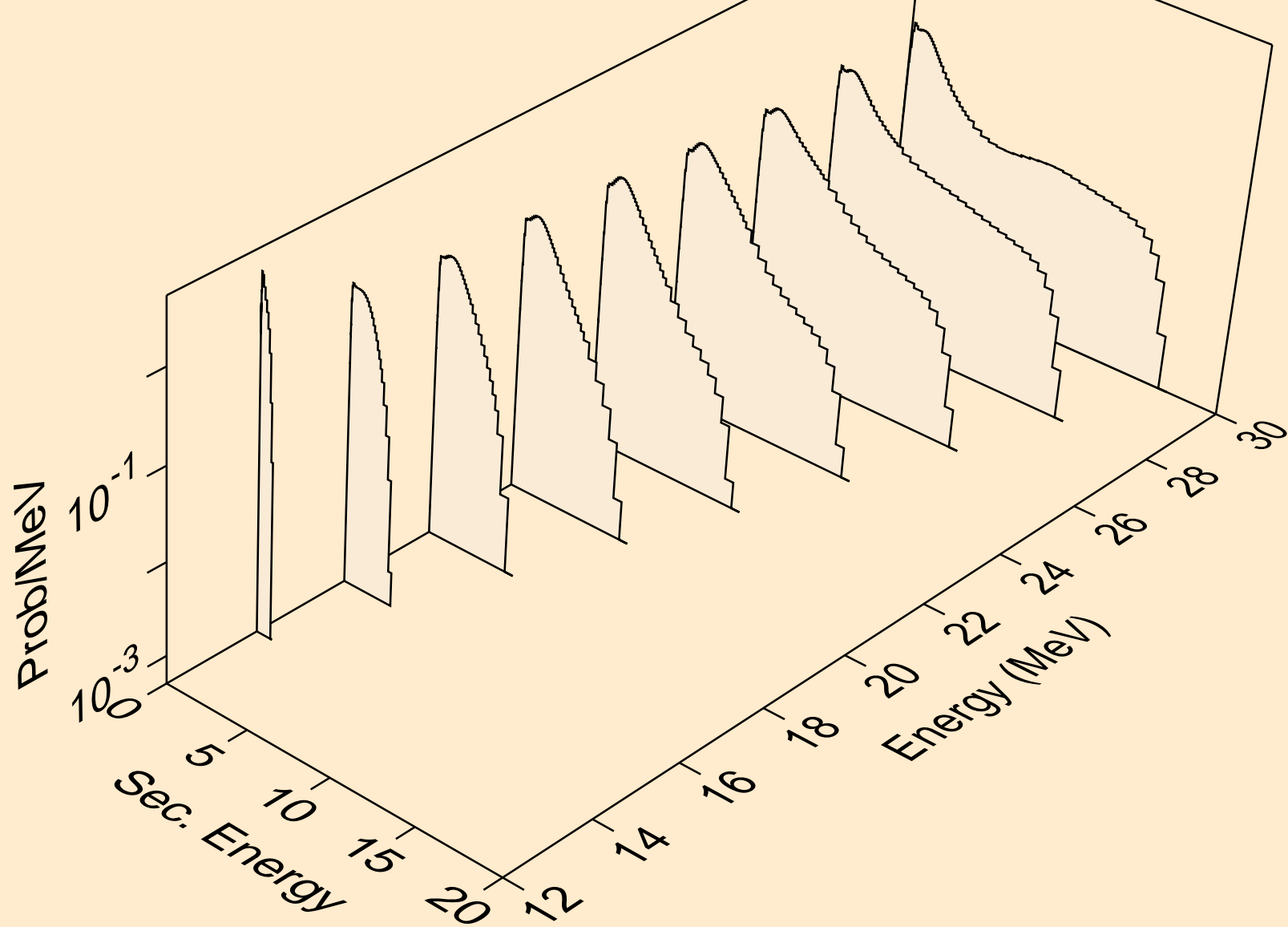




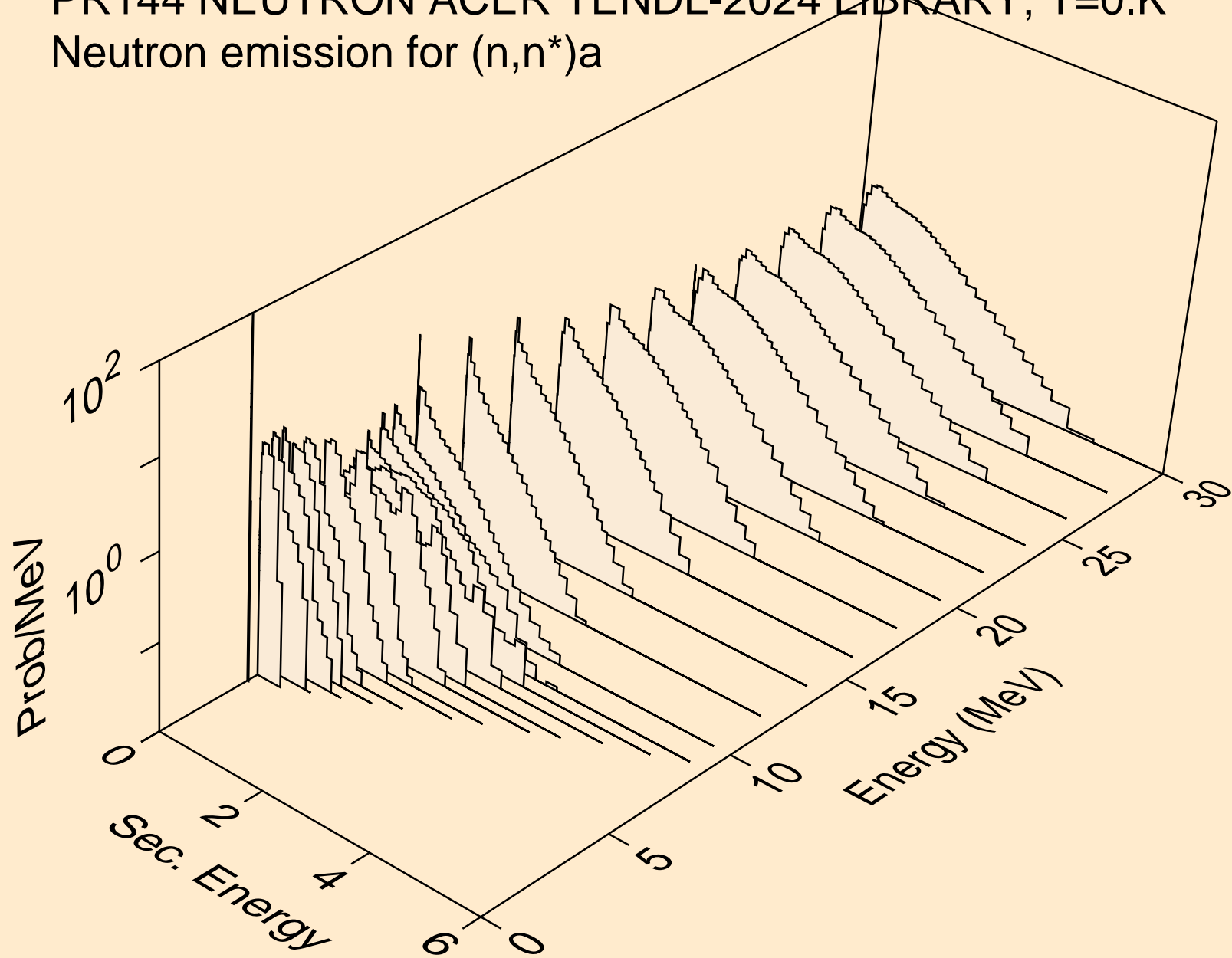
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



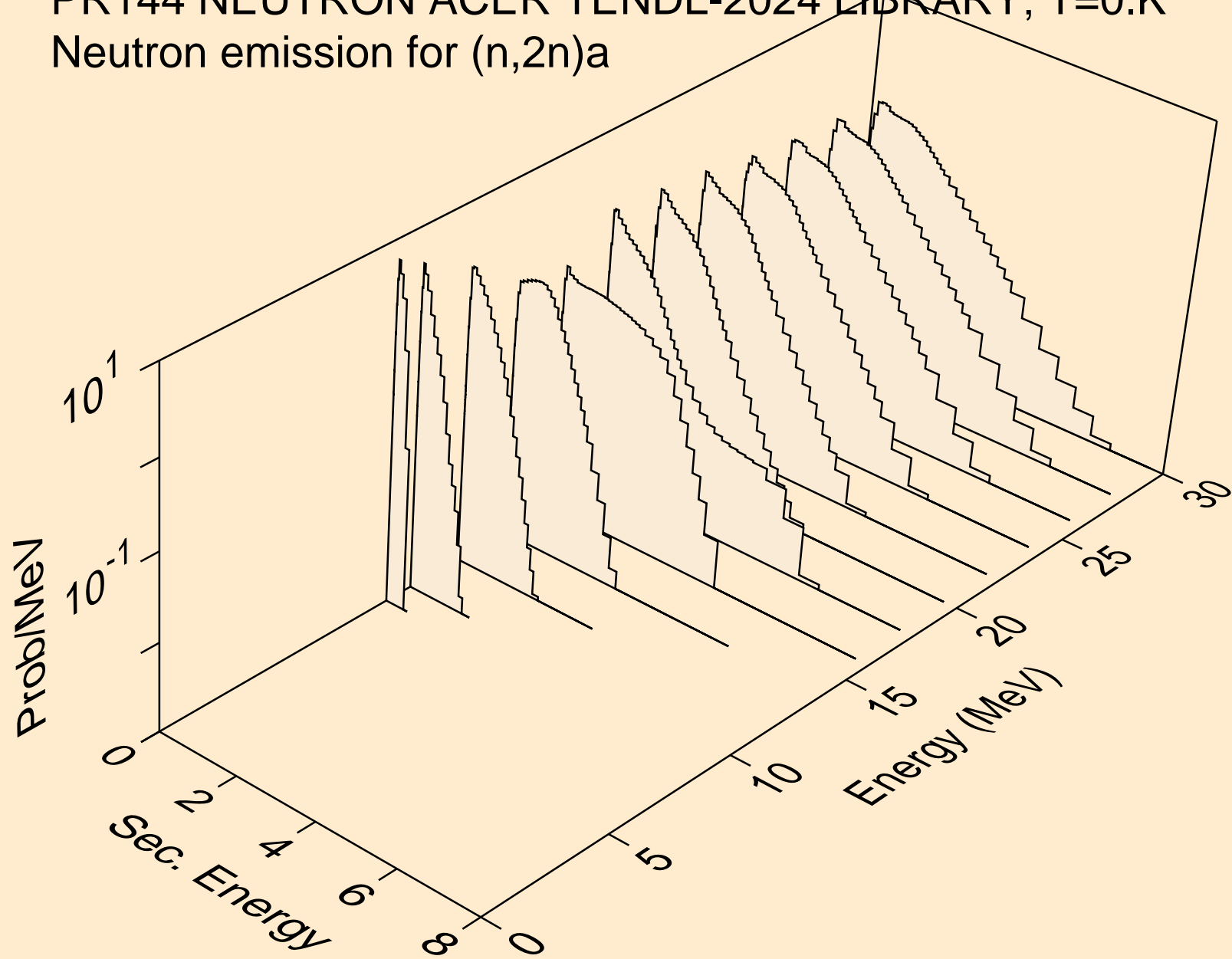
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



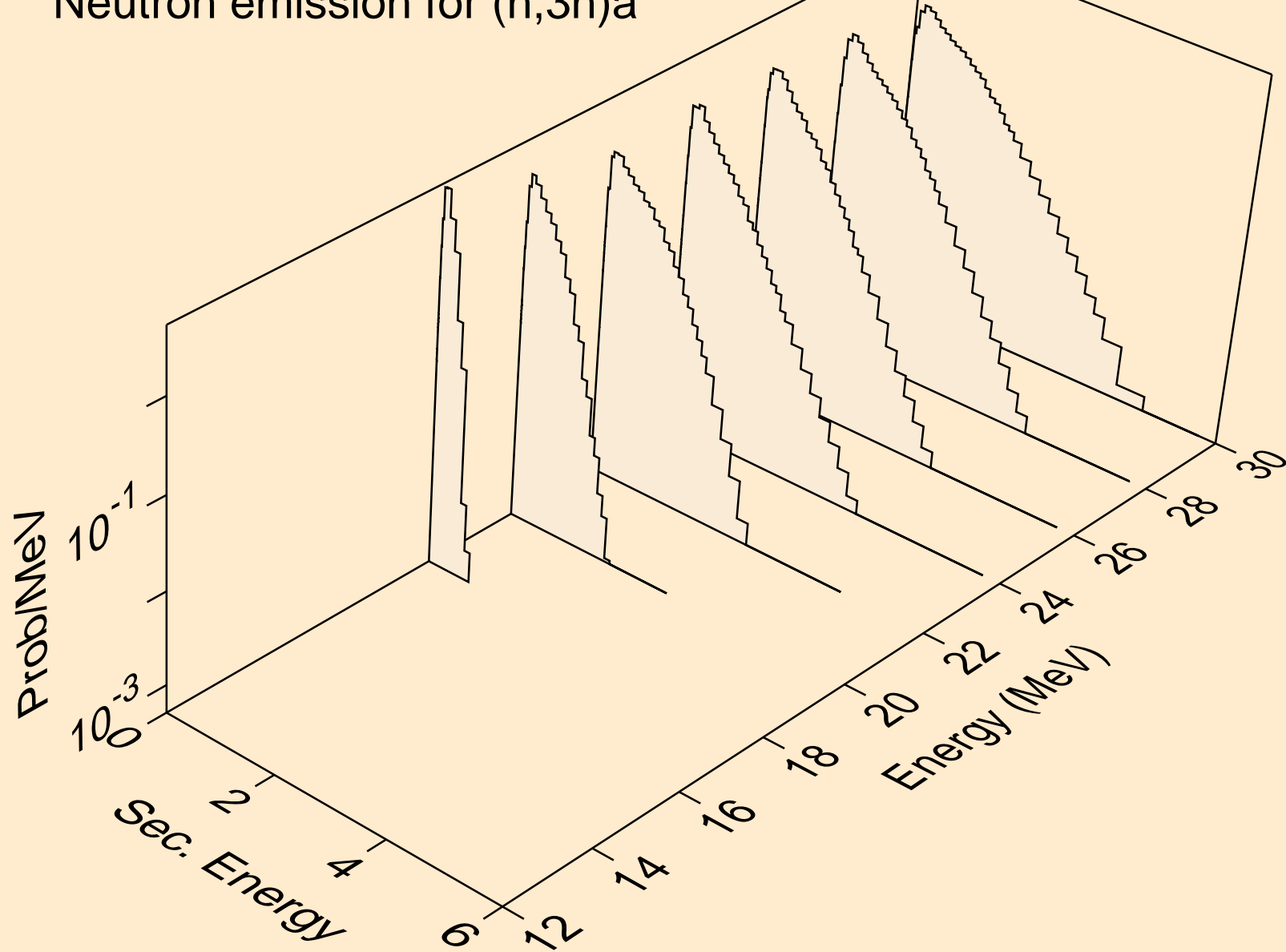
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



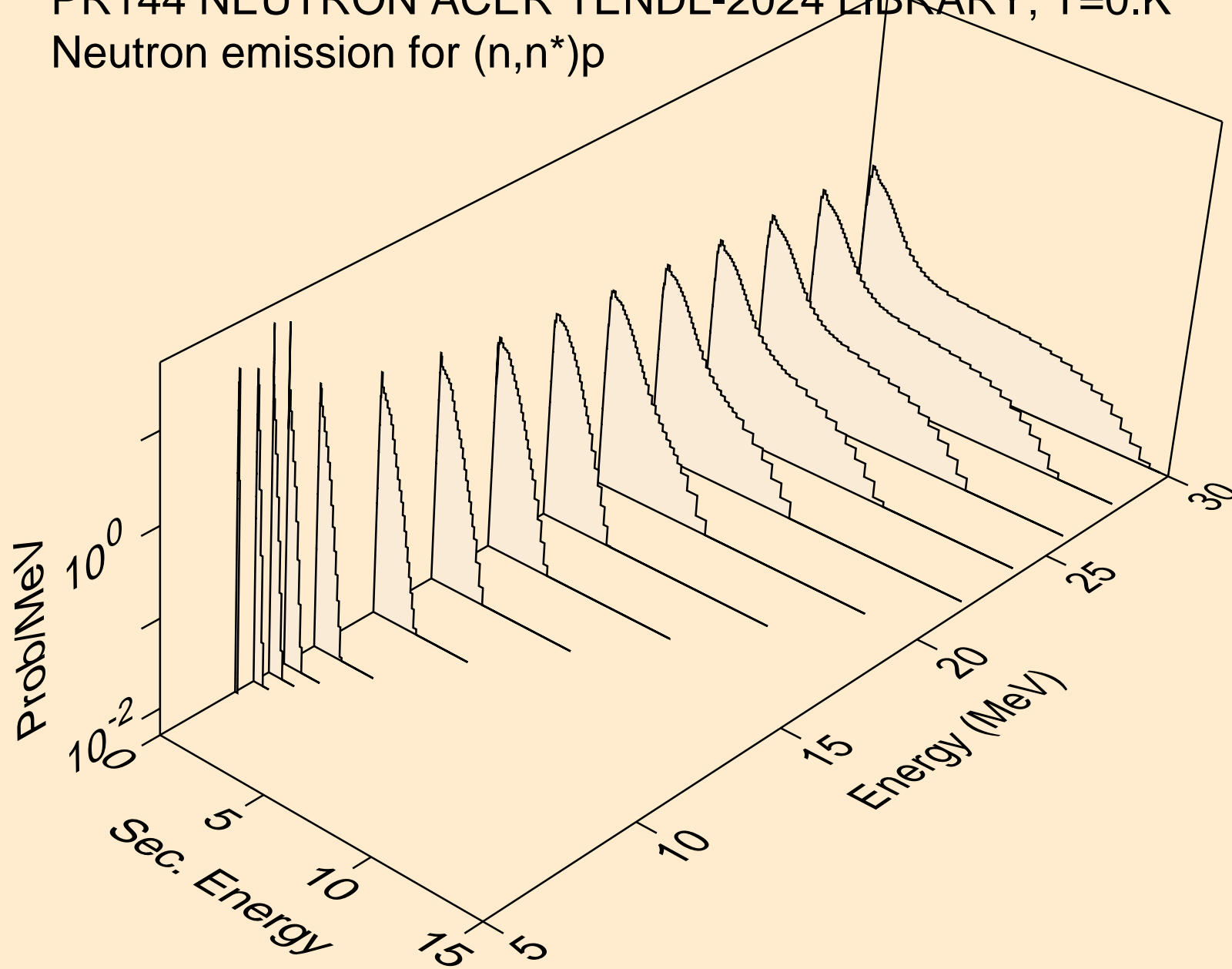
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



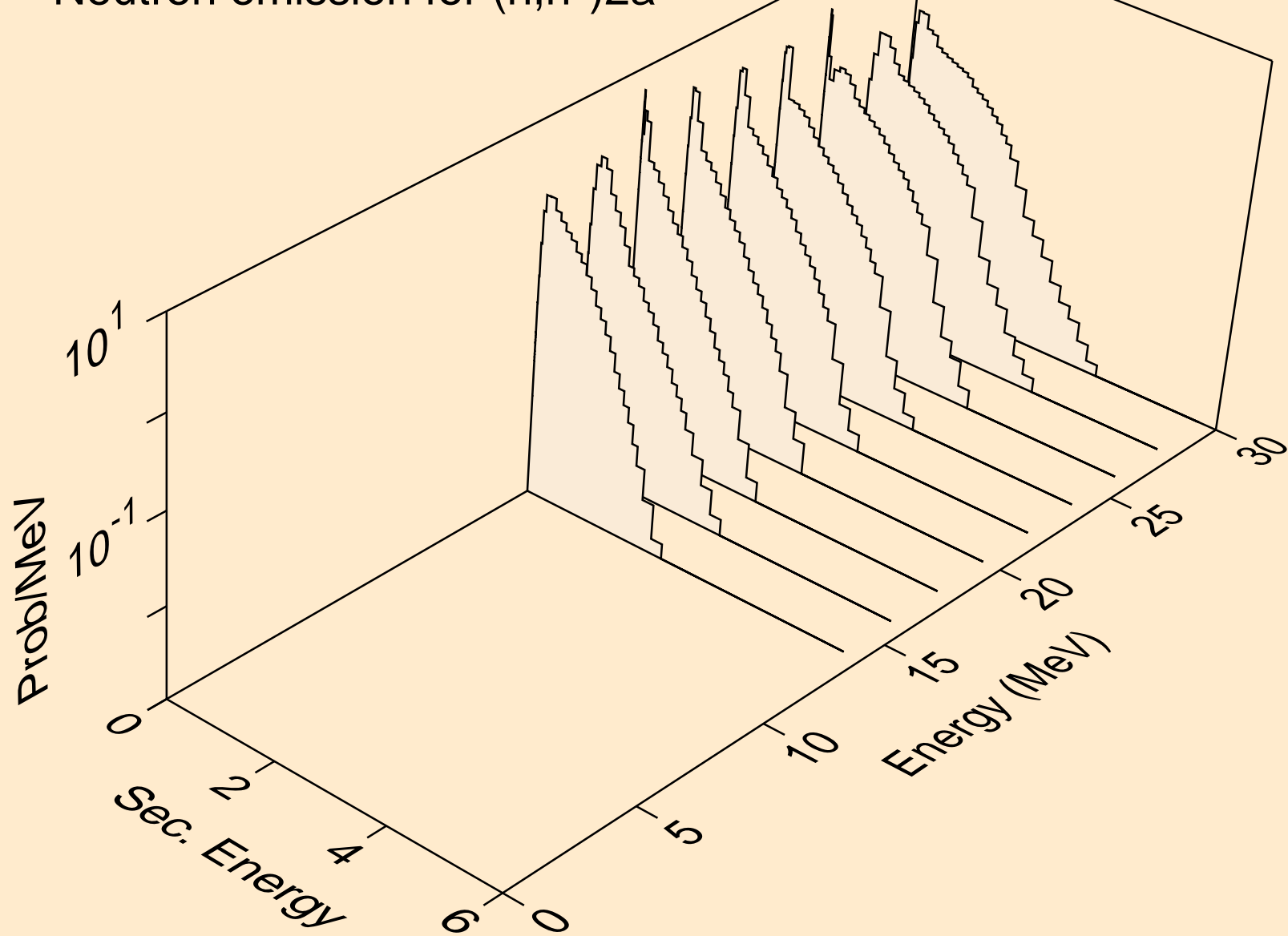
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



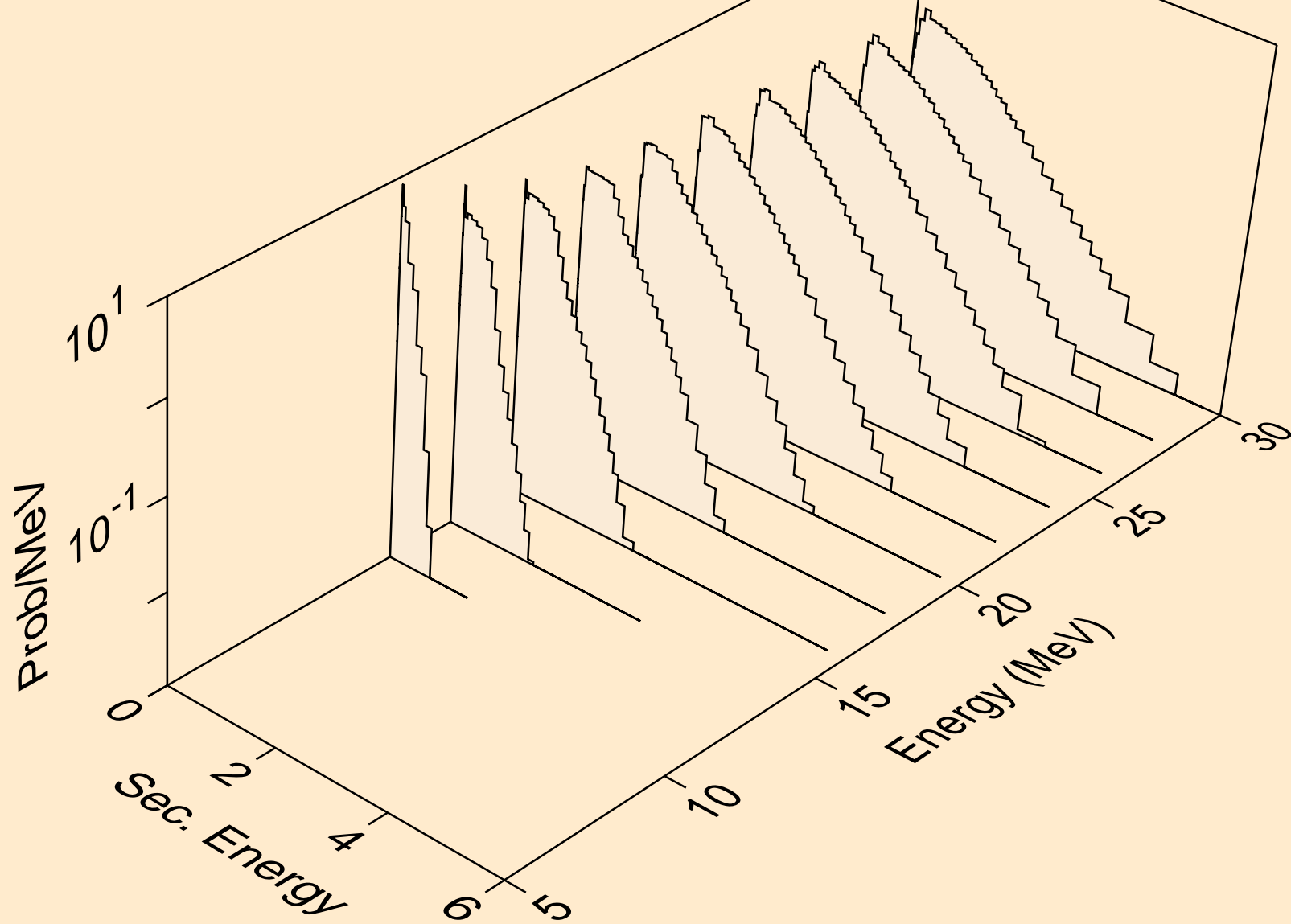
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a

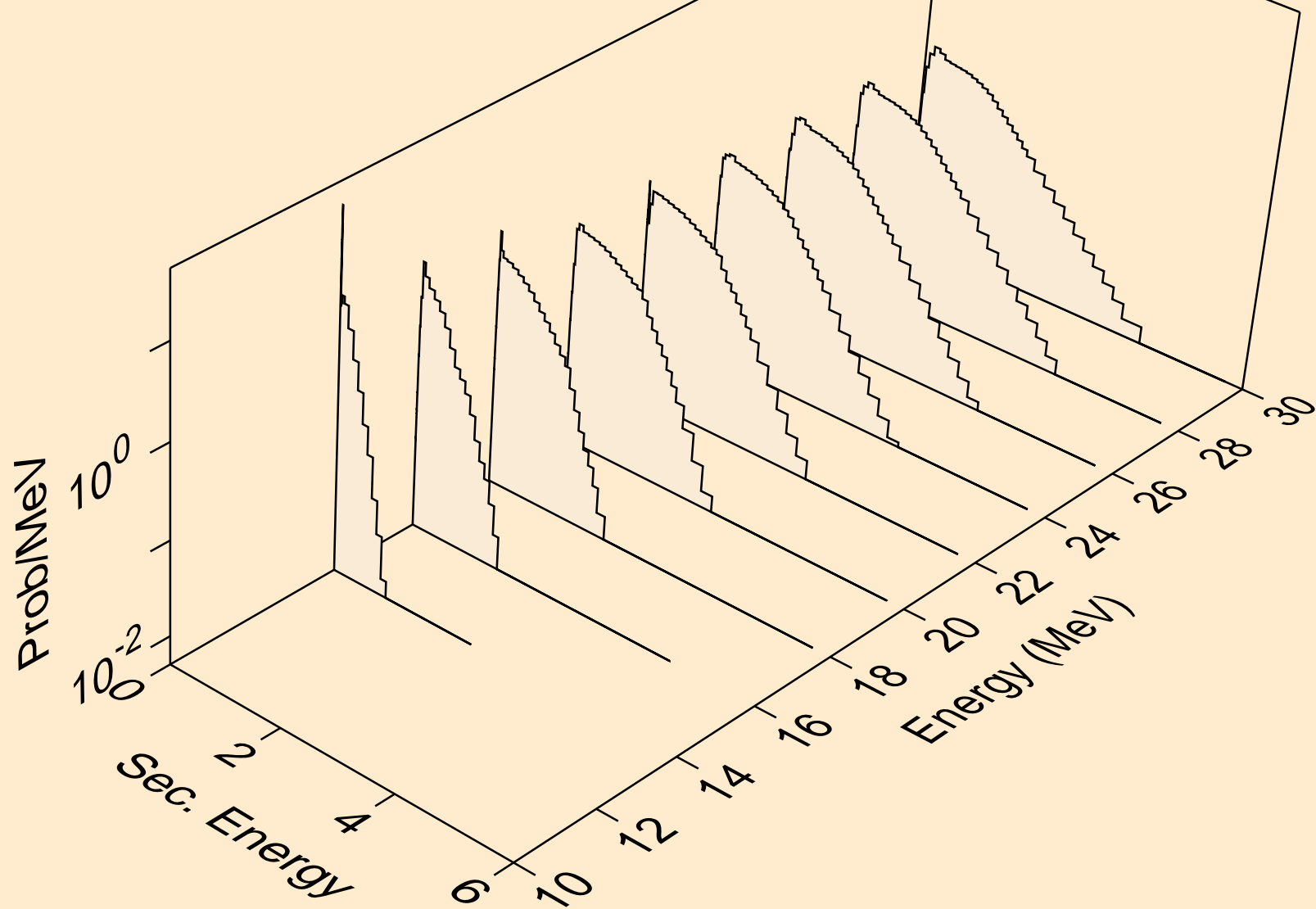


PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

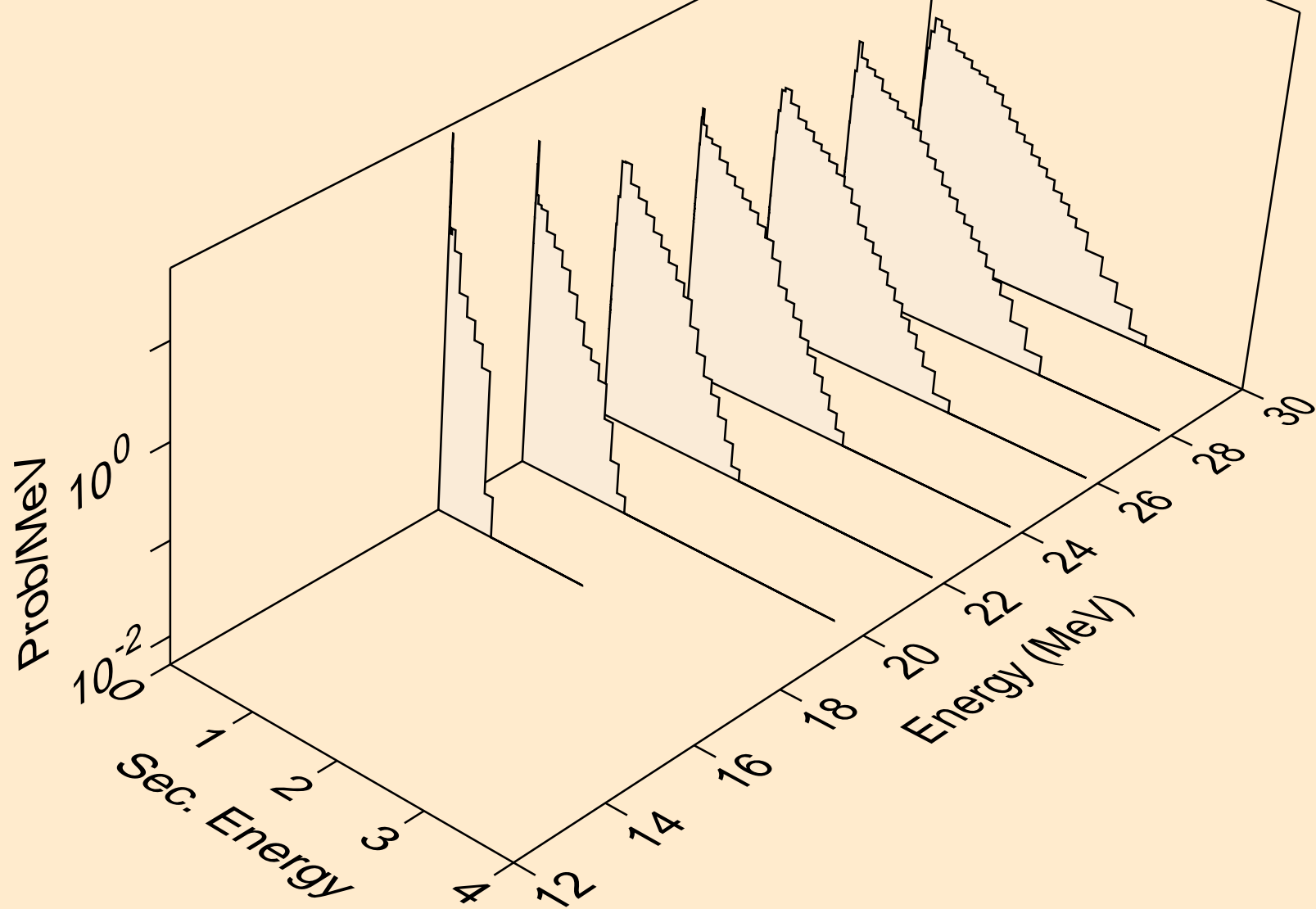




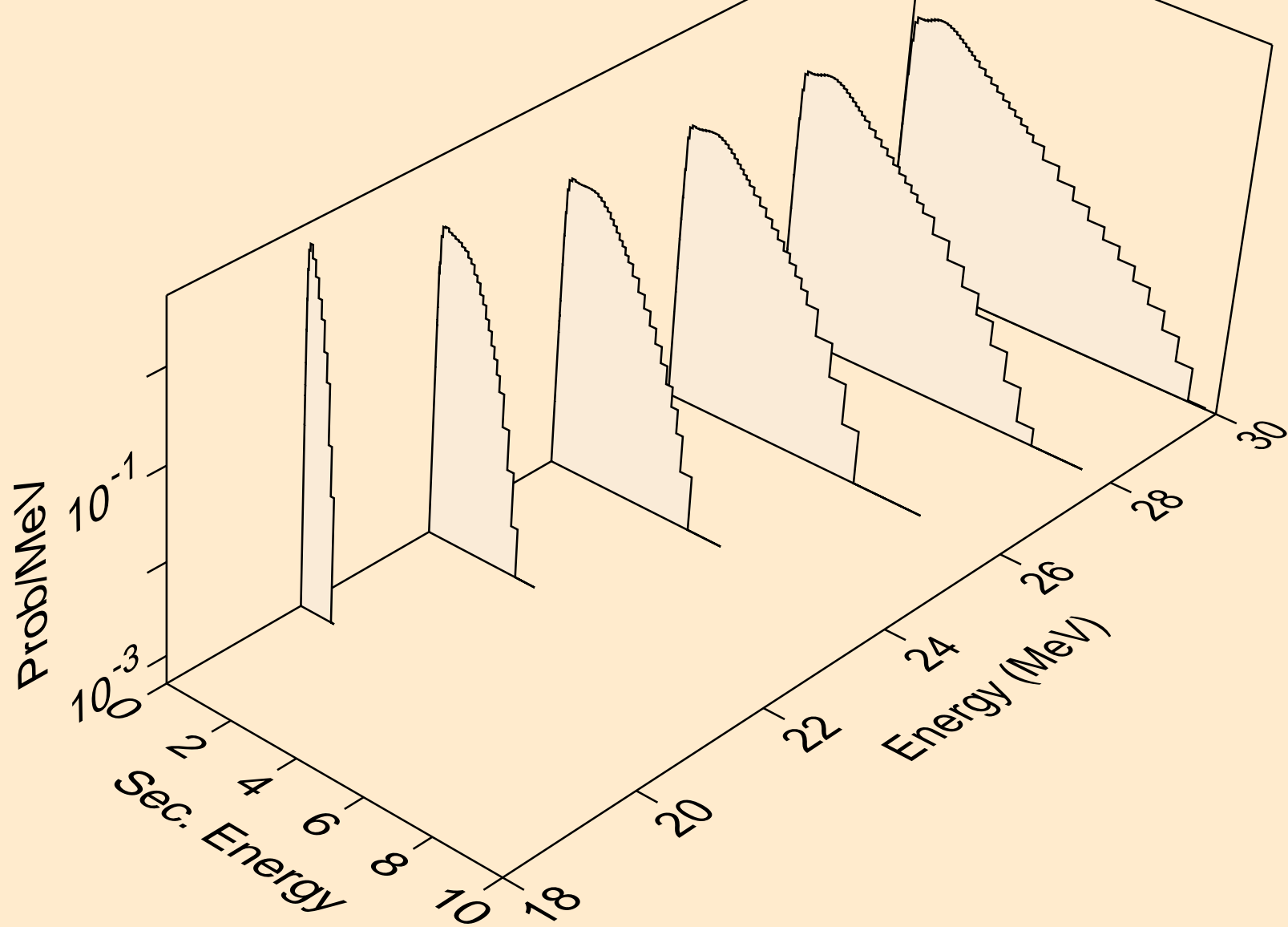
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



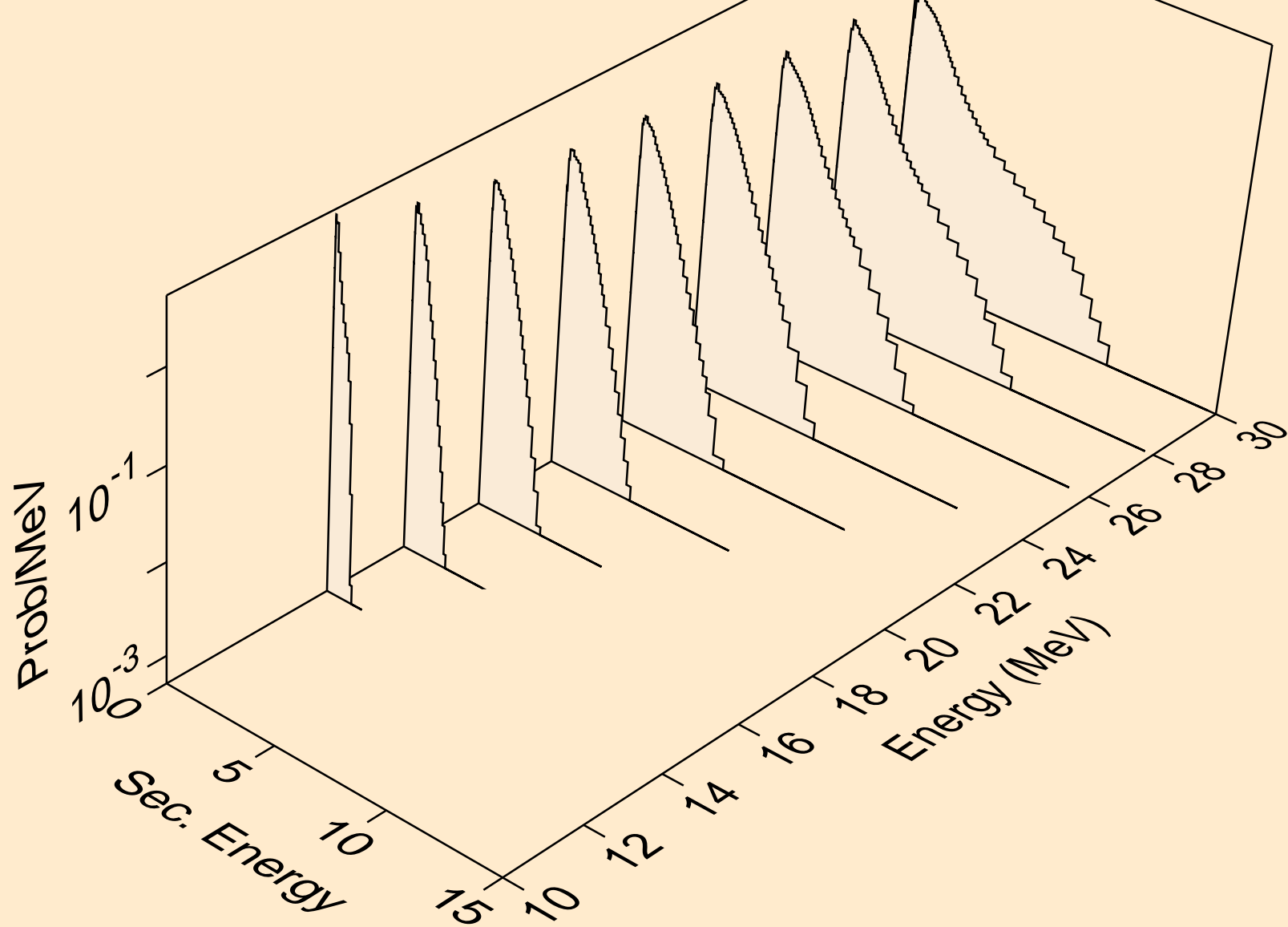
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



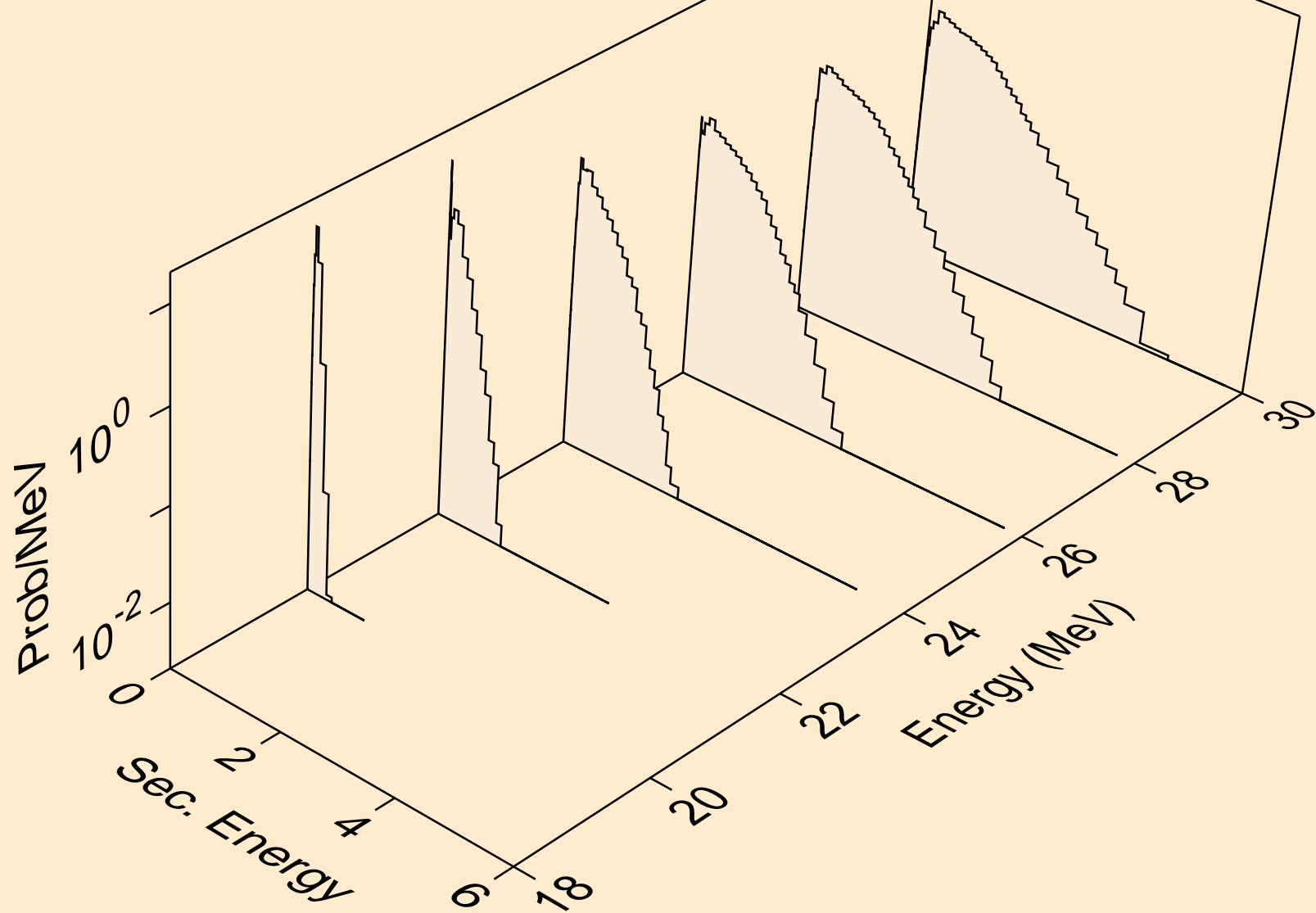
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)



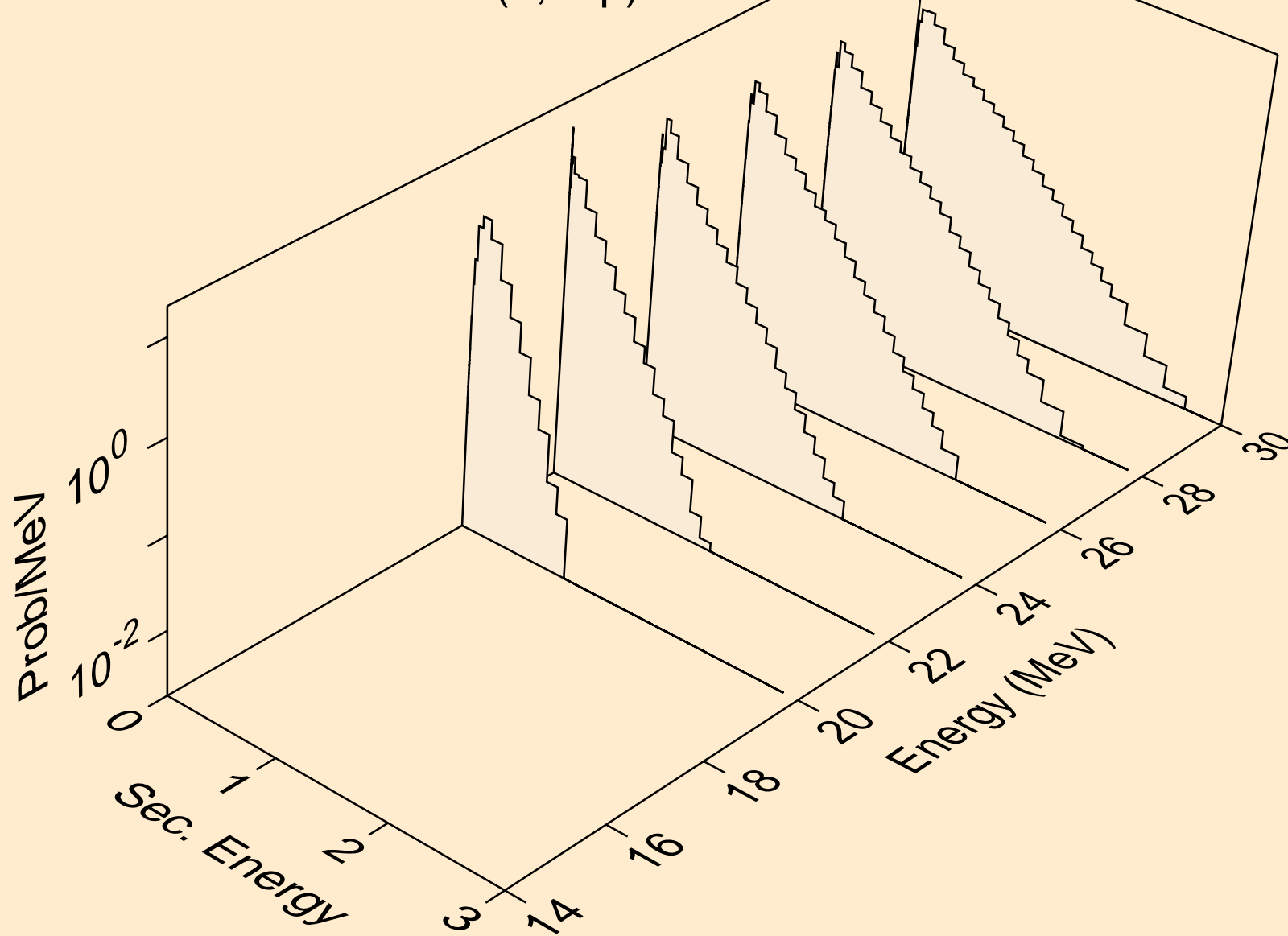
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



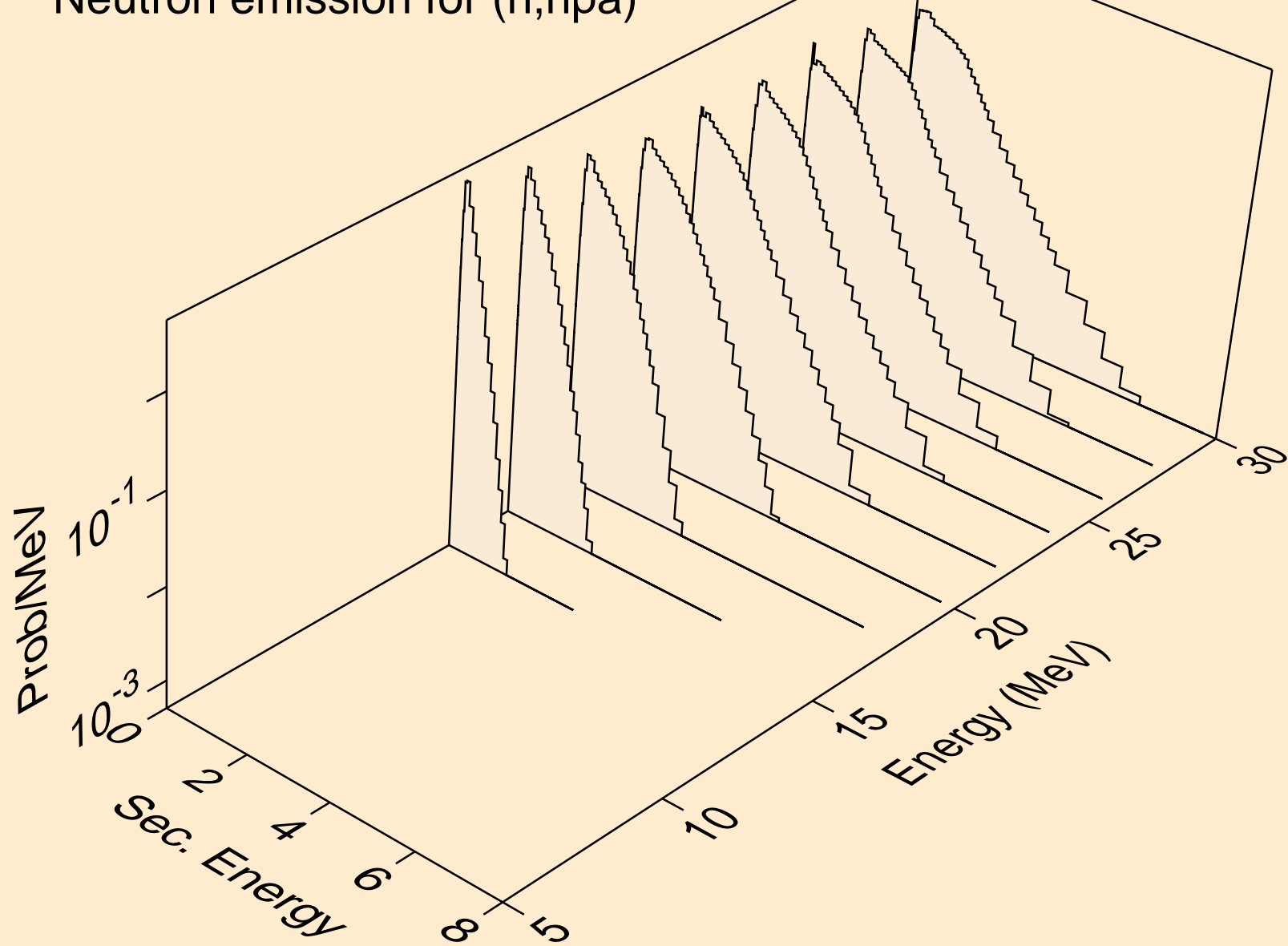
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)



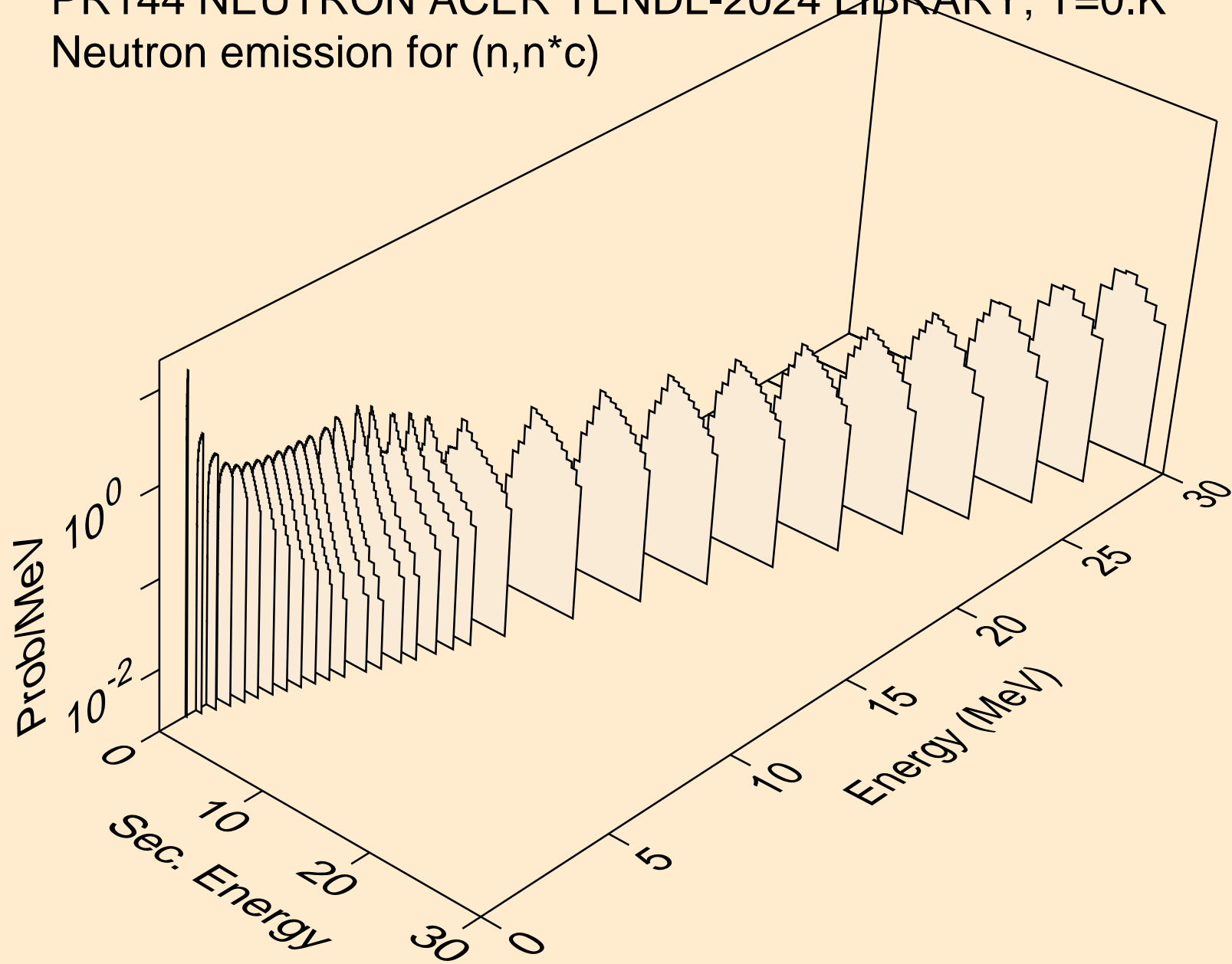
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)

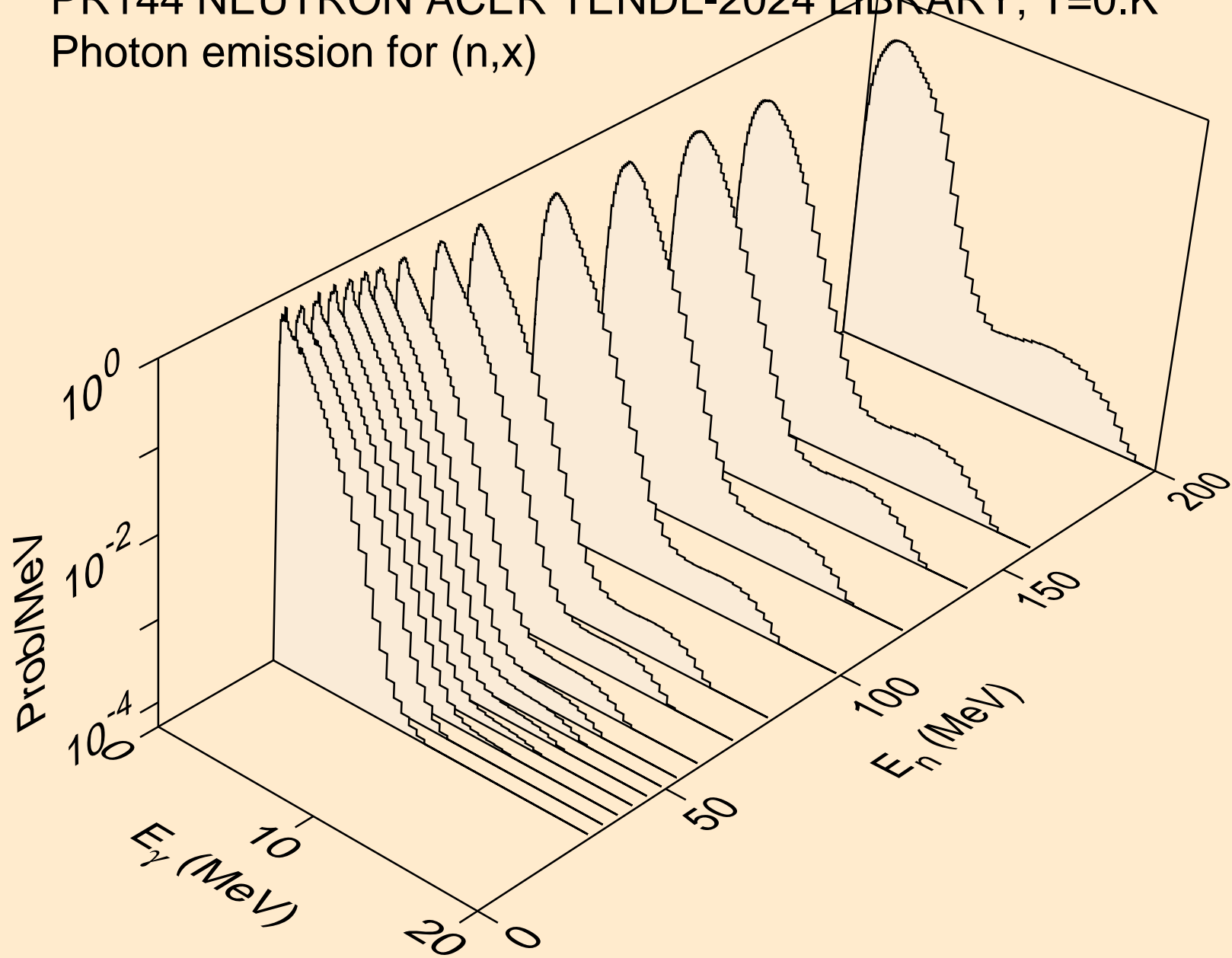


PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)

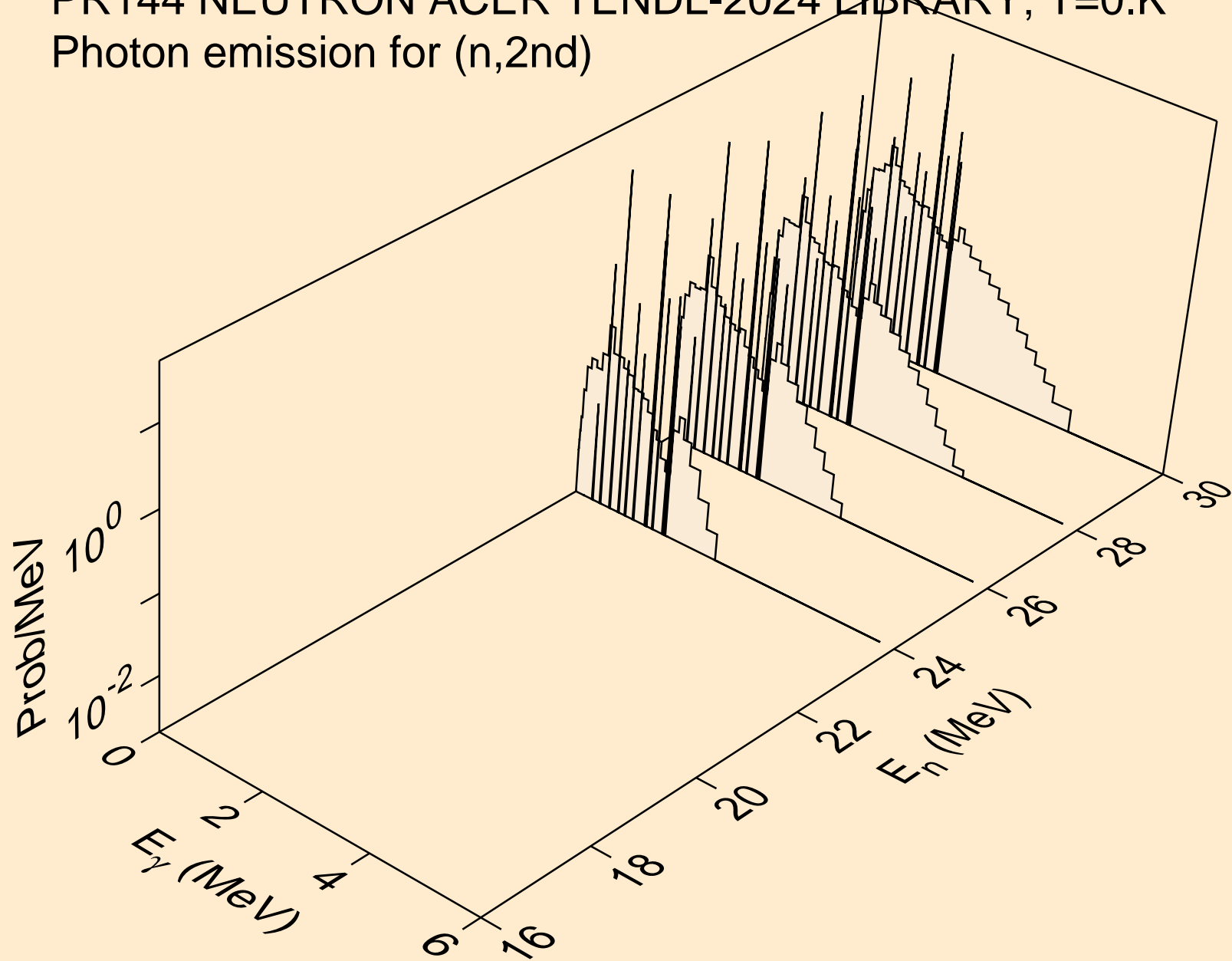




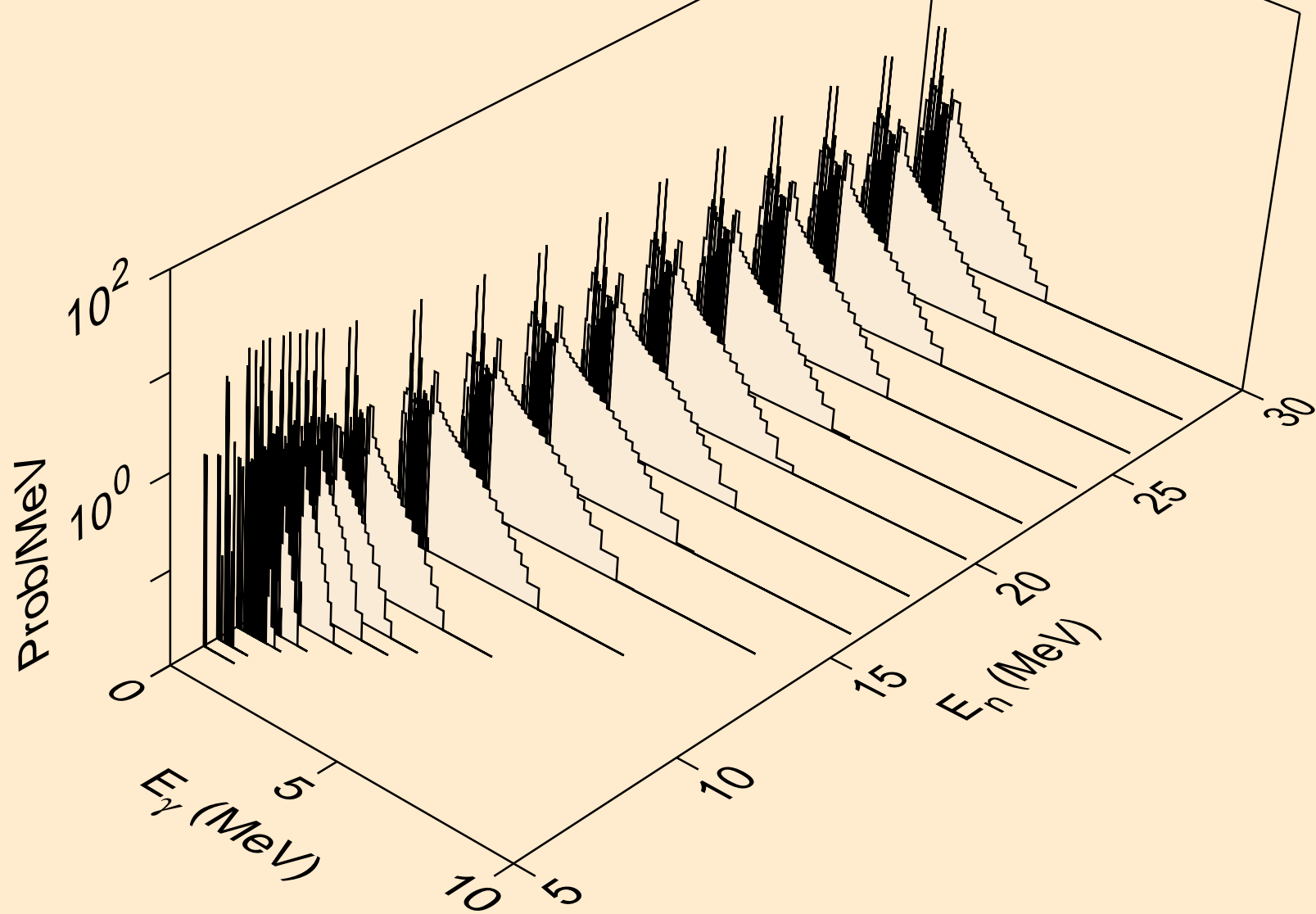
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



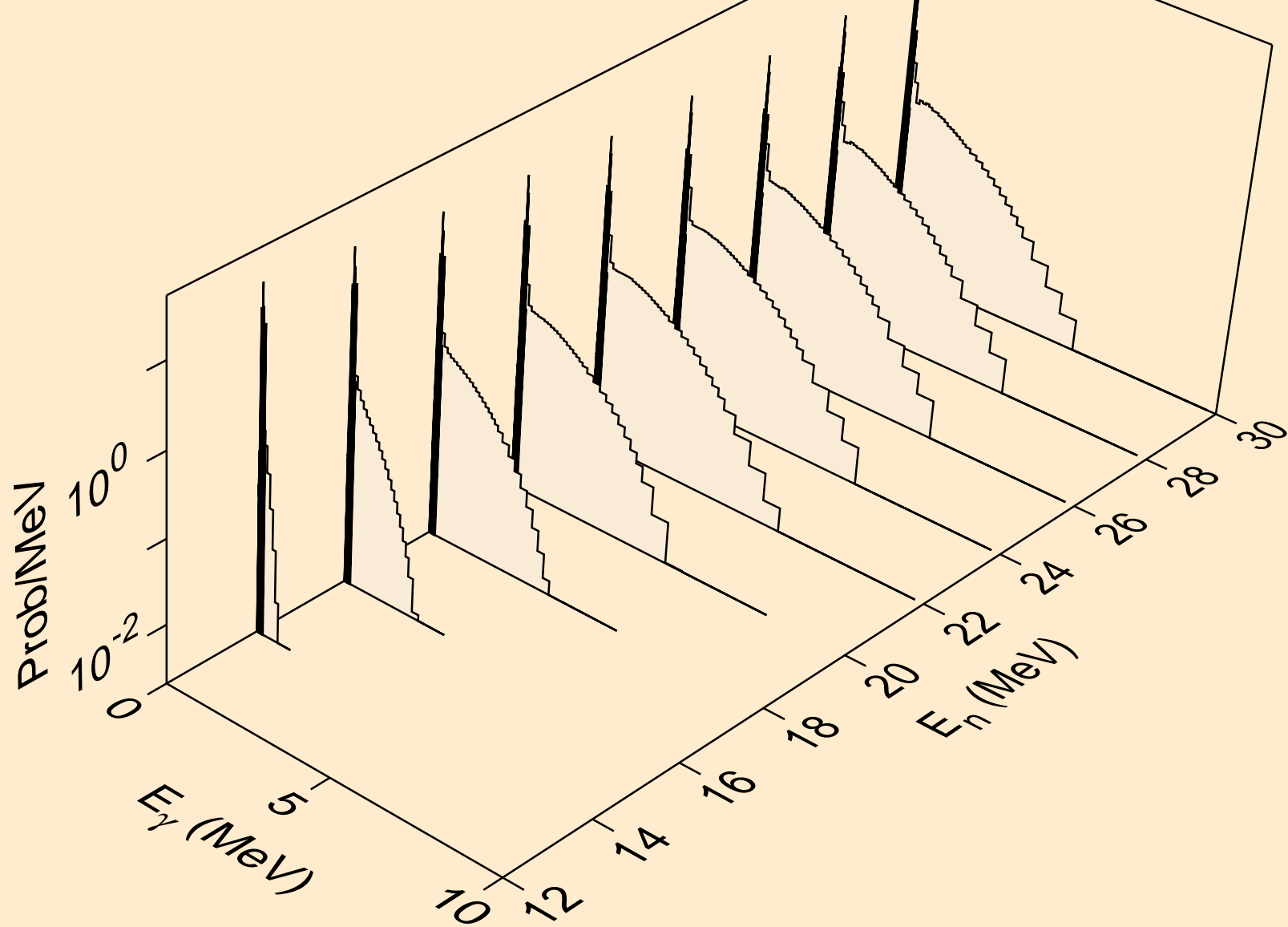
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



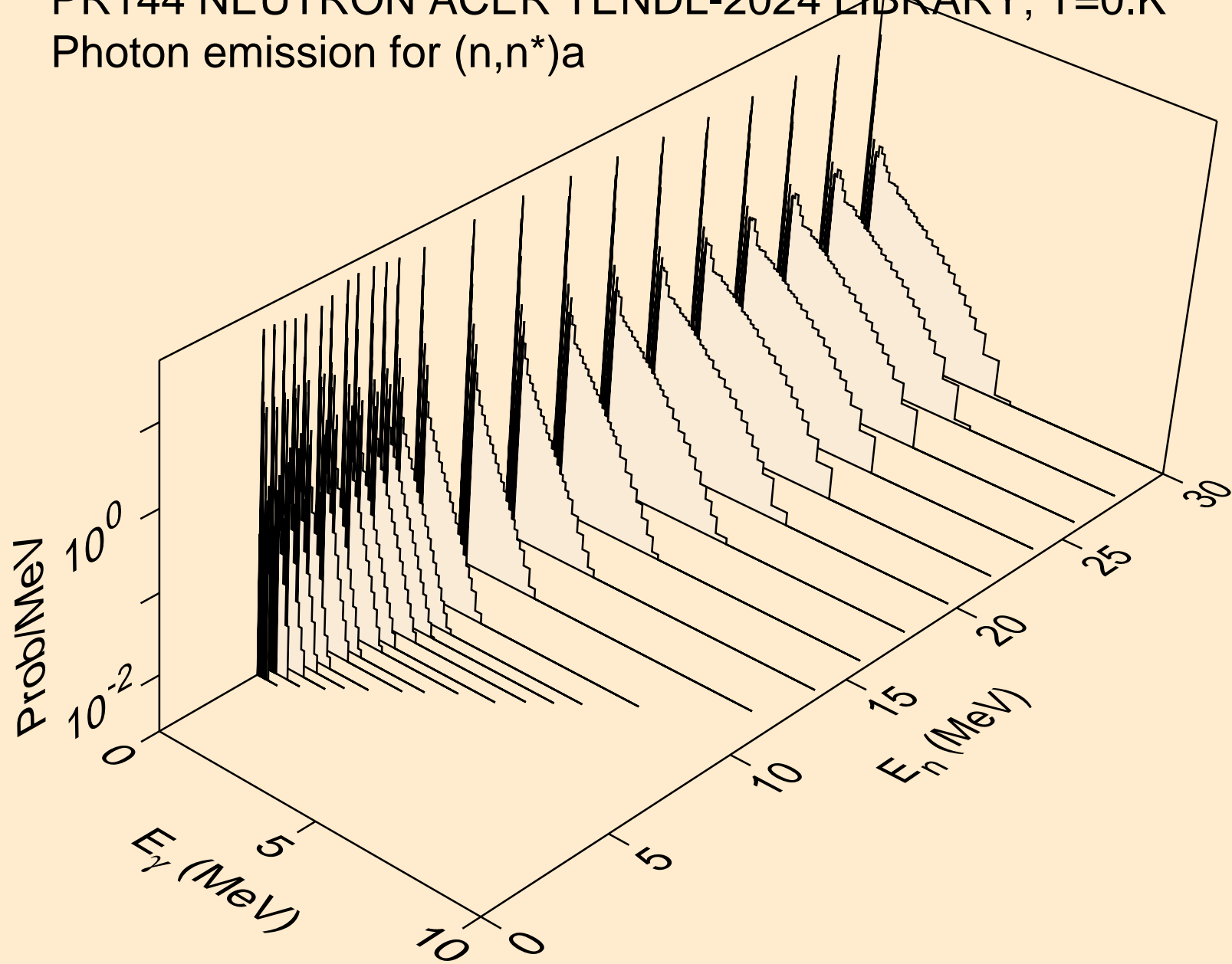
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



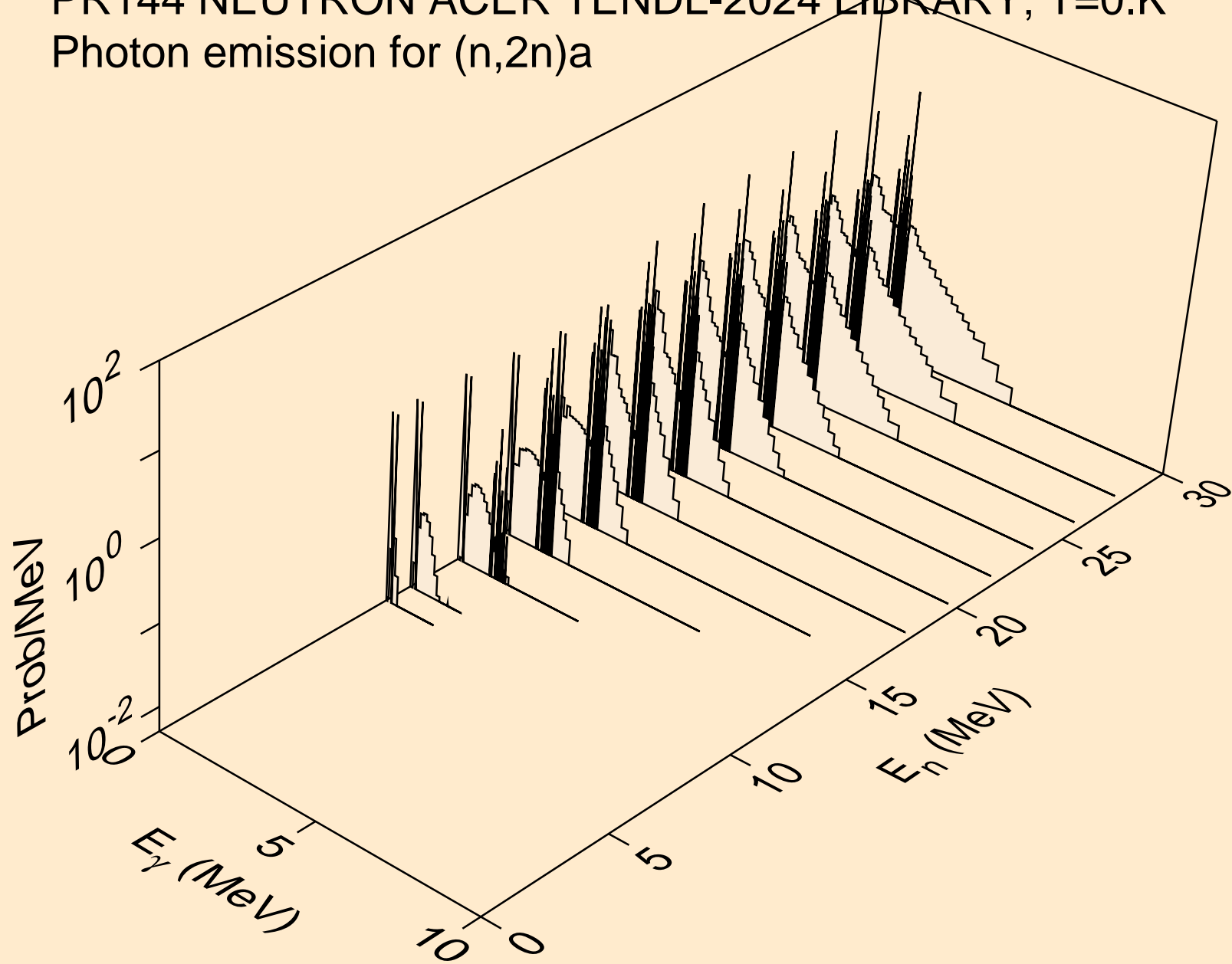
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



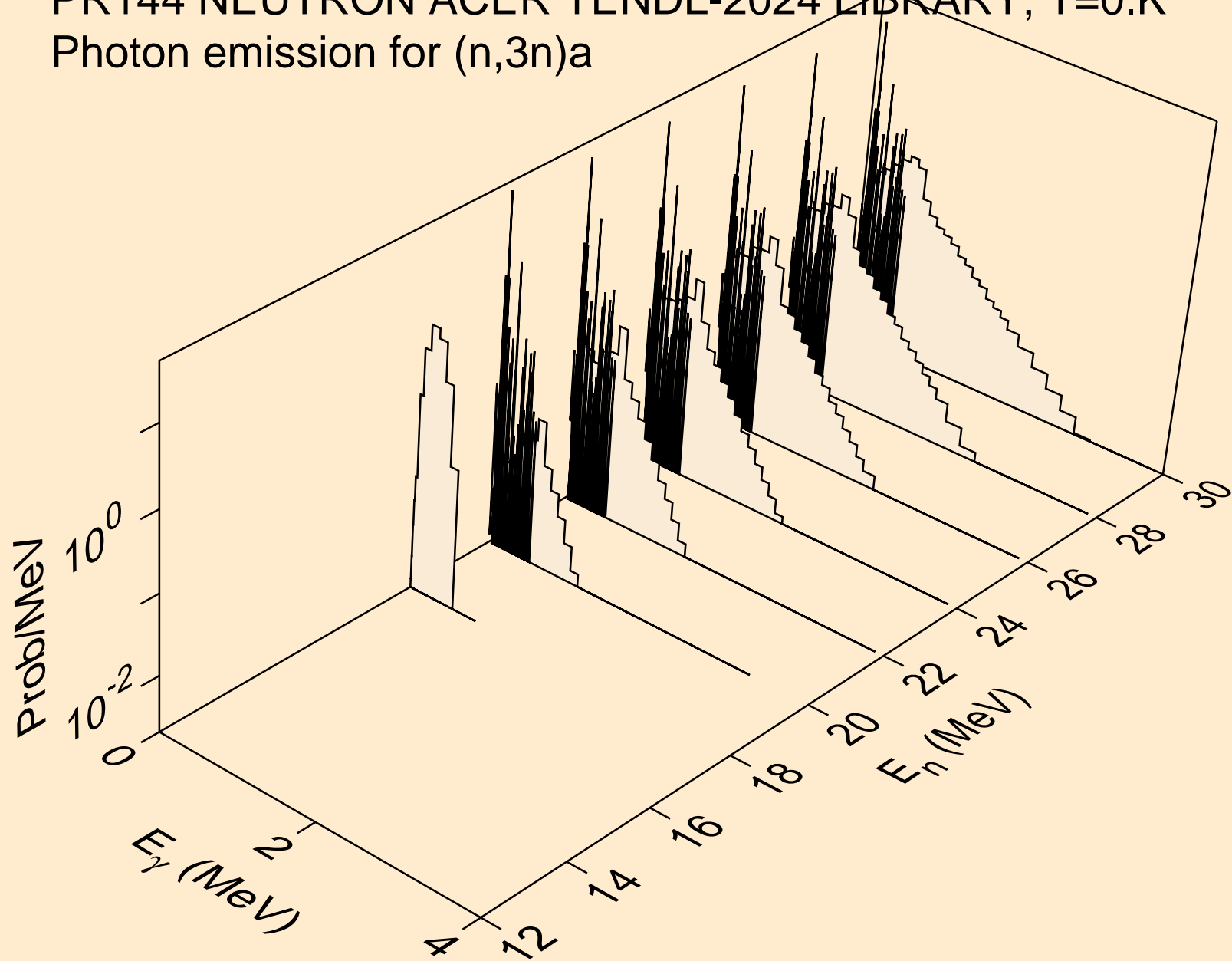
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



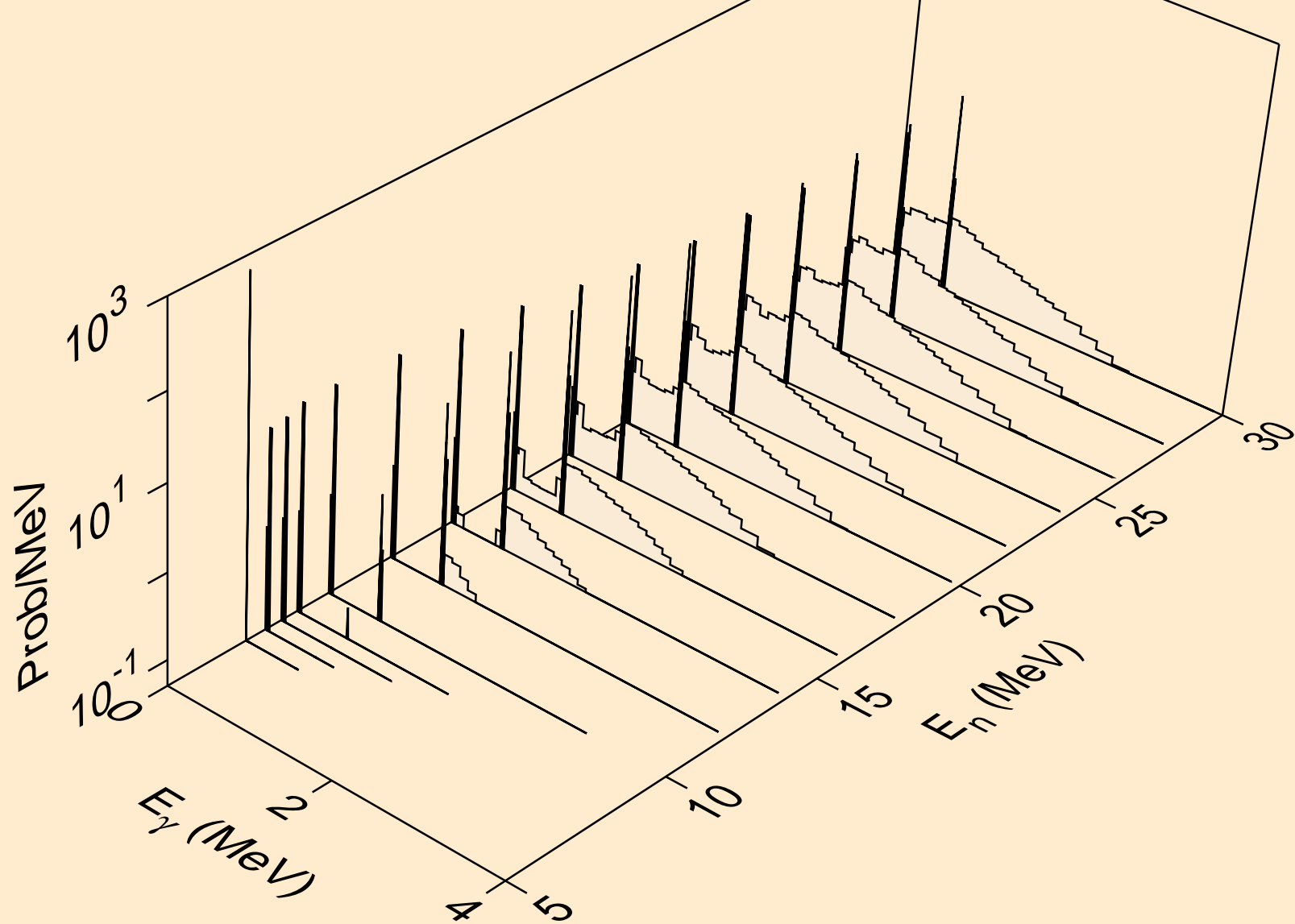
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a

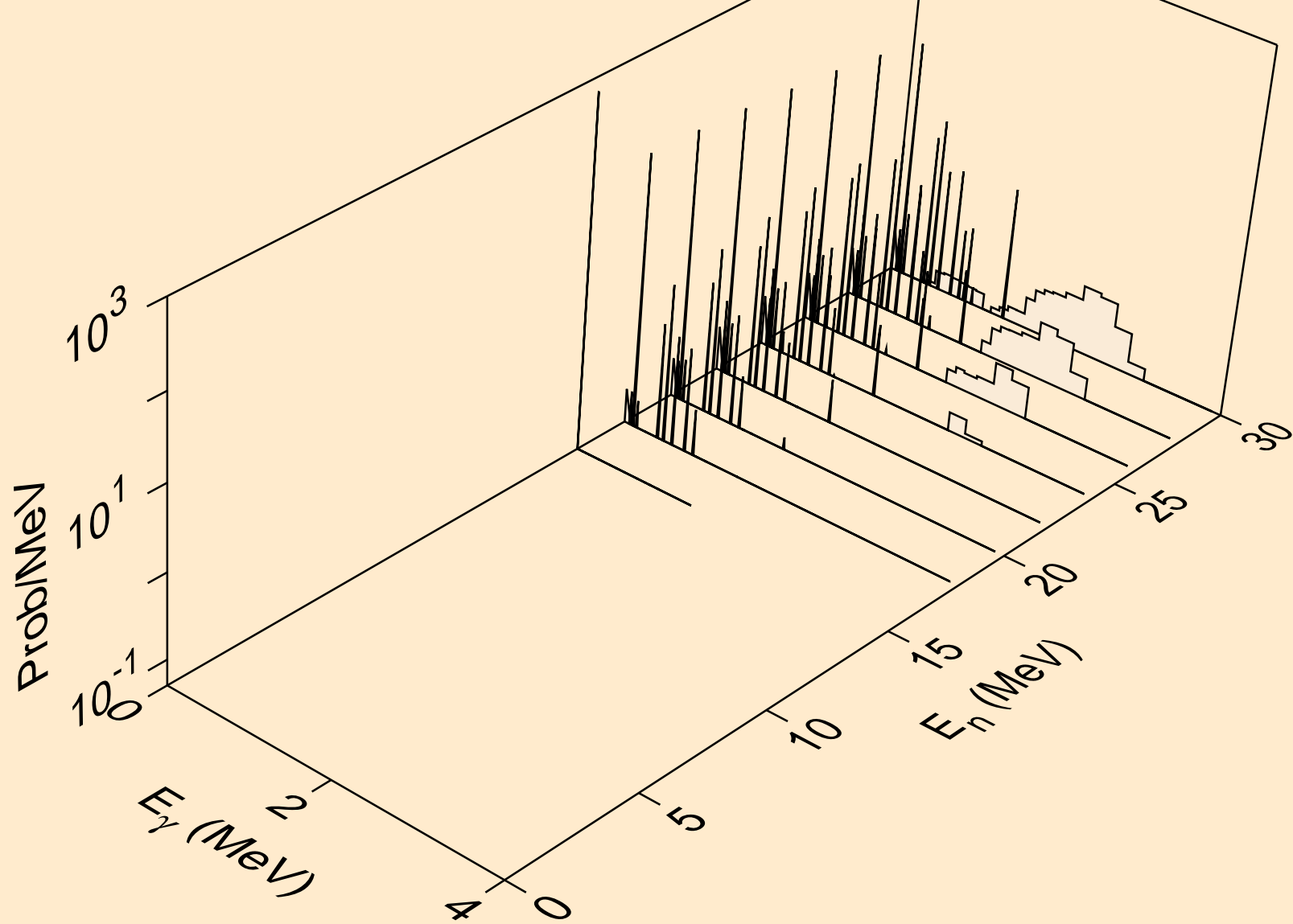


PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

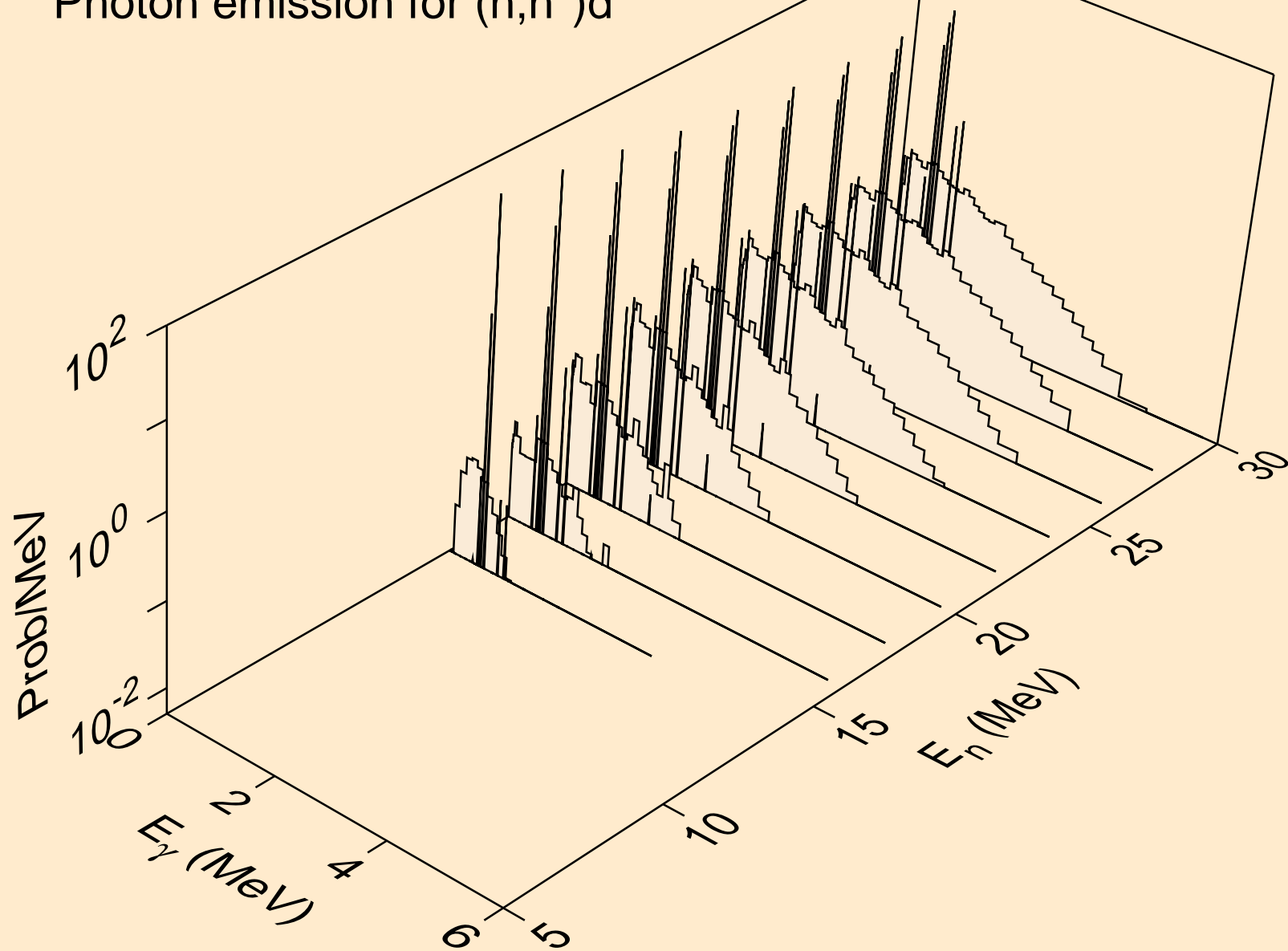




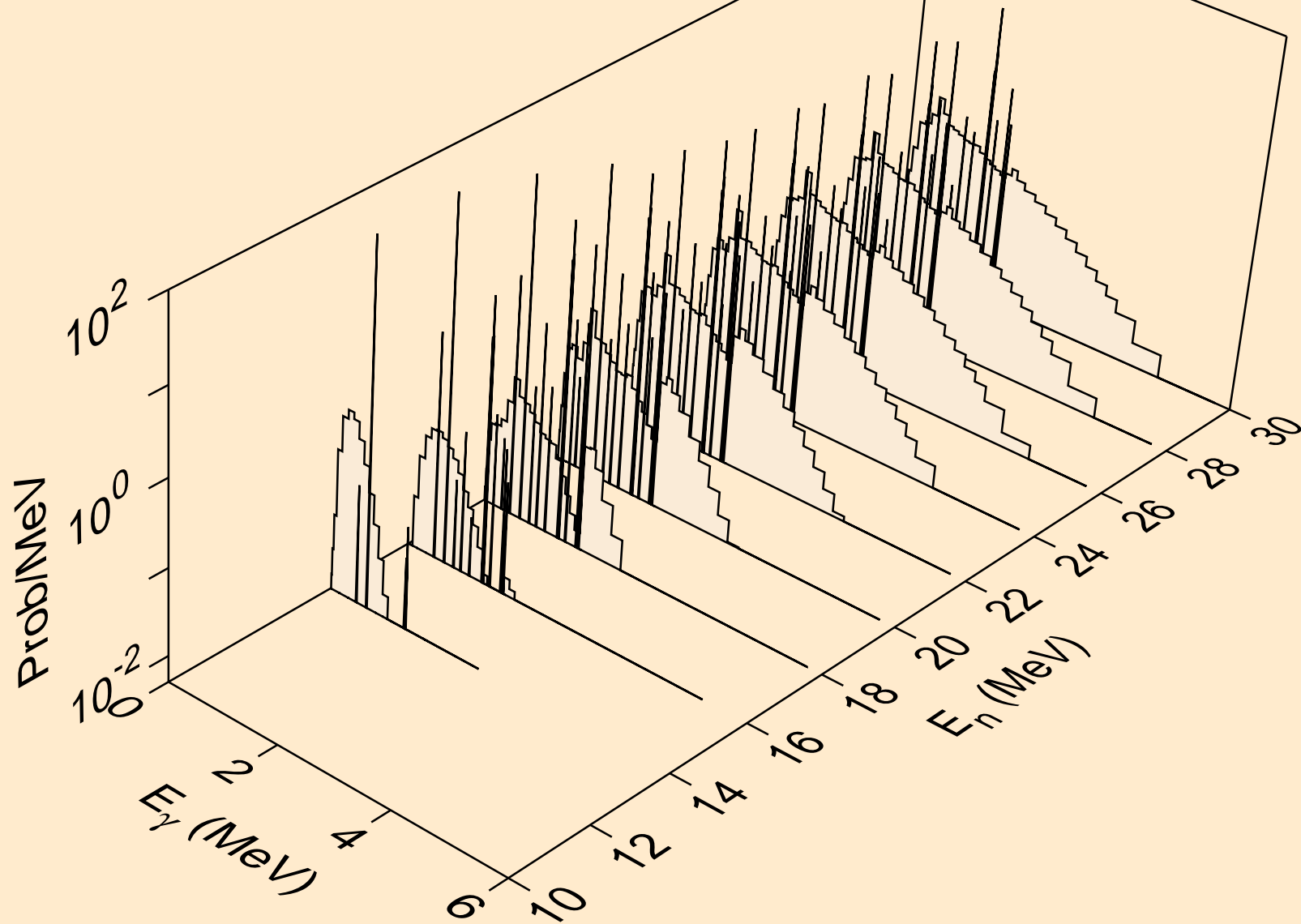
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



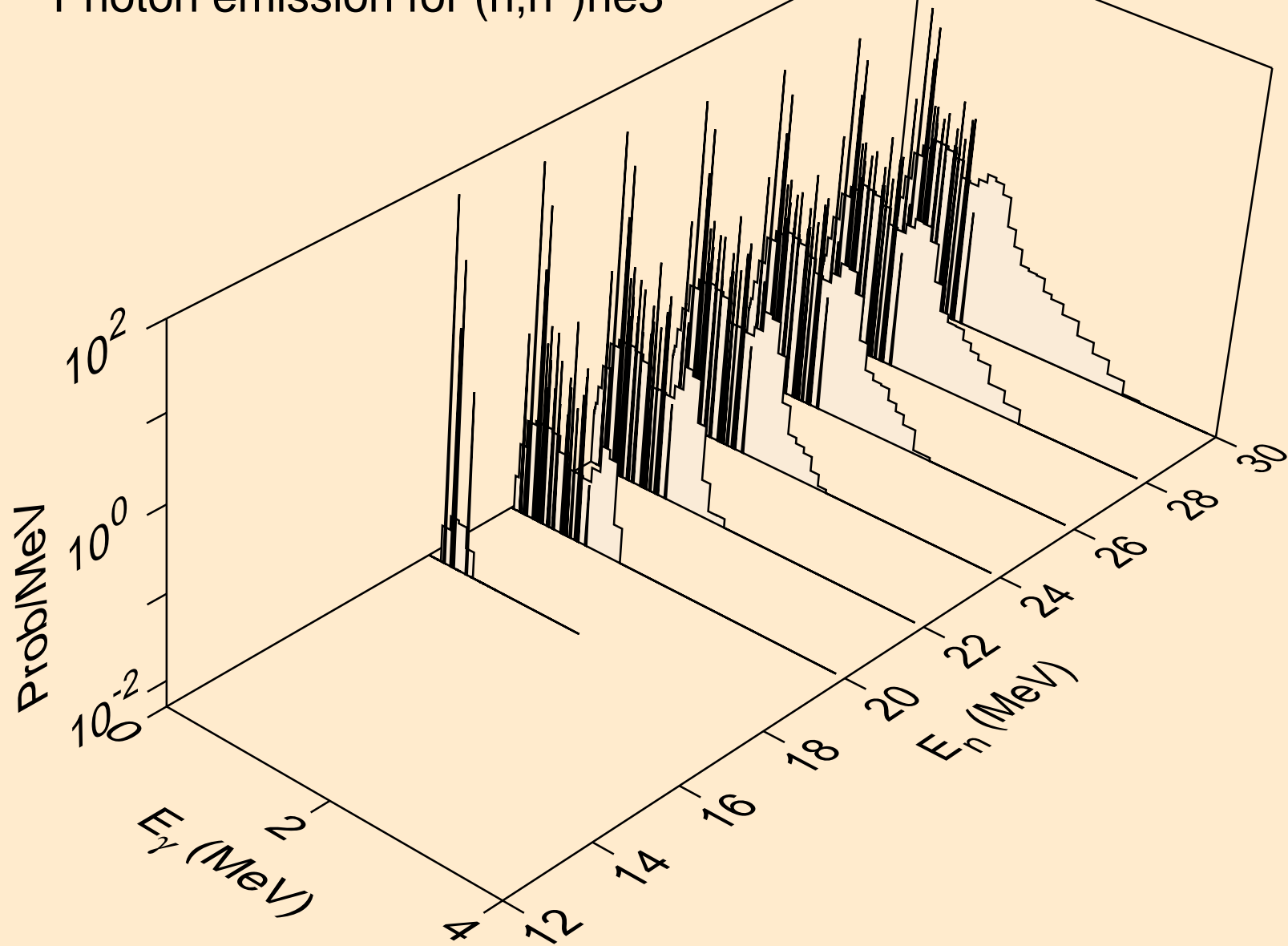
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



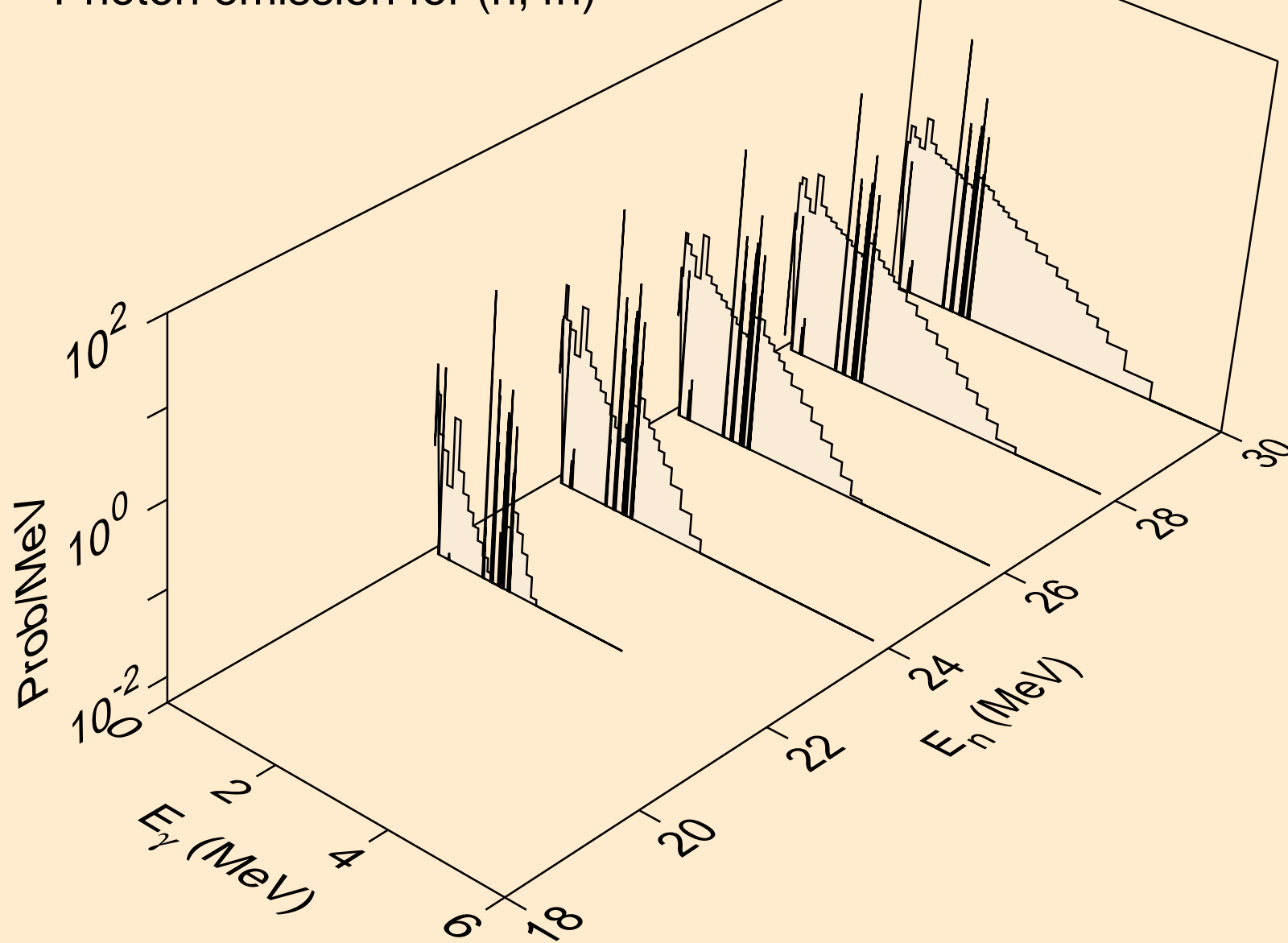
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



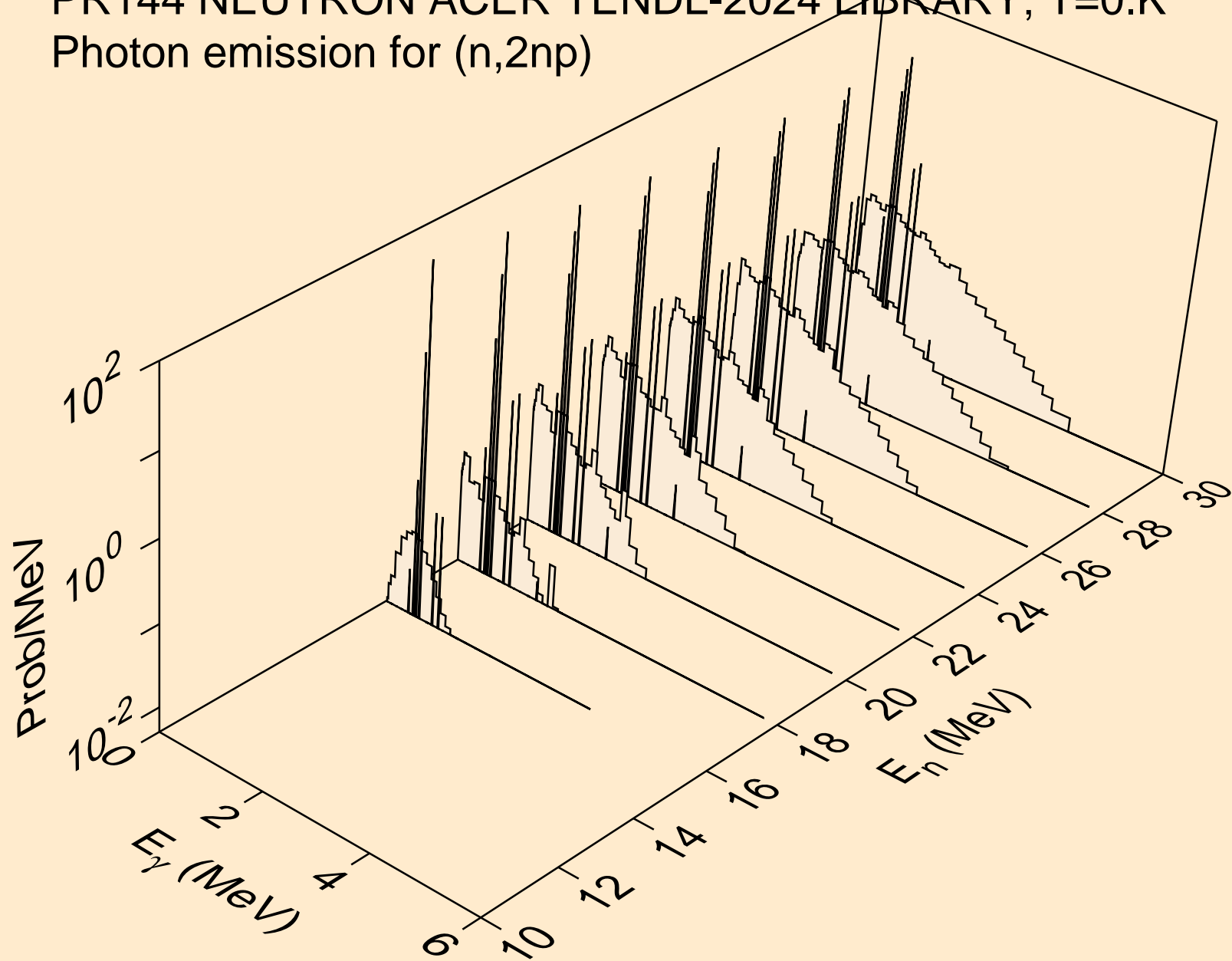
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



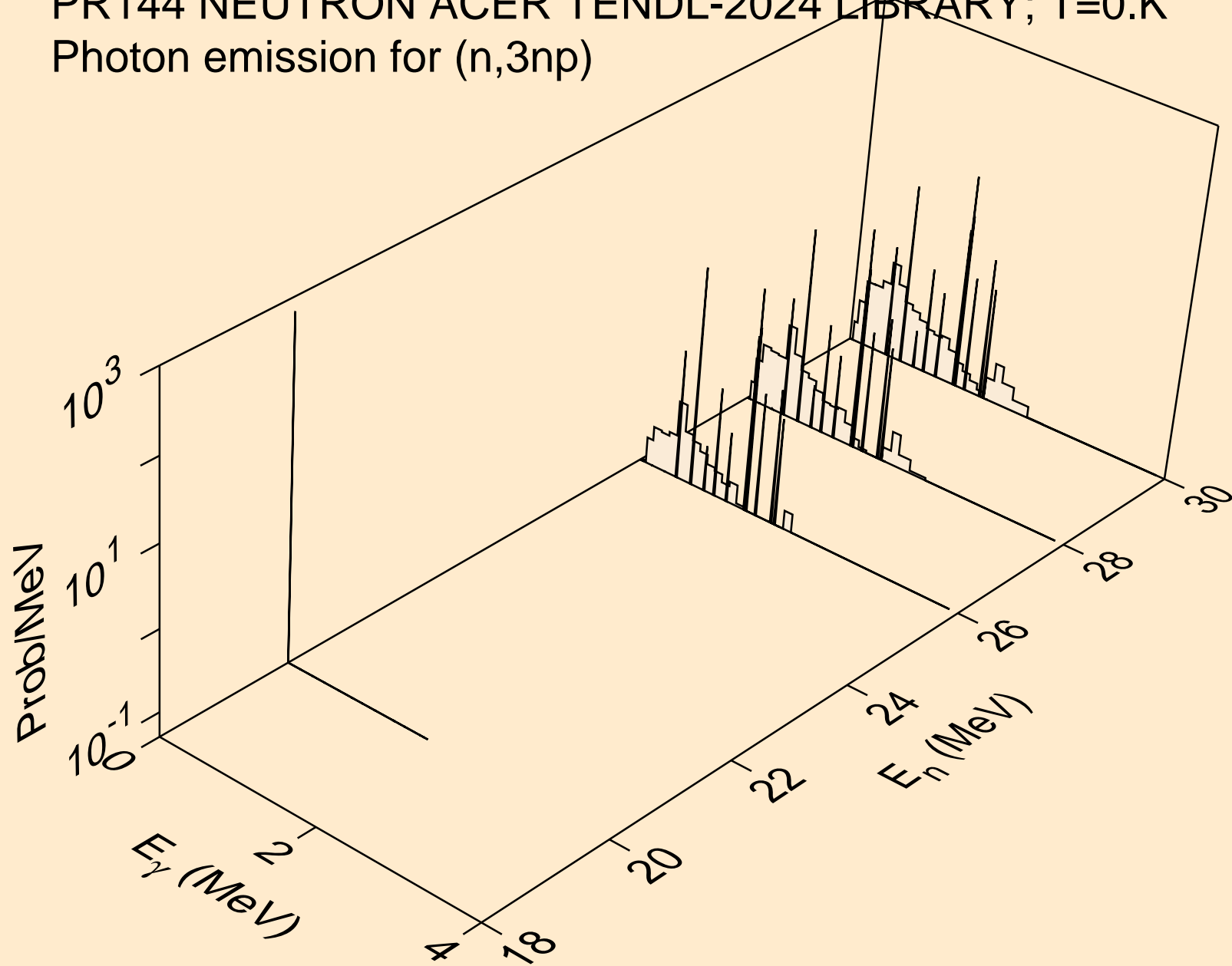
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



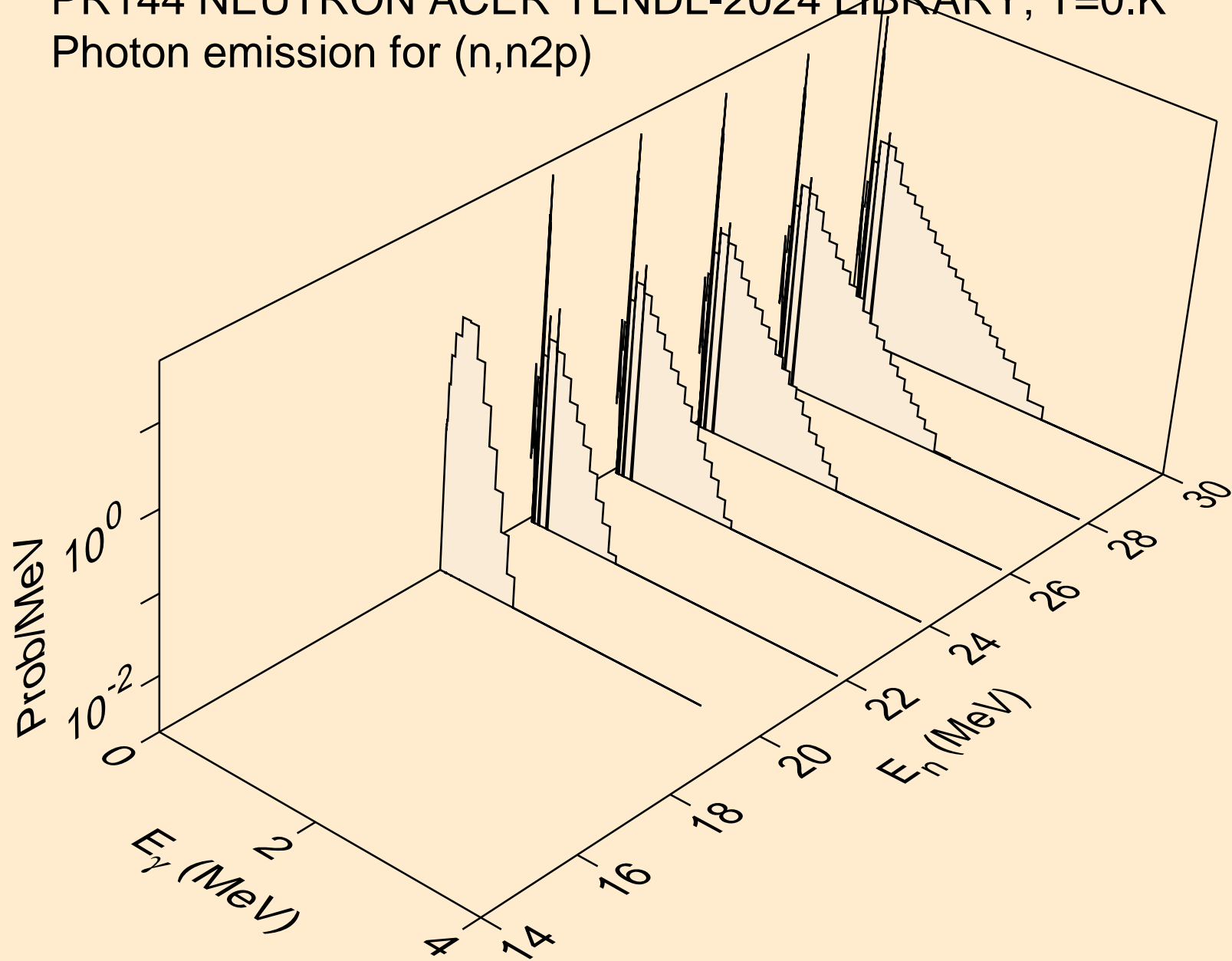
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)

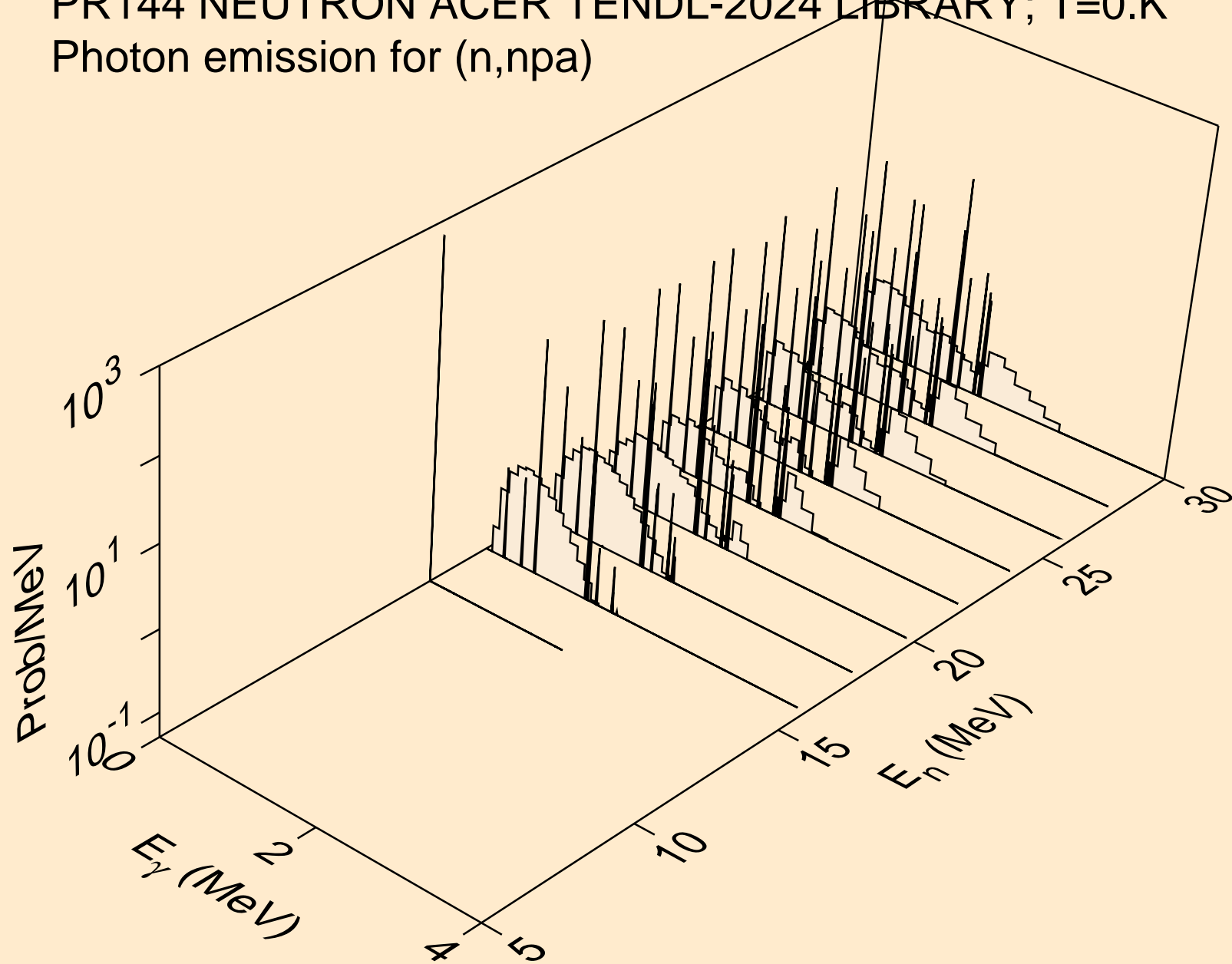


PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)

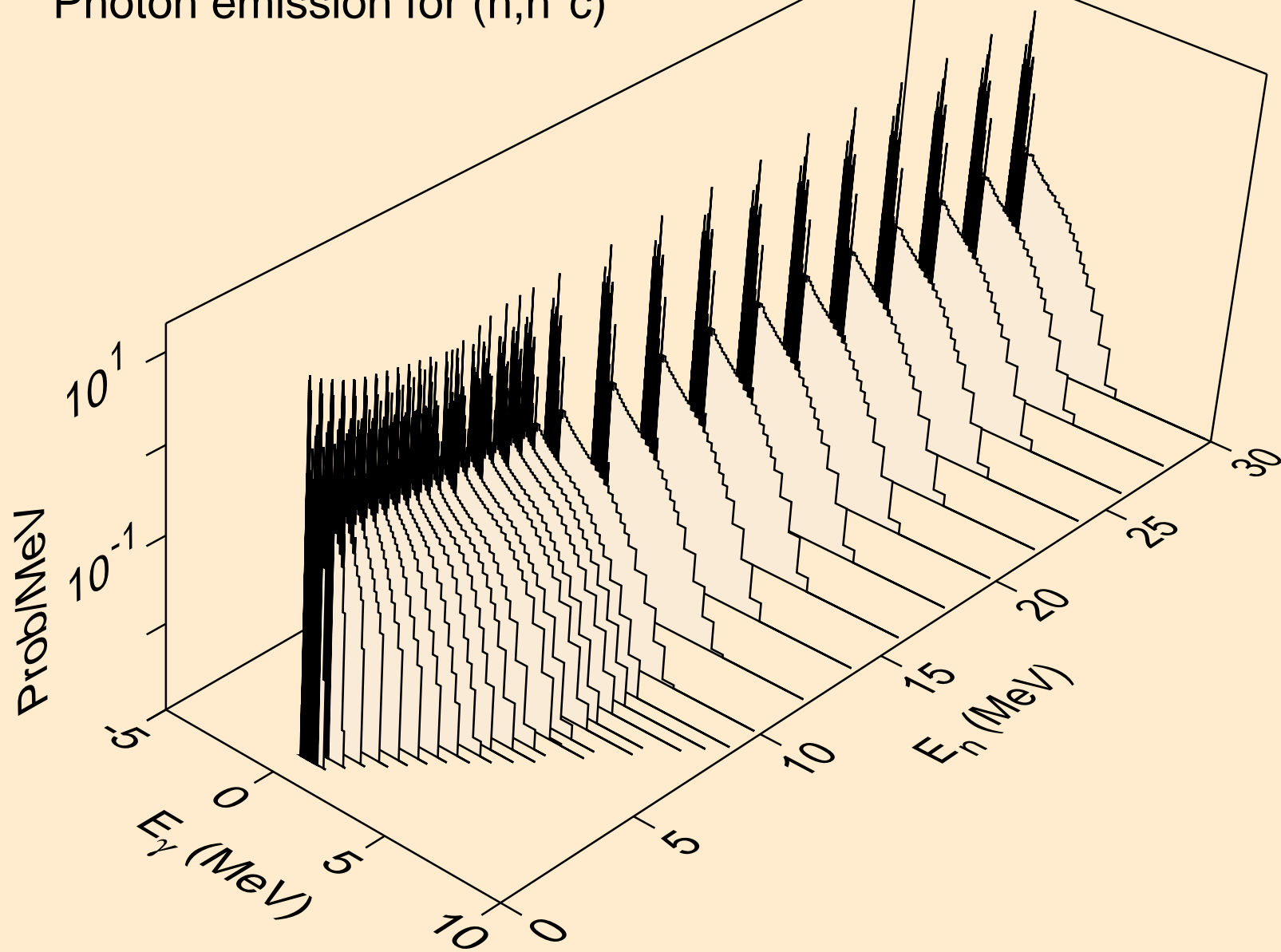




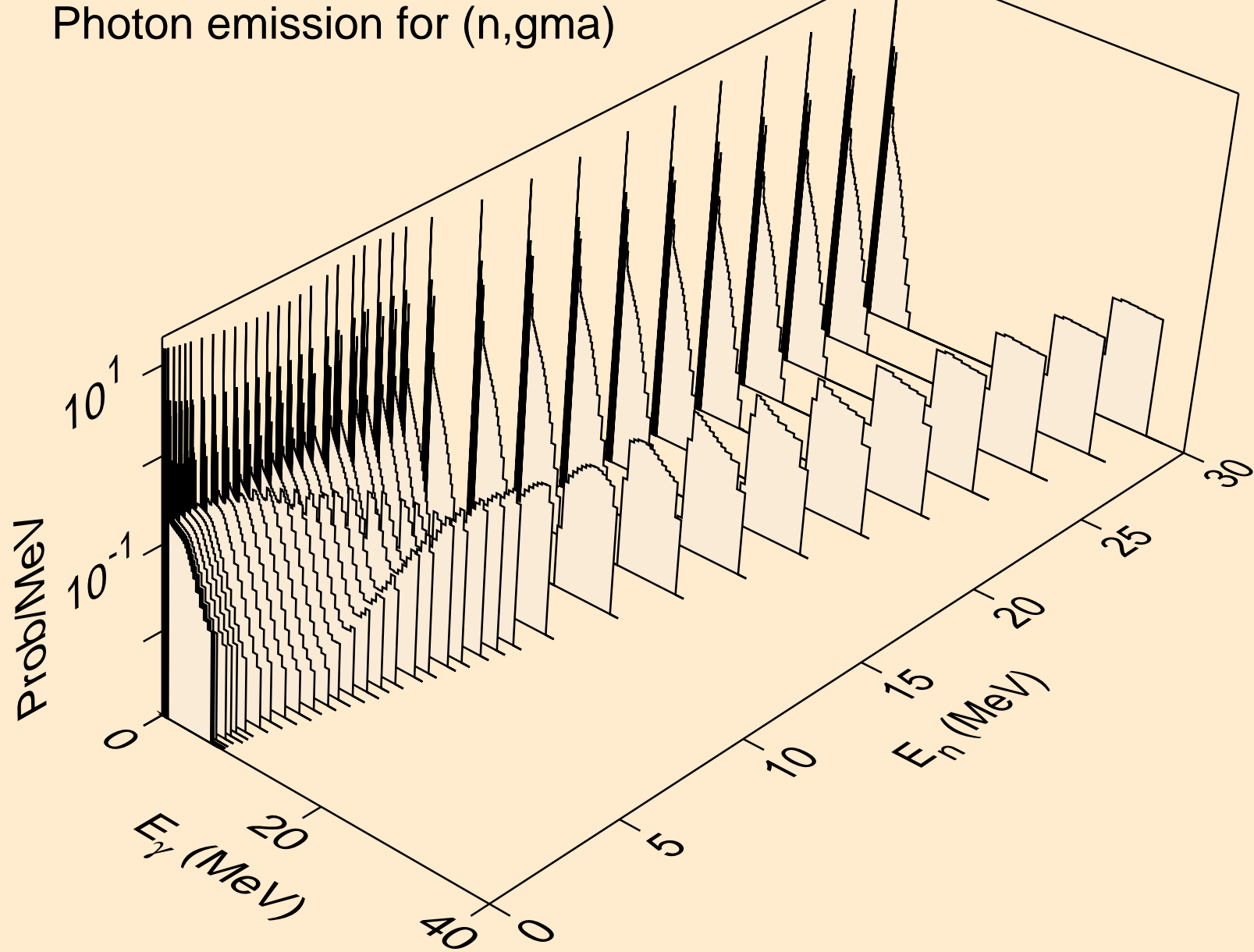
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



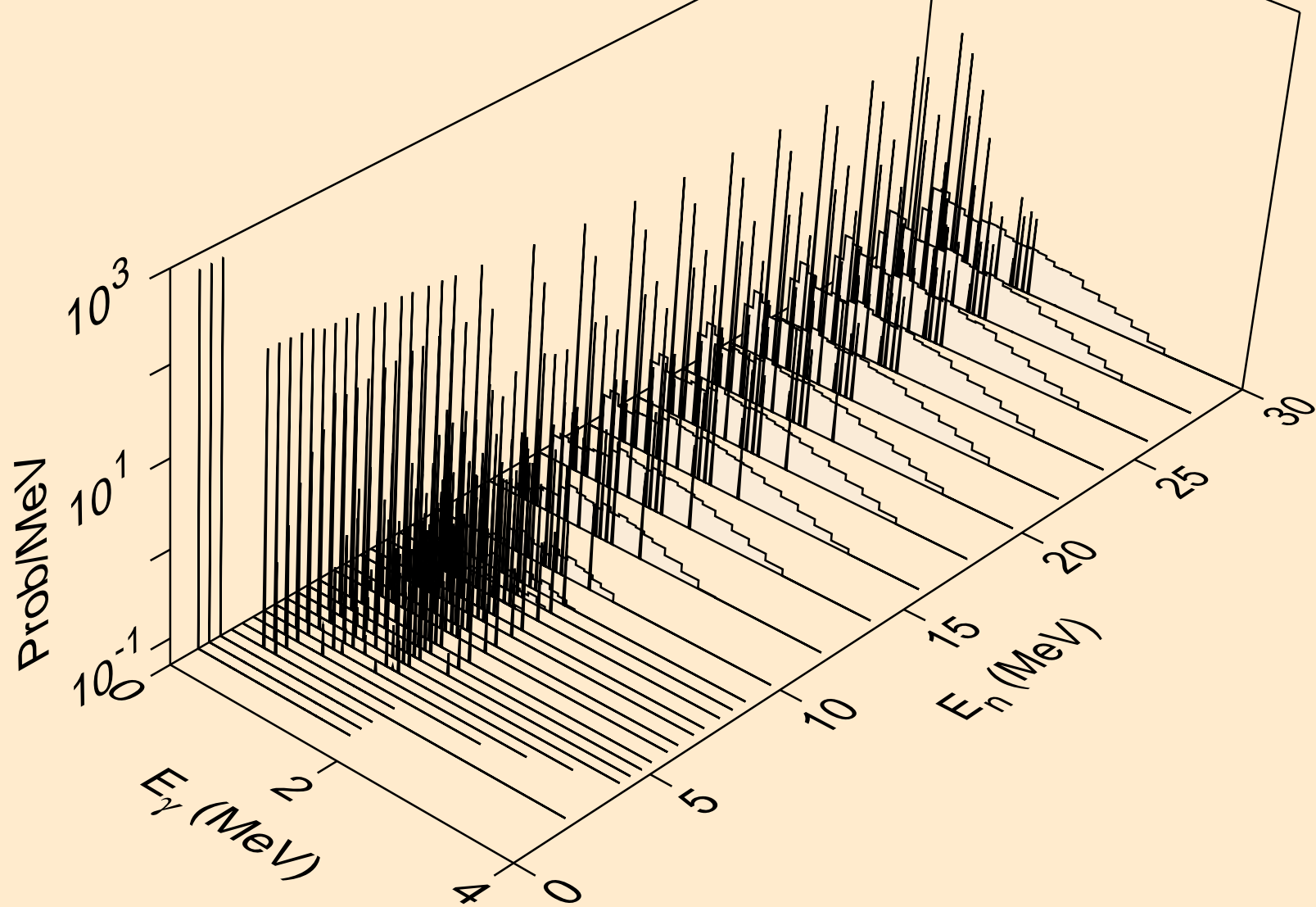
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



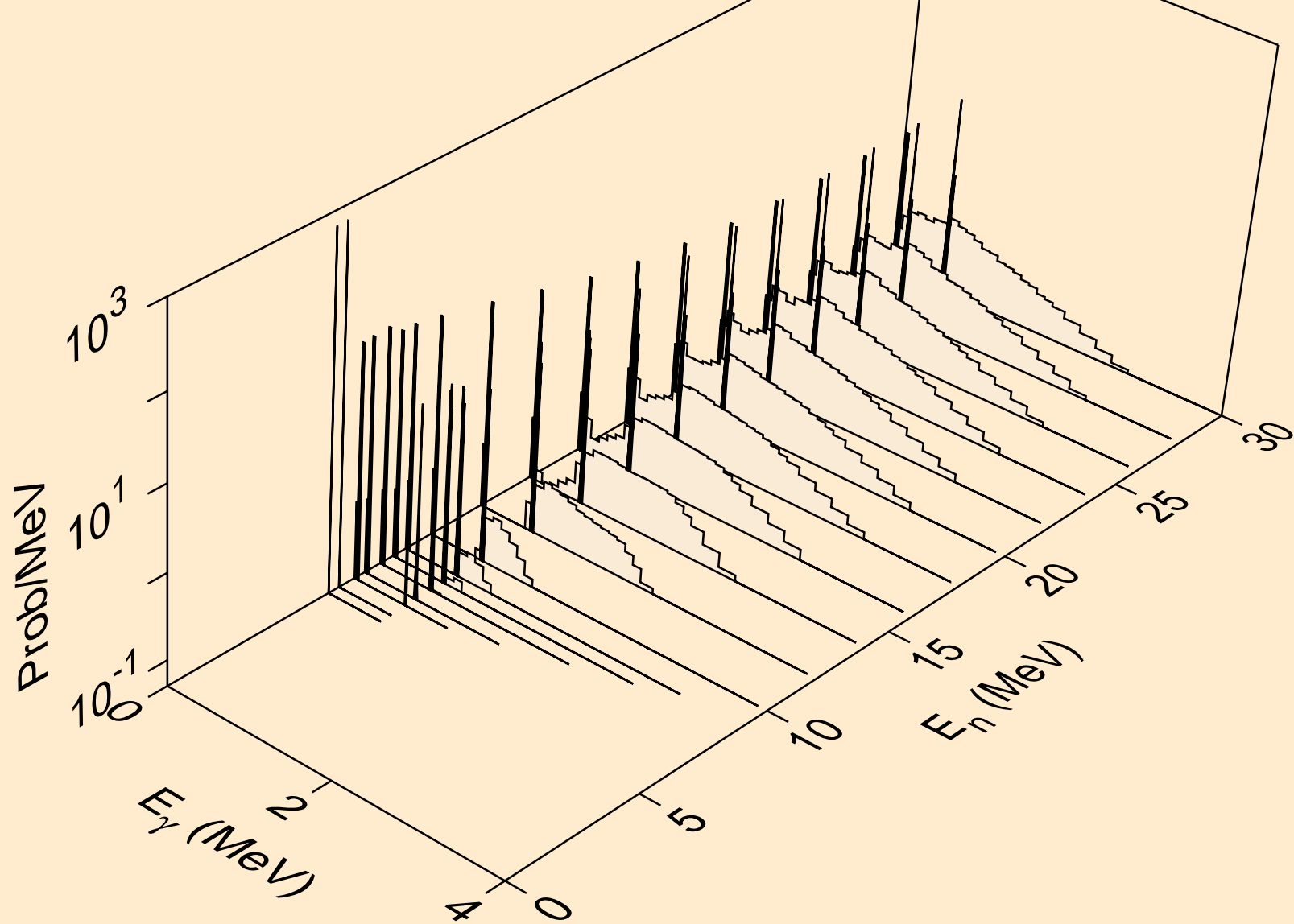
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



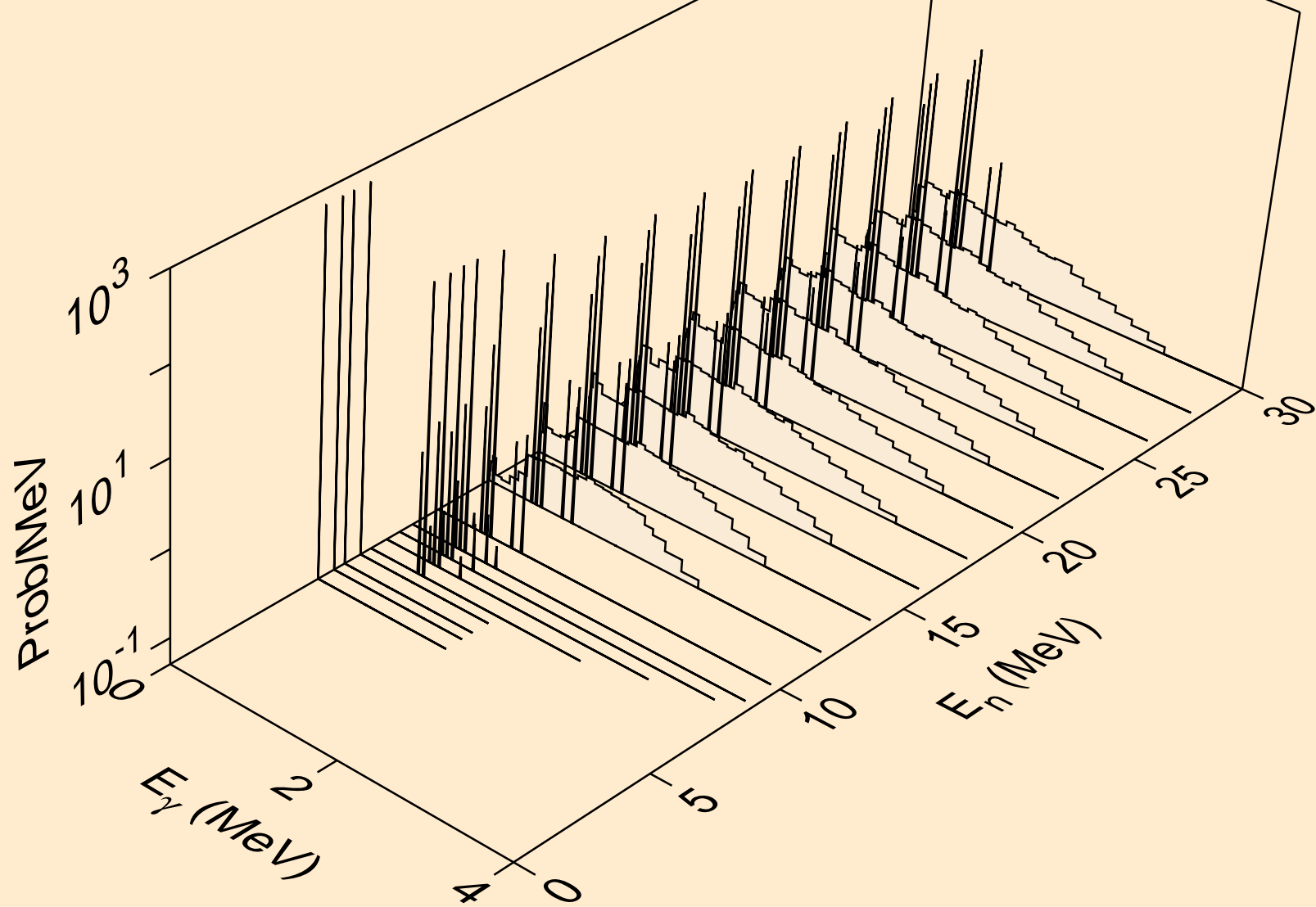
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



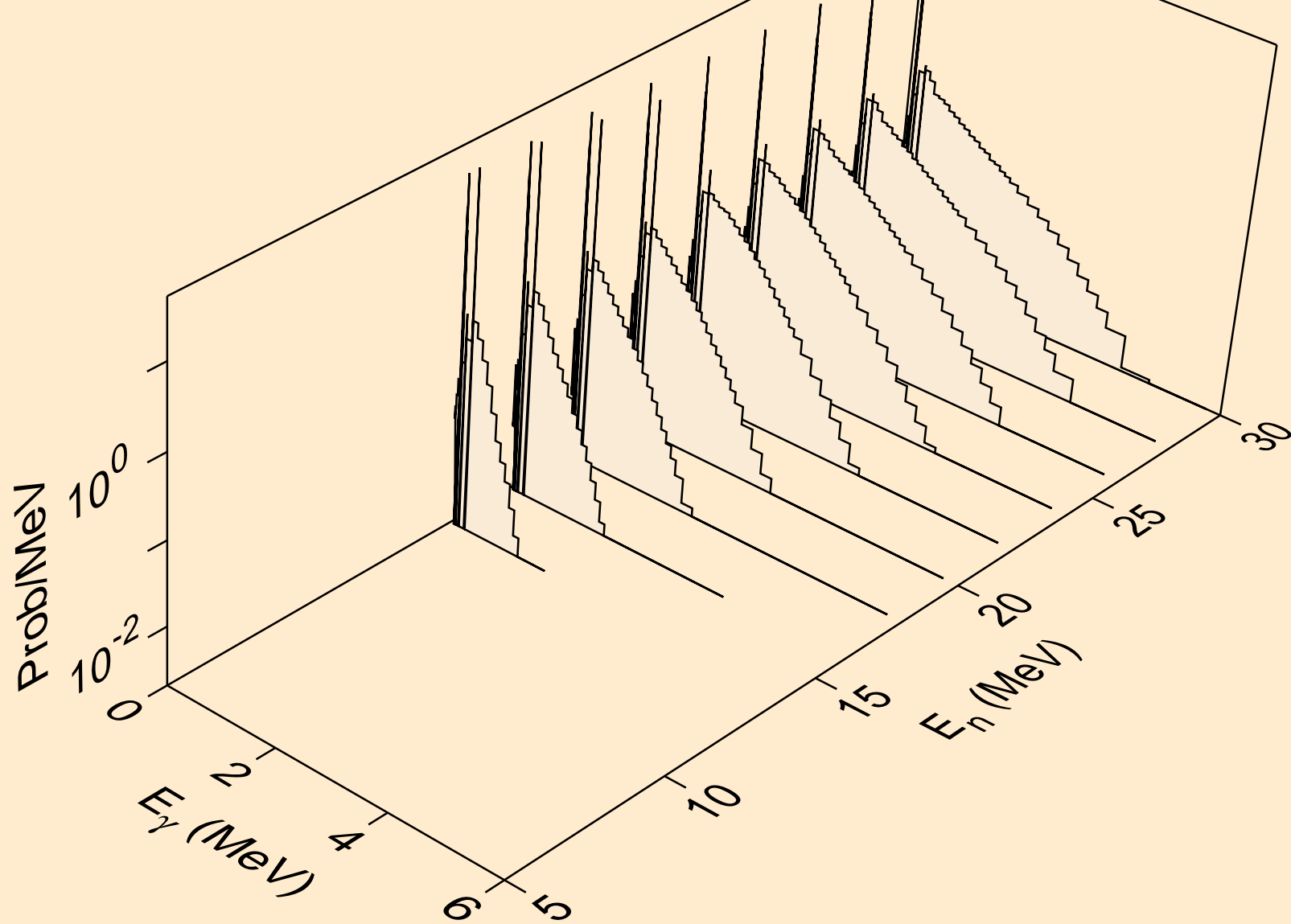
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



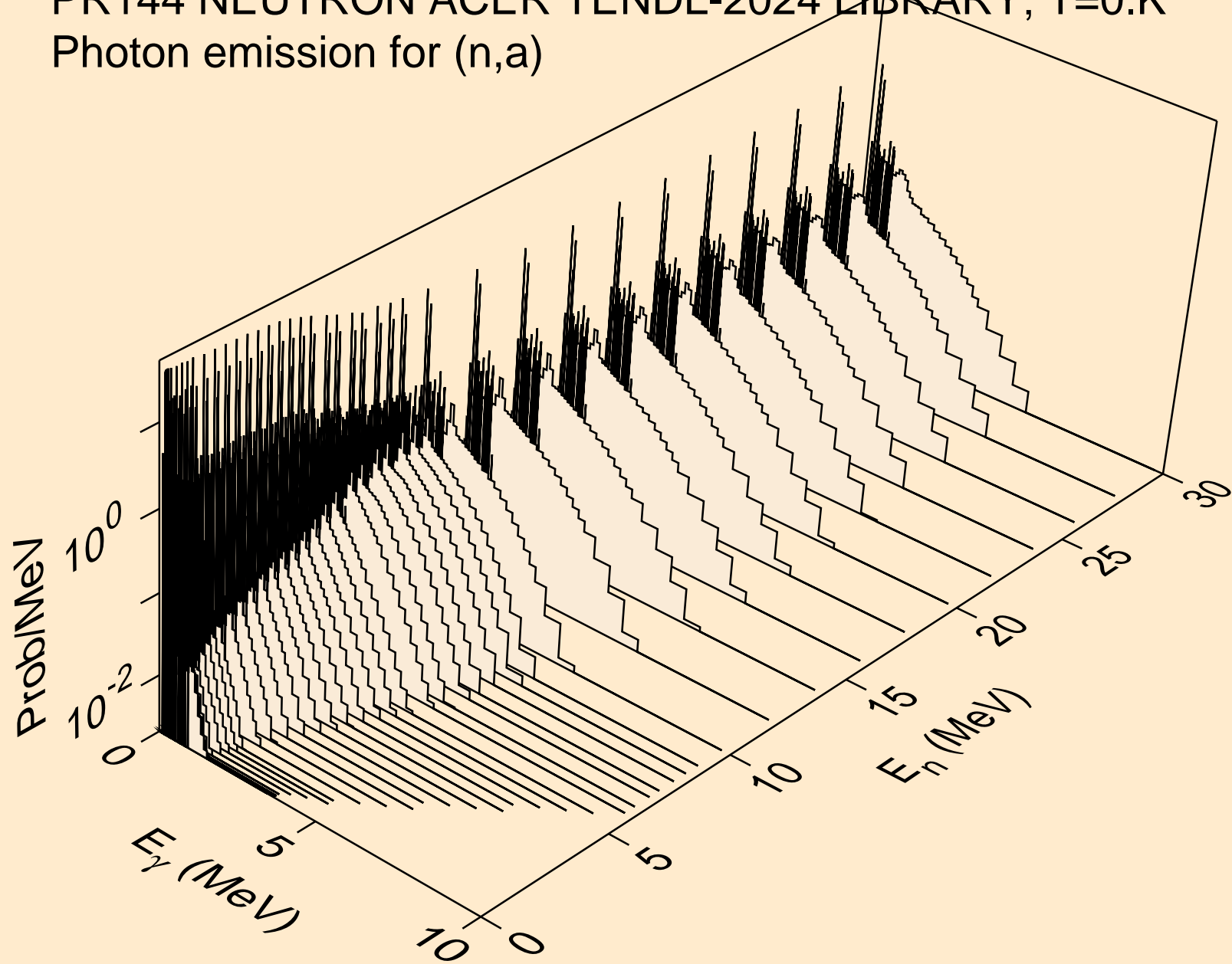
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)

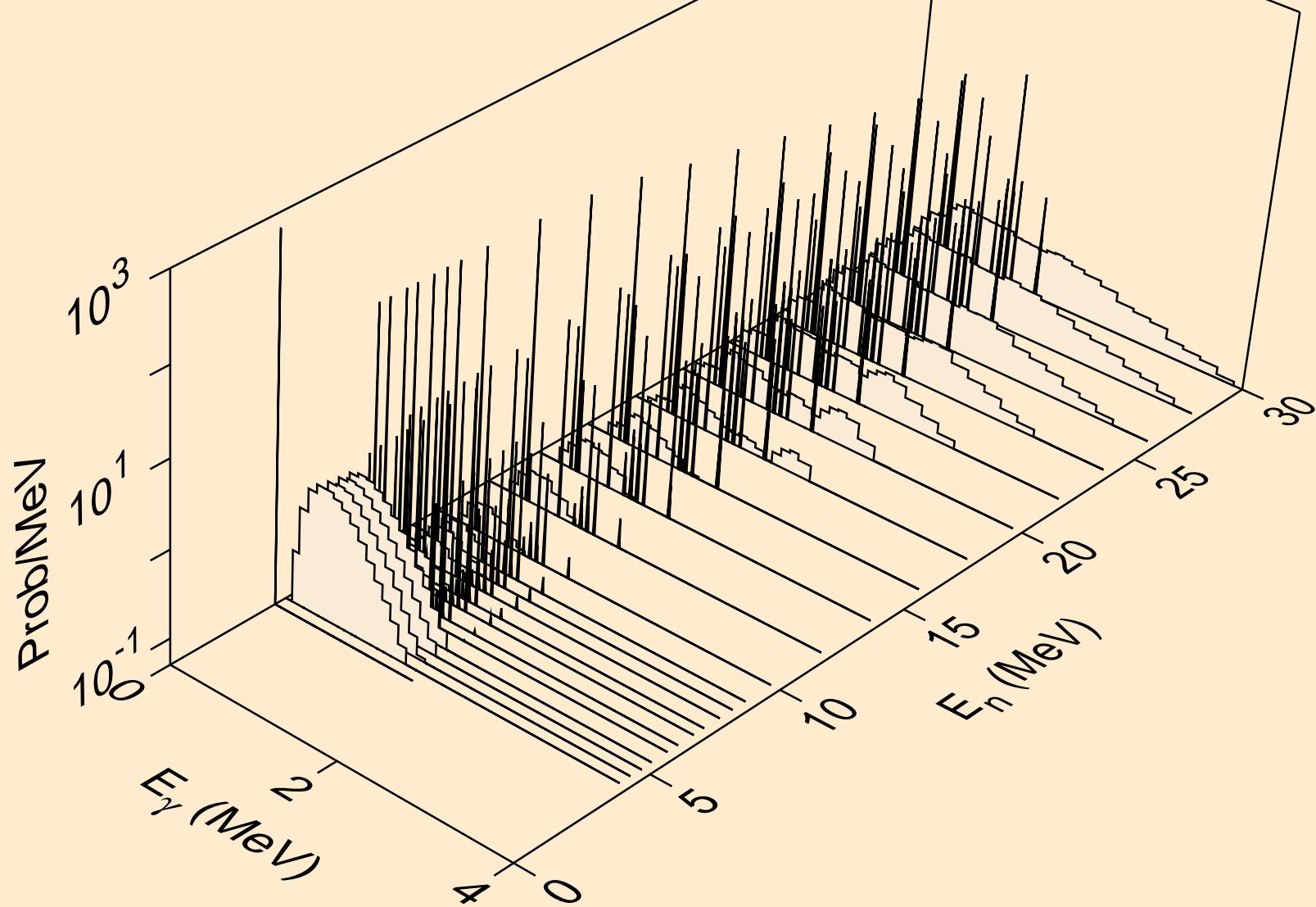


PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)

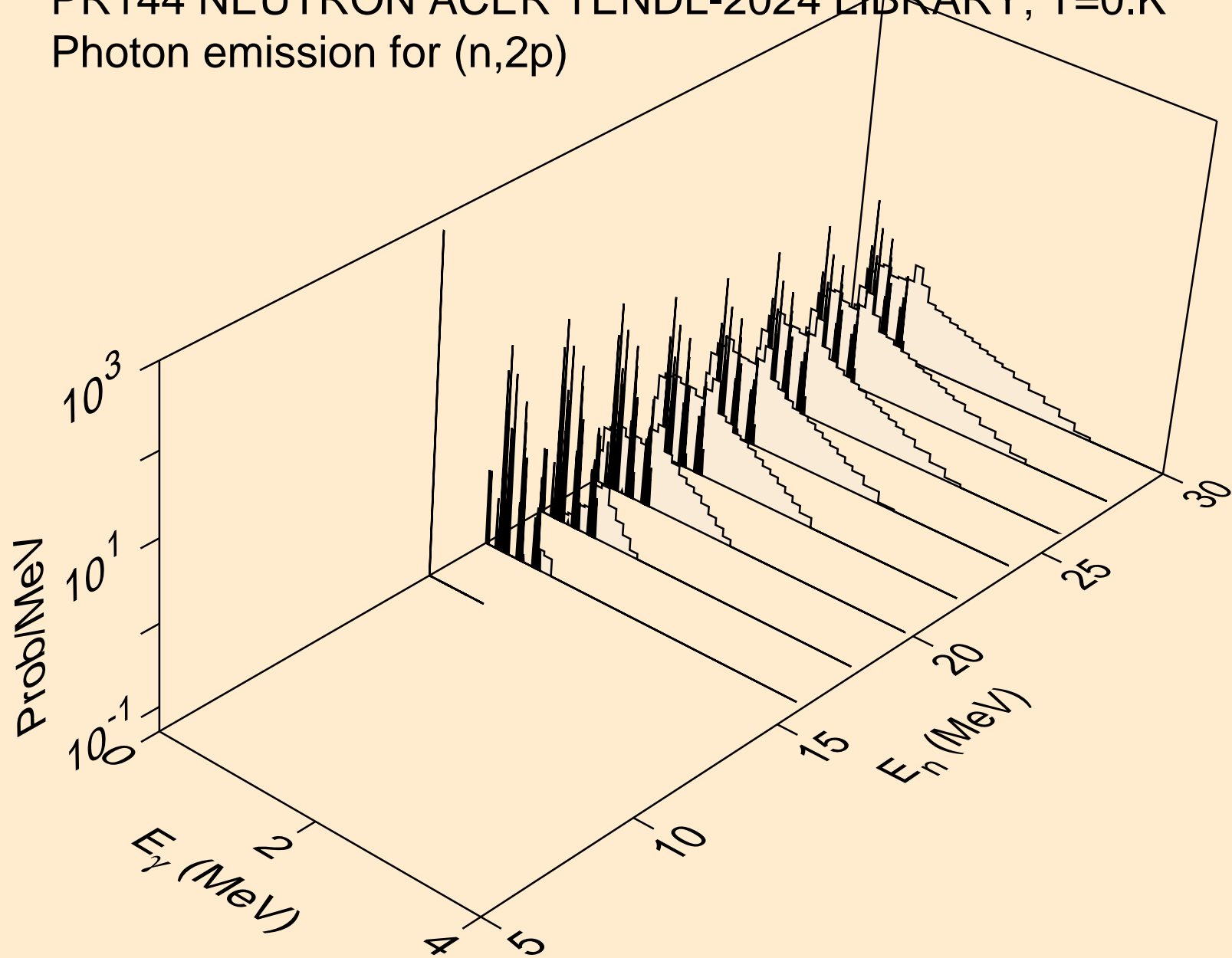




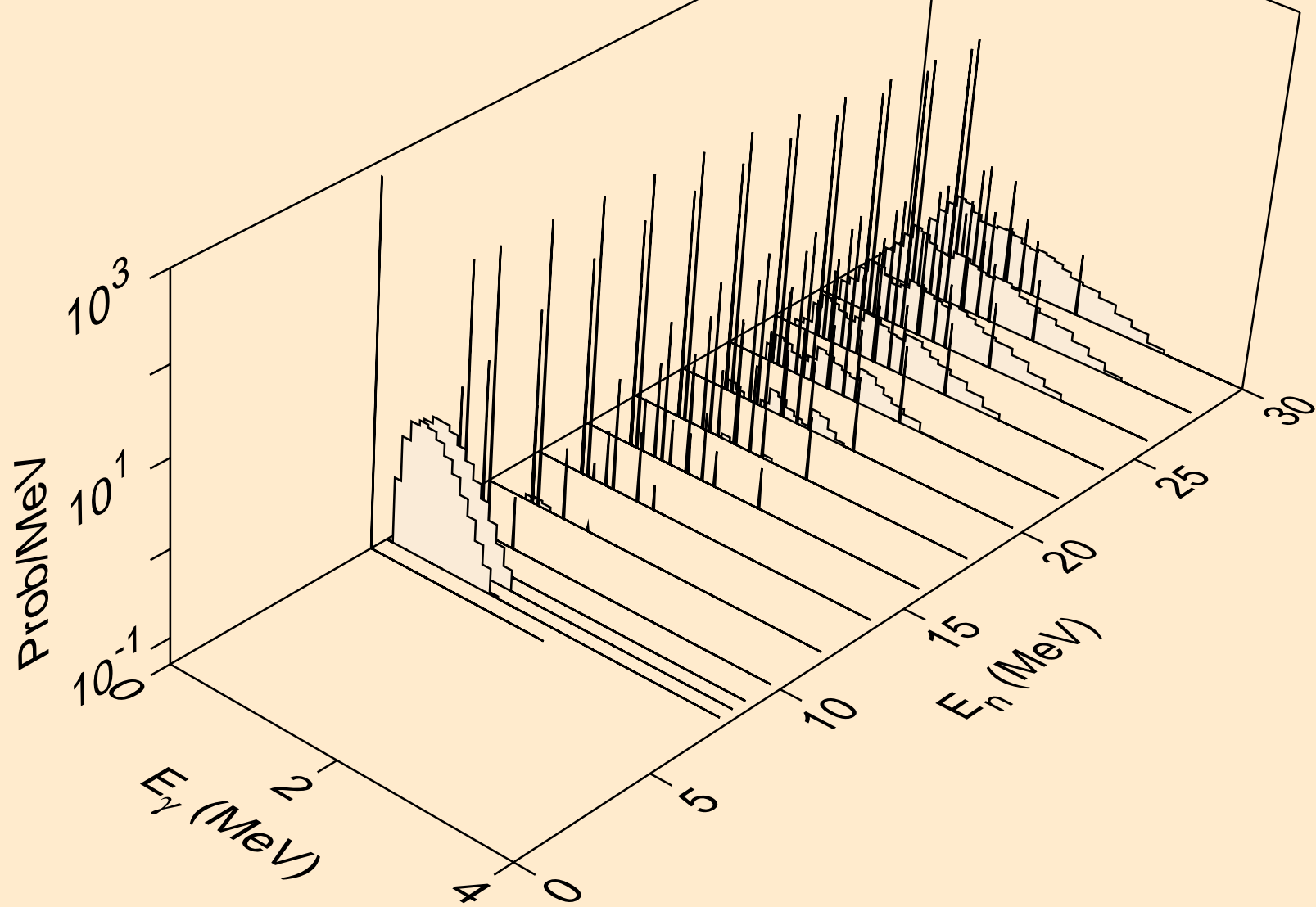
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)



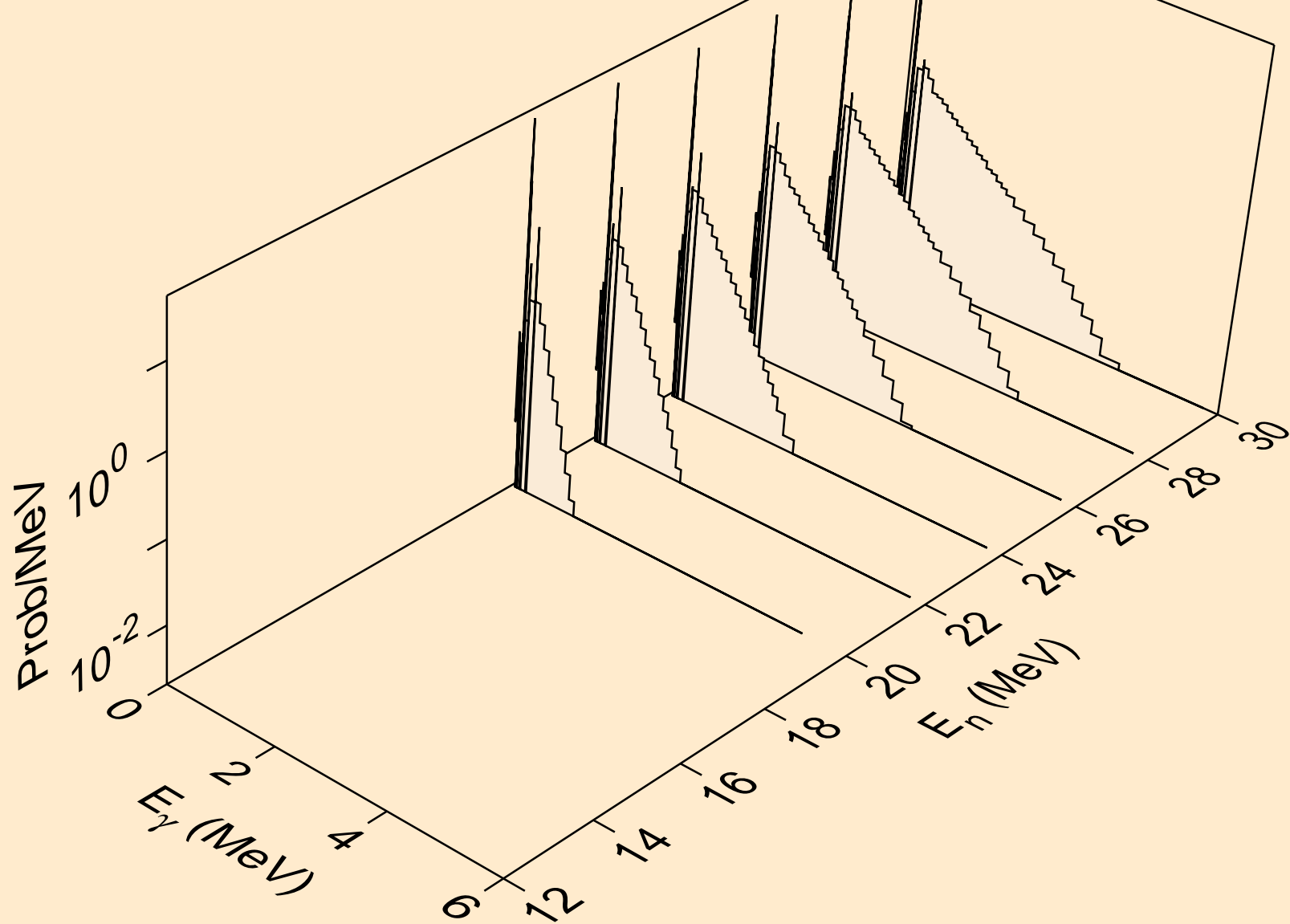
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



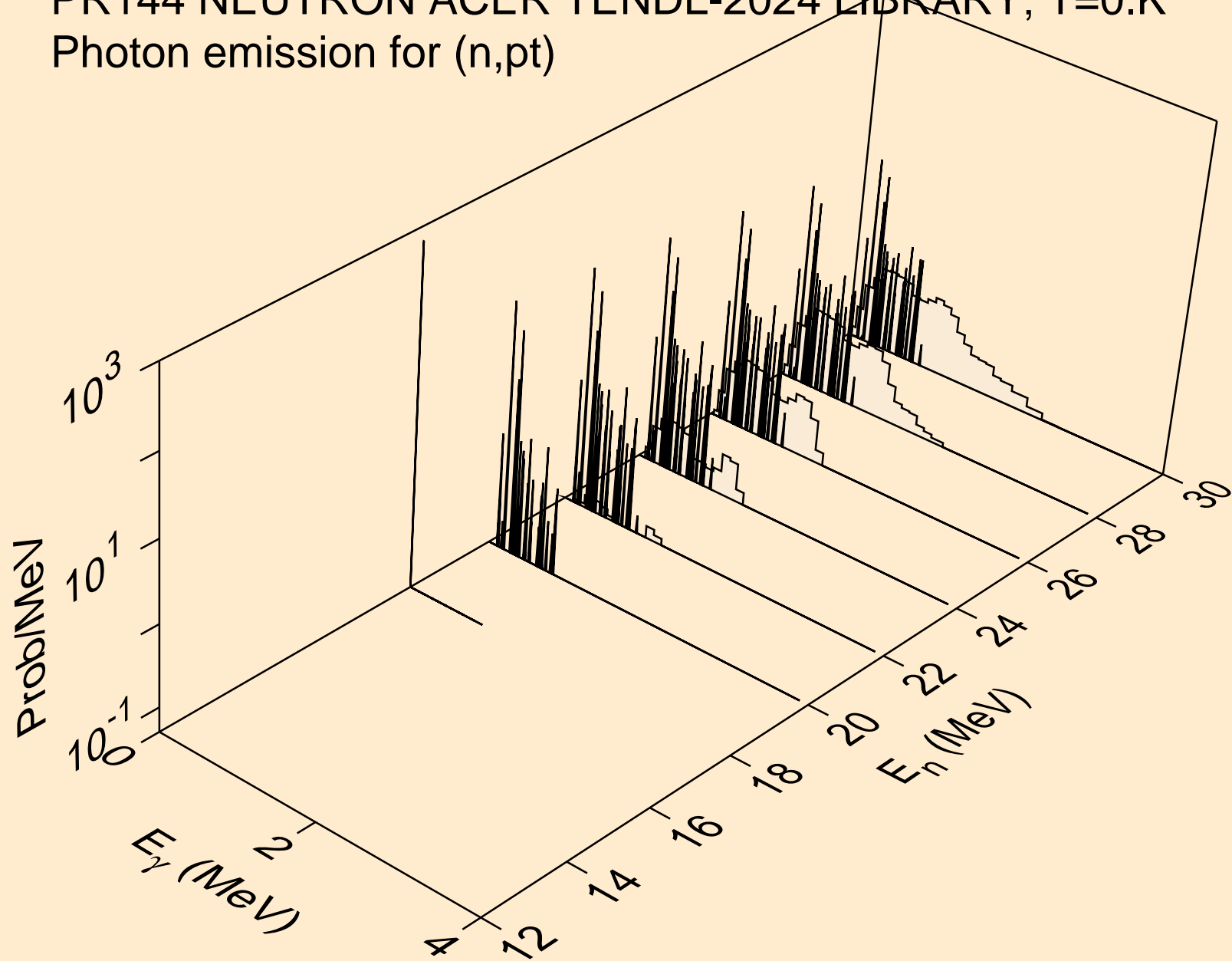
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



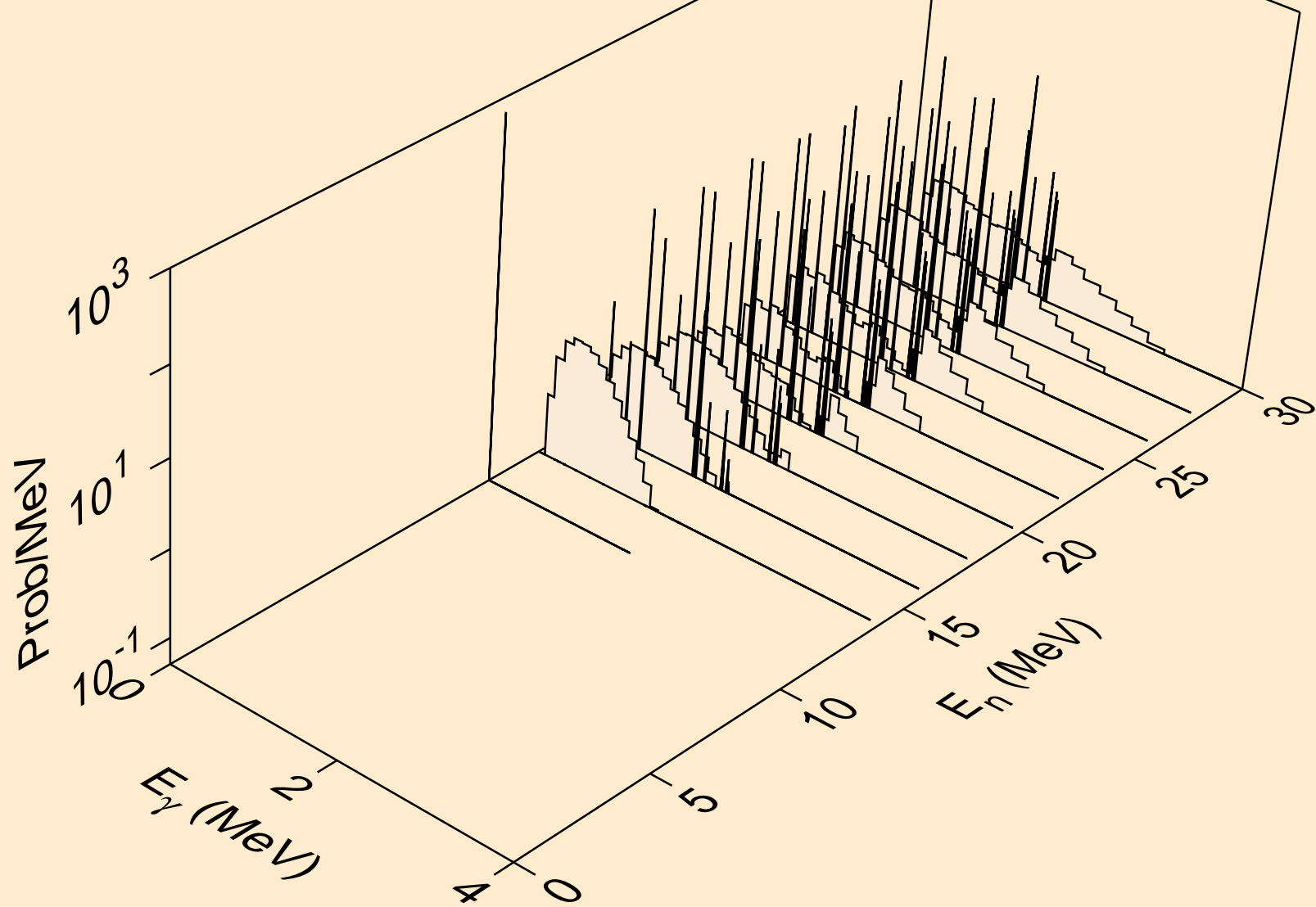
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



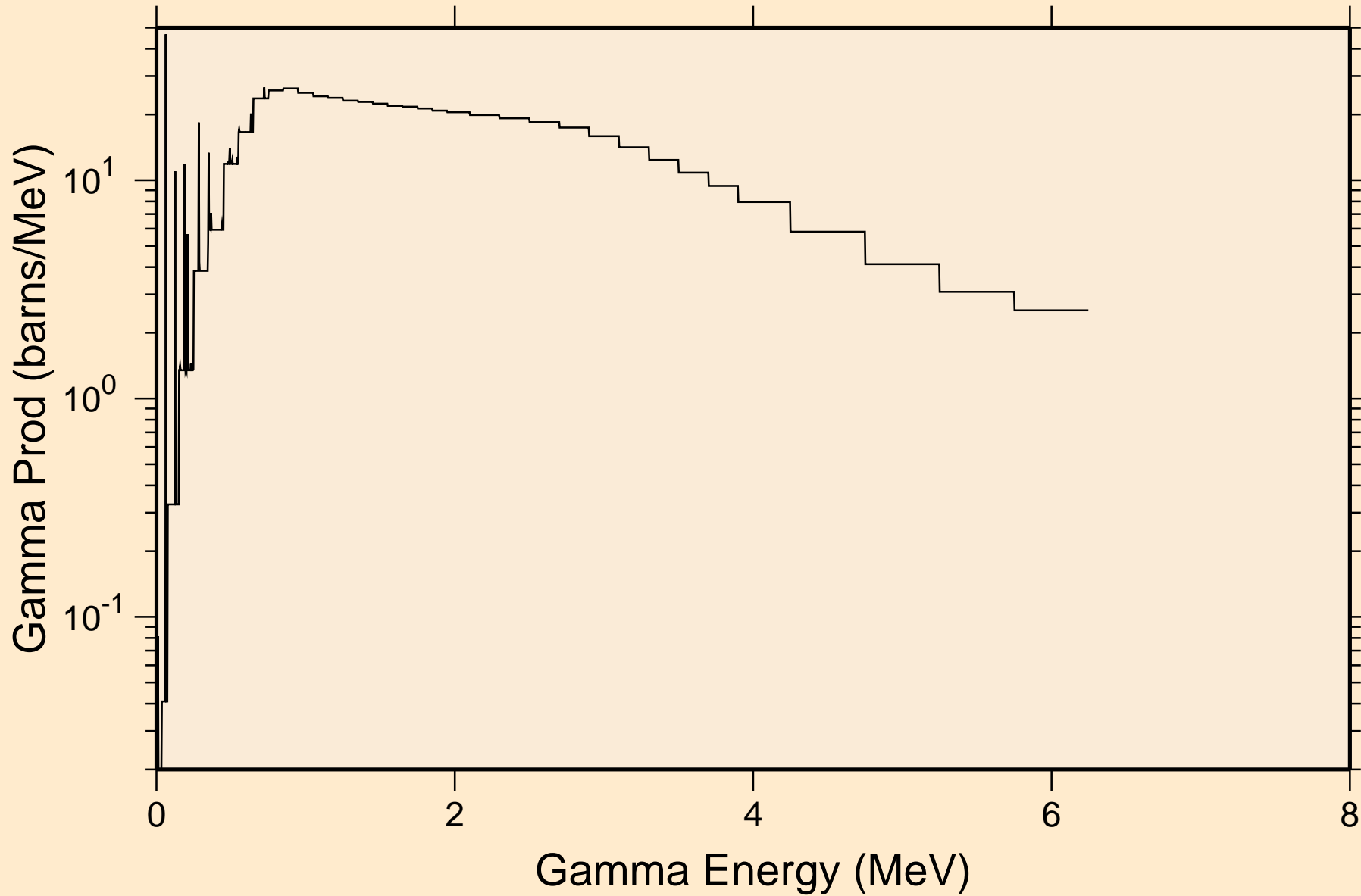
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)



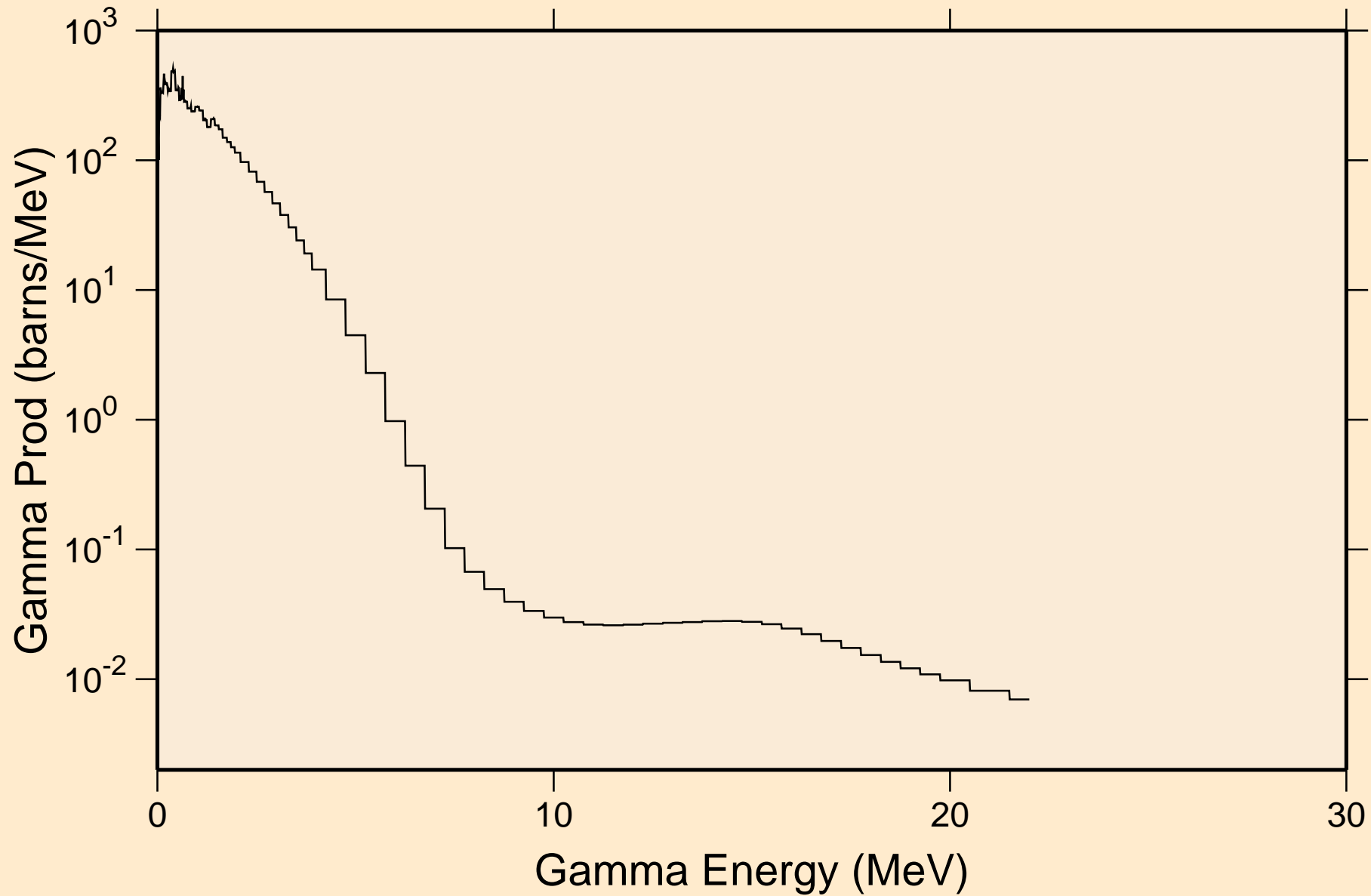
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

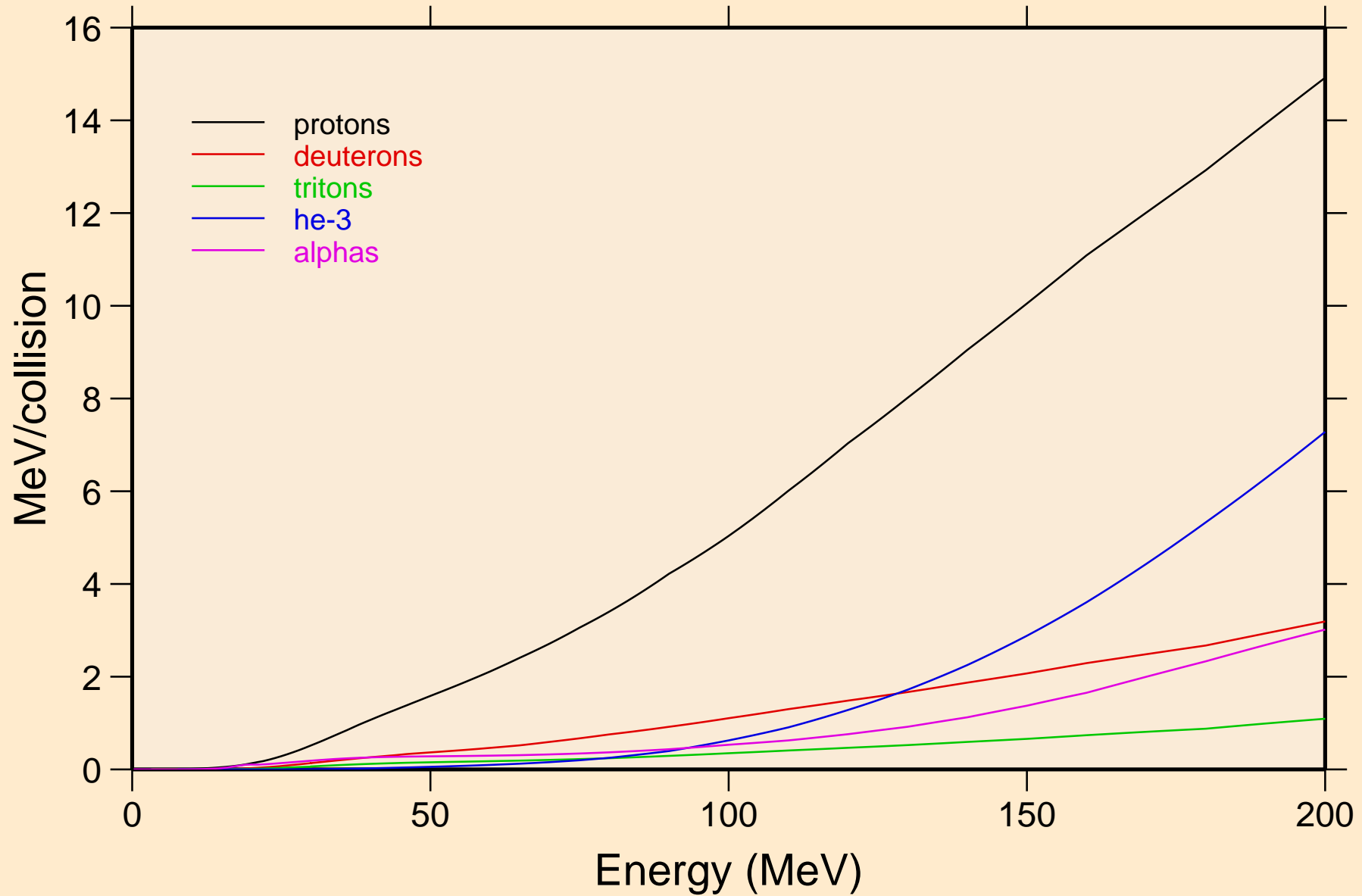


PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum

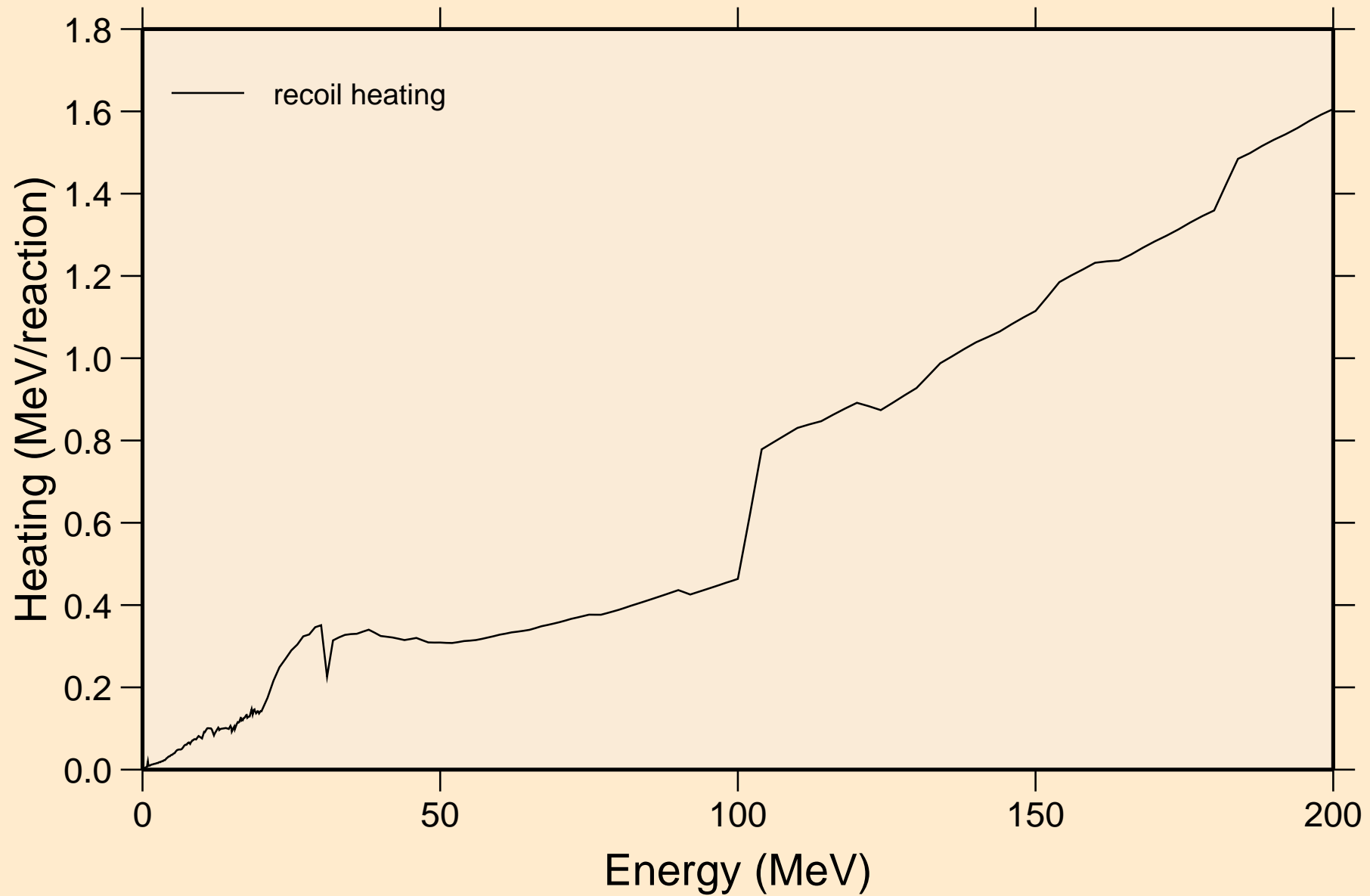




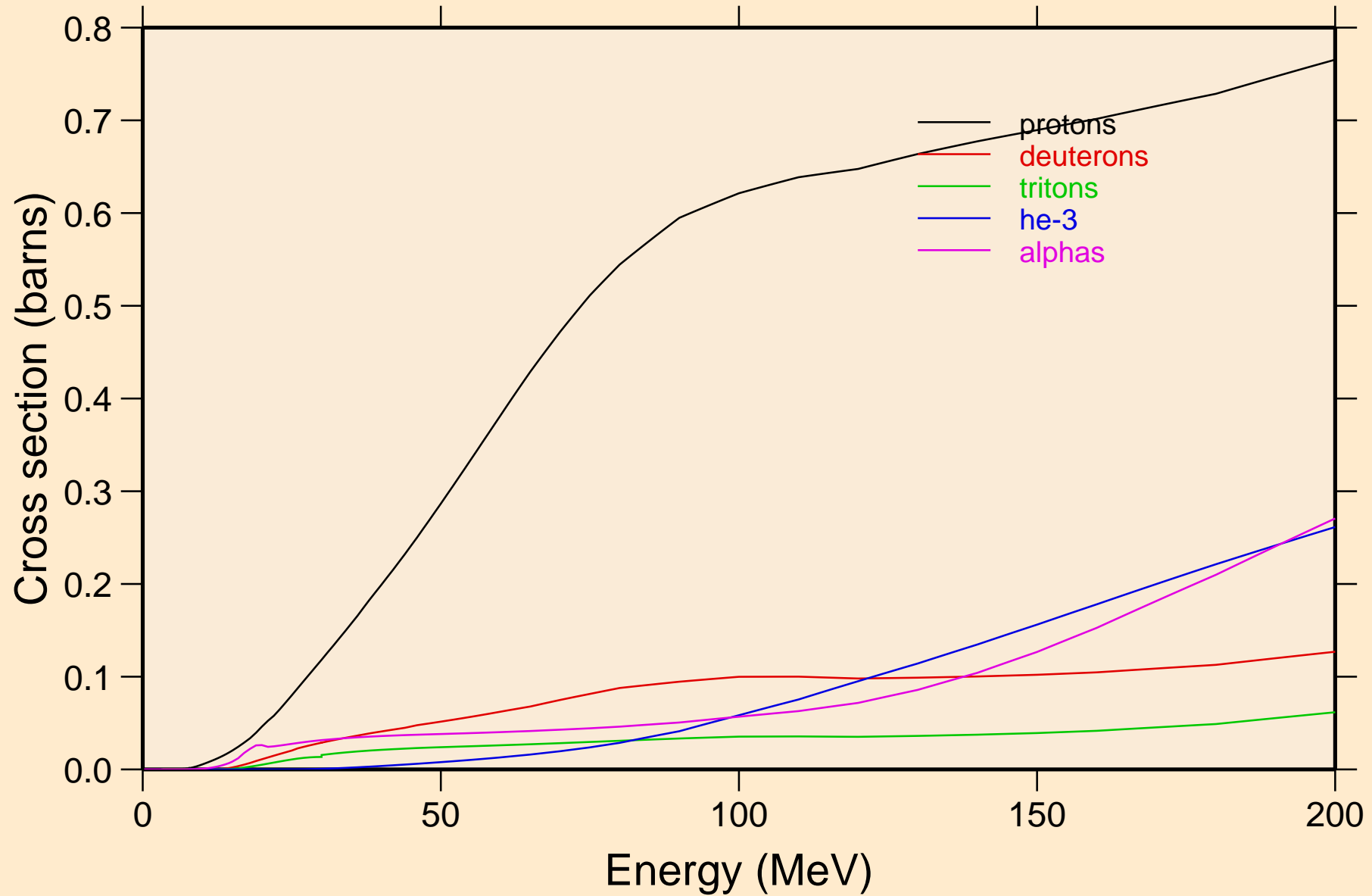
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Particle heating contributions



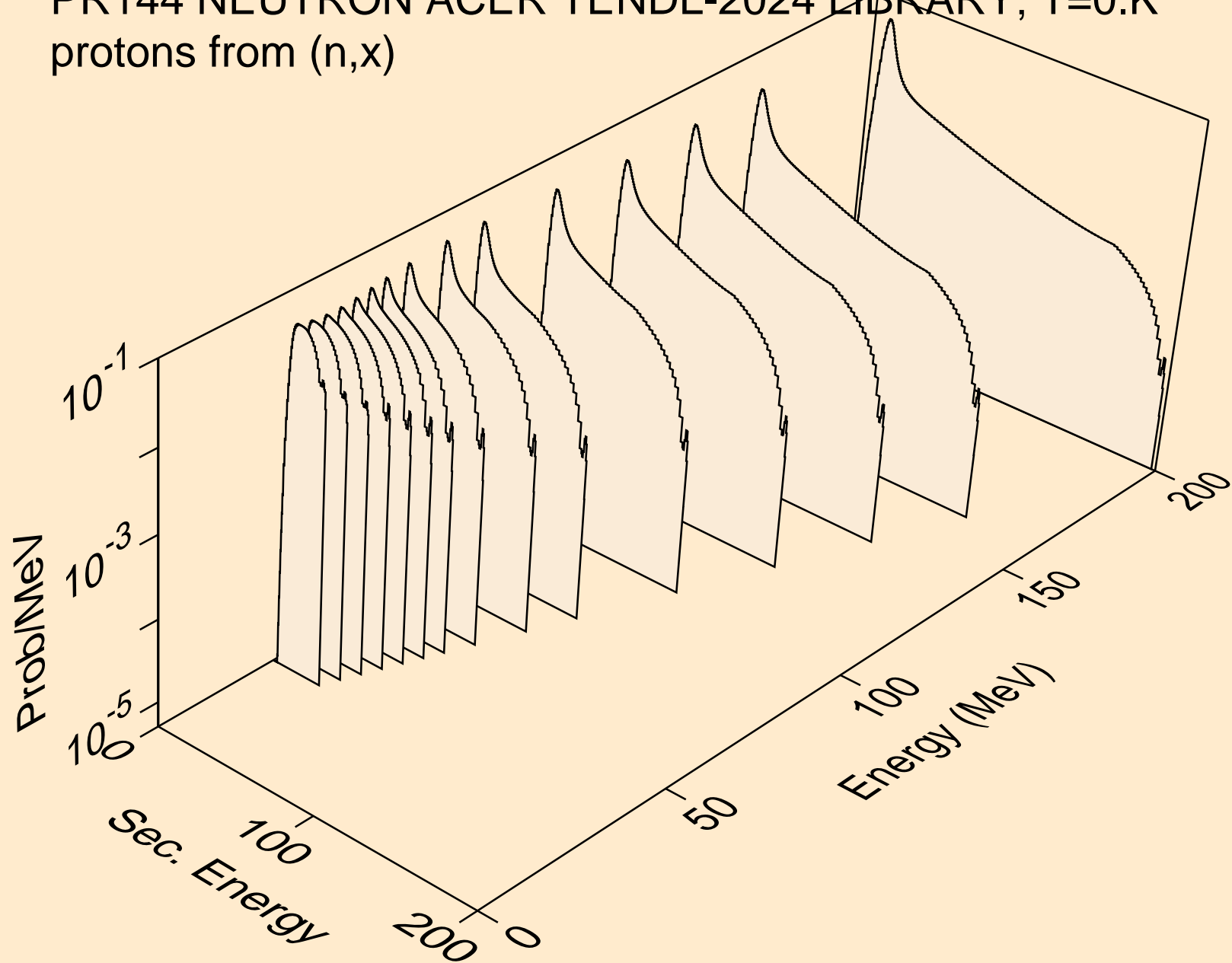
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating



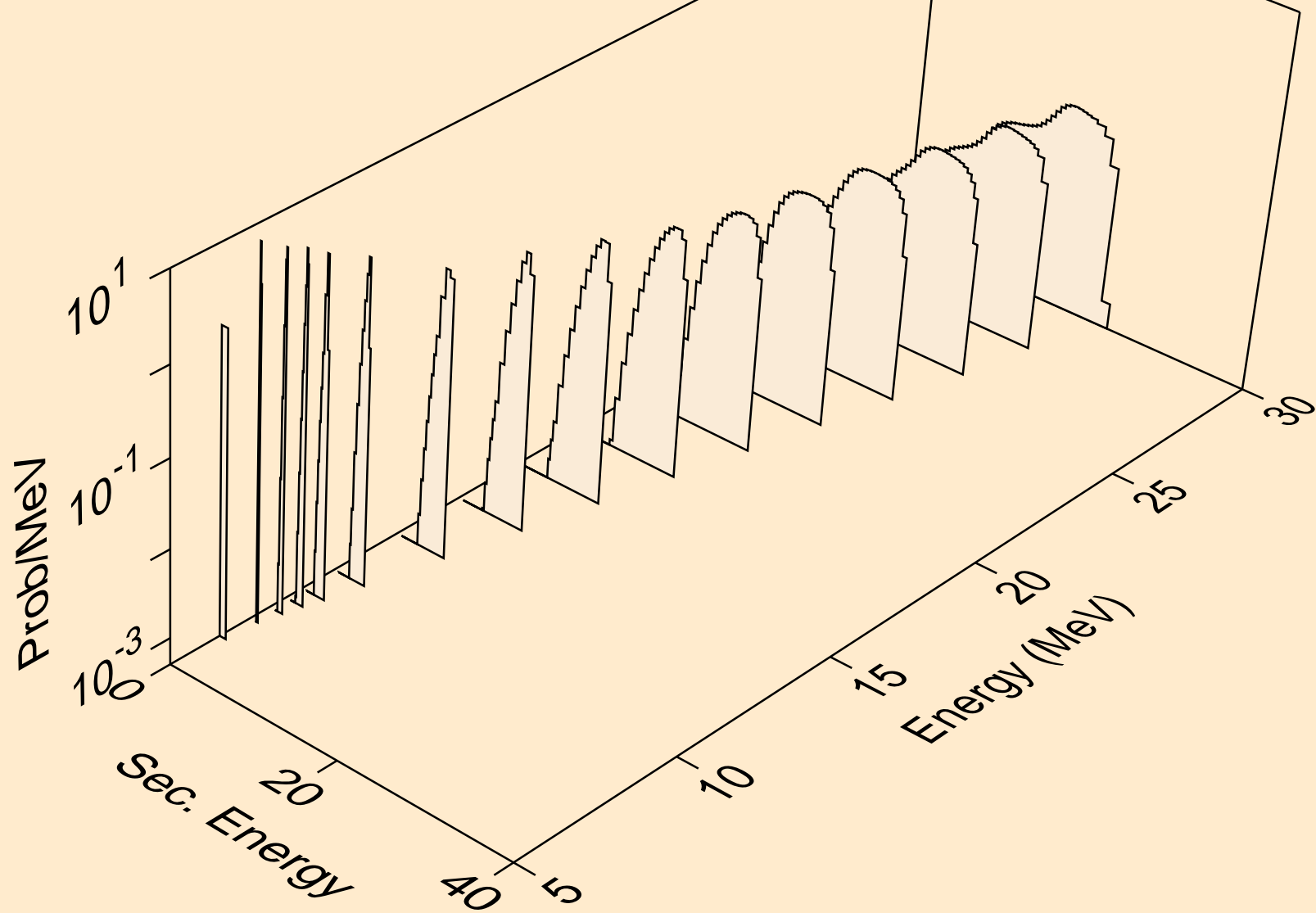
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Particle production cross sections



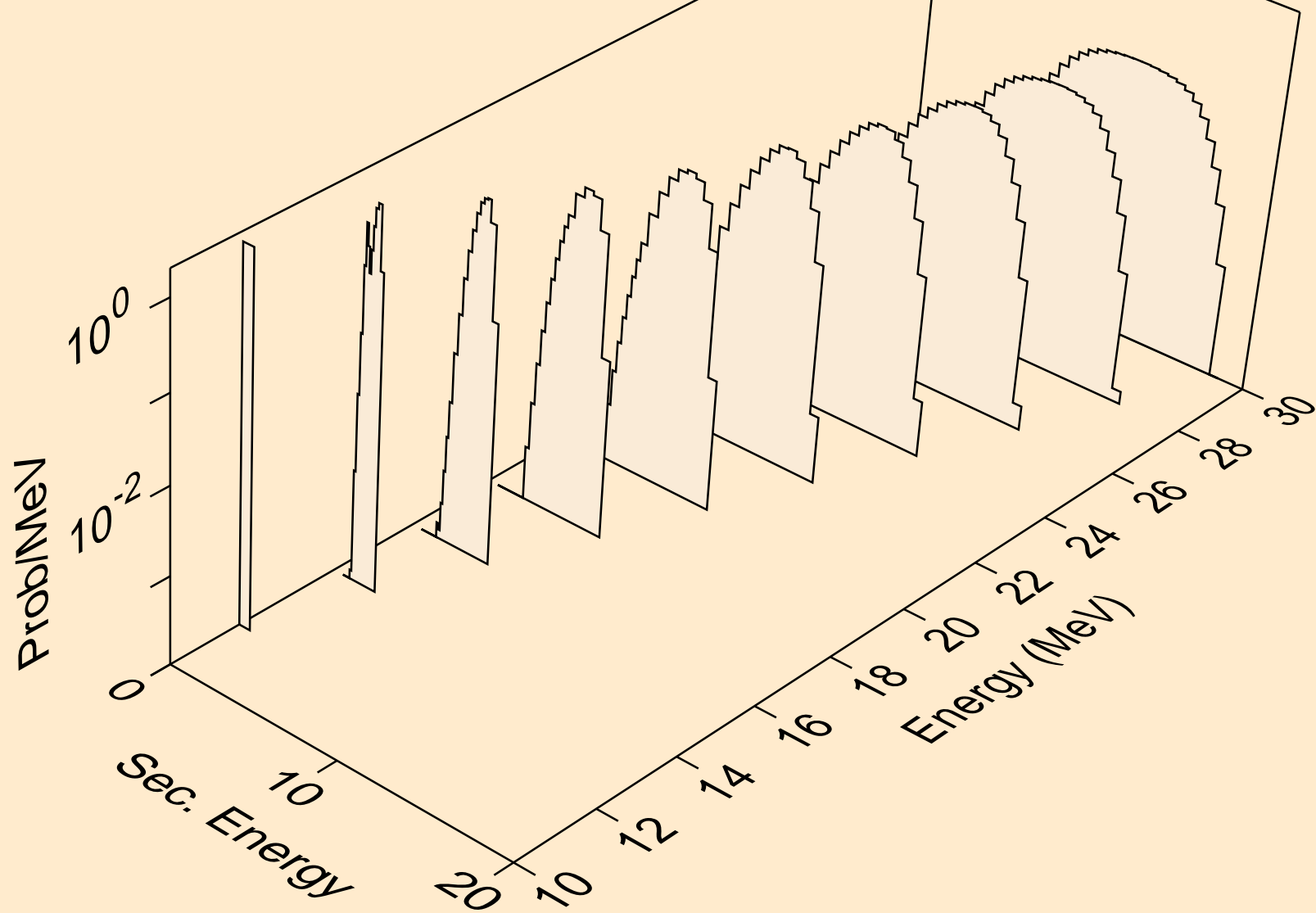
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



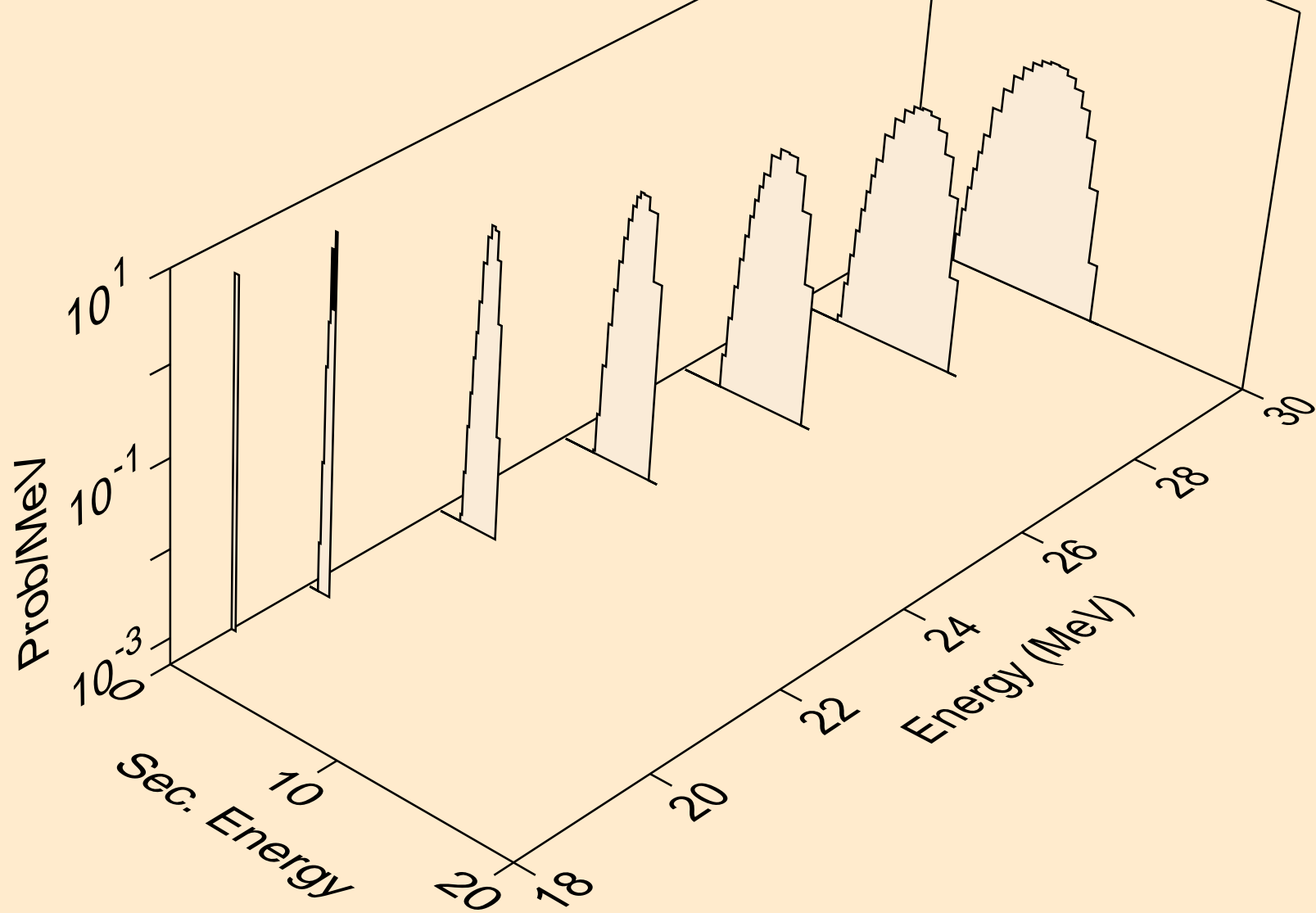
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



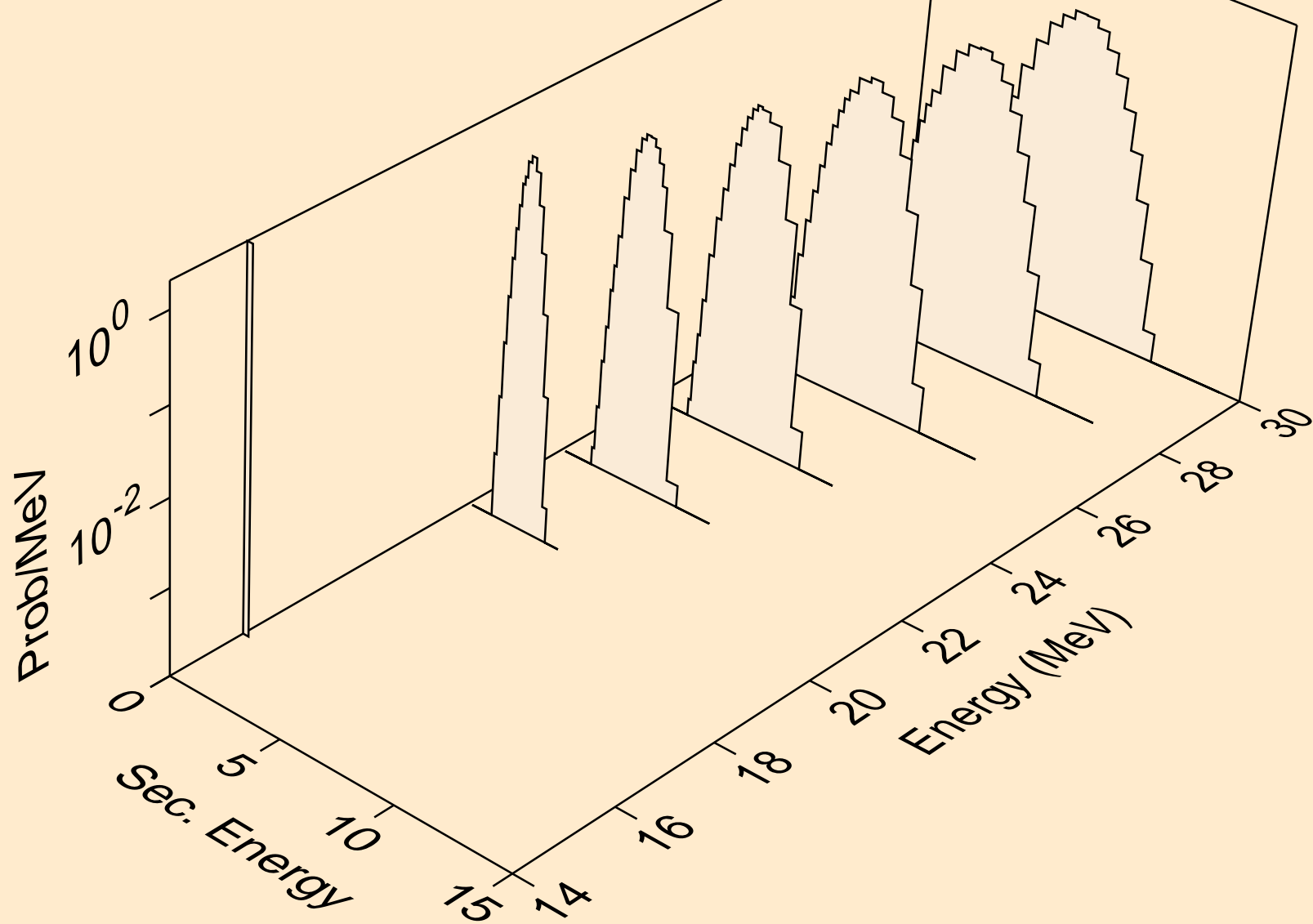
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)



PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)

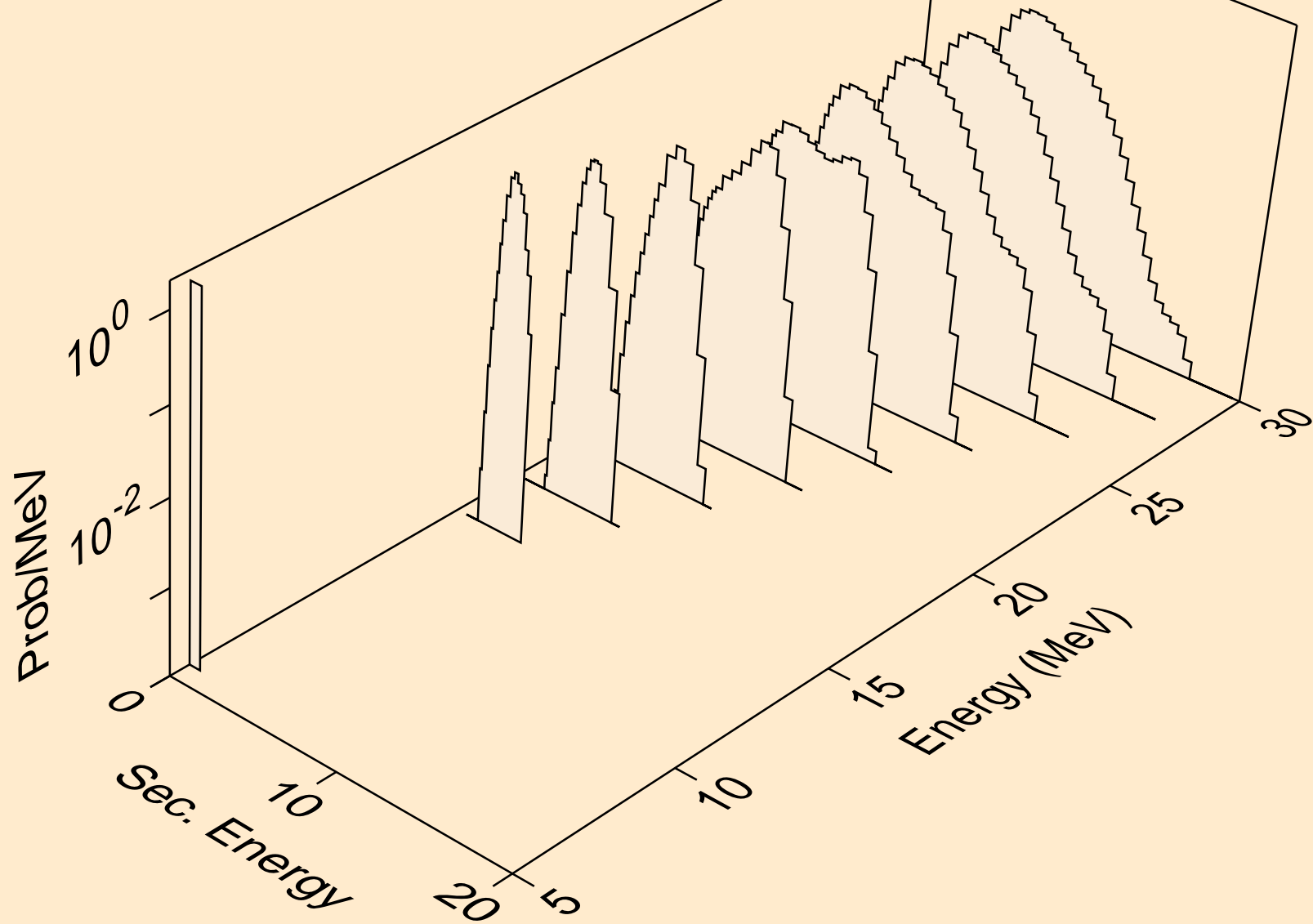


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protons from (n,n2p)

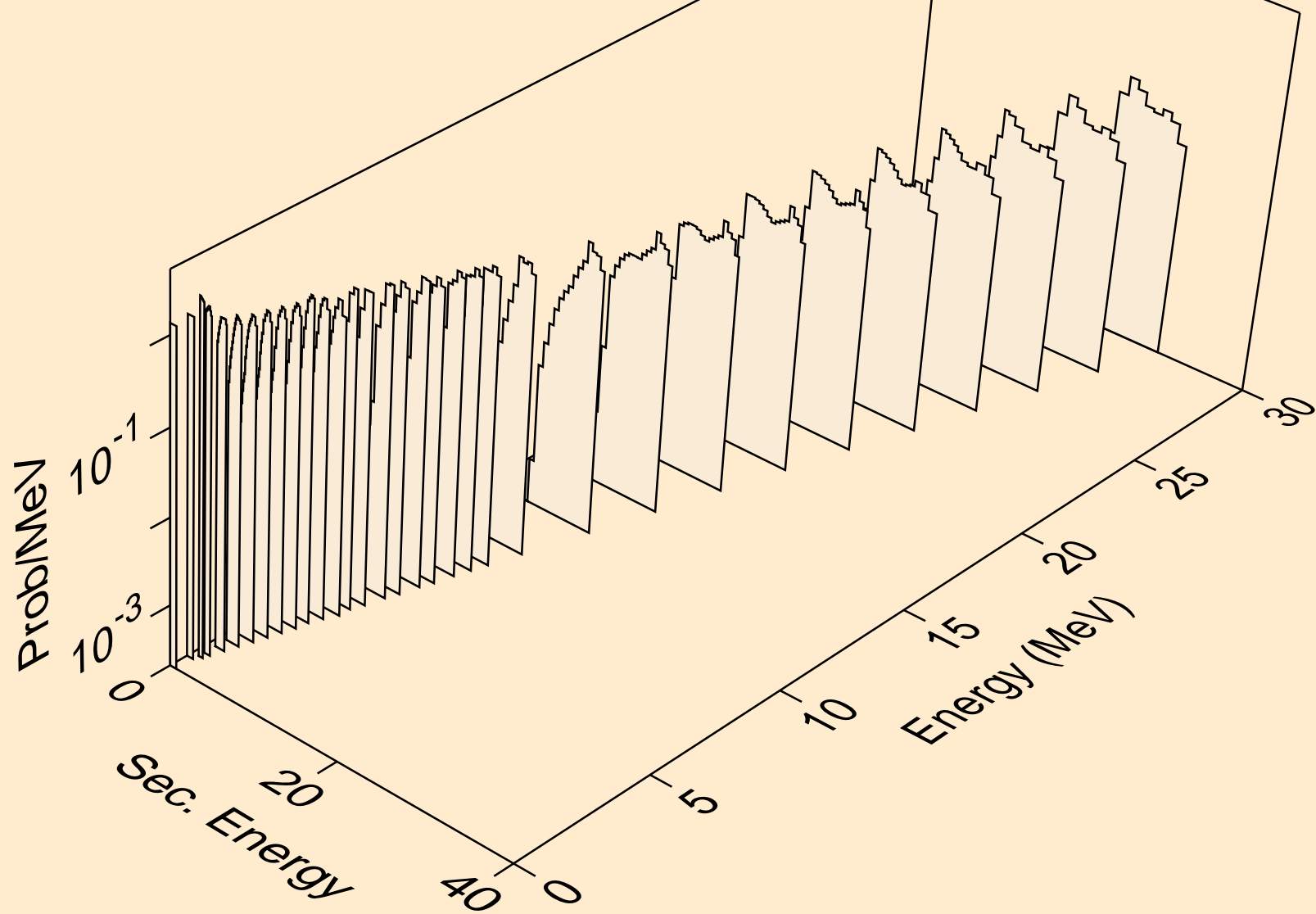




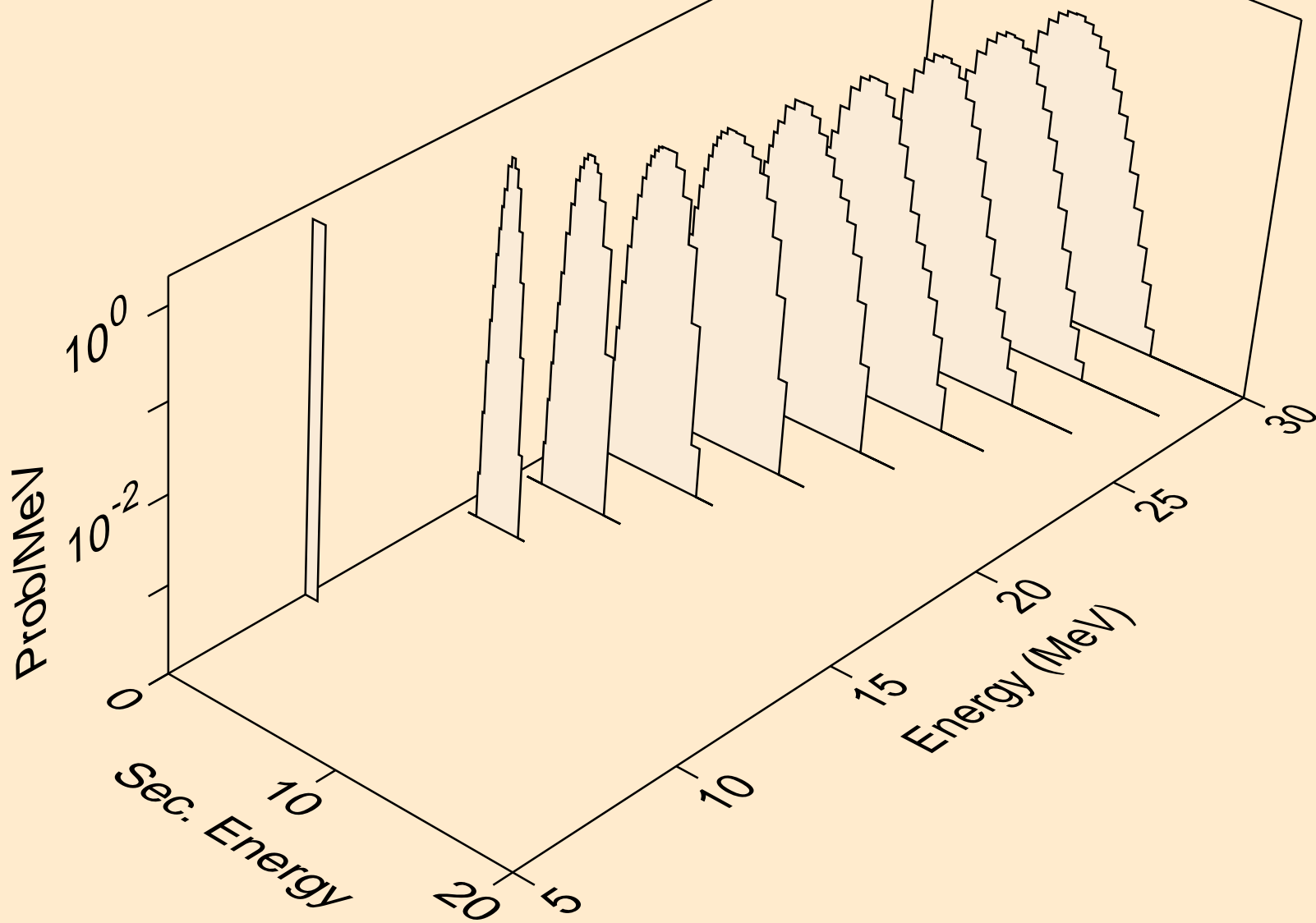
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protons from (n,npa)



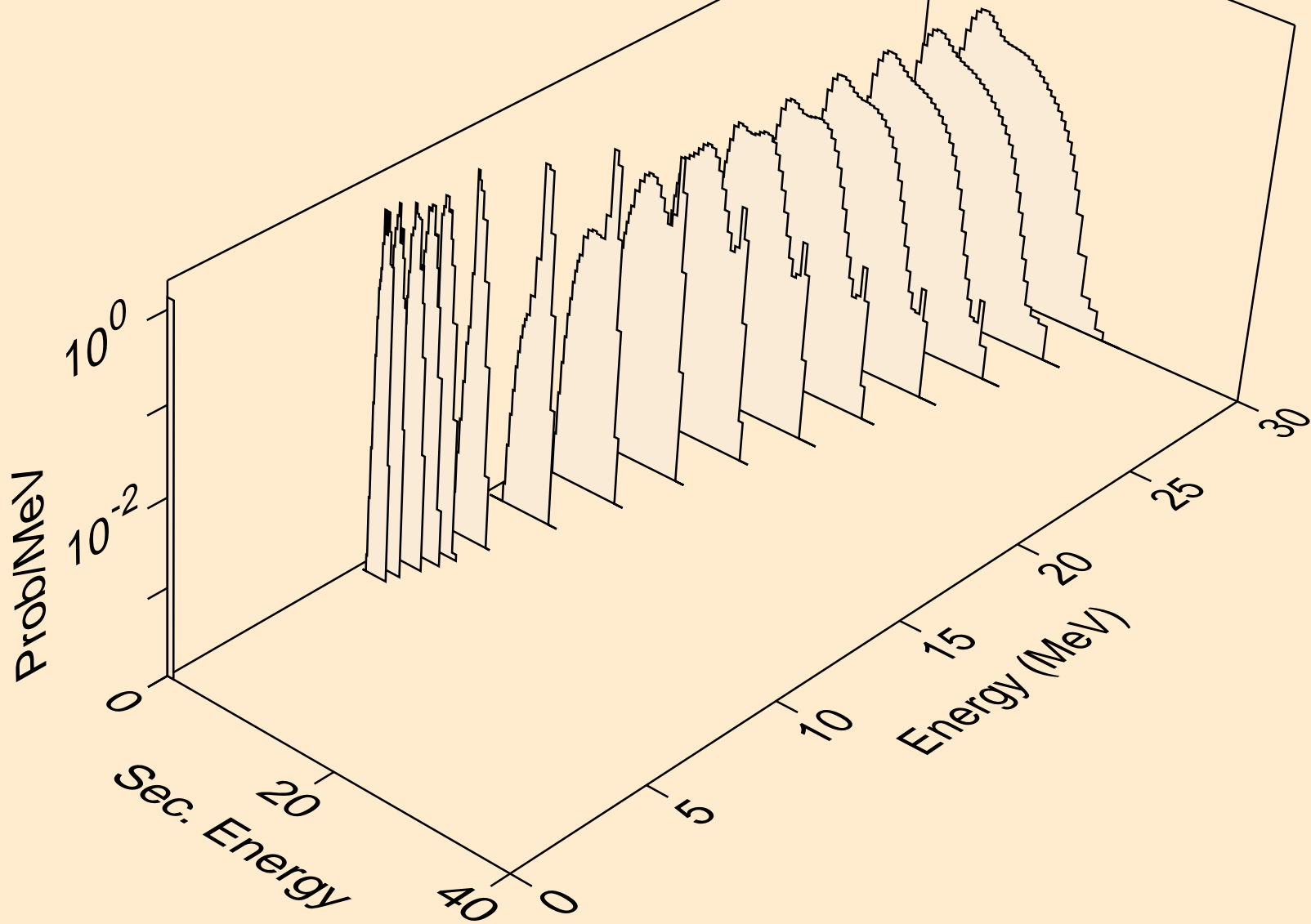
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protons from (n,p)



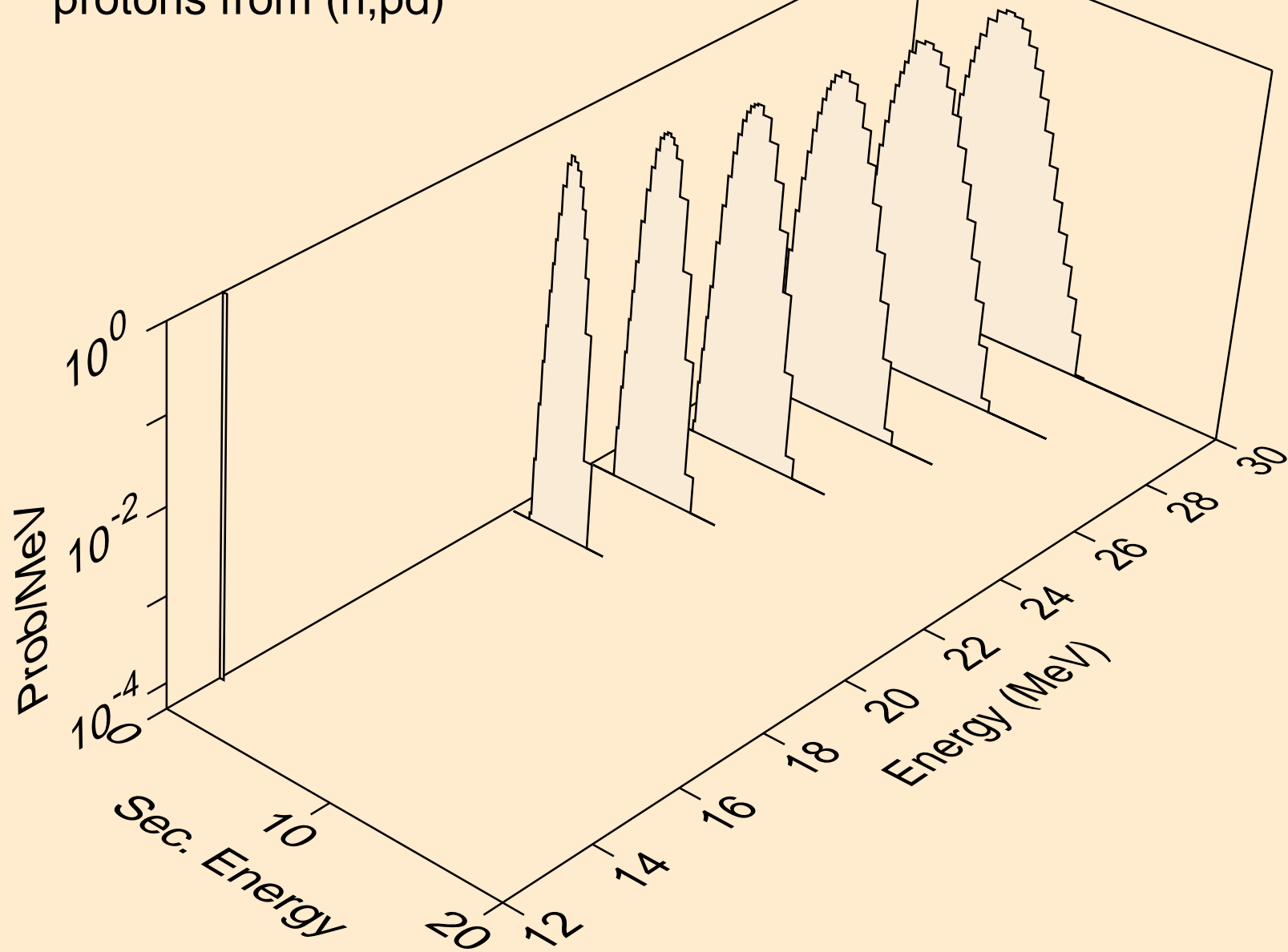
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protons from (n,2p)



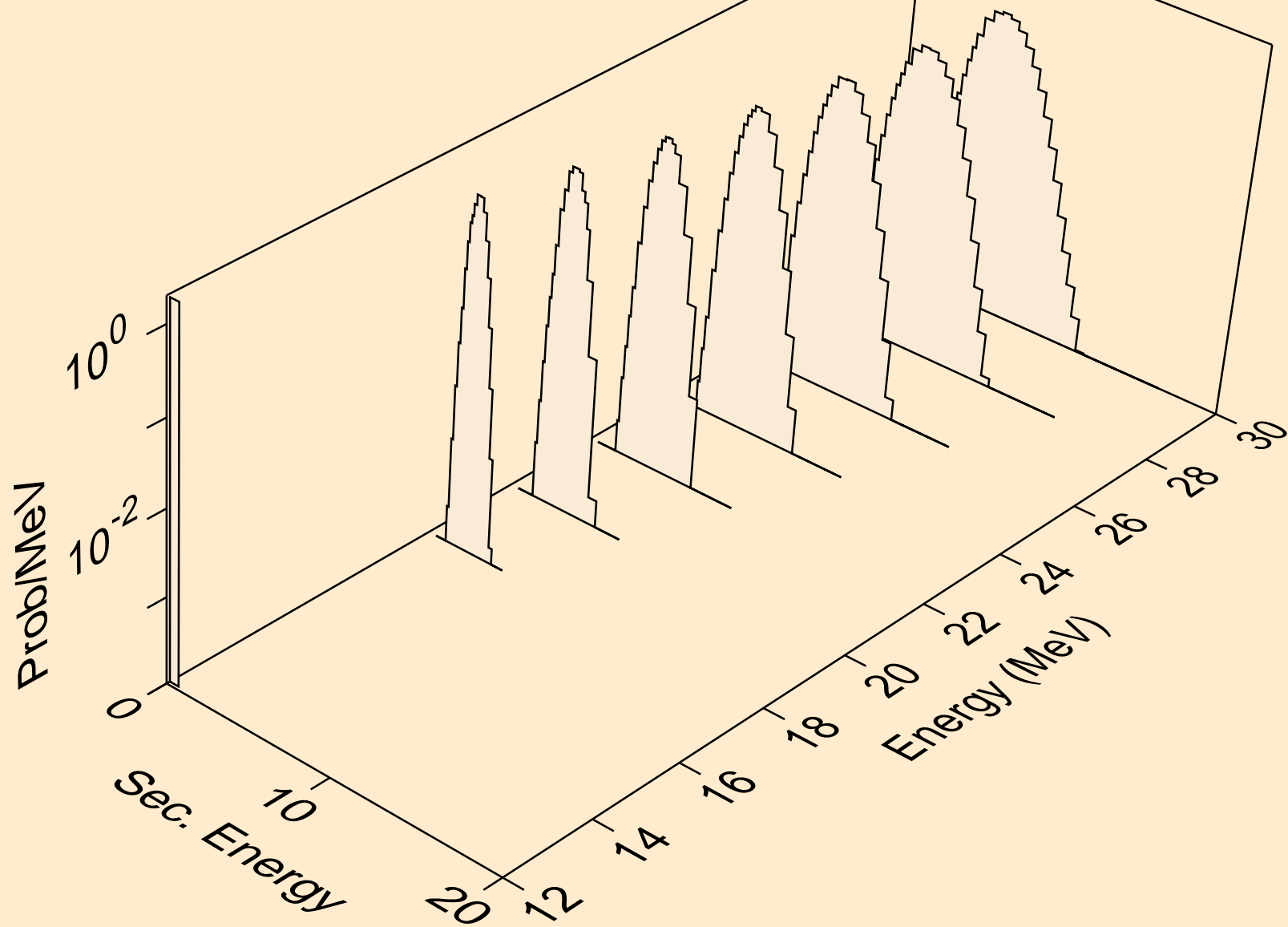
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protons from (n,p)



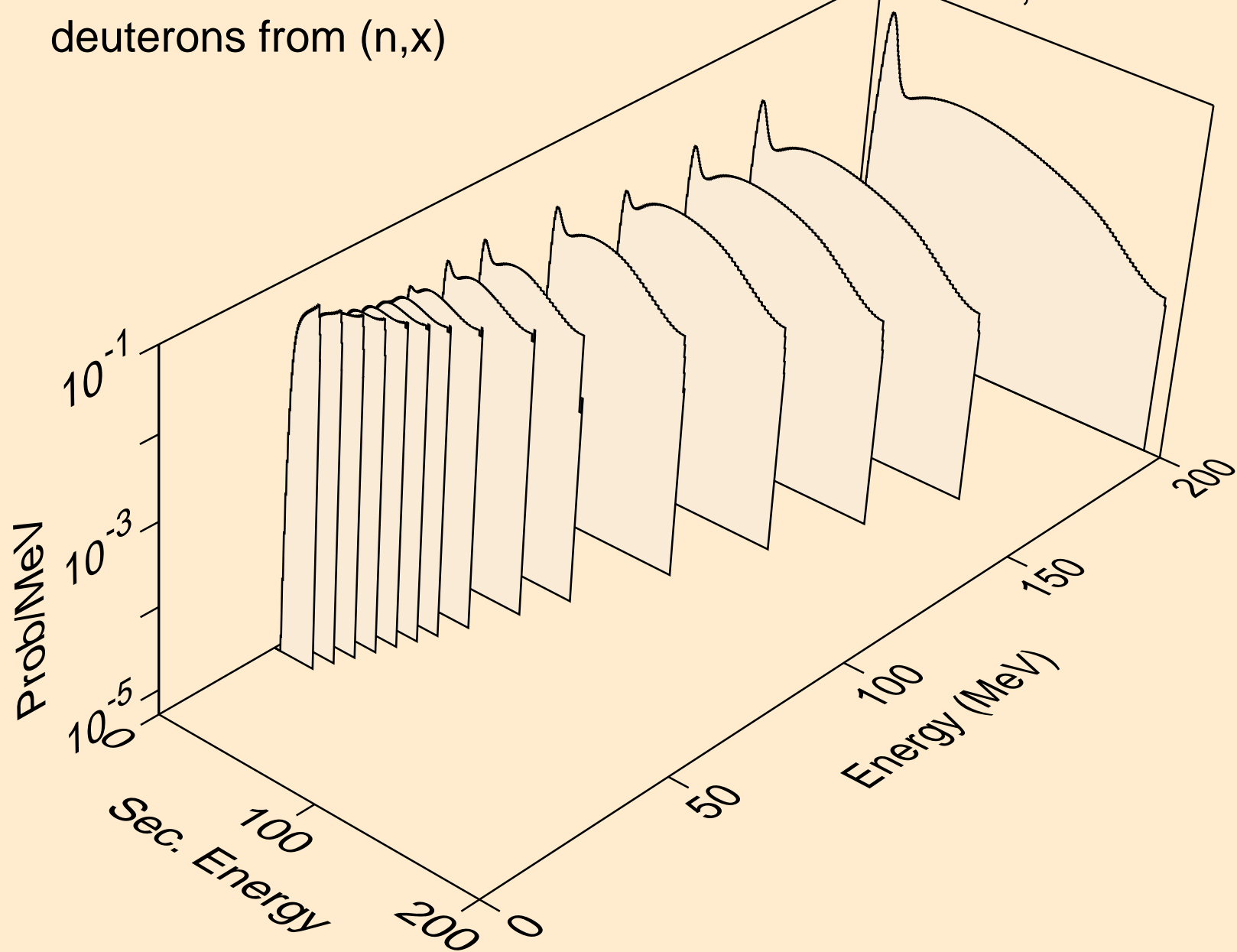
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pd)



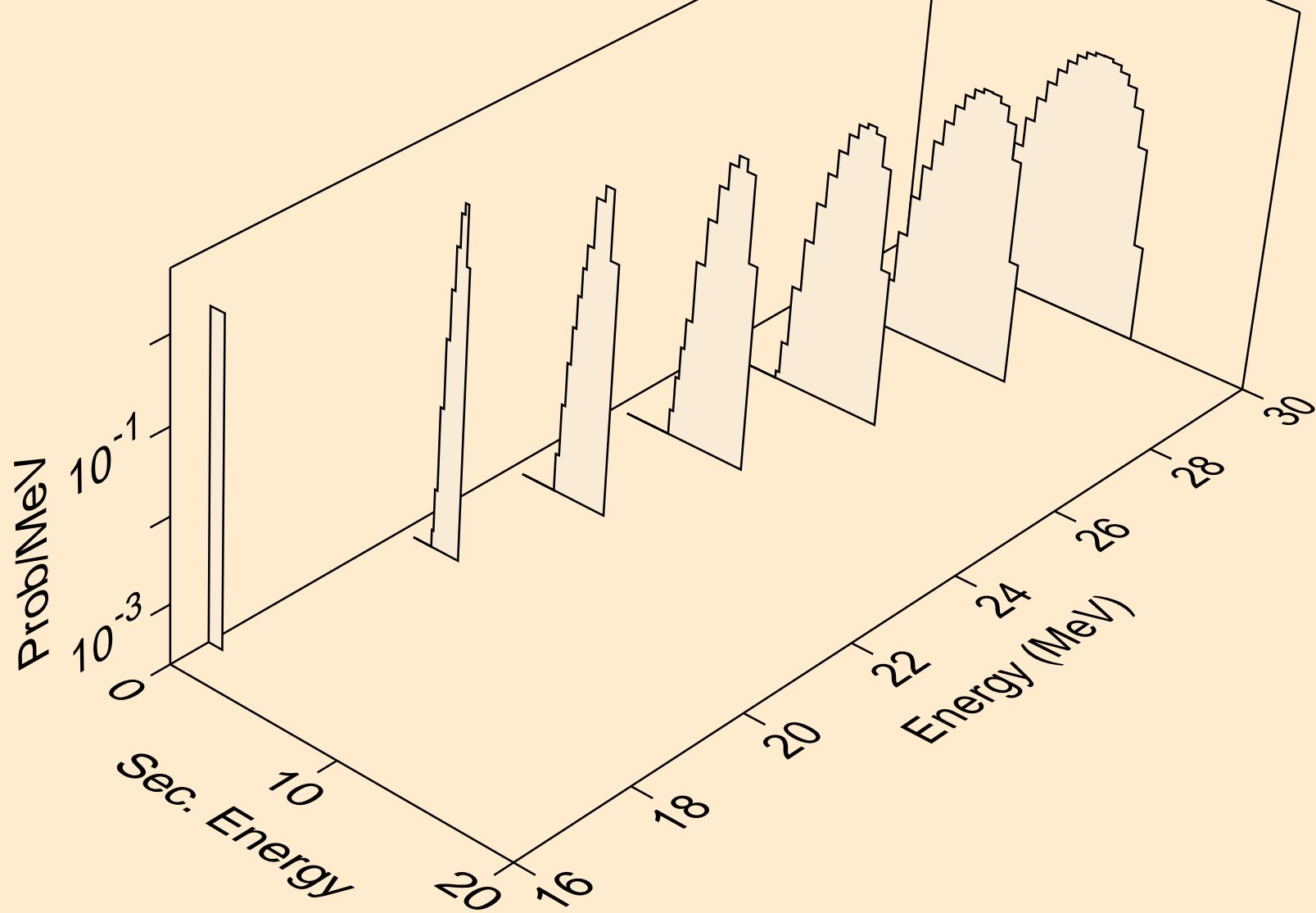
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pt)



PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)

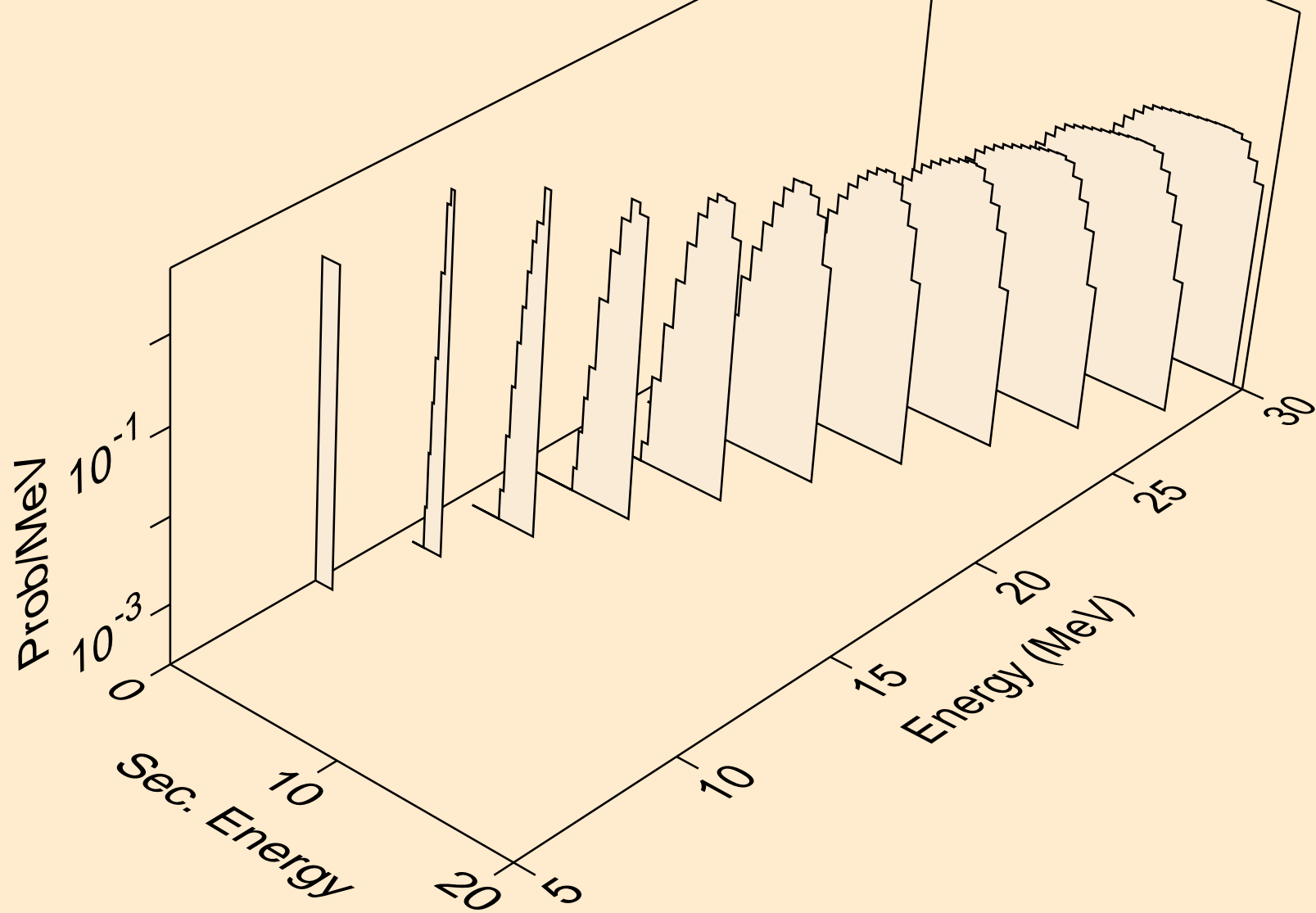


PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,2nd)

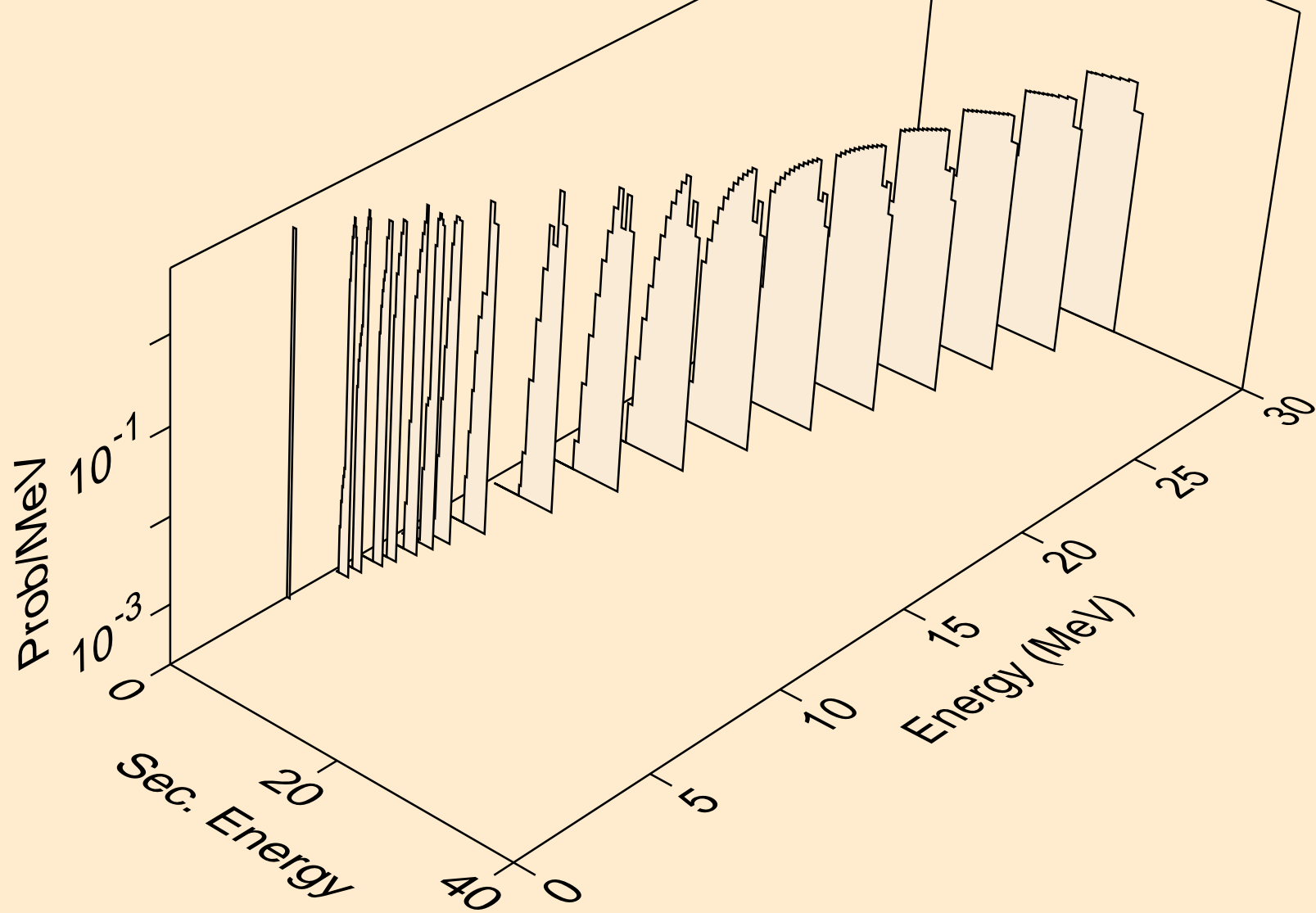




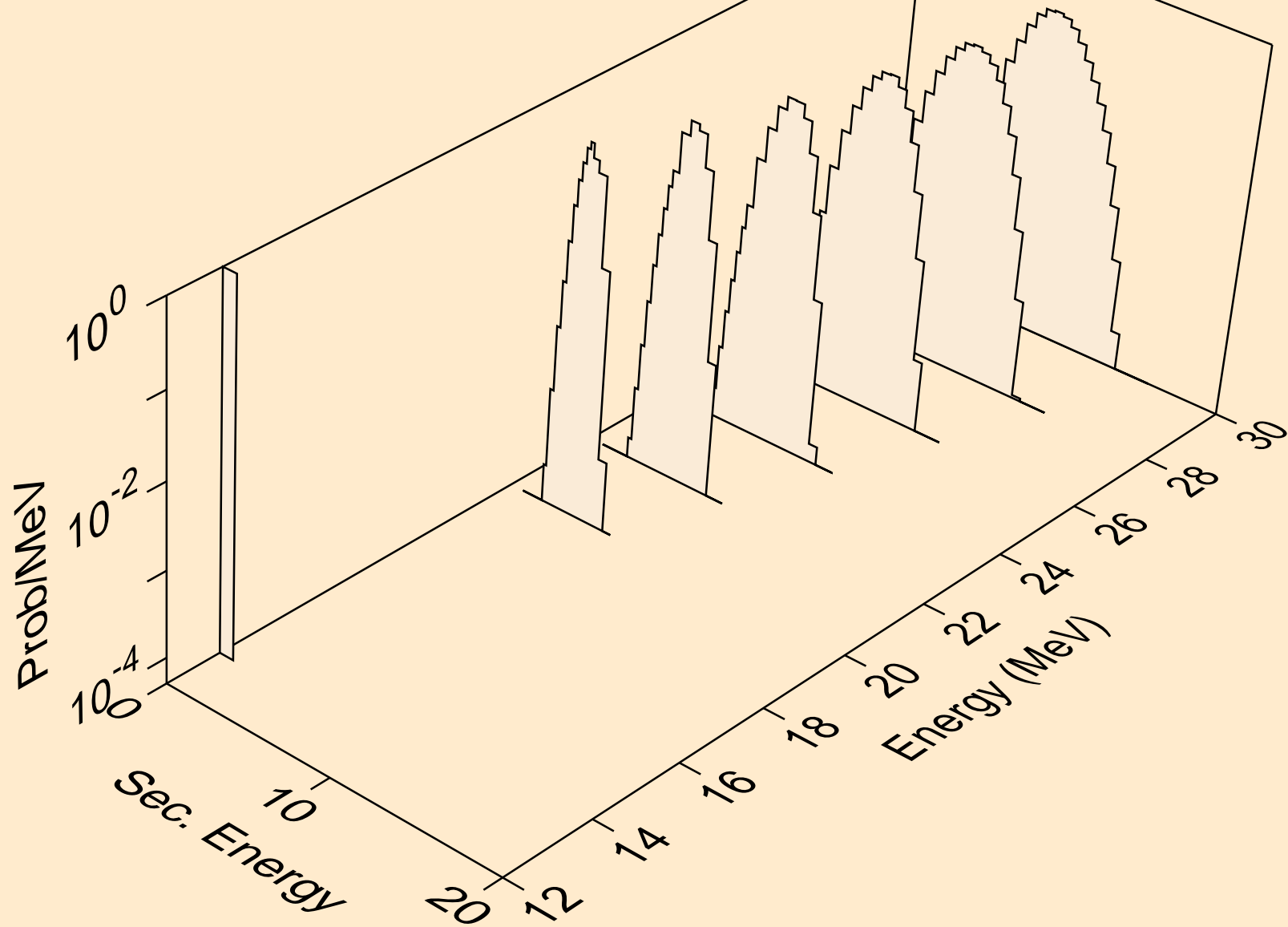
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,n\*)d



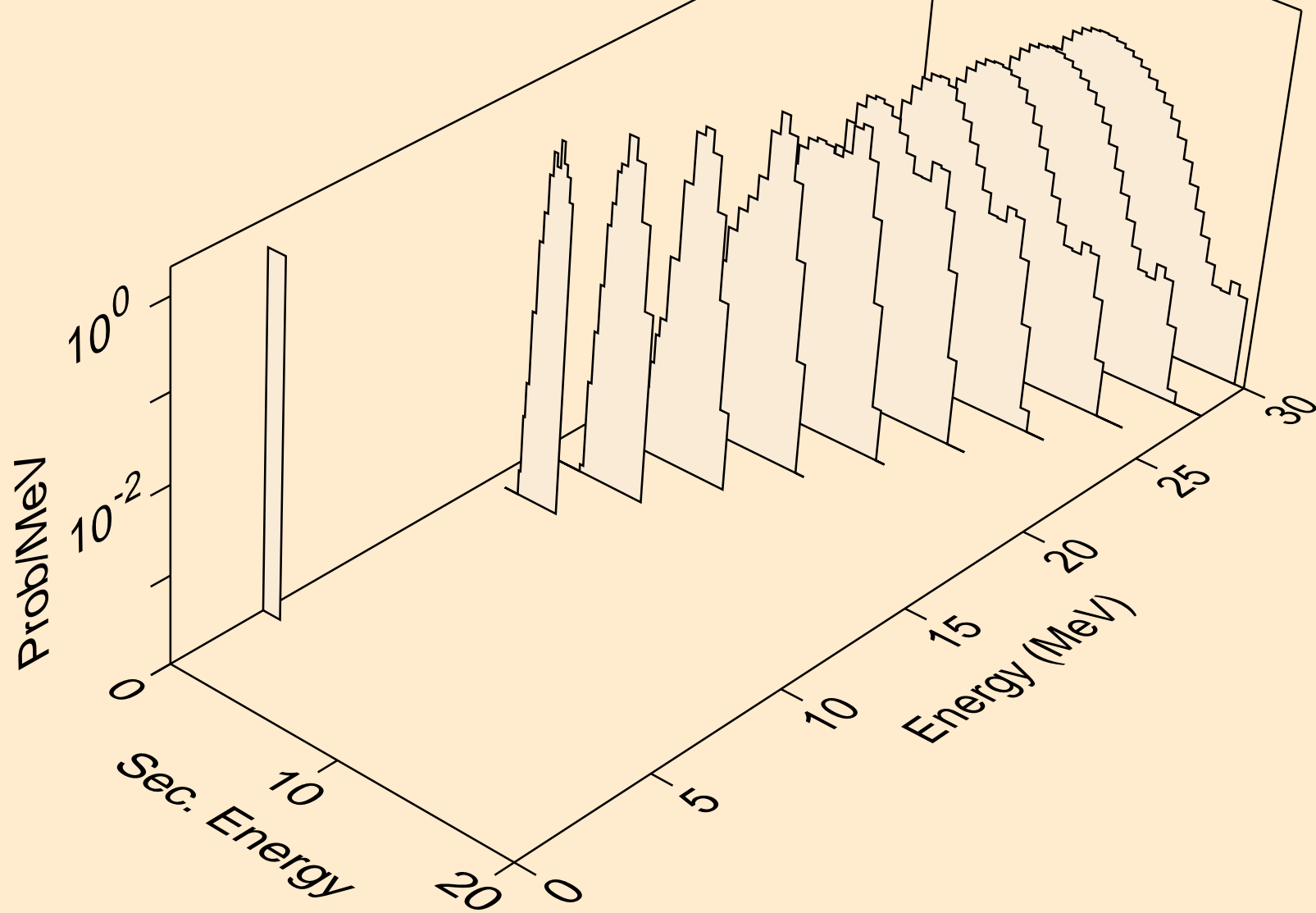
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deuterons from (n,d)



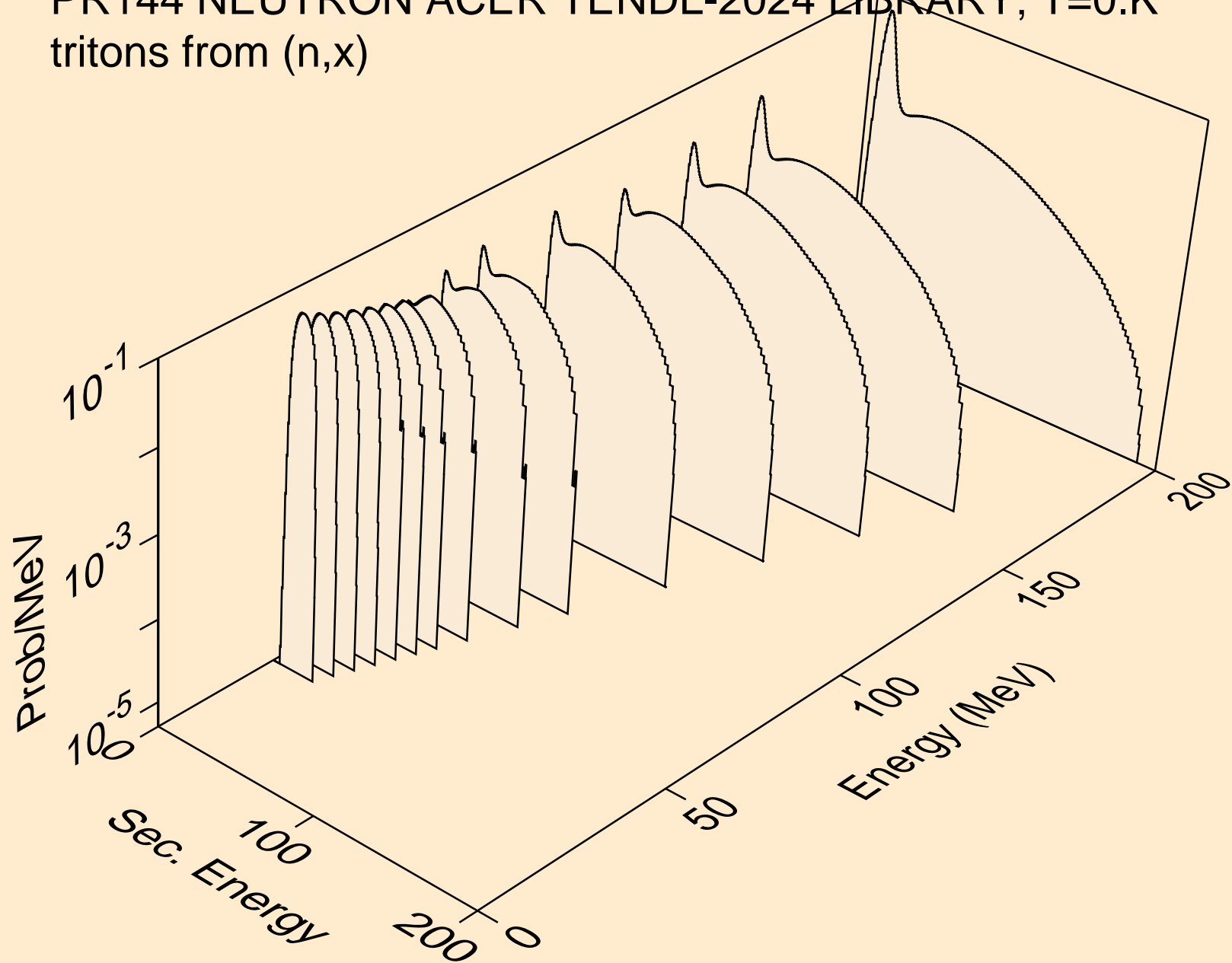
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,pd)



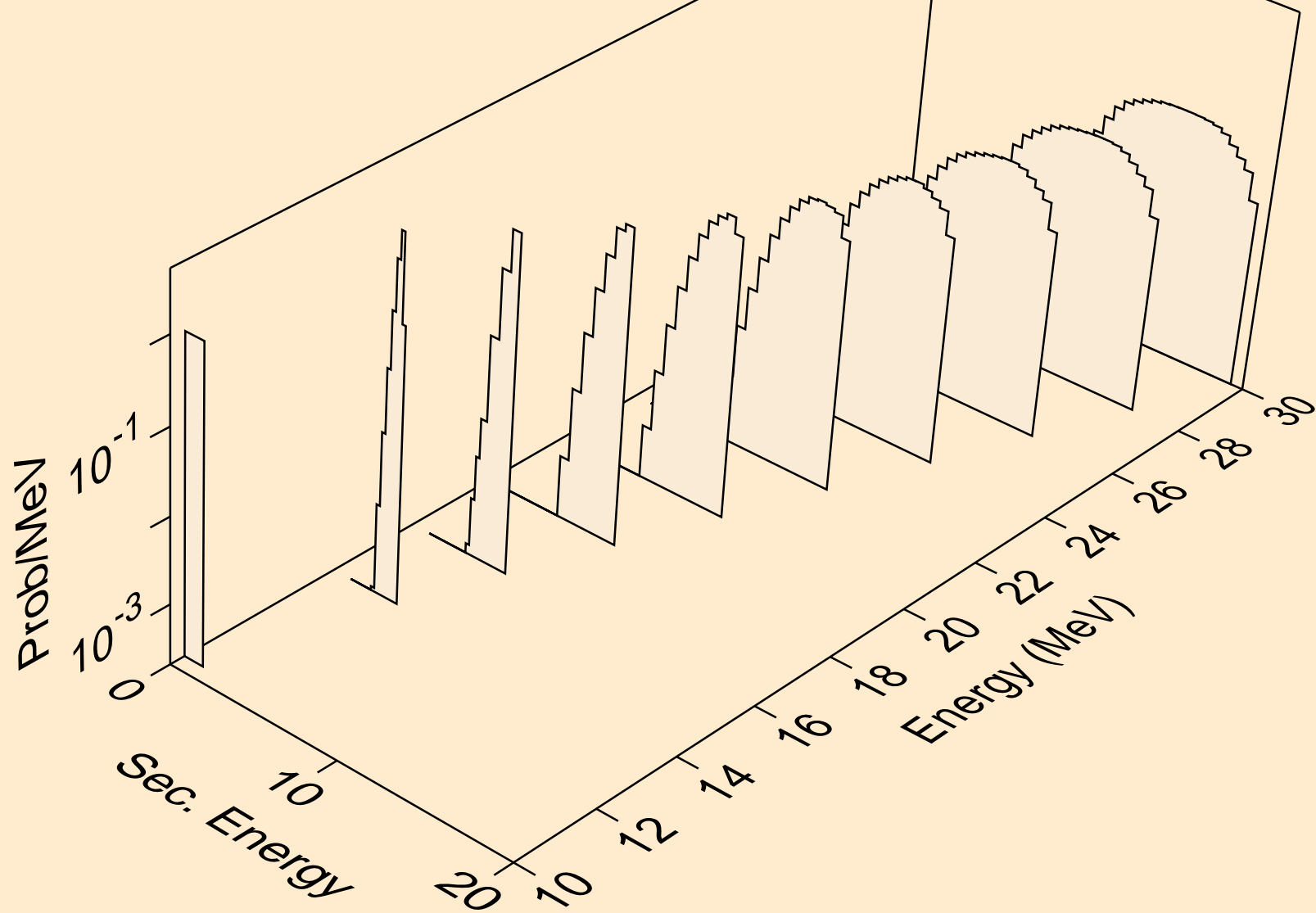
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deuterons from (n,da)



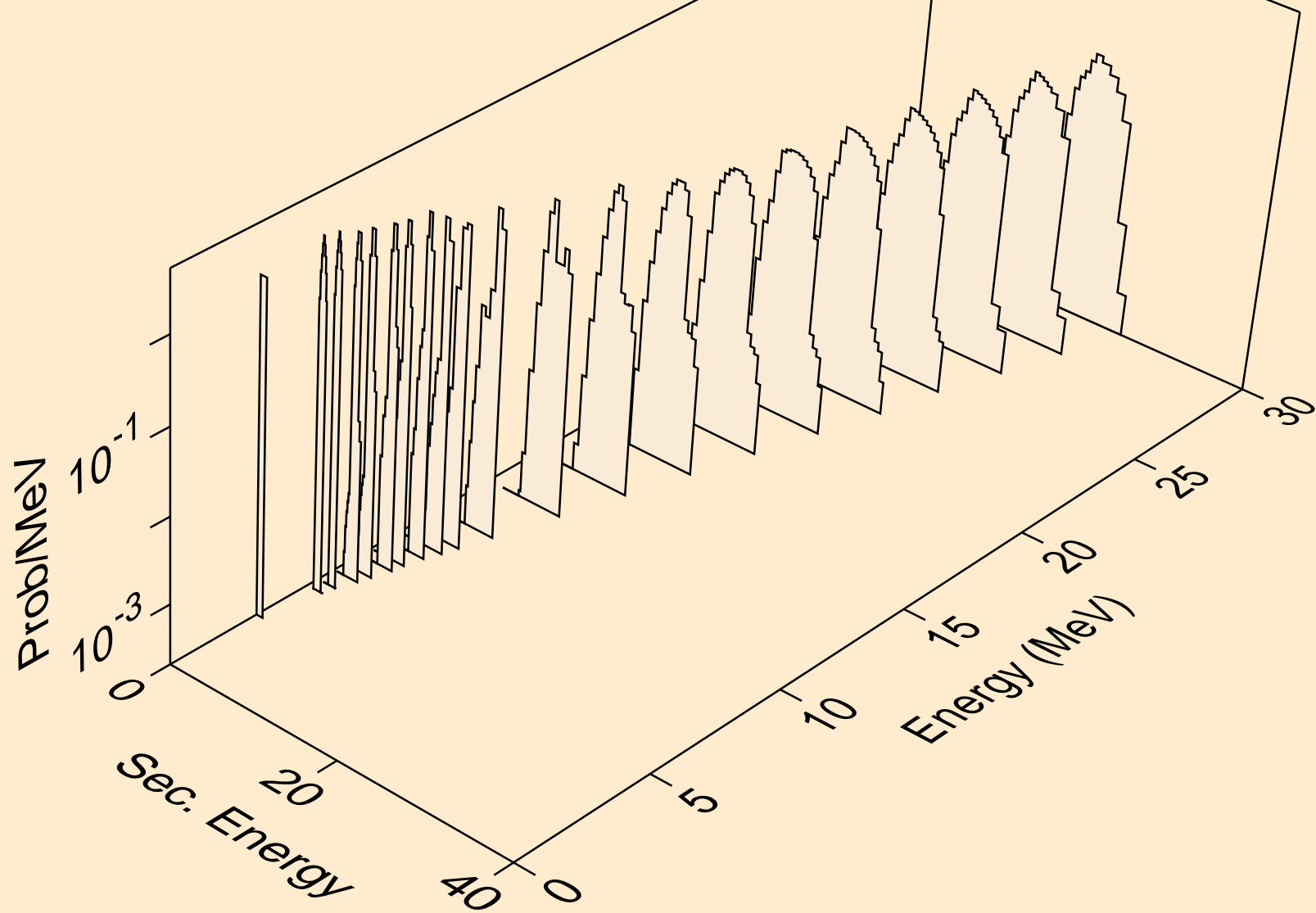
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tritons from (n,x)



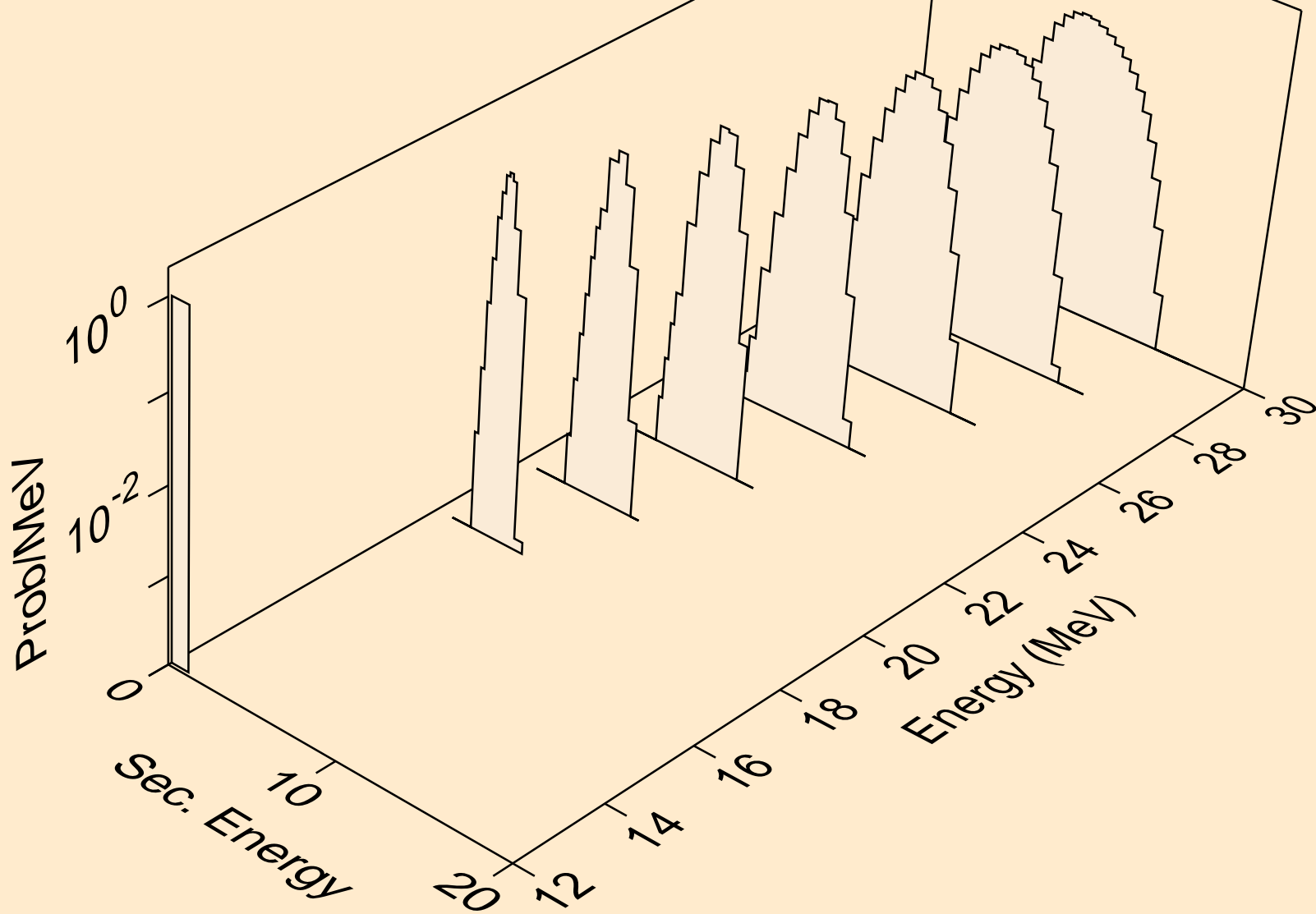
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,t)

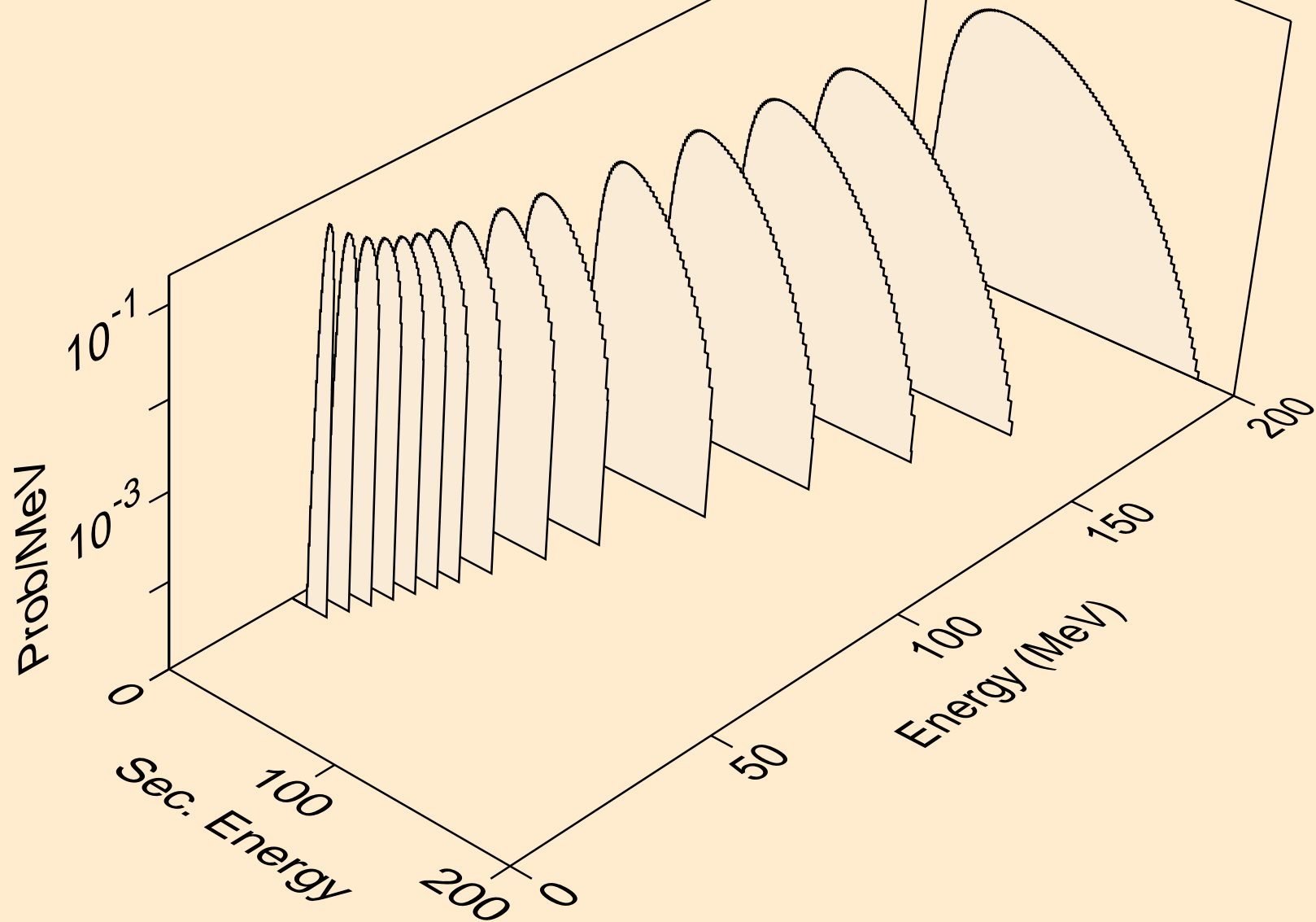


PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,pt)

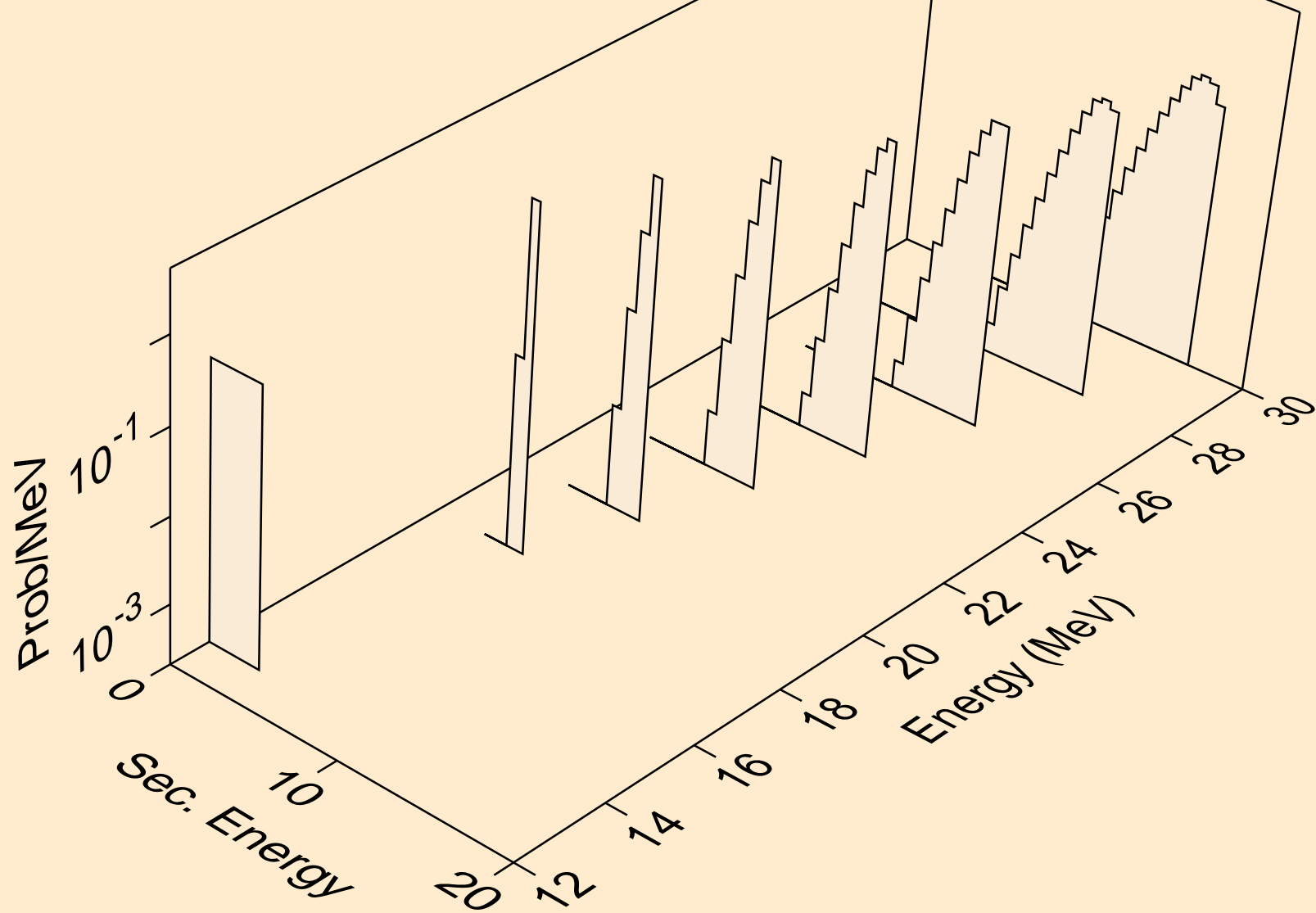




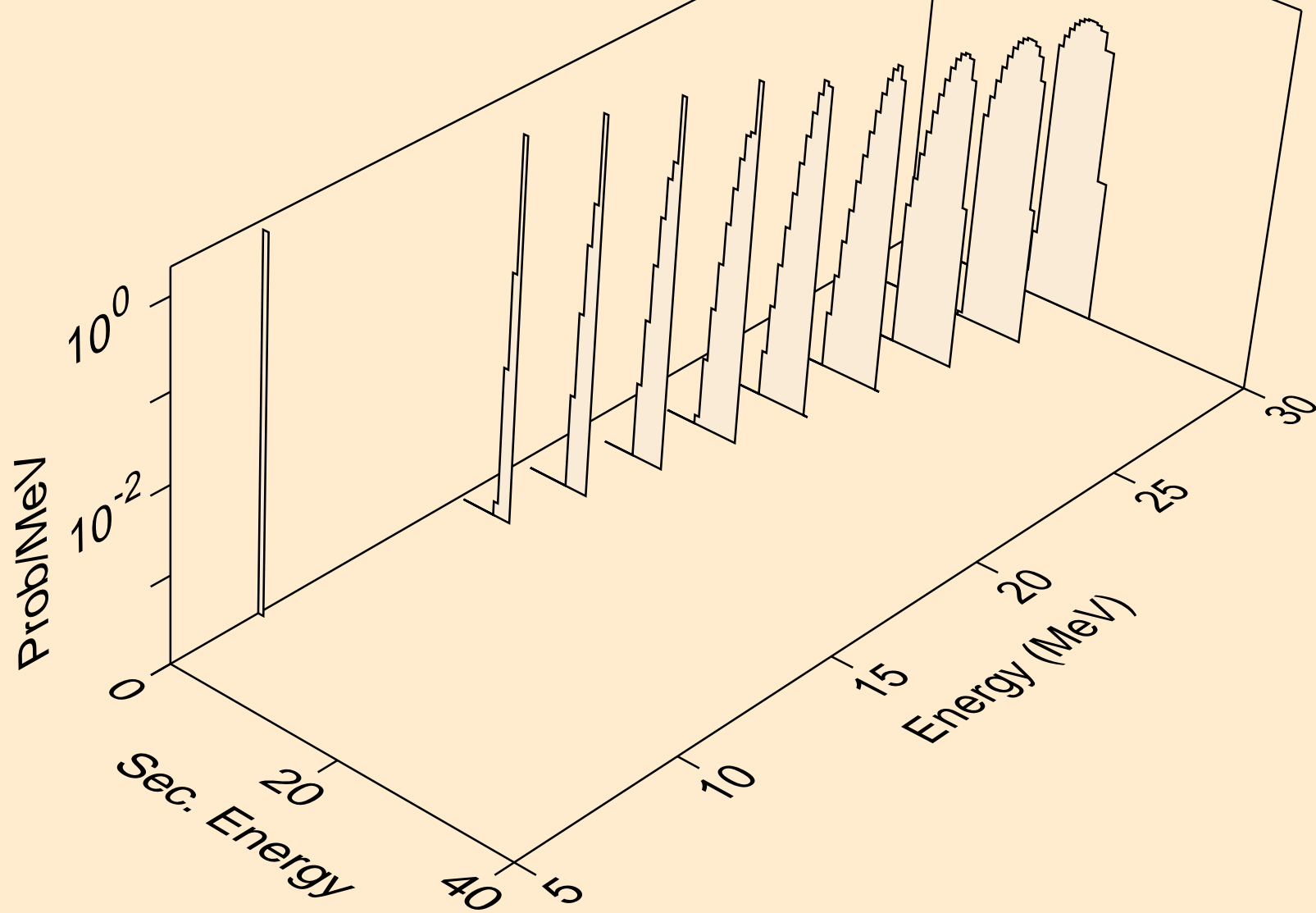
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)



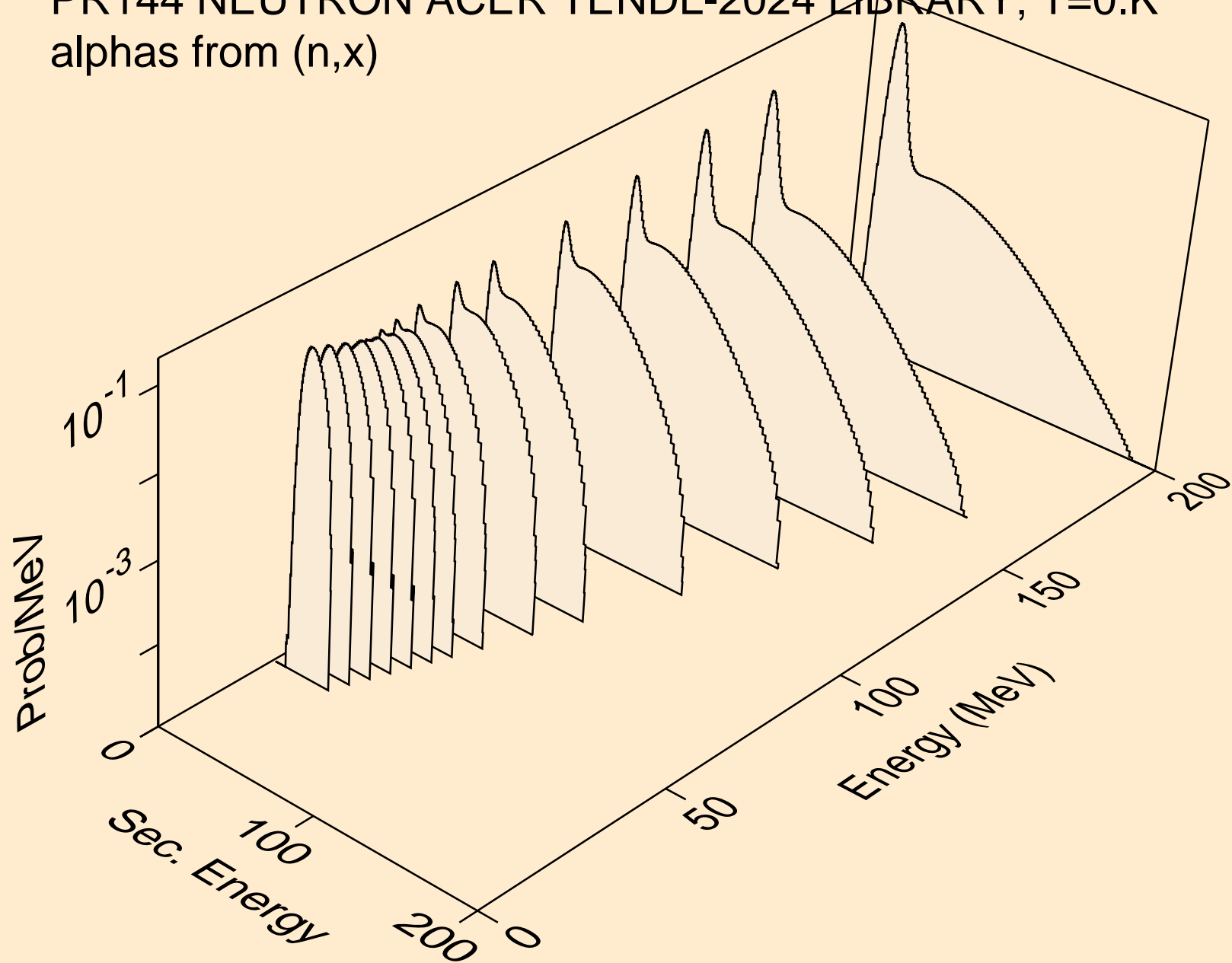
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3



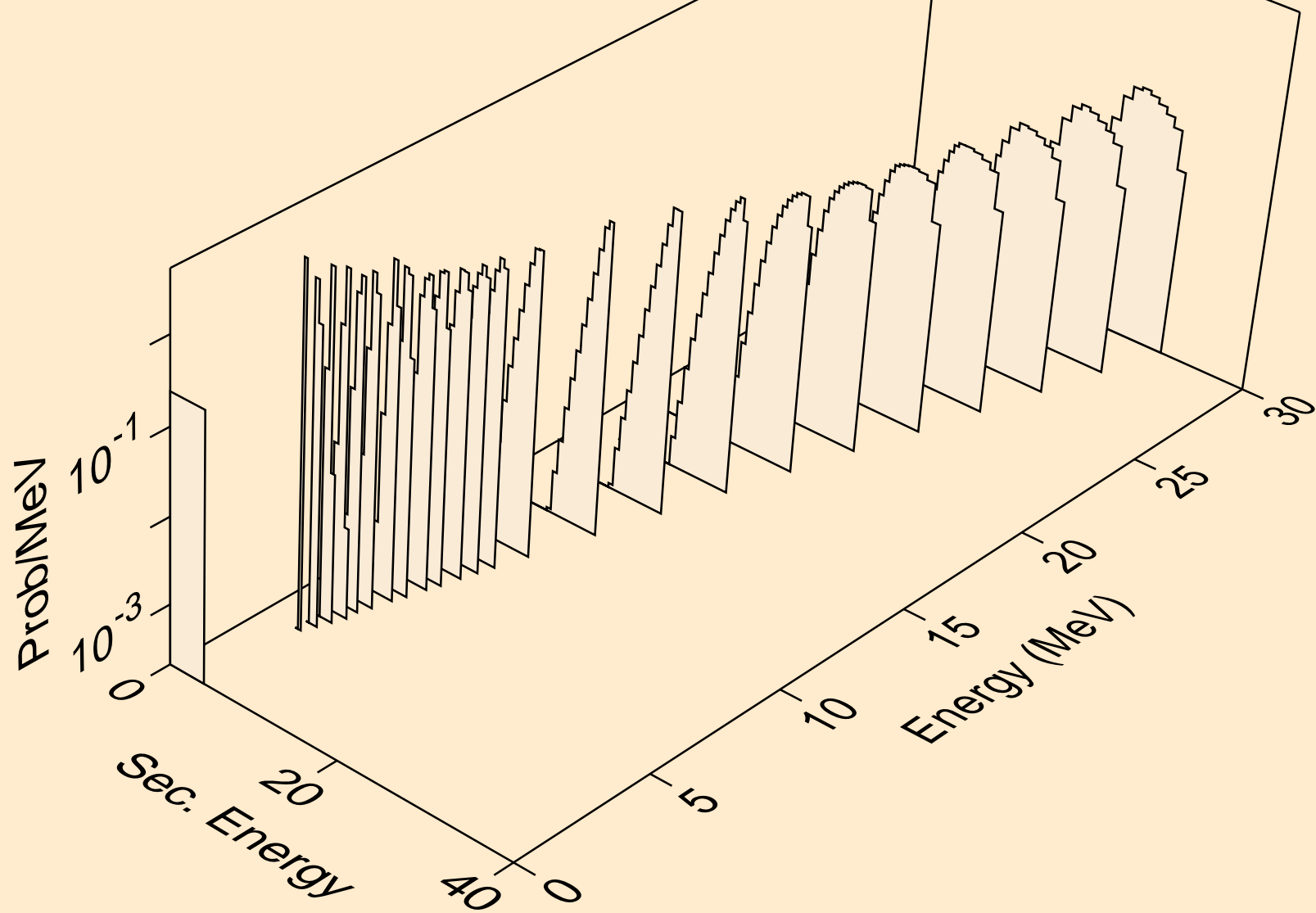
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)



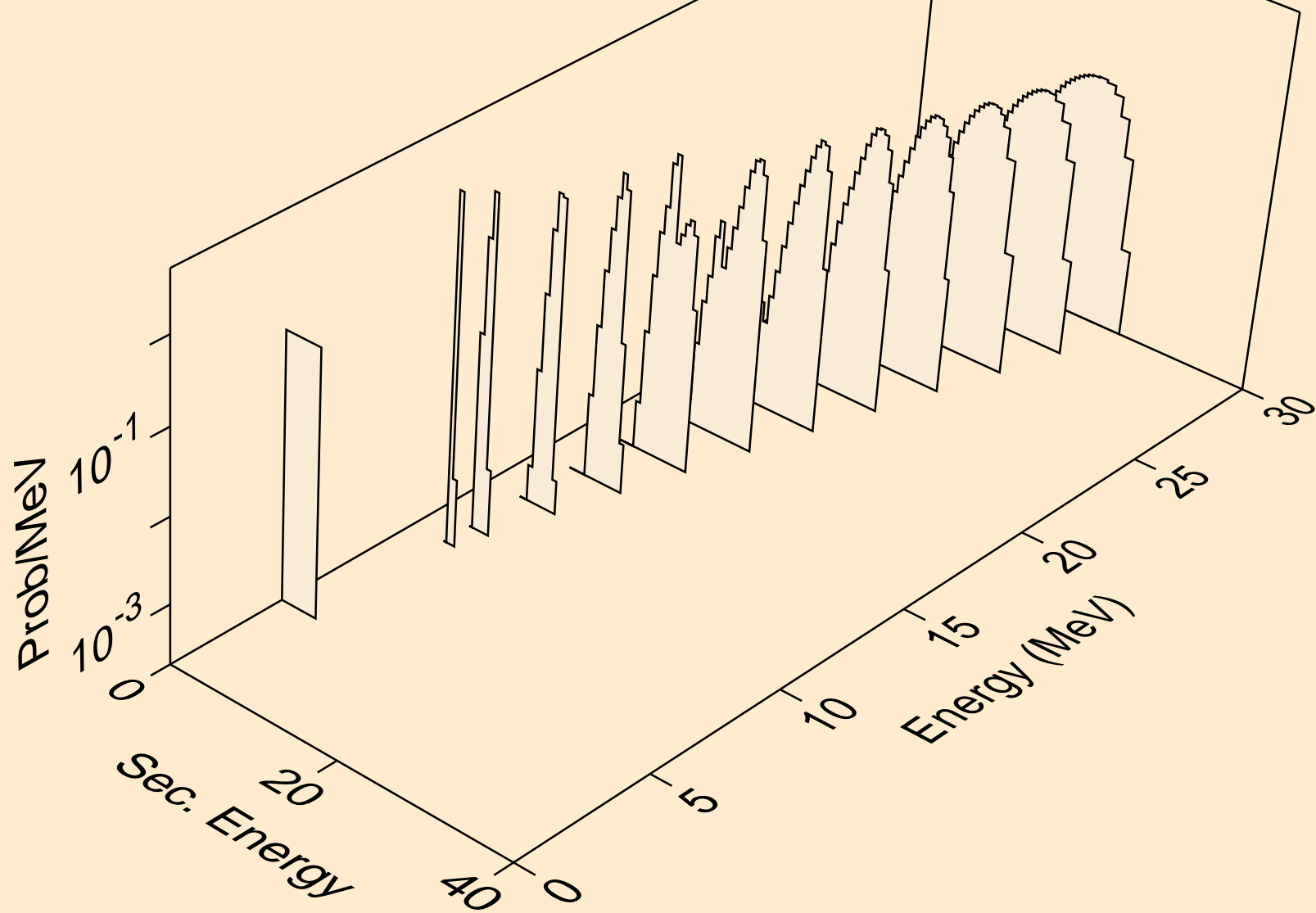
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



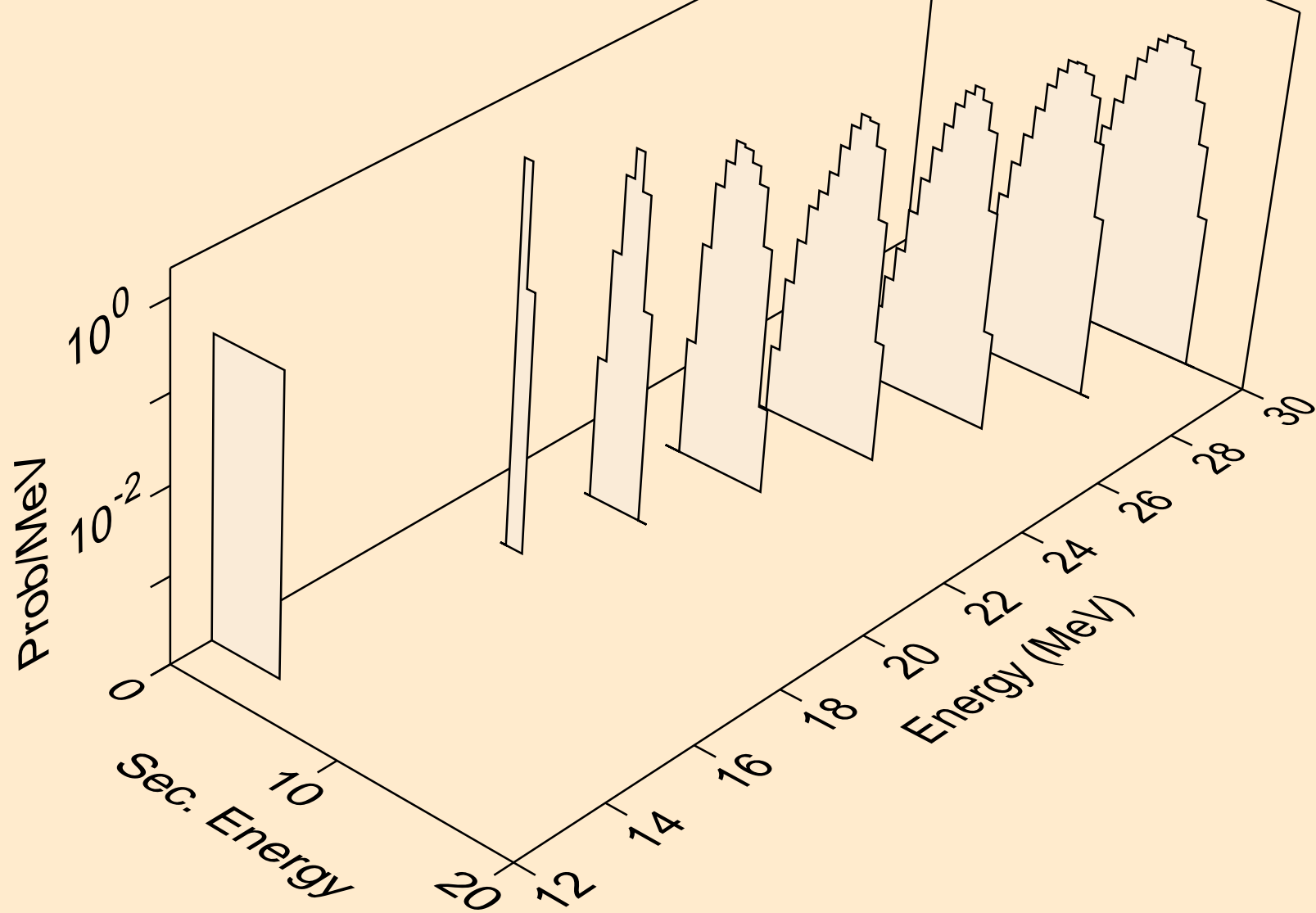
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



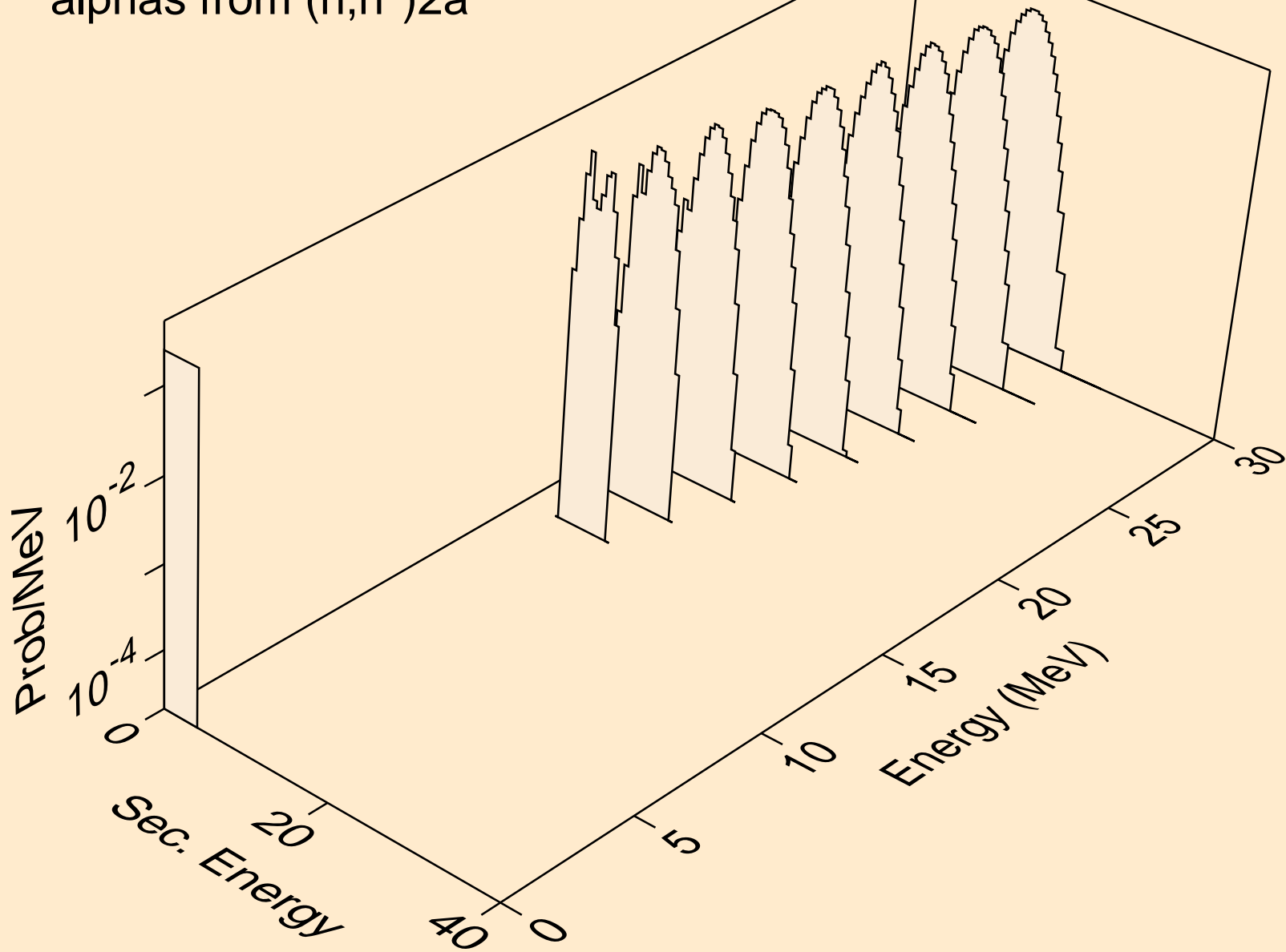
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a

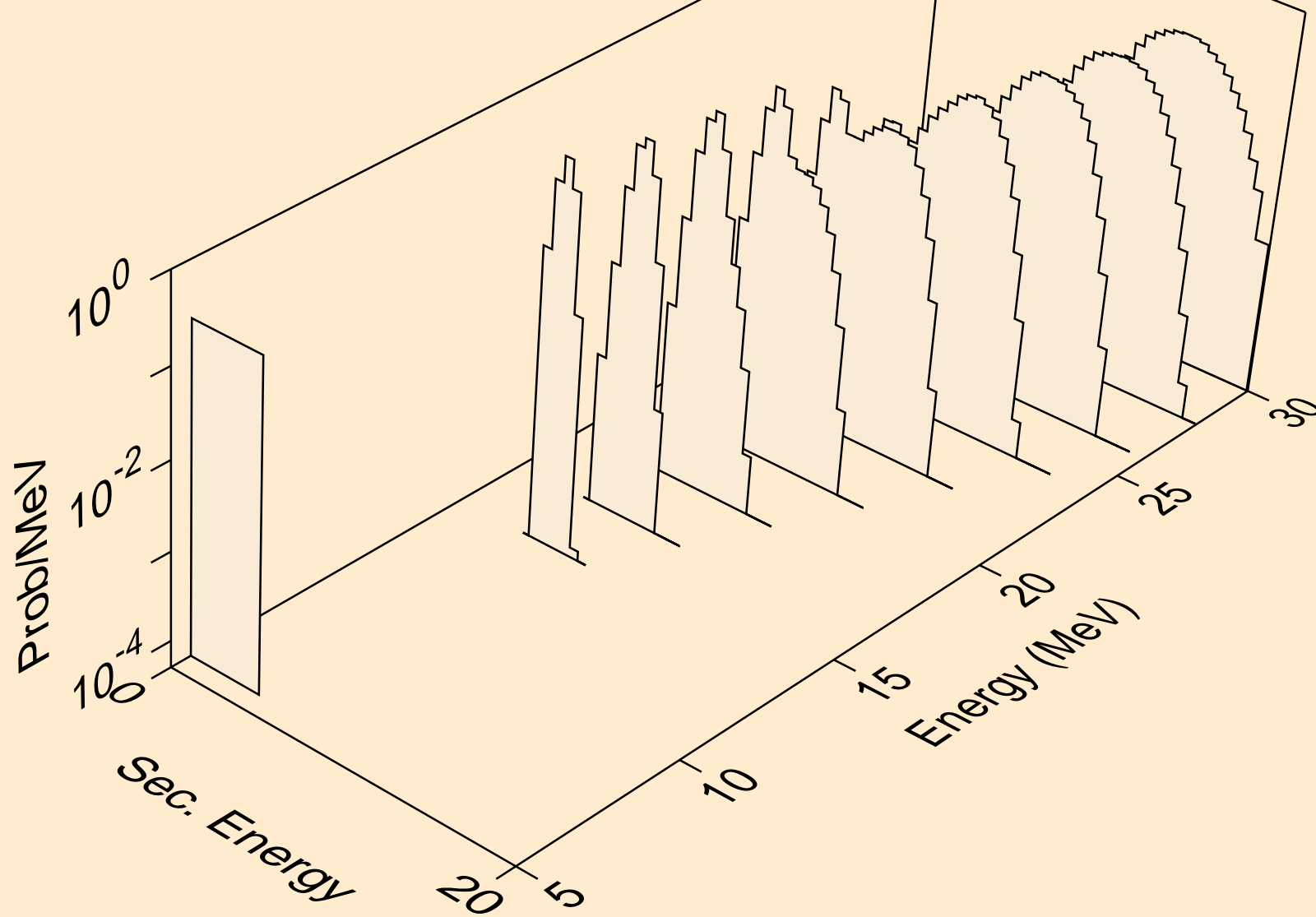


PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)2a

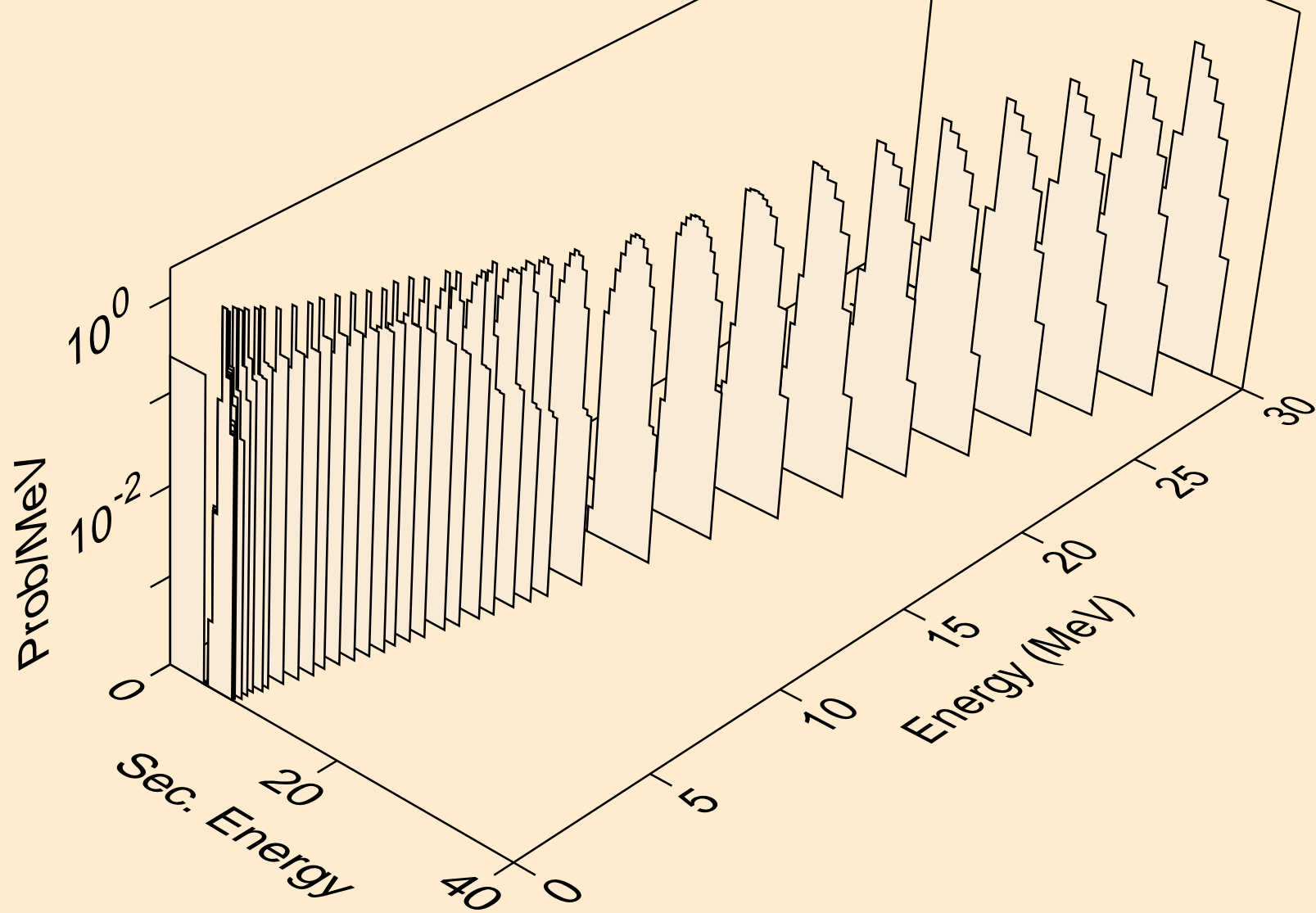




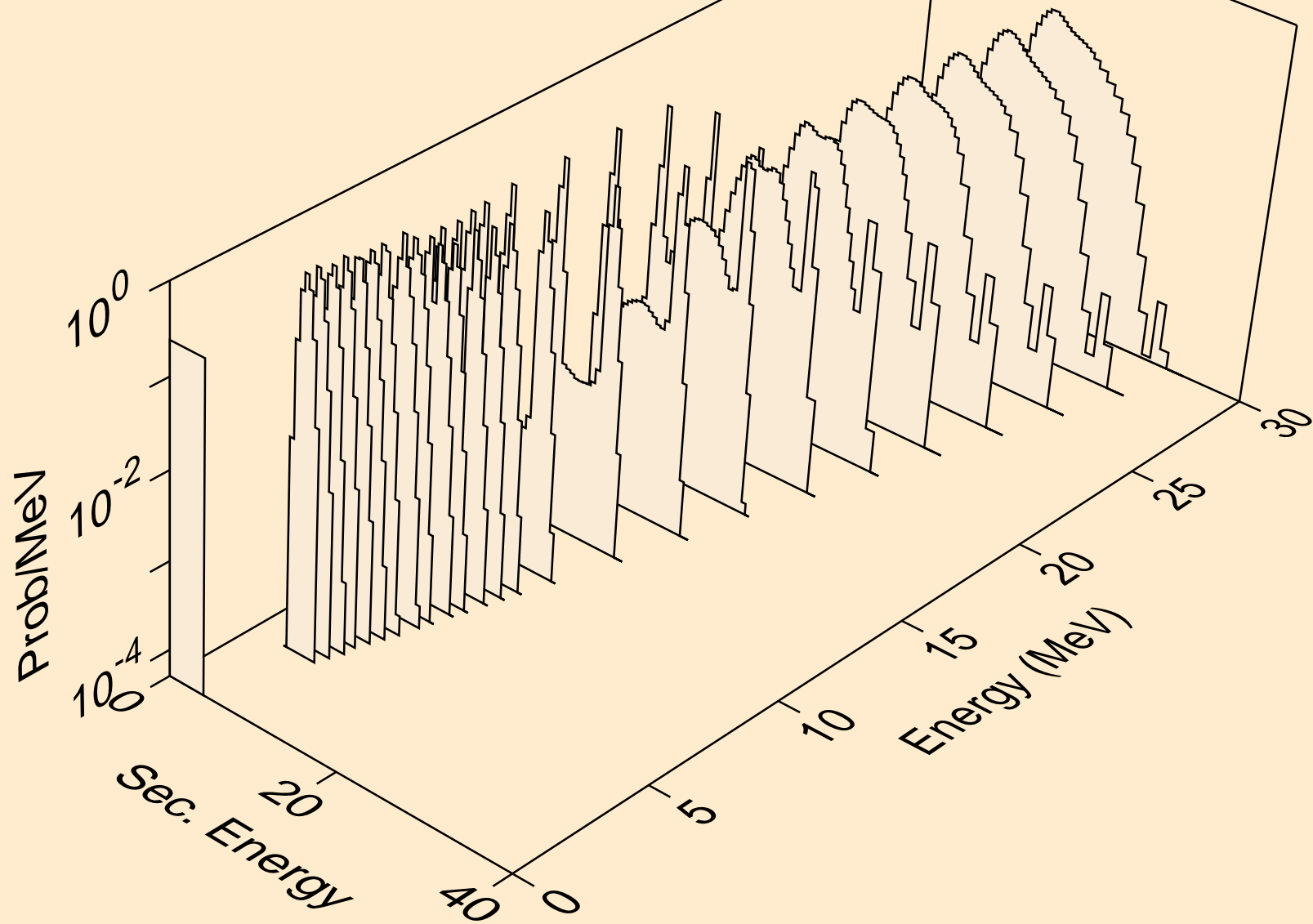
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)



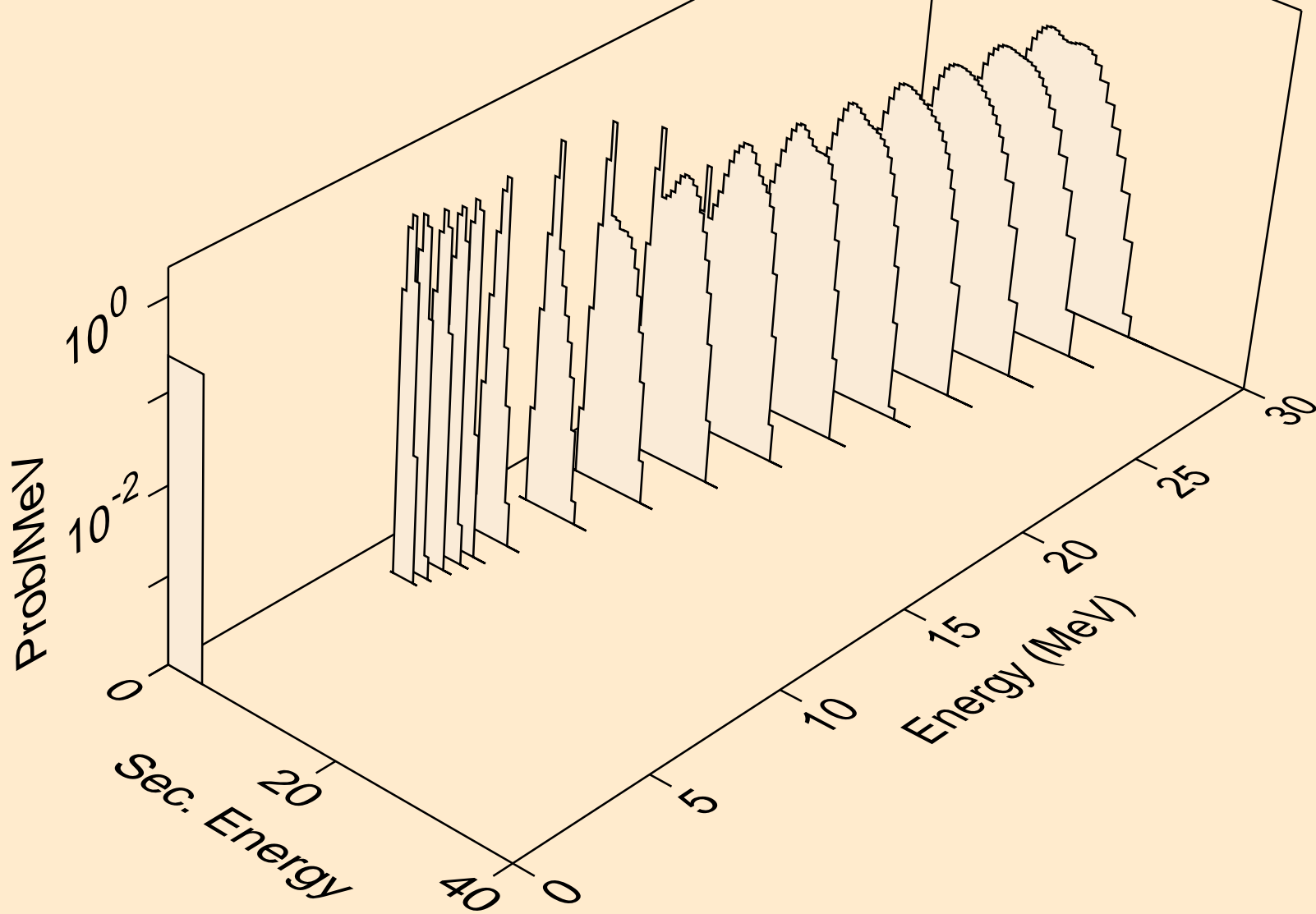
PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



PR144 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

