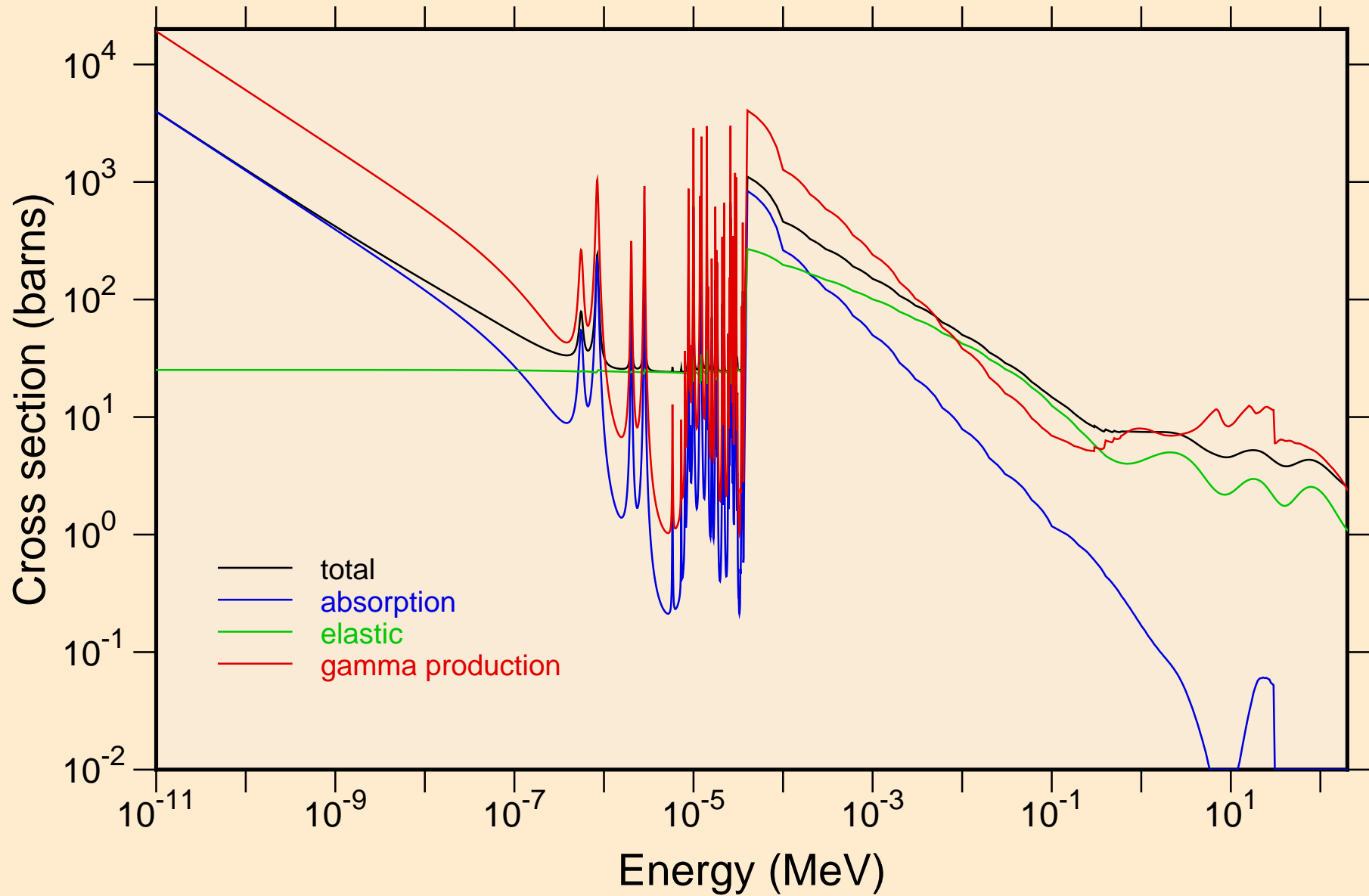
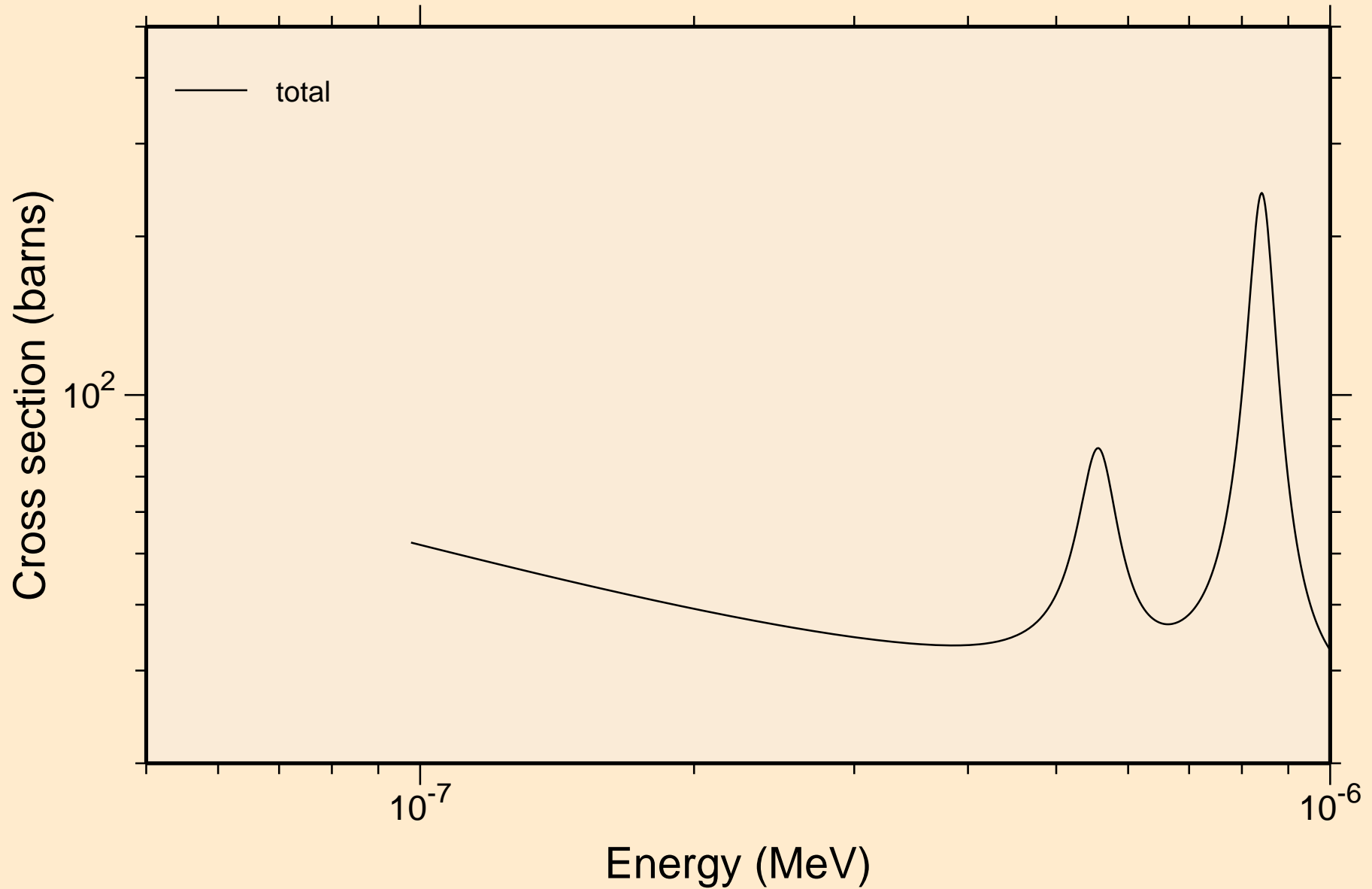


# ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

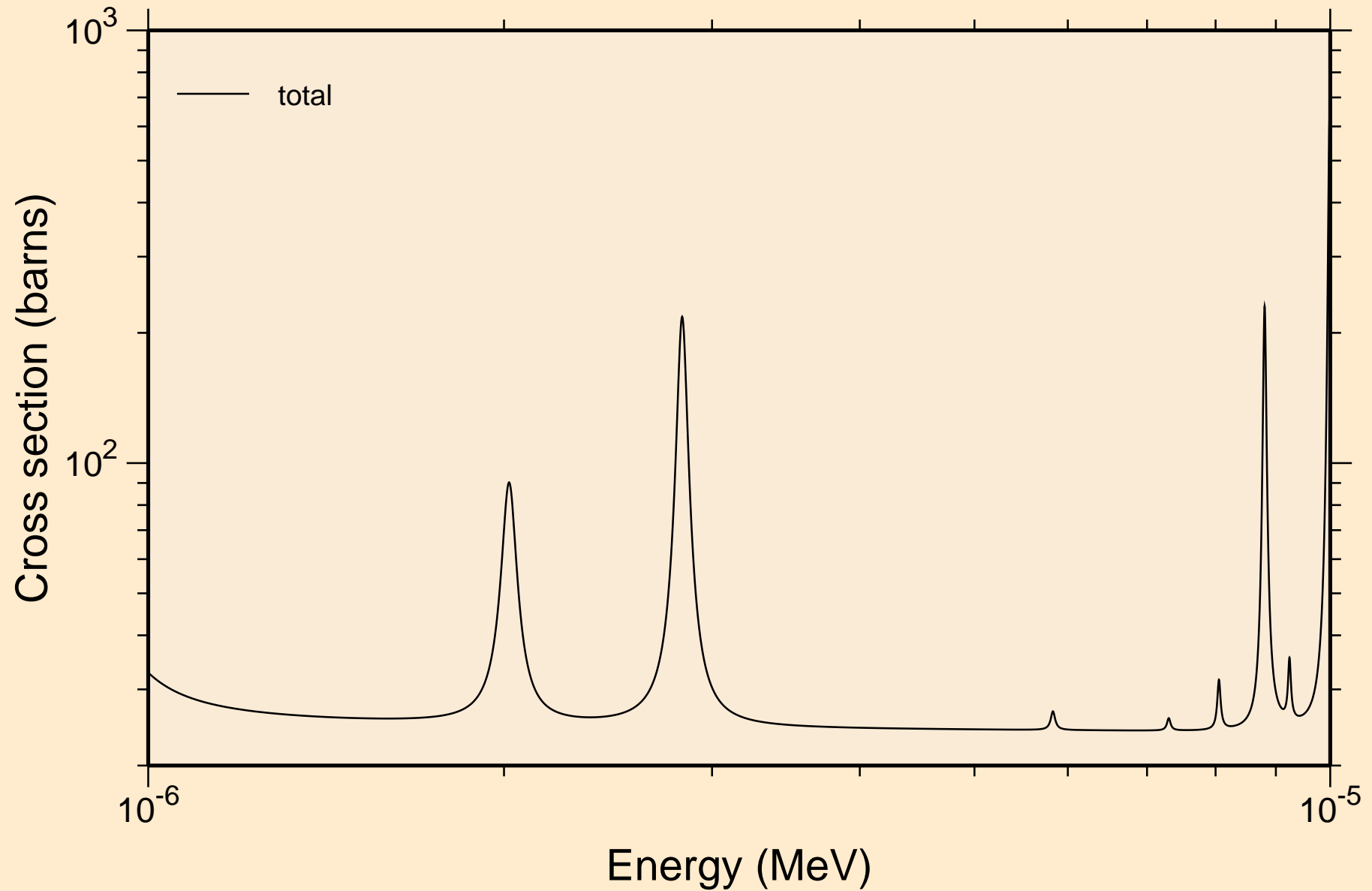
## Principal cross sections



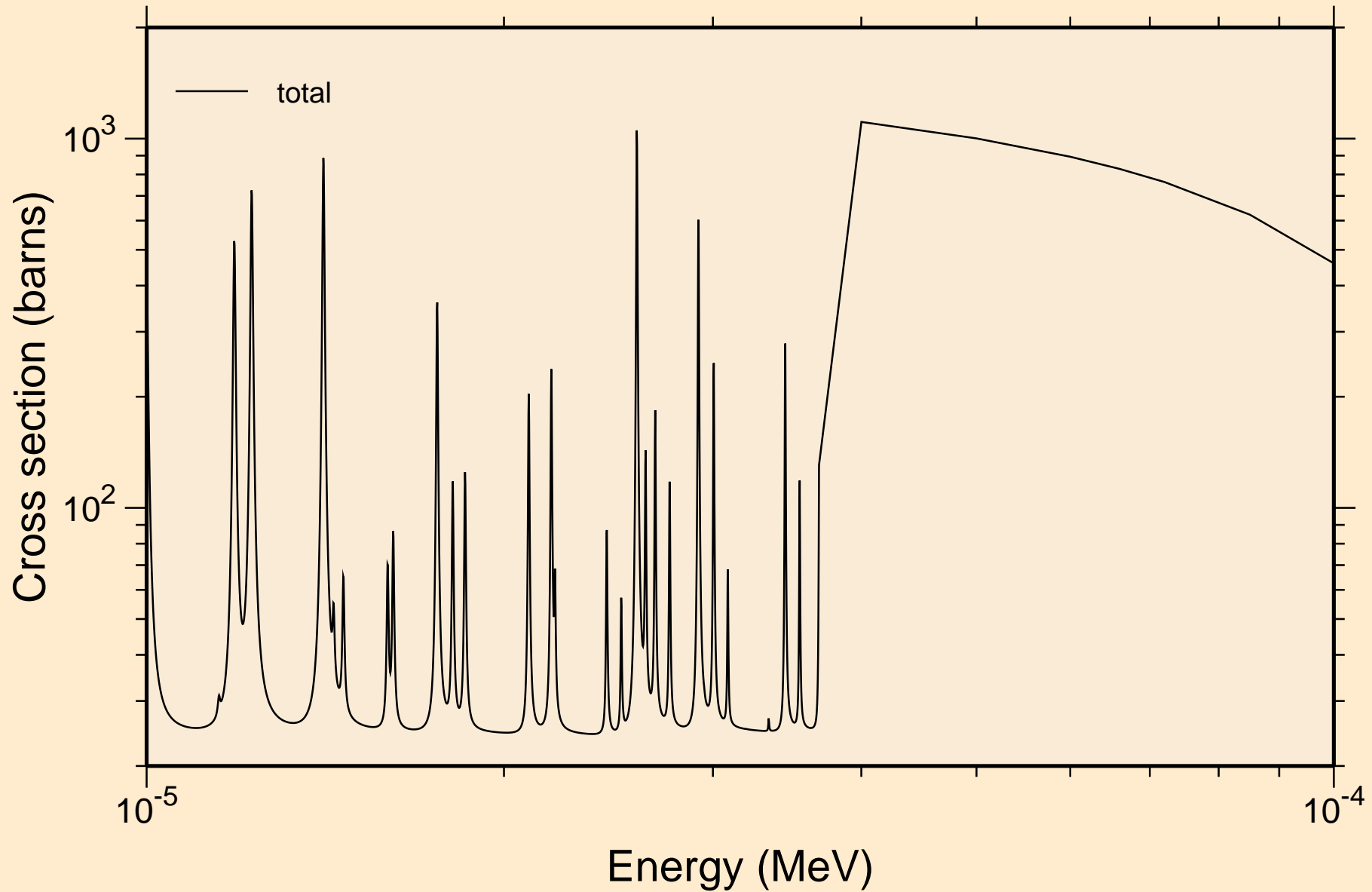
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



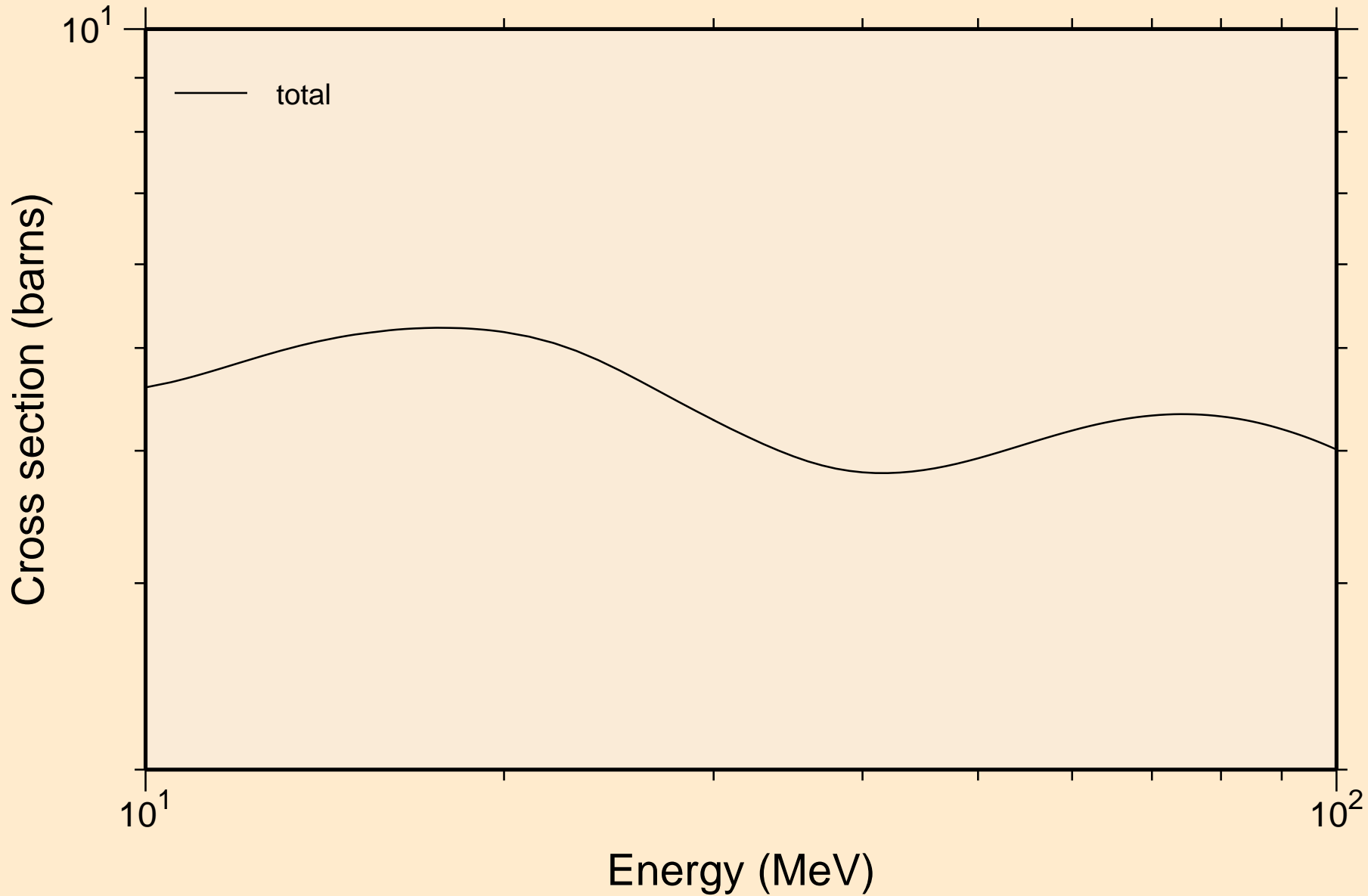
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



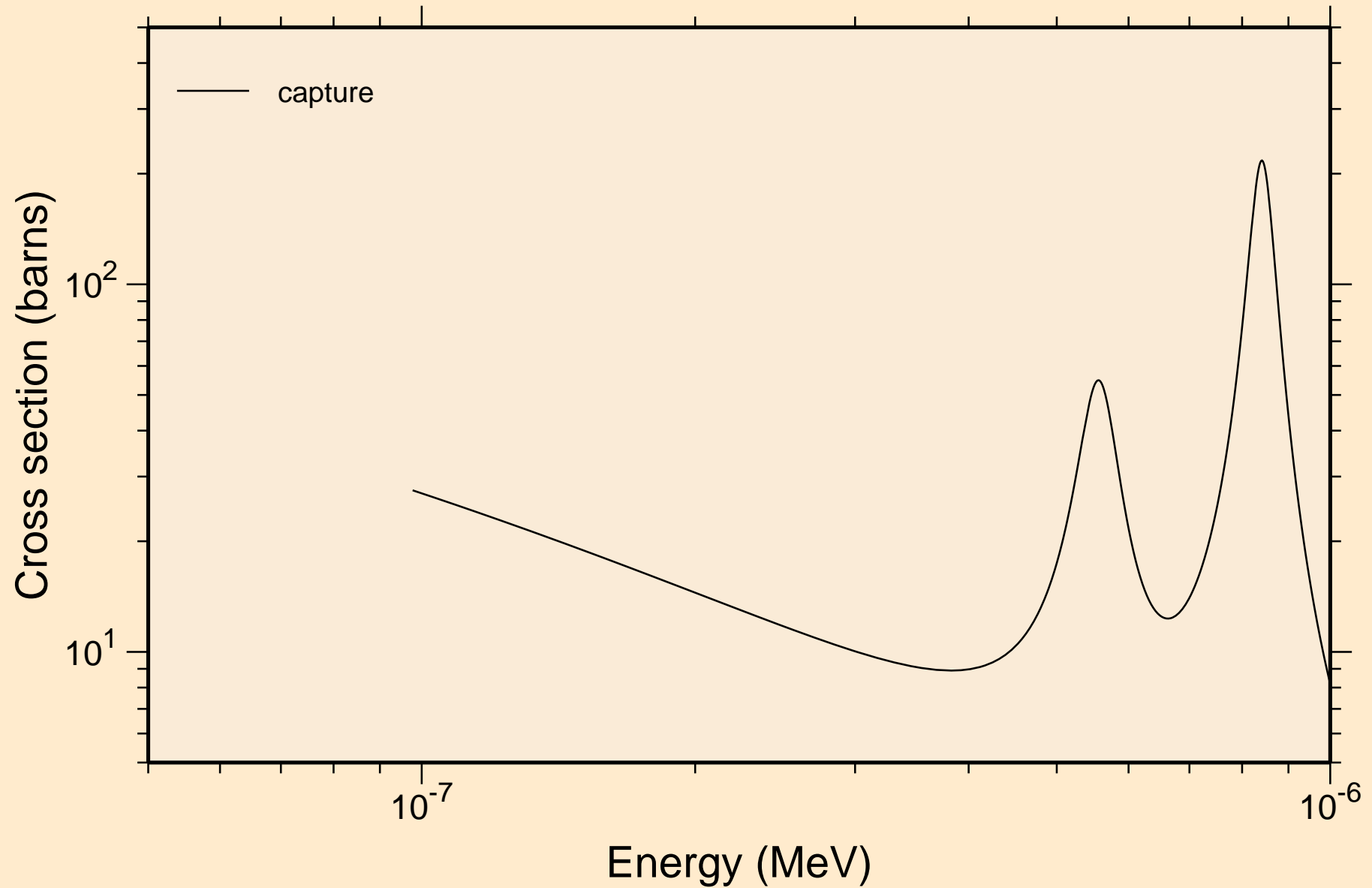
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



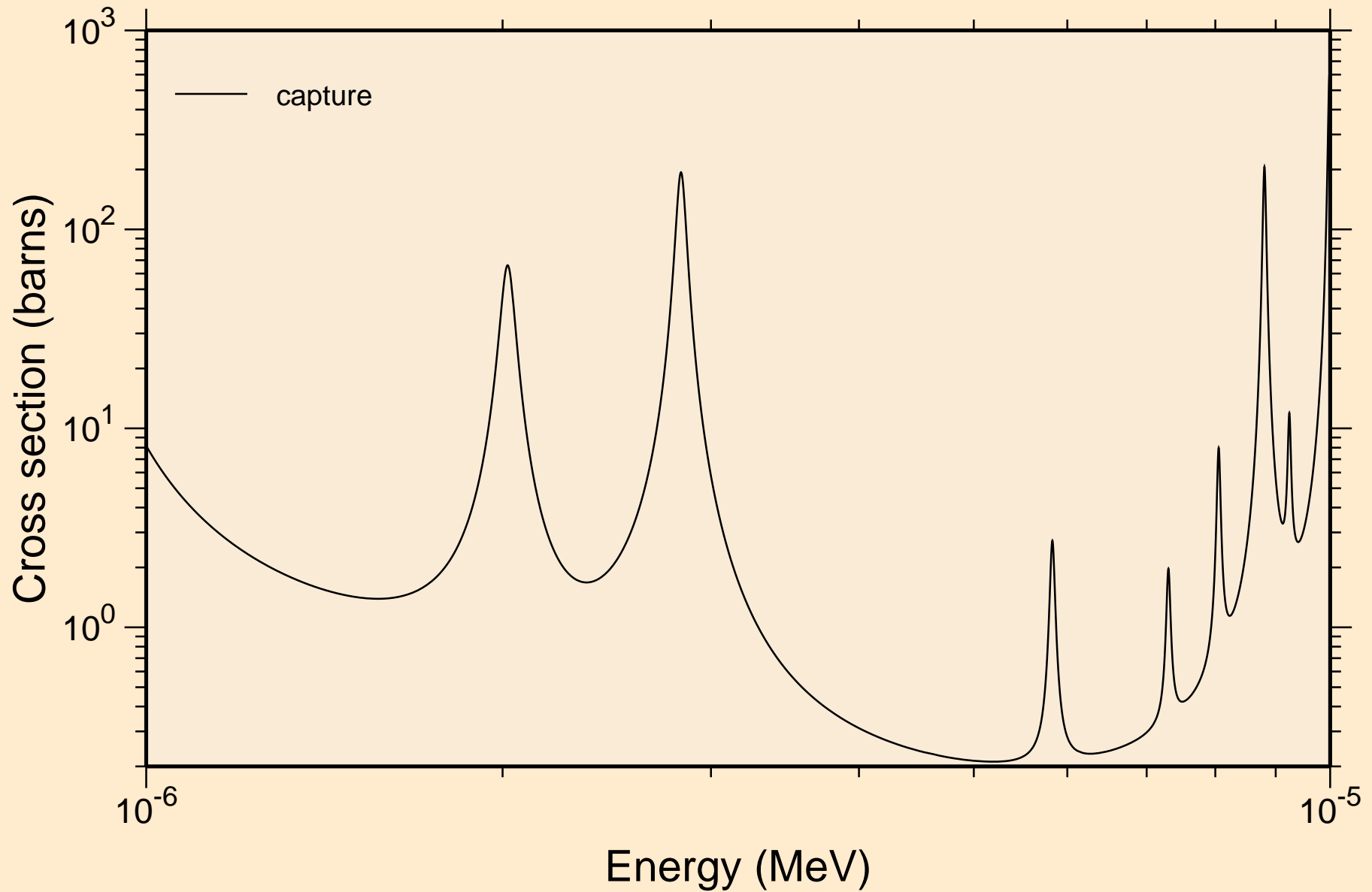
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



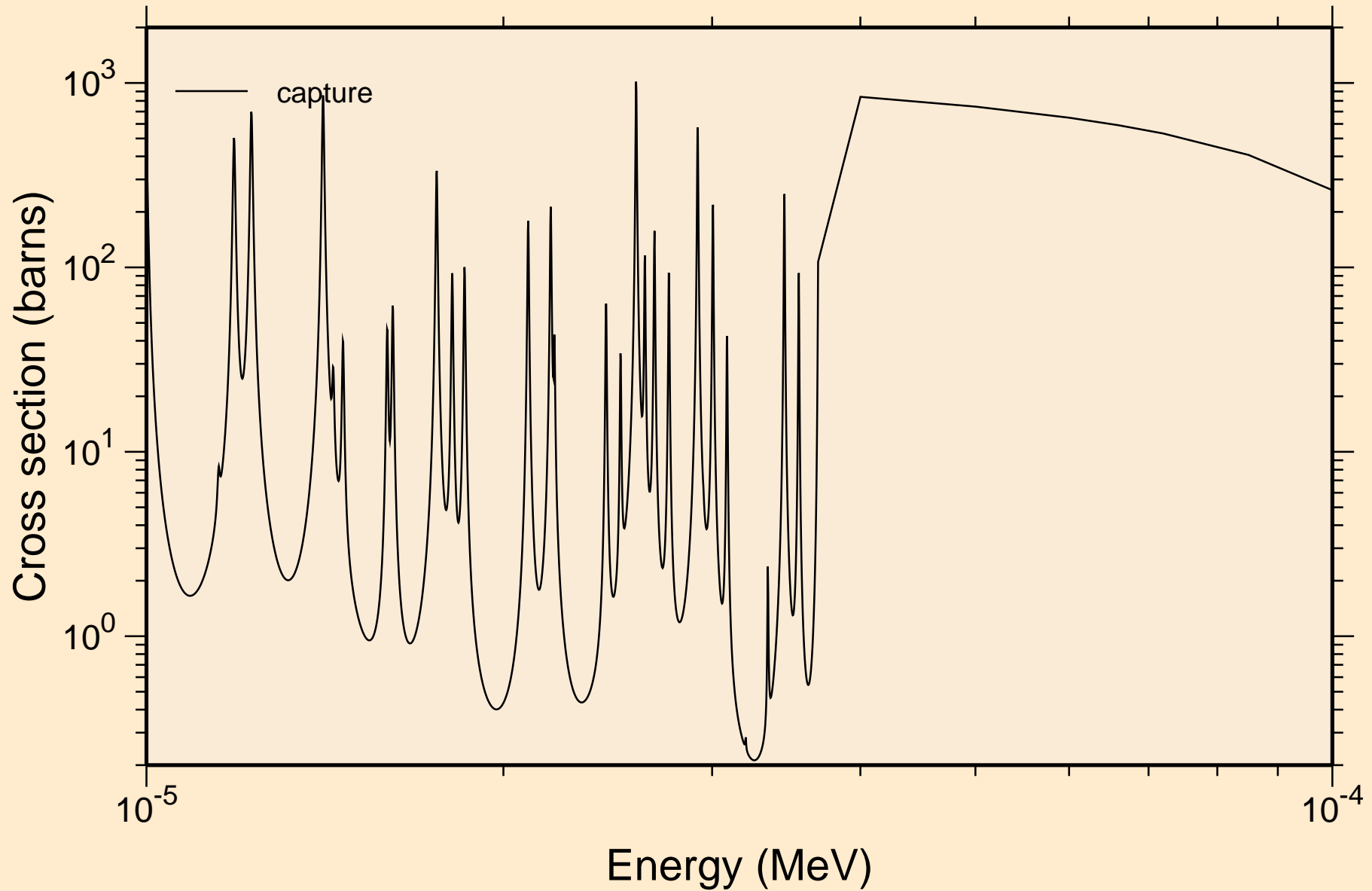
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

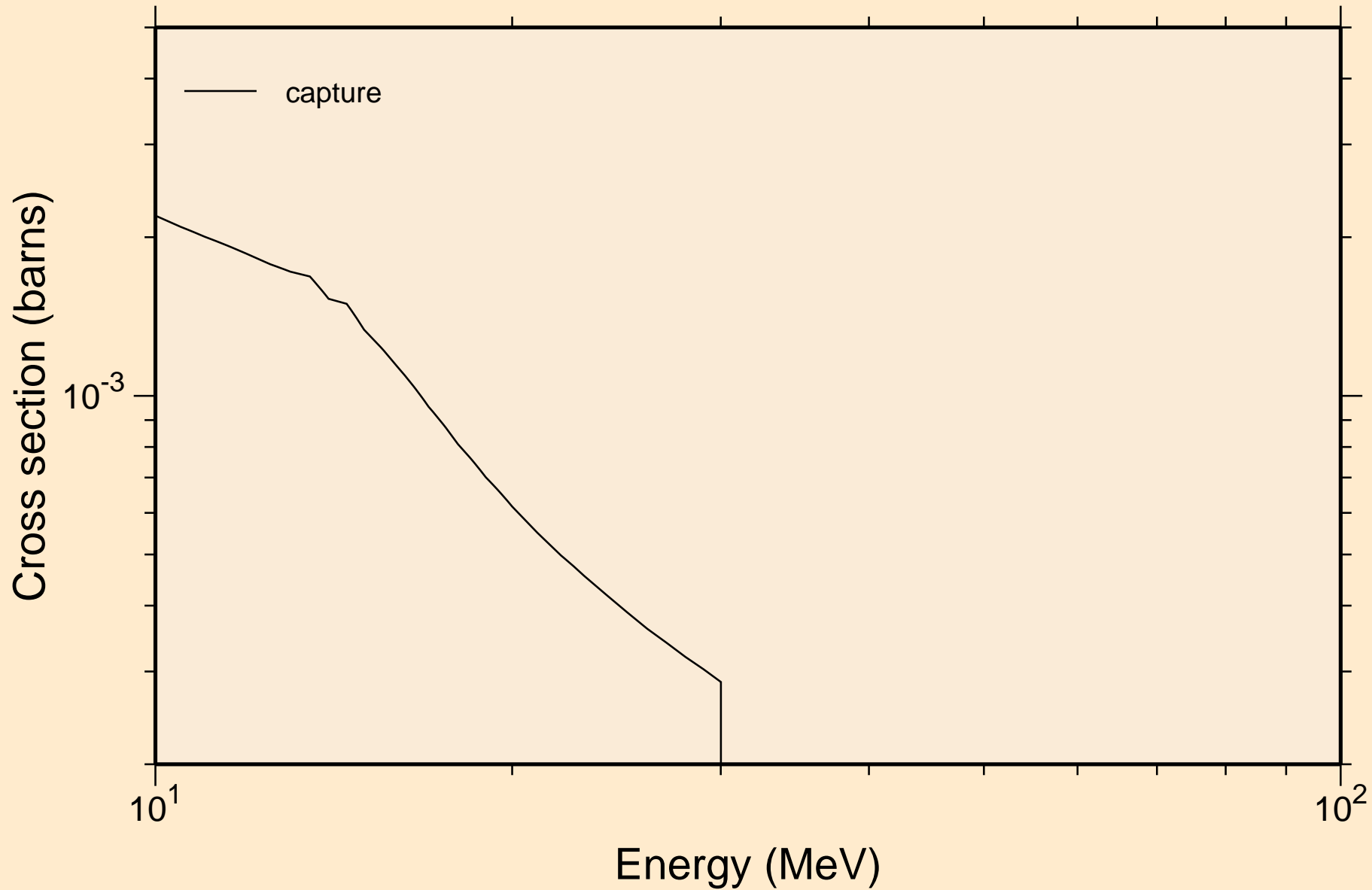


ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



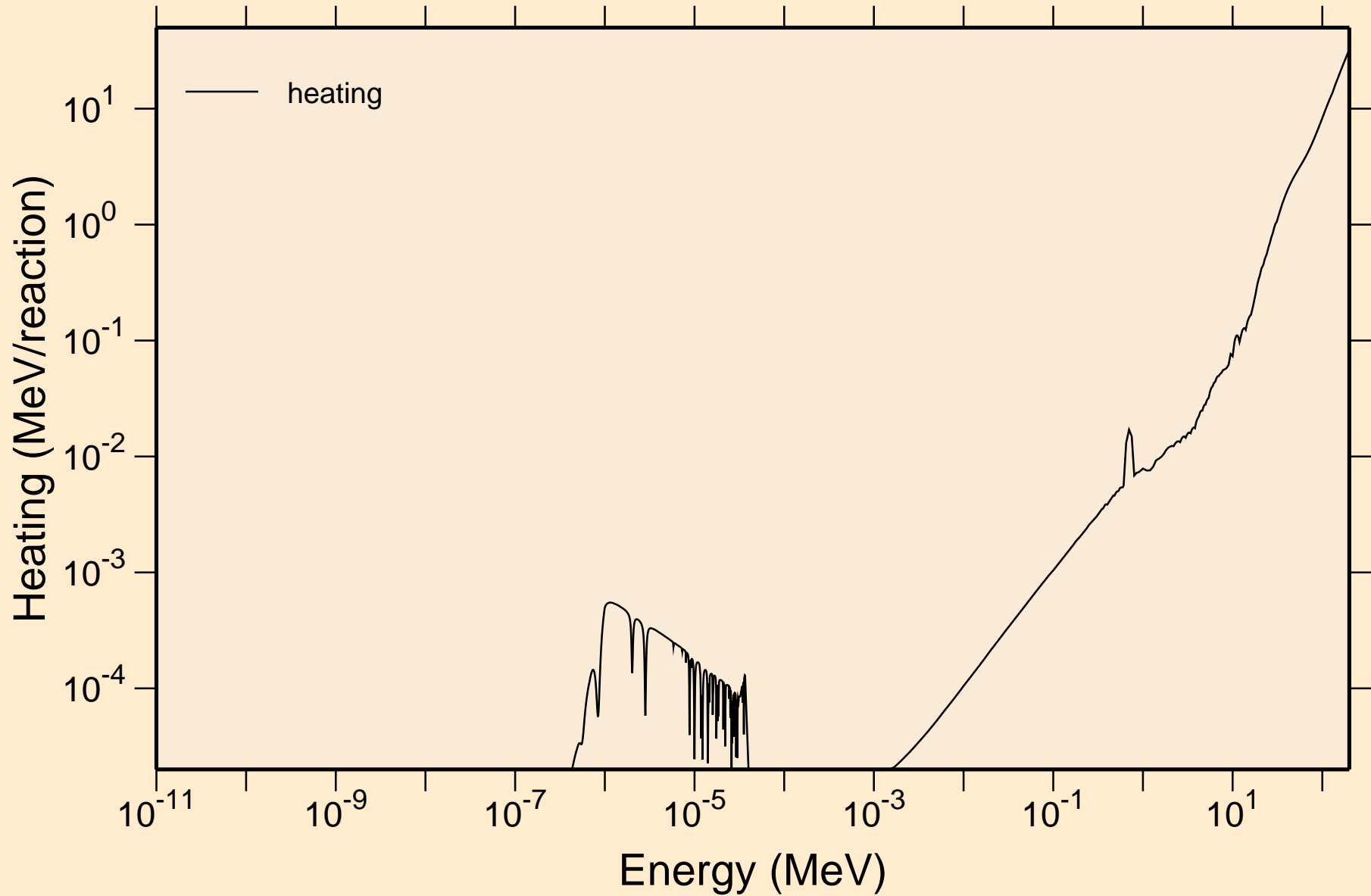


ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

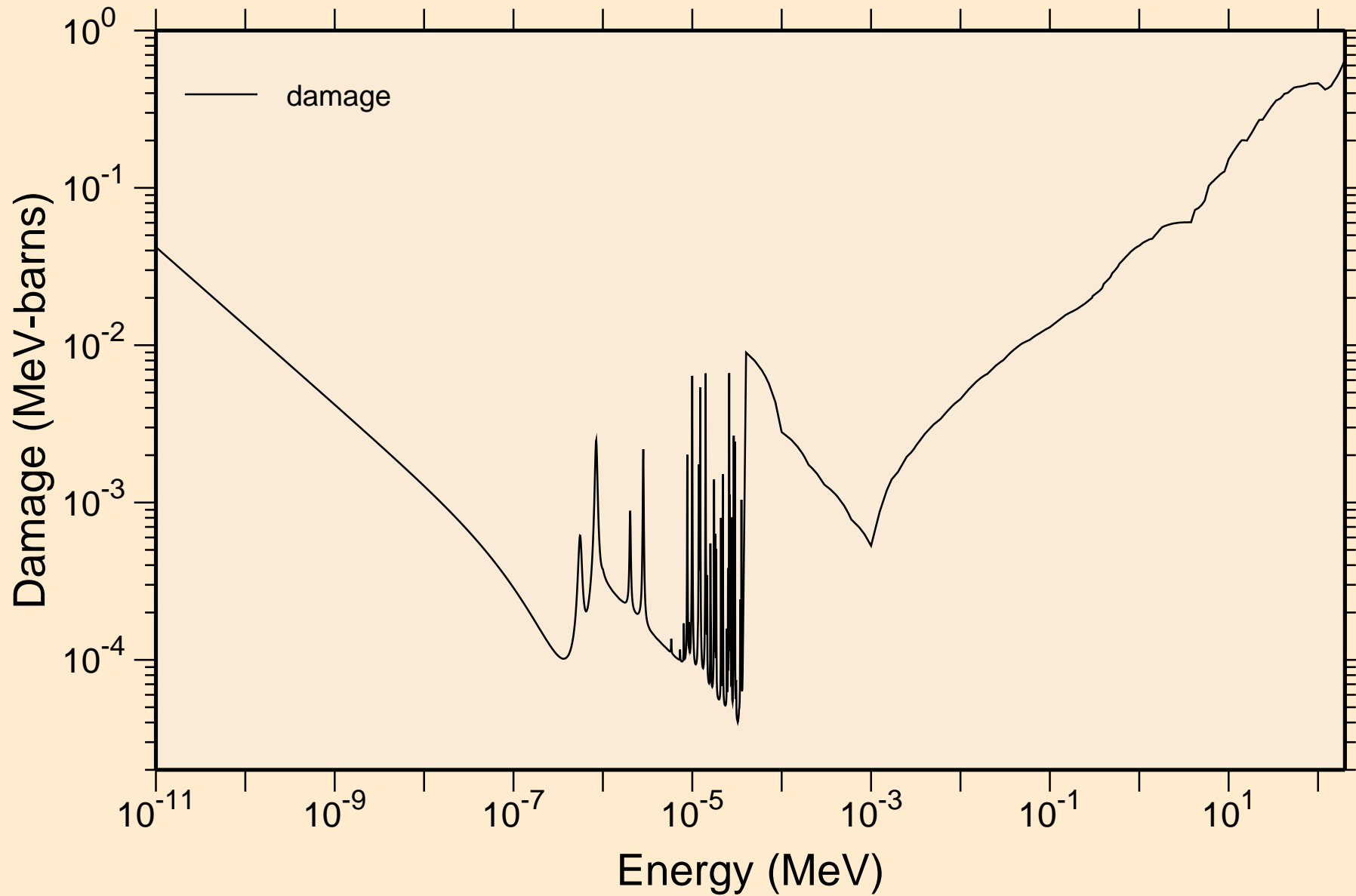


# ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

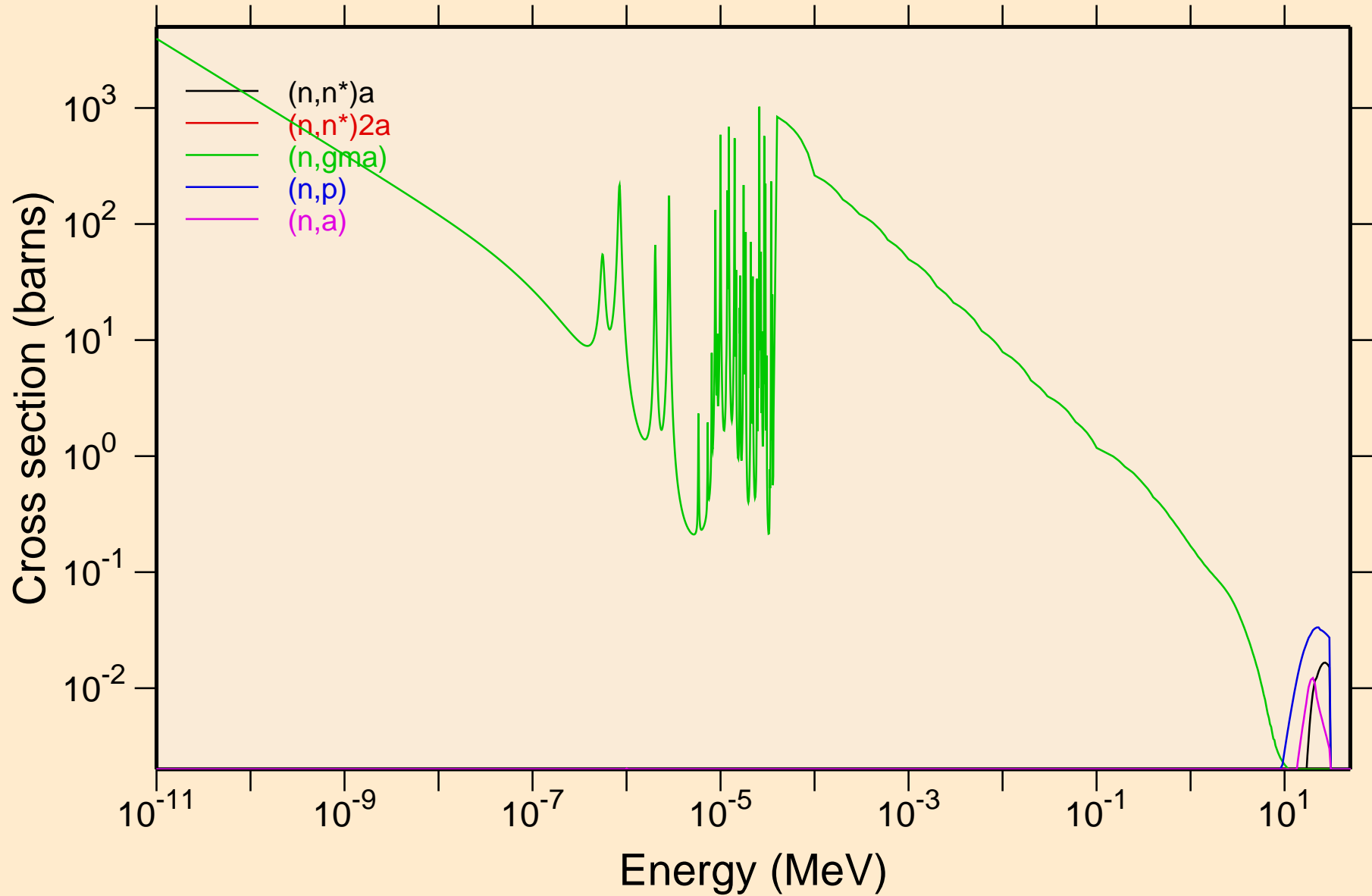
## Heating



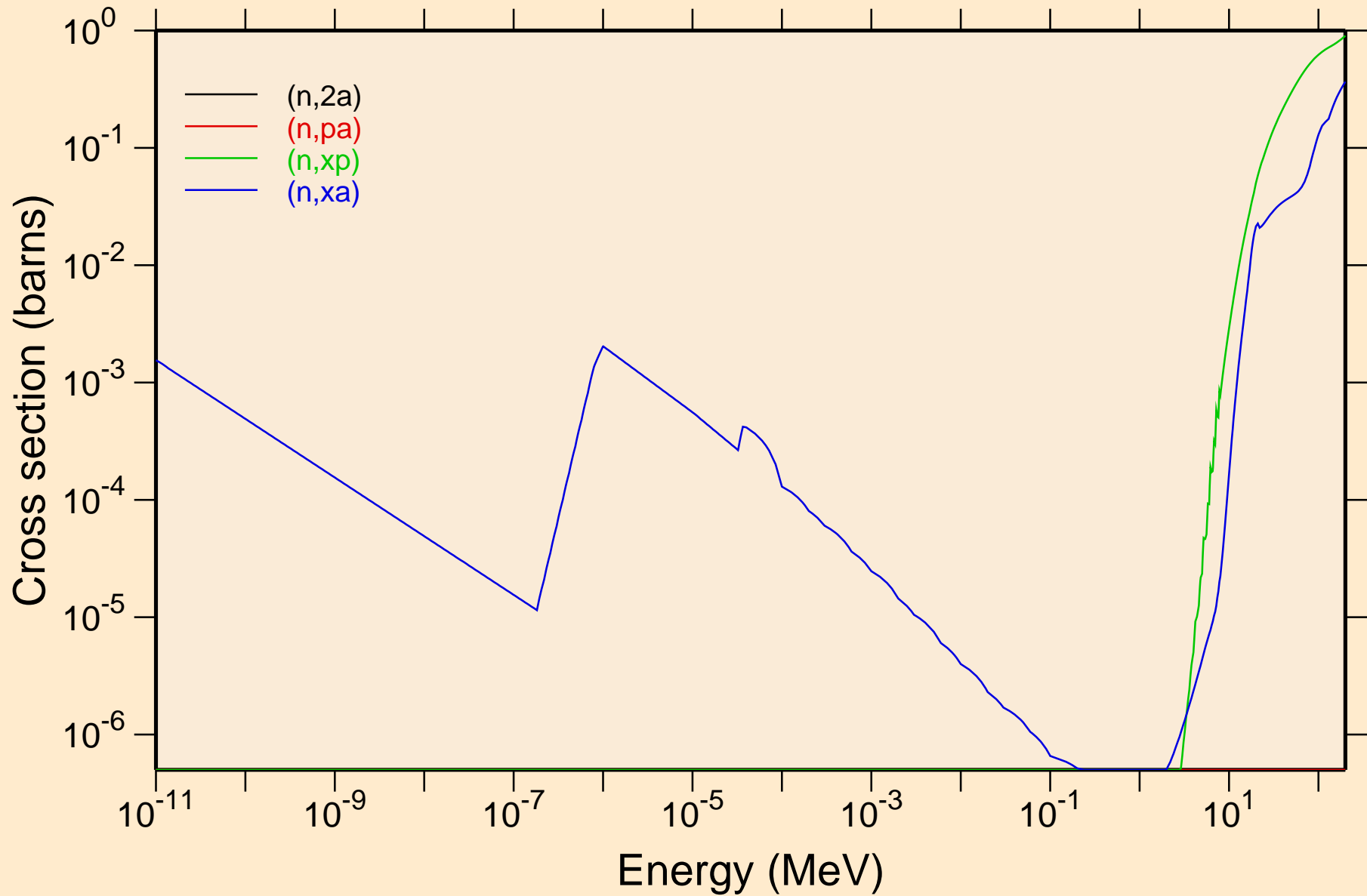
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage



ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

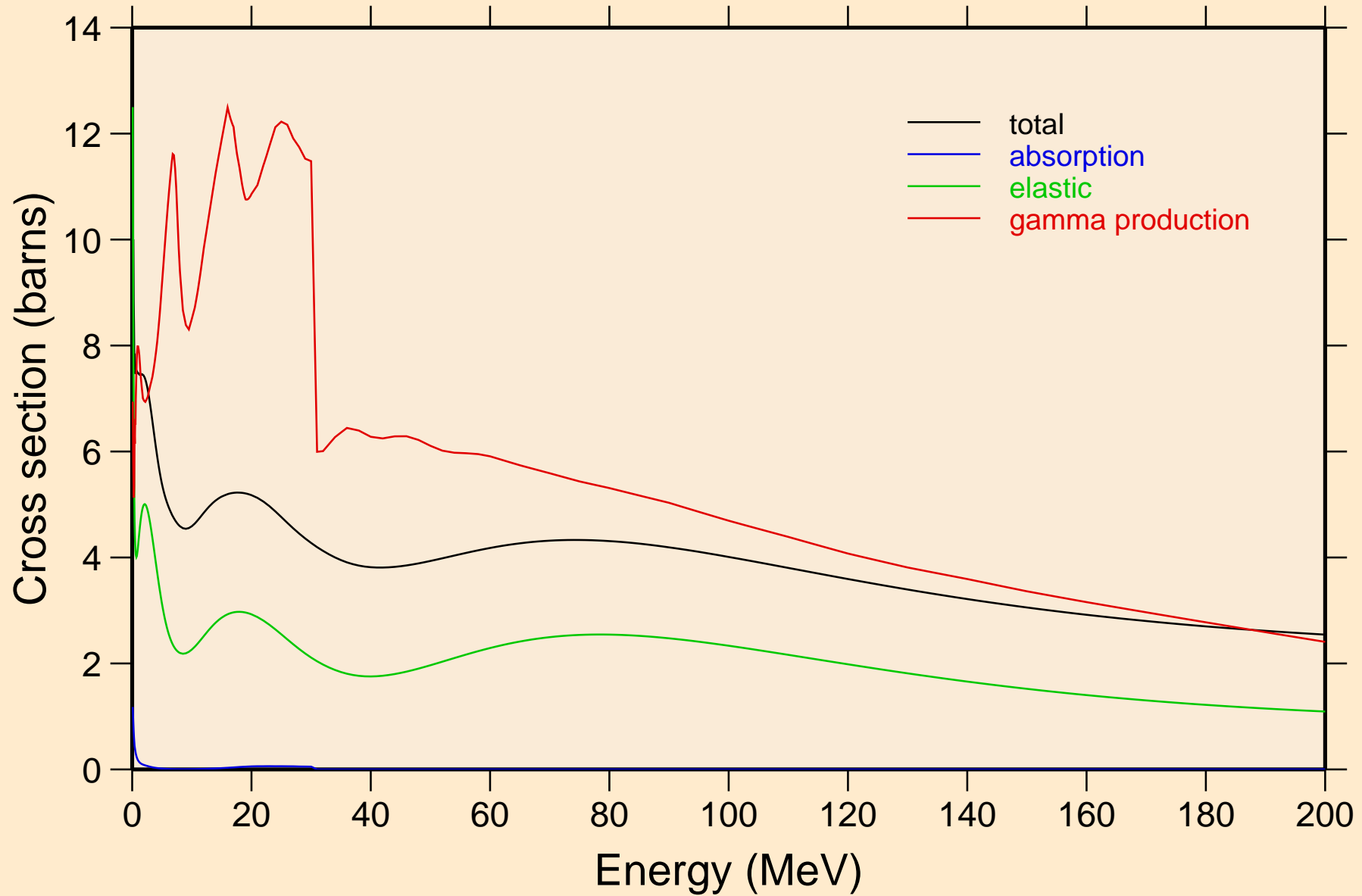


ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



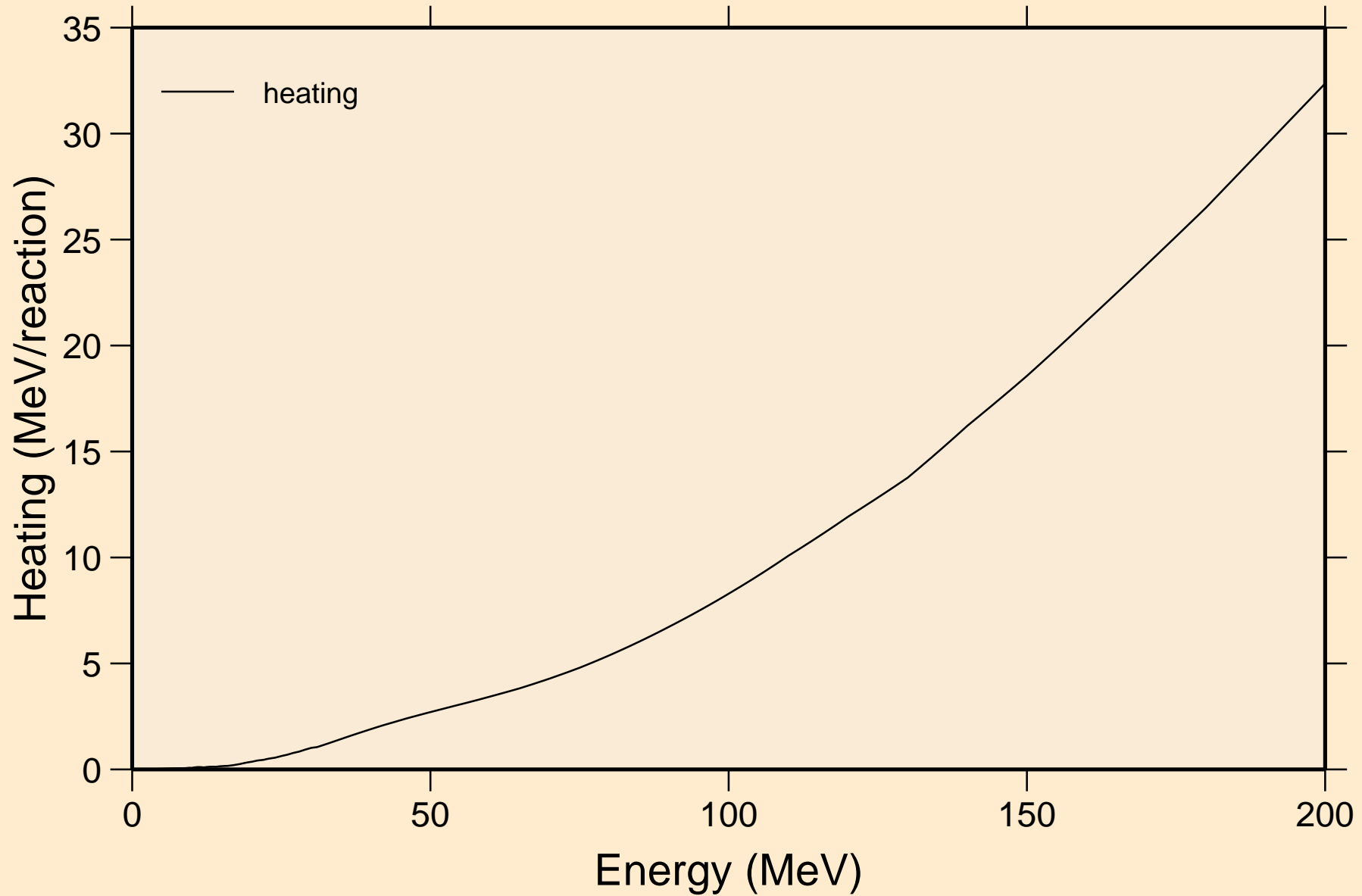
# ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



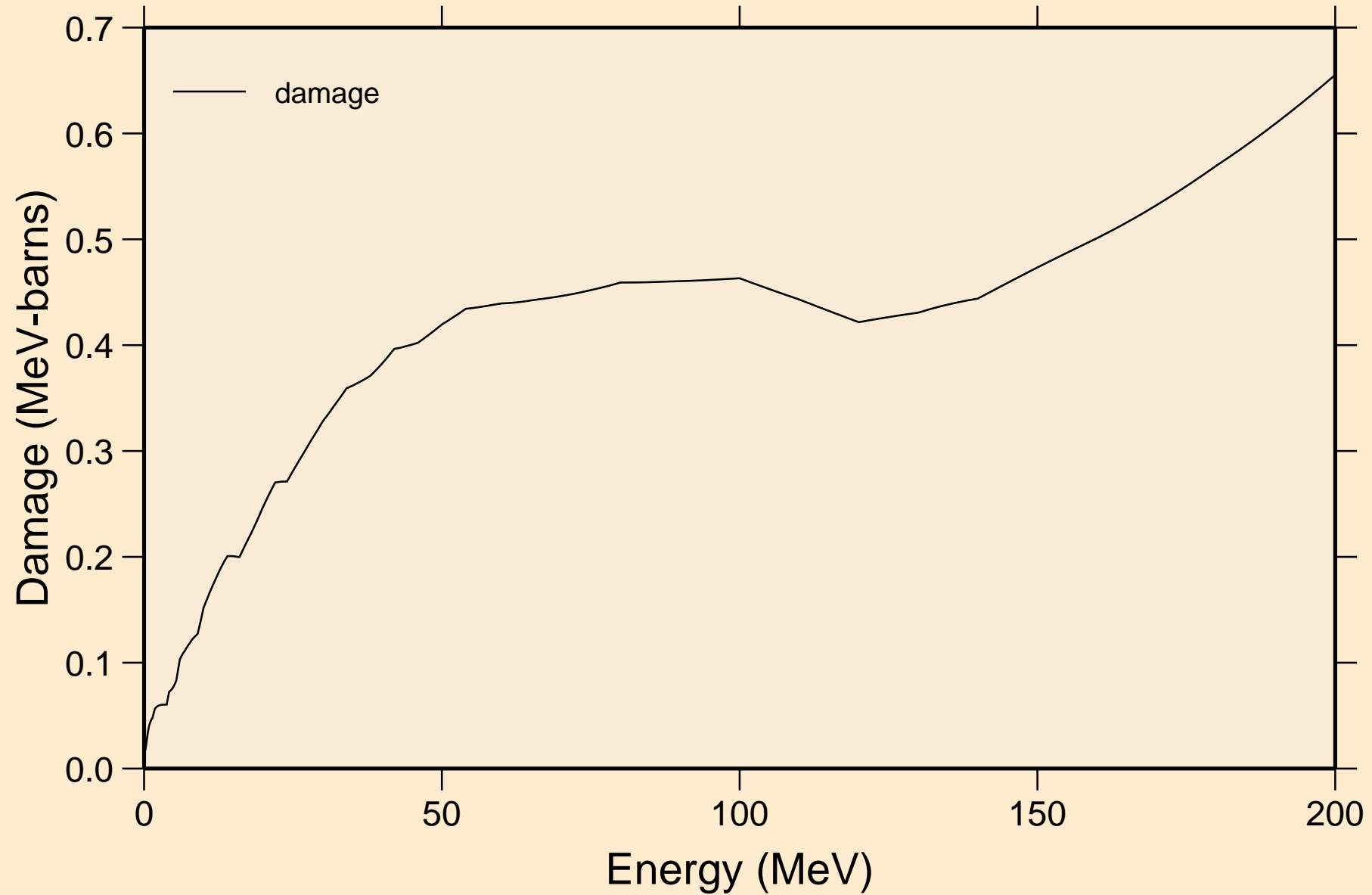
# ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



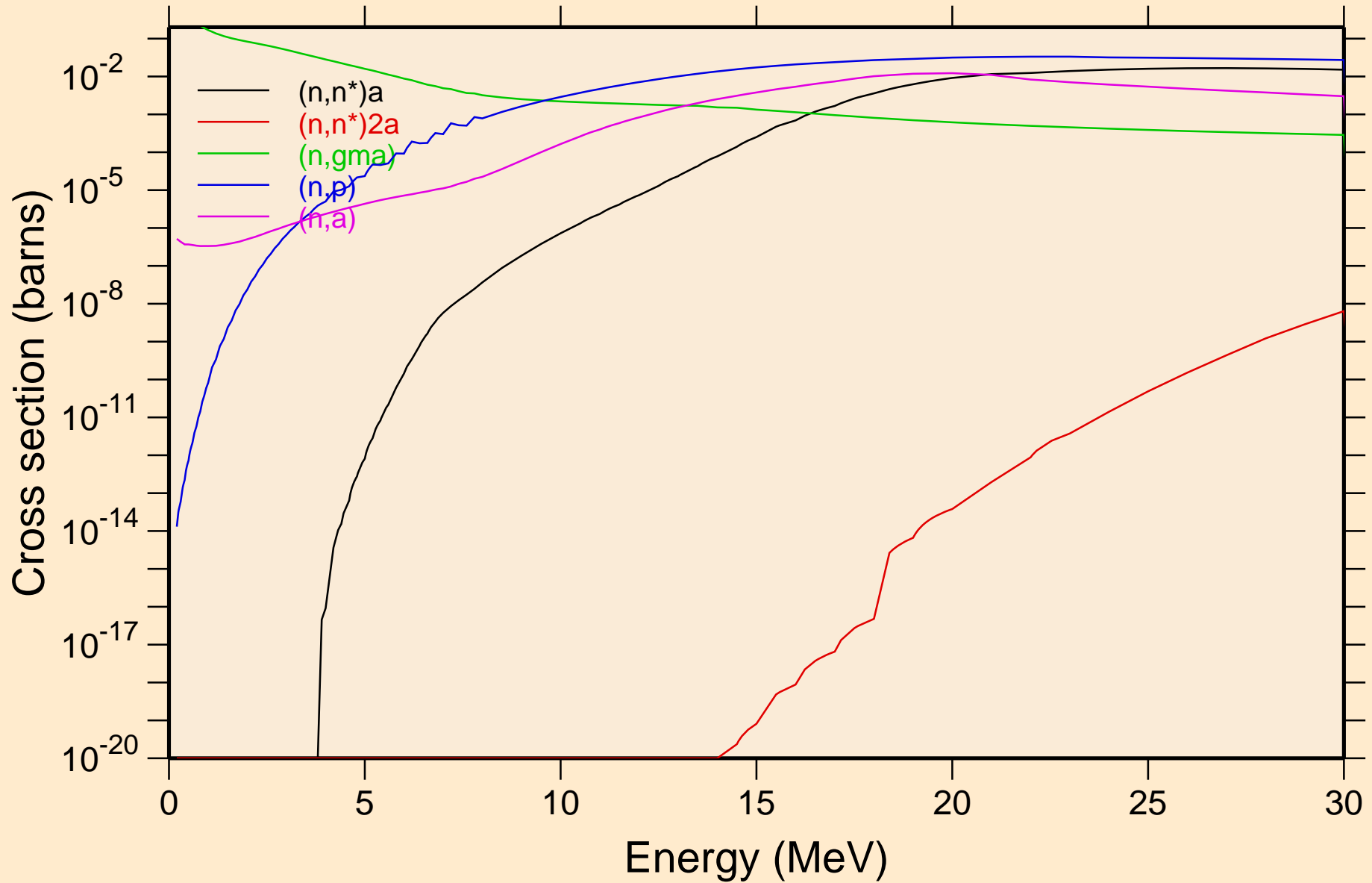
# ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage

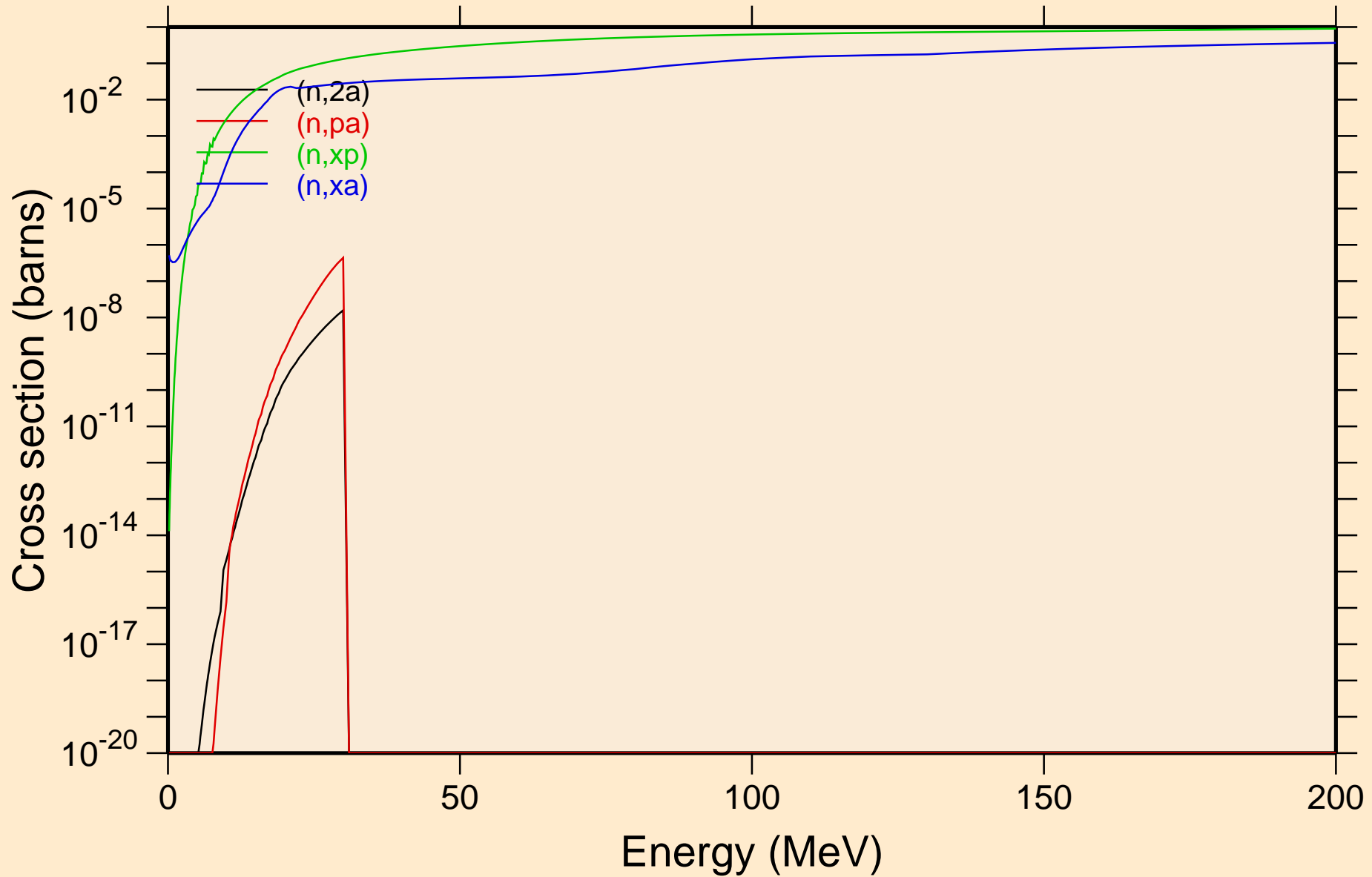




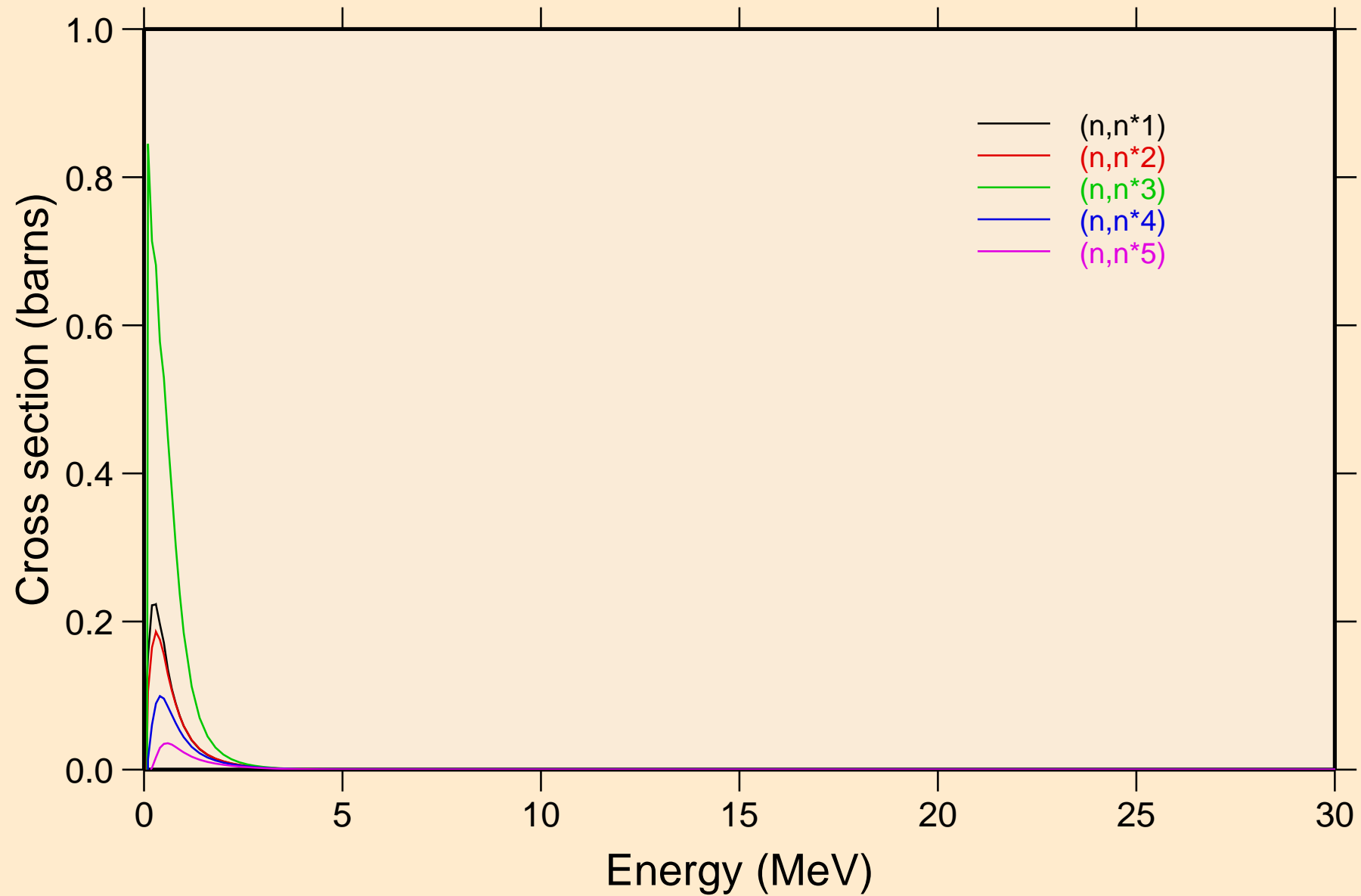
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



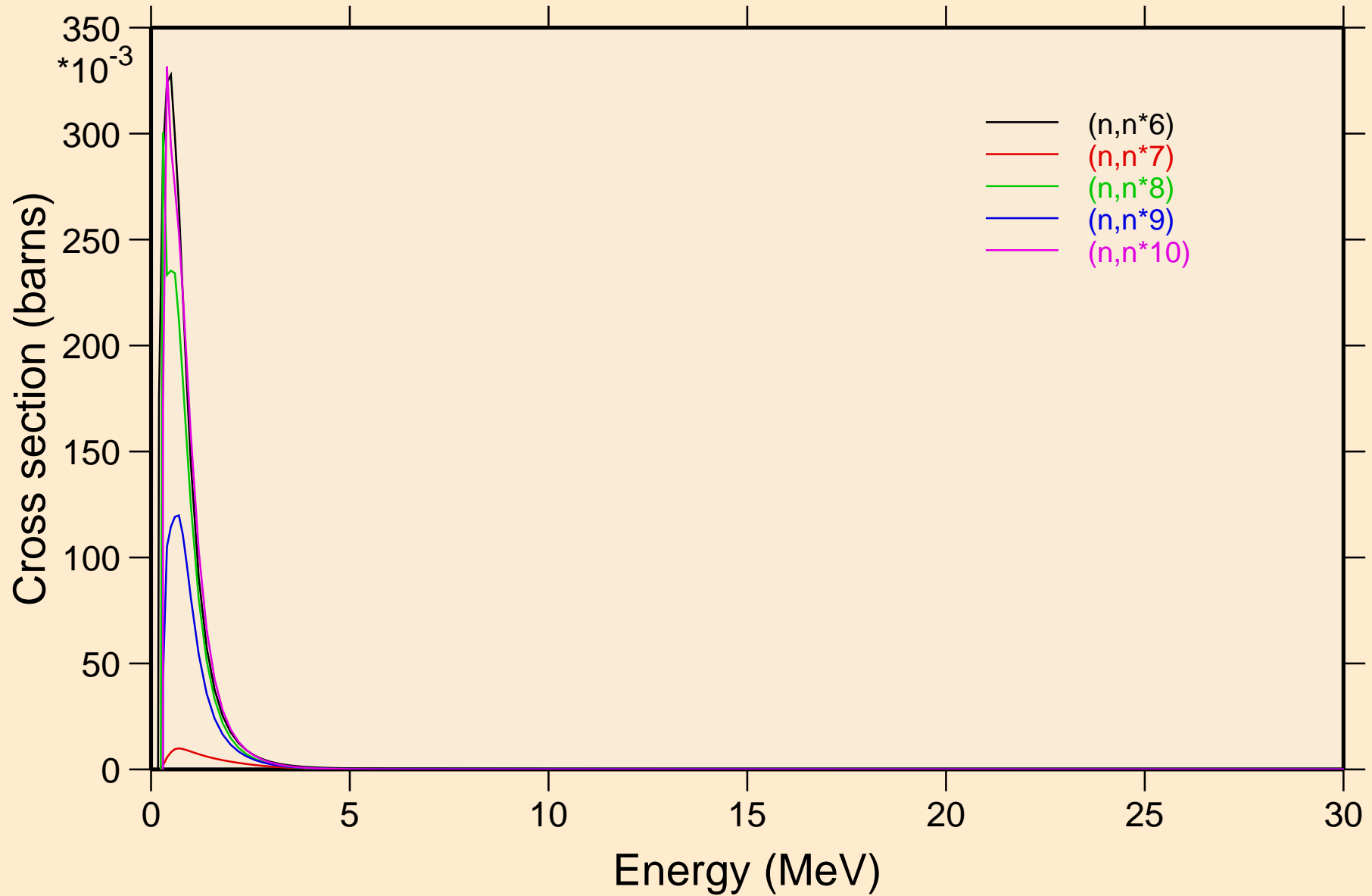
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



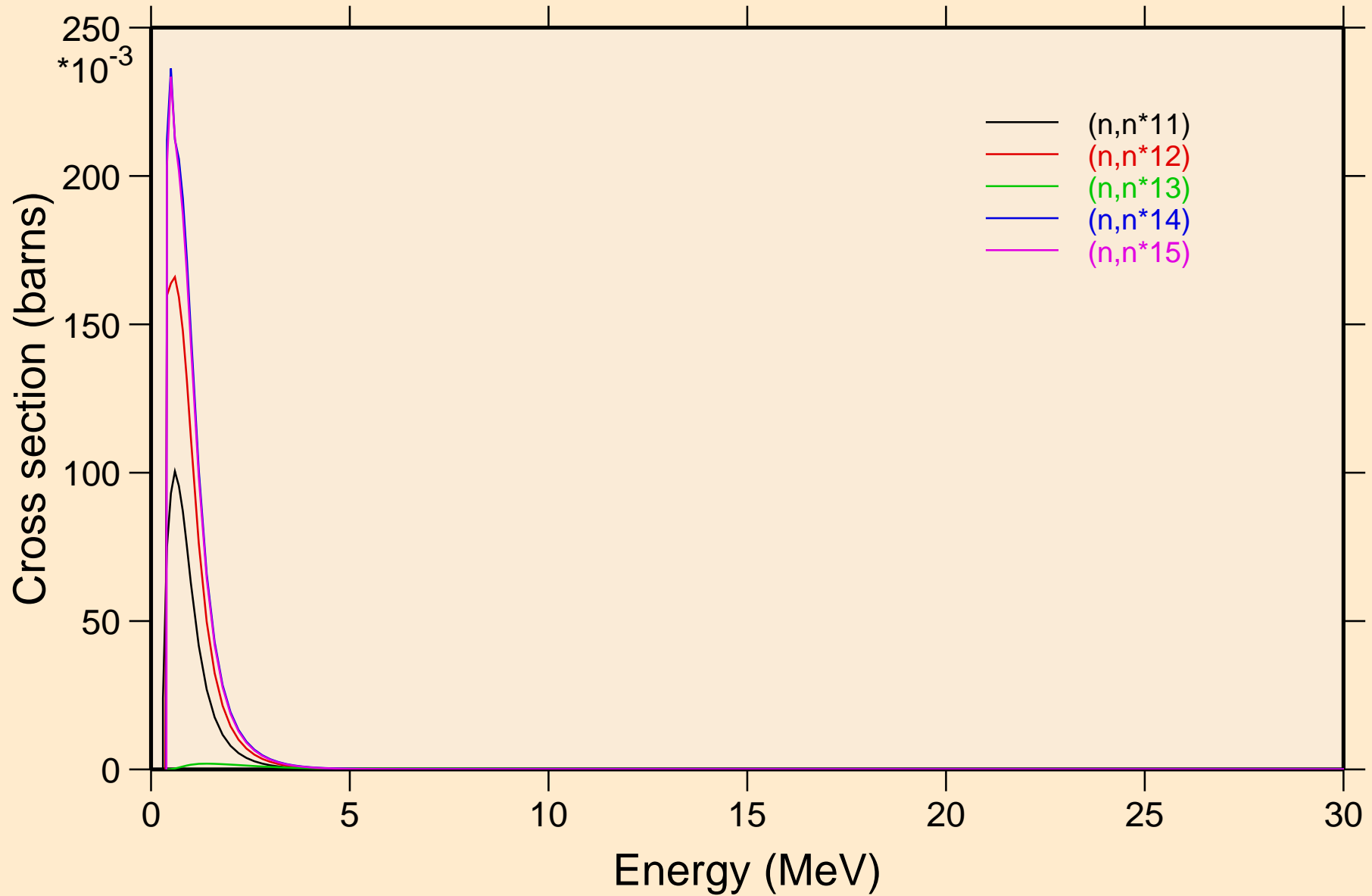
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

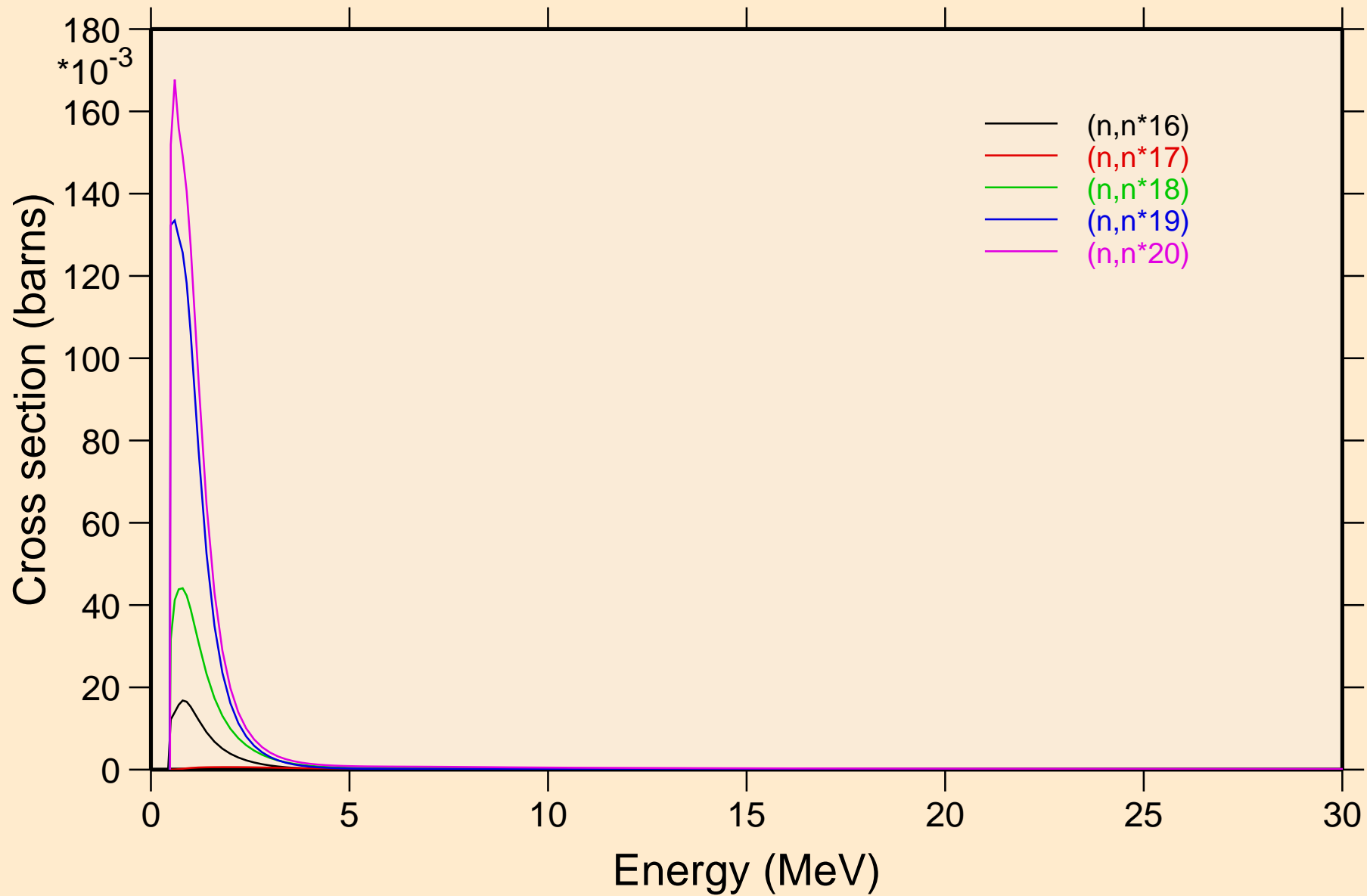


ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

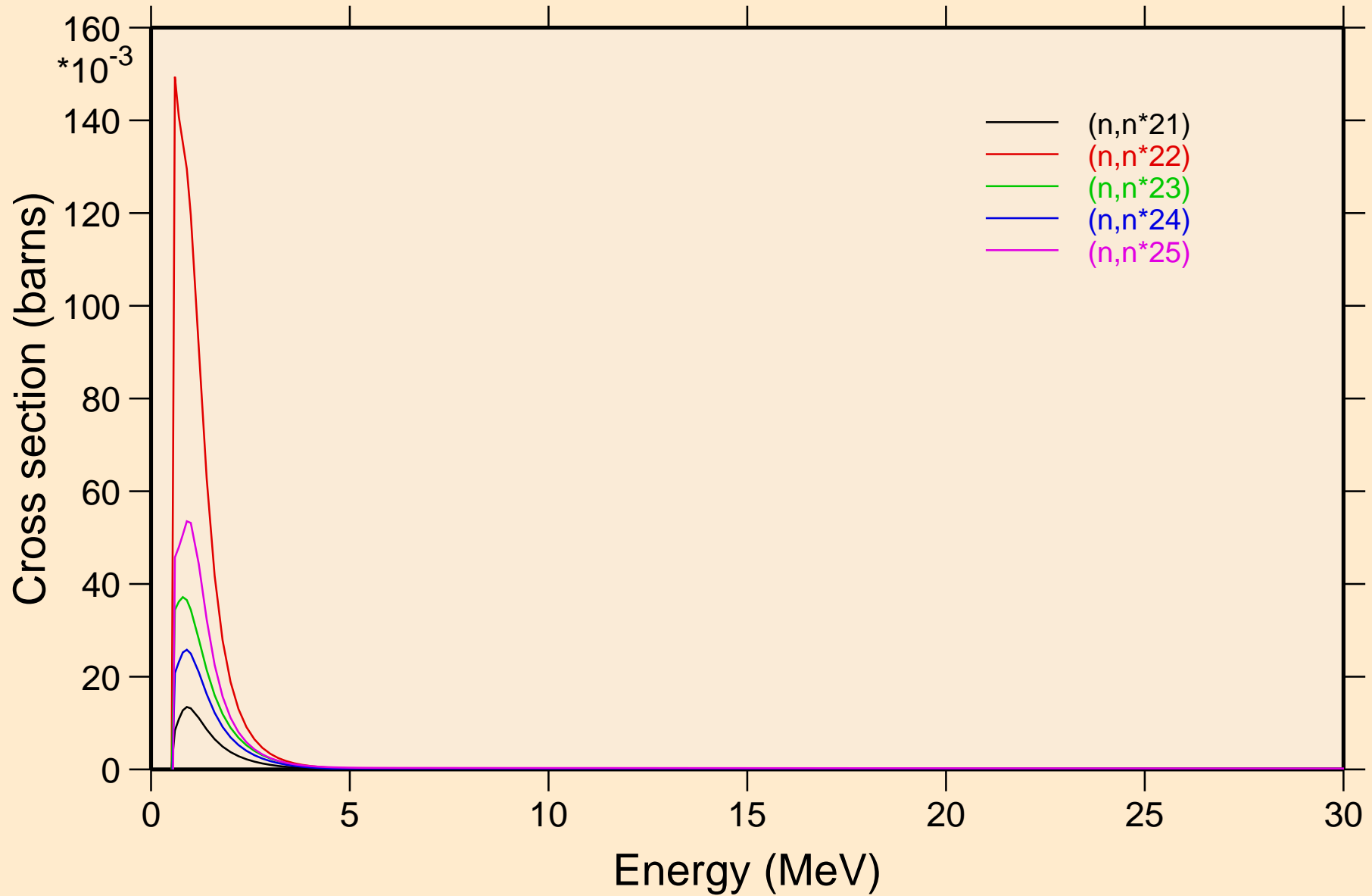


# ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

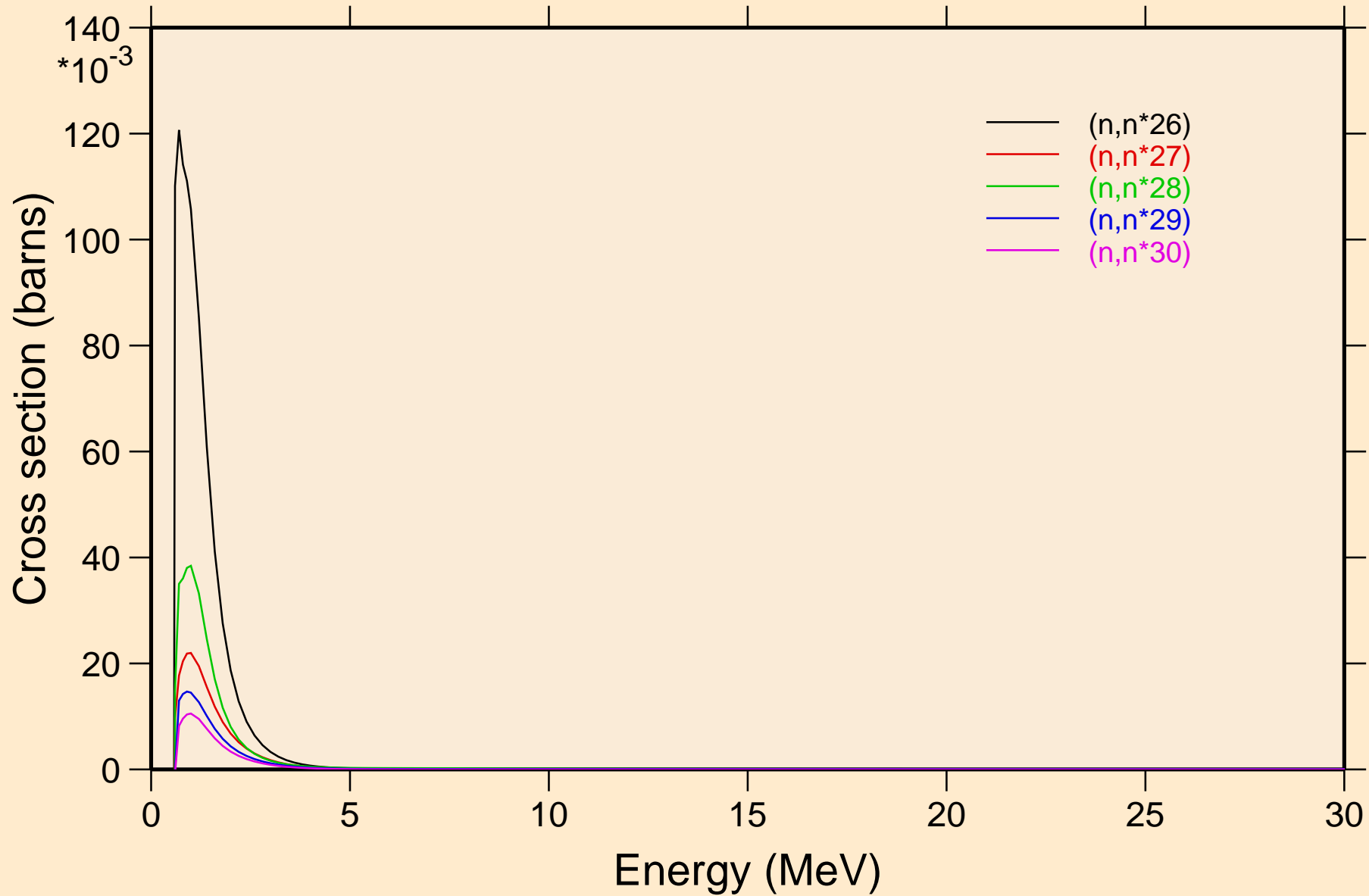
## Inelastic levels



ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



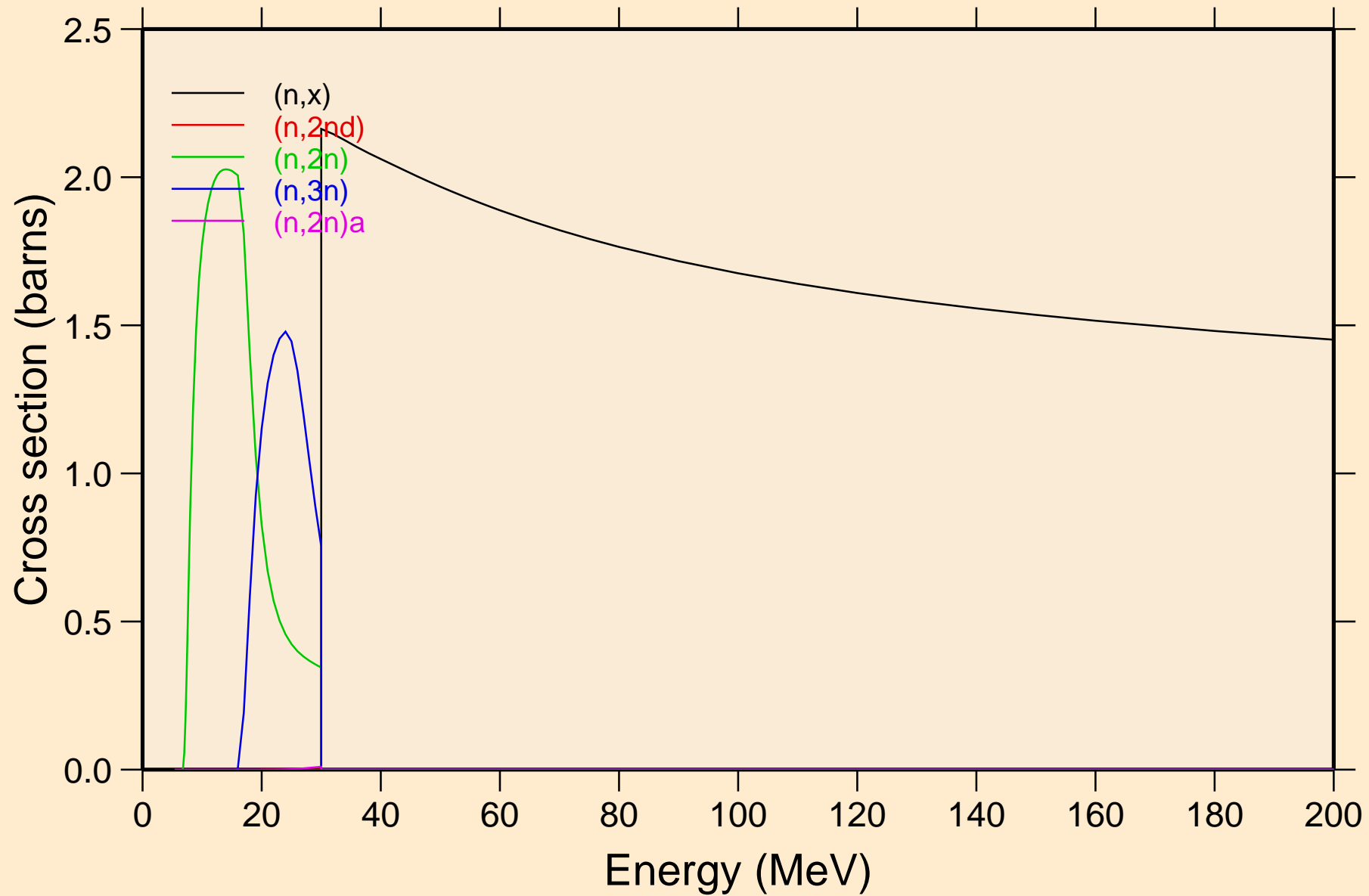
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



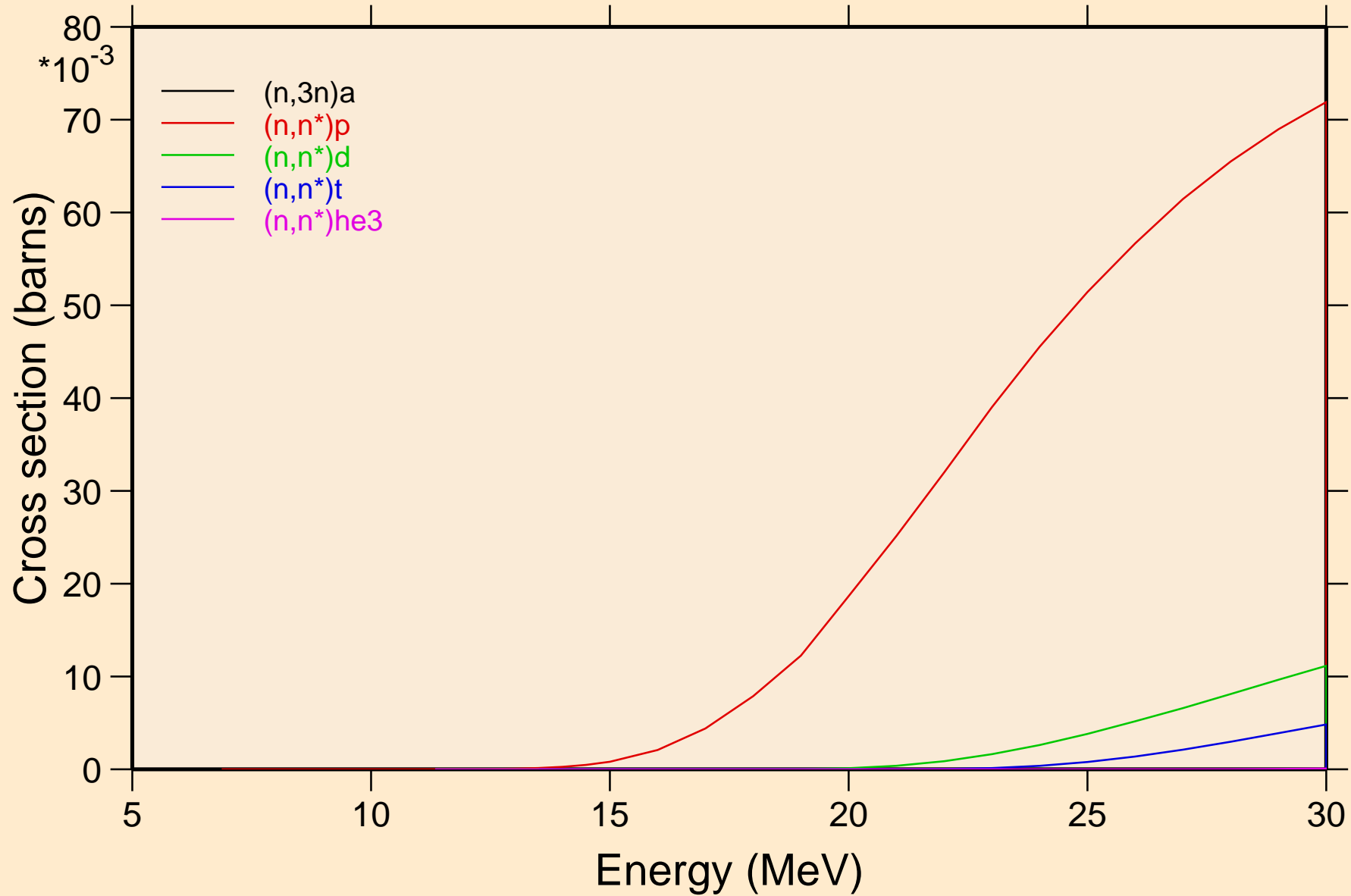


# ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

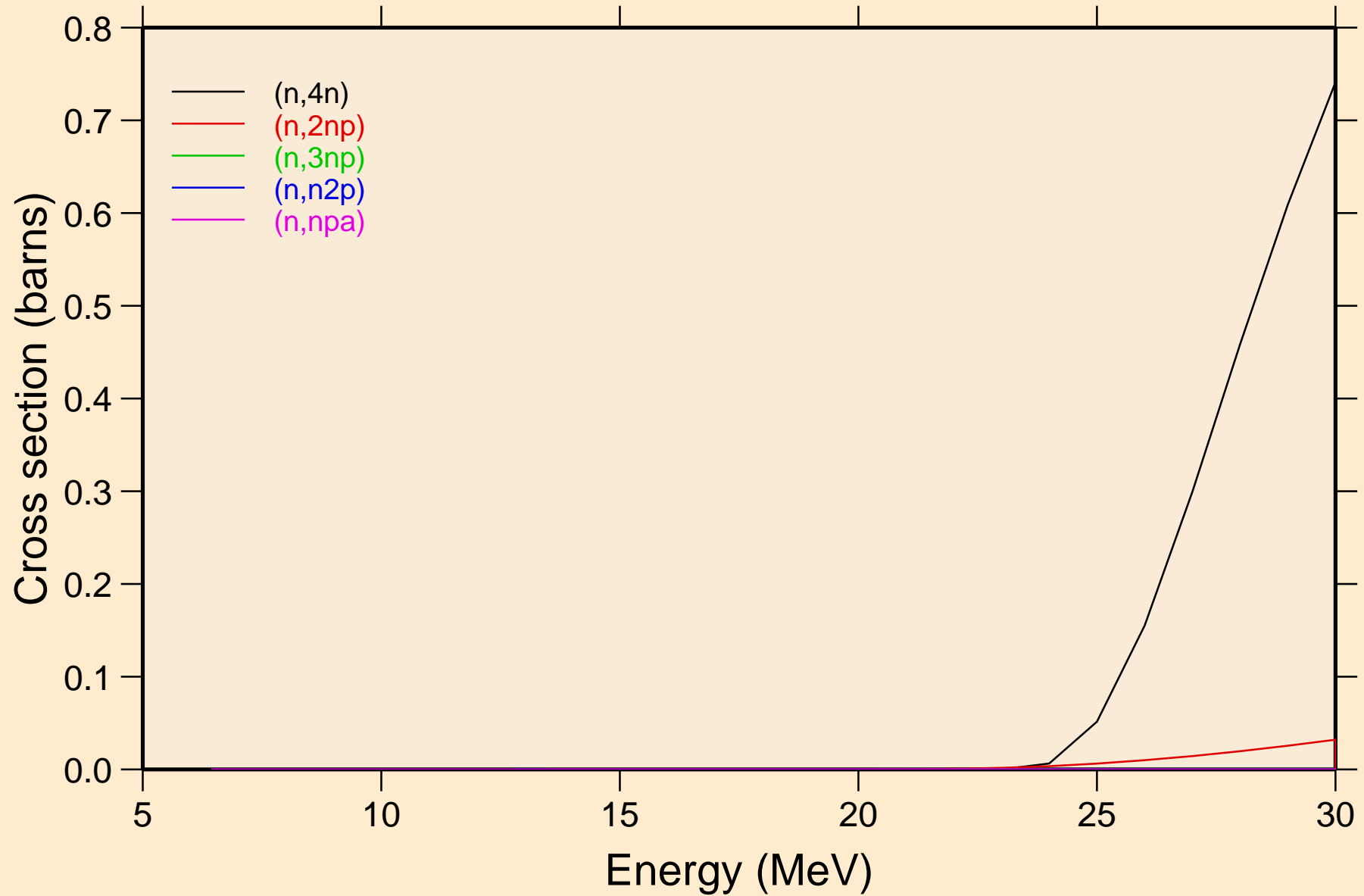
## Threshold reactions



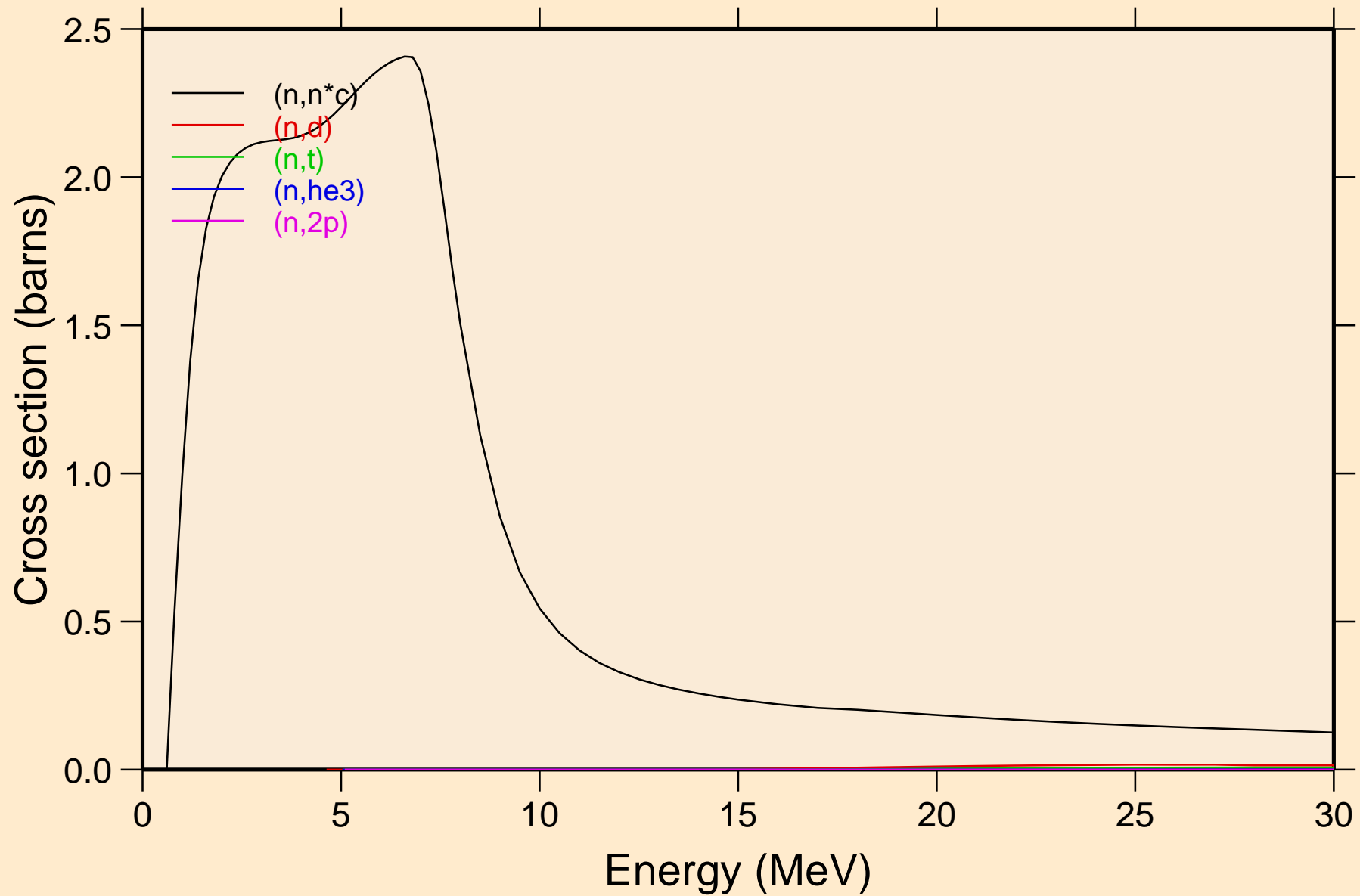
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



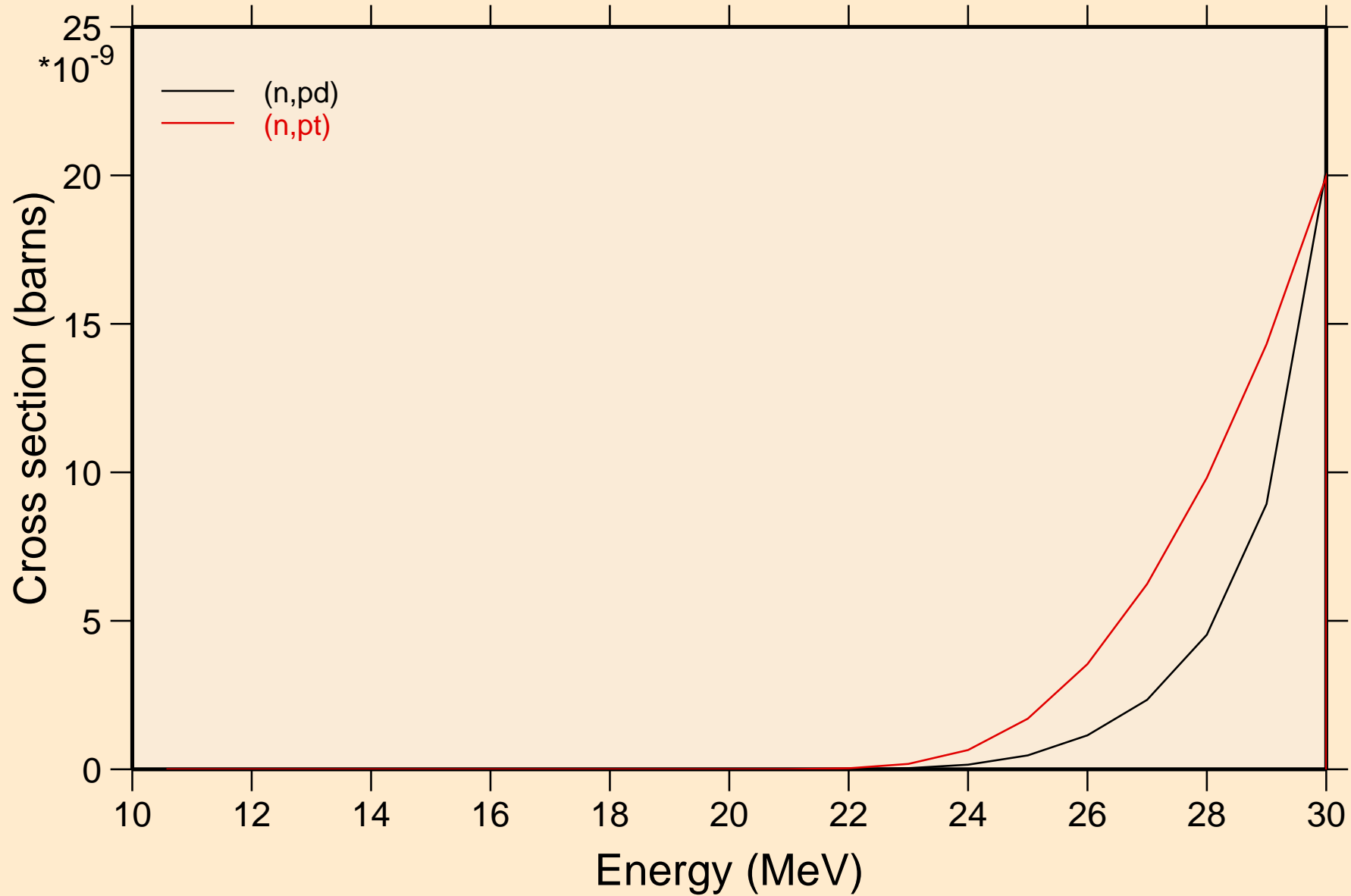
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

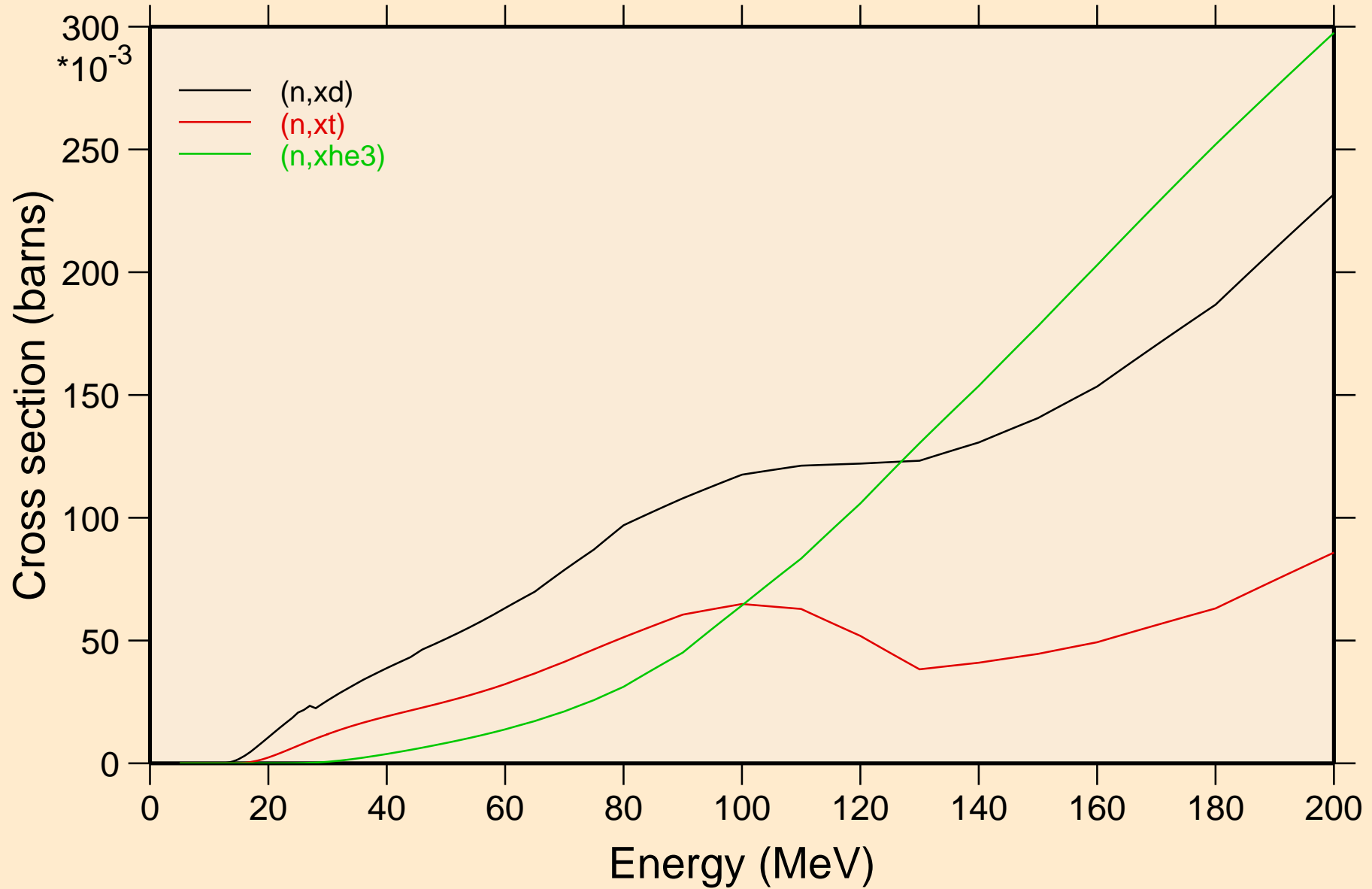


ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

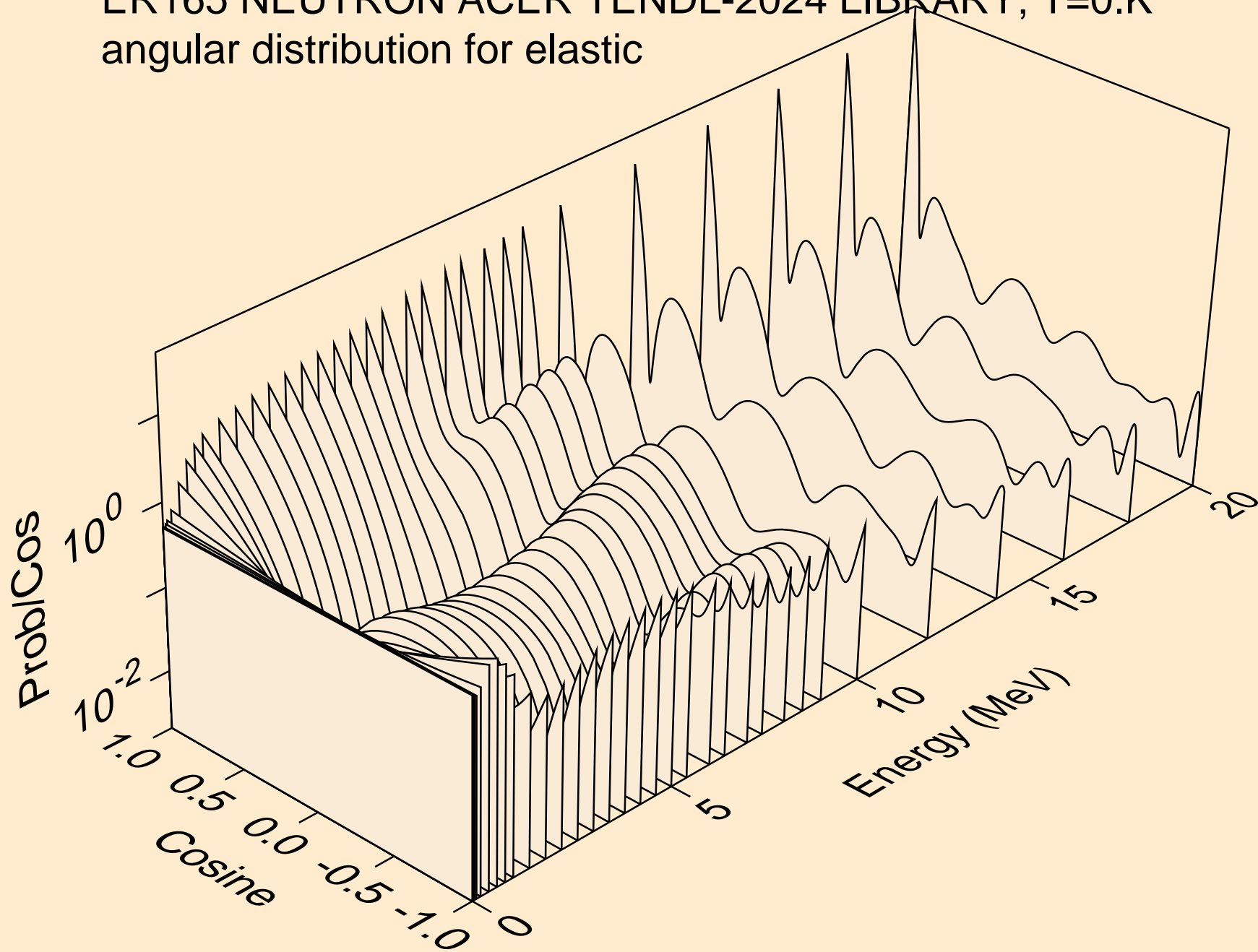


# ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

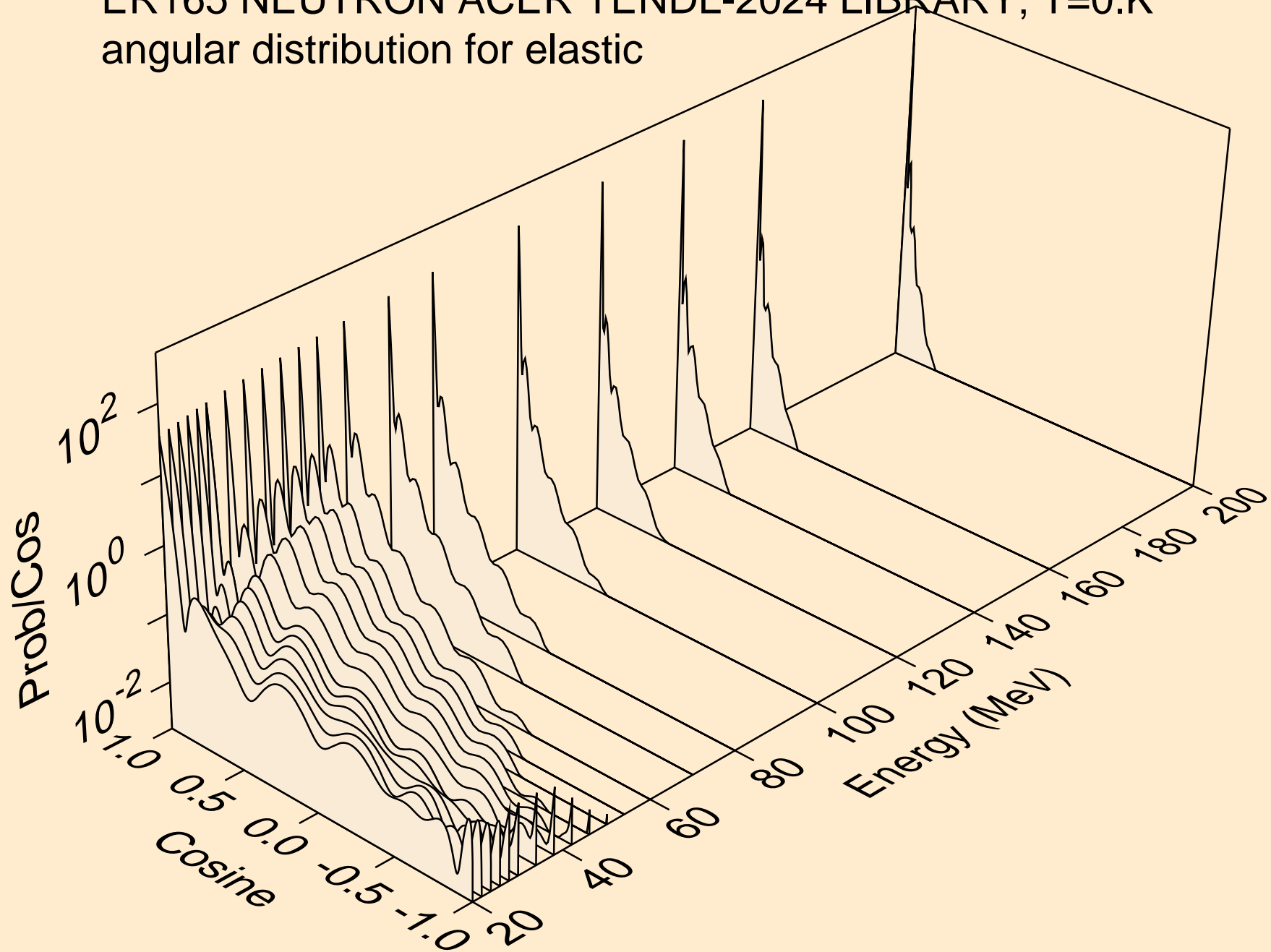
## Threshold reactions



ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

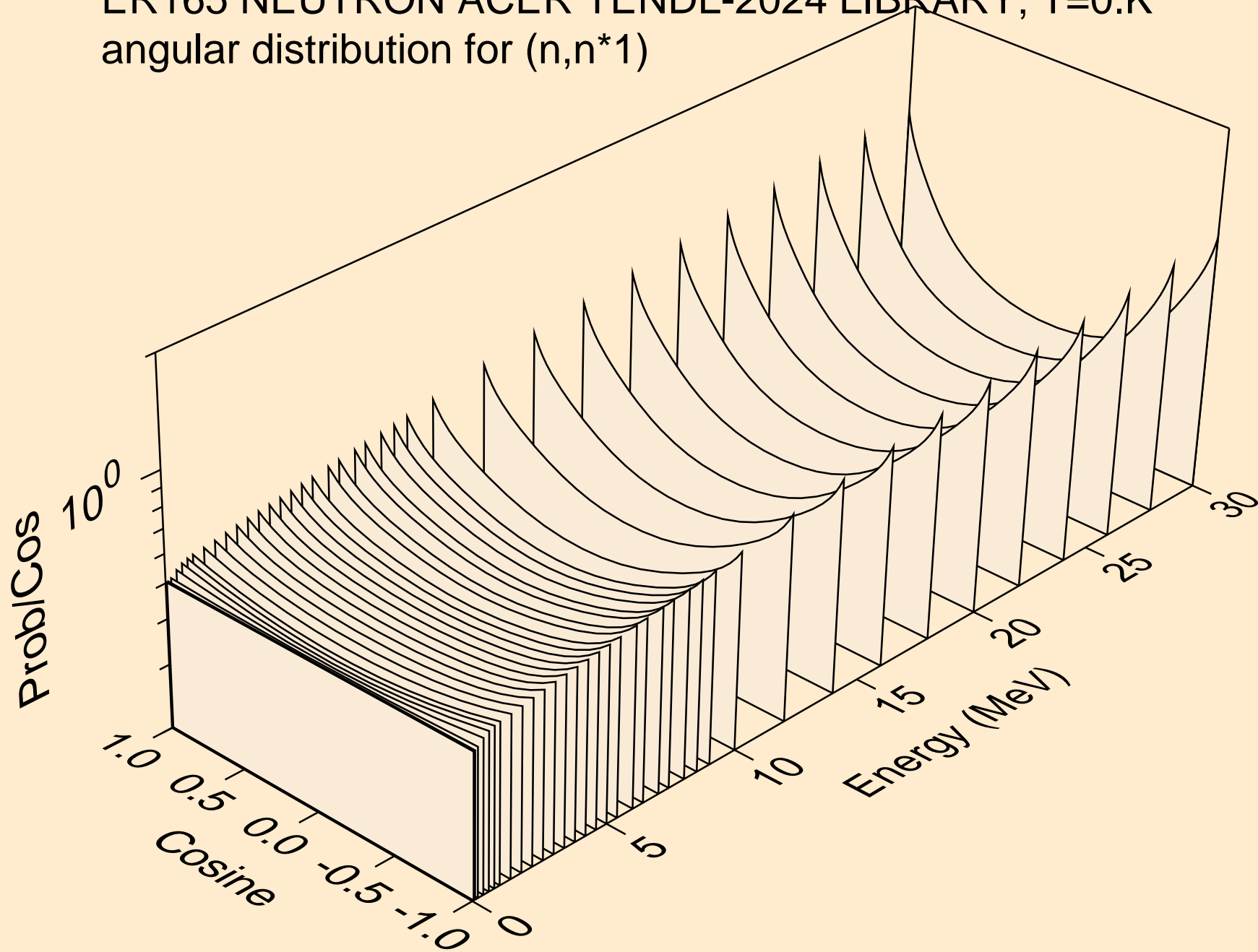


ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

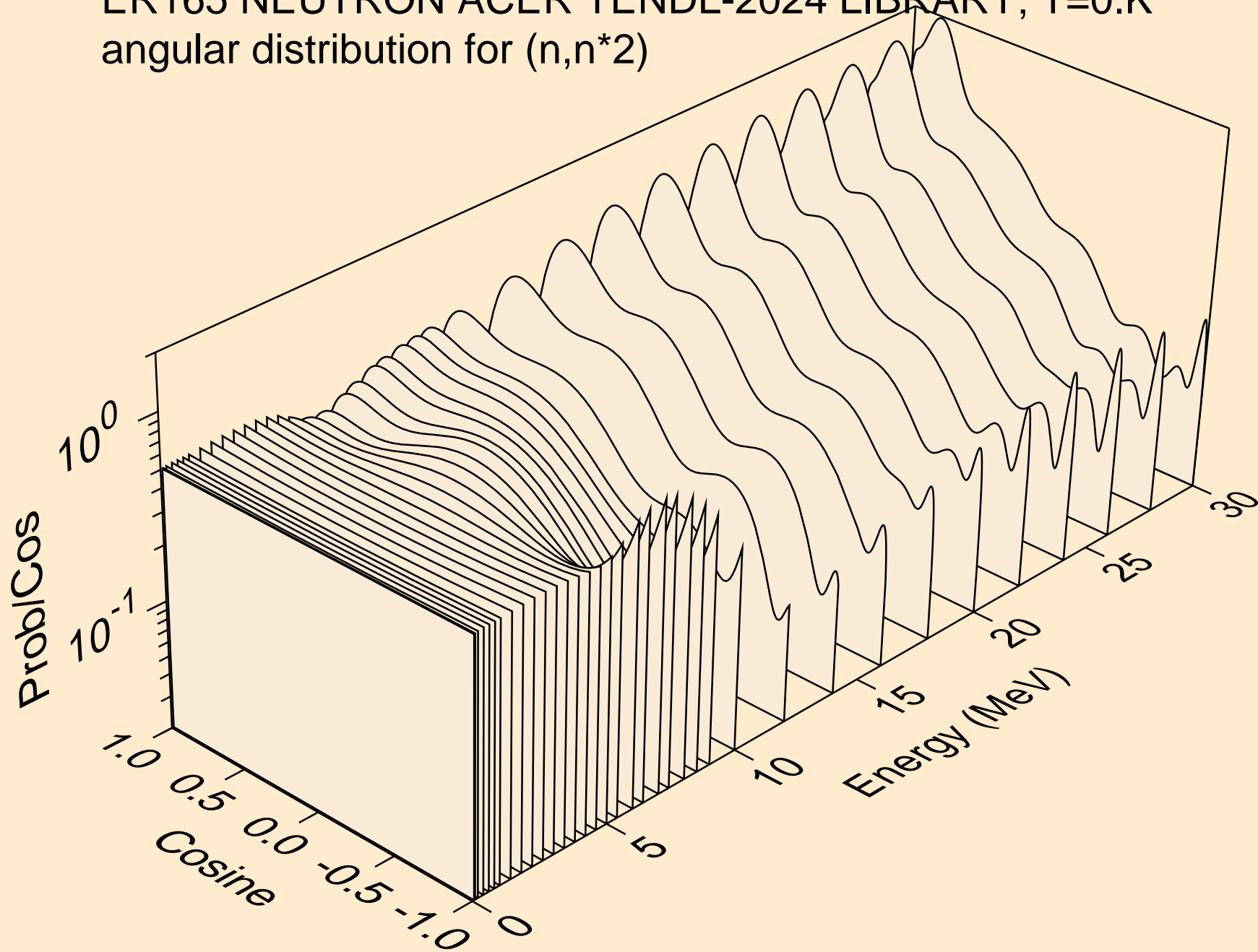




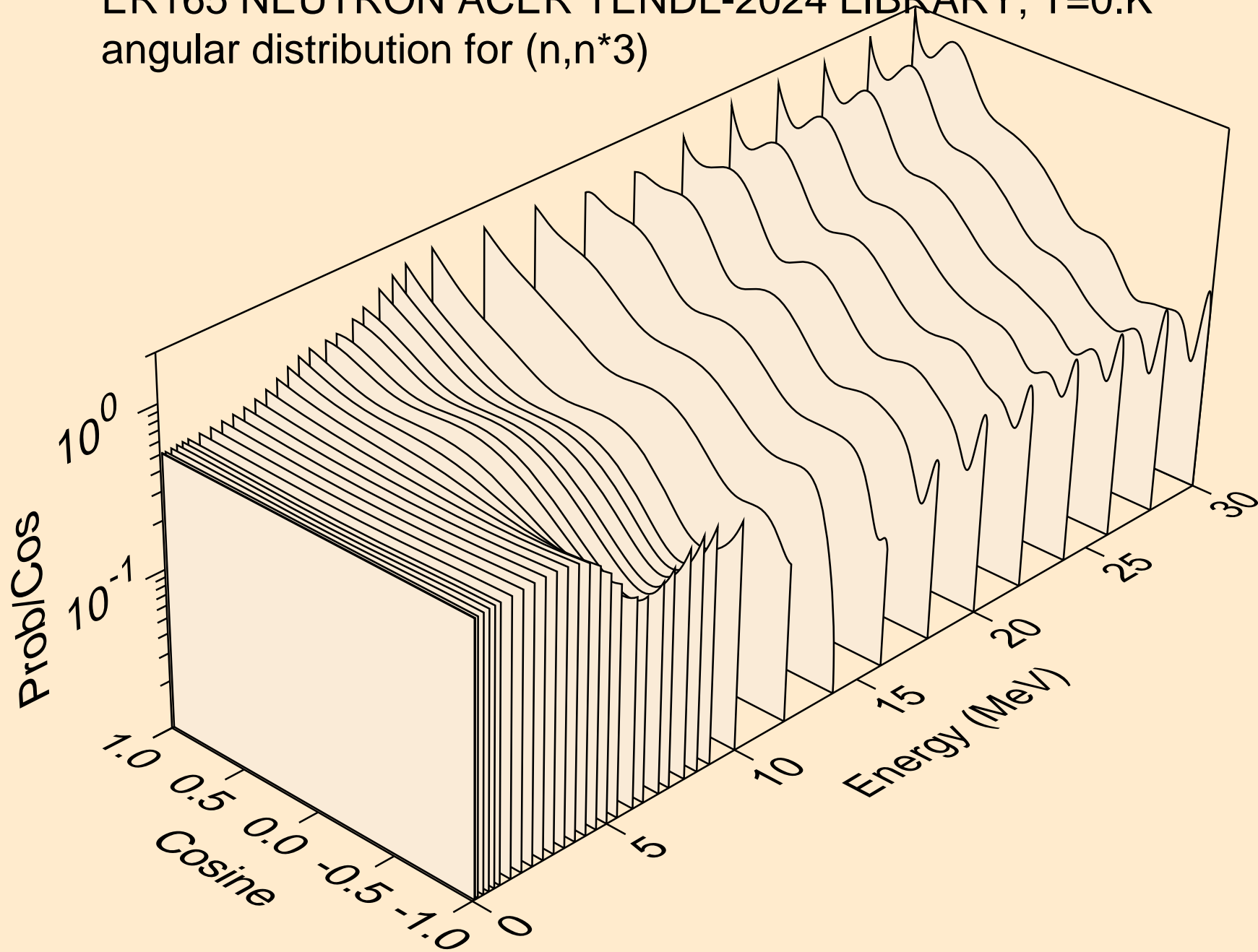
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



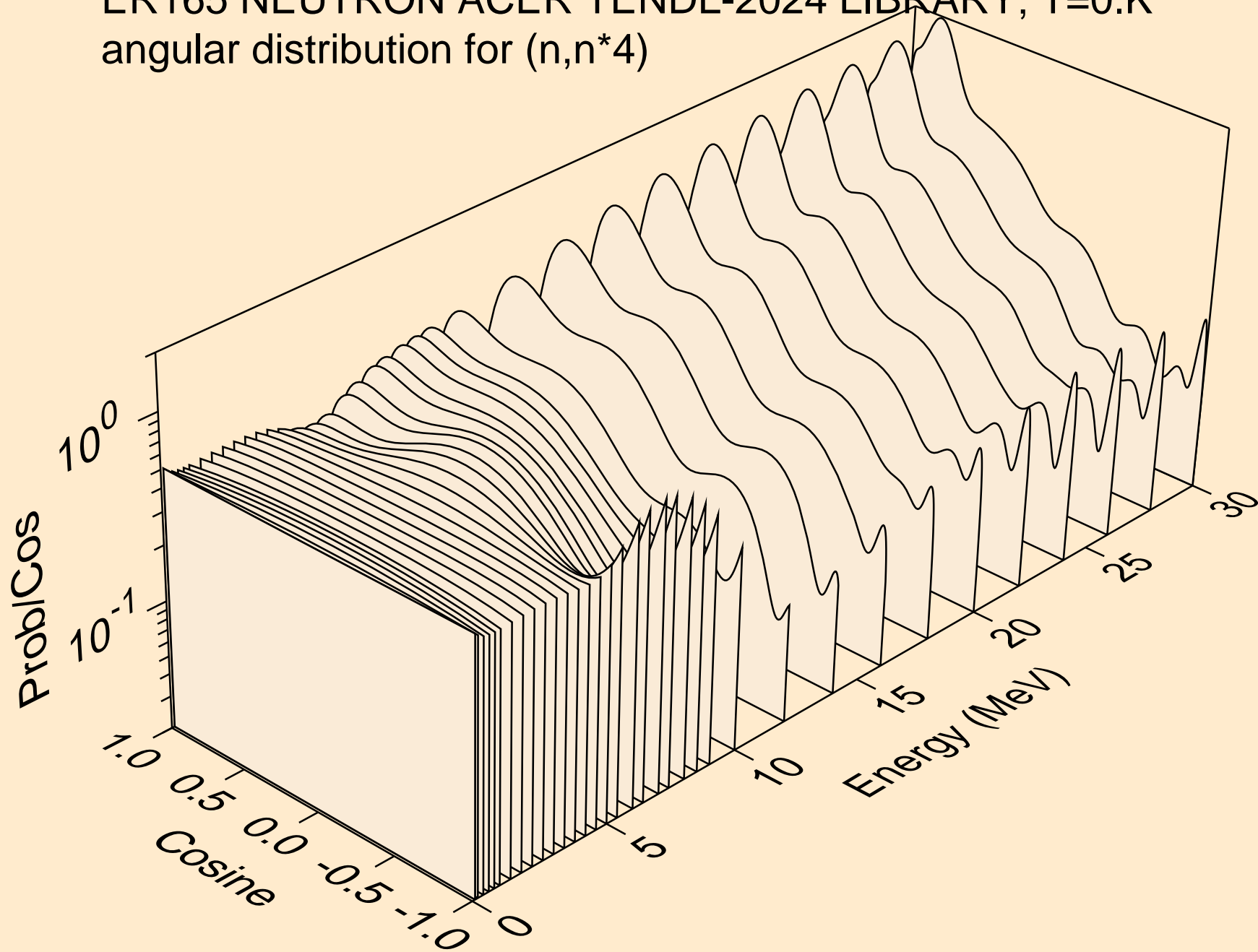
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



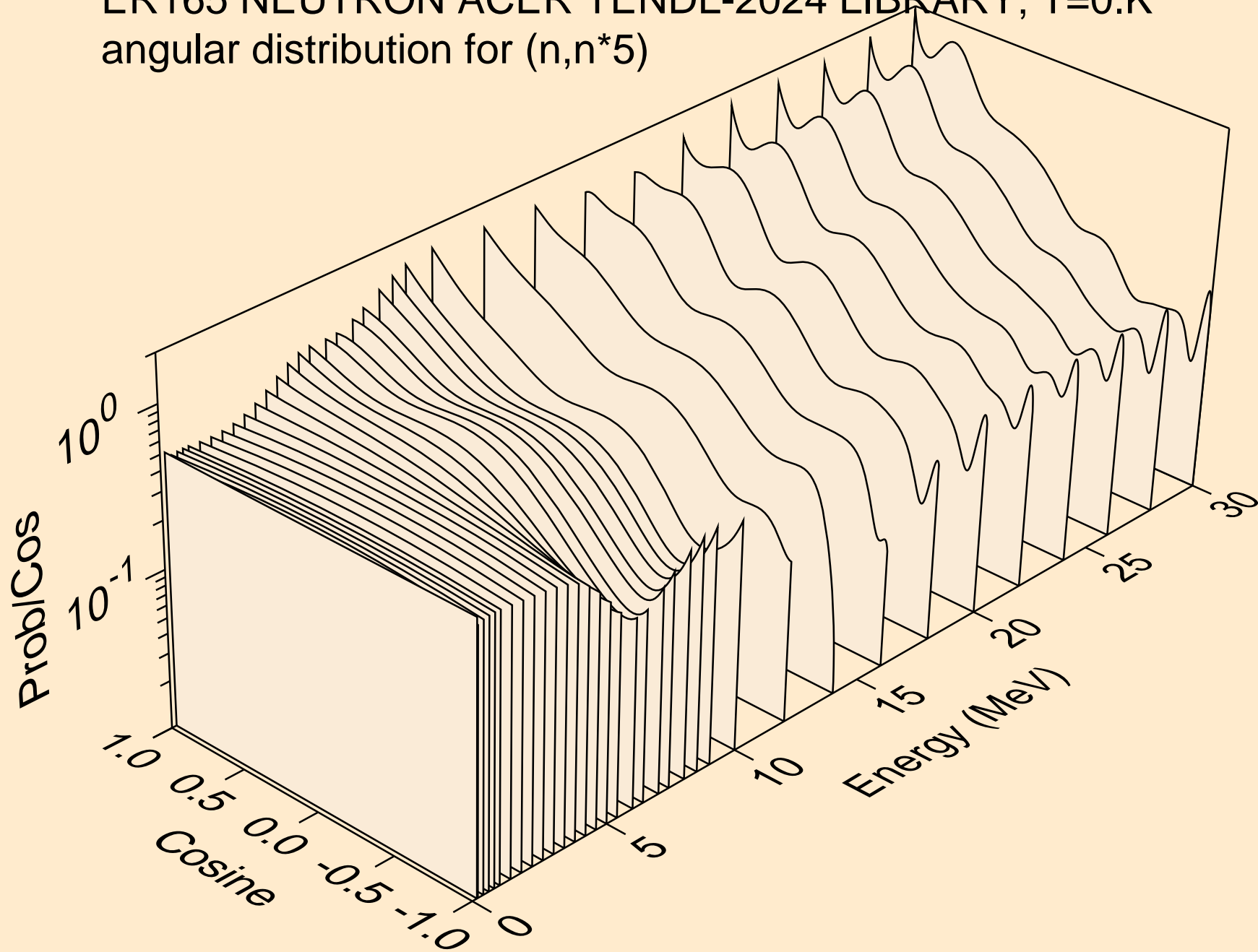
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



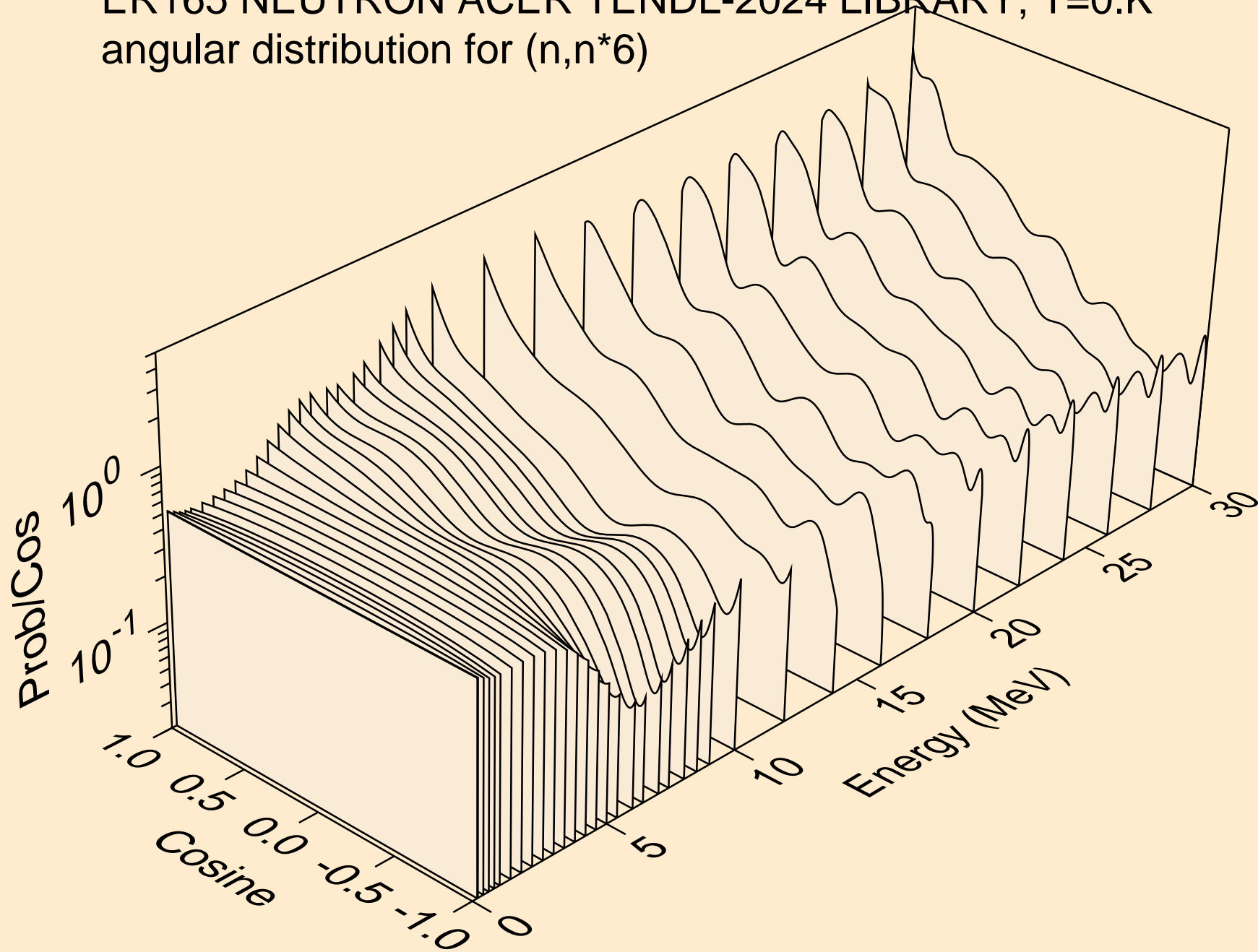
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



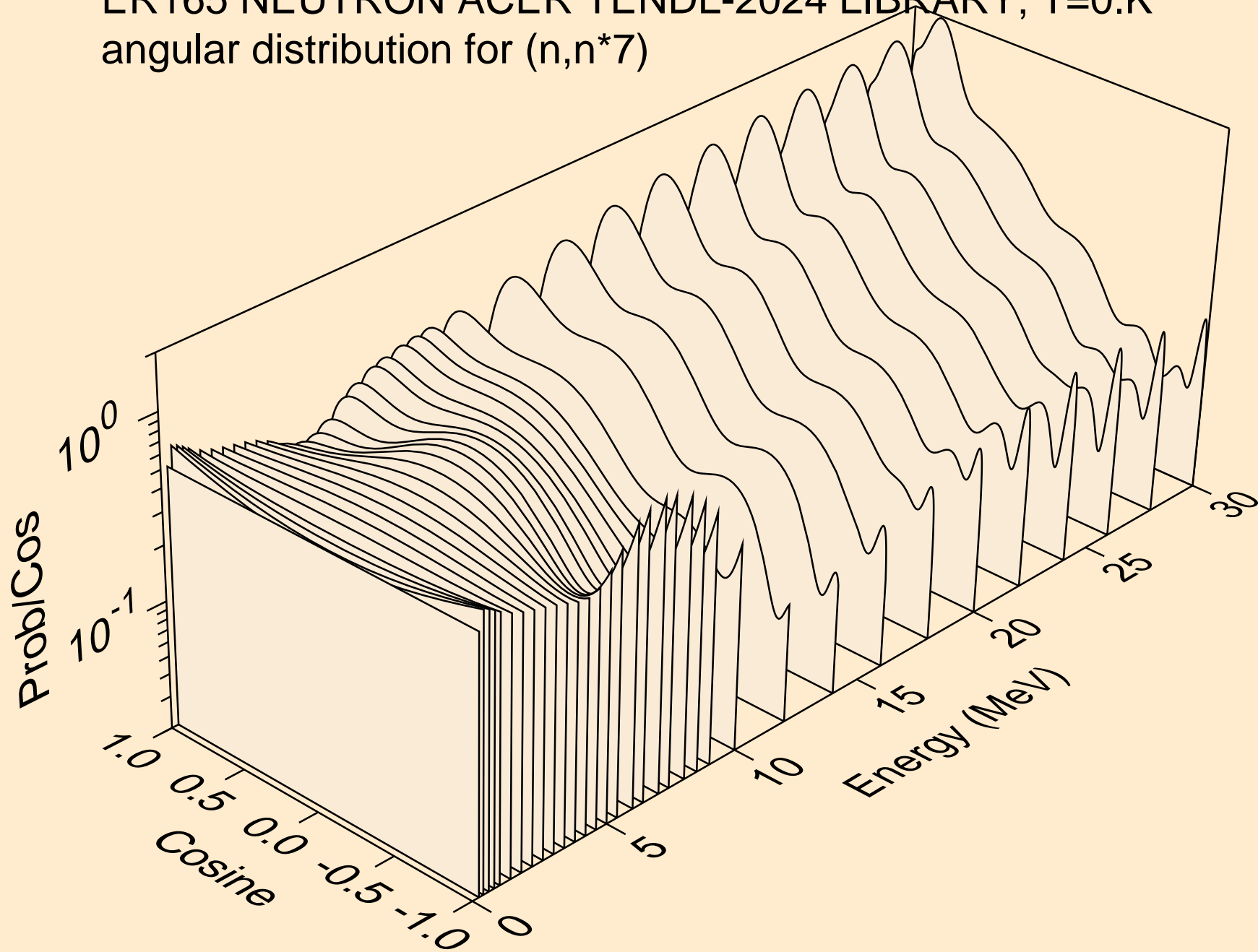
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)

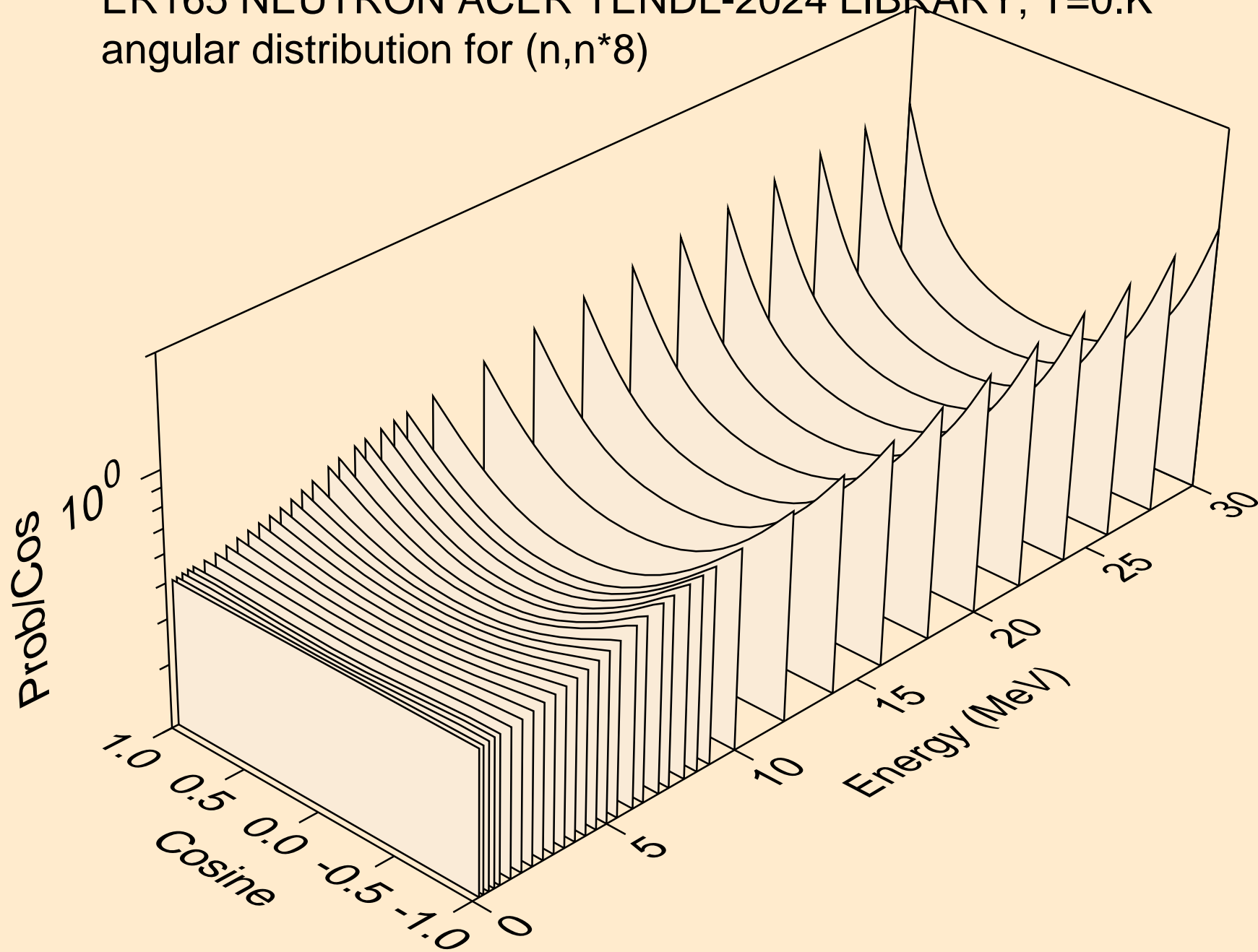


ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



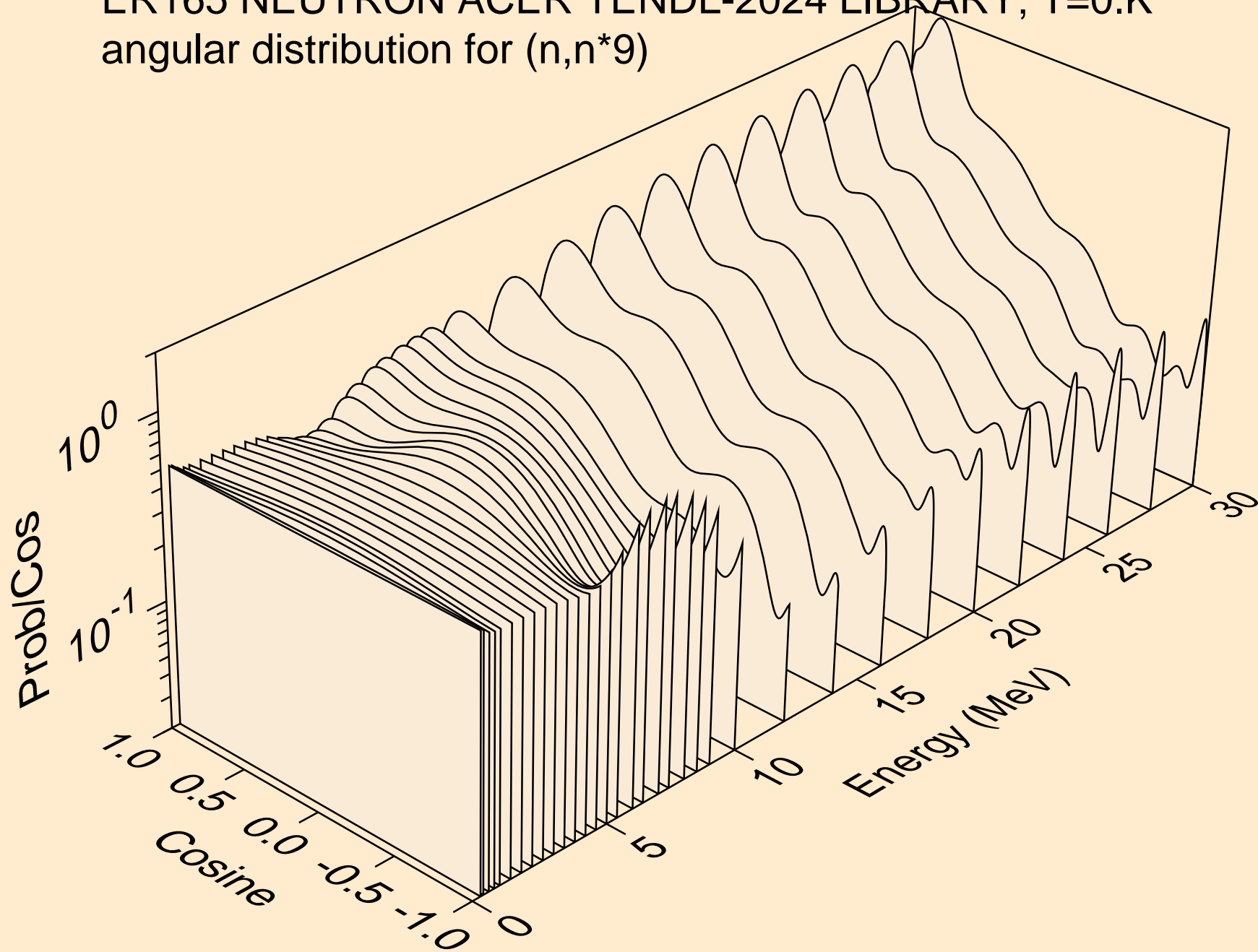


ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)

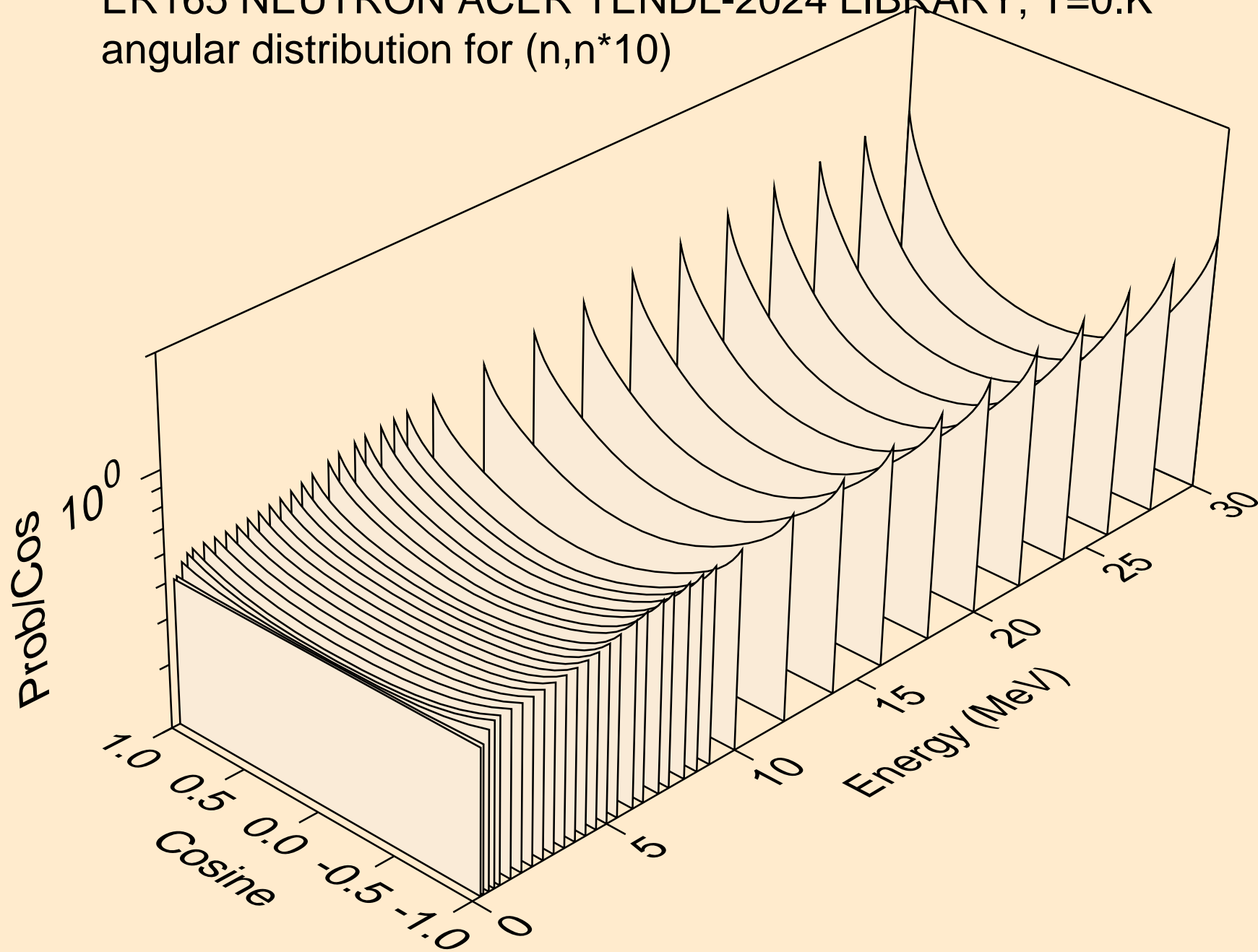




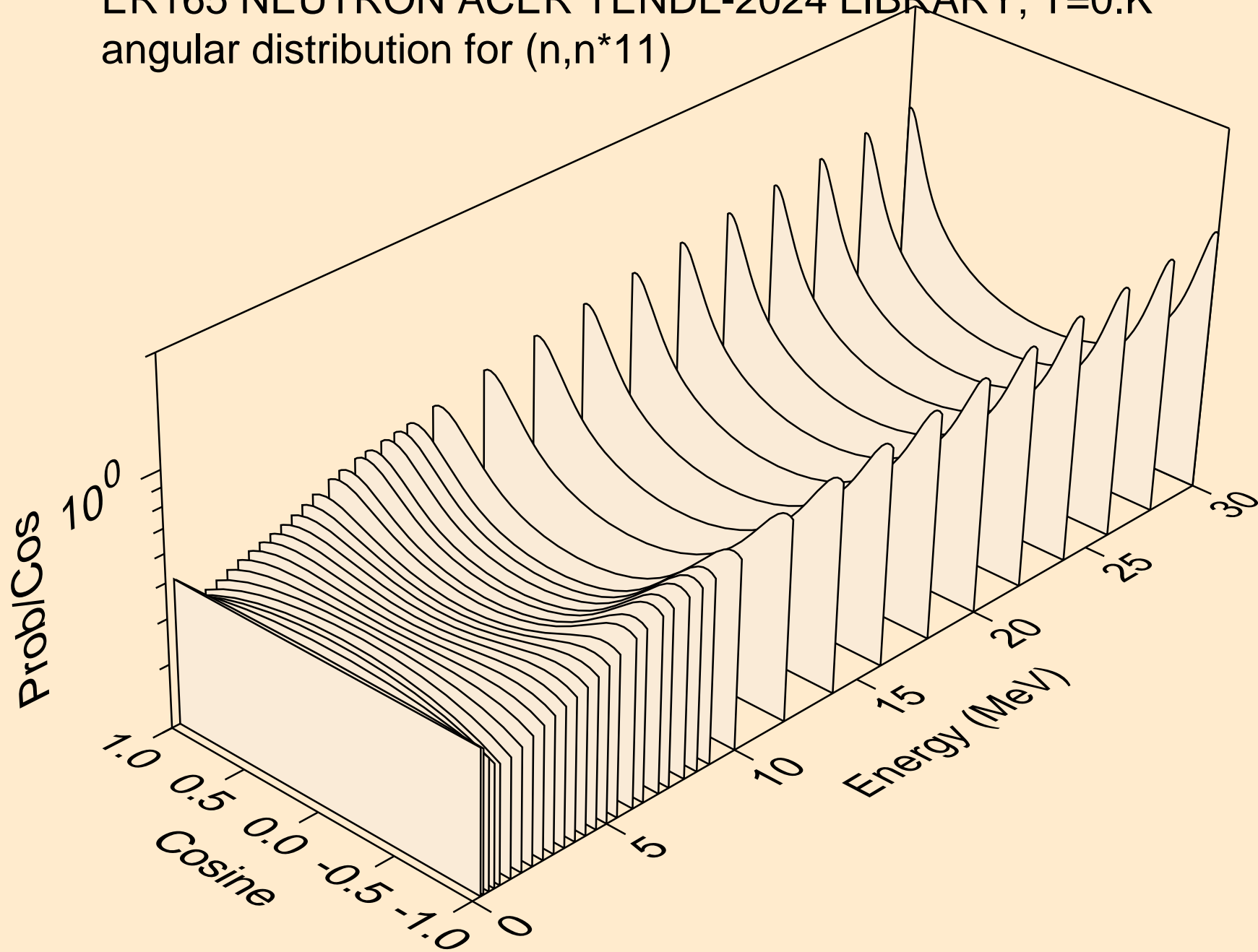
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



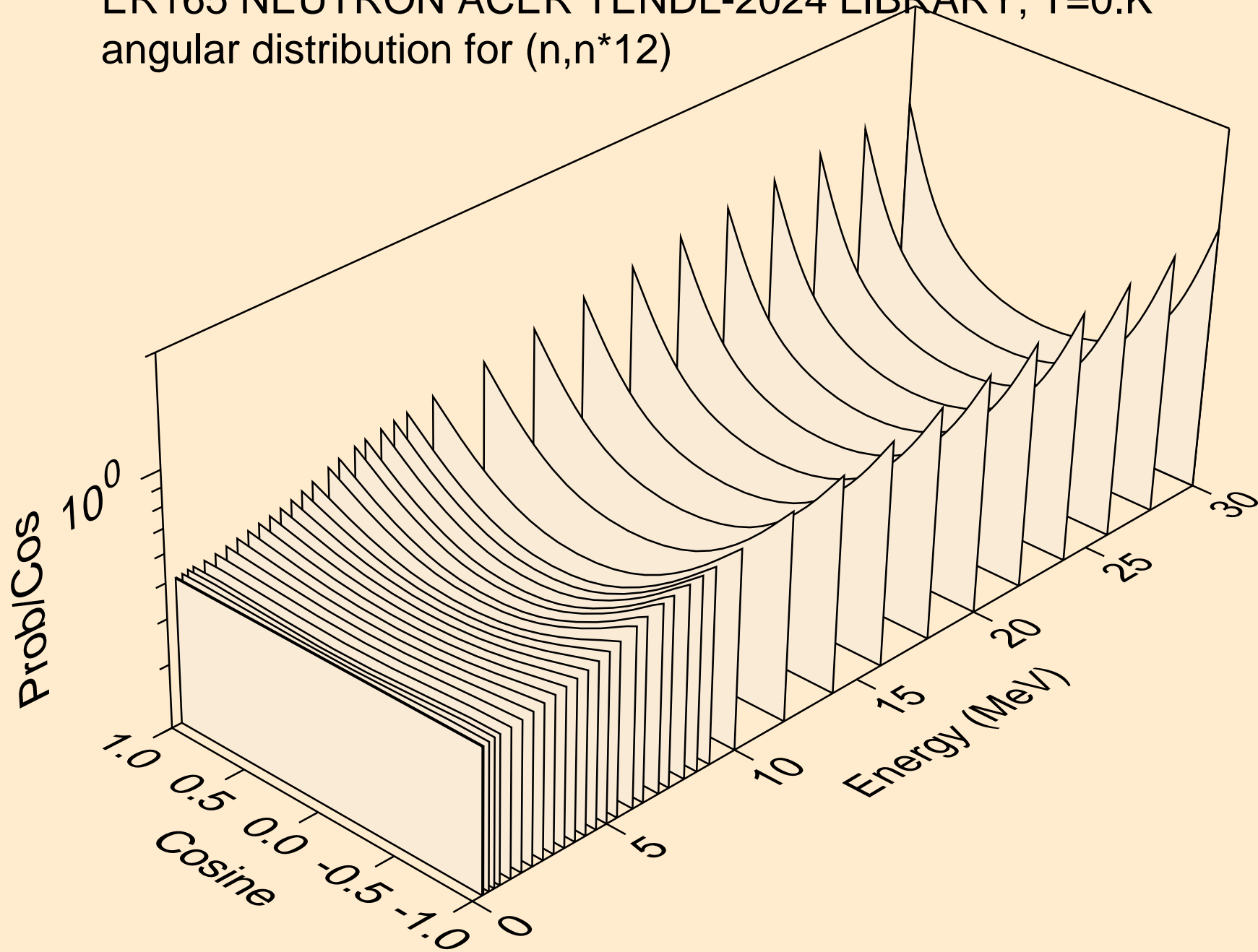
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



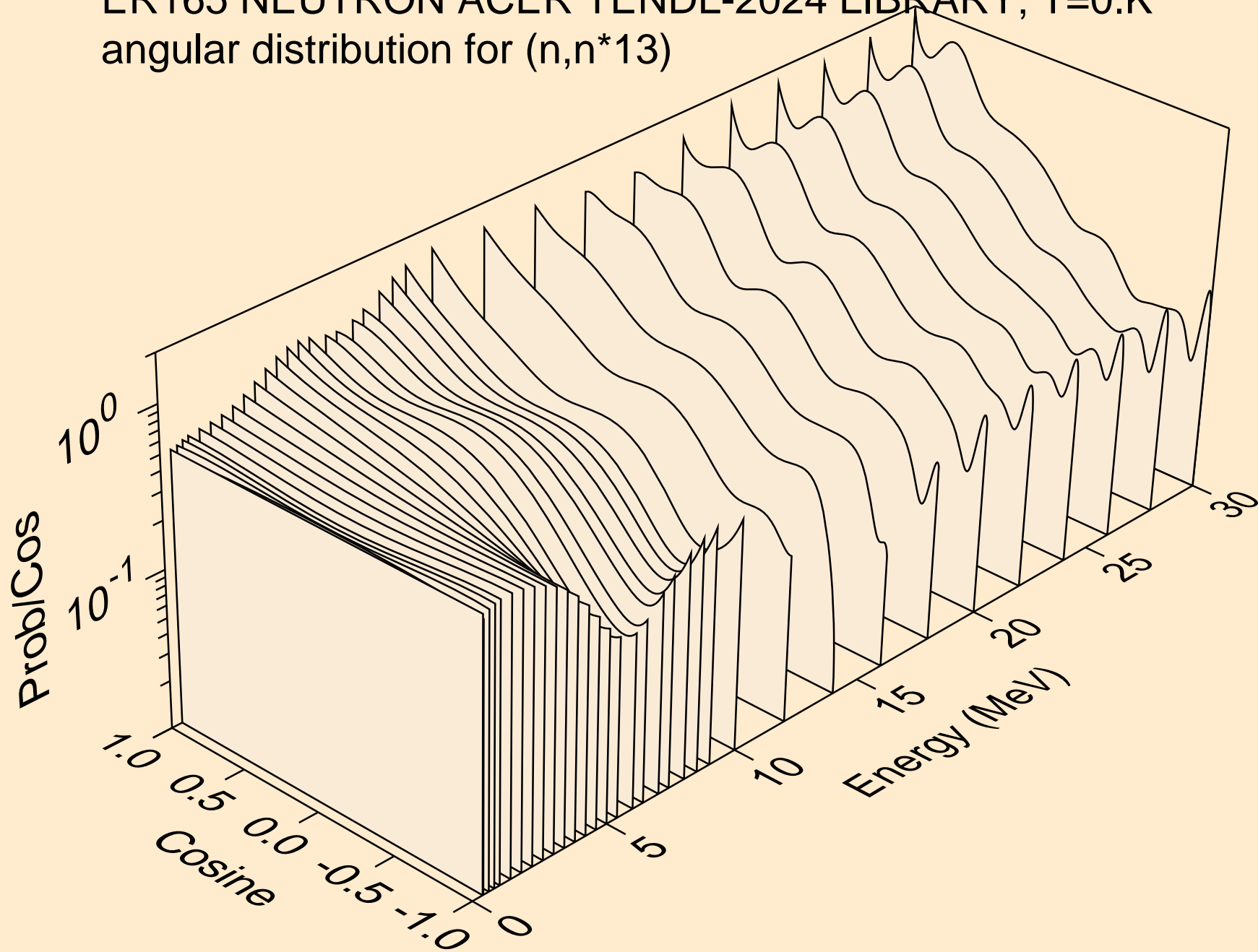
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



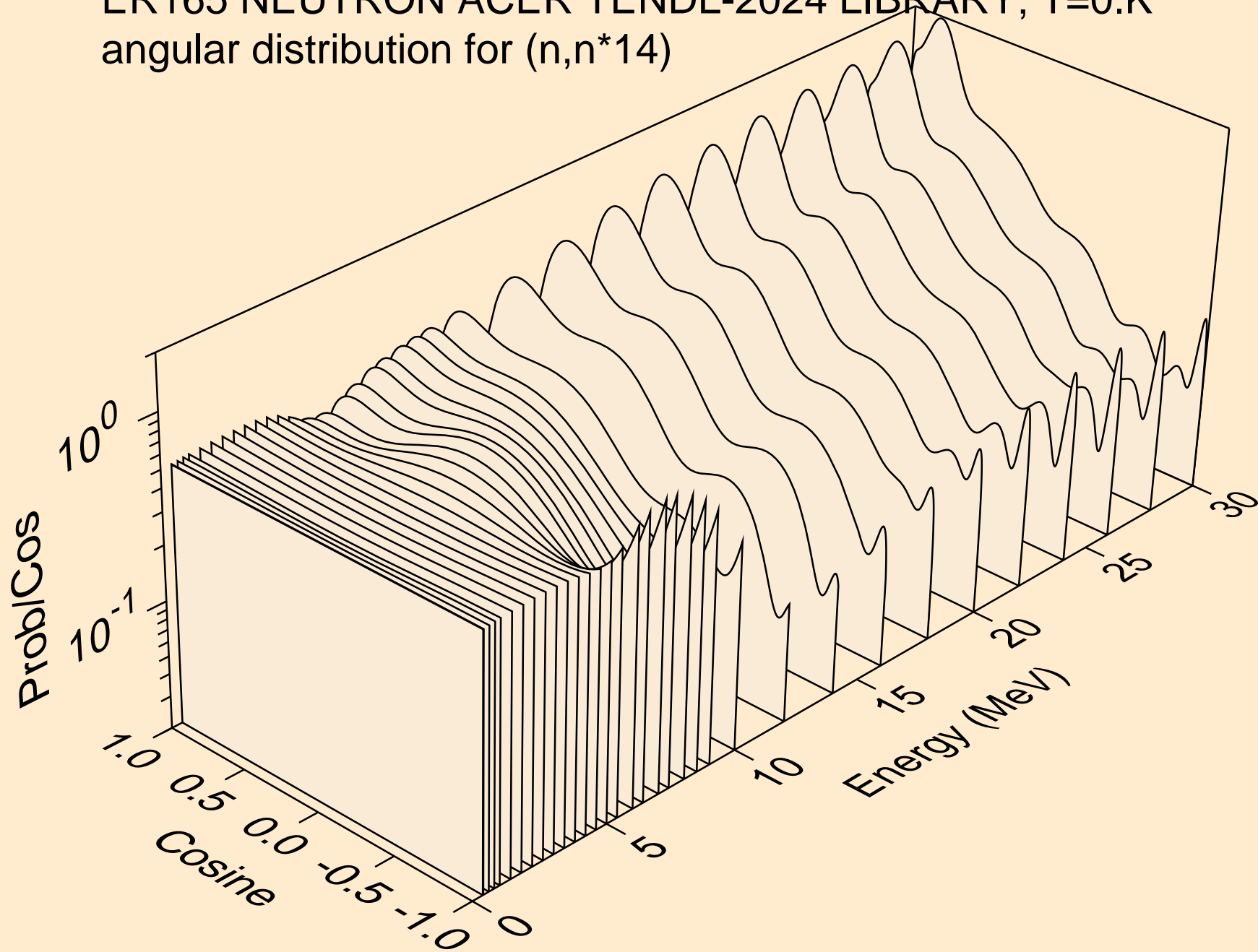
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



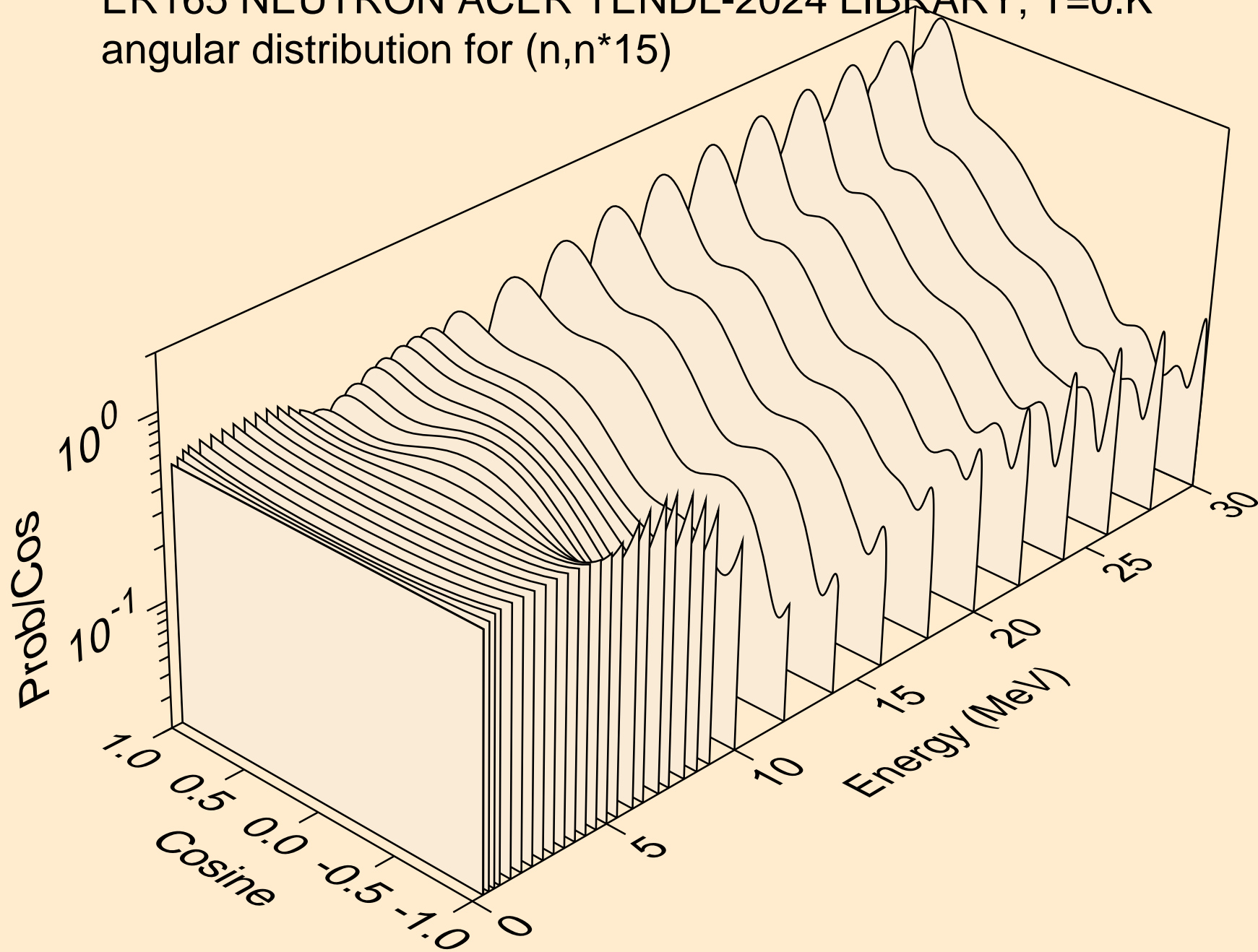
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



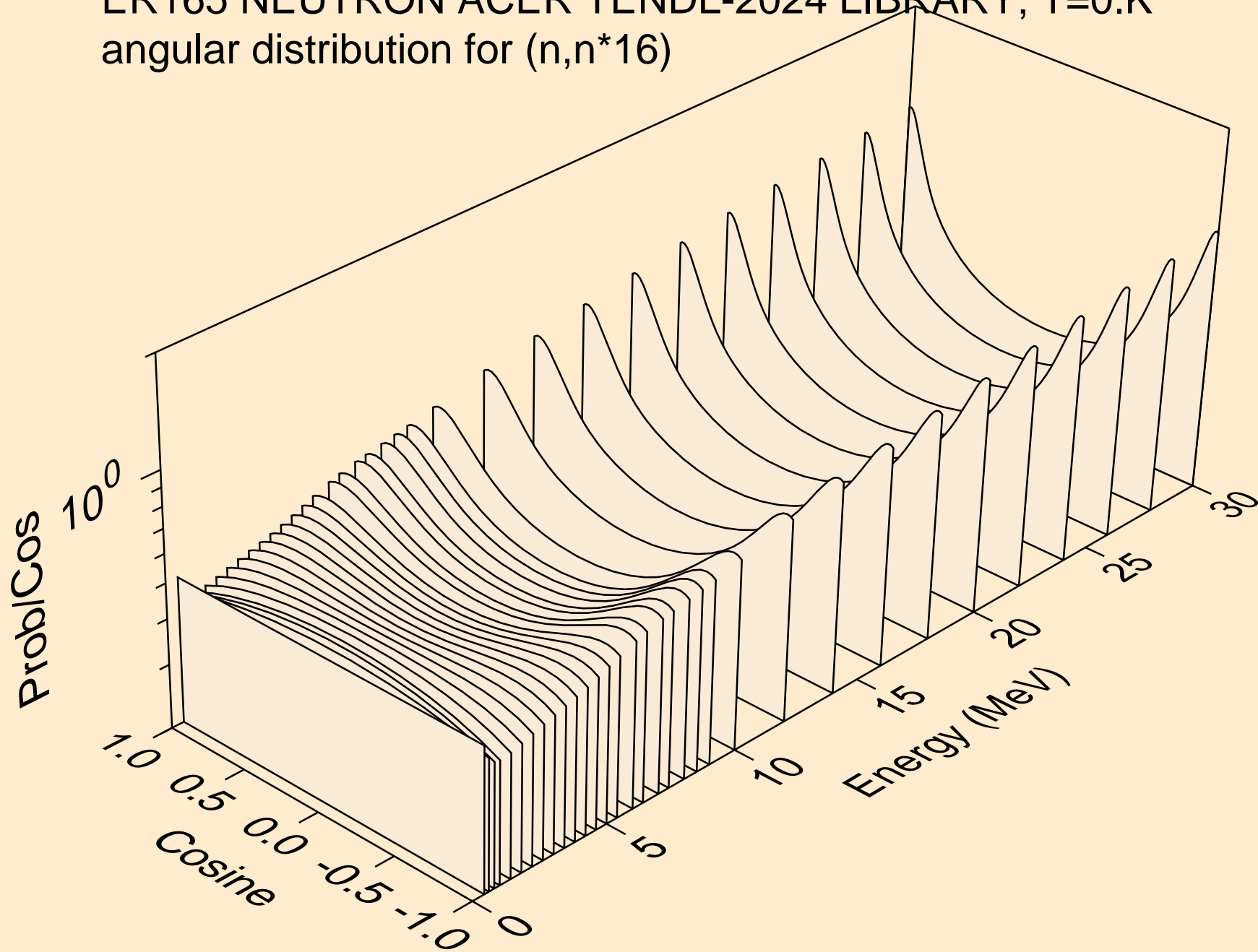
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*15)

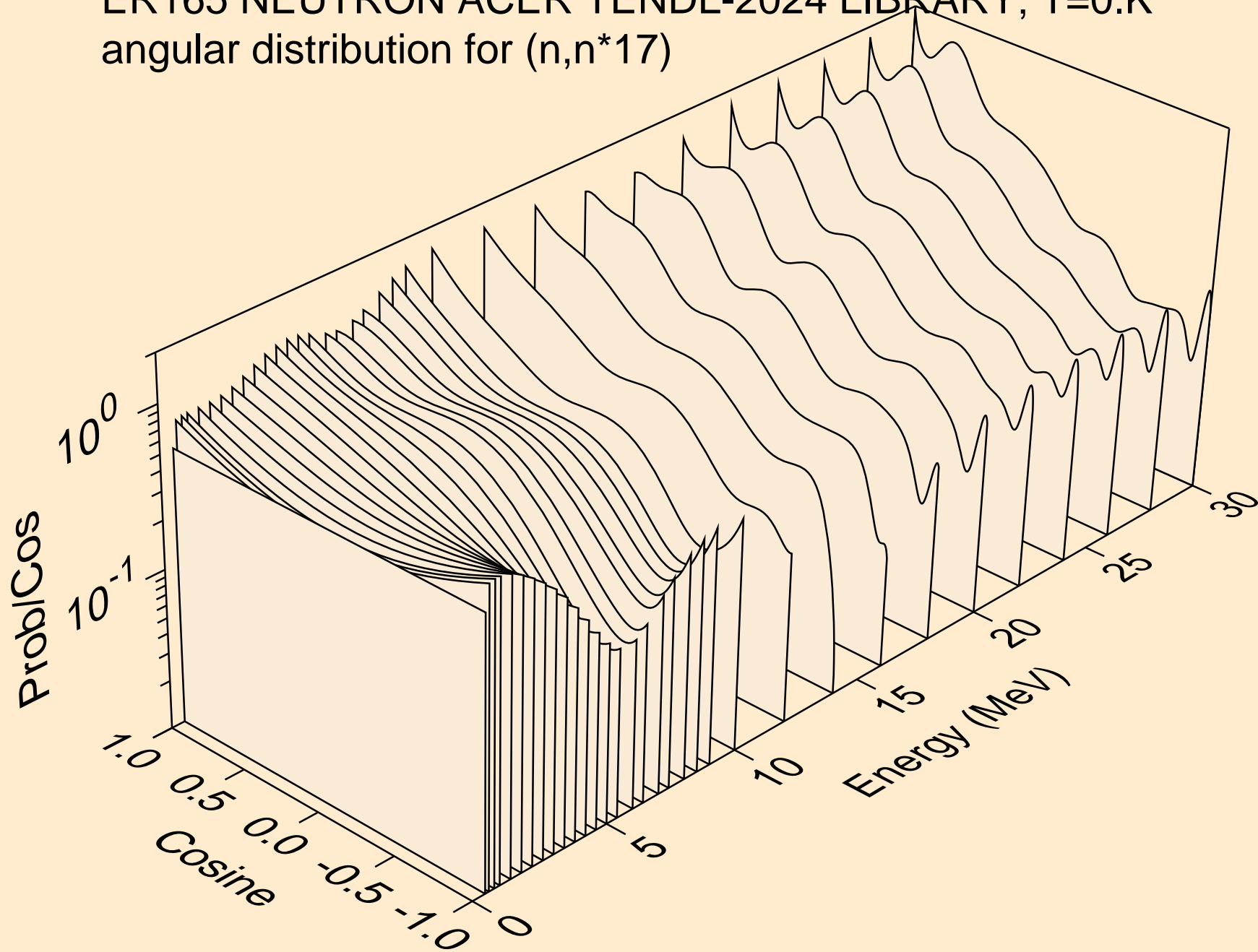


ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)

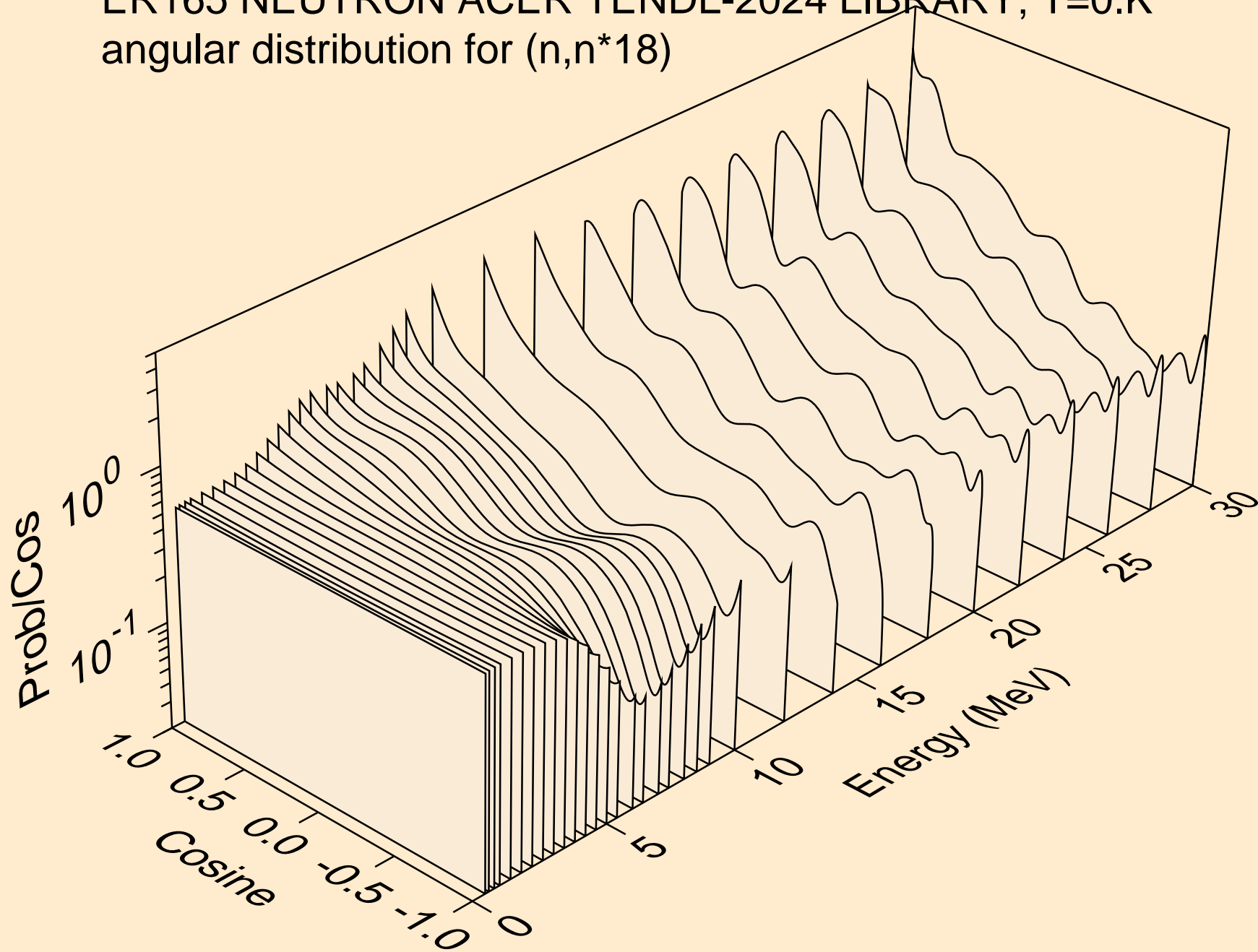




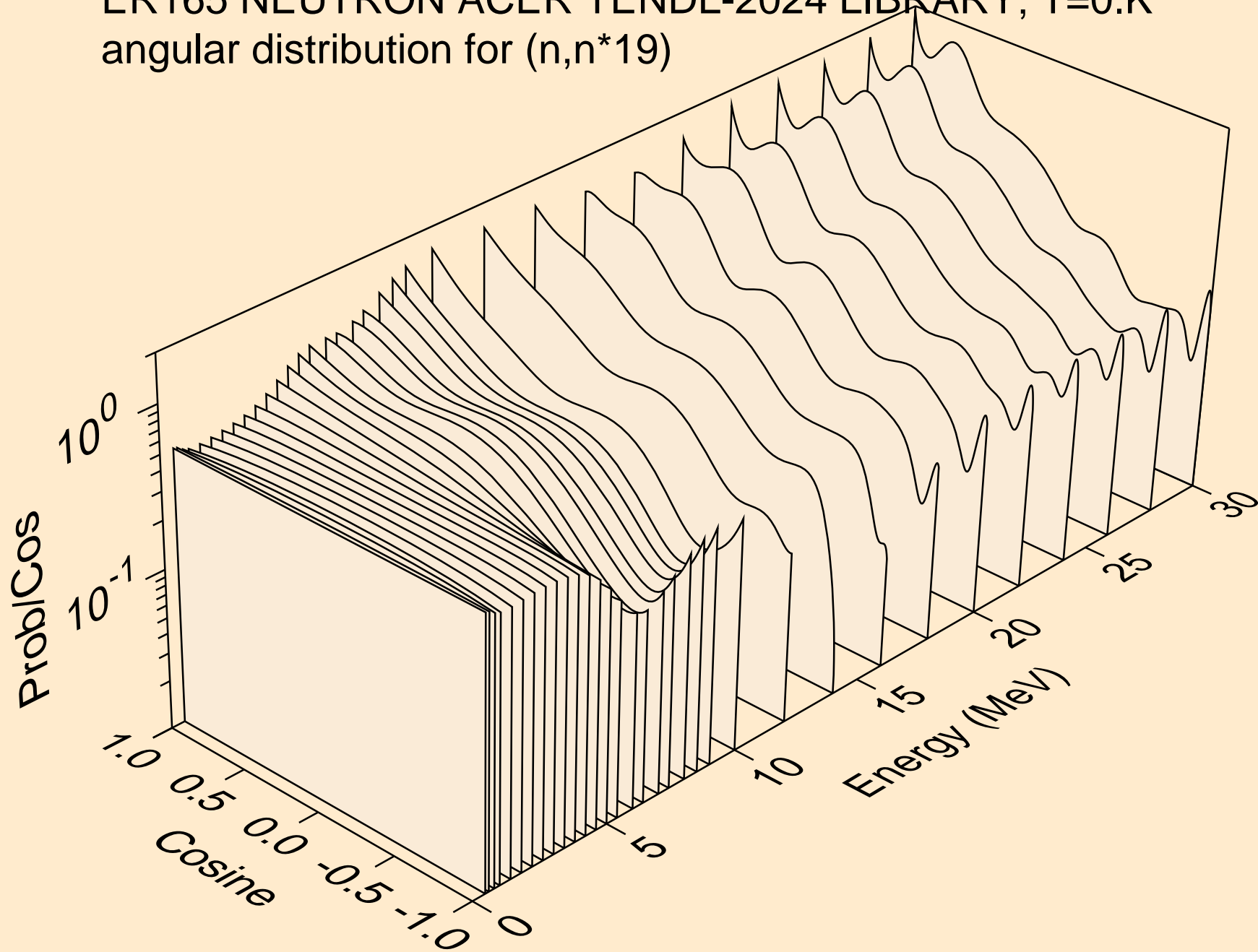
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*17)



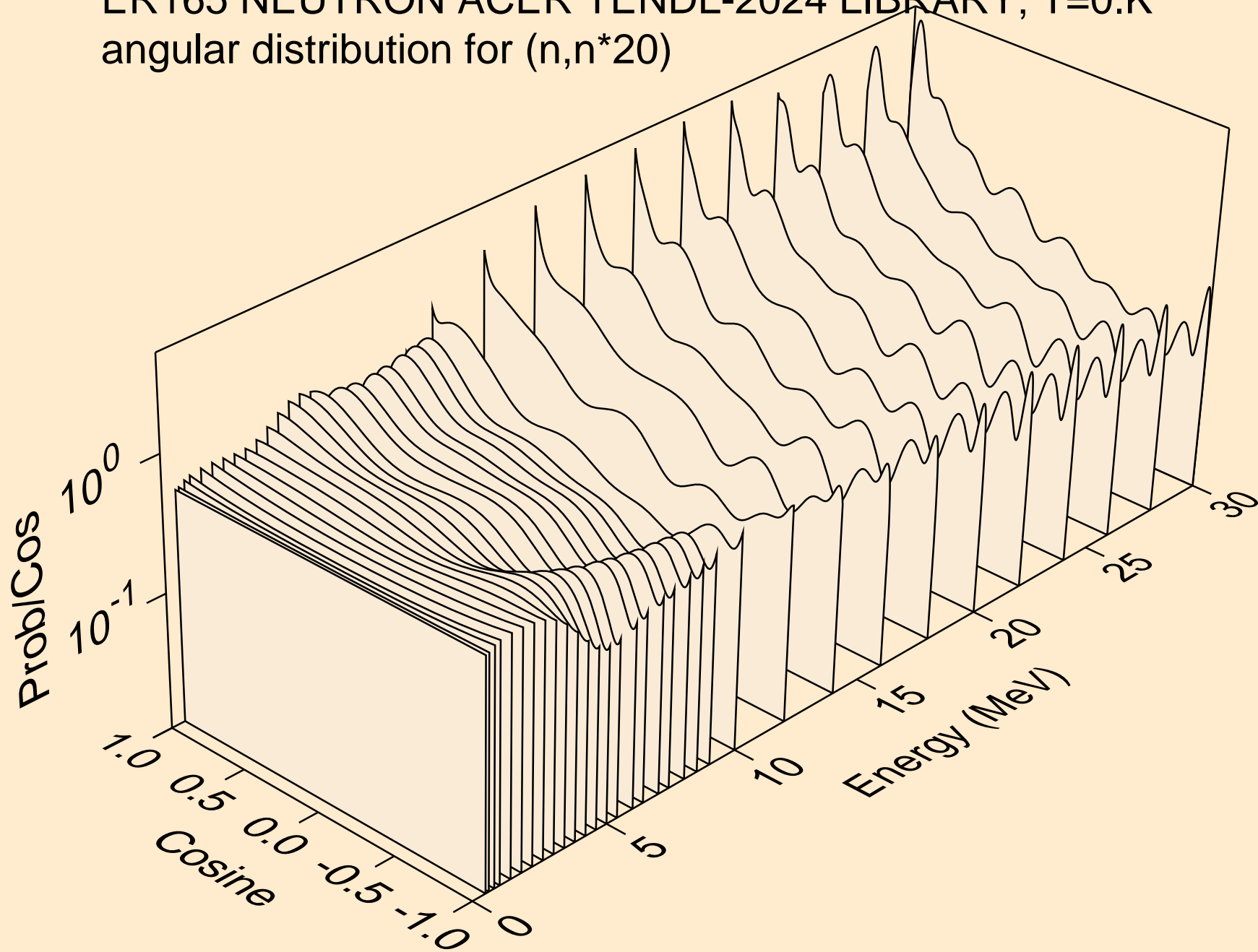
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



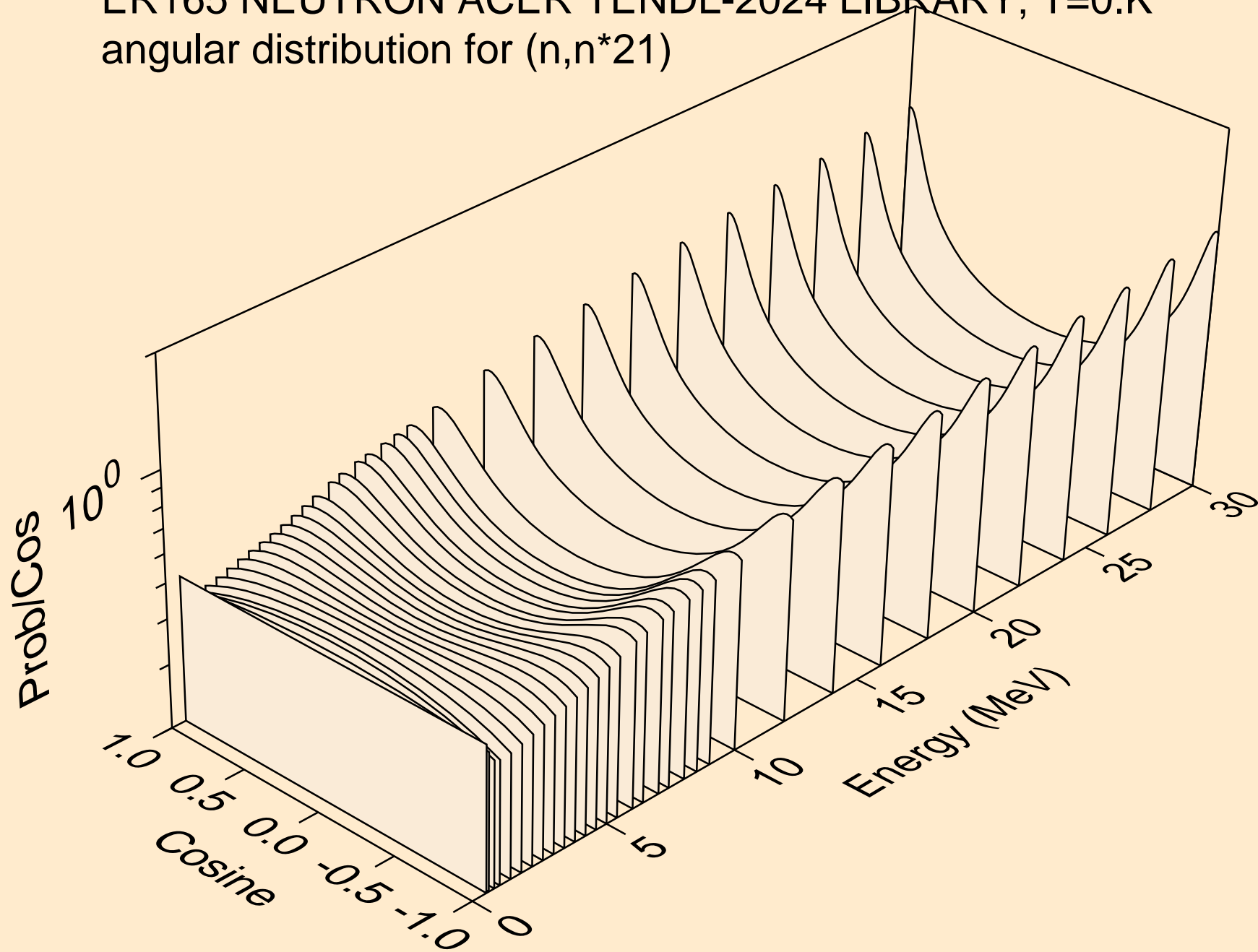
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



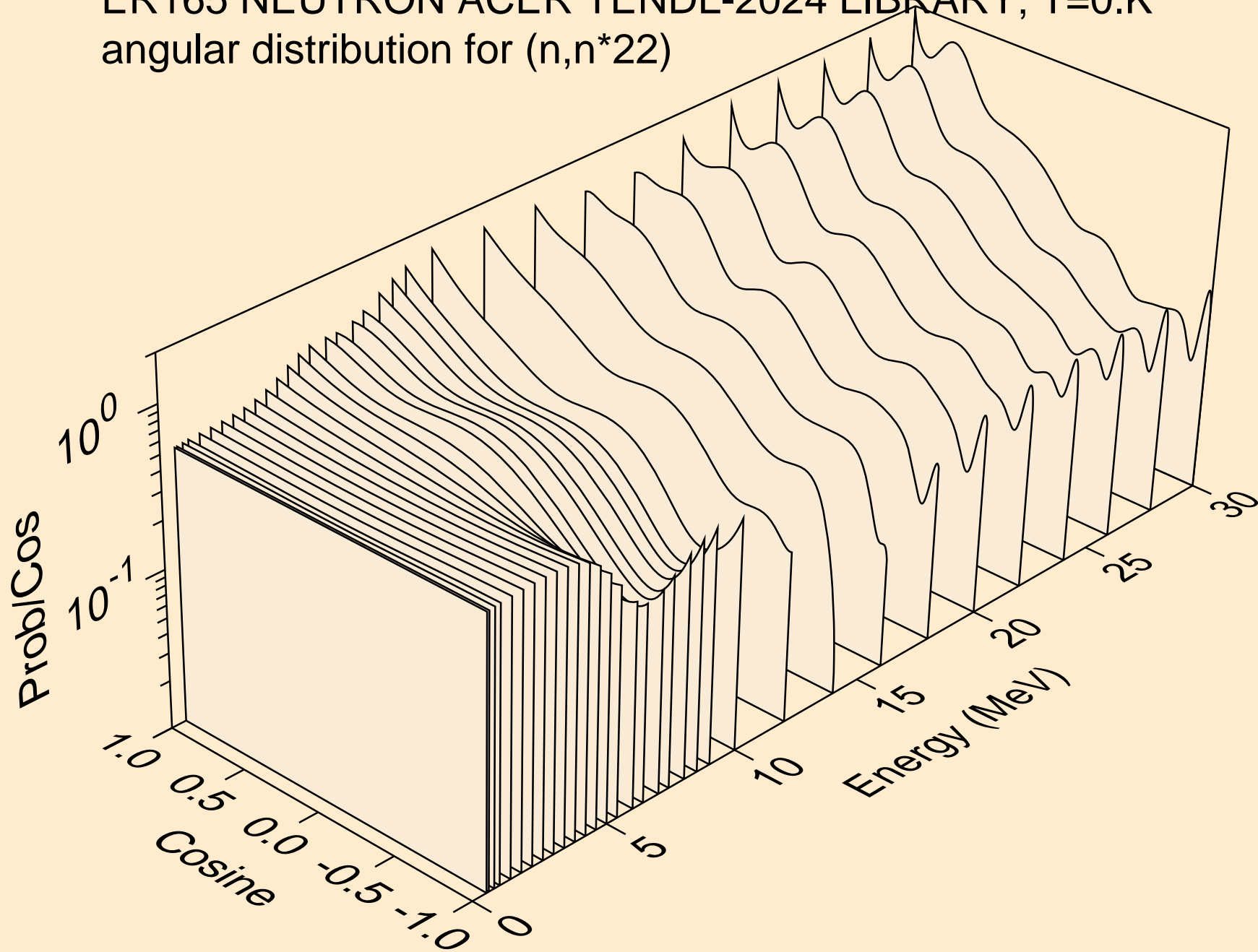
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*20)



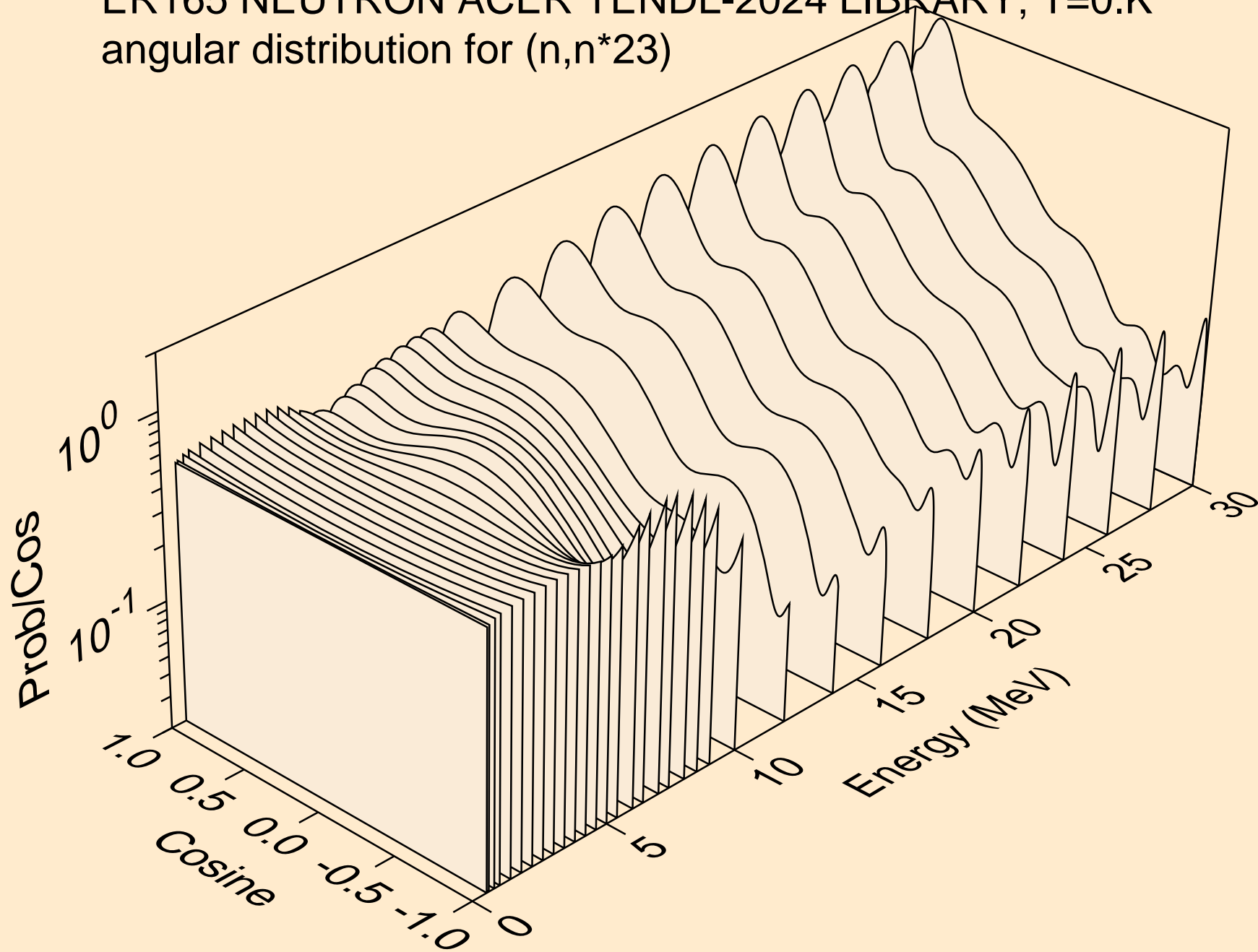
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*21)



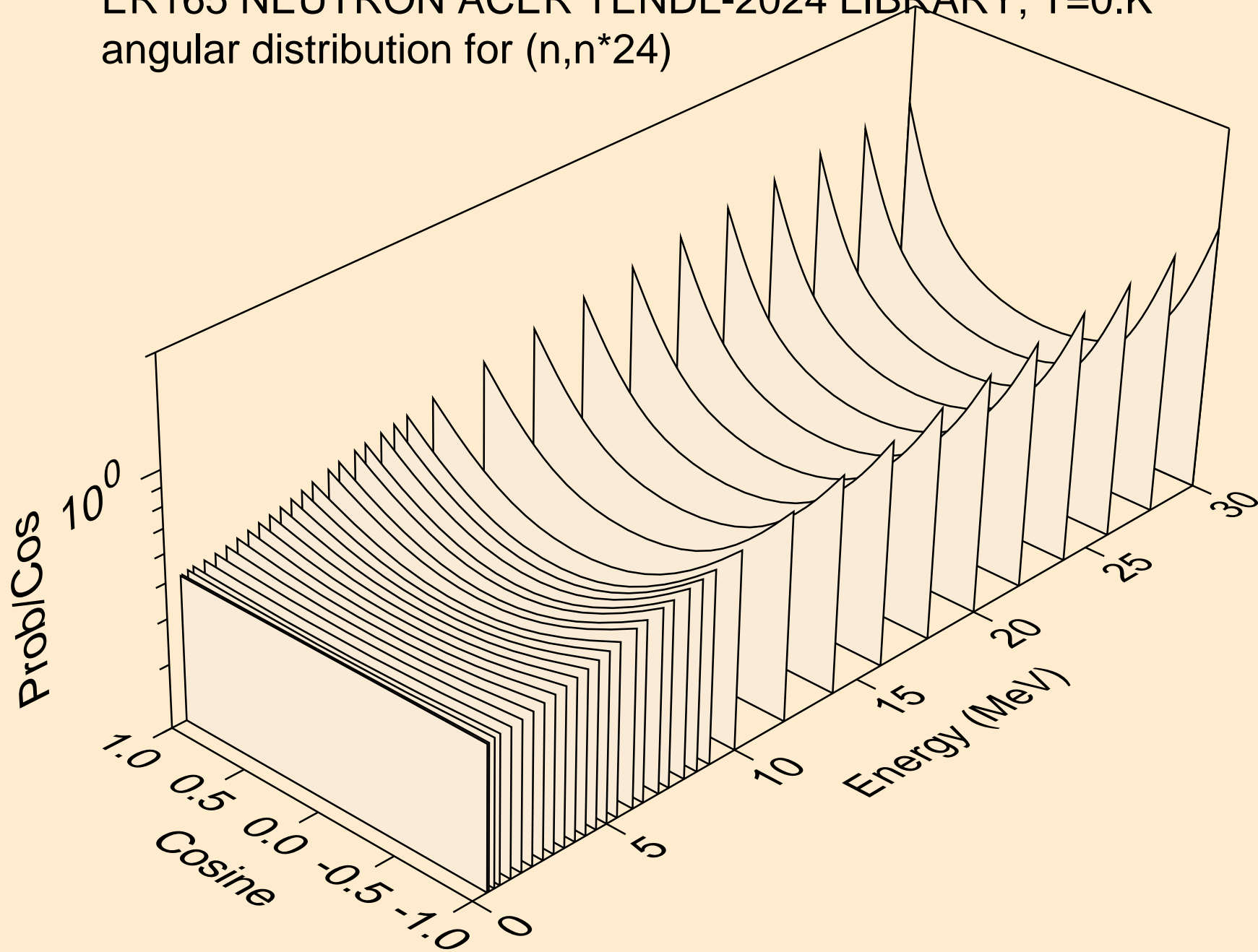
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*22)



ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*23)

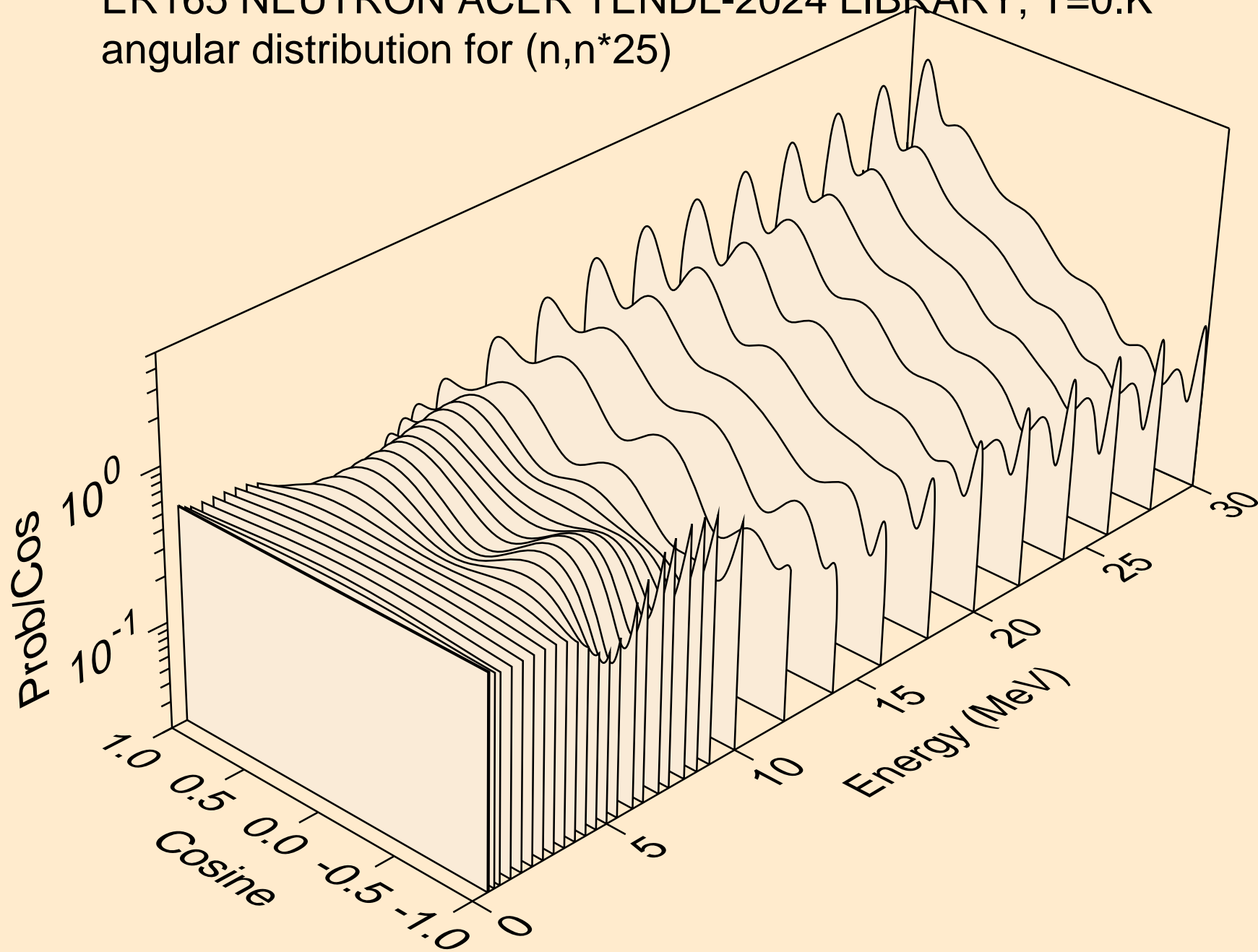


ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*24)

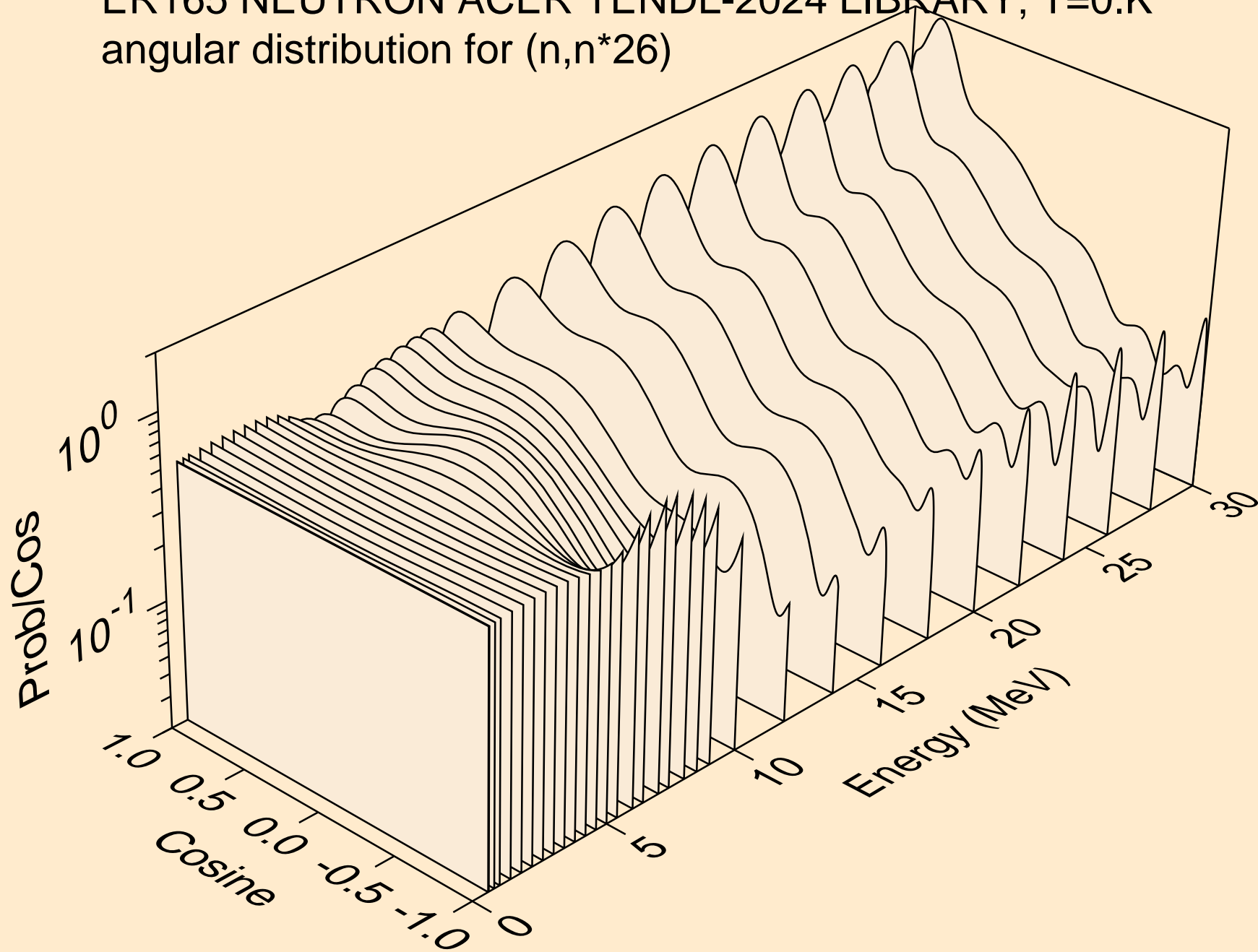




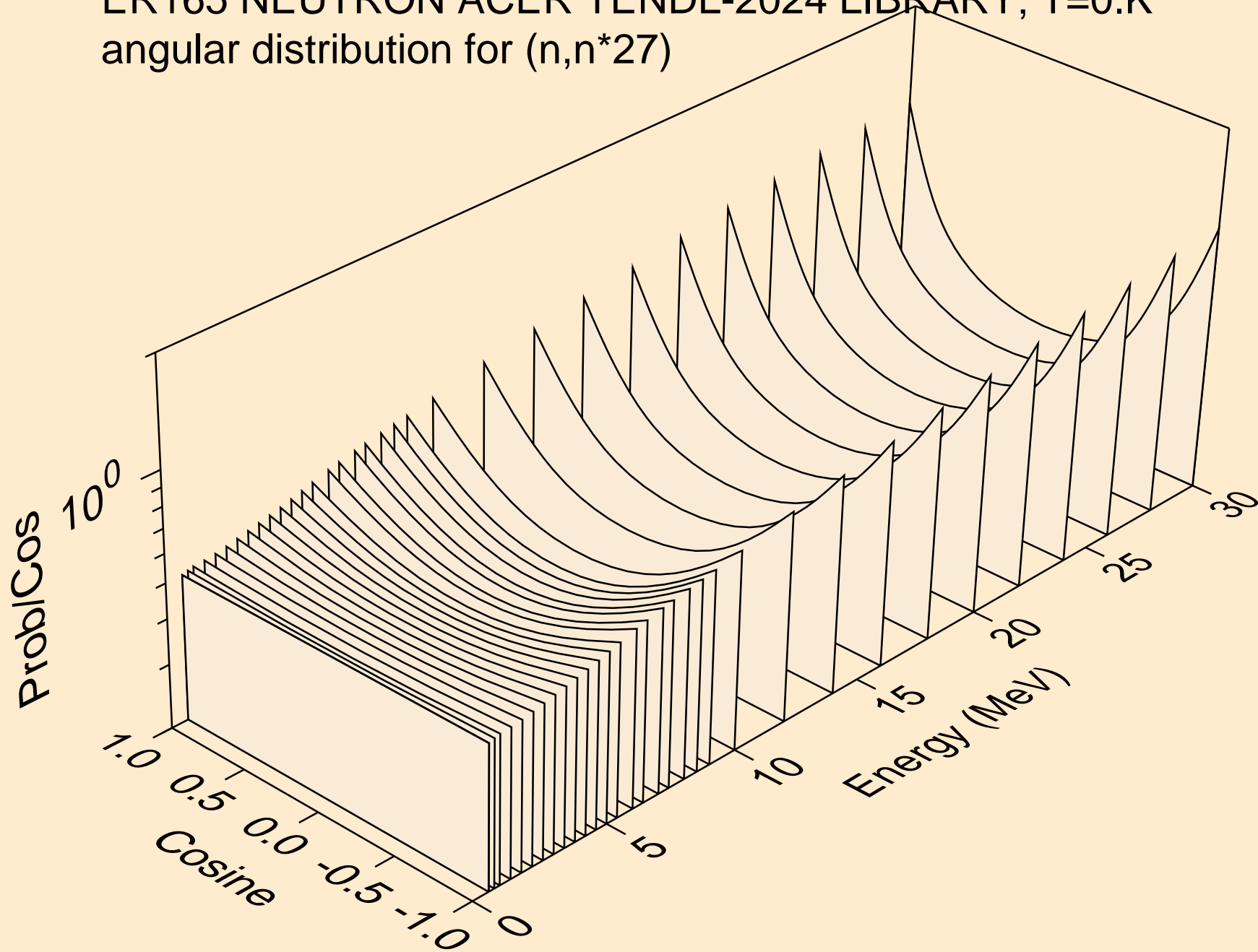
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*25)



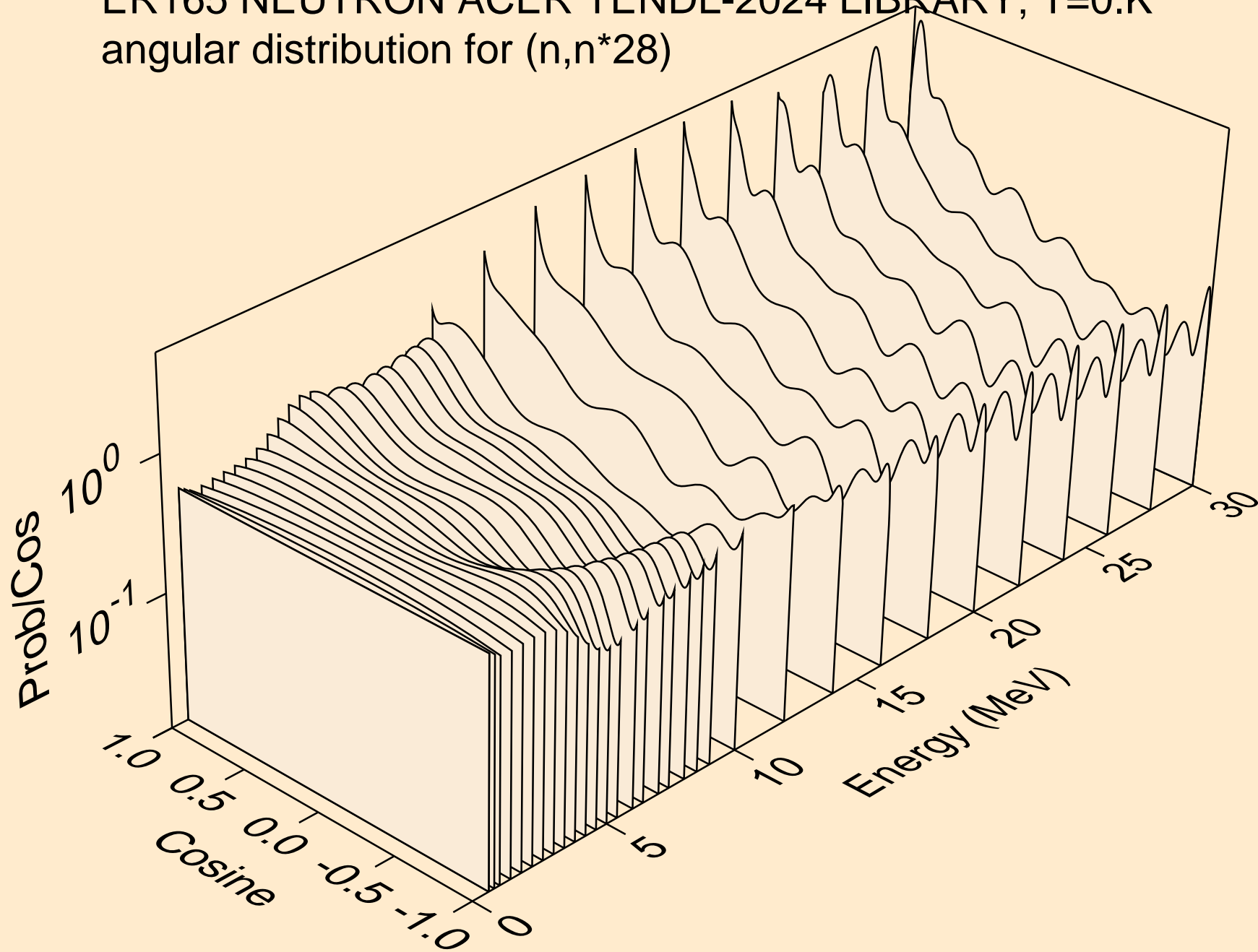
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



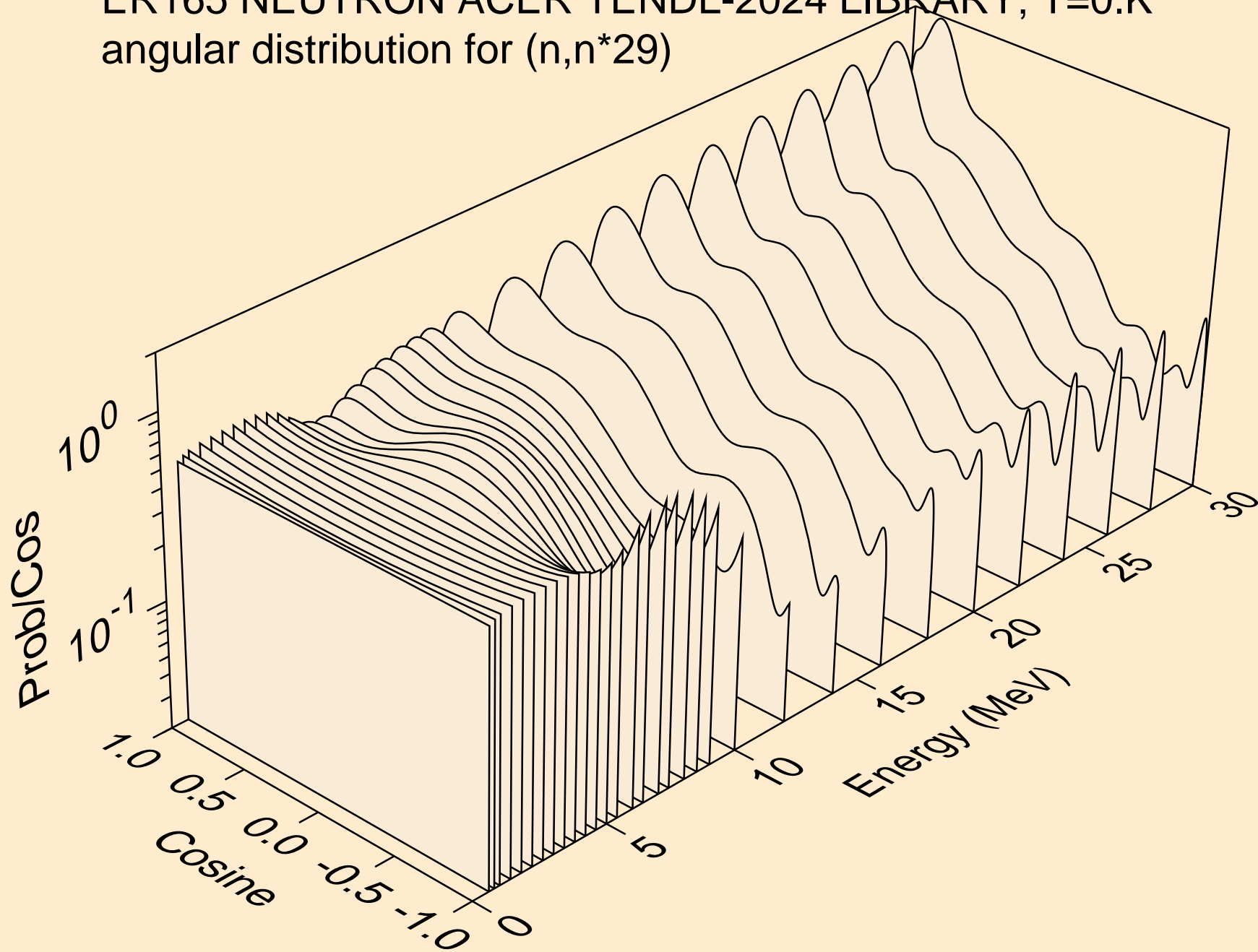
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



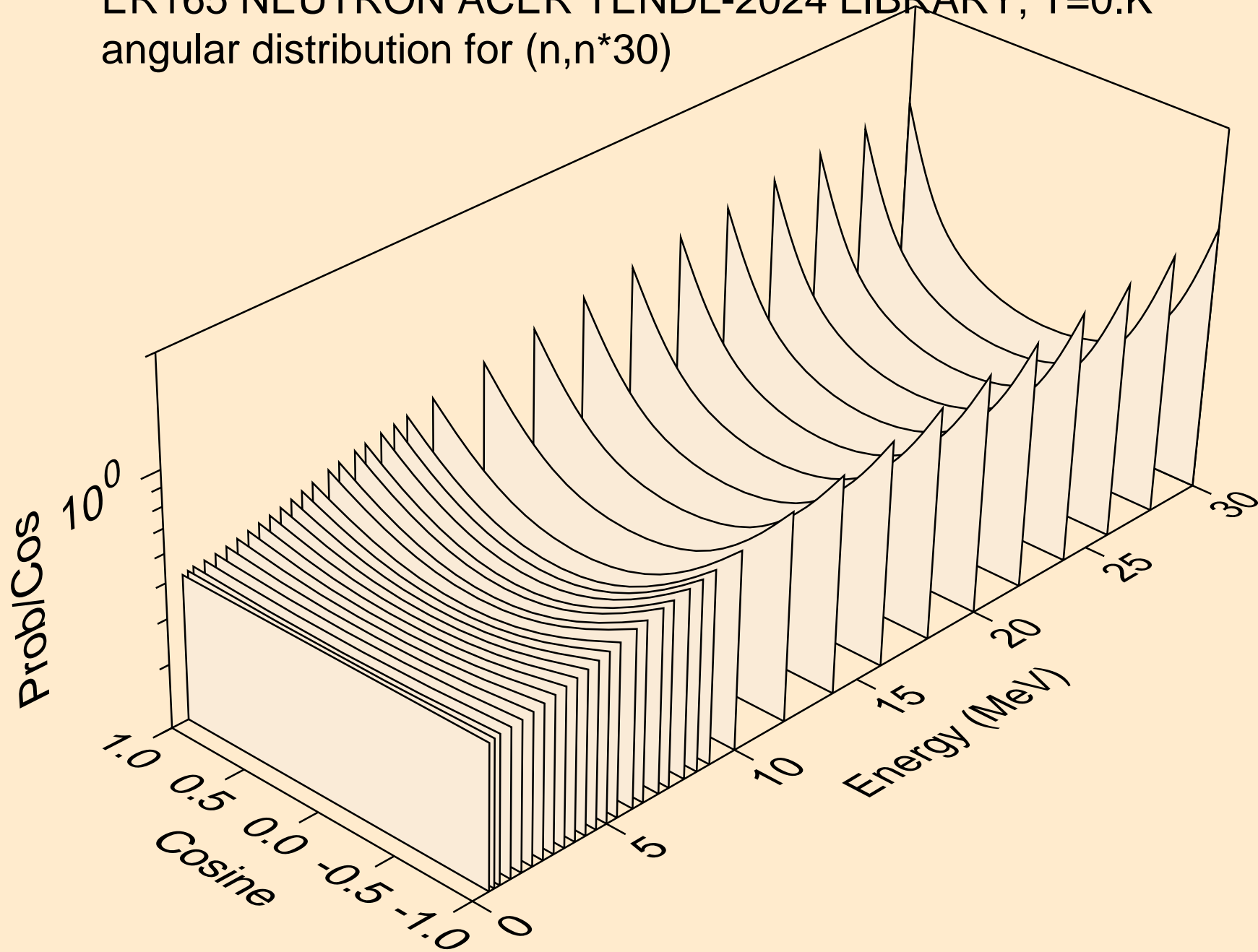
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*28)



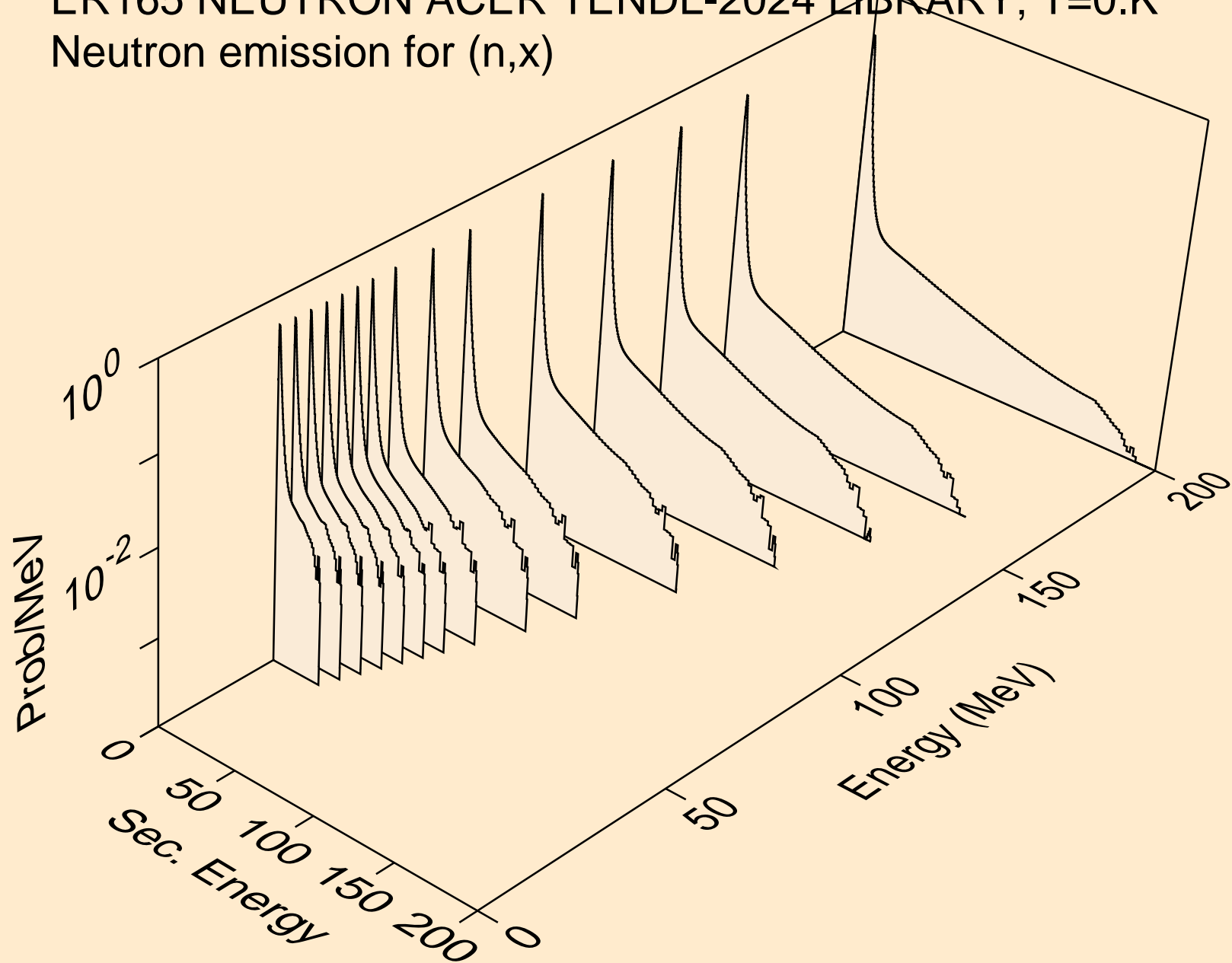
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*29)



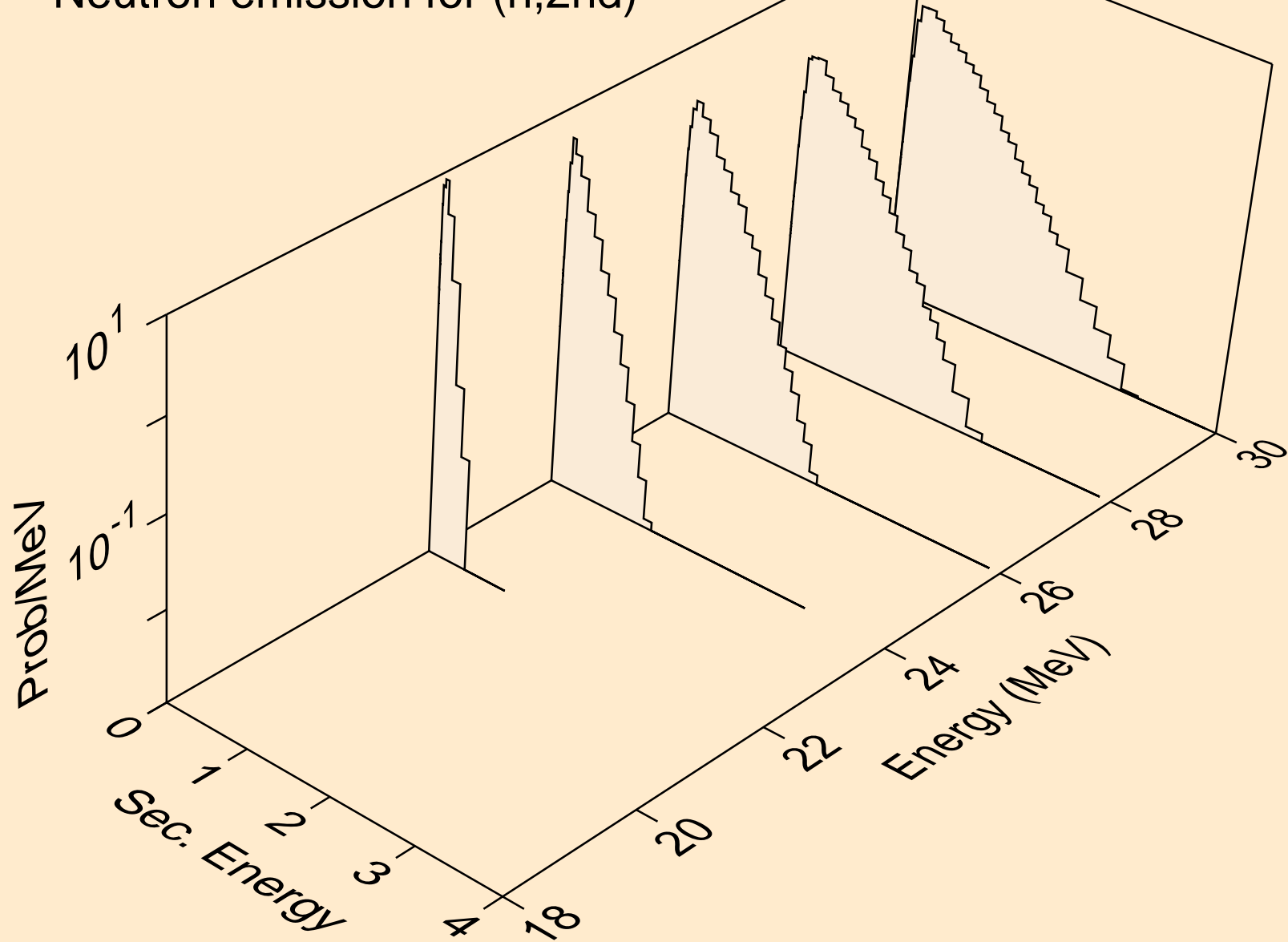
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*30)



ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)

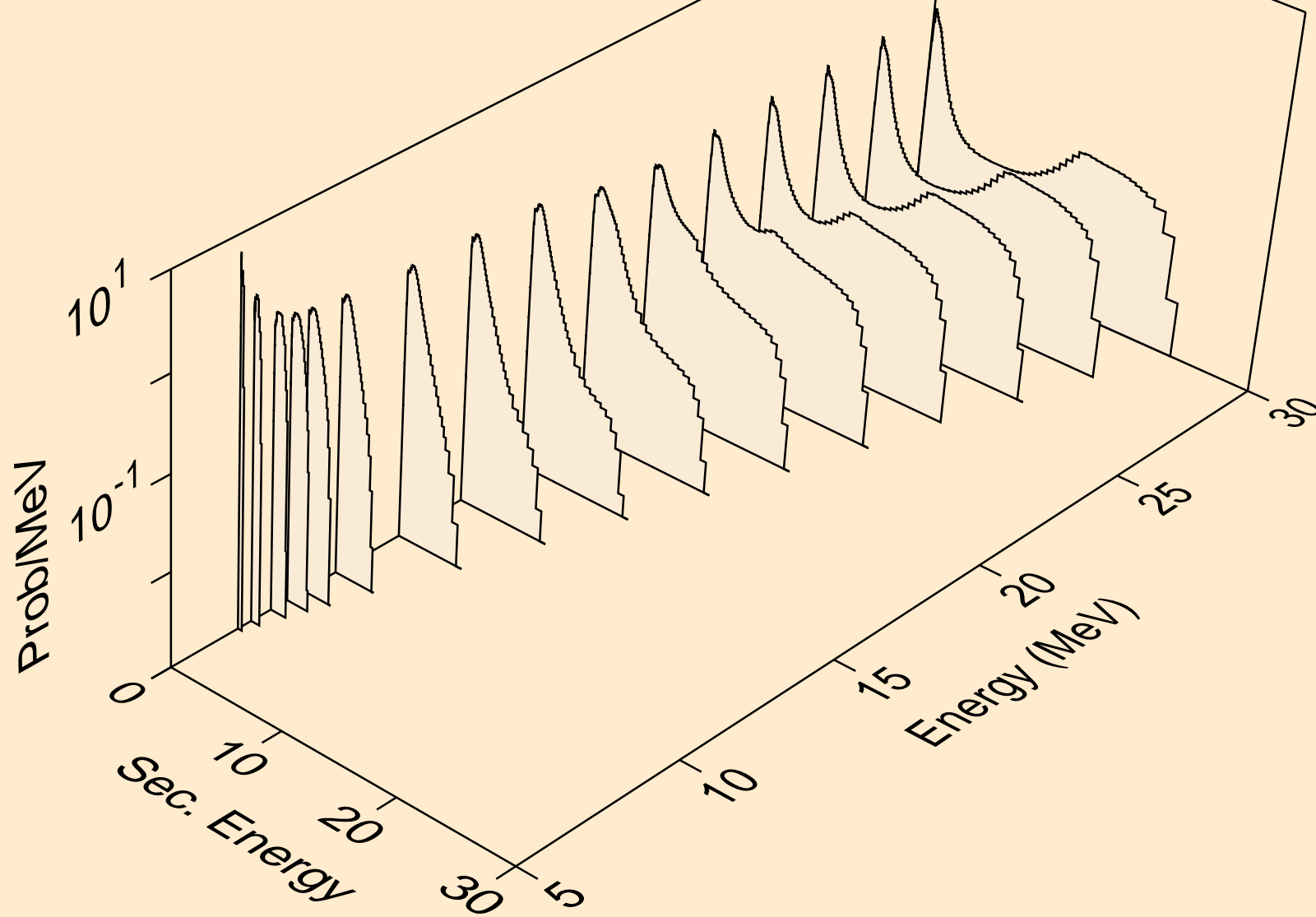


ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)

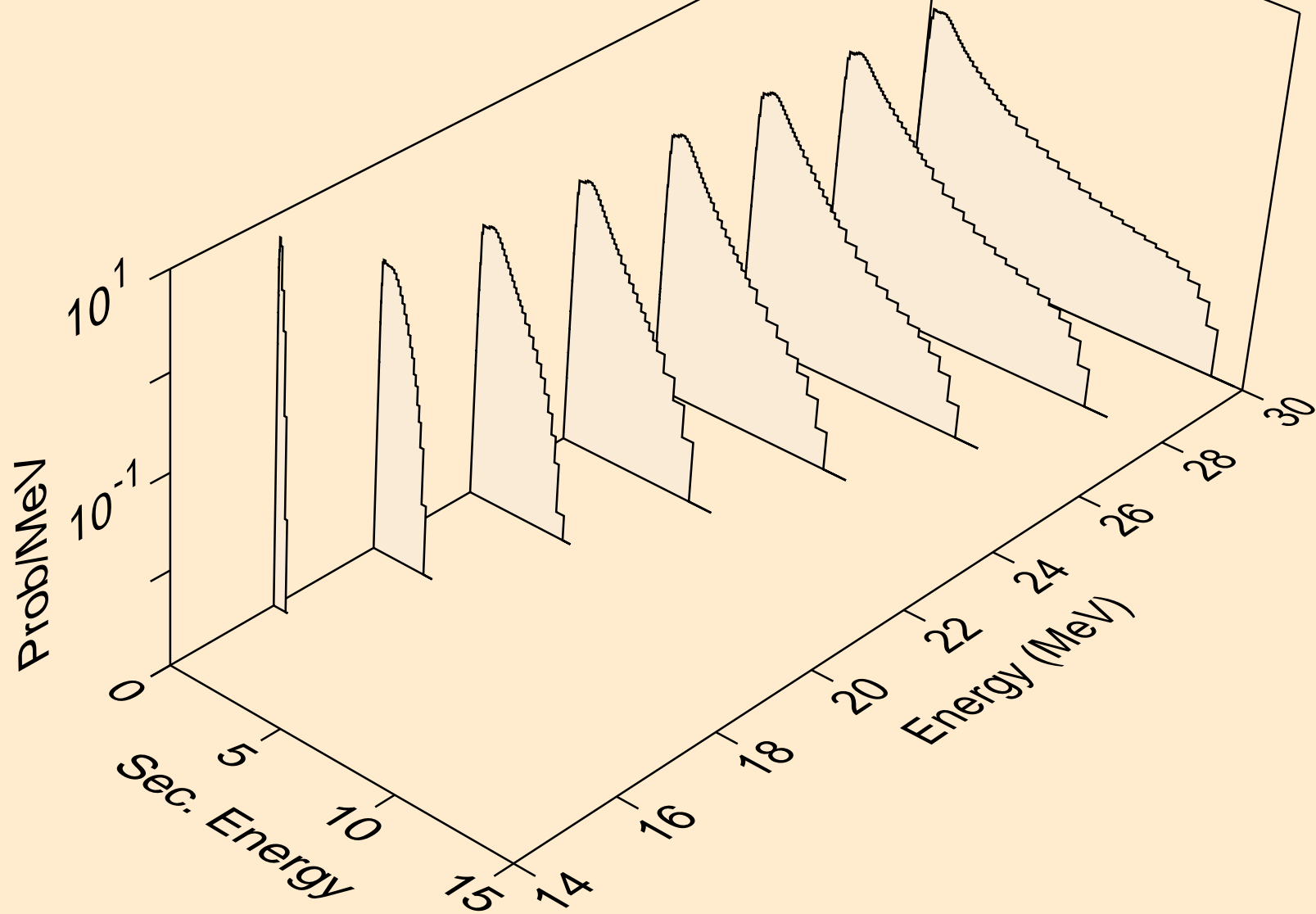




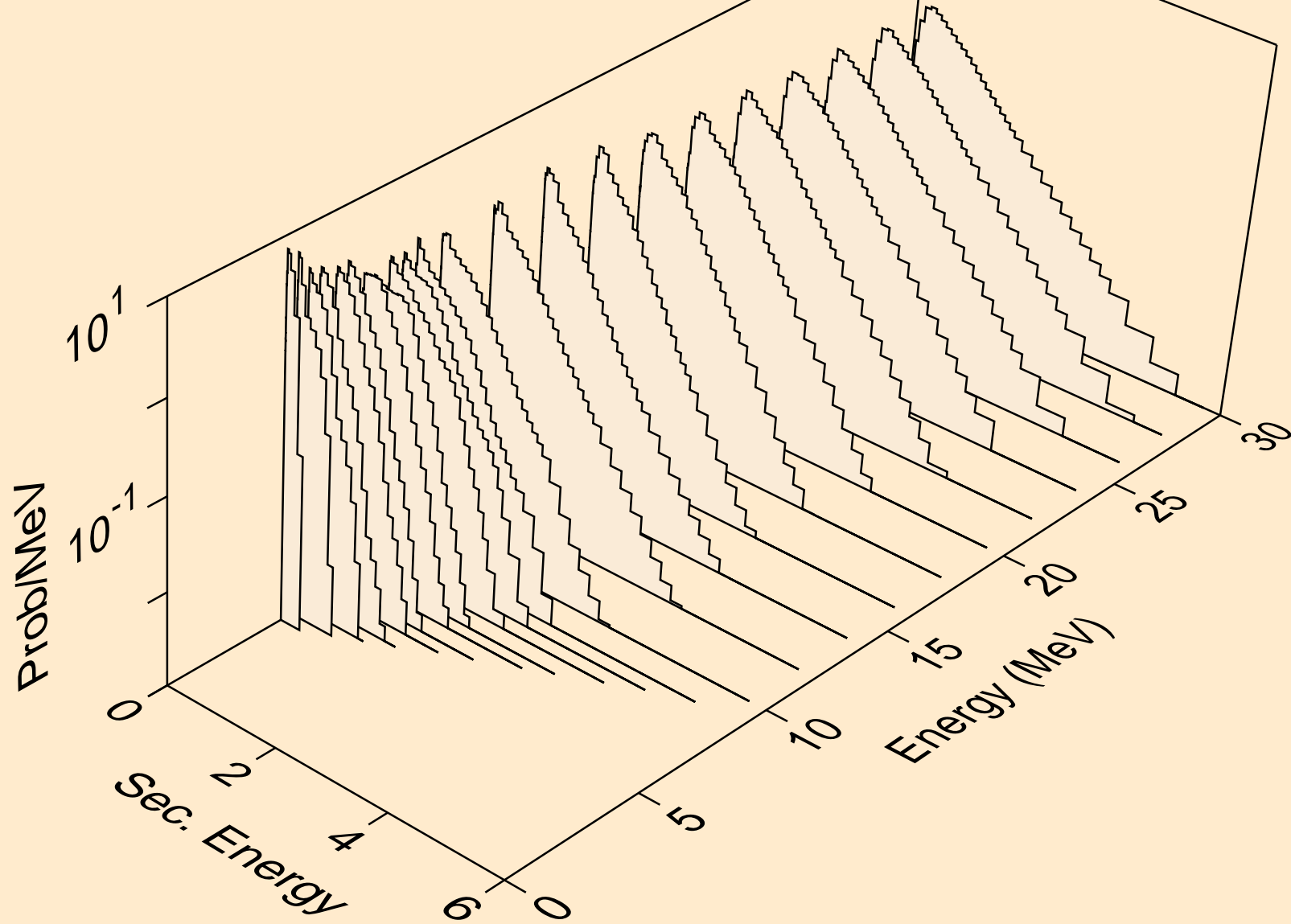
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



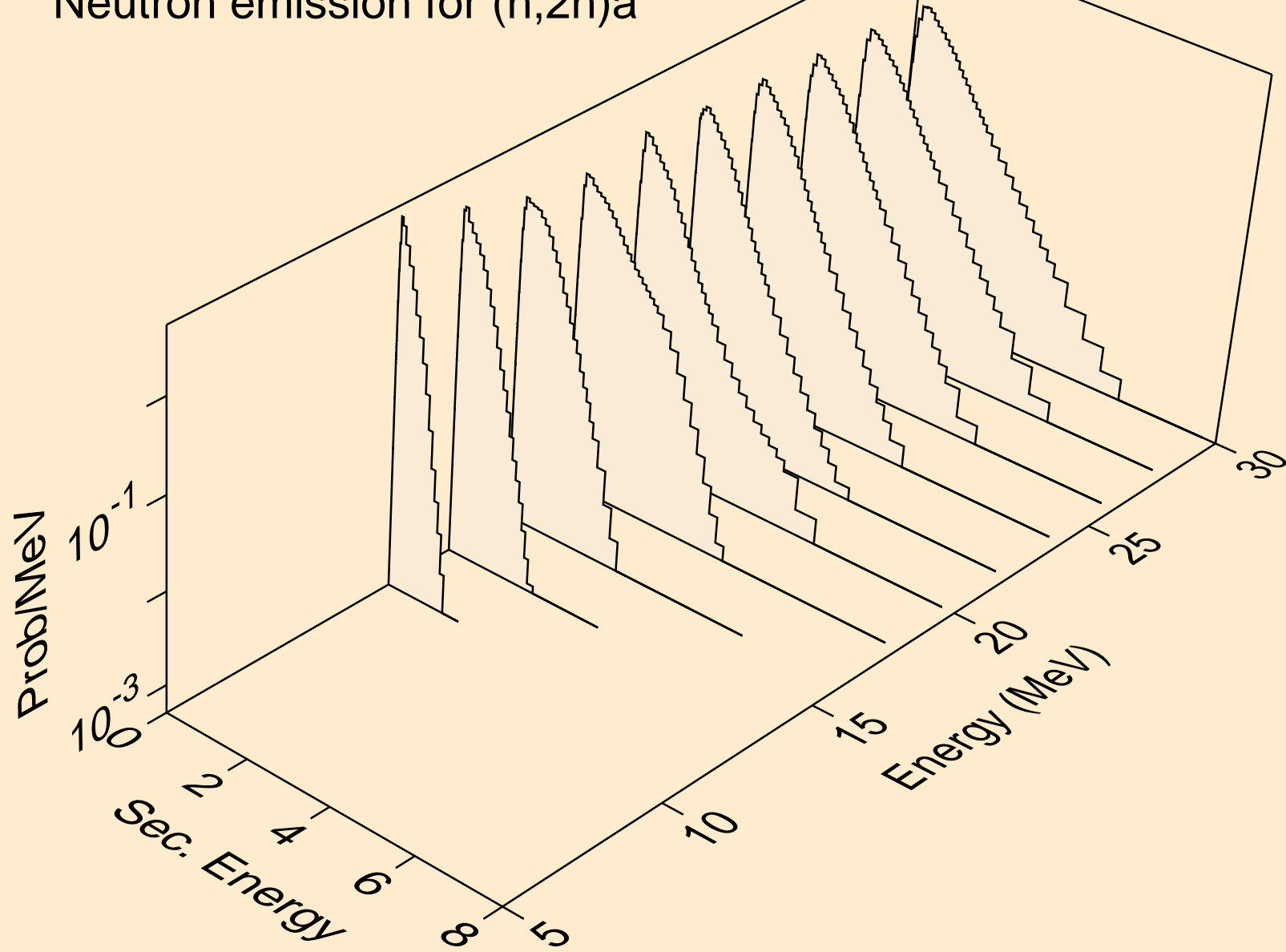
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



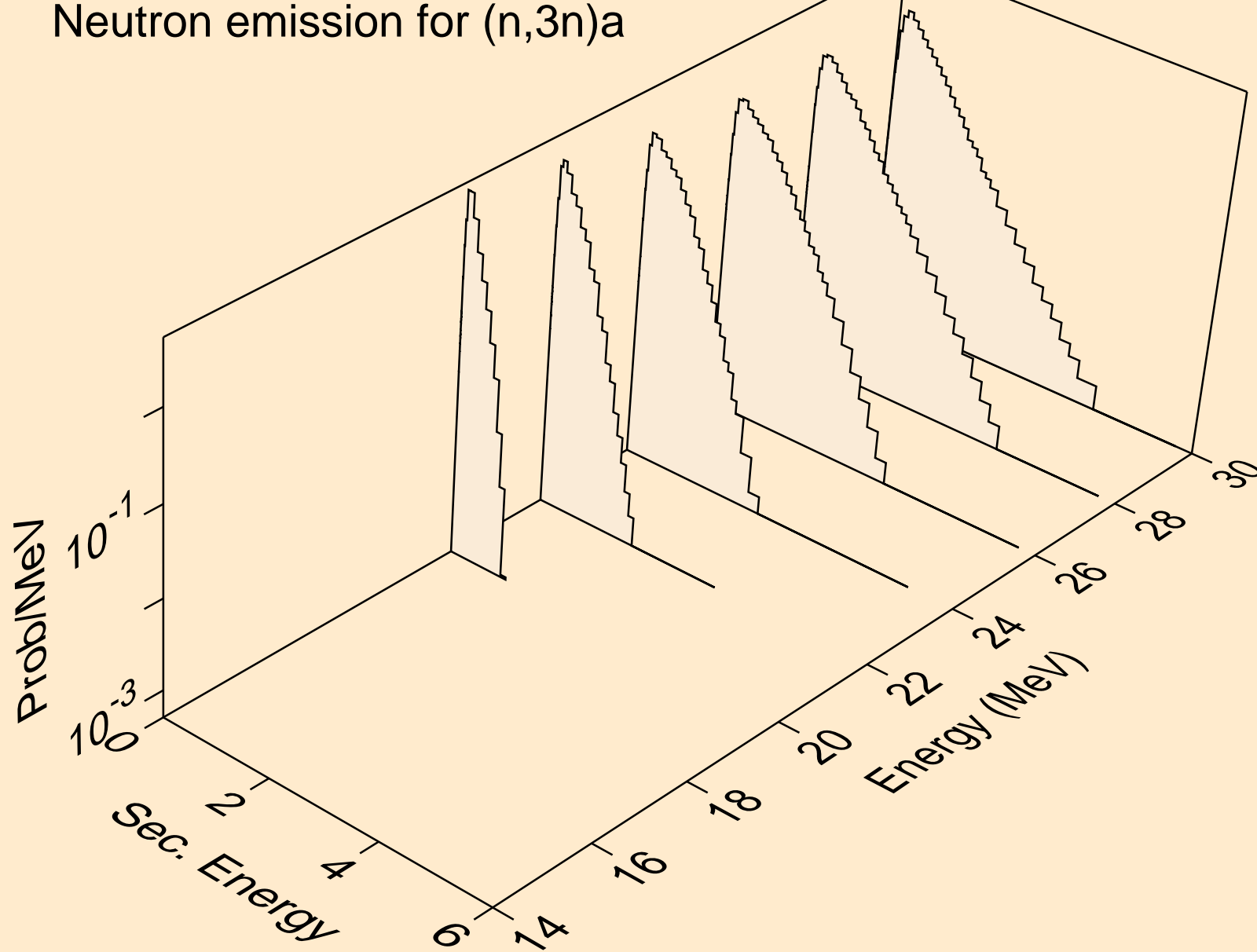
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



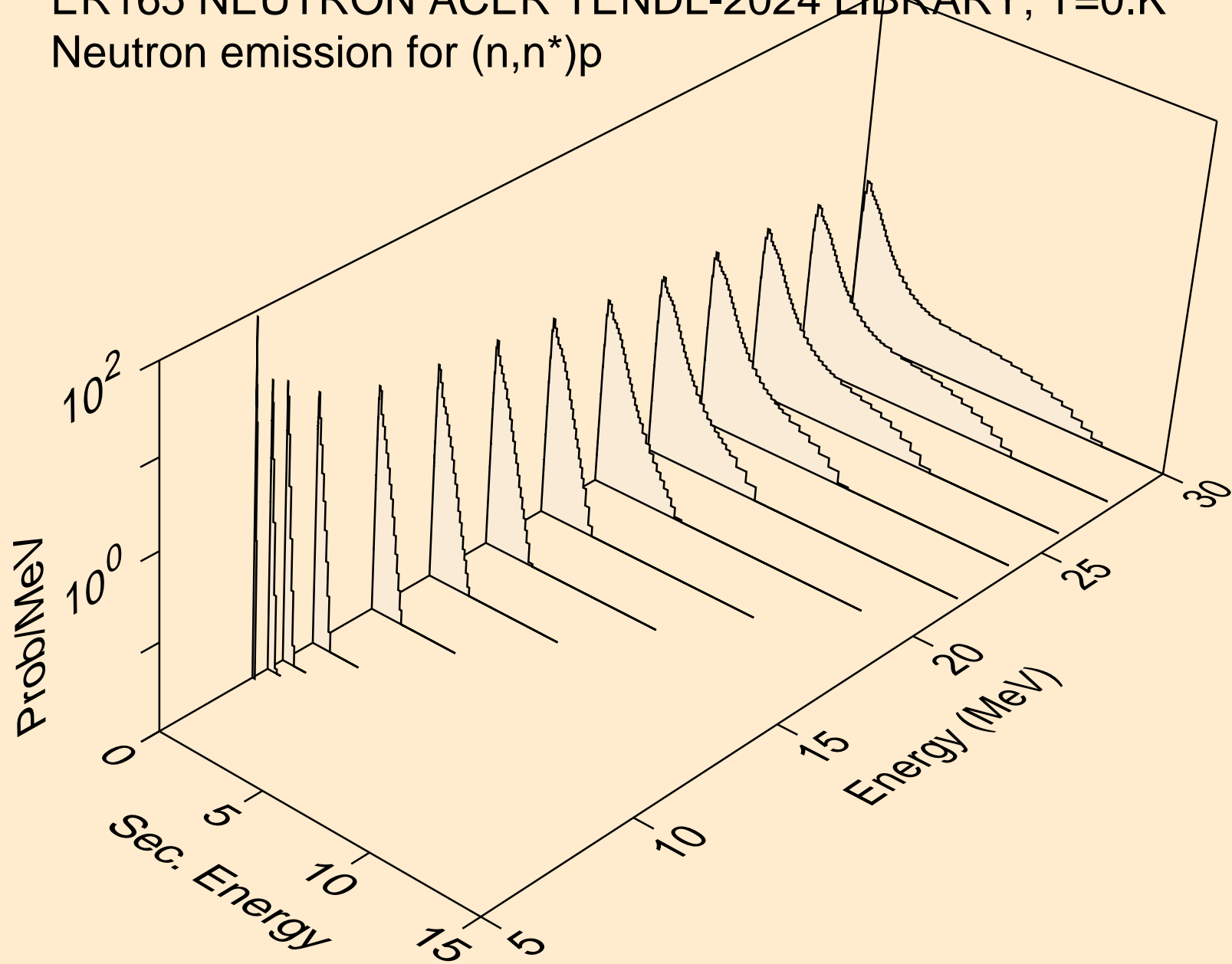
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



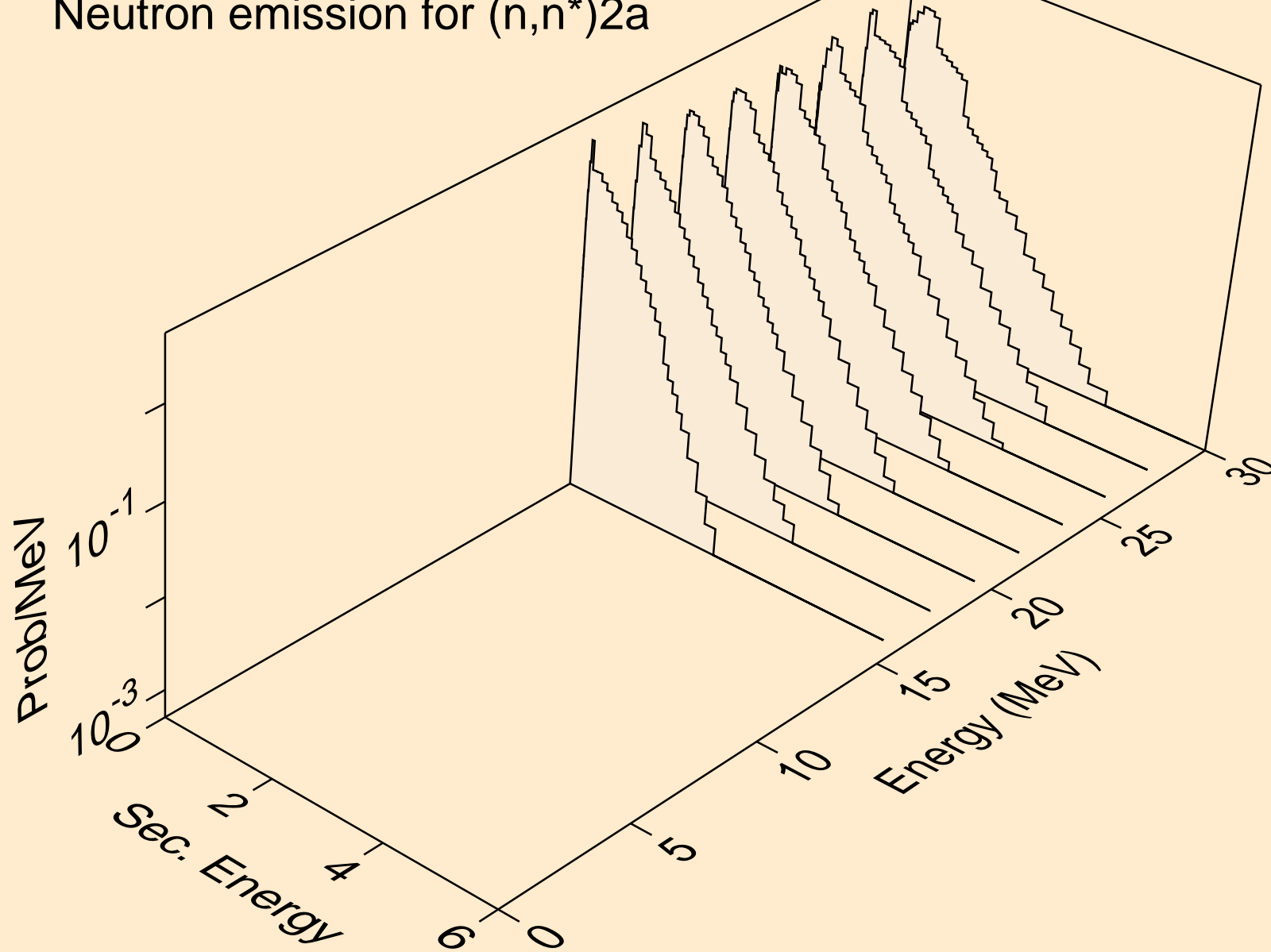
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



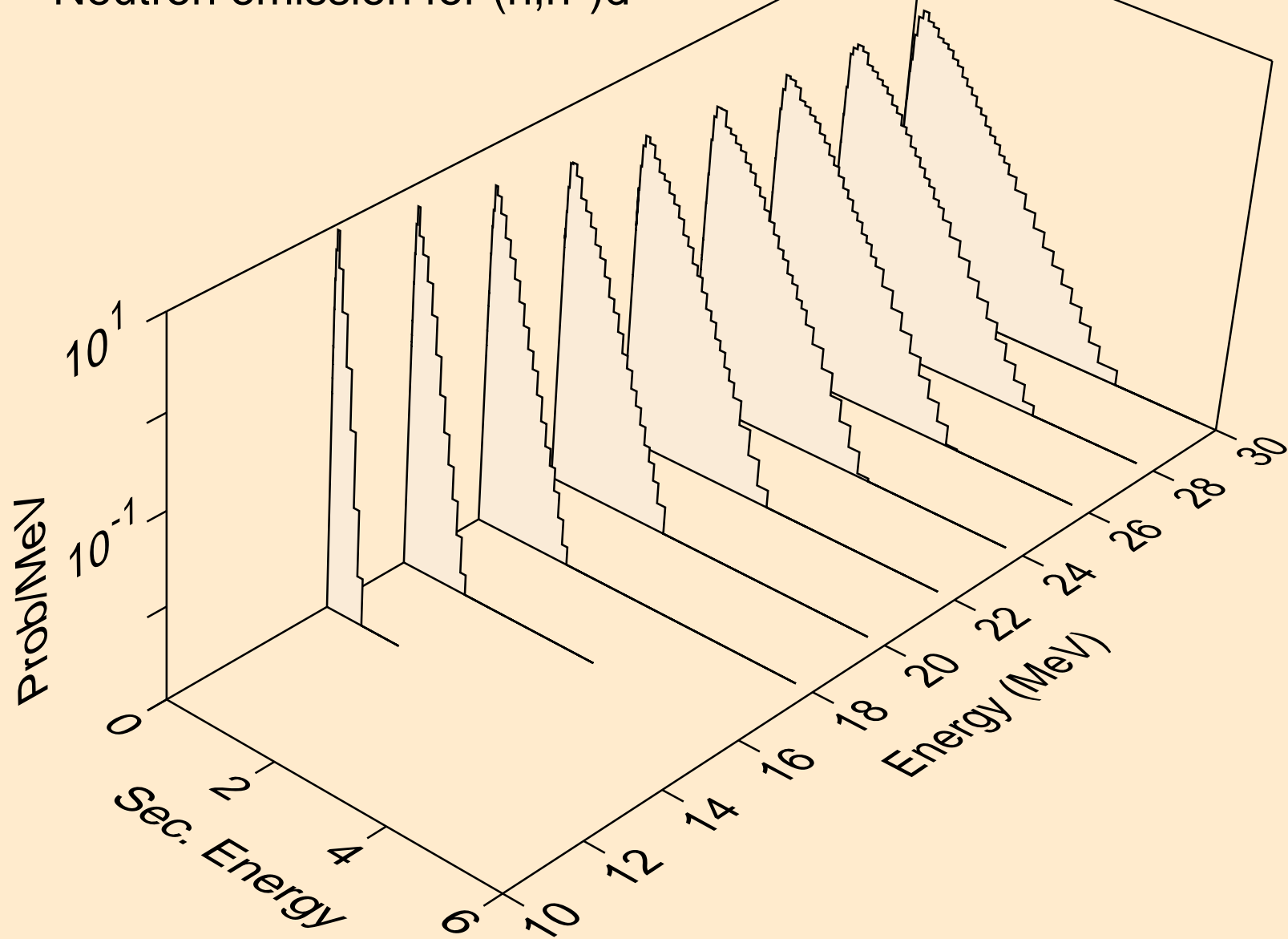
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a

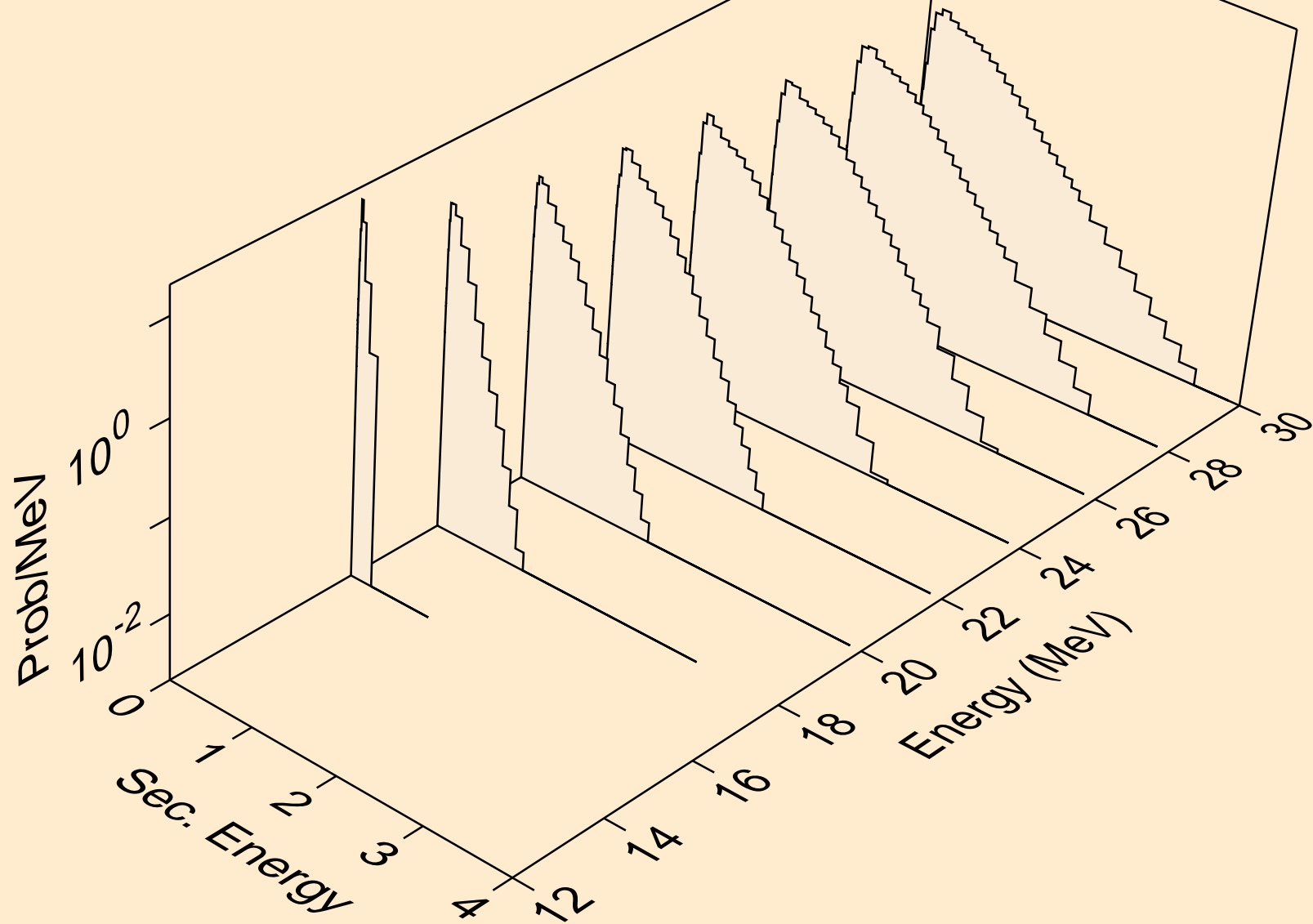


ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

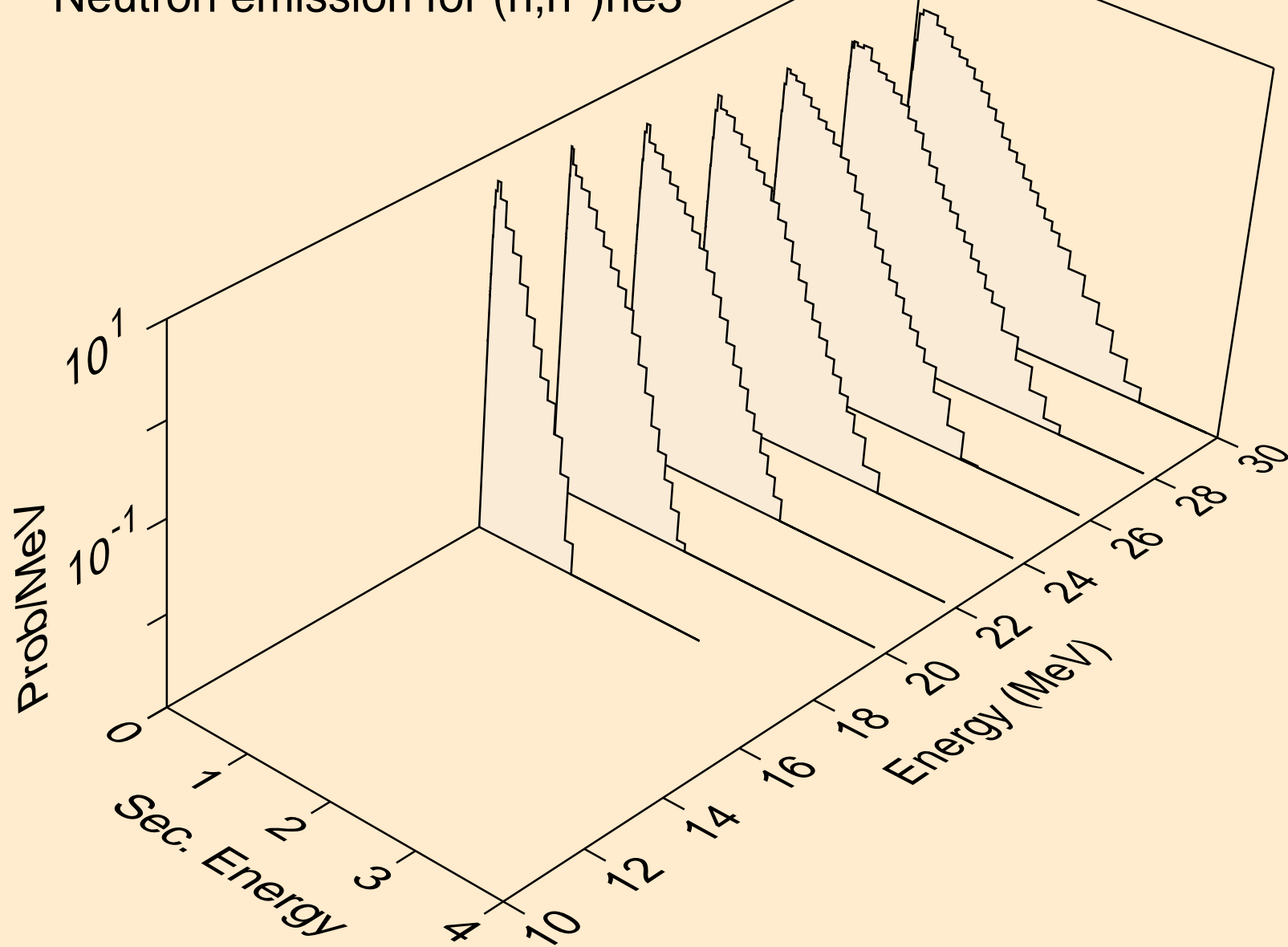




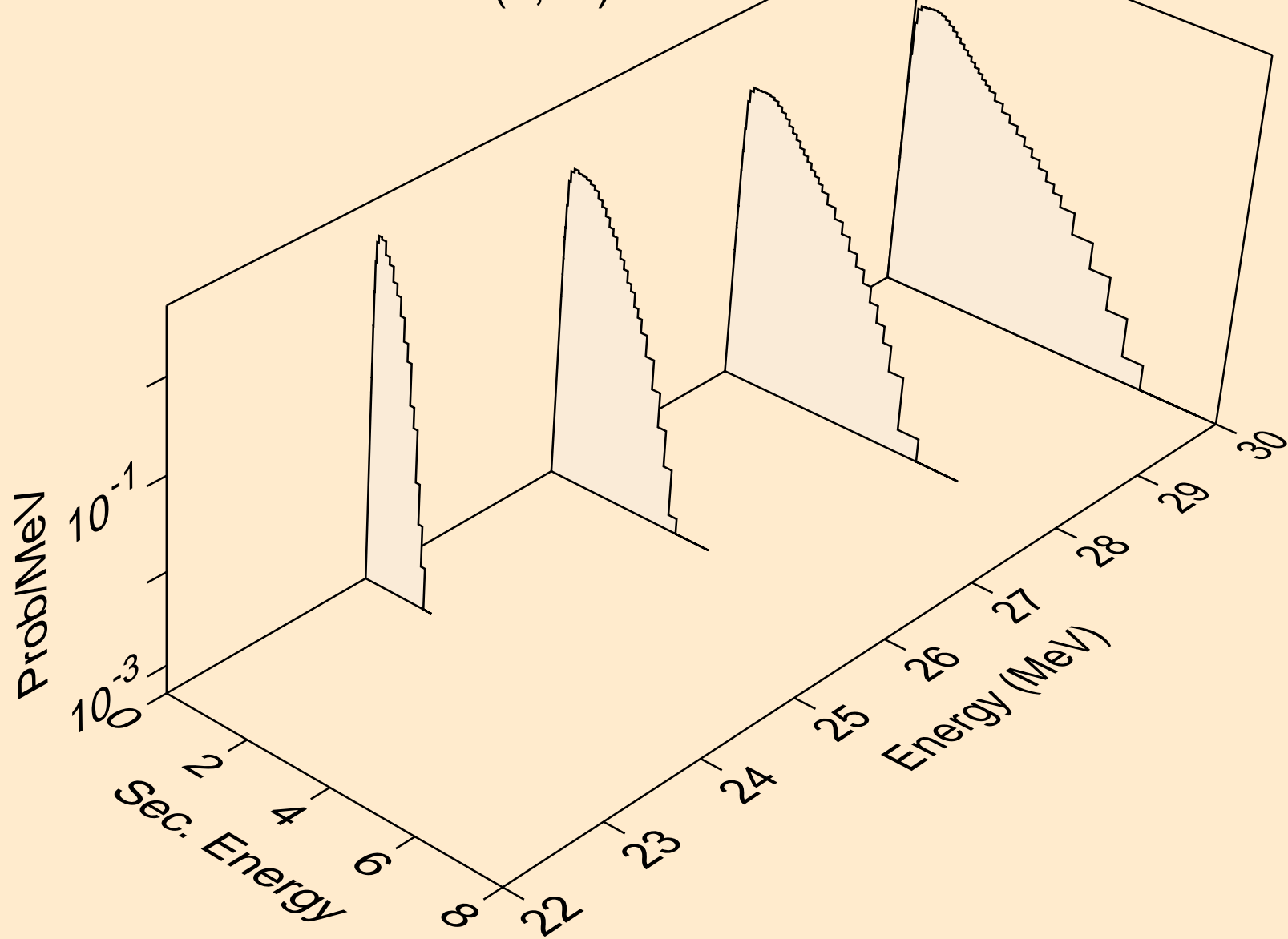
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



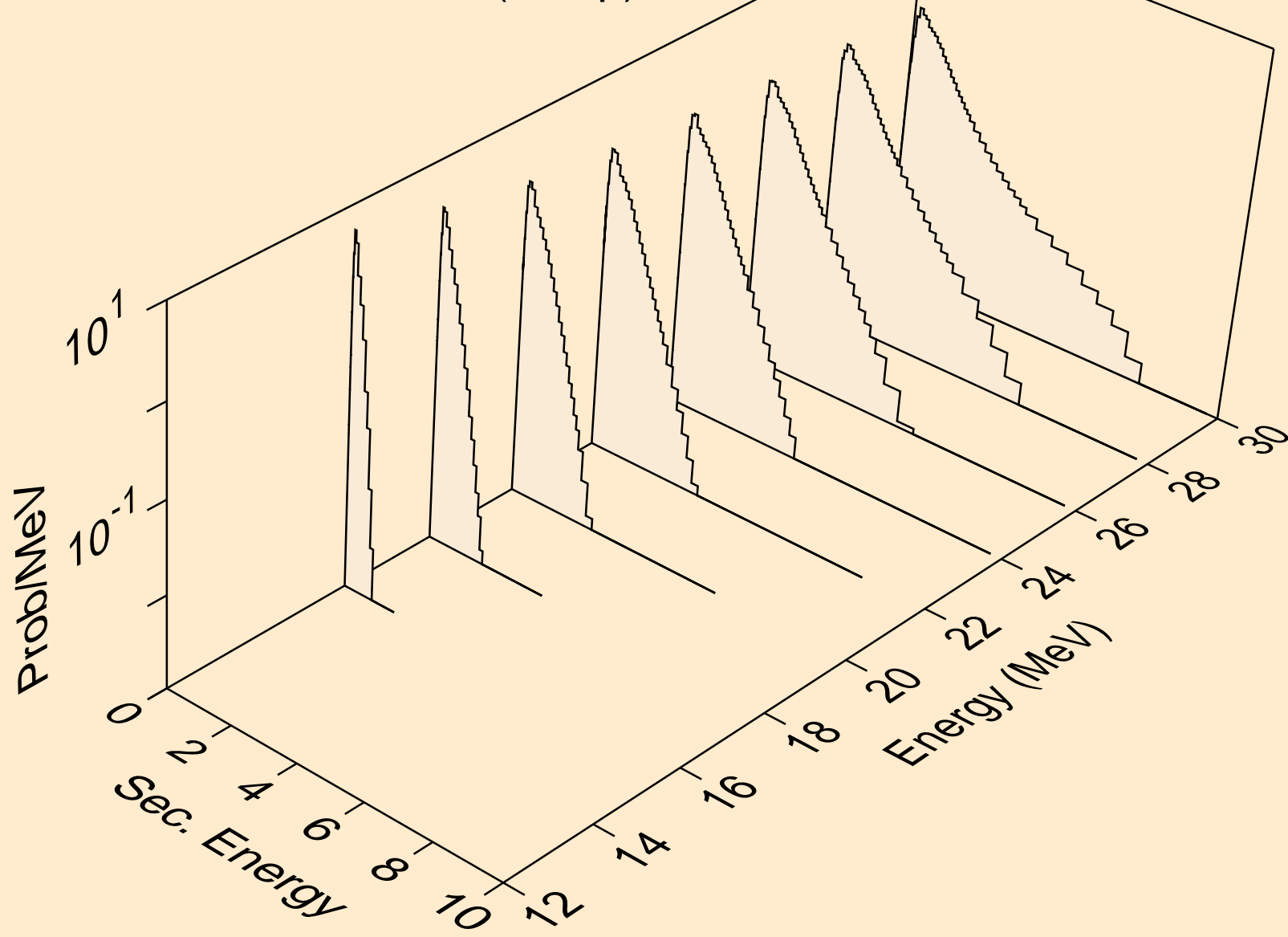
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



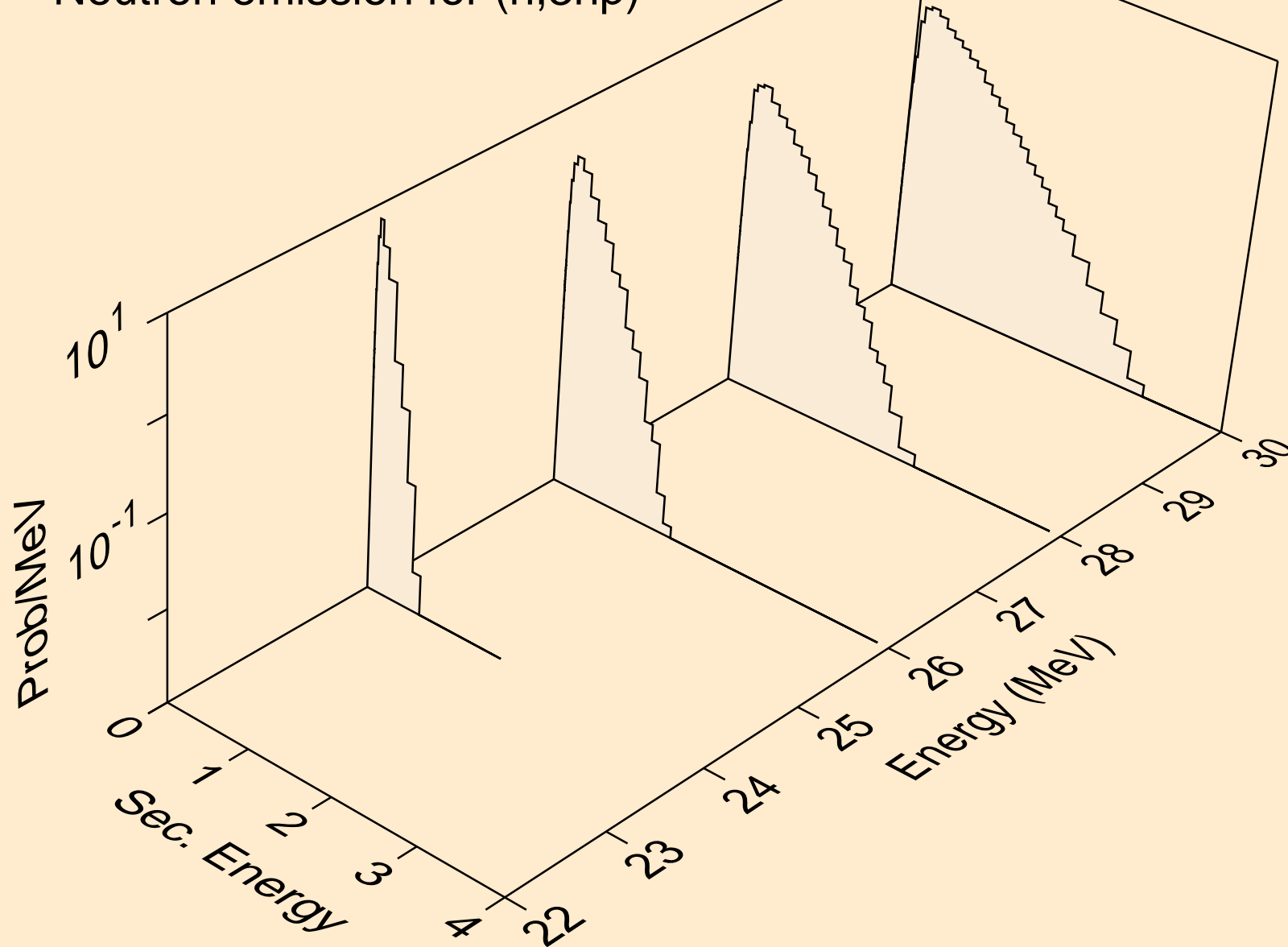
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)



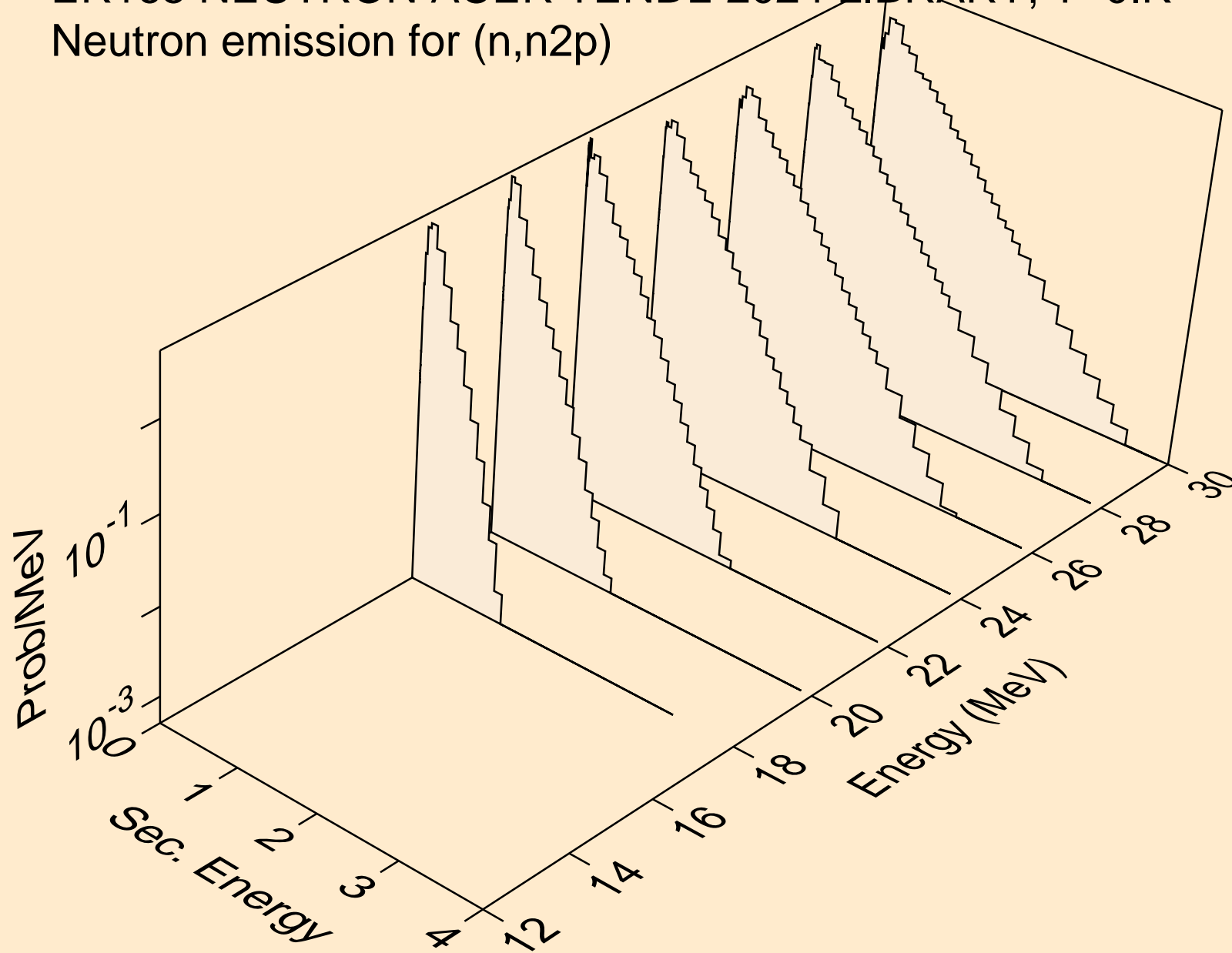
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



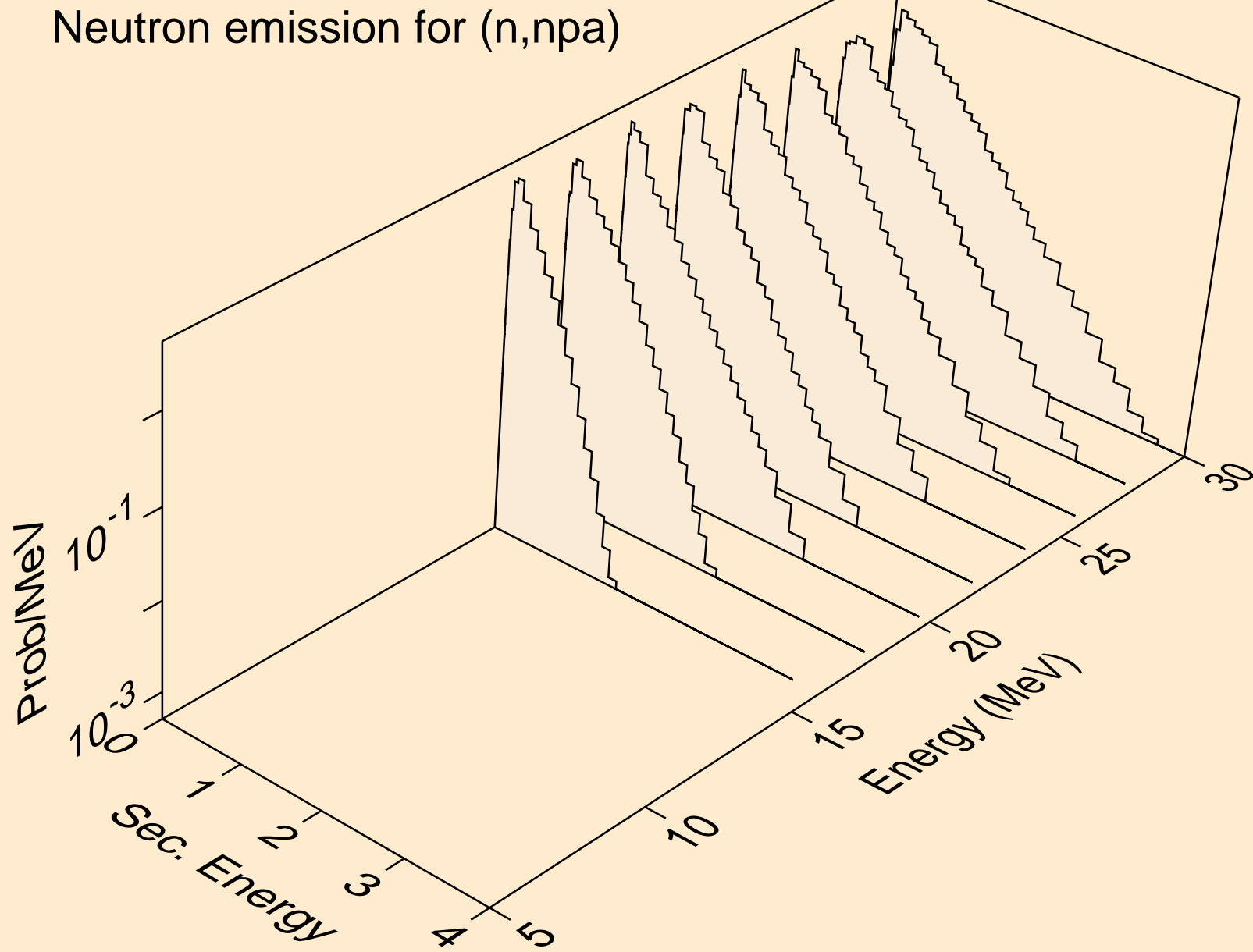
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)



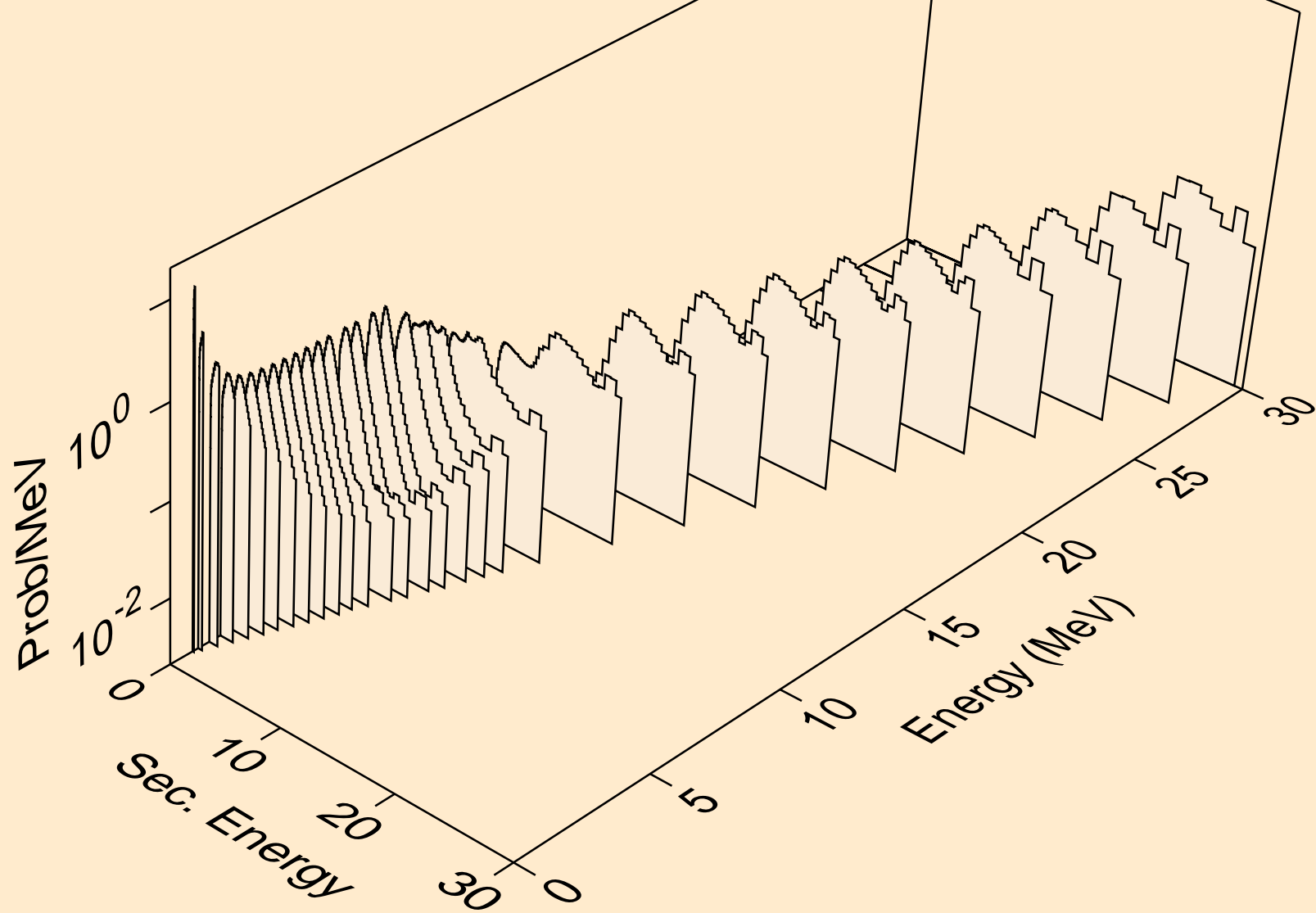
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)

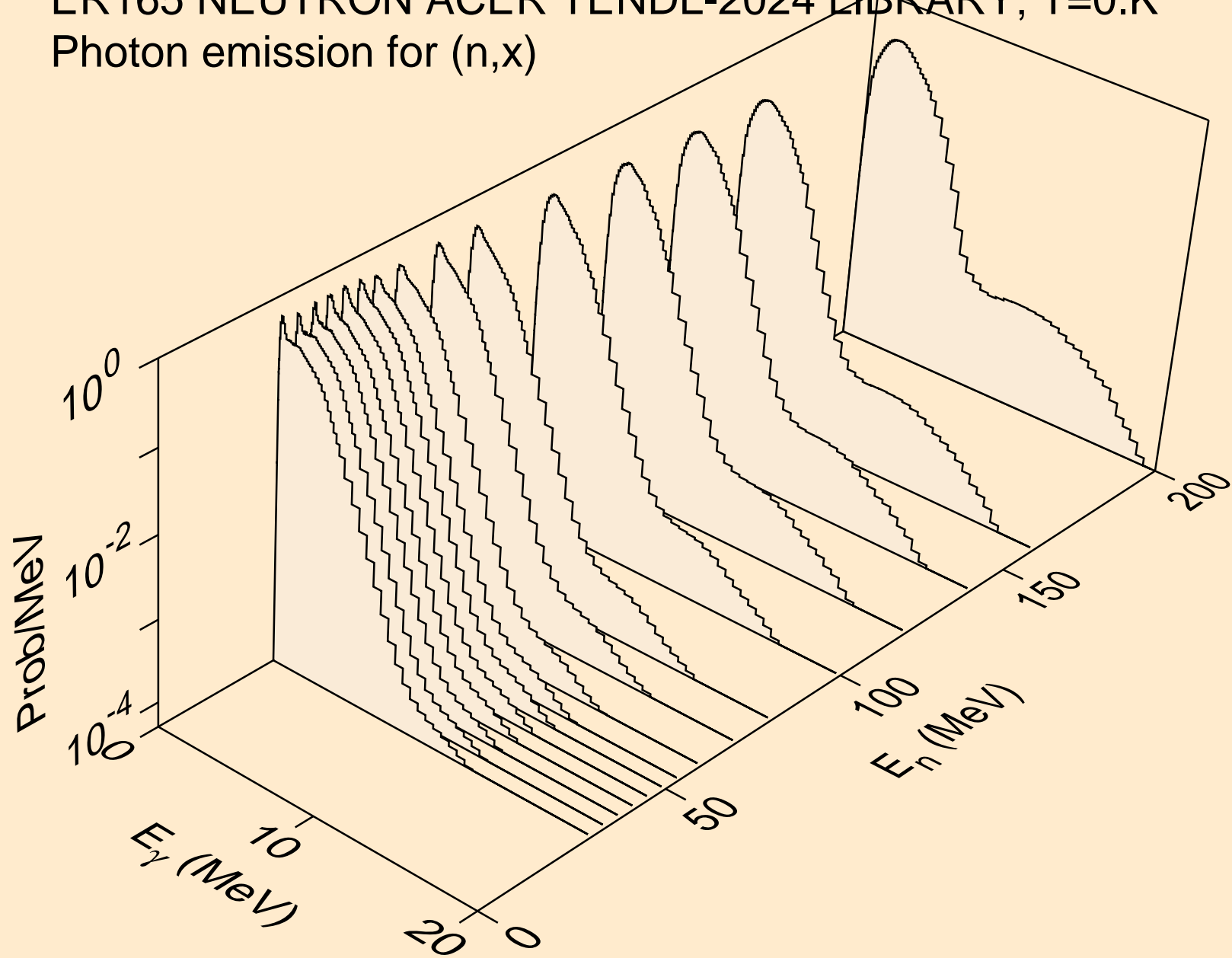


ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)

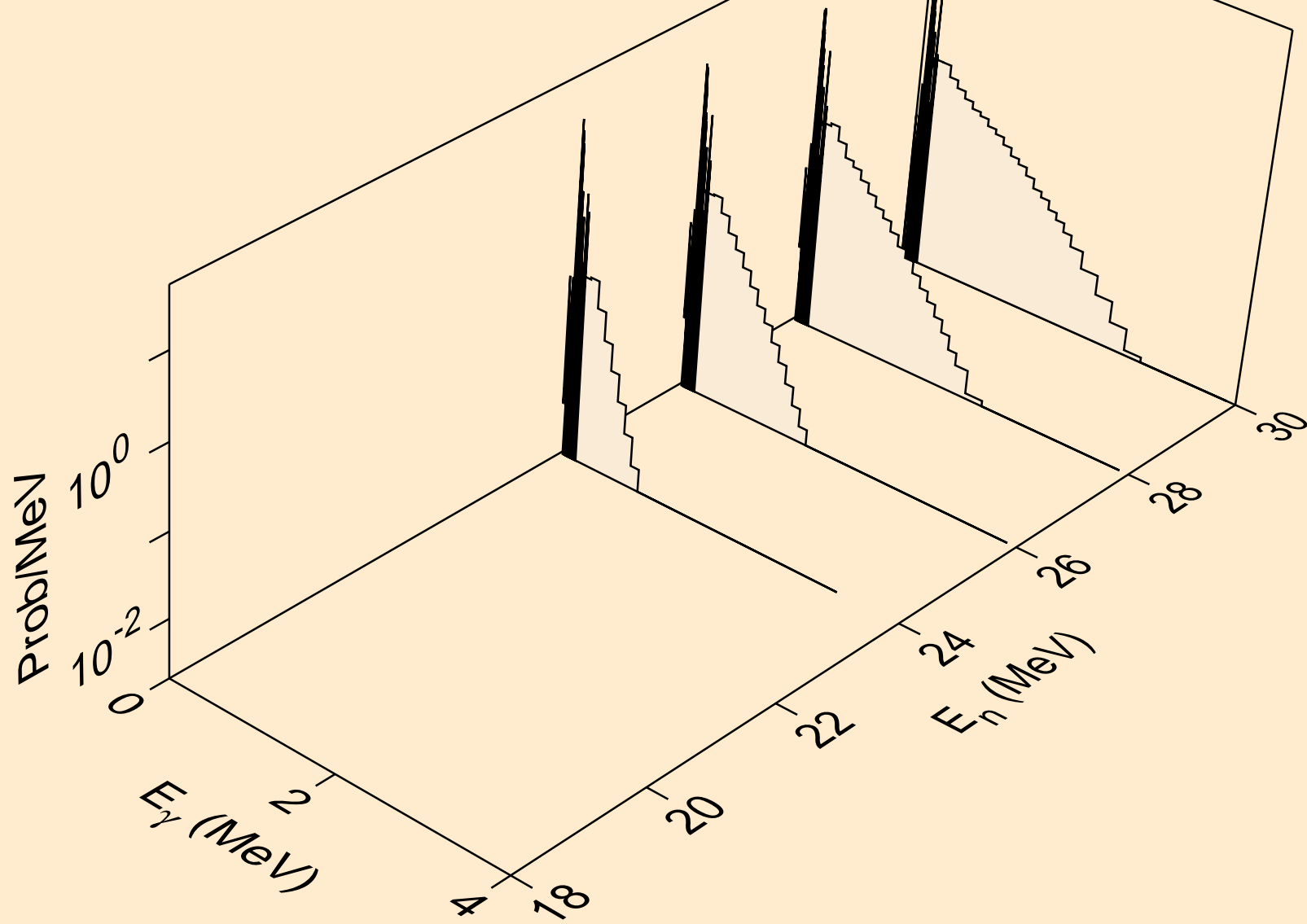




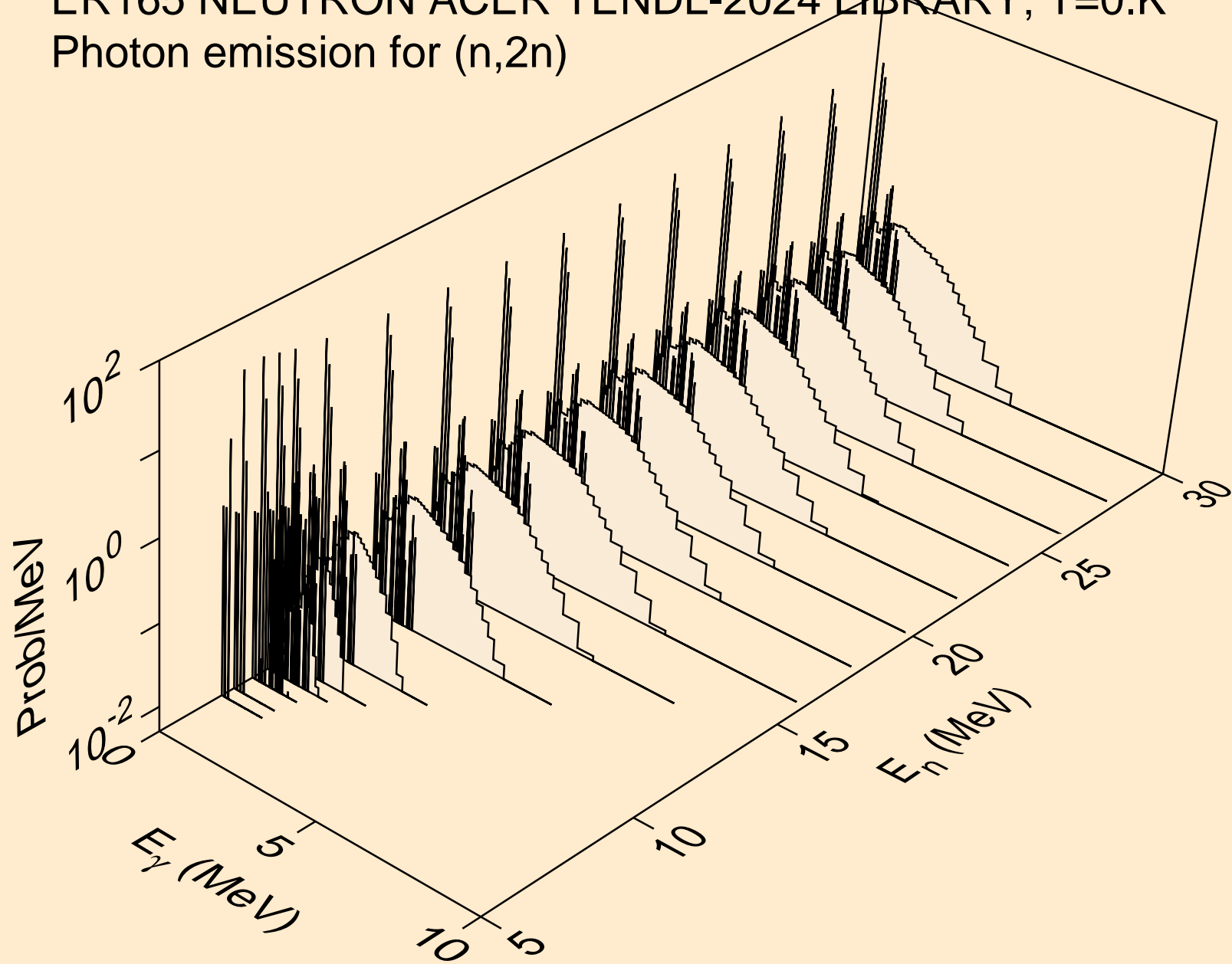
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



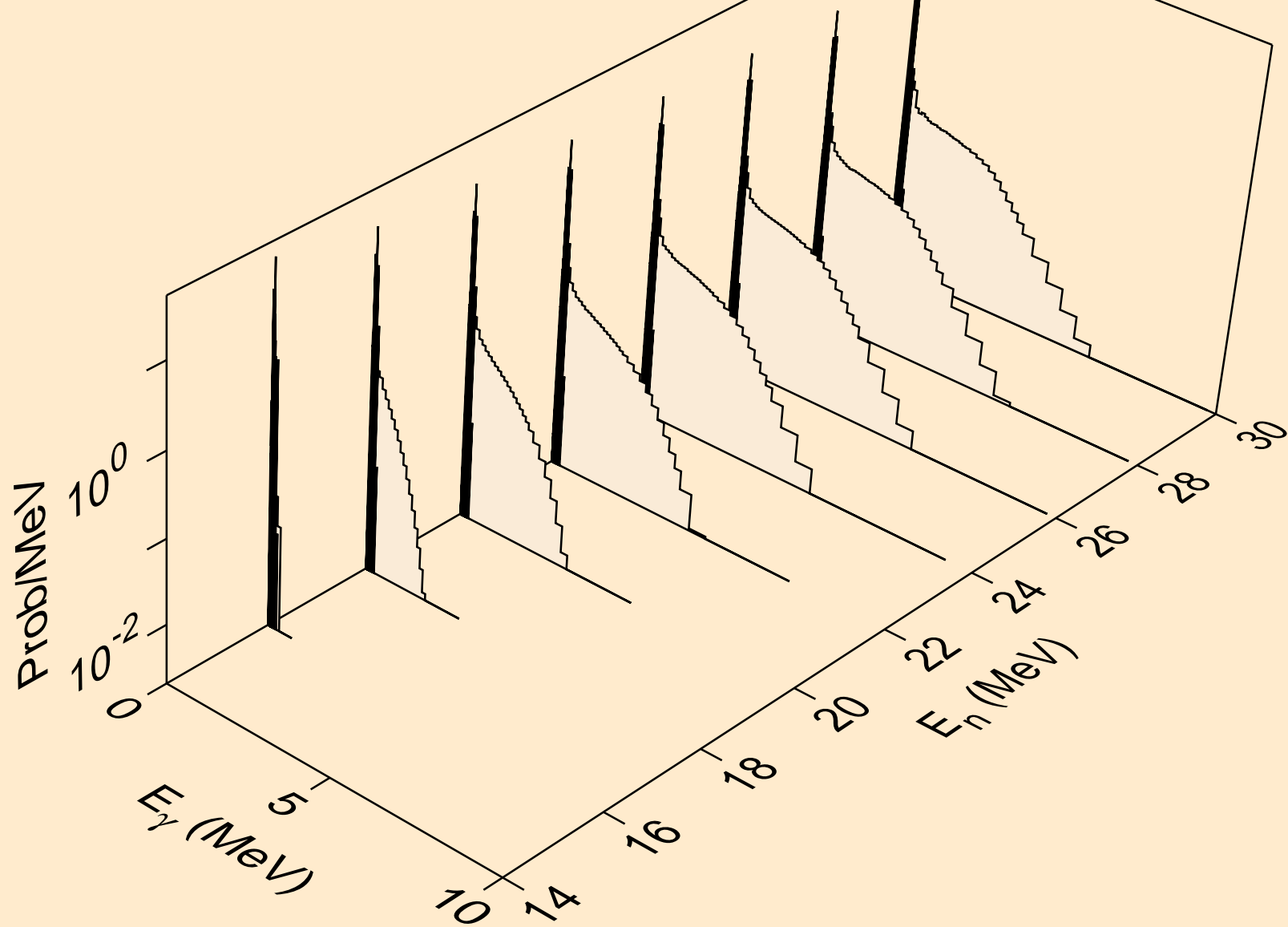
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



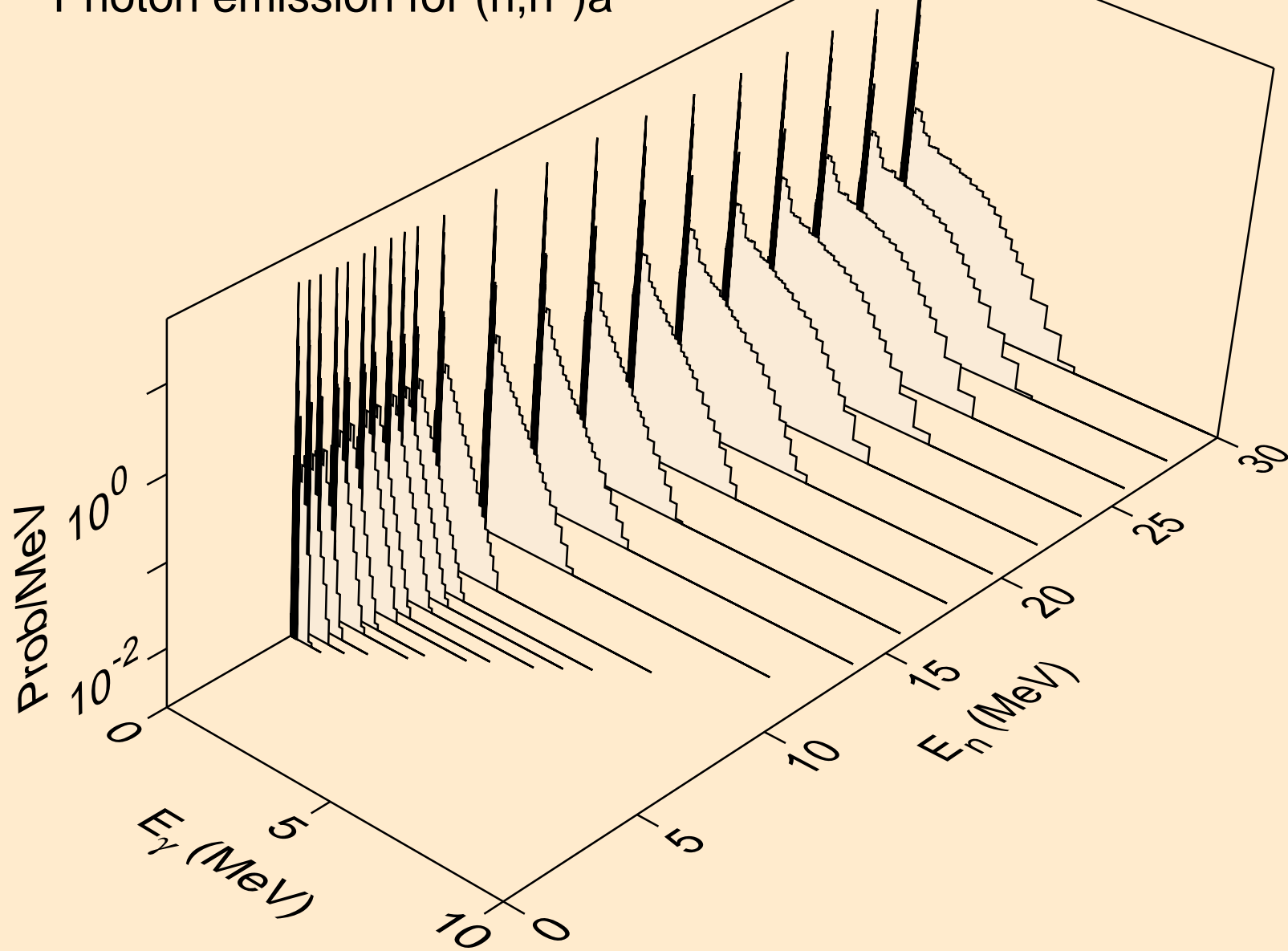
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



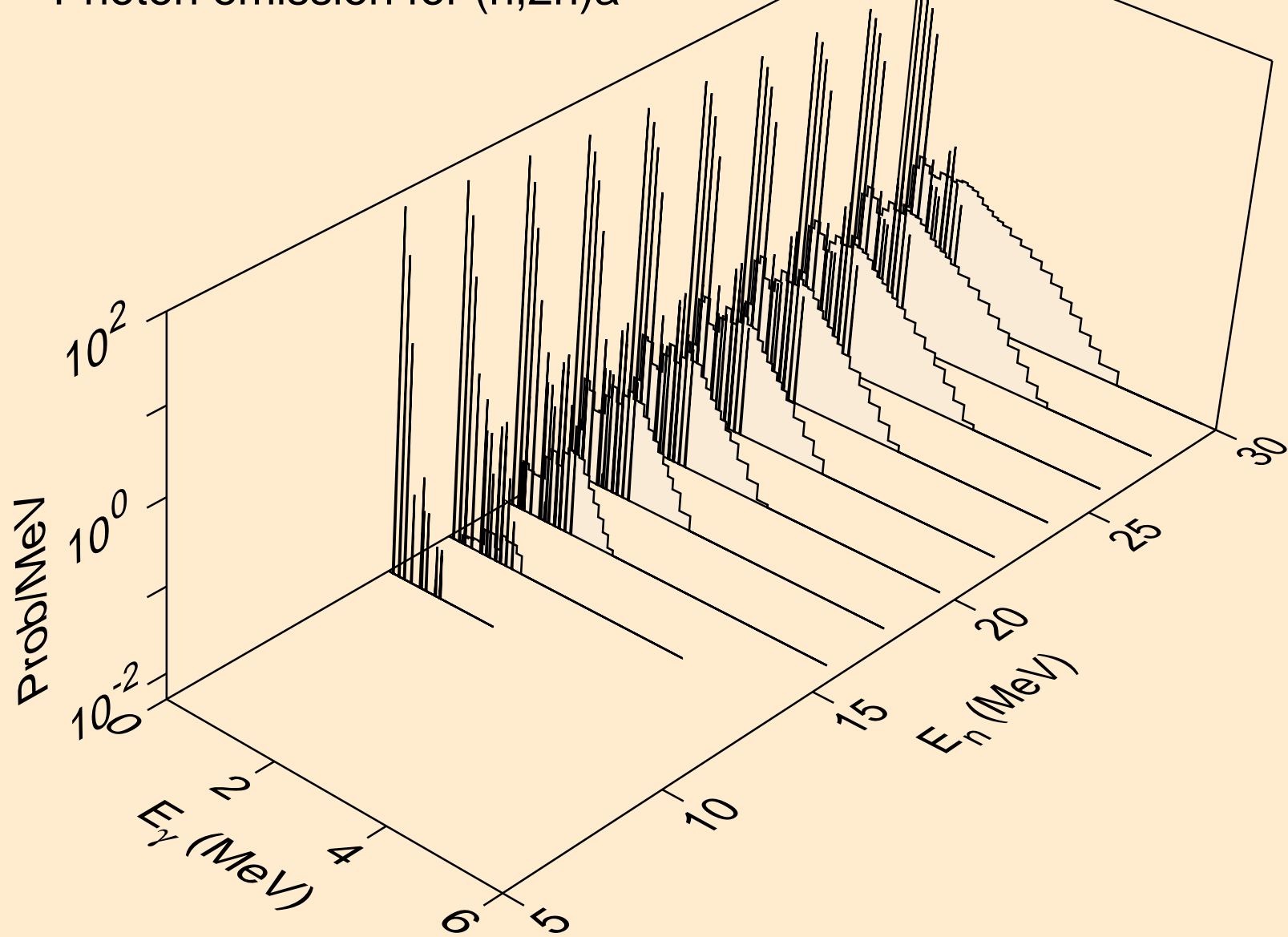
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



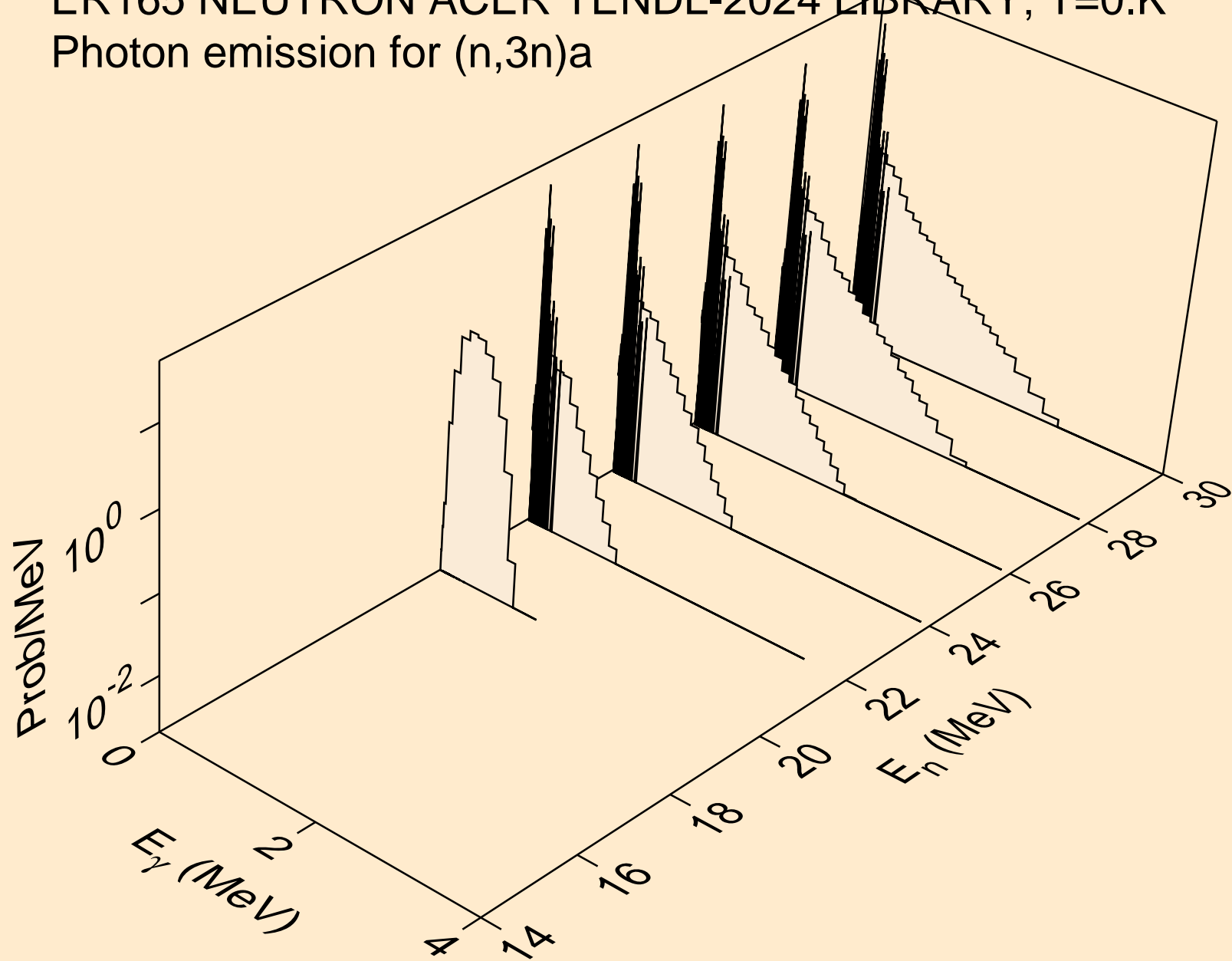
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



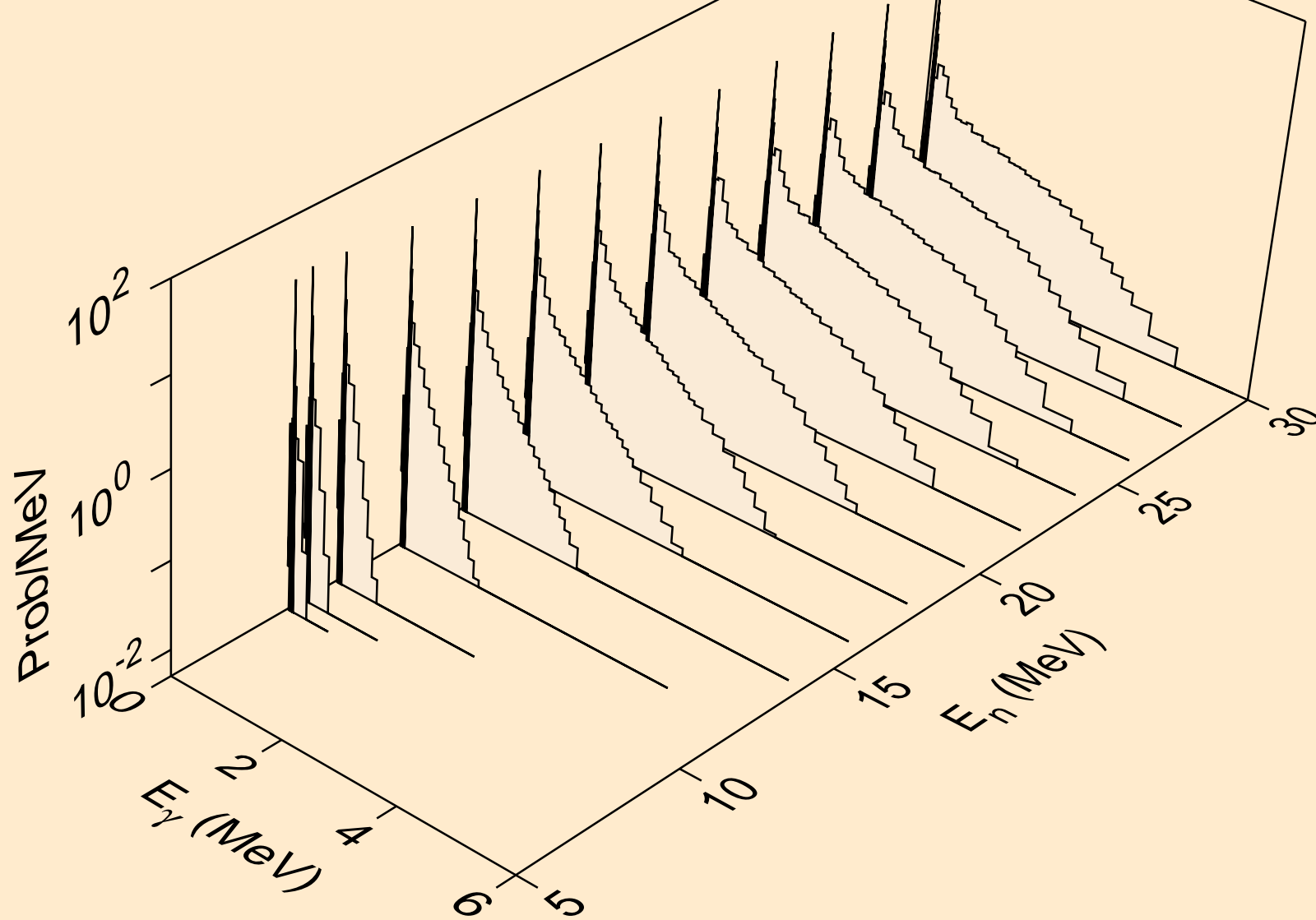
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a

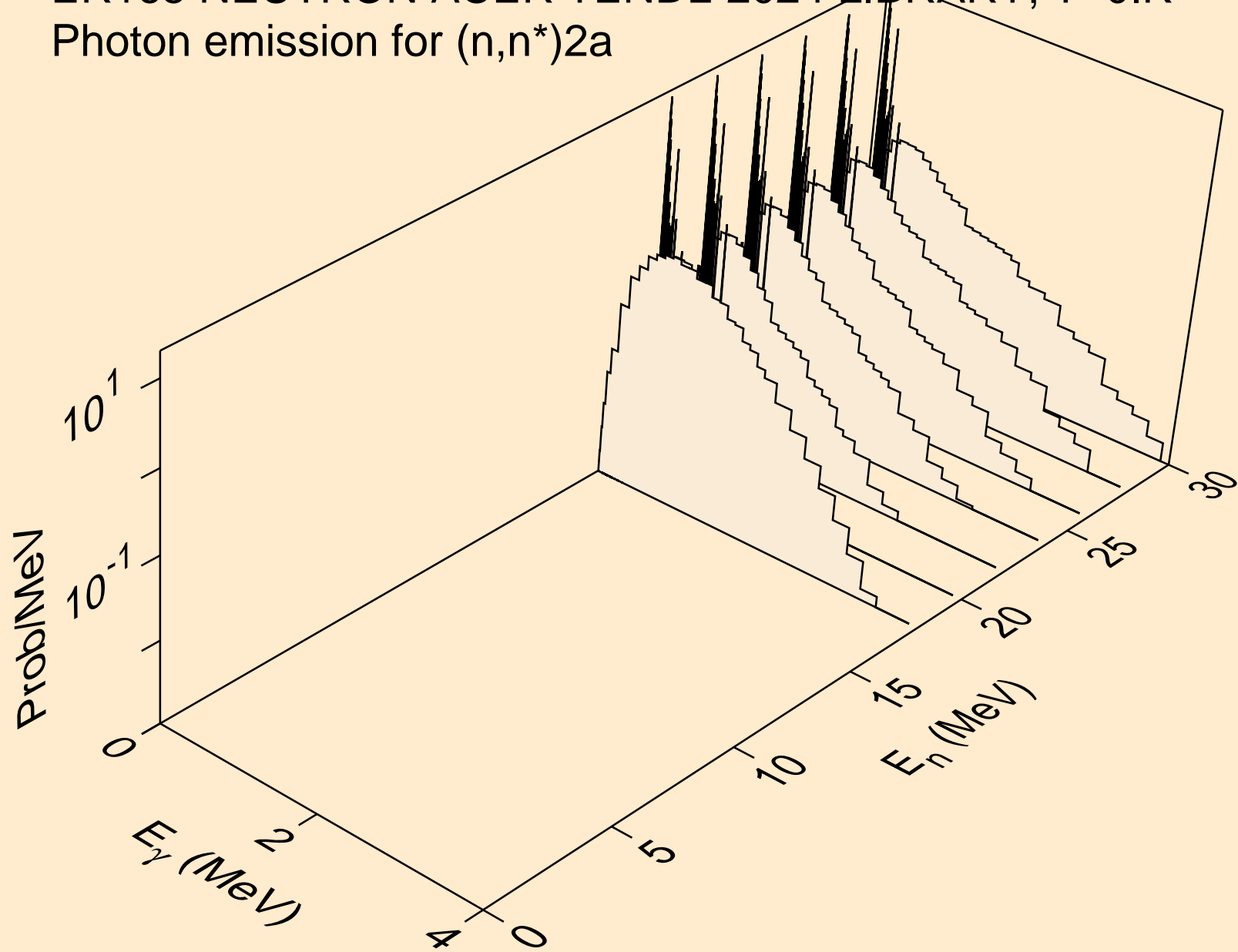


ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

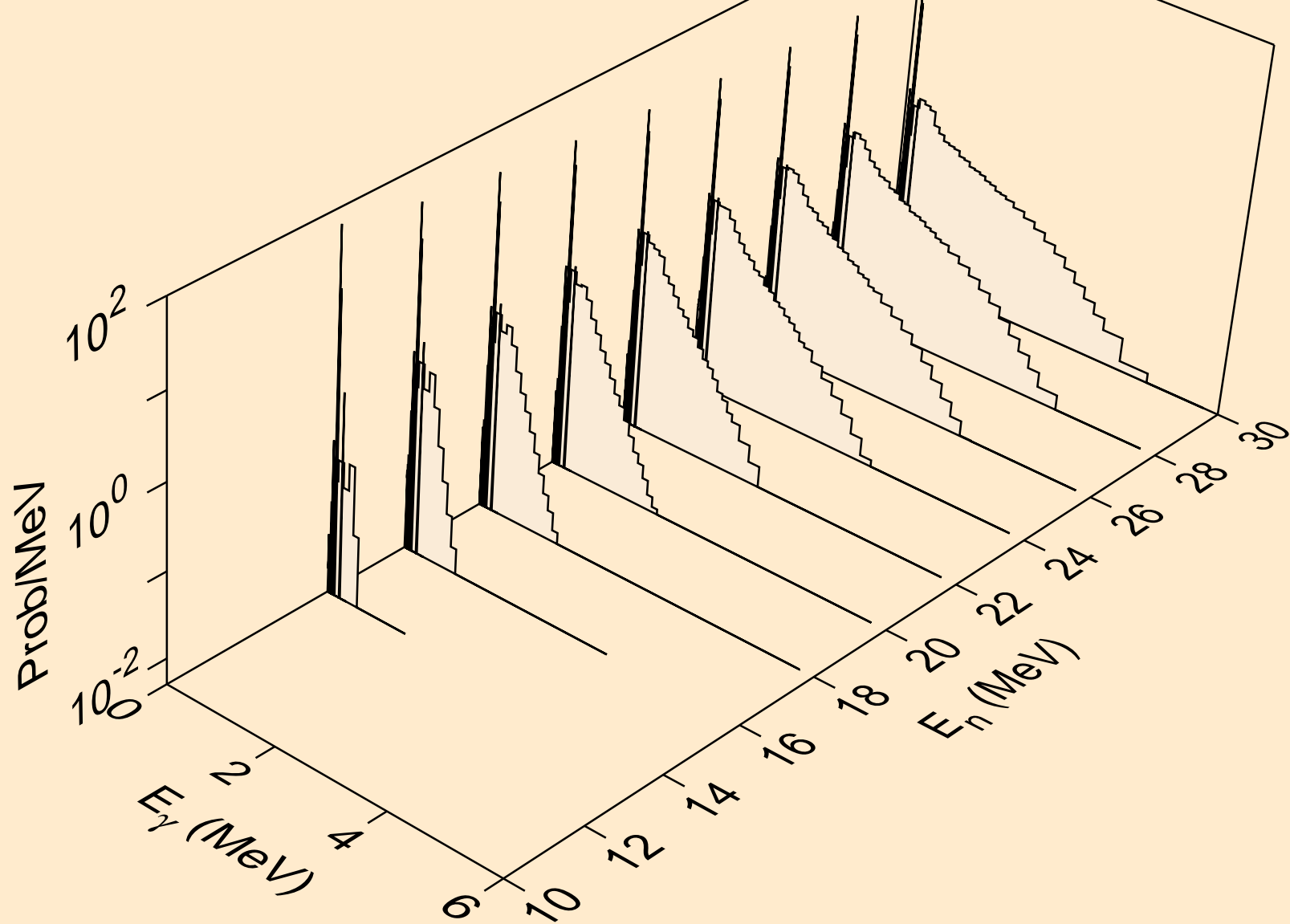




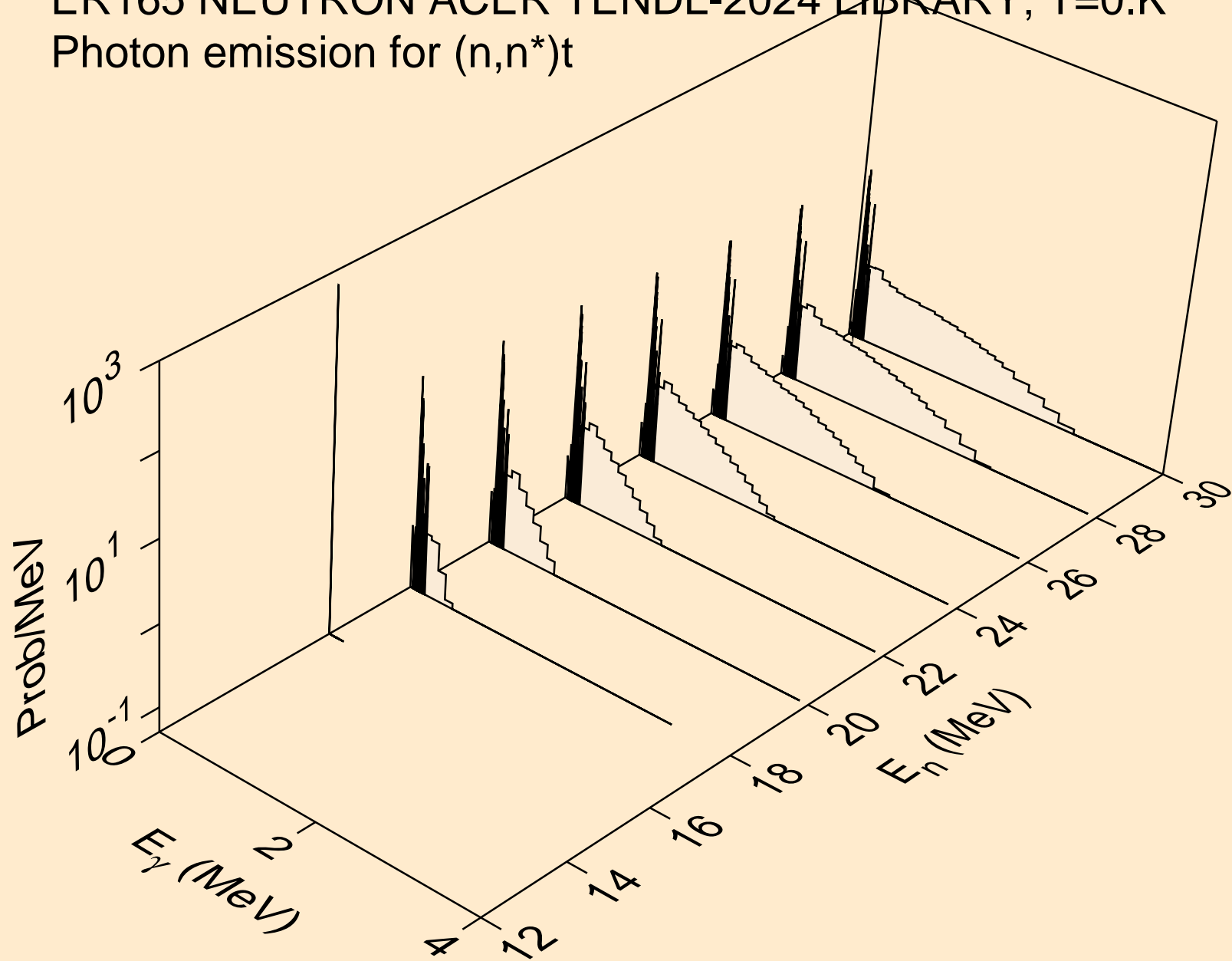
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



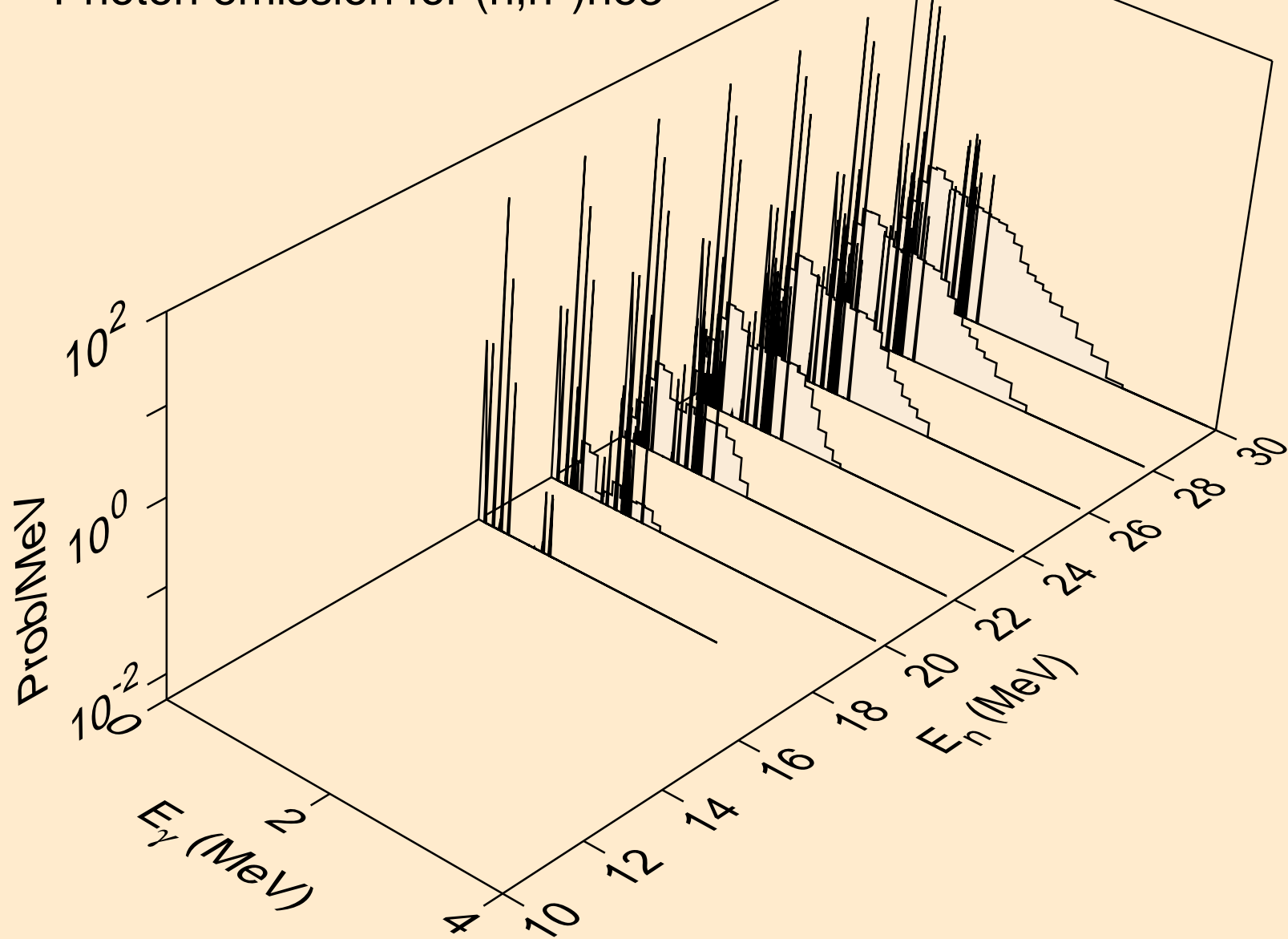
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



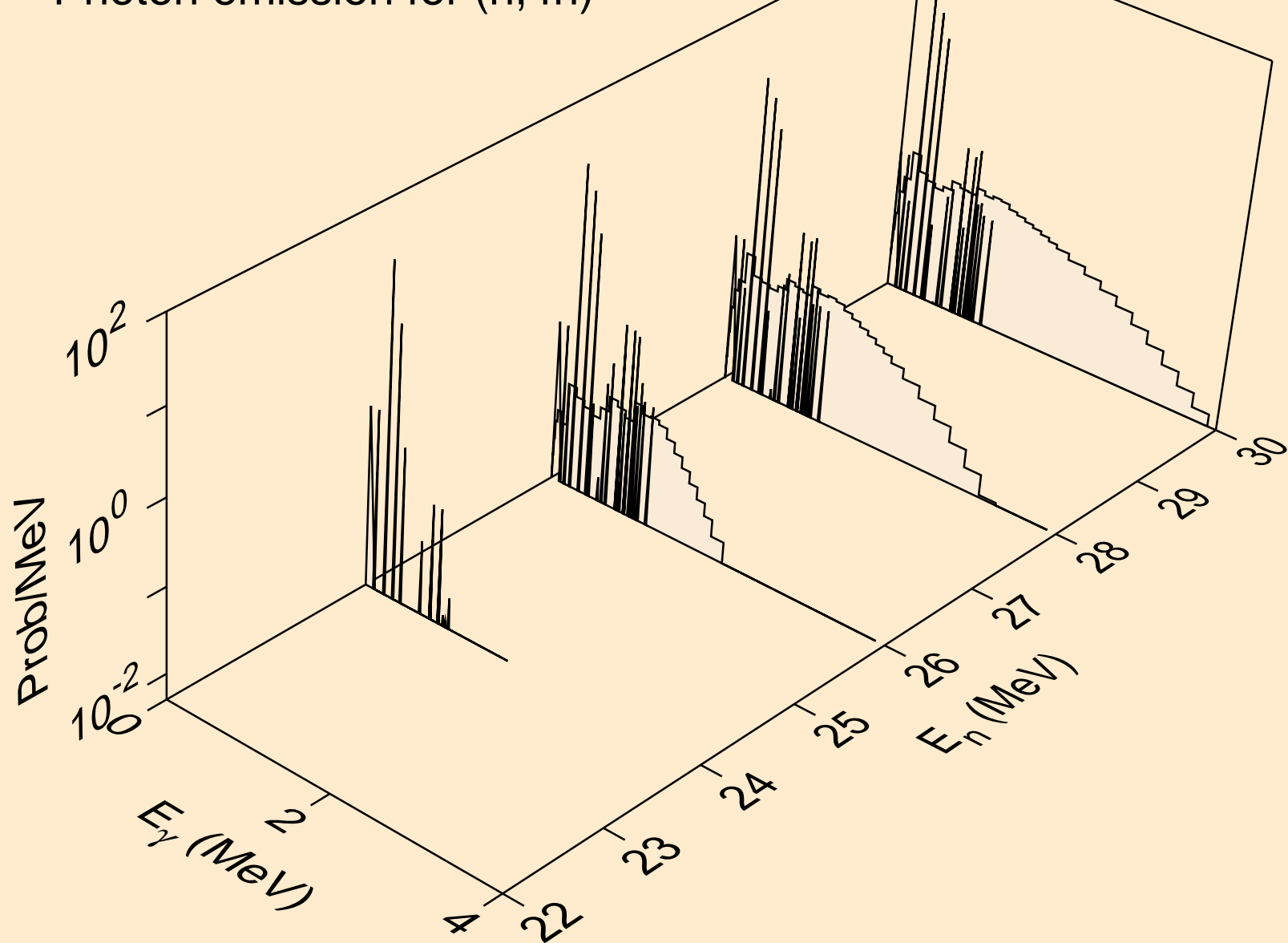
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



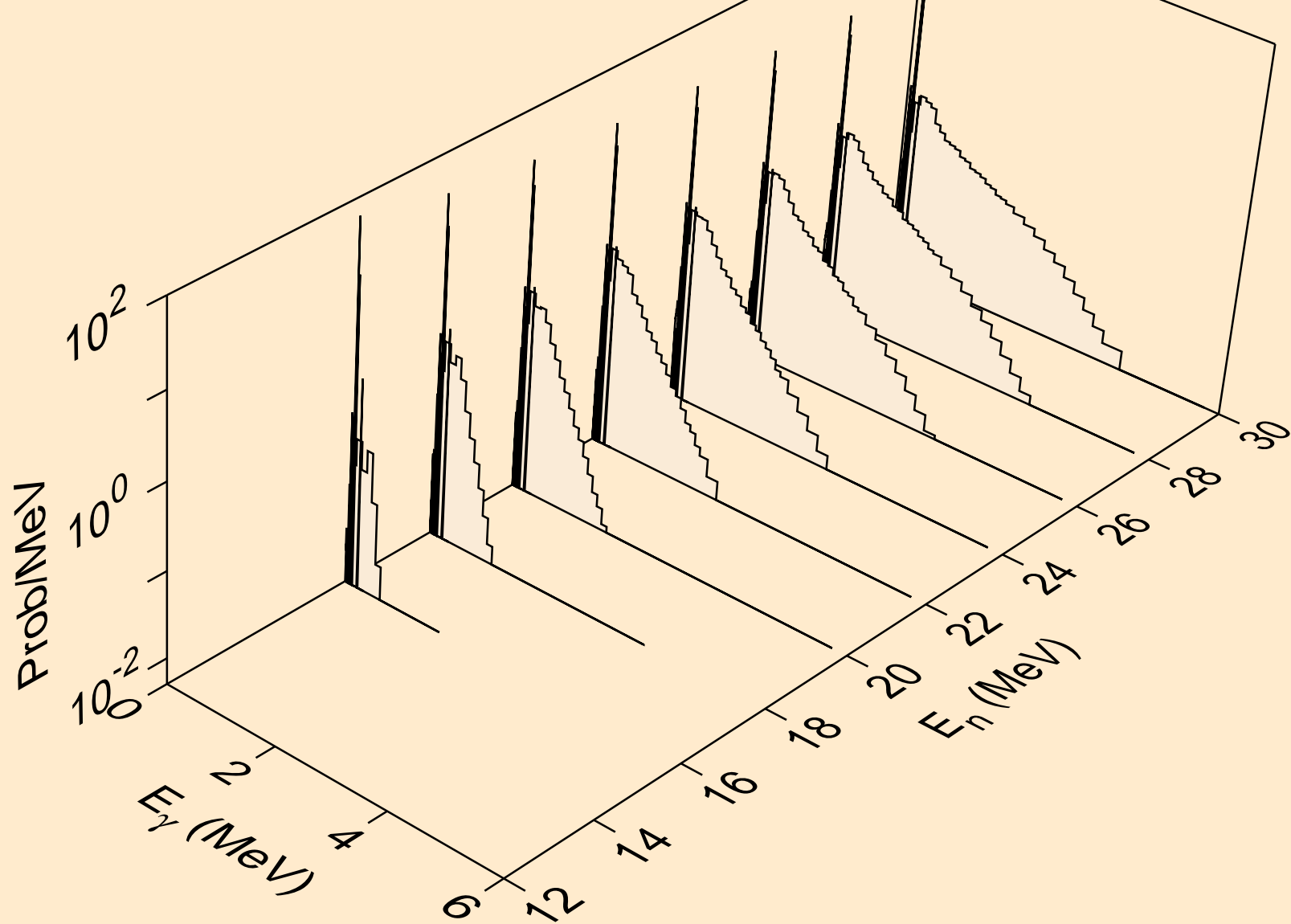
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



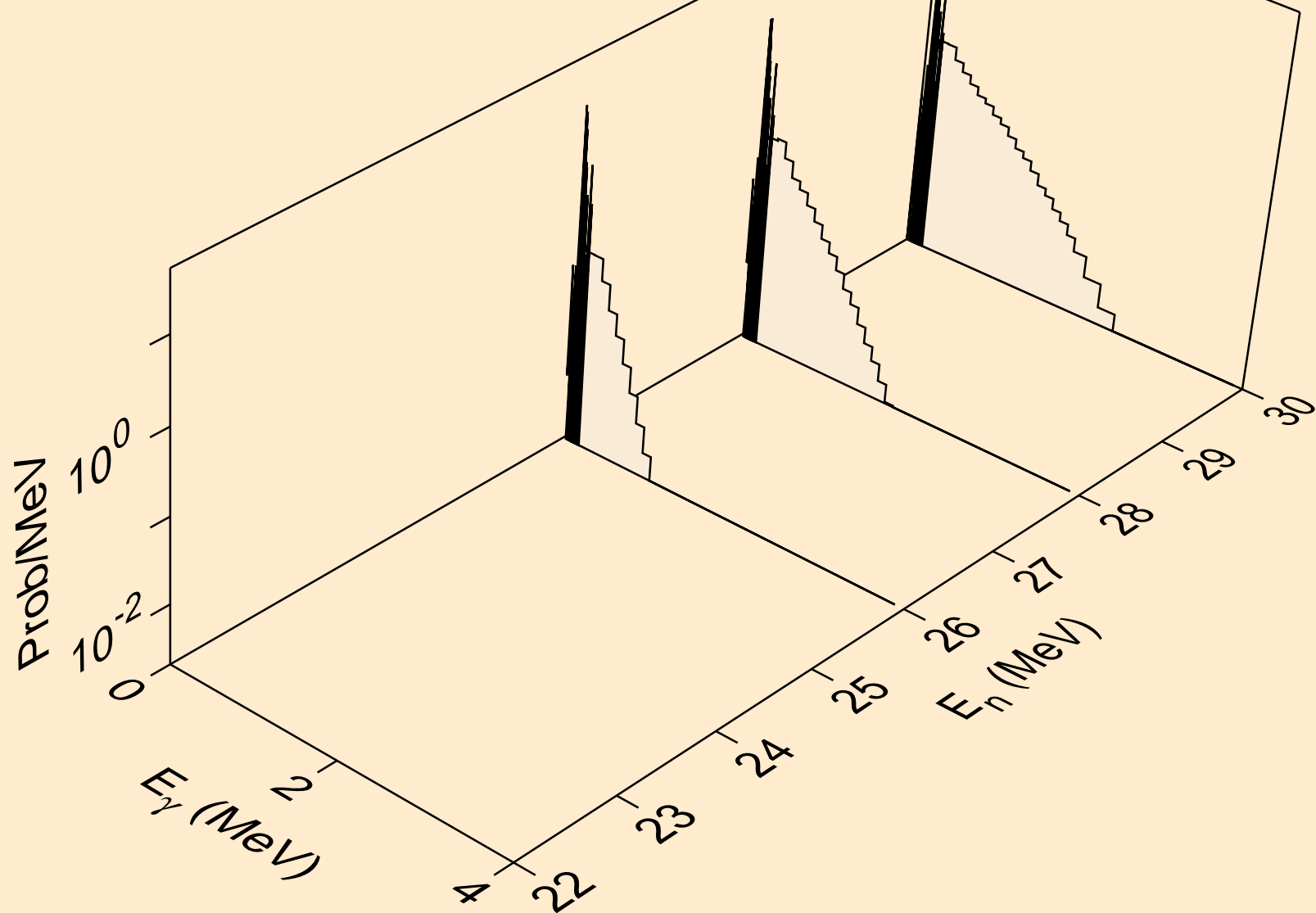
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



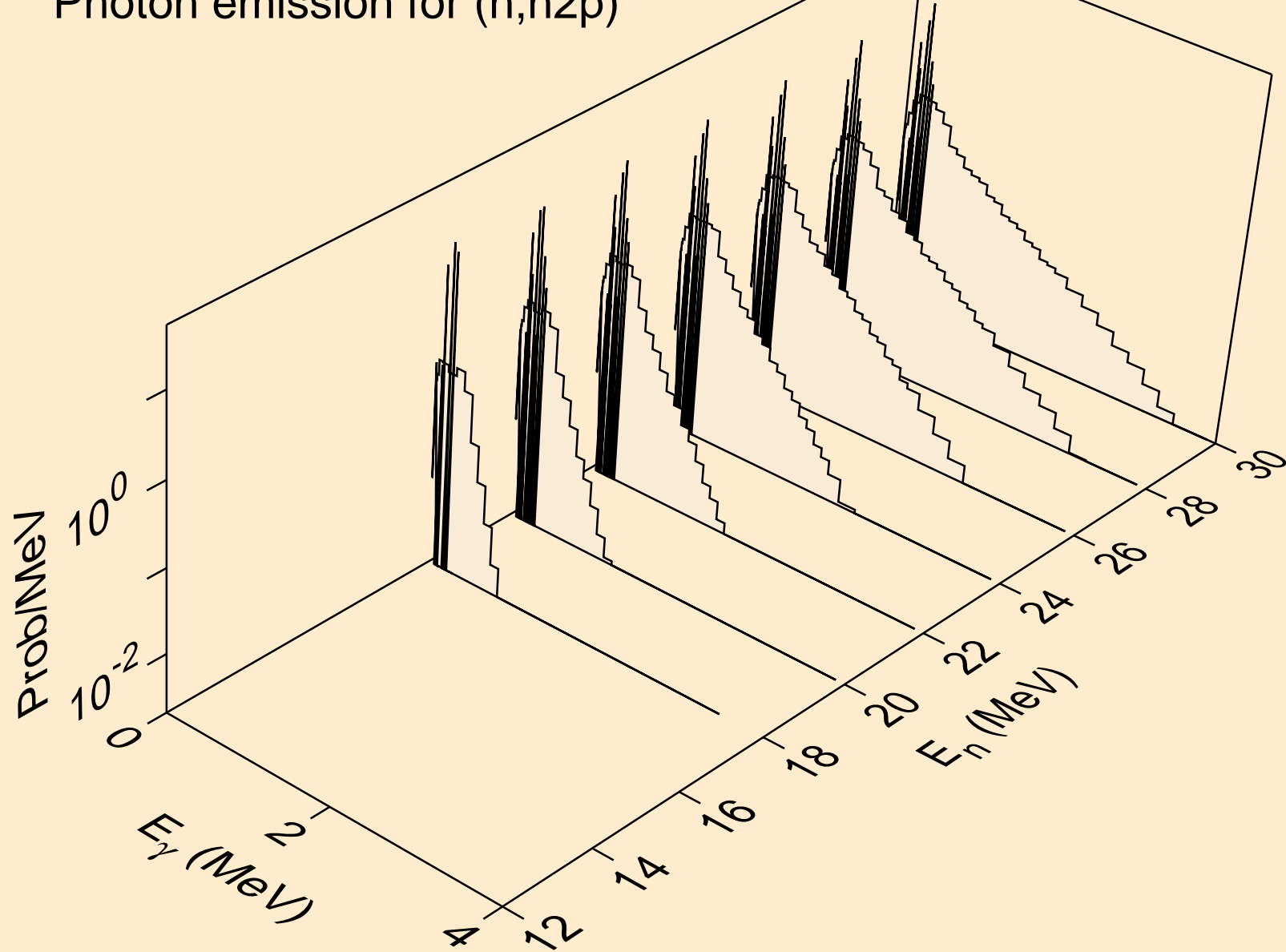
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)

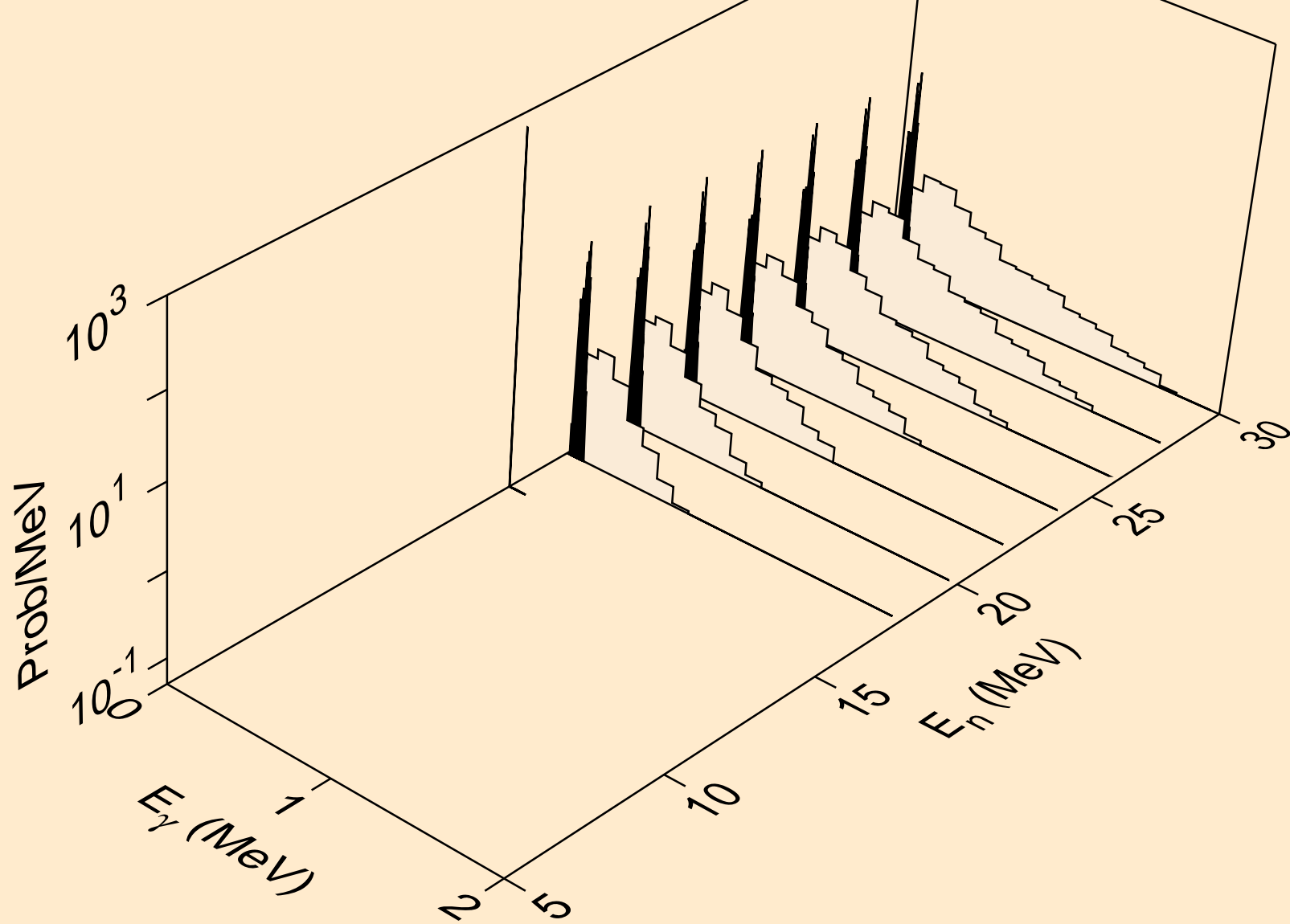


ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)

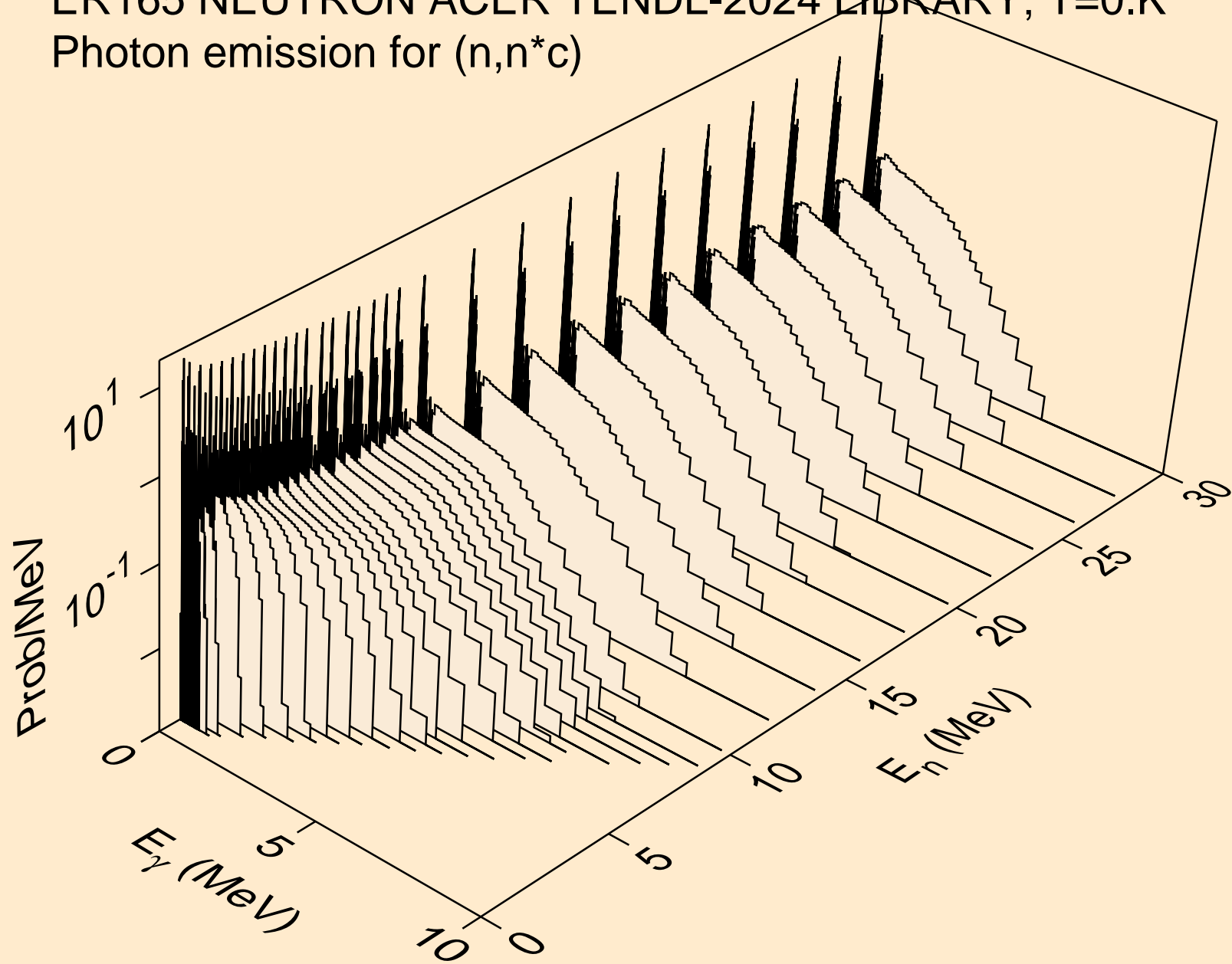




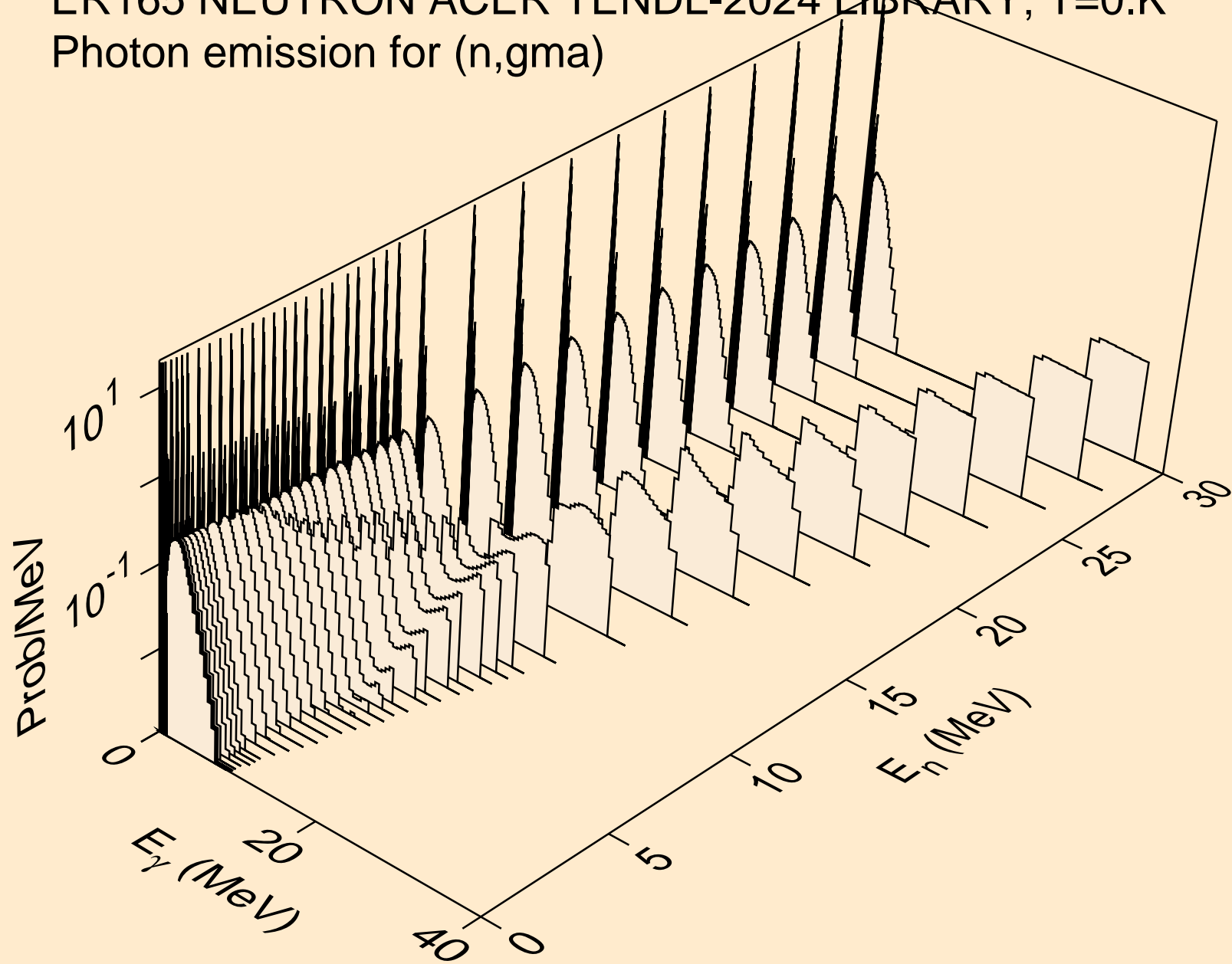
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



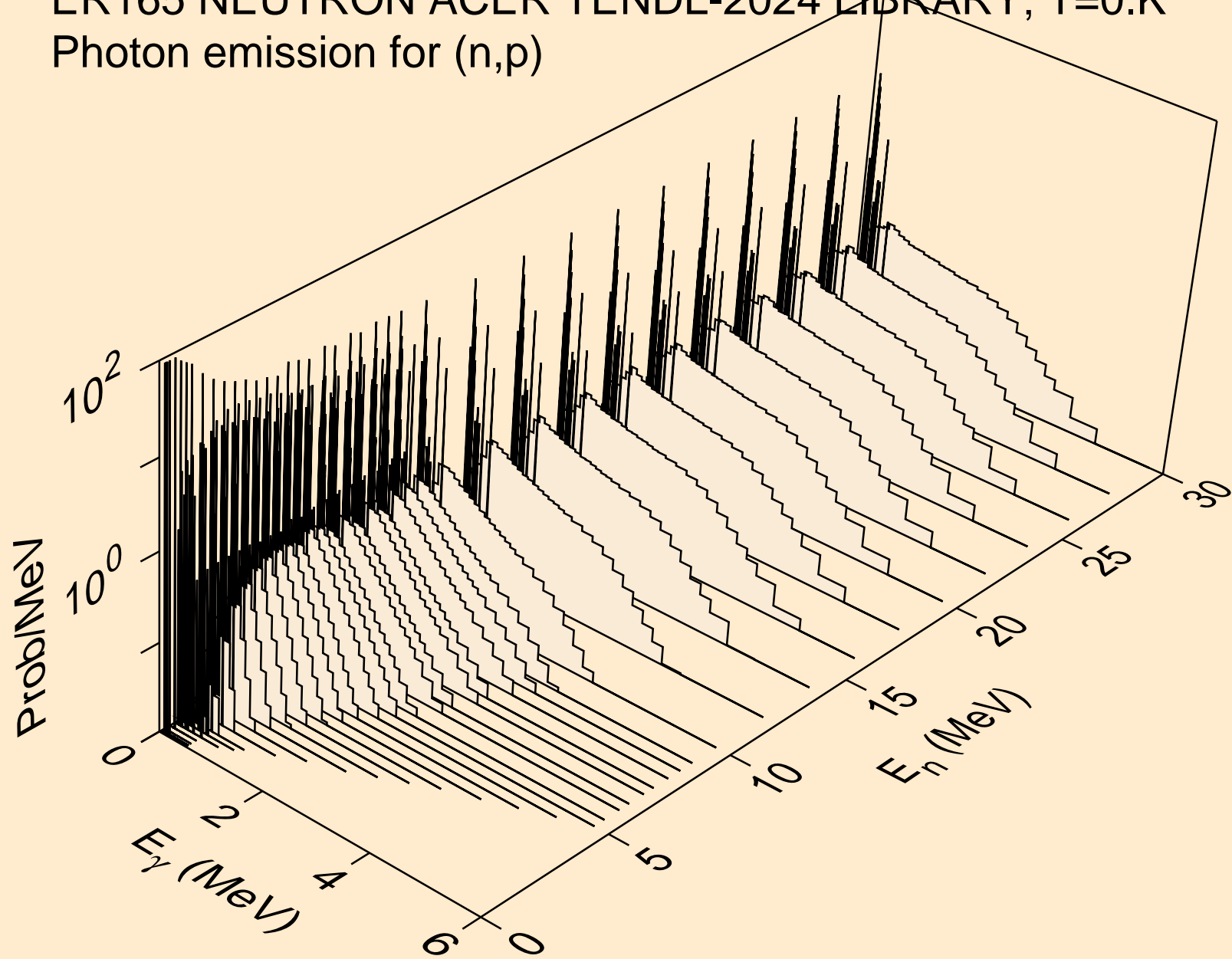
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



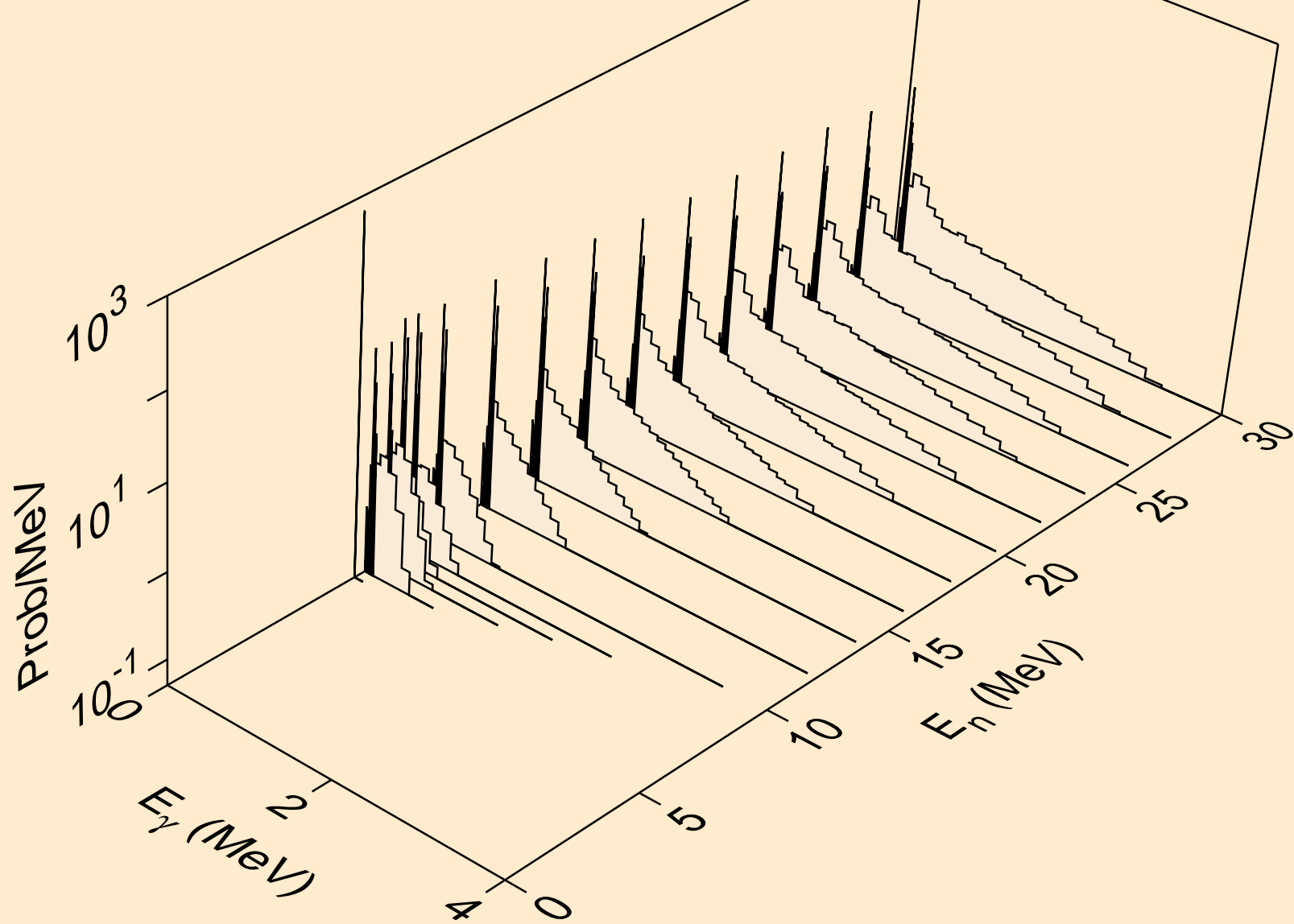
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Photon emission for (n,gma)



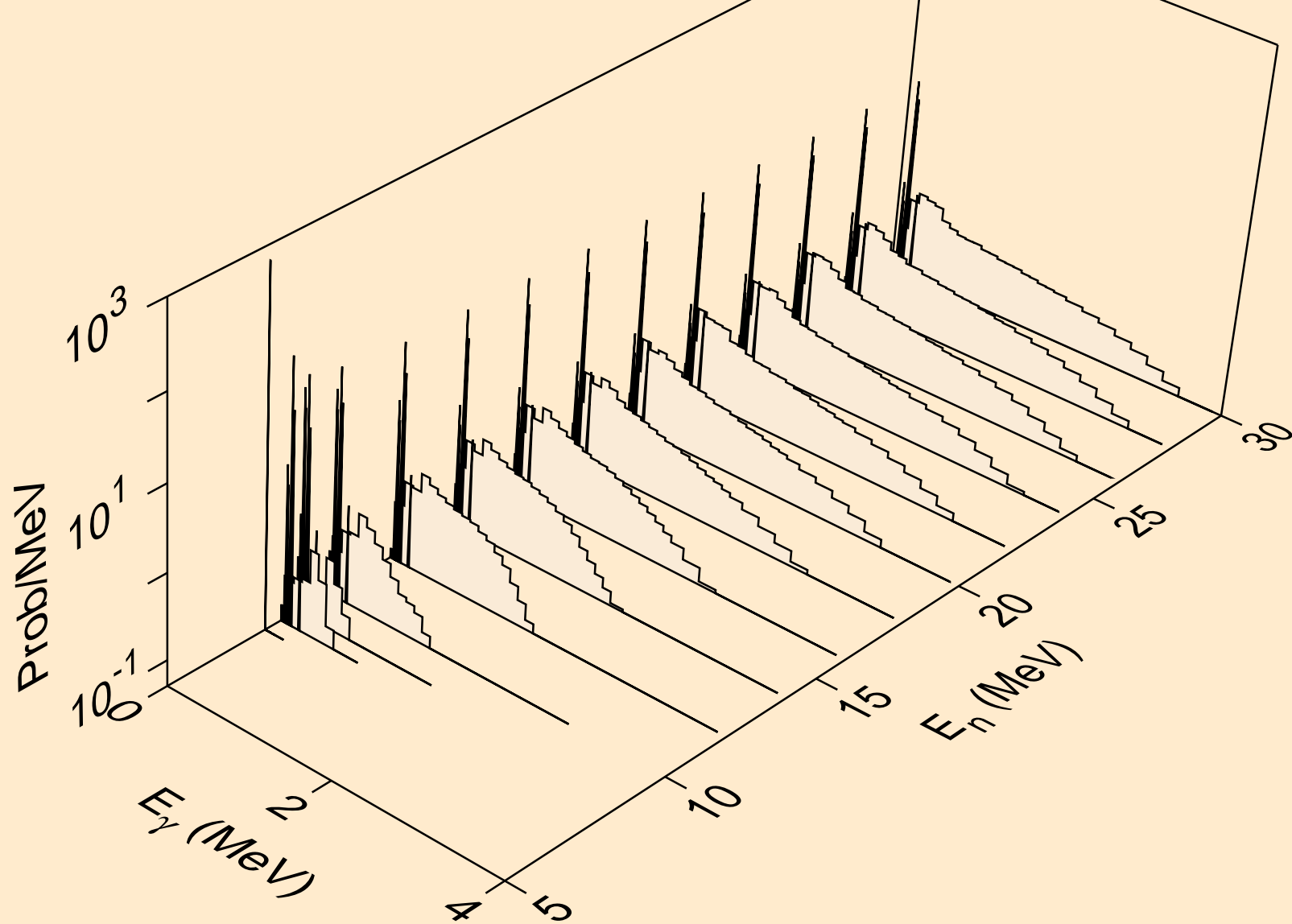
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



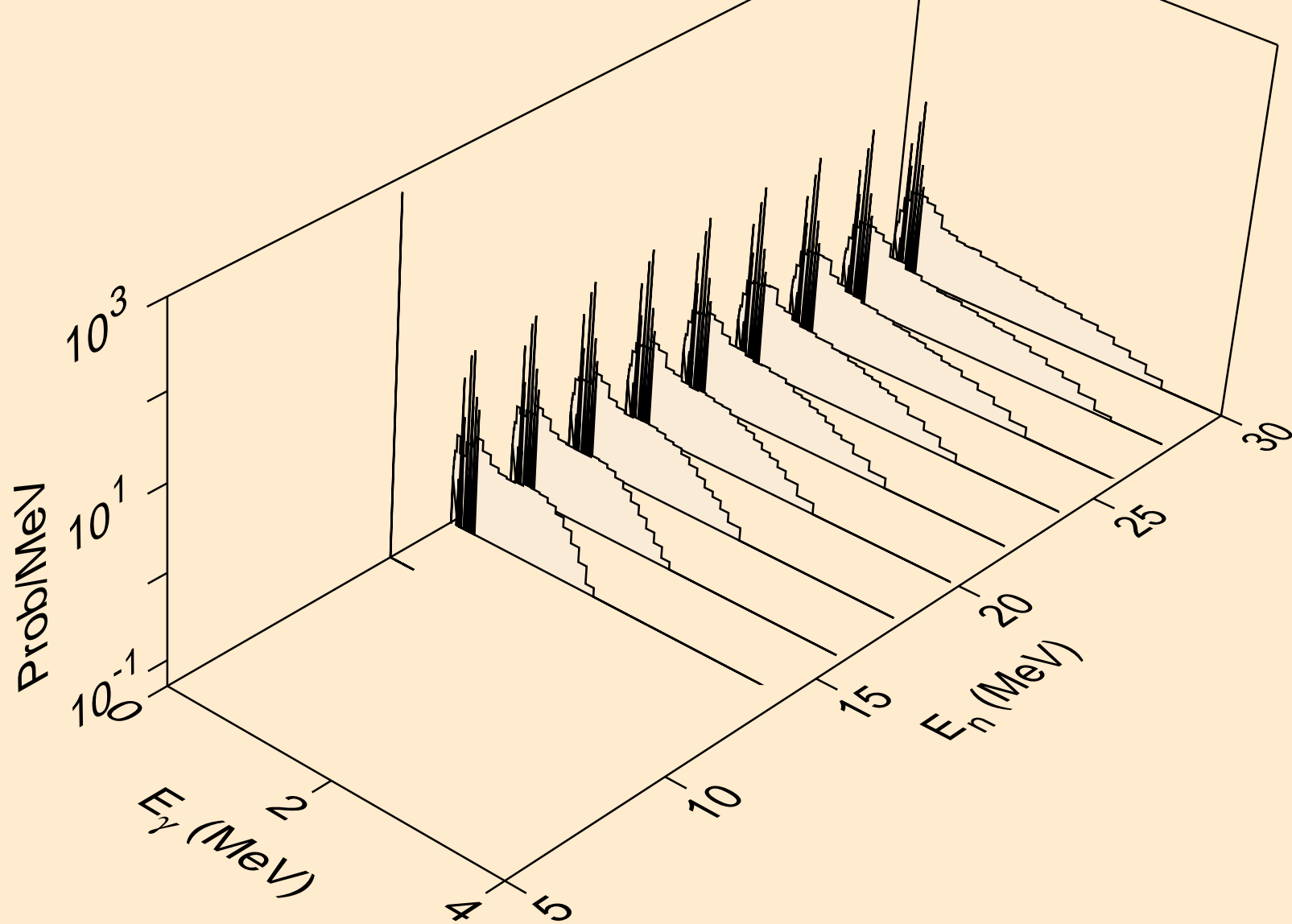
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



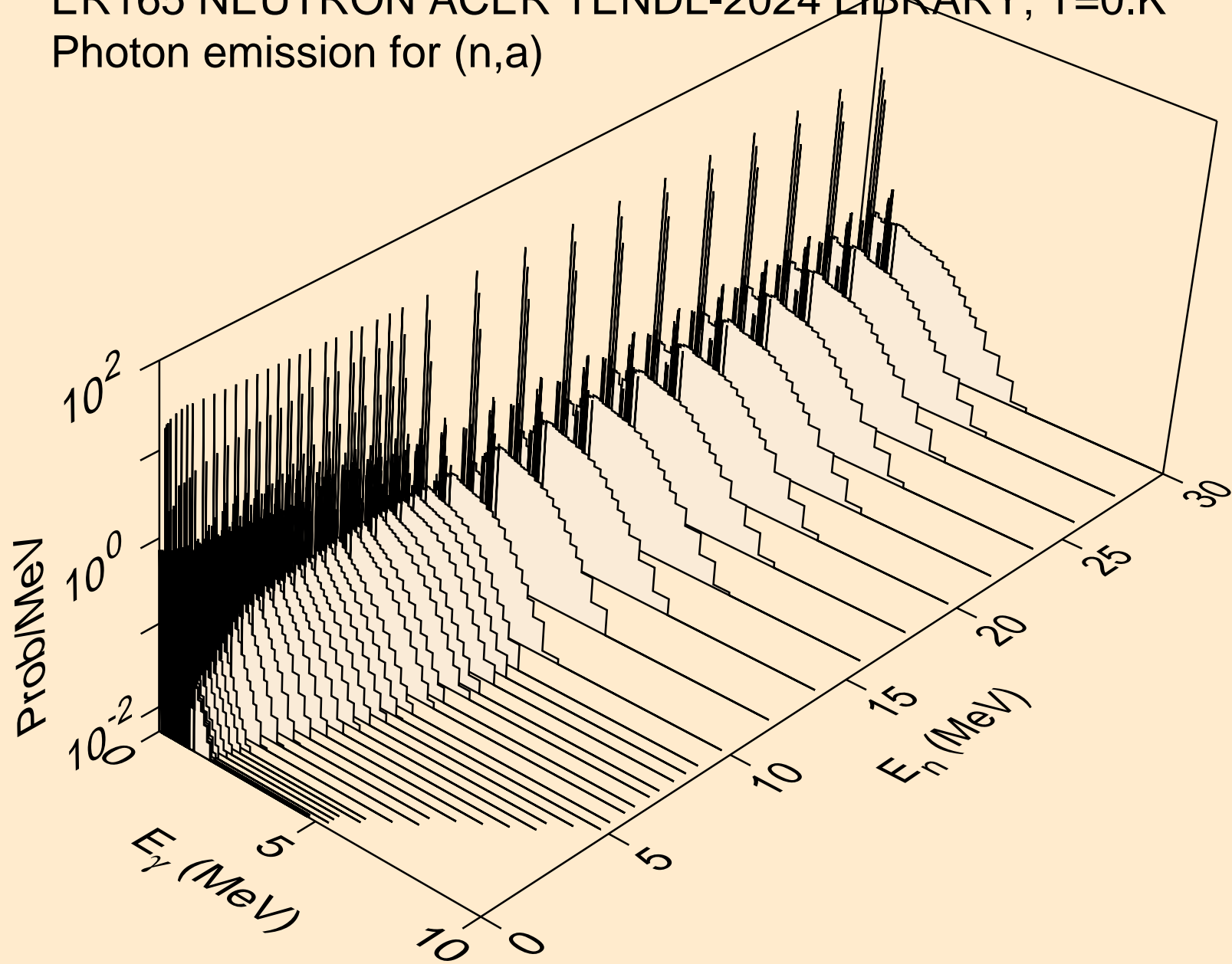
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)

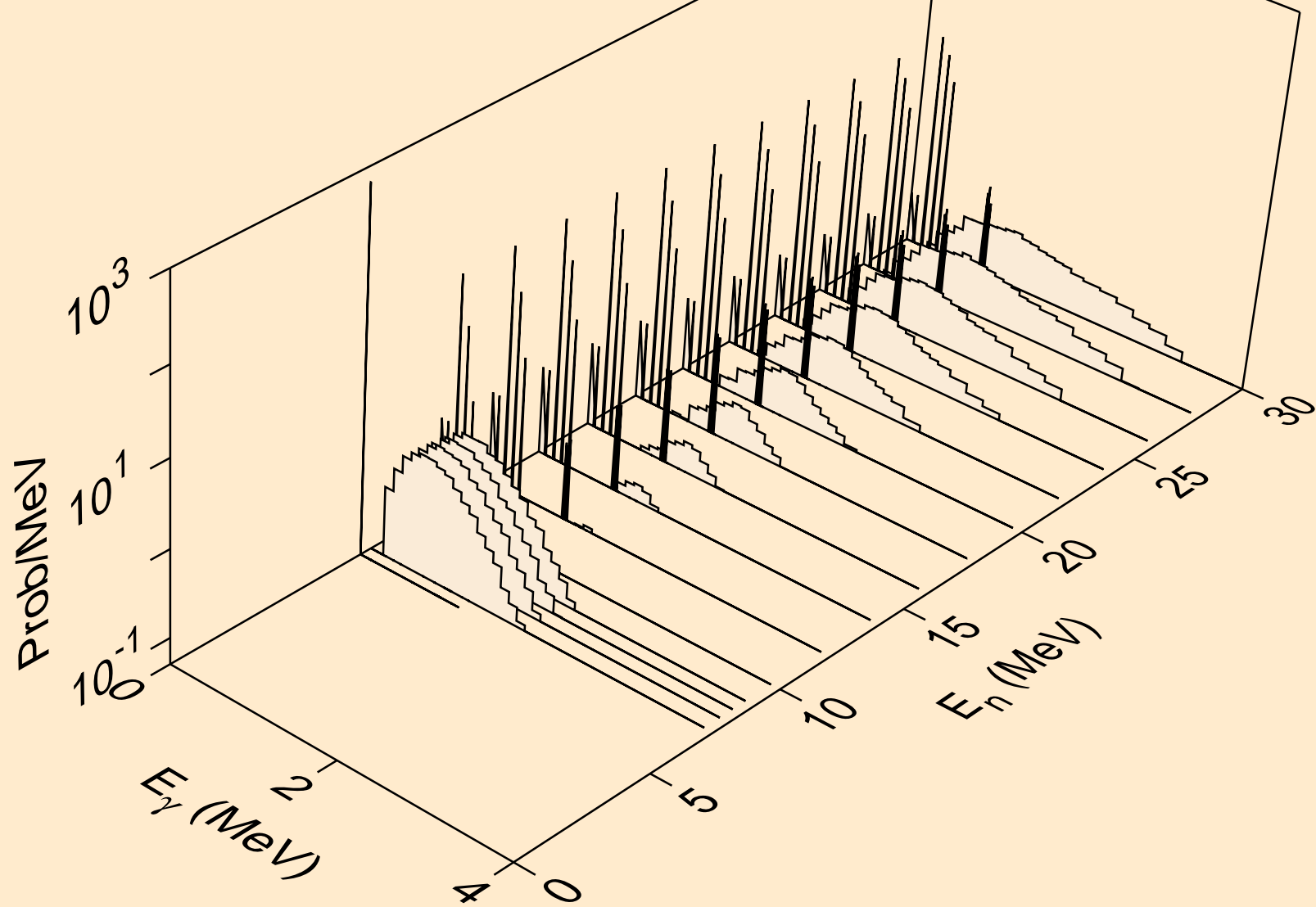


ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)

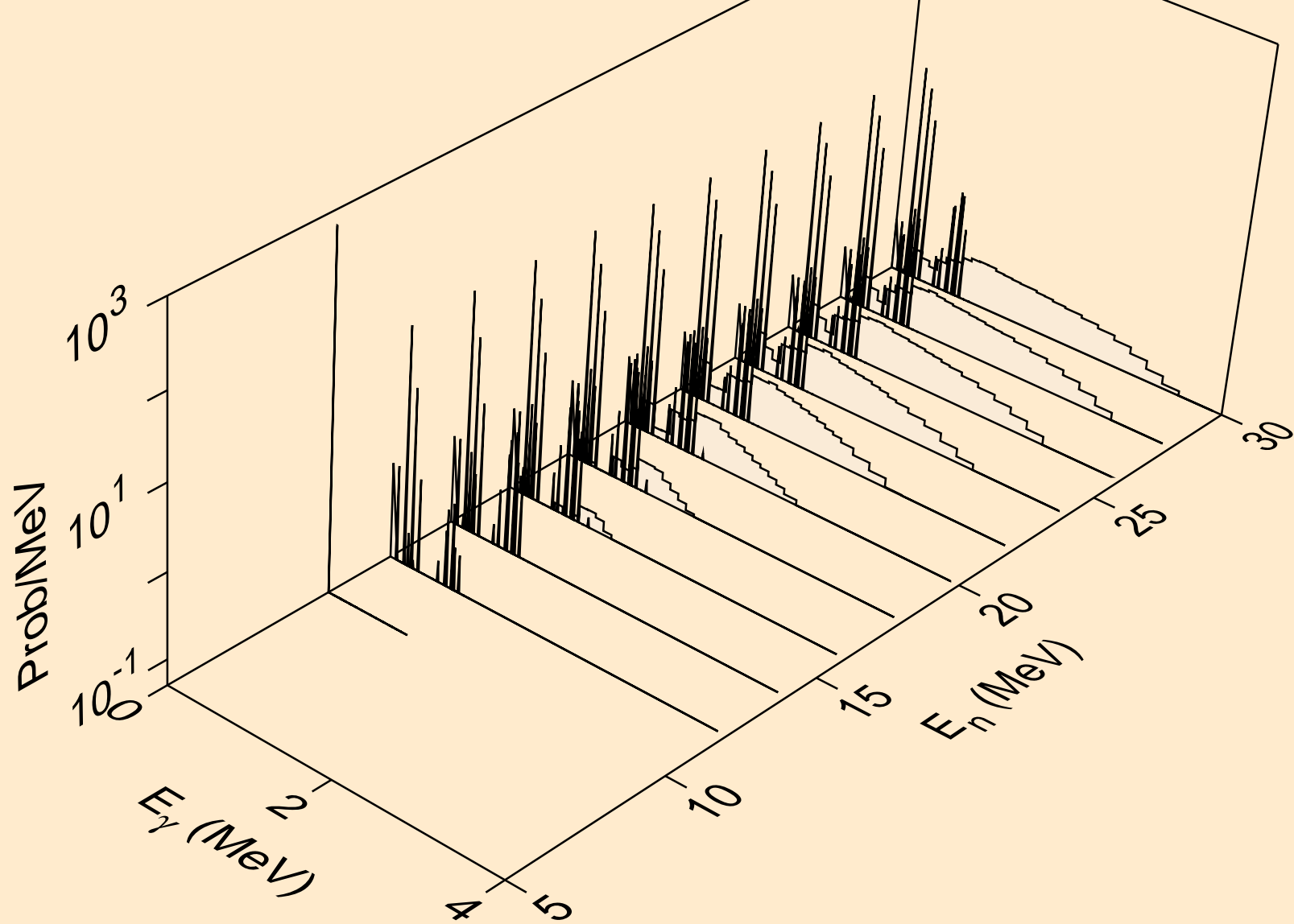




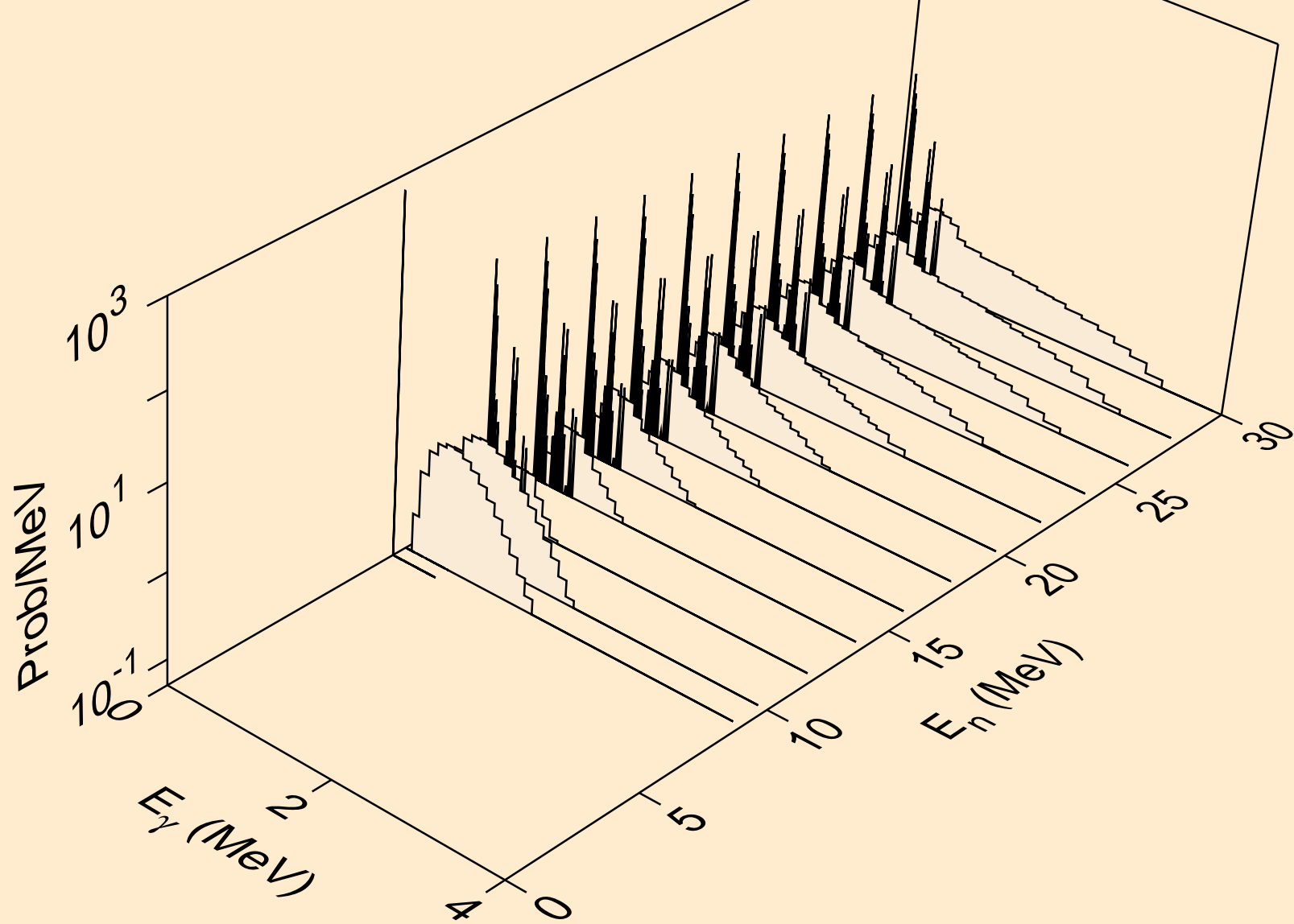
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)



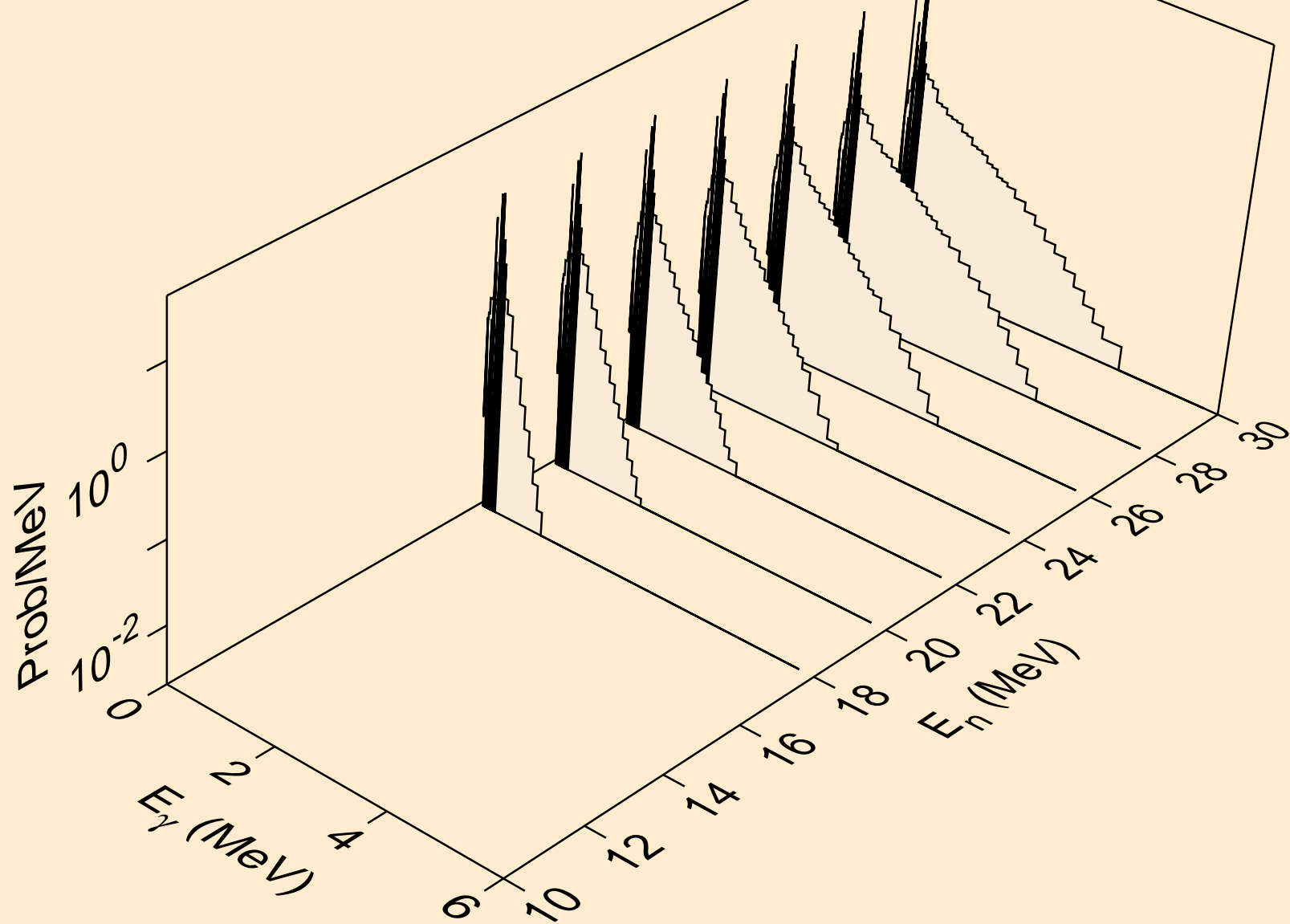
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Photon emission for (n,2p)



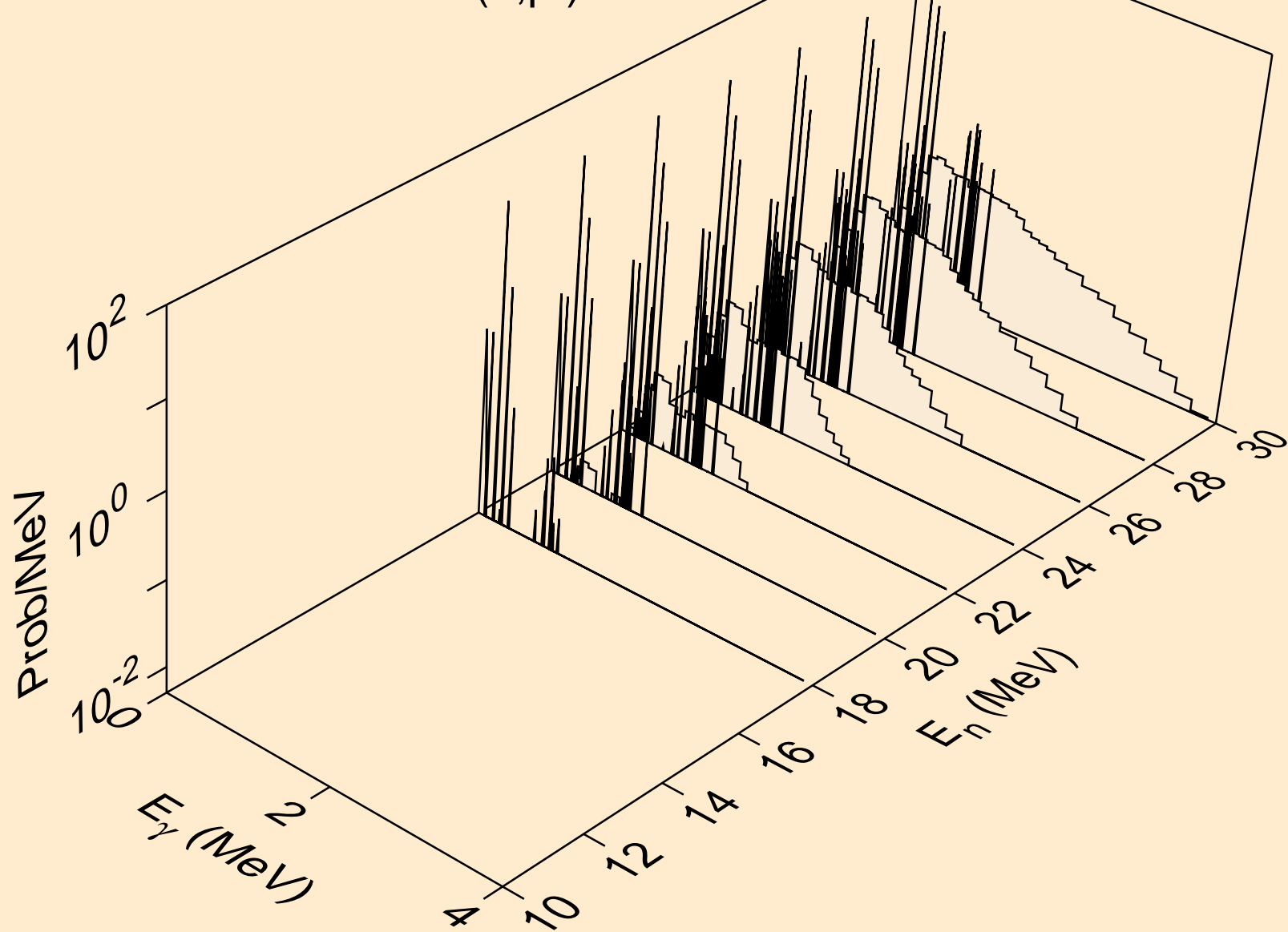
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Photon emission for (n,p $\alpha$ )



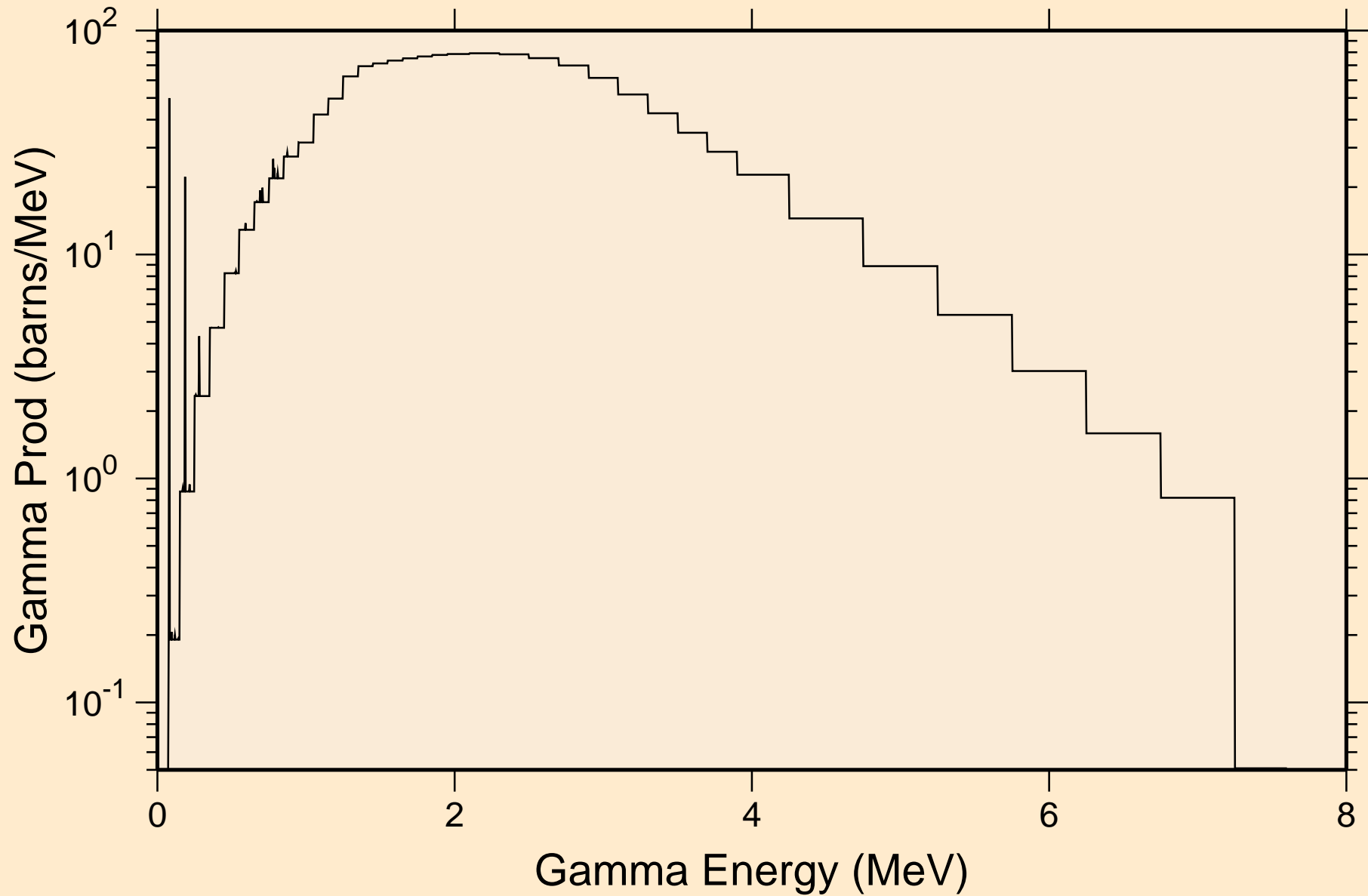
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



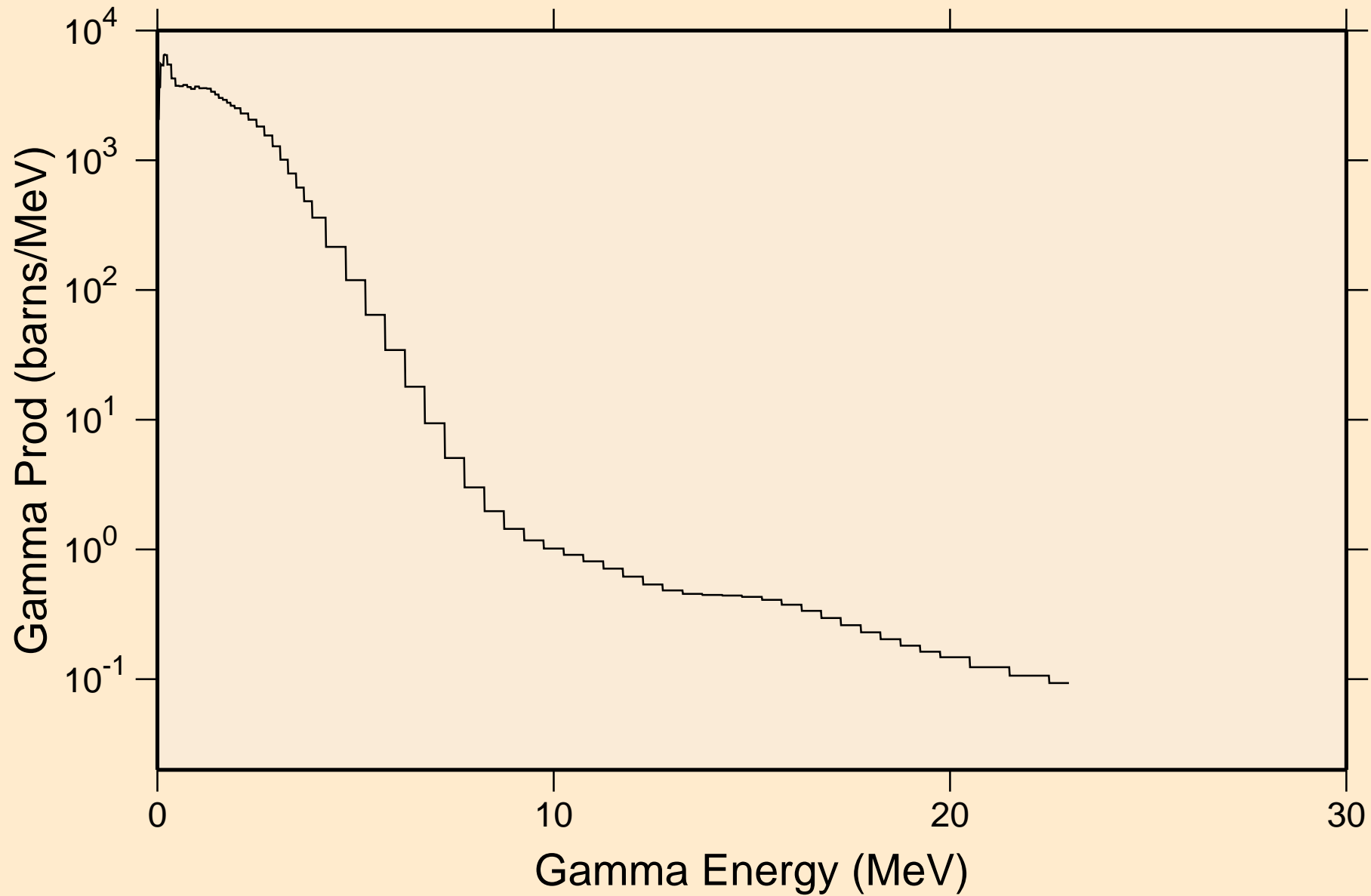
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)



ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

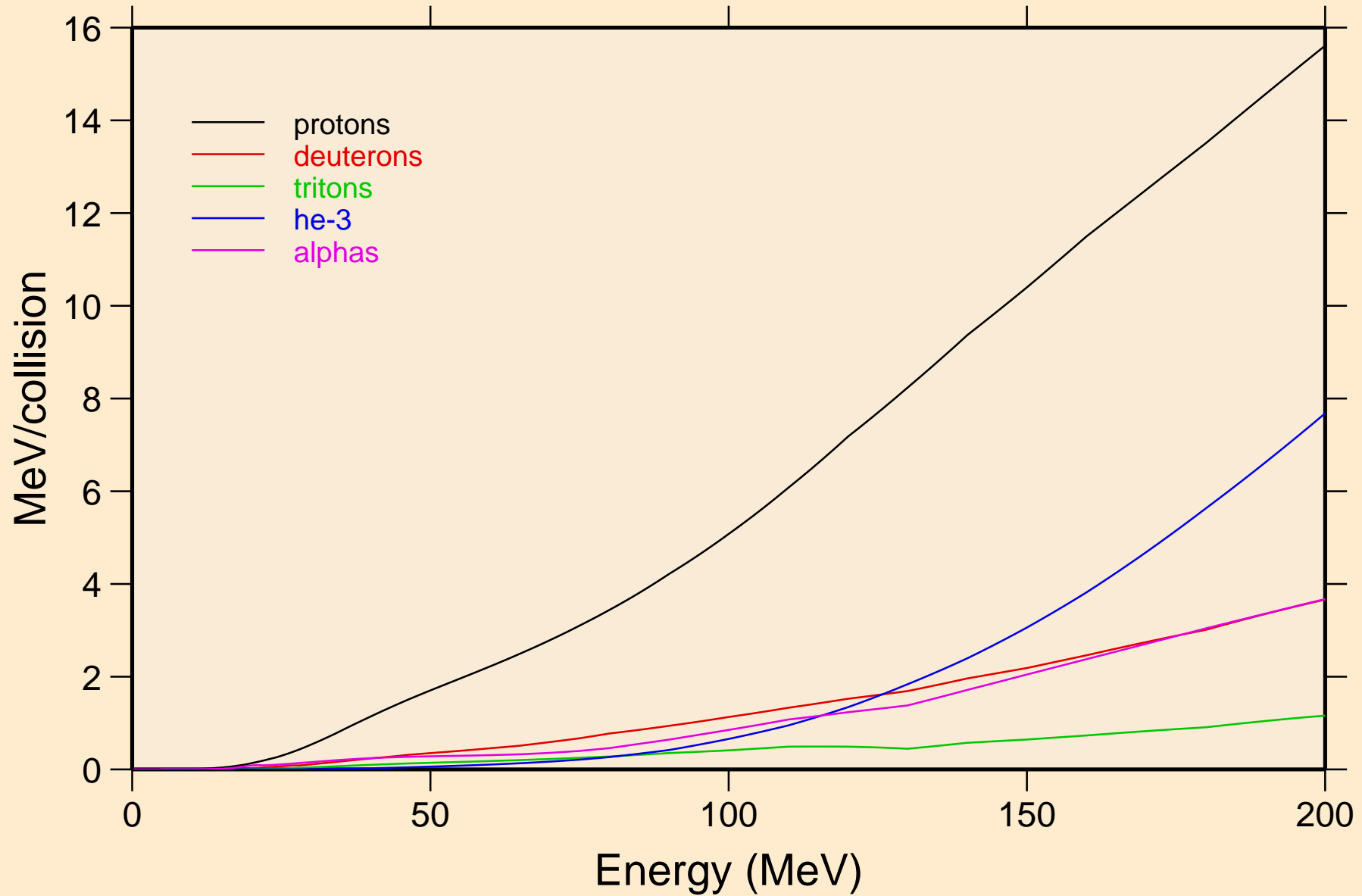


ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum



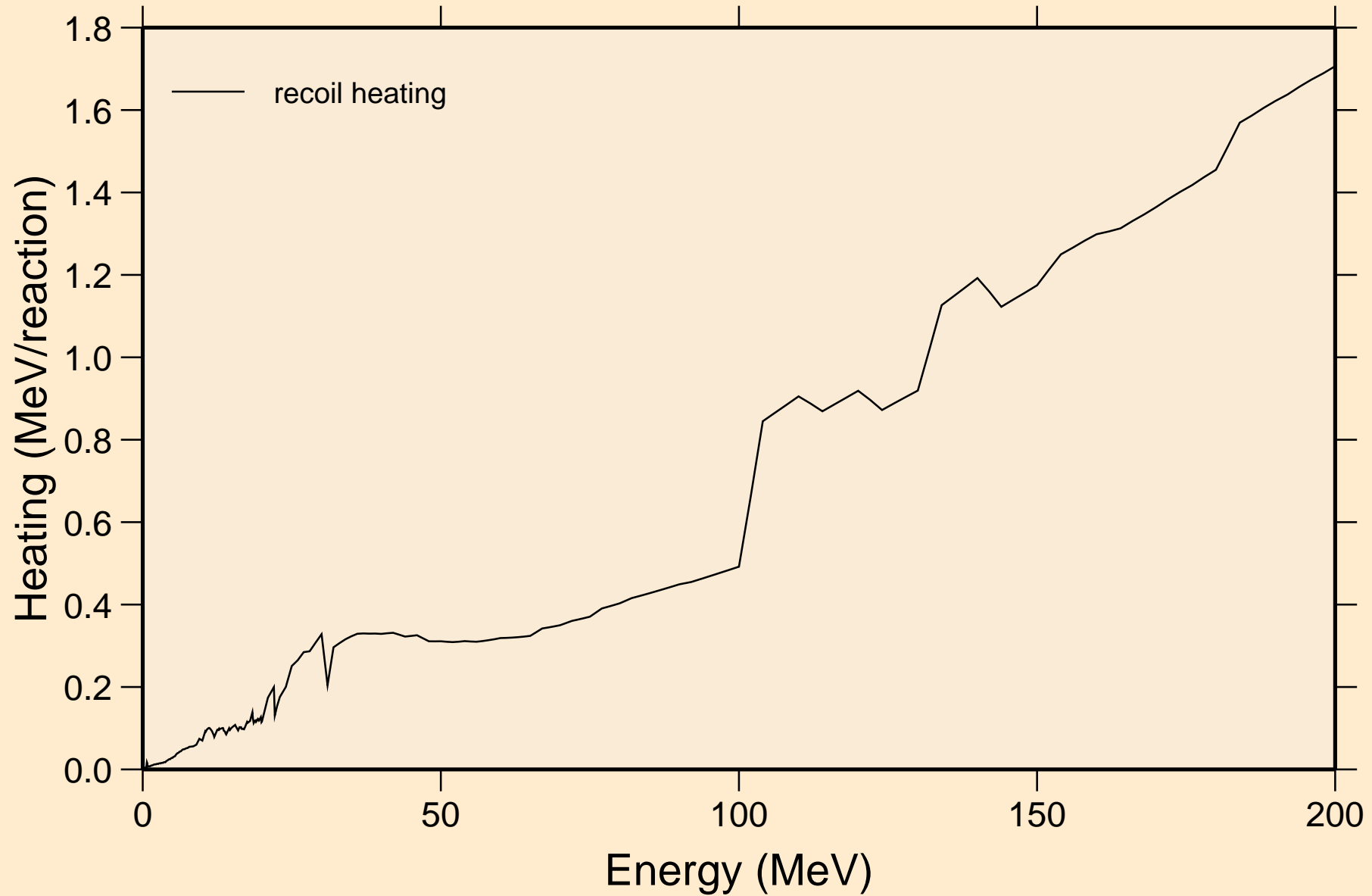
# ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions

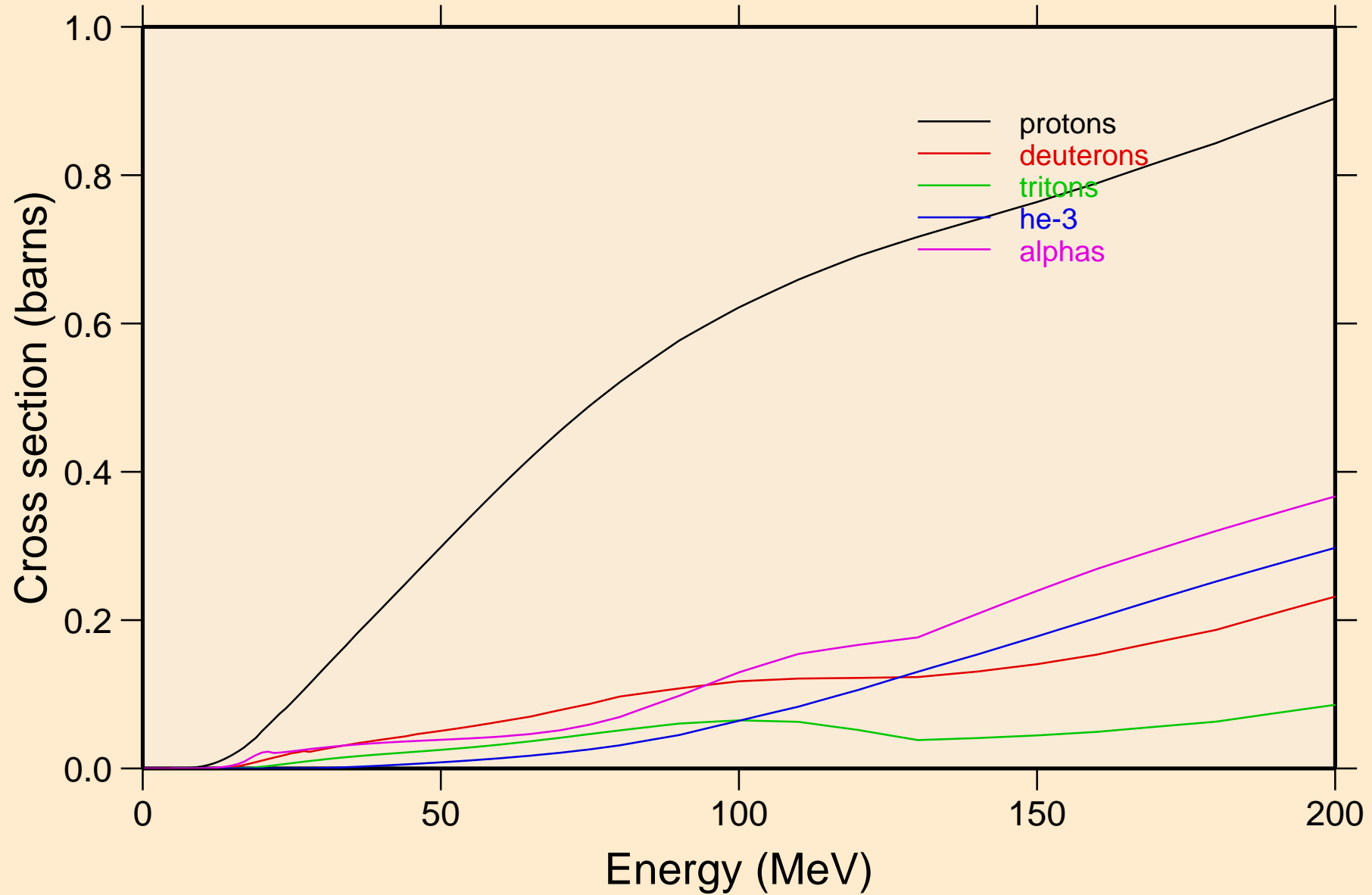




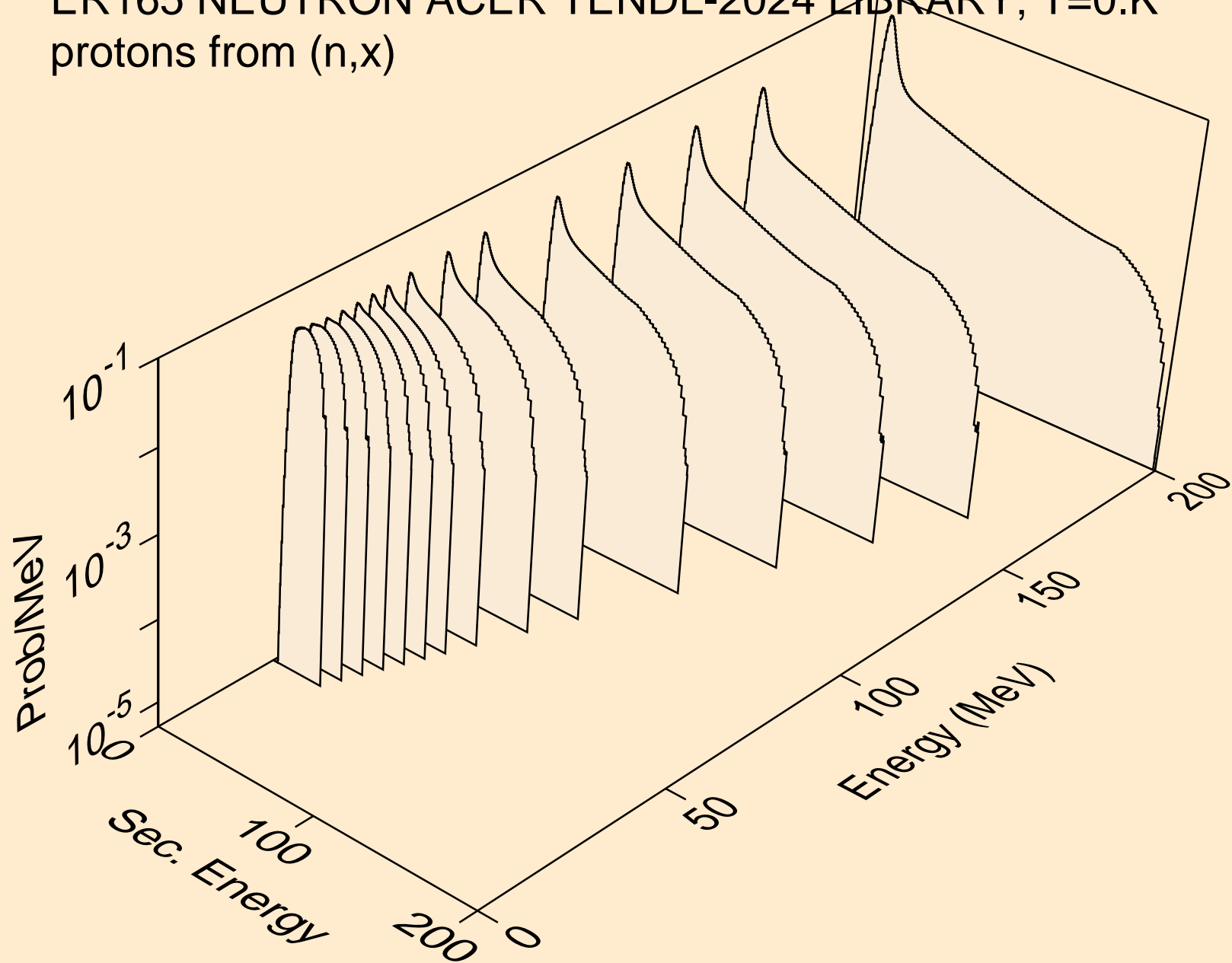
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating



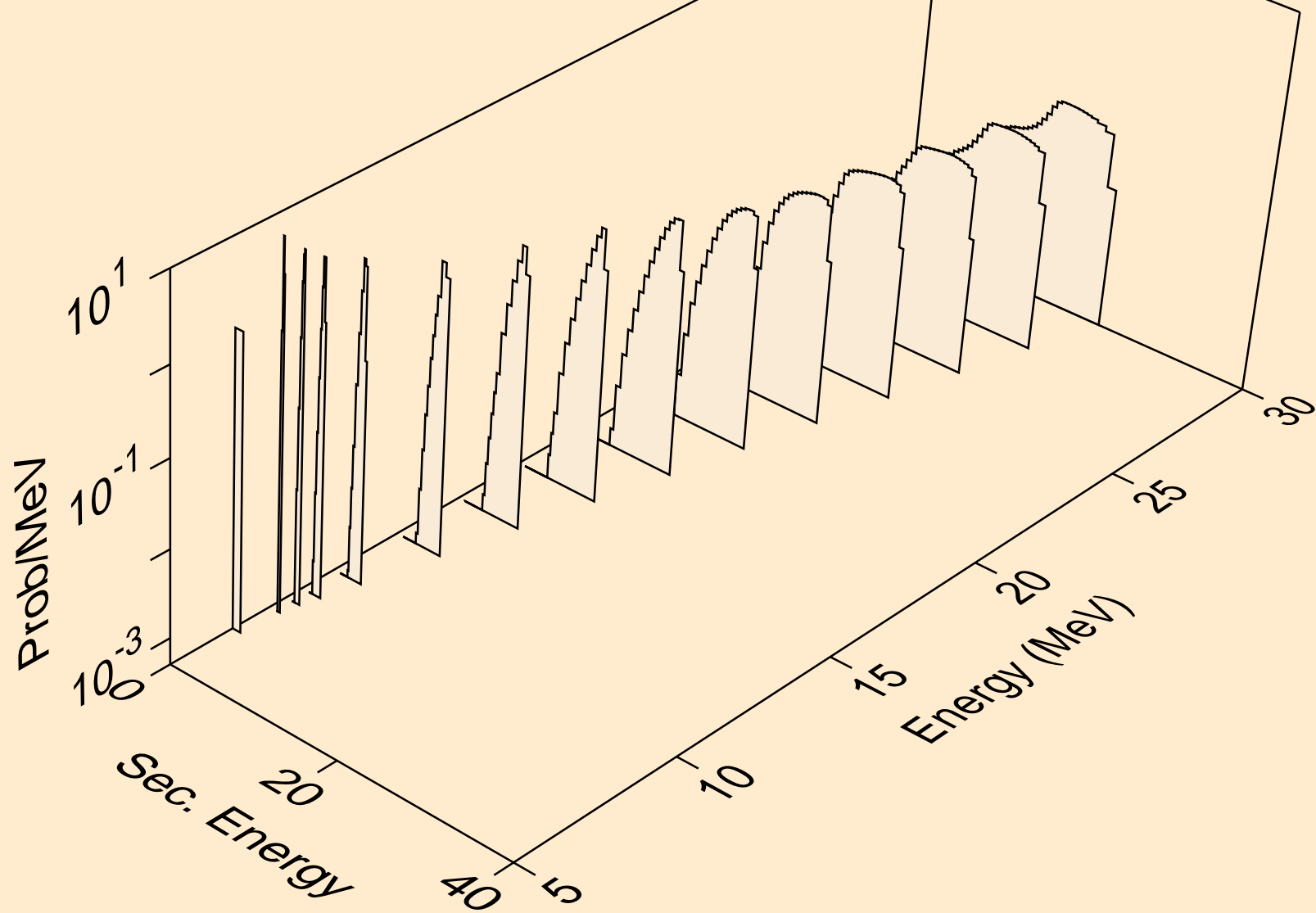
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Particle production cross sections



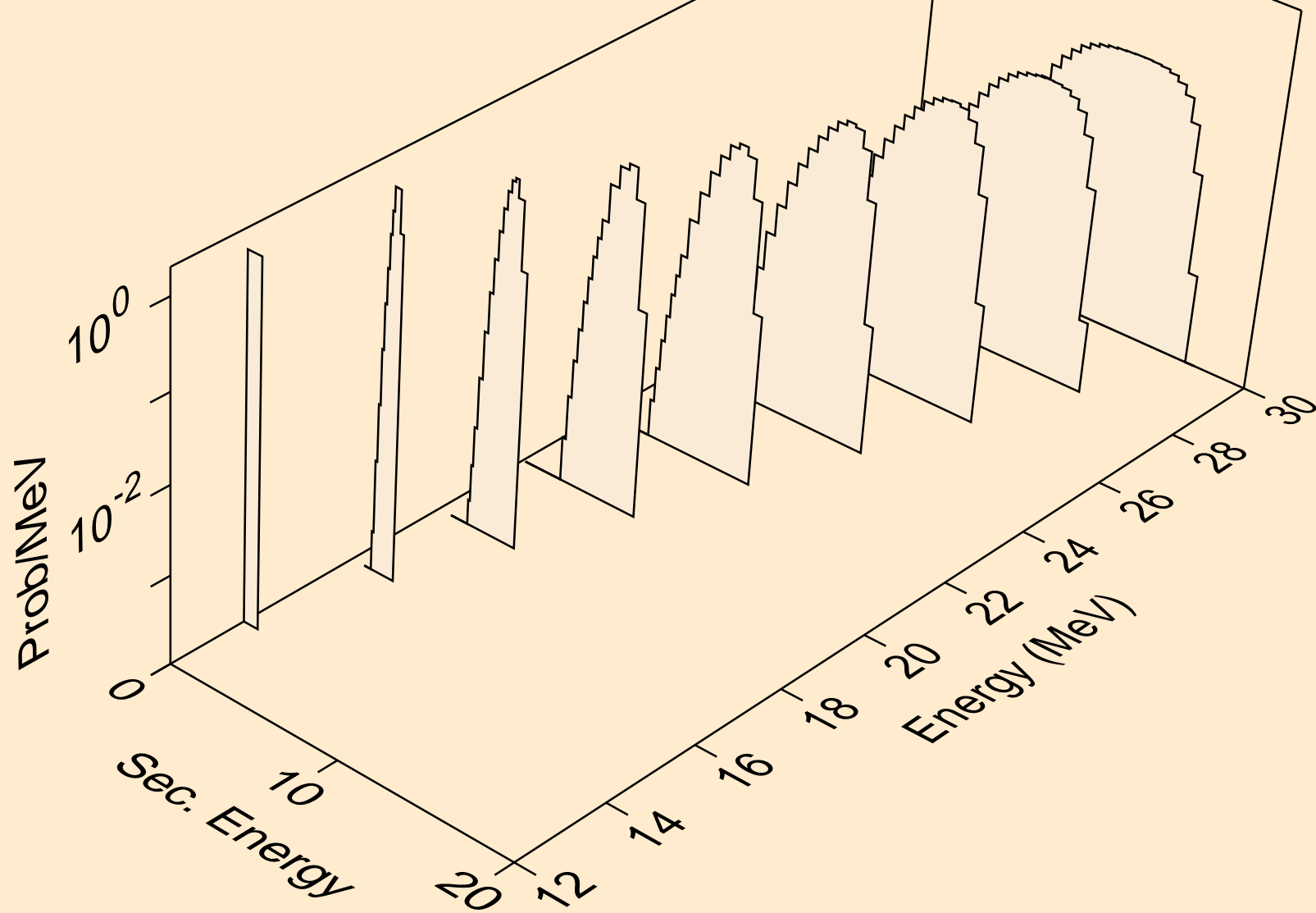
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



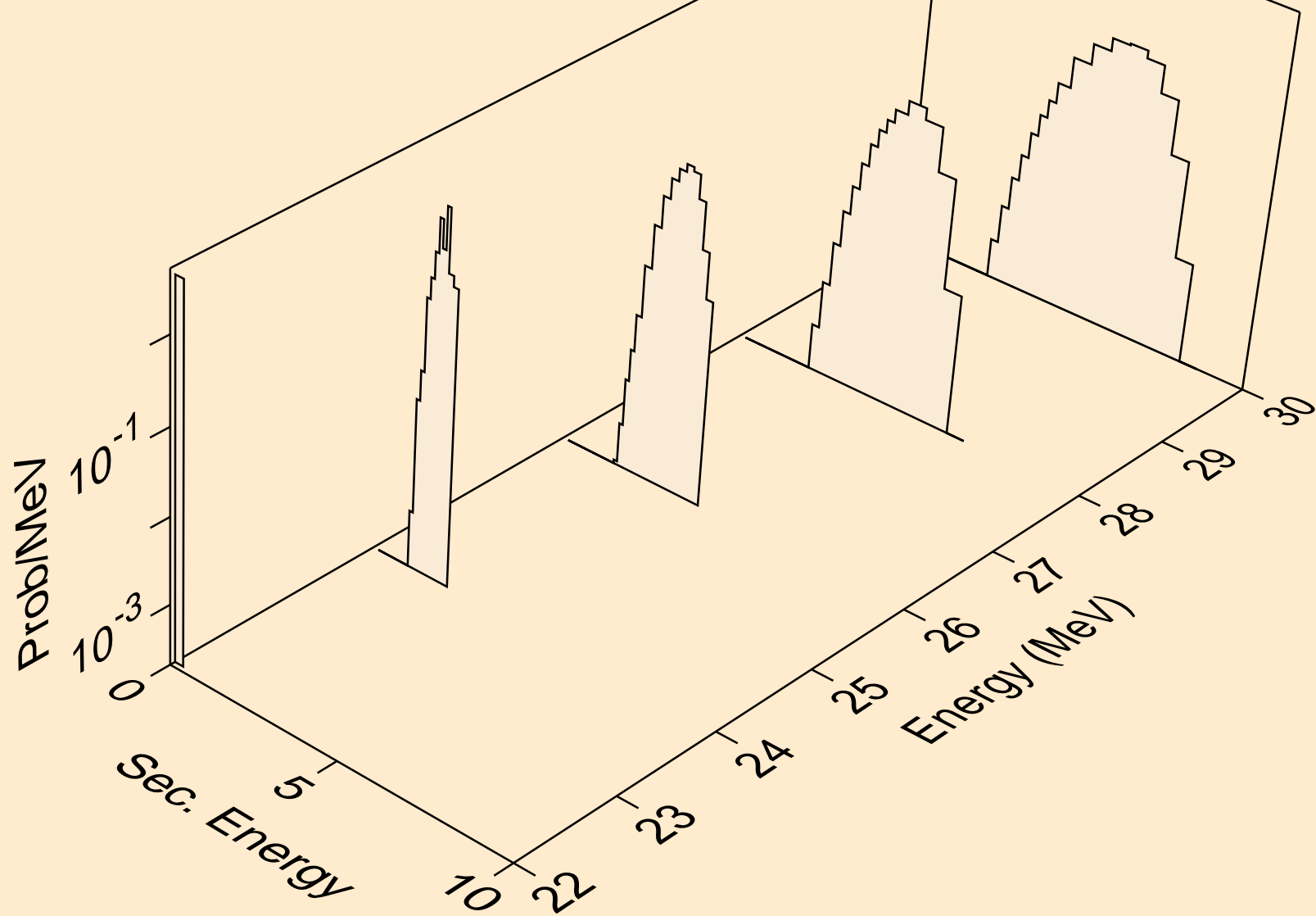
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protons from (n,n\*)p



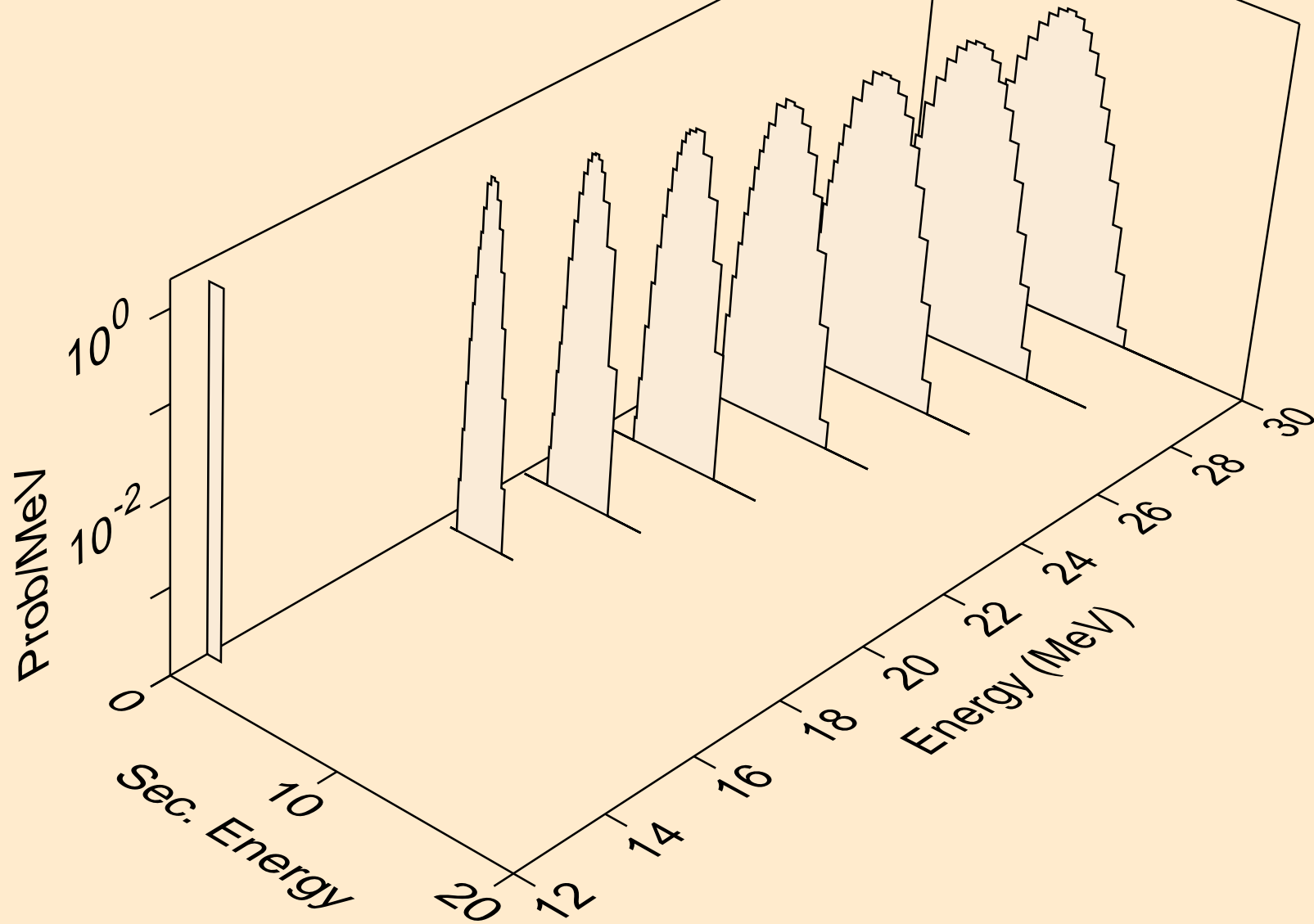
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protons from (n,2np)



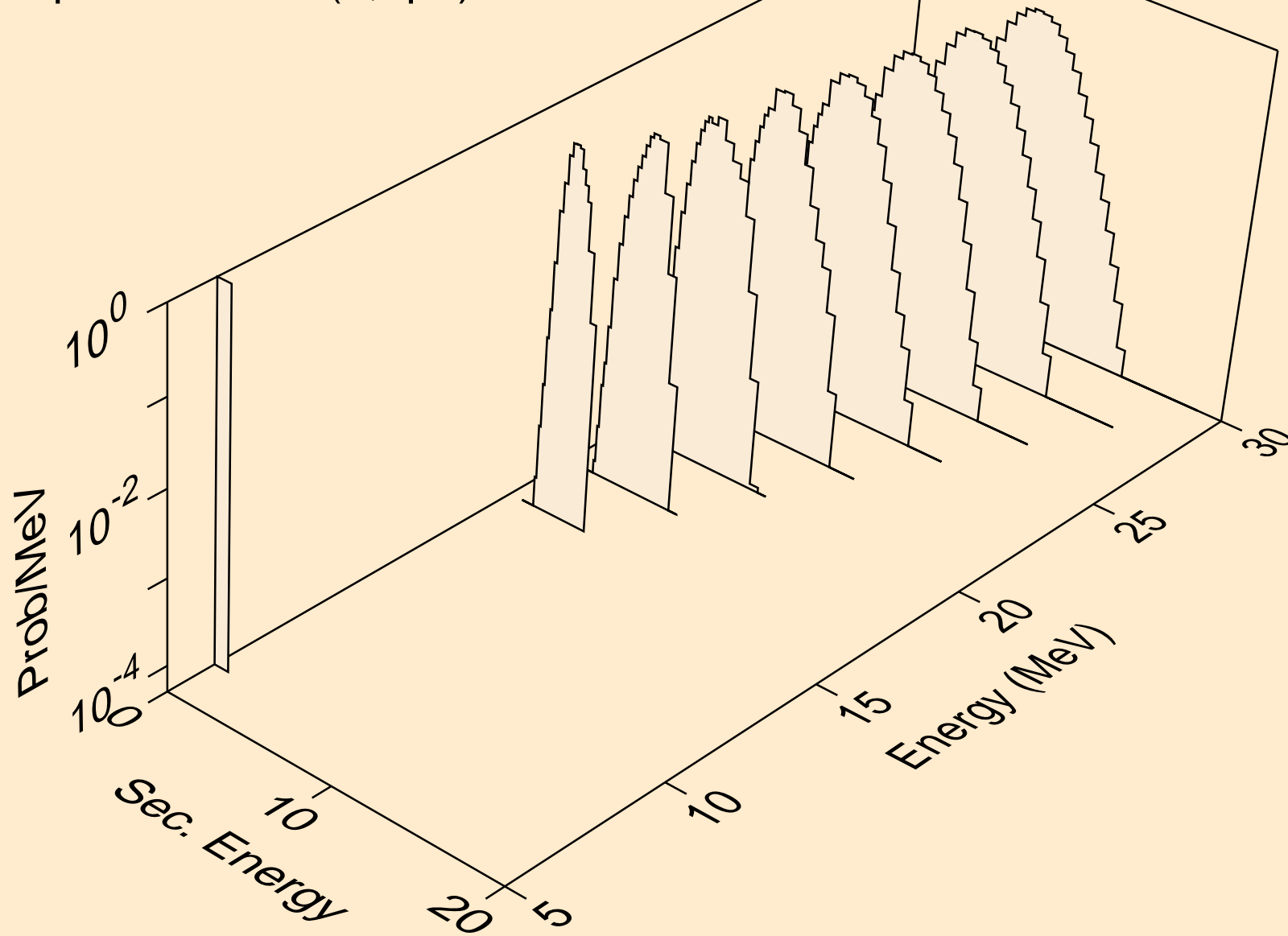
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)



ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n2p)

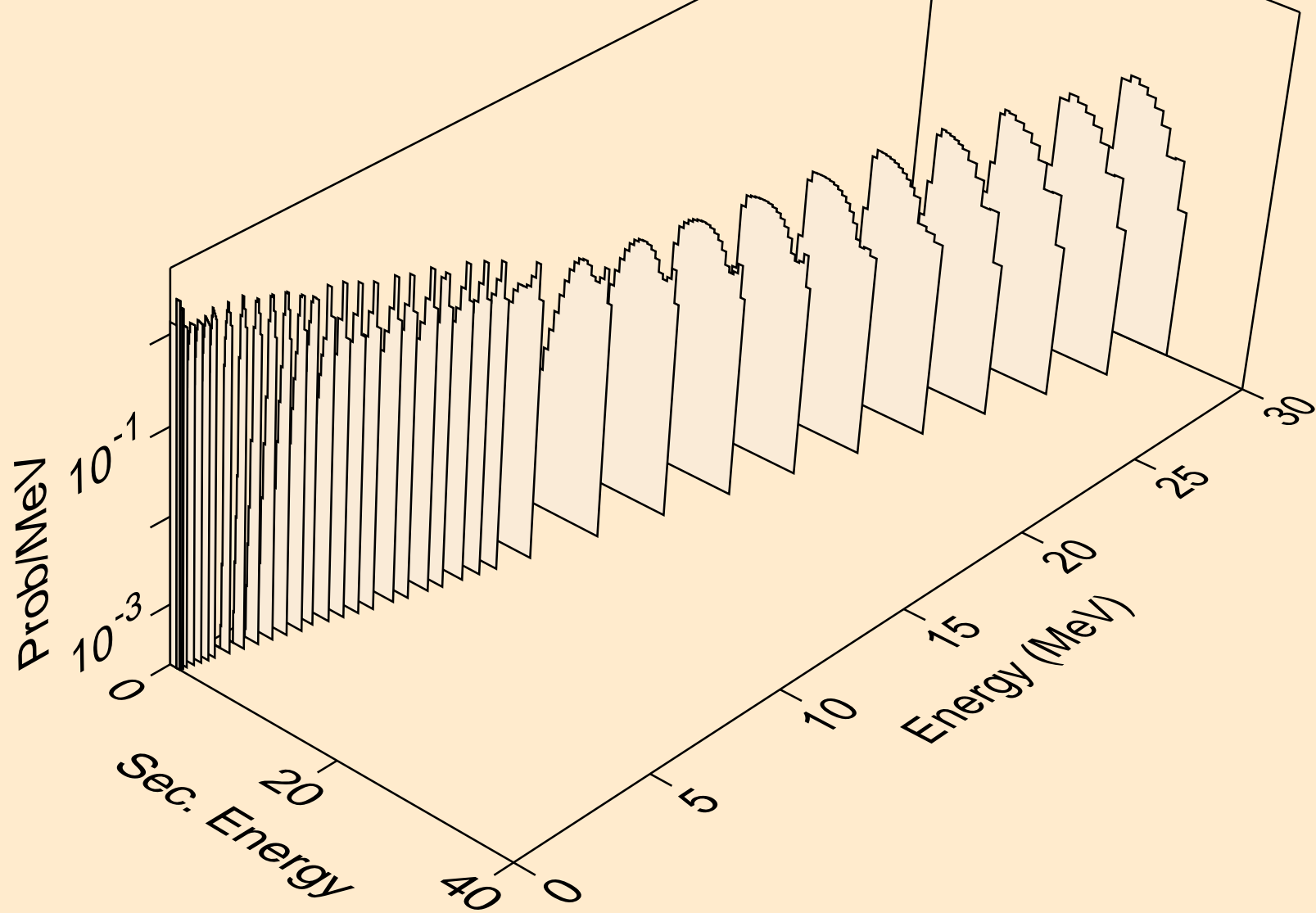


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protons from (n,npa)

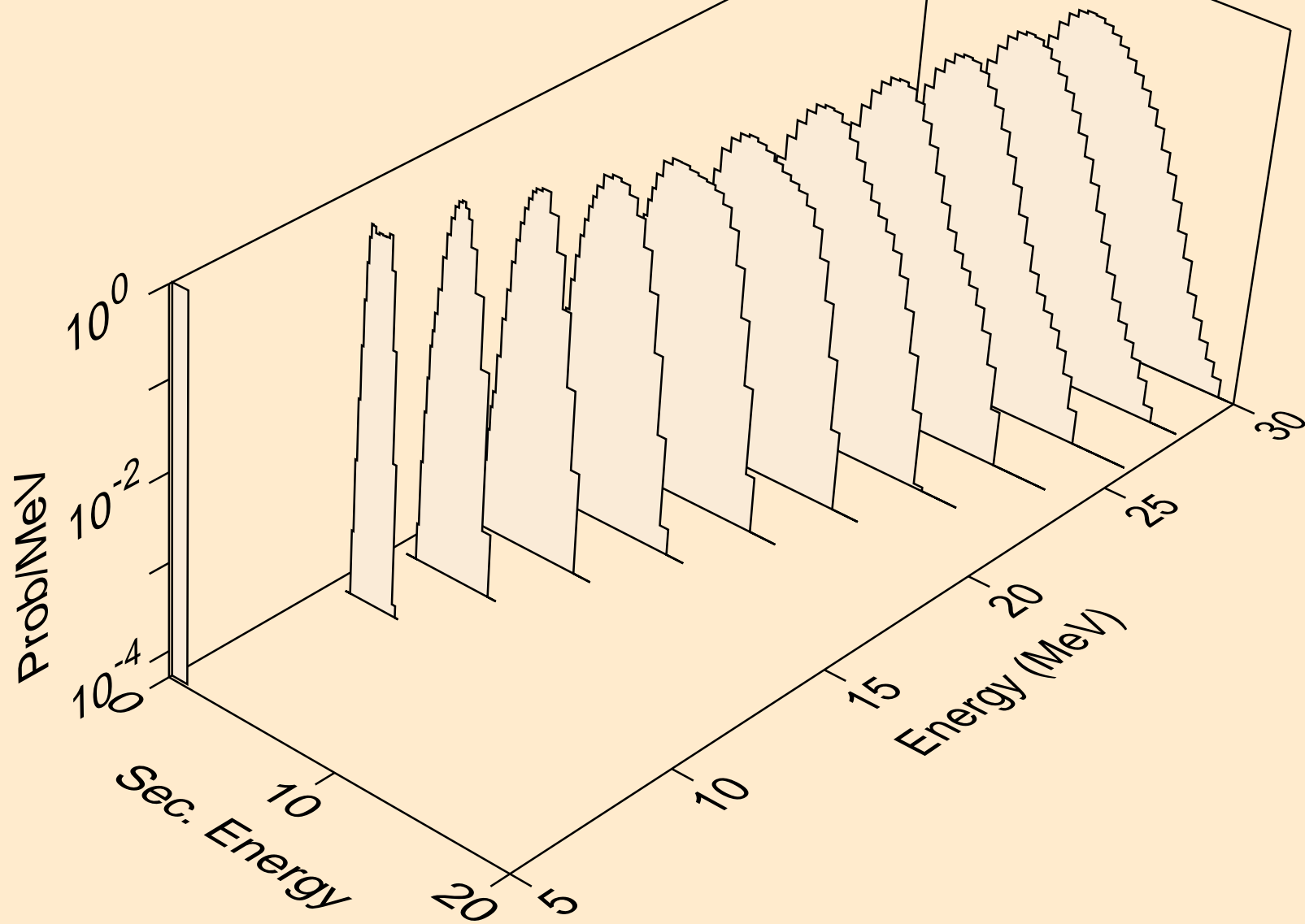




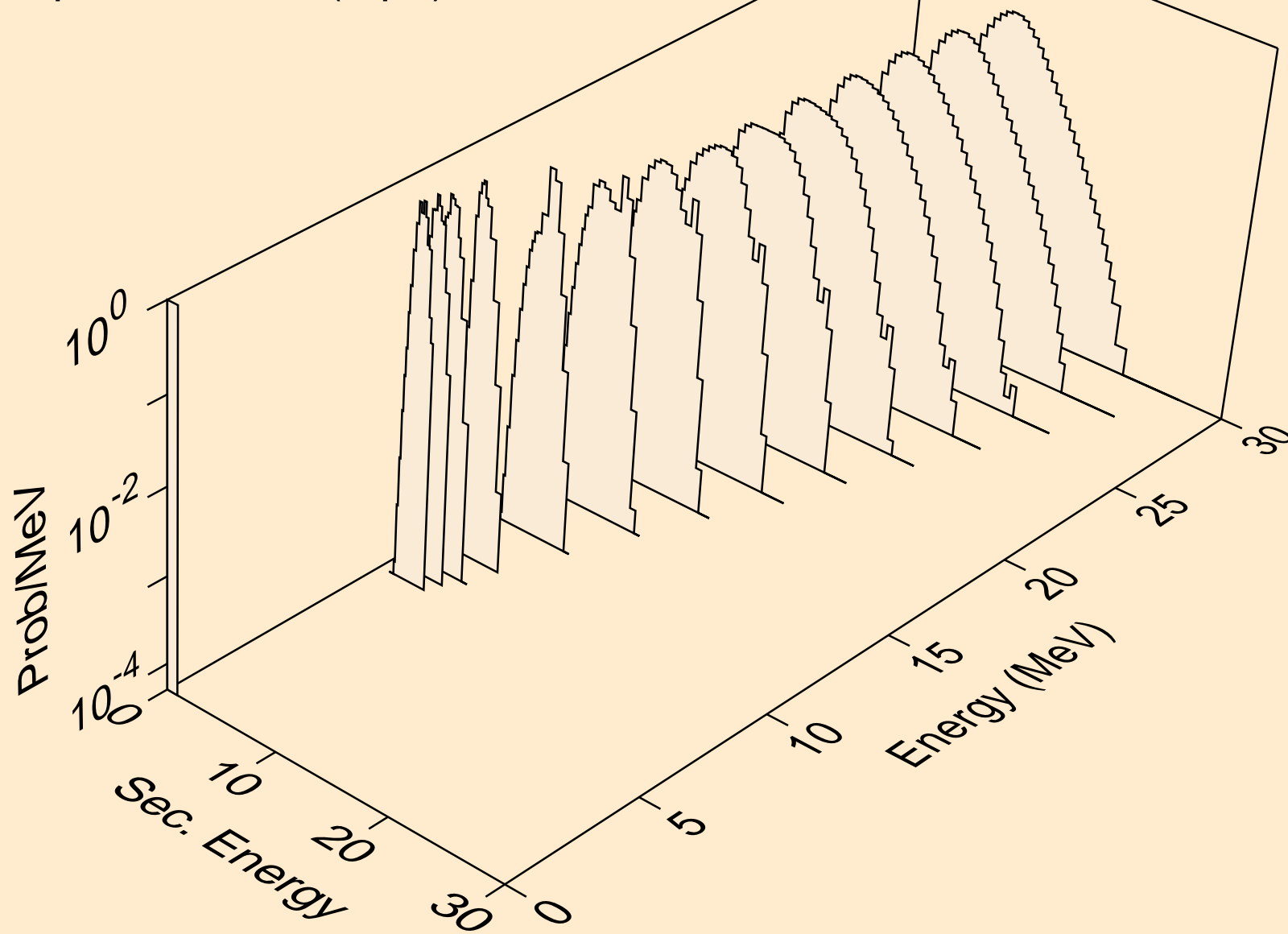
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protons from (n,p)



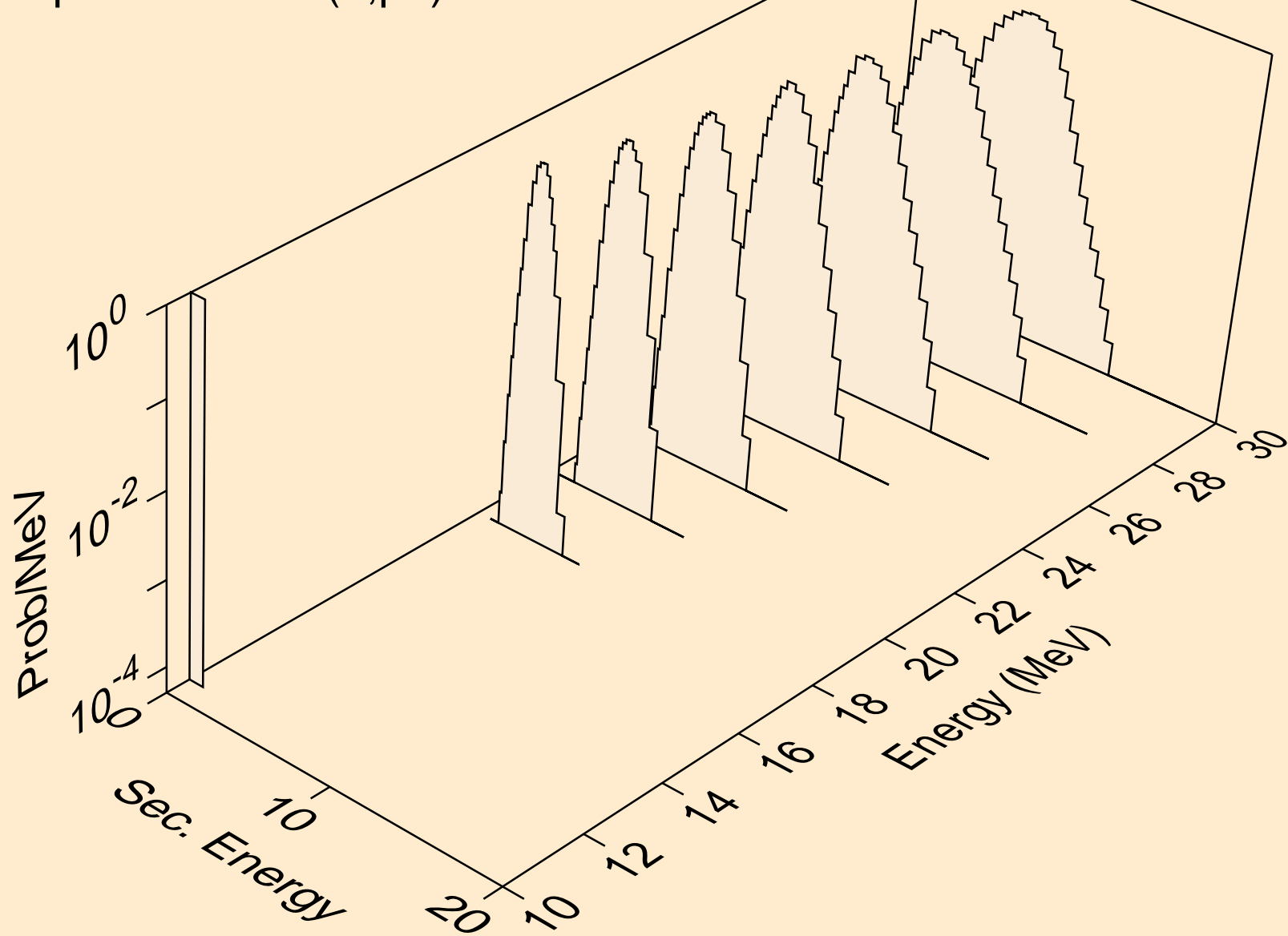
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protons from (n,2p)



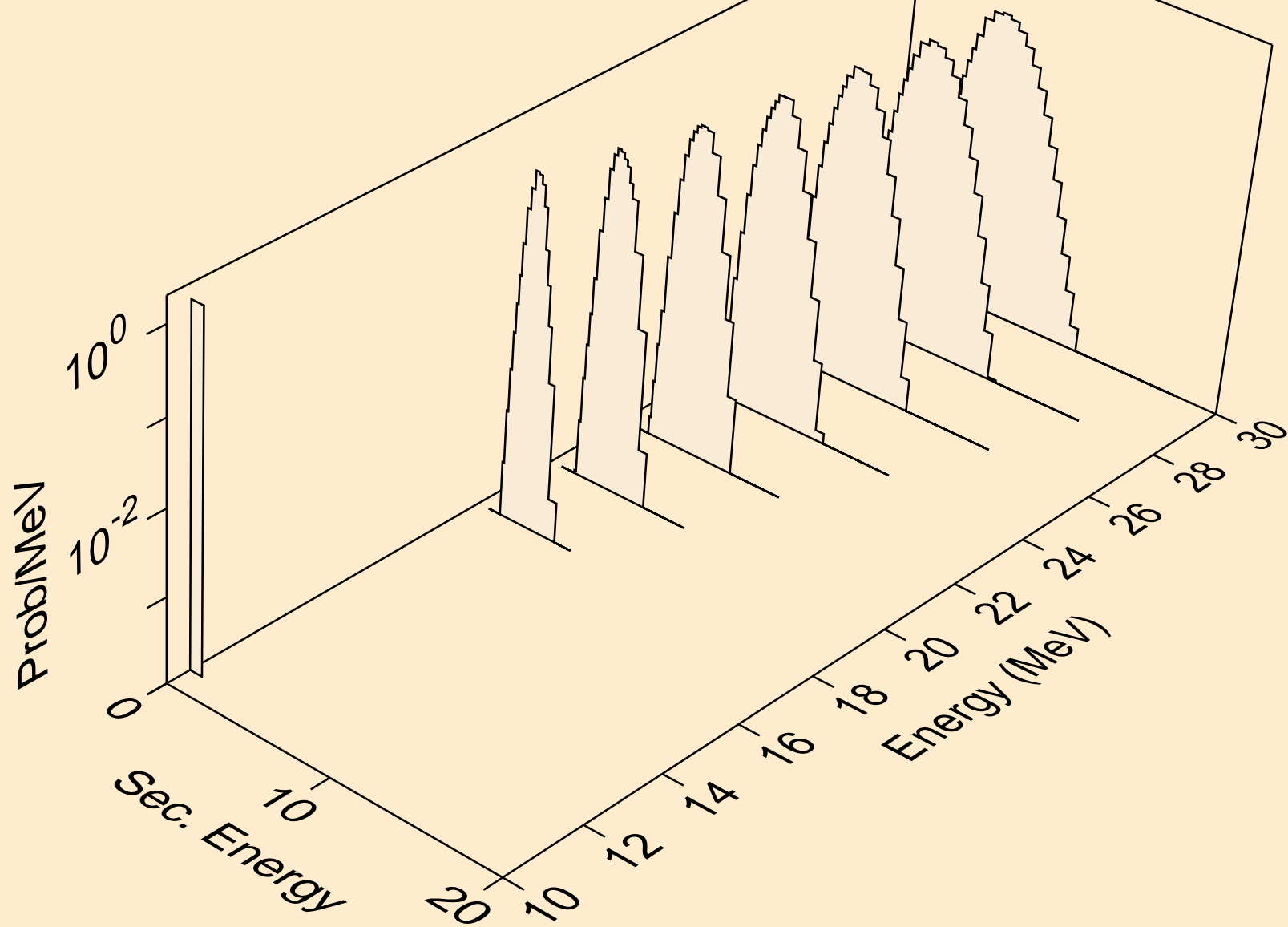
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protons from (n,pa)



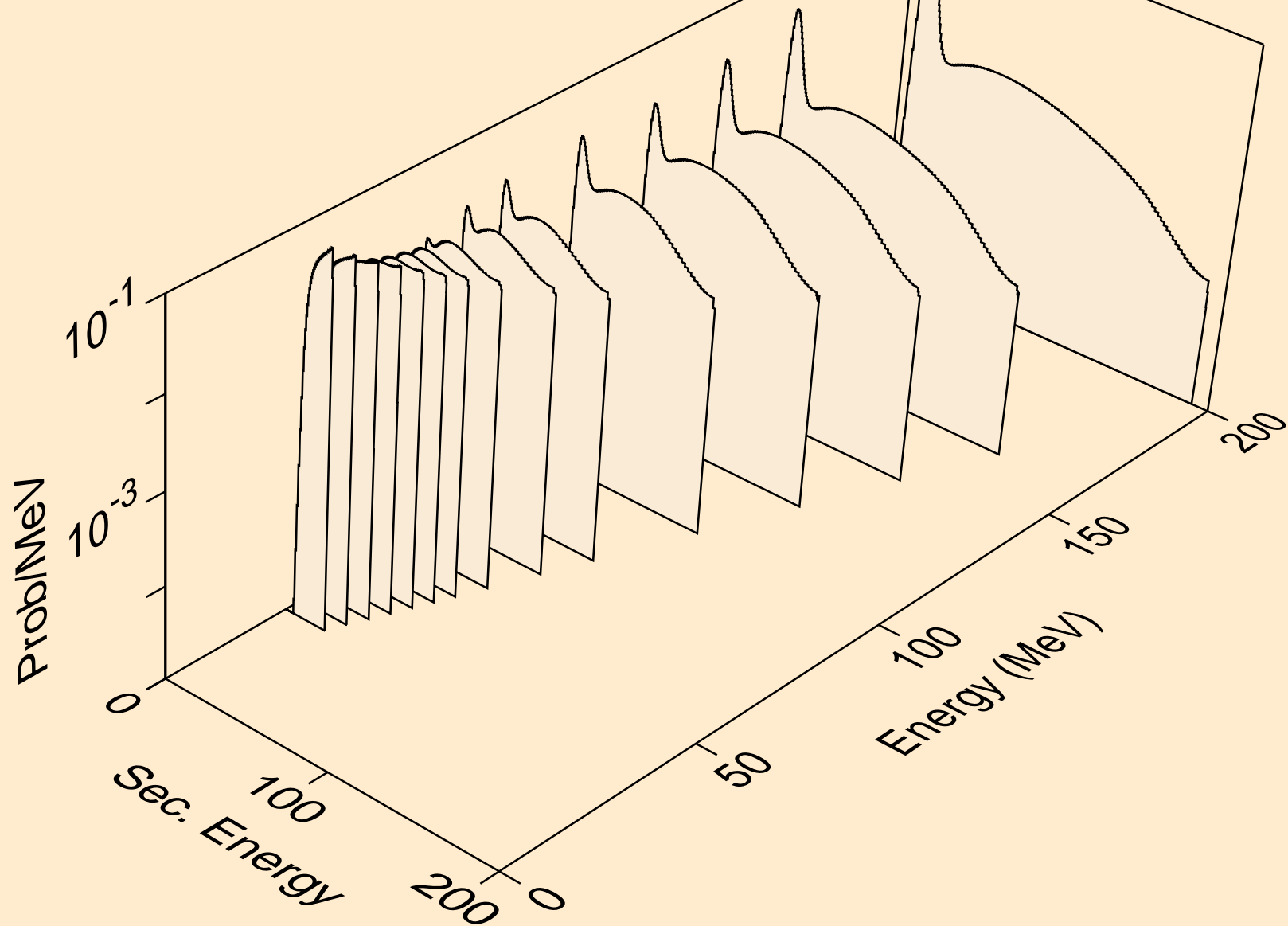
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protons from (n,pd)



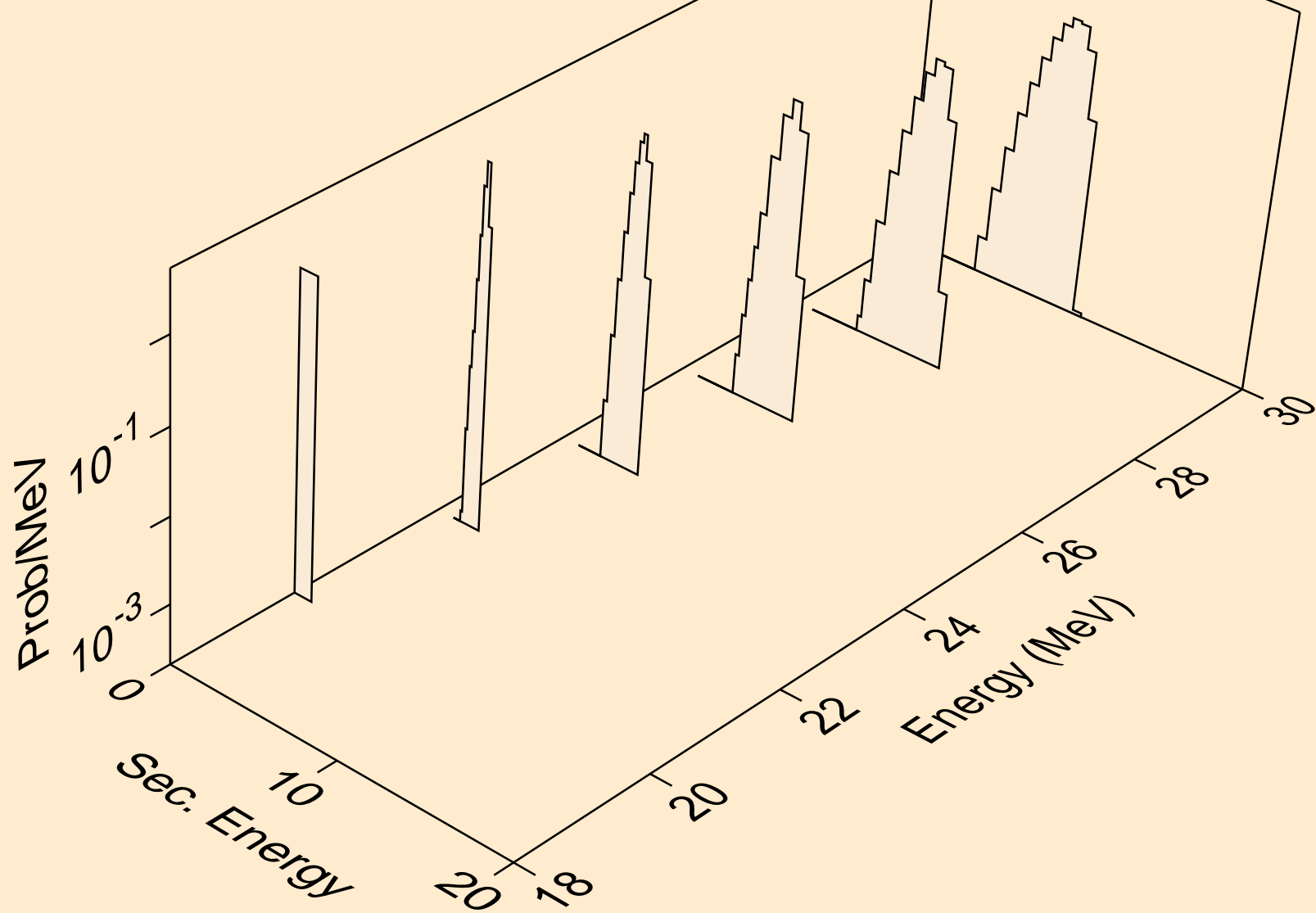
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protons from (n,pt)



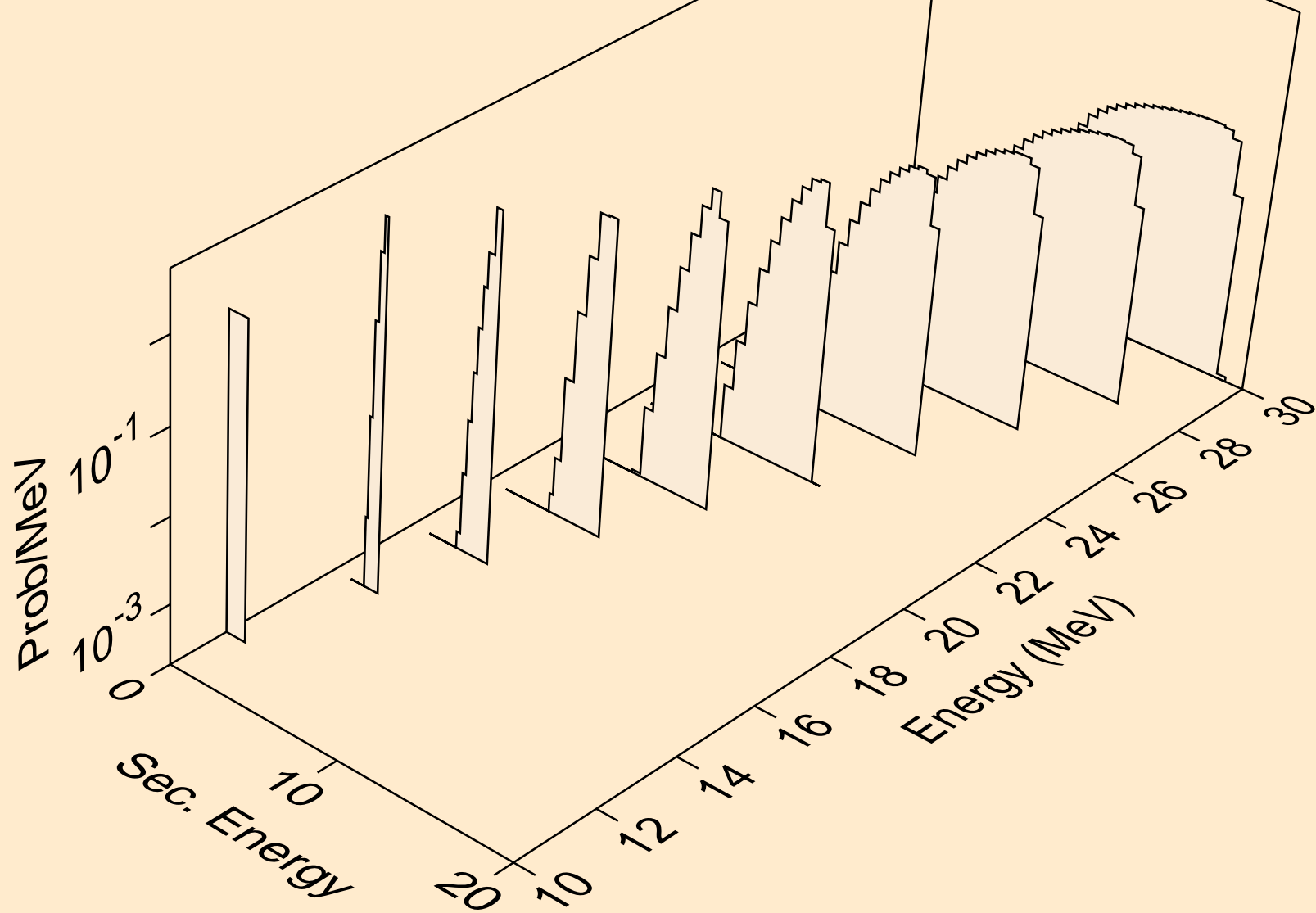
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)



ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,2nd)

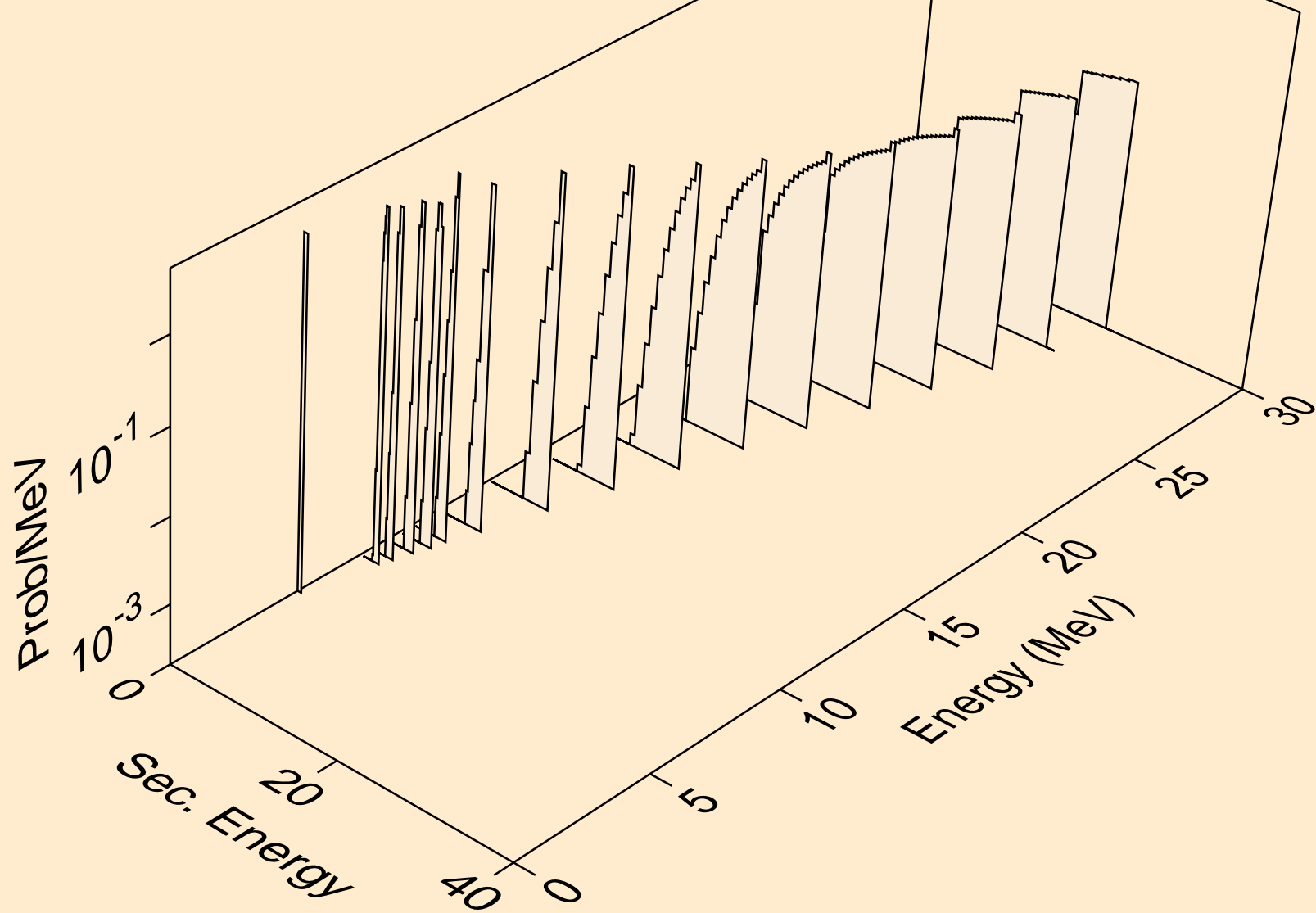


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deuterons from (n,n\*)d

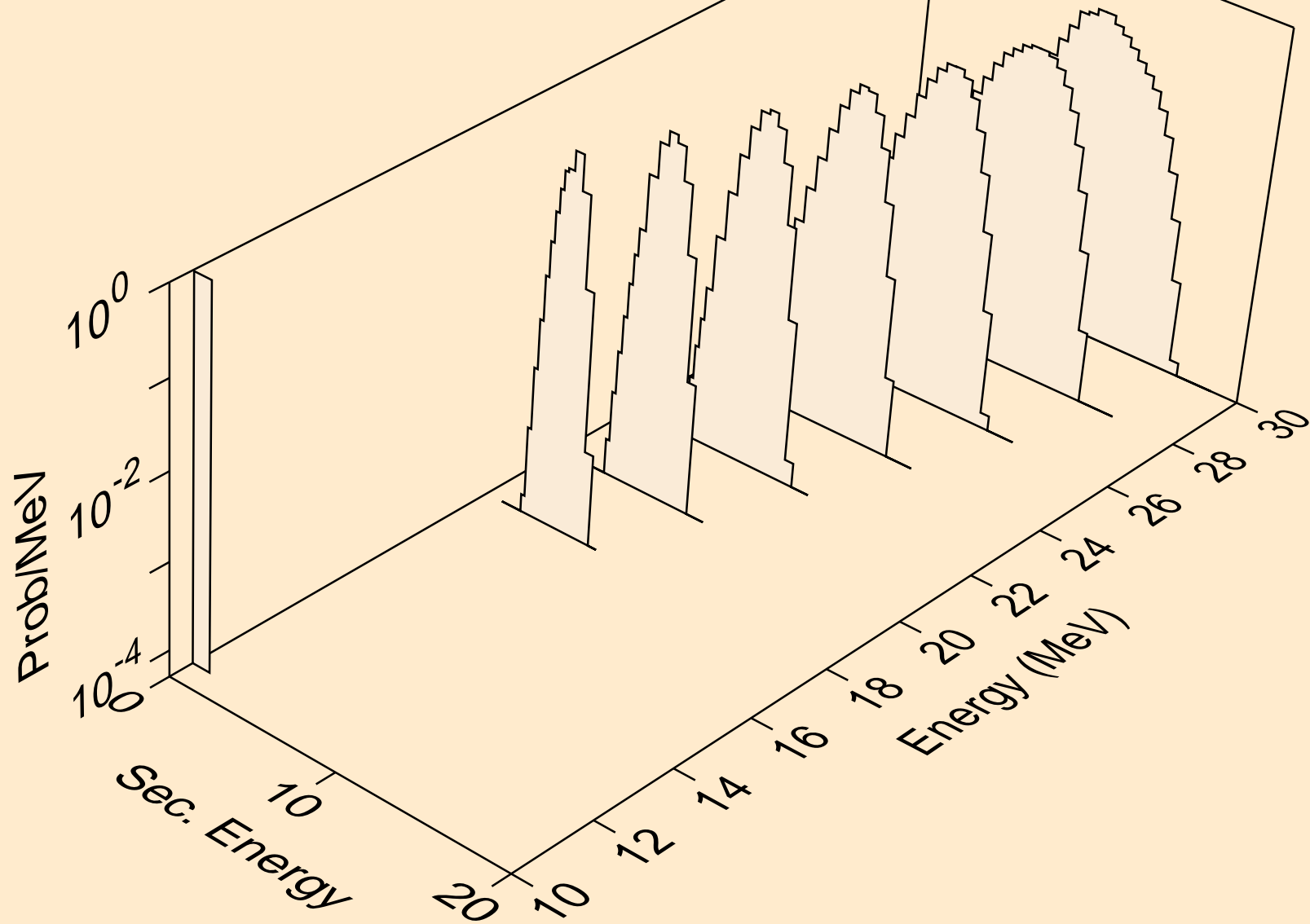




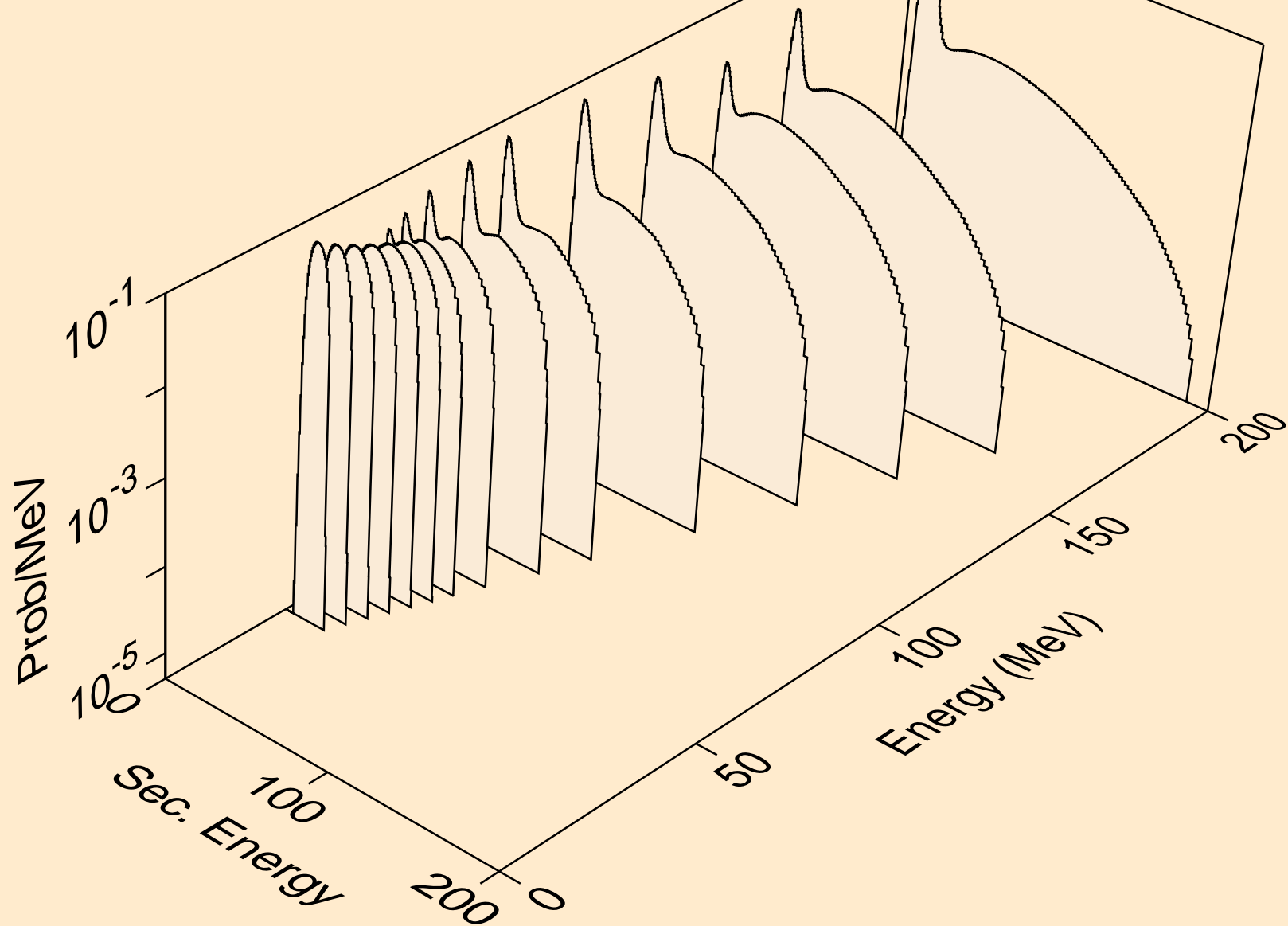
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deuterons from (n,d)



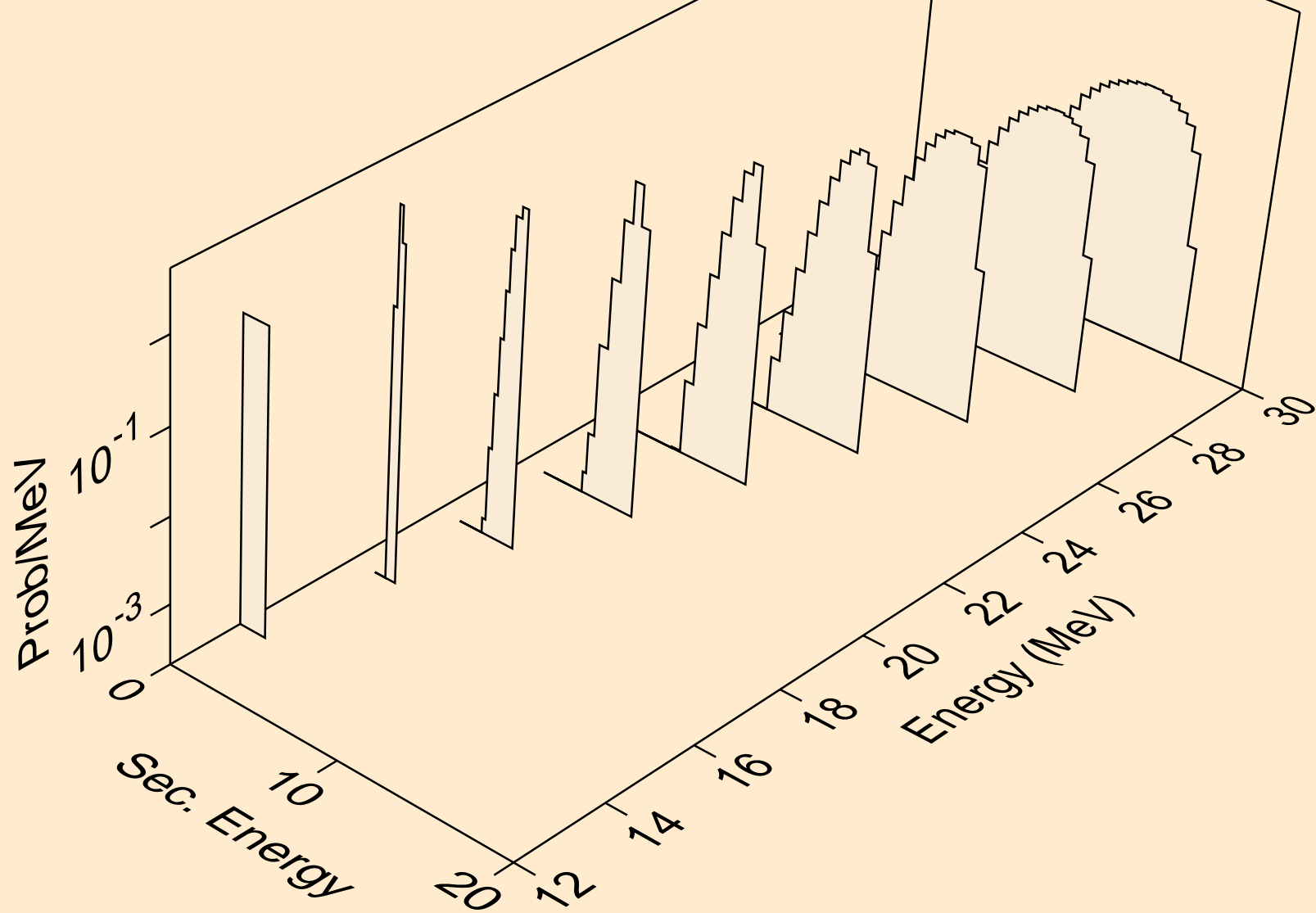
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,pd)



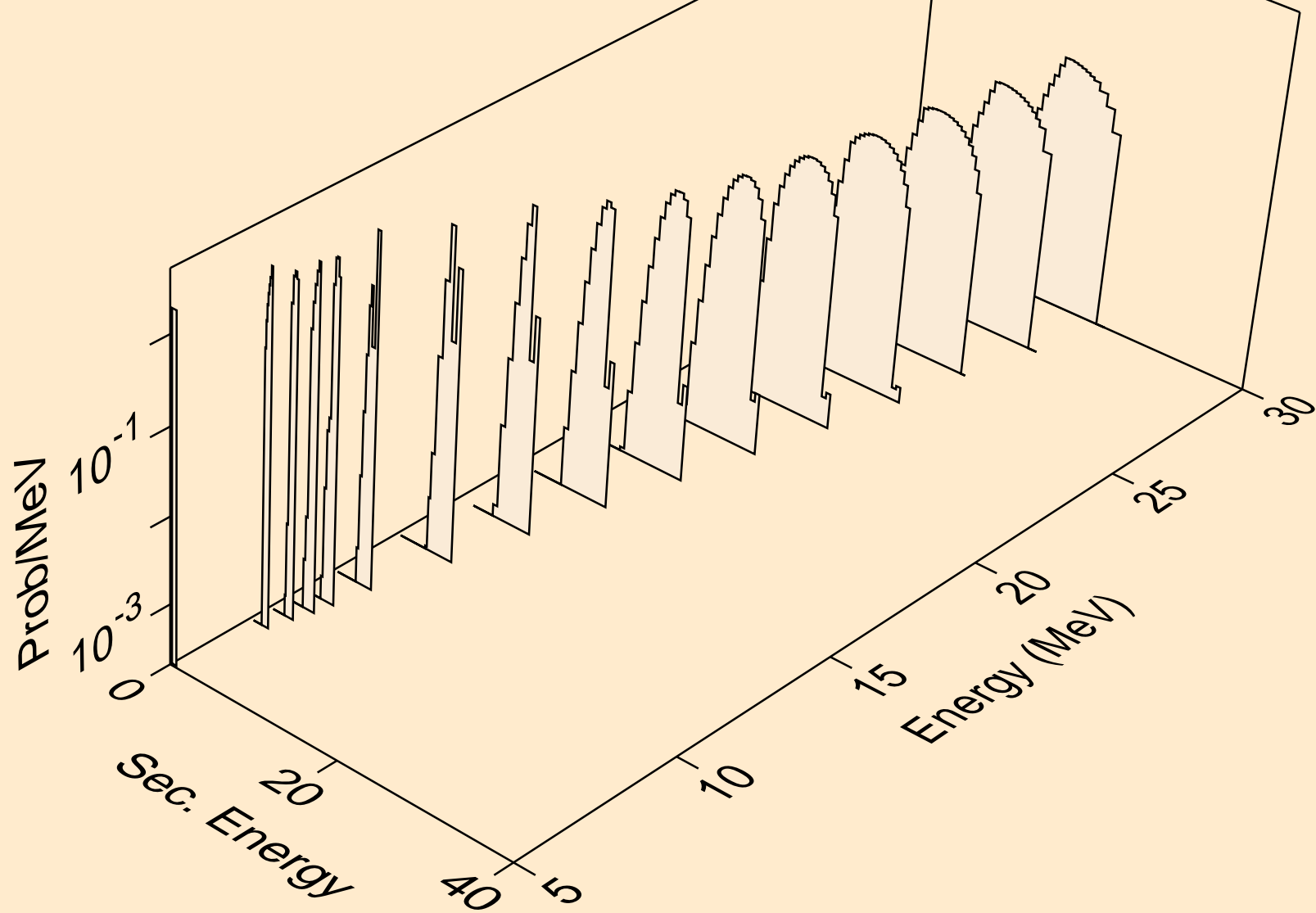
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tritons from (n,x)



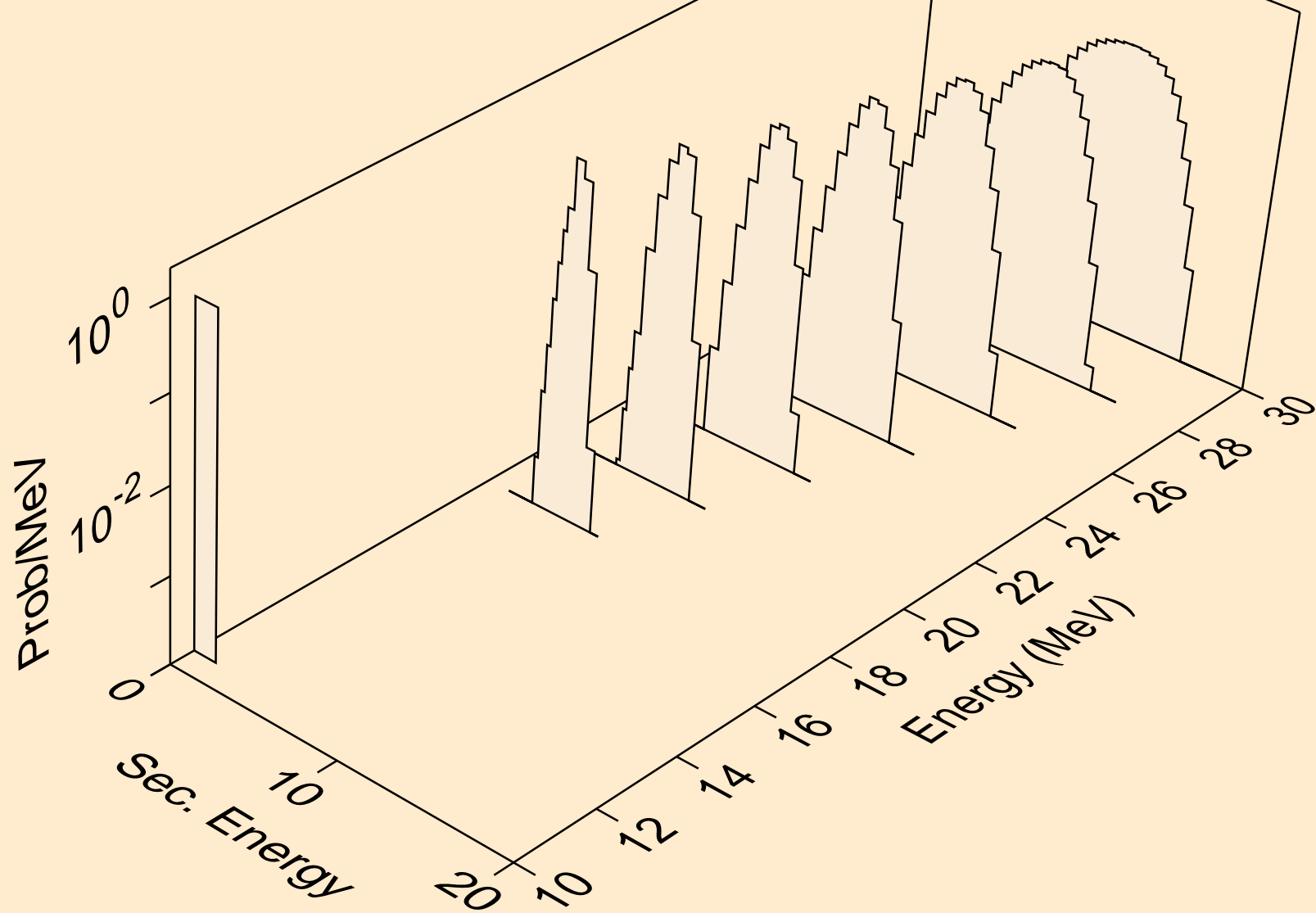
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tritons from (n,n\*)t



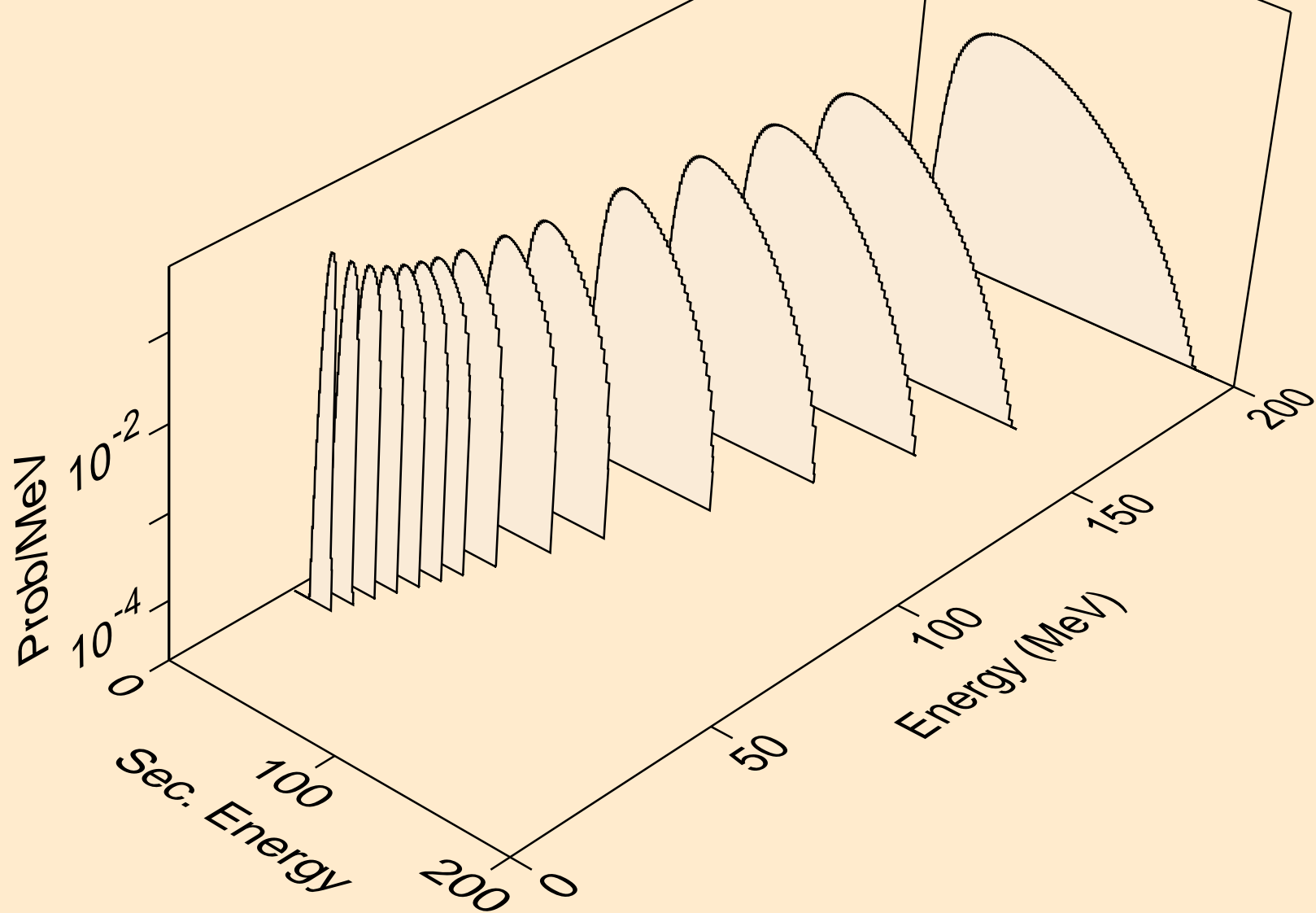
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tritons from (n,t)



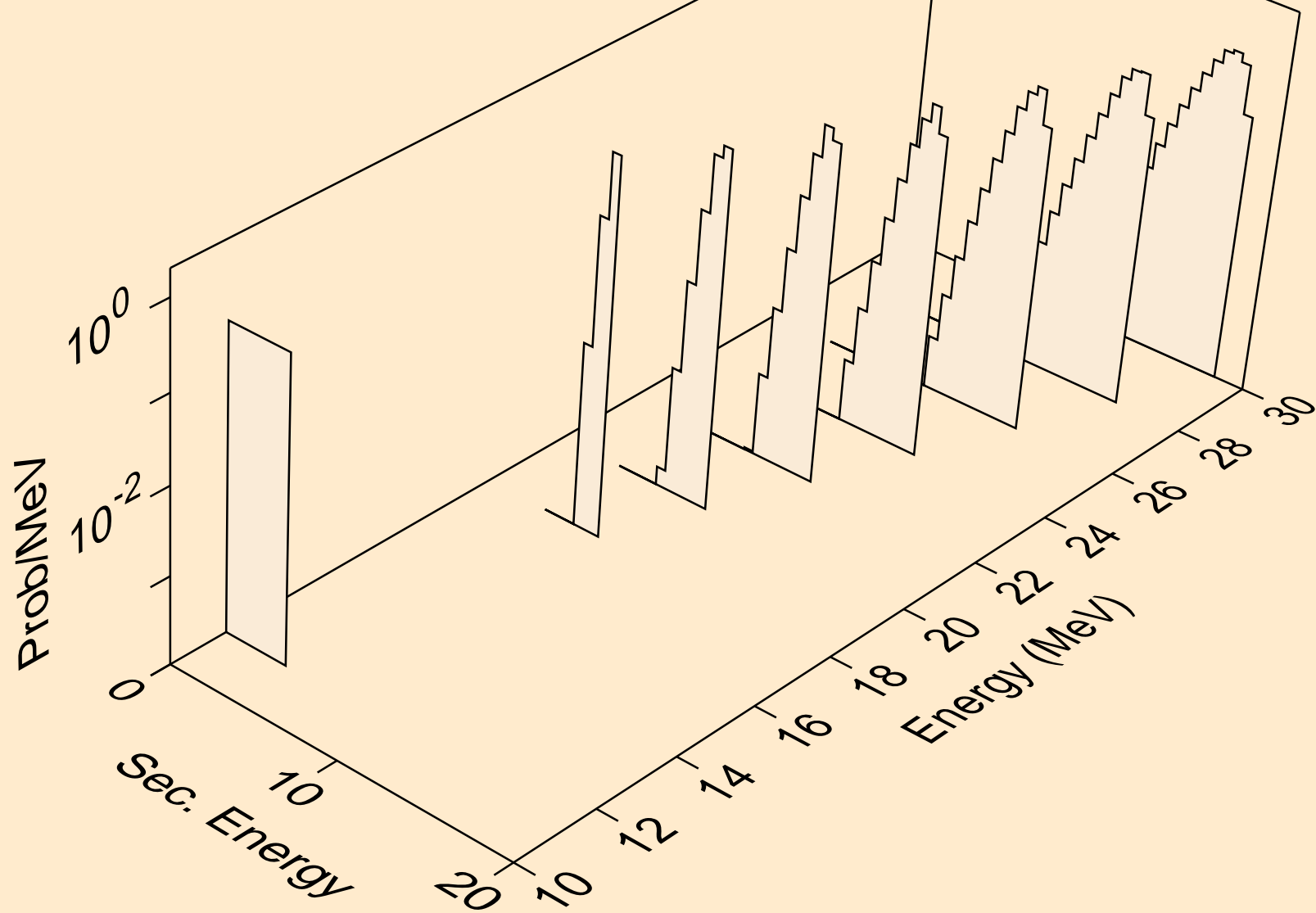
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,pt)



ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)

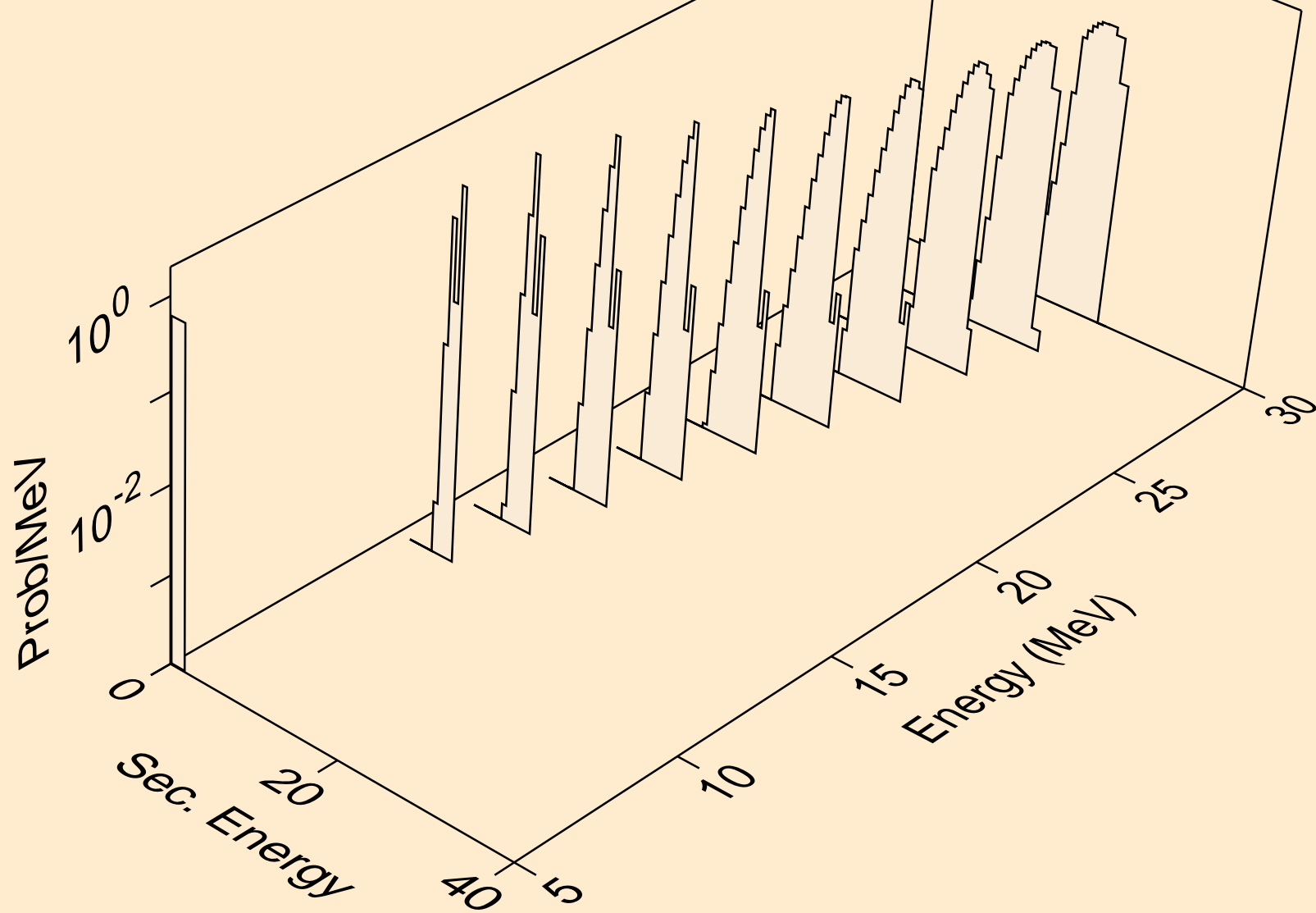


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he3s from (n,n\*)he3

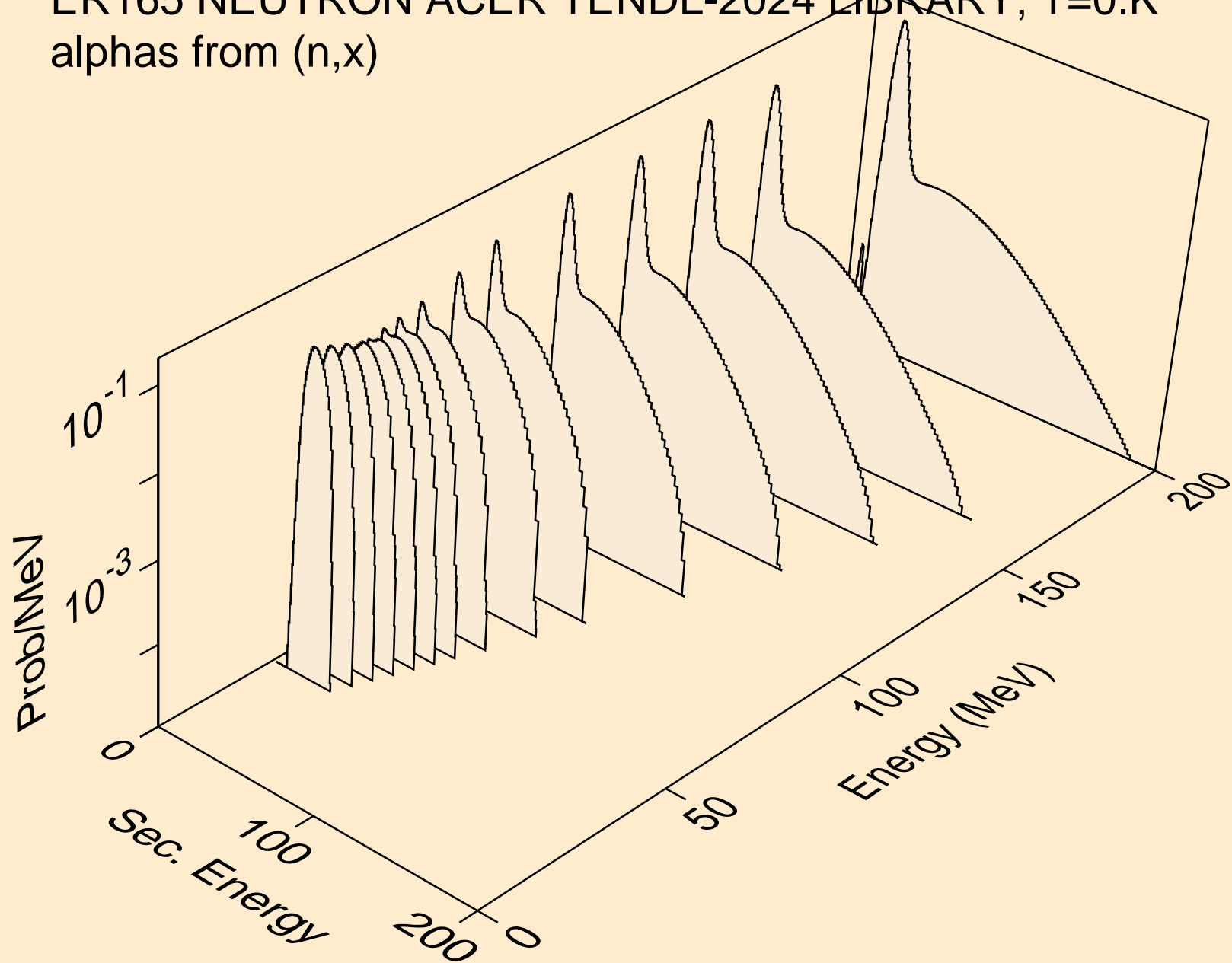




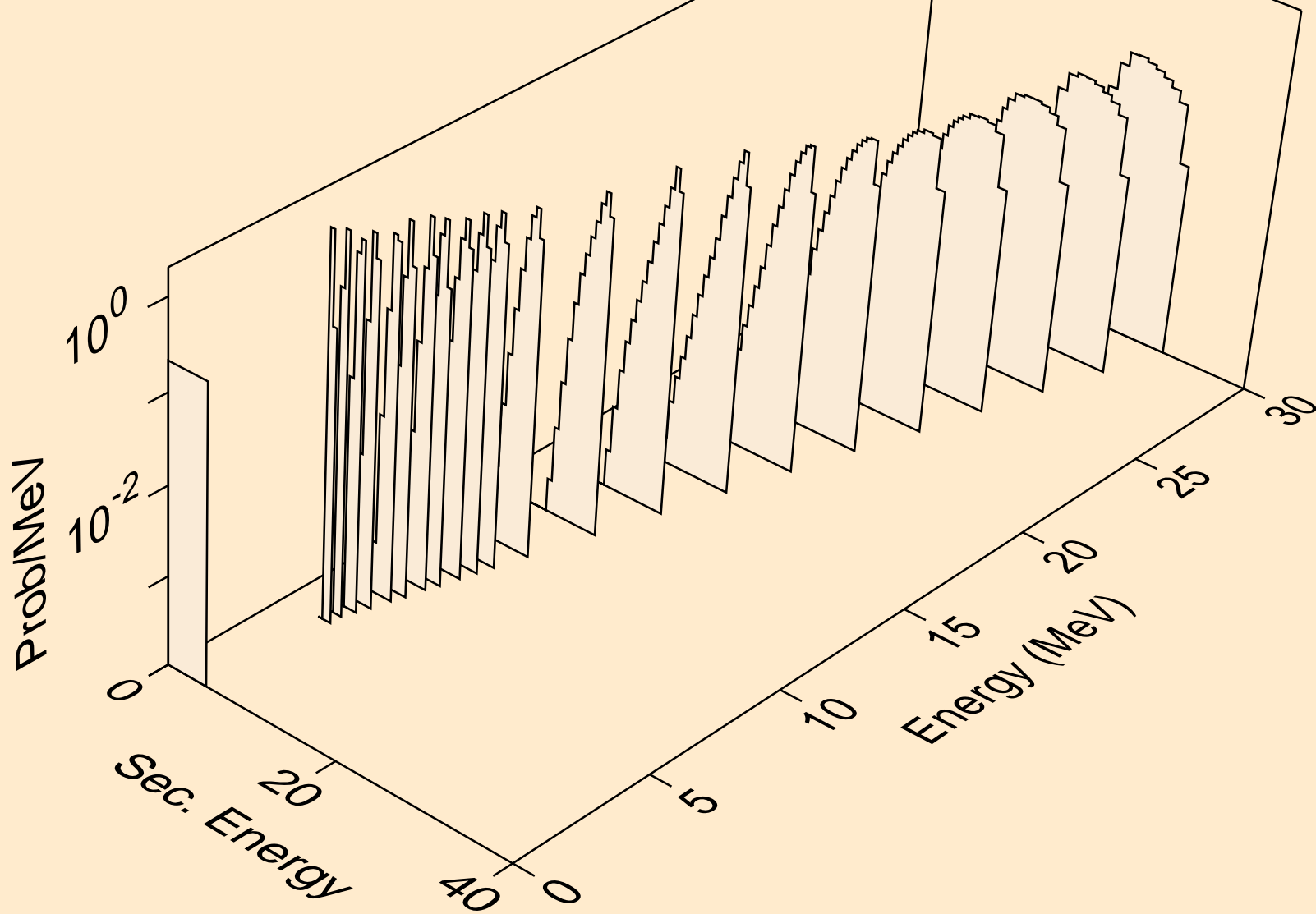
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)



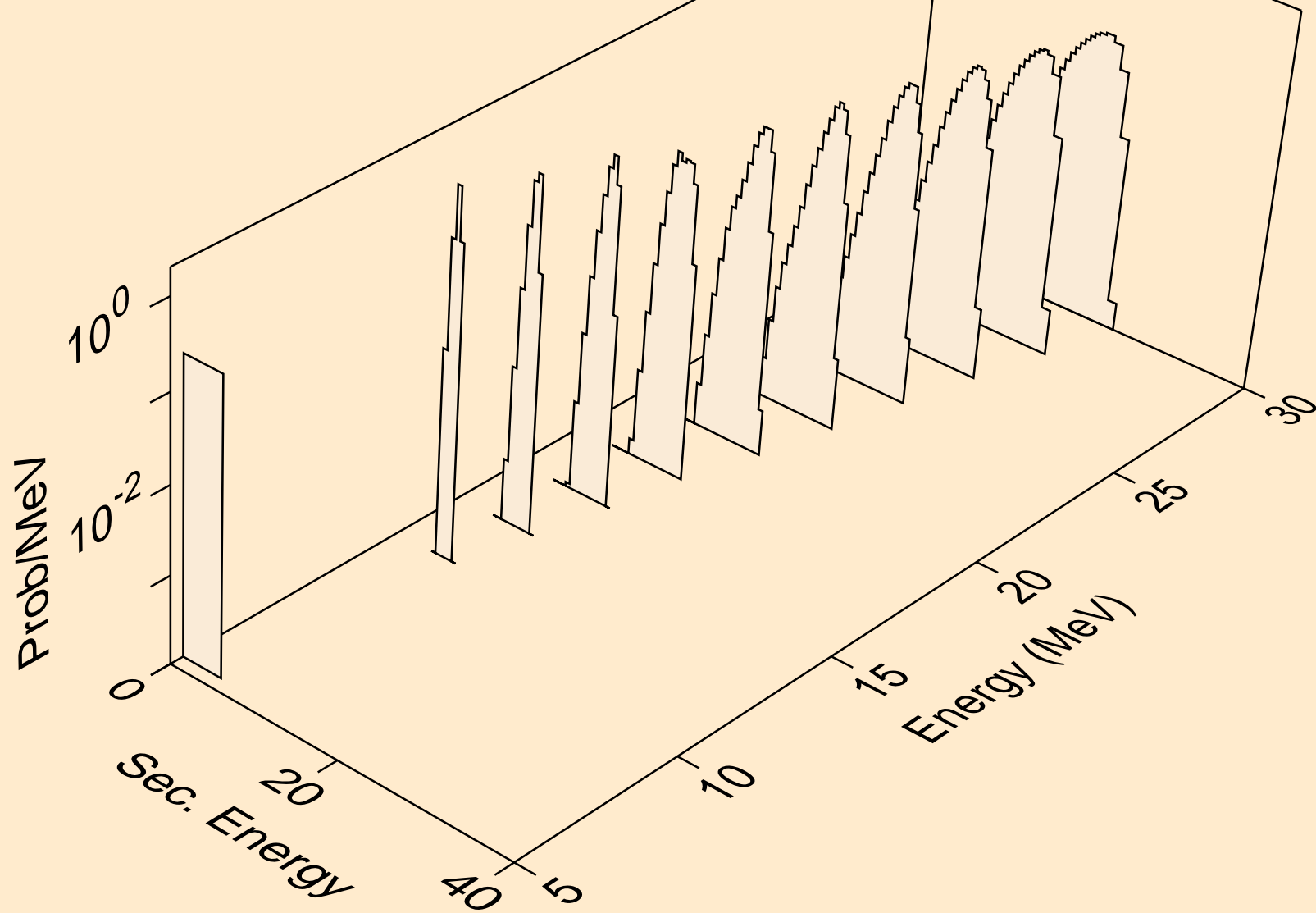
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



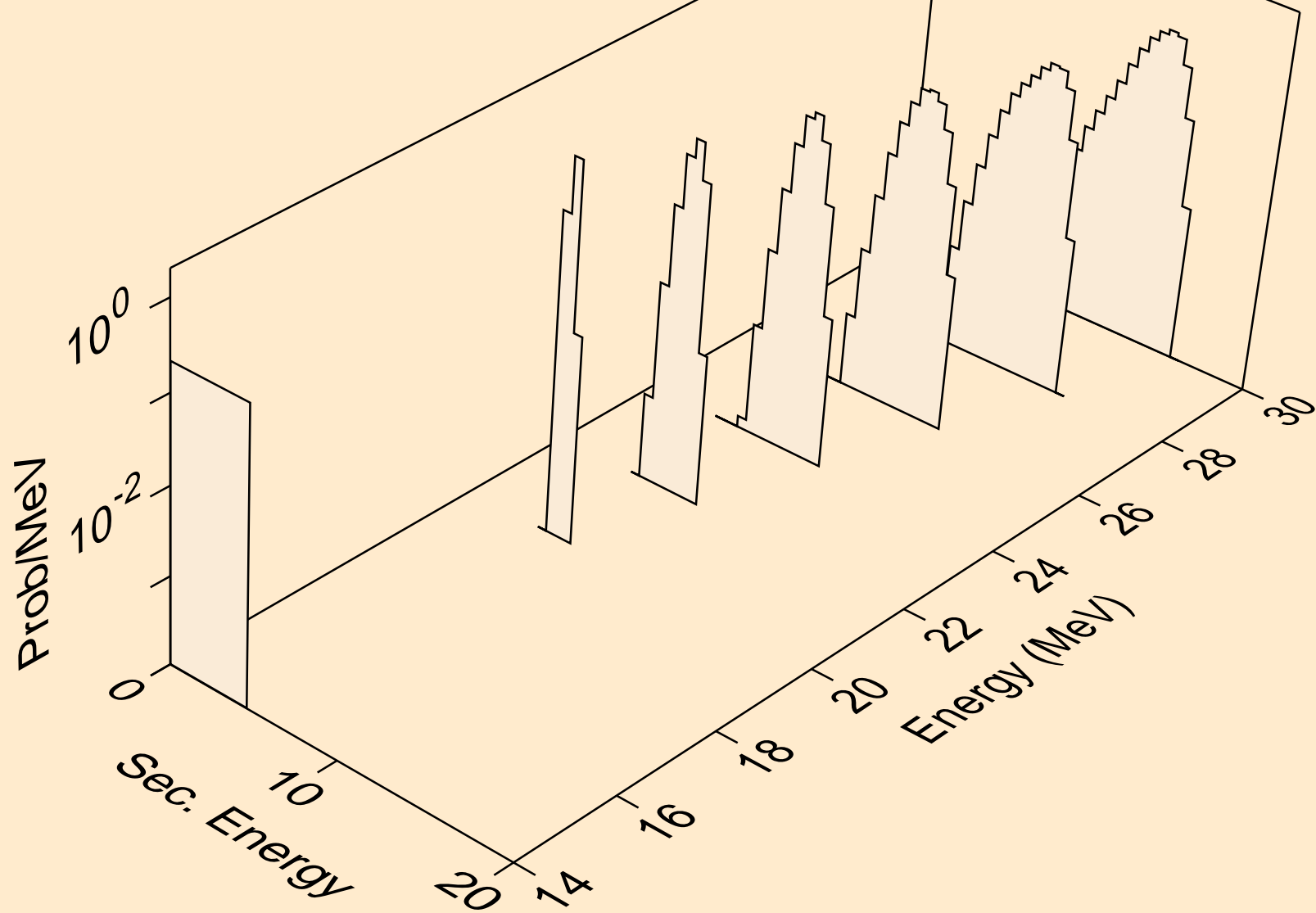
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



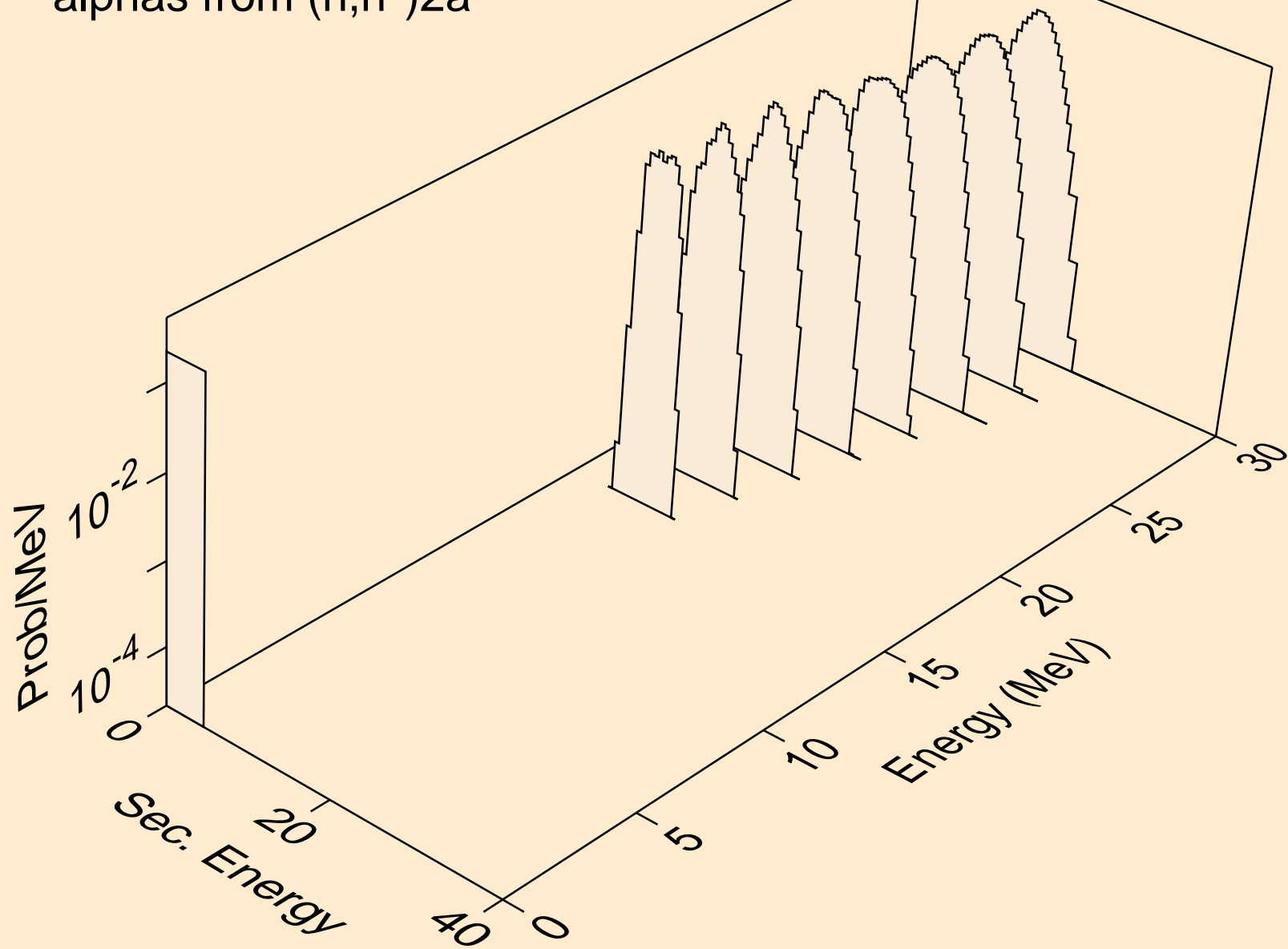
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



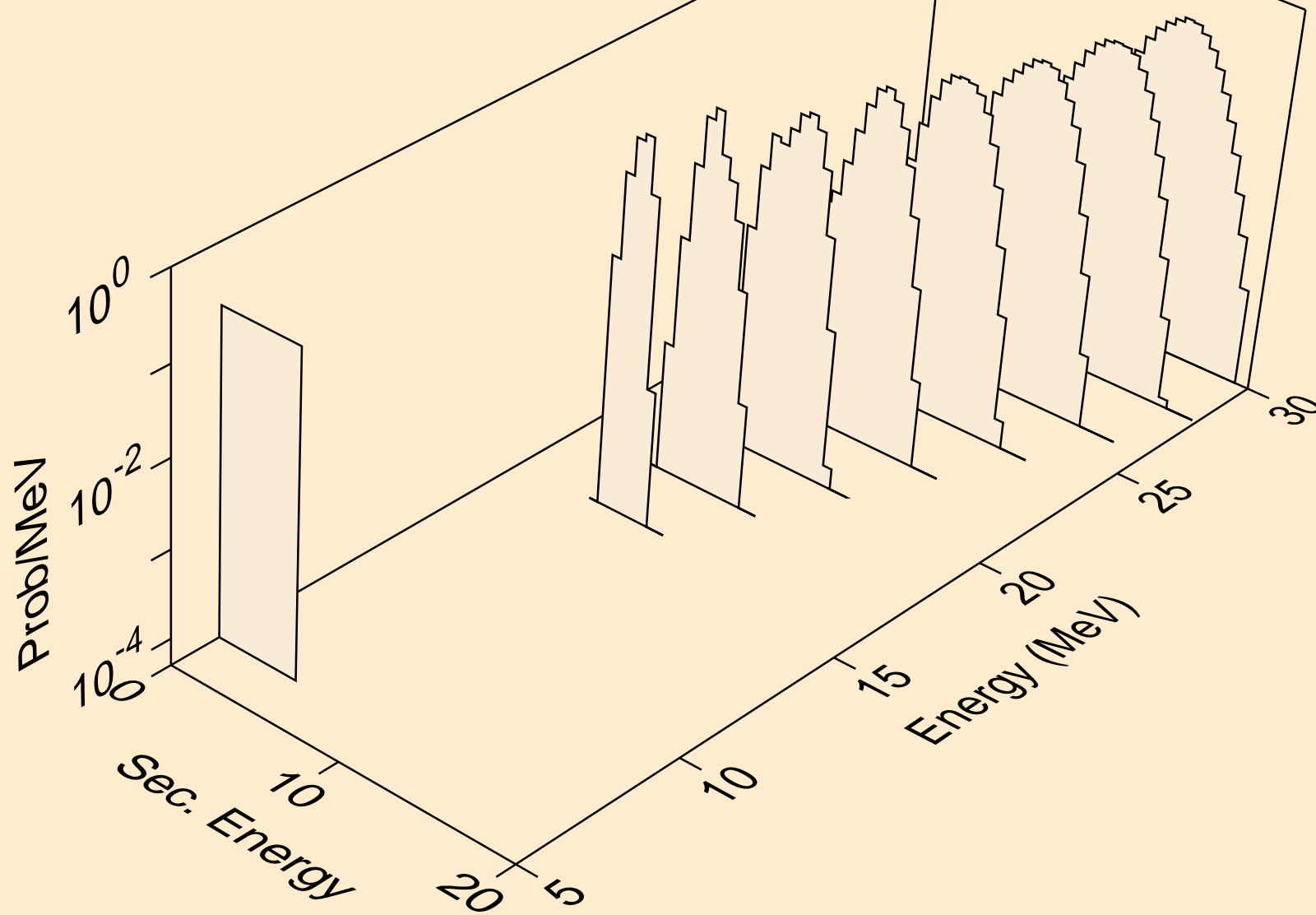
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a



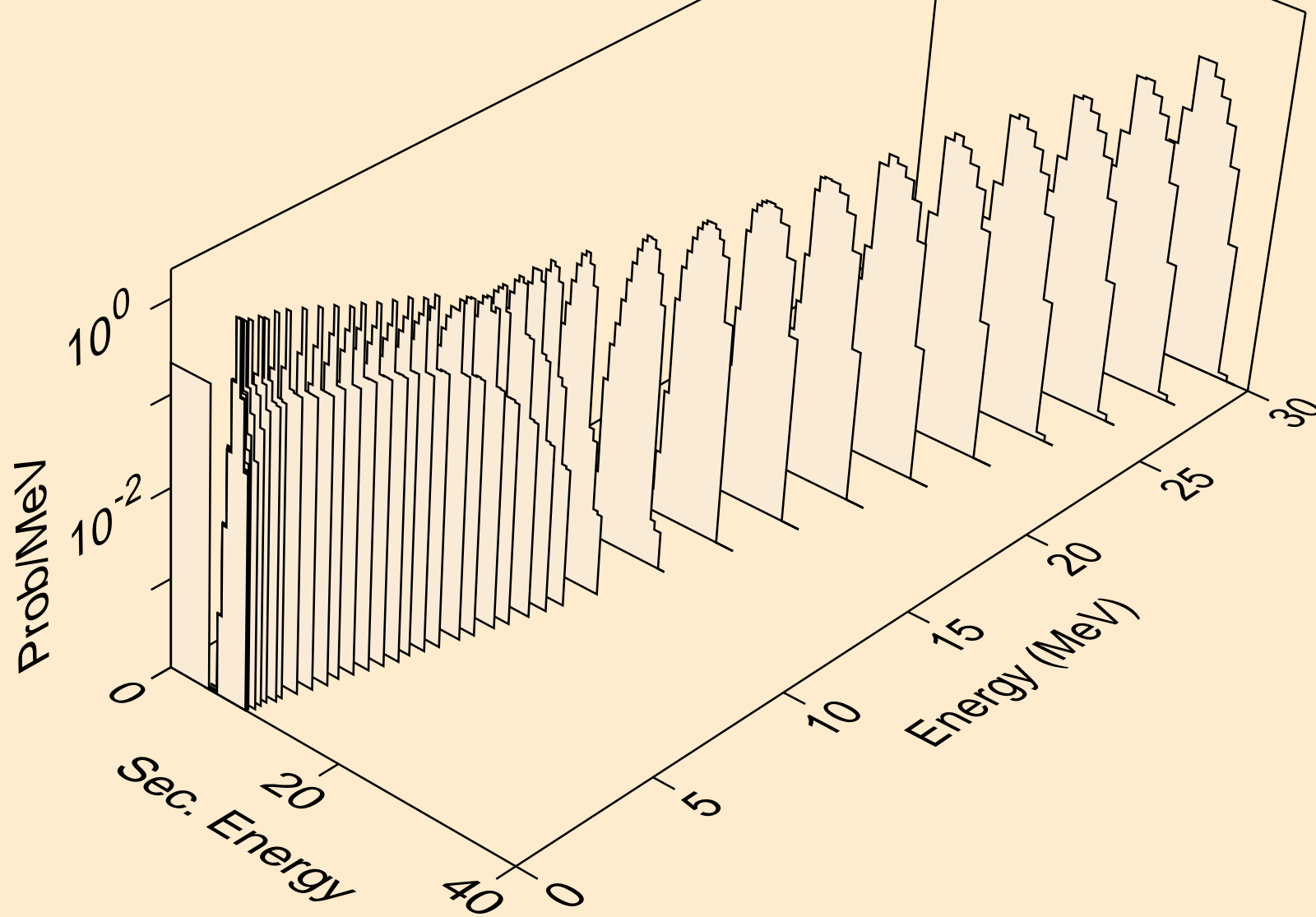
ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)2a



ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)

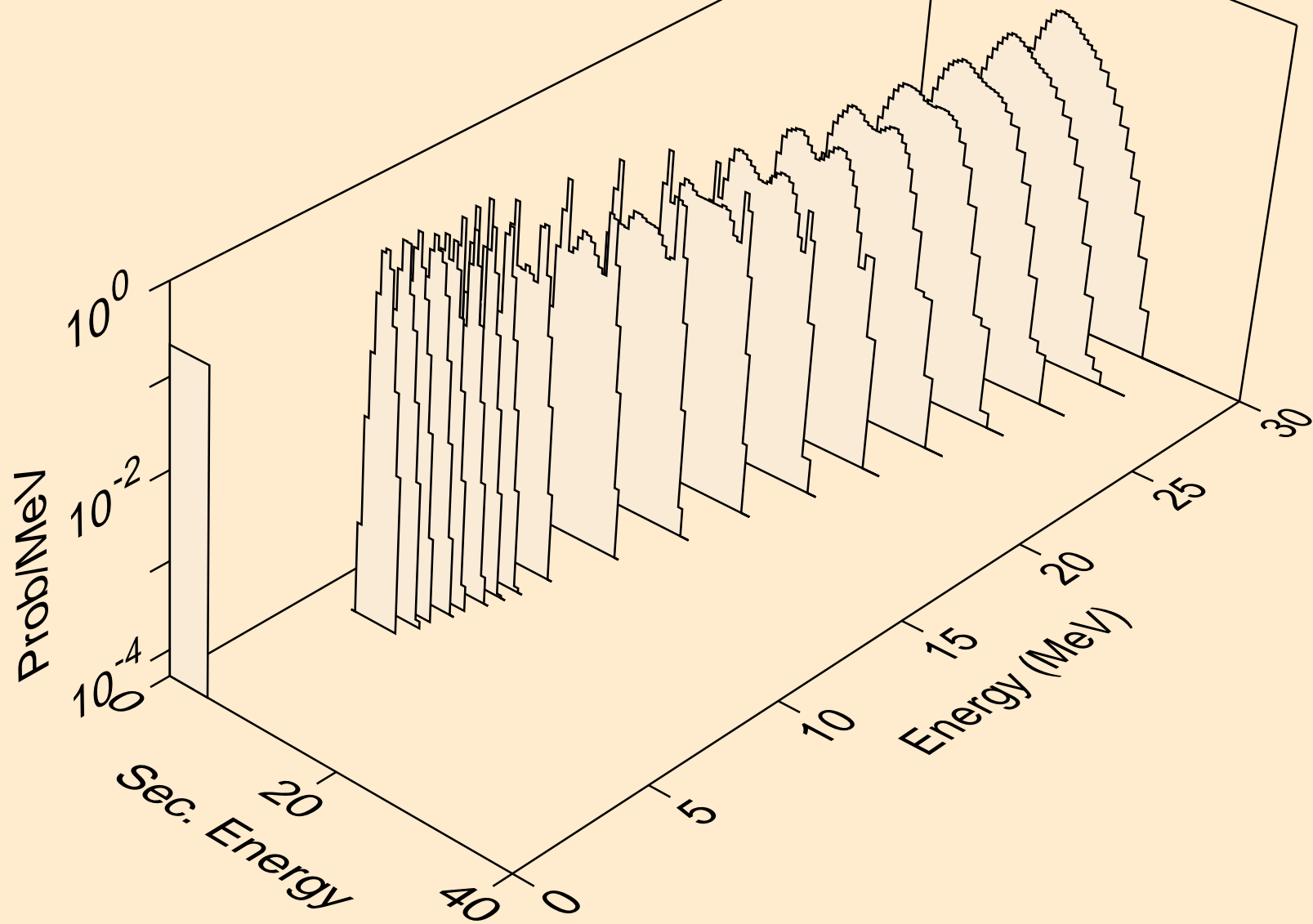


ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)





ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



ER165 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)

