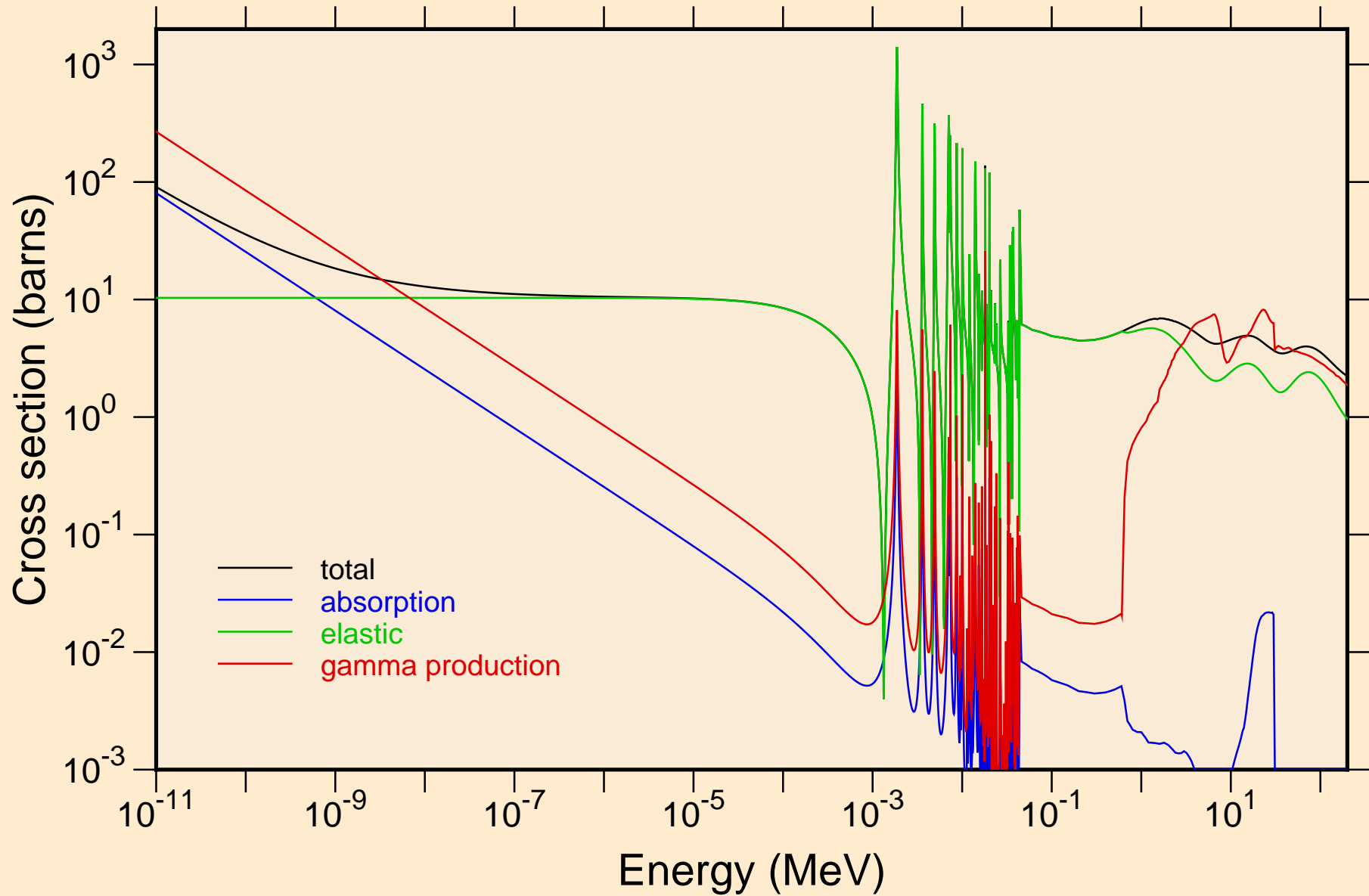
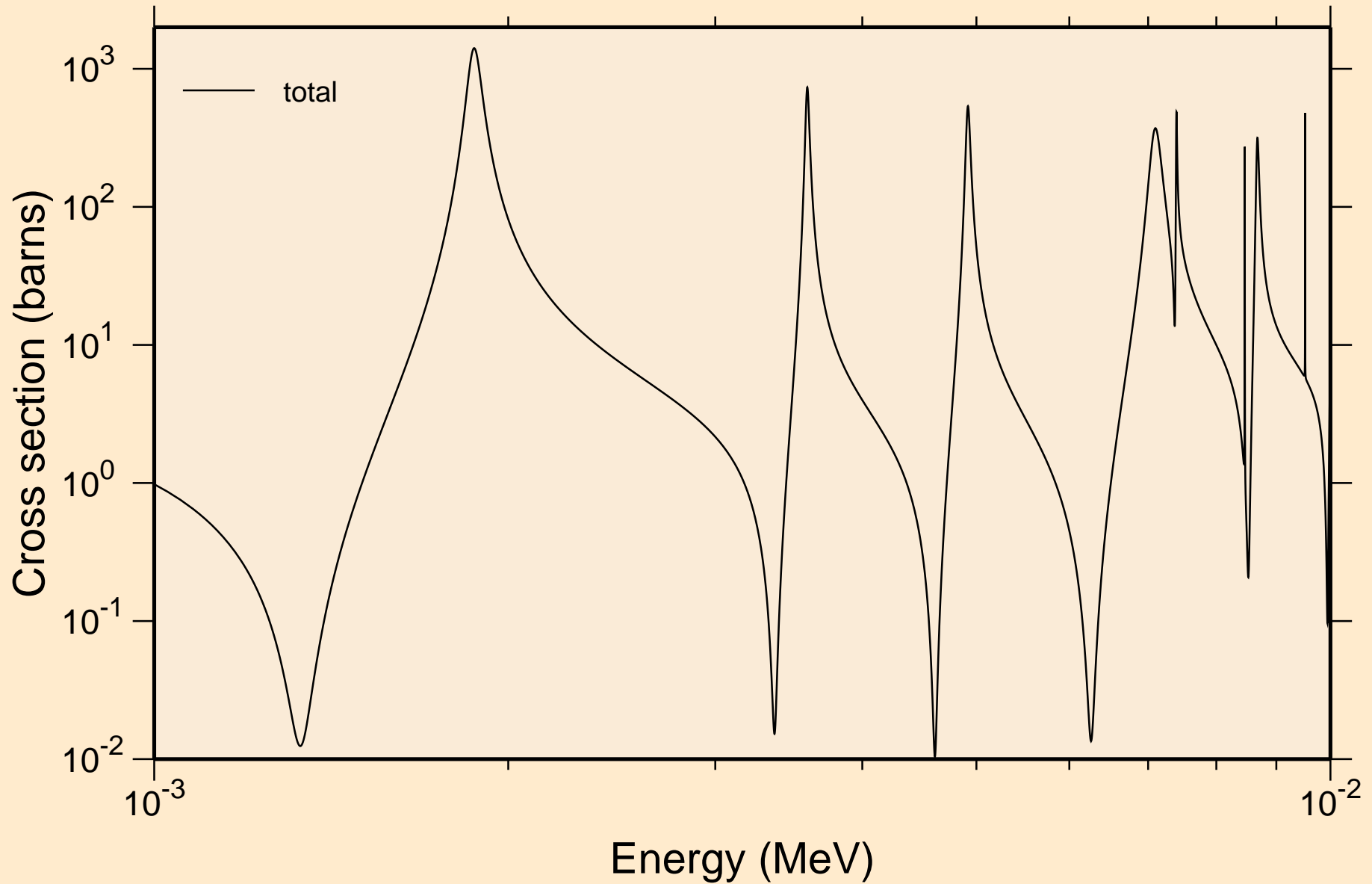


# BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

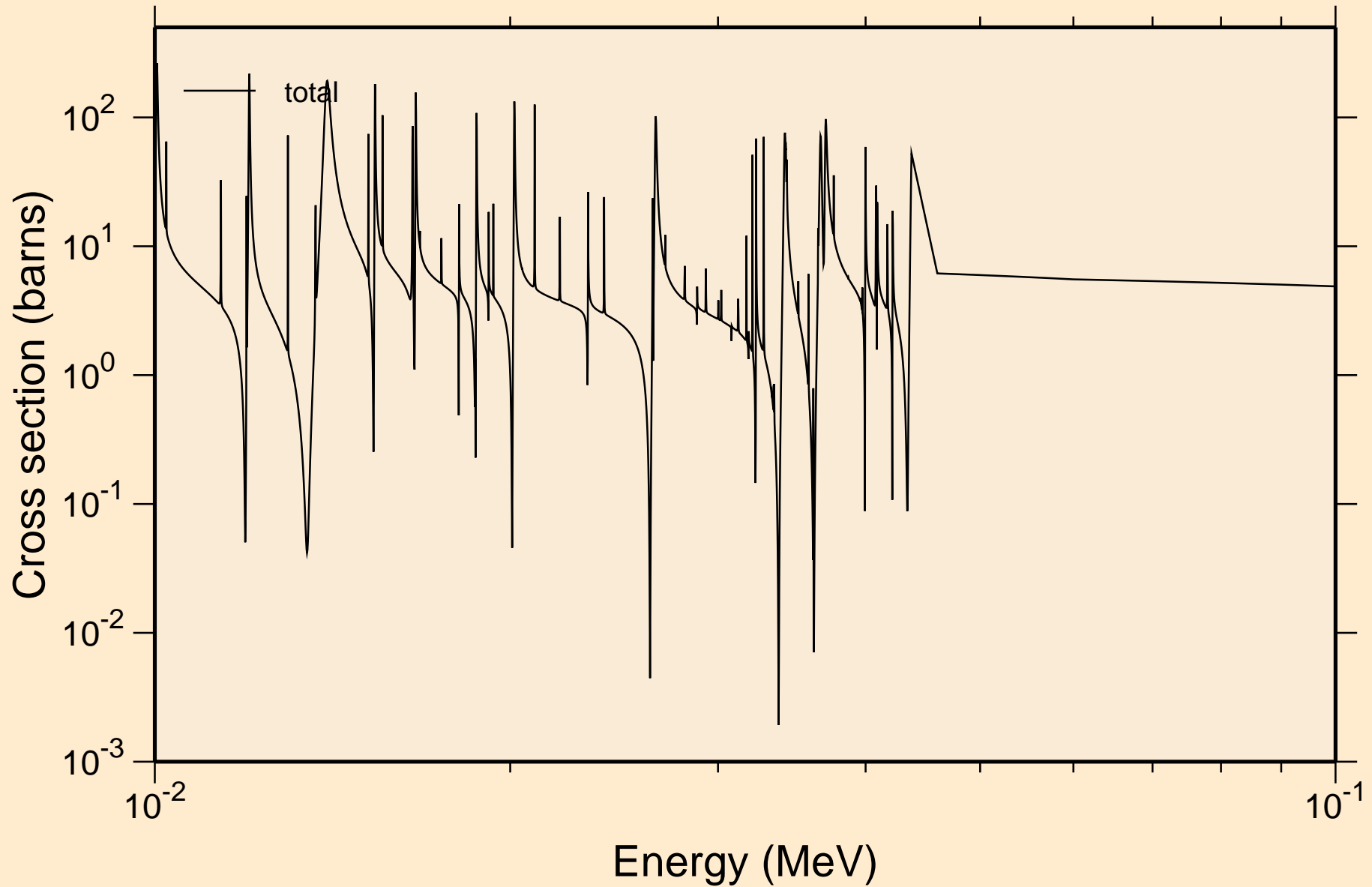
## Principal cross sections



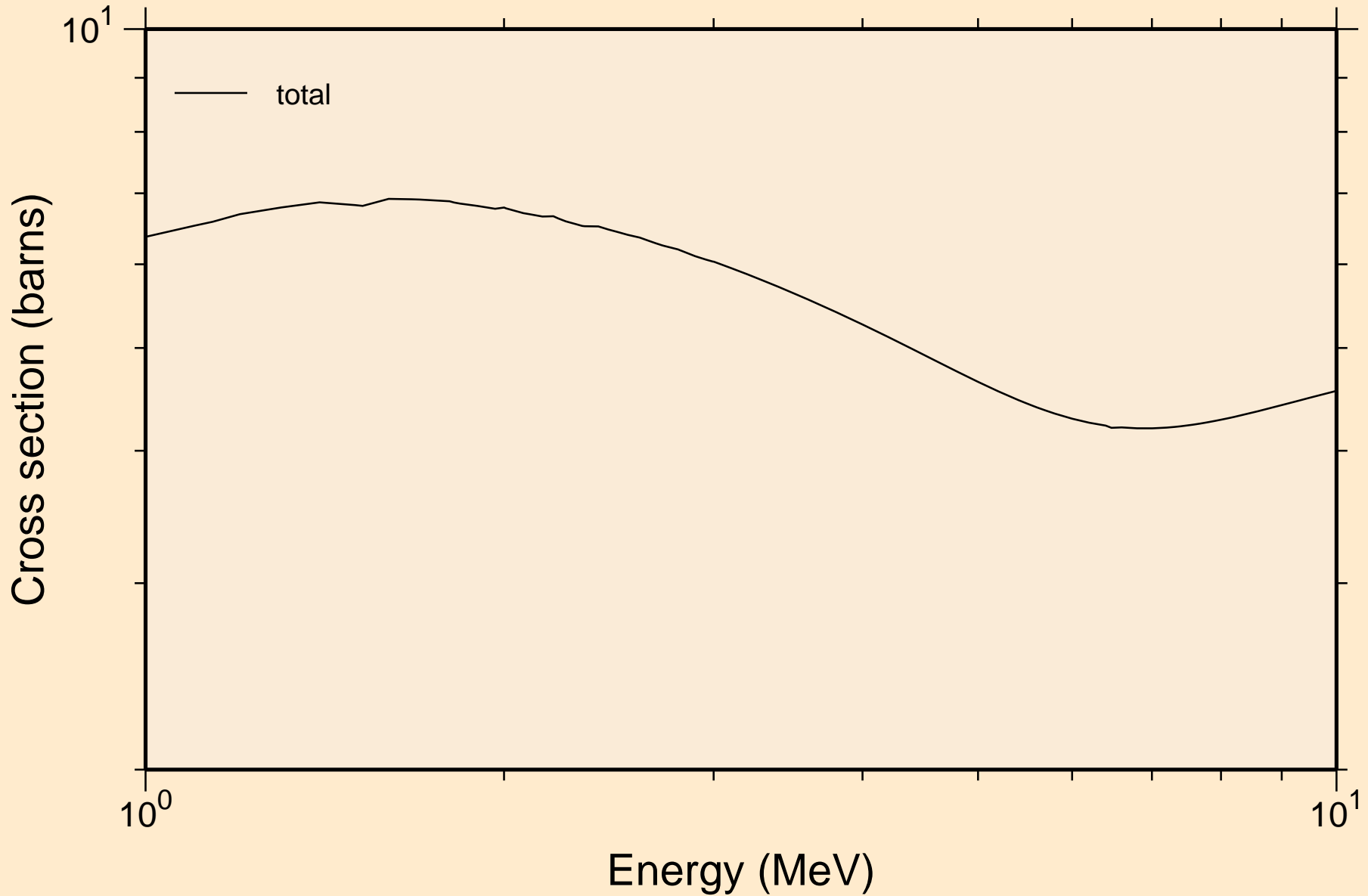
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



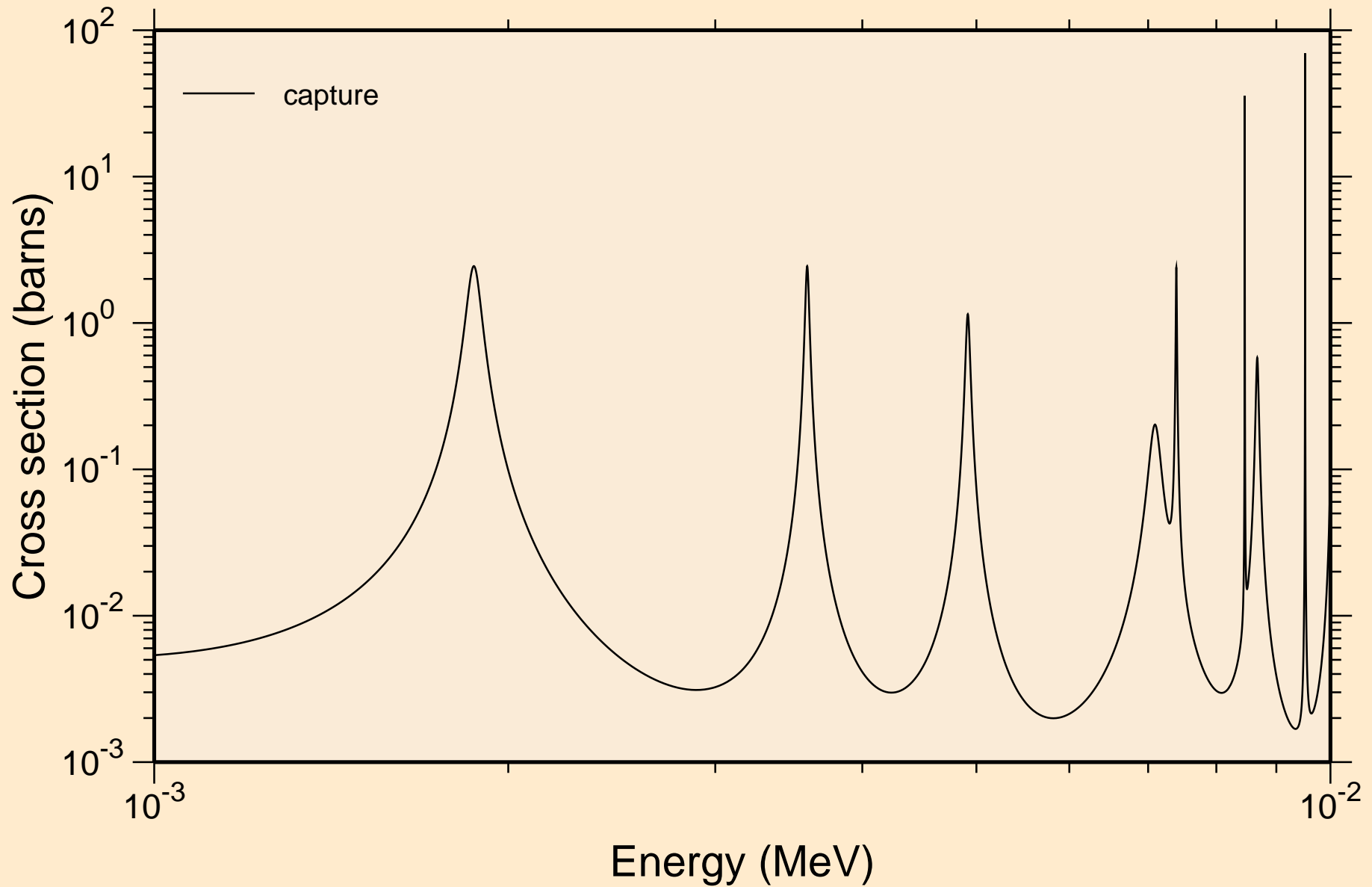
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



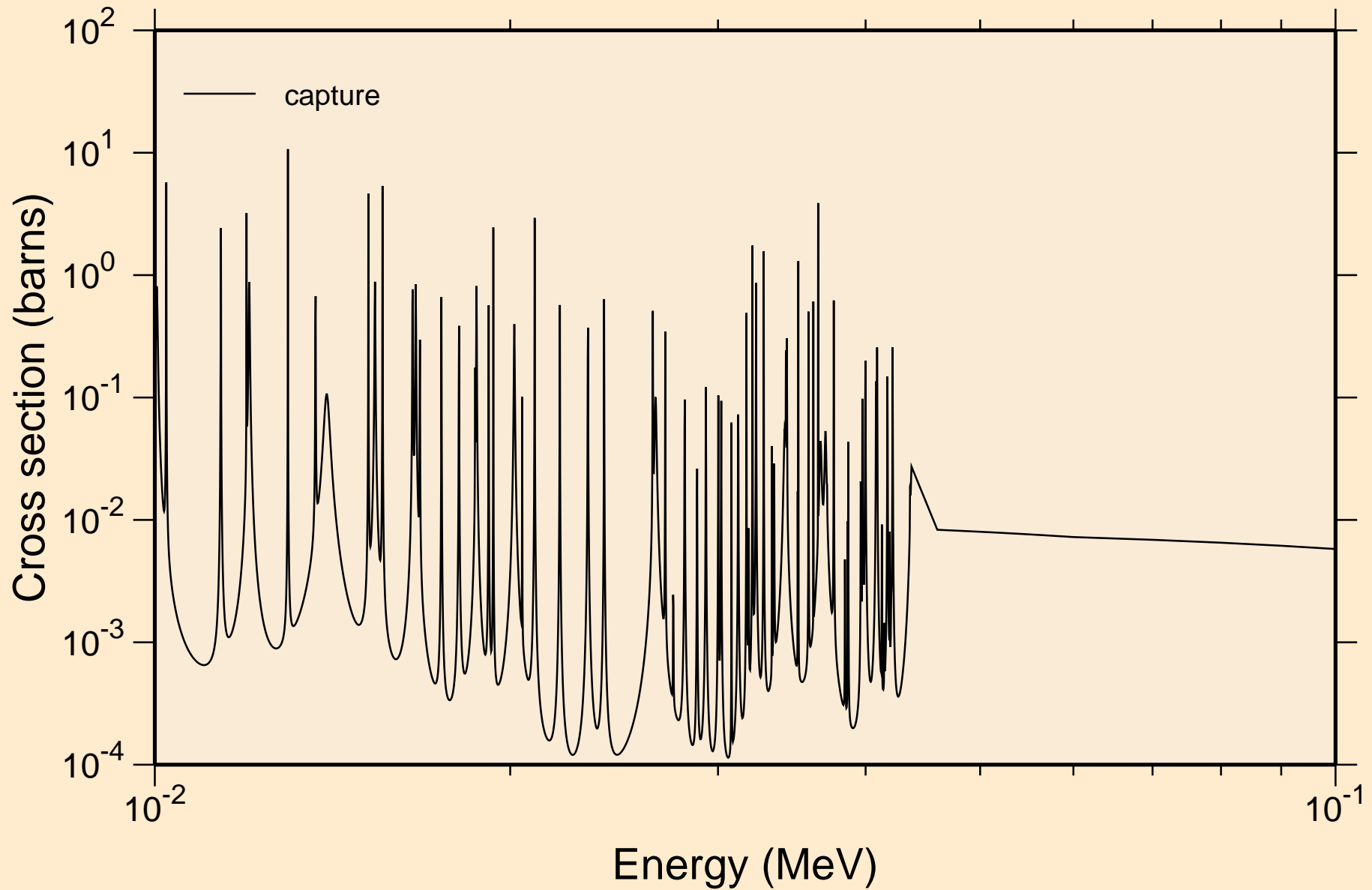
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



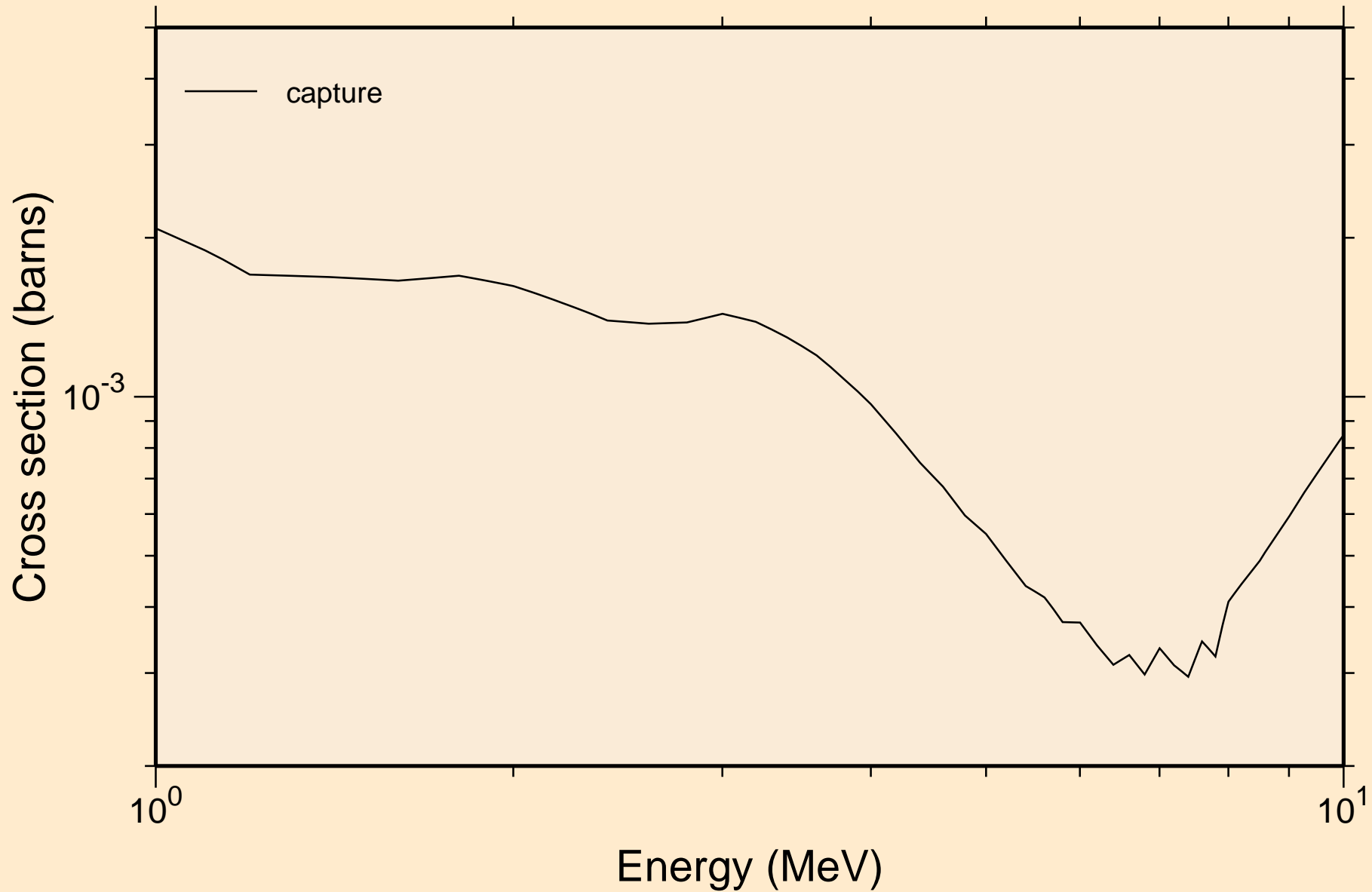
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



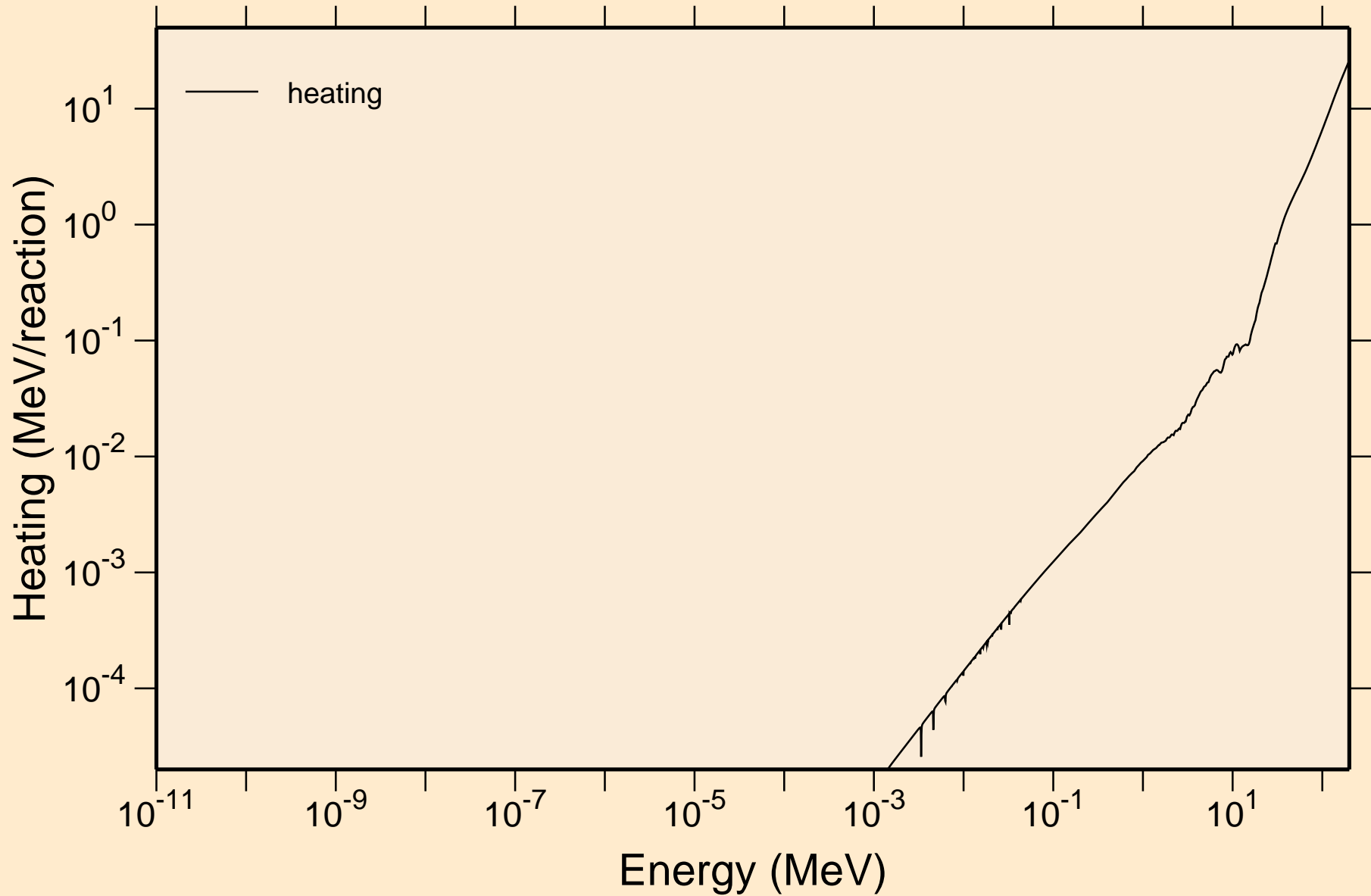
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



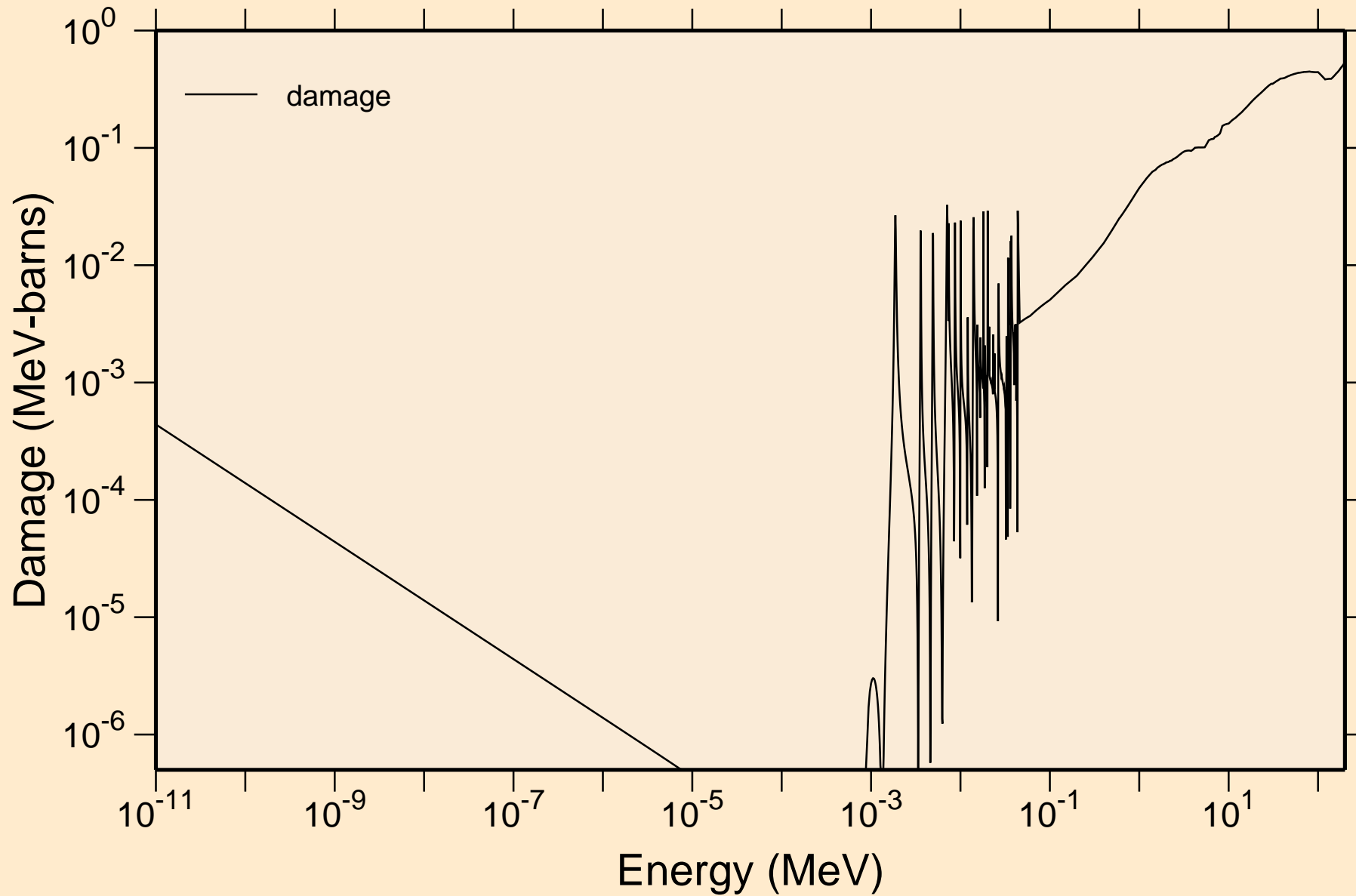
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Heating



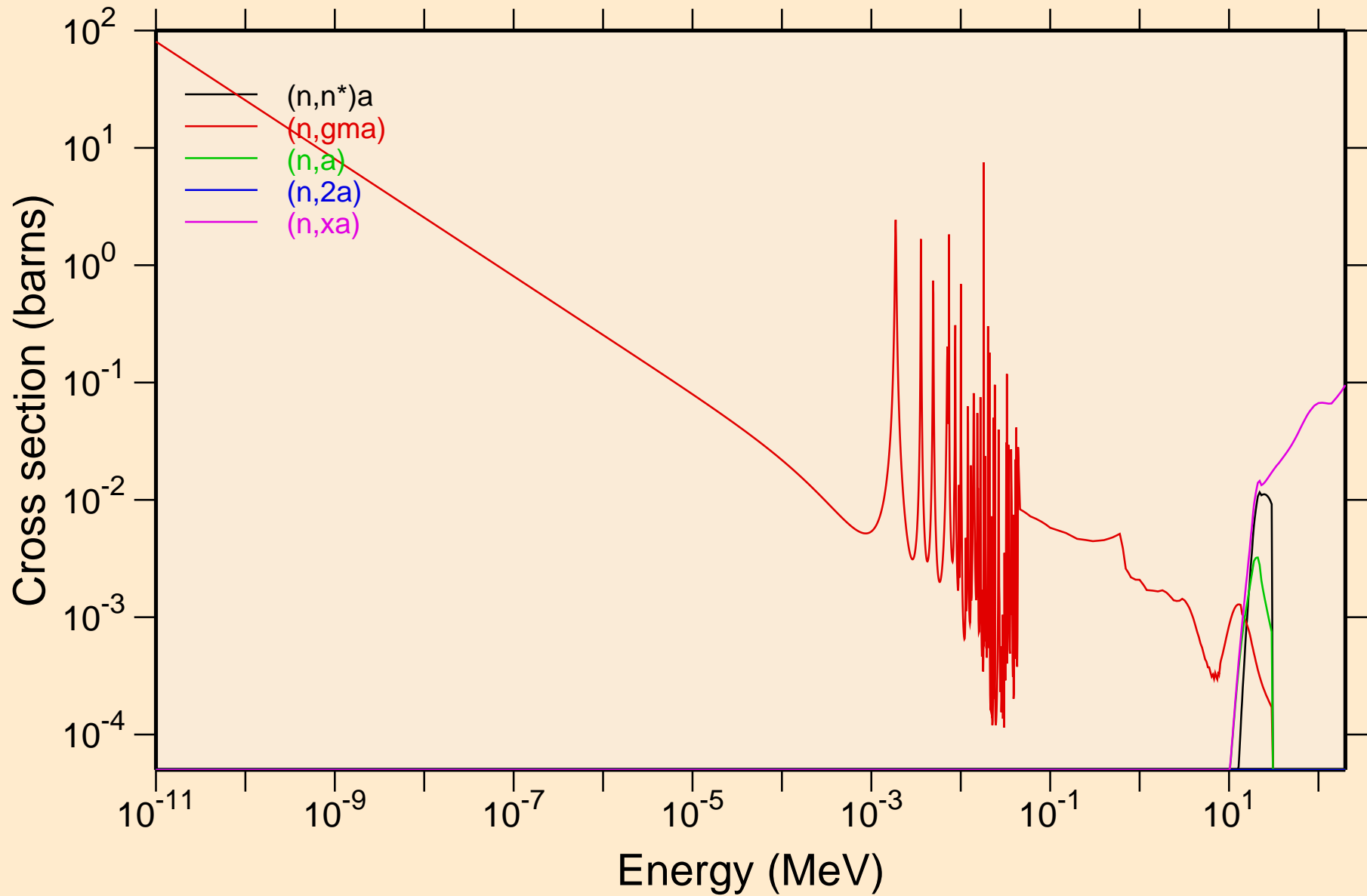


# BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage

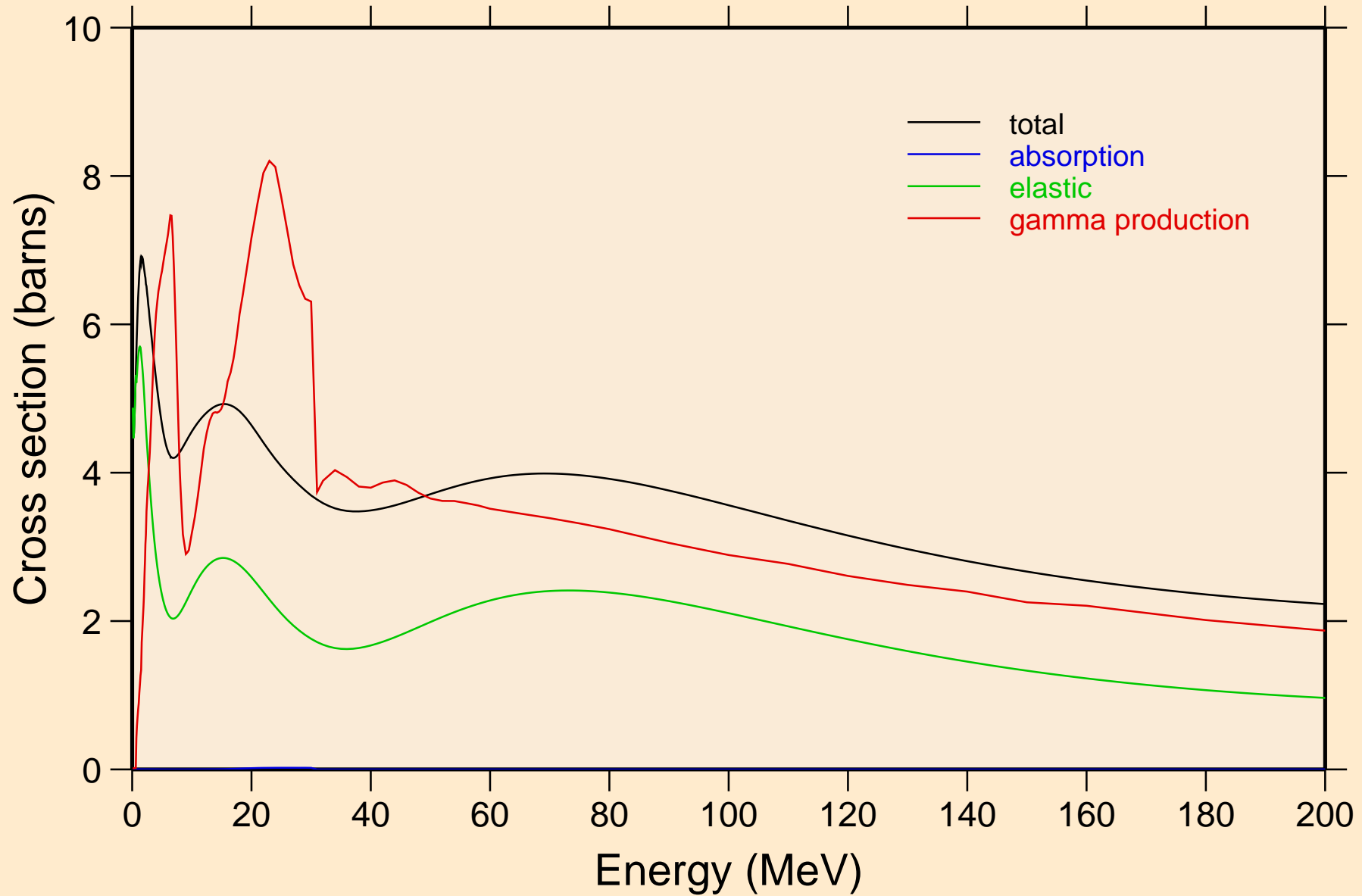


BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



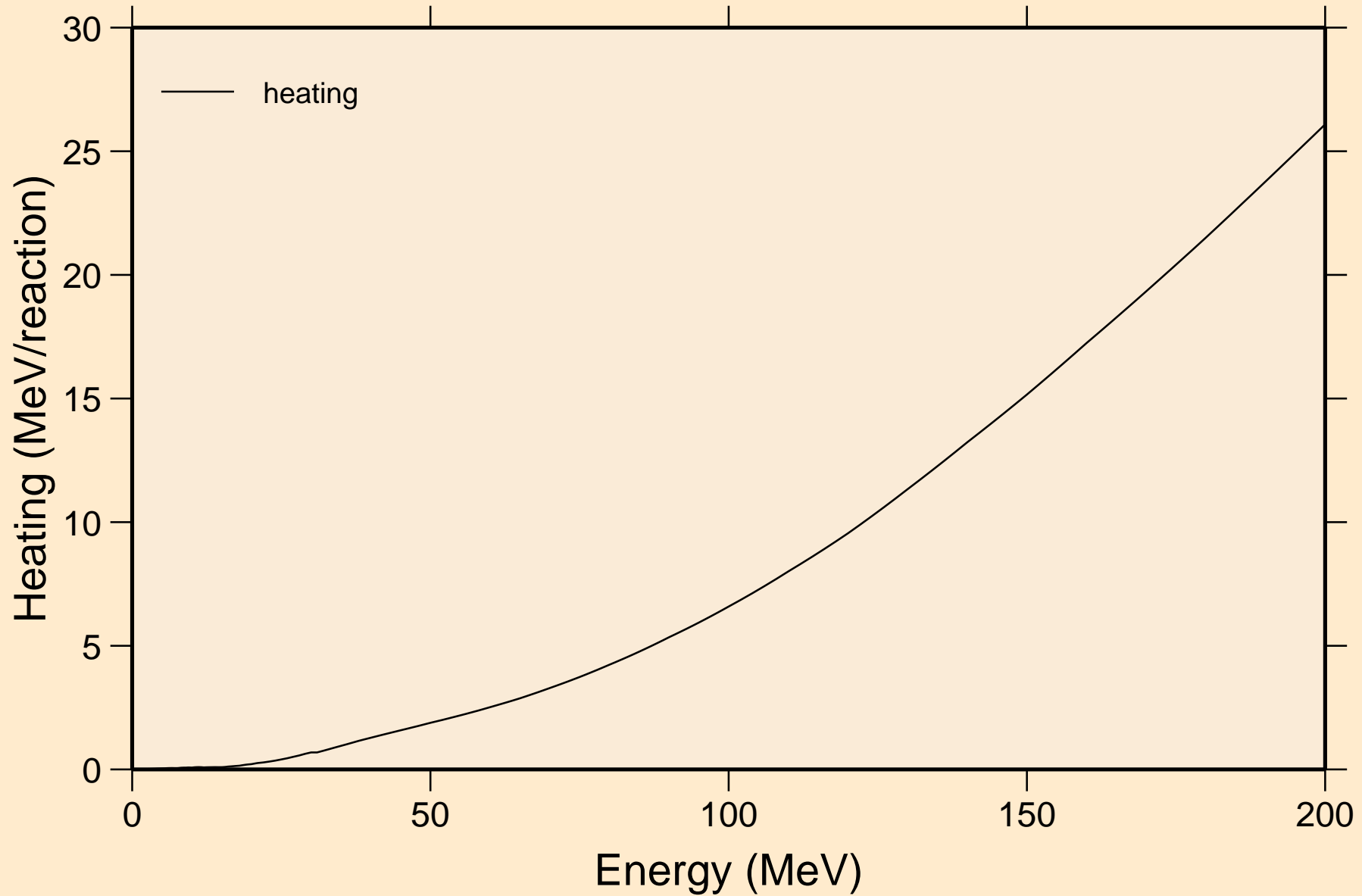
# BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections

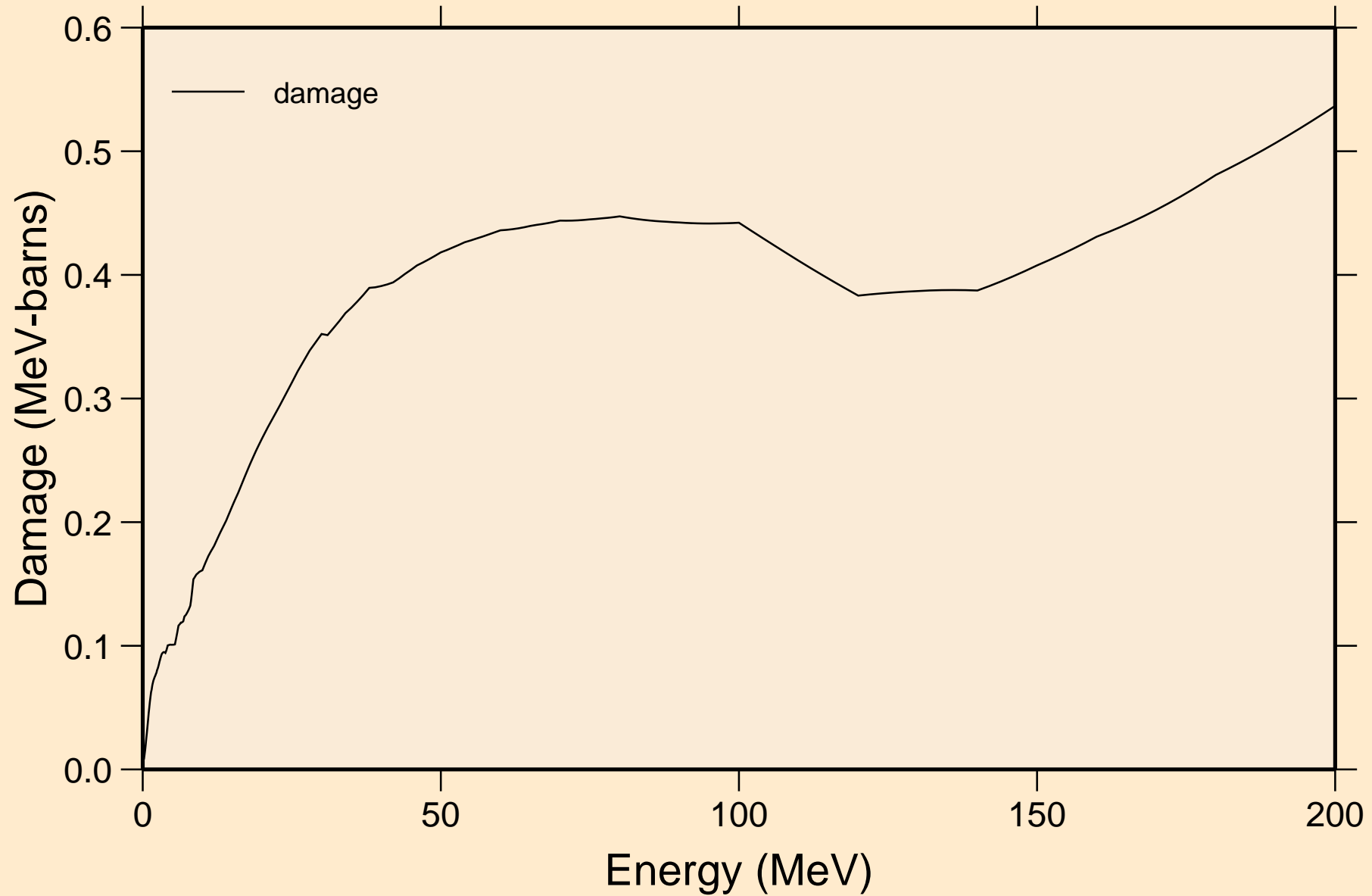


# BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

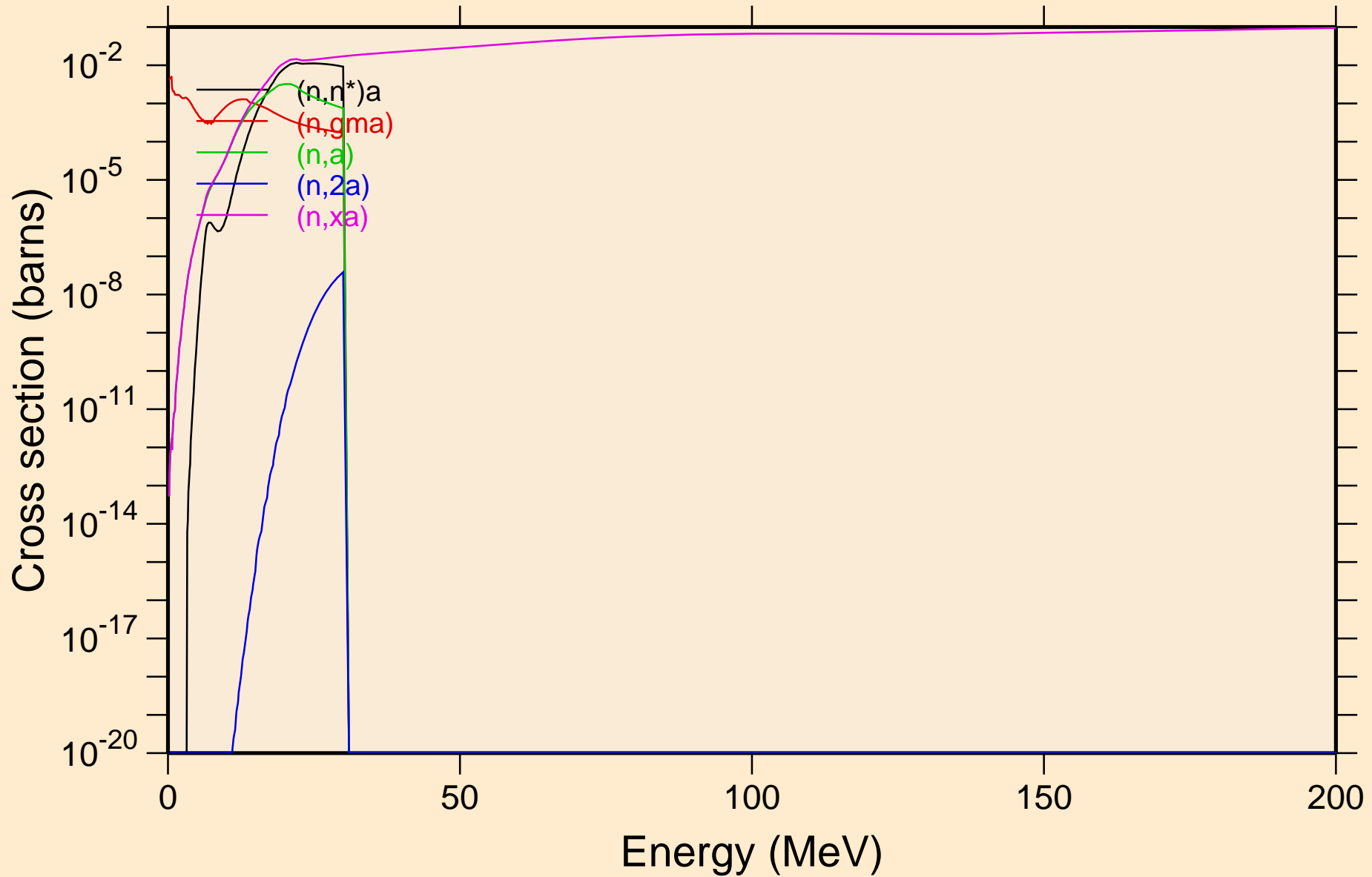


BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage

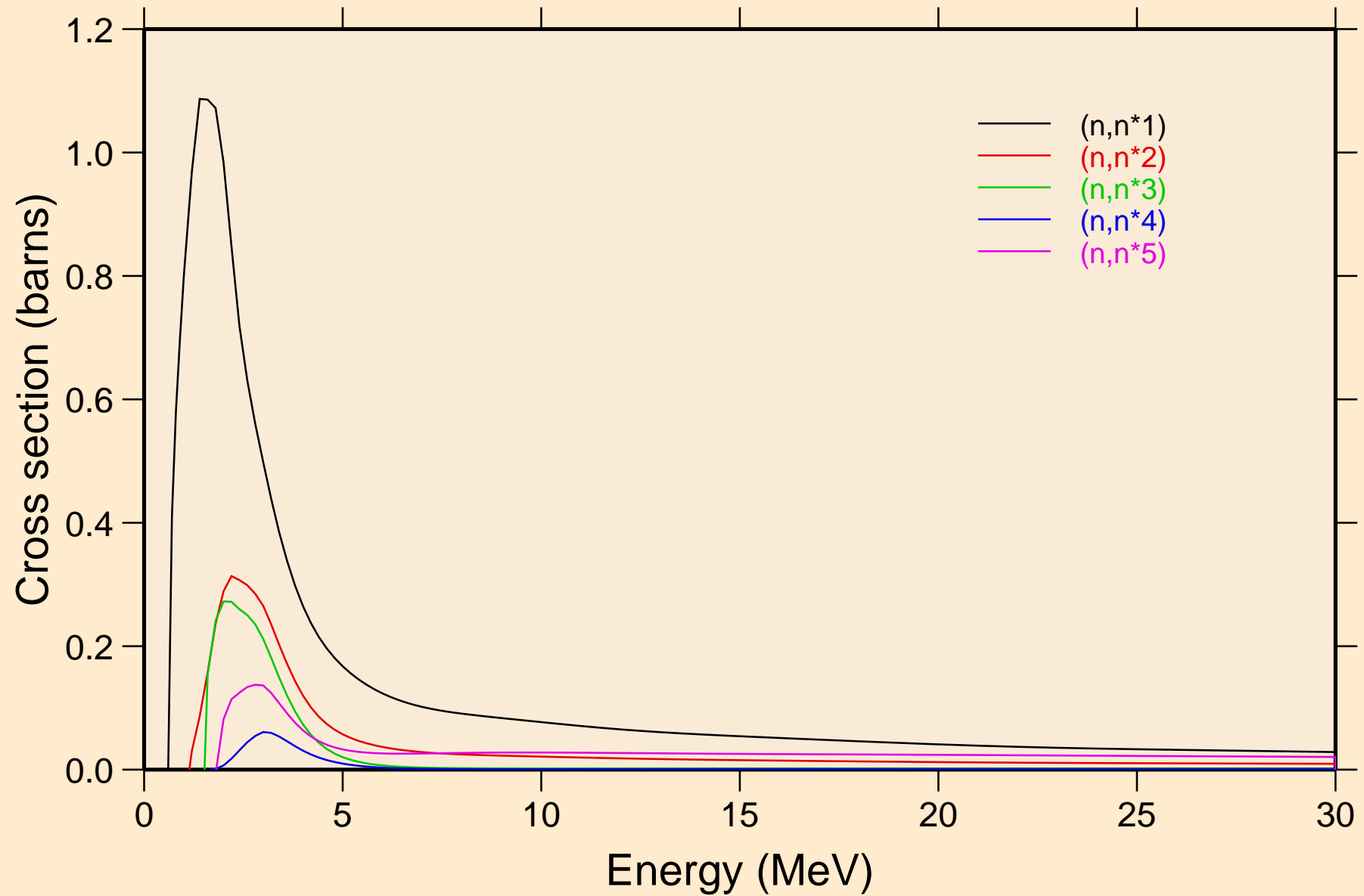


# BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

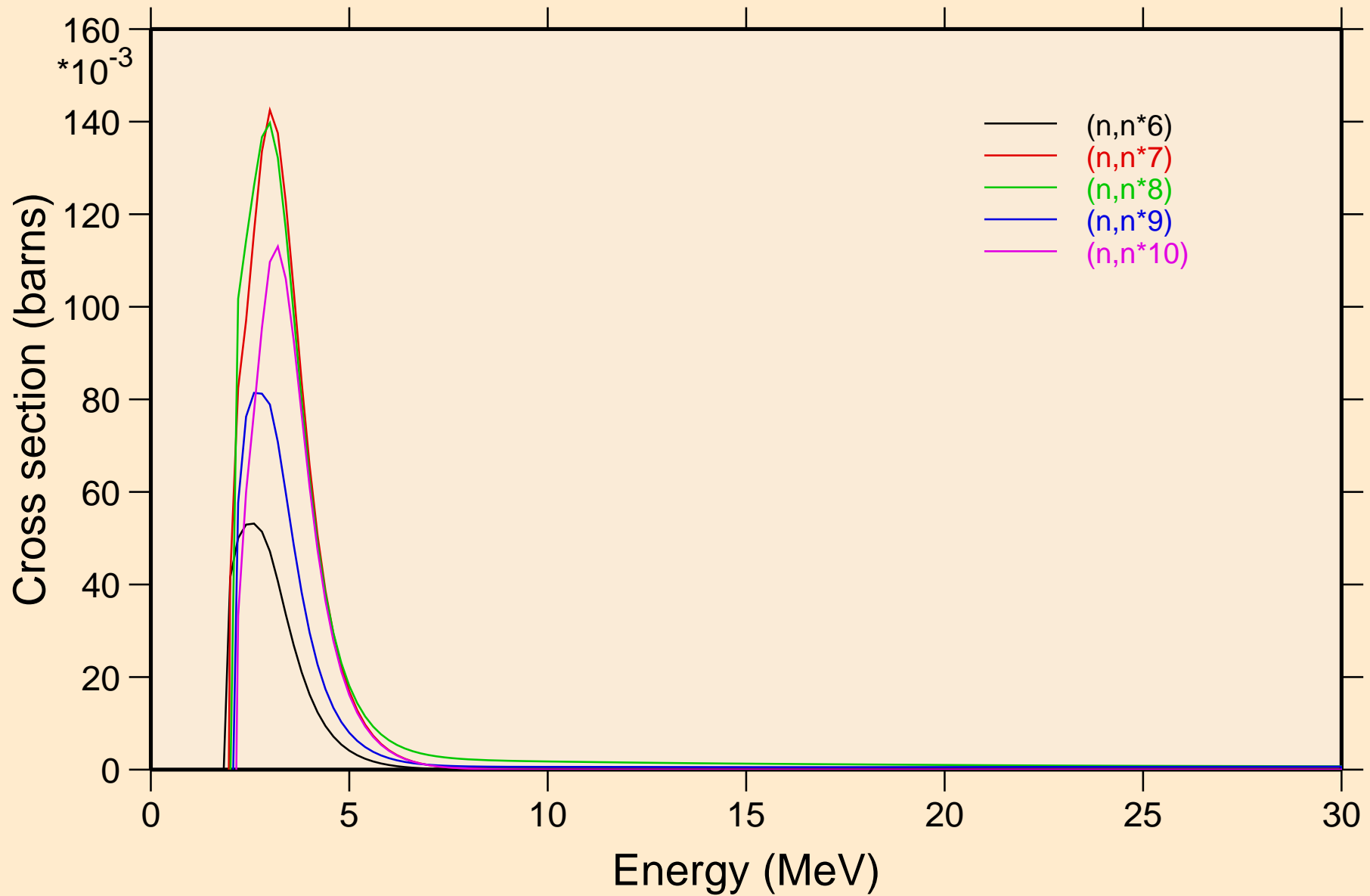
## Non-threshold reactions



BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

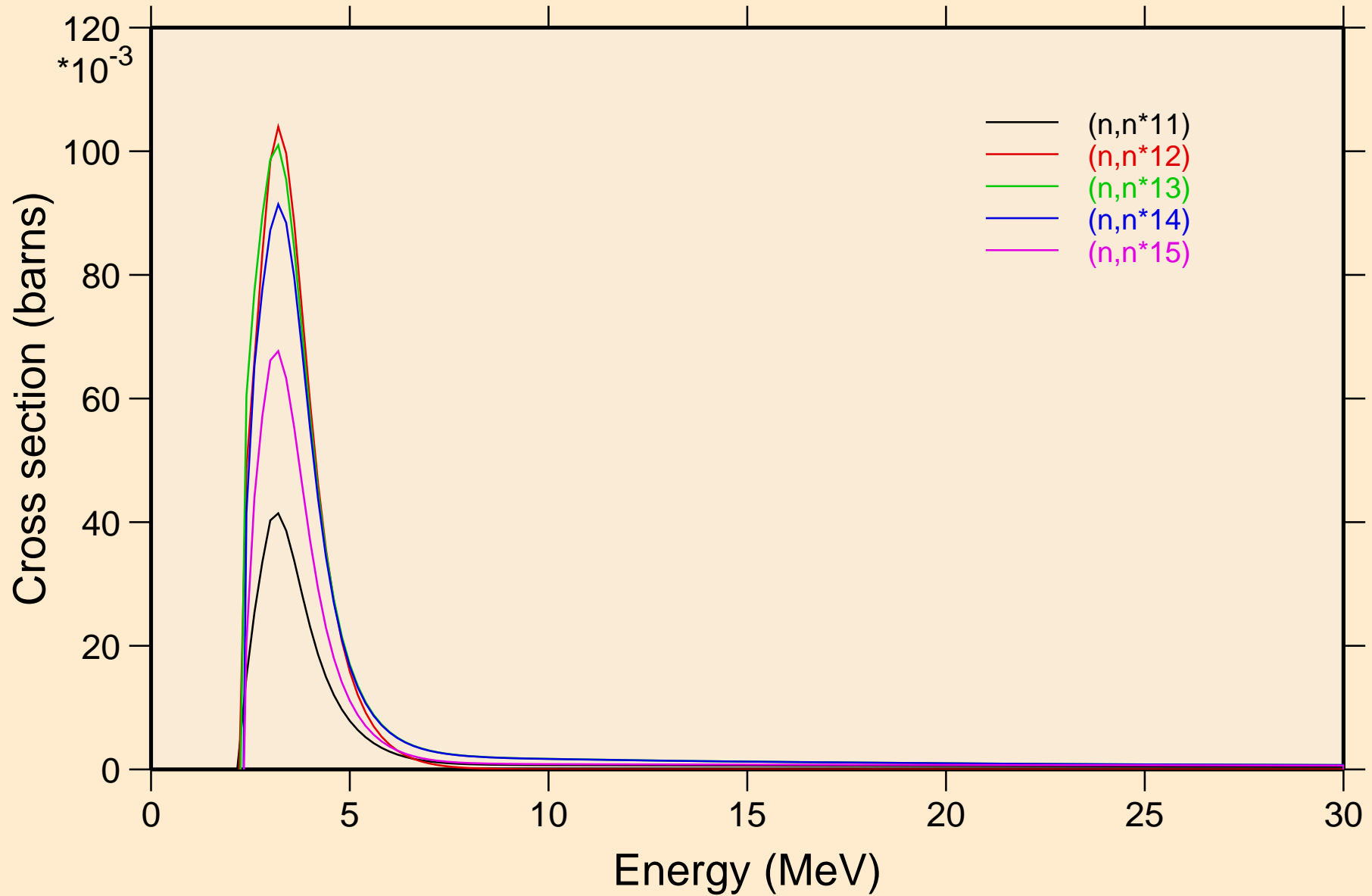


BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

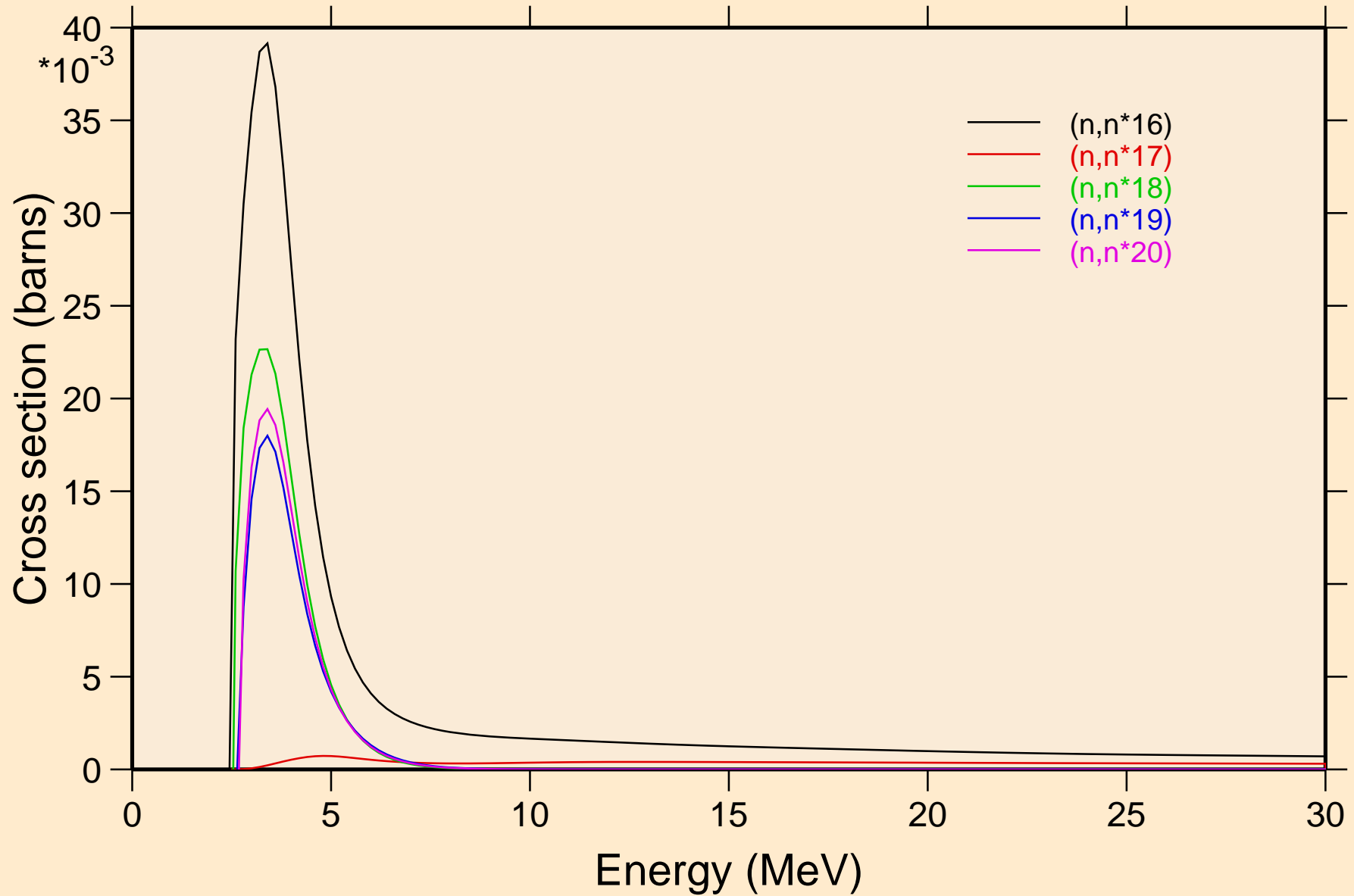




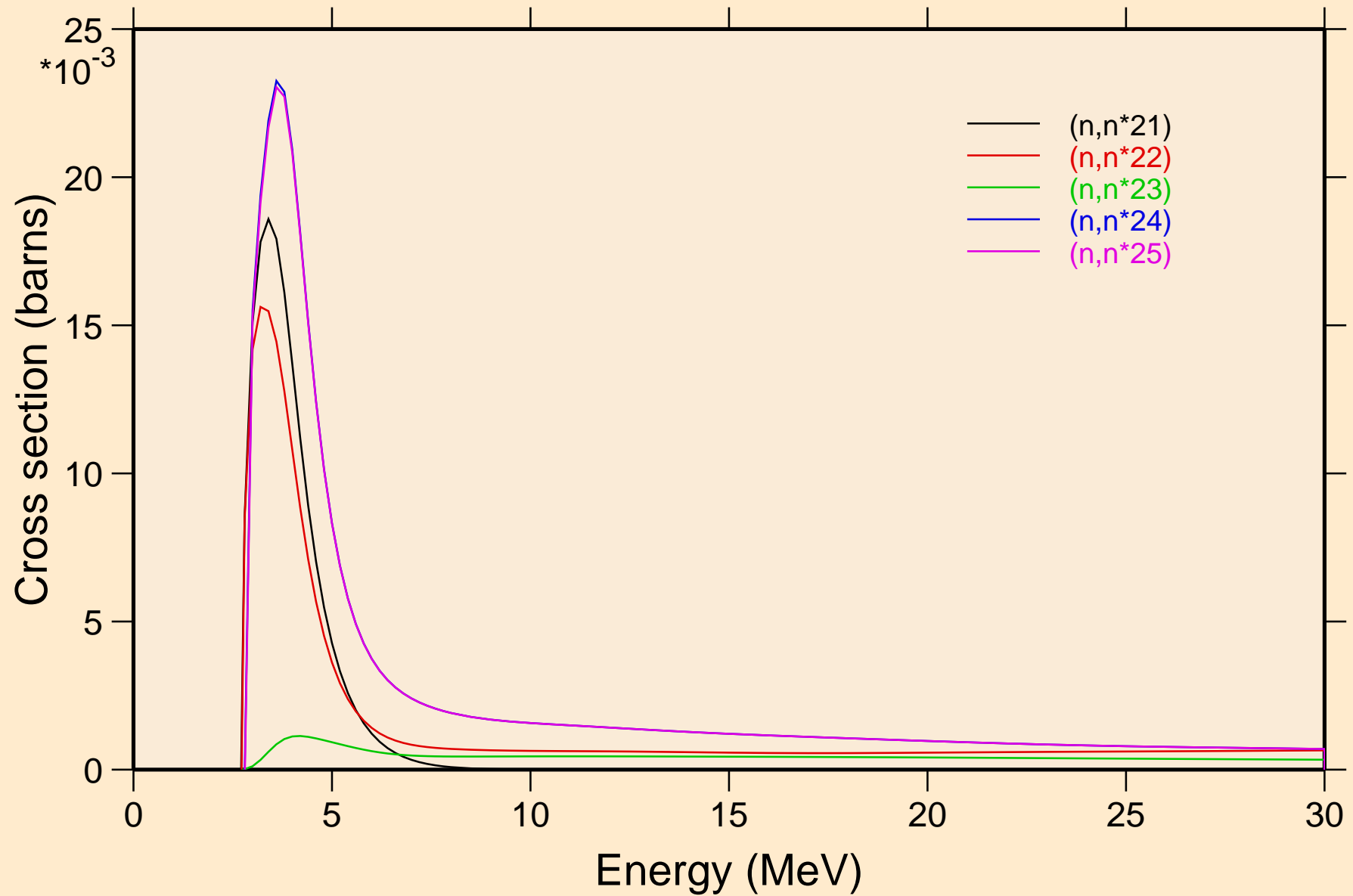
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



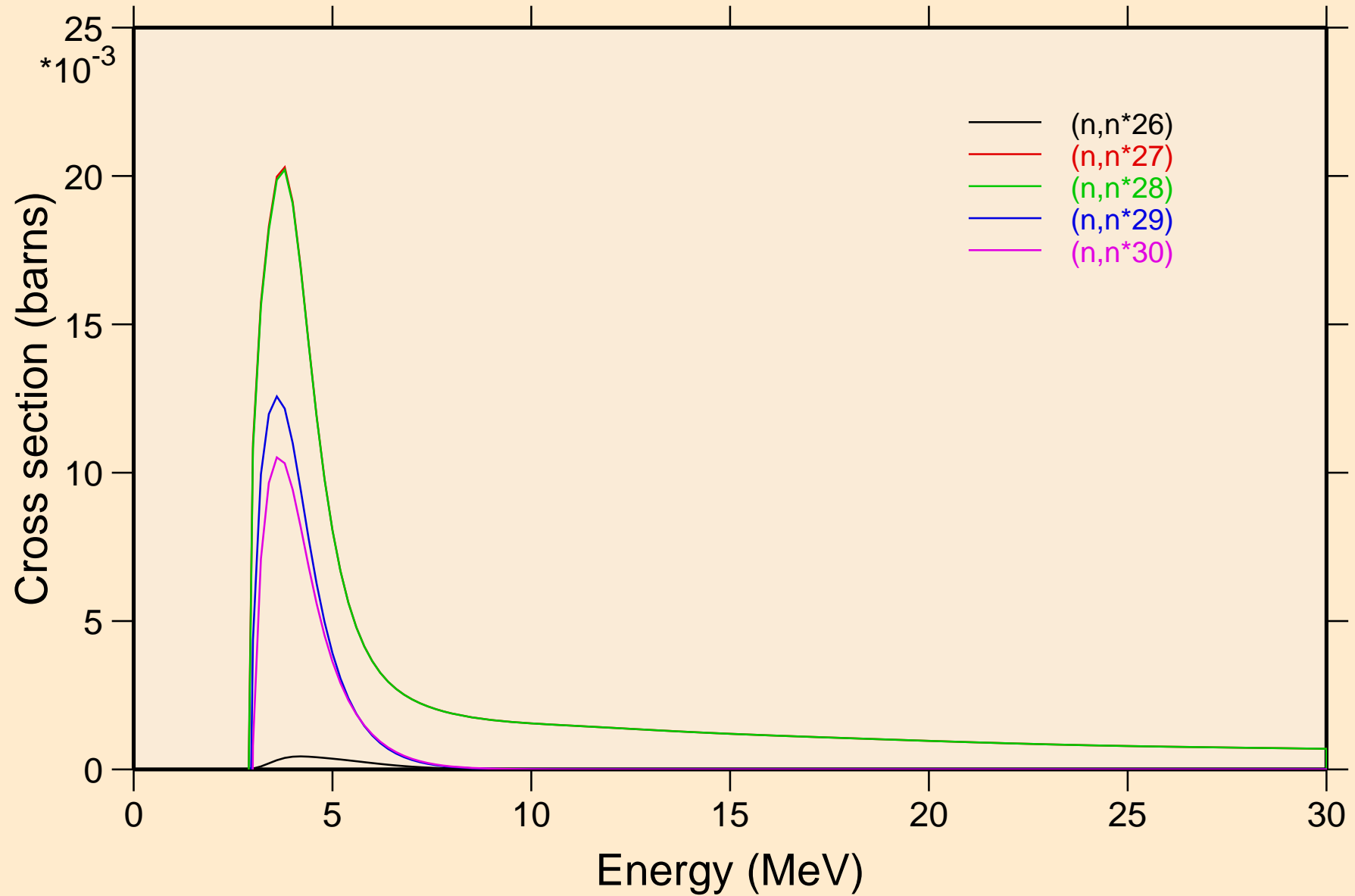
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



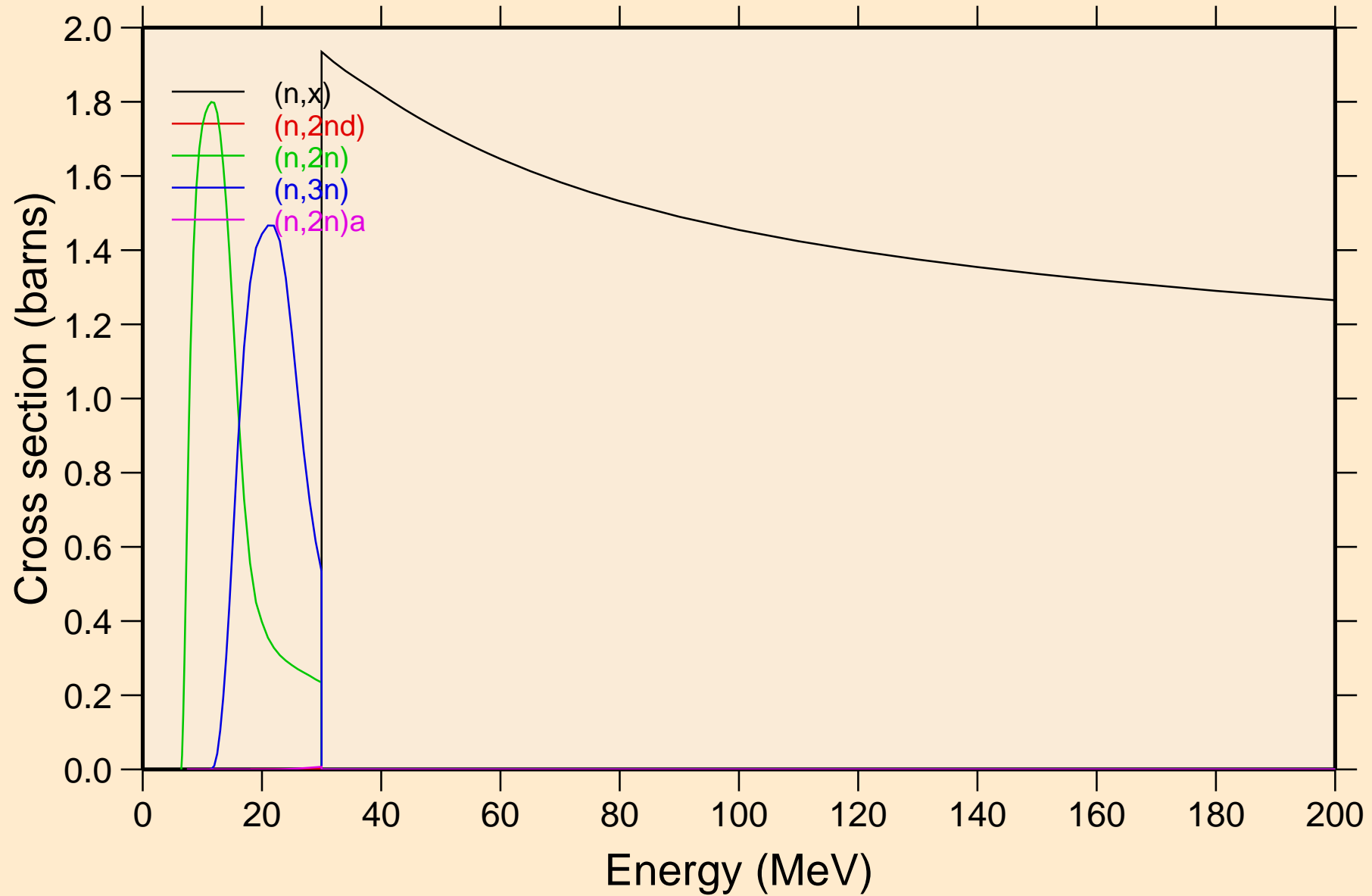
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



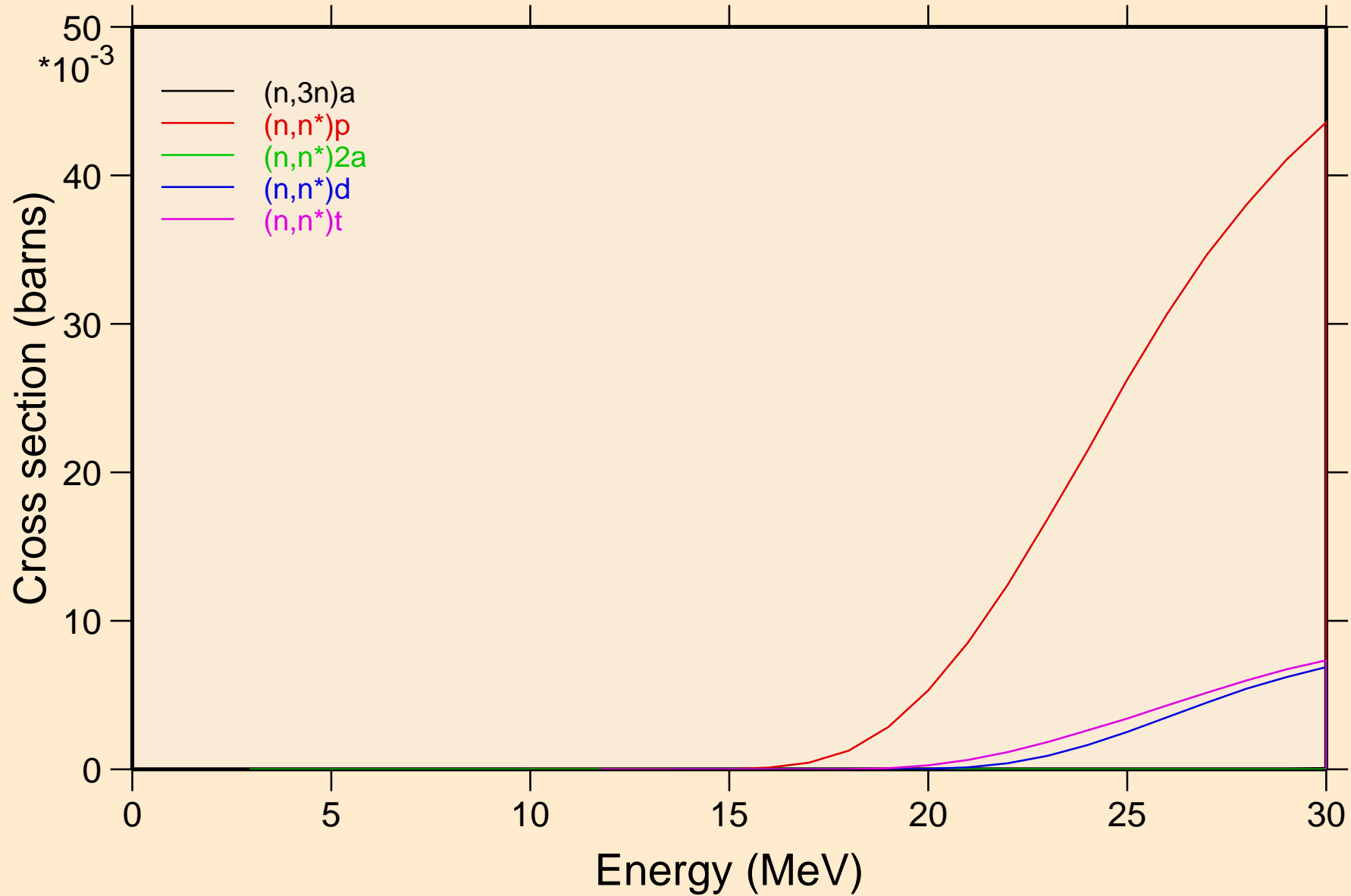
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



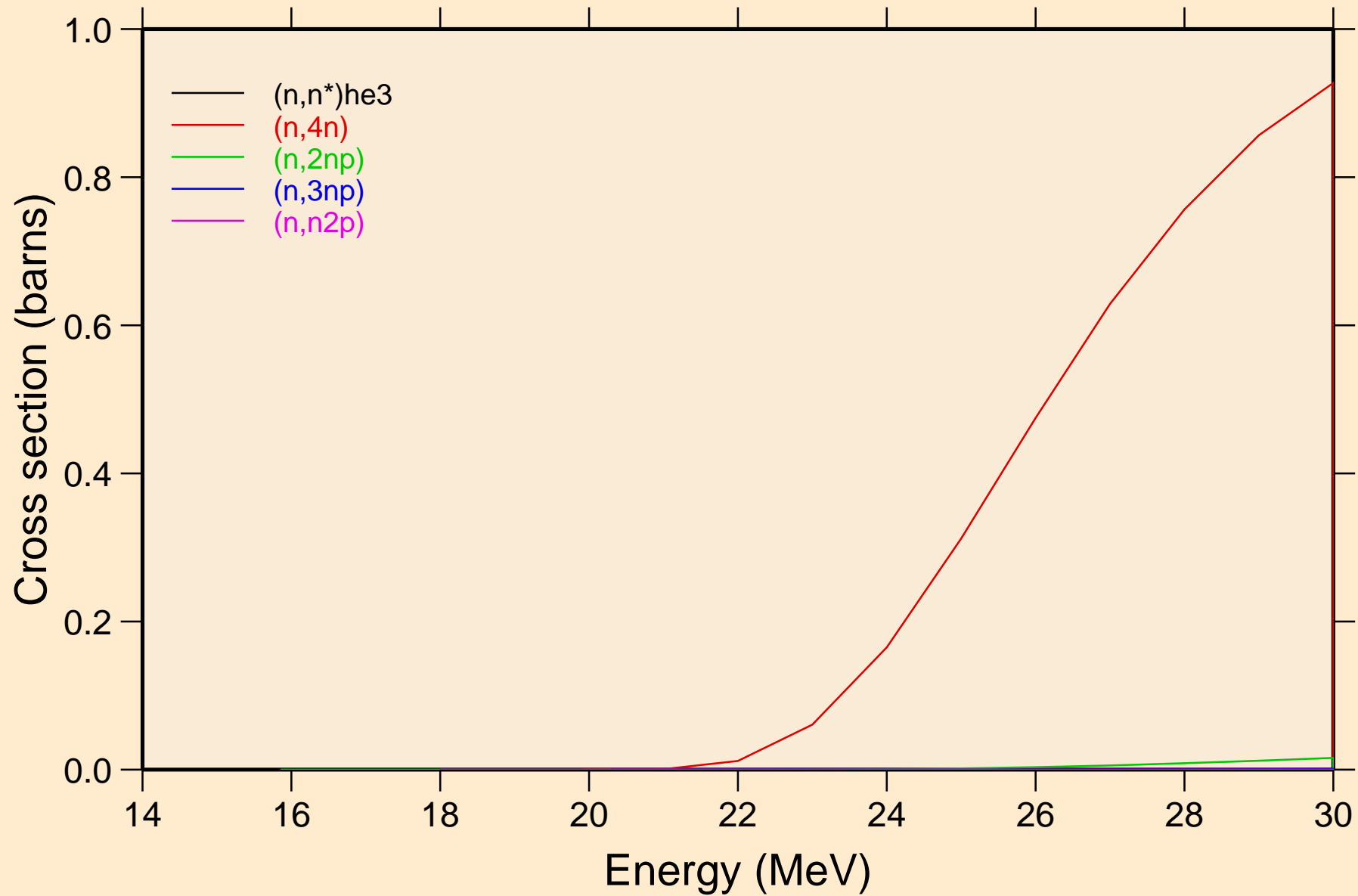
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



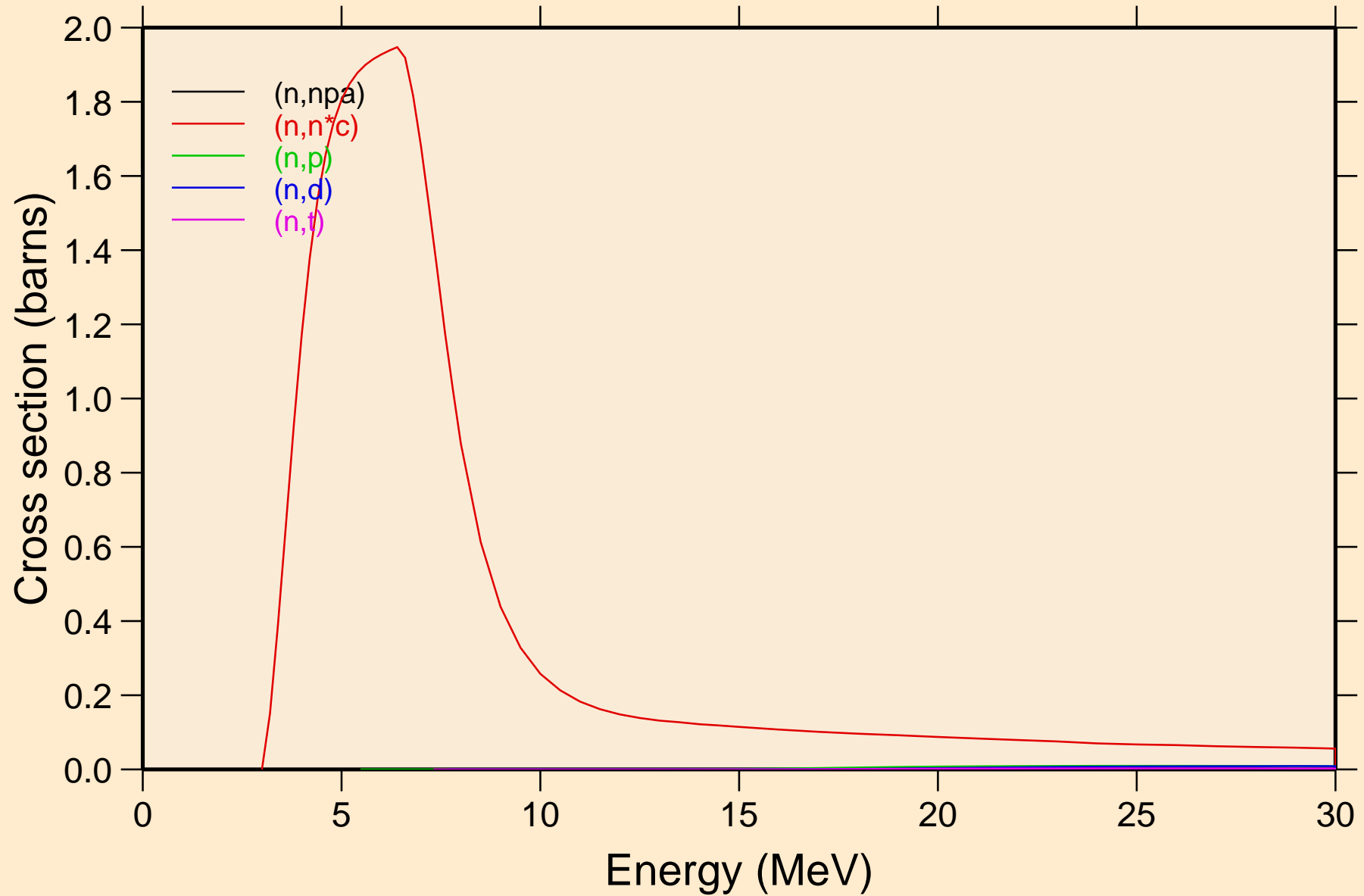
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

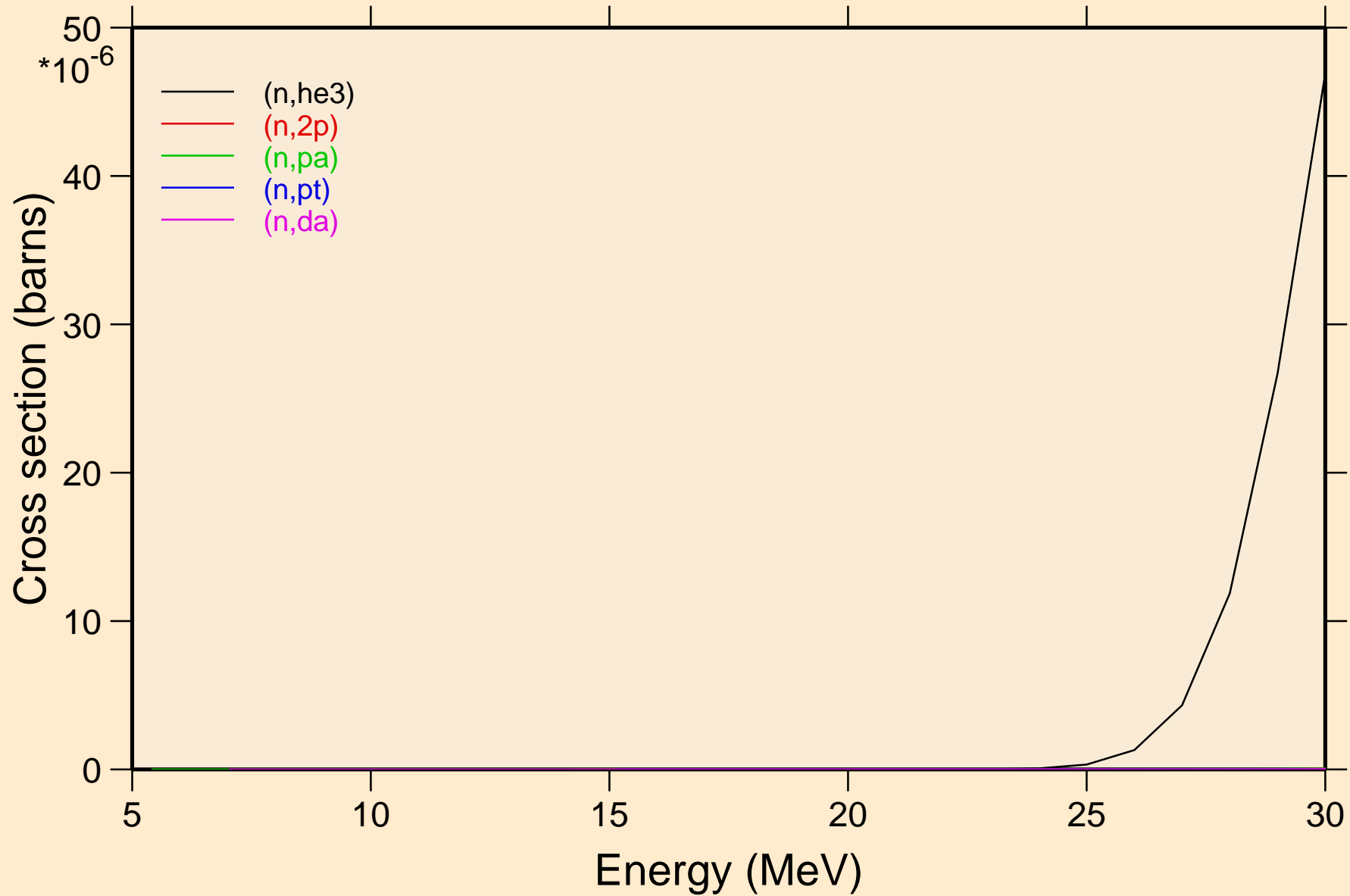


BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



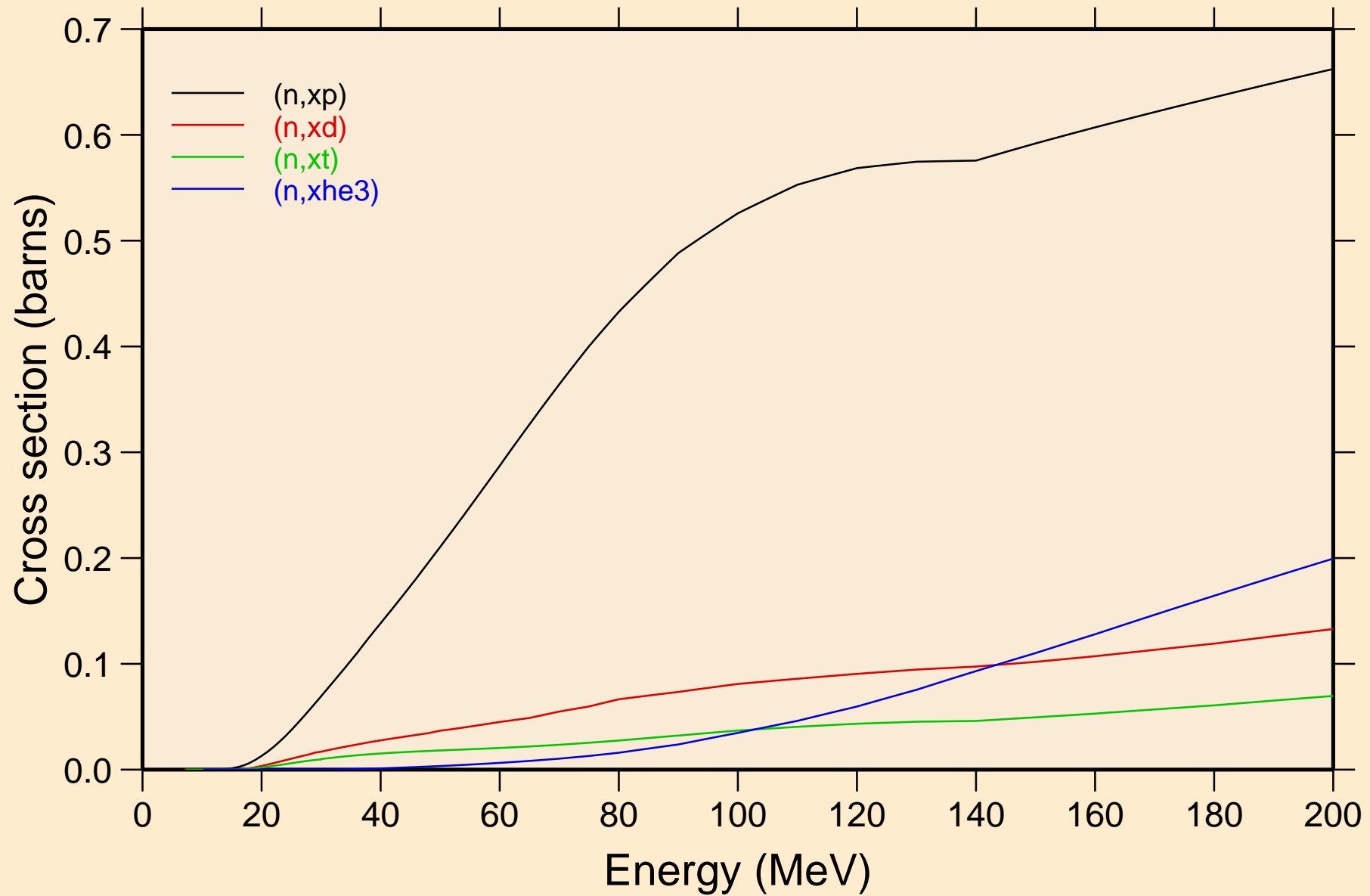


BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

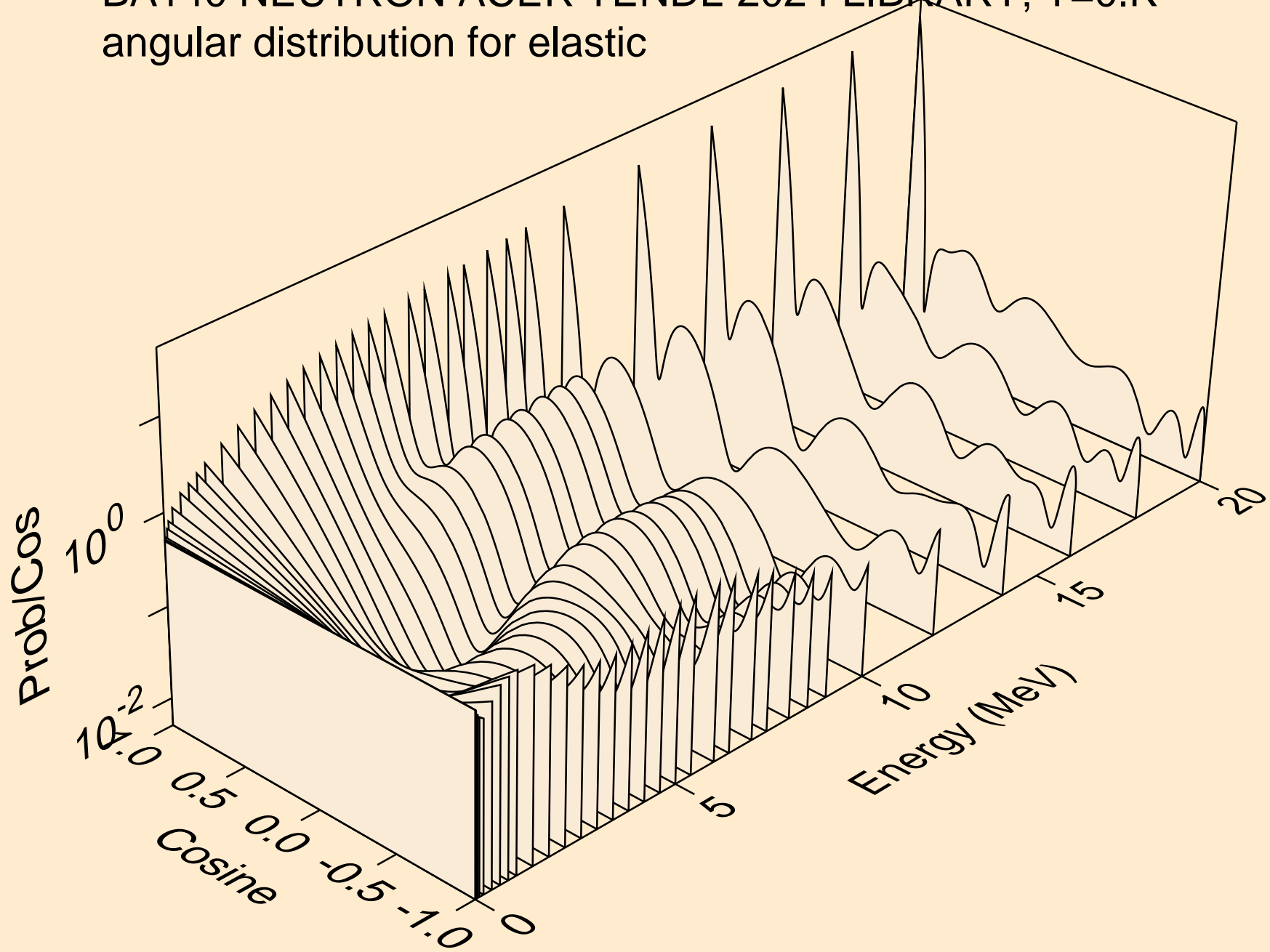


# BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

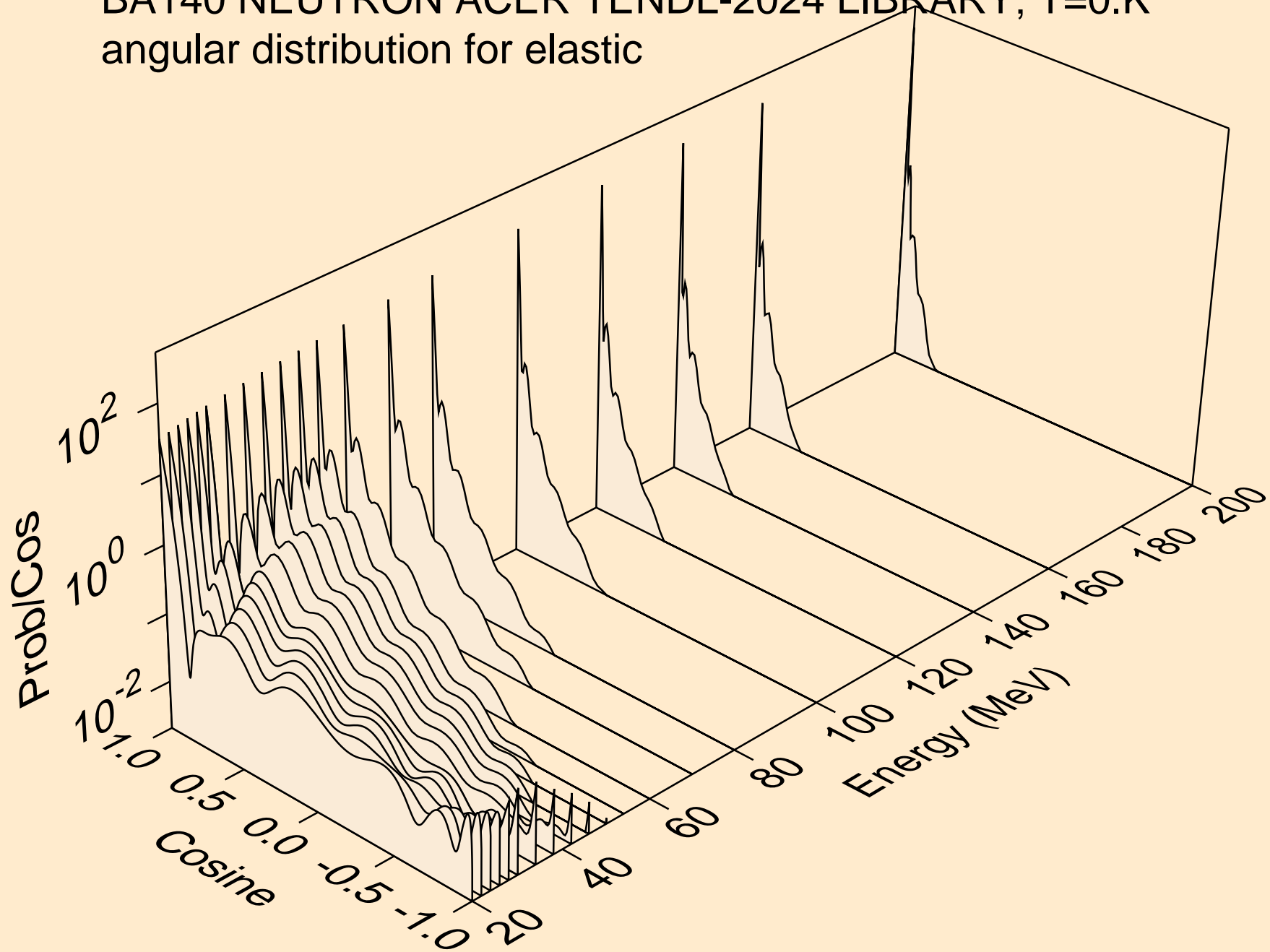
## Threshold reactions



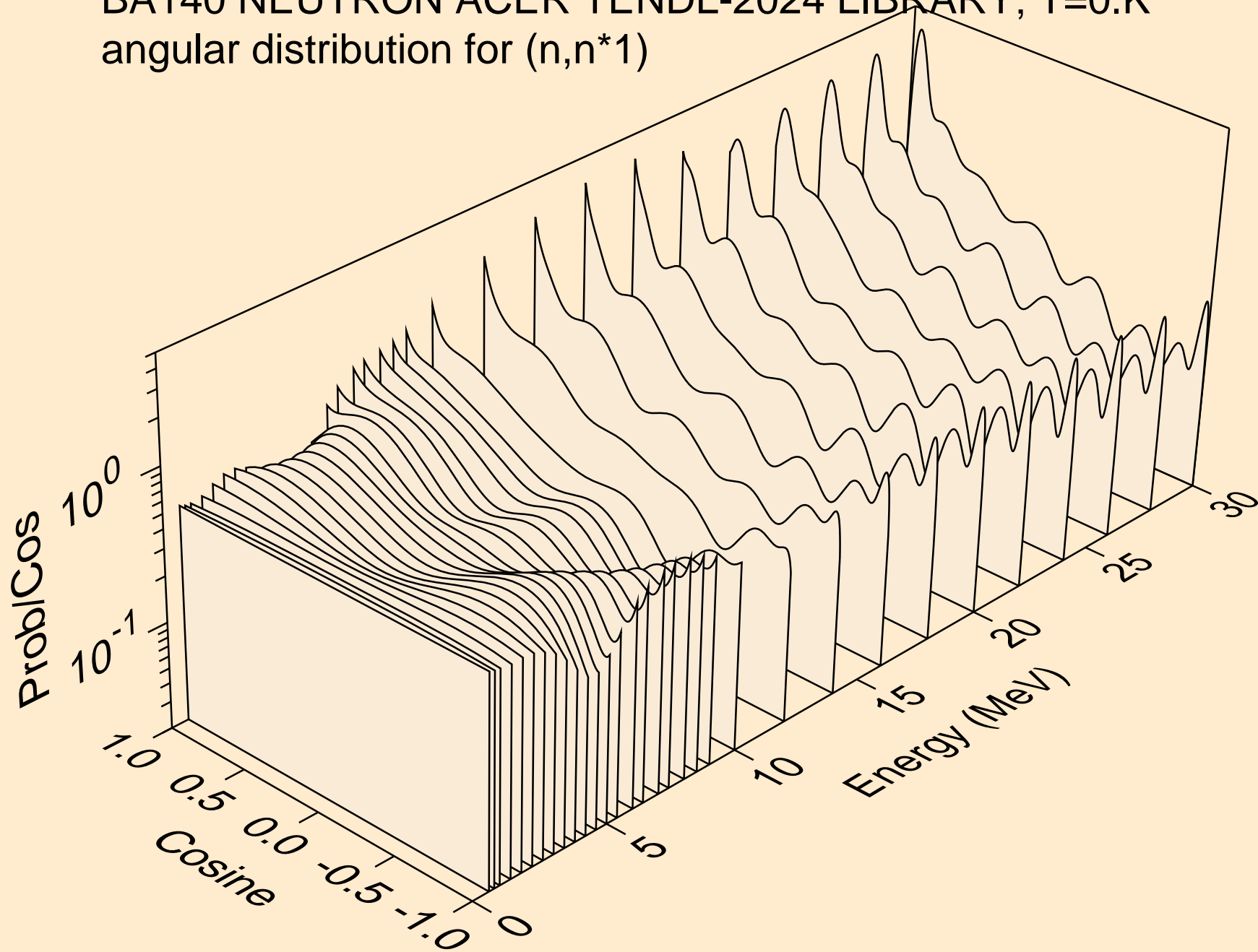
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



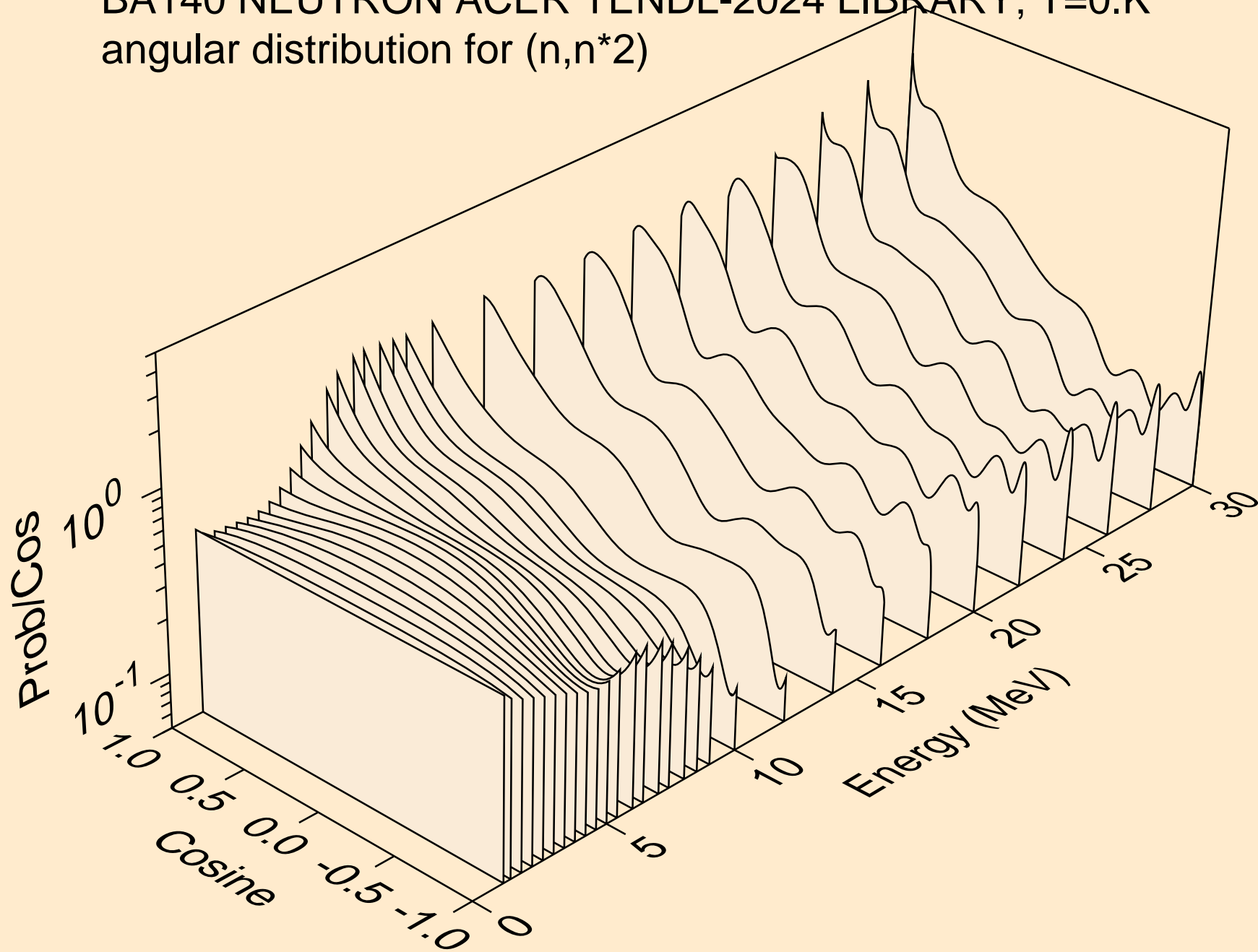
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



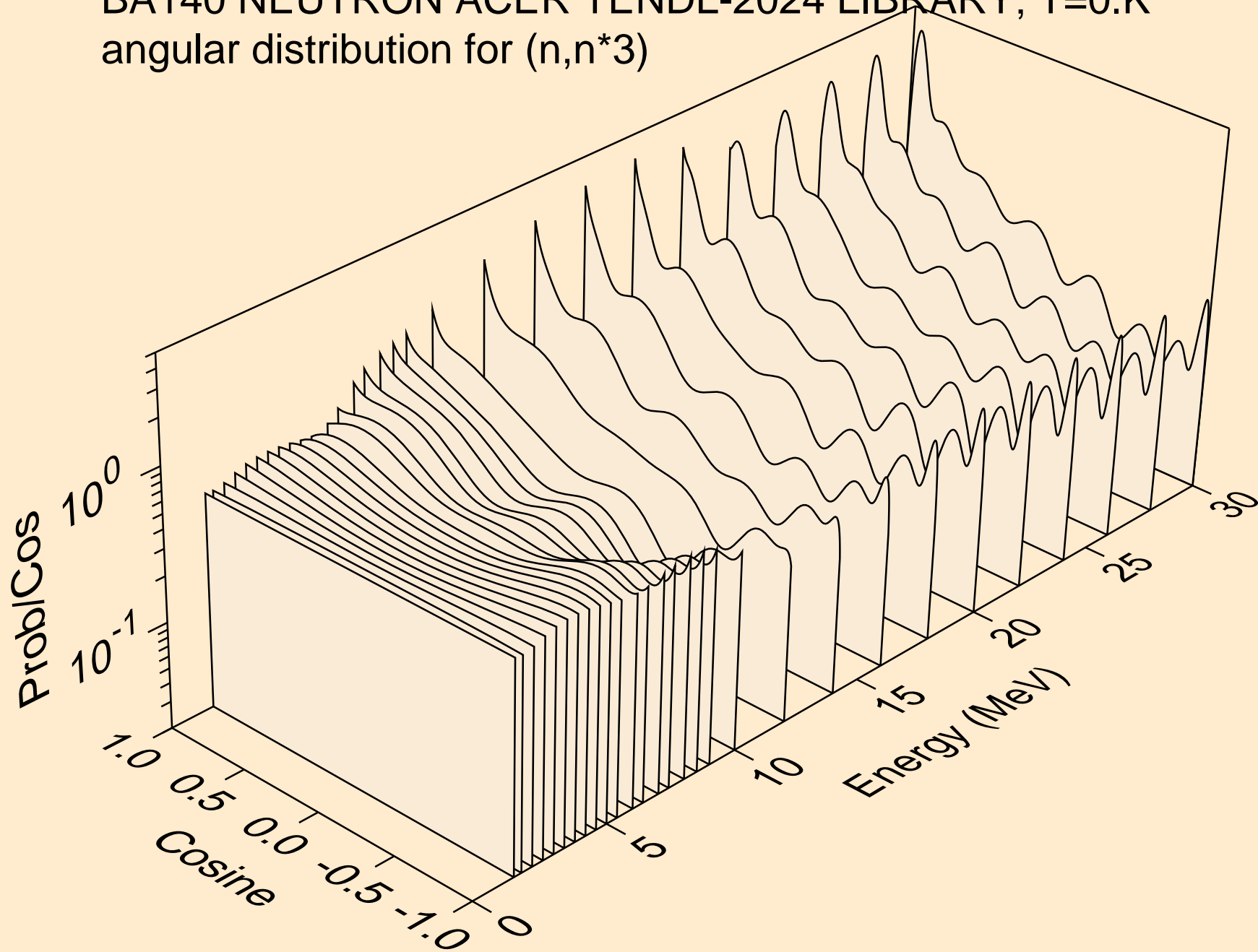
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



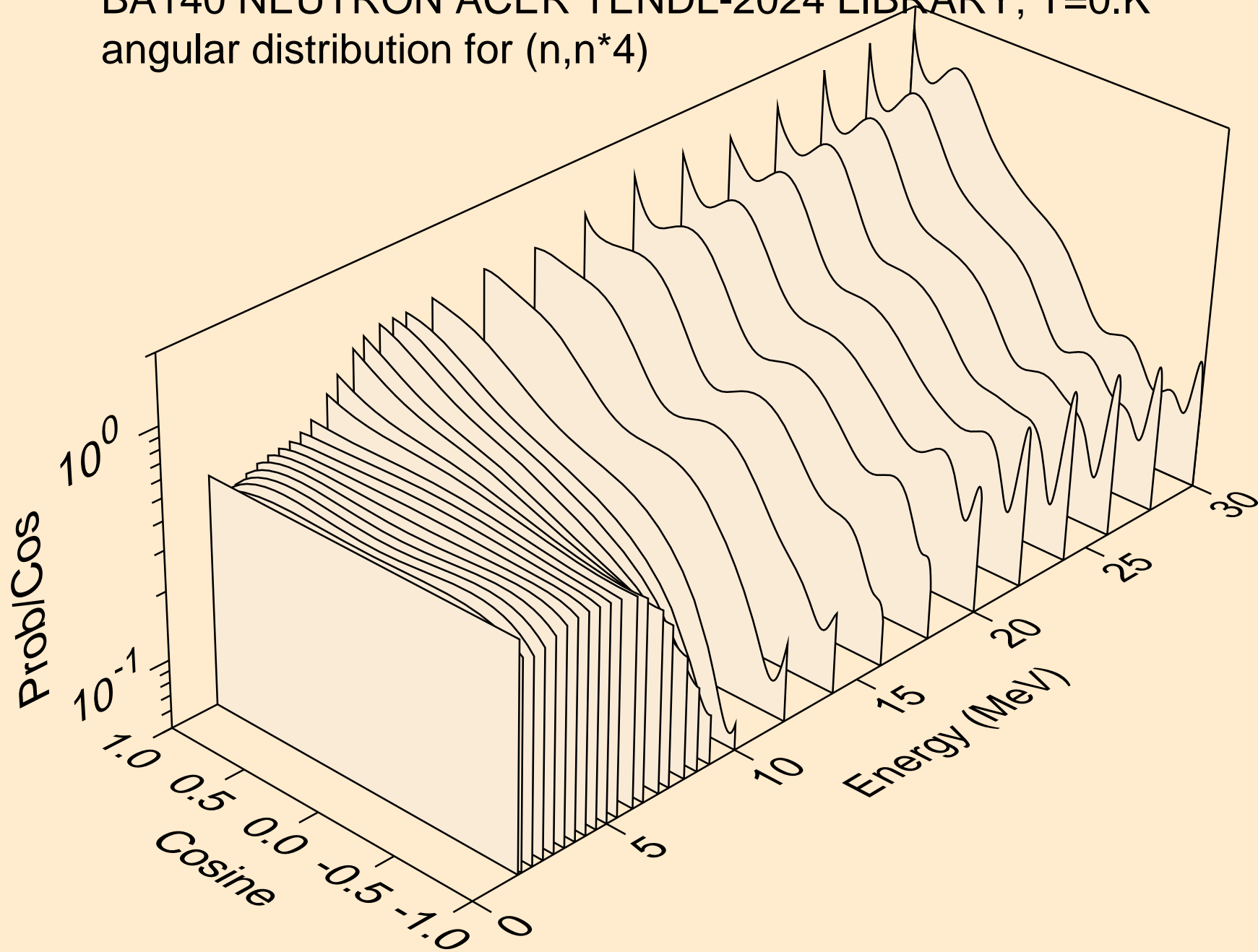
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)

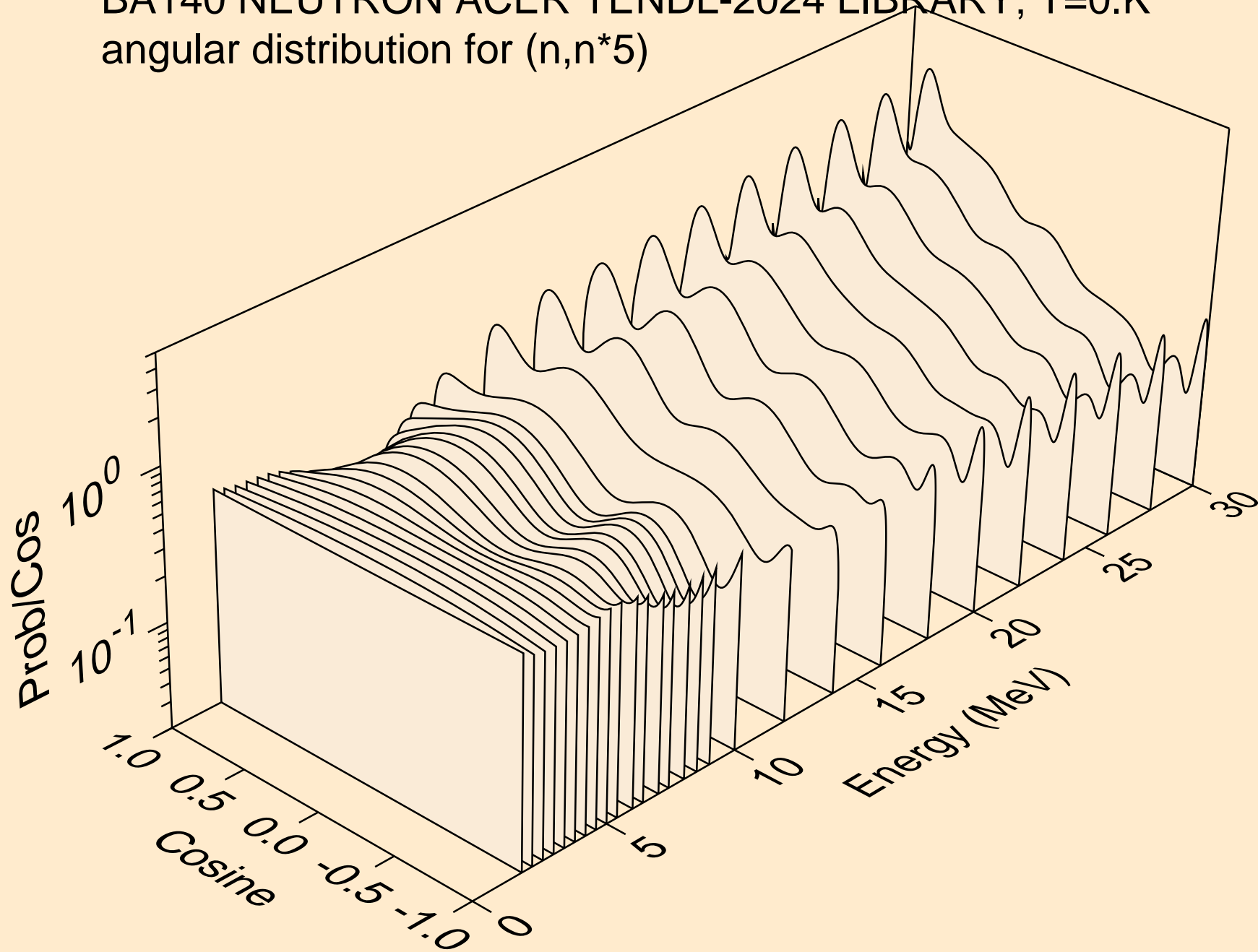


BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)

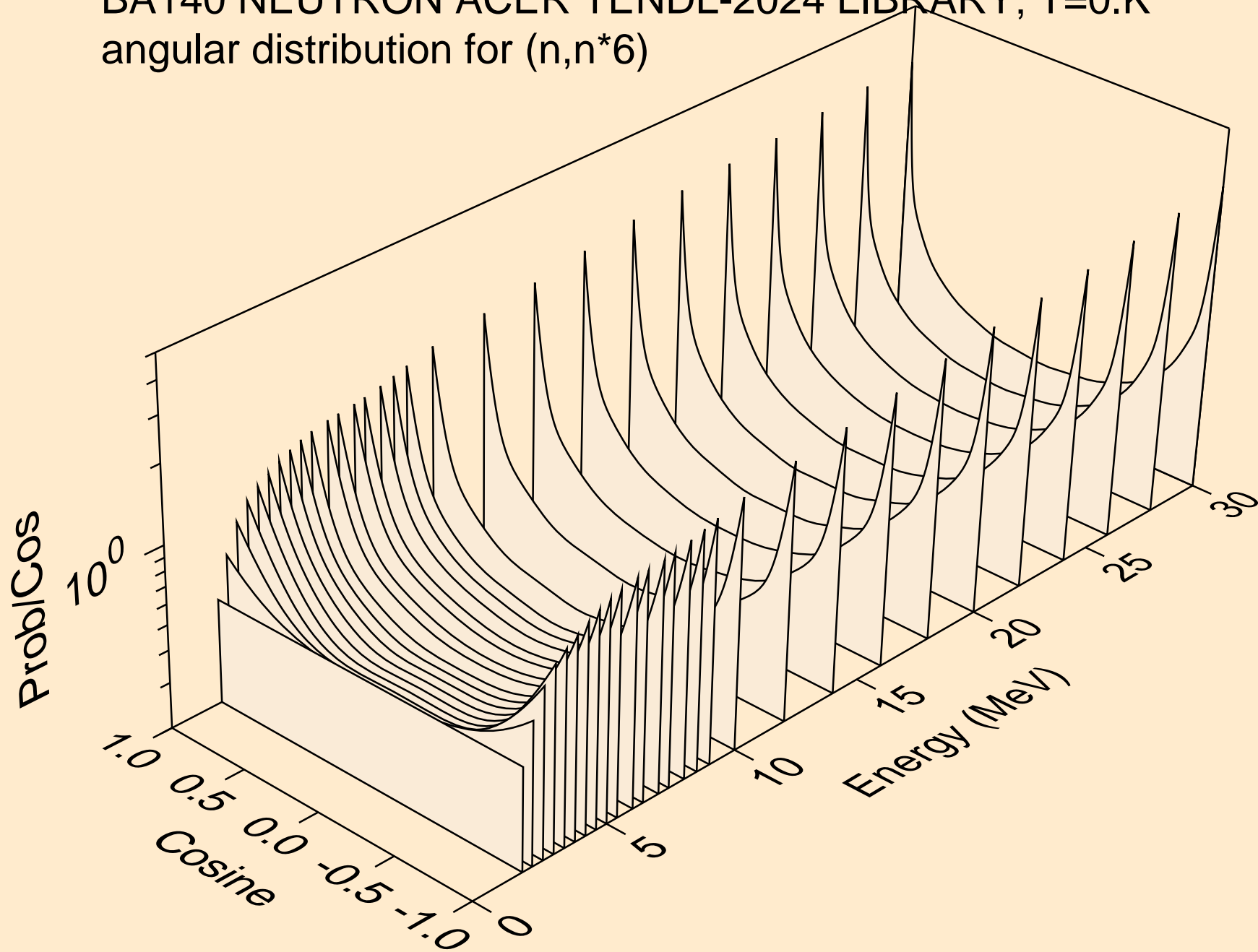




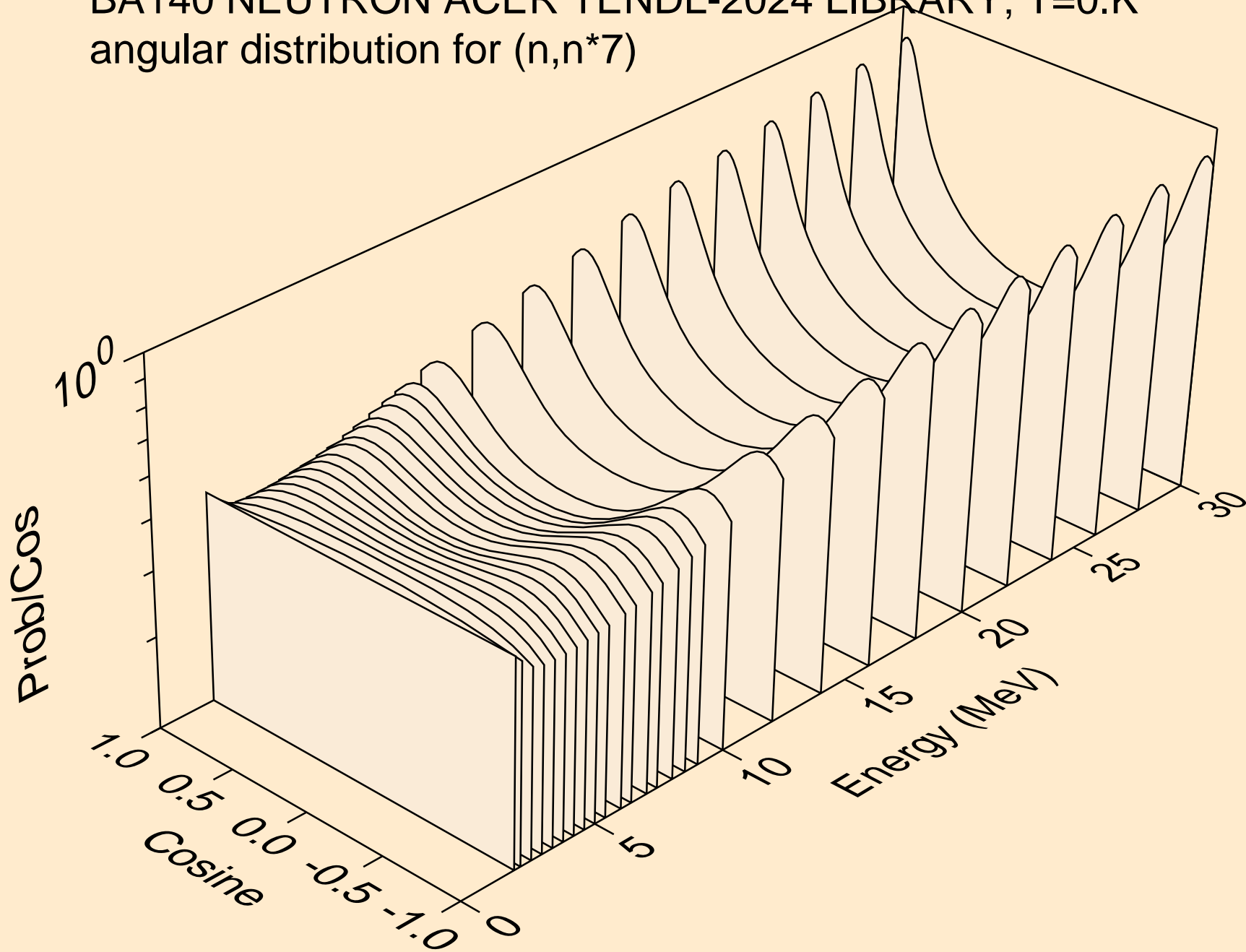
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



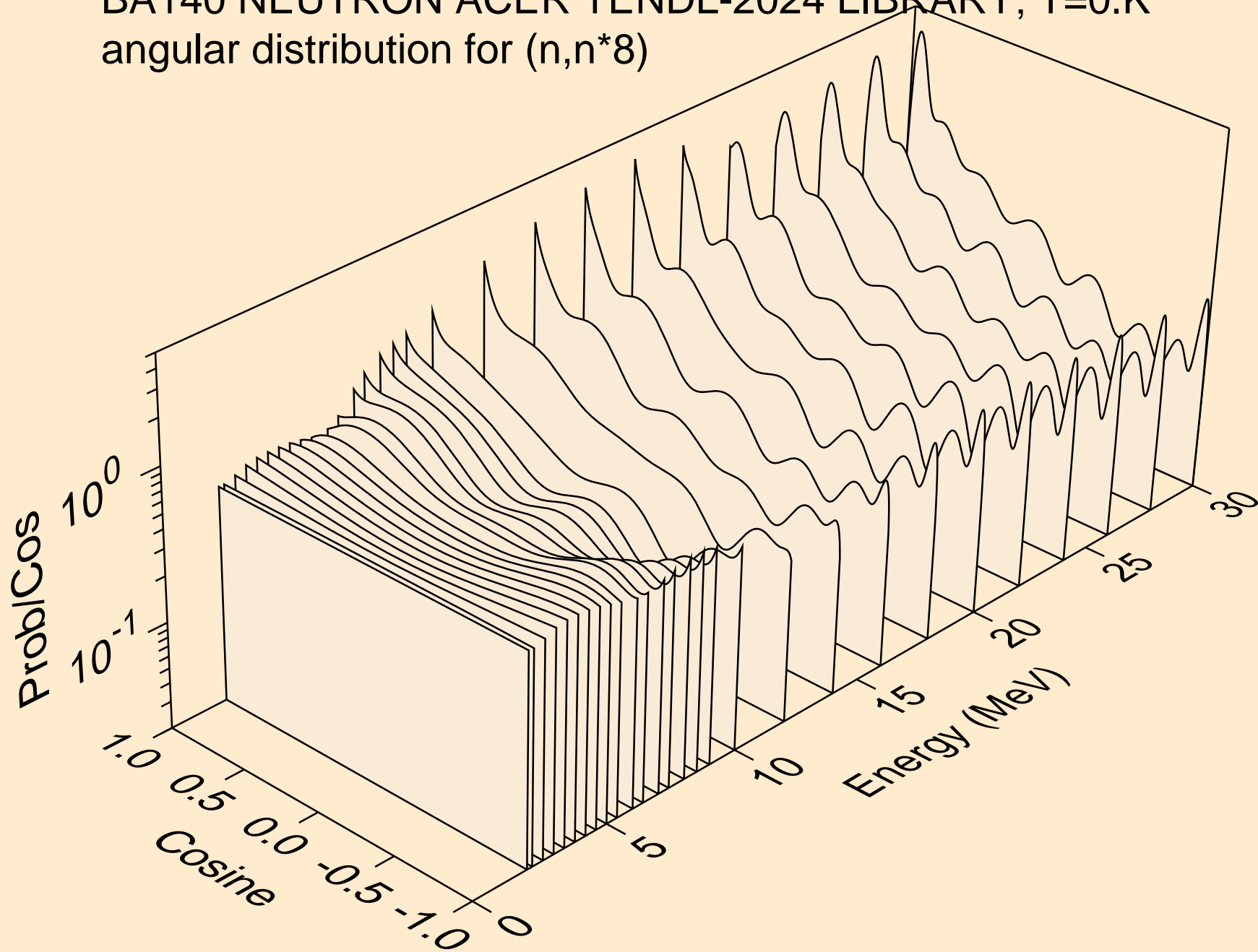
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



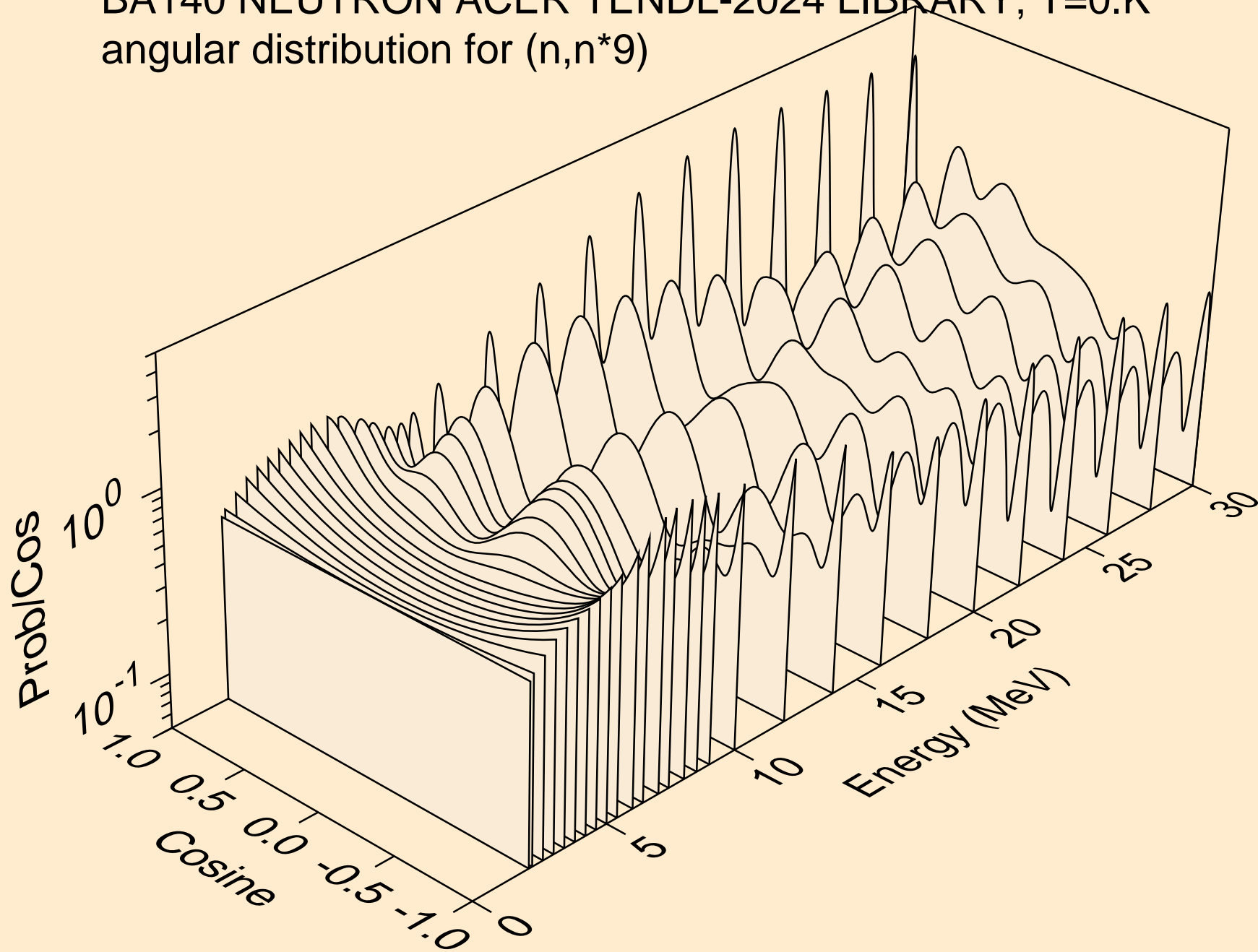
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



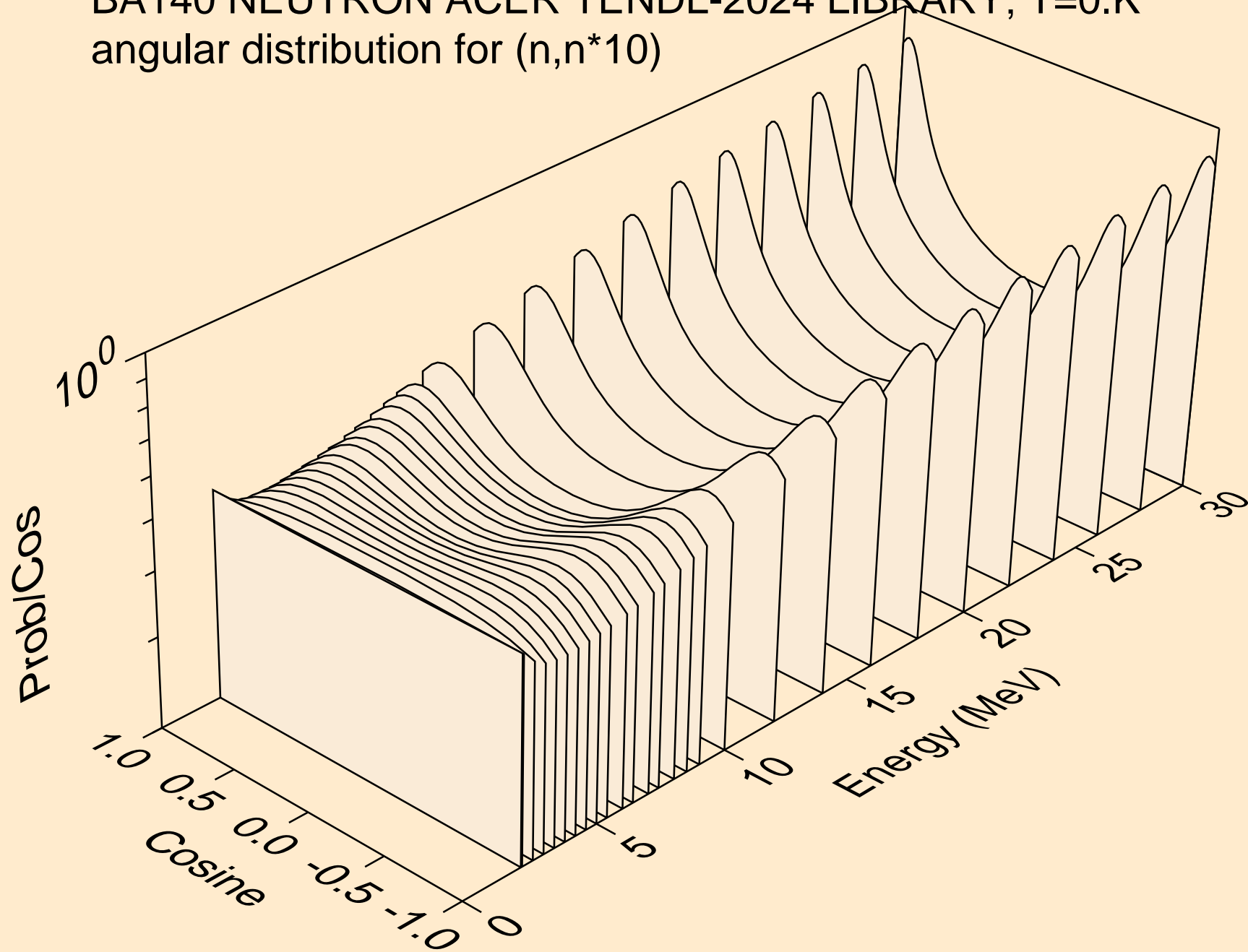
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angular distribution for (n,n\*8)



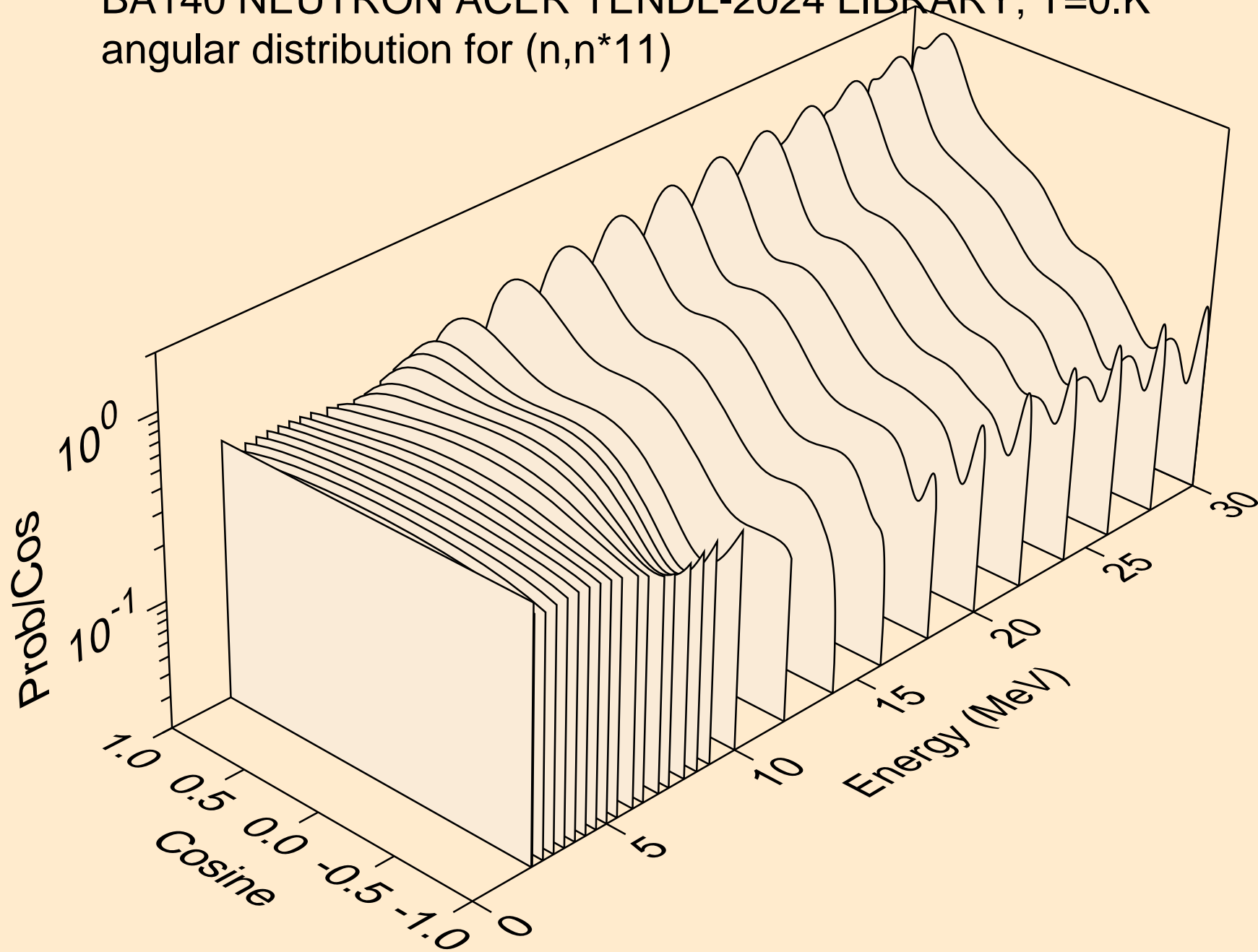
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



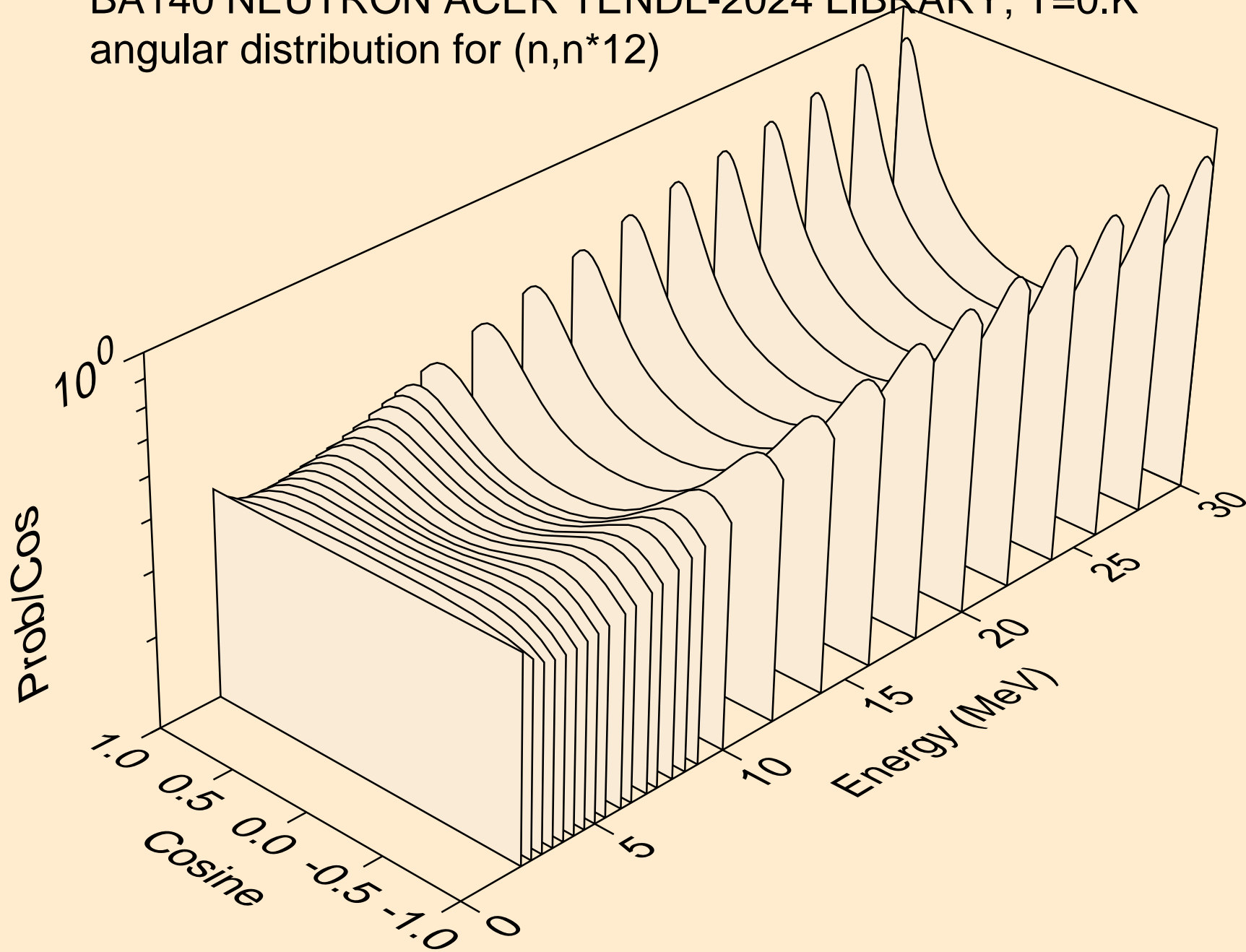
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)

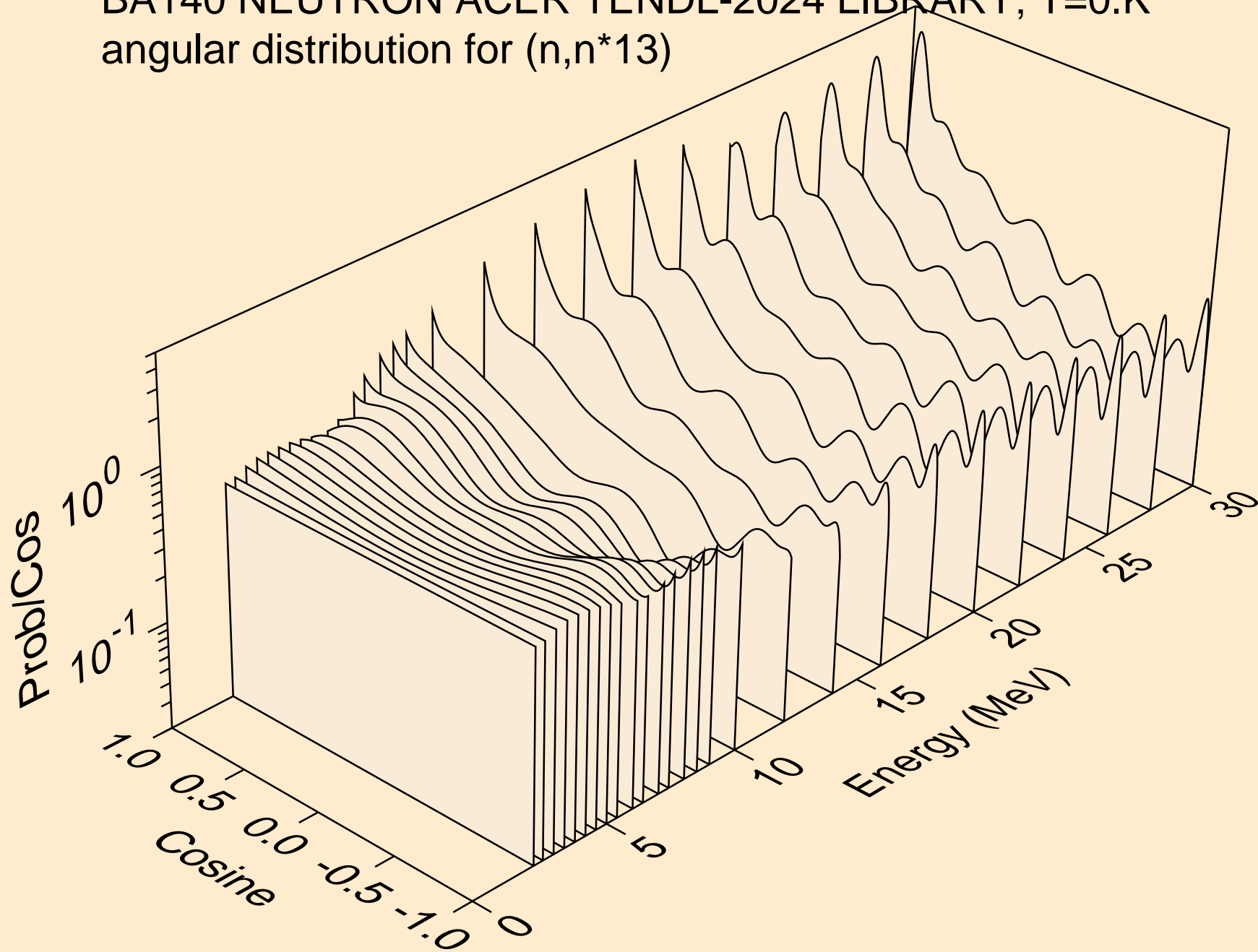


BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)

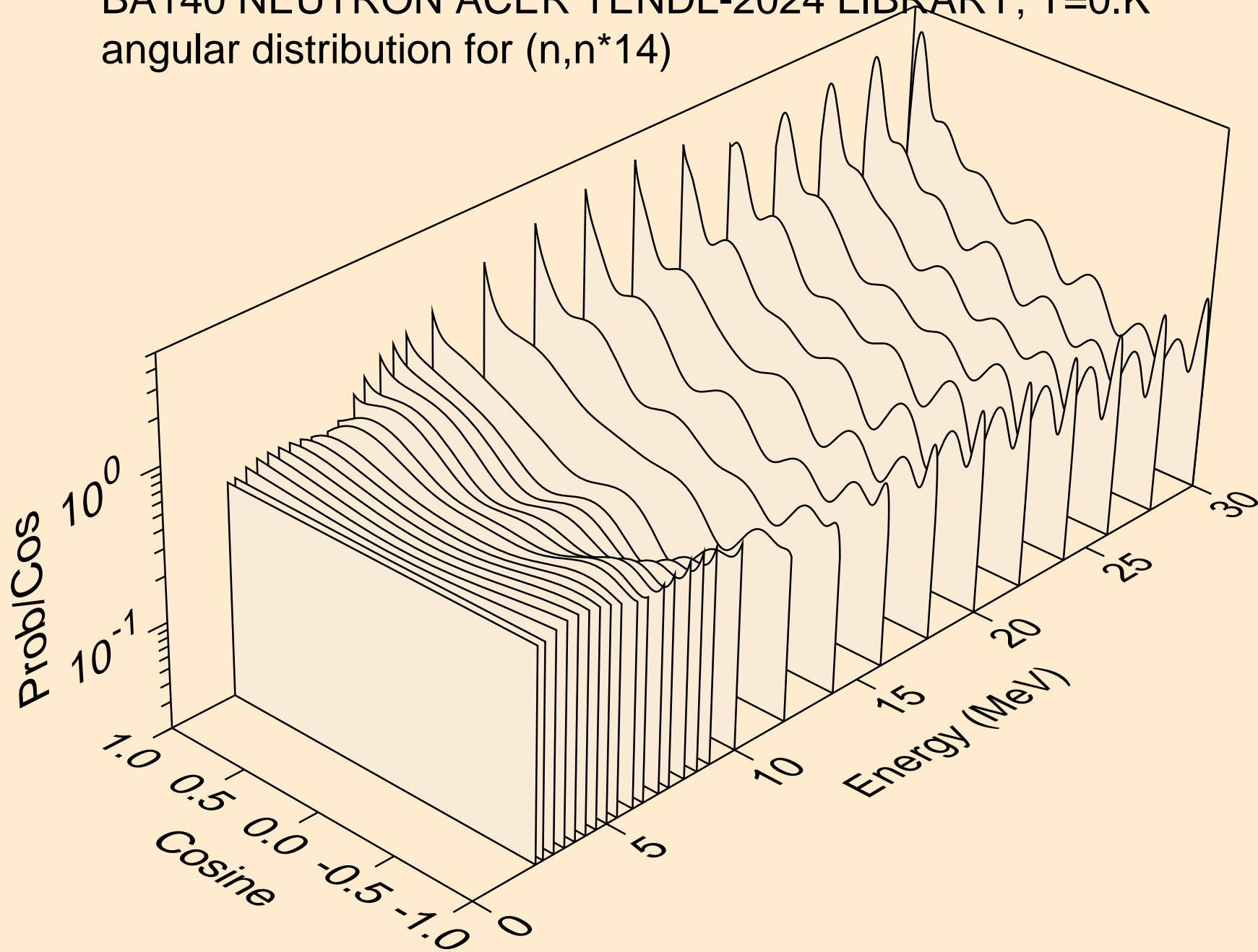




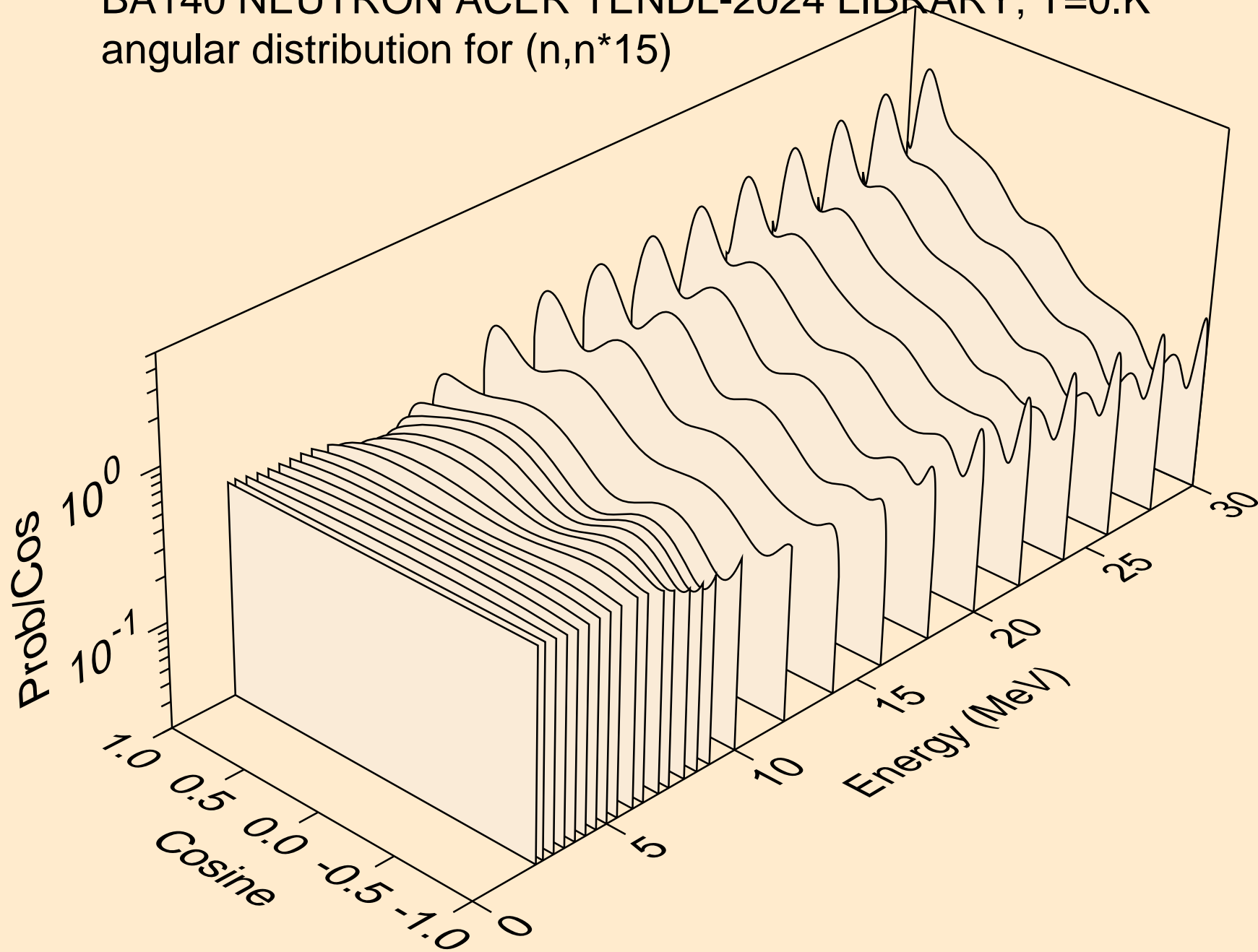
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



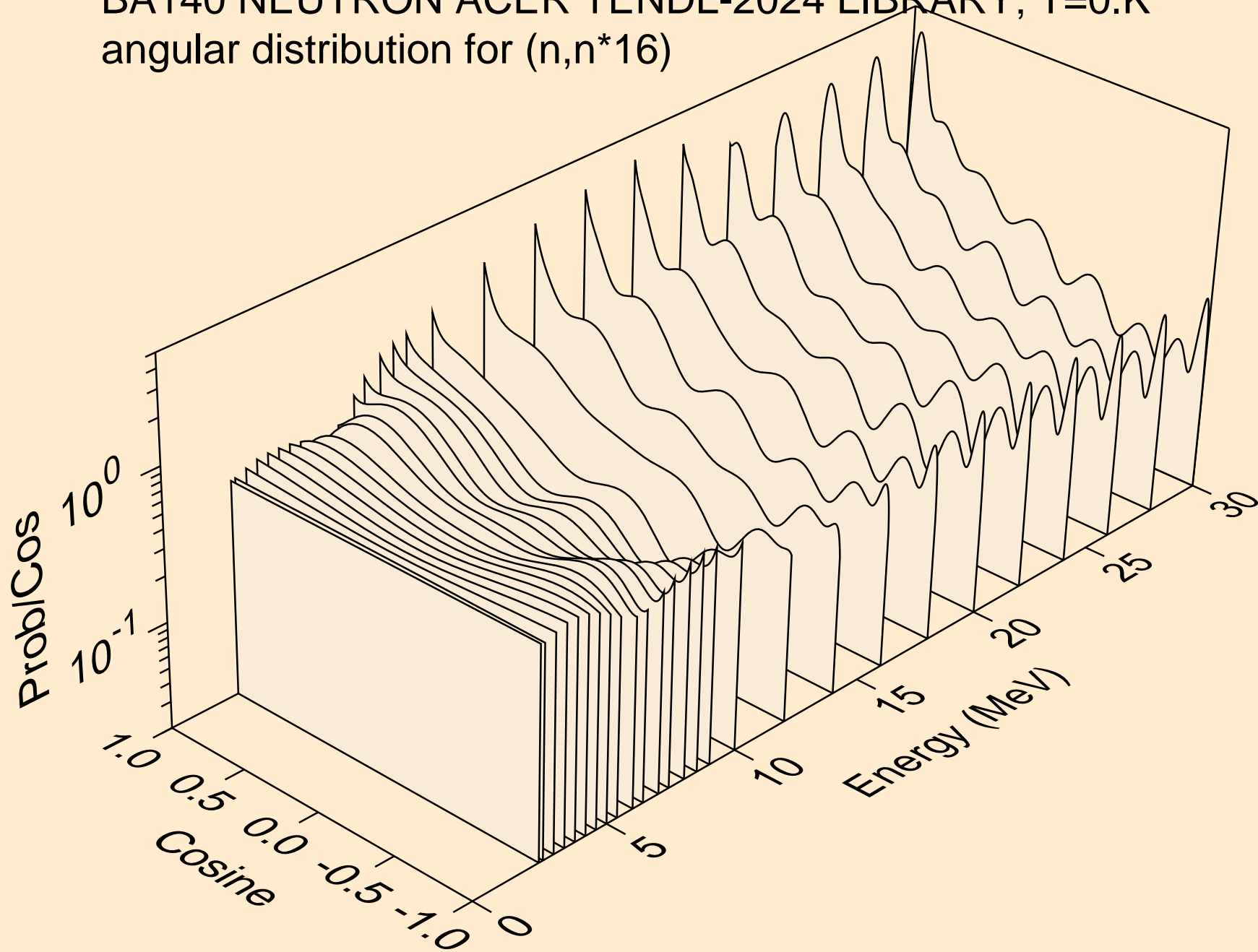
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



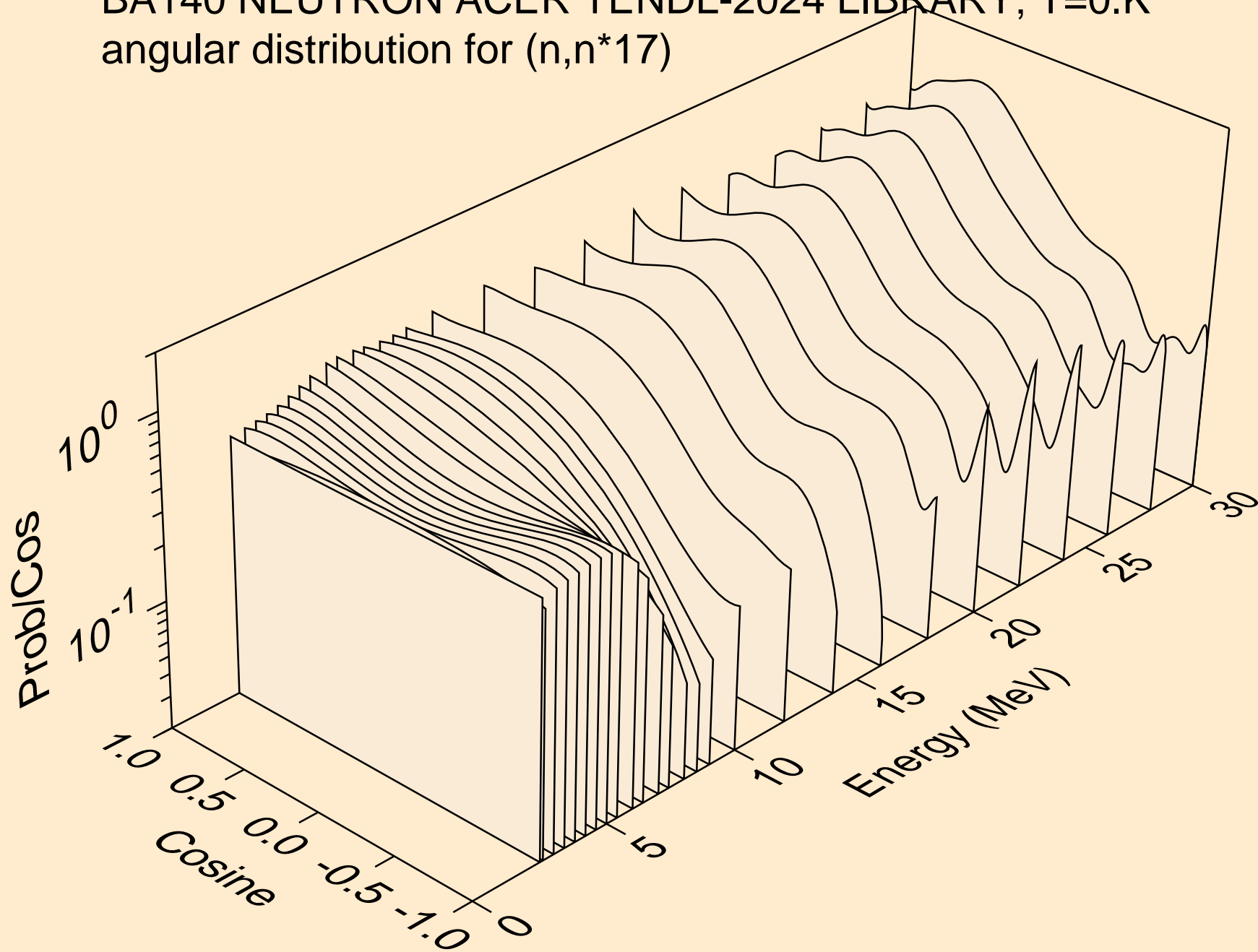
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angular distribution for (n,n\*15)



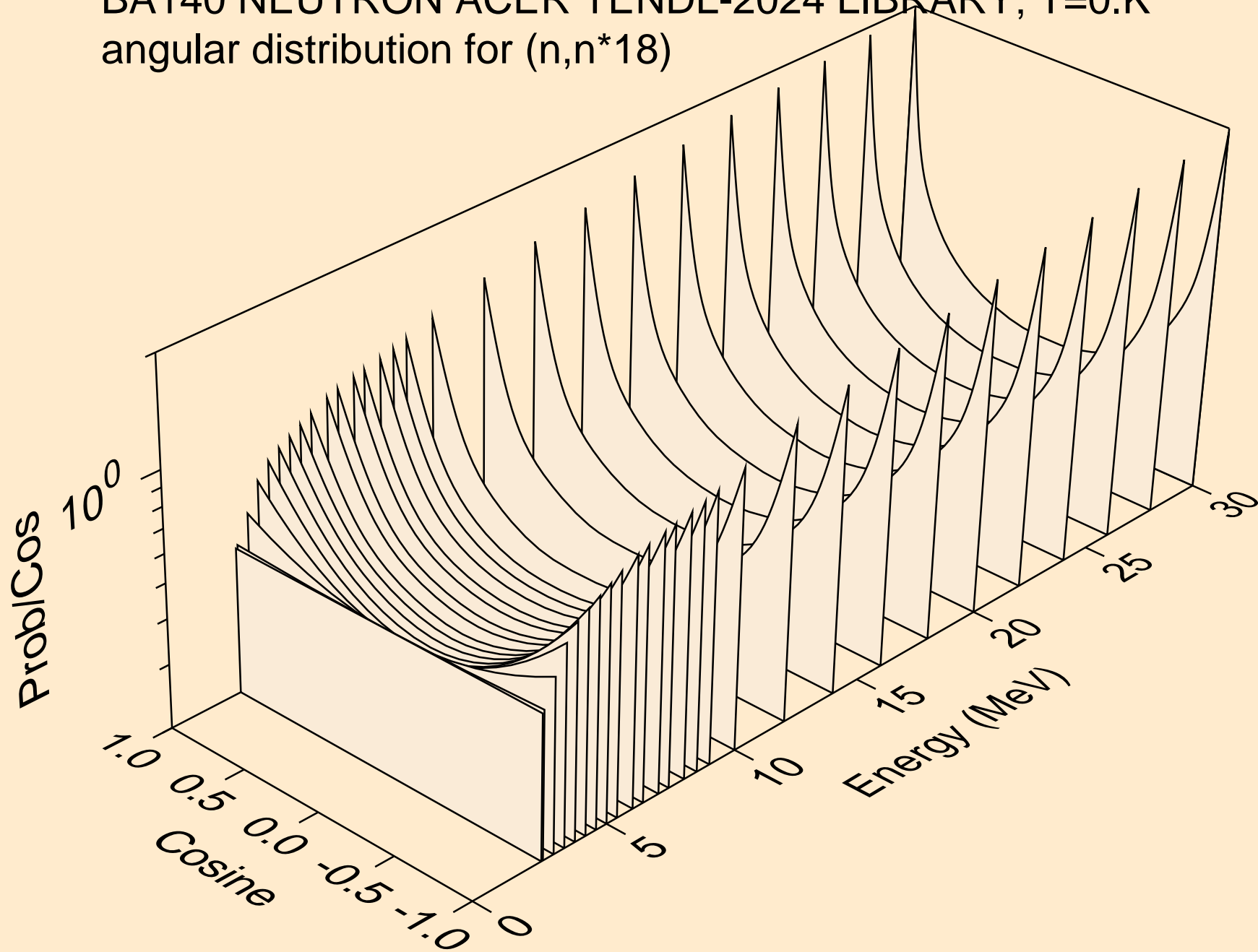
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



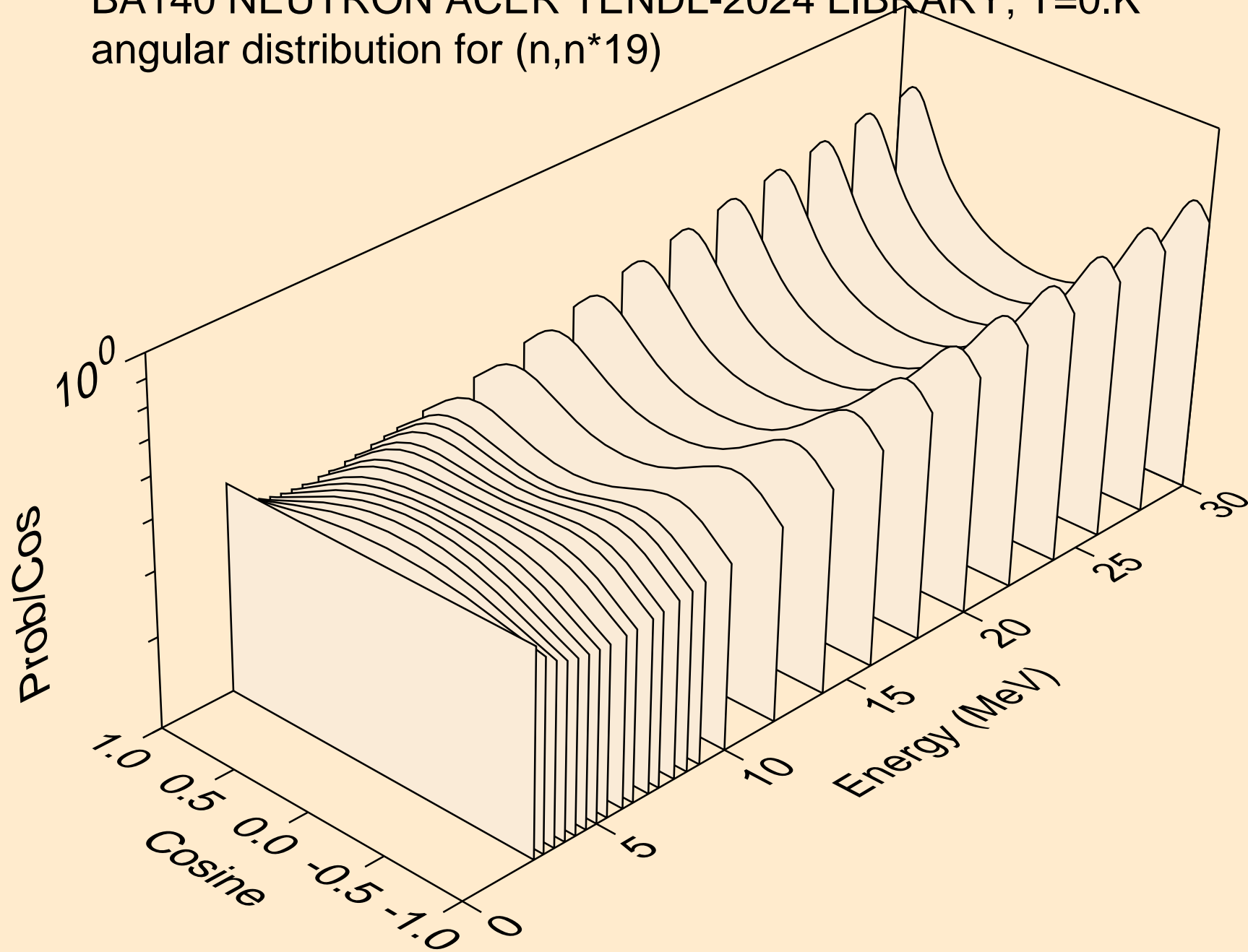
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angular distribution for (n,n\*17)



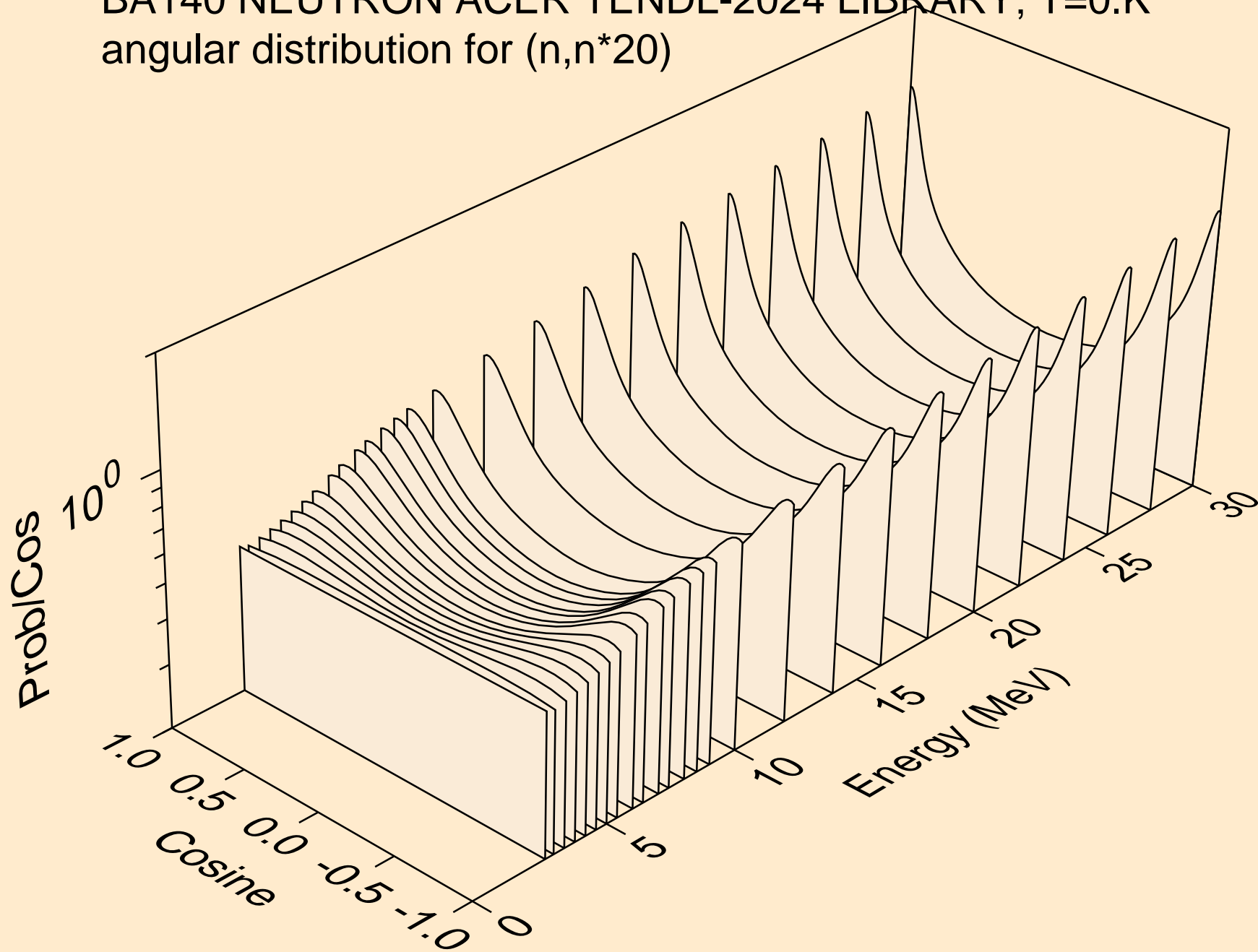
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*19)

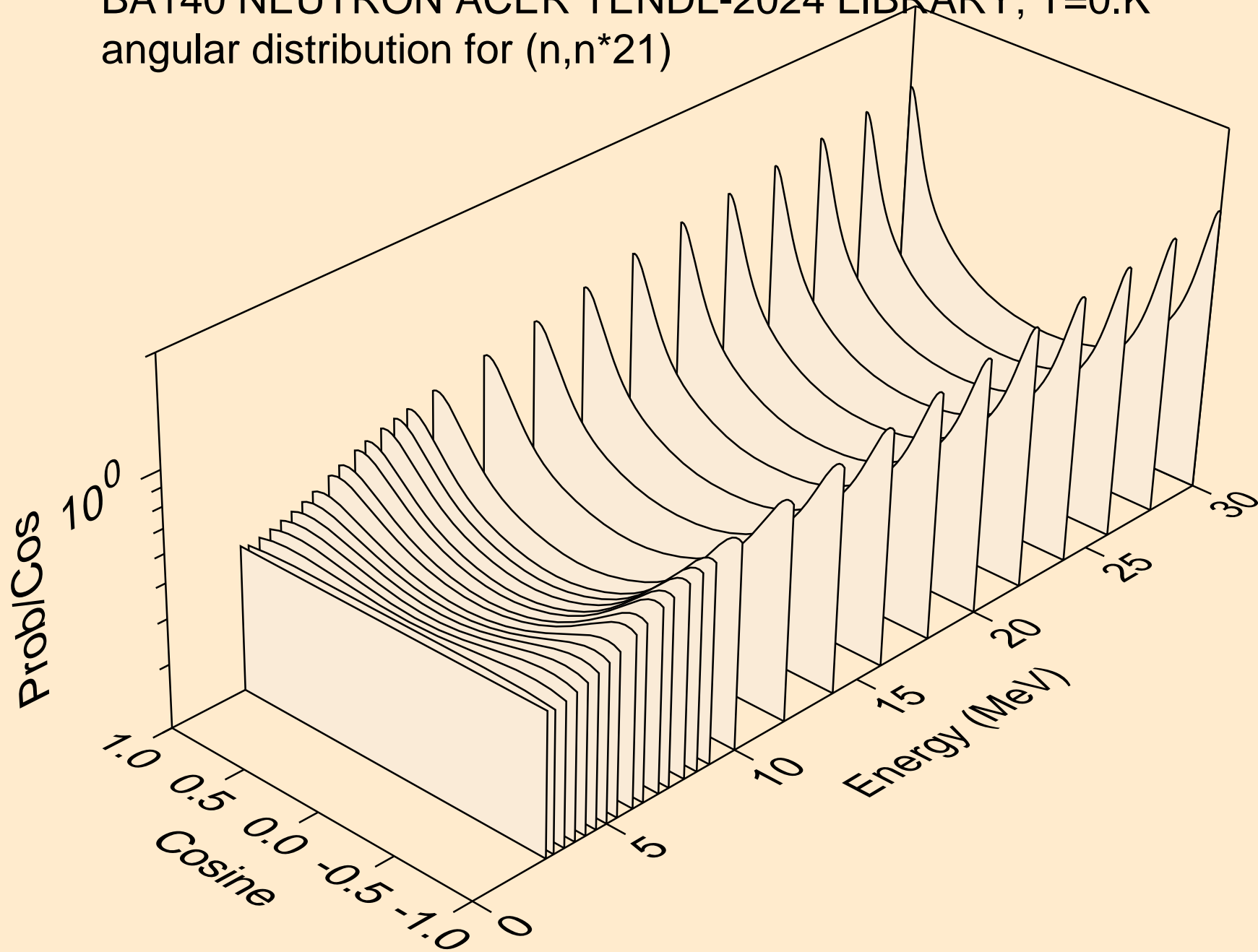


BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*20)

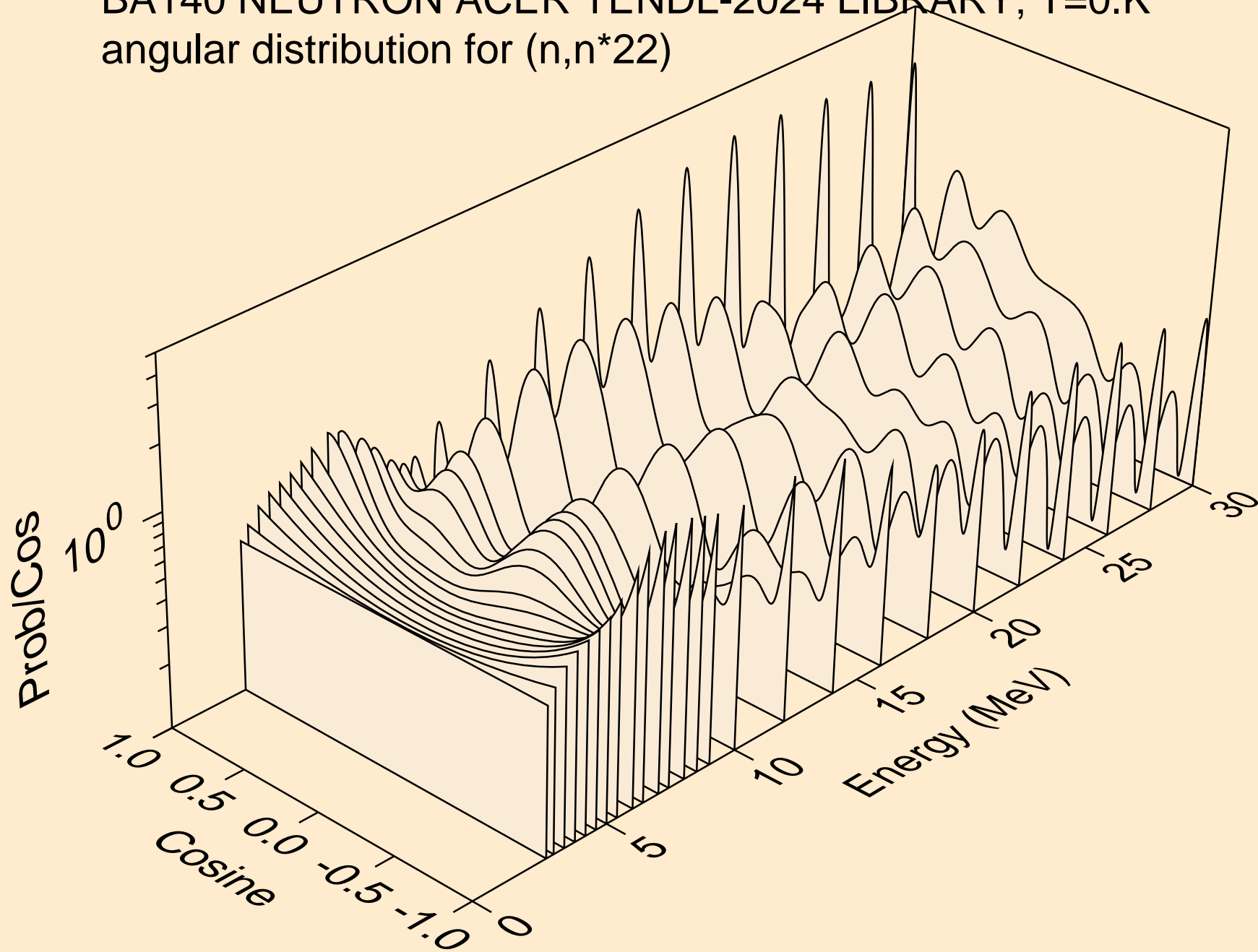




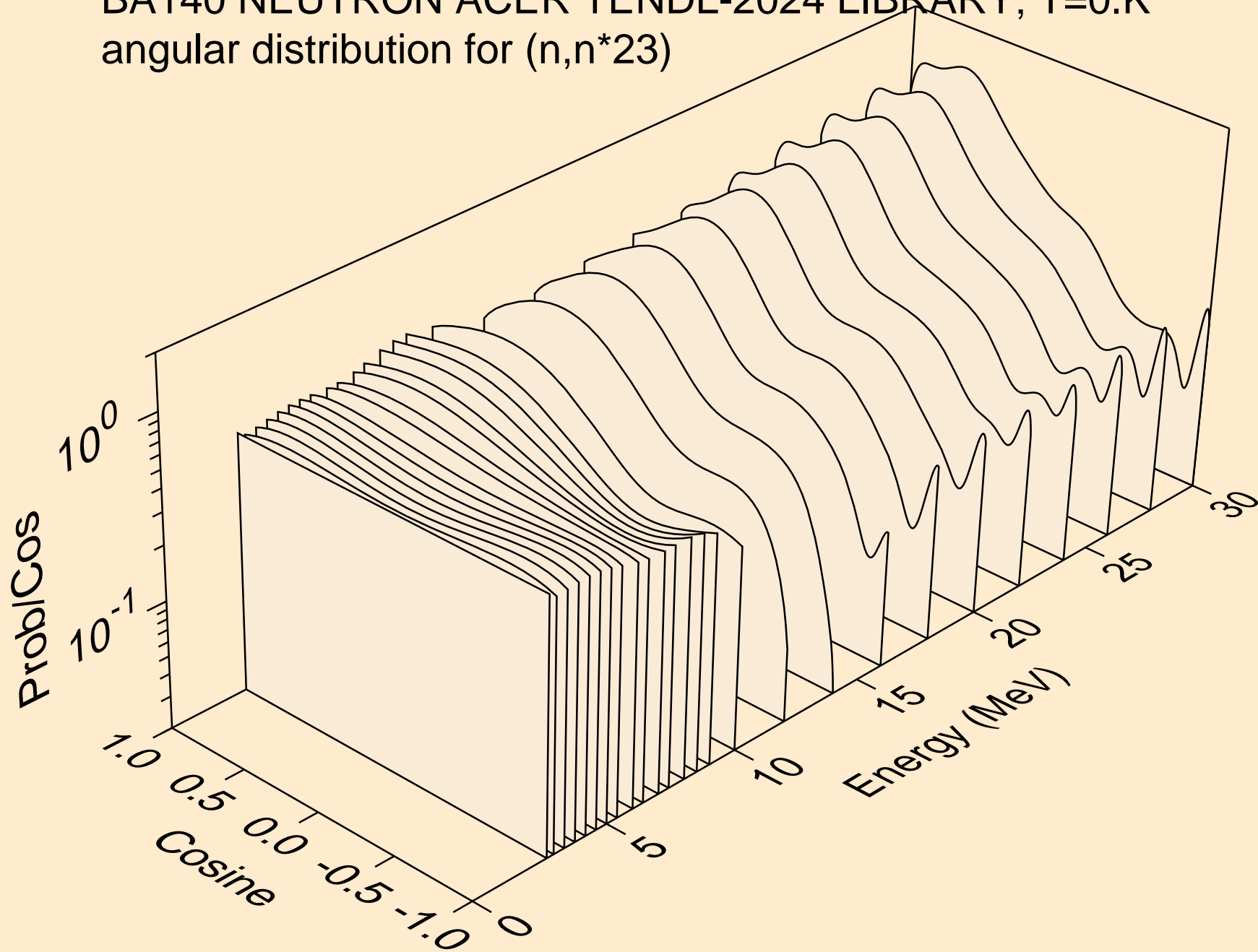
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*21)



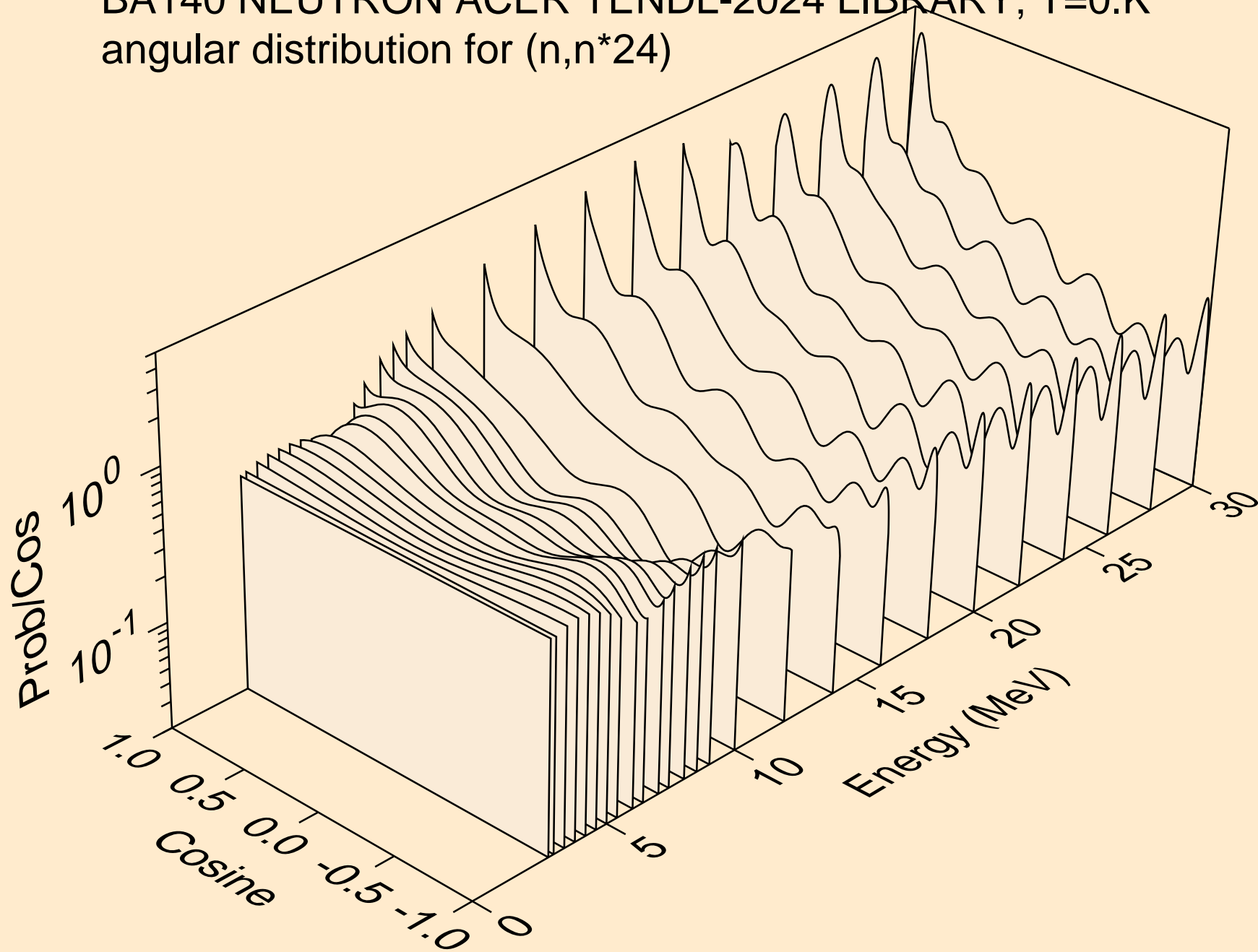
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angular distribution for (n,n\*22)



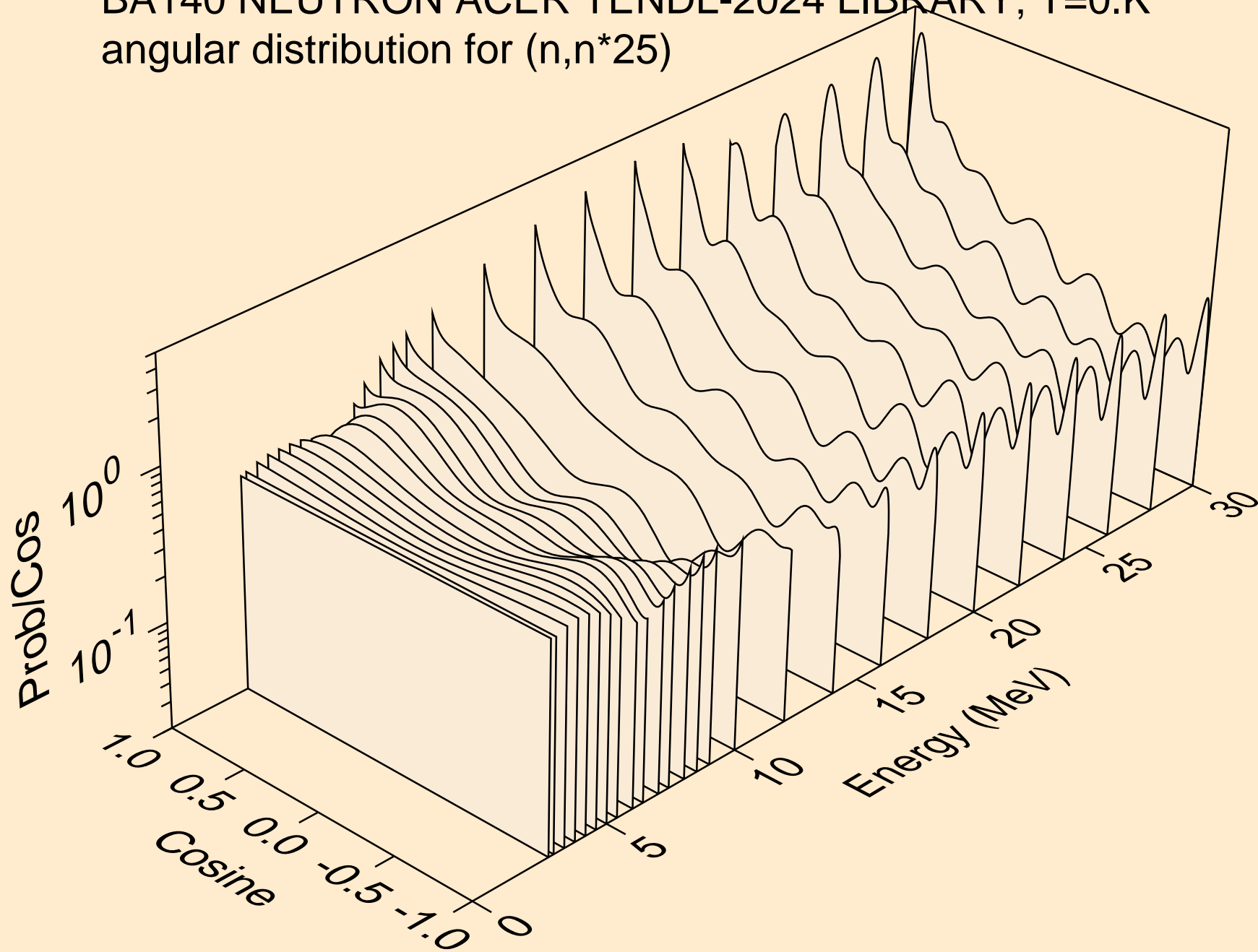
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*23)



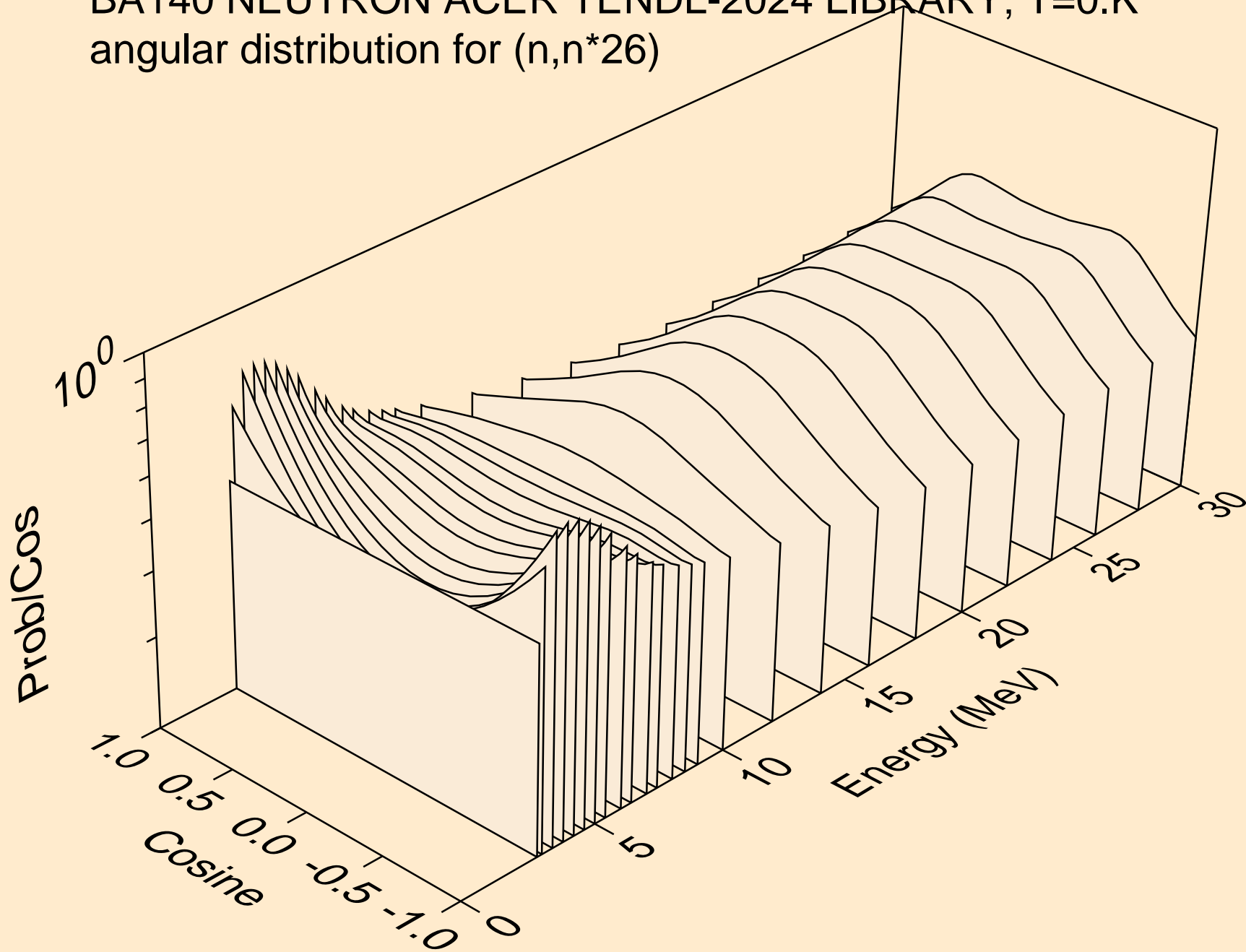
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*24)



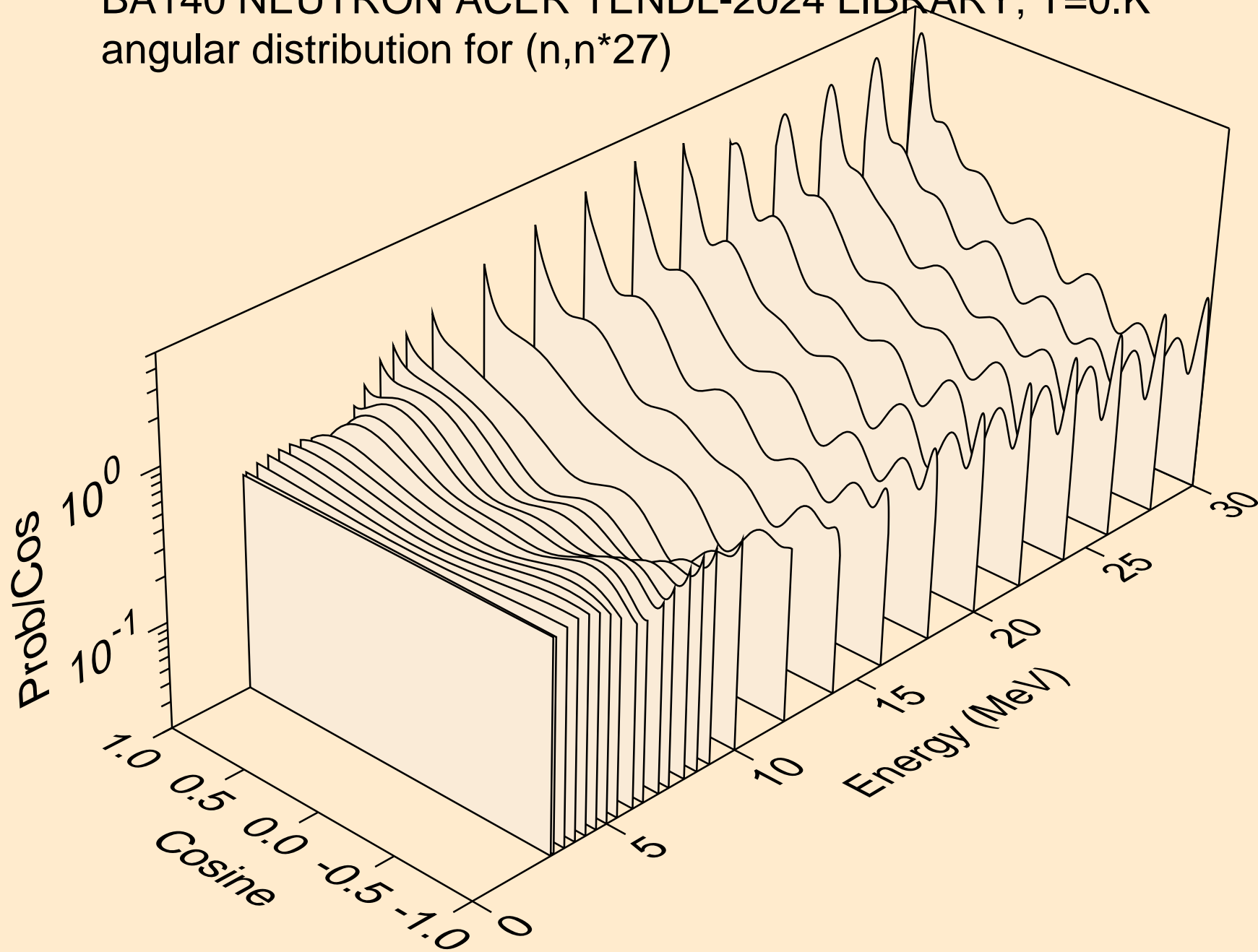
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*25)



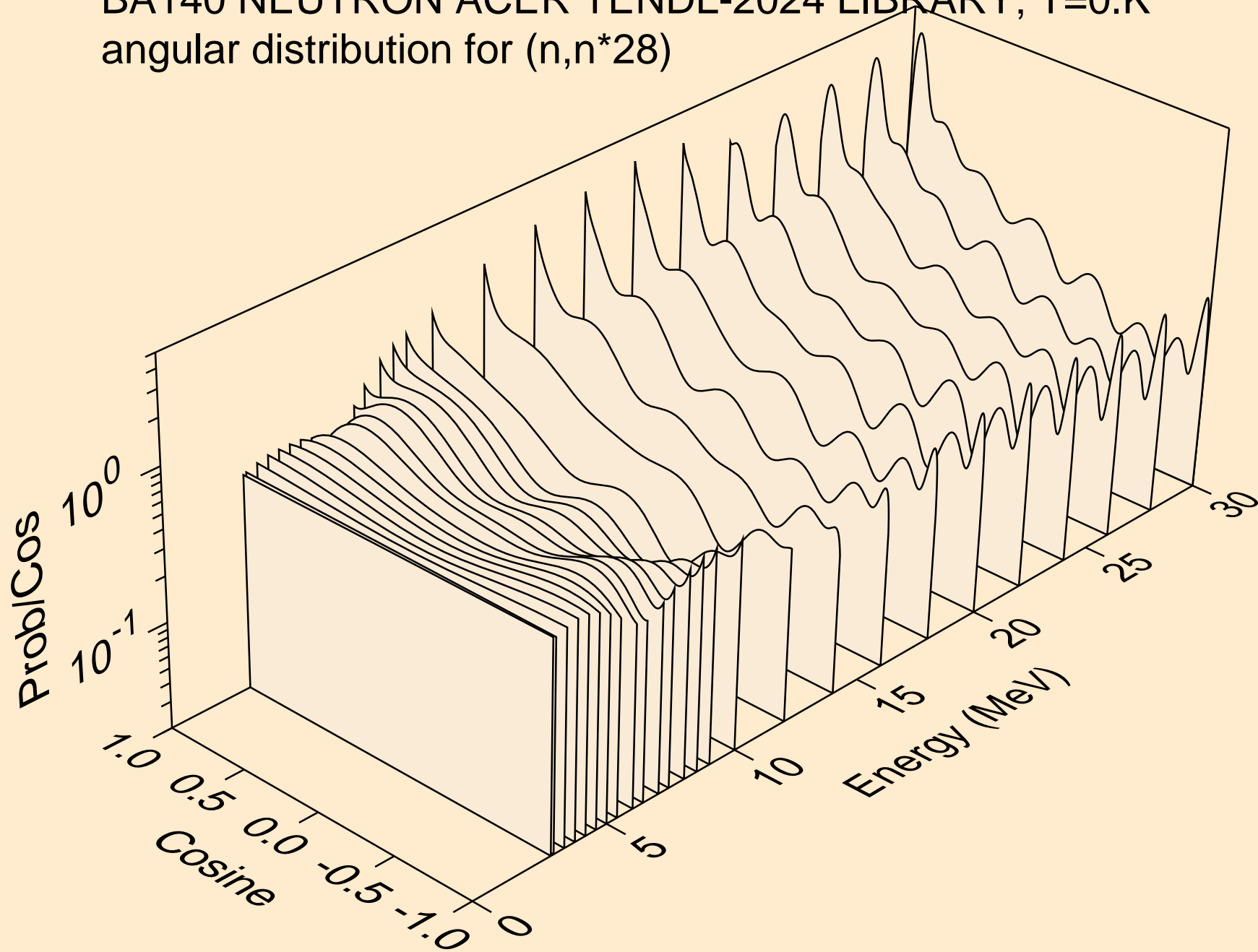
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*27)

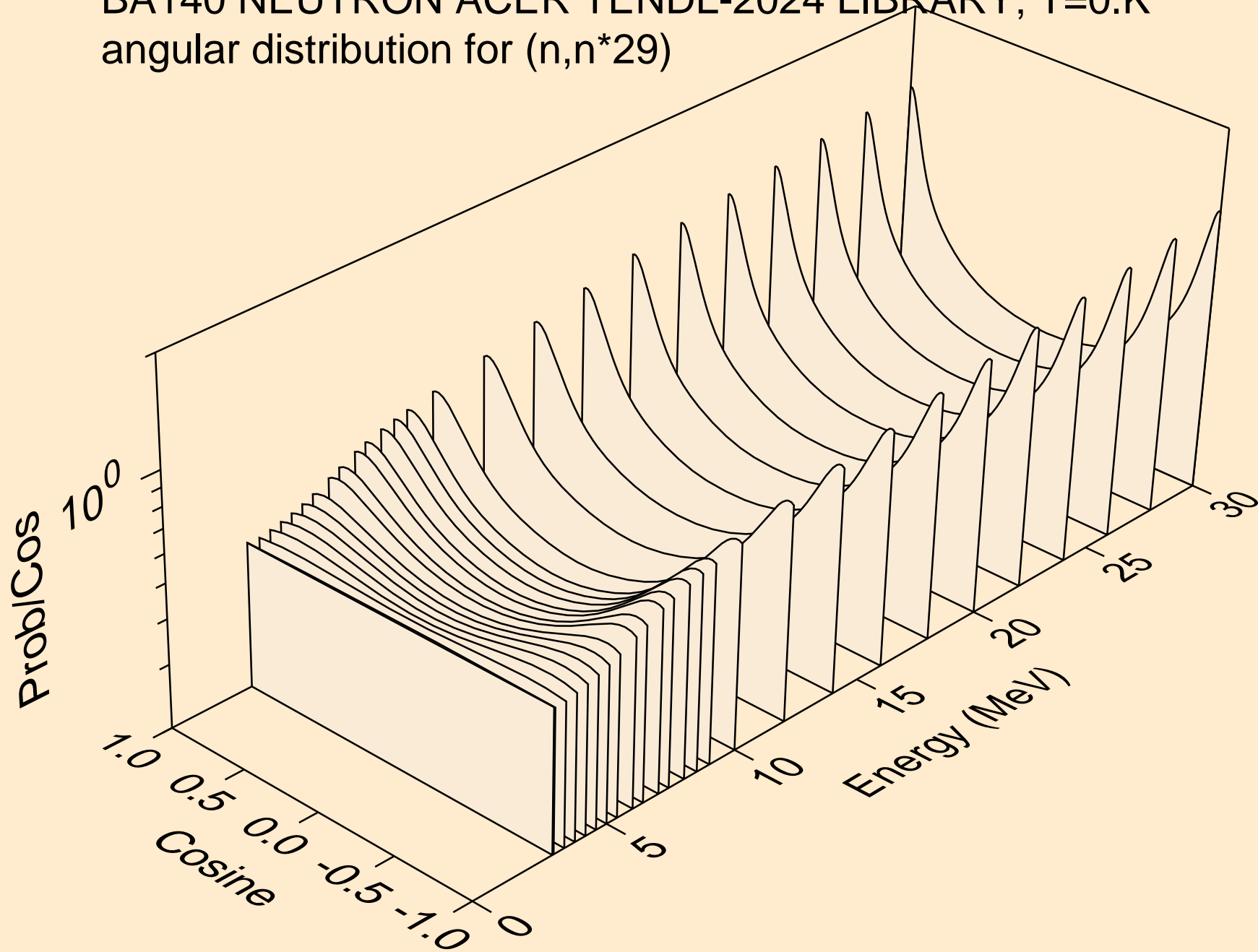


BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*28)

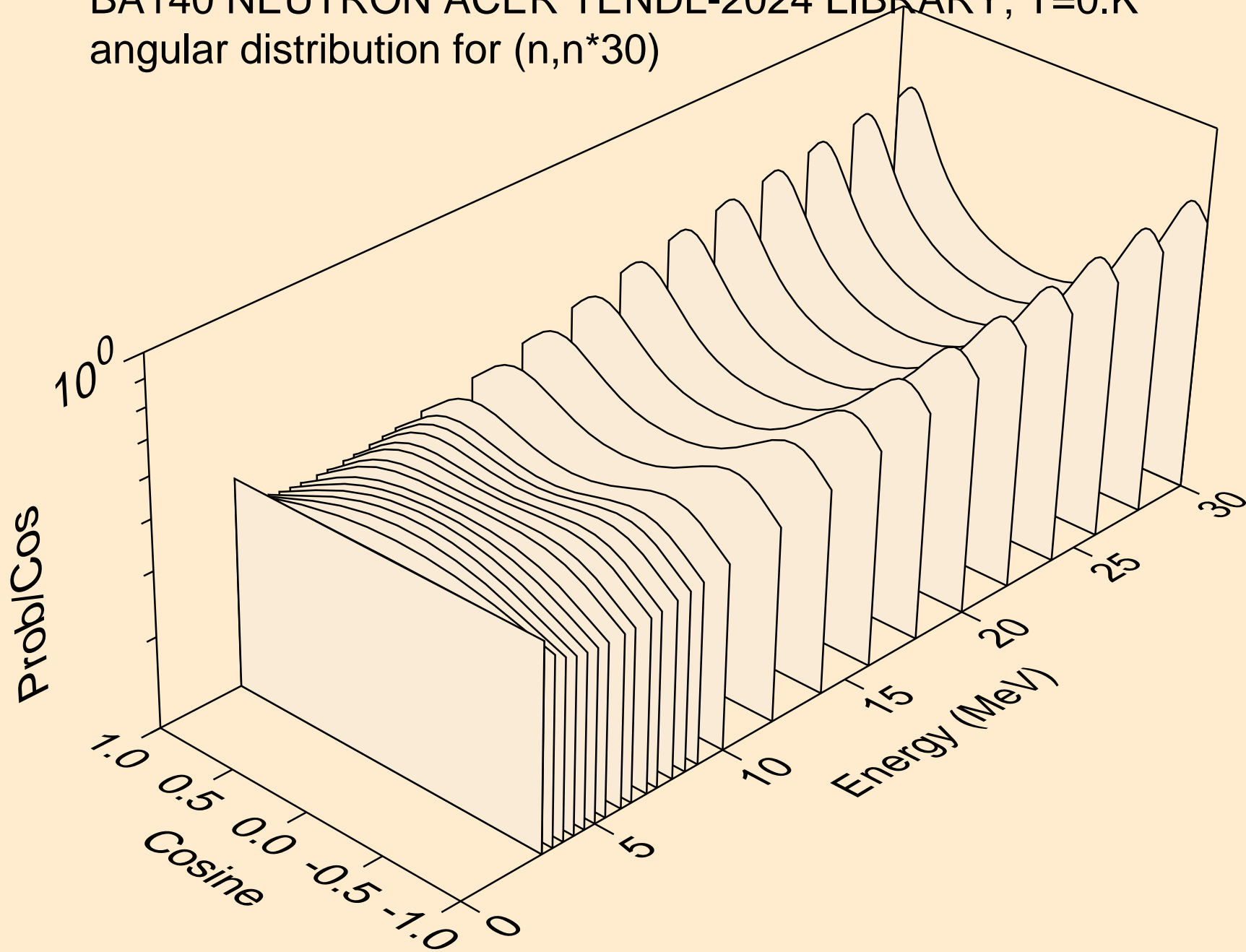




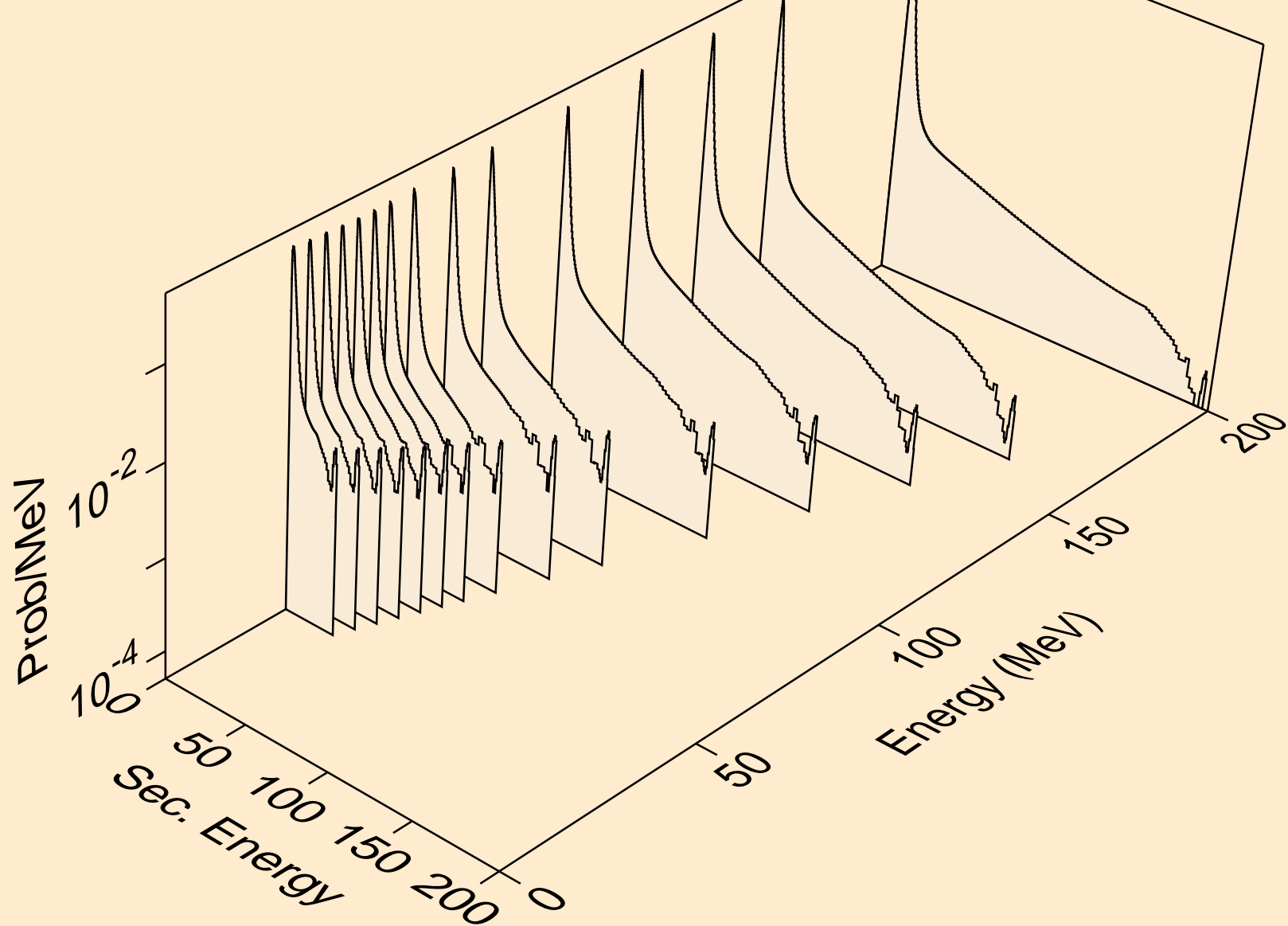
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*29)



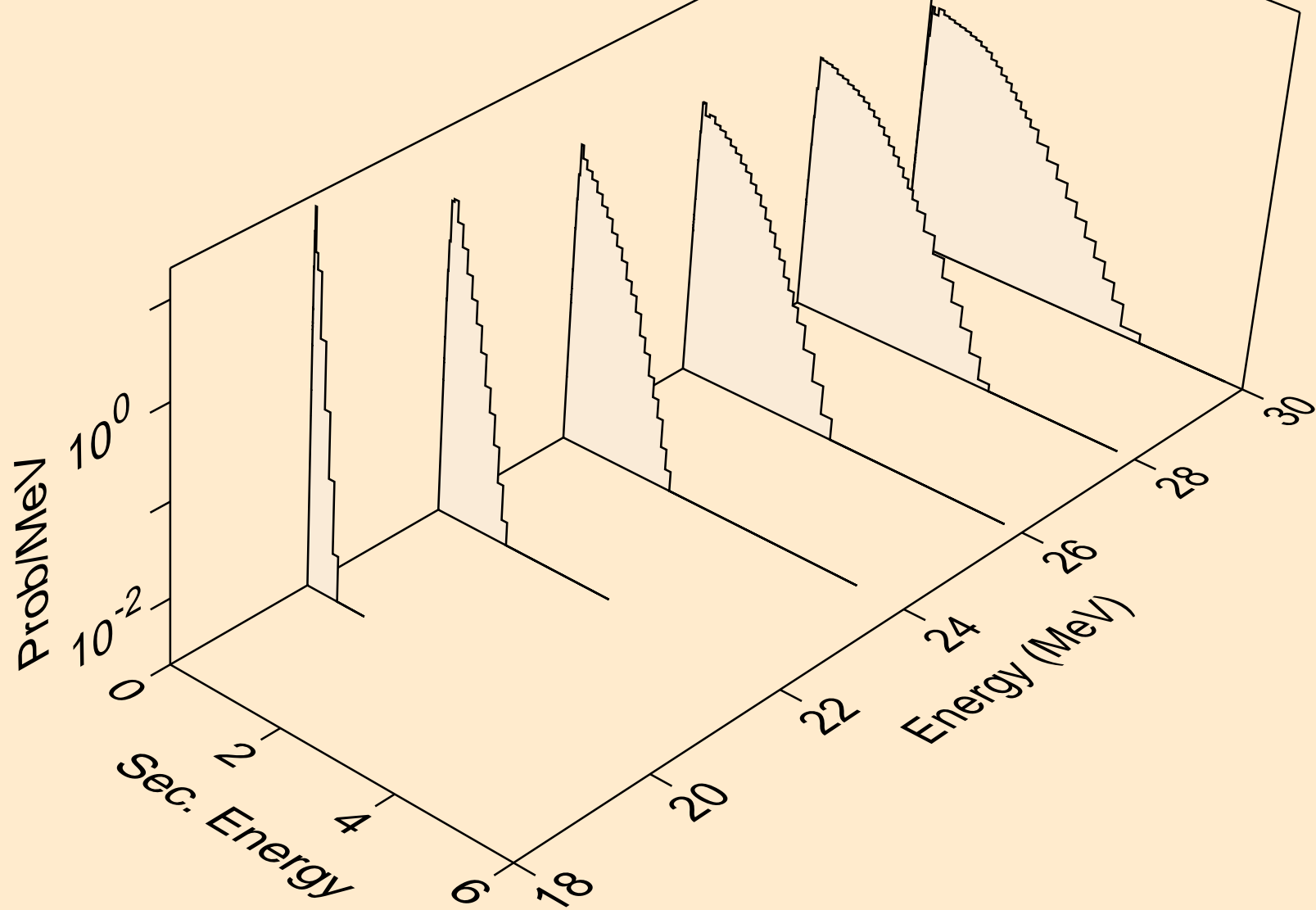
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*30)



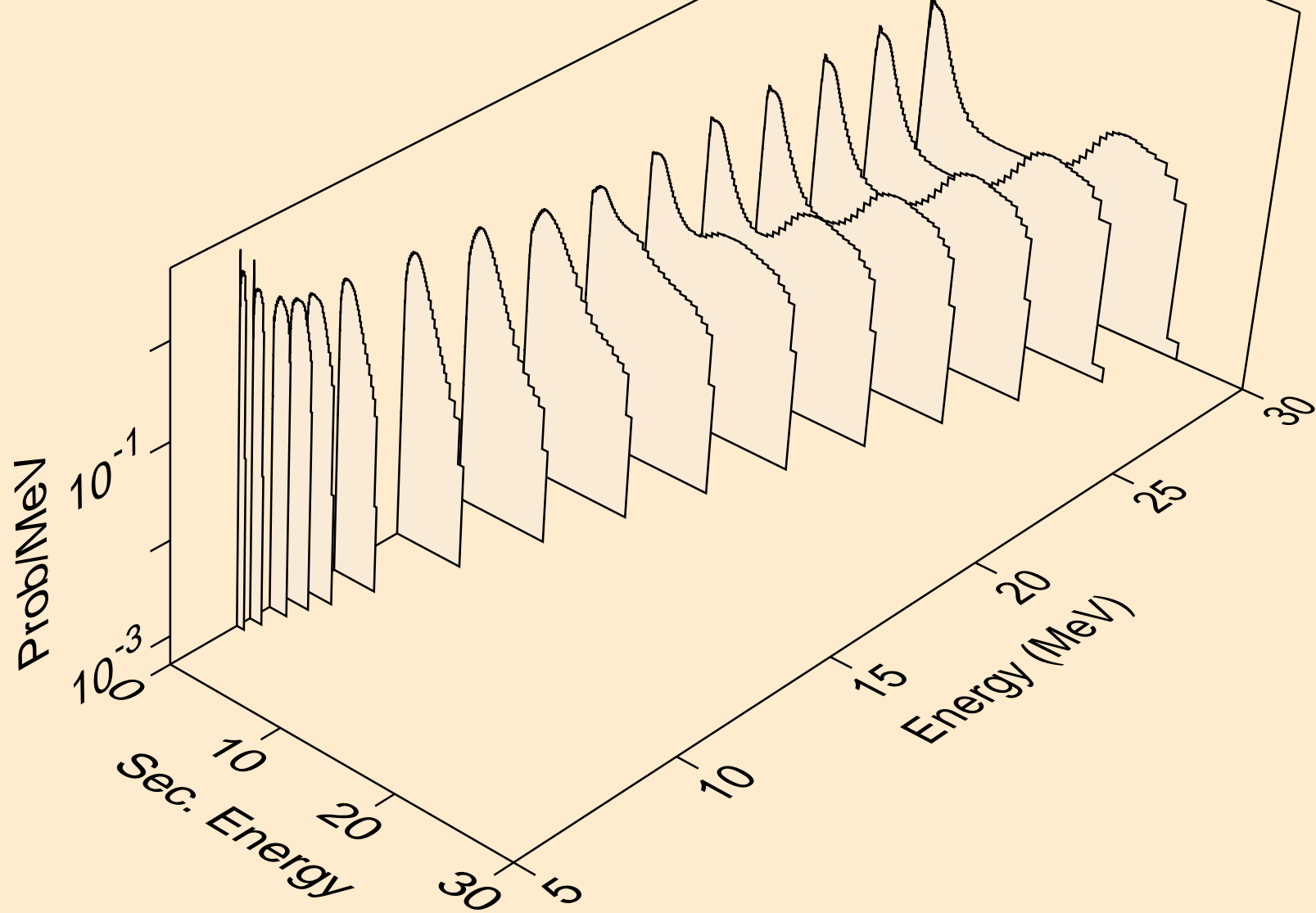
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



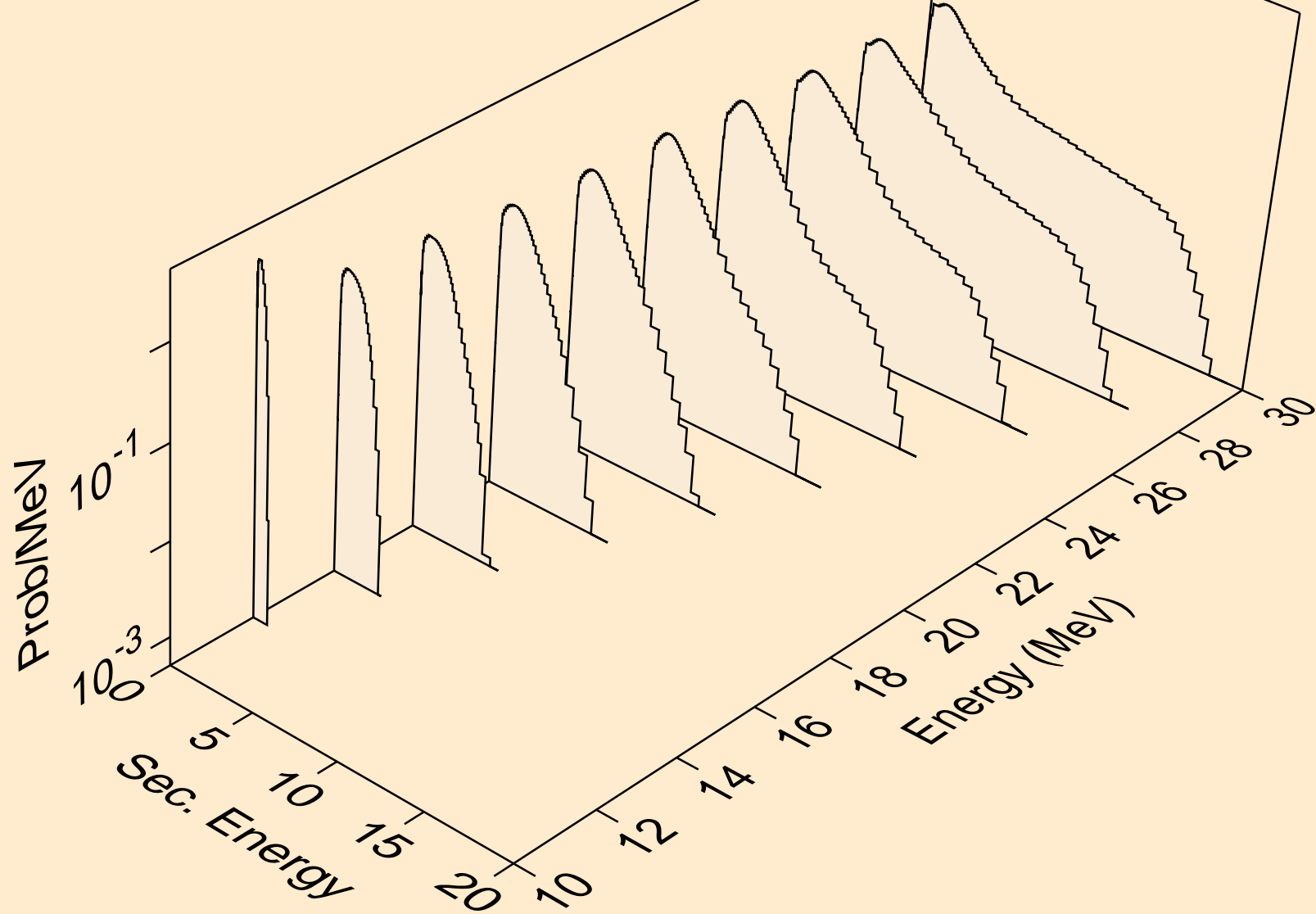
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



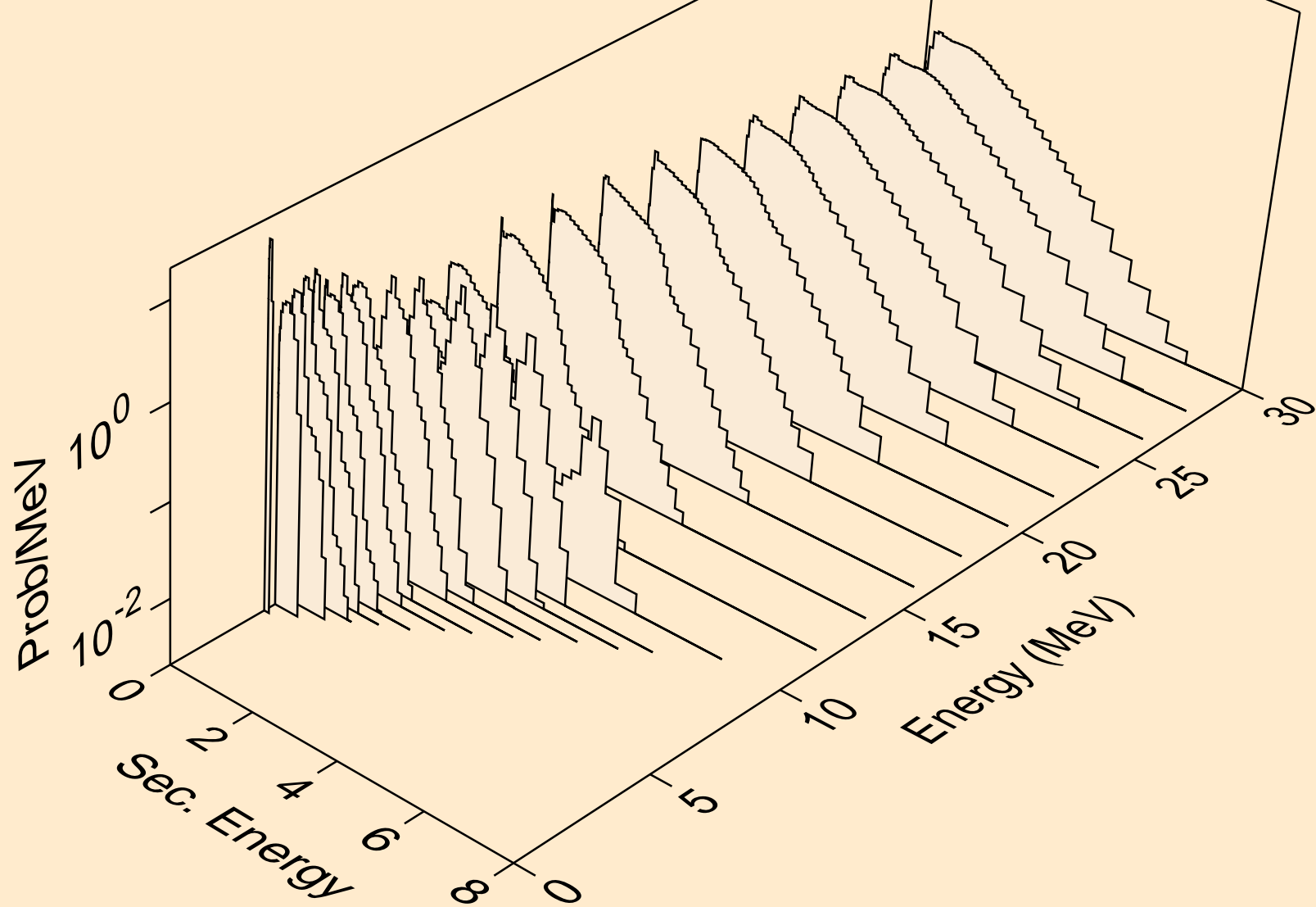
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



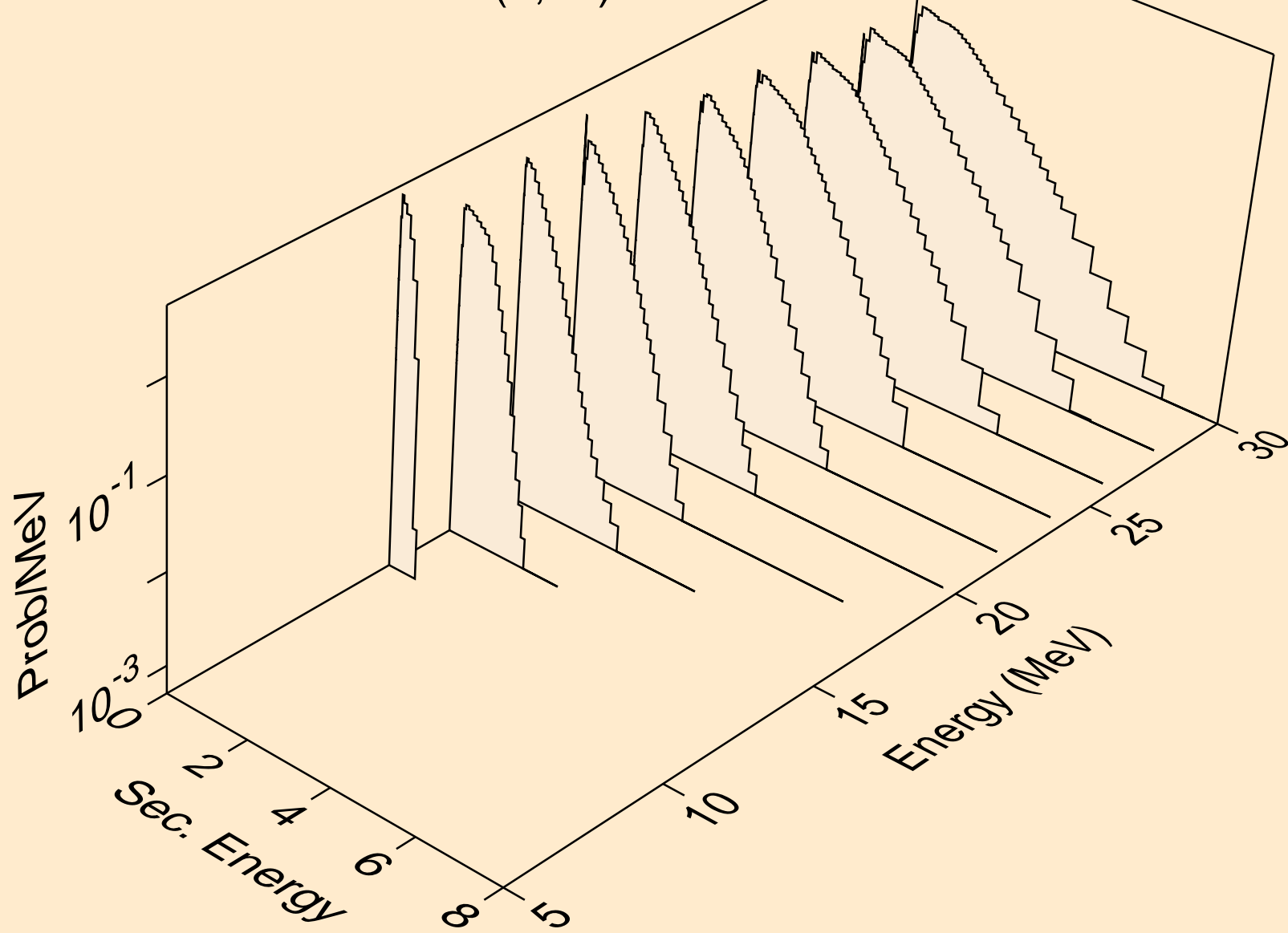
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

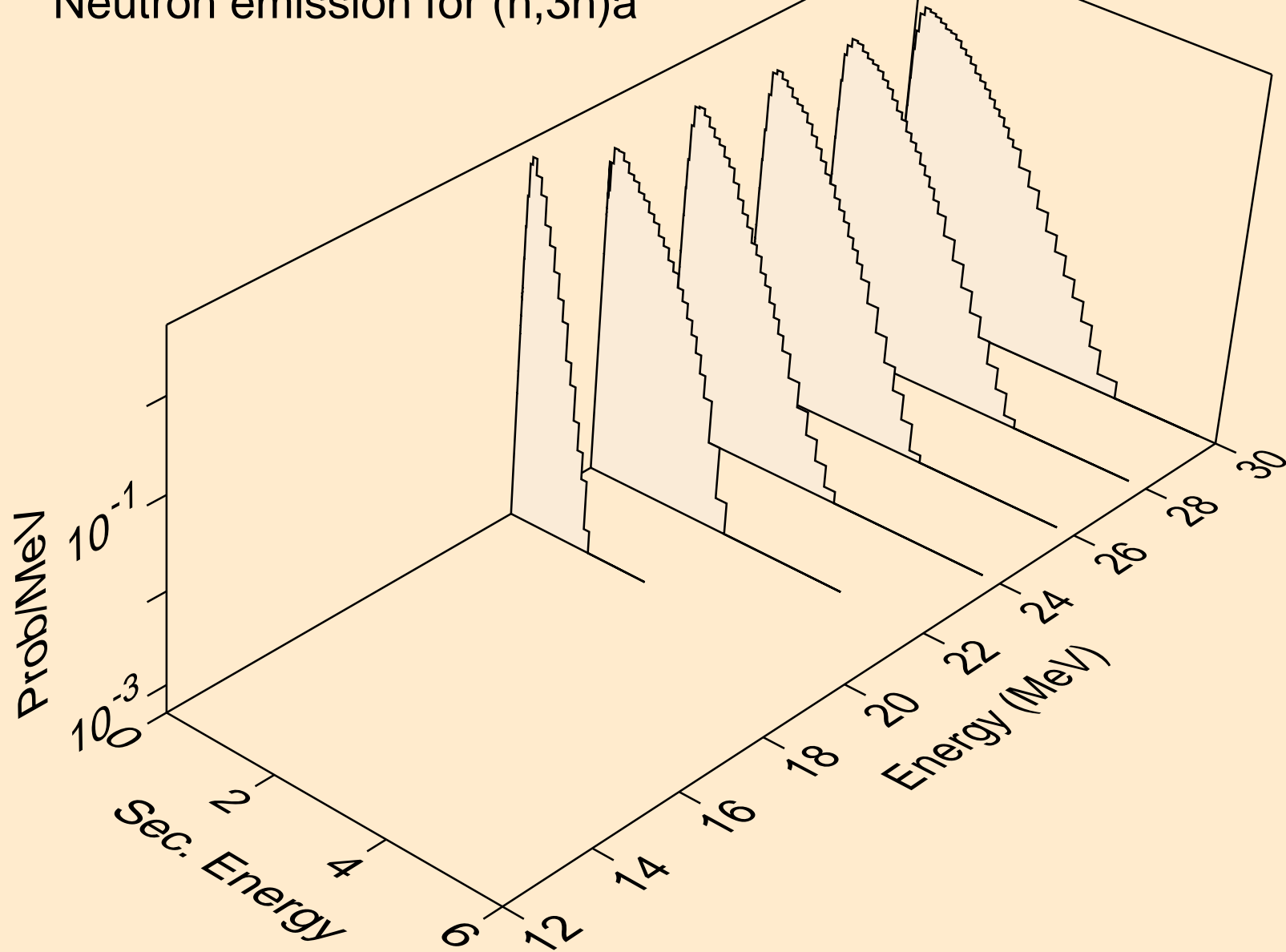


BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a

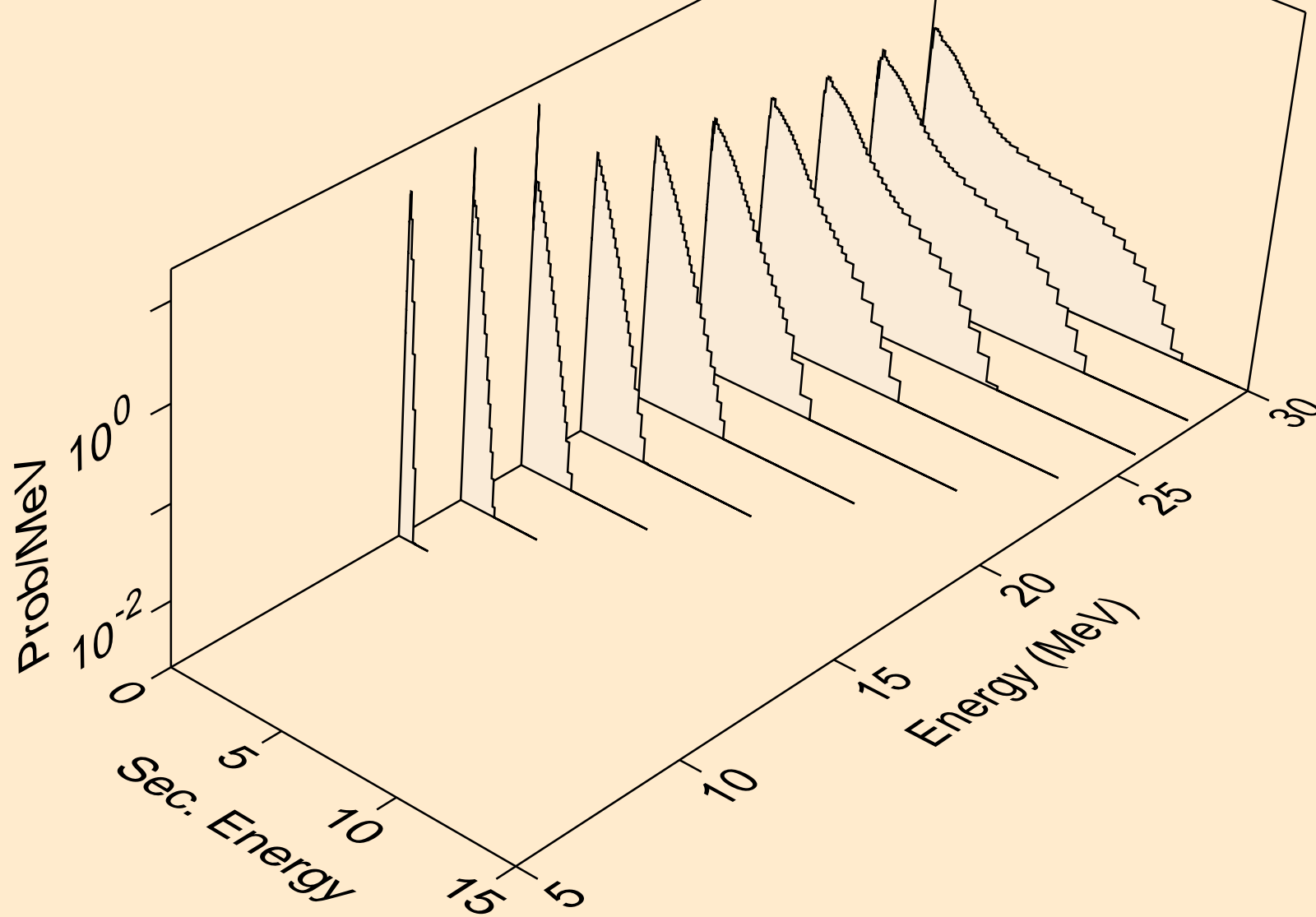




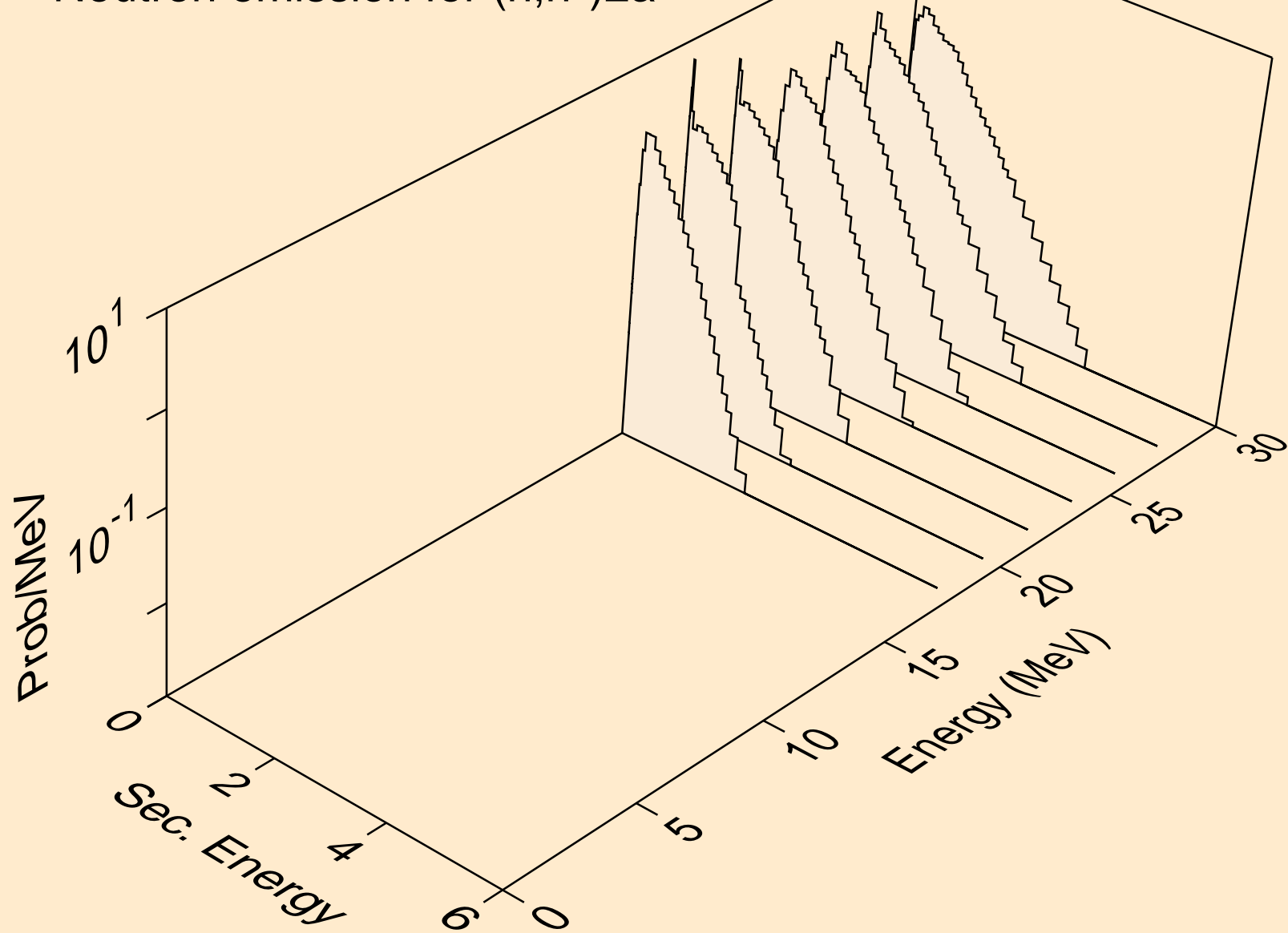
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



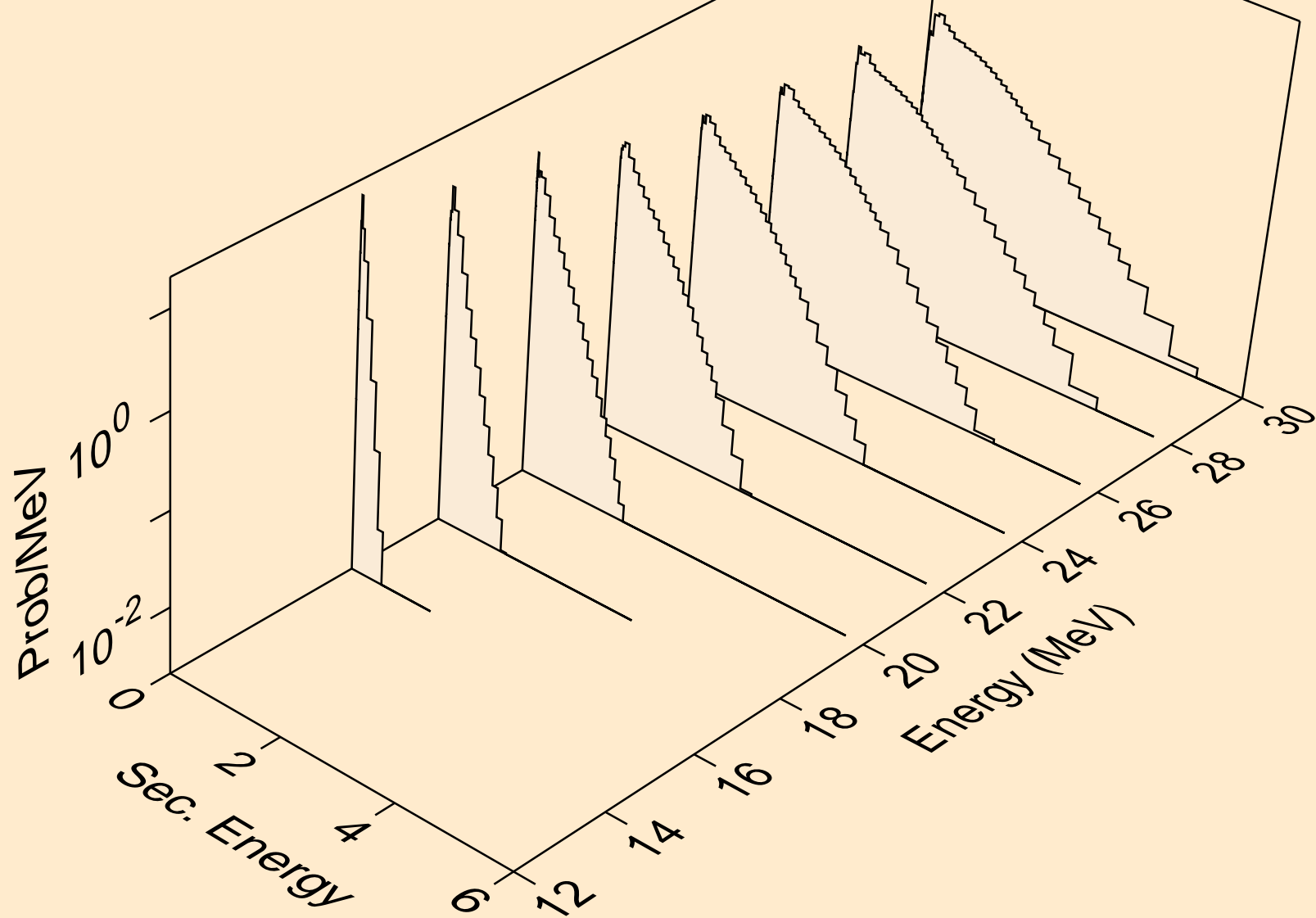
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



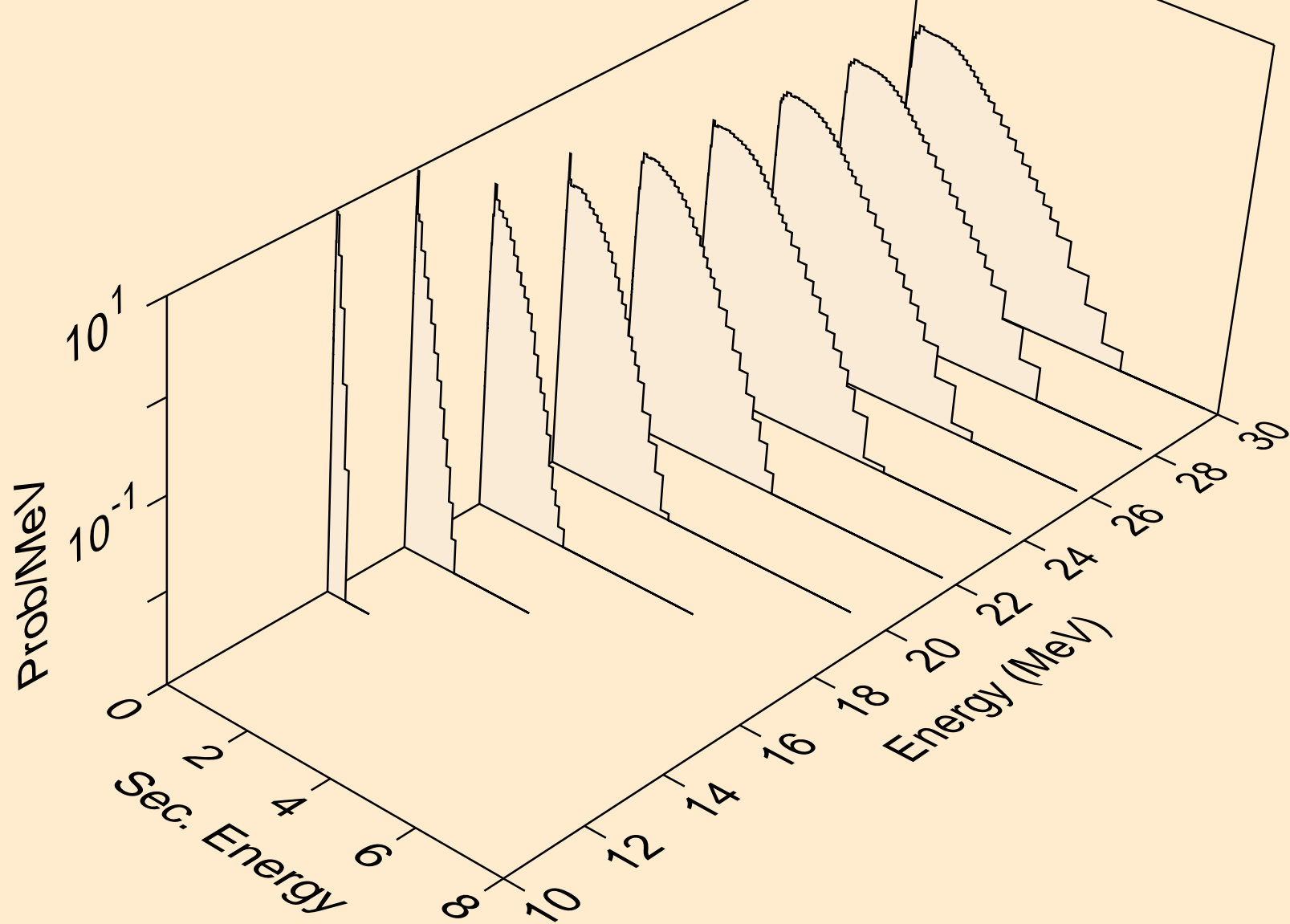
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



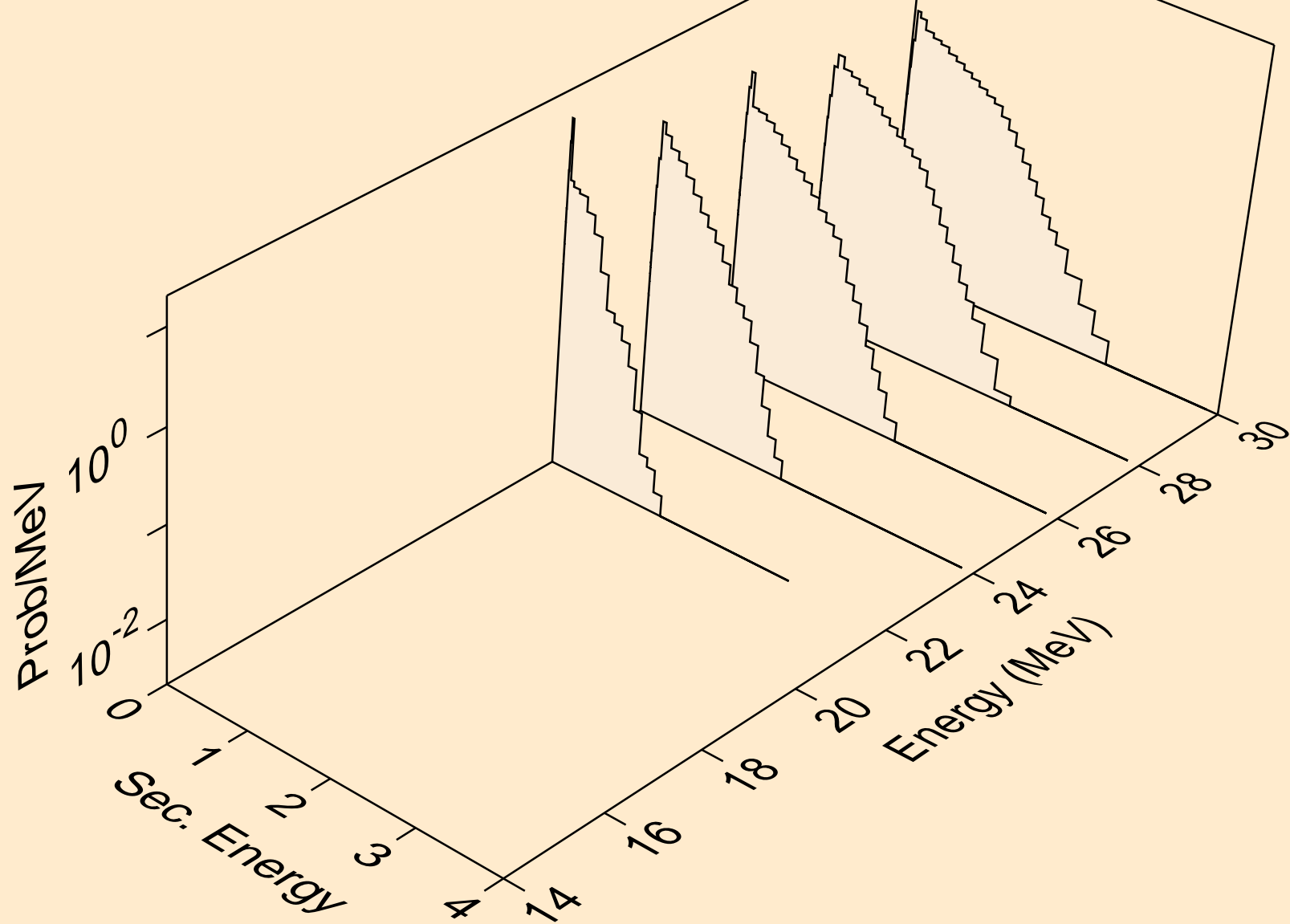
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



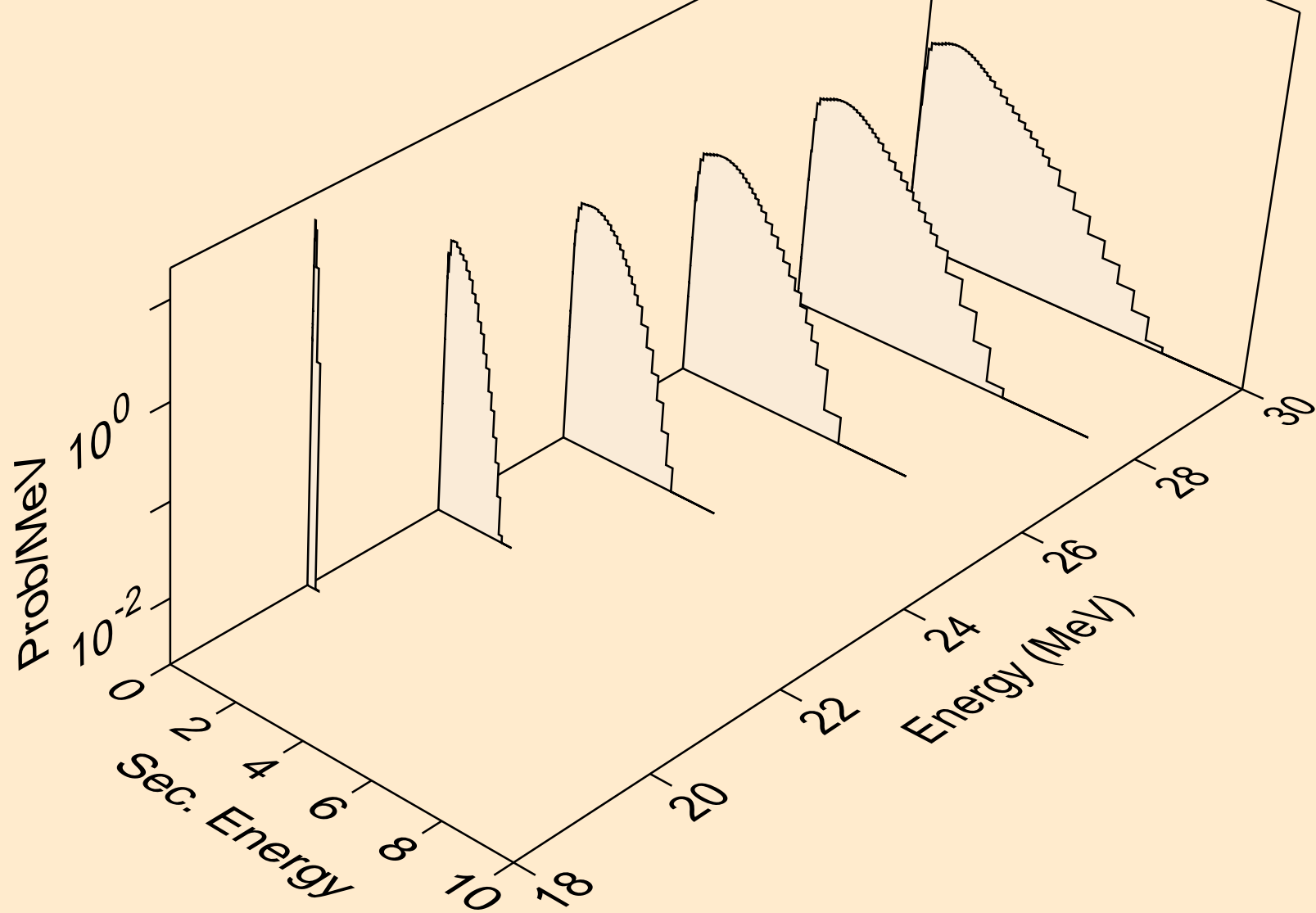
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



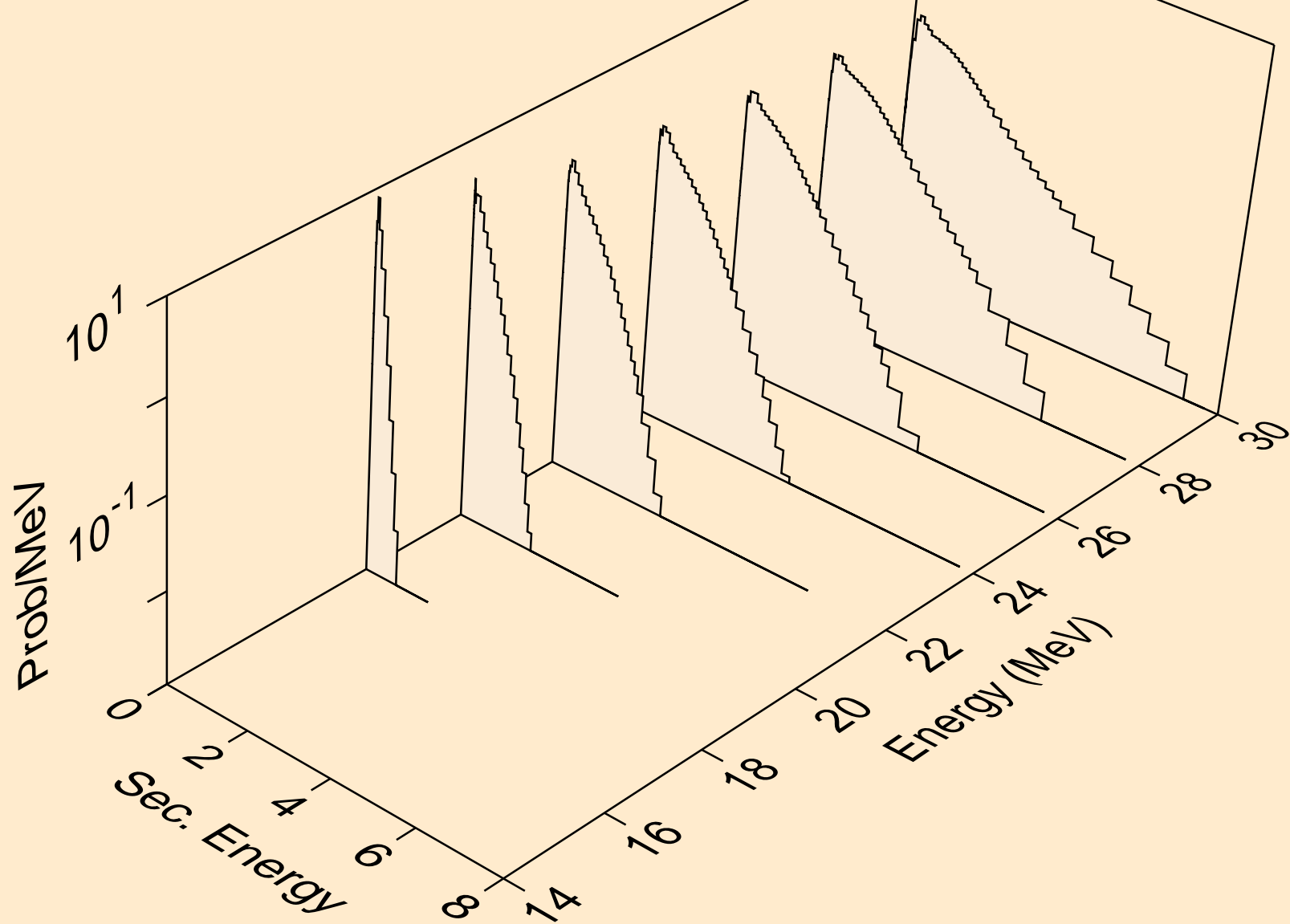
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)

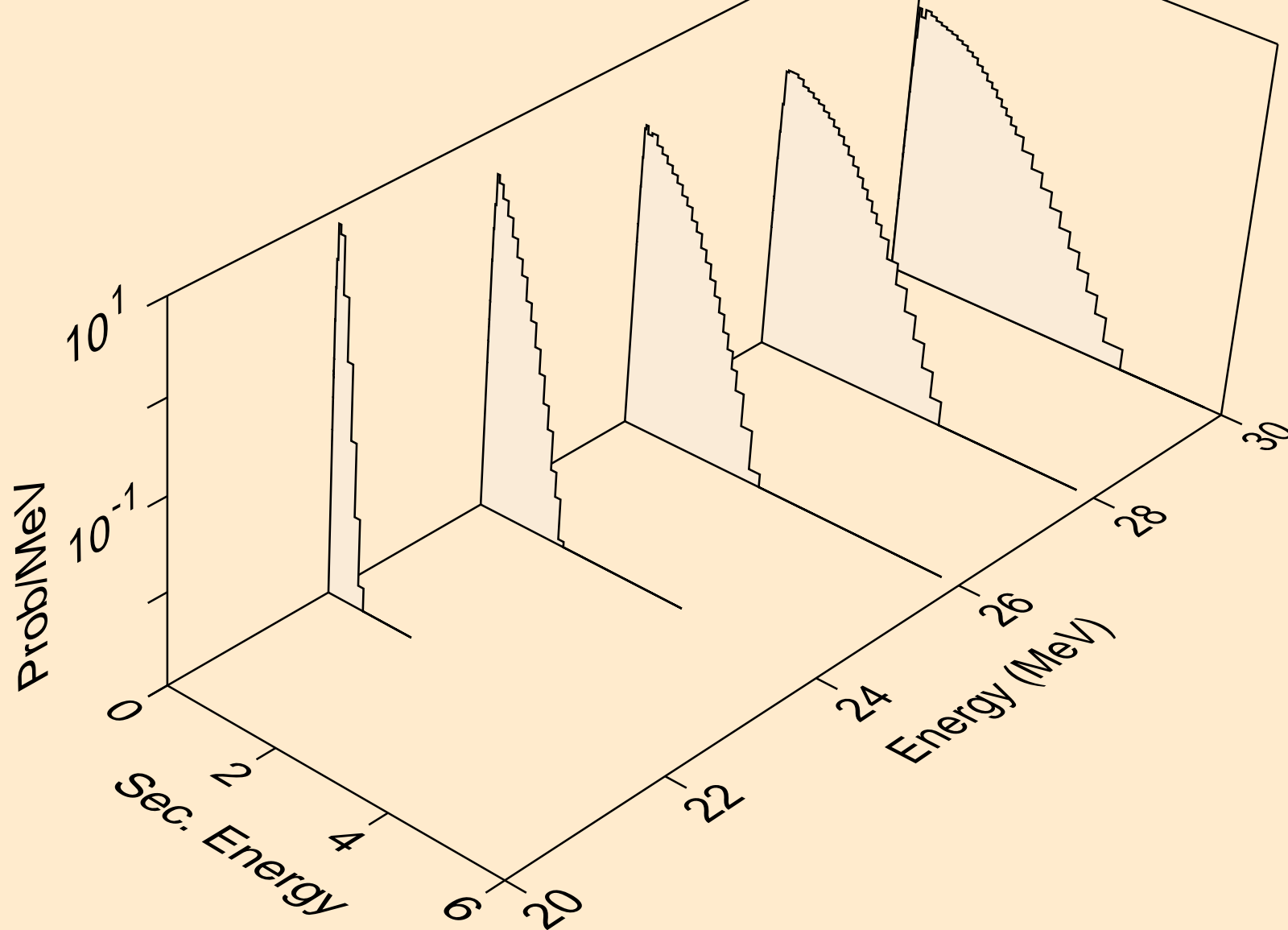


BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)

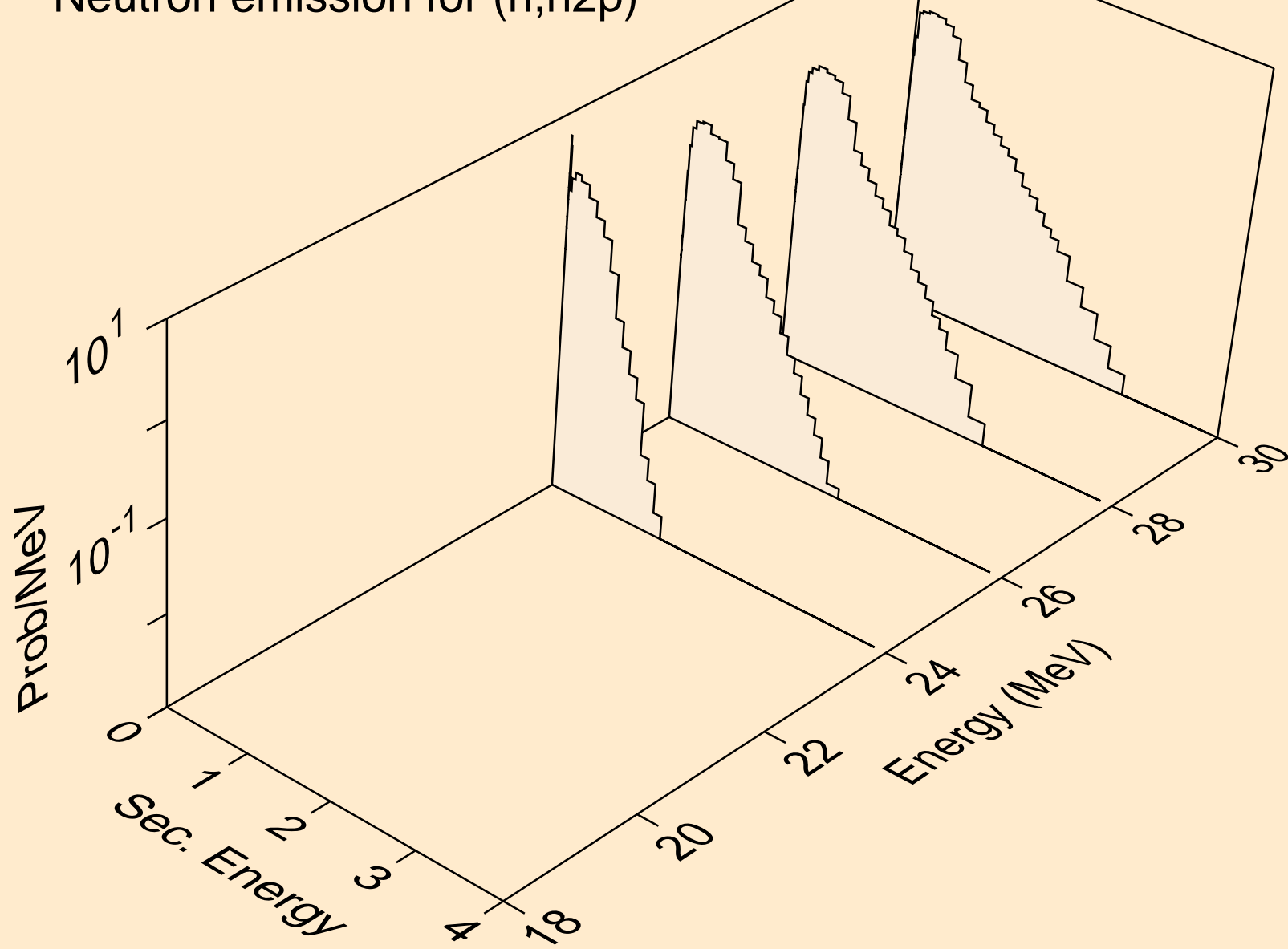




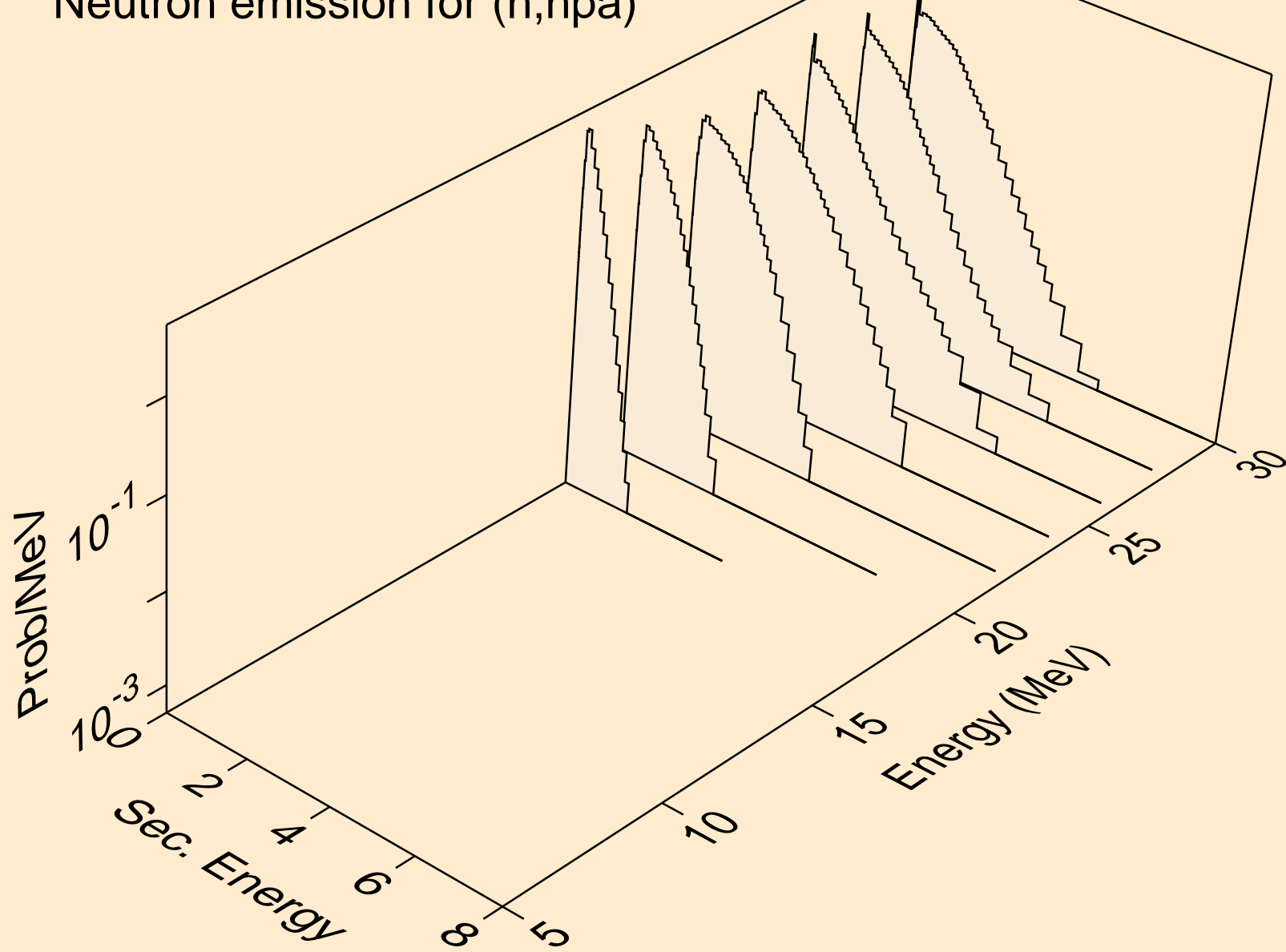
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)



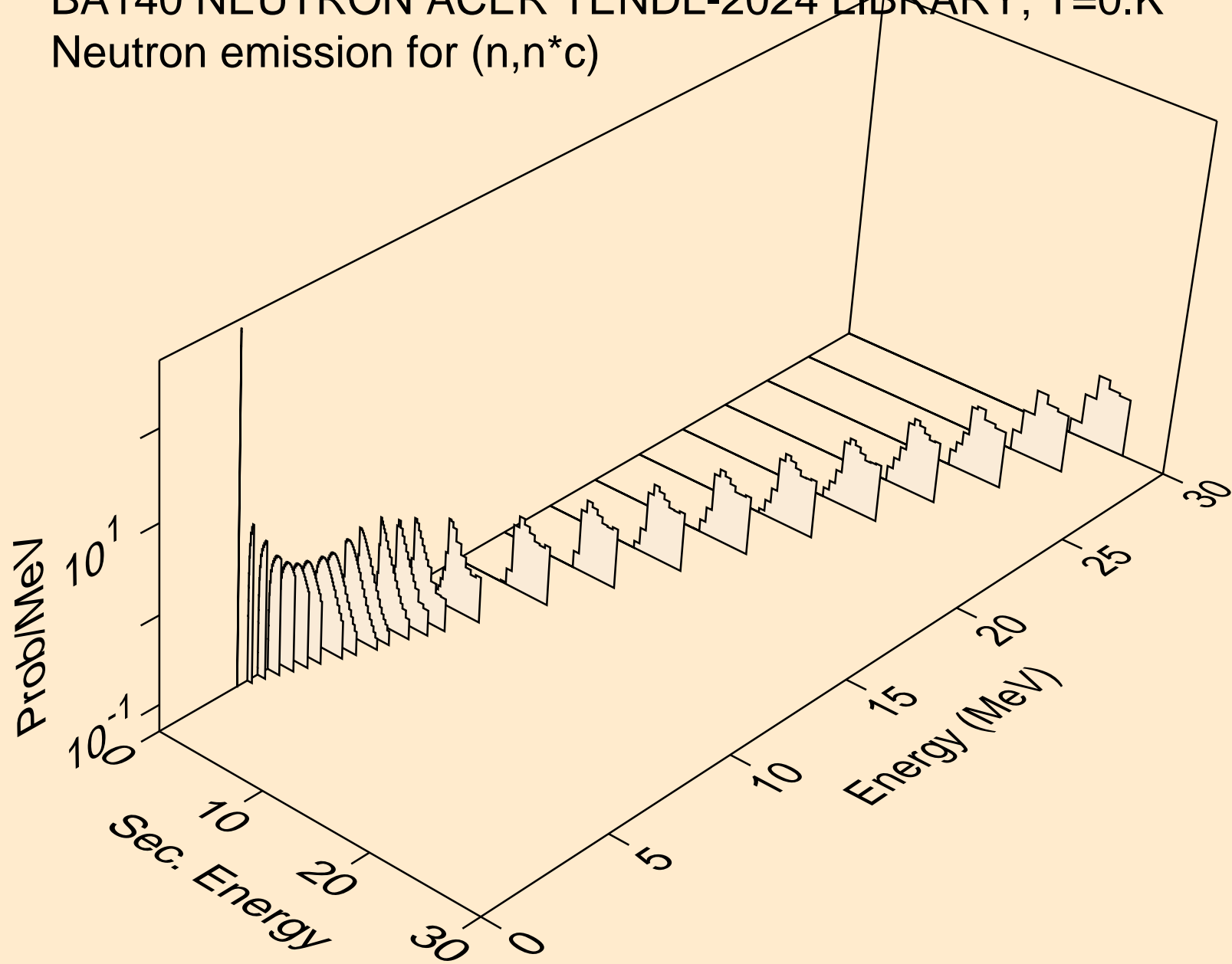
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



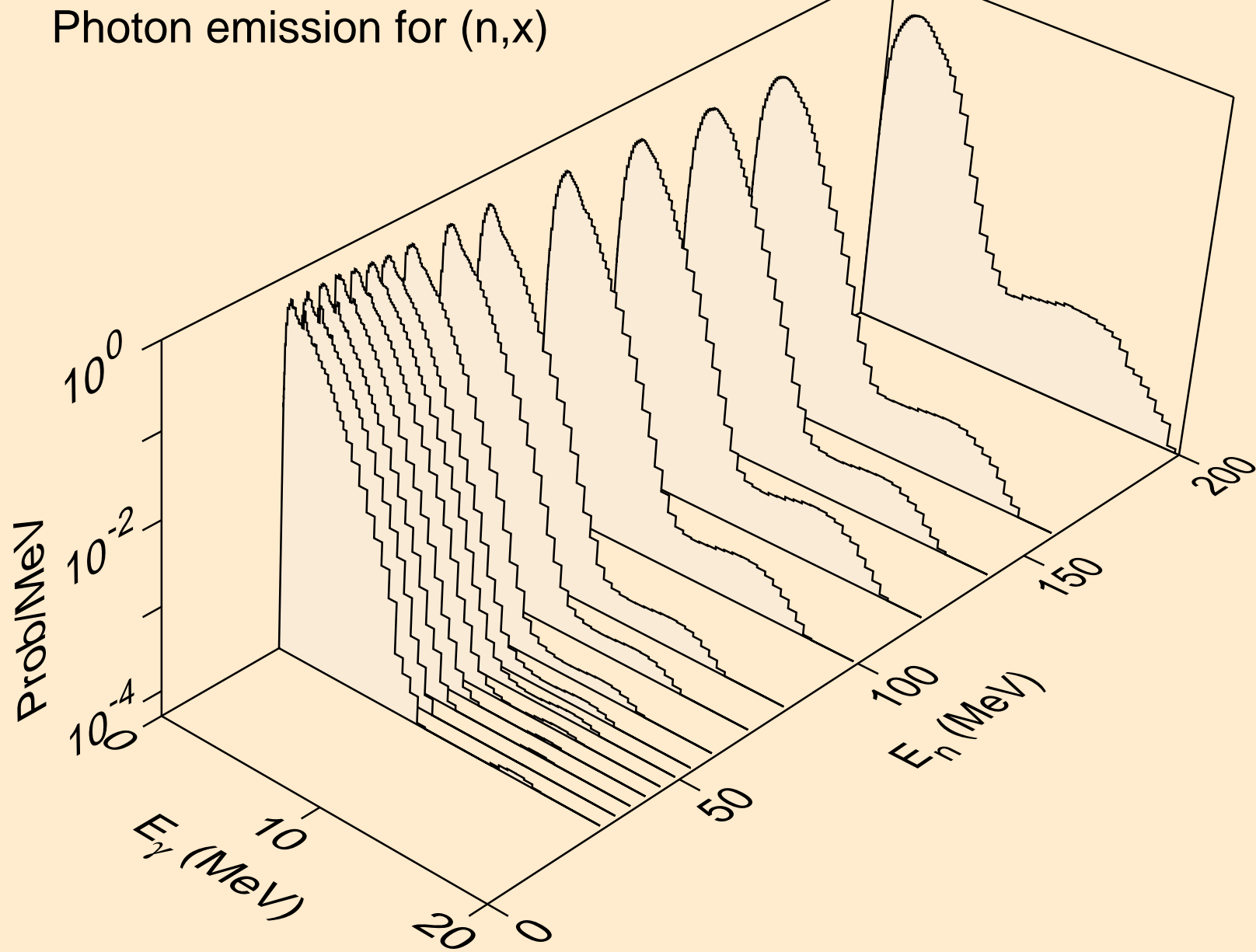
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)



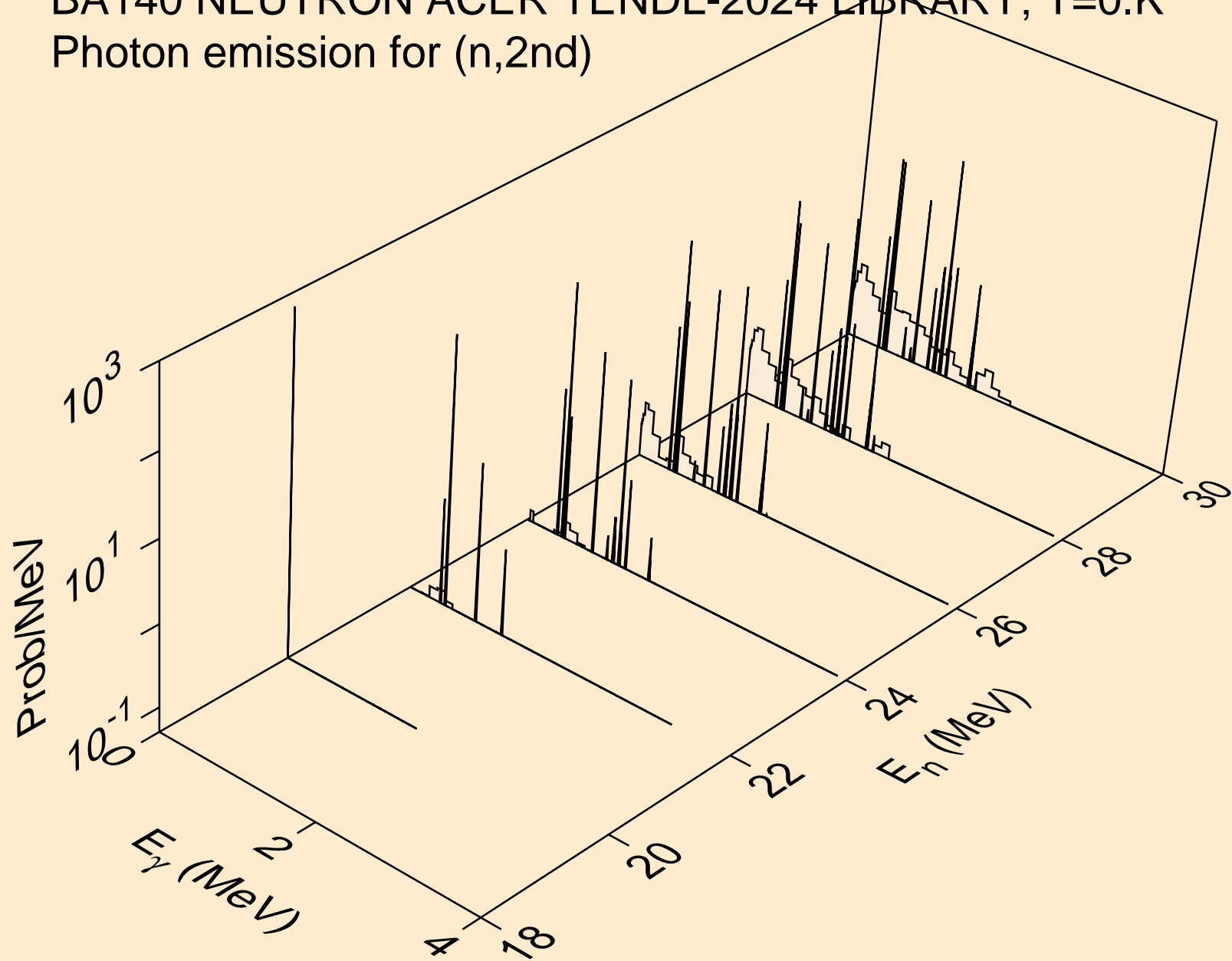
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



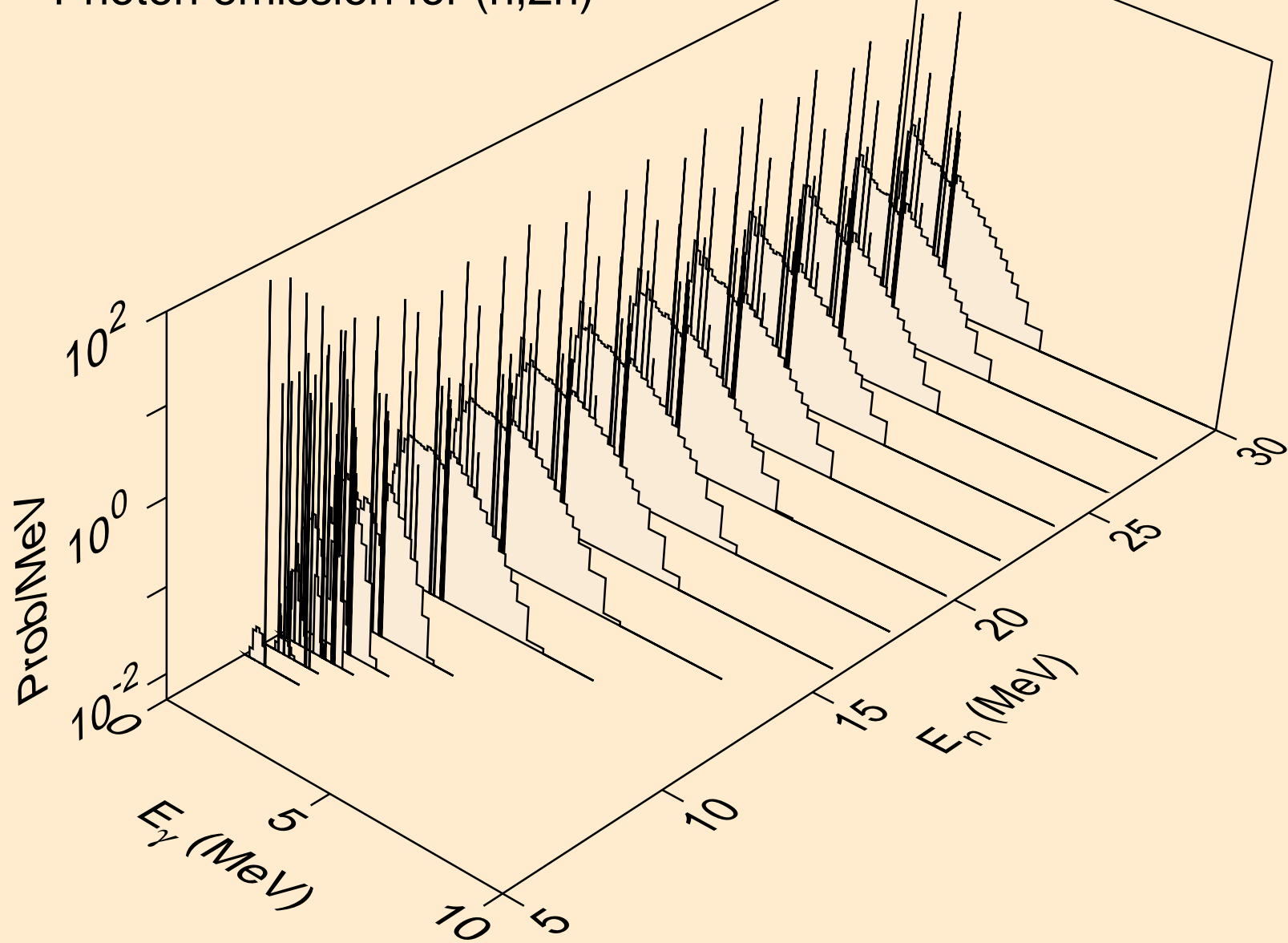
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



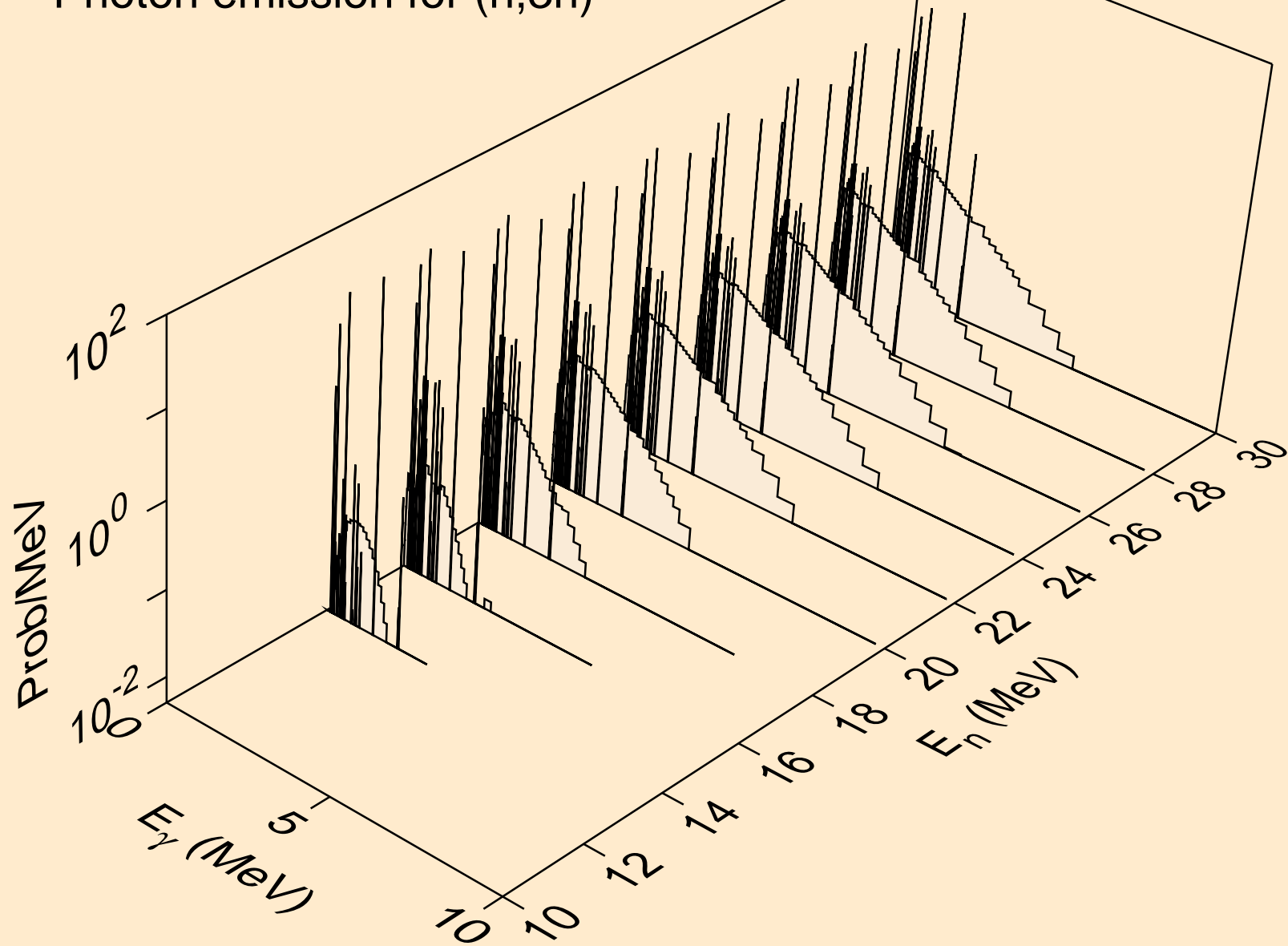
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)

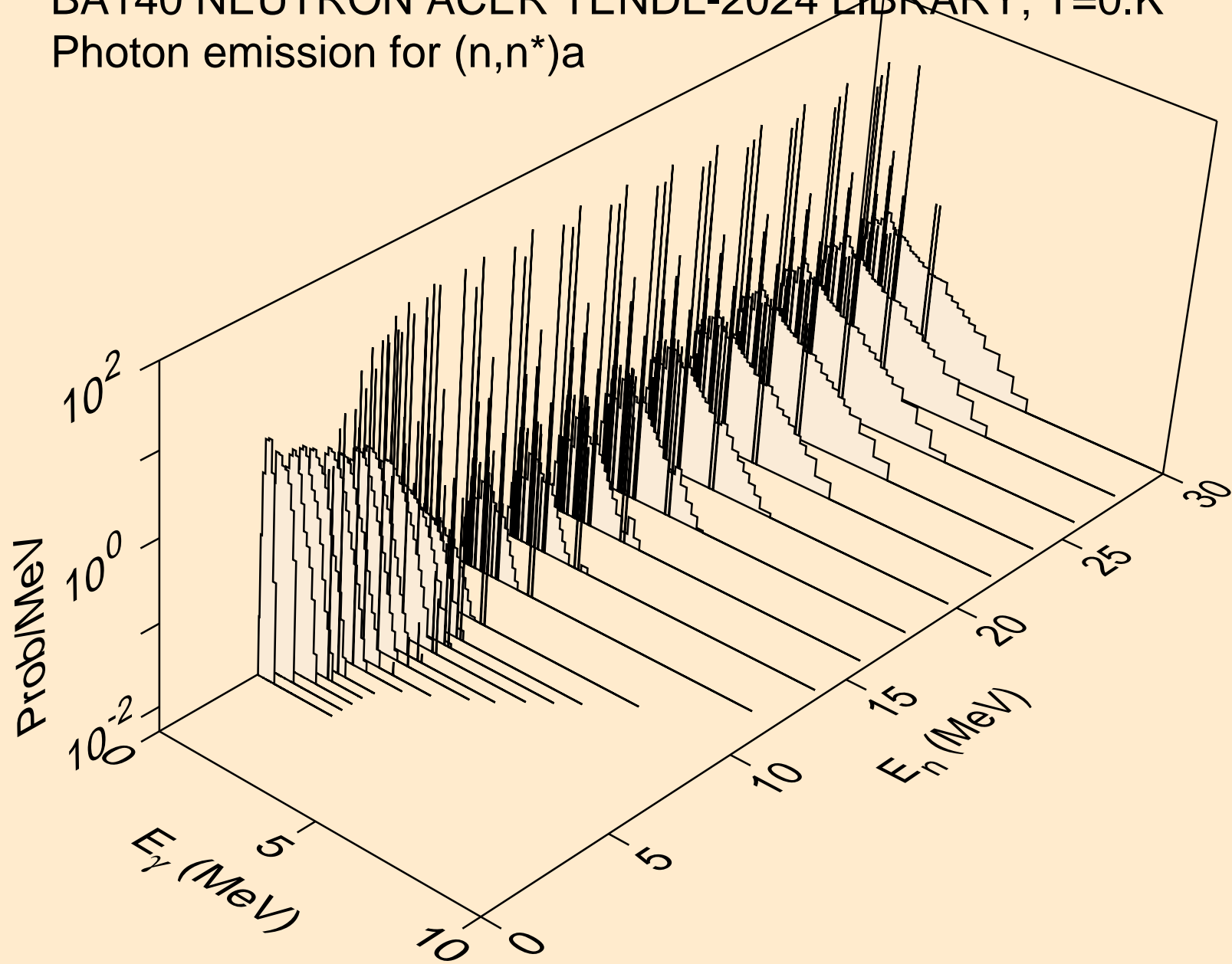


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Photon emission for (n,3n)

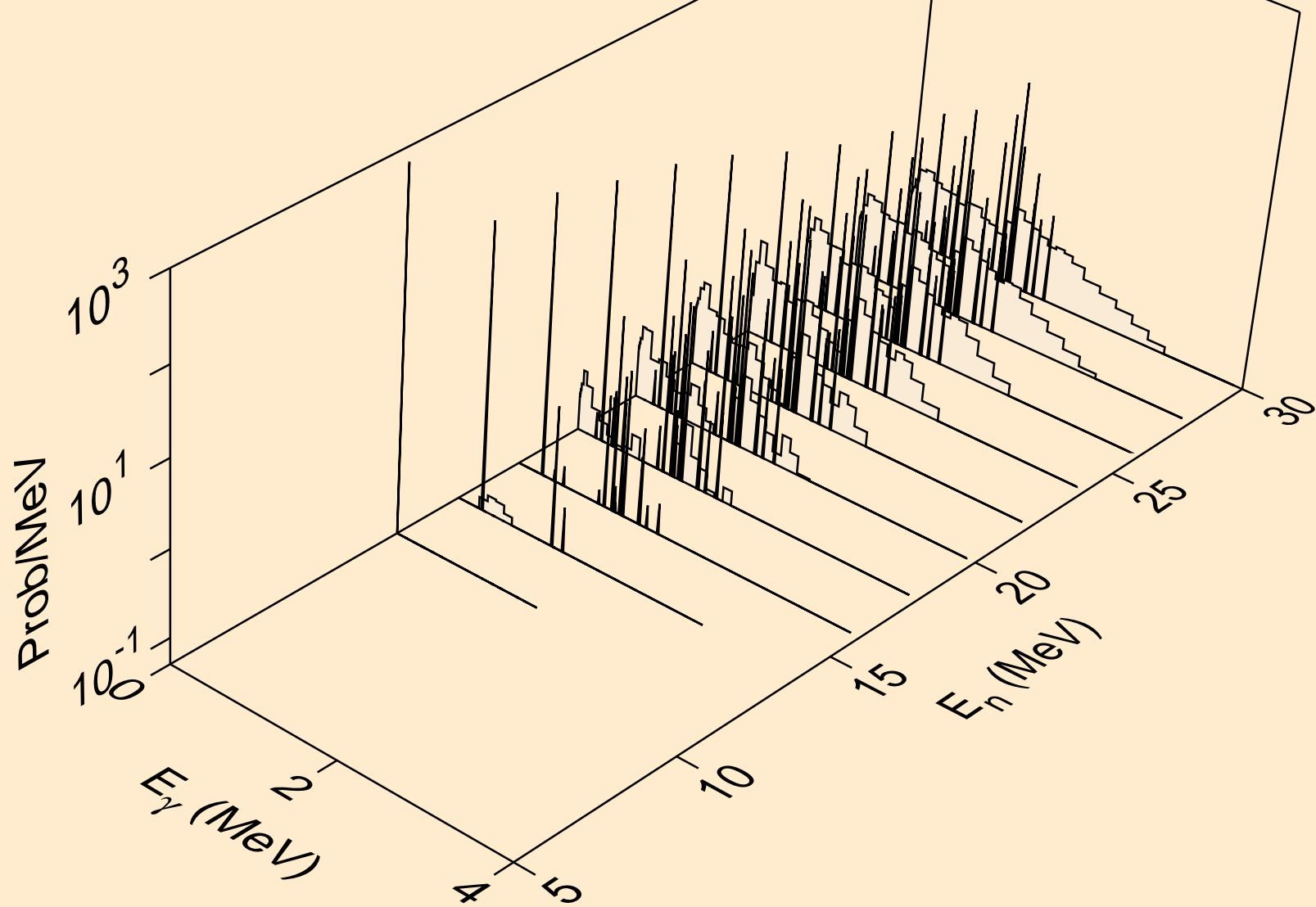




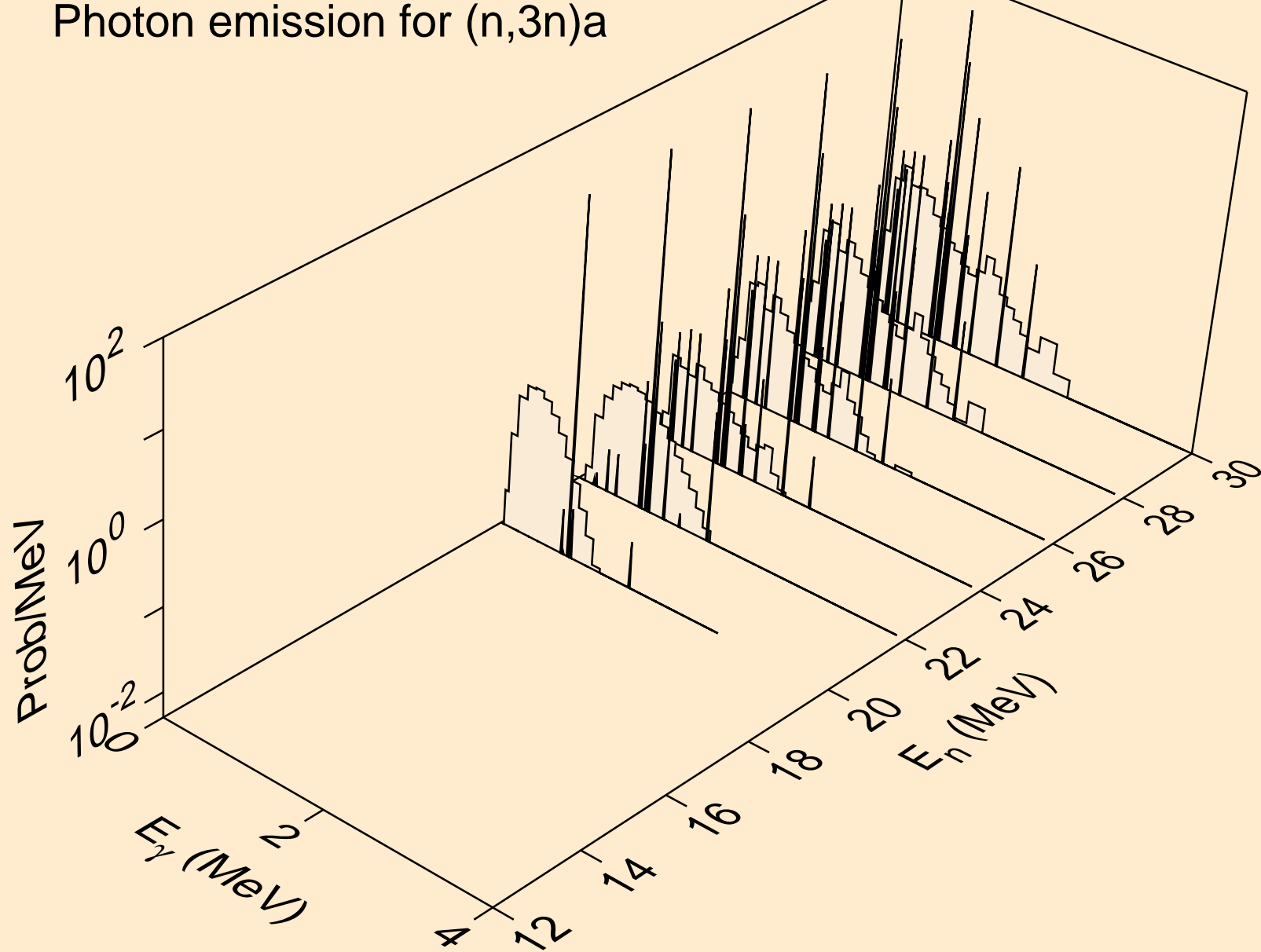
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



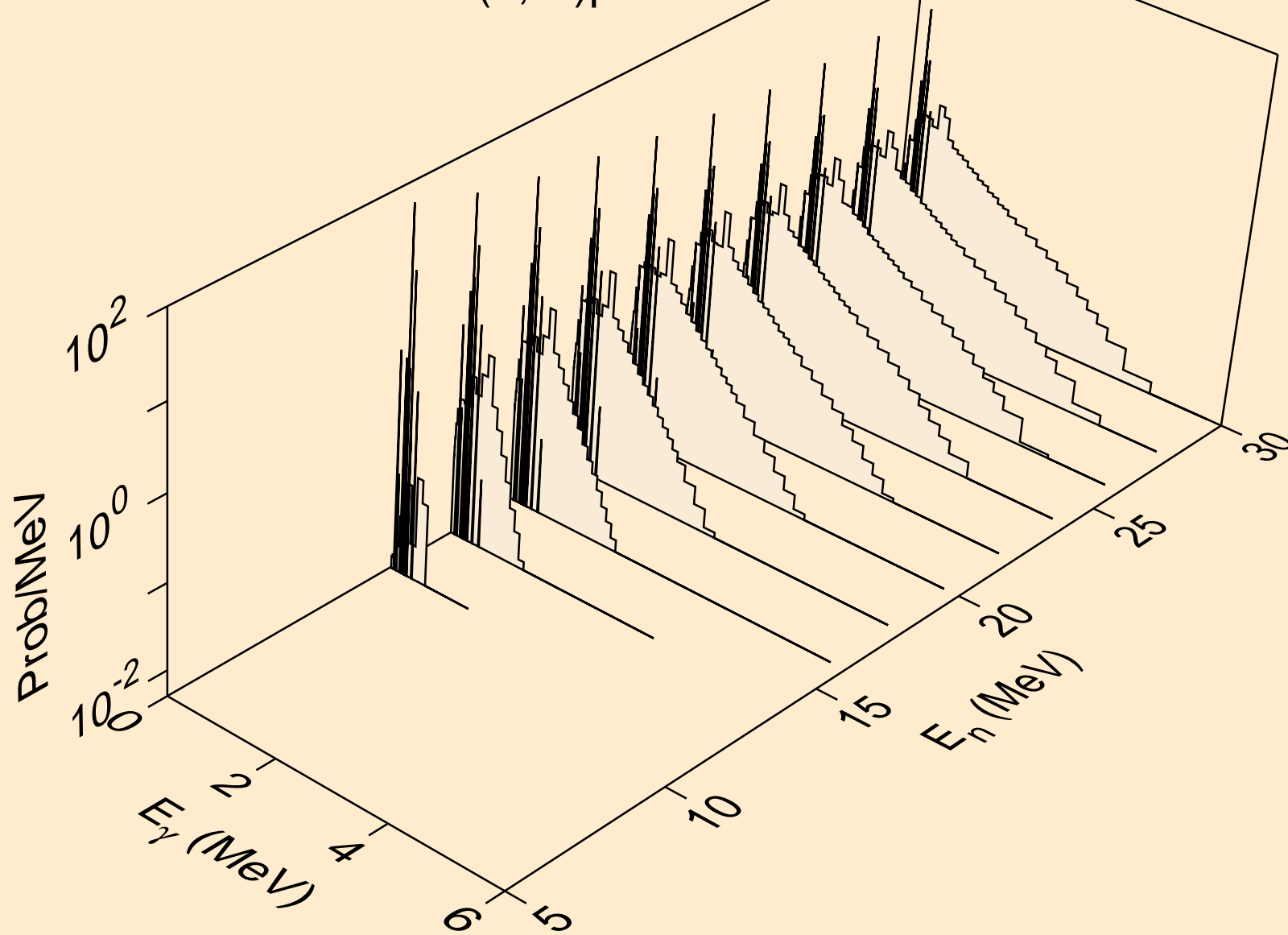
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



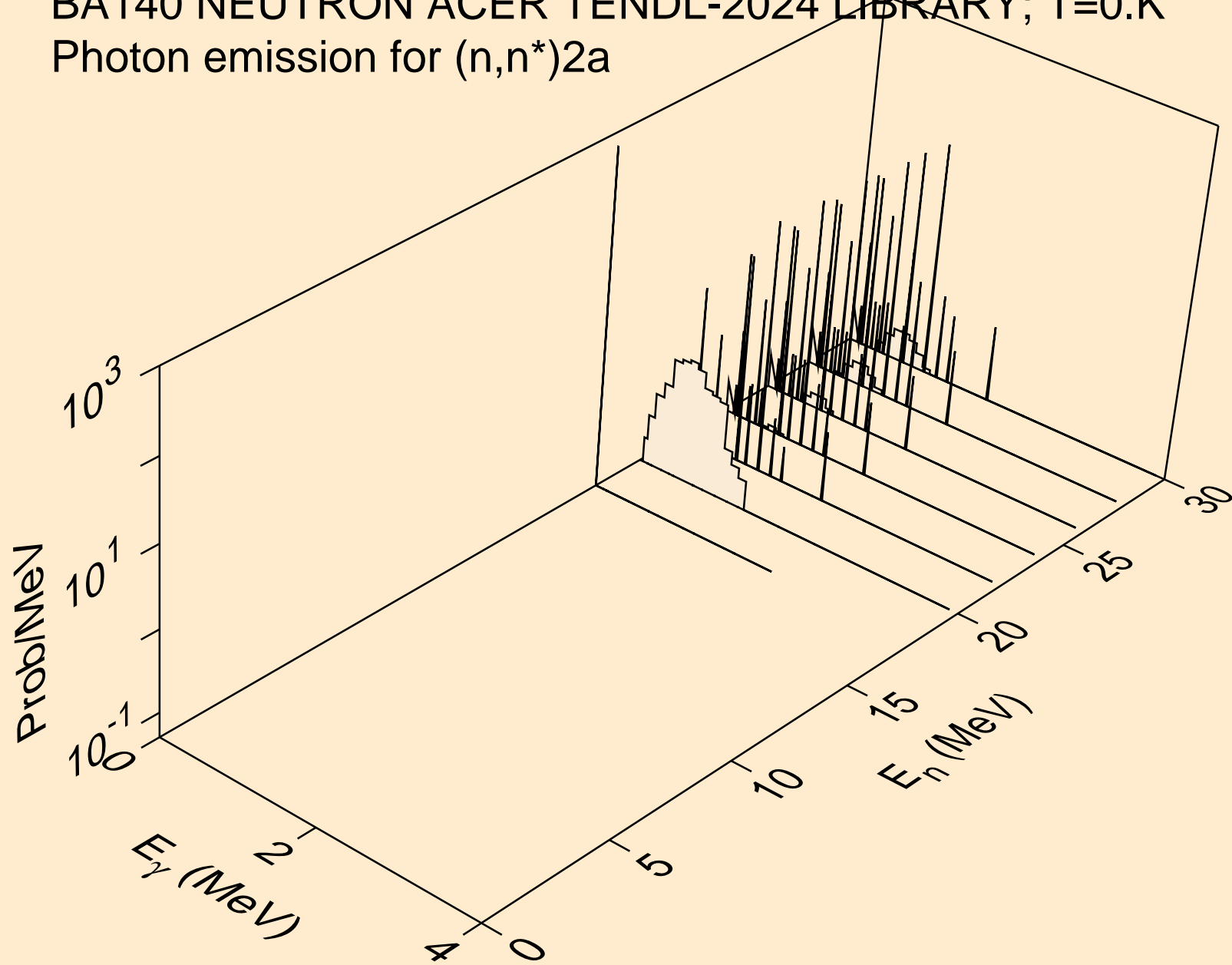
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Photon emission for (n,3n)a



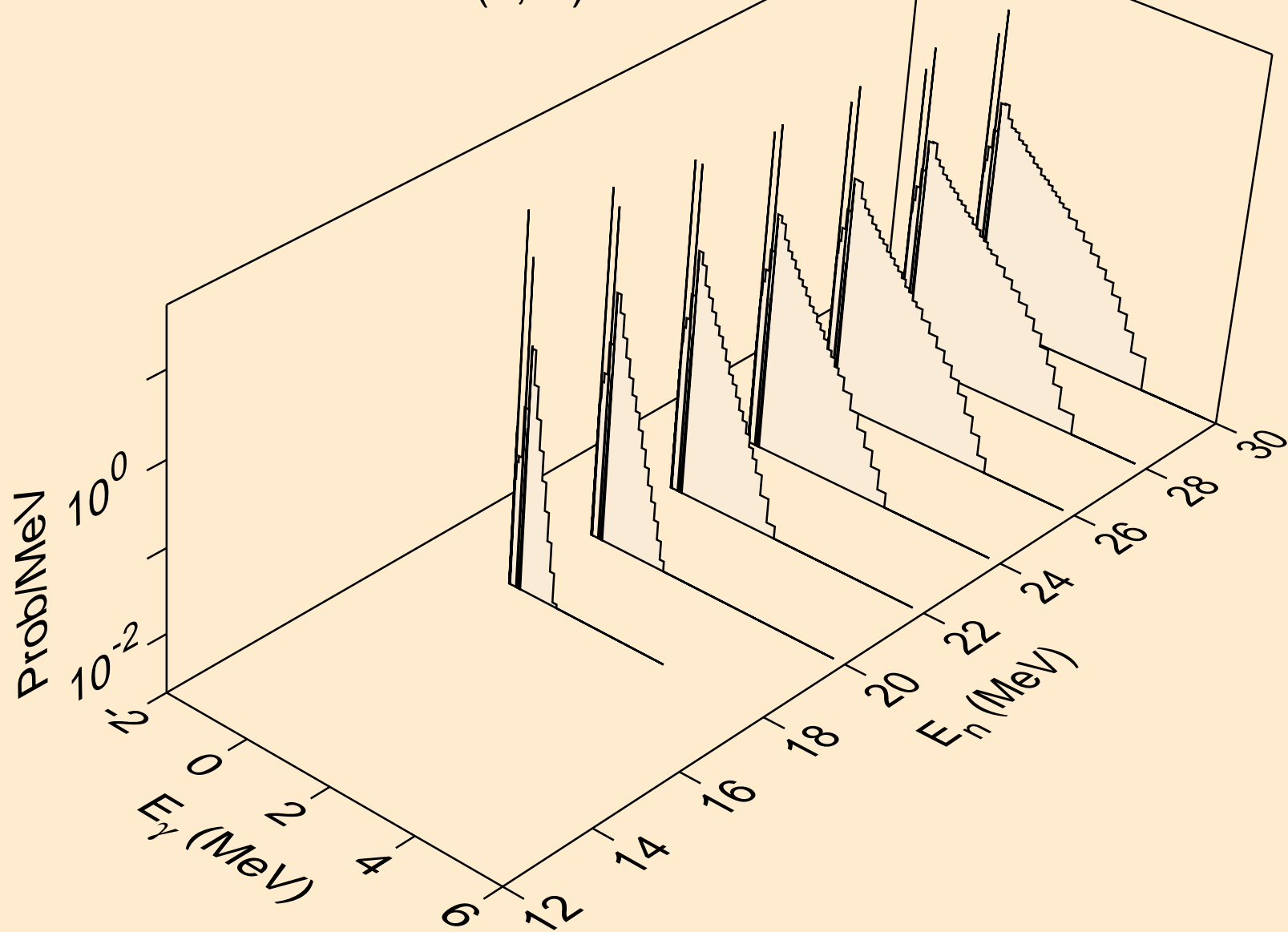
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



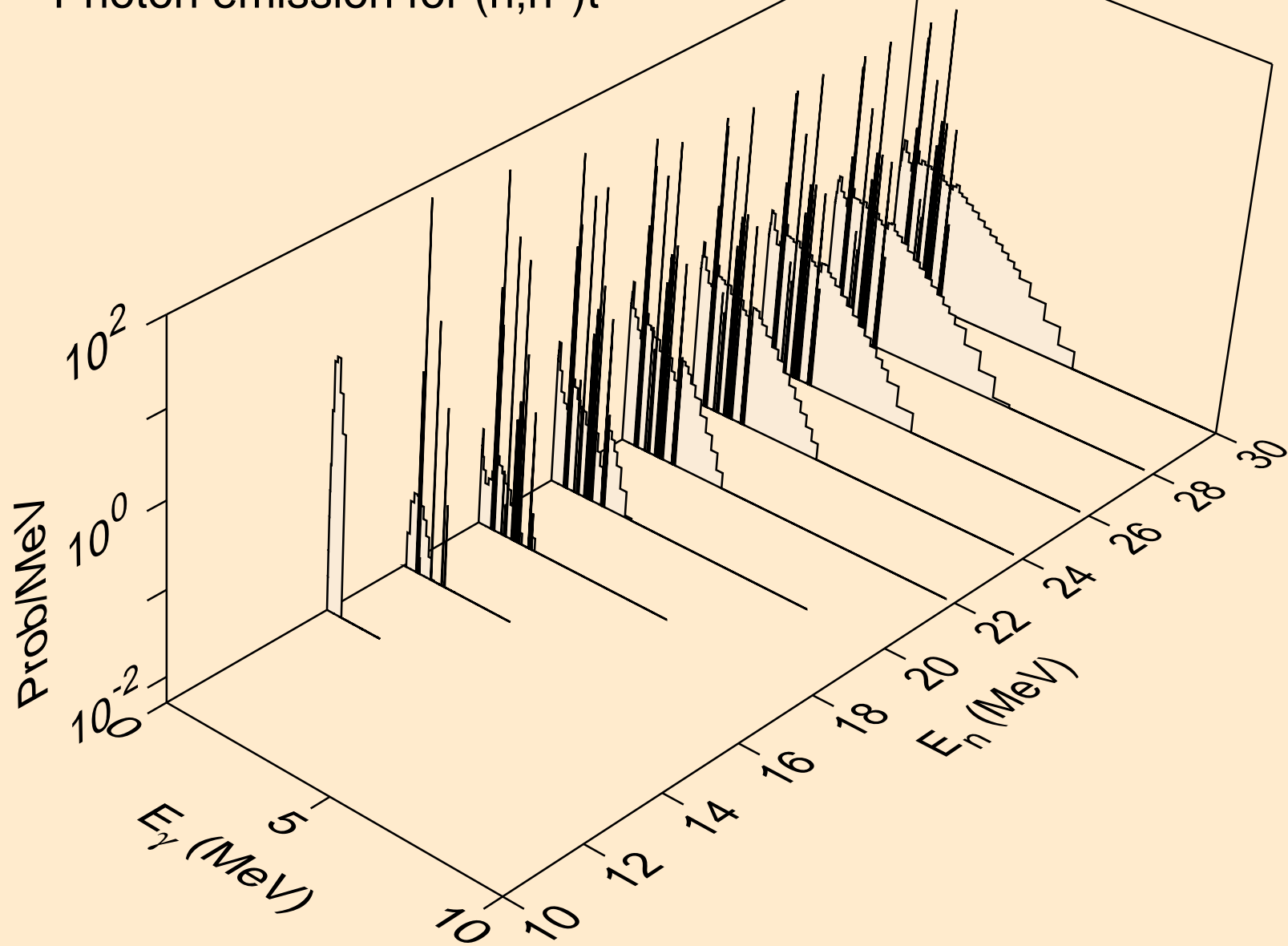
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Photon emission for (n,n\*)2a



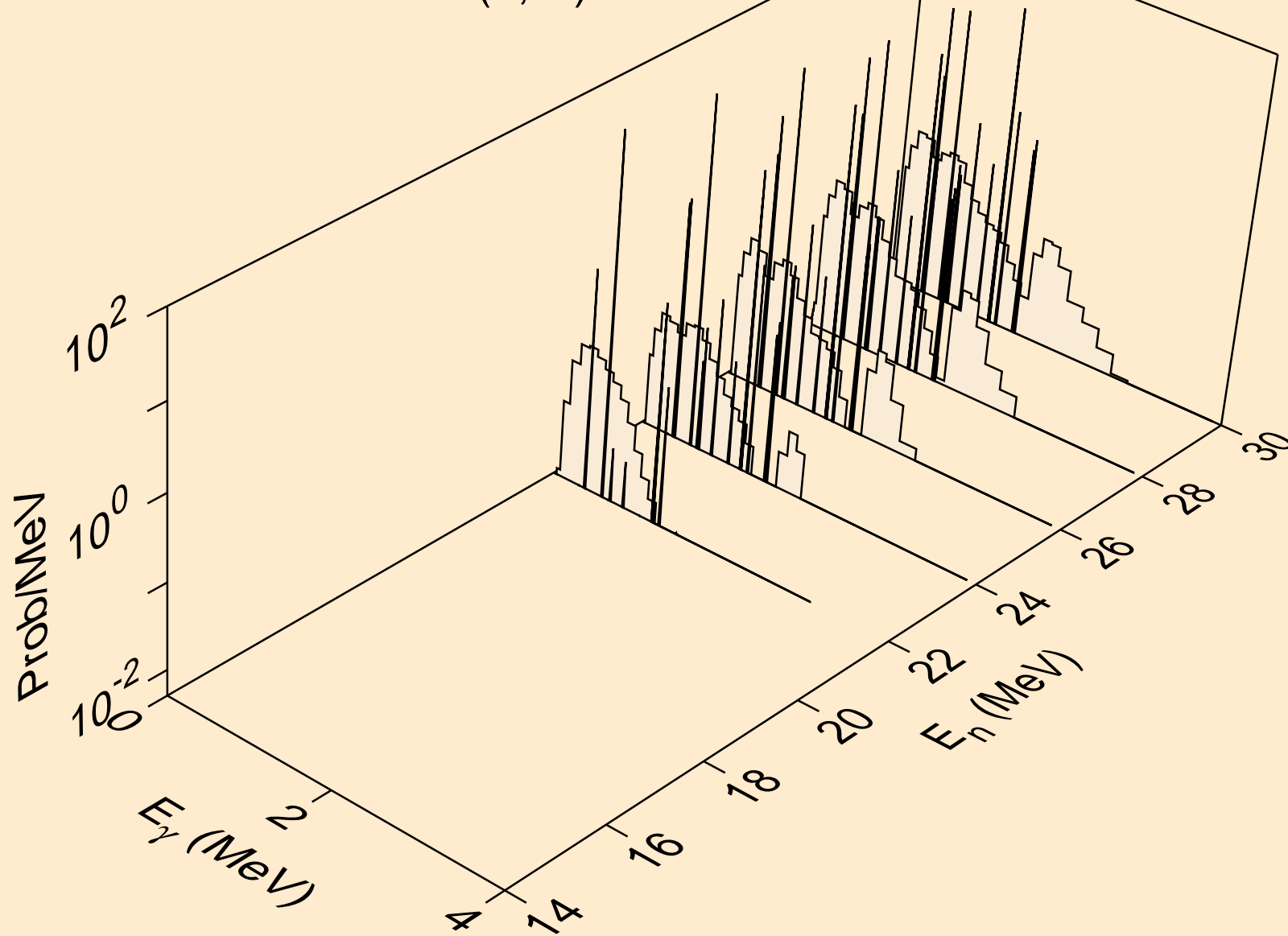
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

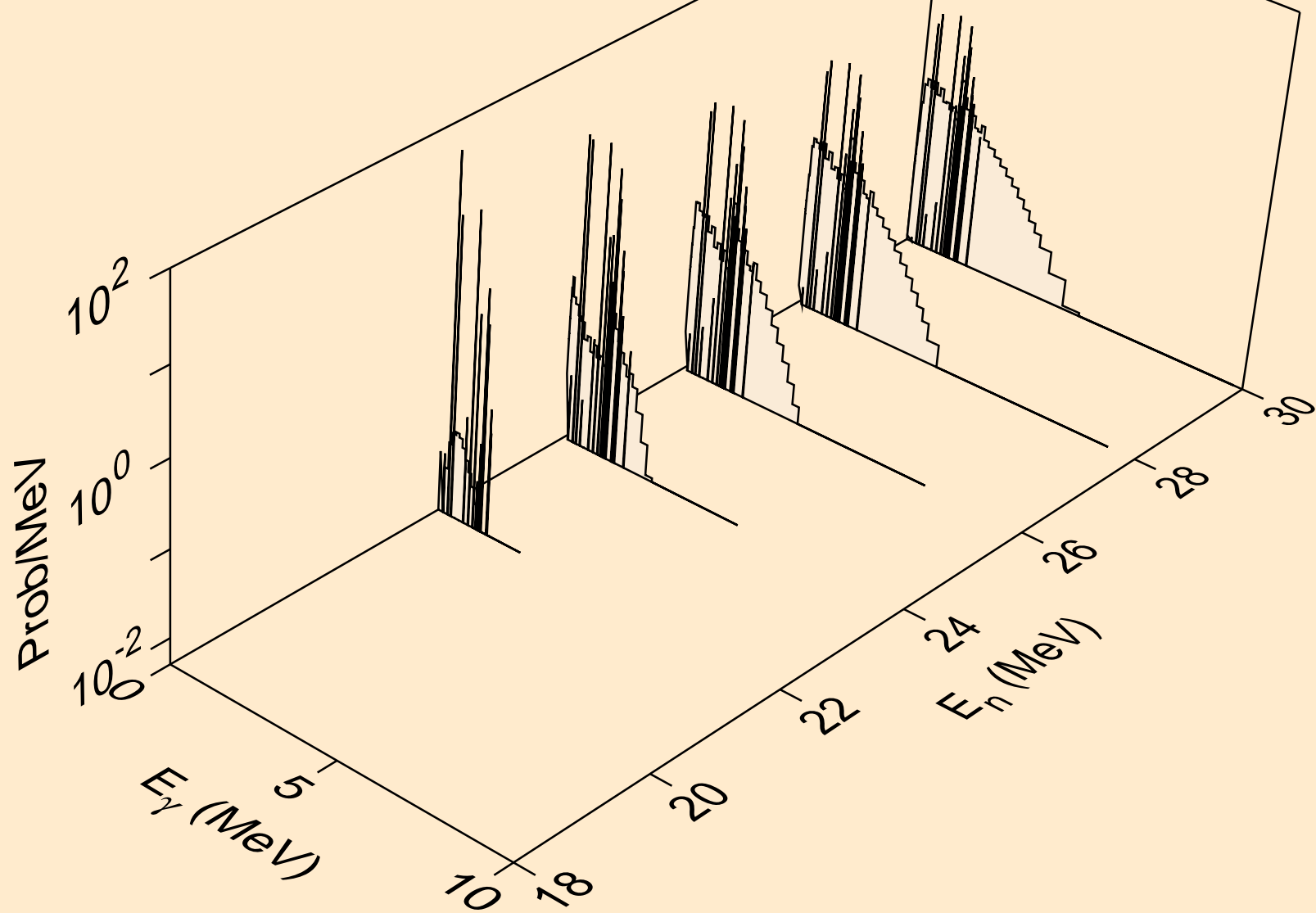


BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

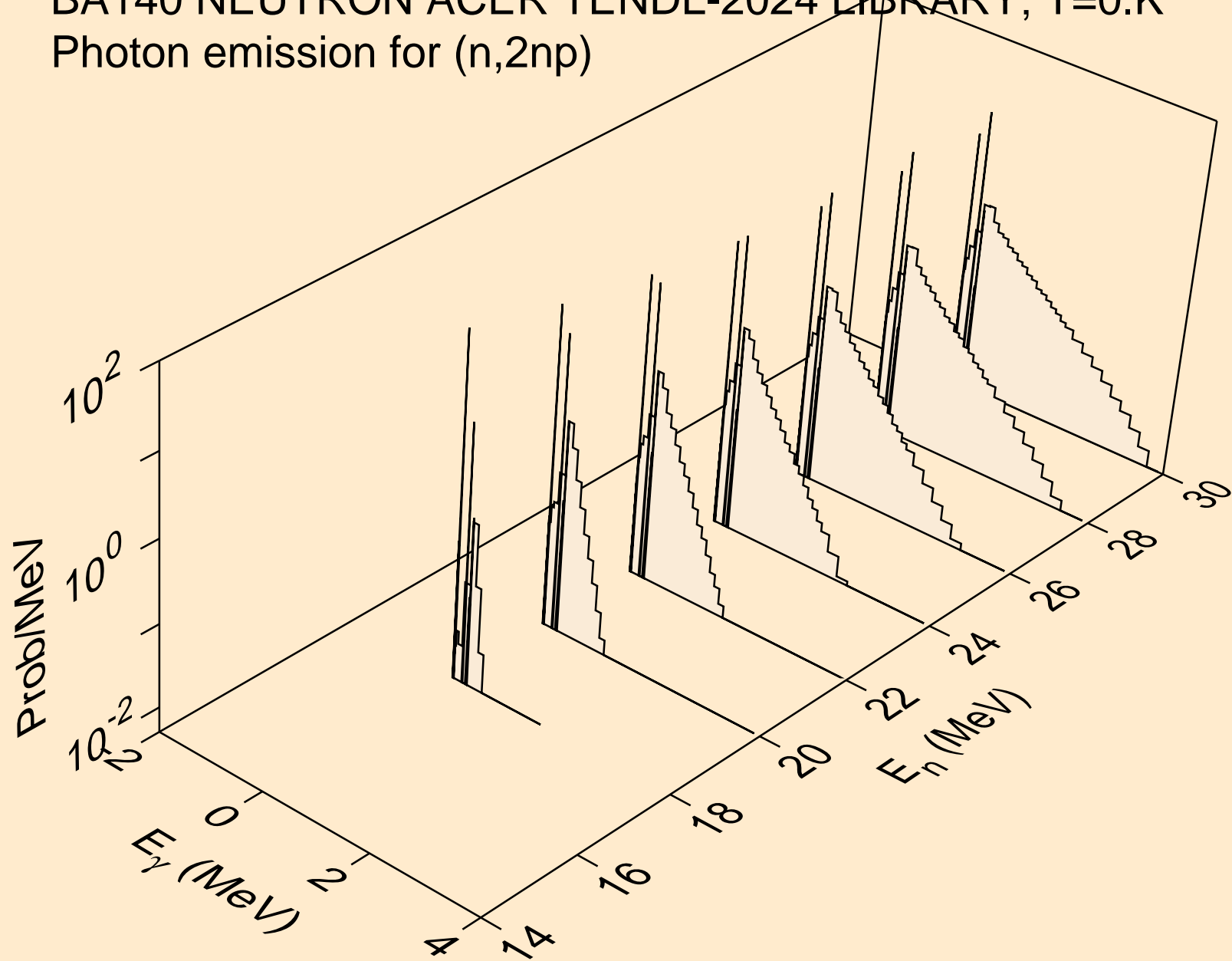




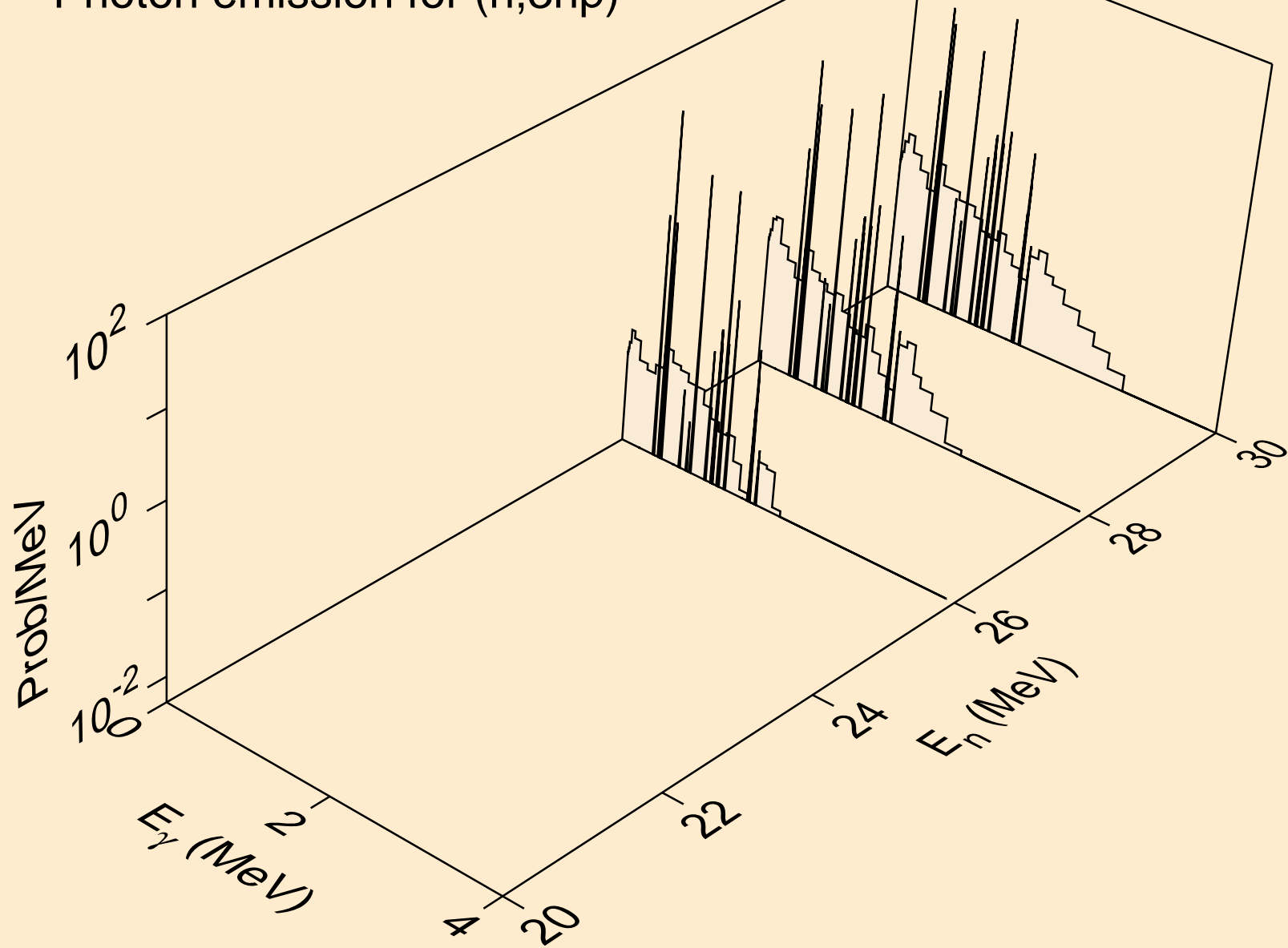
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



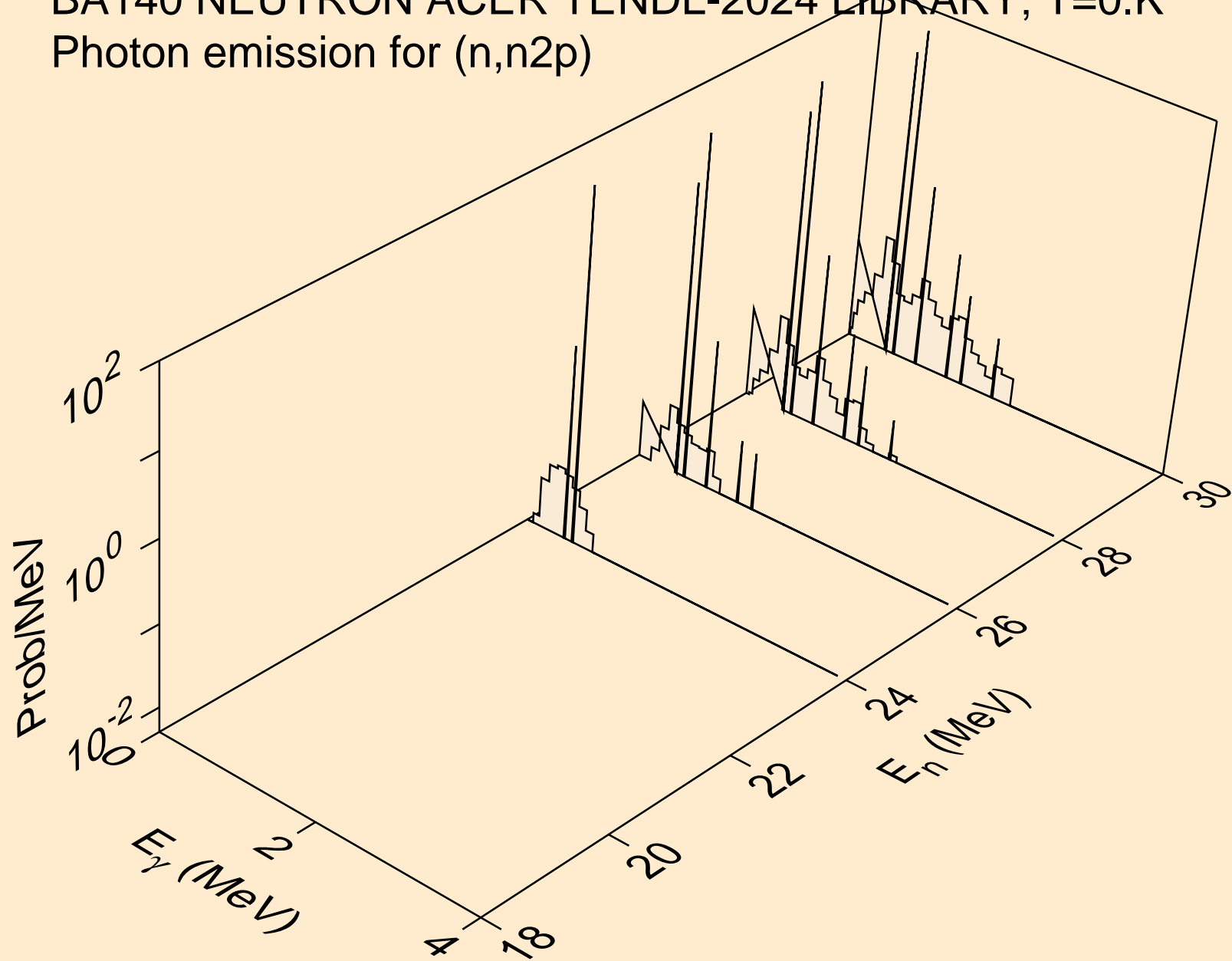
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Photon emission for (n,2np)



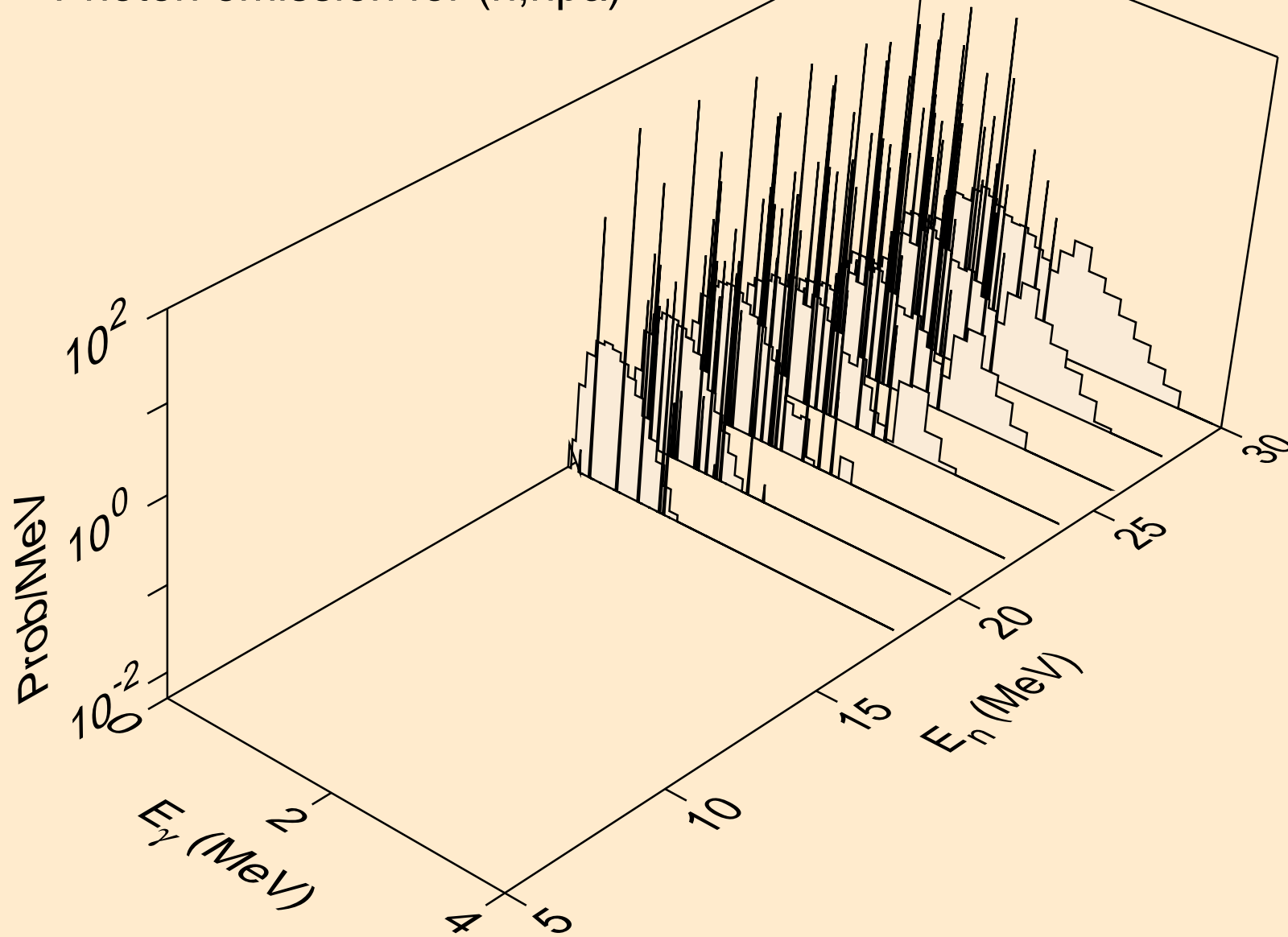
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Photon emission for (n,3np)



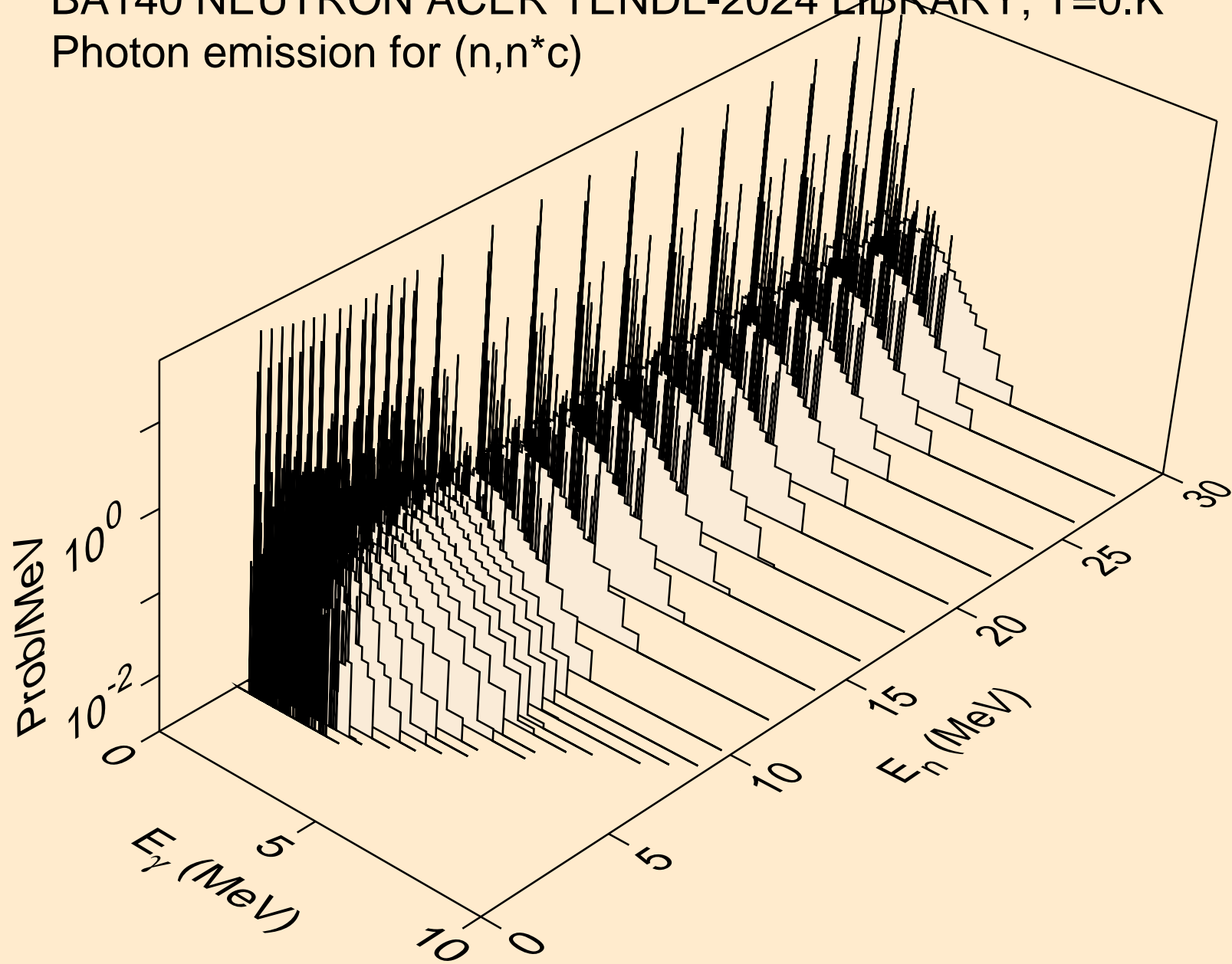
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



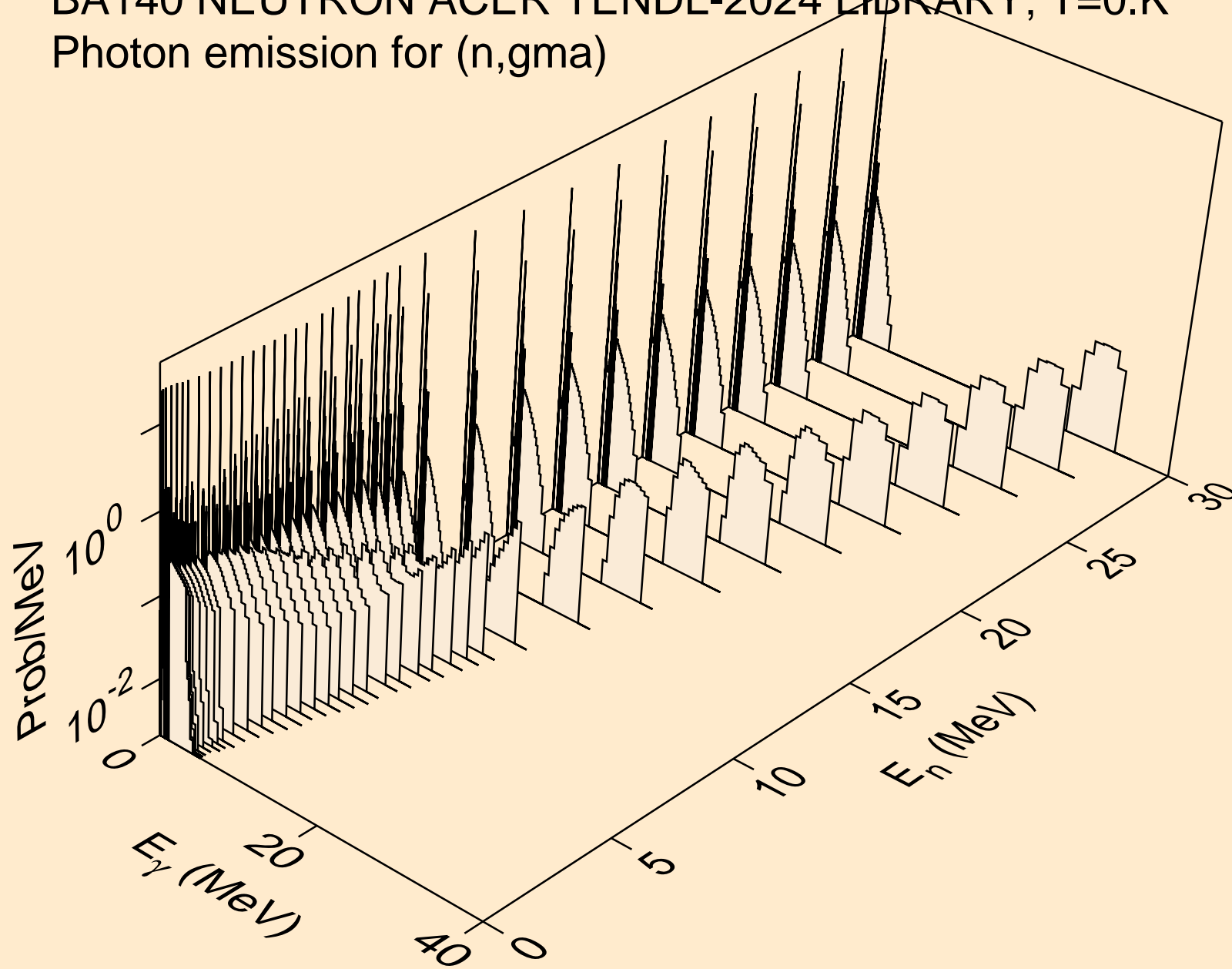
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Photon emission for (n,npa)



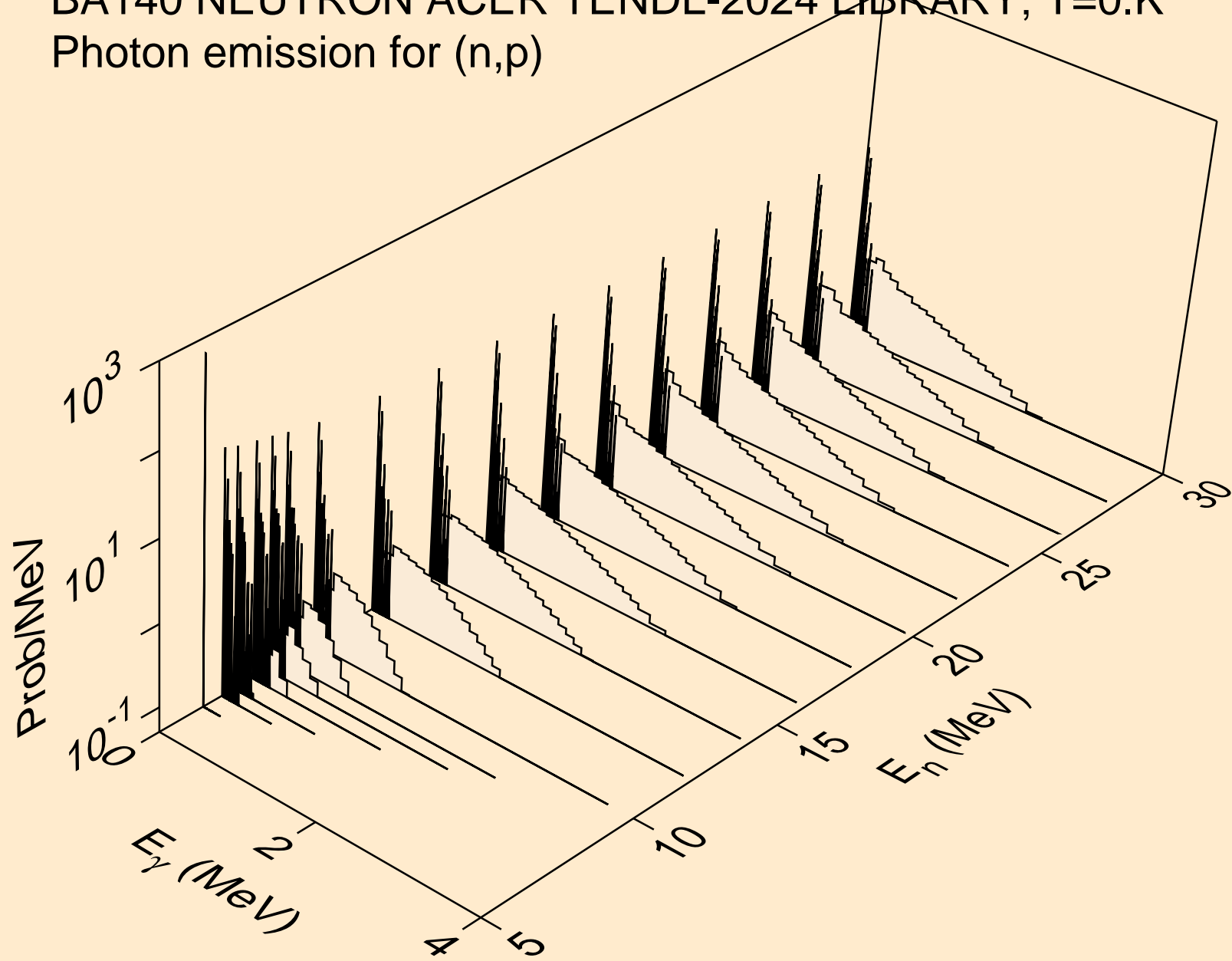
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)

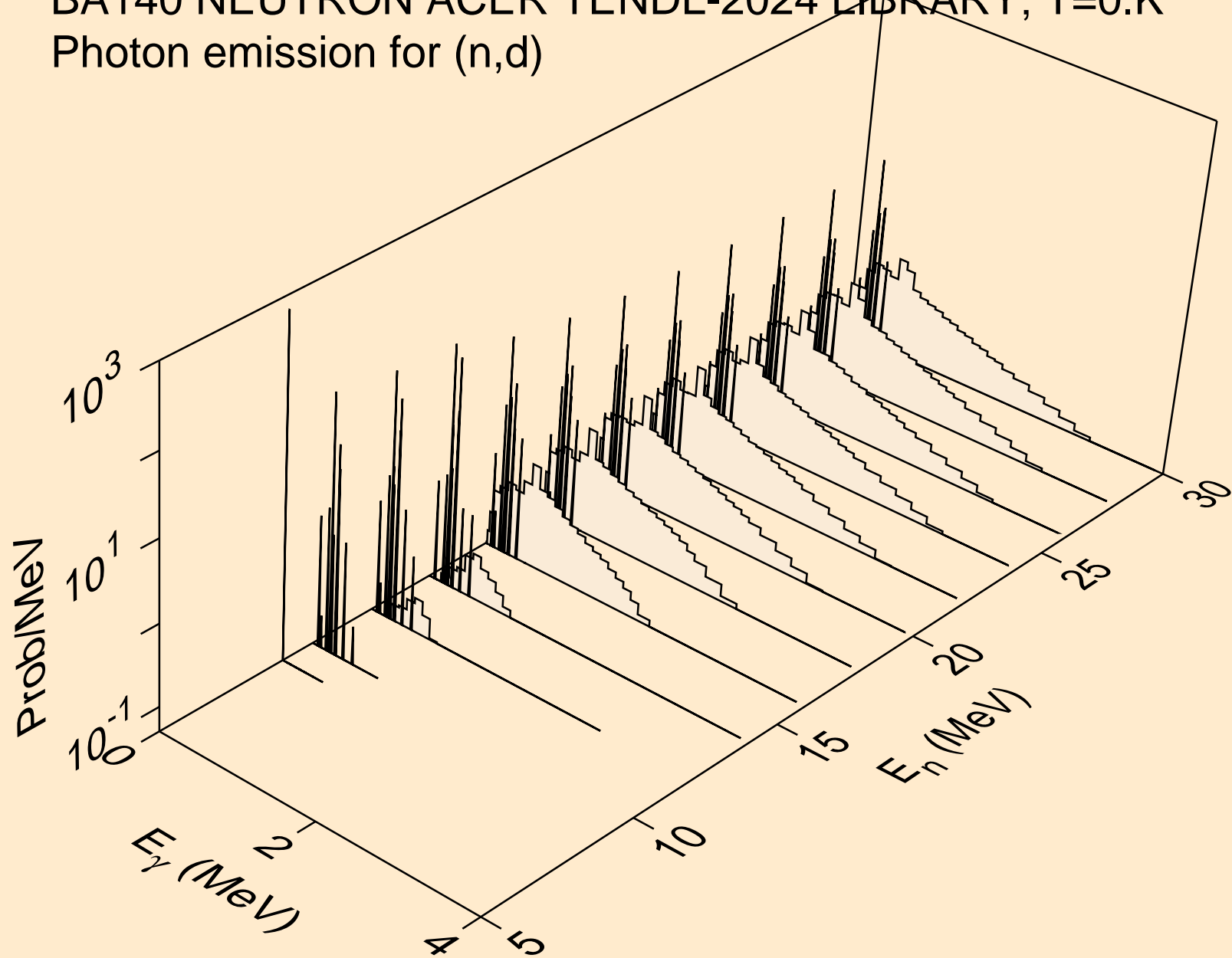


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Photon emission for (n,p)

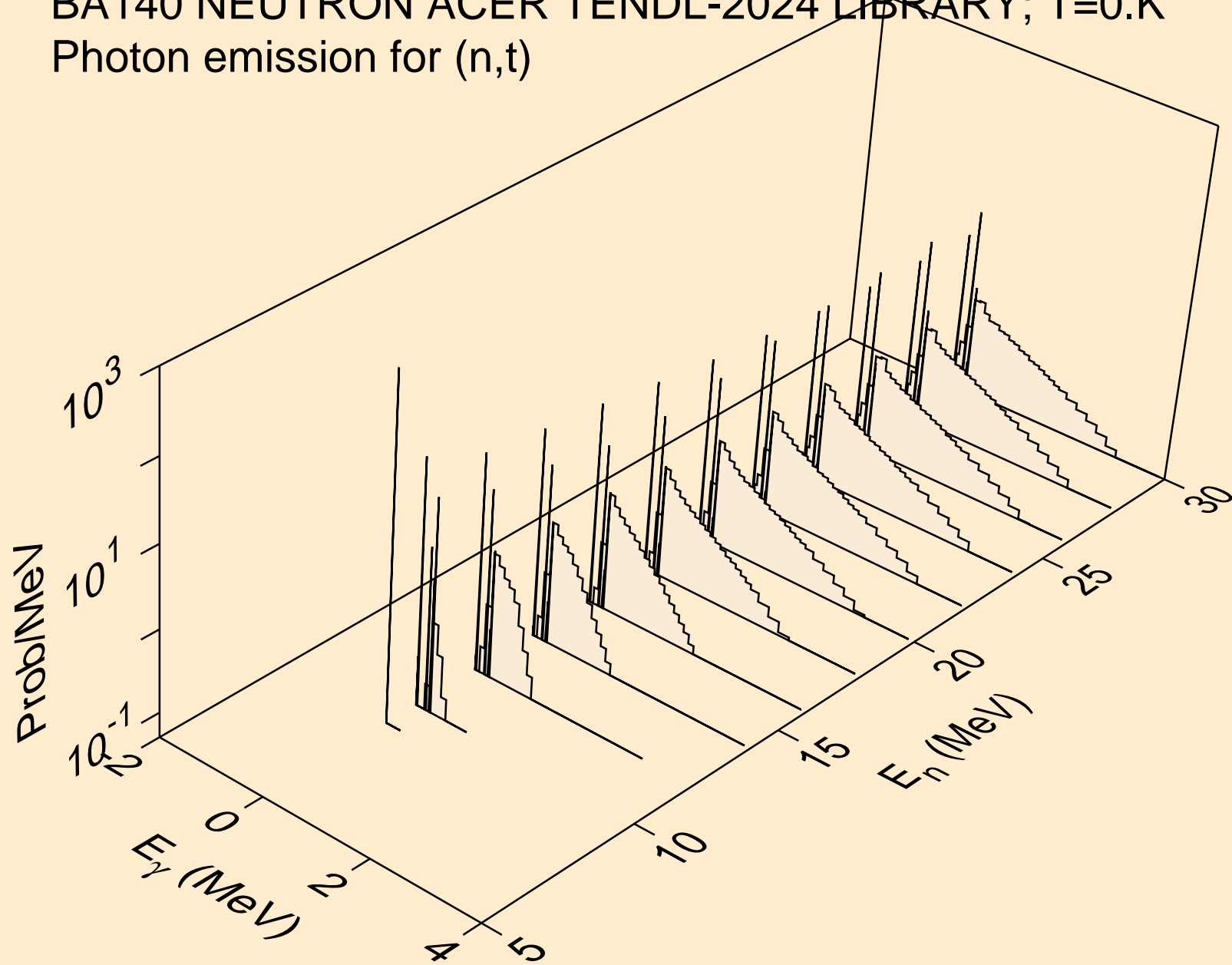




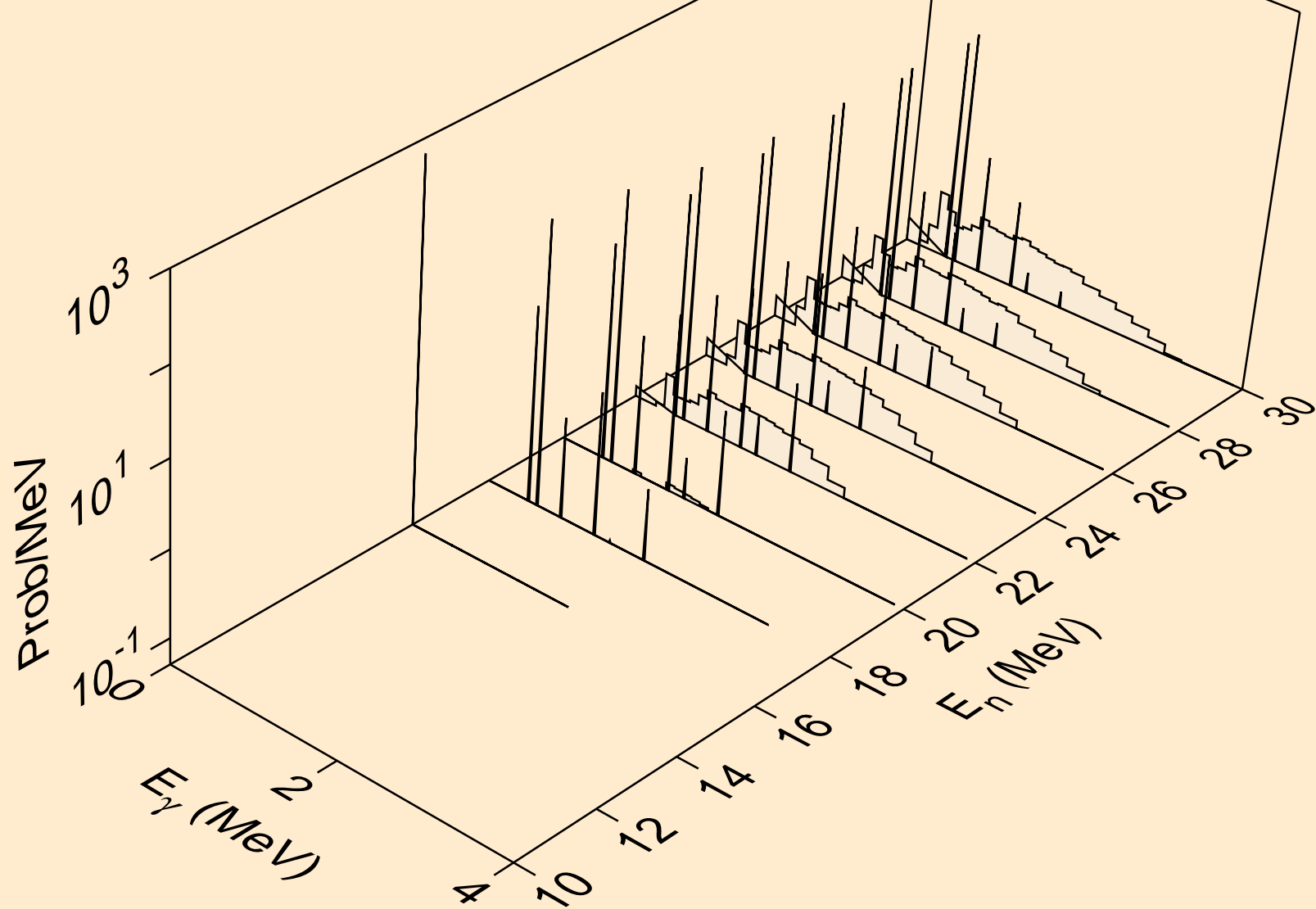
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Photon emission for (n,d)



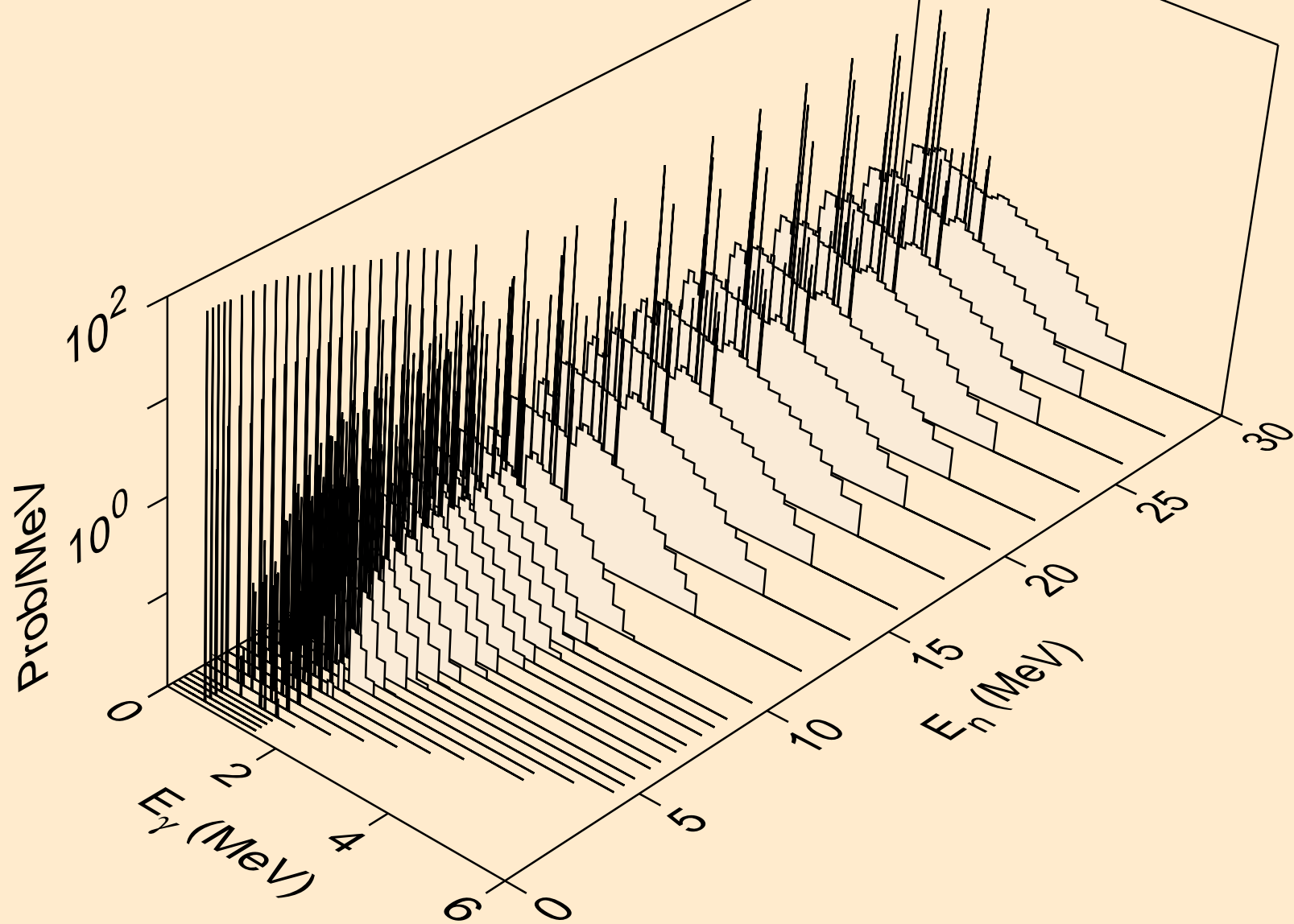
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Photon emission for (n,t)



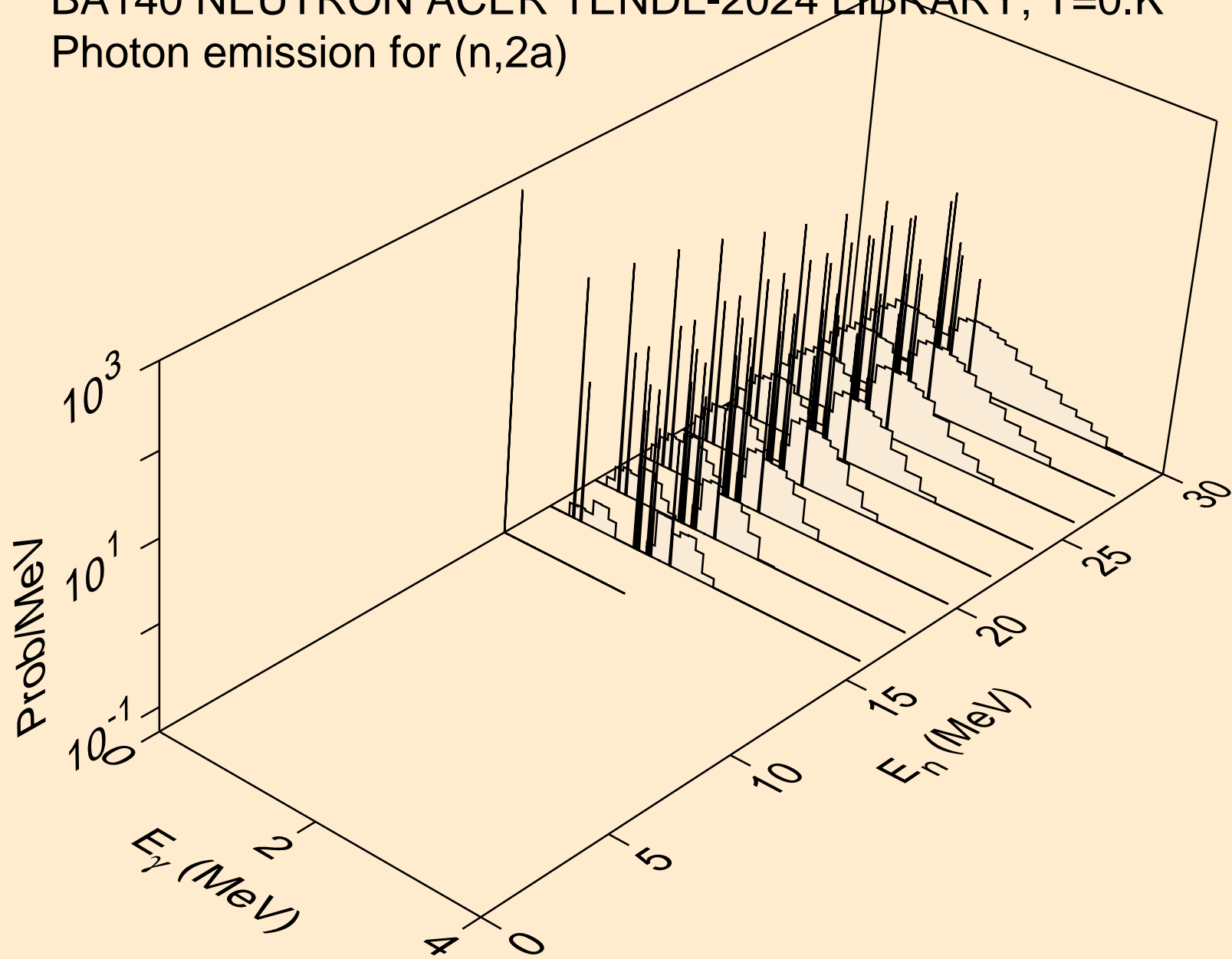
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Photon emission for (n,he3)



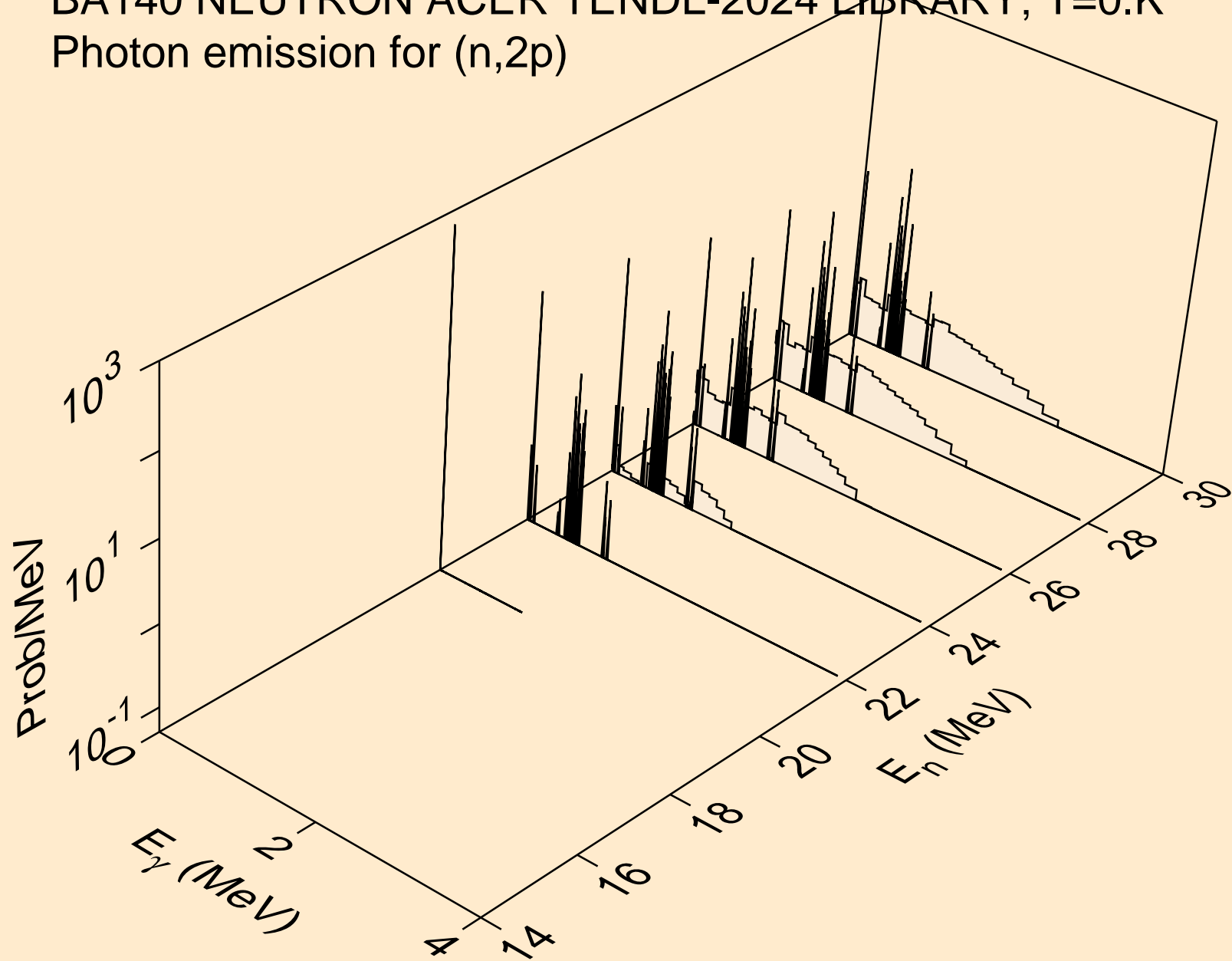
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



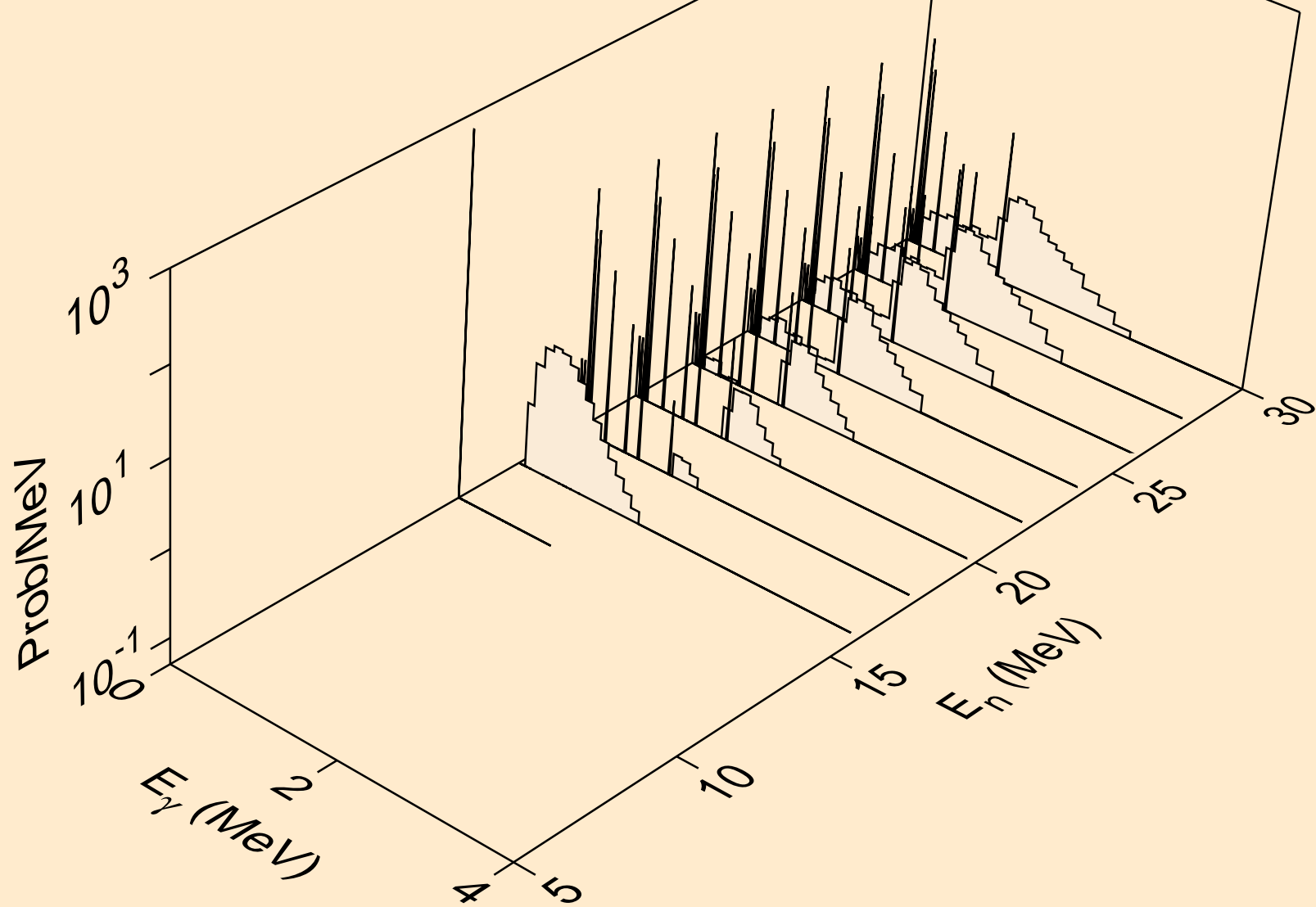
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Photon emission for (n,2a)



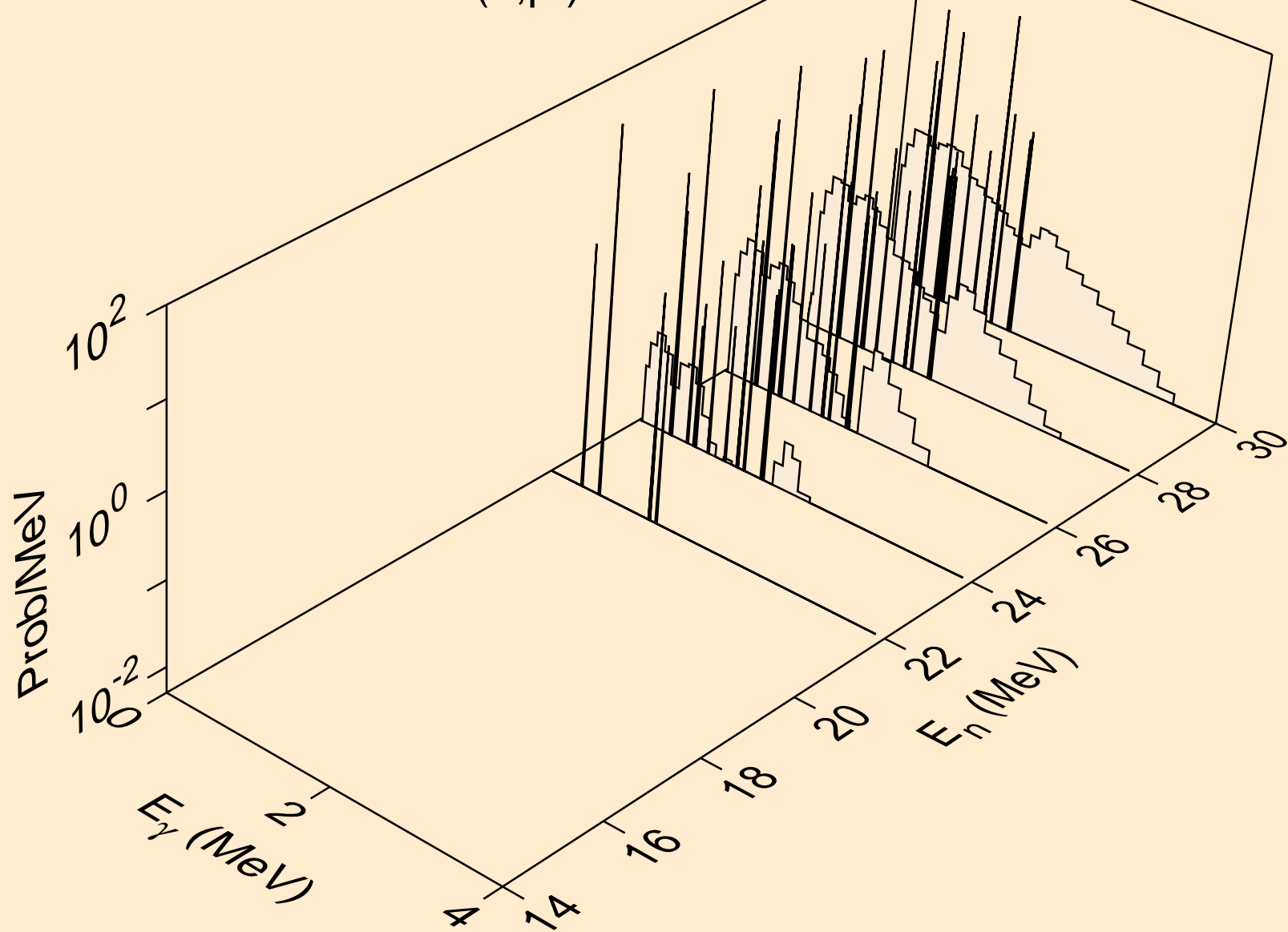
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )

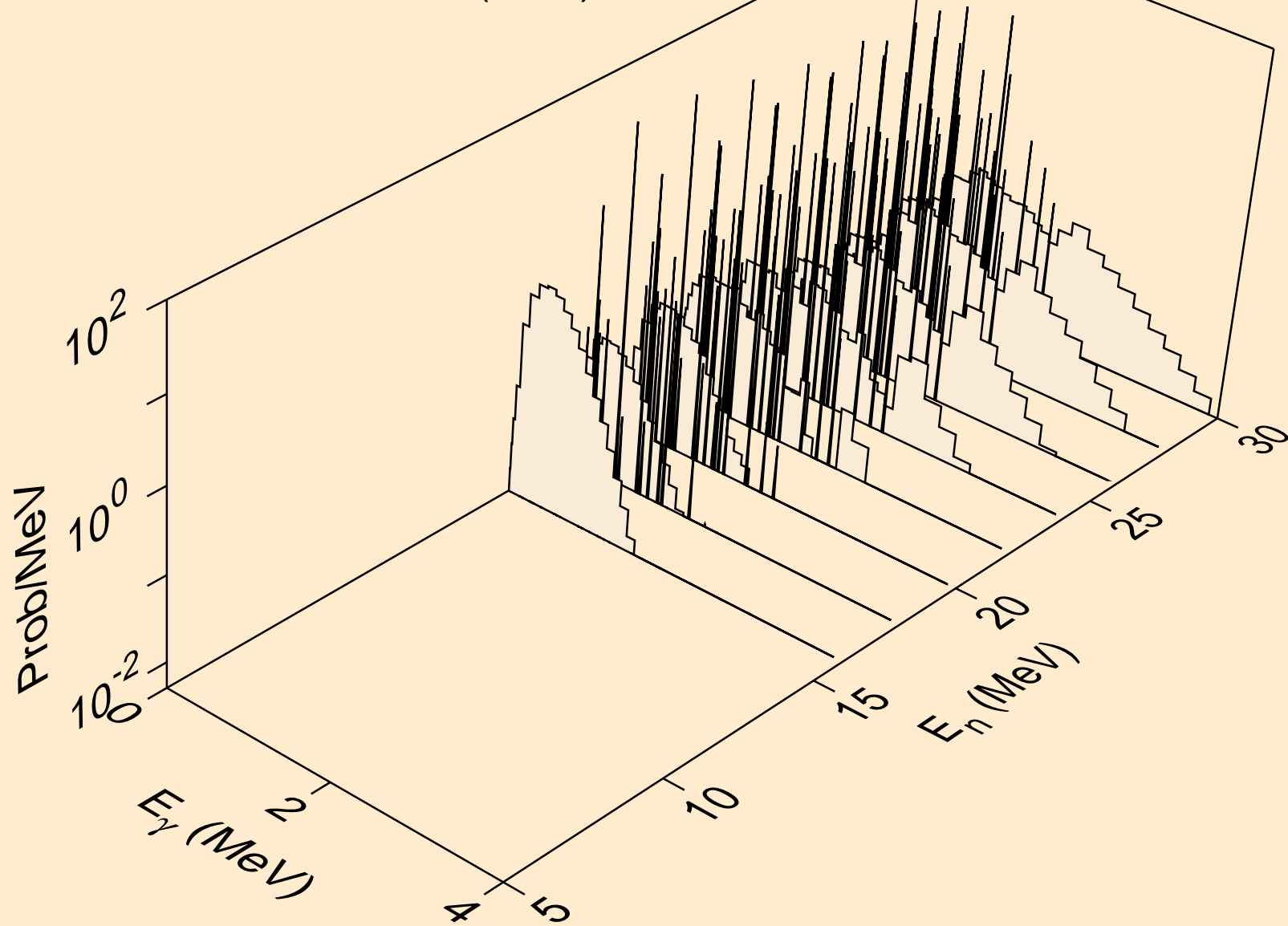


BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)

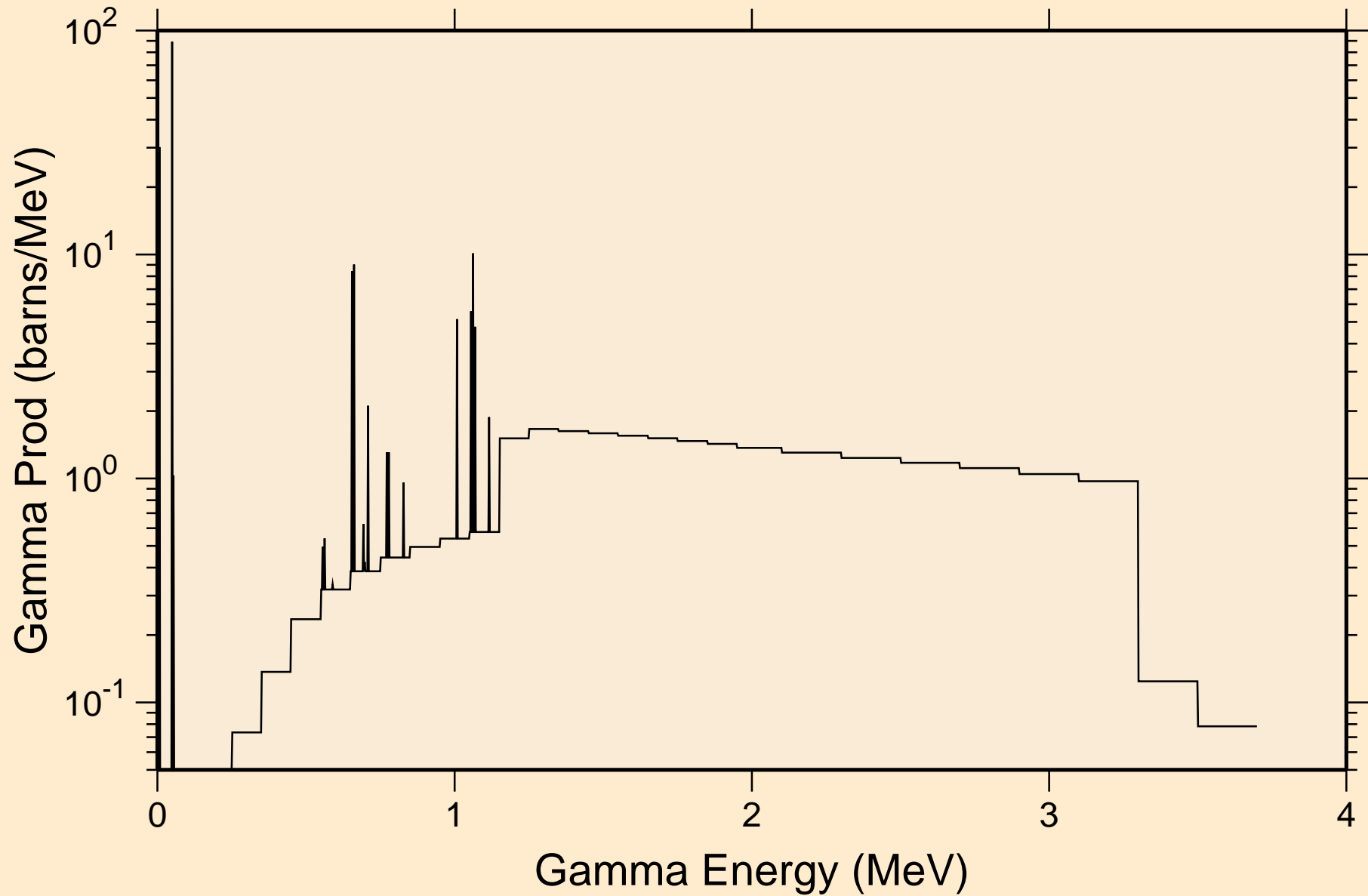




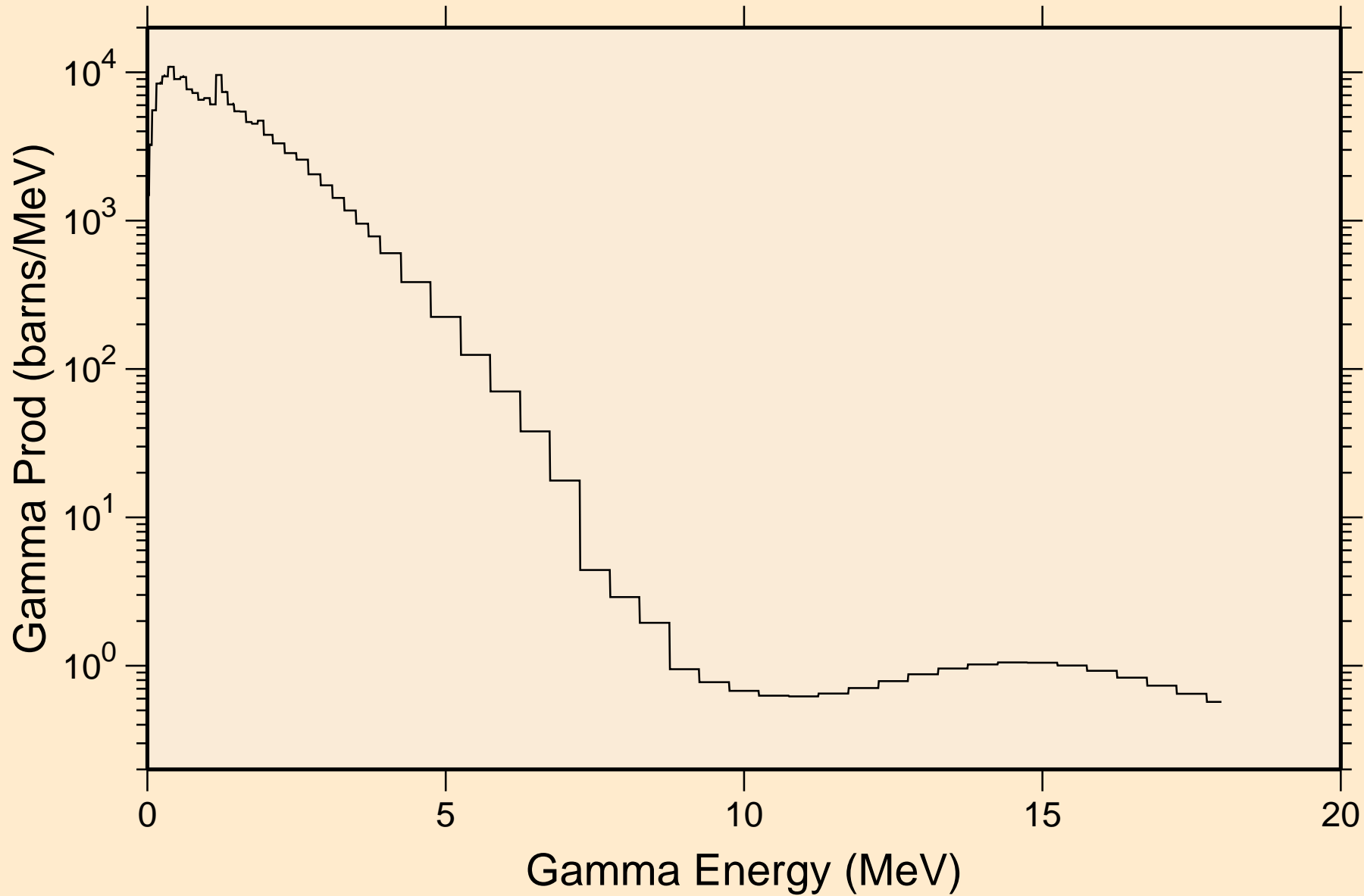
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

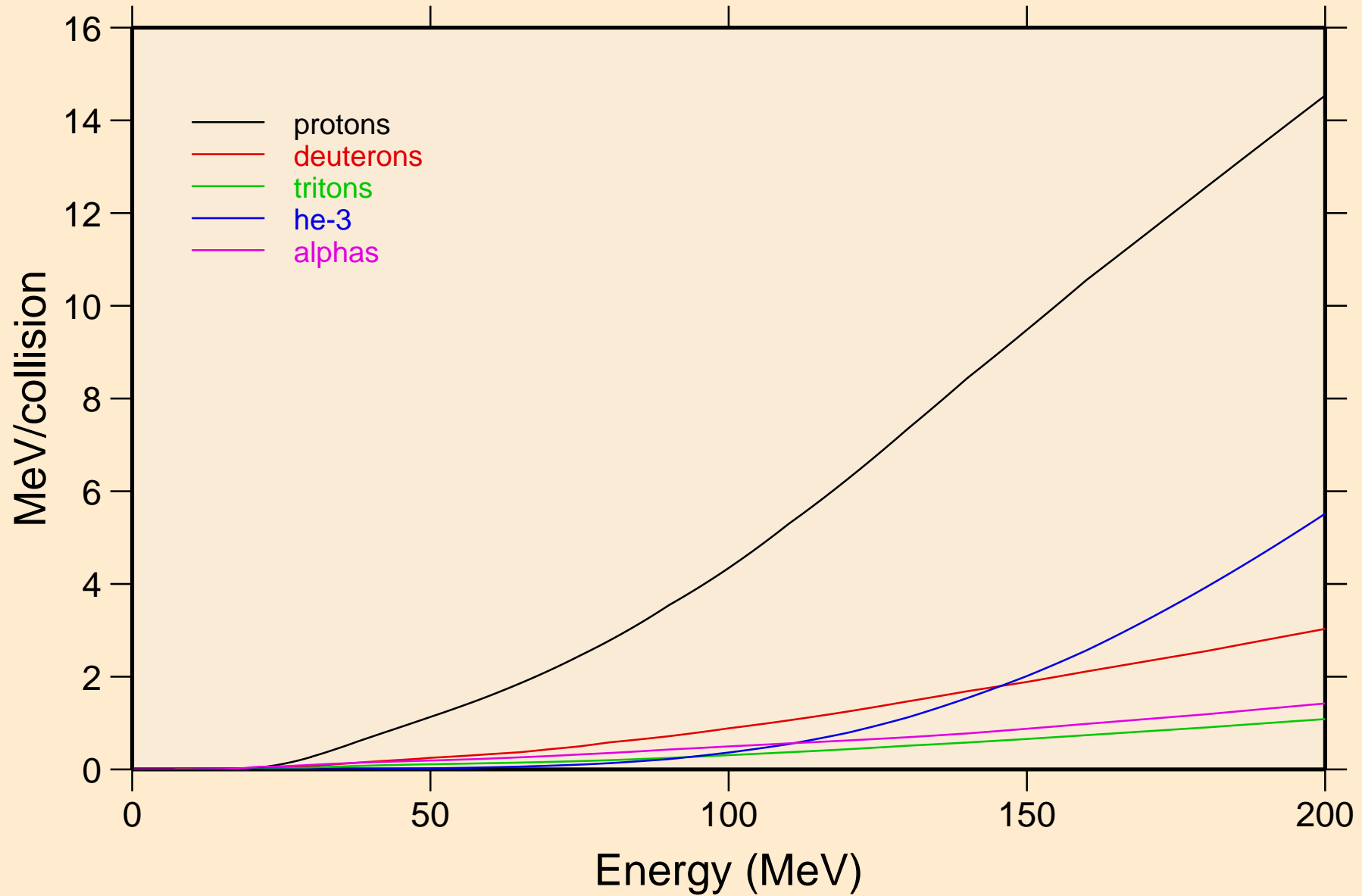


BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum

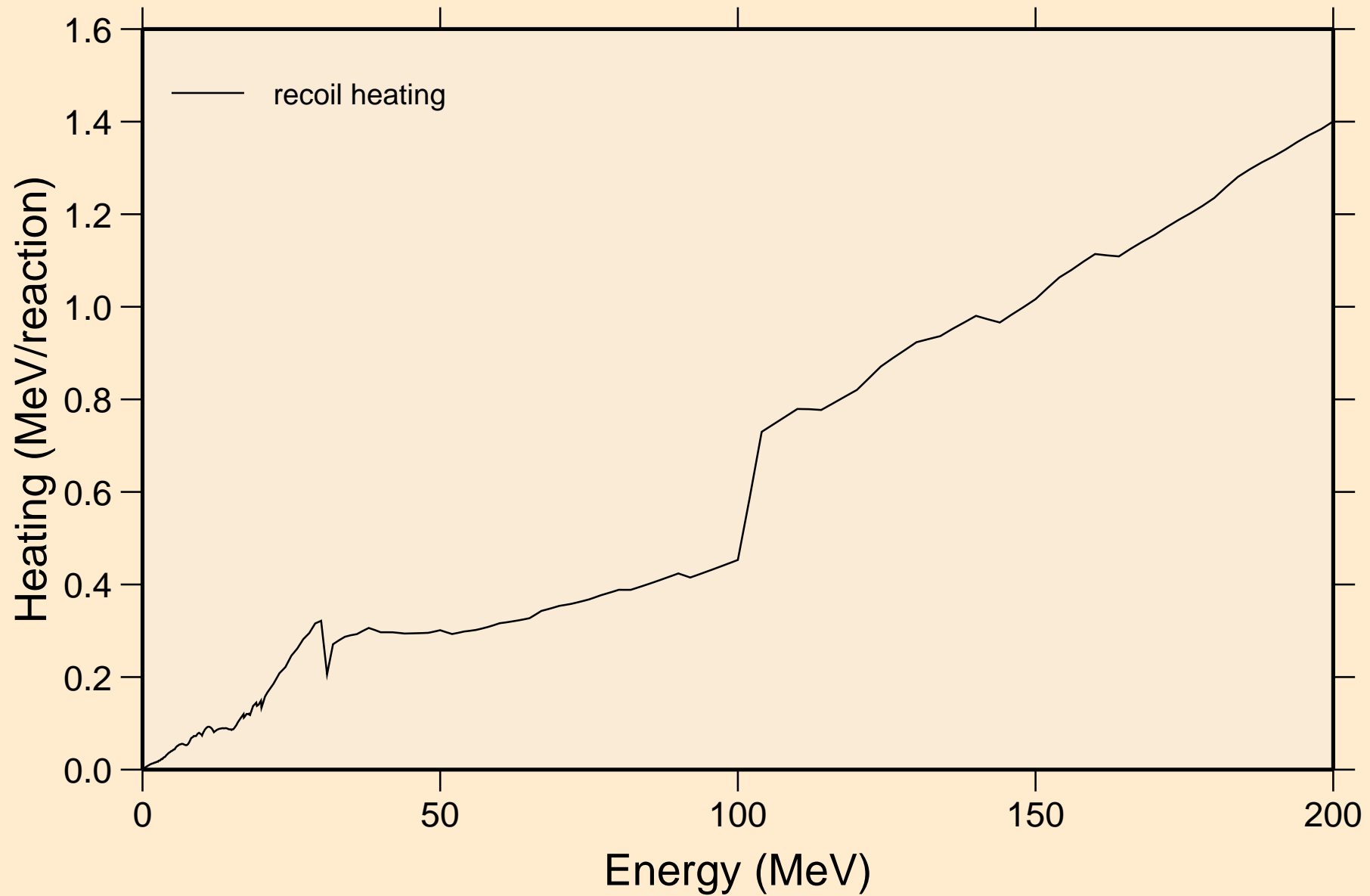


# BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions

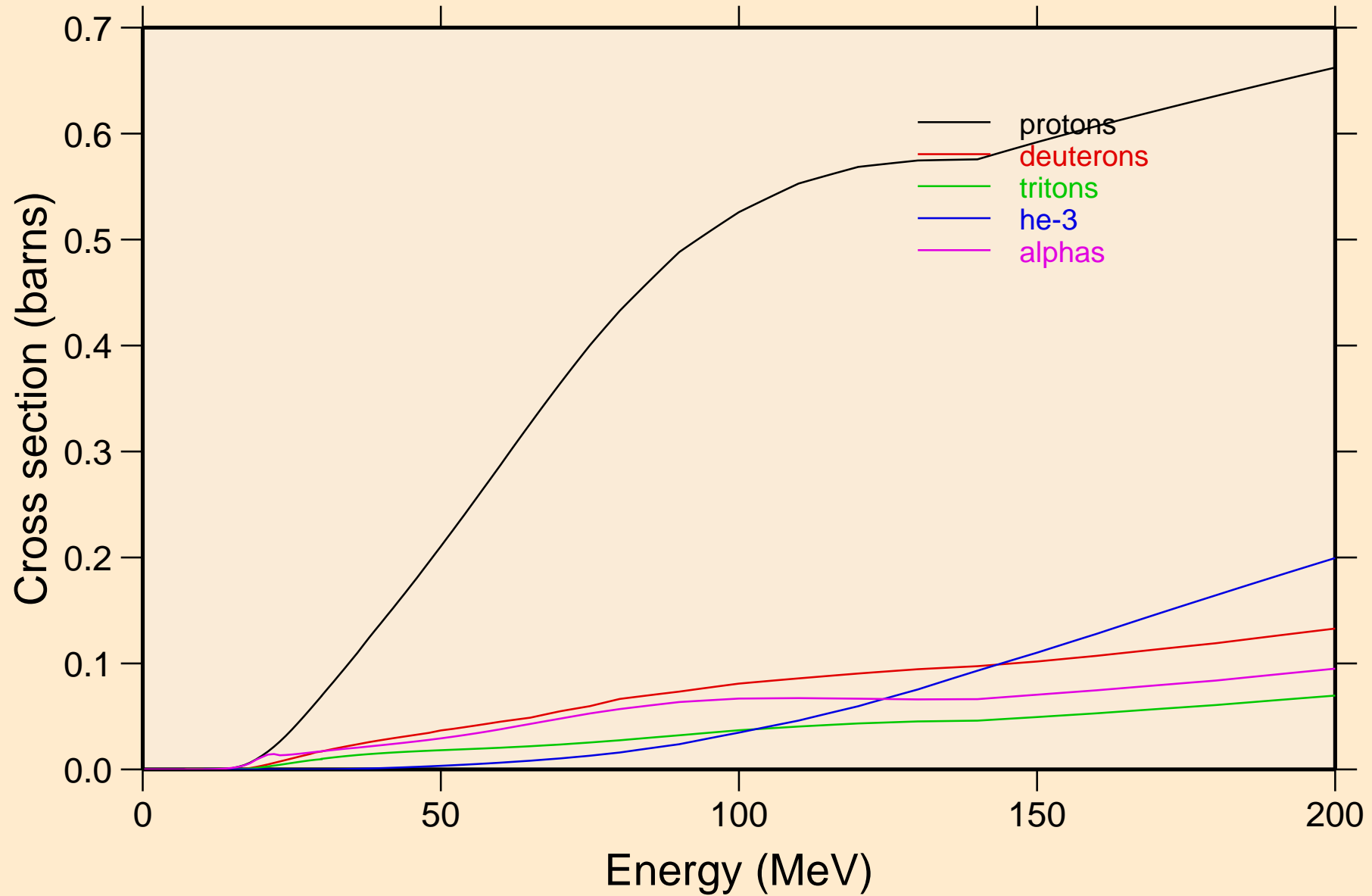


BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating

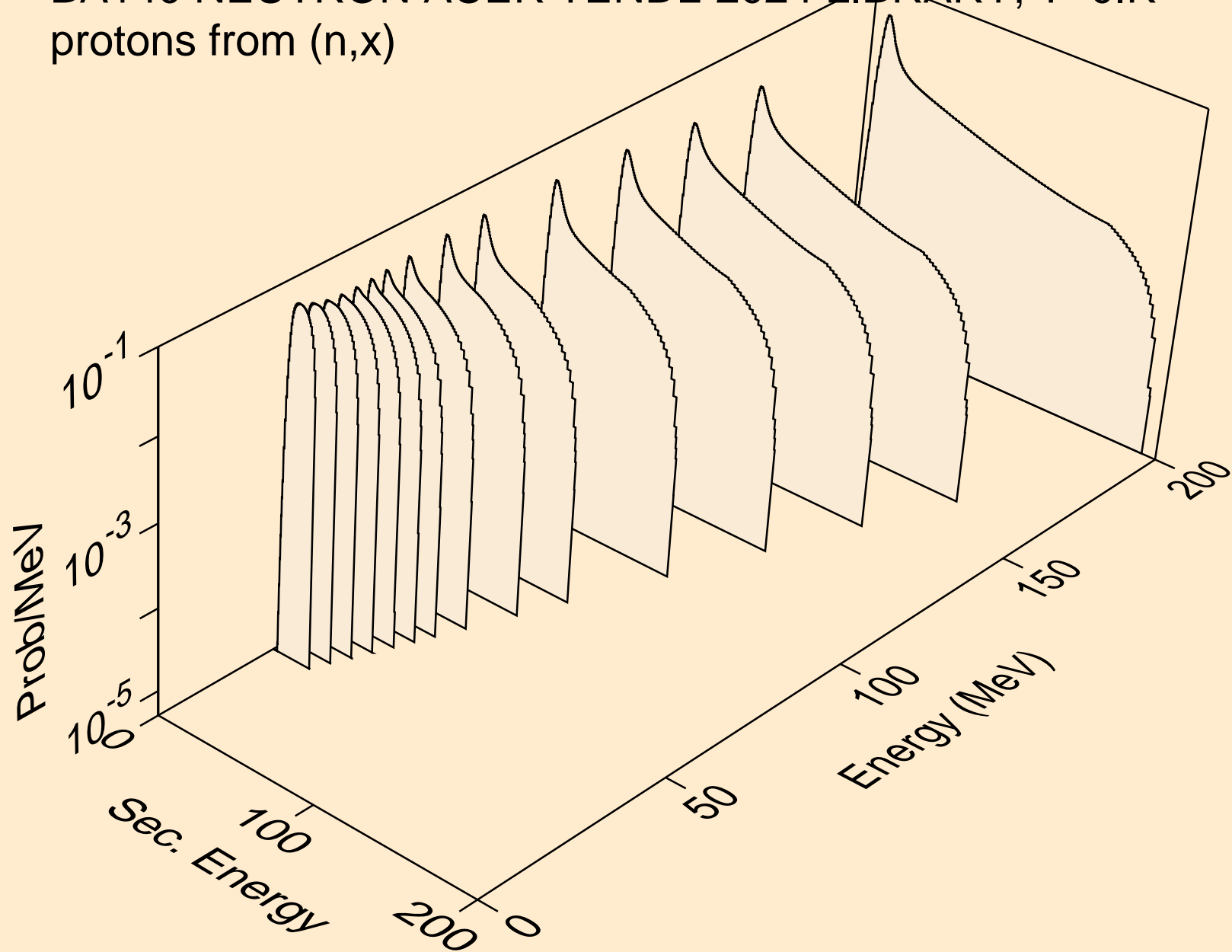


# BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

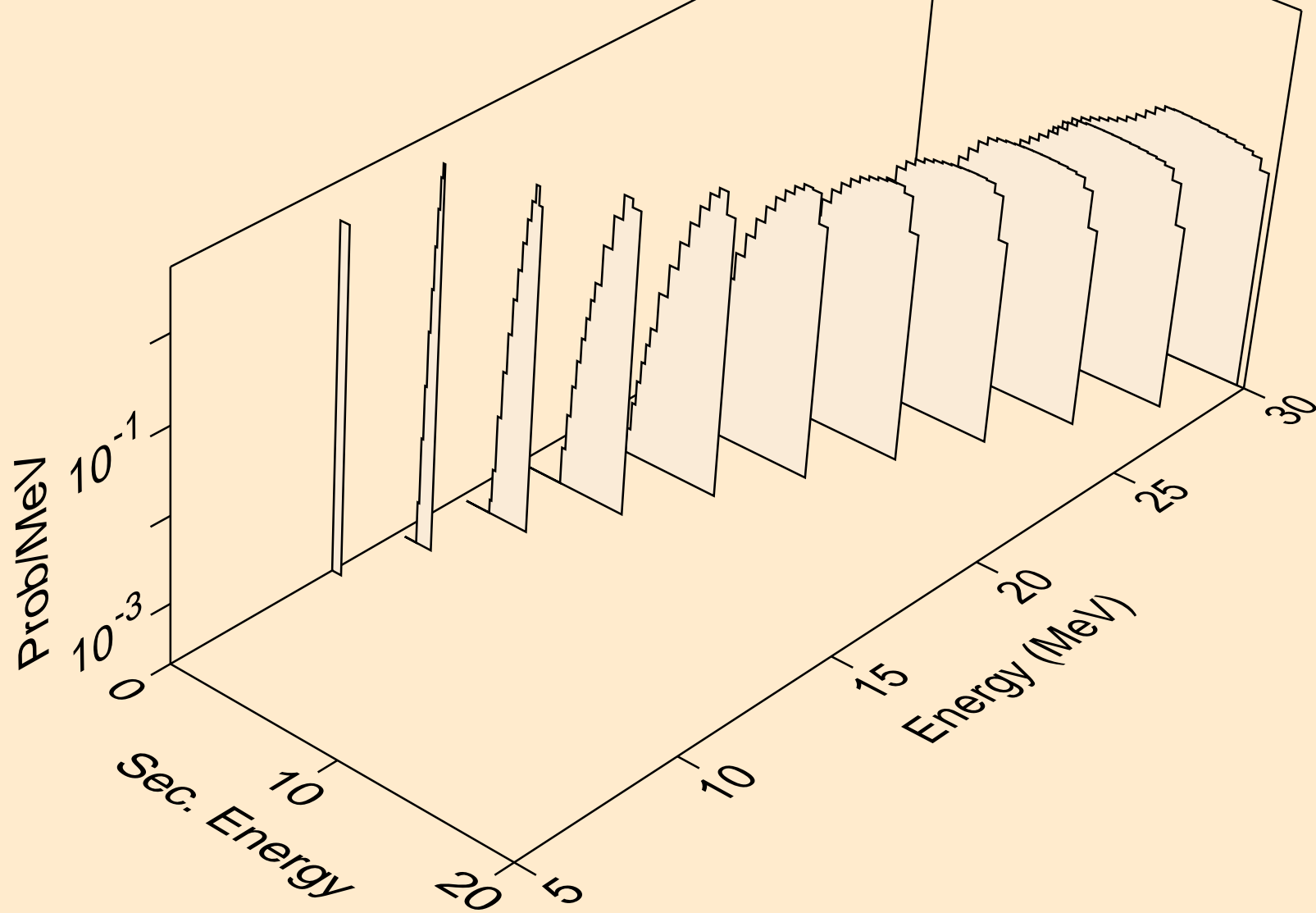
## Particle production cross sections



BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)

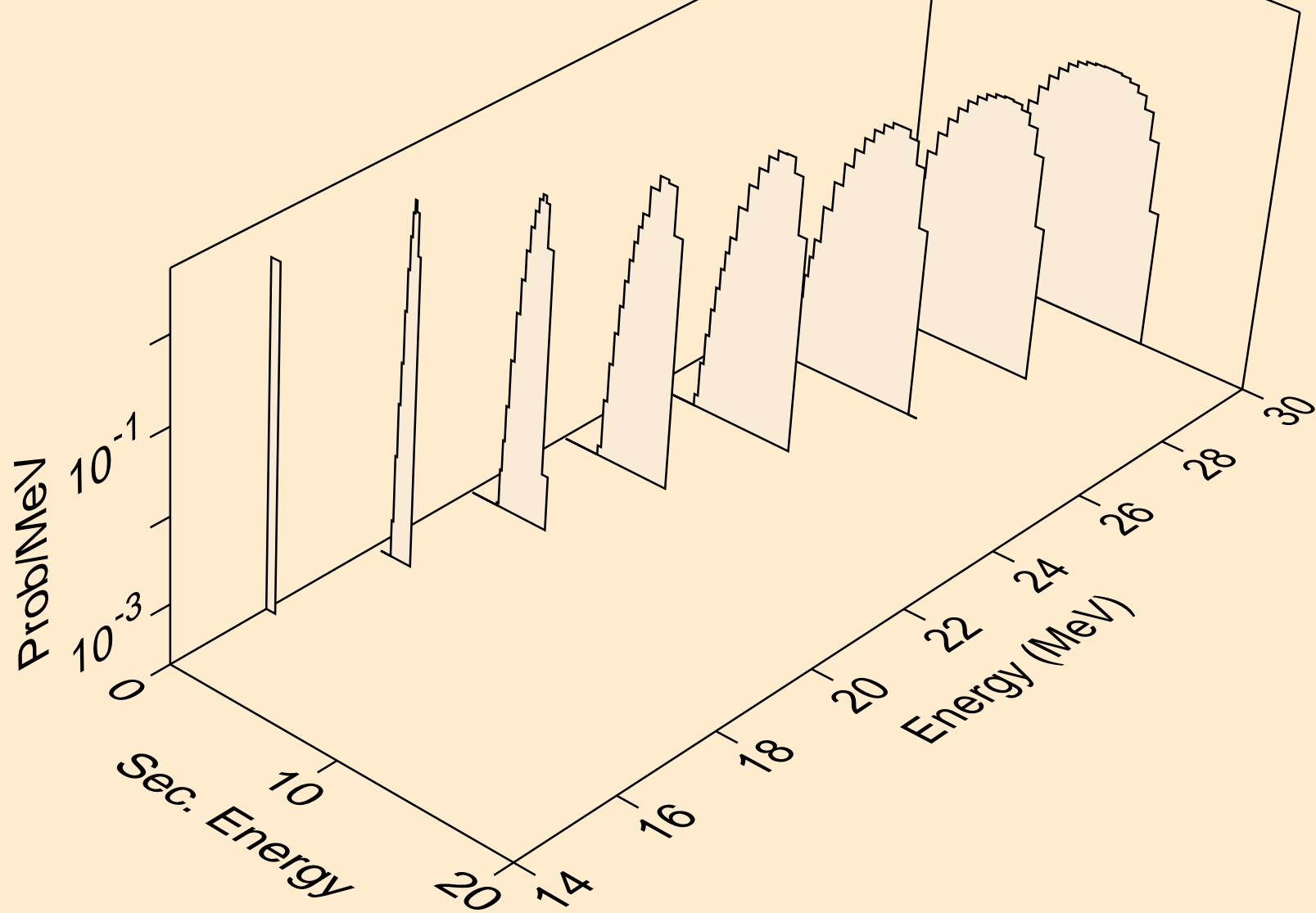


BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p

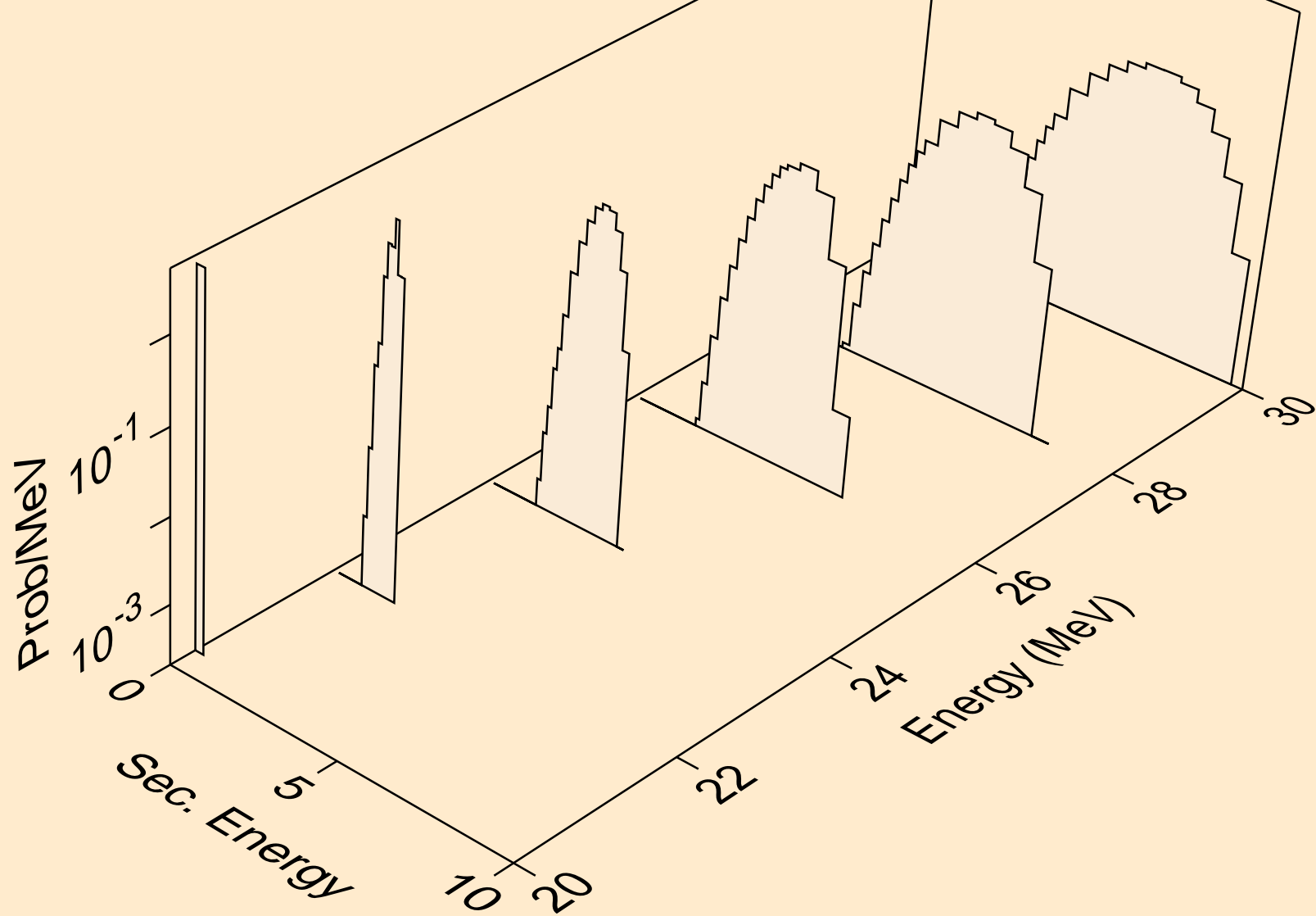




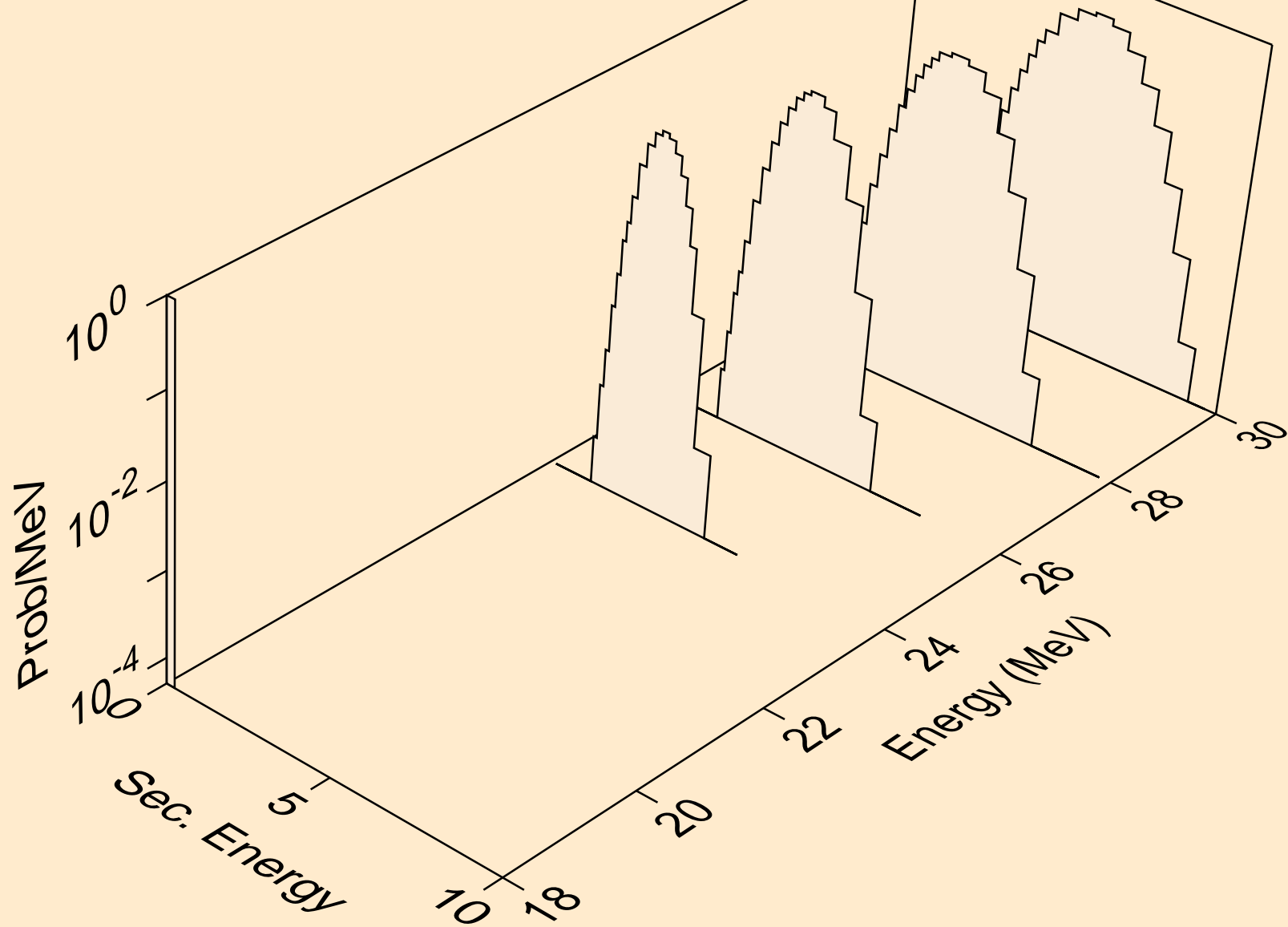
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)



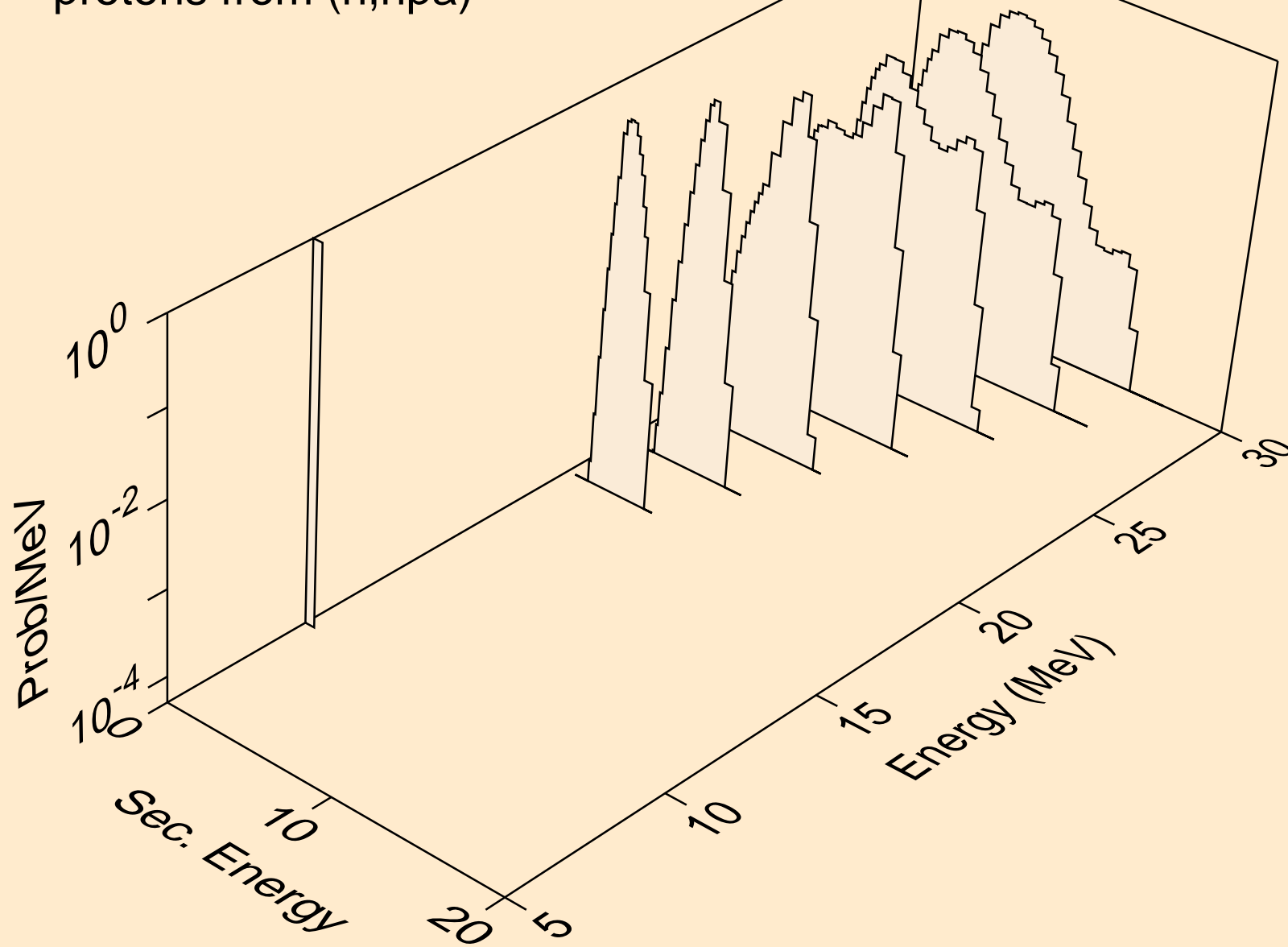
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protons from (n,3np)



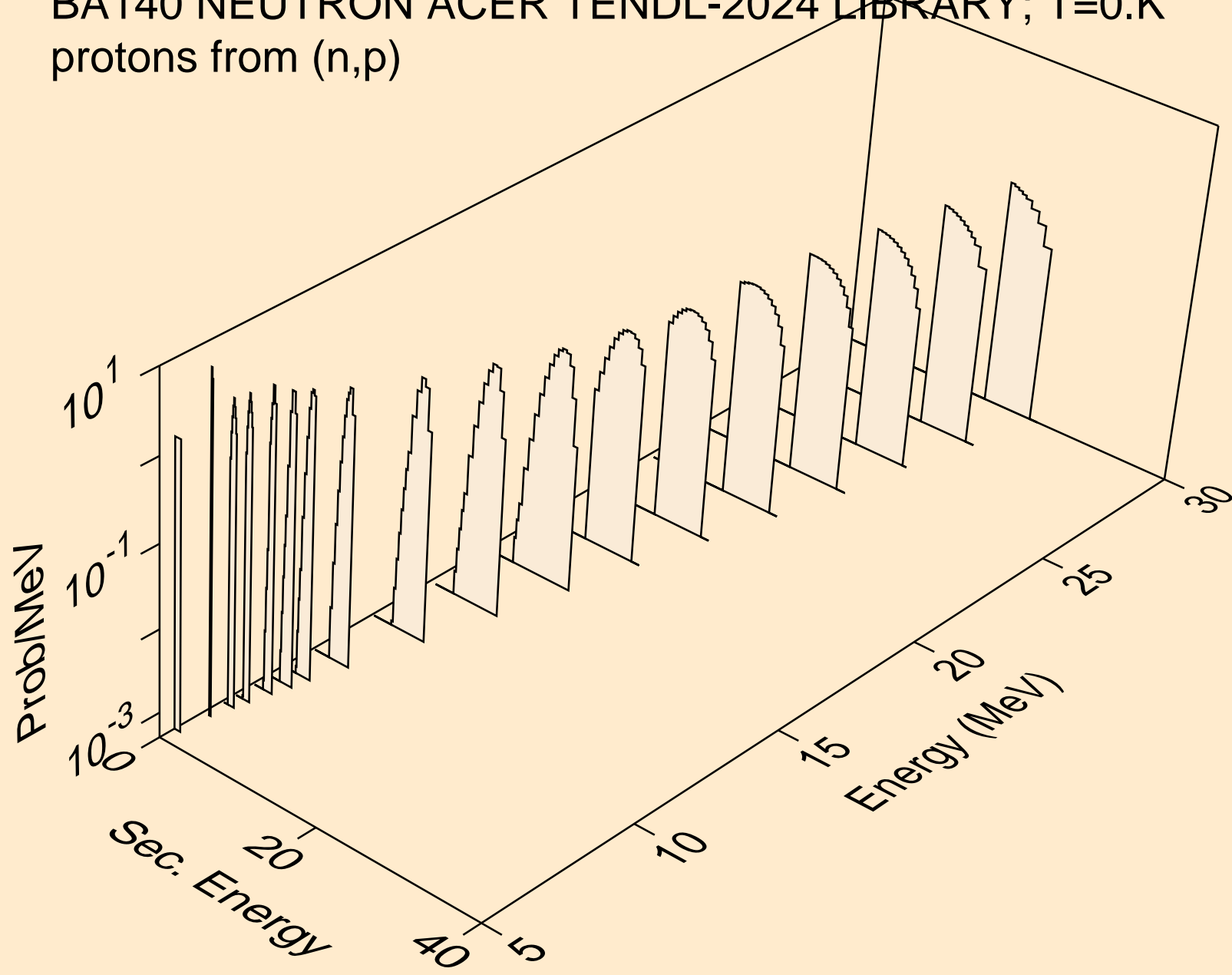
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protons from (n,n2p)



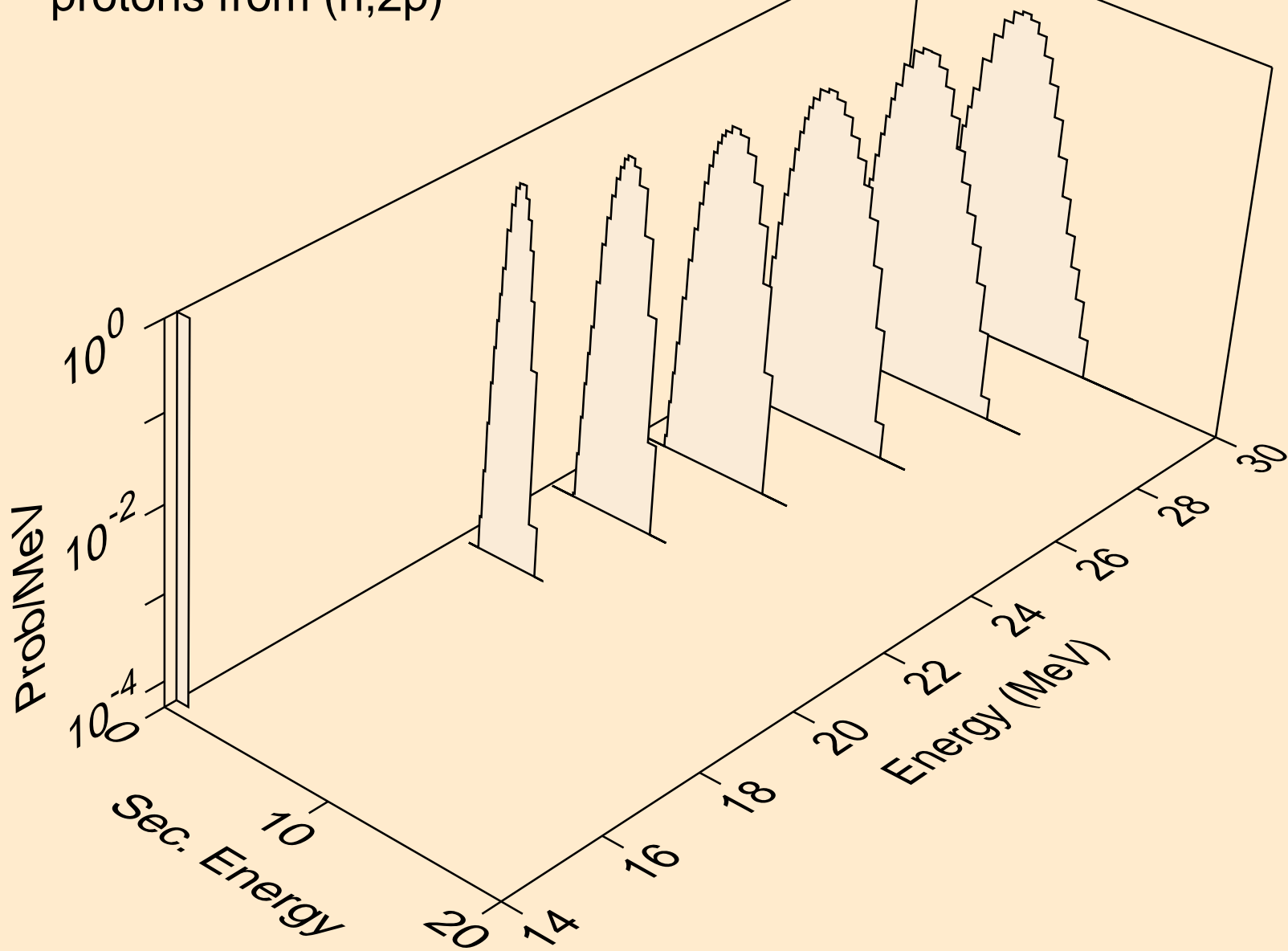
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protons from (n,npa)



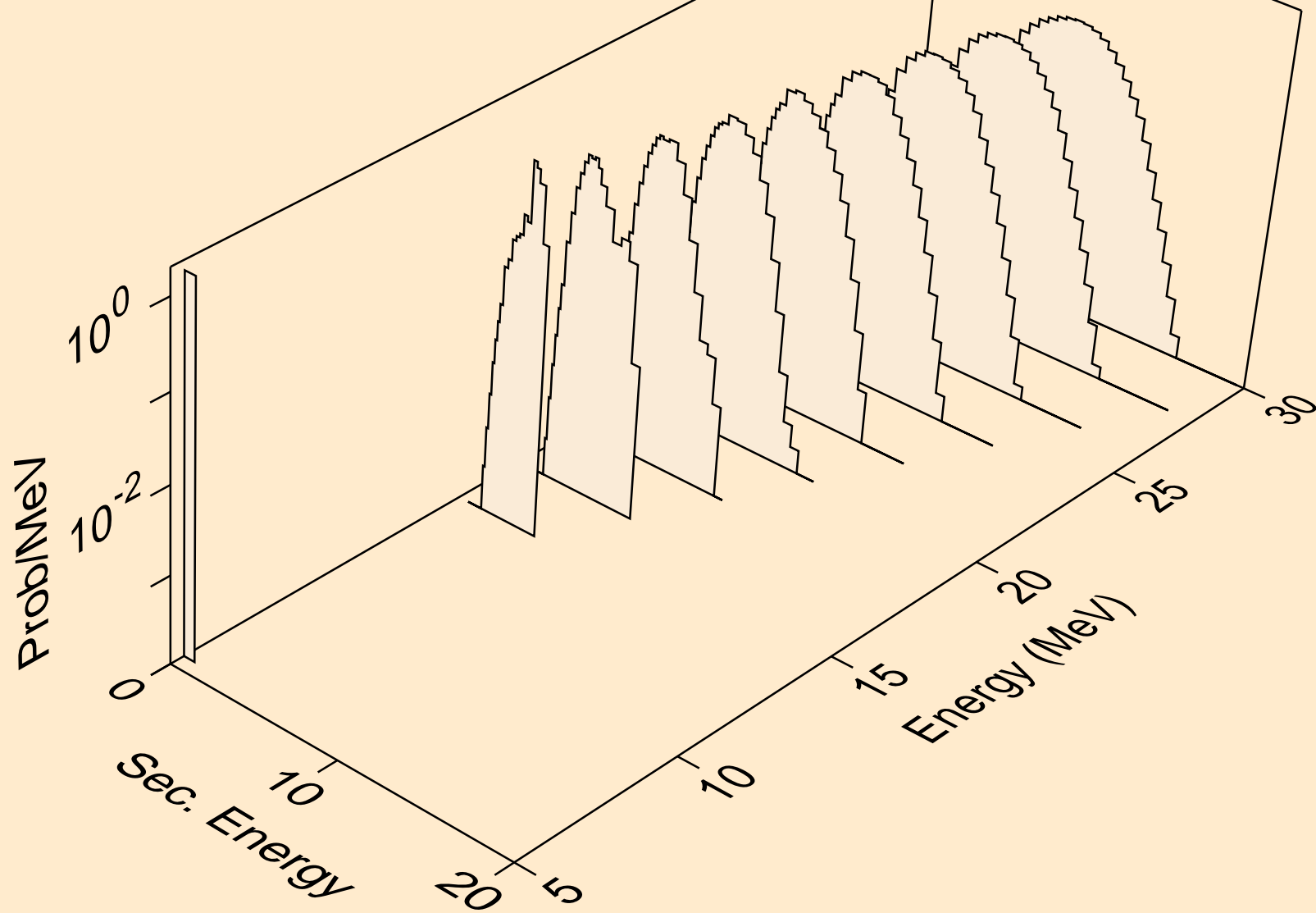
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protons from (n,p)



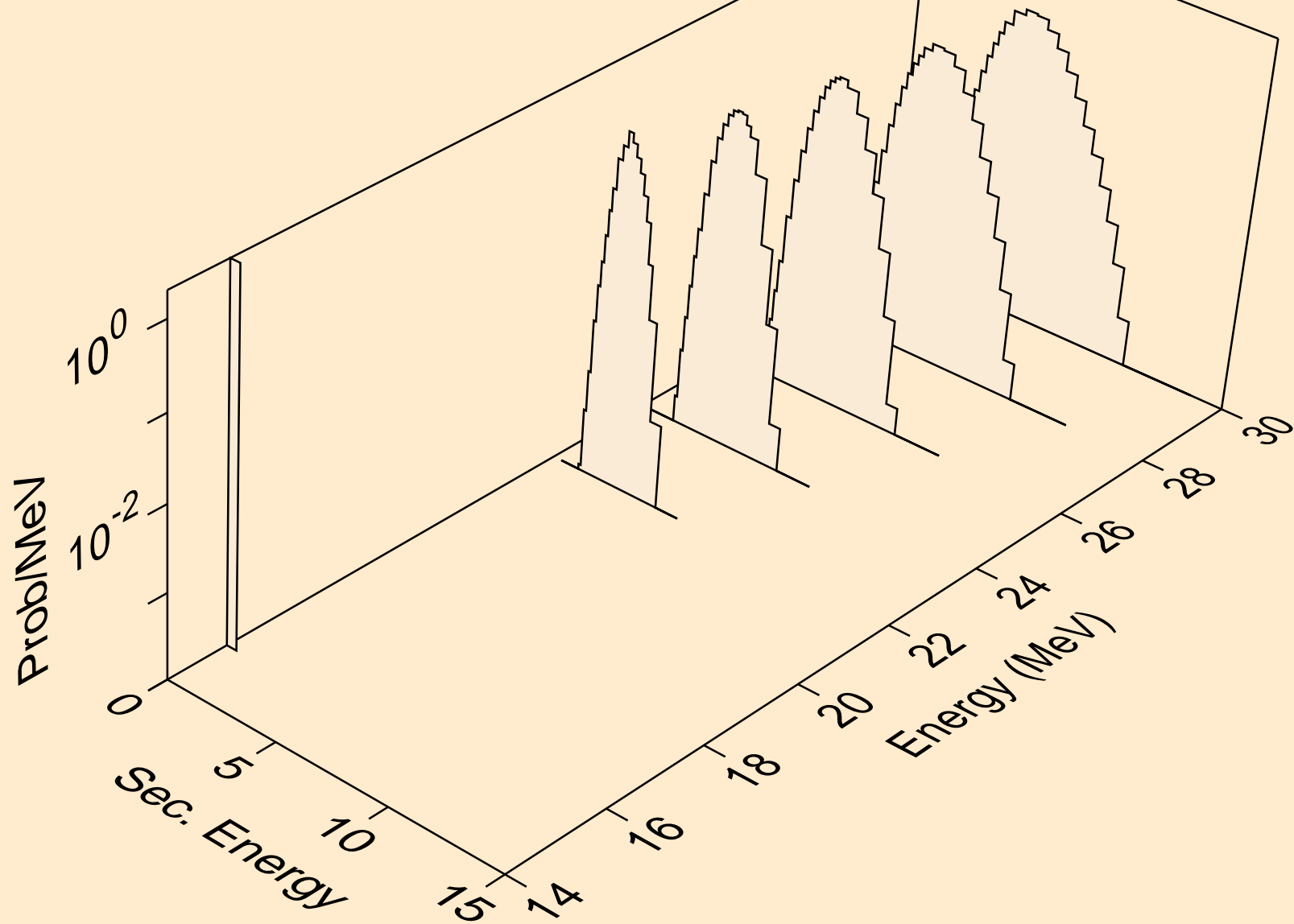
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protons from (n,2p)



BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)

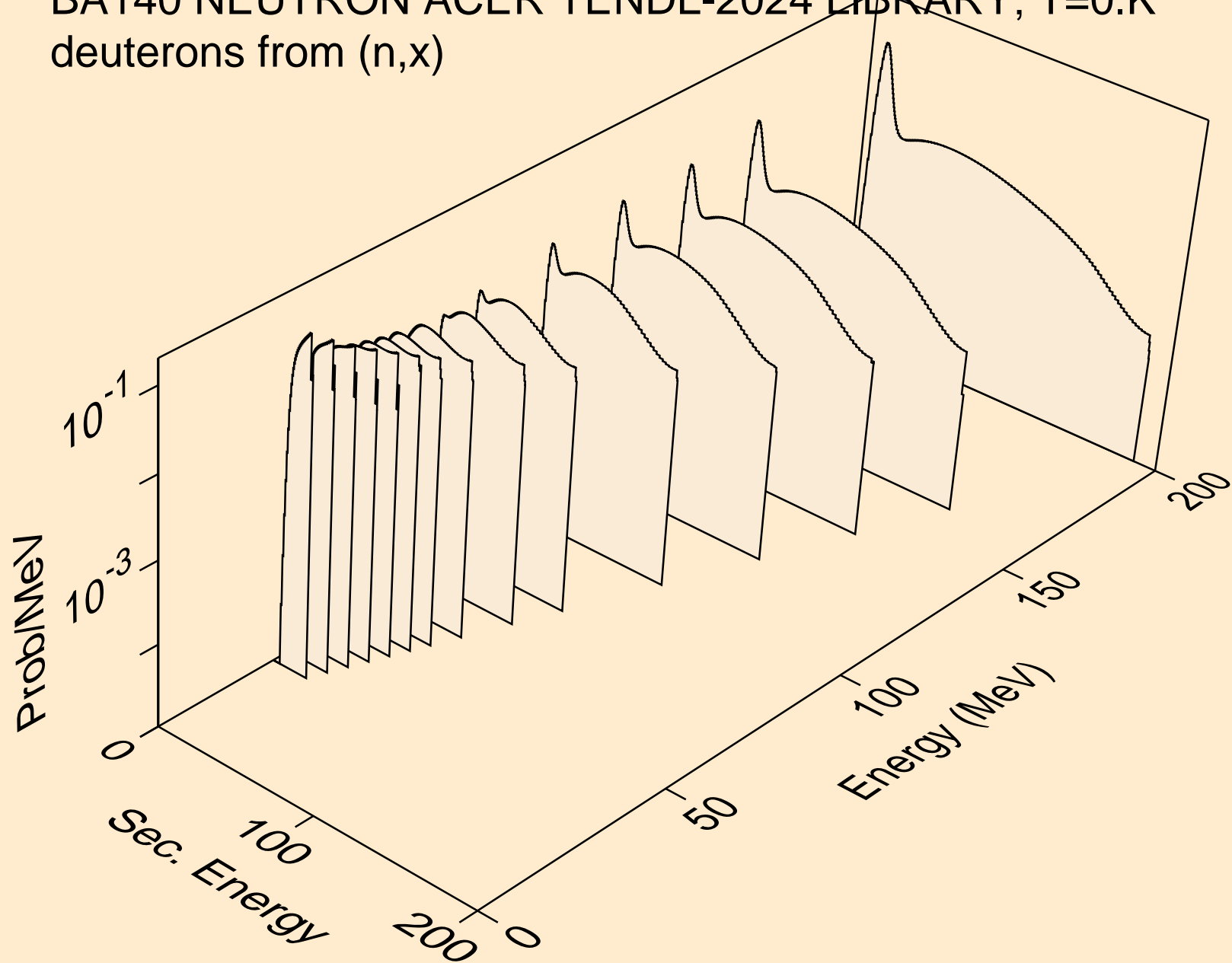


BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pt)

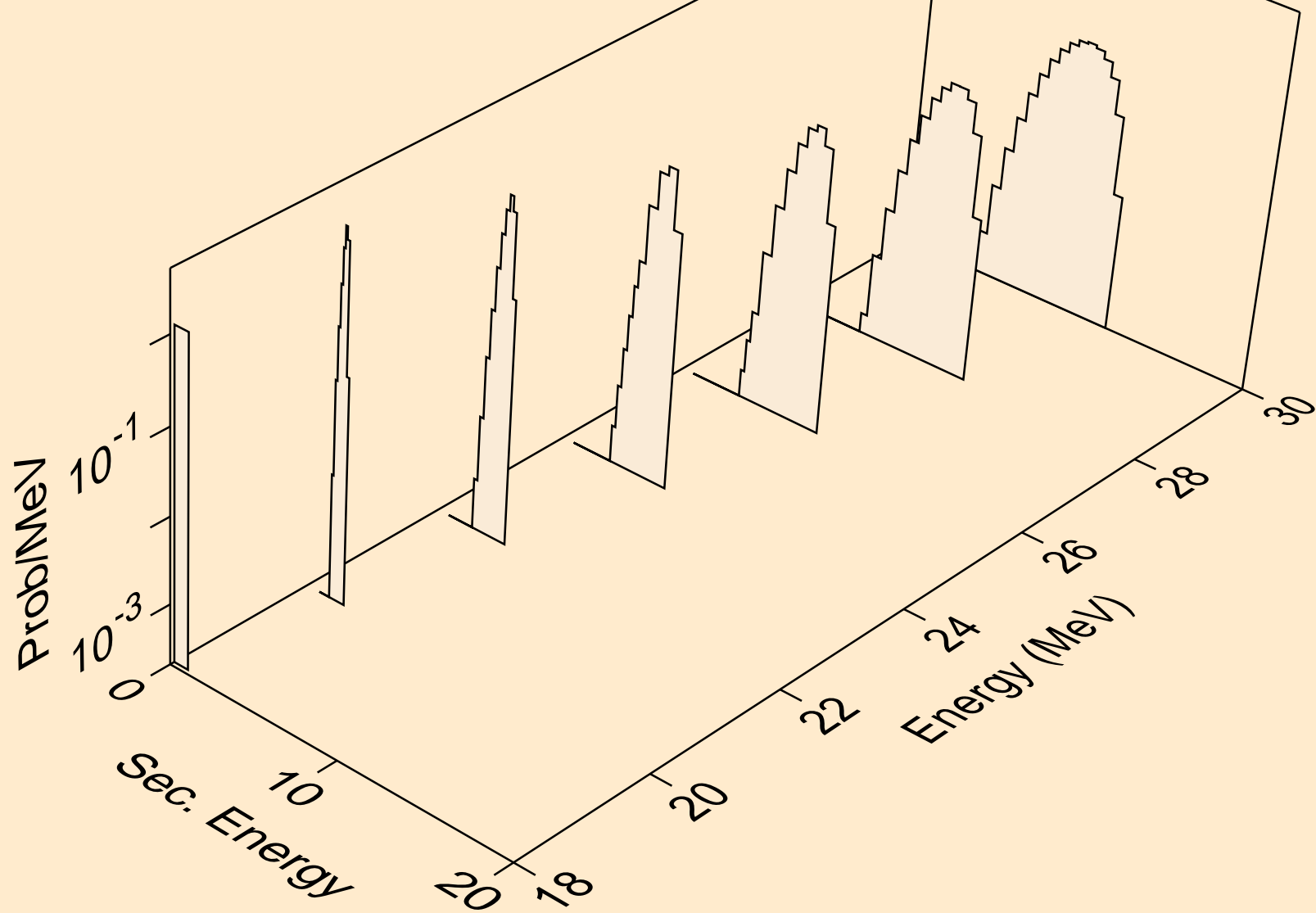




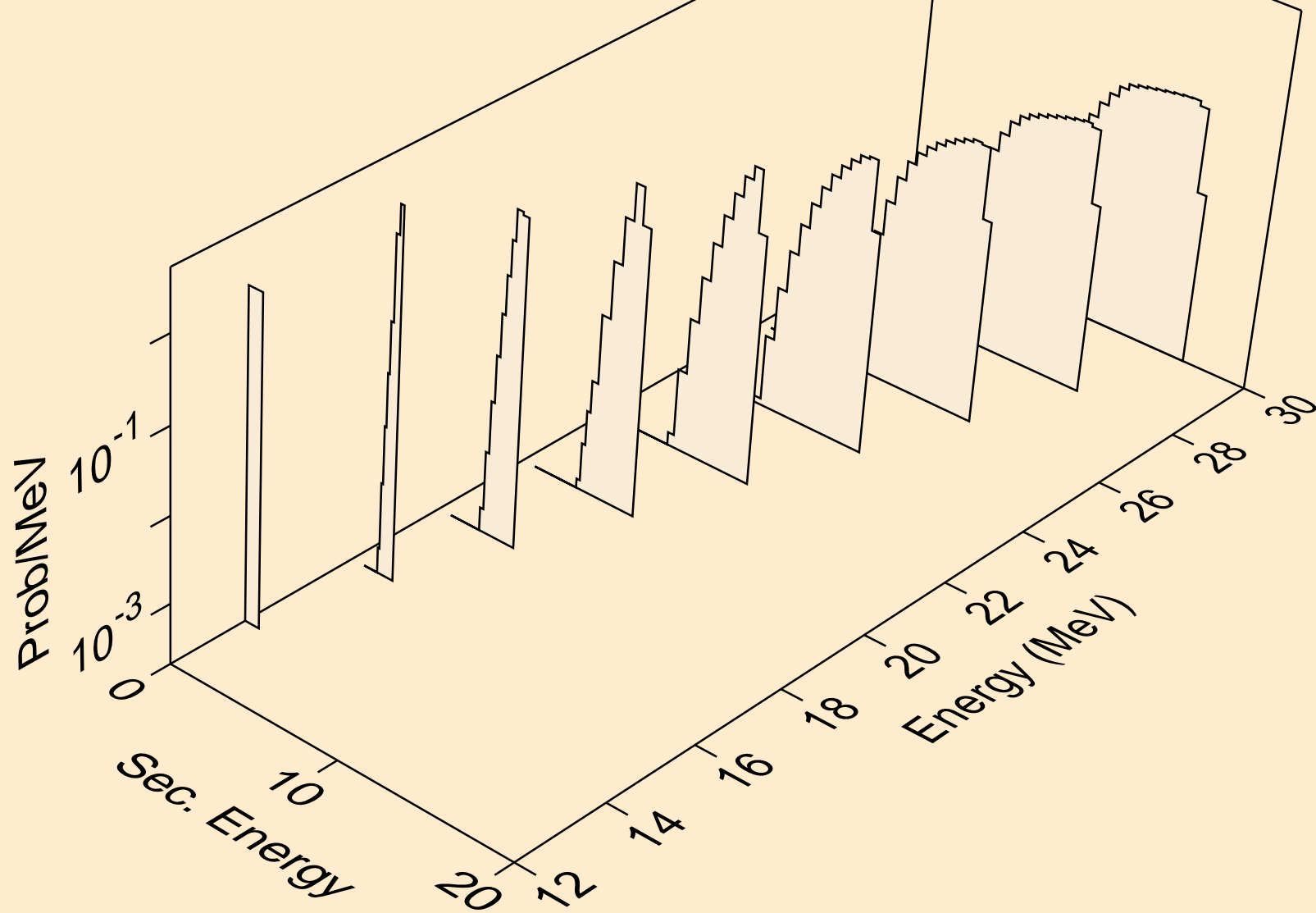
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deuterons from (n,x)



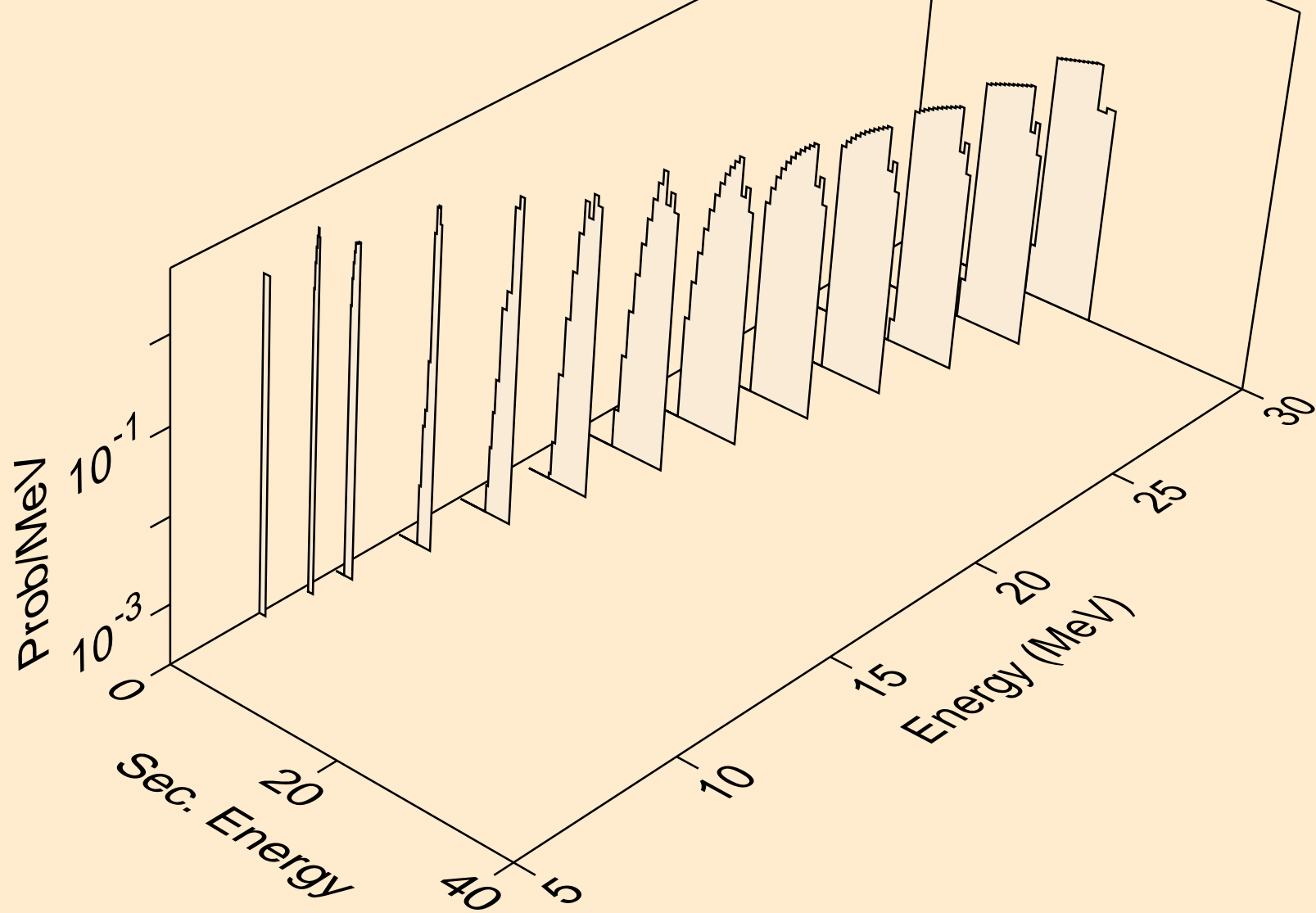
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deuterons from (n,2nd)



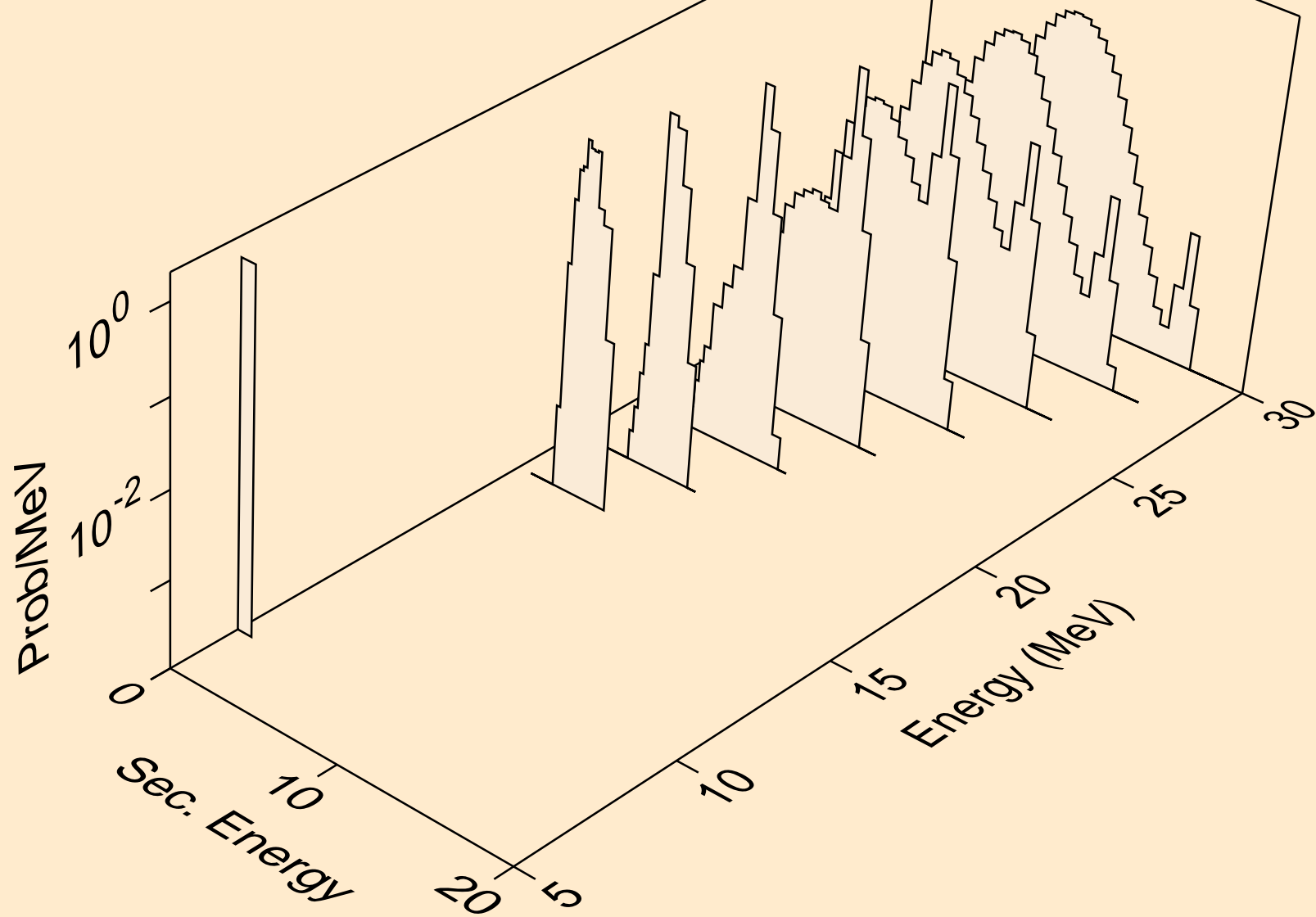
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deuterons from (n,n\*)d



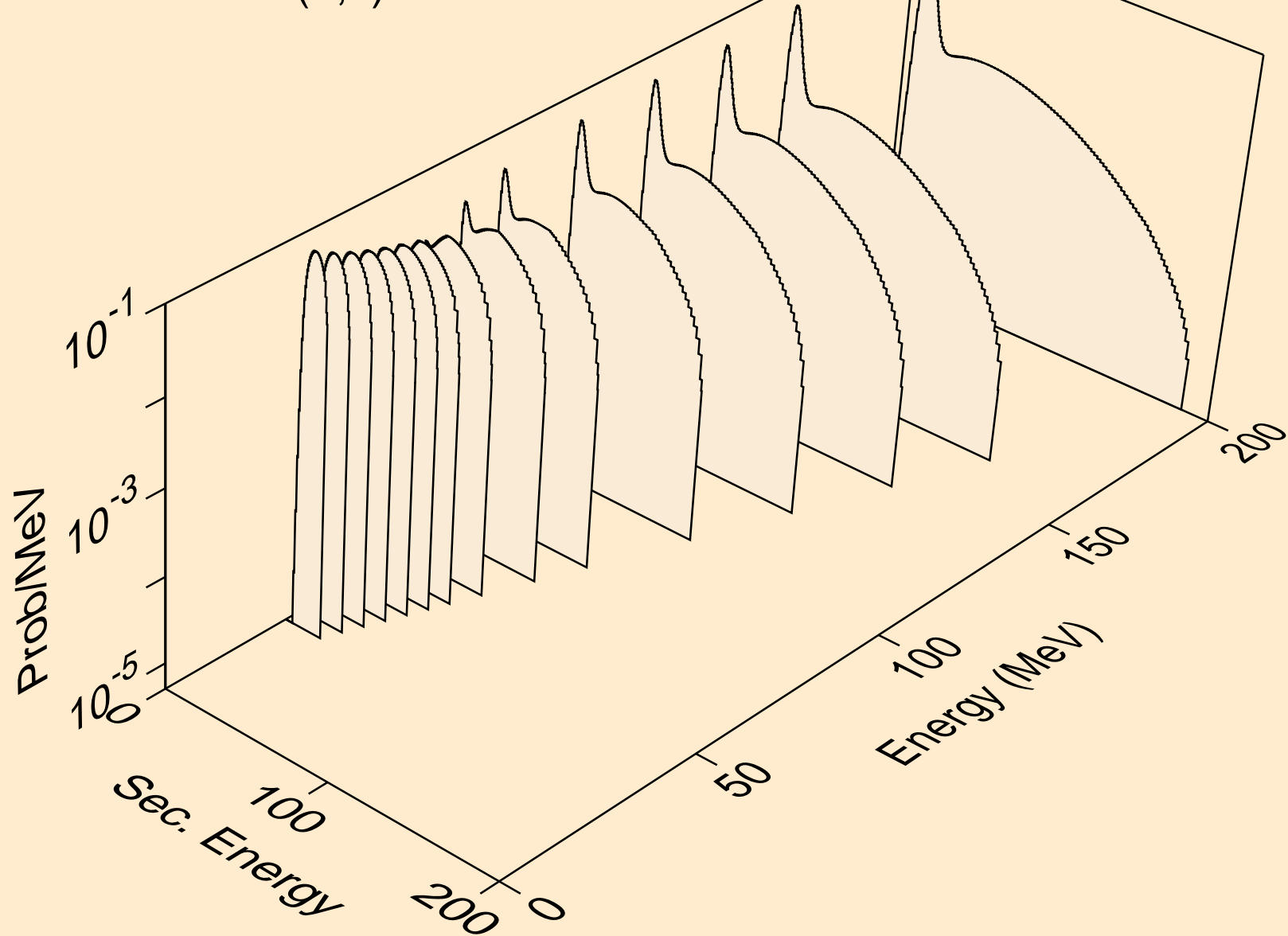
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deuterons from (n,d)



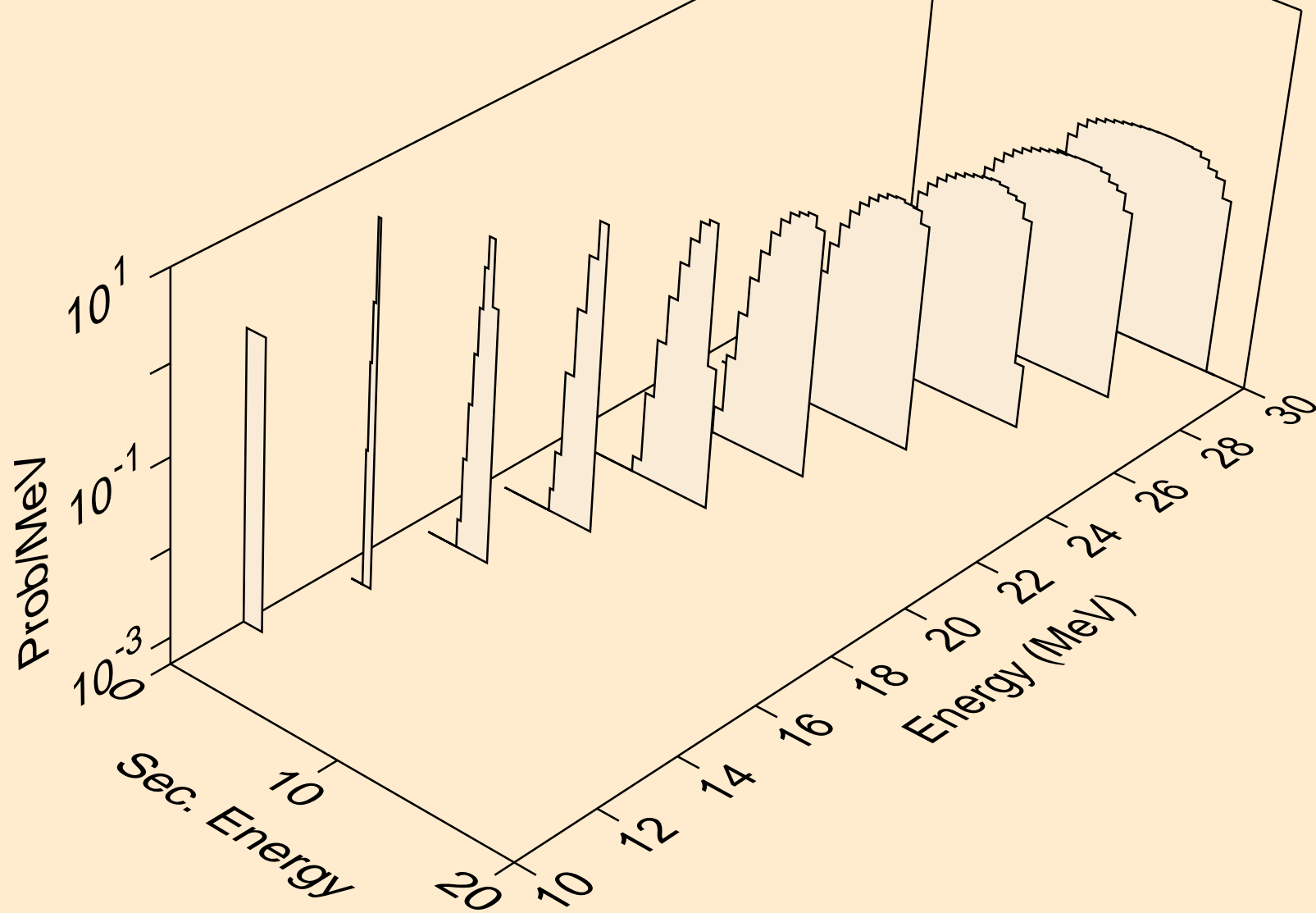
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deuterons from (n,da)



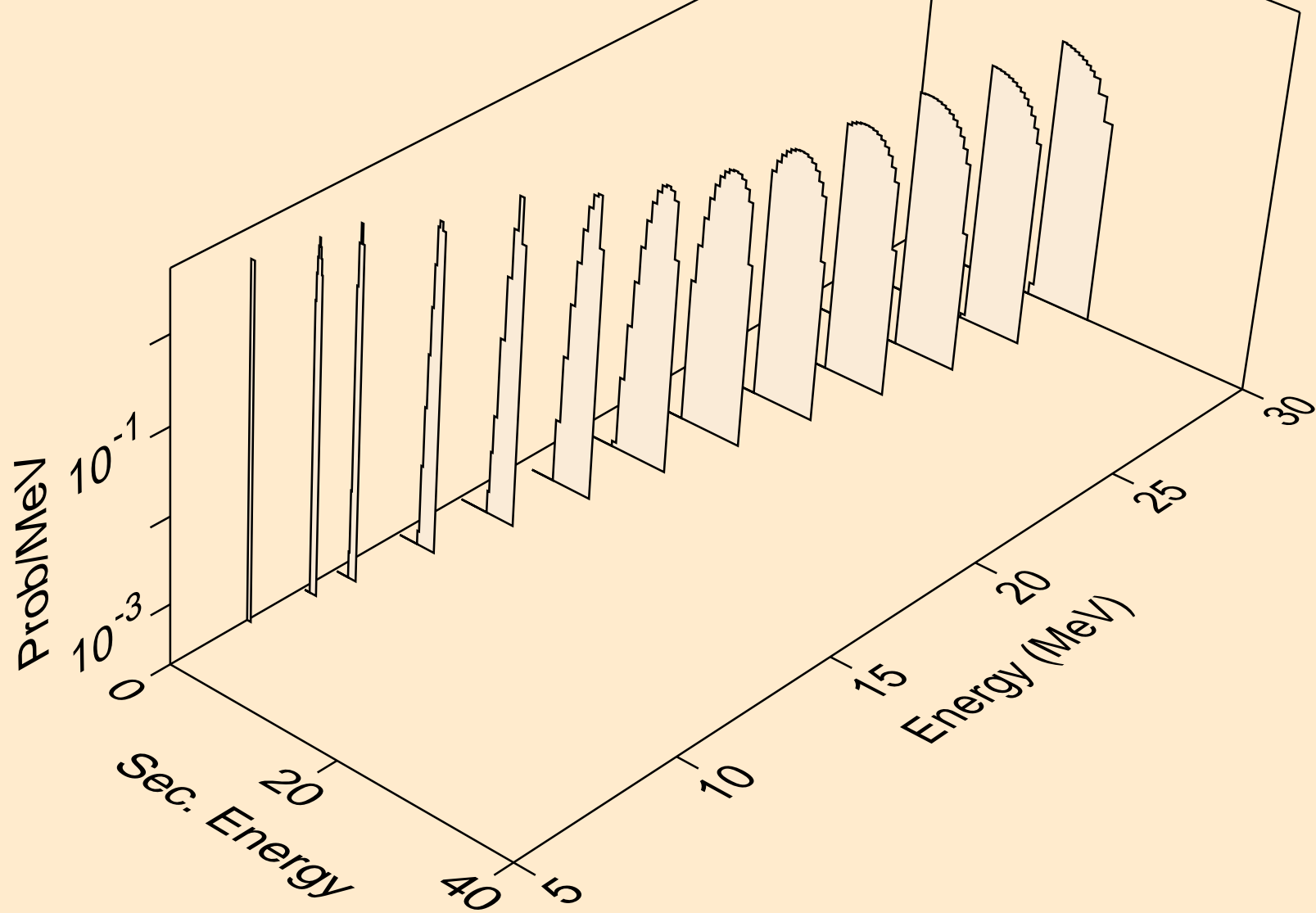
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)



BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t

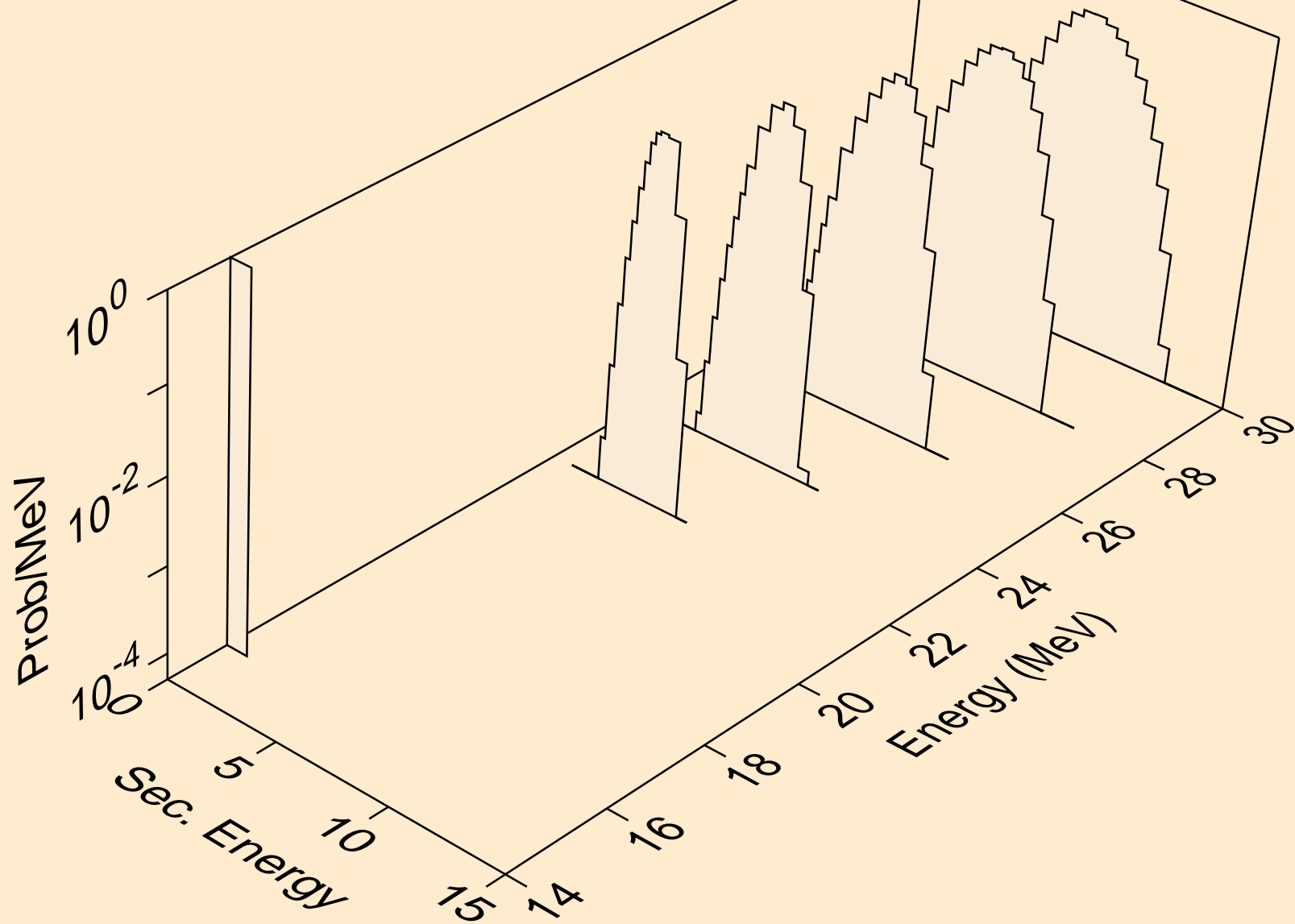


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tritons from (n,t)

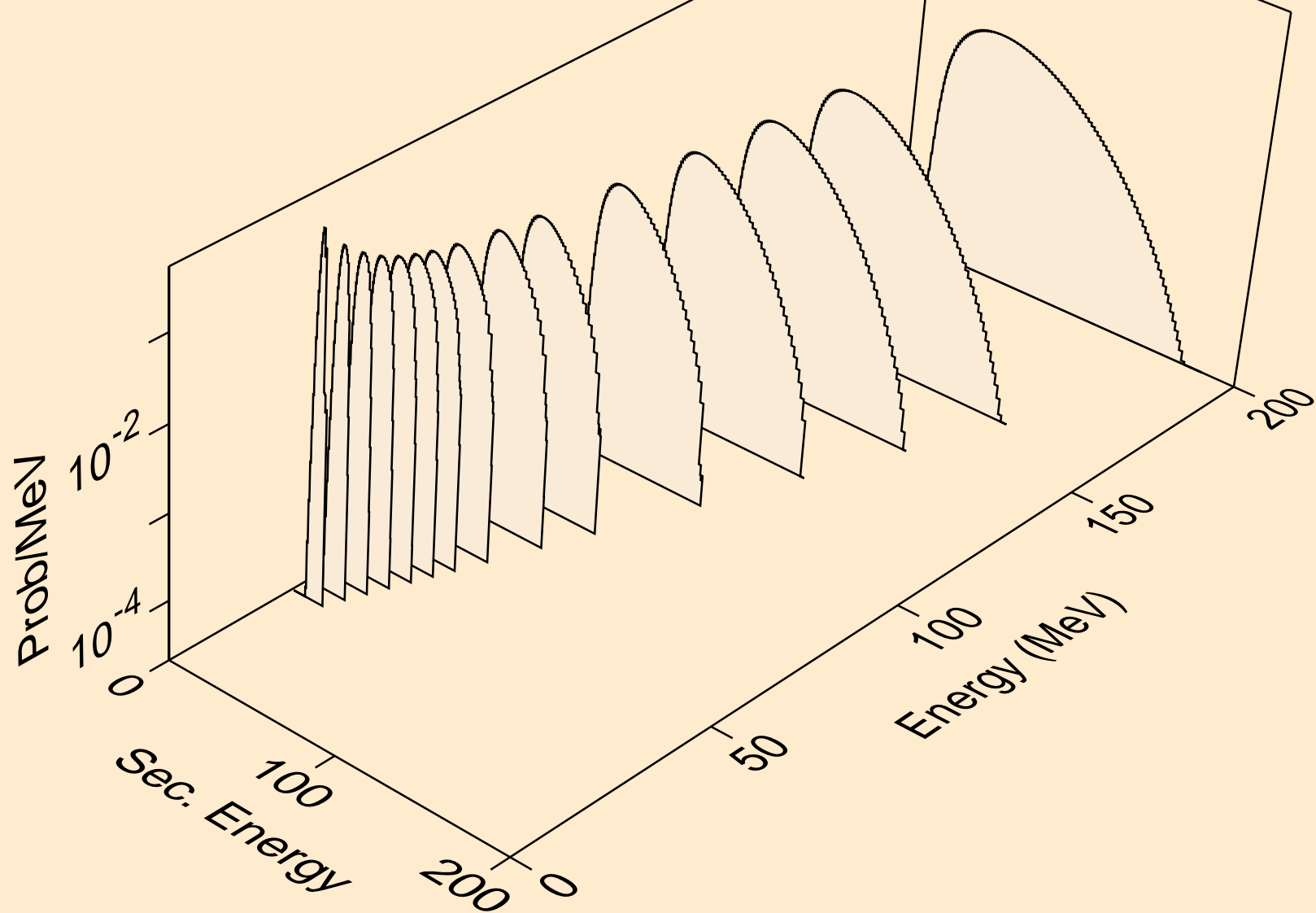




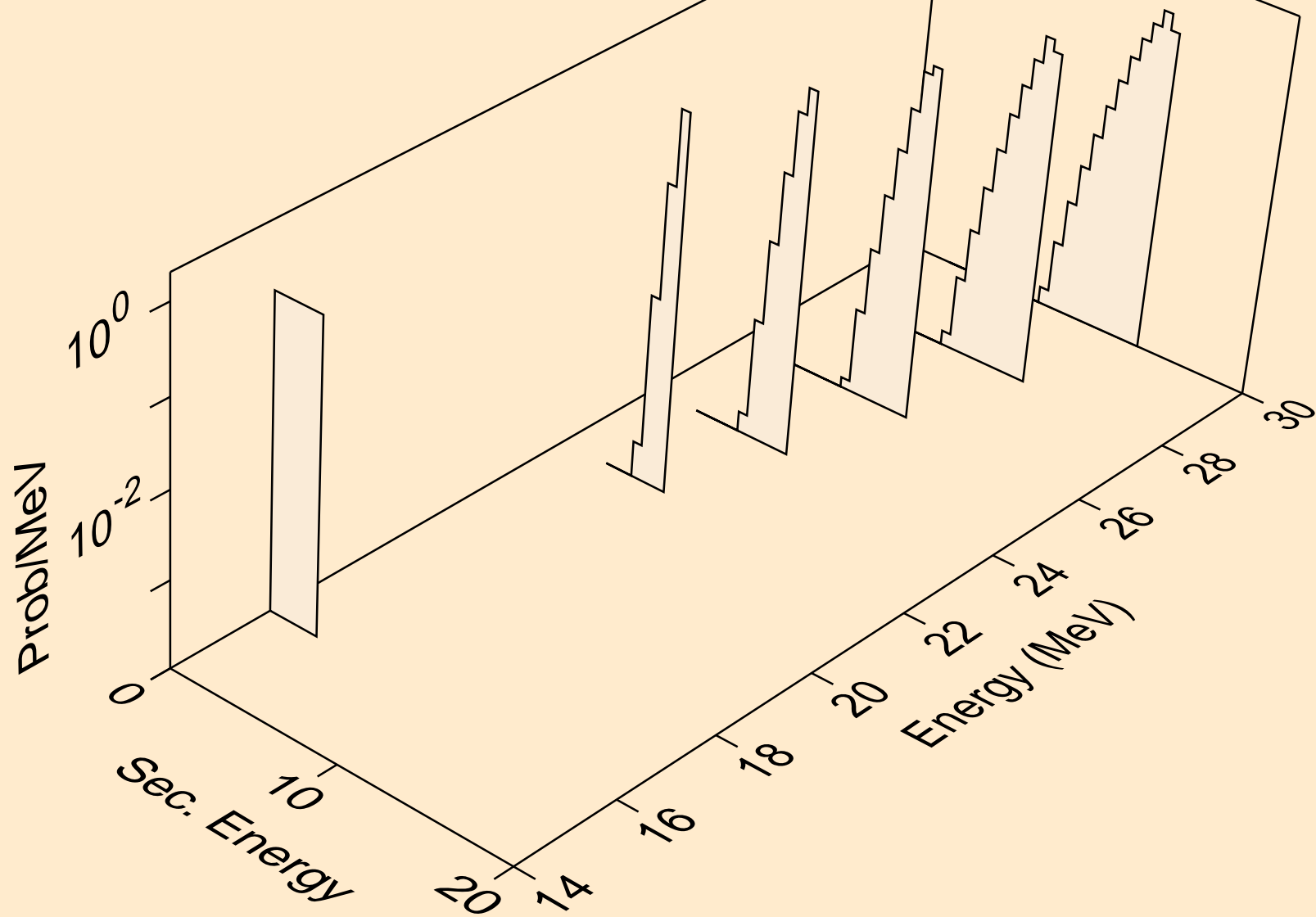
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,pt)



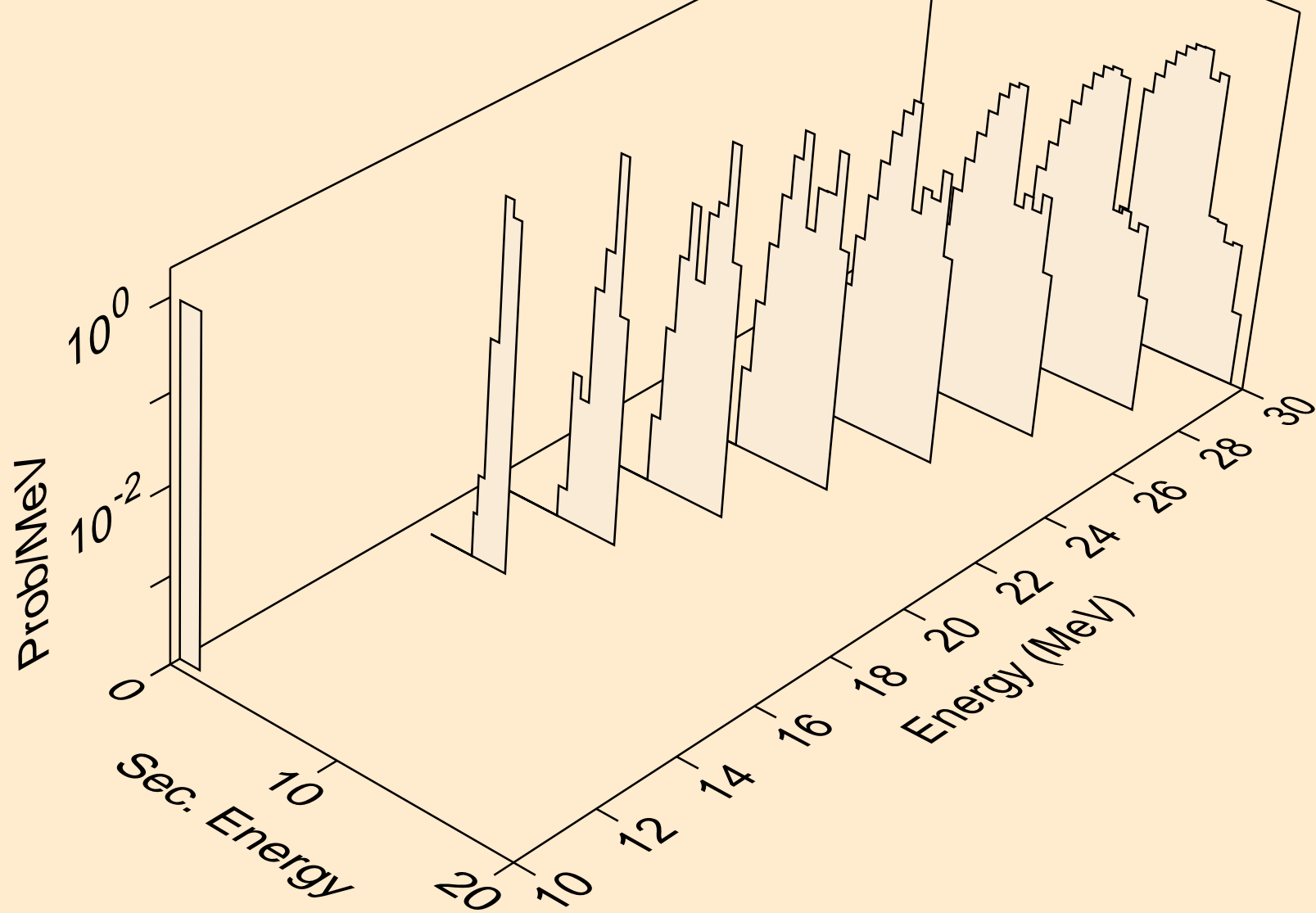
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he3s from (n,x)



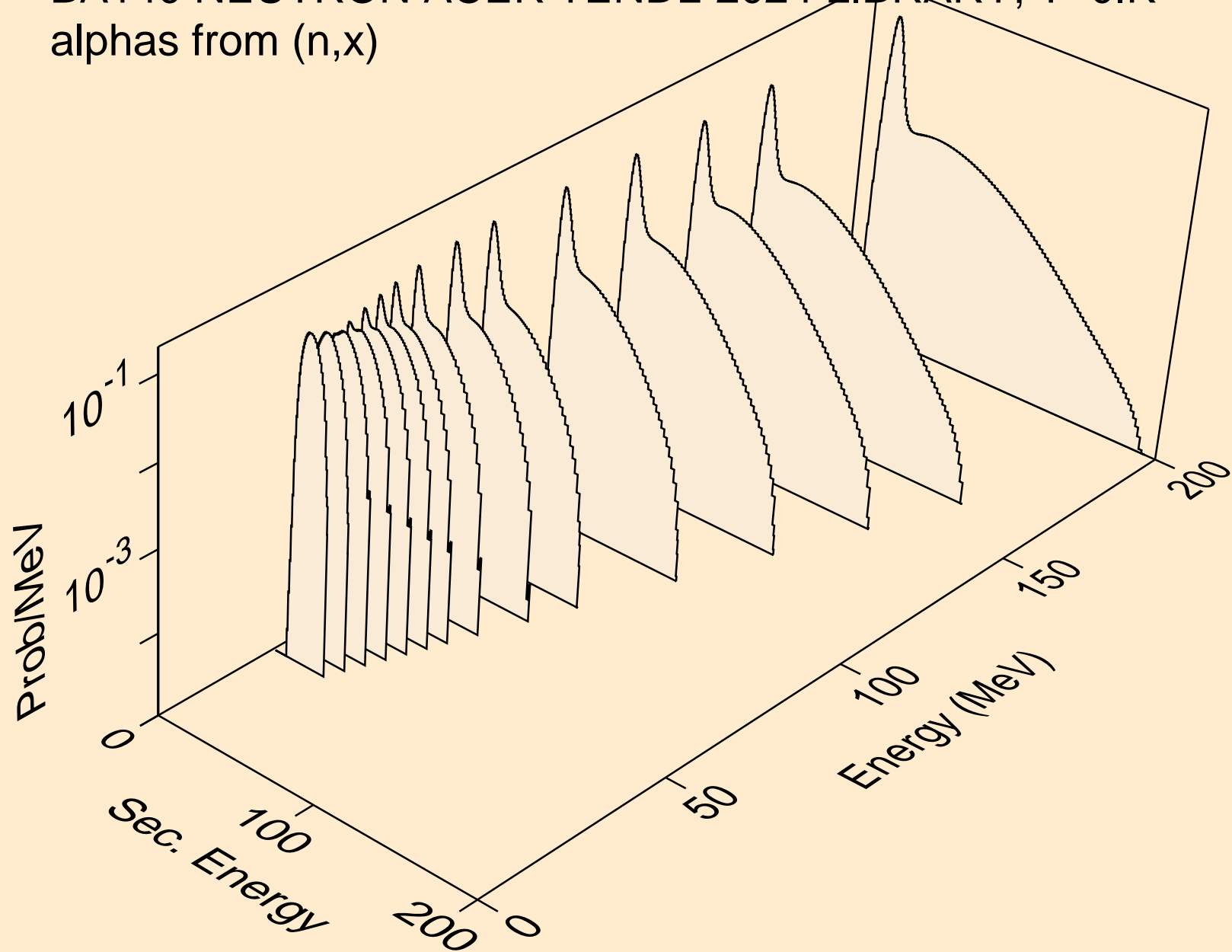
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he3s from (n,n\*)he3



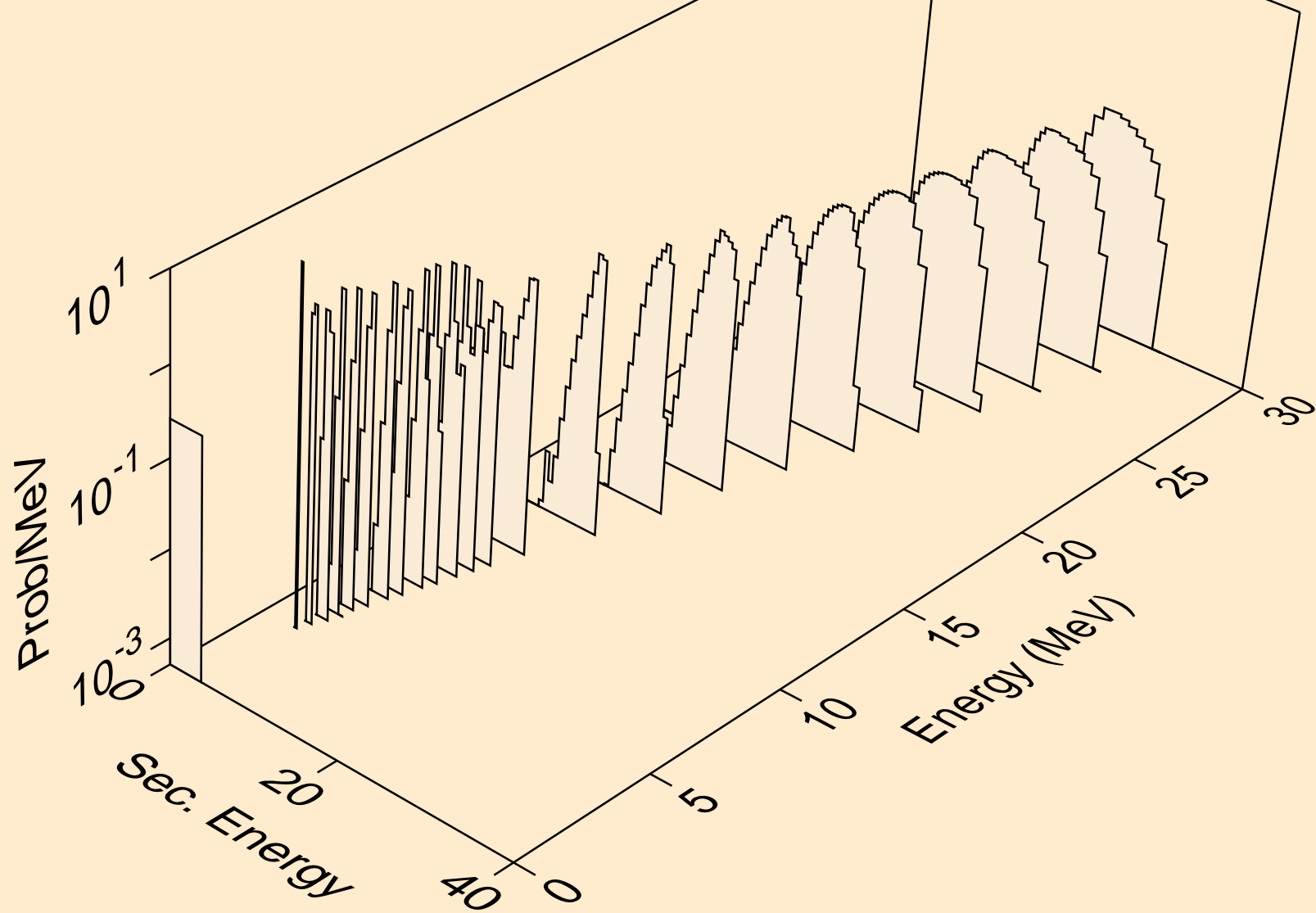
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he3s from (n,he3)



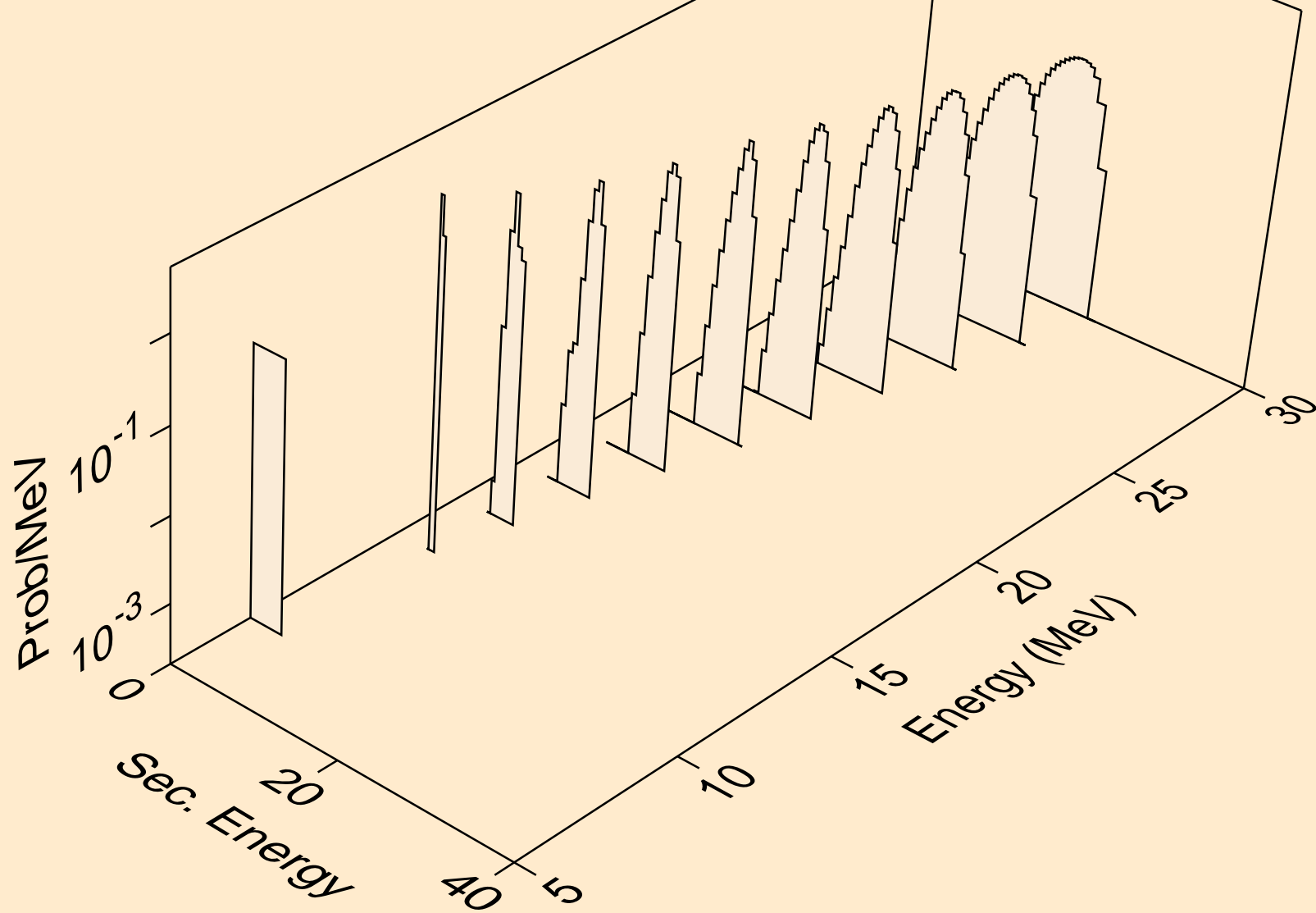
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alphas from (n,x)



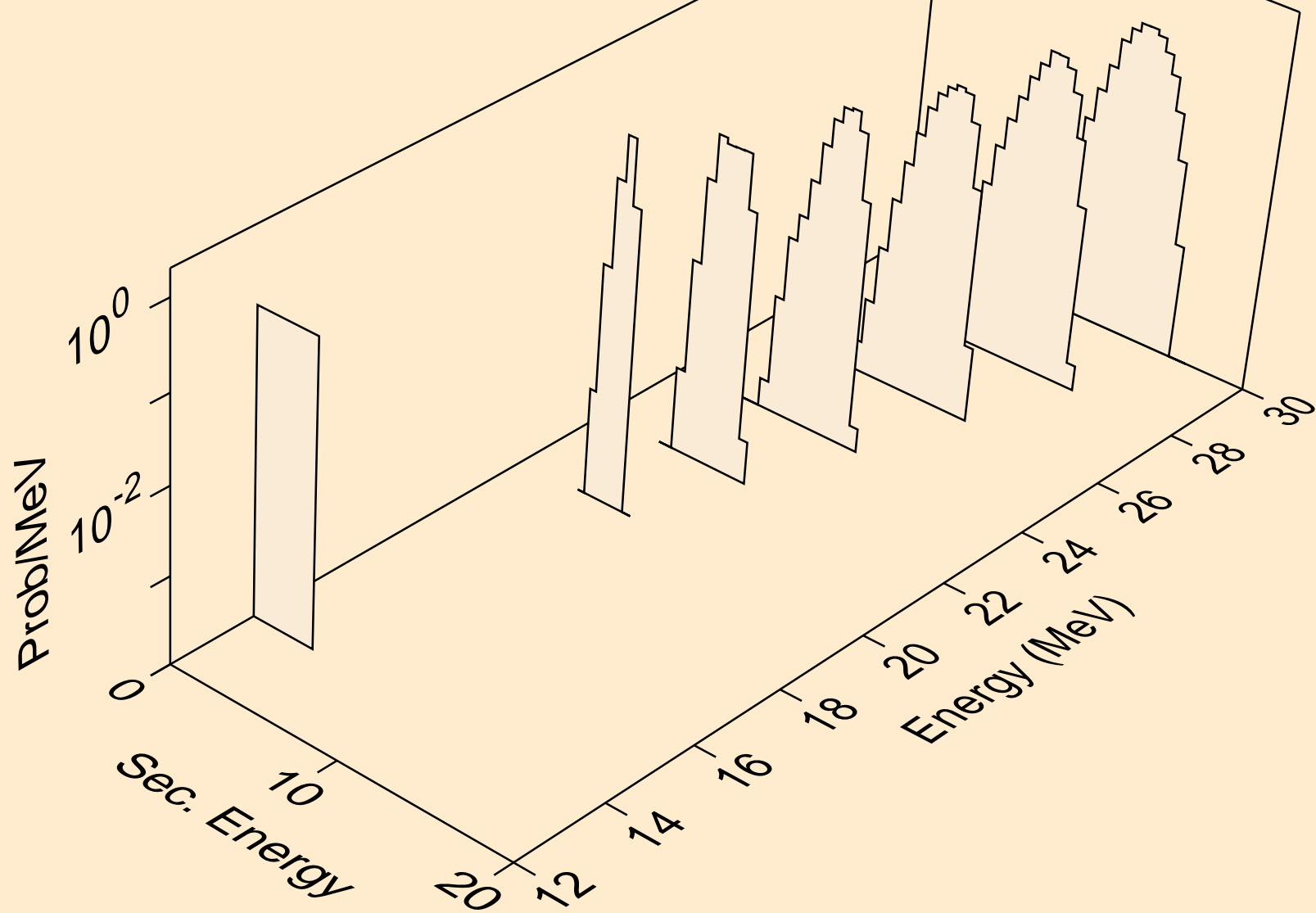
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a

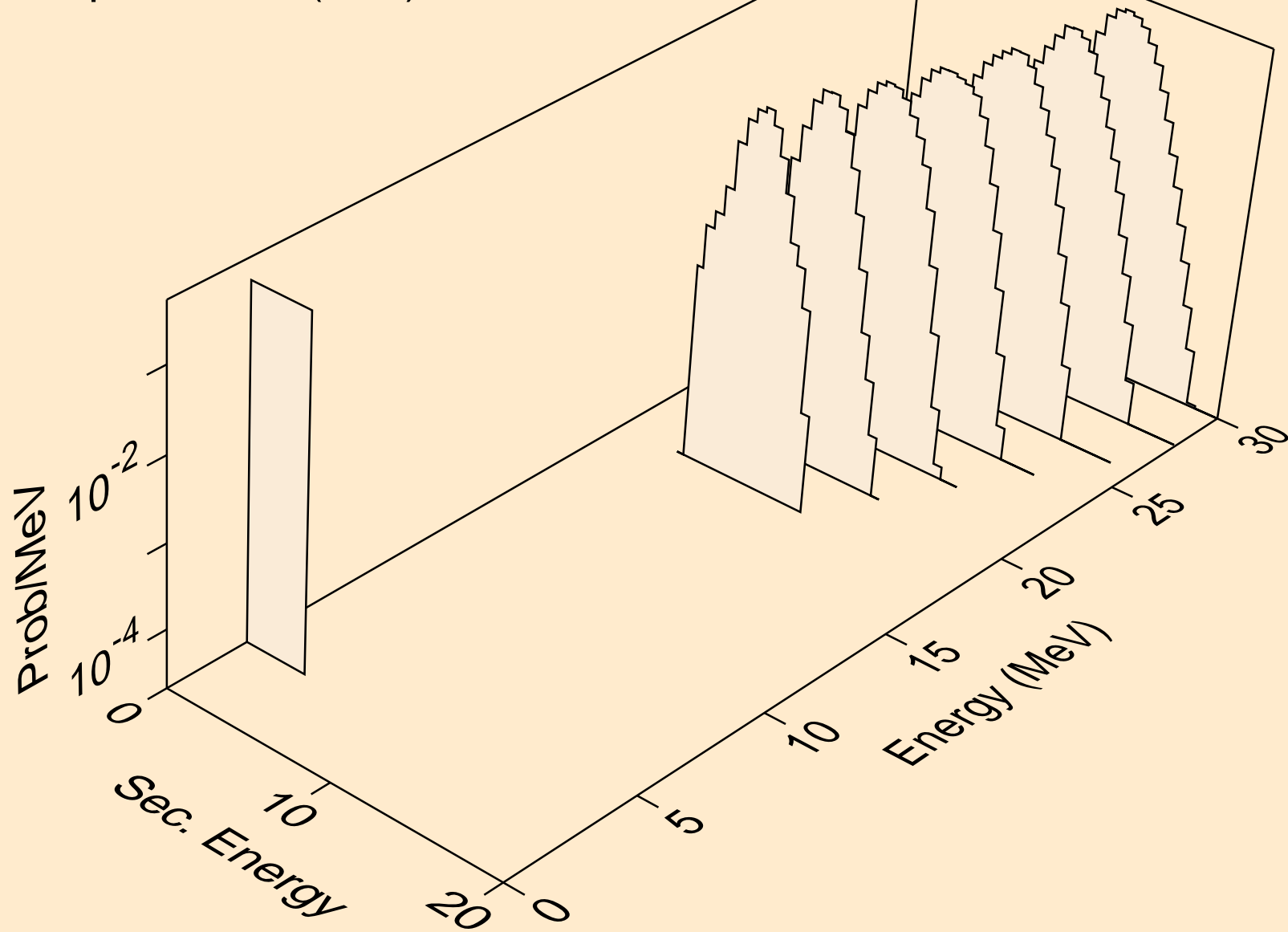


BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a

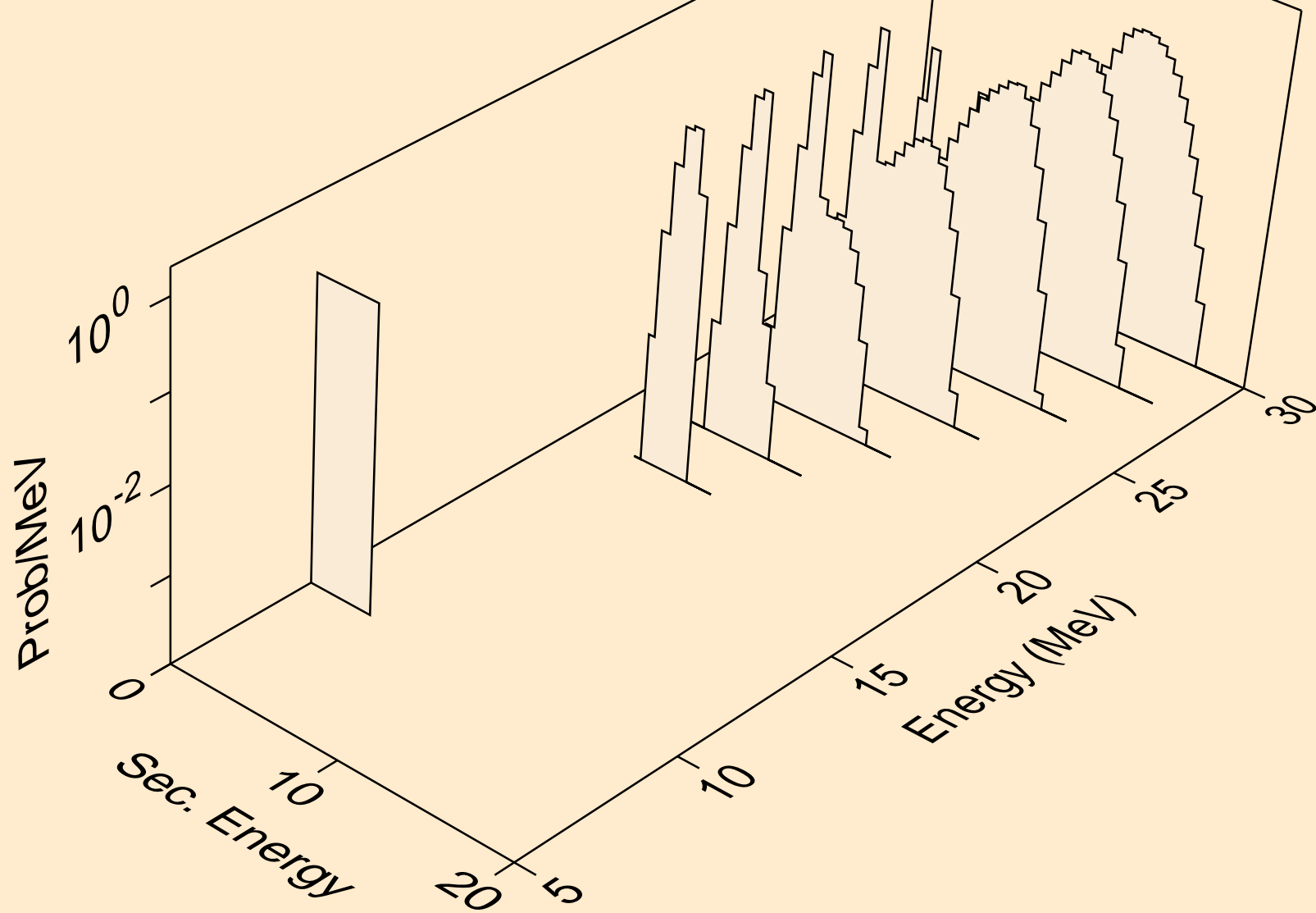




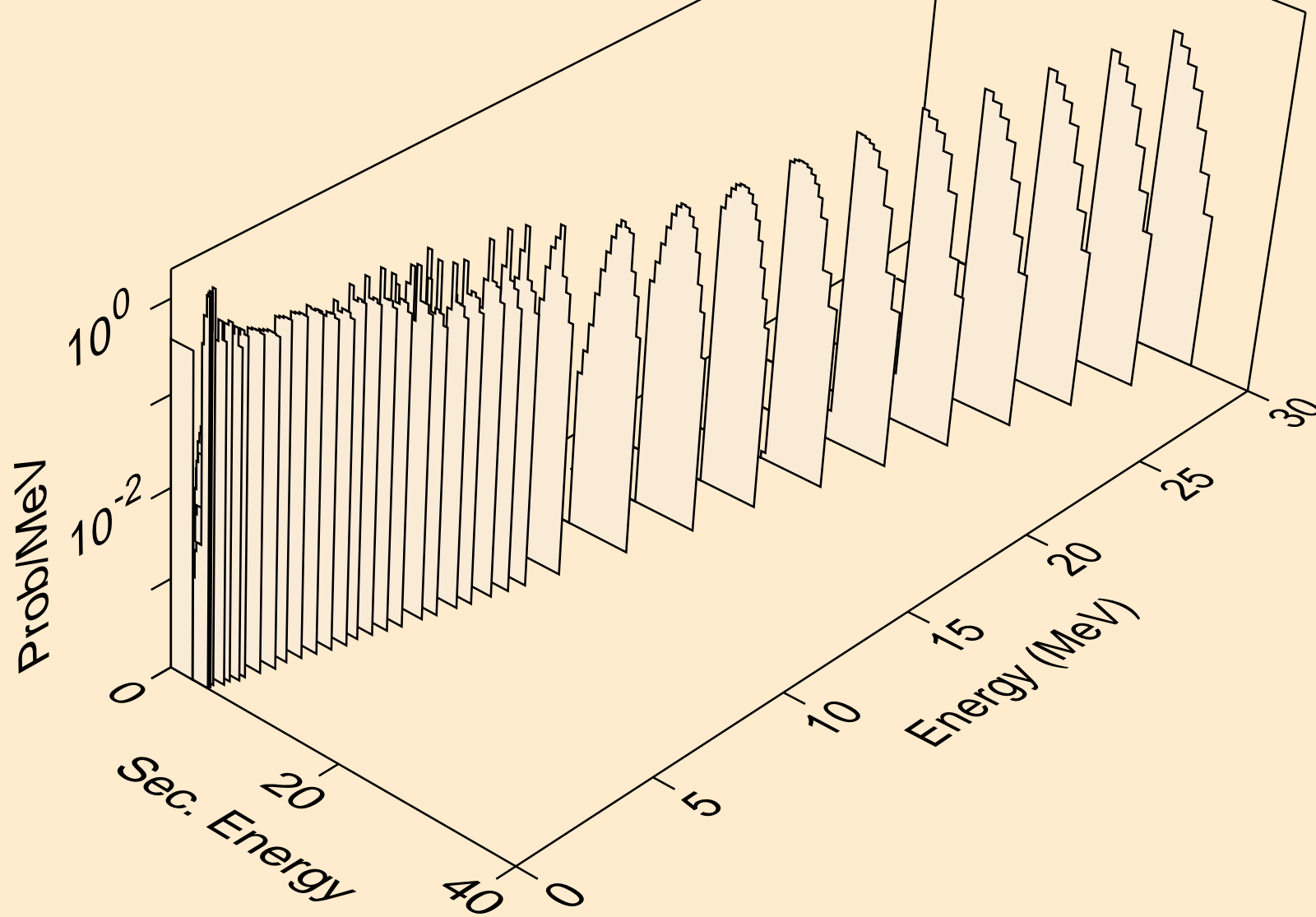
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)2a



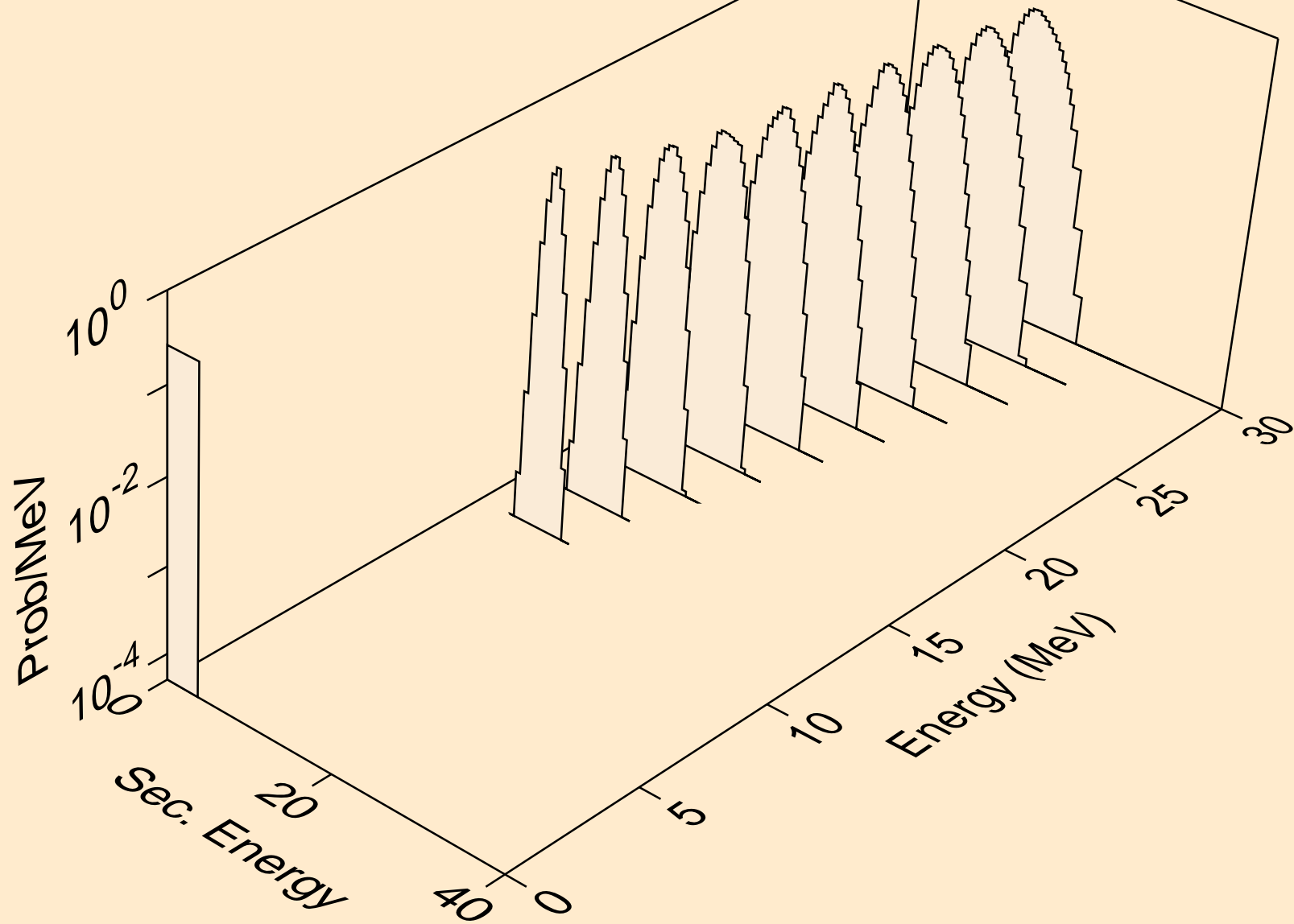
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)



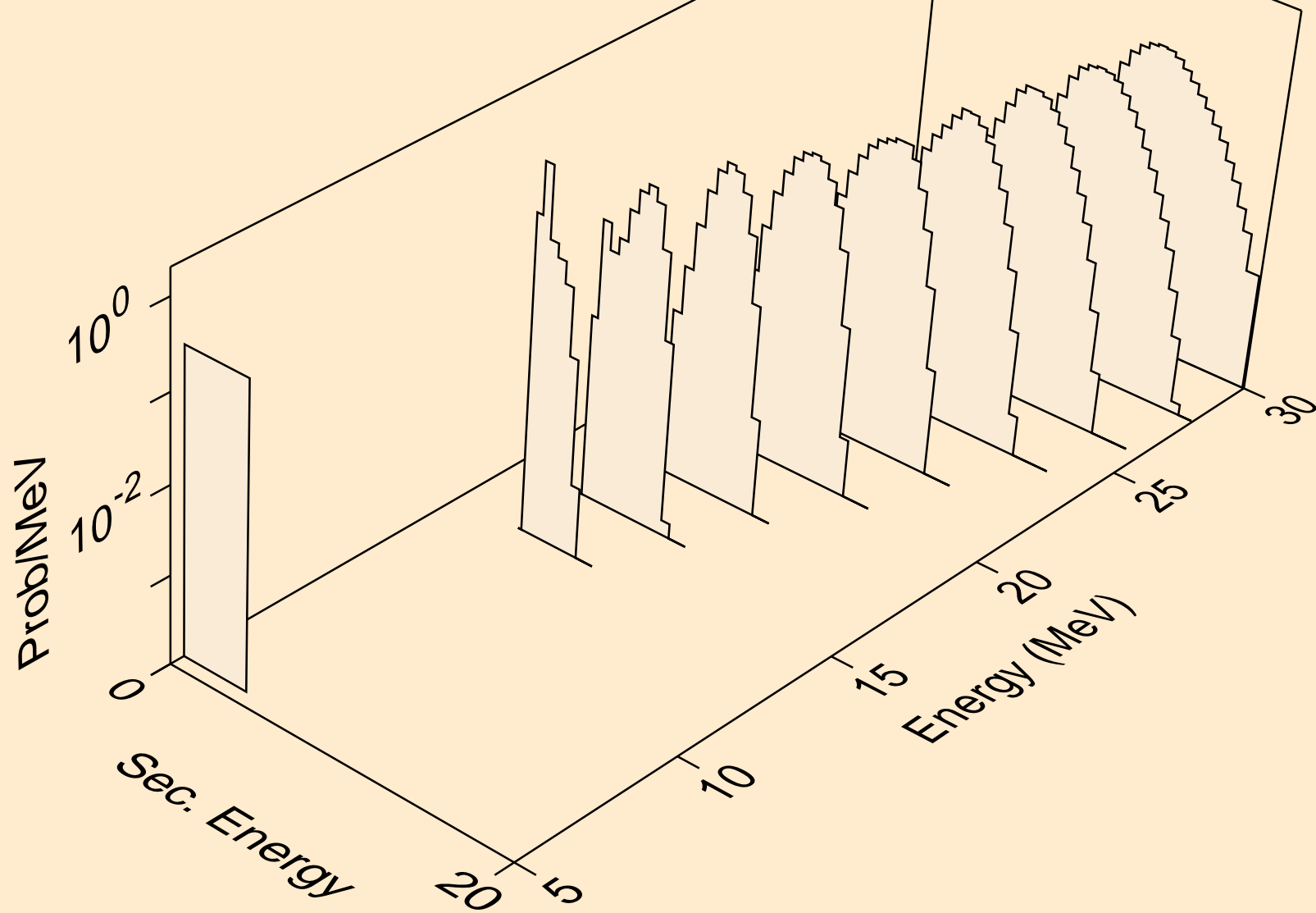
BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



BA140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

