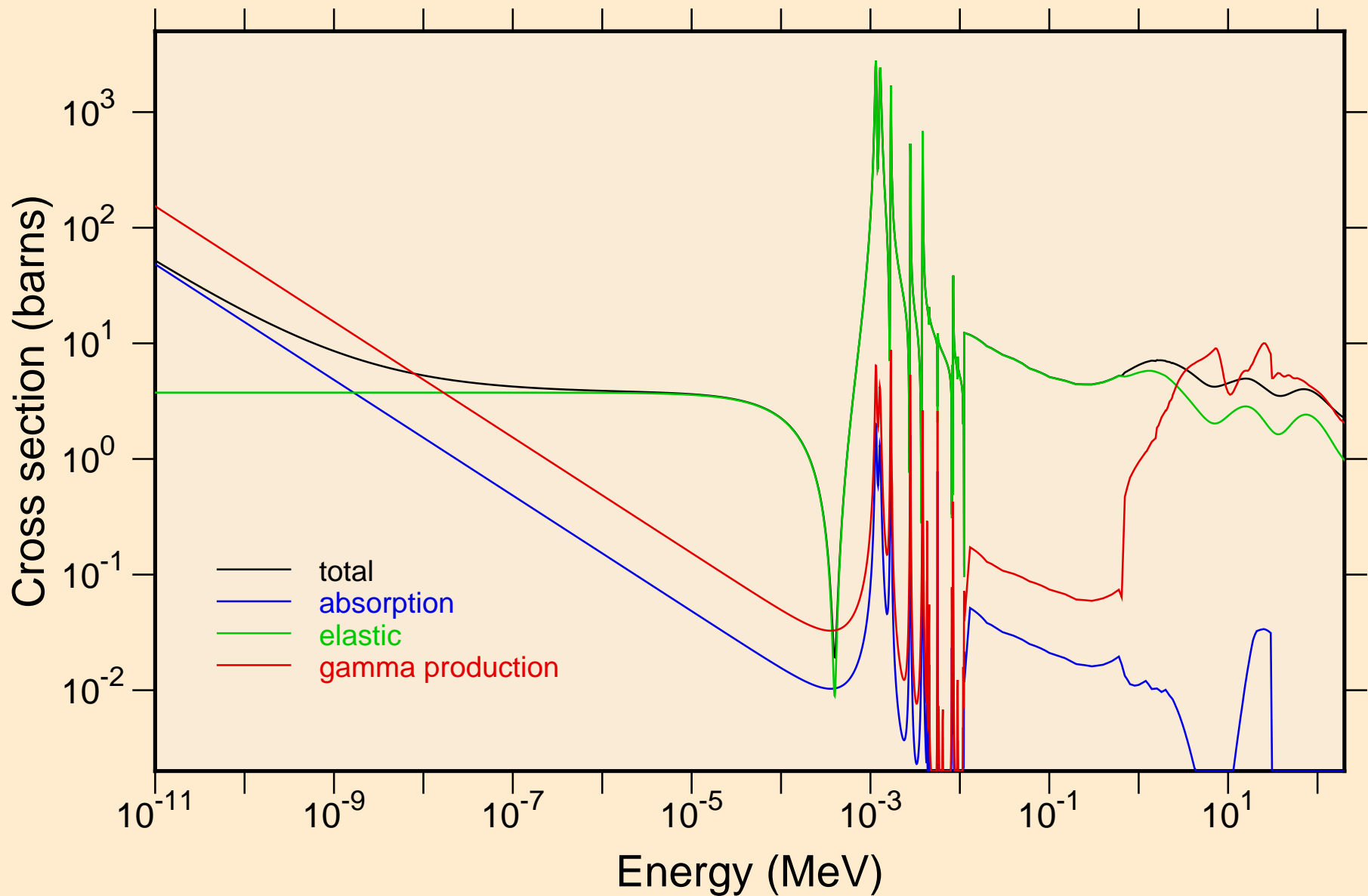
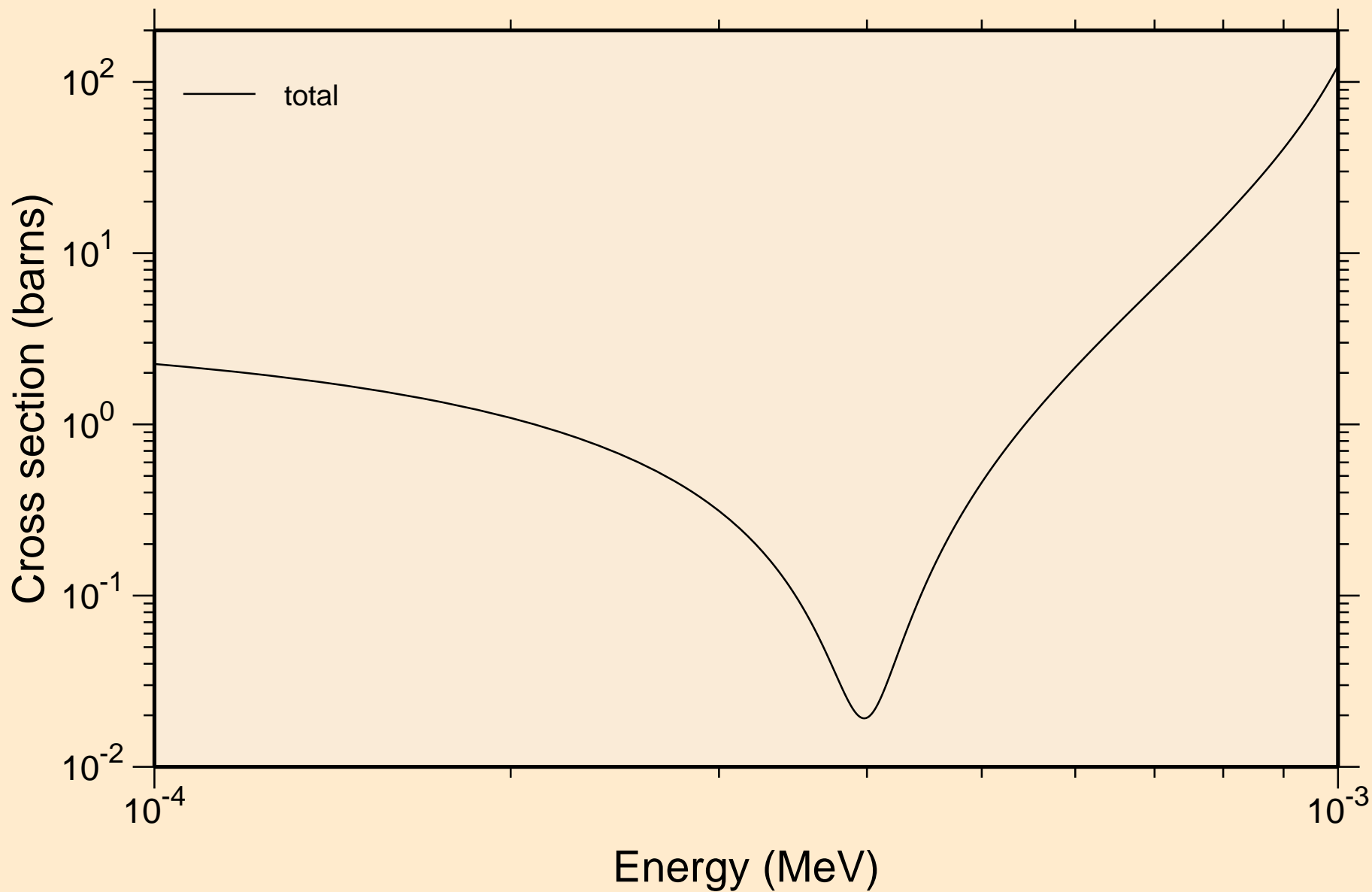


# CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

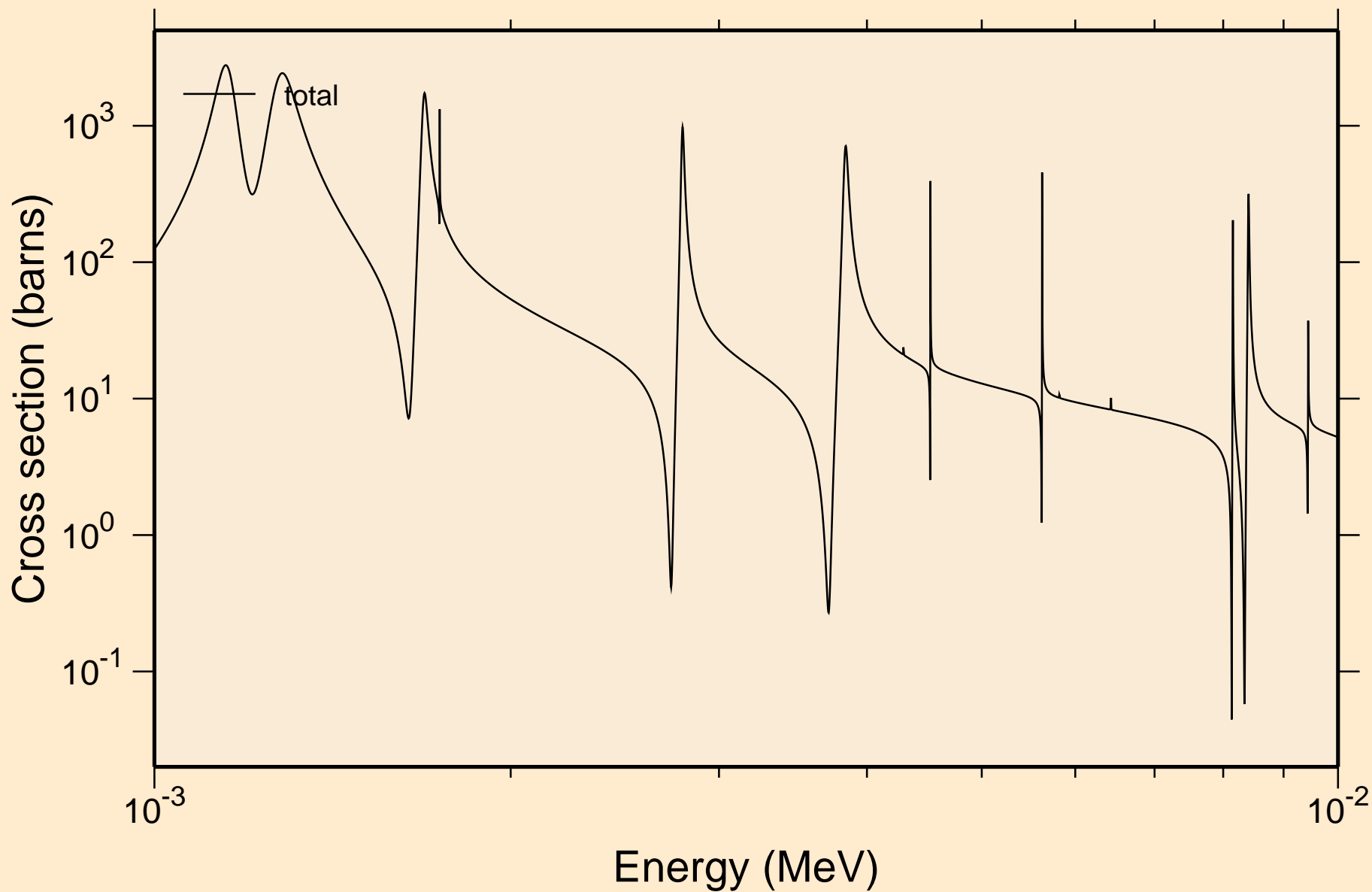
## Principal cross sections



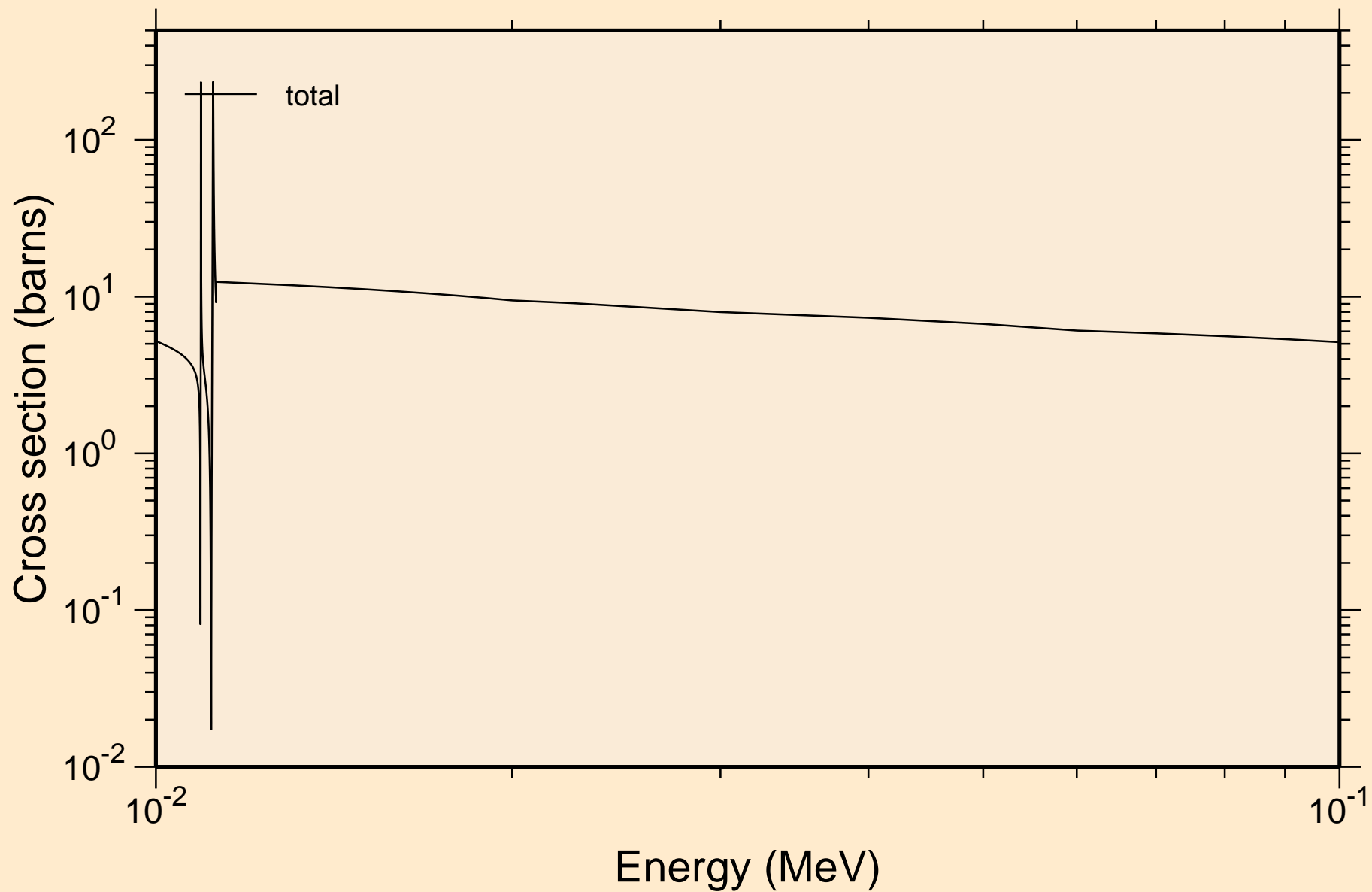
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



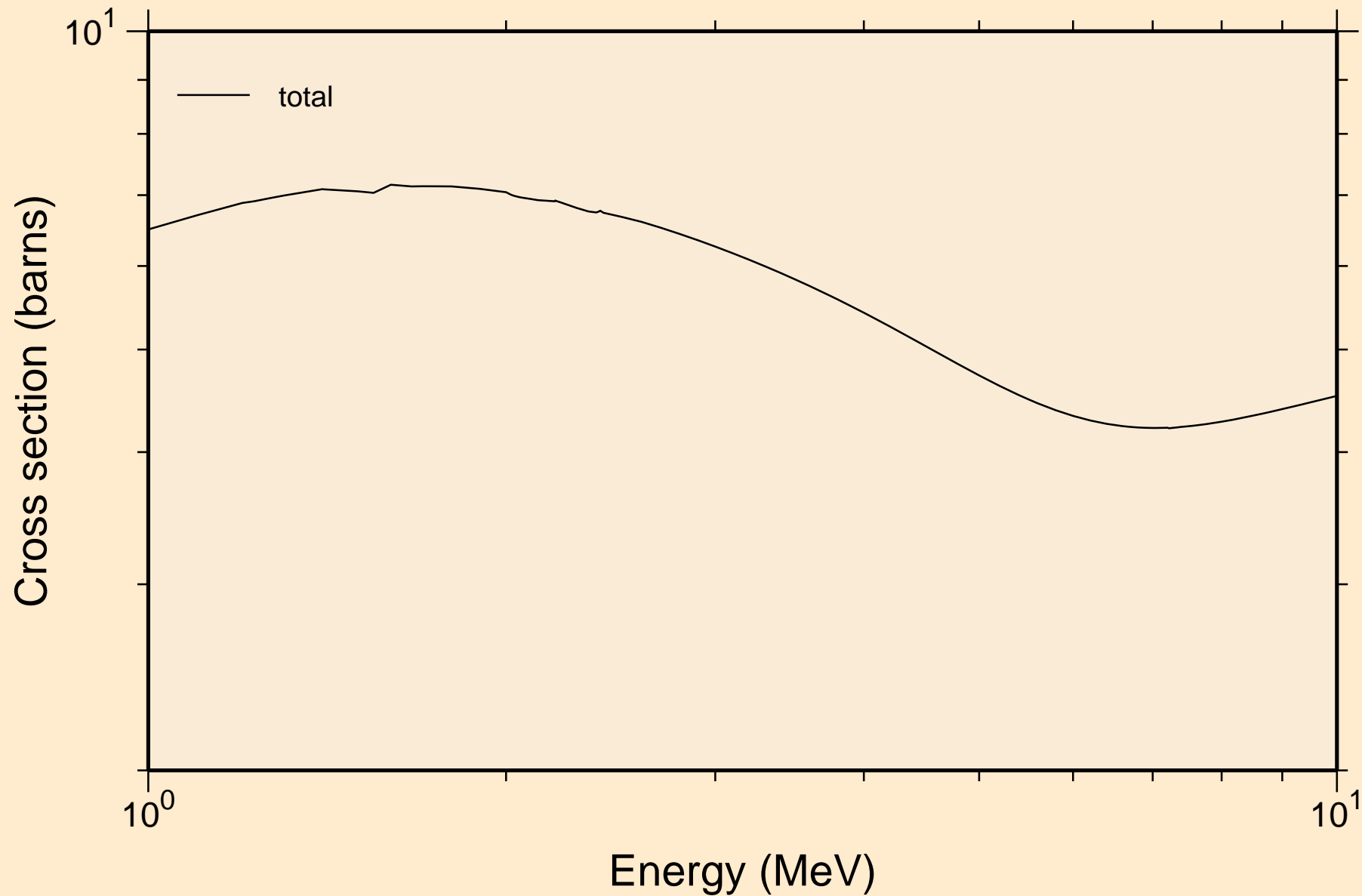
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



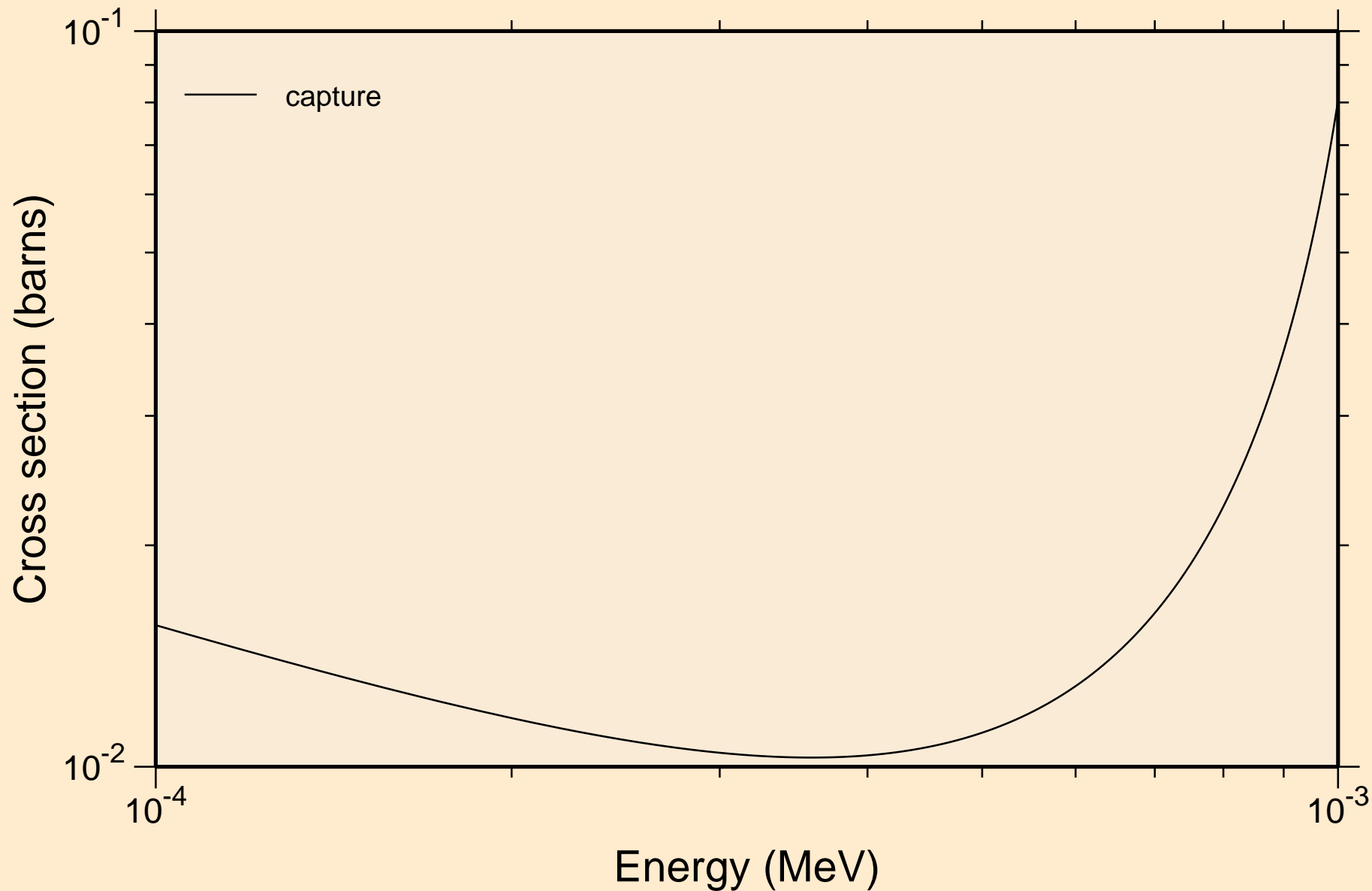
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



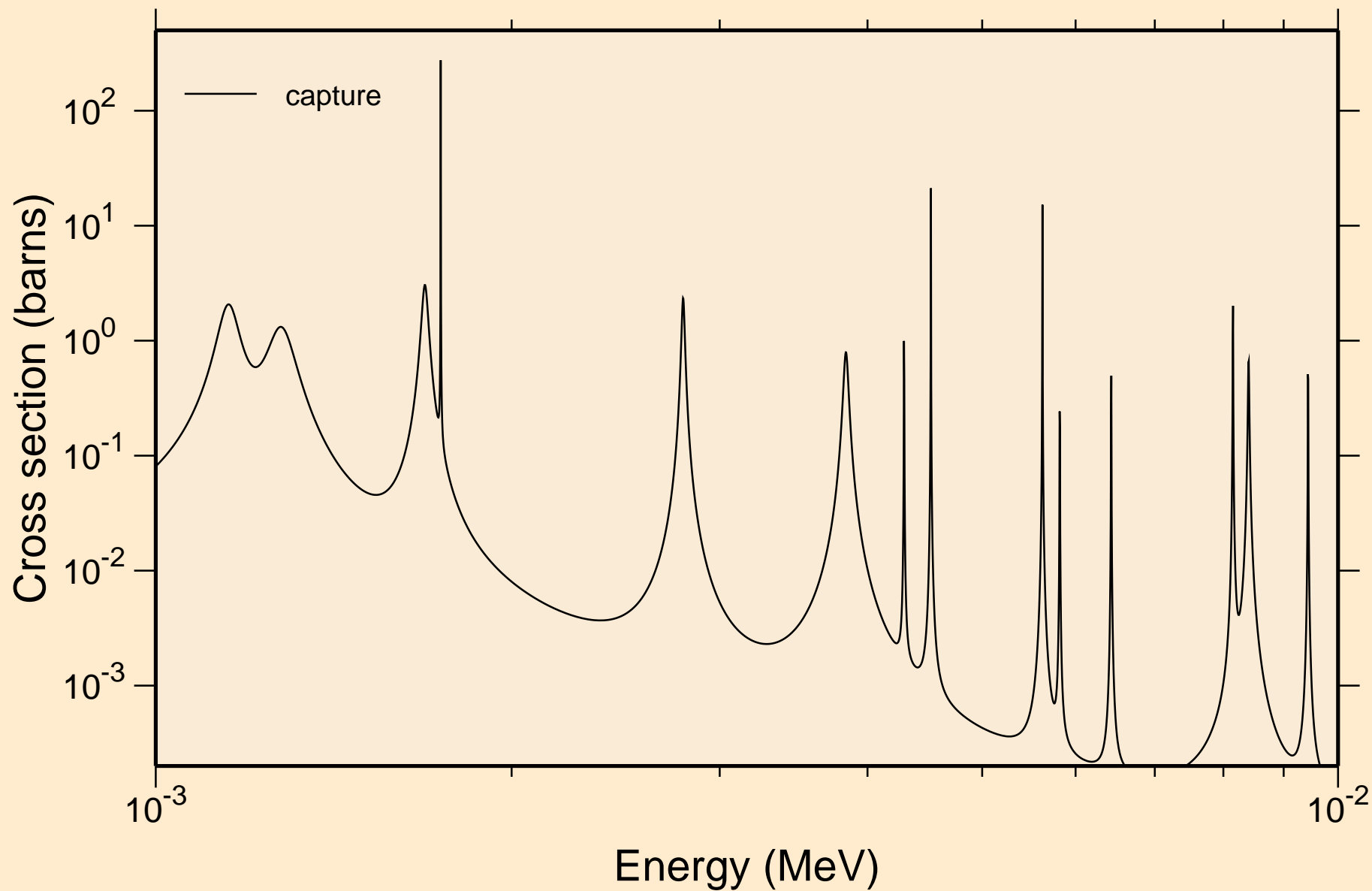
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



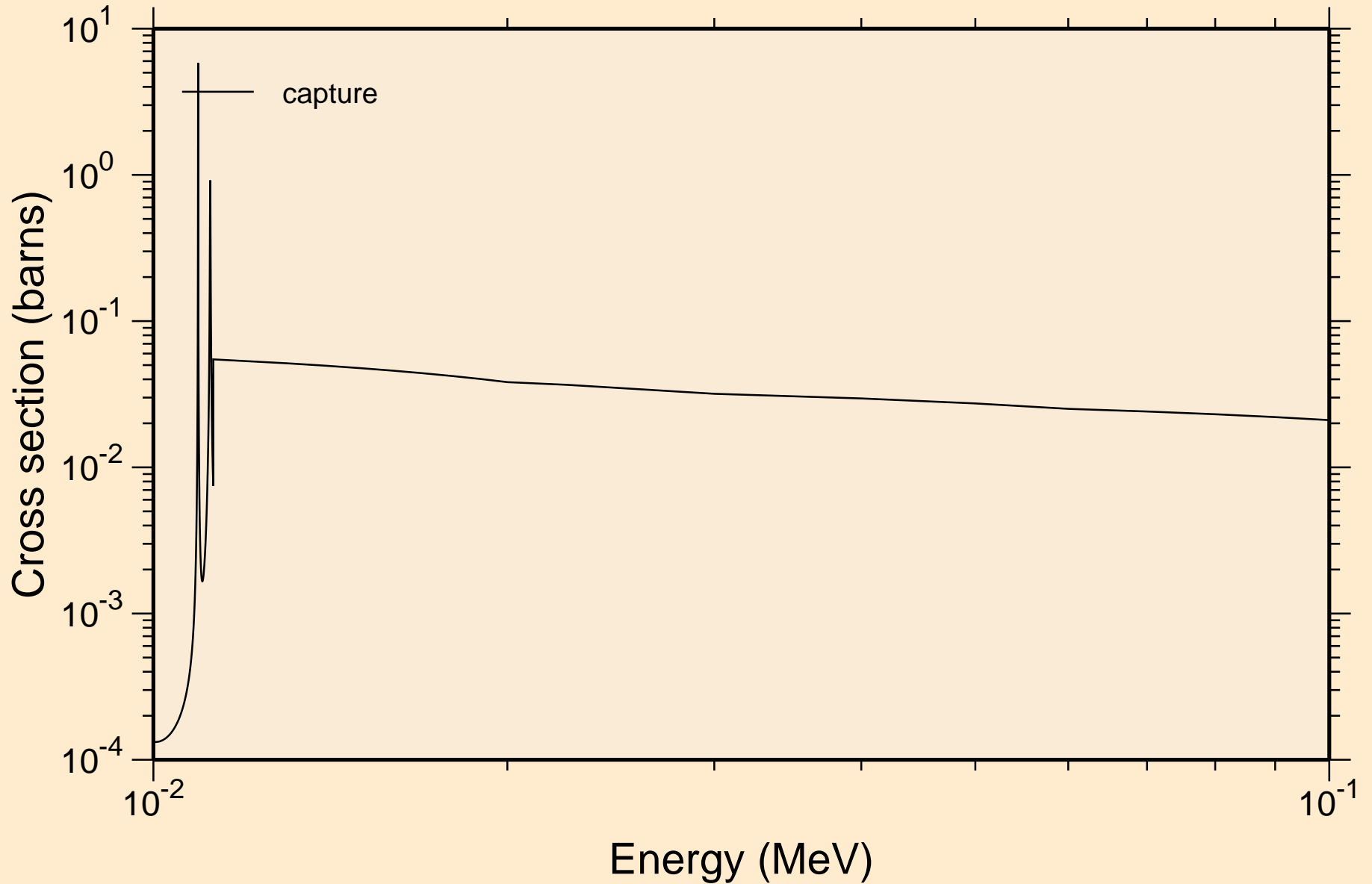
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

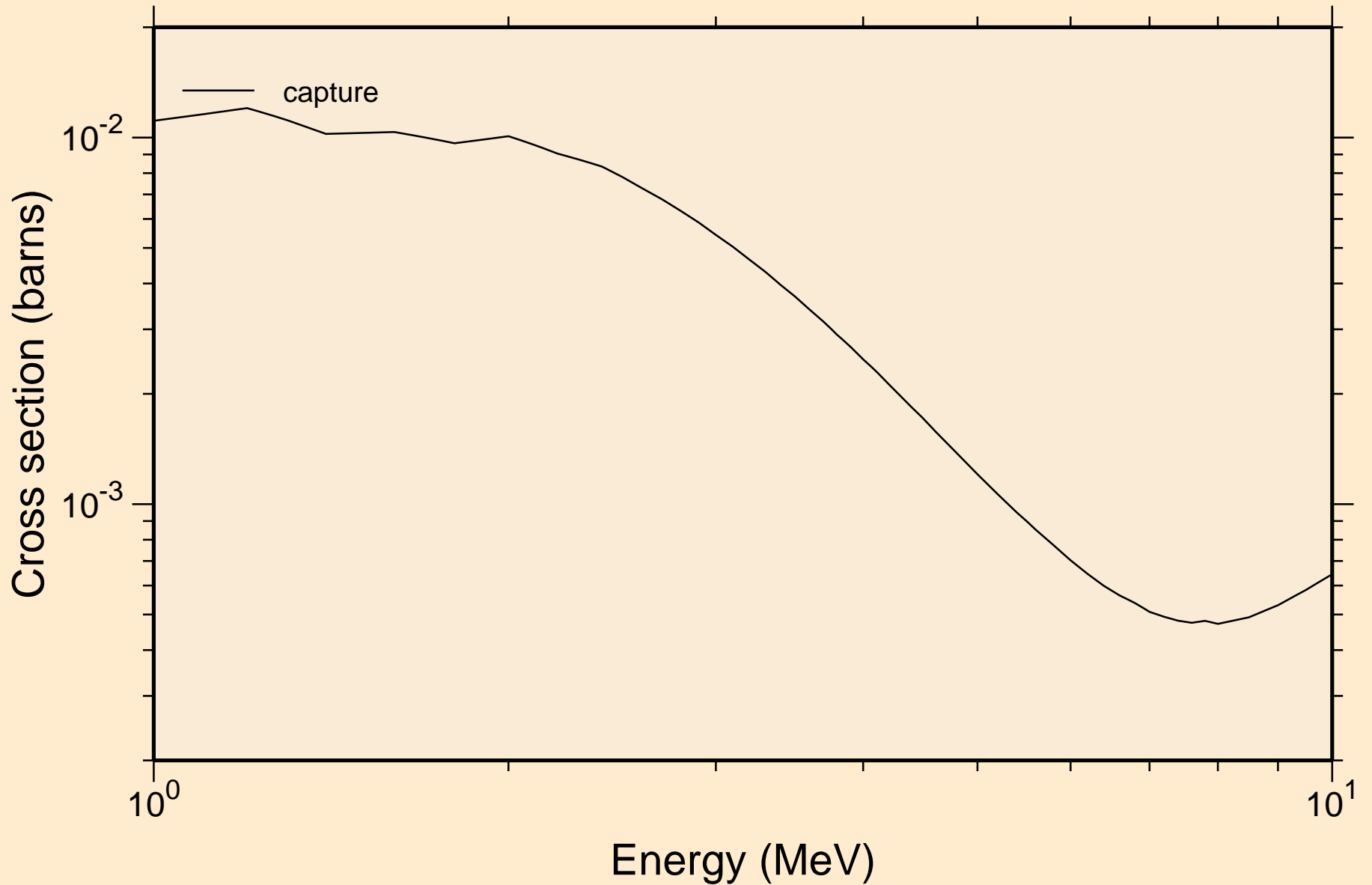


CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

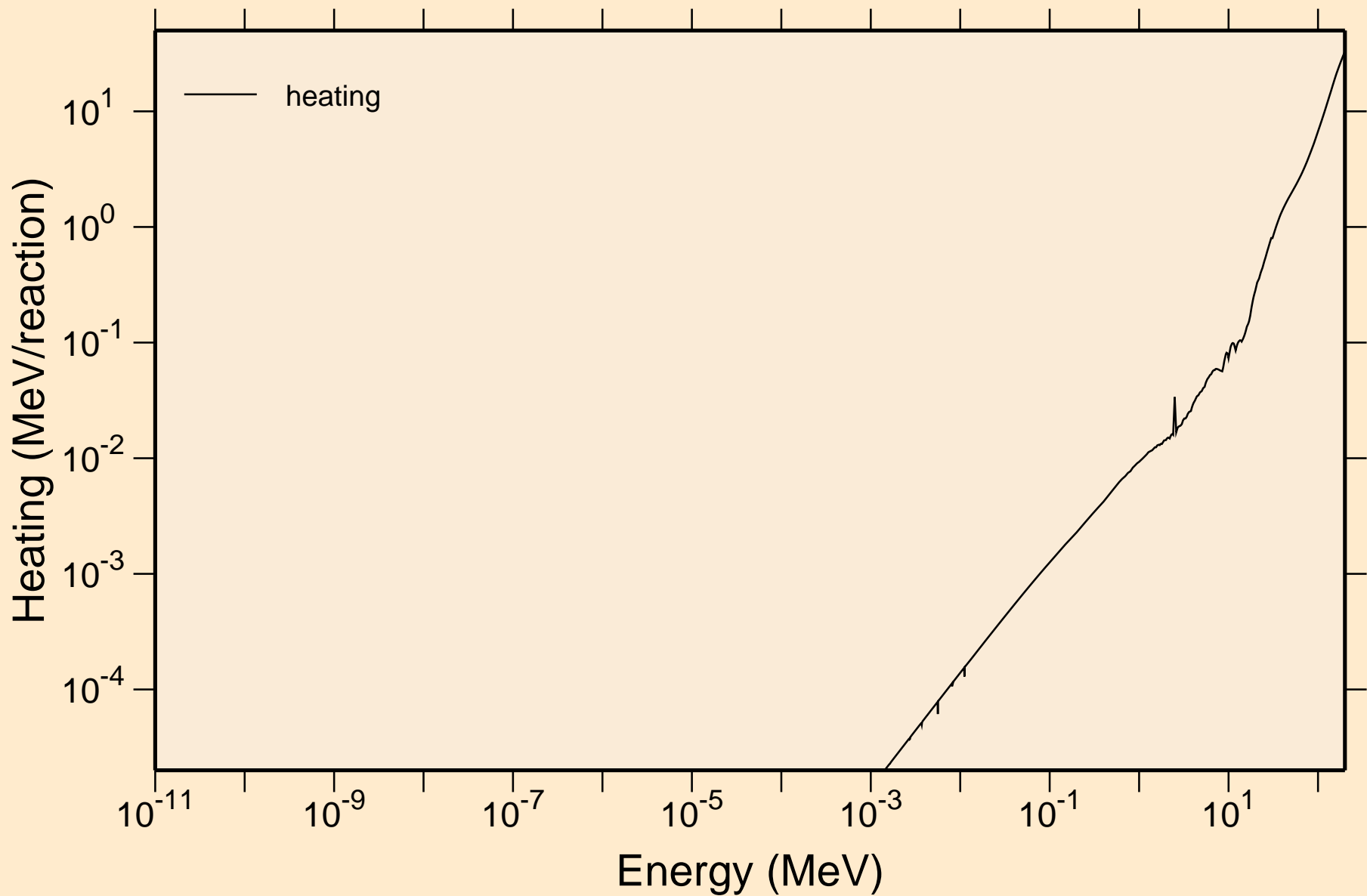




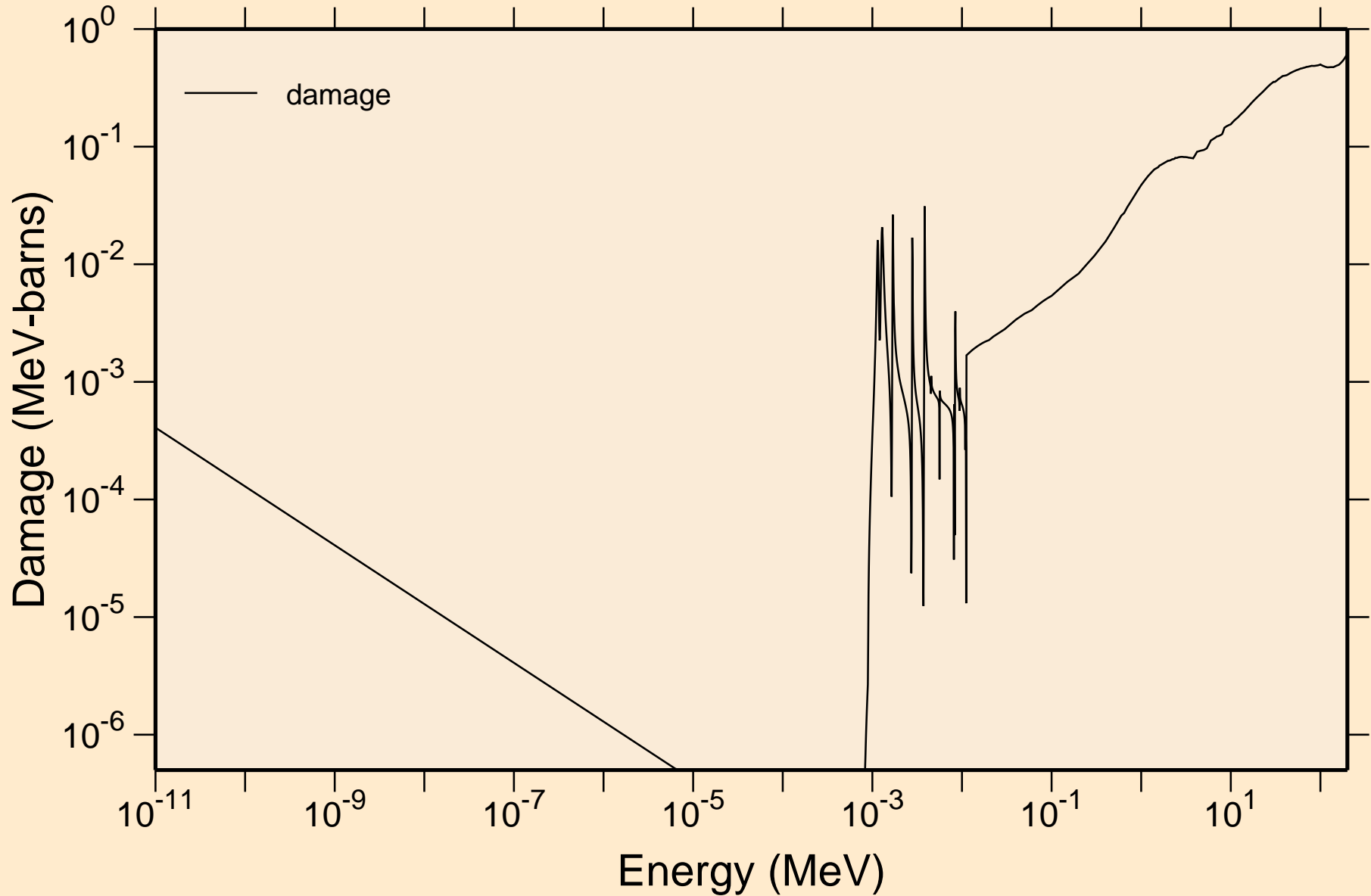
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating

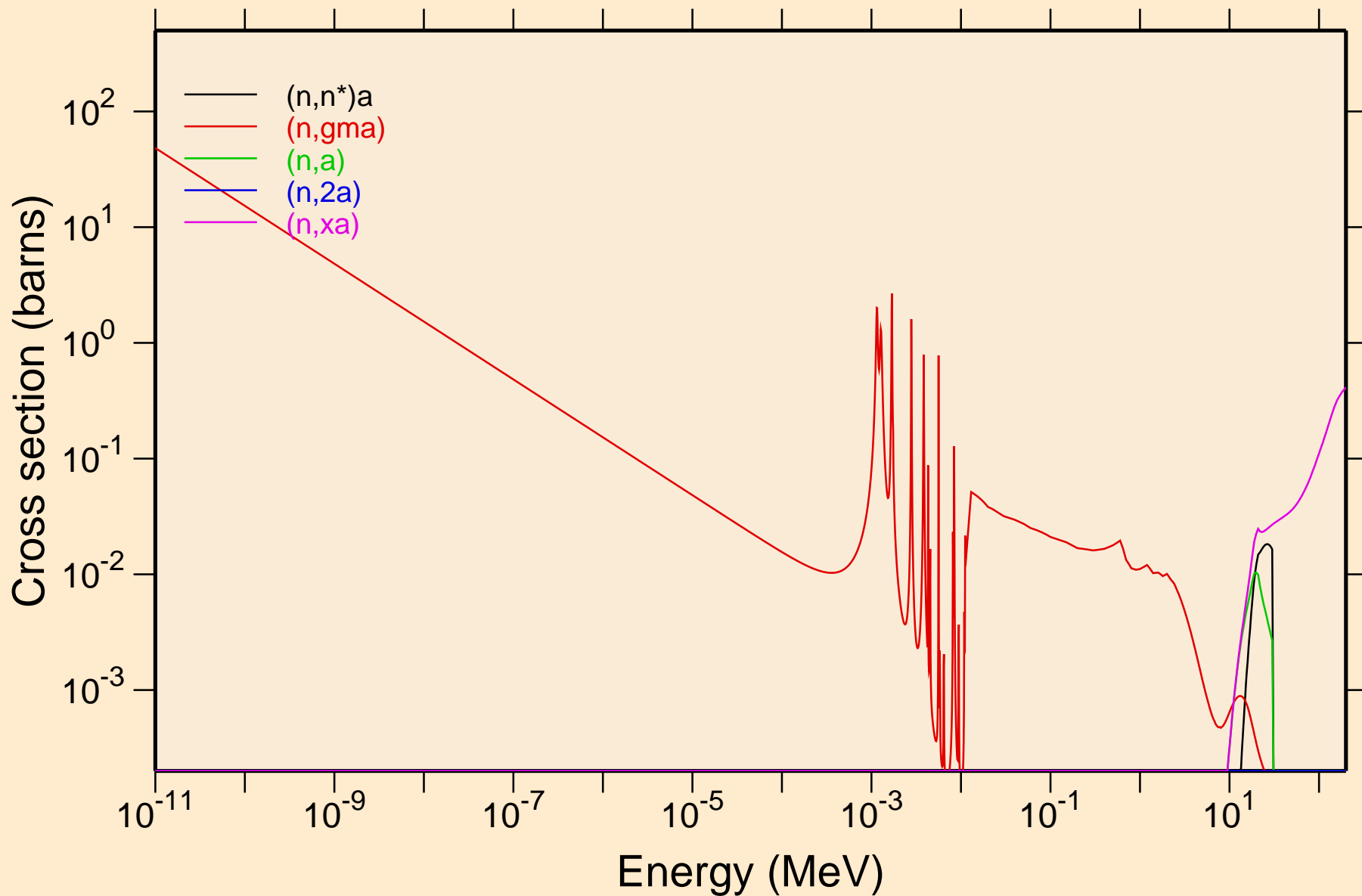


CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



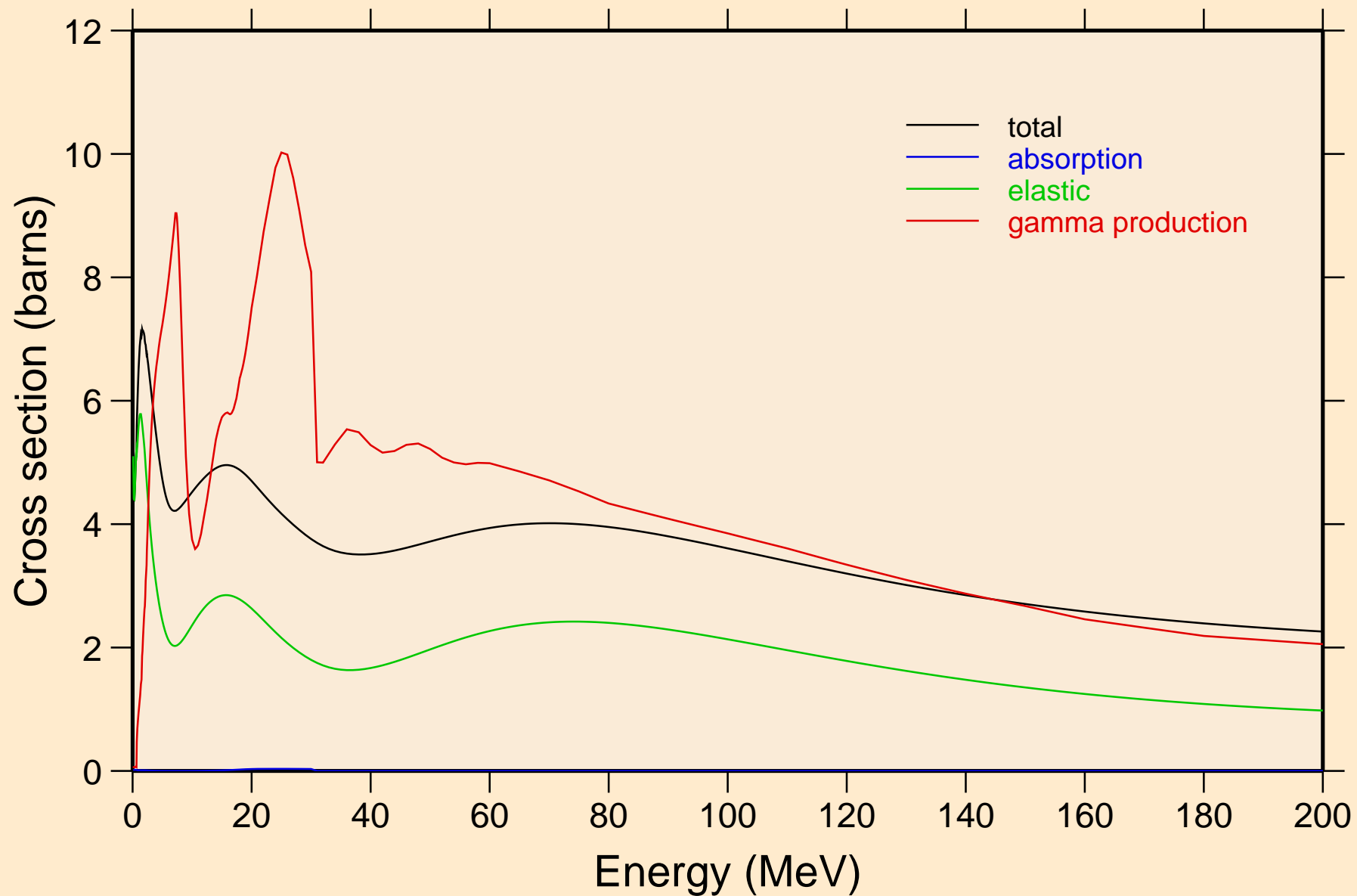
# CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

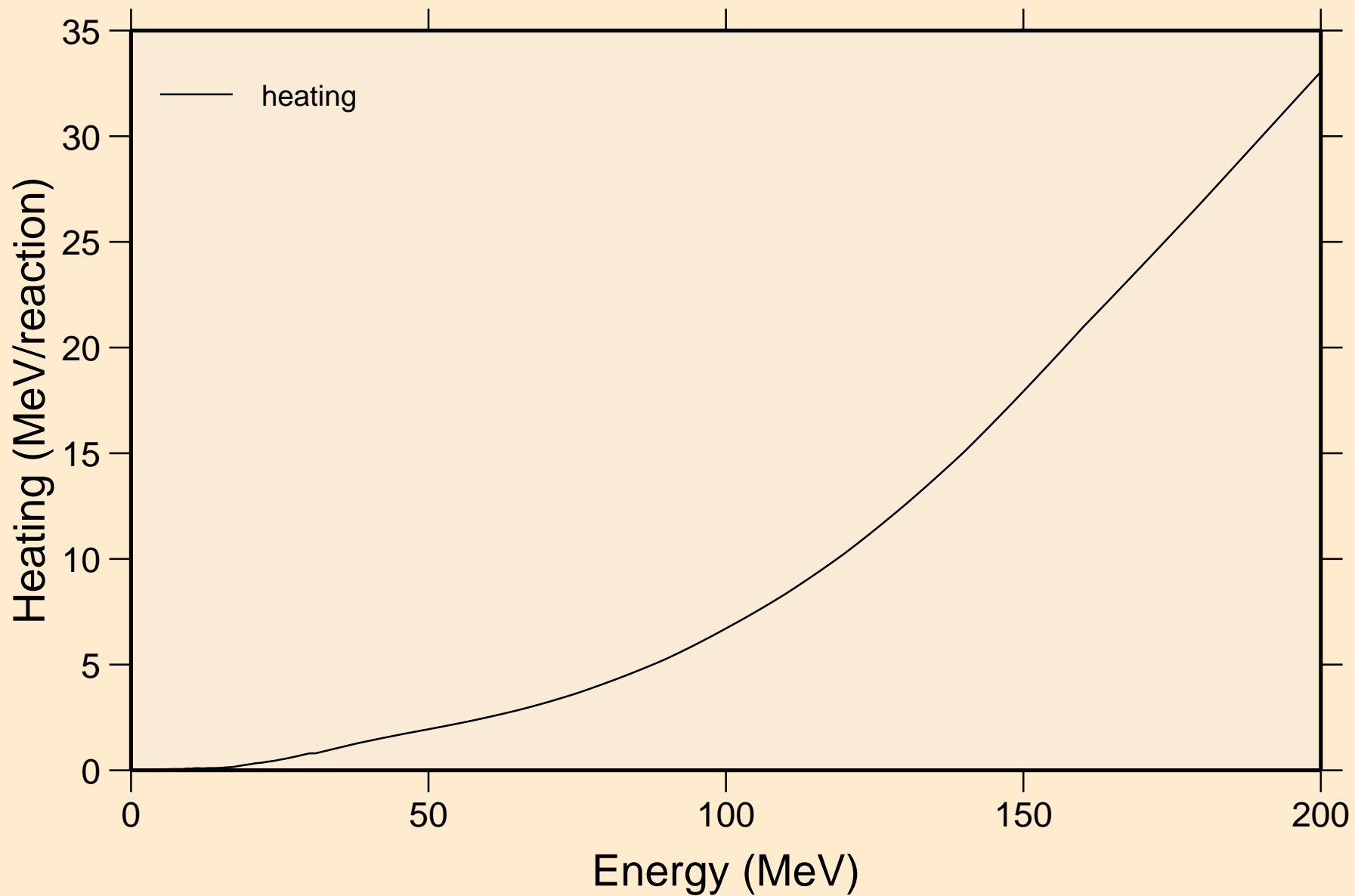


# CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

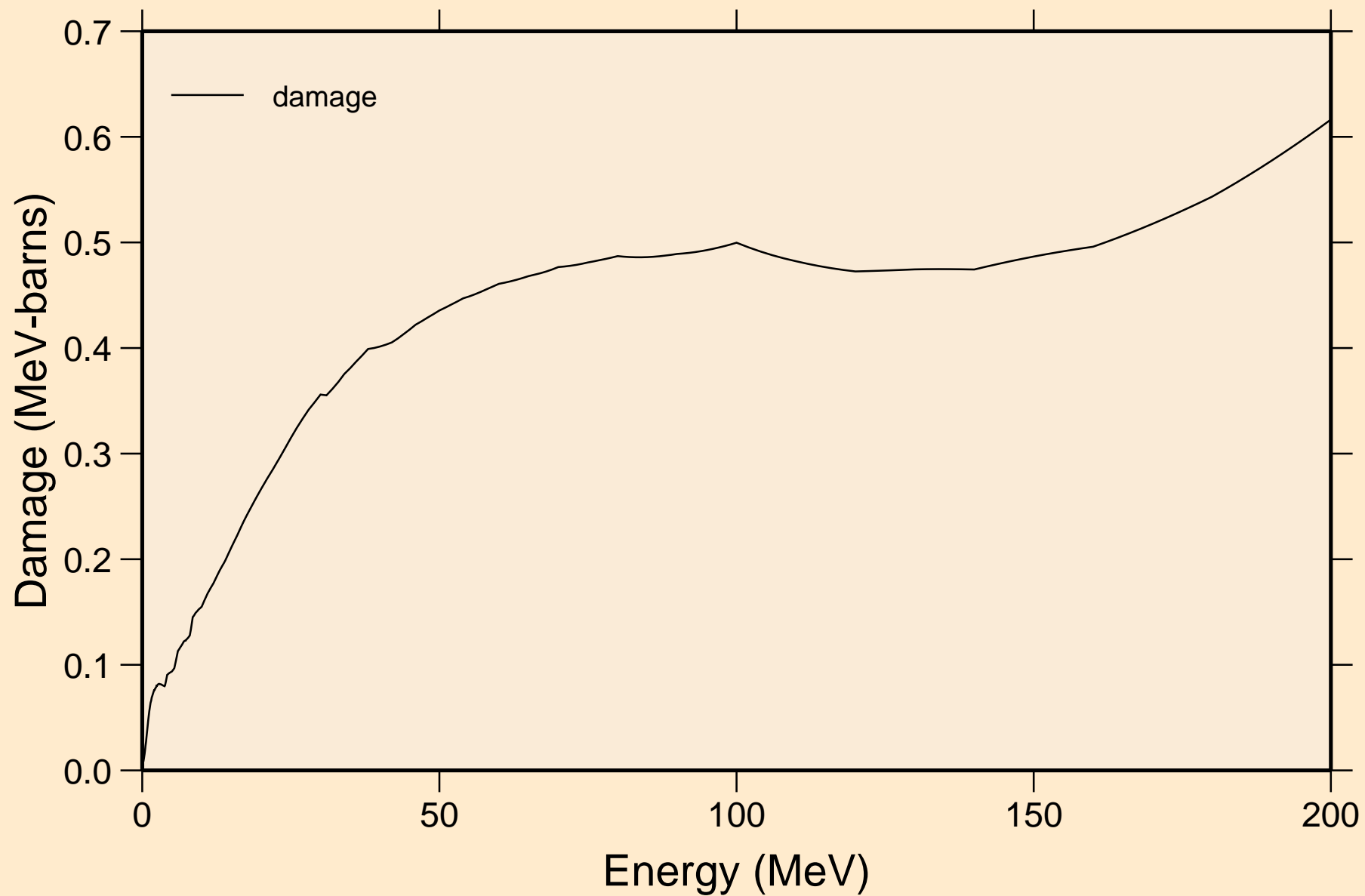


CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating

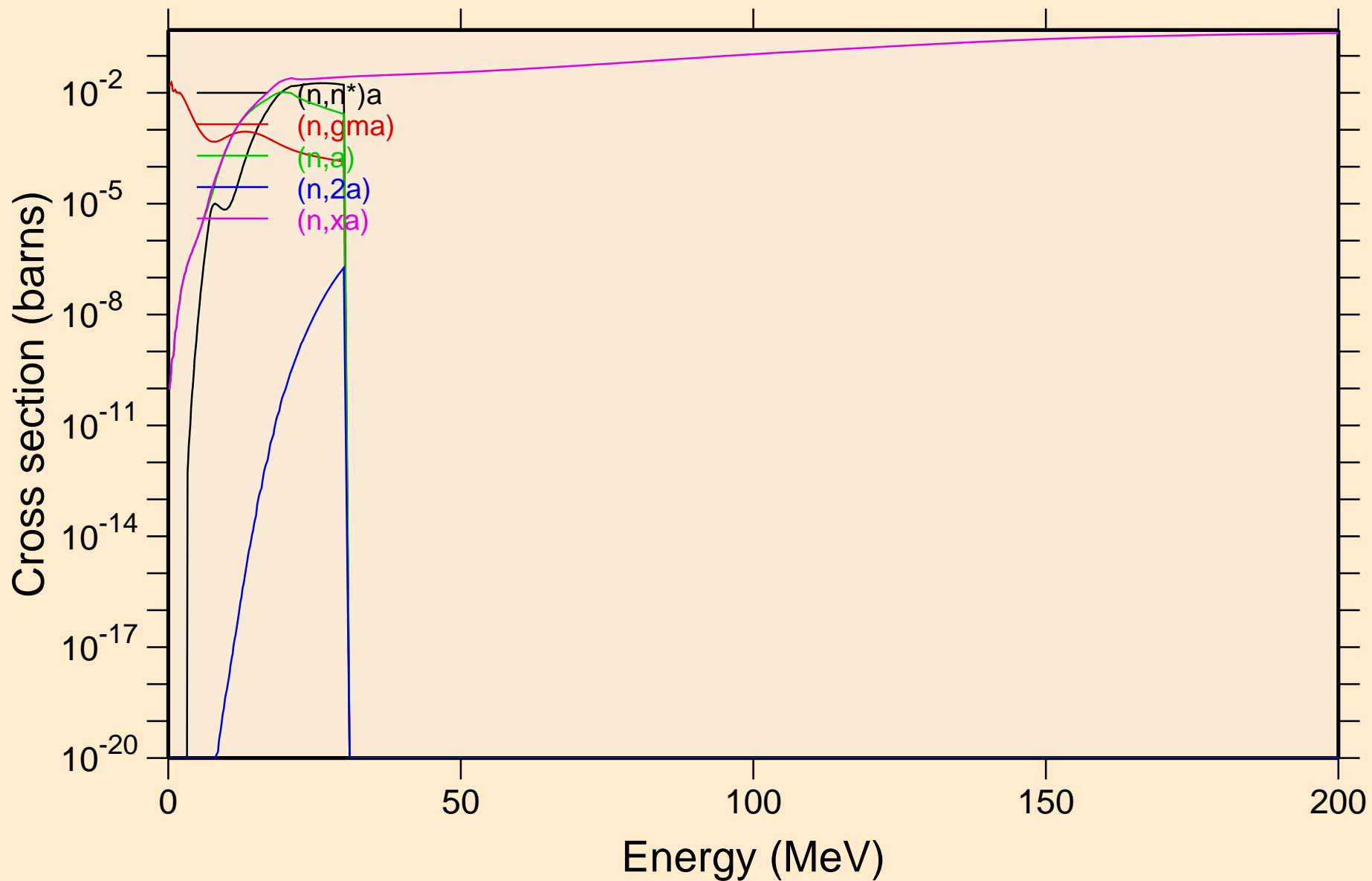


# CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage

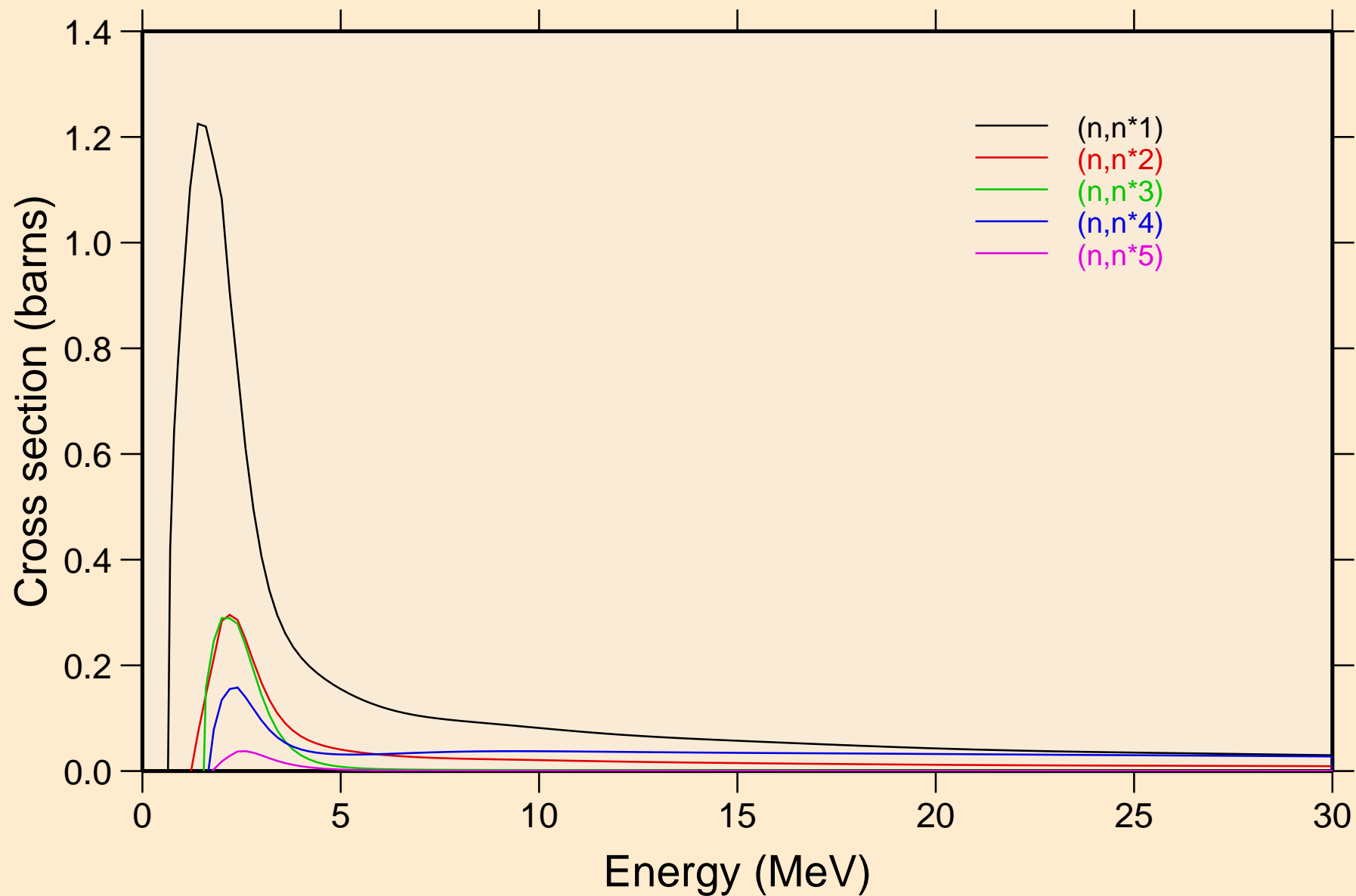


CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

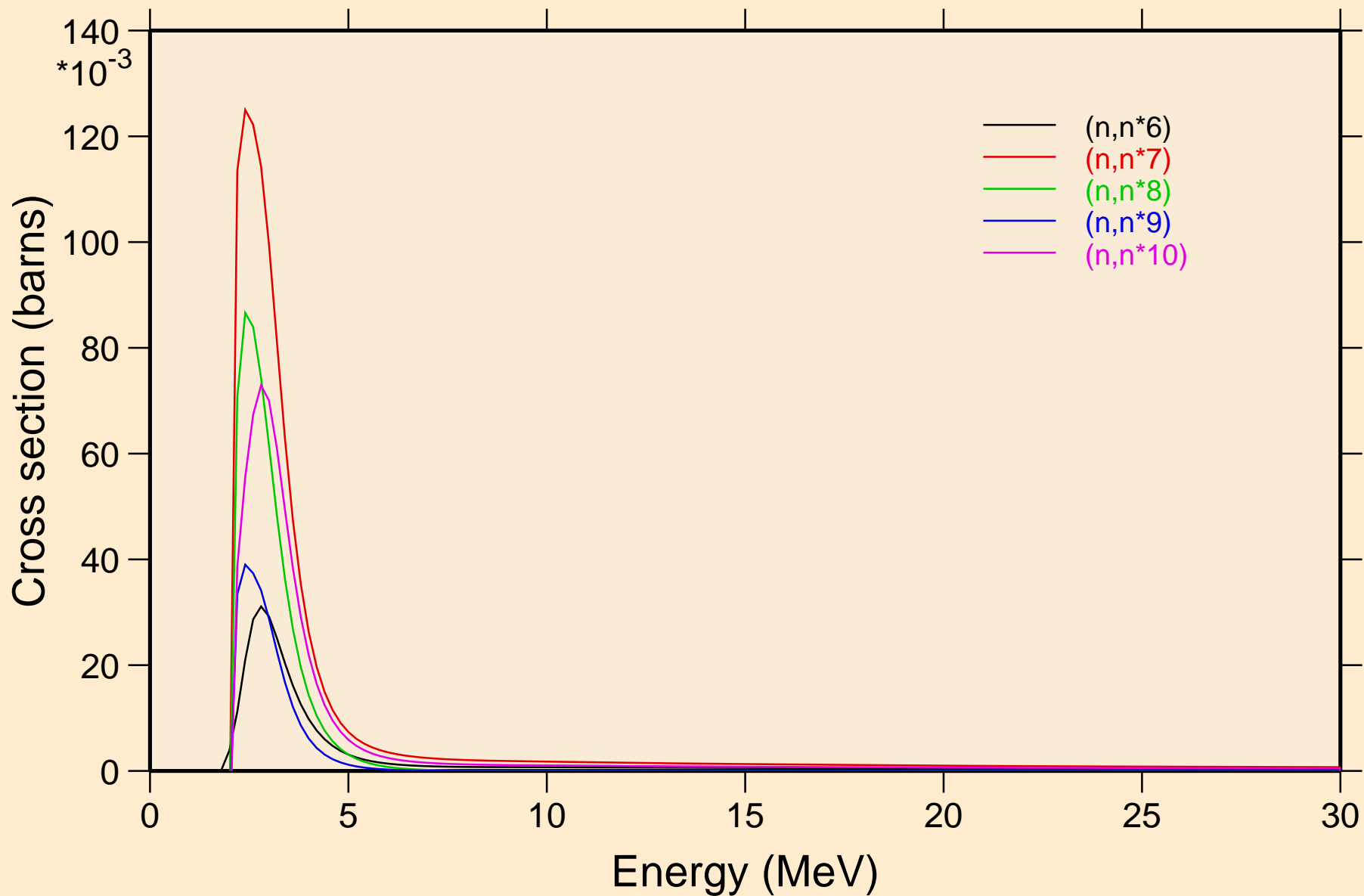




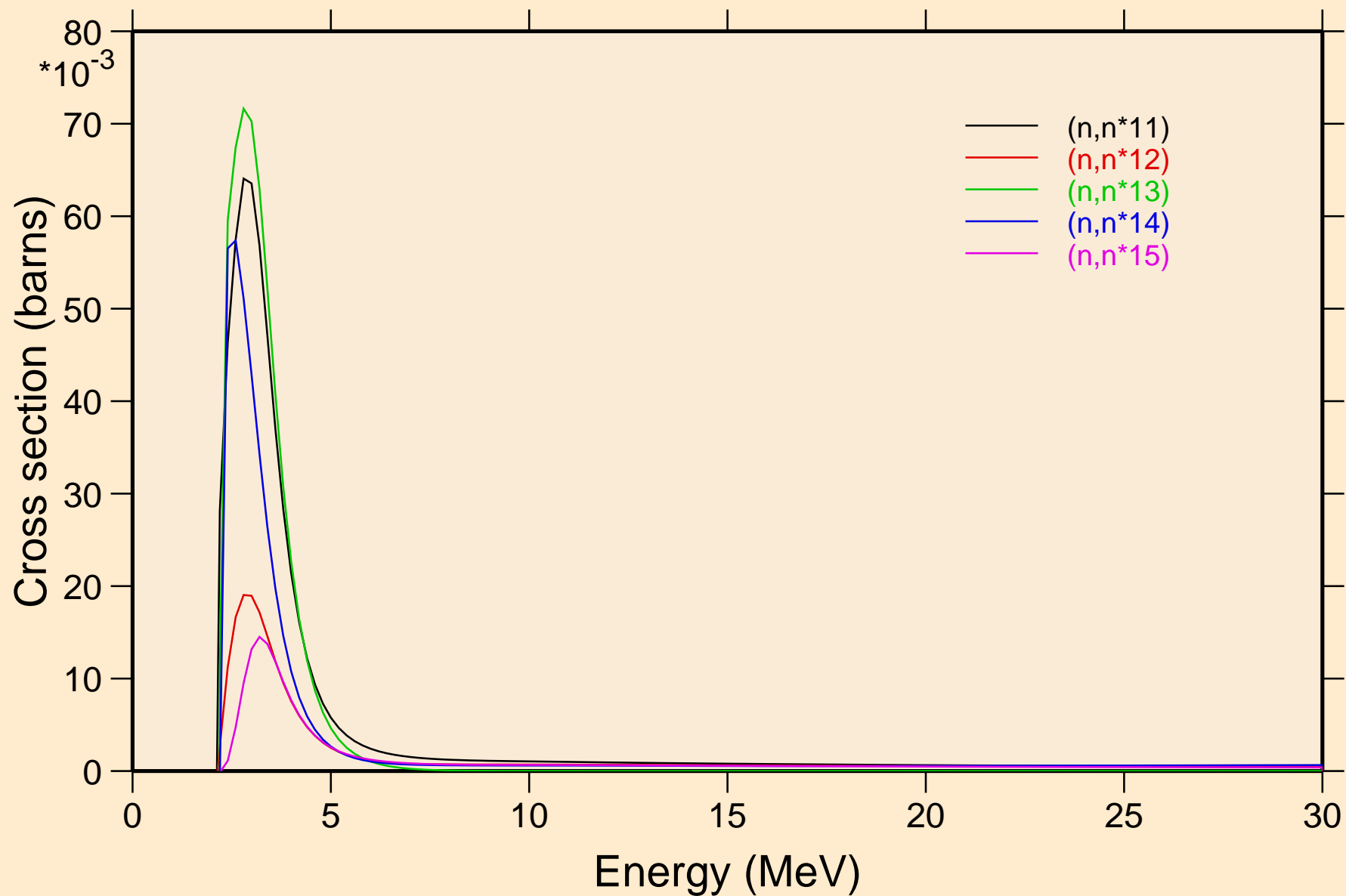
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

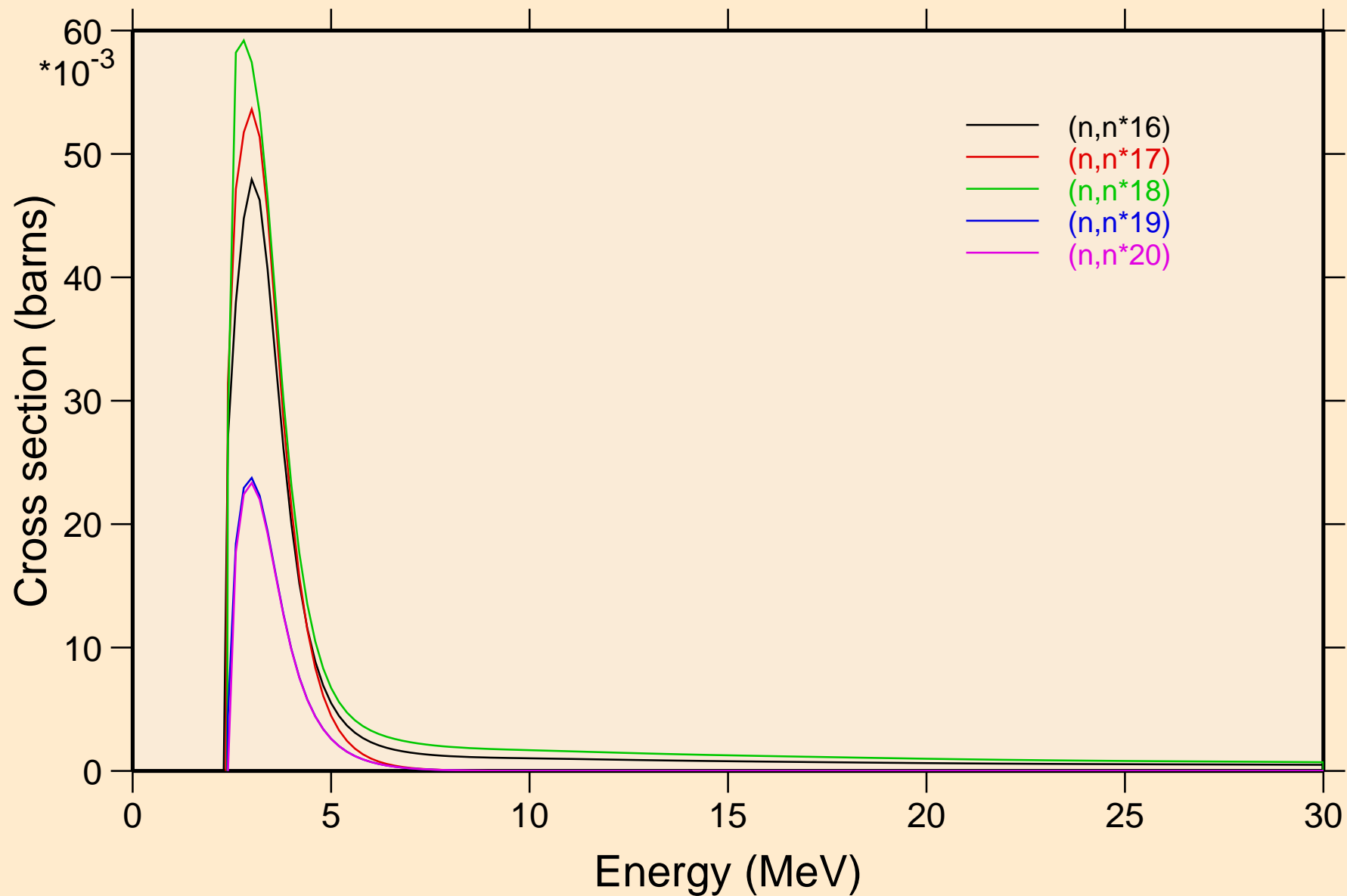


CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

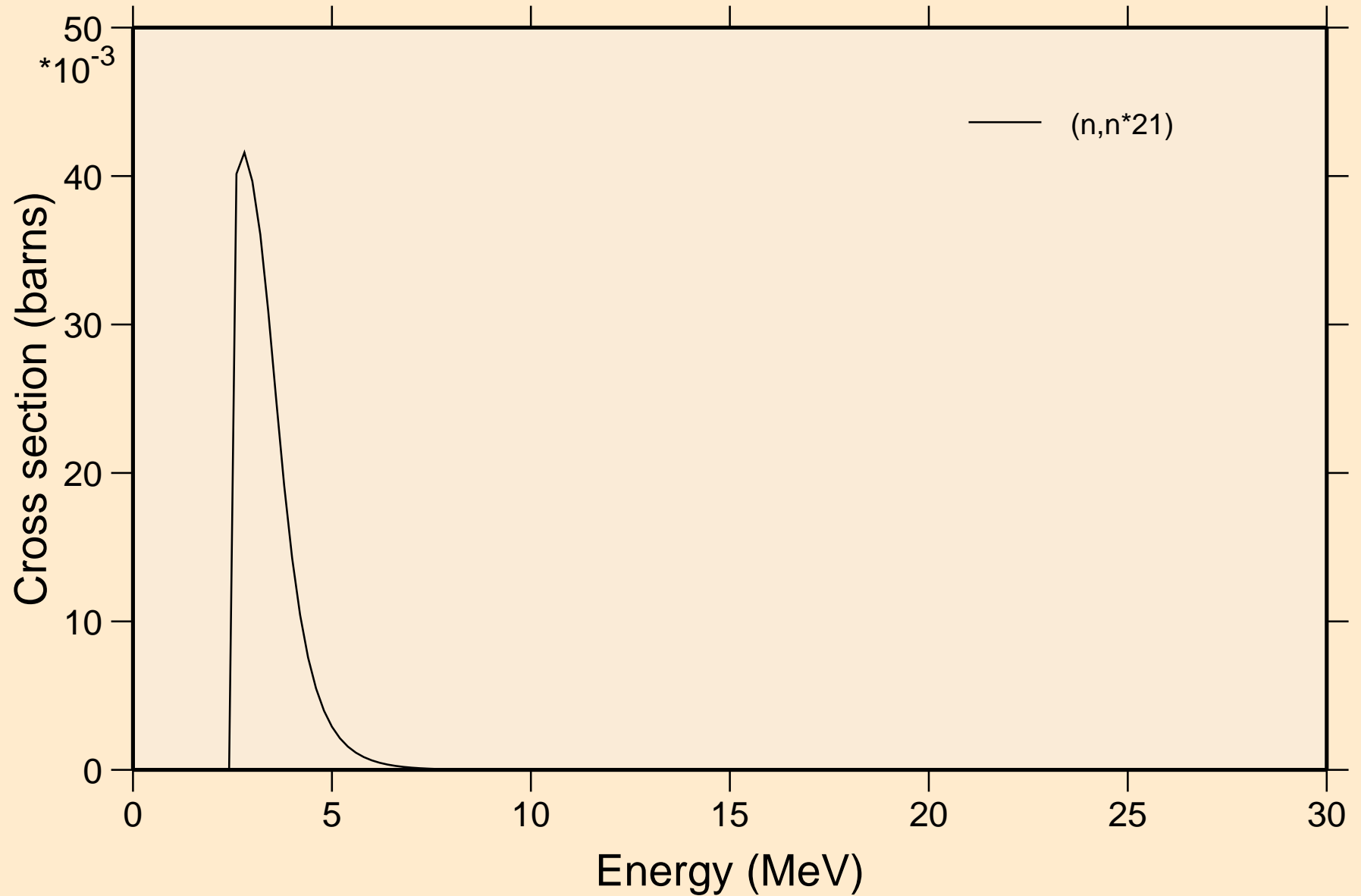


# CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels

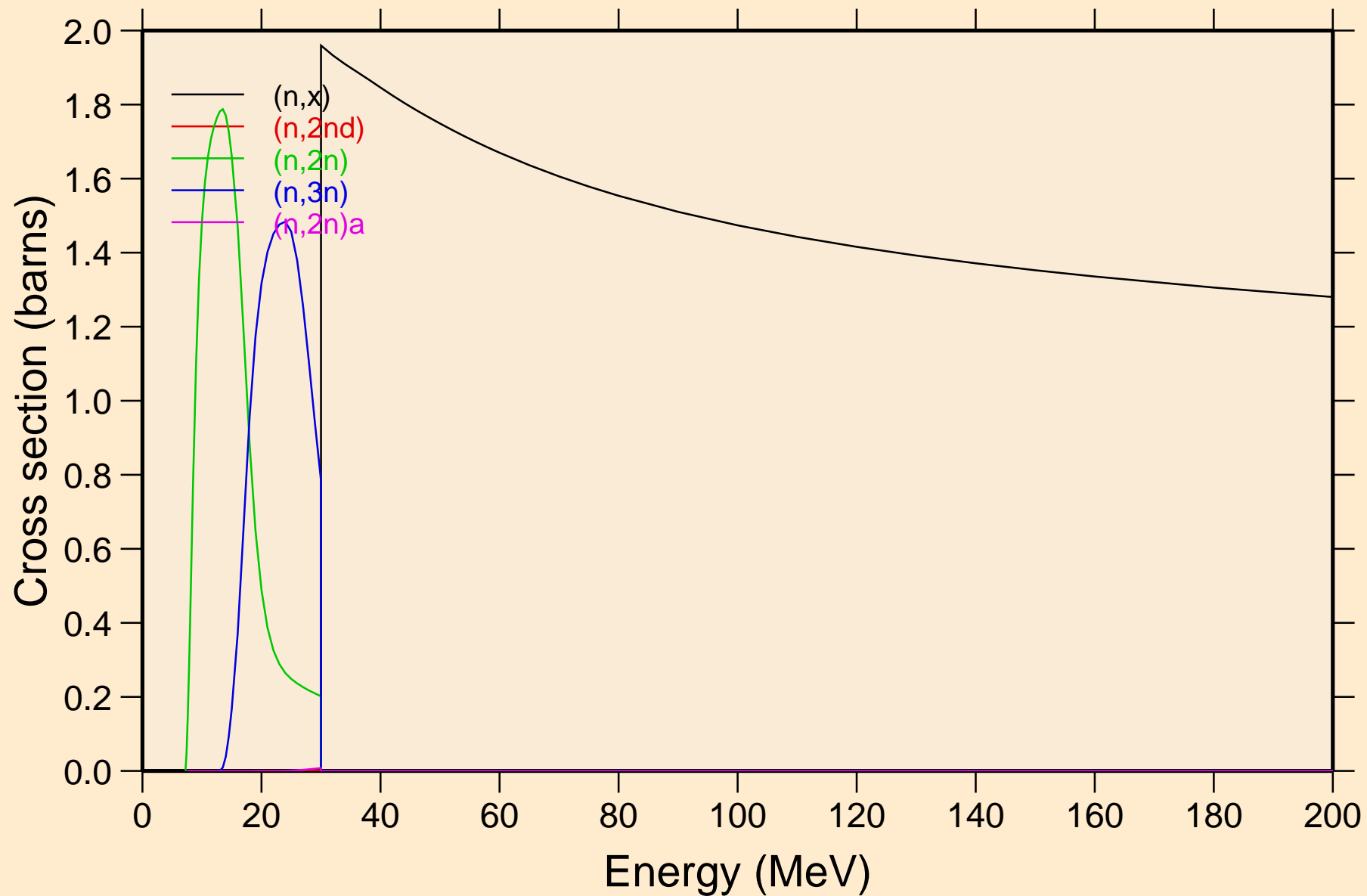


CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



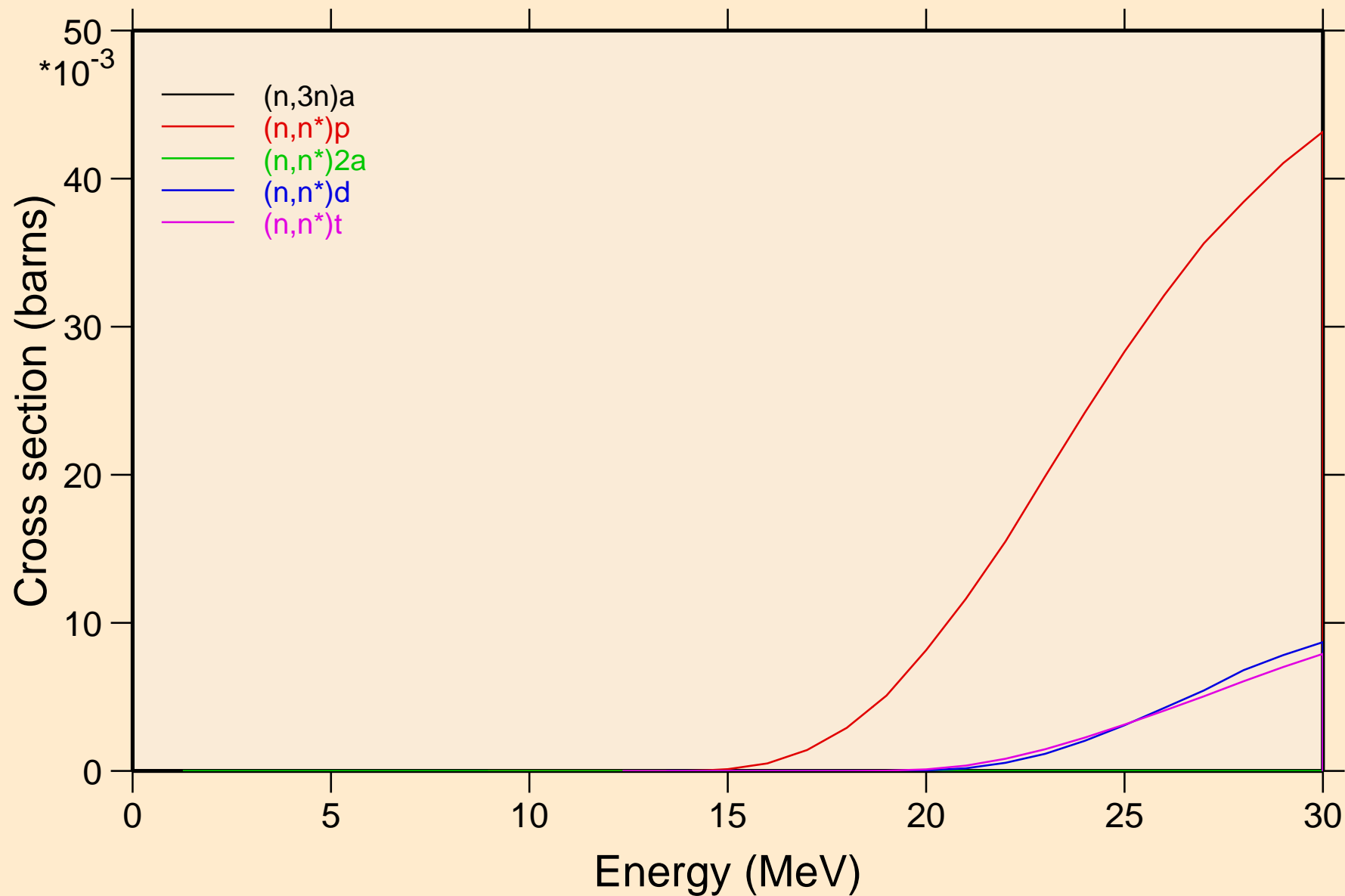
# CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

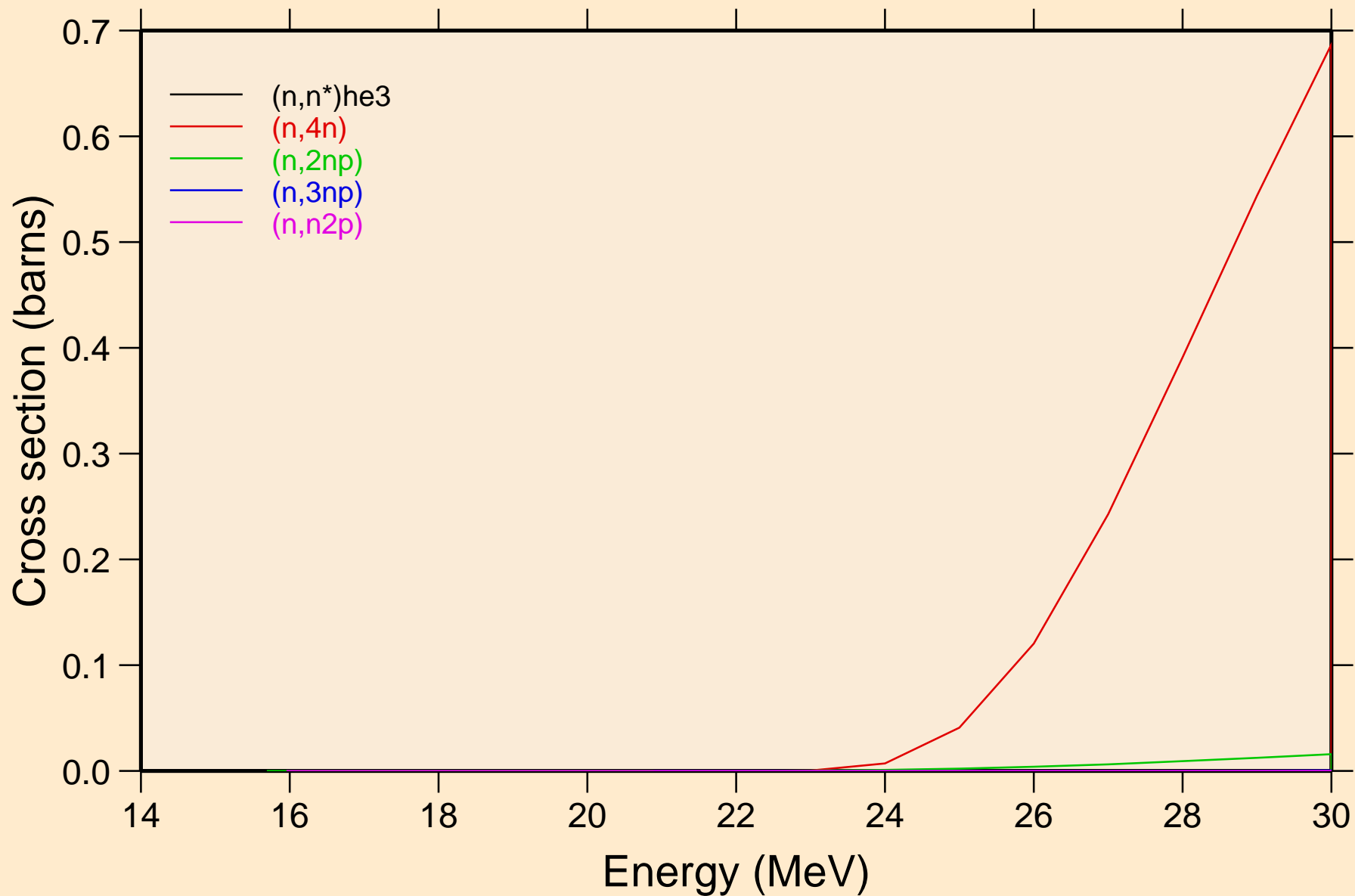


# CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



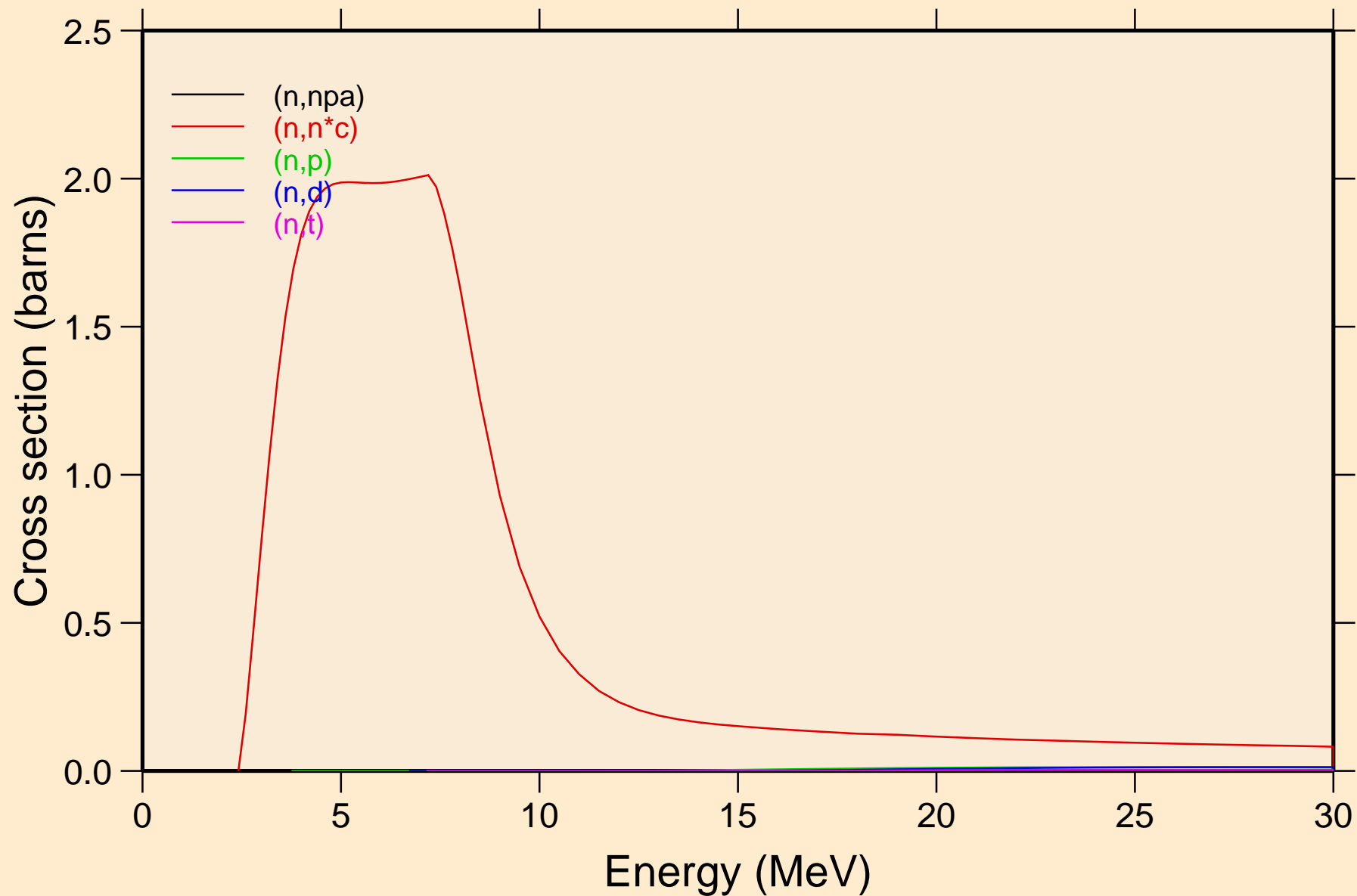
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions





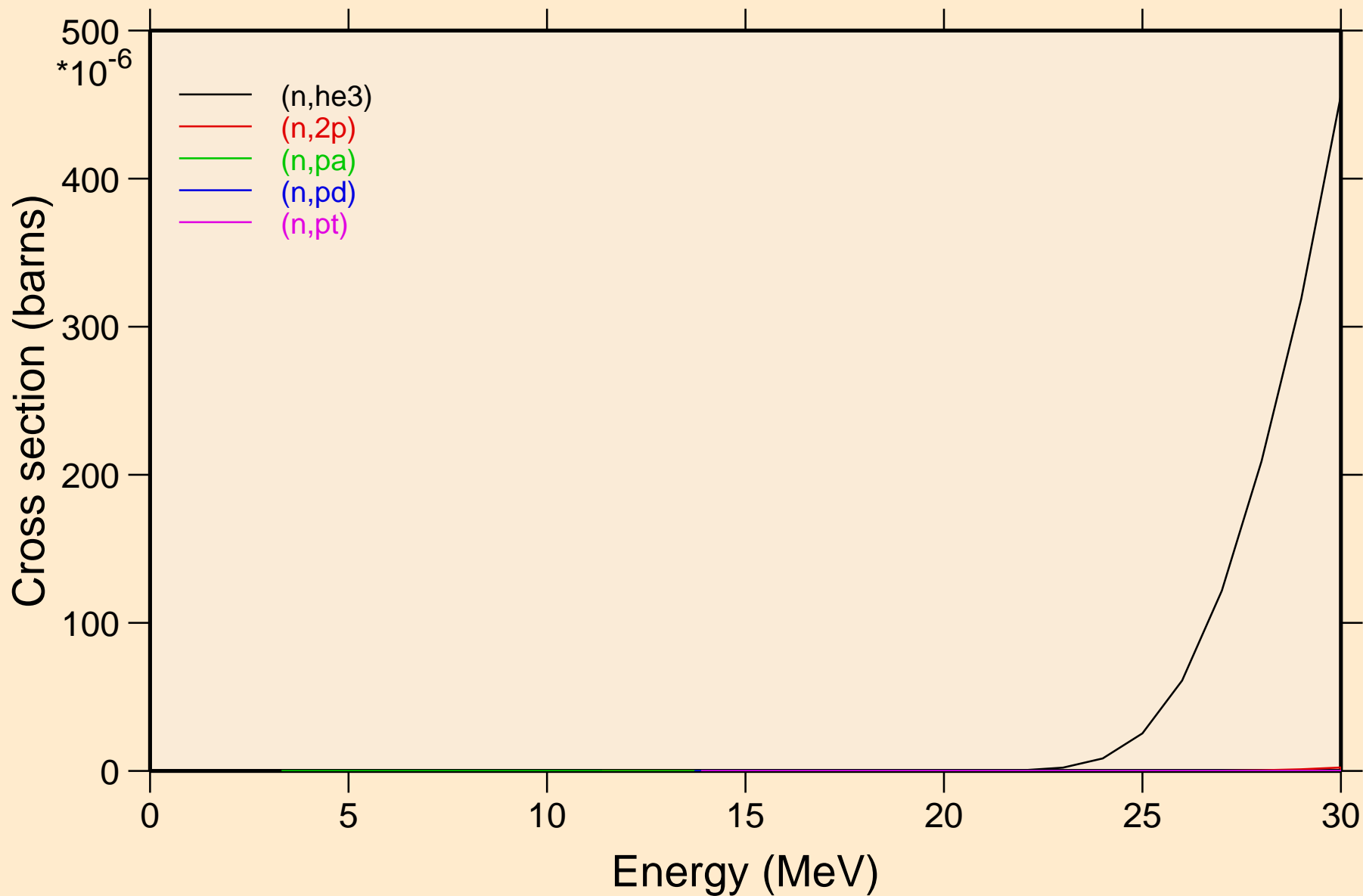
# CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

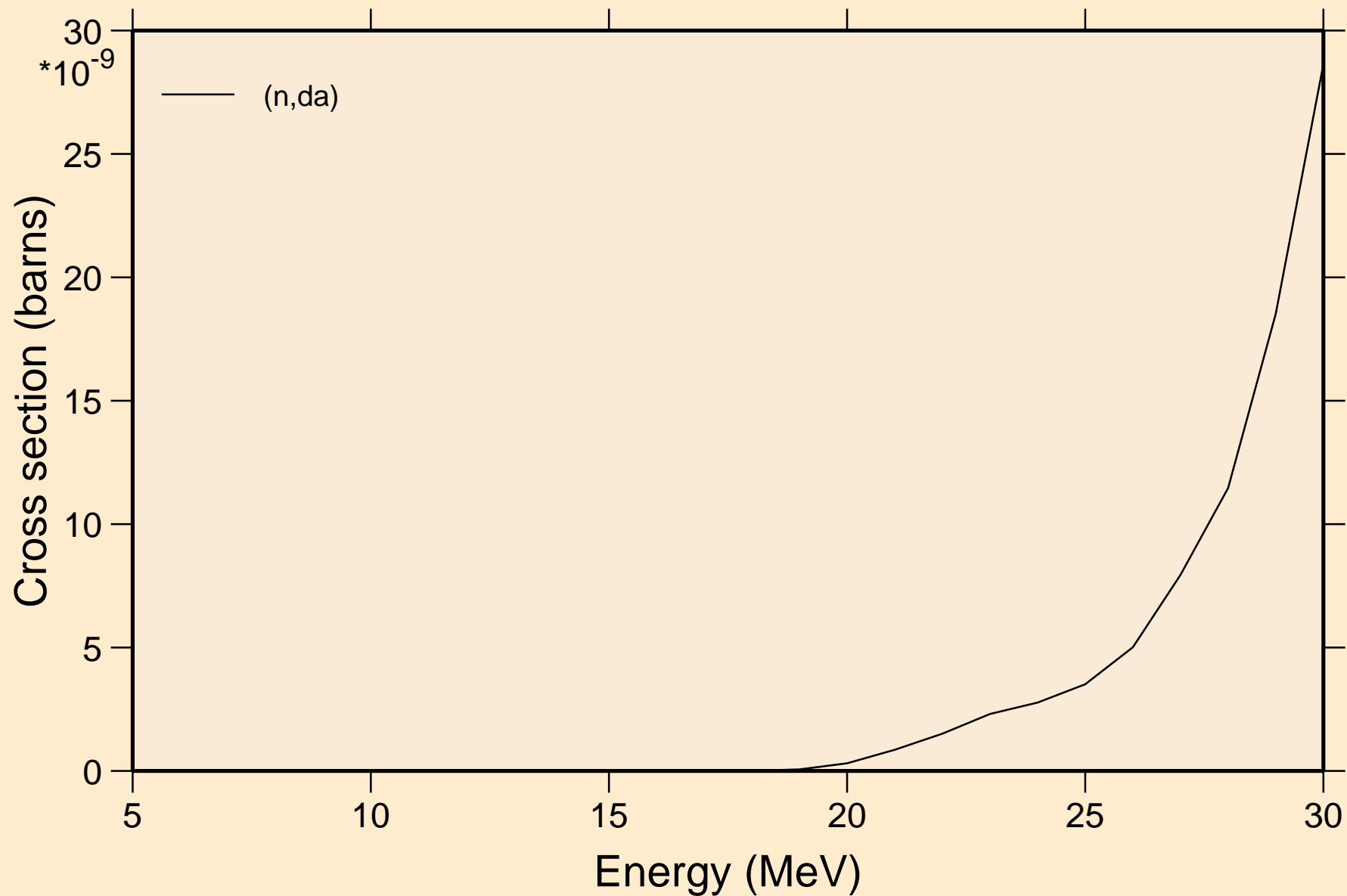


# CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

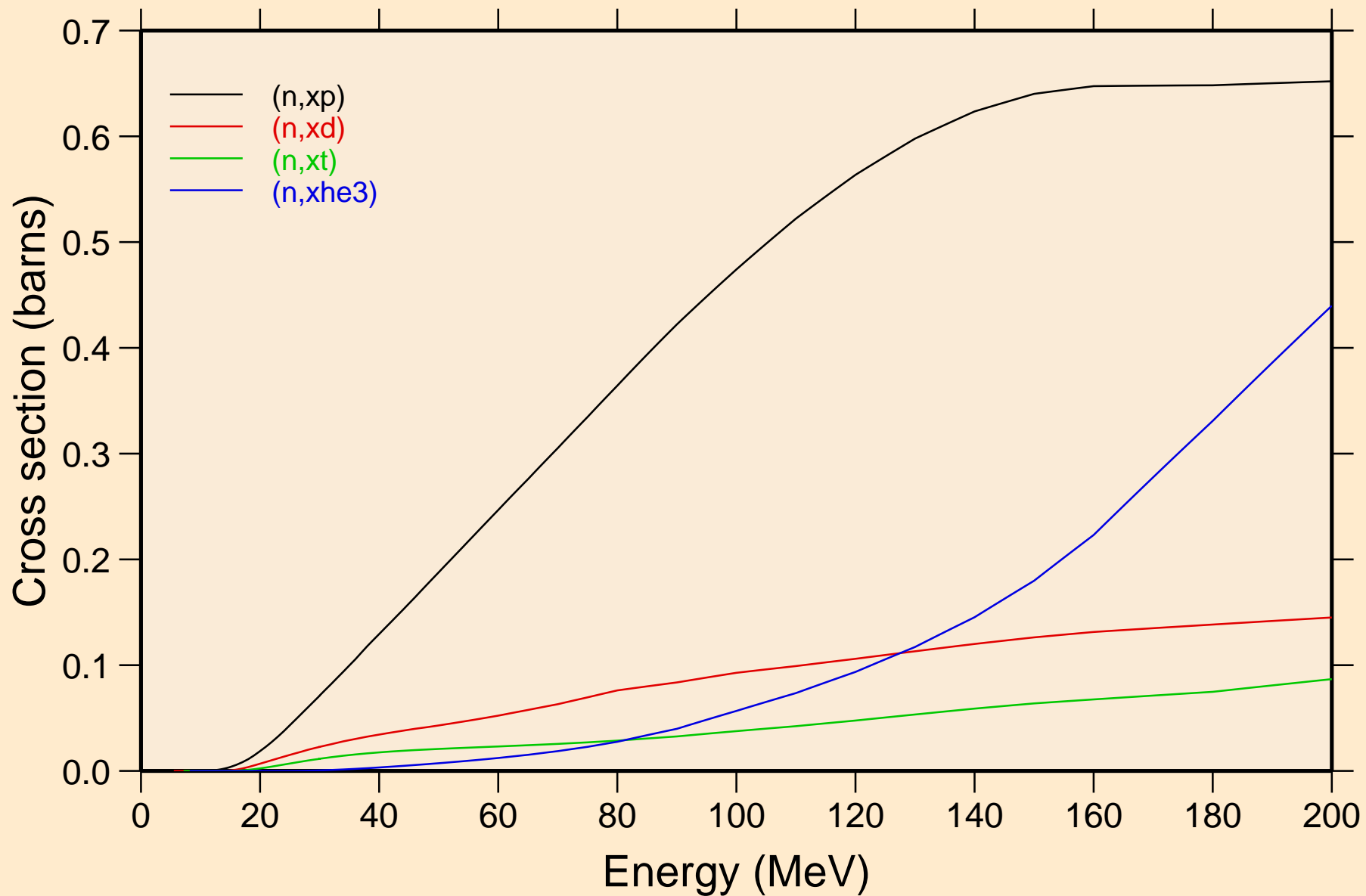


CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

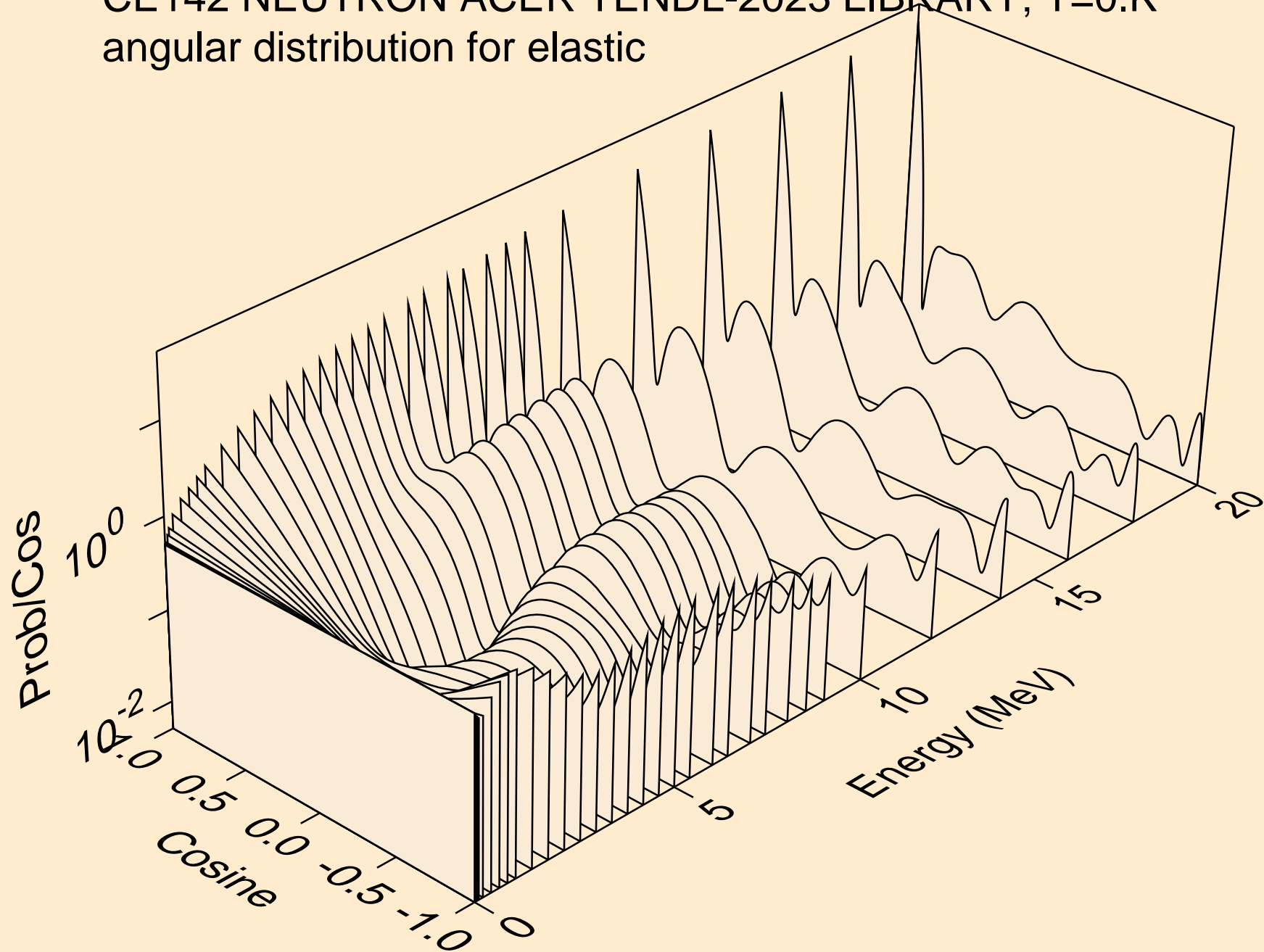


# CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

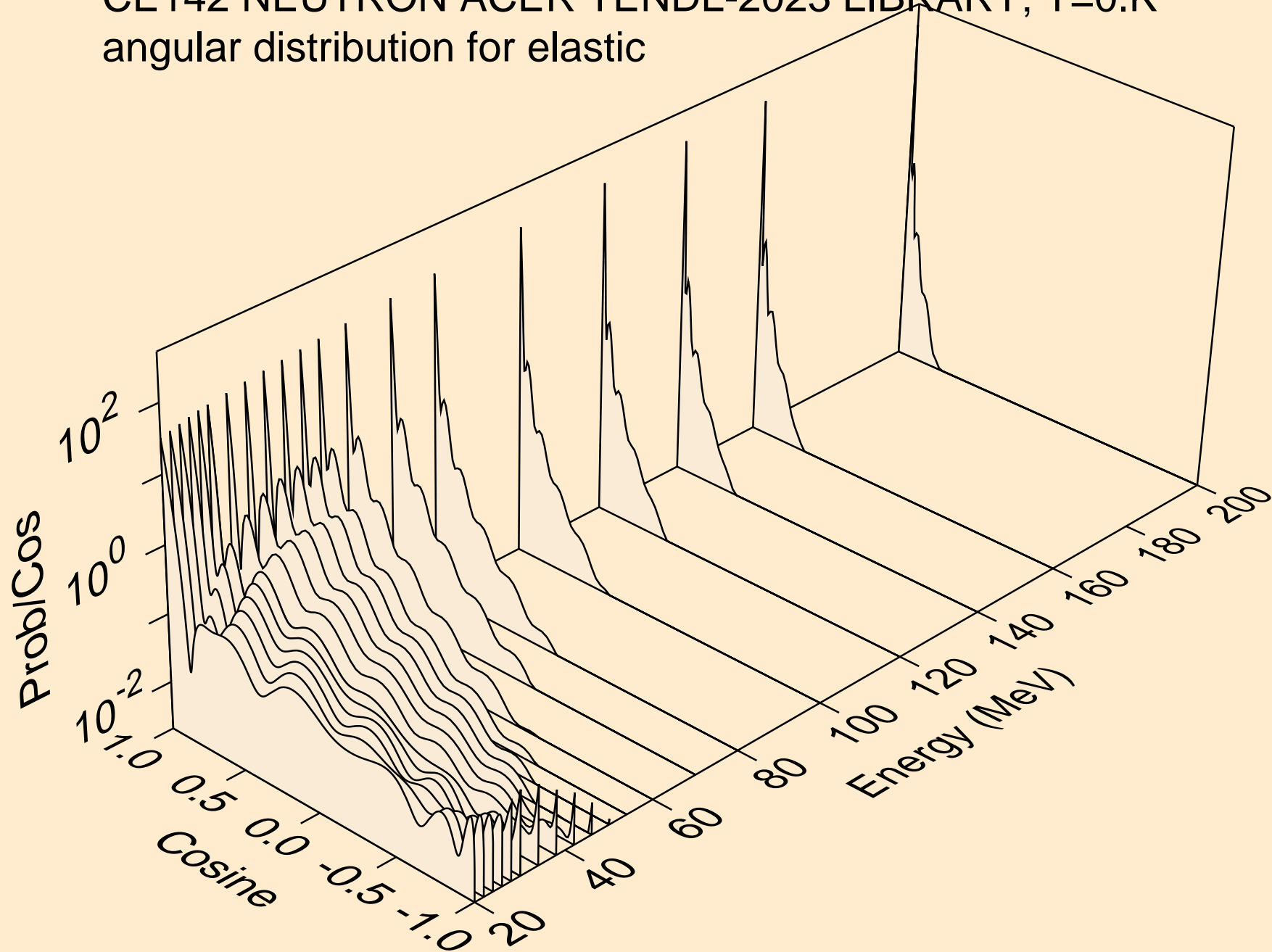
## Threshold reactions



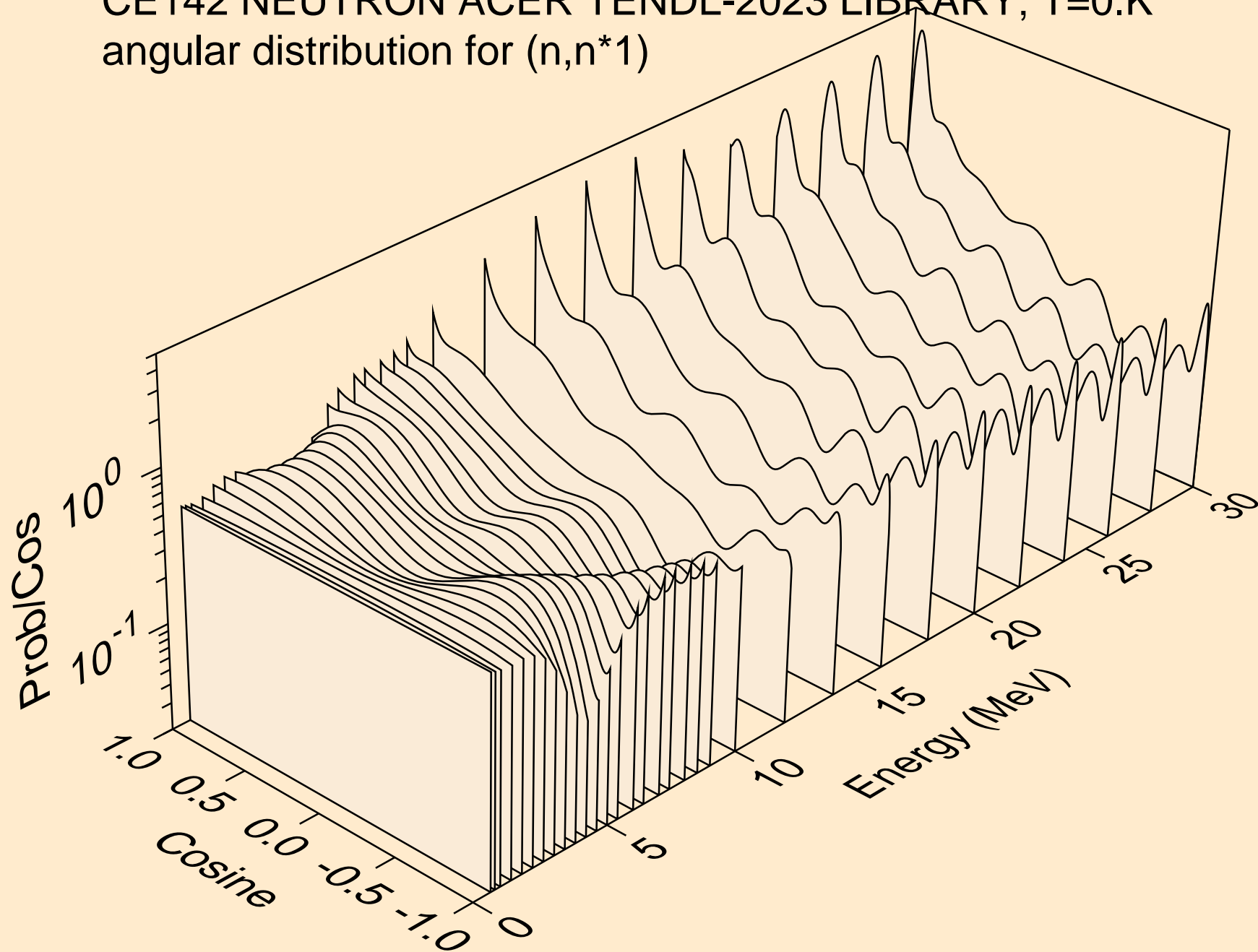
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



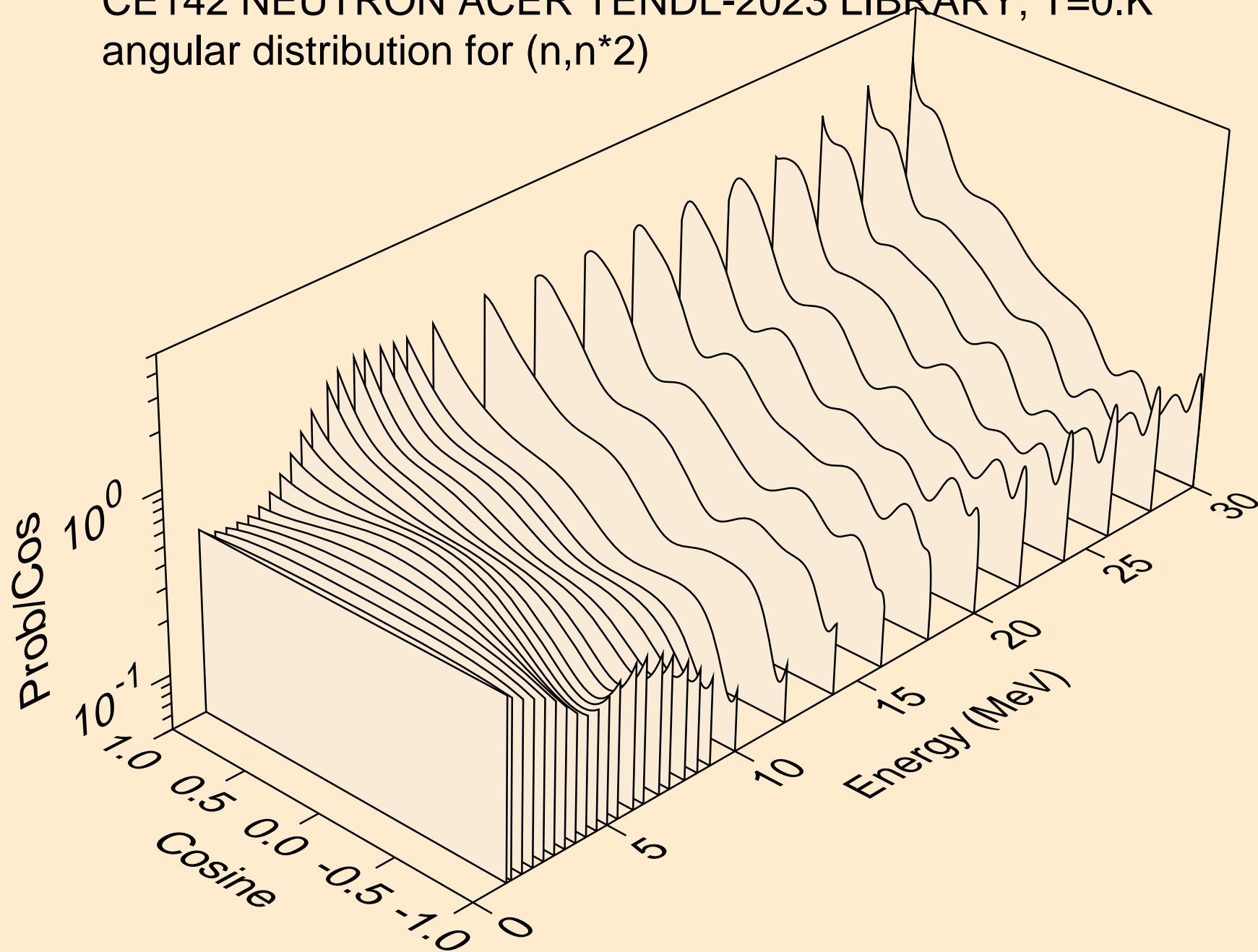
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

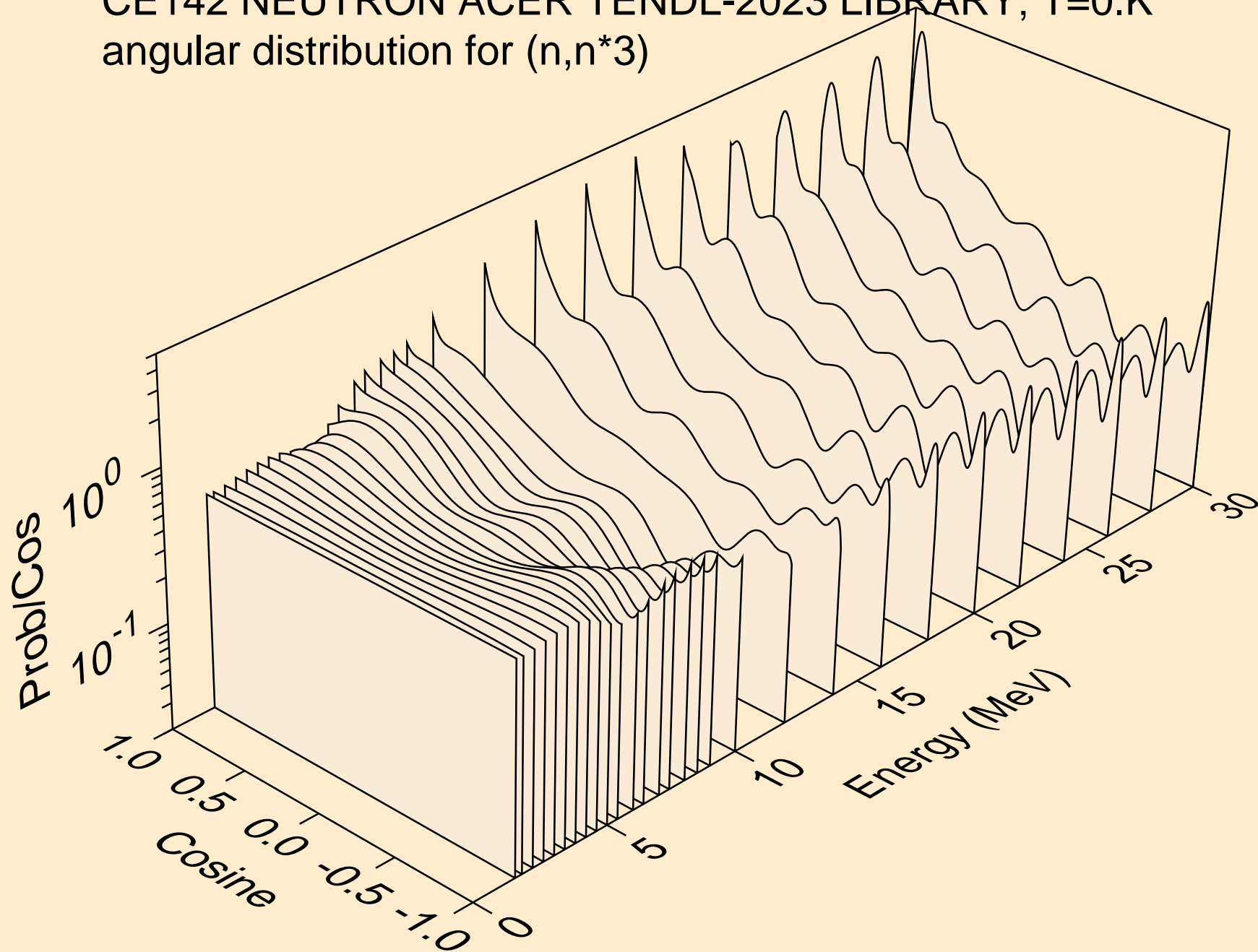


CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

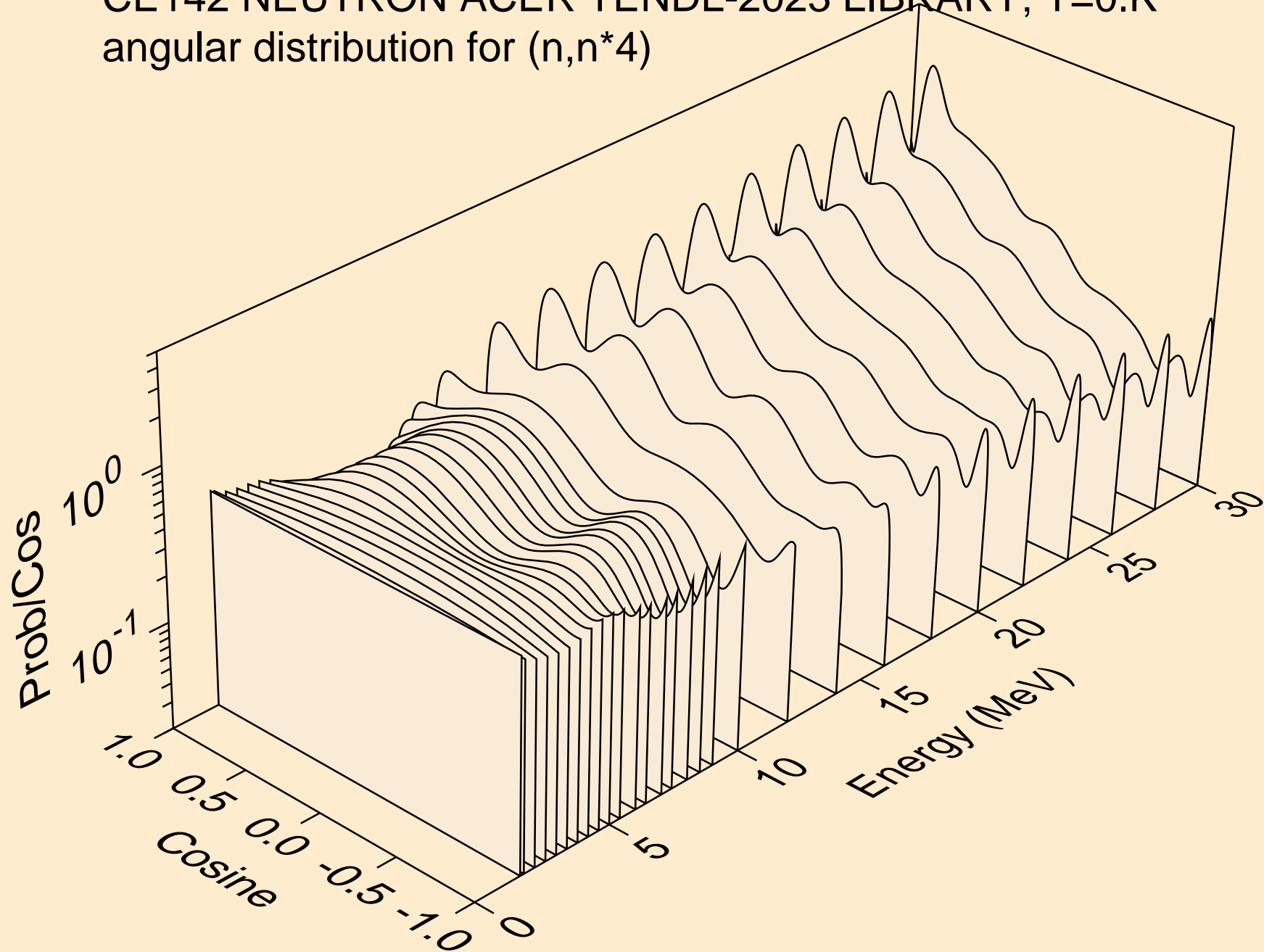




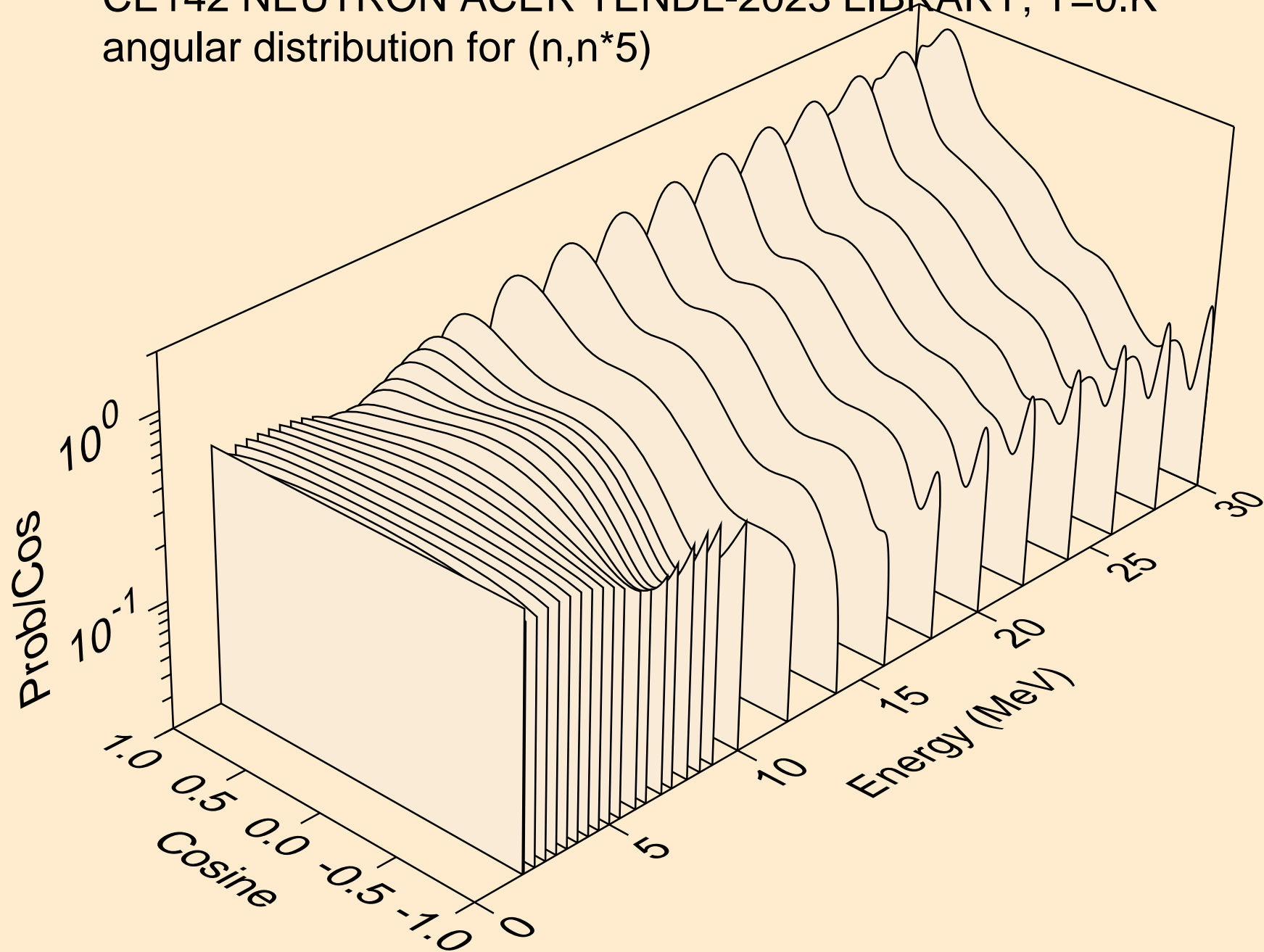
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



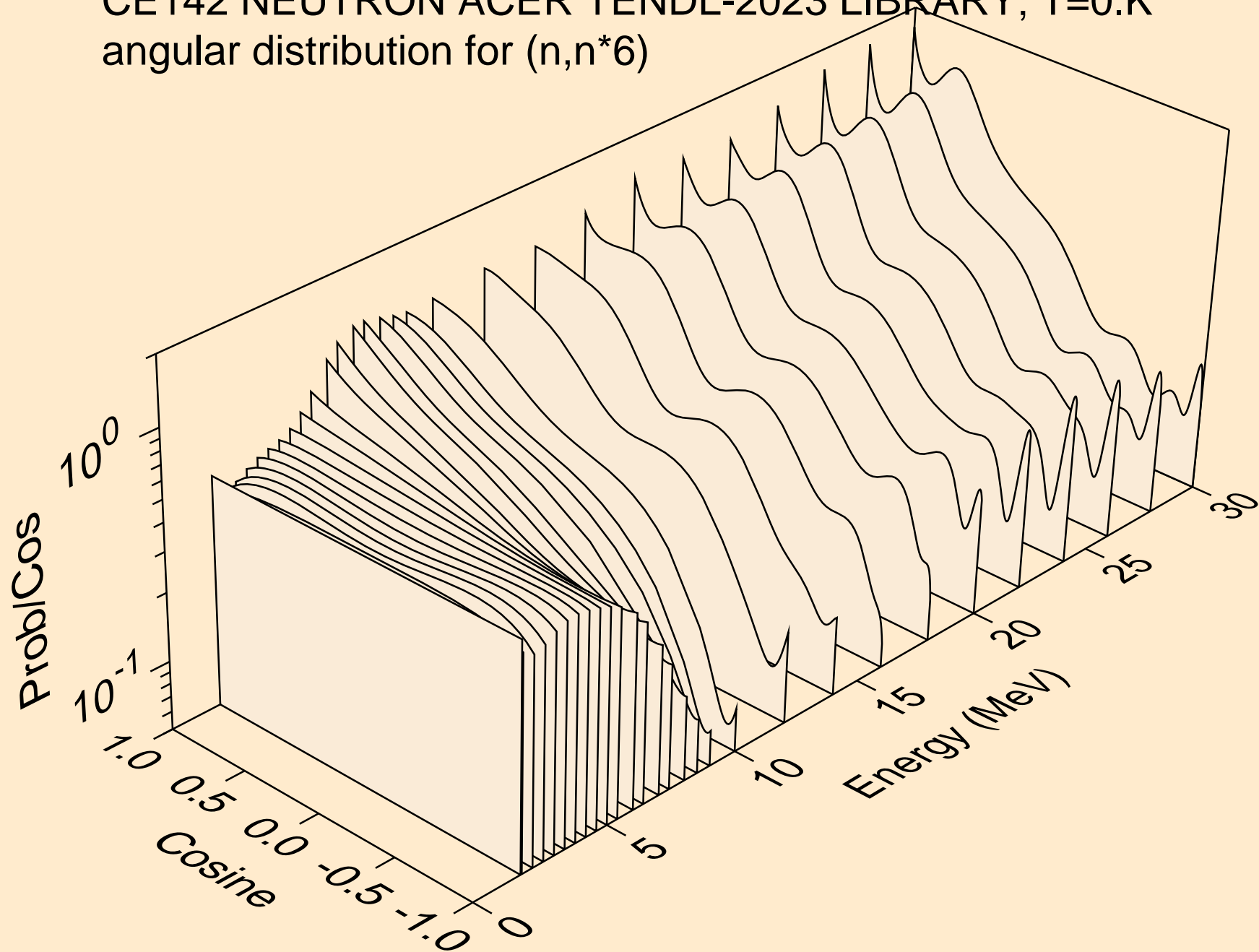
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



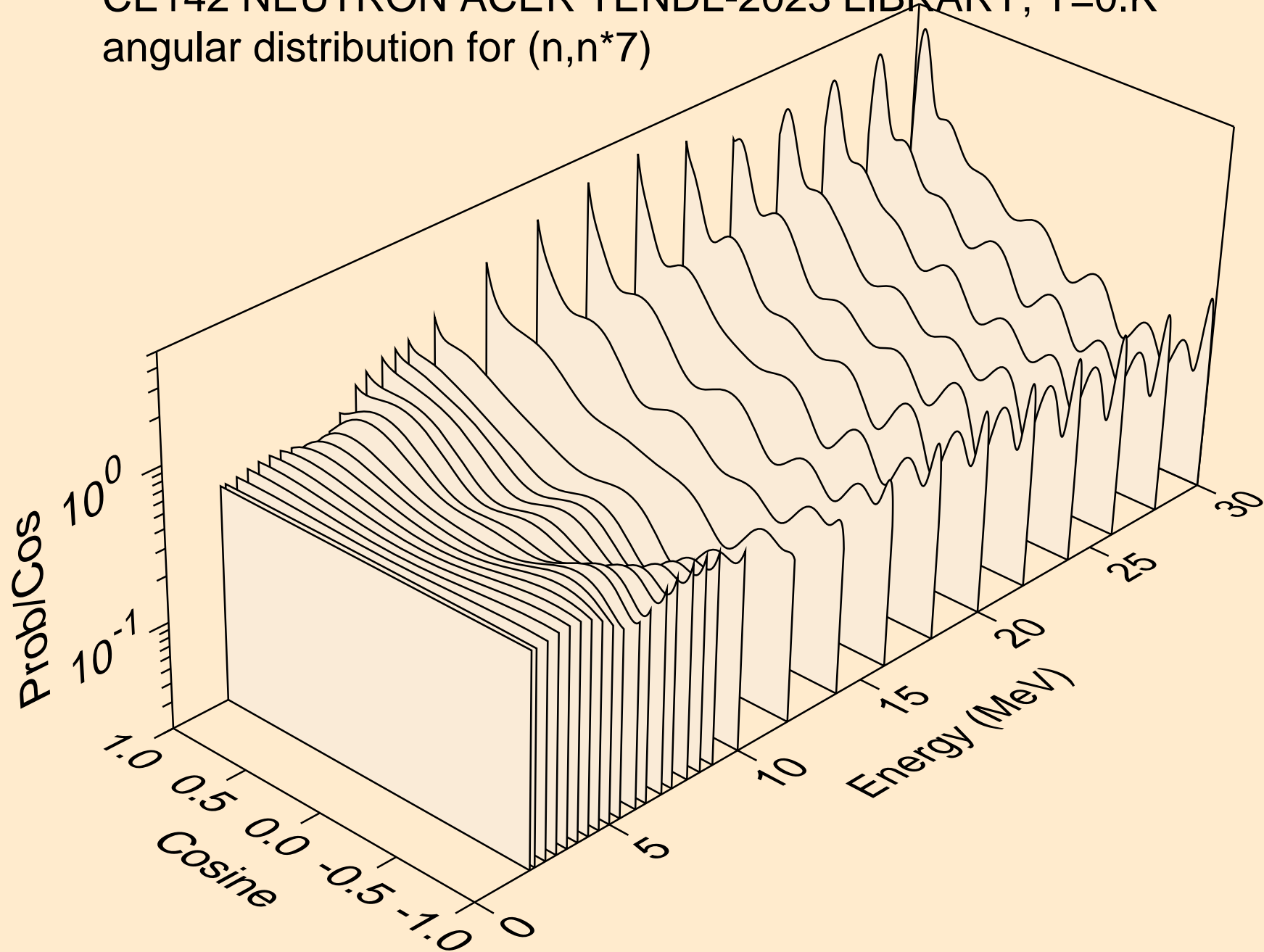
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



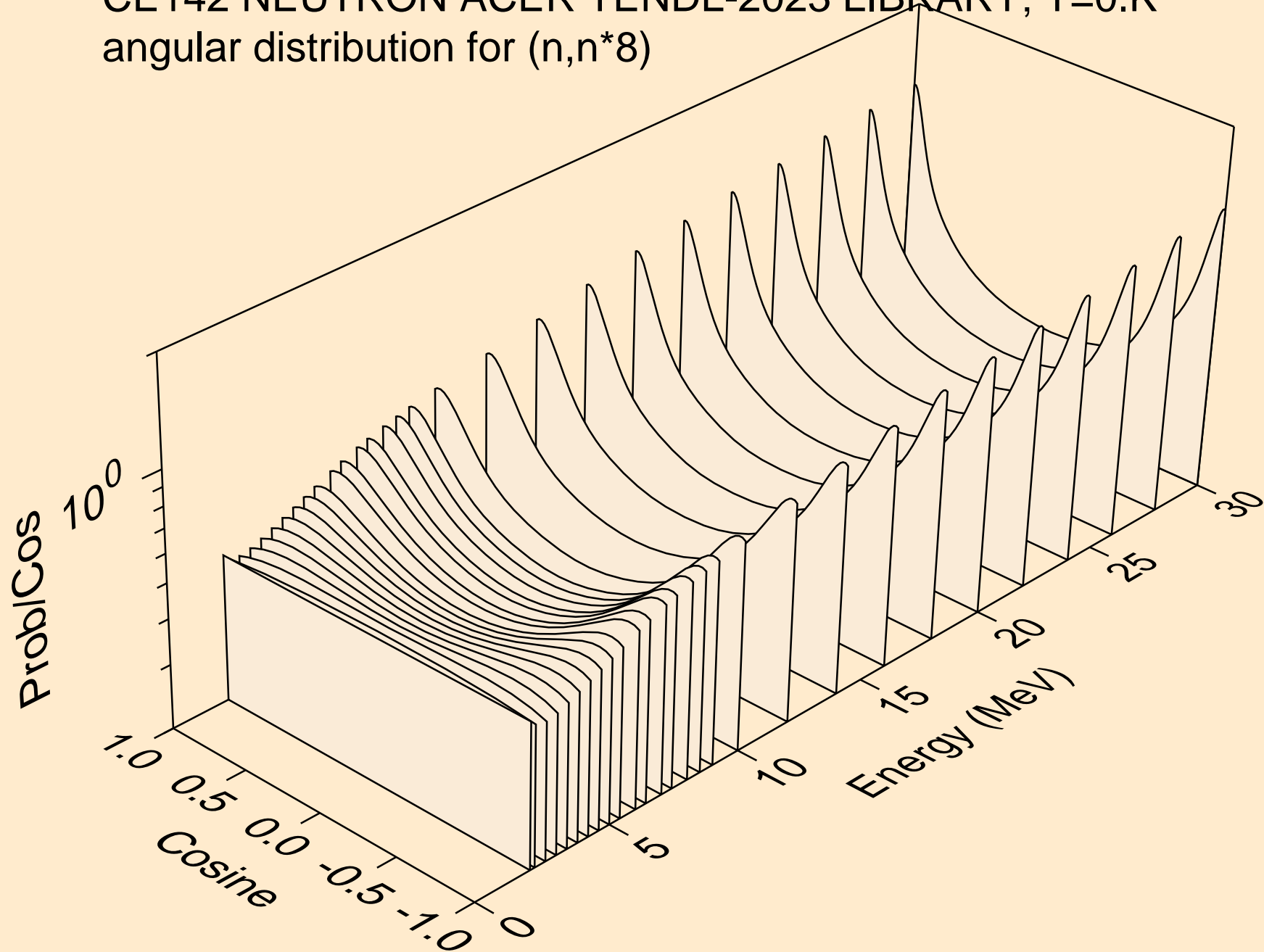
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



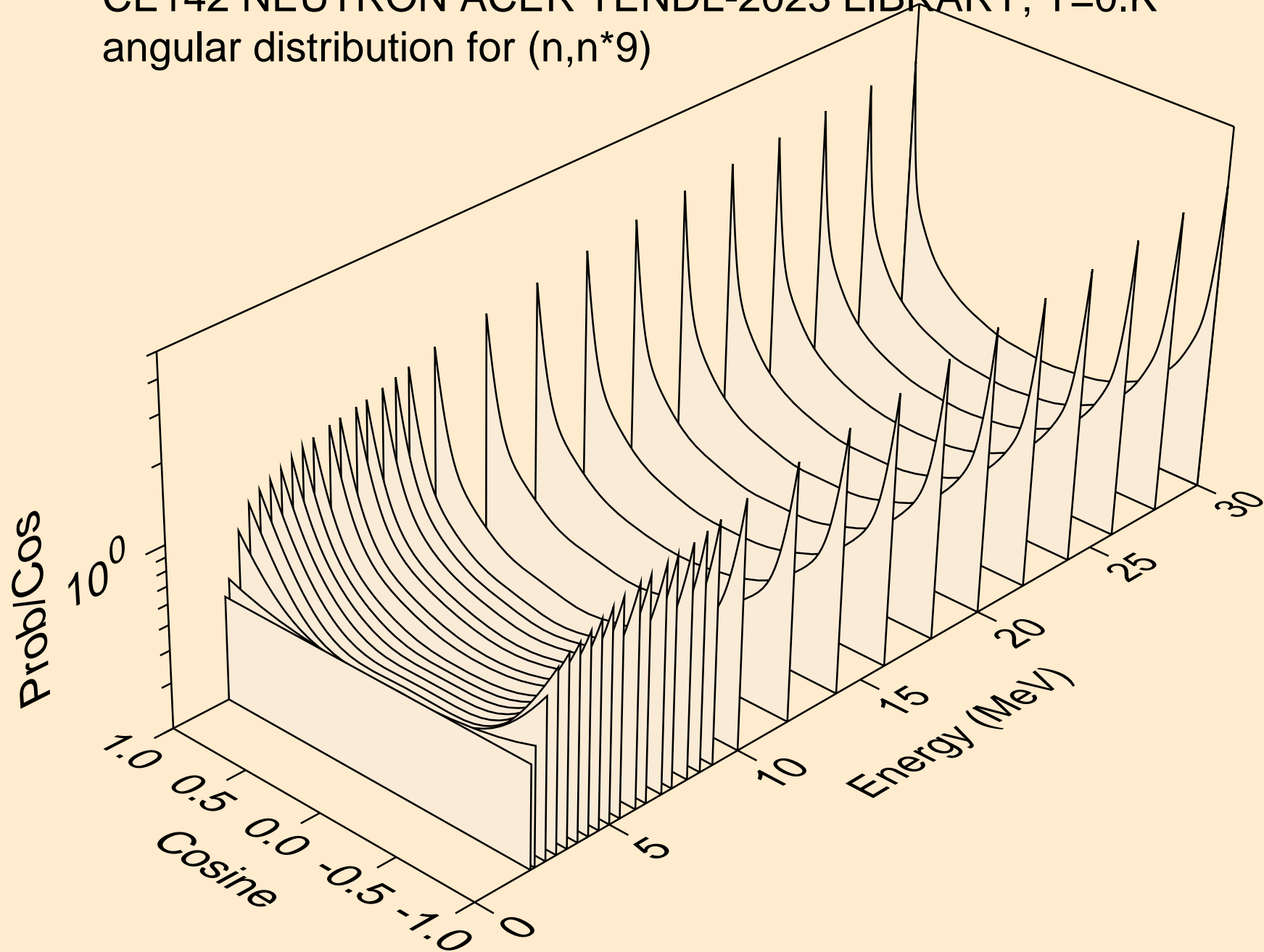
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



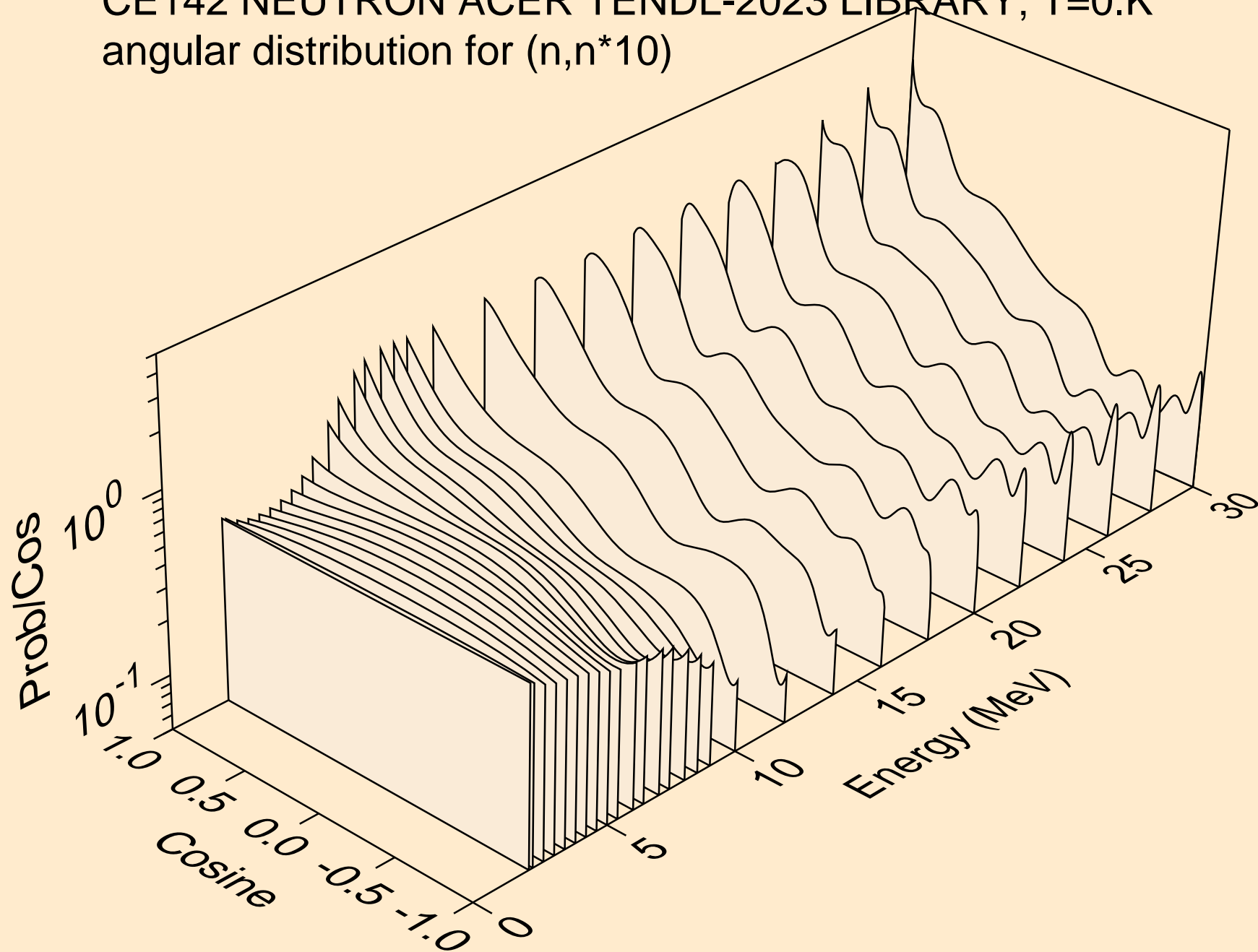
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

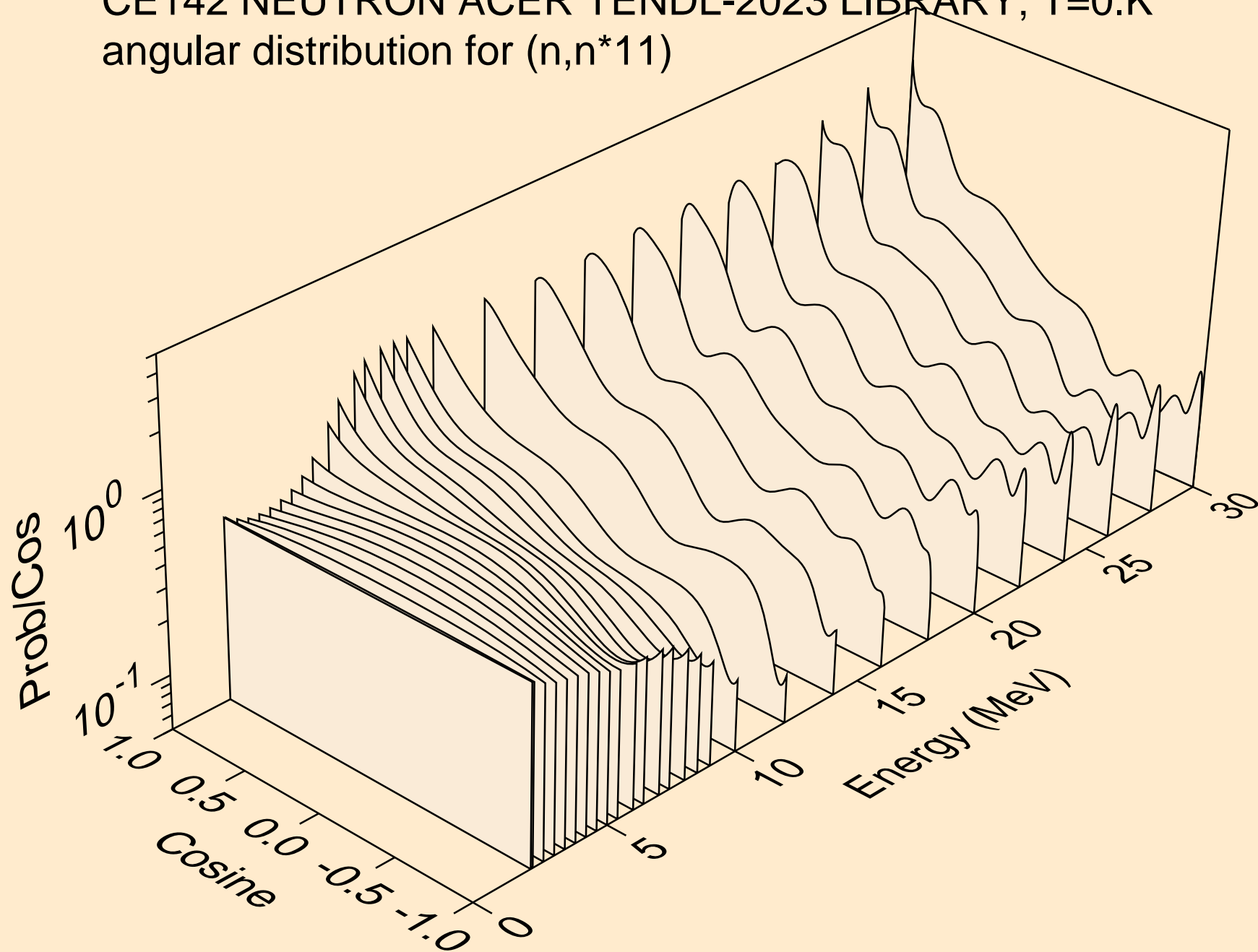


CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

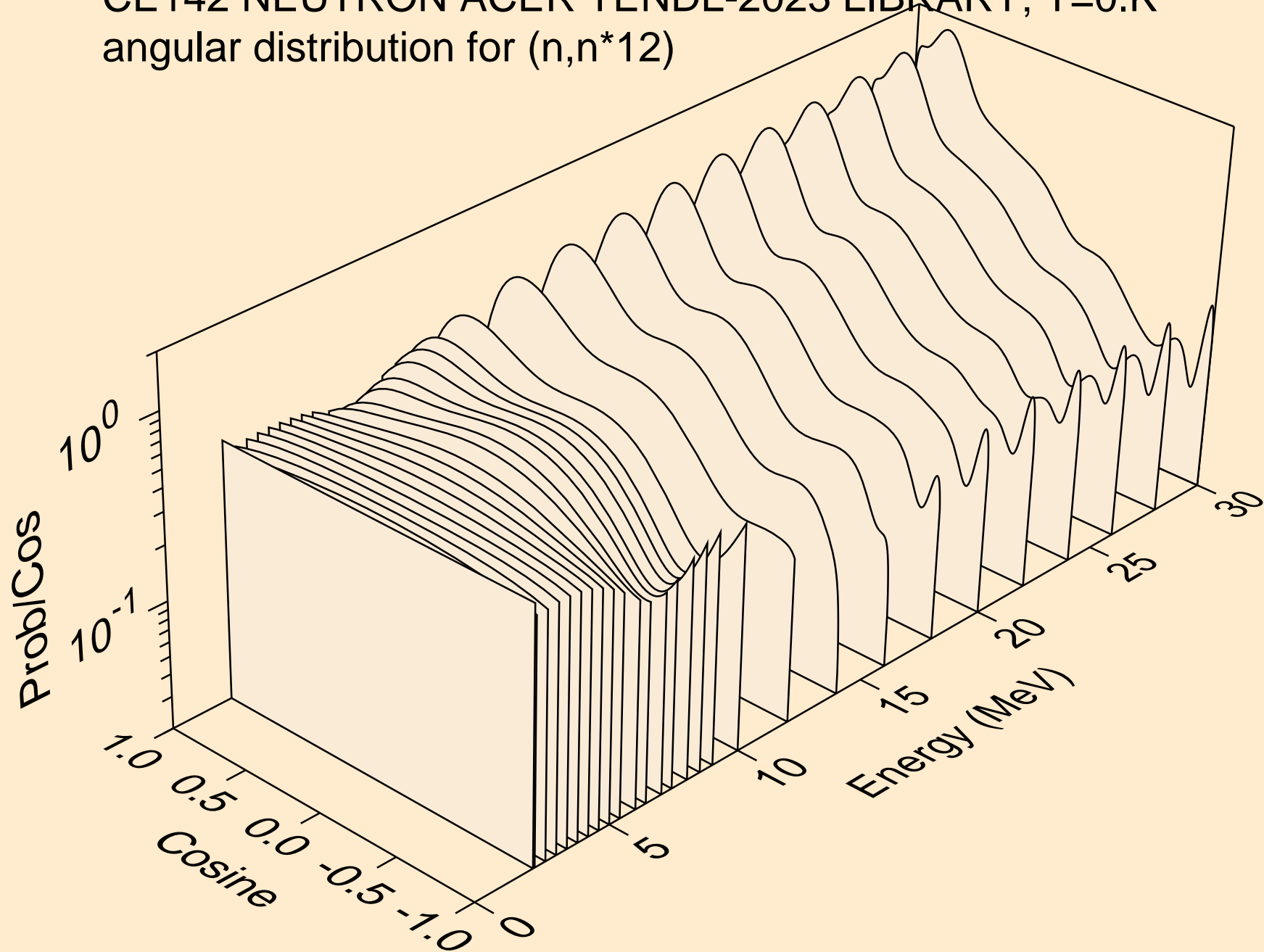




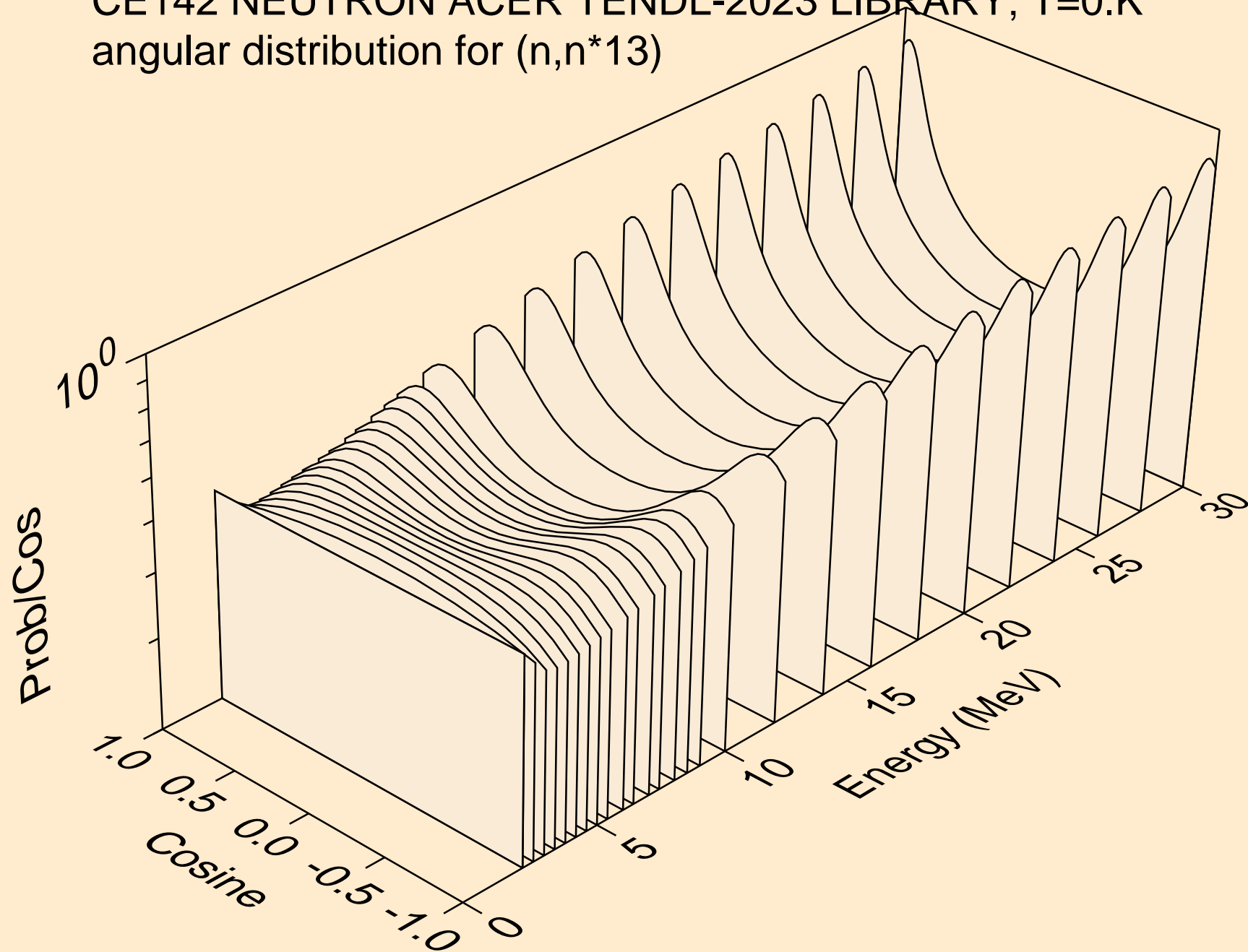
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



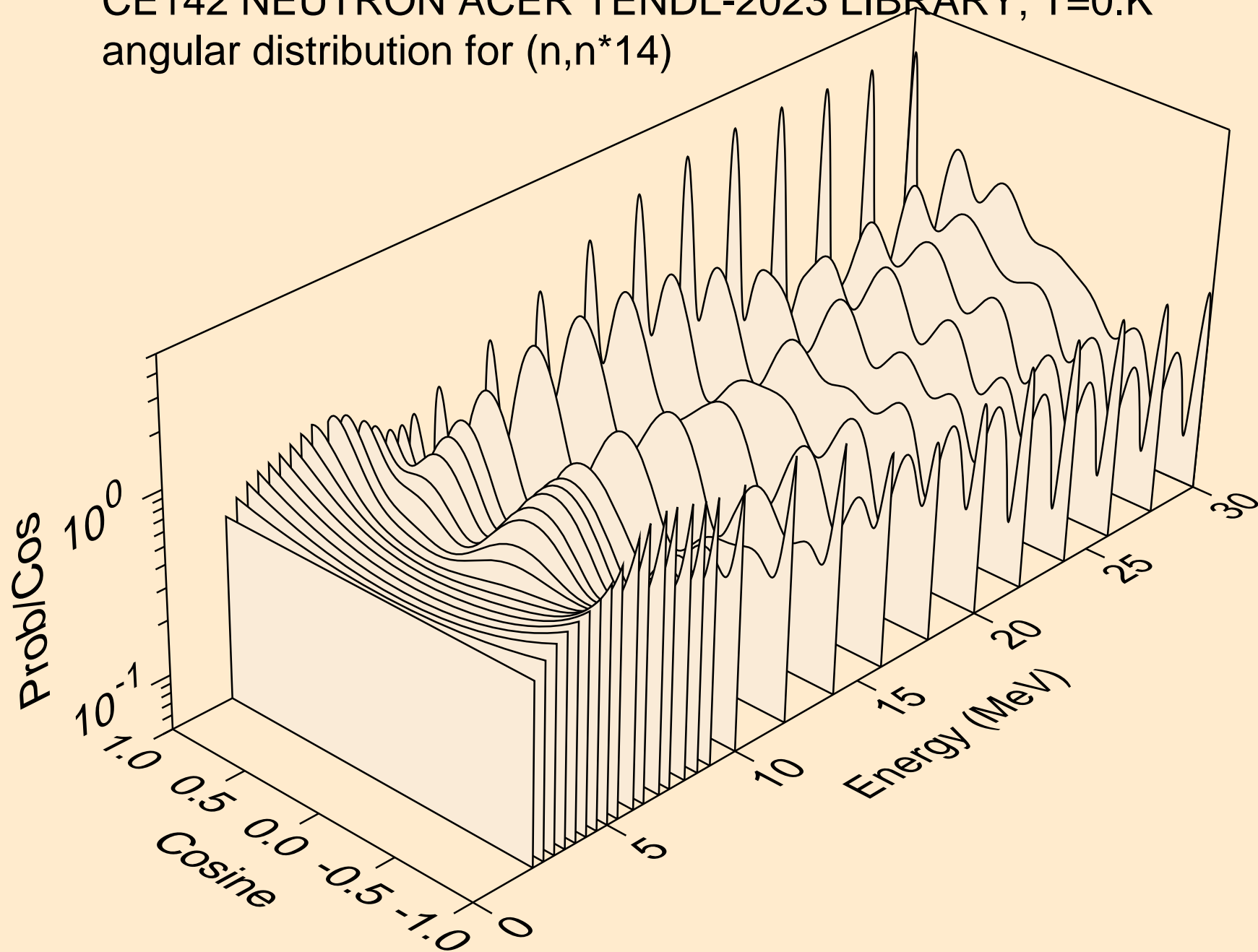
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



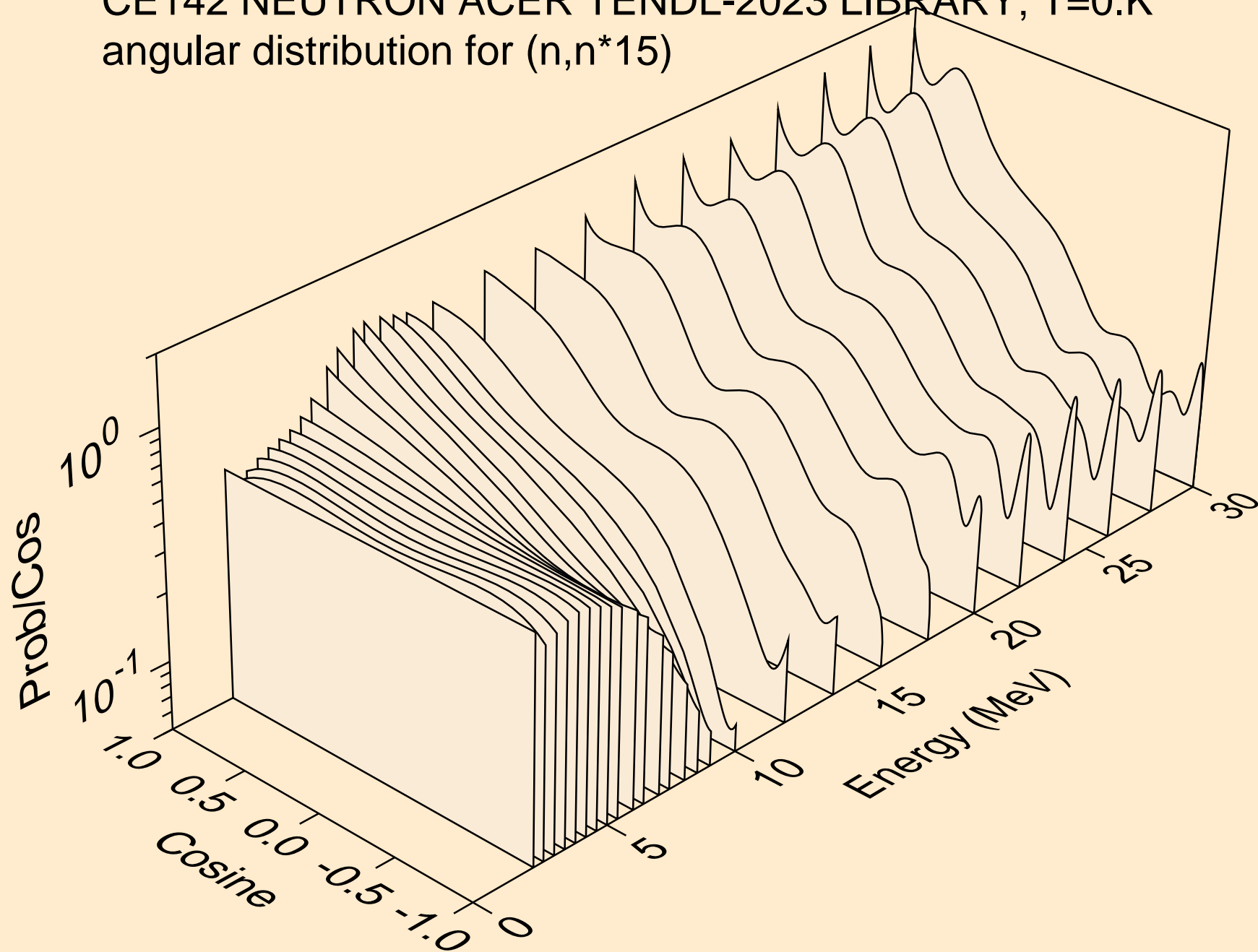
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



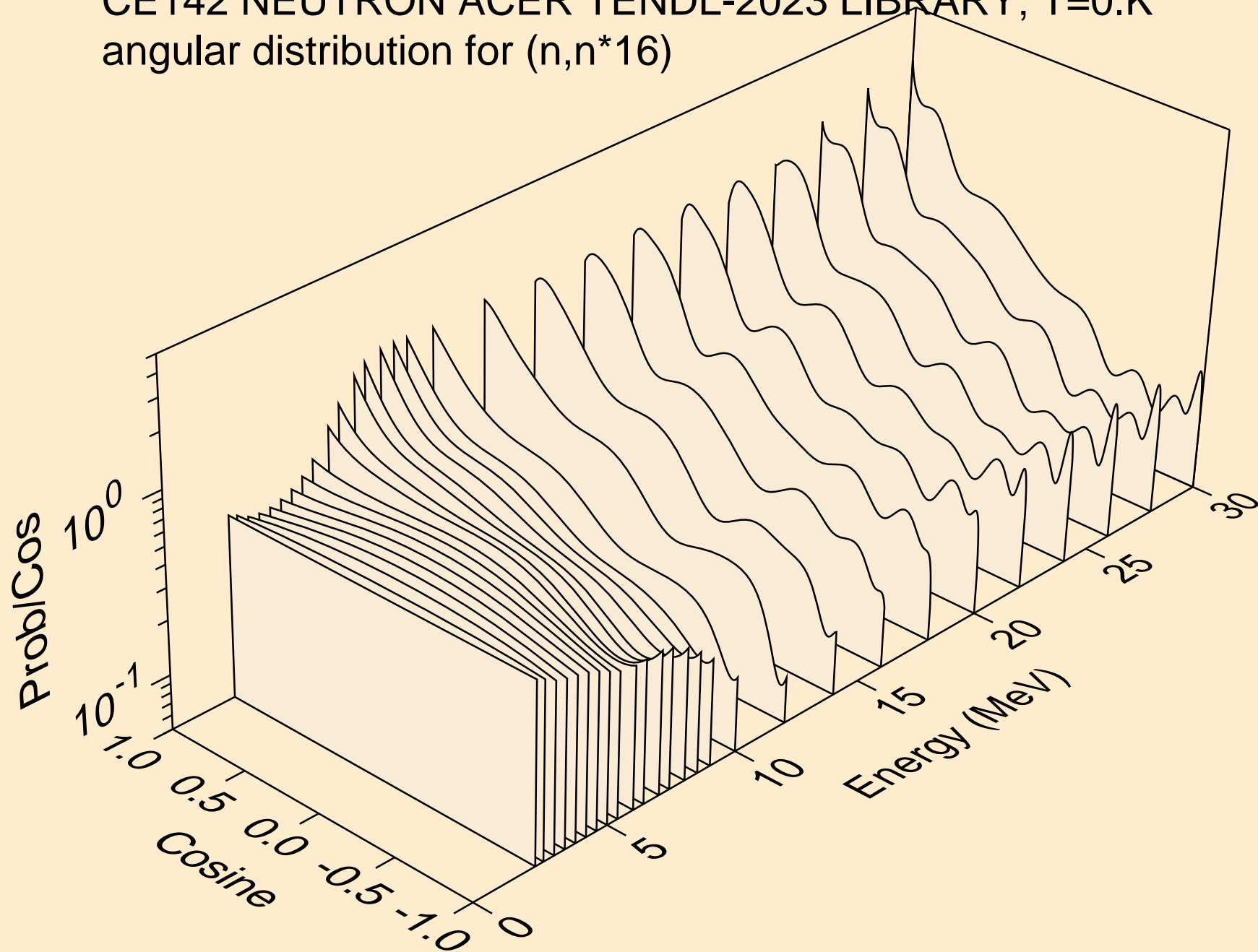
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



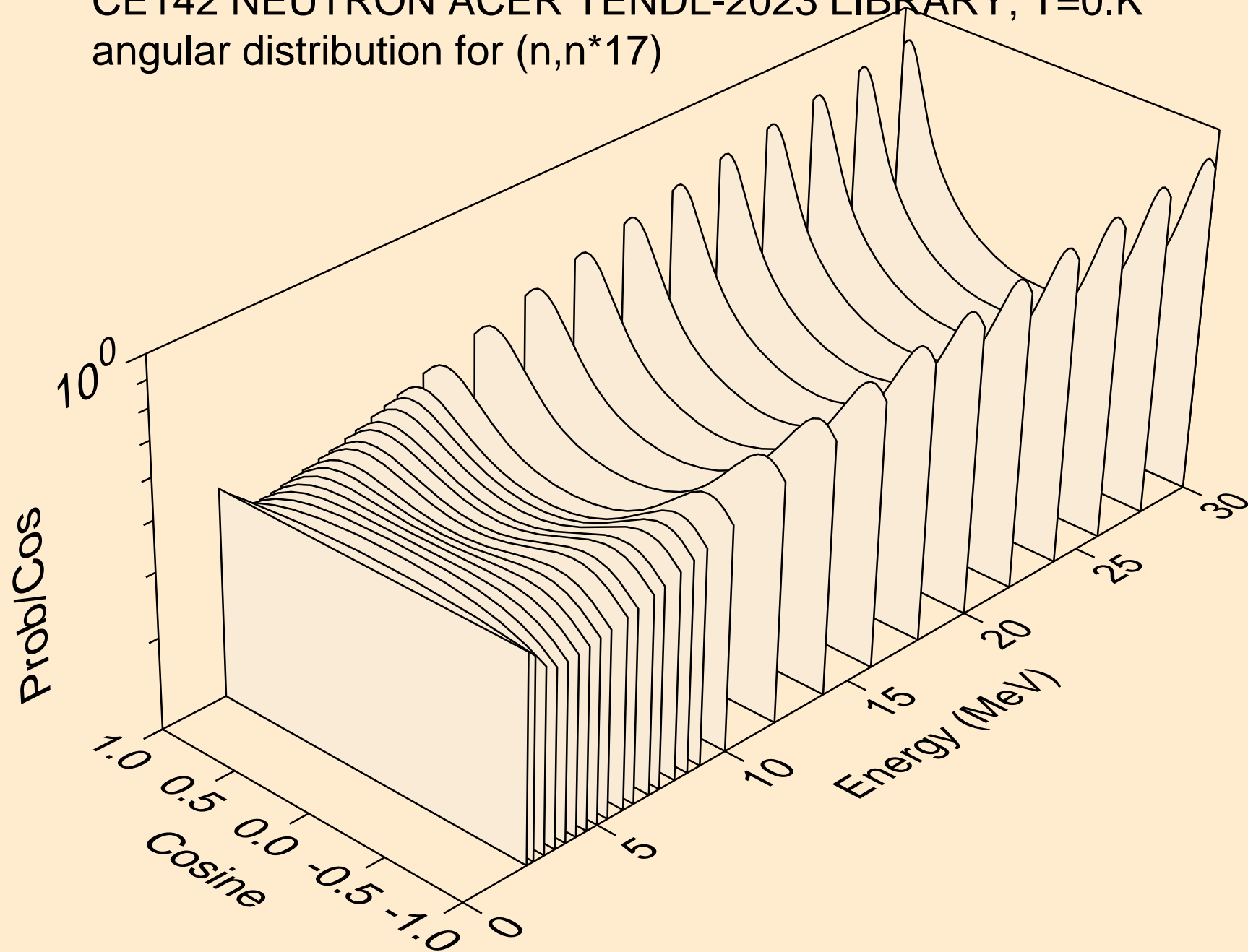
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



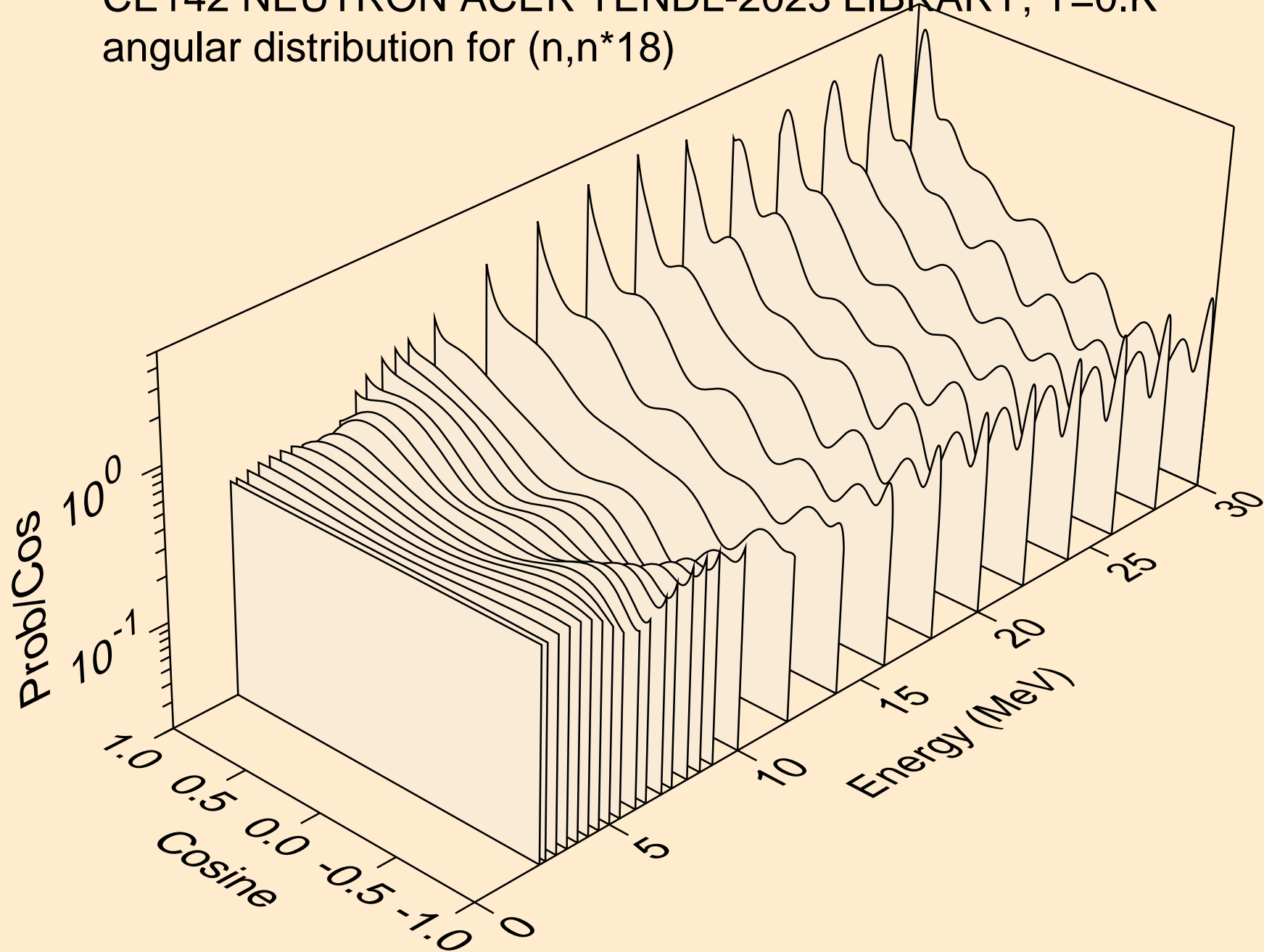
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*17)

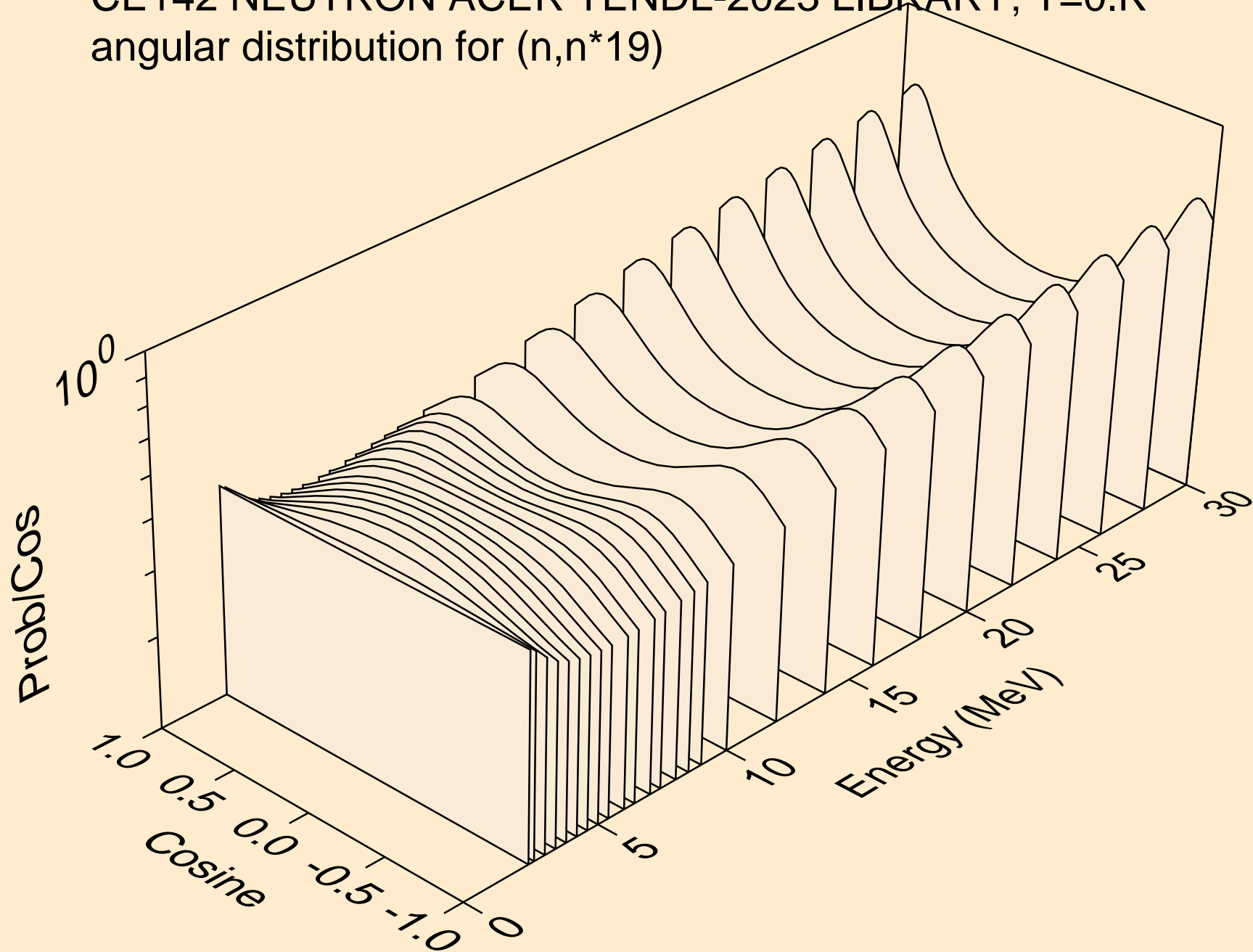


CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*18)

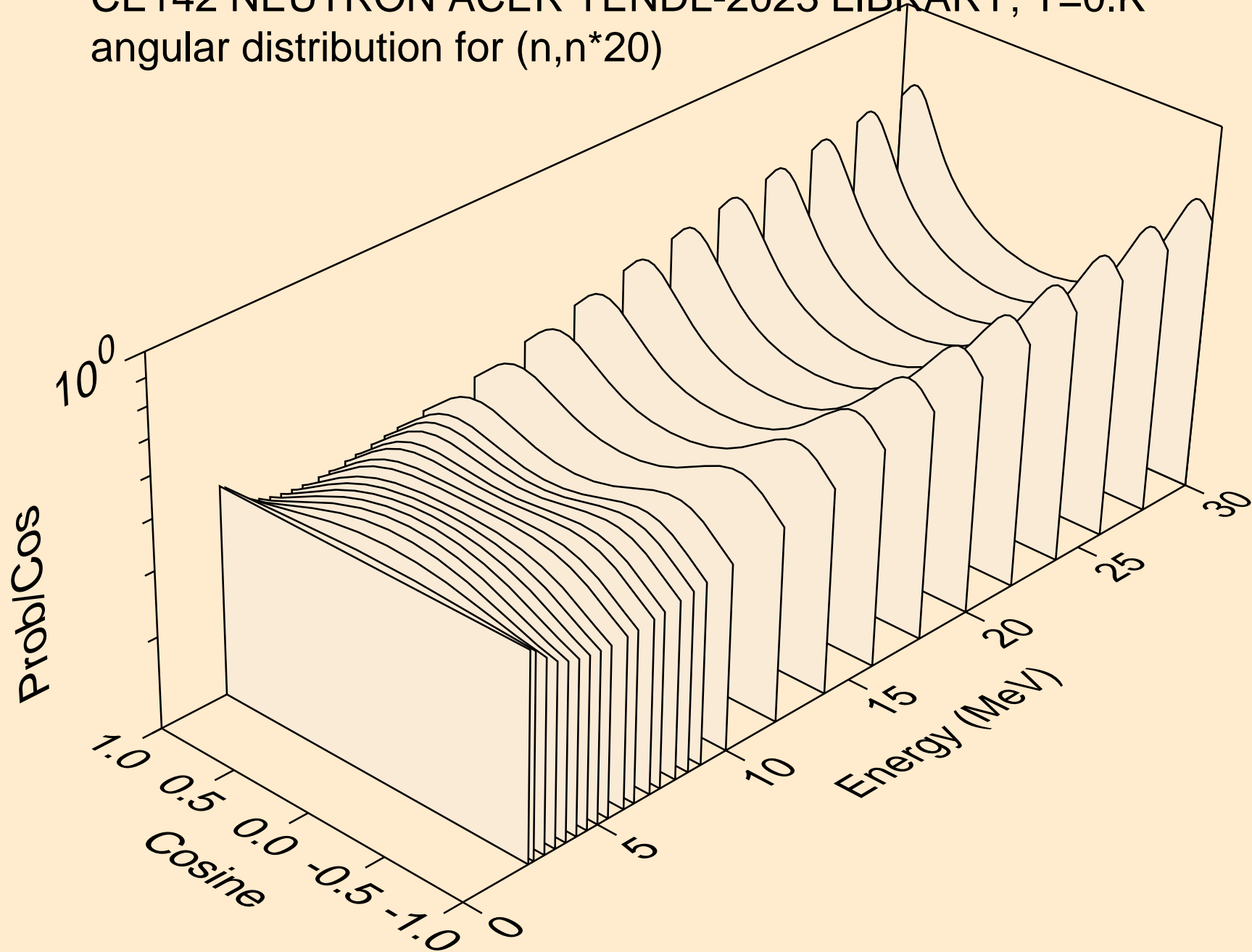




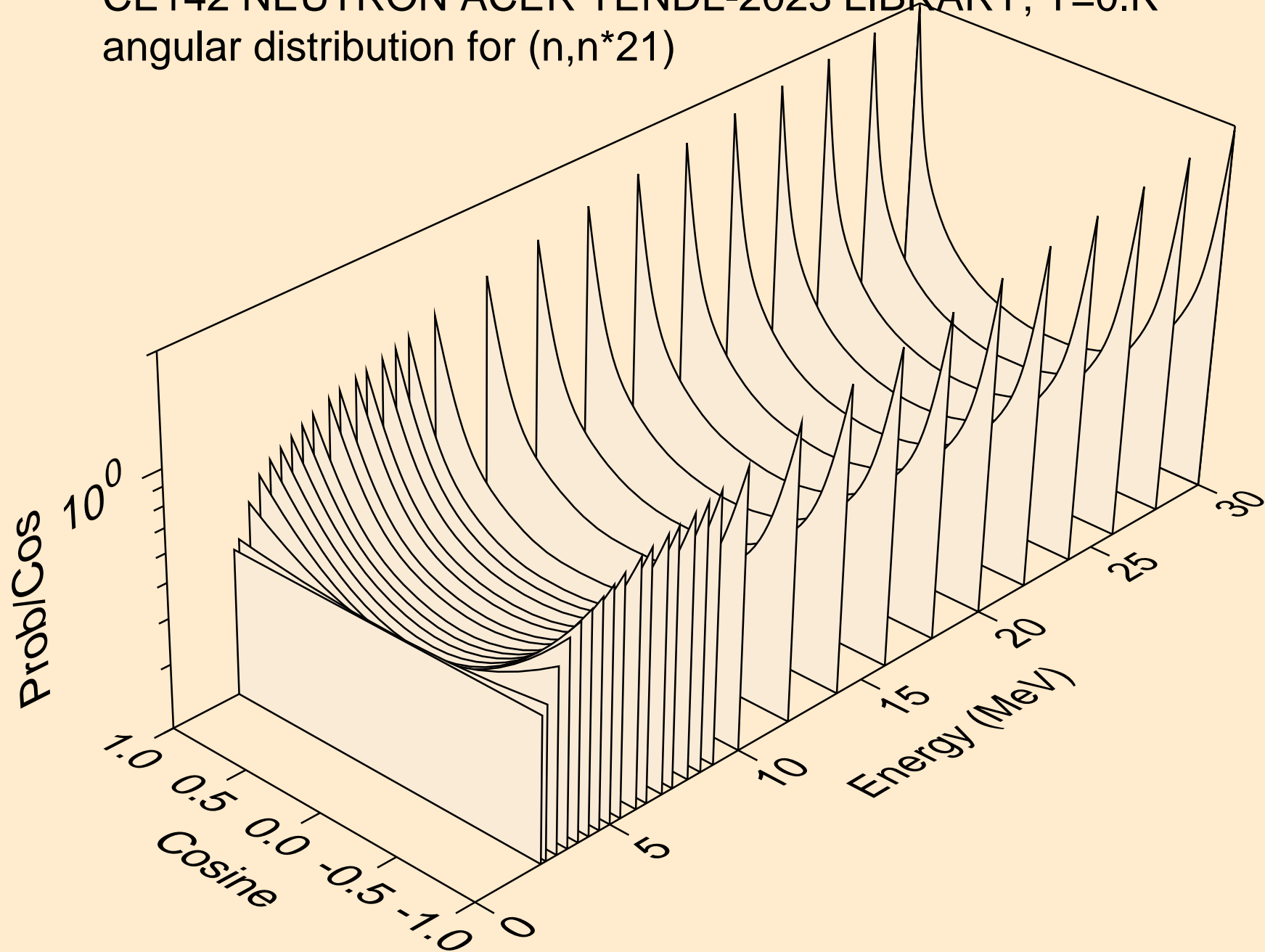
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



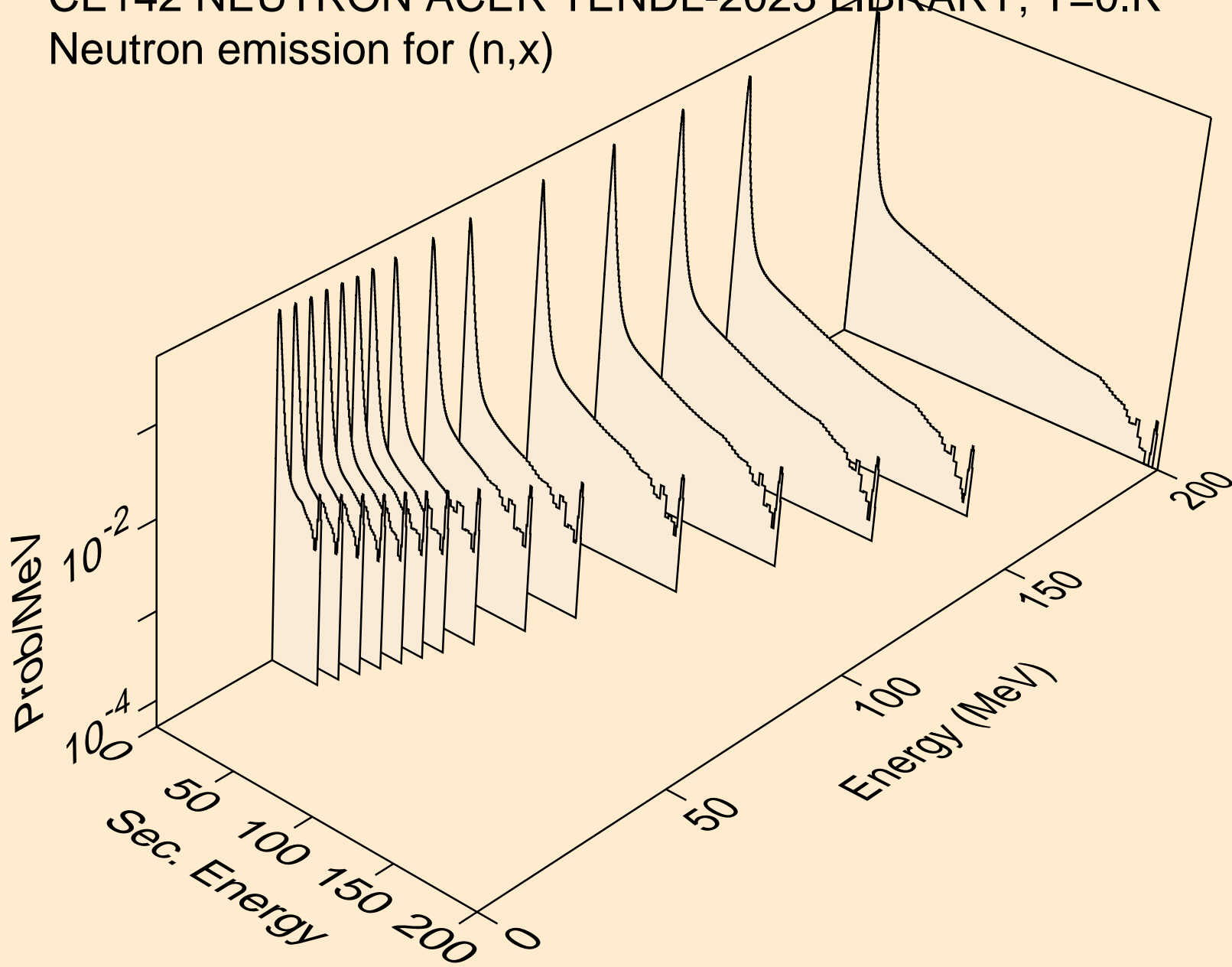
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*20)



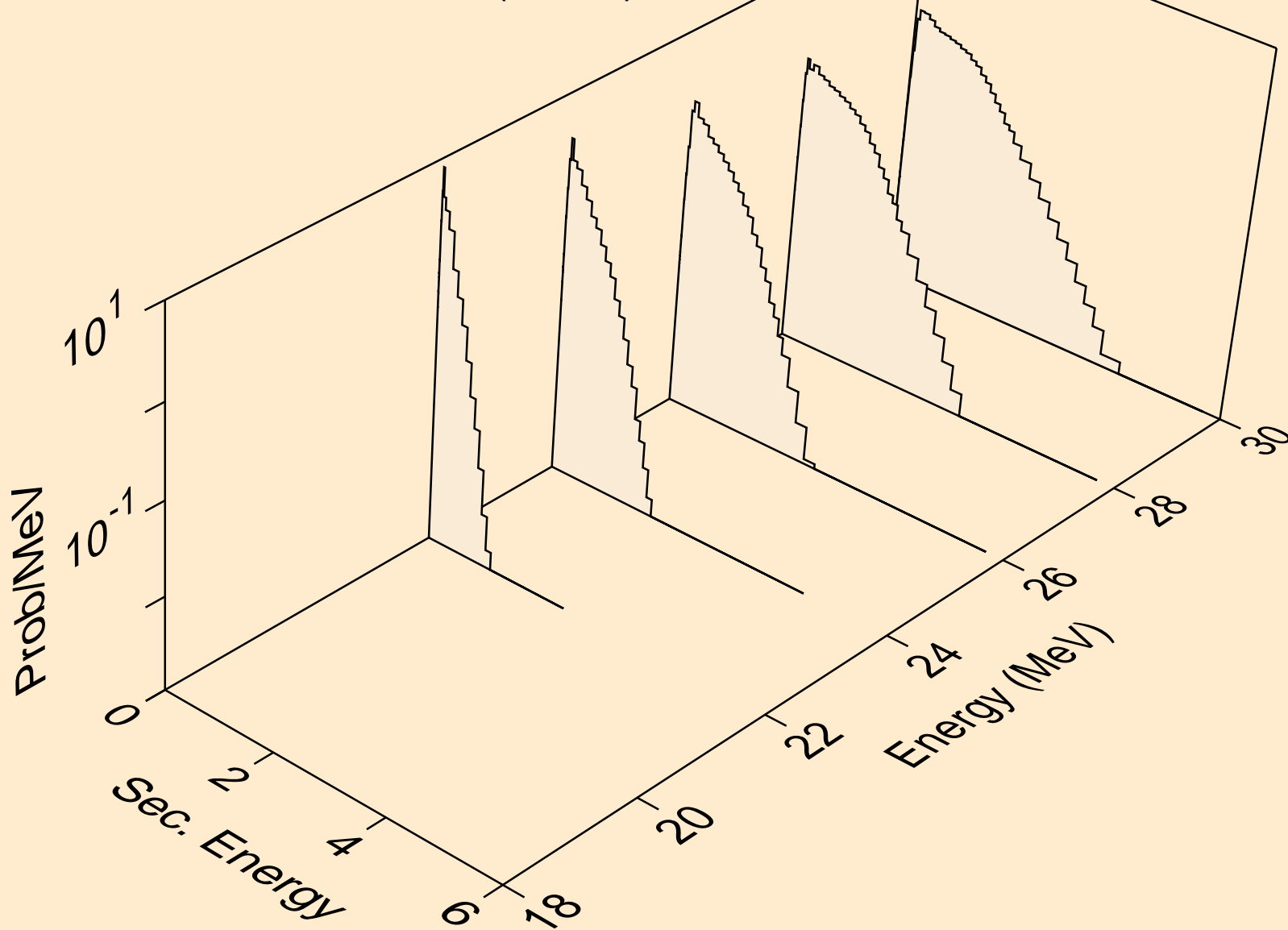
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*21)



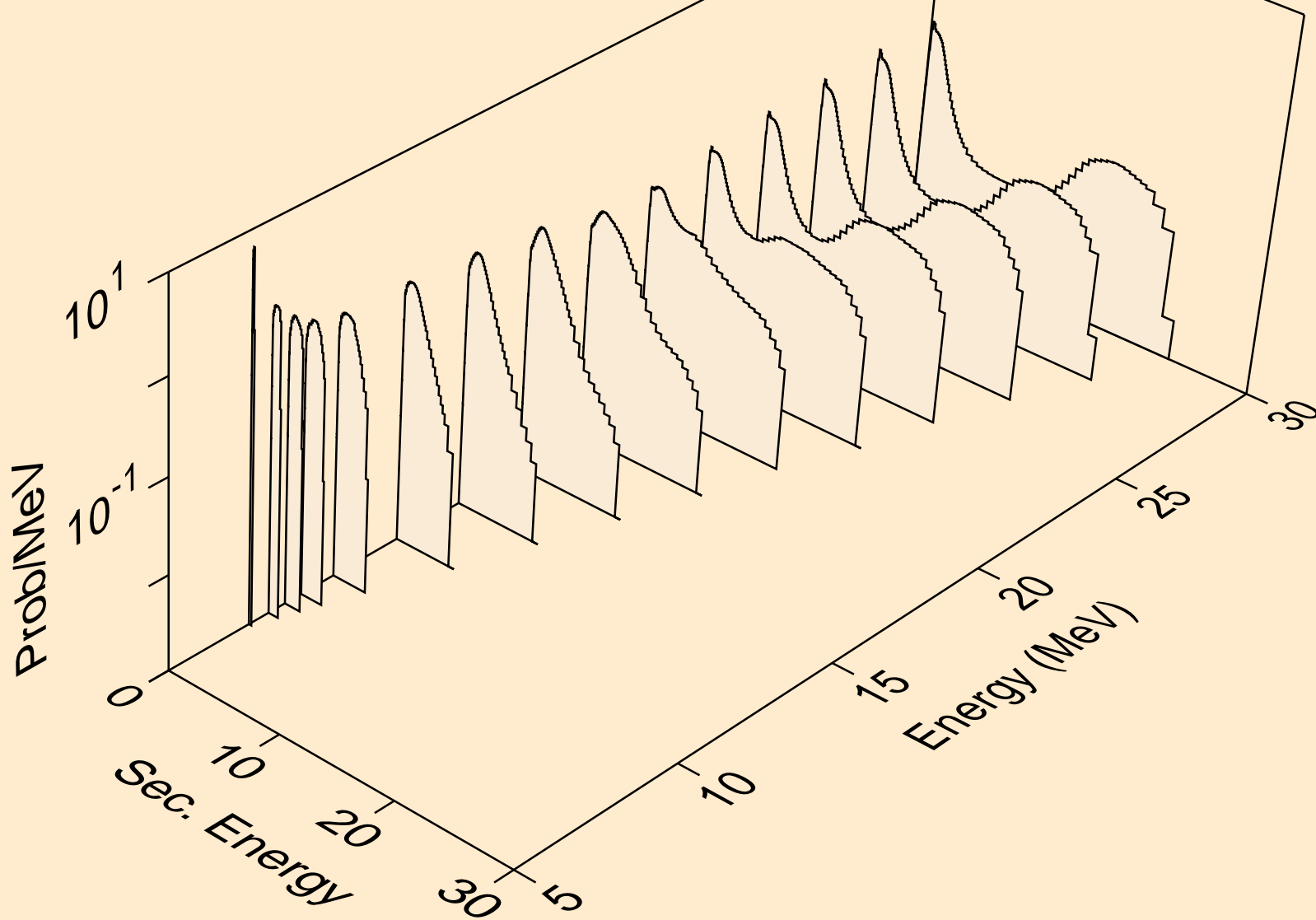
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



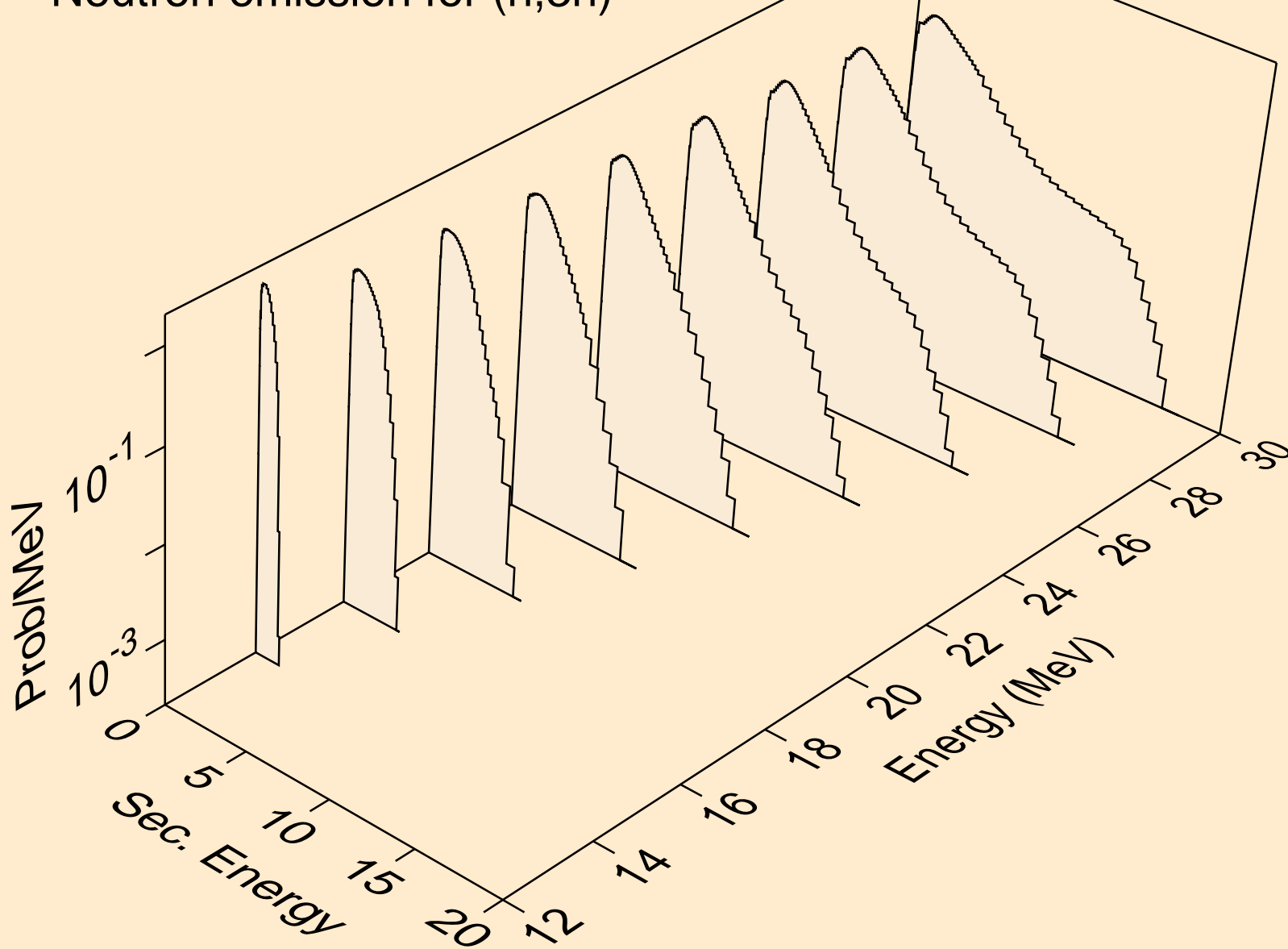
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



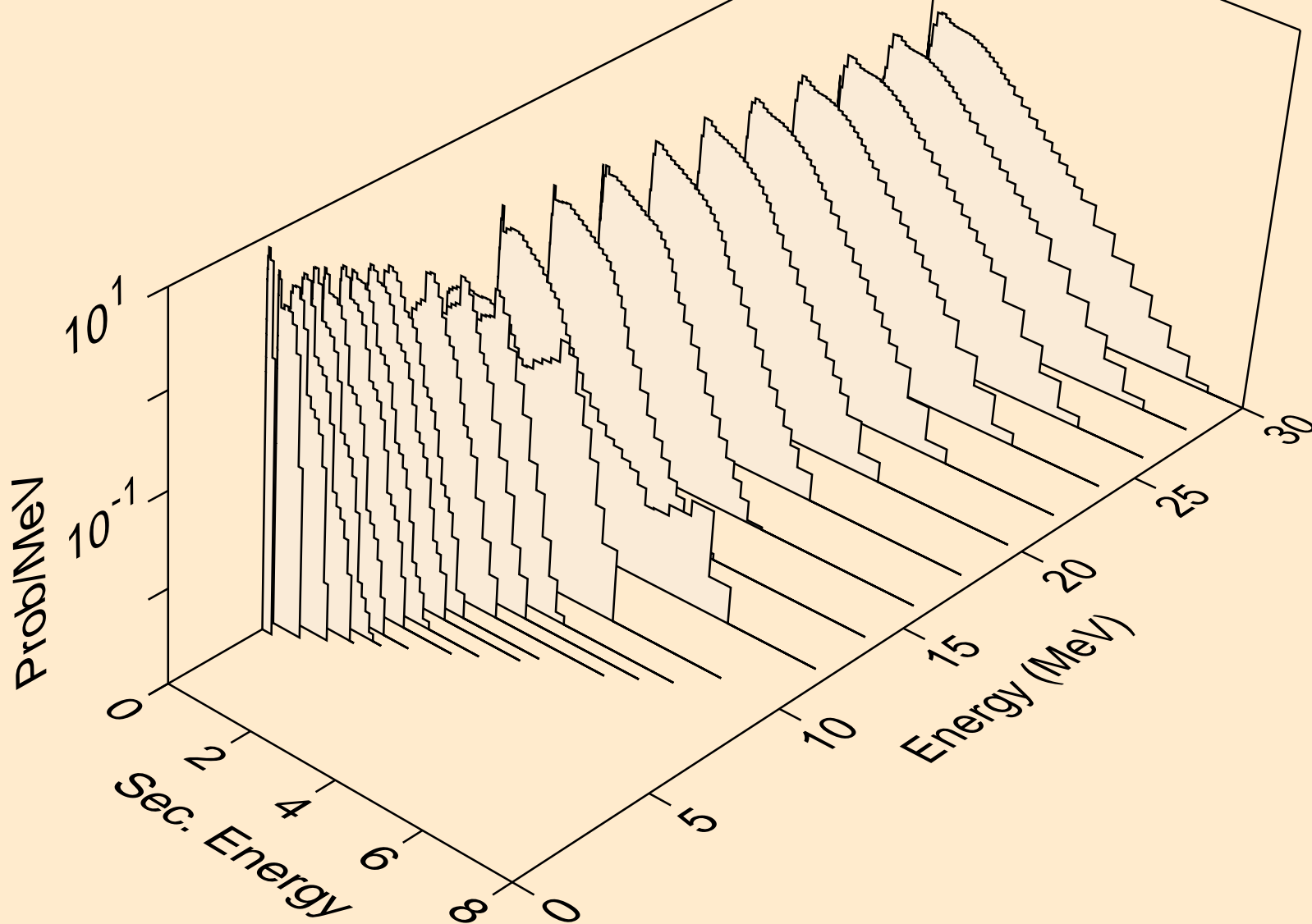
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)

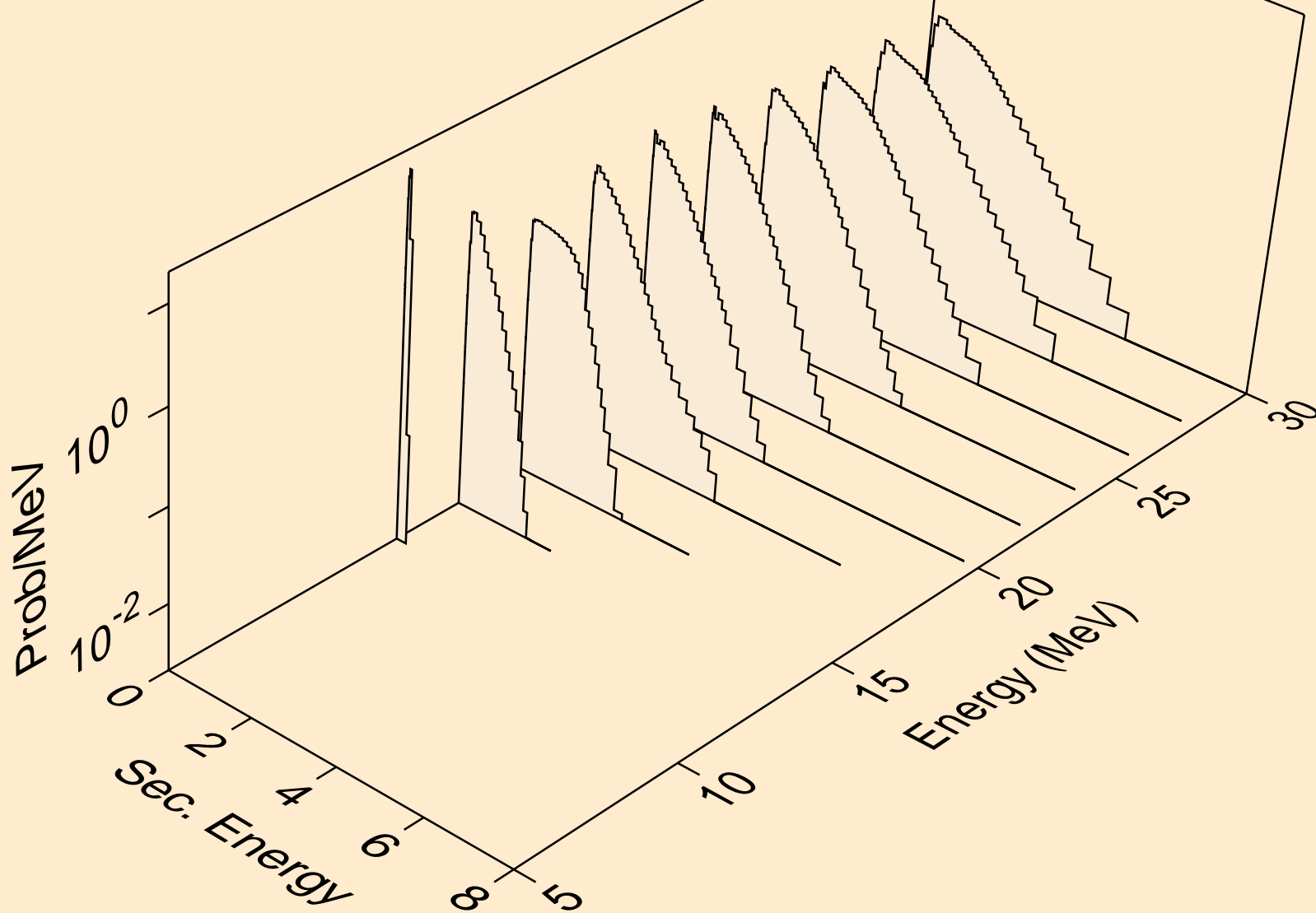


CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

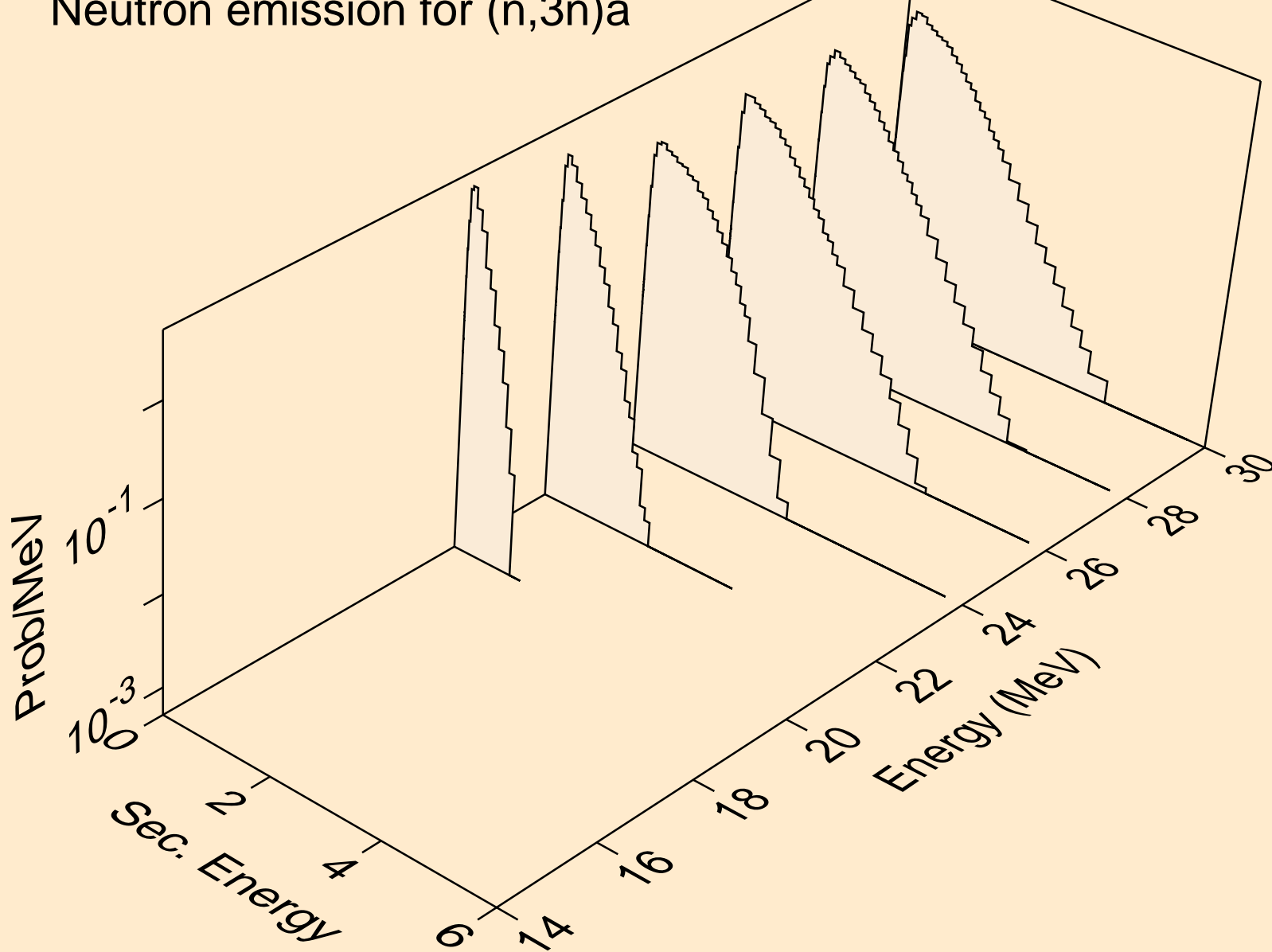




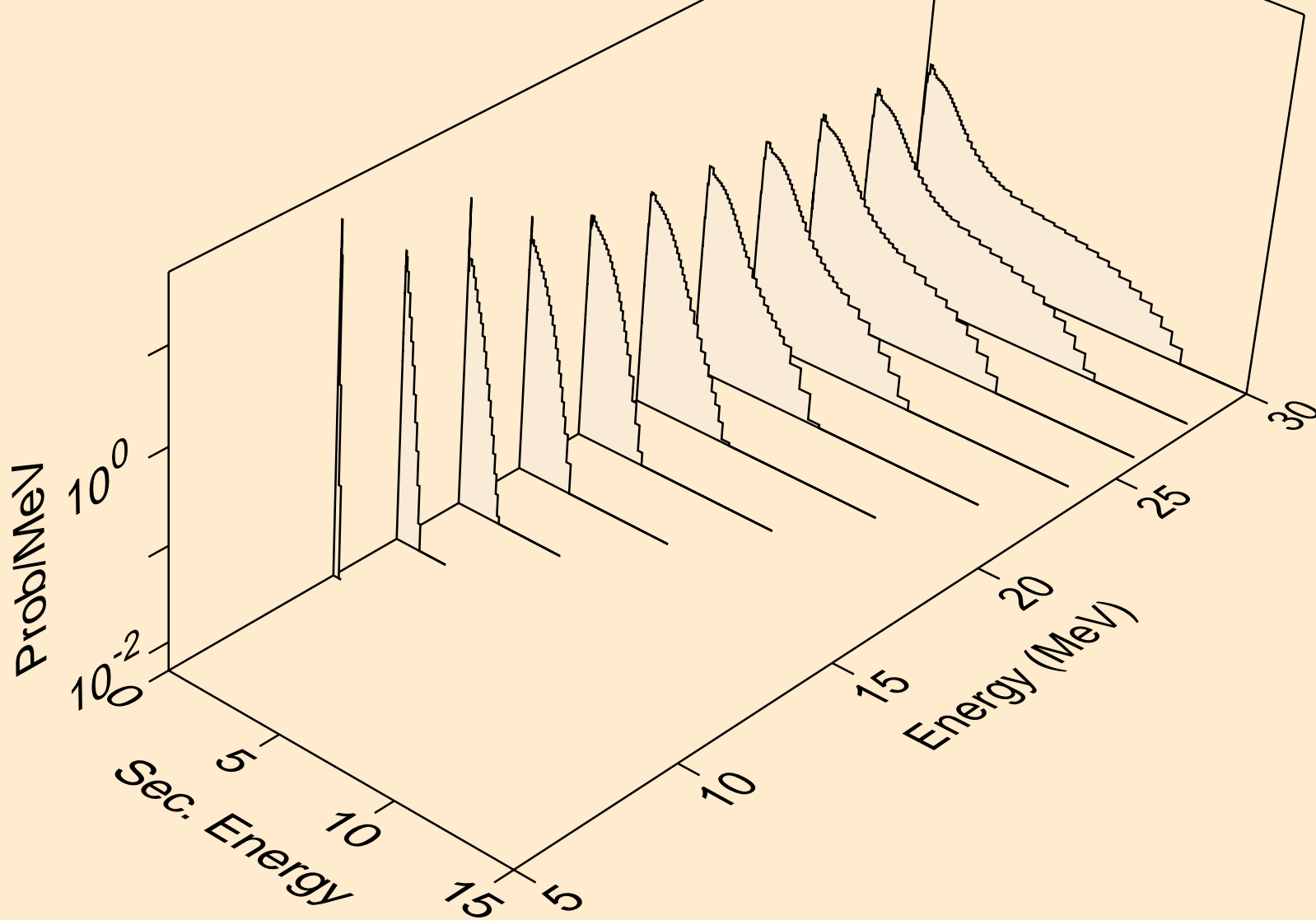
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



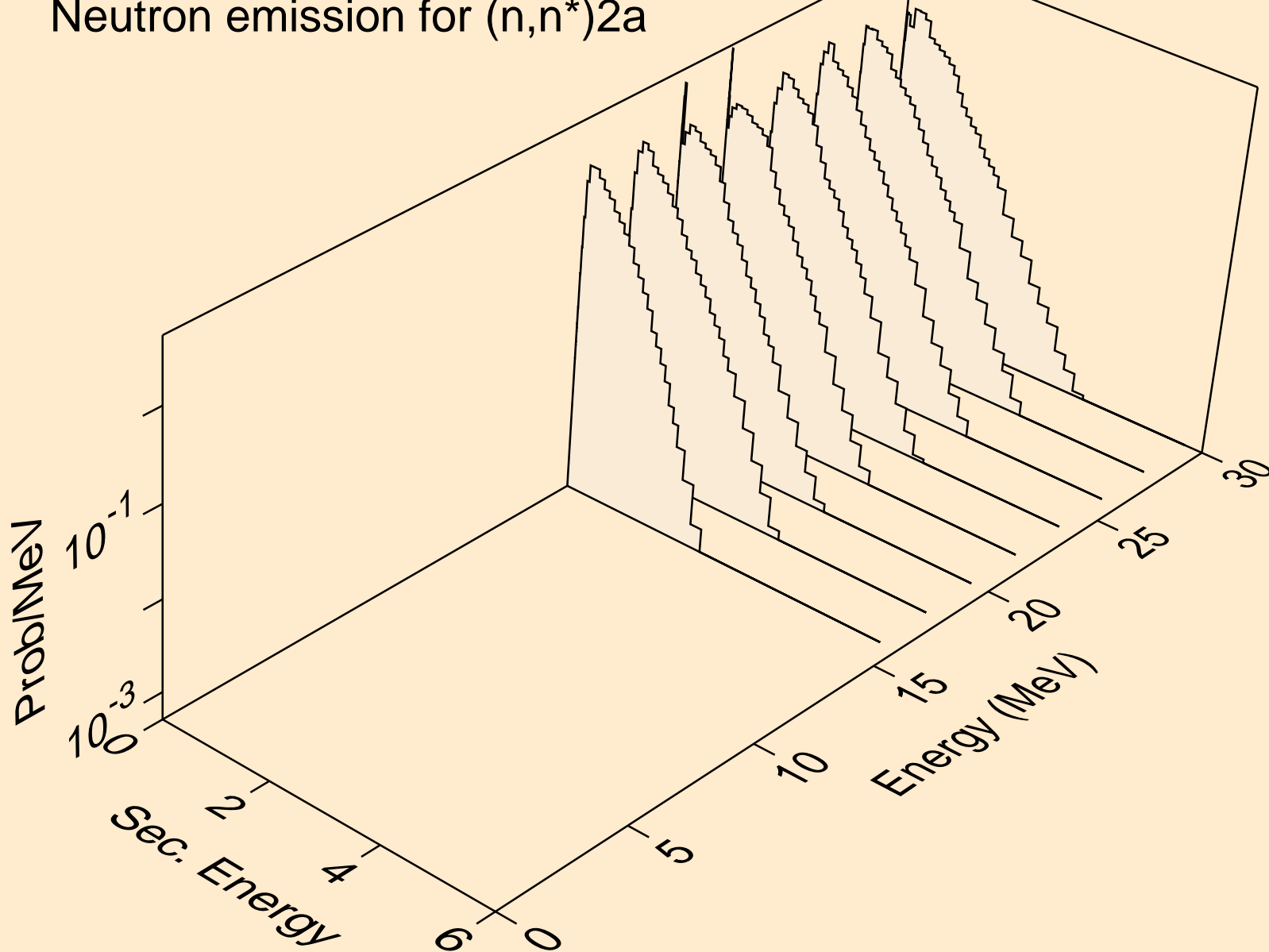
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



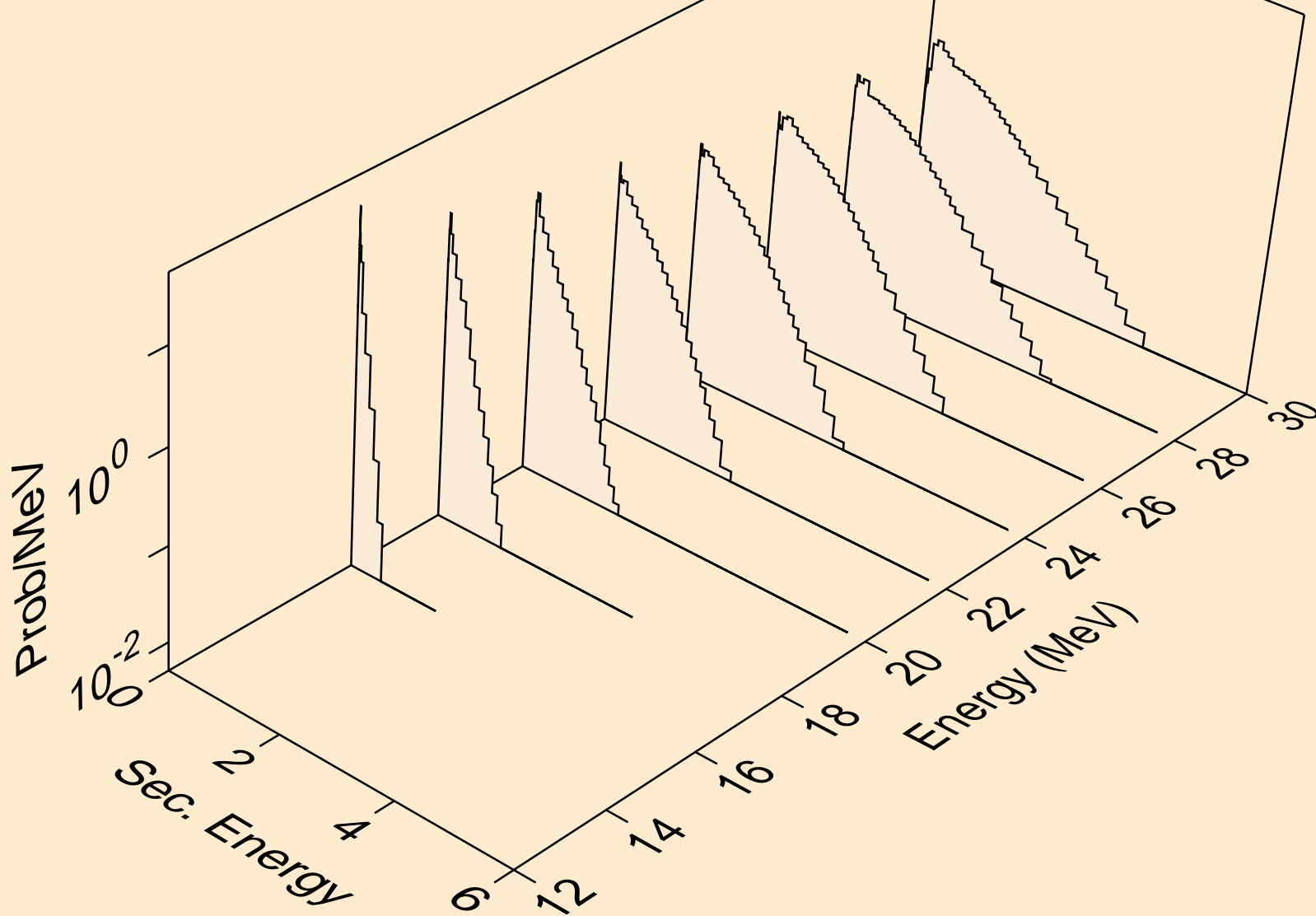
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



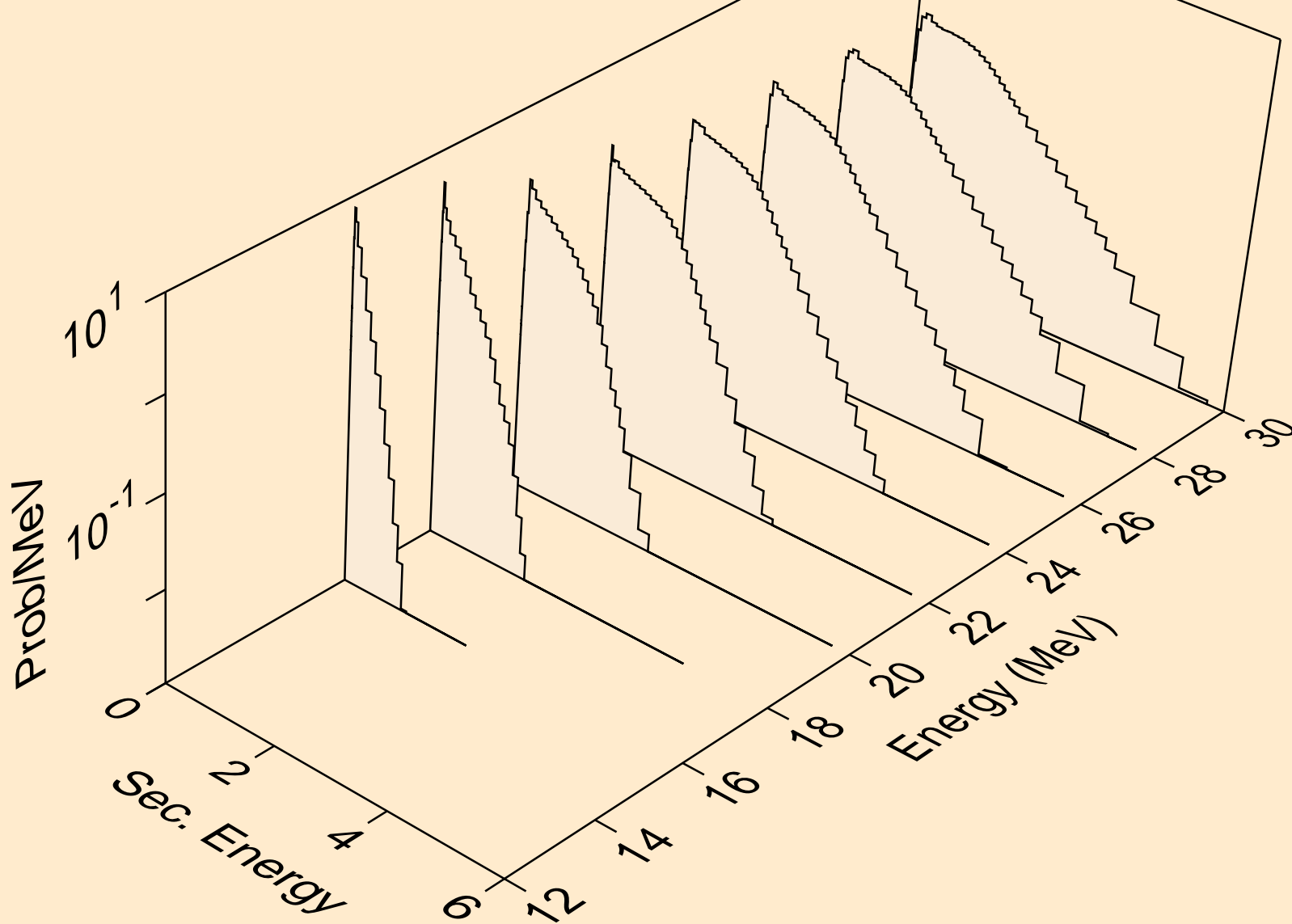
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



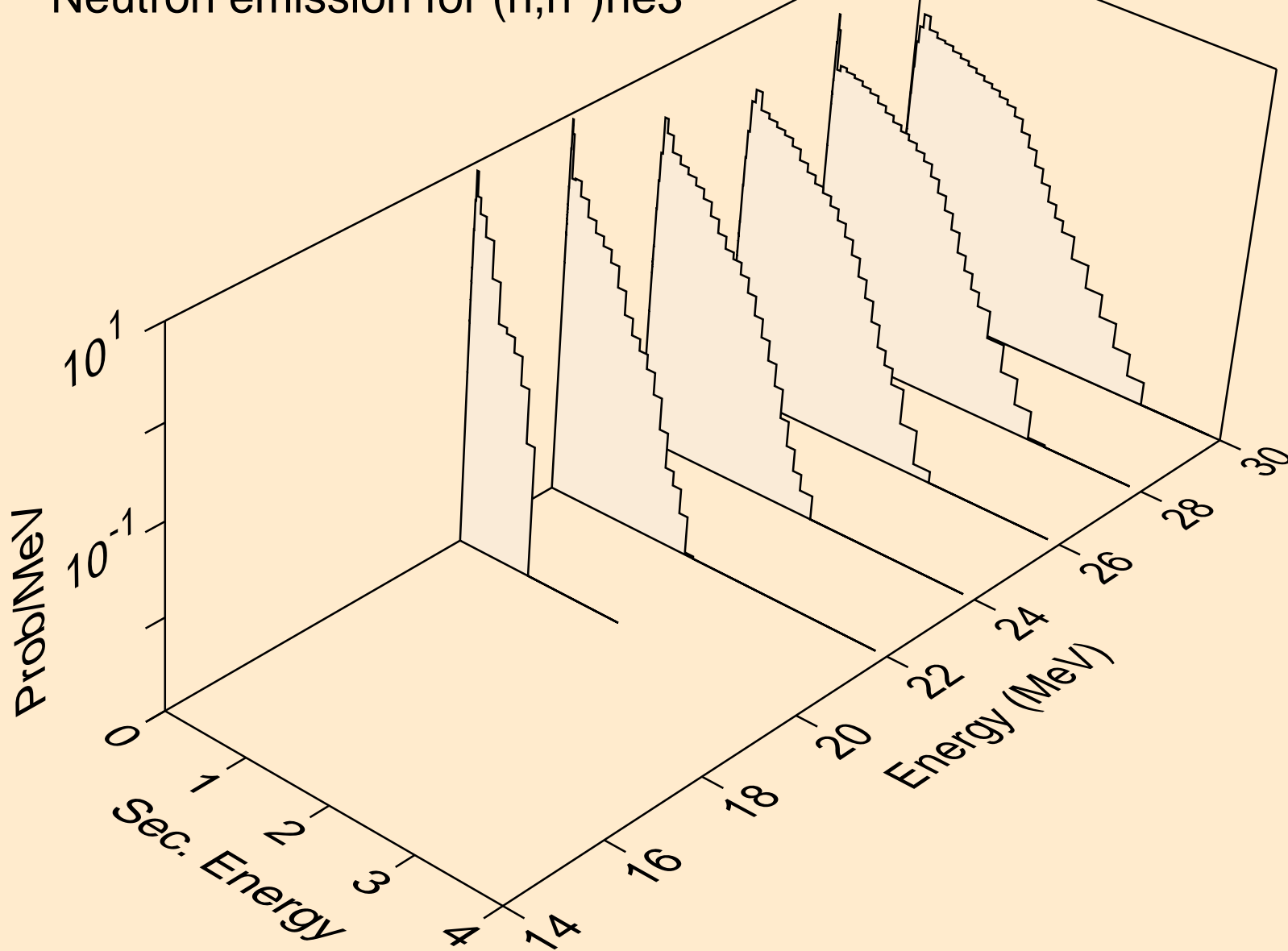
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



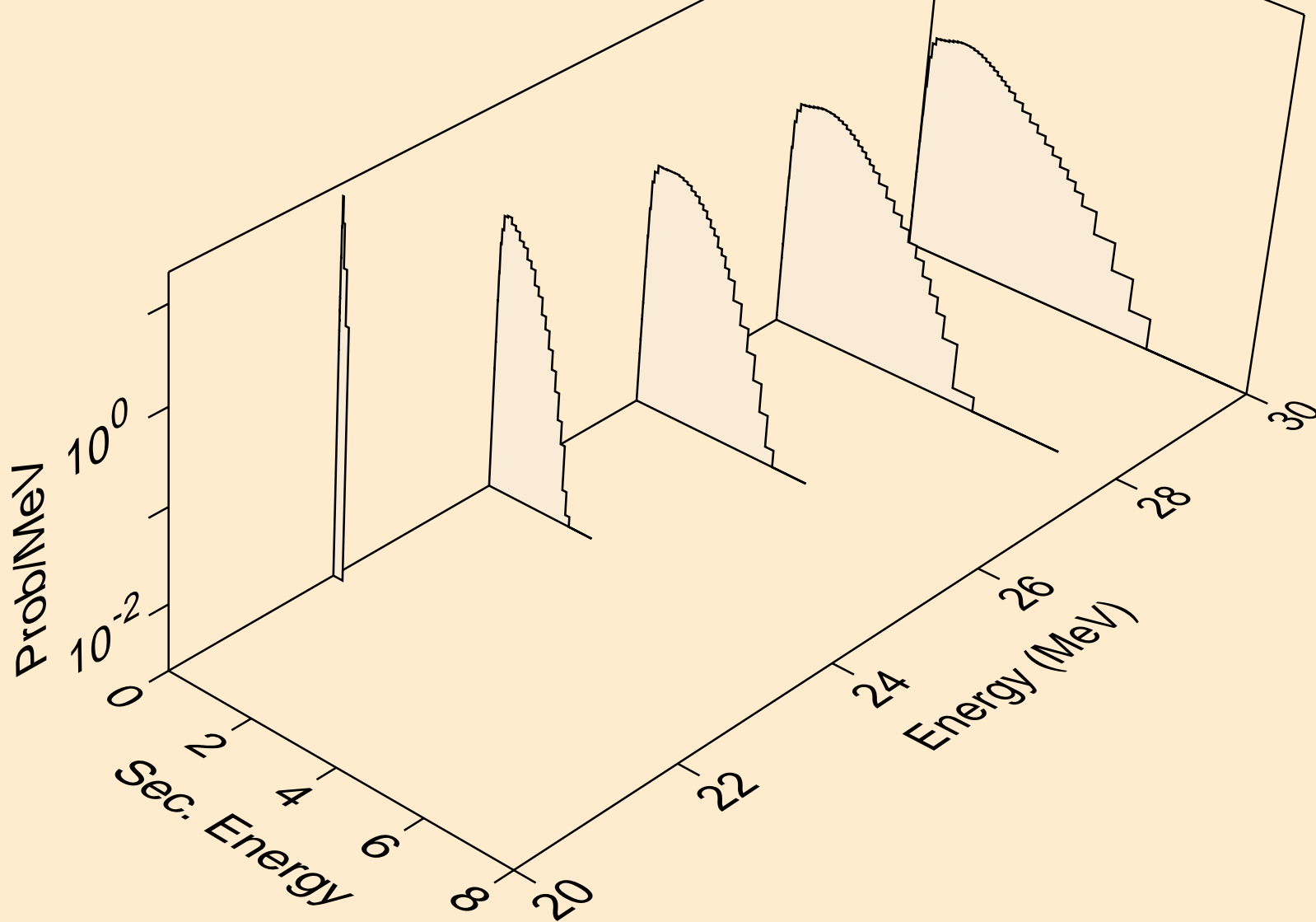
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3

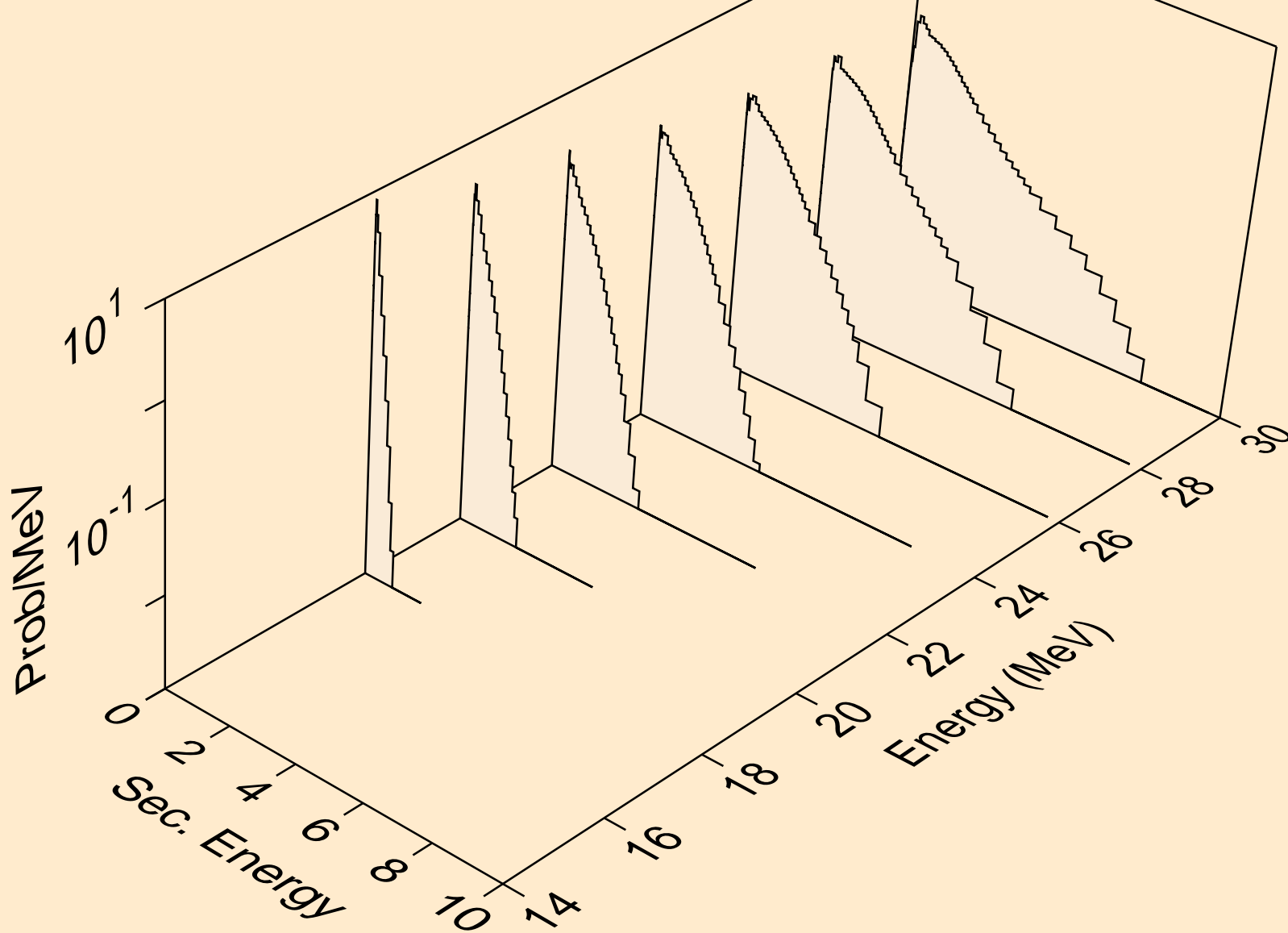


CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)

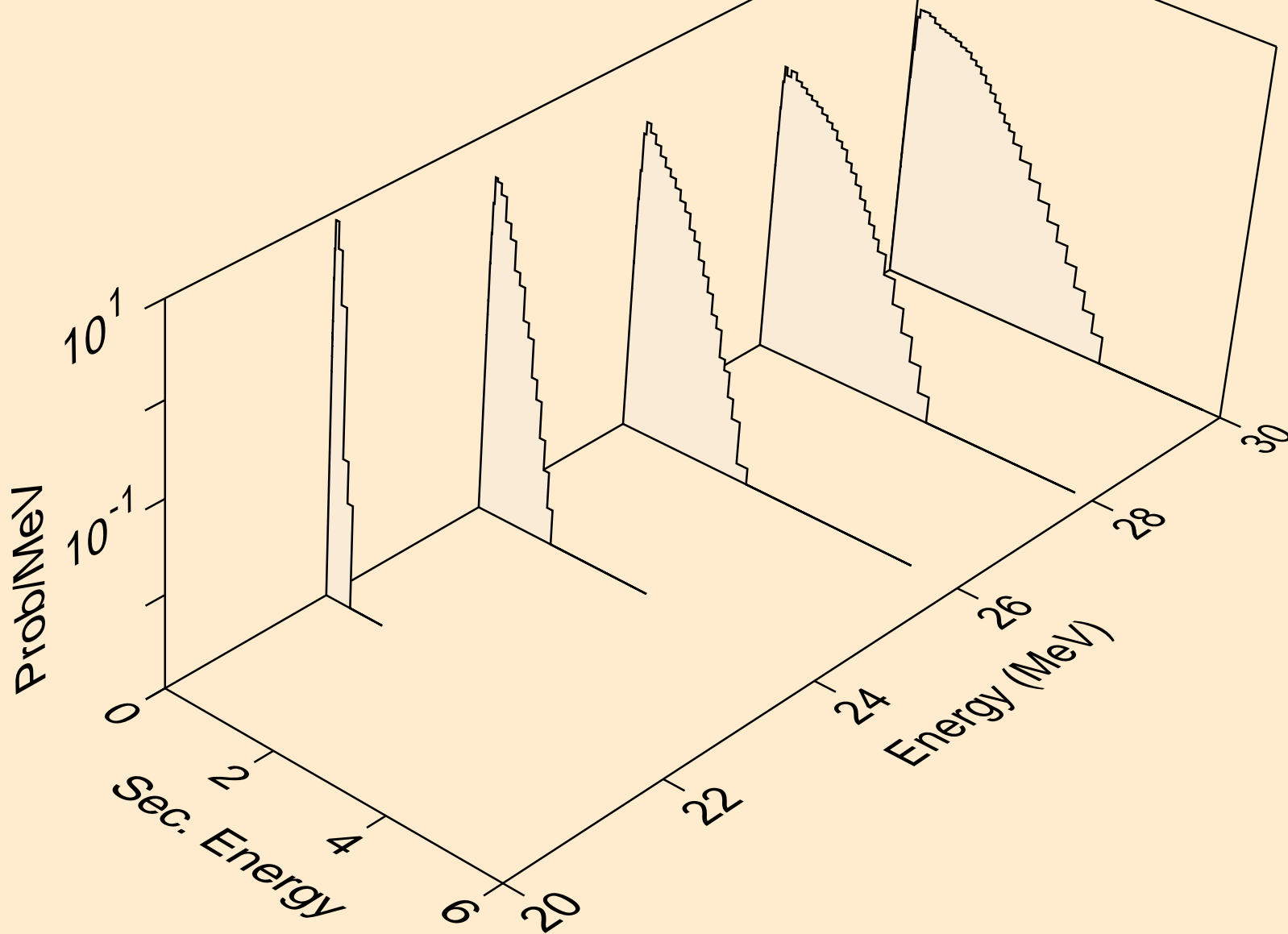




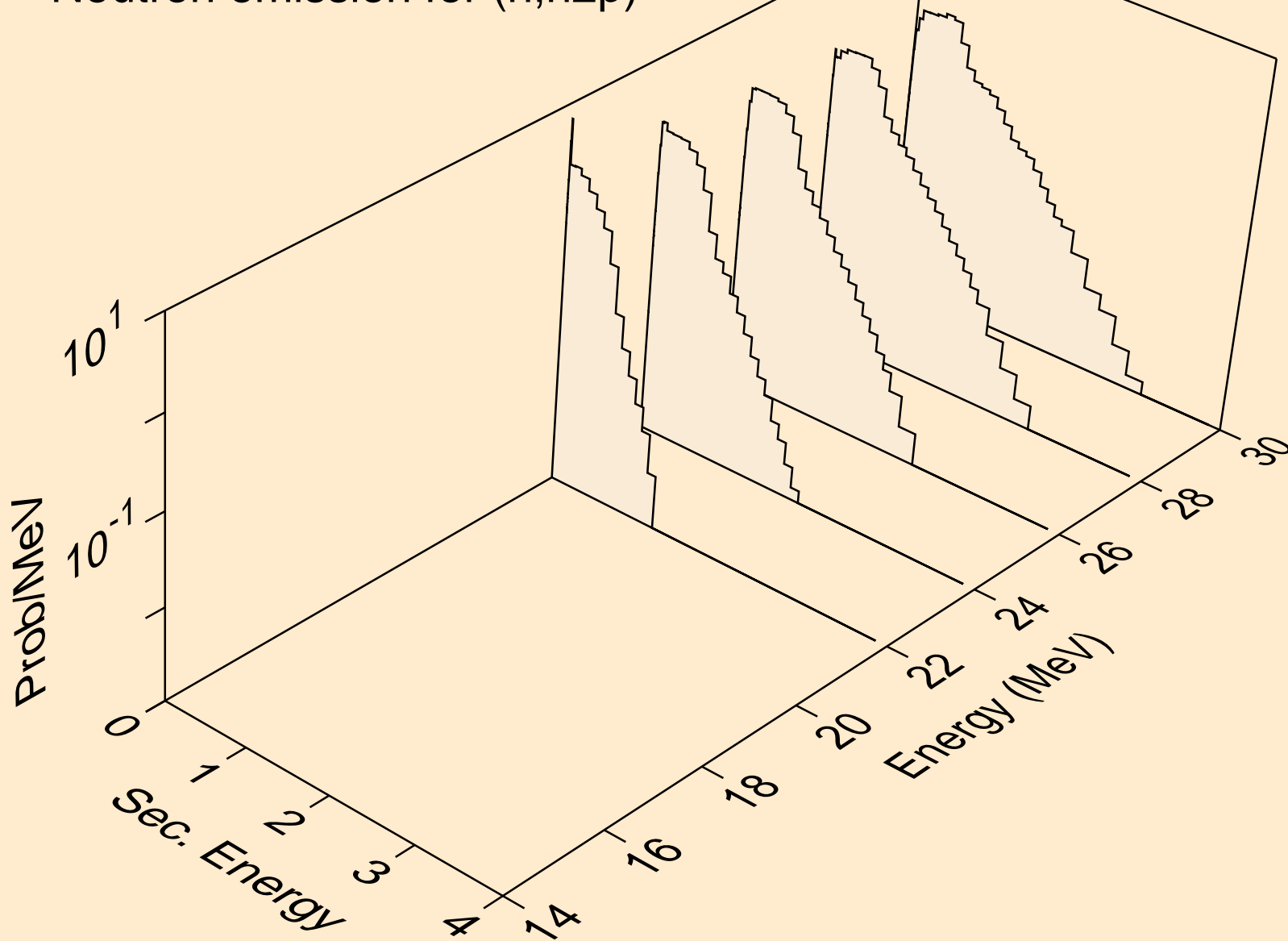
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



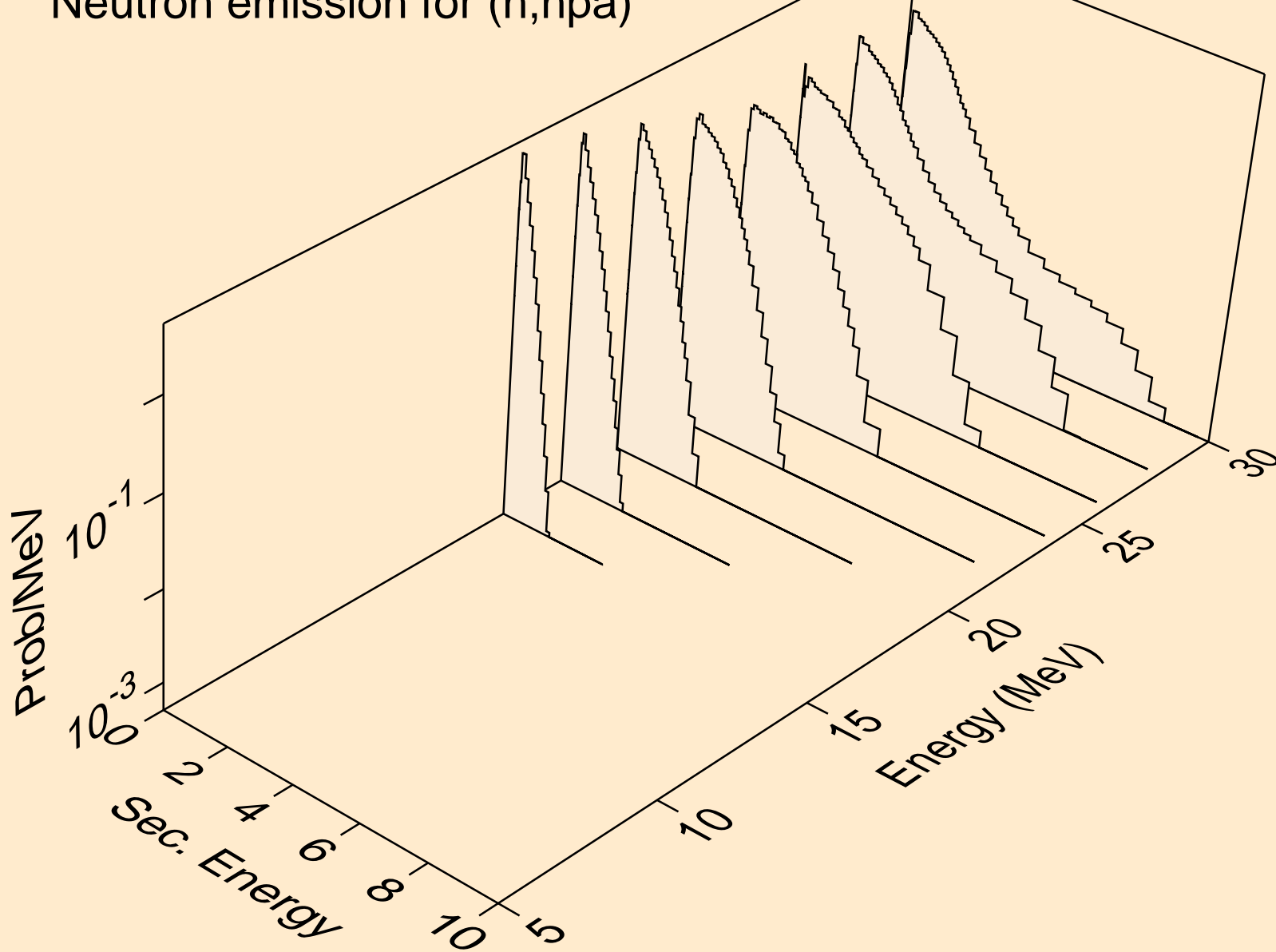
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



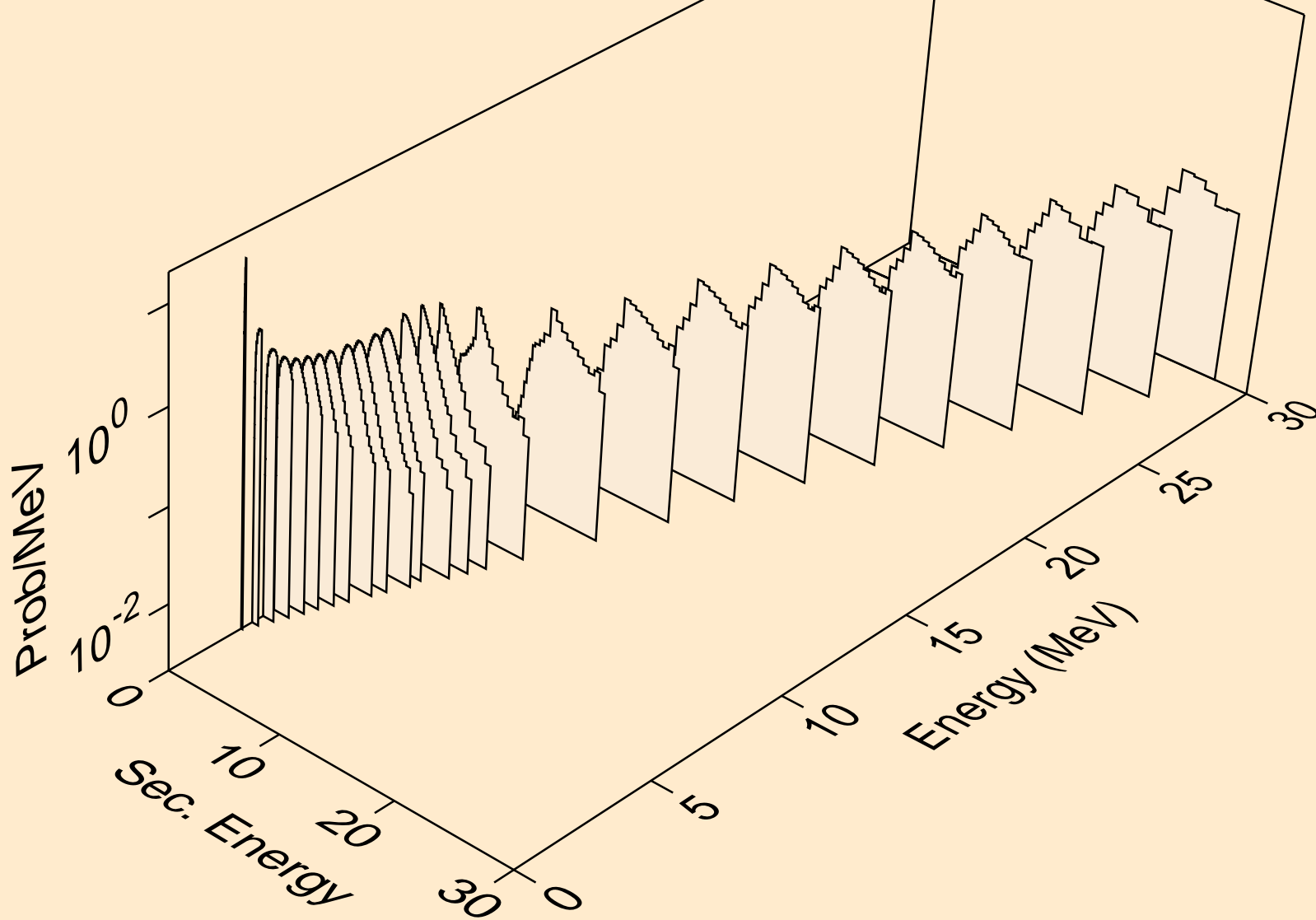
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



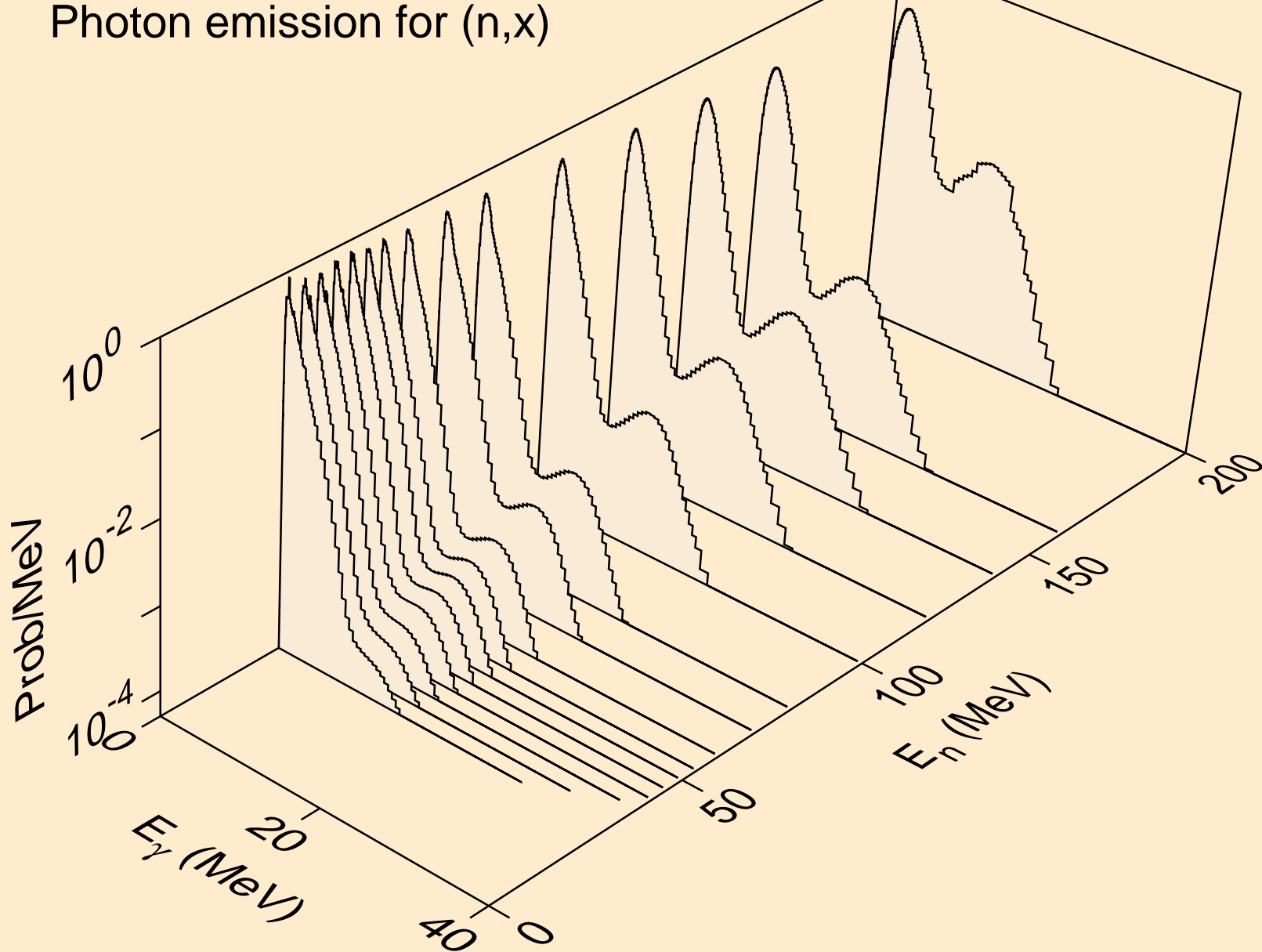
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



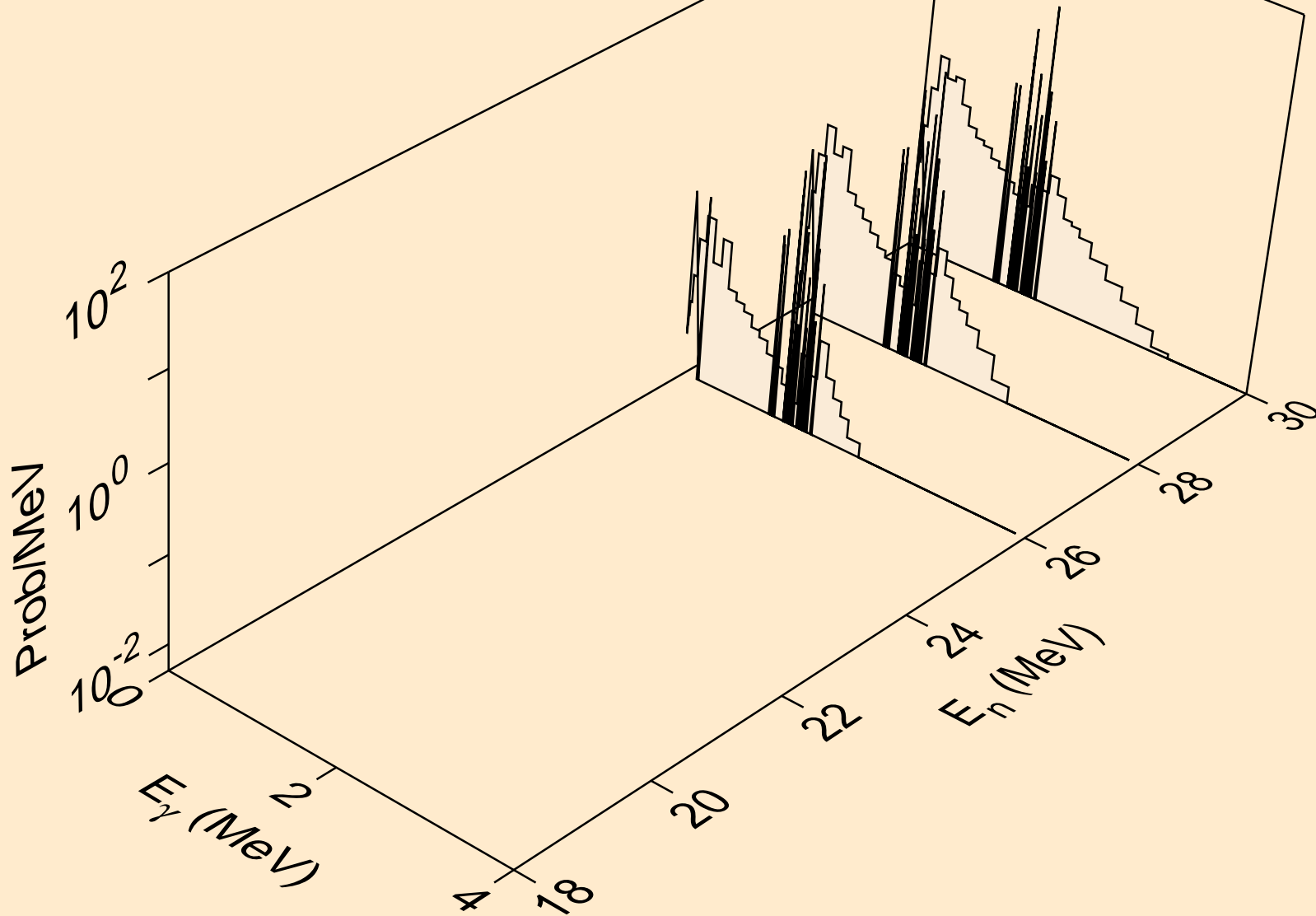
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



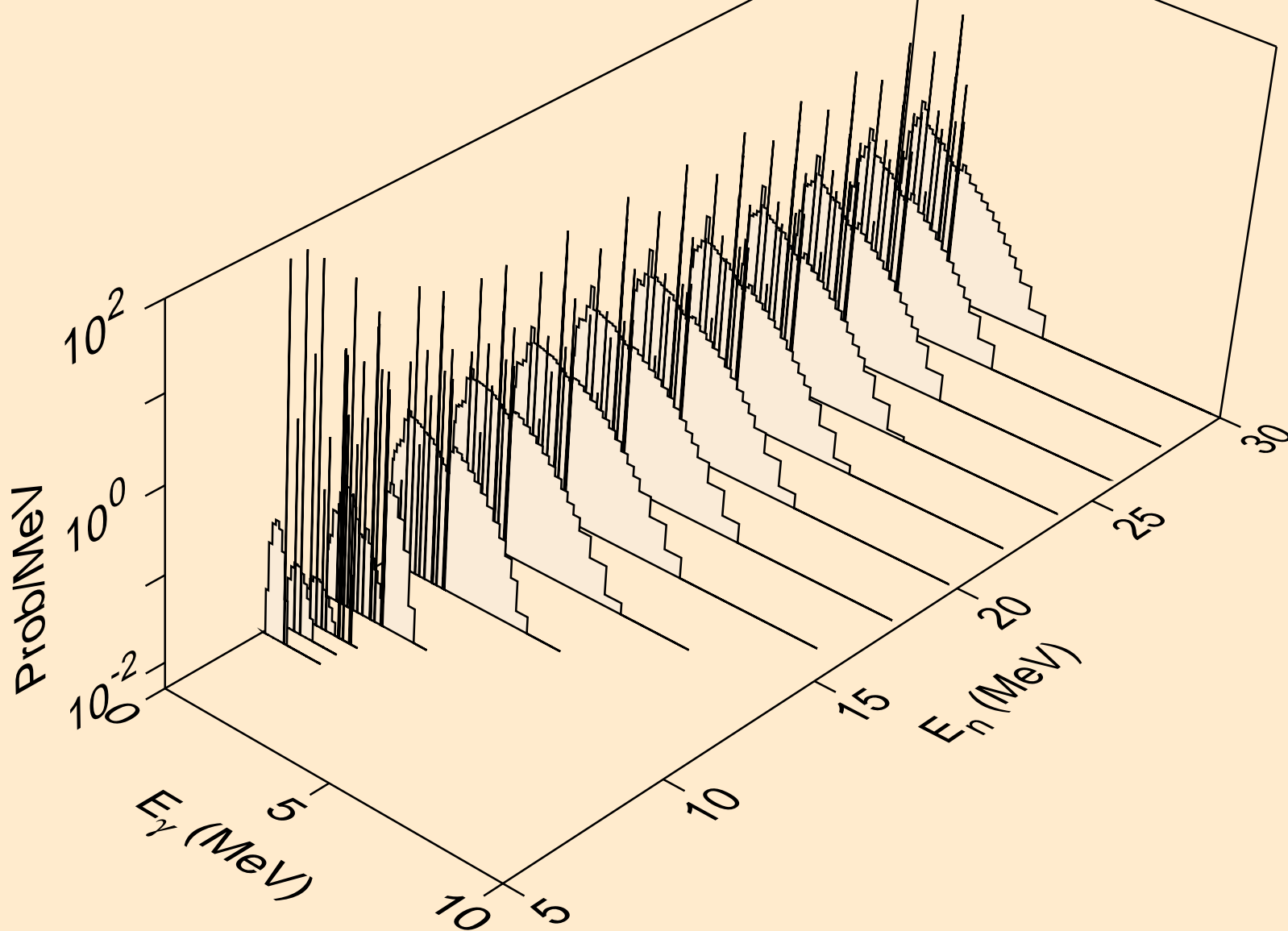
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)

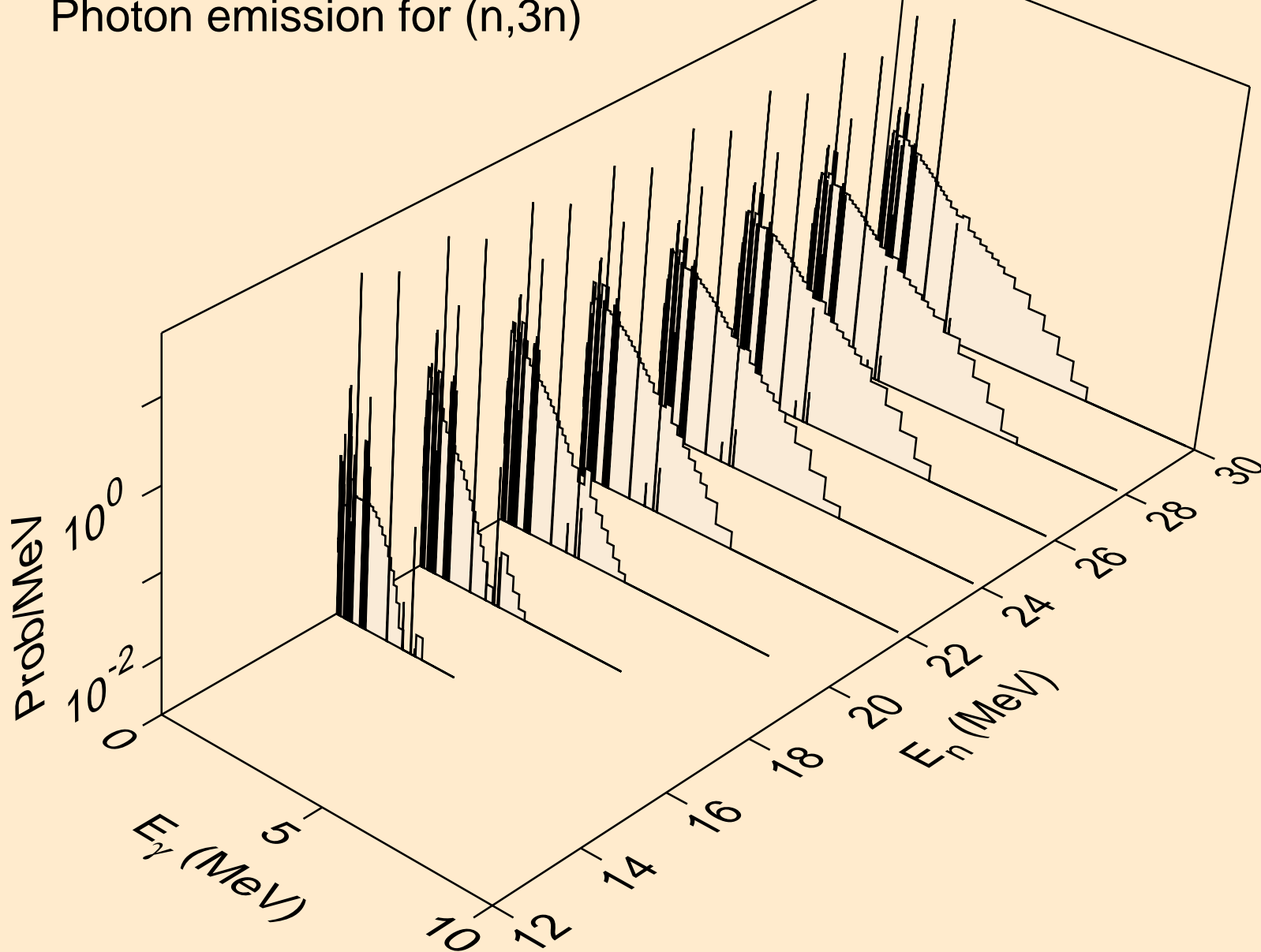


CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)

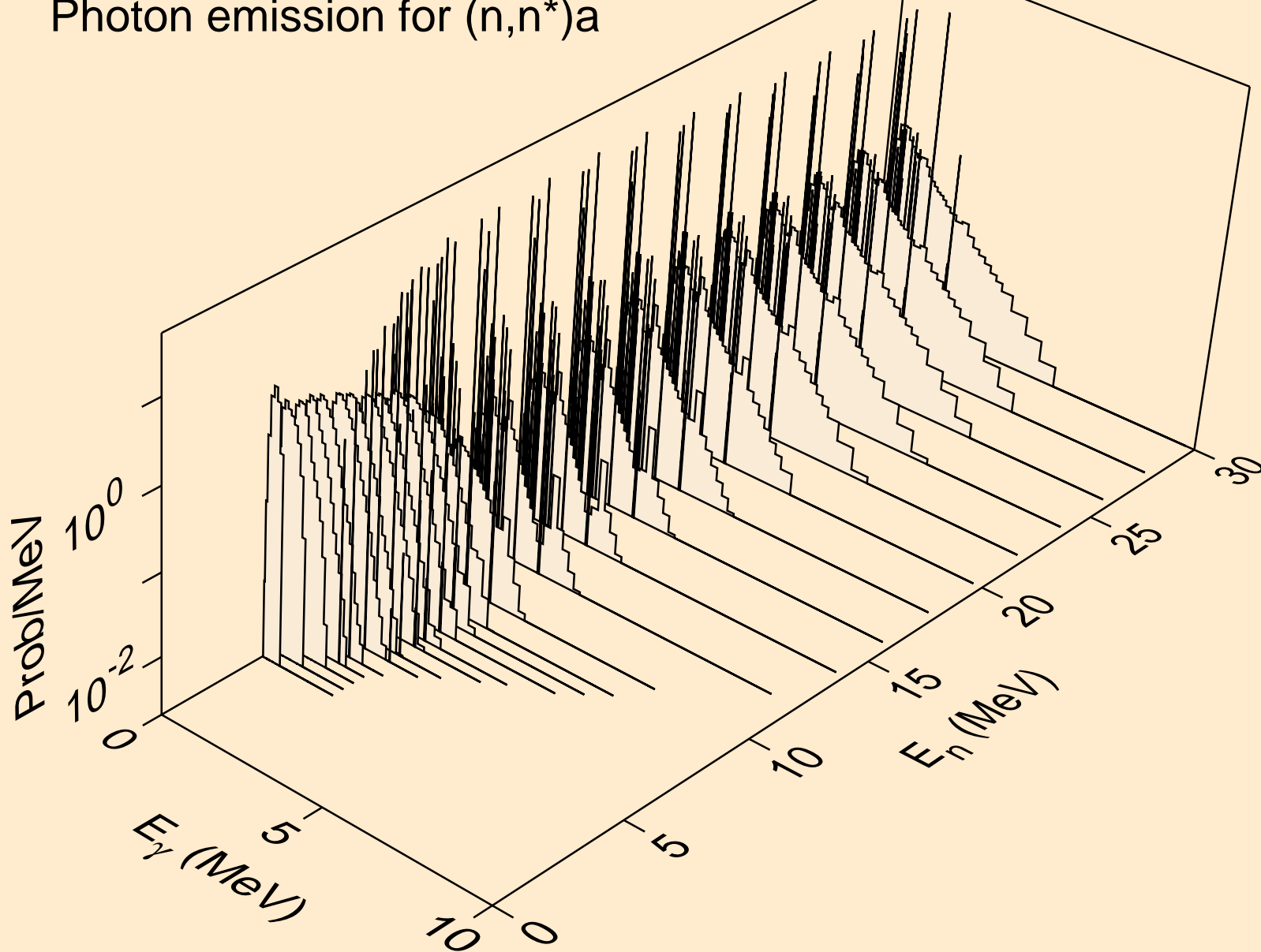




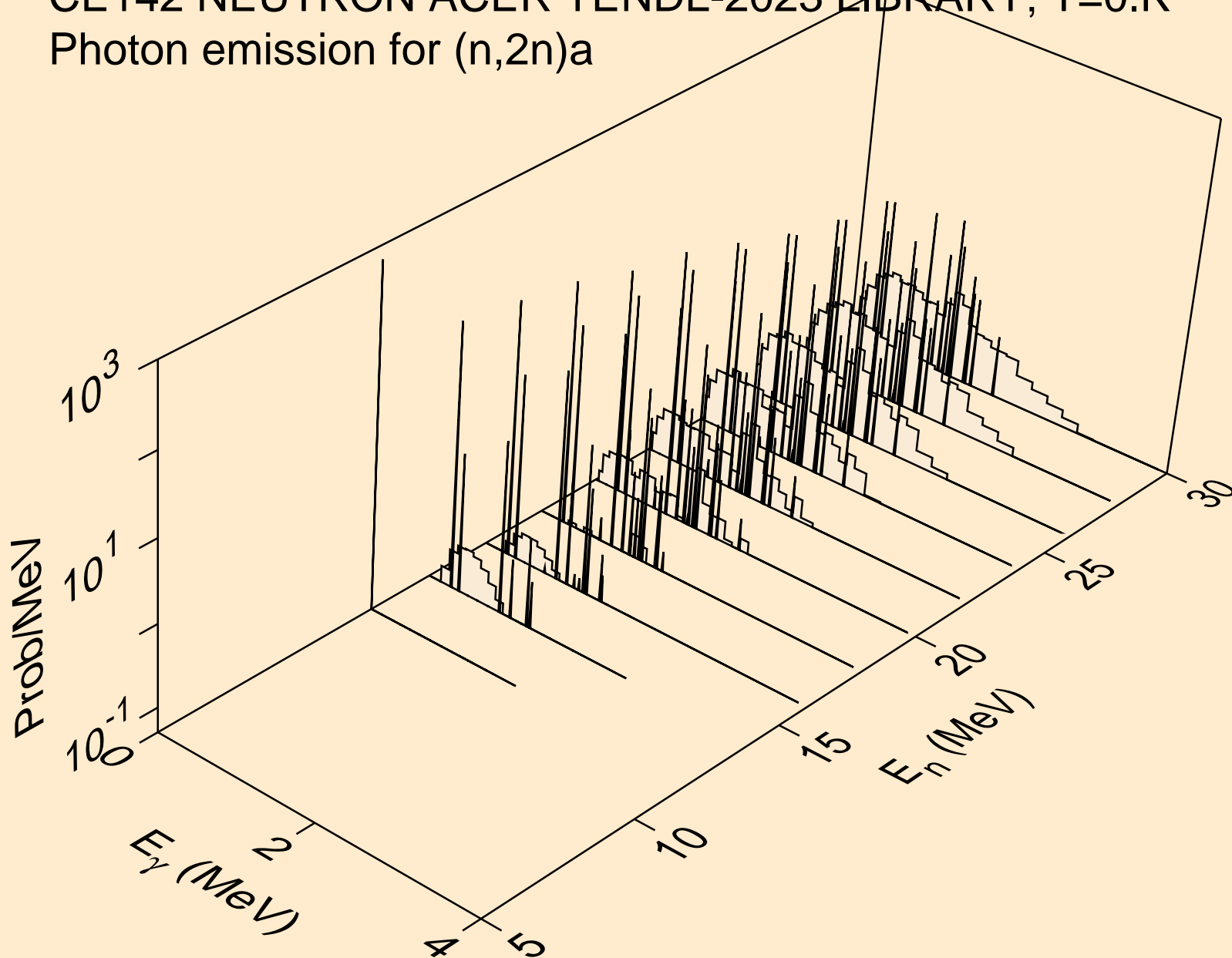
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



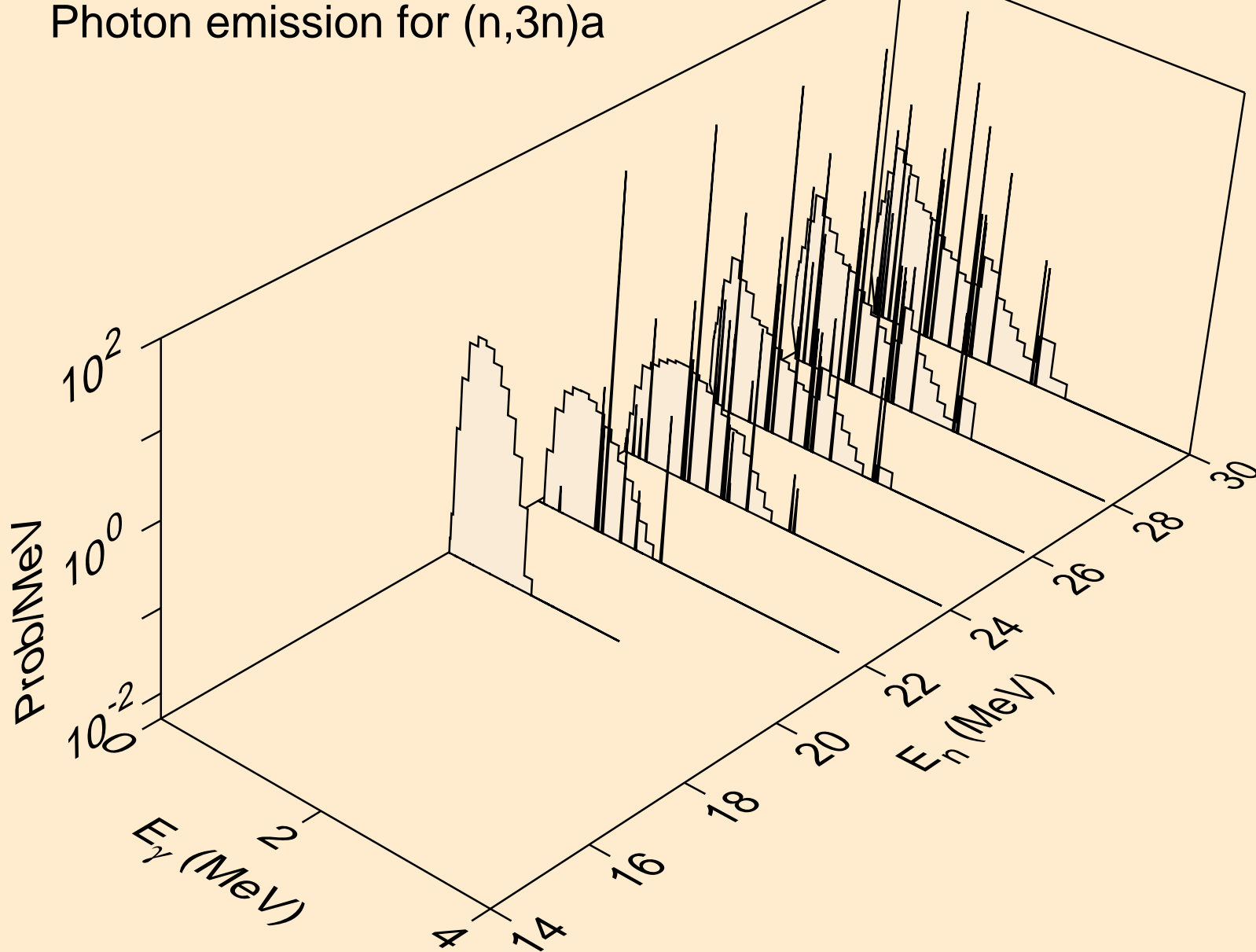
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



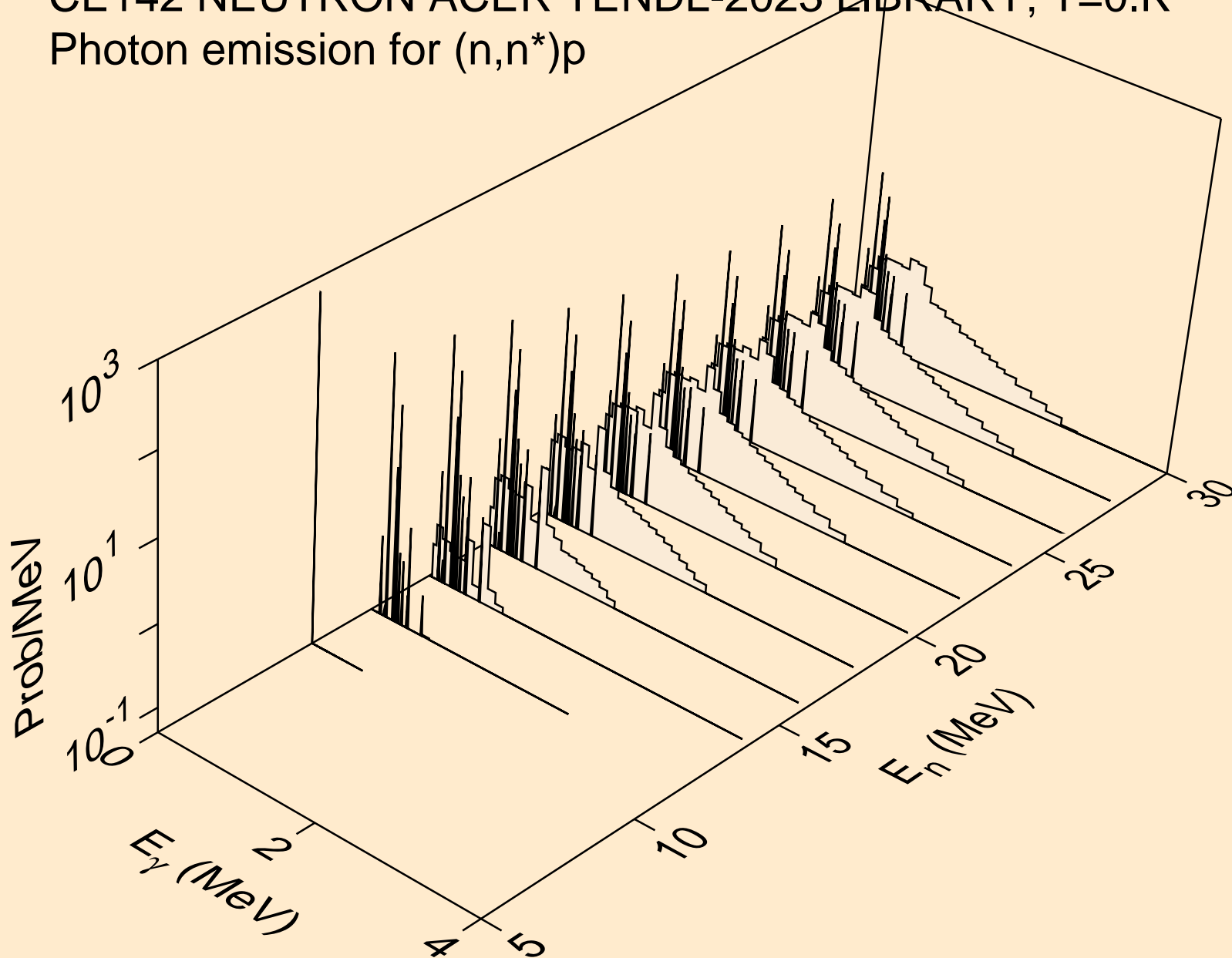
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Photon emission for (n,2n)a



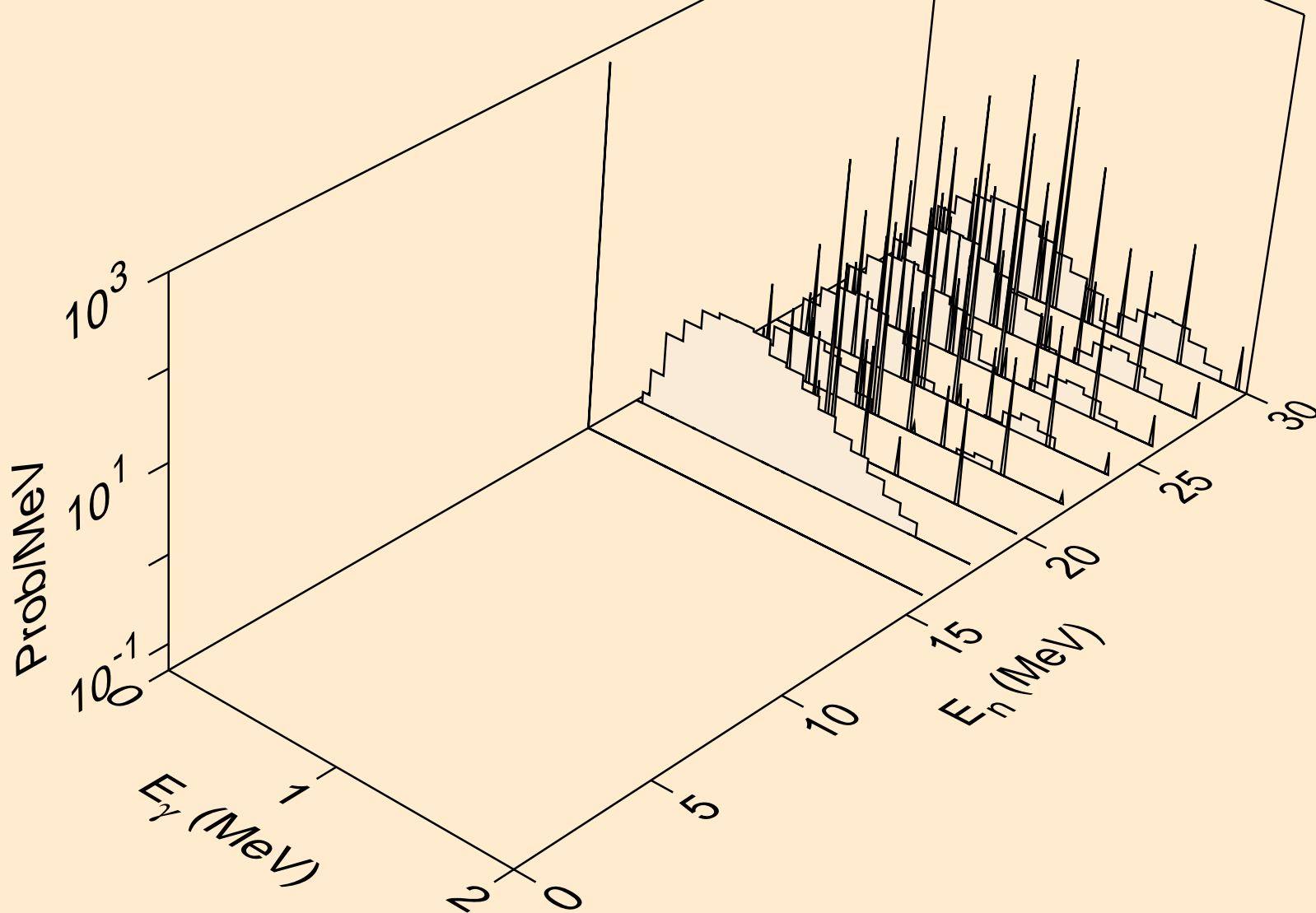
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Photon emission for (n,3n)a



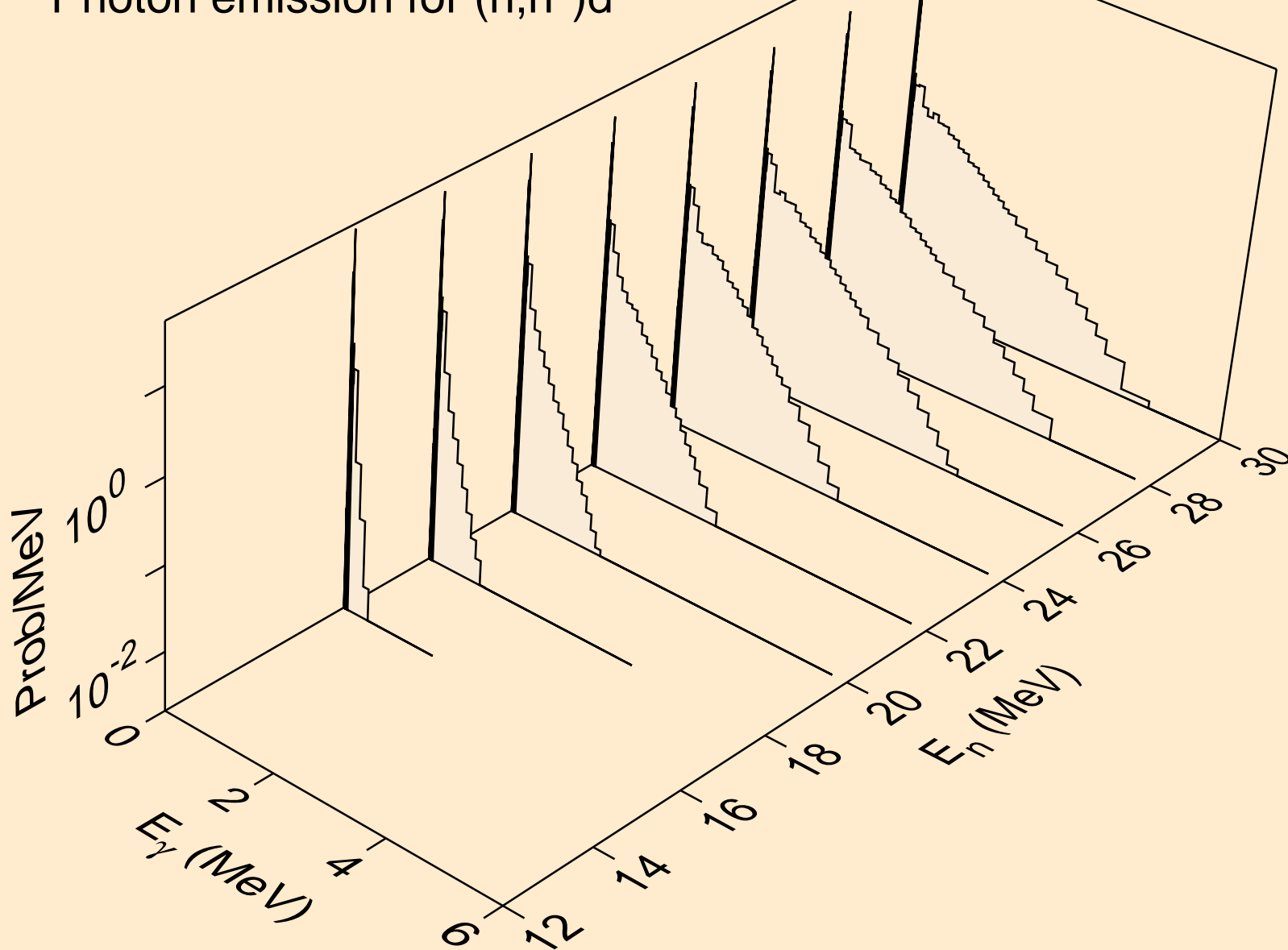
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



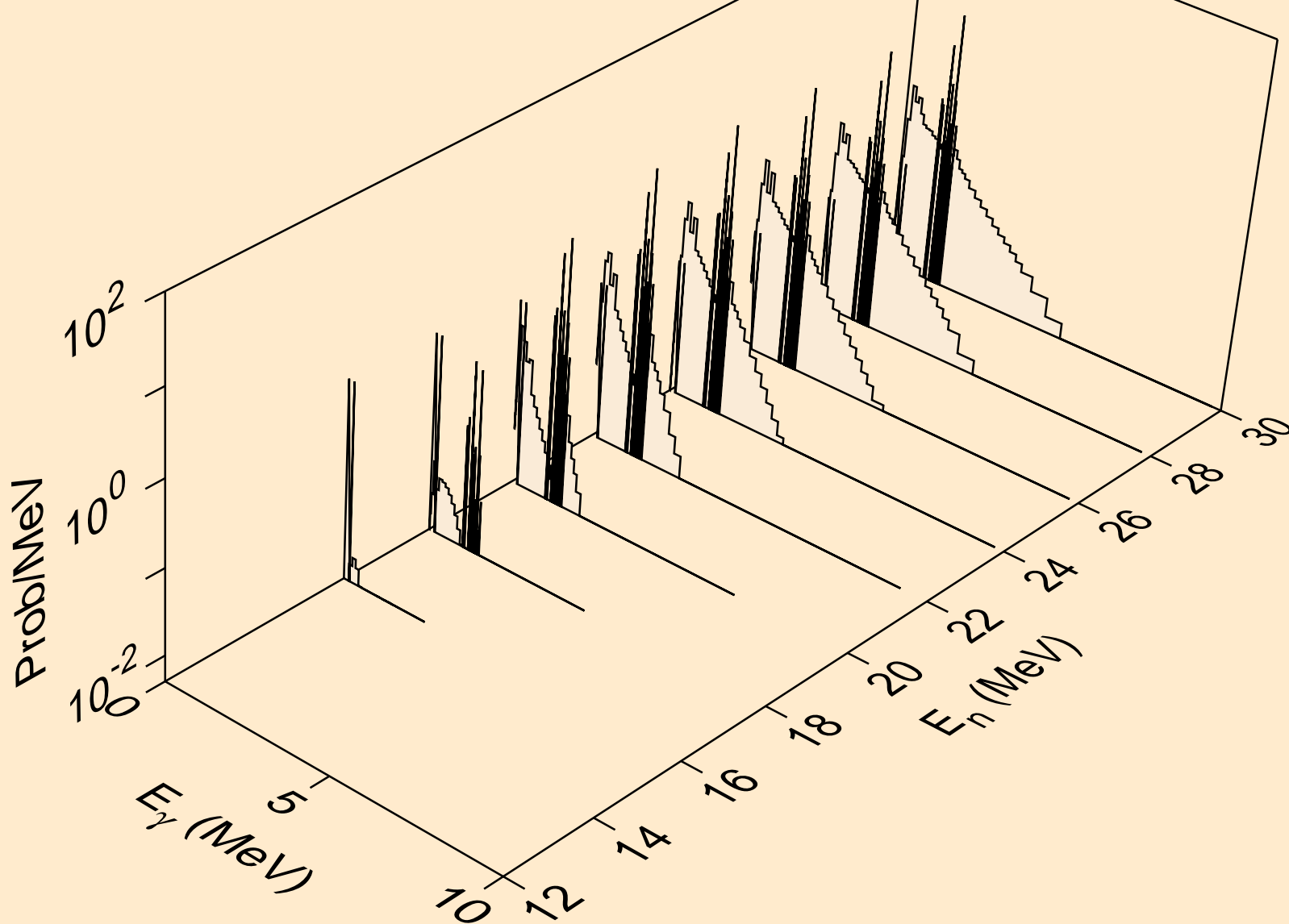
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

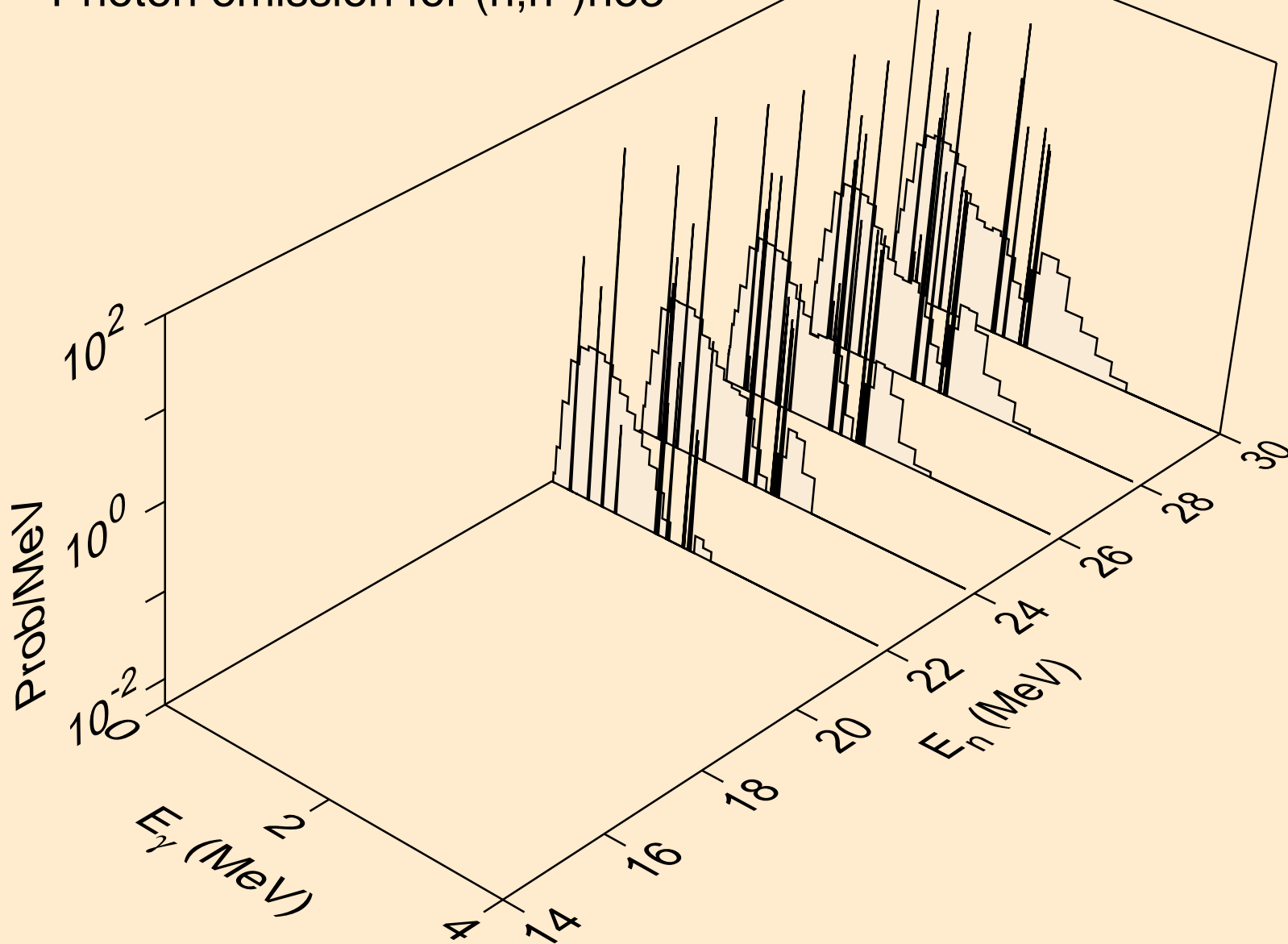


CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

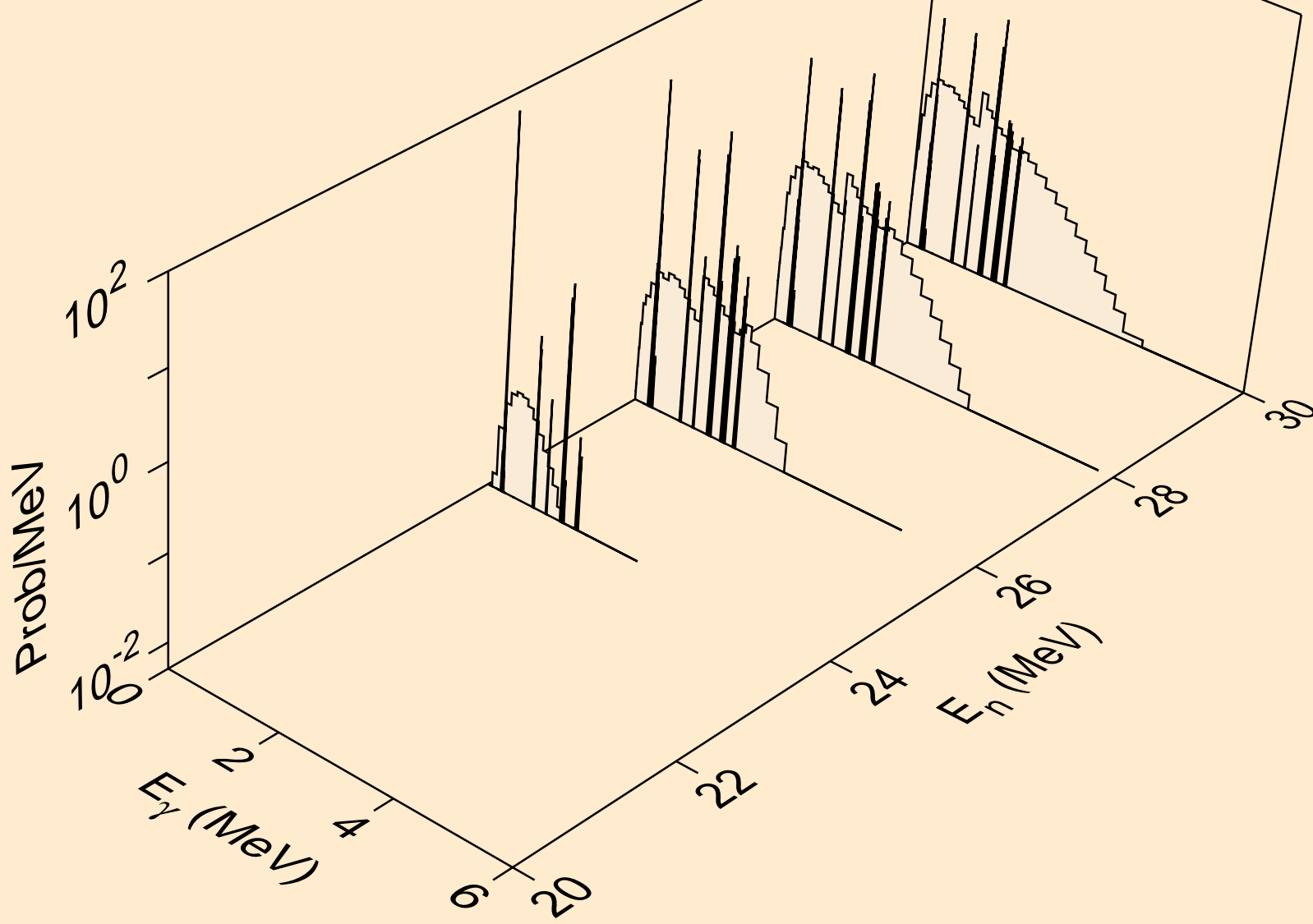




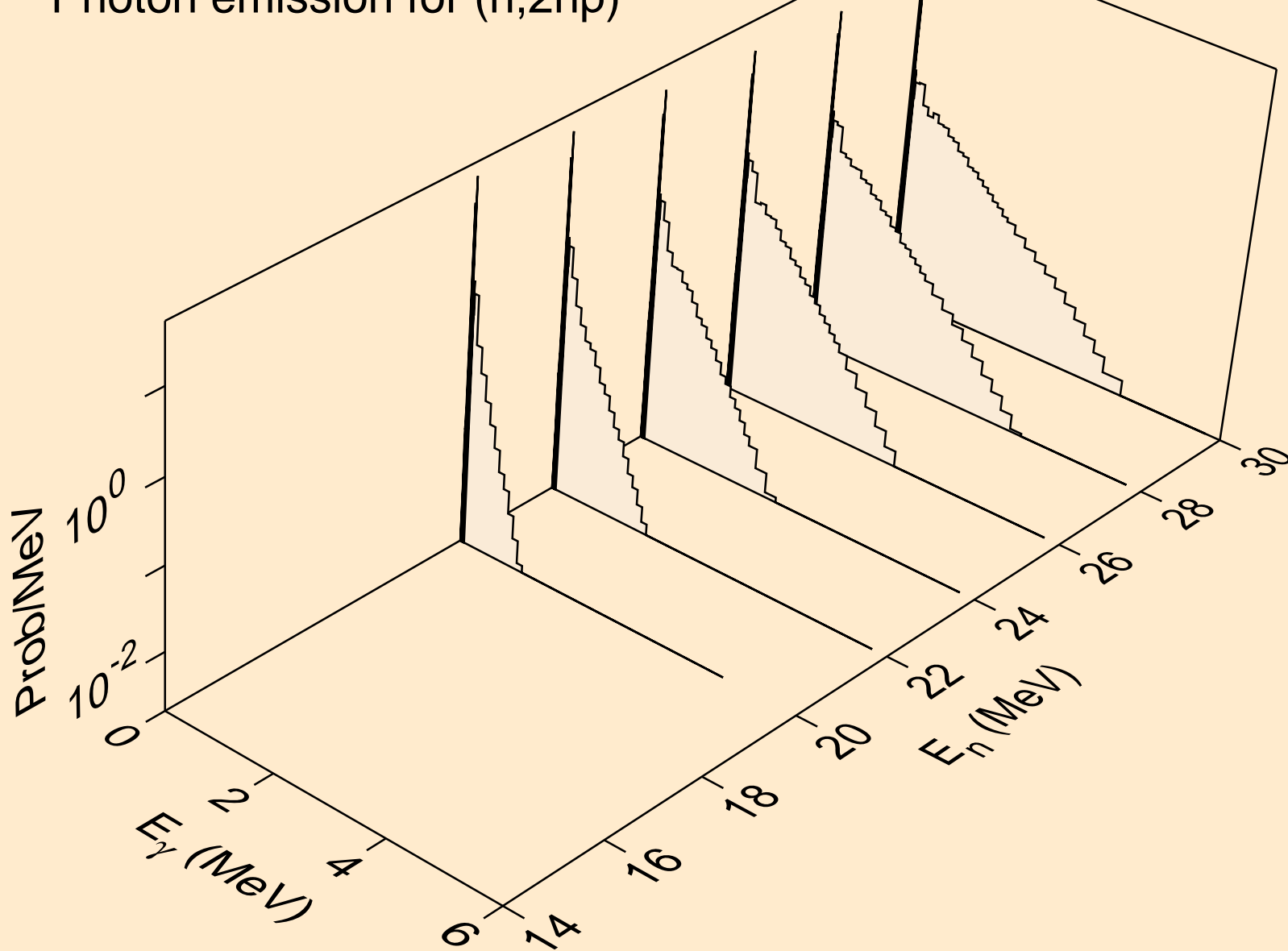
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



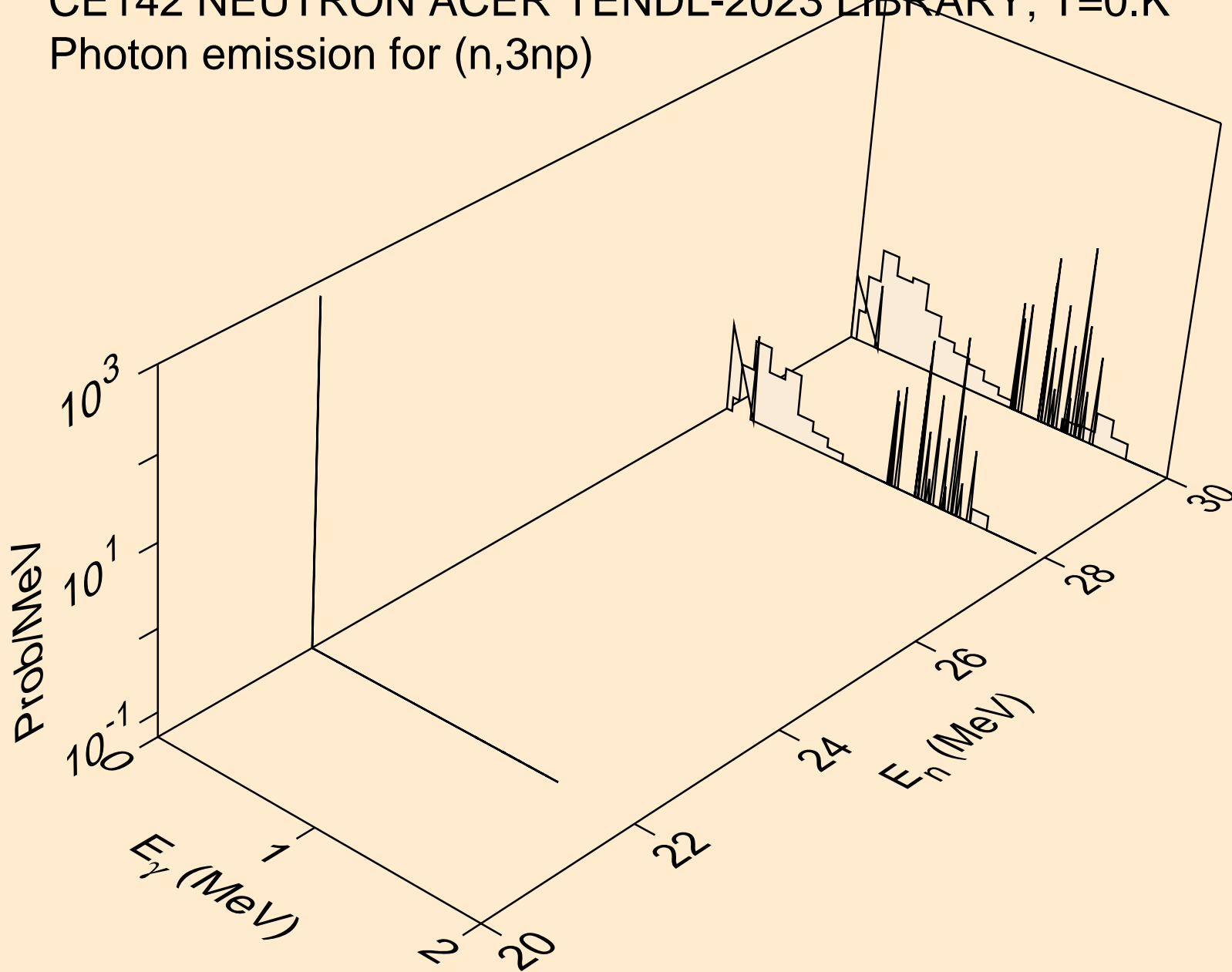
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



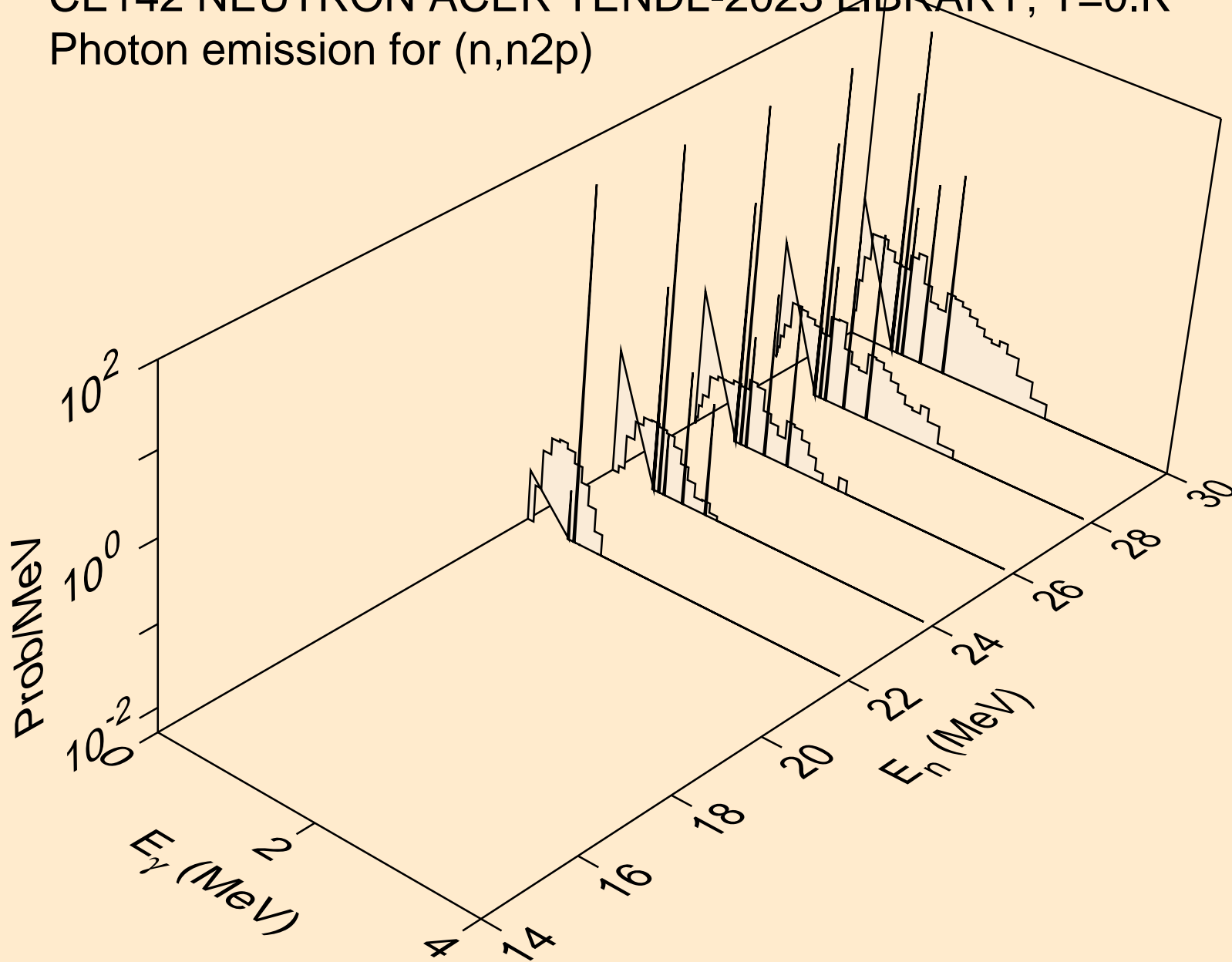
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



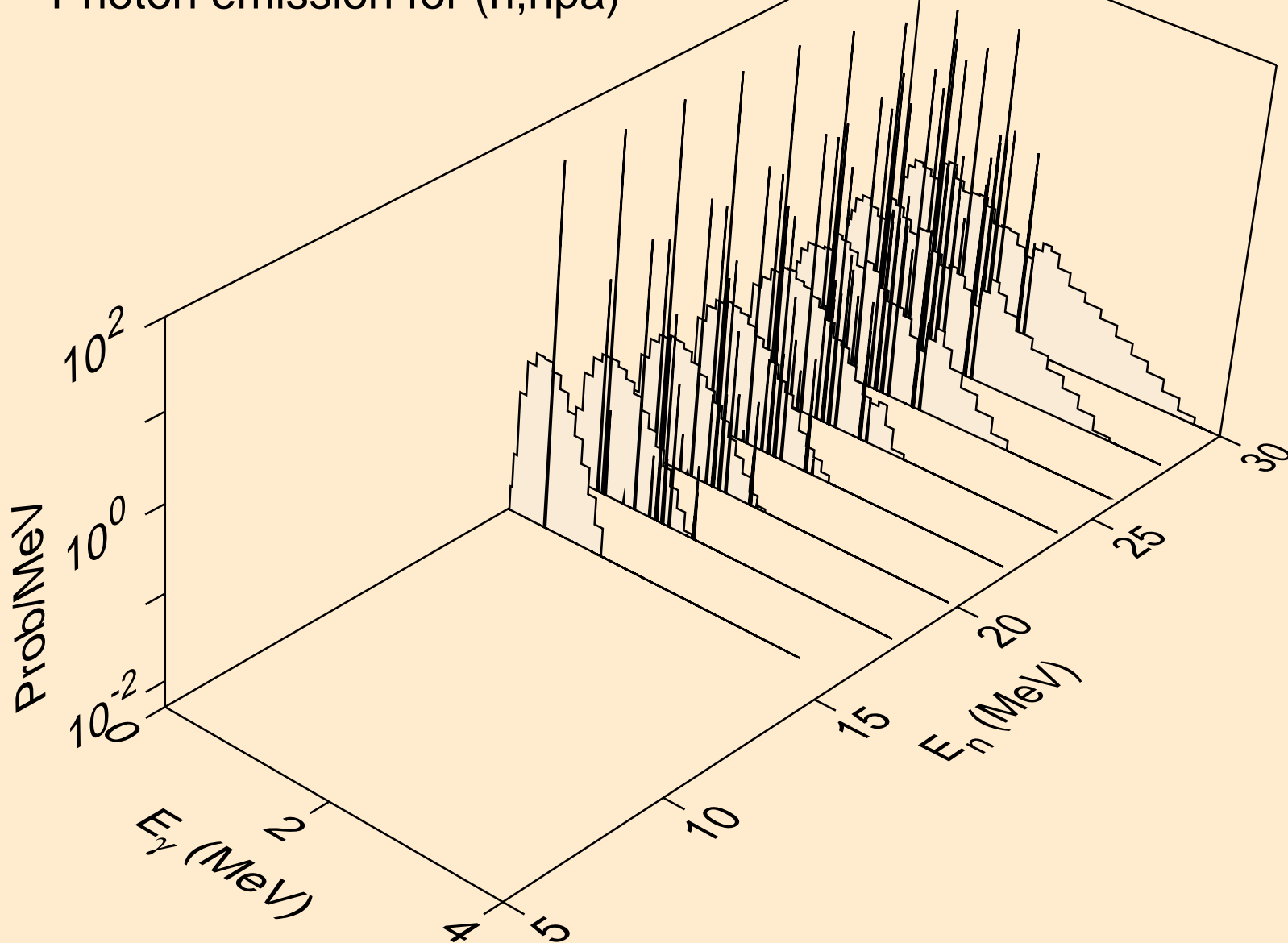
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Photon emission for (n,3np)



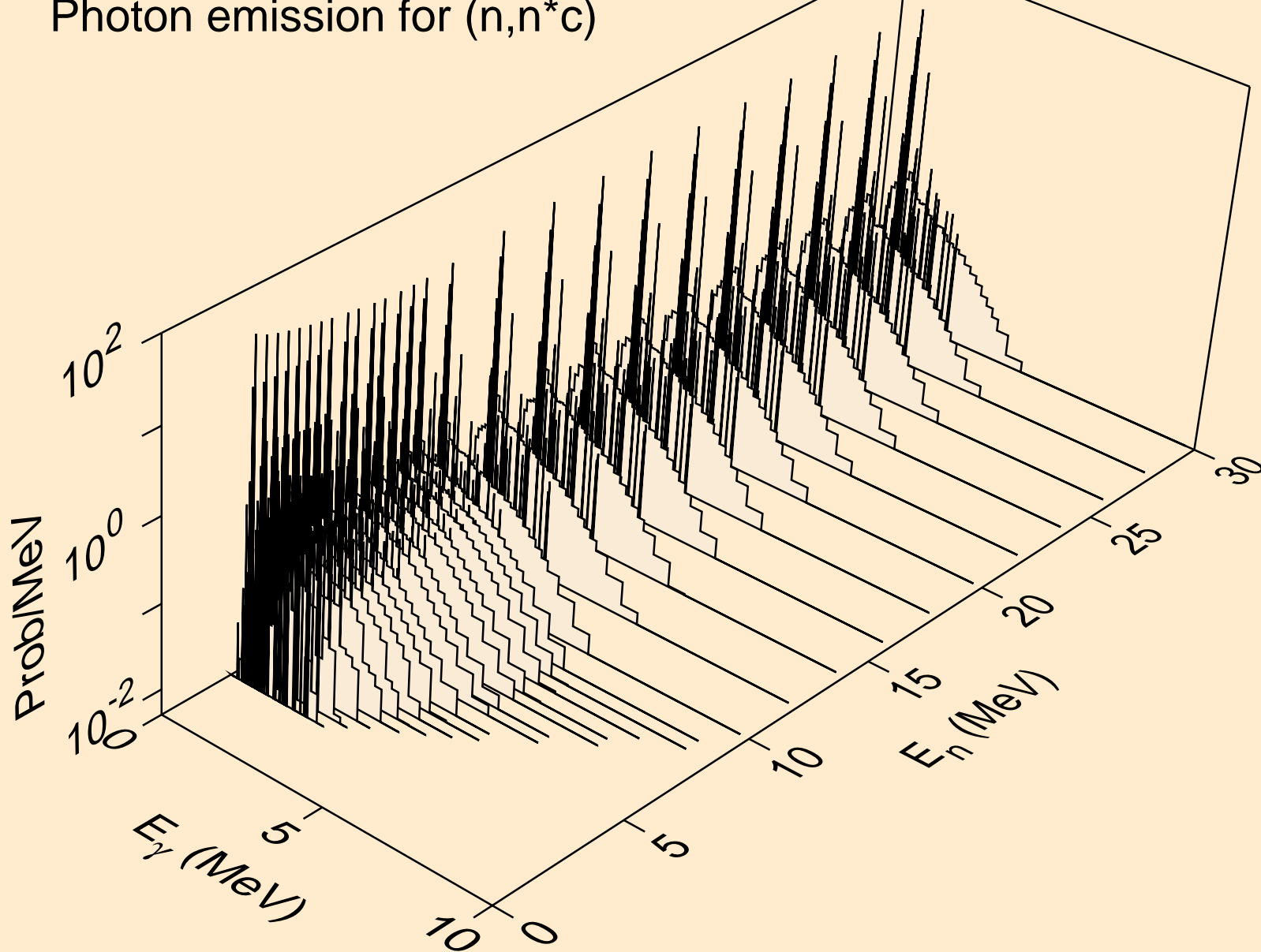
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Photon emission for (n,n2p)



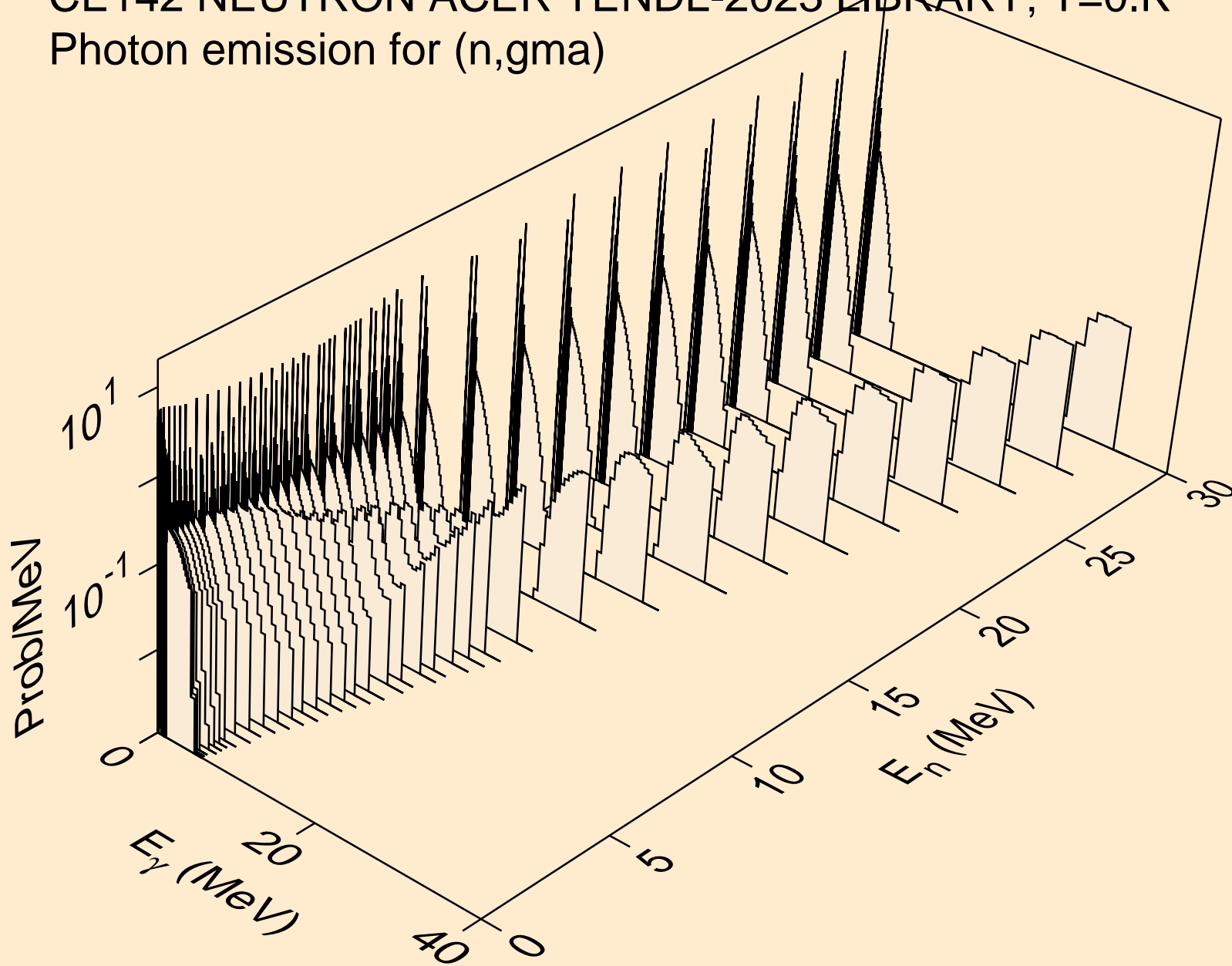
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)

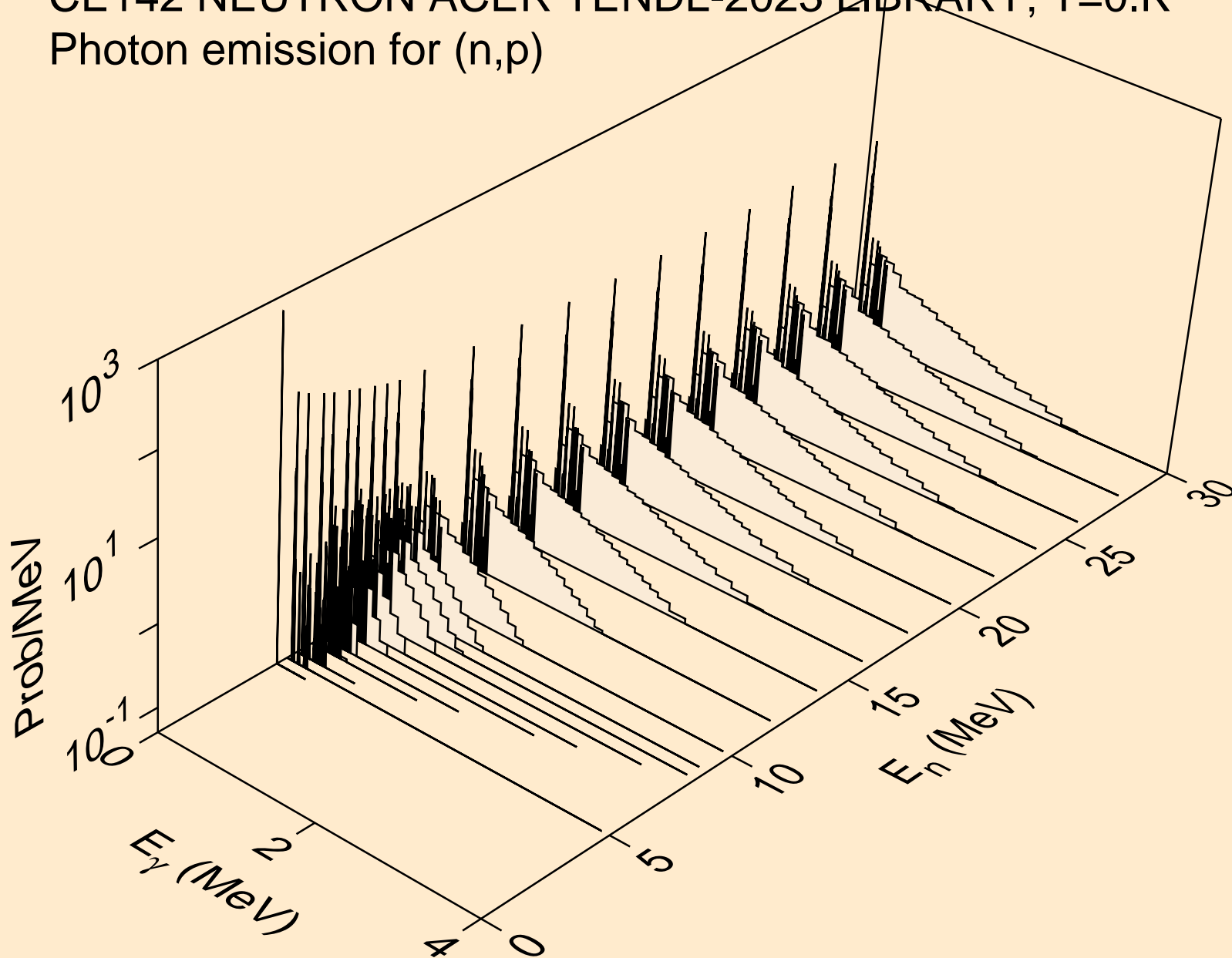


CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)

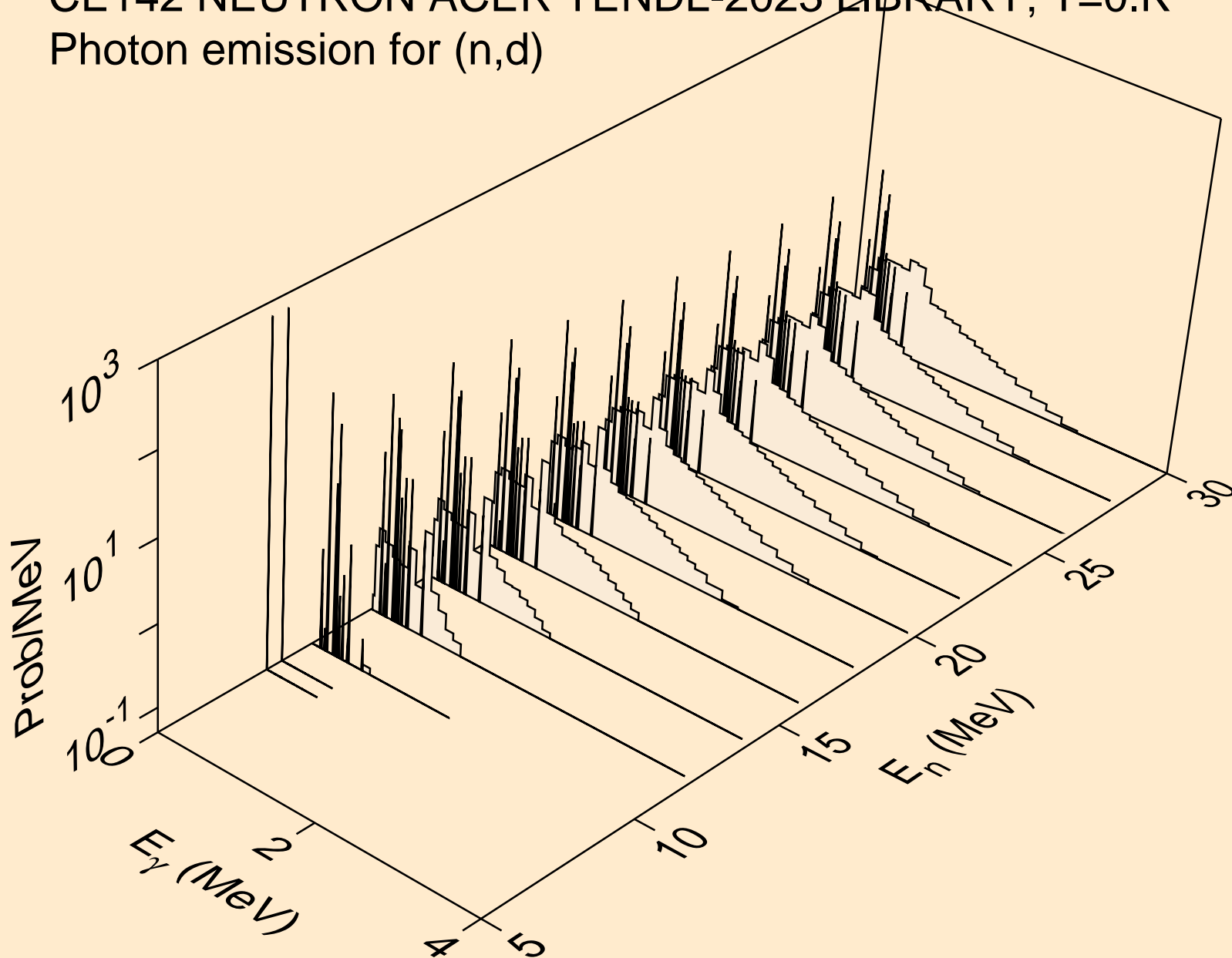




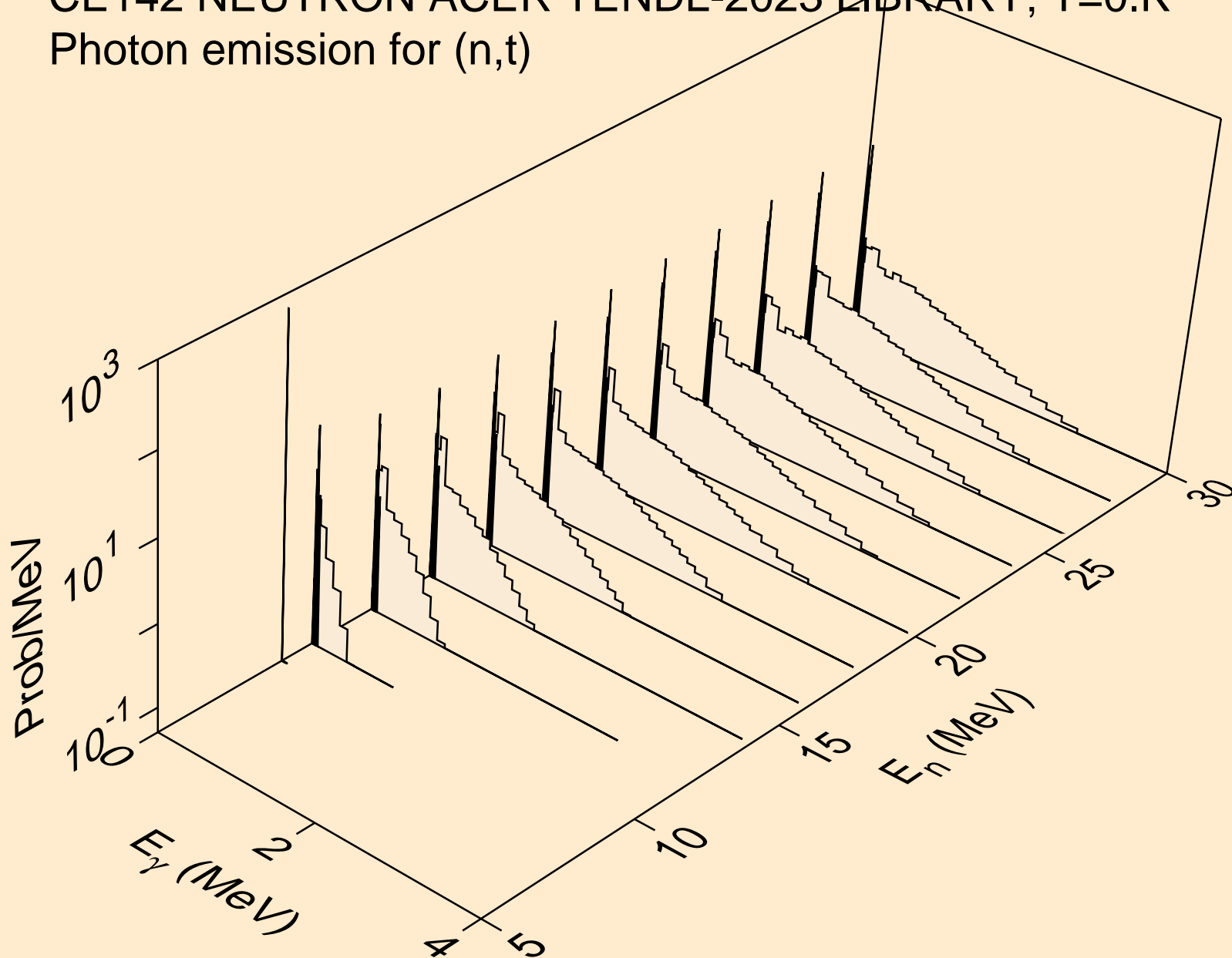
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



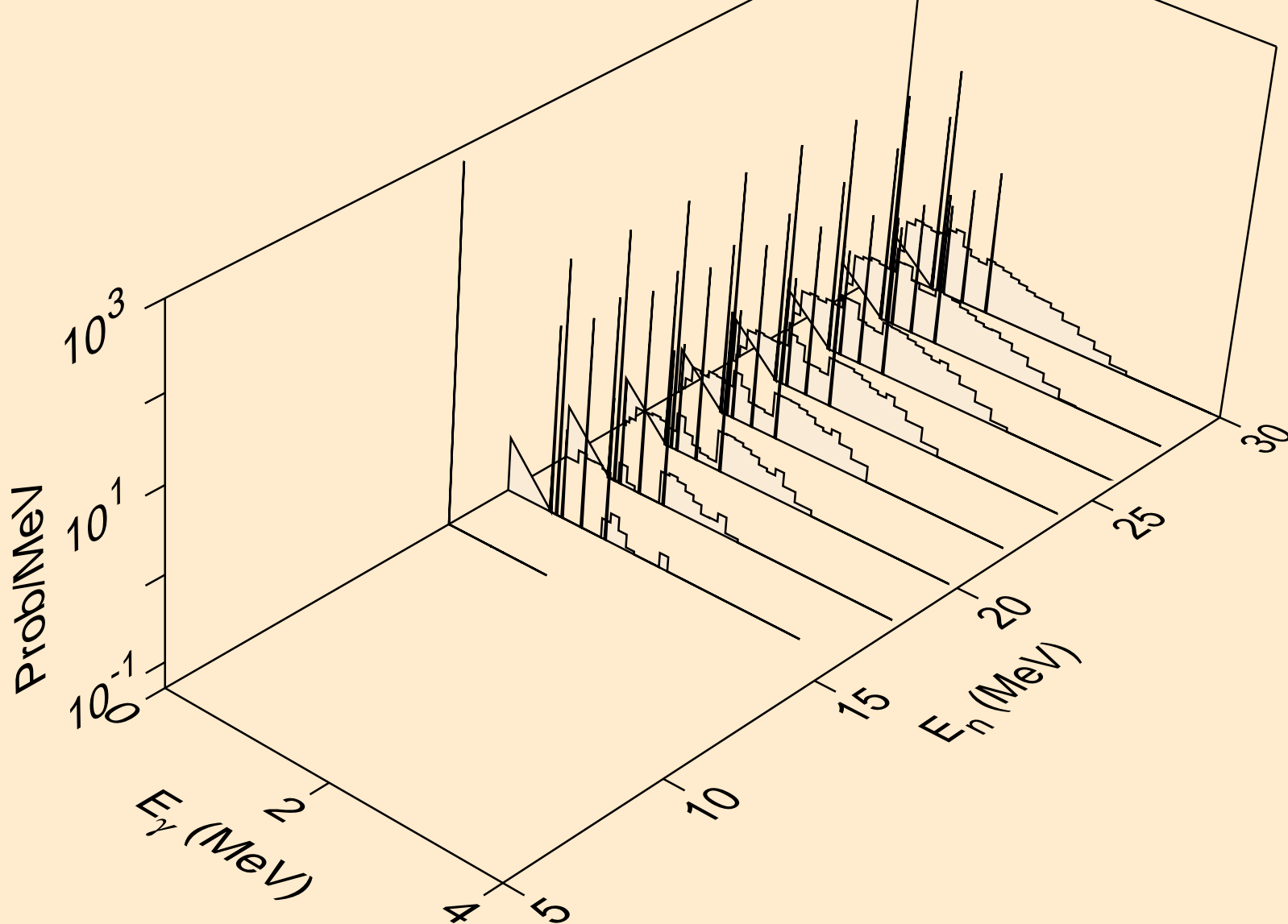
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



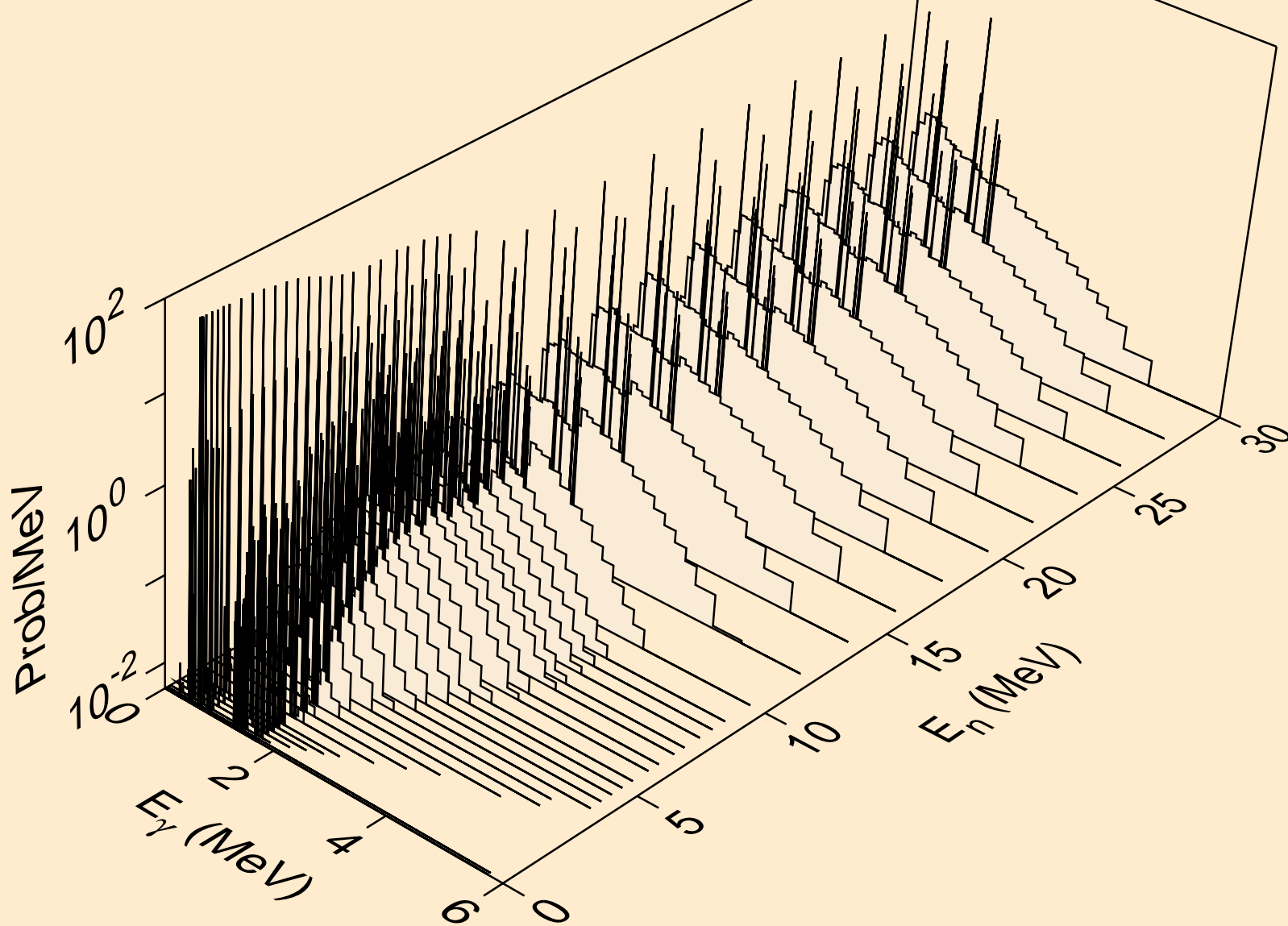
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Photon emission for (n,t)



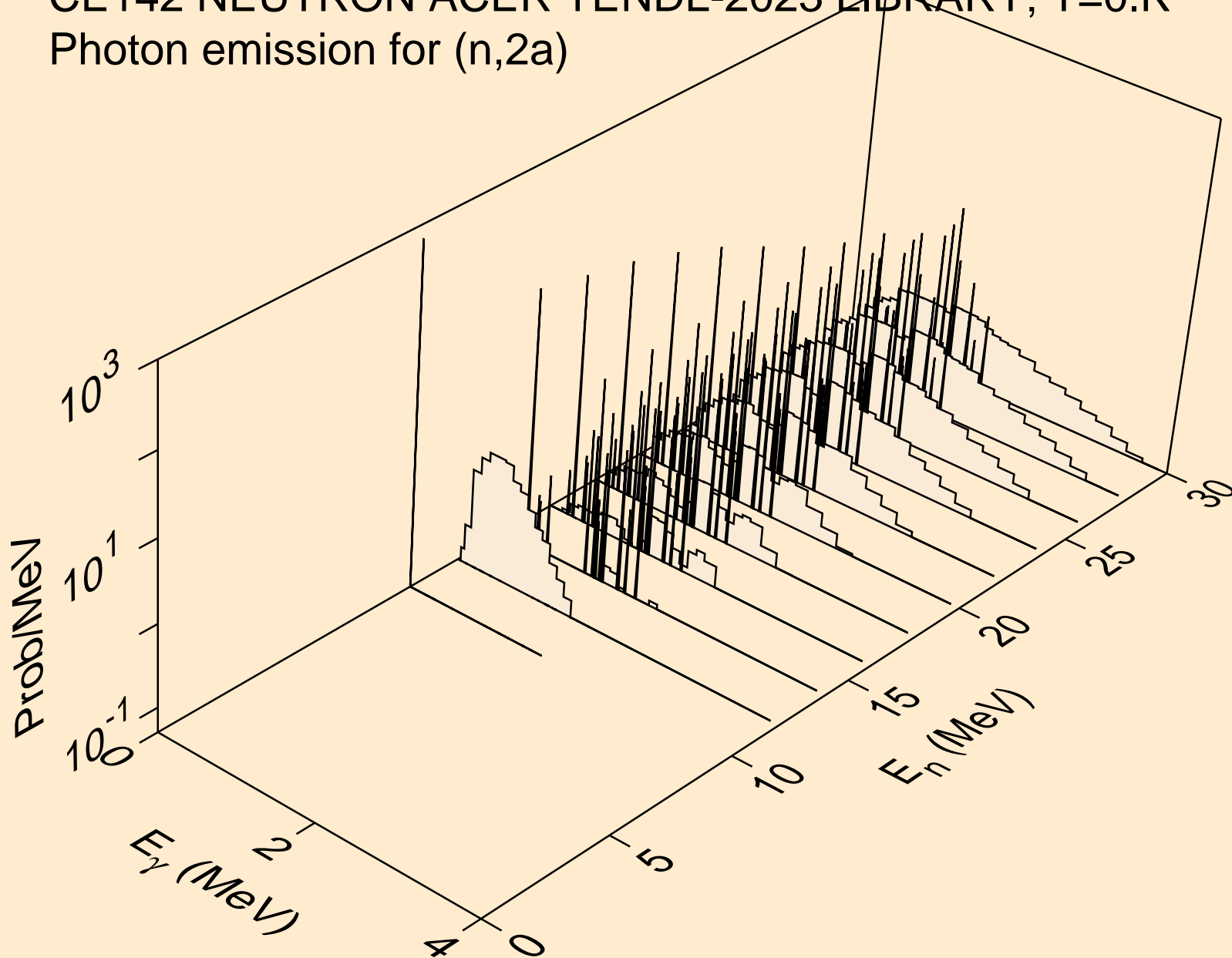
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Photon emission for (n,he3)



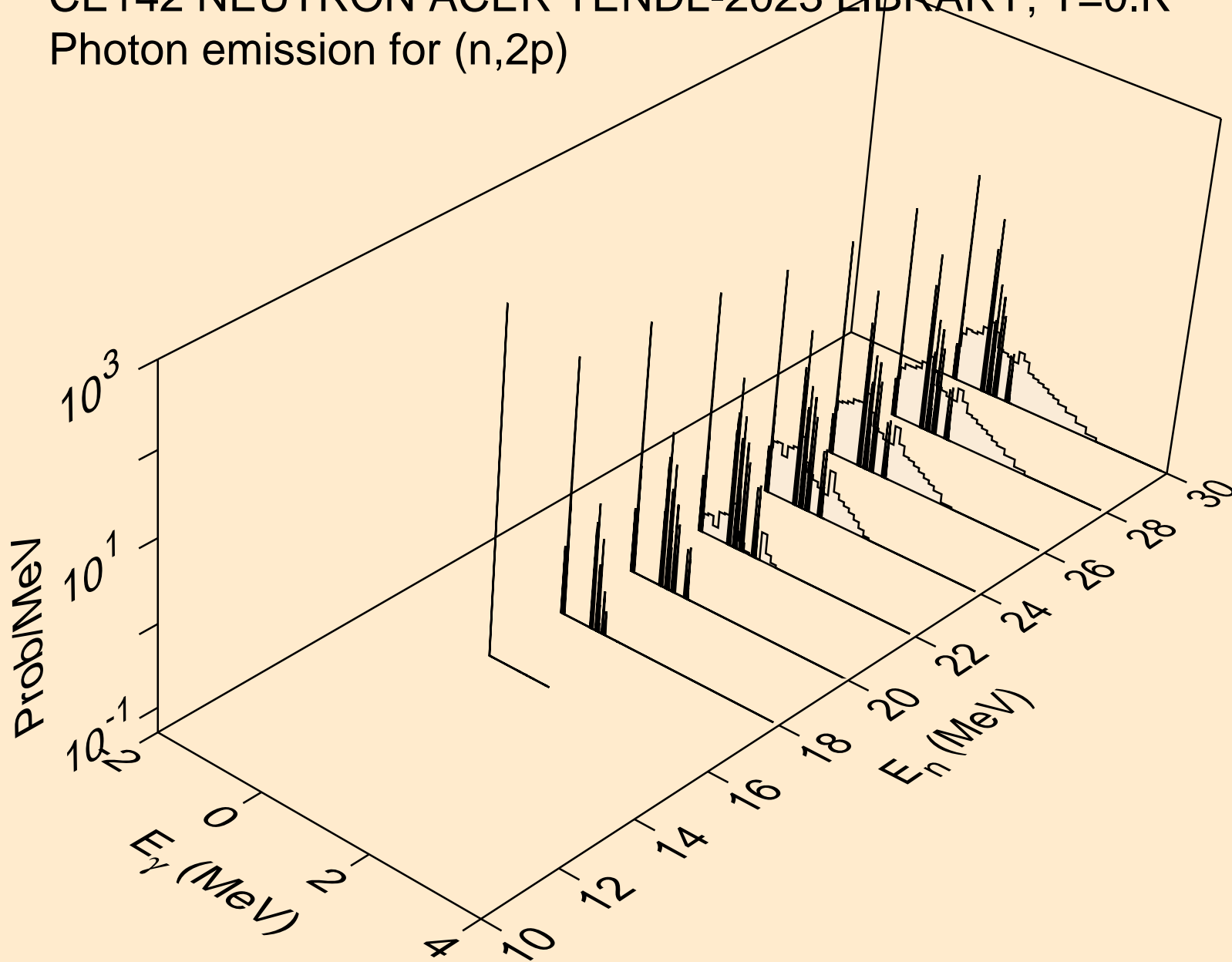
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Photon emission for (n,a)



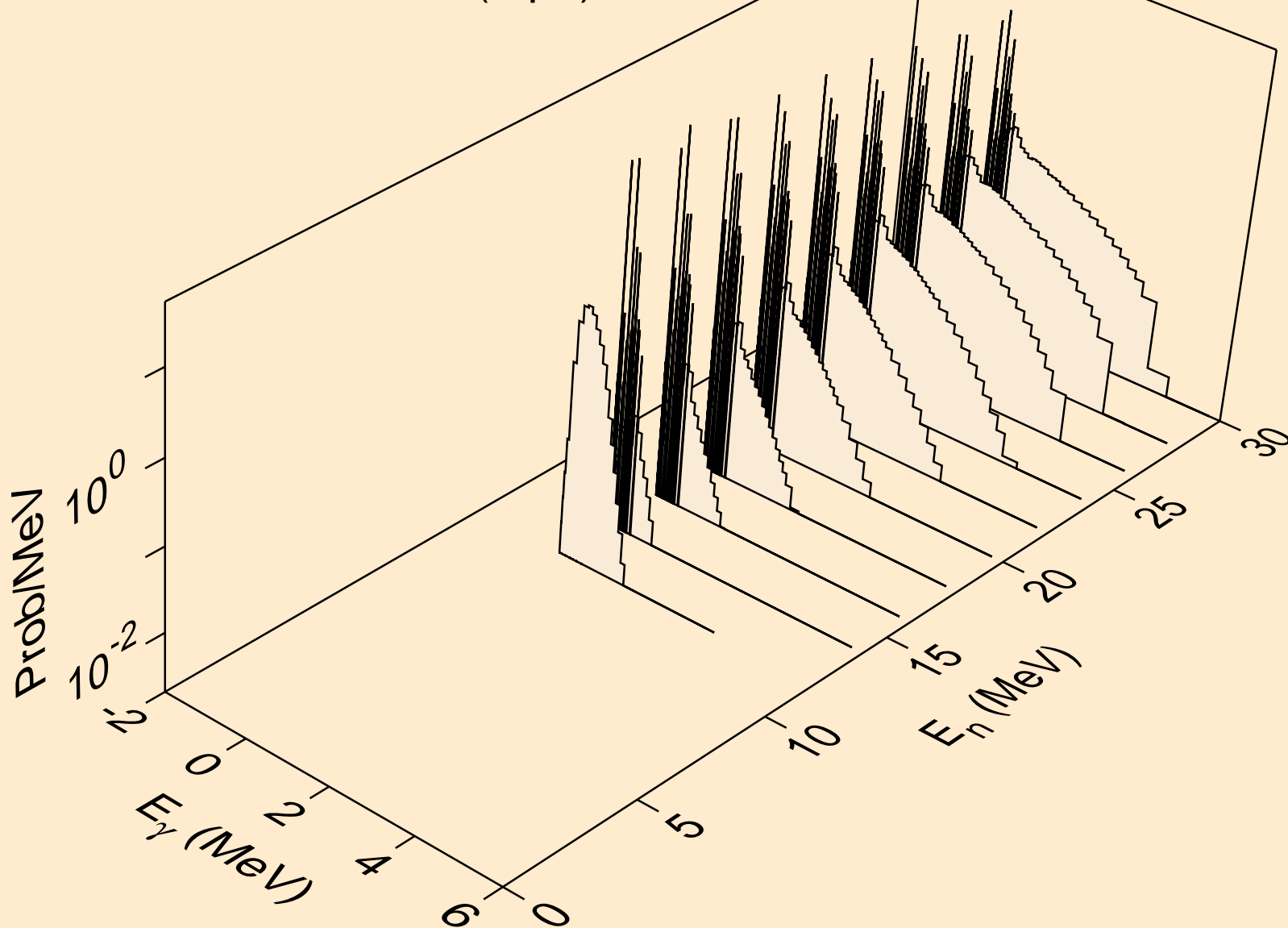
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)

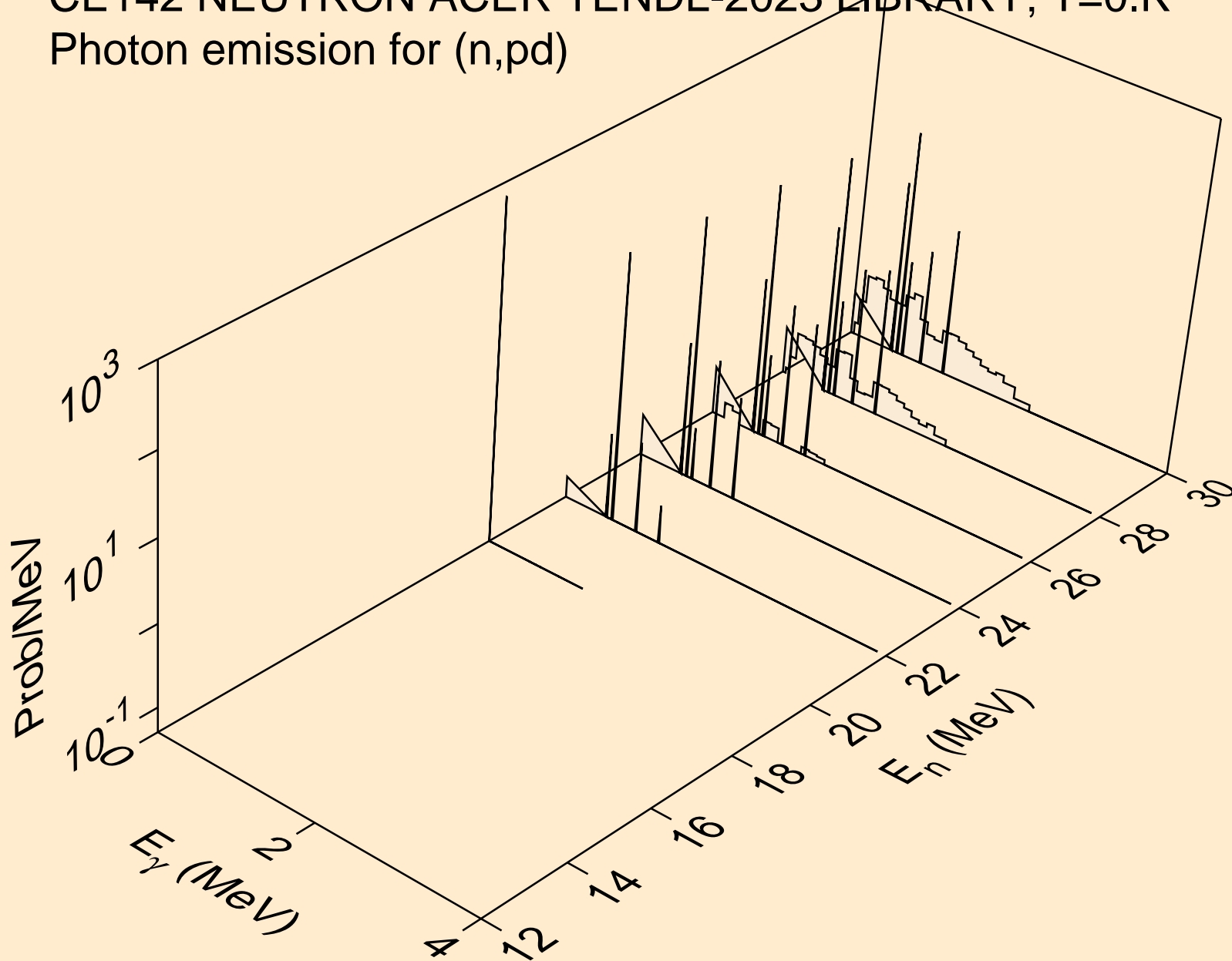


CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)

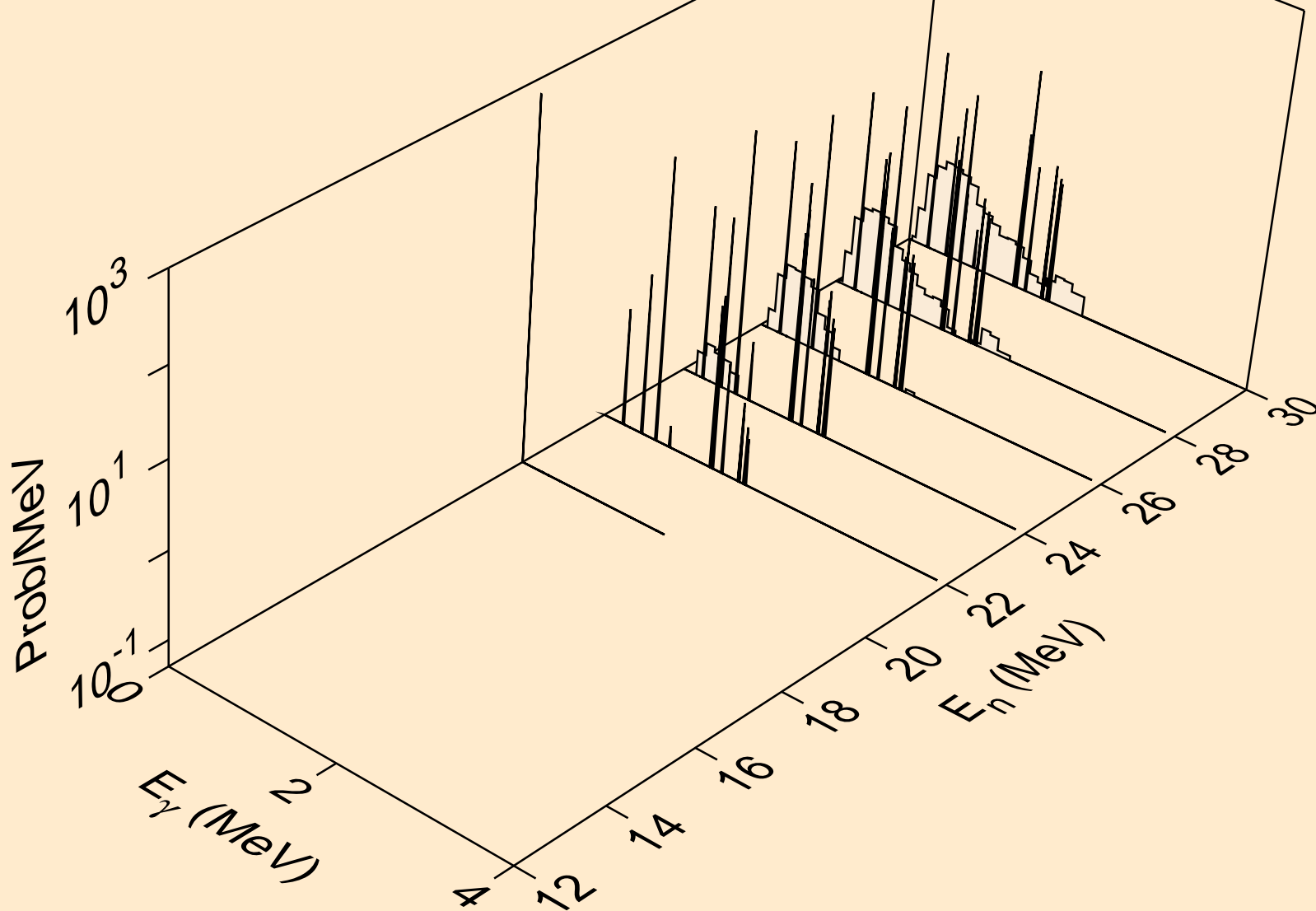




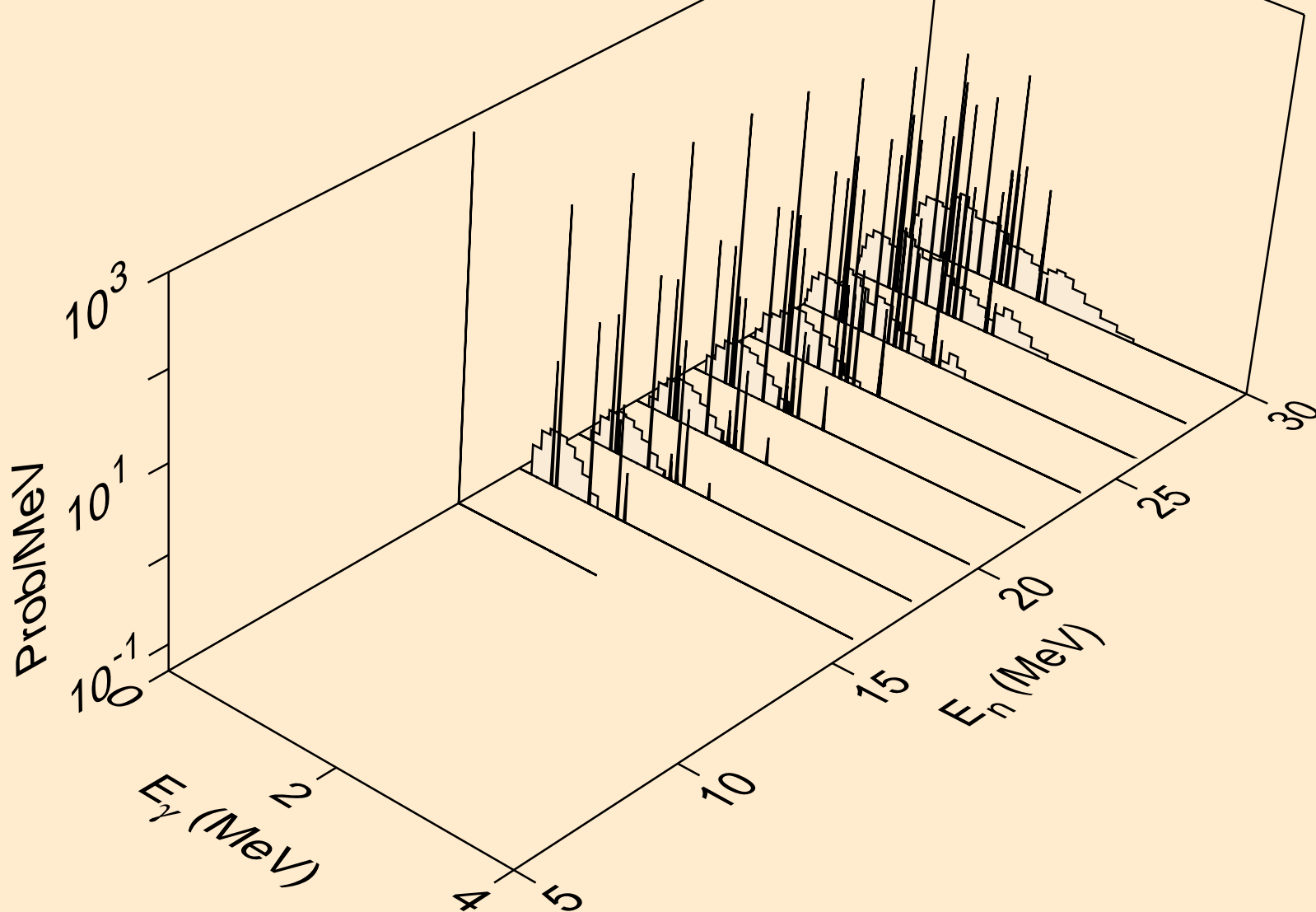
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



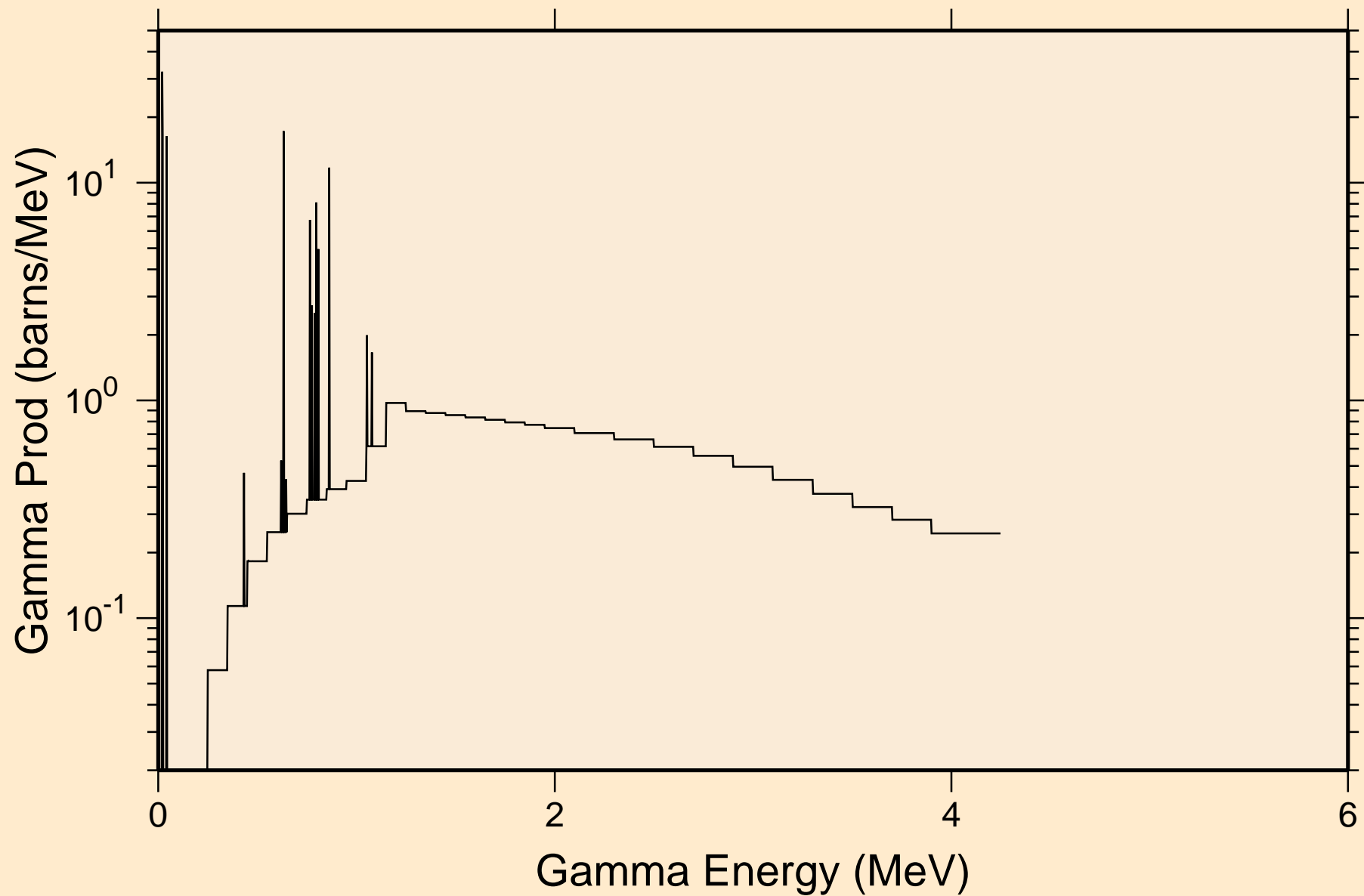
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



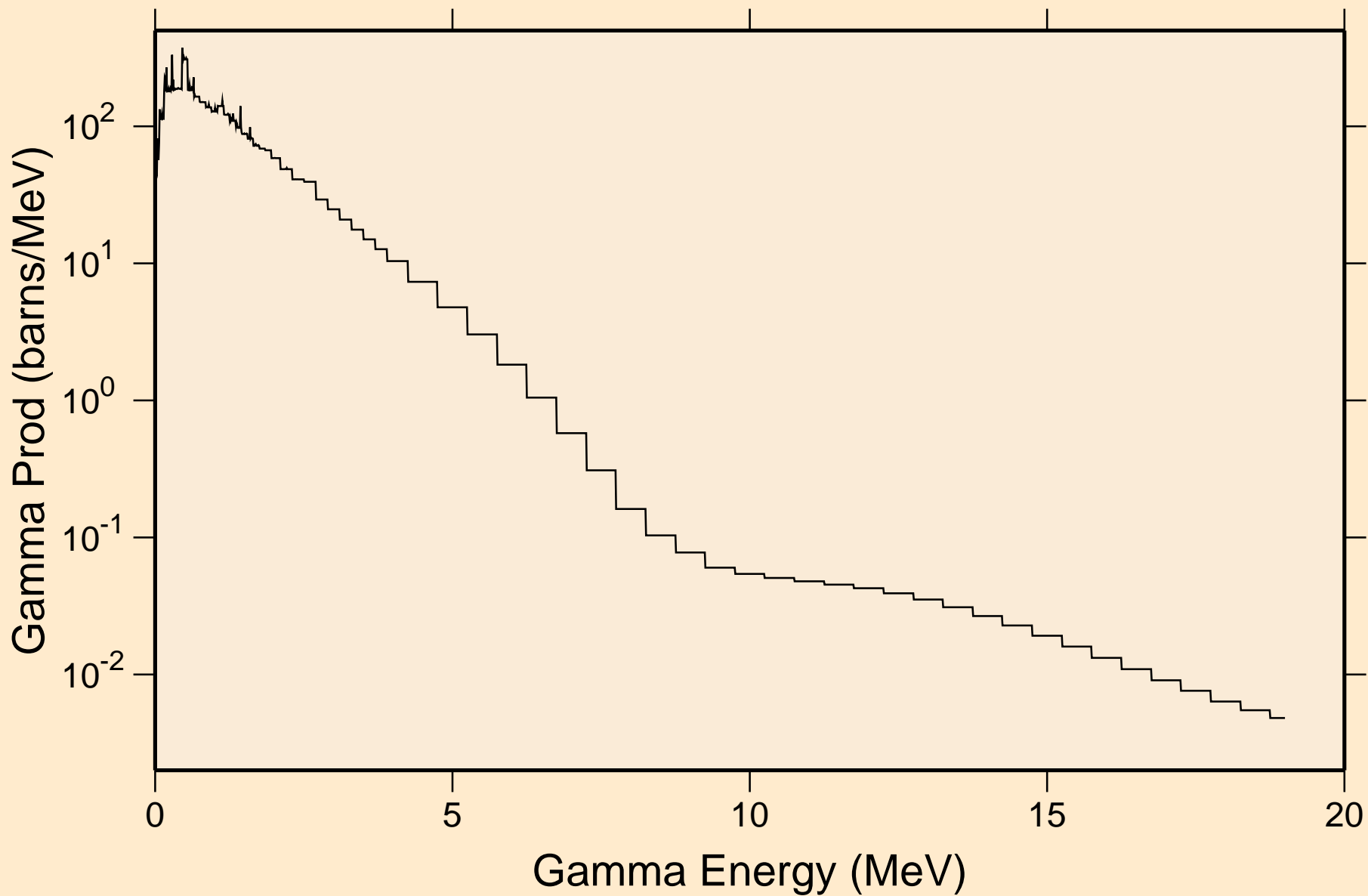
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

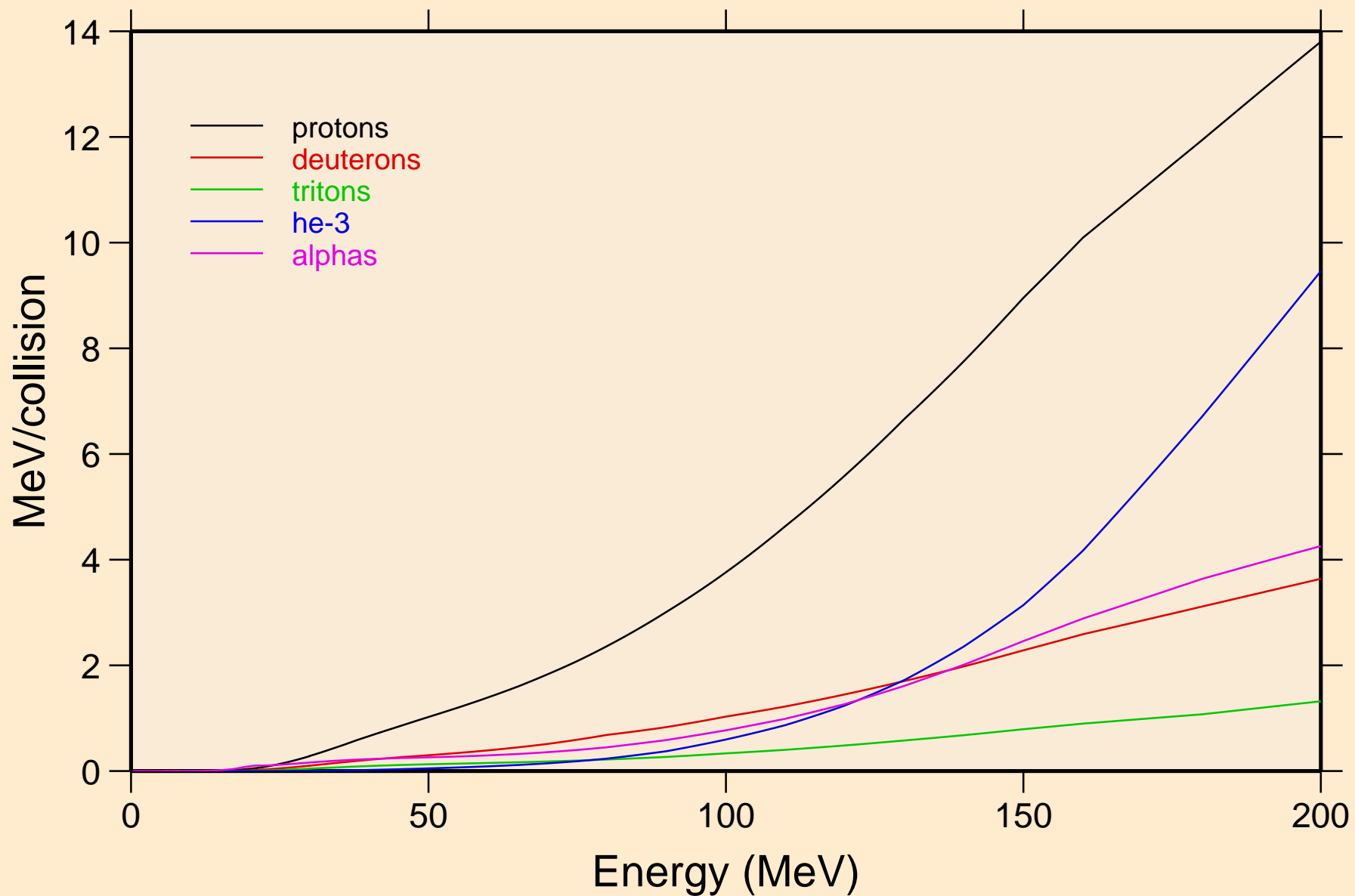


CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

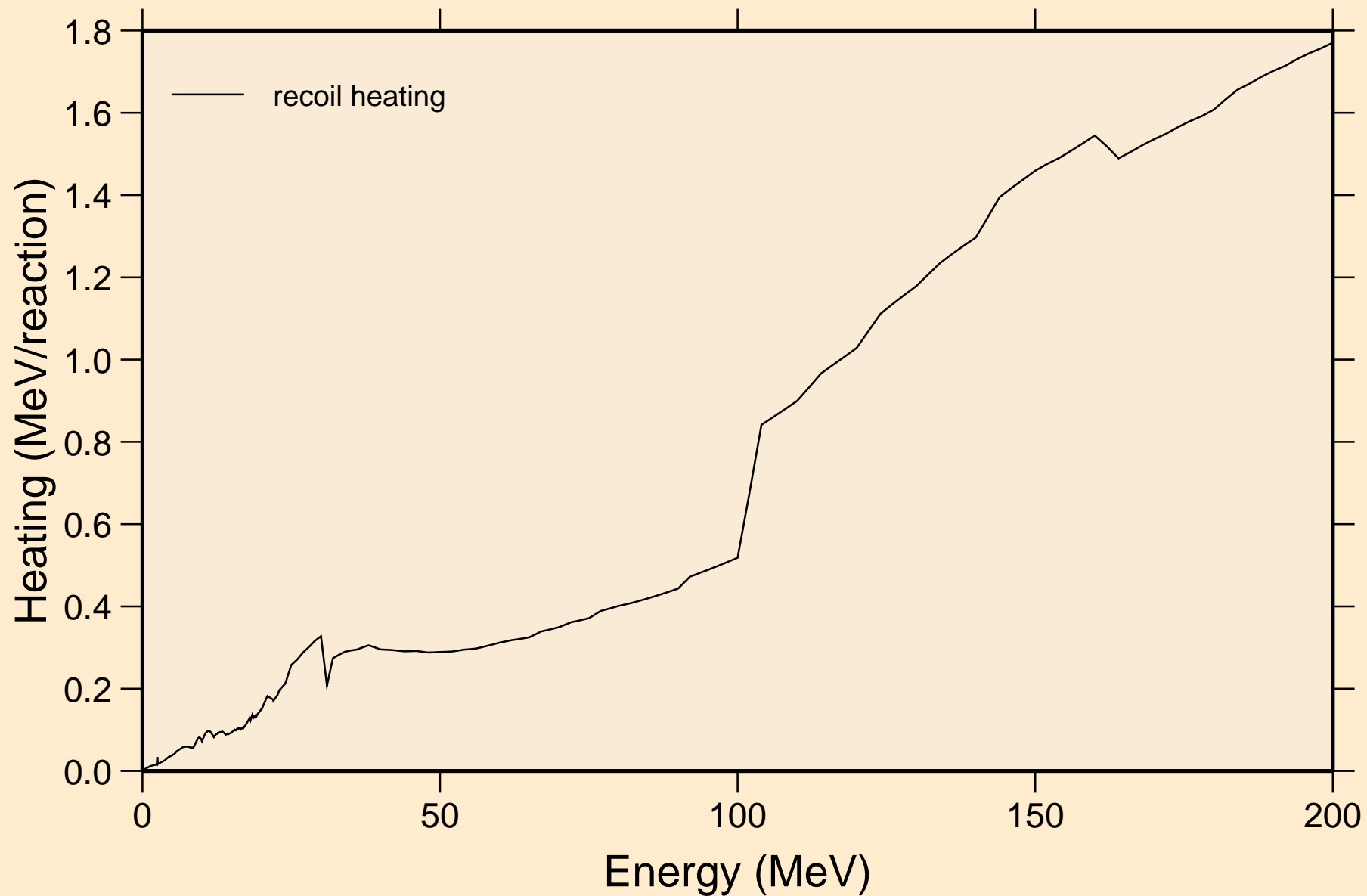


# CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

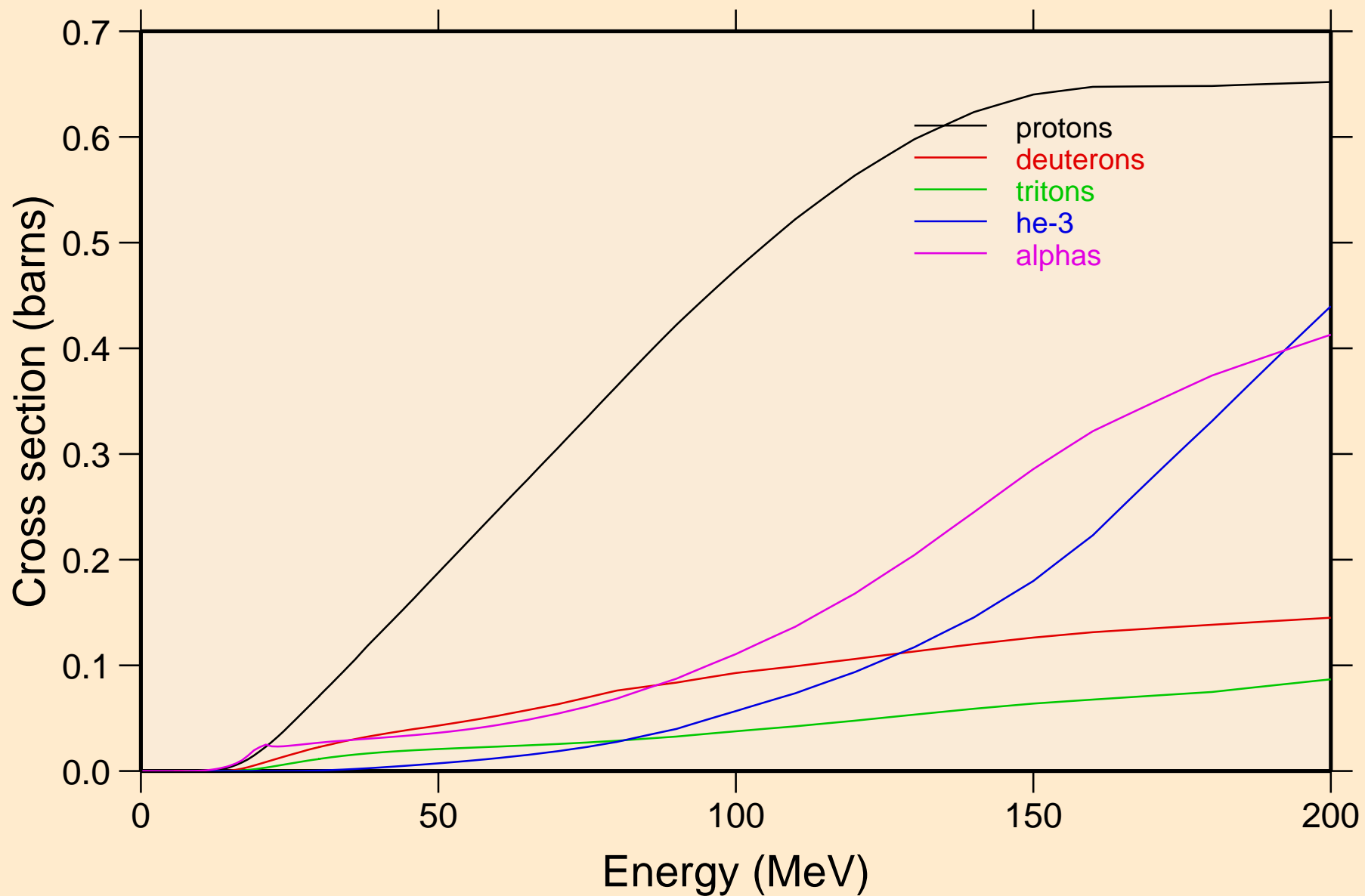


CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



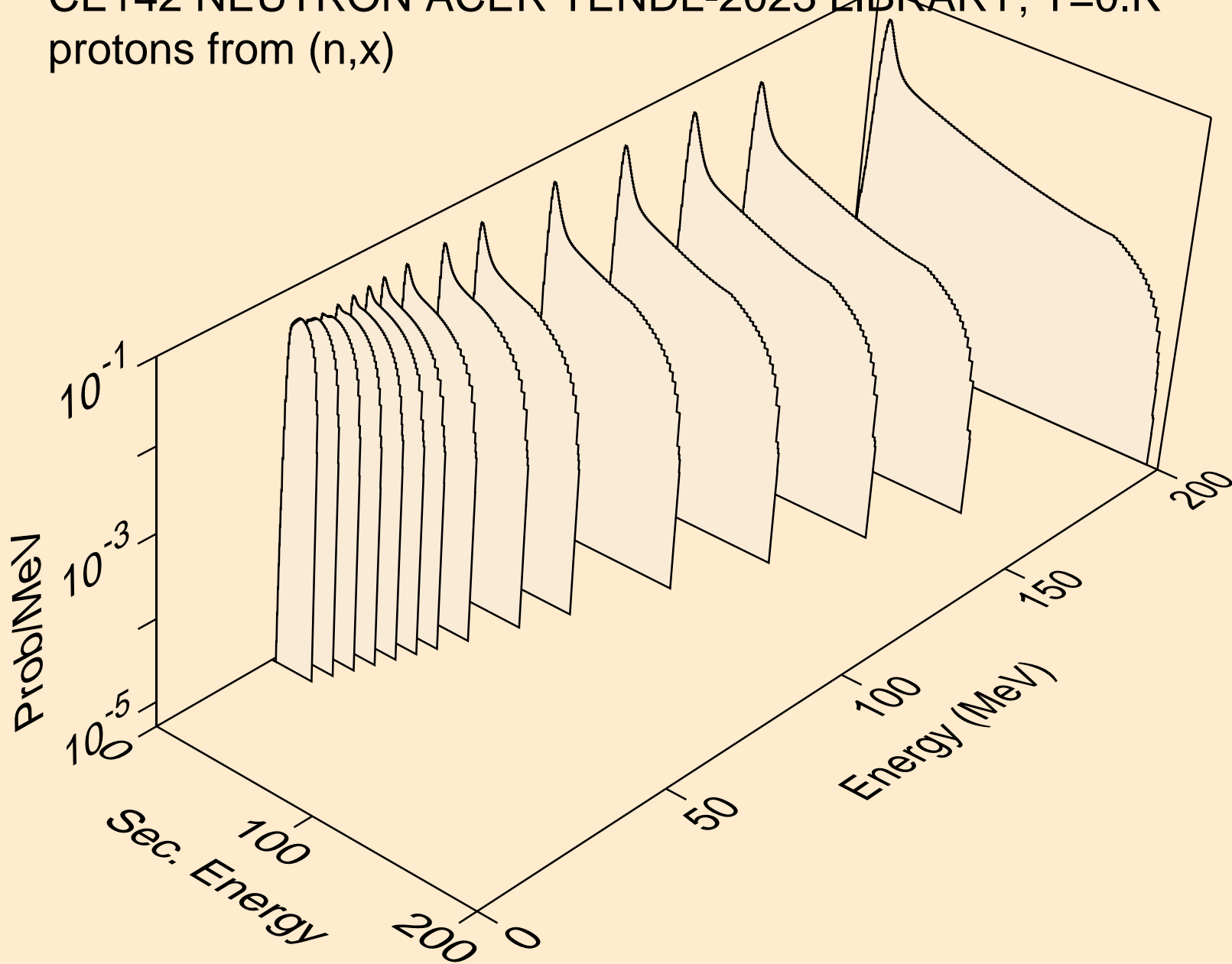
# CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle production cross sections

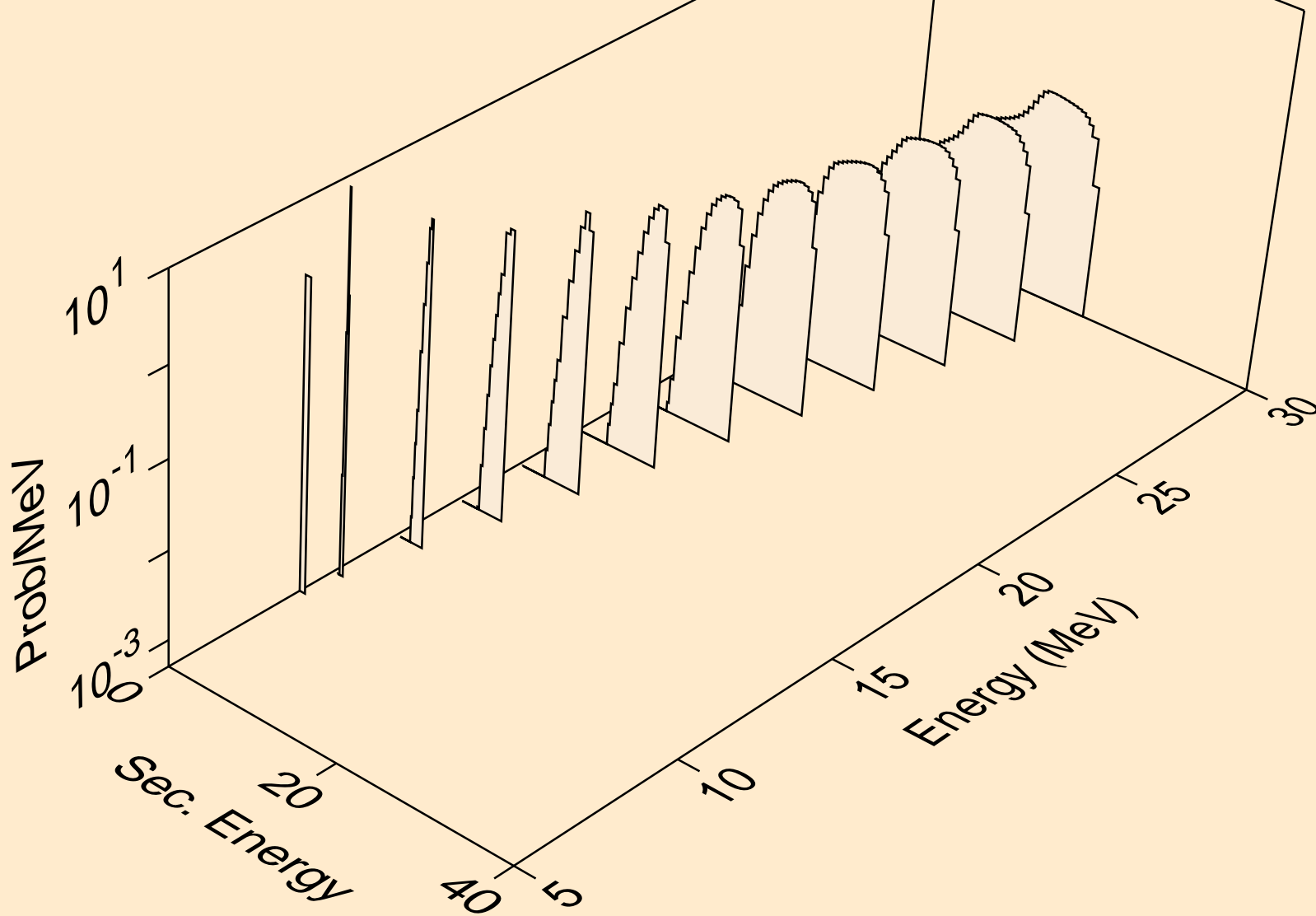




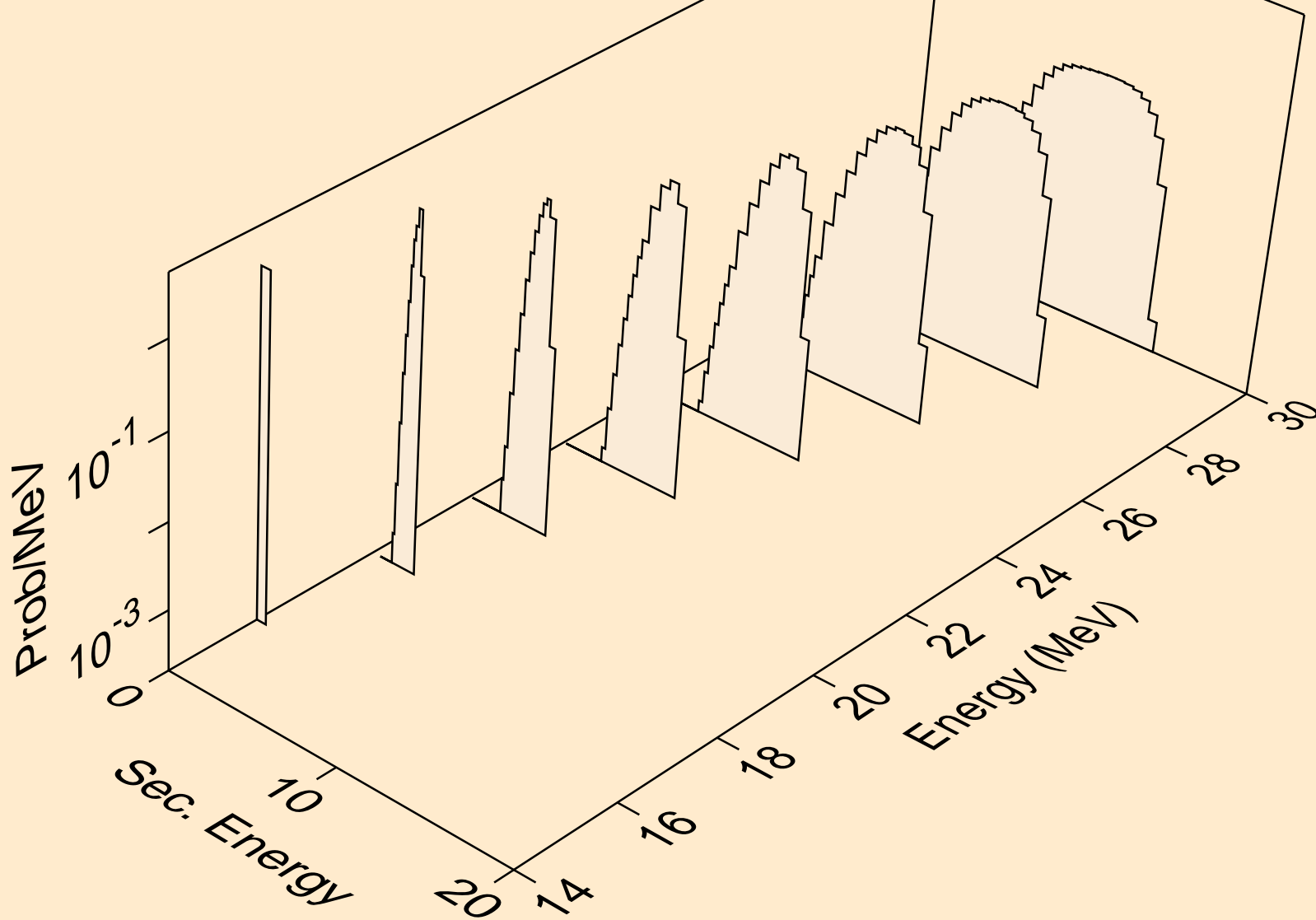
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



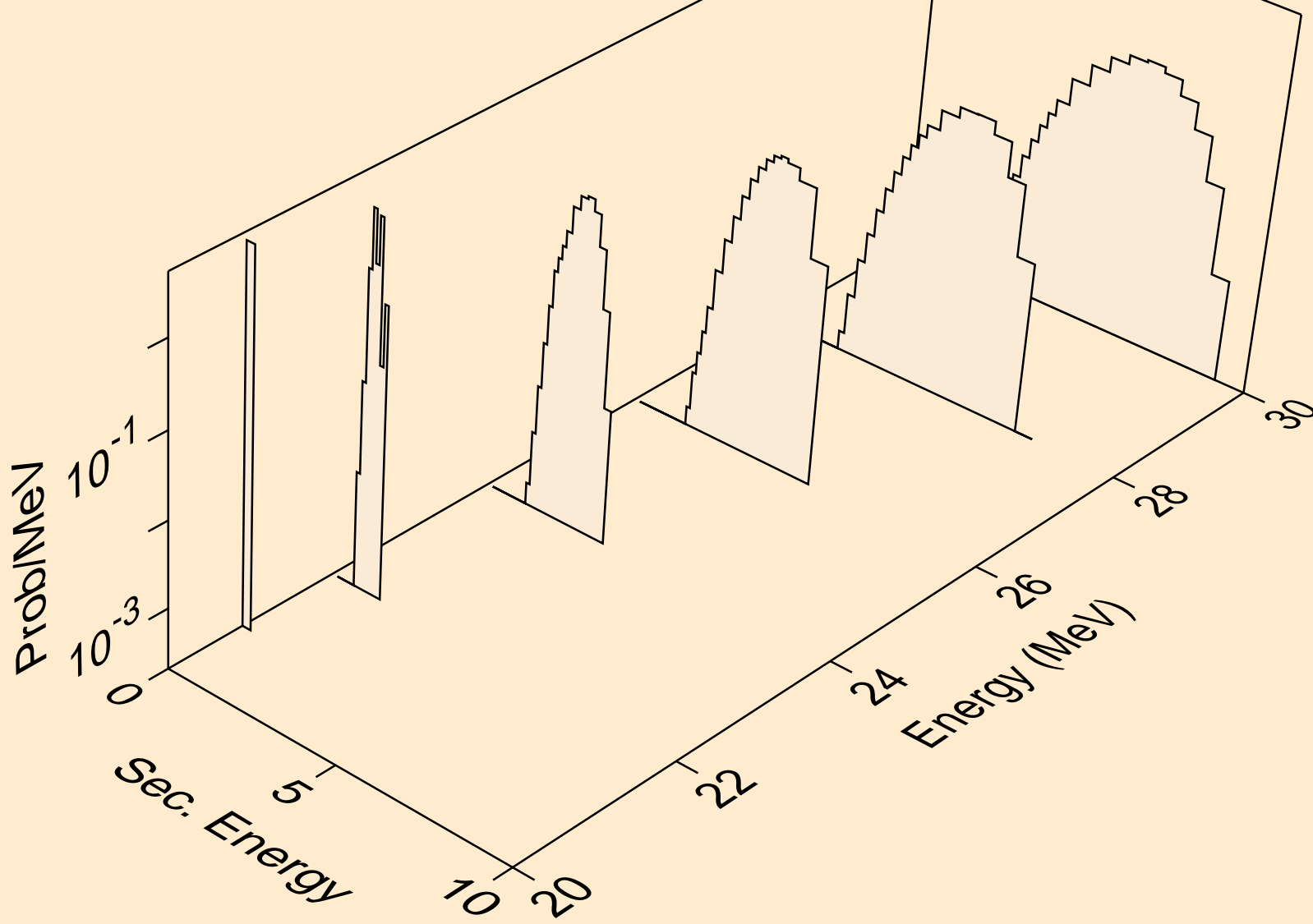
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



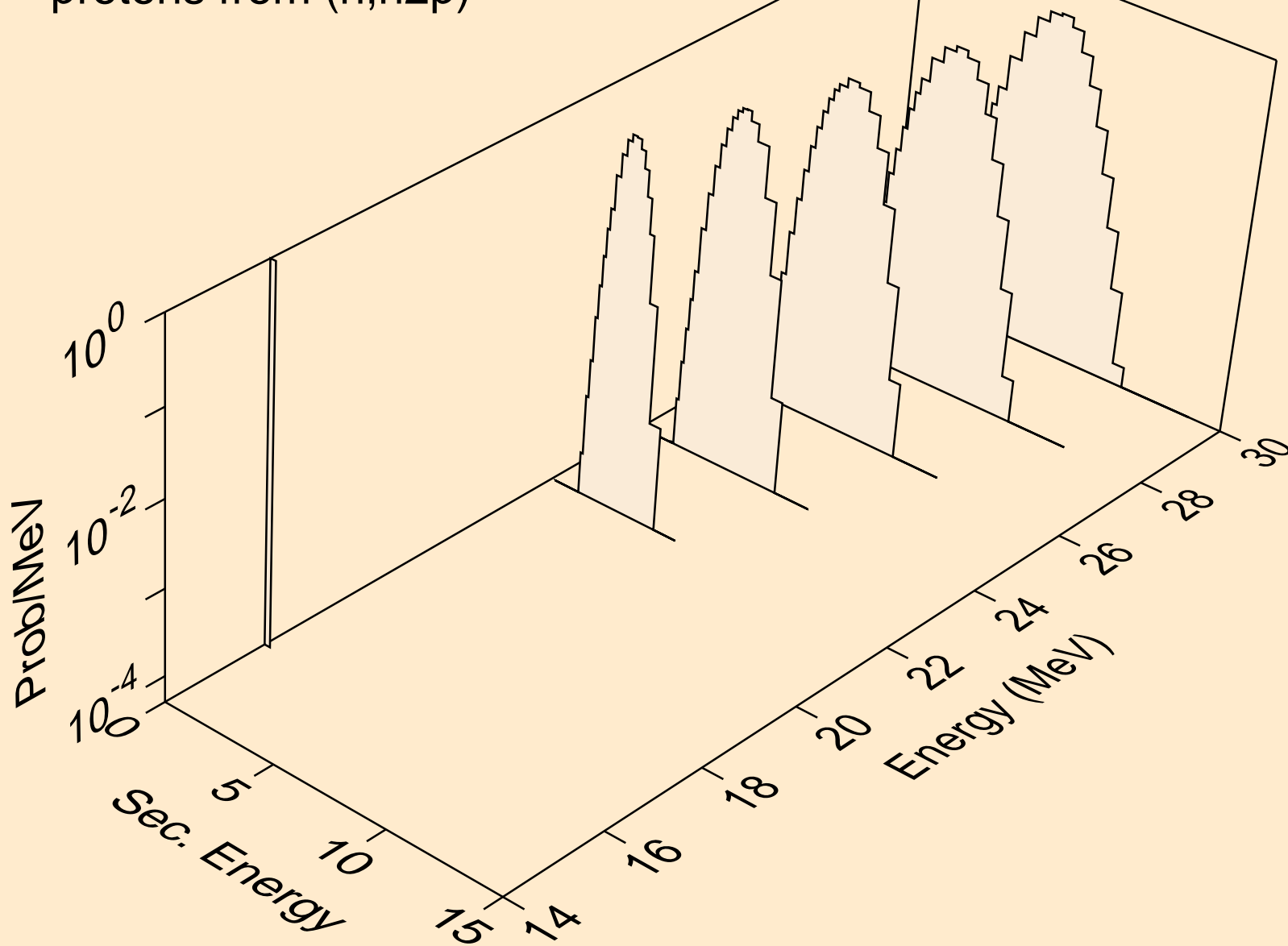
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protons from (n,2np)



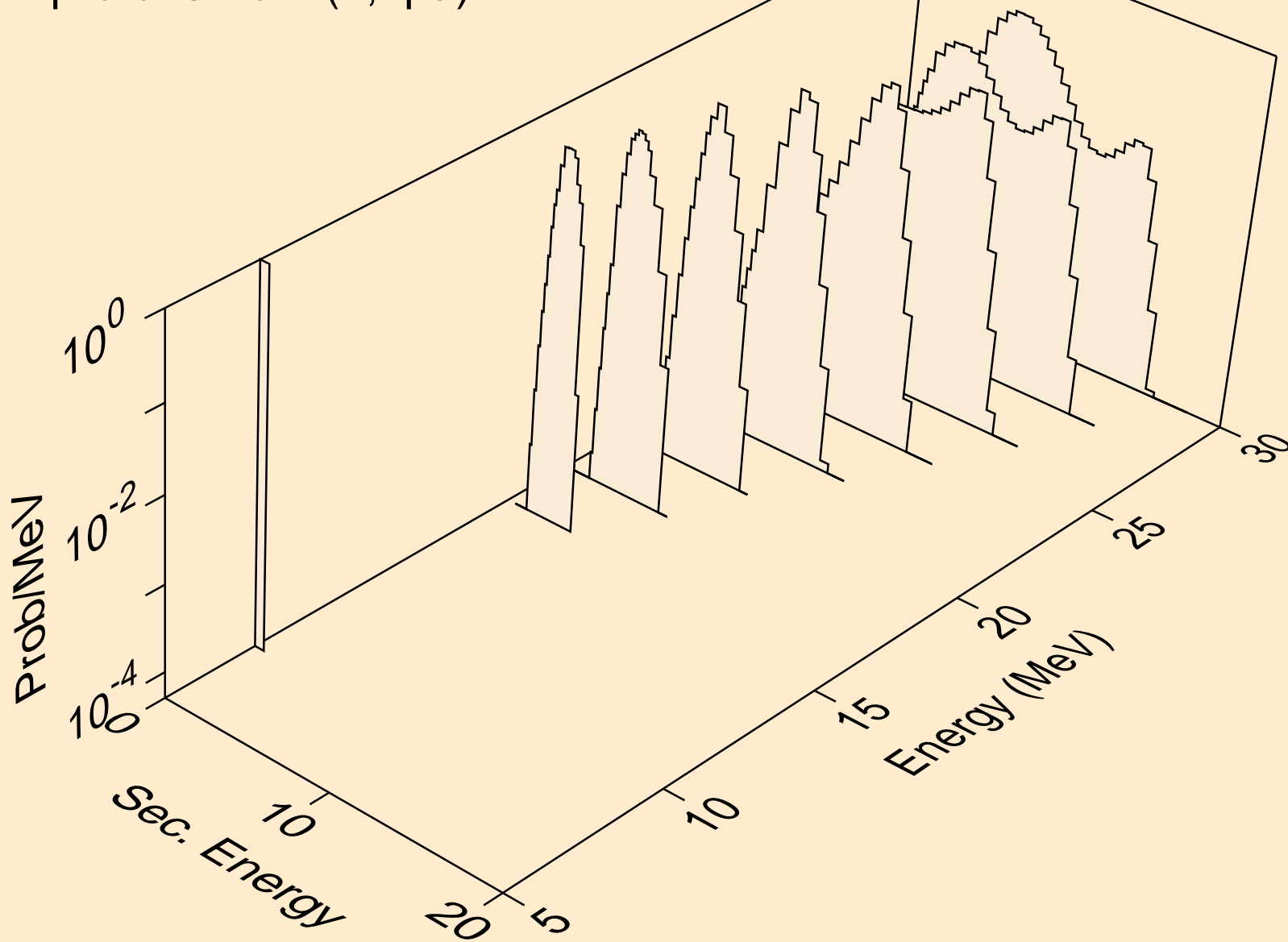
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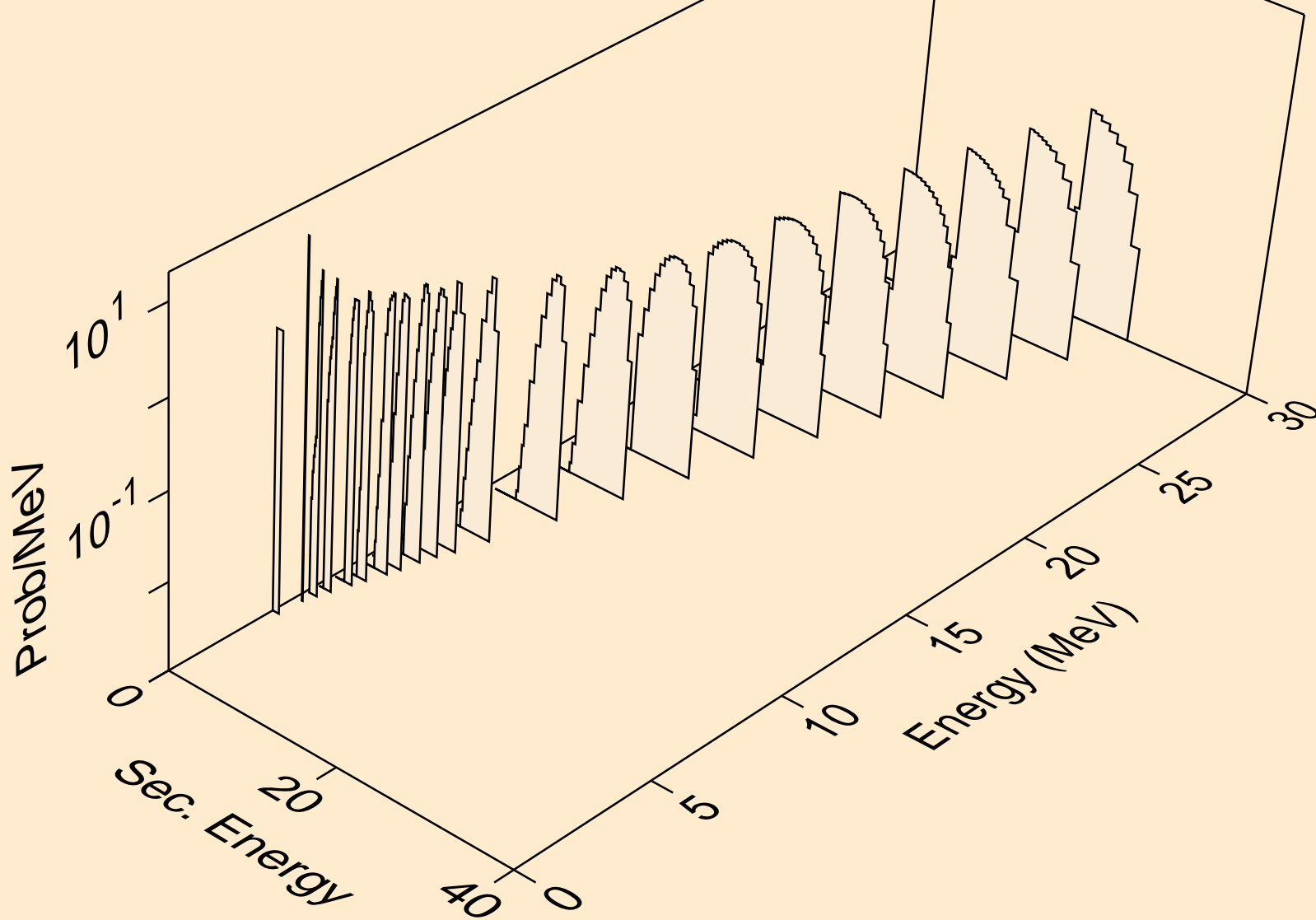
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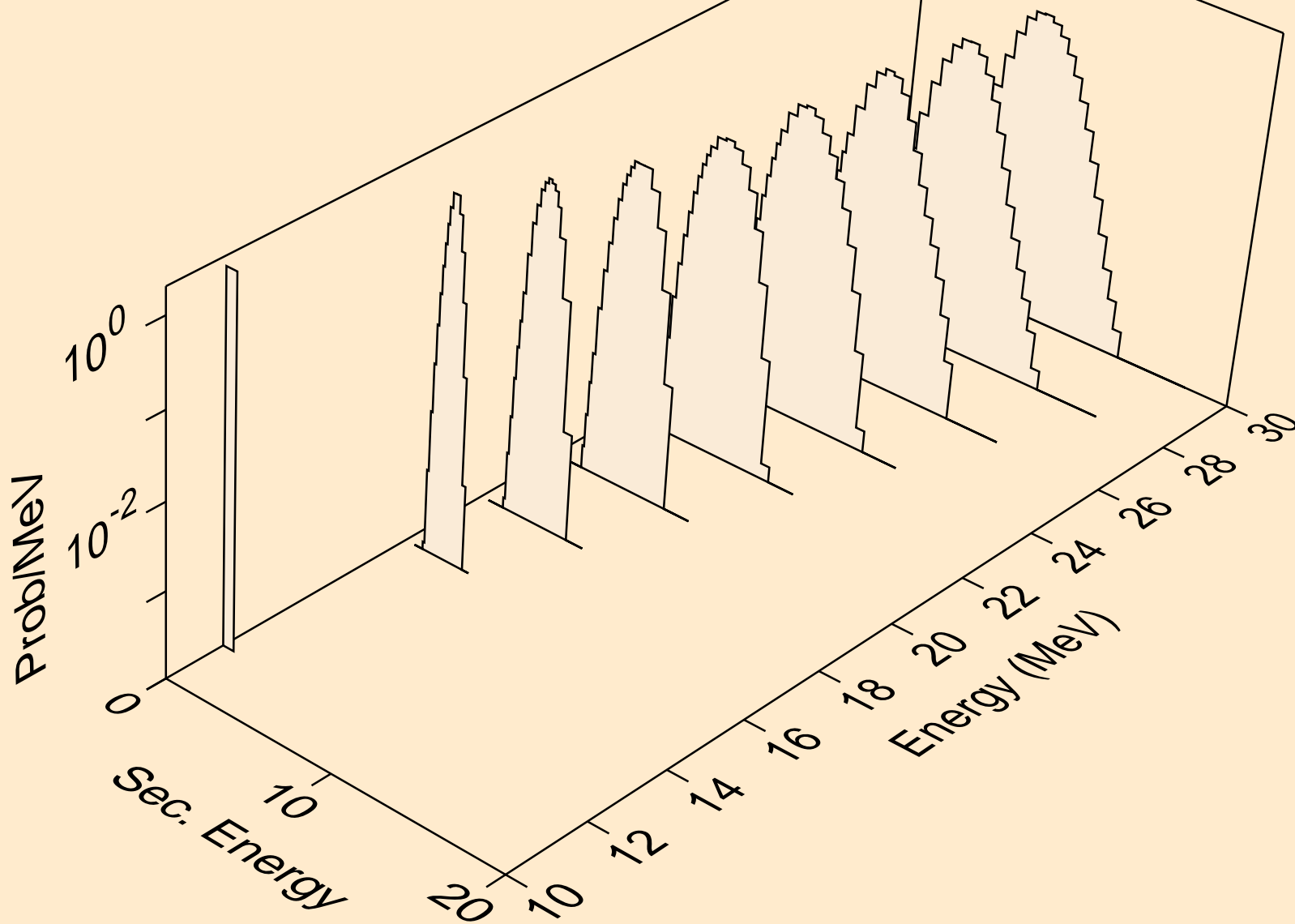
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protons from (n,npa)



CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)

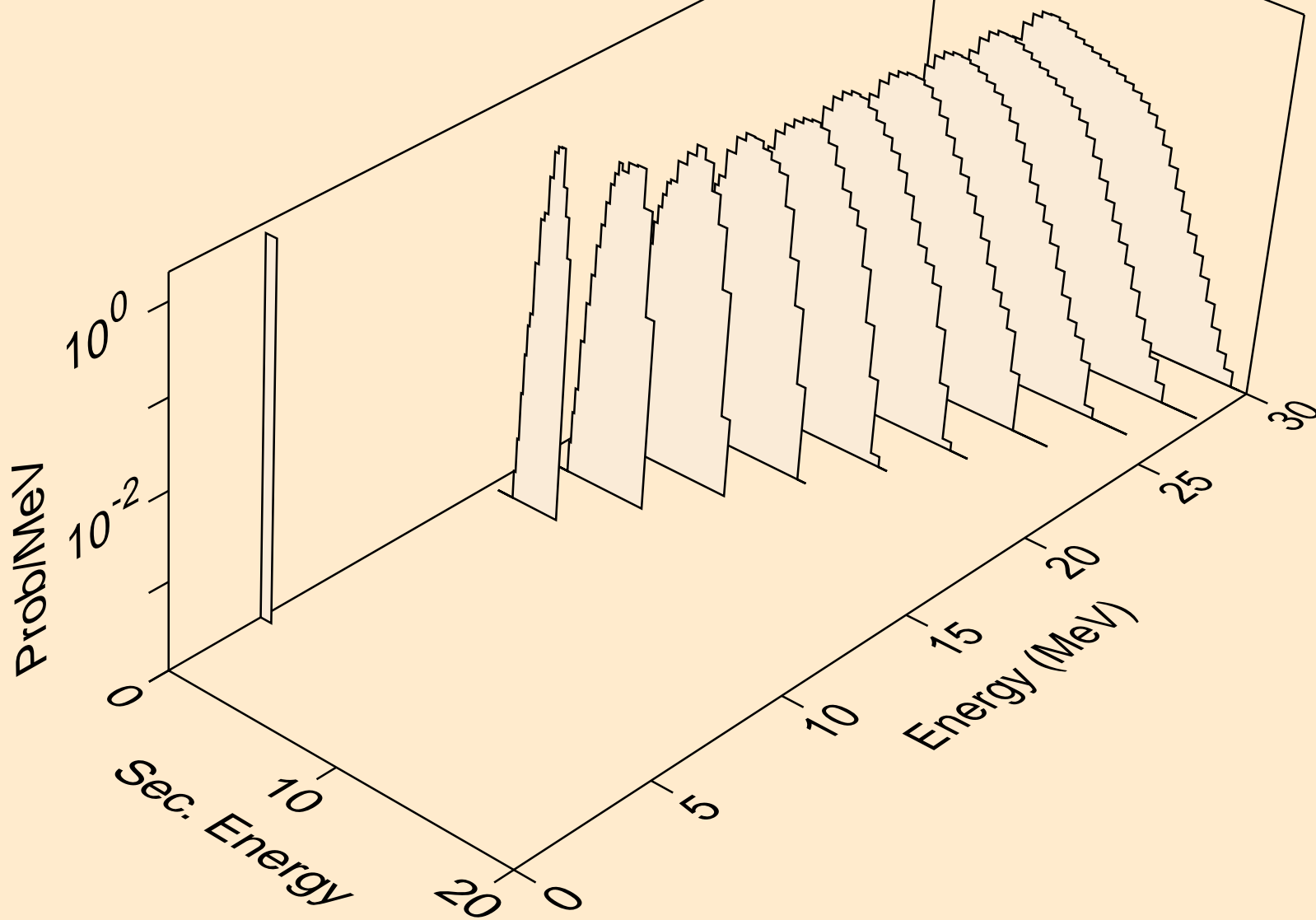


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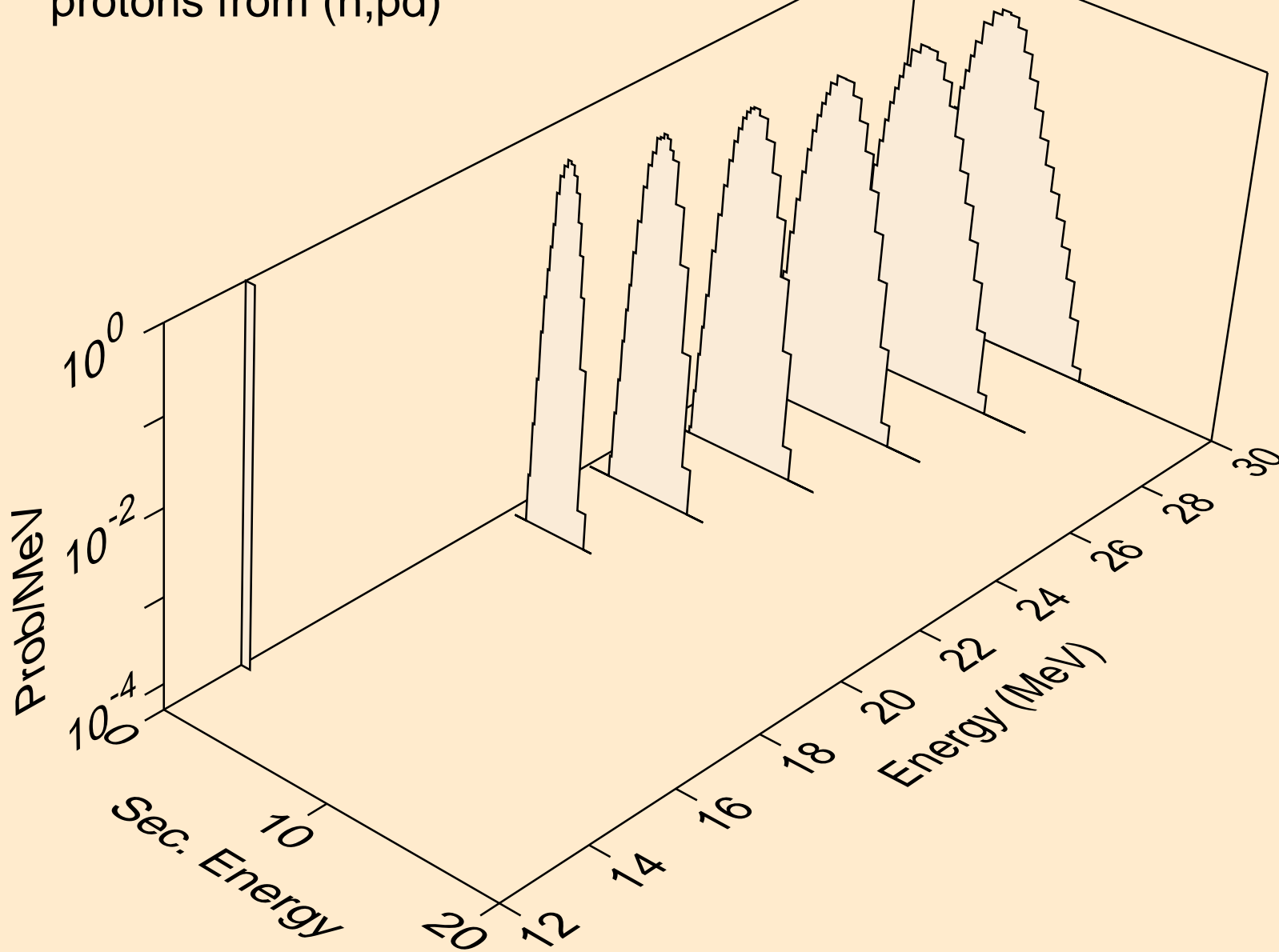




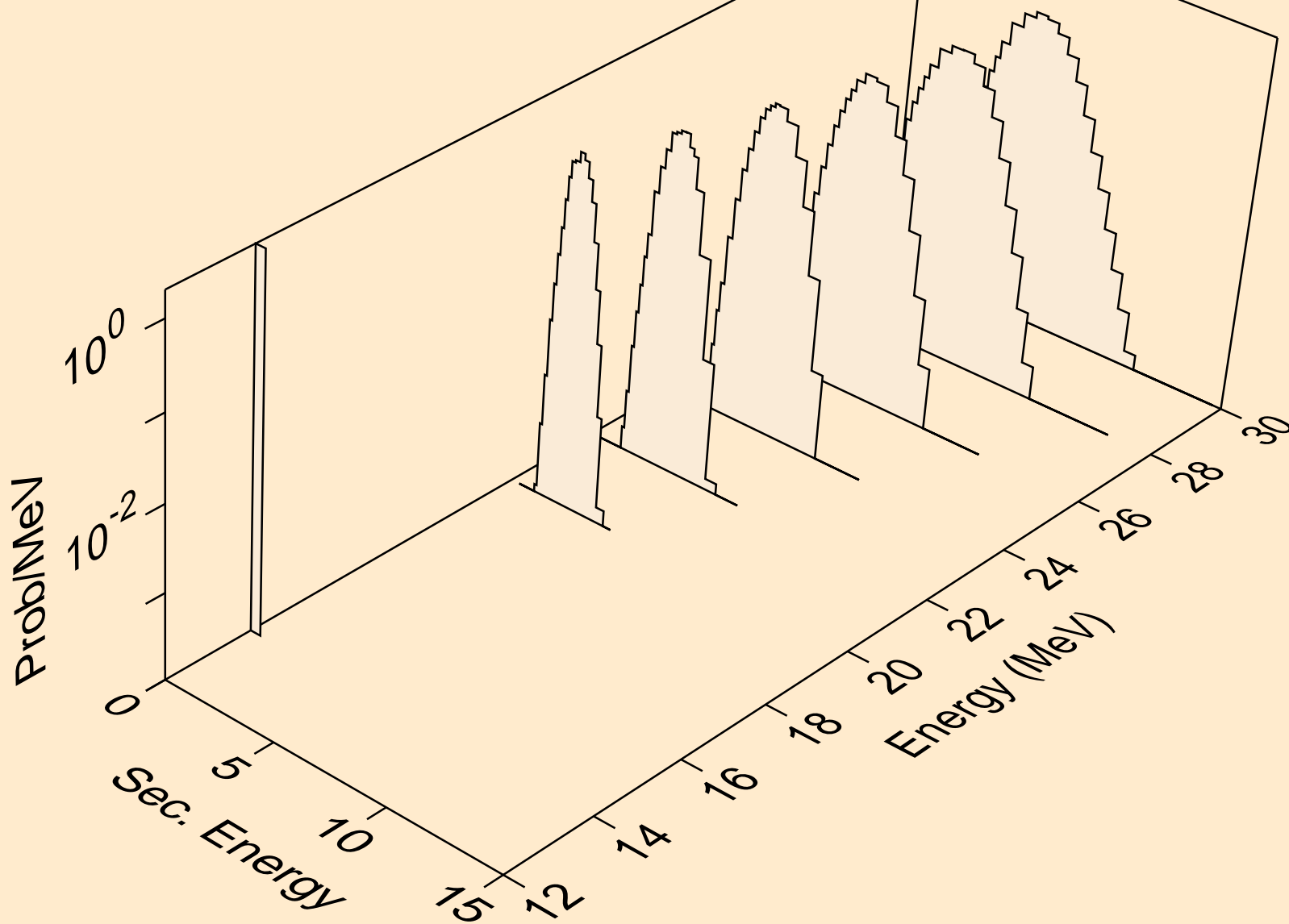
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protons from (n,pa)



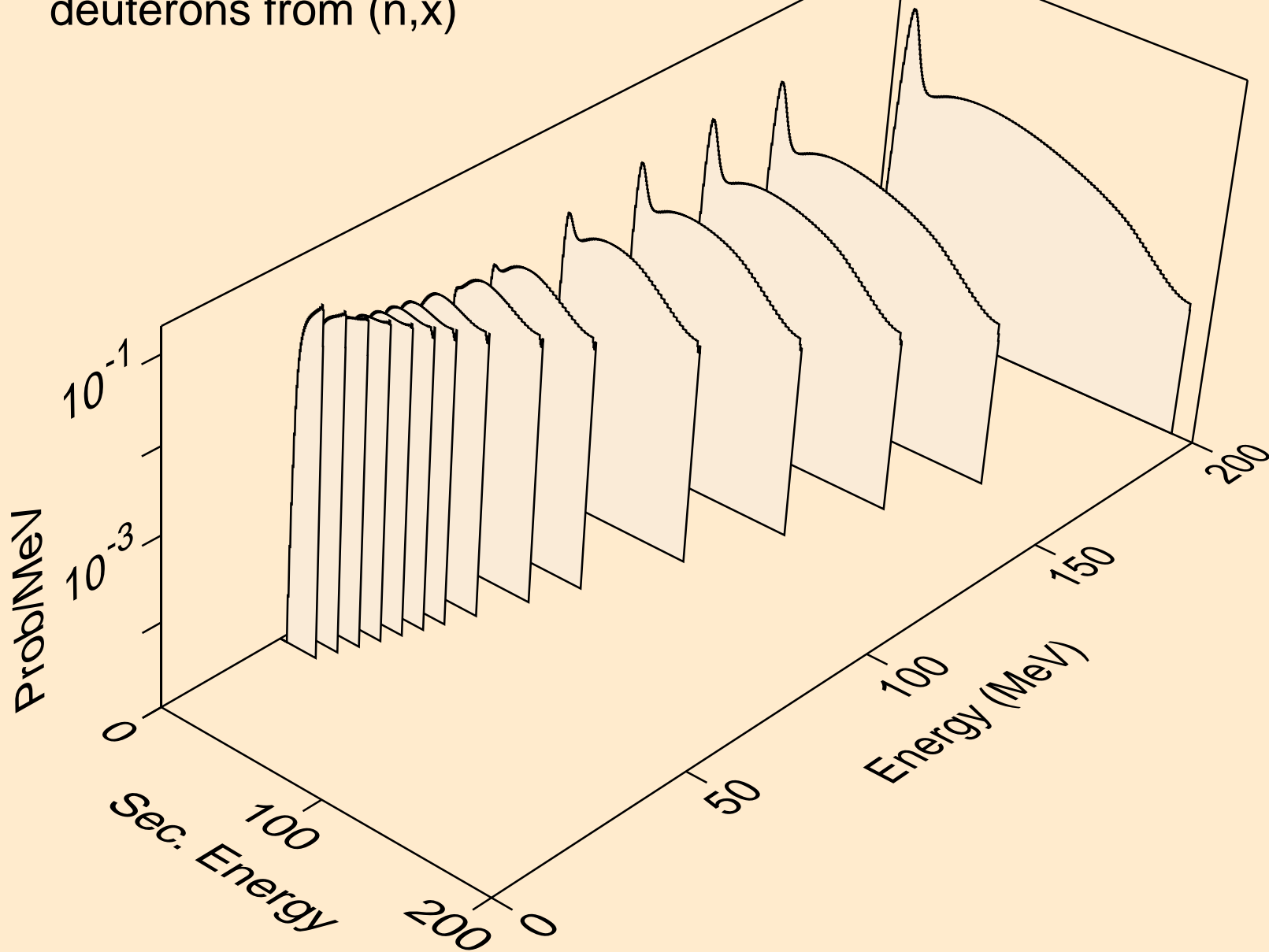
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protons from (n,pd)



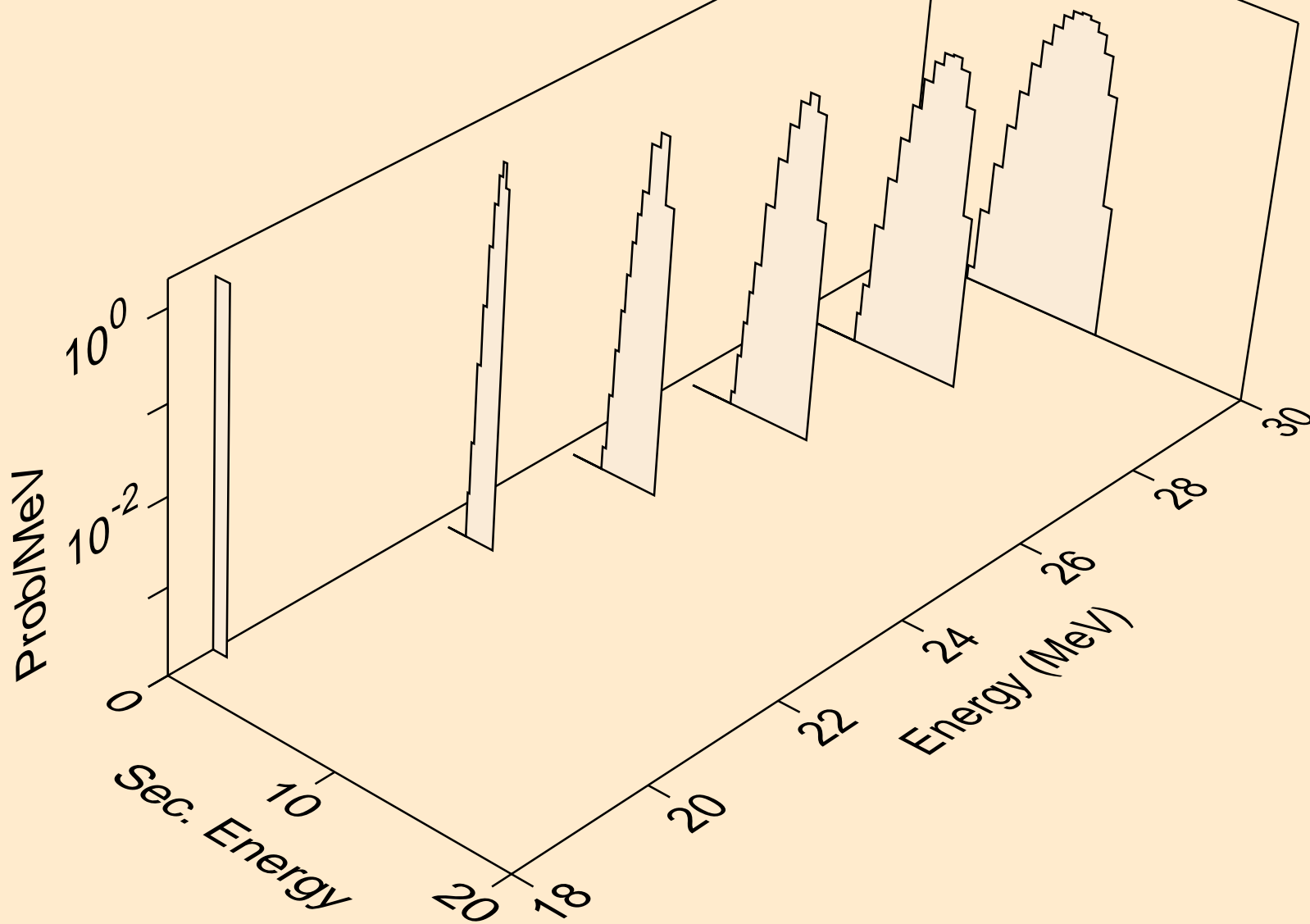
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protons from (n,pt)



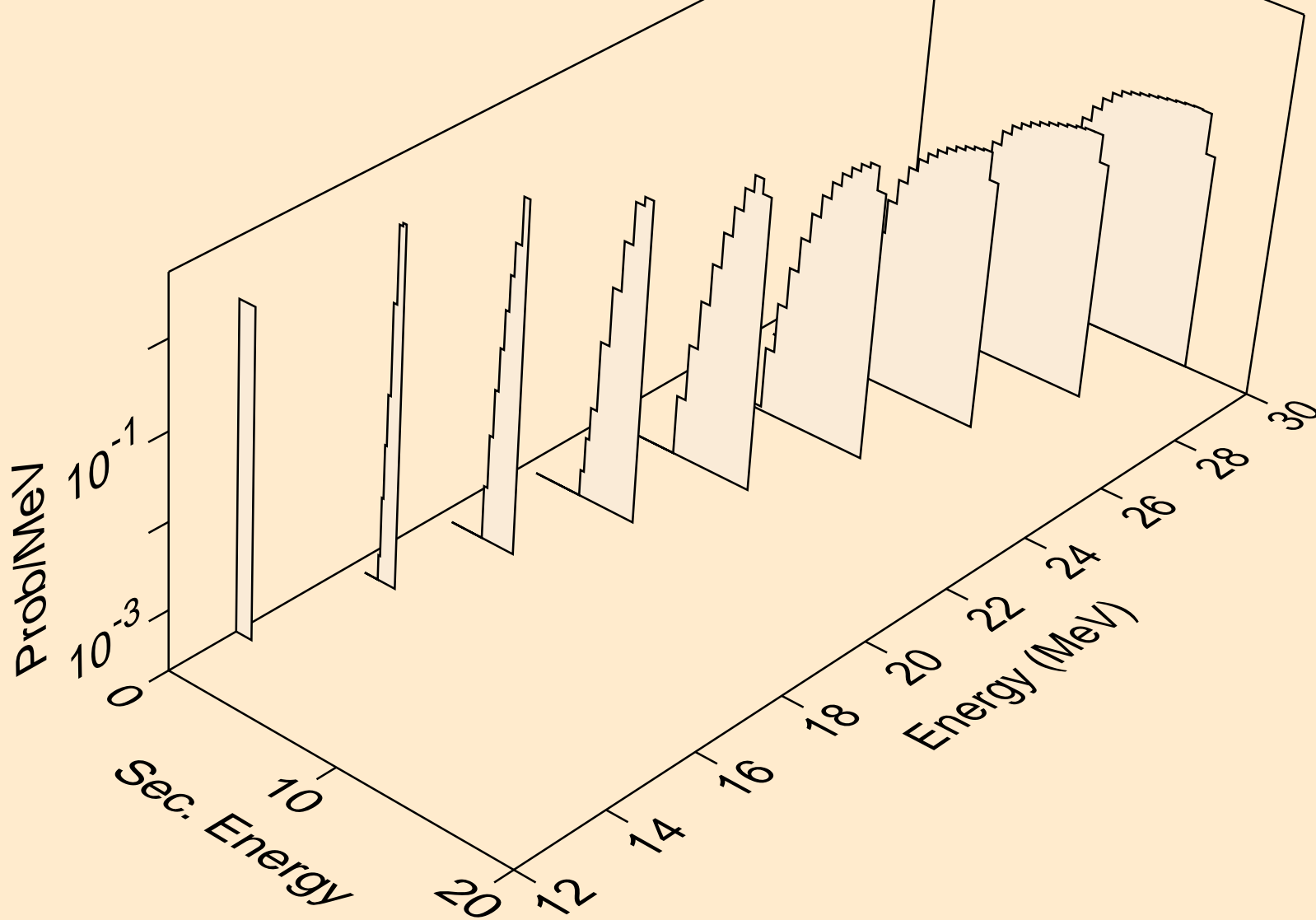
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deuterons from (n,x)



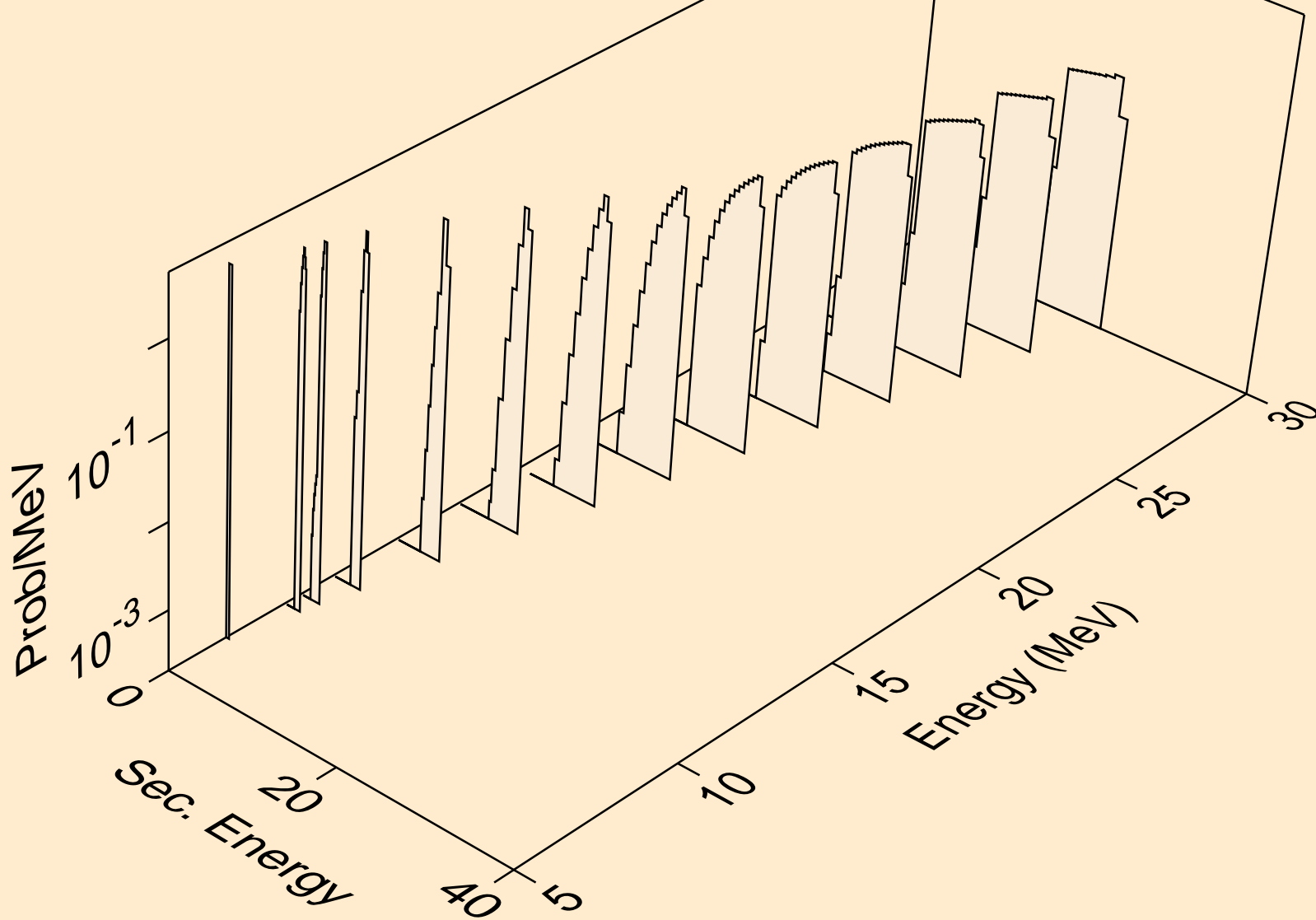
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deuterons from (n,2nd)



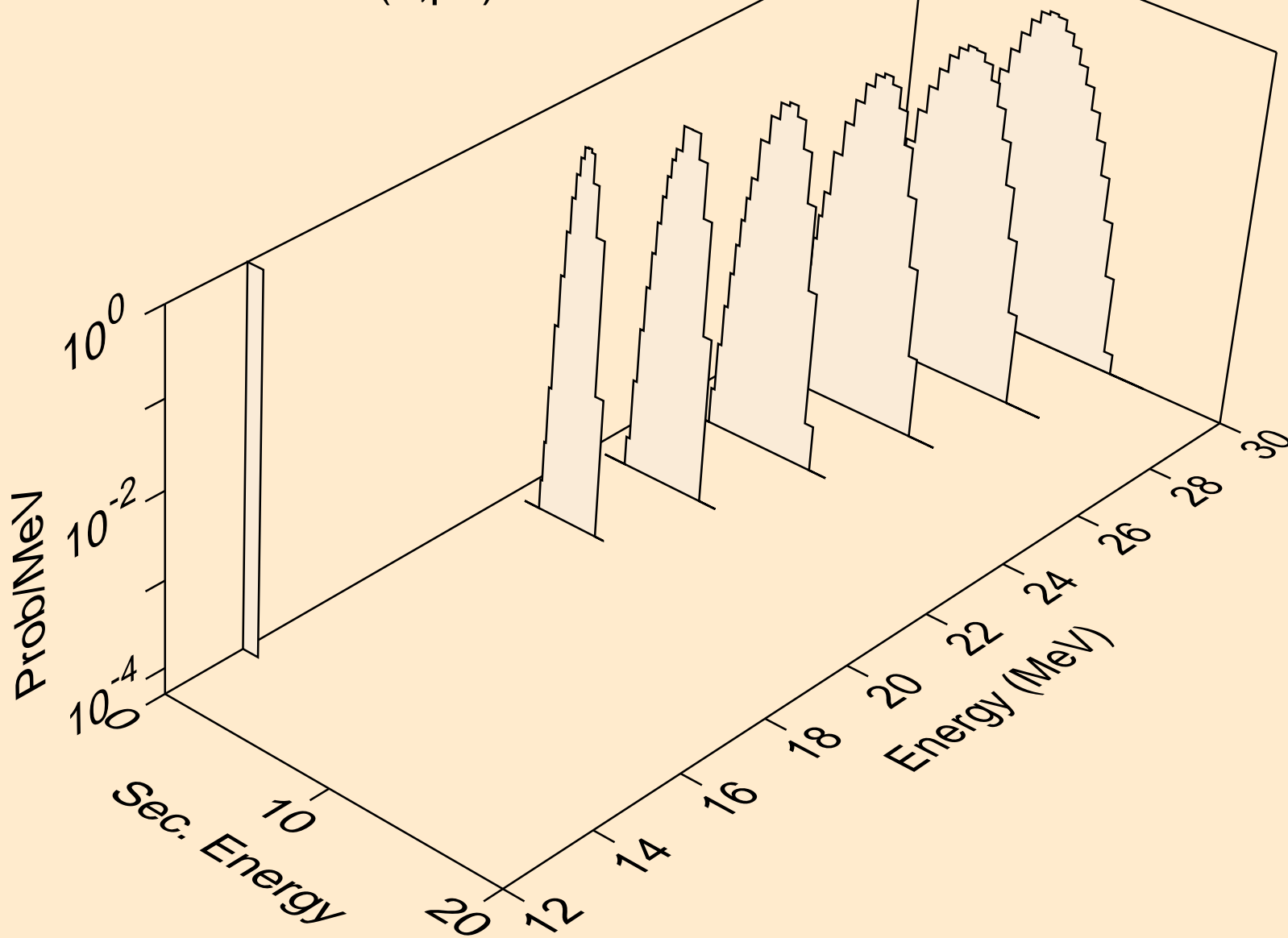
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deuterons from (n,n\*)d



CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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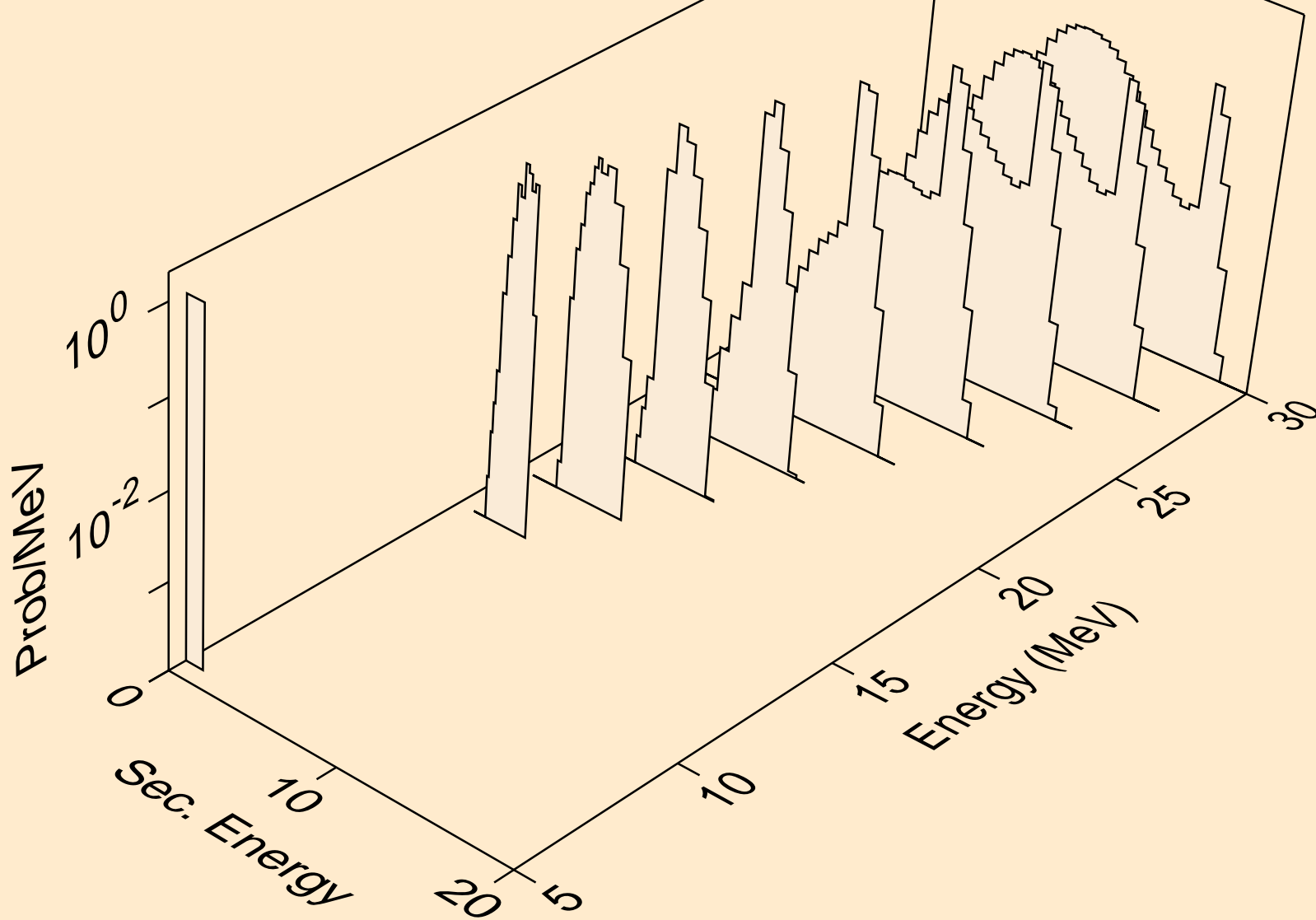


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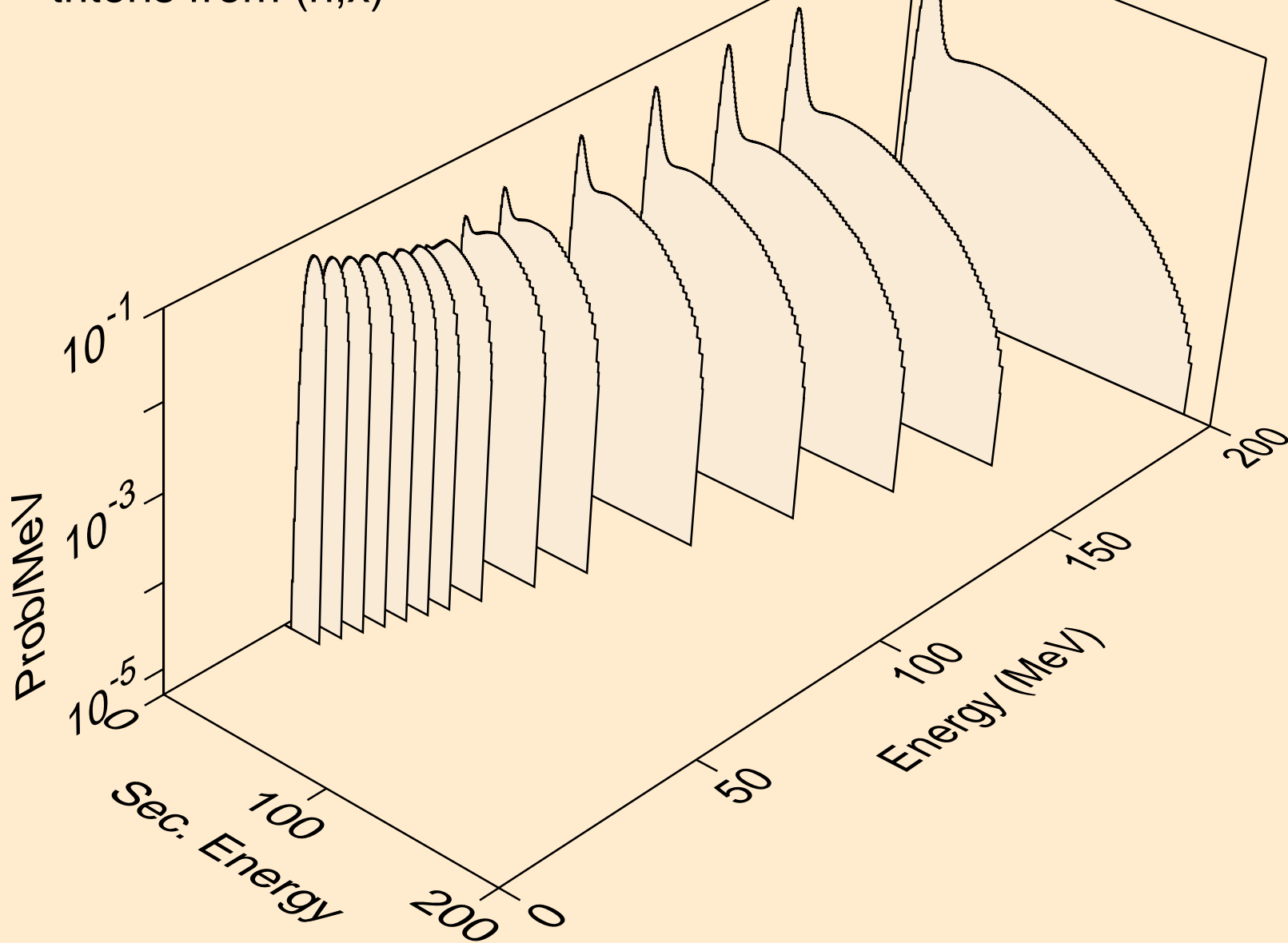




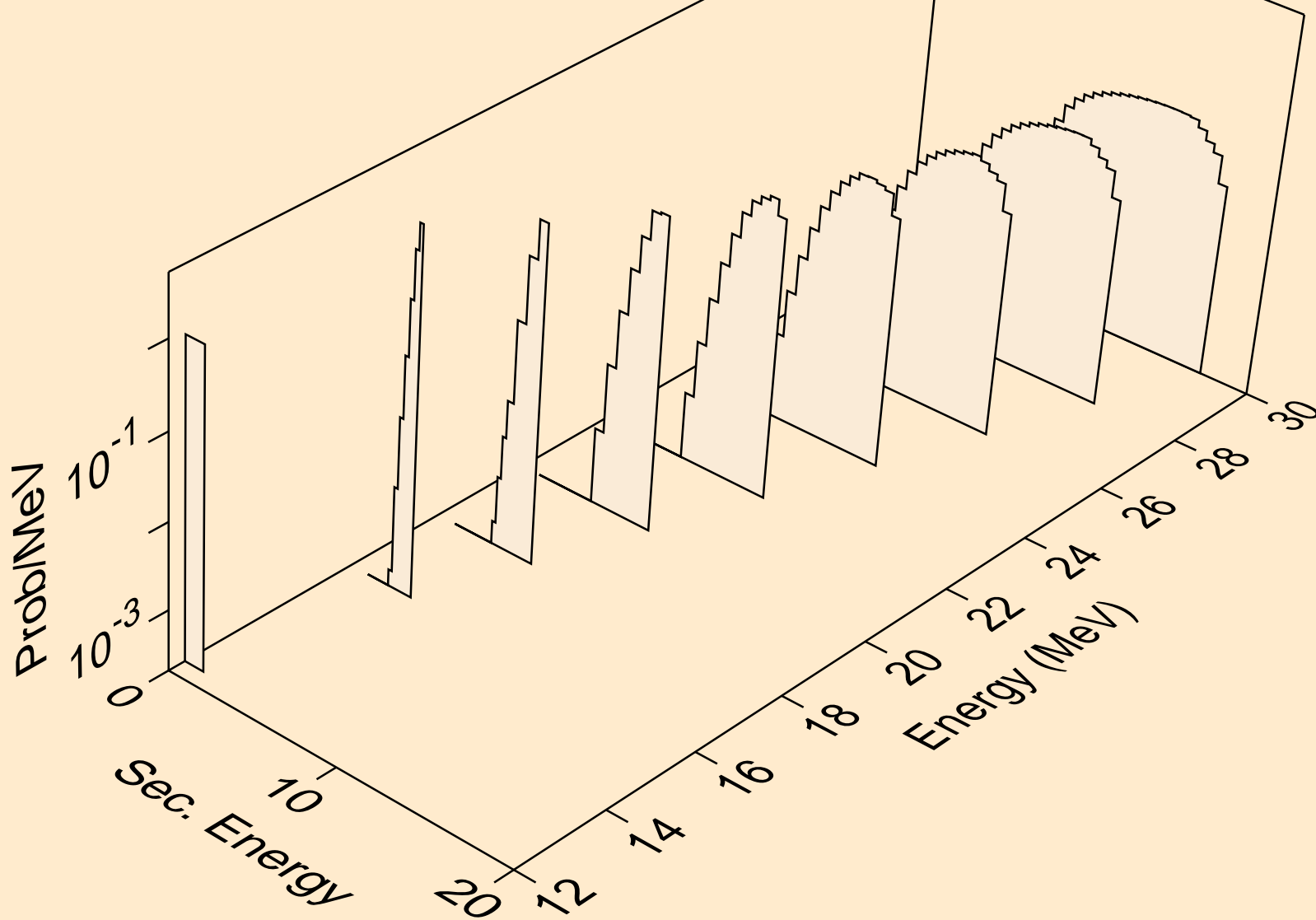
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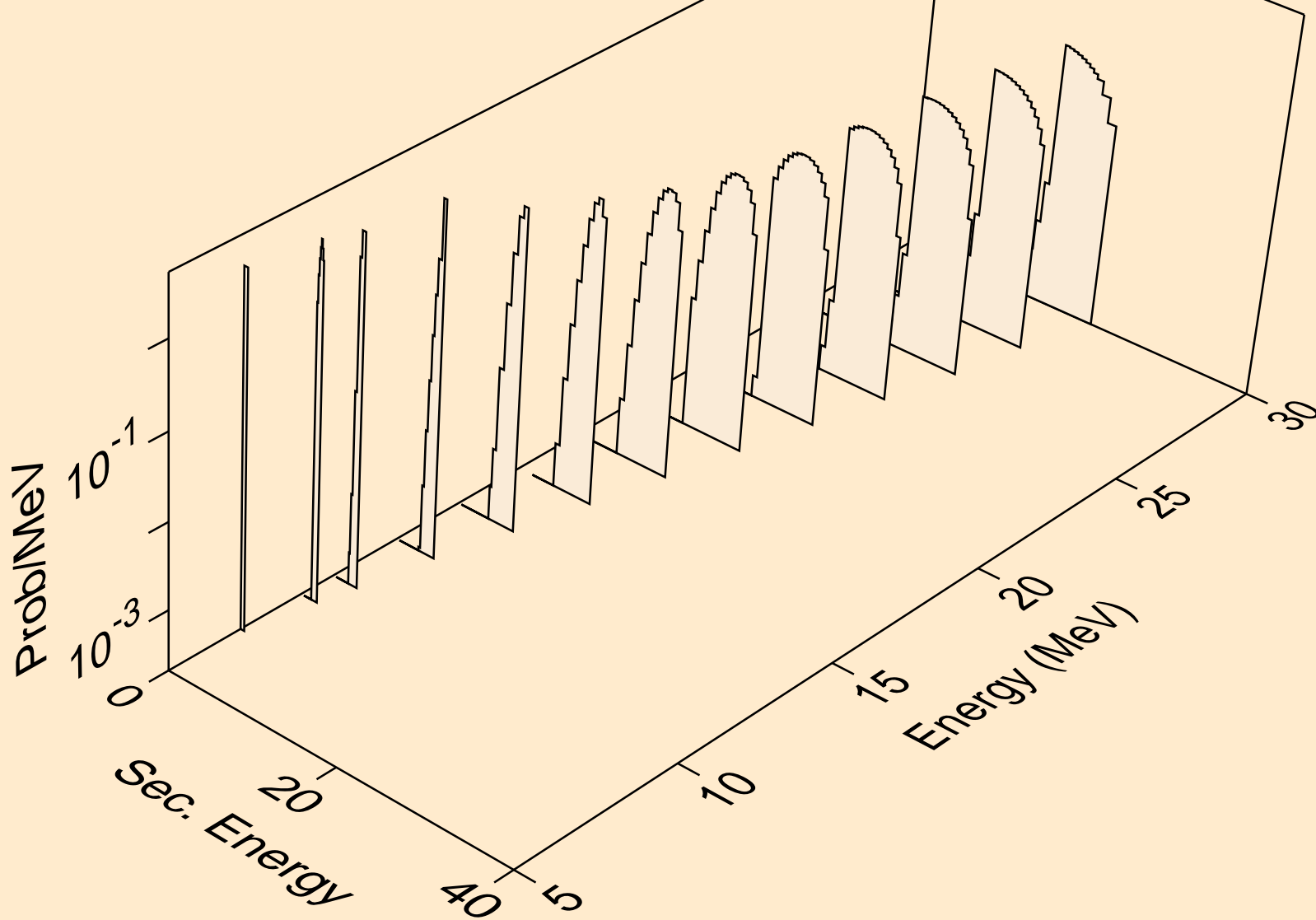
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tritons from (n,x)



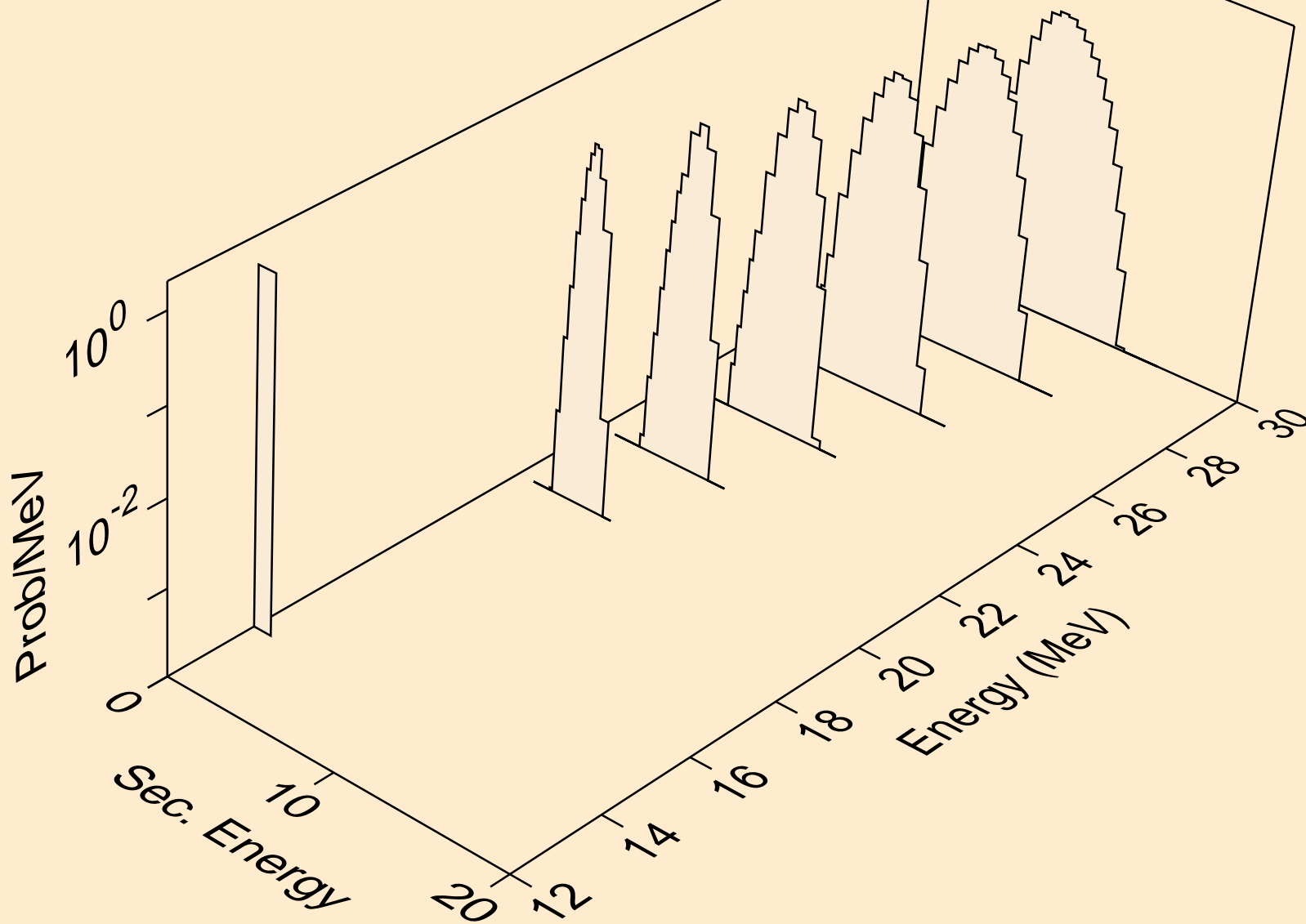
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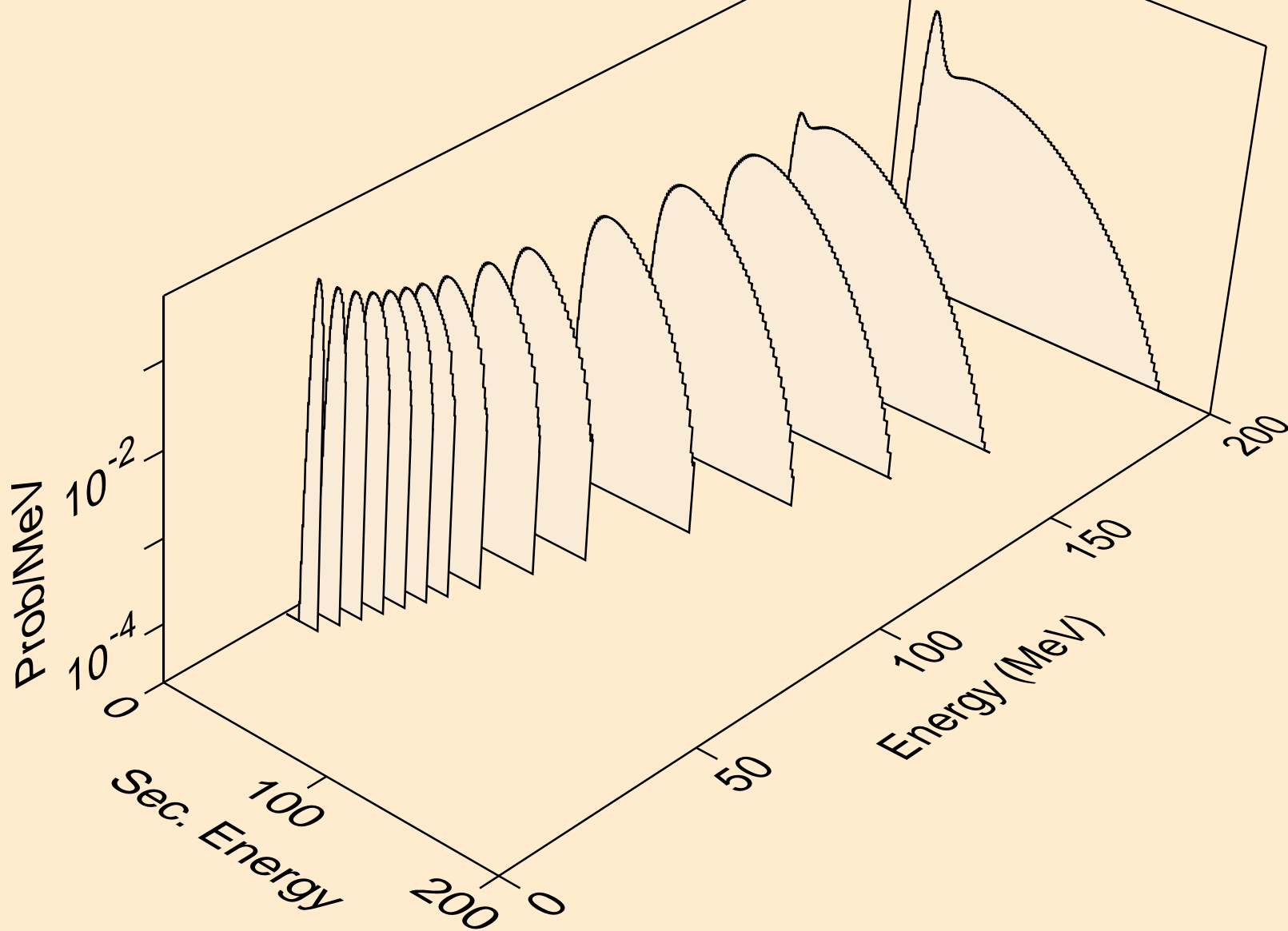
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tritons from (n,t)



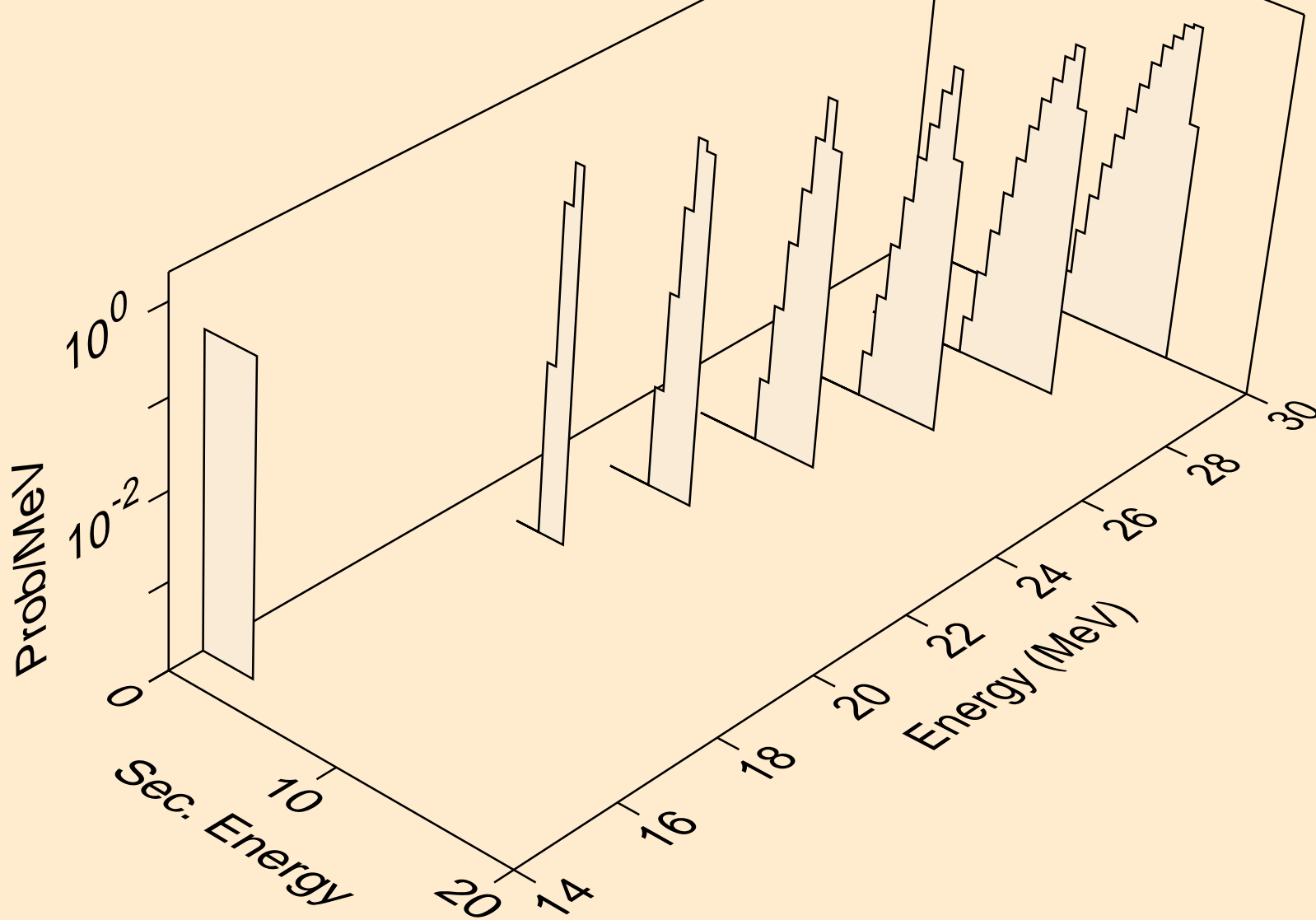
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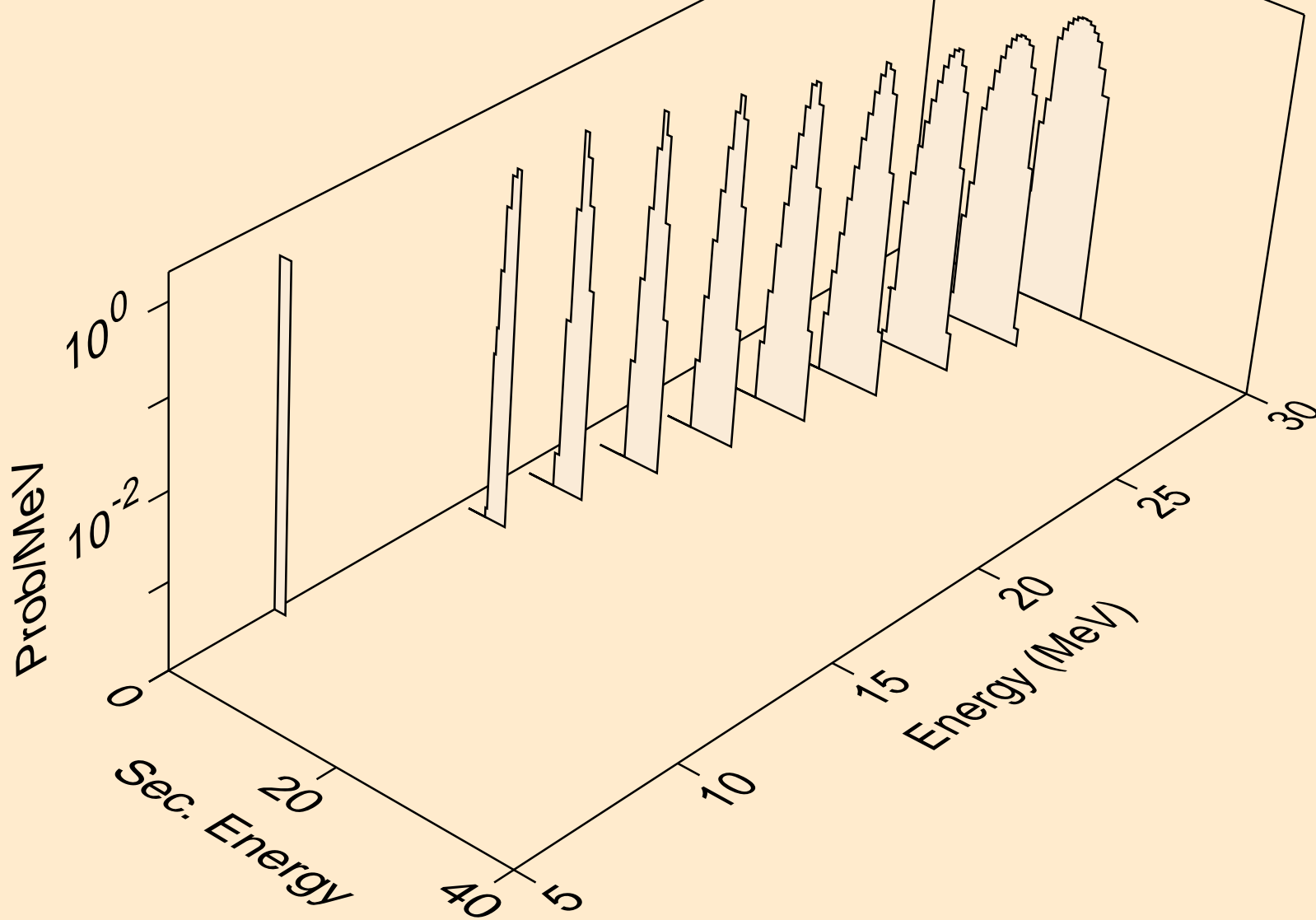
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3

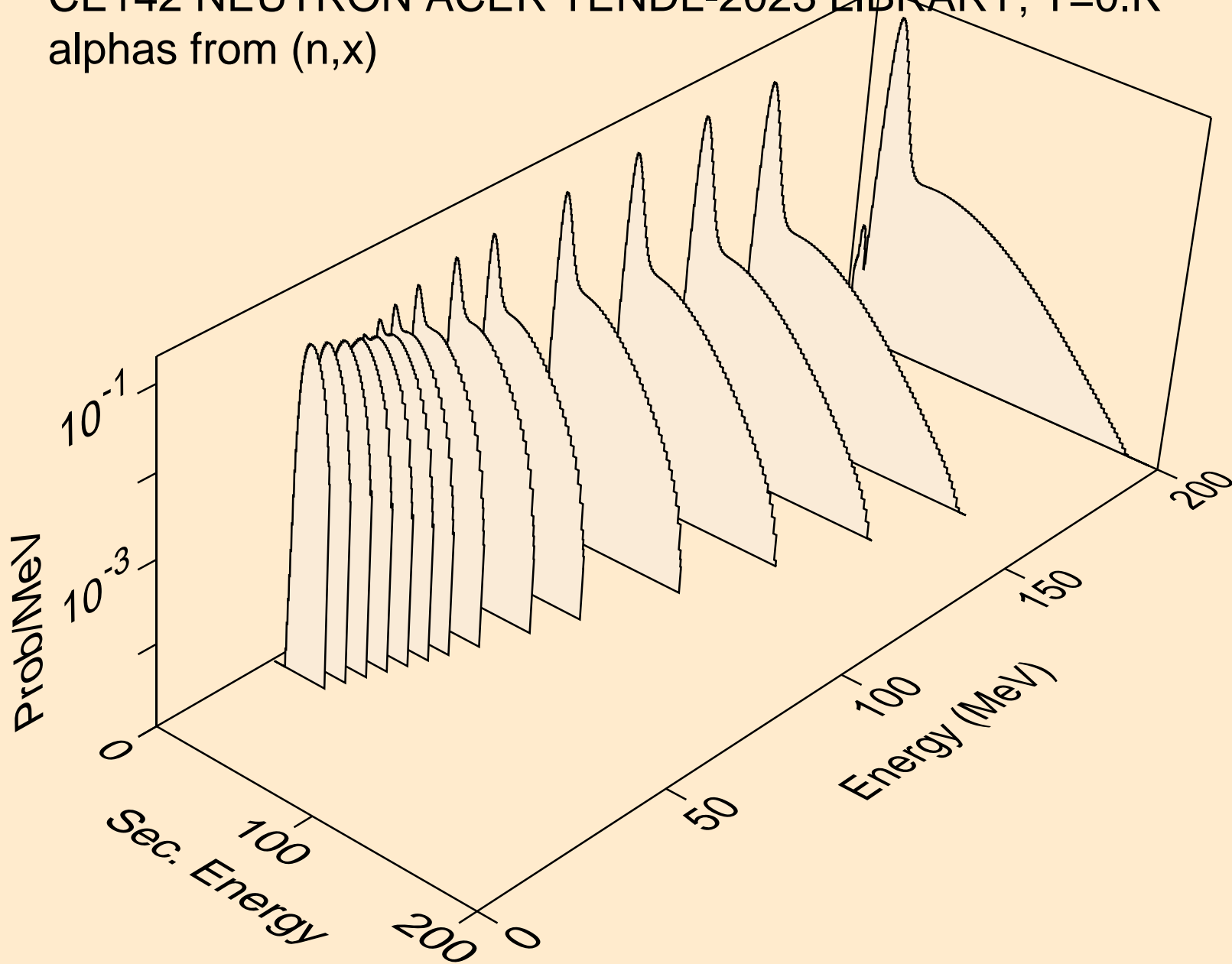


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he3s from (n,he3)

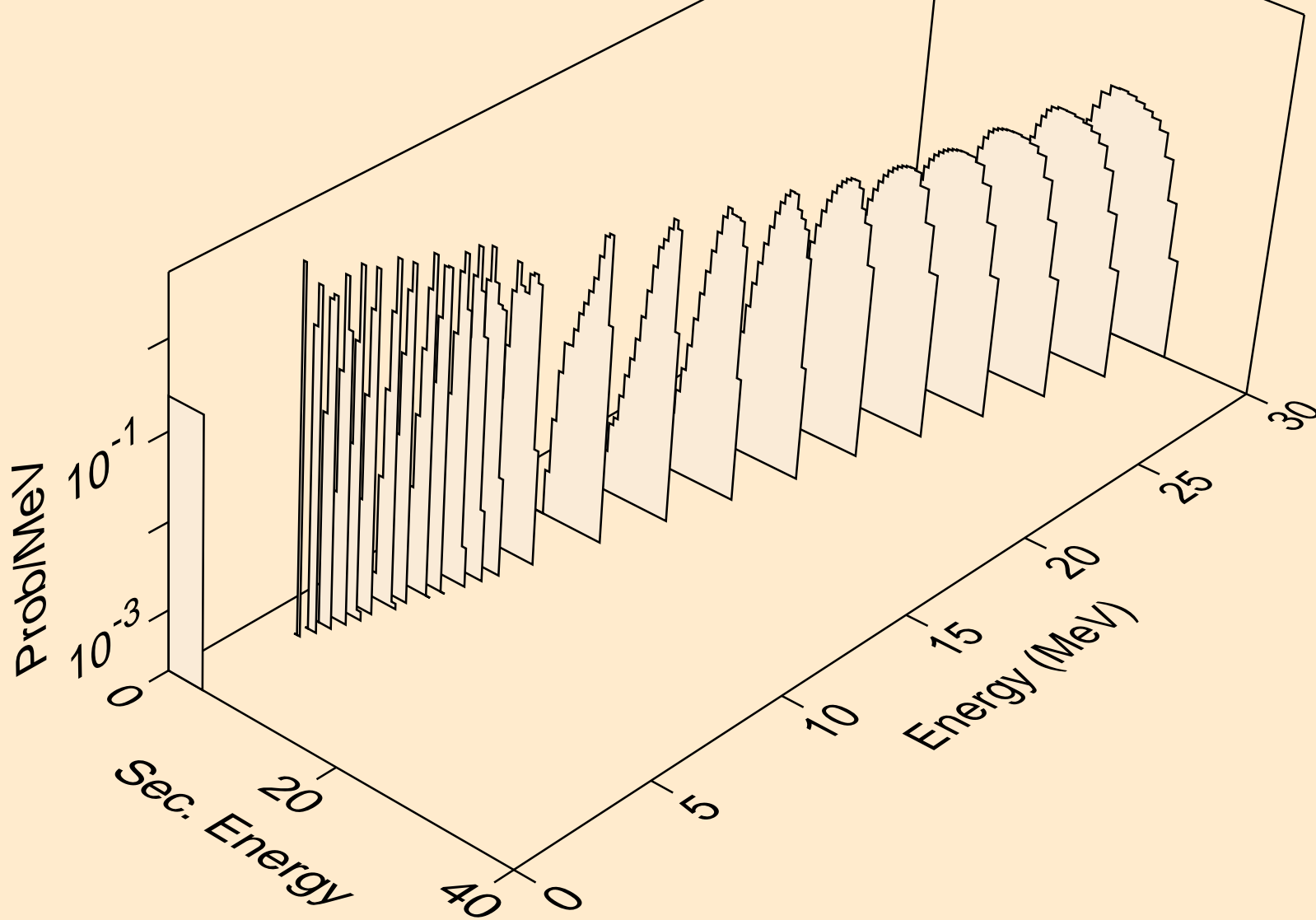




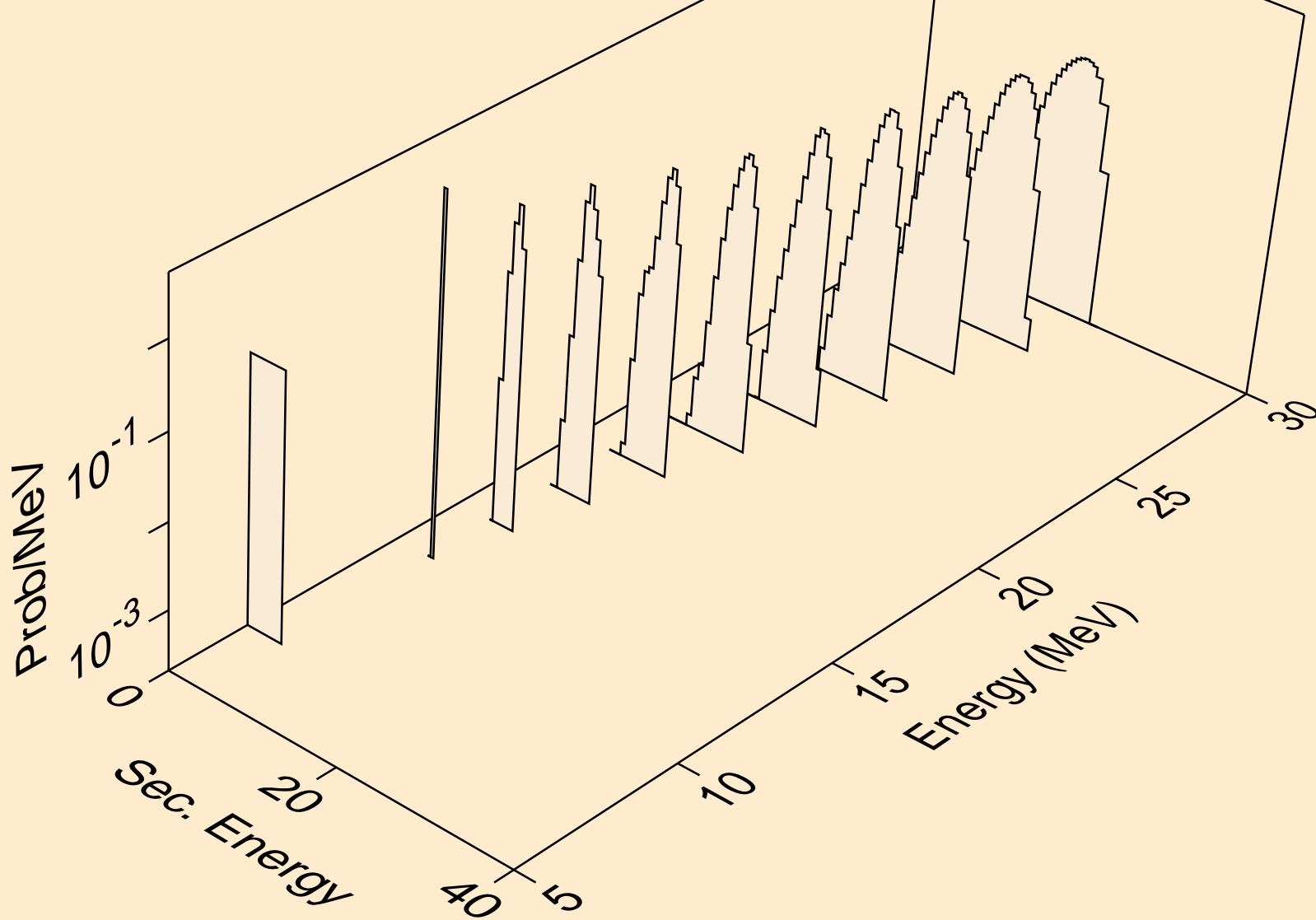
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



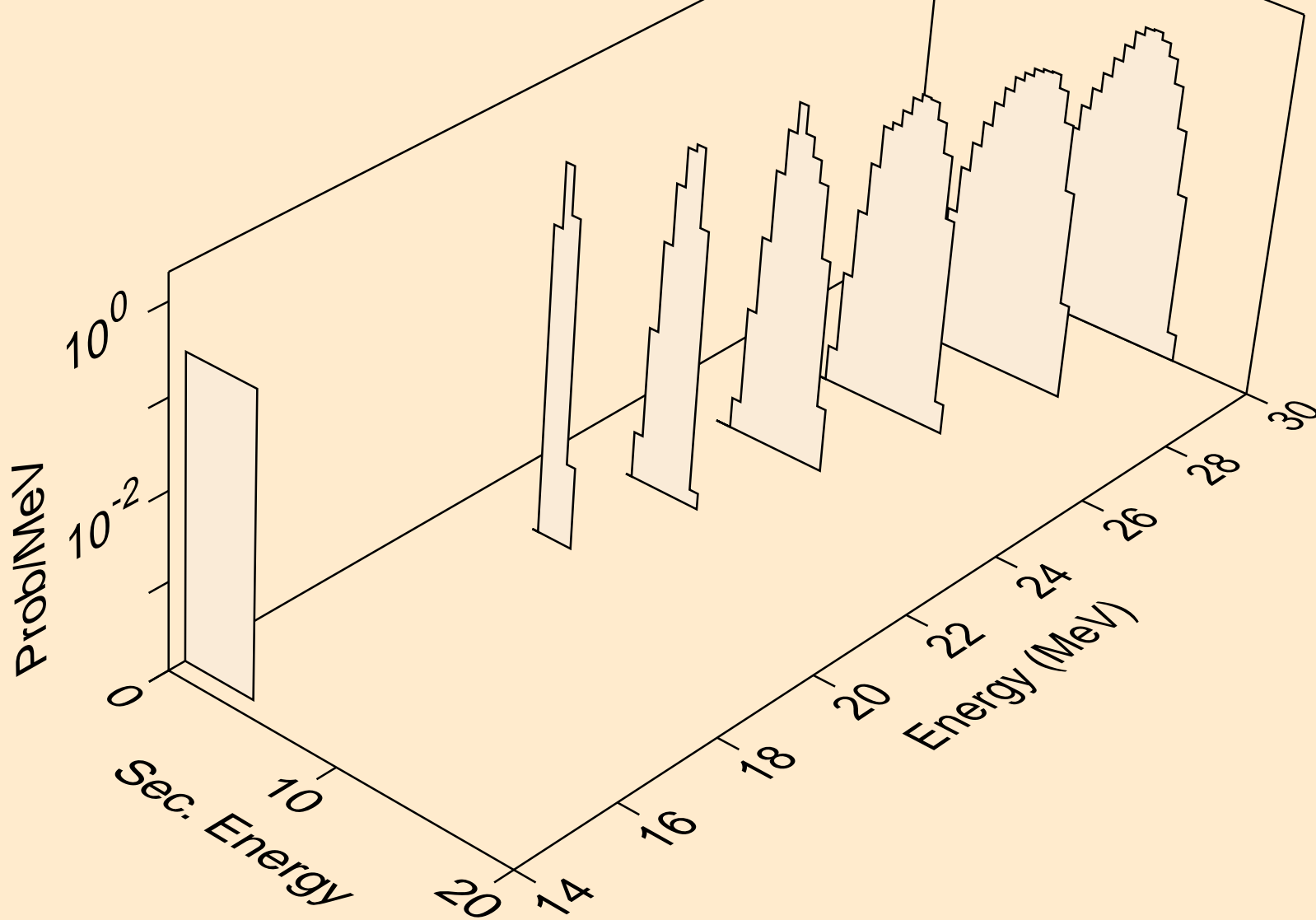
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alphas from (n,n\*)a



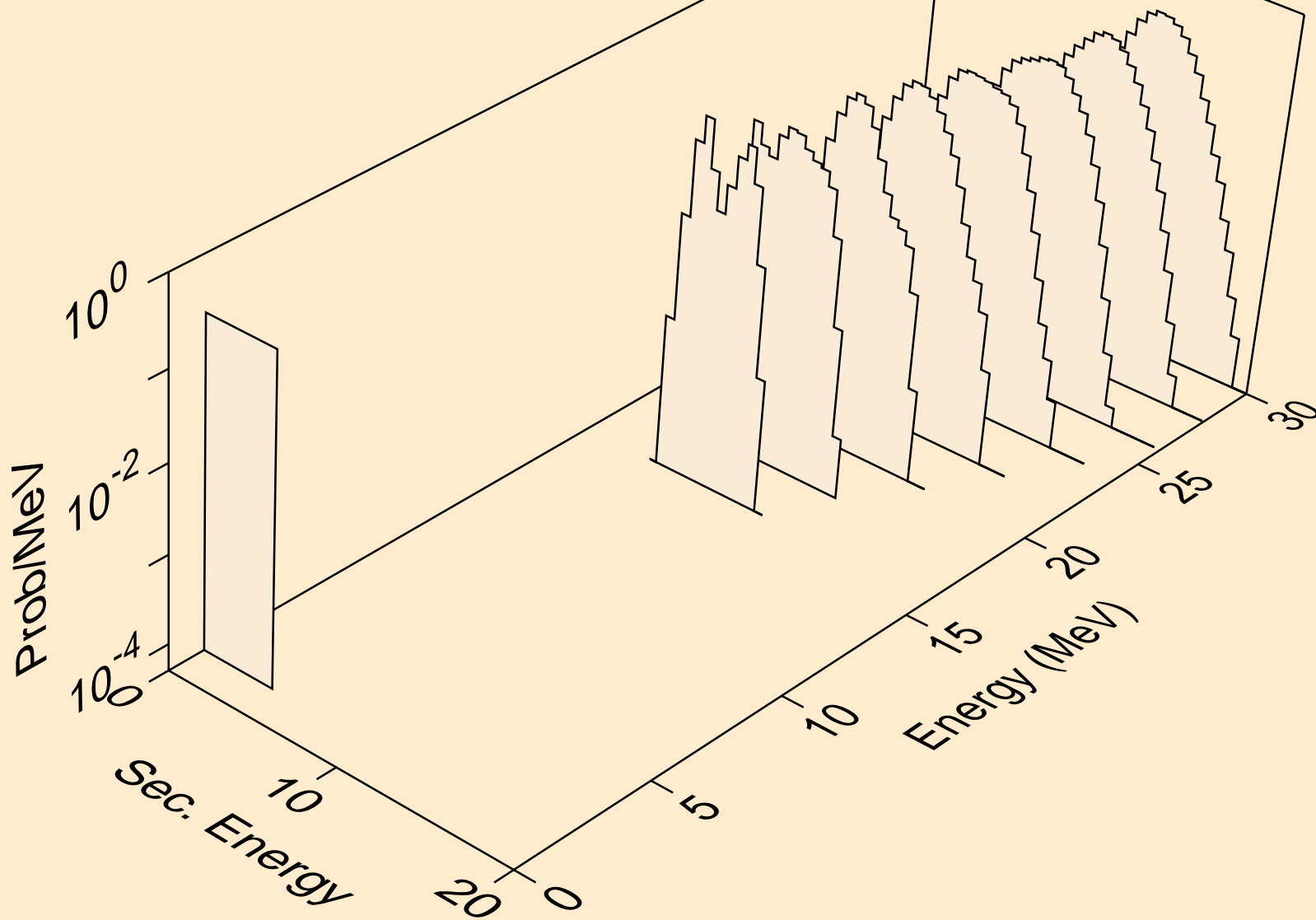
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alphas from (n,2n)a



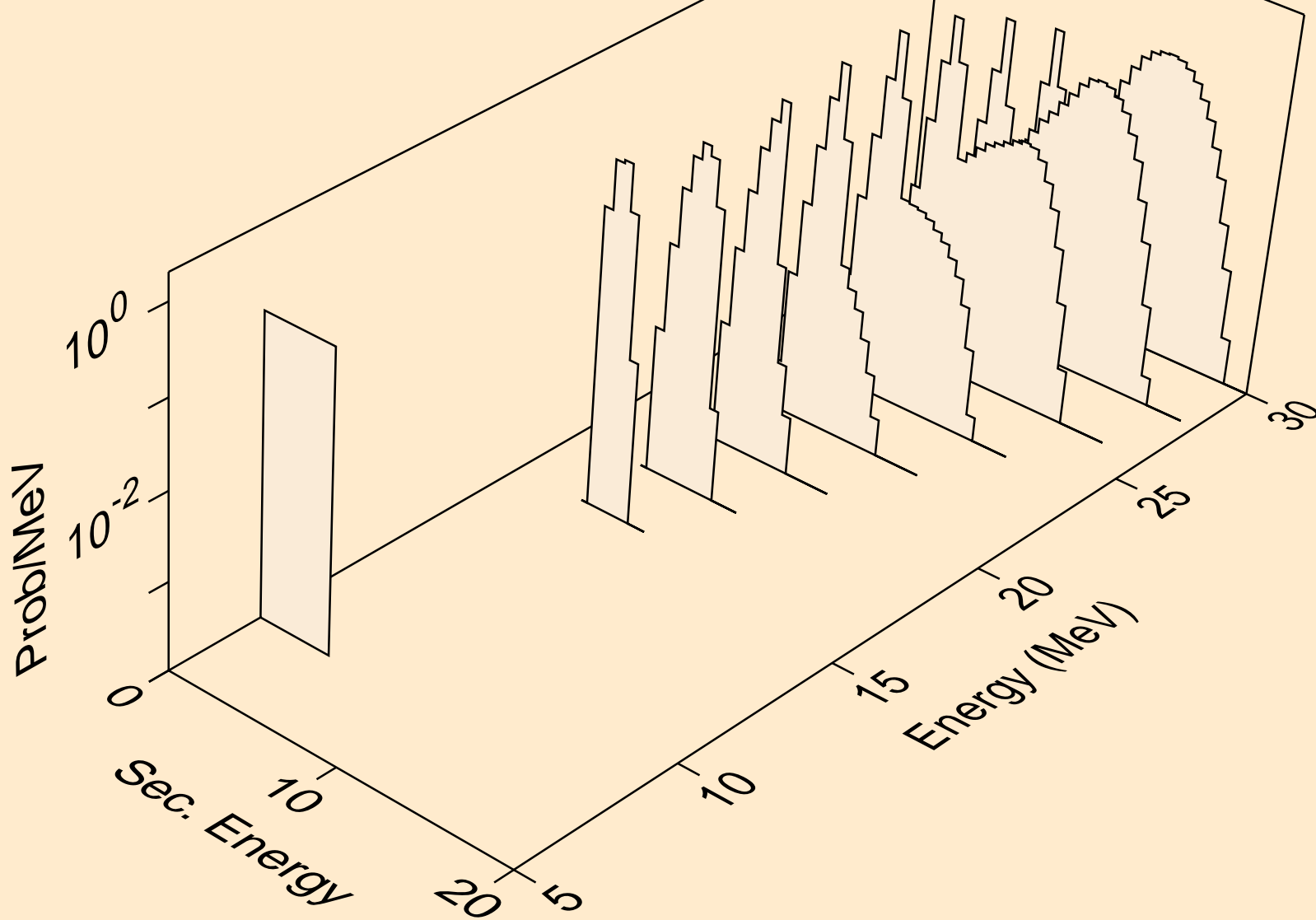
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alphas from (n,3n)a



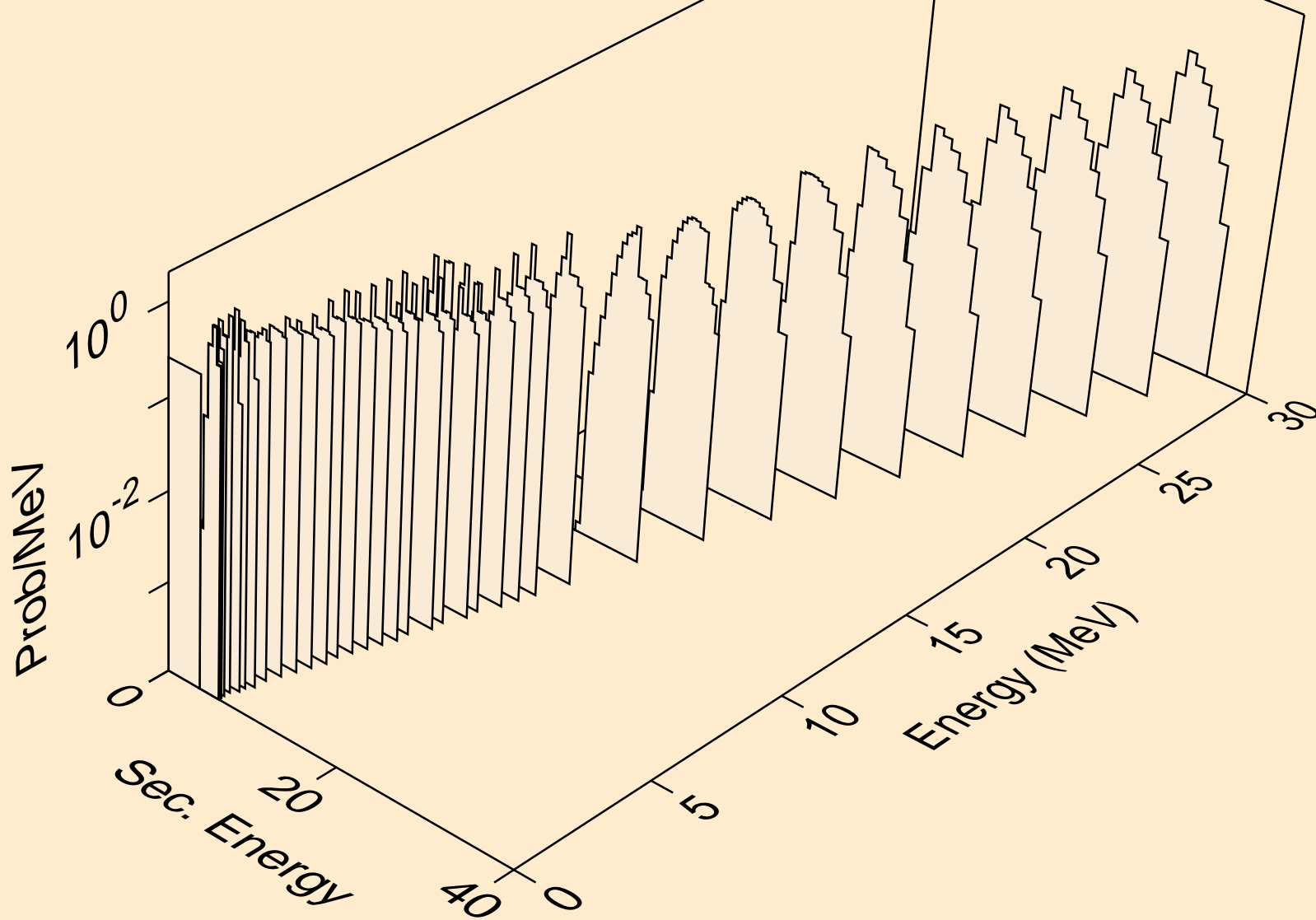
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alphas from (n,n\*)2a



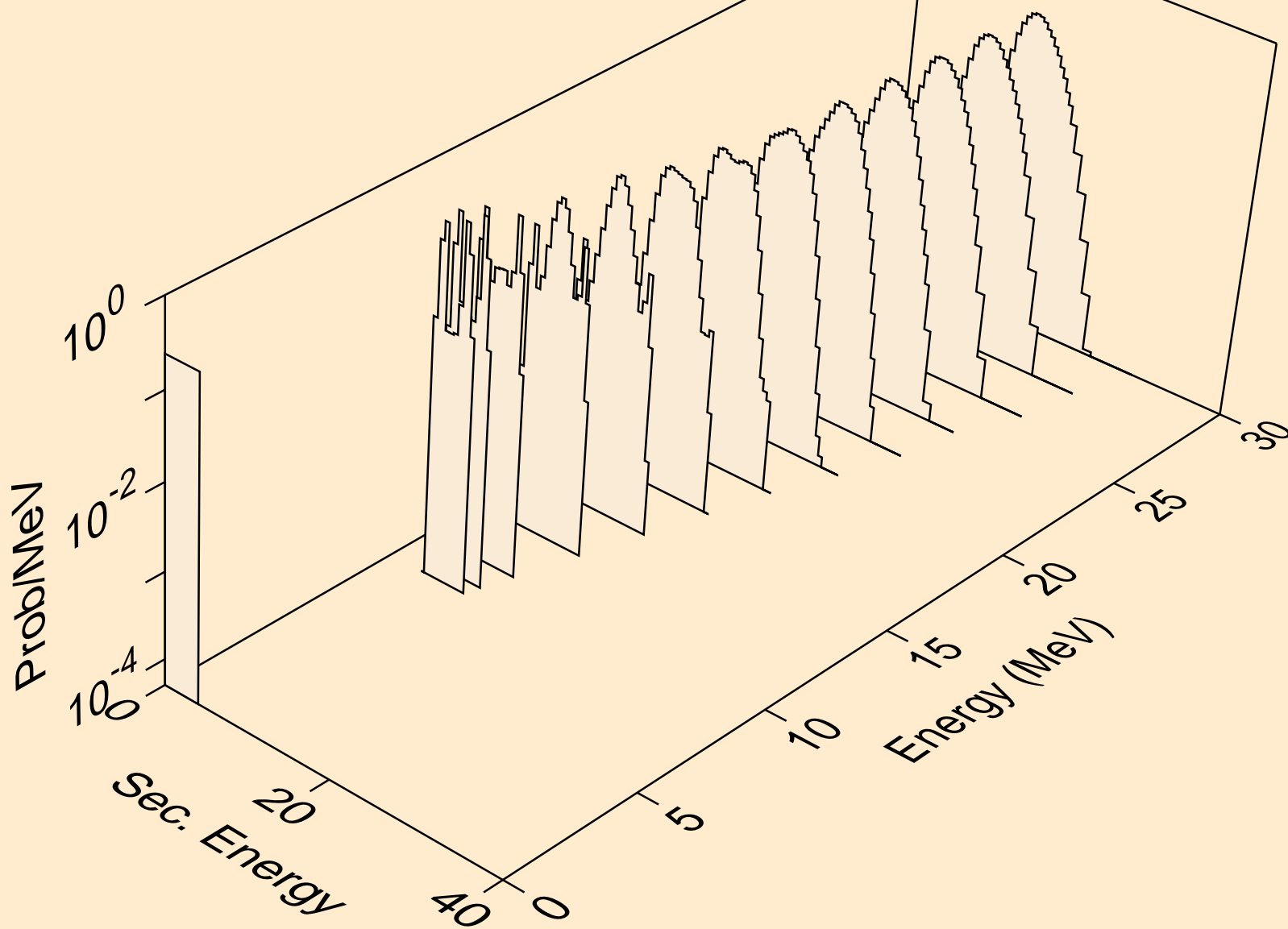
CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)



CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)

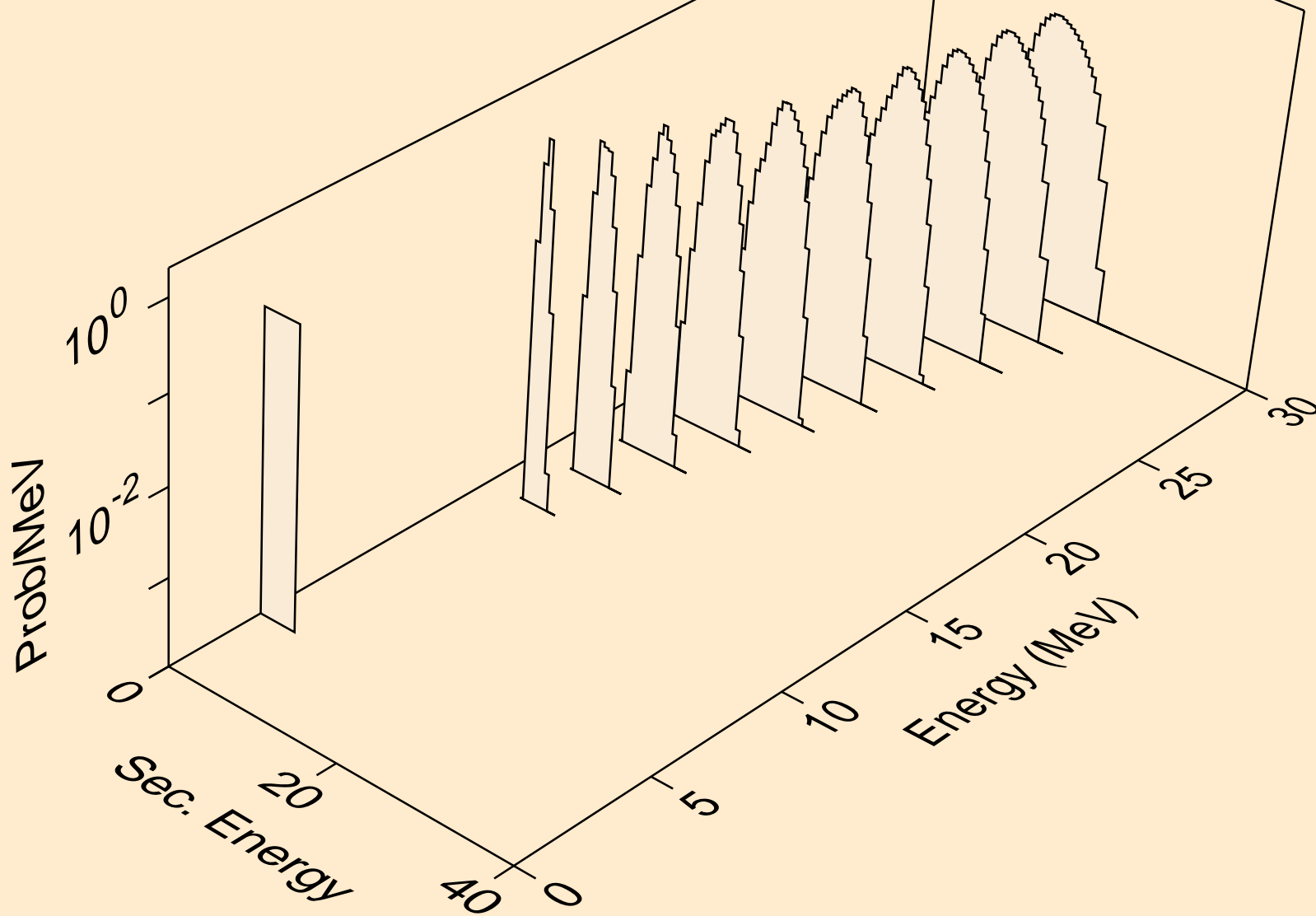


CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)





CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



CE142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

