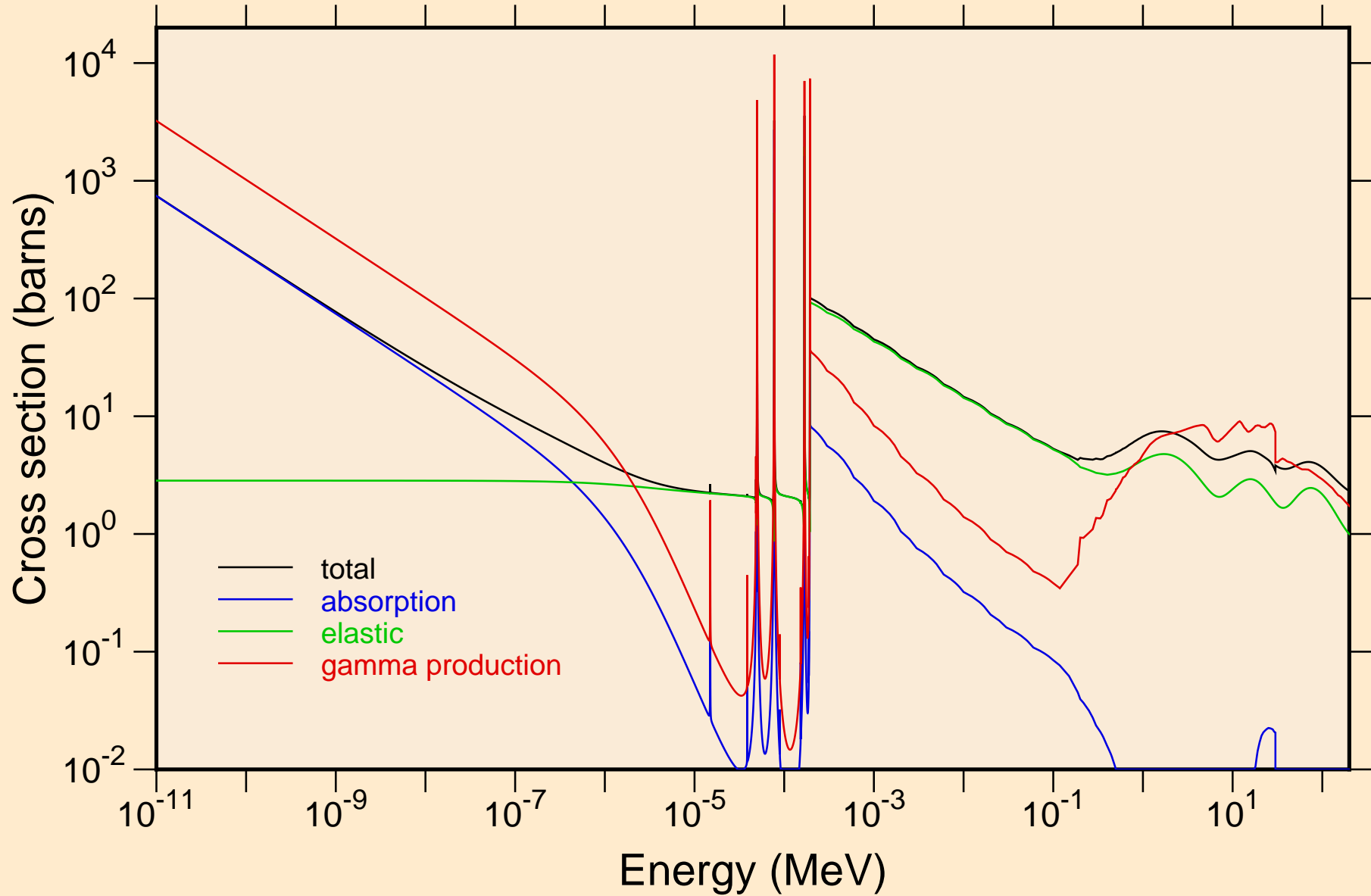
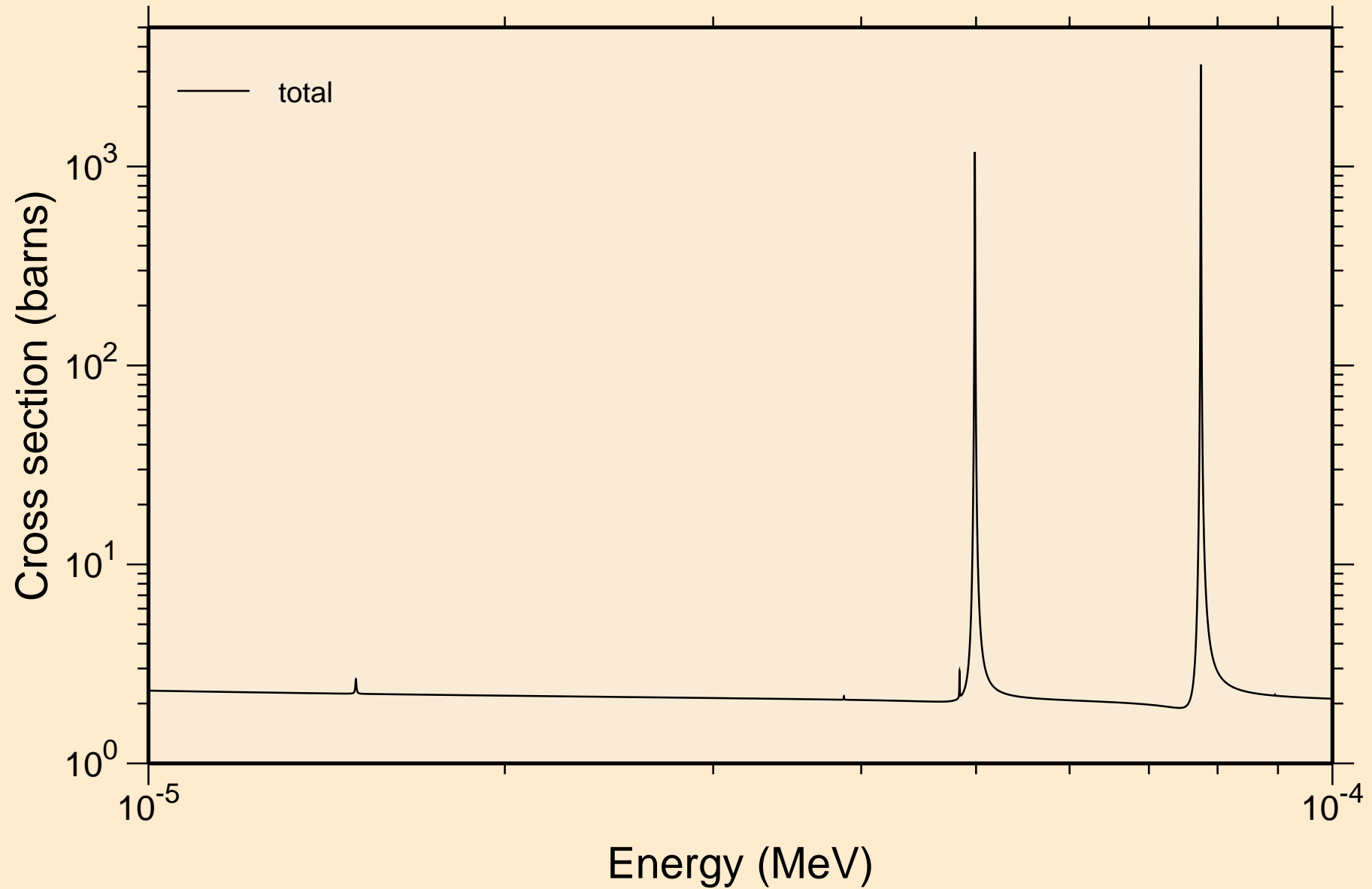


# CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

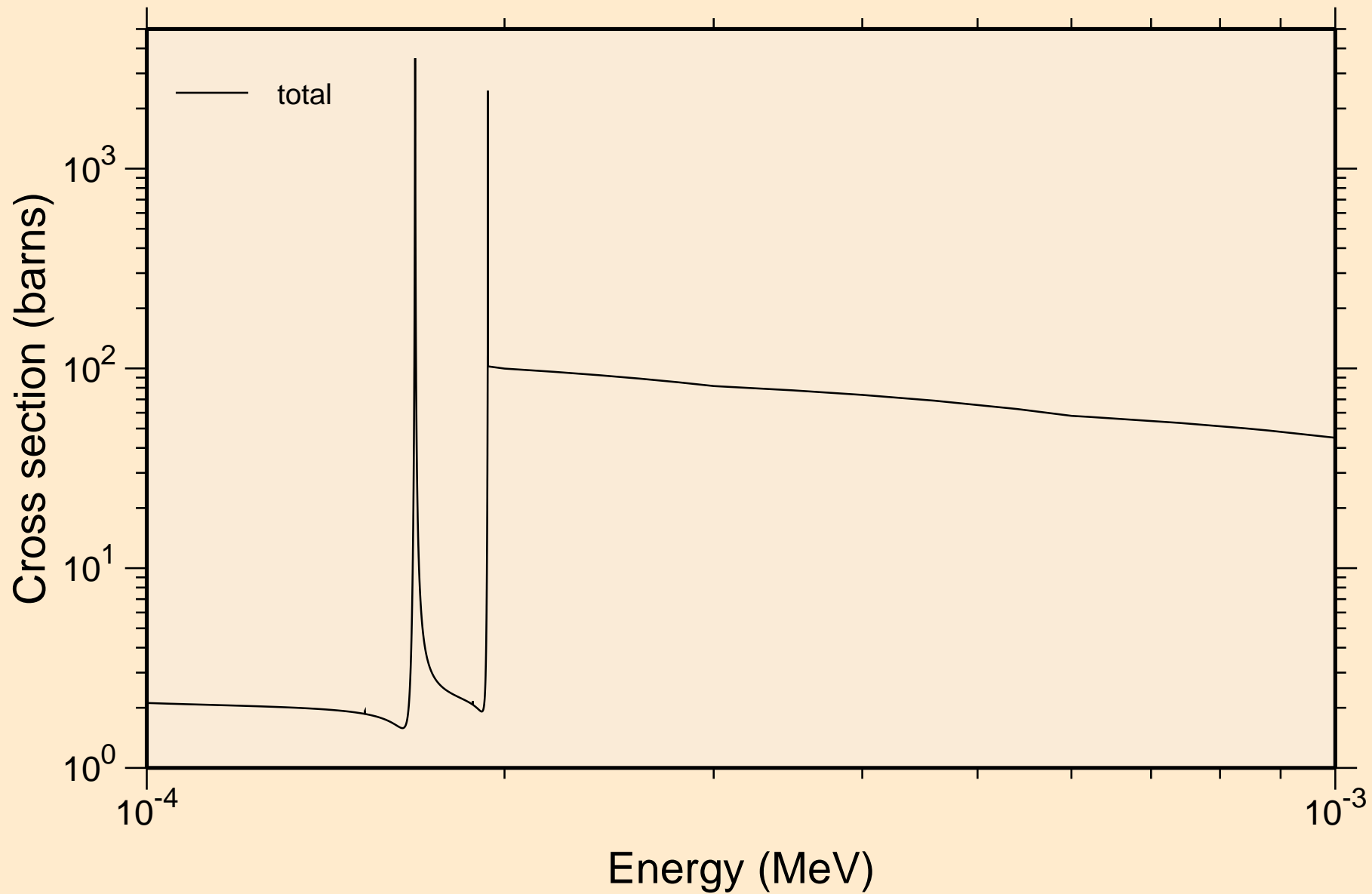
## Principal cross sections



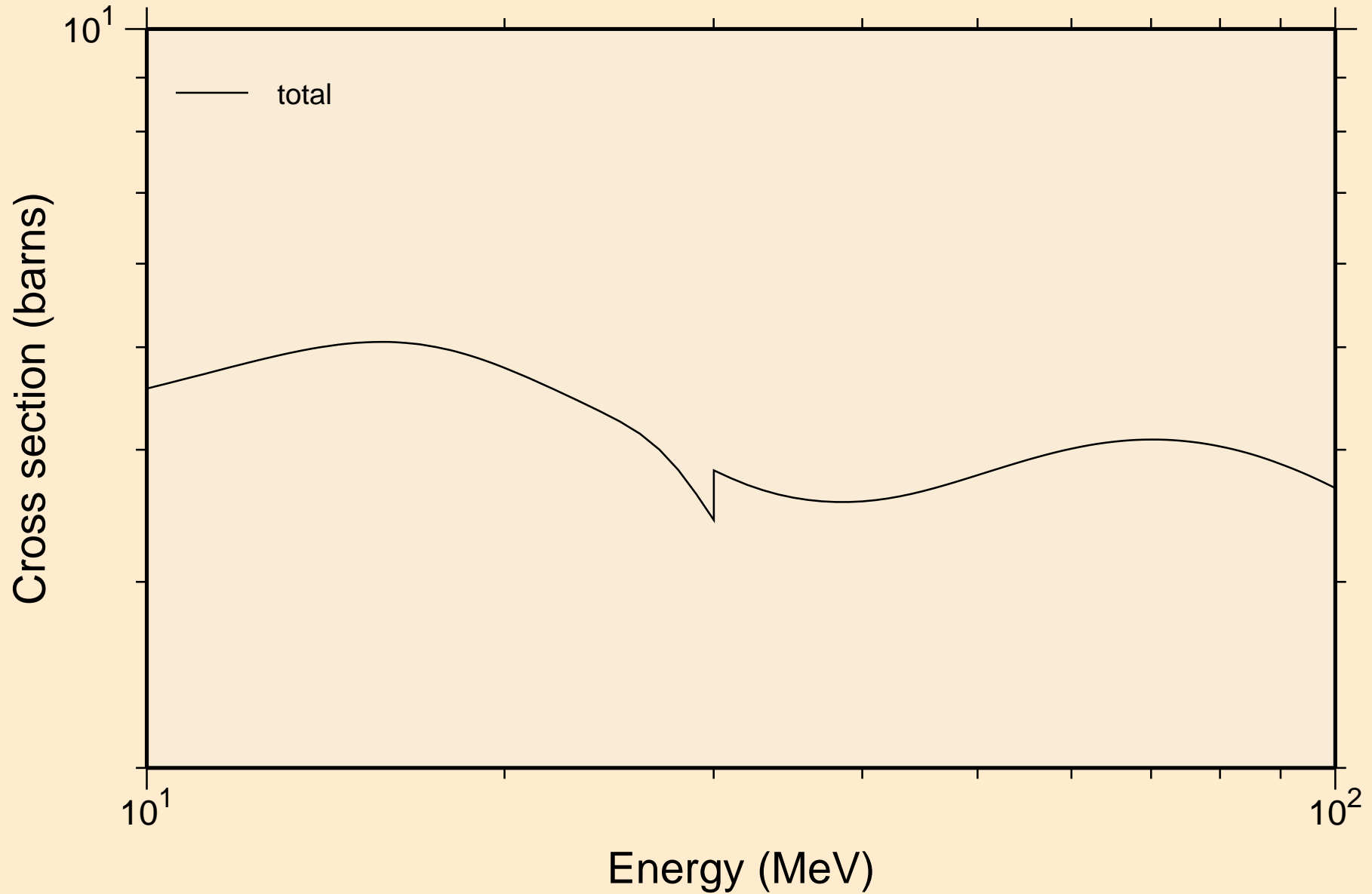
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



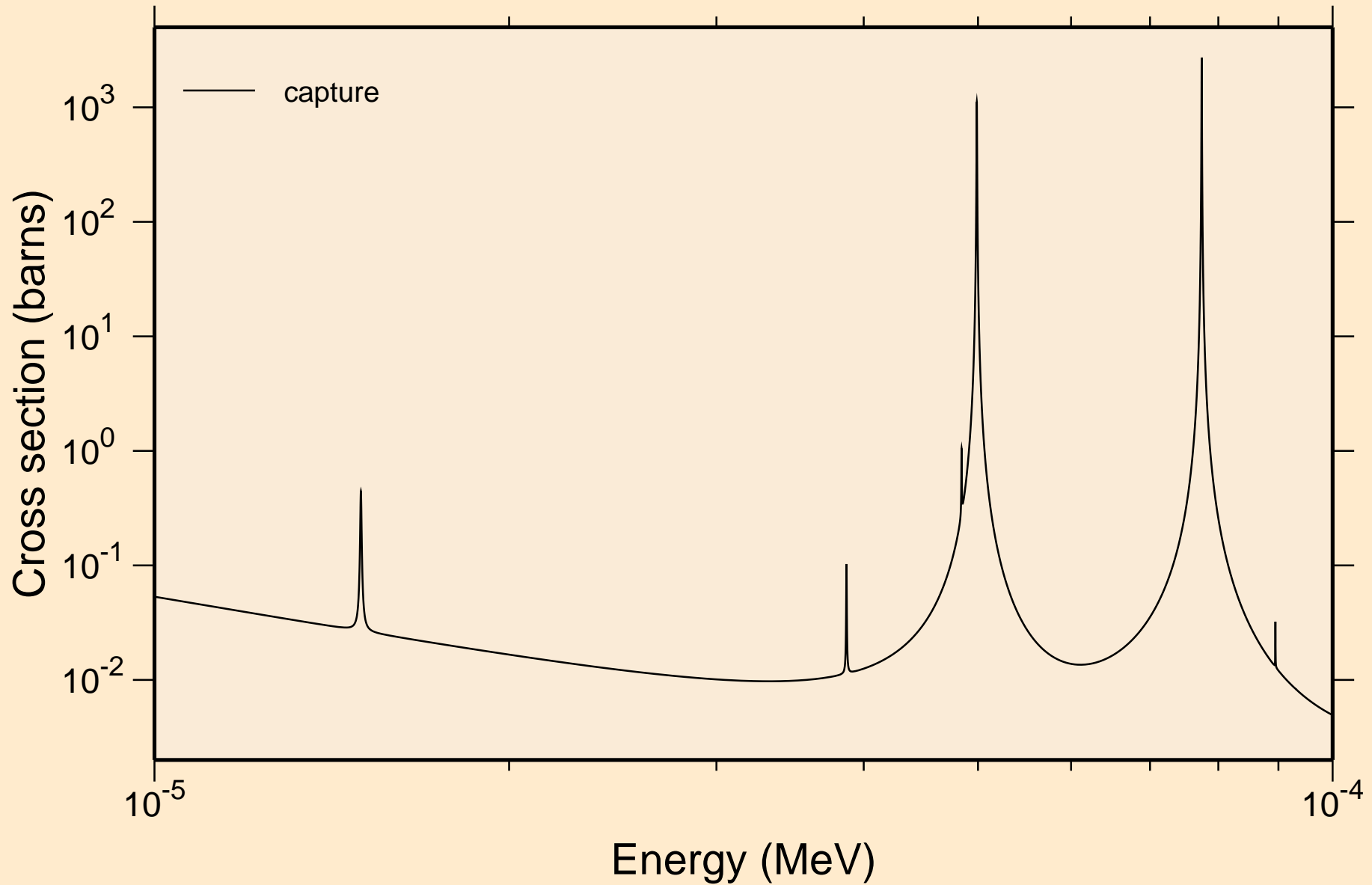
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



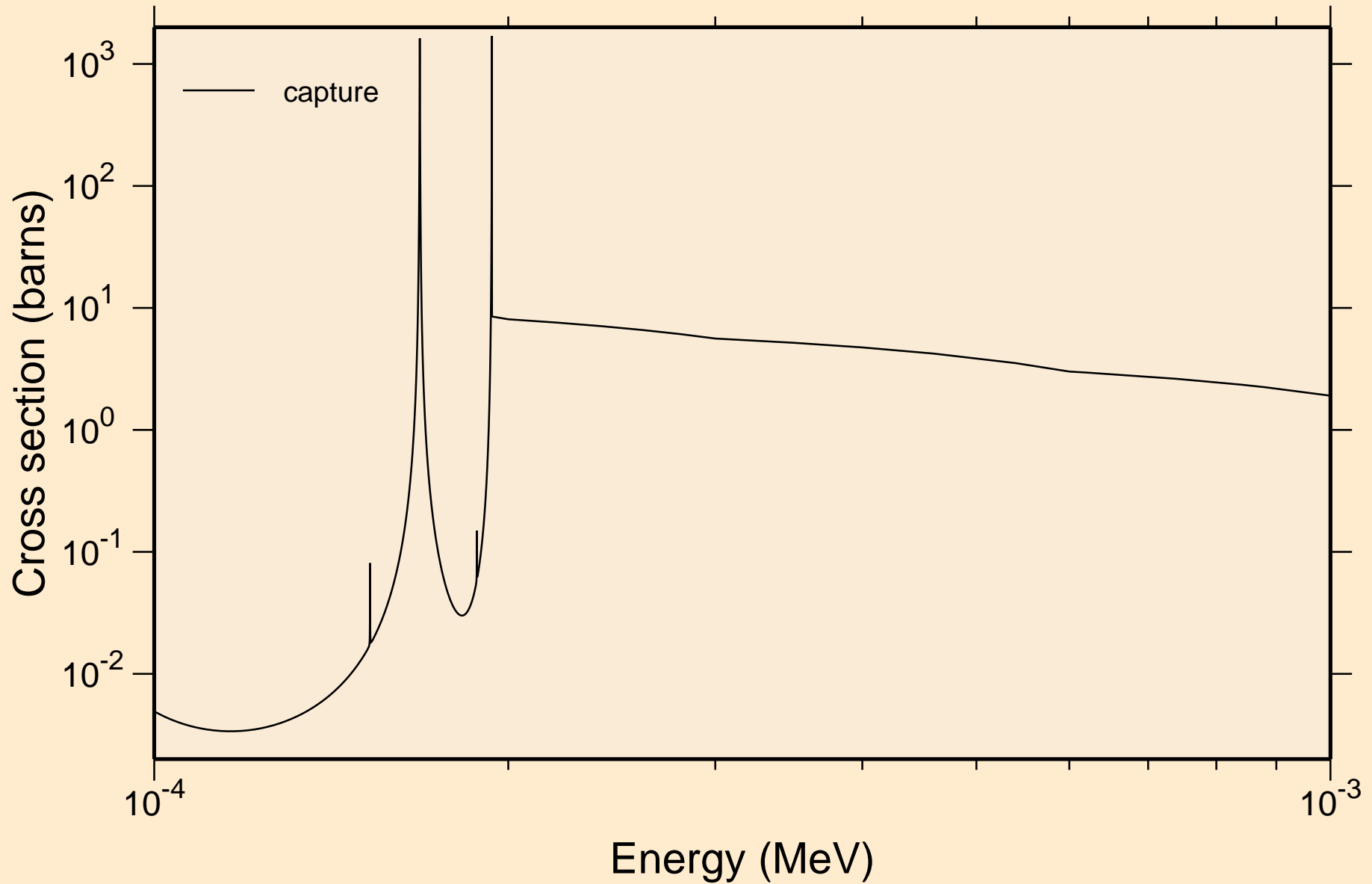
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



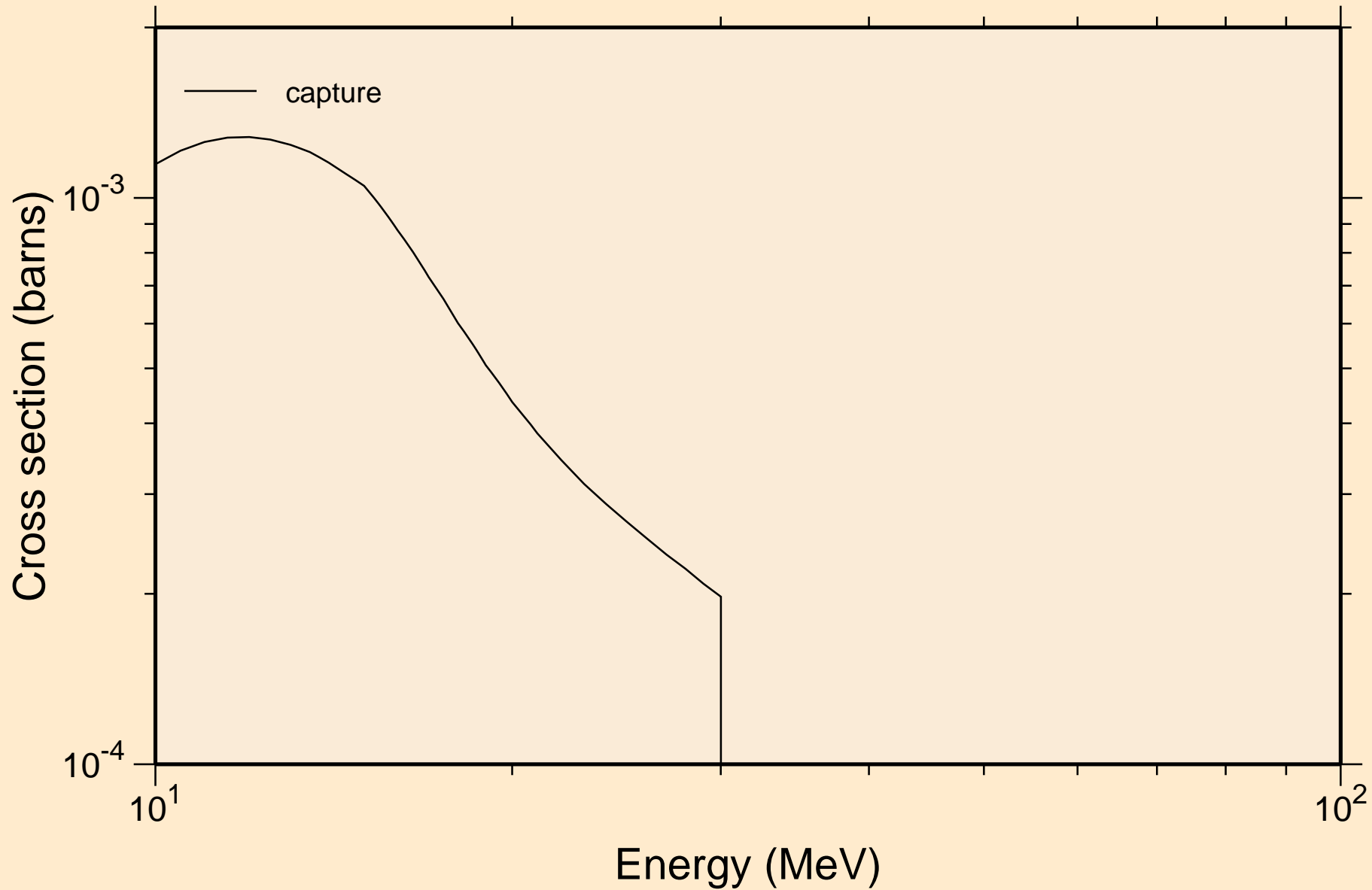
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

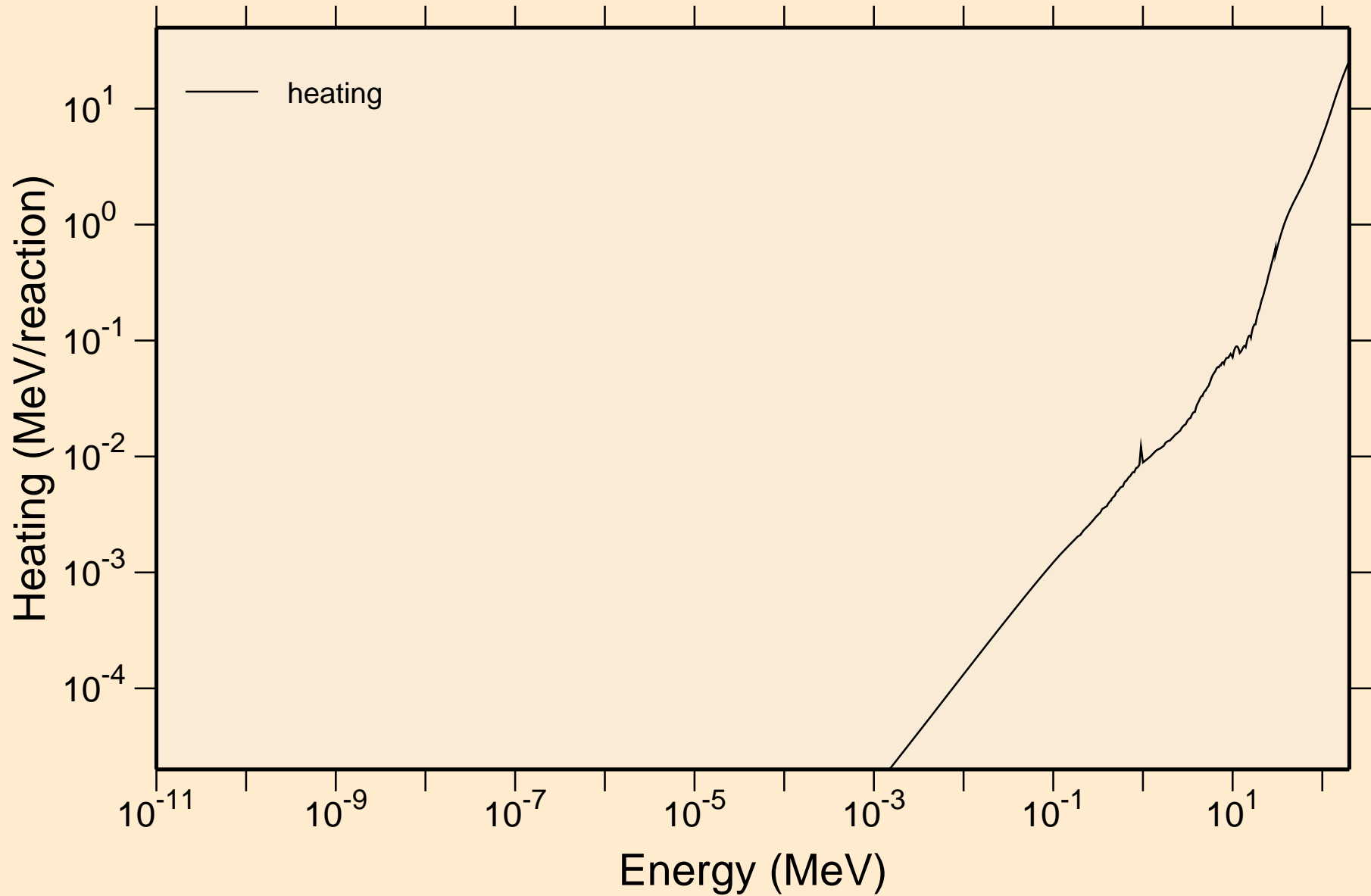


CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



# CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

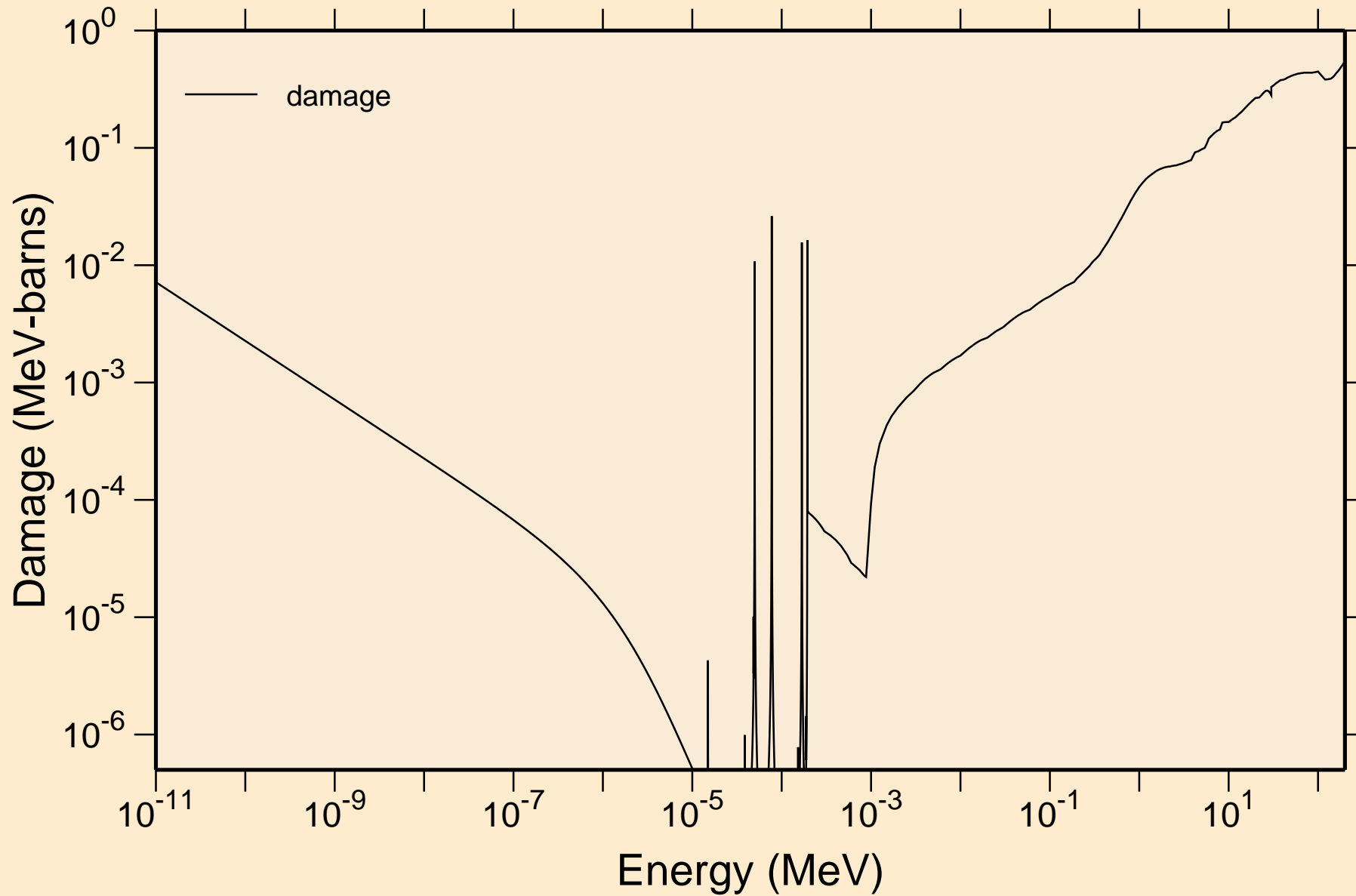
## Heating





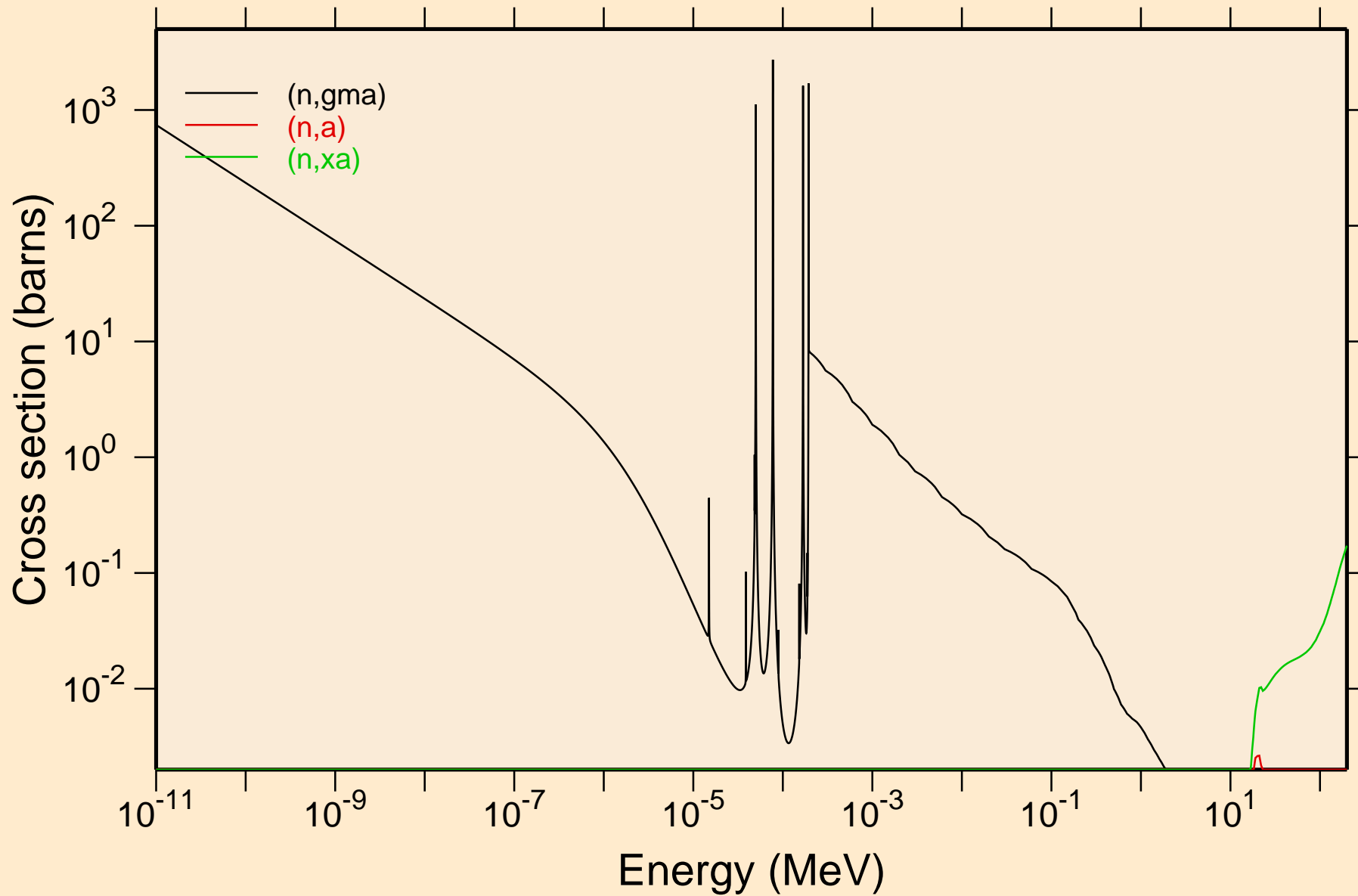
# CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage



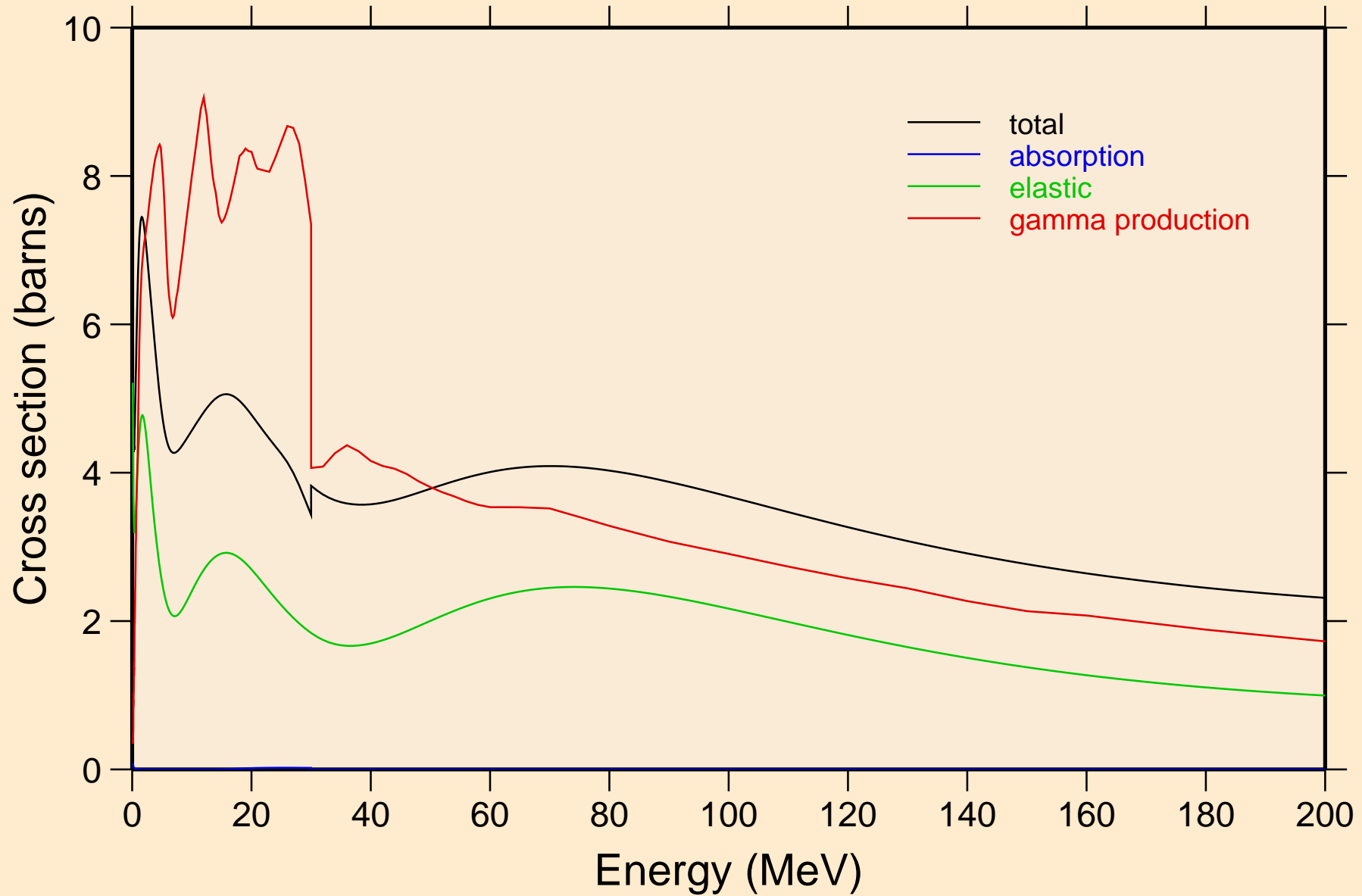
# CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



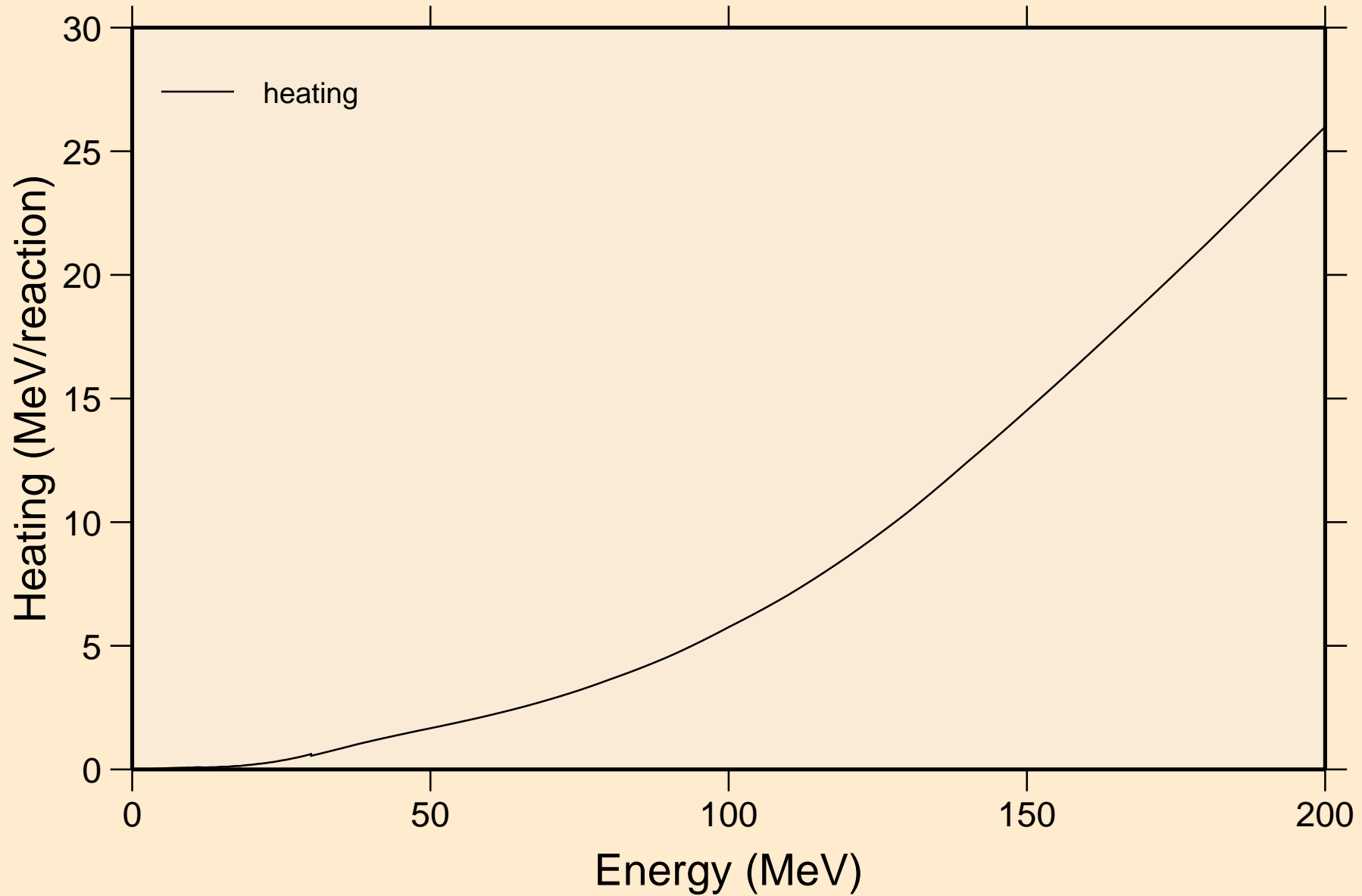
# CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections

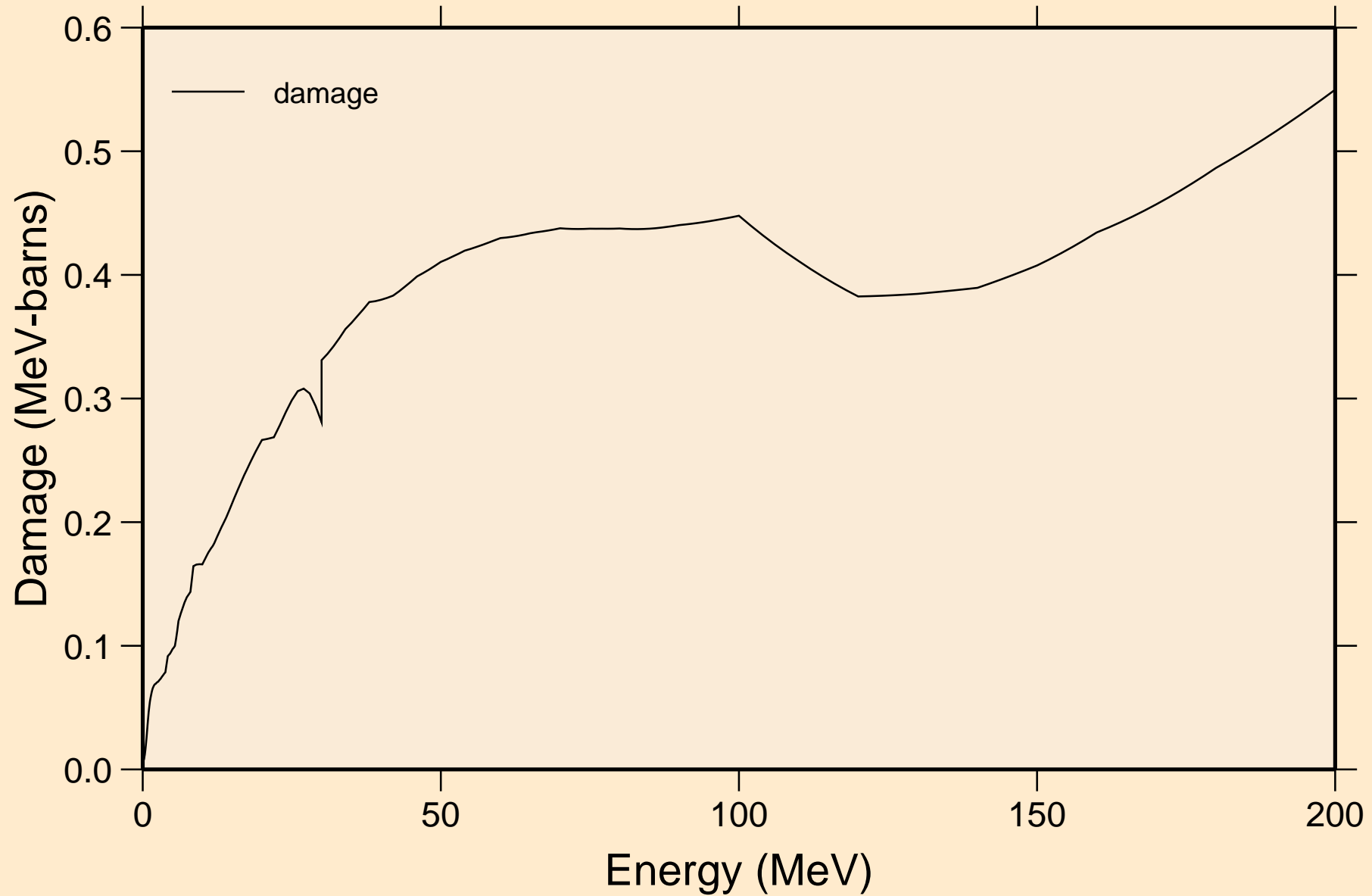


# CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

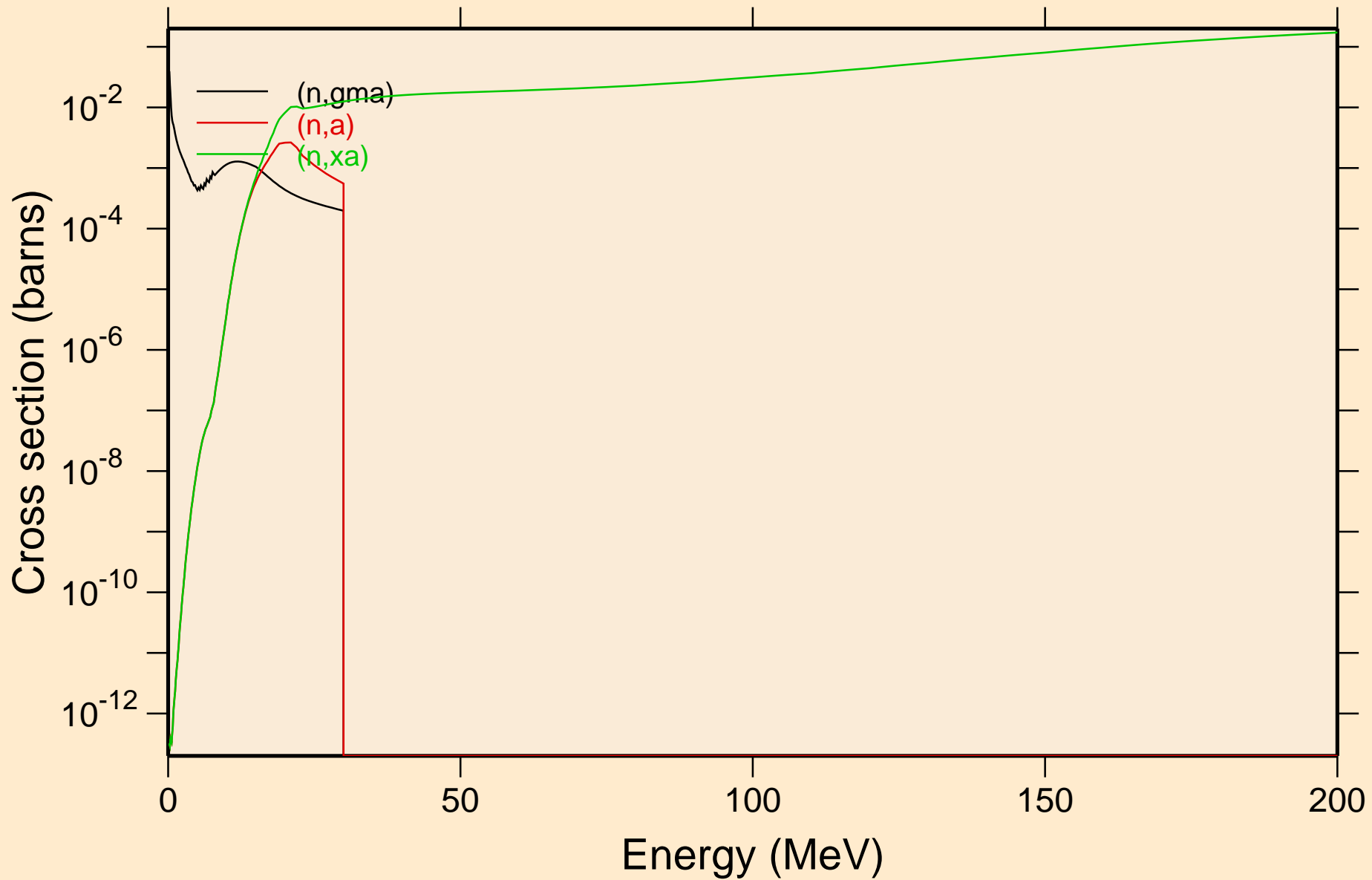


CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage

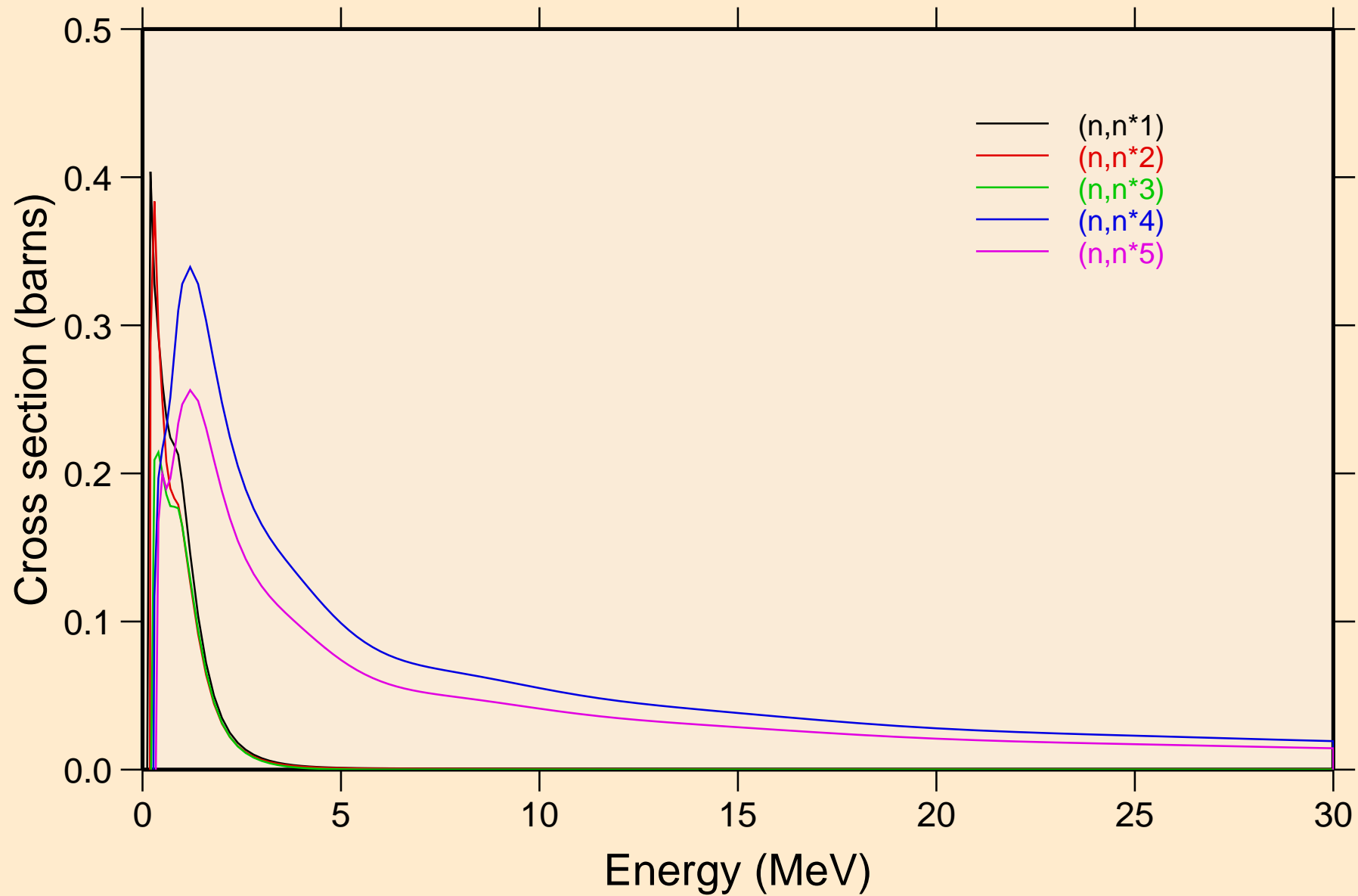


# CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

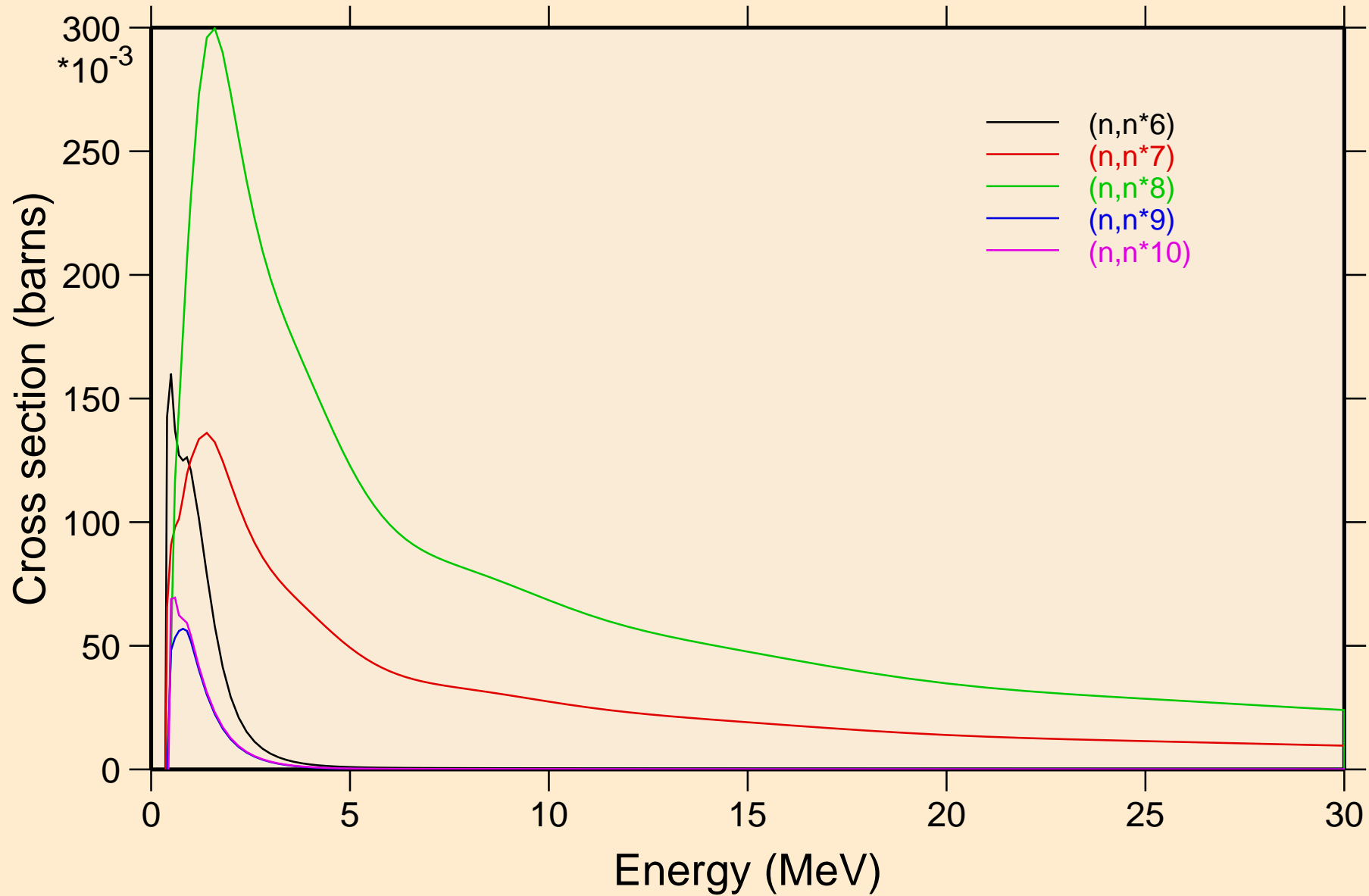


CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



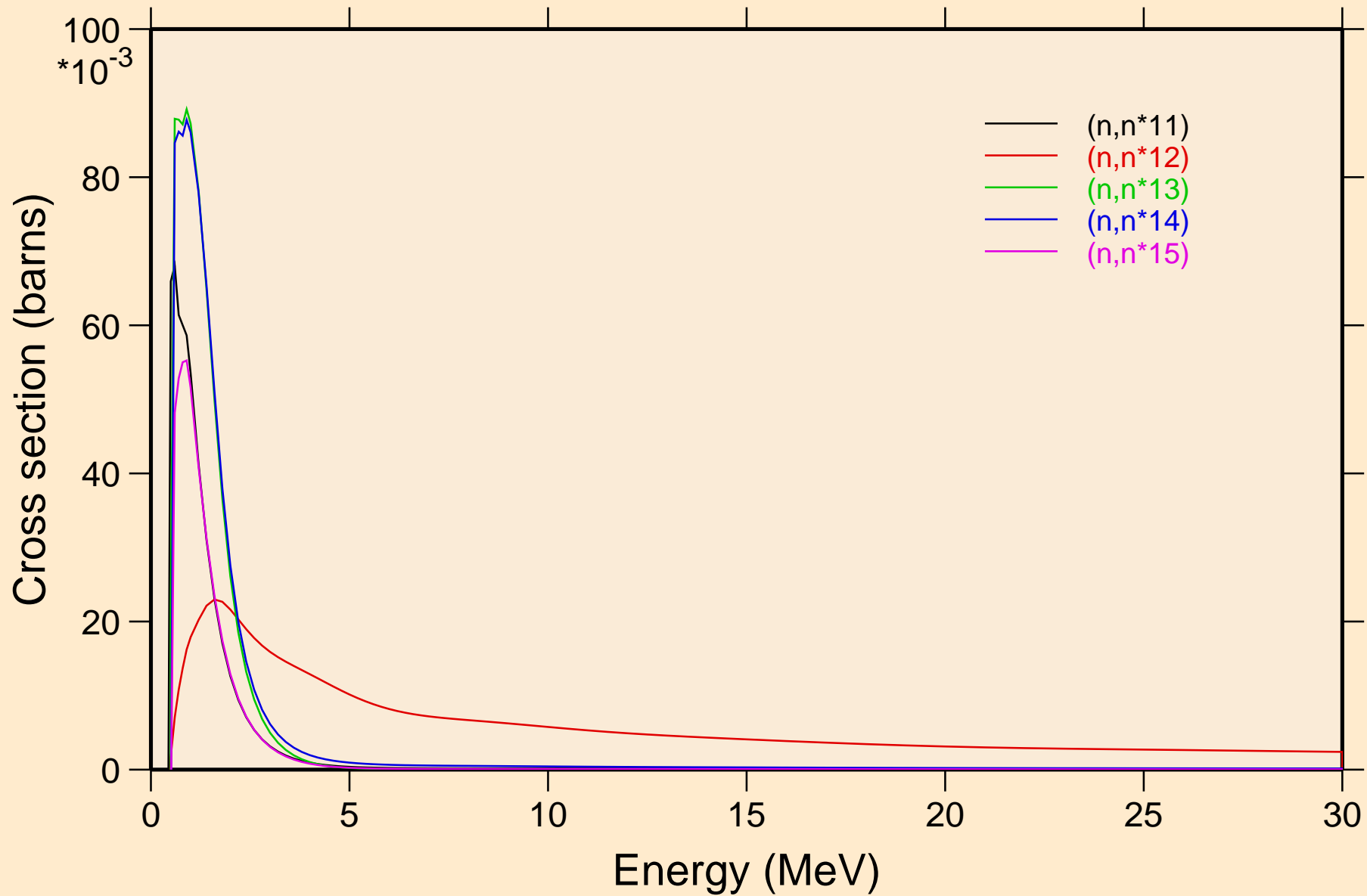
# CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels

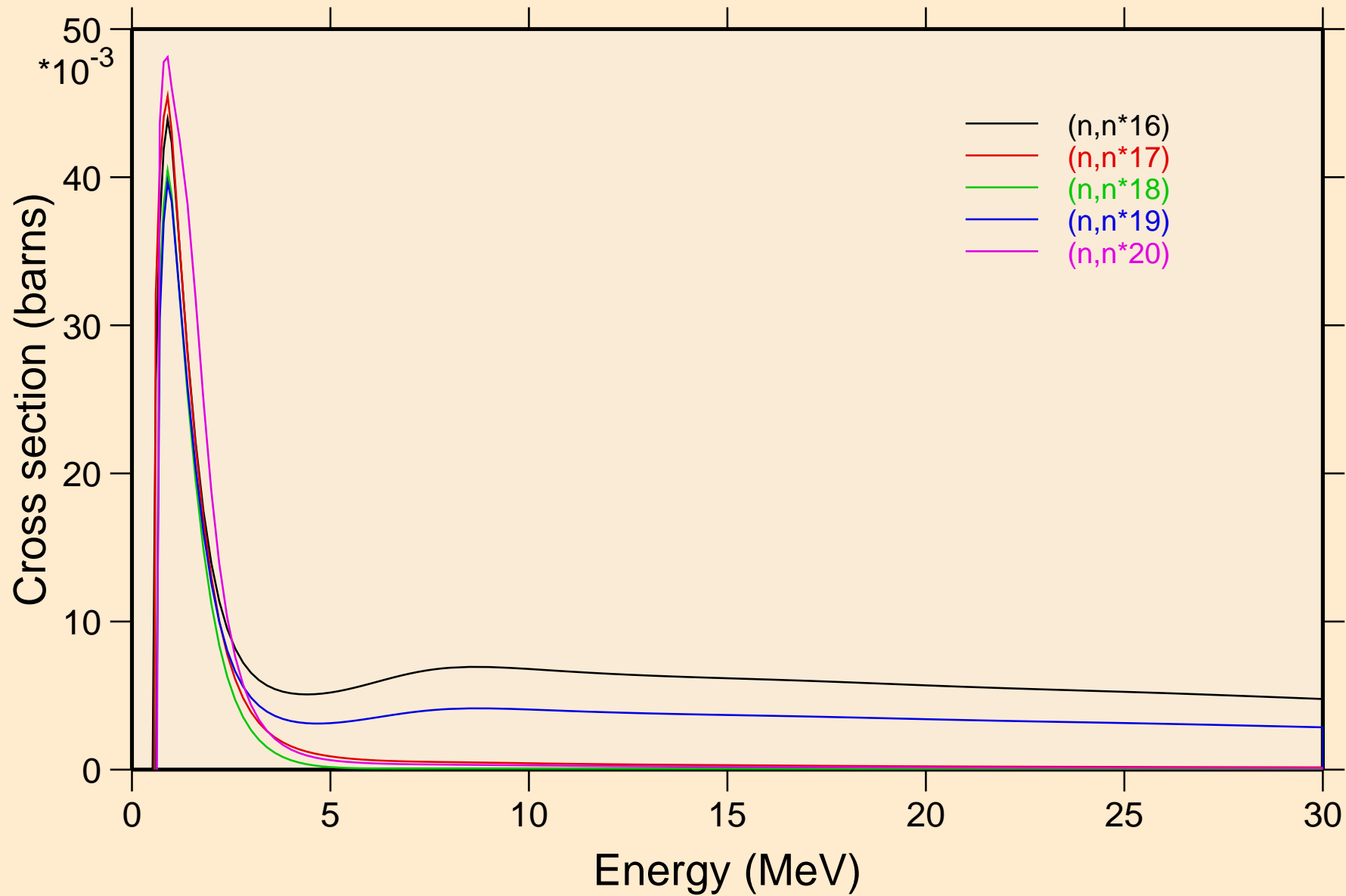




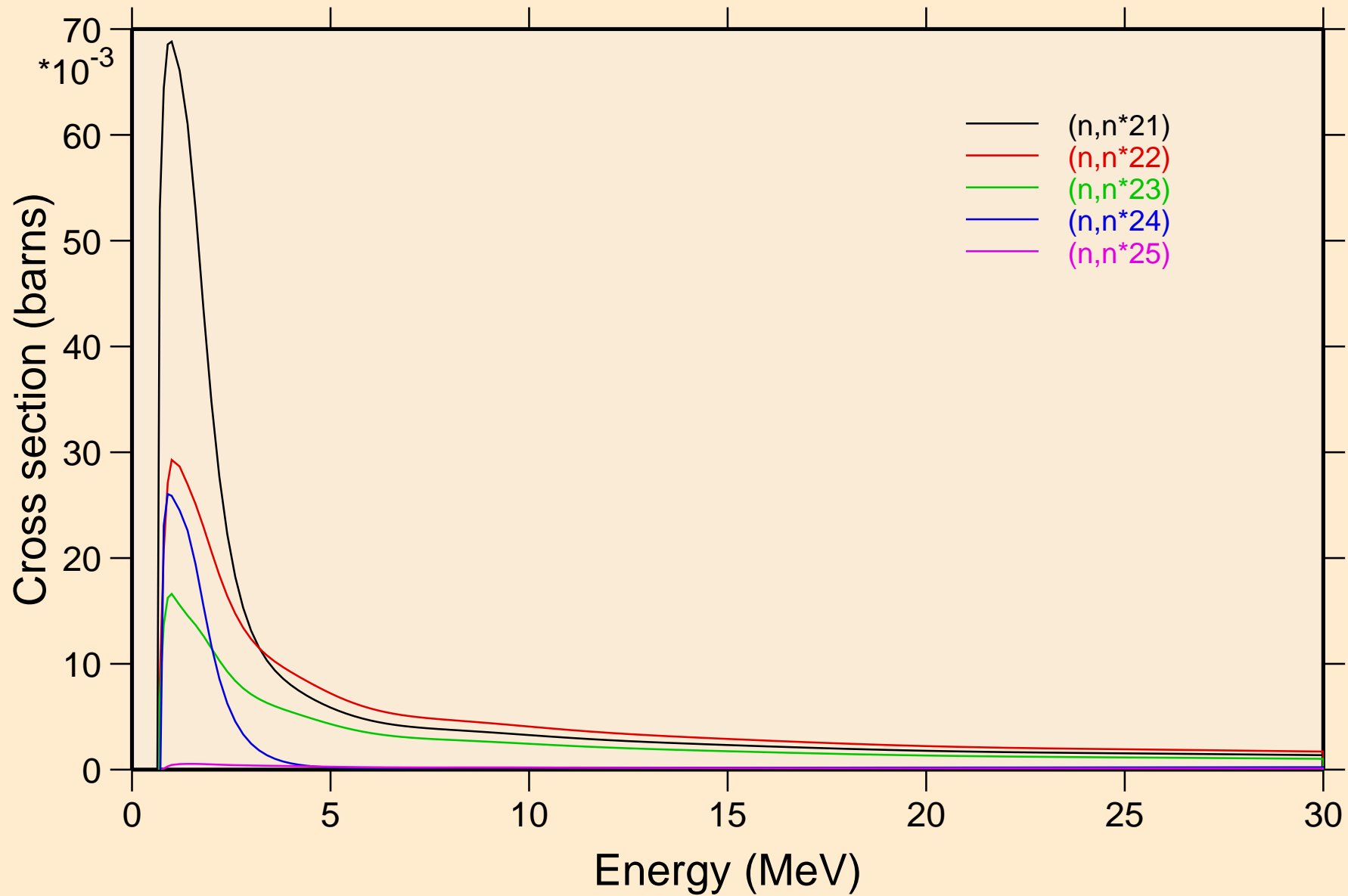
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



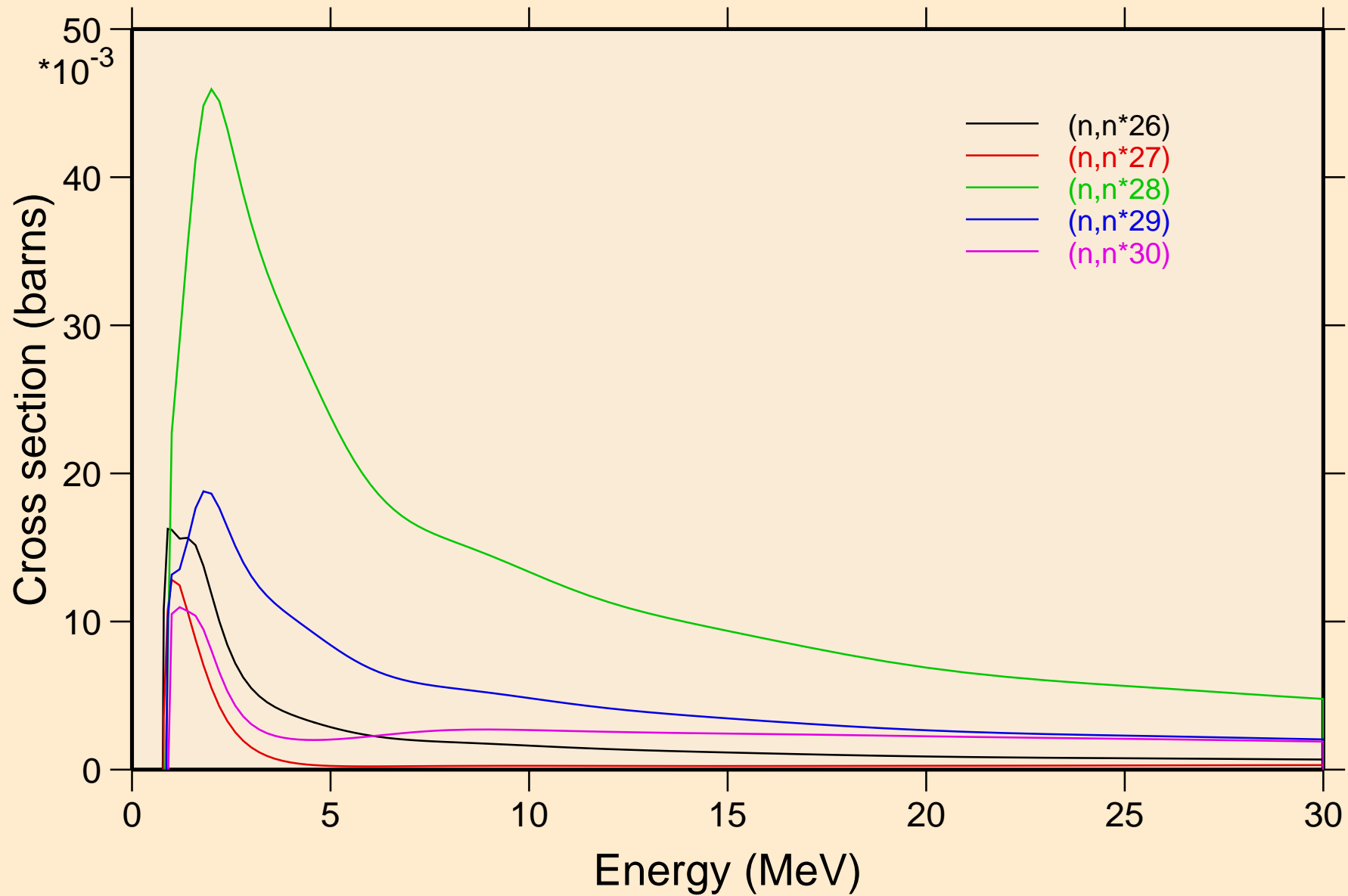
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



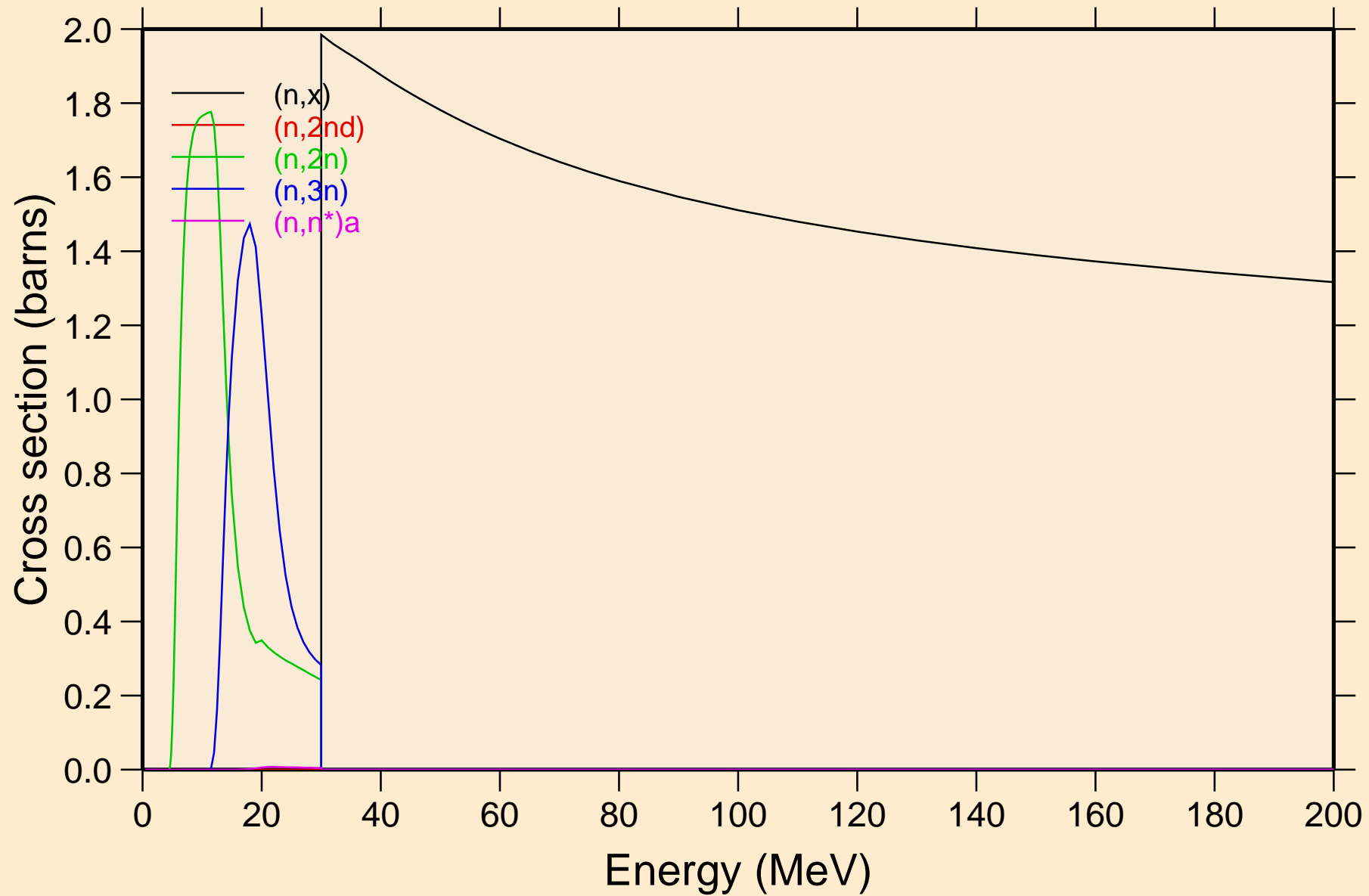
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

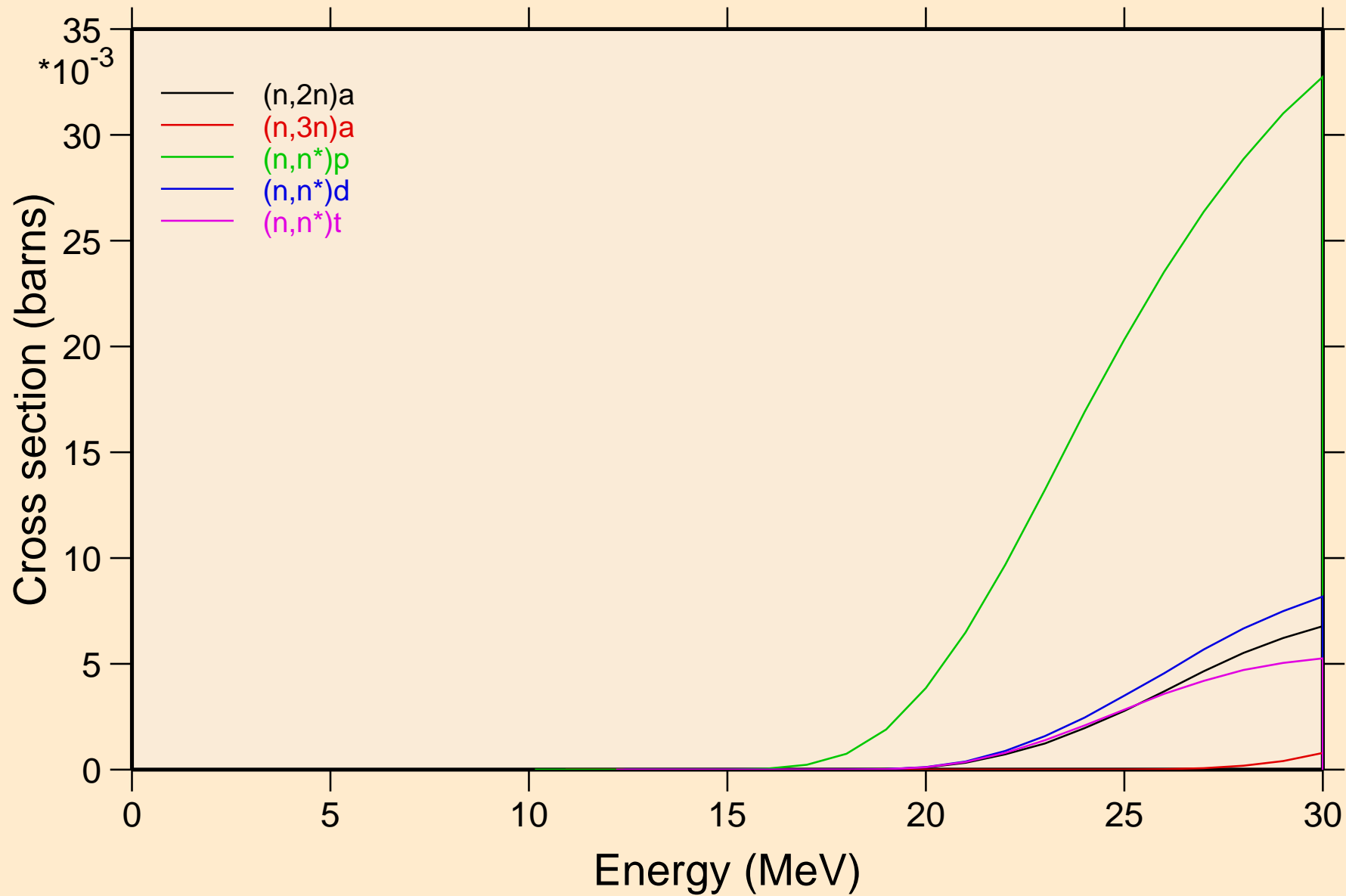


CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

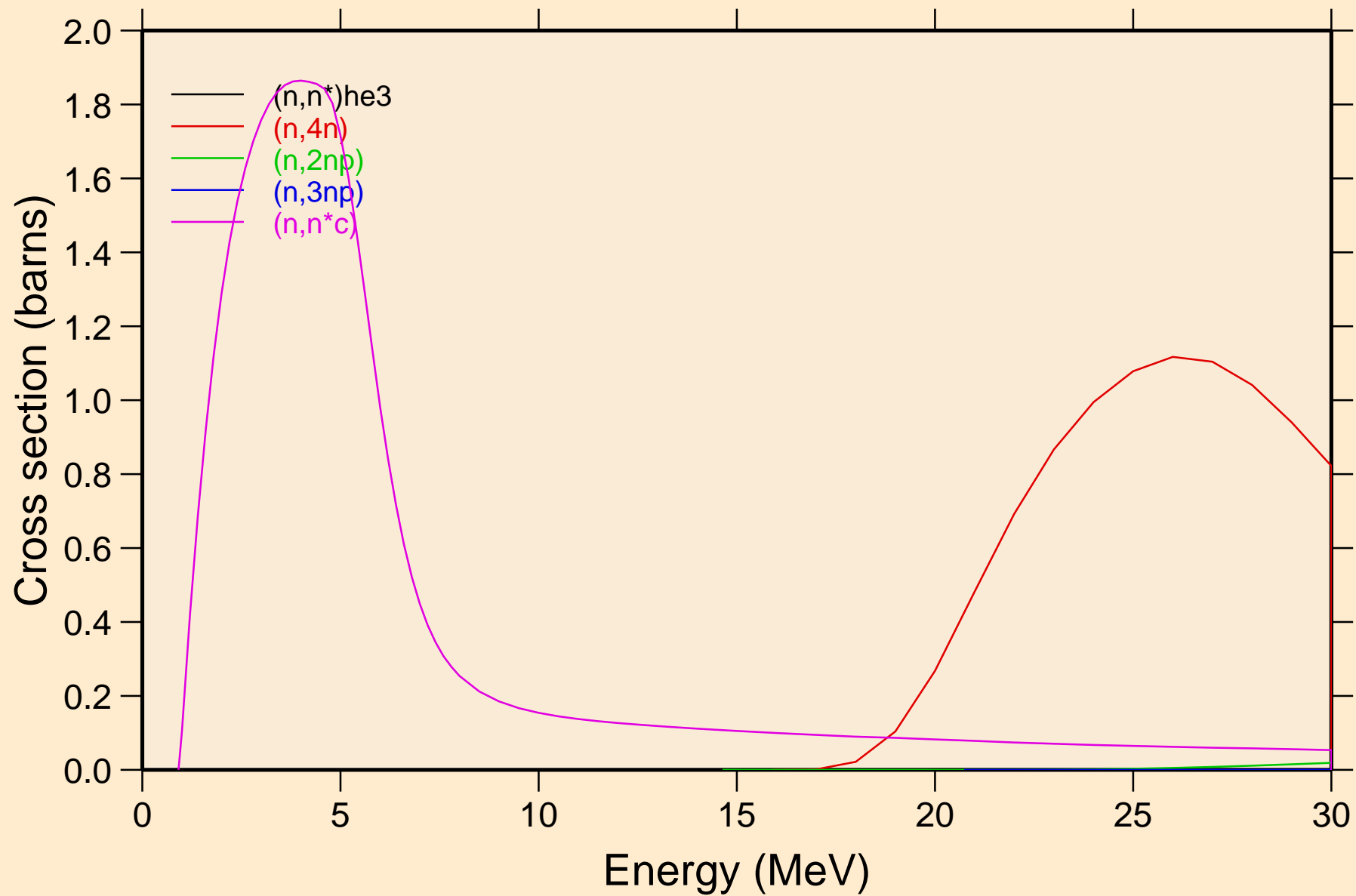


# CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

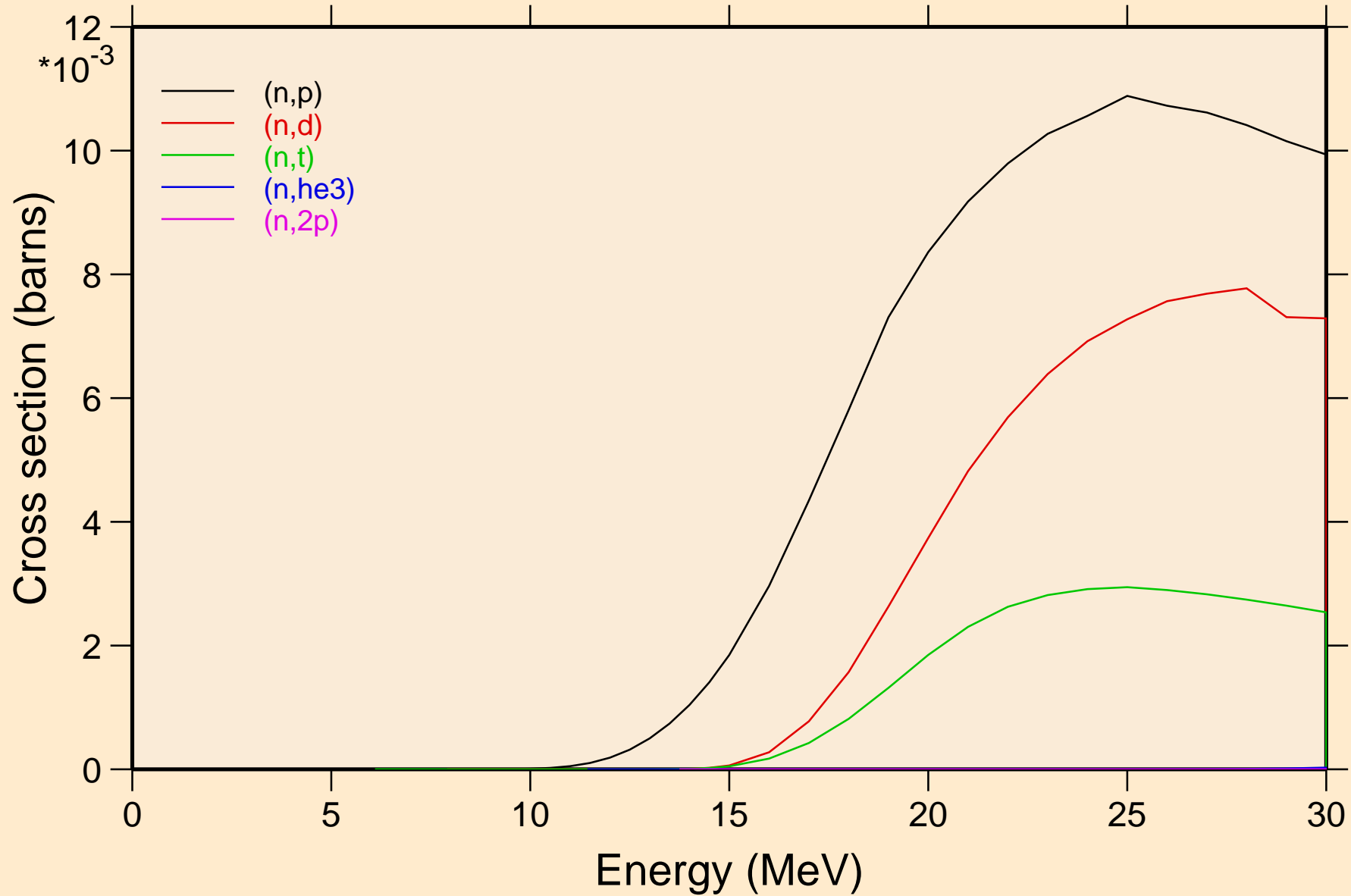
## Threshold reactions



CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



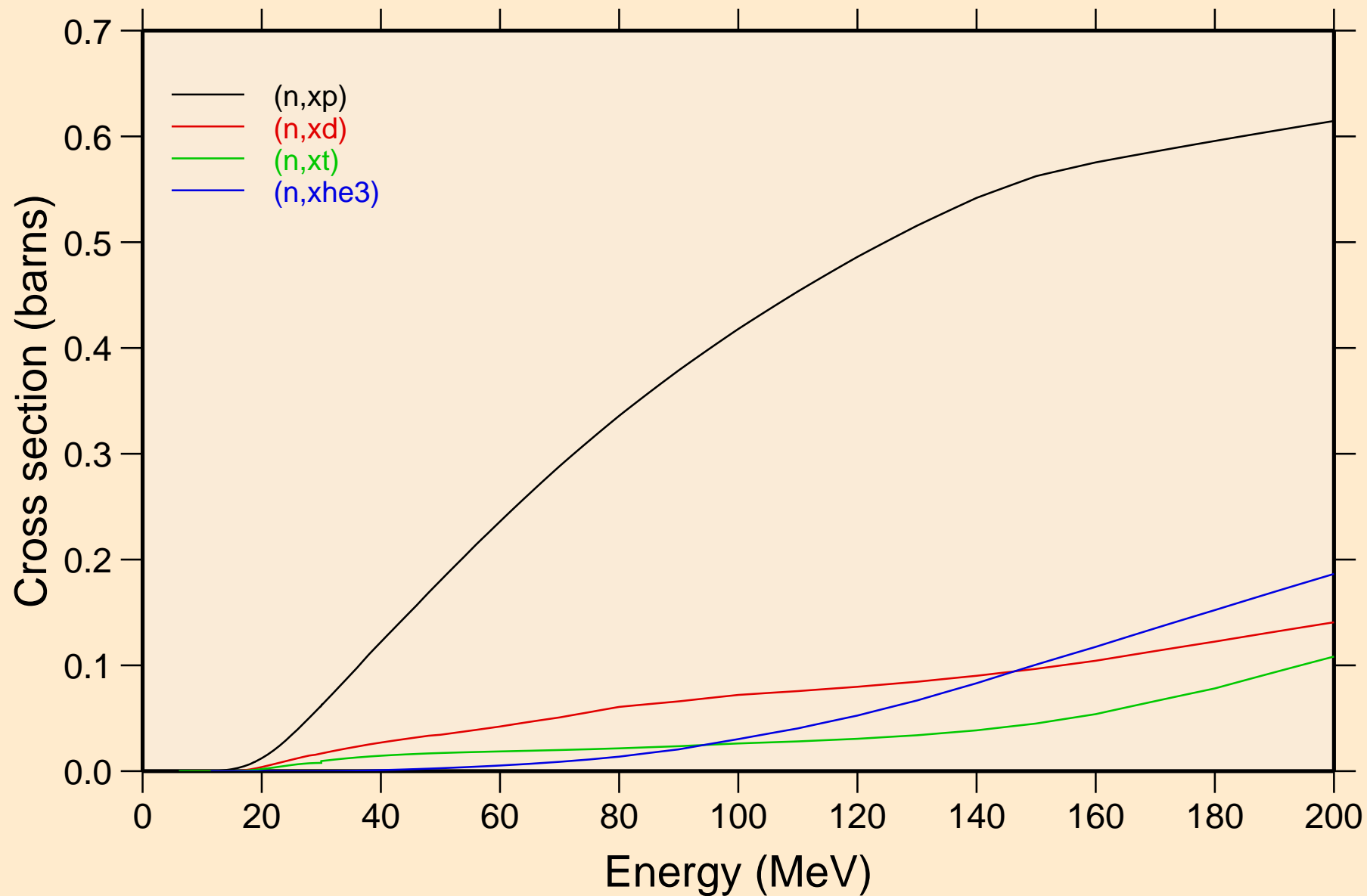
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



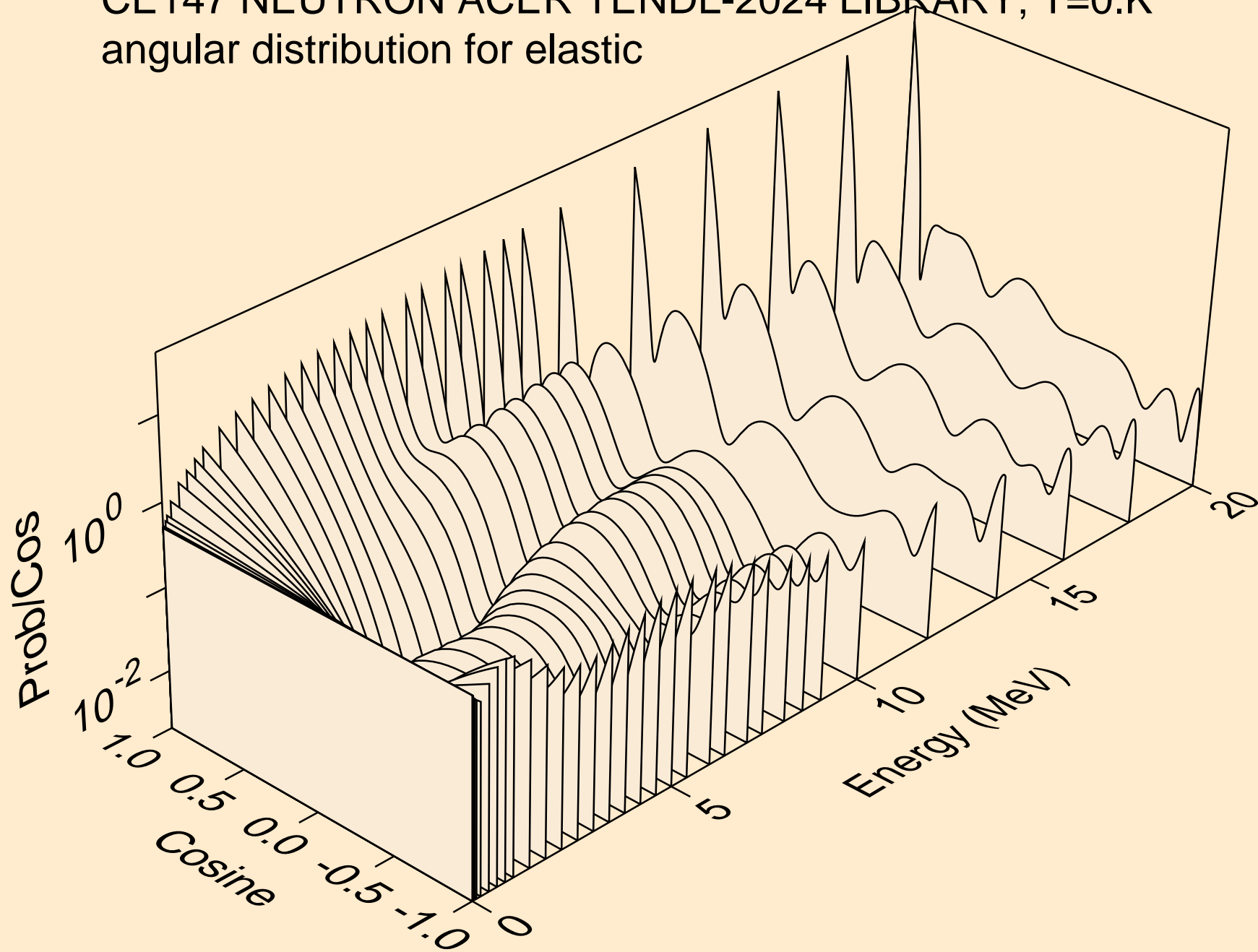


# CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

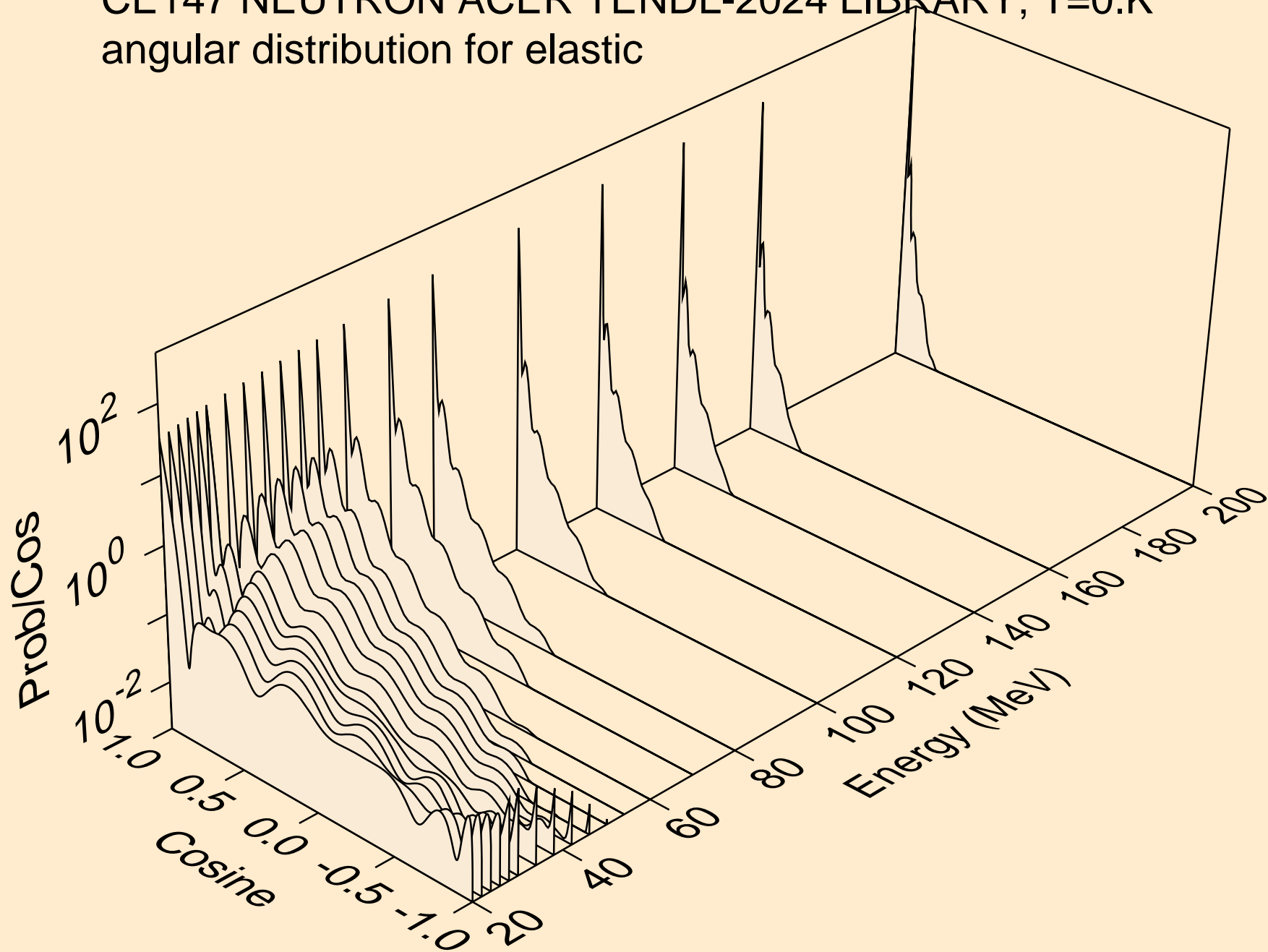
## Threshold reactions



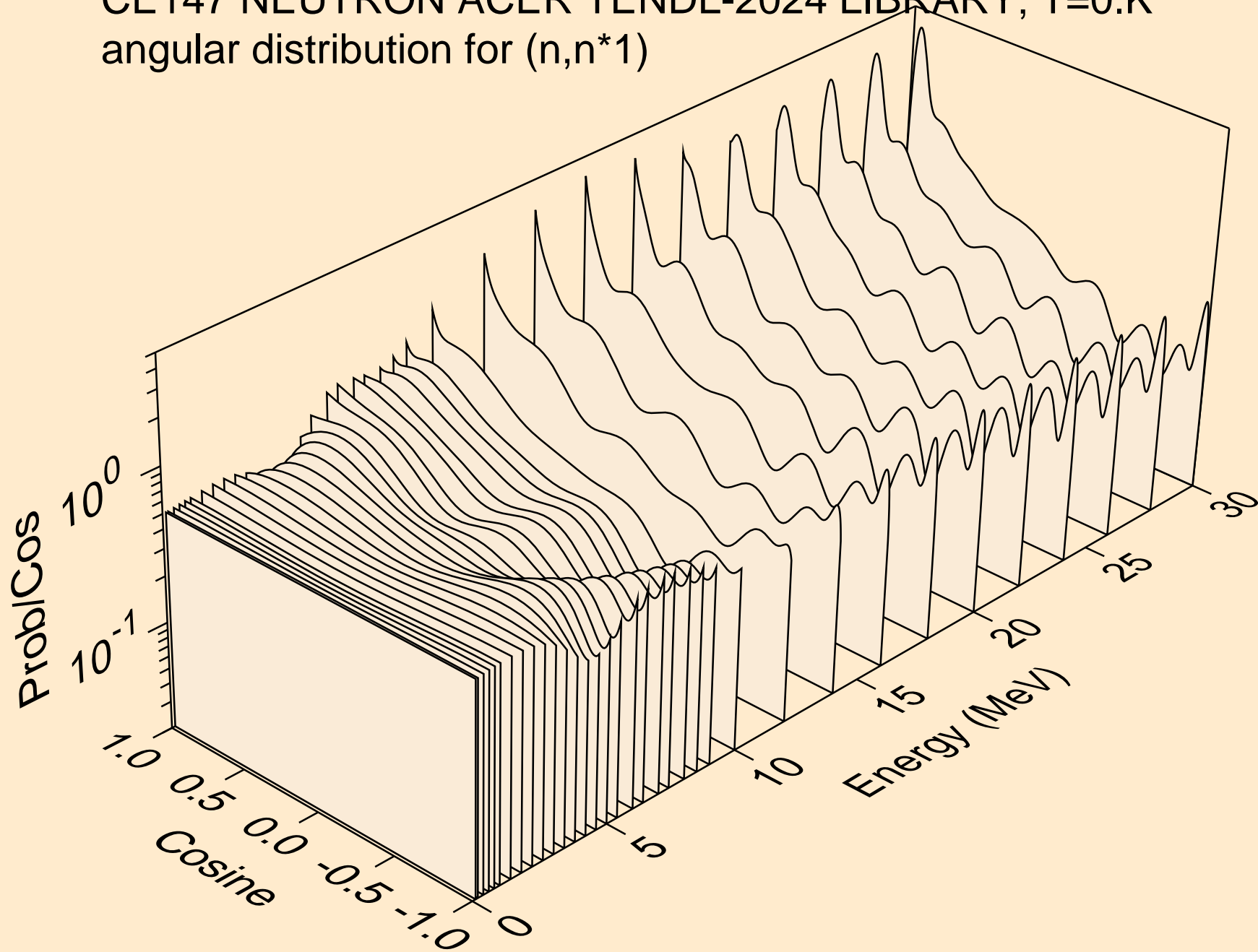
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



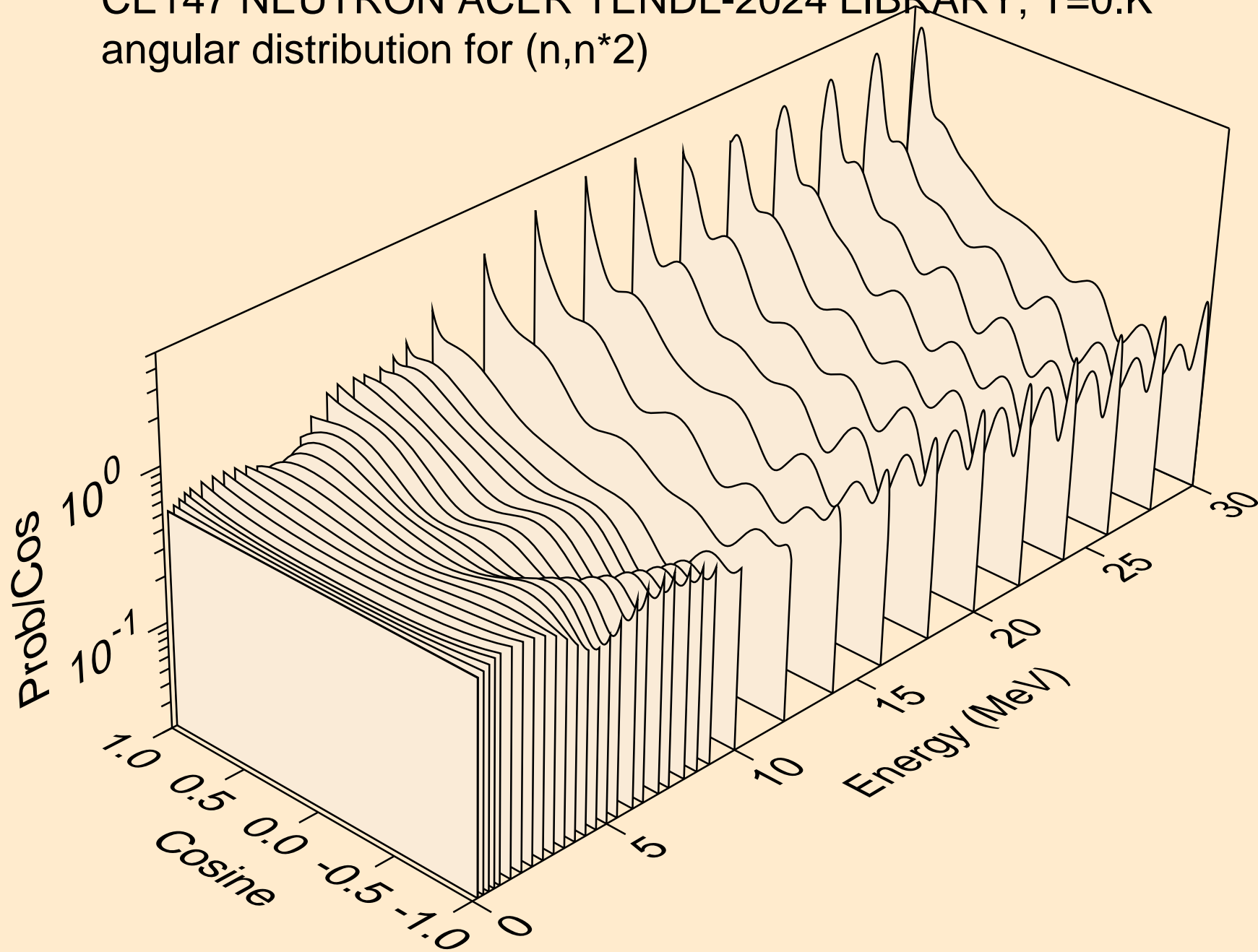
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



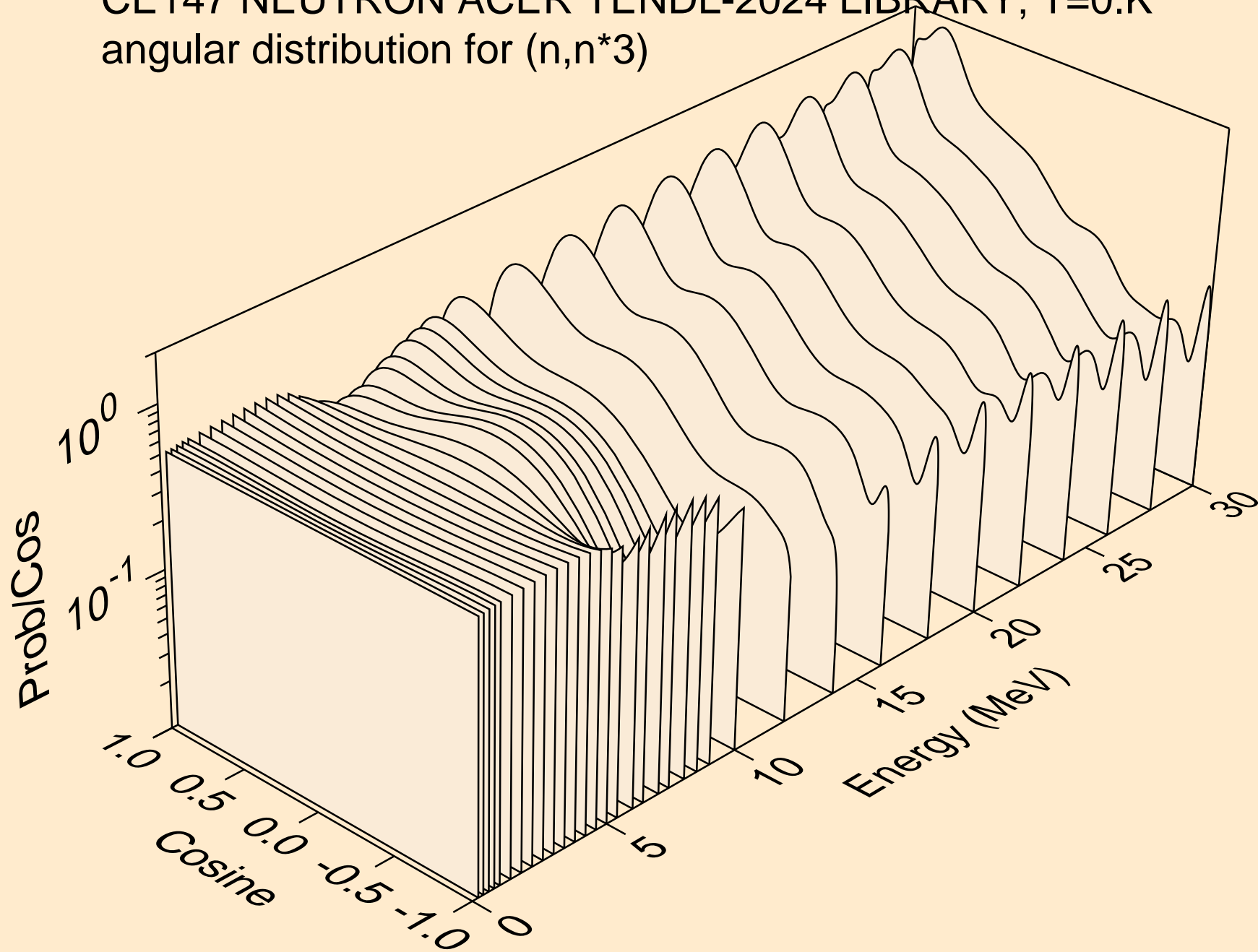
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



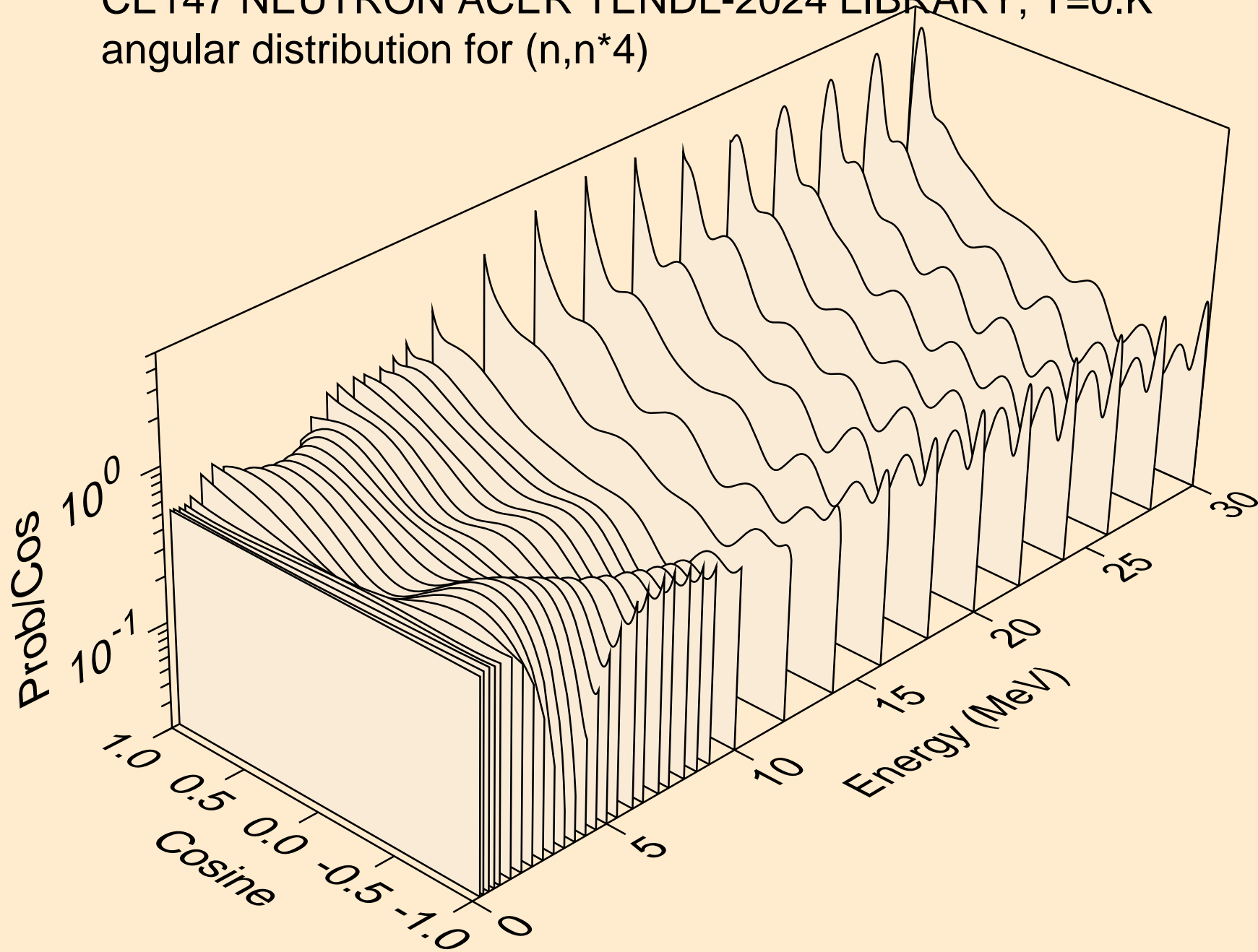
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



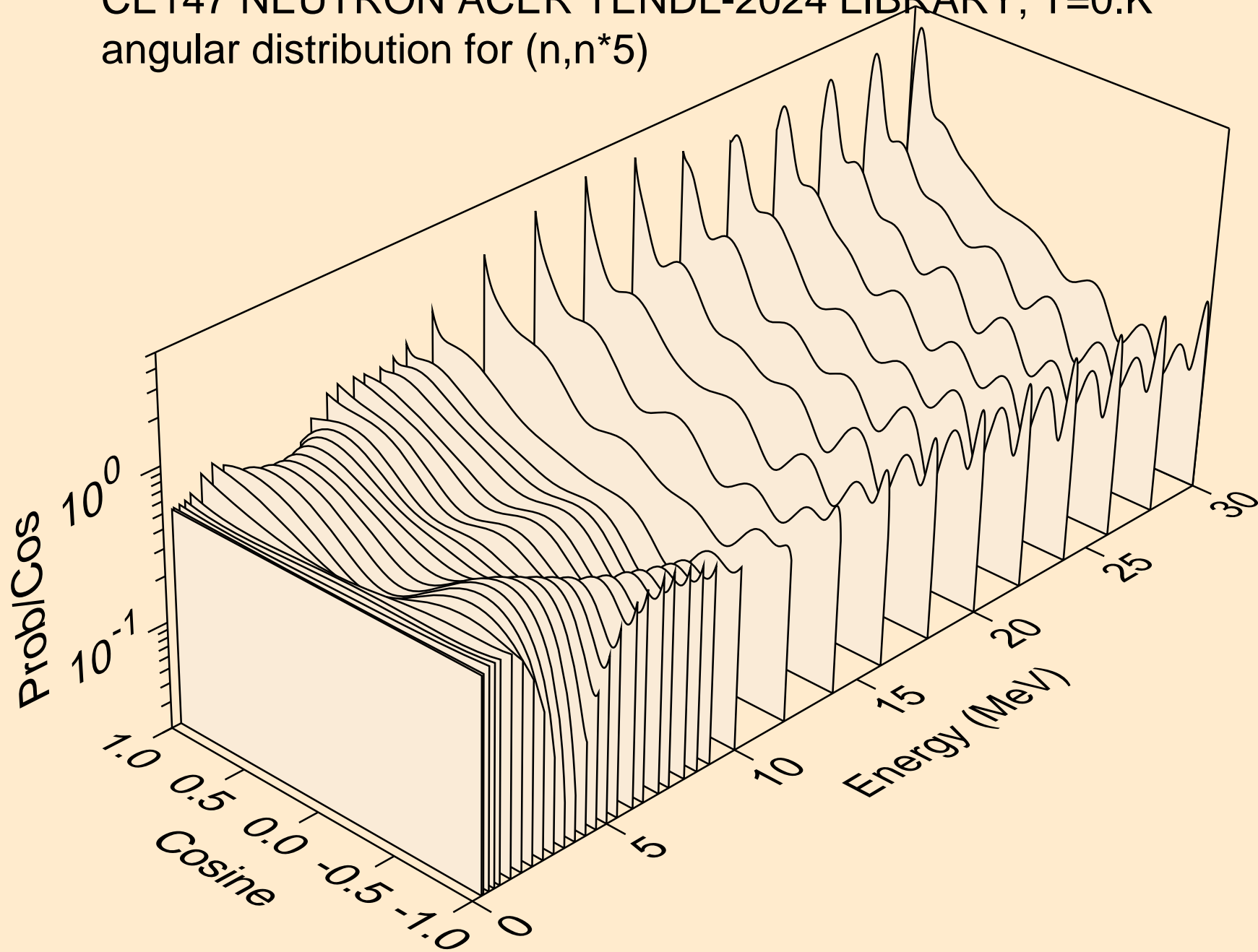
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)

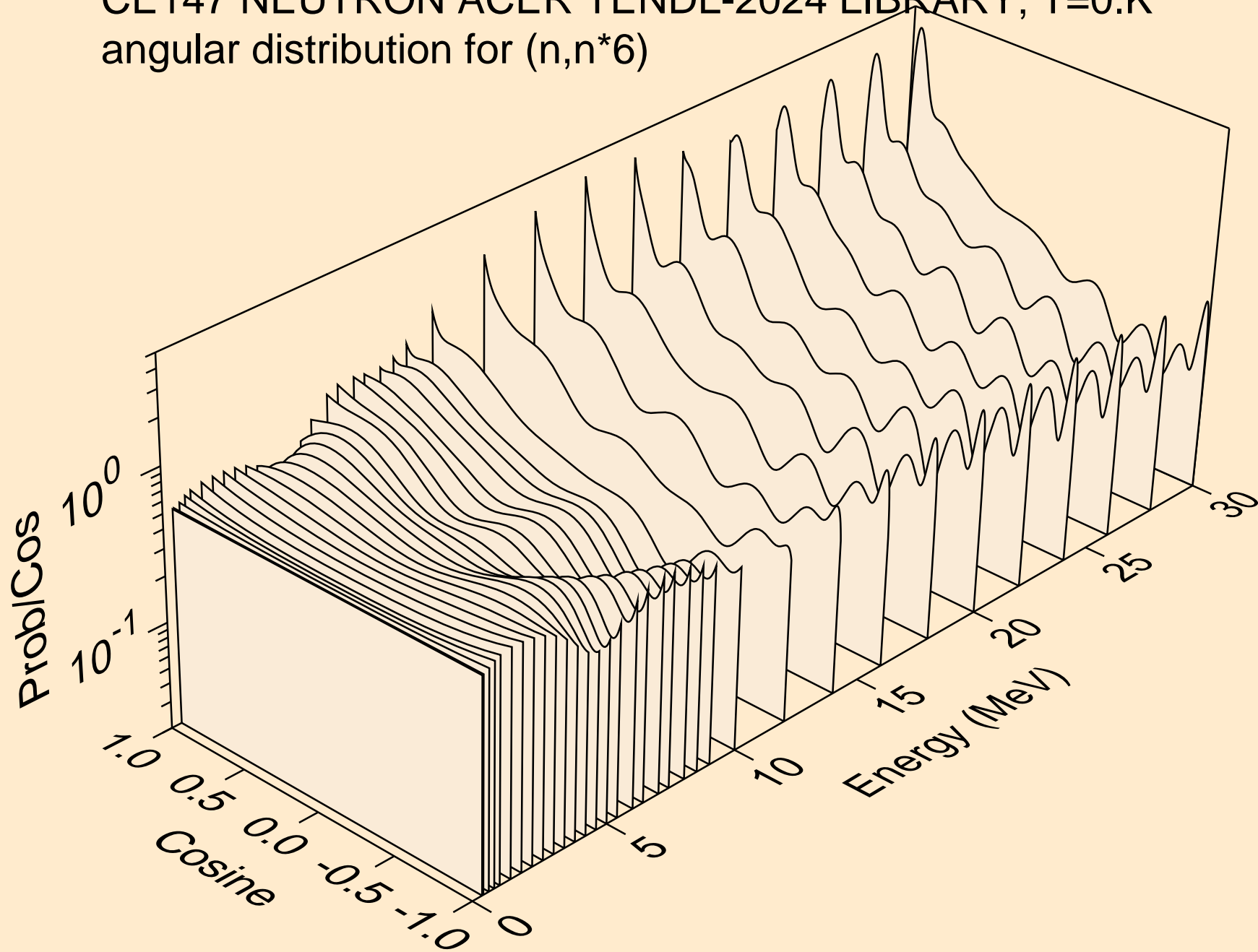


CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)

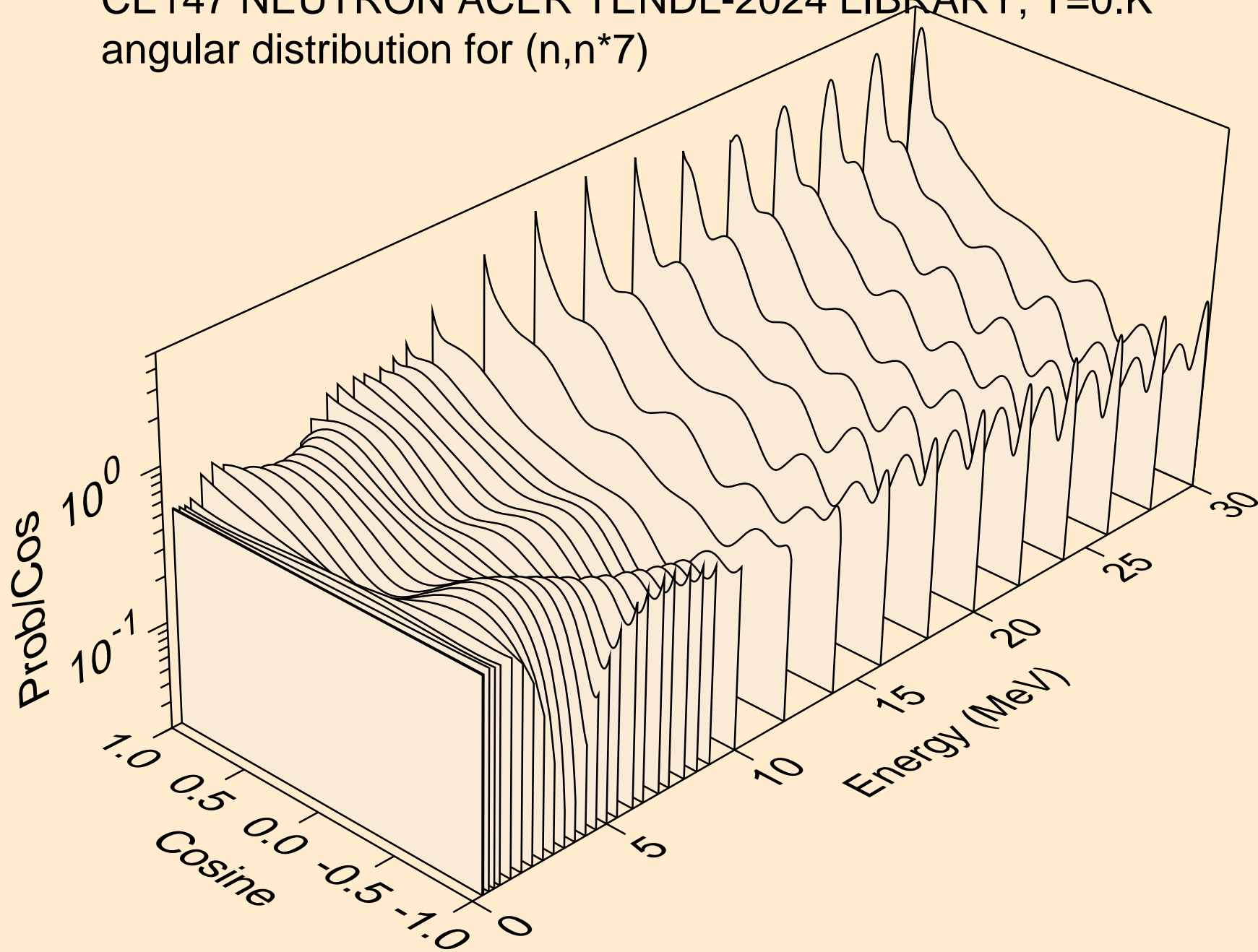




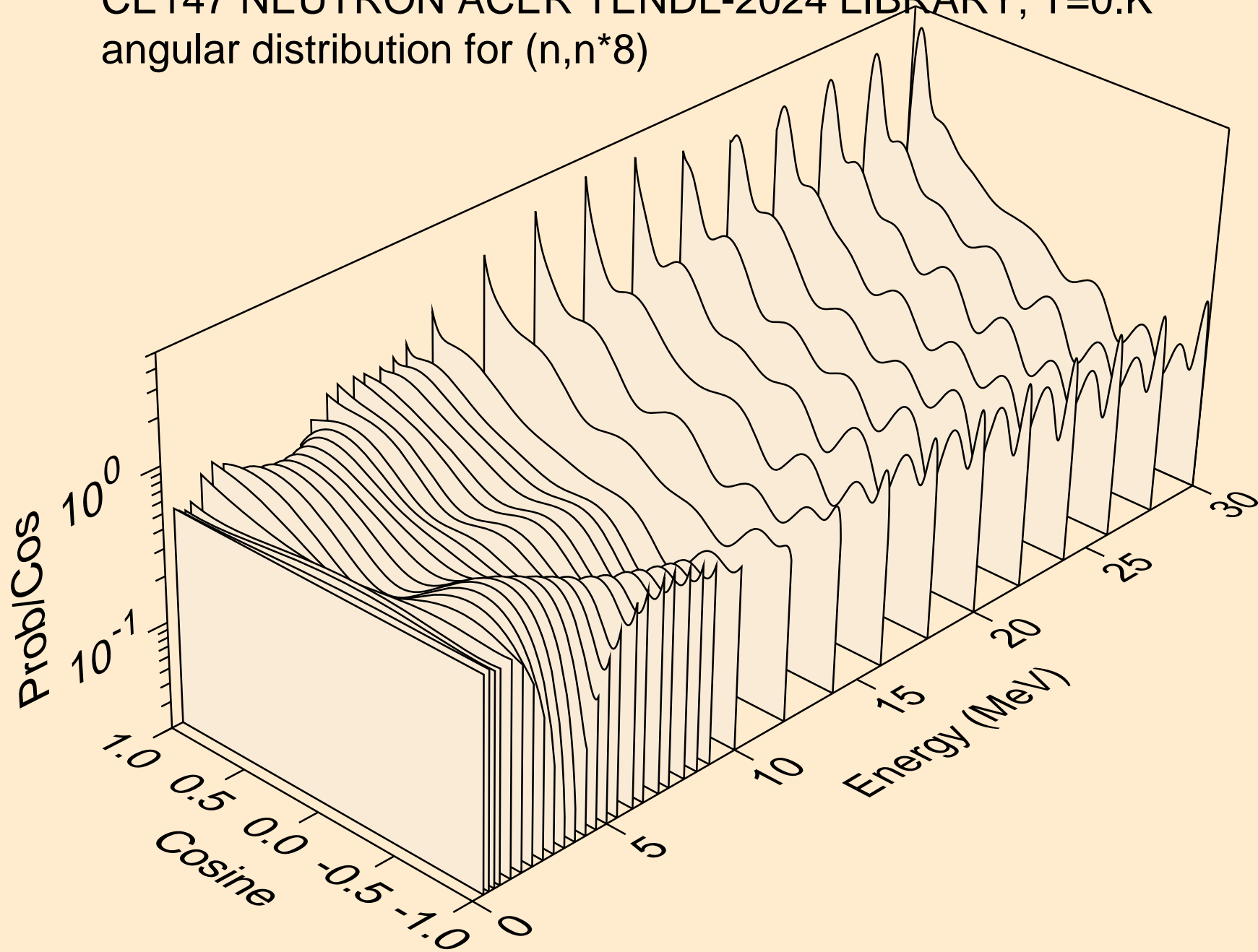
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



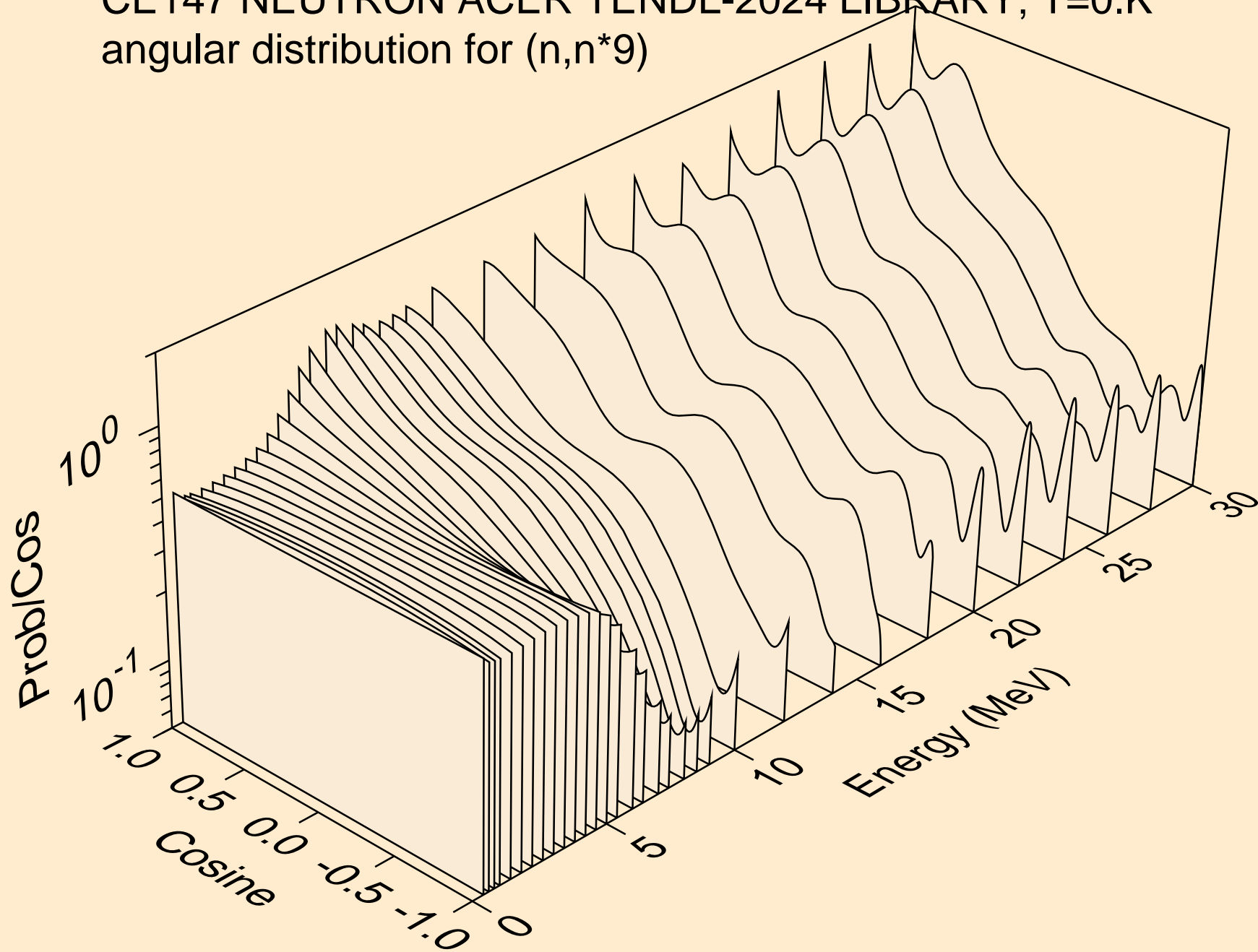
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



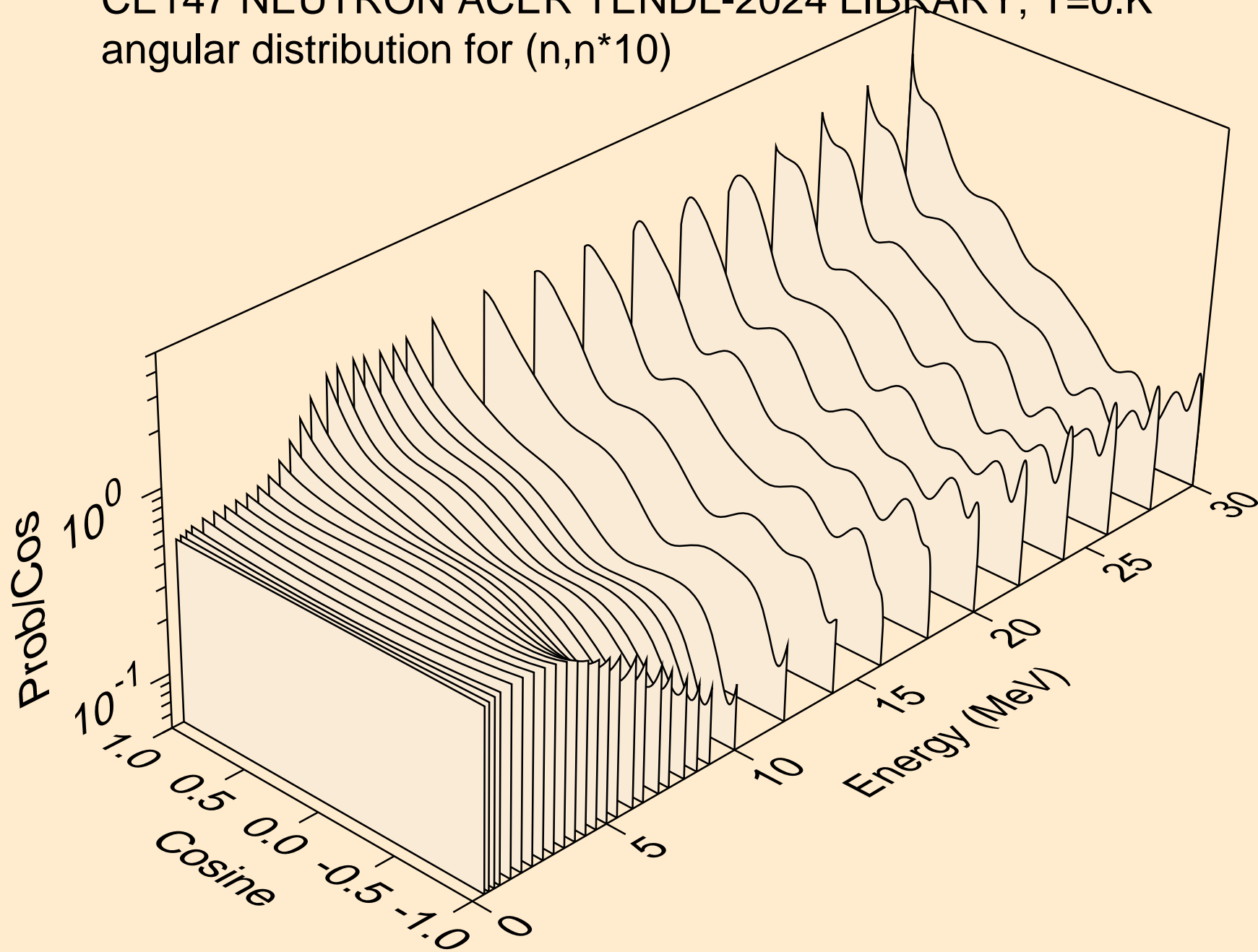
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



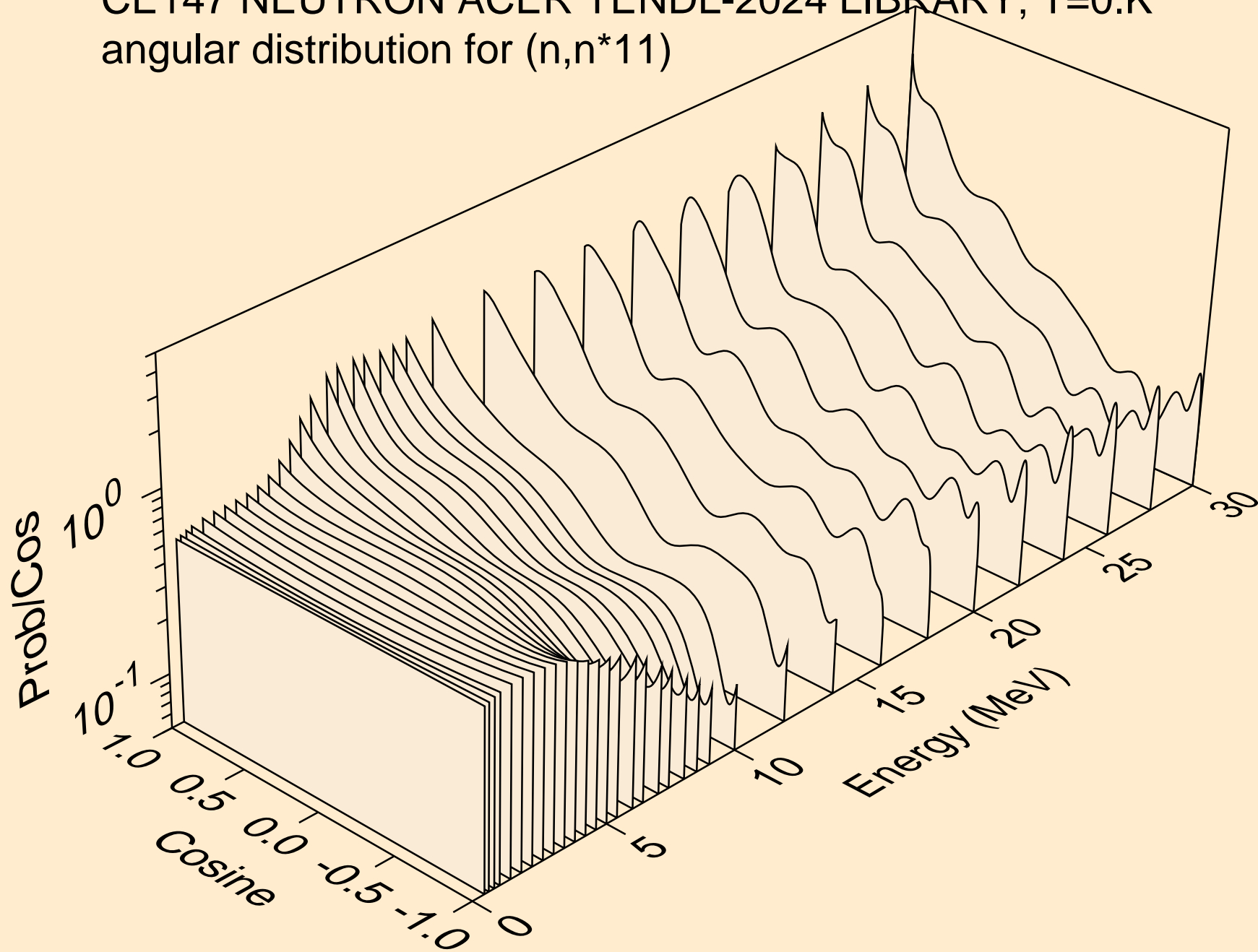
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



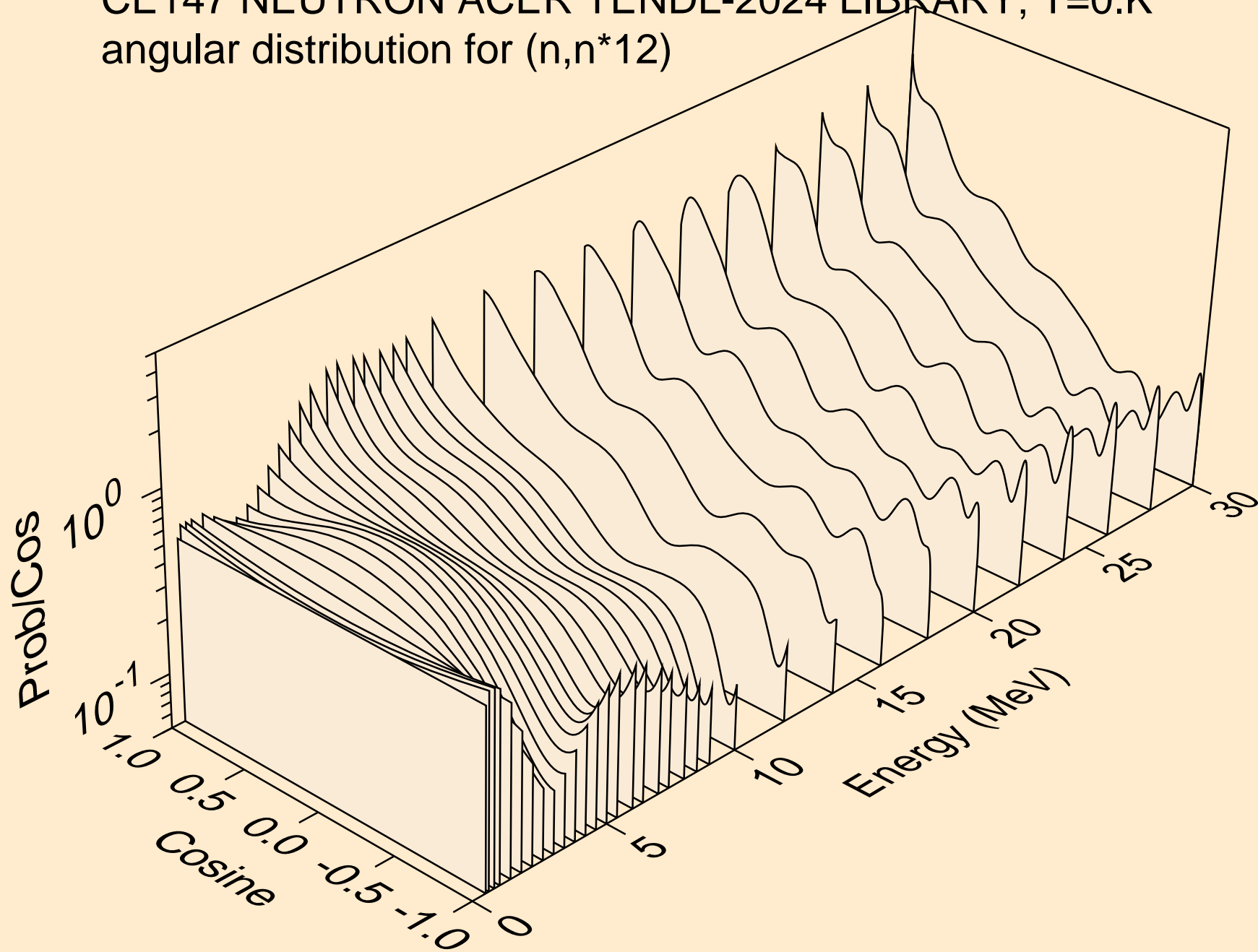
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



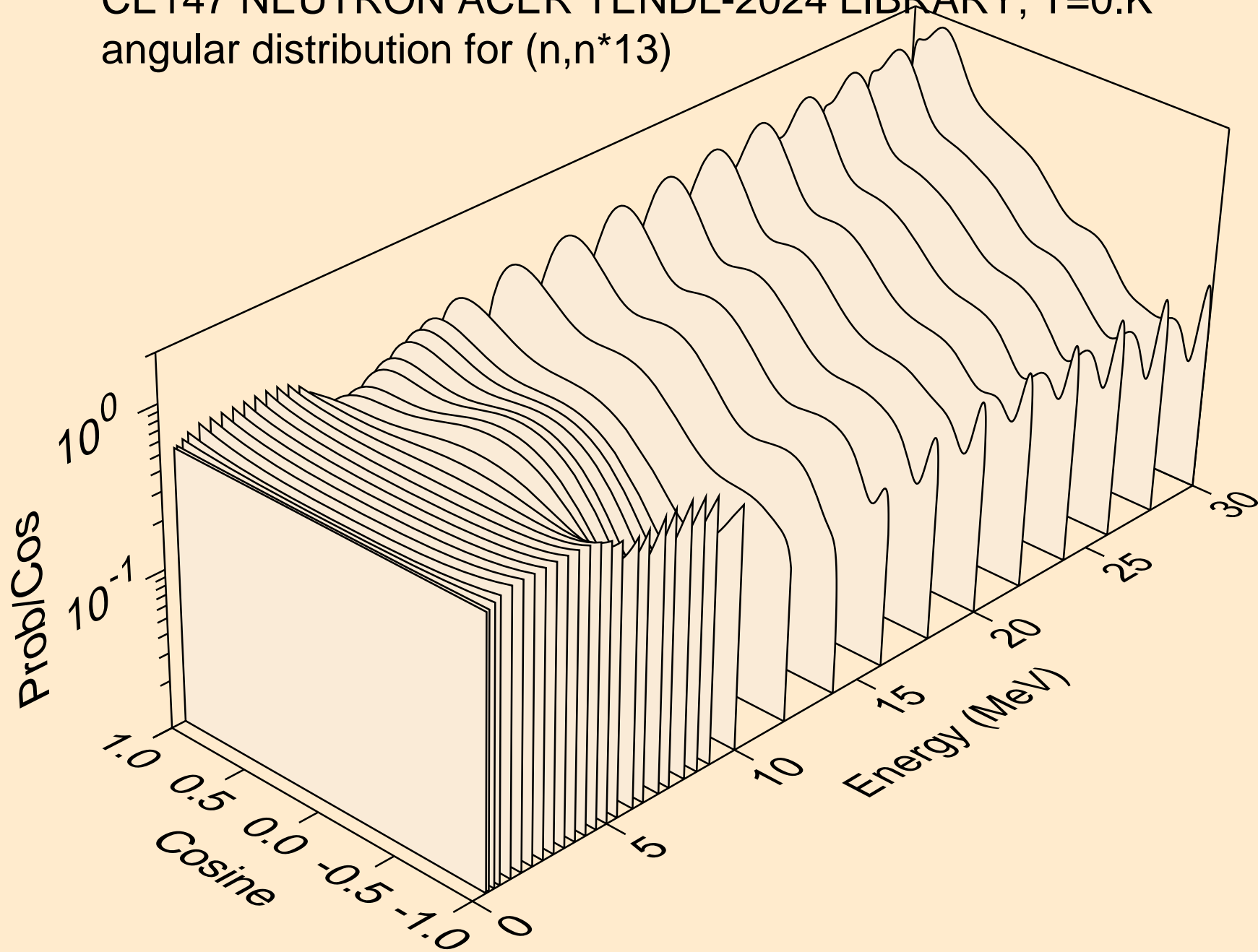
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)

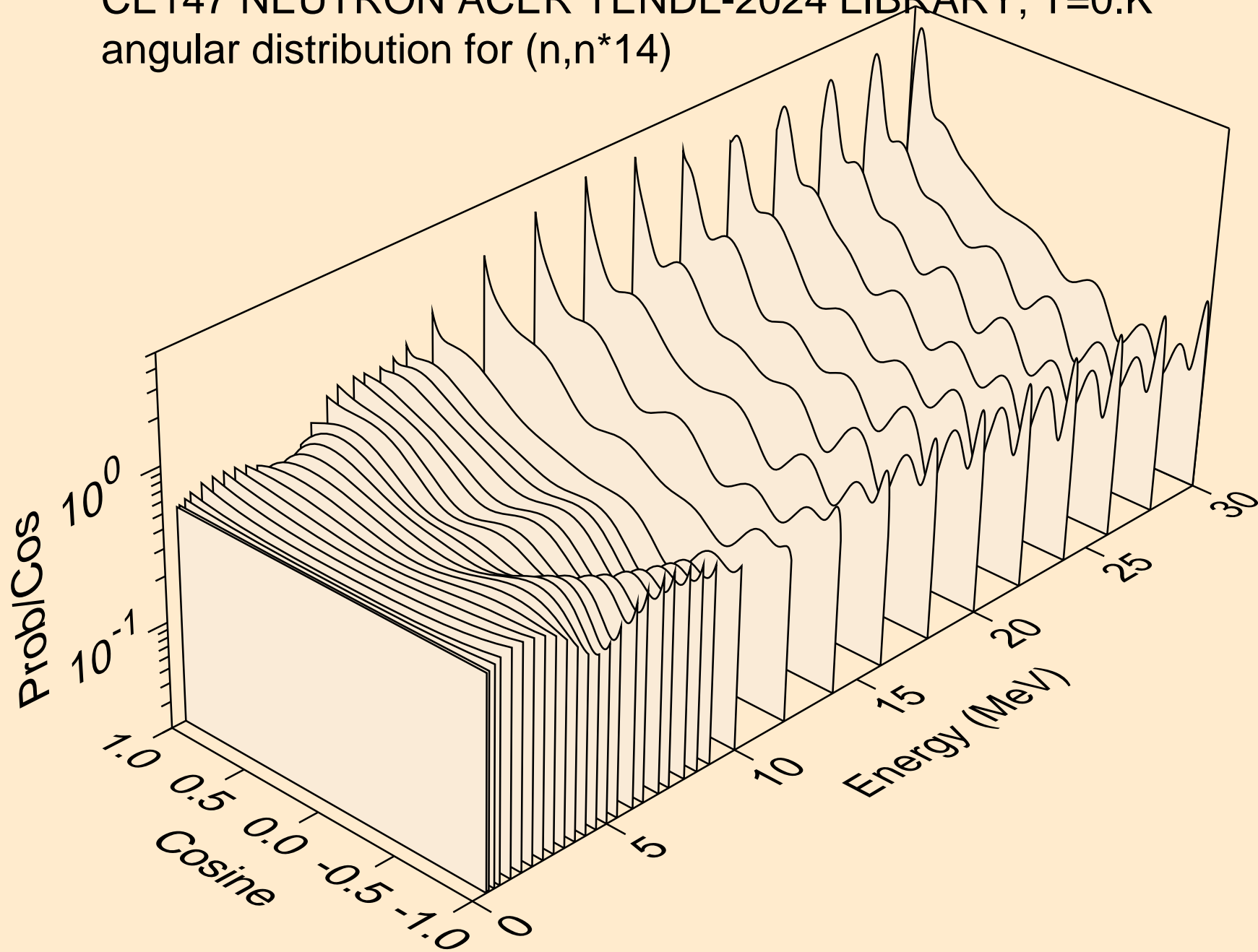


CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*13)

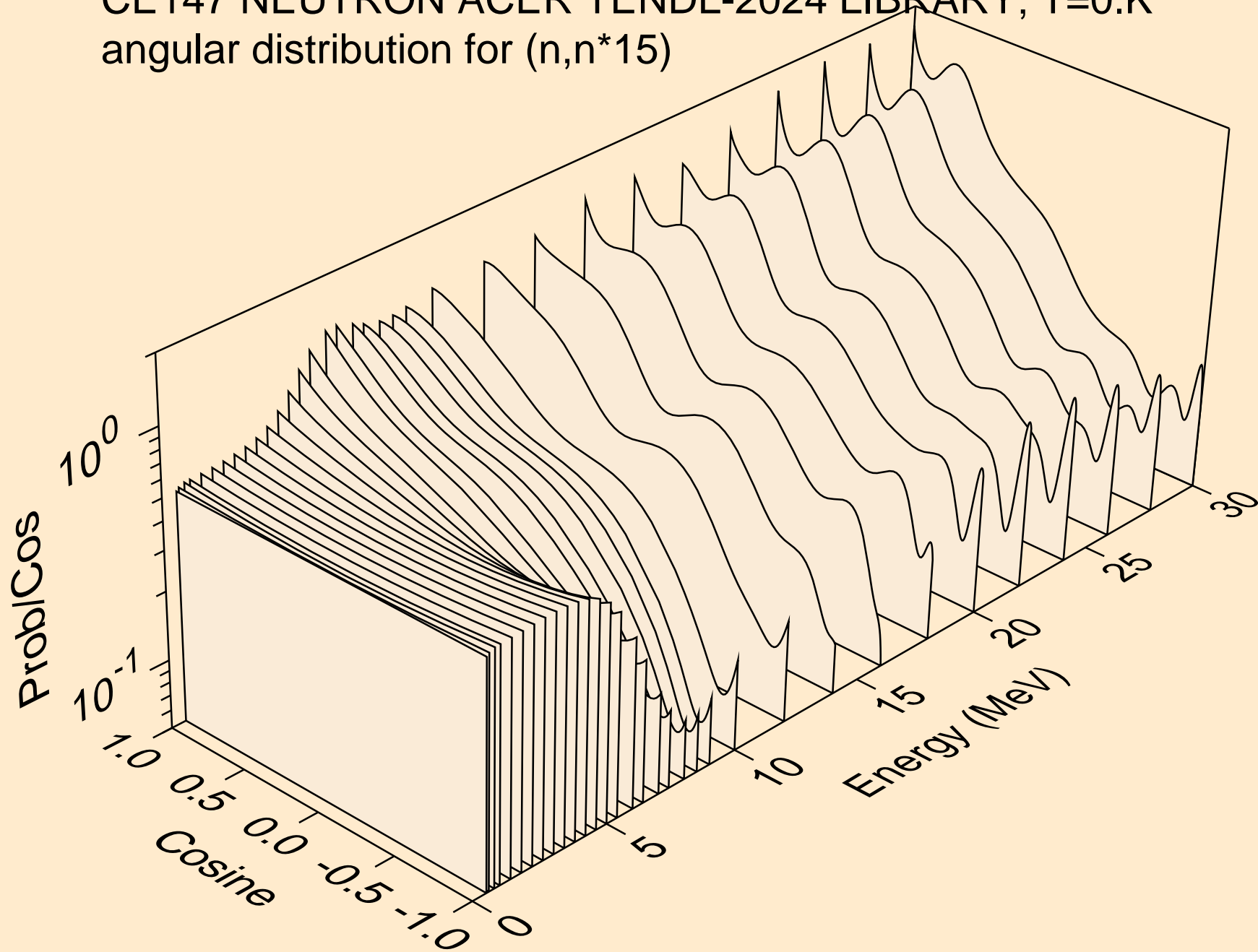




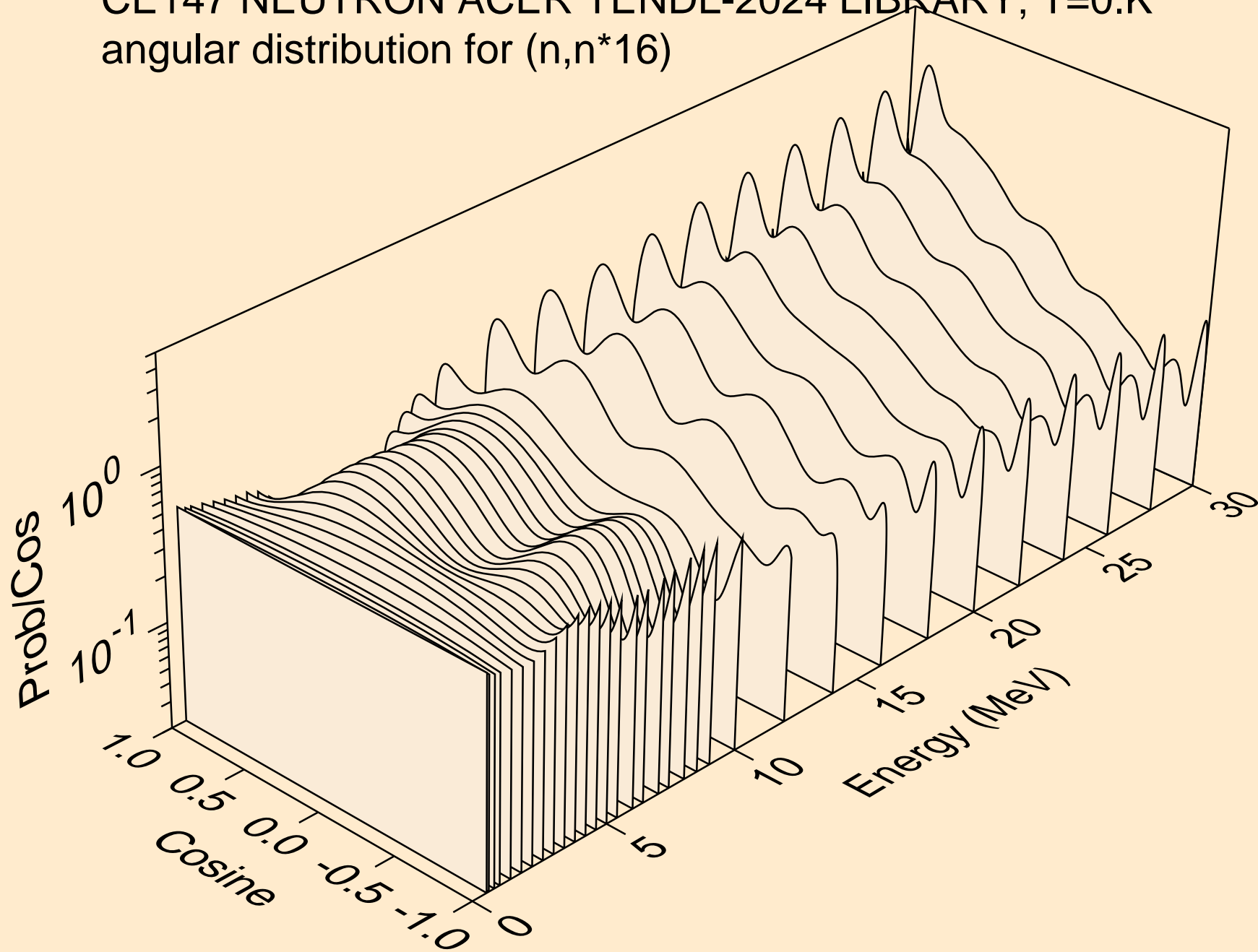
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angular distribution for (n,n\*14)



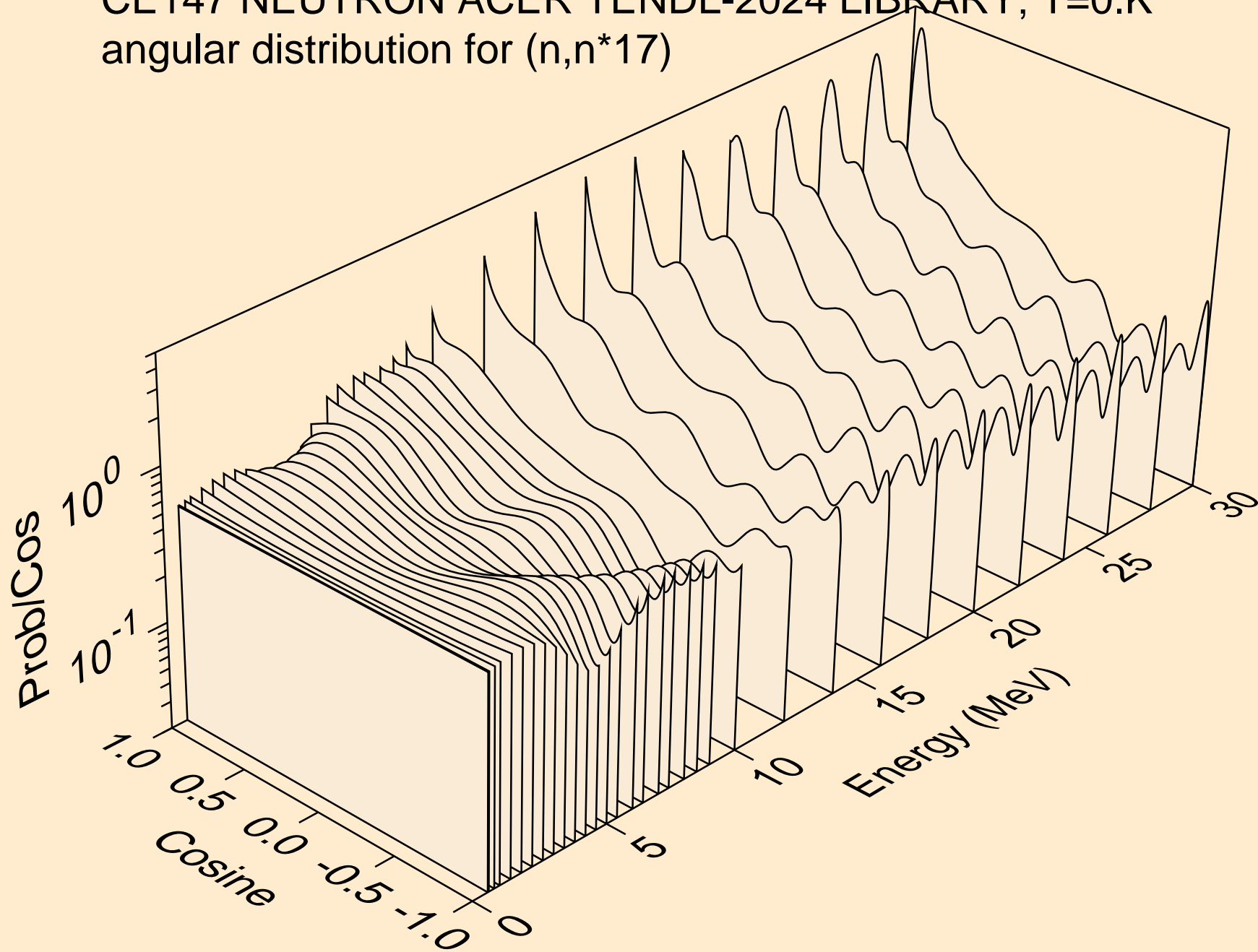
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angular distribution for (n,n\*15)



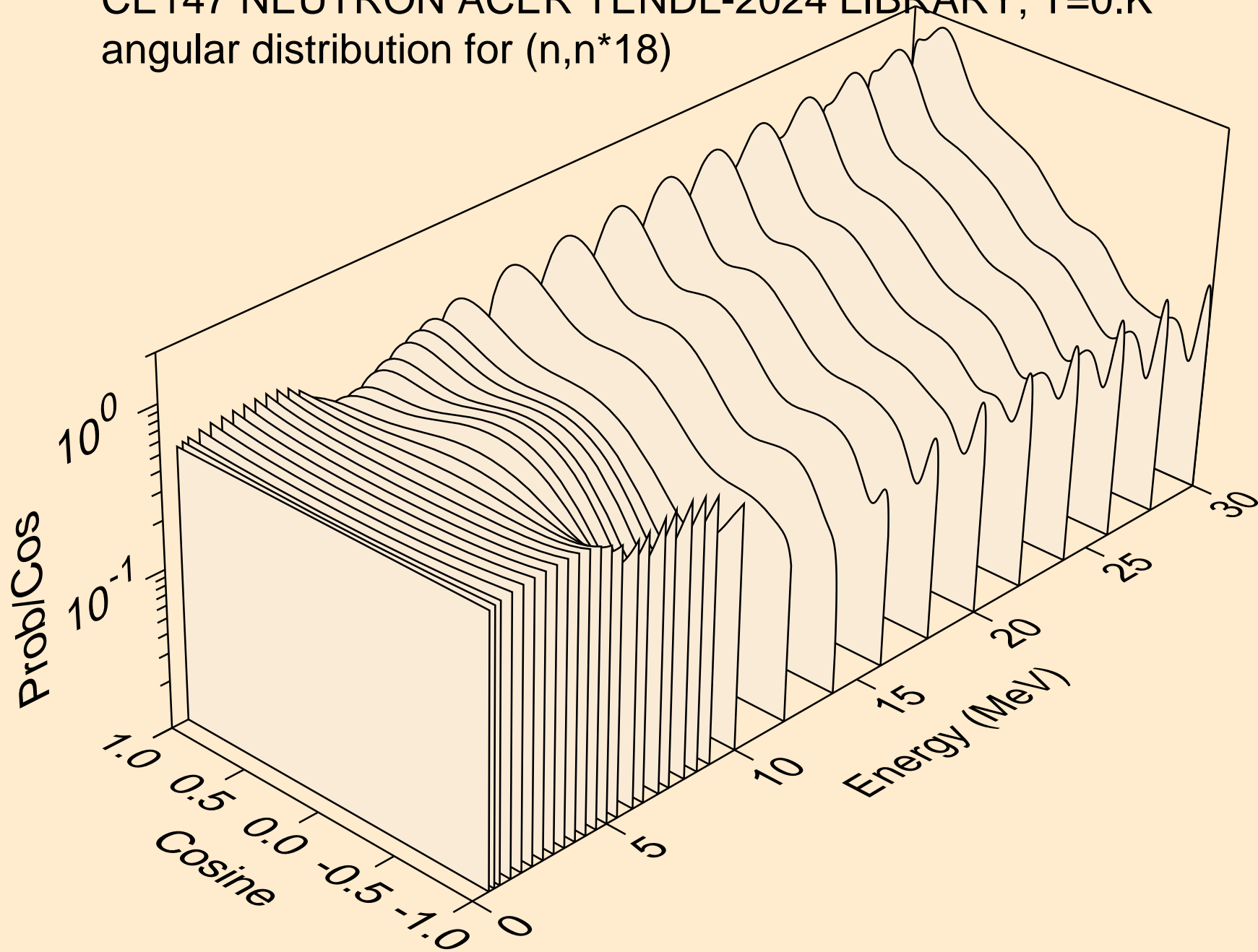
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



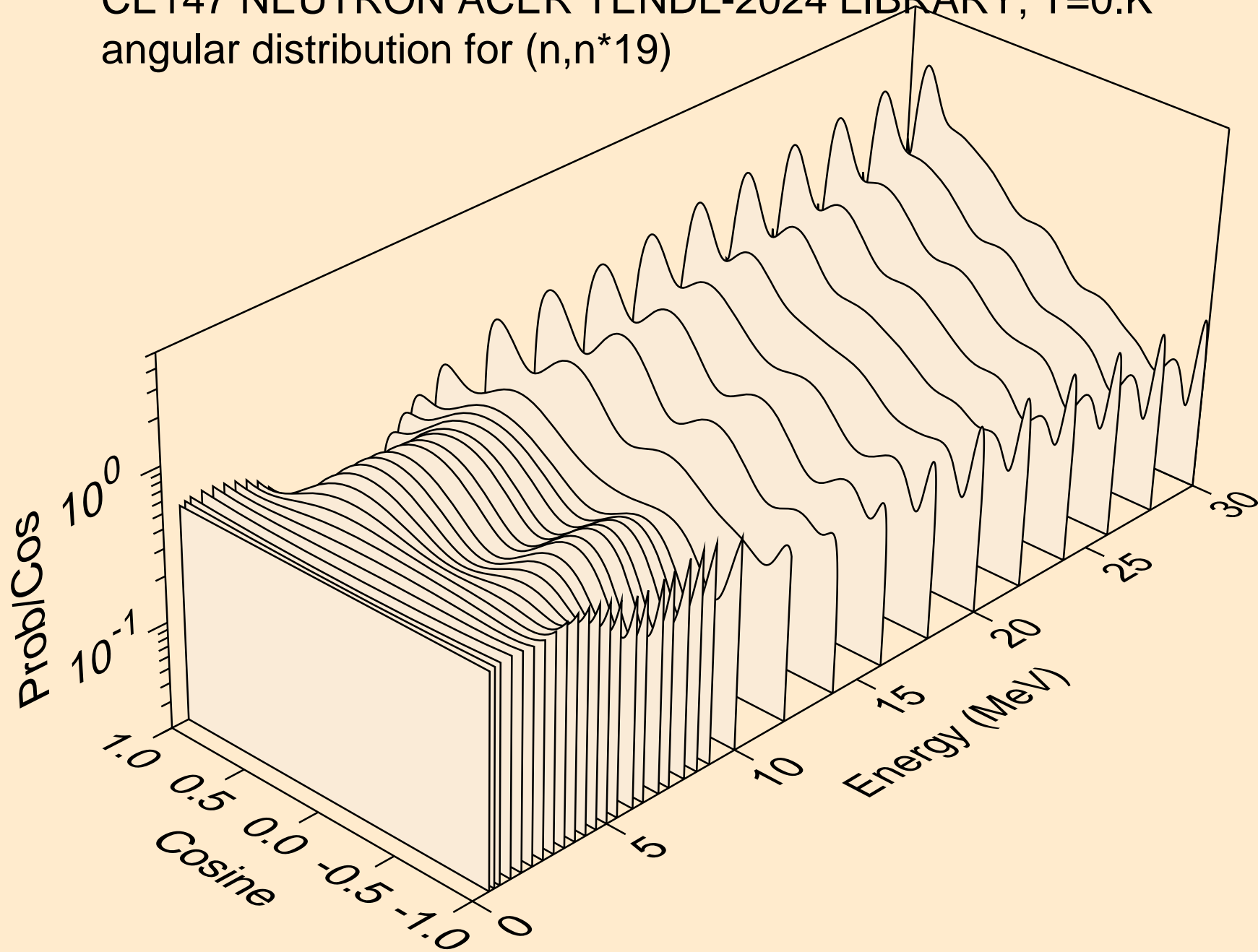
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angular distribution for (n,n\*17)



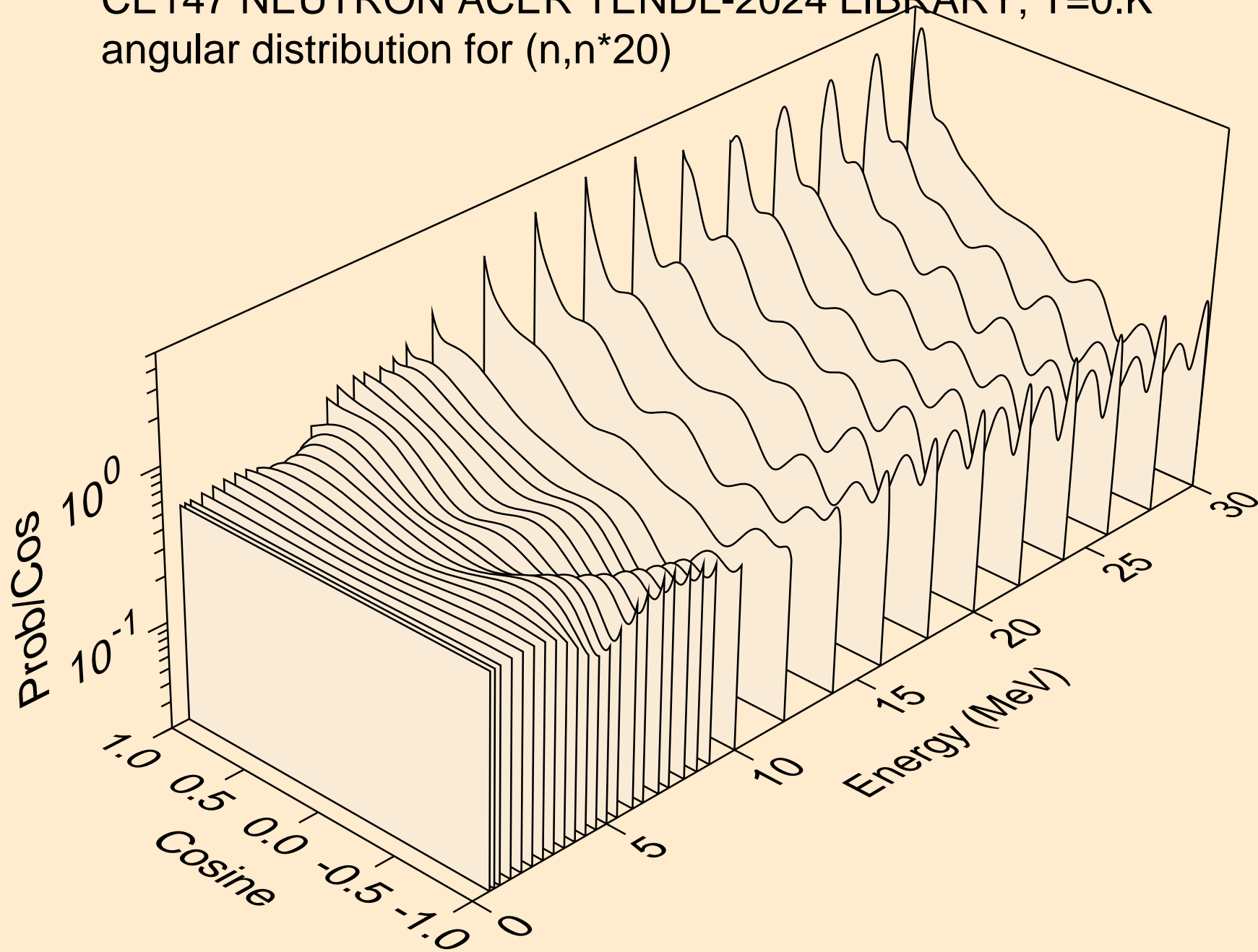
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angular distribution for (n,n\*18)



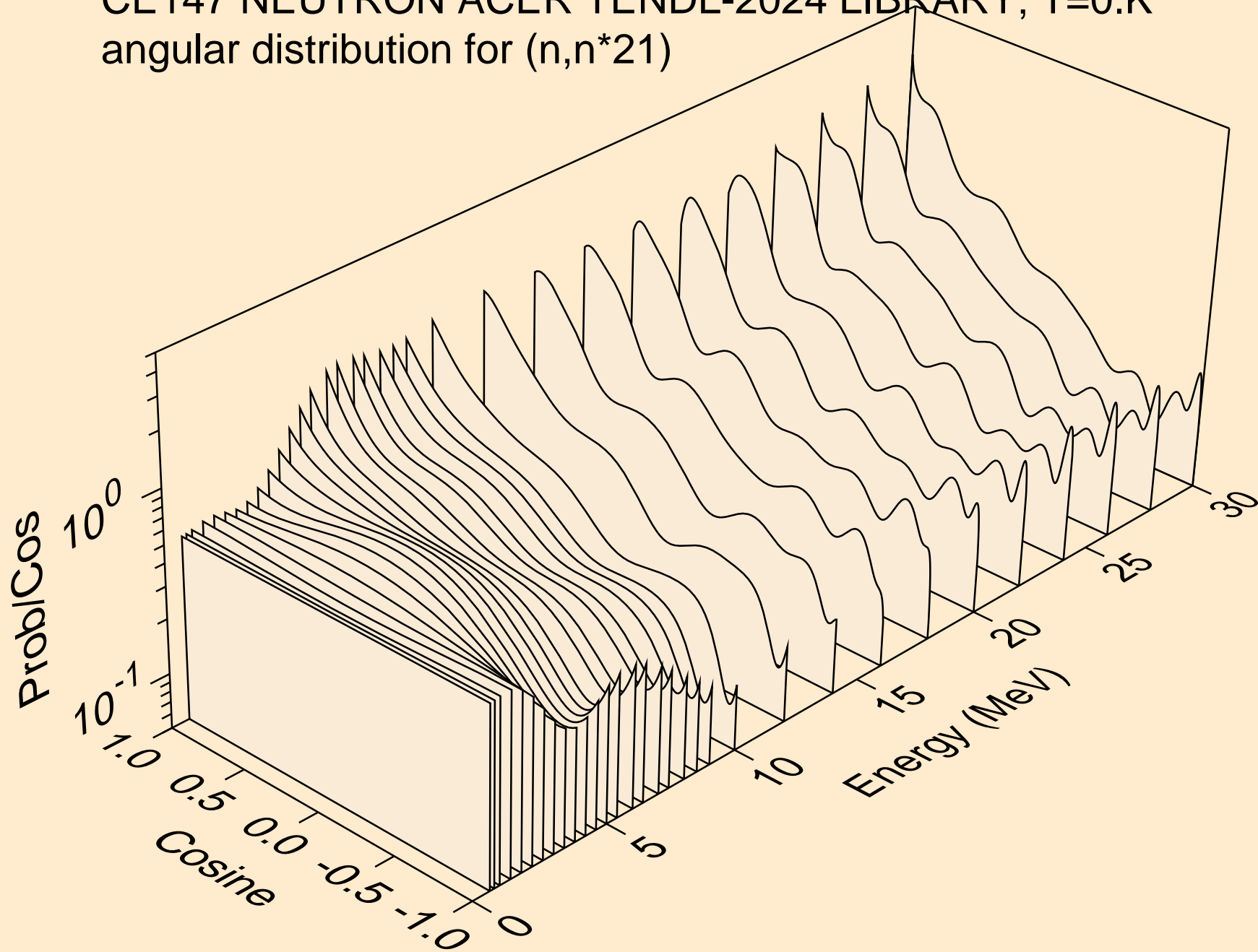
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*20)

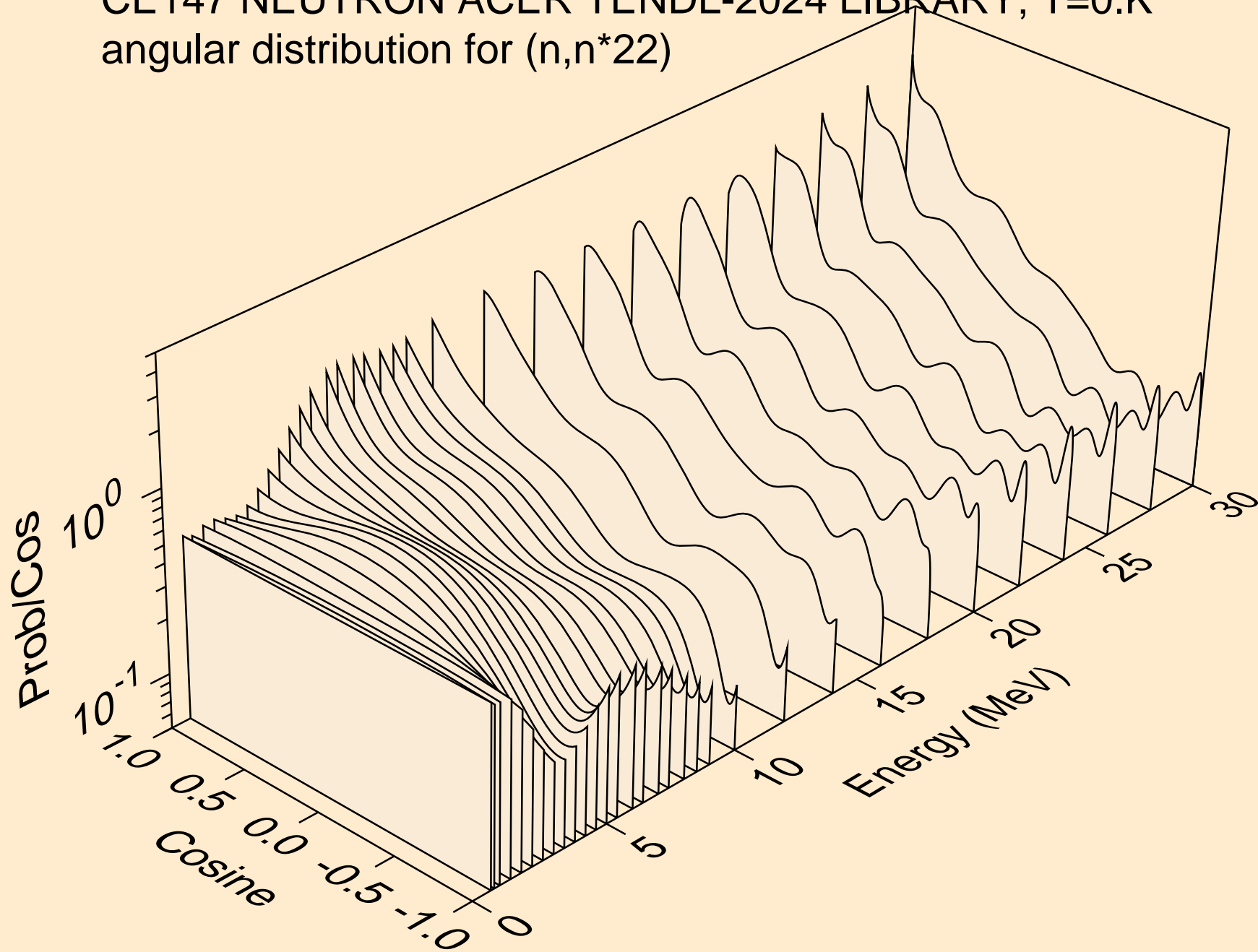


CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*21)

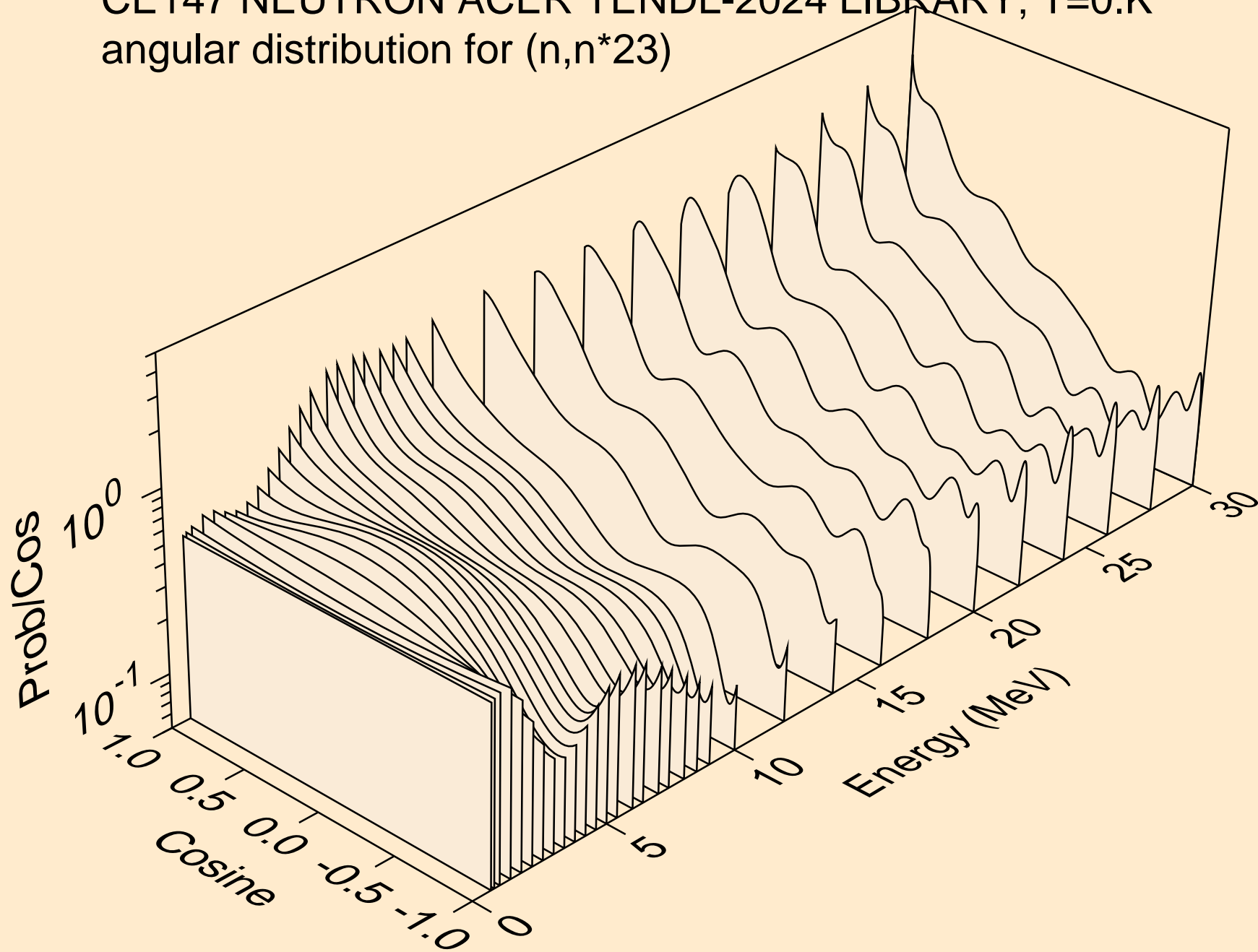




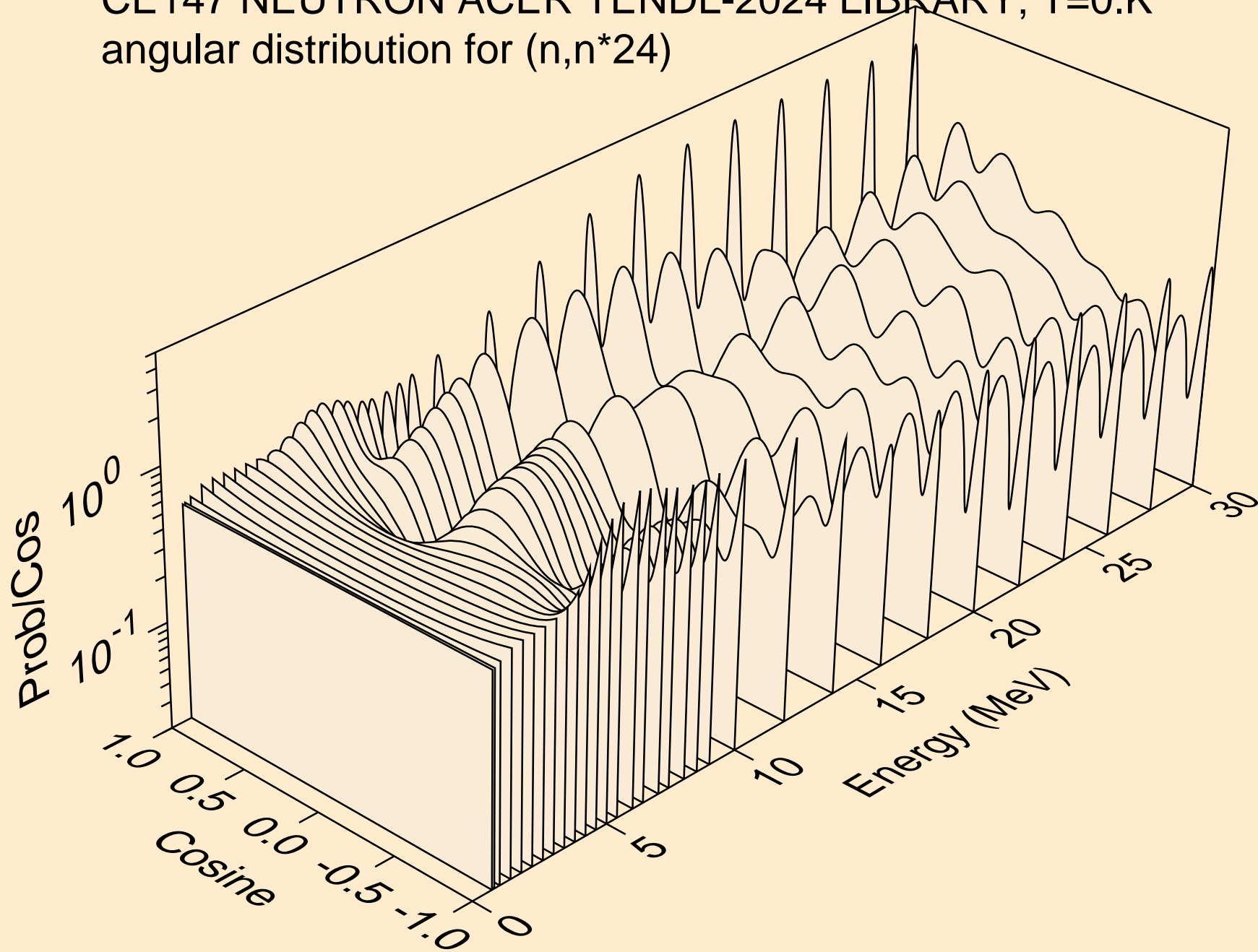
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angular distribution for (n,n\*22)



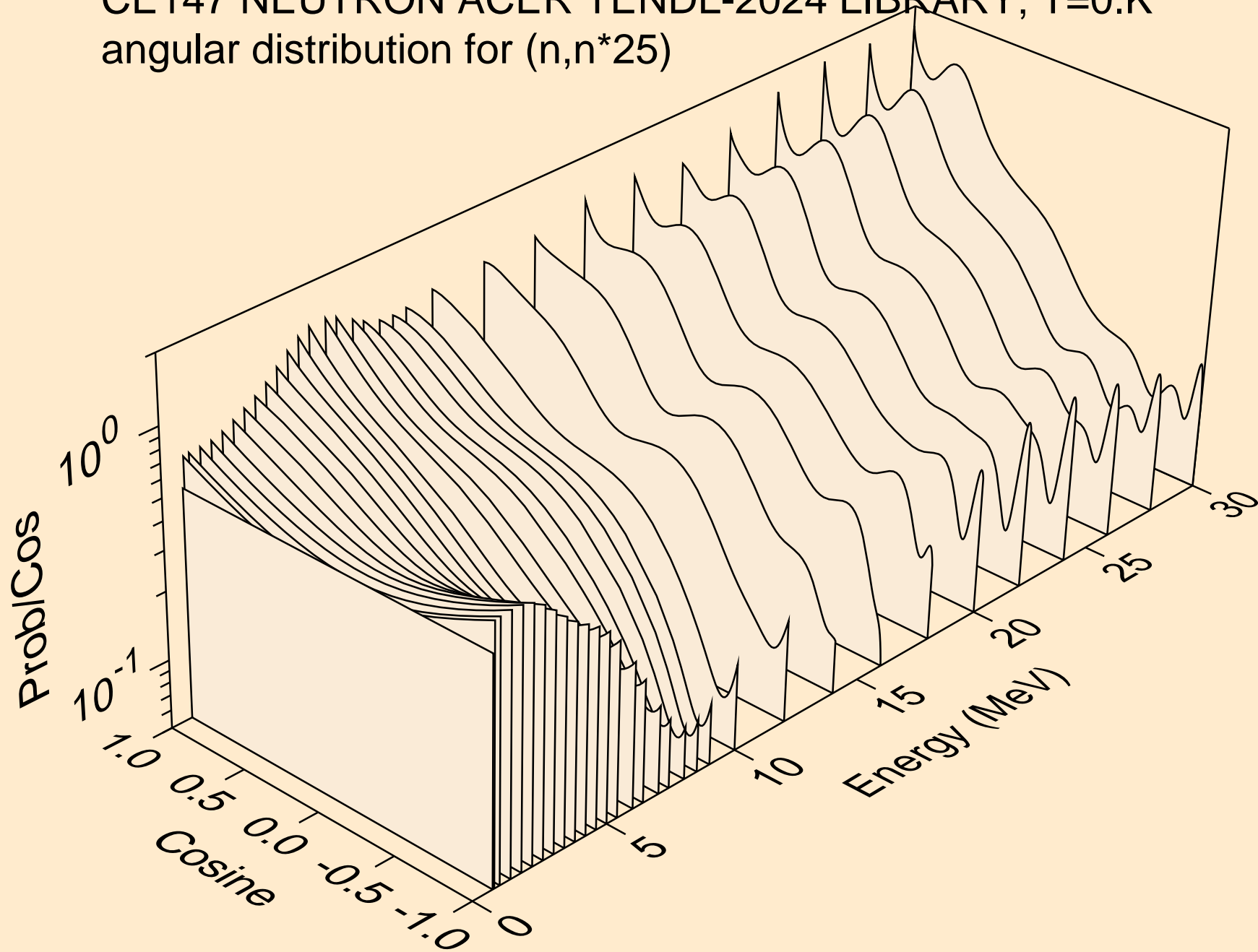
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angular distribution for (n,n\*23)



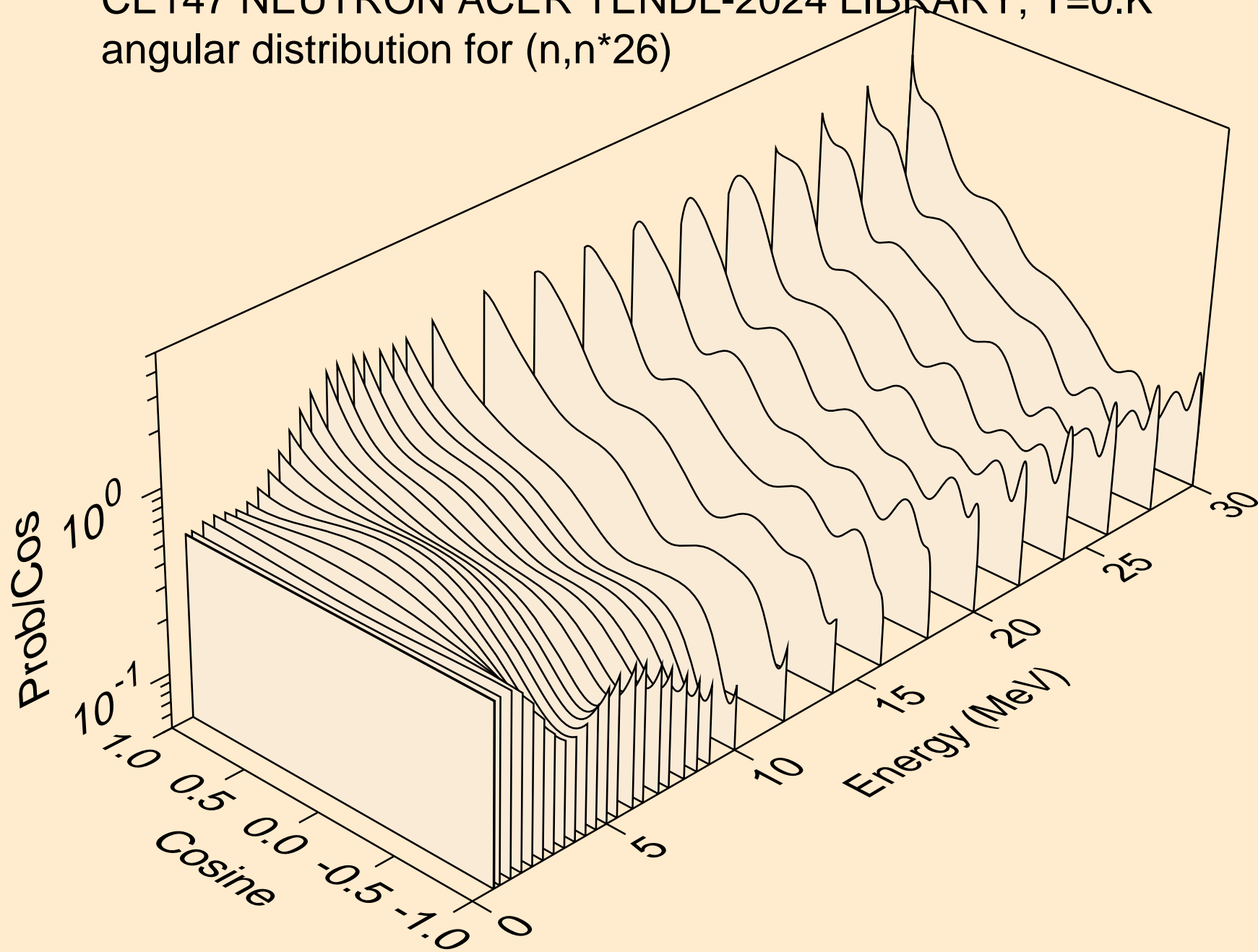
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angular distribution for (n,n\*24)



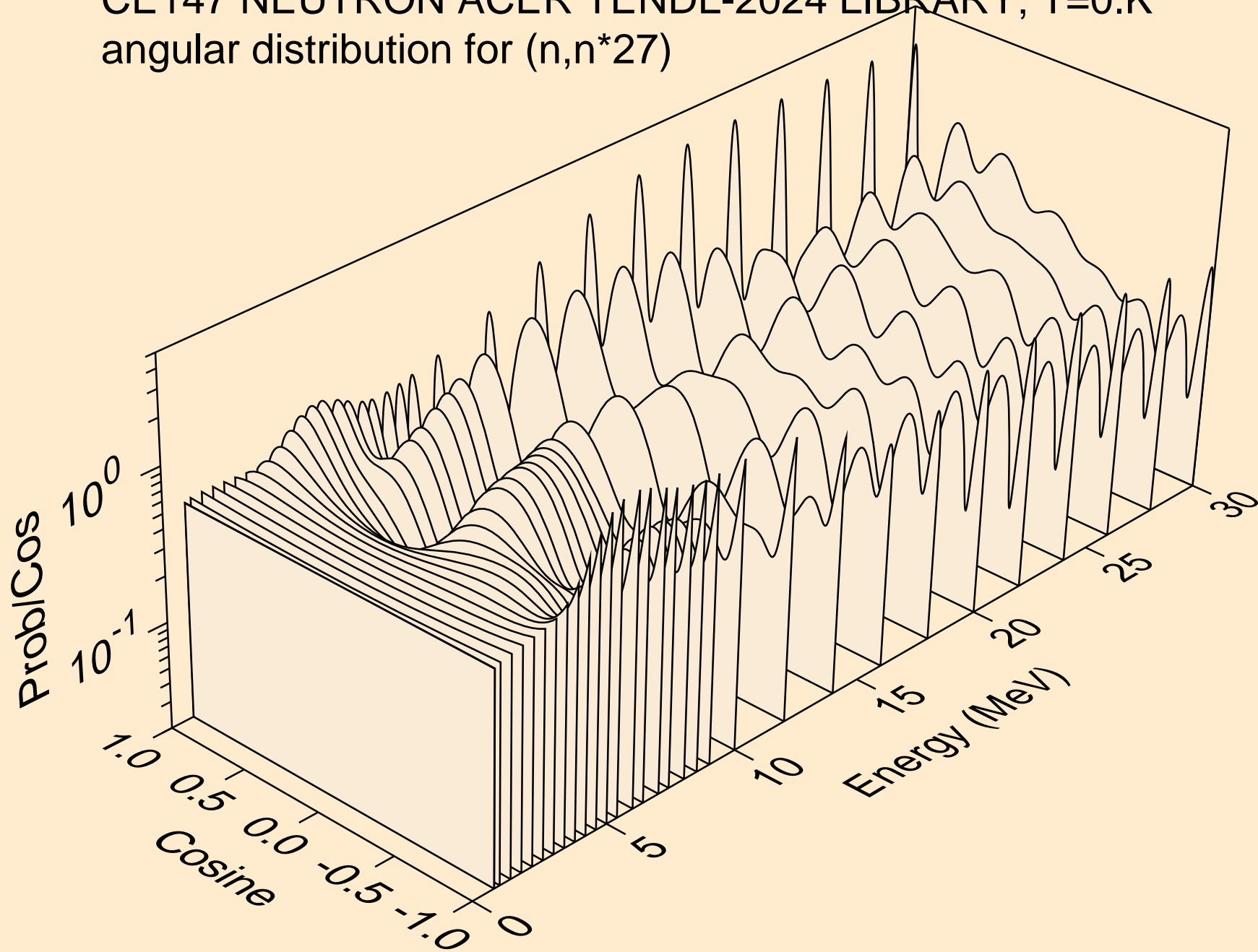
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angular distribution for (n,n\*25)



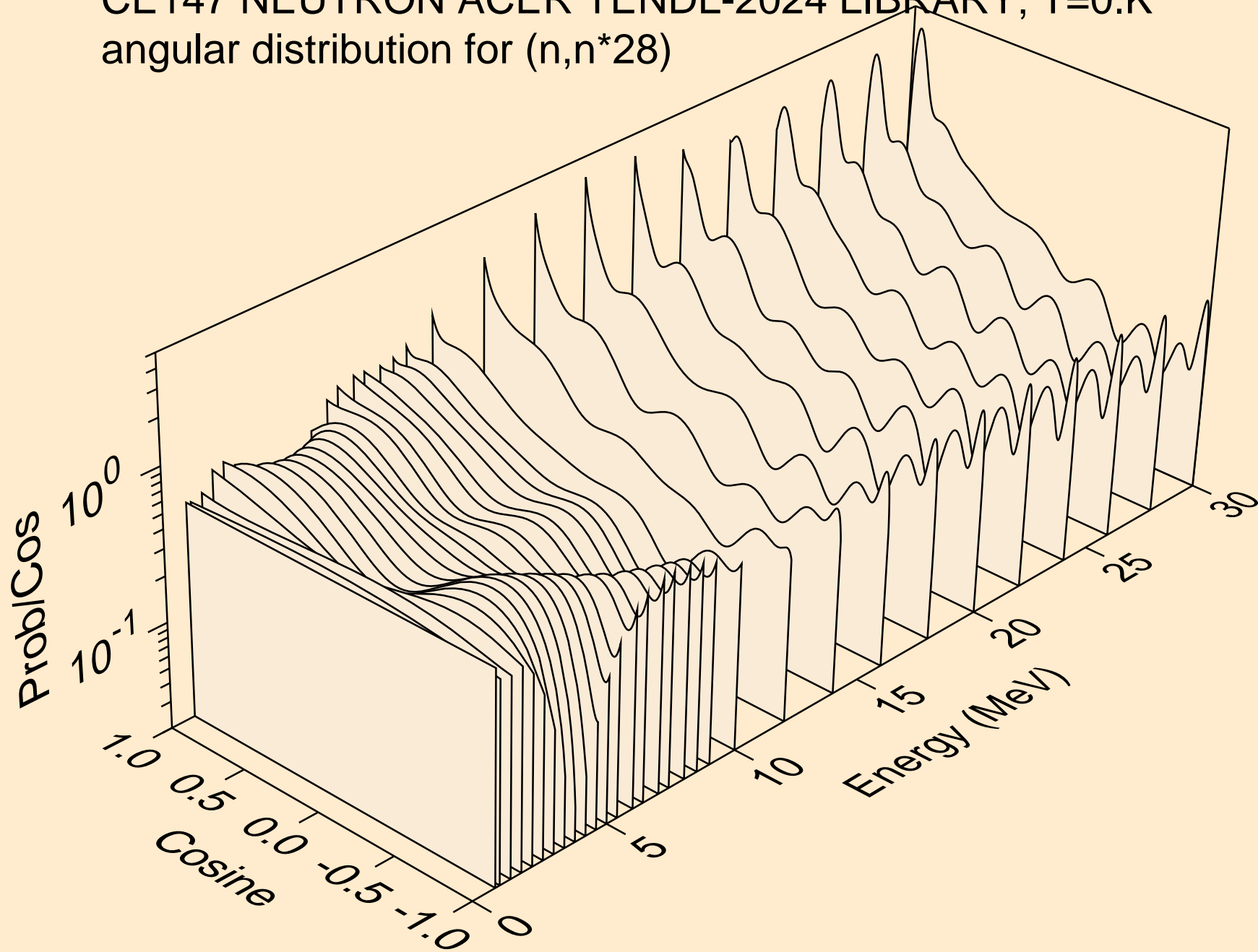
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angular distribution for (n,n\*26)



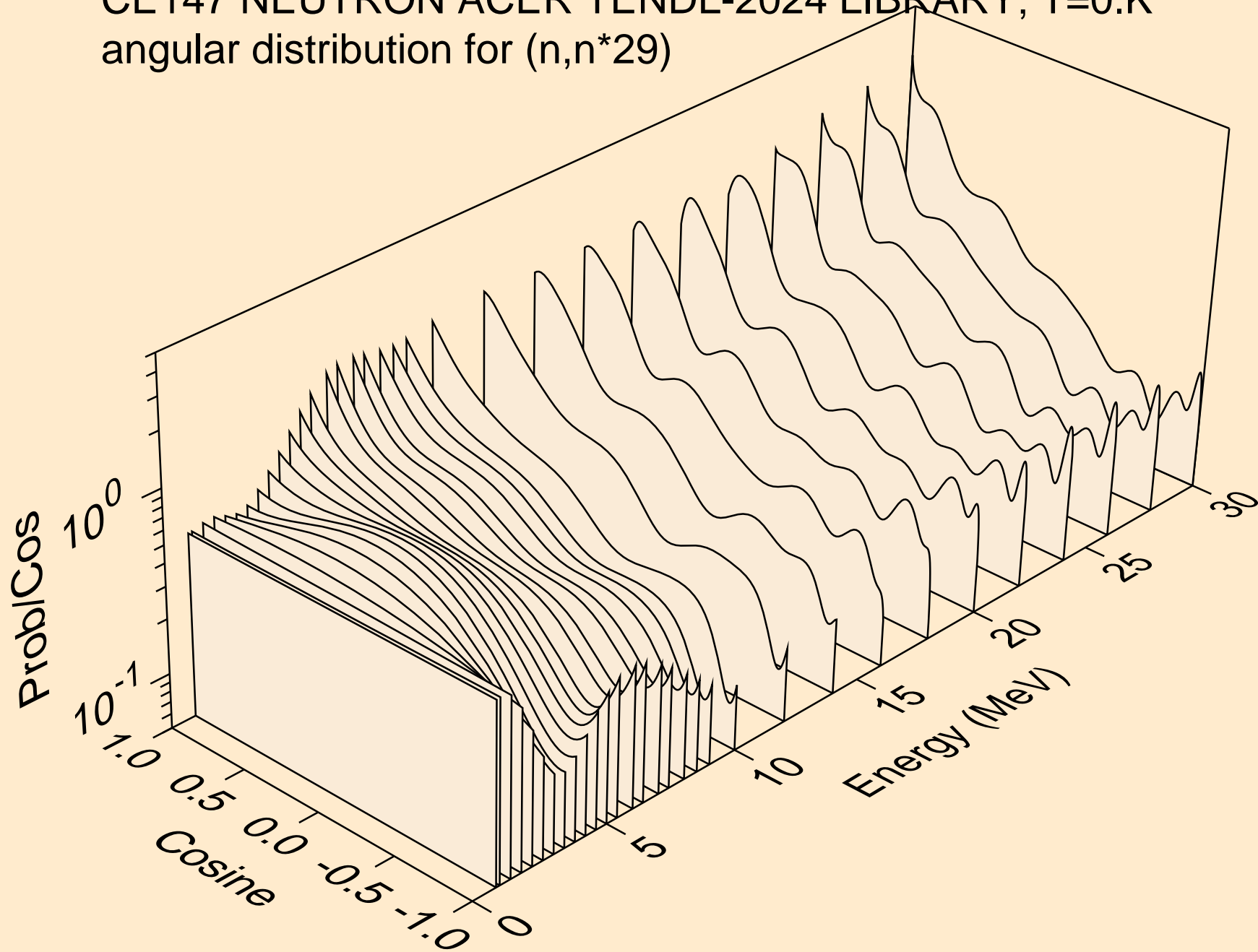
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*28)

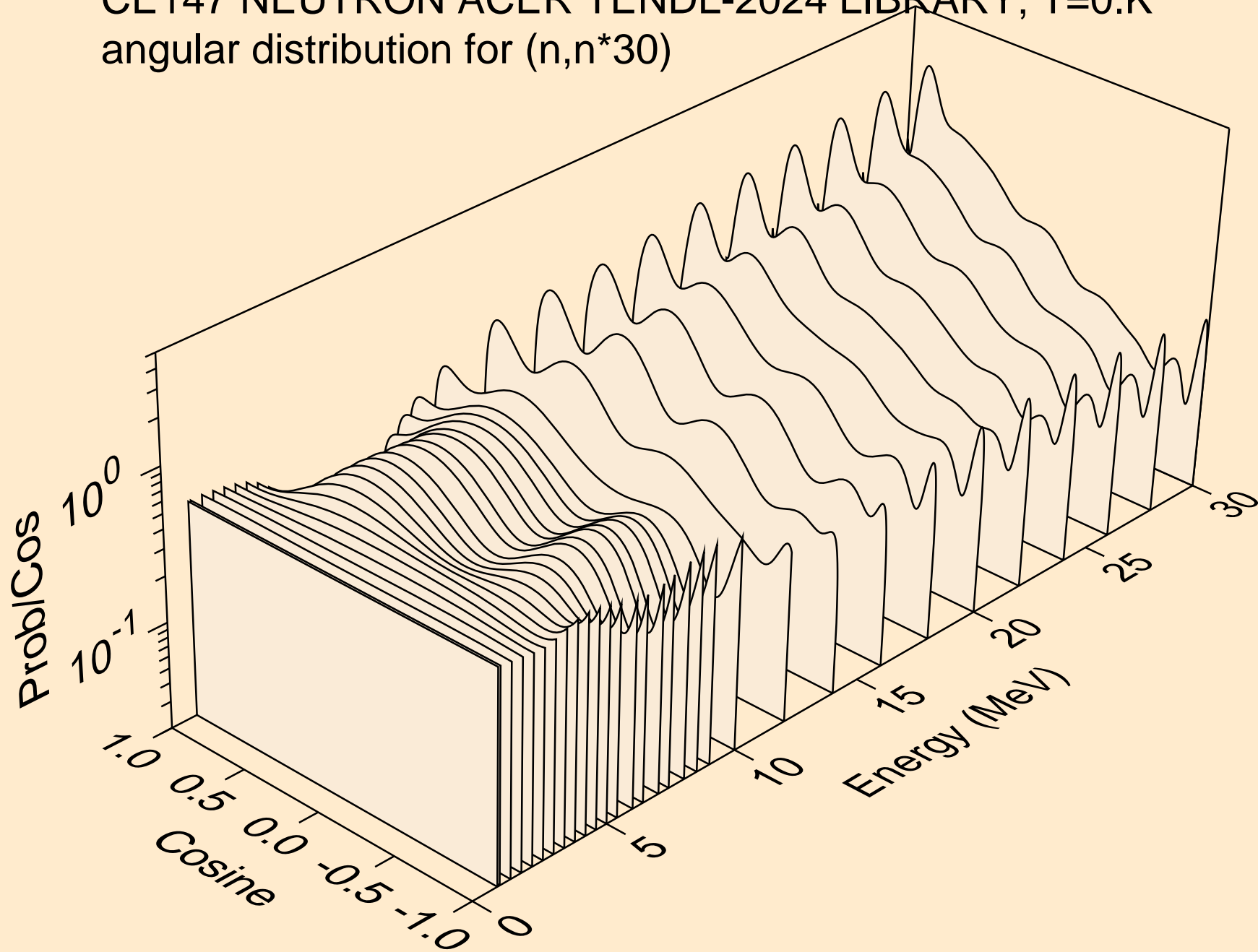


CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*29)

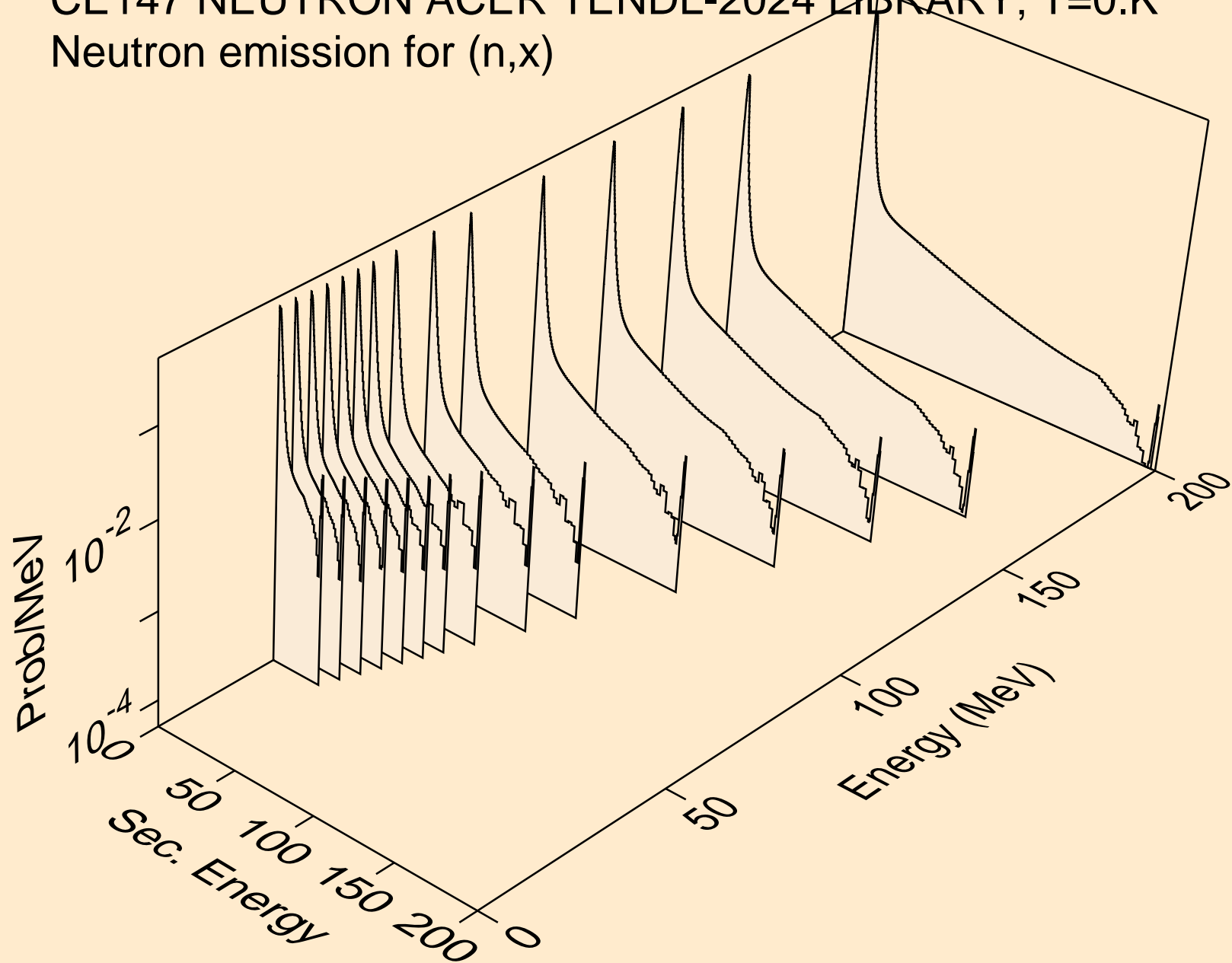




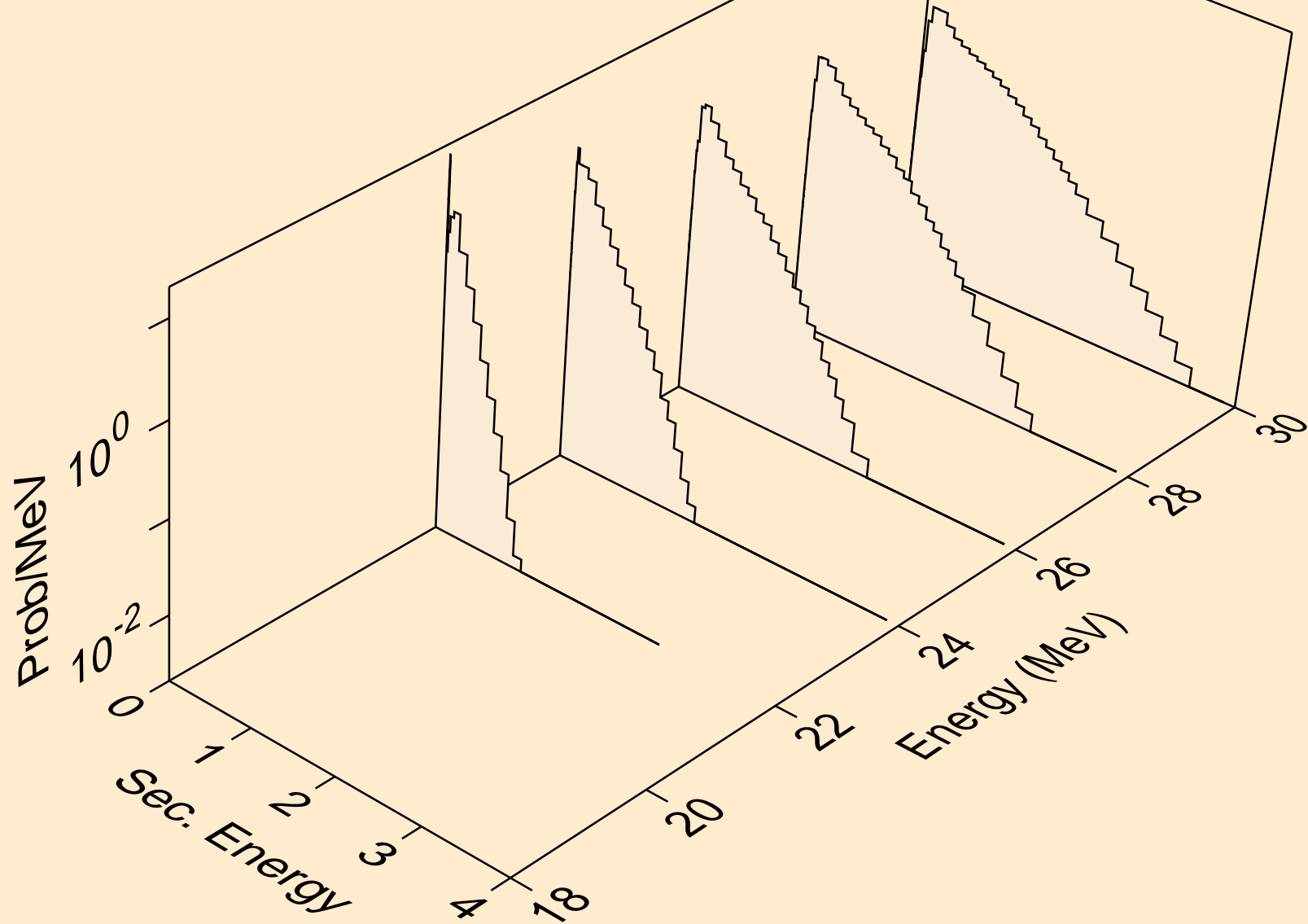
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*30)



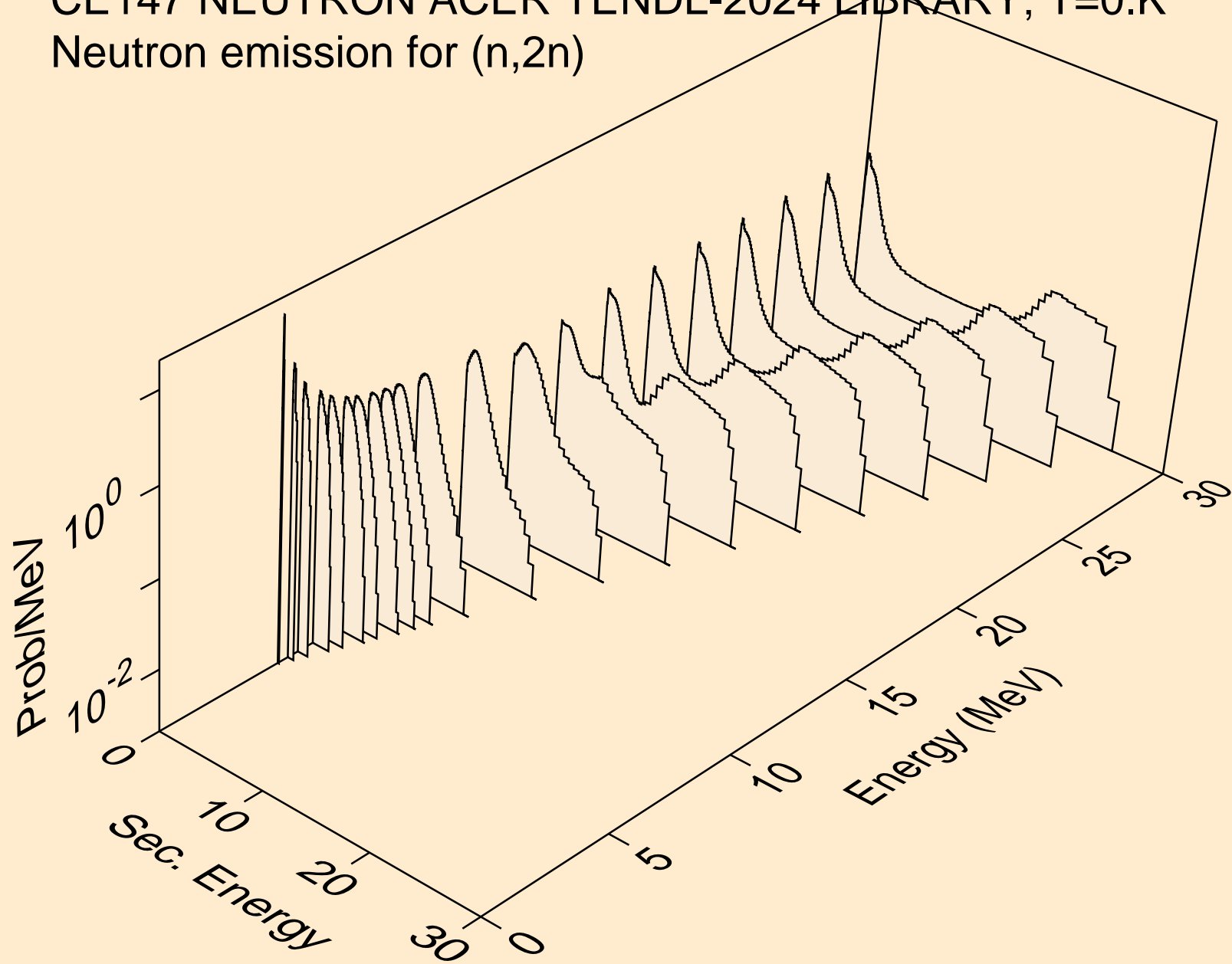
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



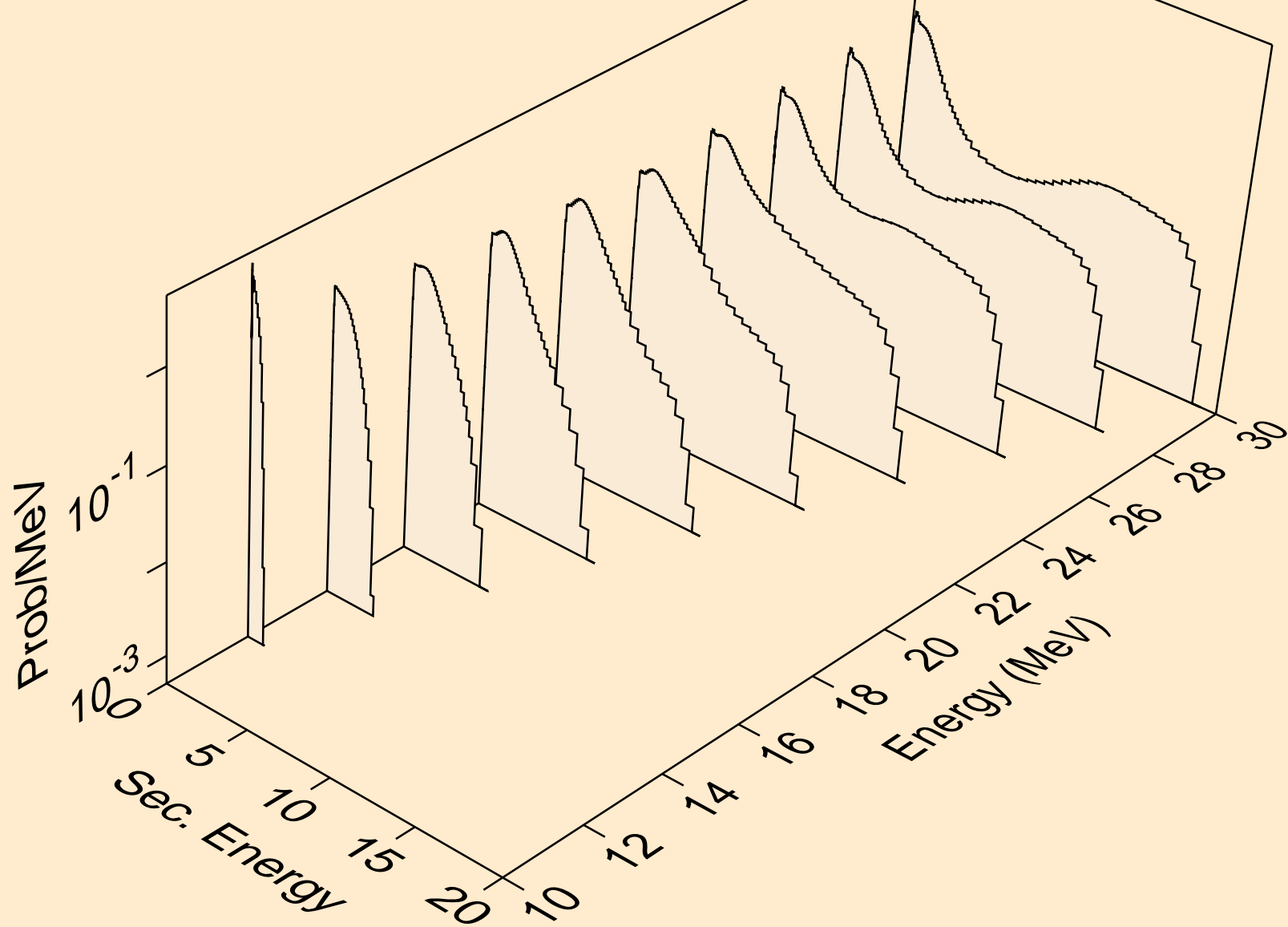
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



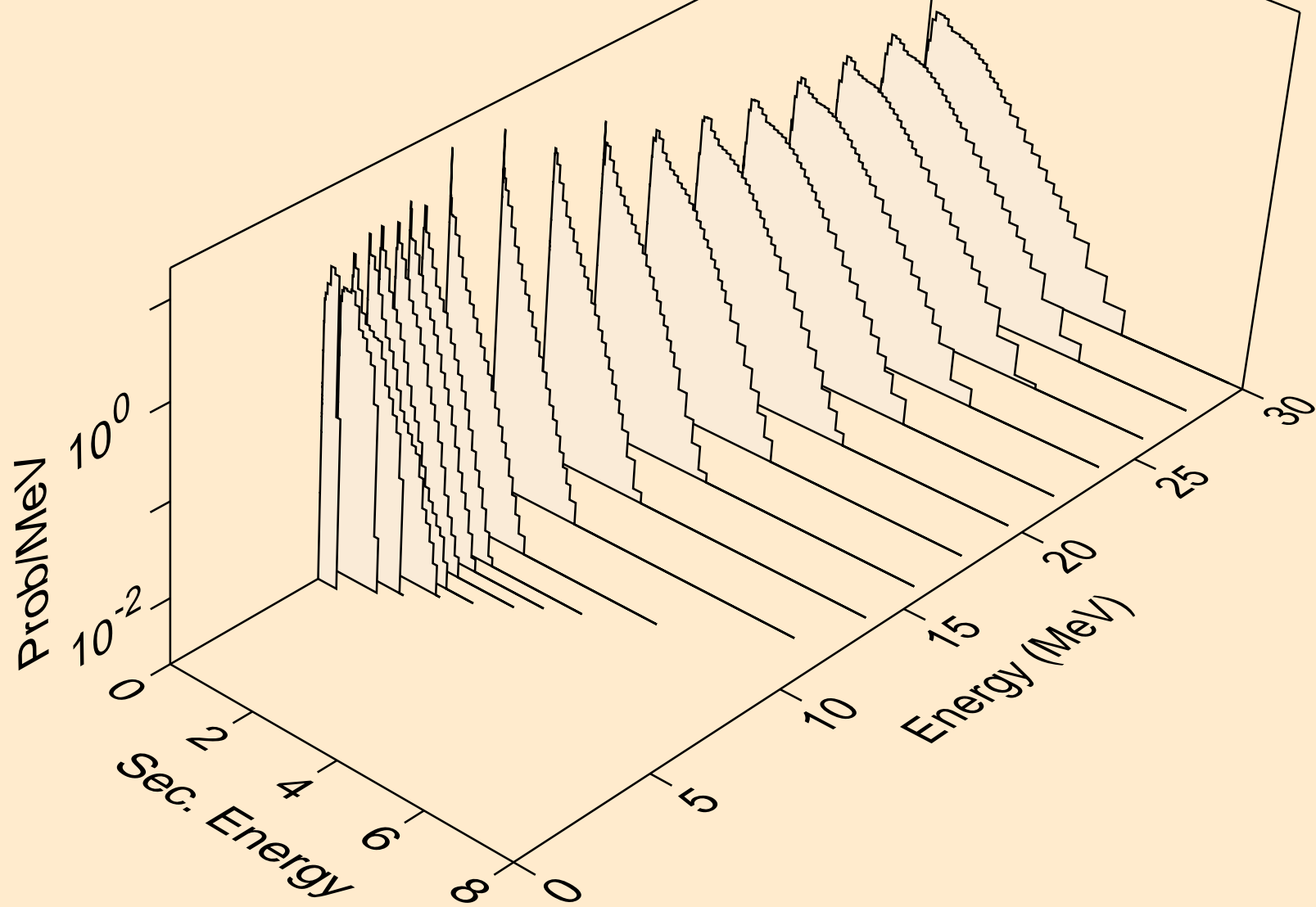
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



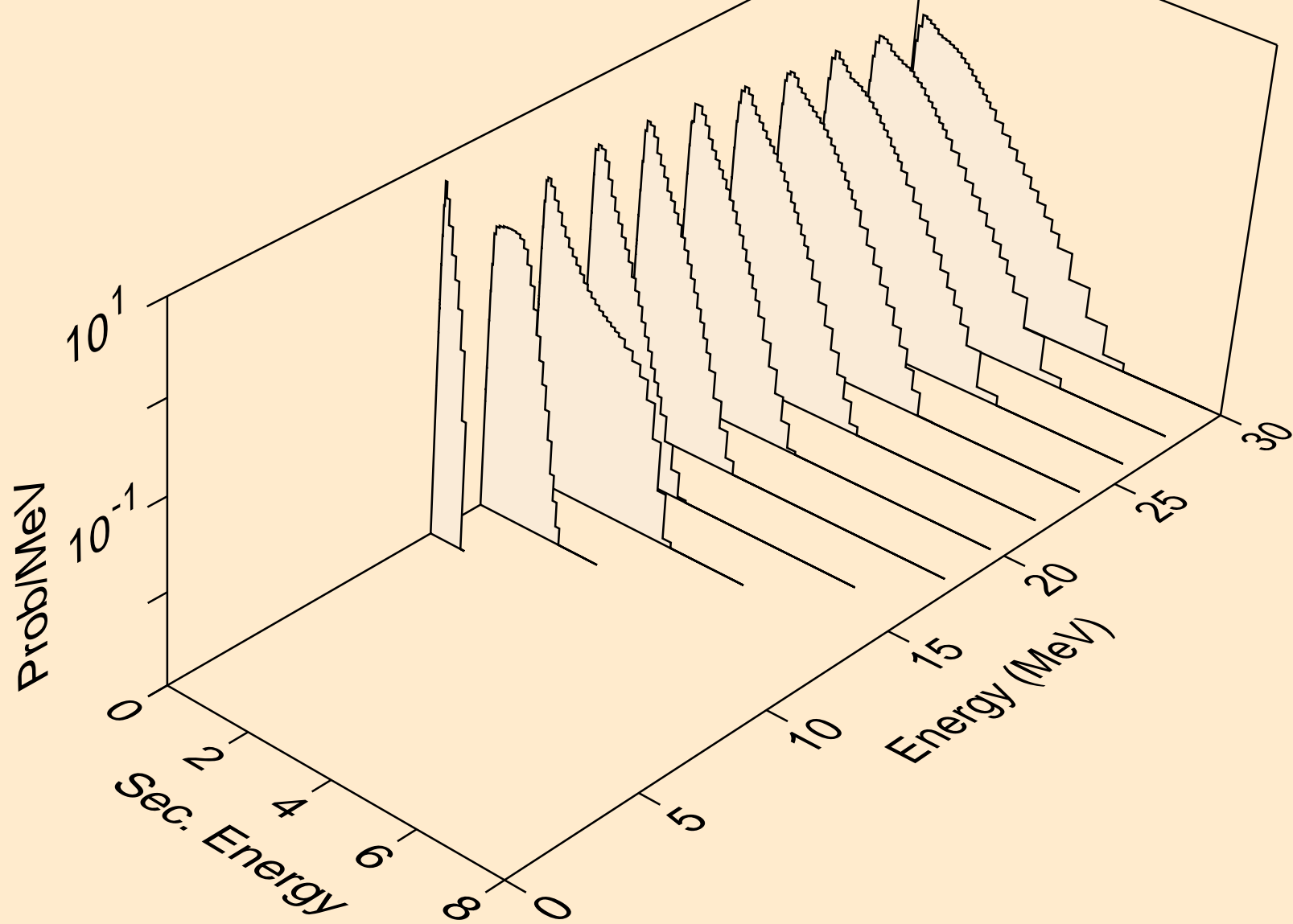
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



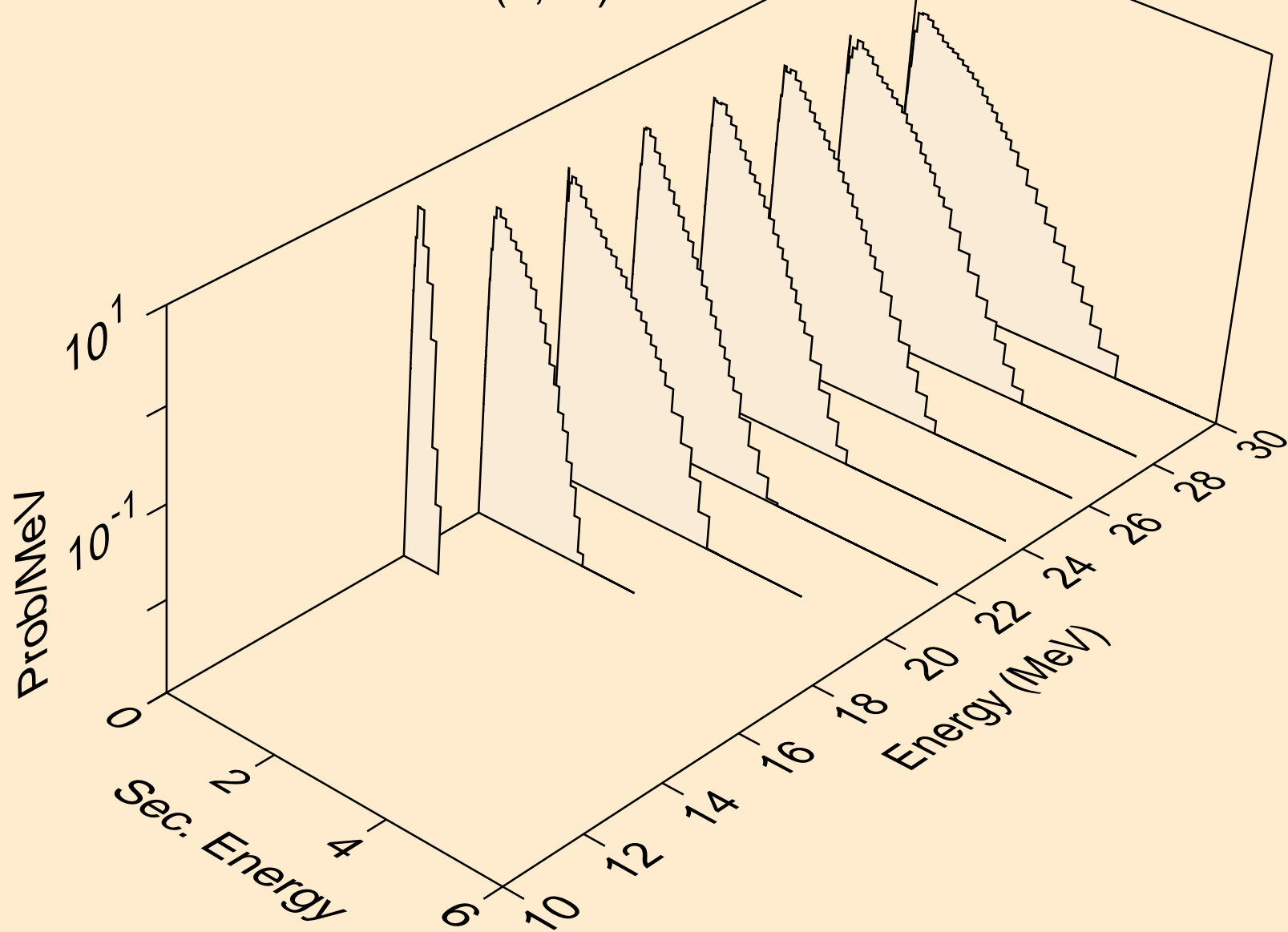
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a

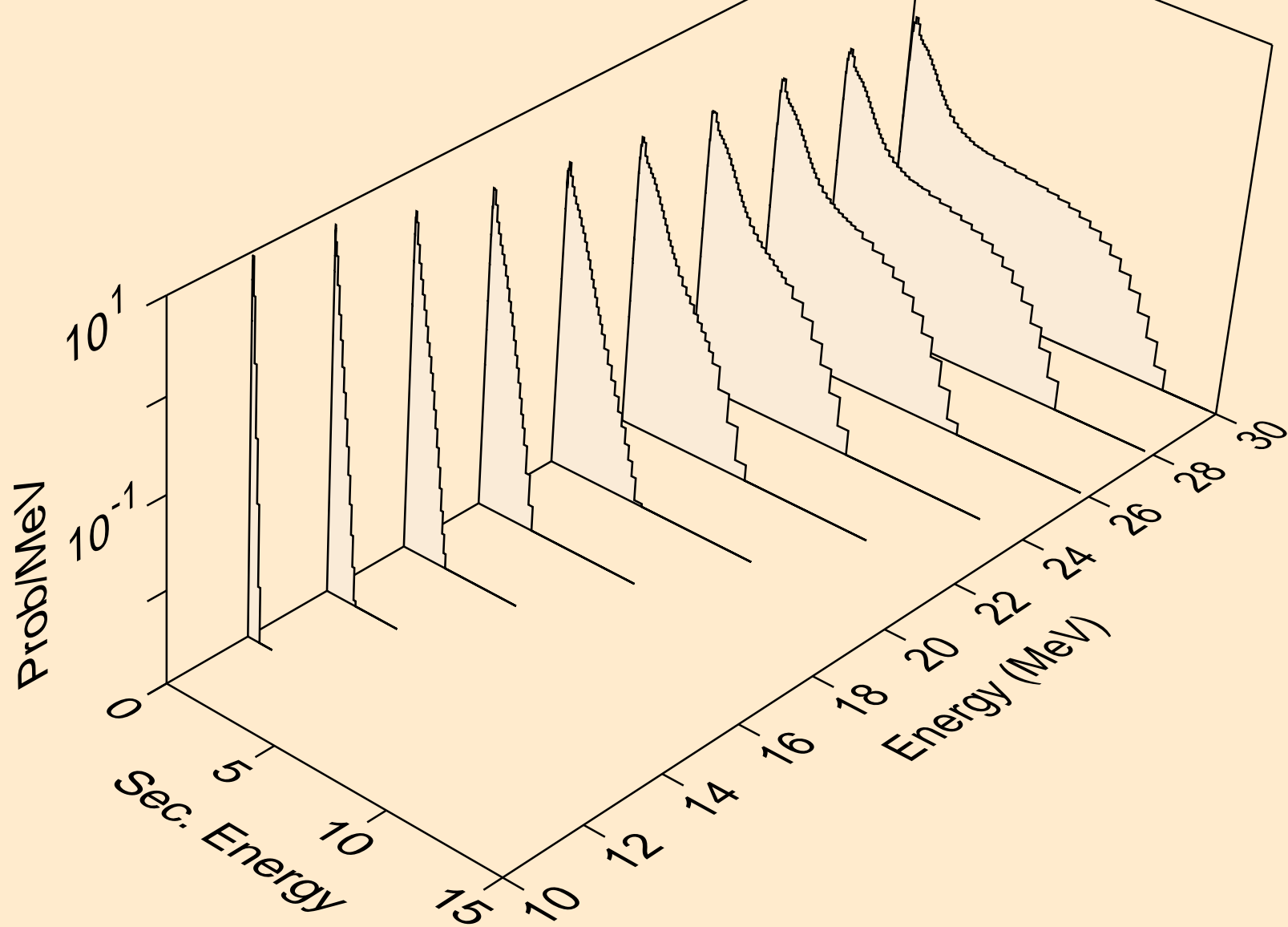


CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a

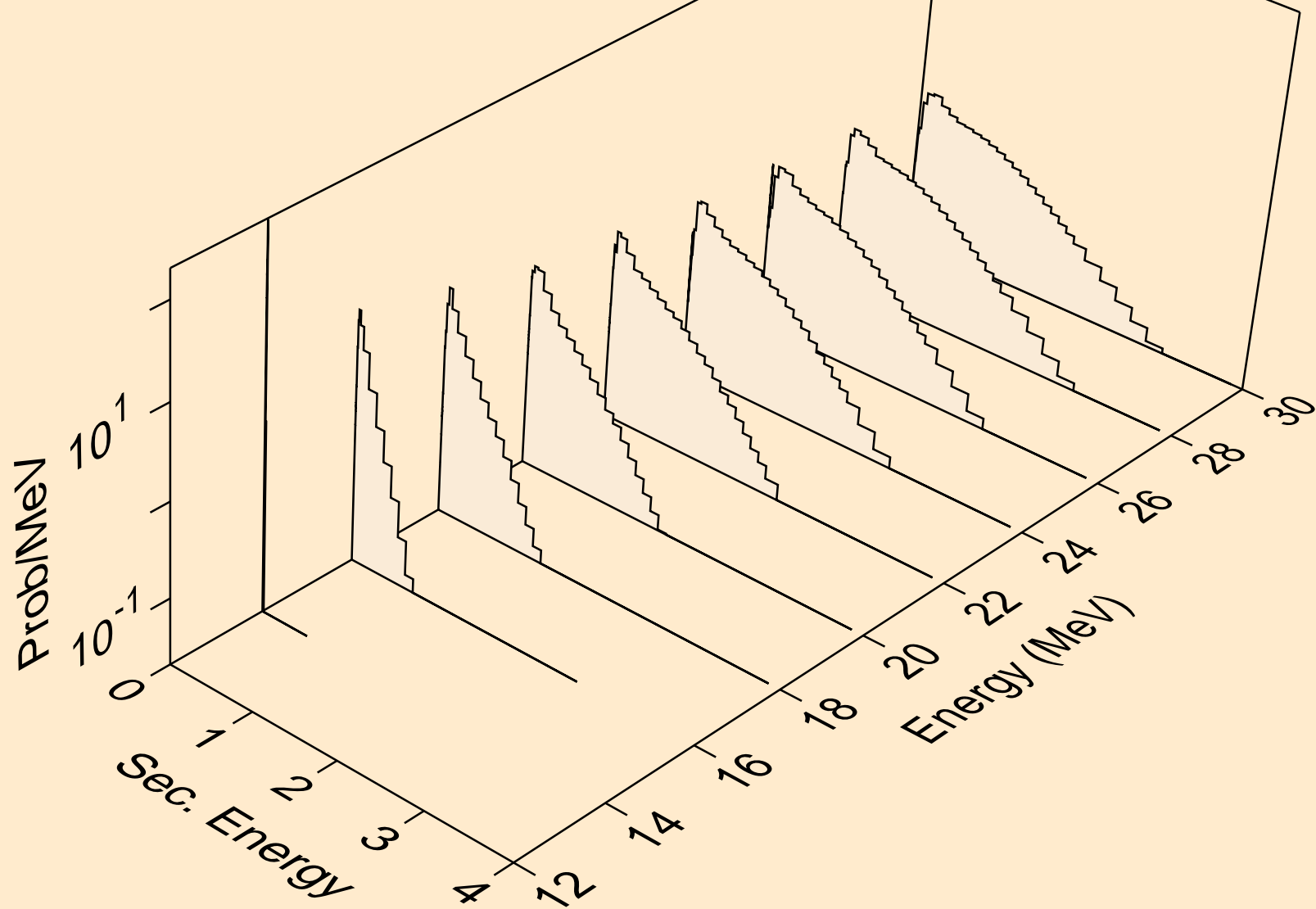




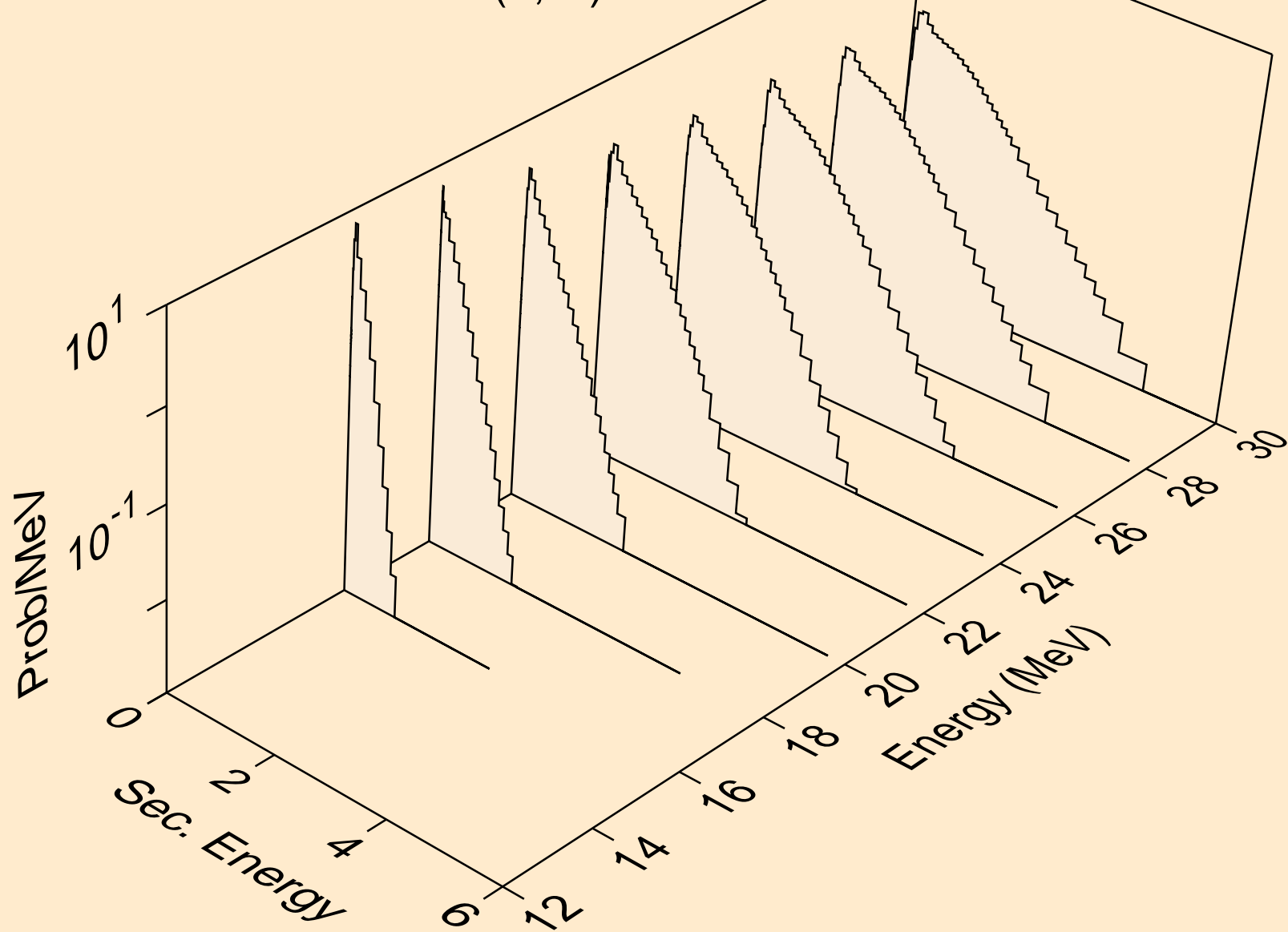
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



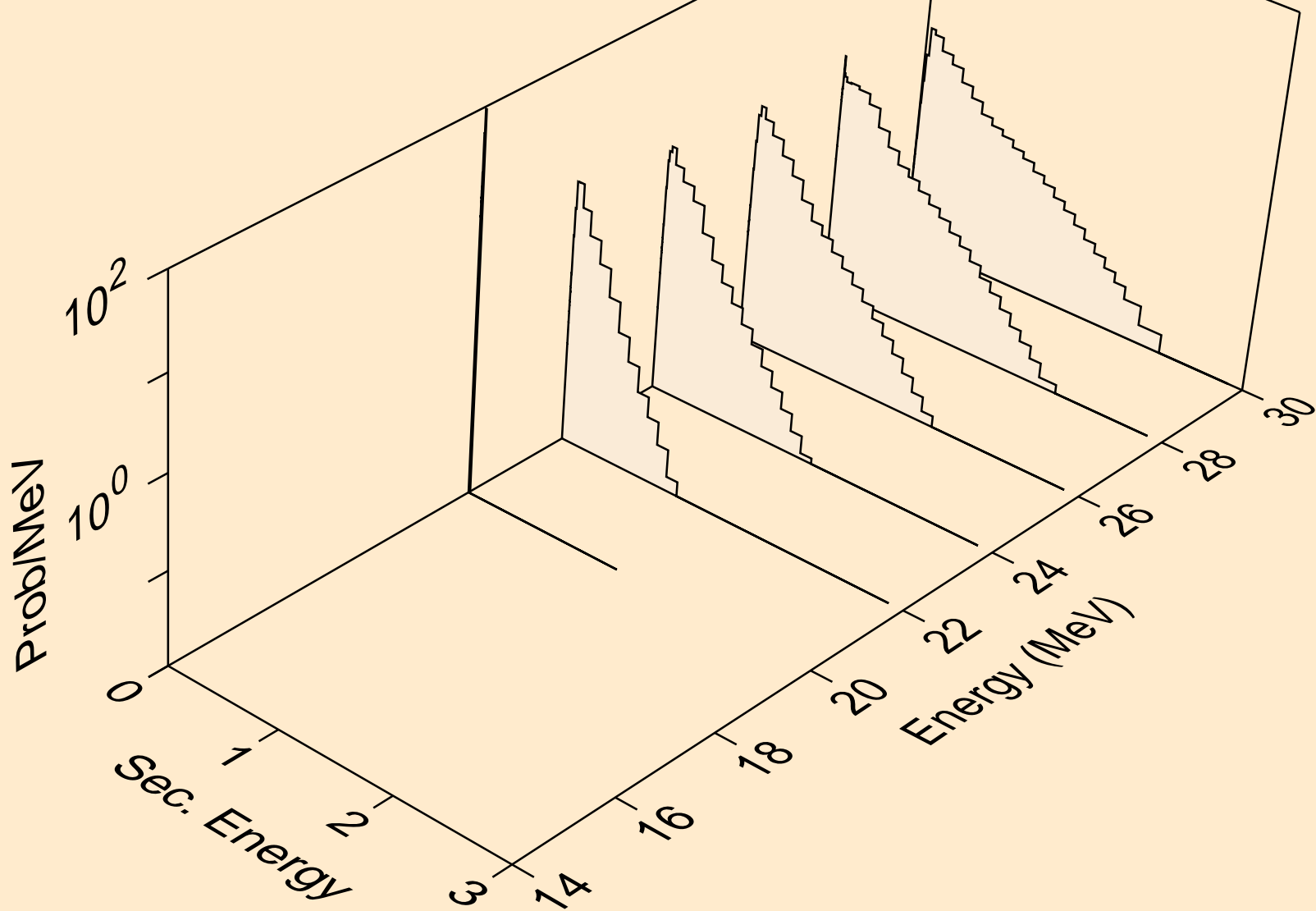
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



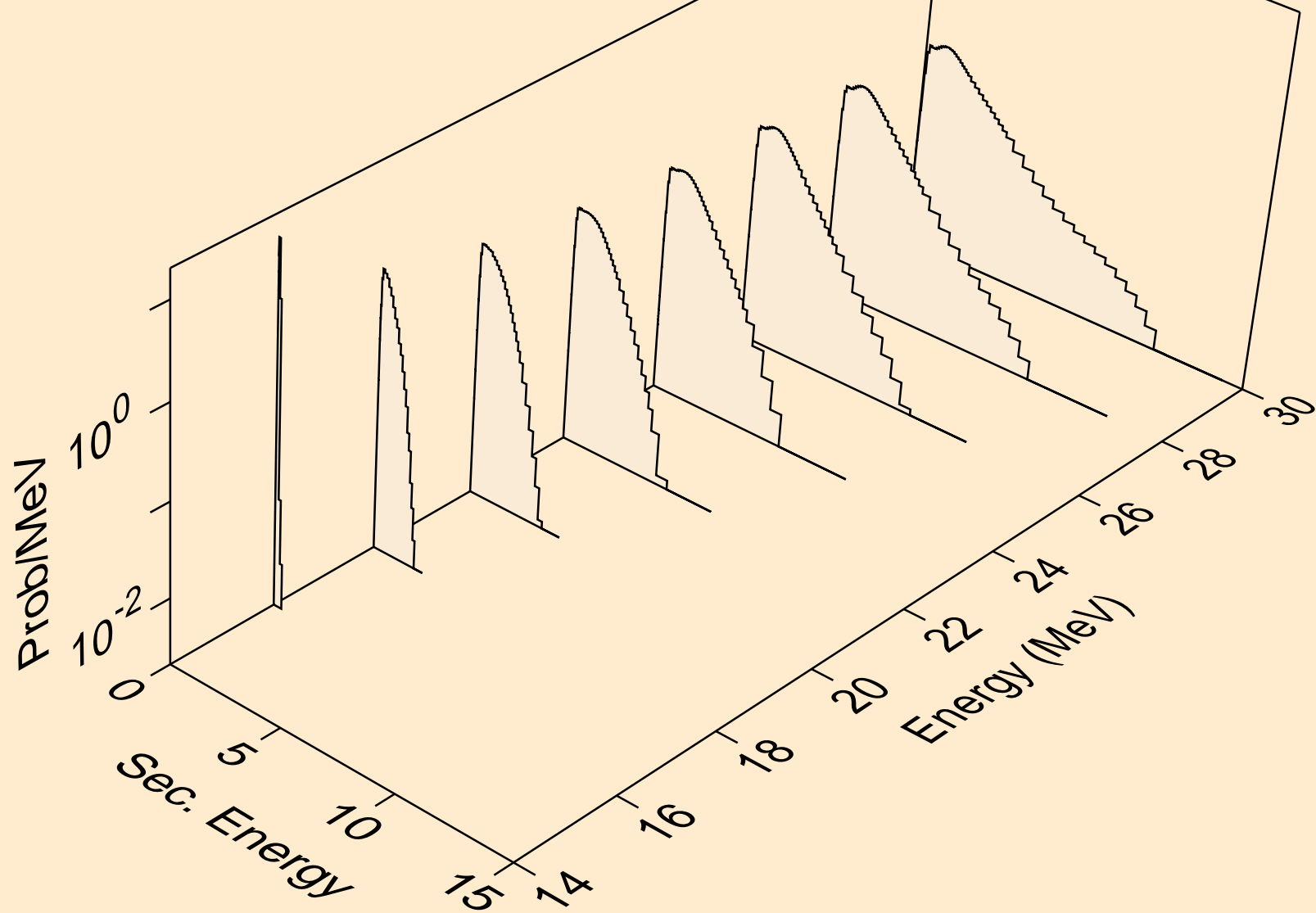
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



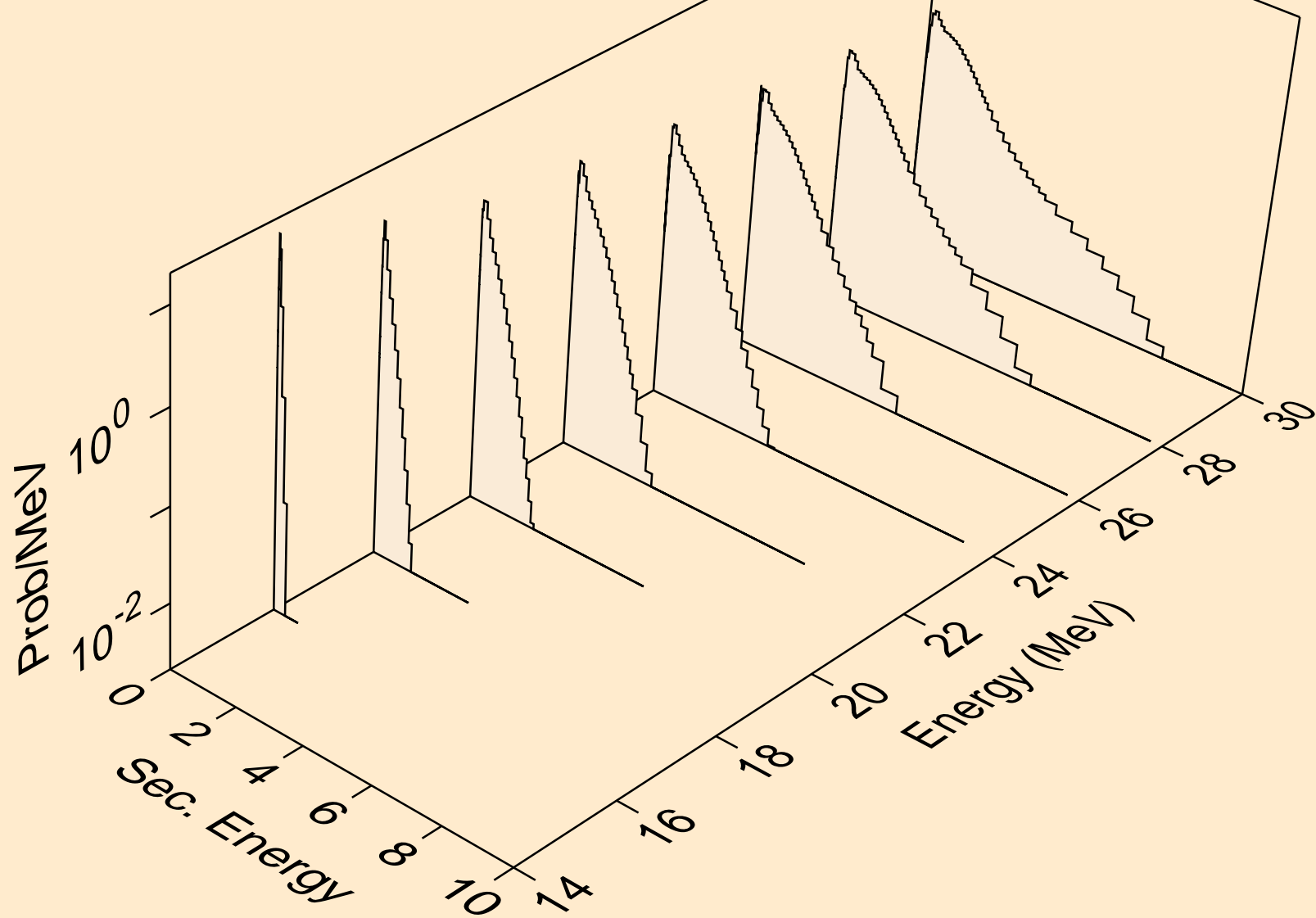
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



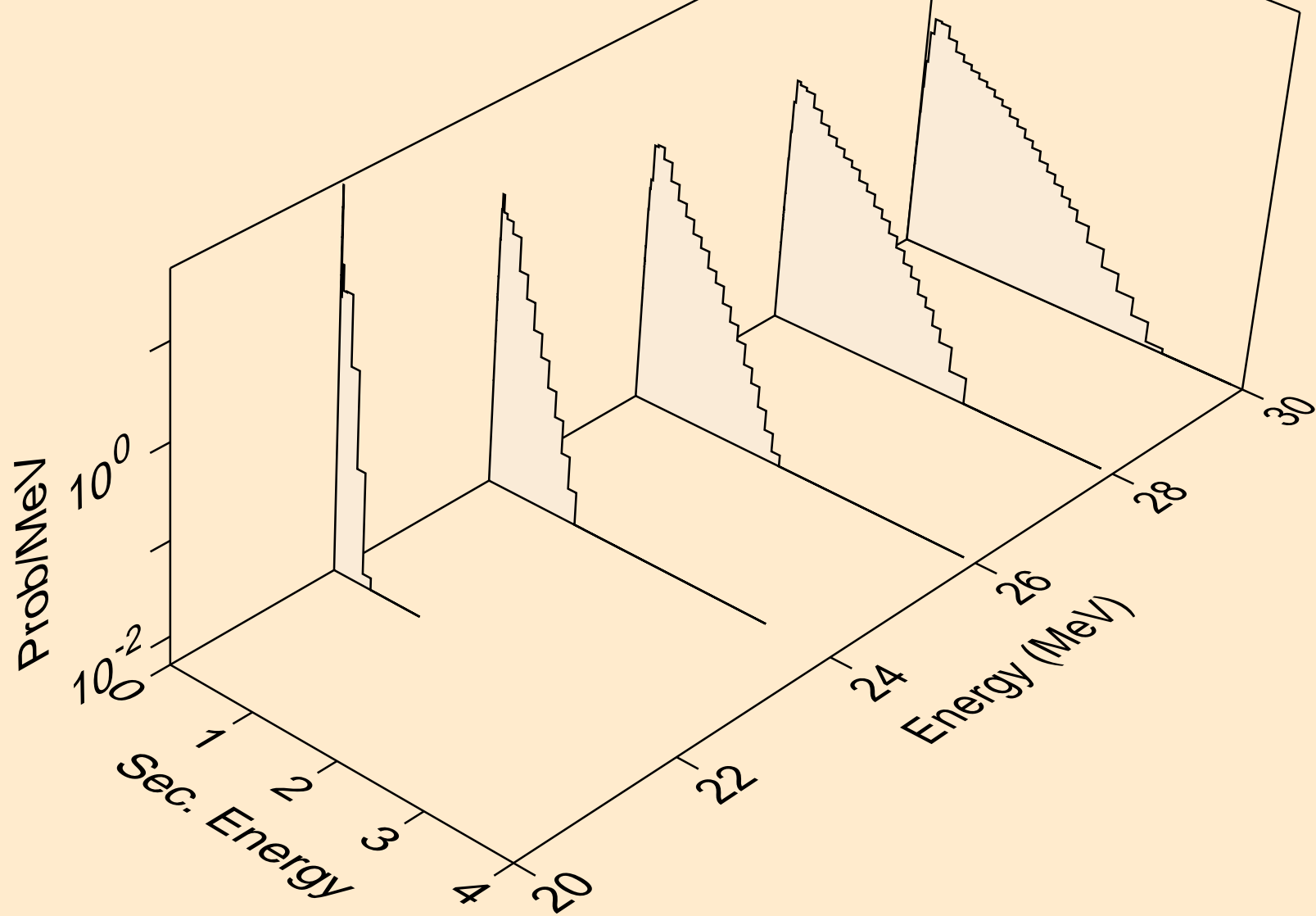
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)



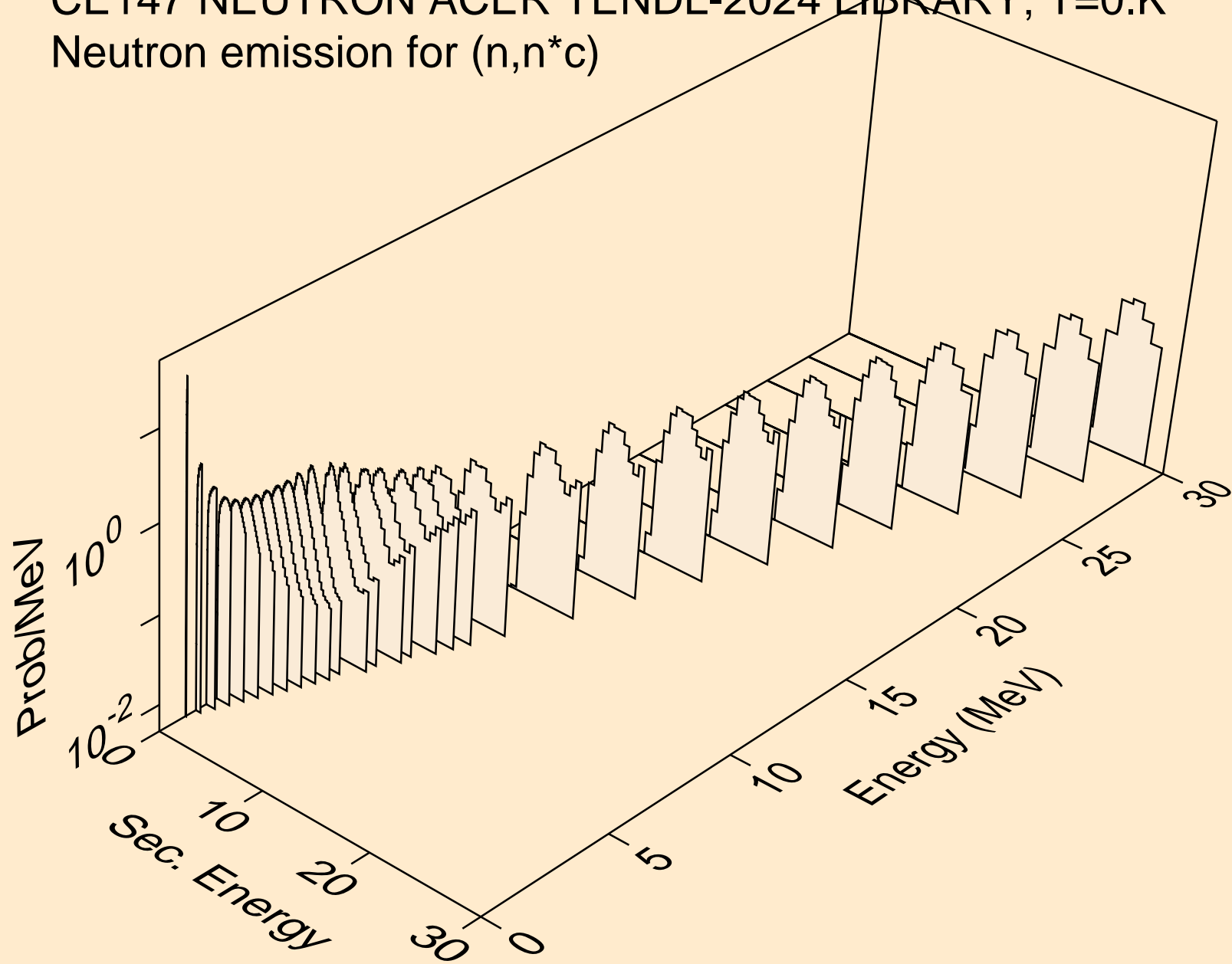
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)

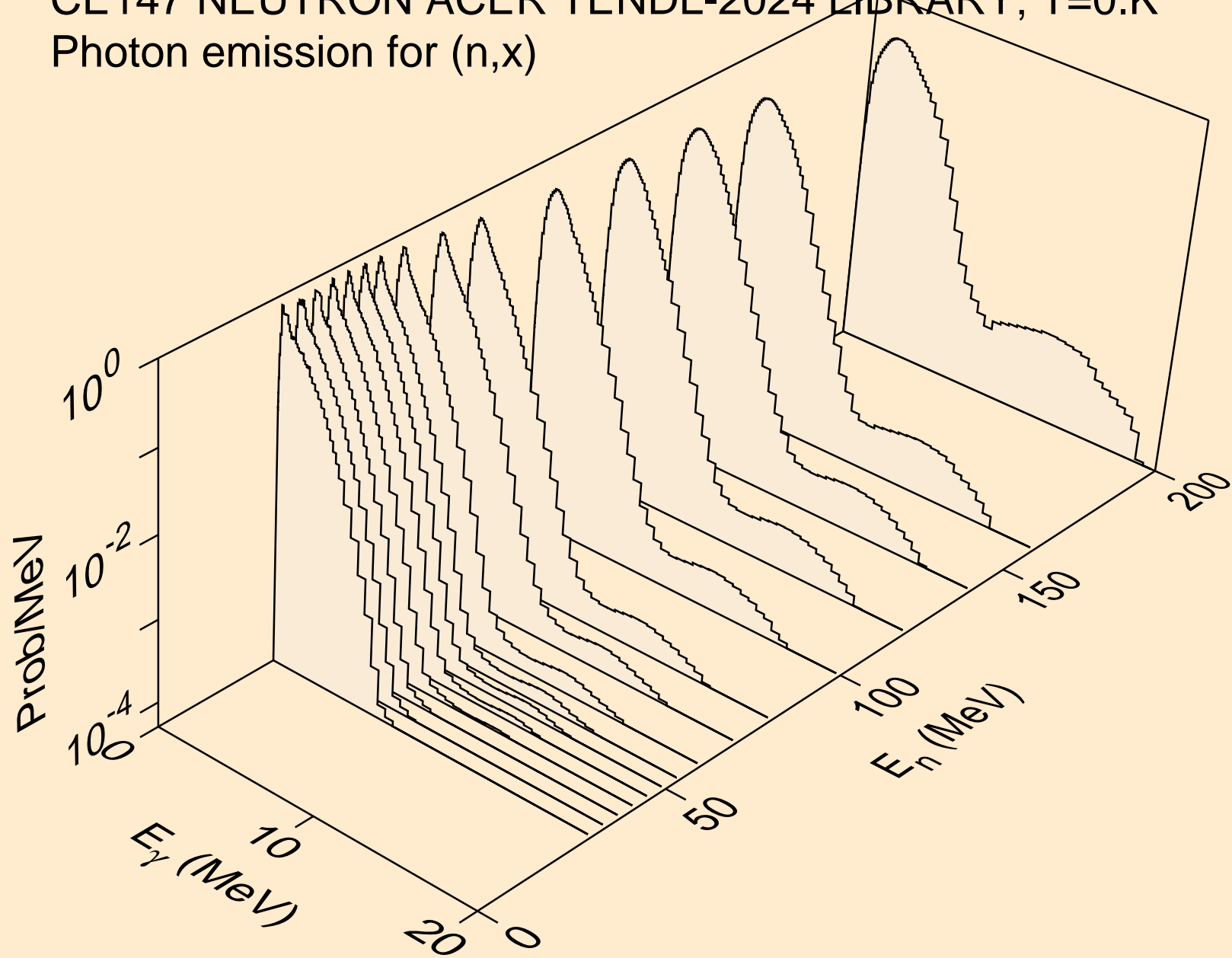


CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)

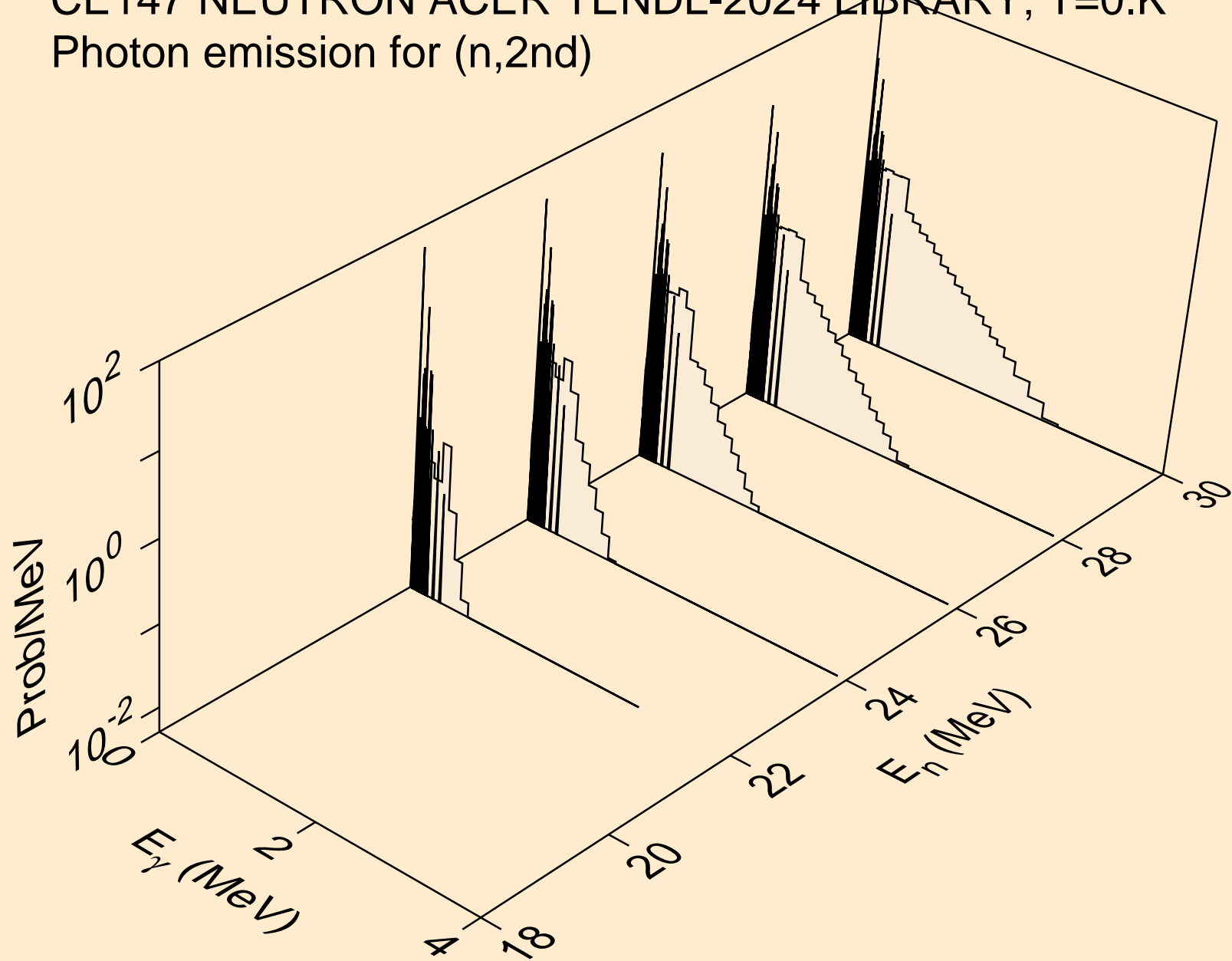




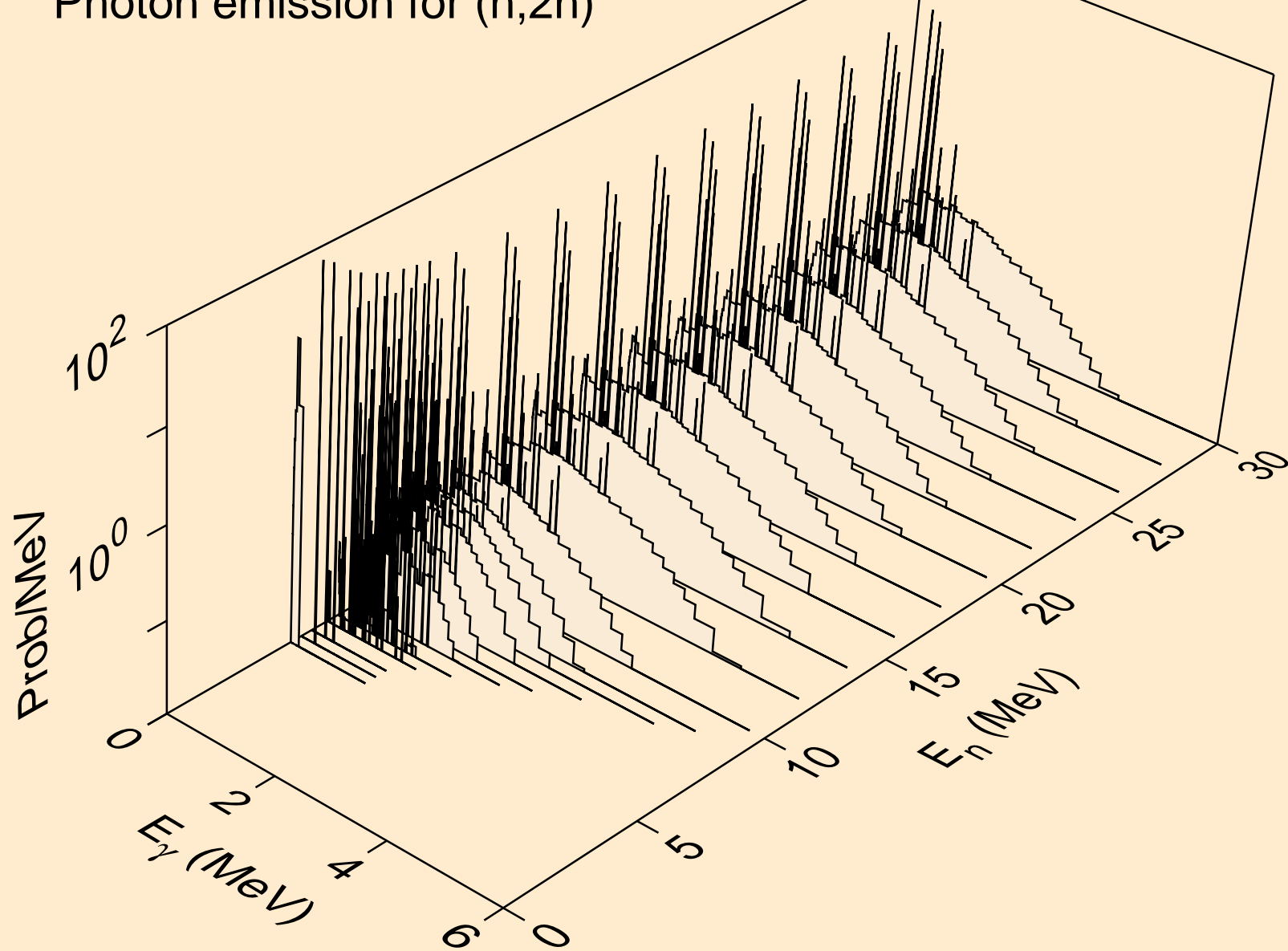
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



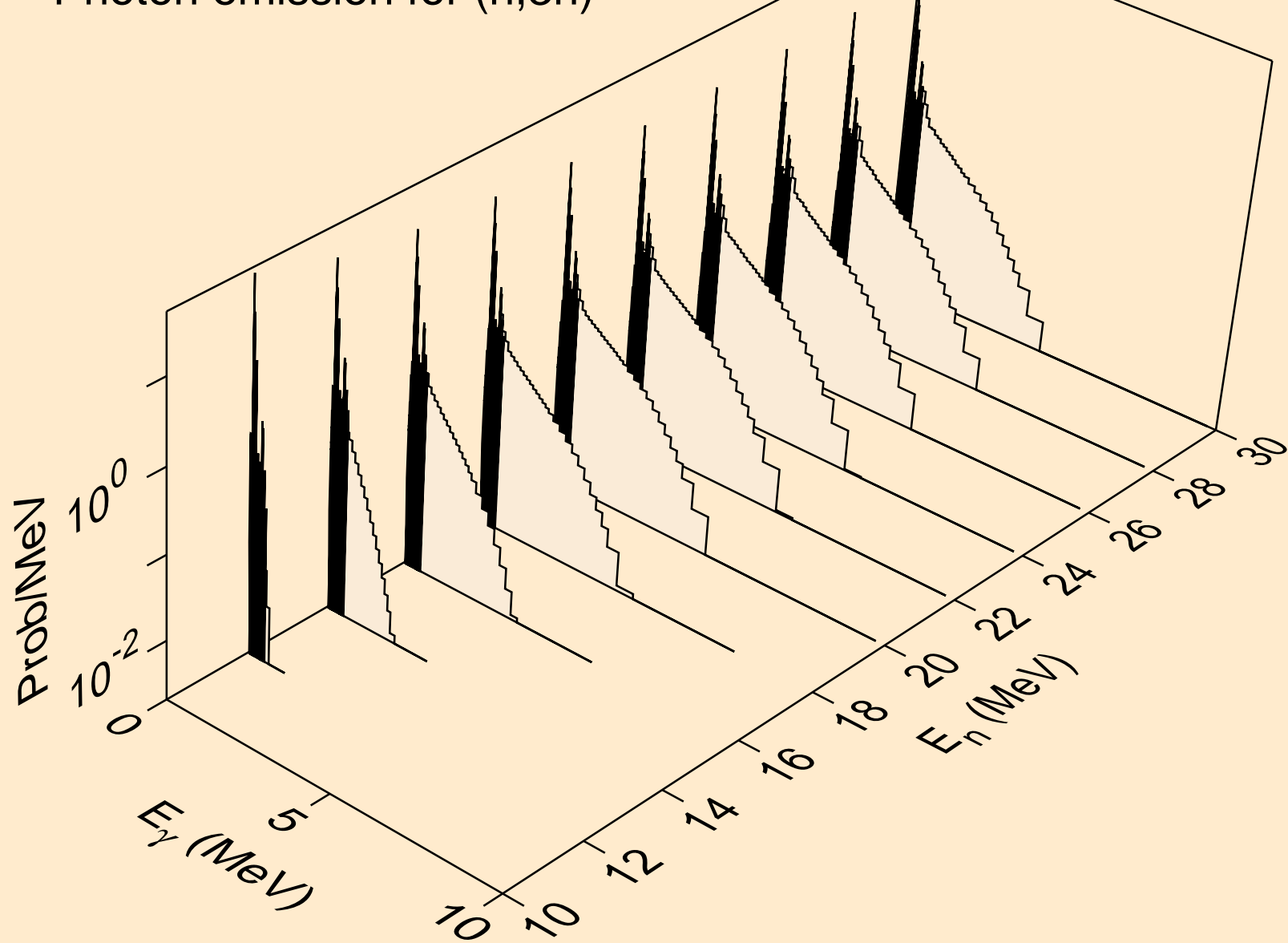
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



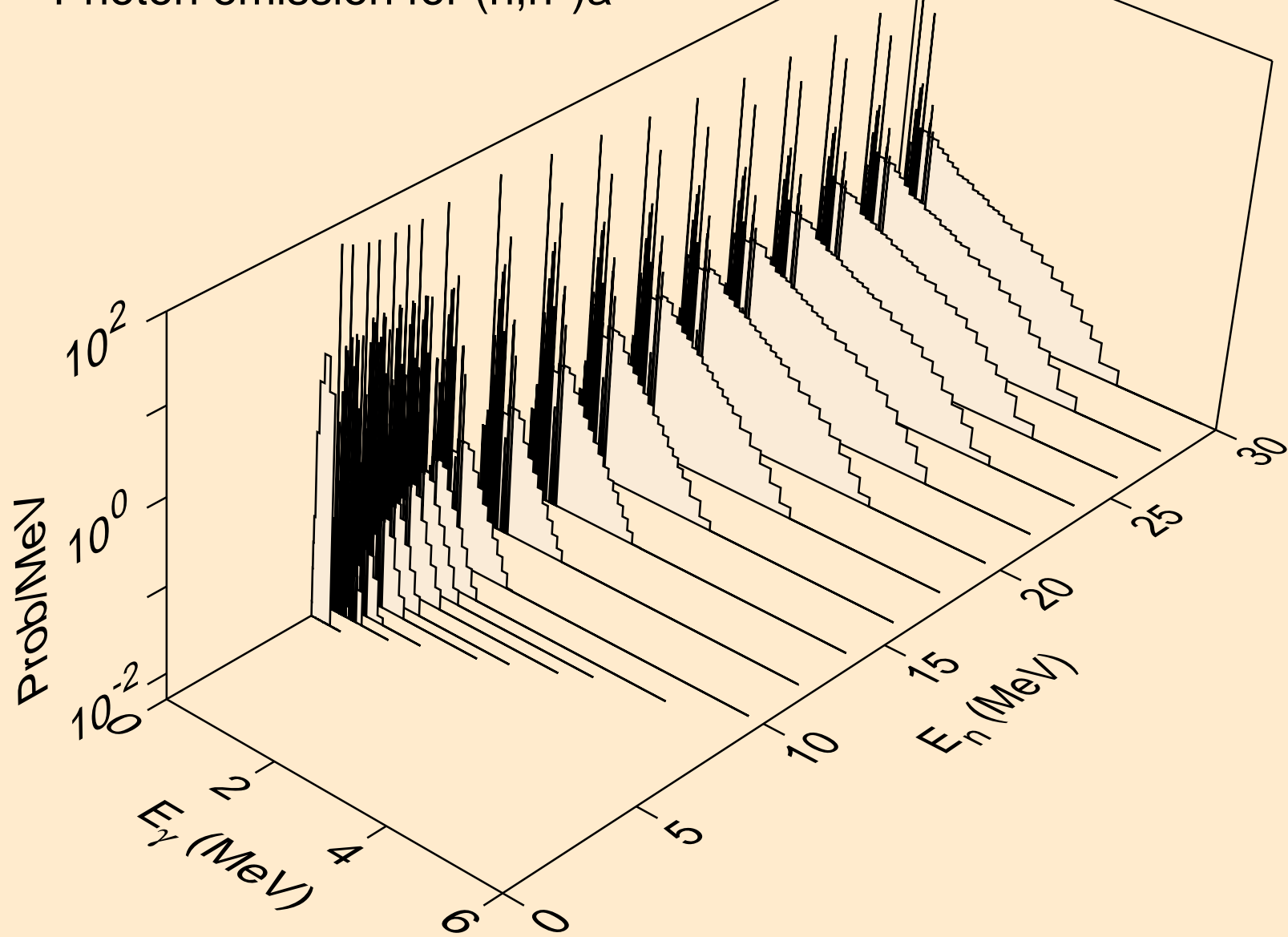
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Photon emission for (n,2n)



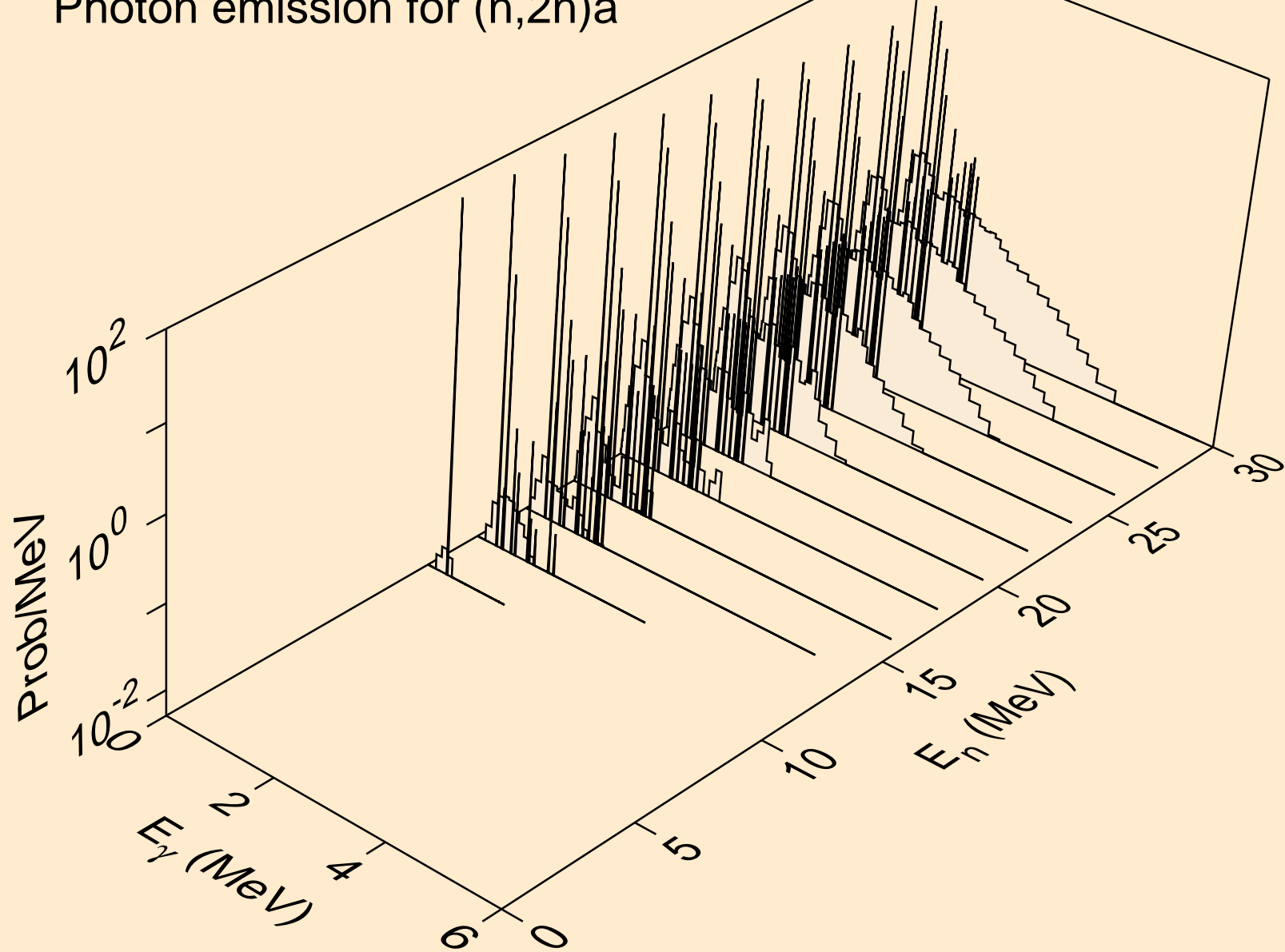
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



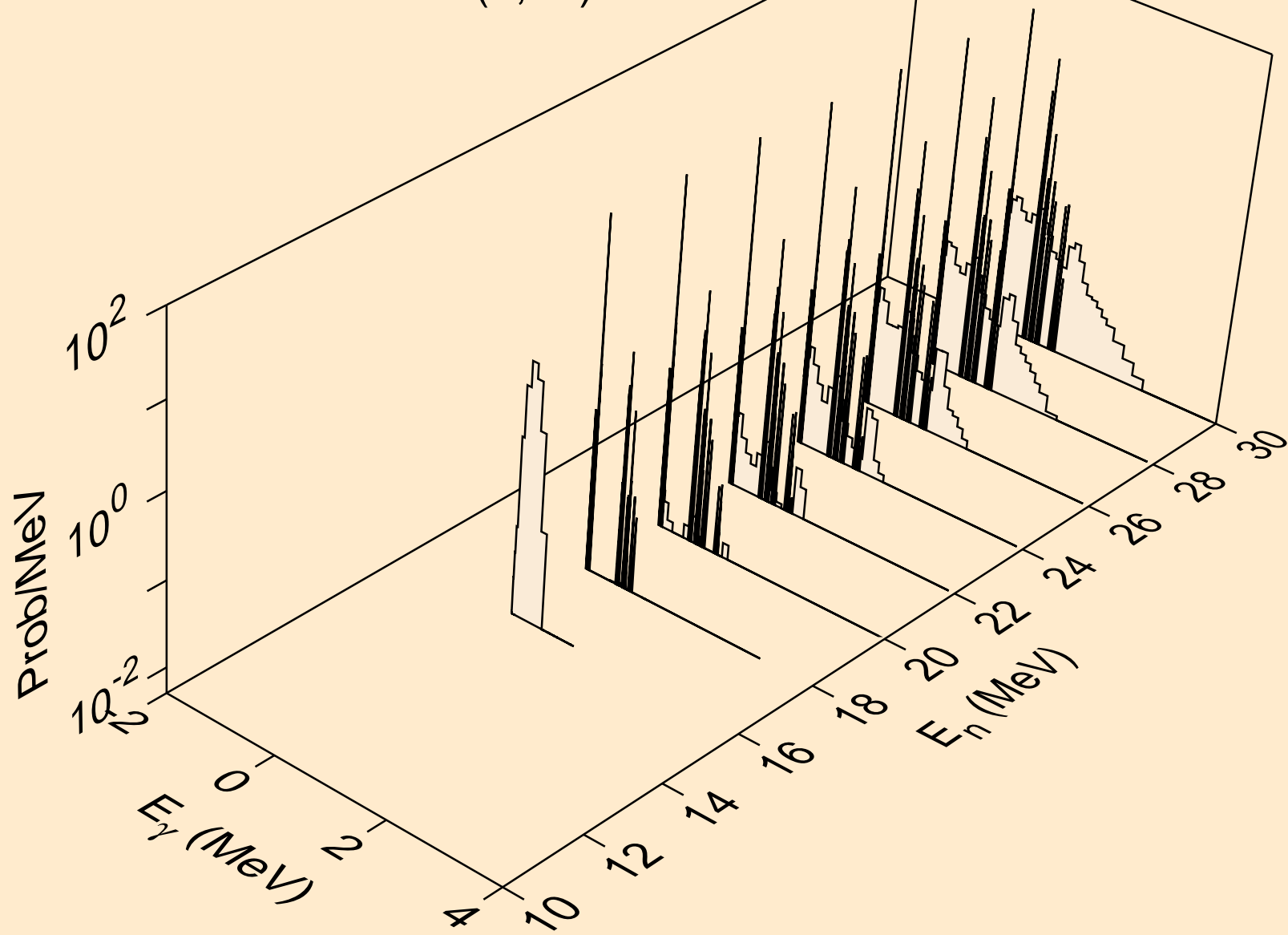
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



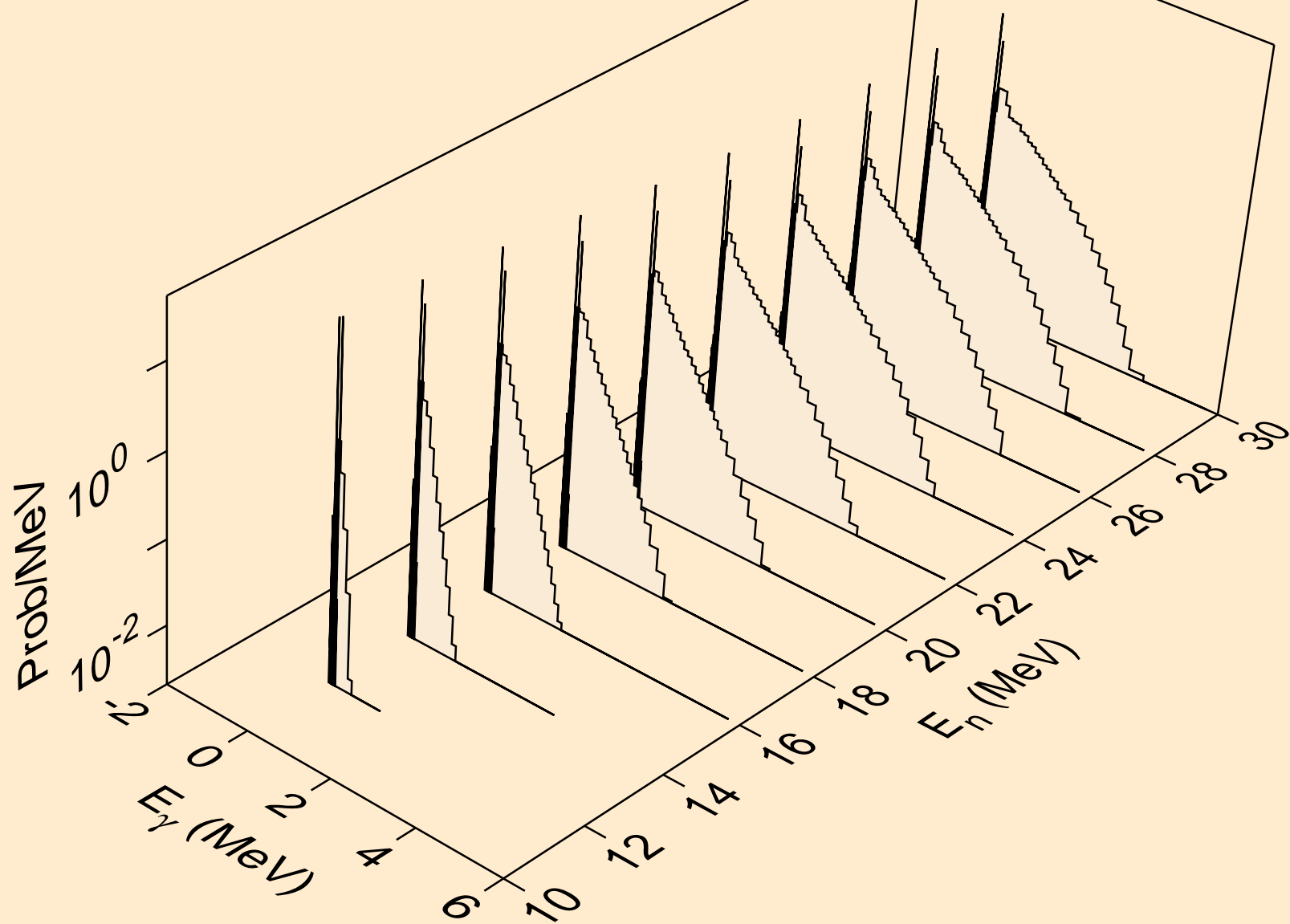
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a

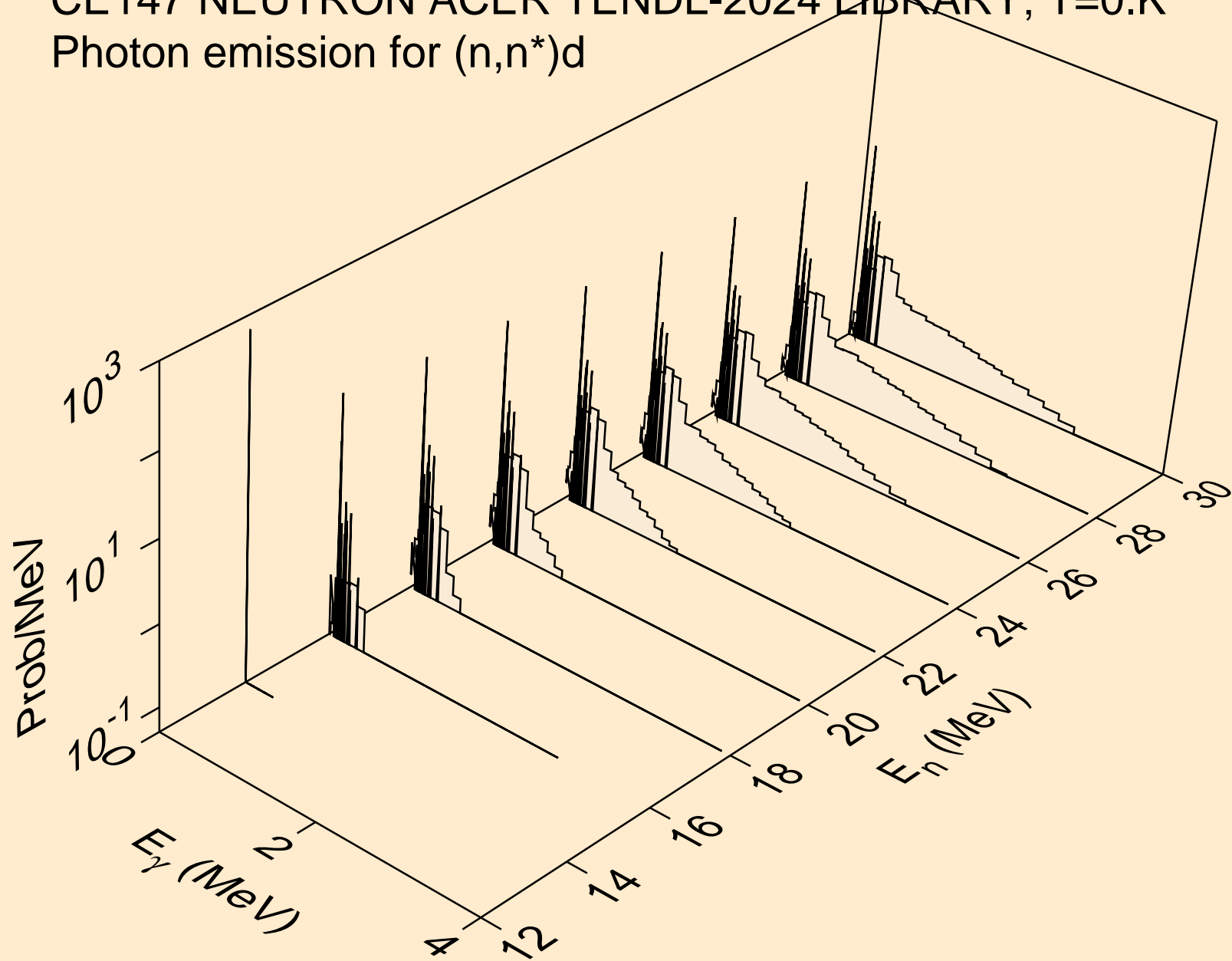


CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

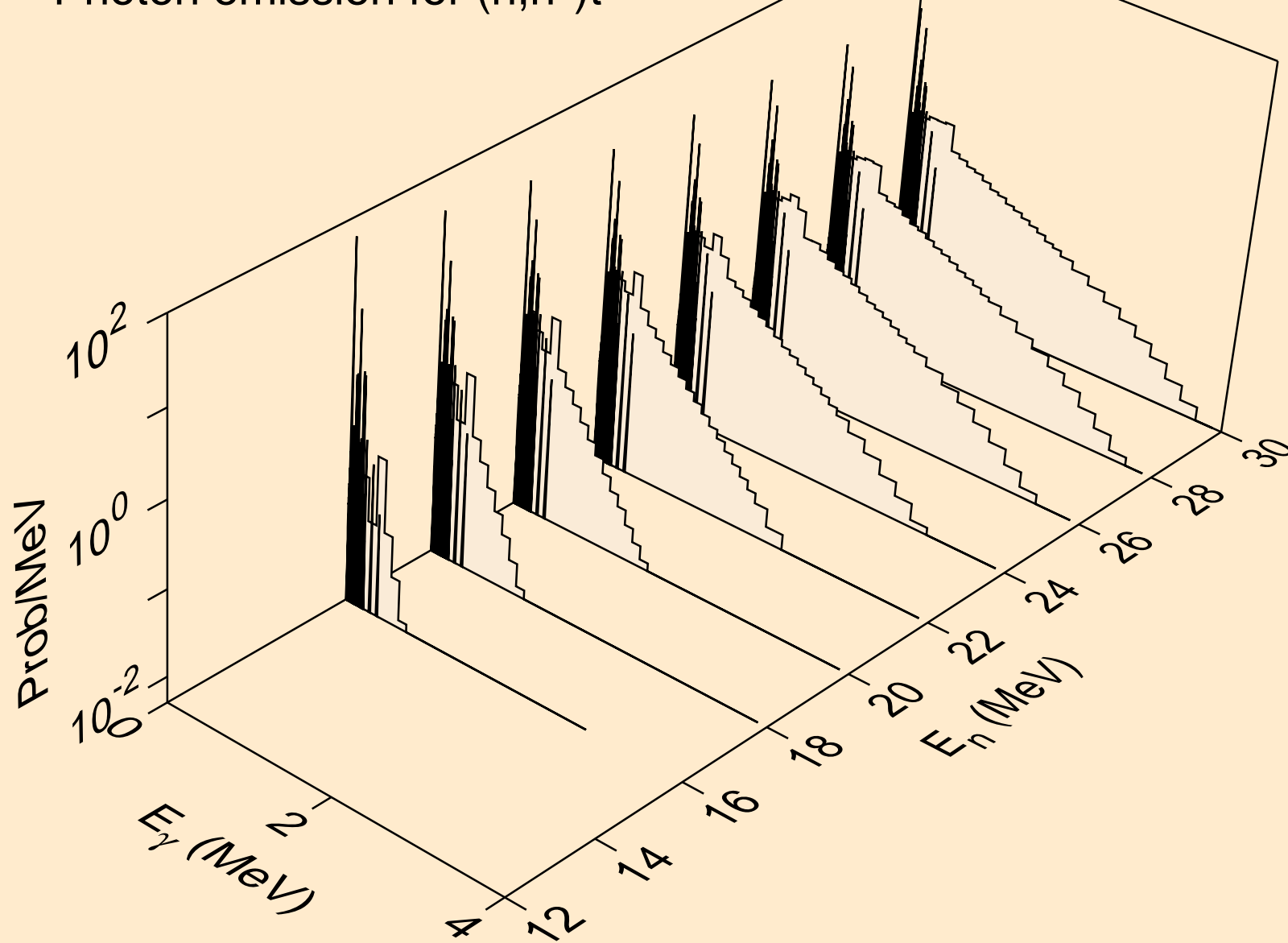




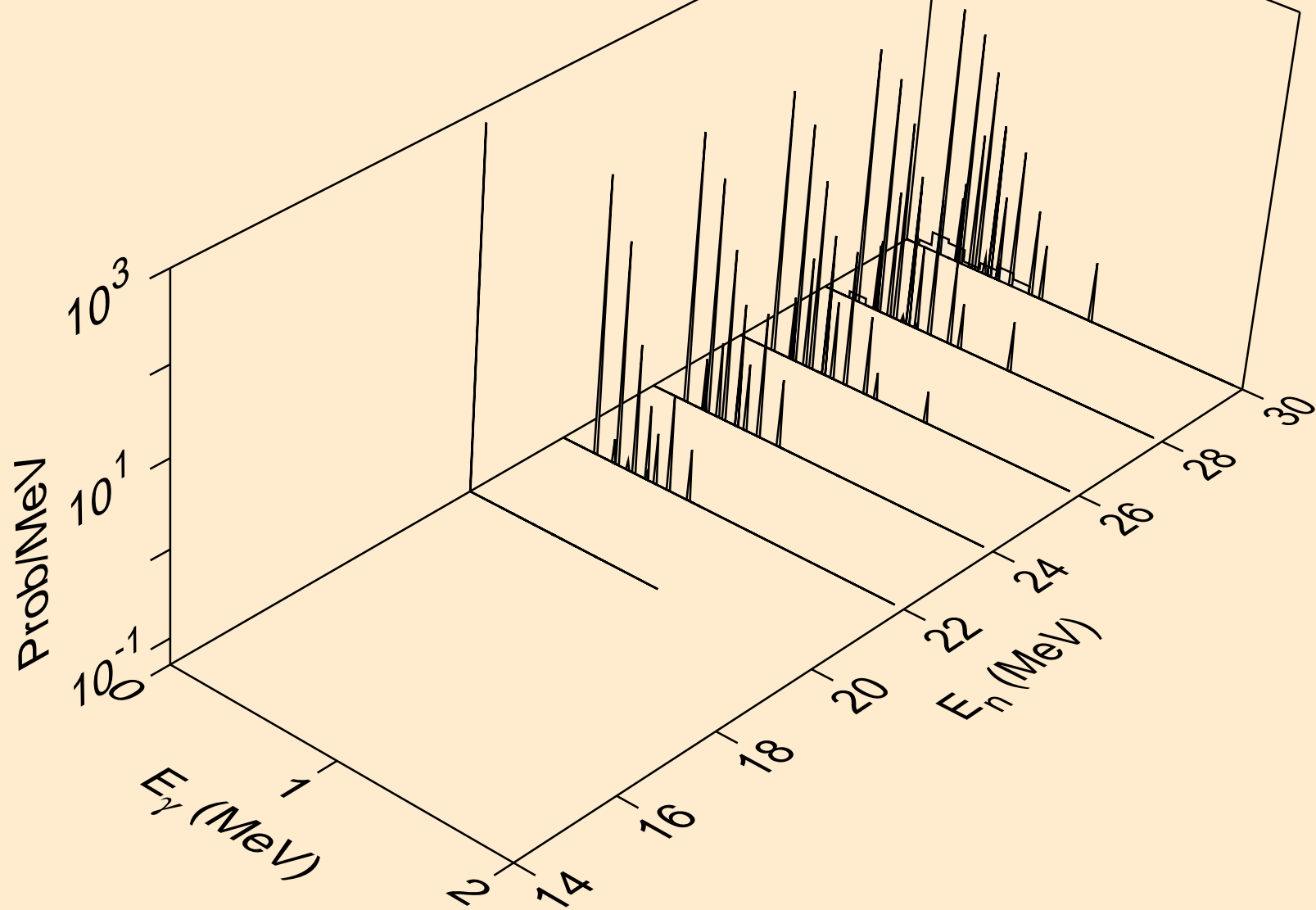
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



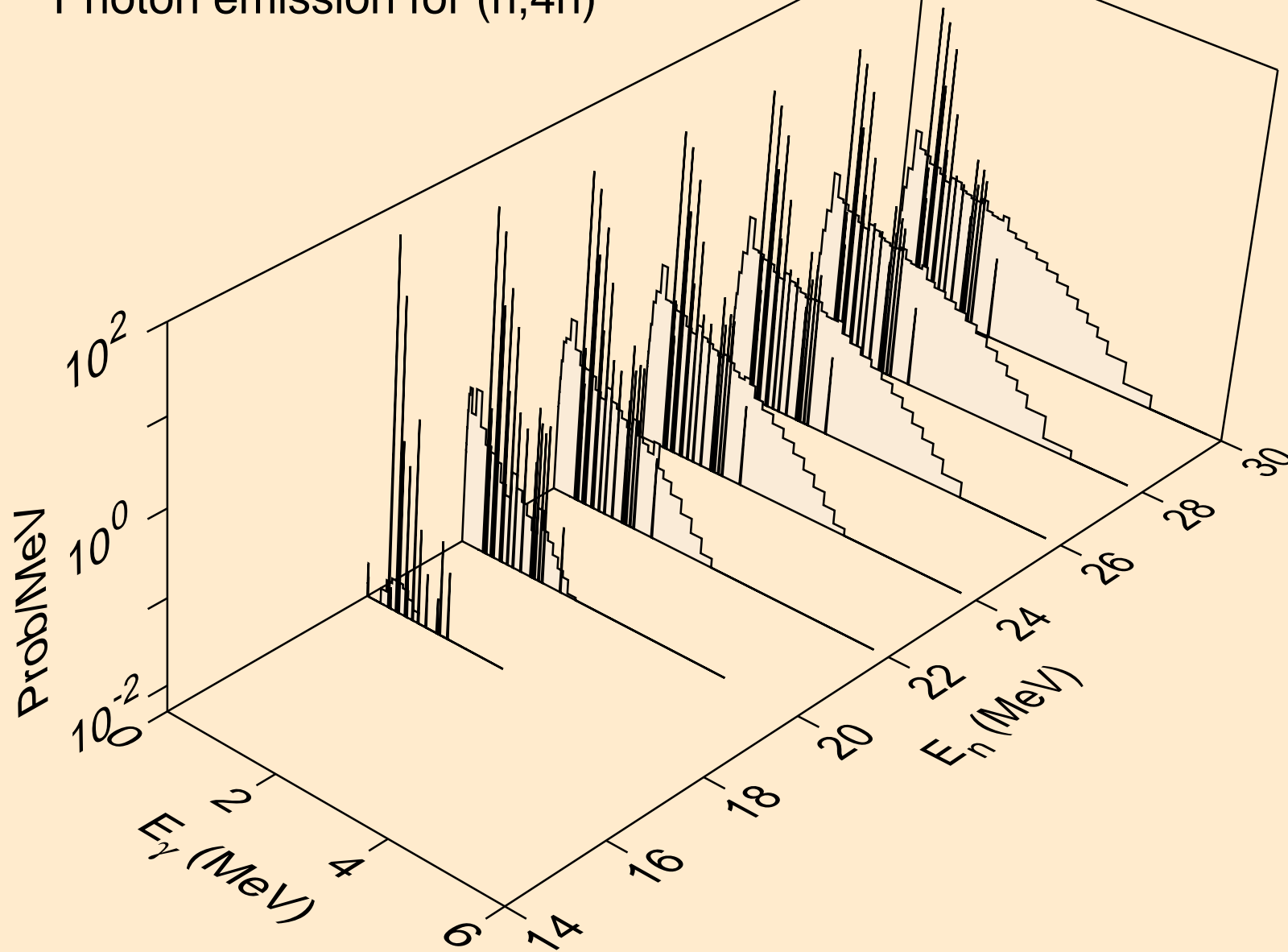
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



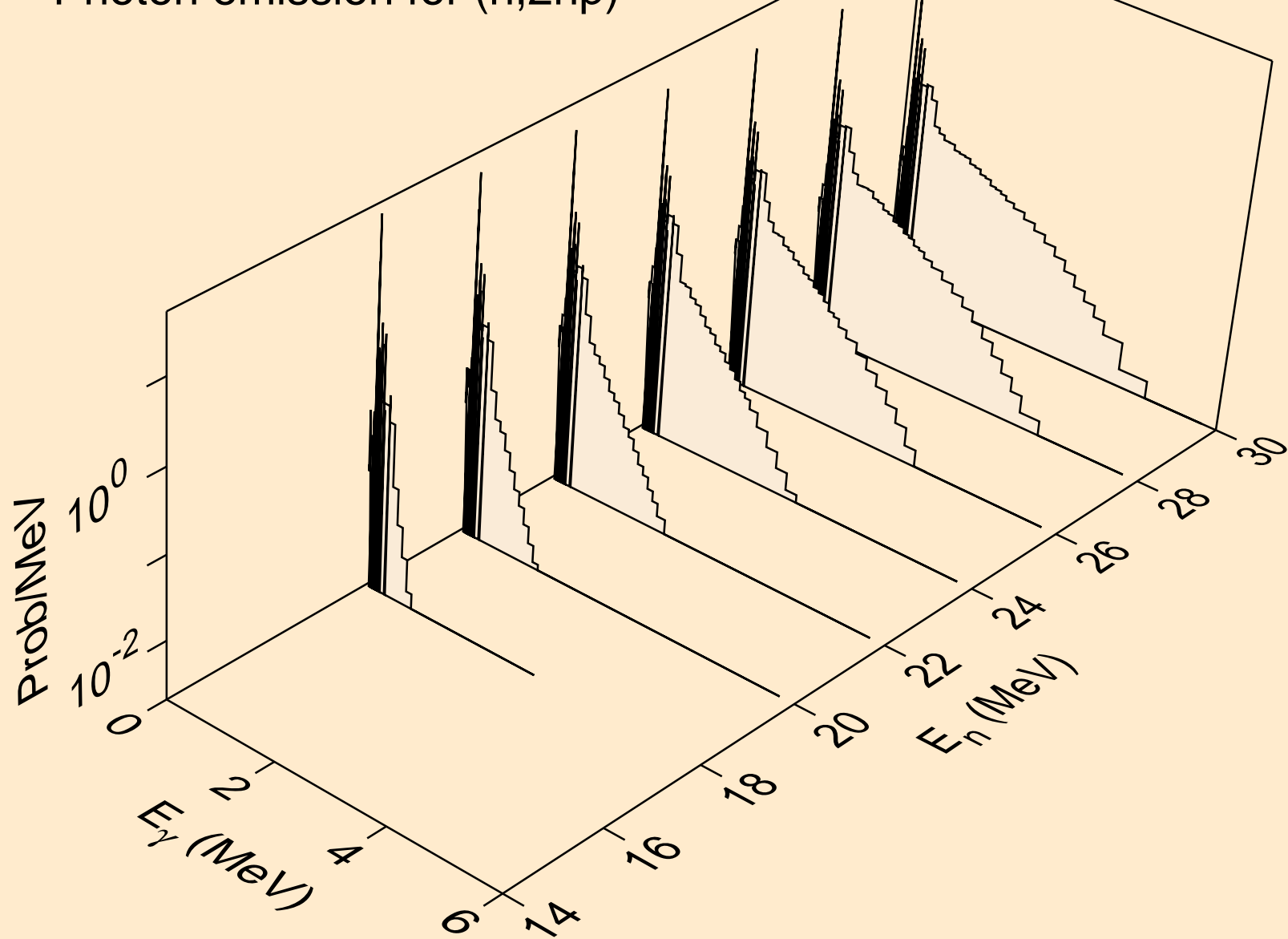
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



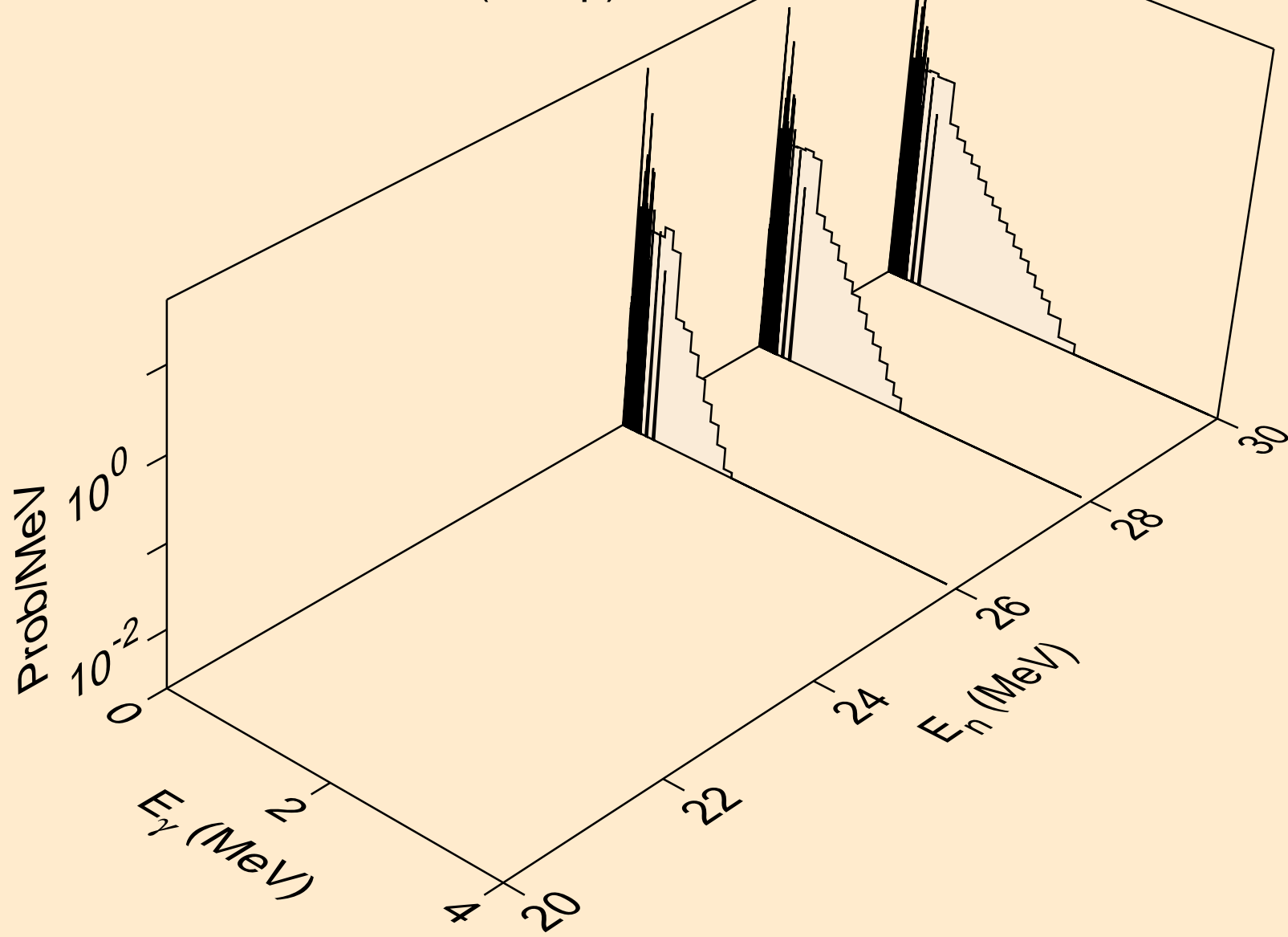
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Photon emission for (n,4n)



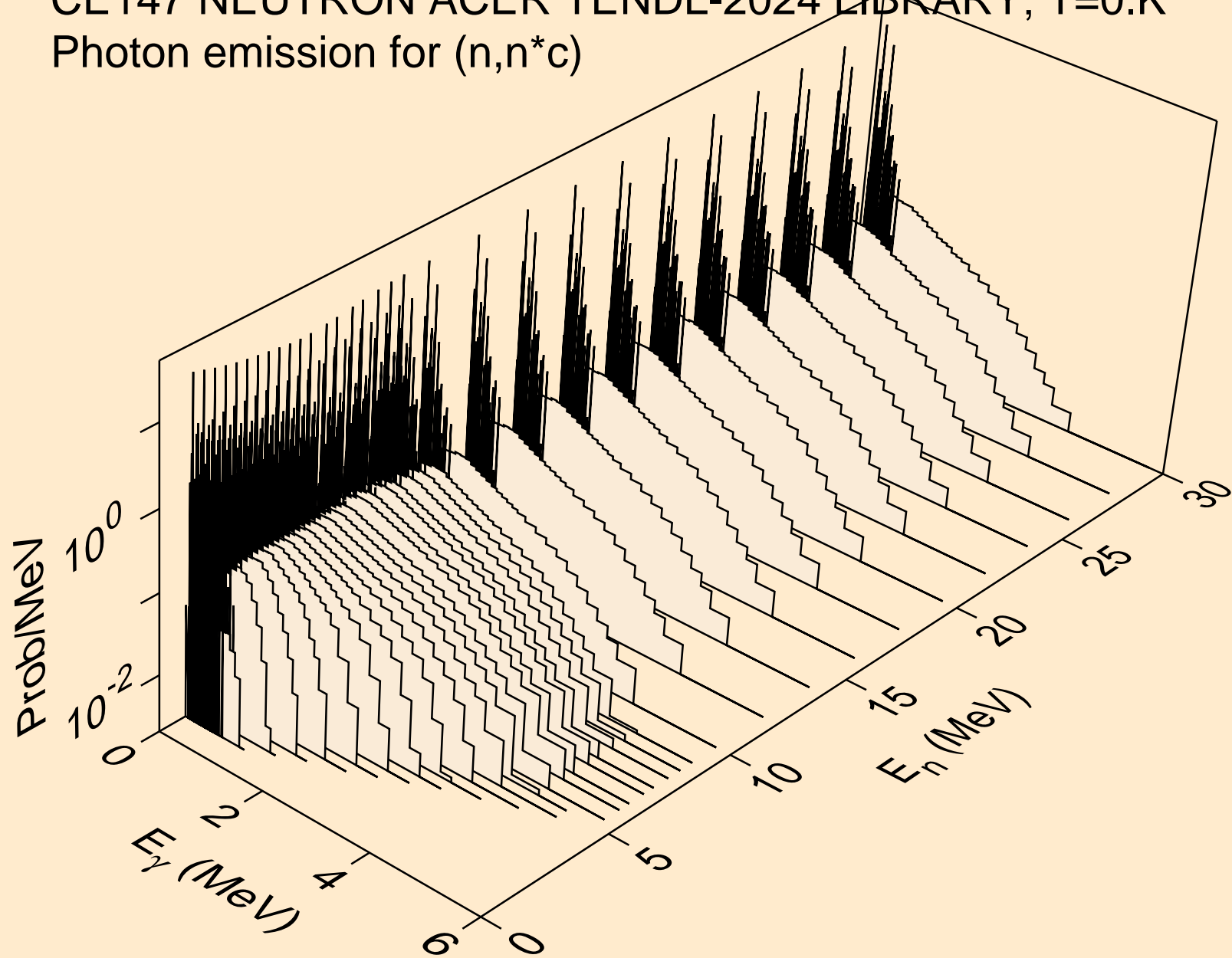
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Photon emission for (n,2np)



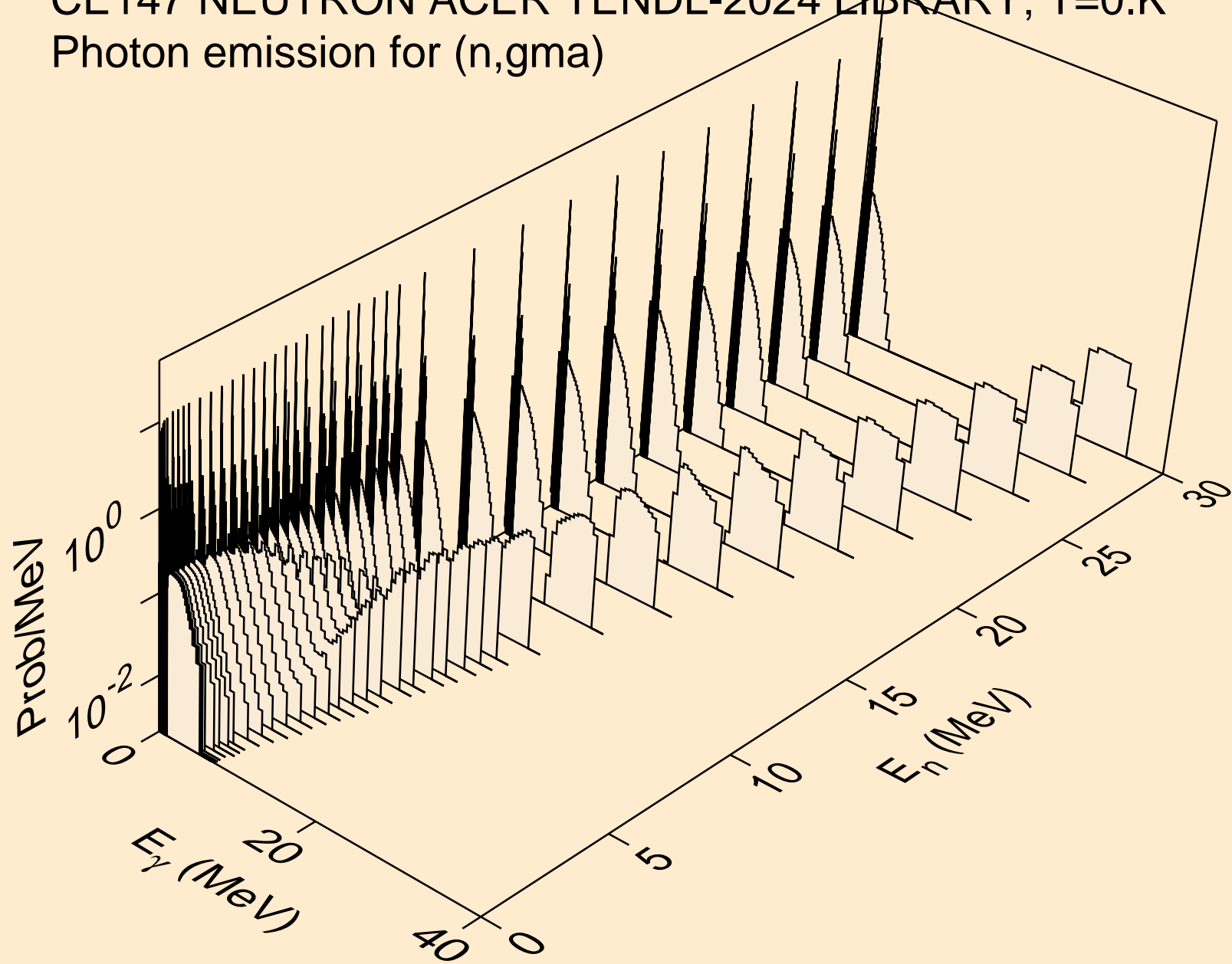
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)



CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)

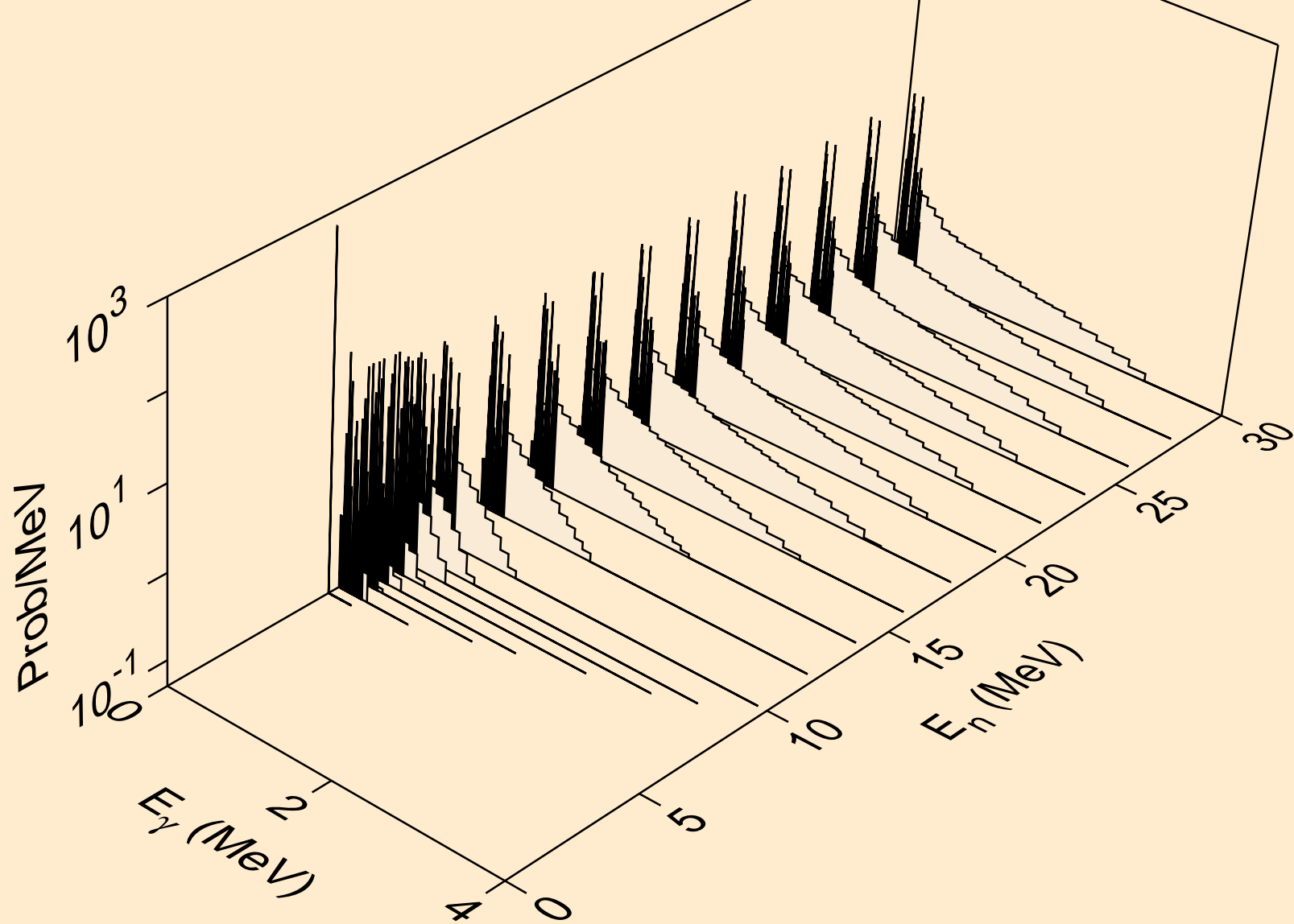


CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)

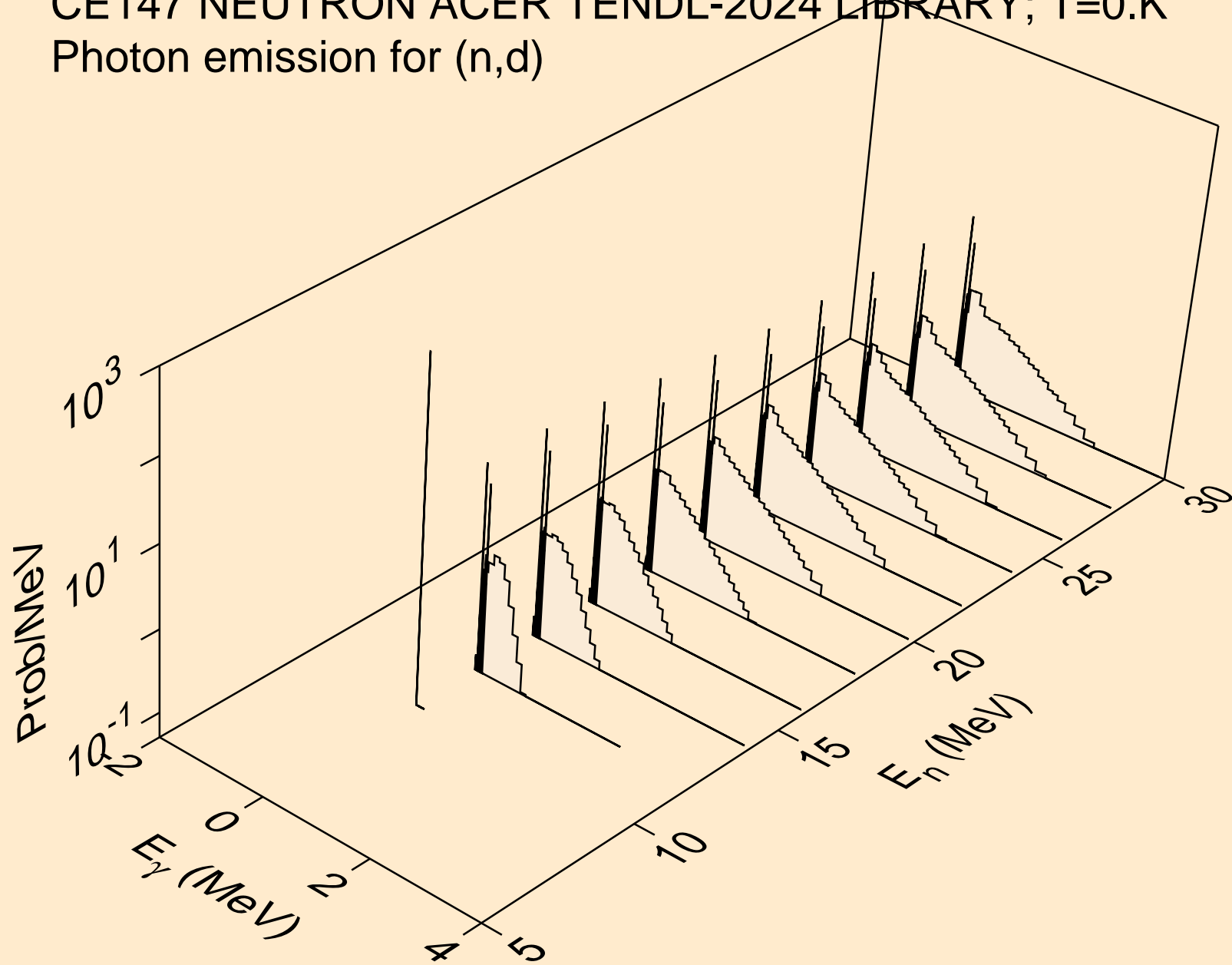




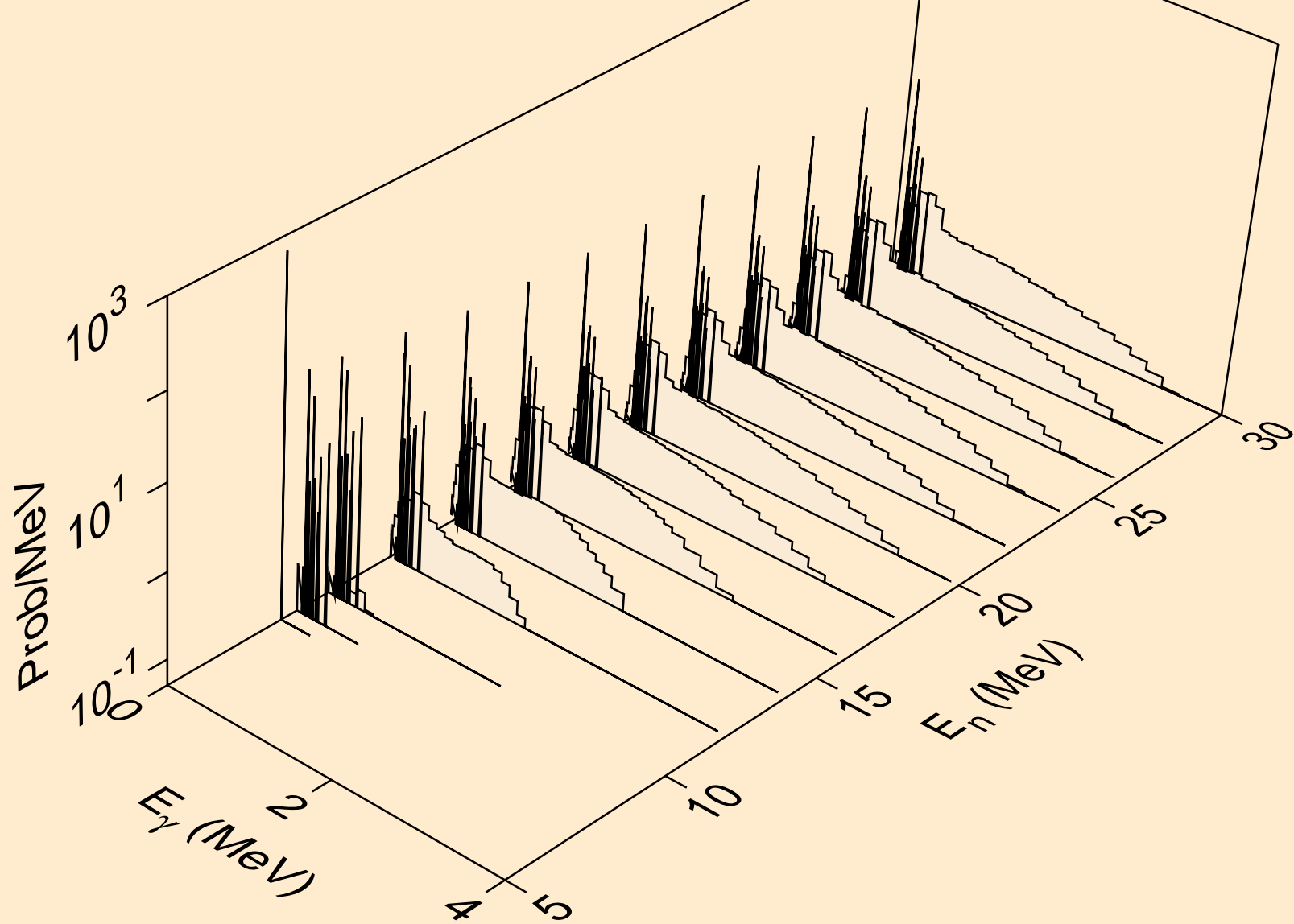
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



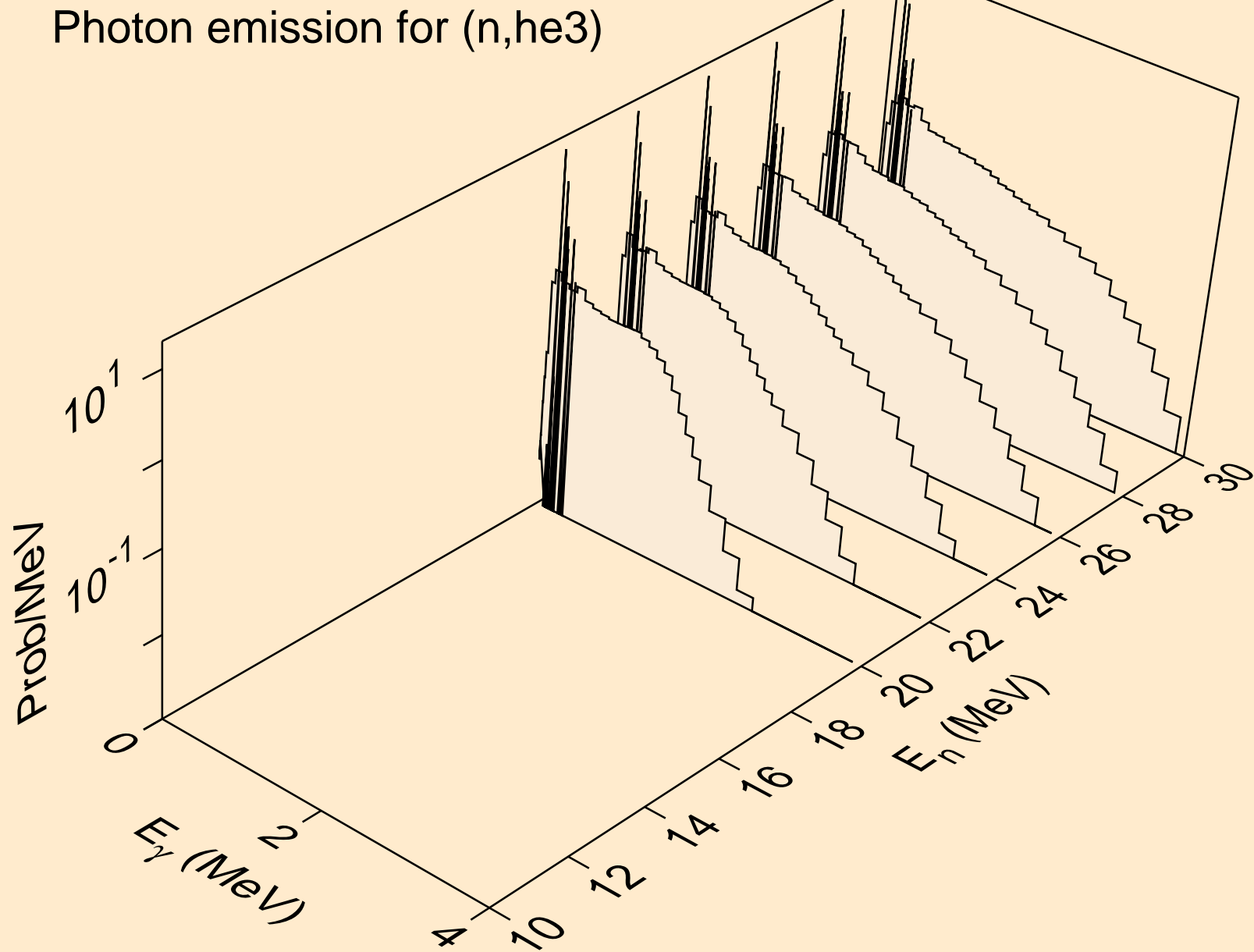
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



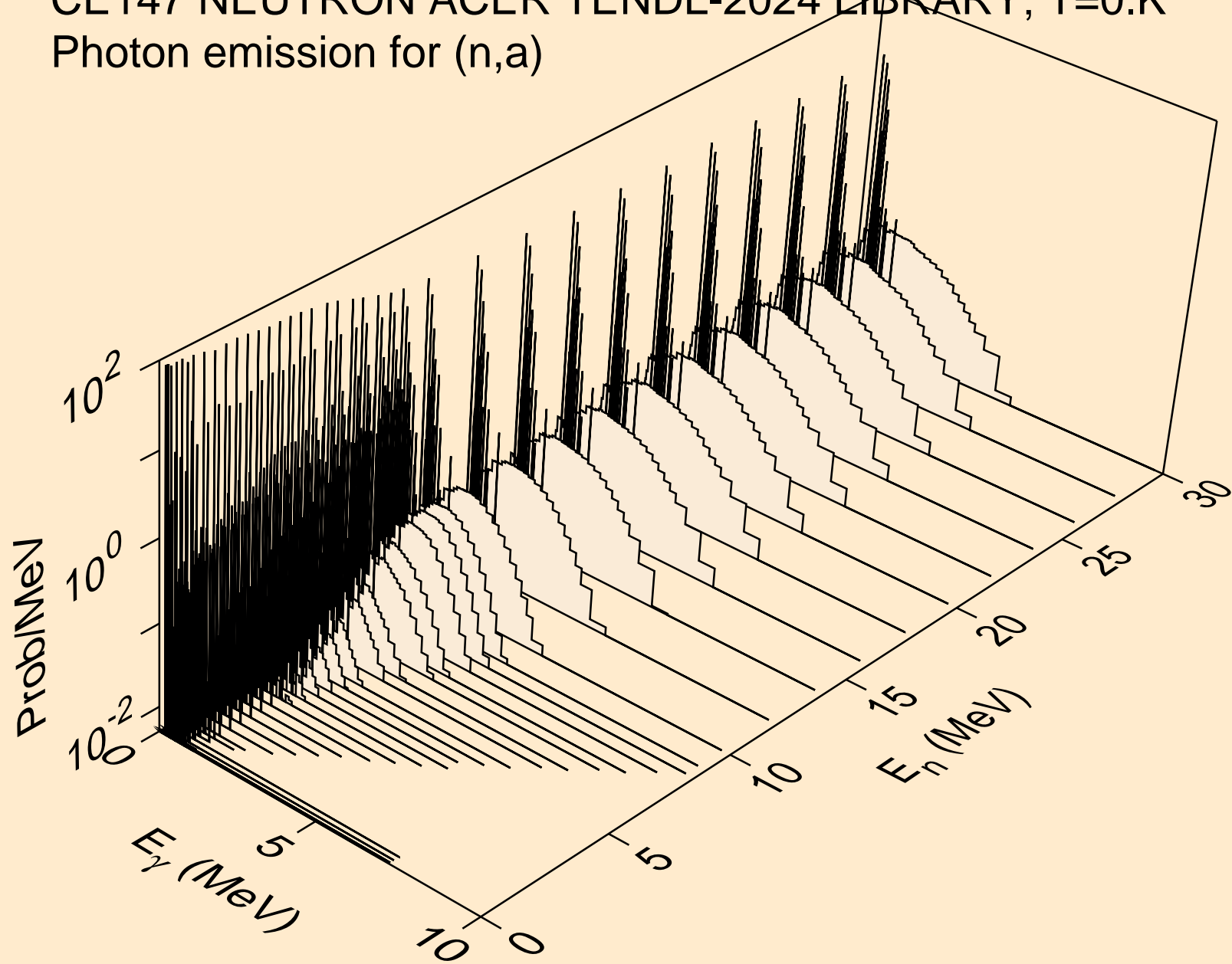
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Photon emission for (n,t)



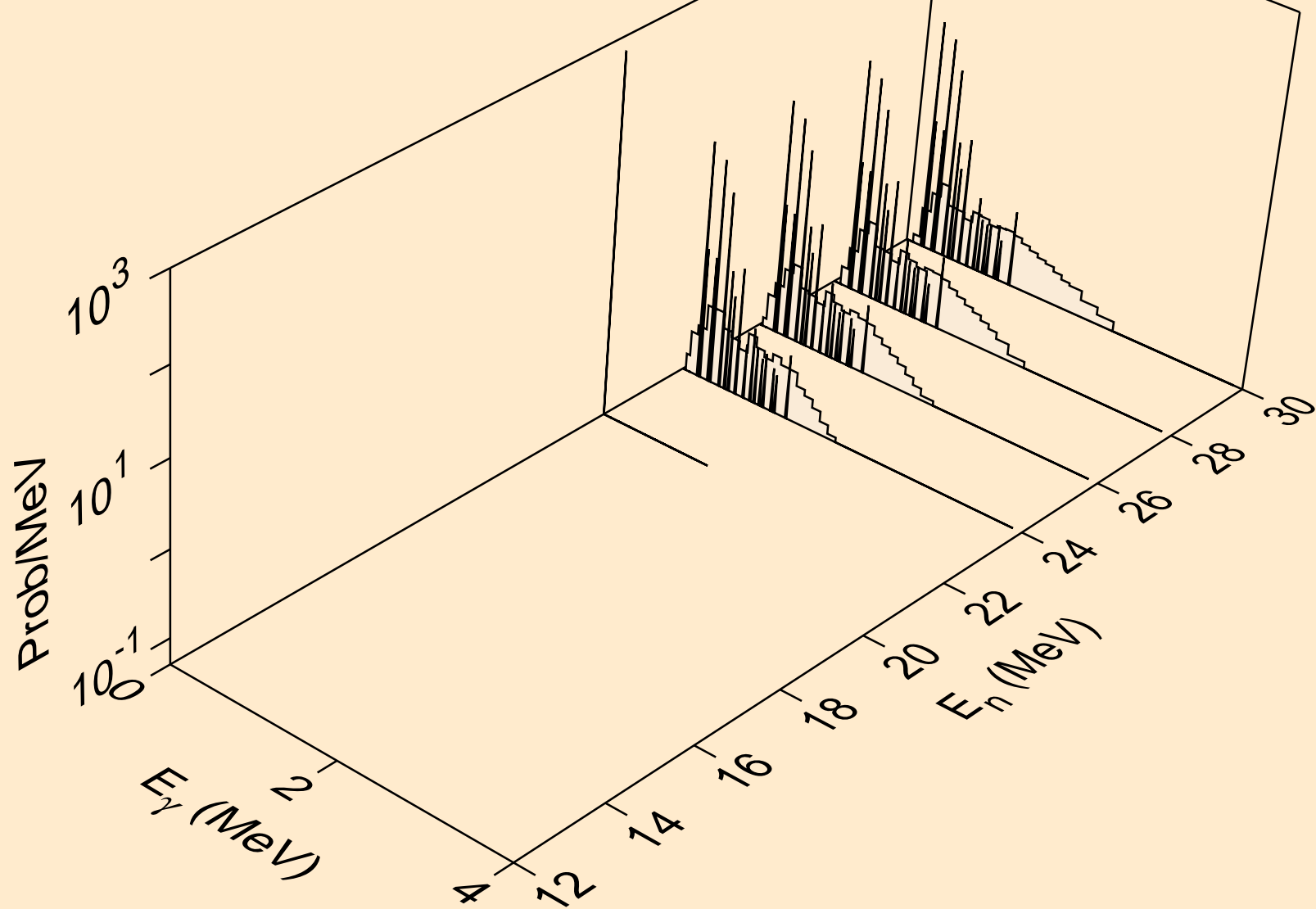
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



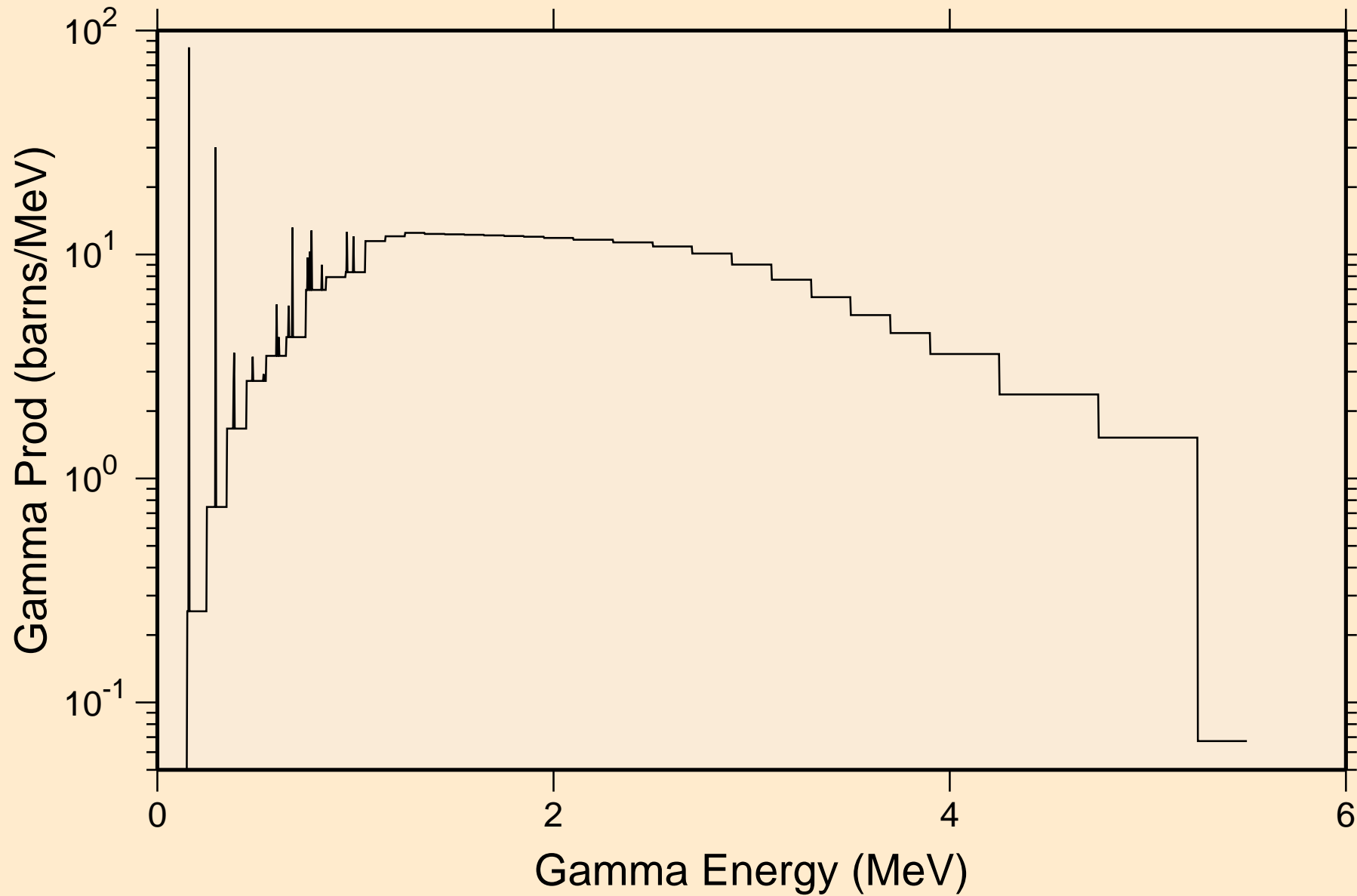
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



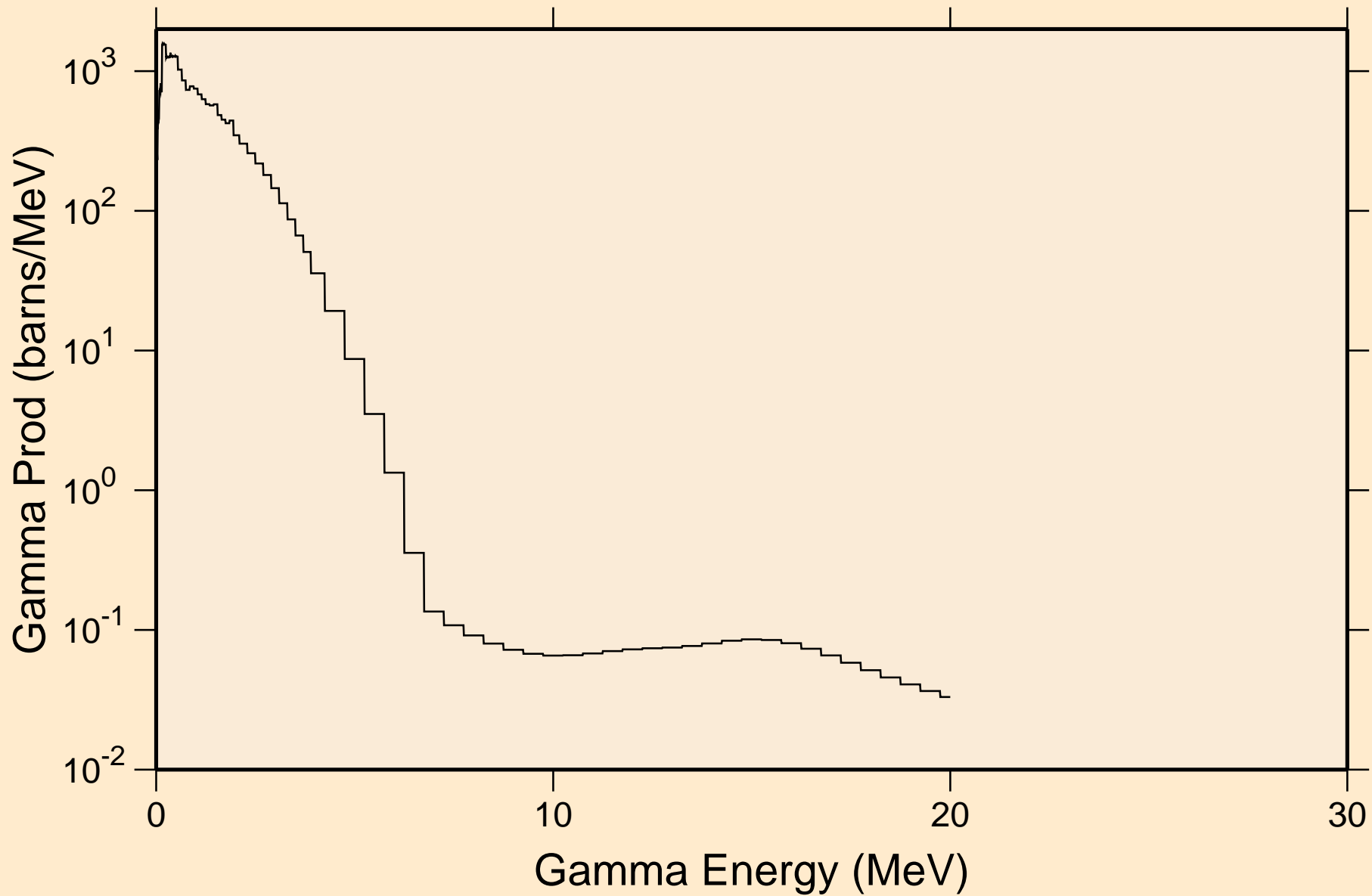
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum



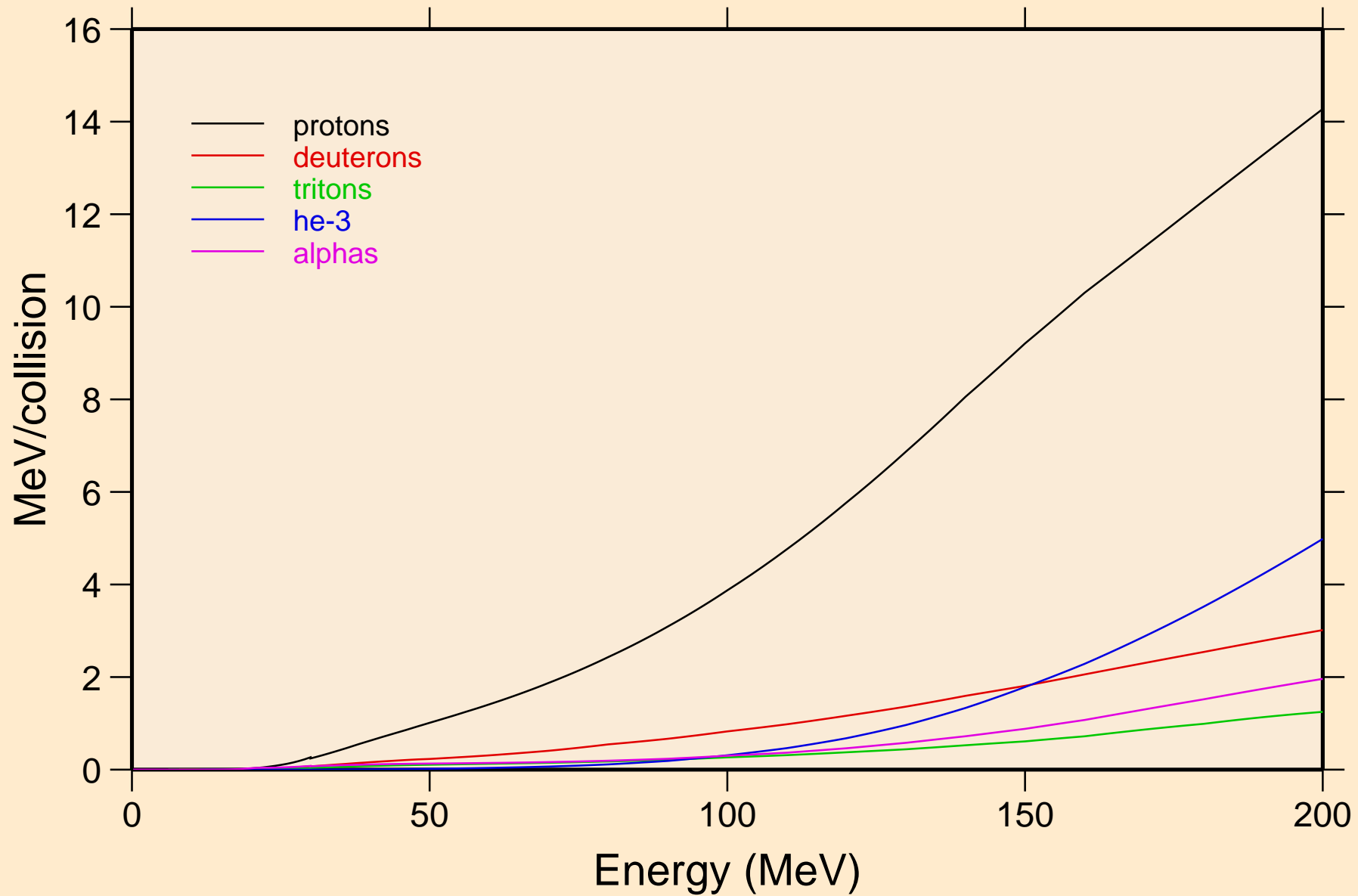
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum





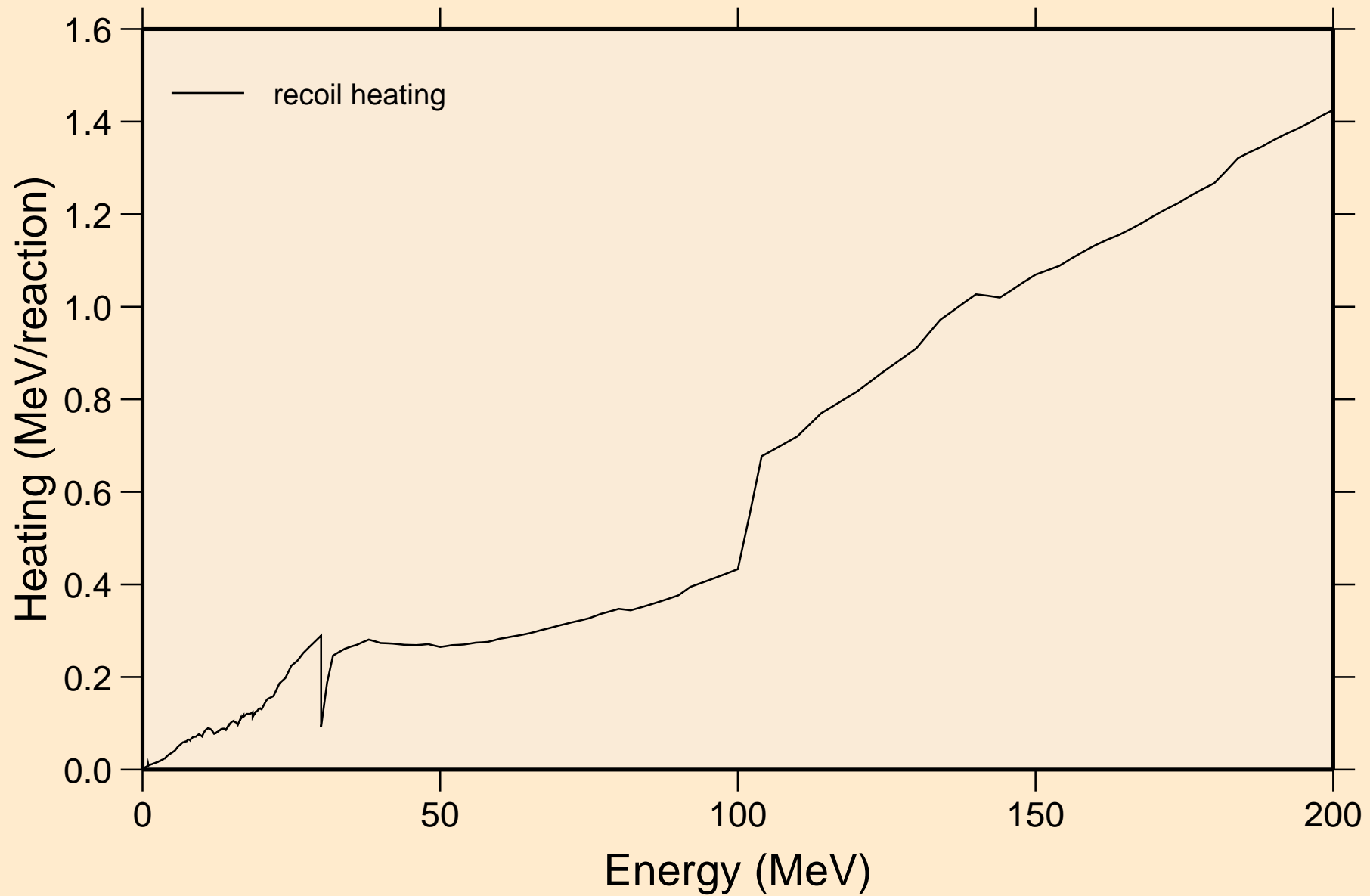
# CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions



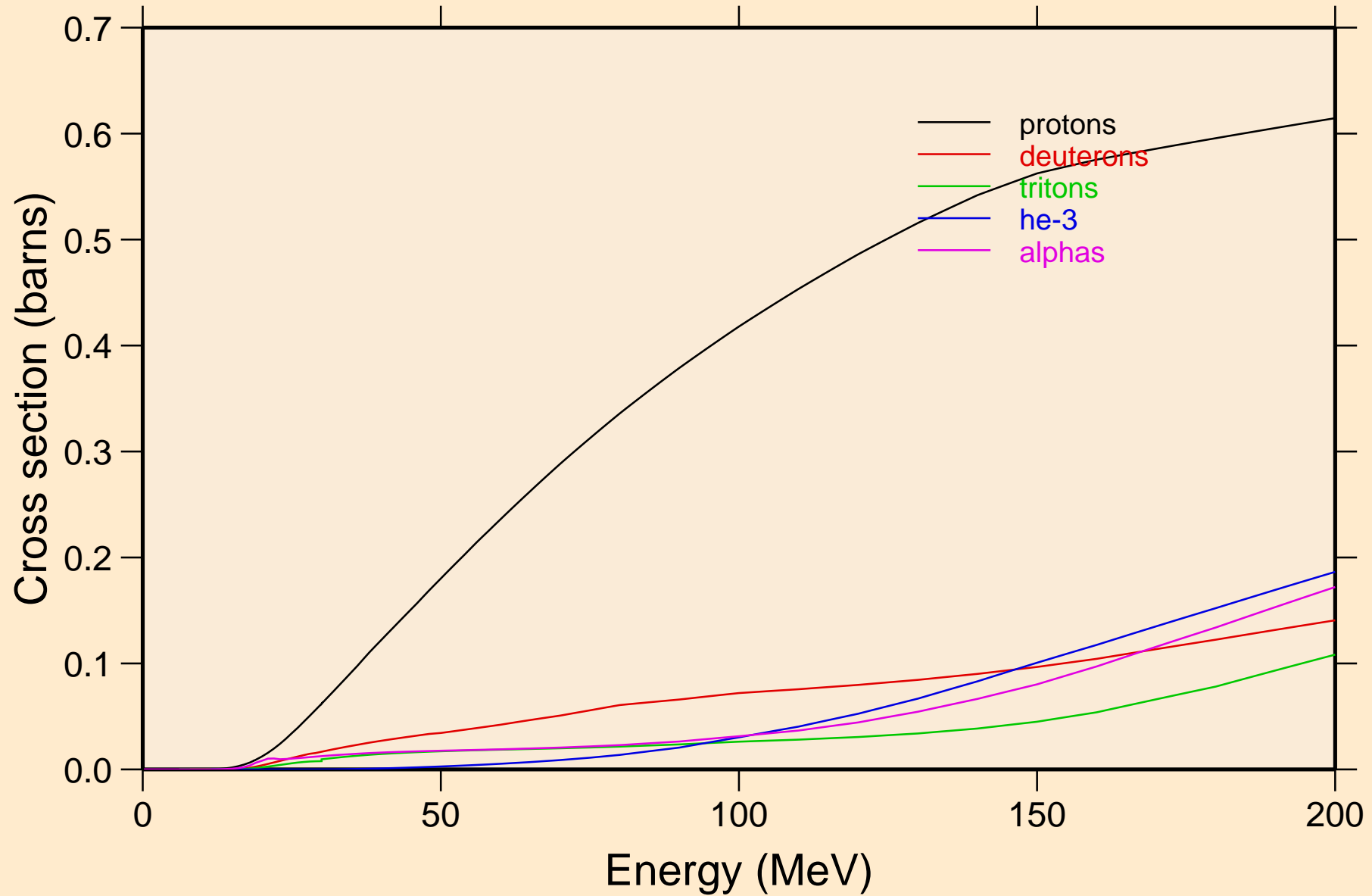
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## Recoil Heating

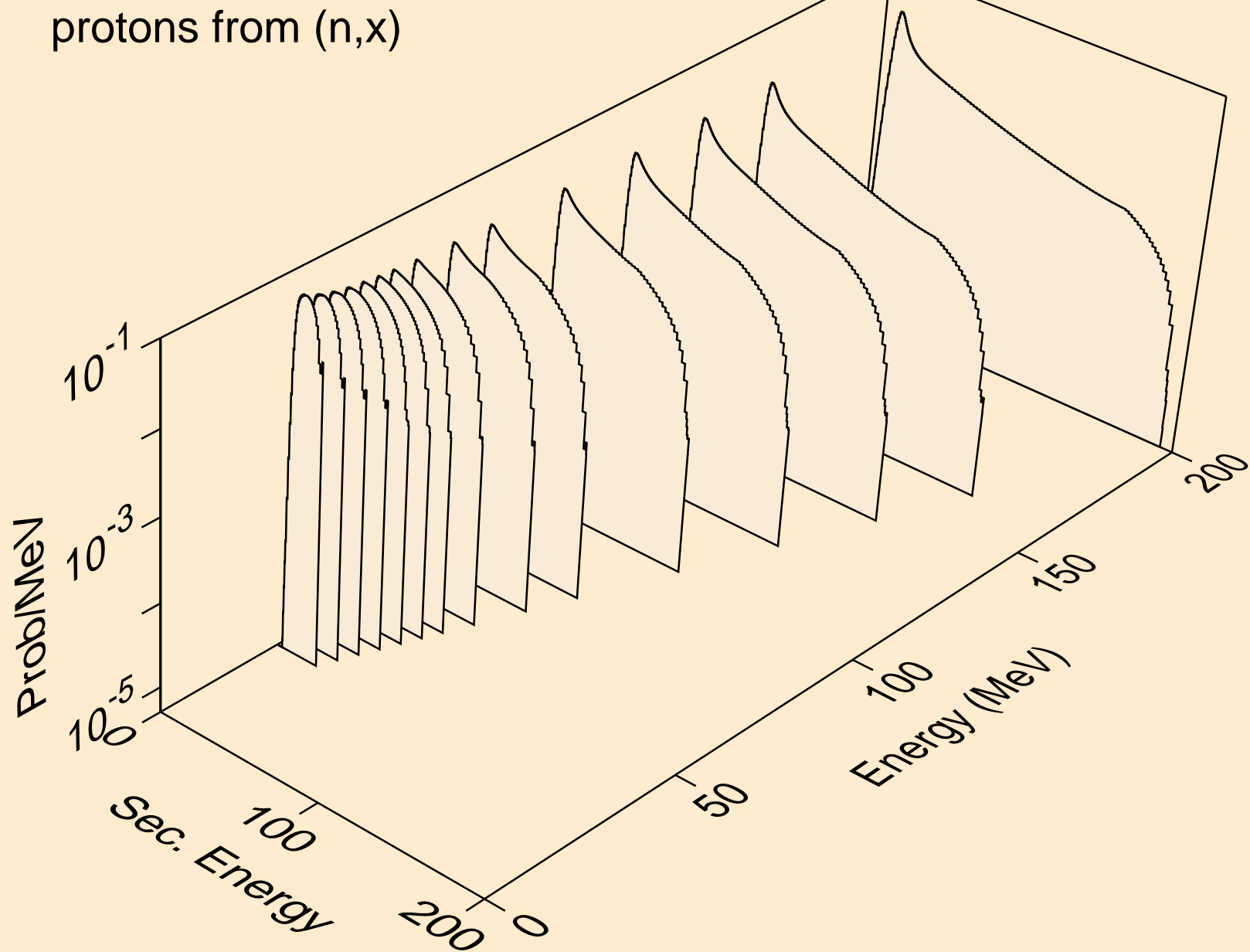


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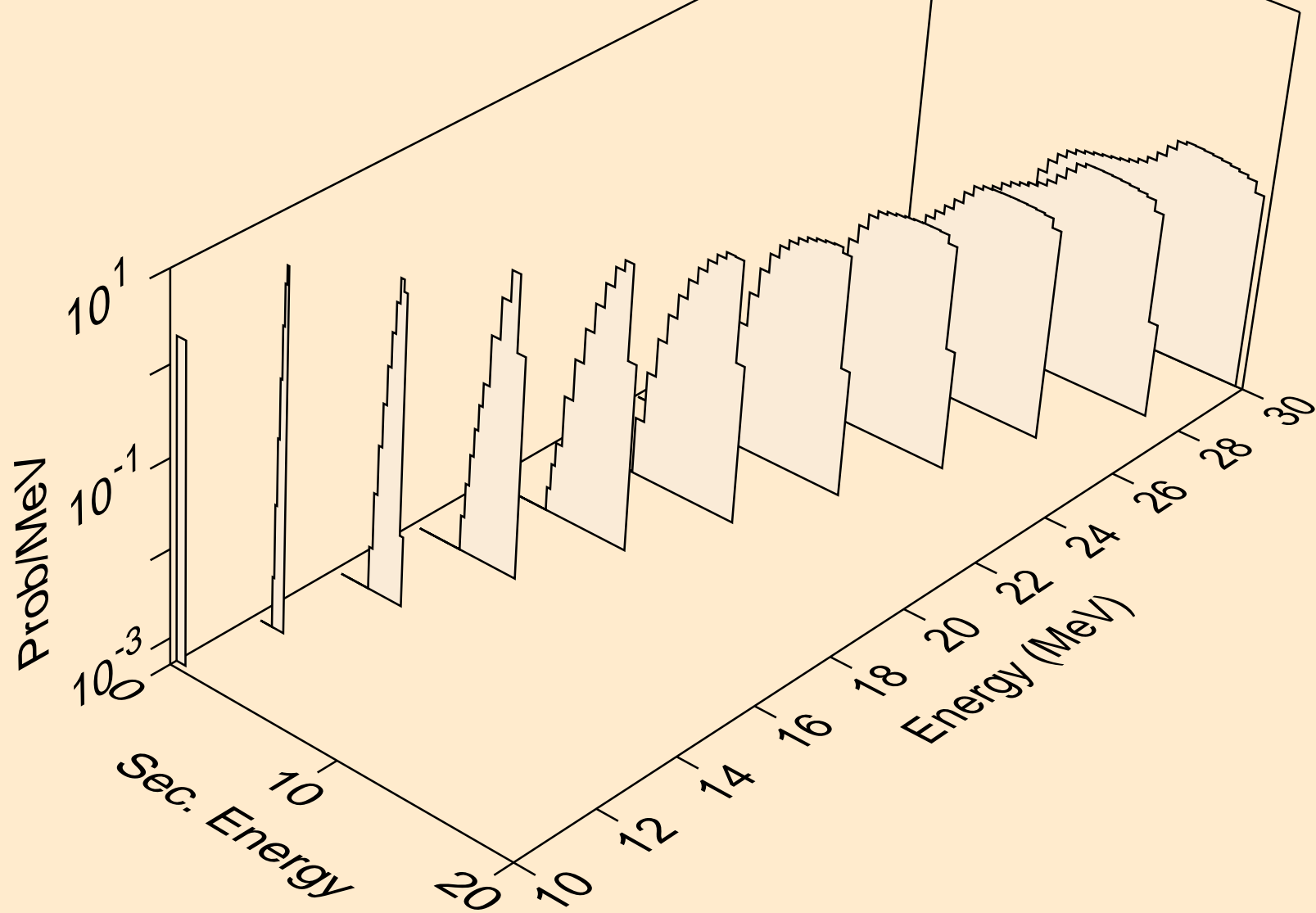
## Particle production cross sections



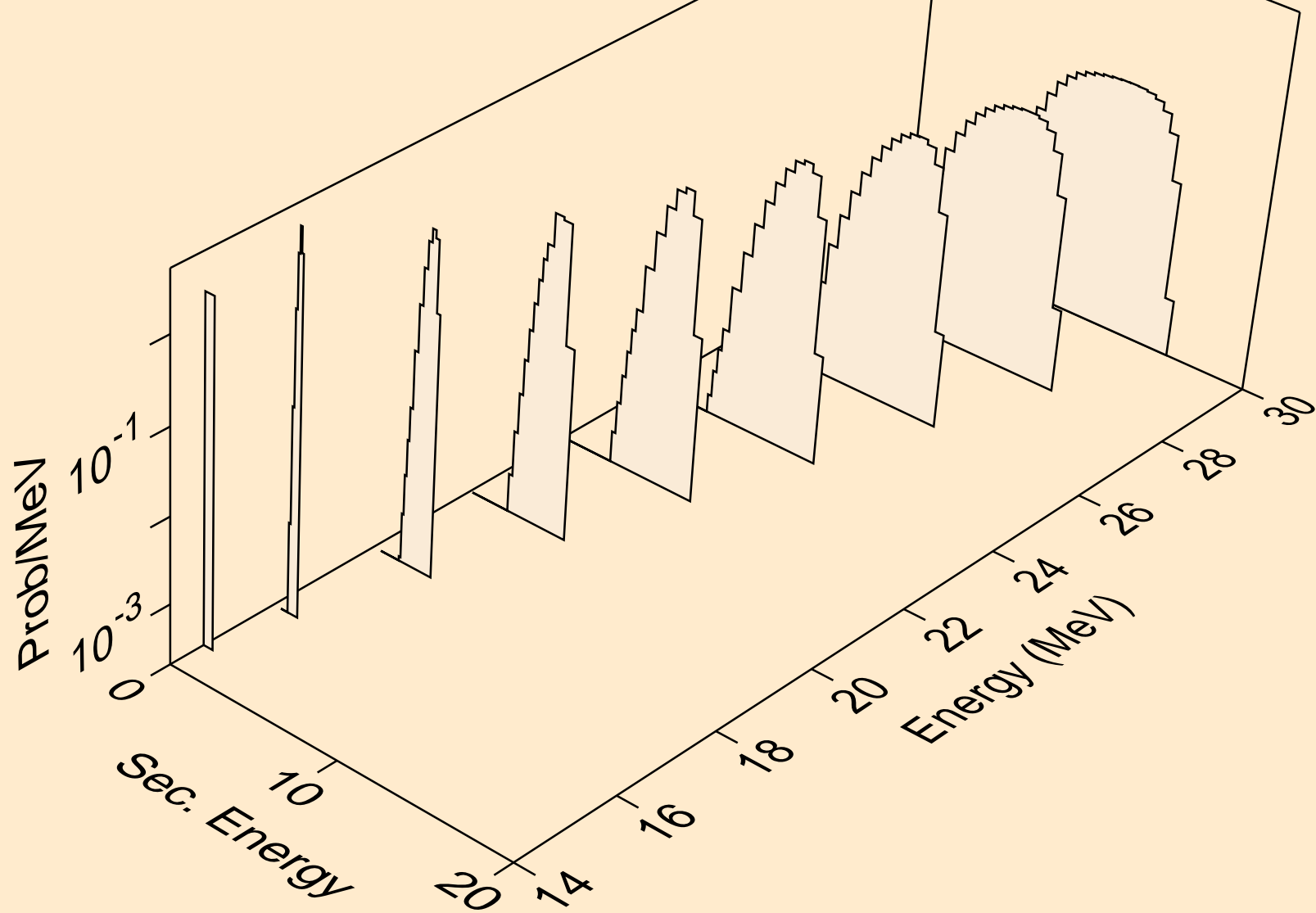
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



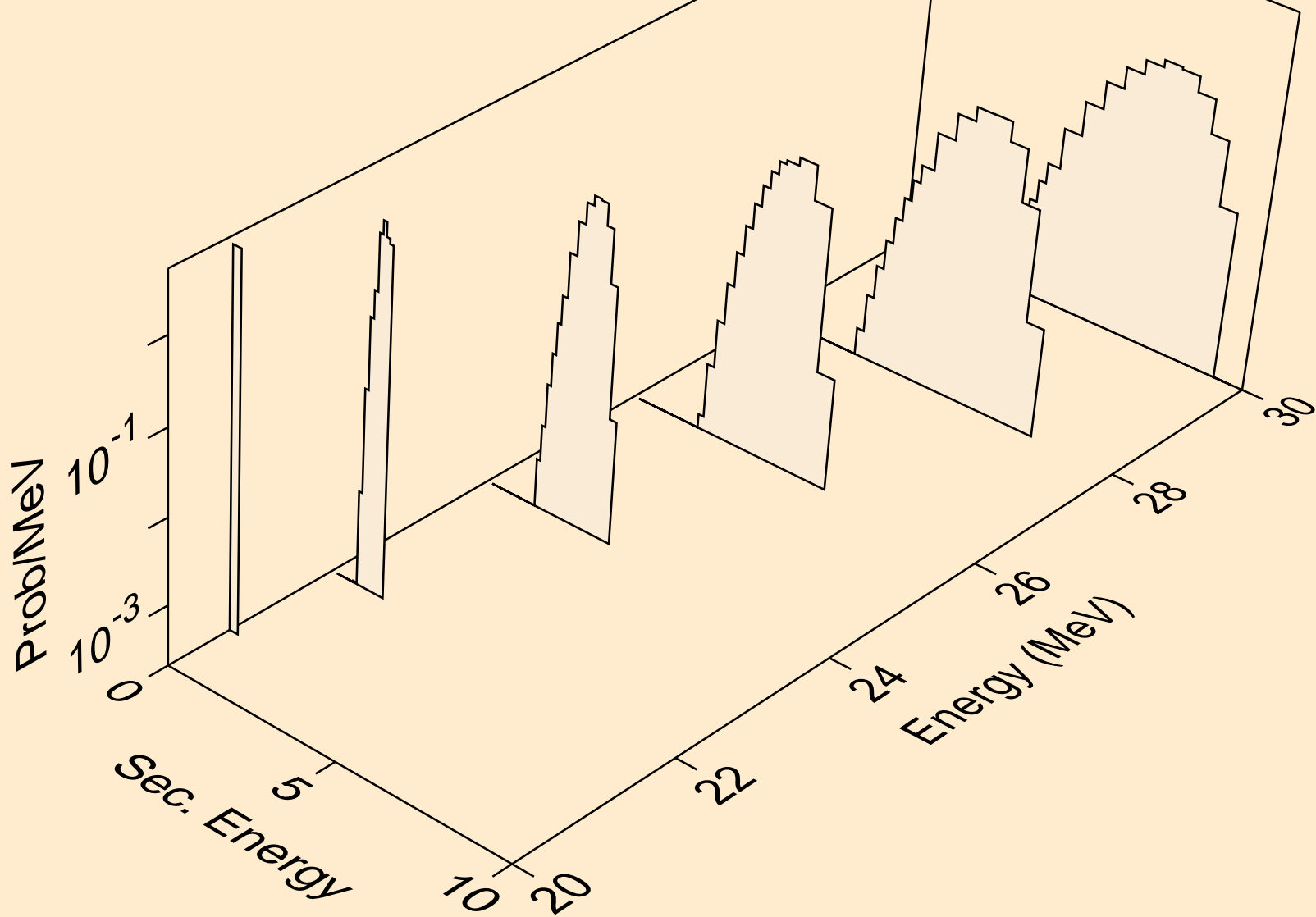
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



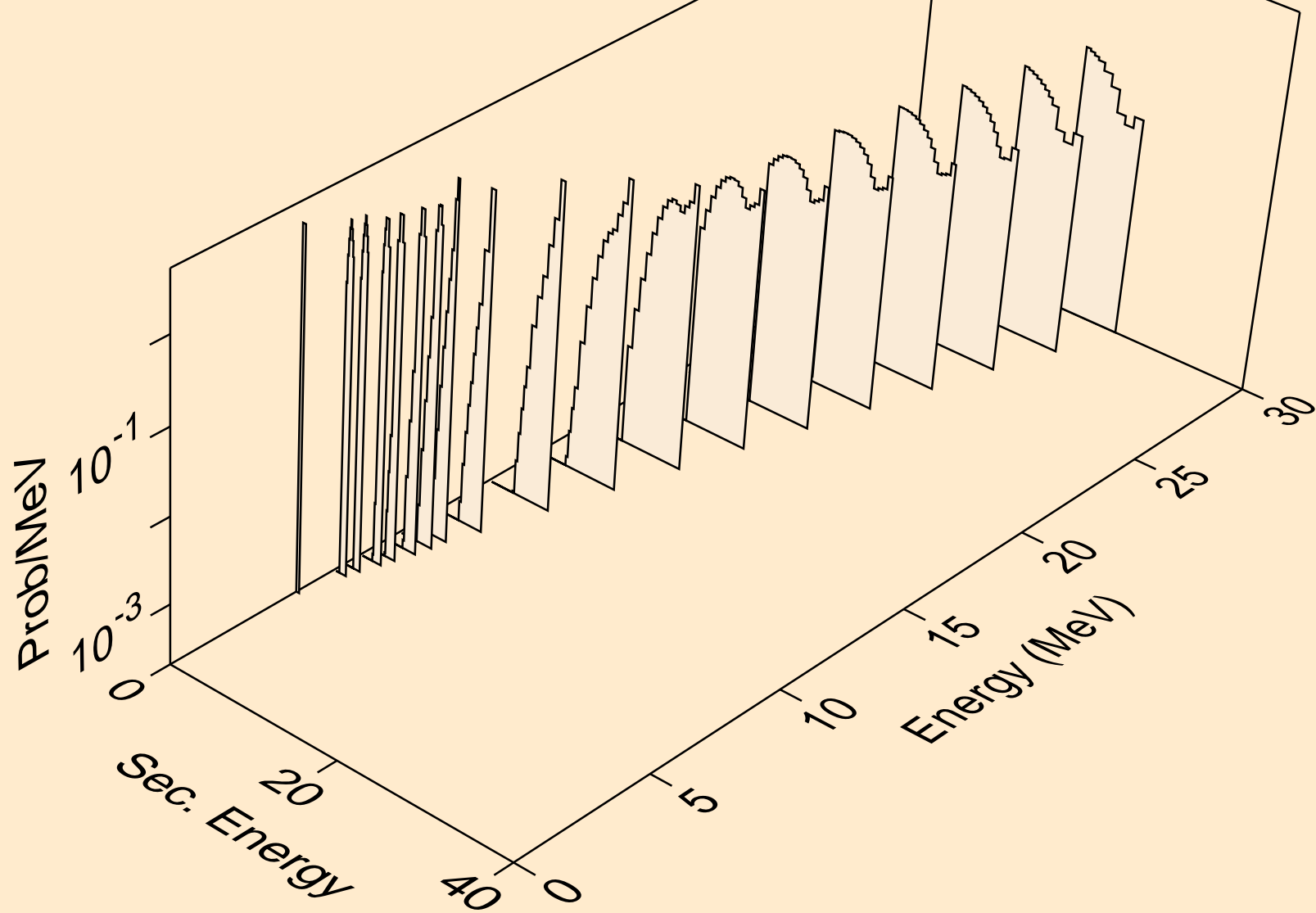
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)



CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)

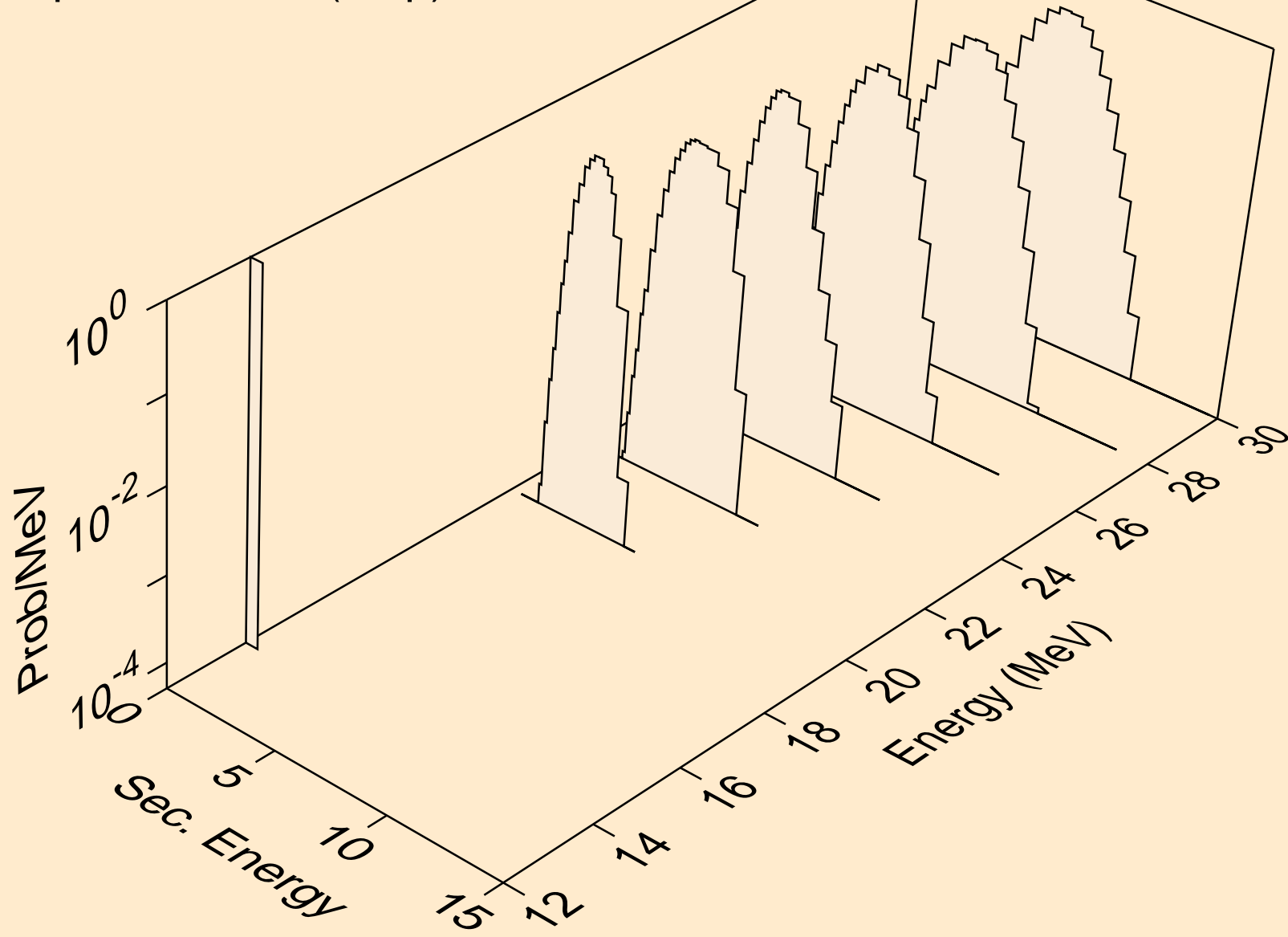


CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)

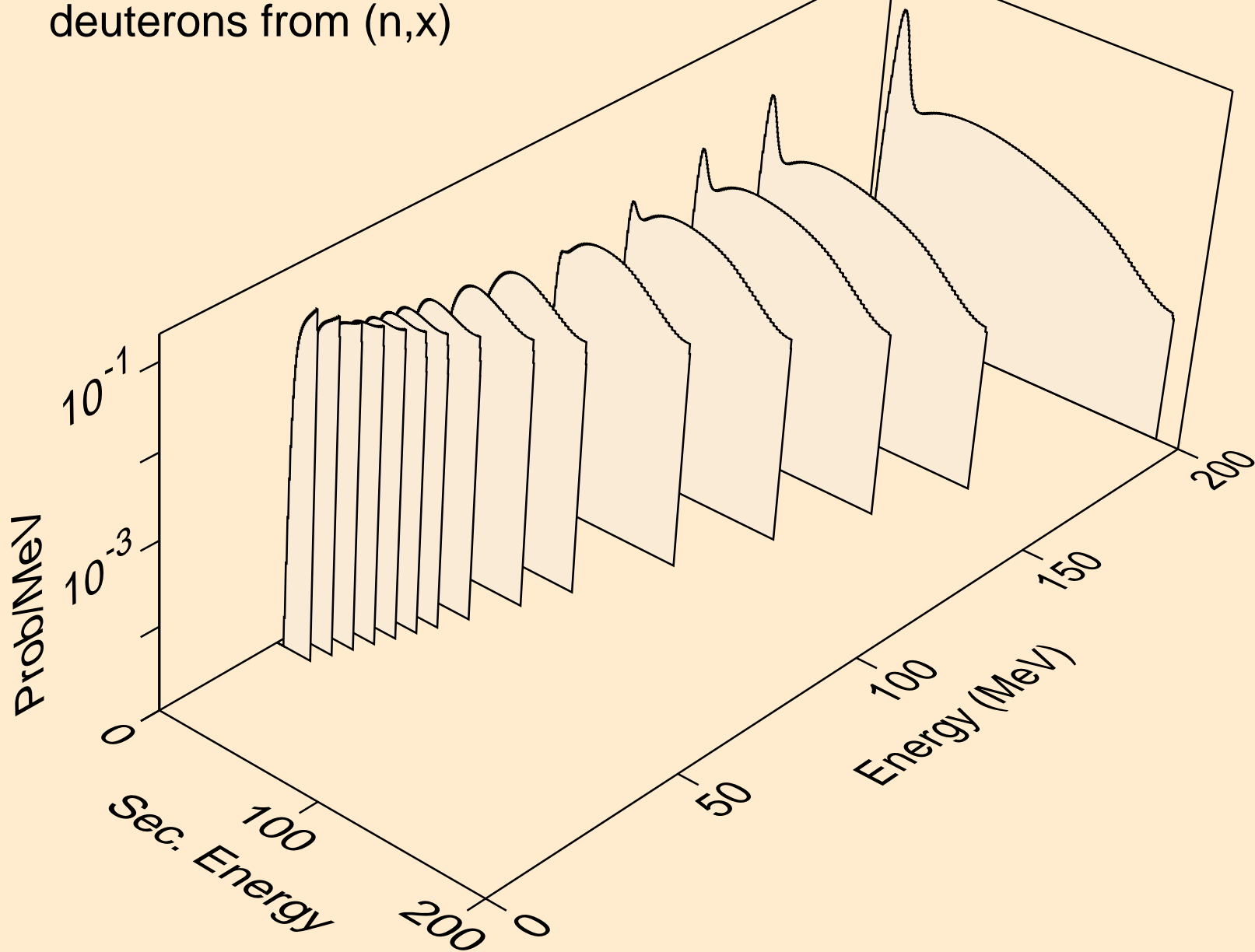




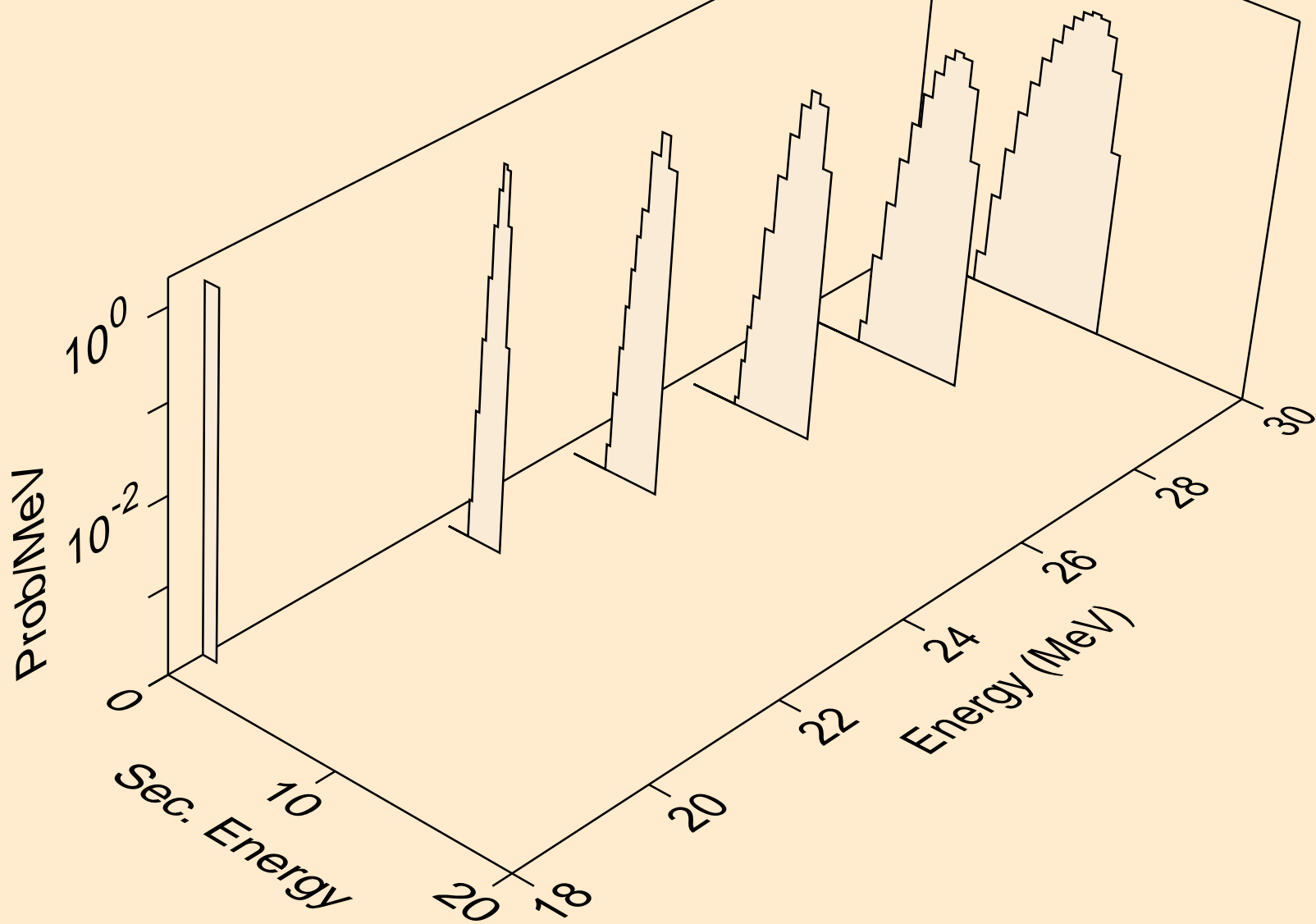
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protons from (n,2p)



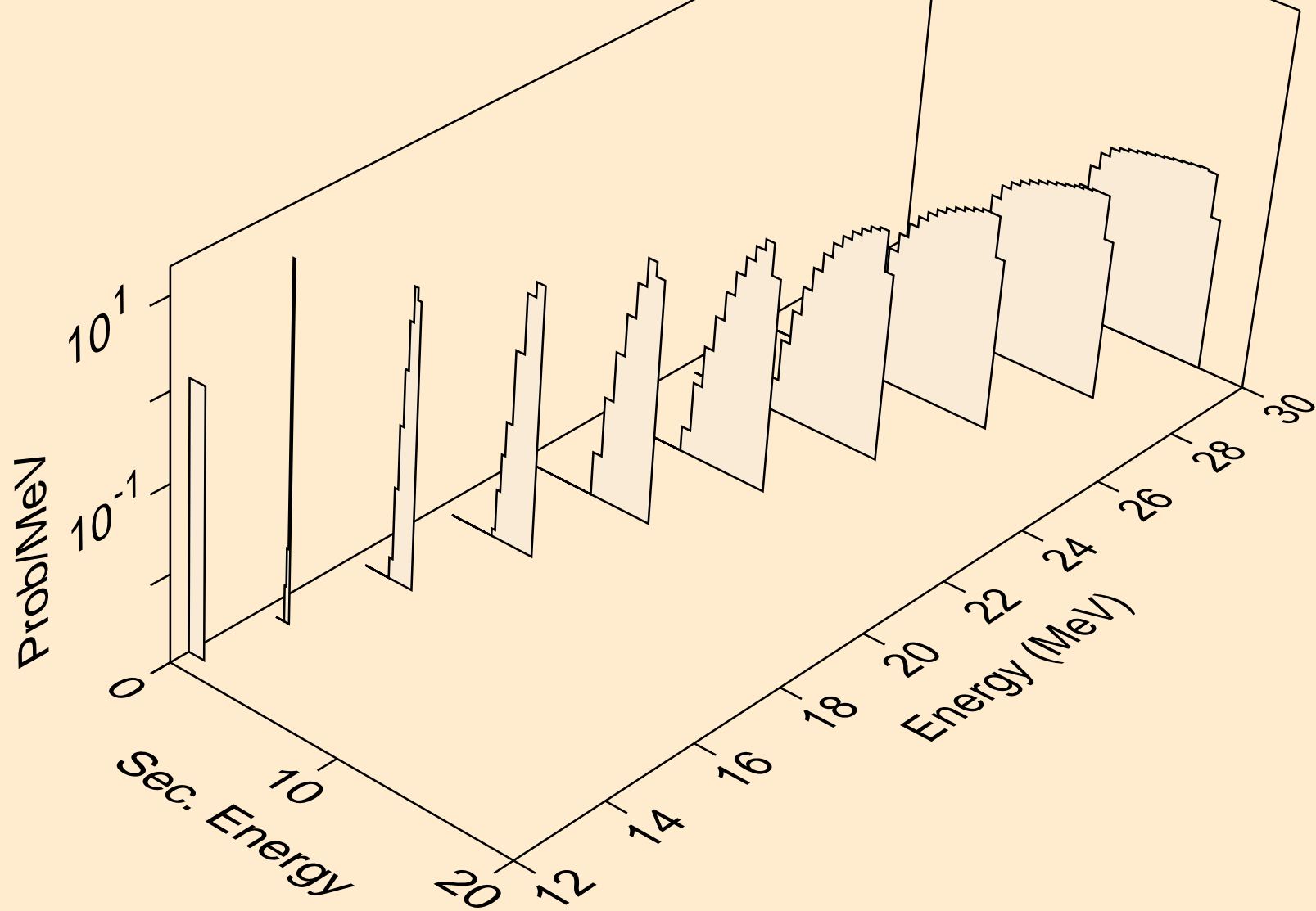
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deuterons from (n,x)



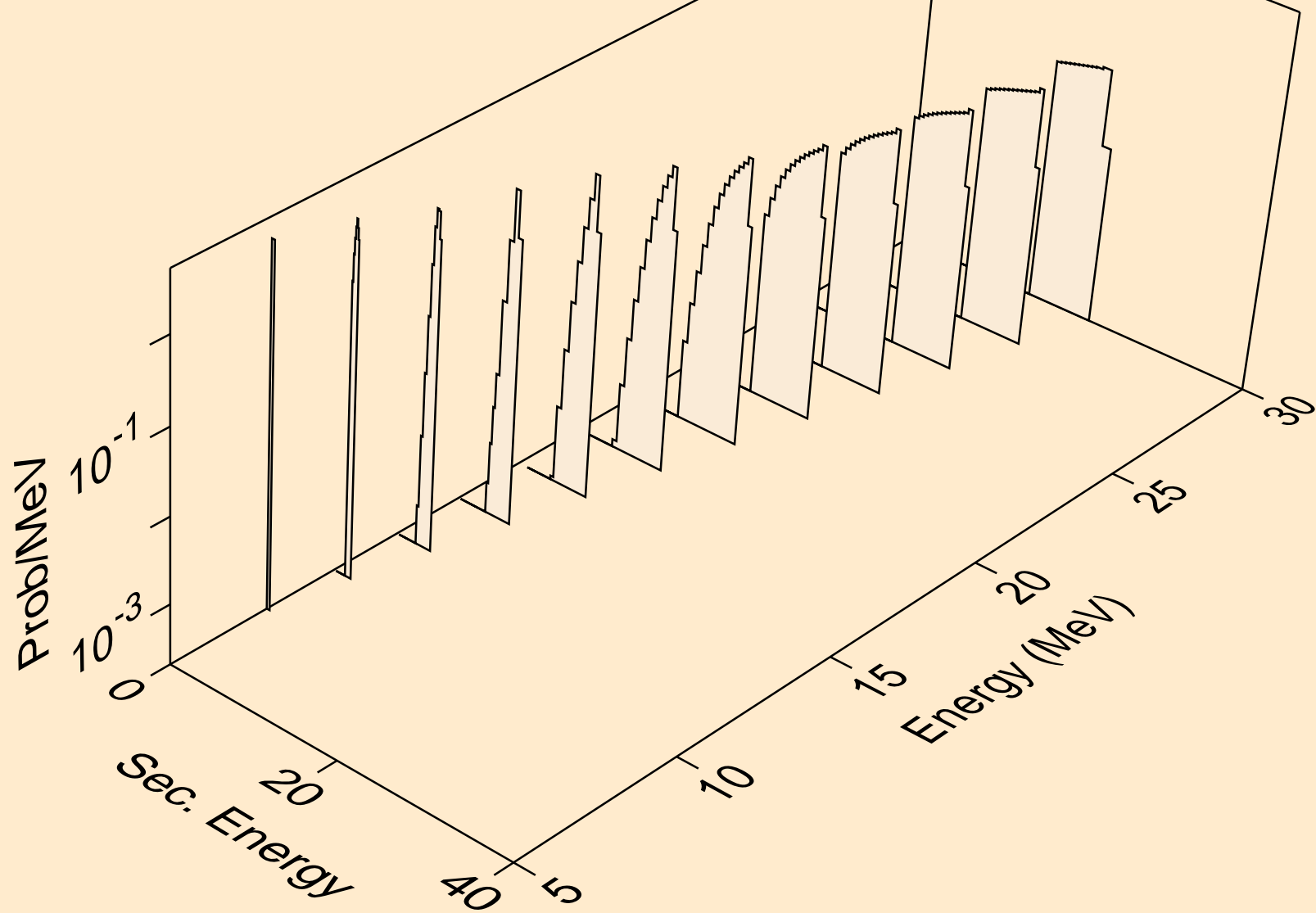
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deuterons from (n,2nd)



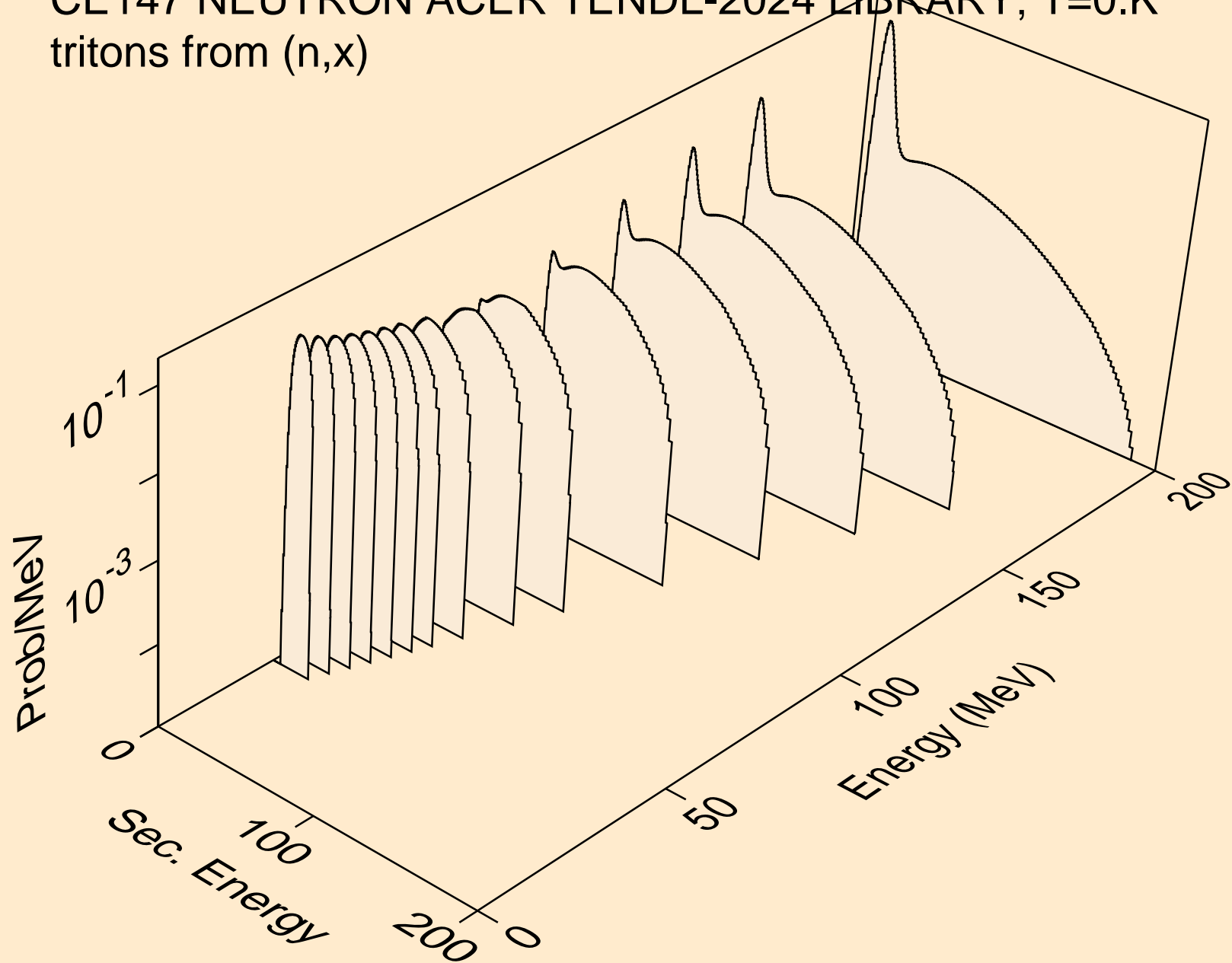
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,n\*)d



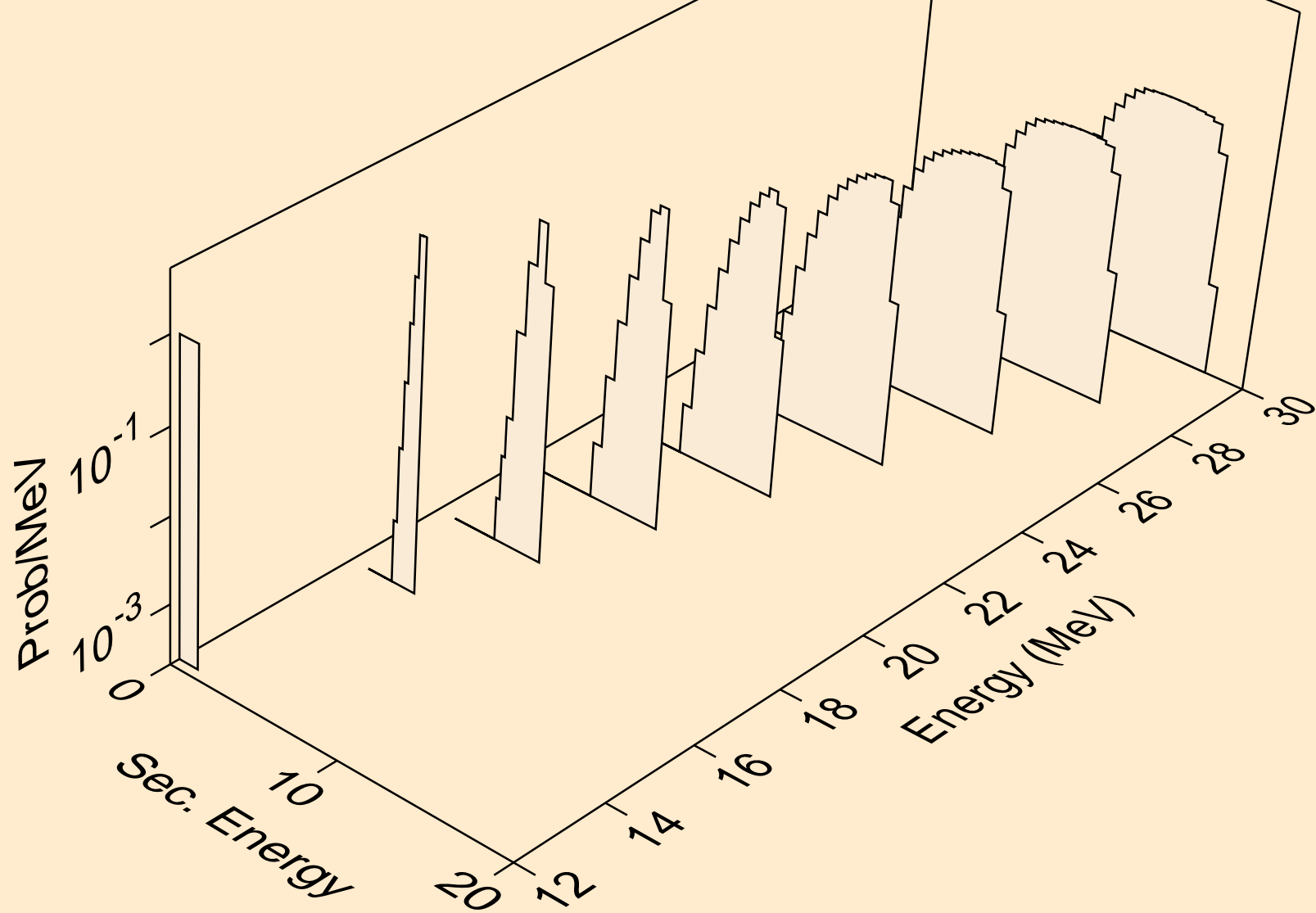
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deuterons from (n,d)



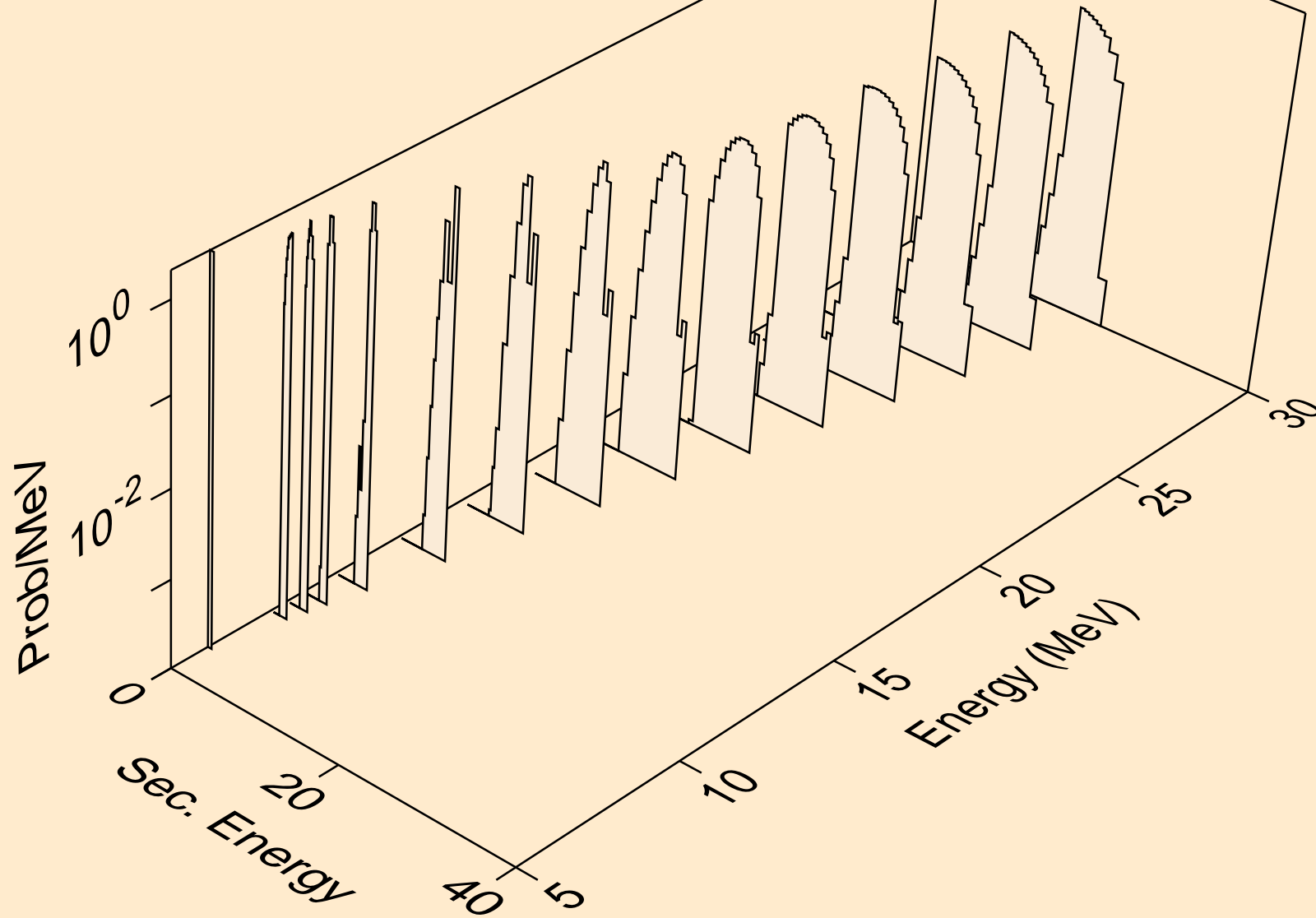
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)



CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t

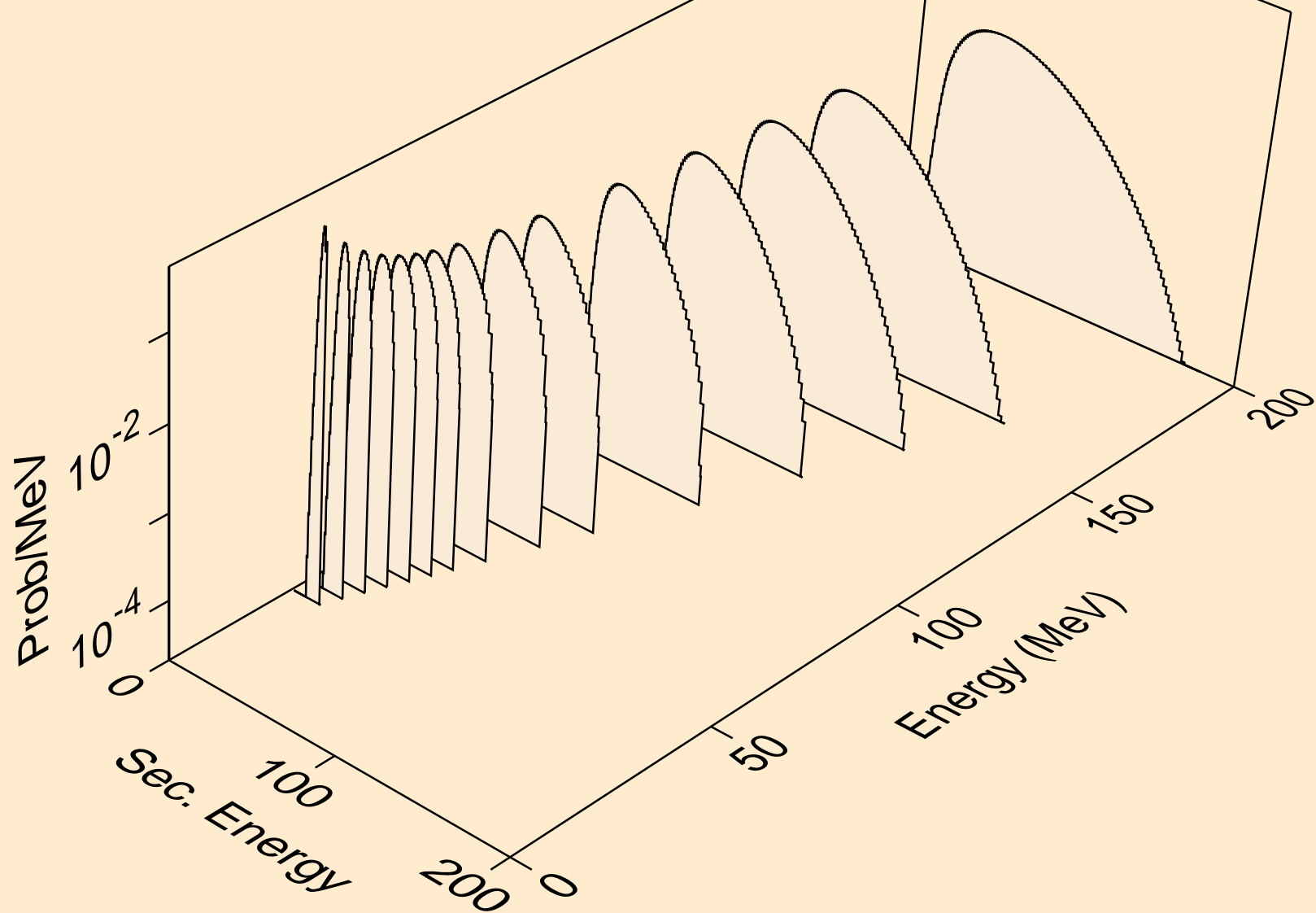


CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,t)

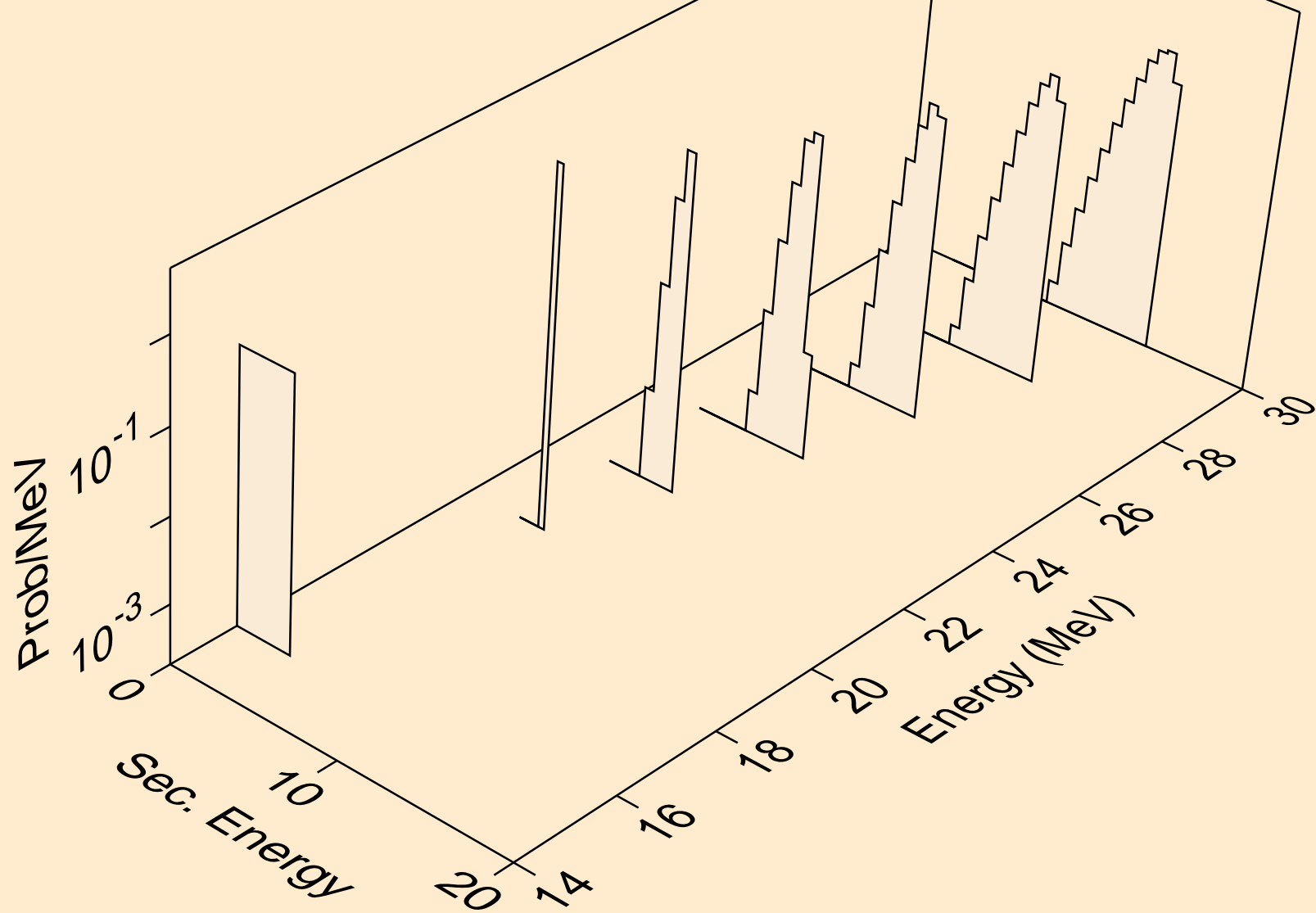




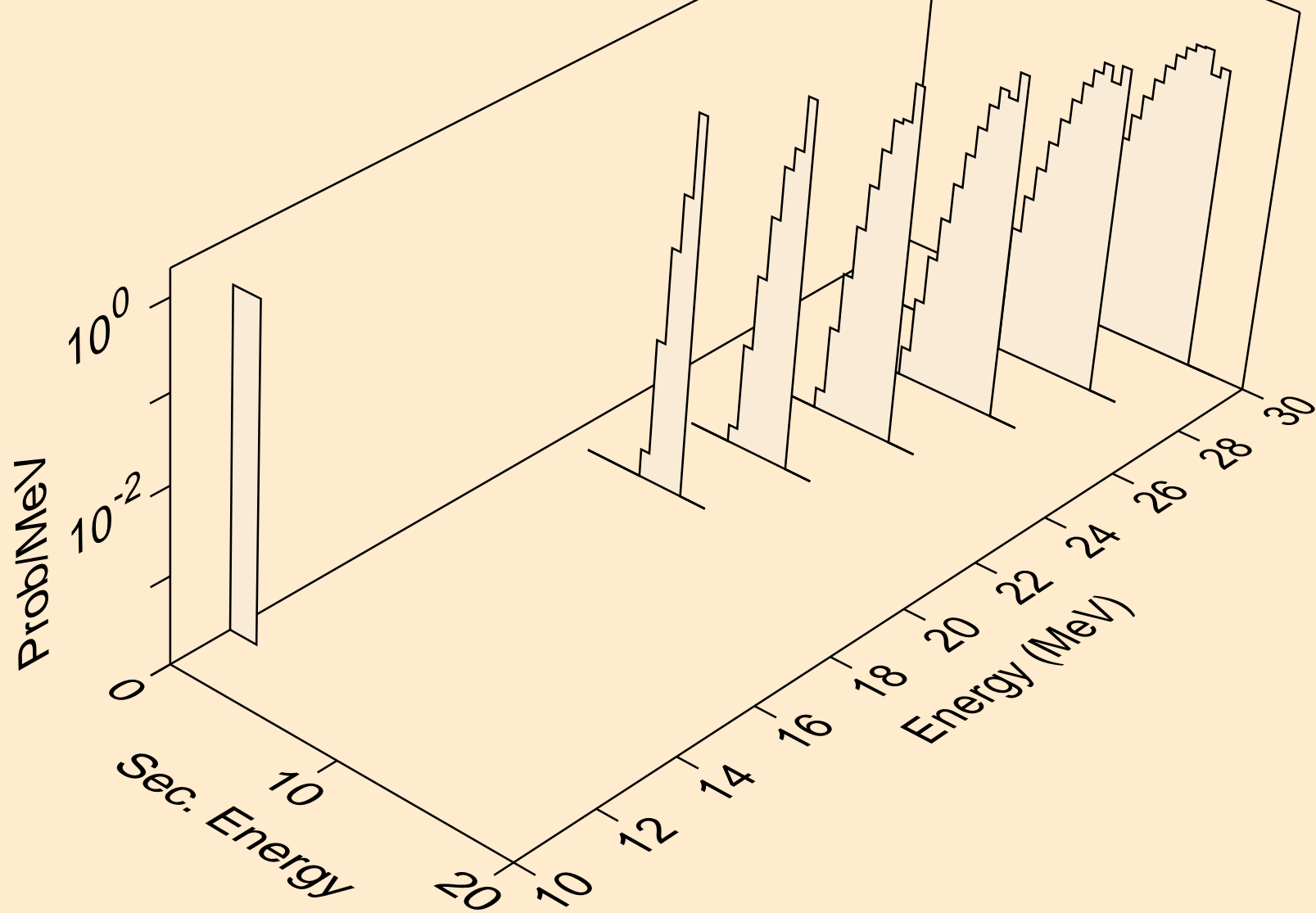
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)



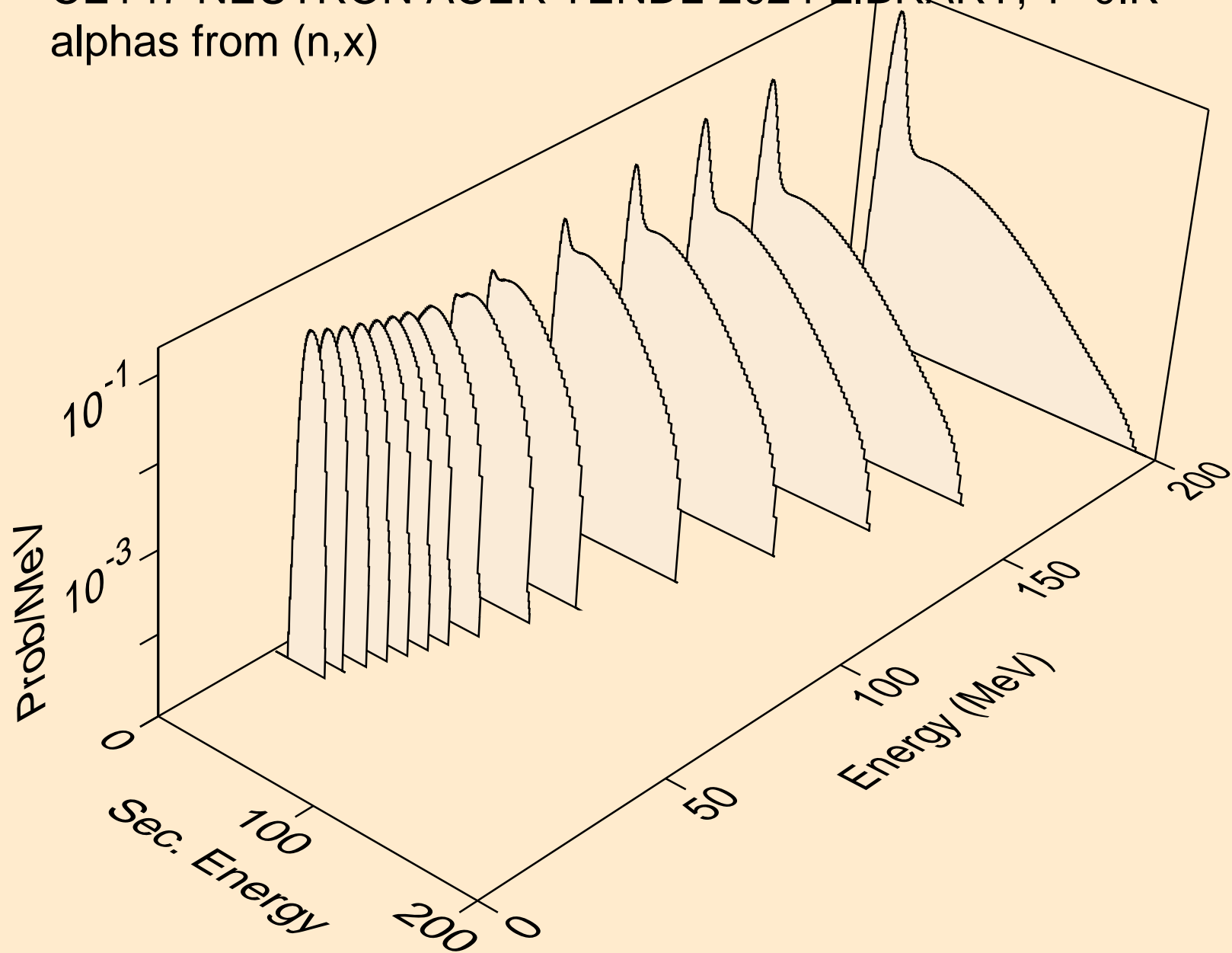
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3



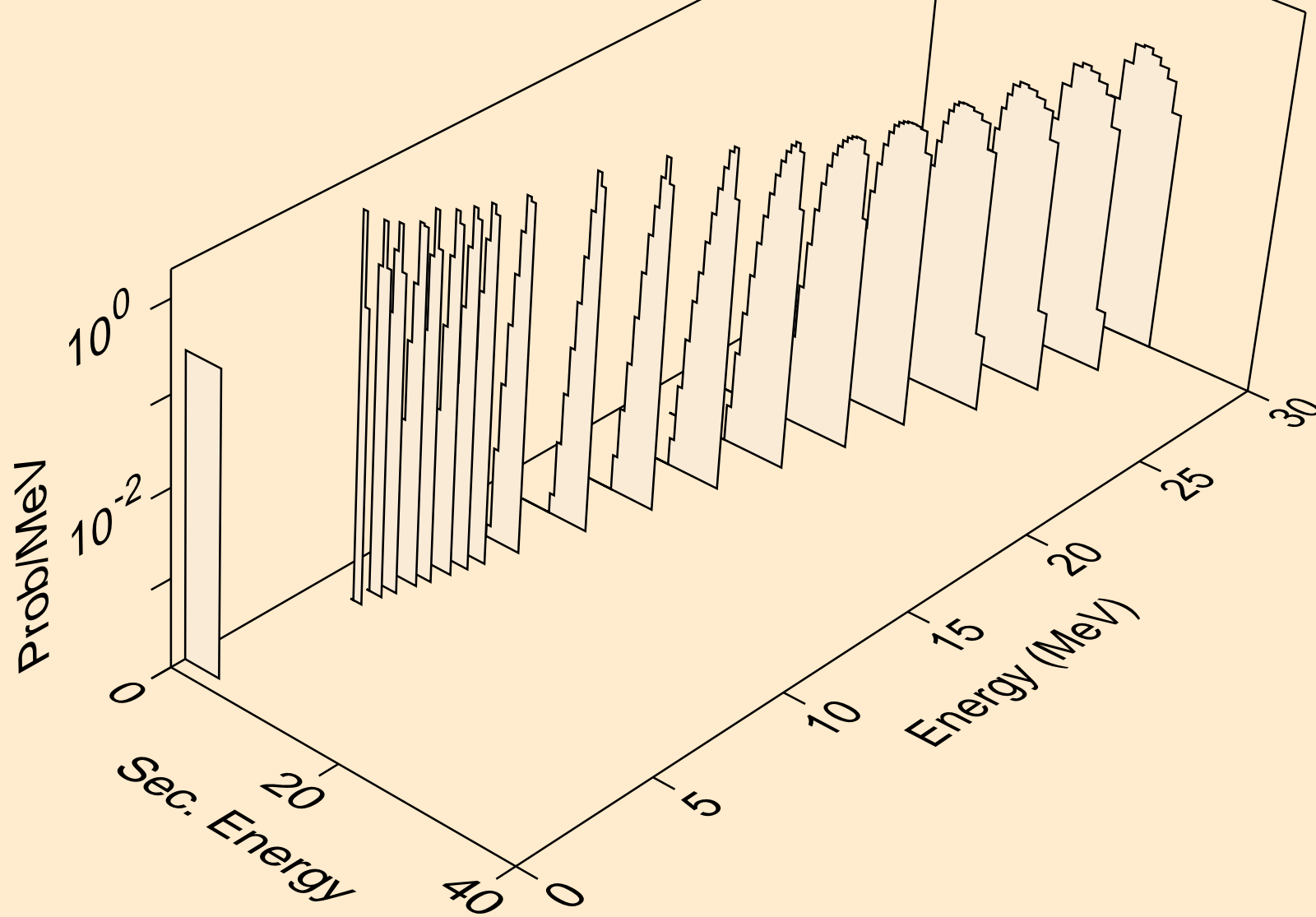
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he3s from (n,he3)



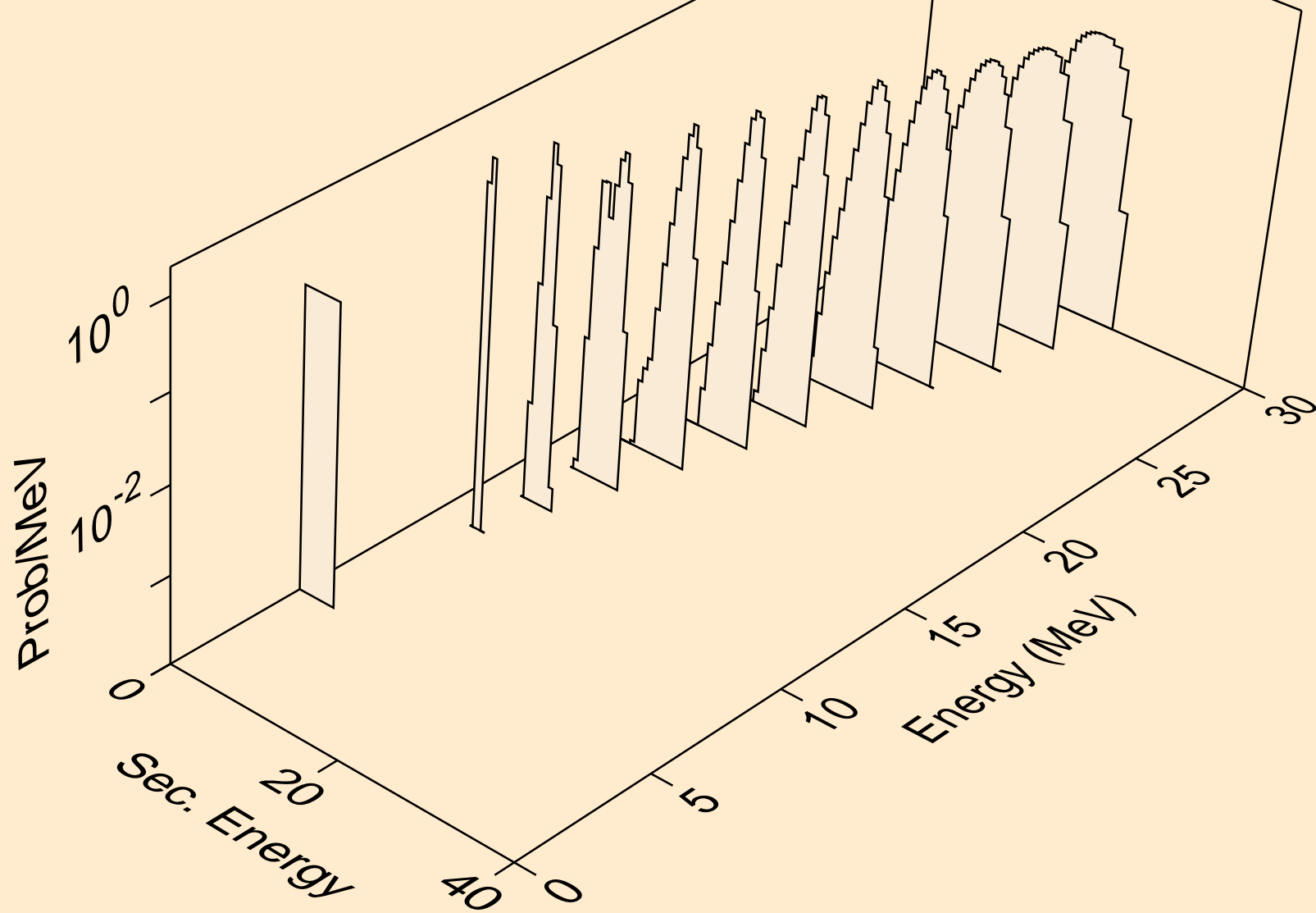
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



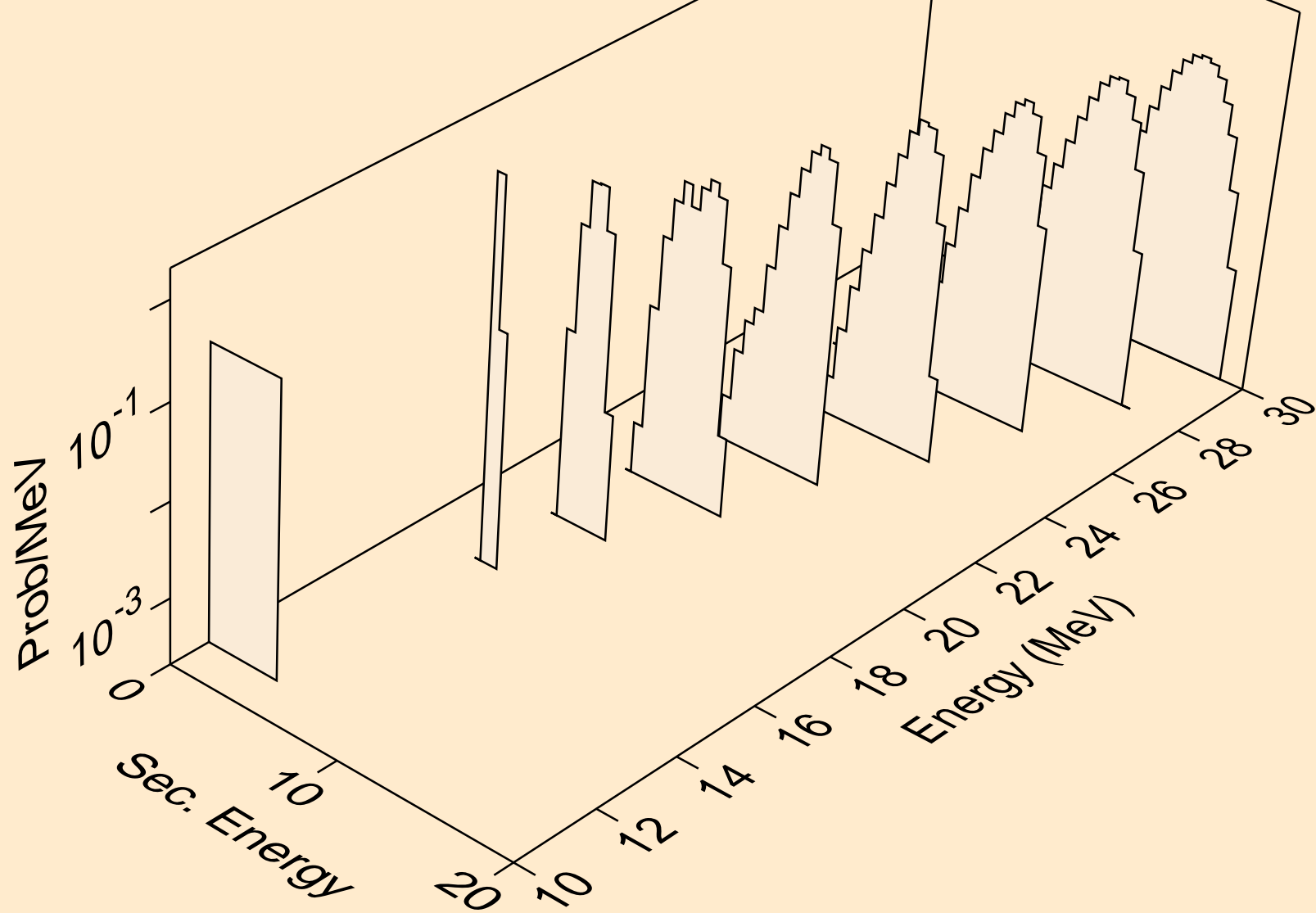
CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a



CE147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)

