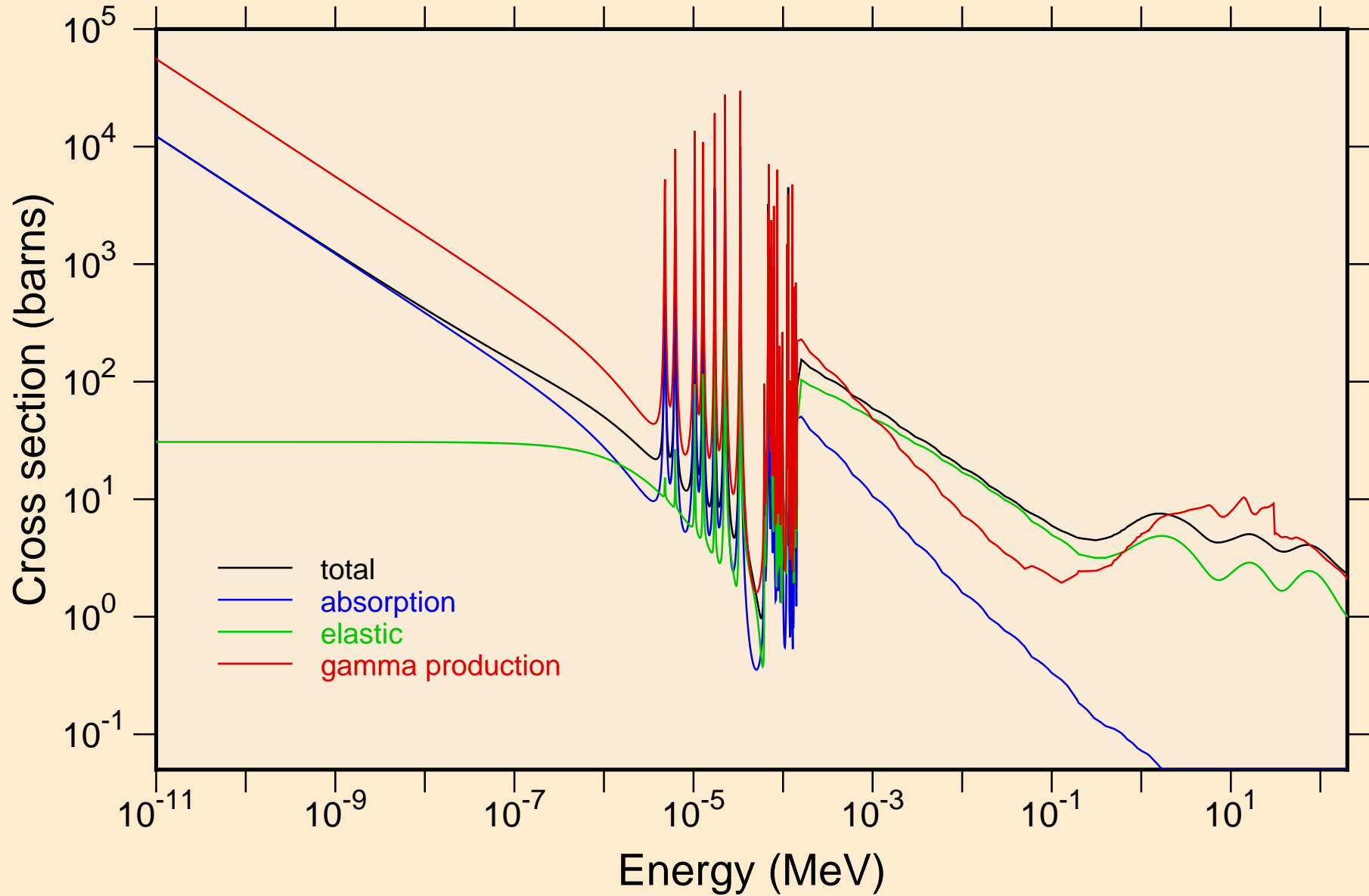
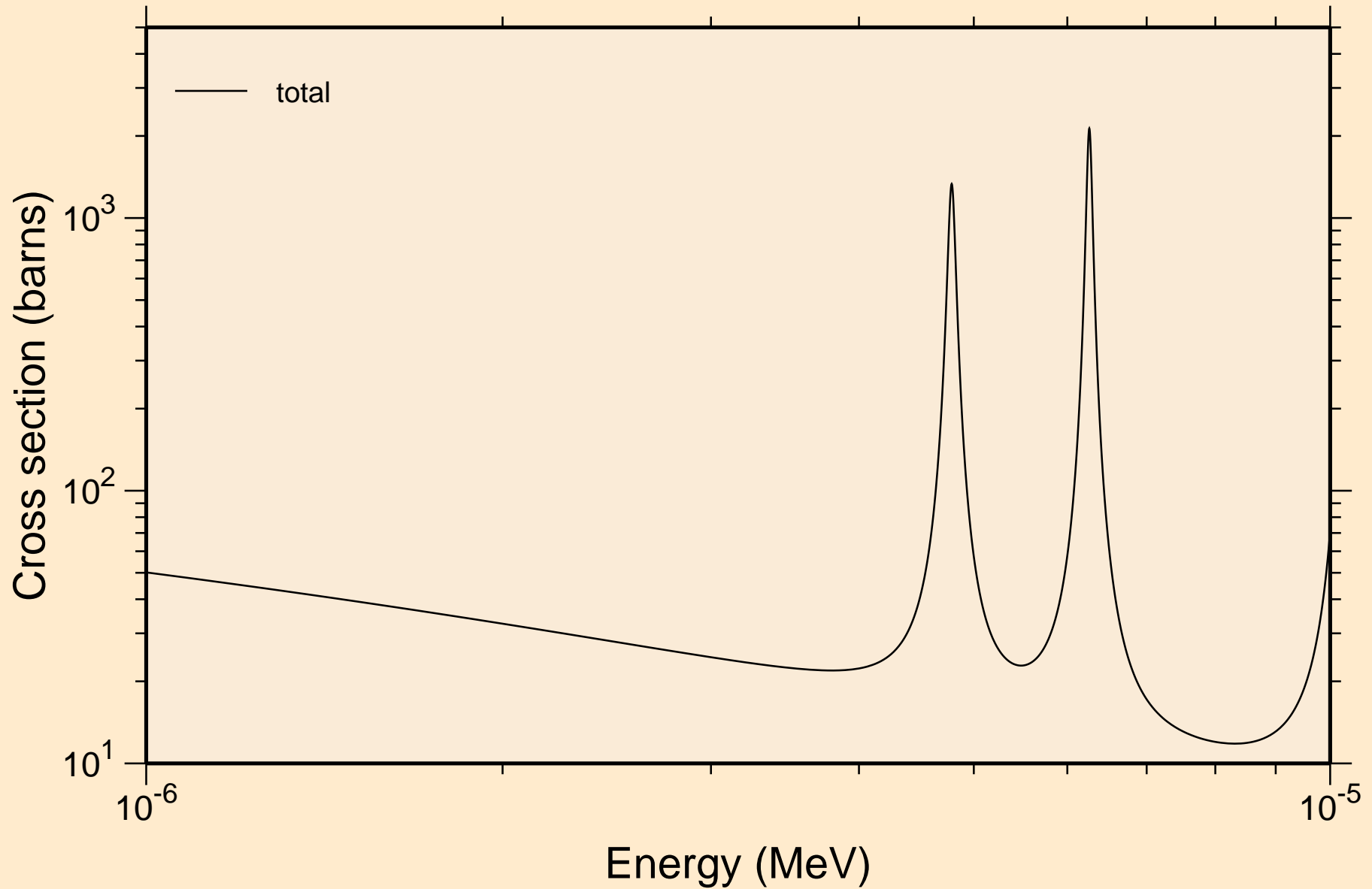


# ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

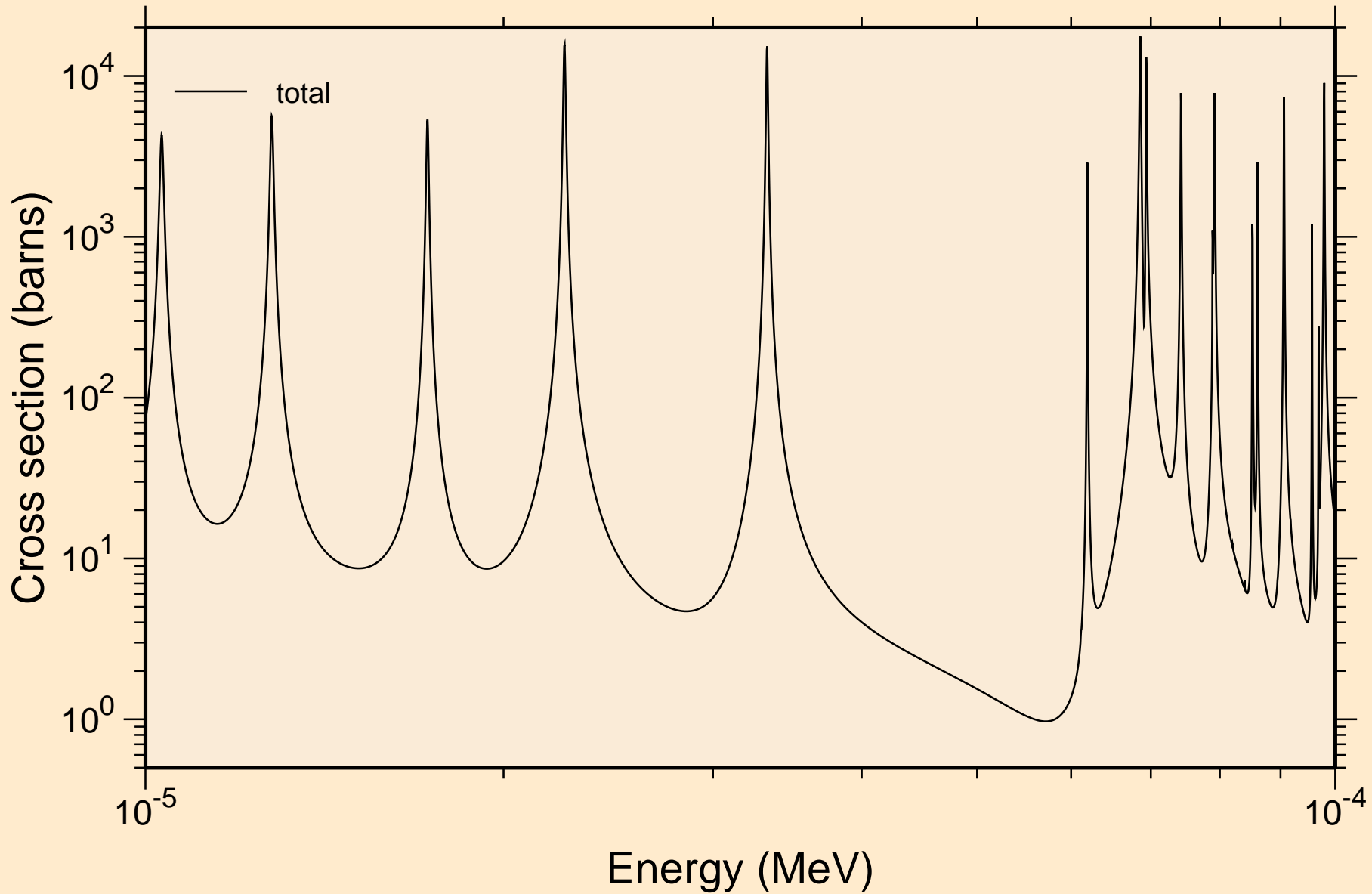
## Principal cross sections



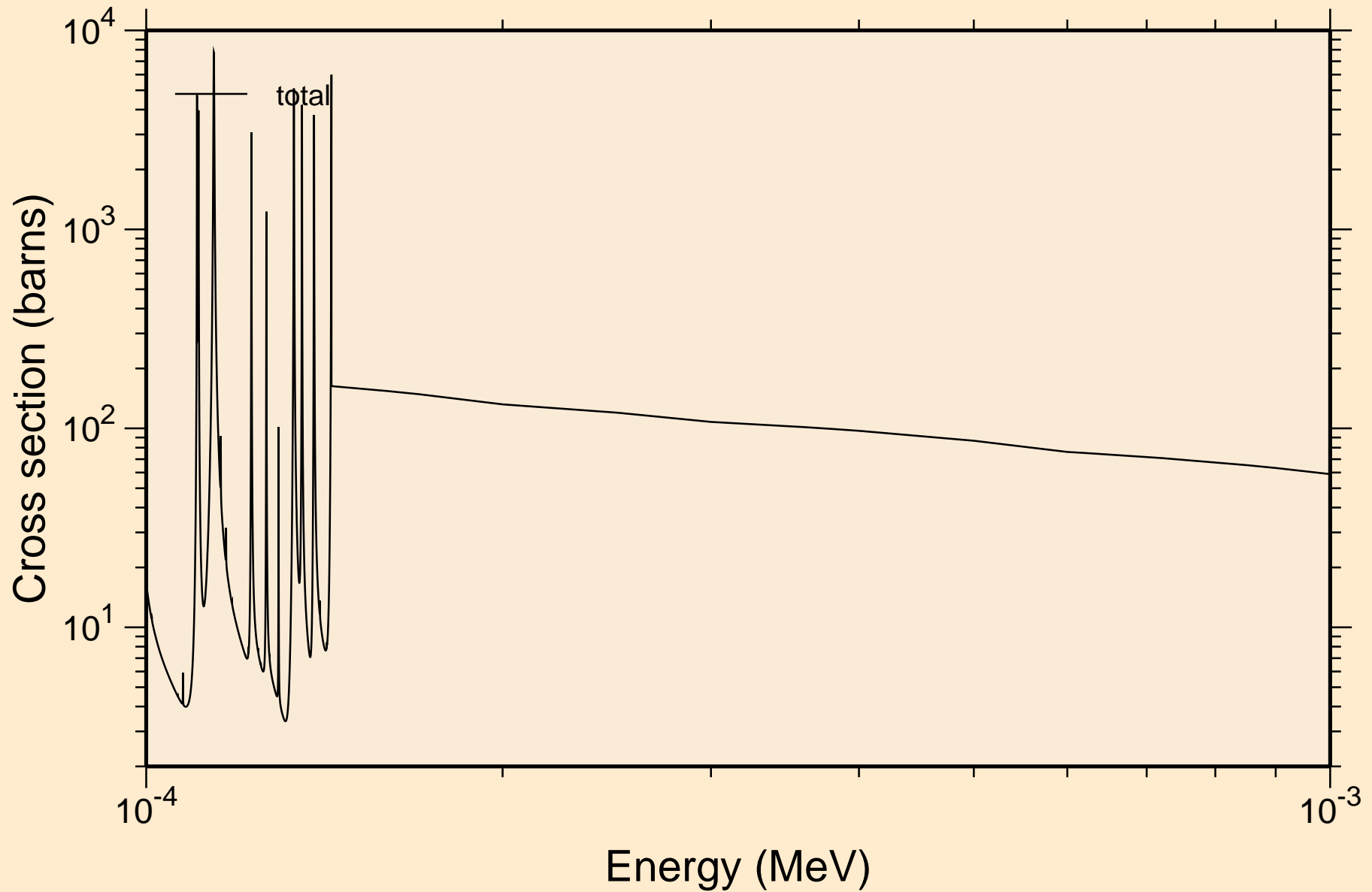
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



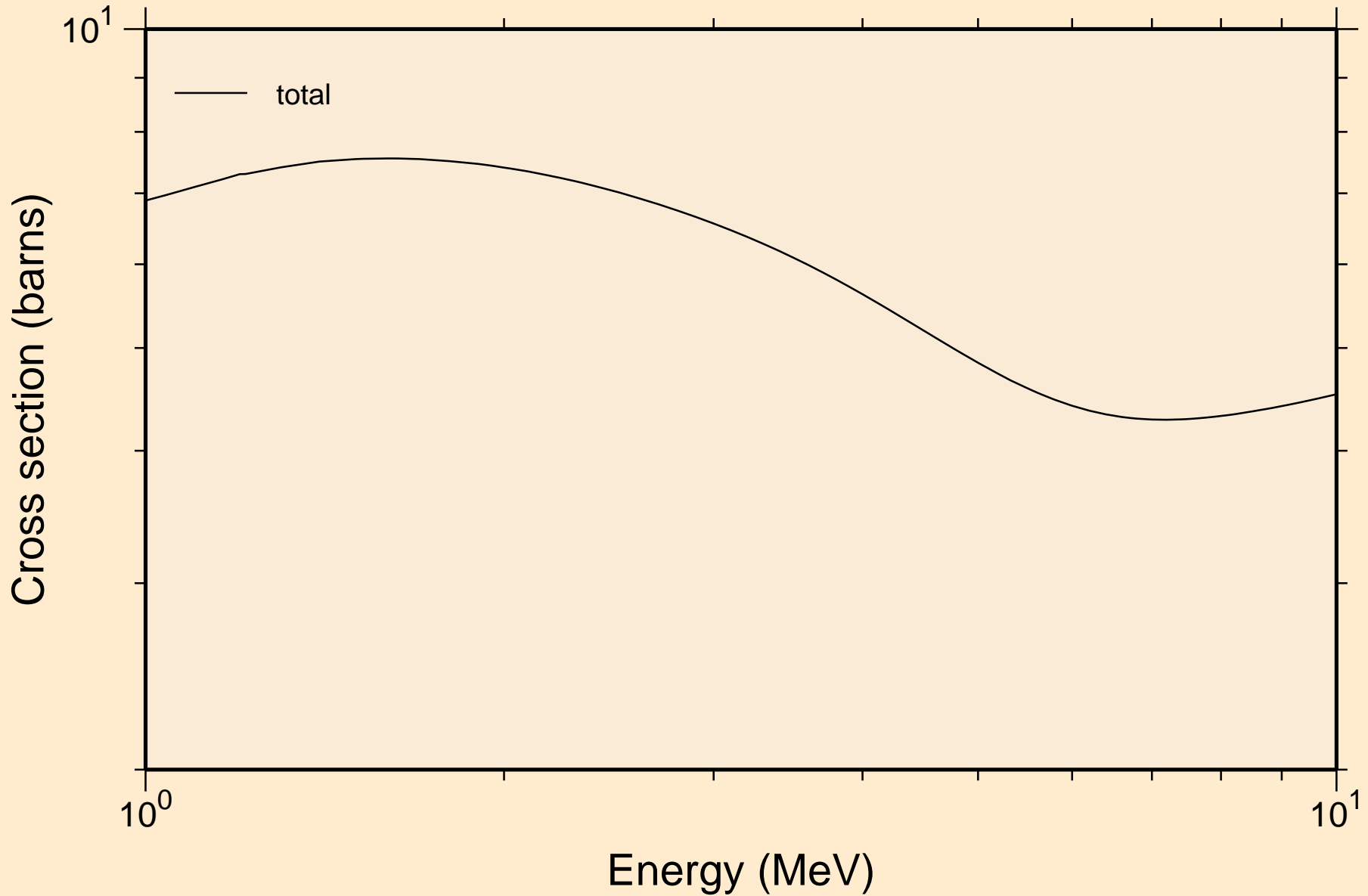
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



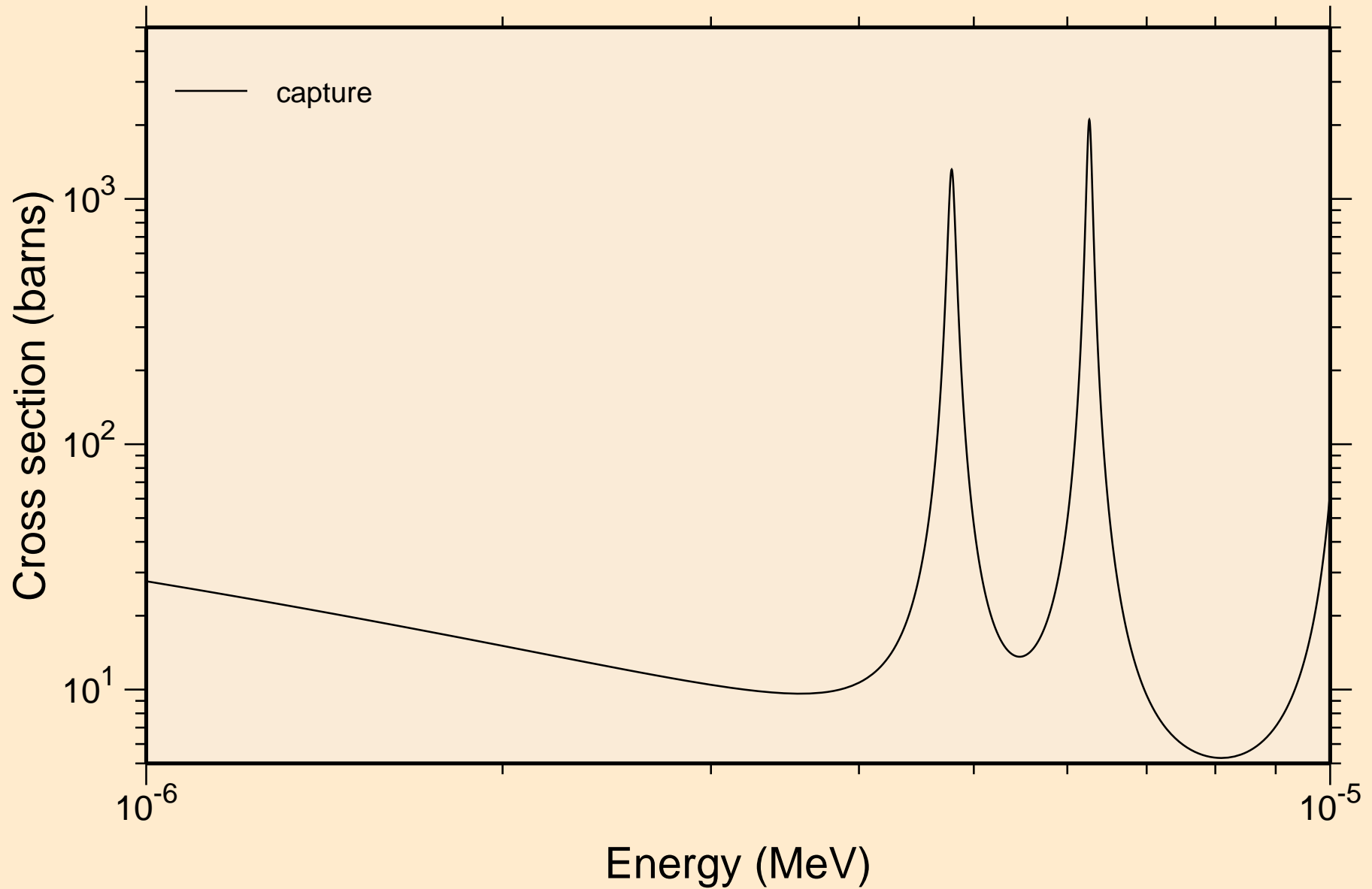
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



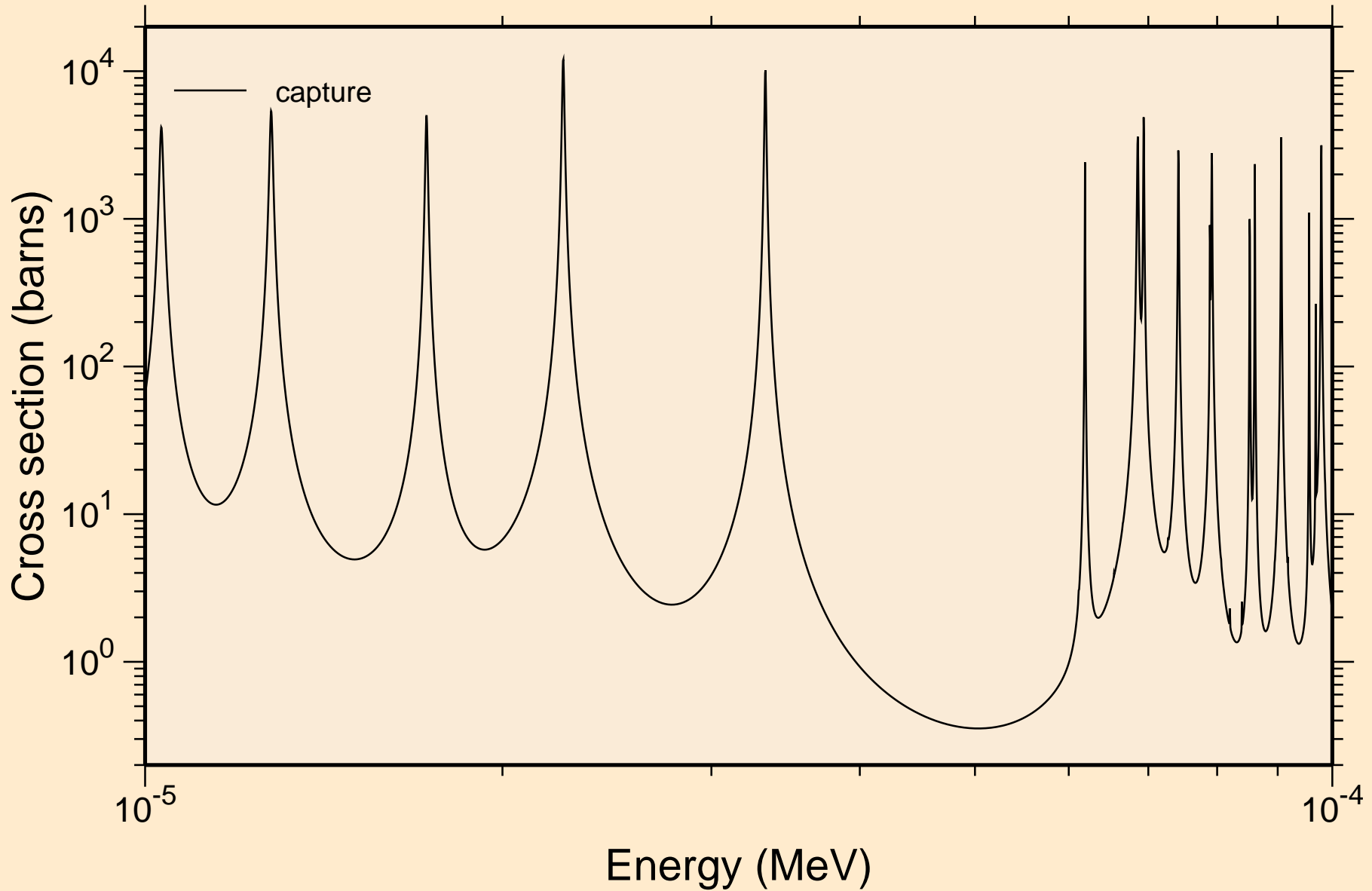
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



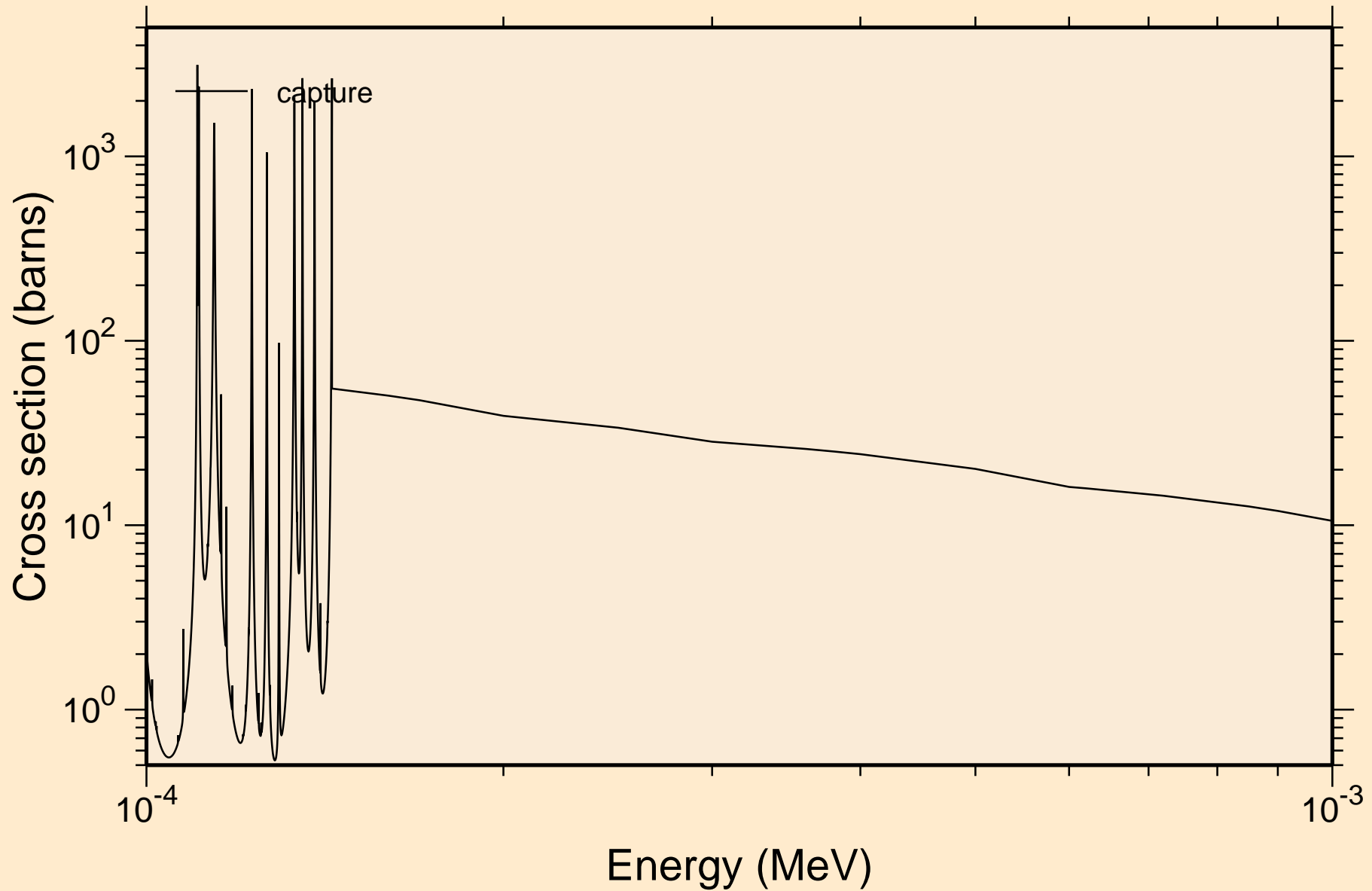
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

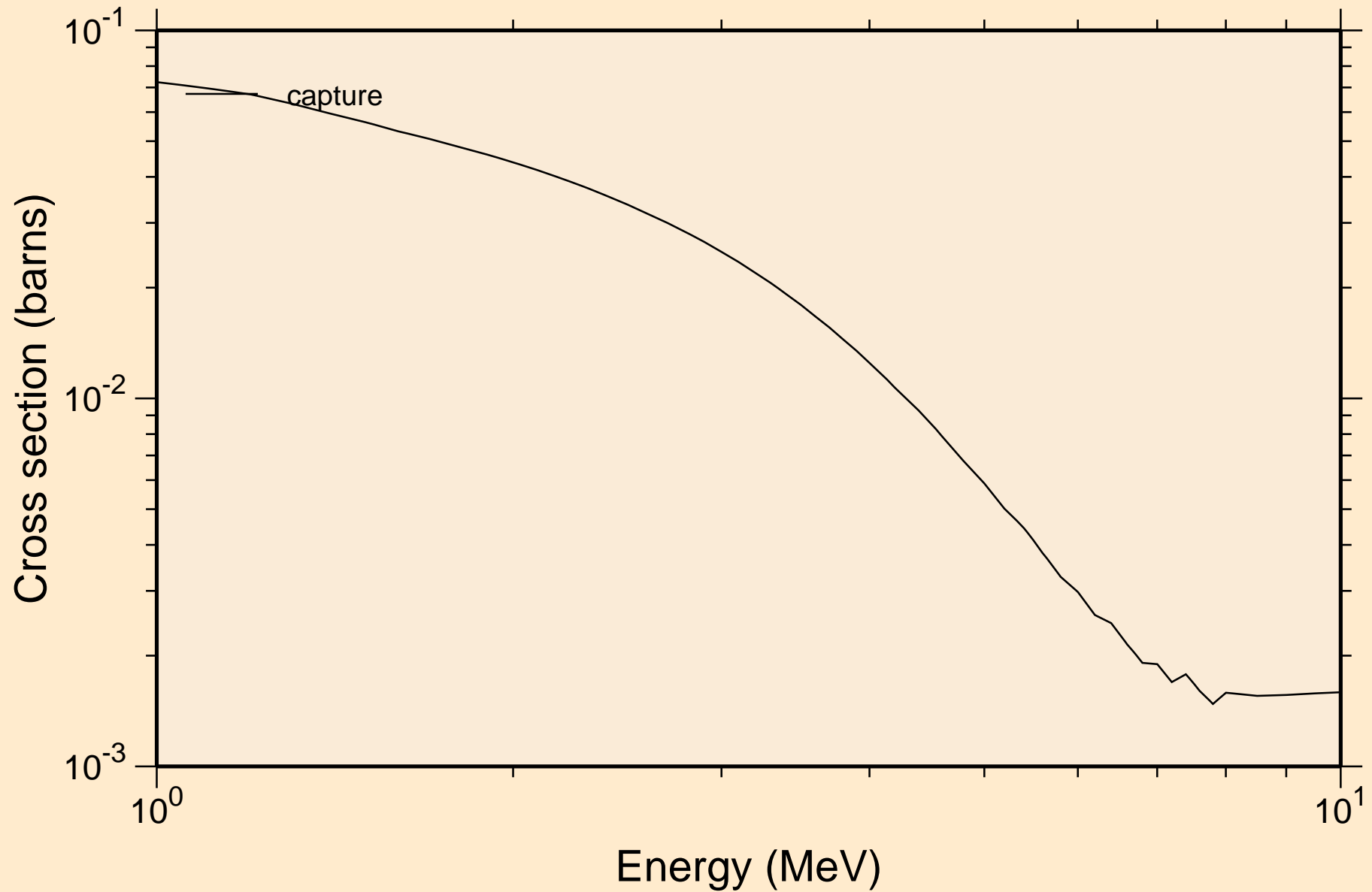


ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

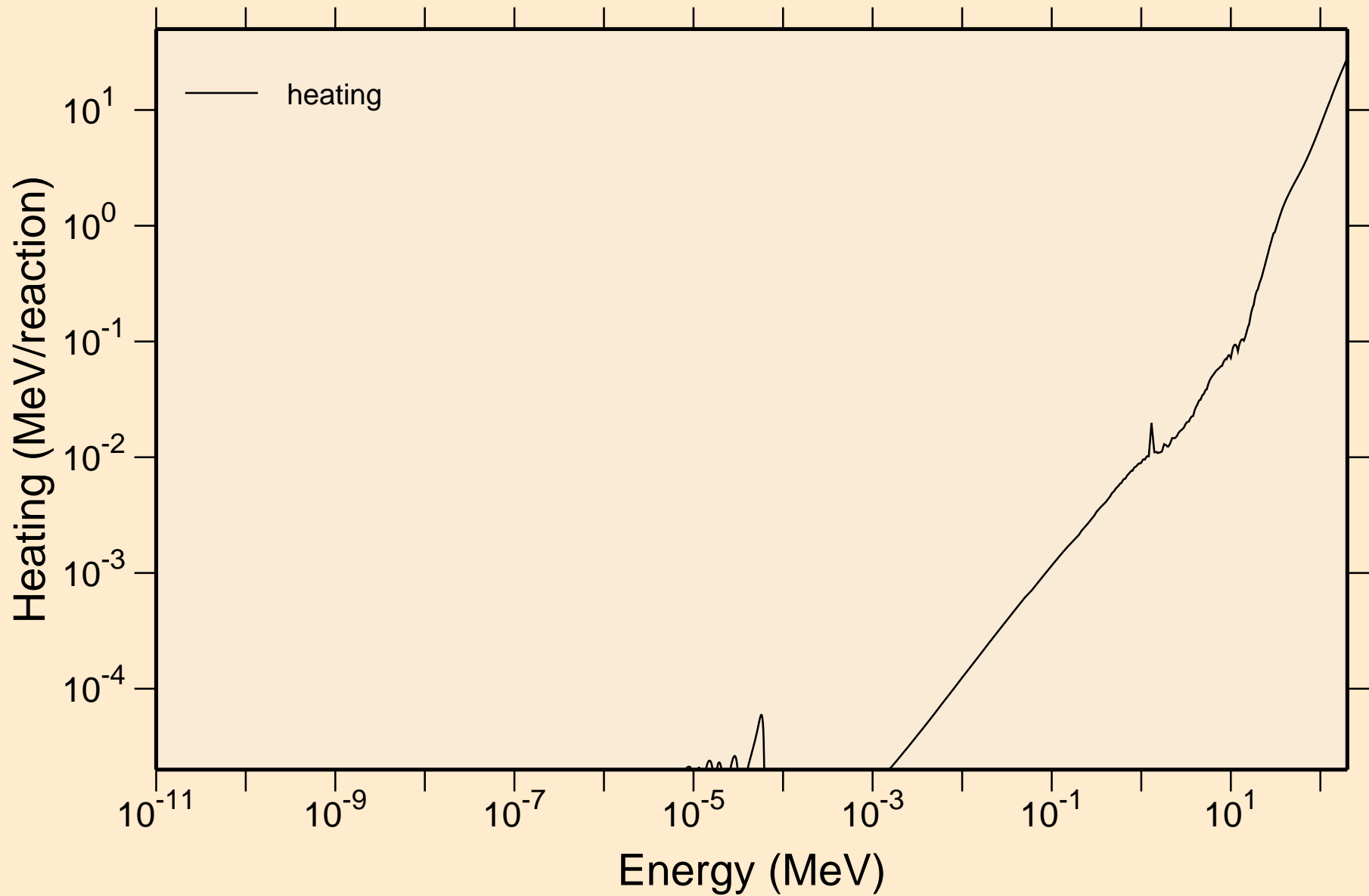




ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

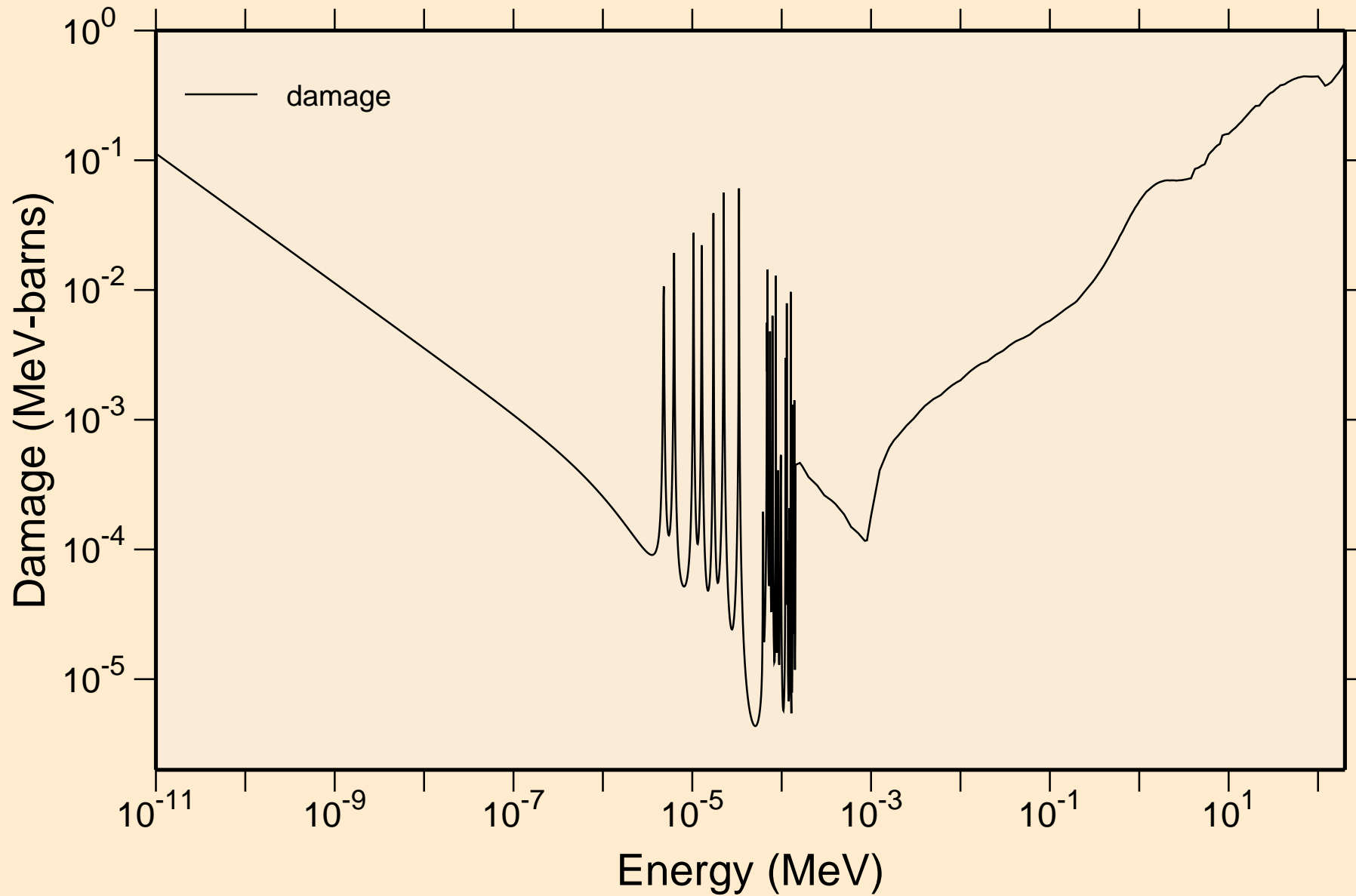


ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Heating



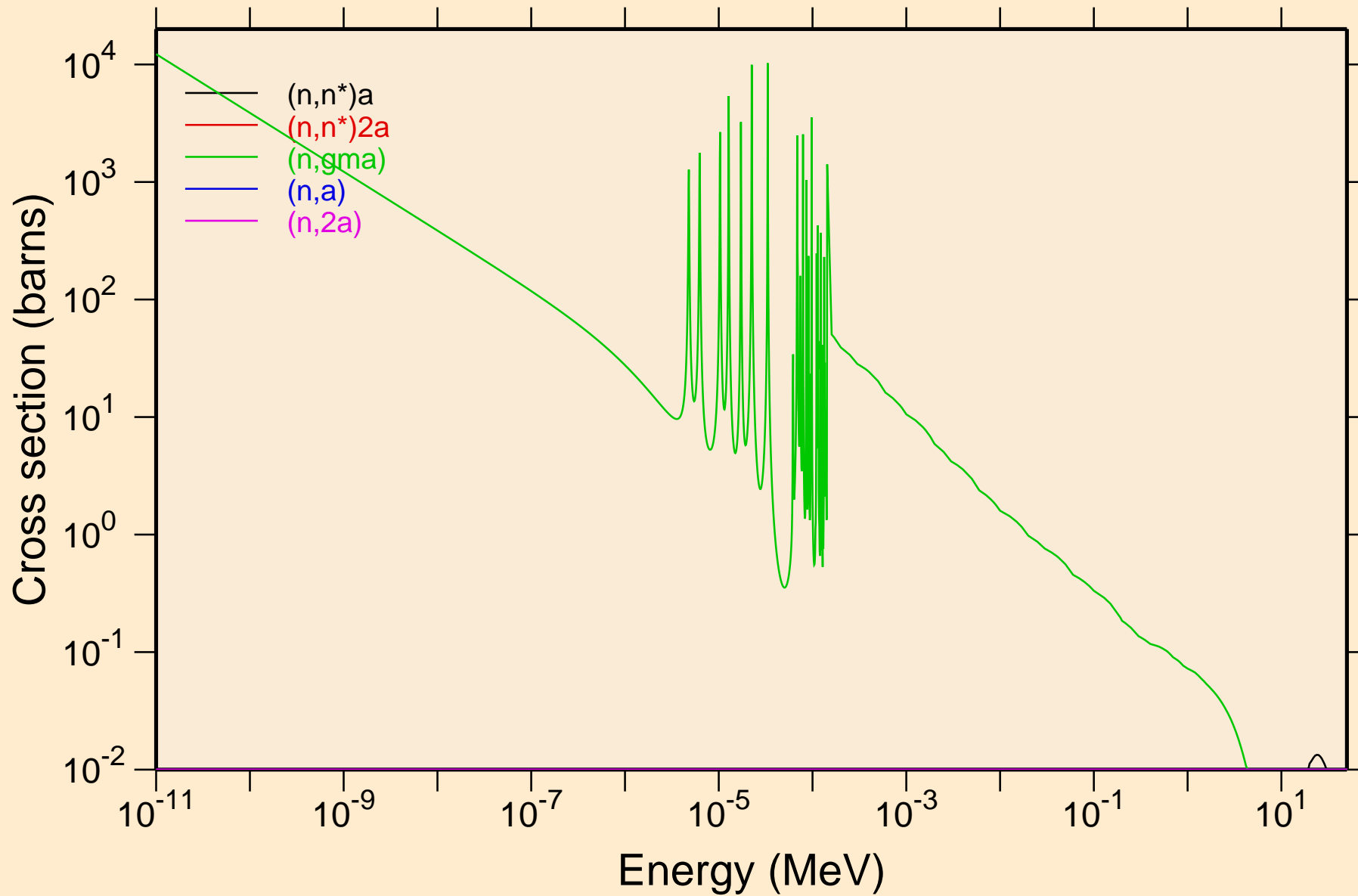
# ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage

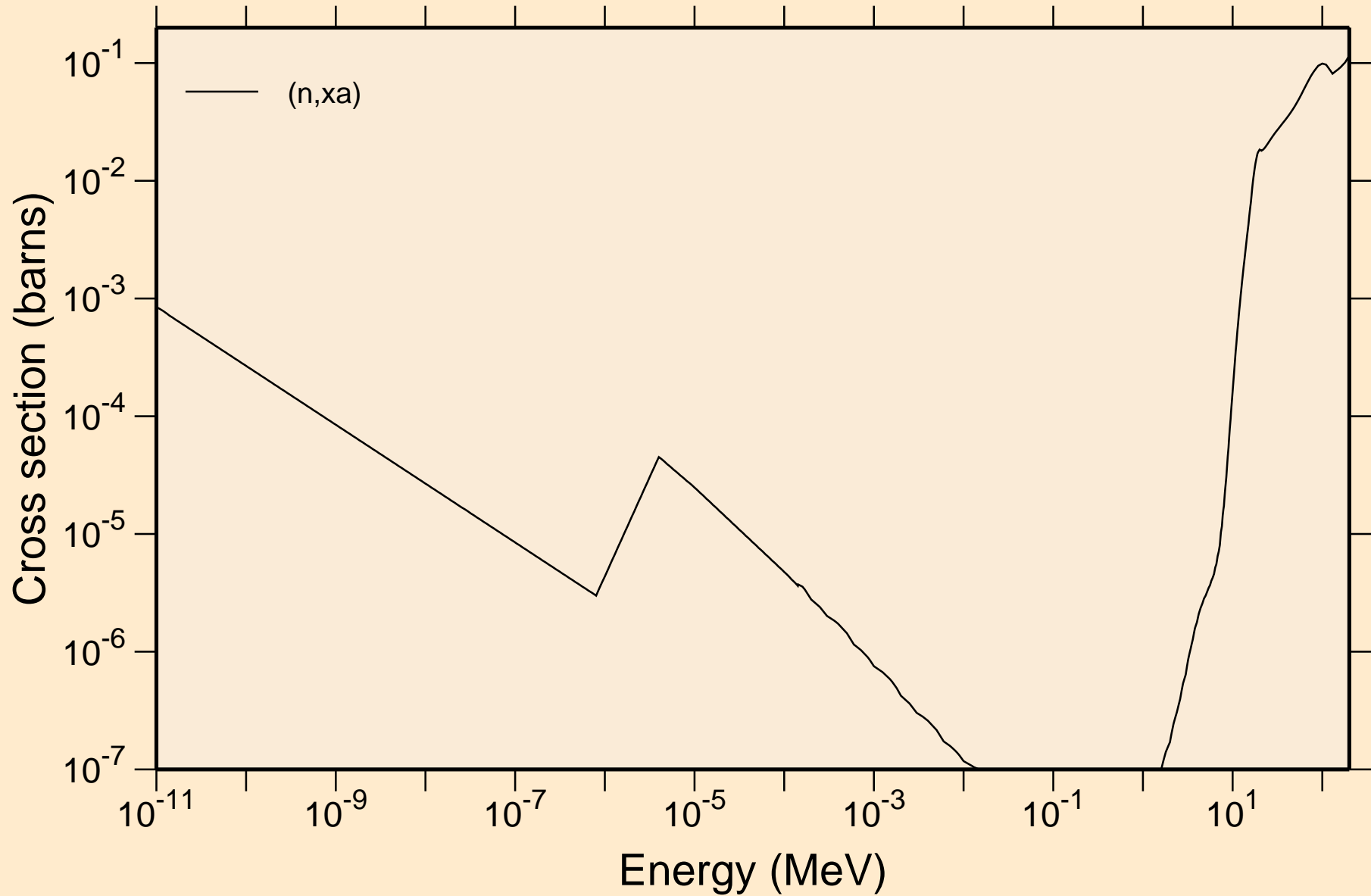


# ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

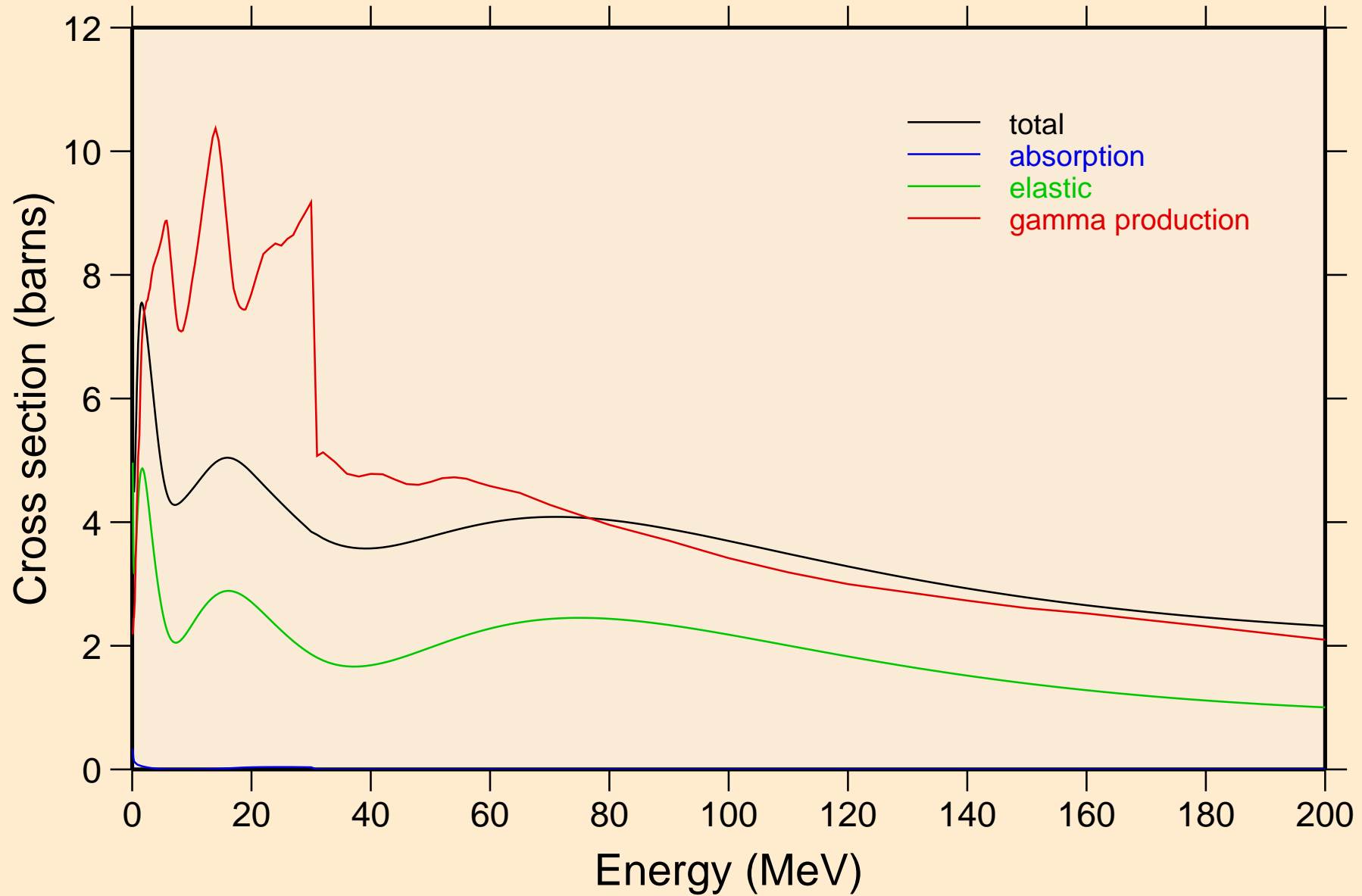


ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



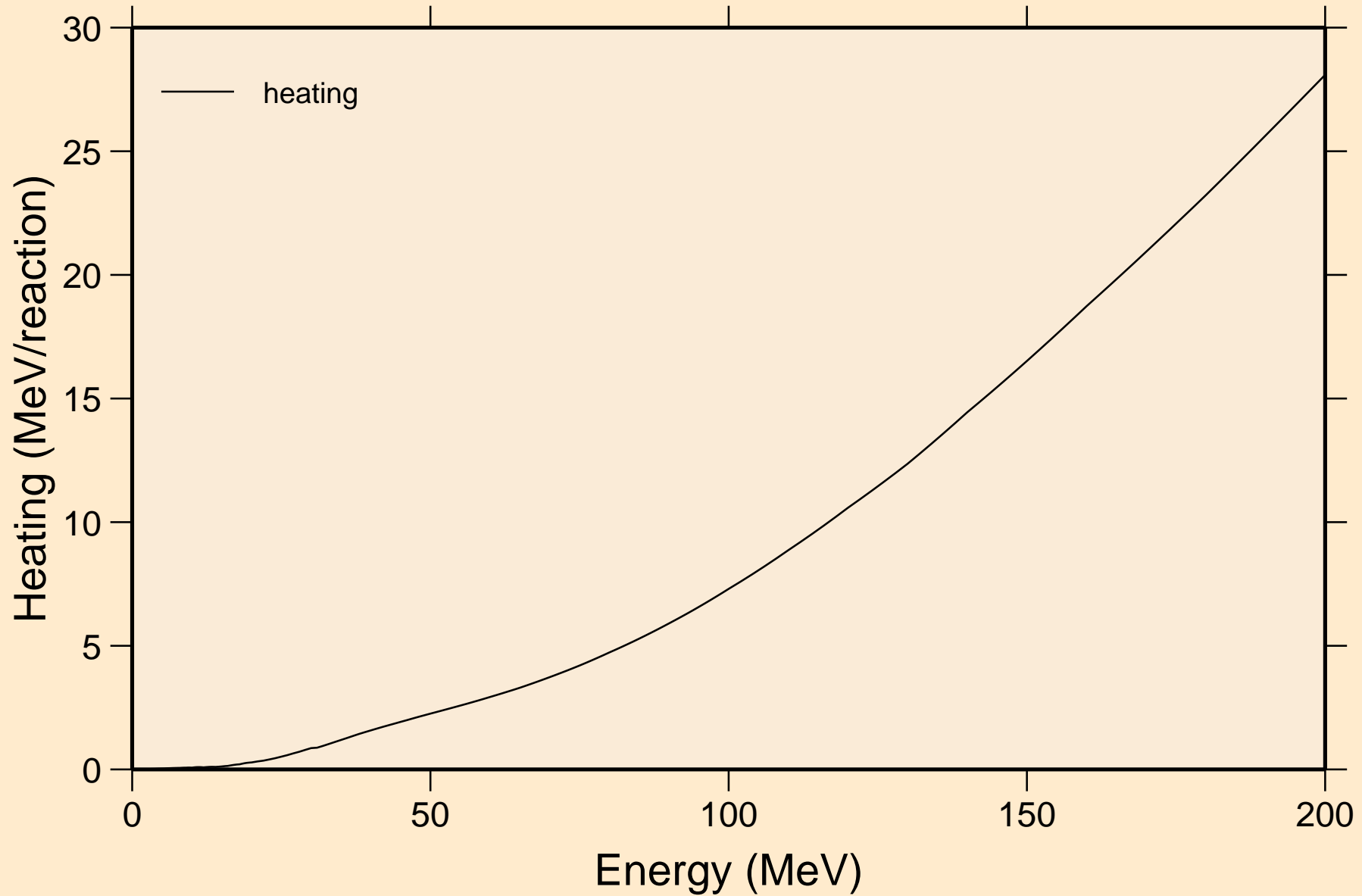
# ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



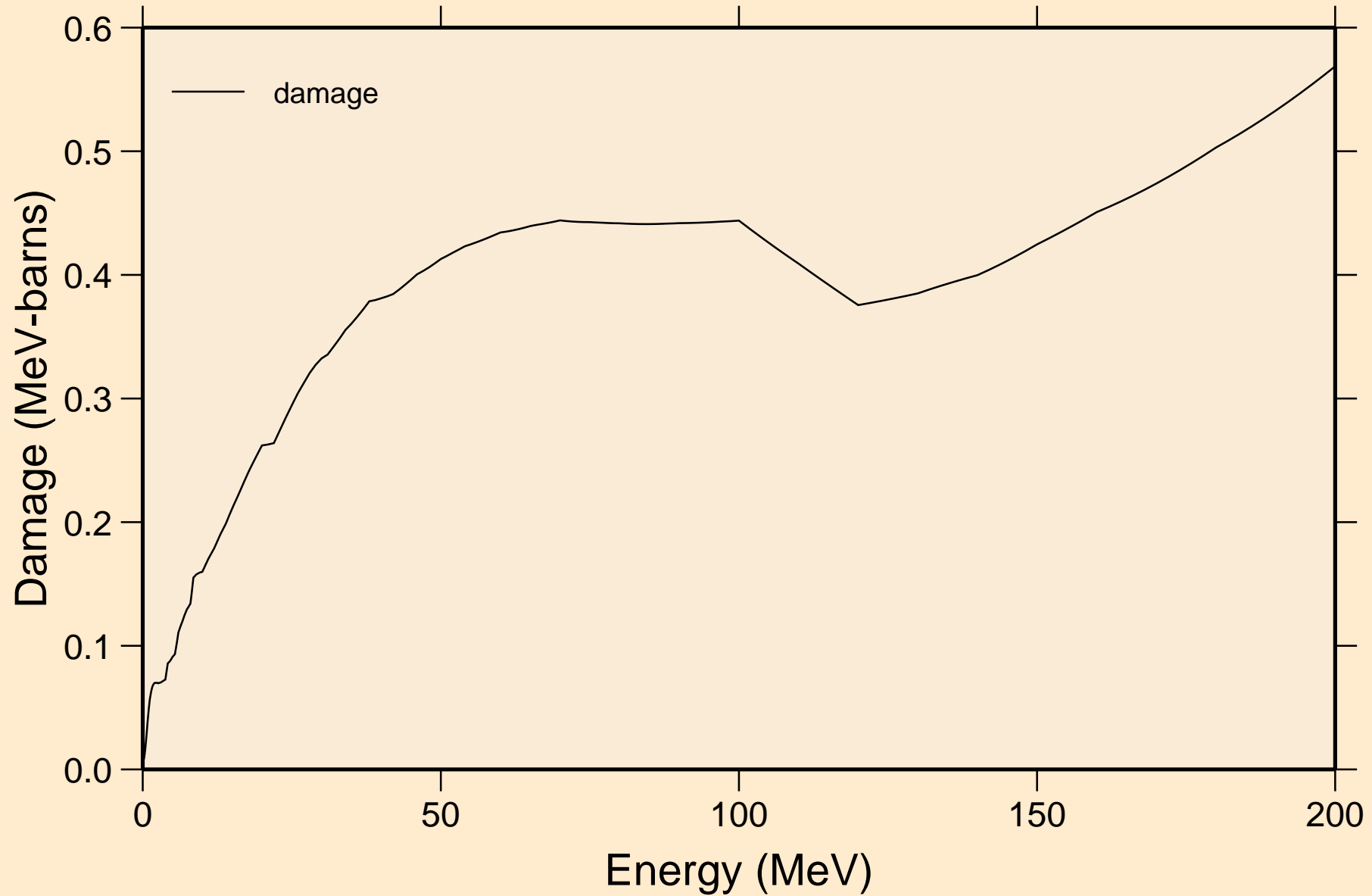
# ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



# ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

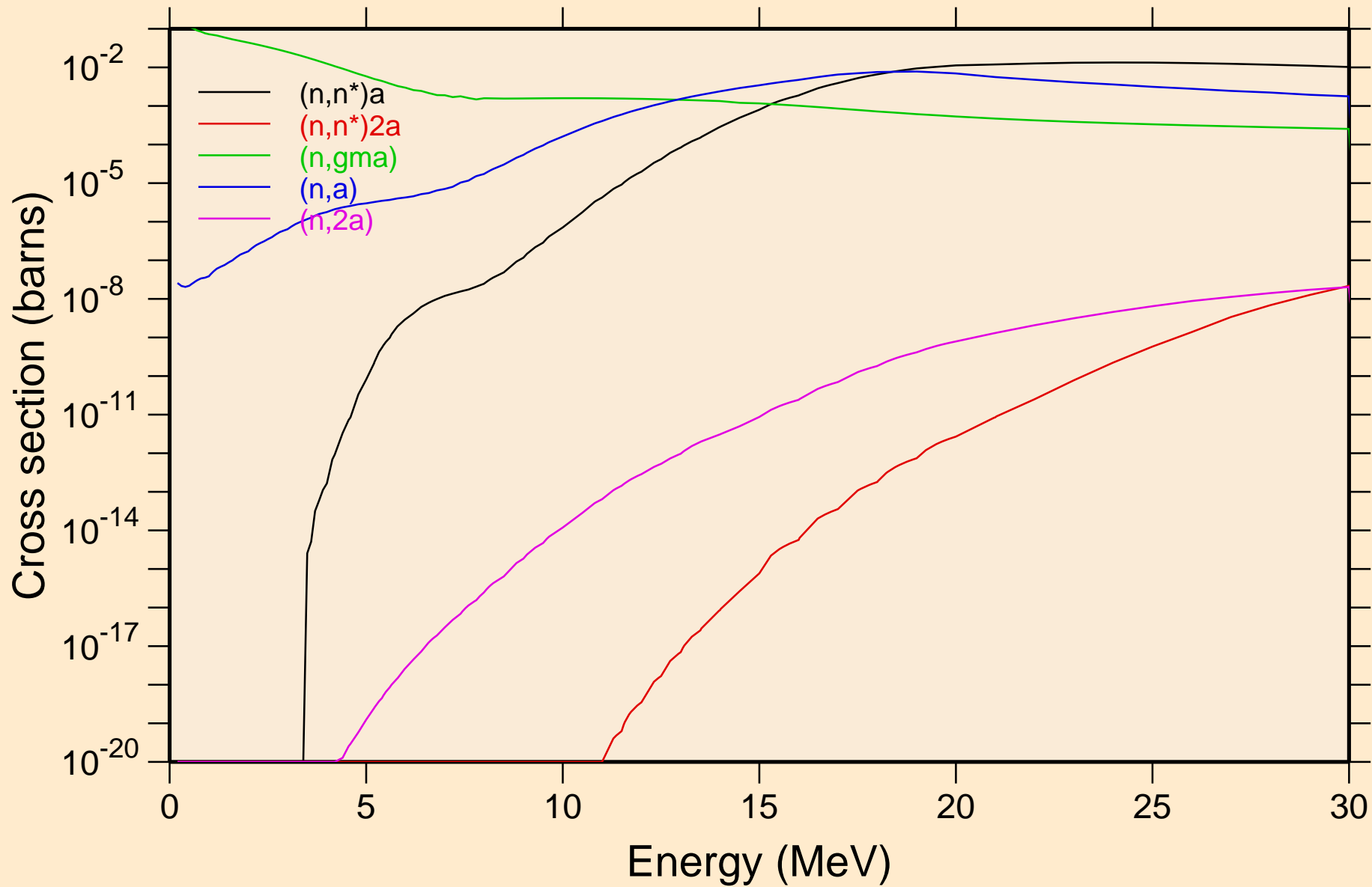
## Damage



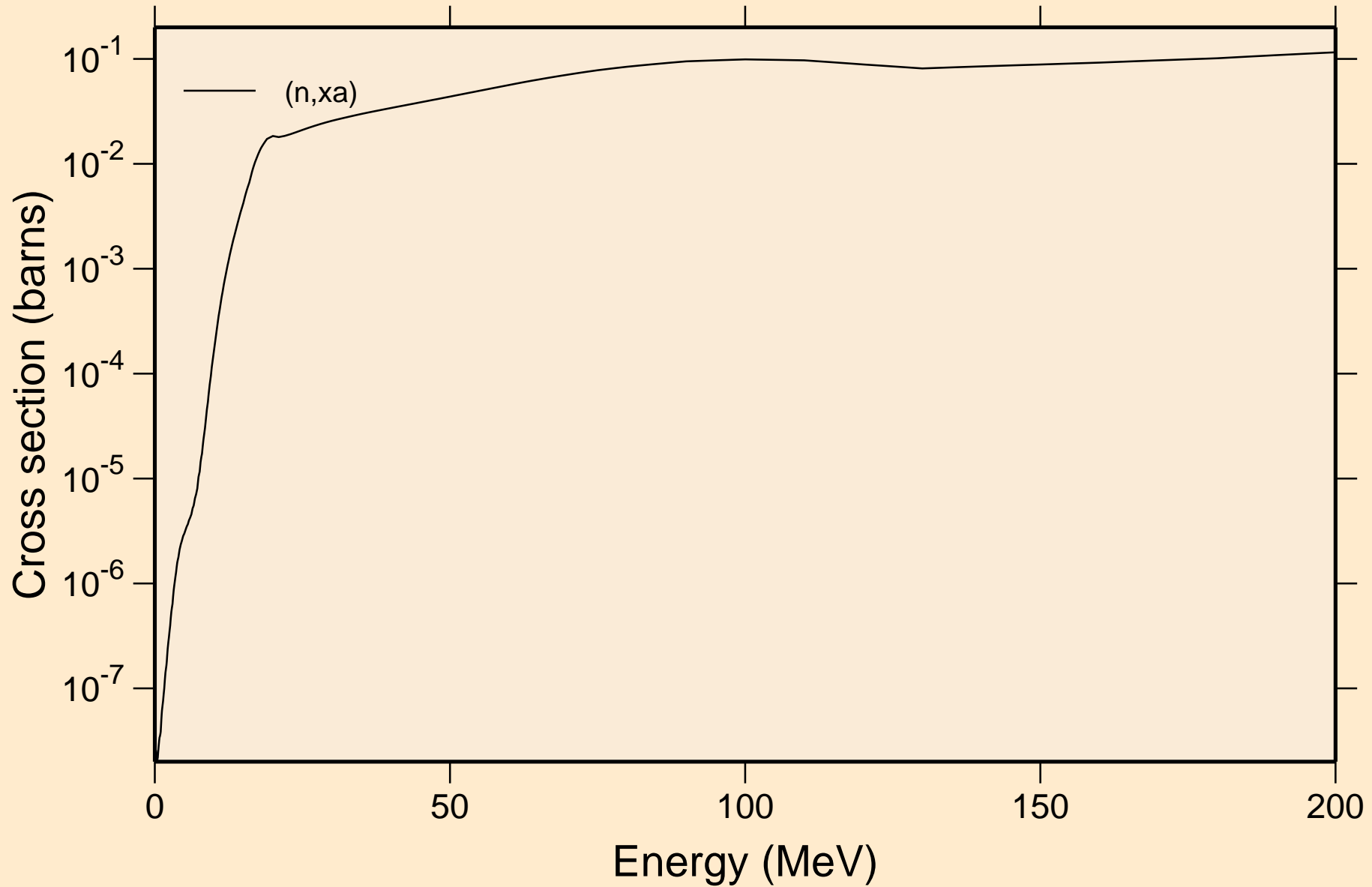


# ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

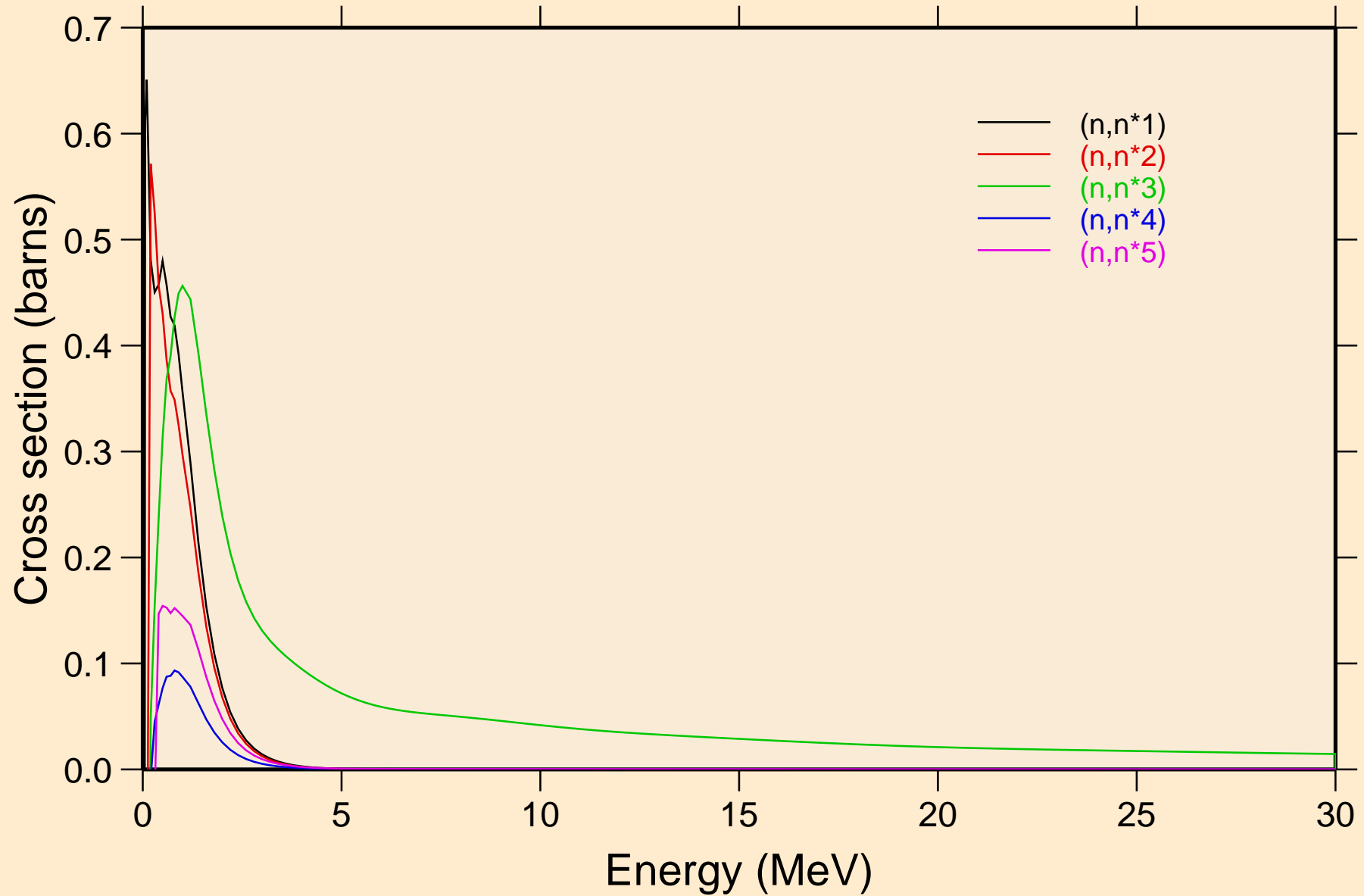
## Non-threshold reactions



ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

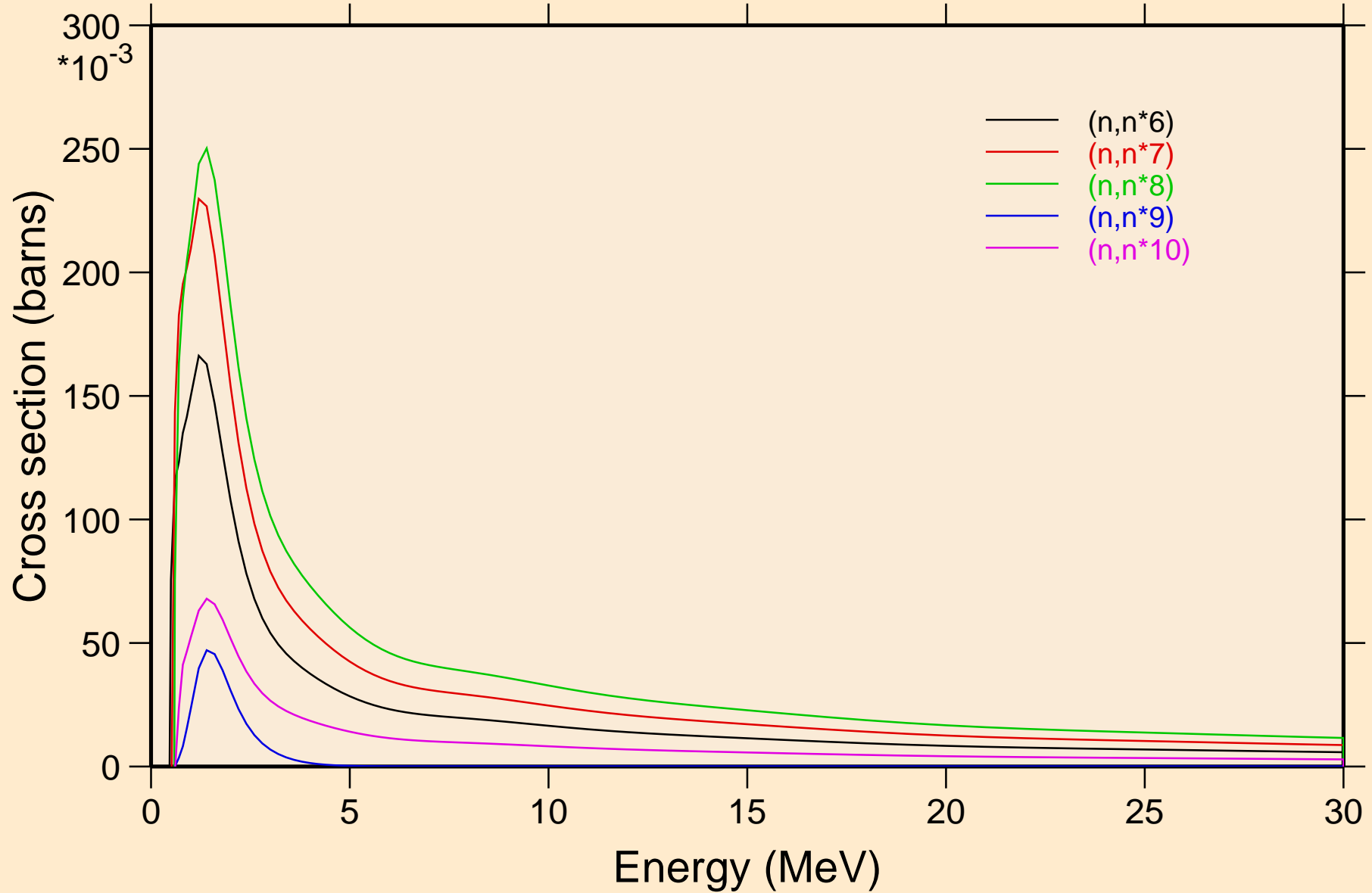


ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



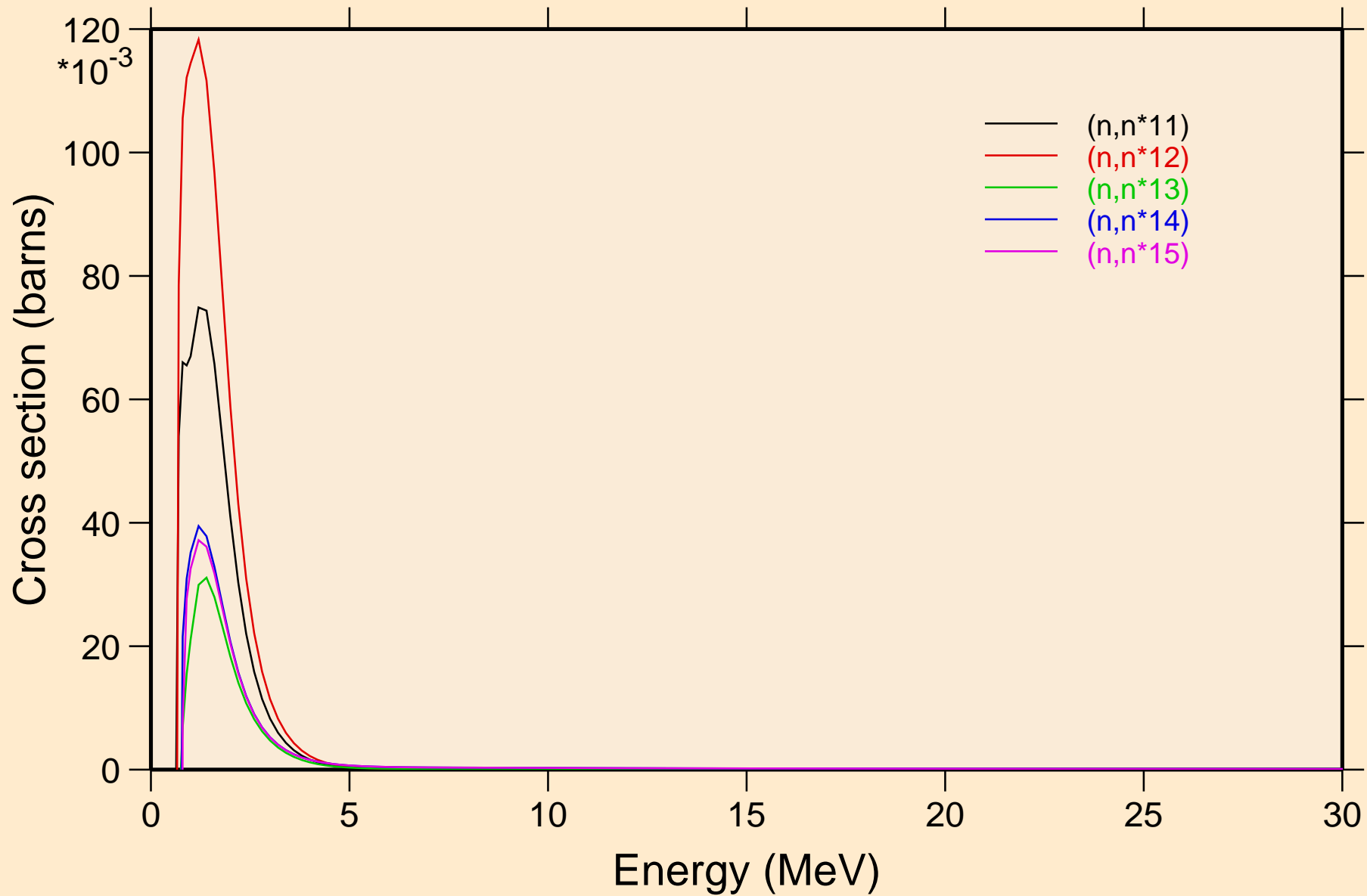
# ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



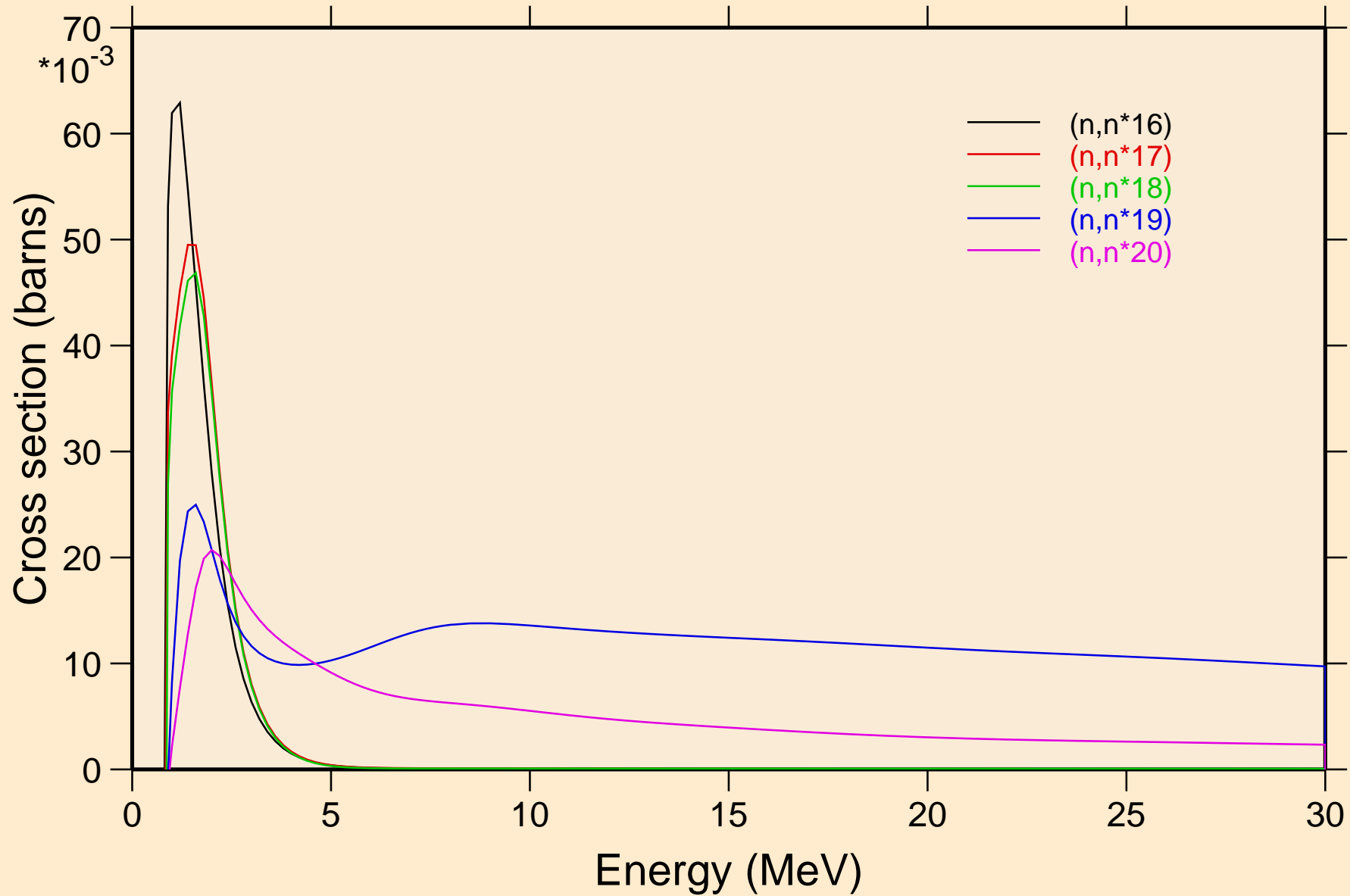
# ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



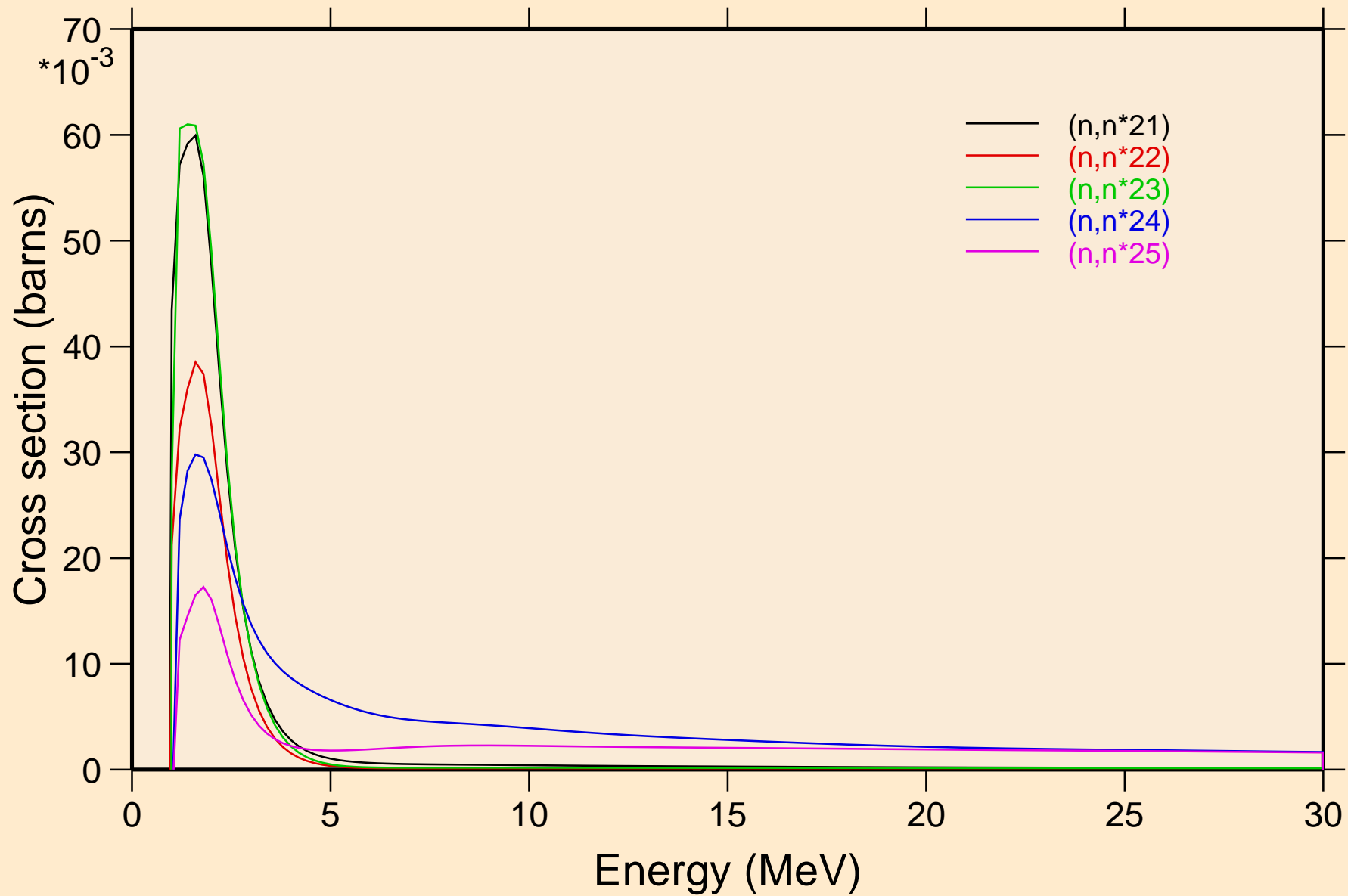
# ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



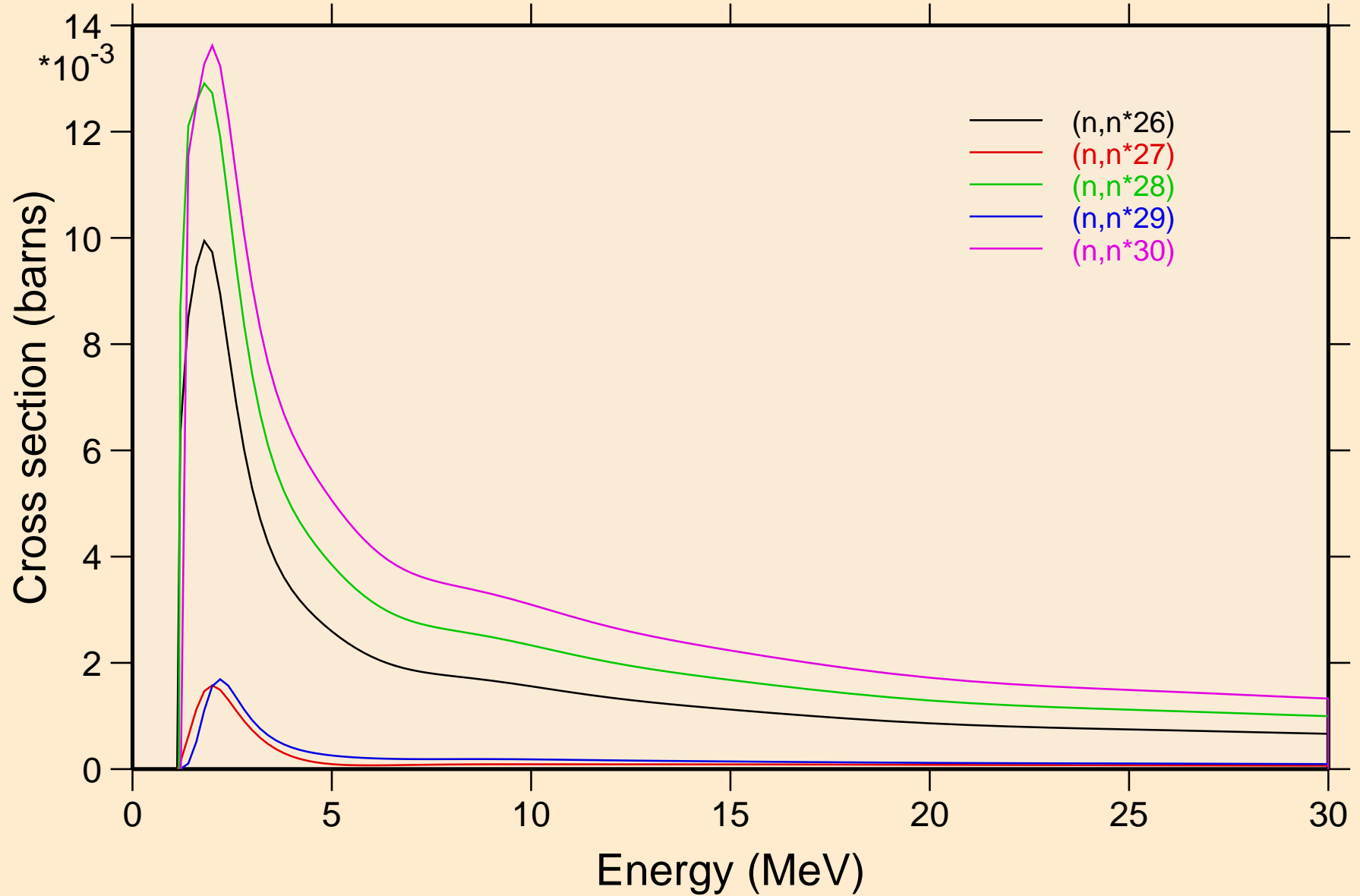
# ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



# ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

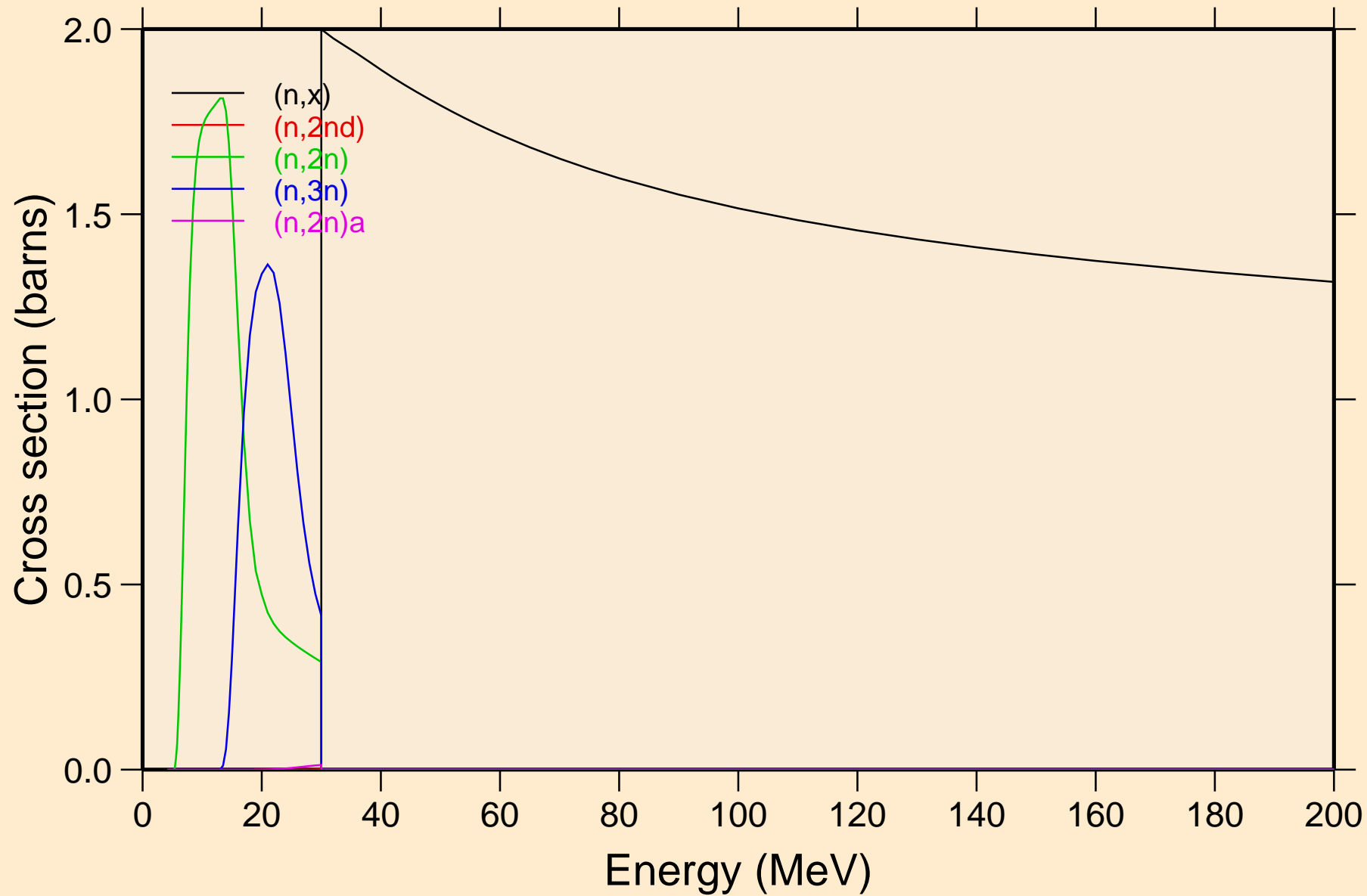
## Inelastic levels





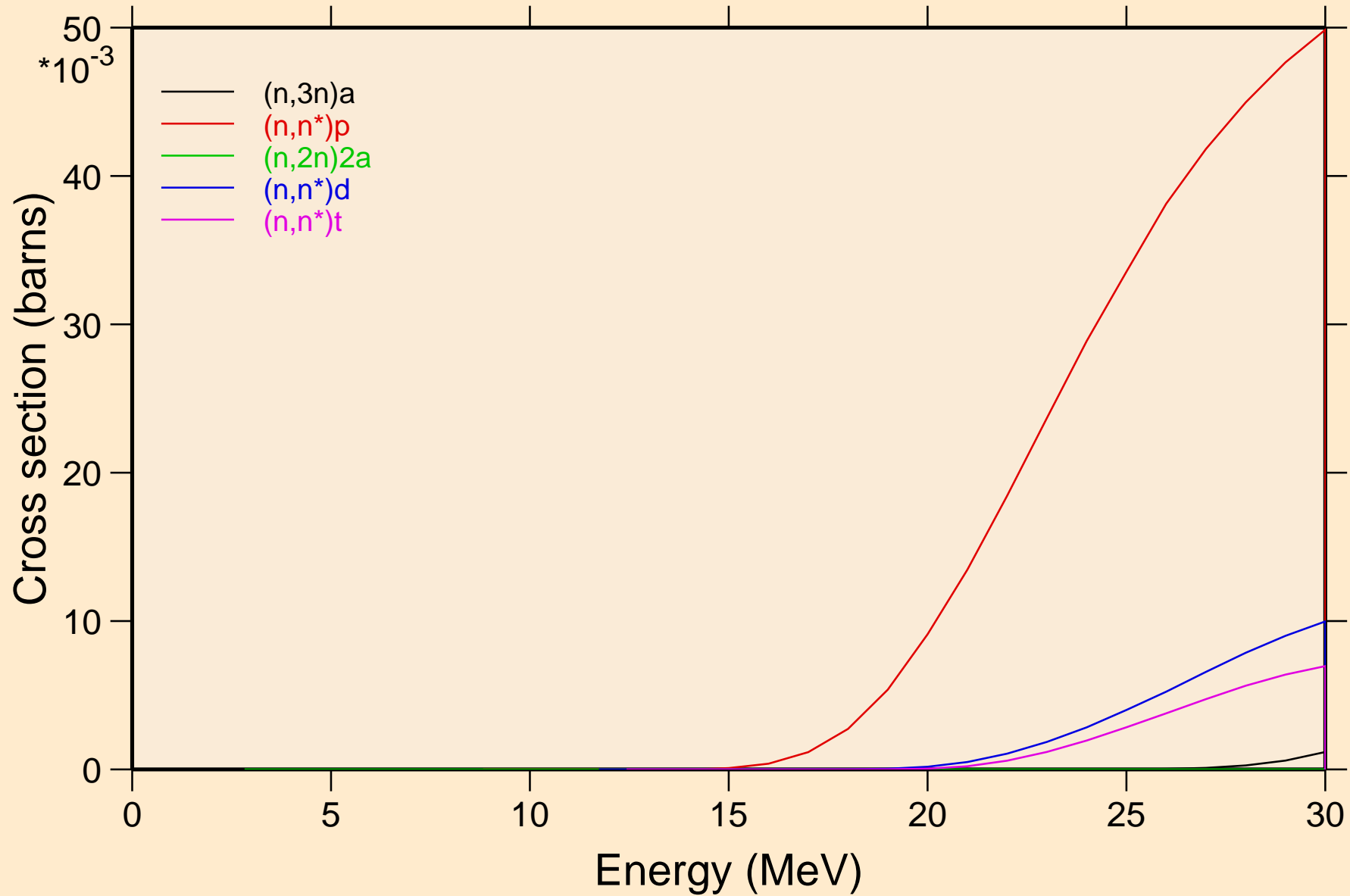
# ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

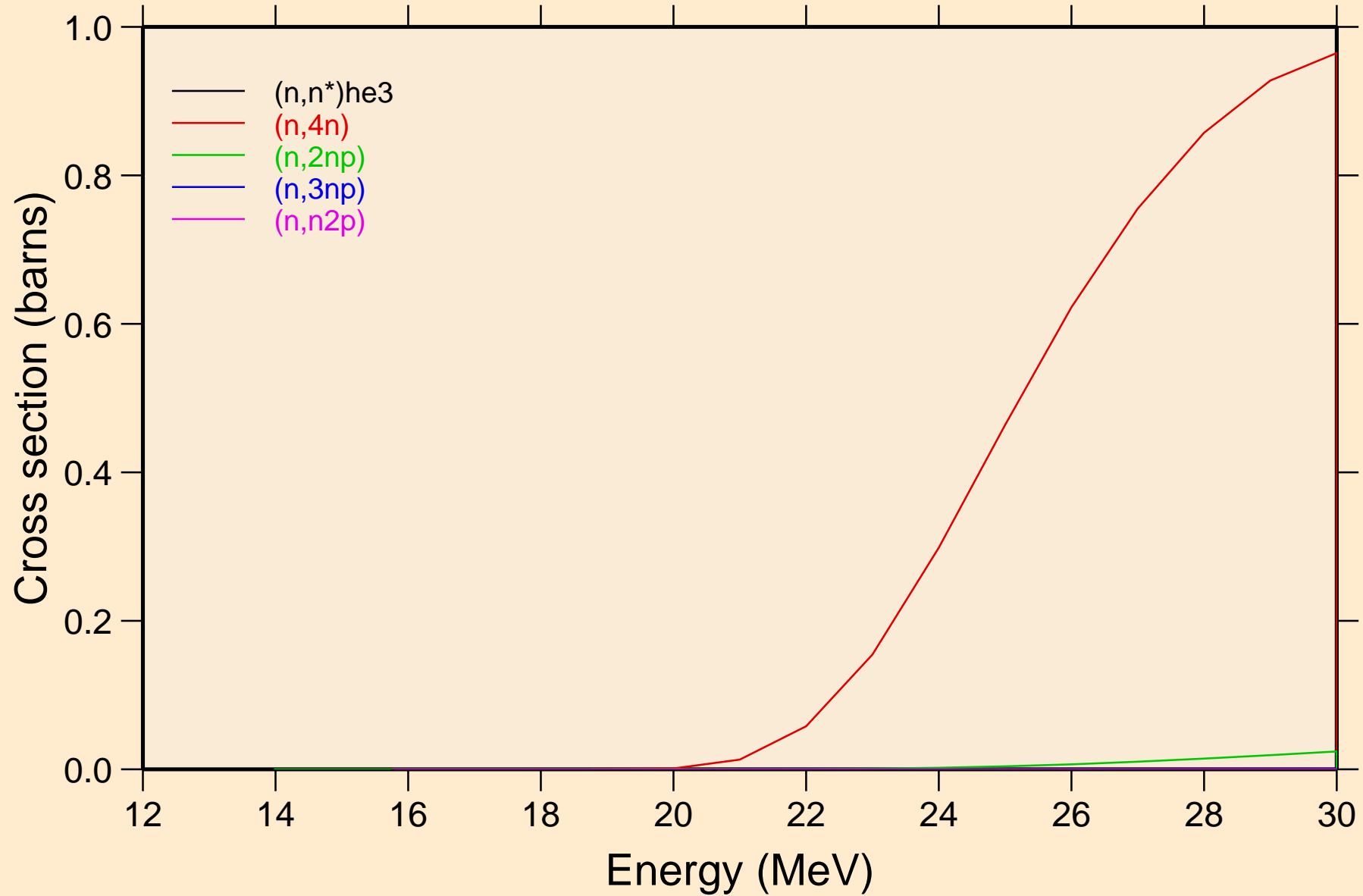


# ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

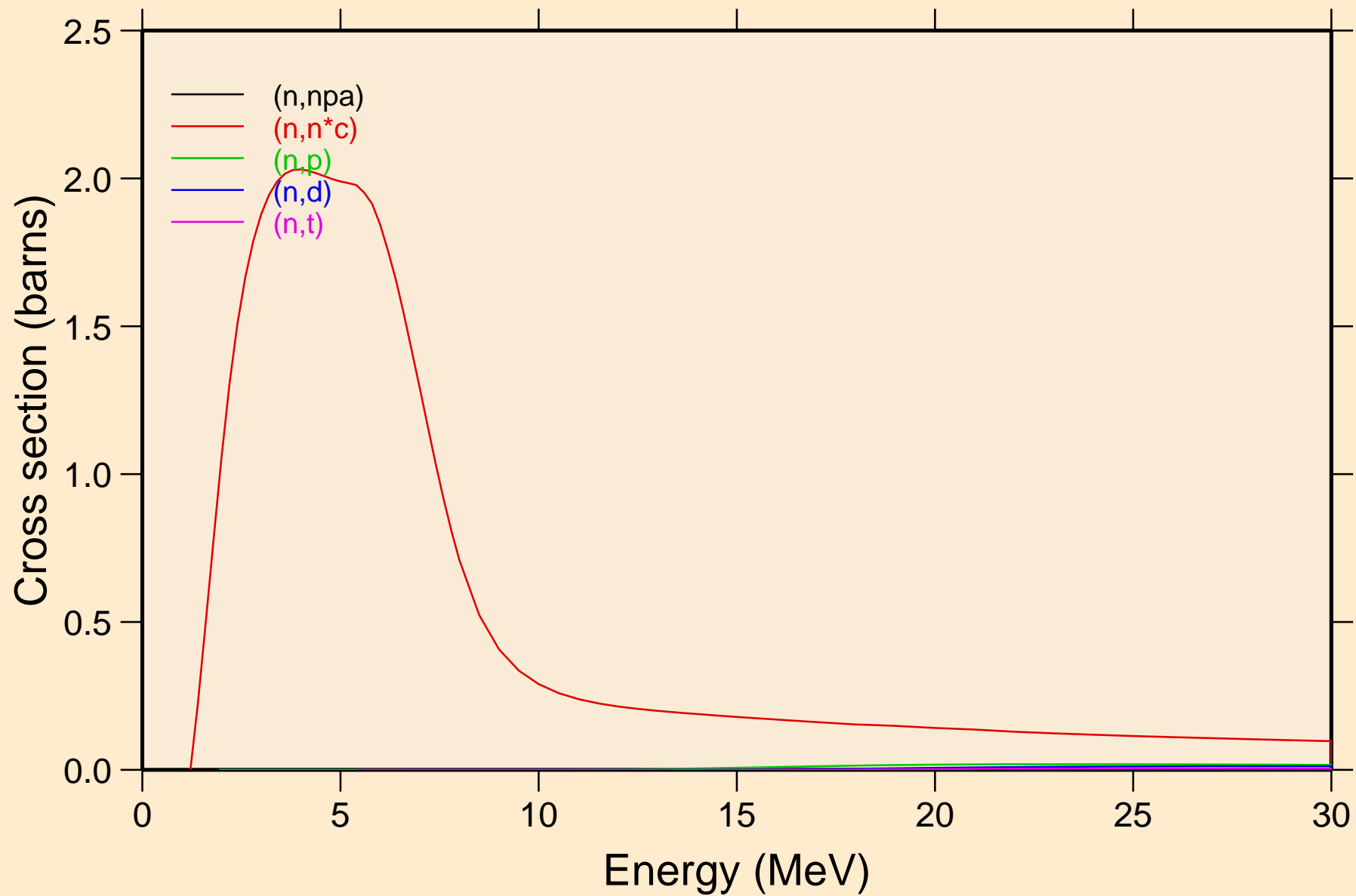


ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



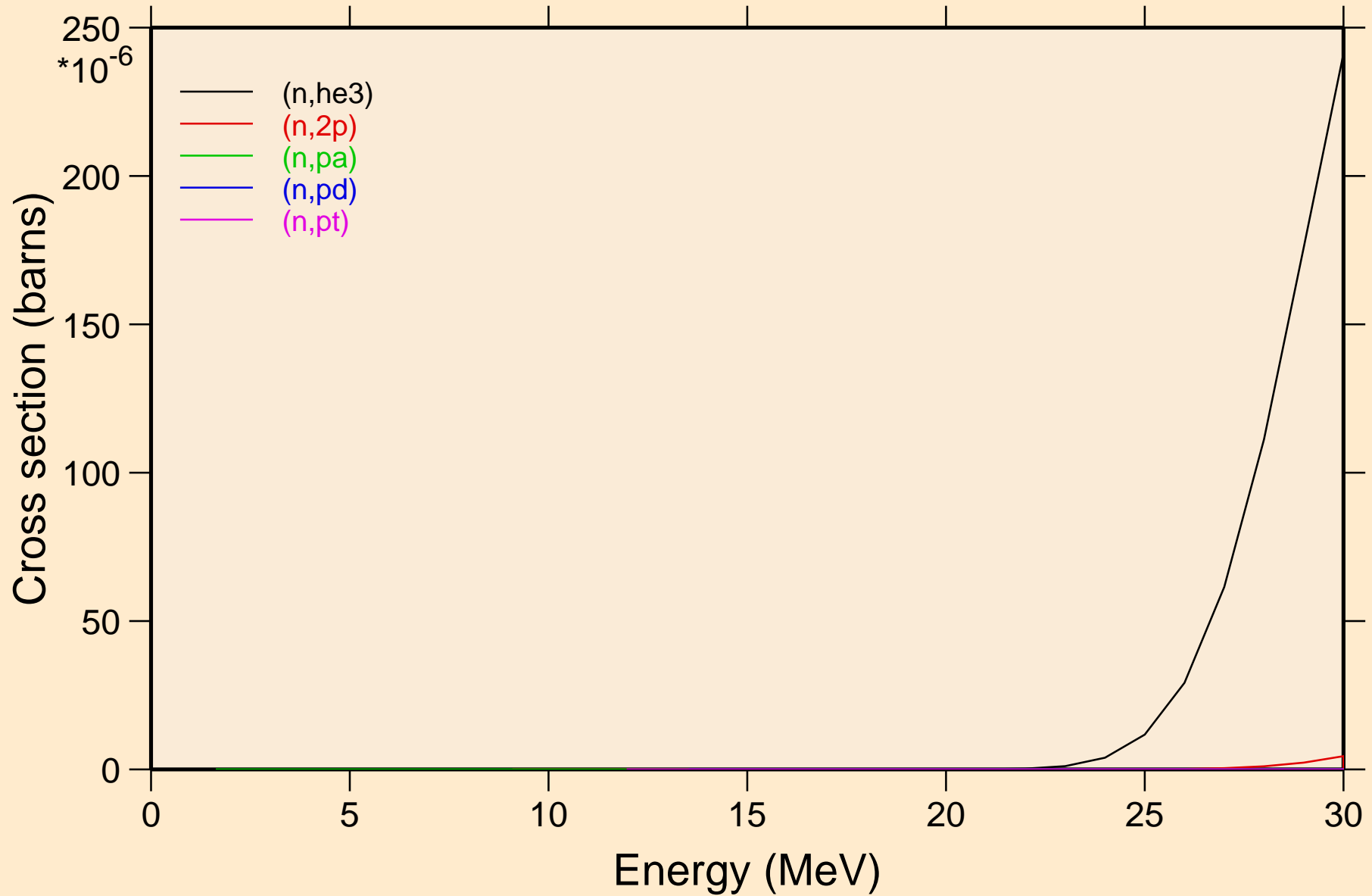
# ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

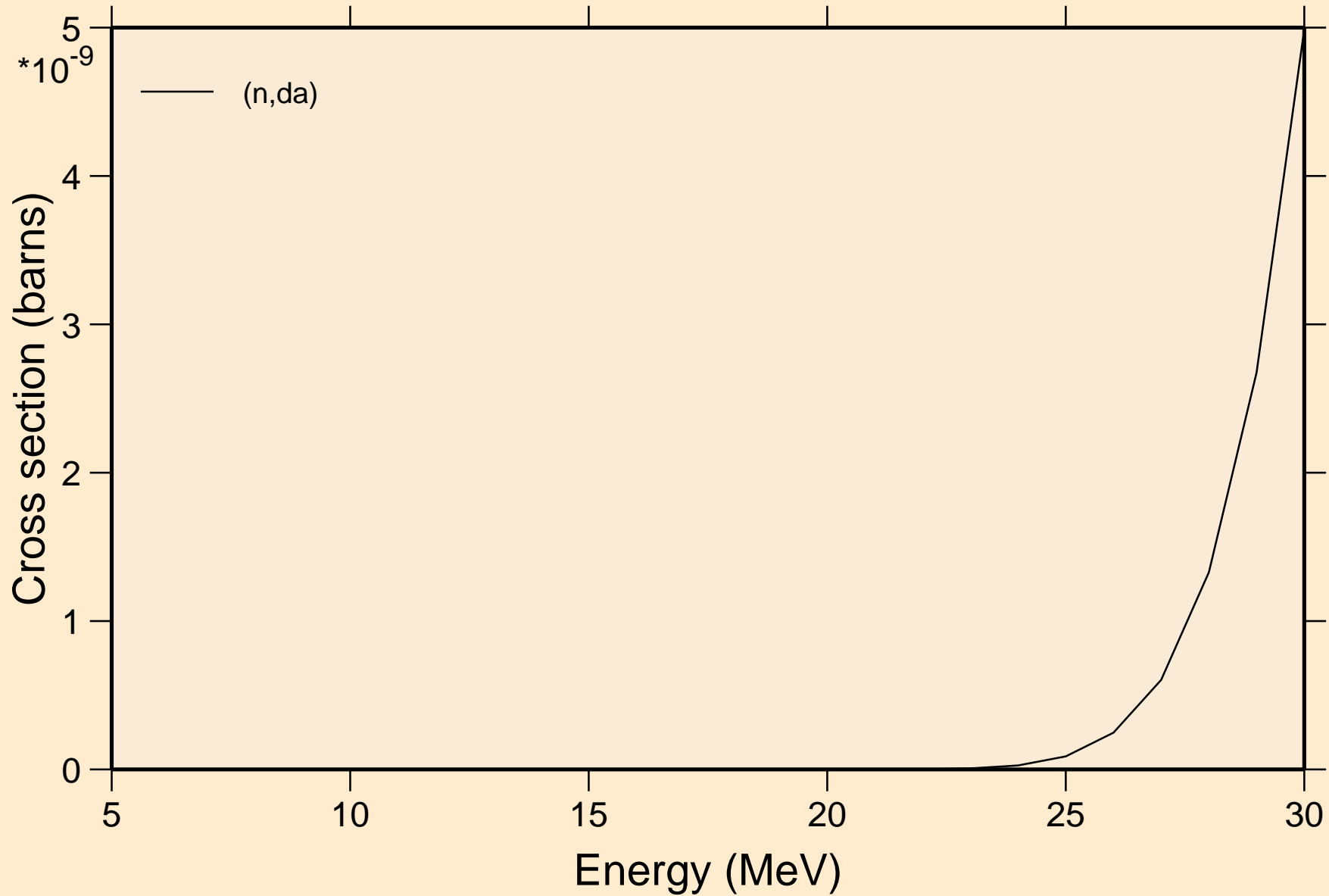


# ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

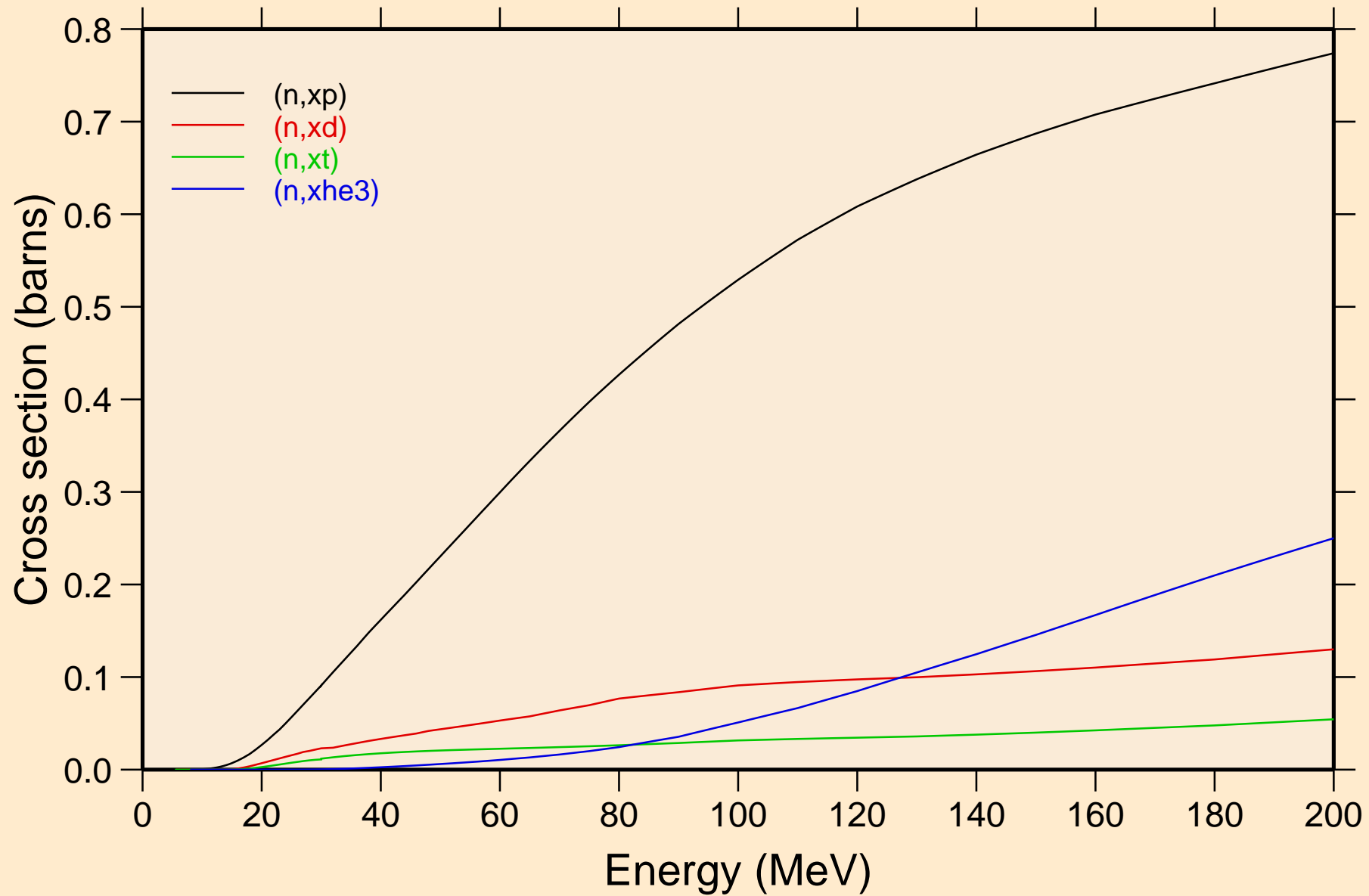


ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

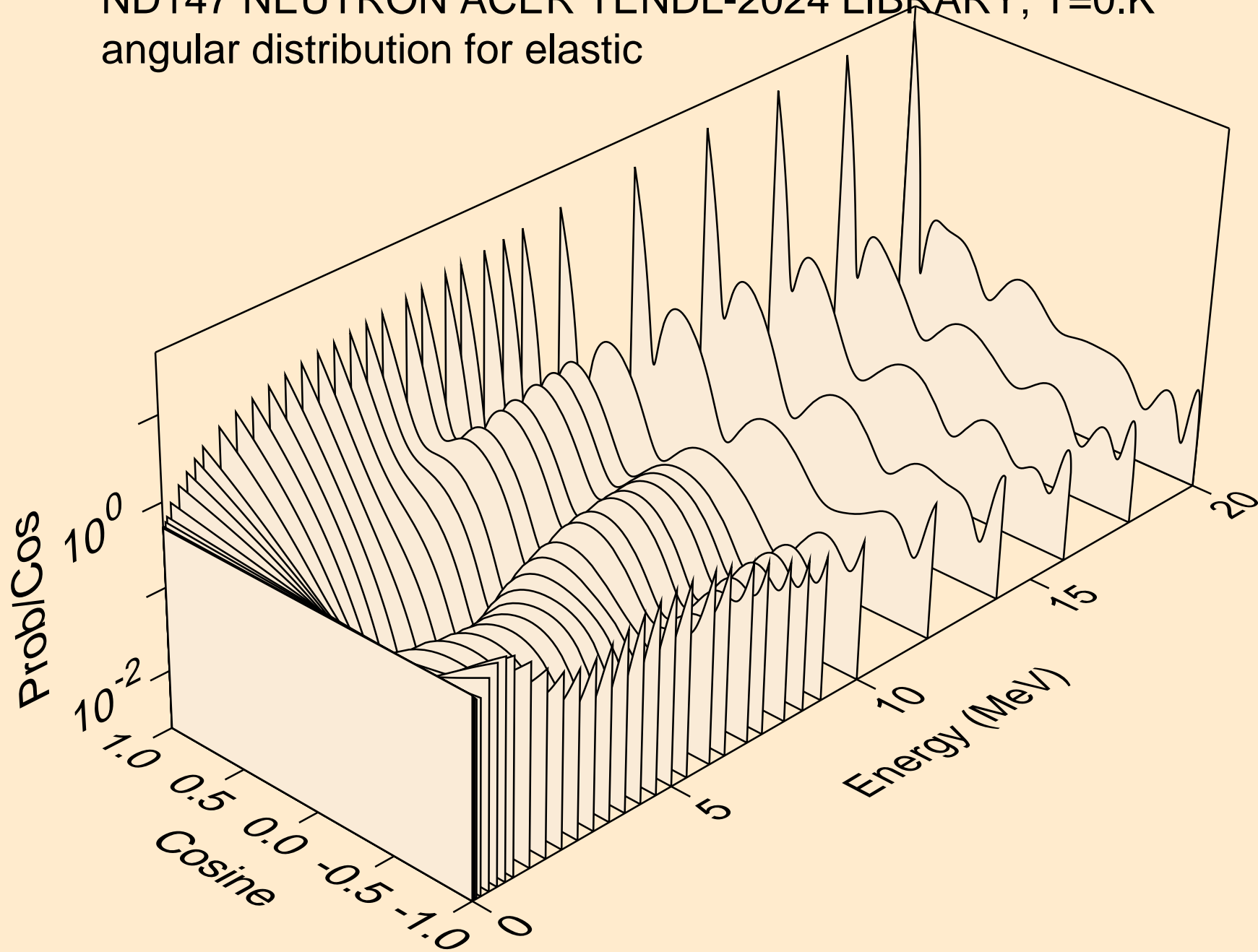


# ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

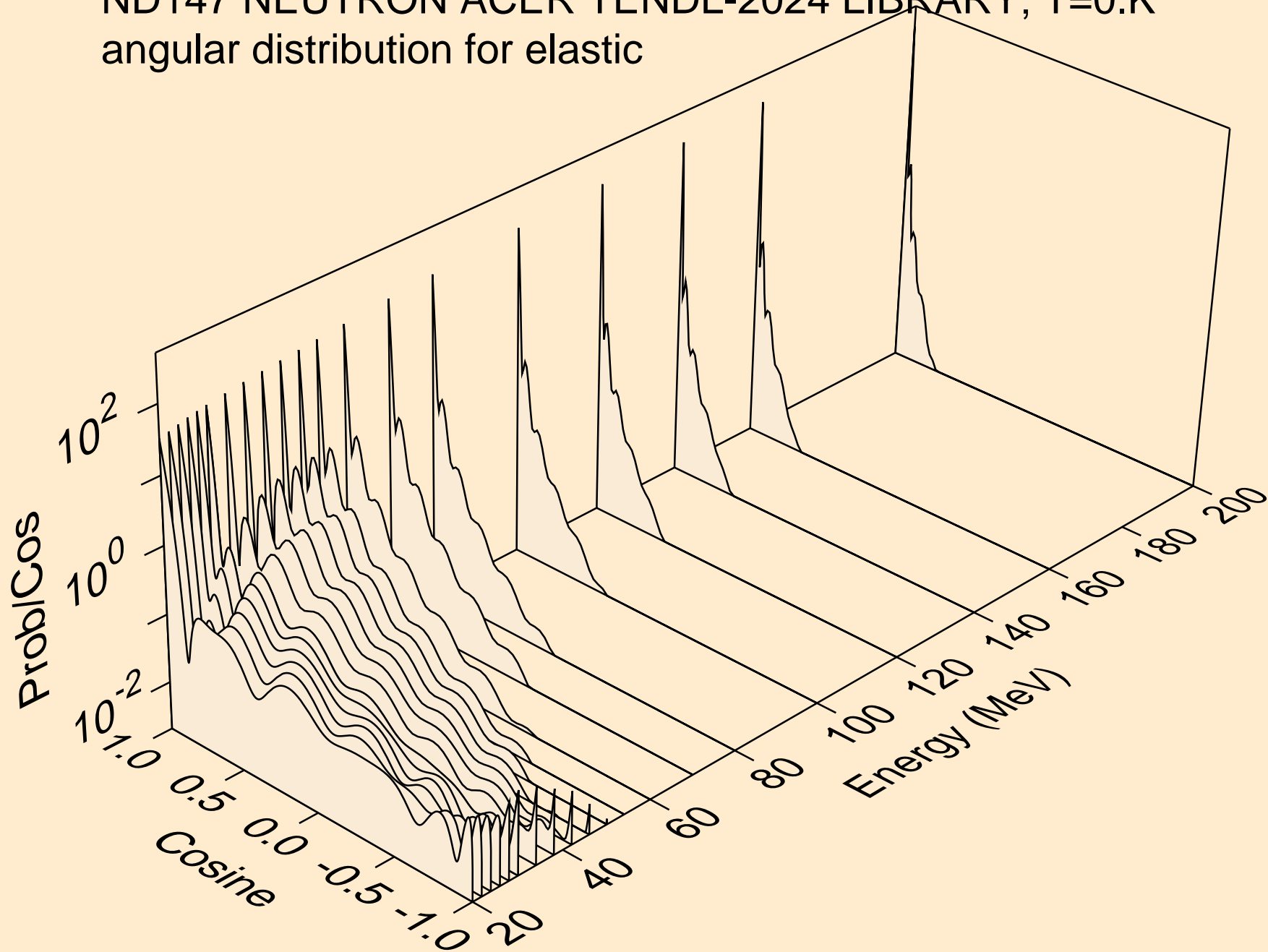


ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

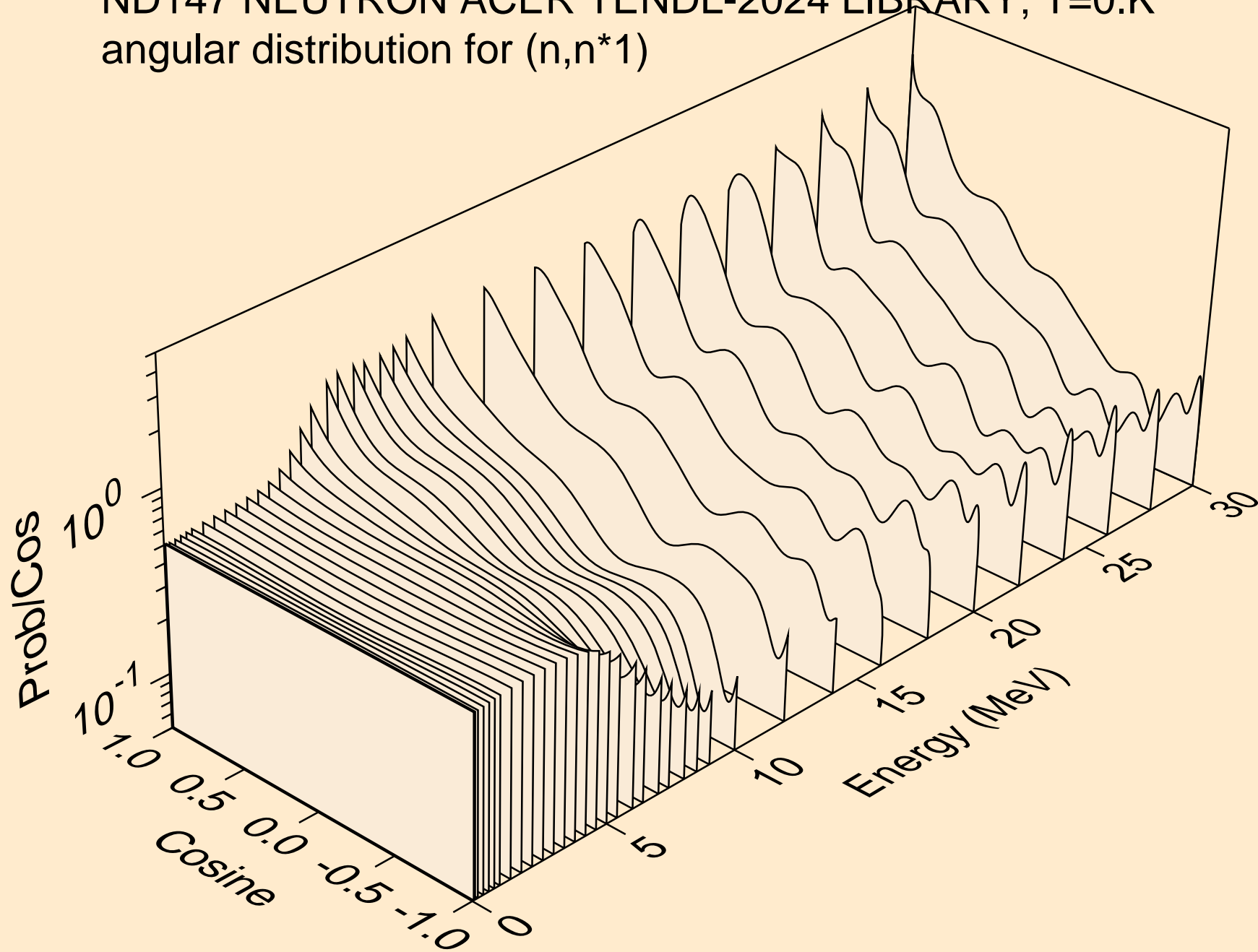




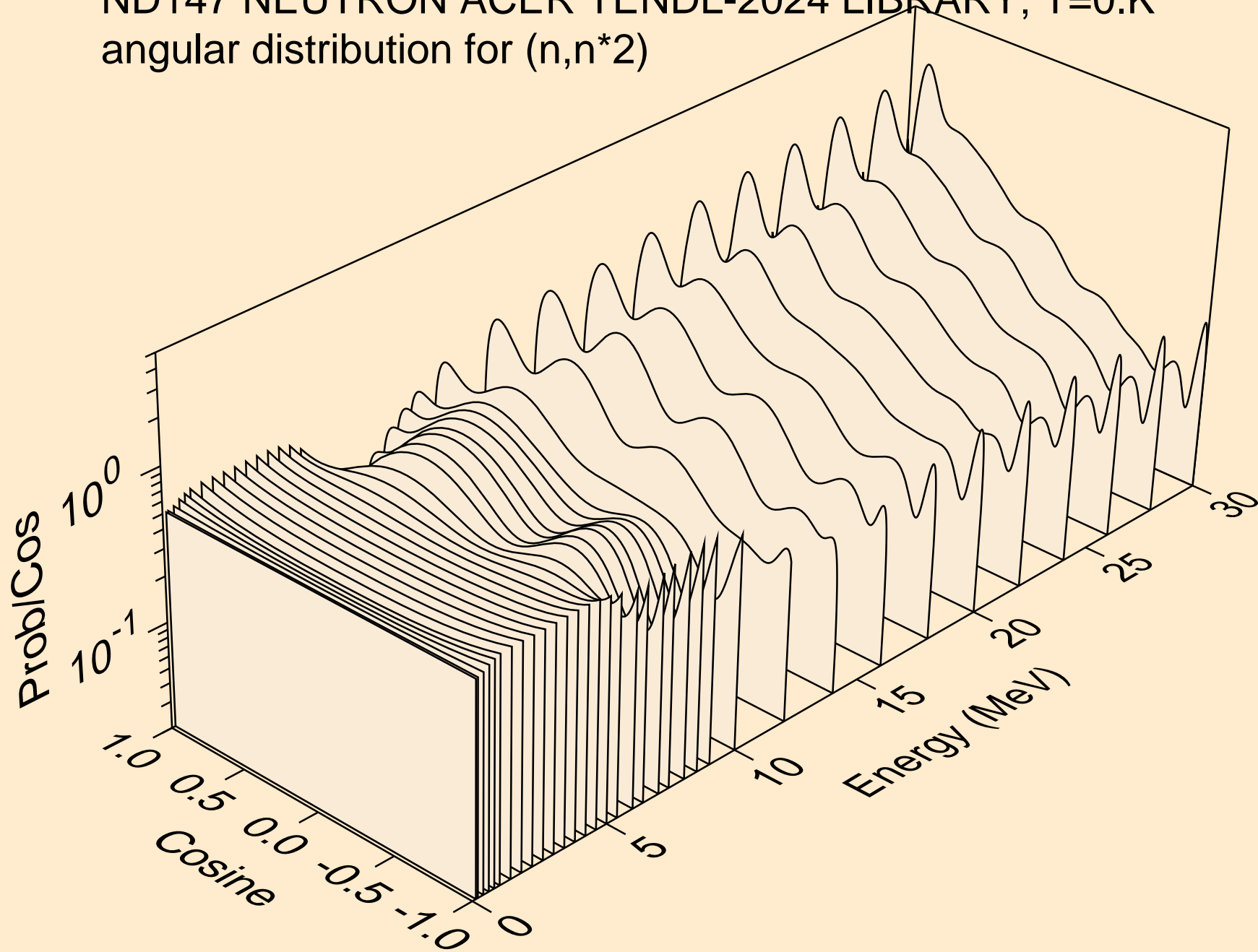
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



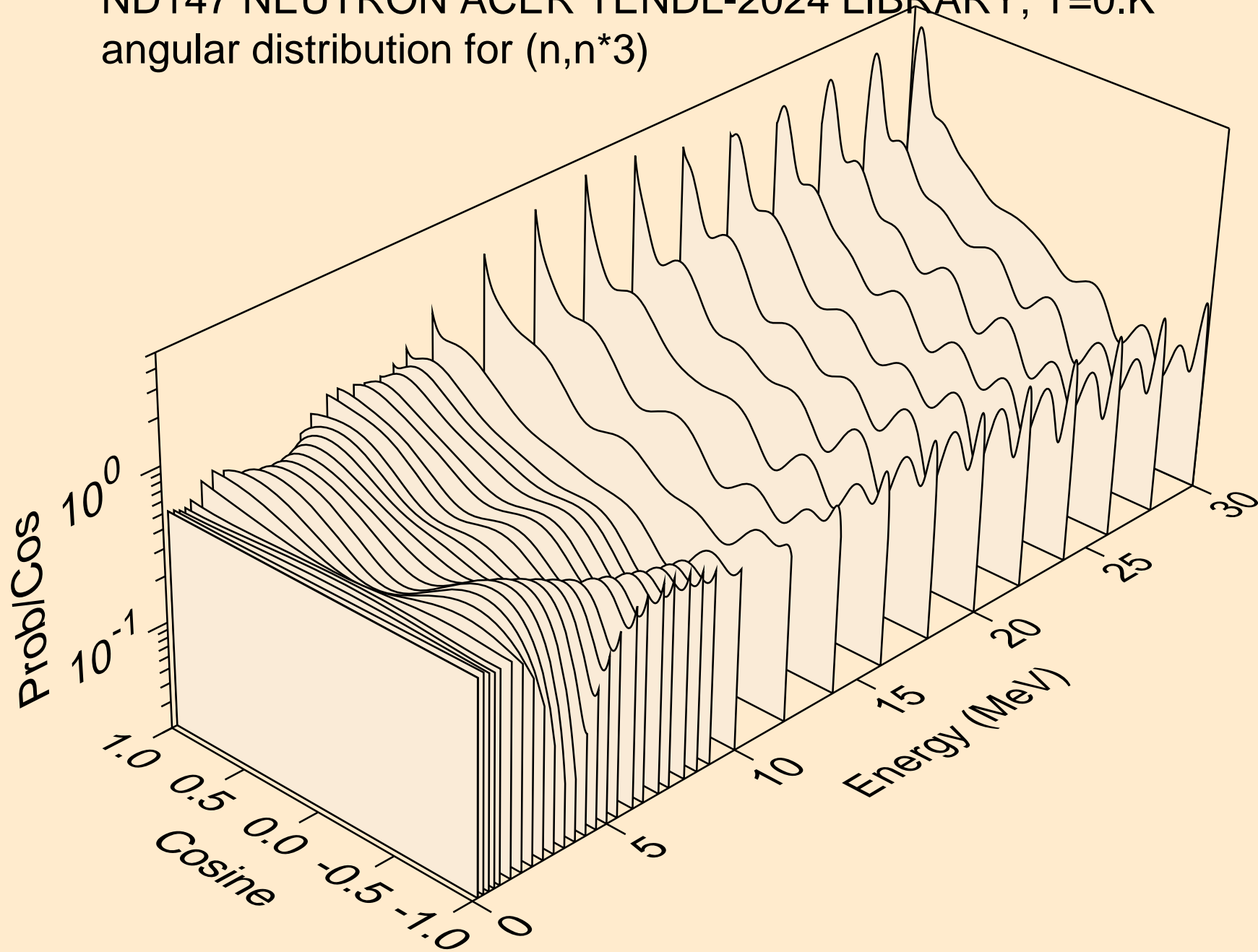
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



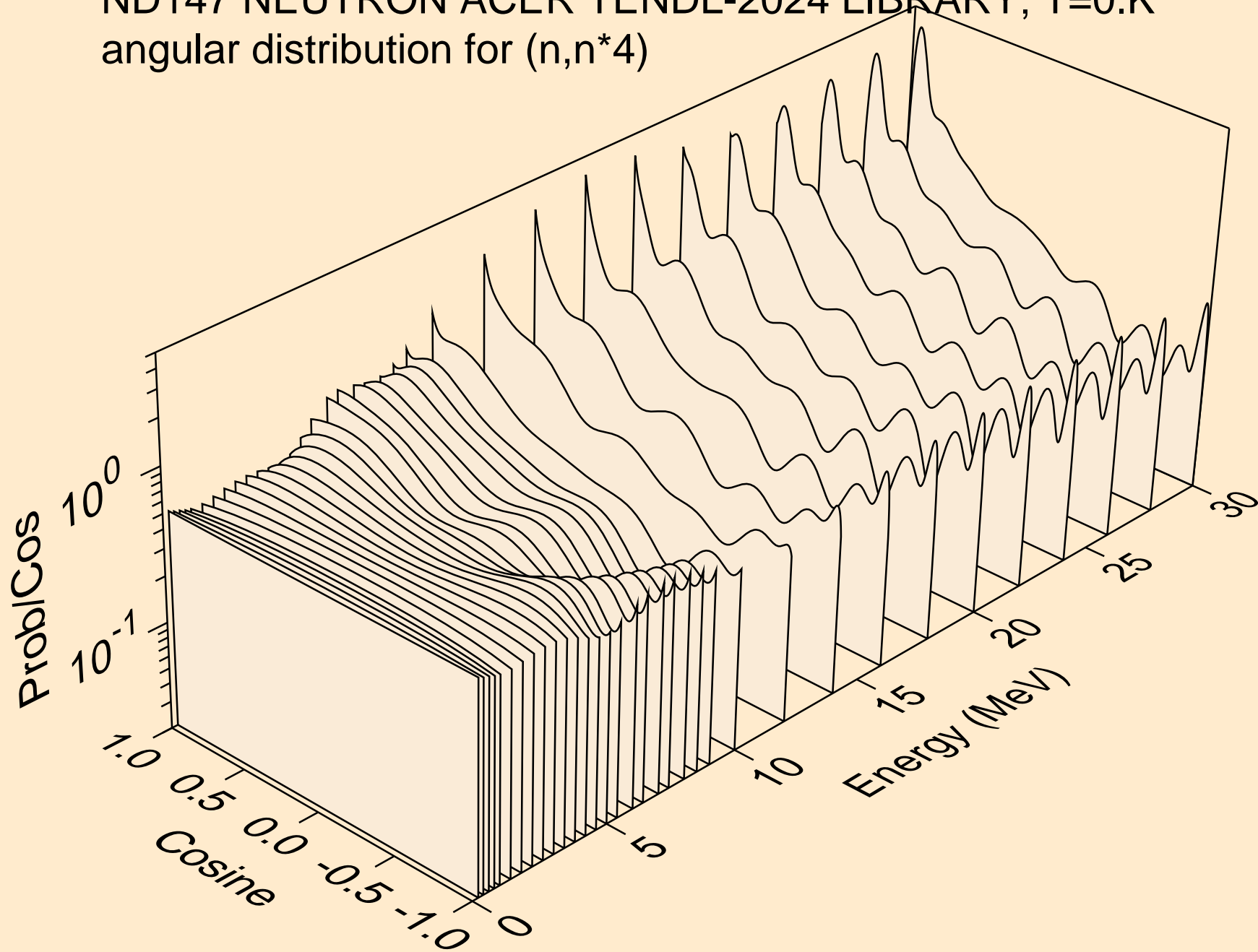
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



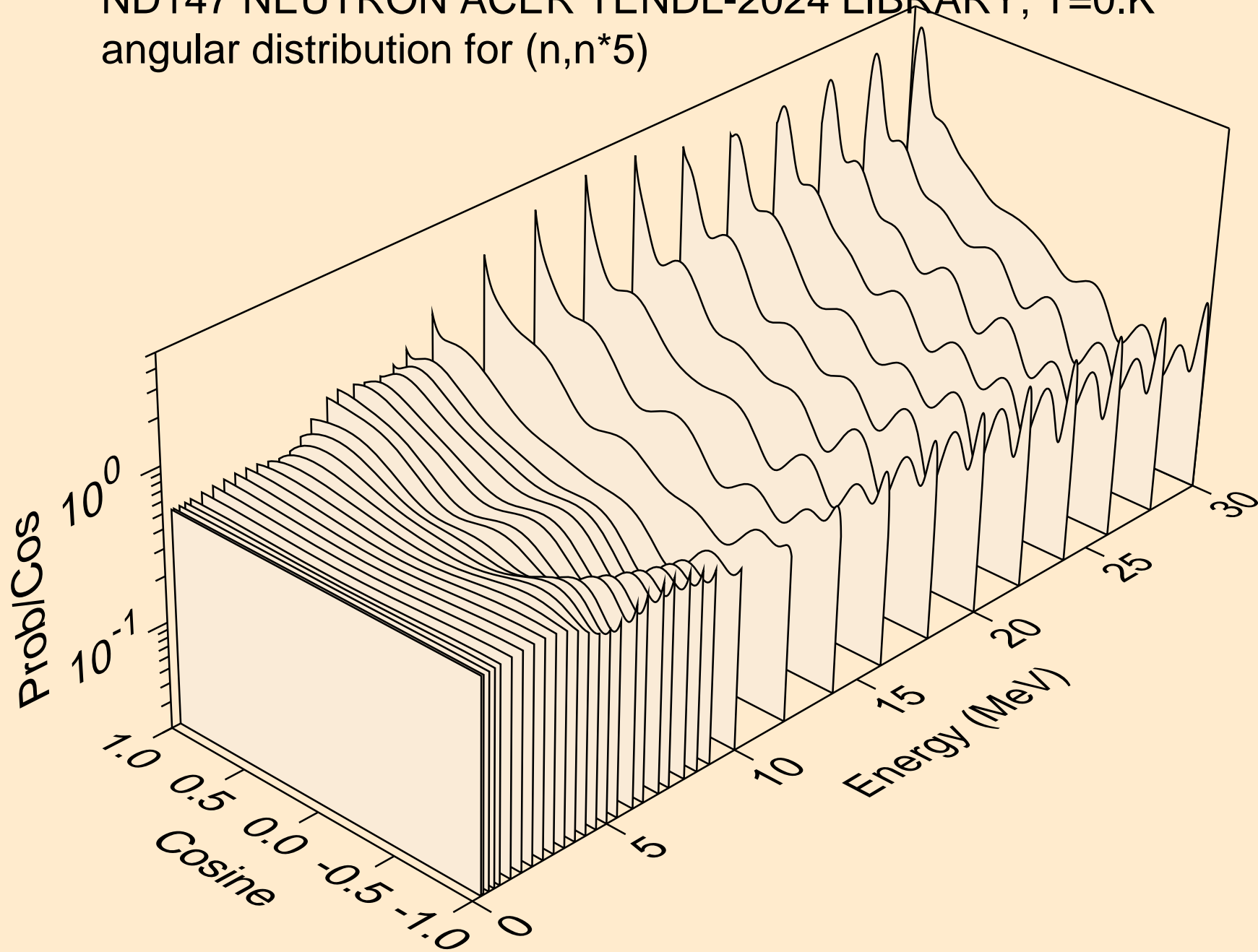
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



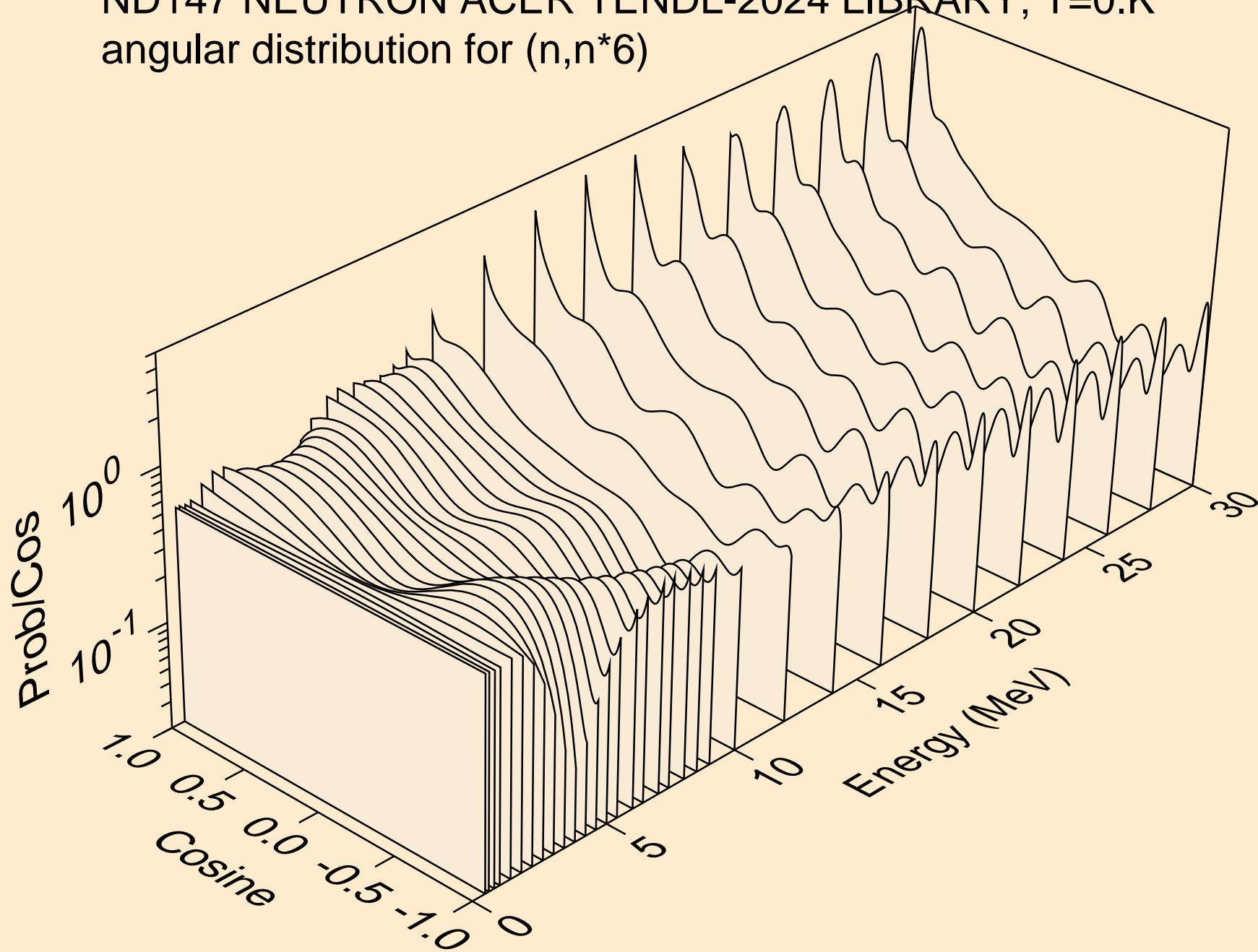
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



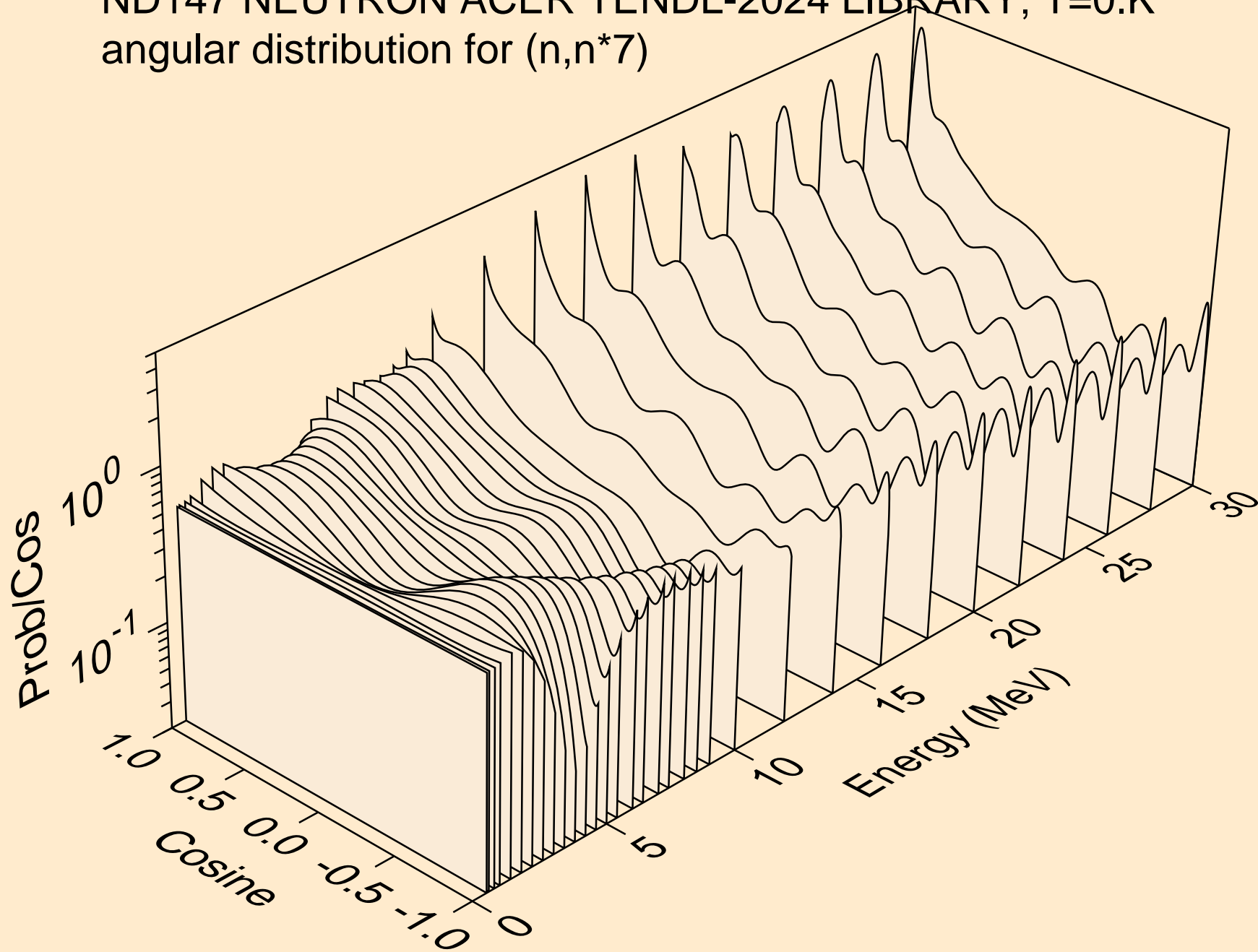
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)

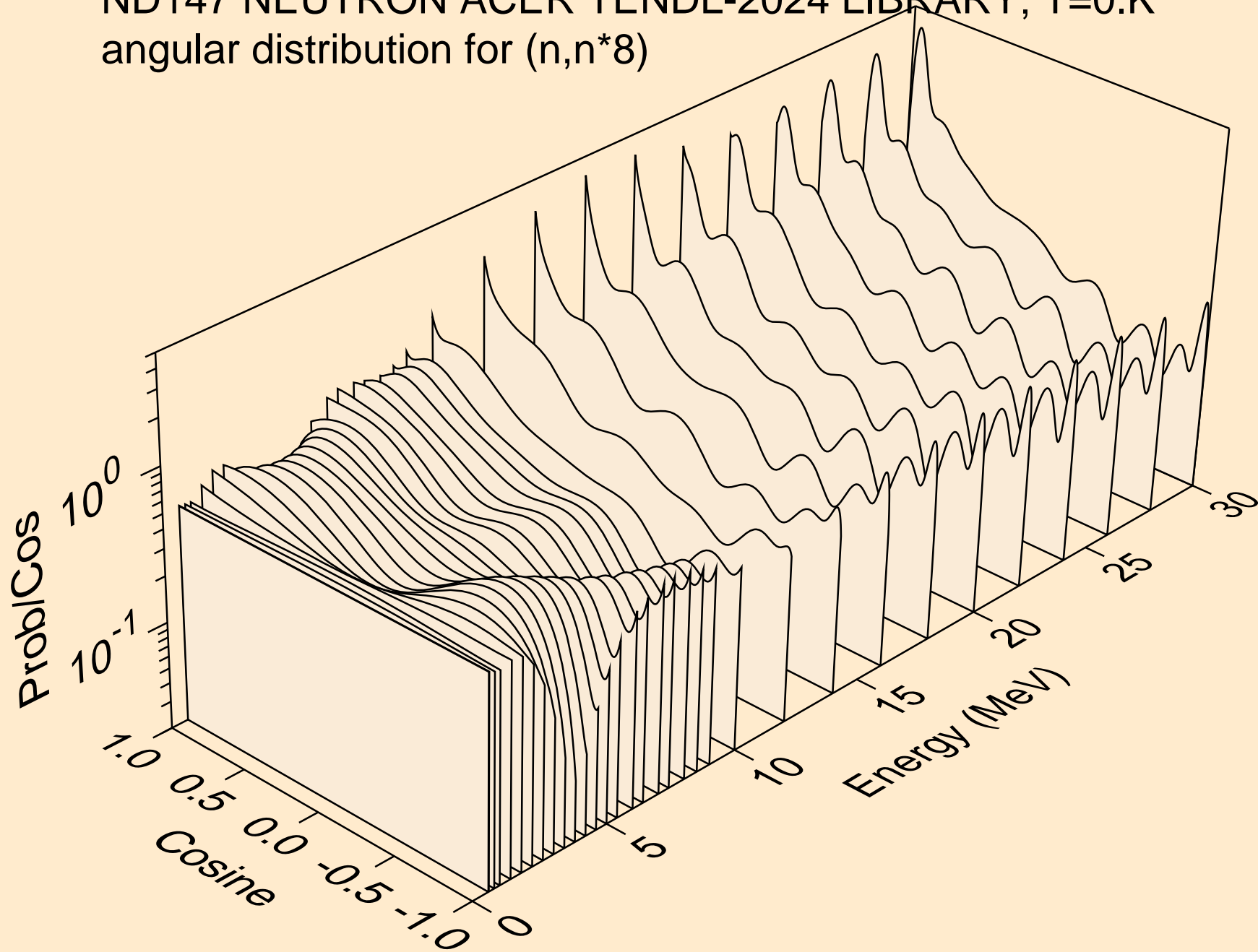


ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)

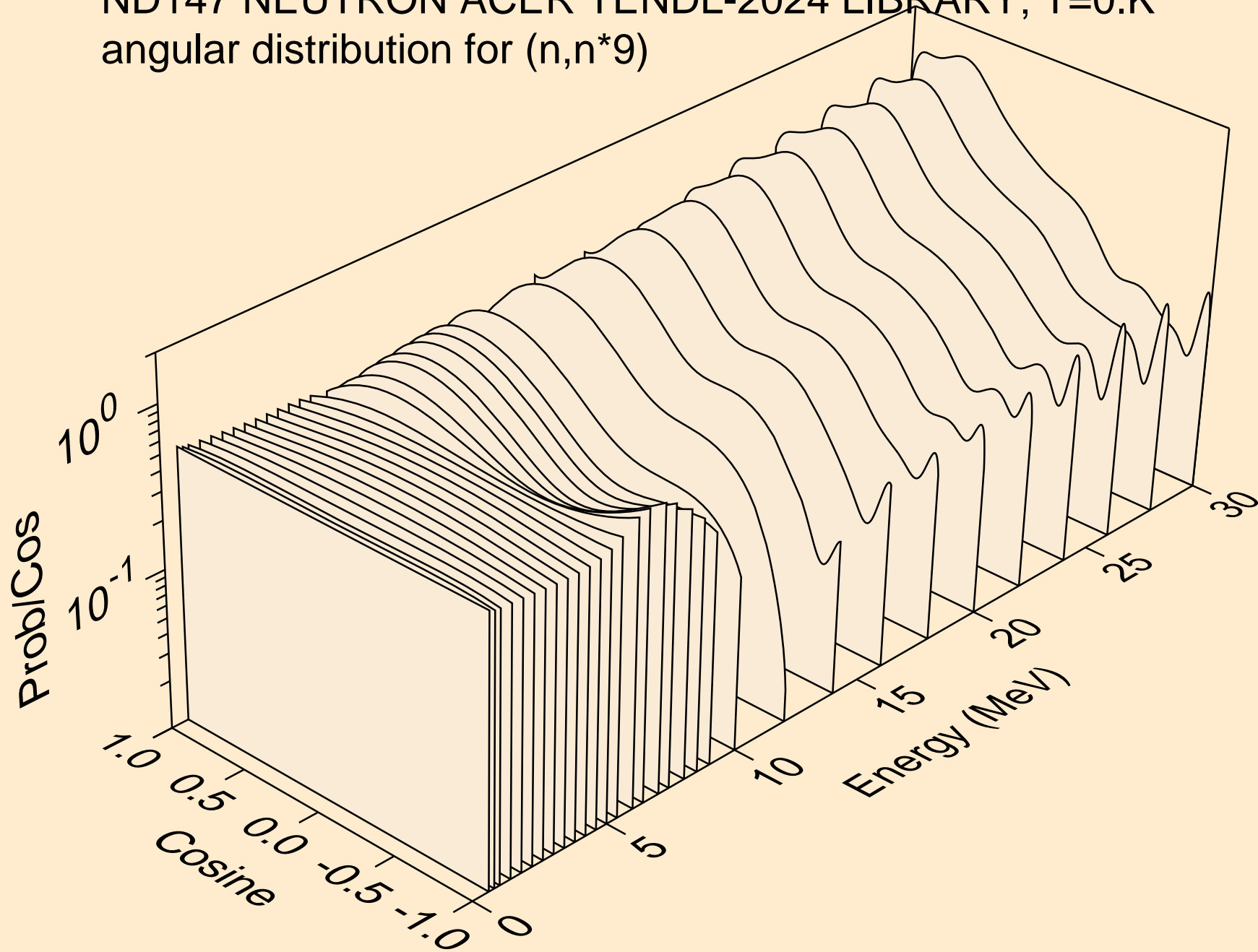




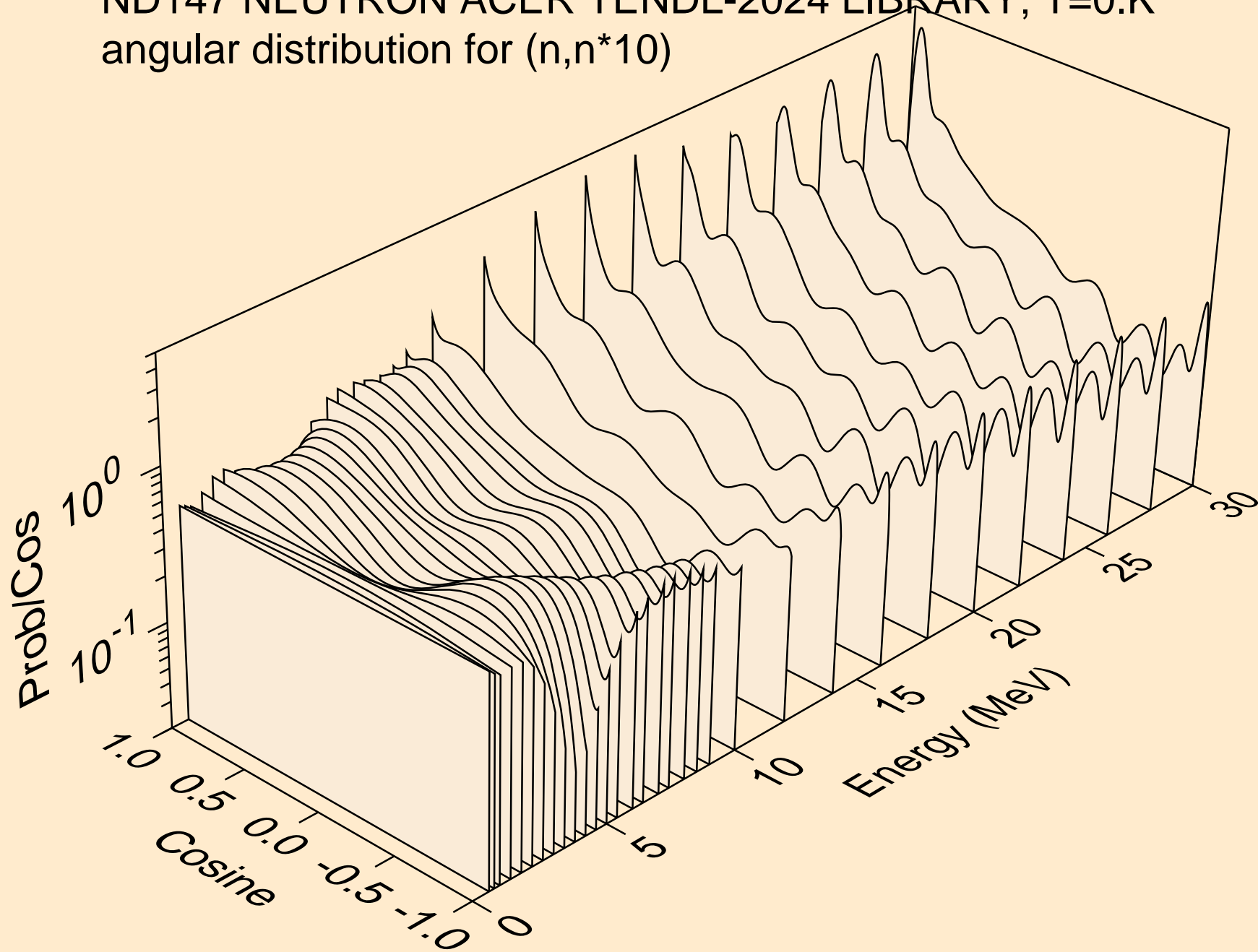
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



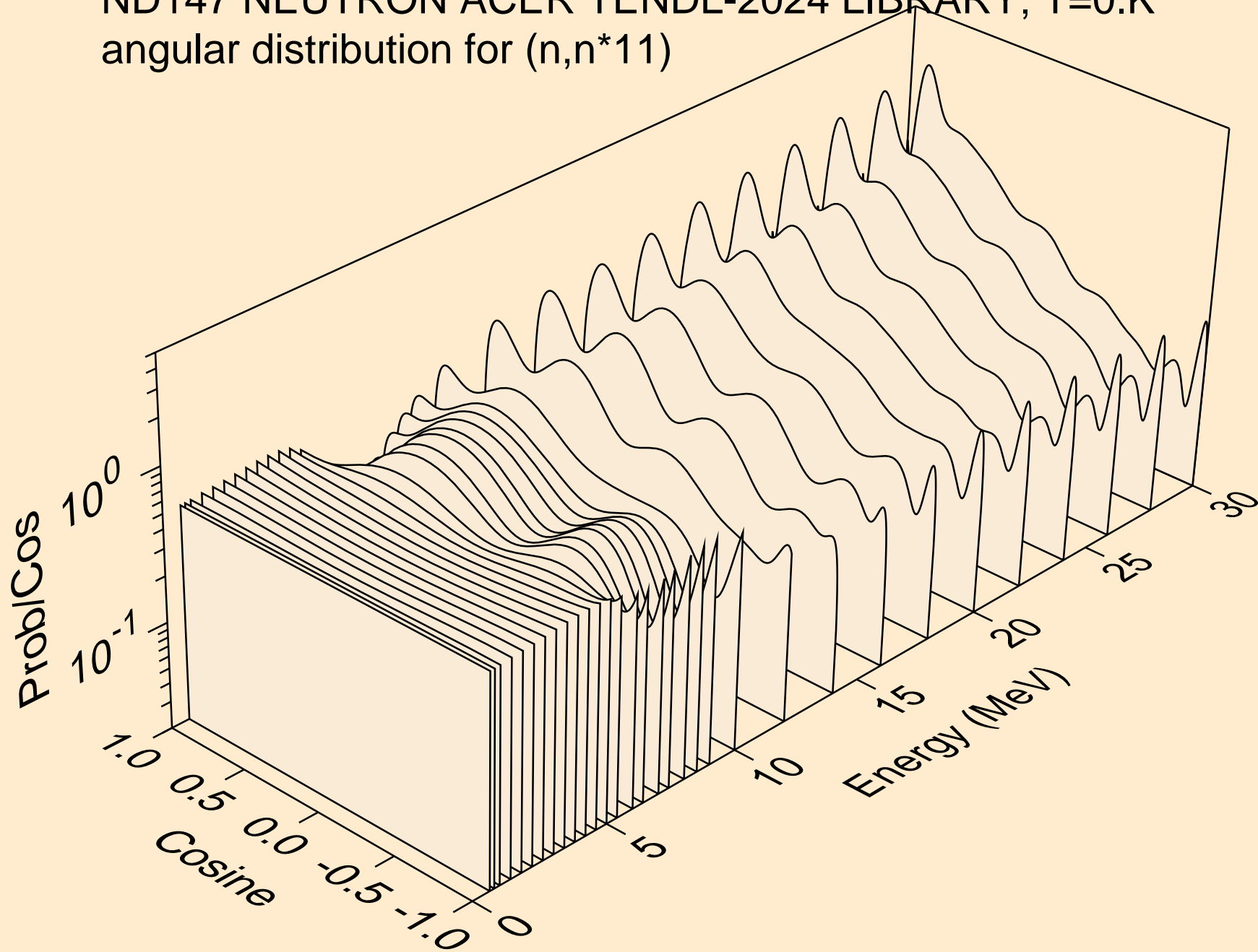
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



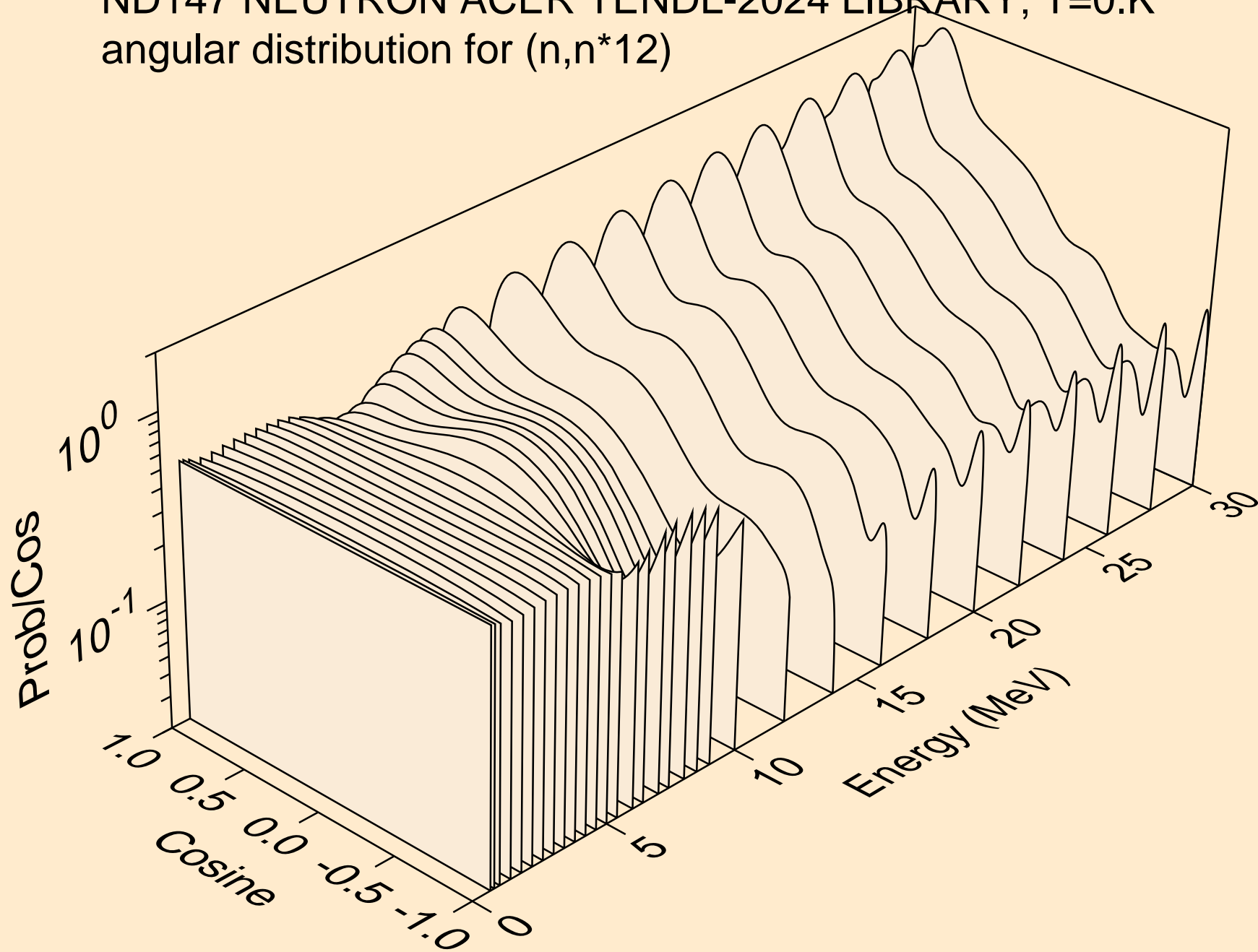
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



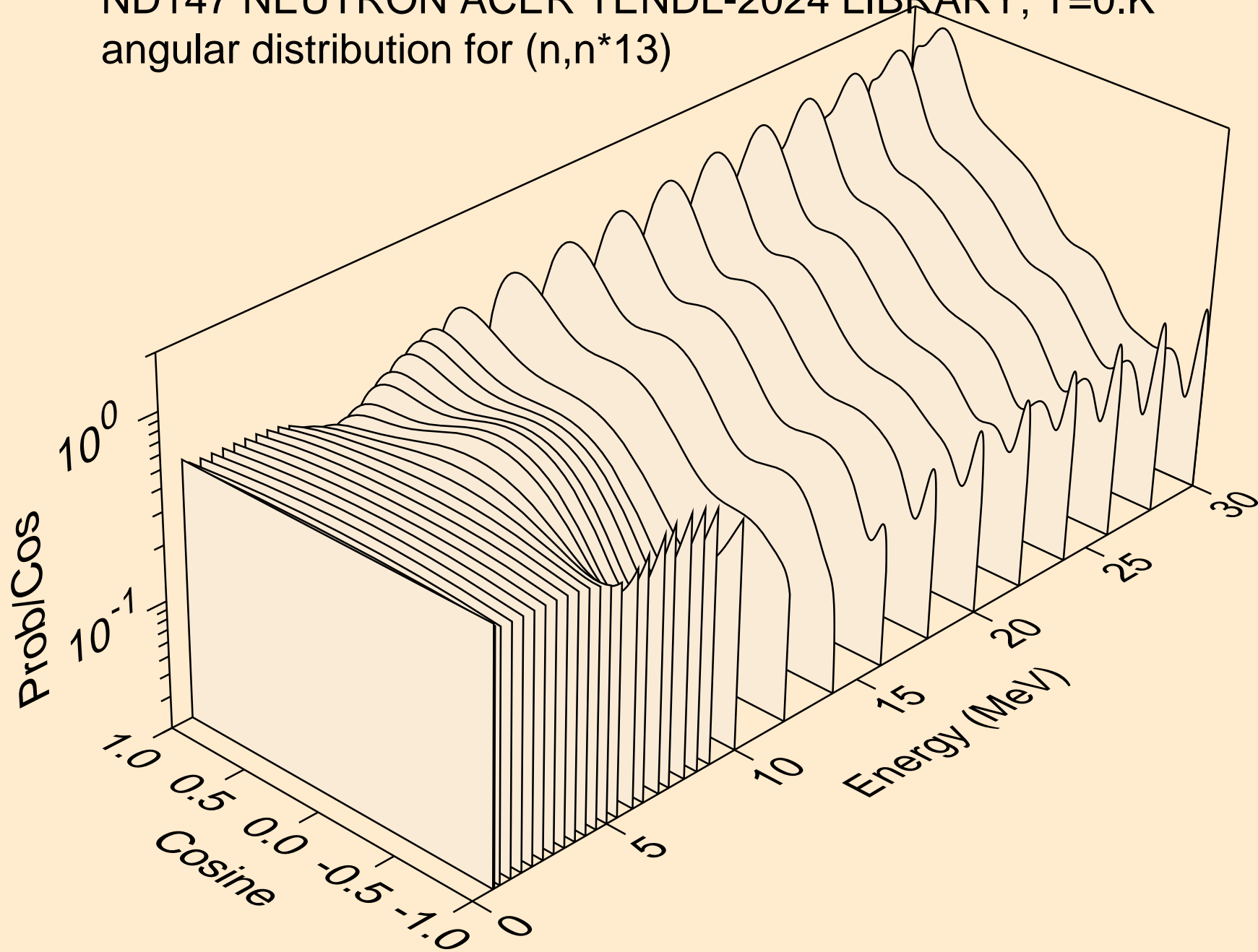
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



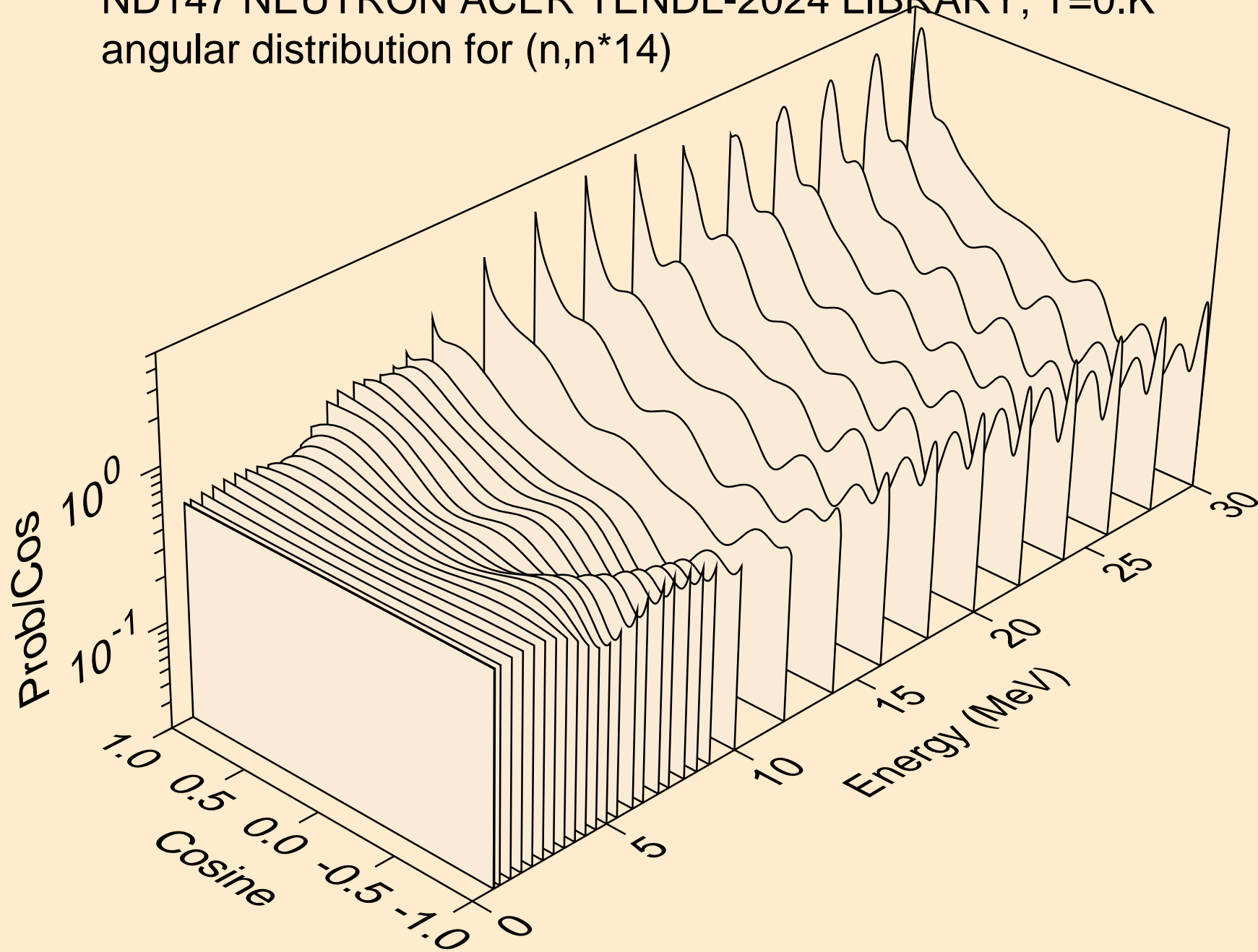
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



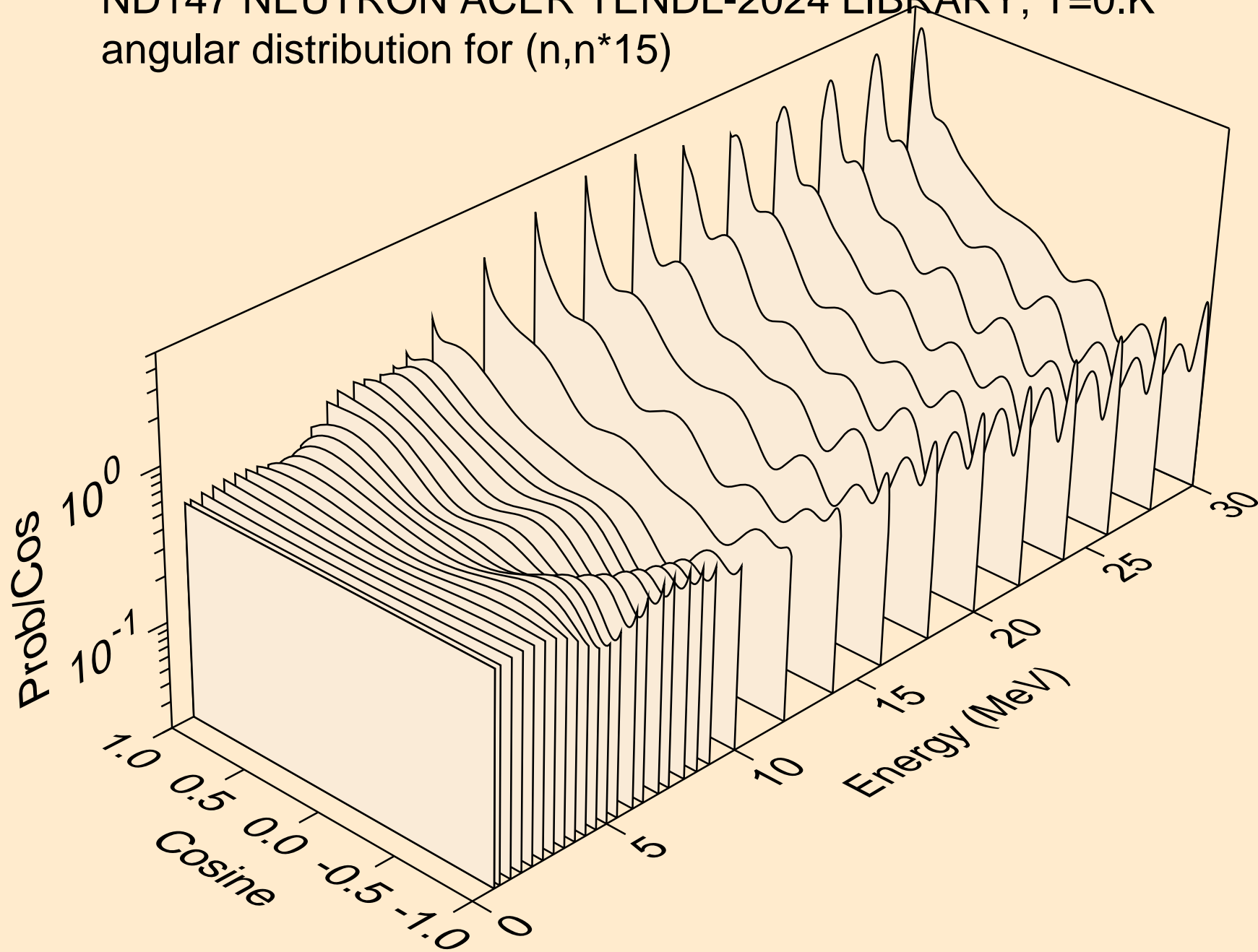
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*14)

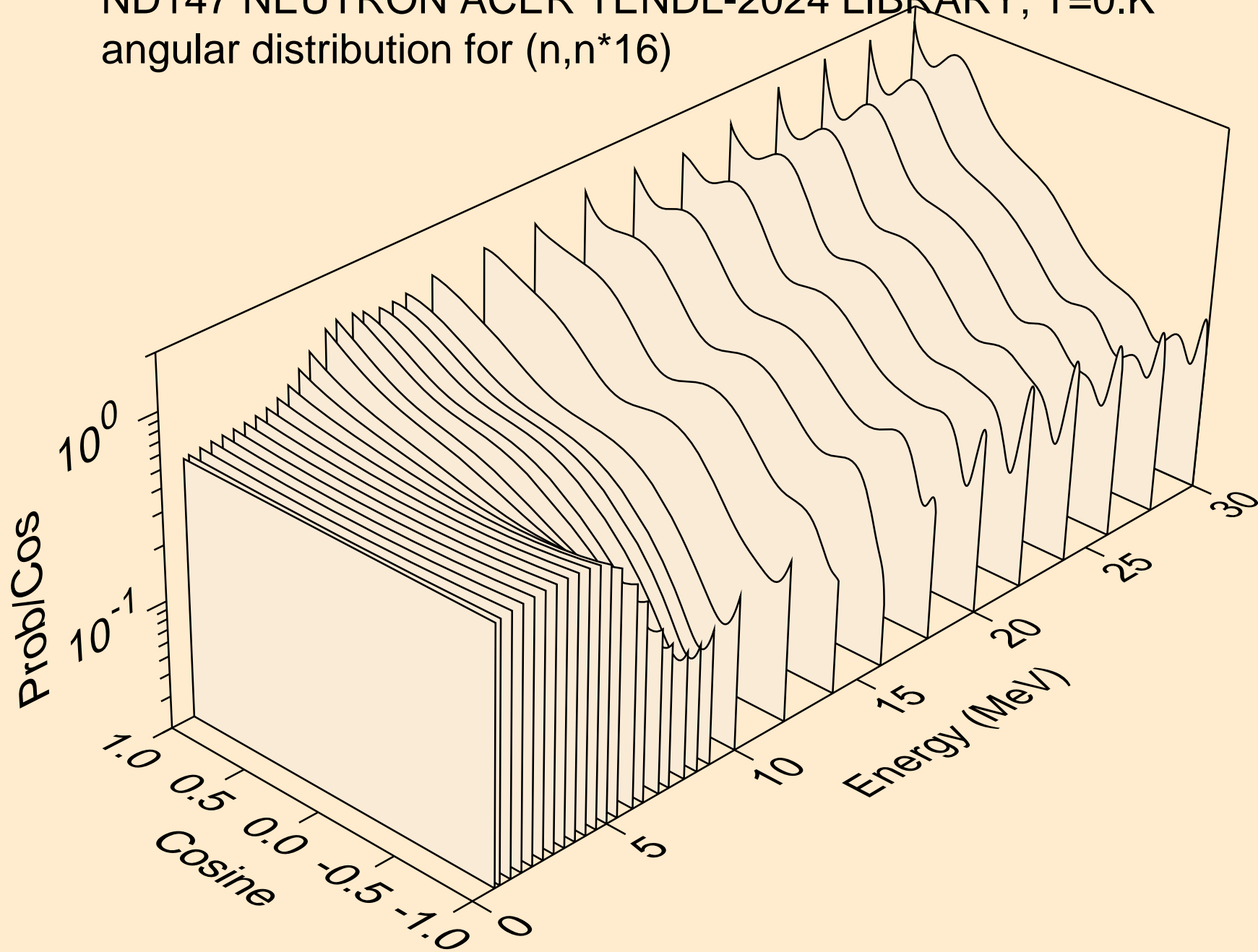


ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*15)

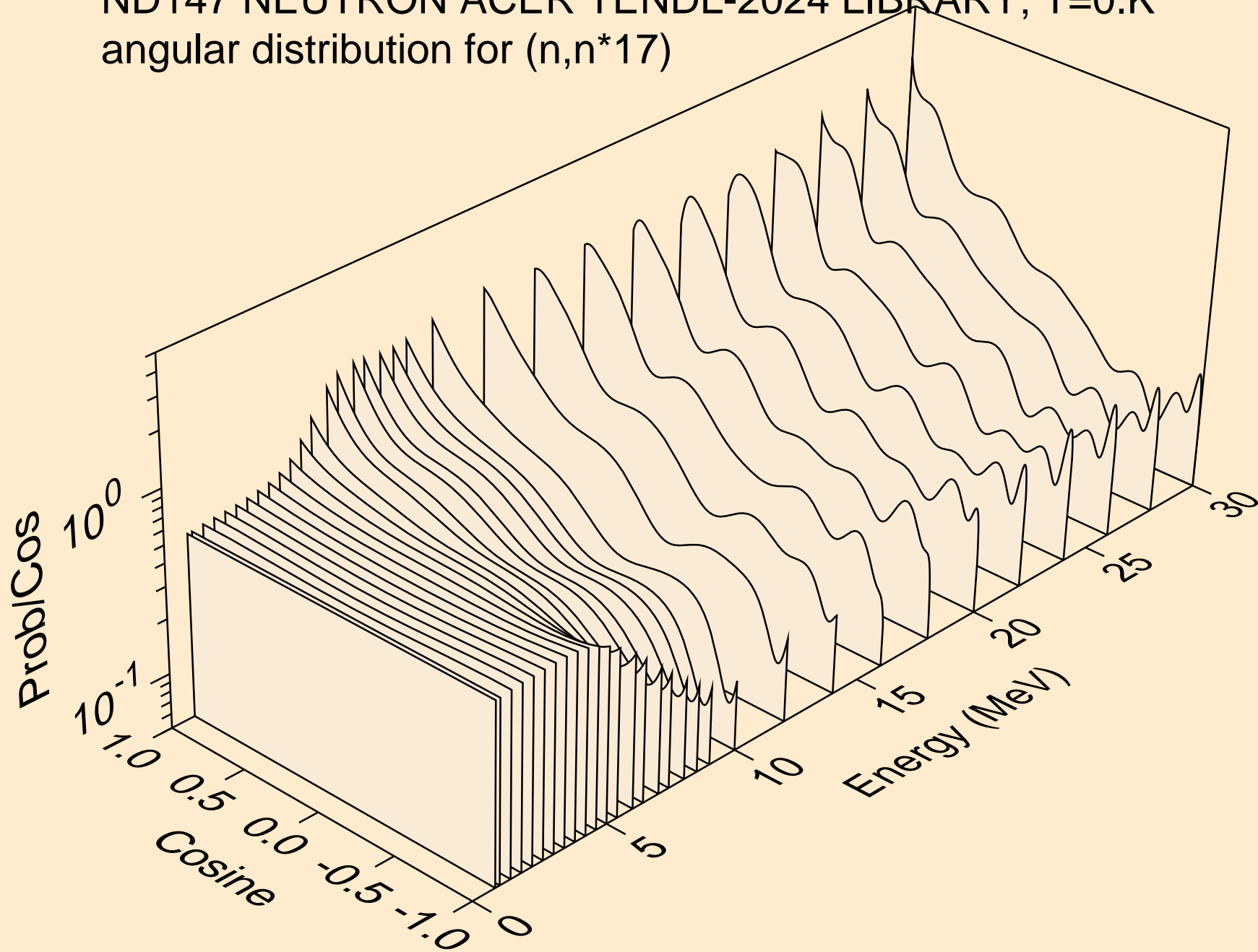




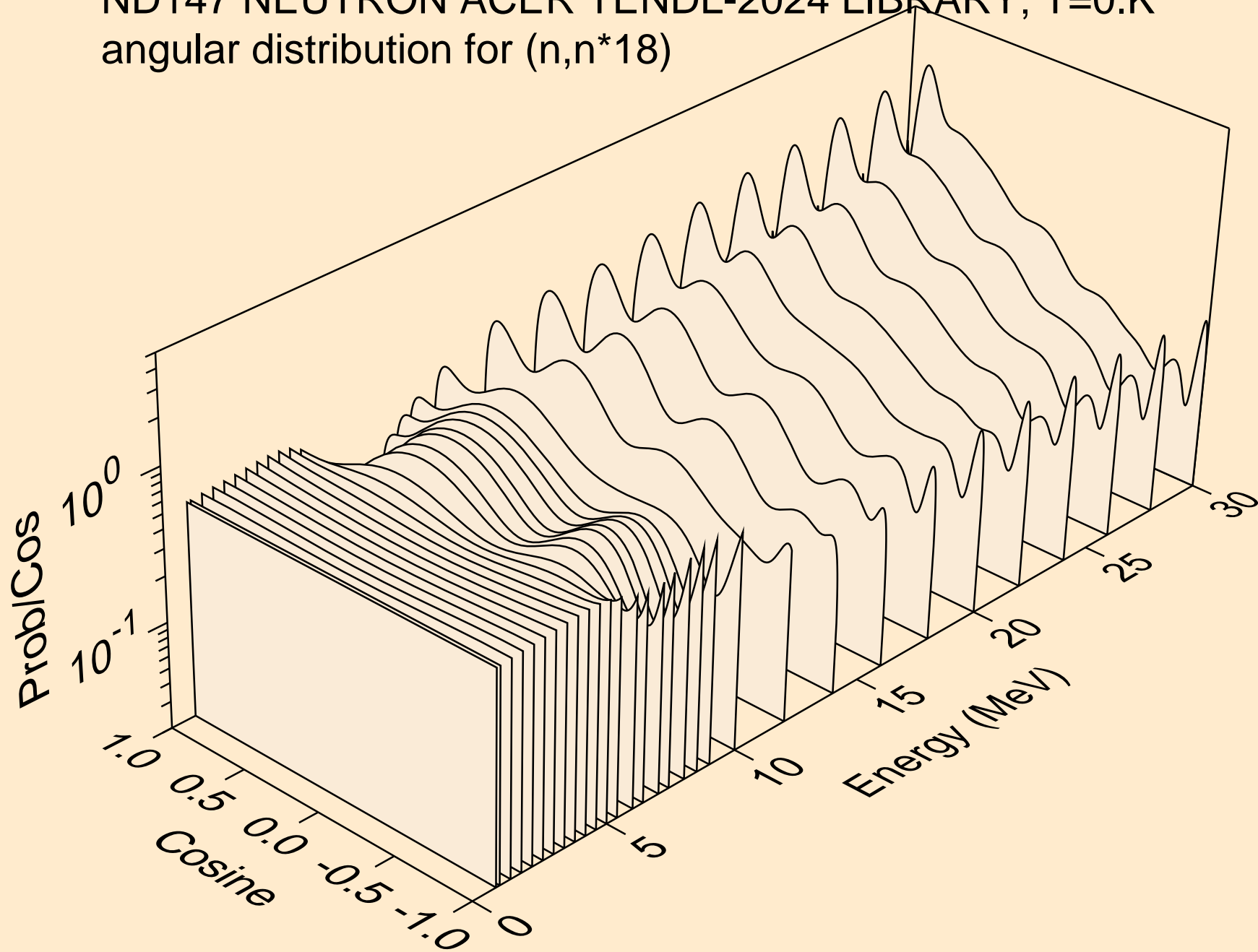
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



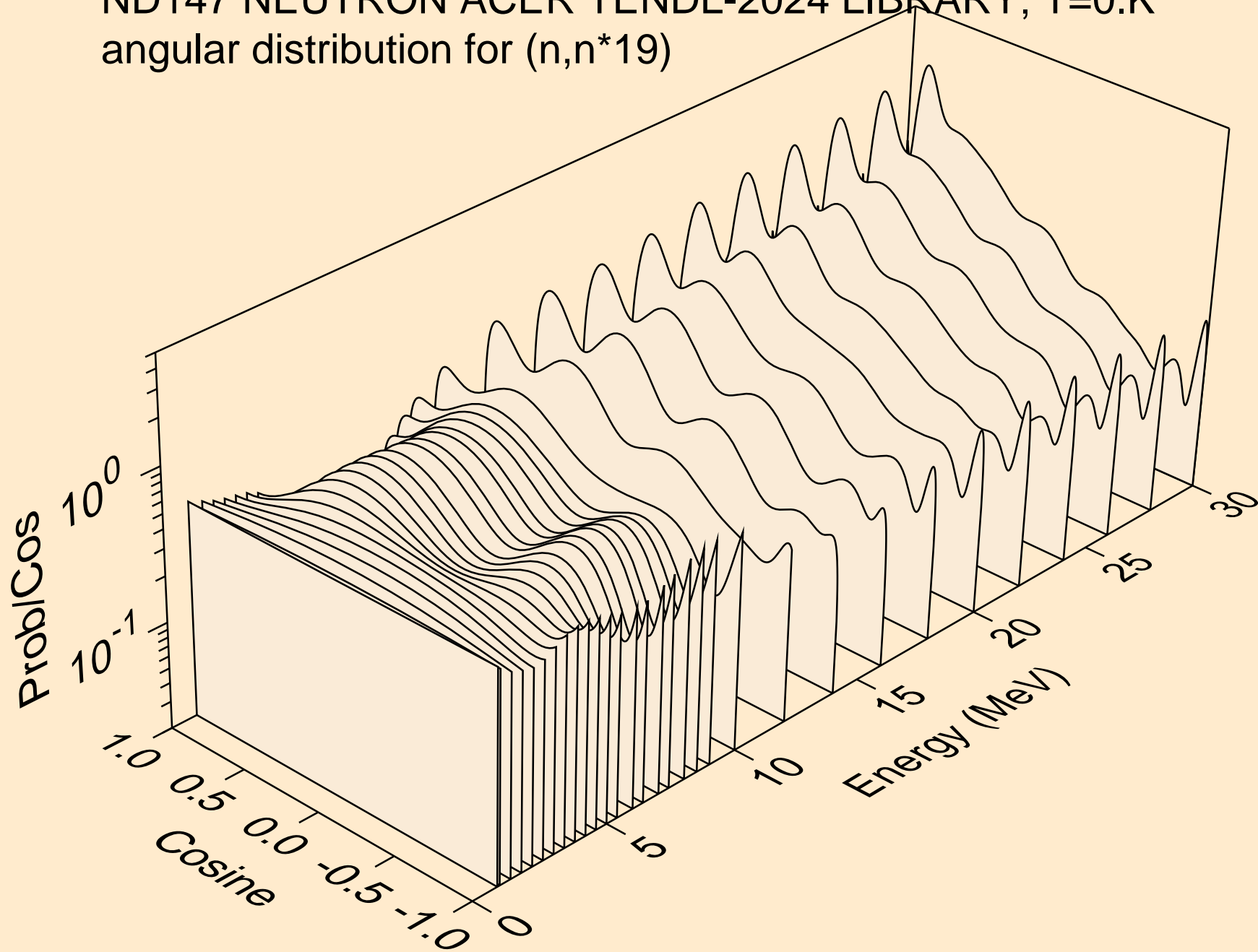
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*17)



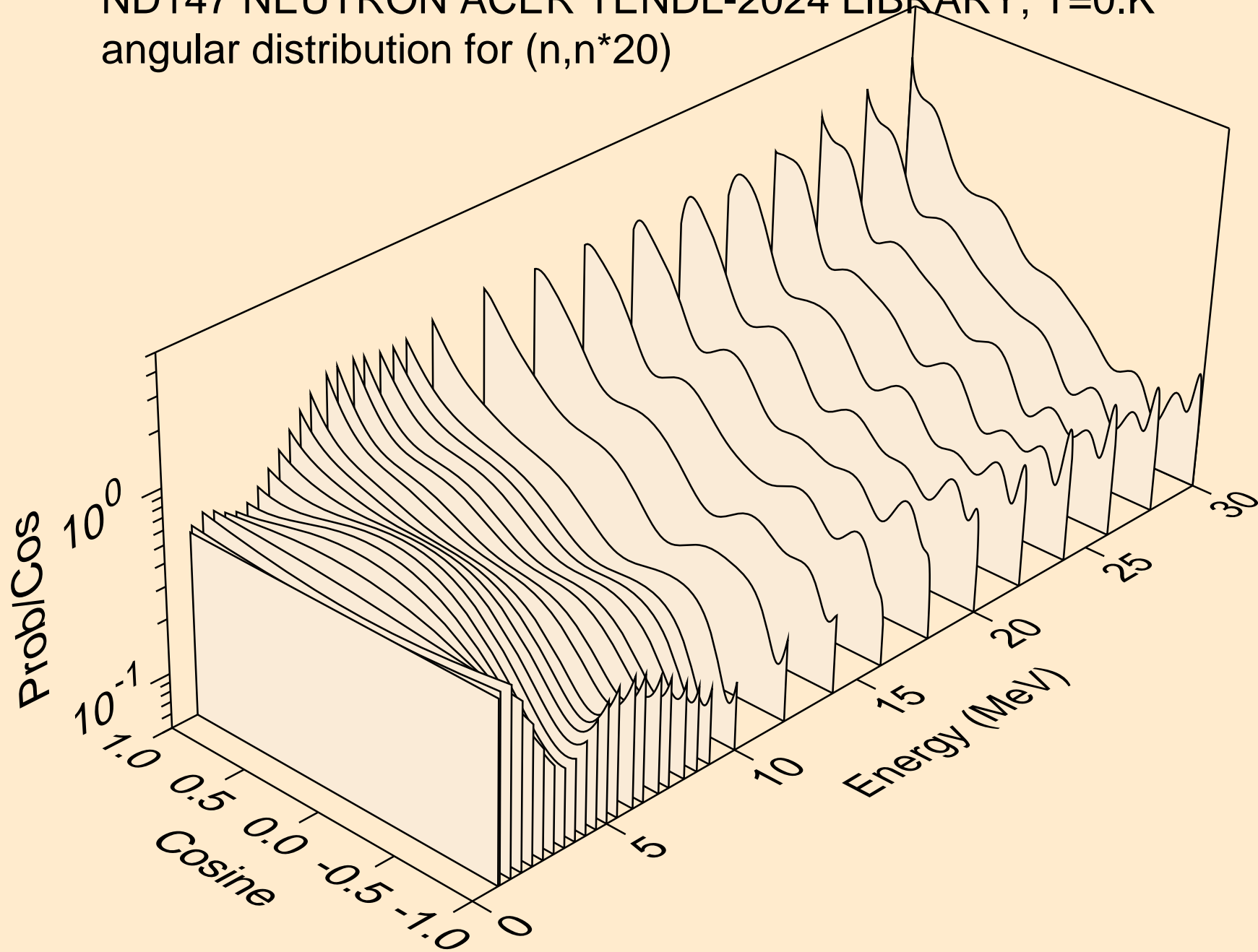
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



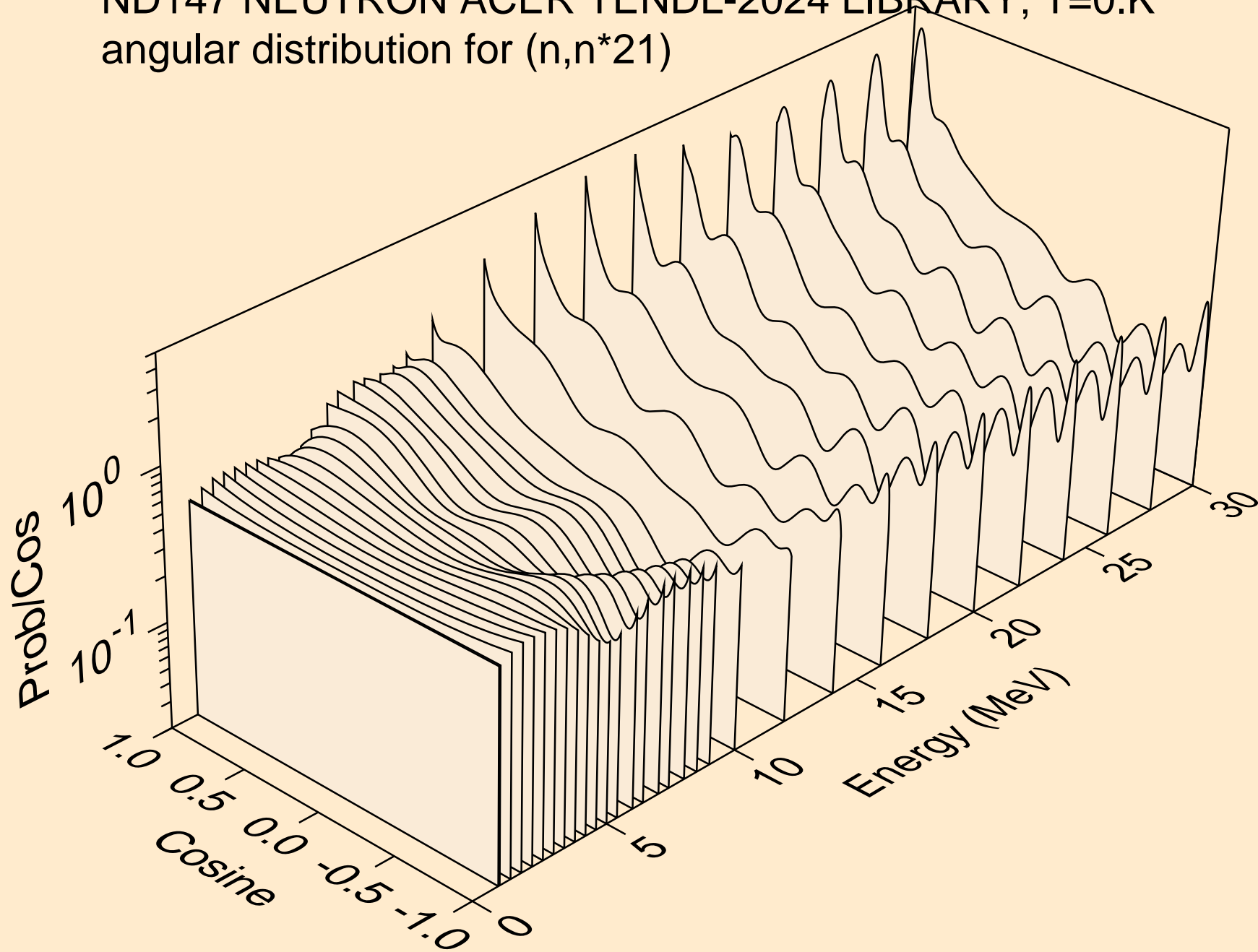
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



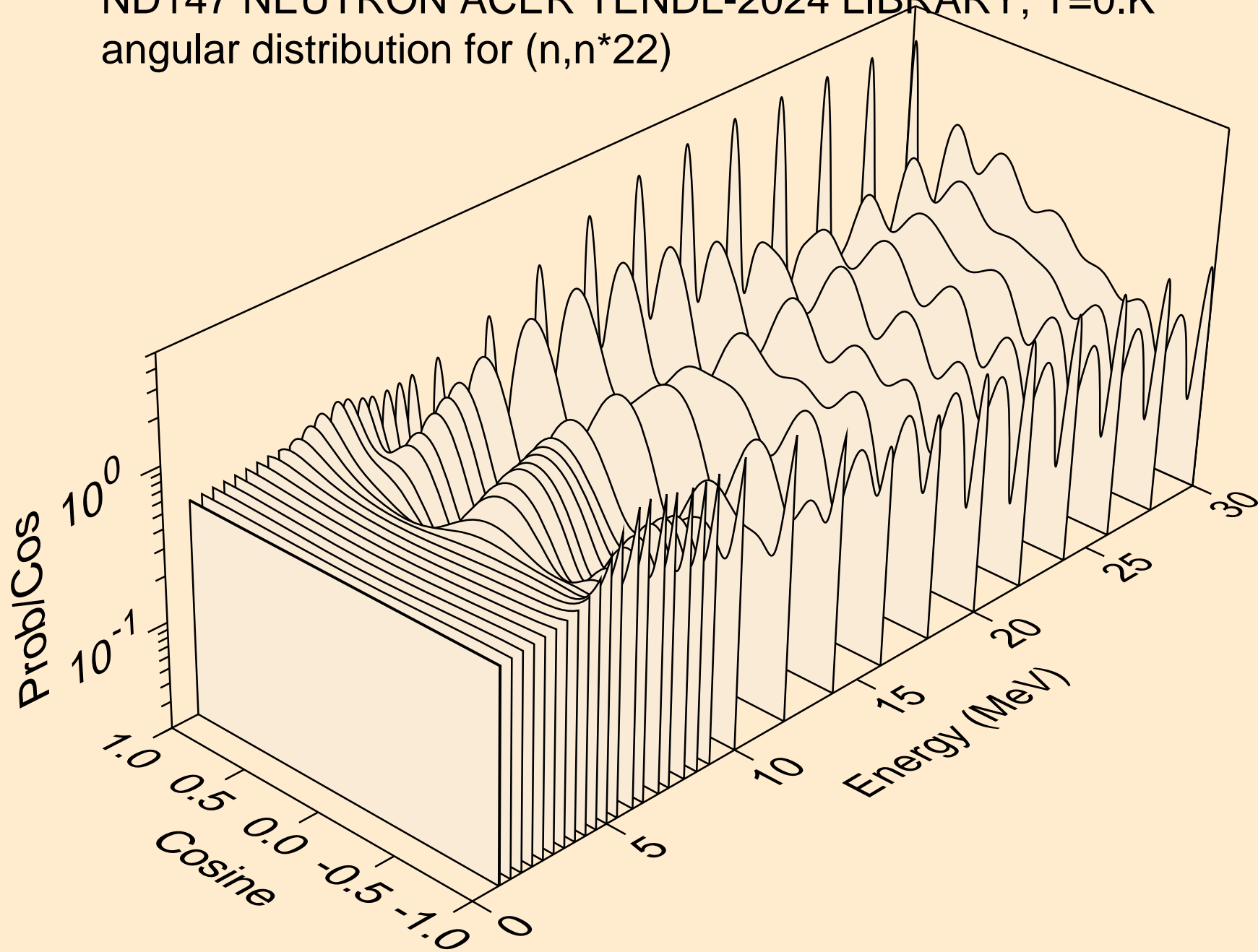
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*20)



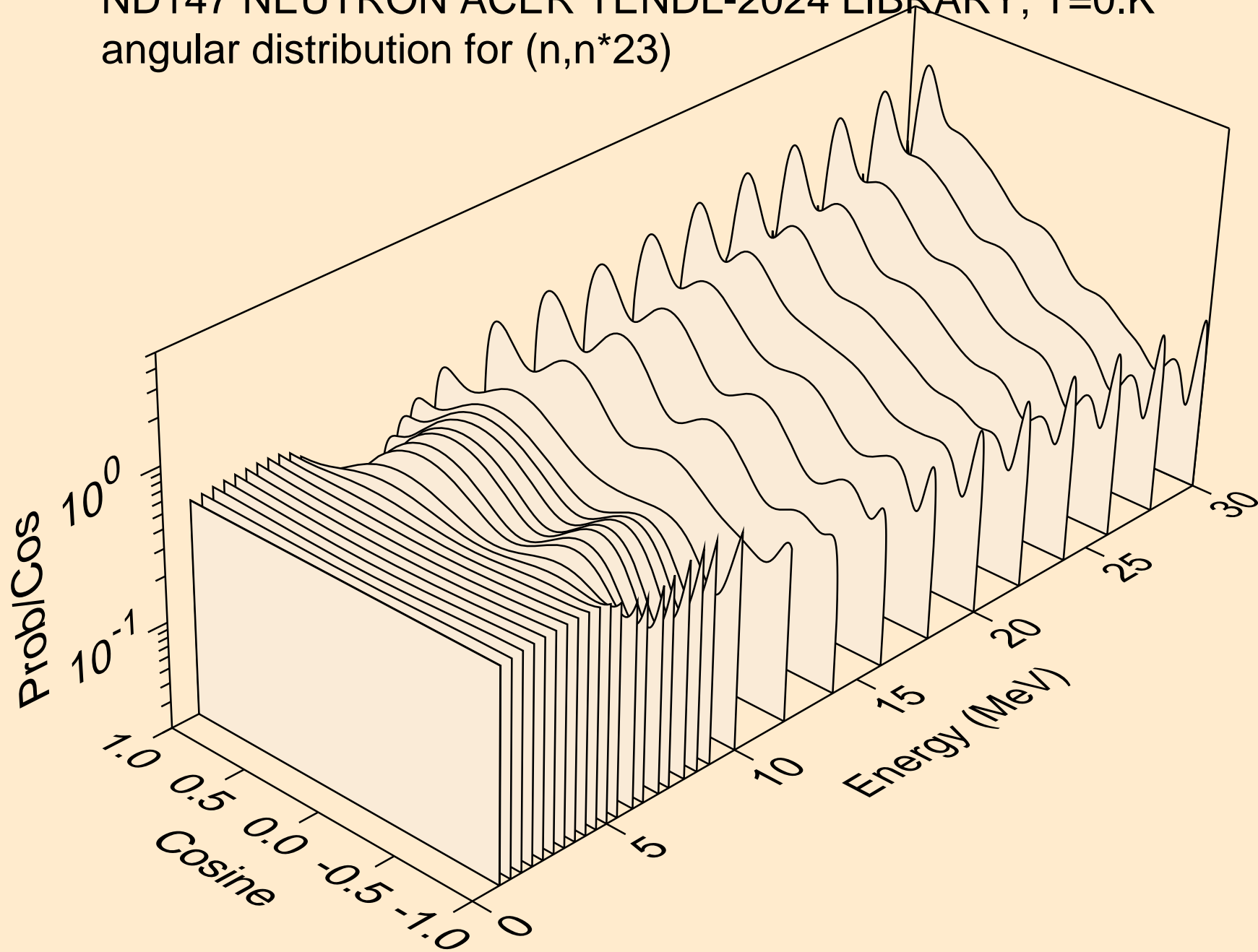
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*21)



ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*22)

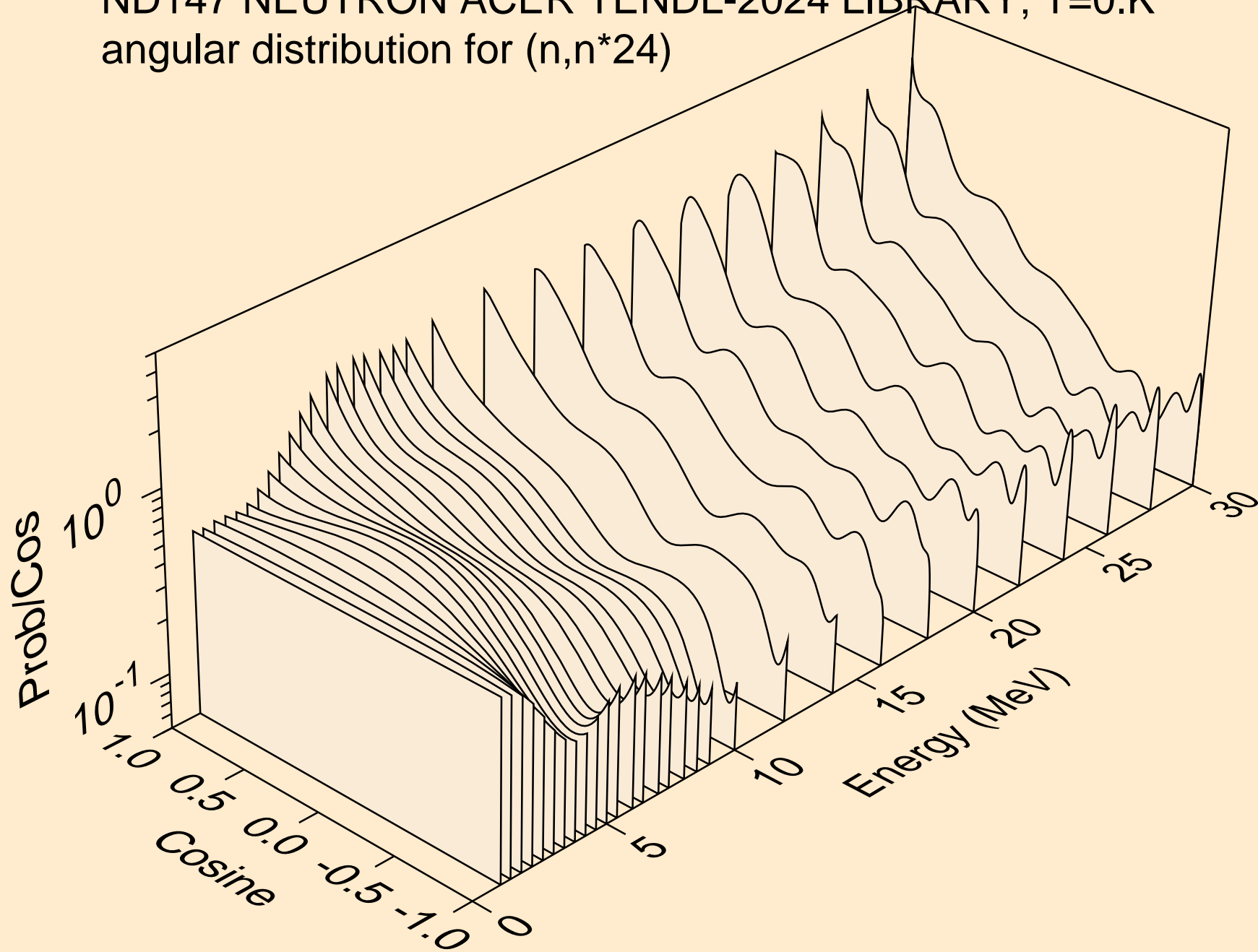


ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*23)

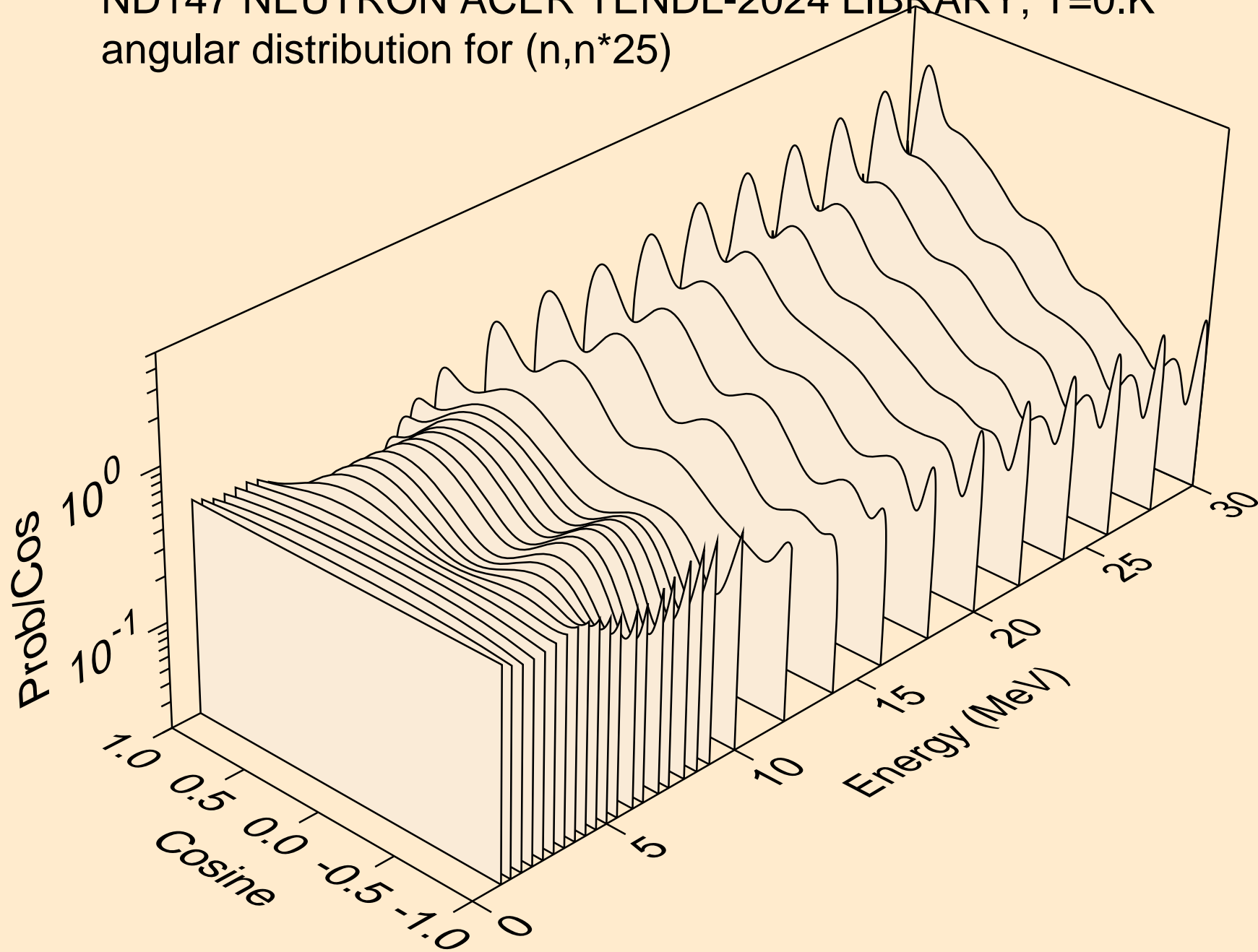




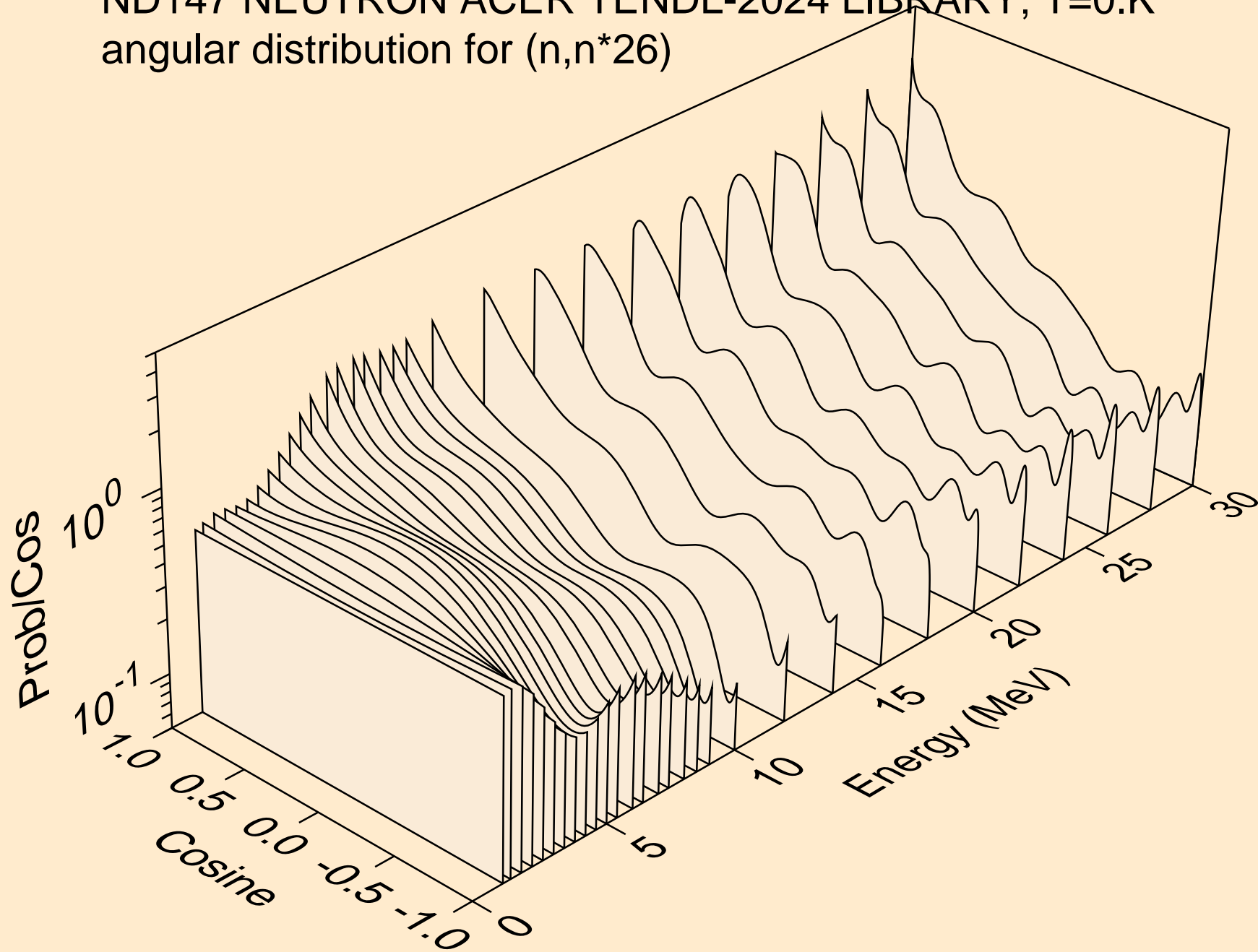
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*24)



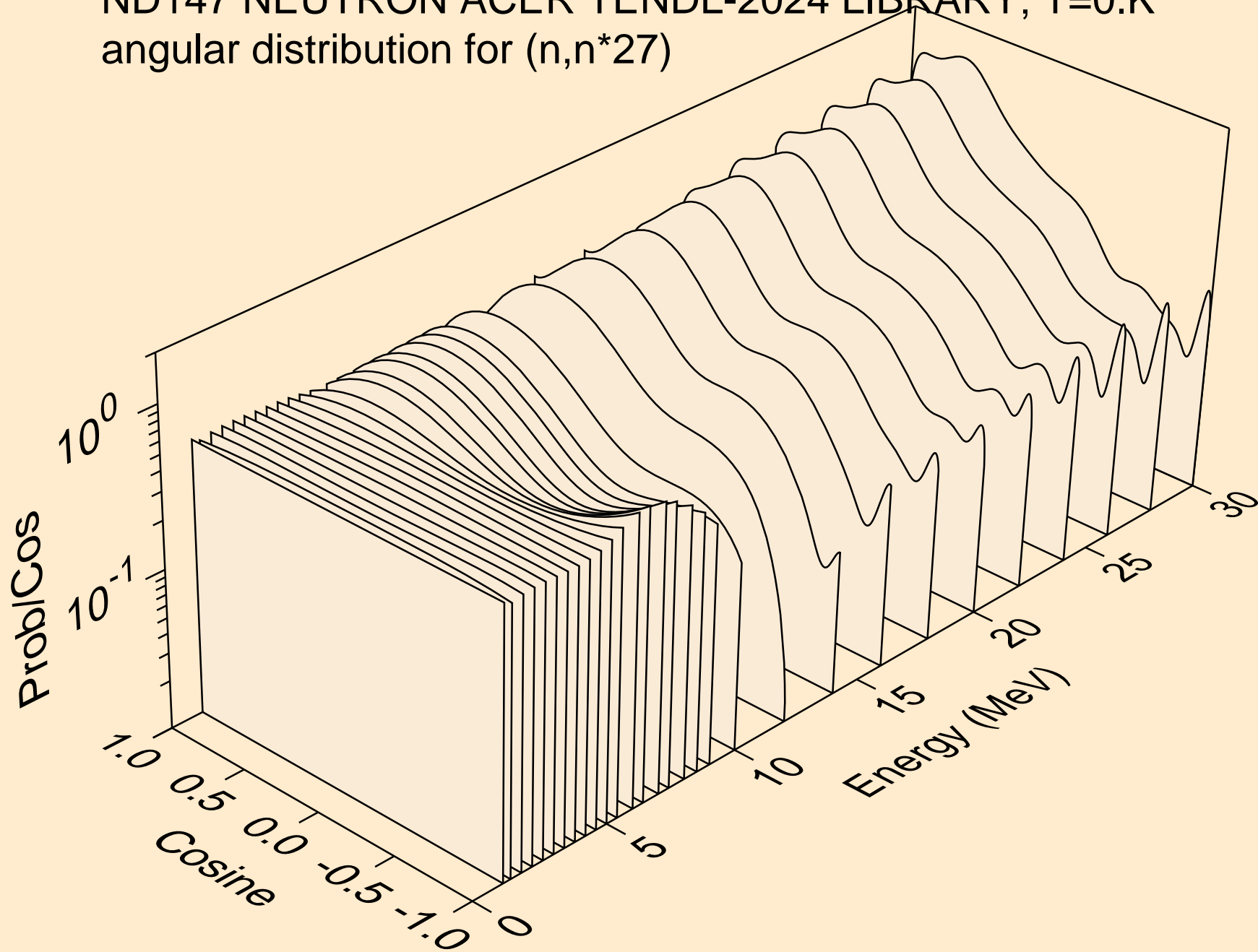
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*25)



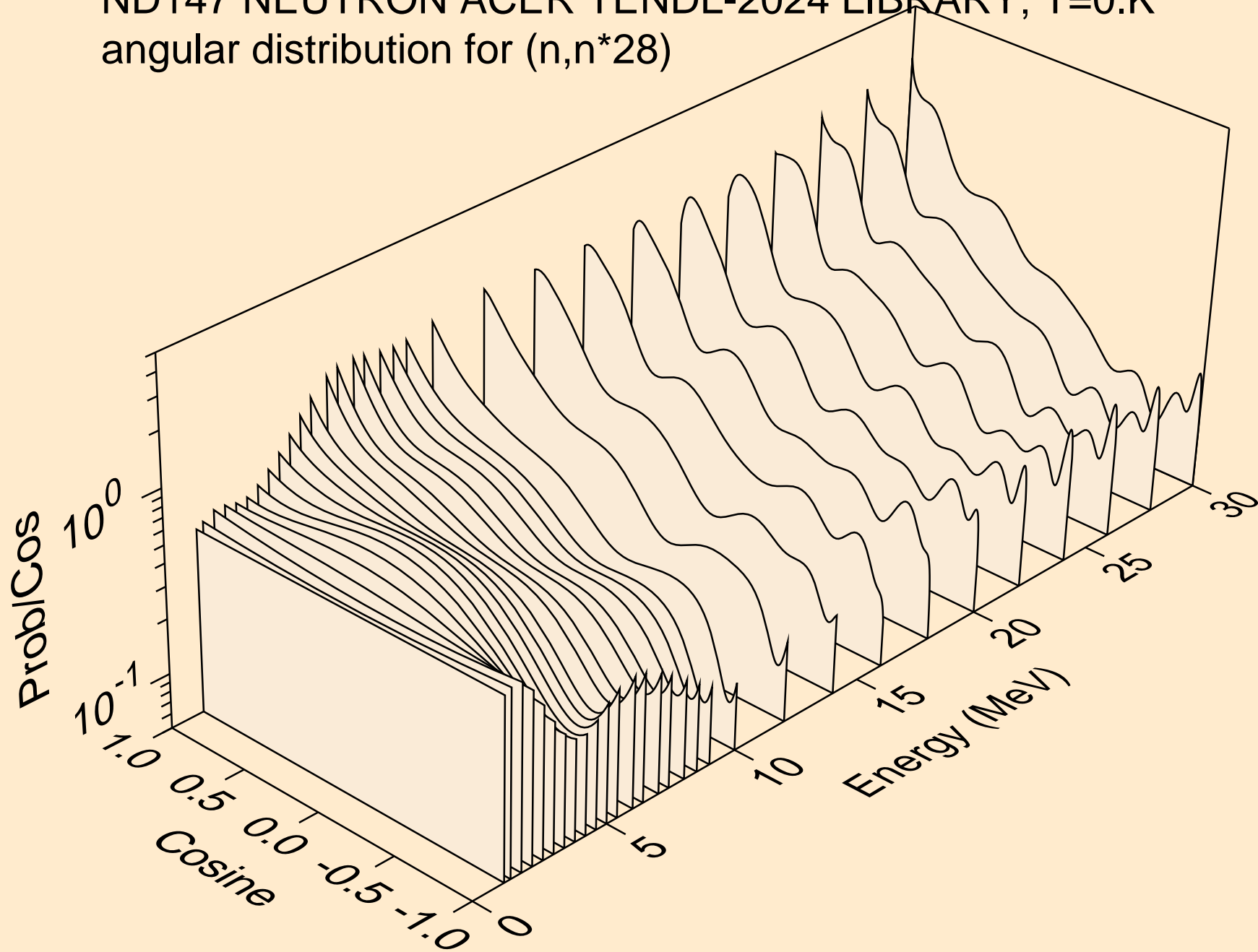
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



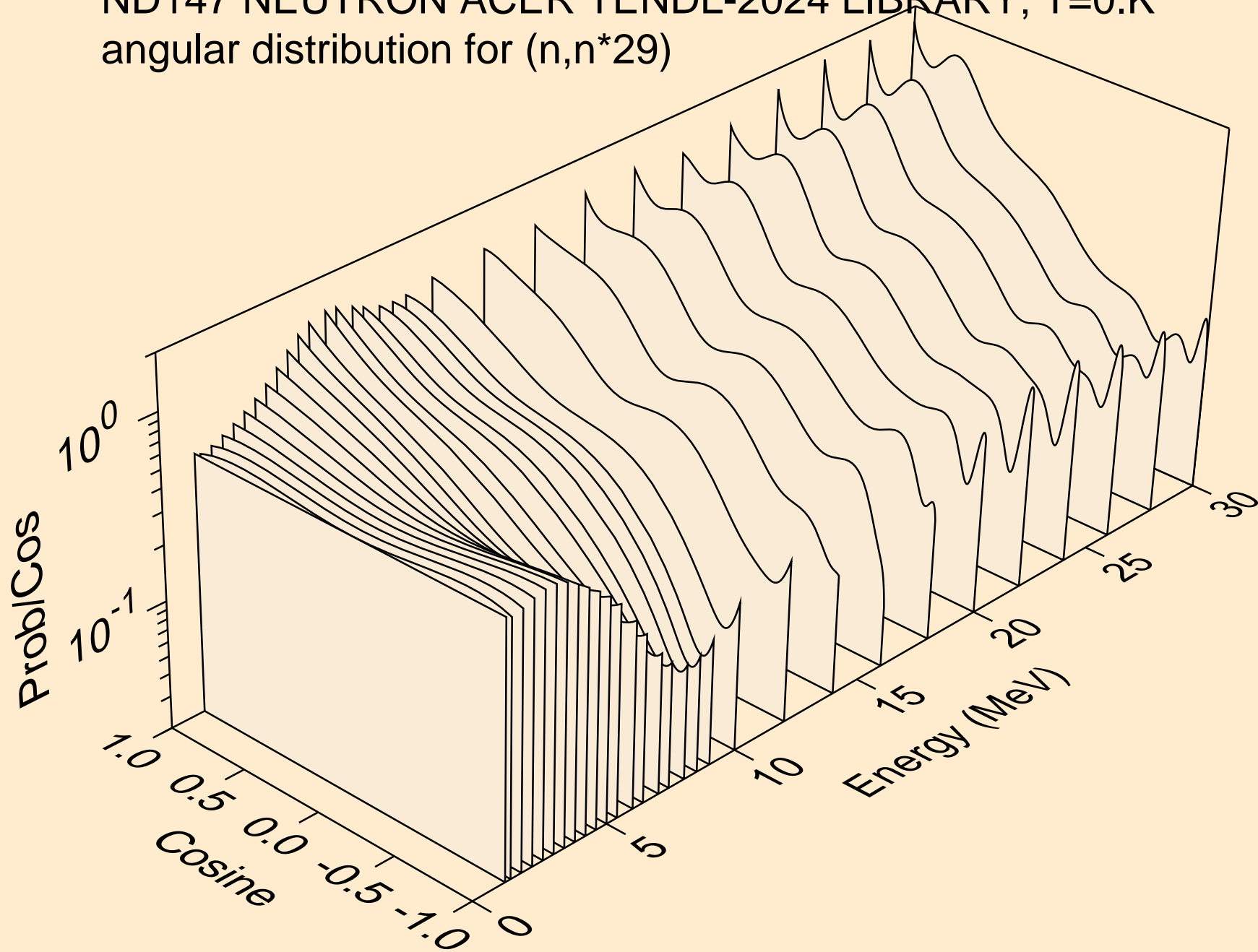
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



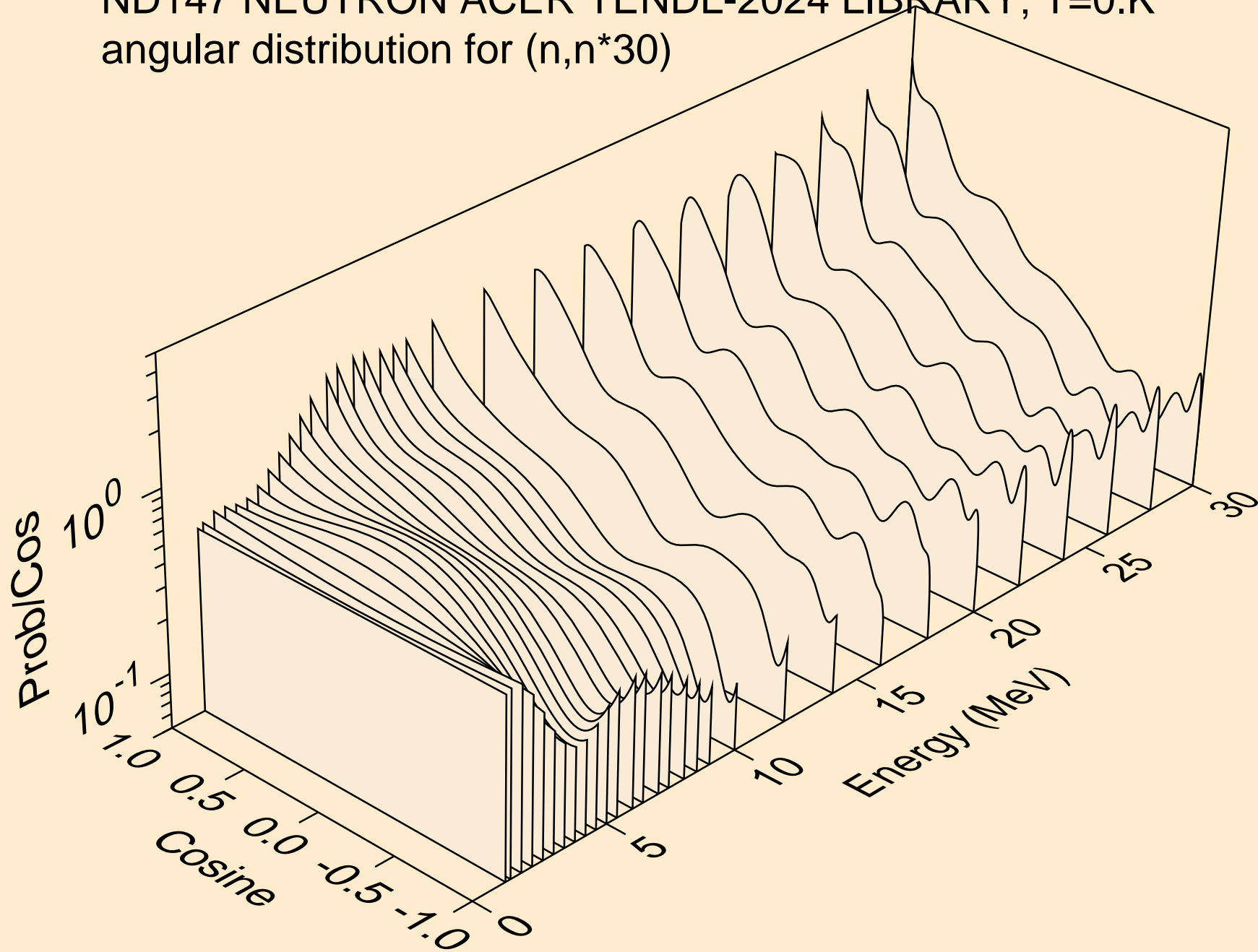
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*28)



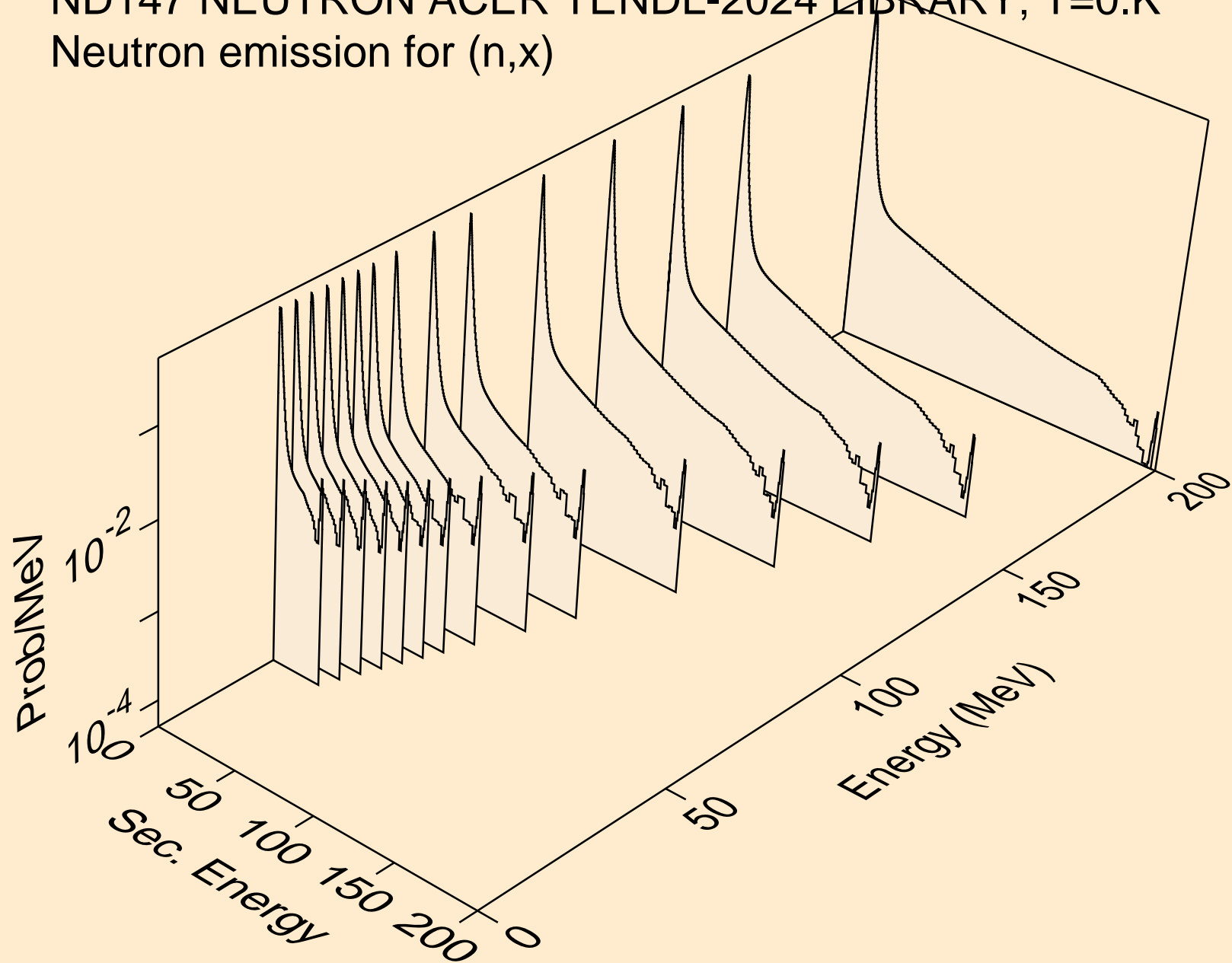
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*29)



ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*30)

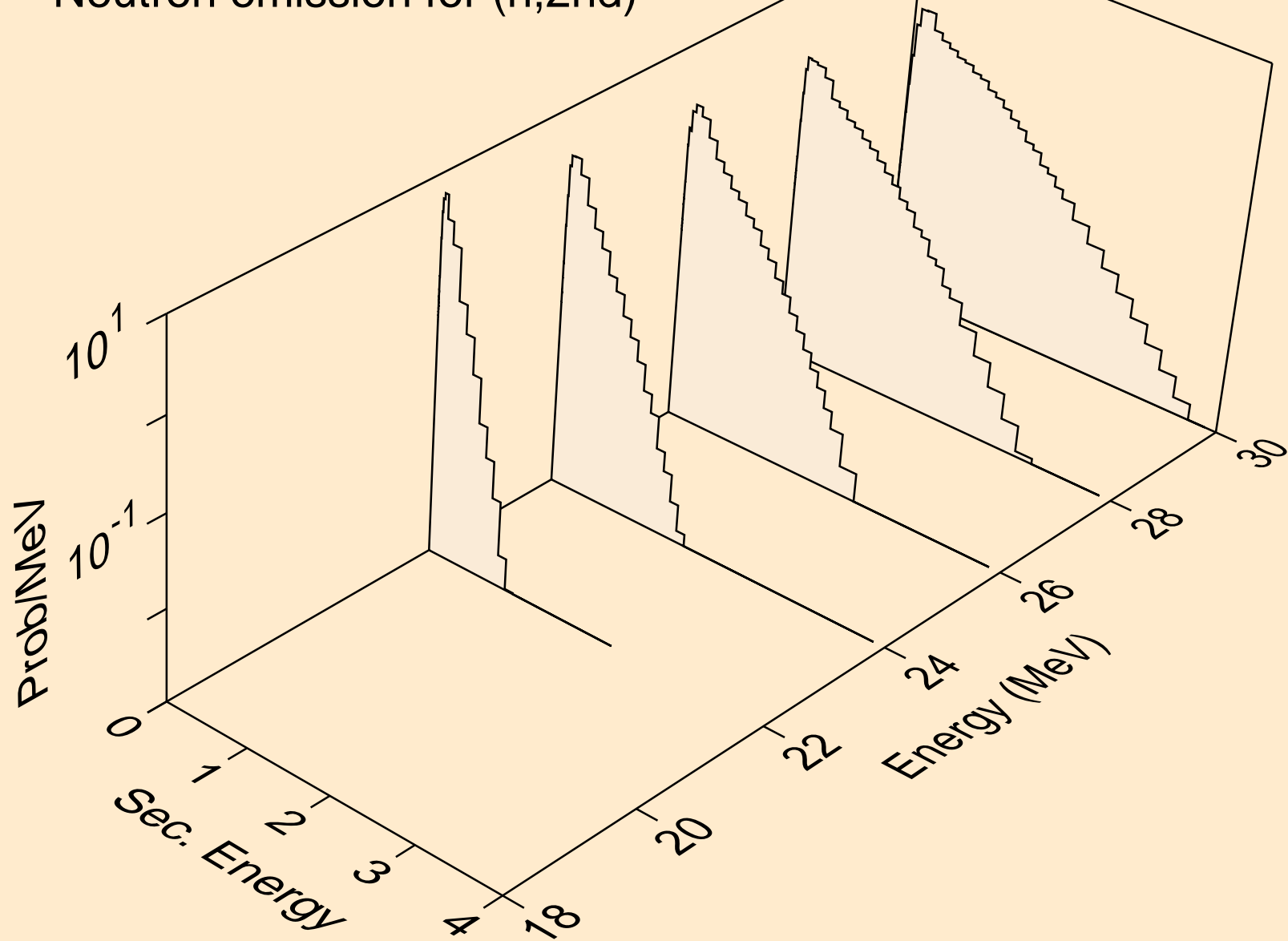


ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)

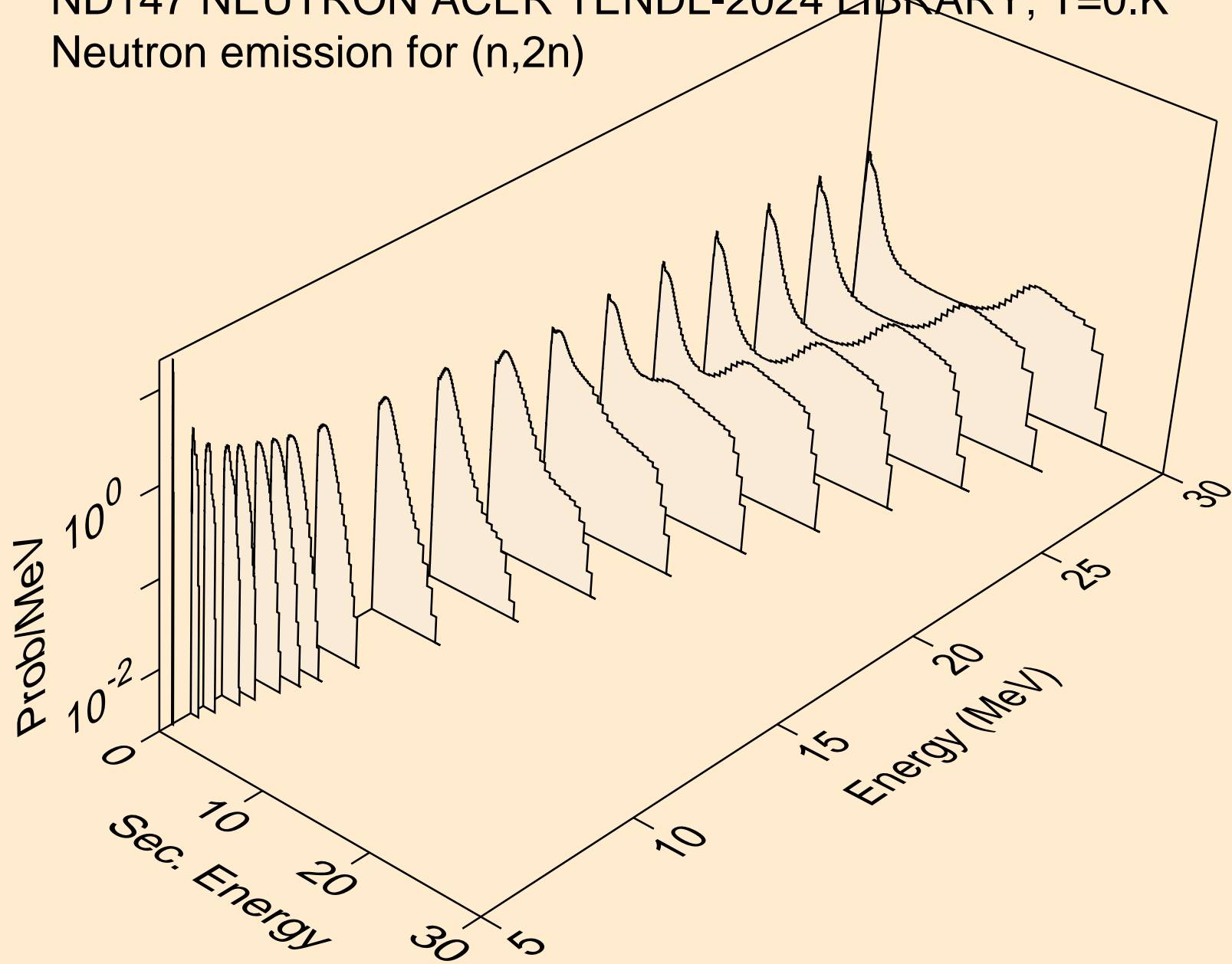




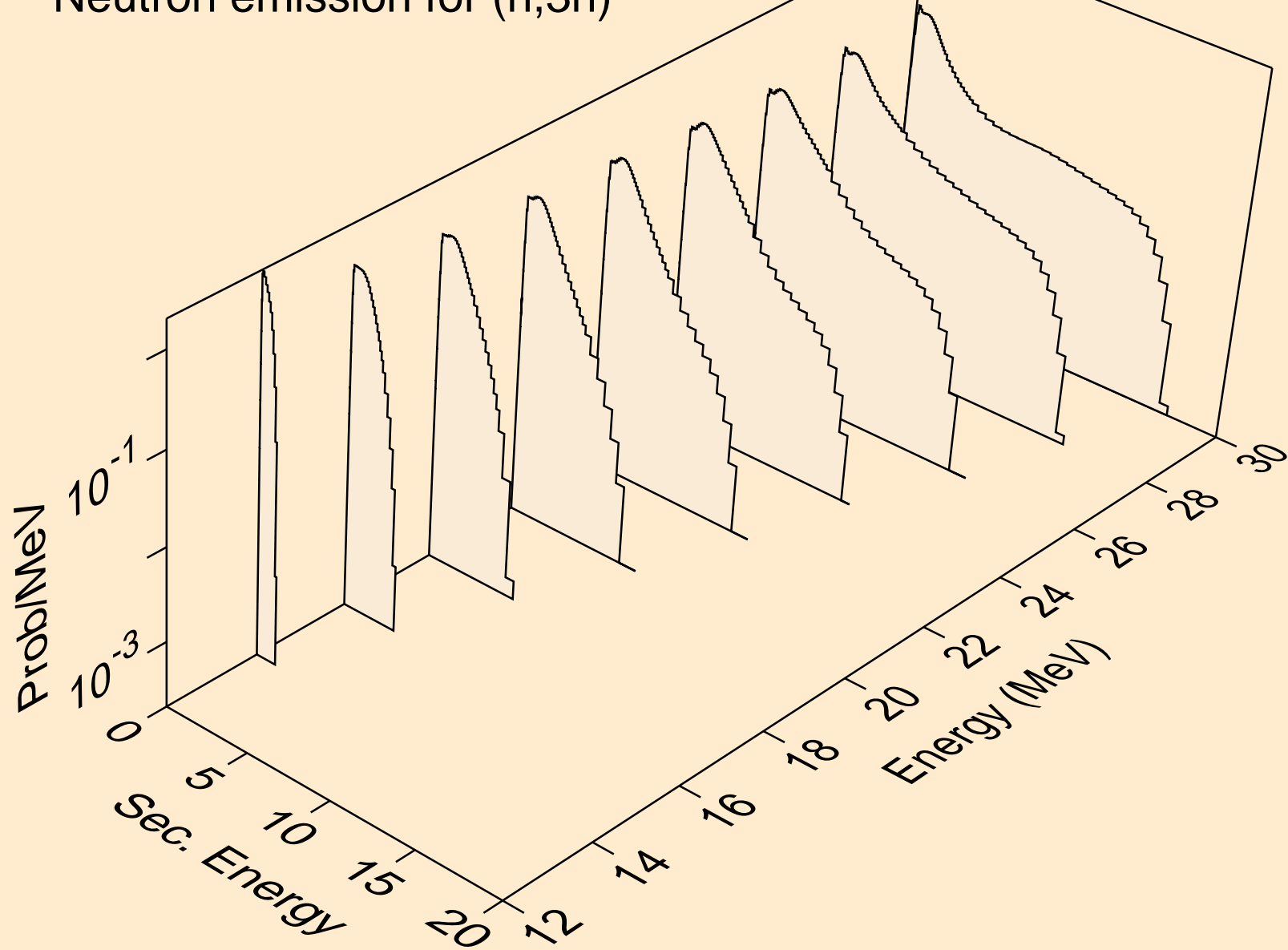
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



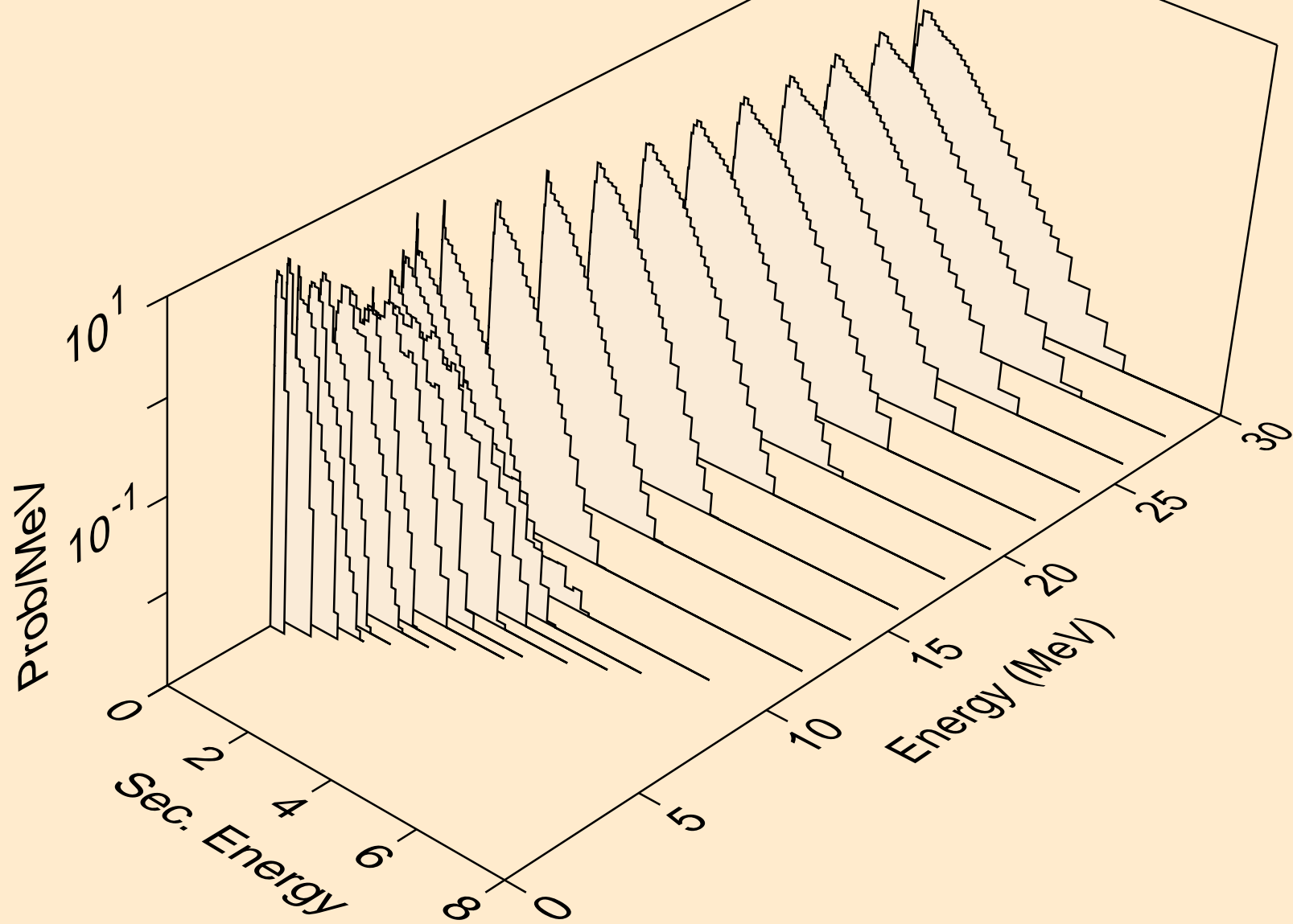
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



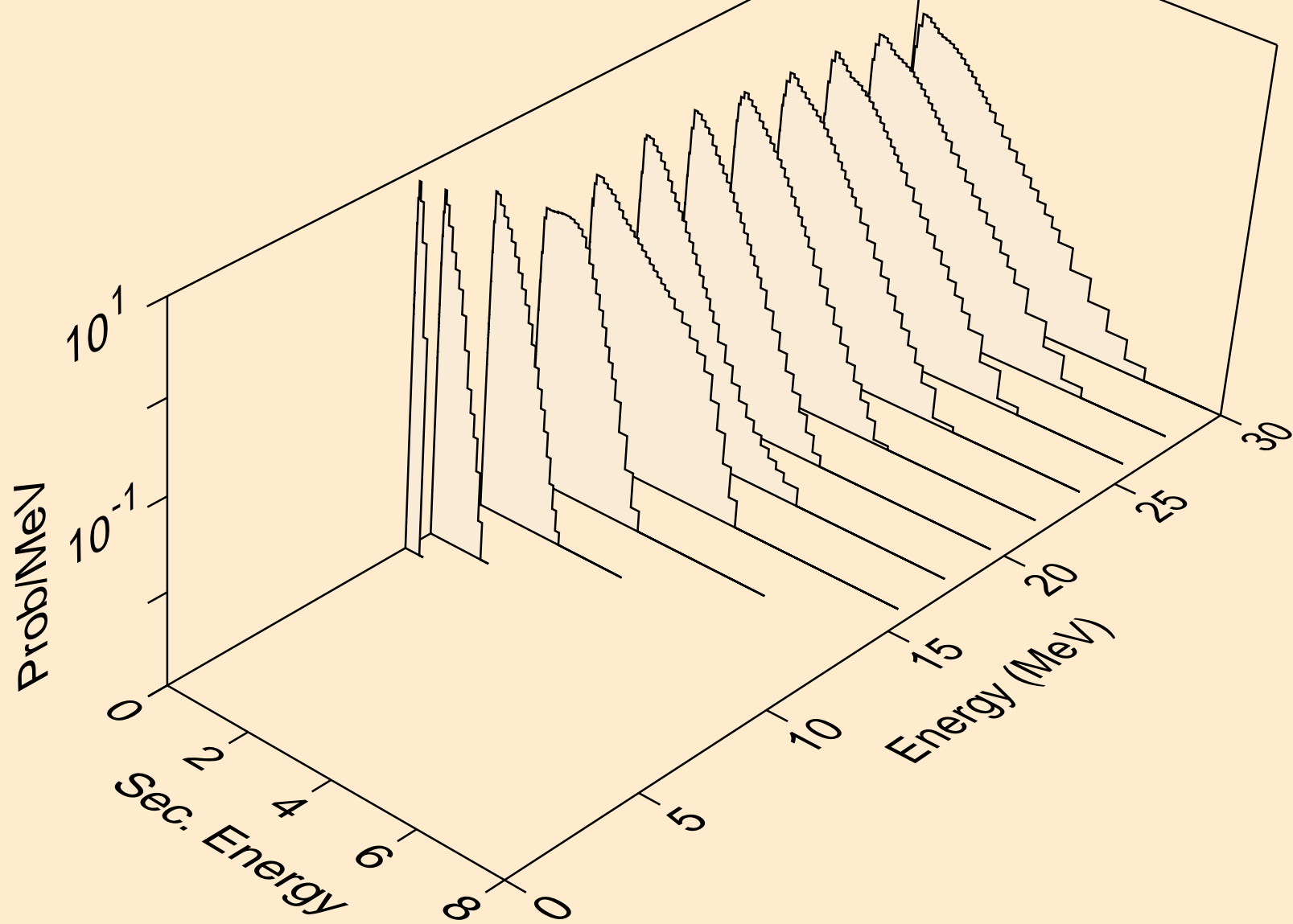
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



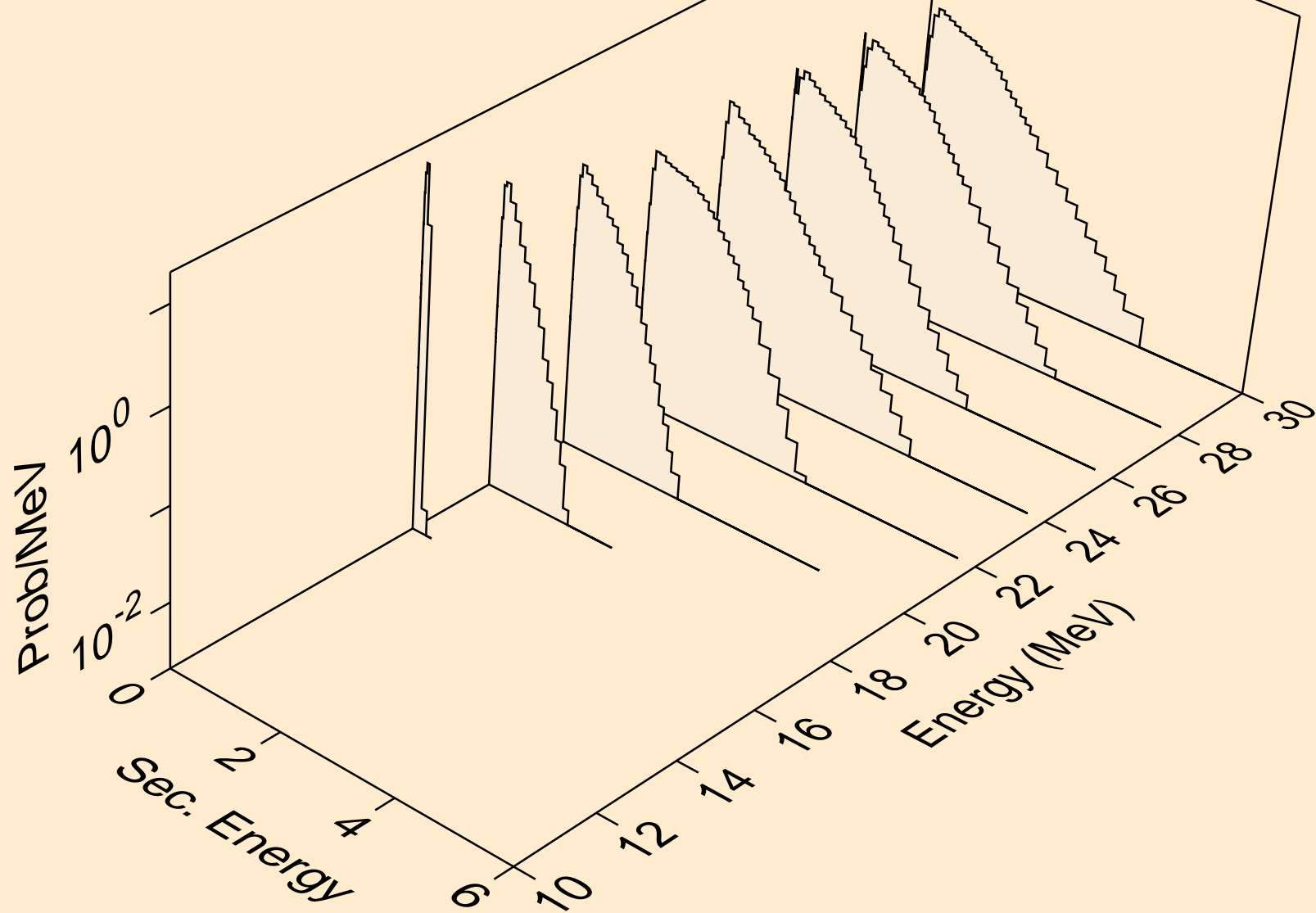
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



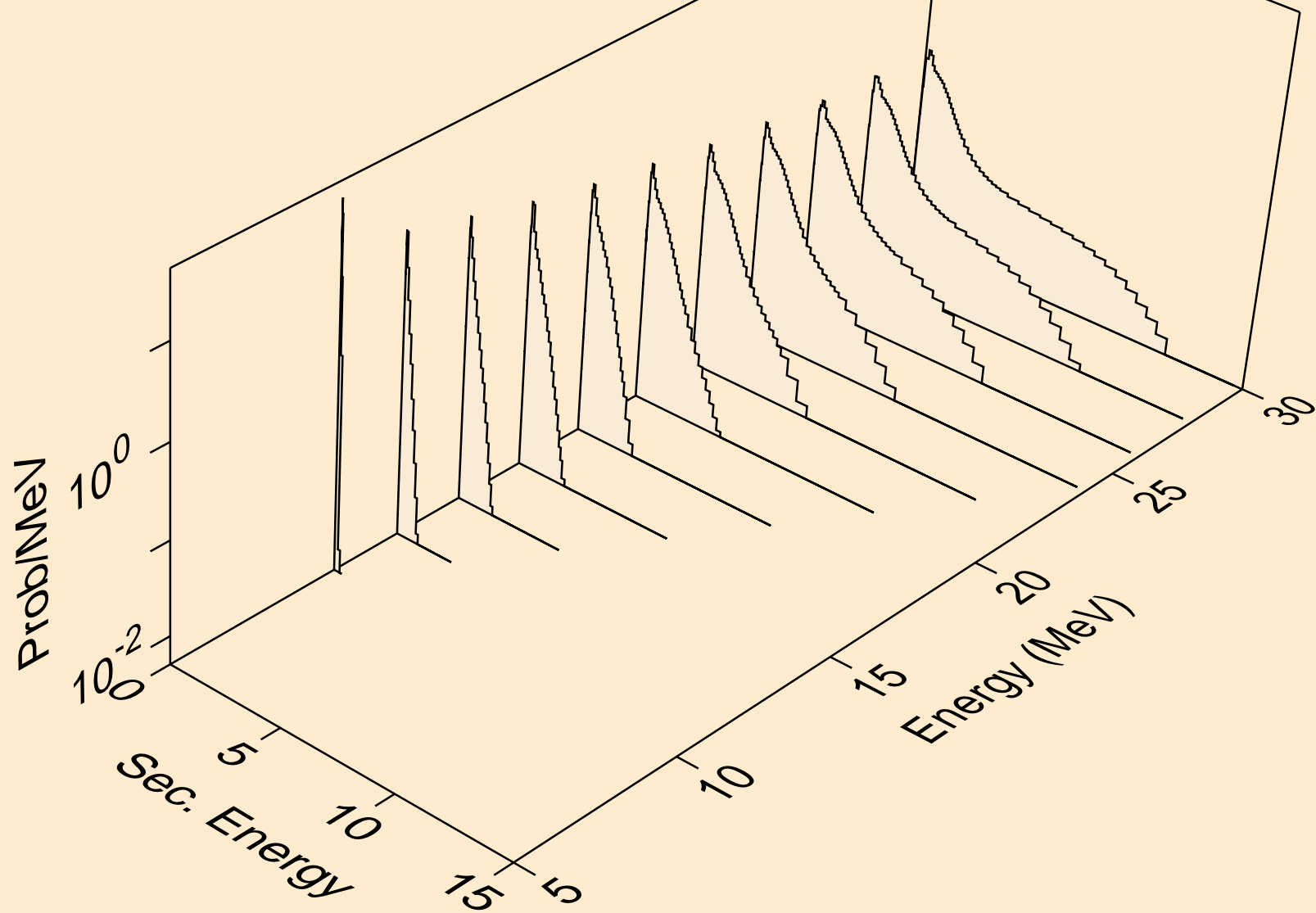
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



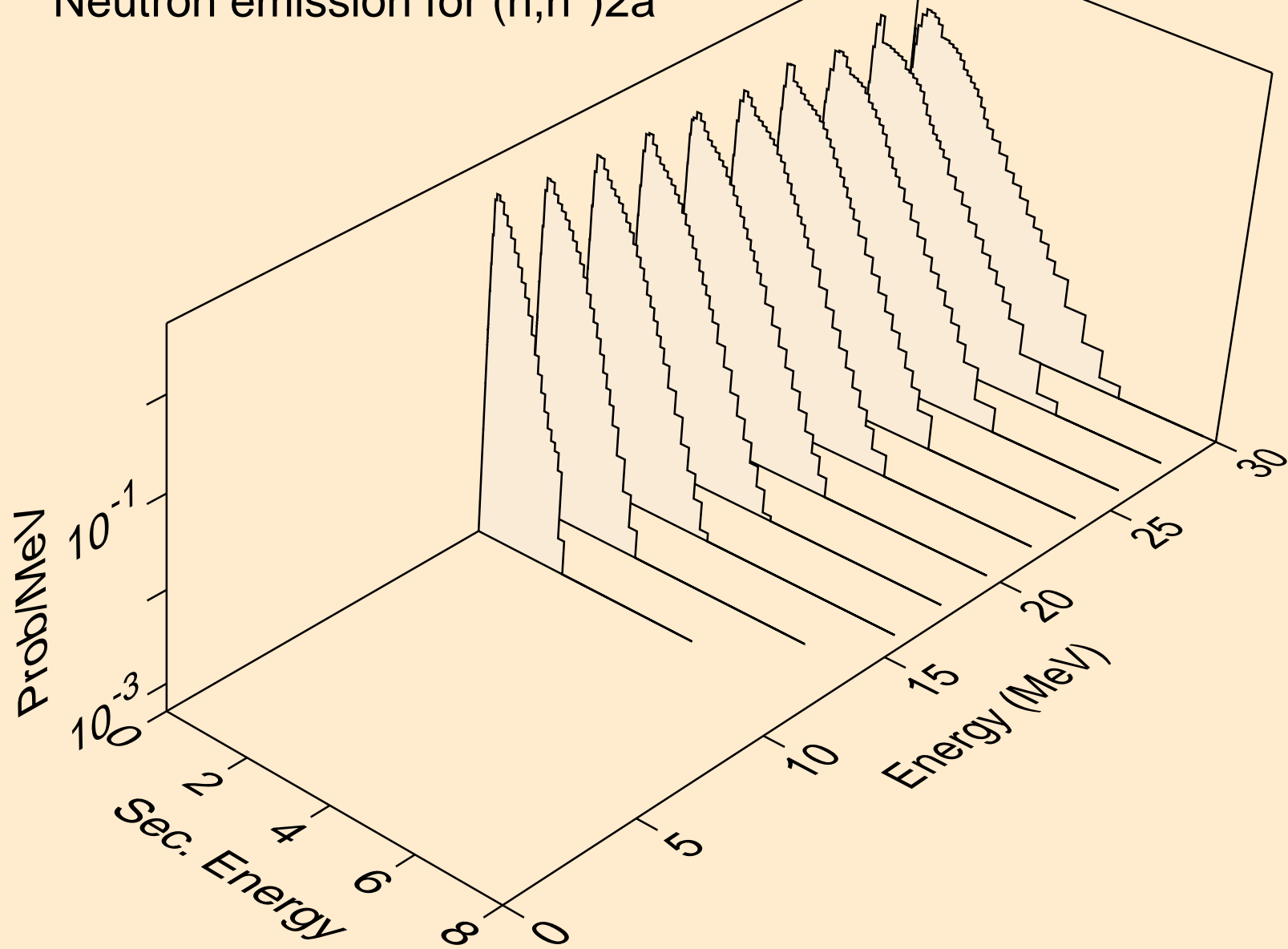
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p

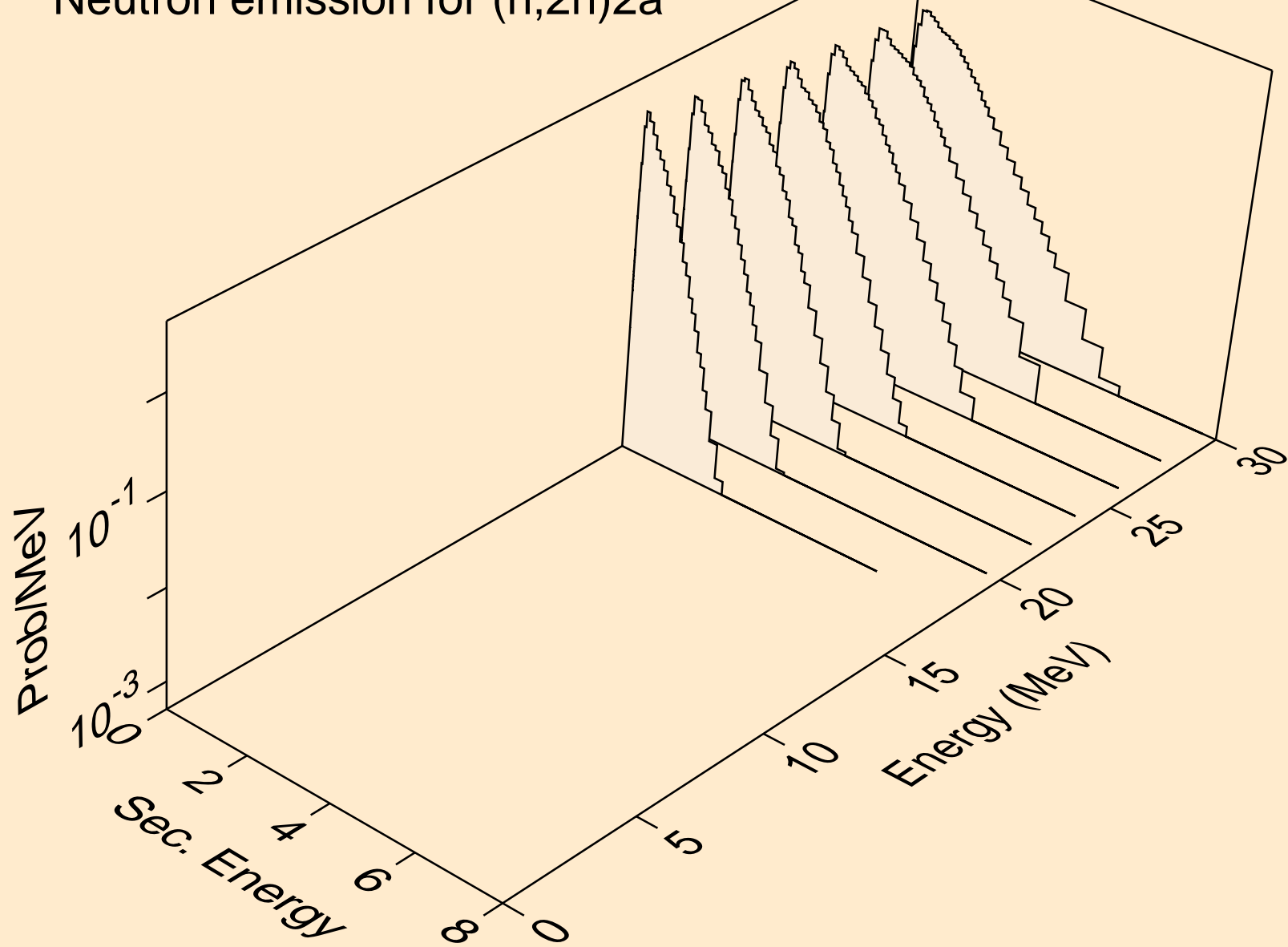


ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a

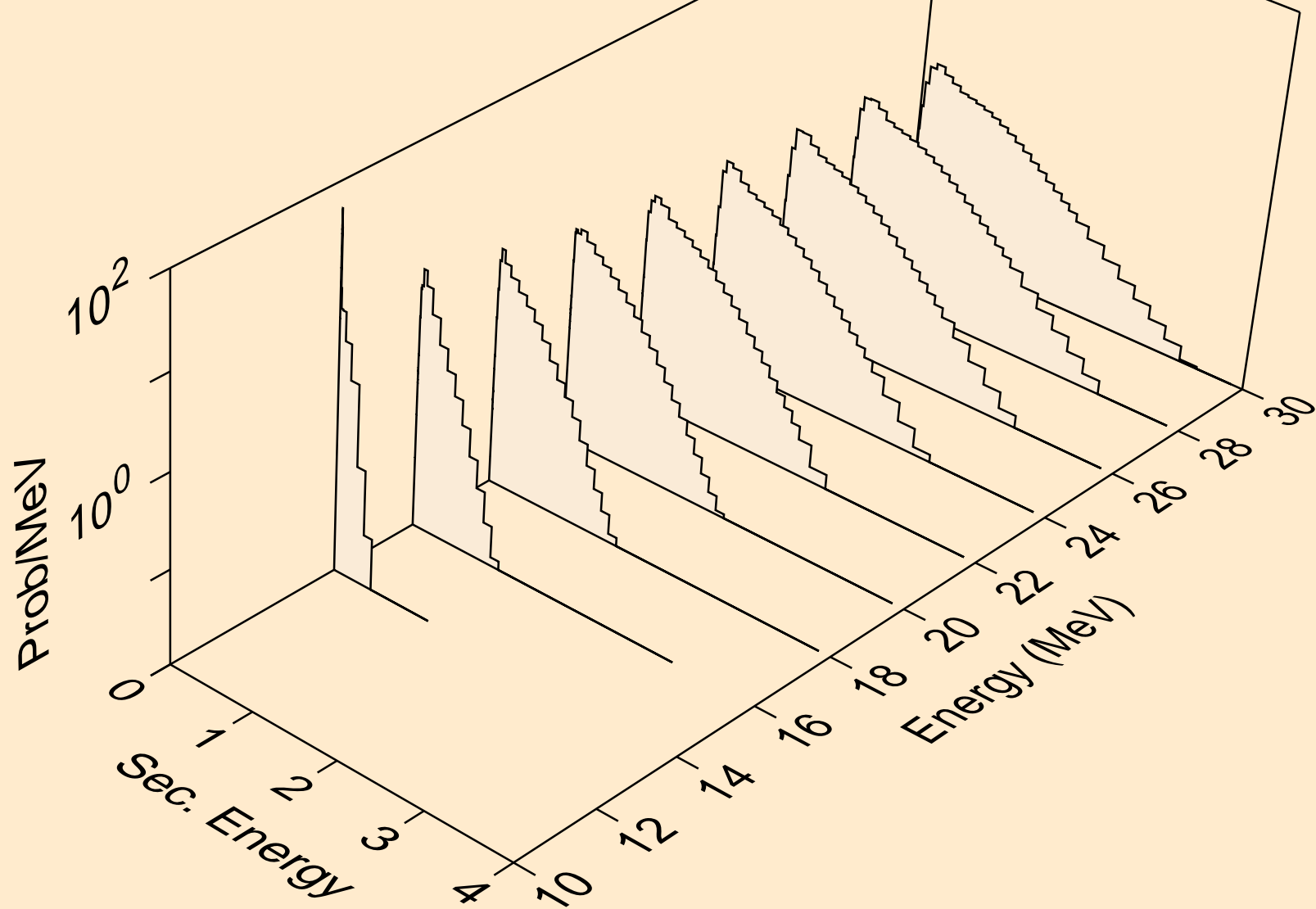




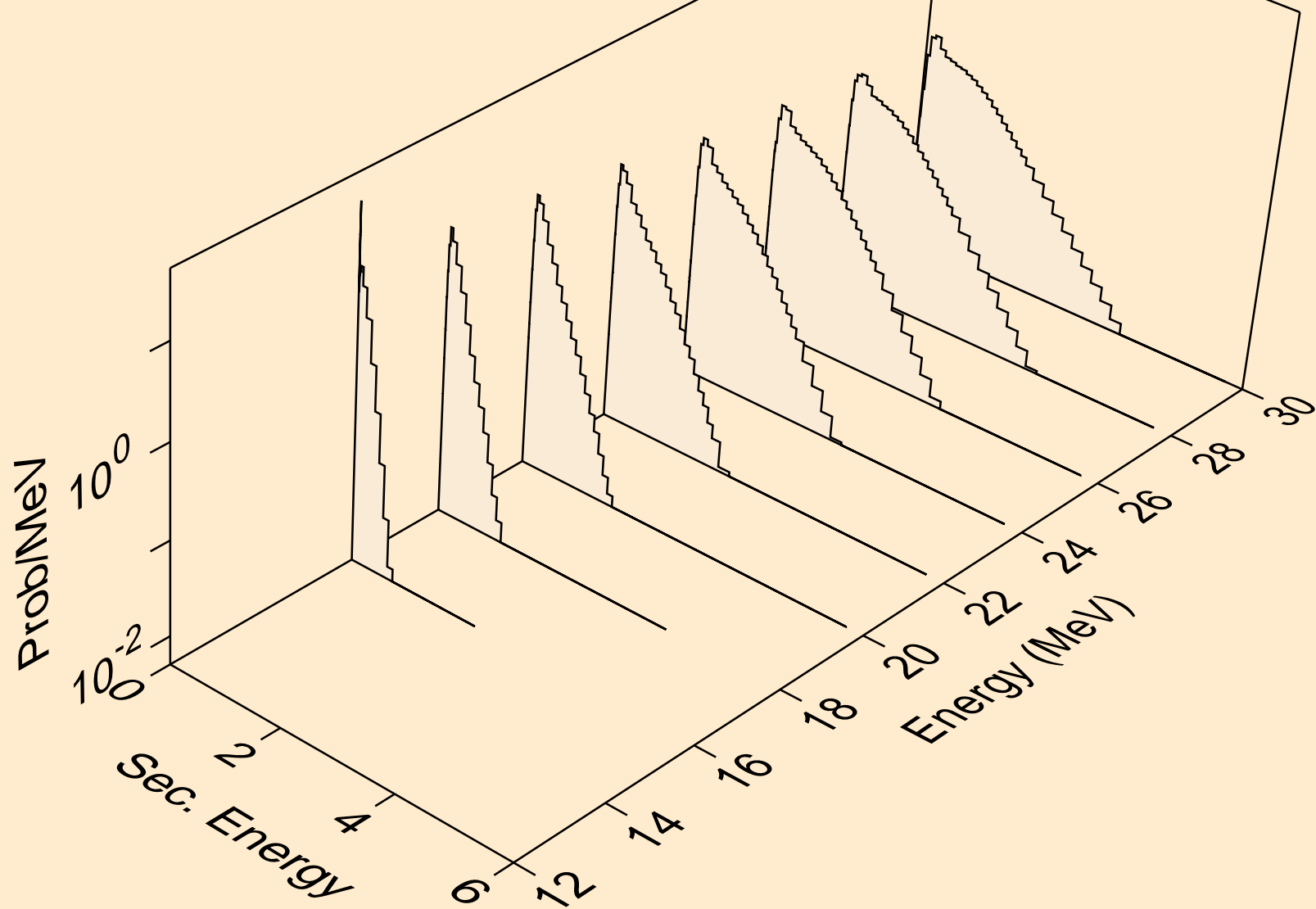
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a



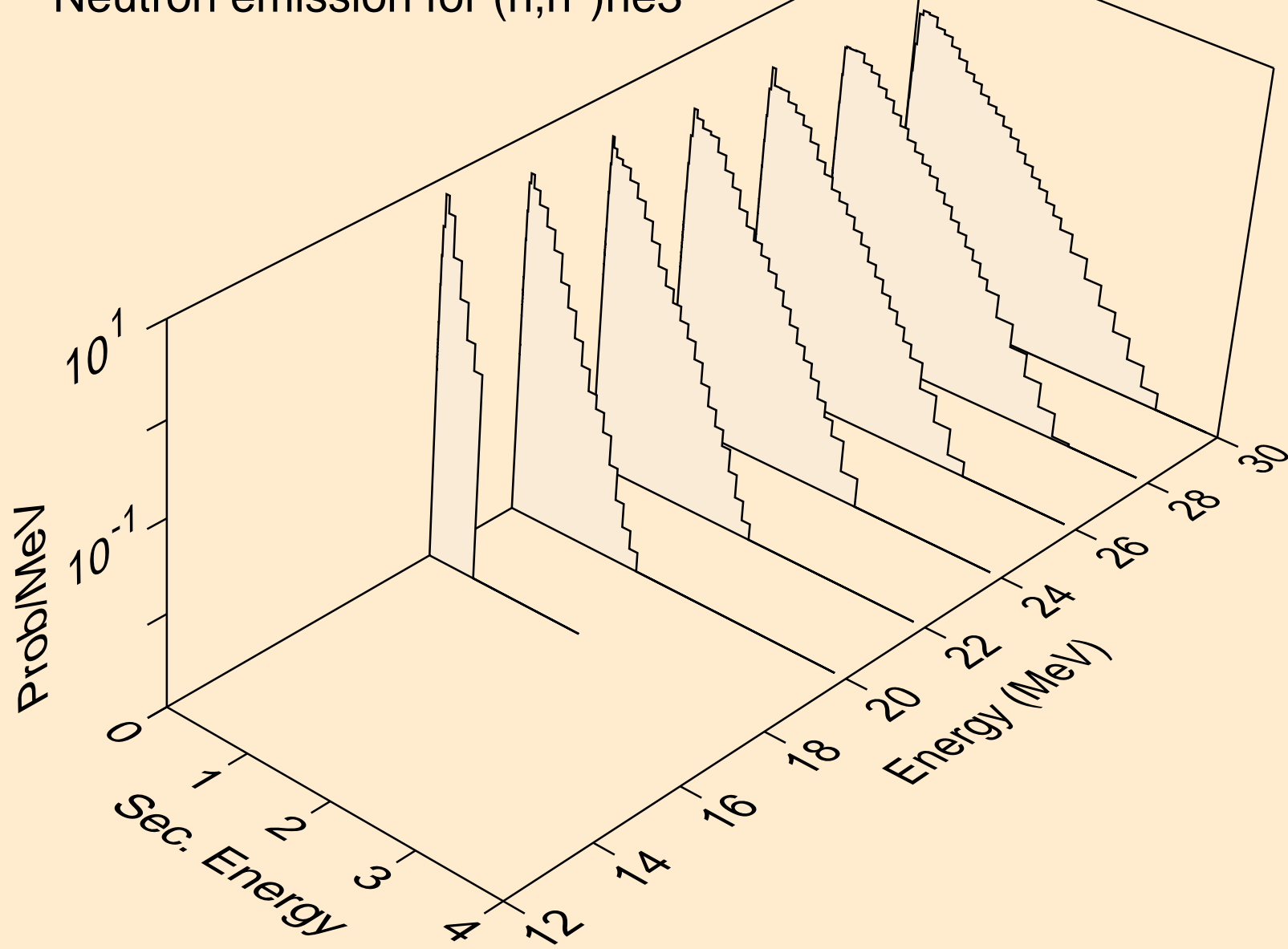
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



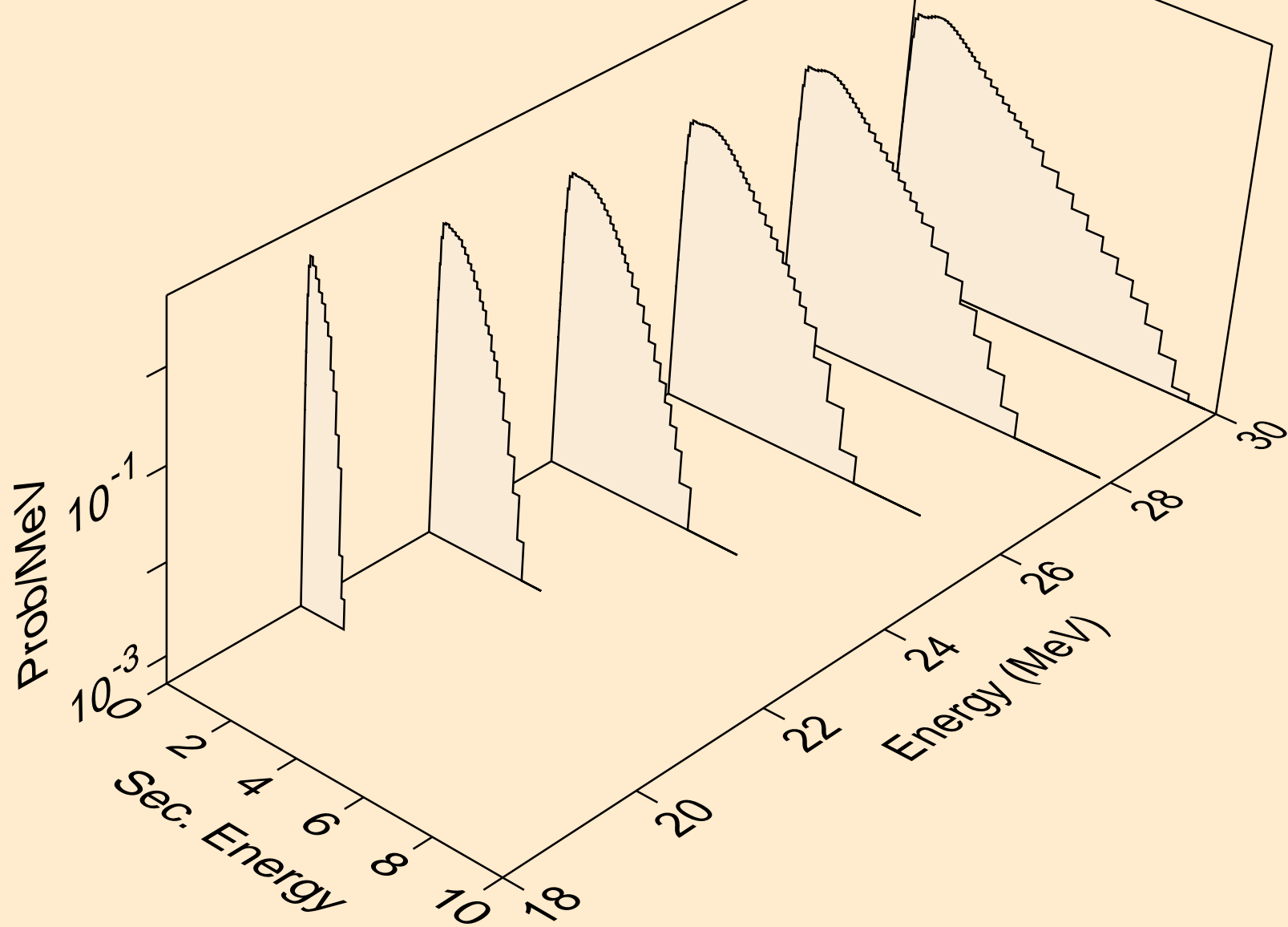
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



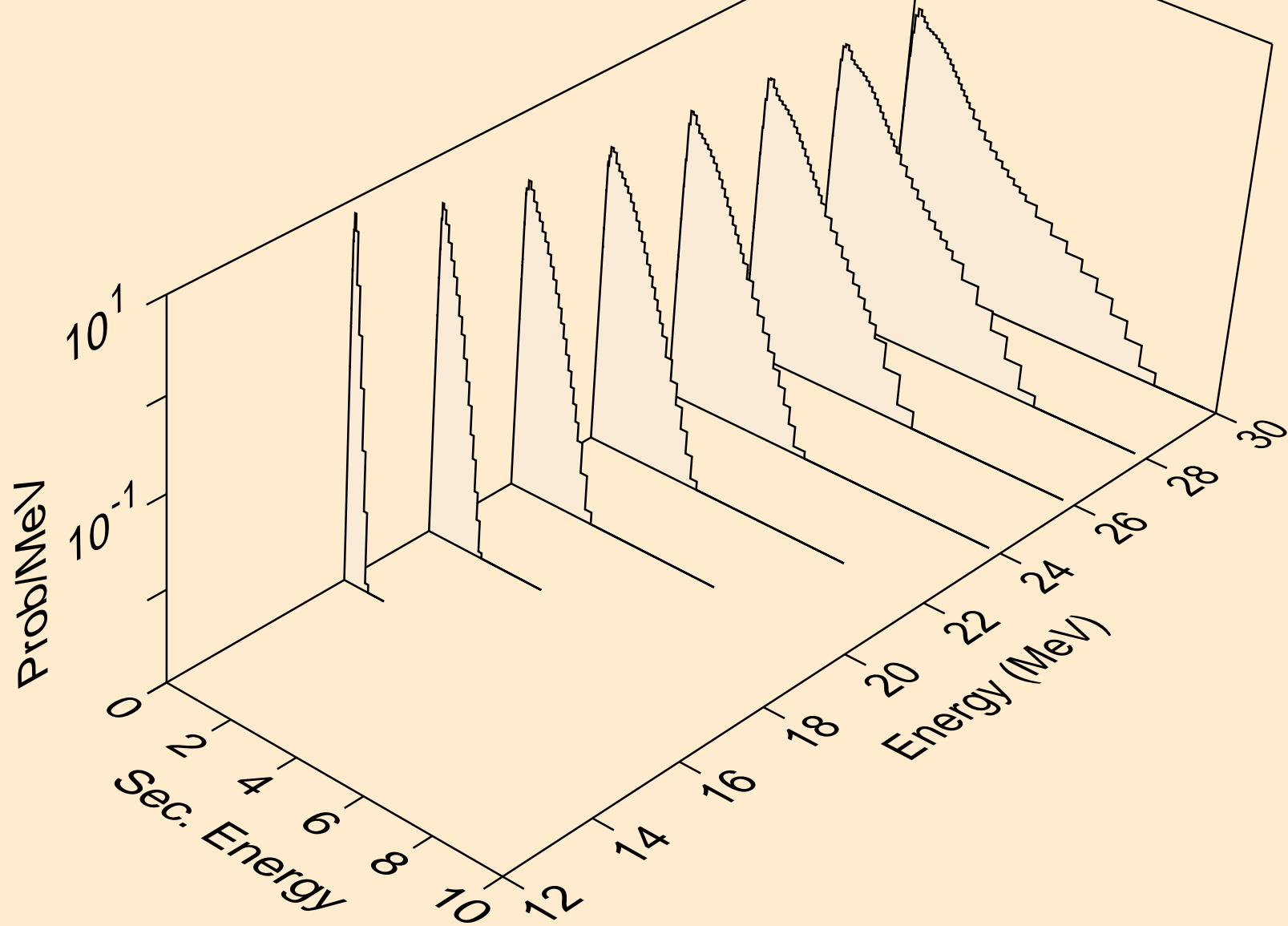
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



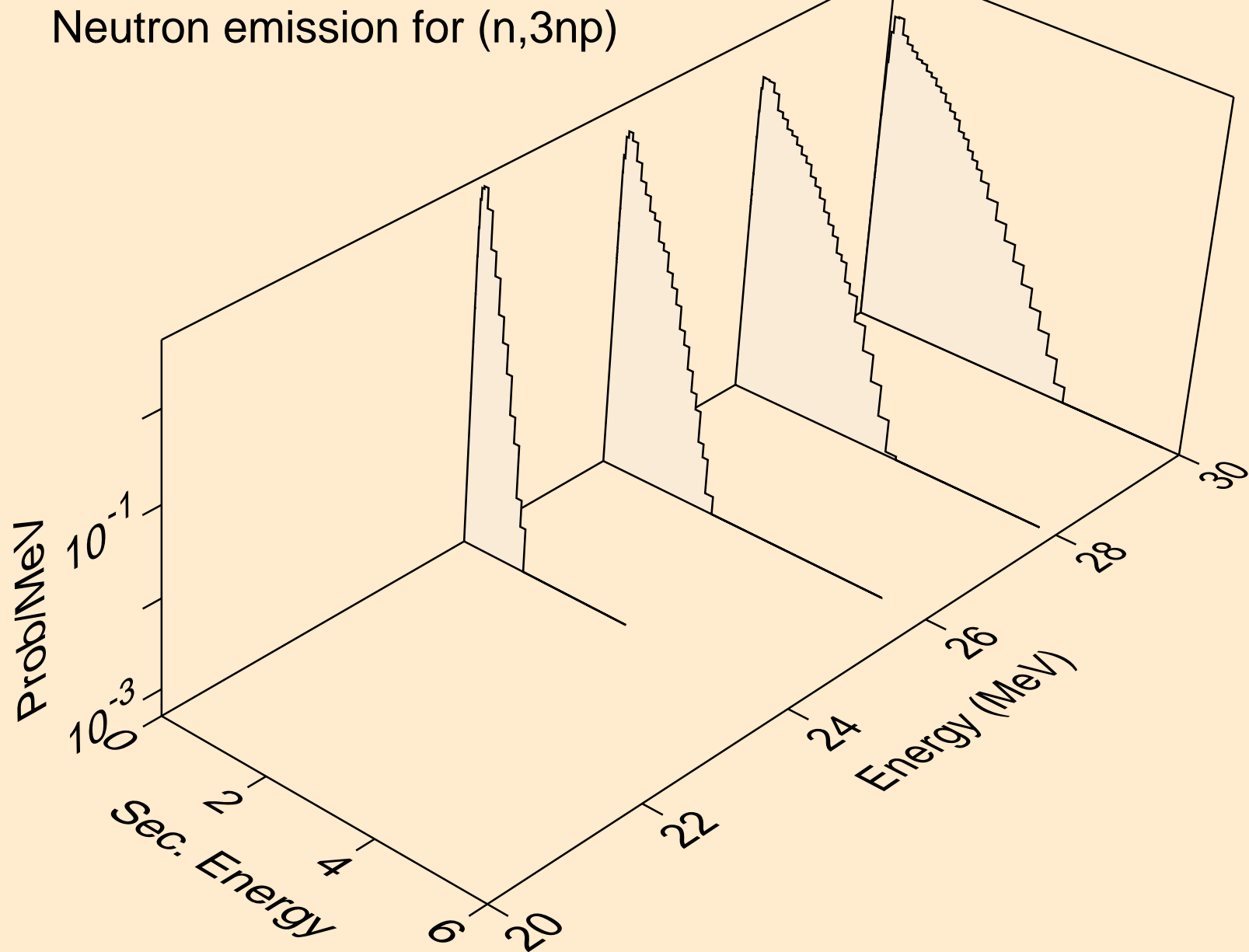
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)



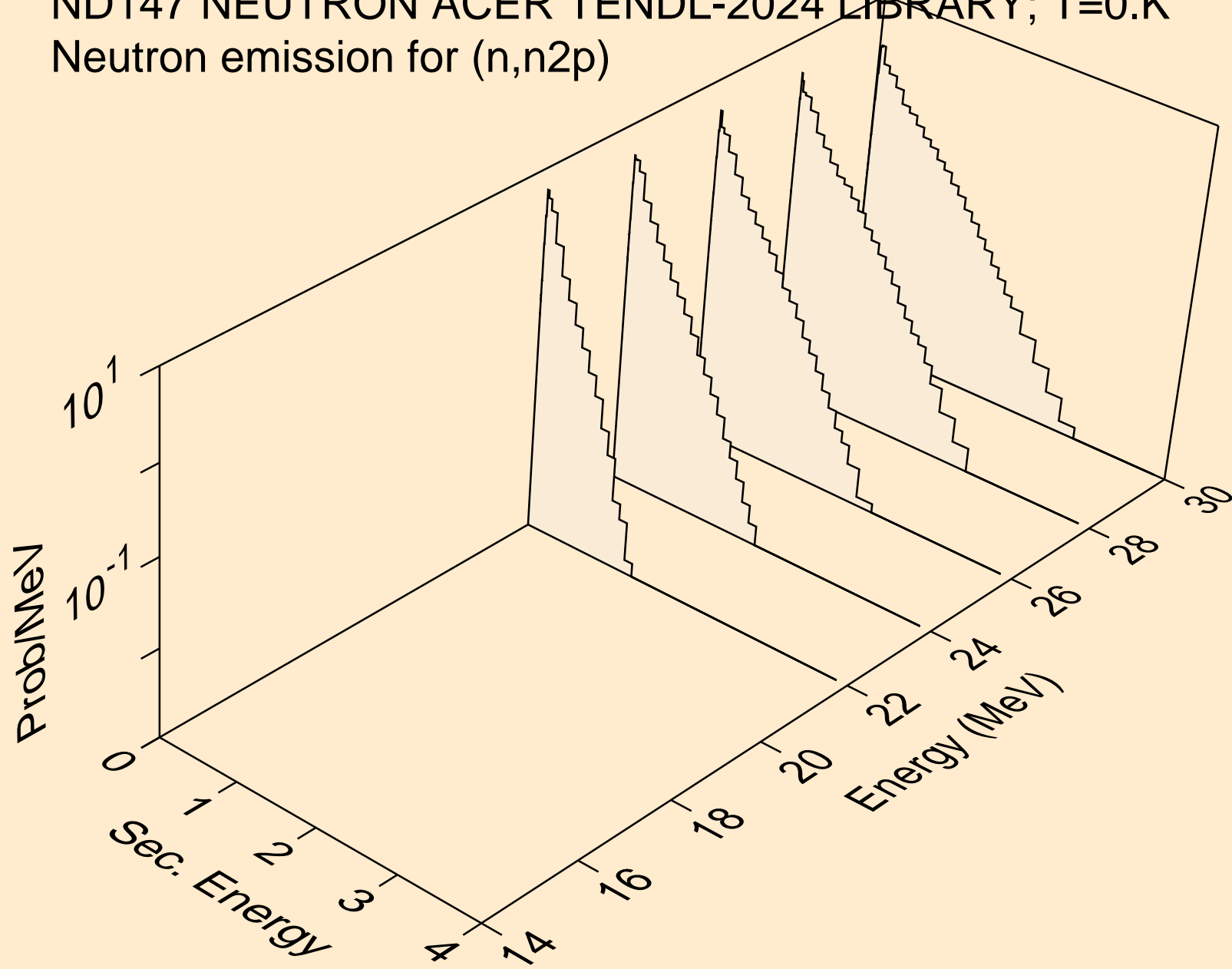
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)

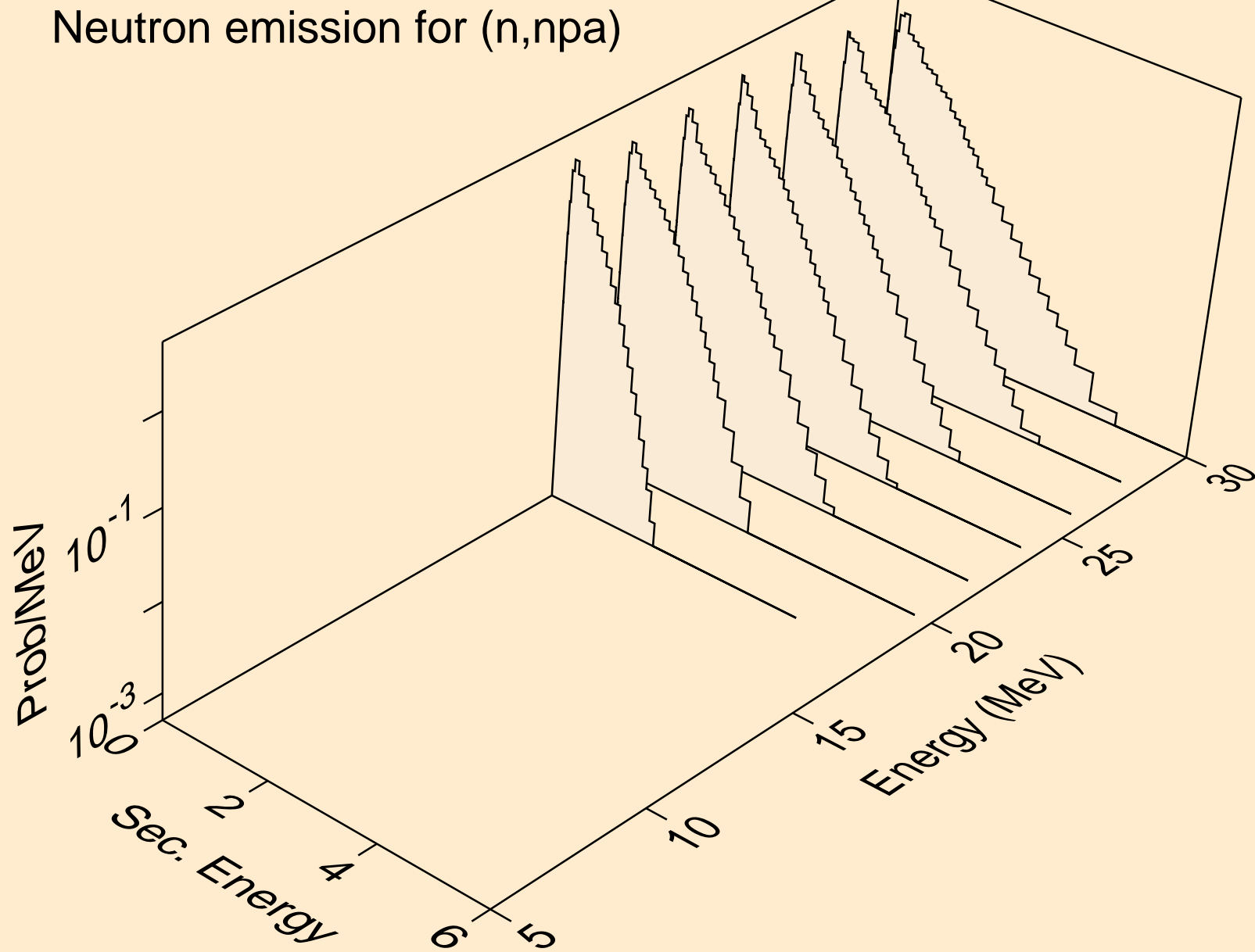


ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)

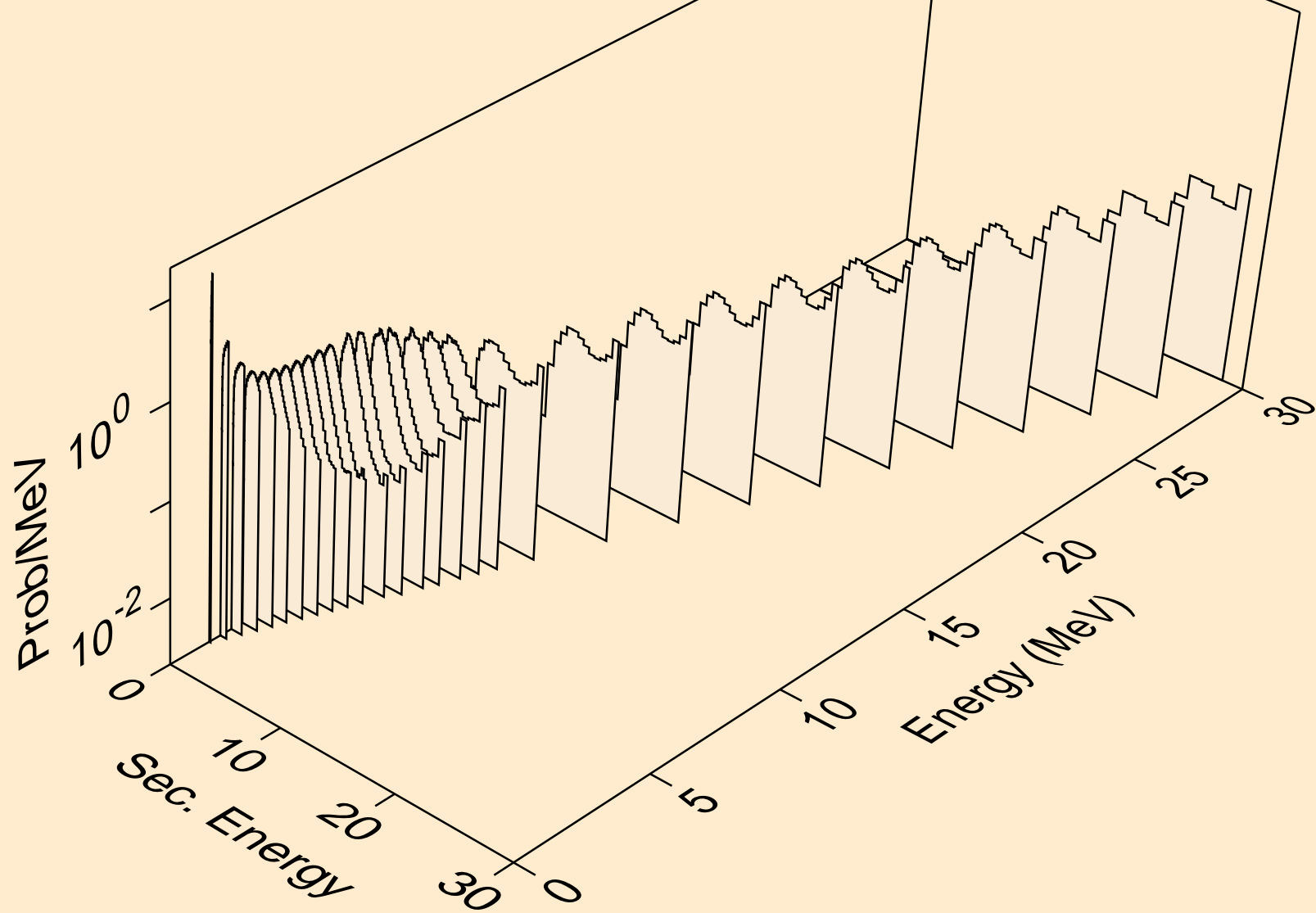




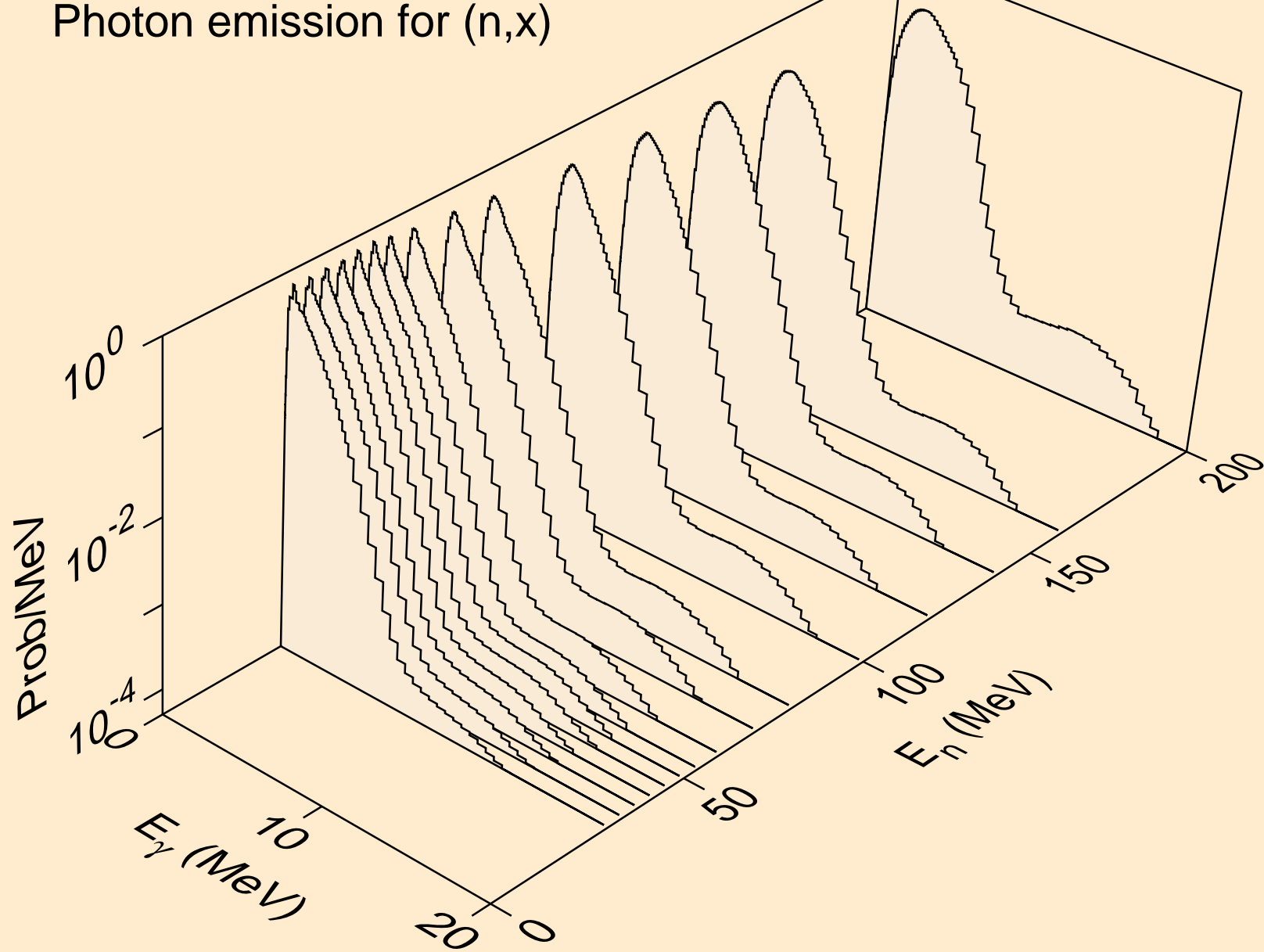
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)



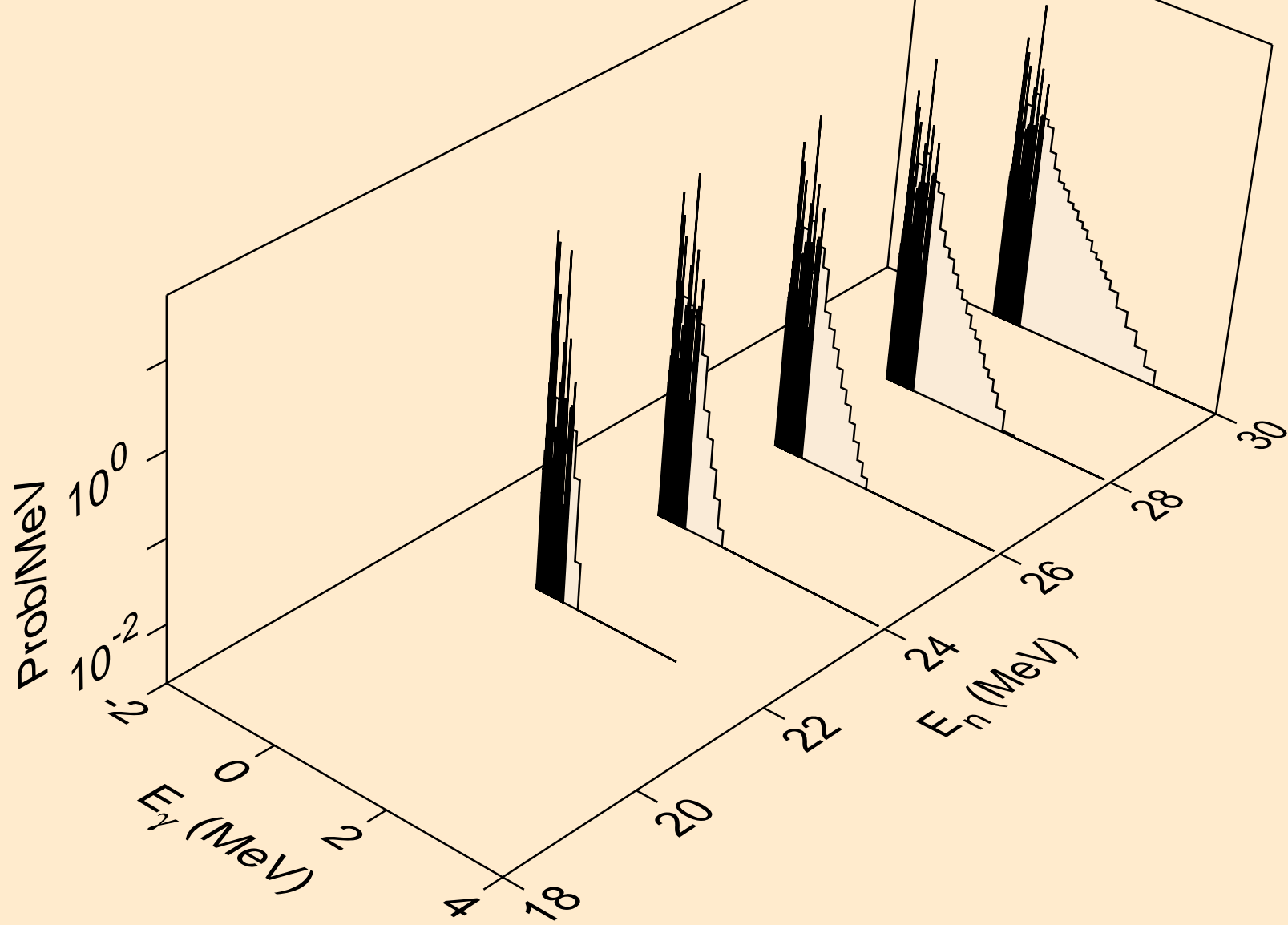
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



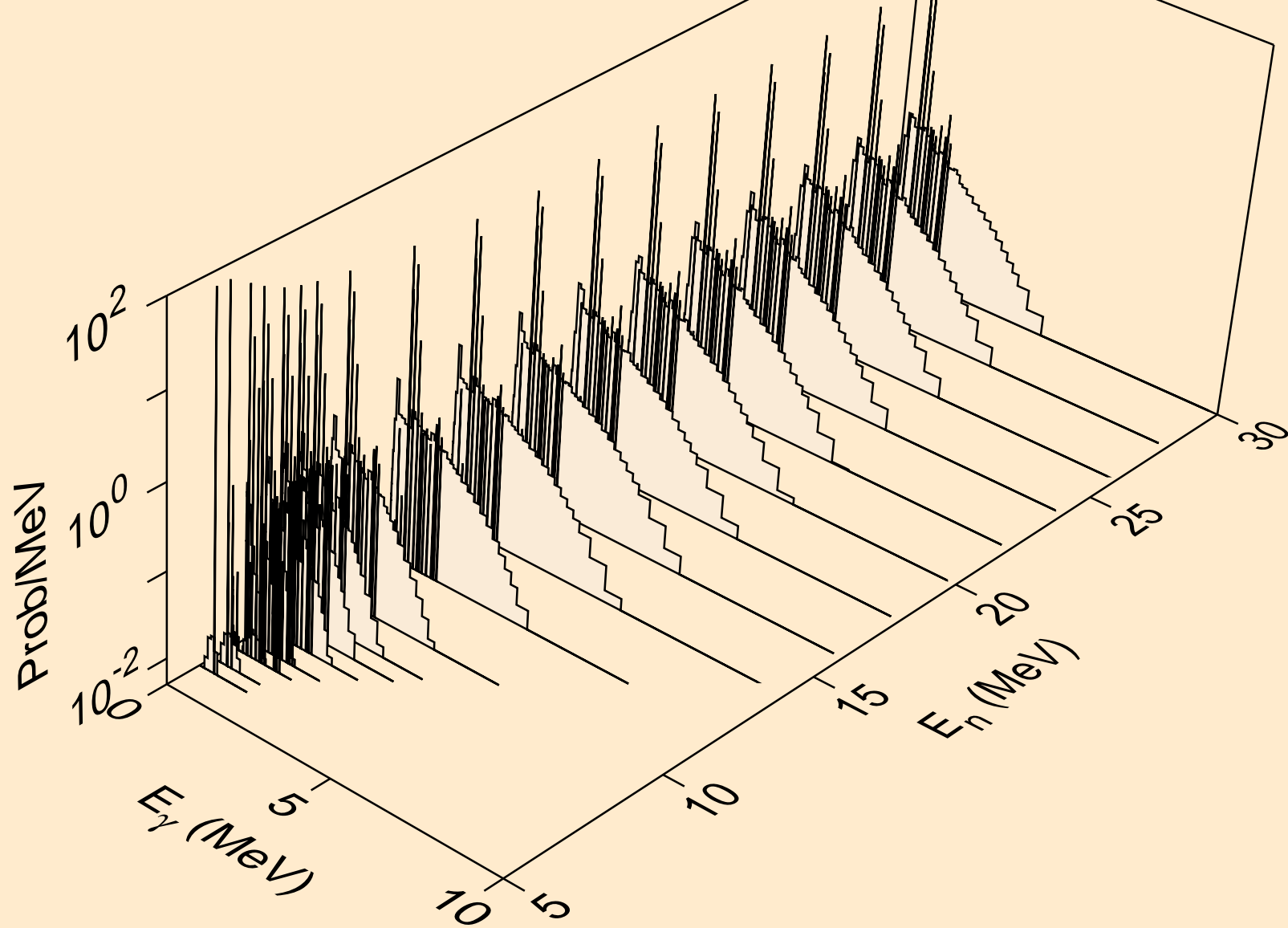
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



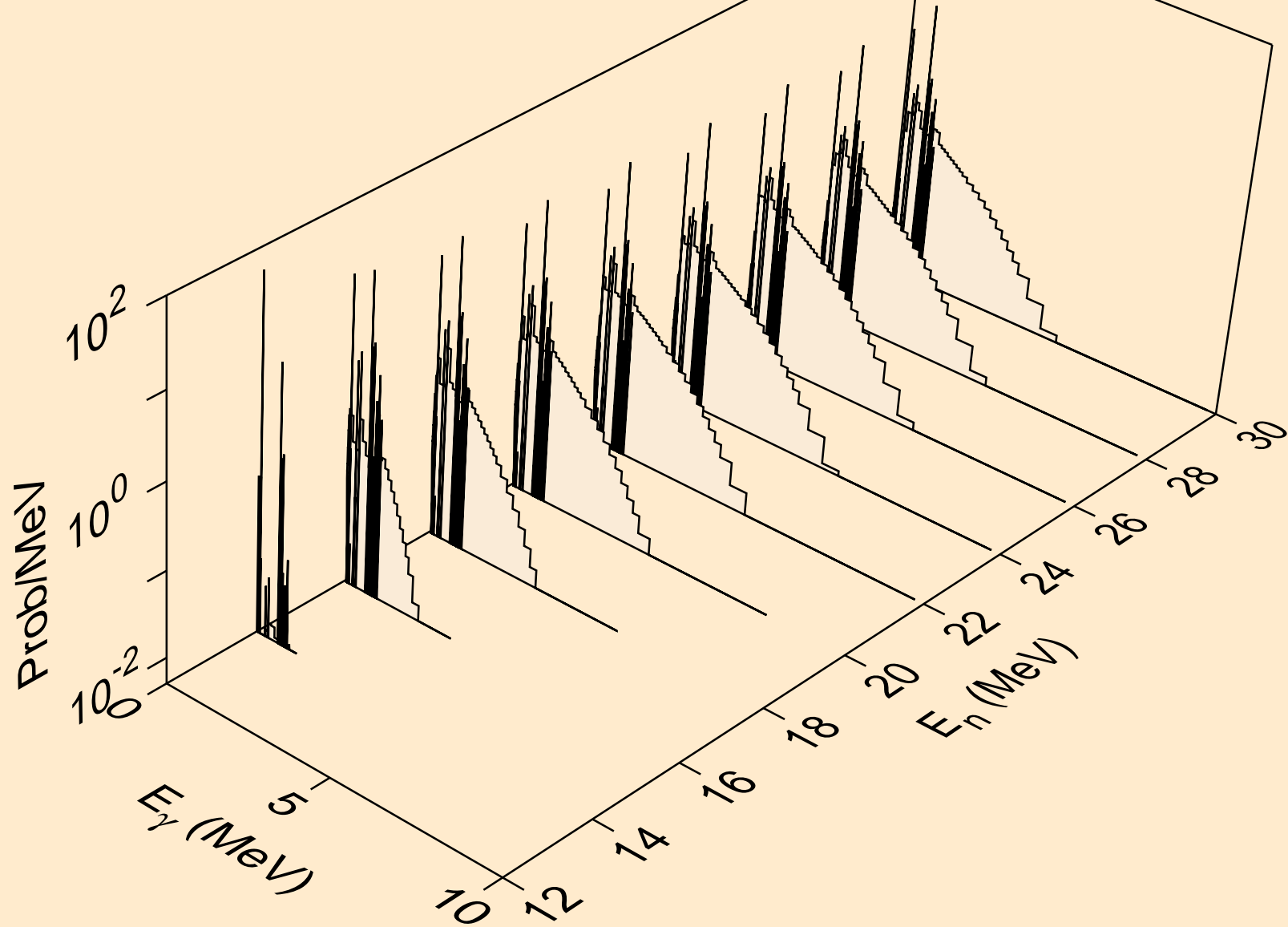
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



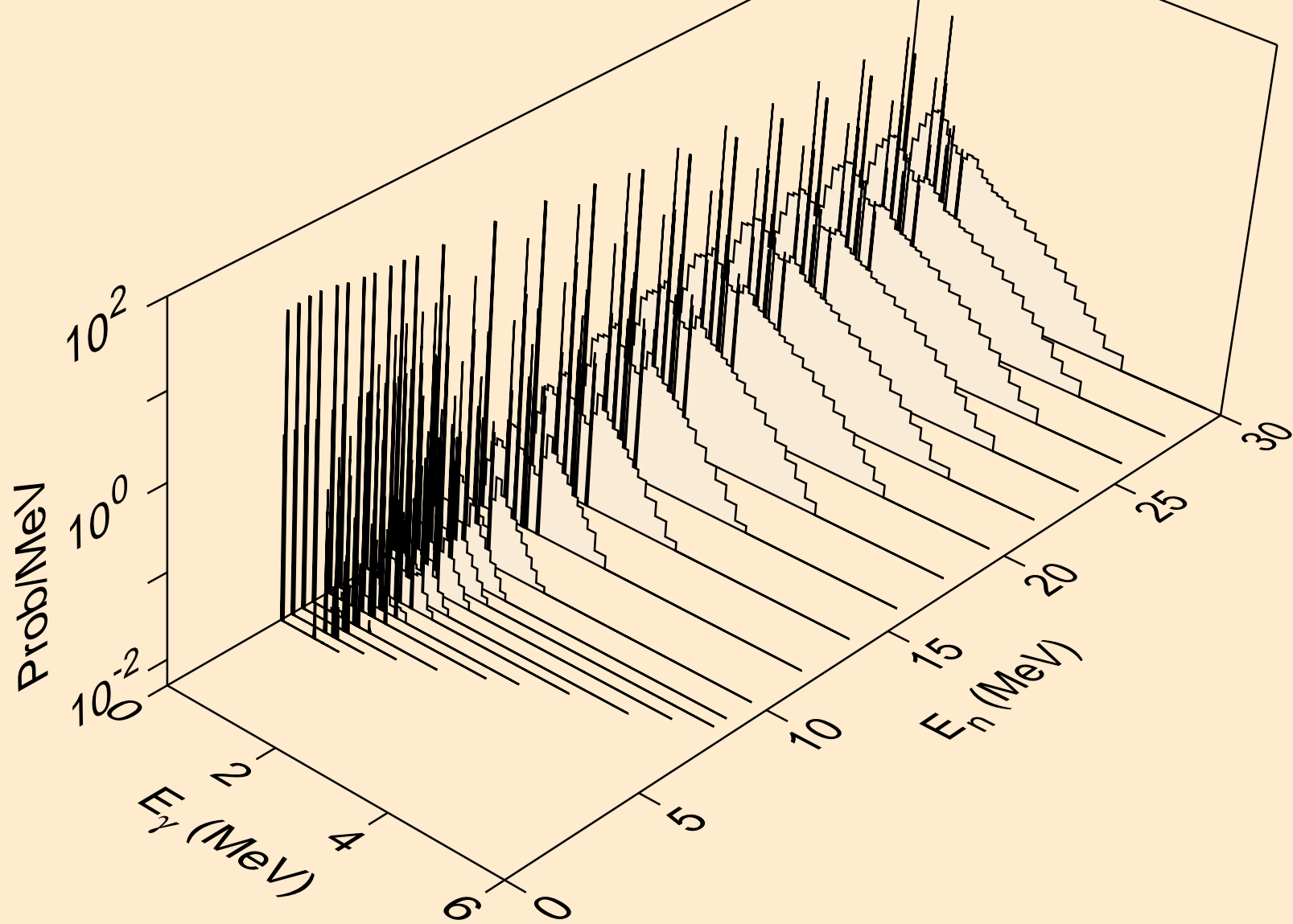
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



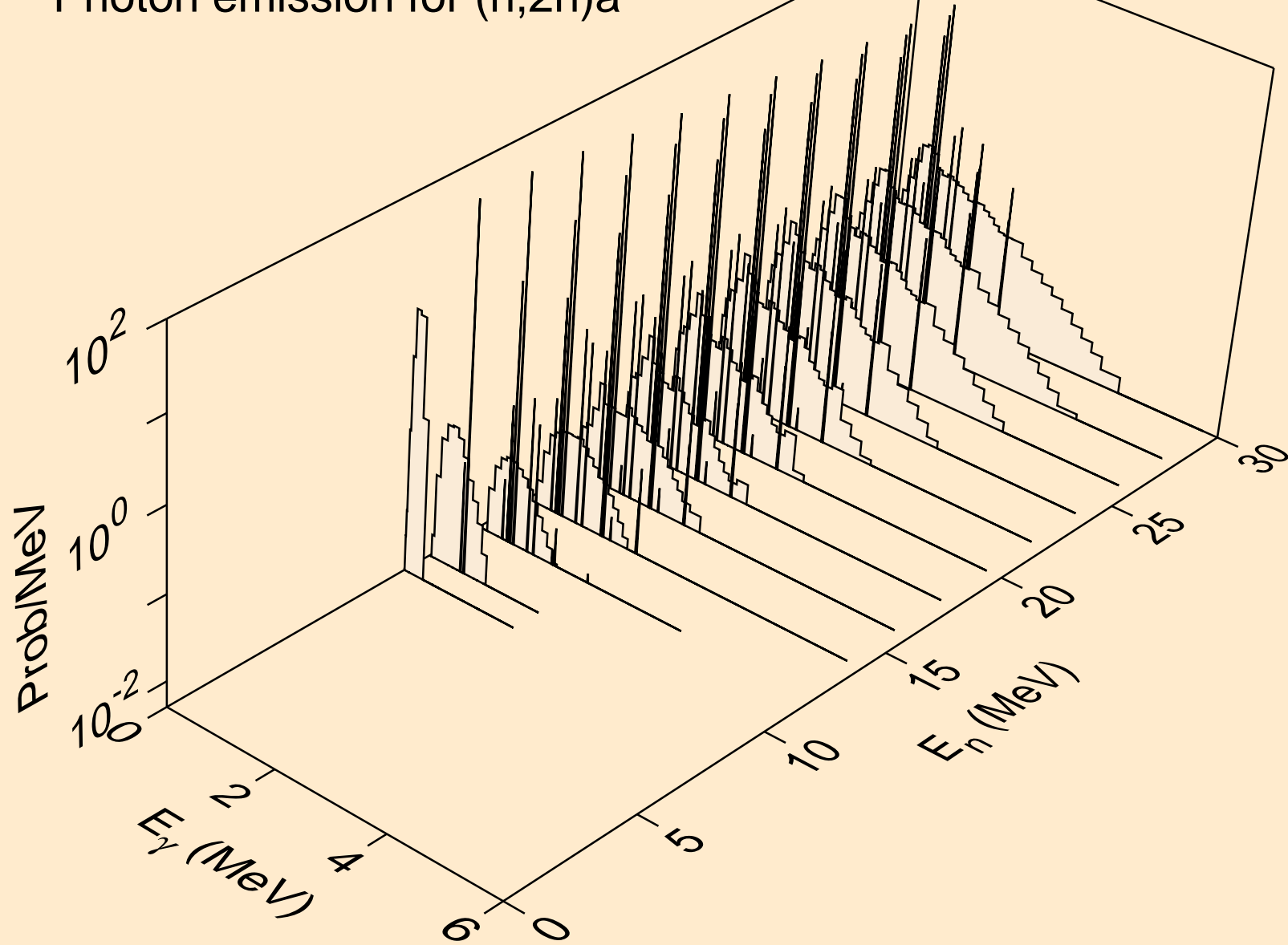
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

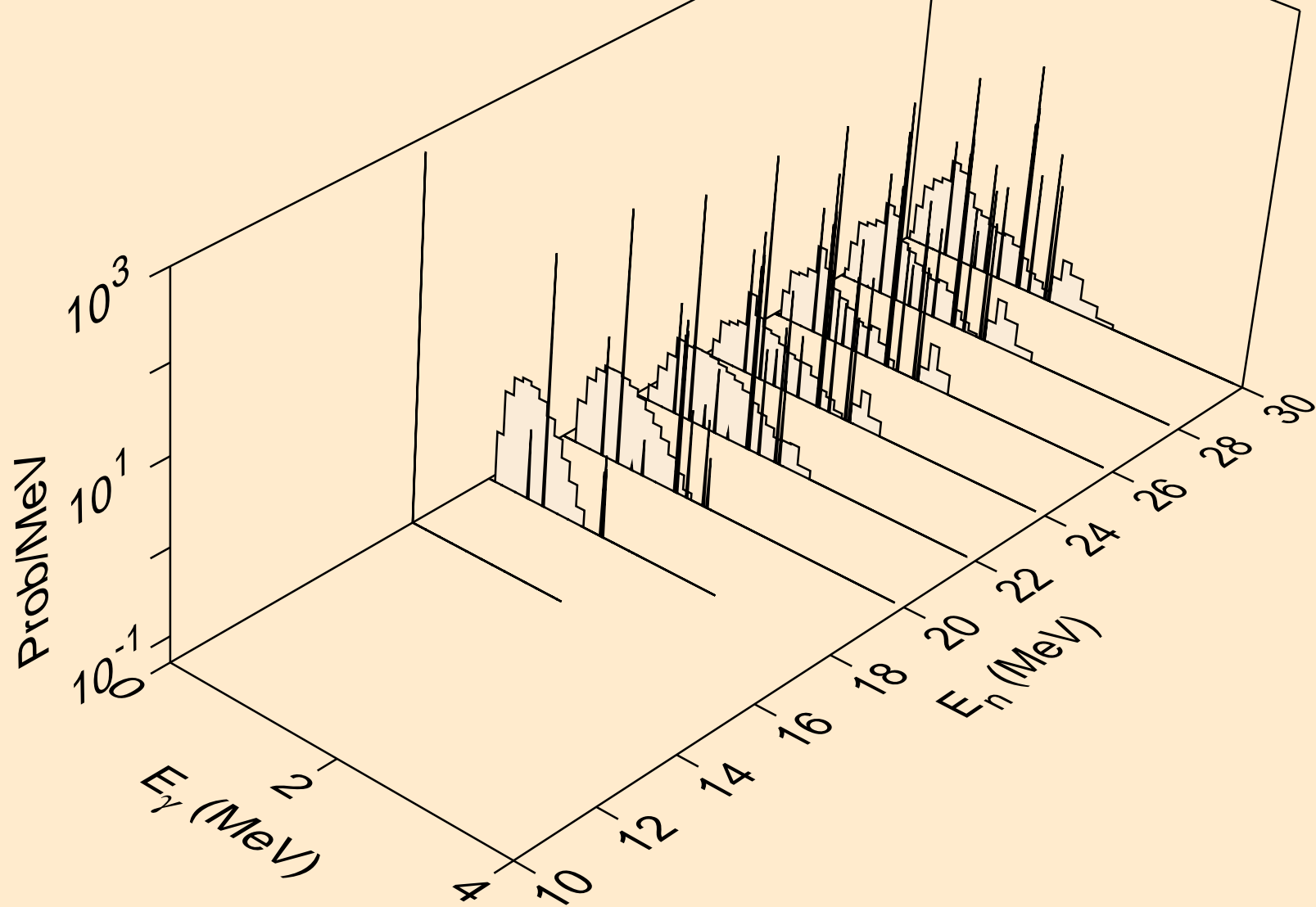


ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a

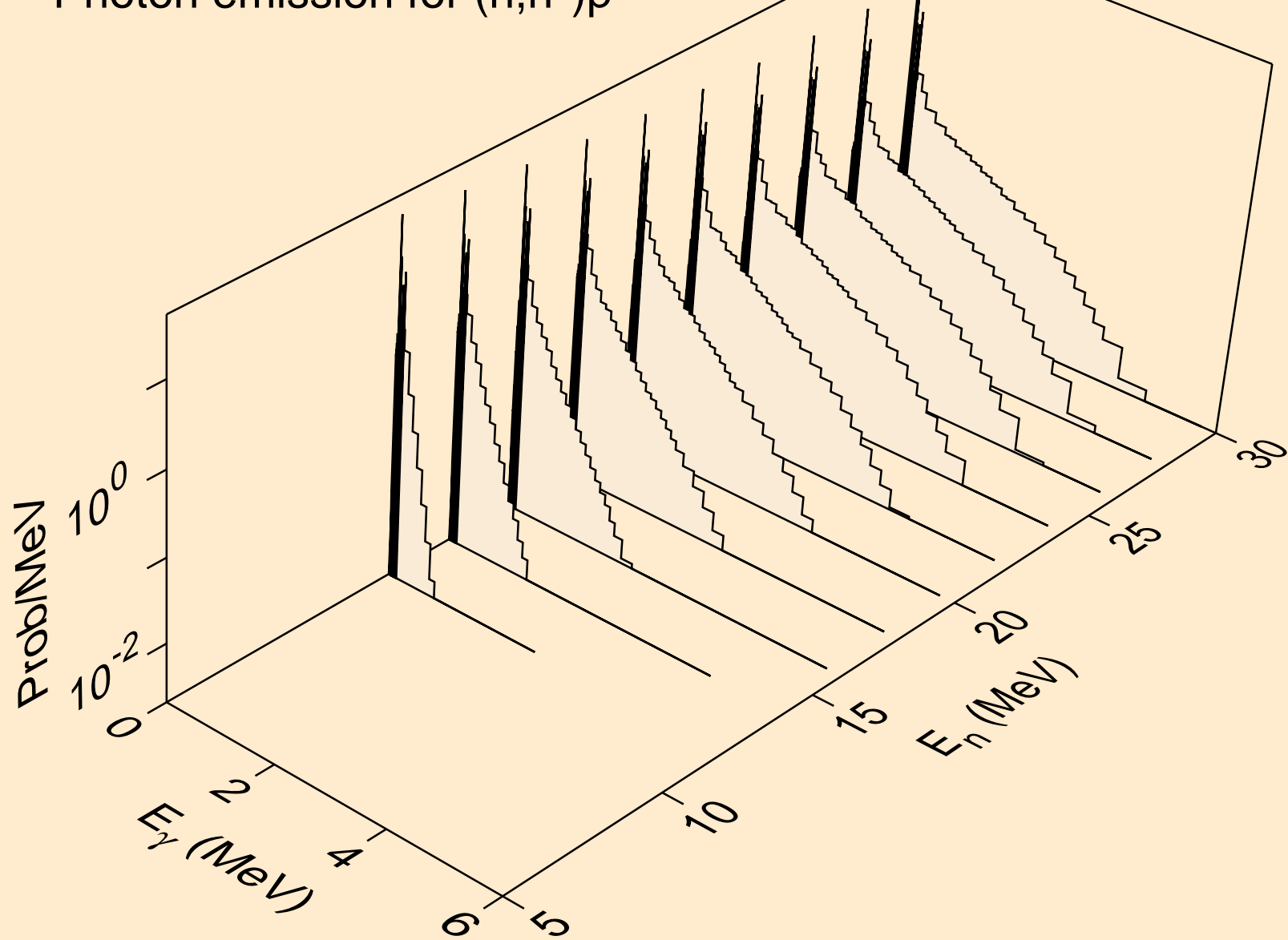




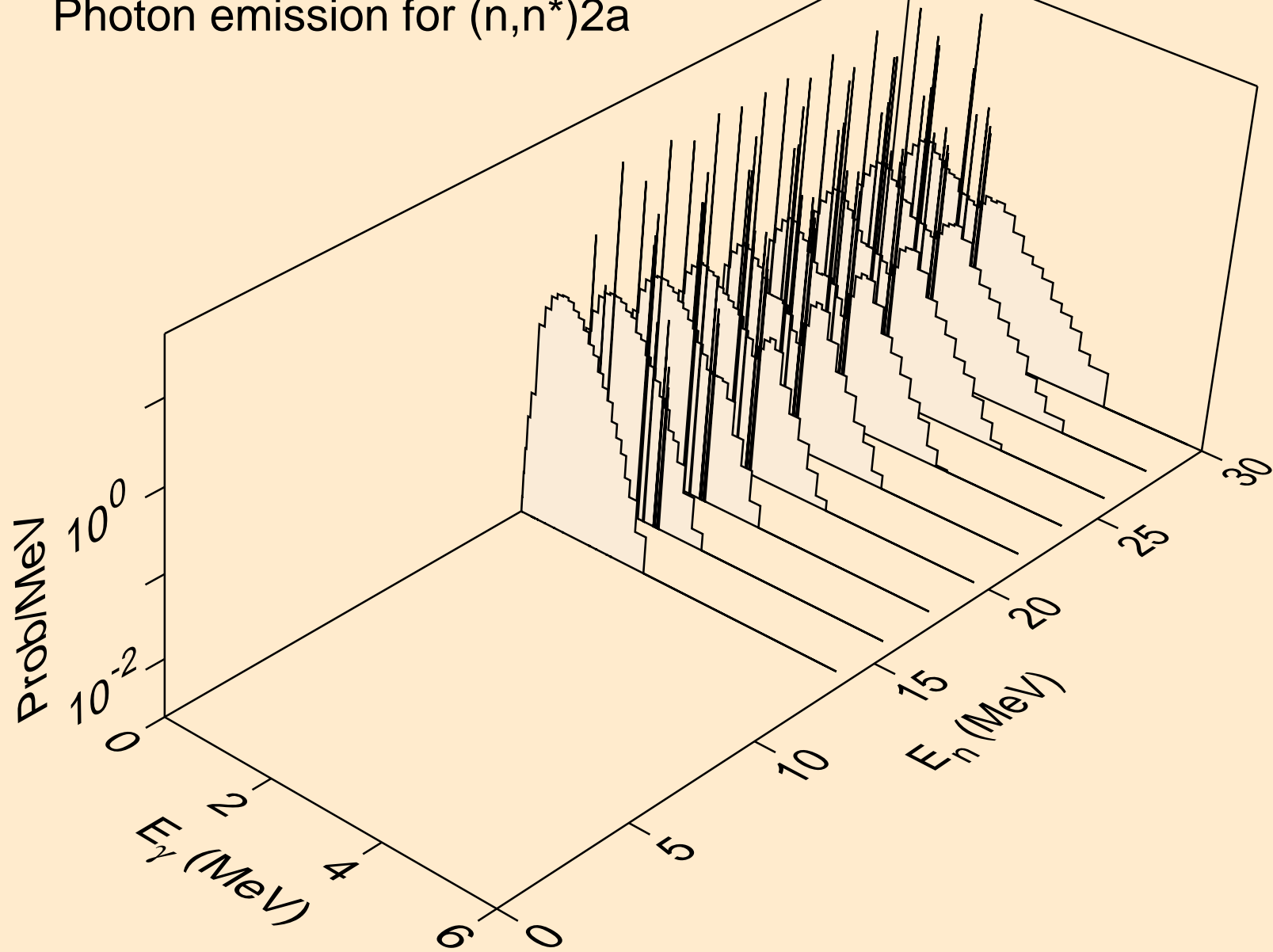
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a



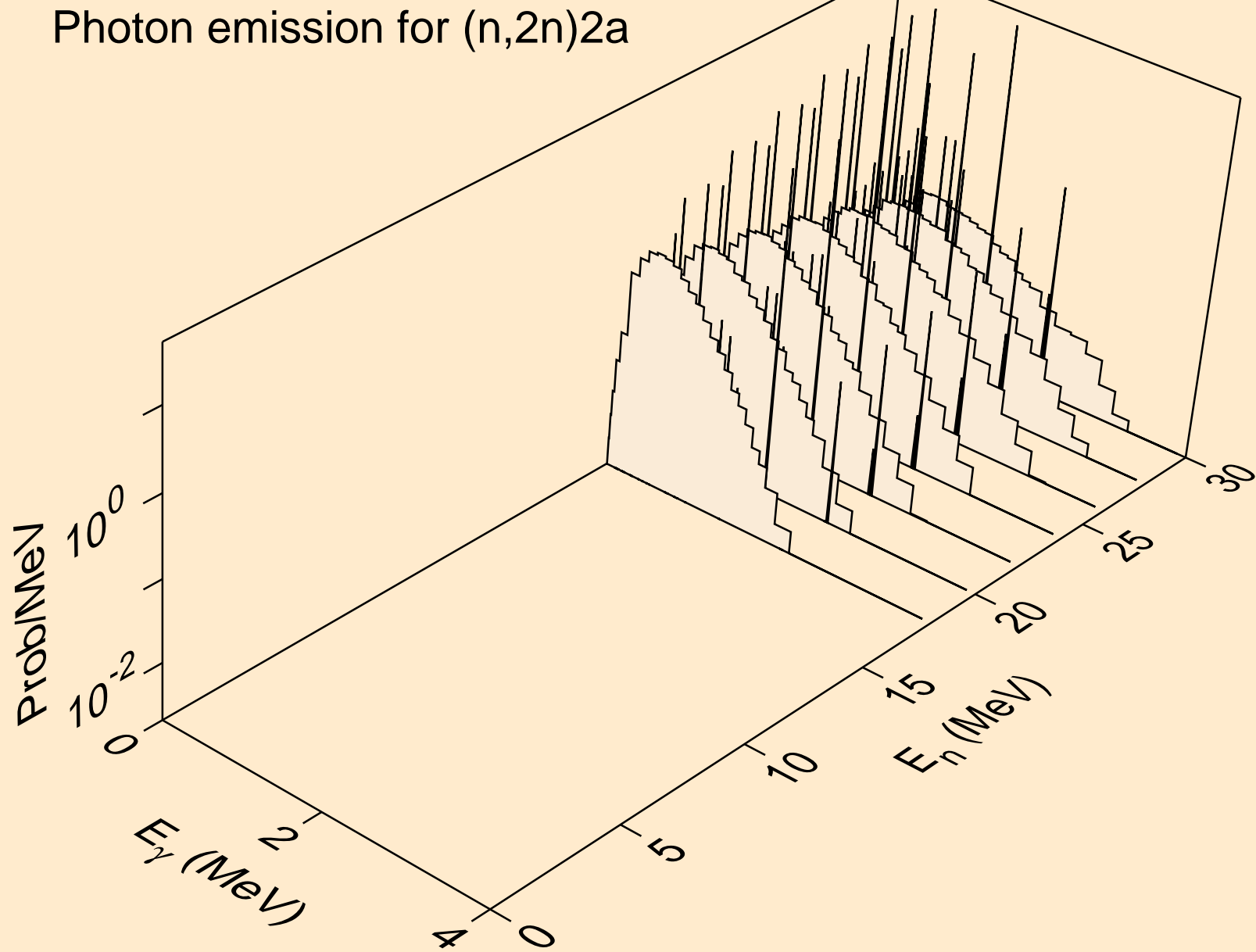
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



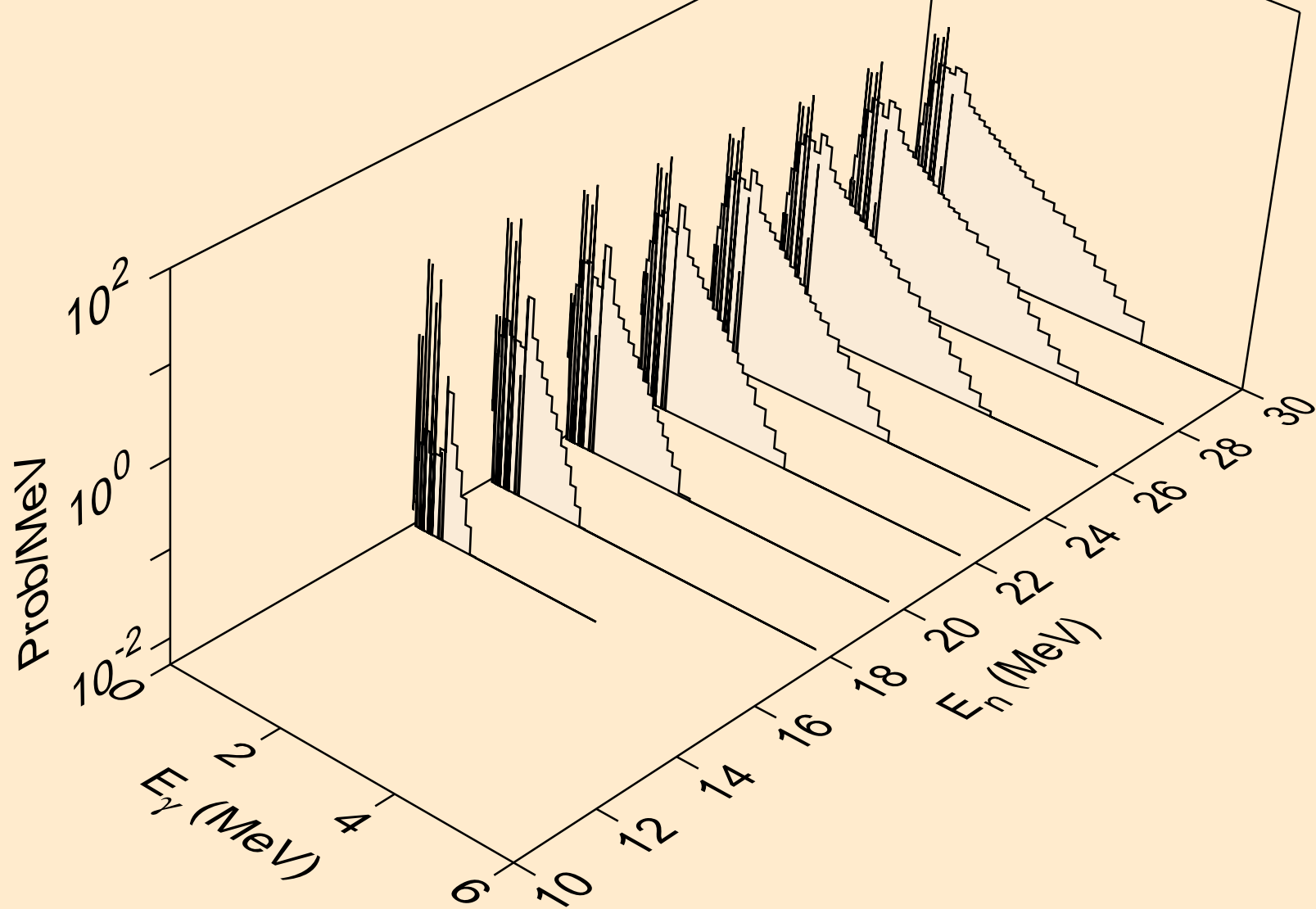
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



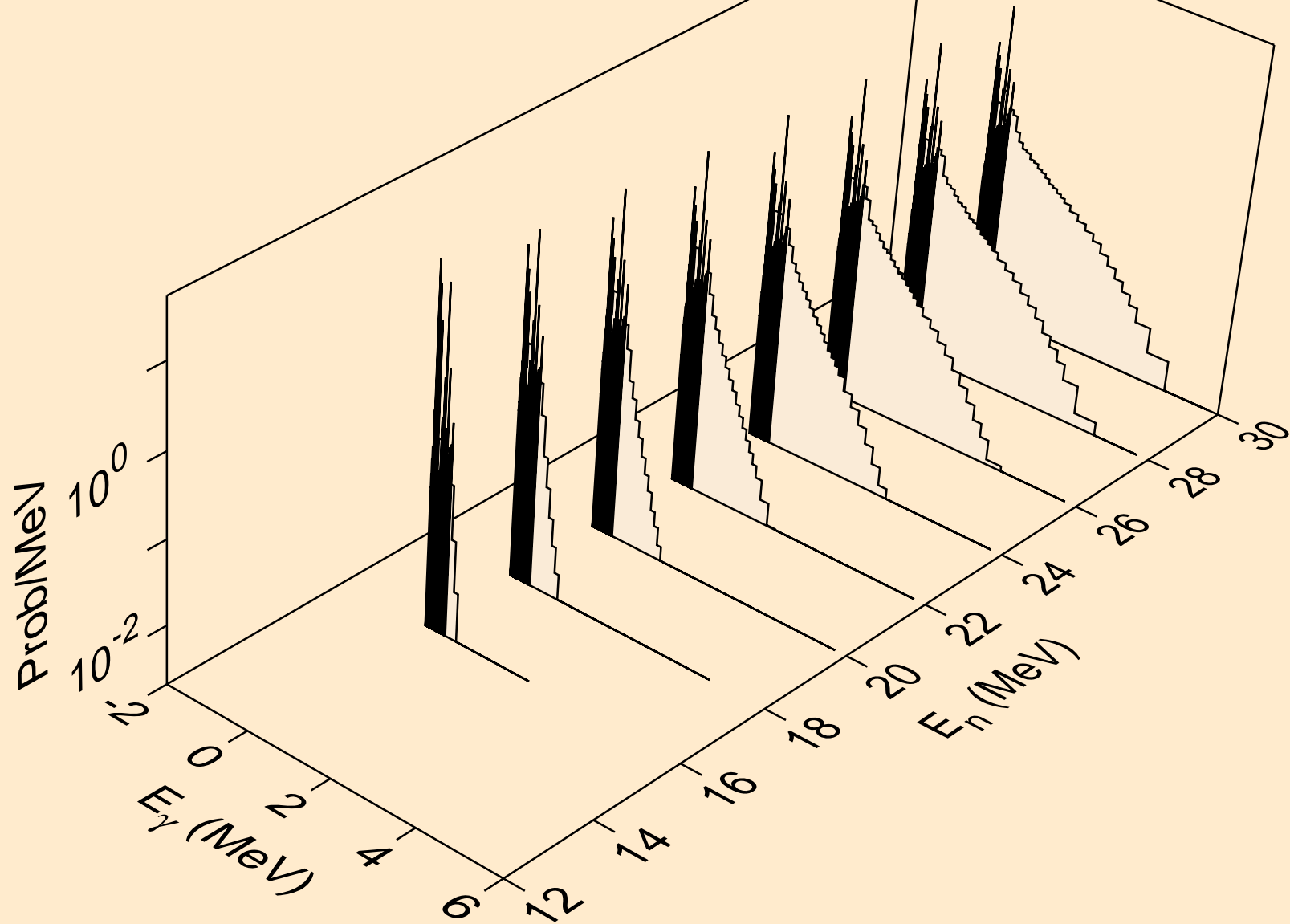
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



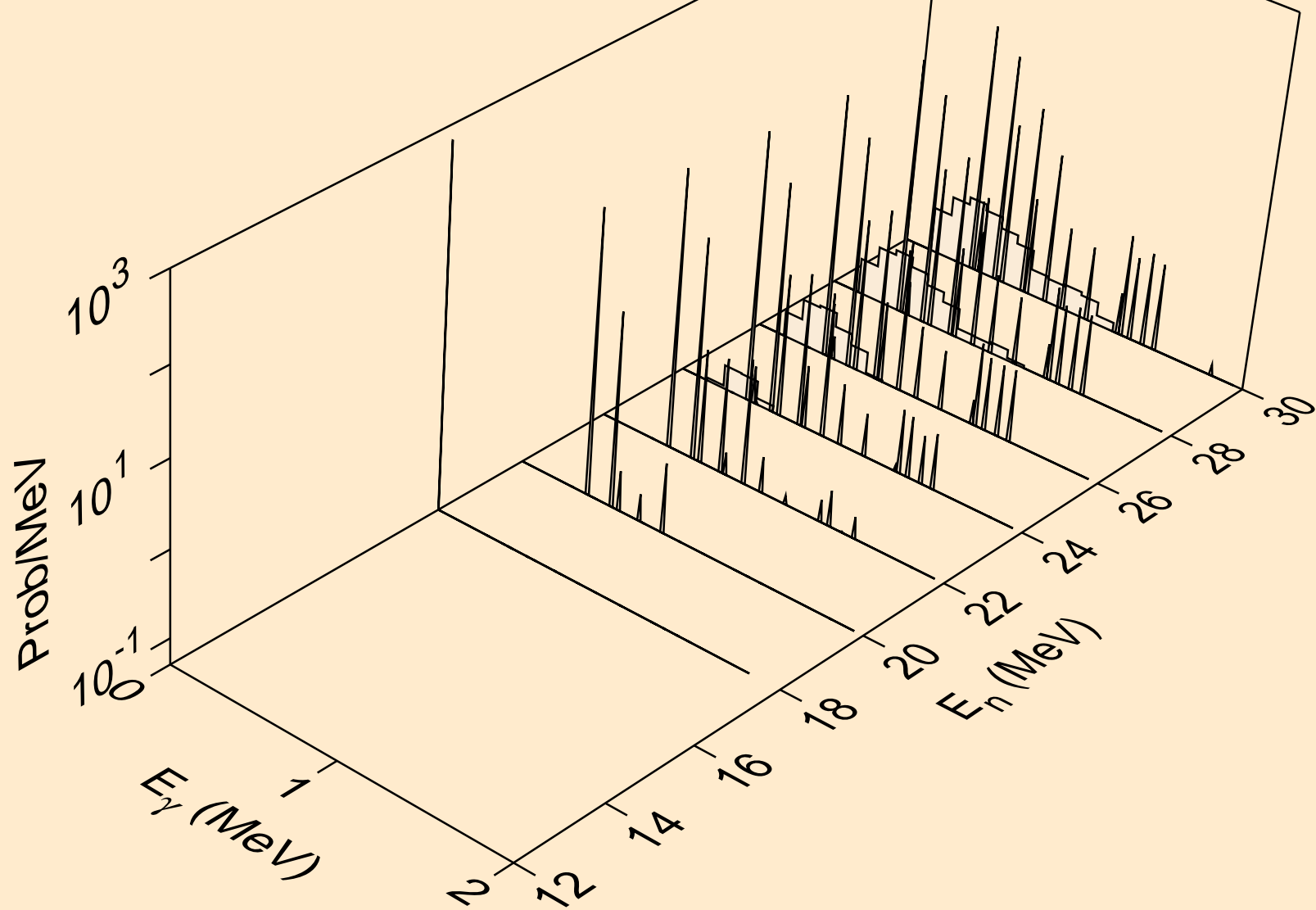
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



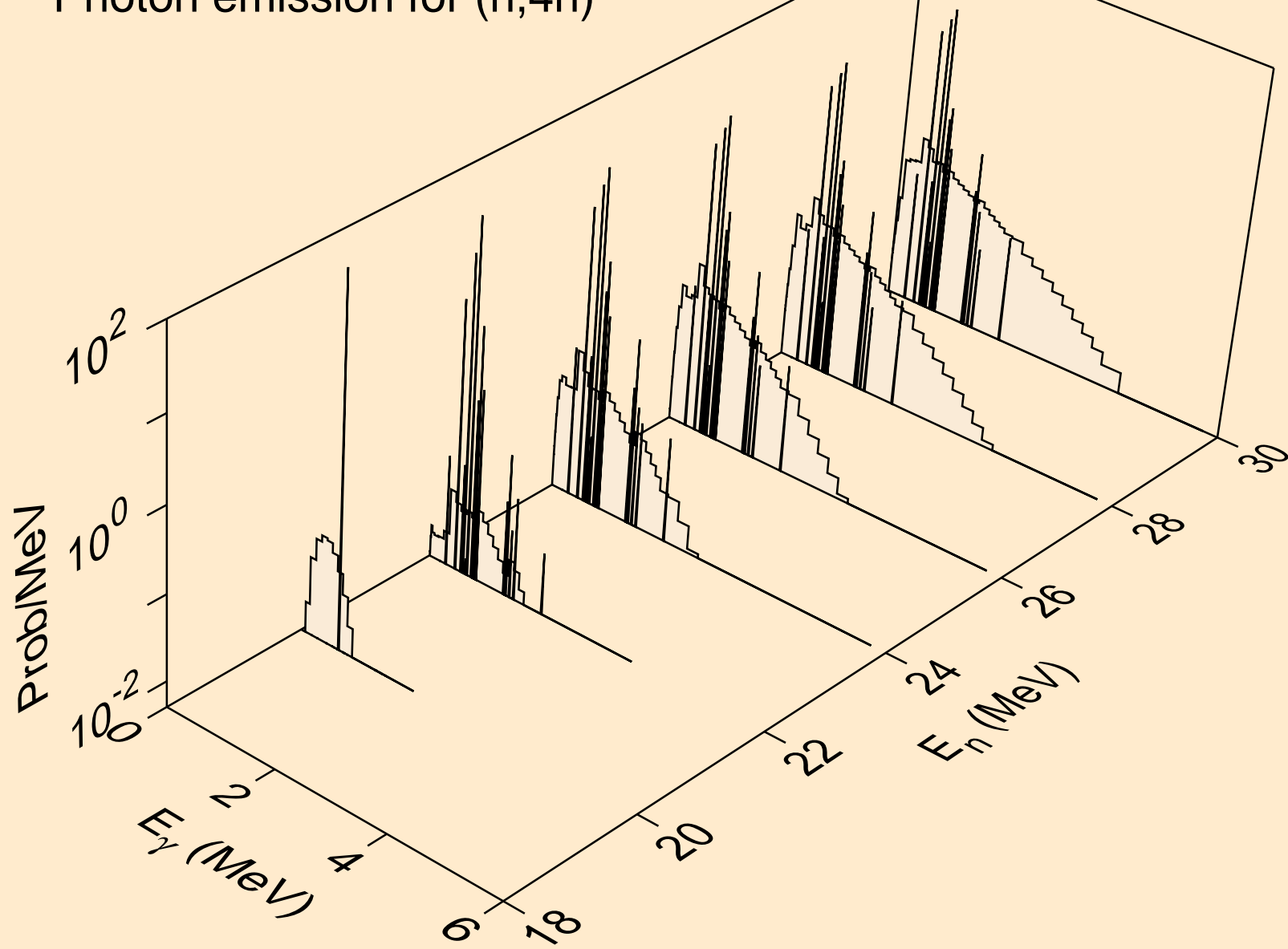
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

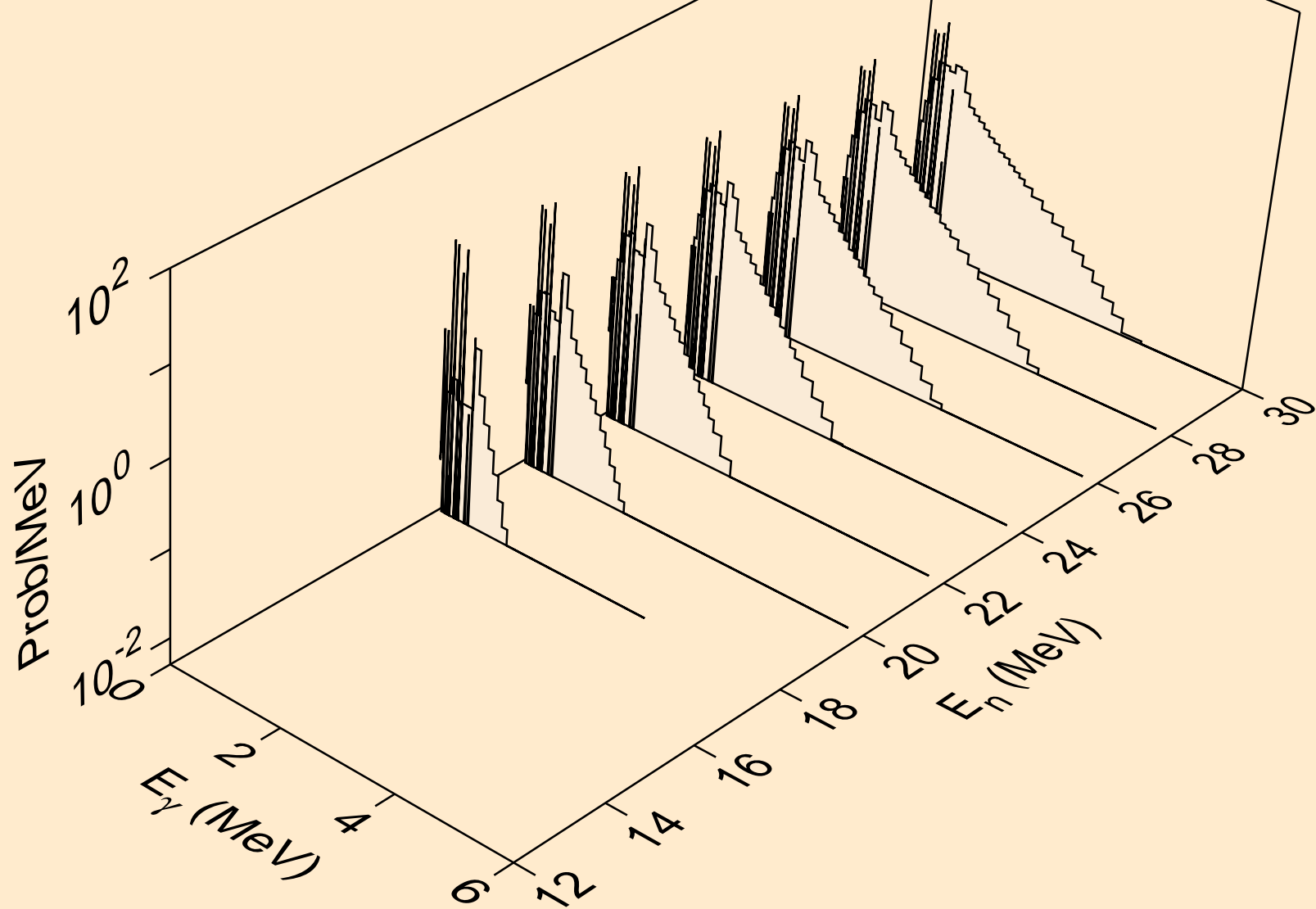


ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)

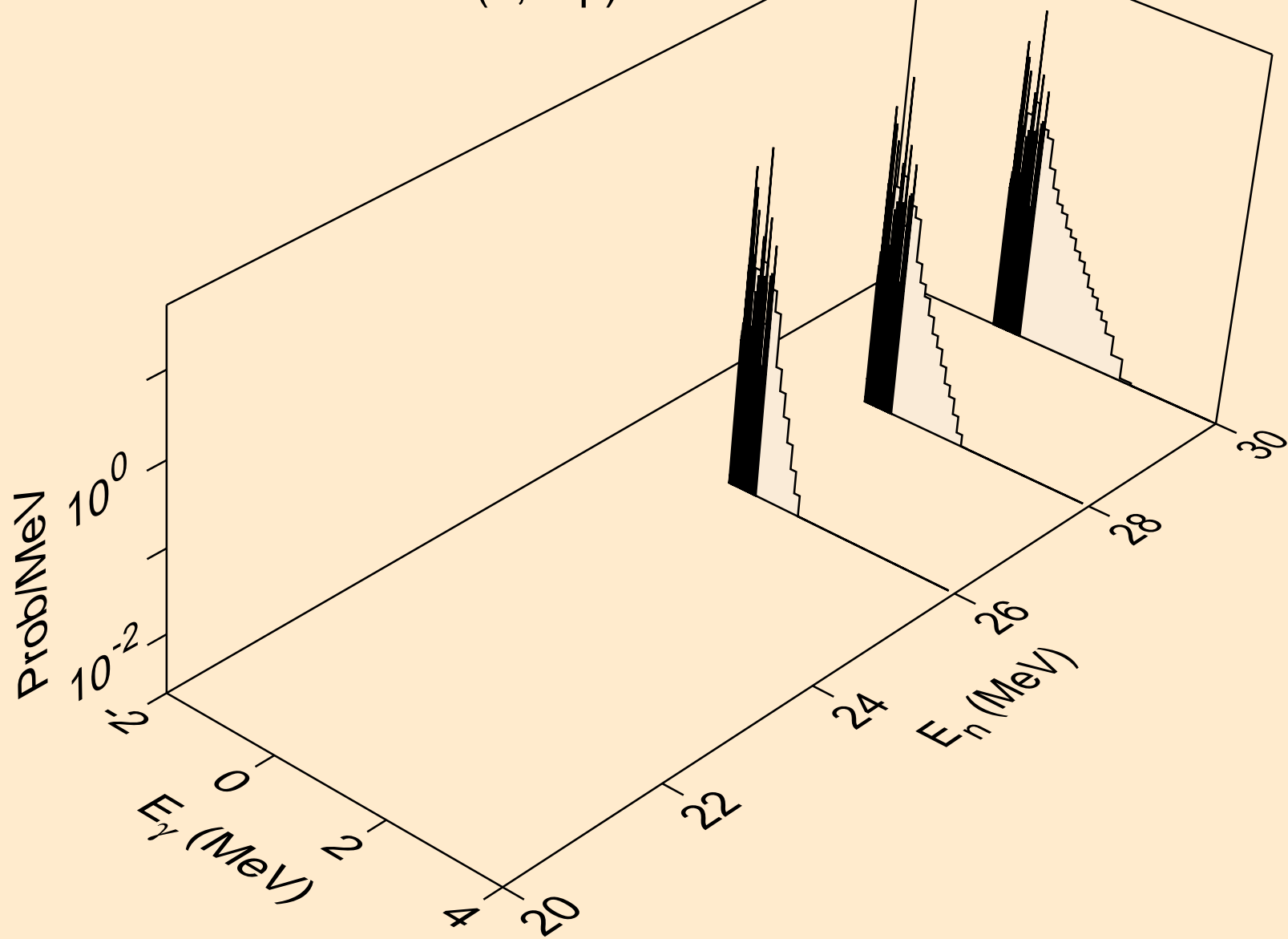




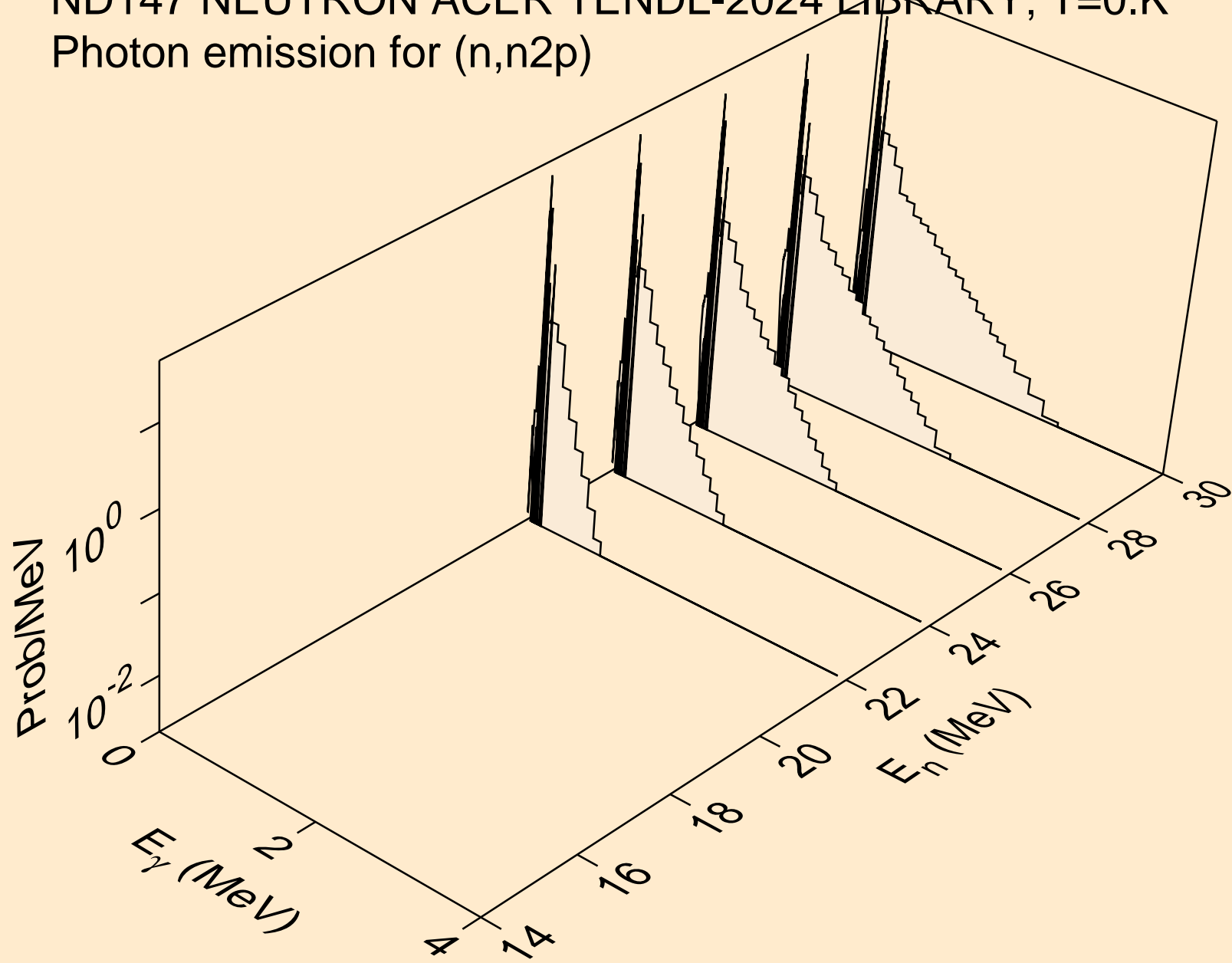
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Photon emission for (n,2np)



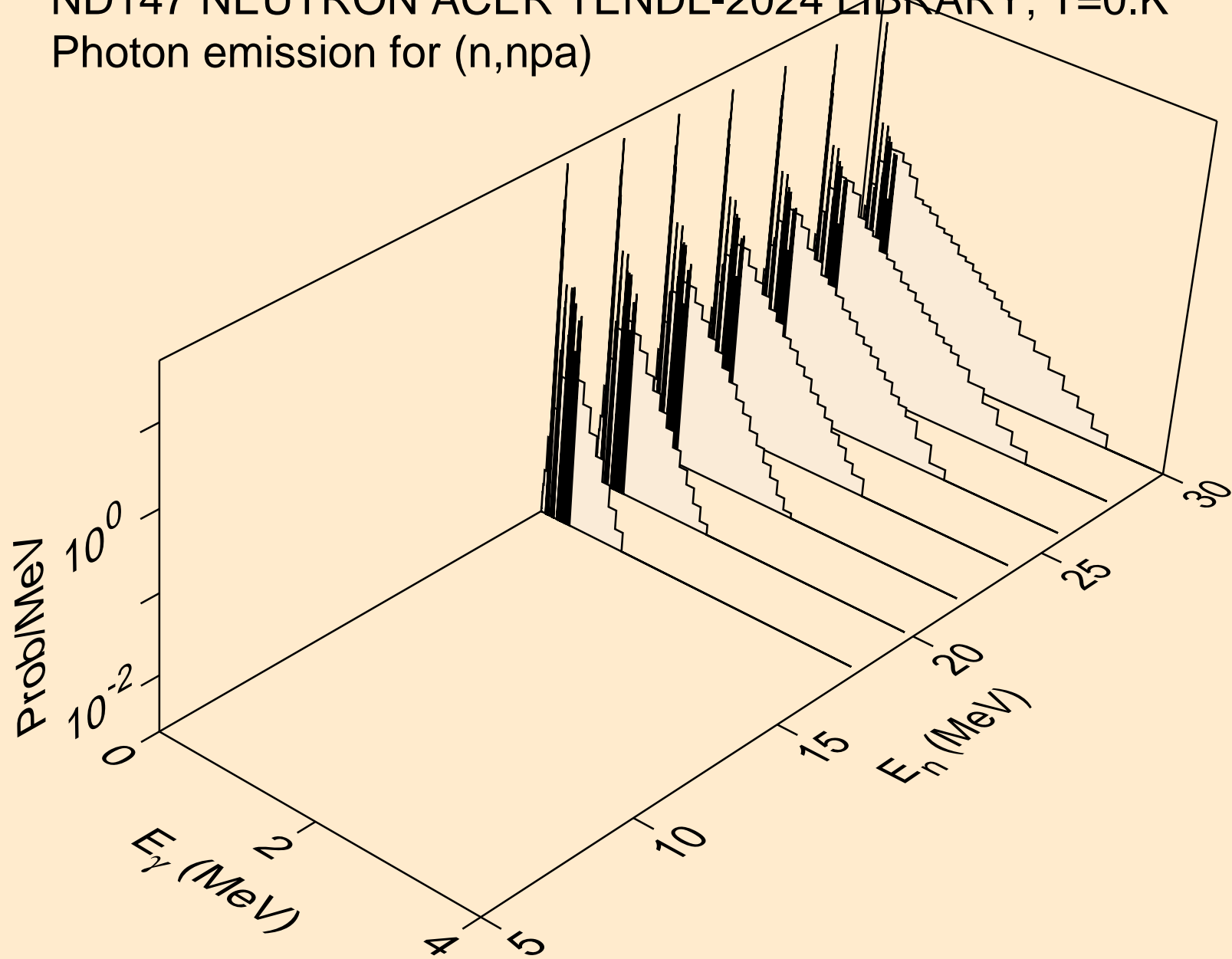
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Photon emission for (n,3np)



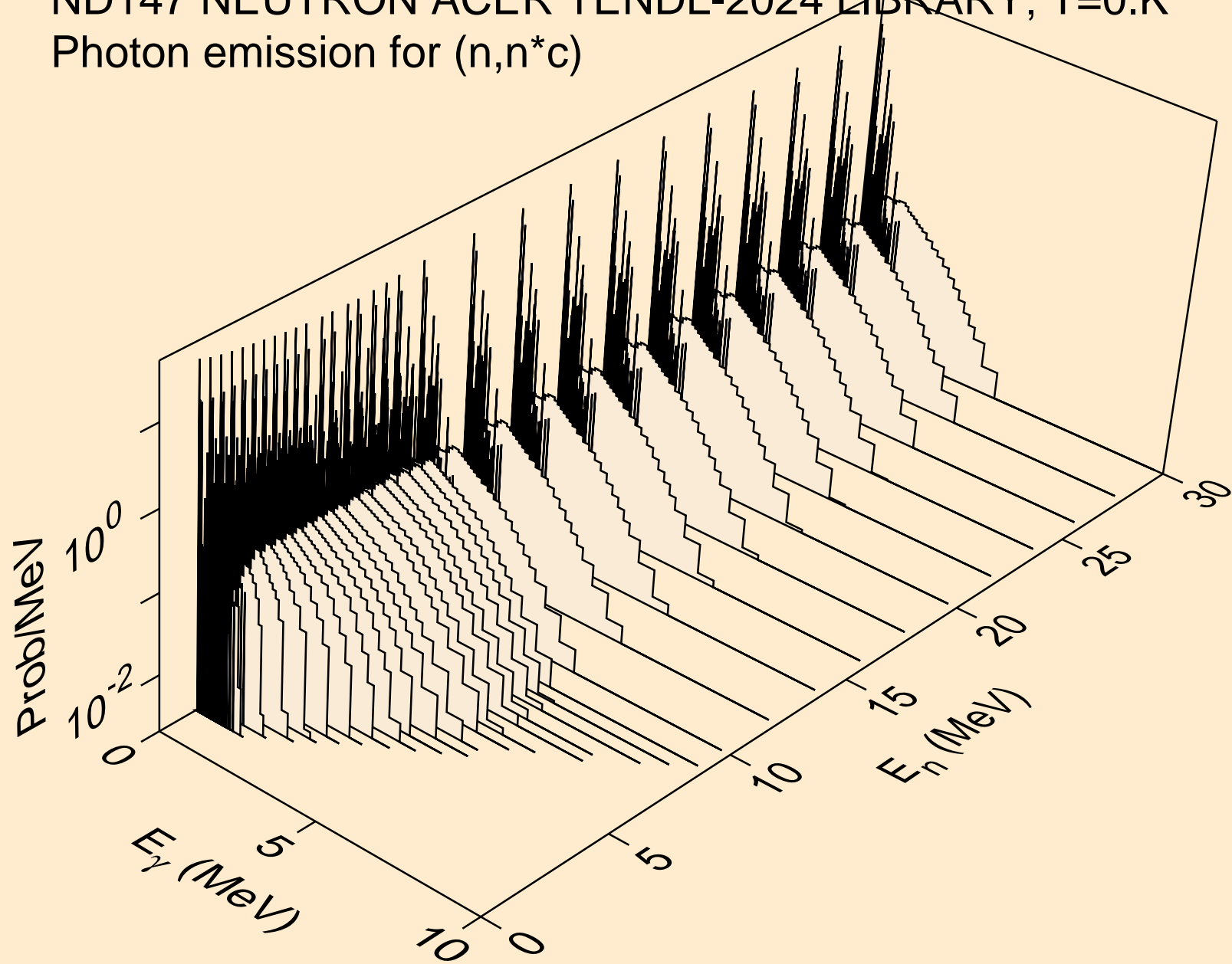
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



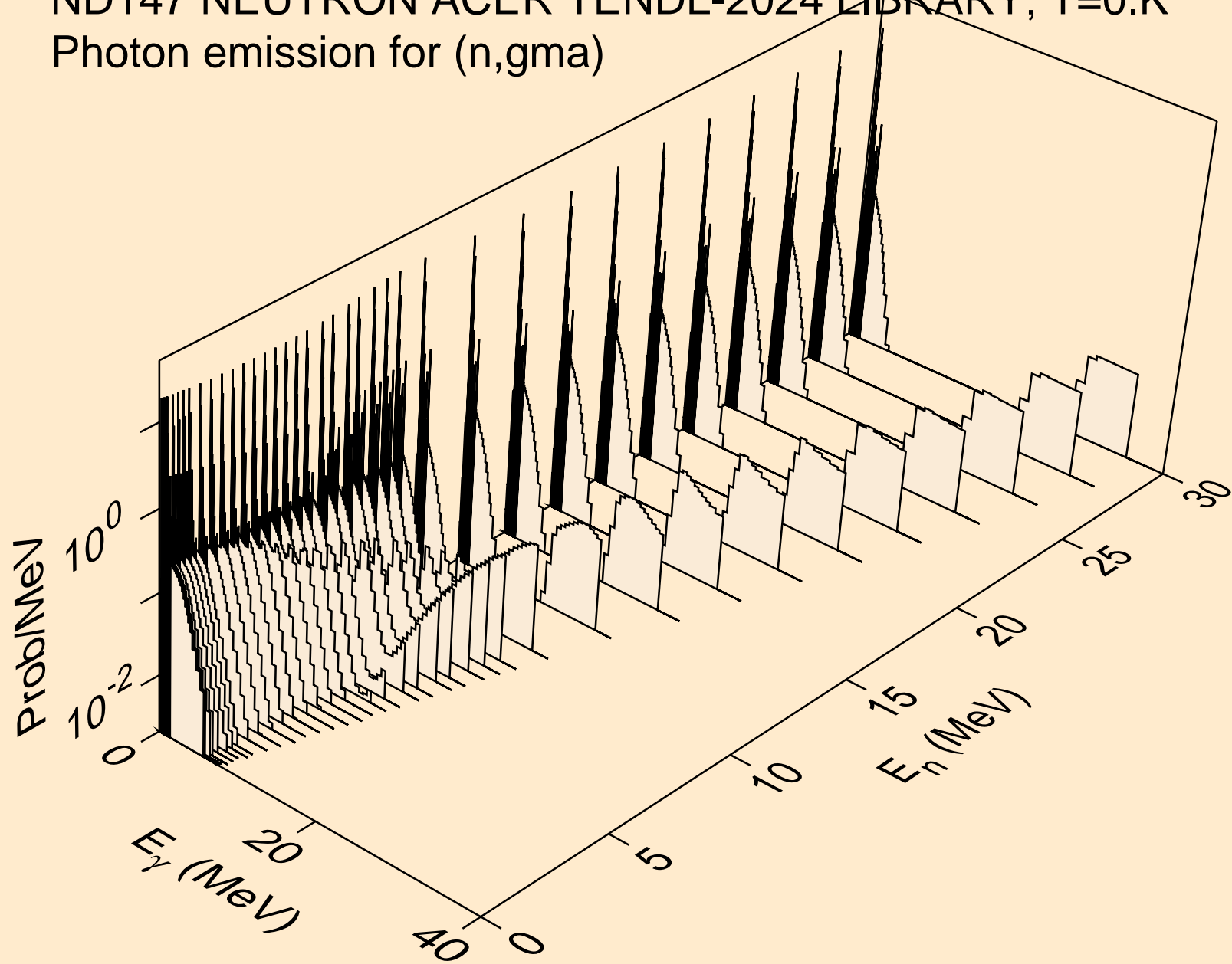
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Photon emission for (n,npa)



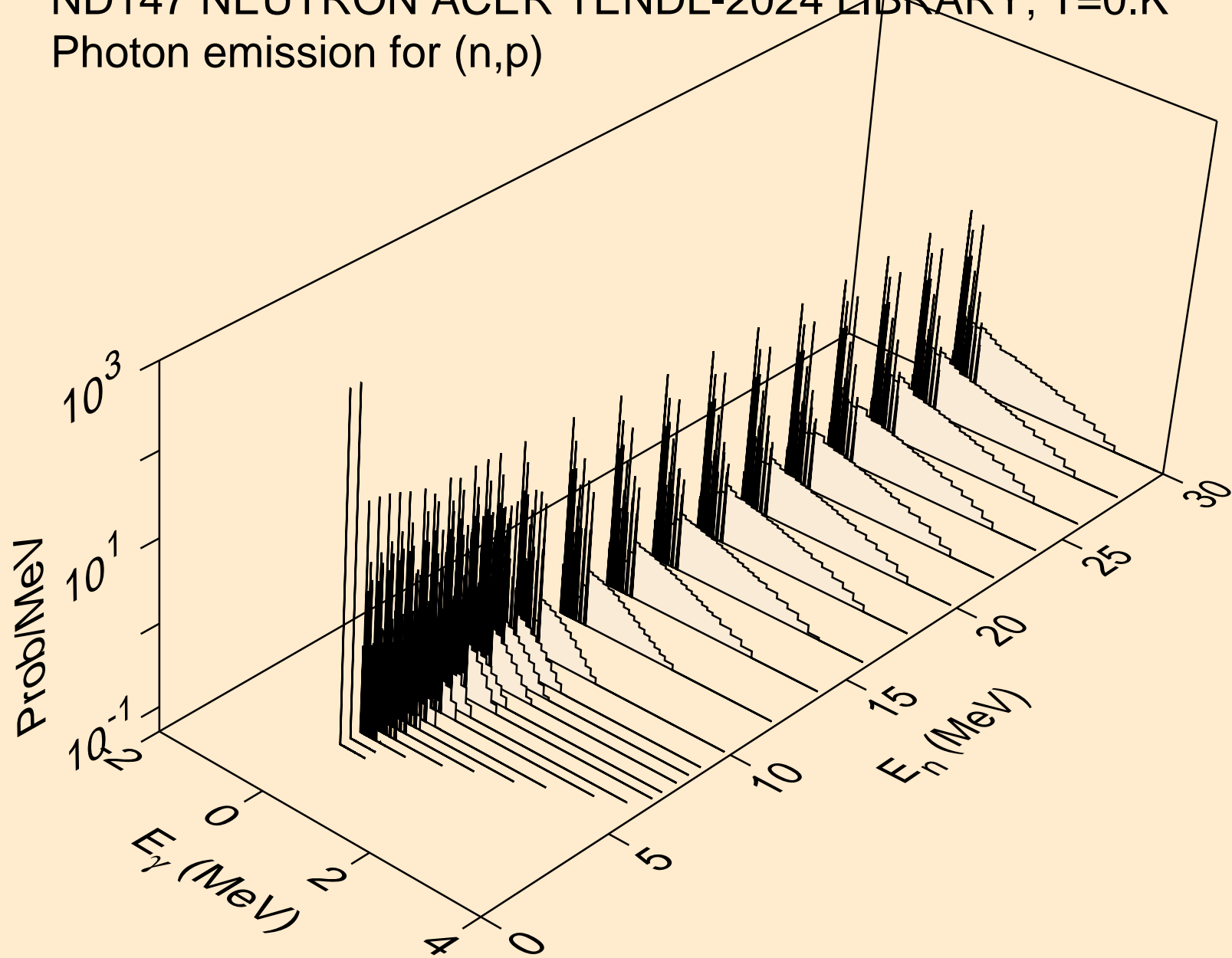
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



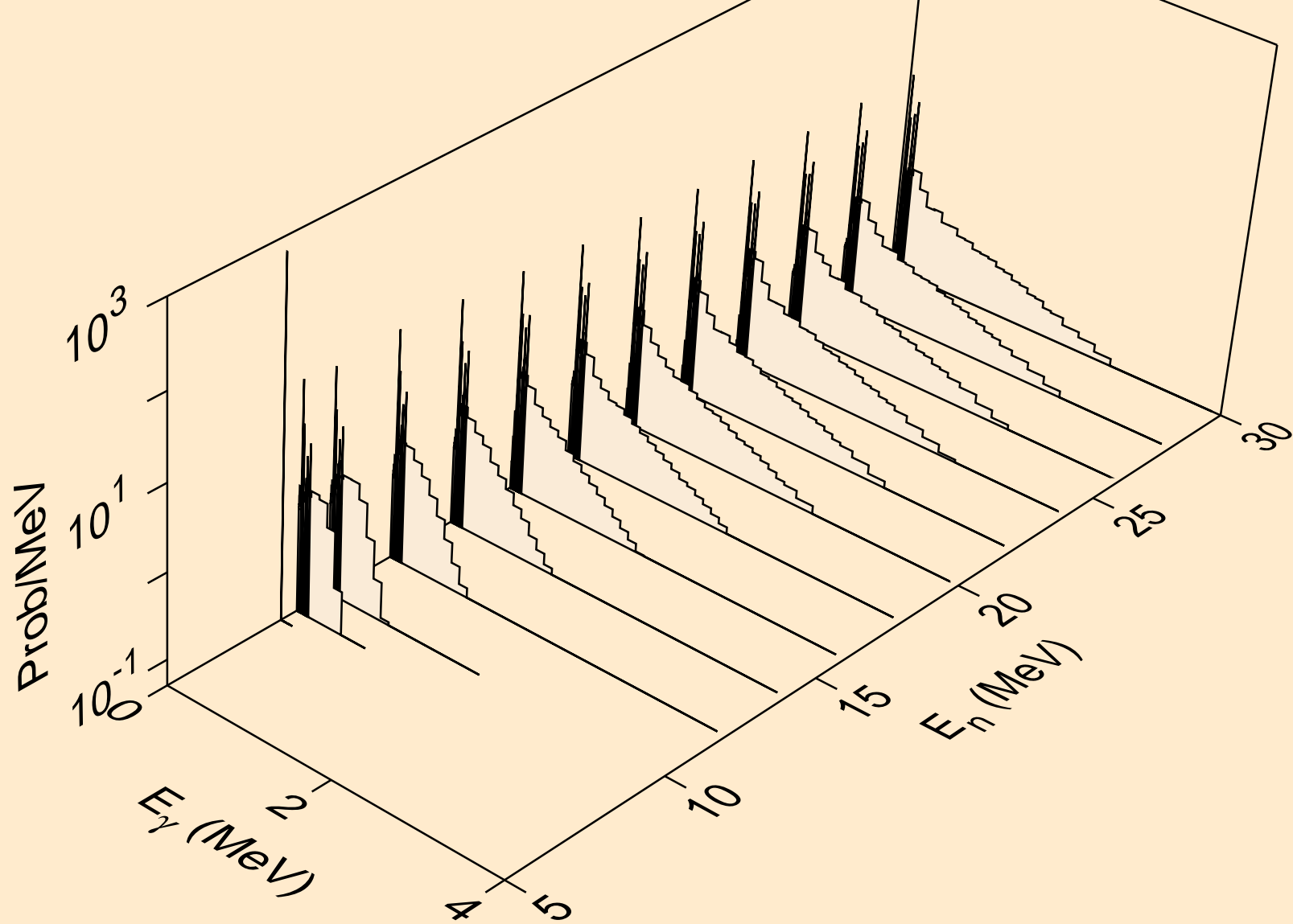
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)

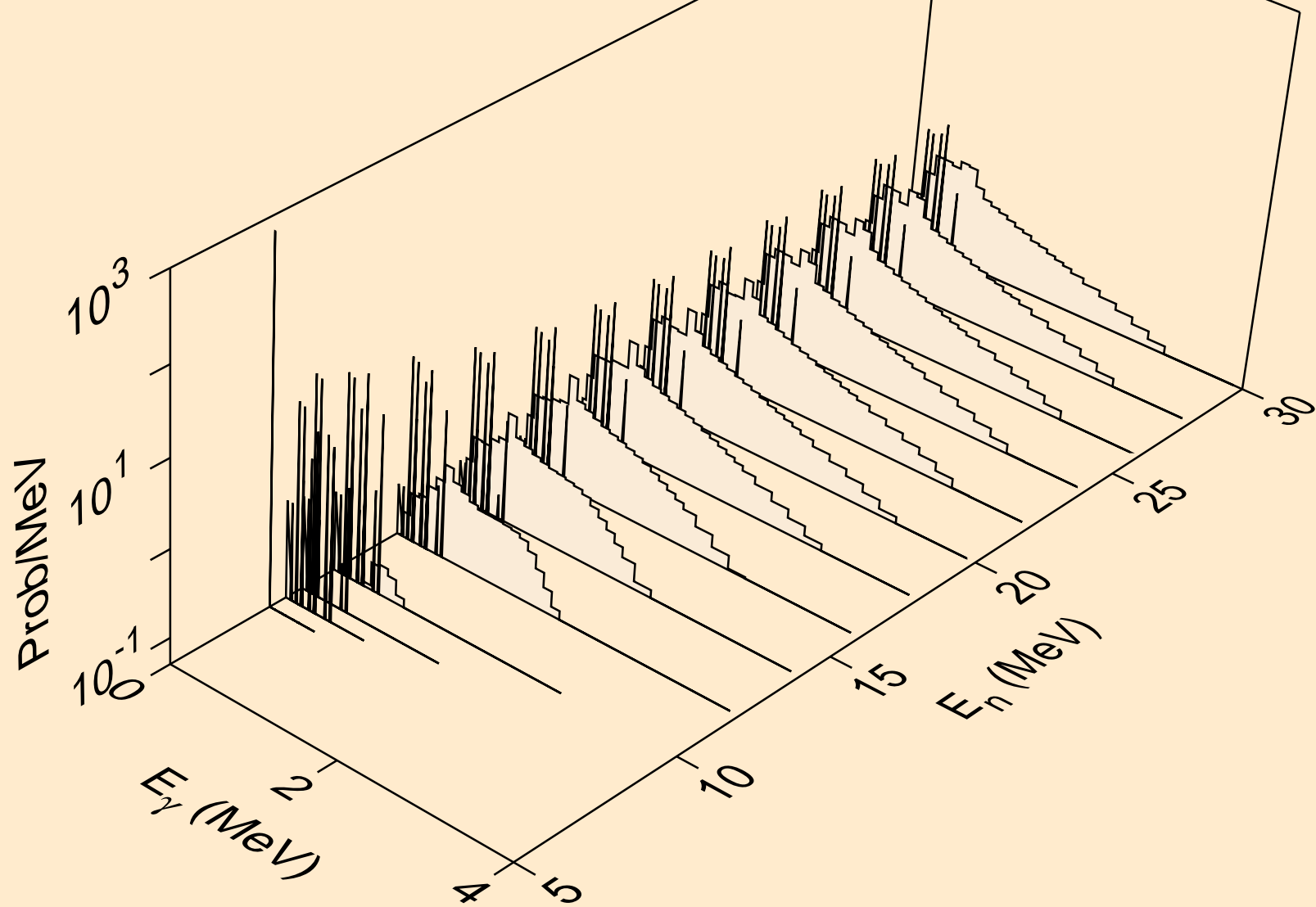


ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)

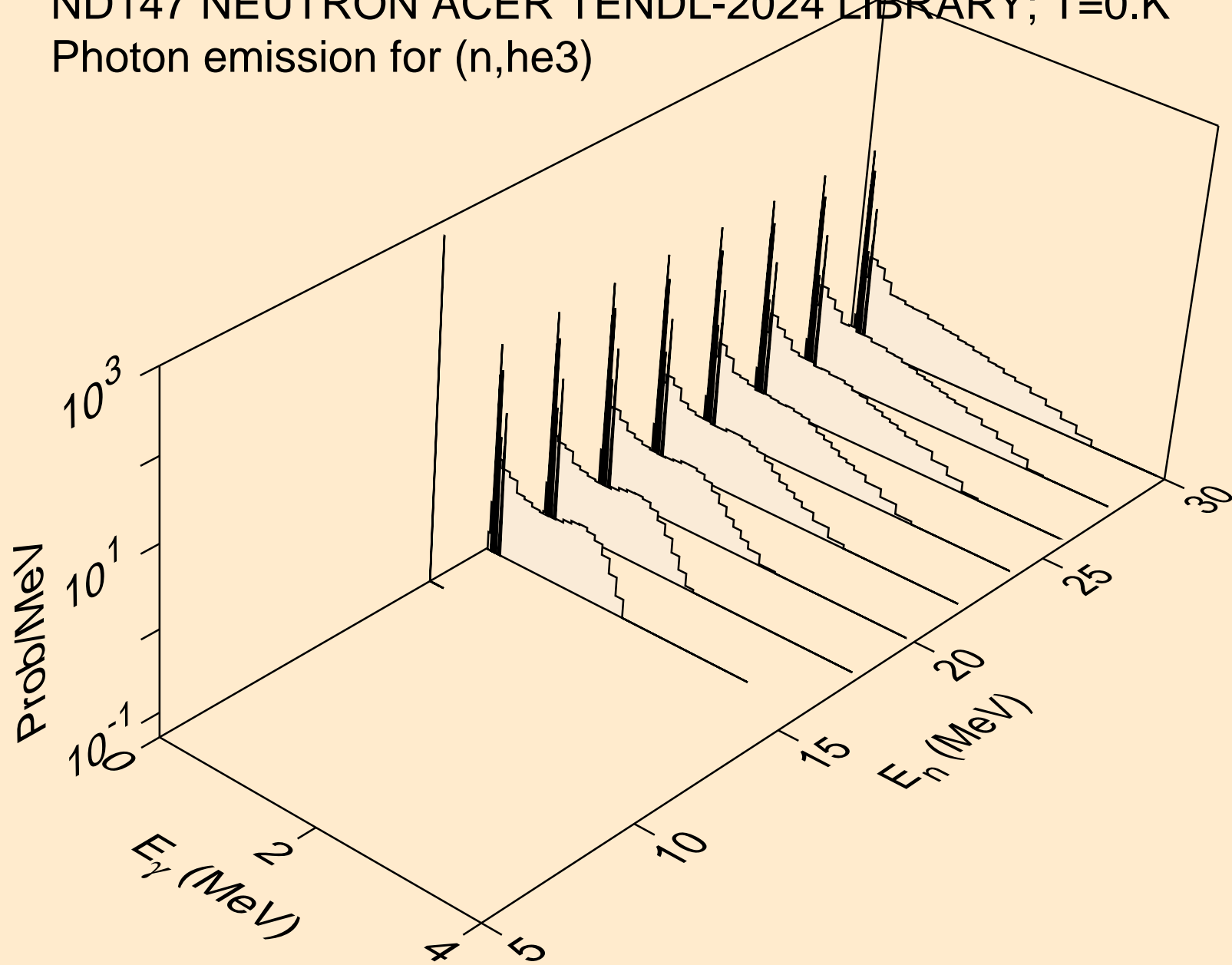




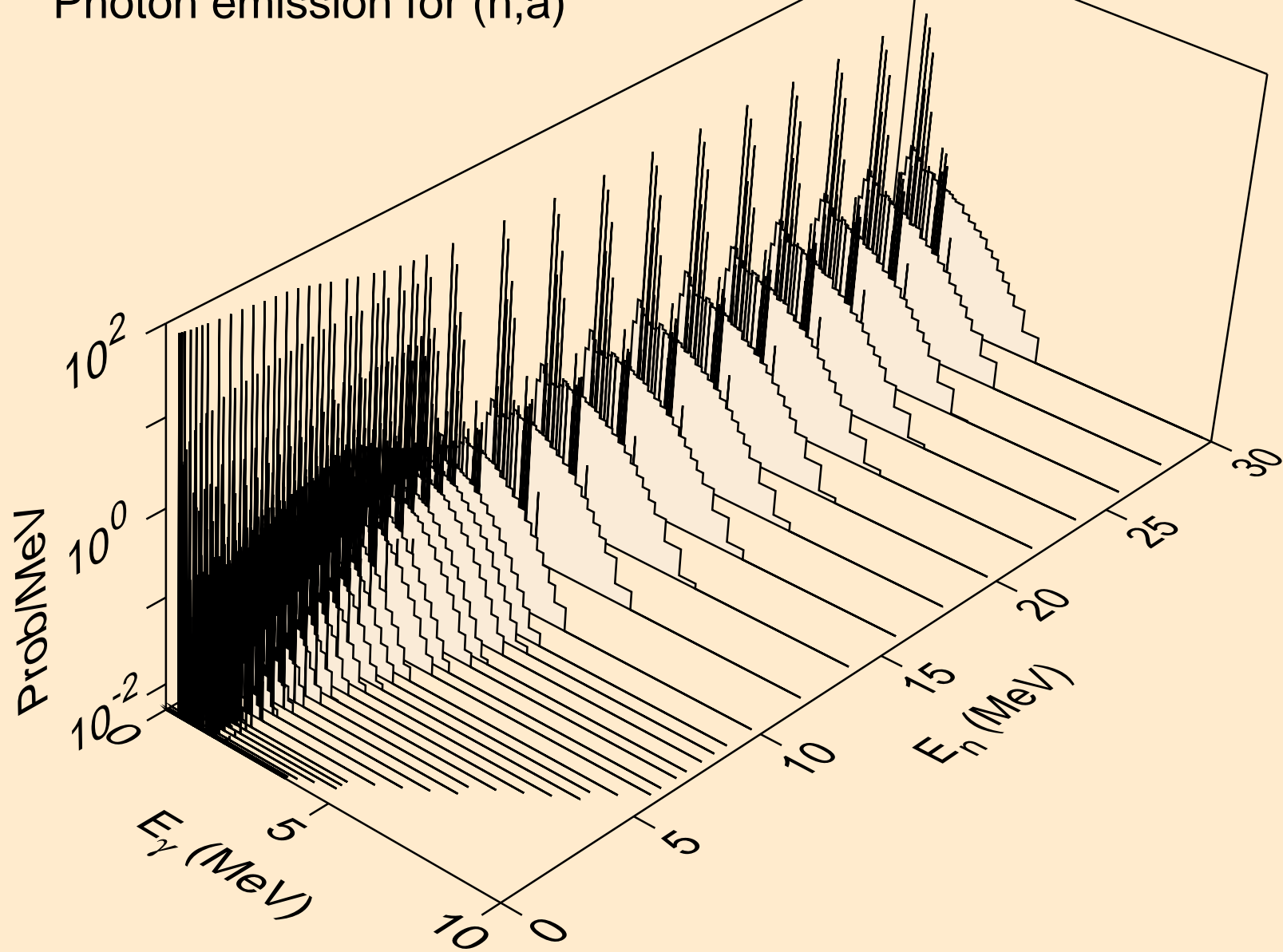
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



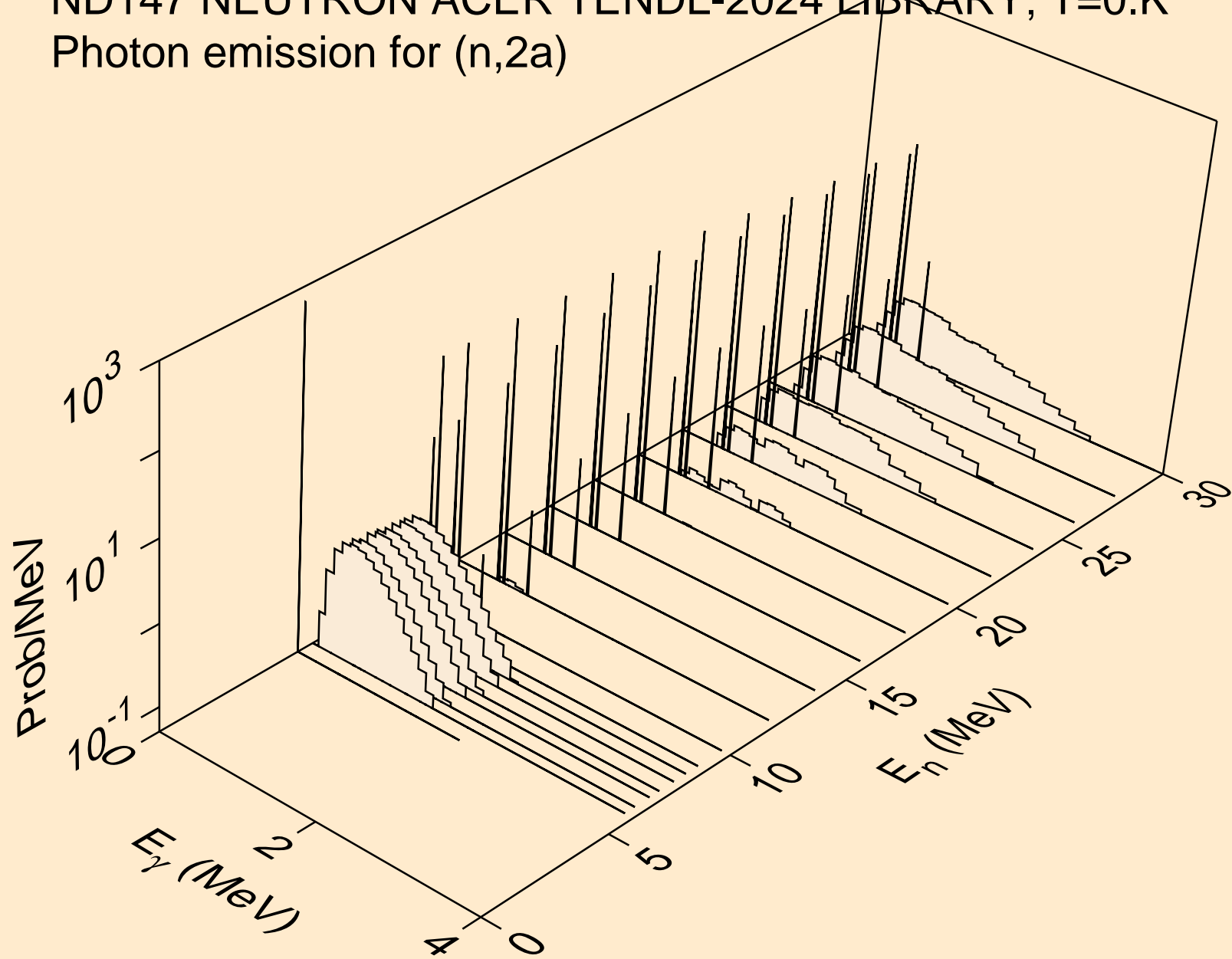
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



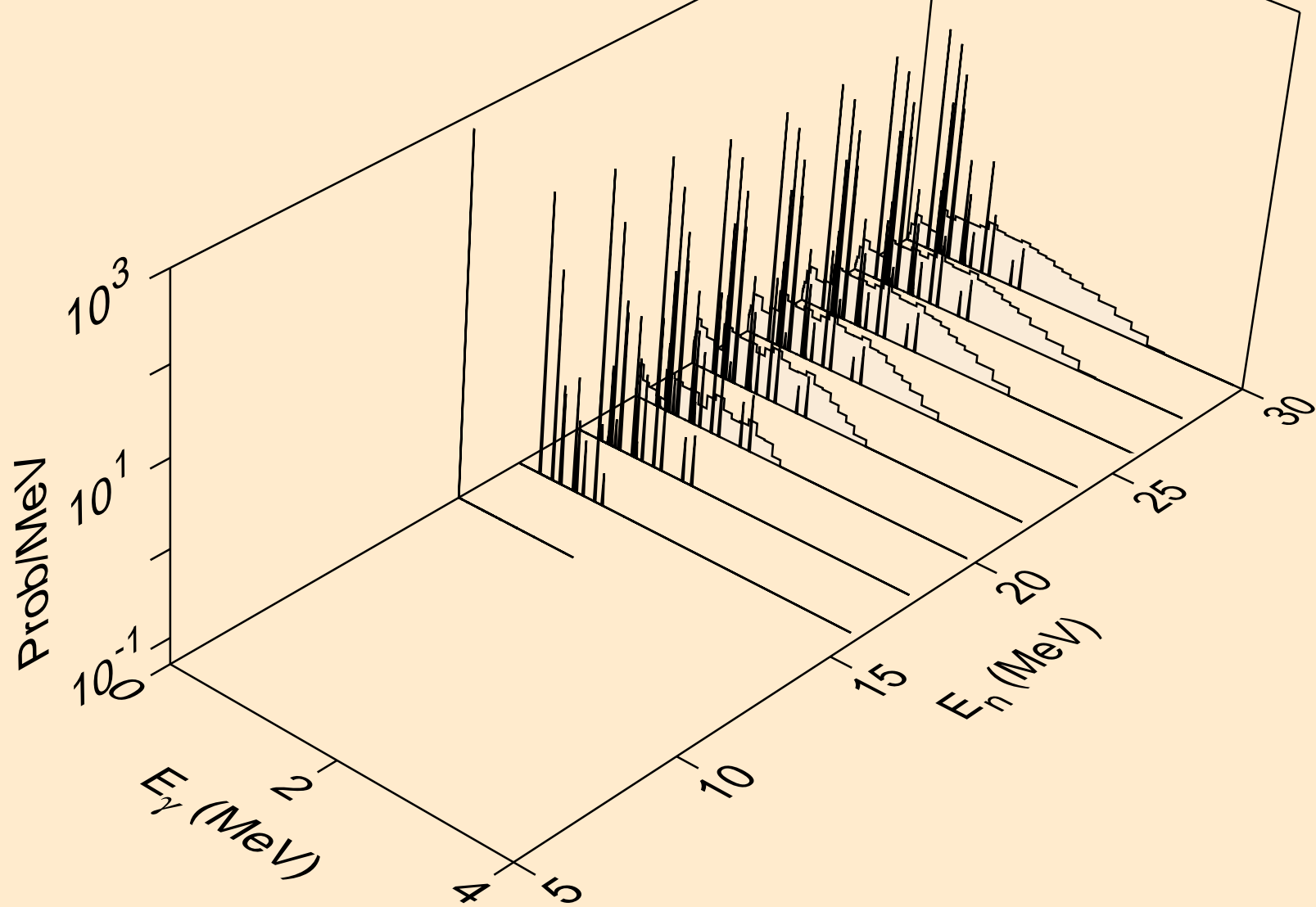
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



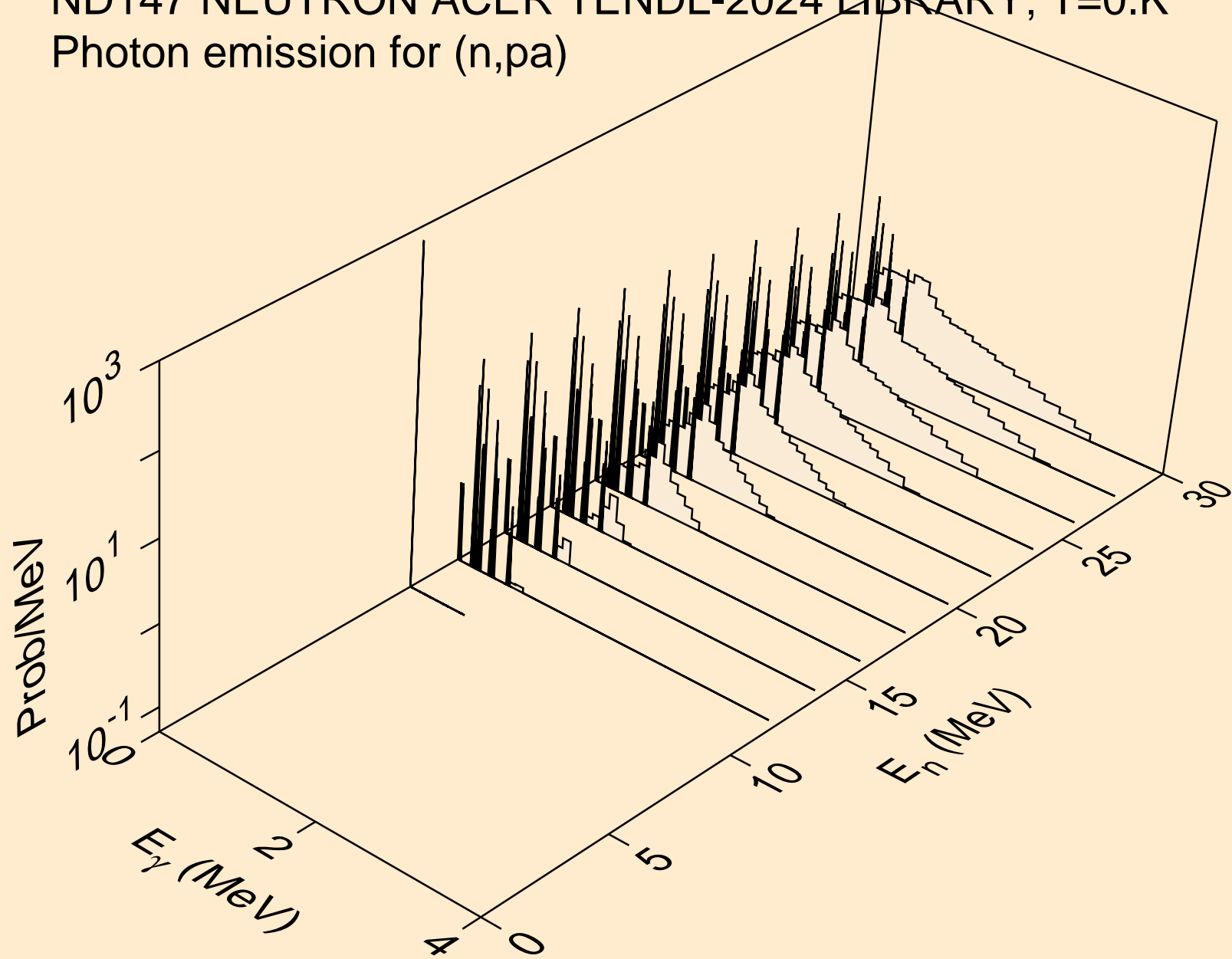
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Photon emission for (n,2a)



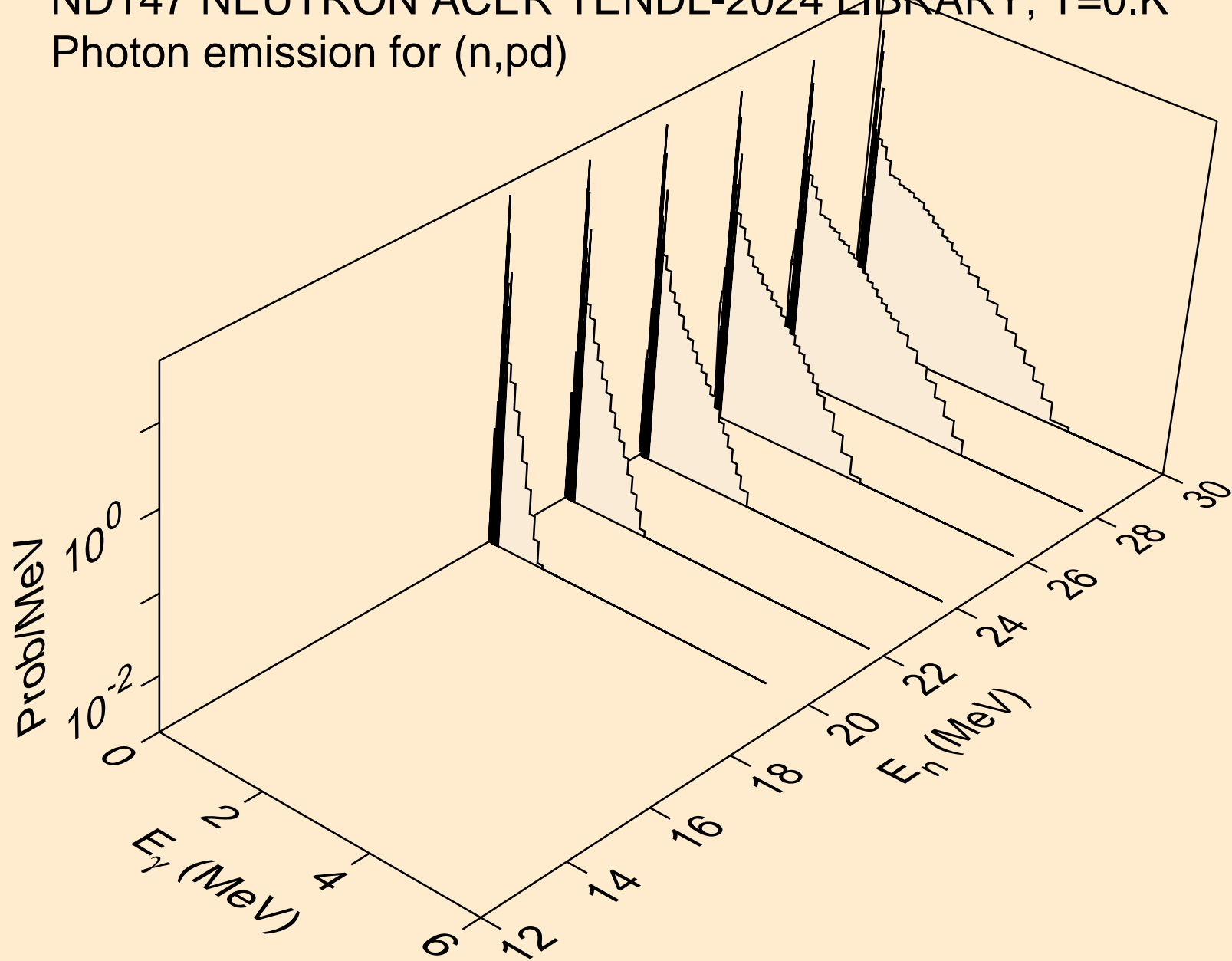
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Photon emission for (n,2p)



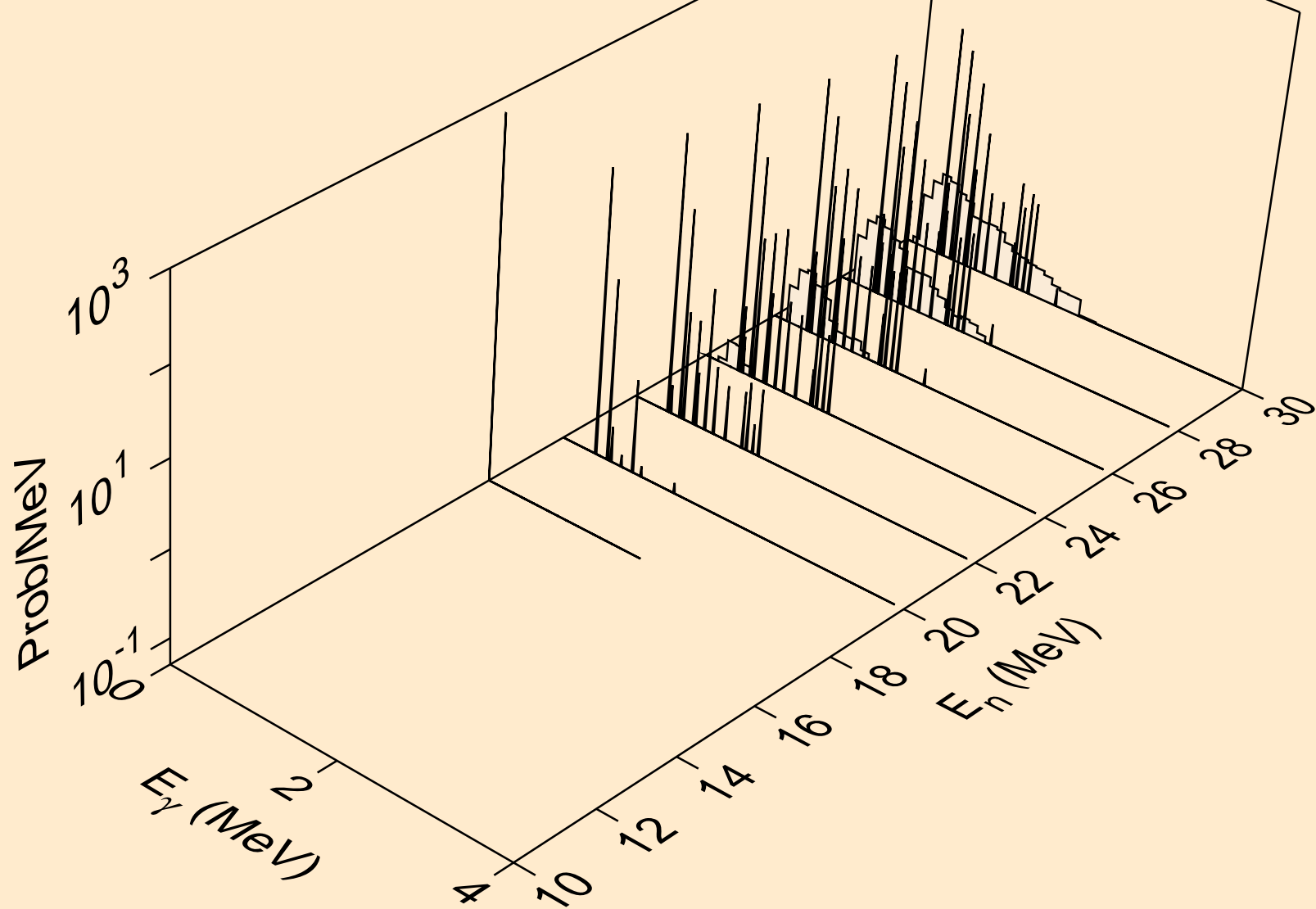
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)

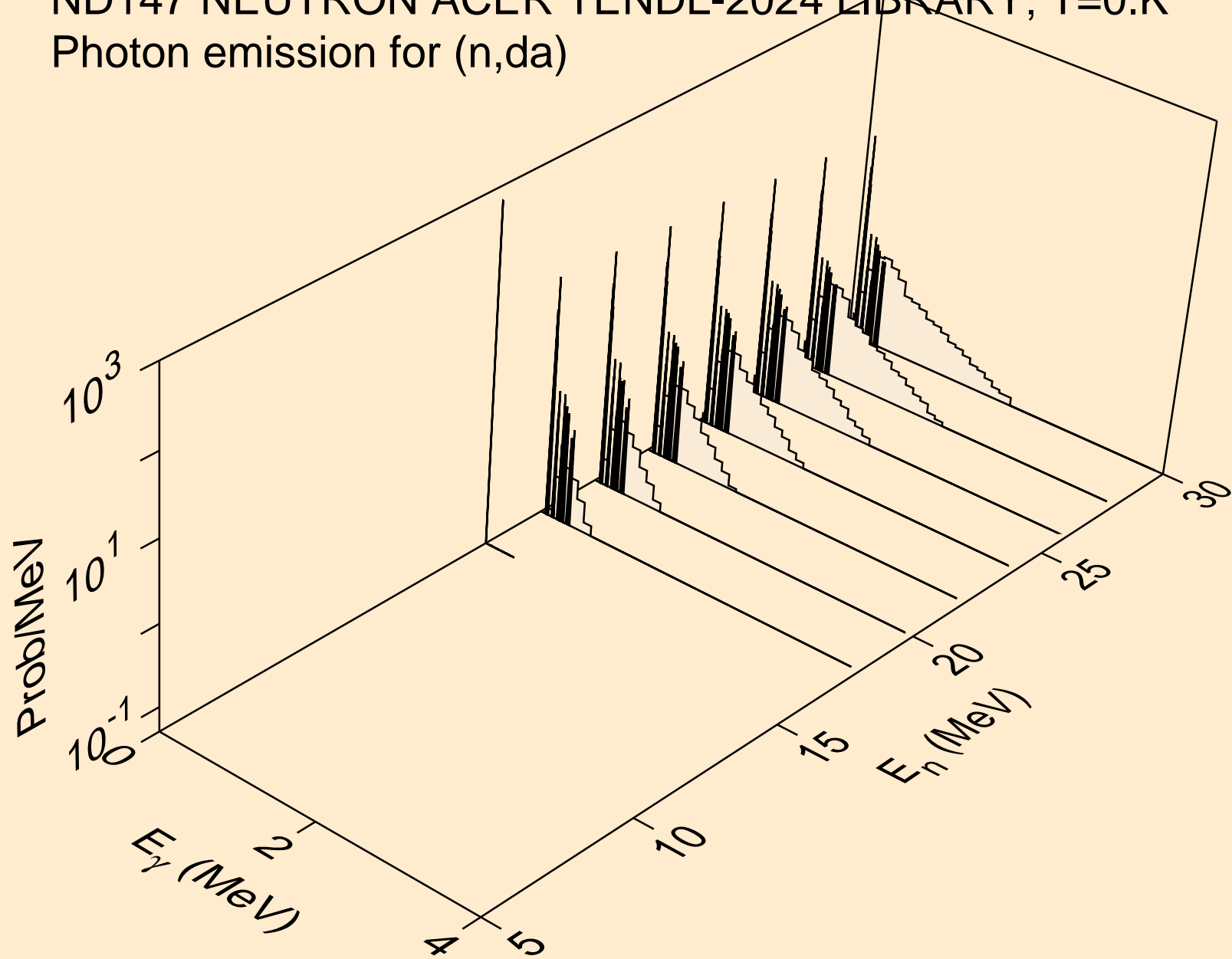


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Photon emission for (n,pt)

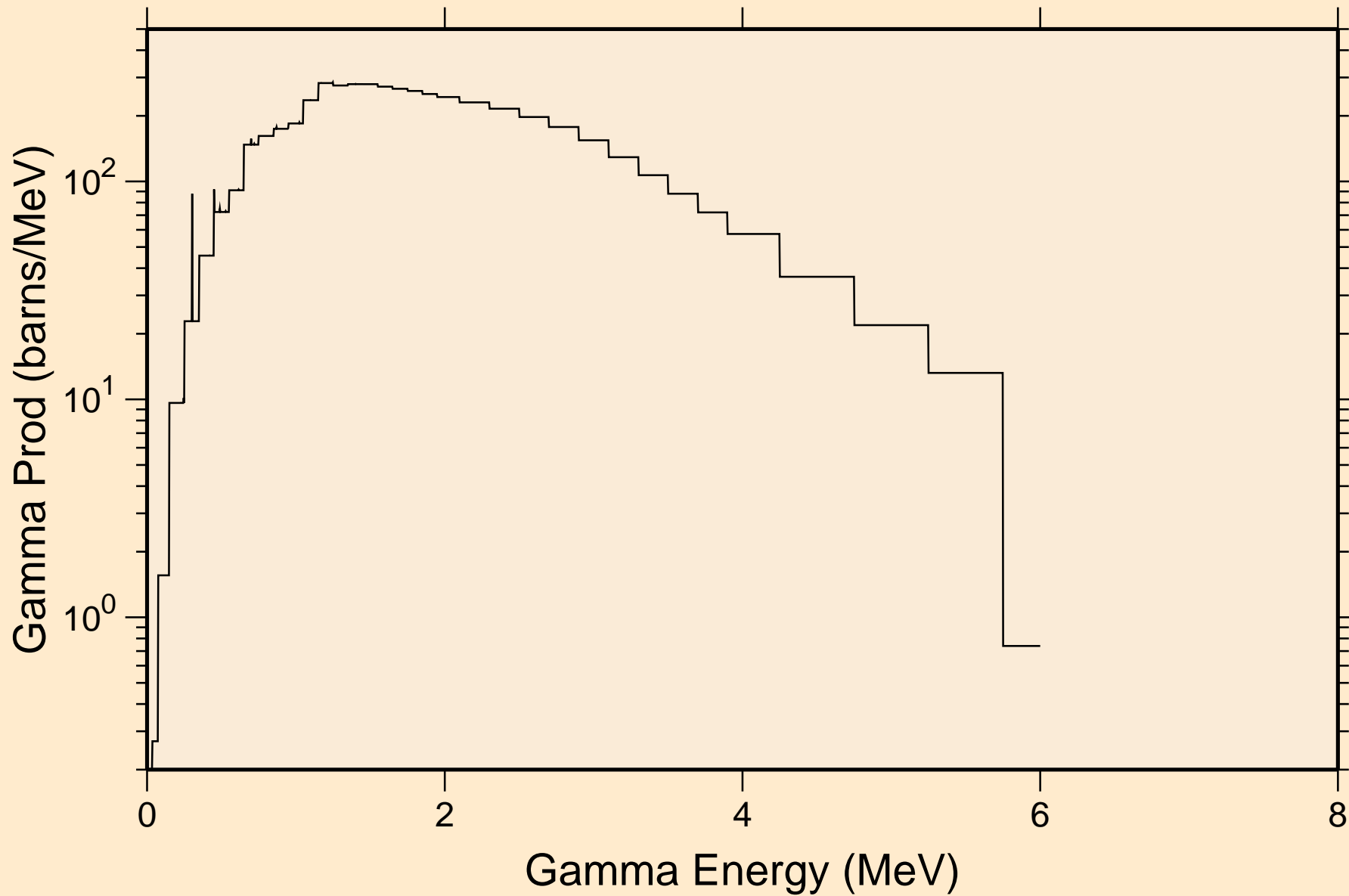




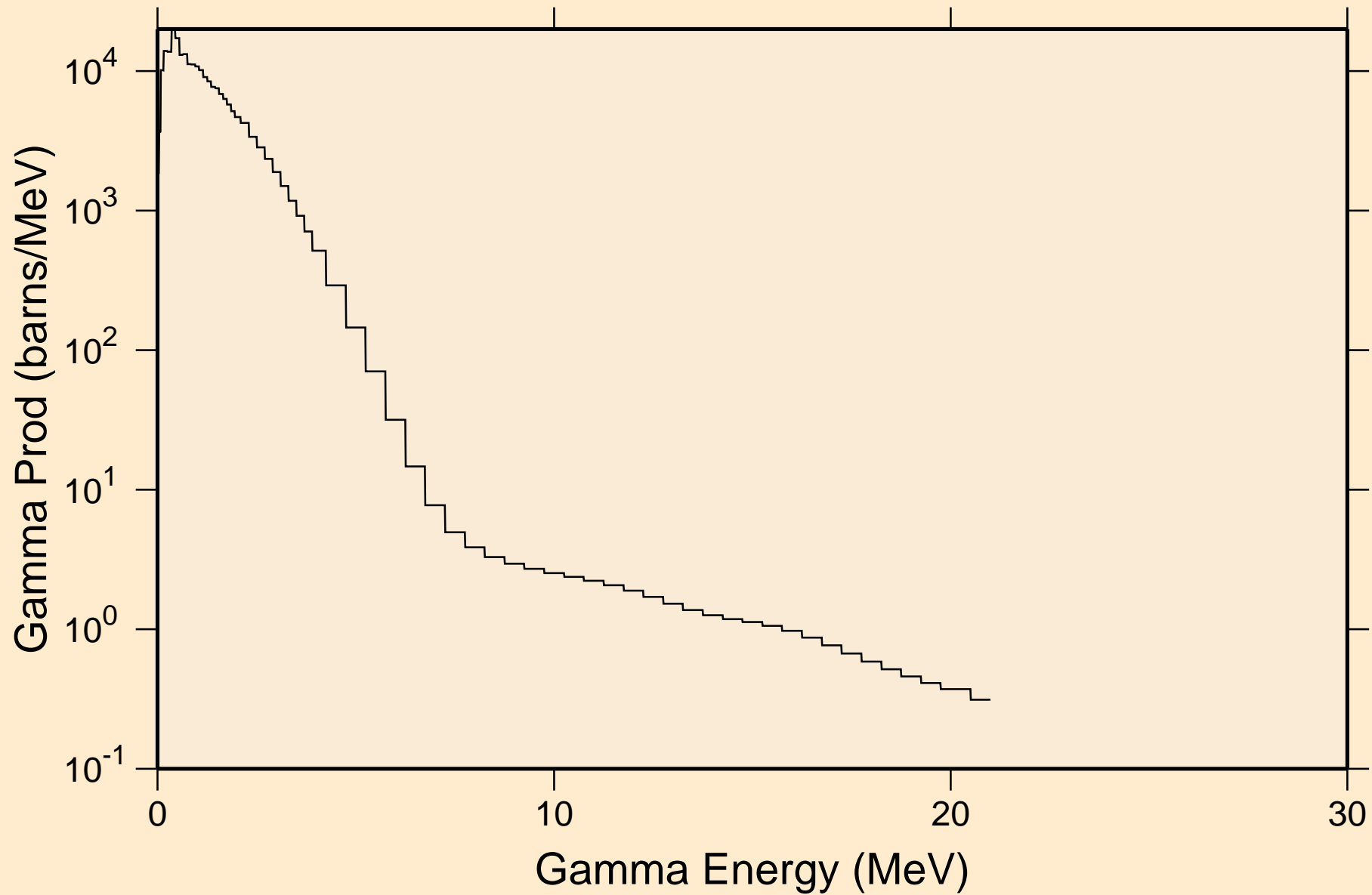
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

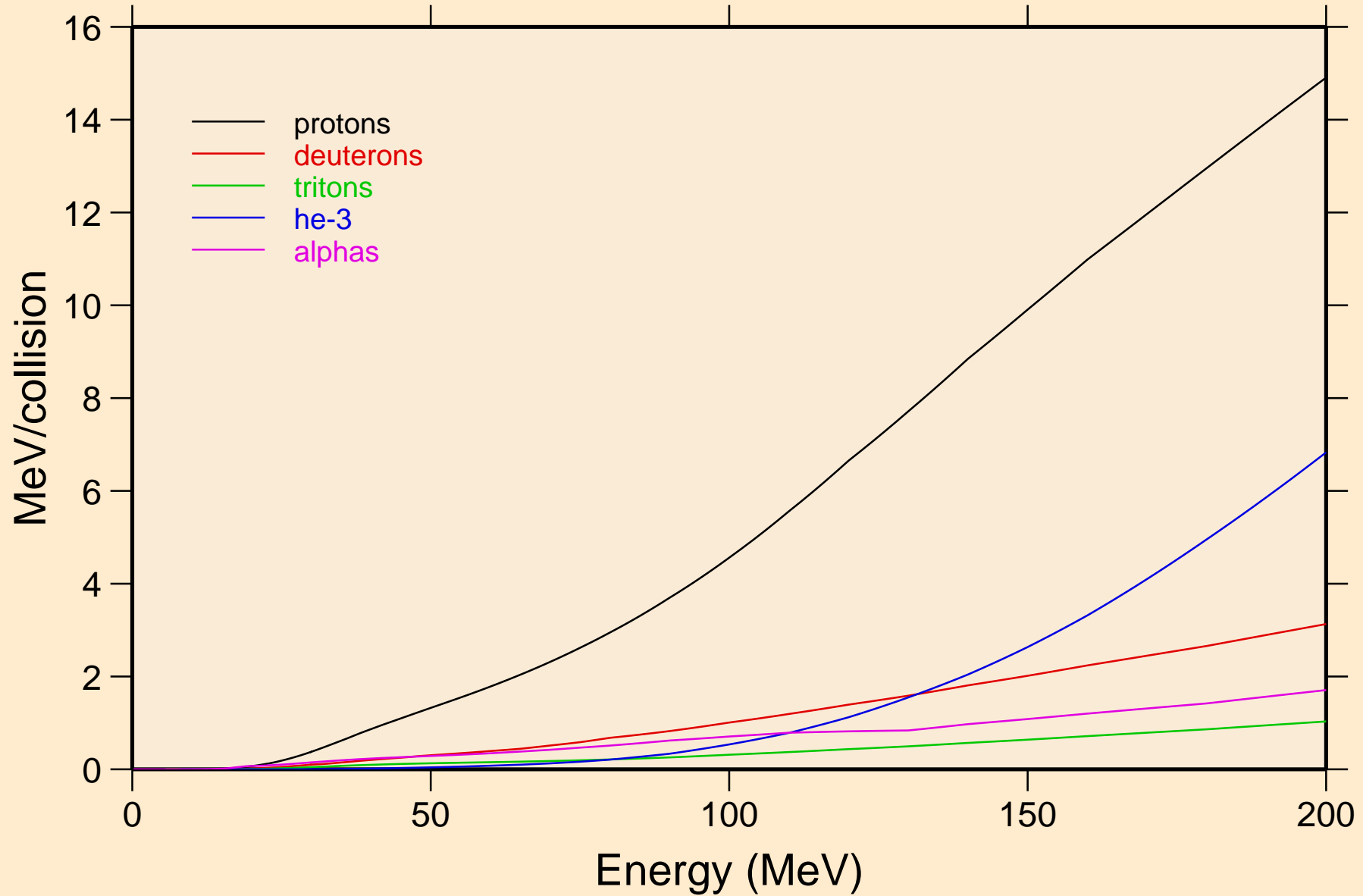


ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum



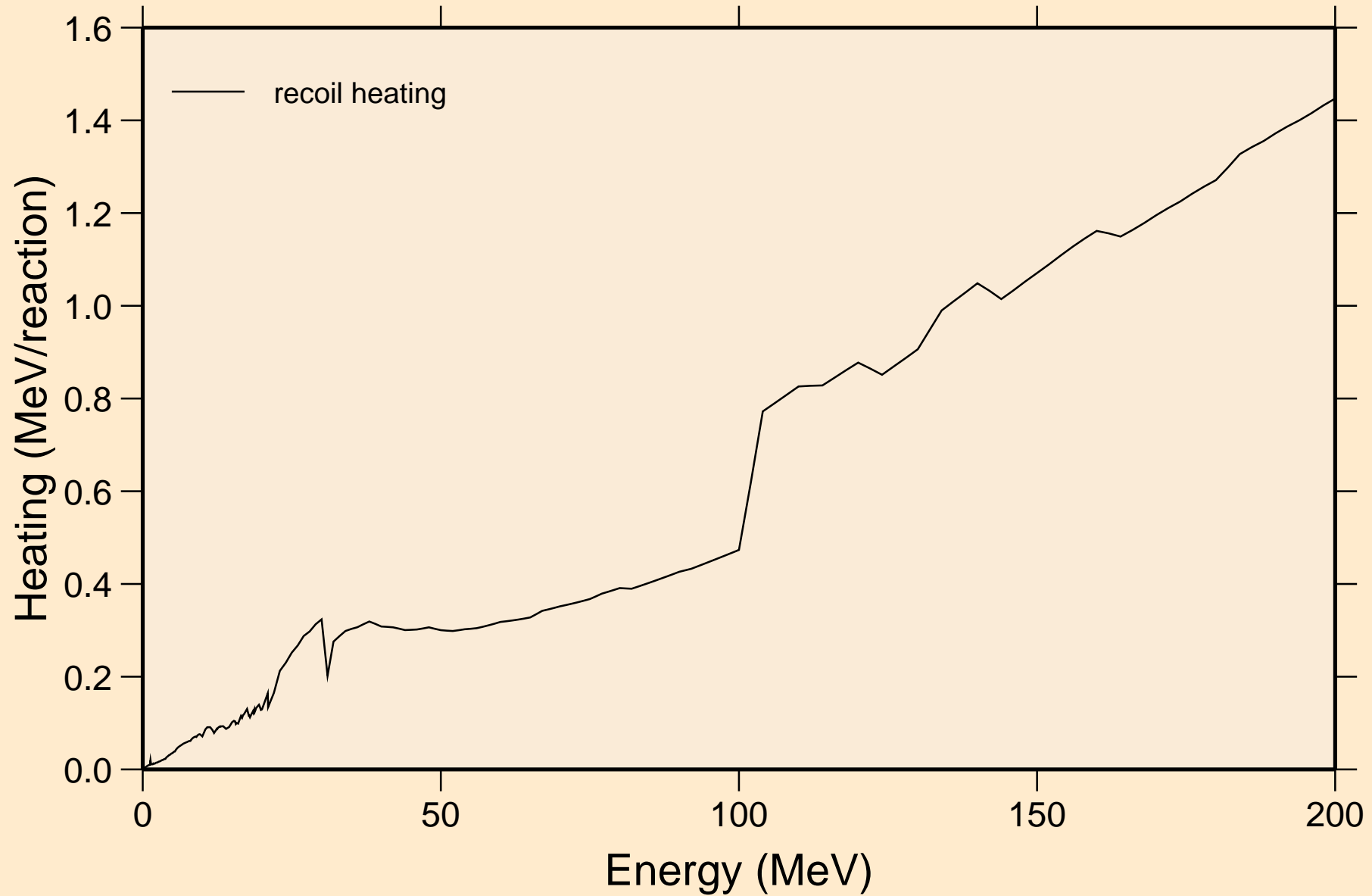
# ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions



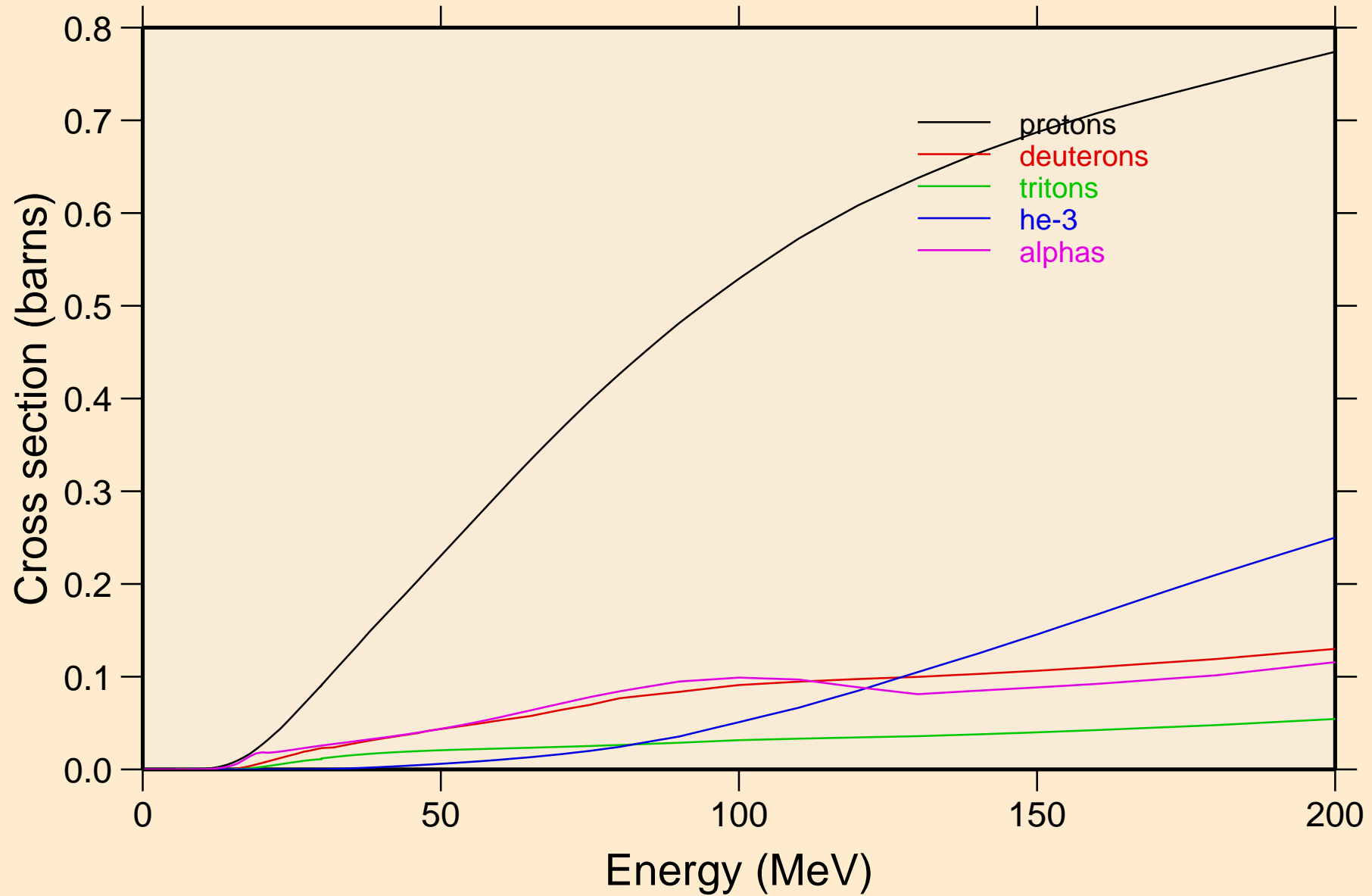
# ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Recoil Heating

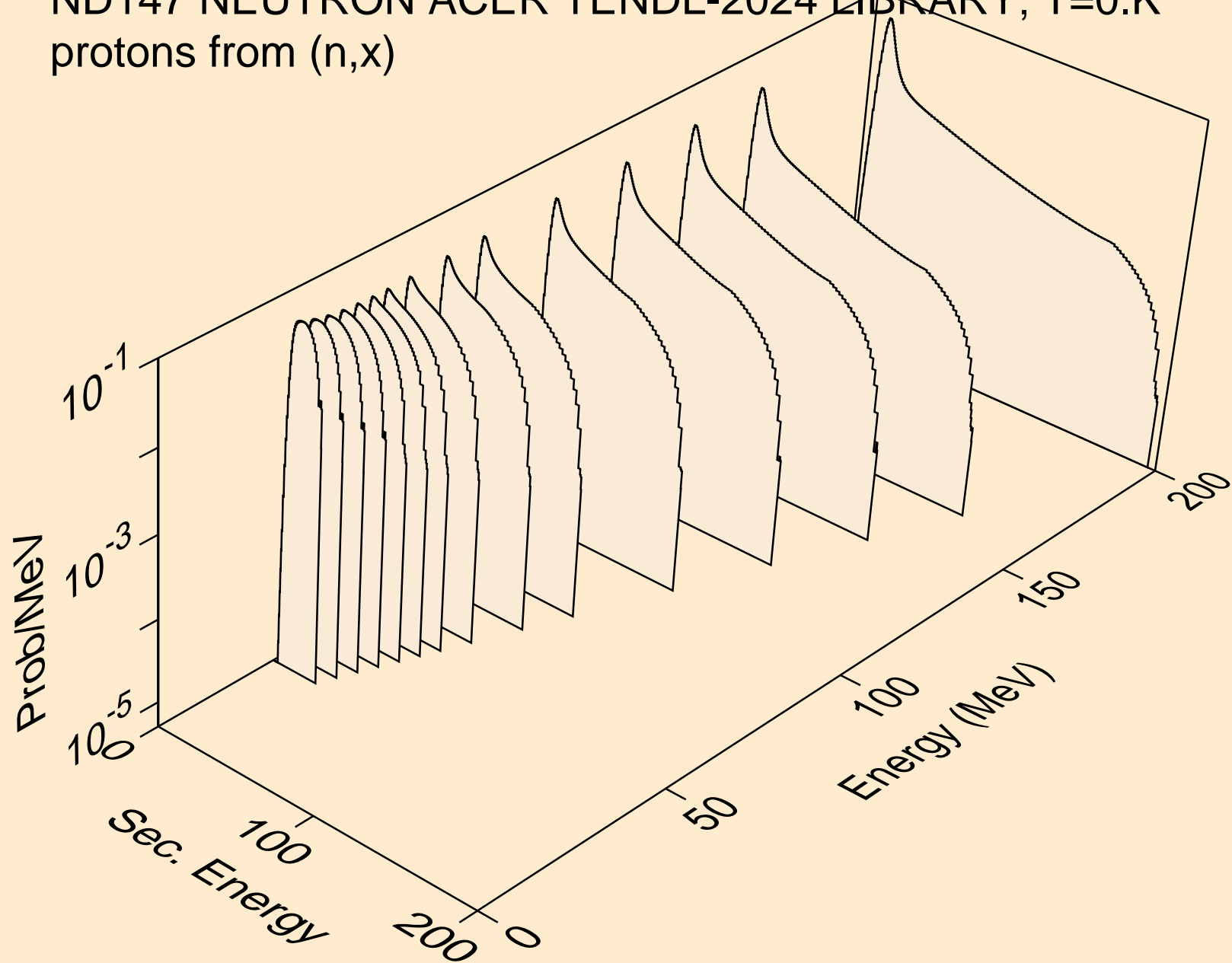


# ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

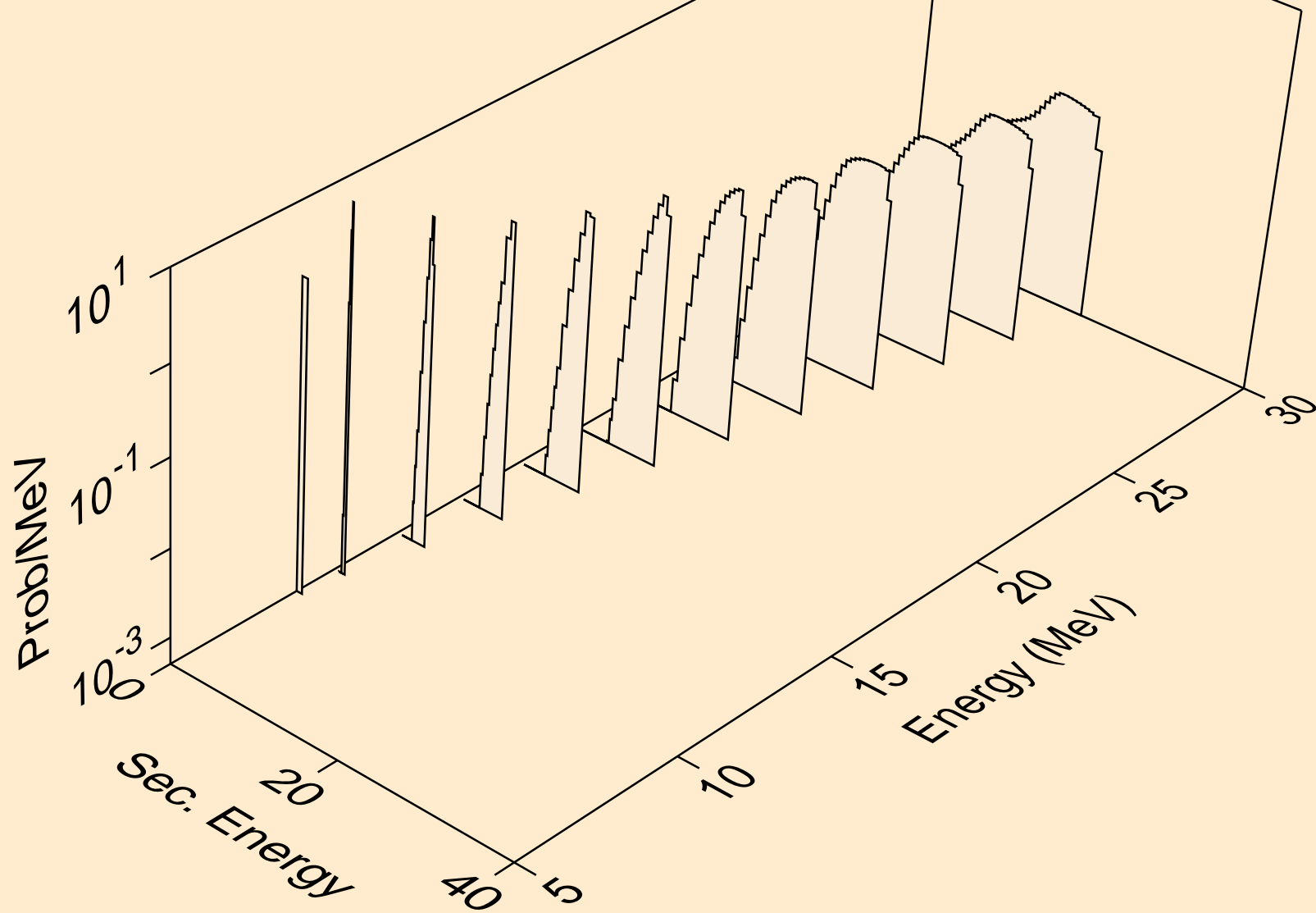
## Particle production cross sections



ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)

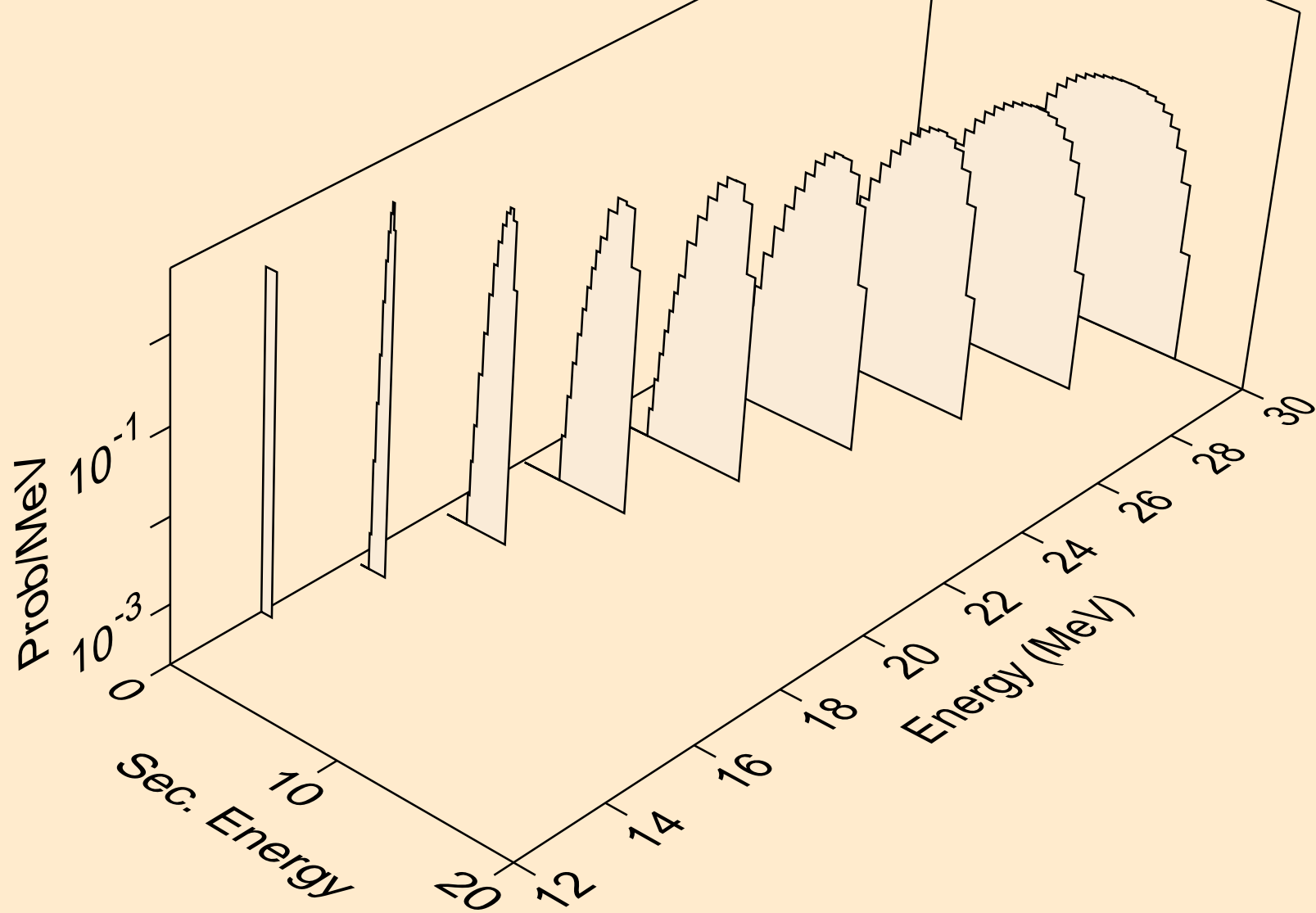


ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p

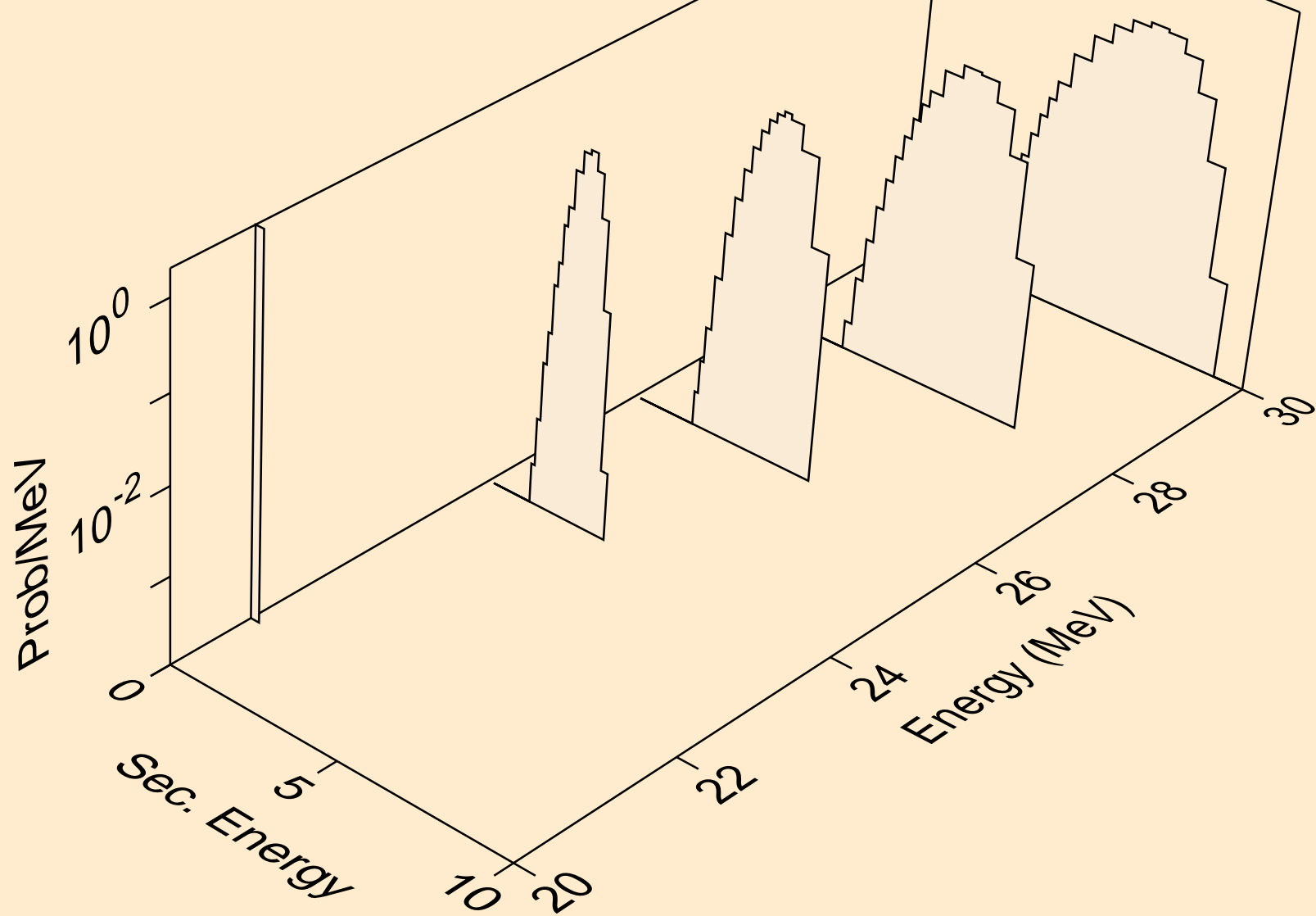




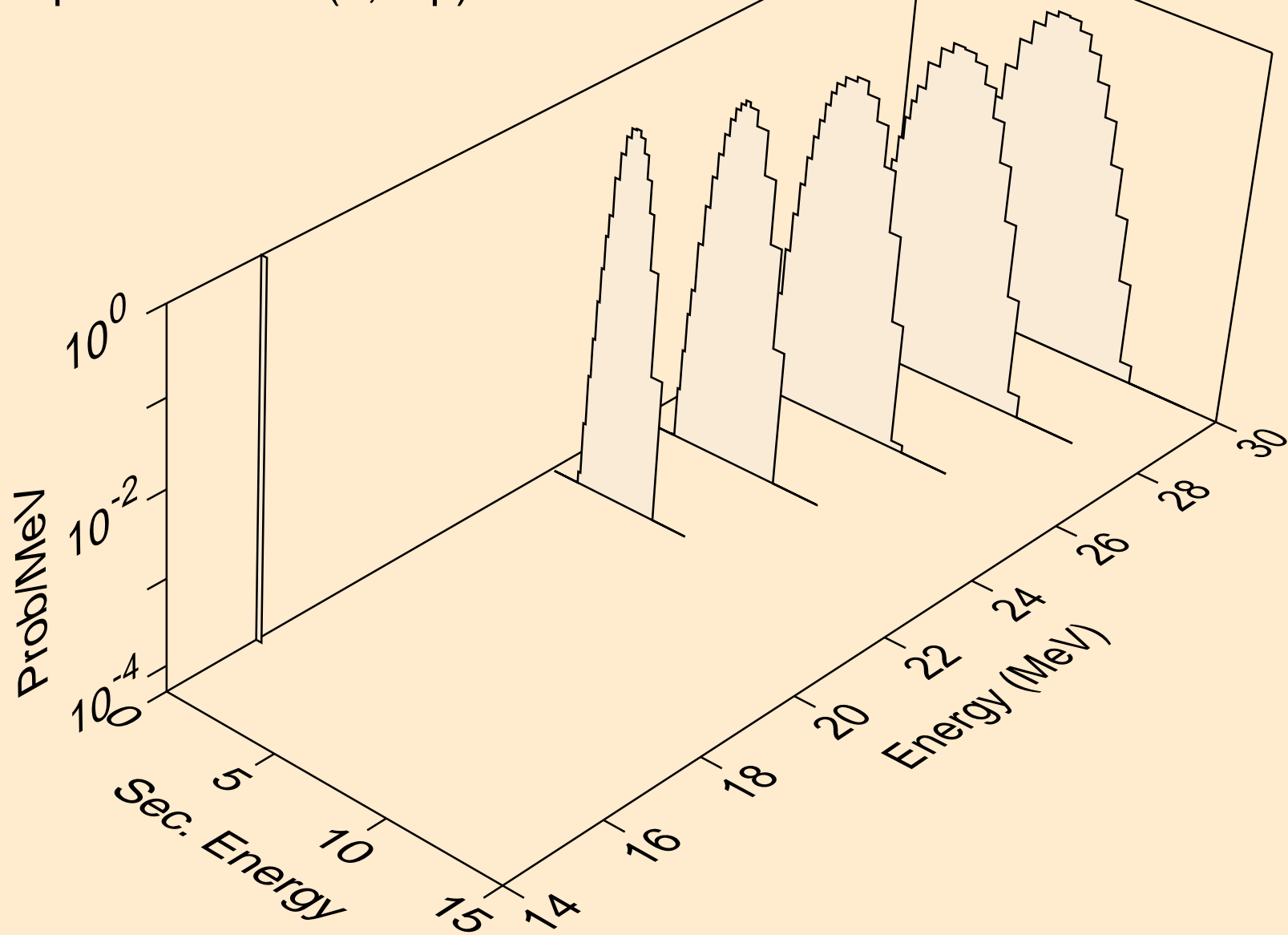
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)



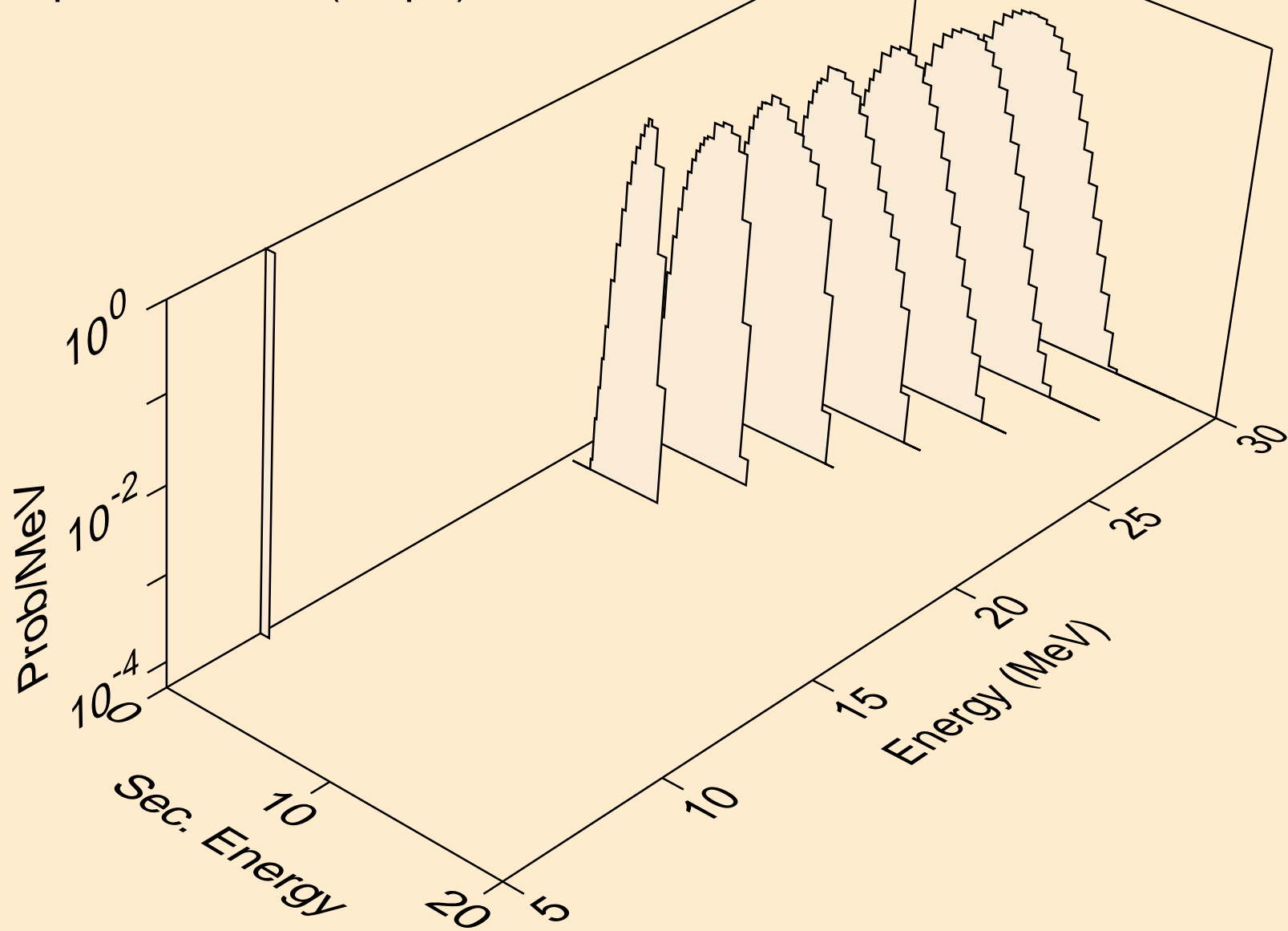
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)



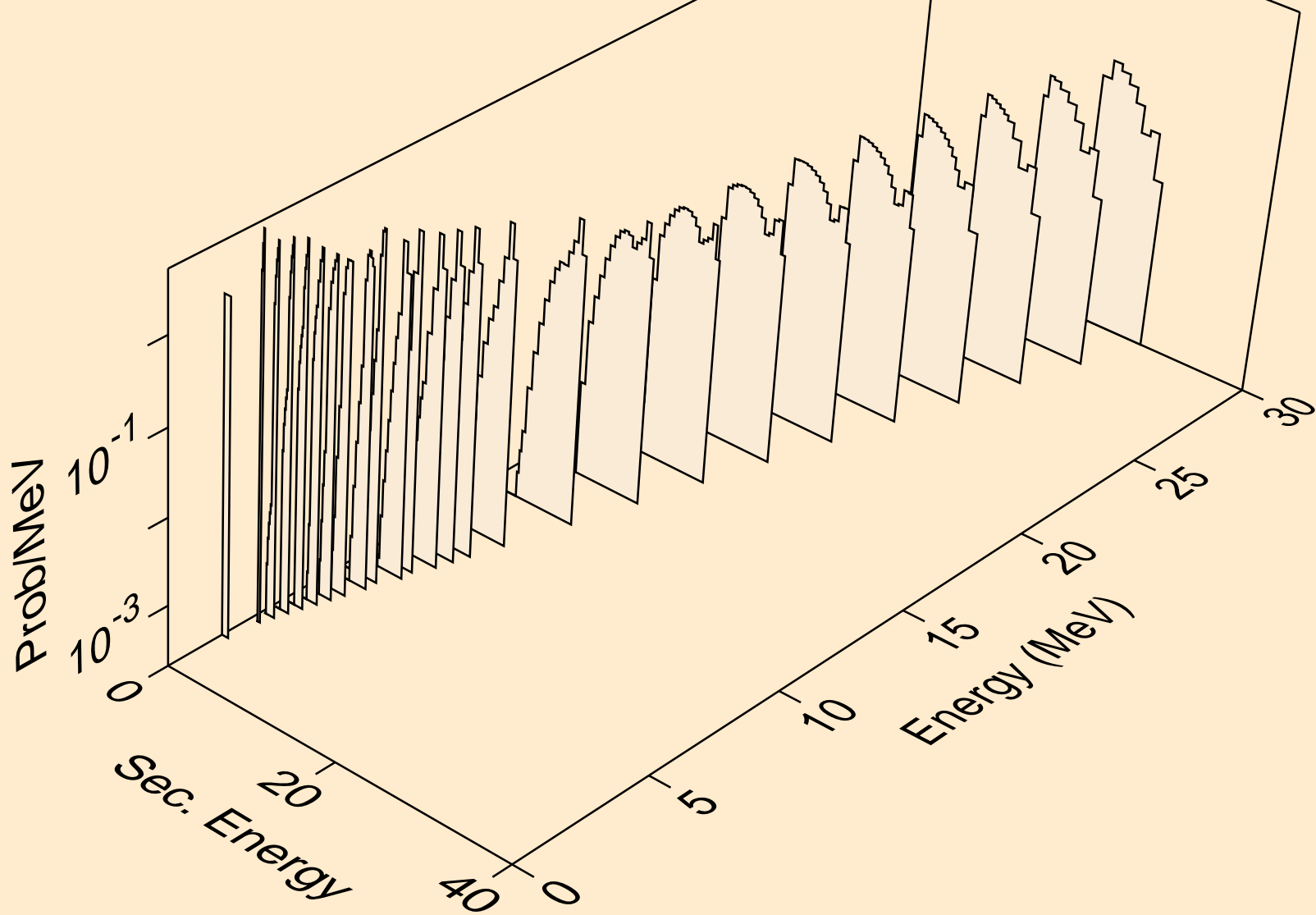
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protons from (n,n2p)



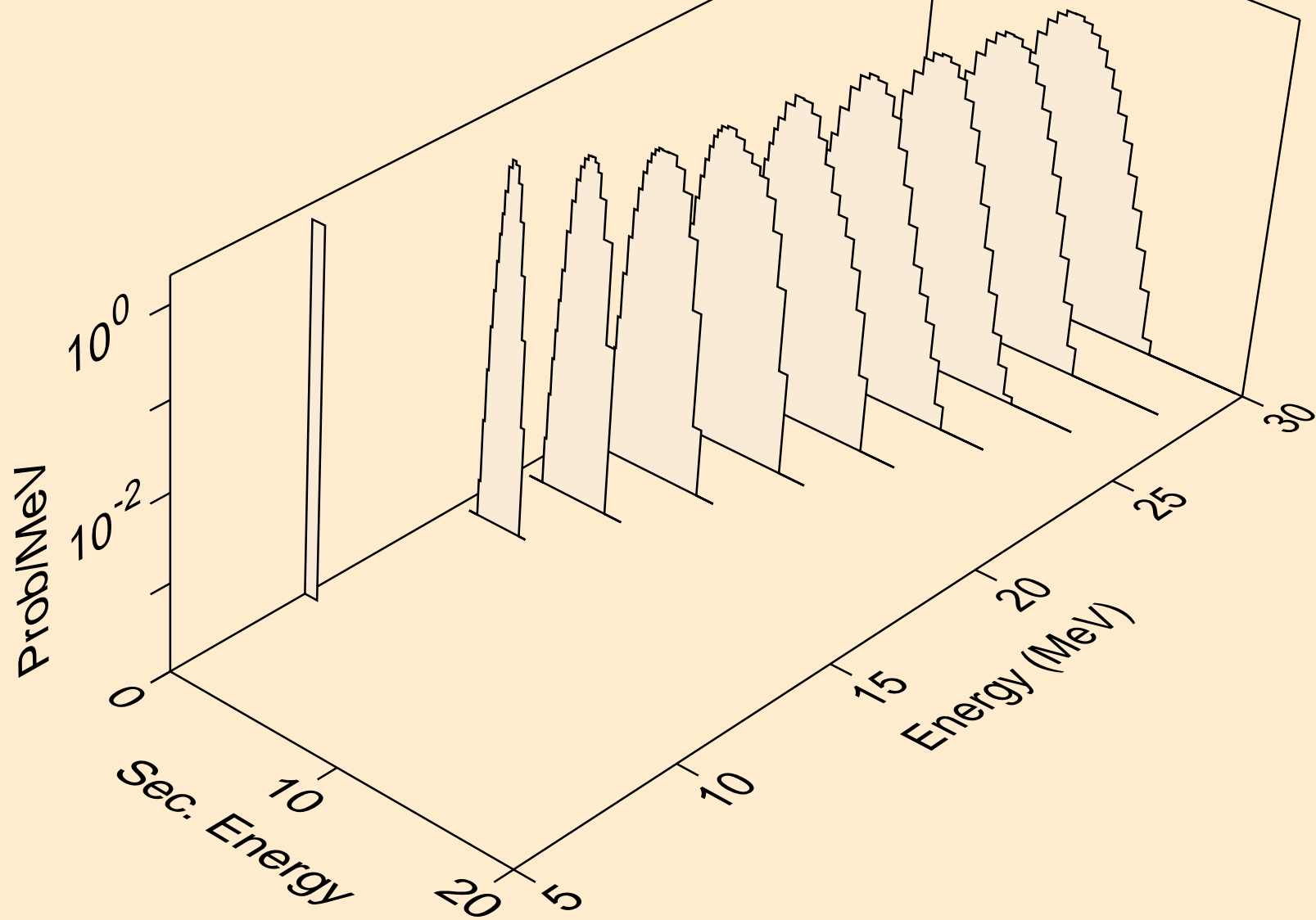
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protons from (n,npa)



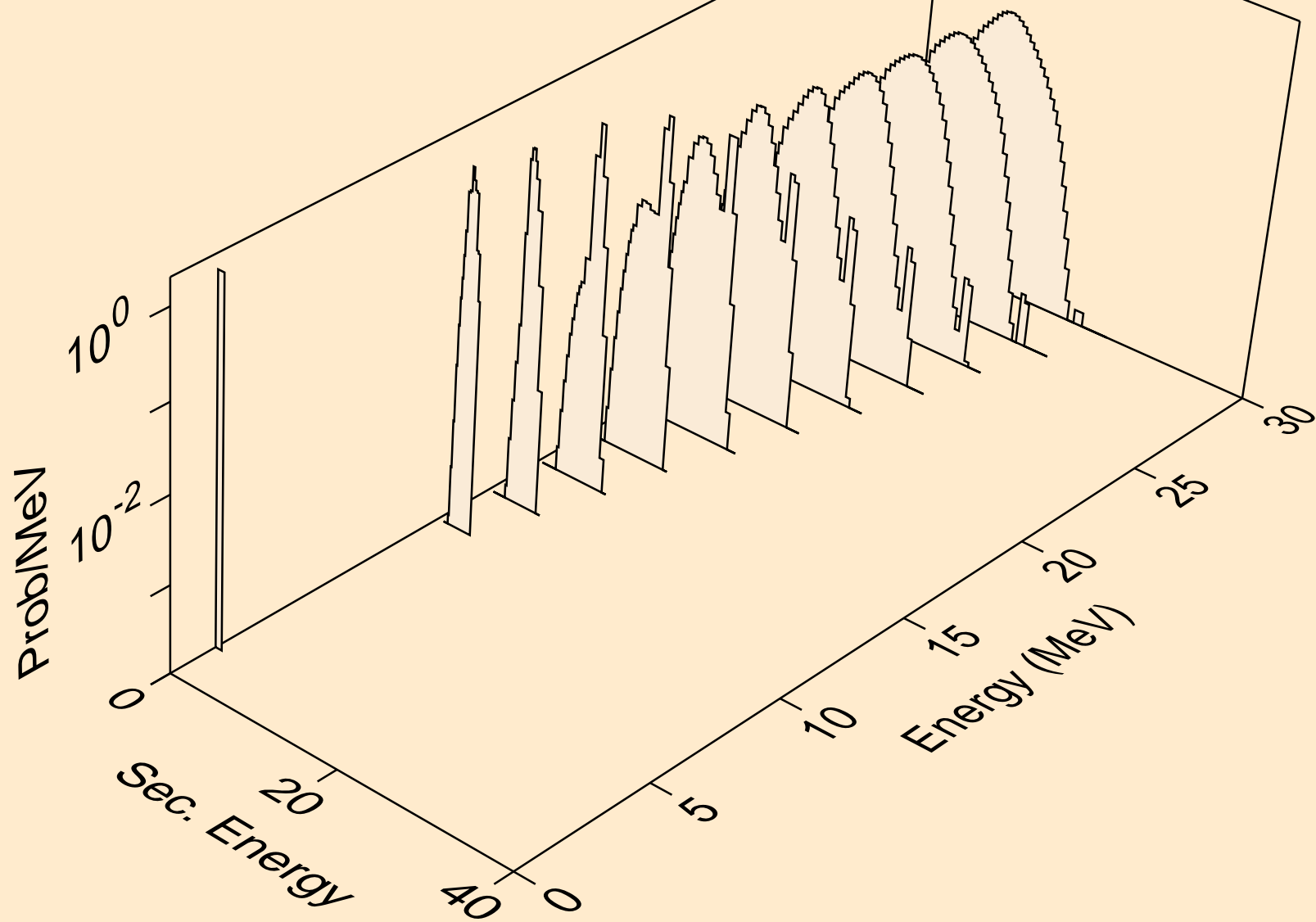
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protons from (n,p)



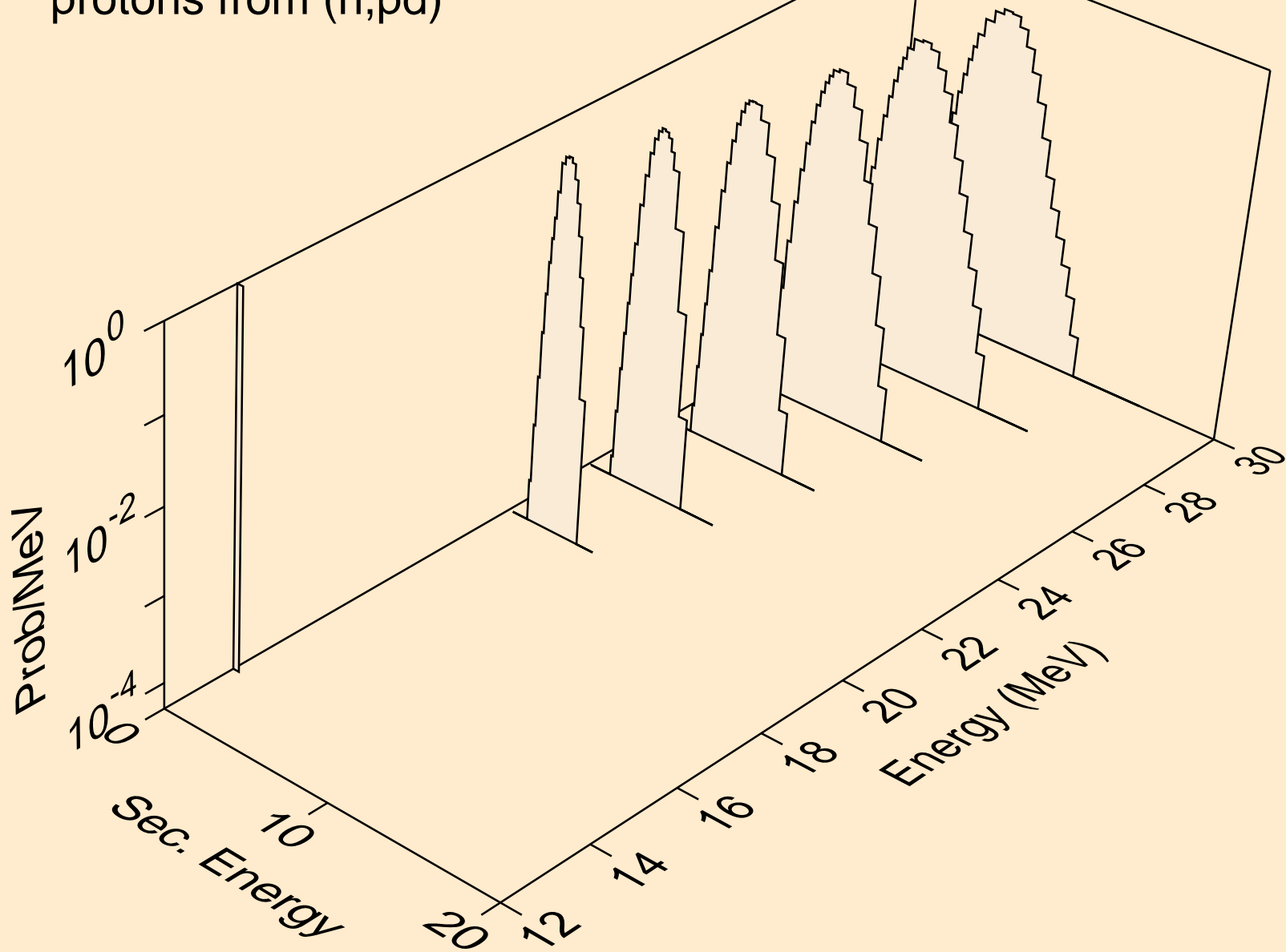
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protons from (n,2p)



ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pa)

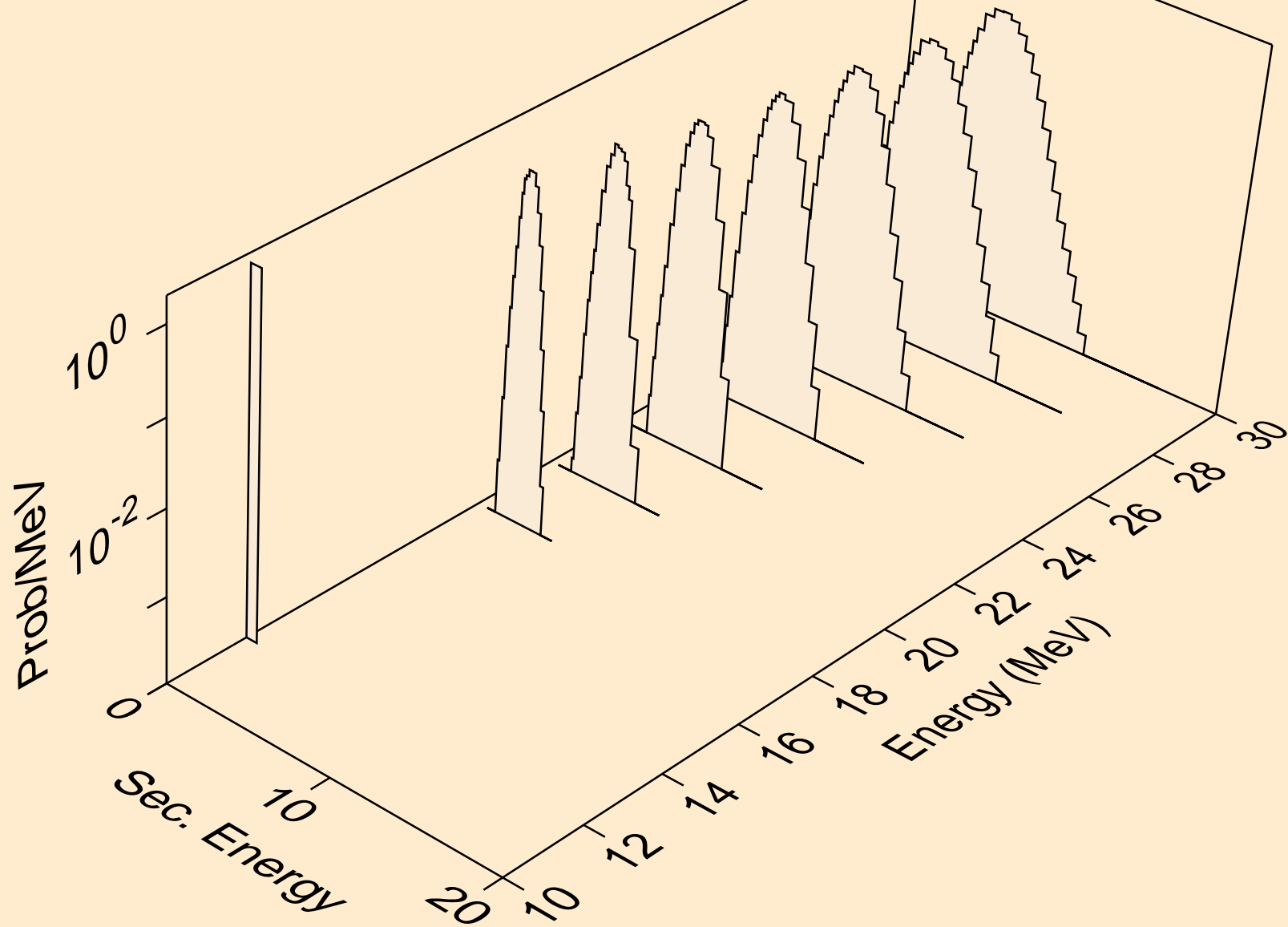


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protons from (n,pd)

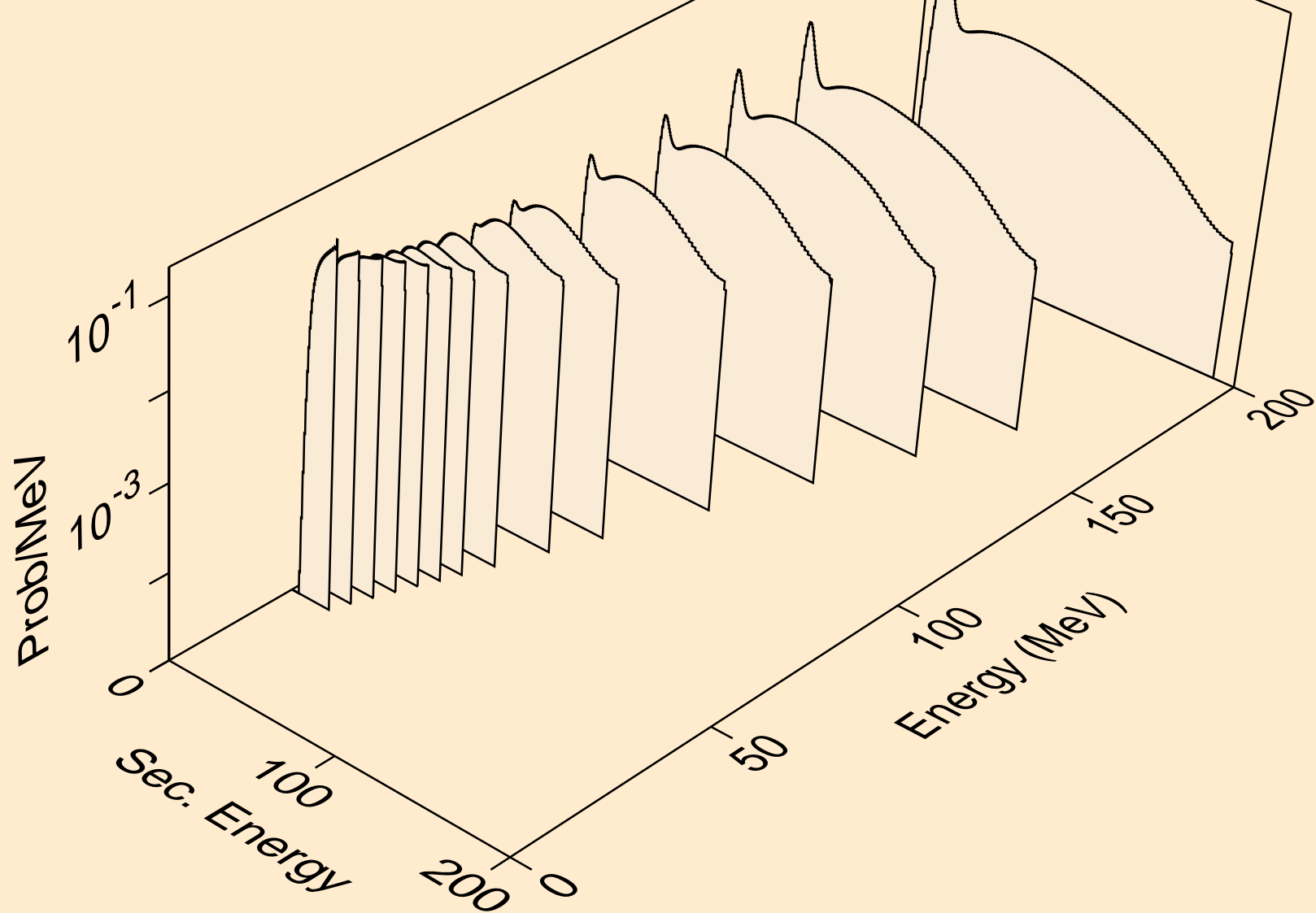




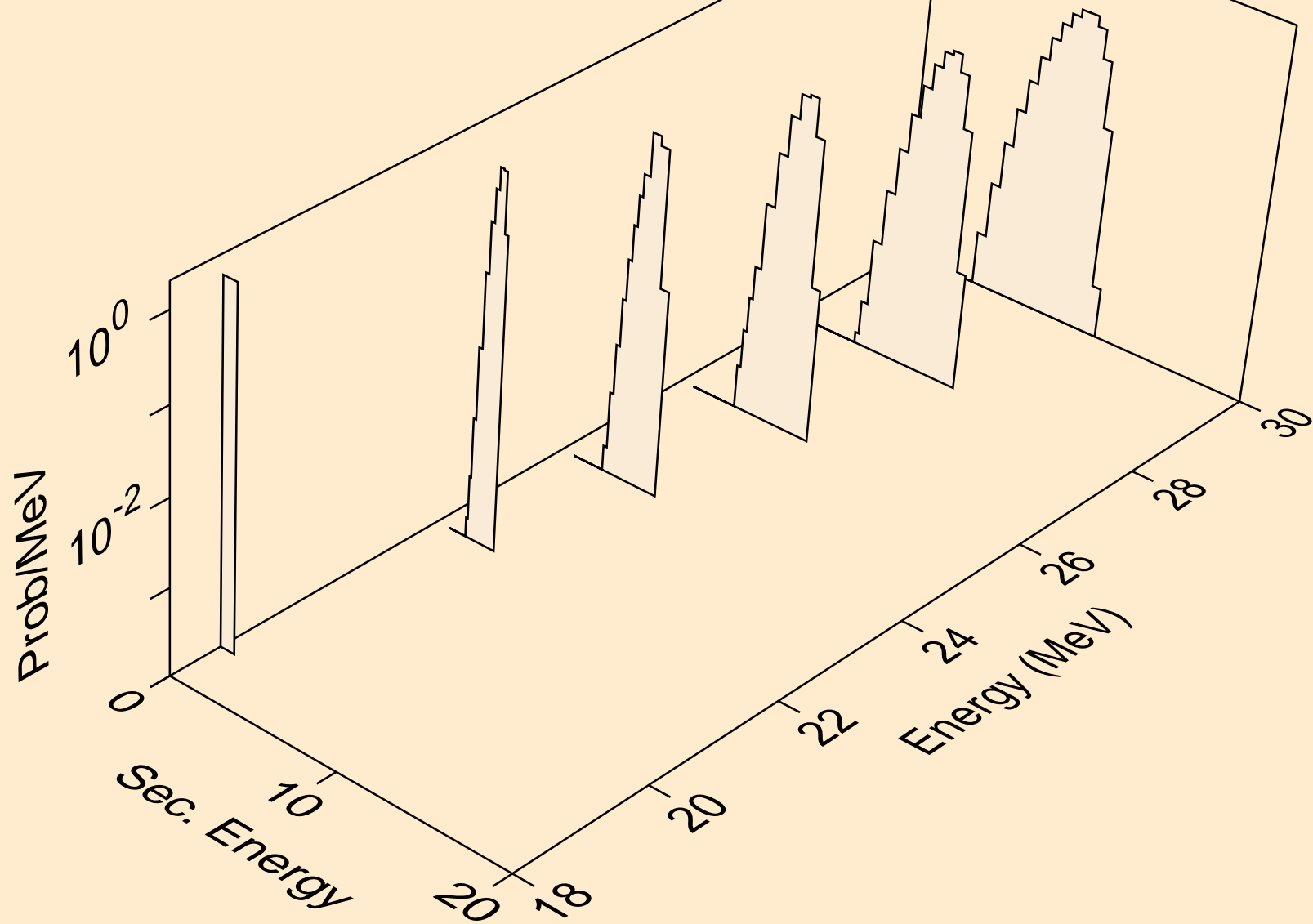
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protons from (n,pt)



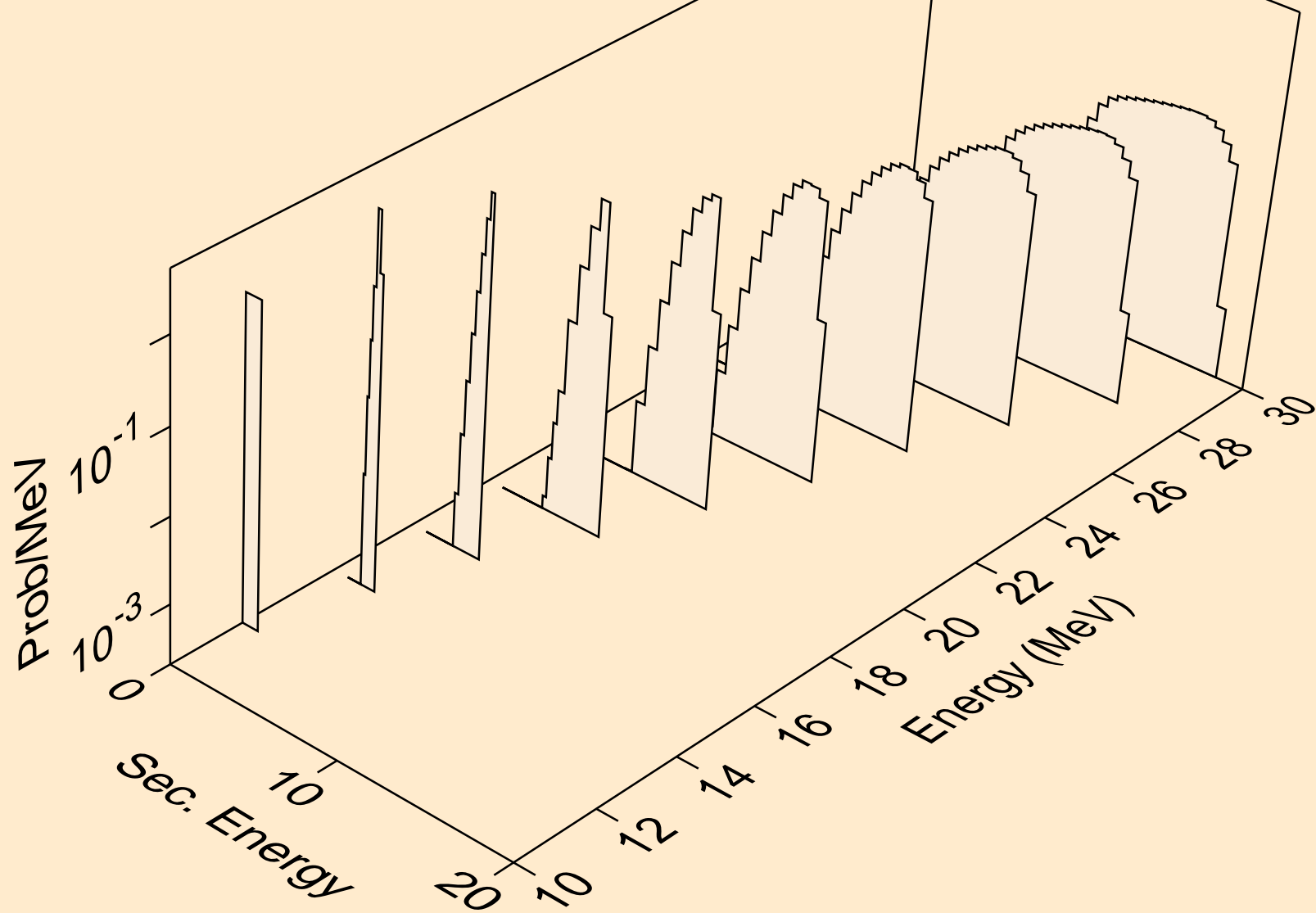
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)



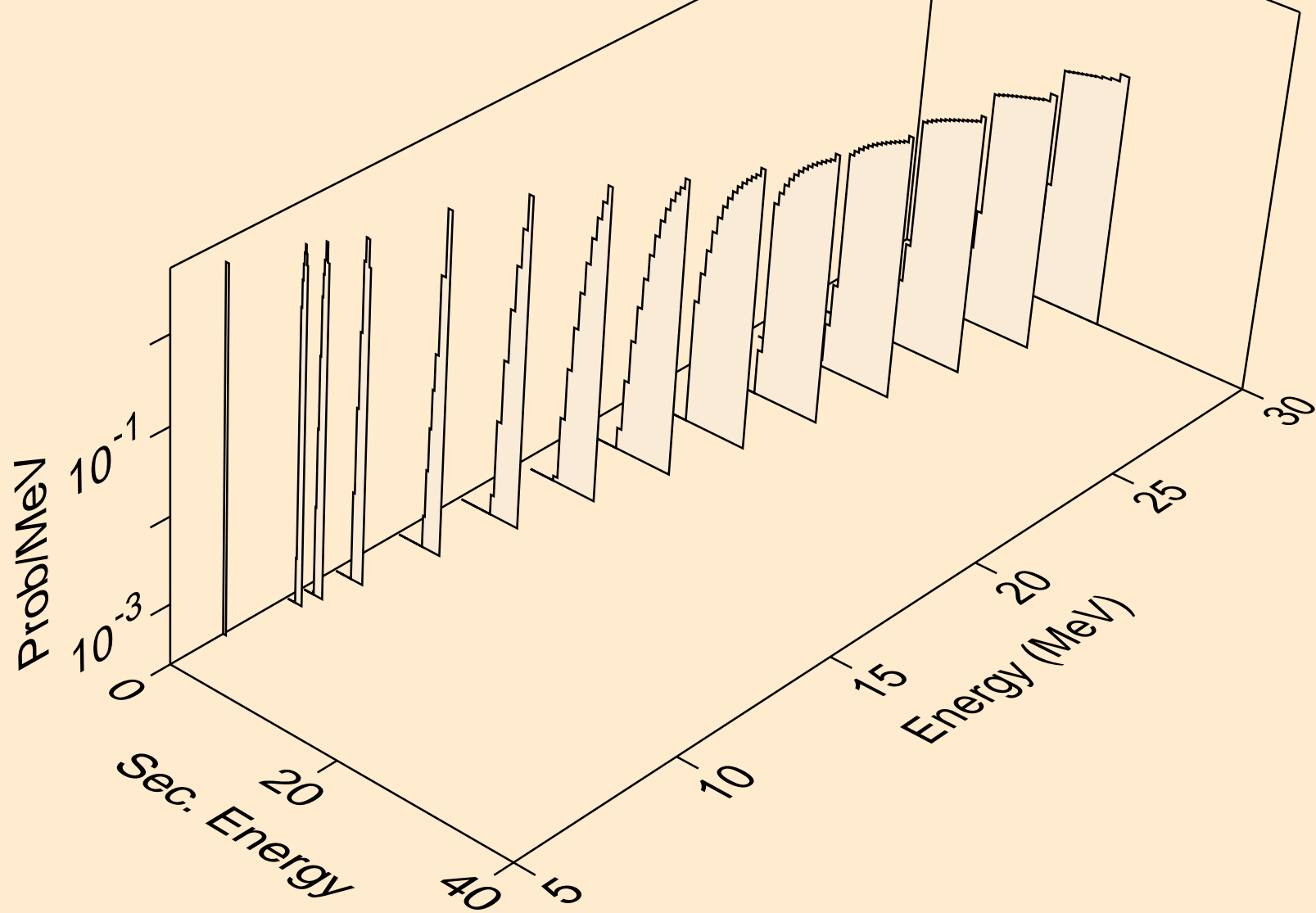
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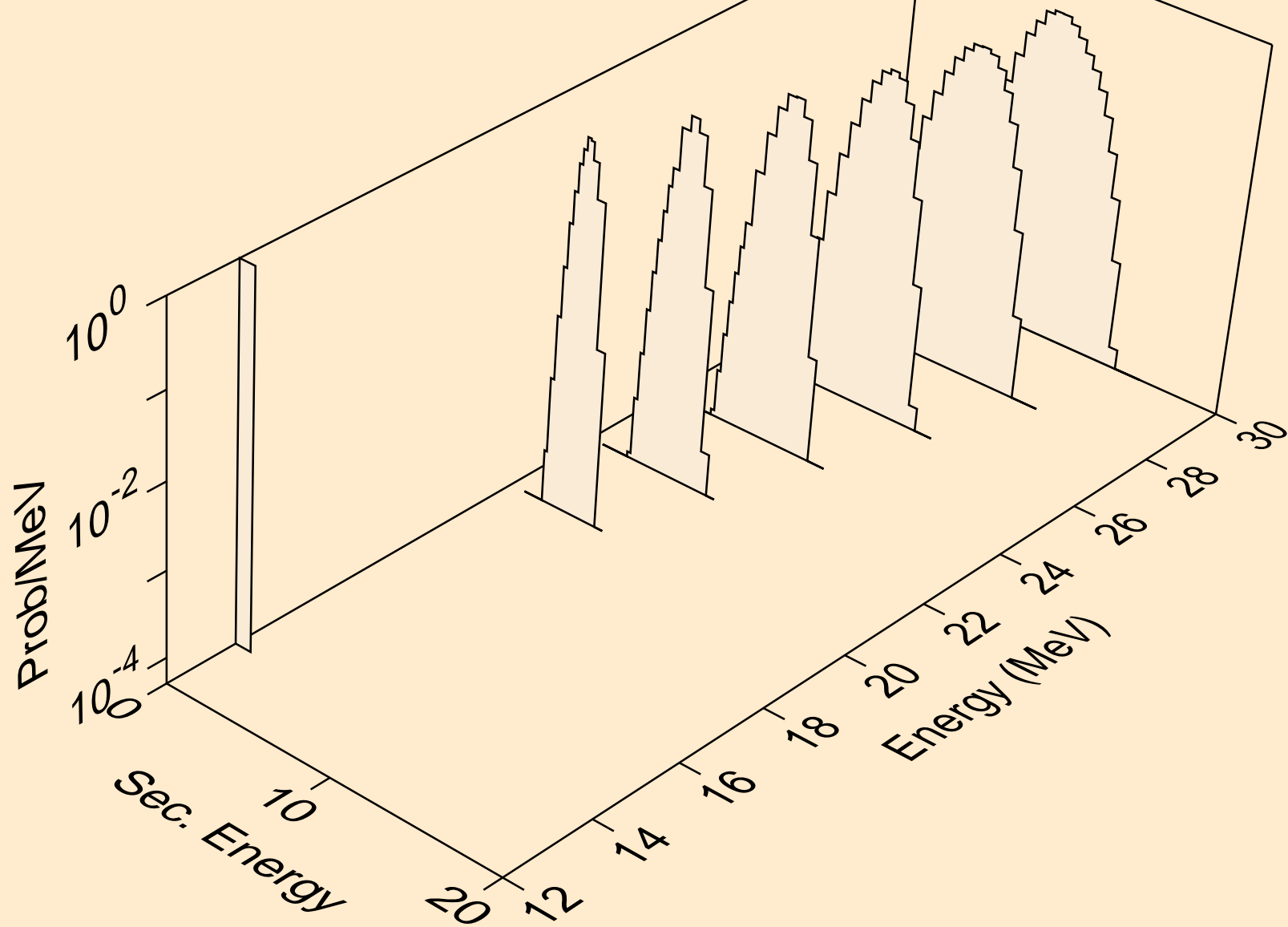
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deuterons from (n,n\*)d



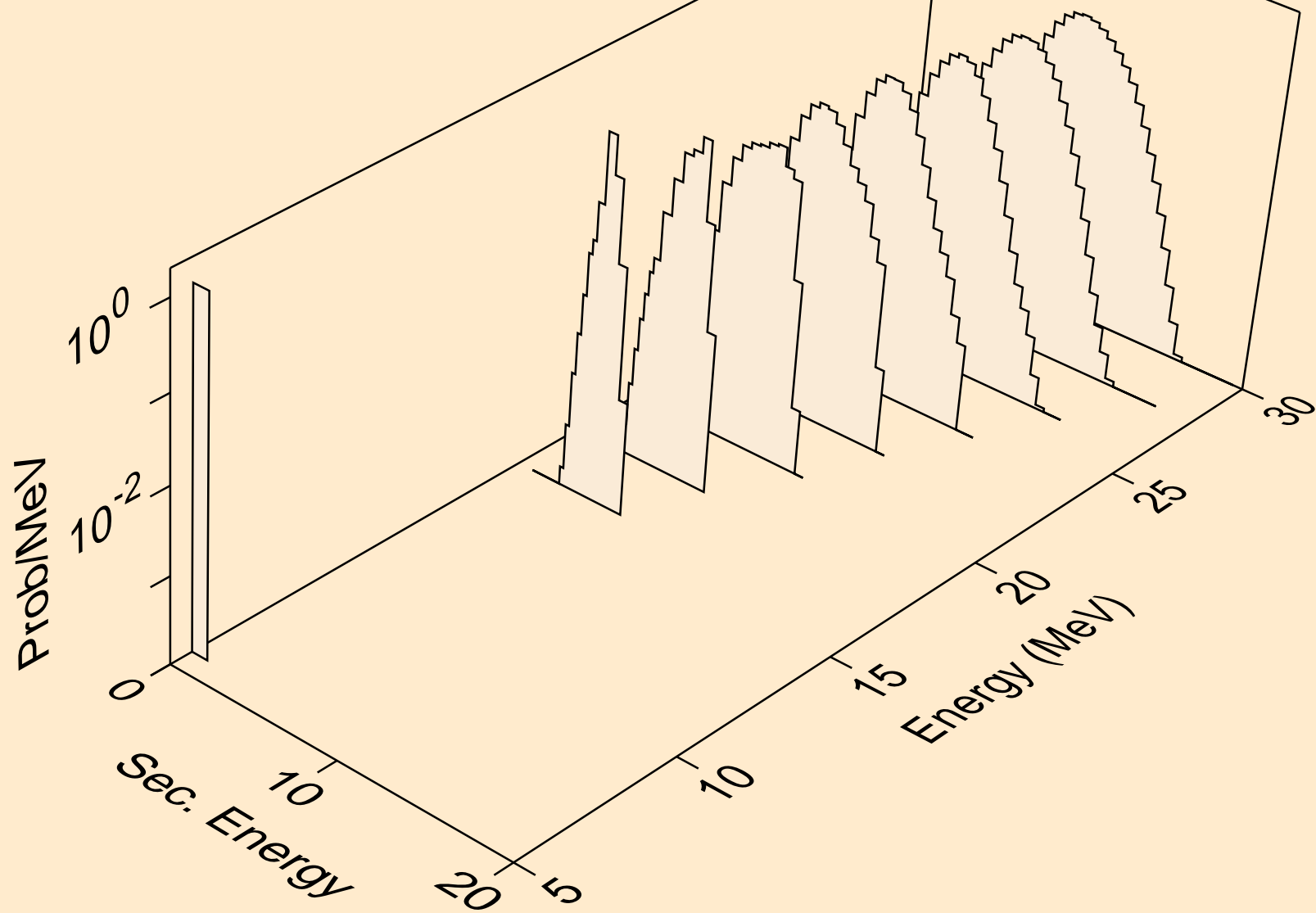
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,d)



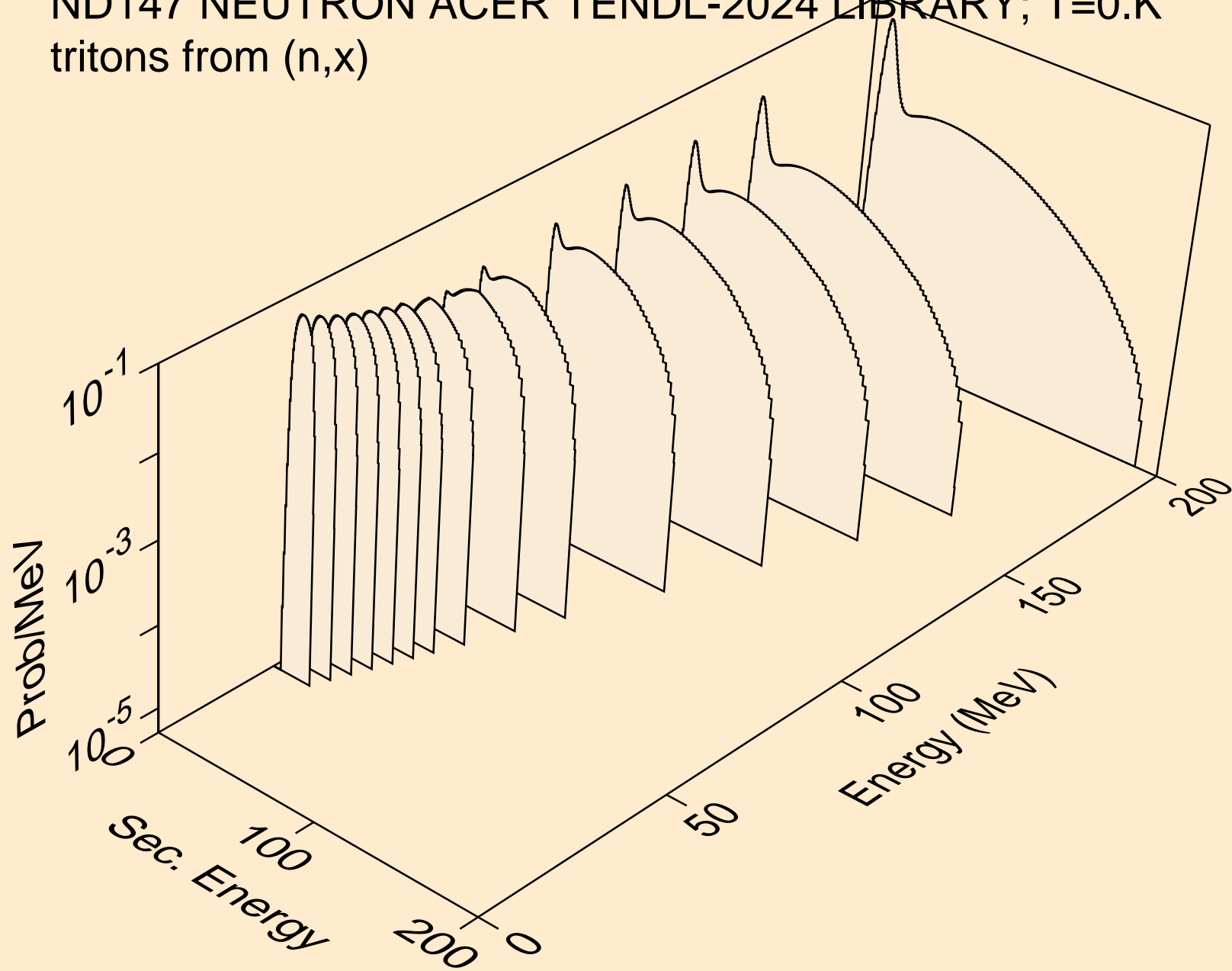
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,pd)



ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,da)

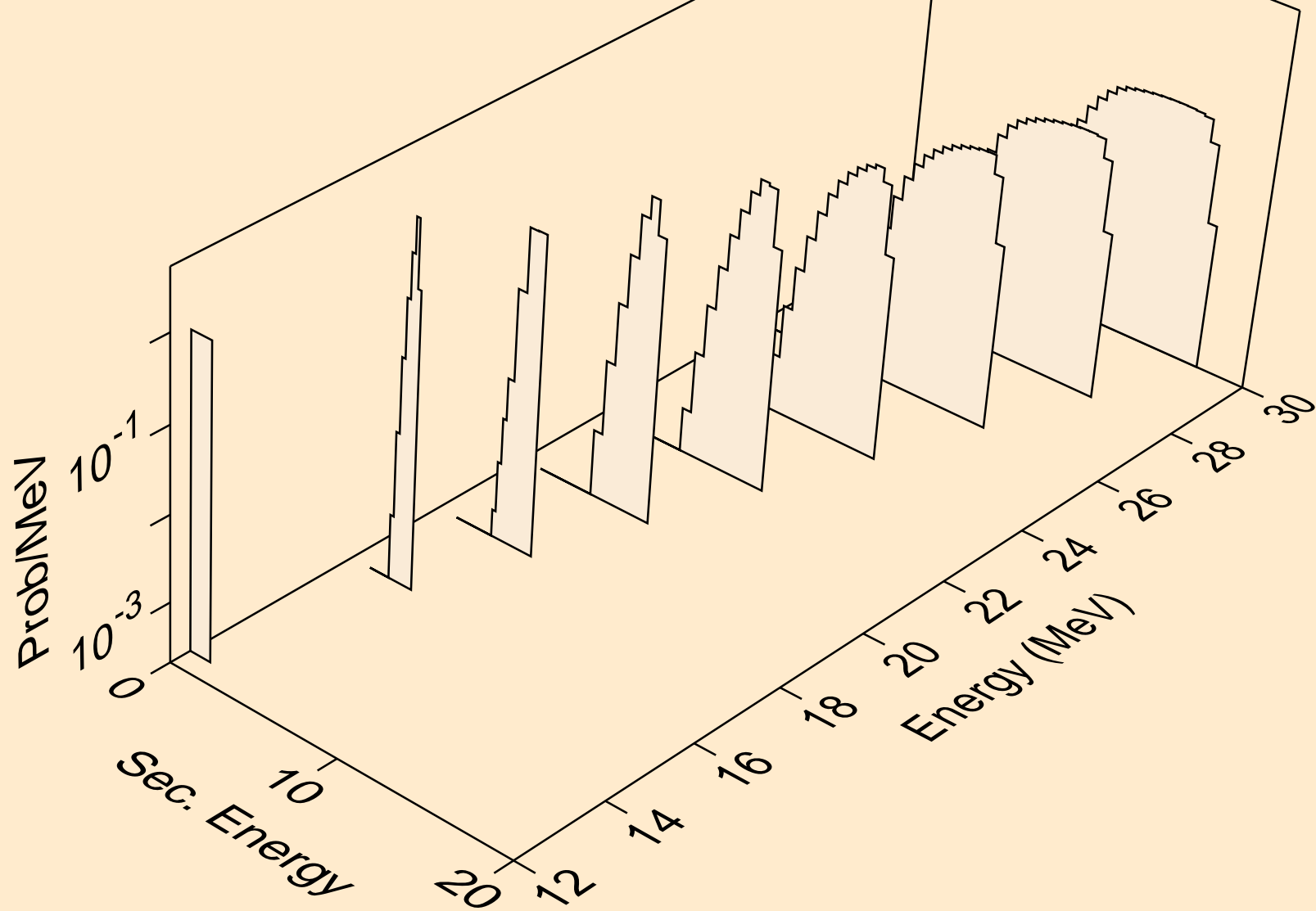


ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)

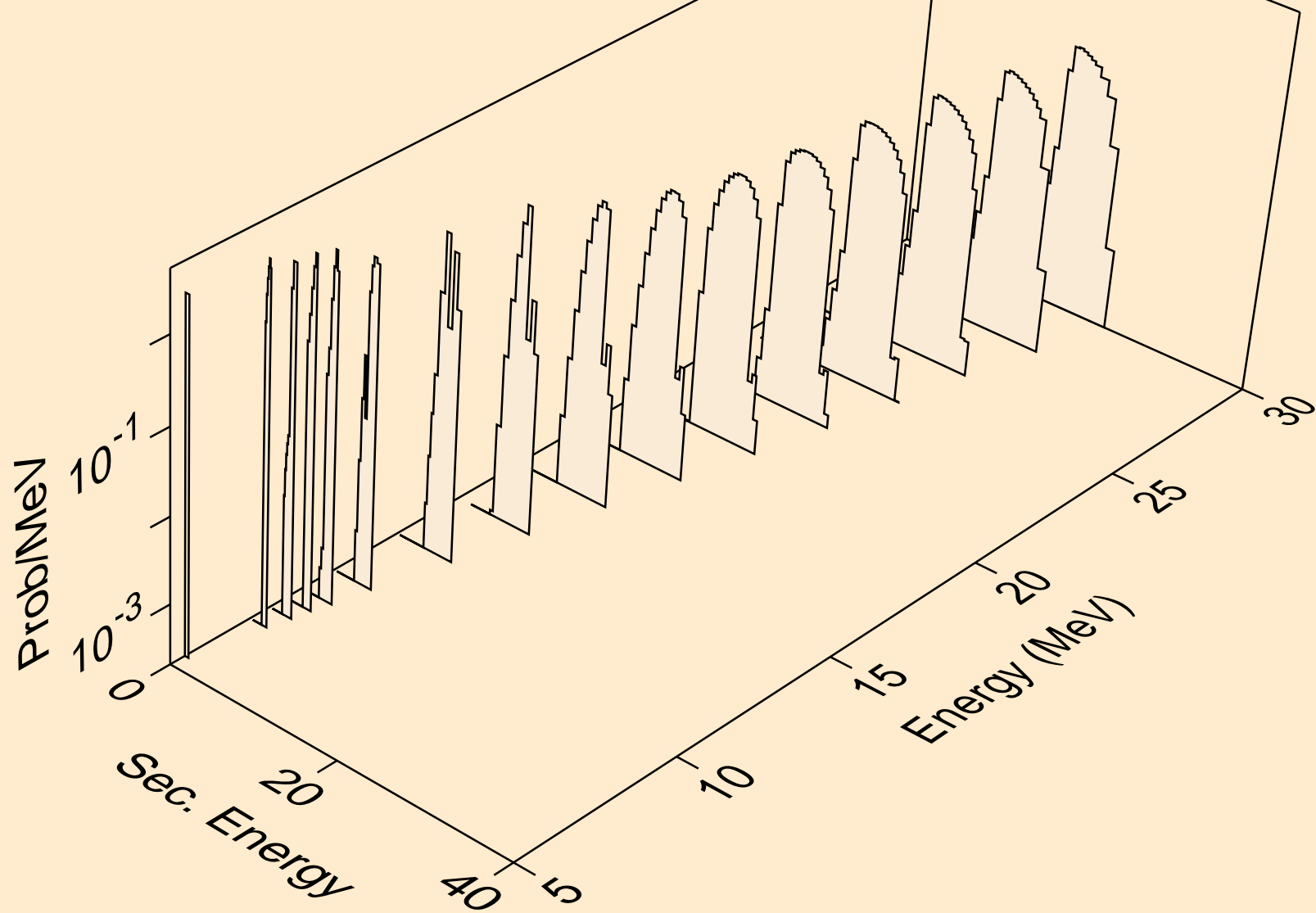




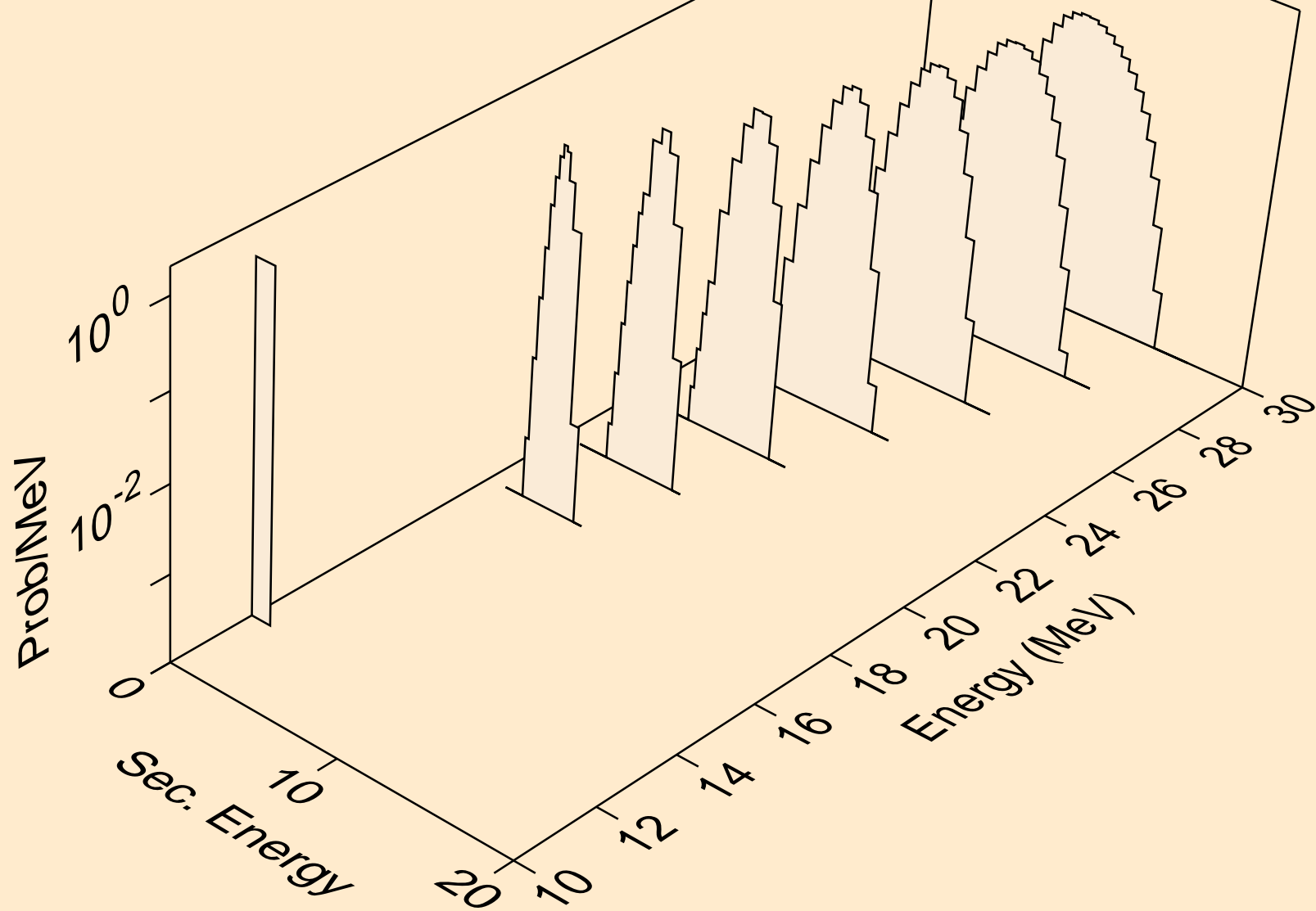
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



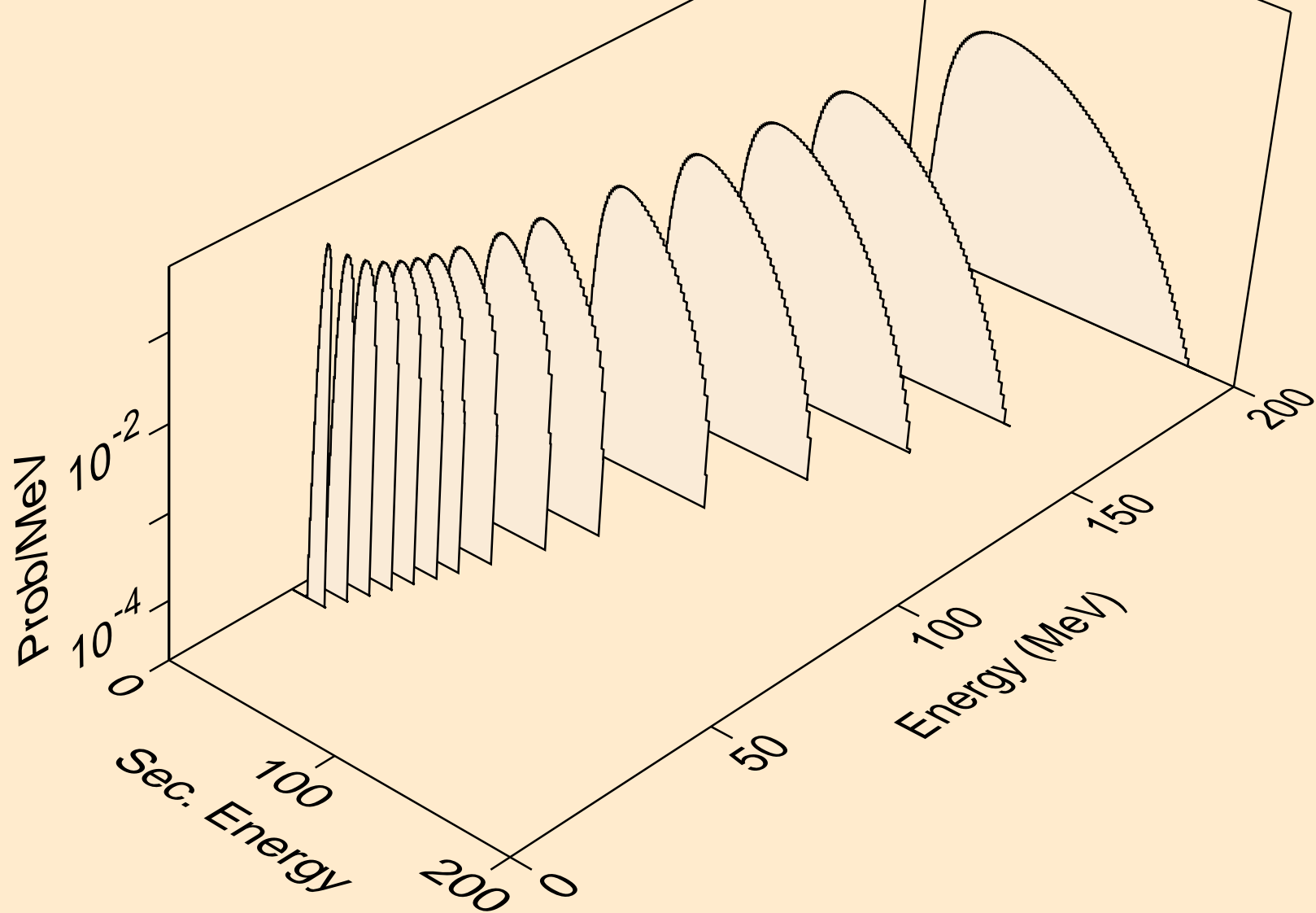
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,t)



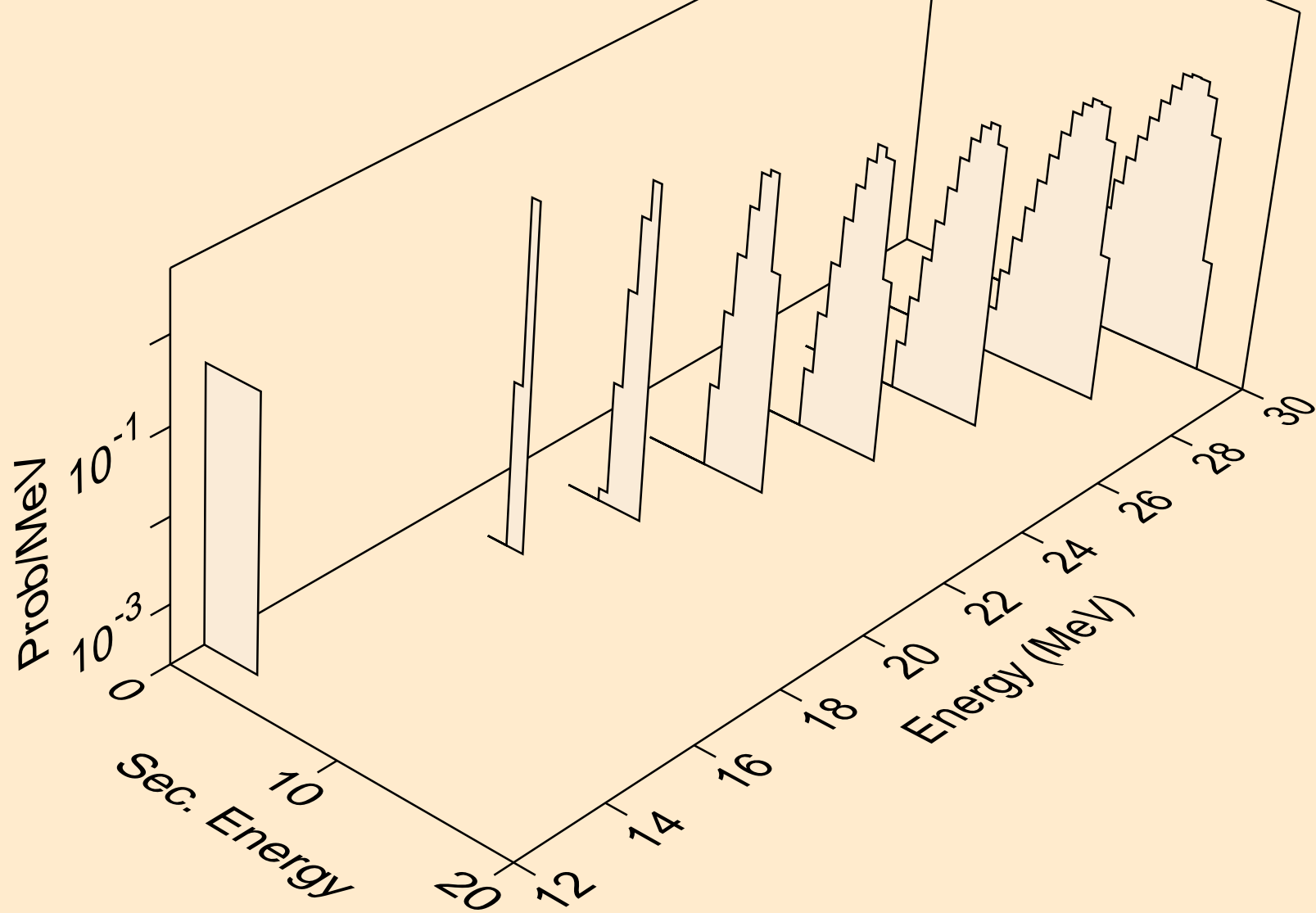
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,pt)



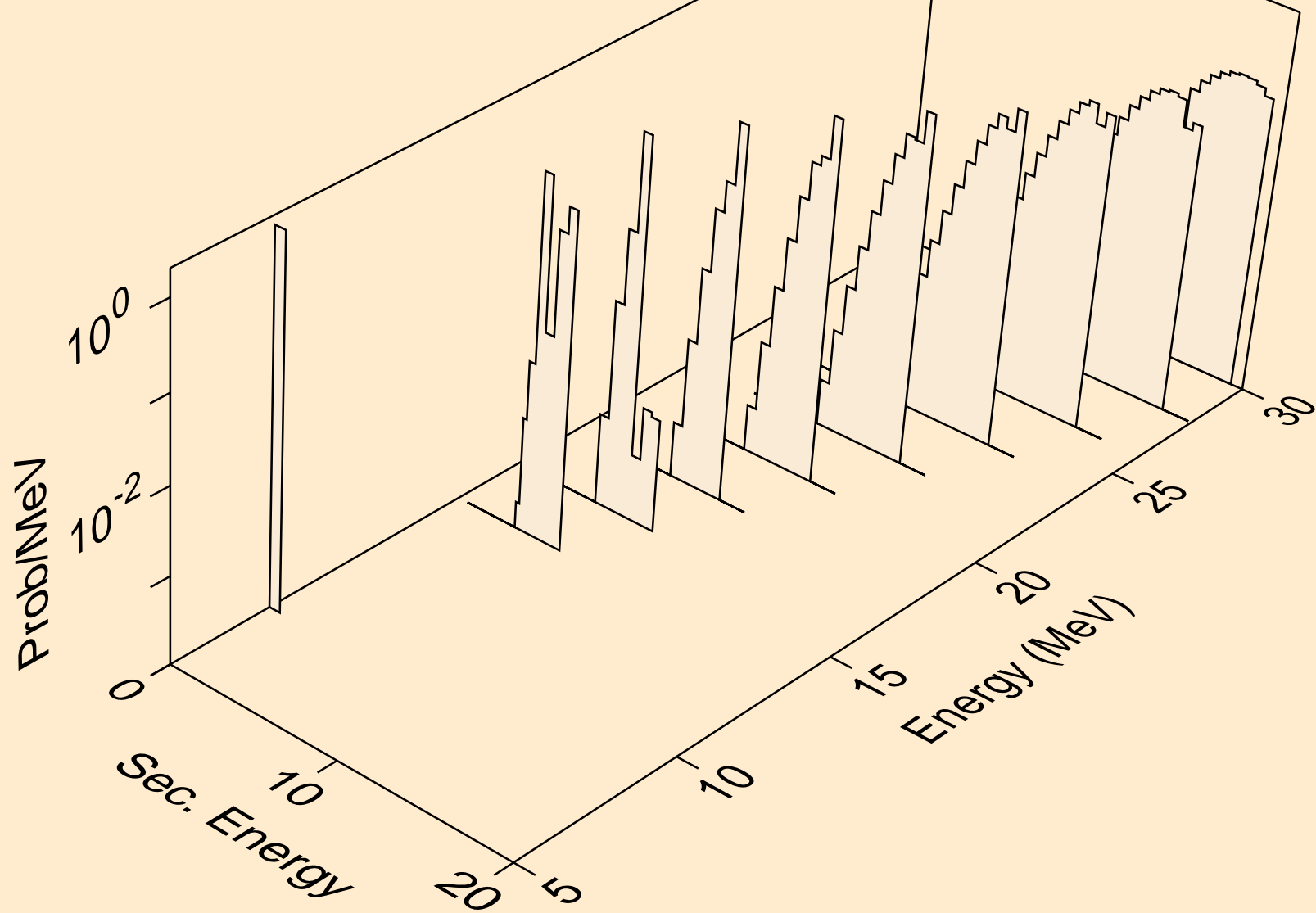
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)



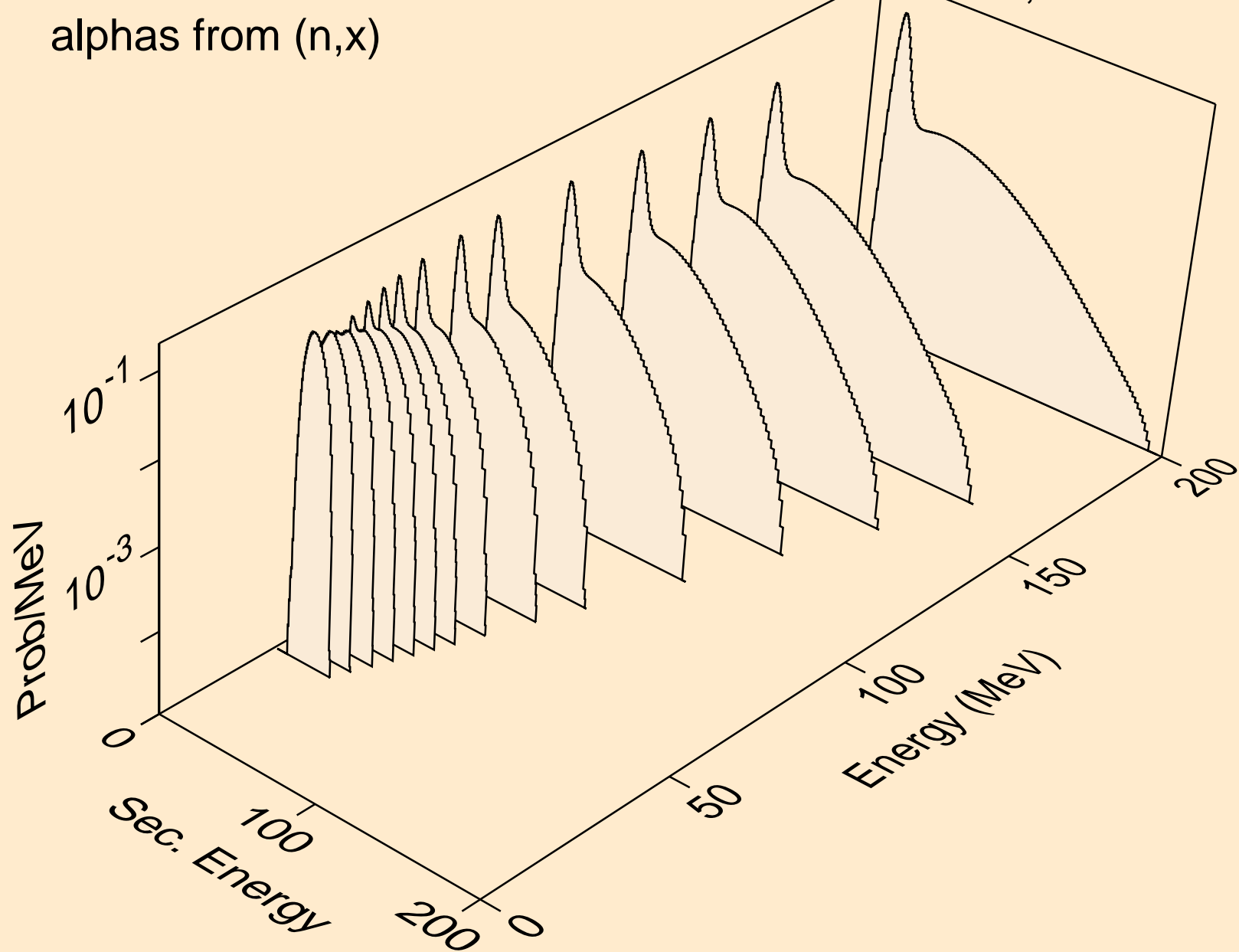
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3



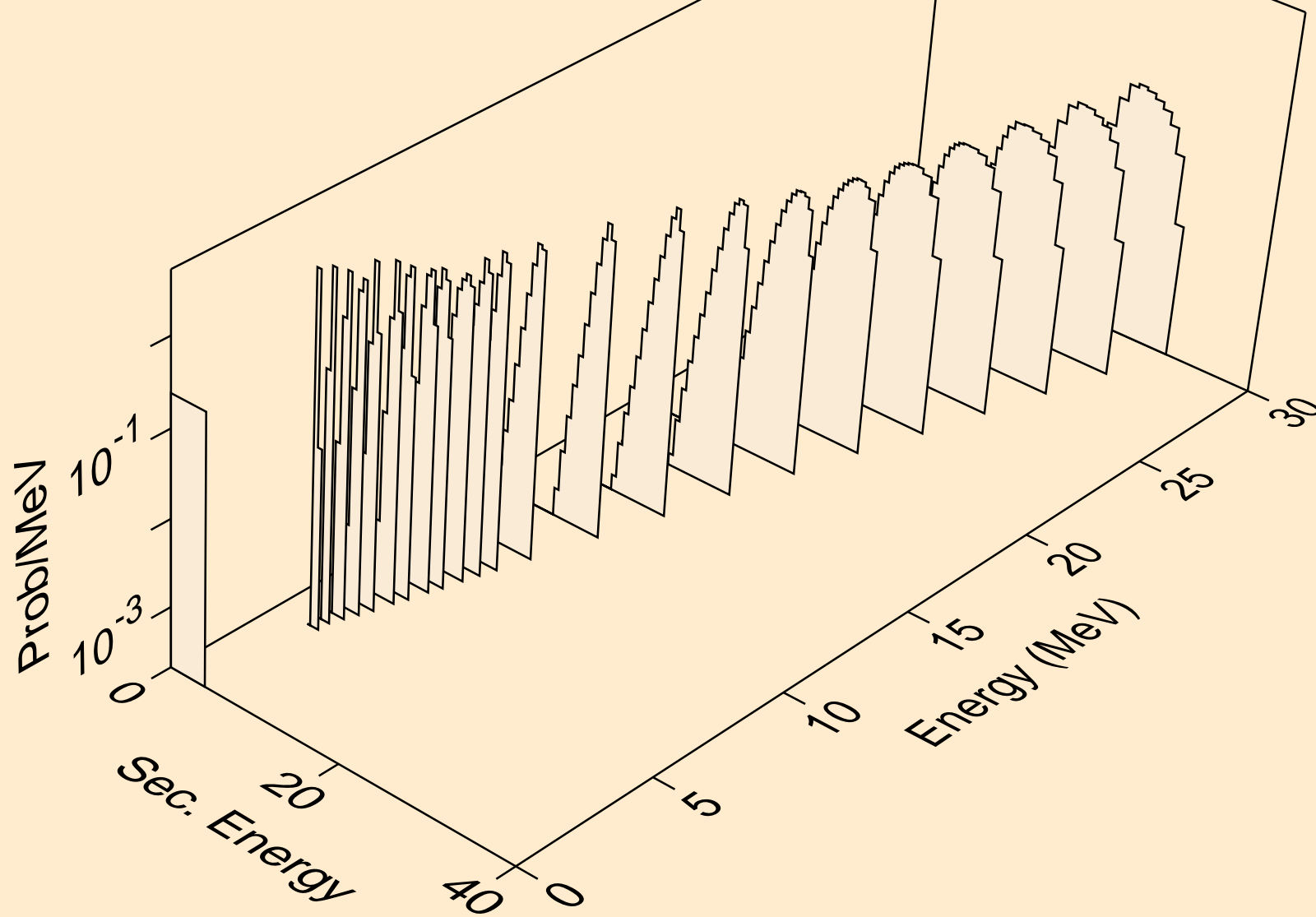
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)



ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)

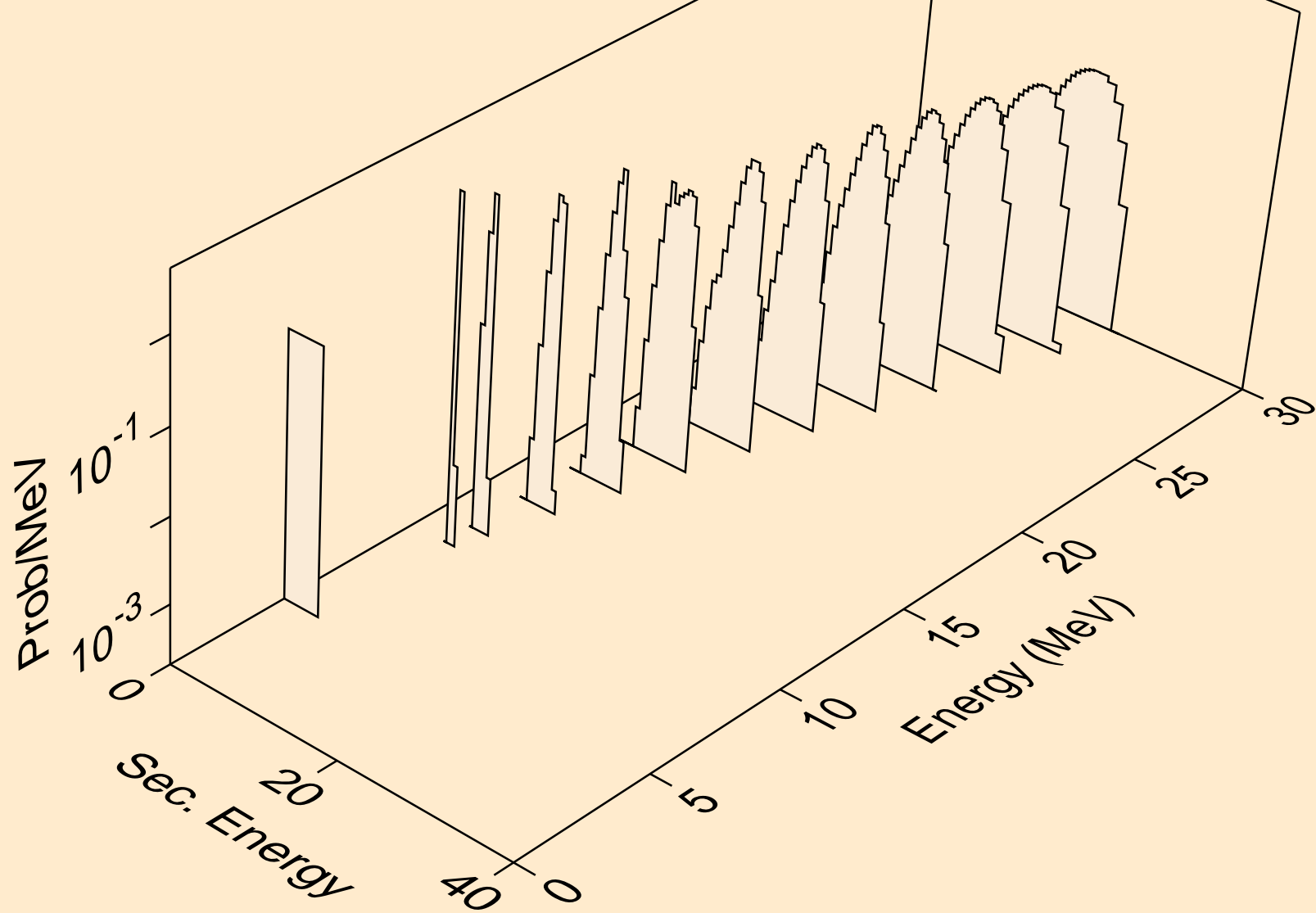


ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a

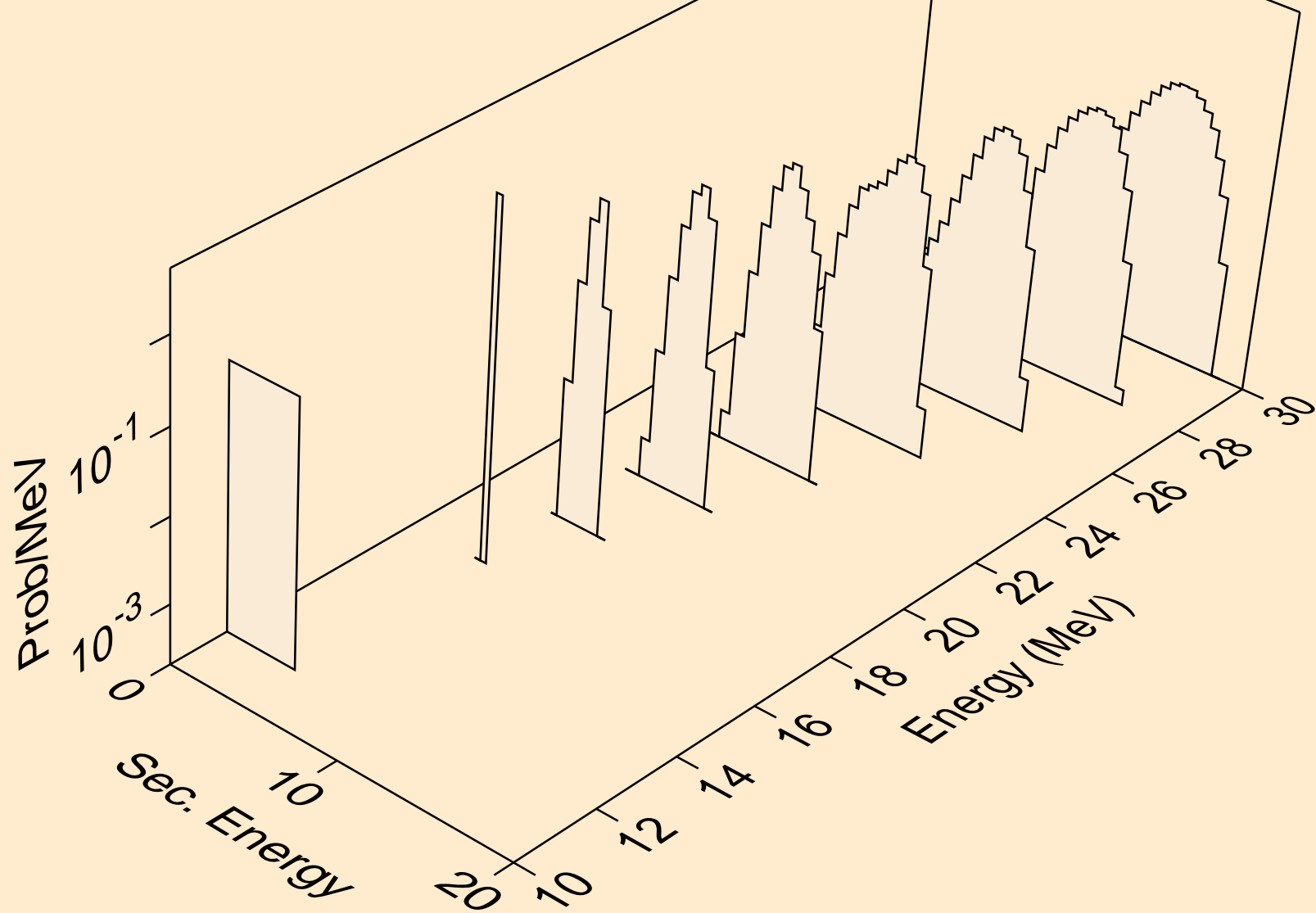




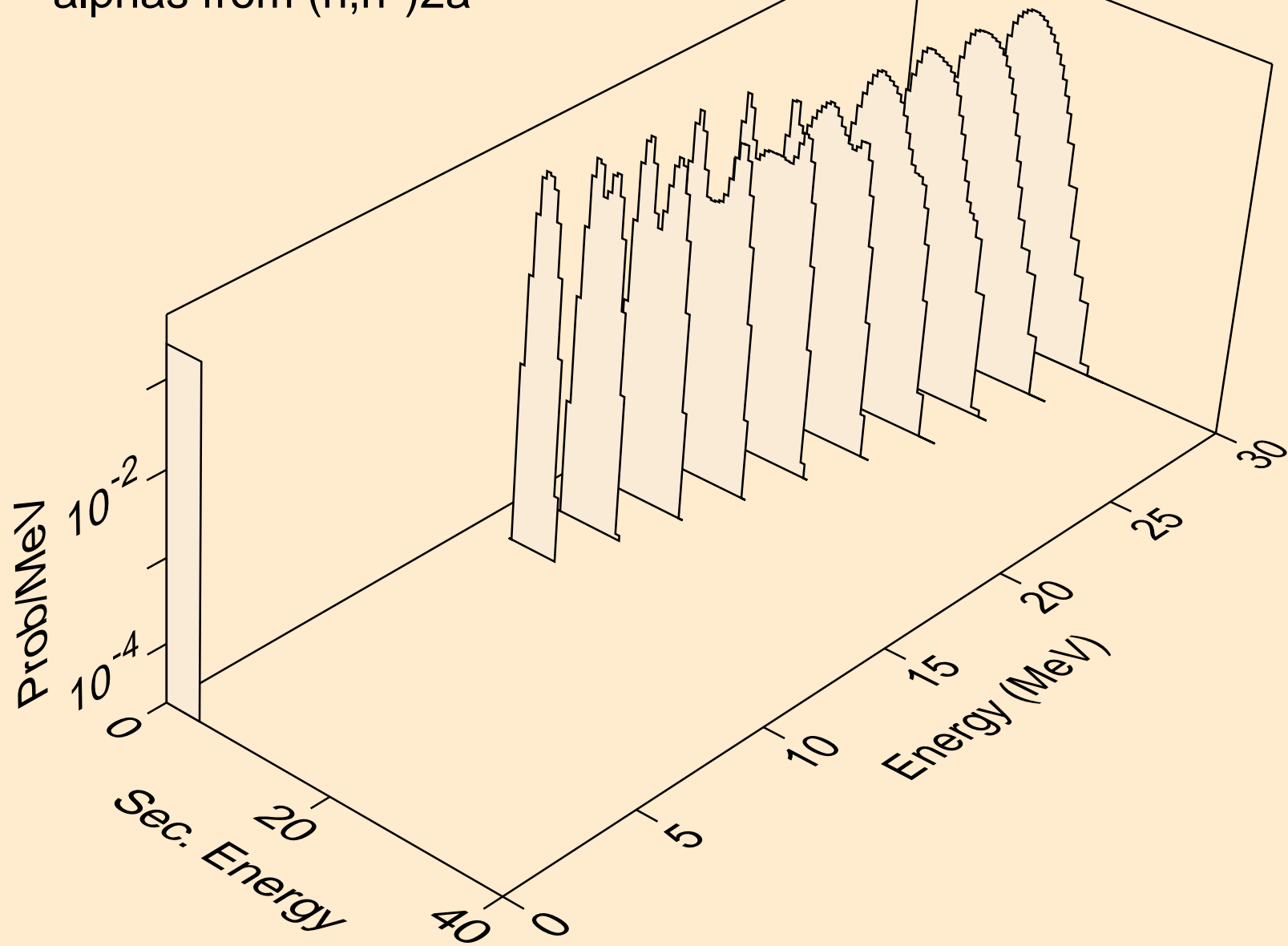
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



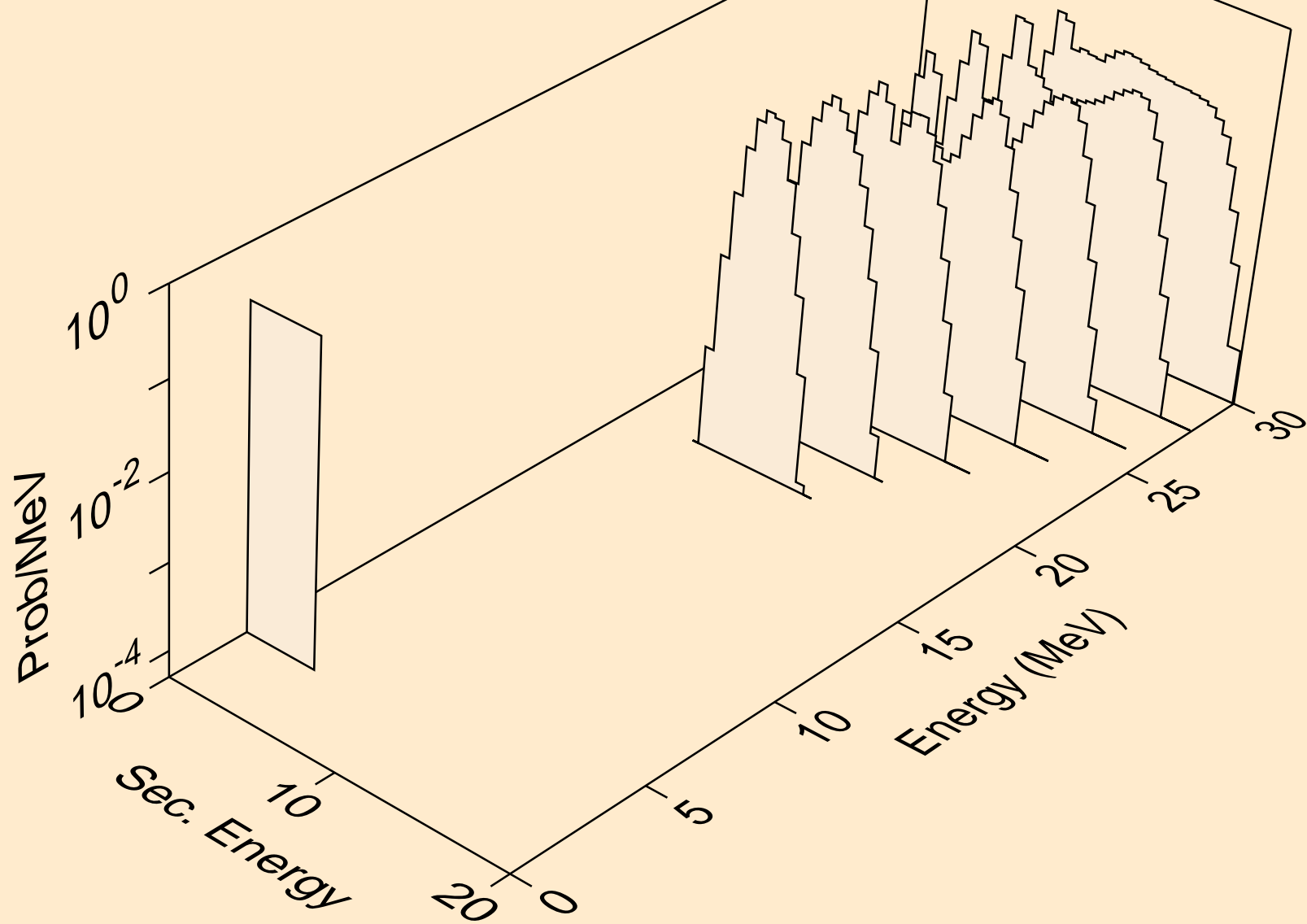
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a



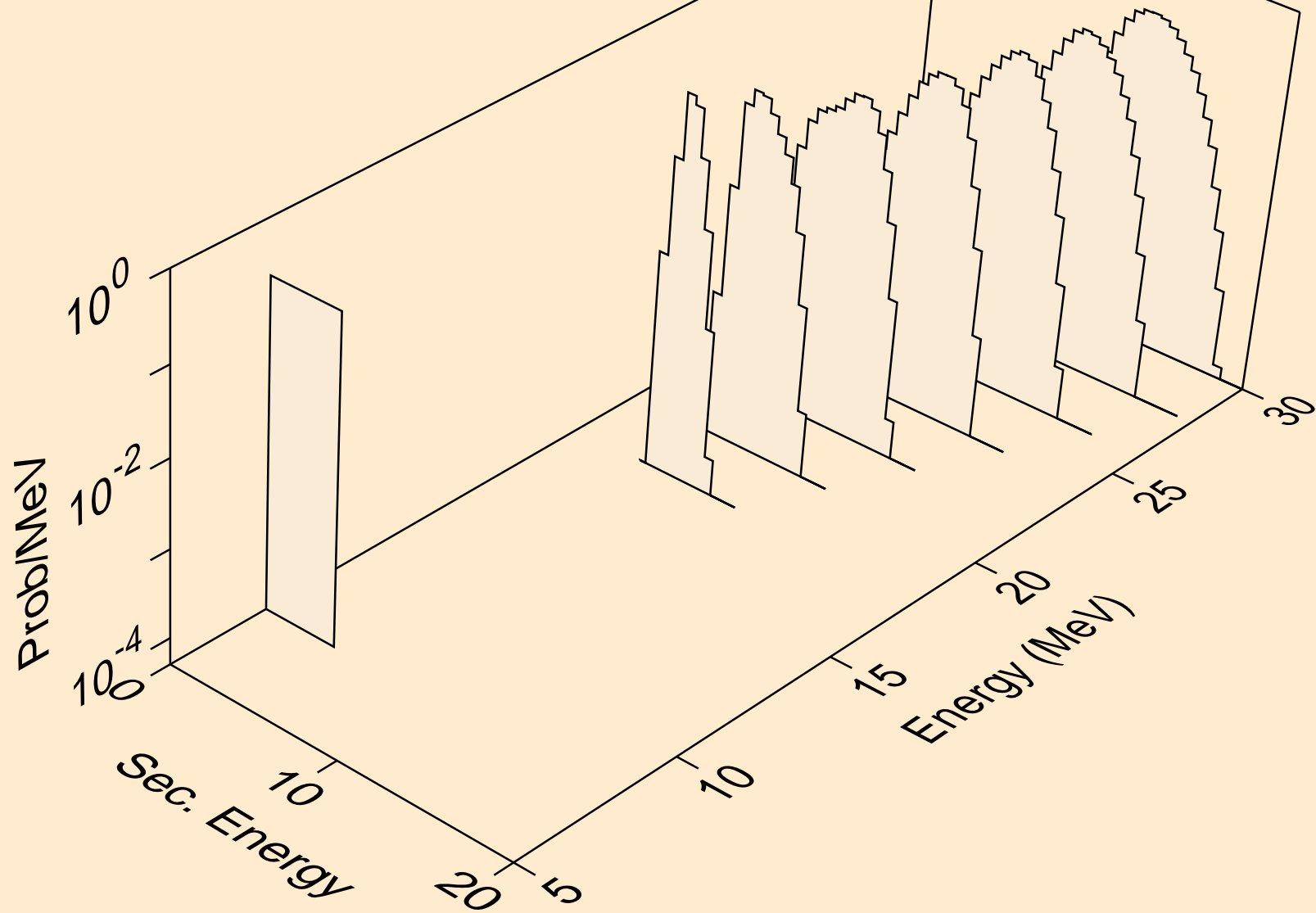
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)2a



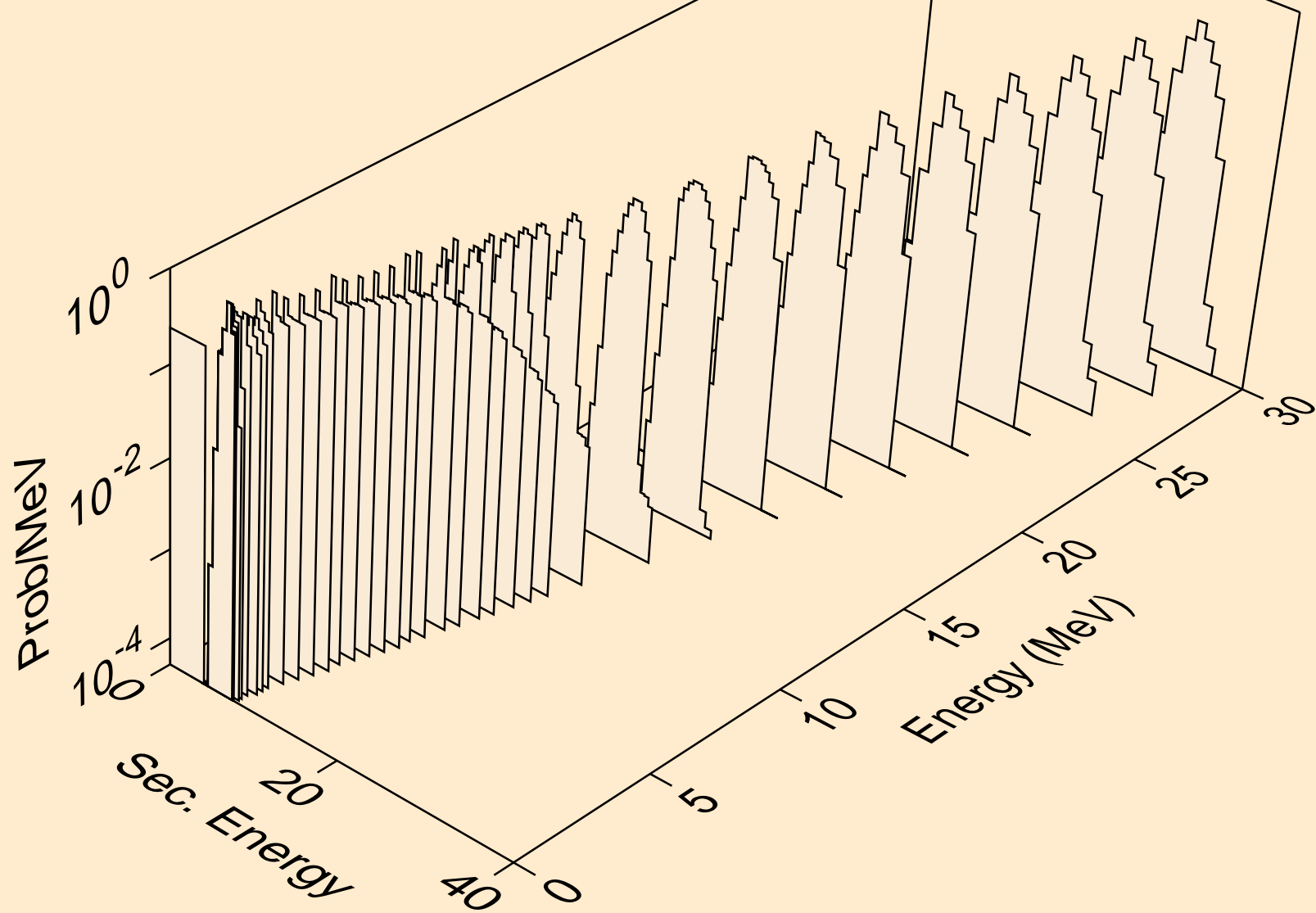
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)2a



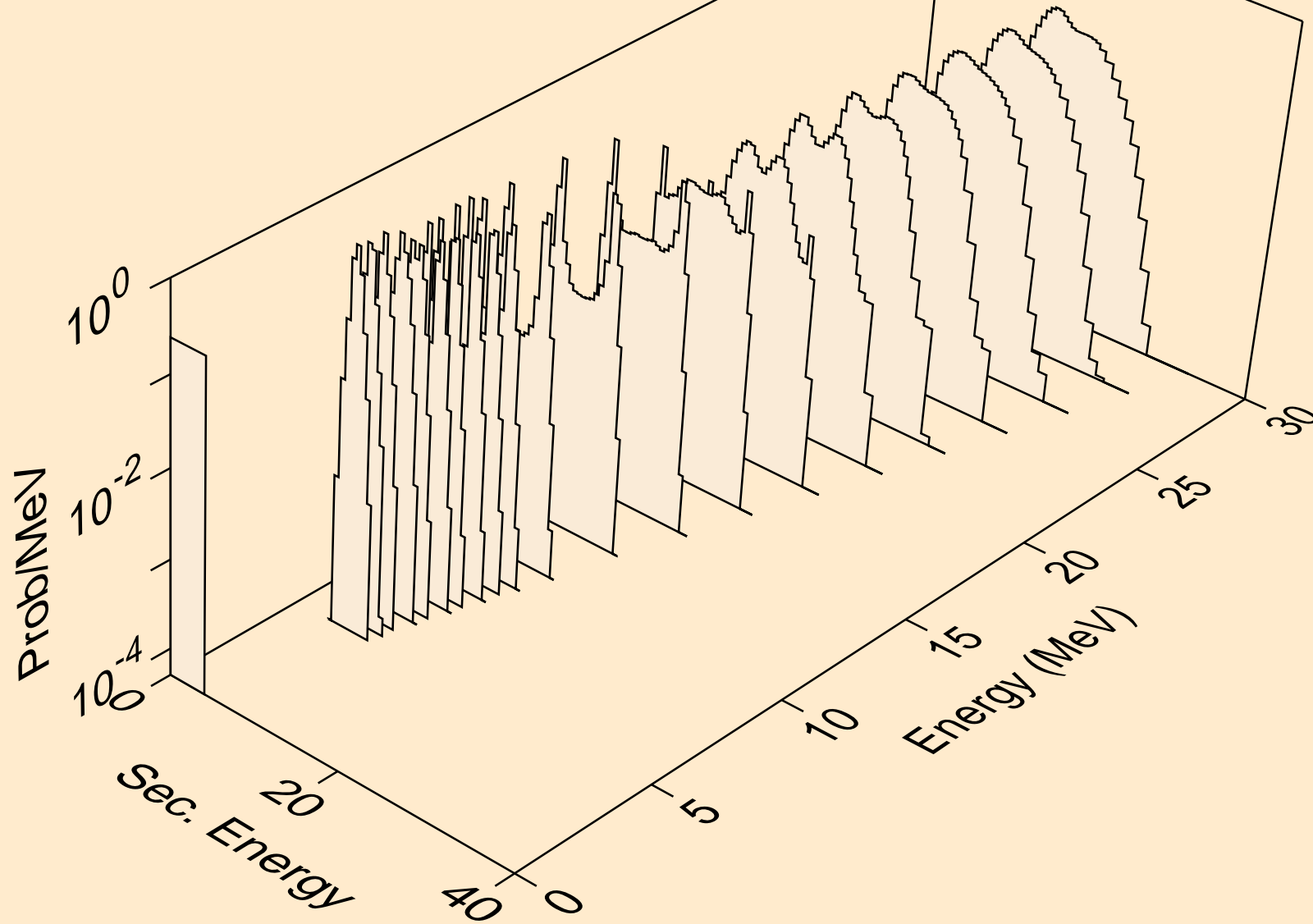
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)



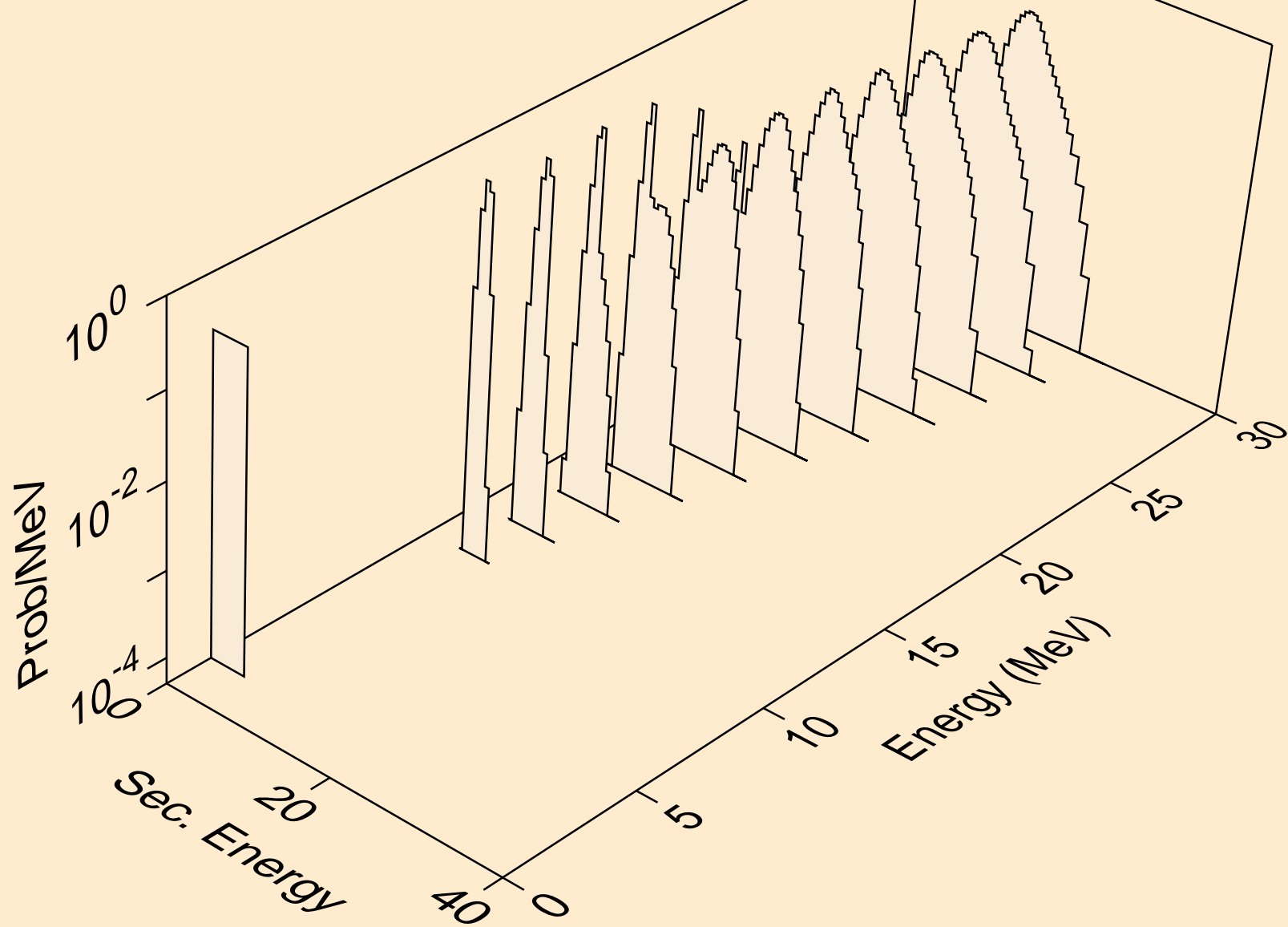
ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)





ND147 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

