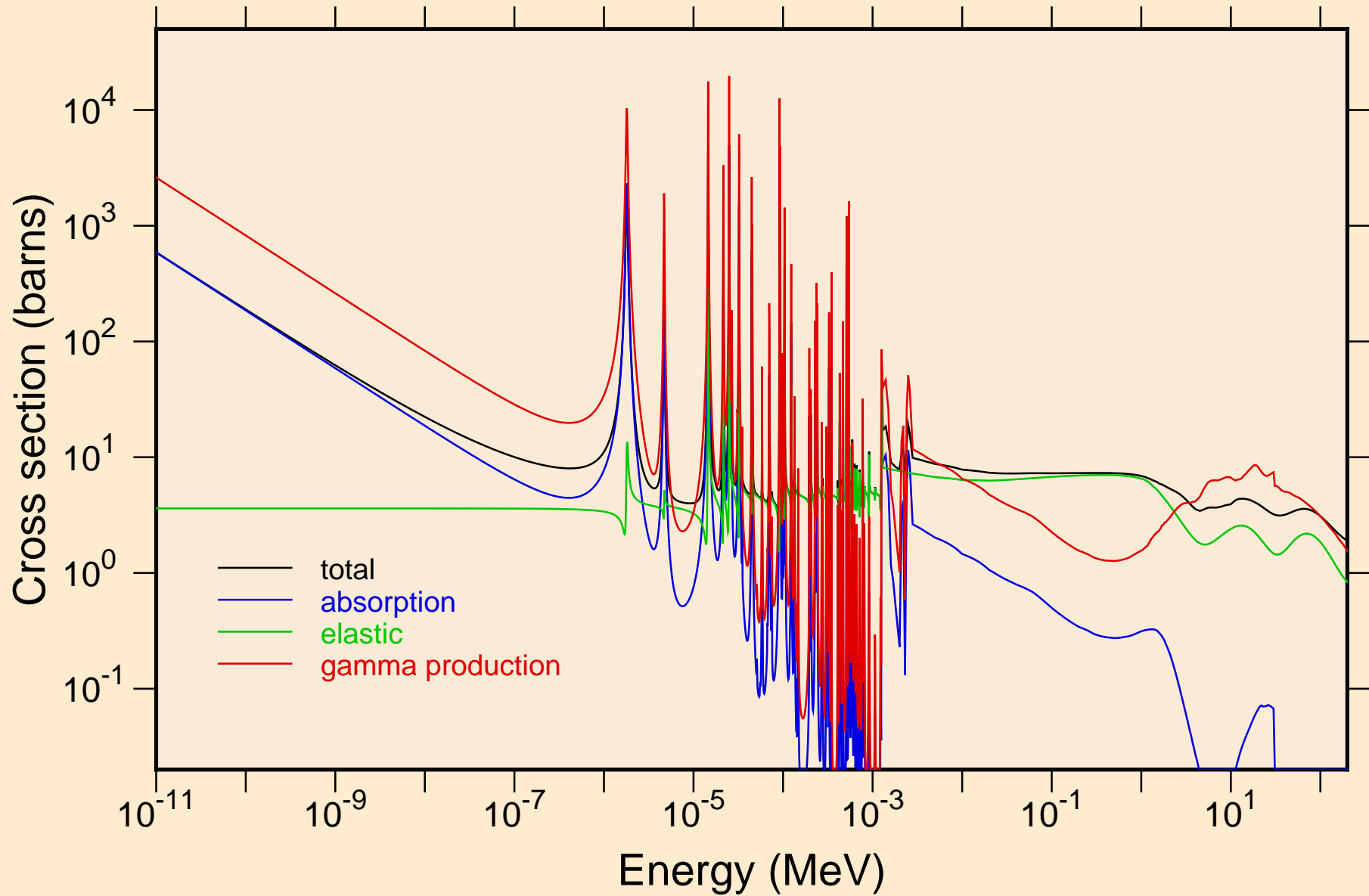
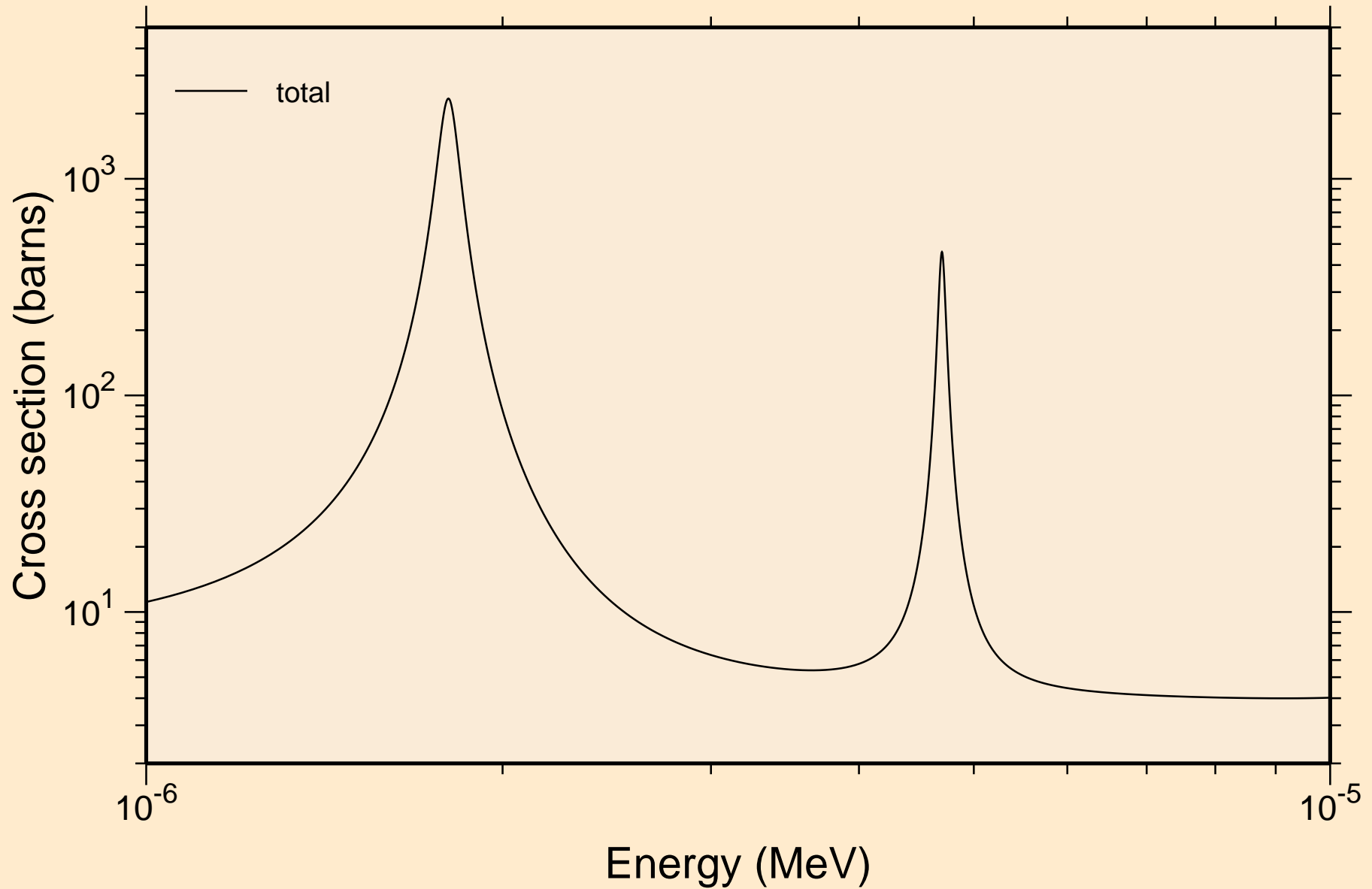


# IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

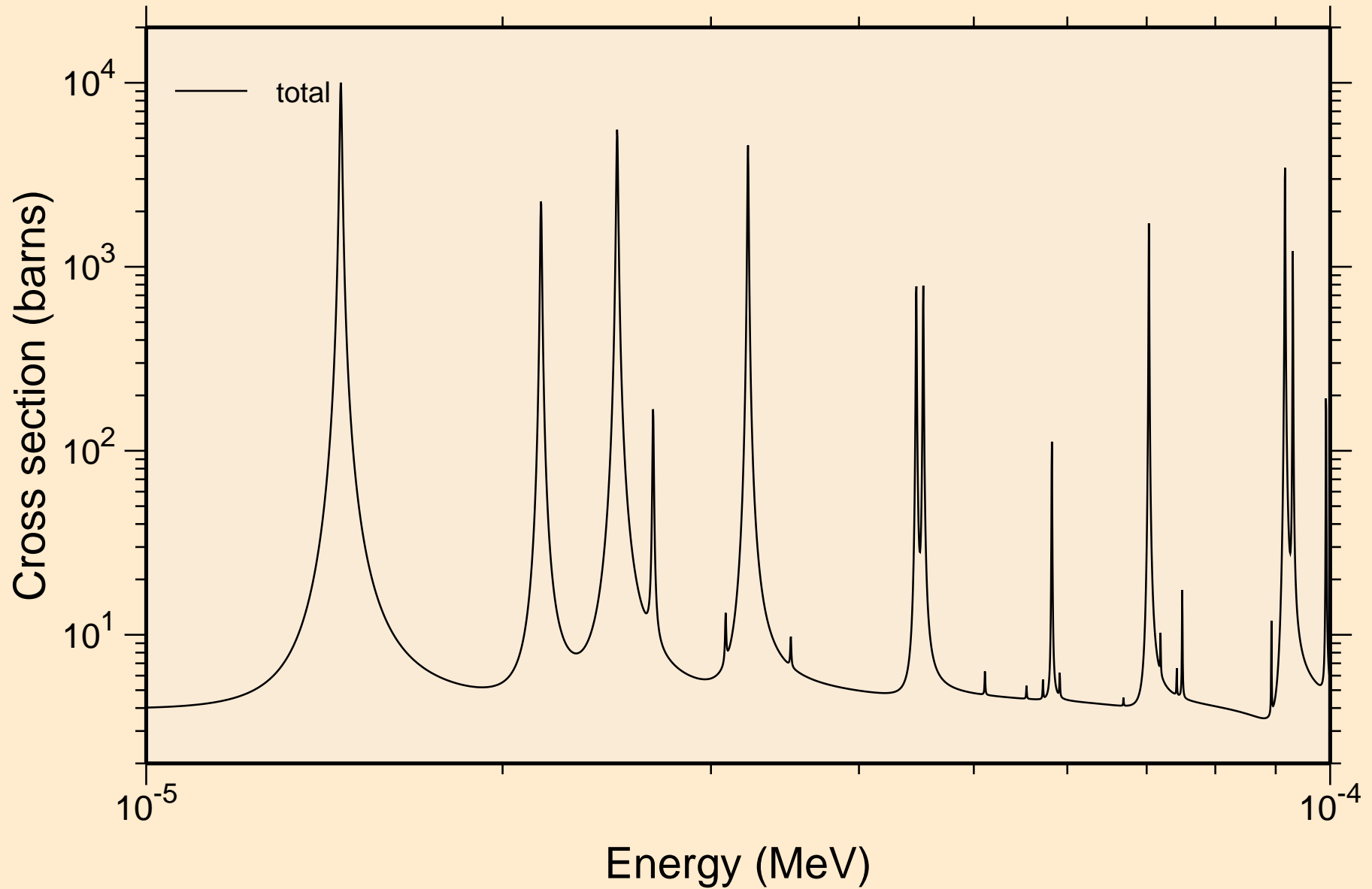
## Principal cross sections



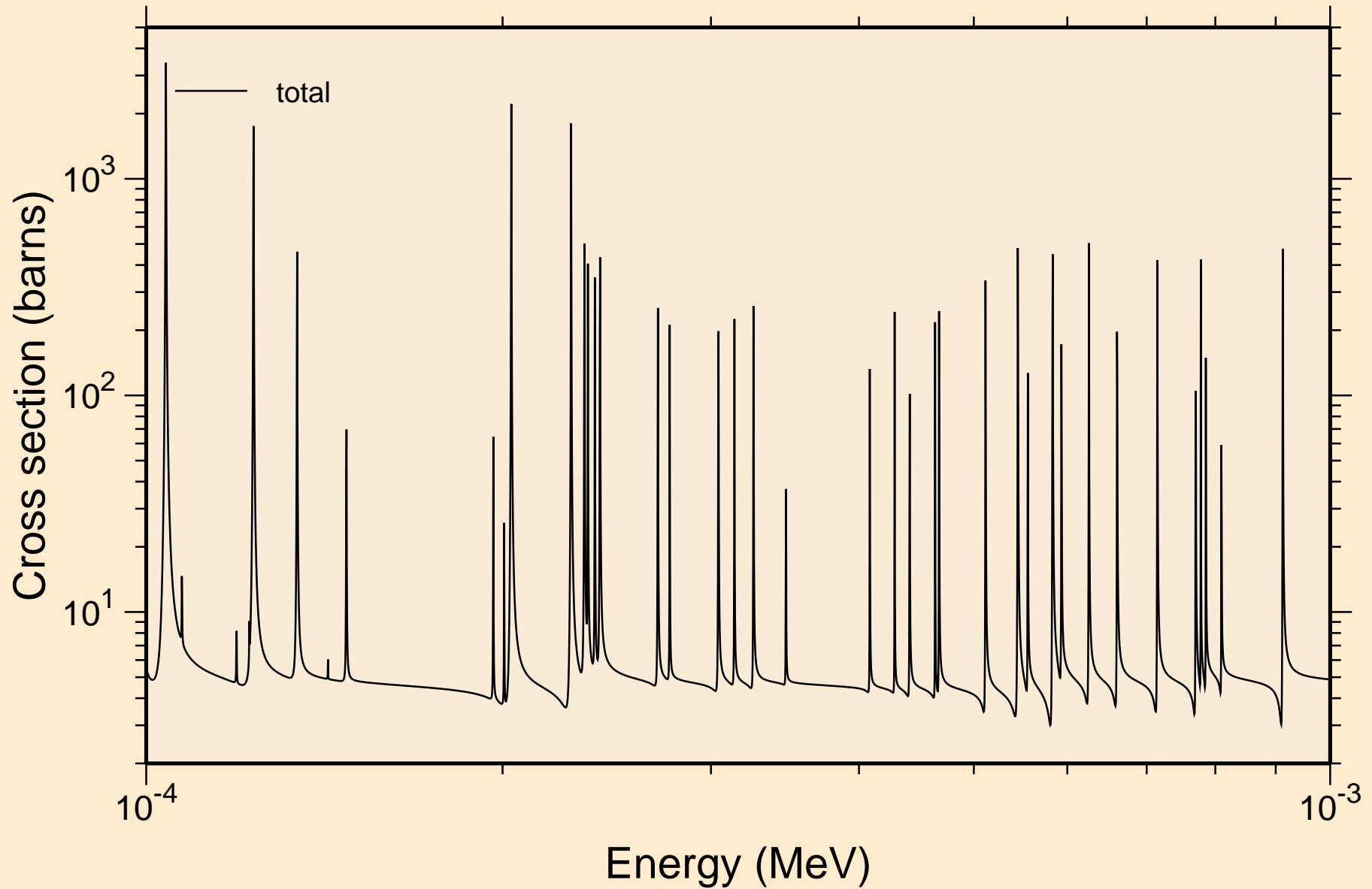
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



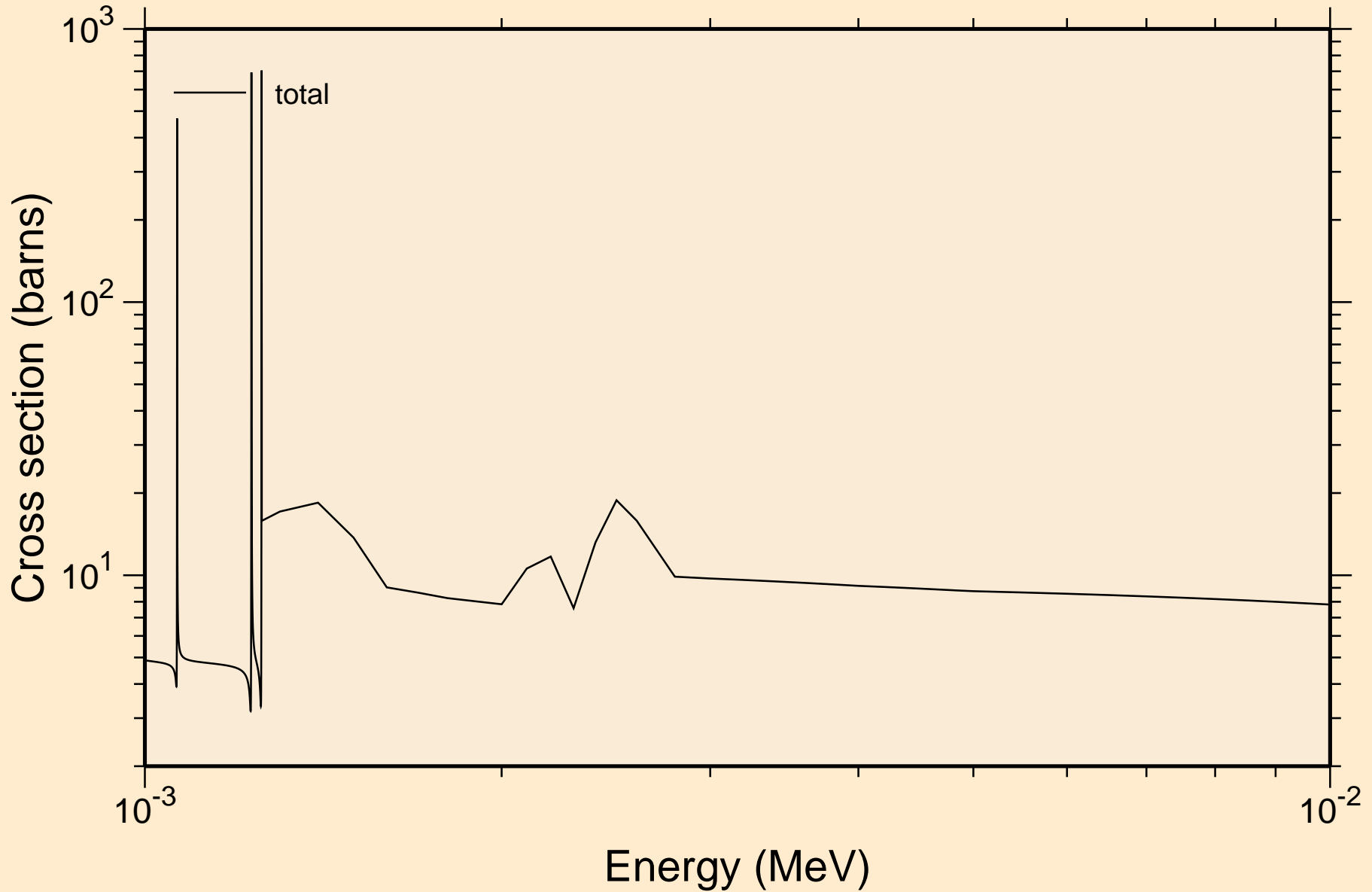
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



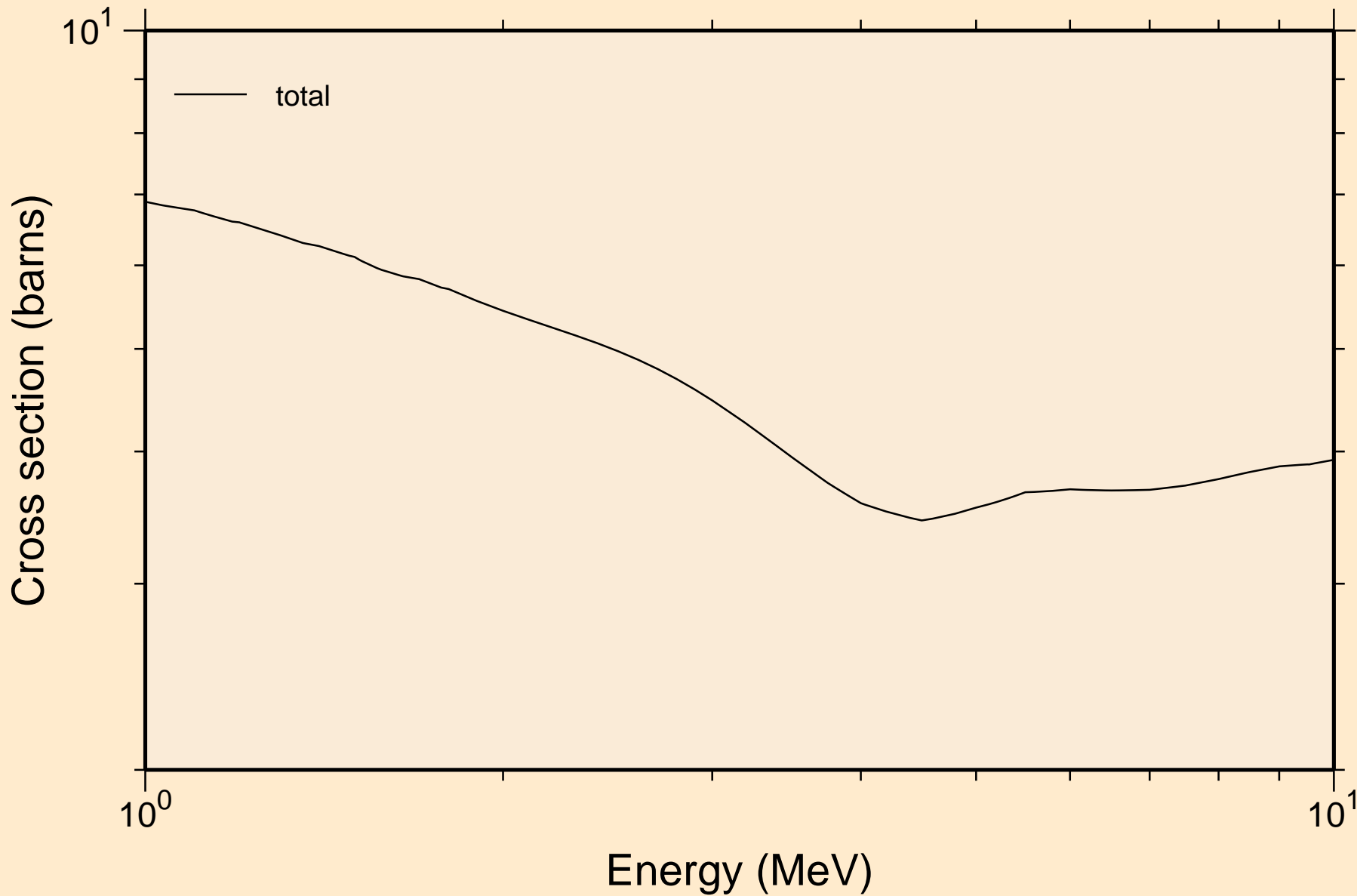
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resonance total cross section



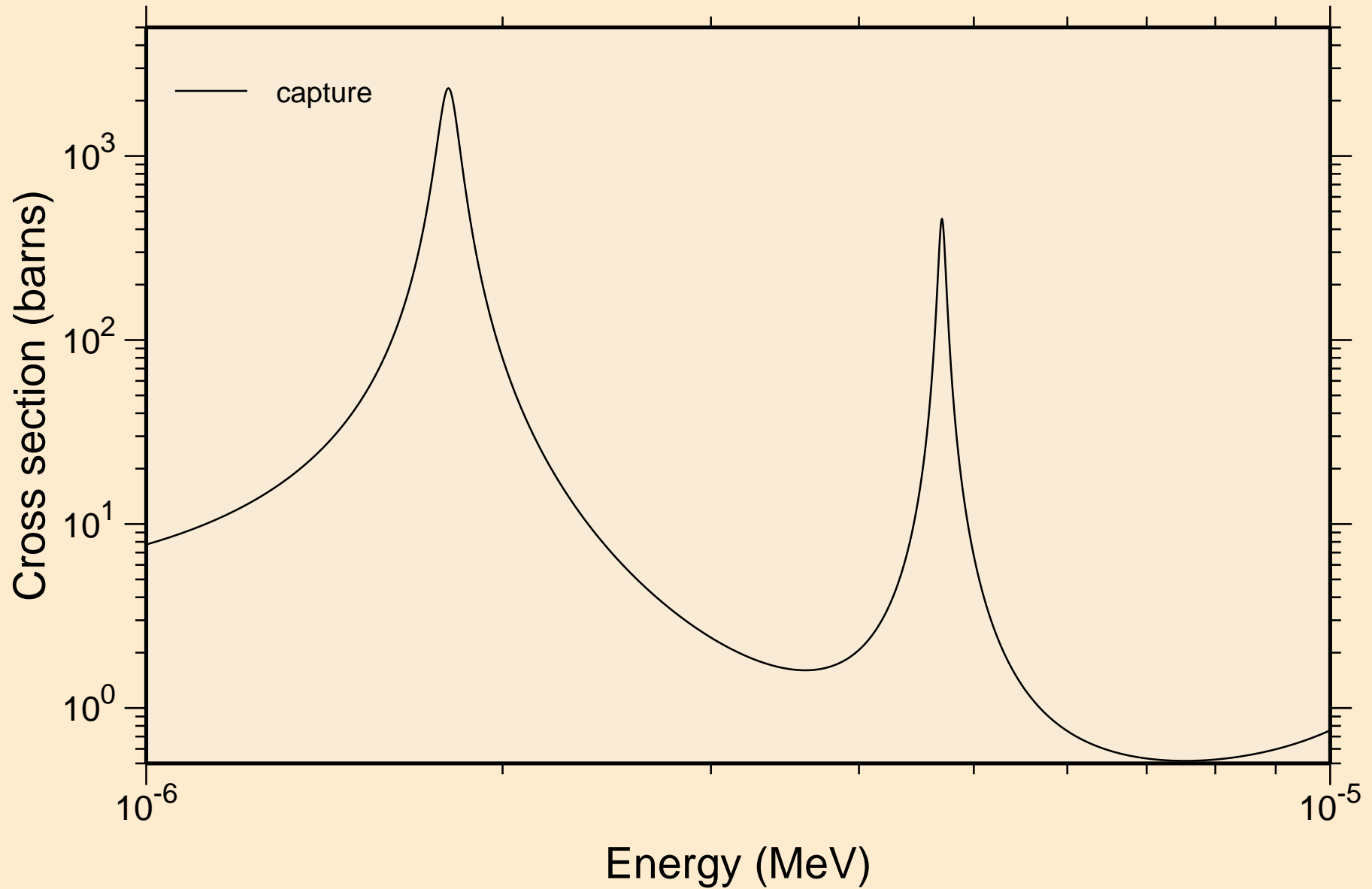
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



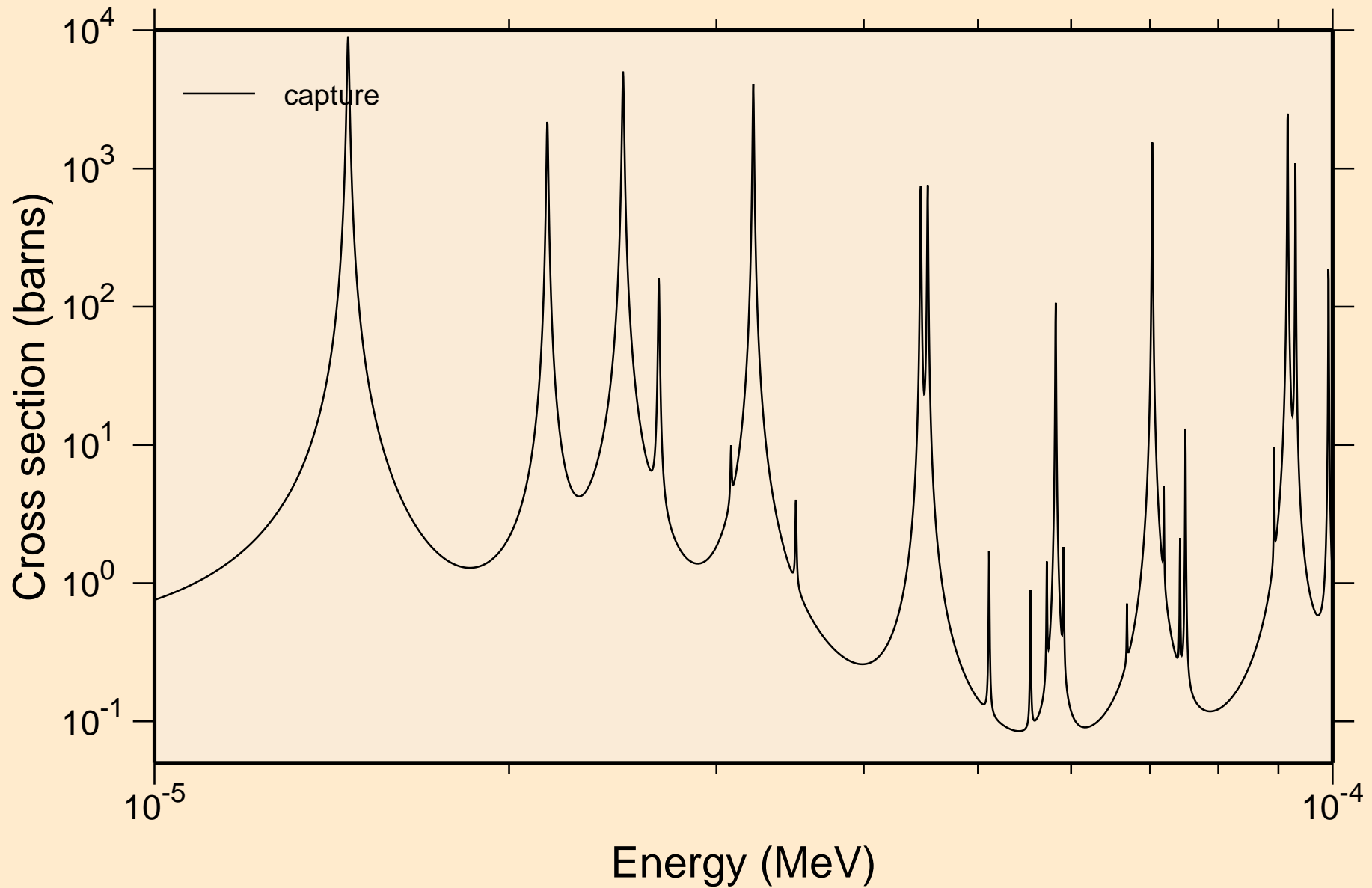
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

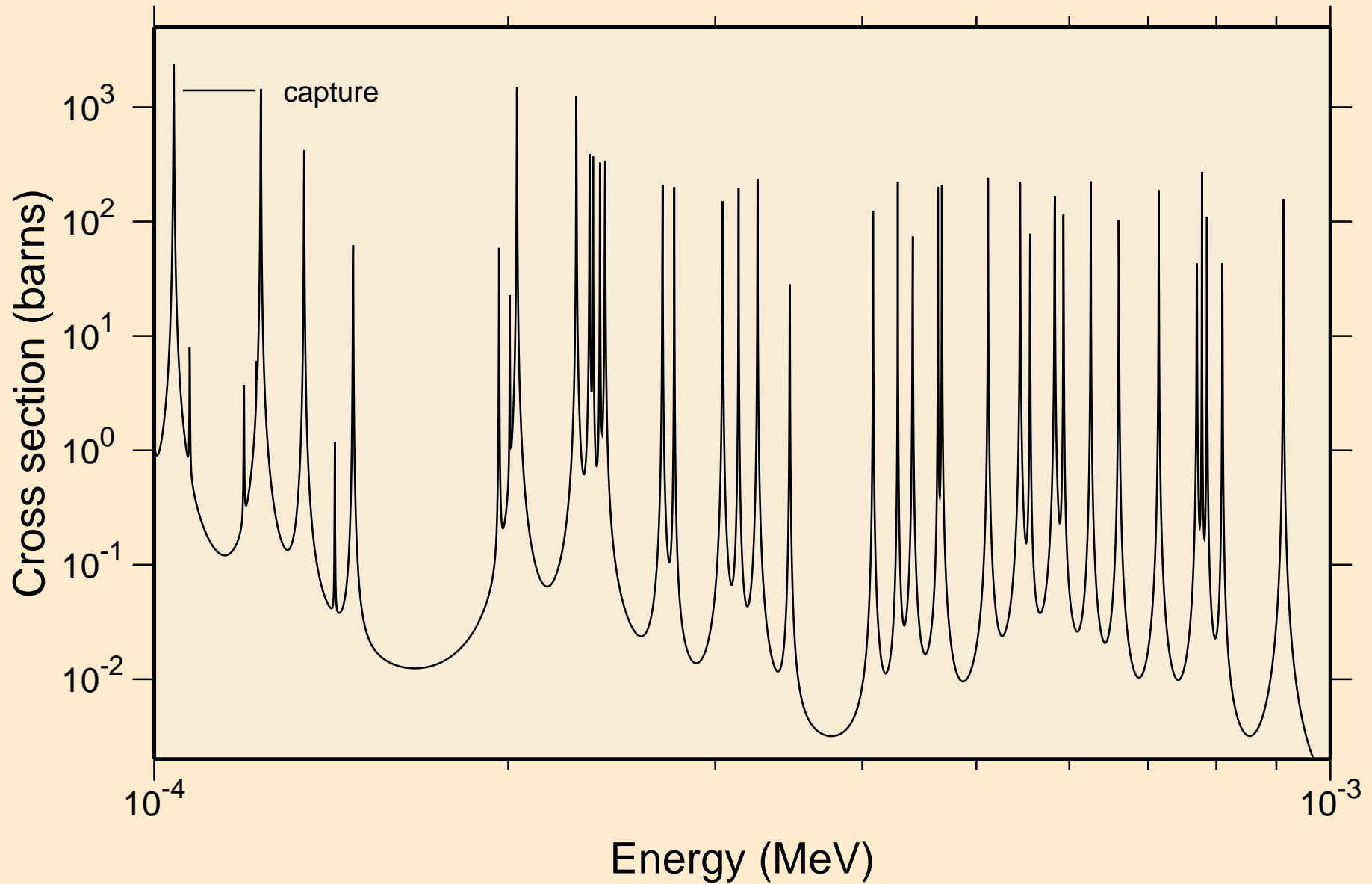


IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

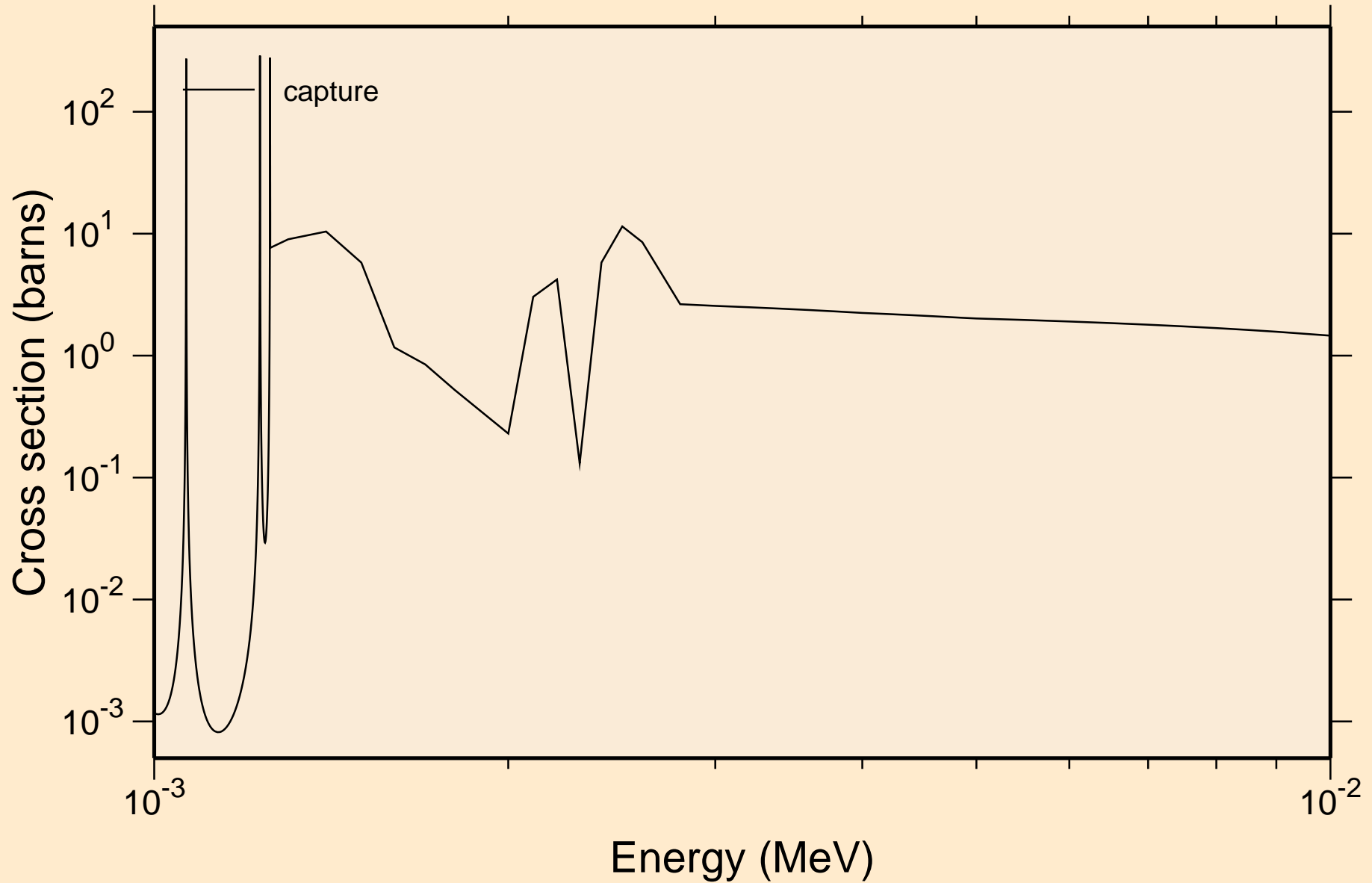




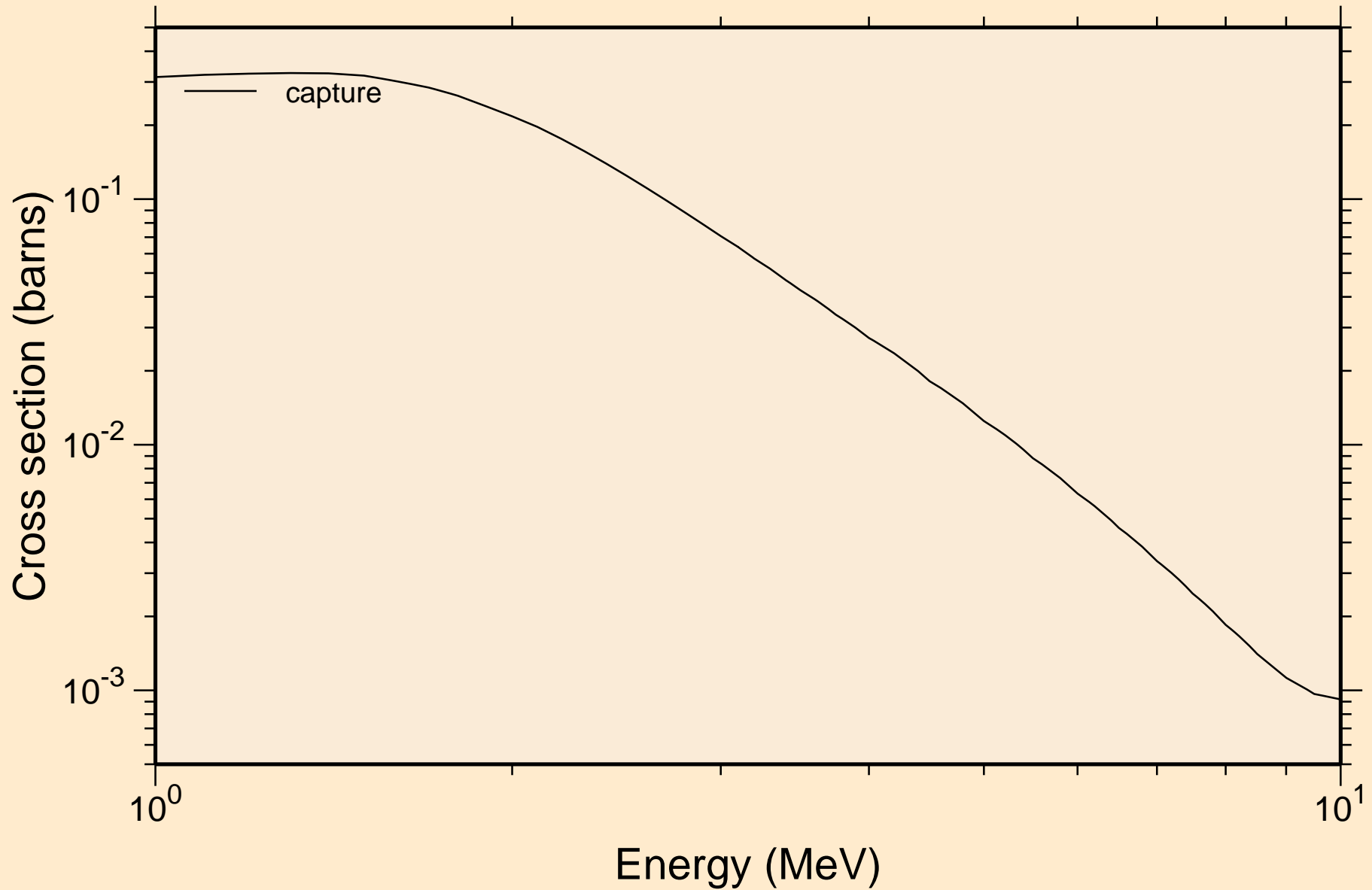
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

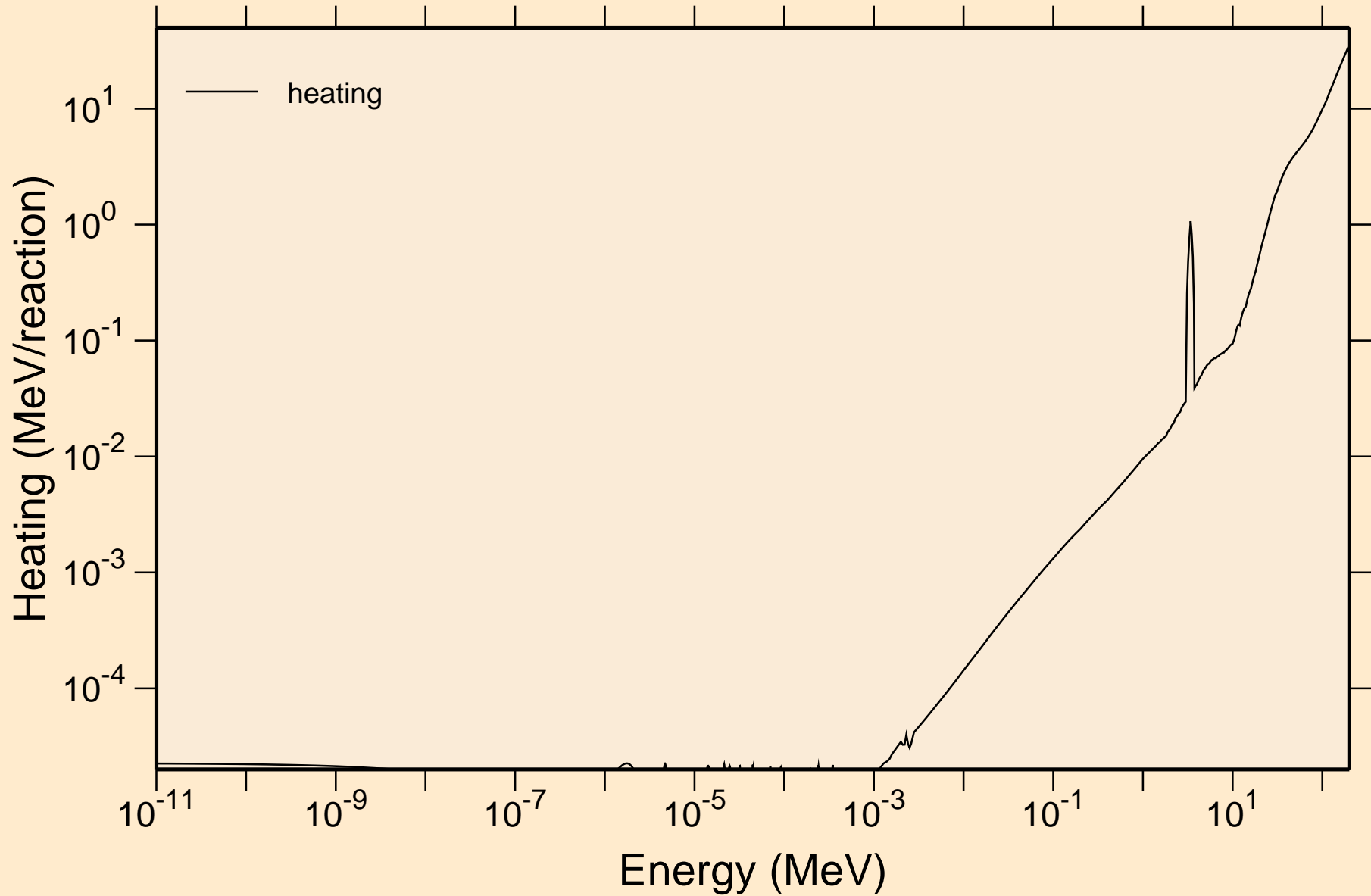


IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



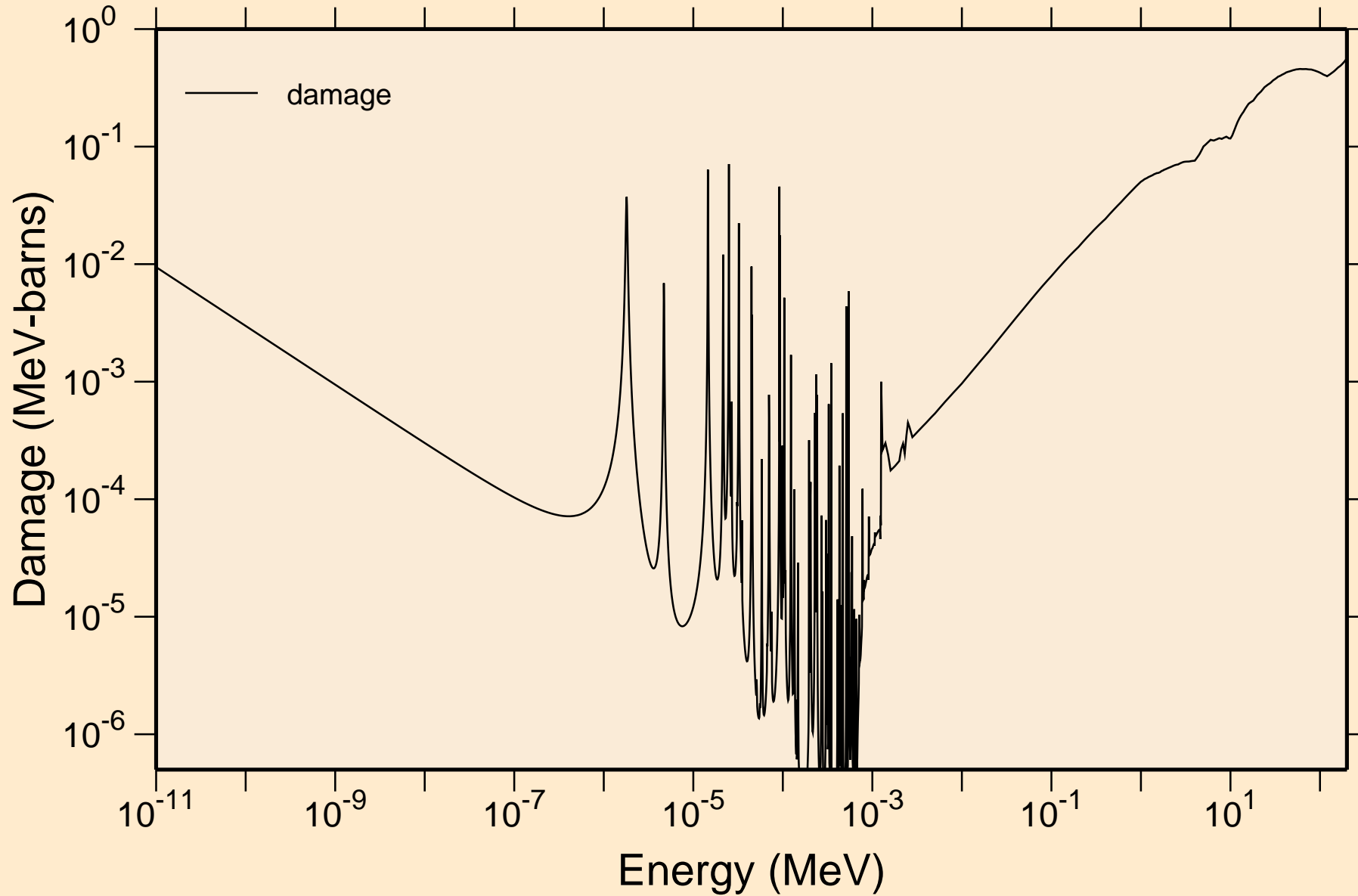
# IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



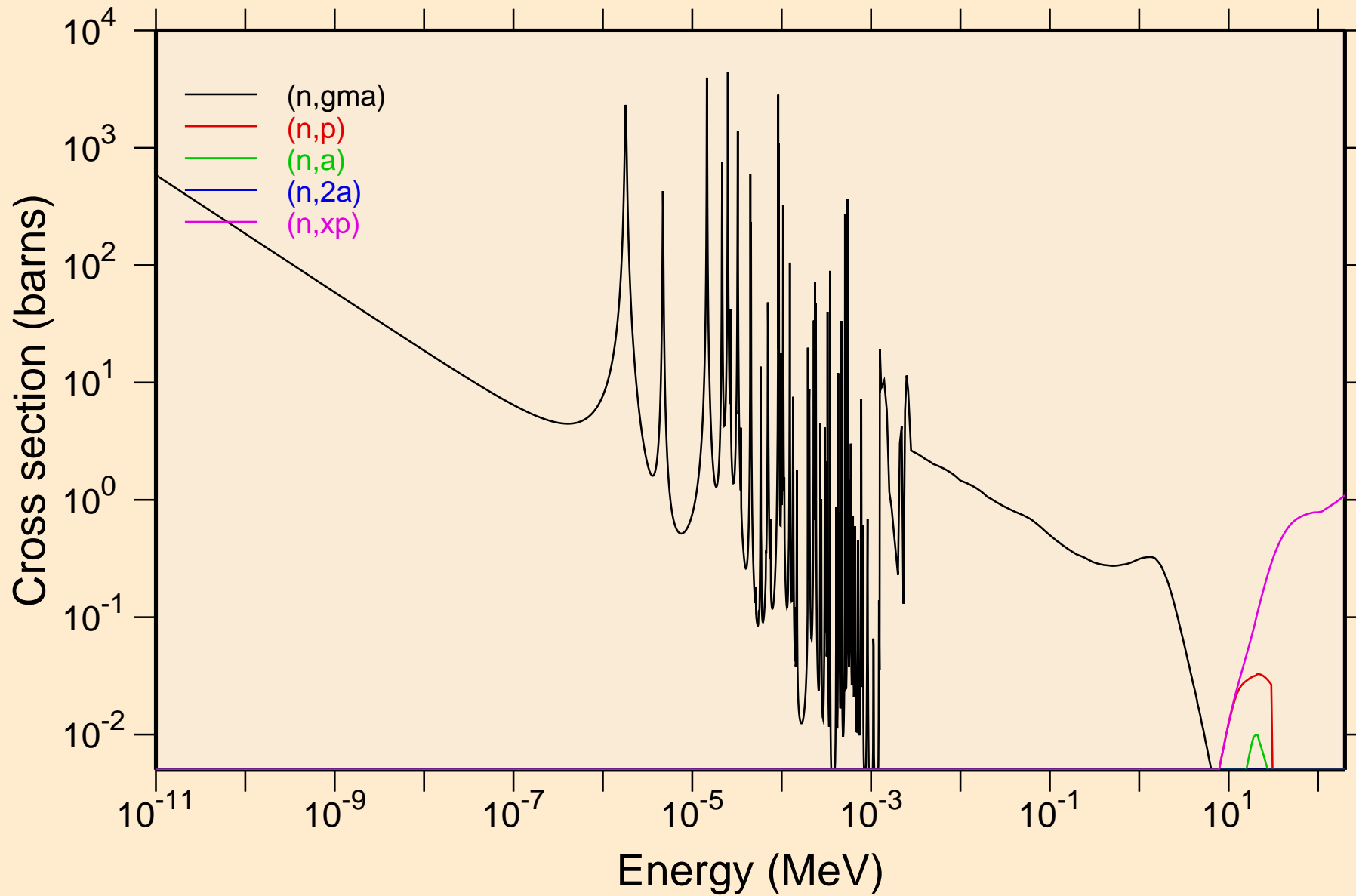
# IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage

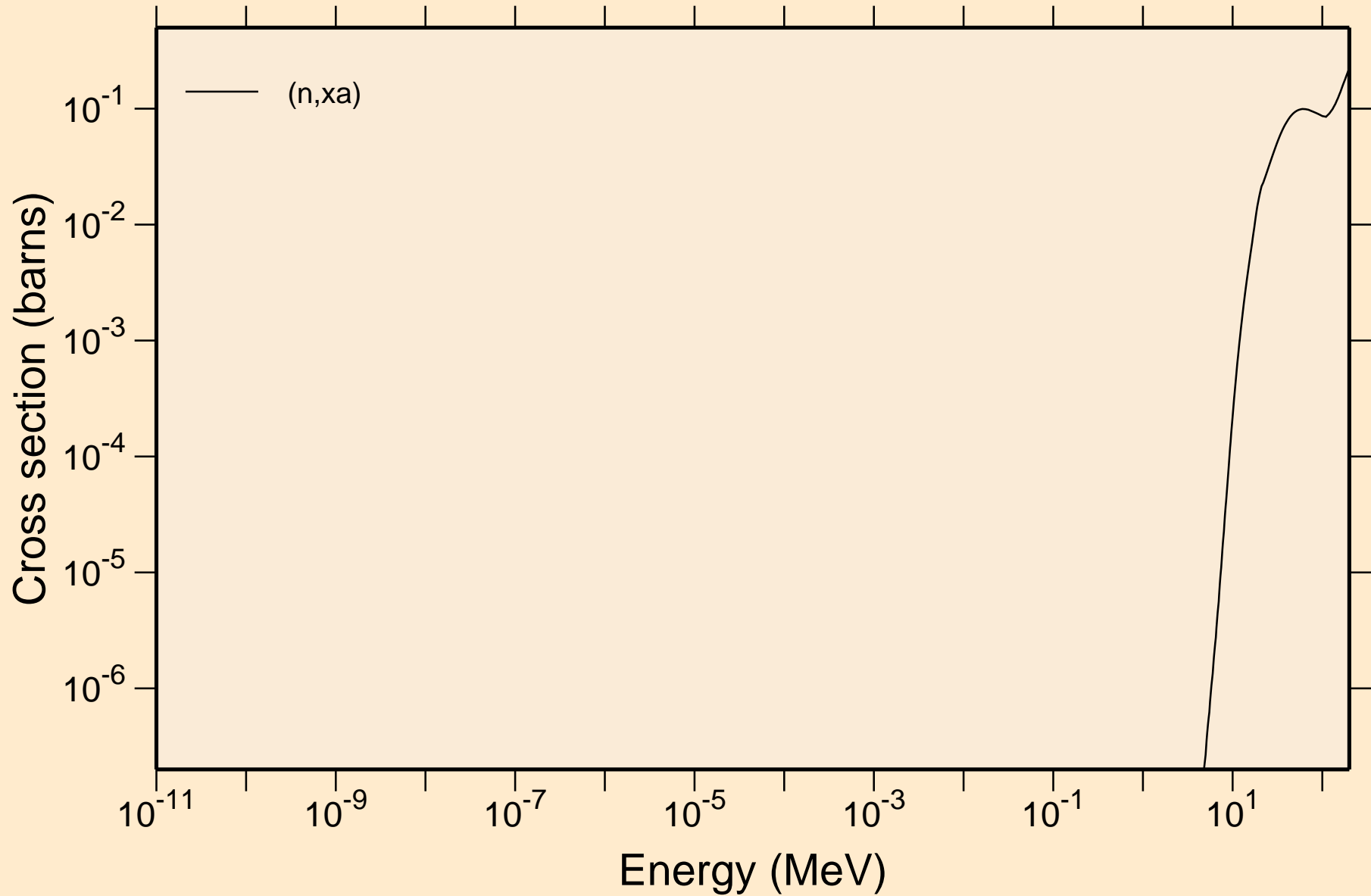


# IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

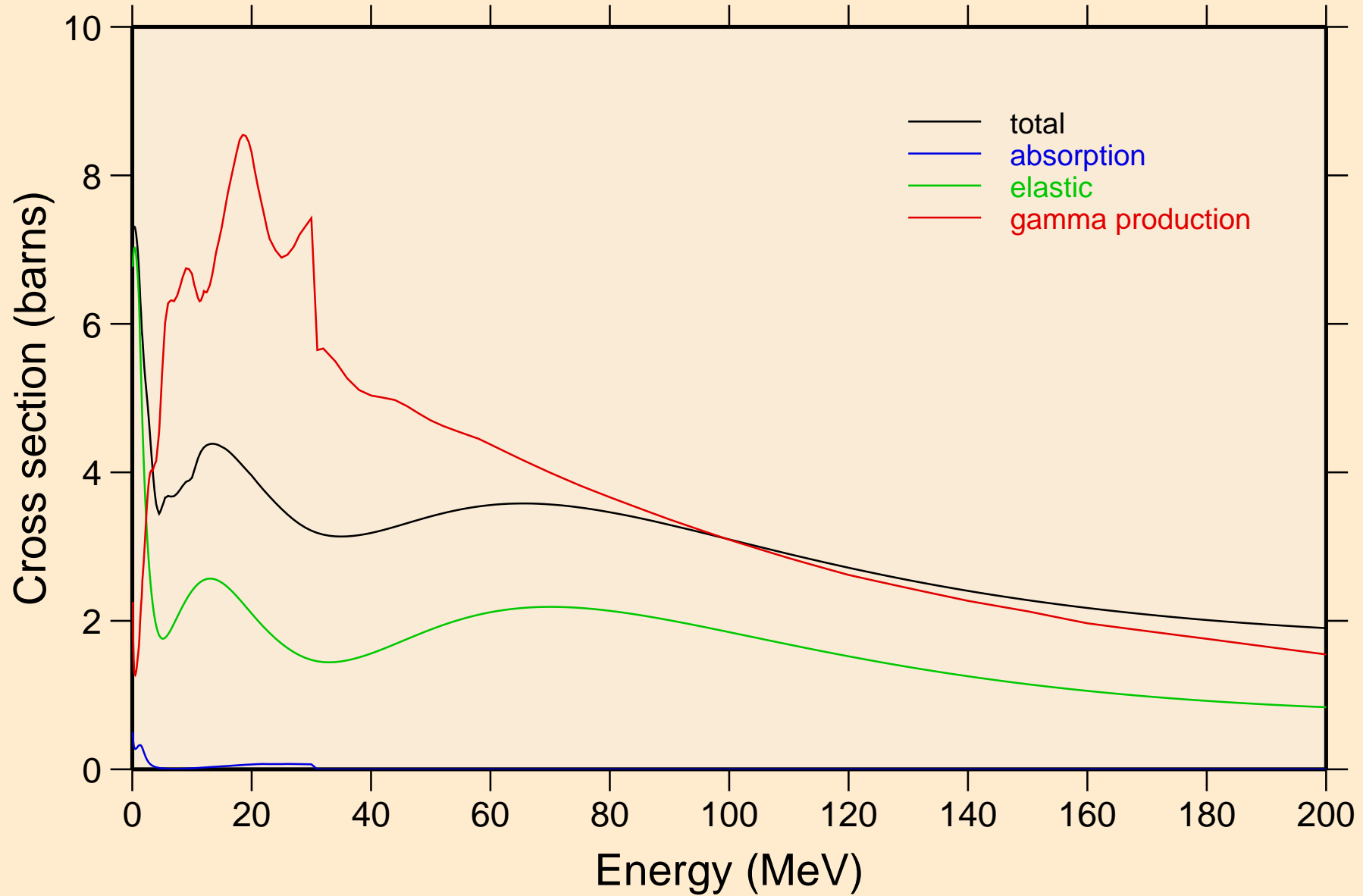


IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



# IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

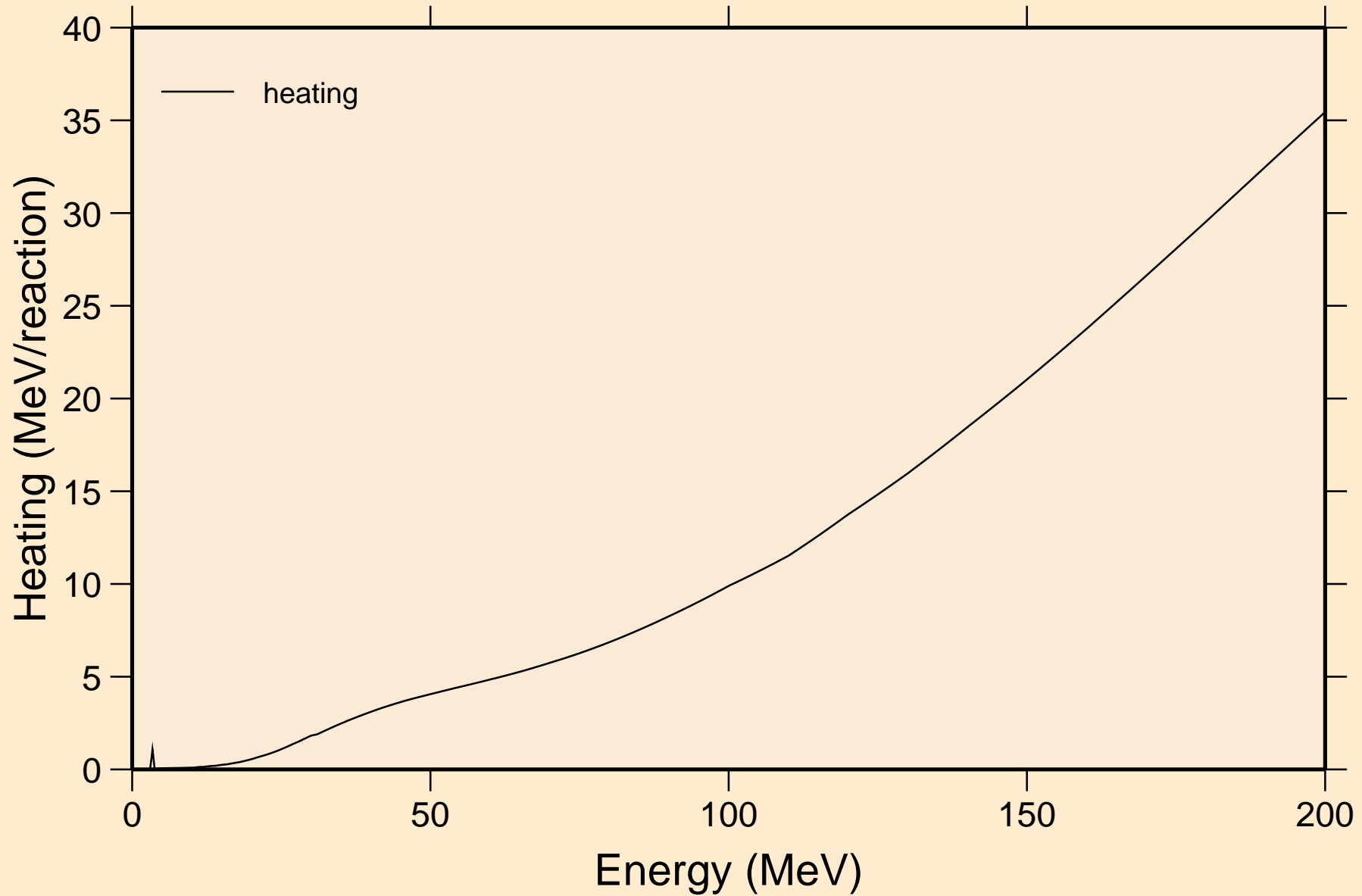
## Principal cross sections





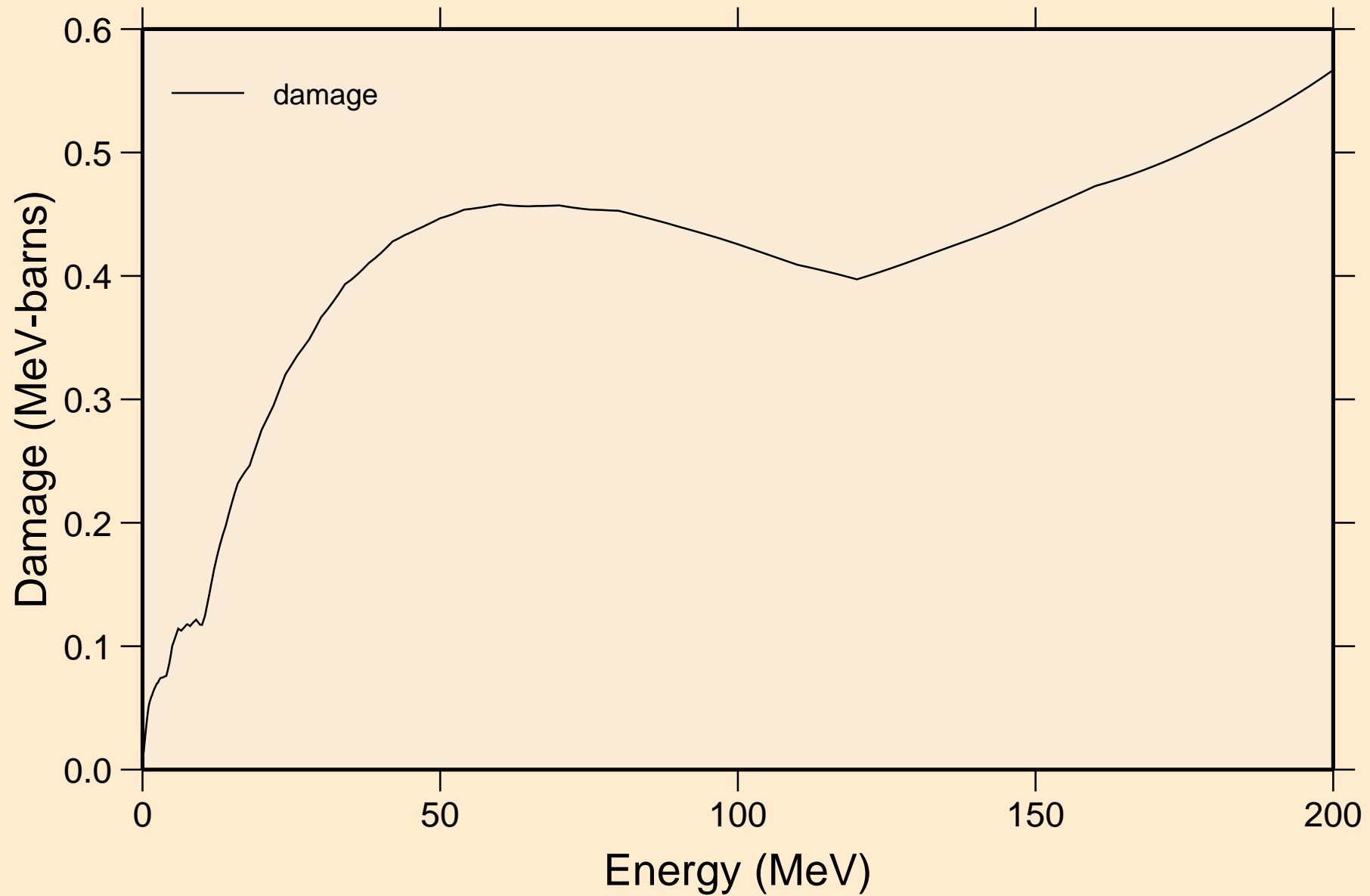
# IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



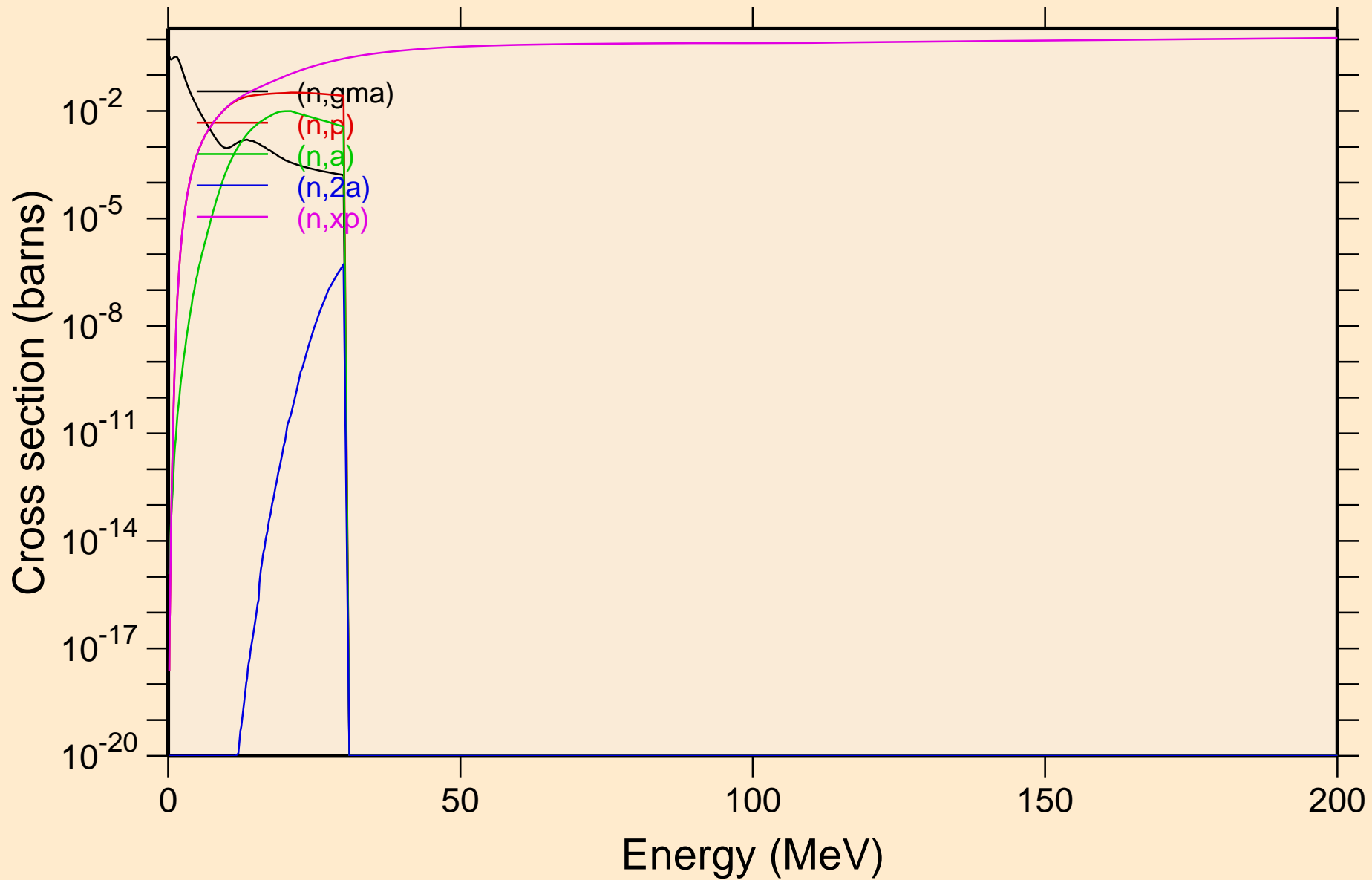
# IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage

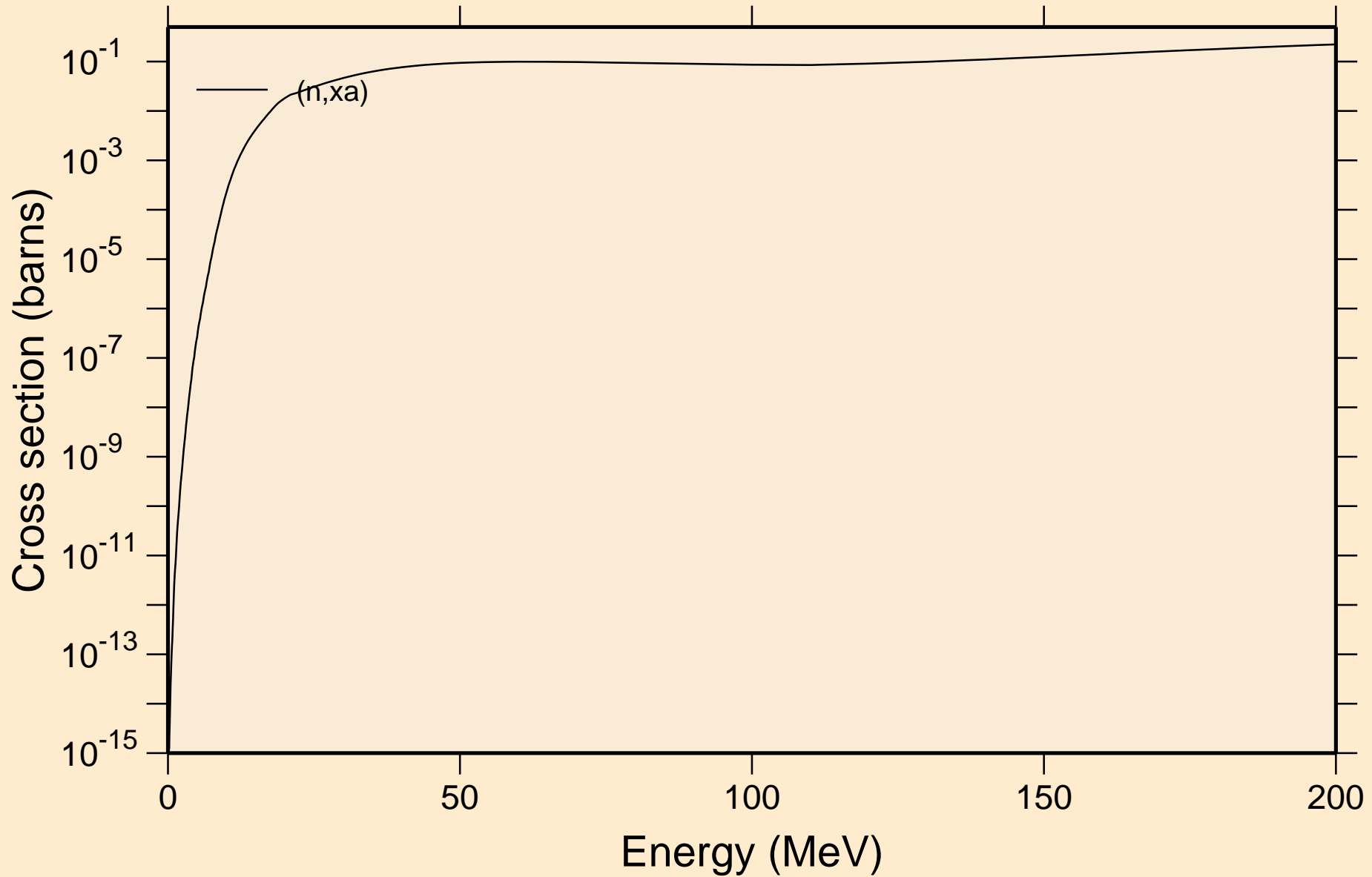


# IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

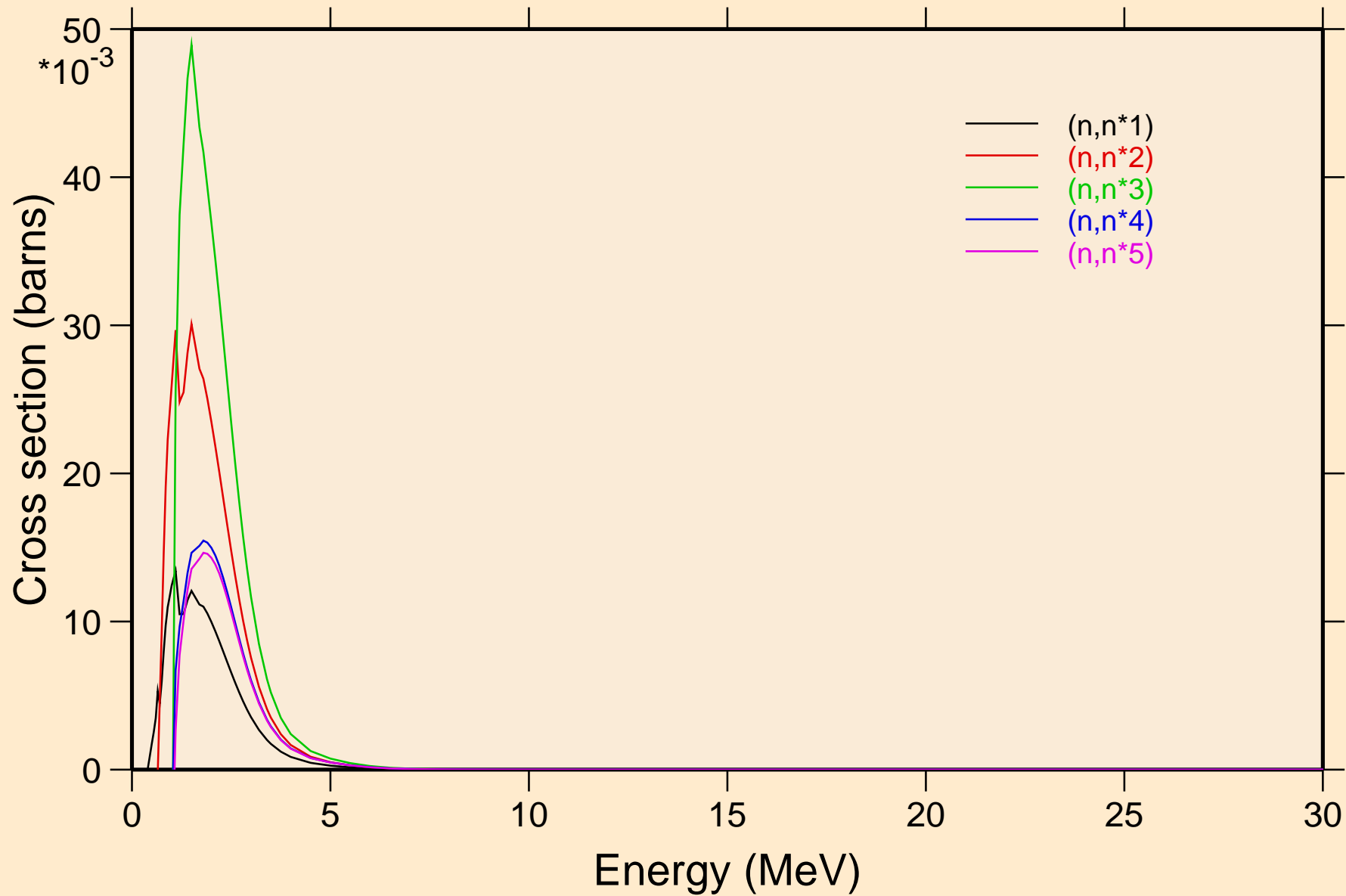
## Non-threshold reactions



IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

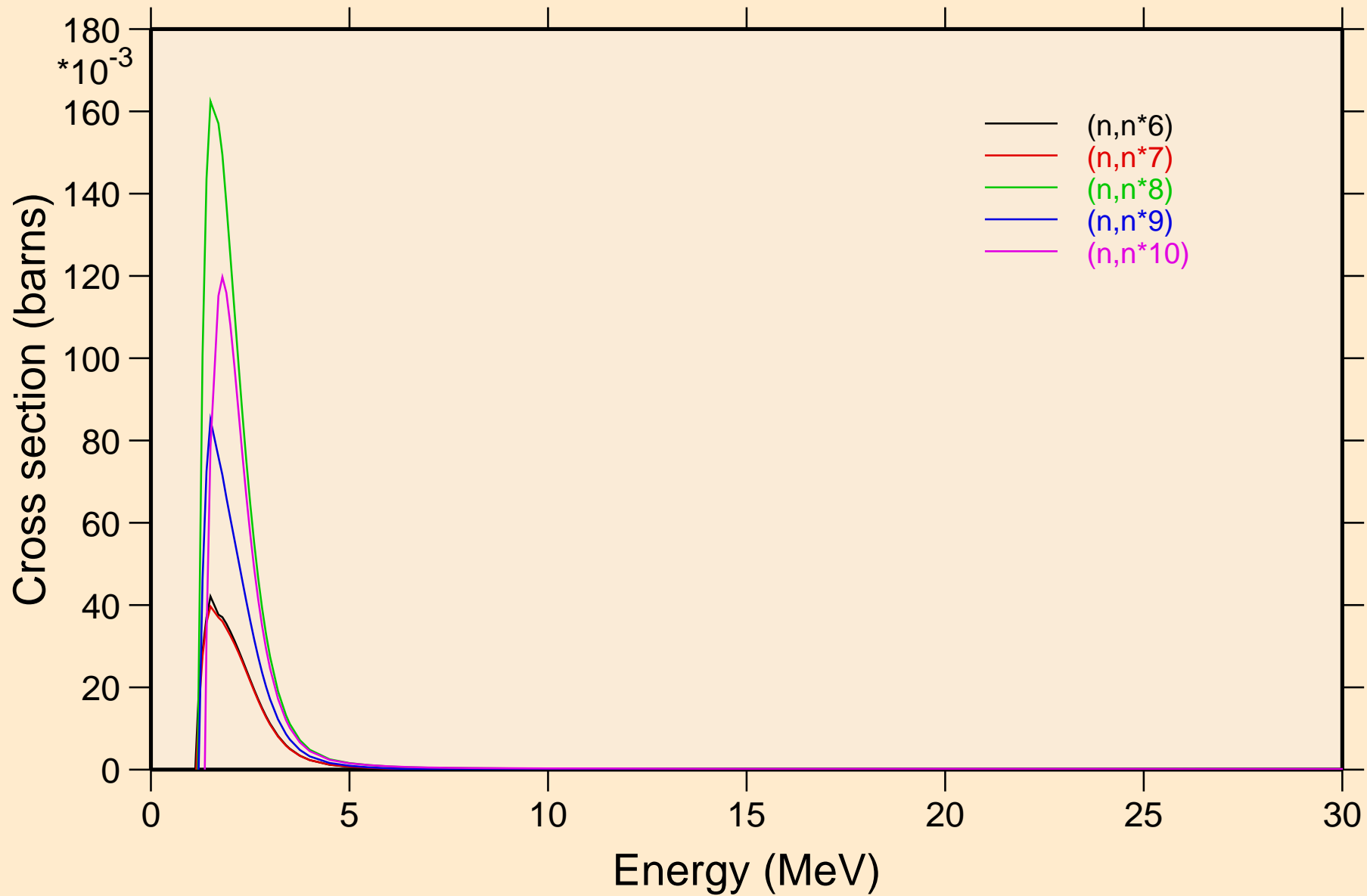


IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

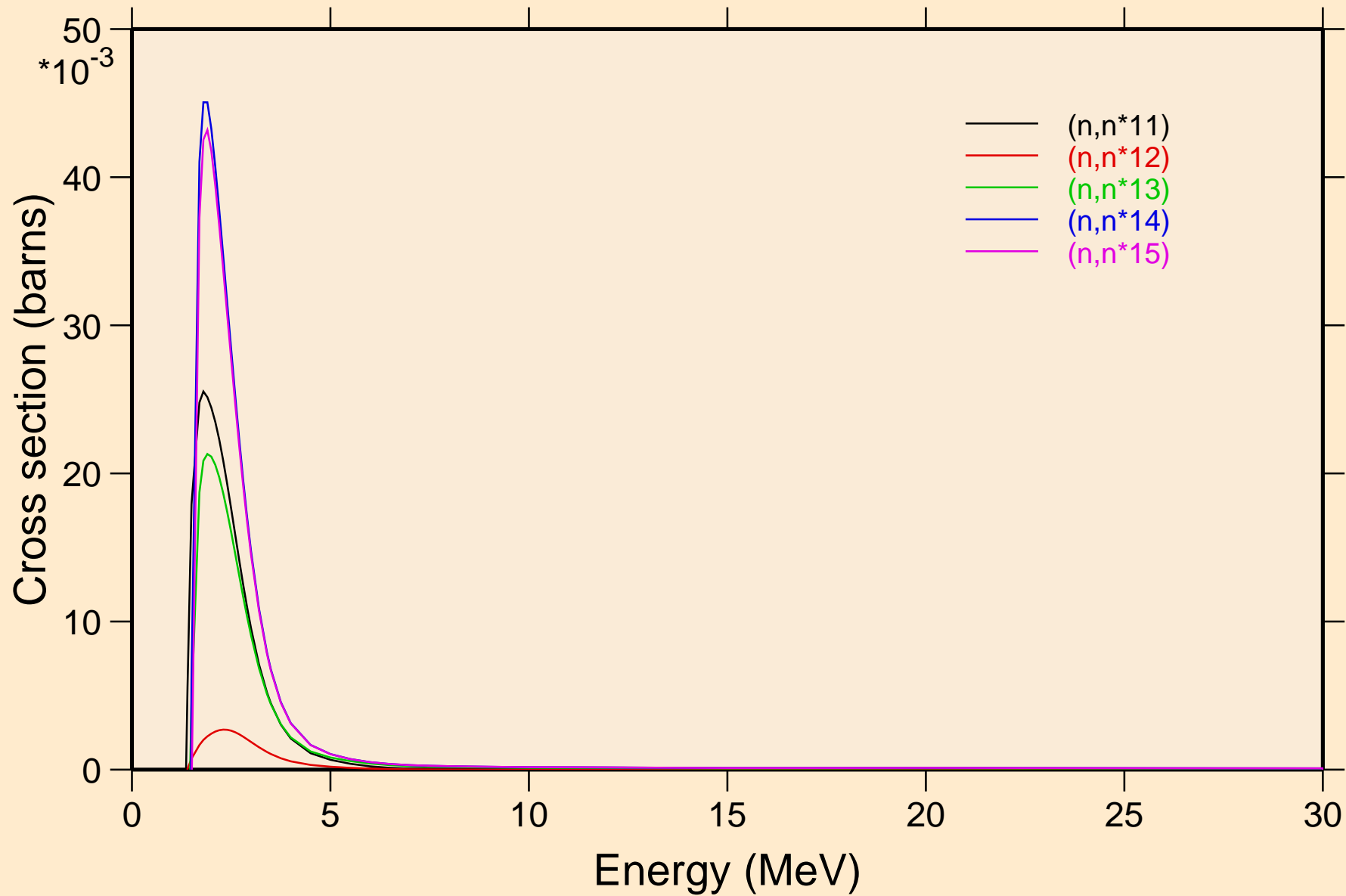


# IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels

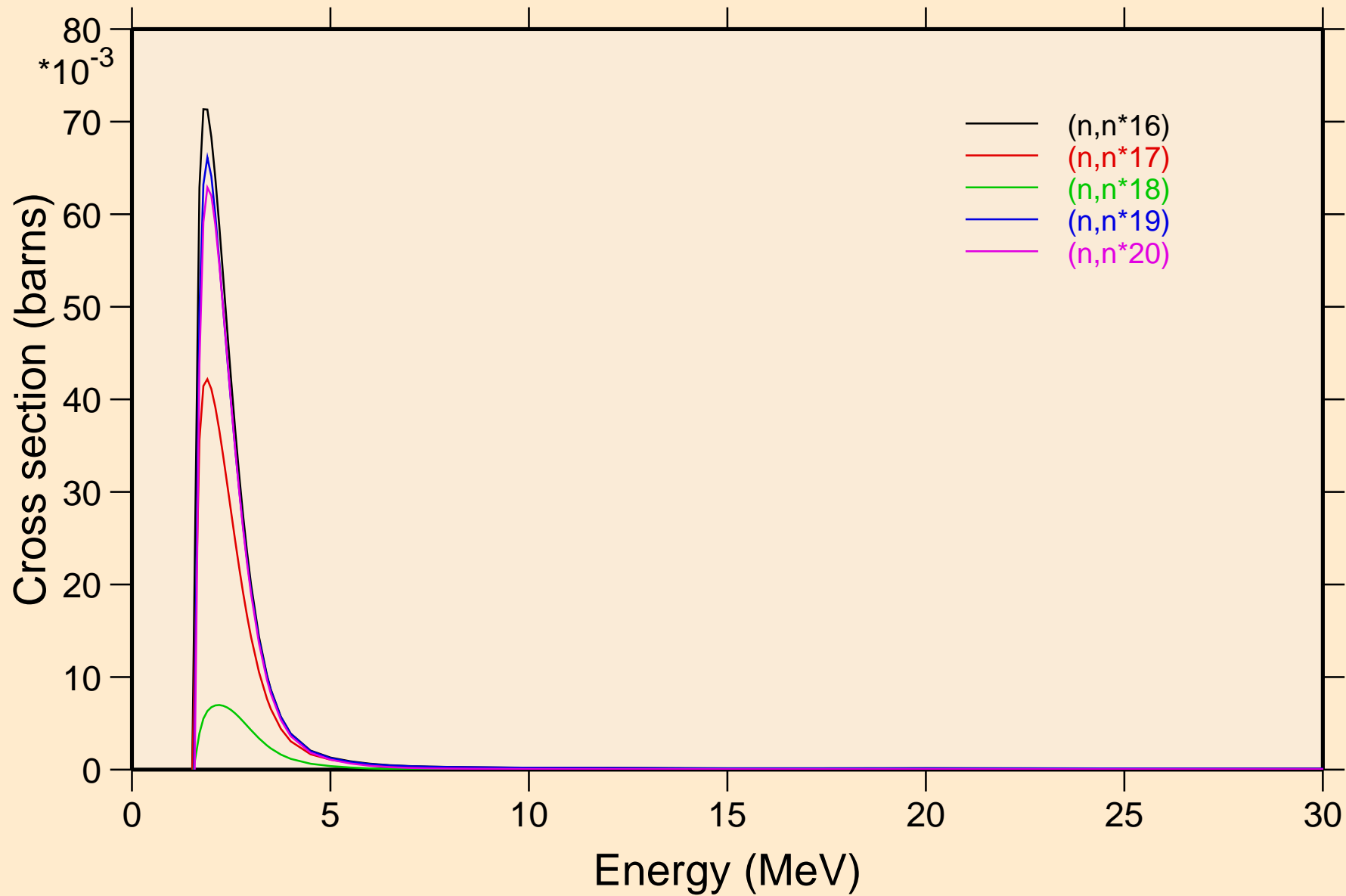


IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



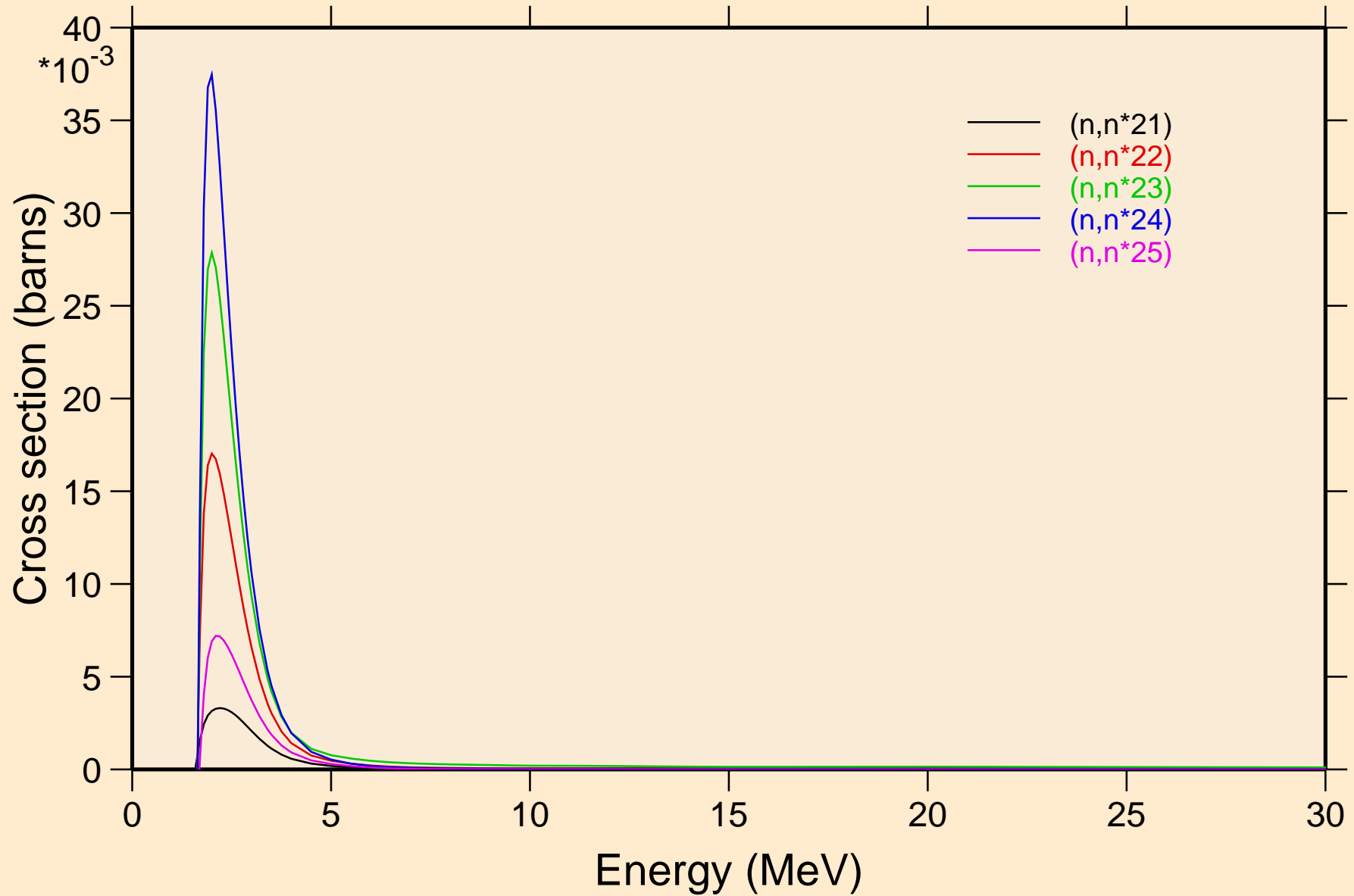
# IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



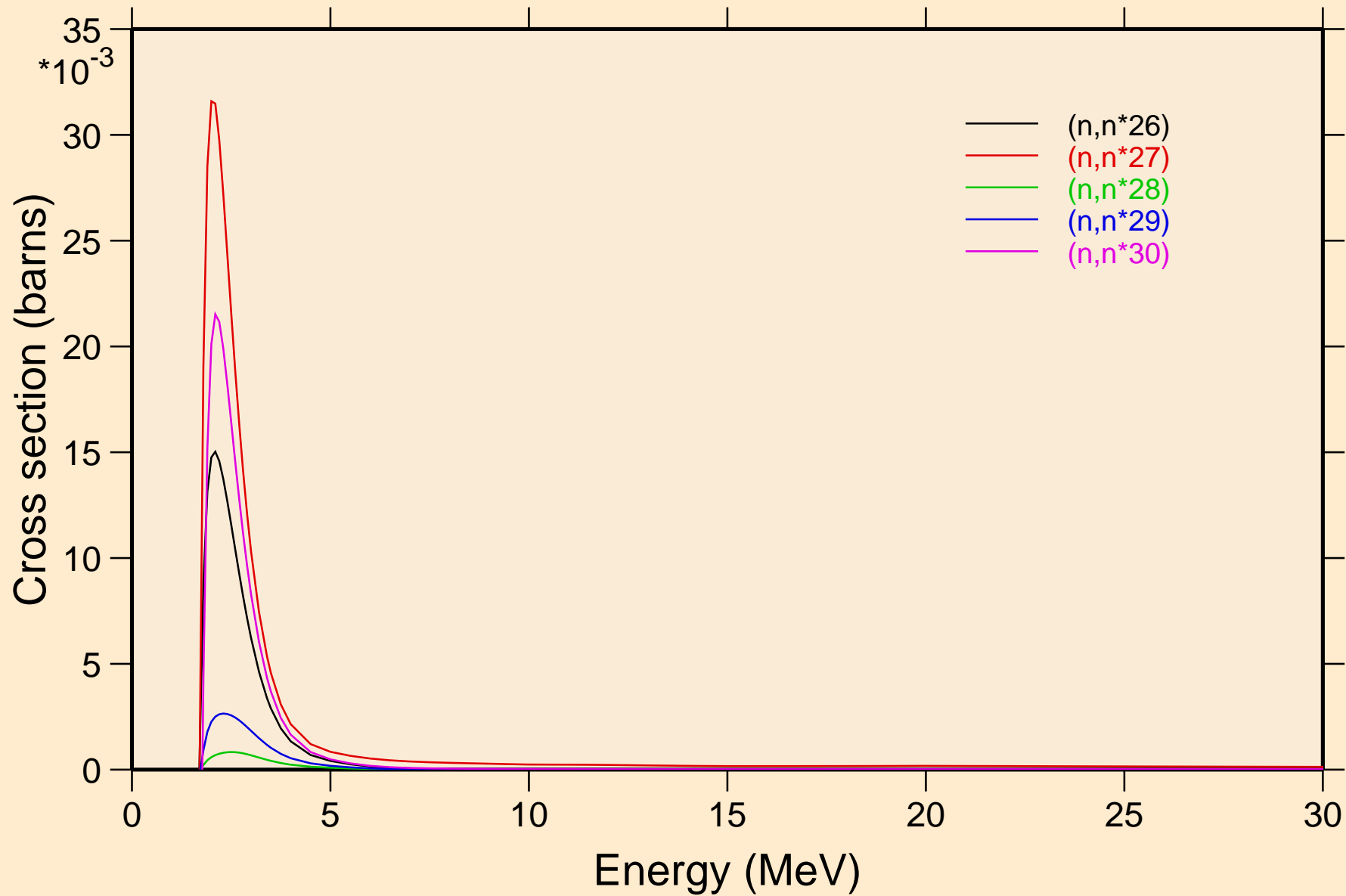


IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



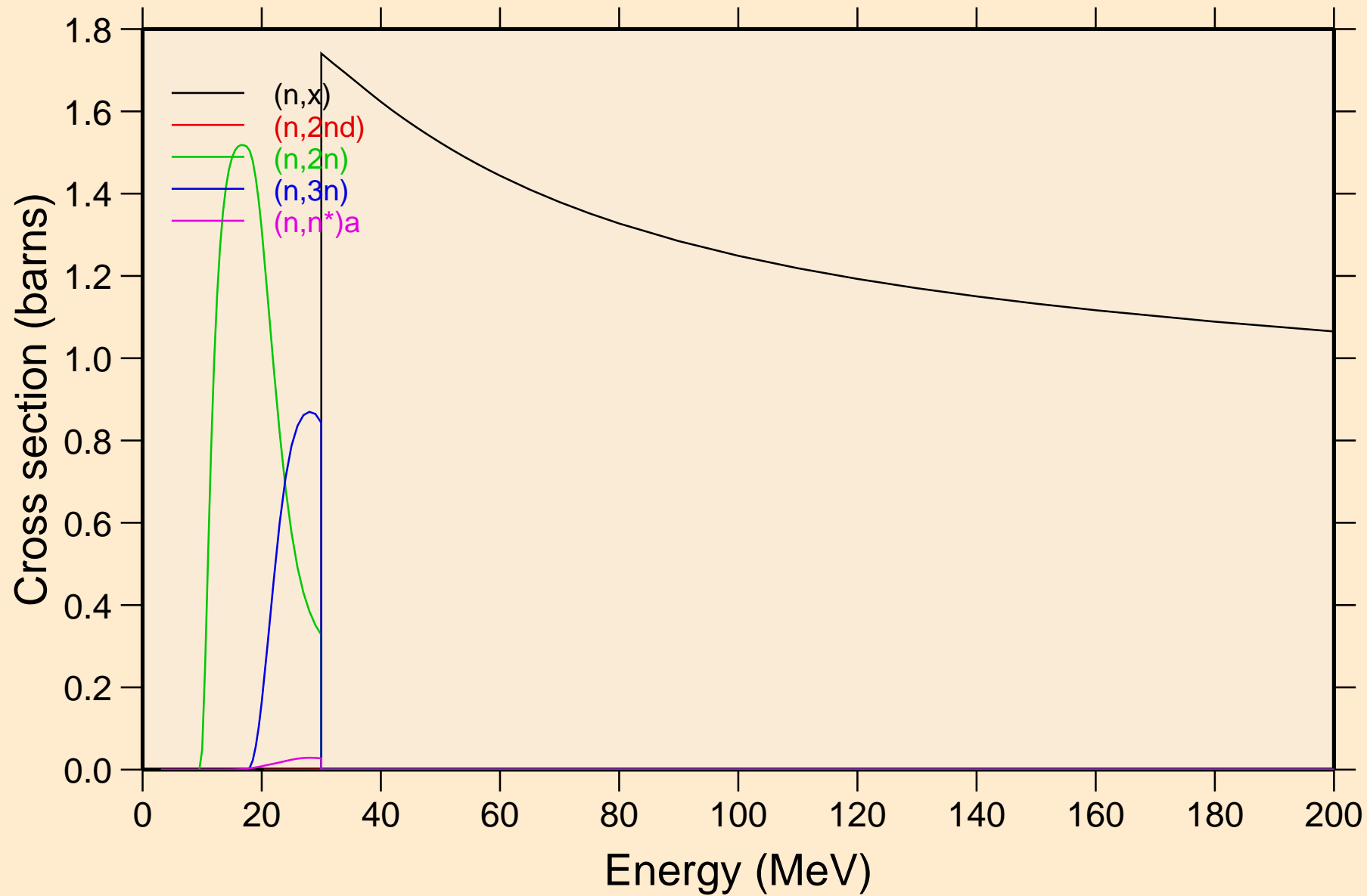
# IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



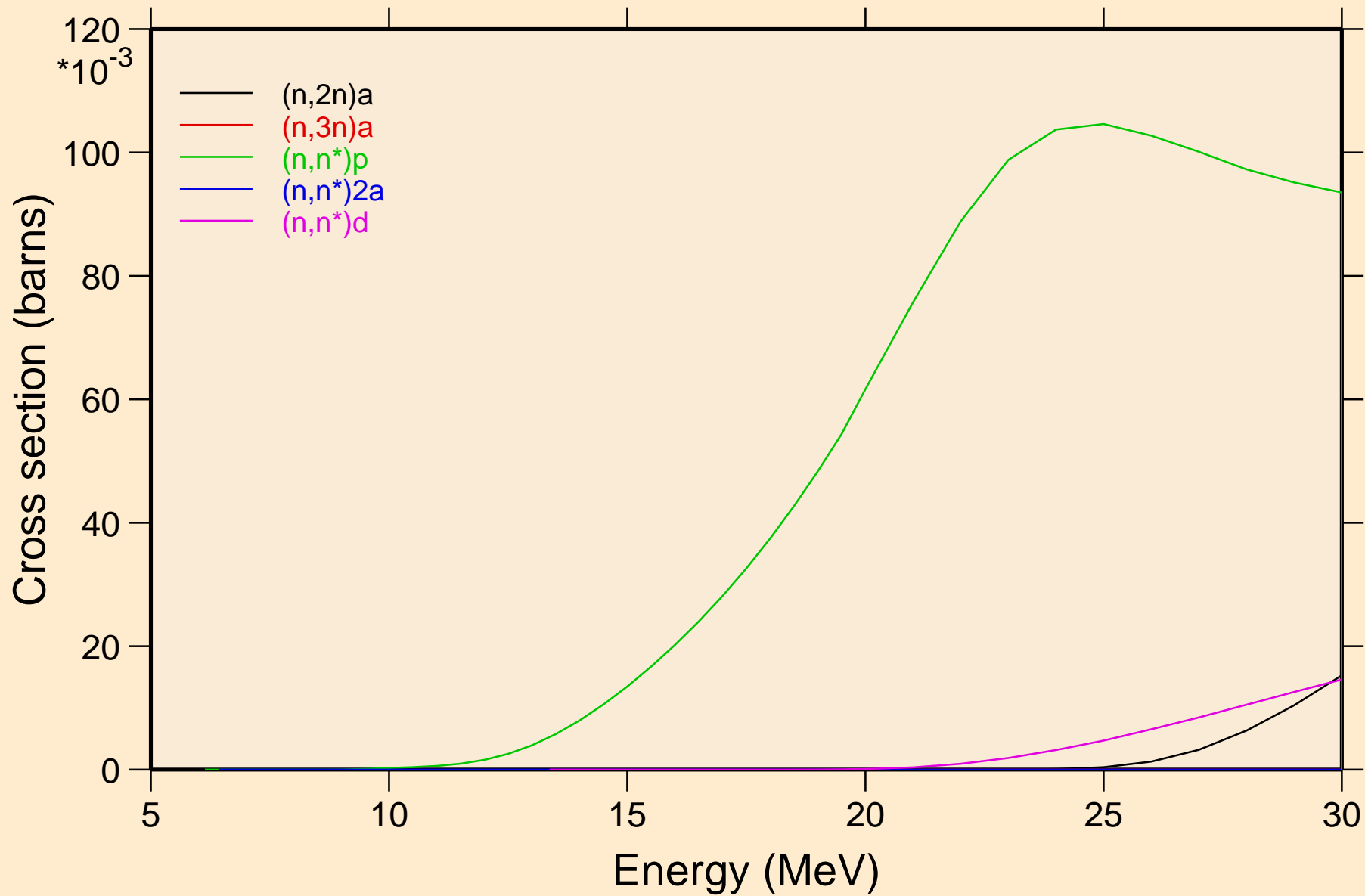
# IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



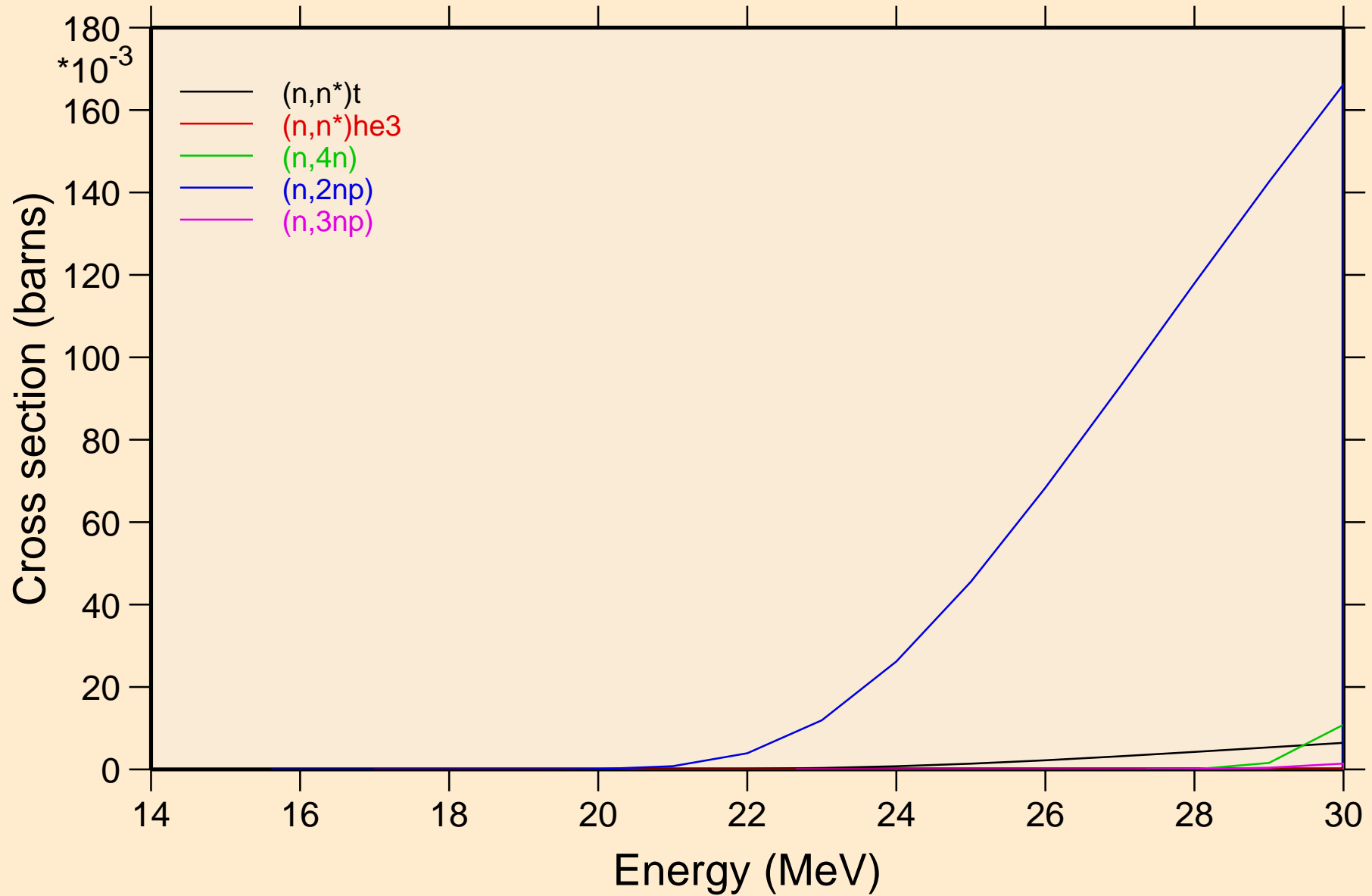
# IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



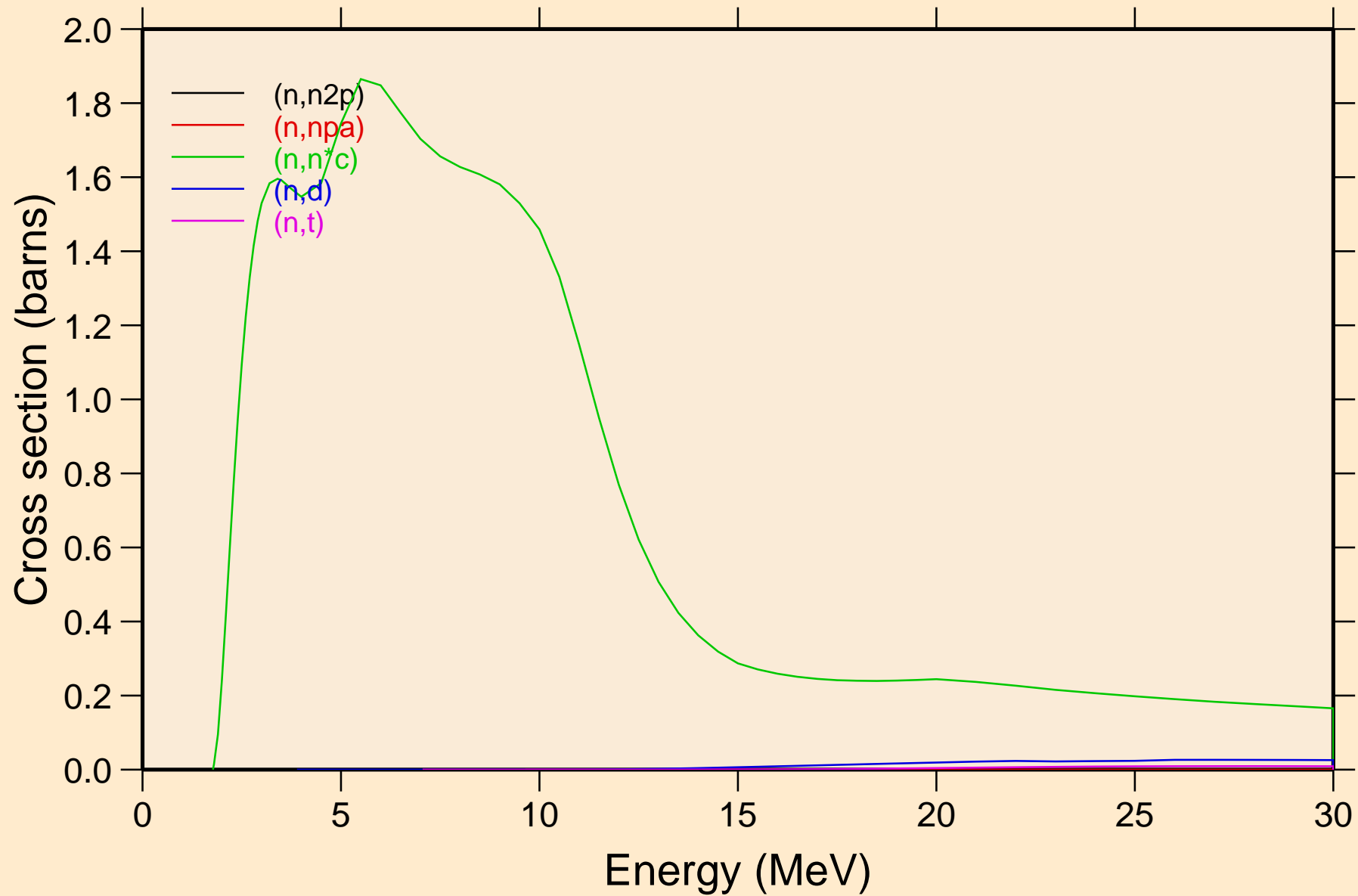
# IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



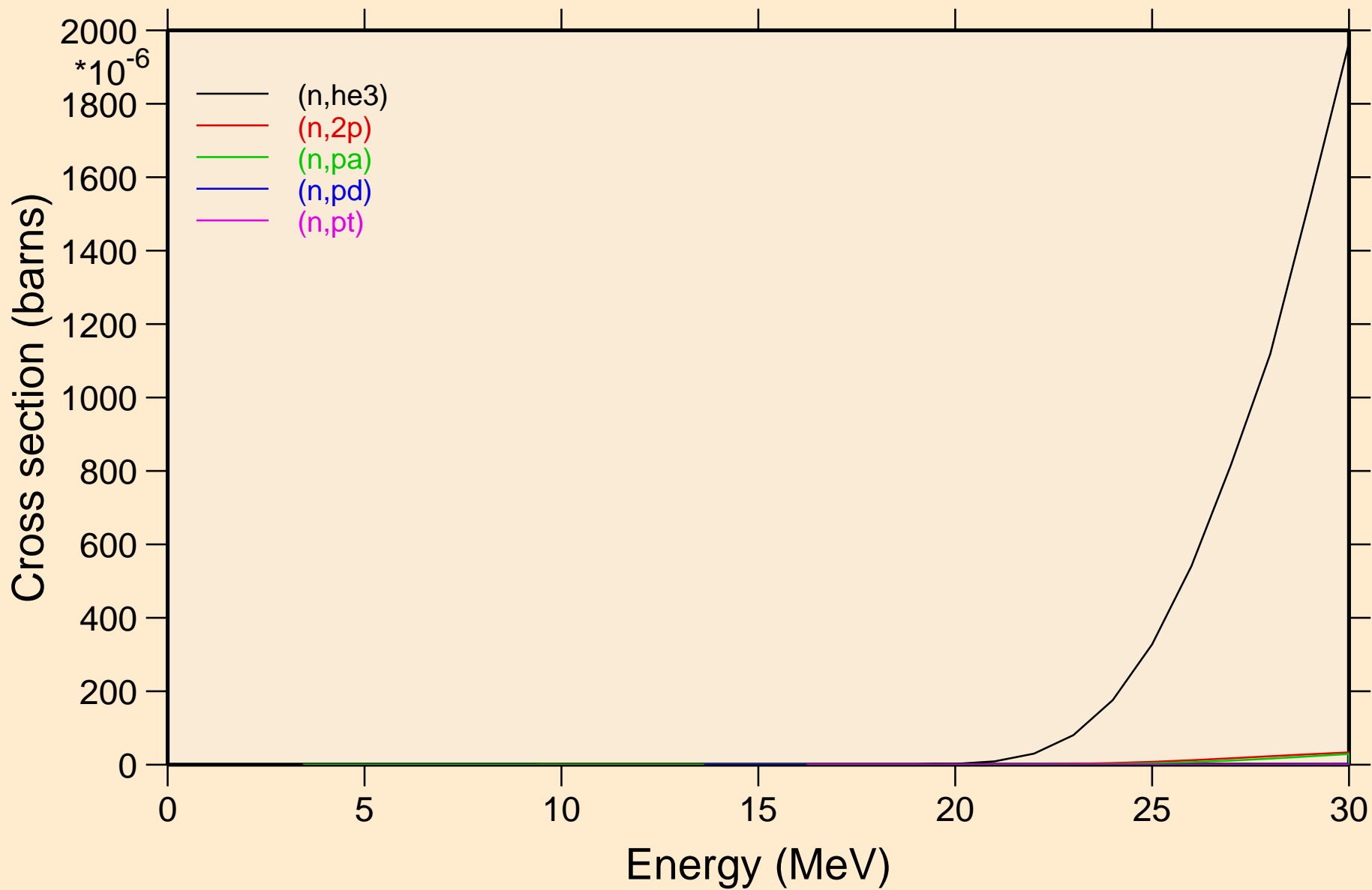
# IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

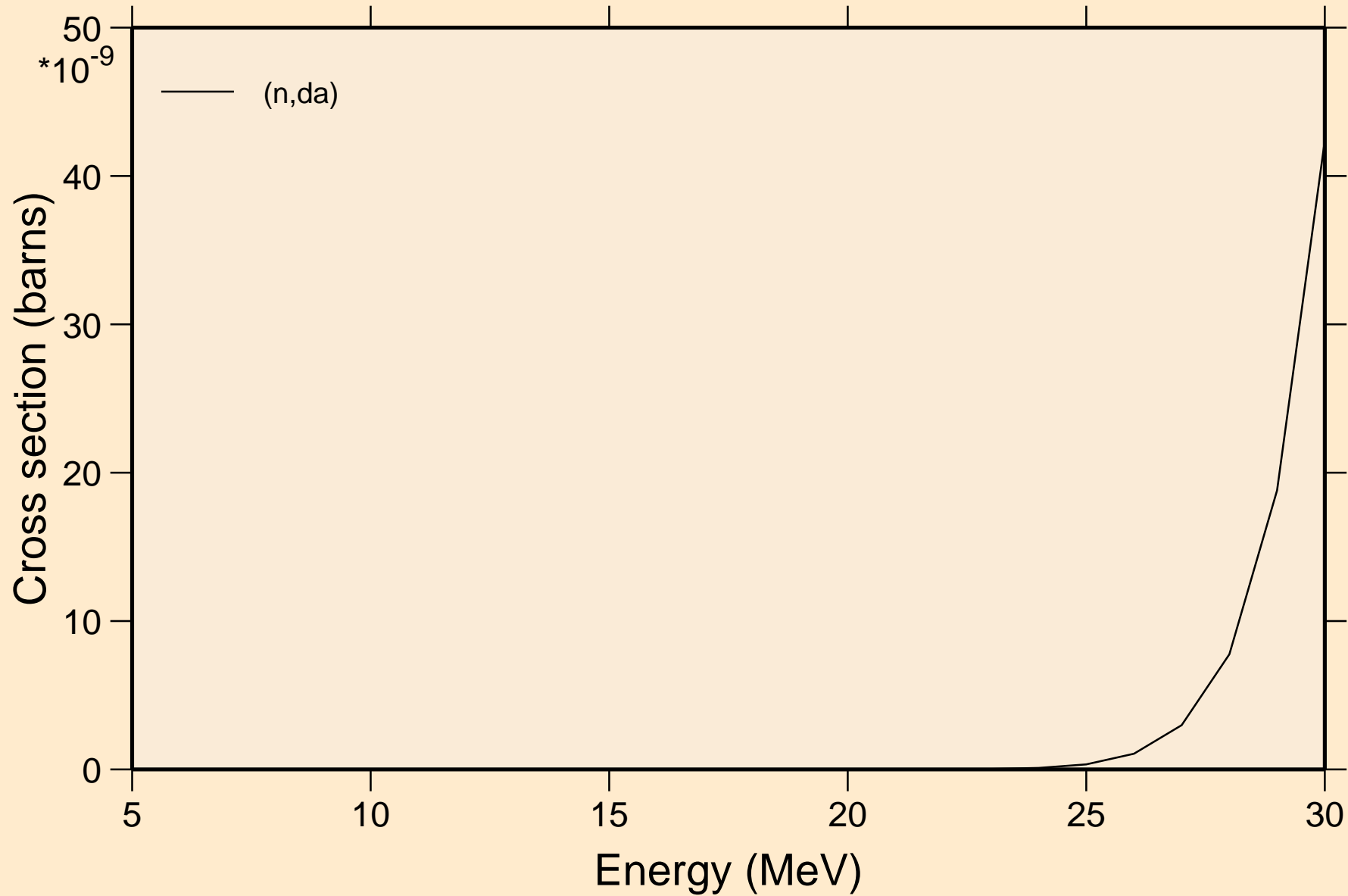


# IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



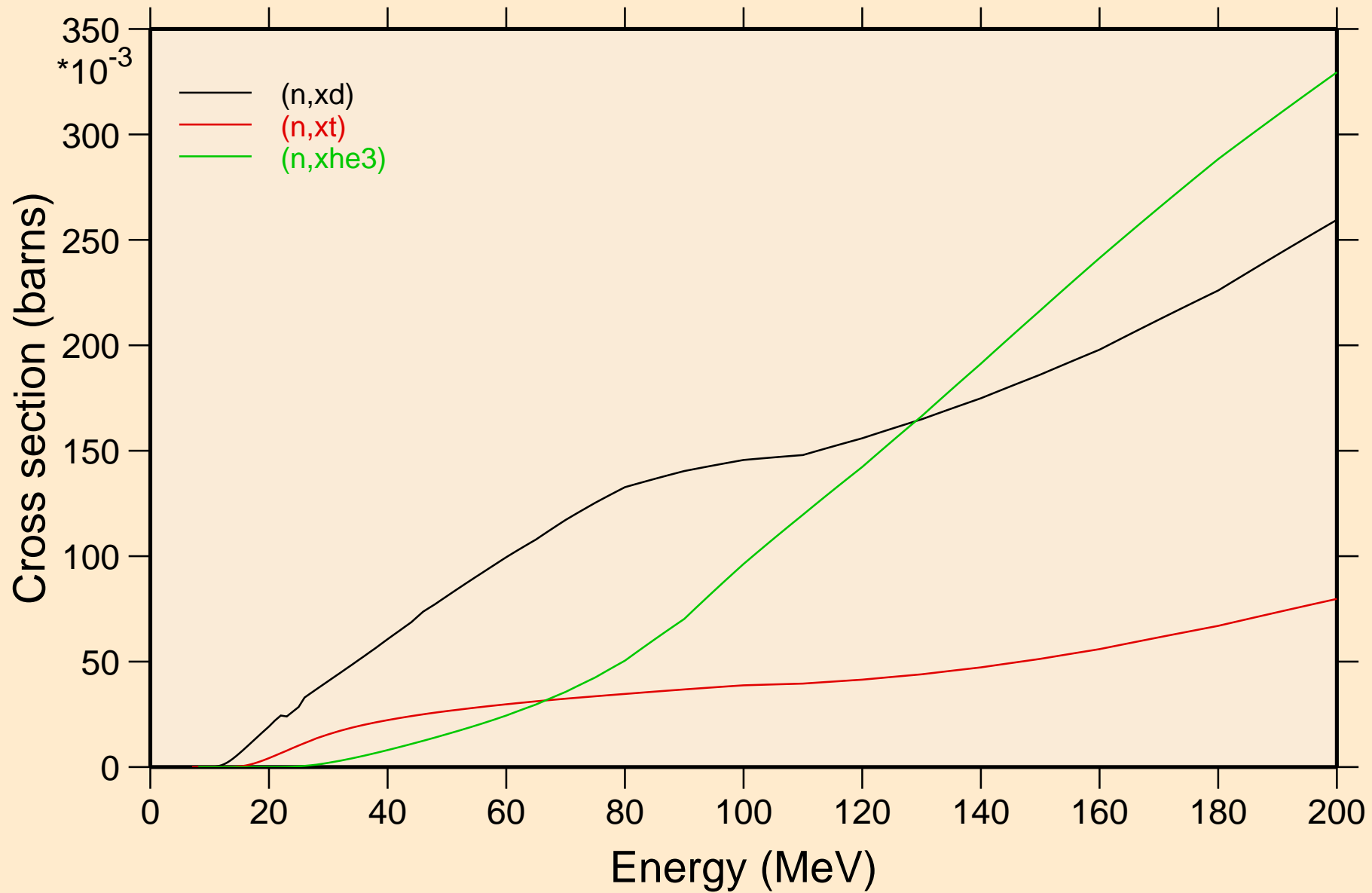
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



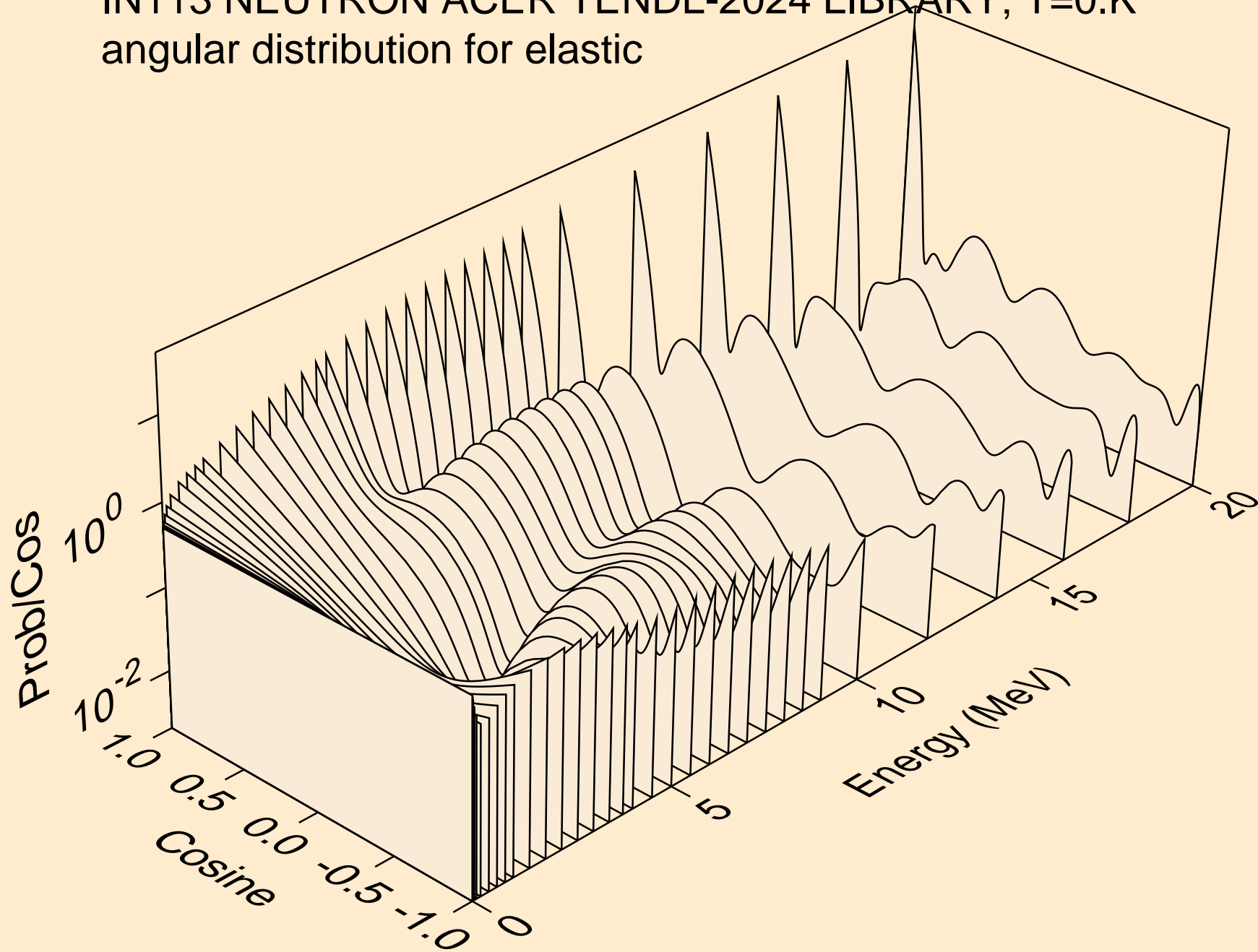


# IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

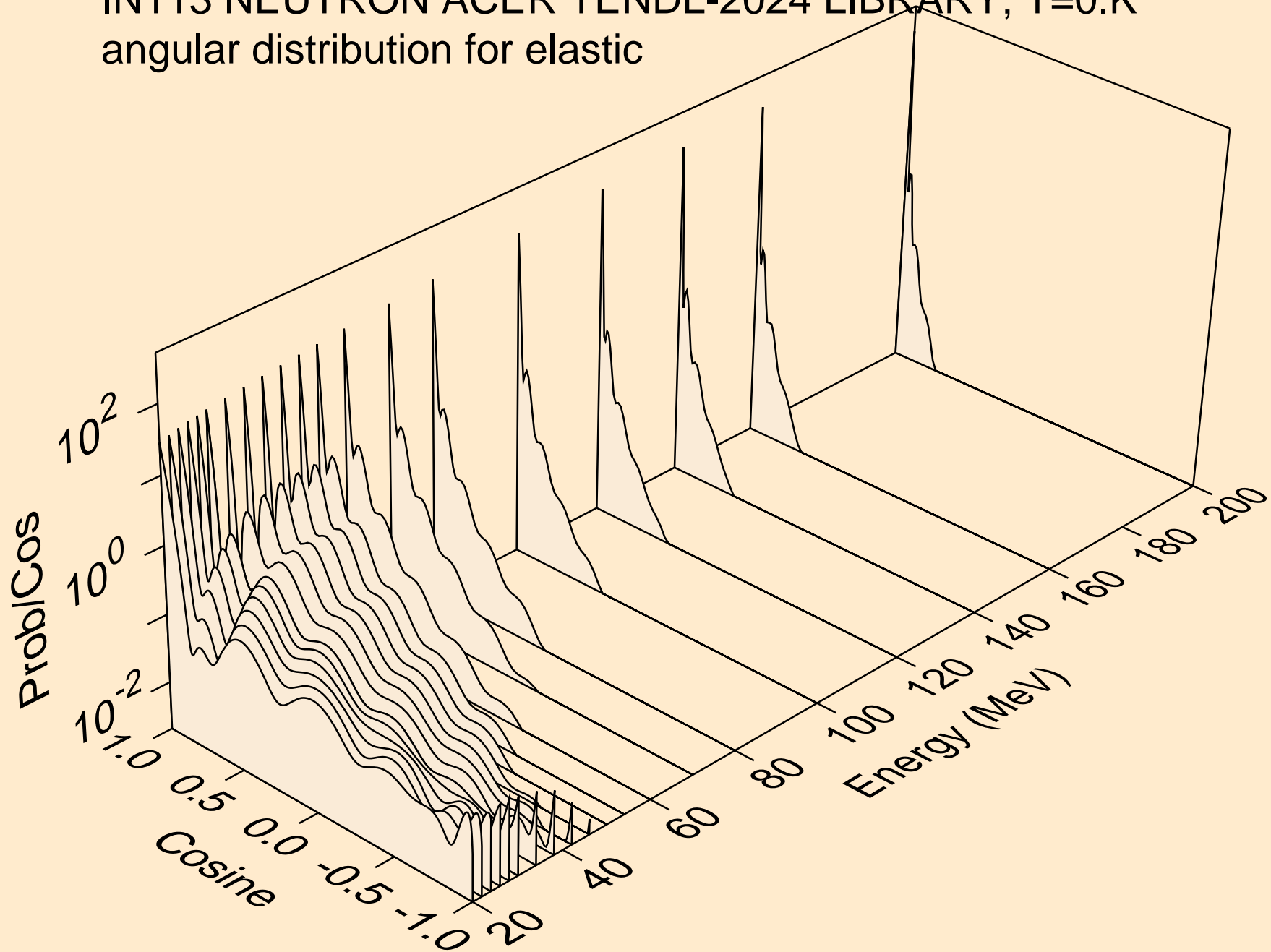
## Threshold reactions



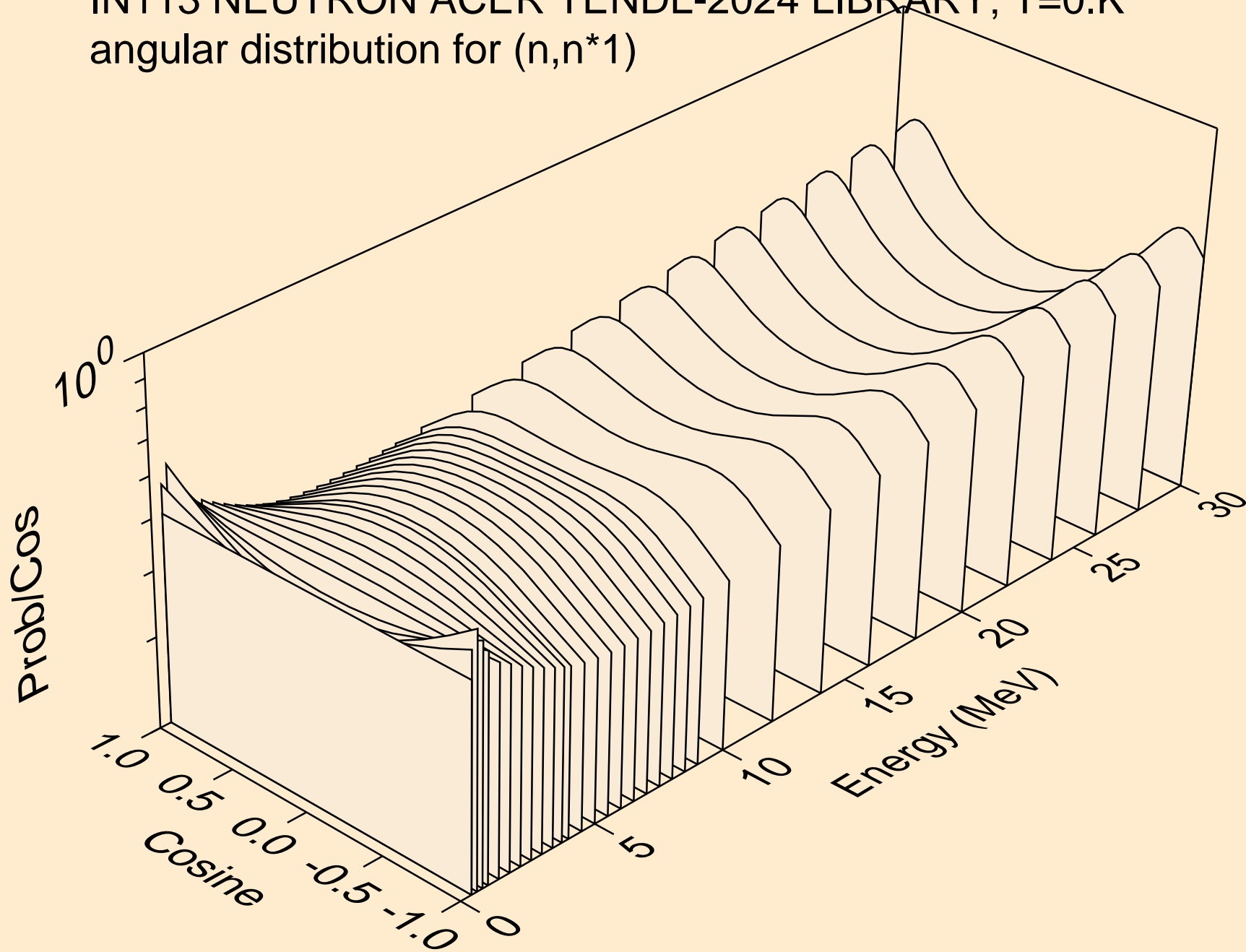
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



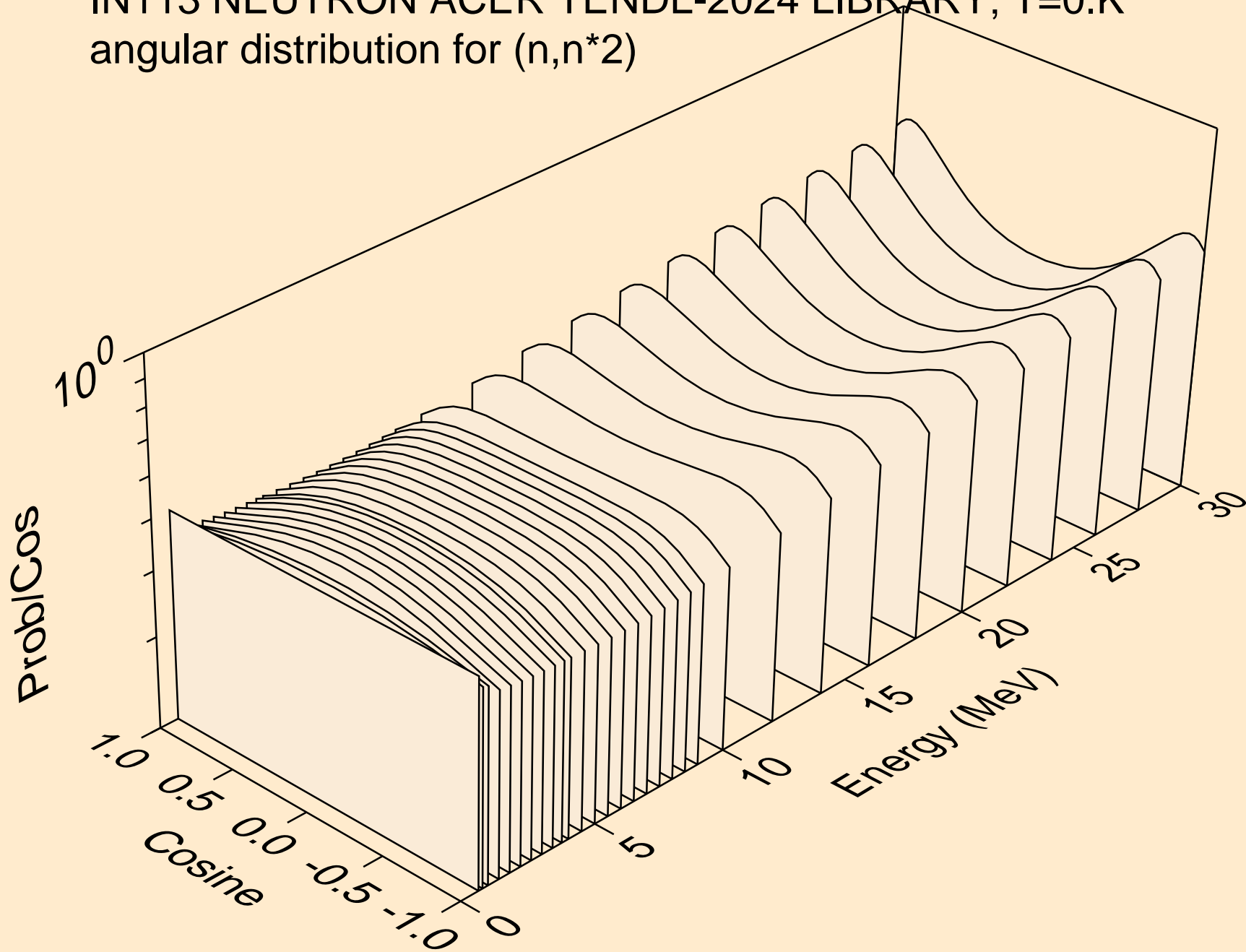
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



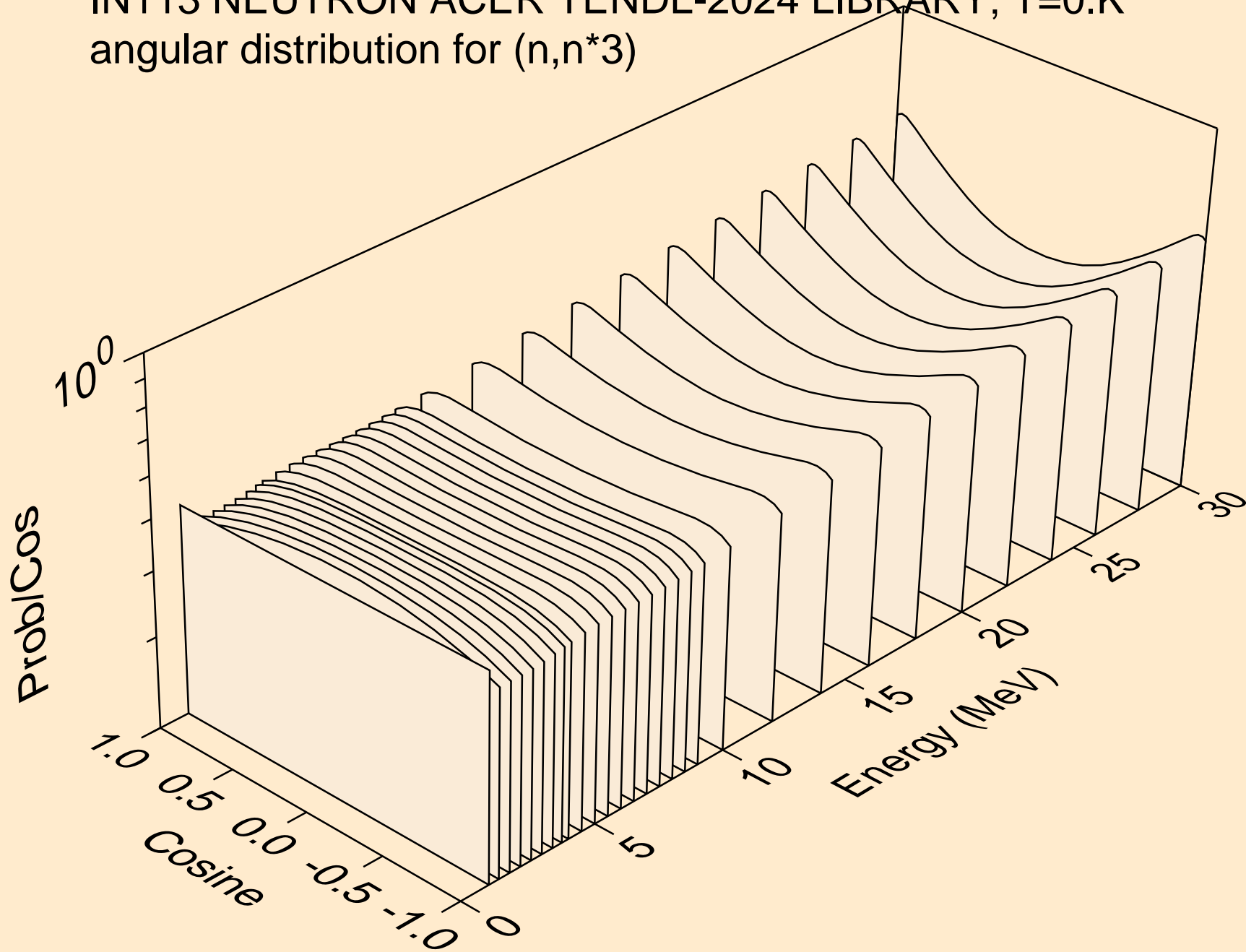
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angular distribution for (n,n\*1)



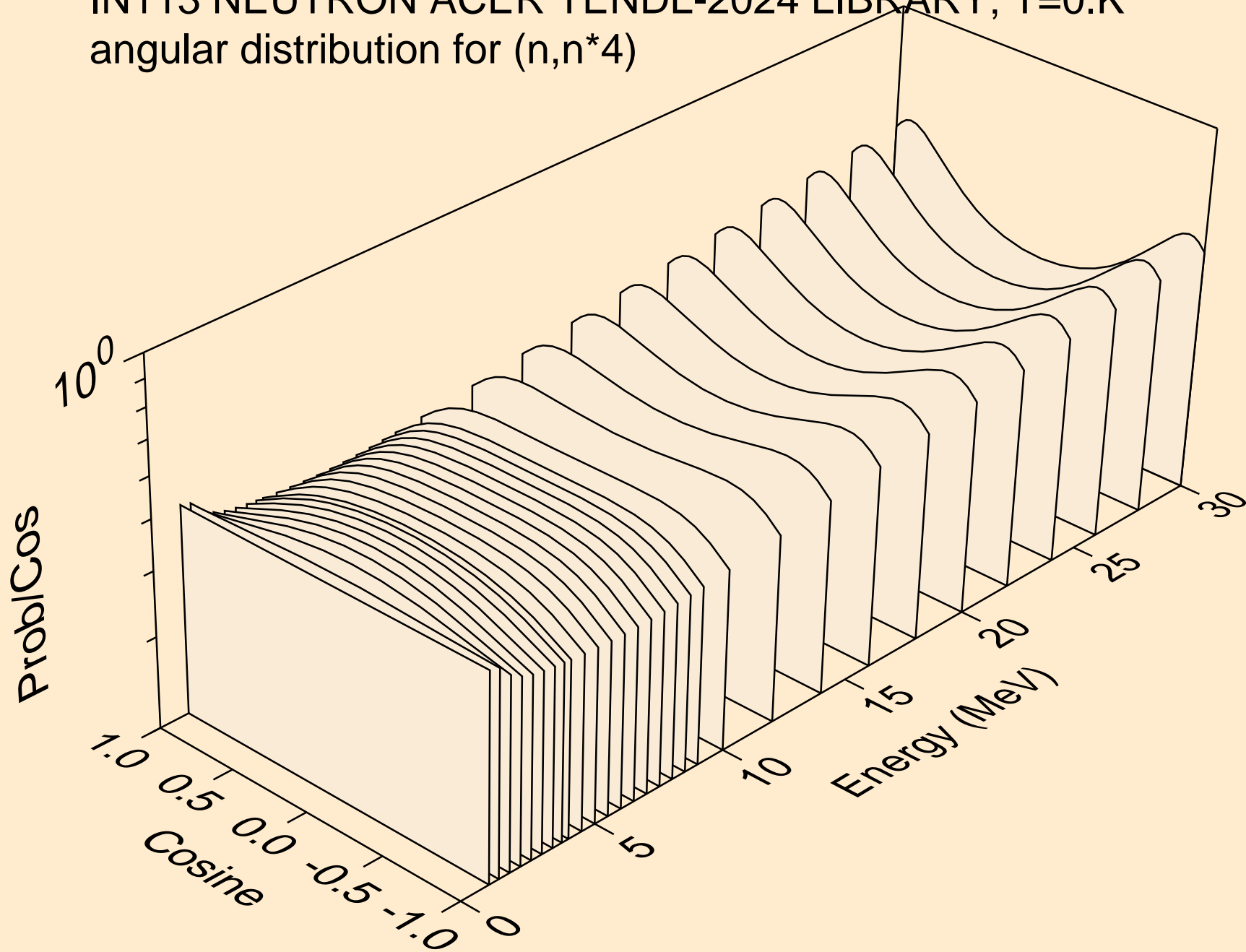
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



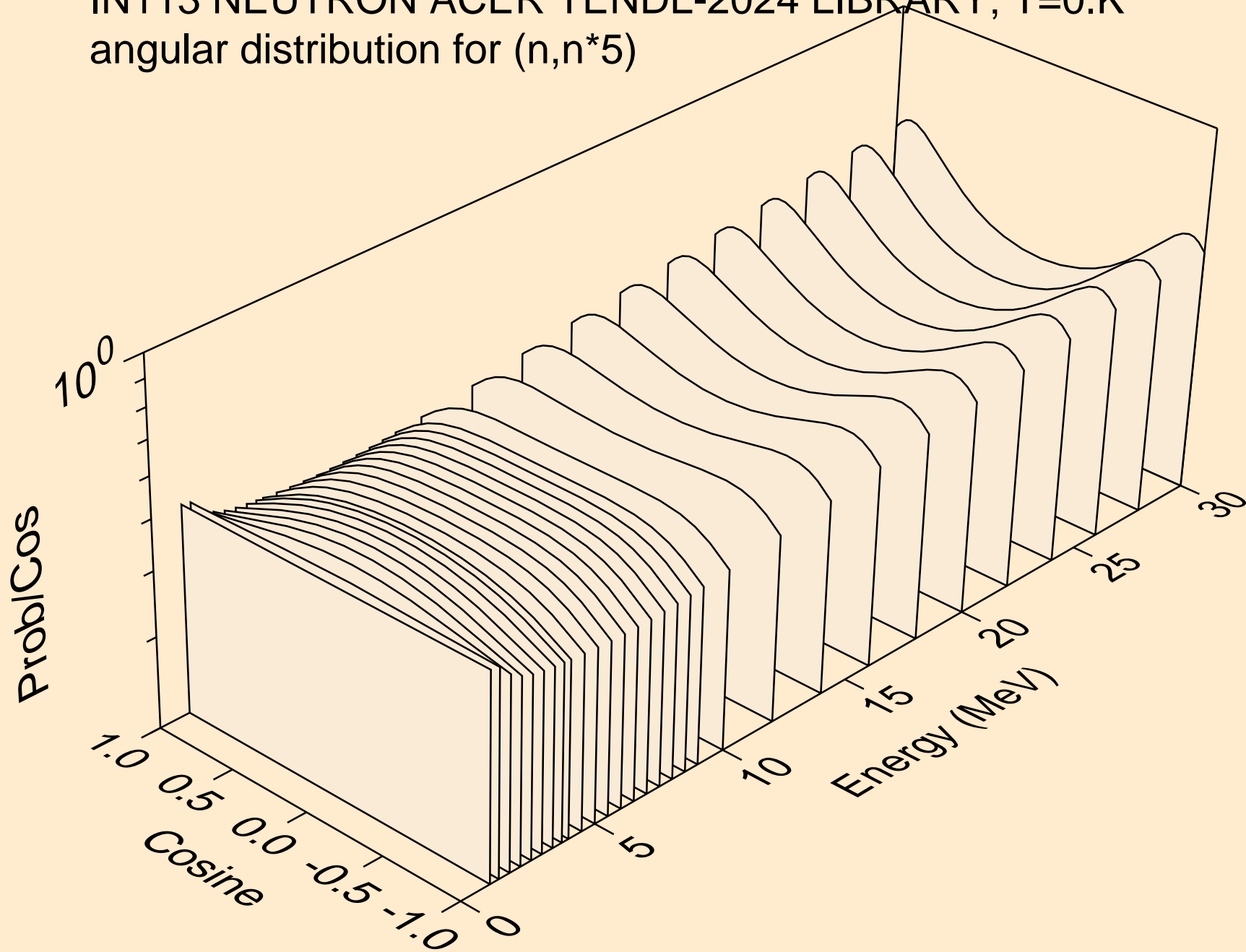
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)

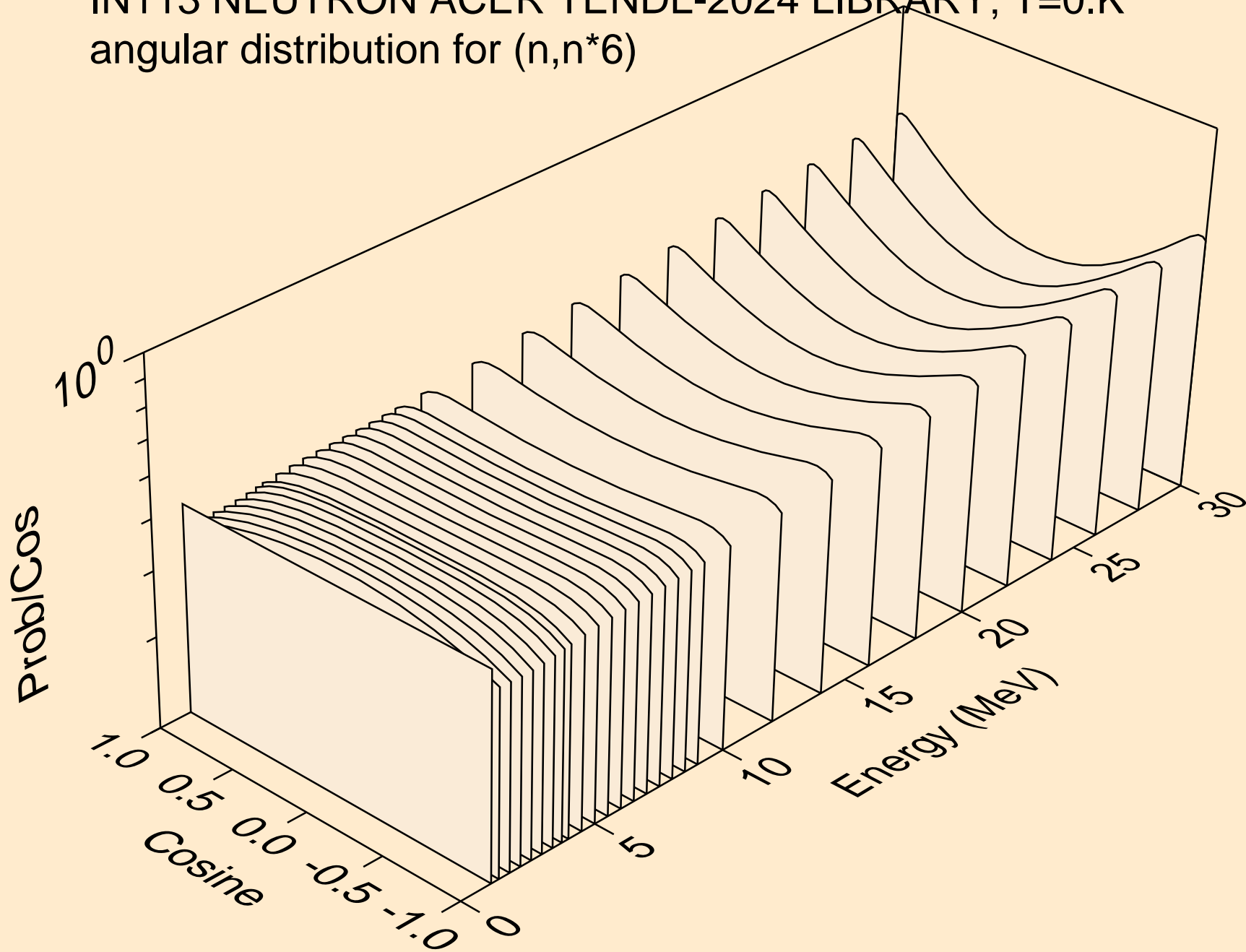


IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)

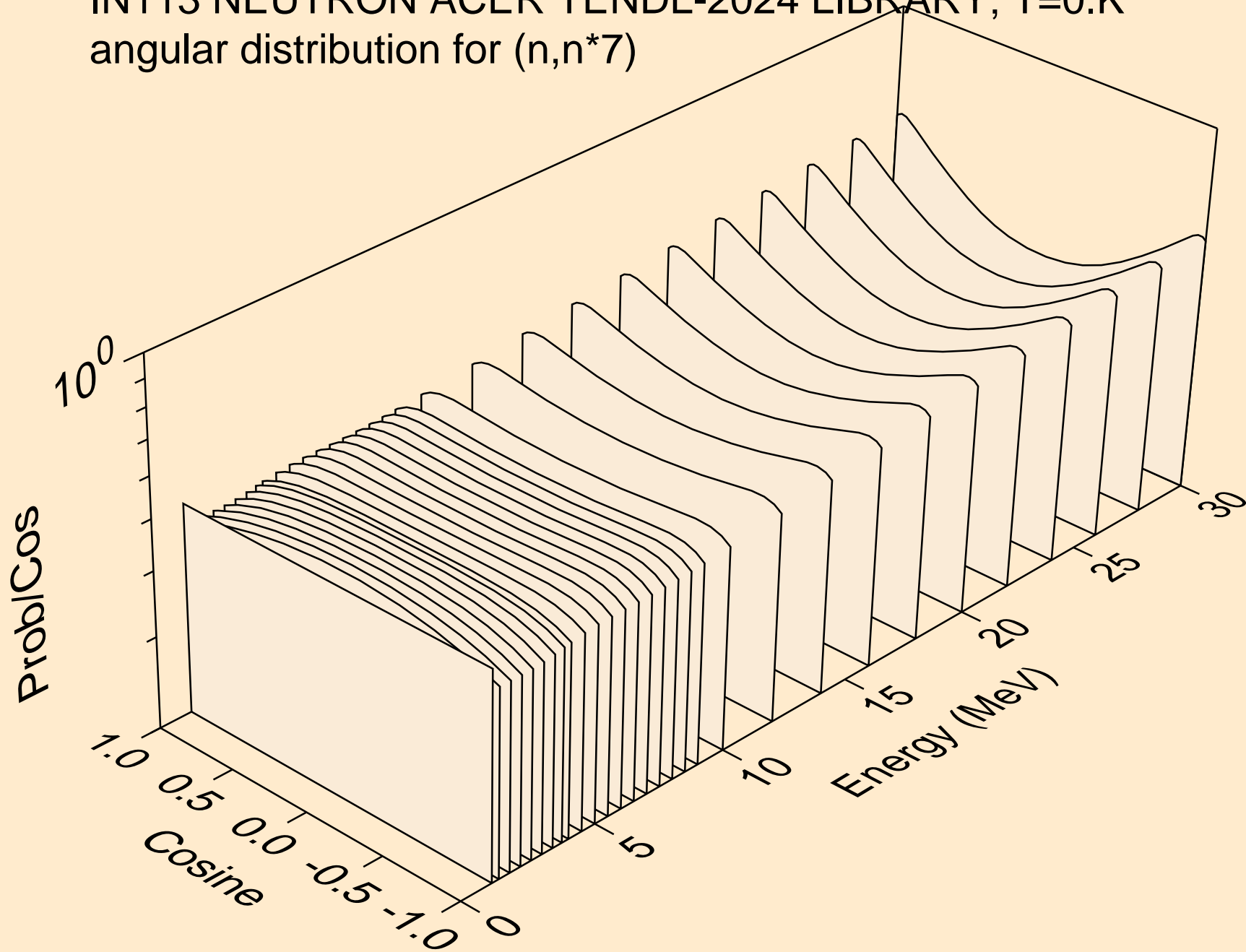




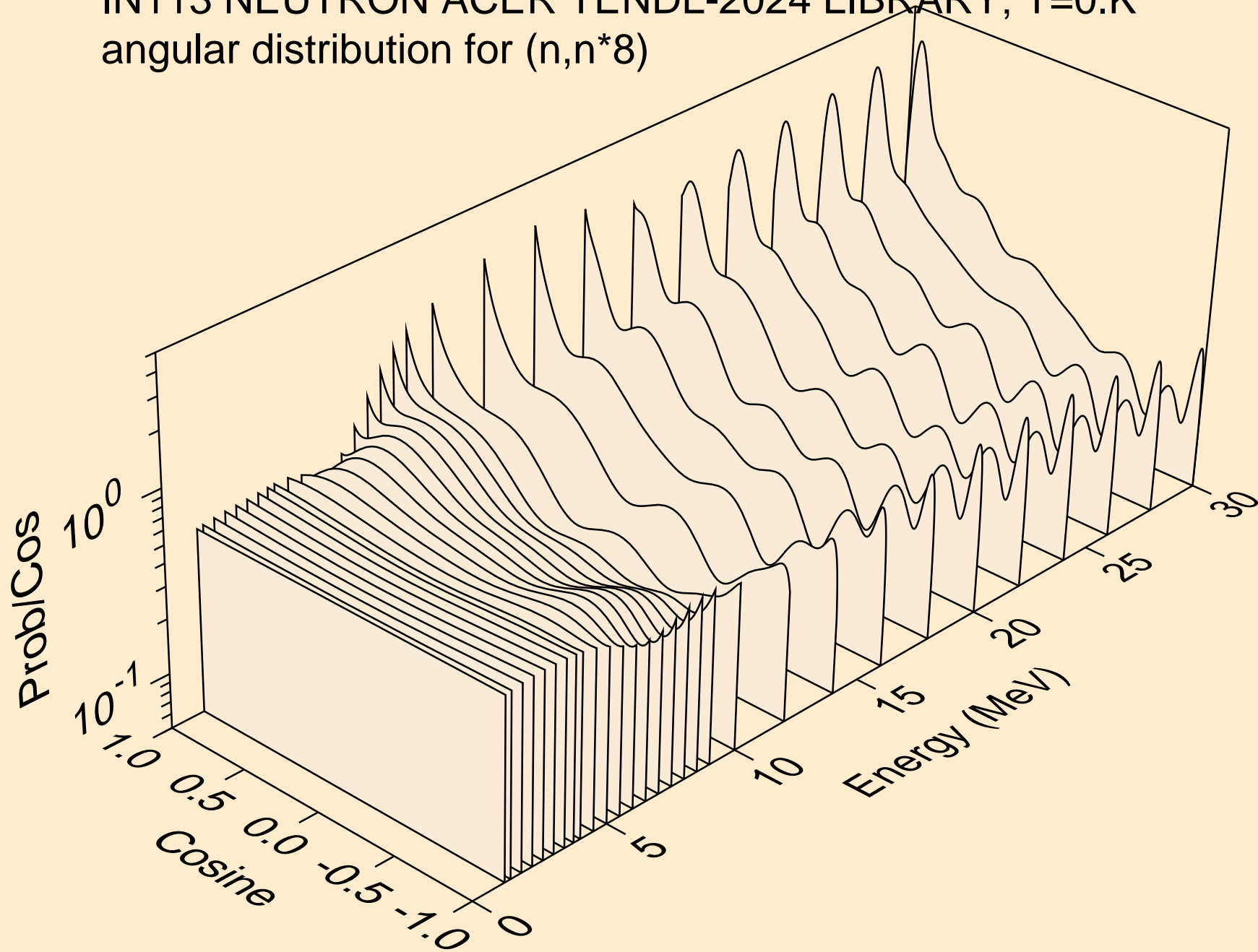
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



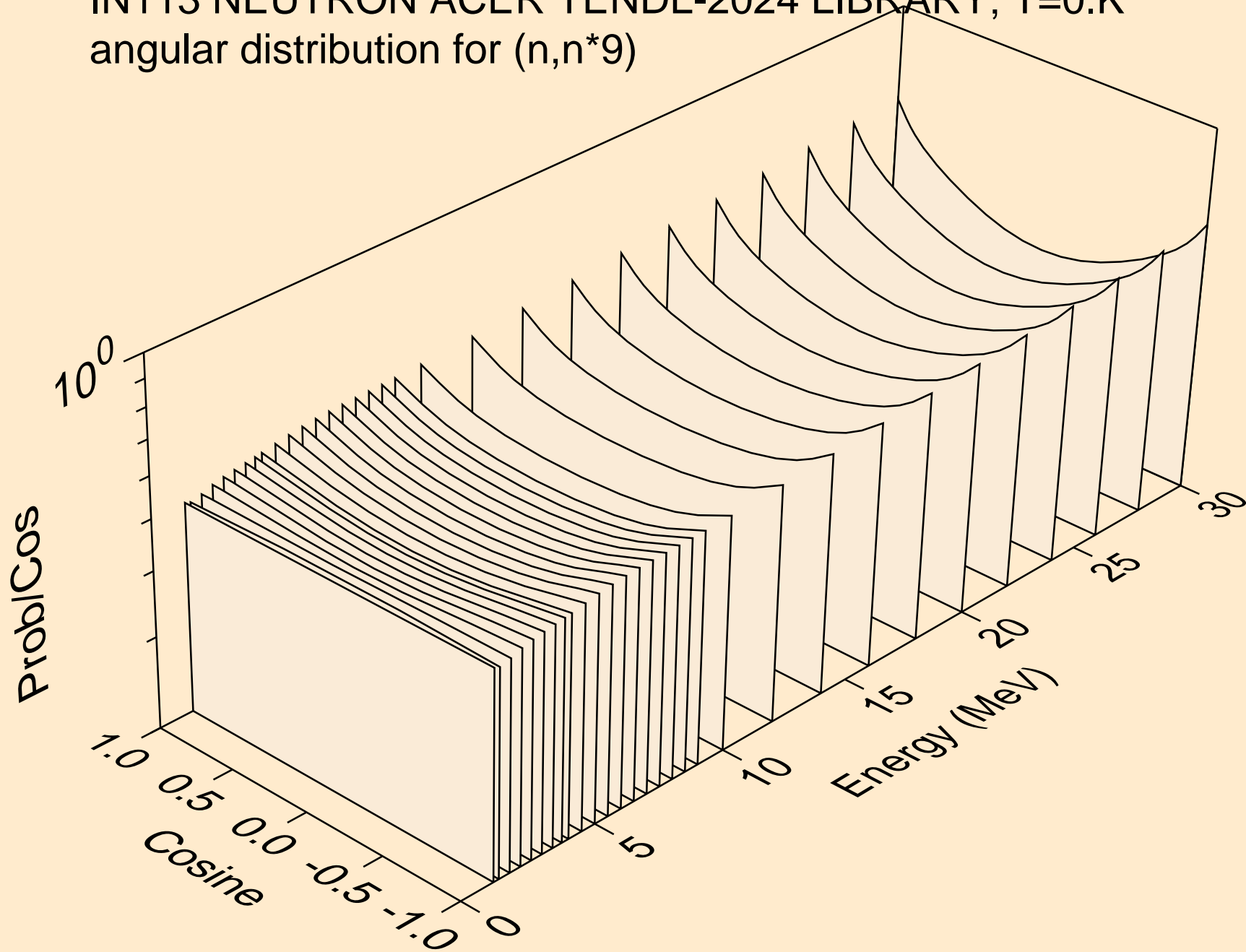
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angular distribution for (n,n\*7)



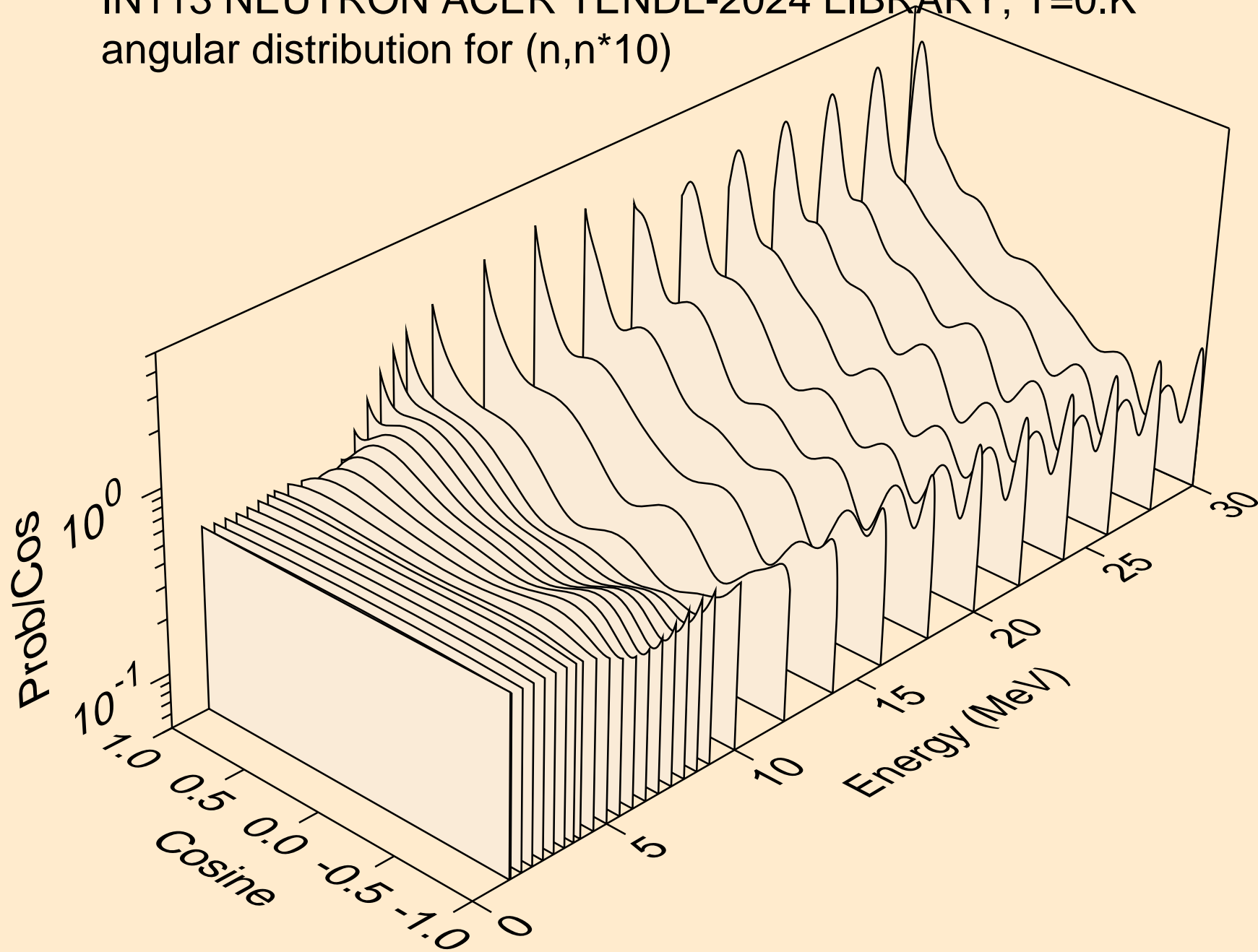
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angular distribution for (n,n\*8)



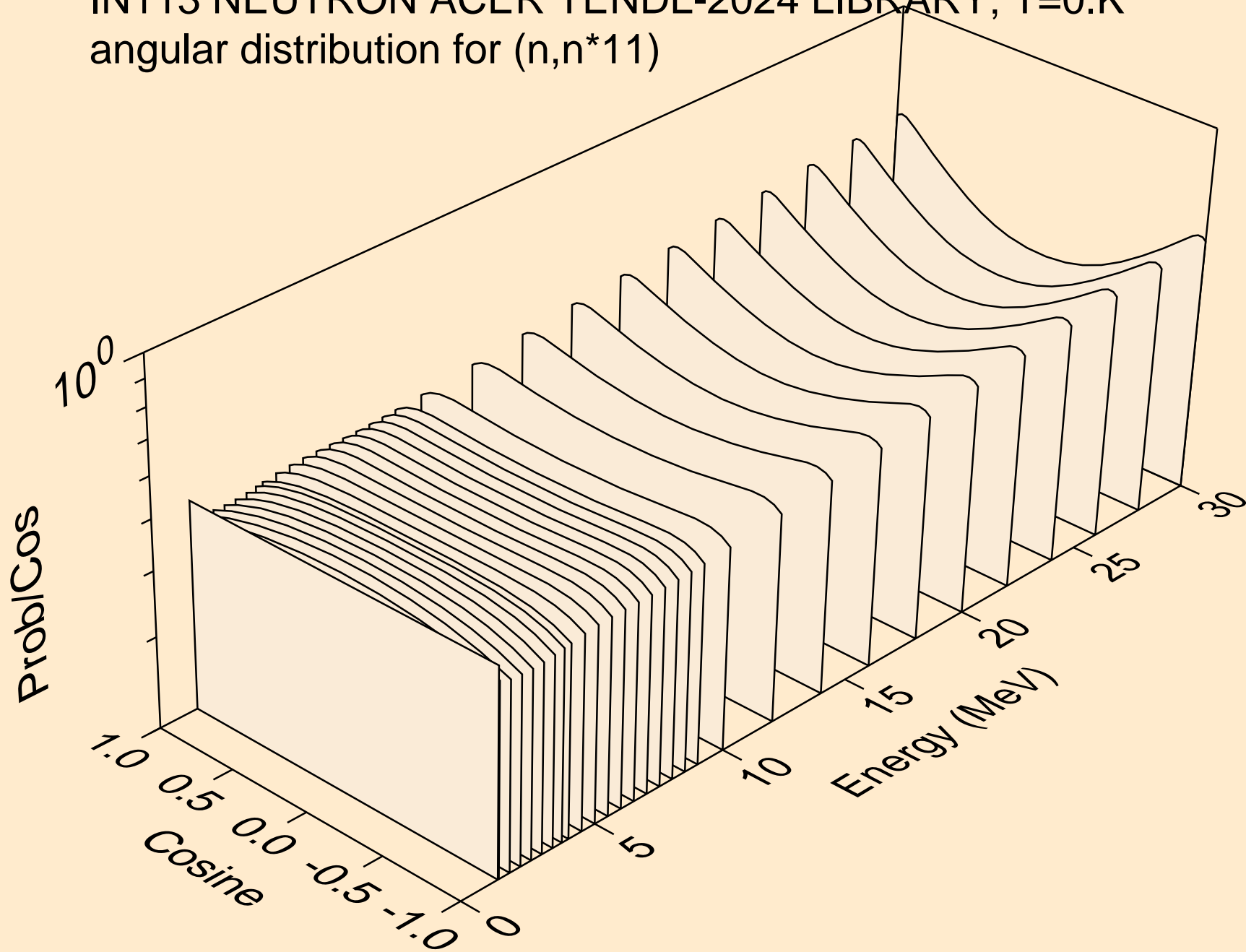
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angular distribution for (n,n\*9)



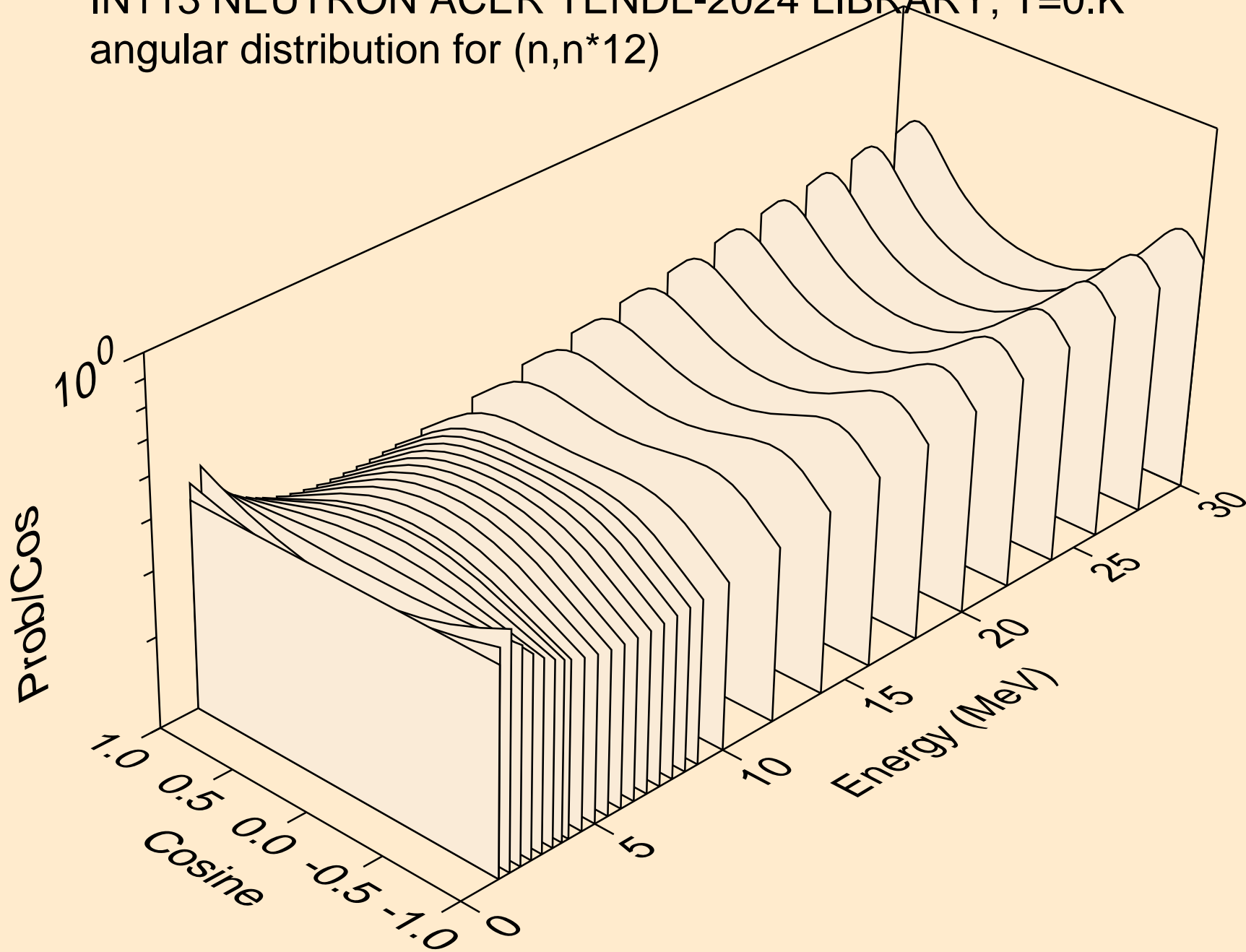
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angular distribution for (n,n\*10)



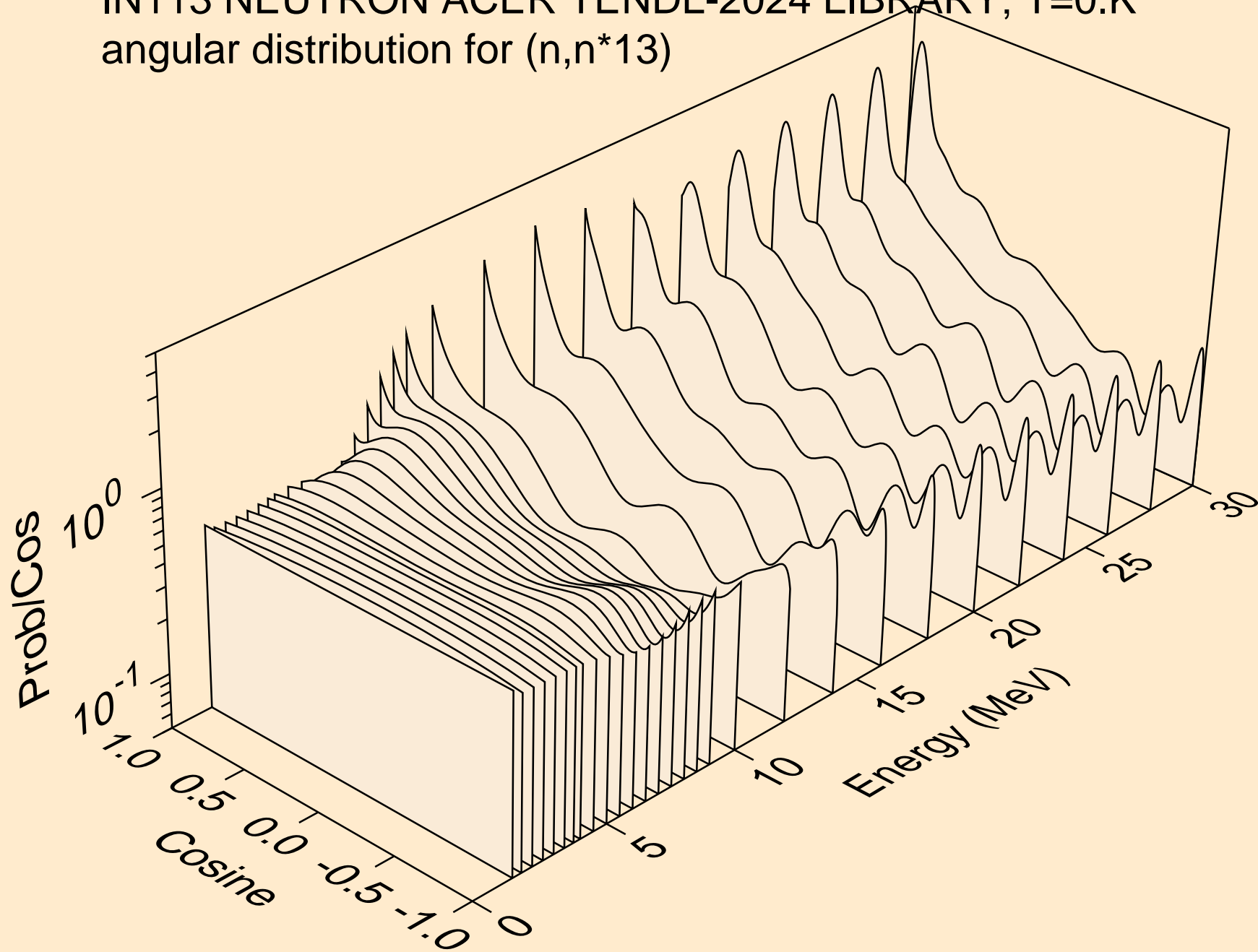
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)

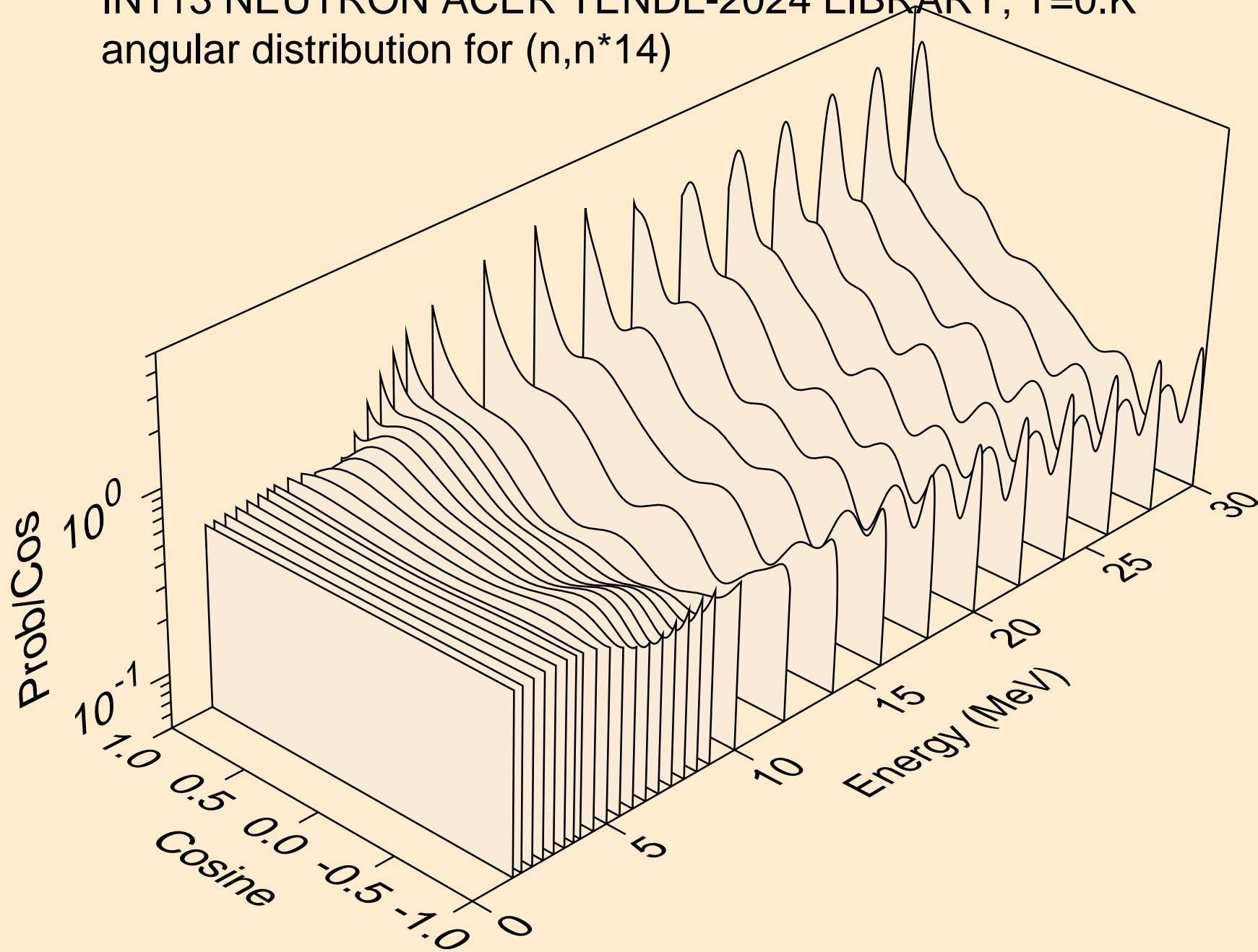


IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*13)

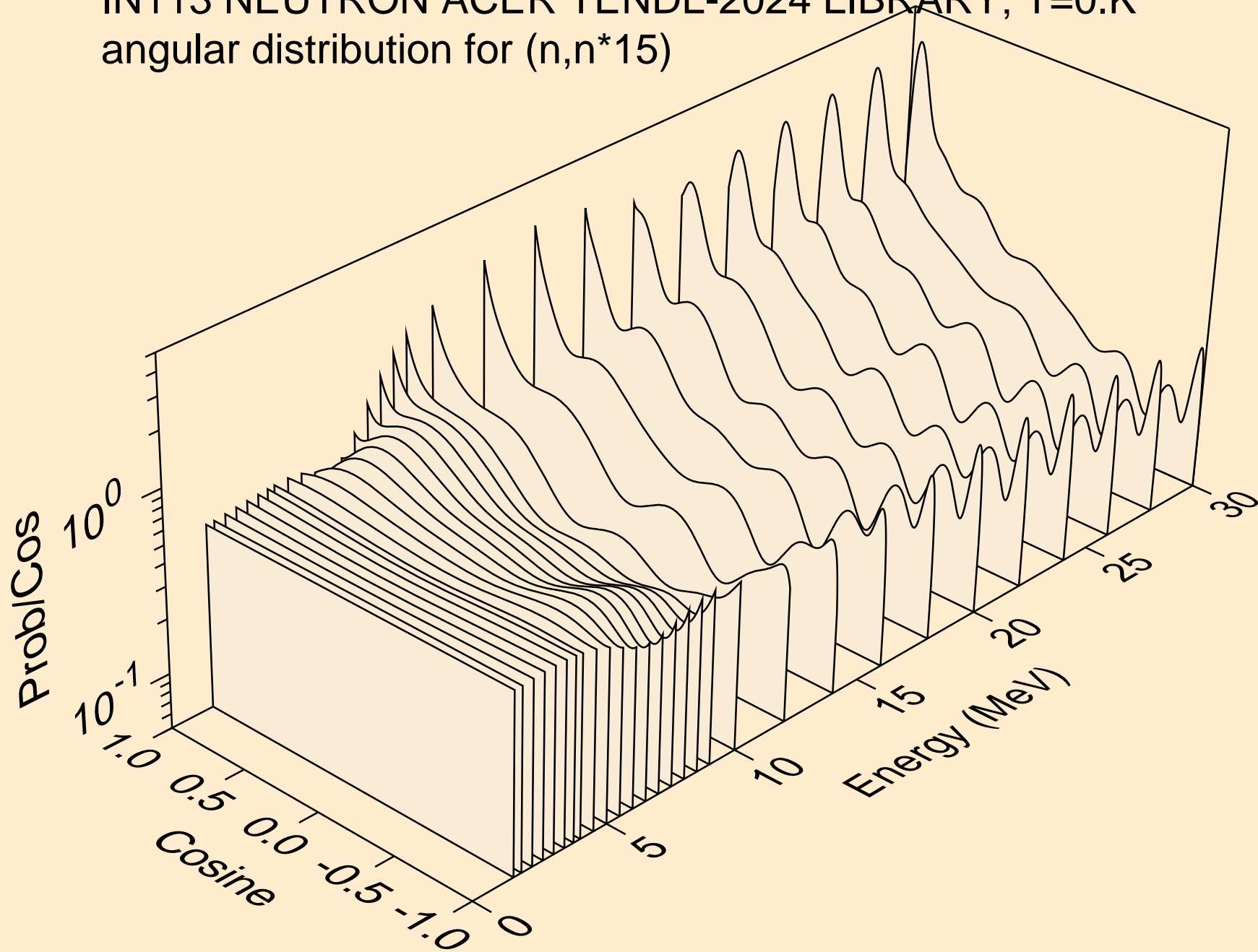




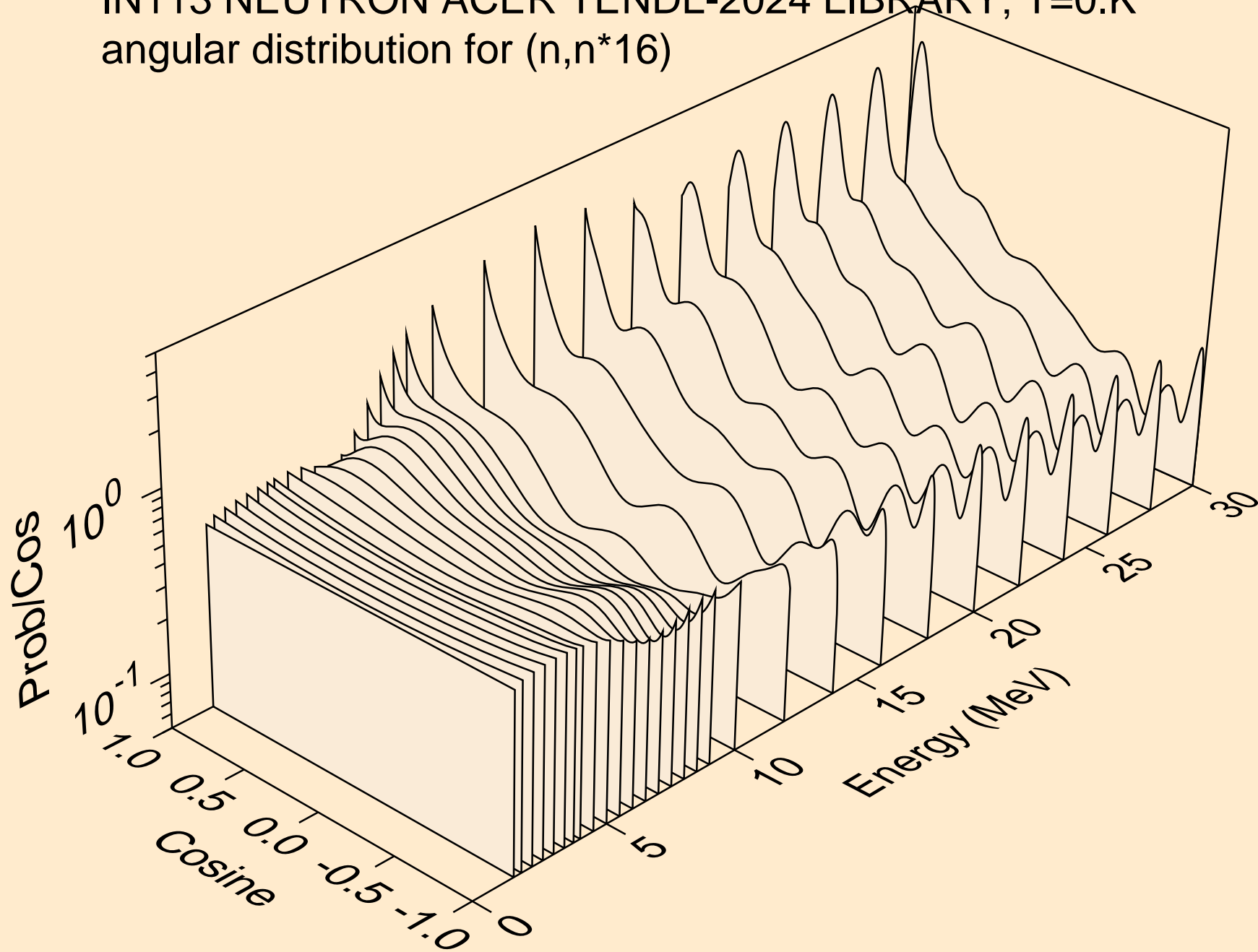
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angular distribution for (n,n\*14)



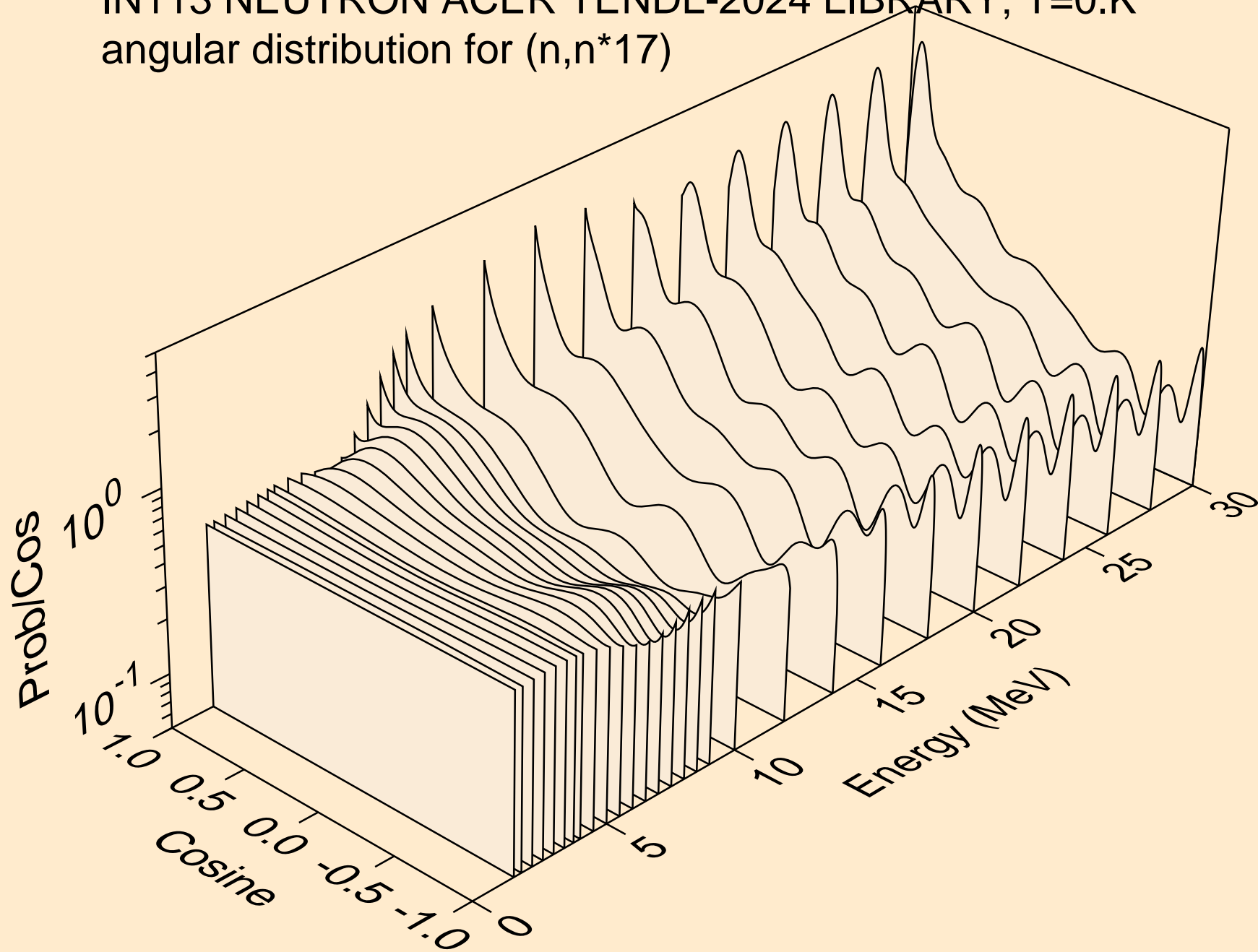
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angular distribution for (n,n\*15)



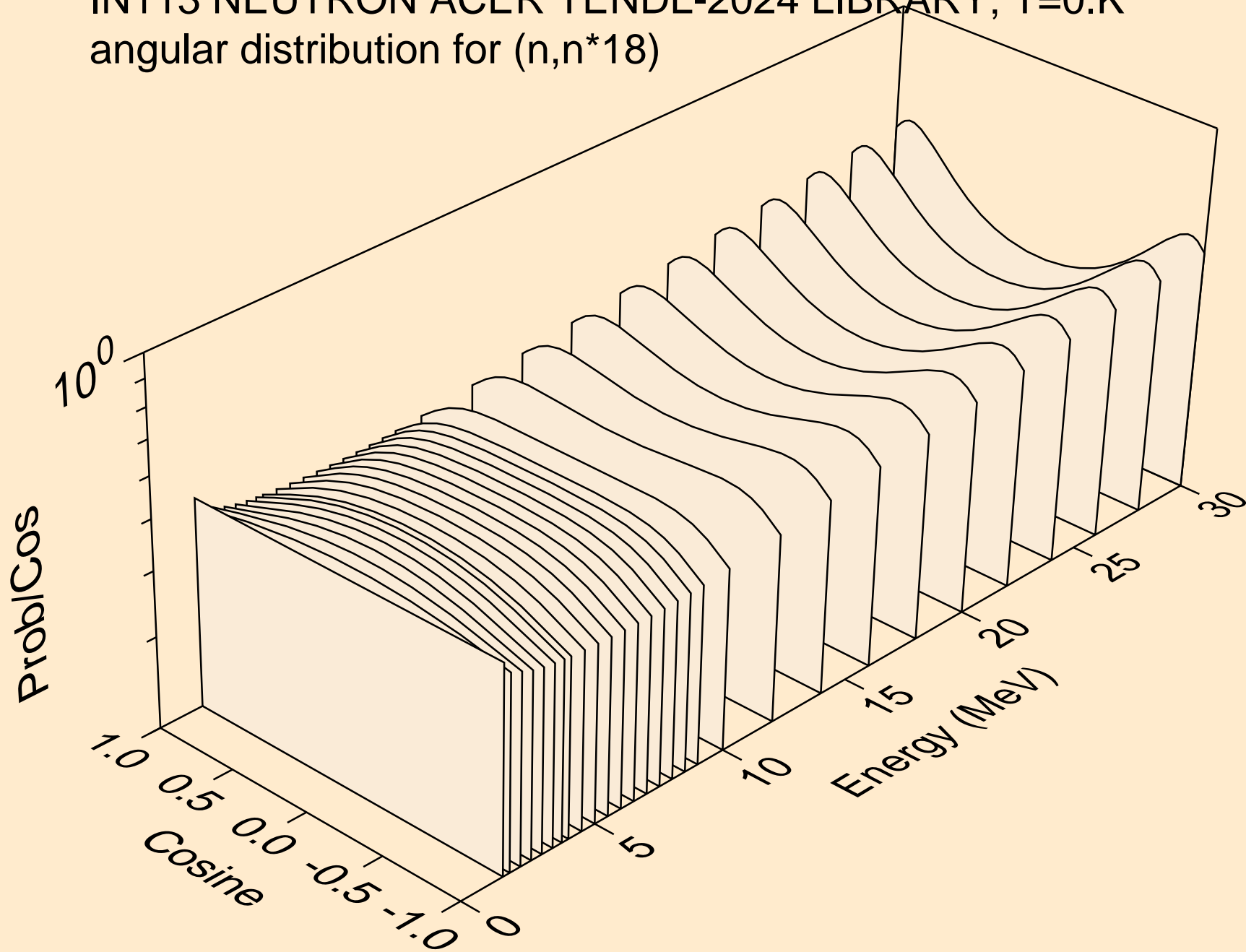
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angular distribution for (n,n\*16)



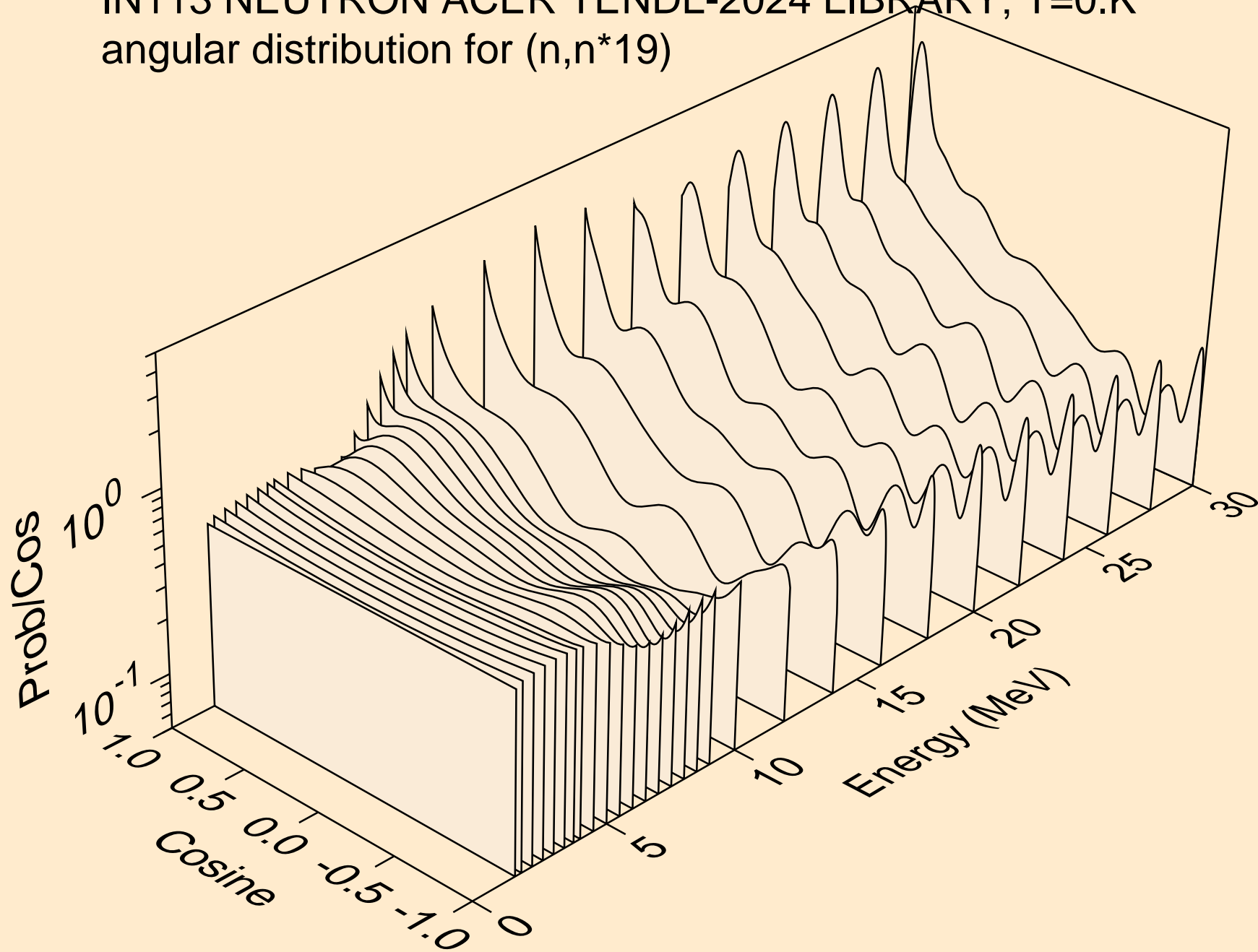
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angular distribution for (n,n\*17)



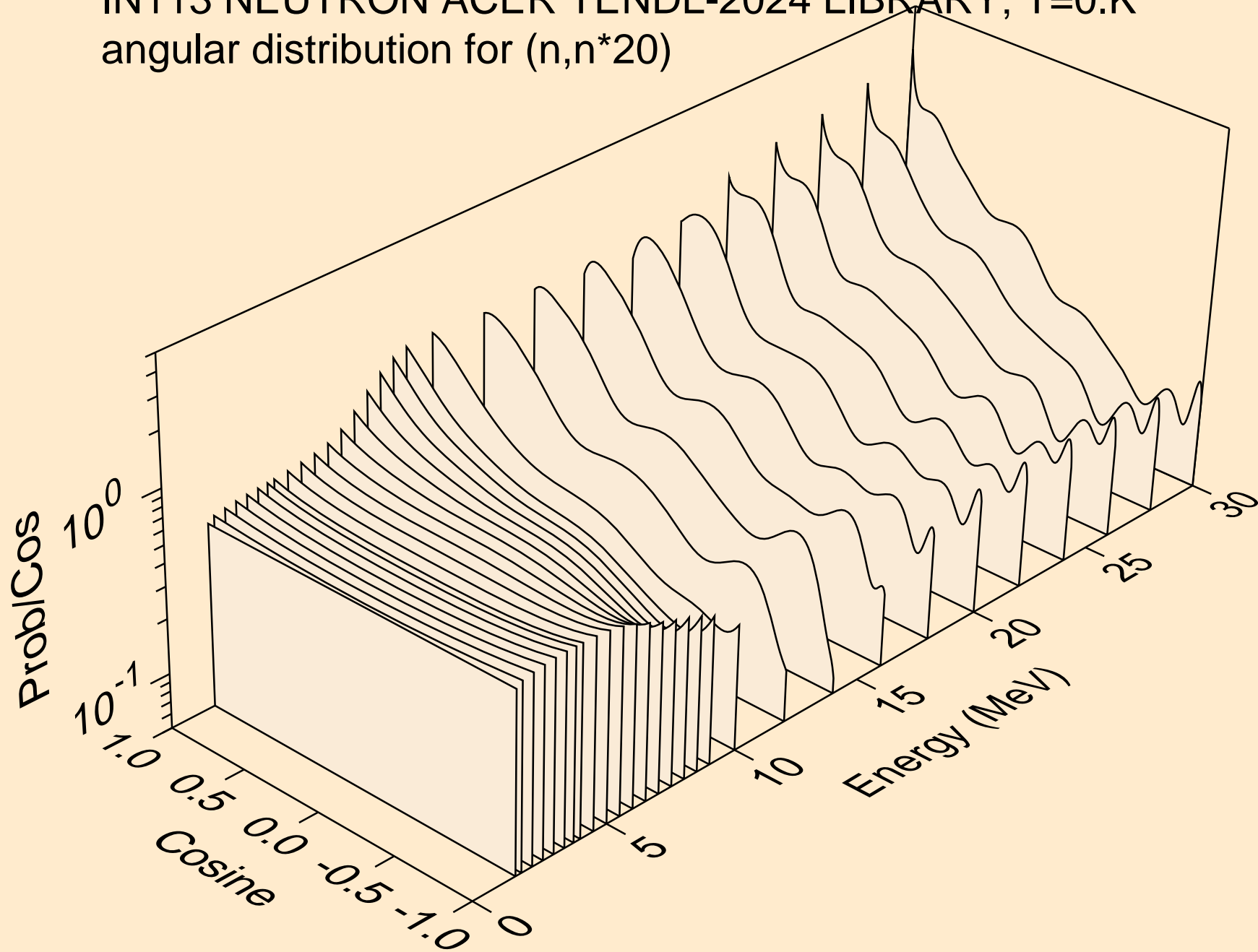
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



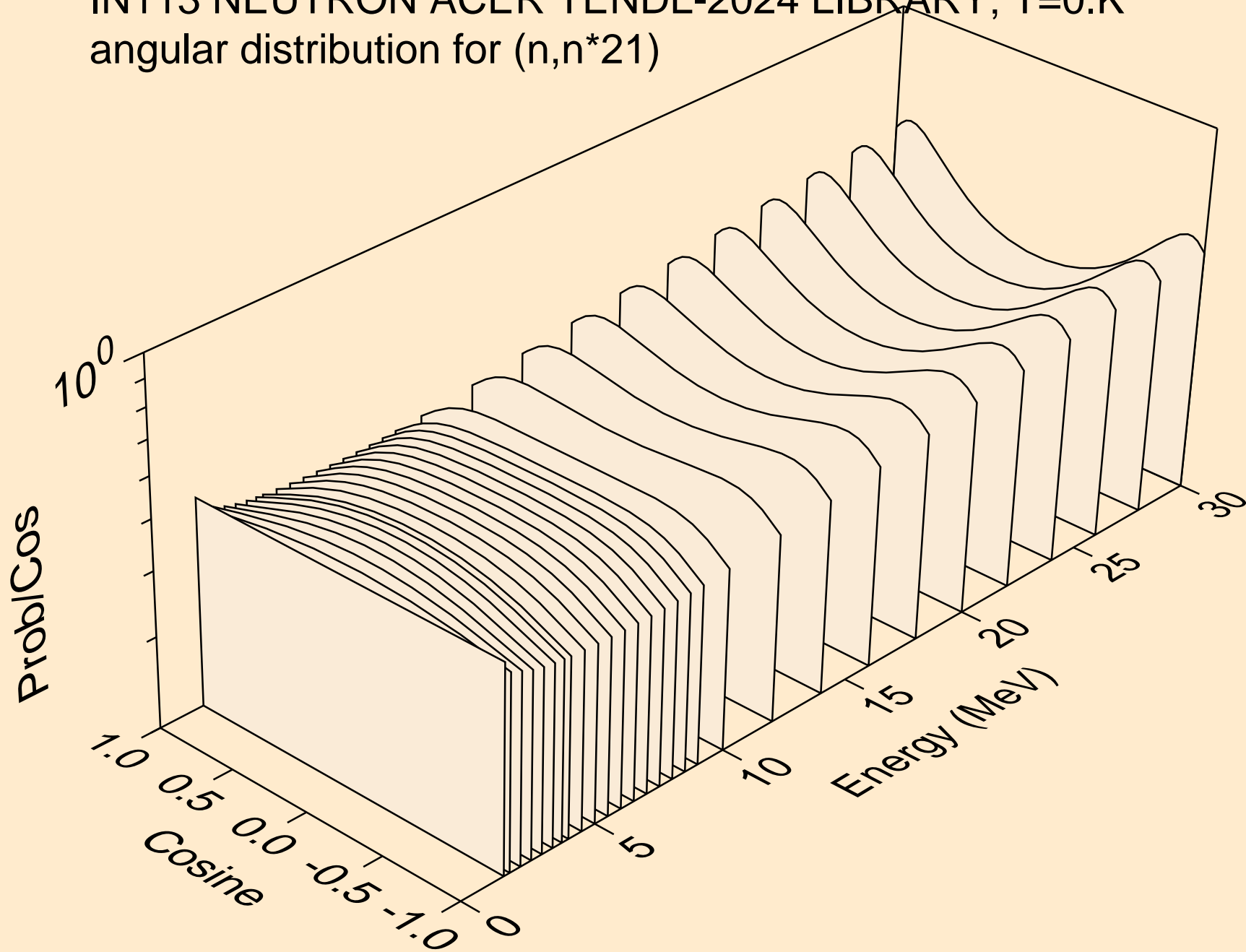
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*20)

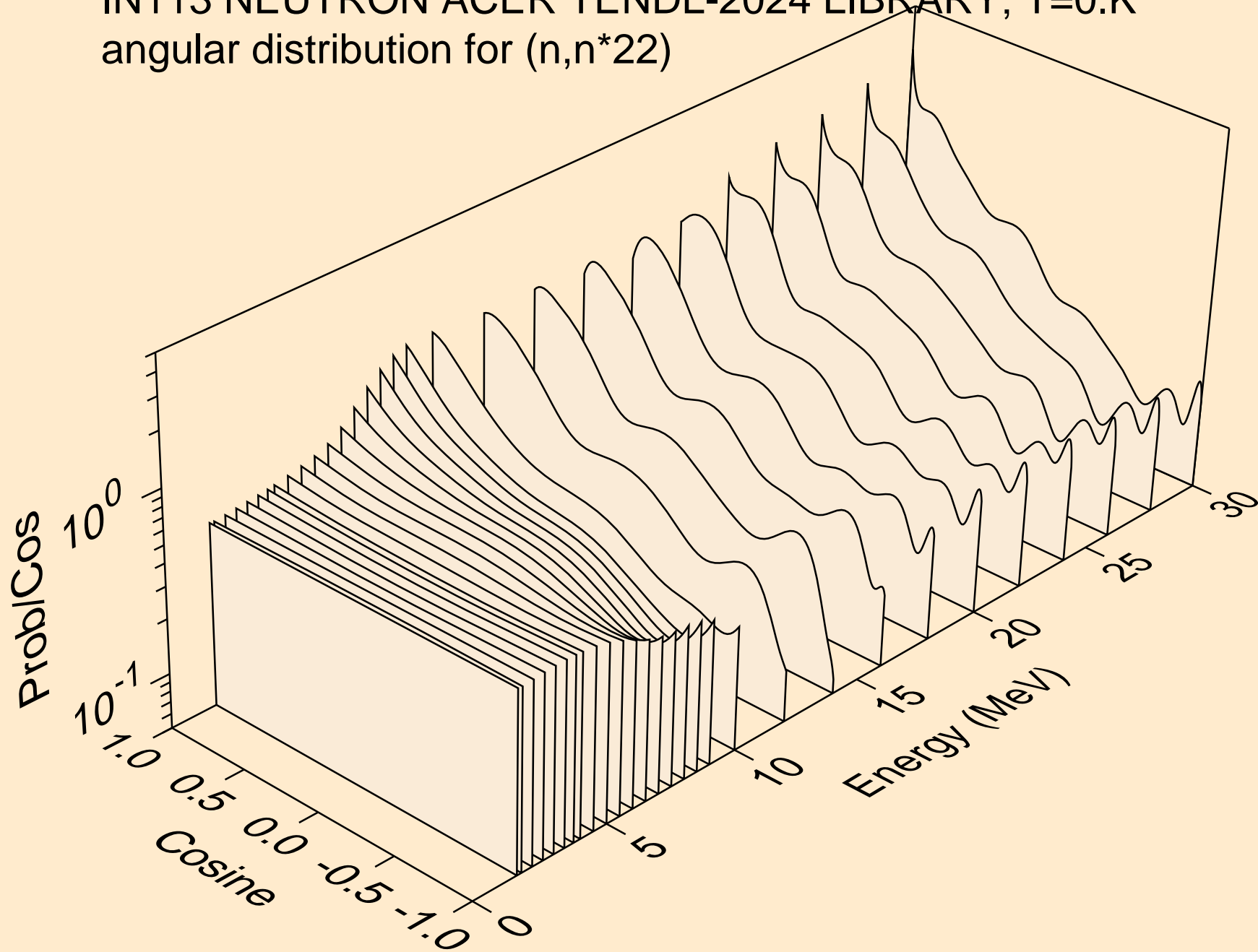


IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*21)

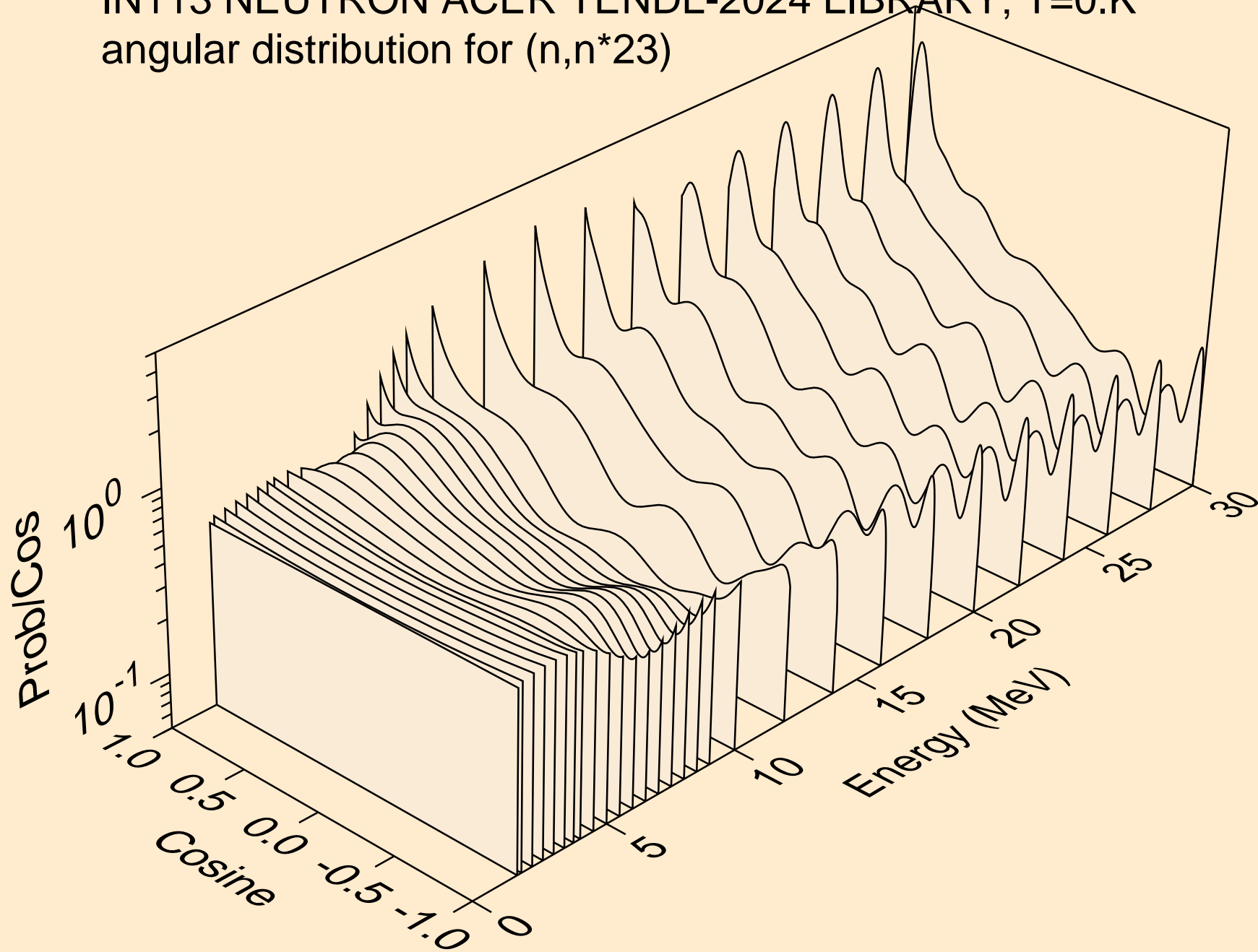




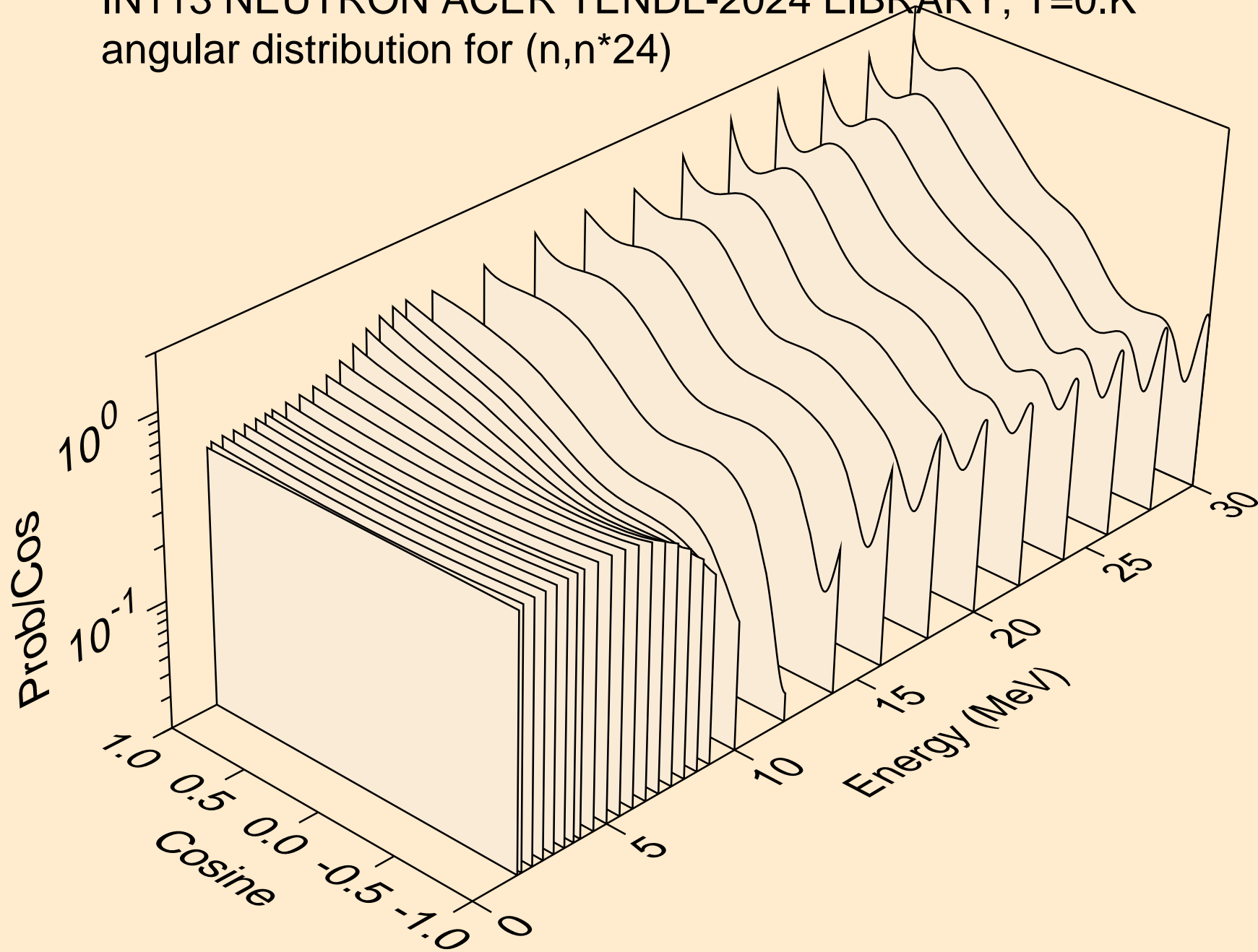
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*22)



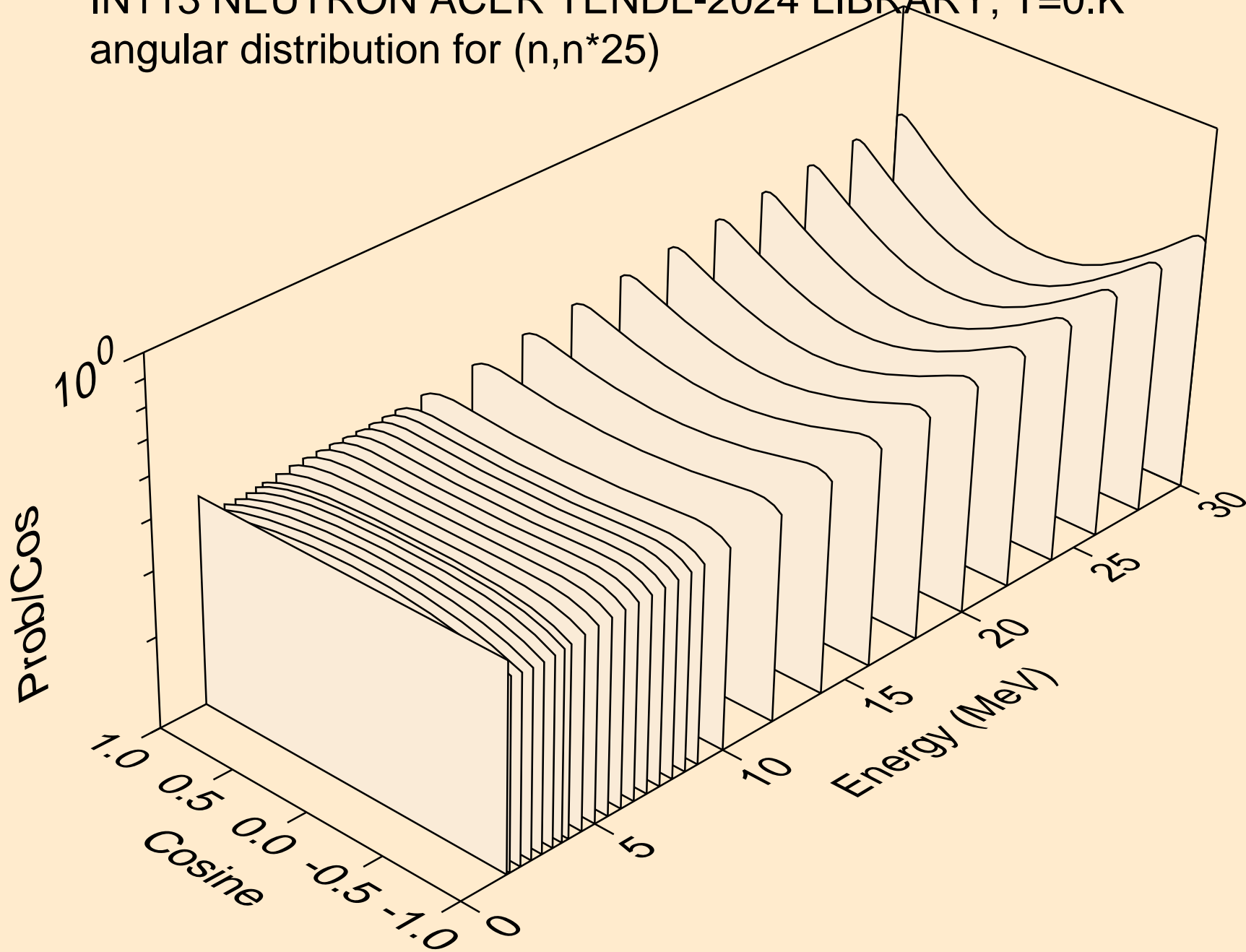
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angular distribution for (n,n\*23)



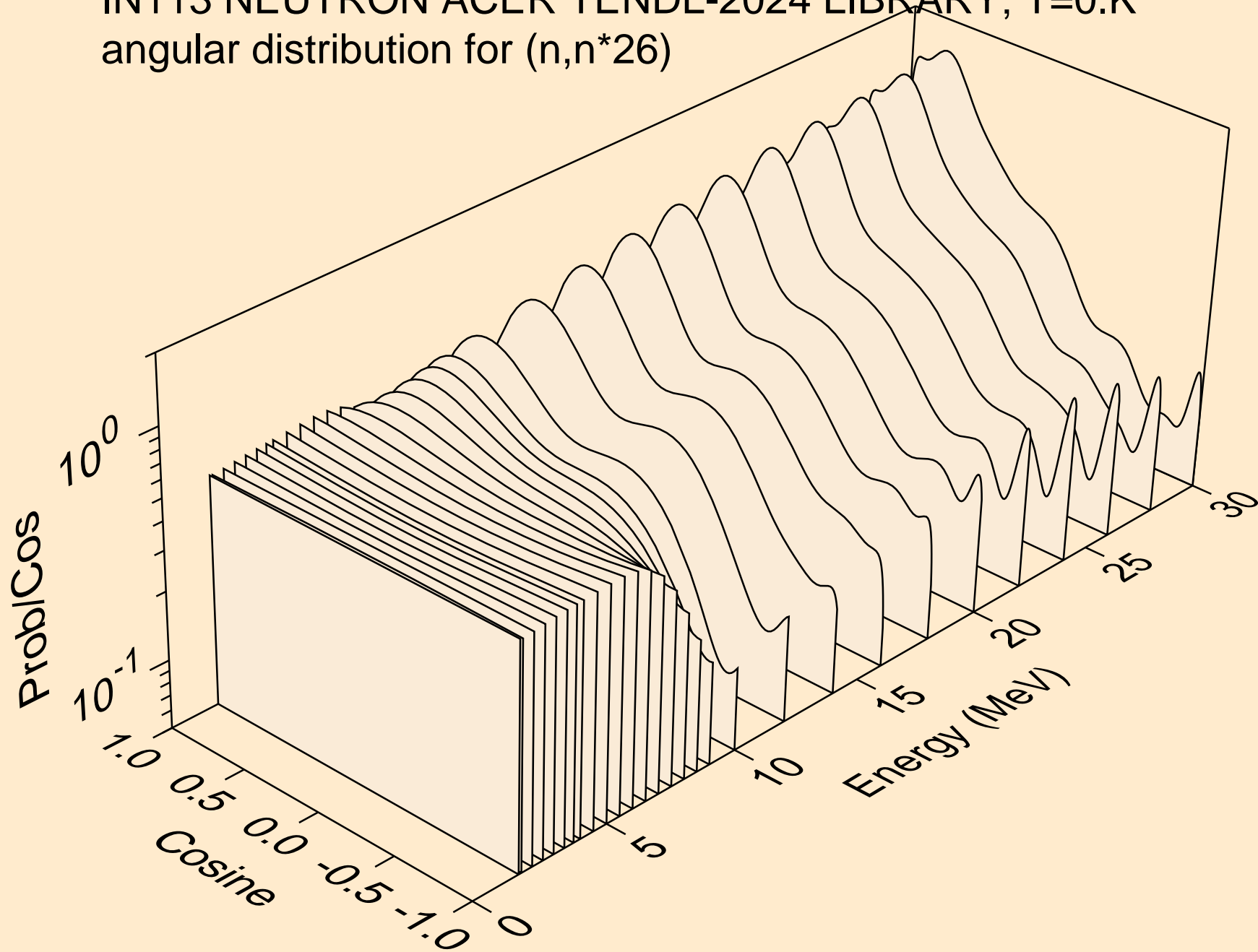
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*24)



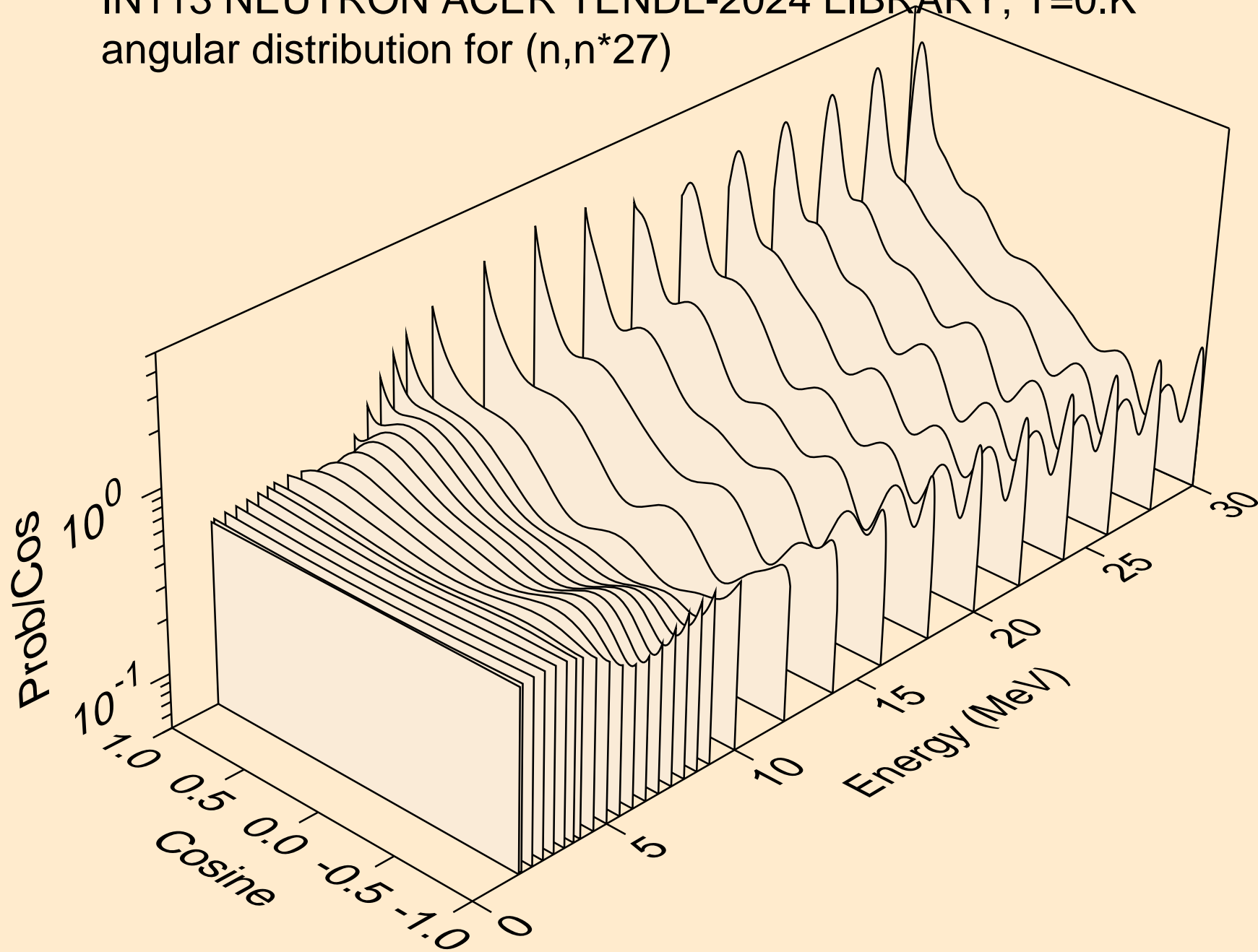
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*25)



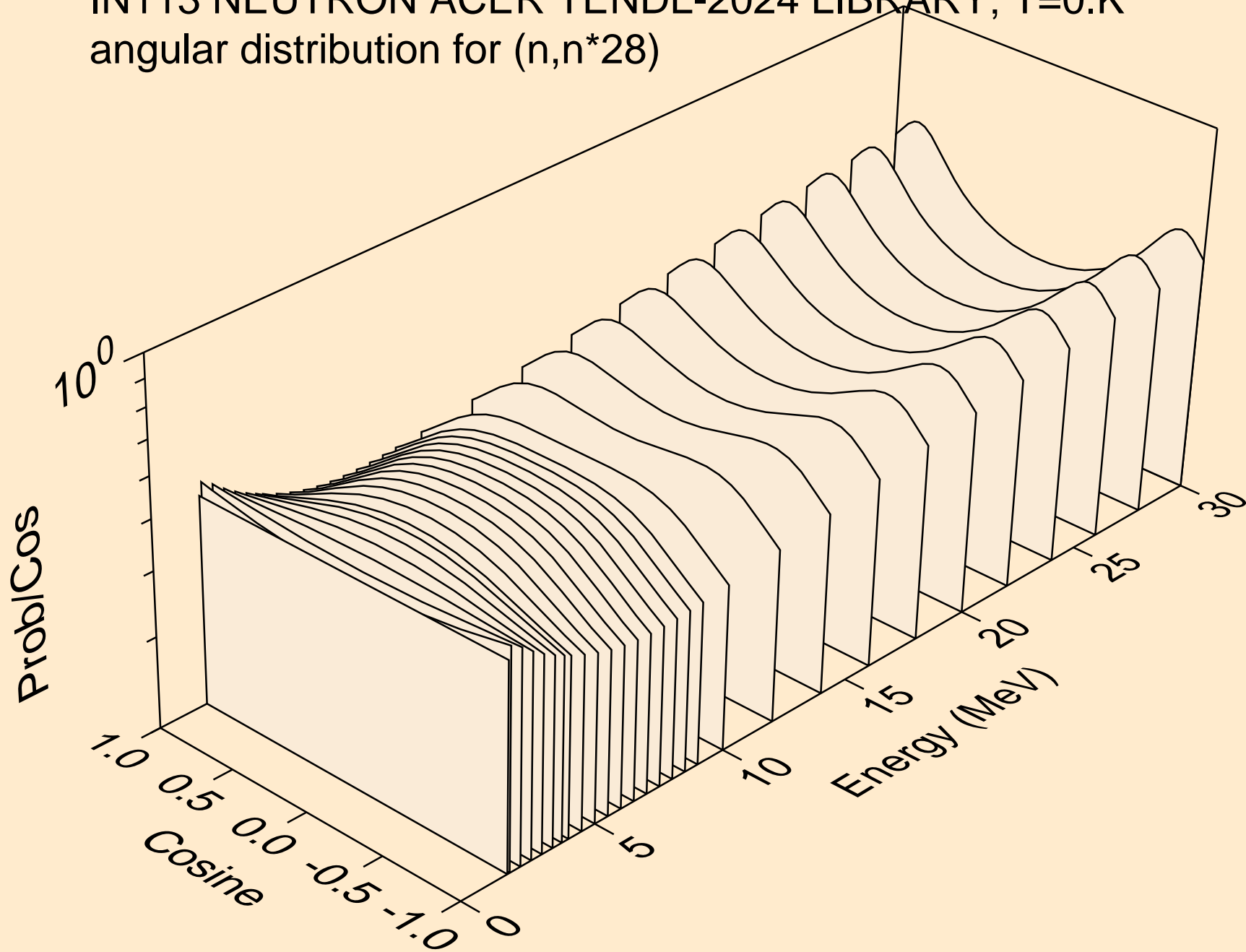
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



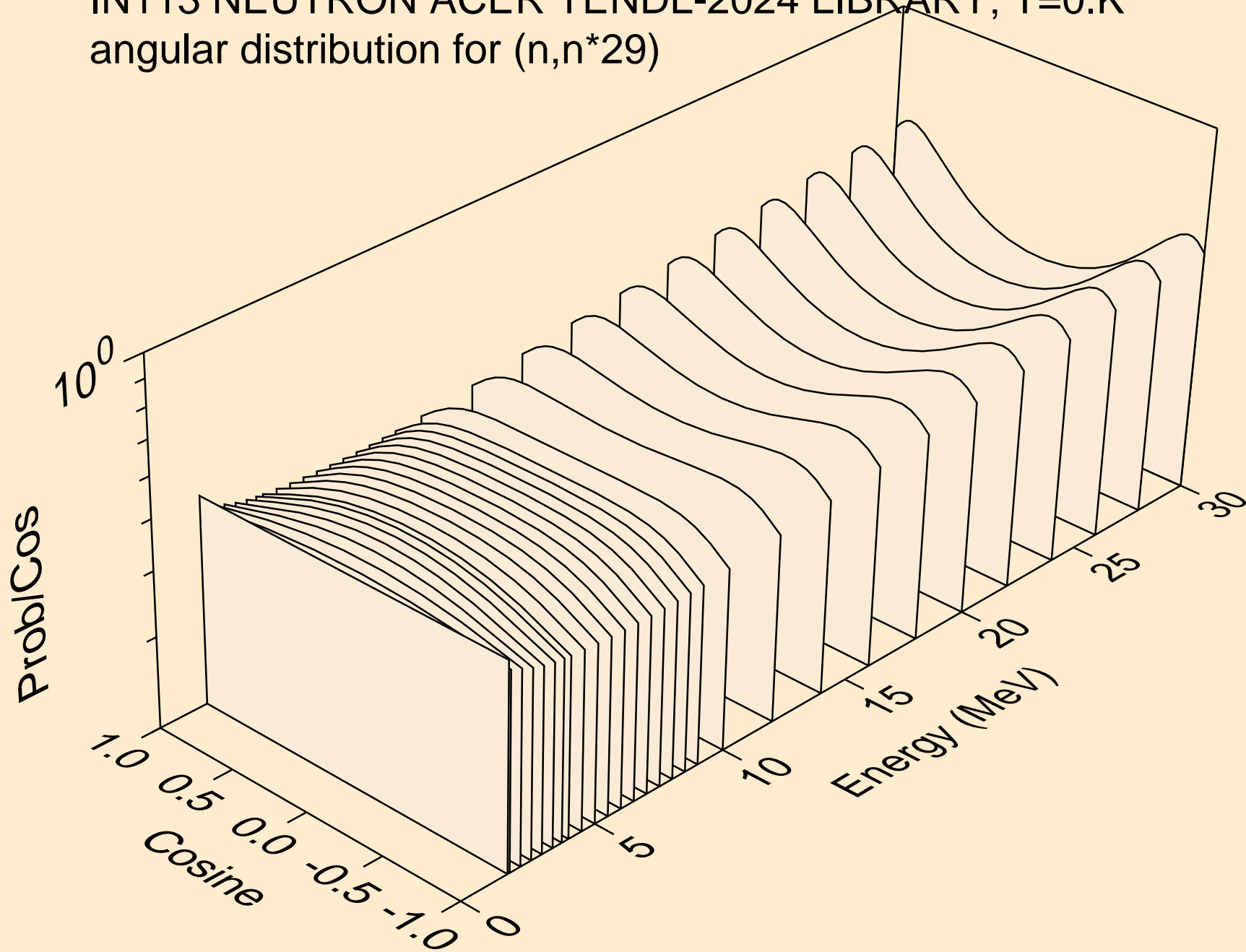
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*28)

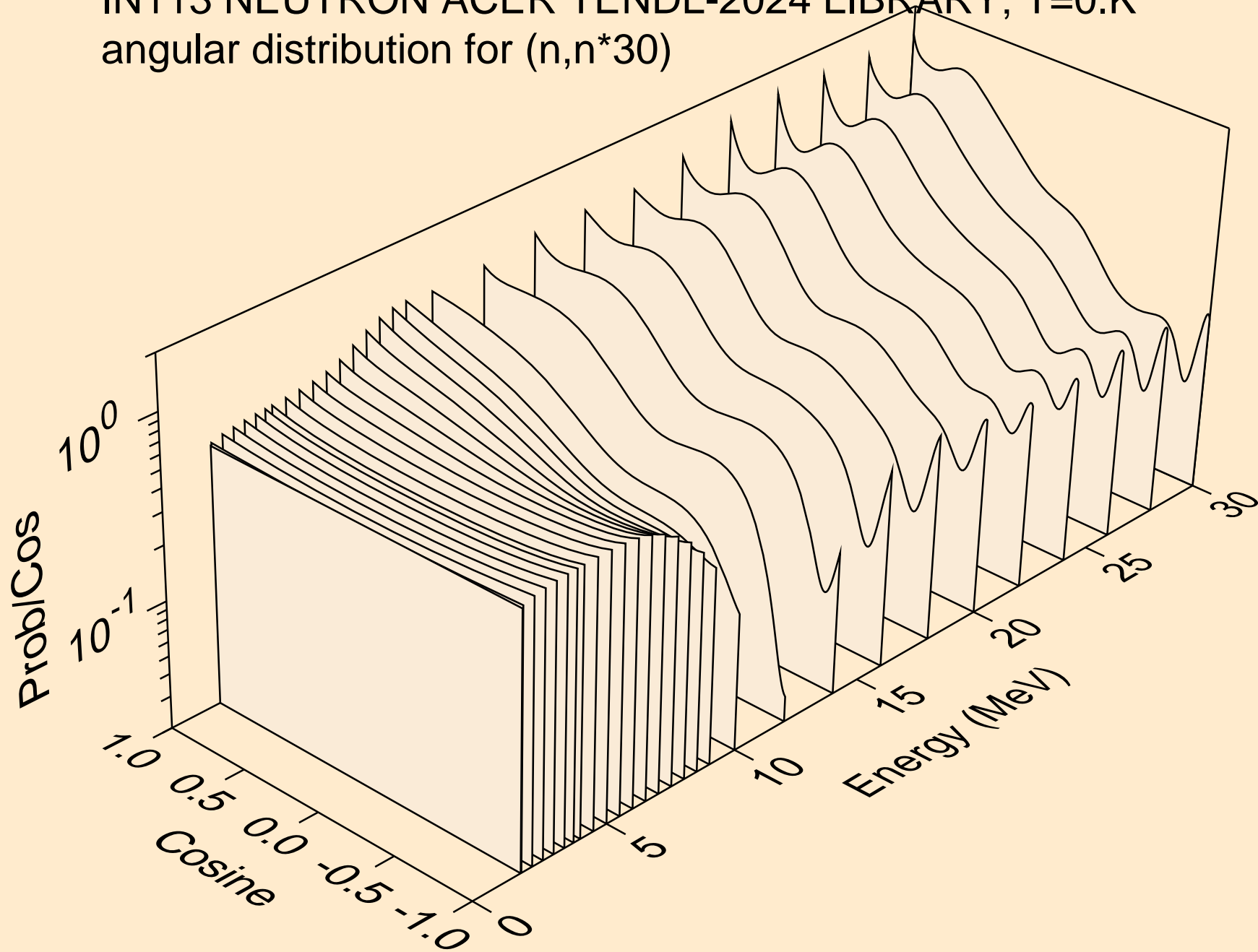


IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*29)

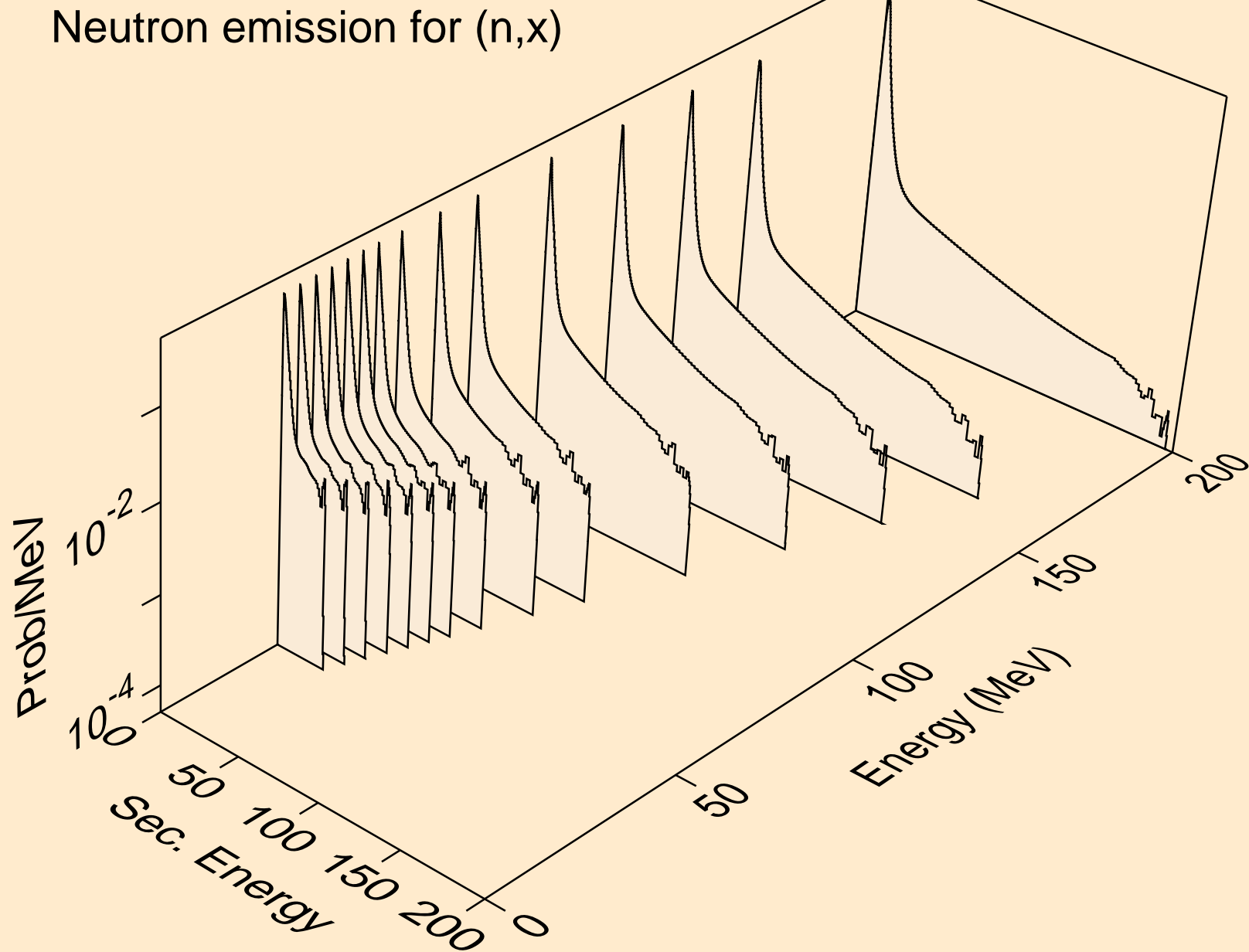




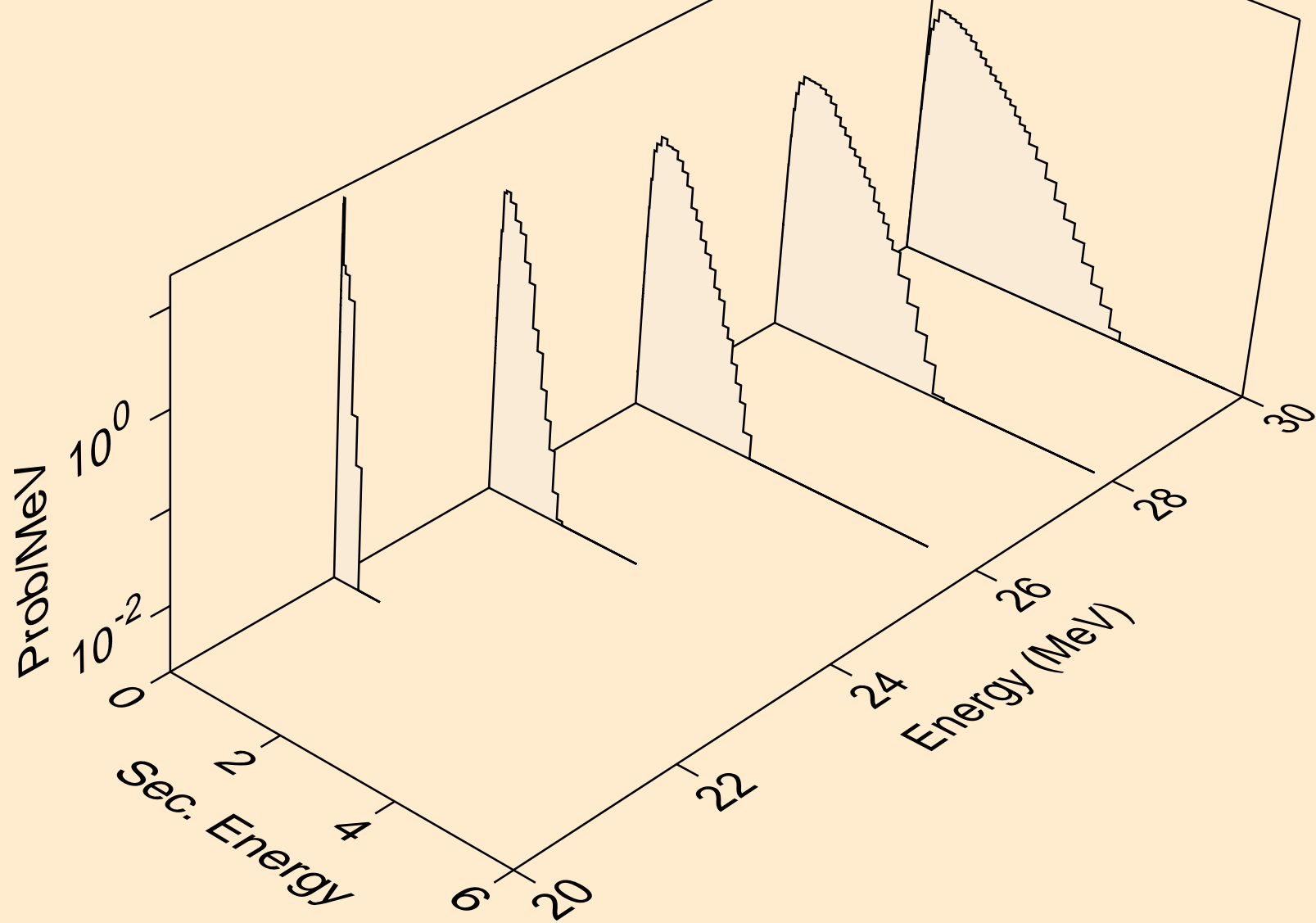
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*30)



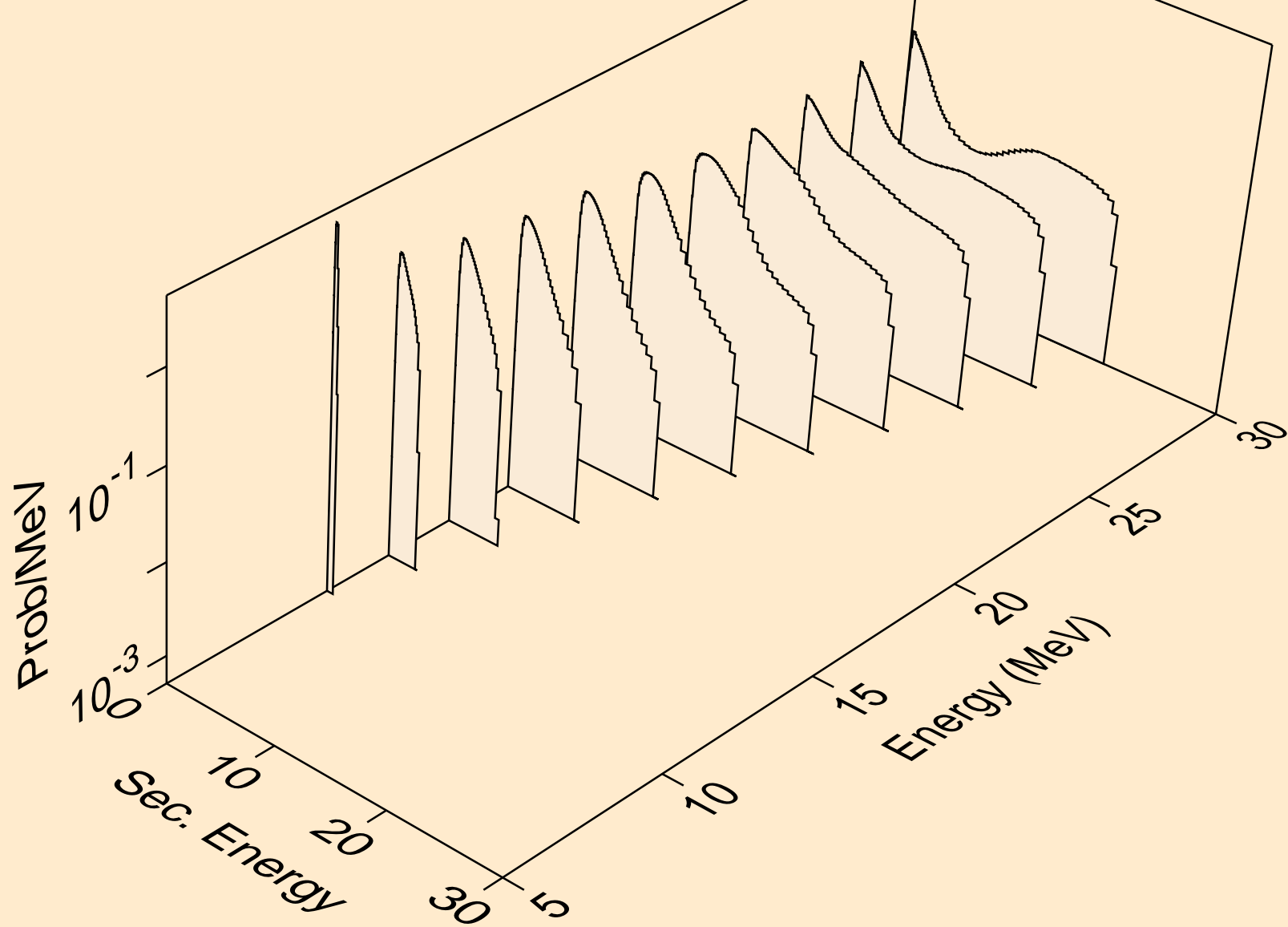
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



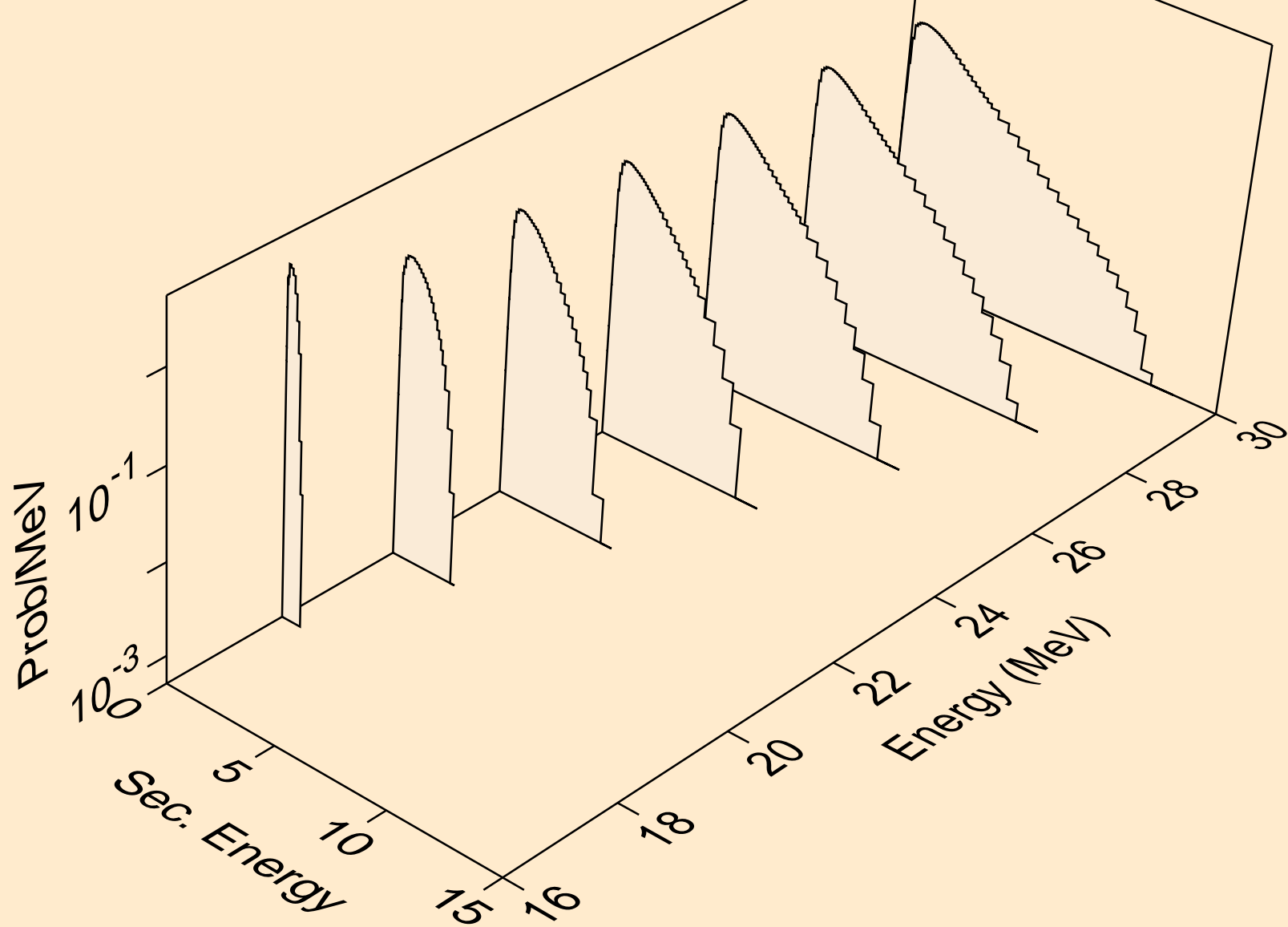
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



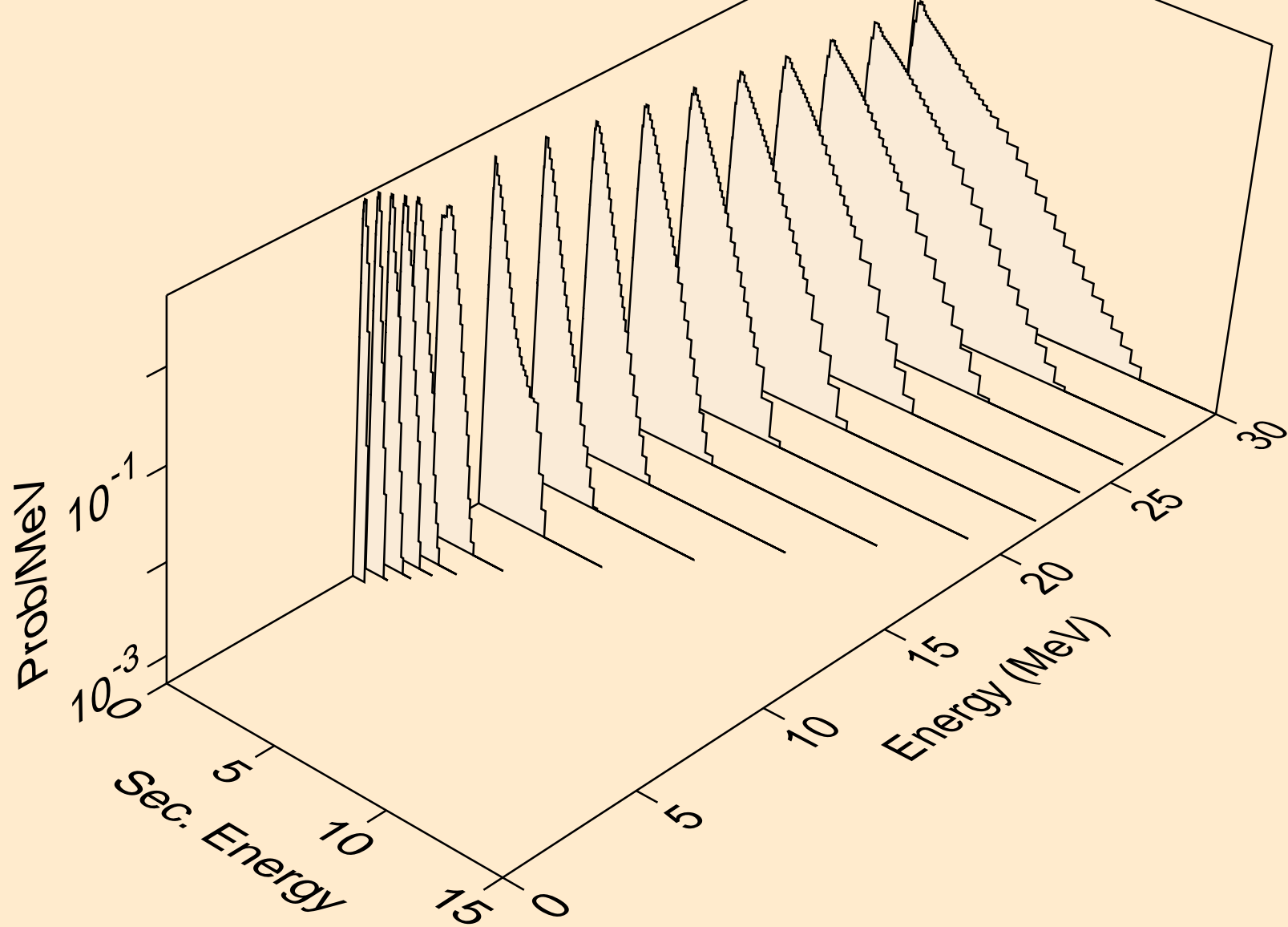
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



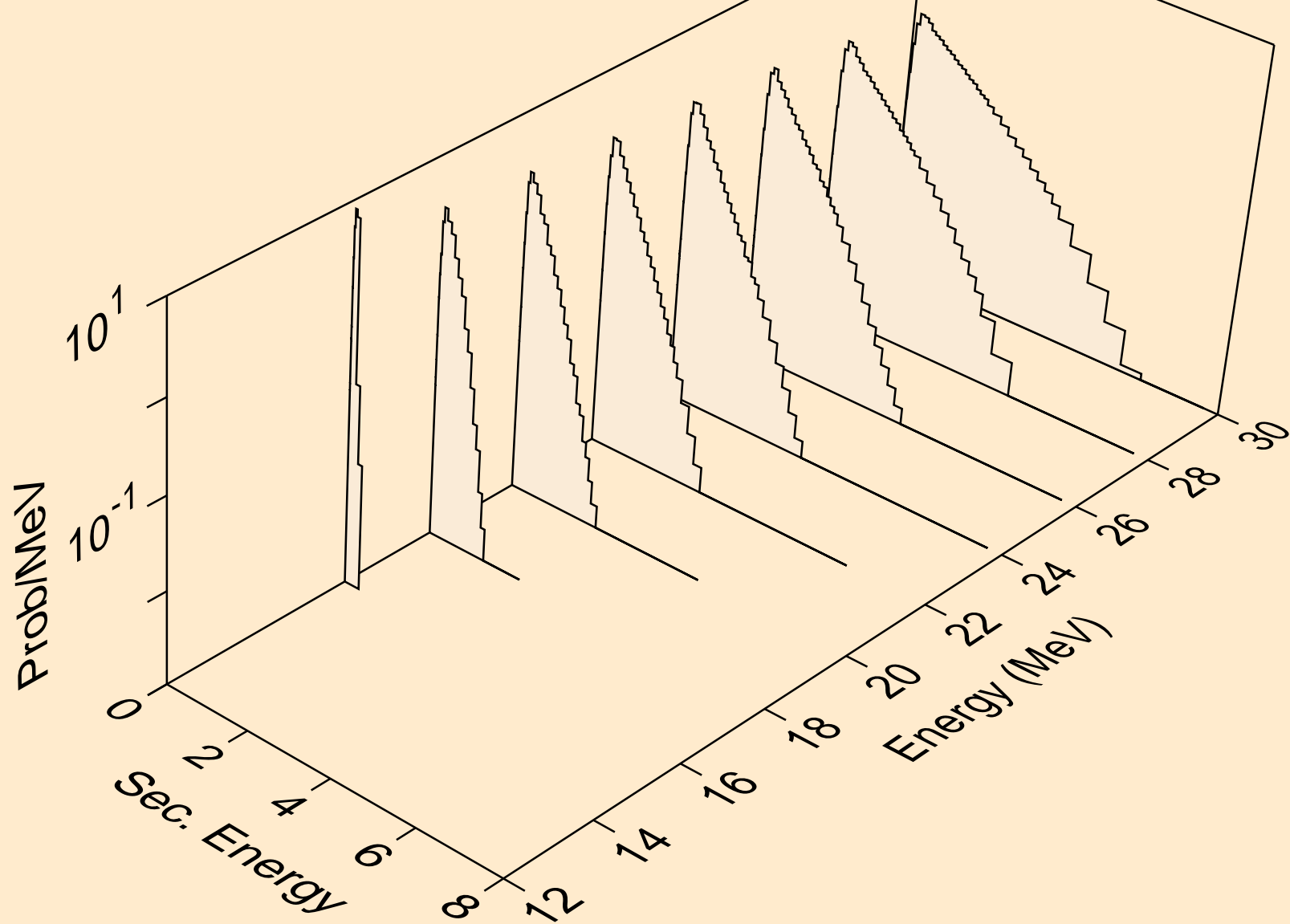
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



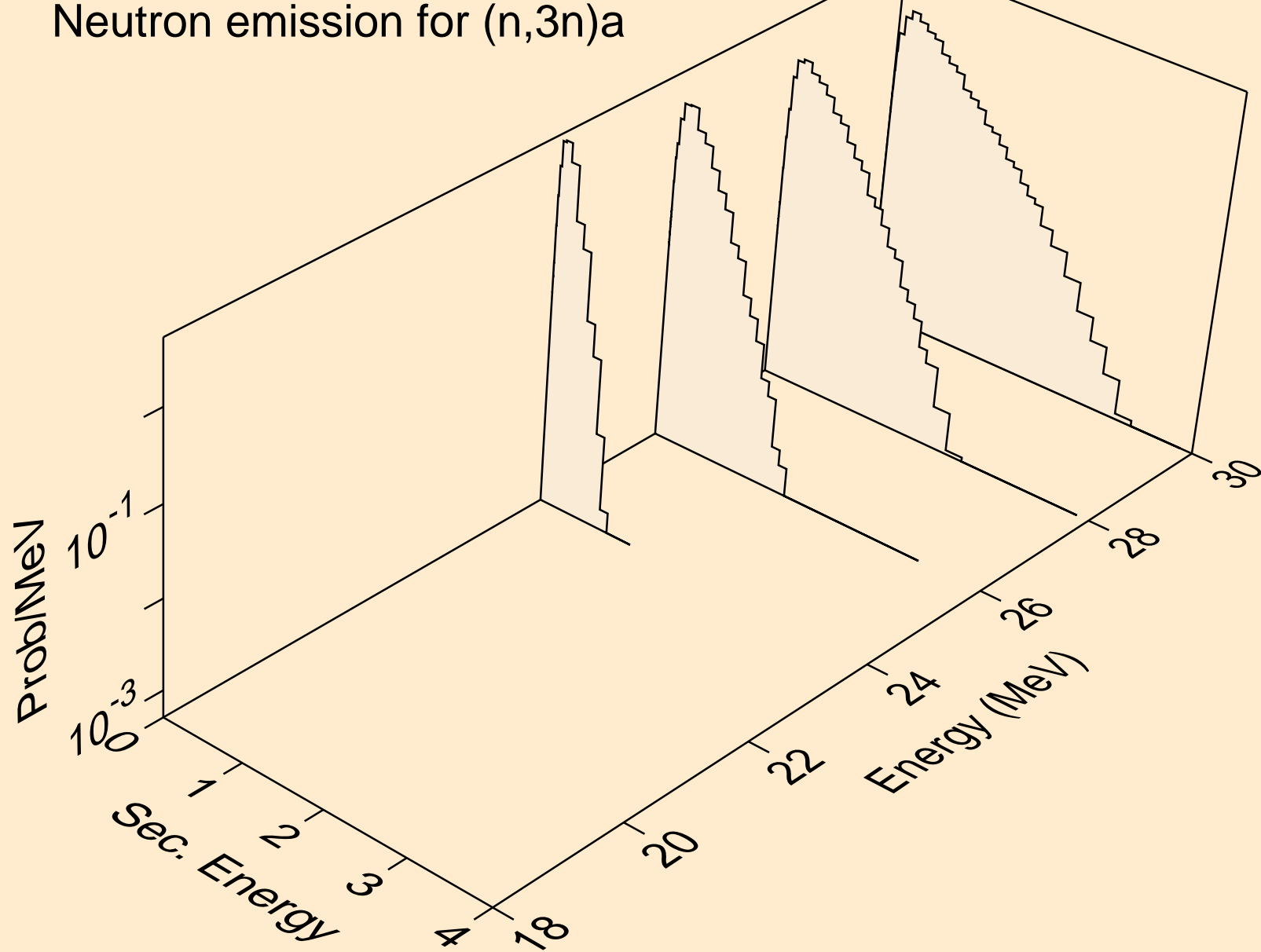
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a

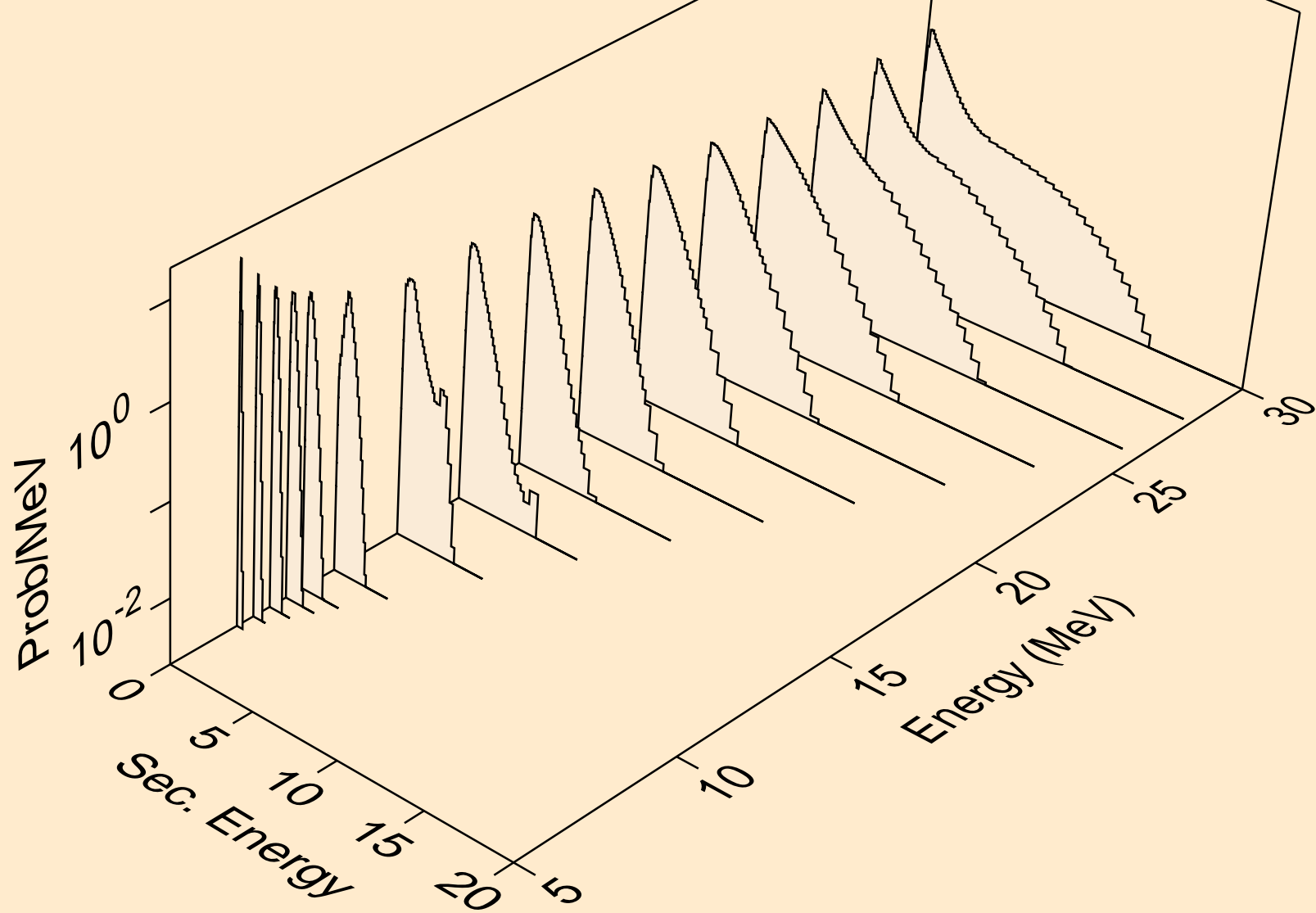


IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a

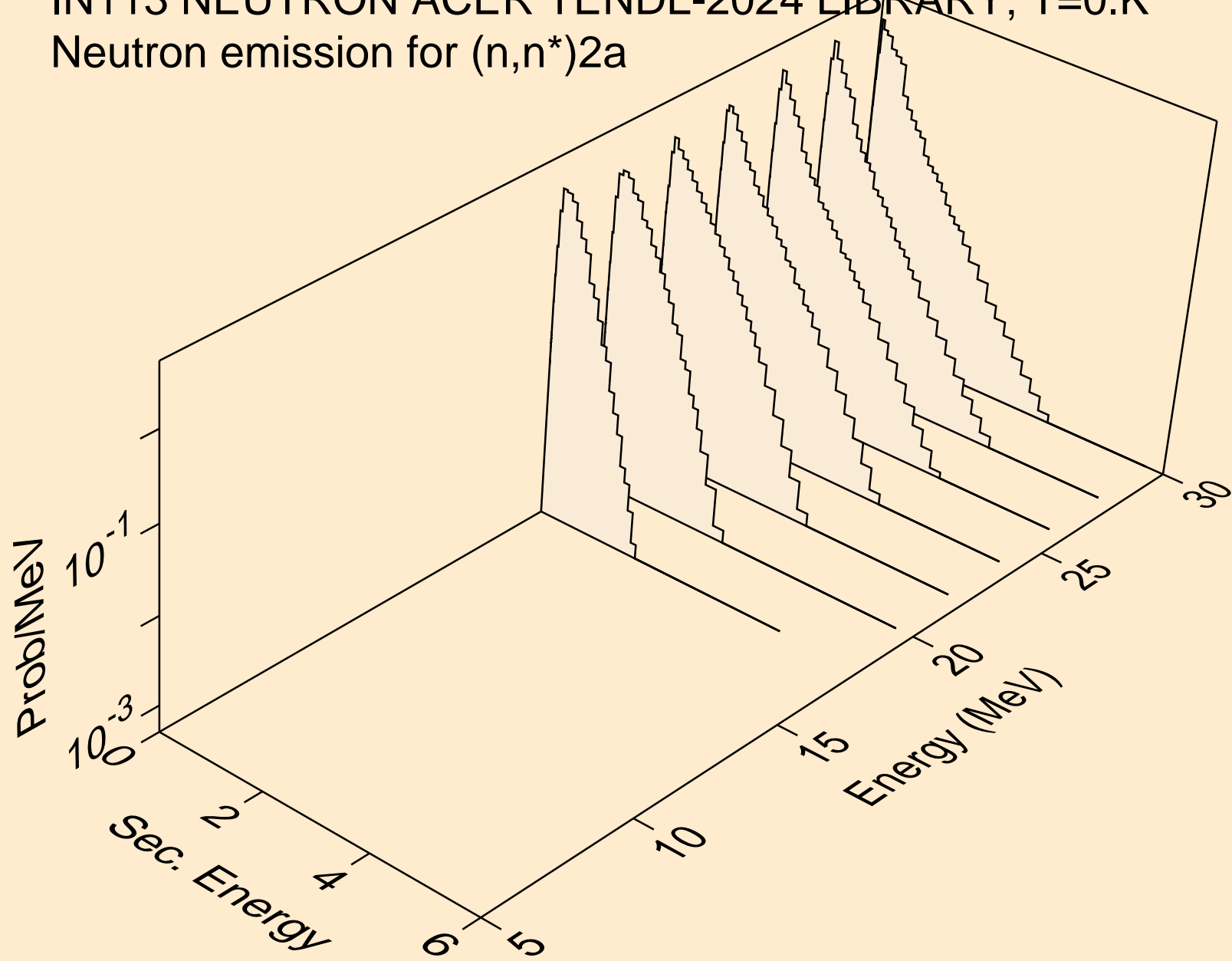




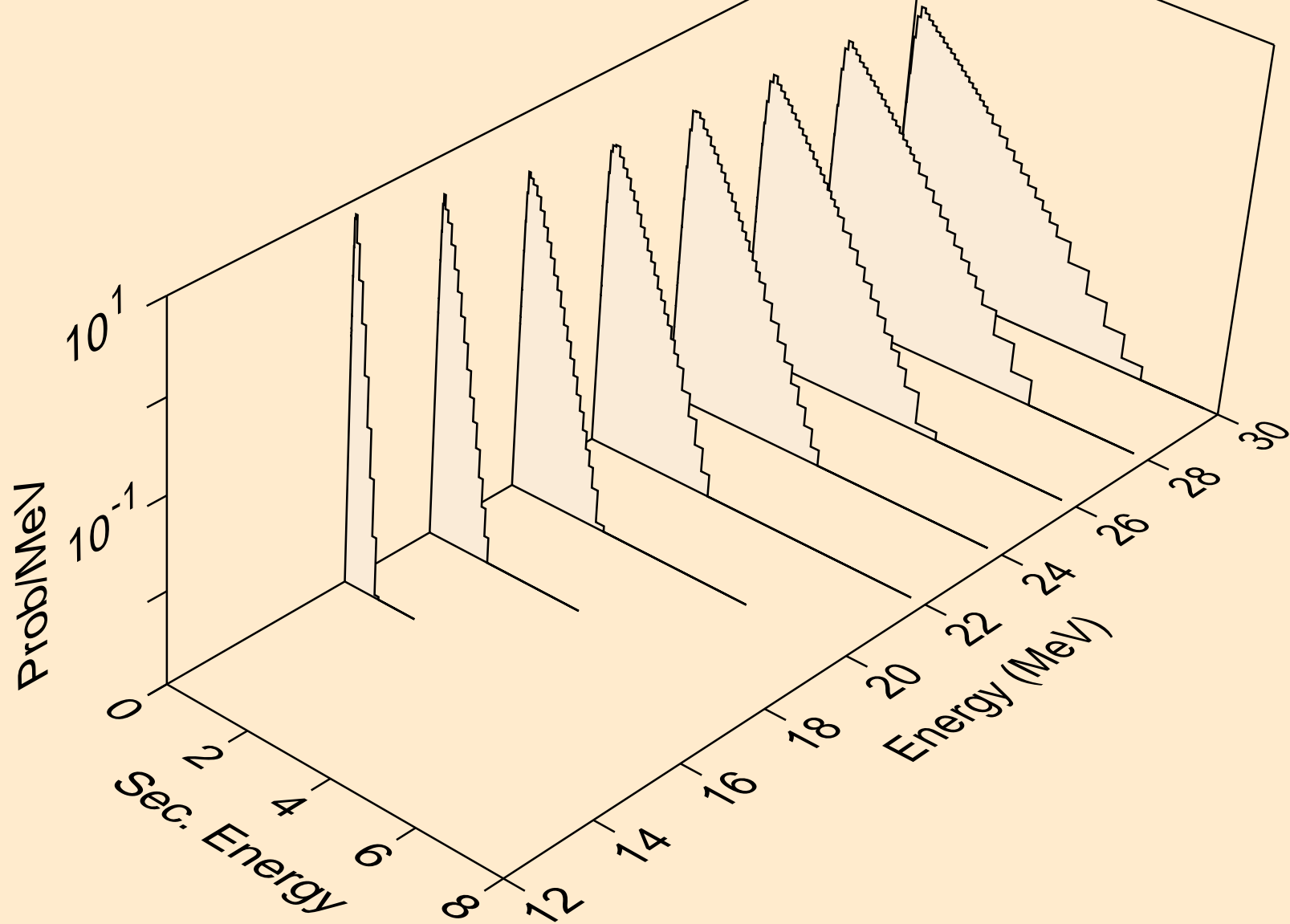
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



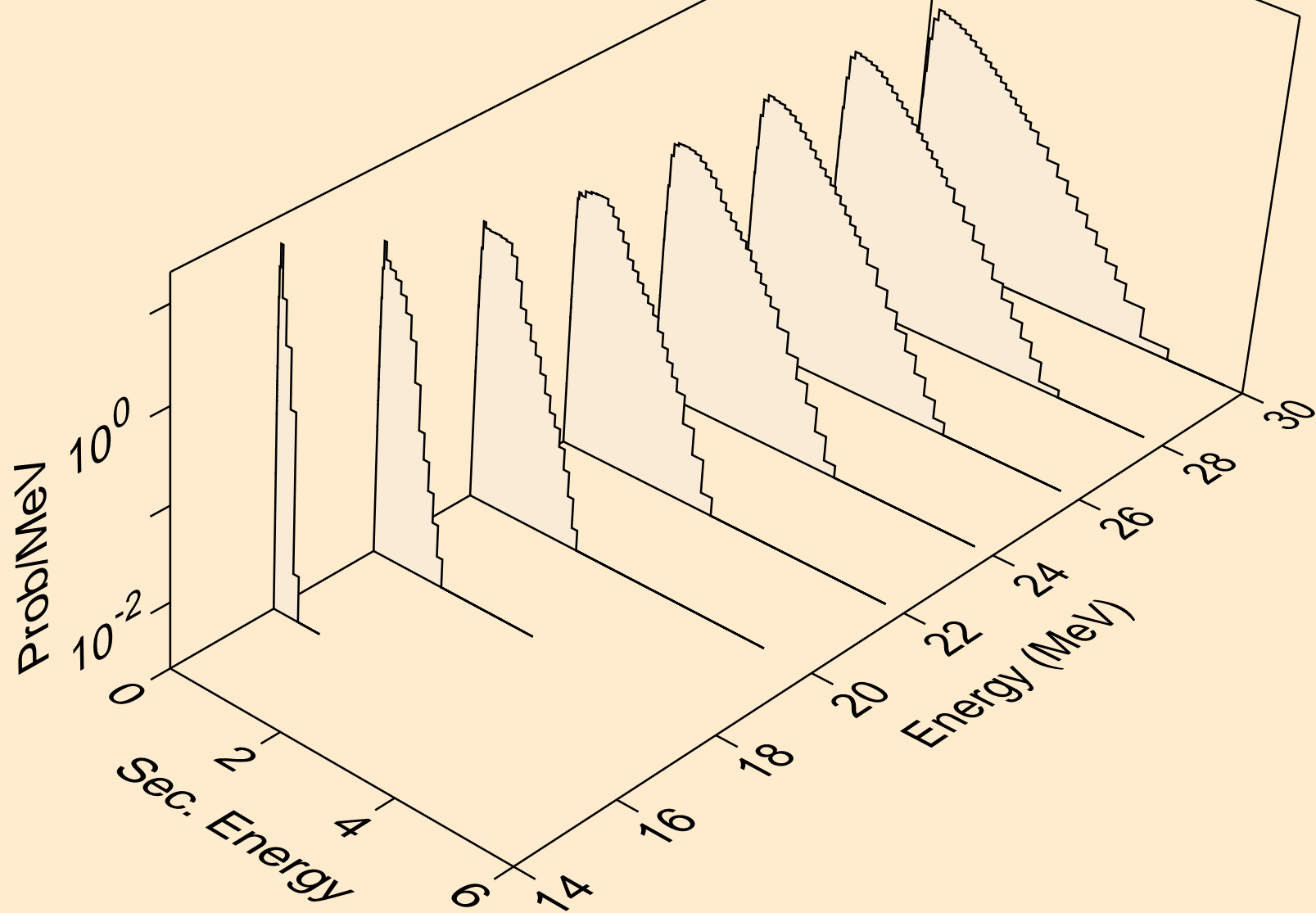
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



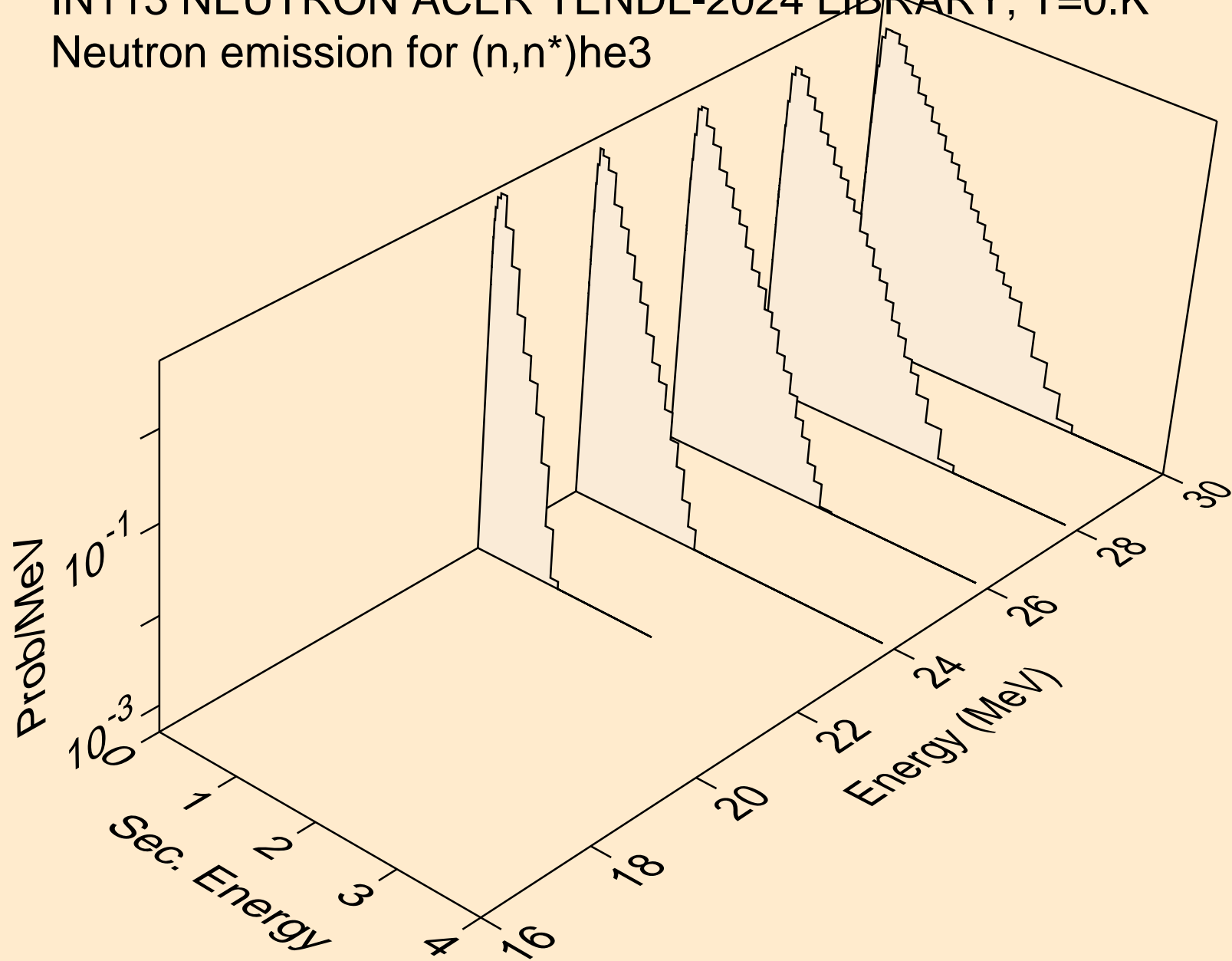
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



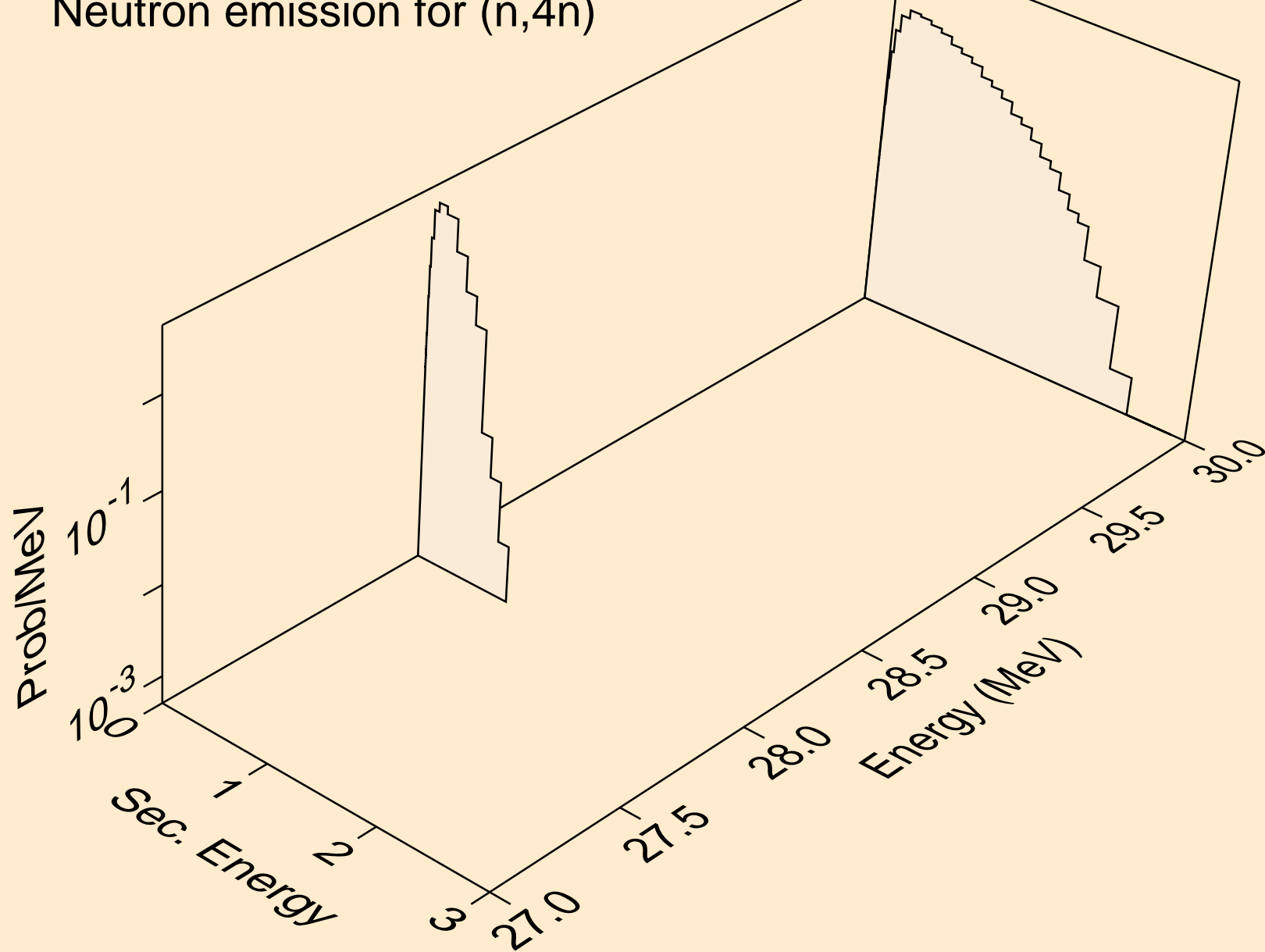
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



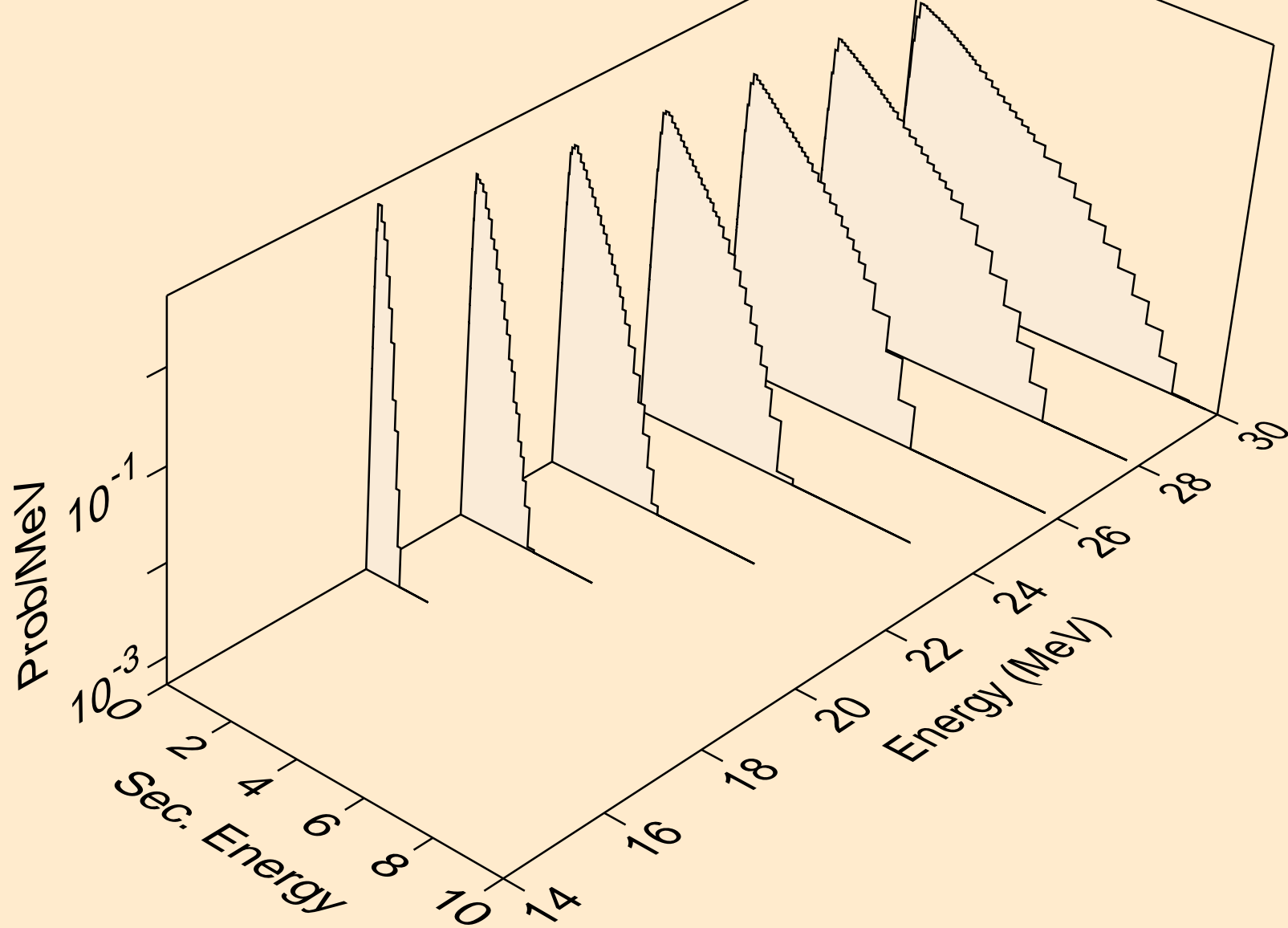
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



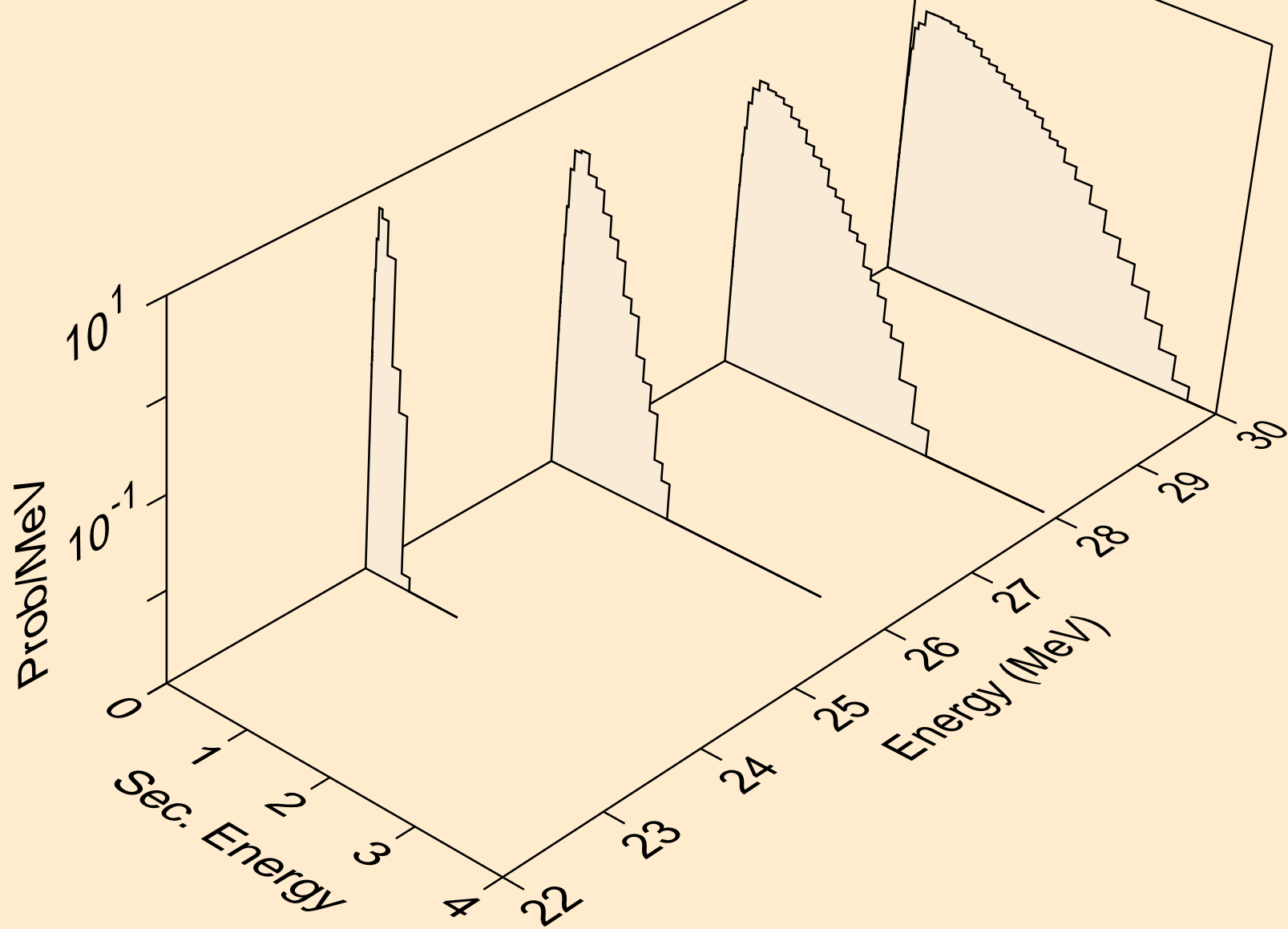
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)



IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)

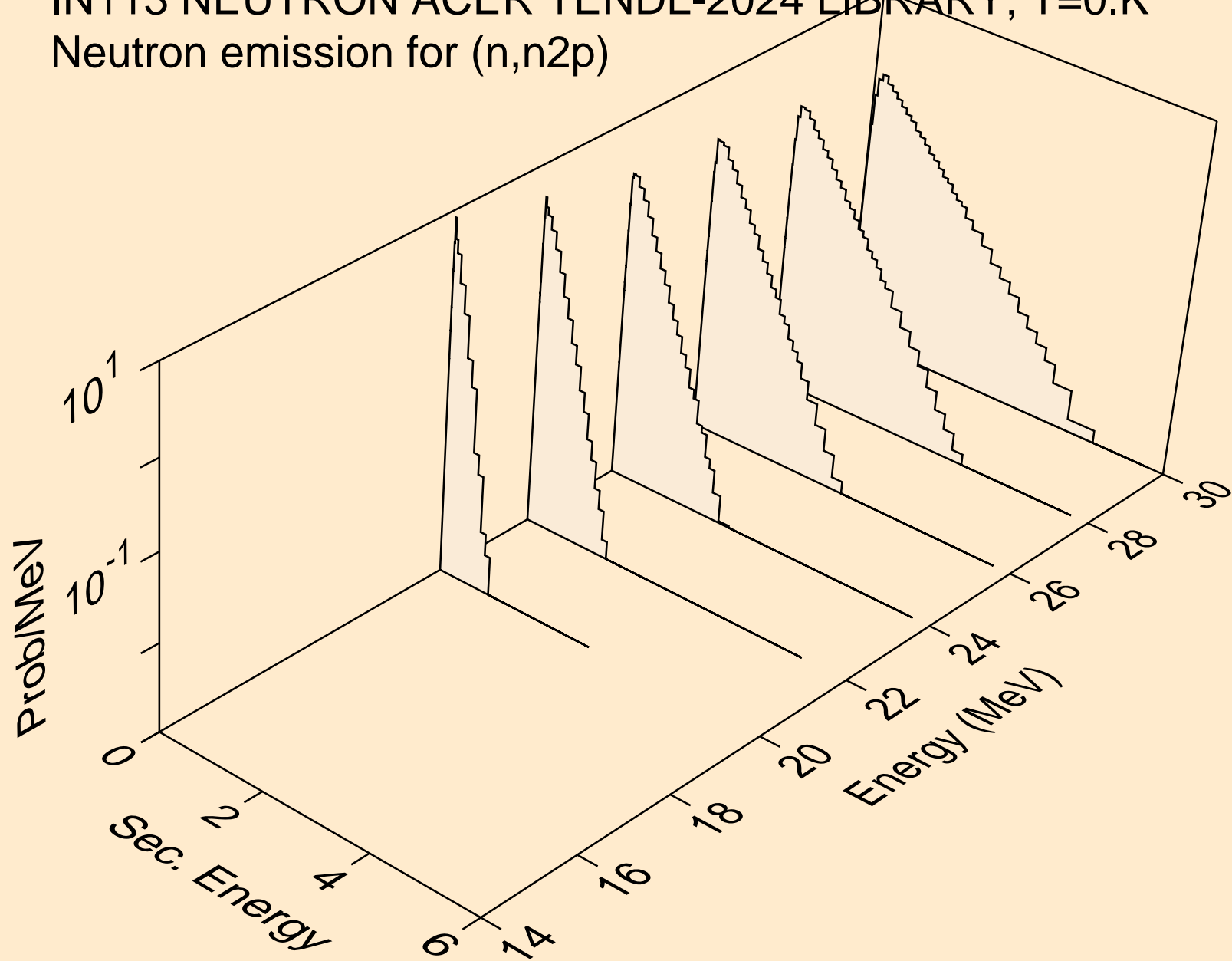


IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)

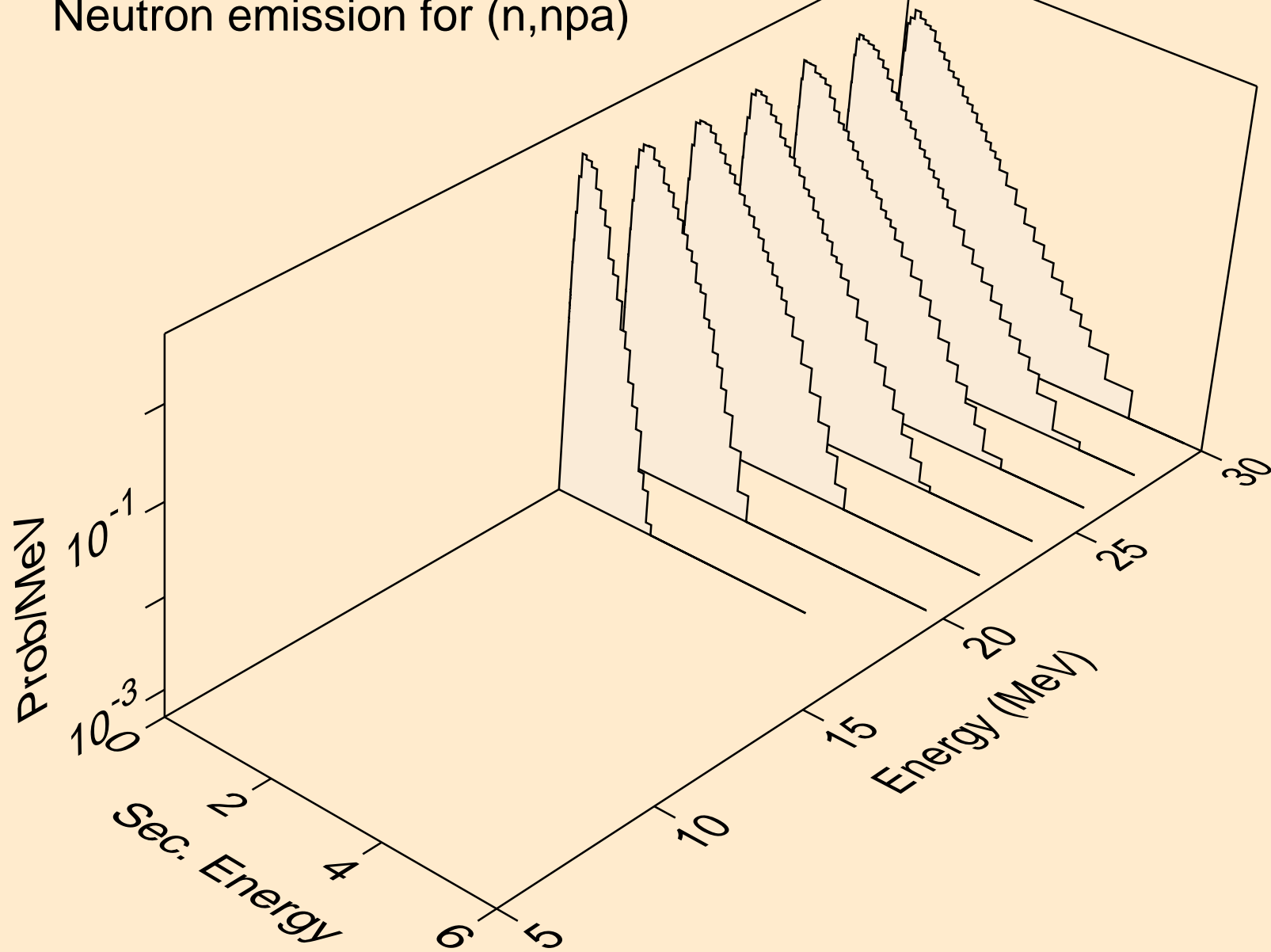




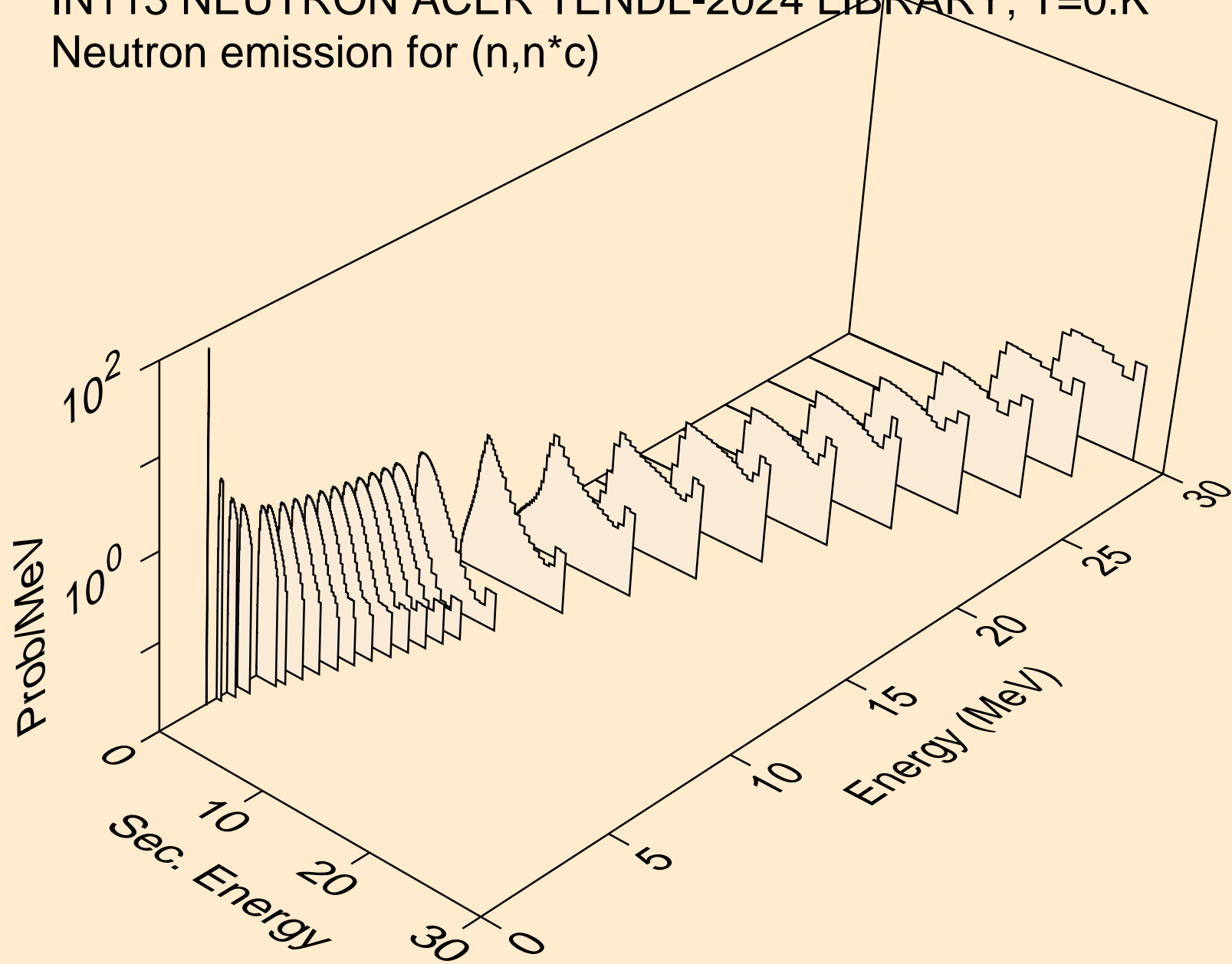
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



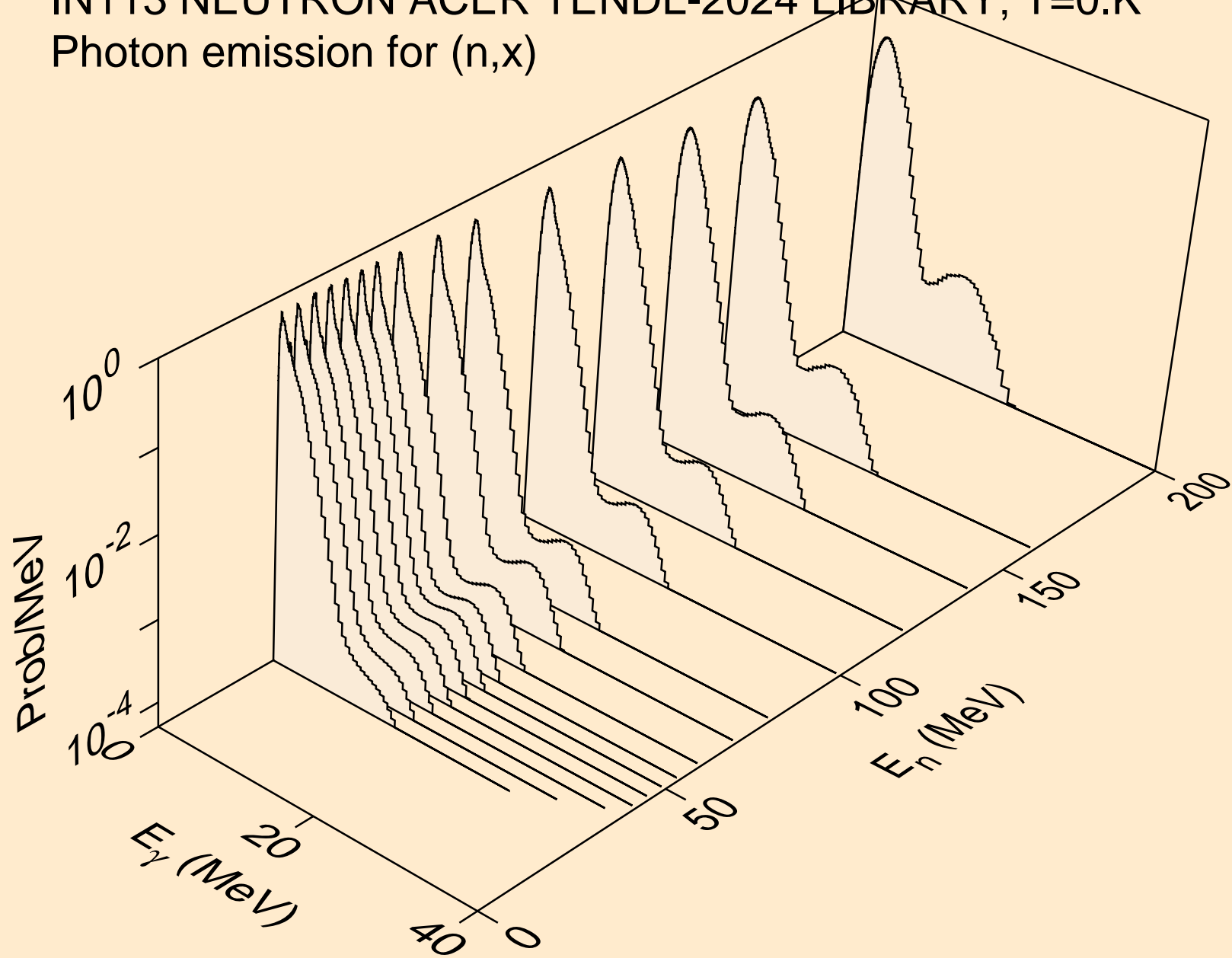
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)



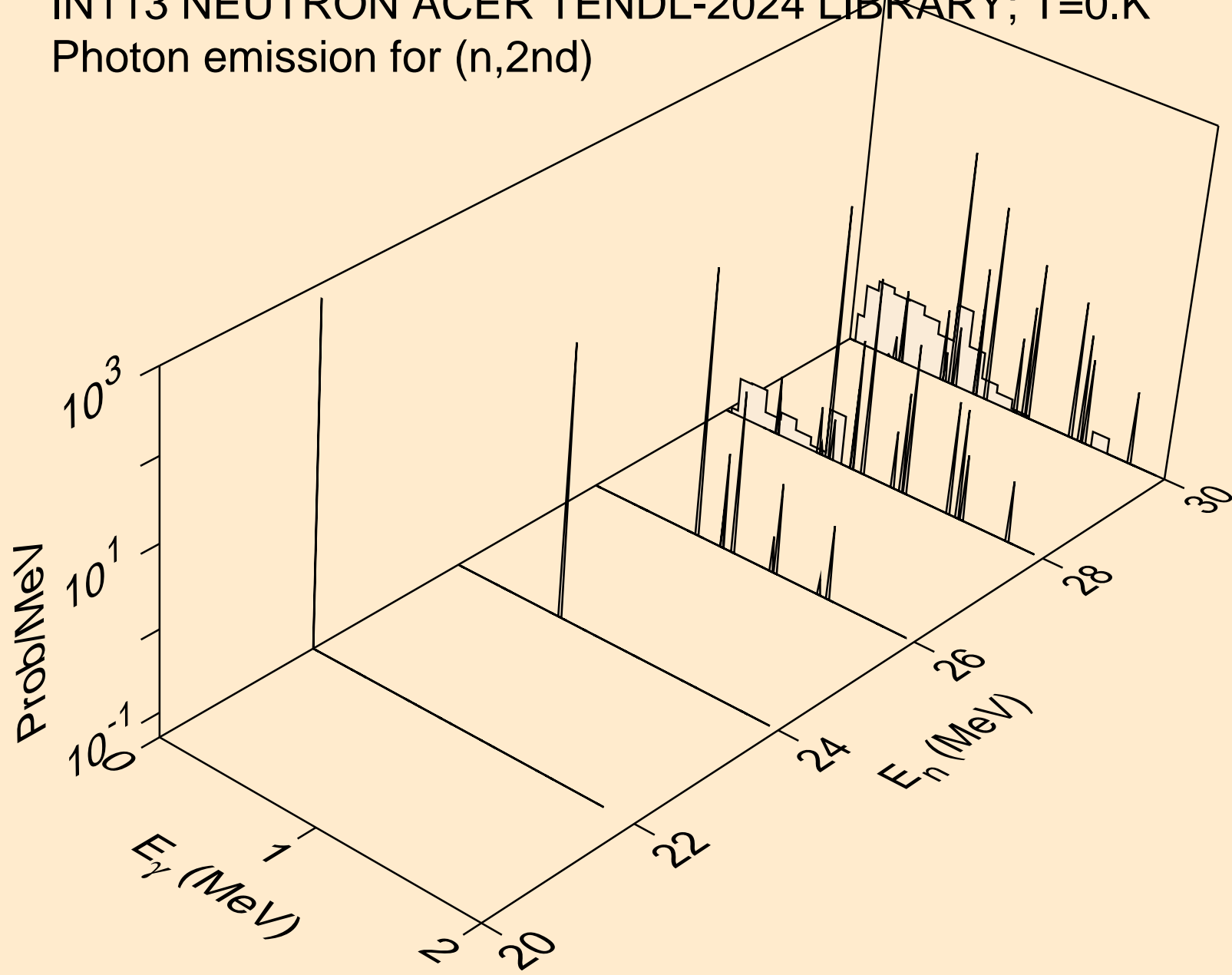
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Neutron emission for (n,n\*c)



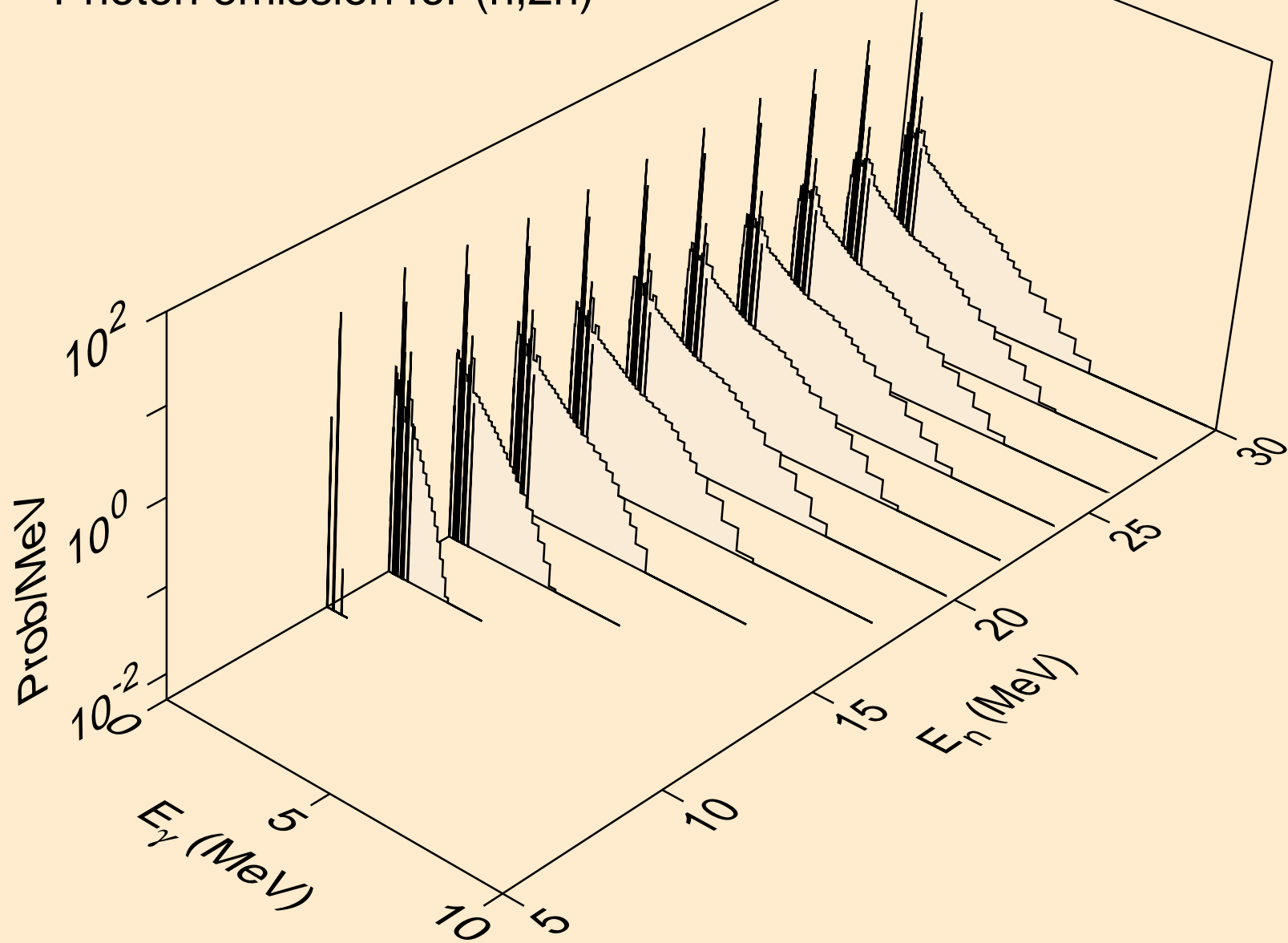
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



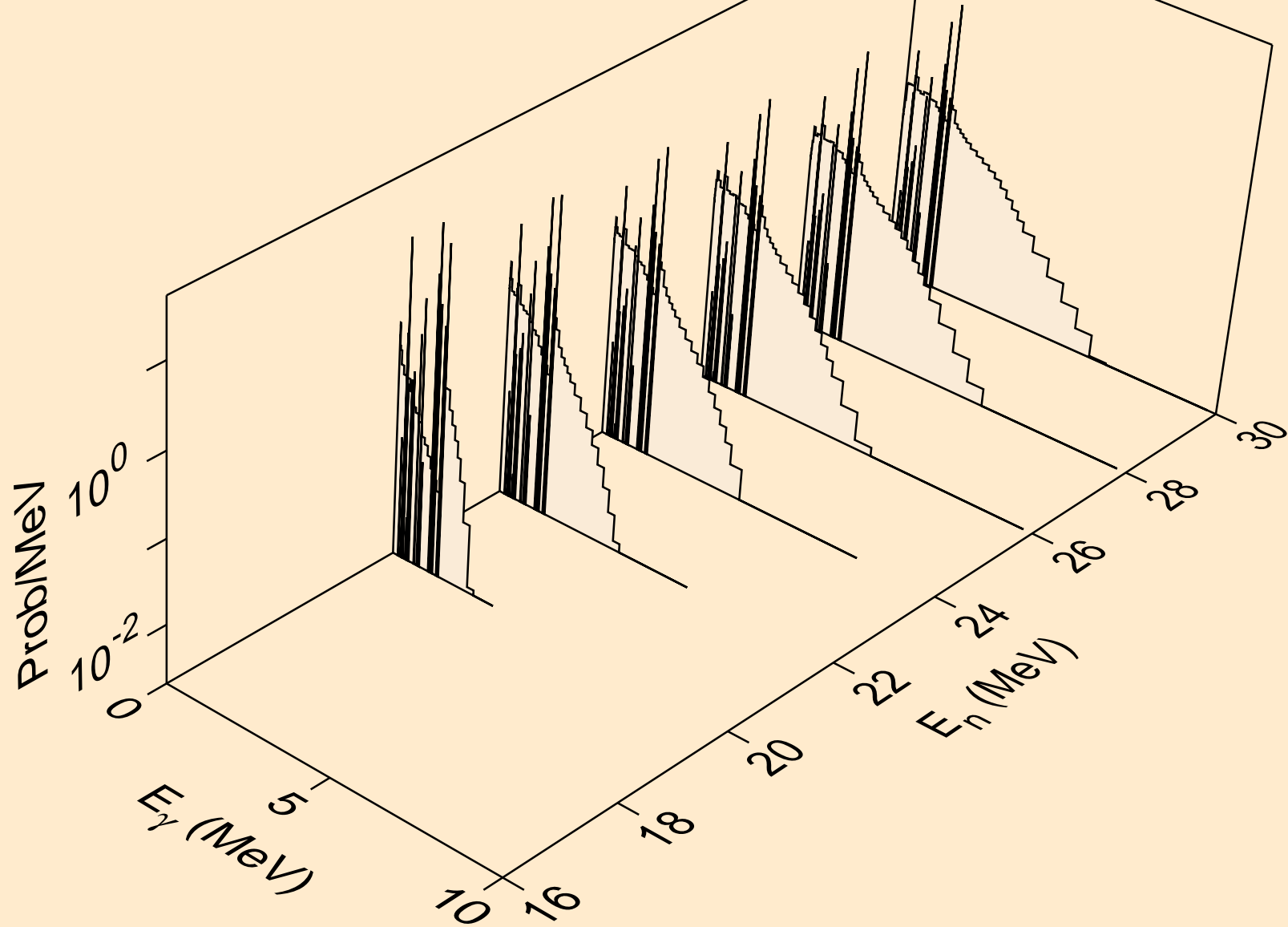
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Photon emission for (n,2nd)



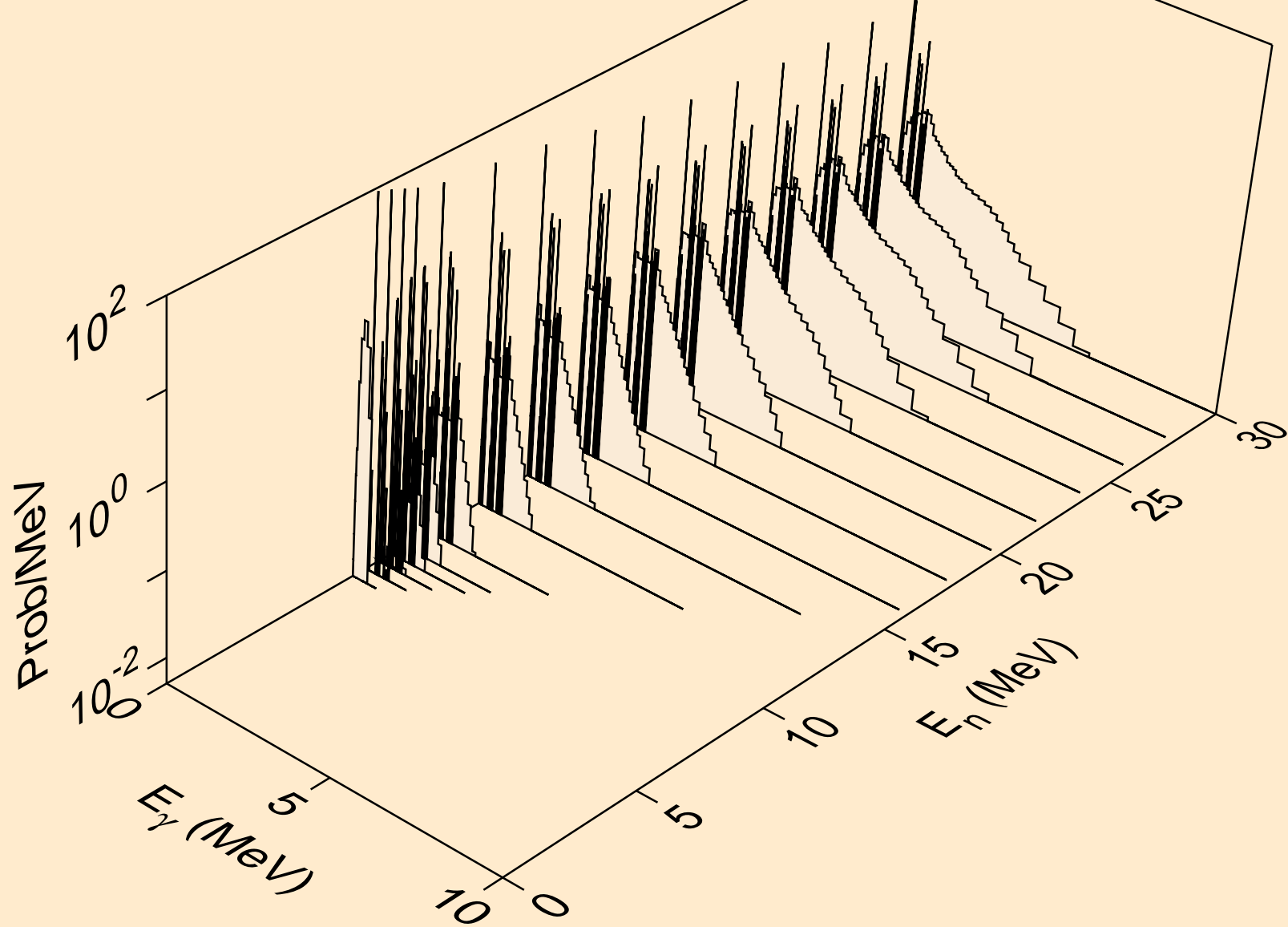
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)

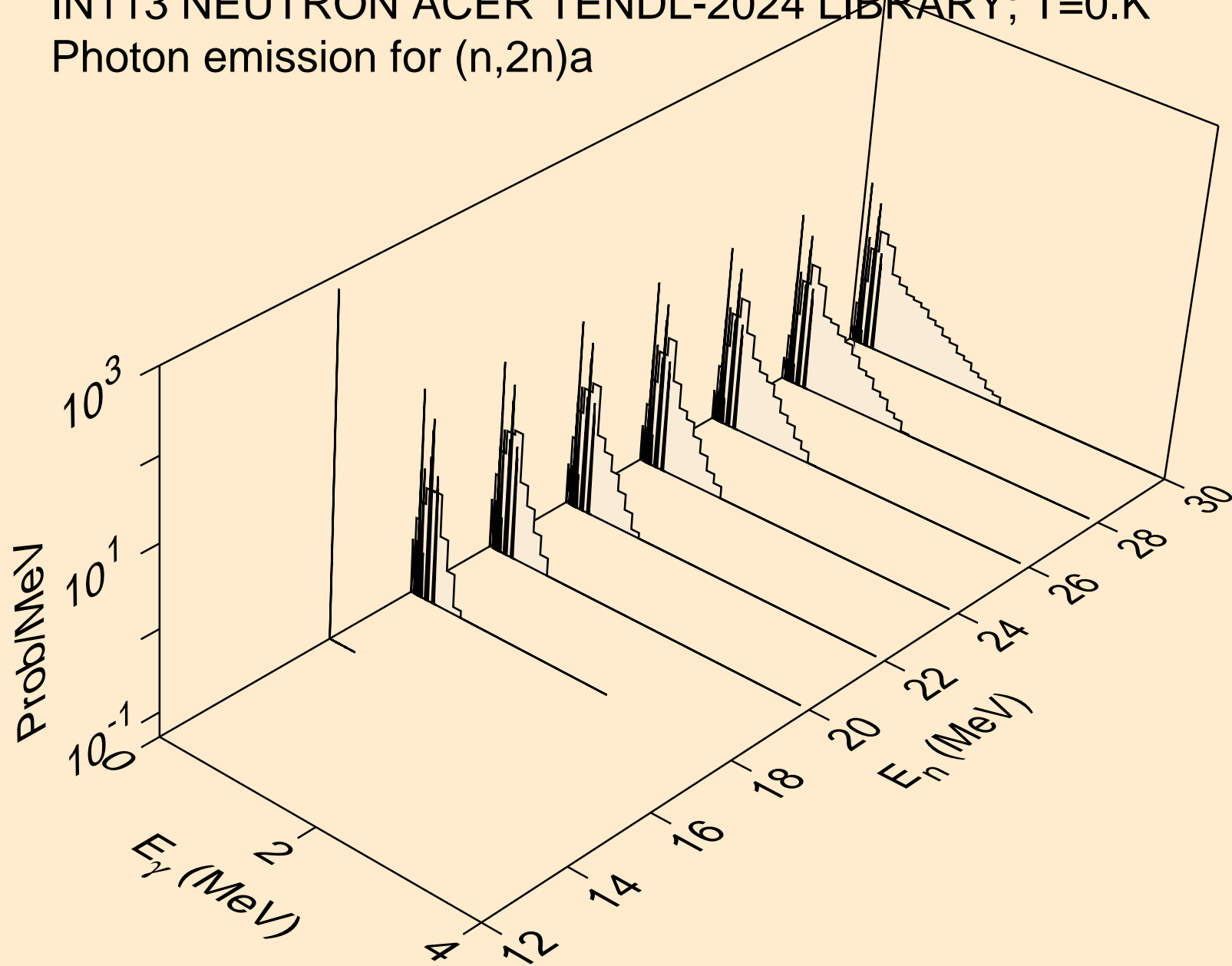


IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

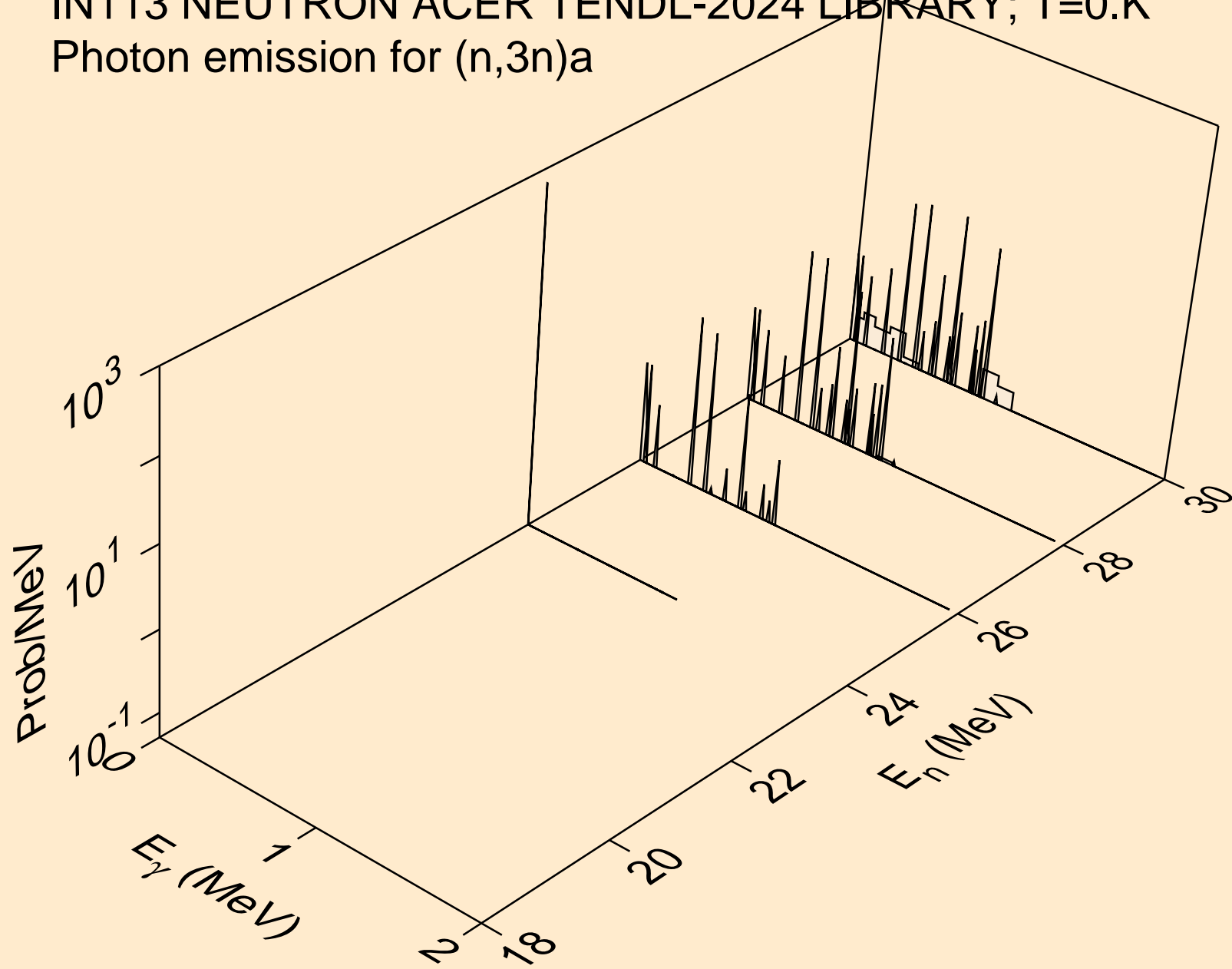




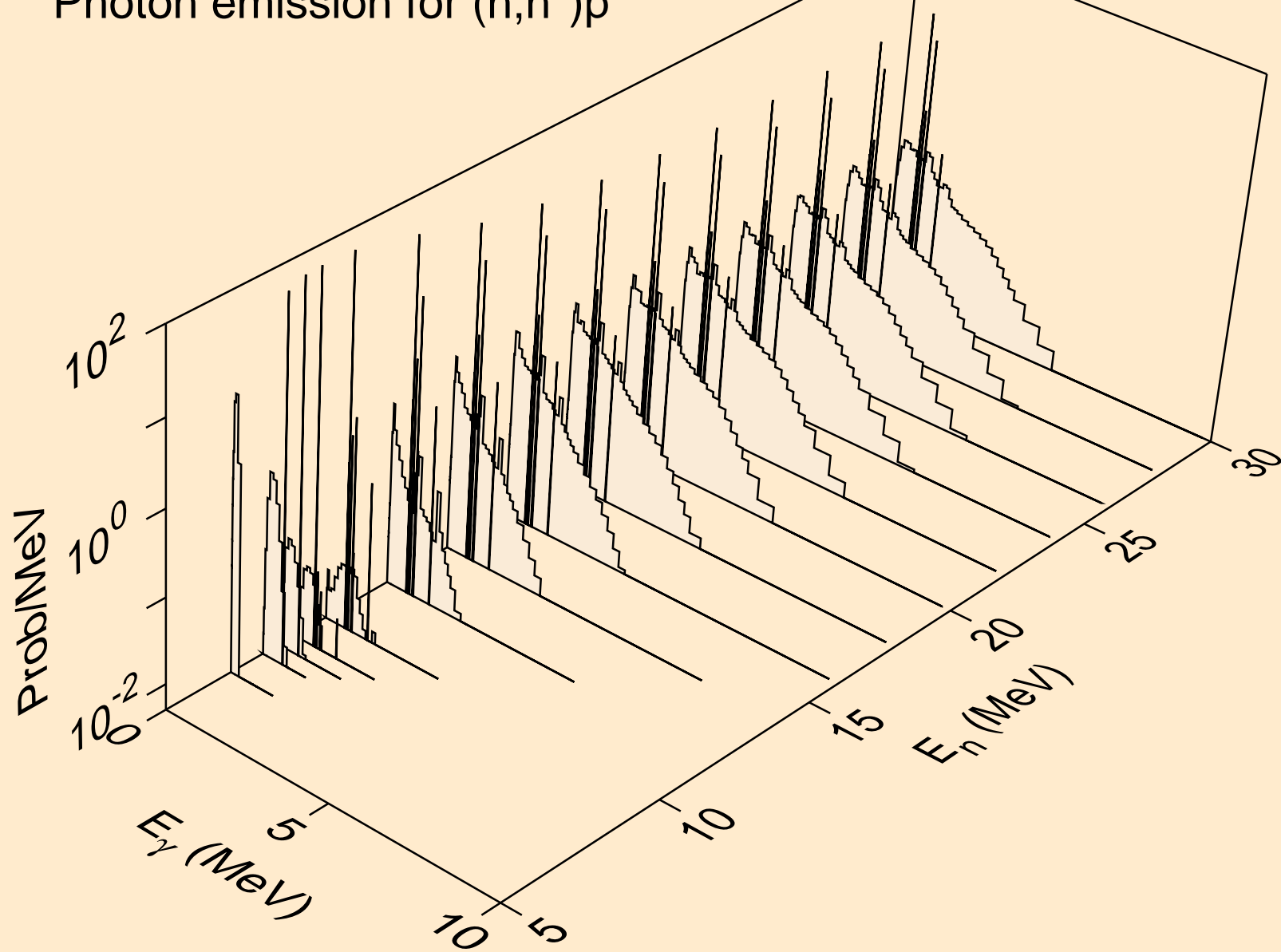
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Photon emission for (n,2n)a



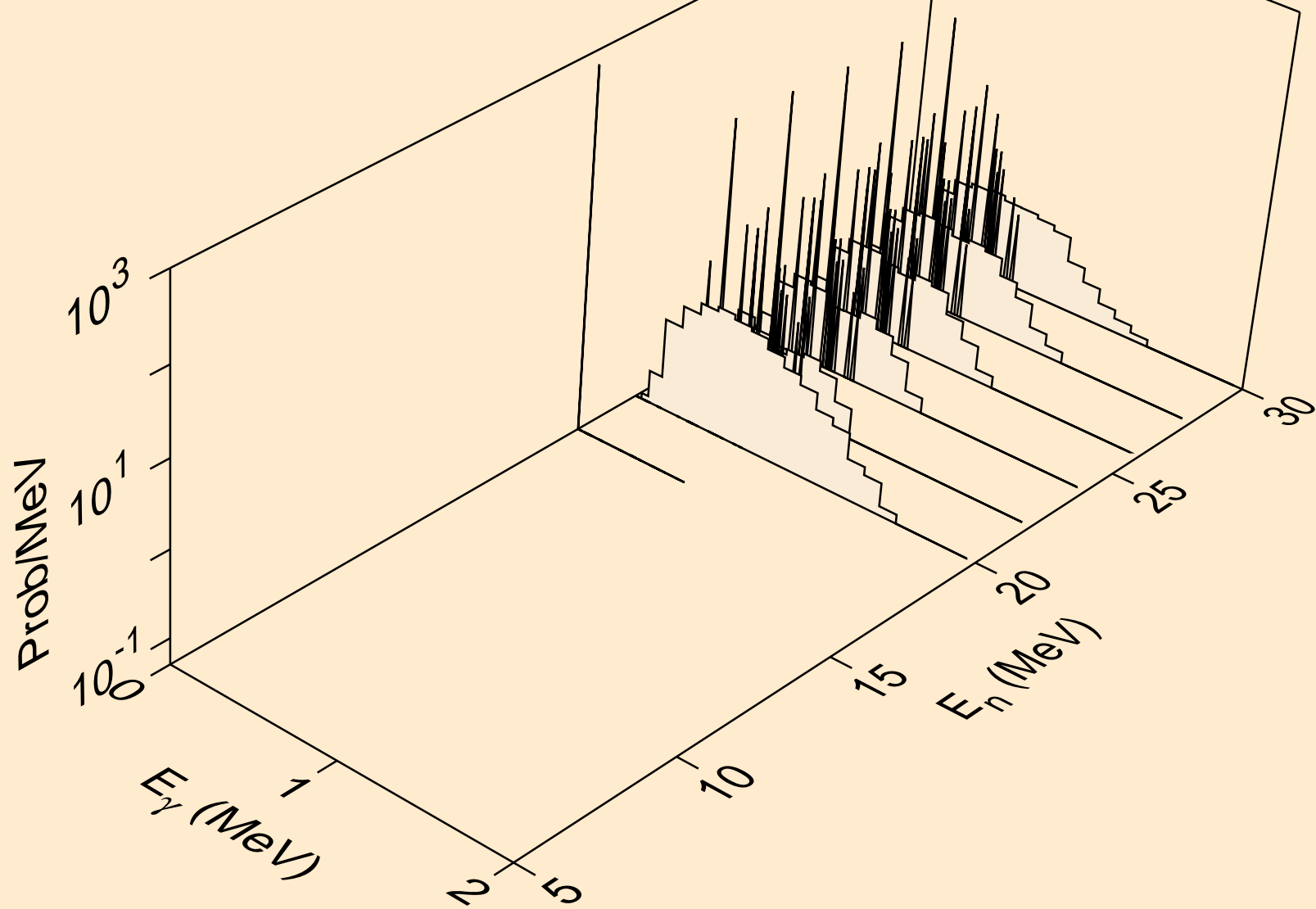
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Photon emission for (n,3n)a



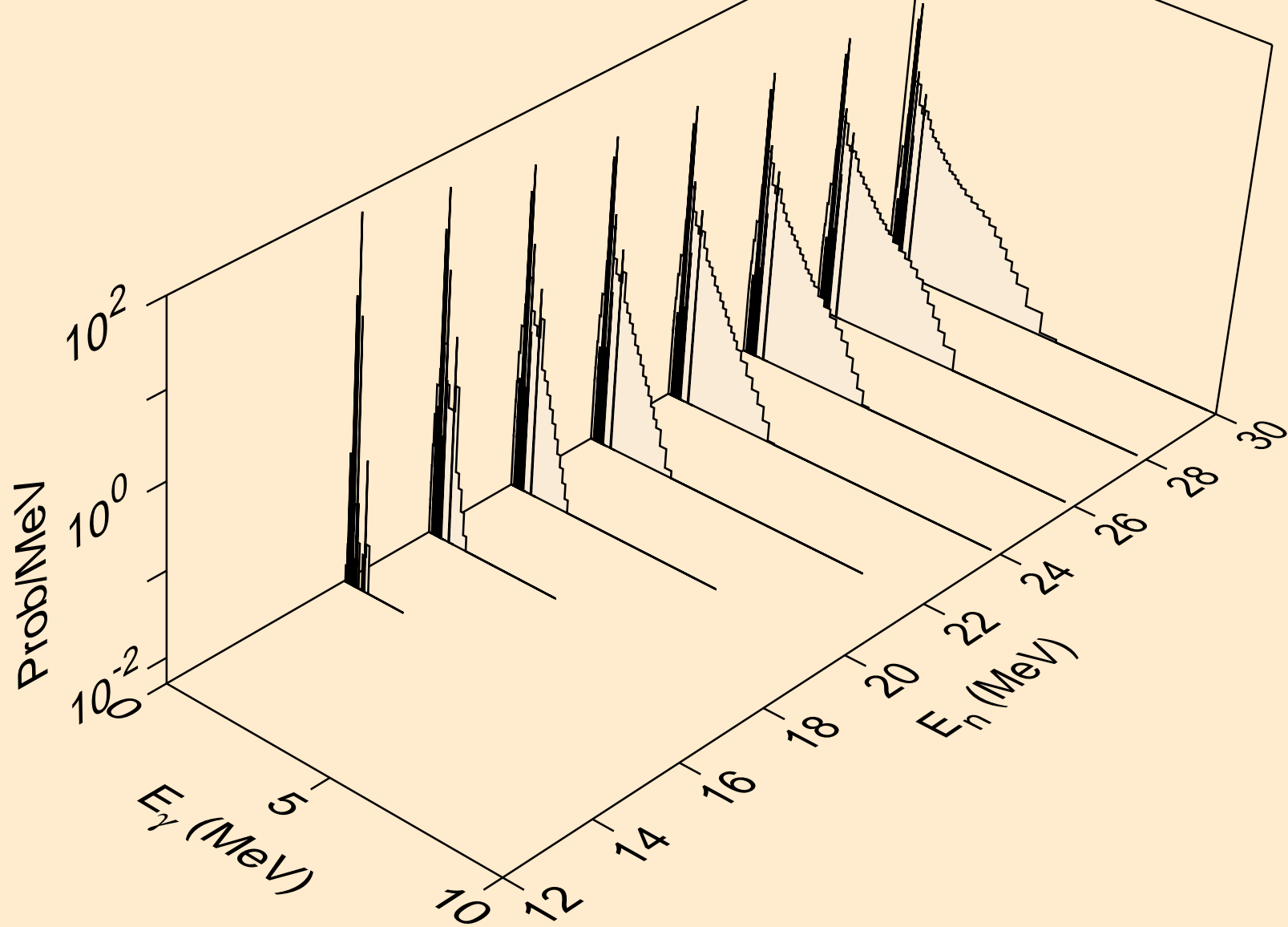
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Photon emission for (n,n\*)p



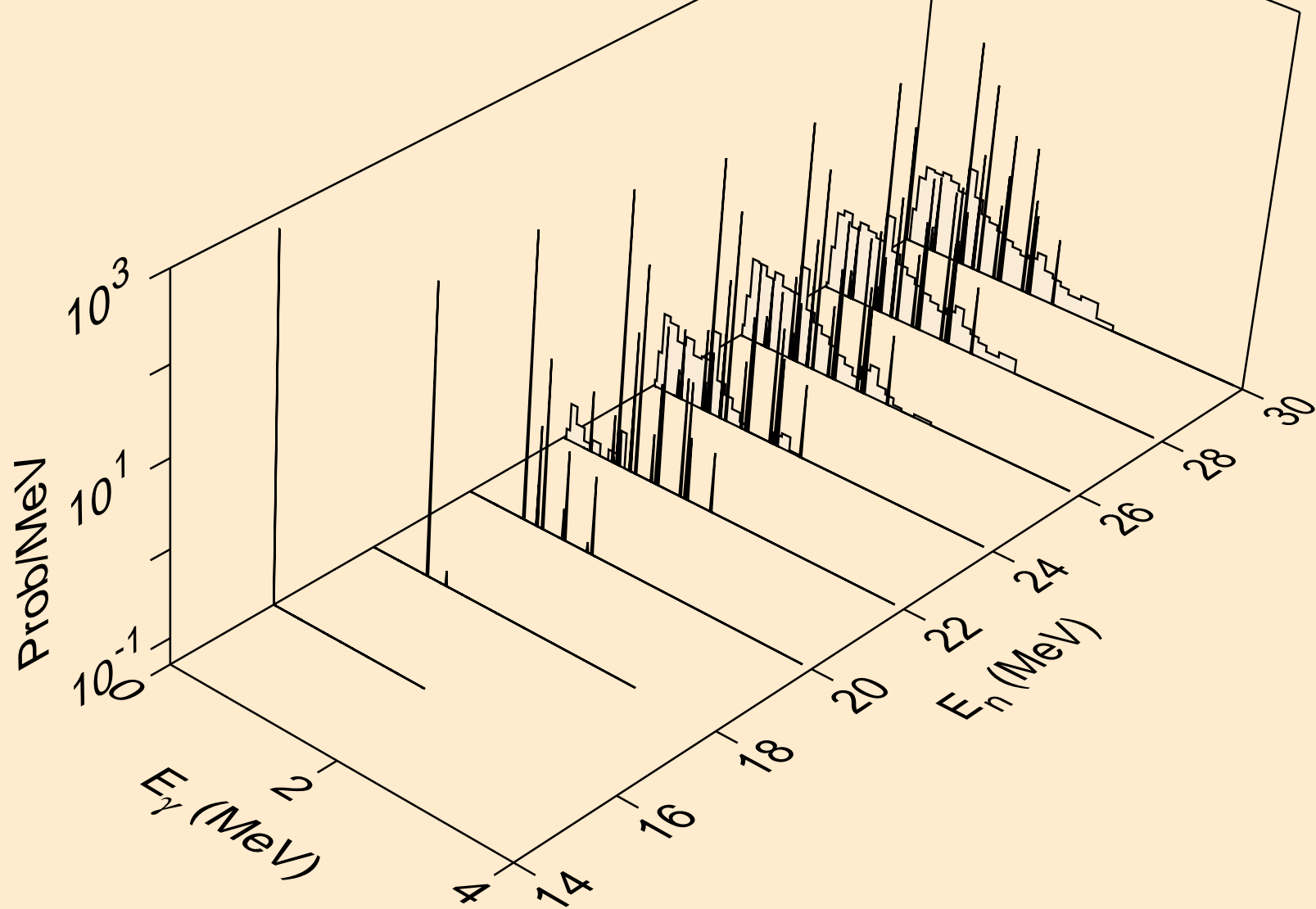
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Photon emission for (n,n\*)2a



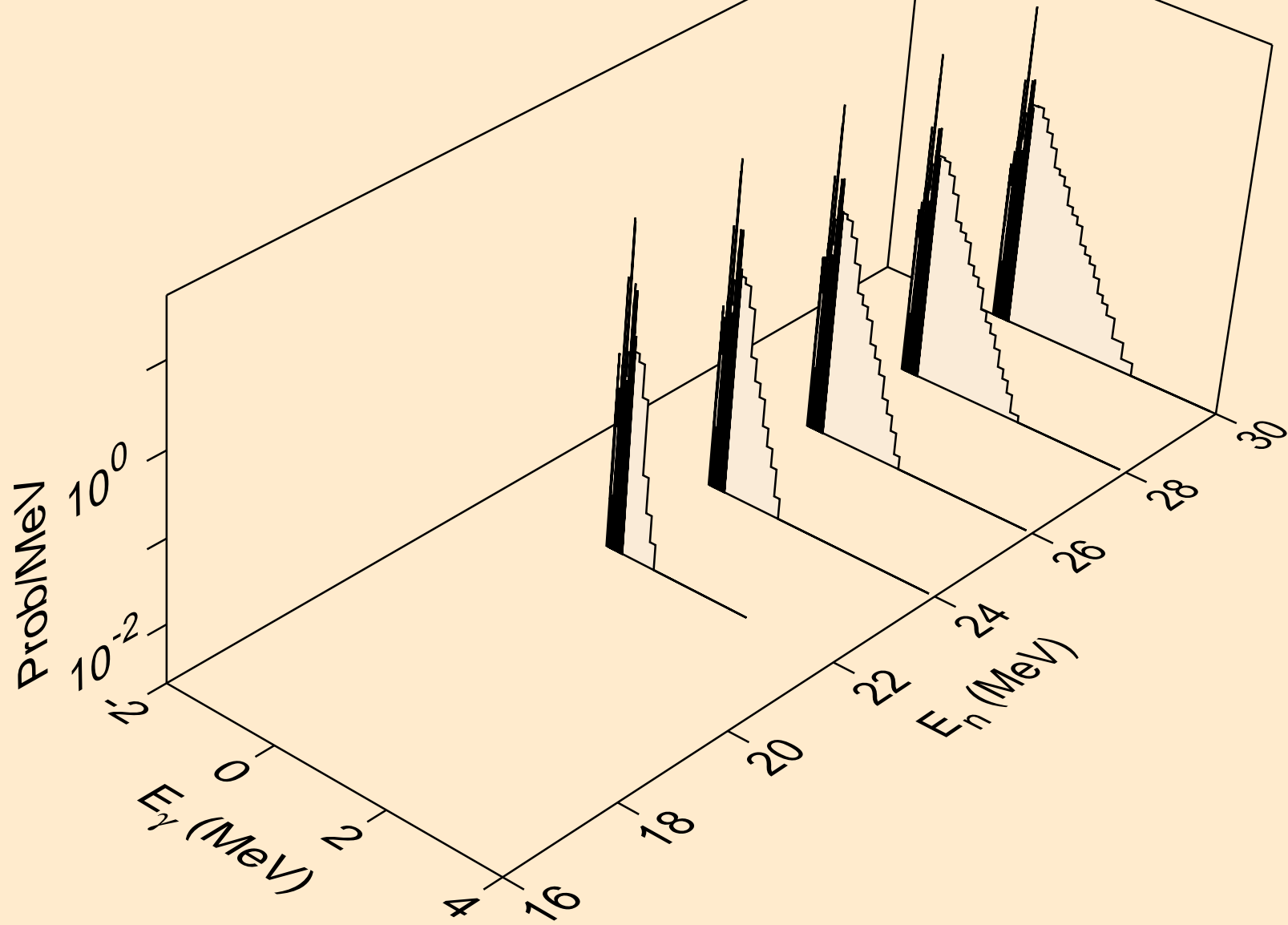
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Photon emission for (n,n\*)d



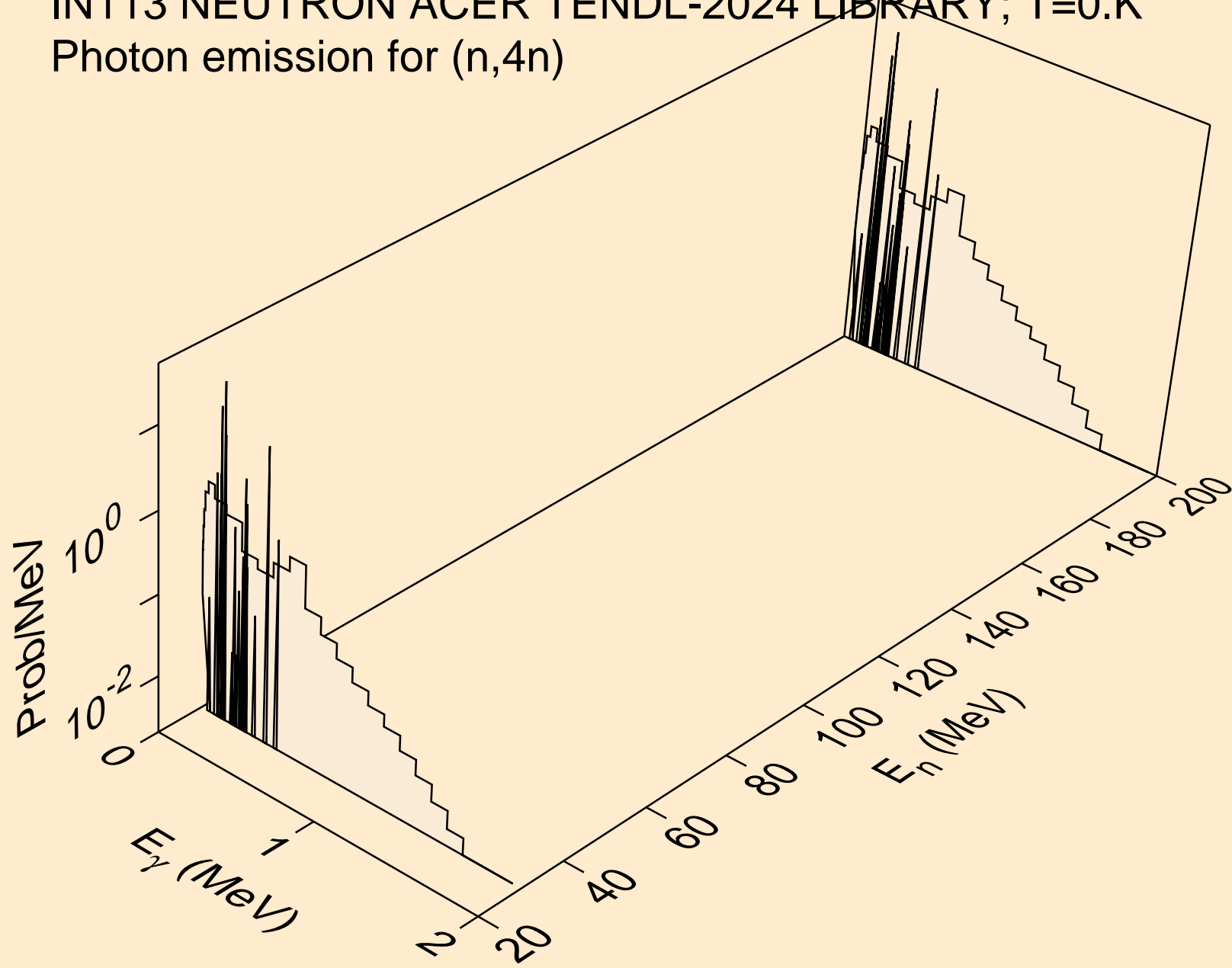
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

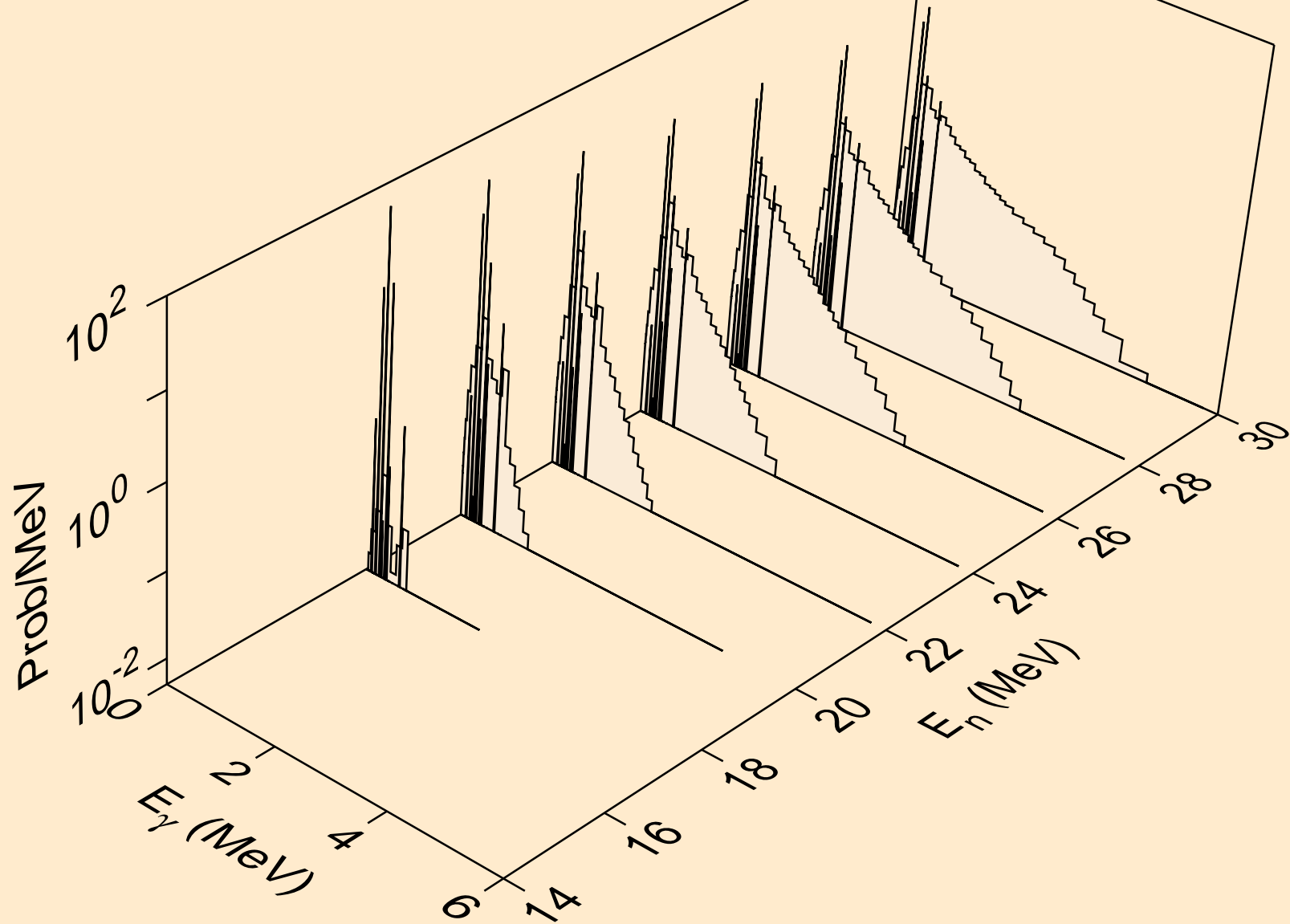


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Photon emission for (n,4n)

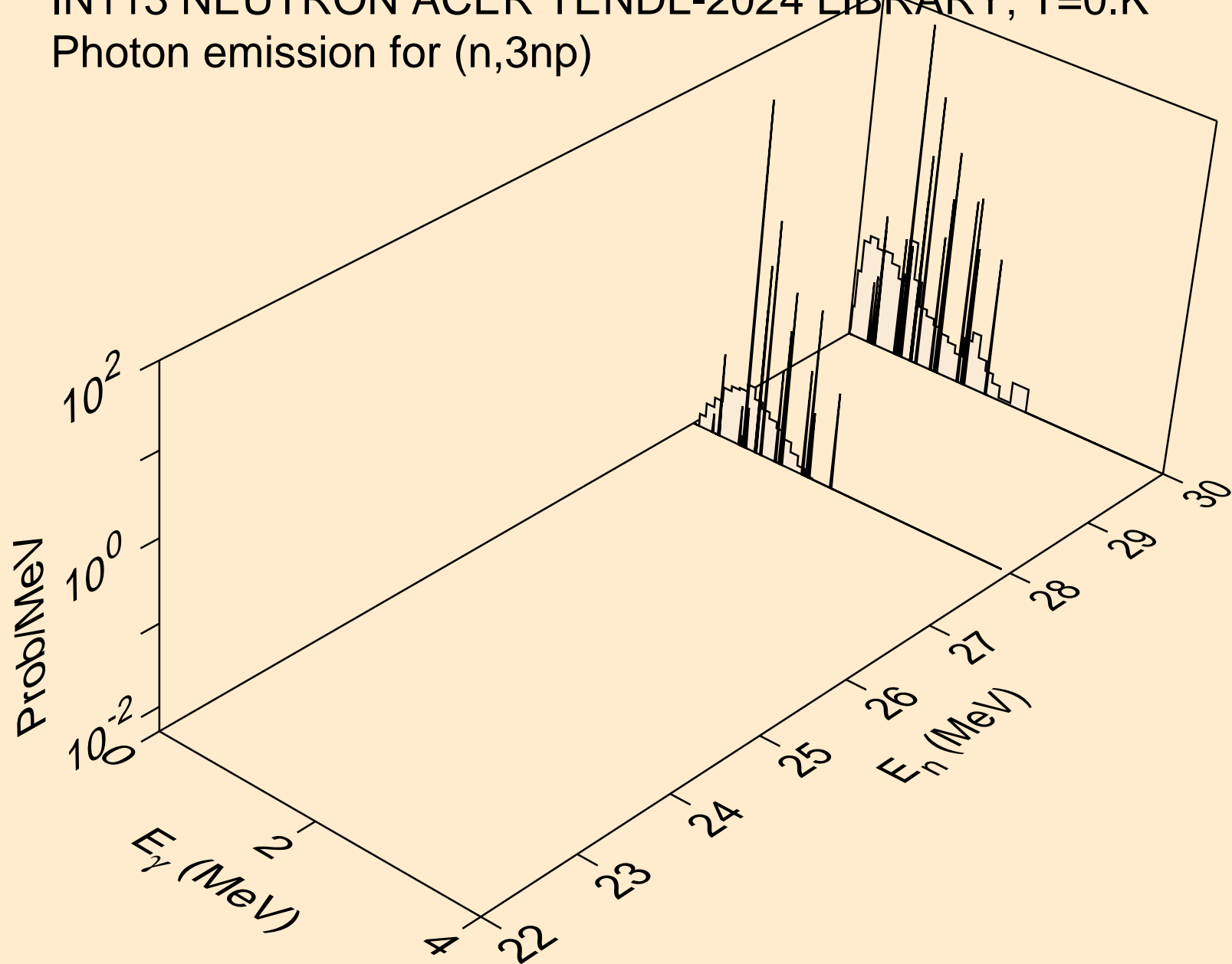




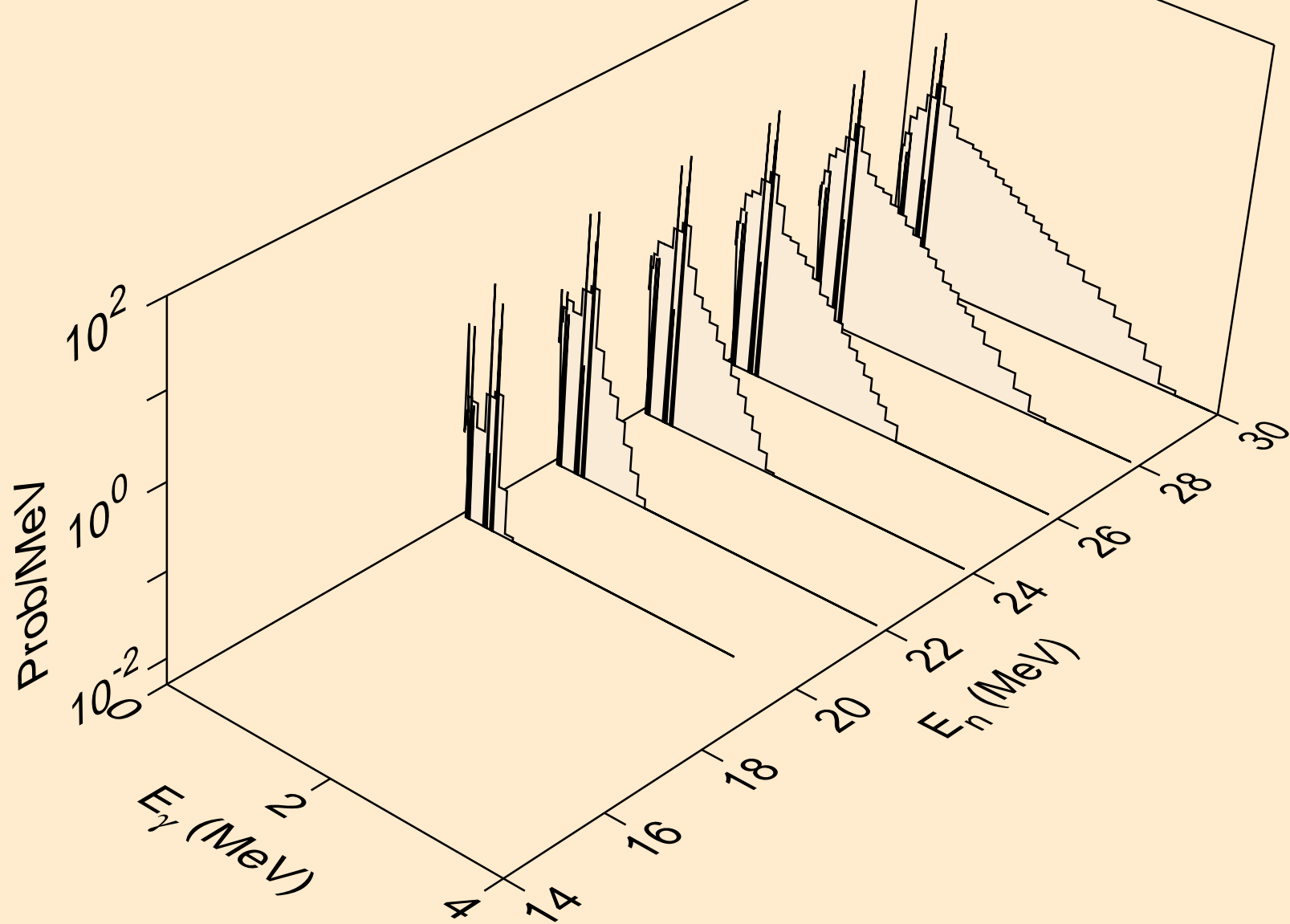
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Photon emission for (n,2np)



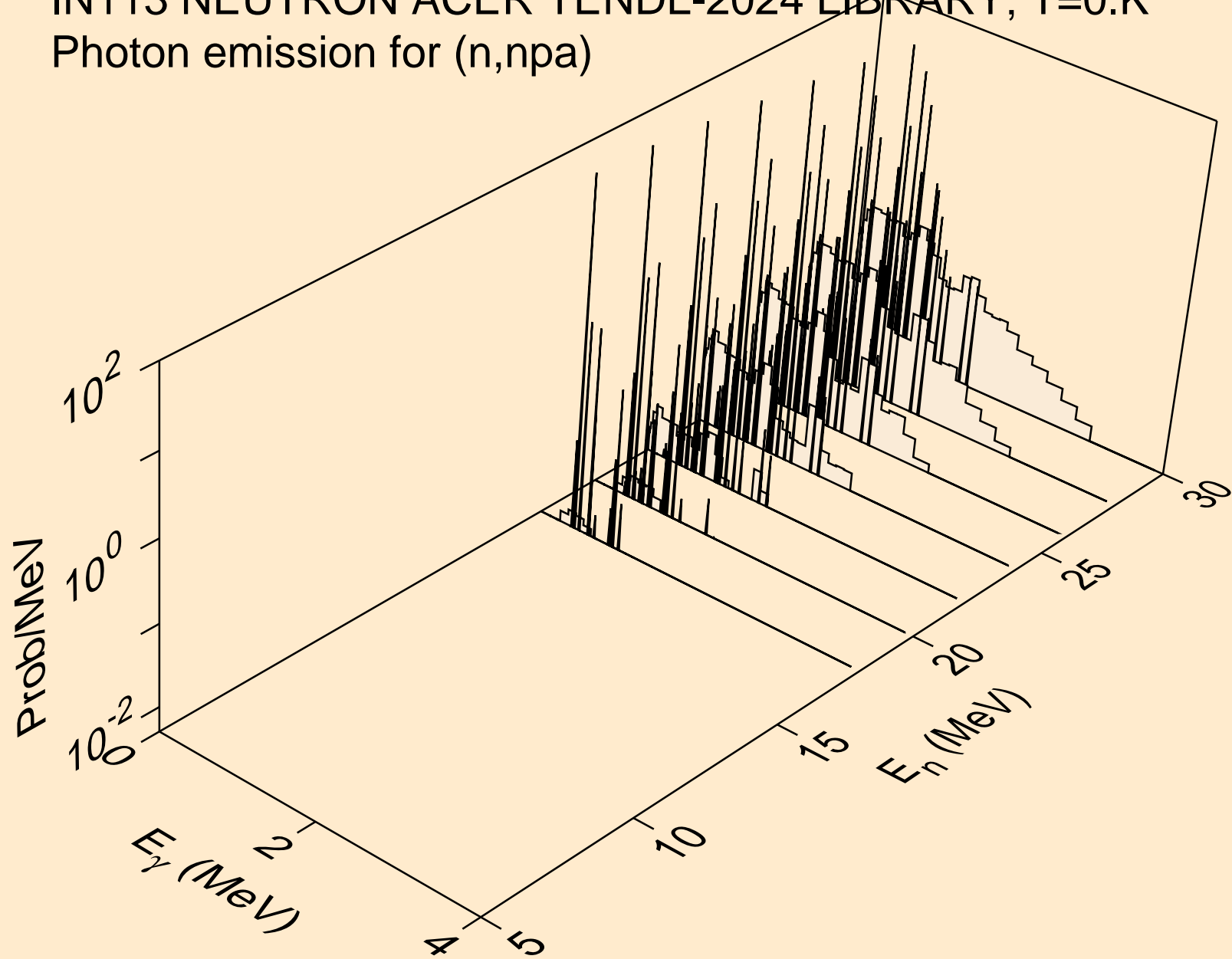
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Photon emission for (n,3np)



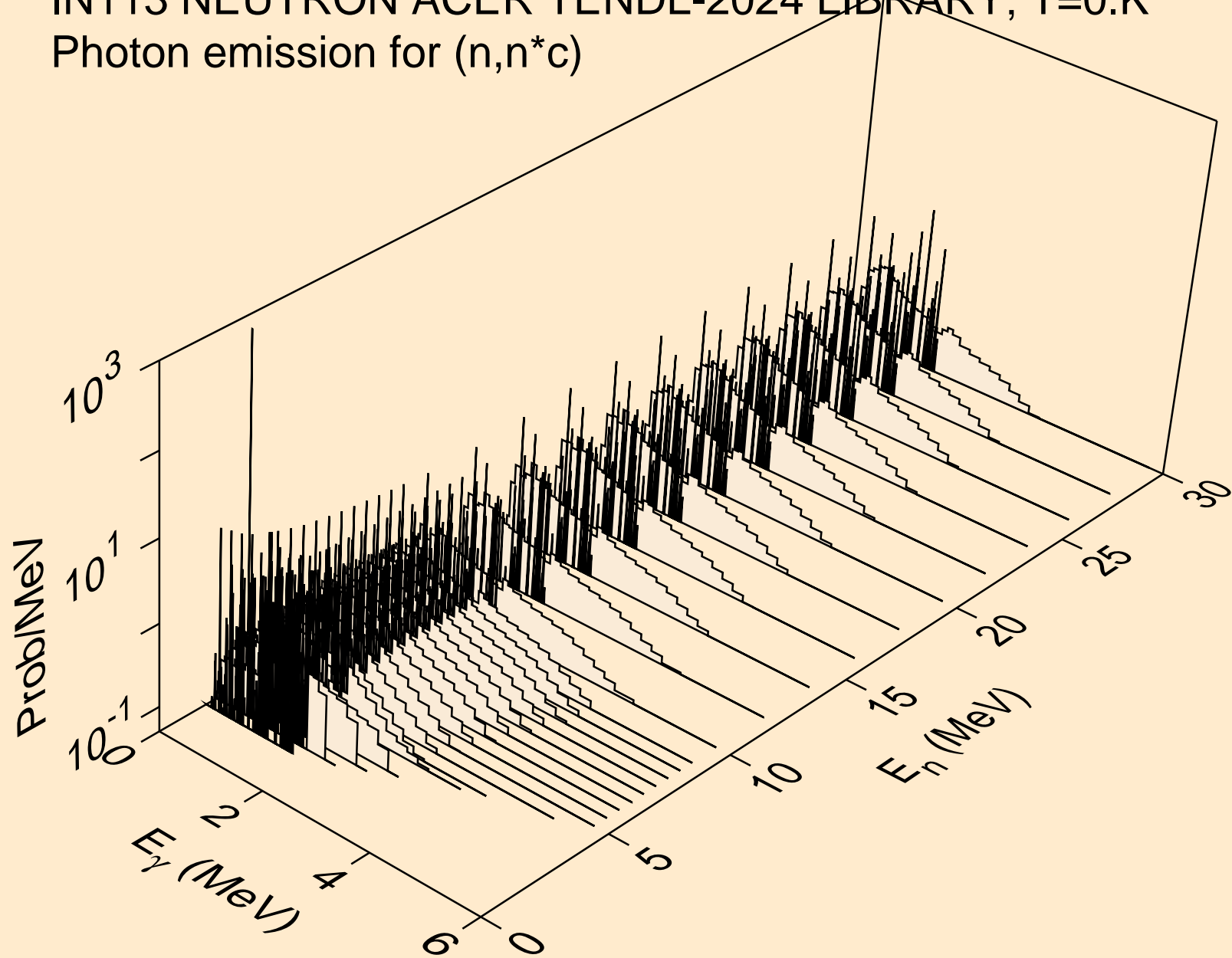
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Photon emission for (n,n2p)



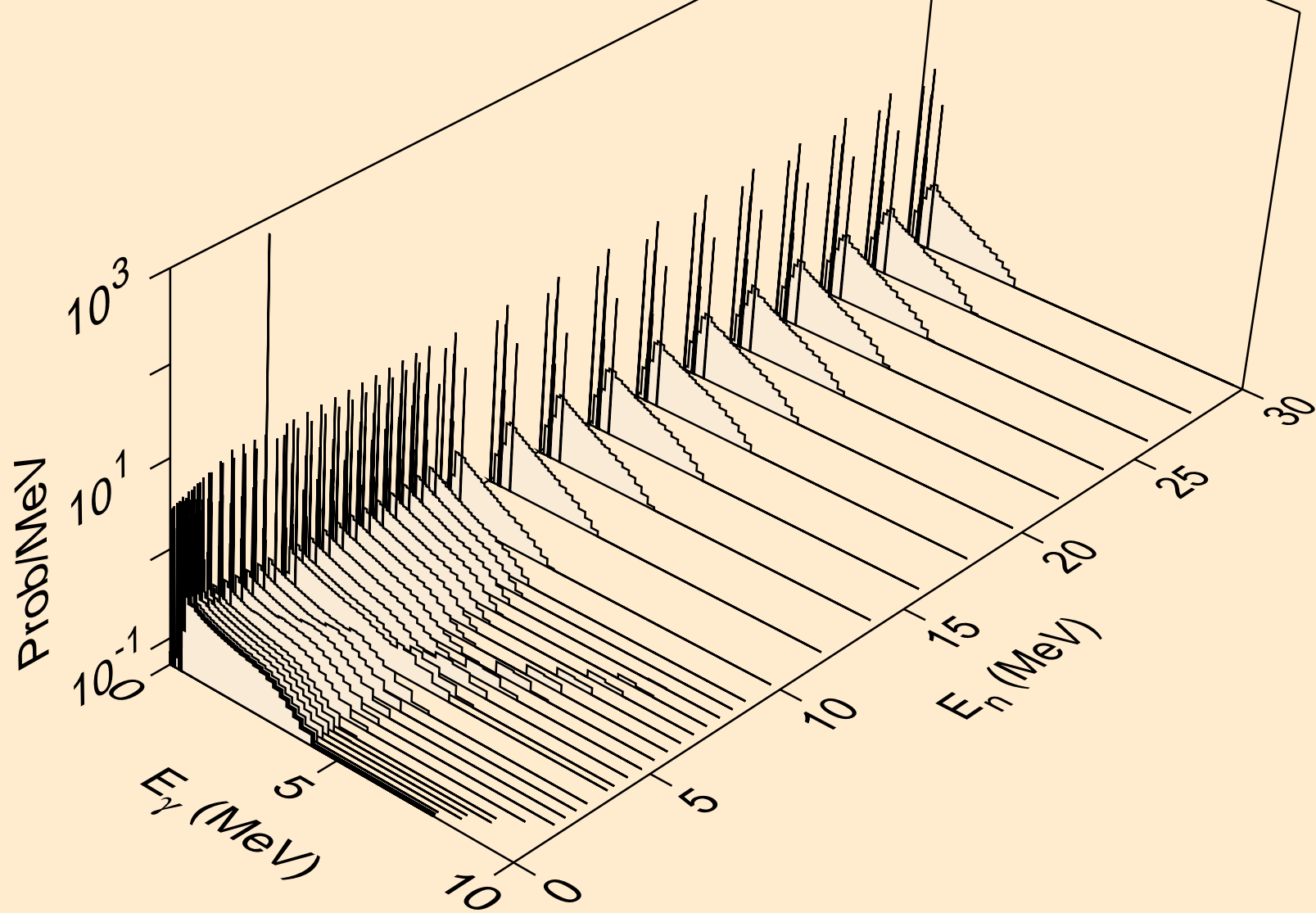
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Photon emission for (n,npa)



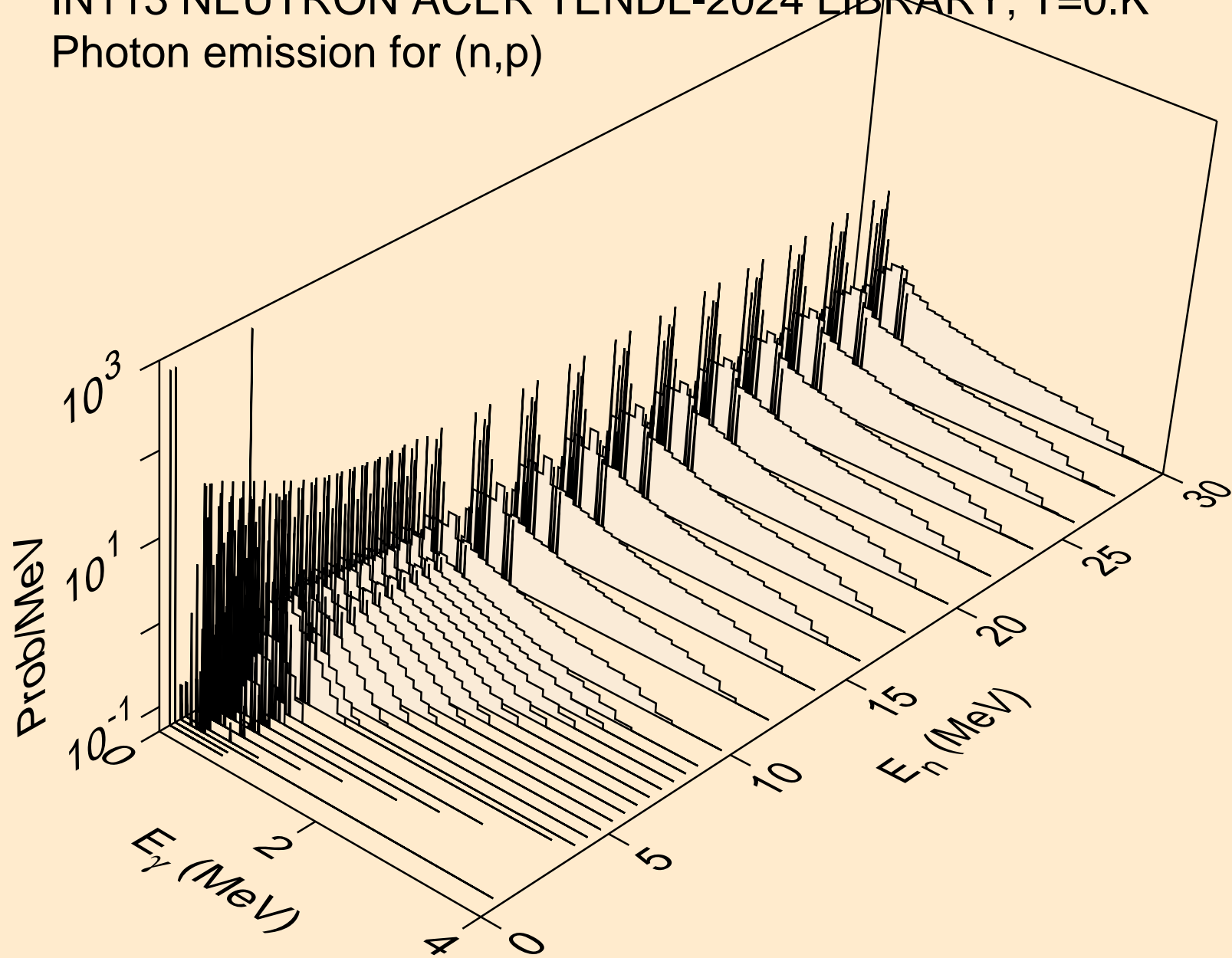
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Photon emission for (n,n\*c)



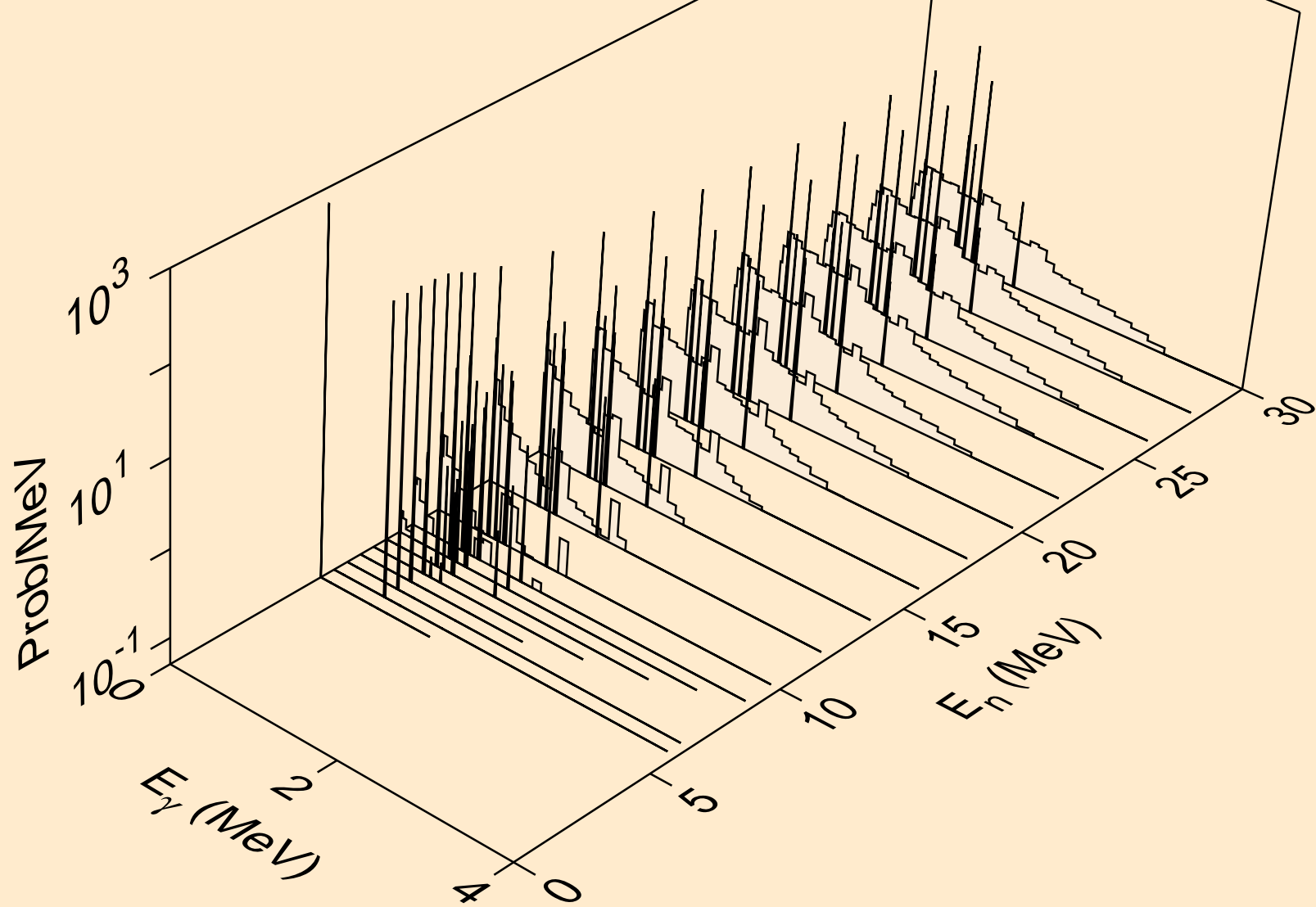
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Photon emission for (n,gma)



IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)

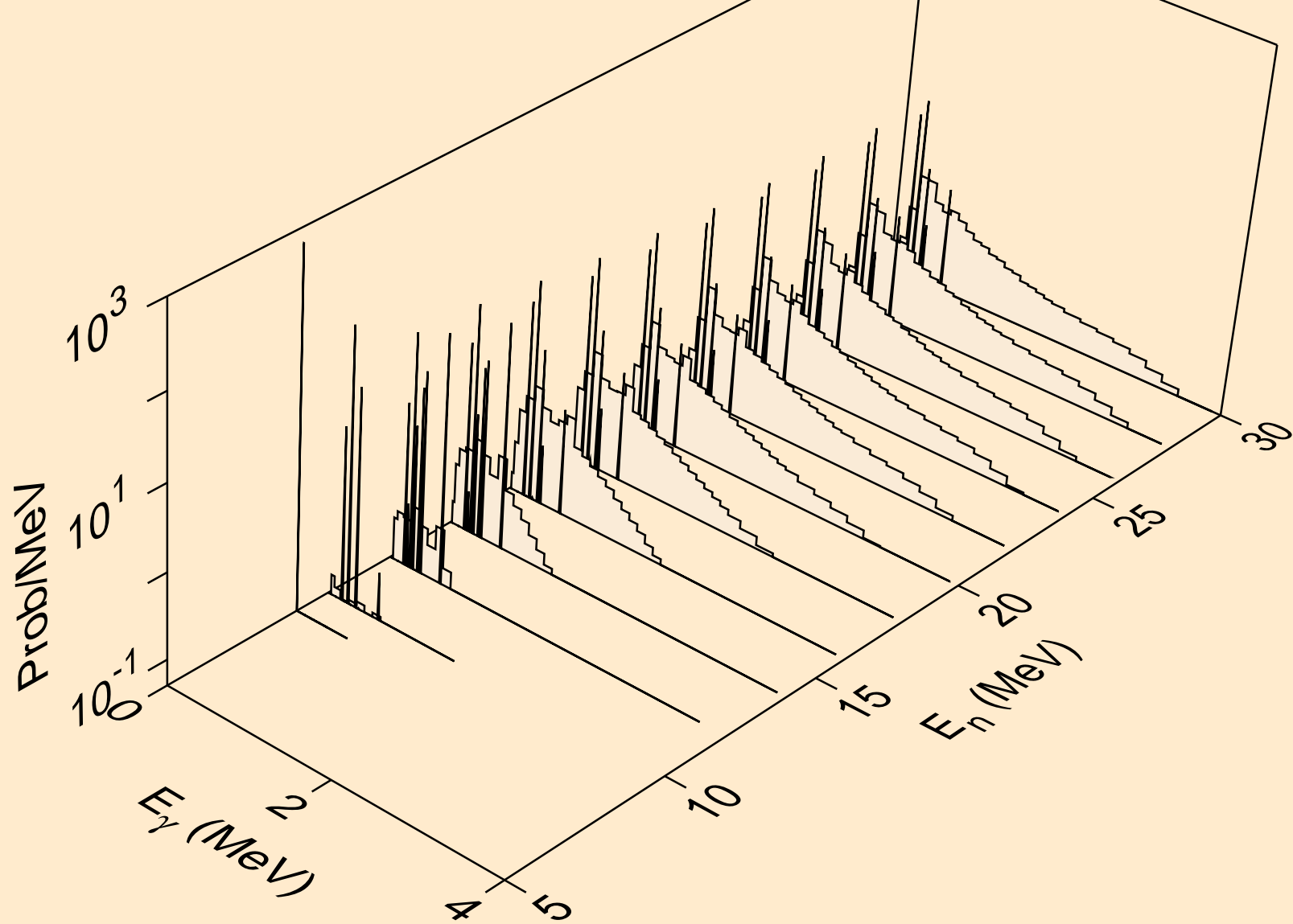


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Photon emission for (n,d)

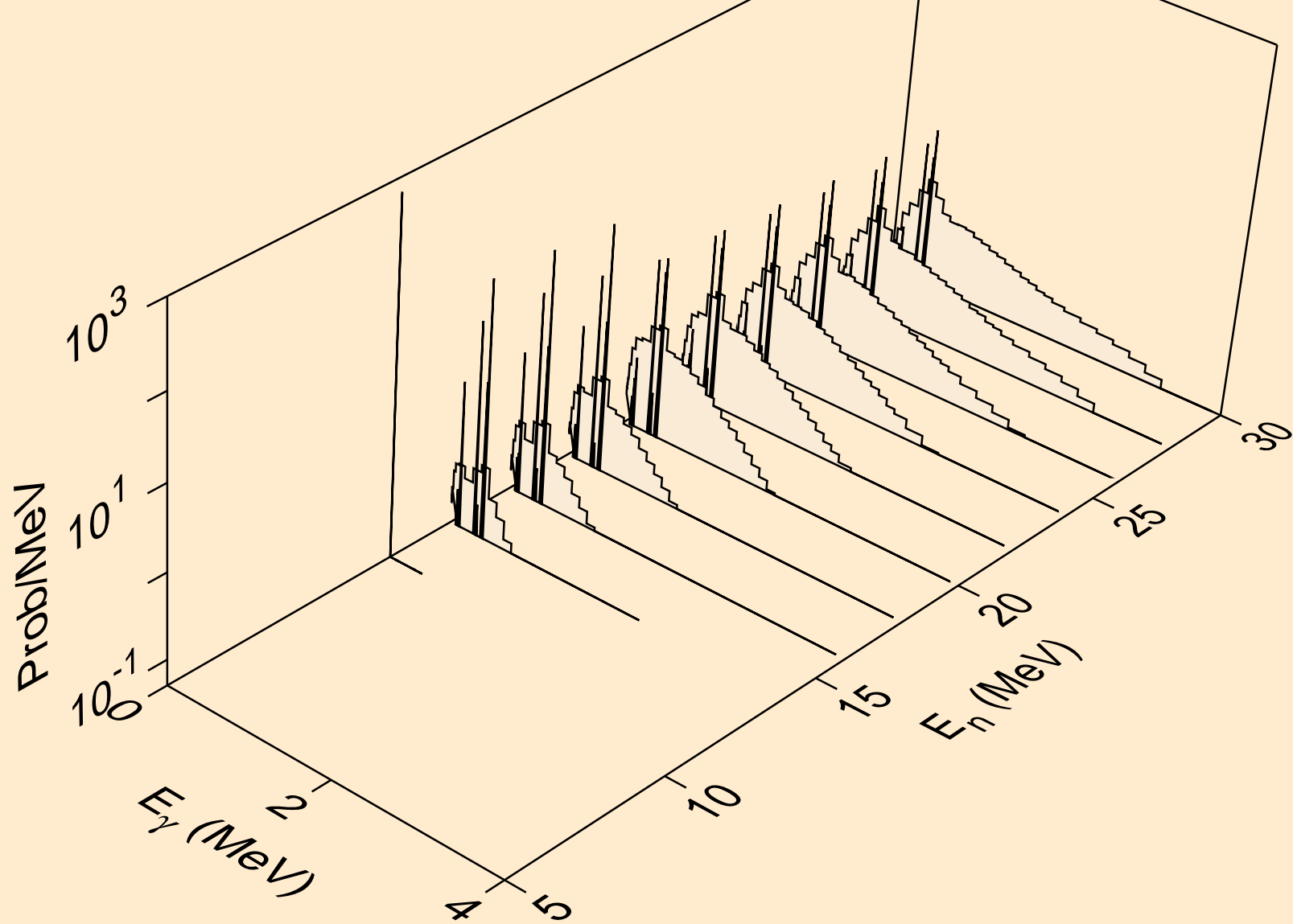




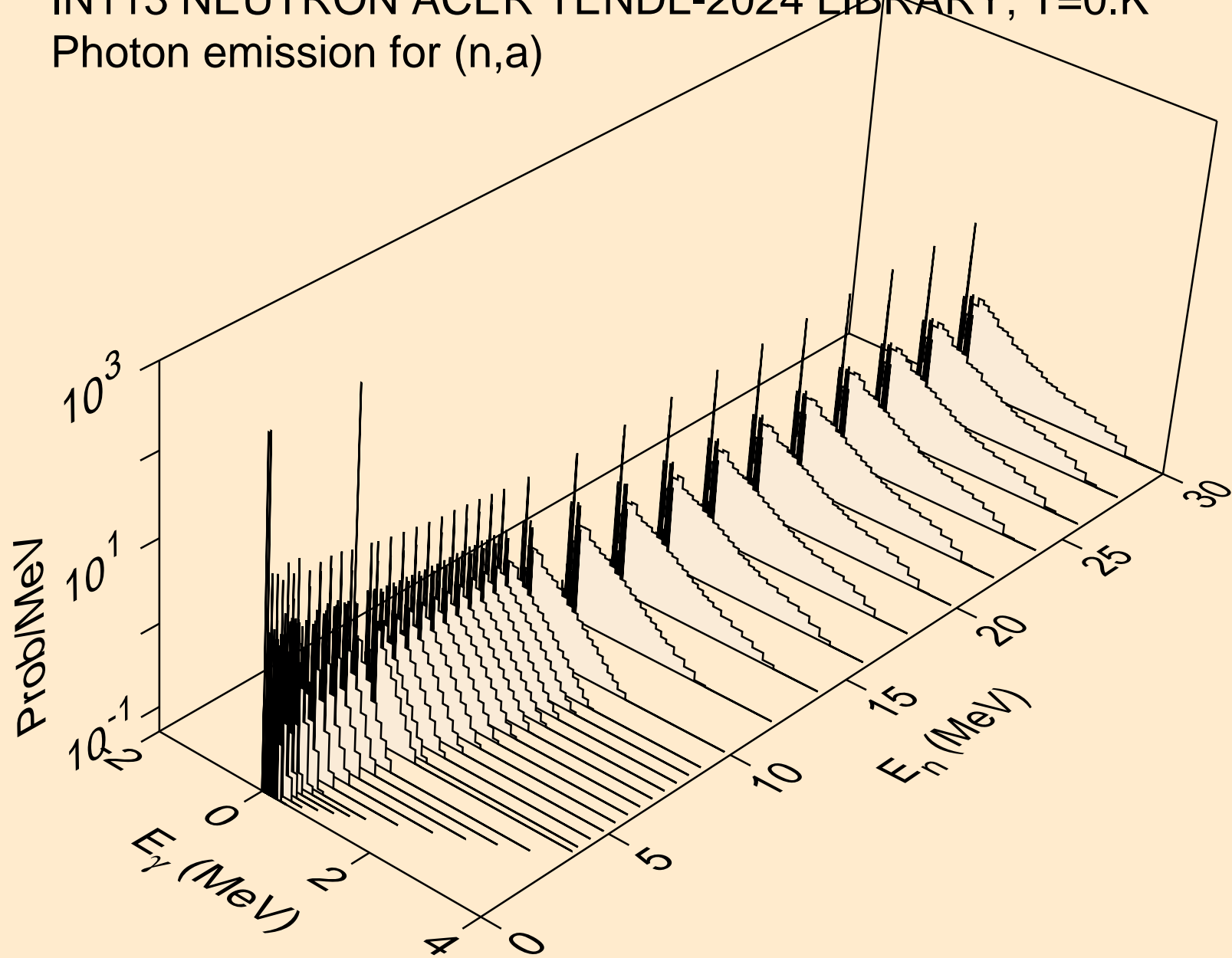
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Photon emission for (n,t)



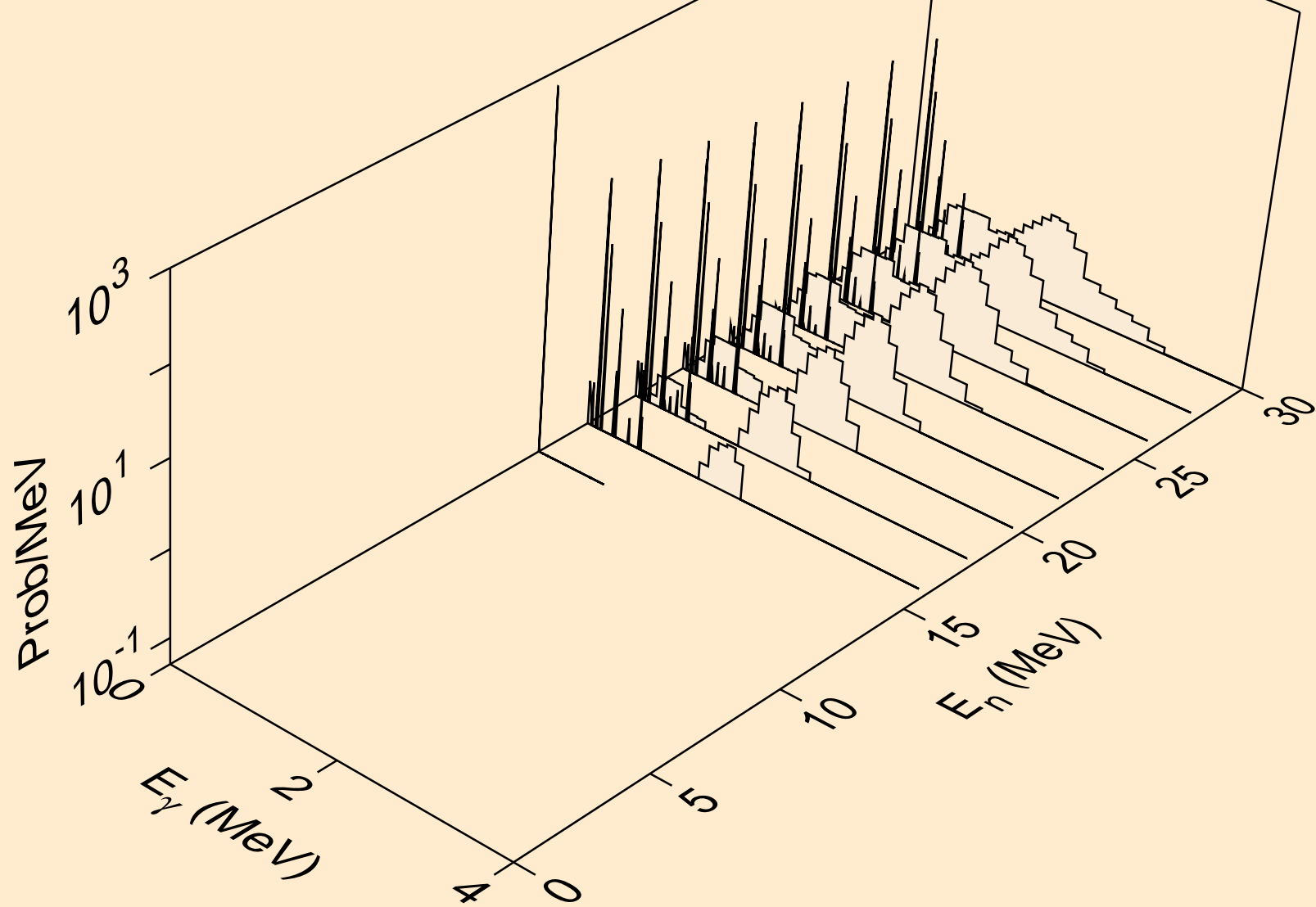
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Photon emission for (n,he3)



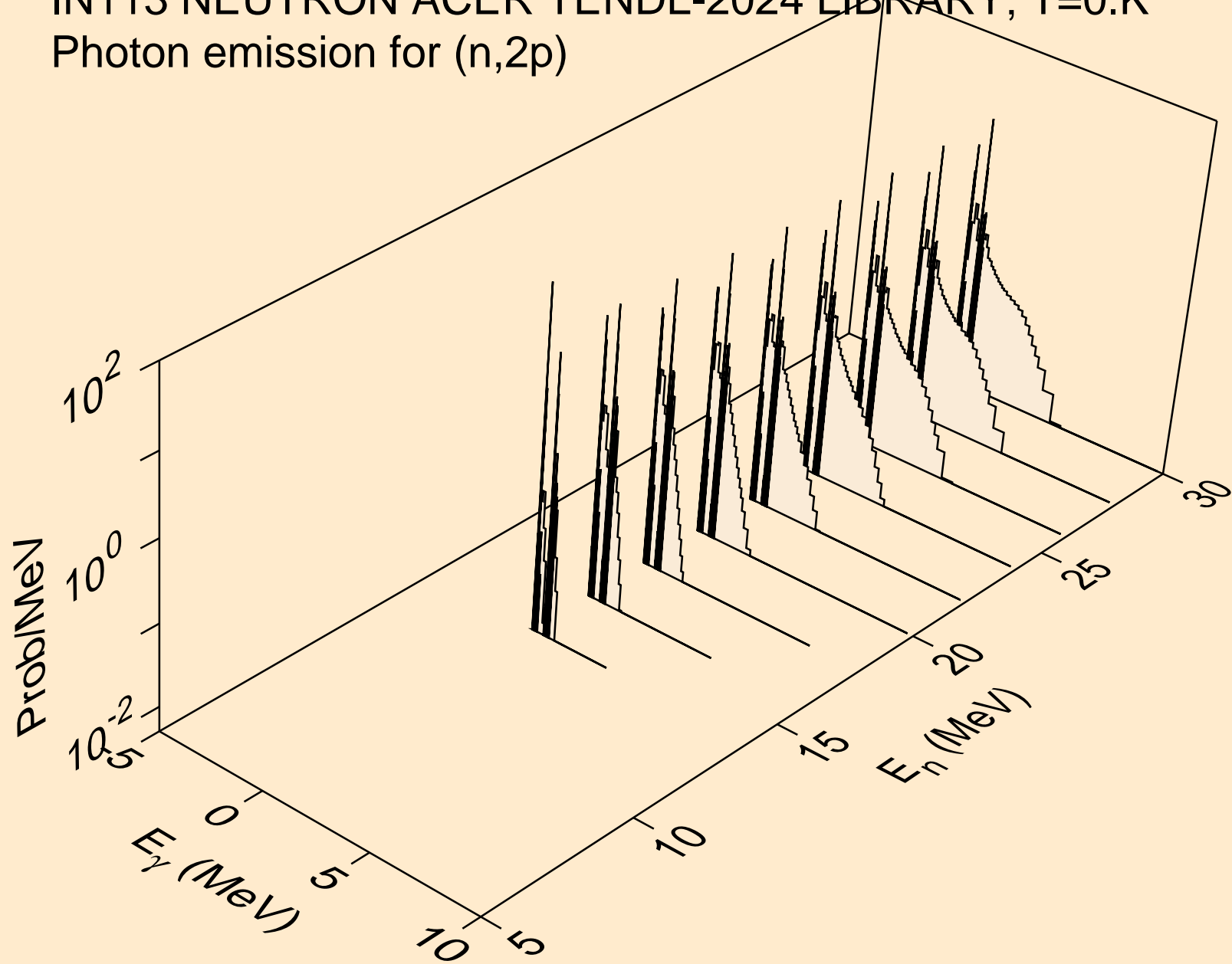
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Photon emission for (n,a)



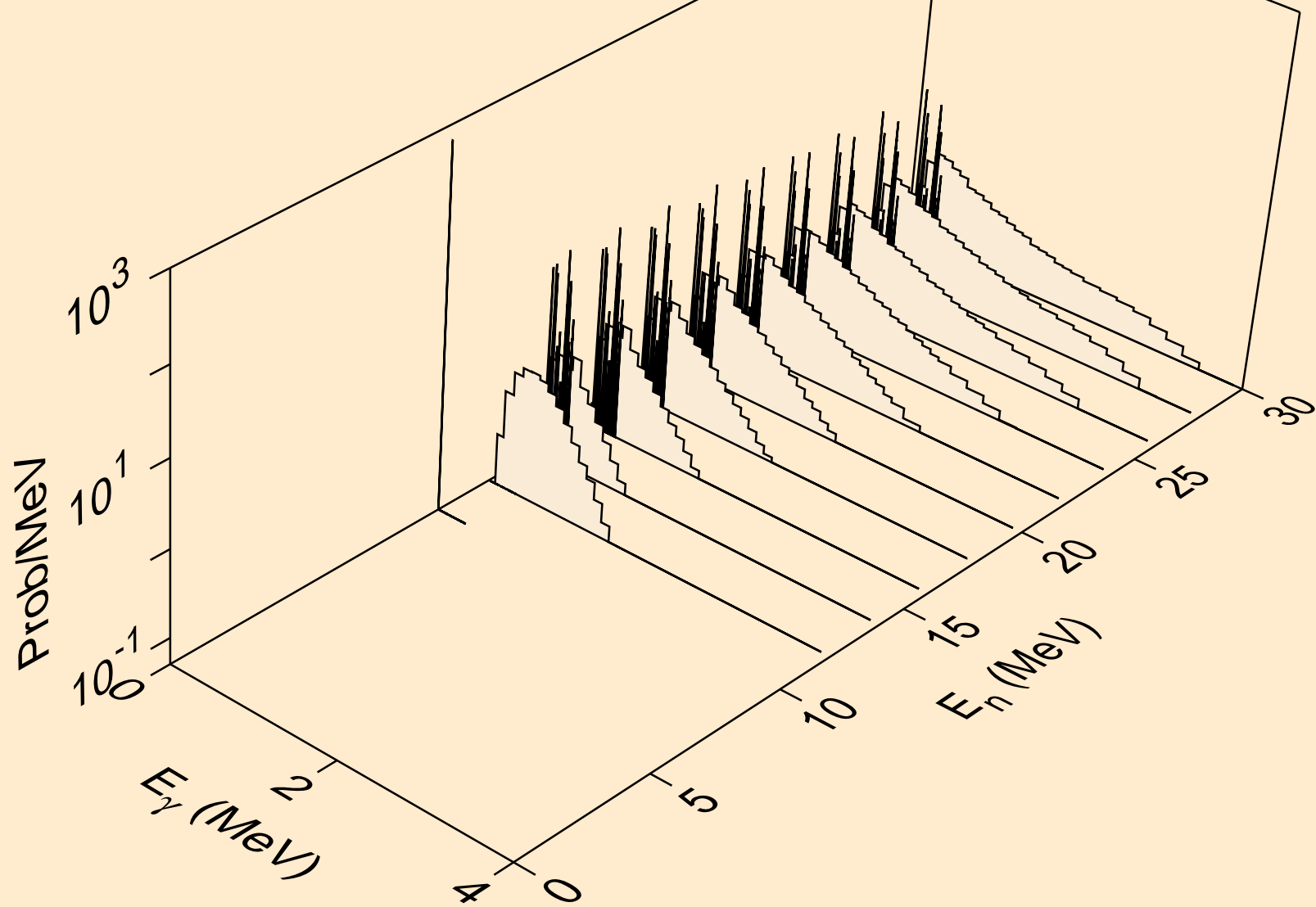
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Photon emission for (n,2a)



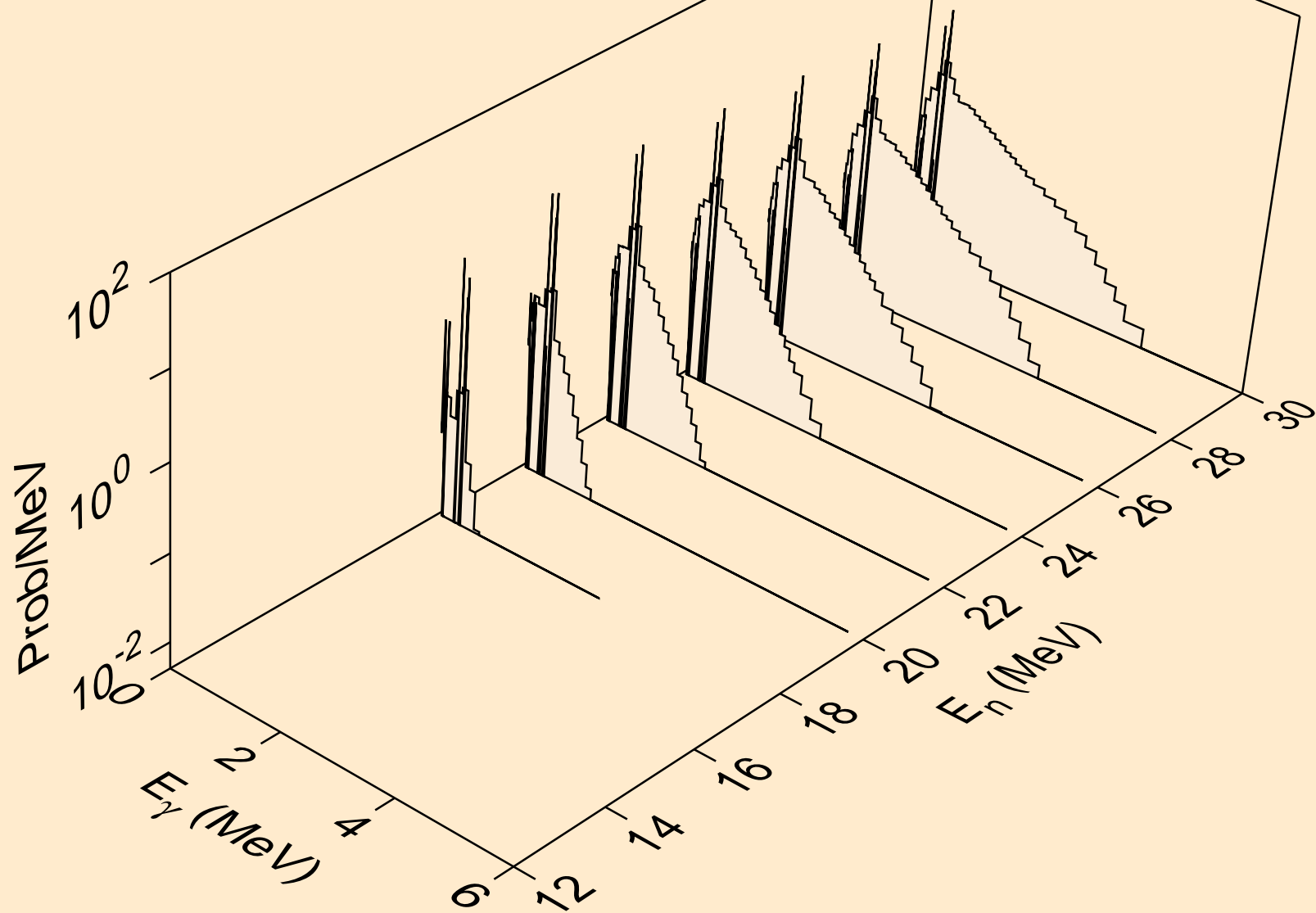
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Photon emission for (n,2p)



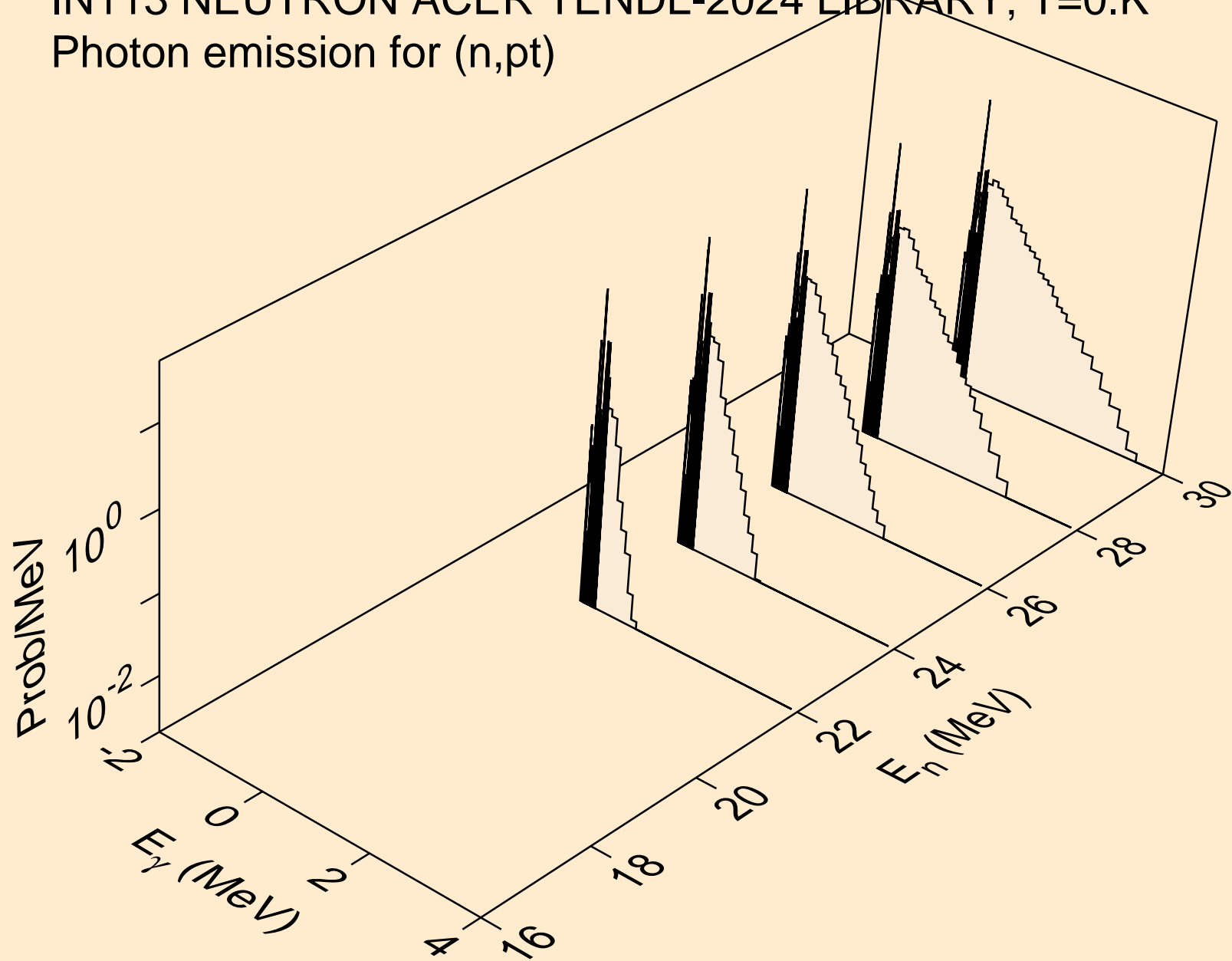
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)

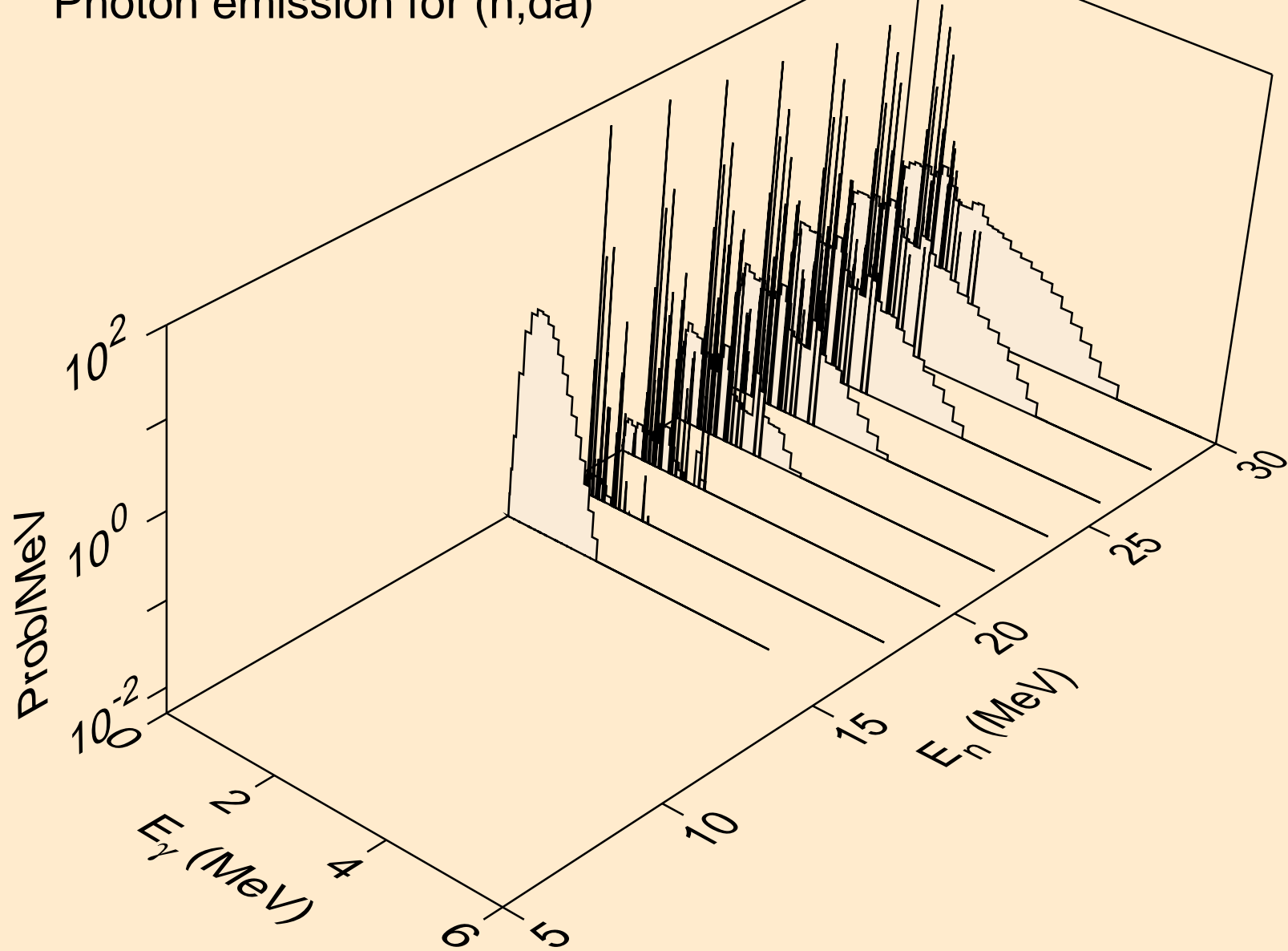


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Photon emission for (n,pt)

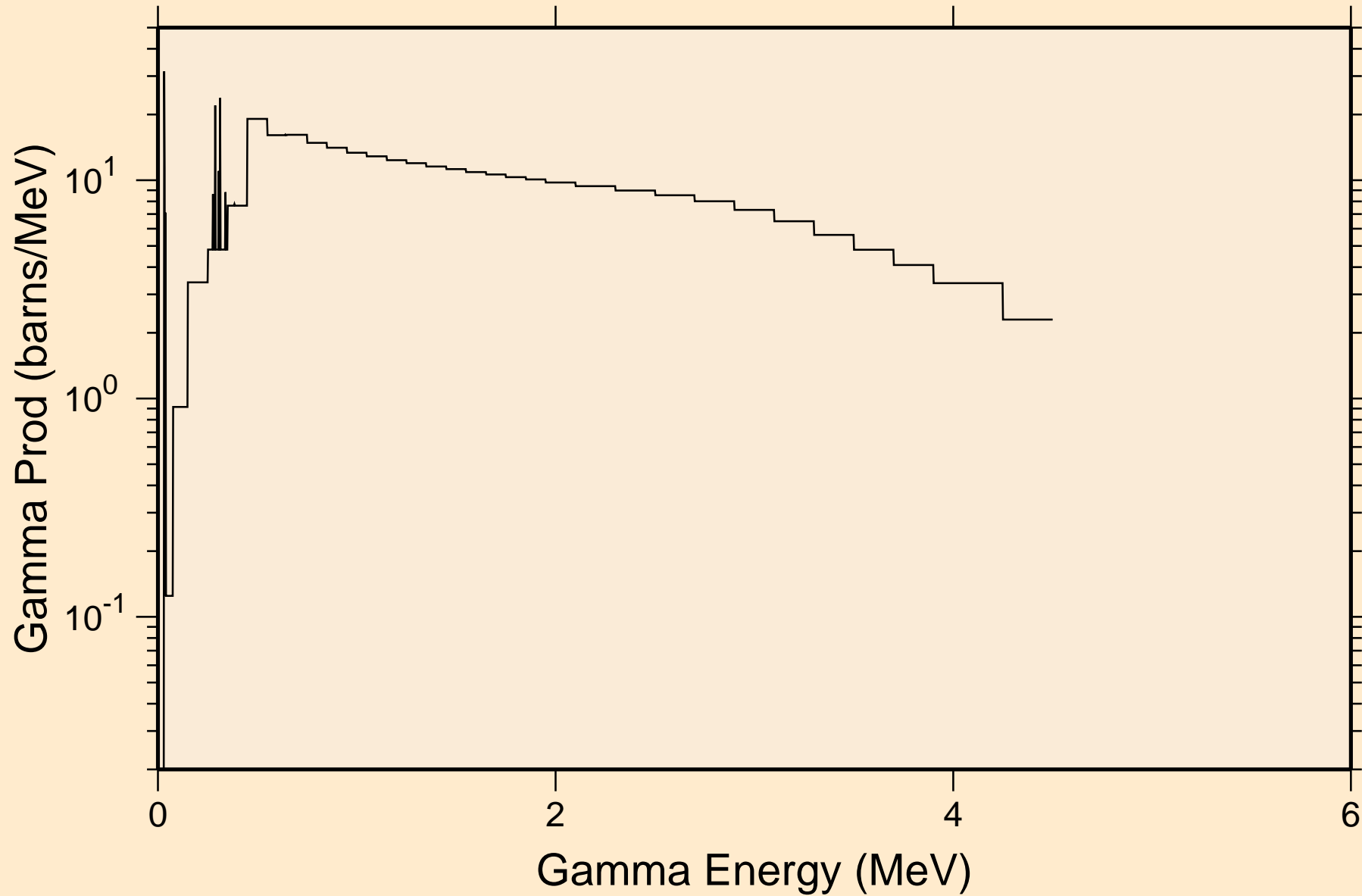




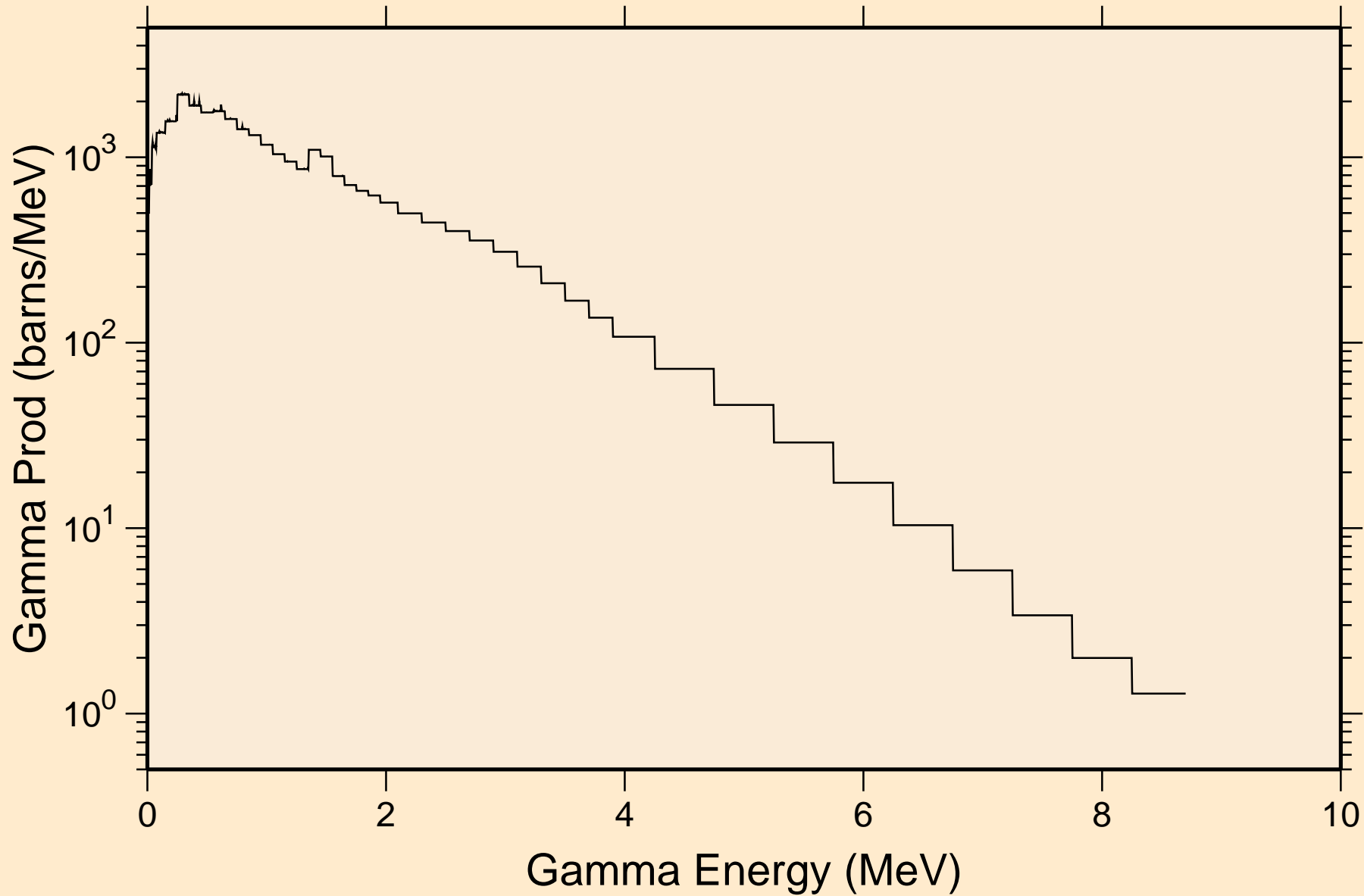
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

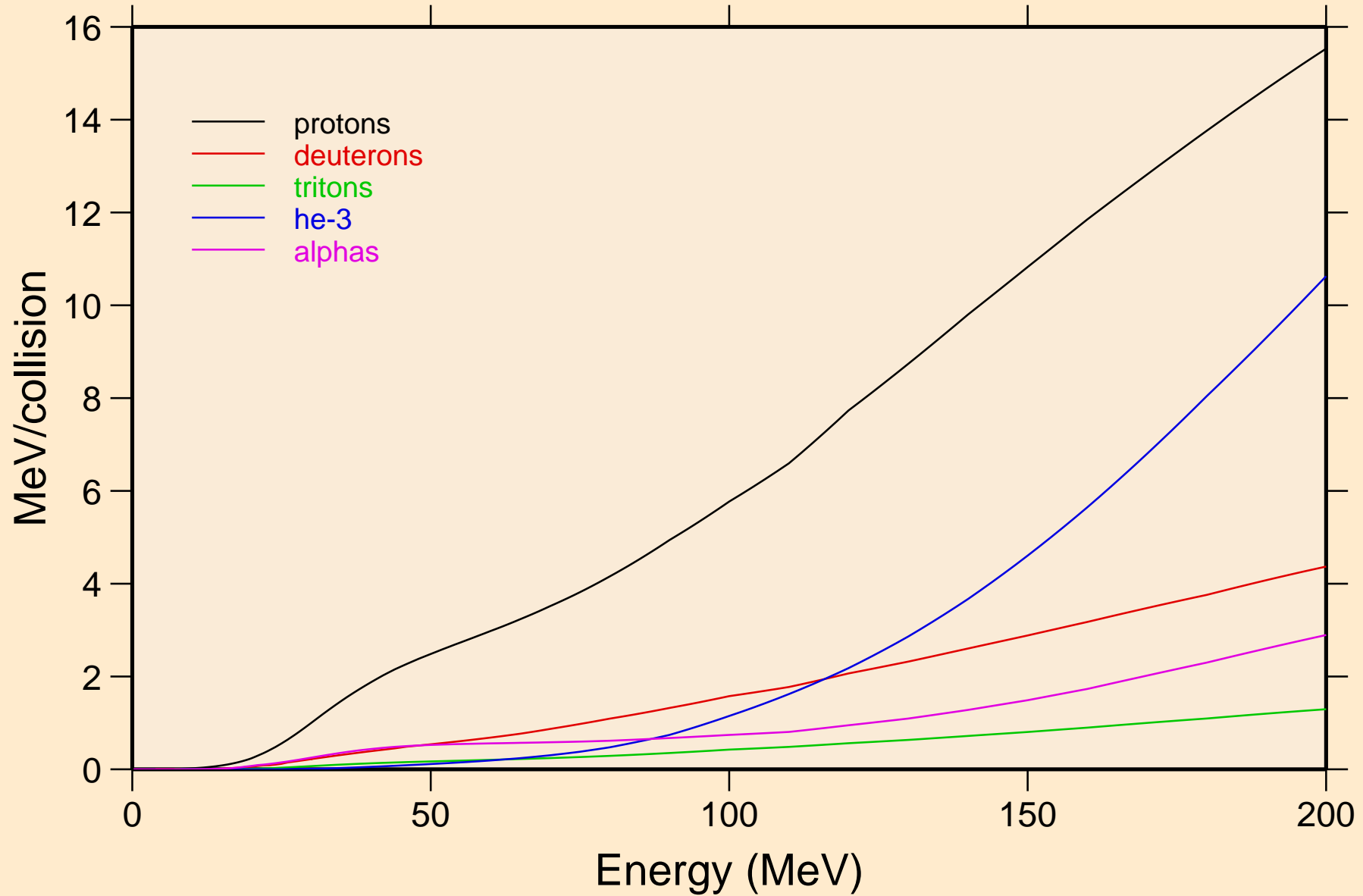


IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum



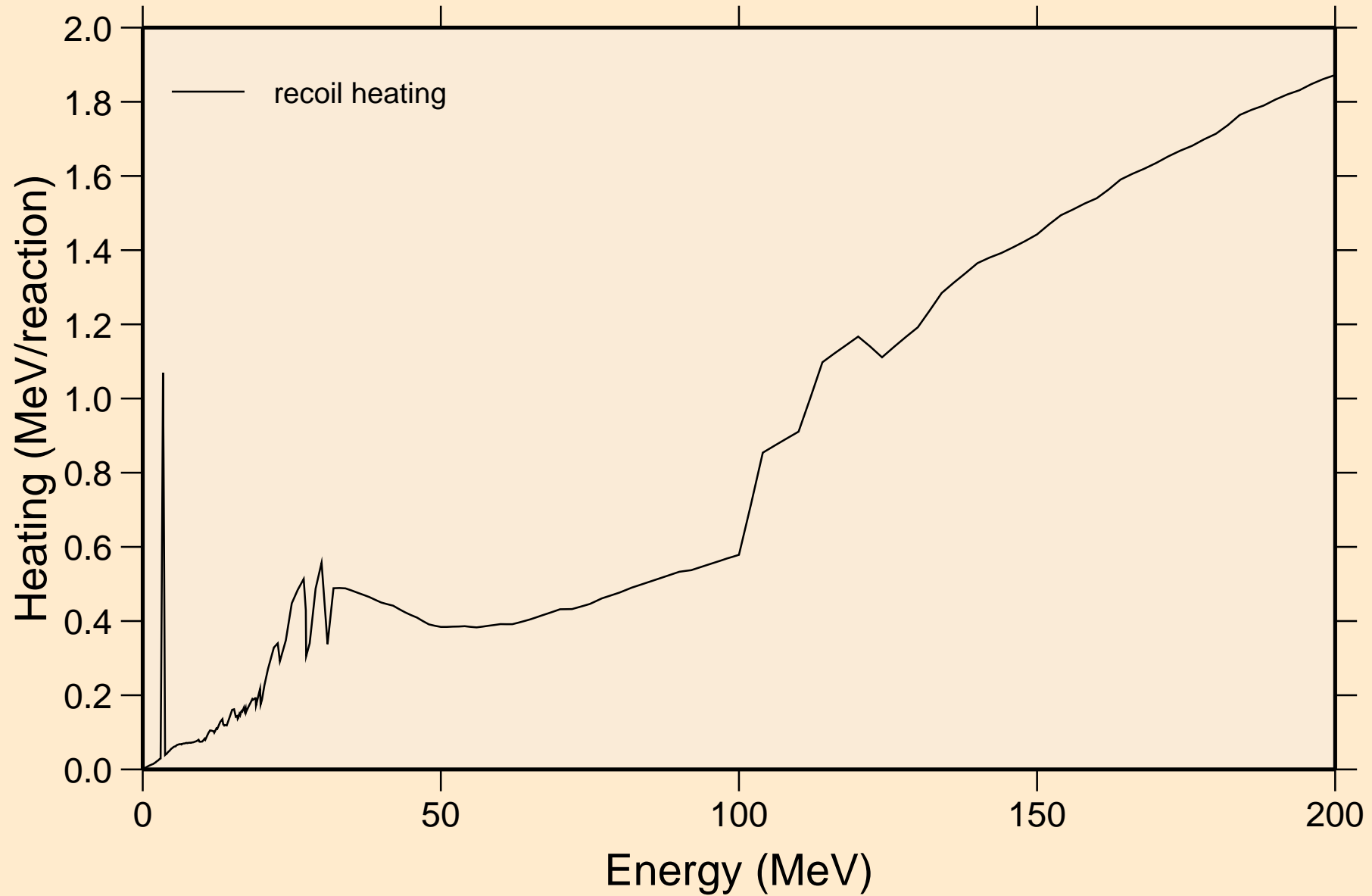
# IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions

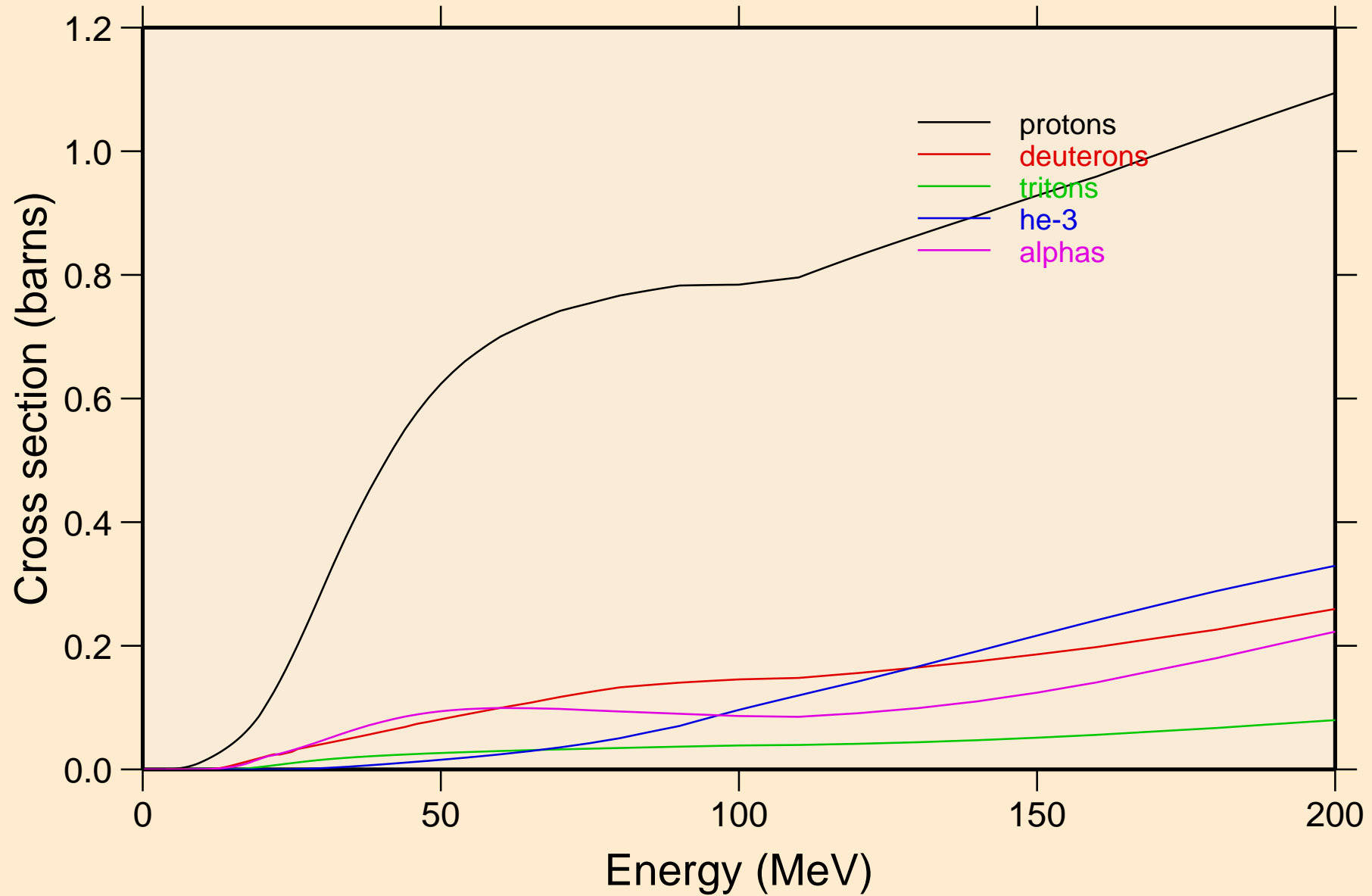


# IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

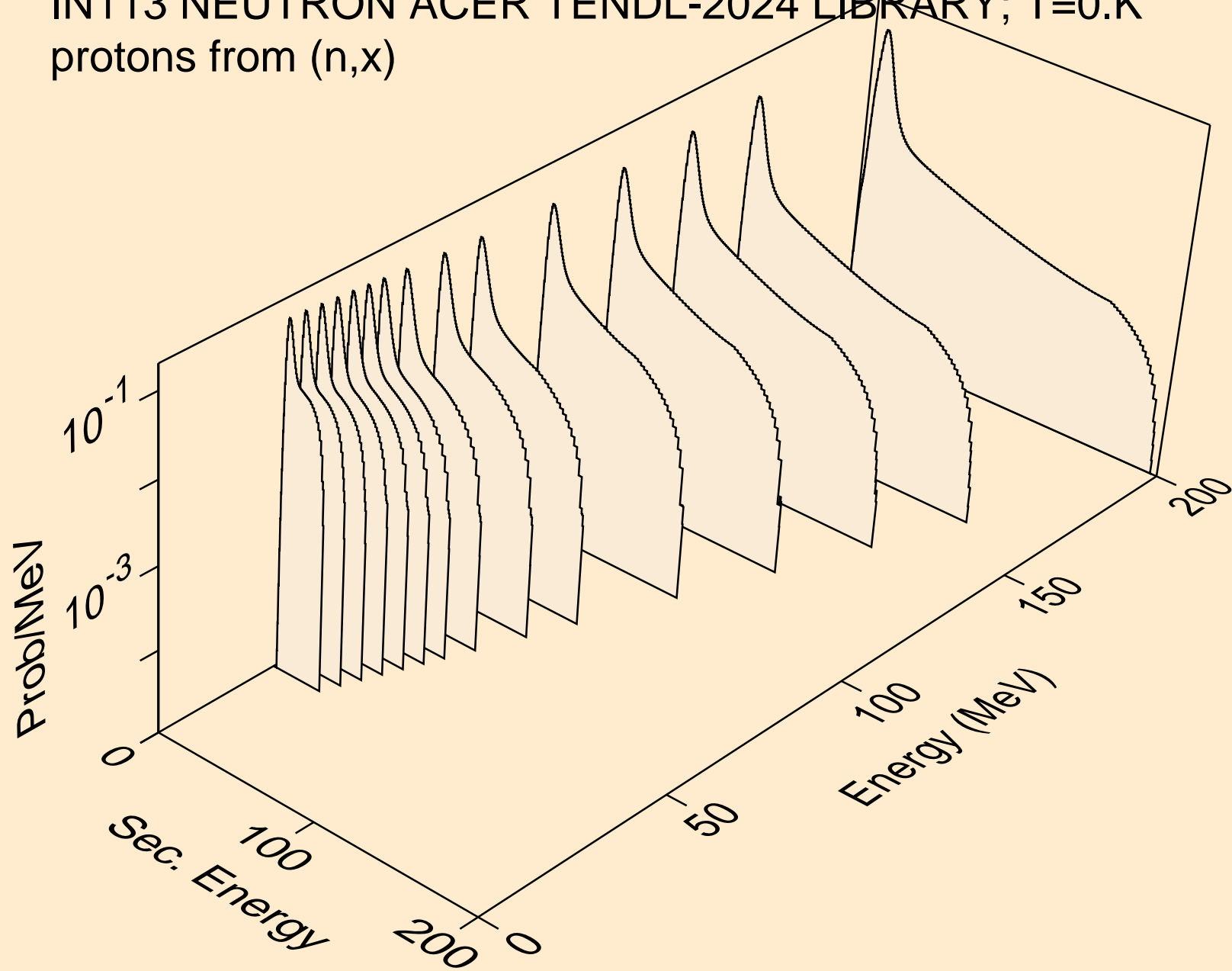
## Recoil Heating



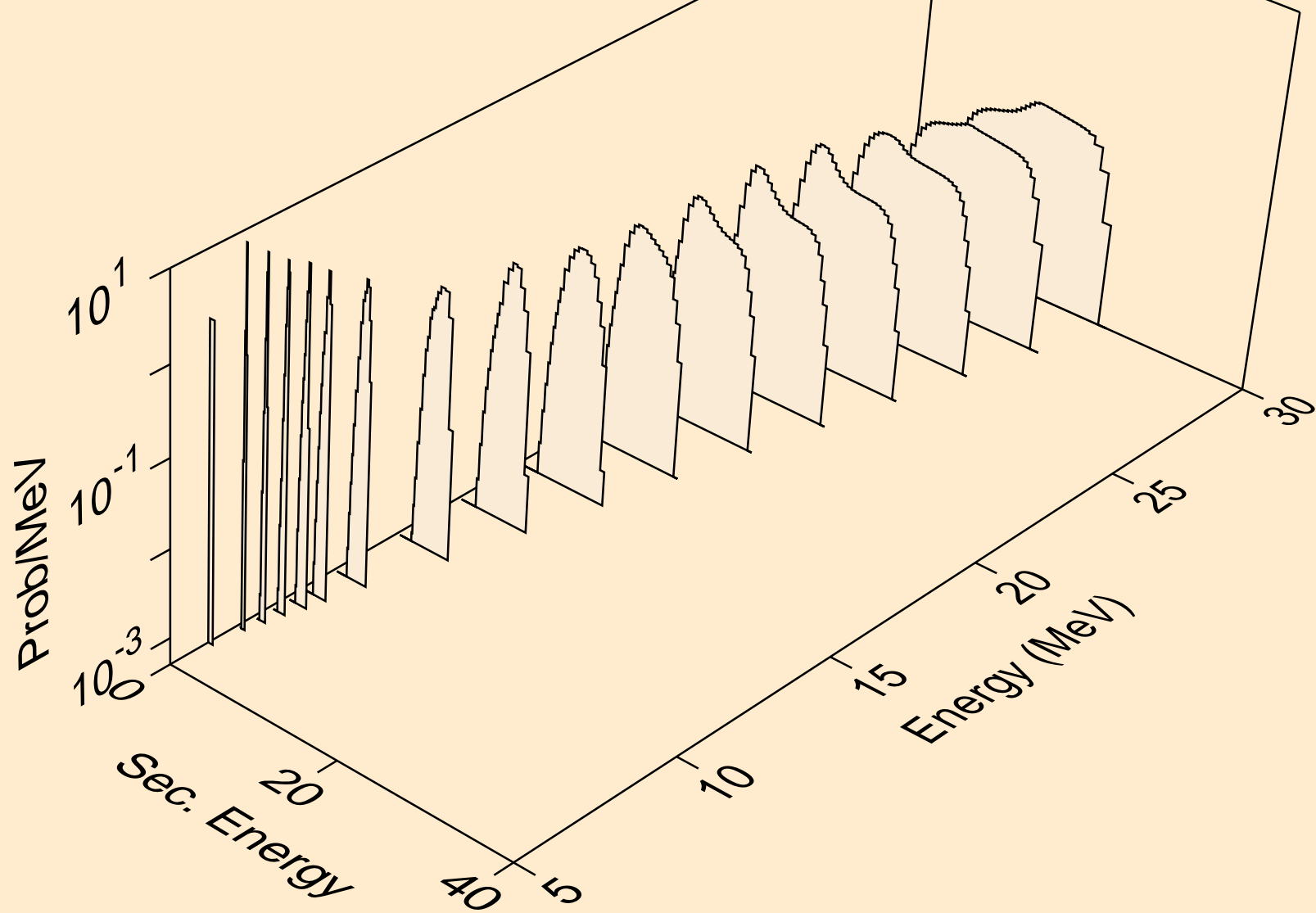
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Particle production cross sections



IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)

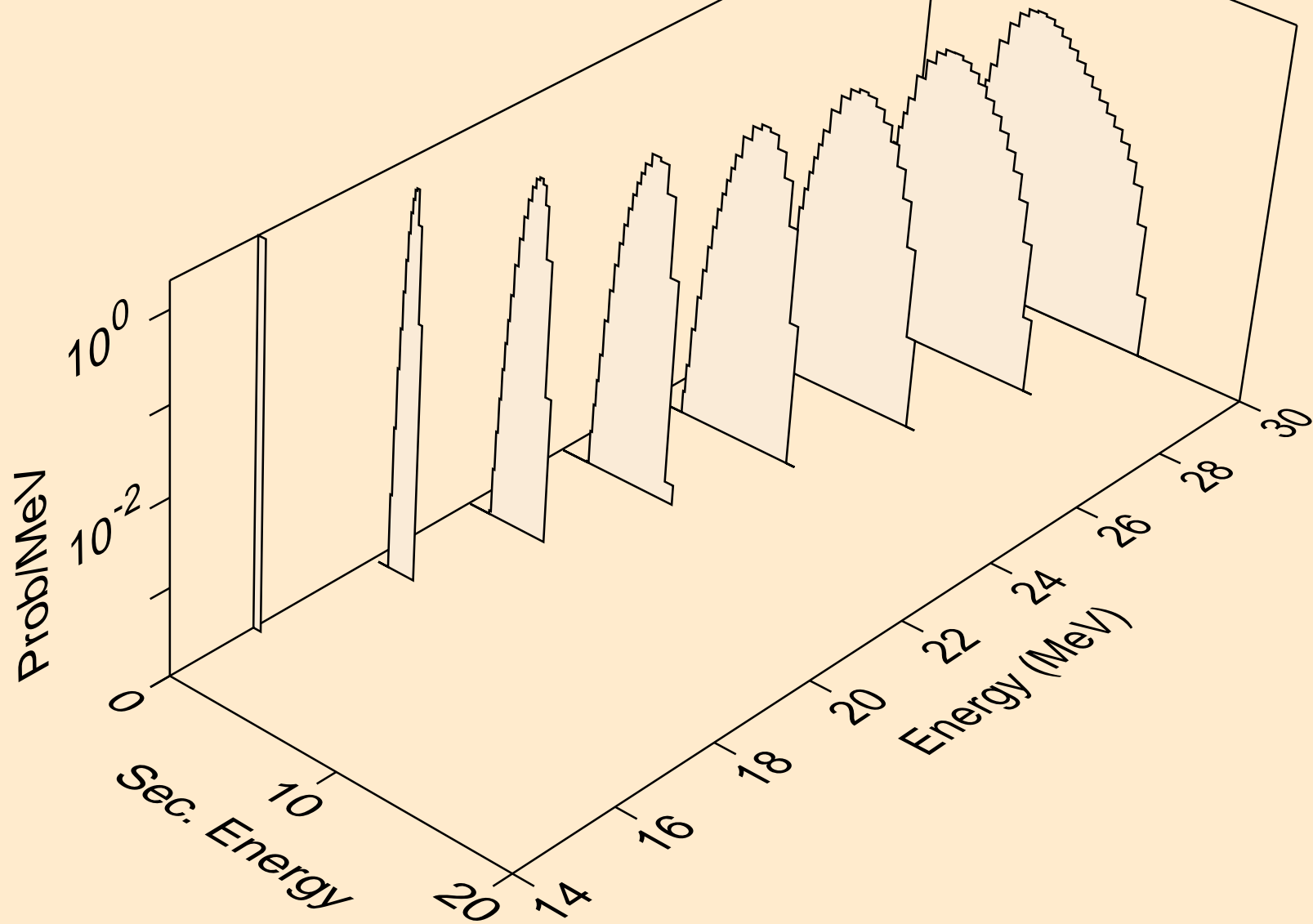


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protons from (n,n\*)p

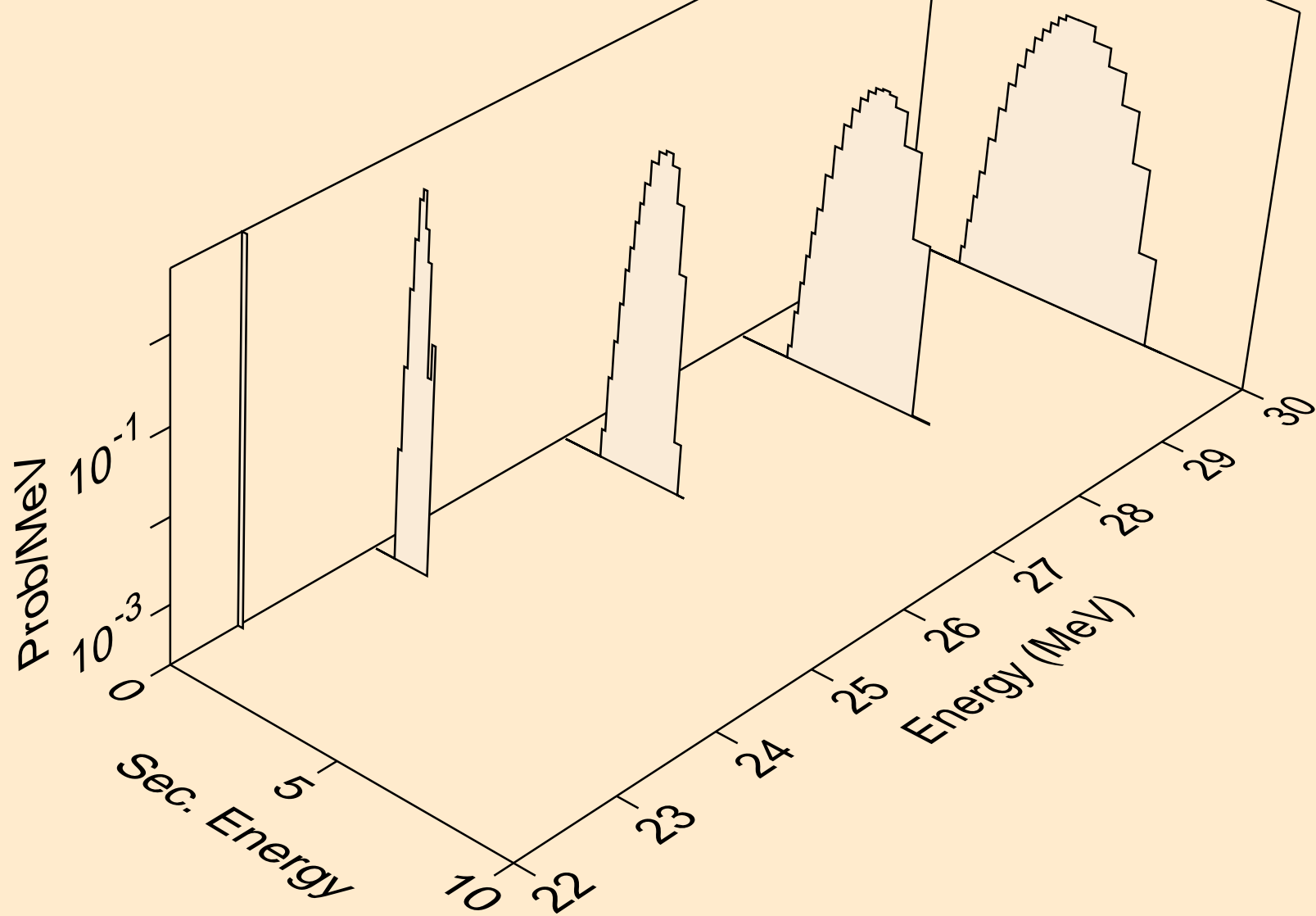




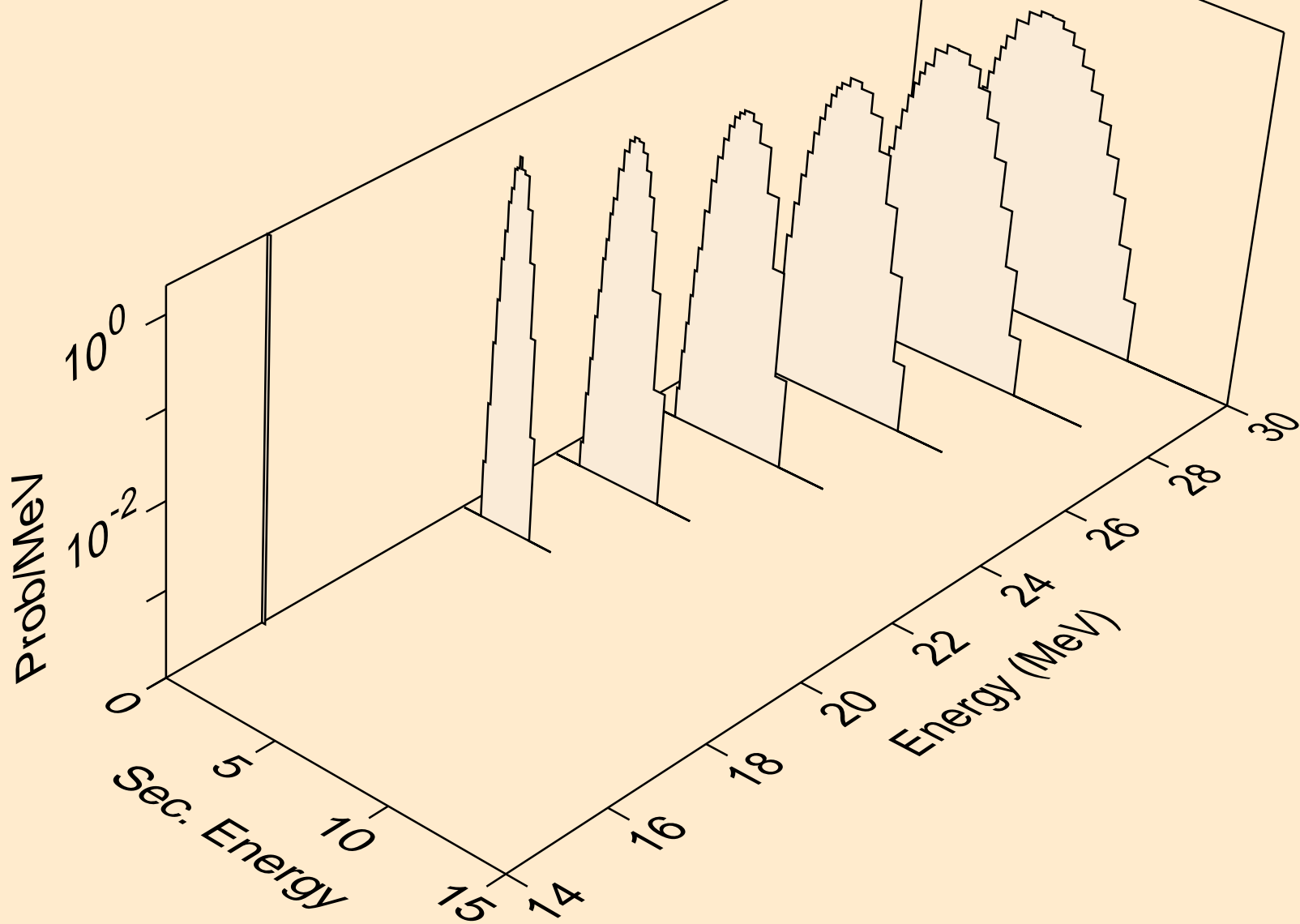
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protons from (n,2np)



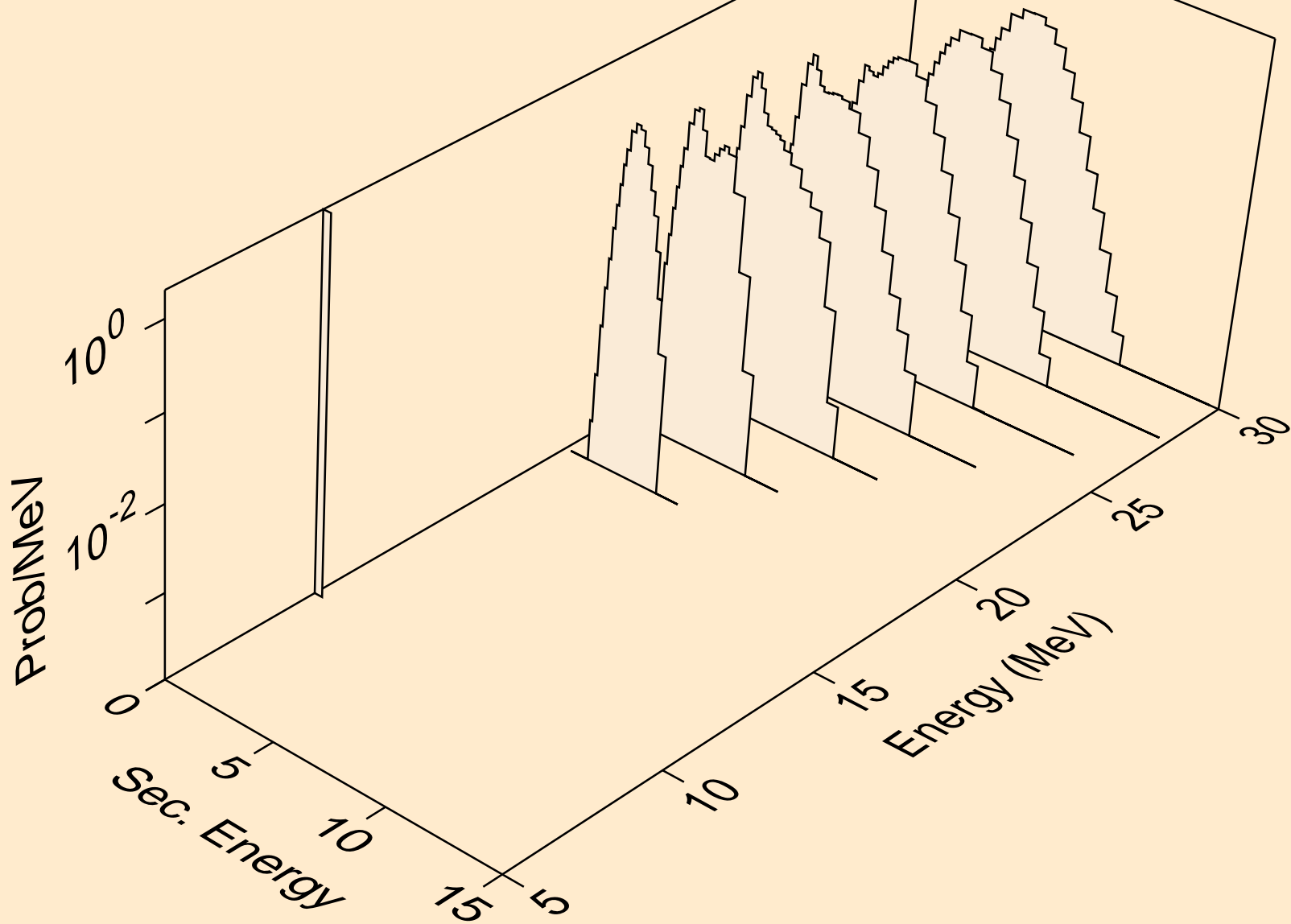
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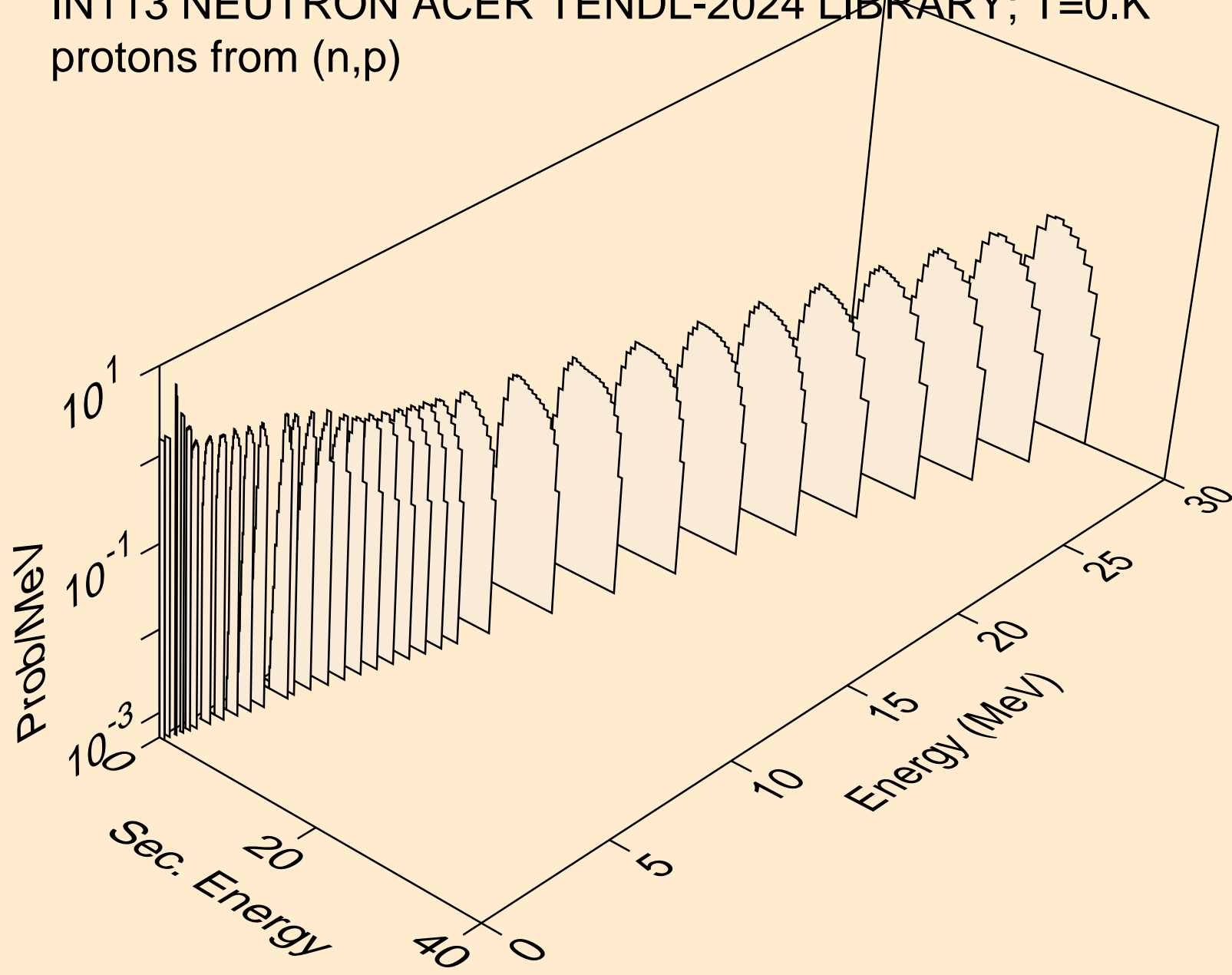
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protons from (n,n2p)



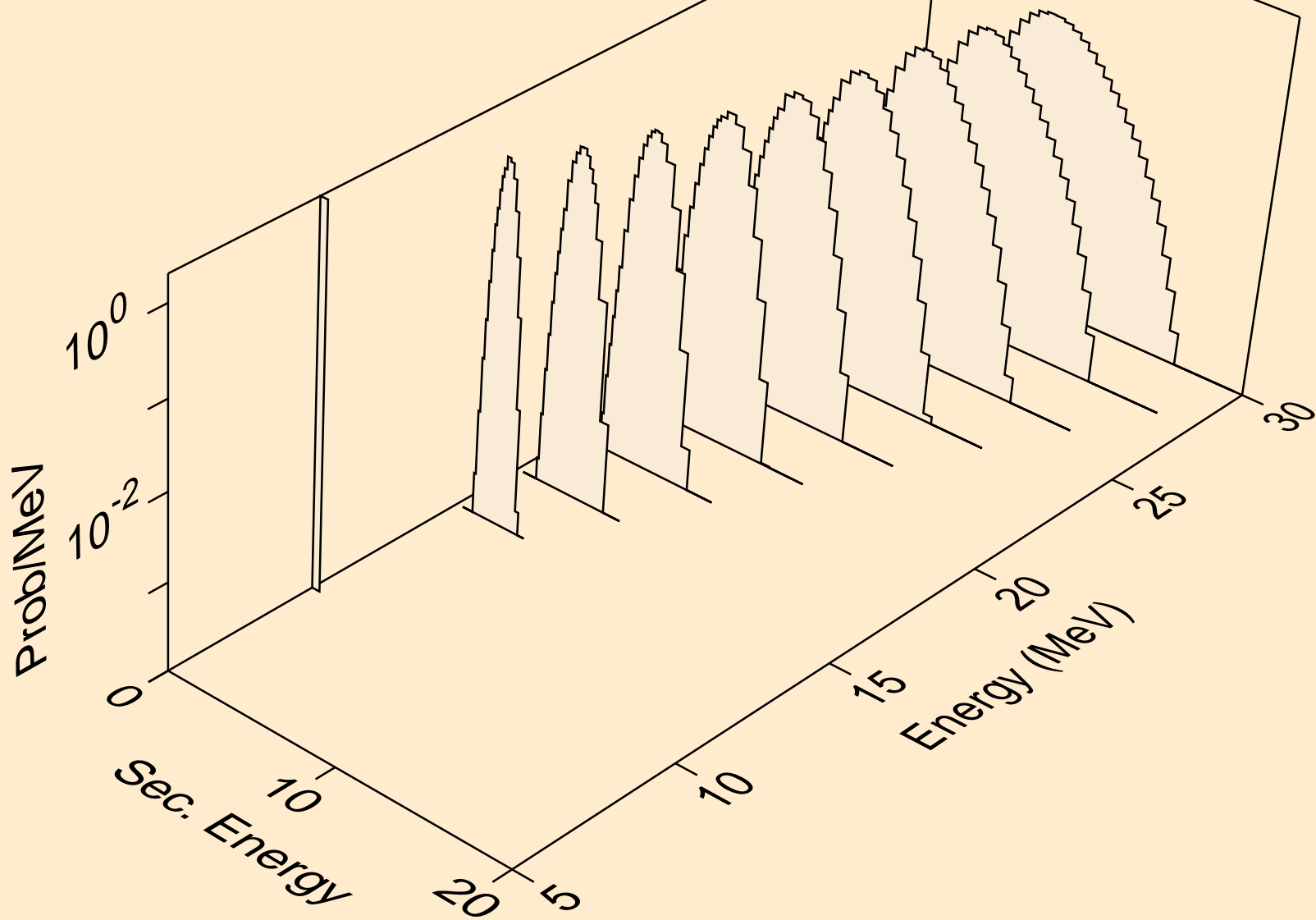
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protons from (n,npa)



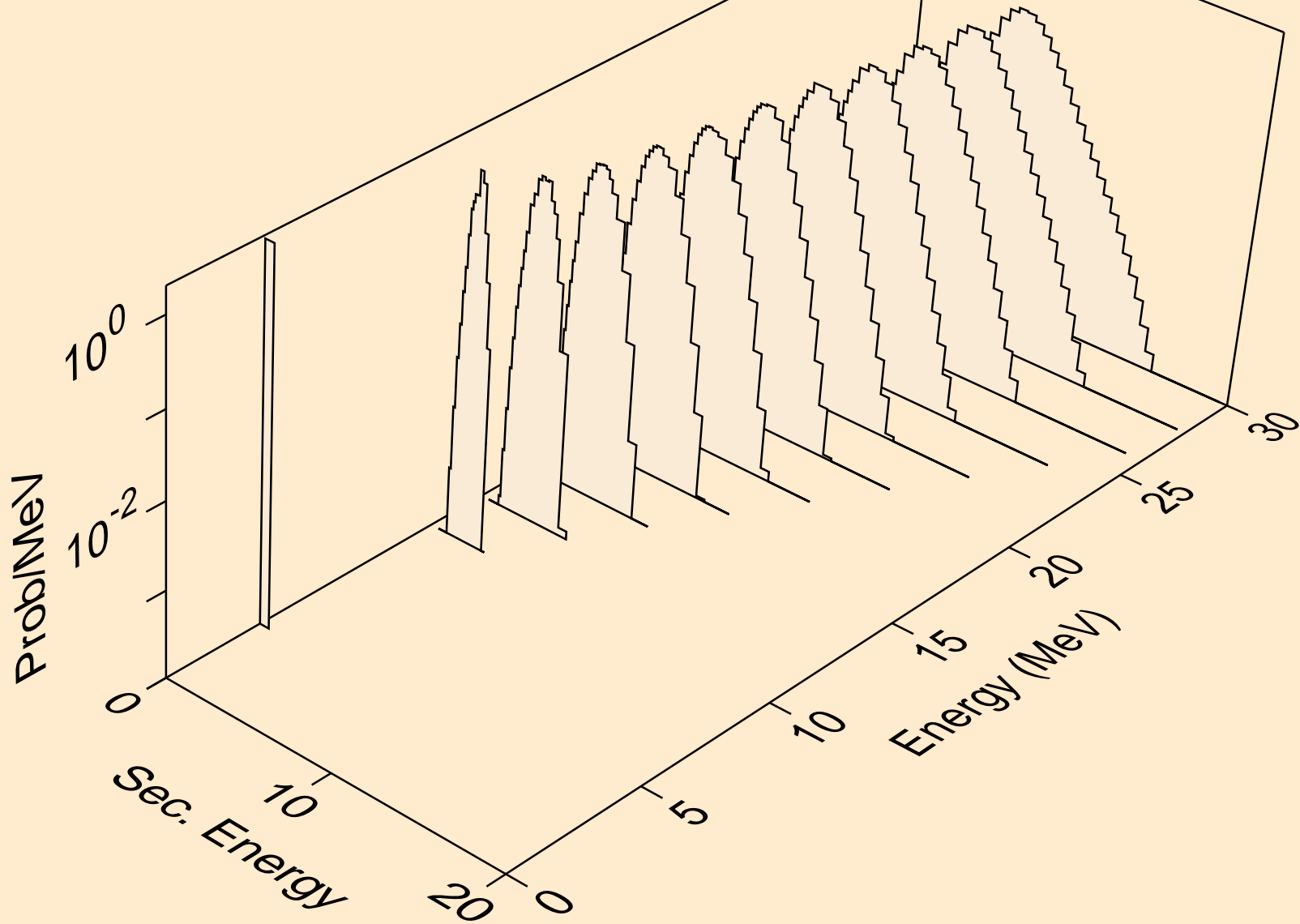
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protons from (n,p)



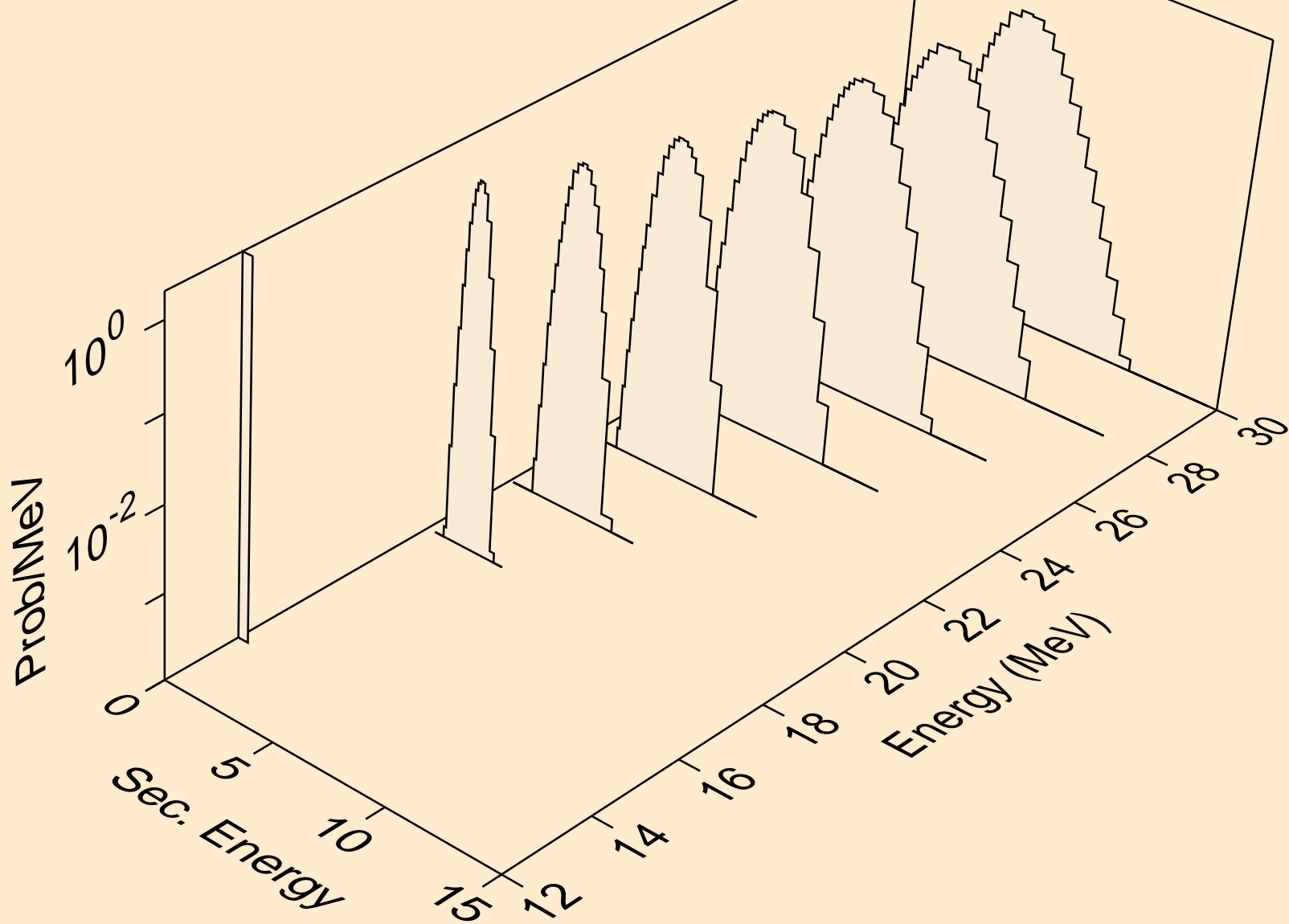
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protons from (n,2p)



IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pa)

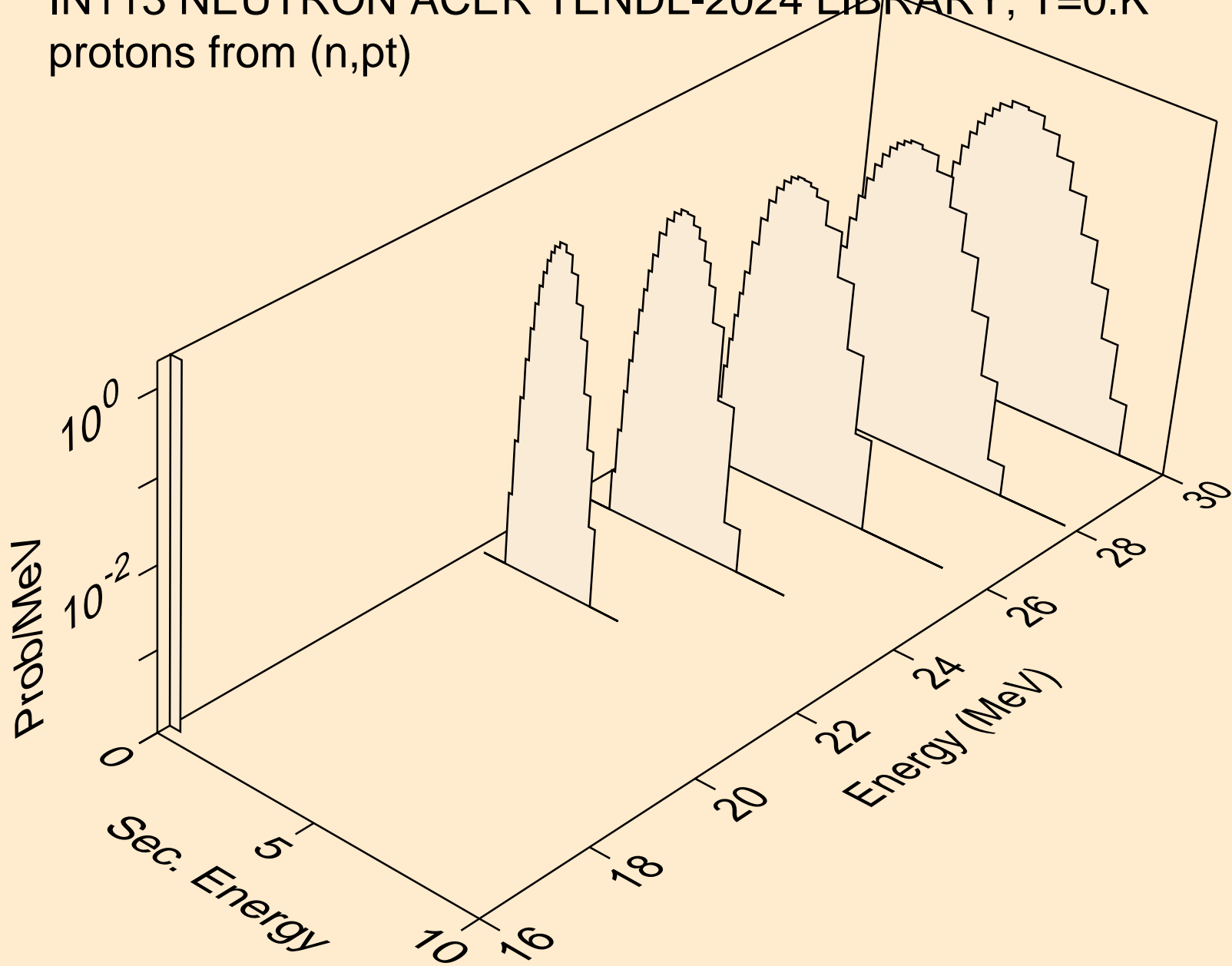


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protons from (n,pd)

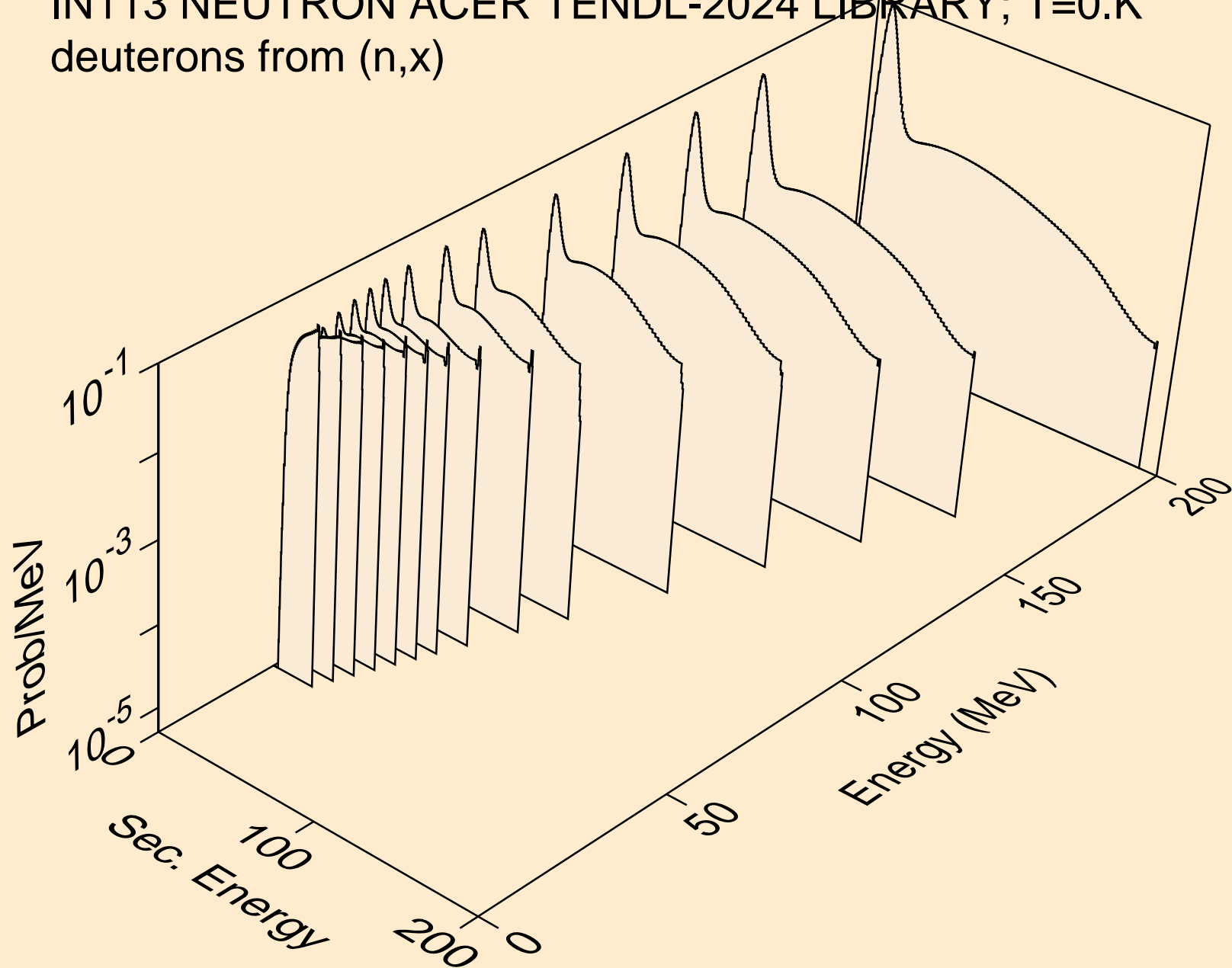




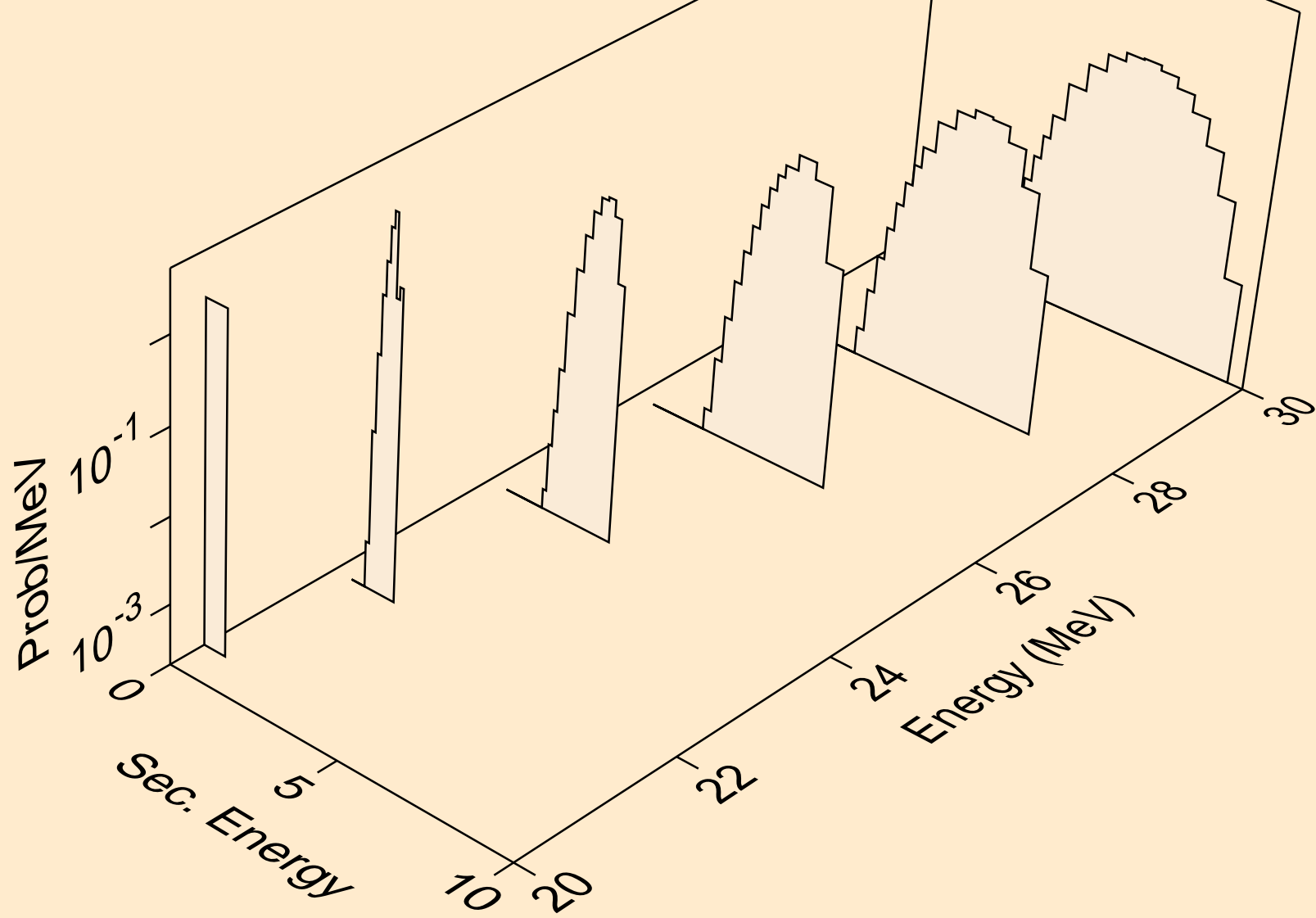
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protons from (n,pt)



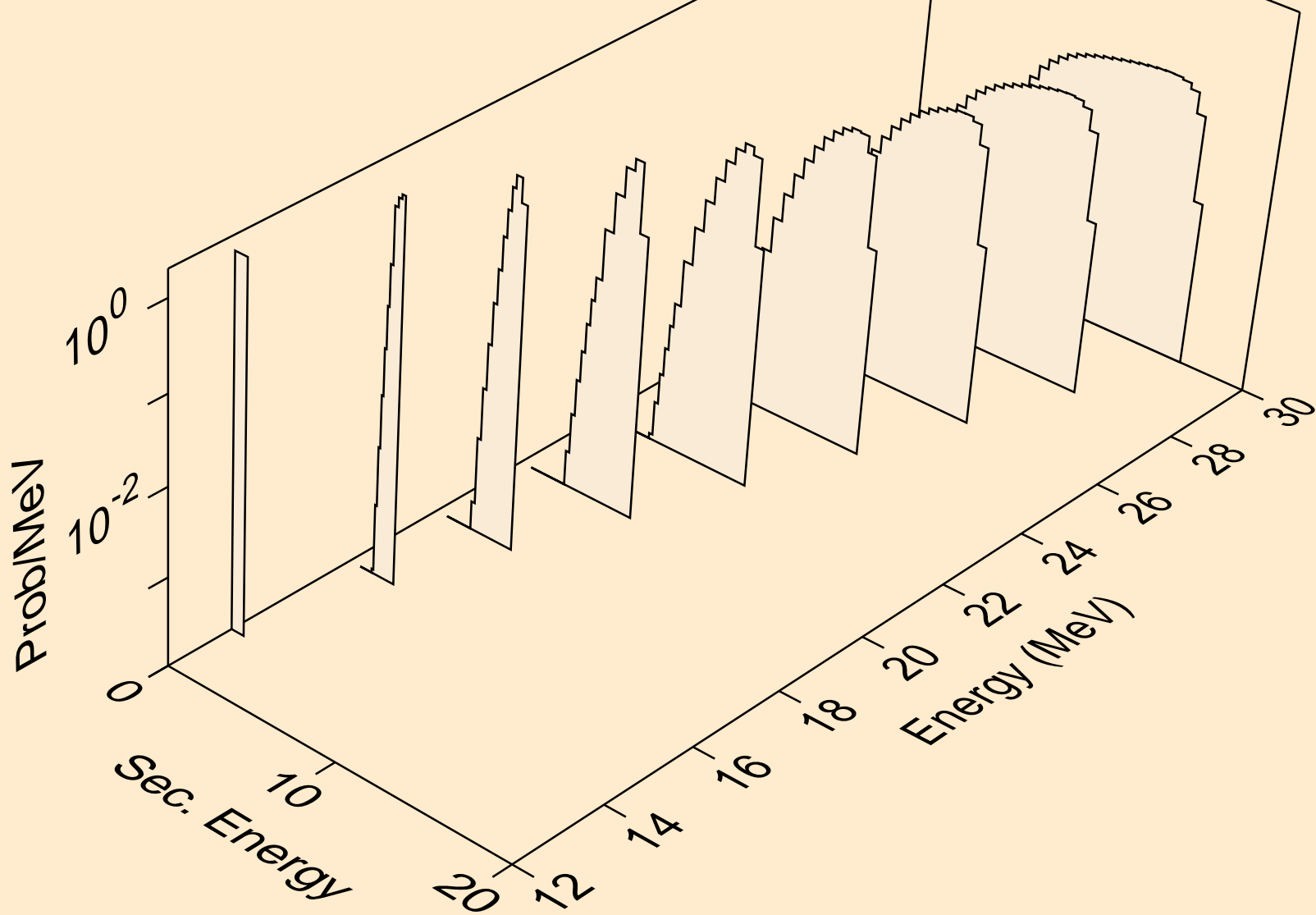
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deuterons from (n,x)



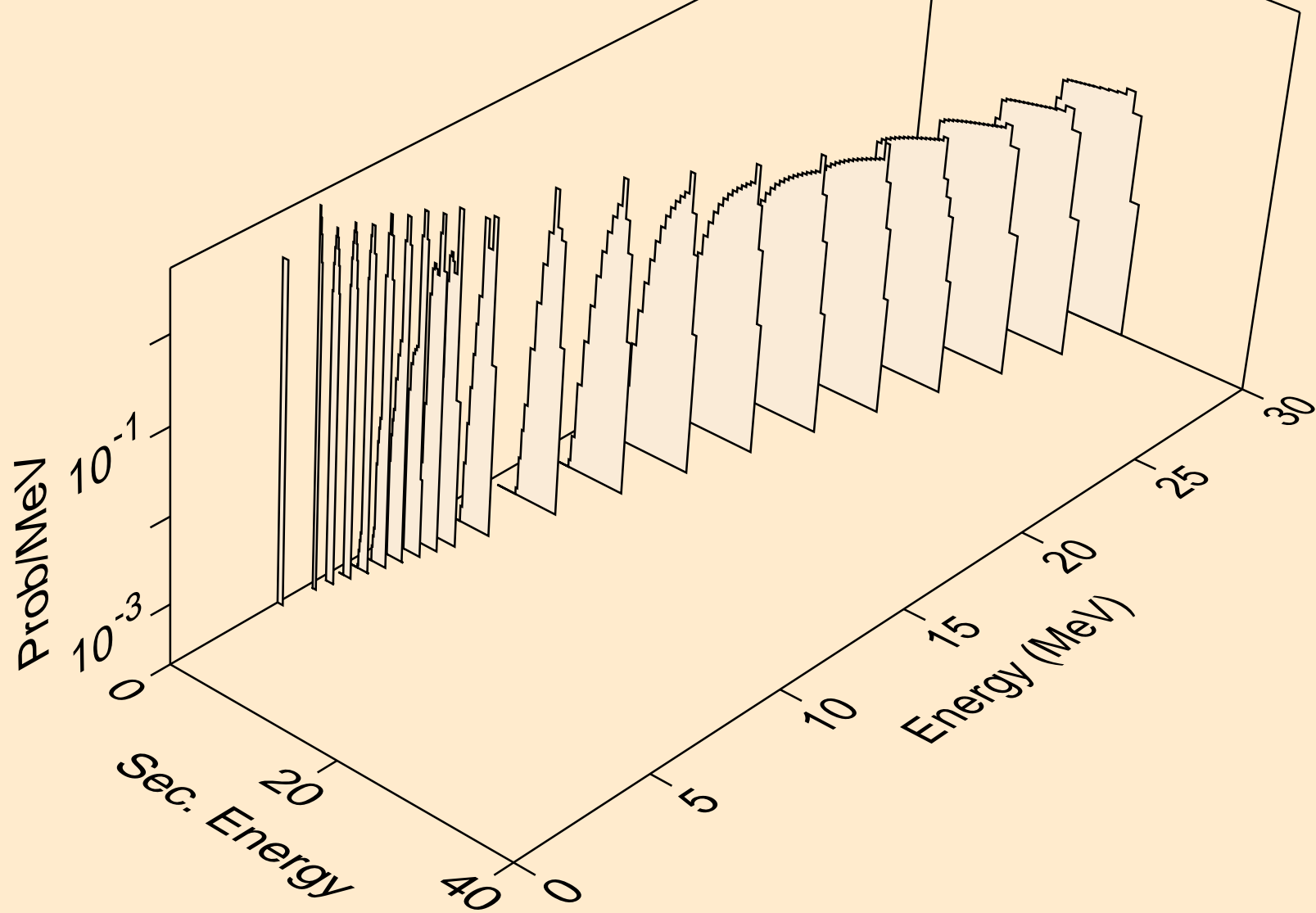
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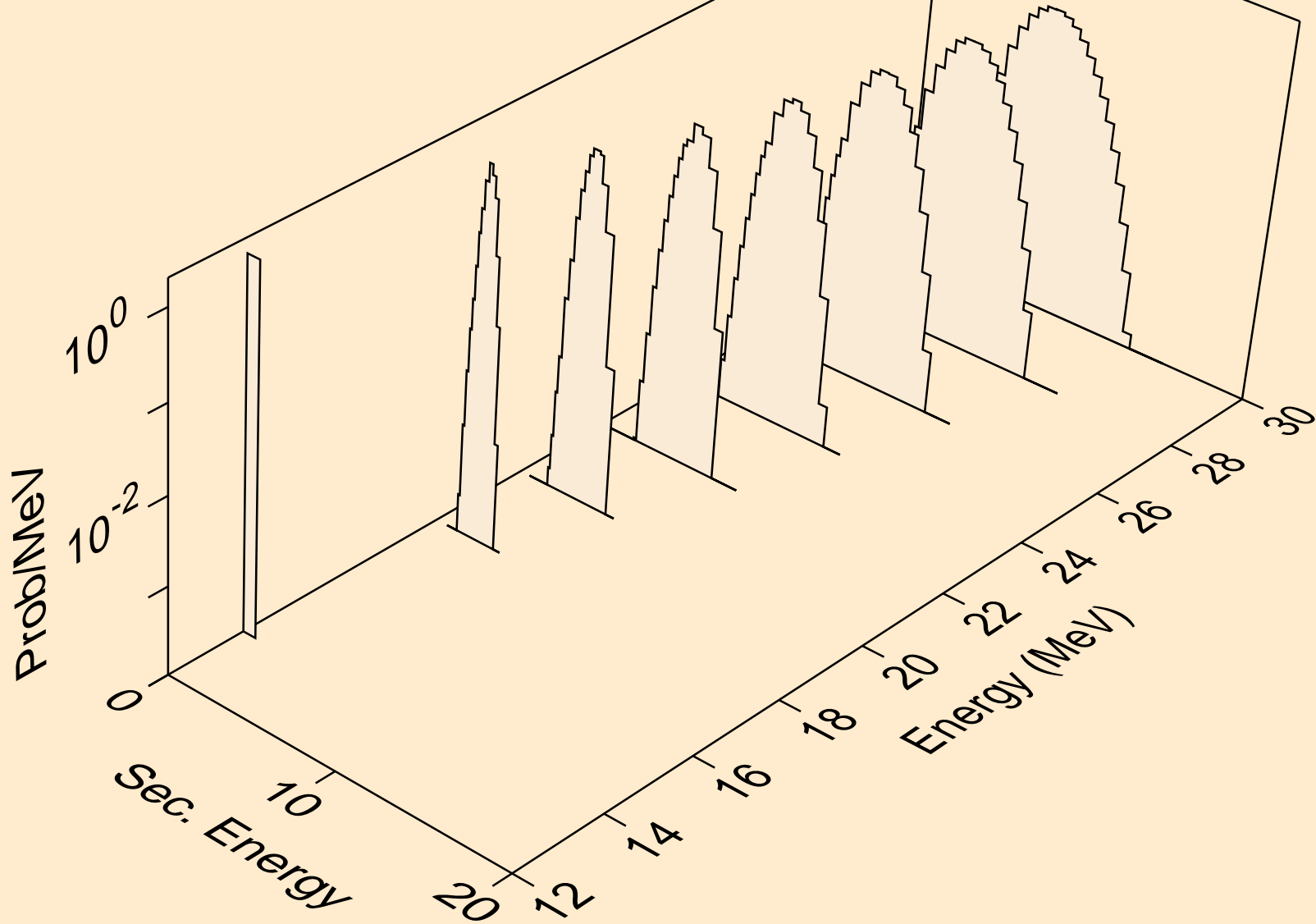
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deuterons from (n,n\*)d



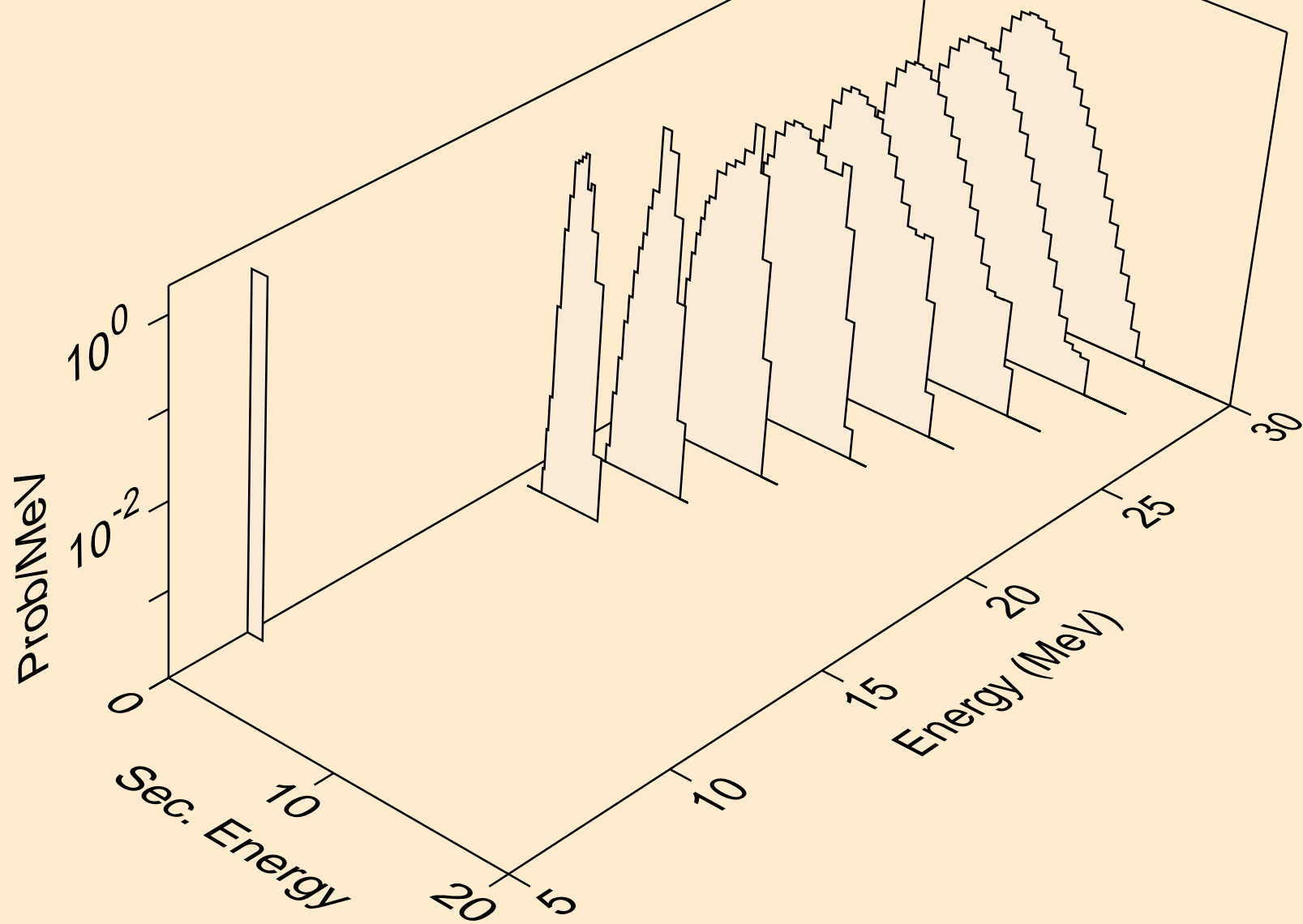
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deuterons from (n,d)



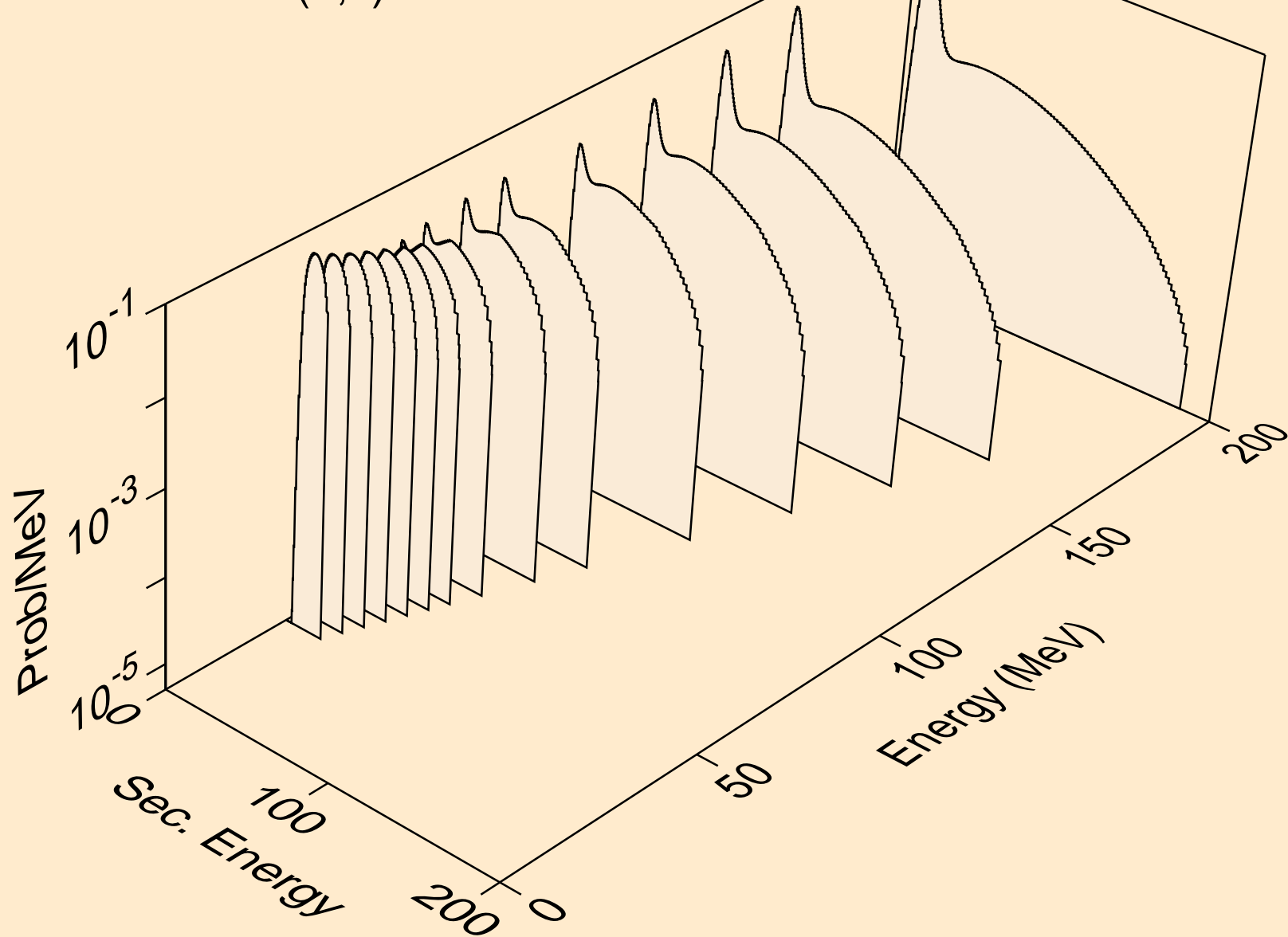
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,pd)



IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,da)

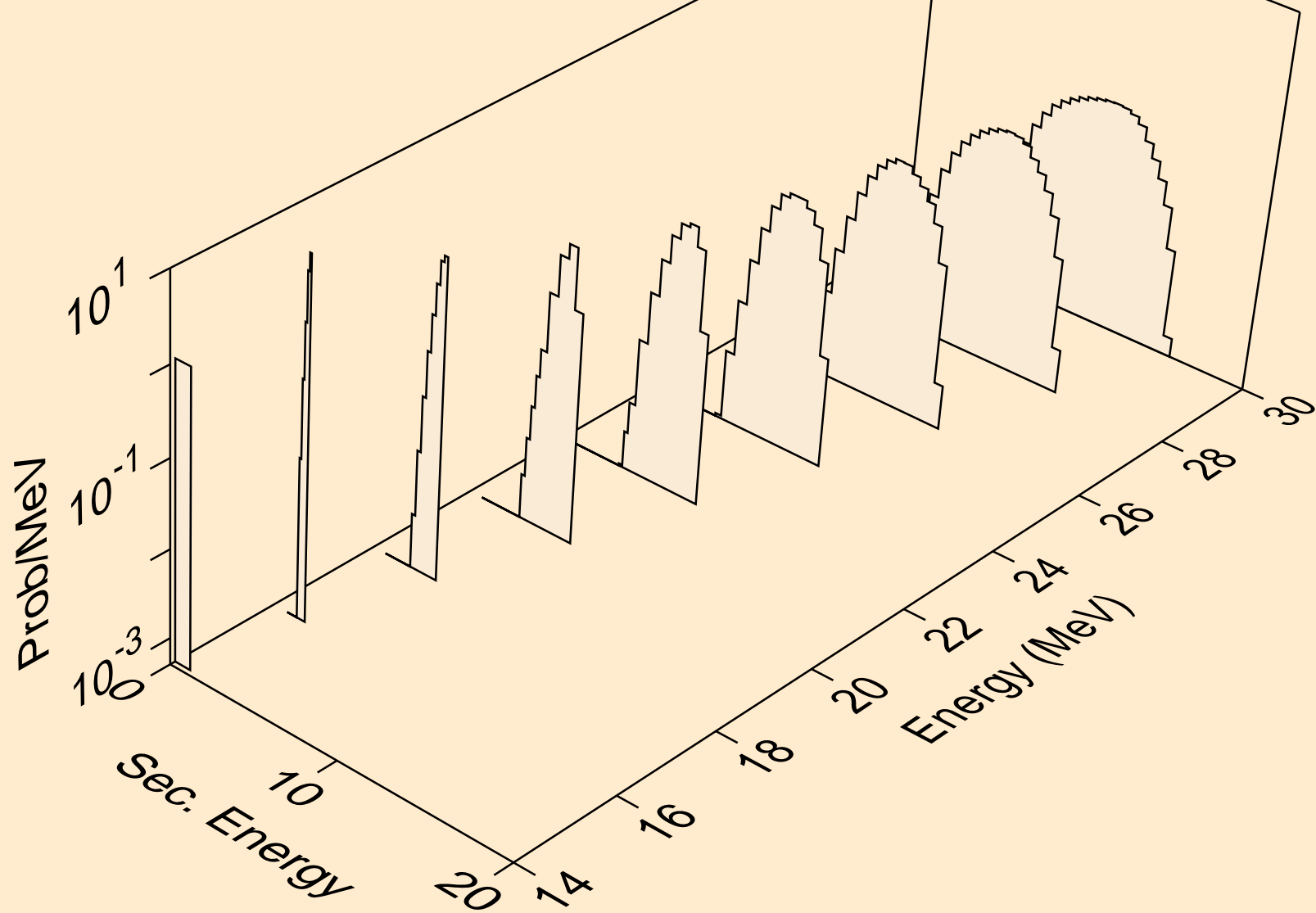


IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)

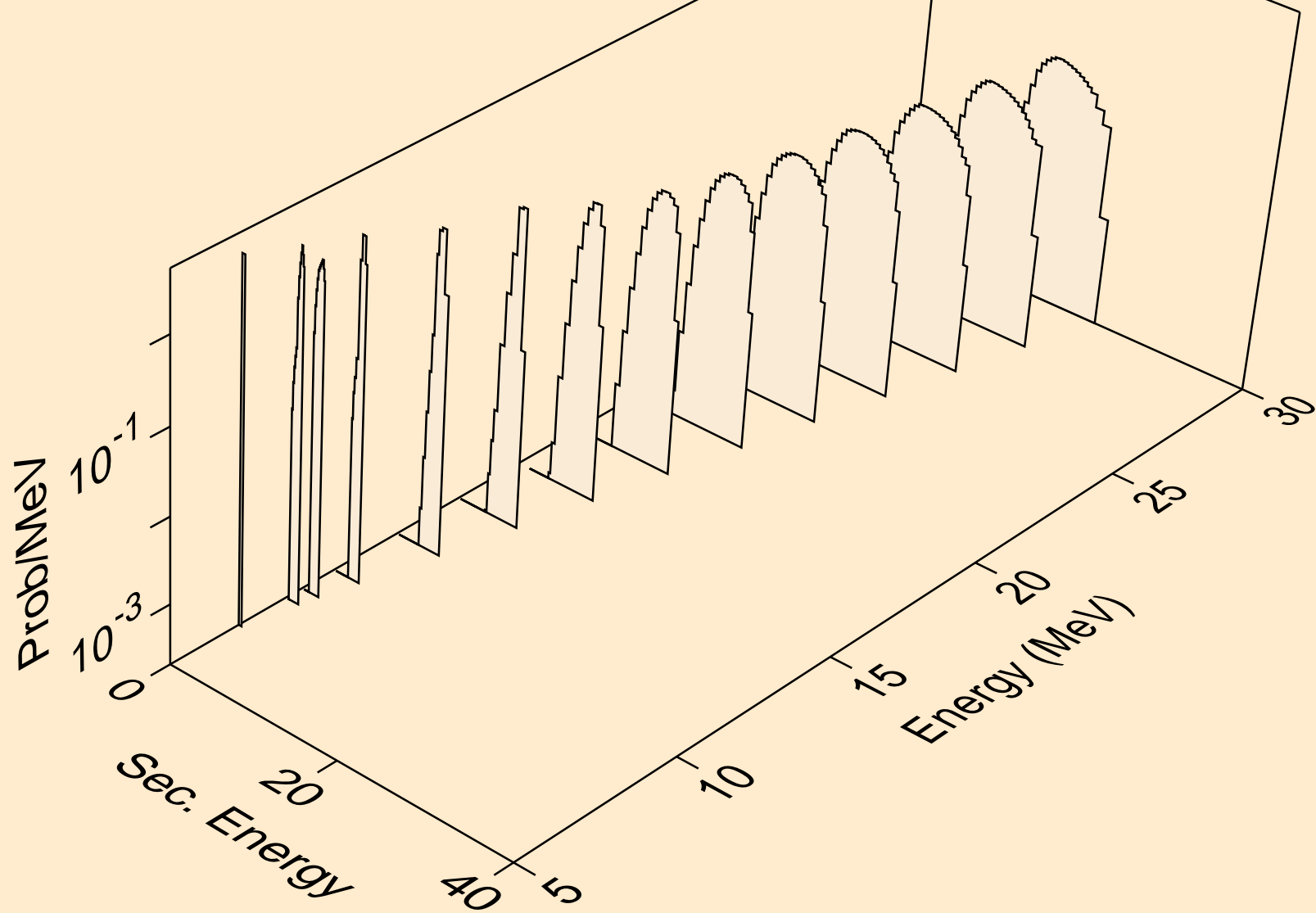




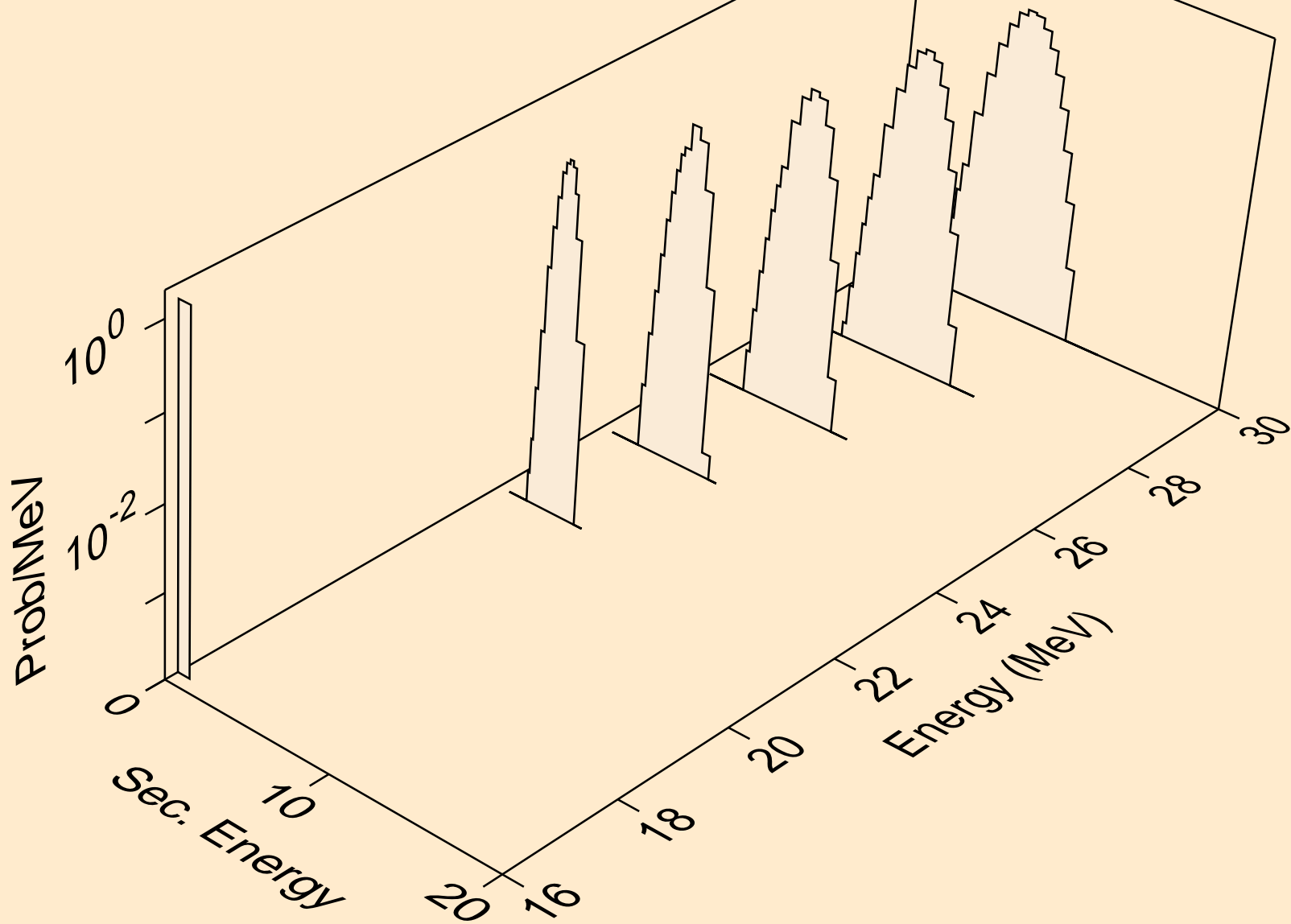
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



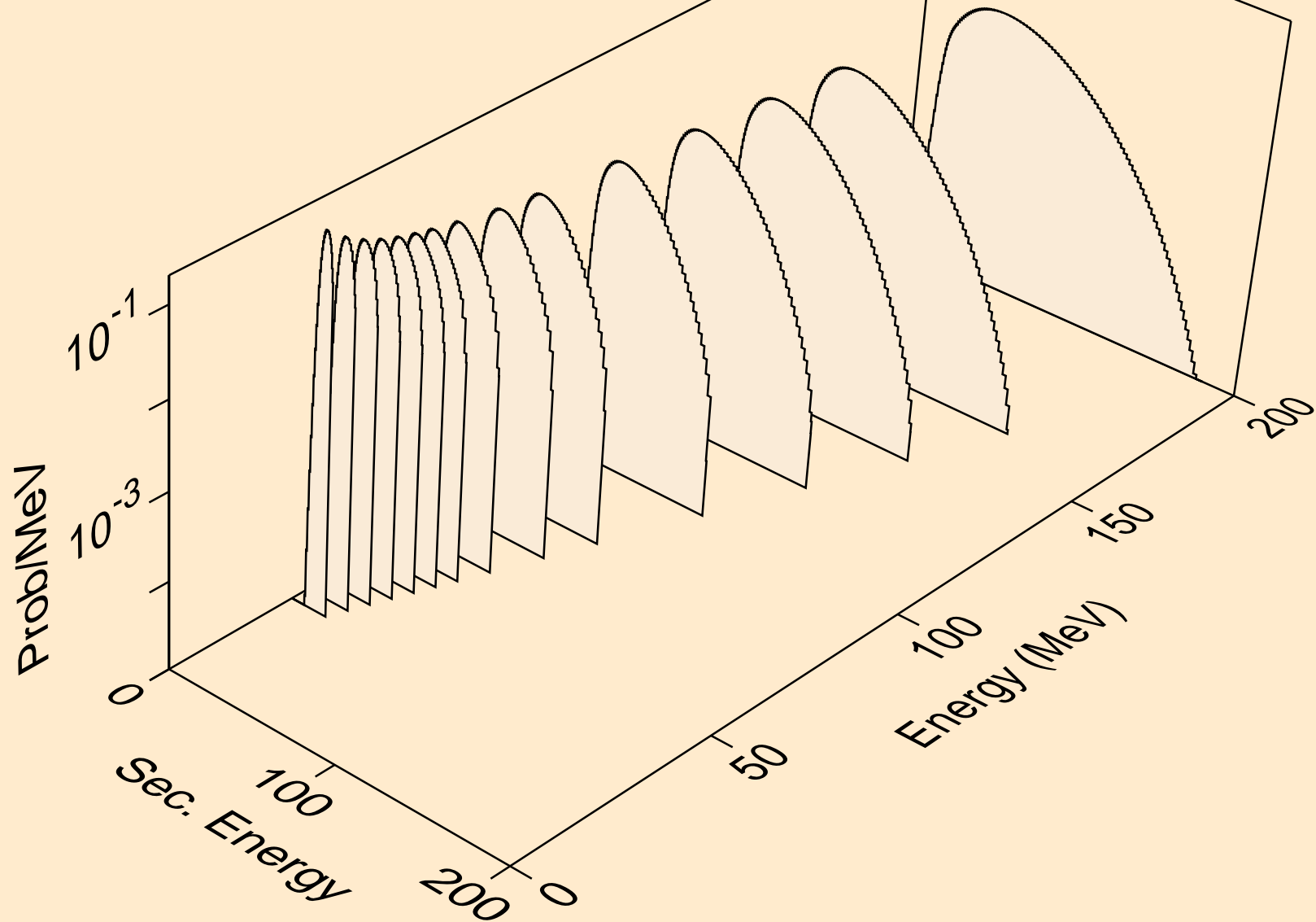
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tritons from (n,t)



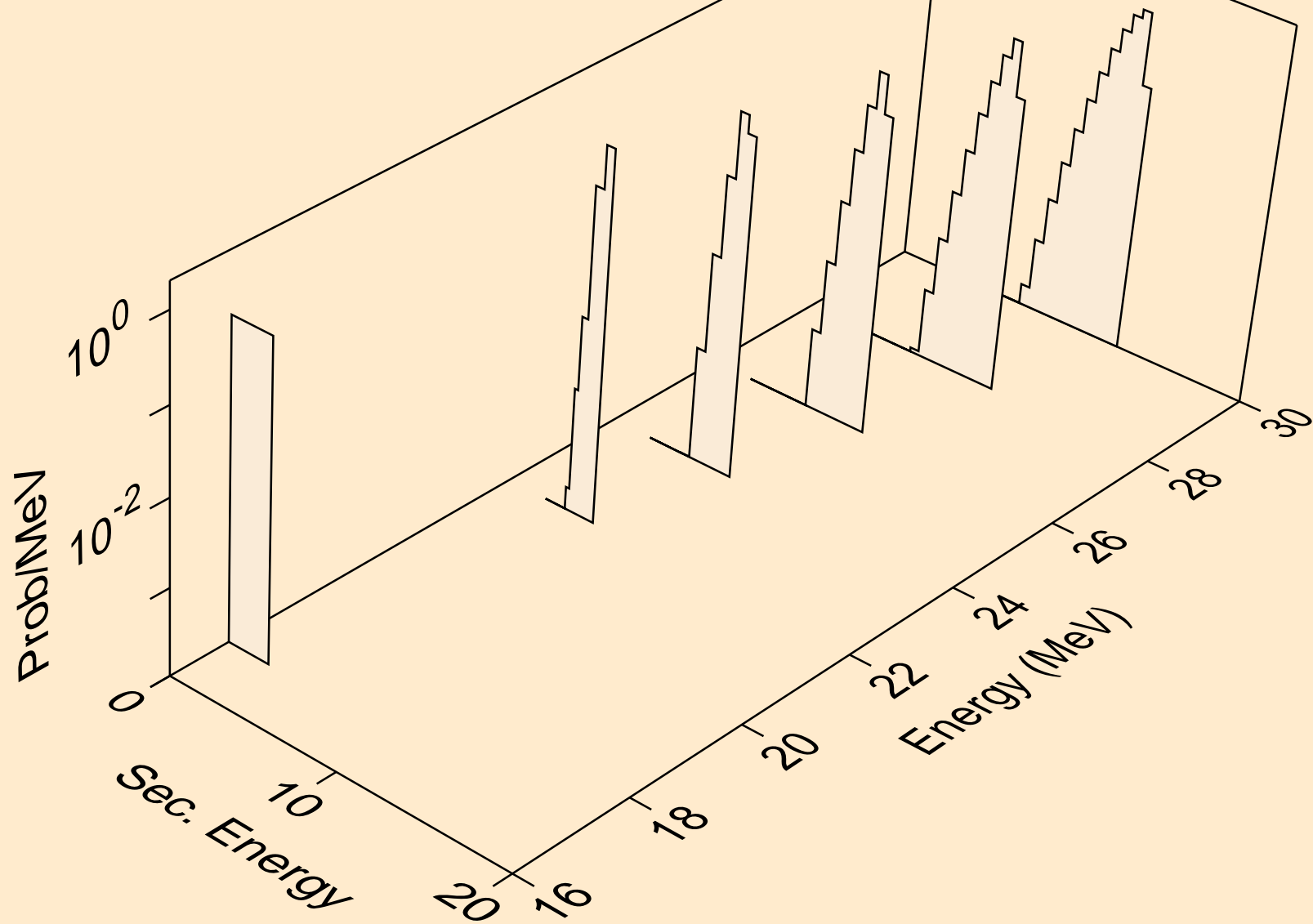
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,pt)



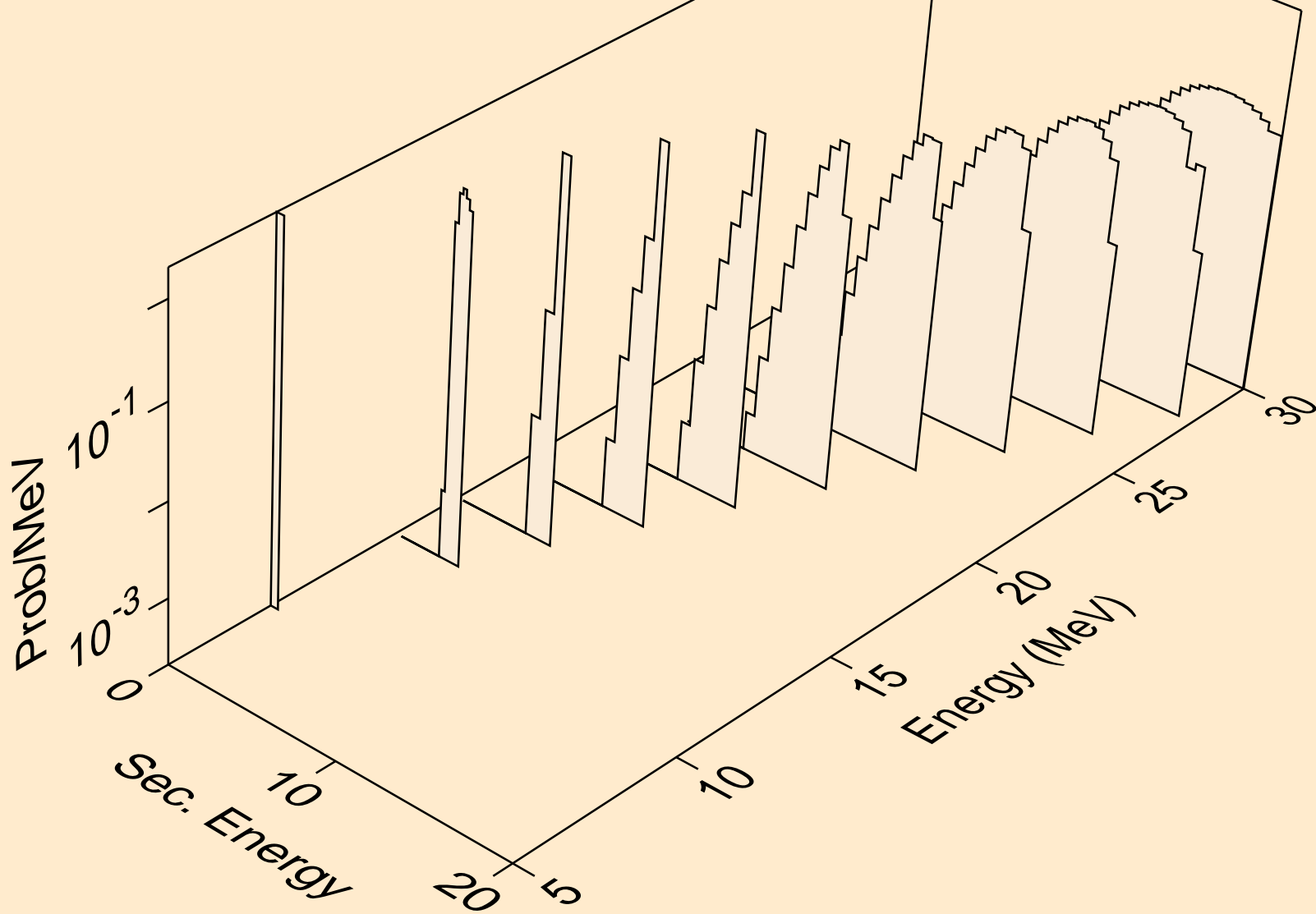
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)



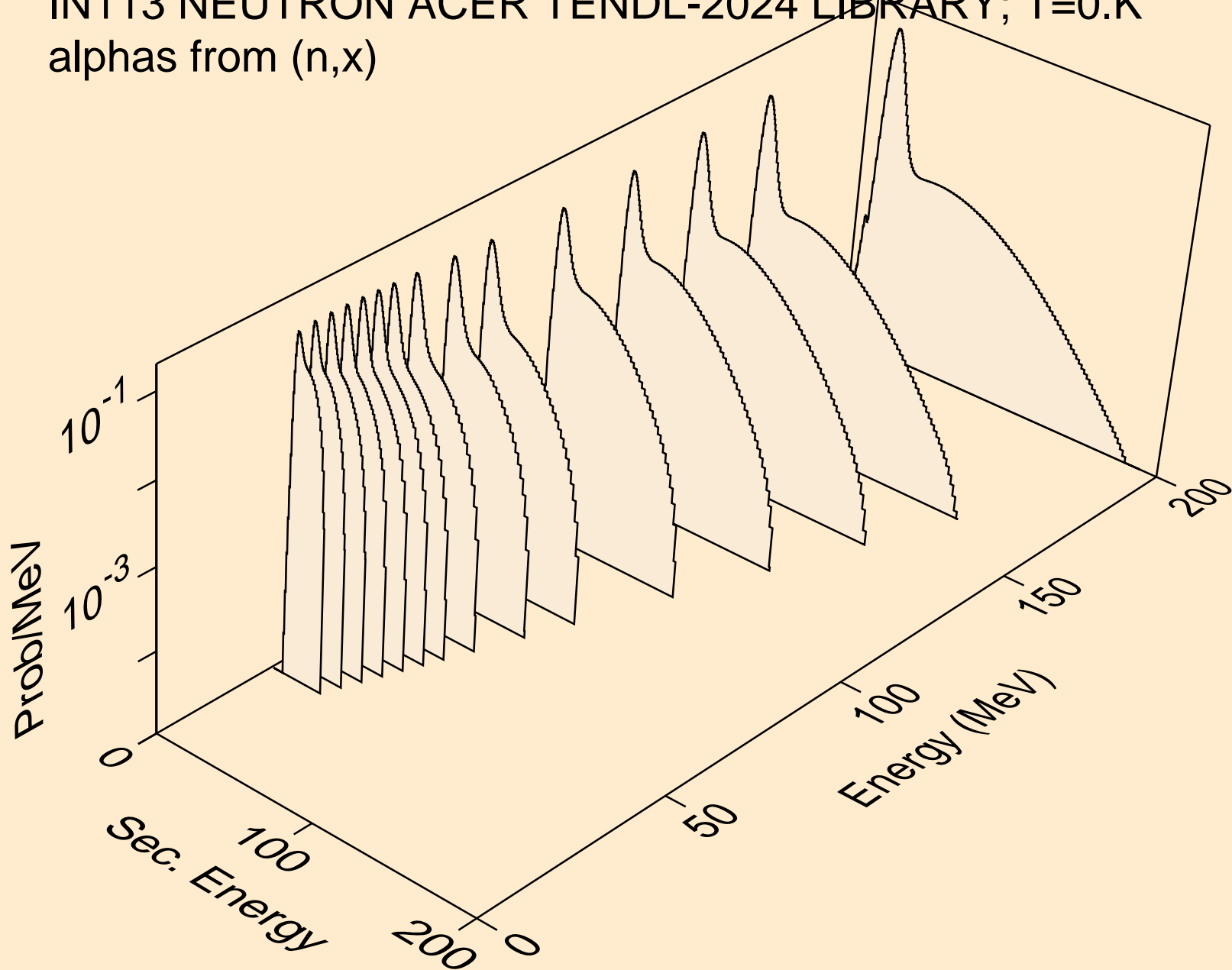
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3



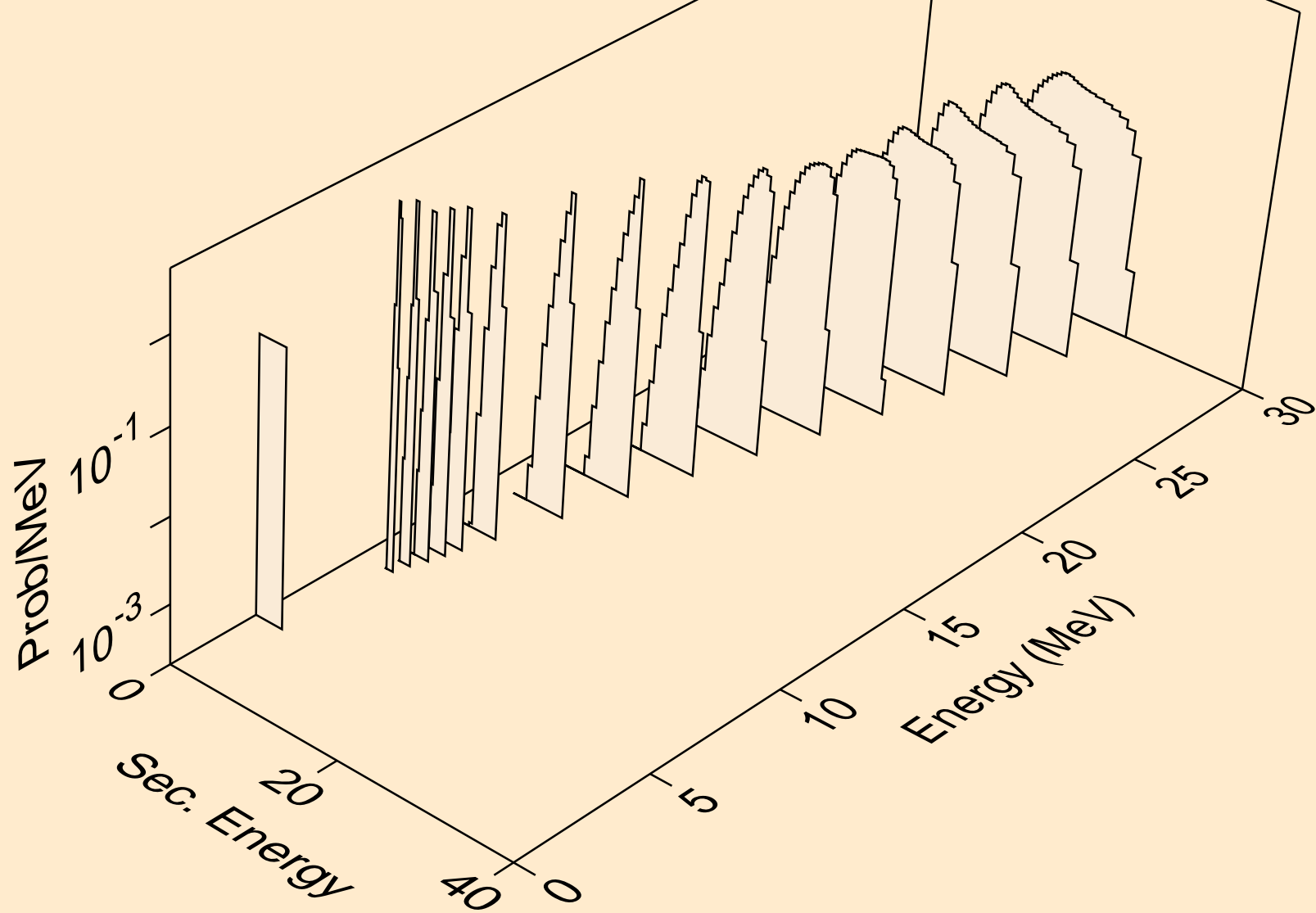
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)



IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)

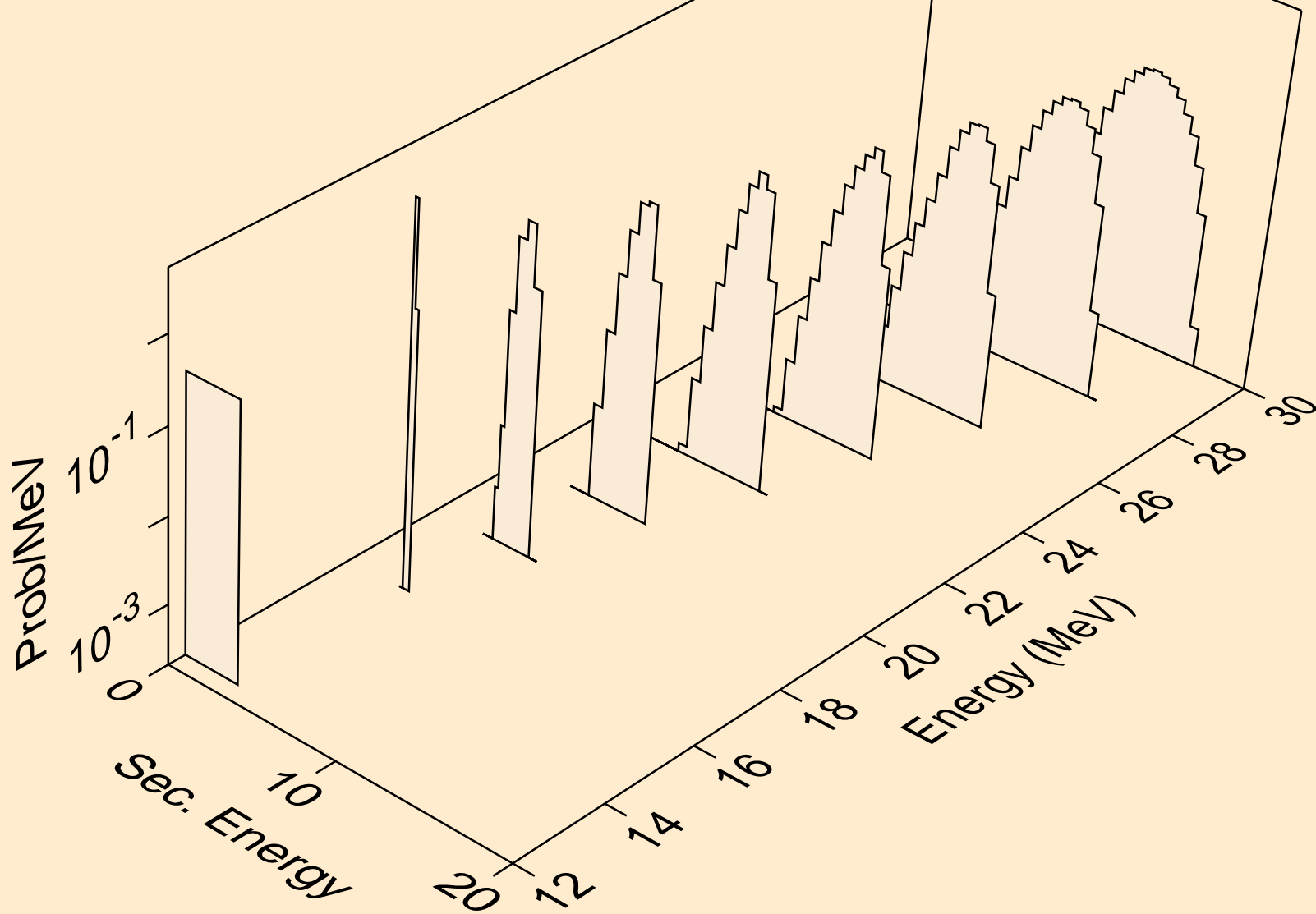


IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a

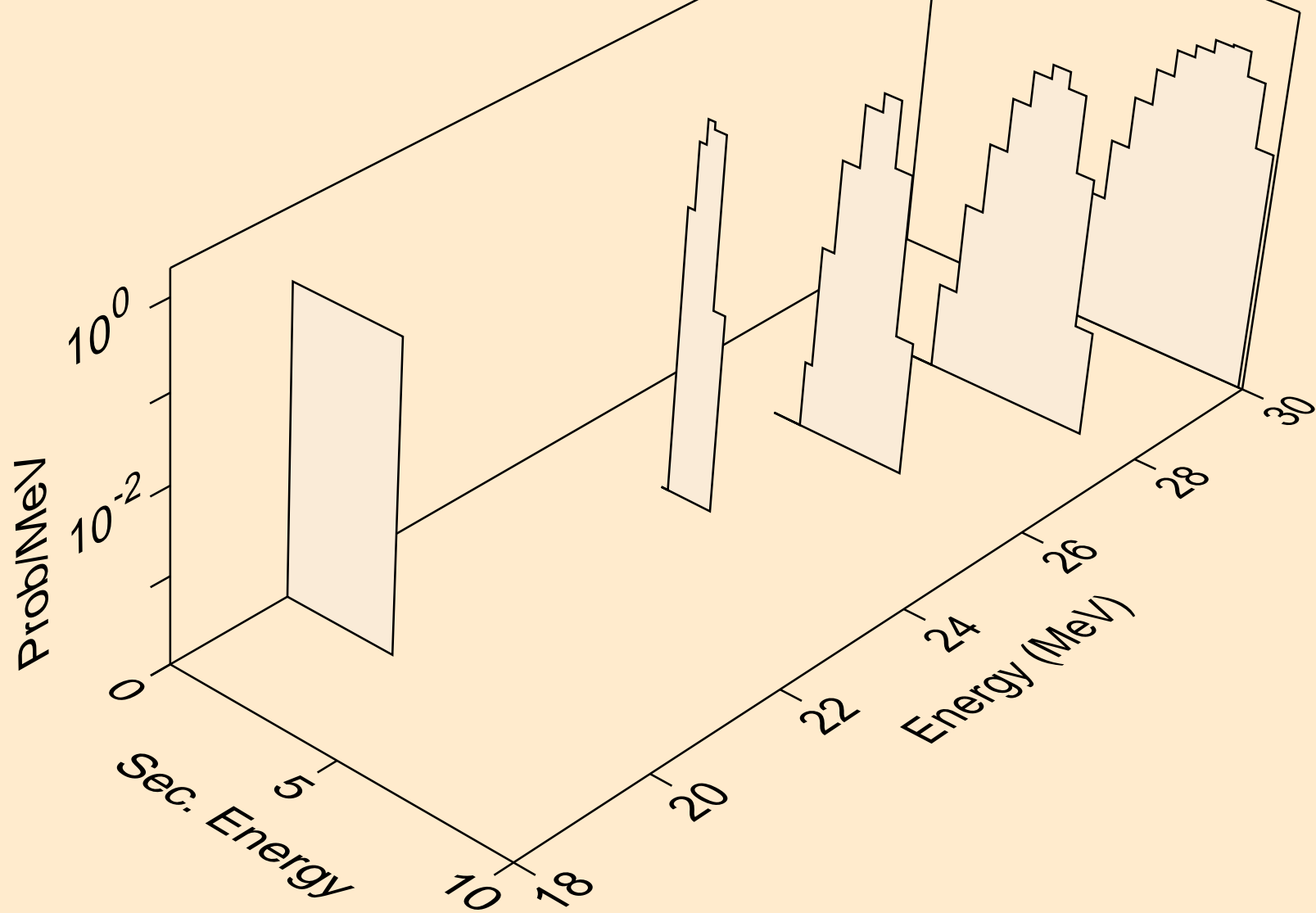




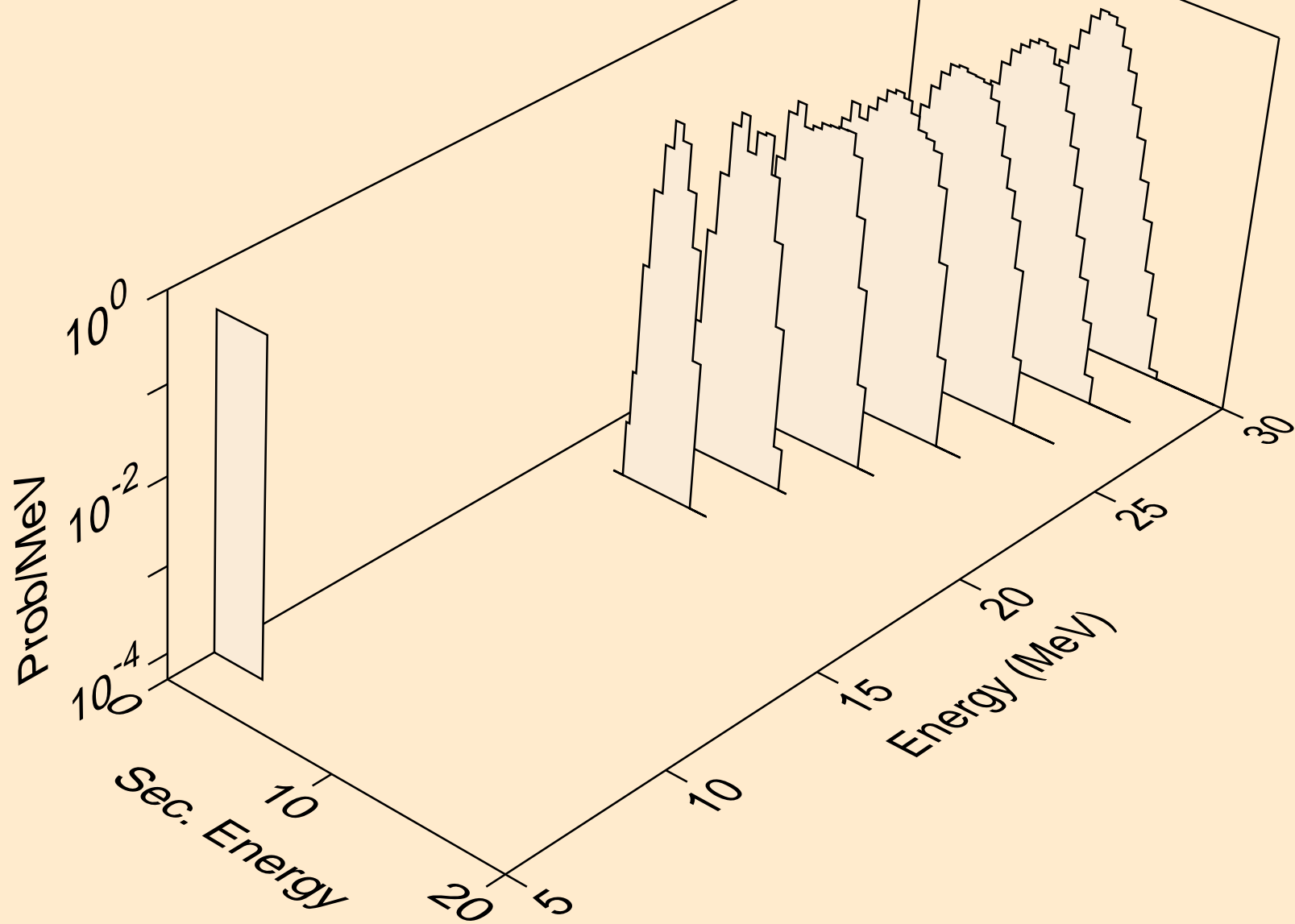
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



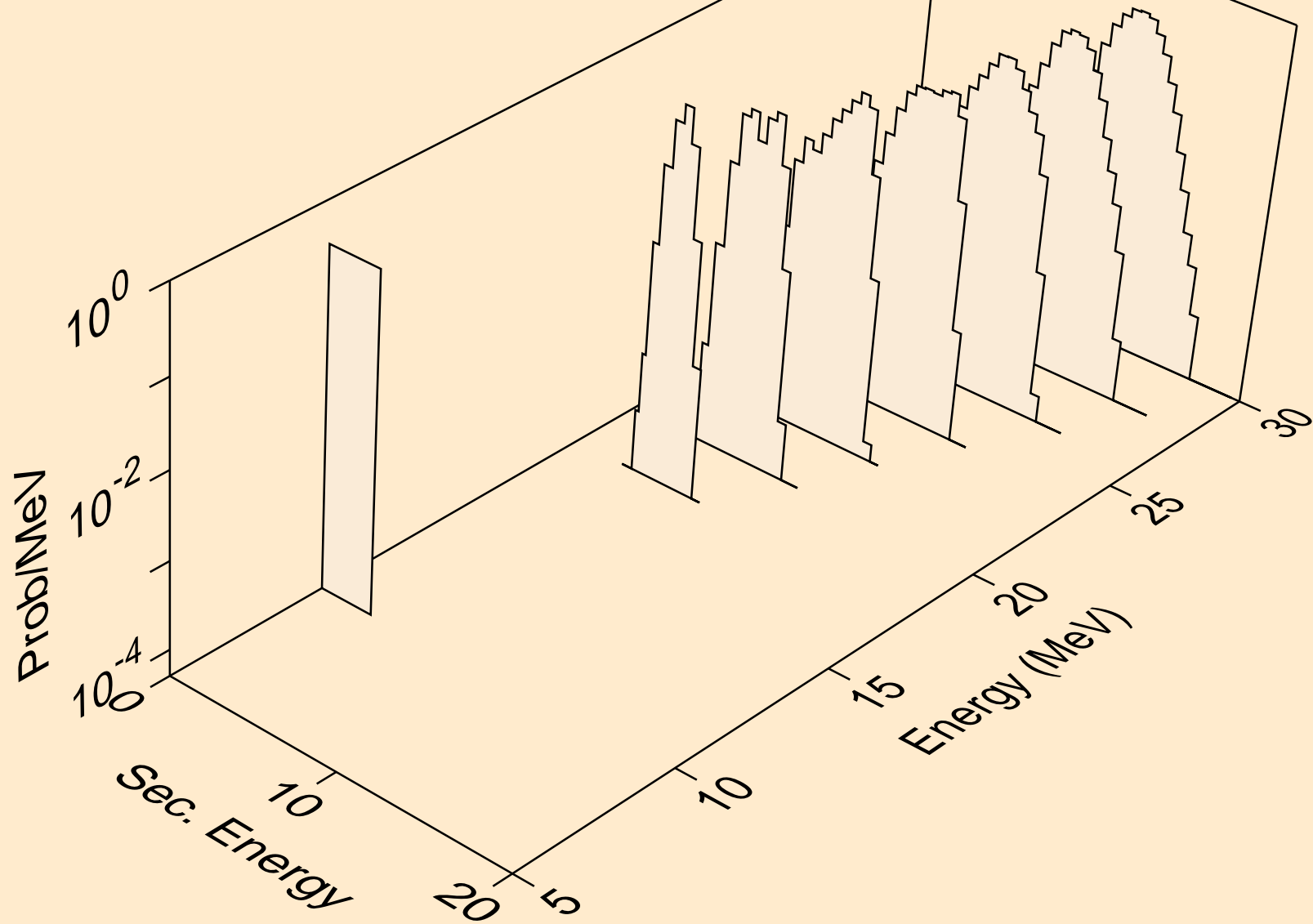
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a



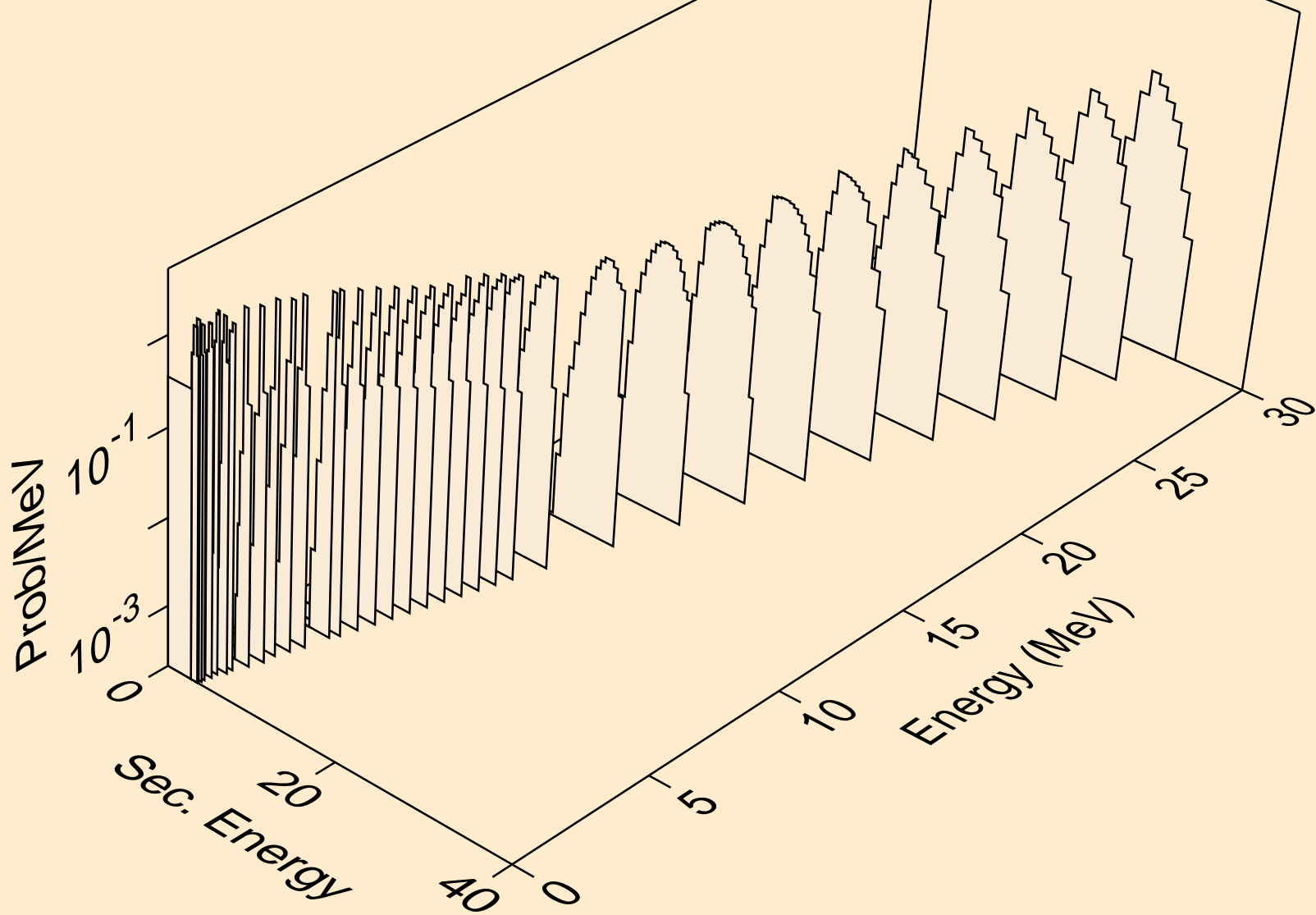
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)2a



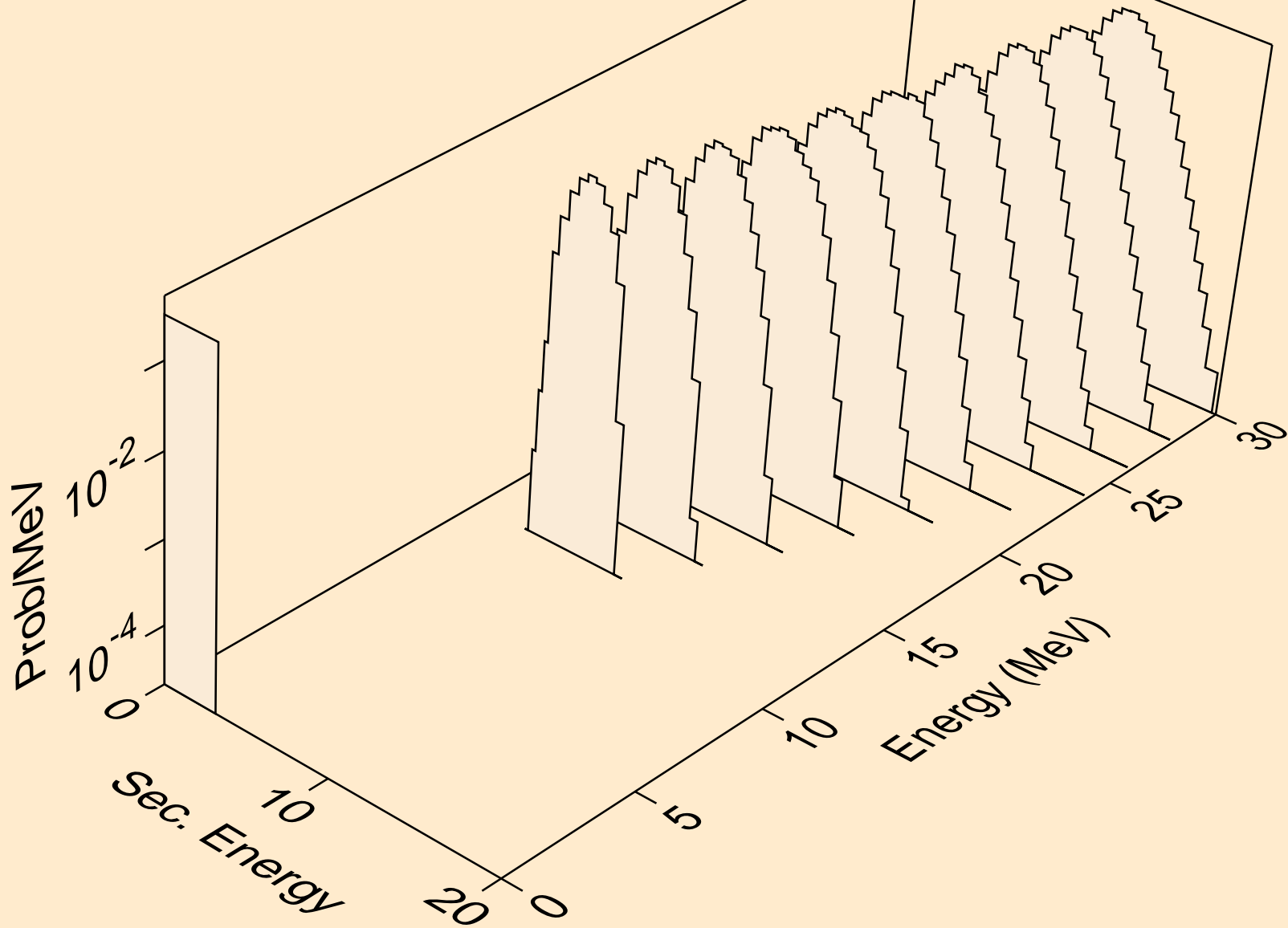
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)



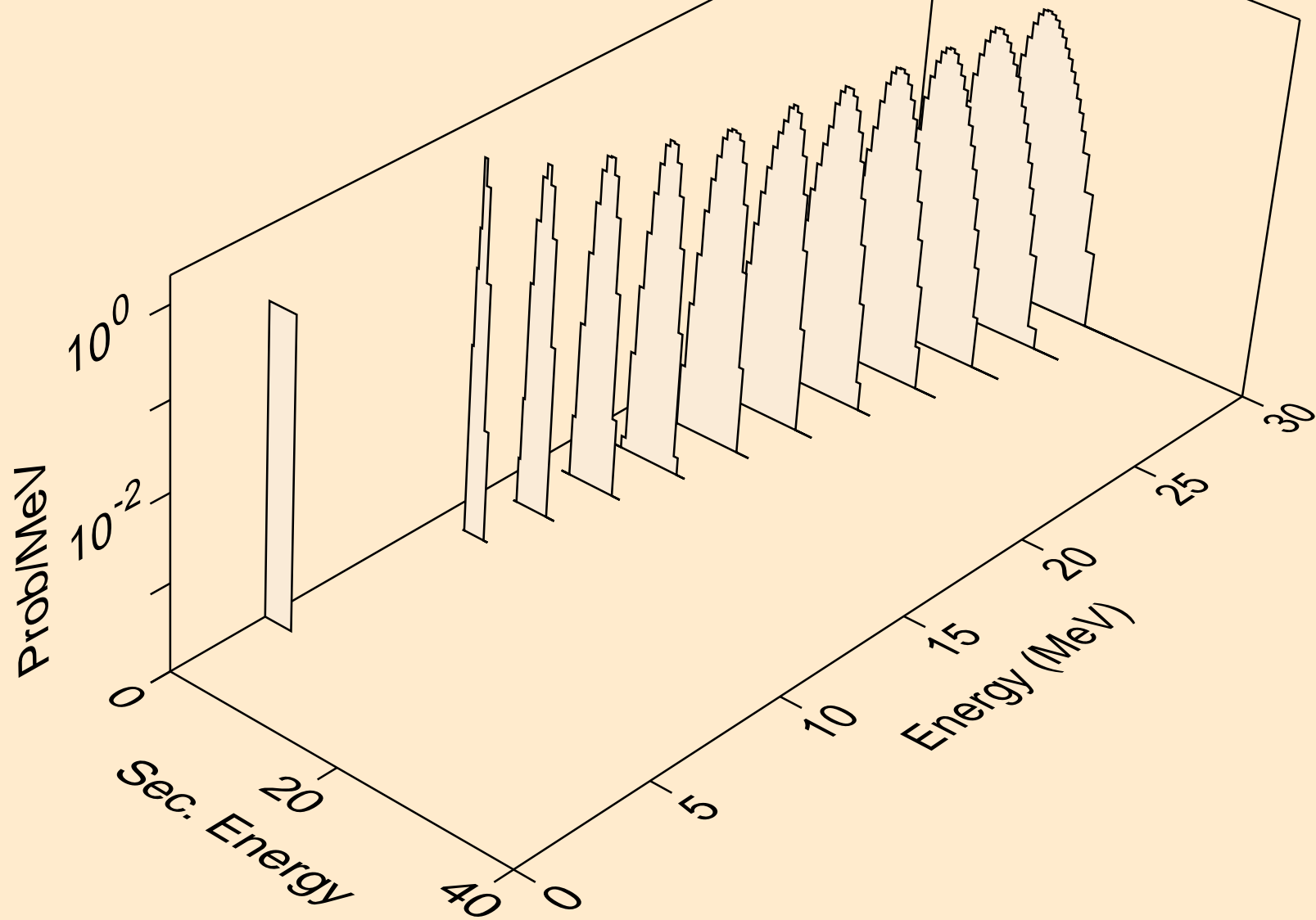
IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



IN113 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

