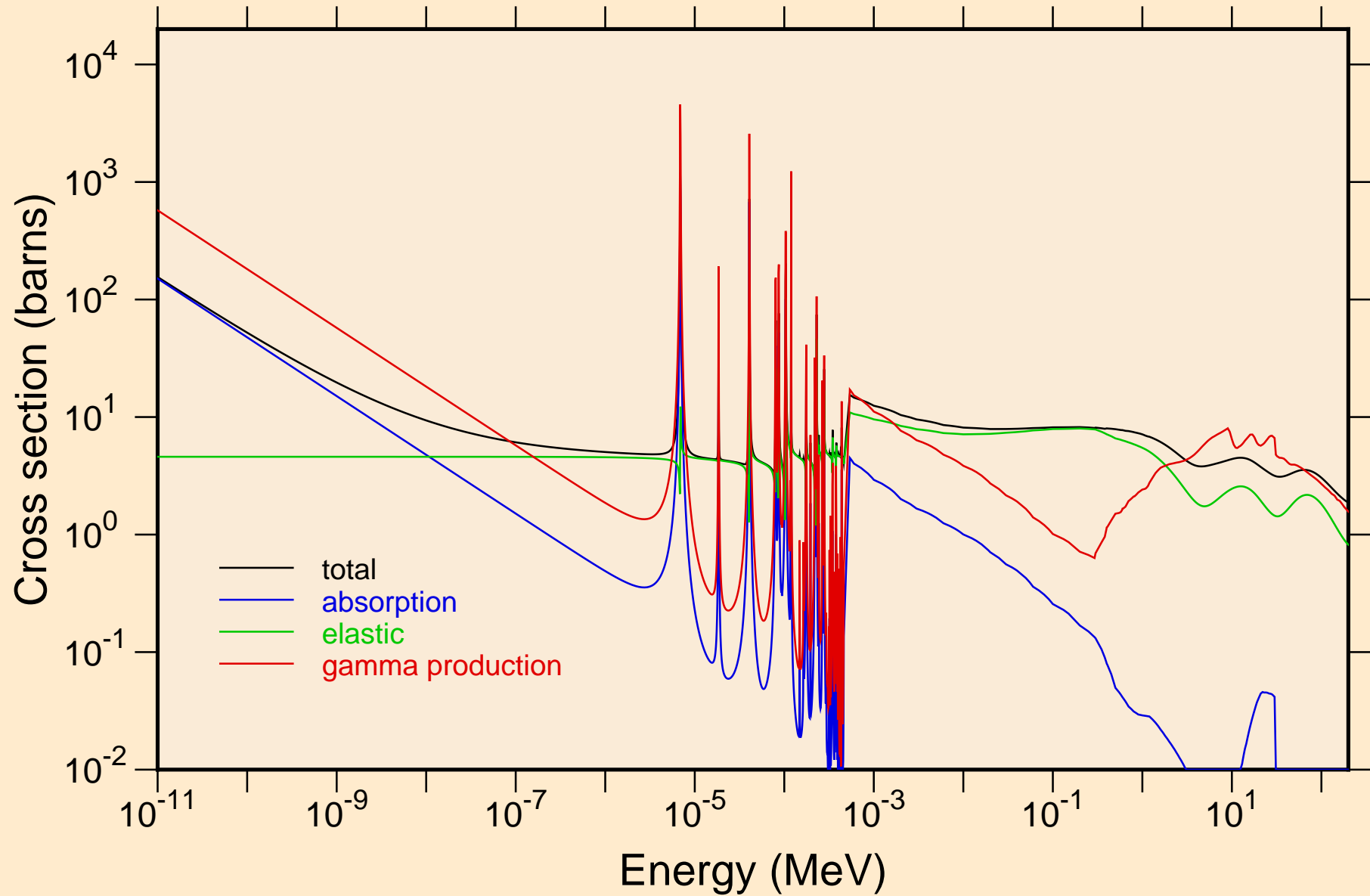
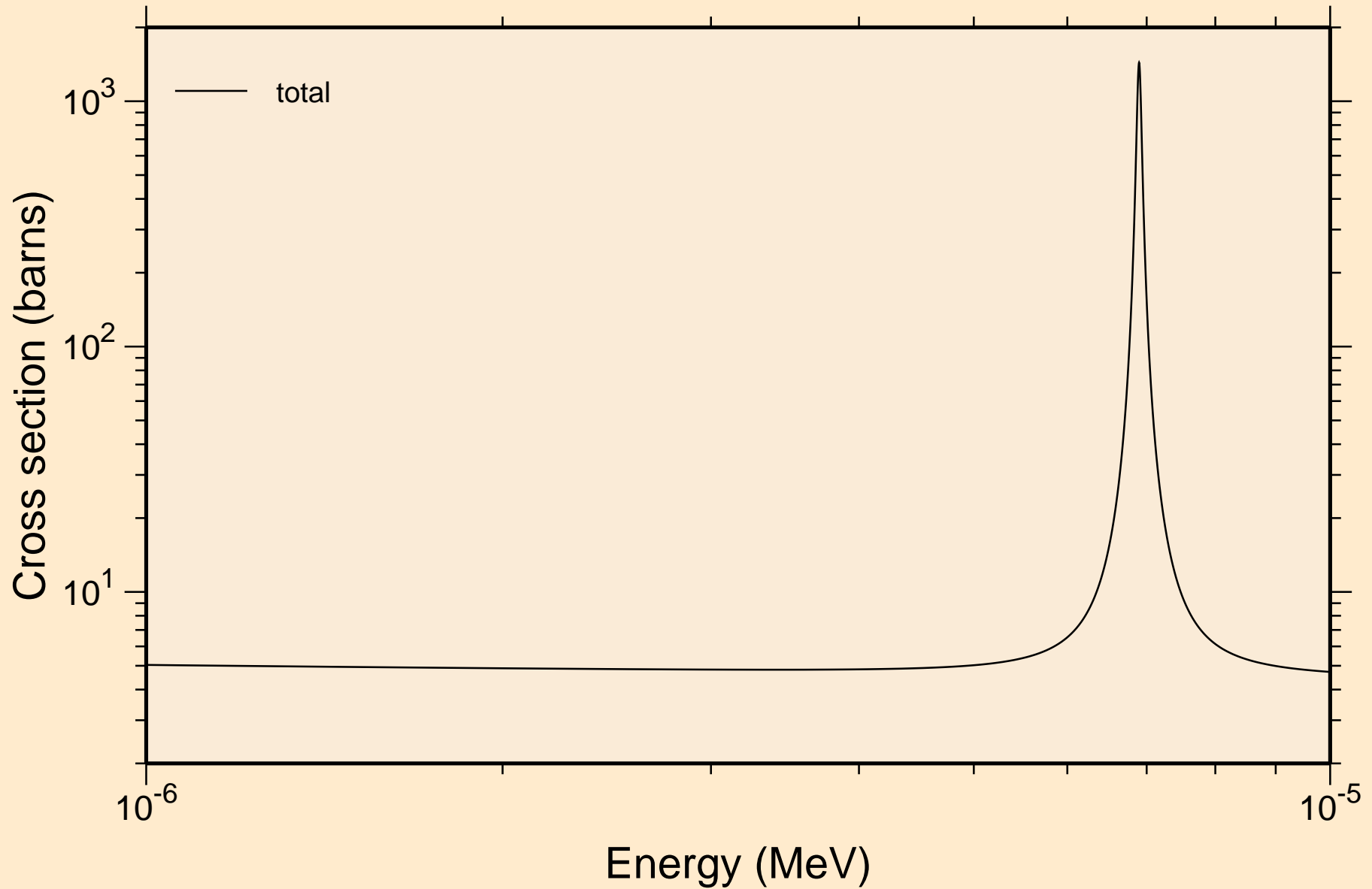


# AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

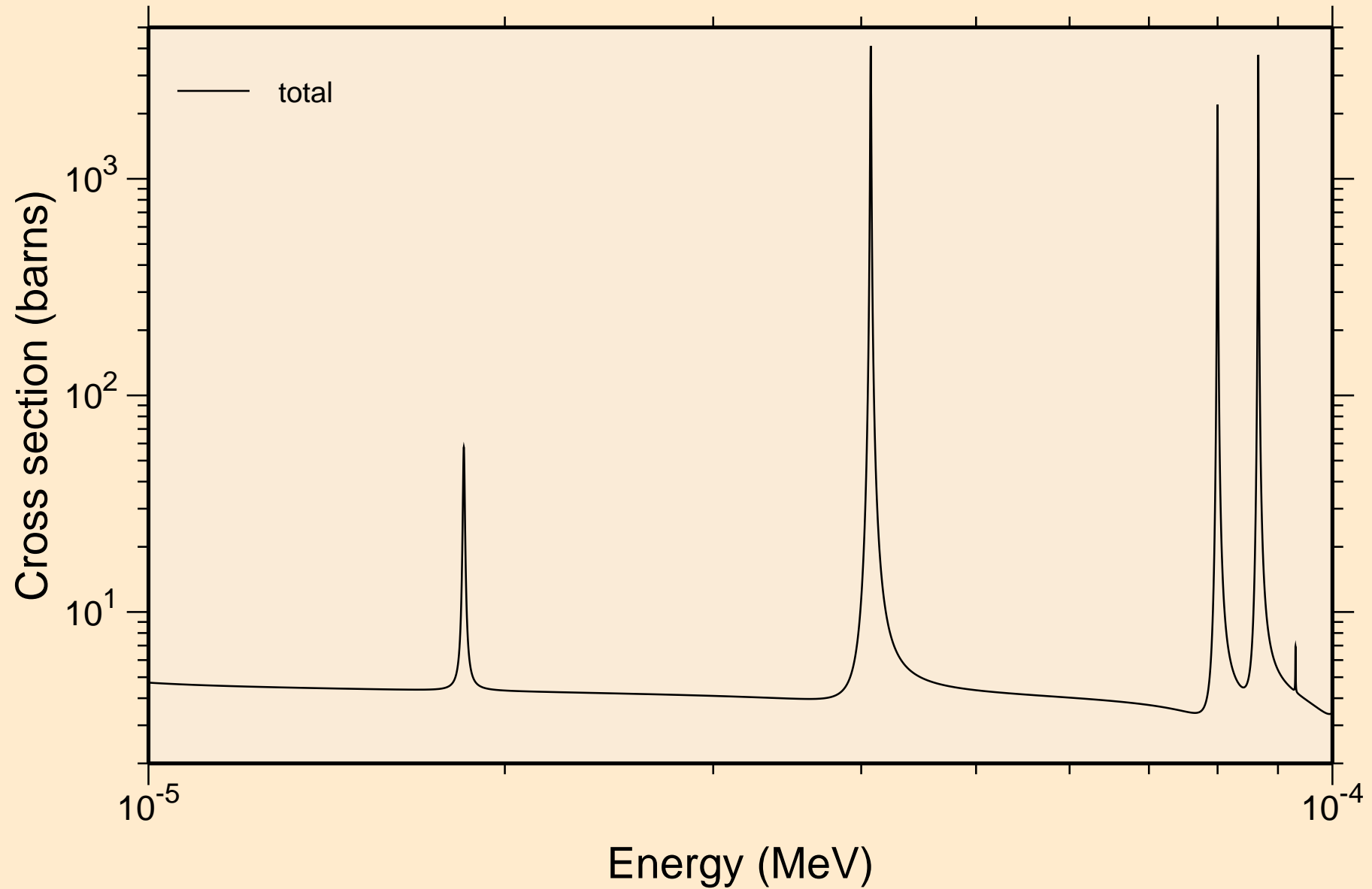
## Principal cross sections



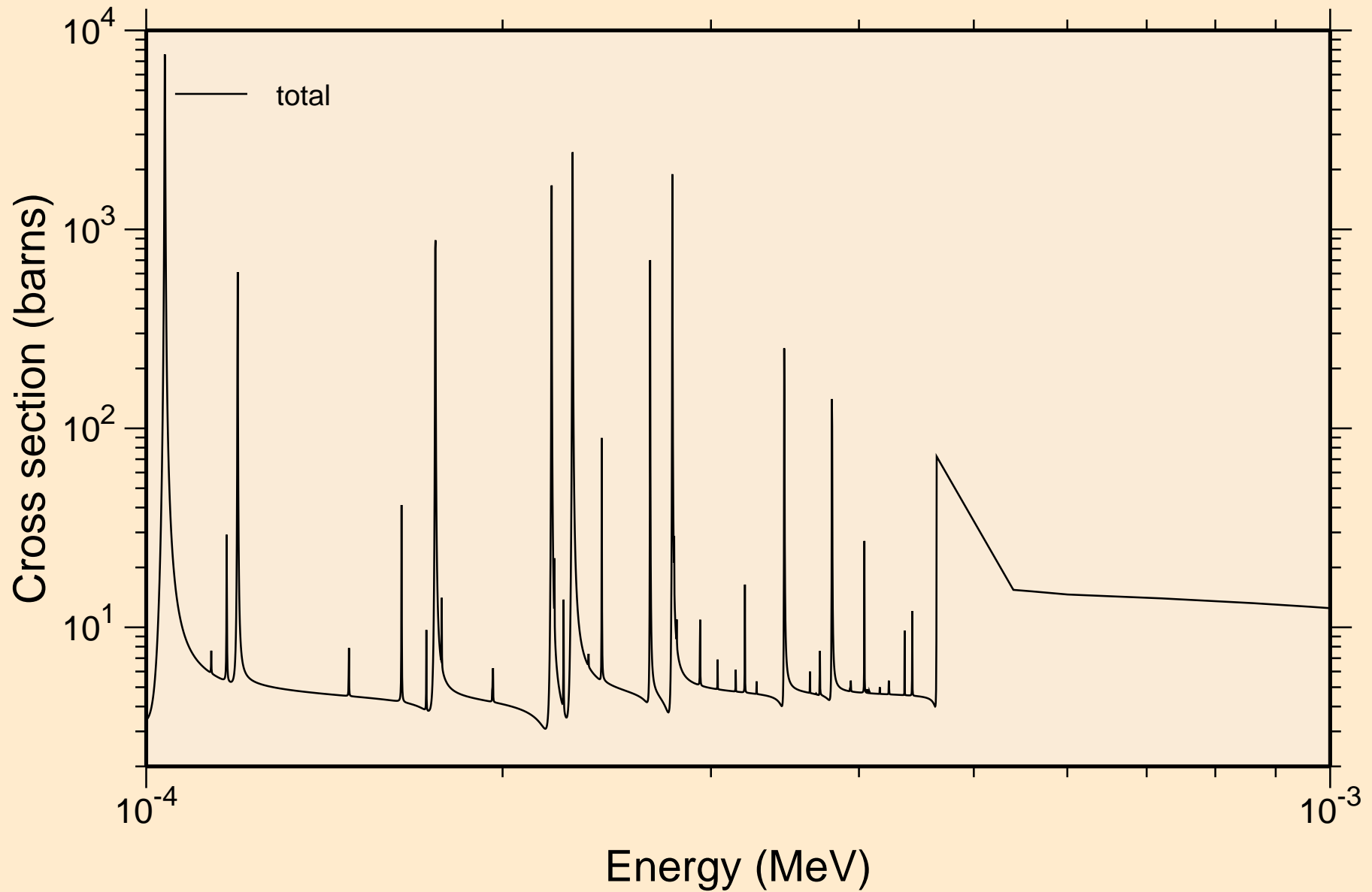
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



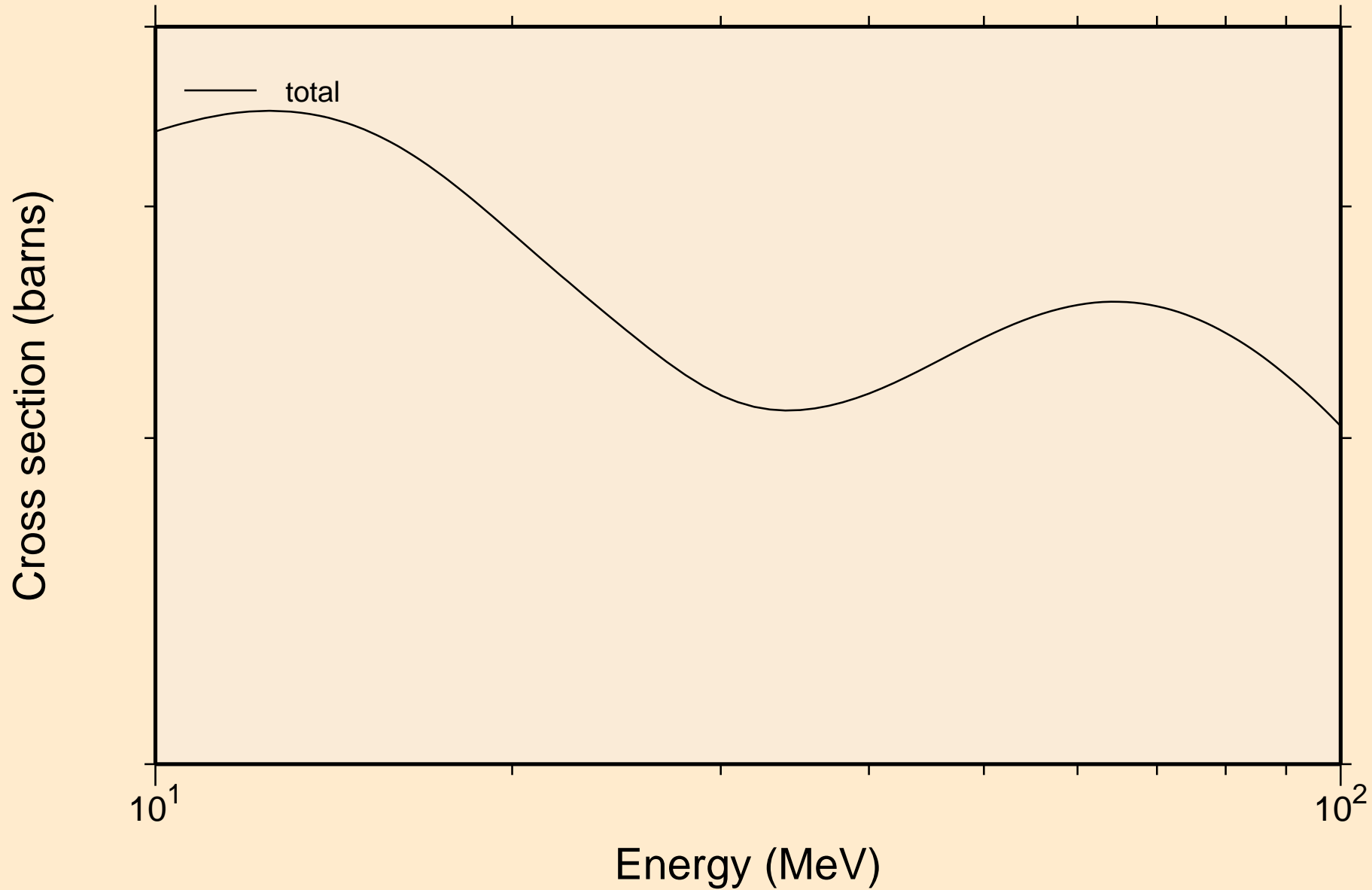
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



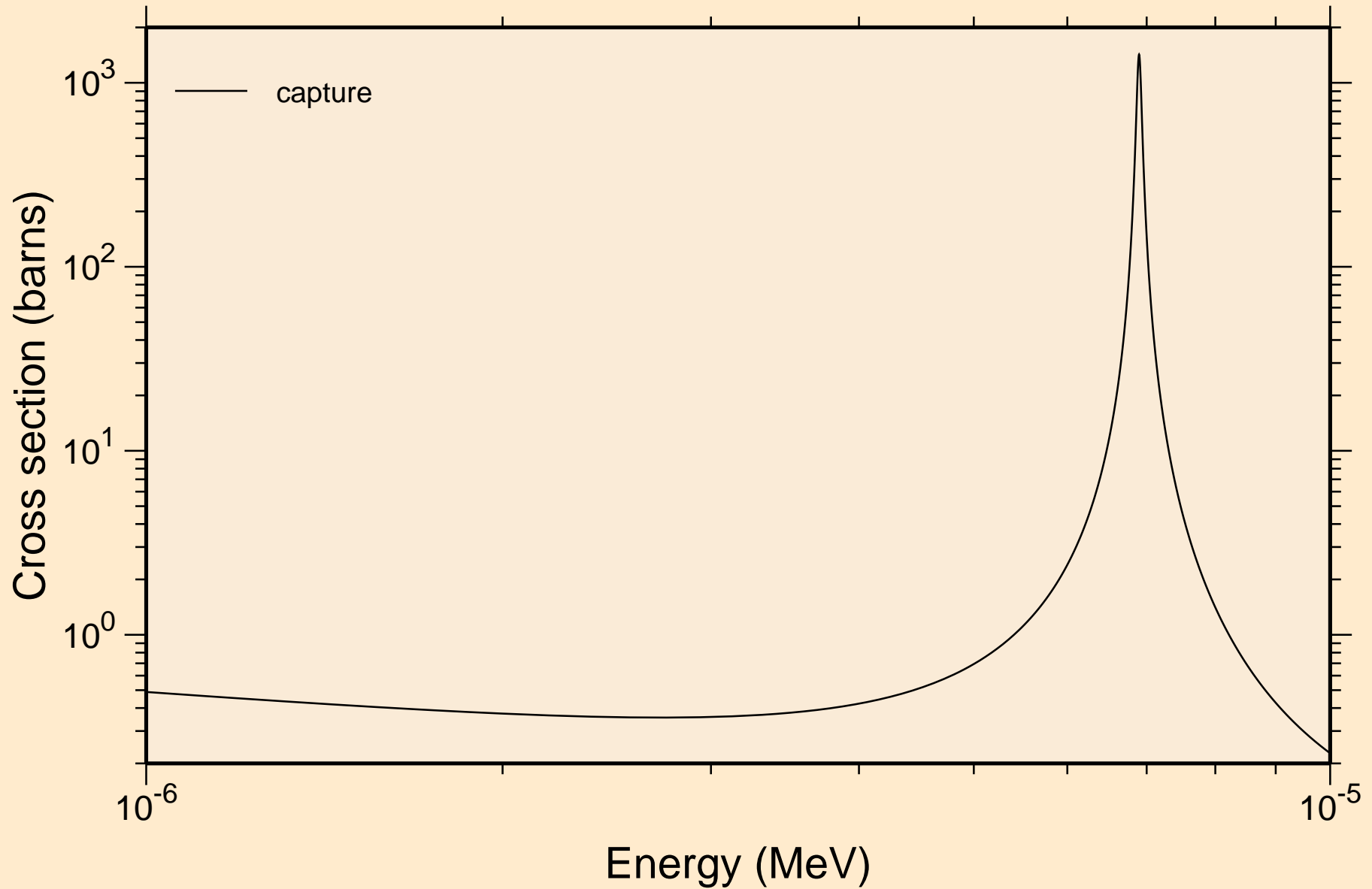
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



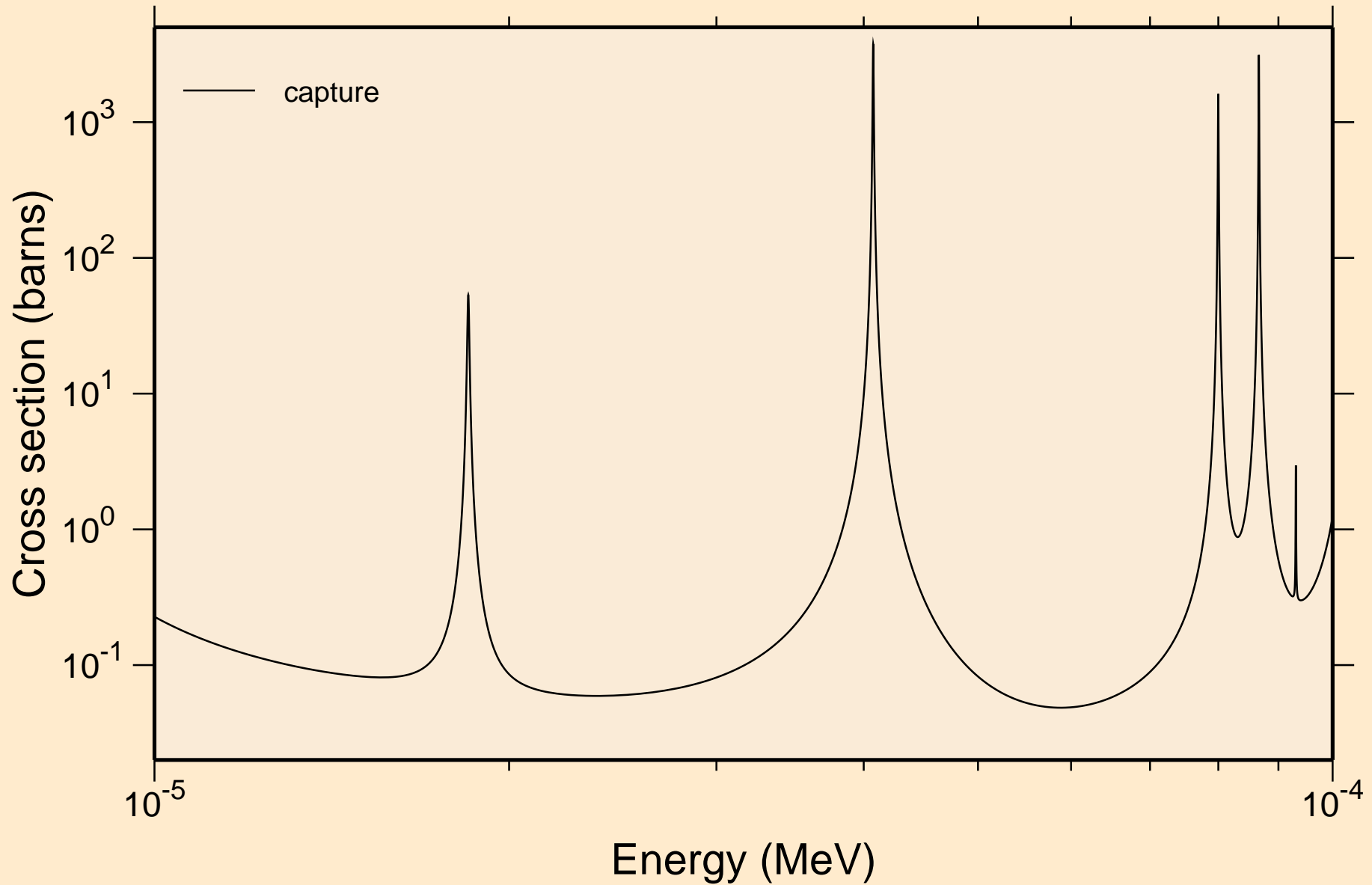
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



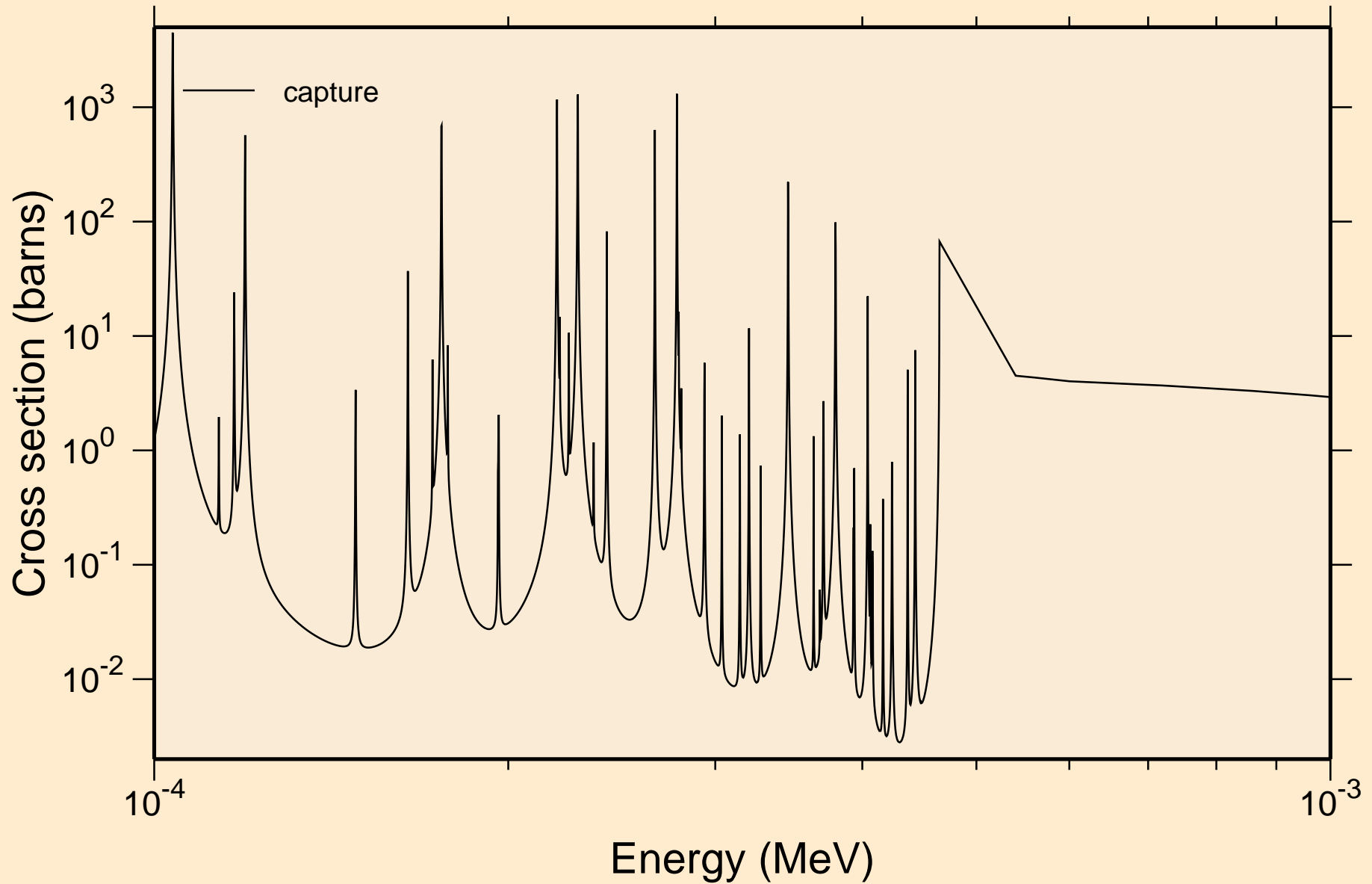
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

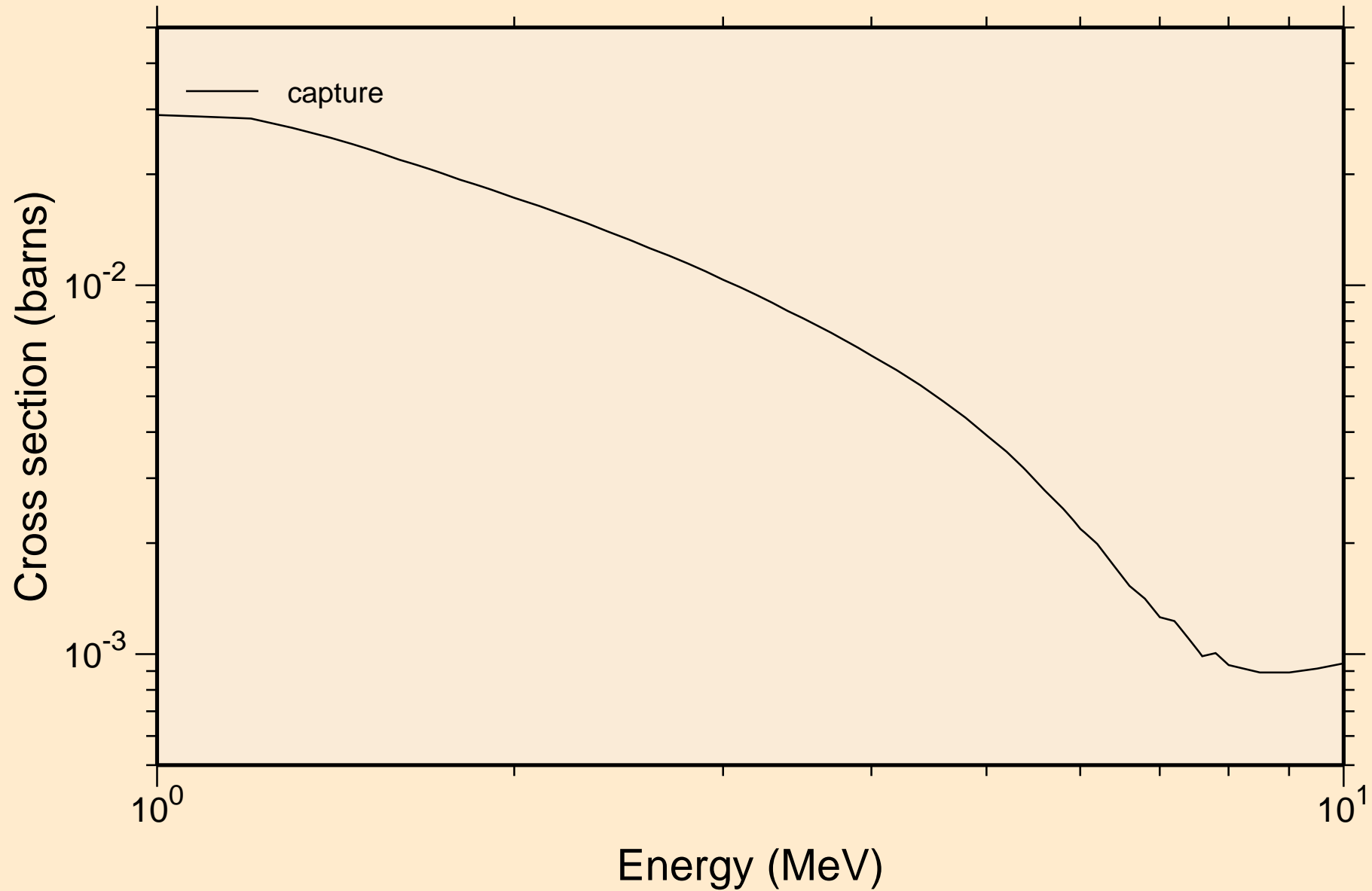


AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

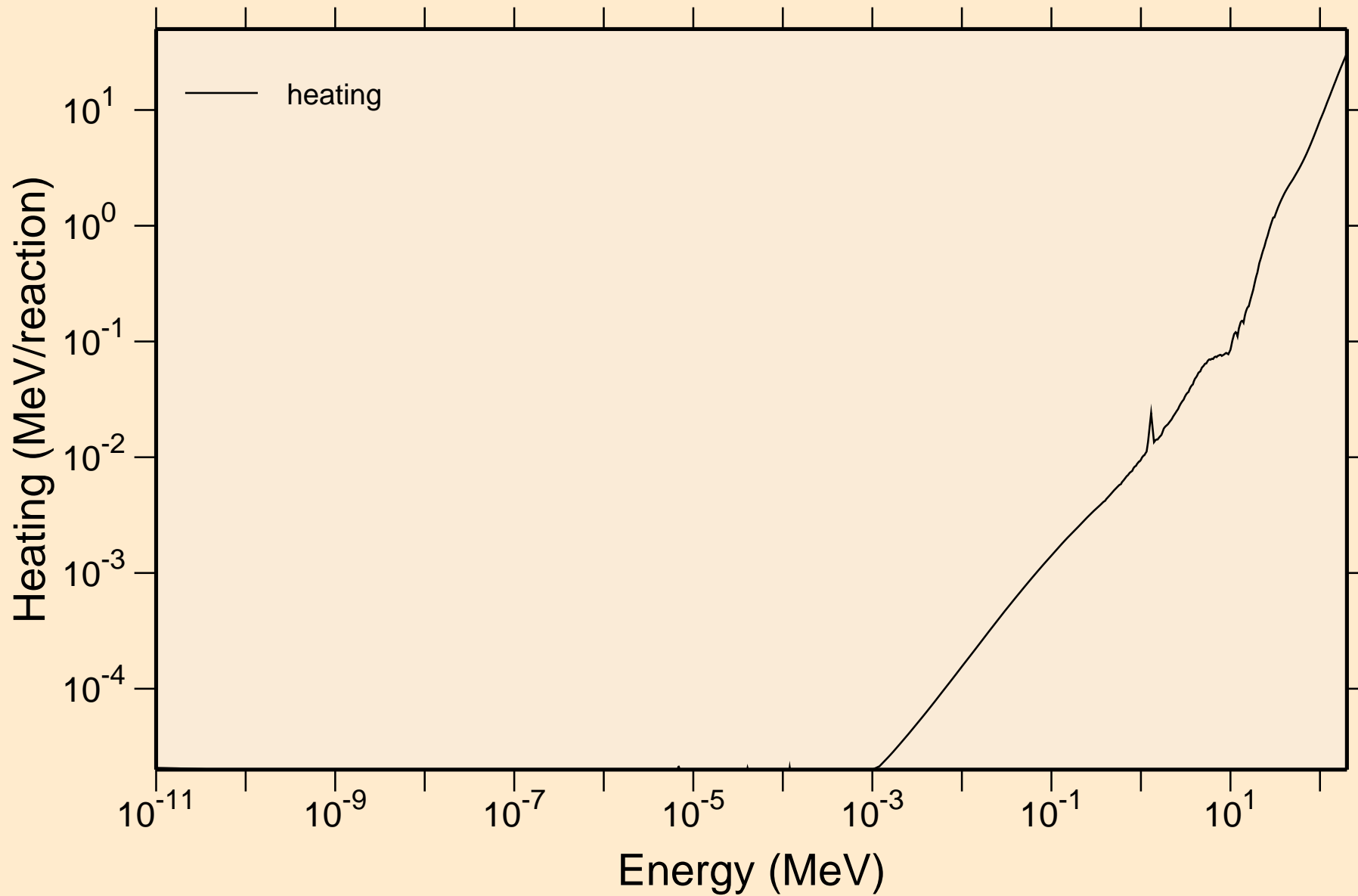




AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

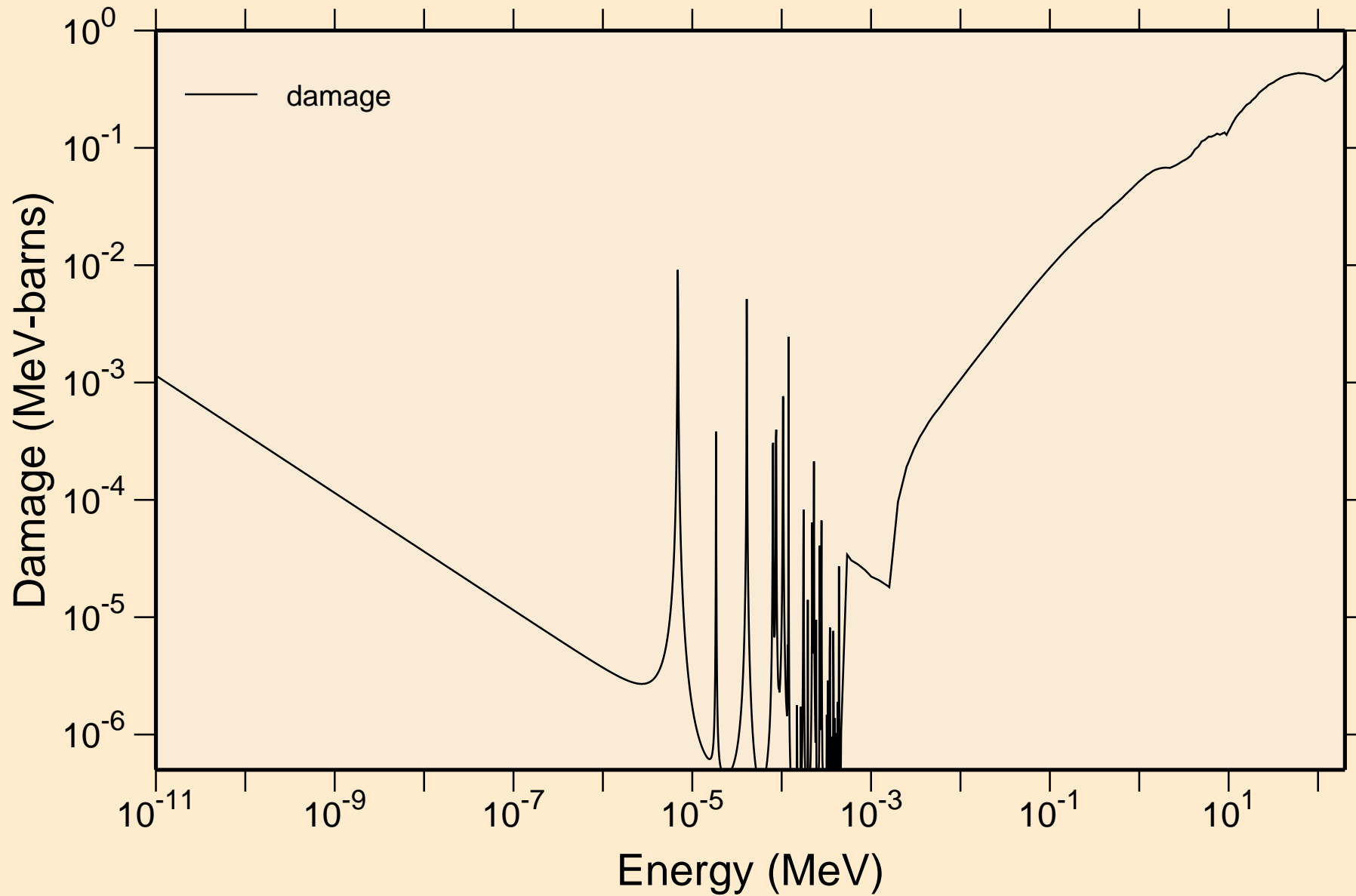


AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Heating



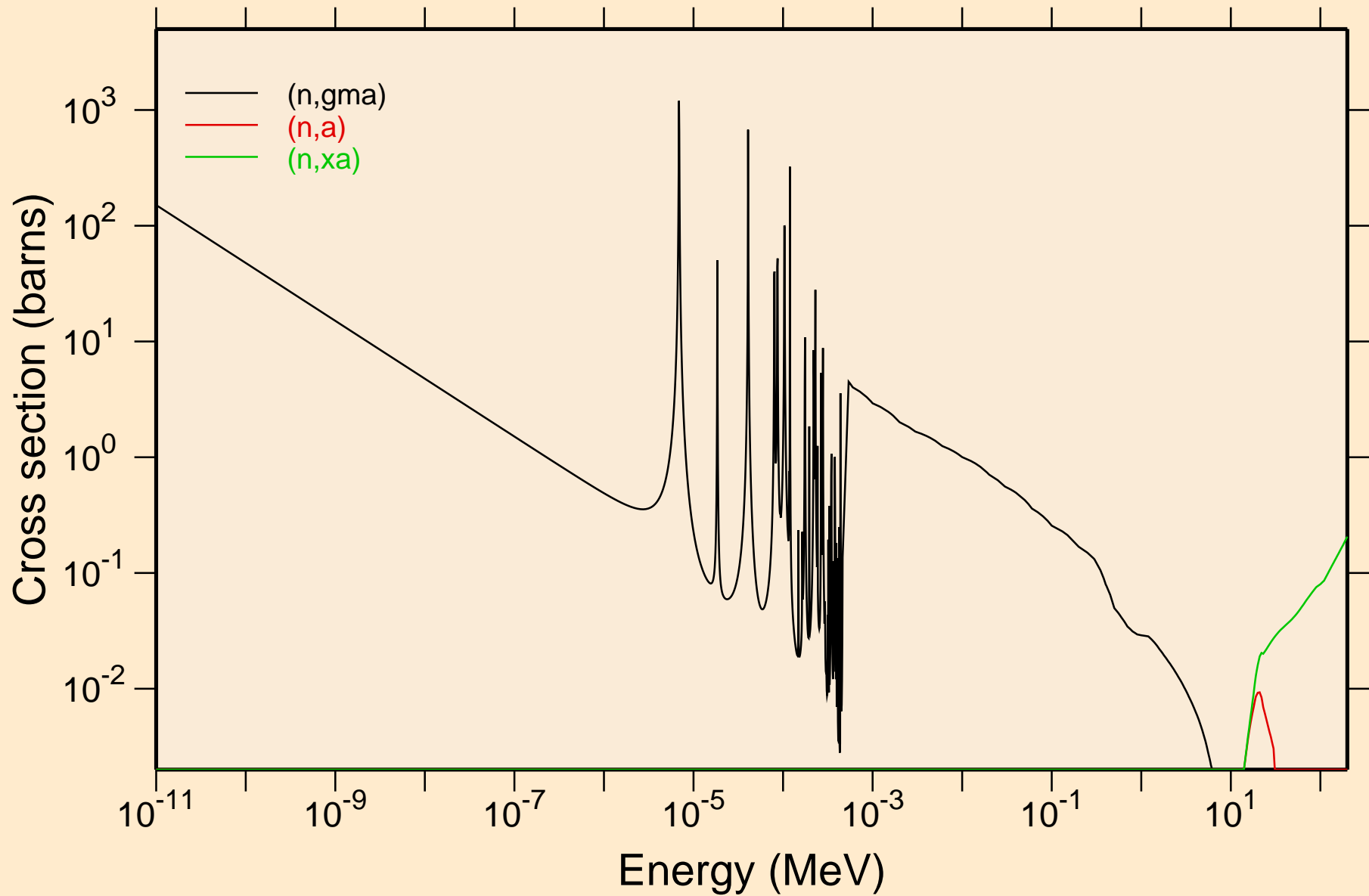
# AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage



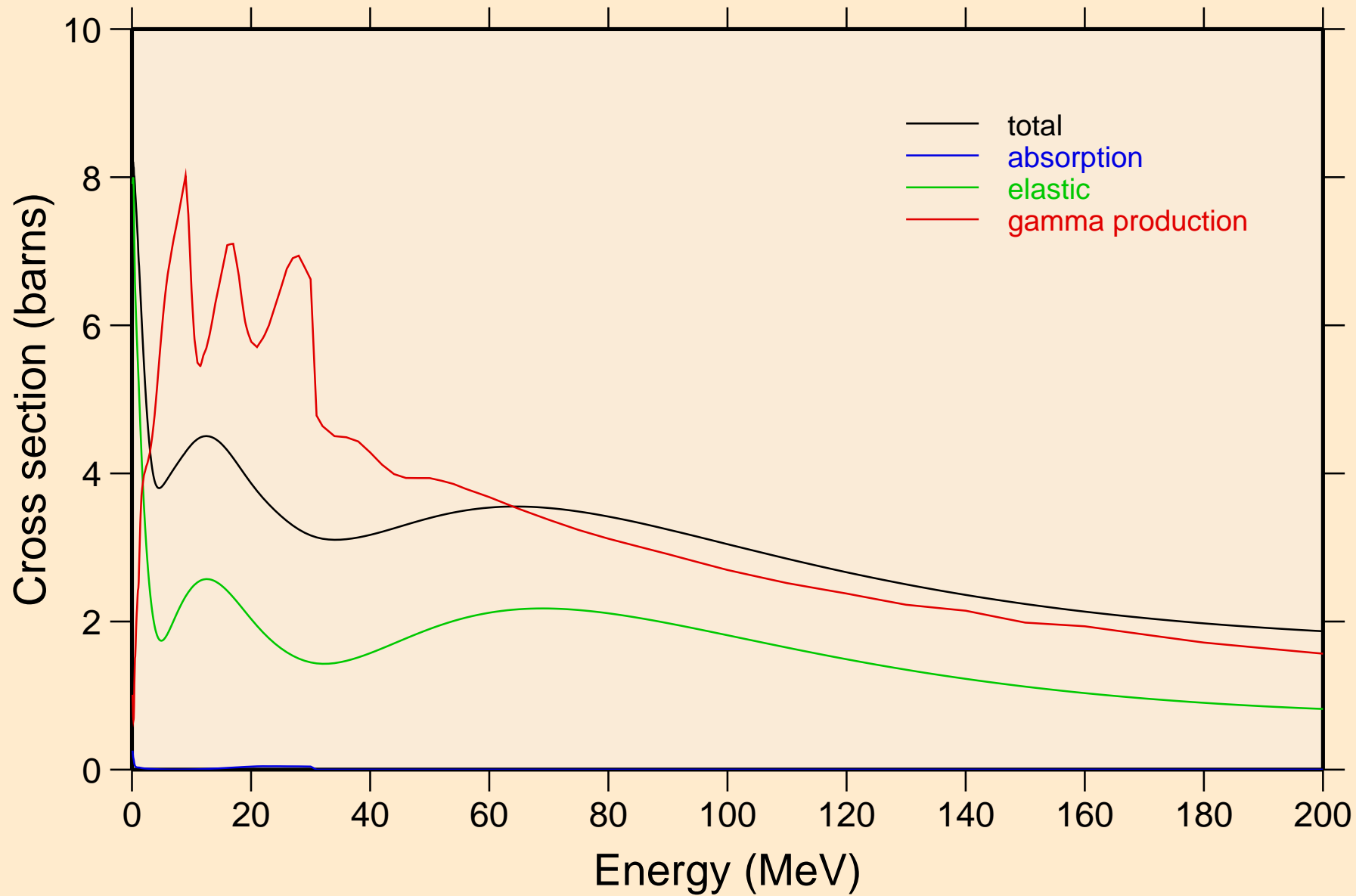
# AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



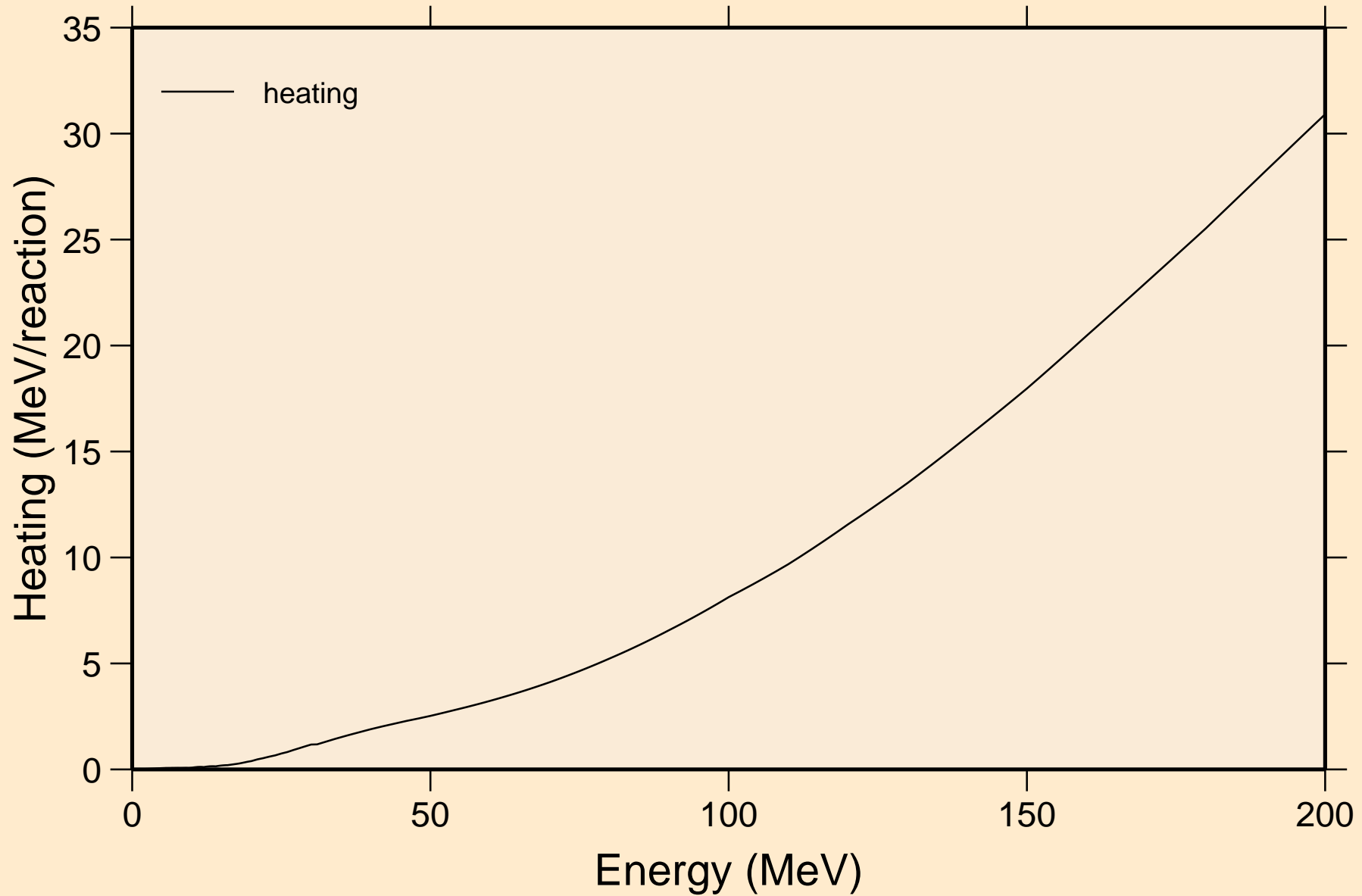
# AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections

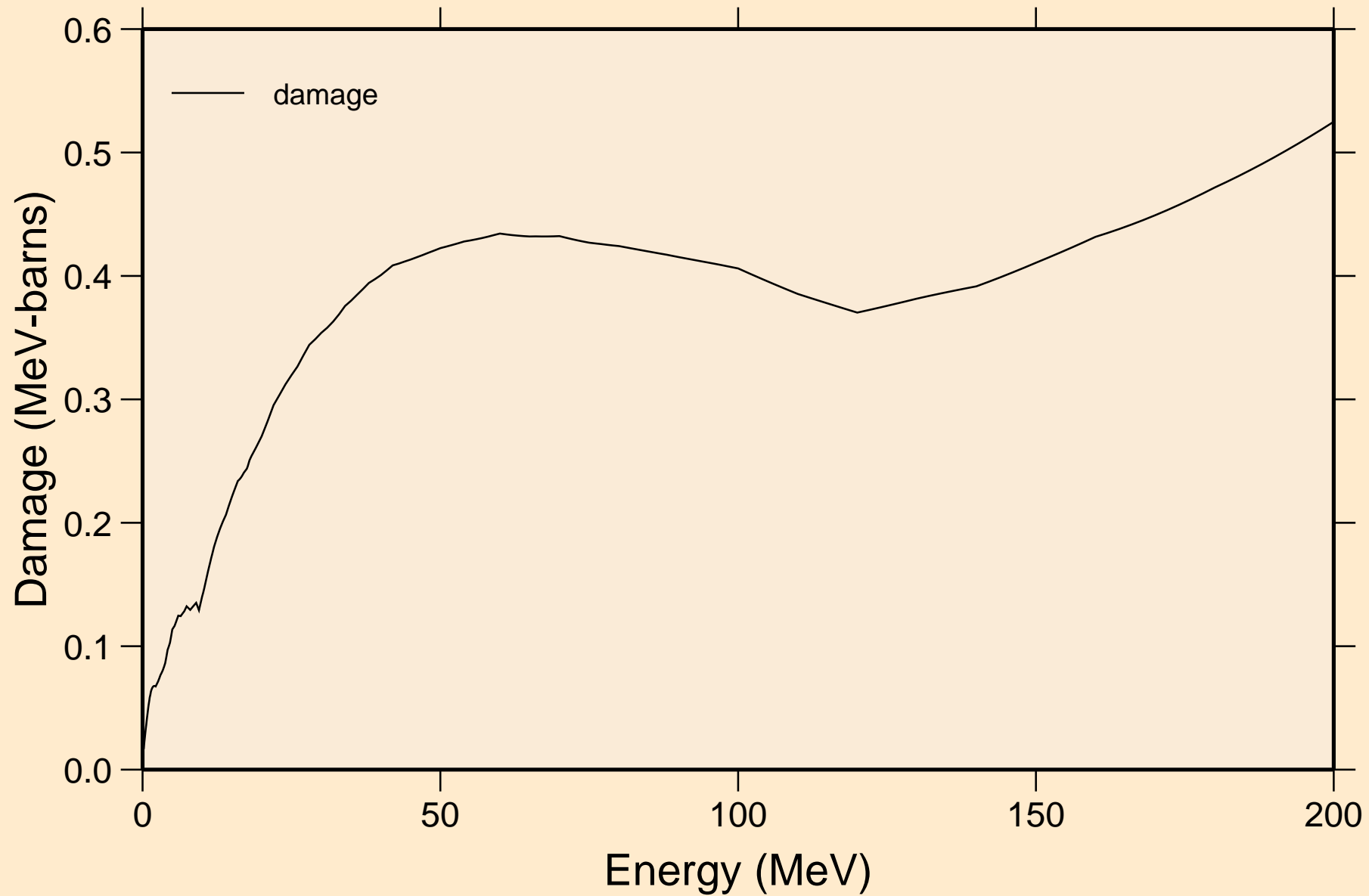


# AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

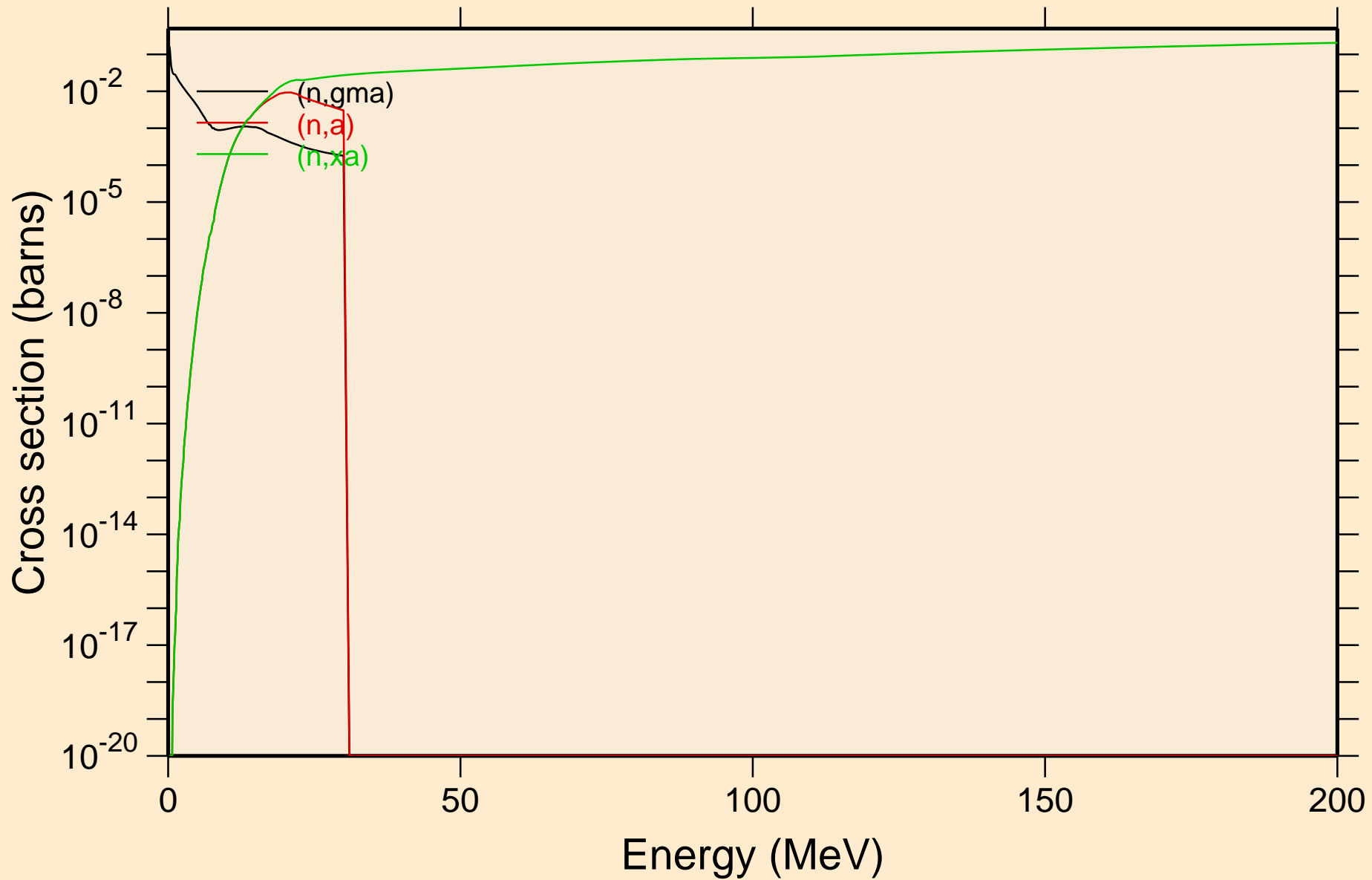


AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage



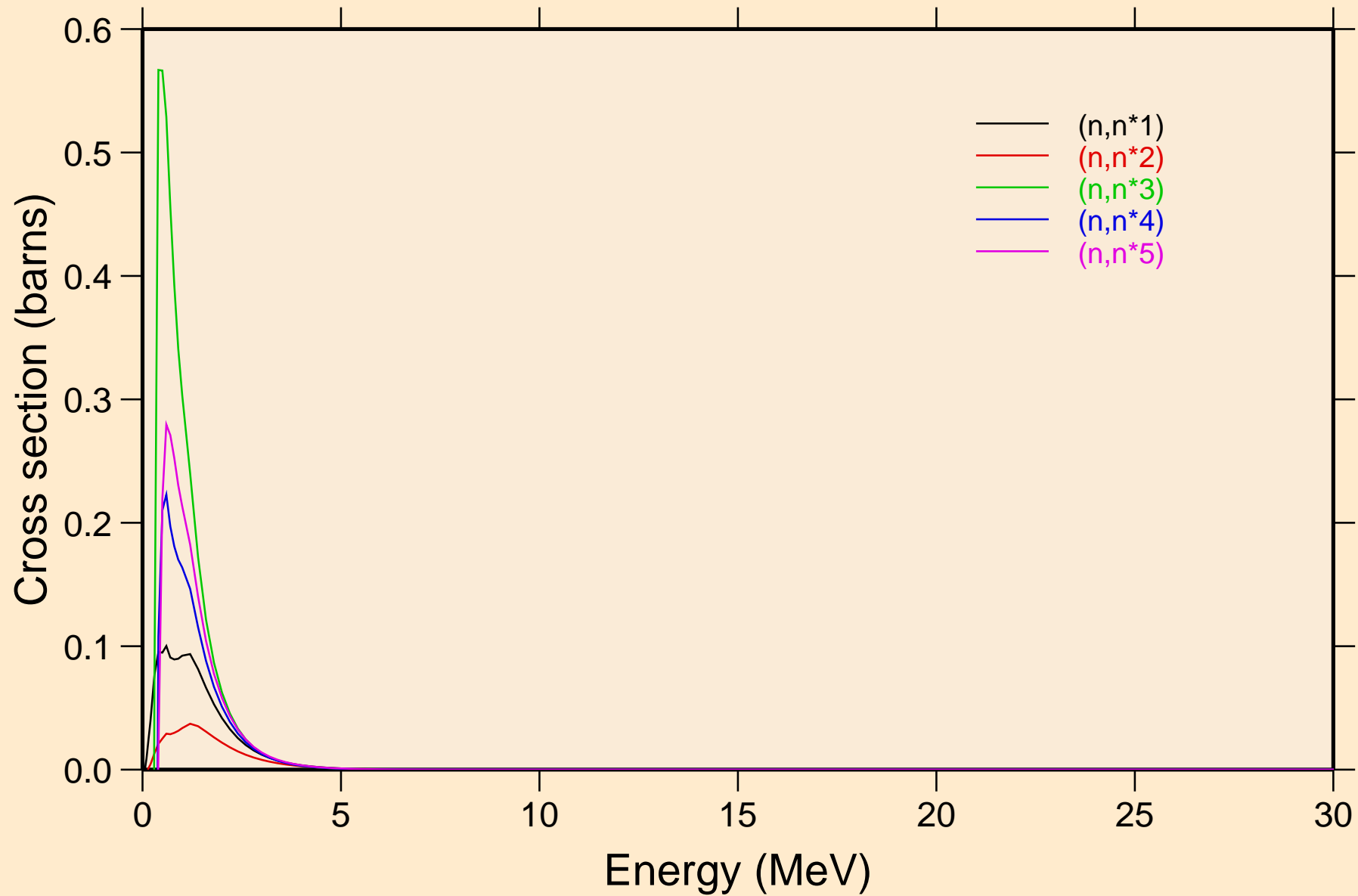
# AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



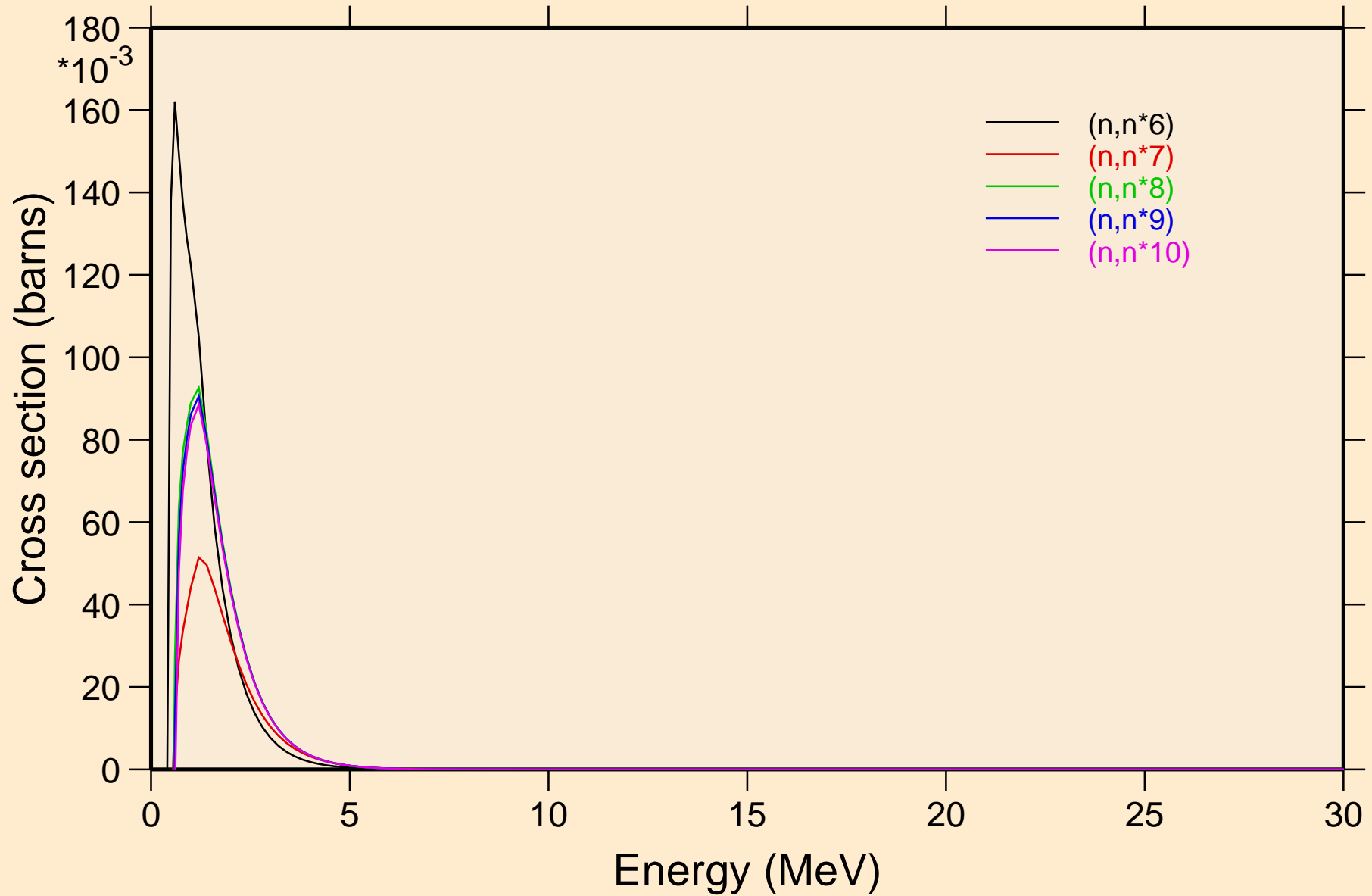


AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



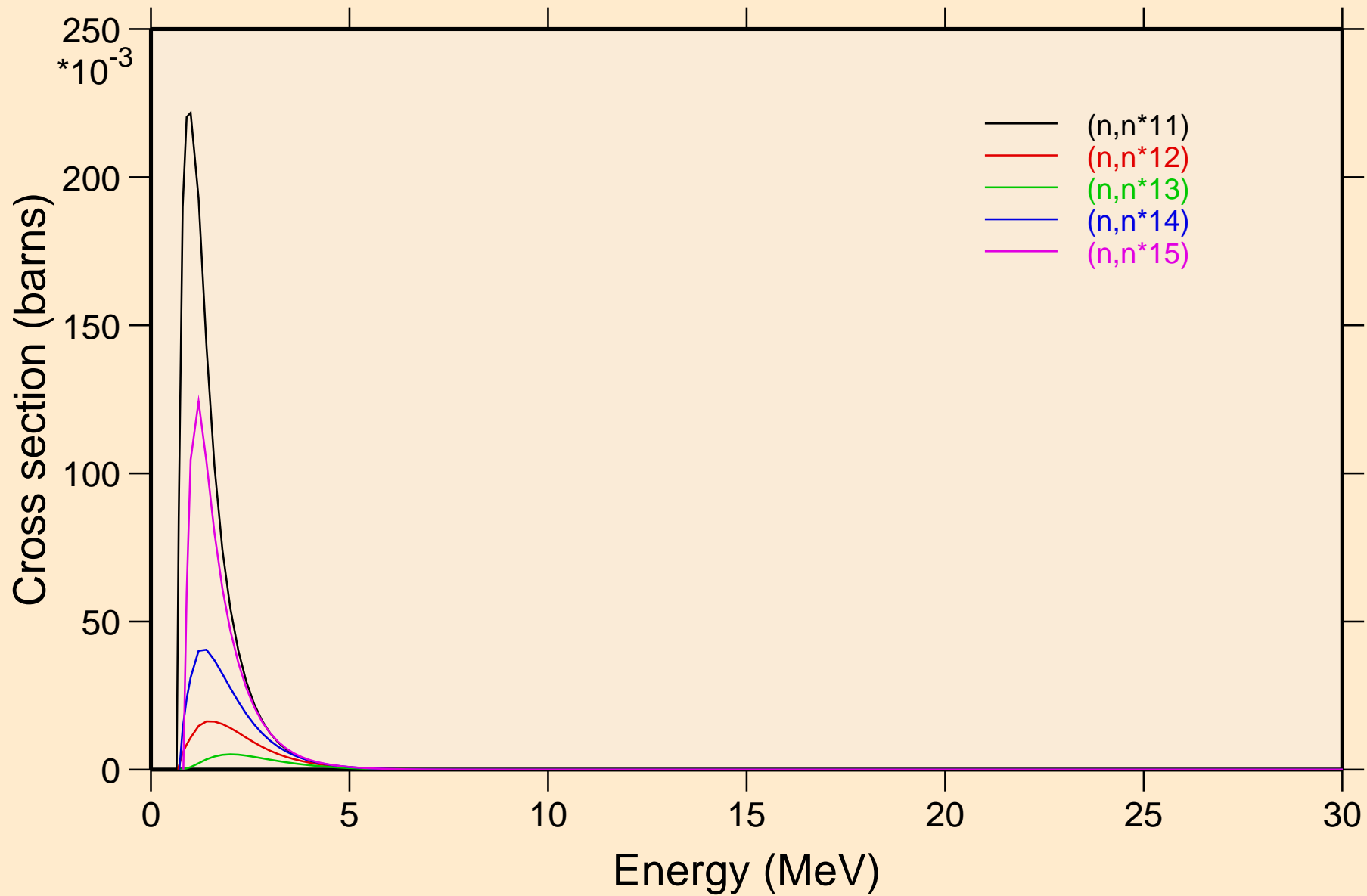
# AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



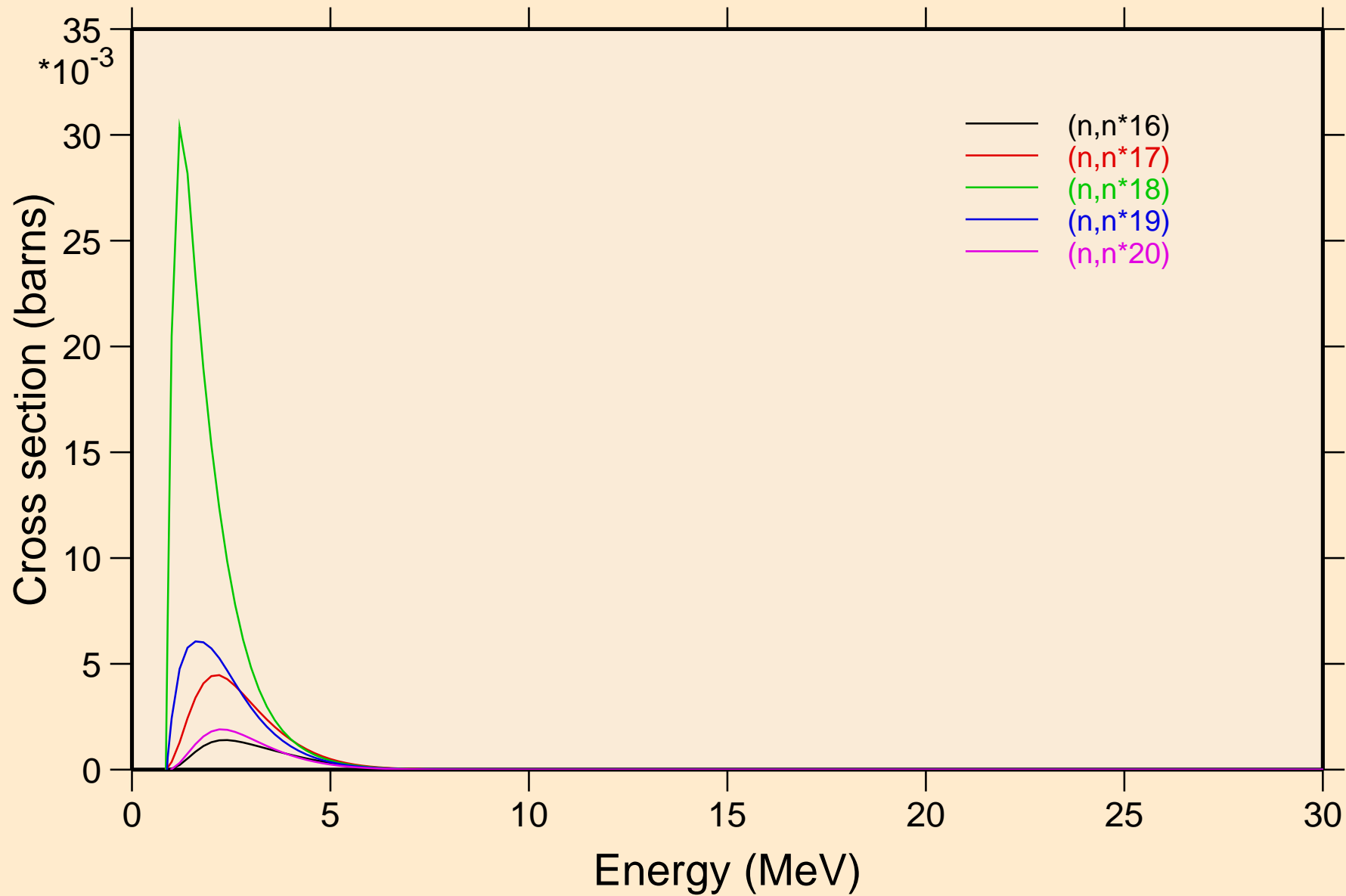
# AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels

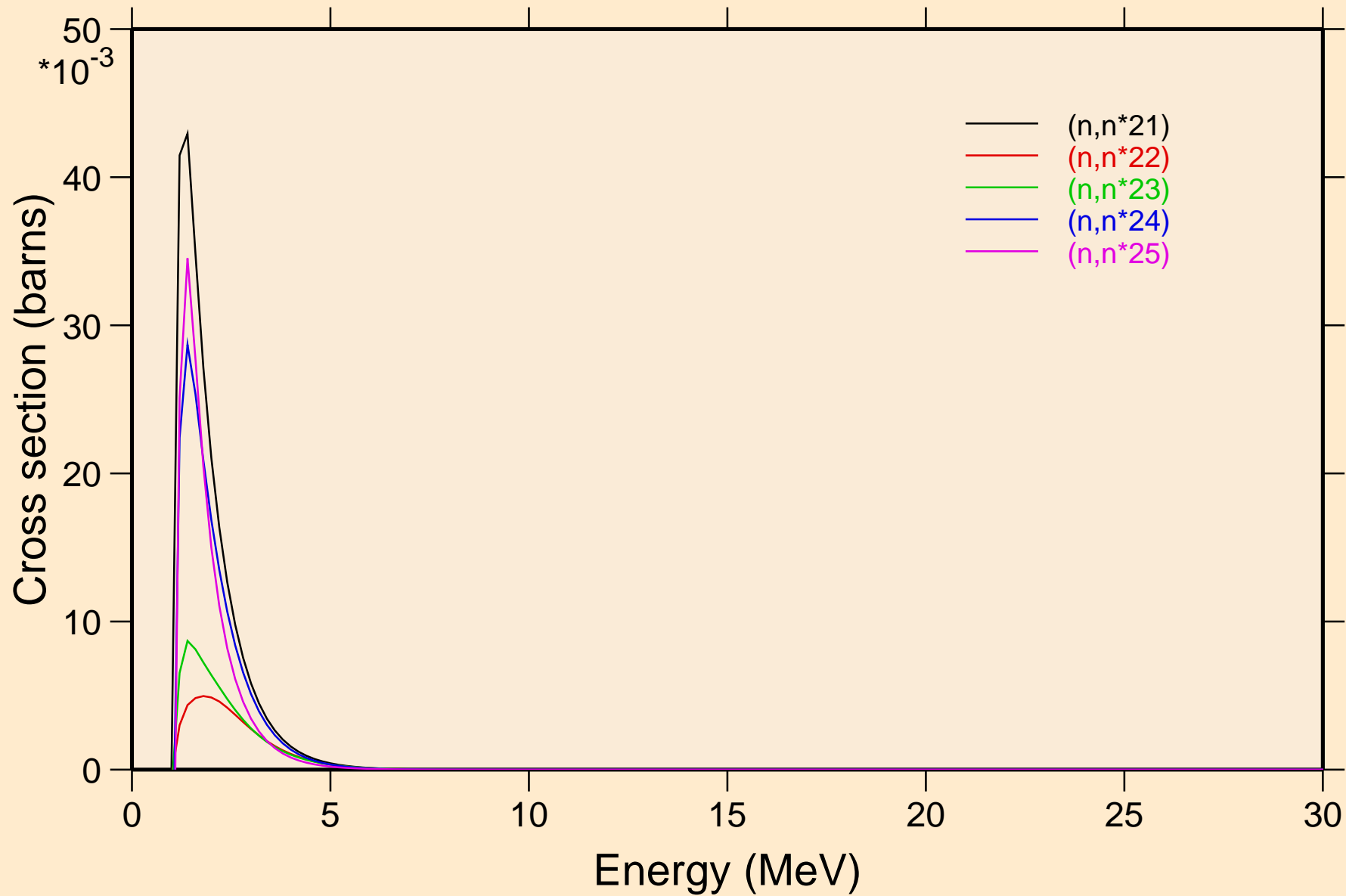


# AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels

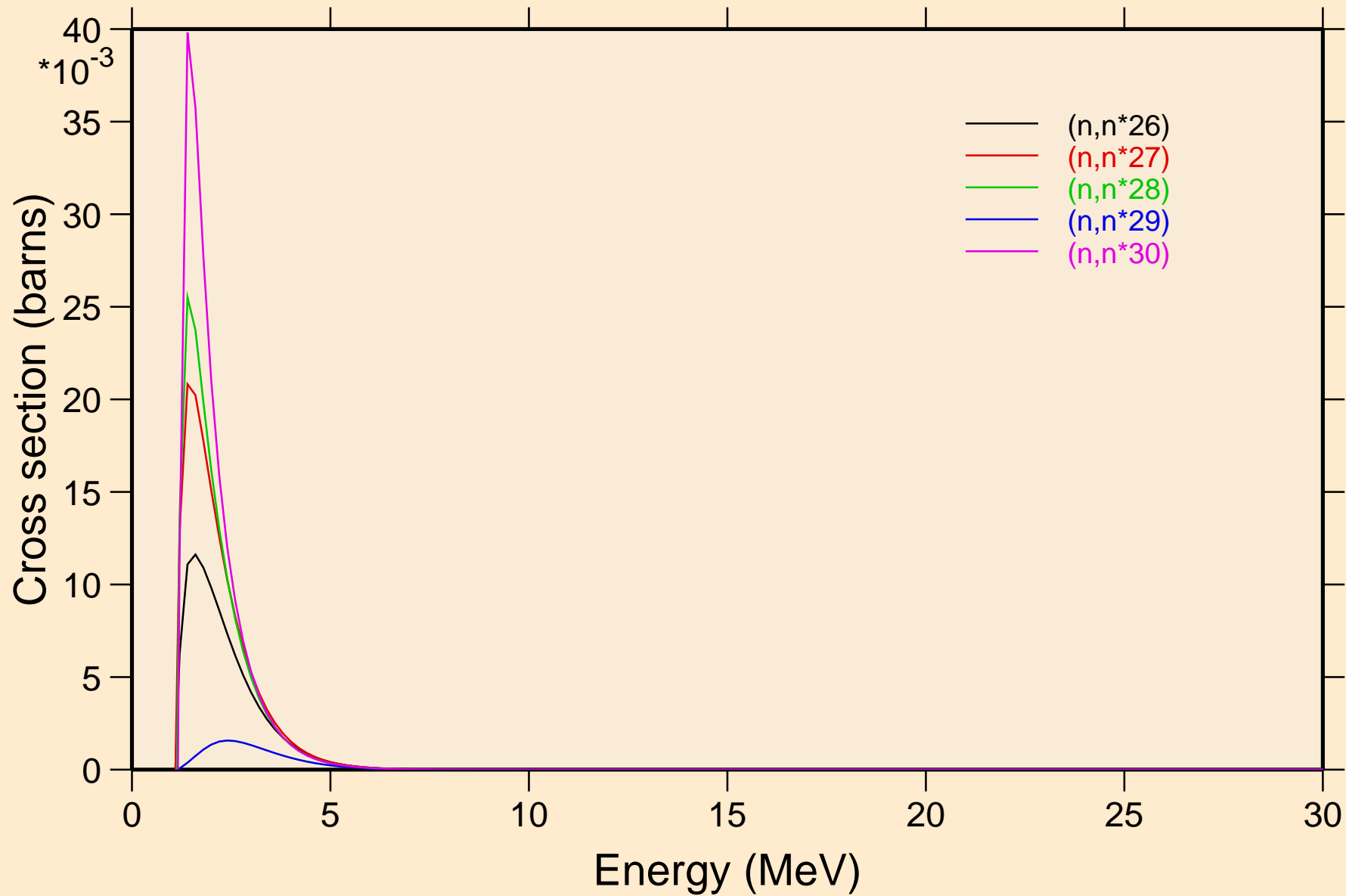


AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



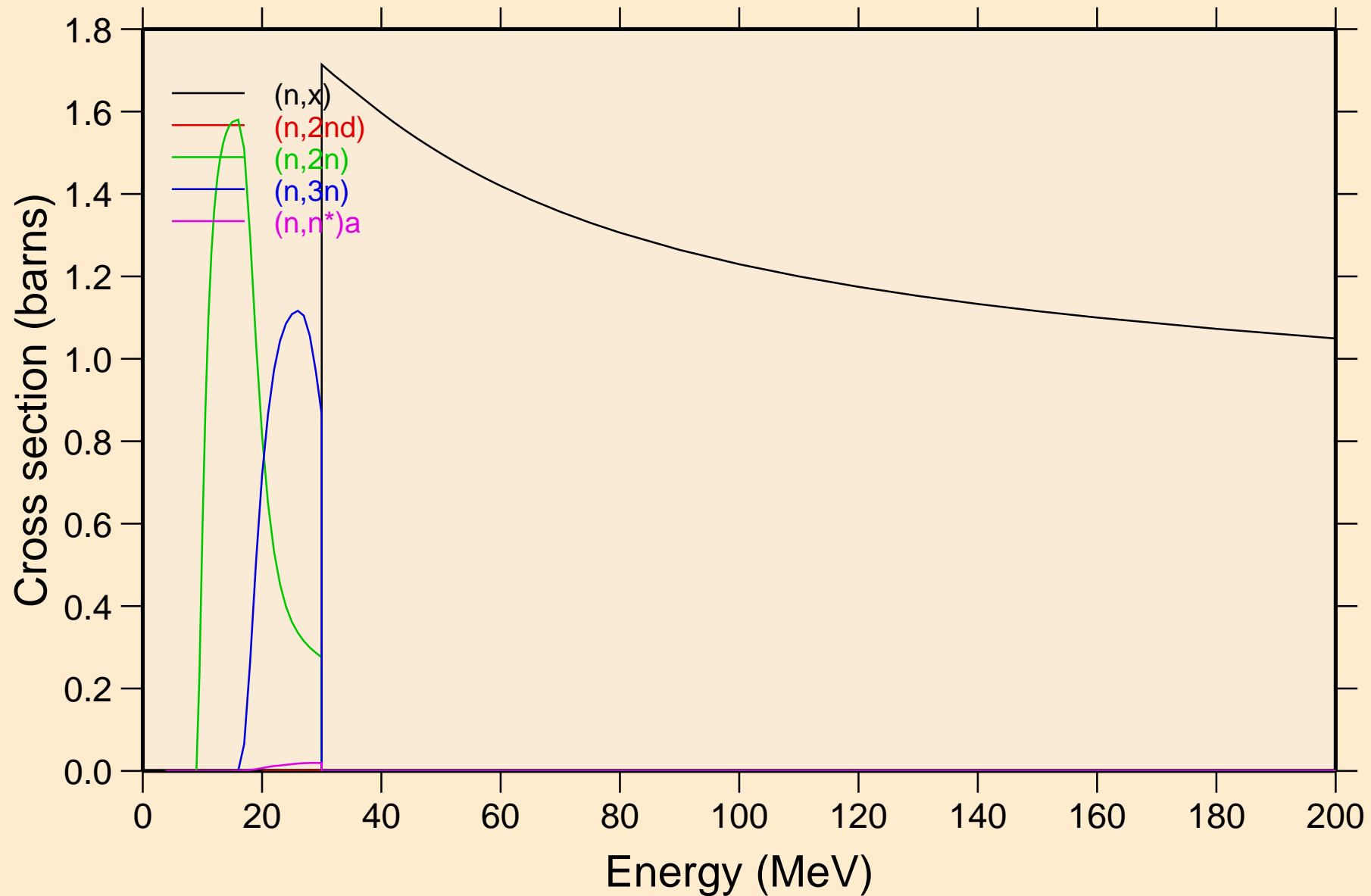
# AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



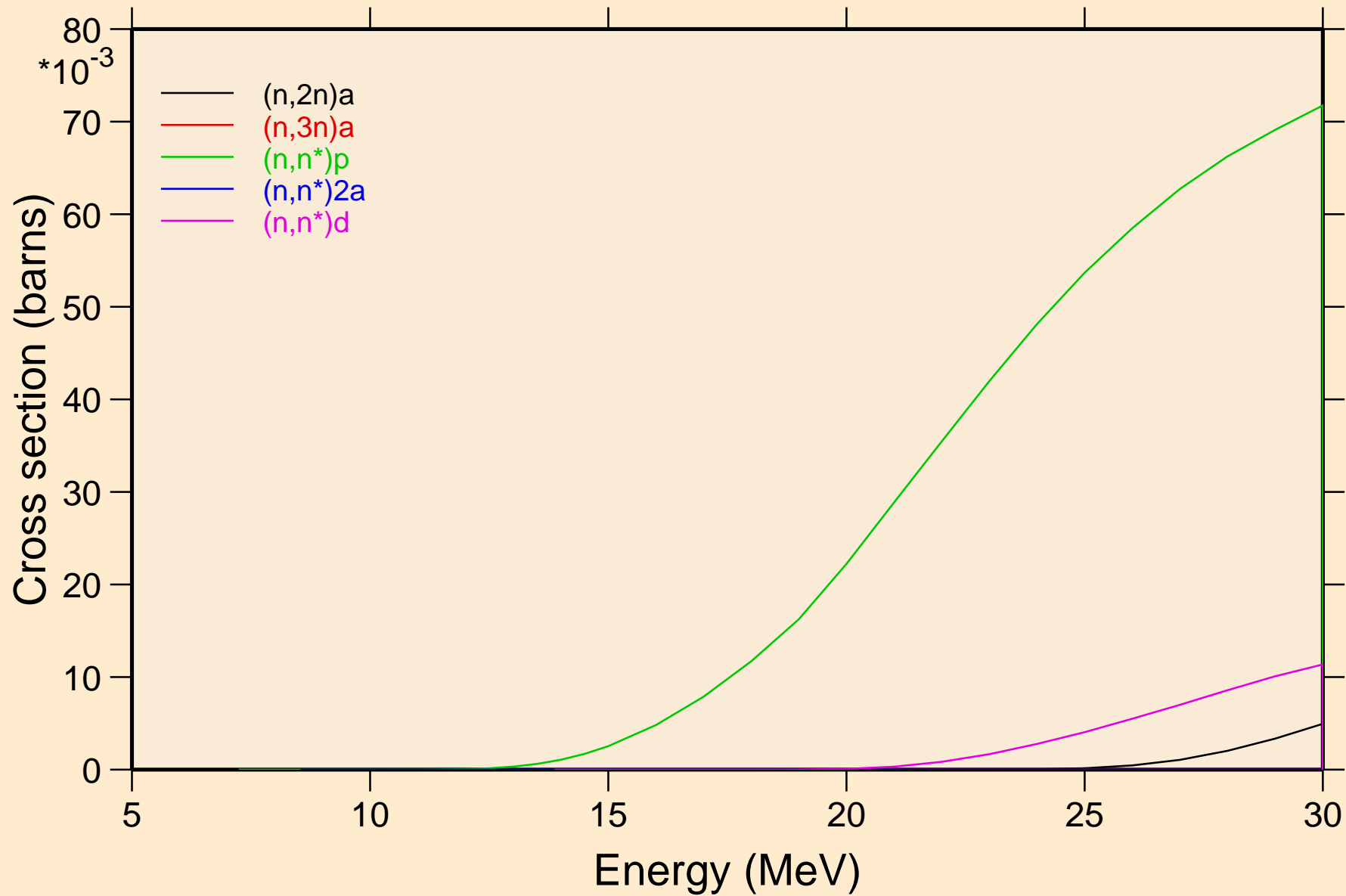
# AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



# AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

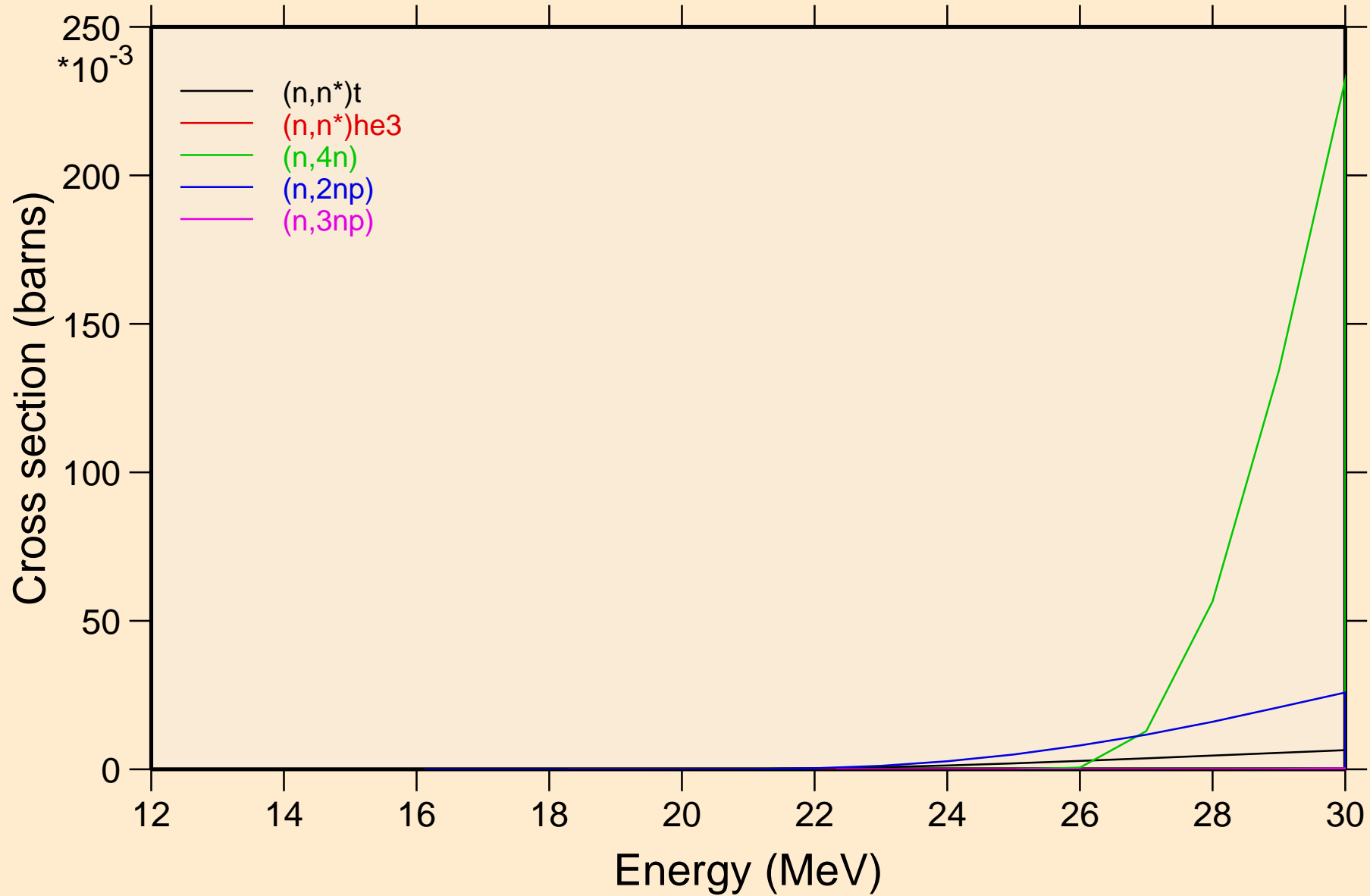
## Threshold reactions





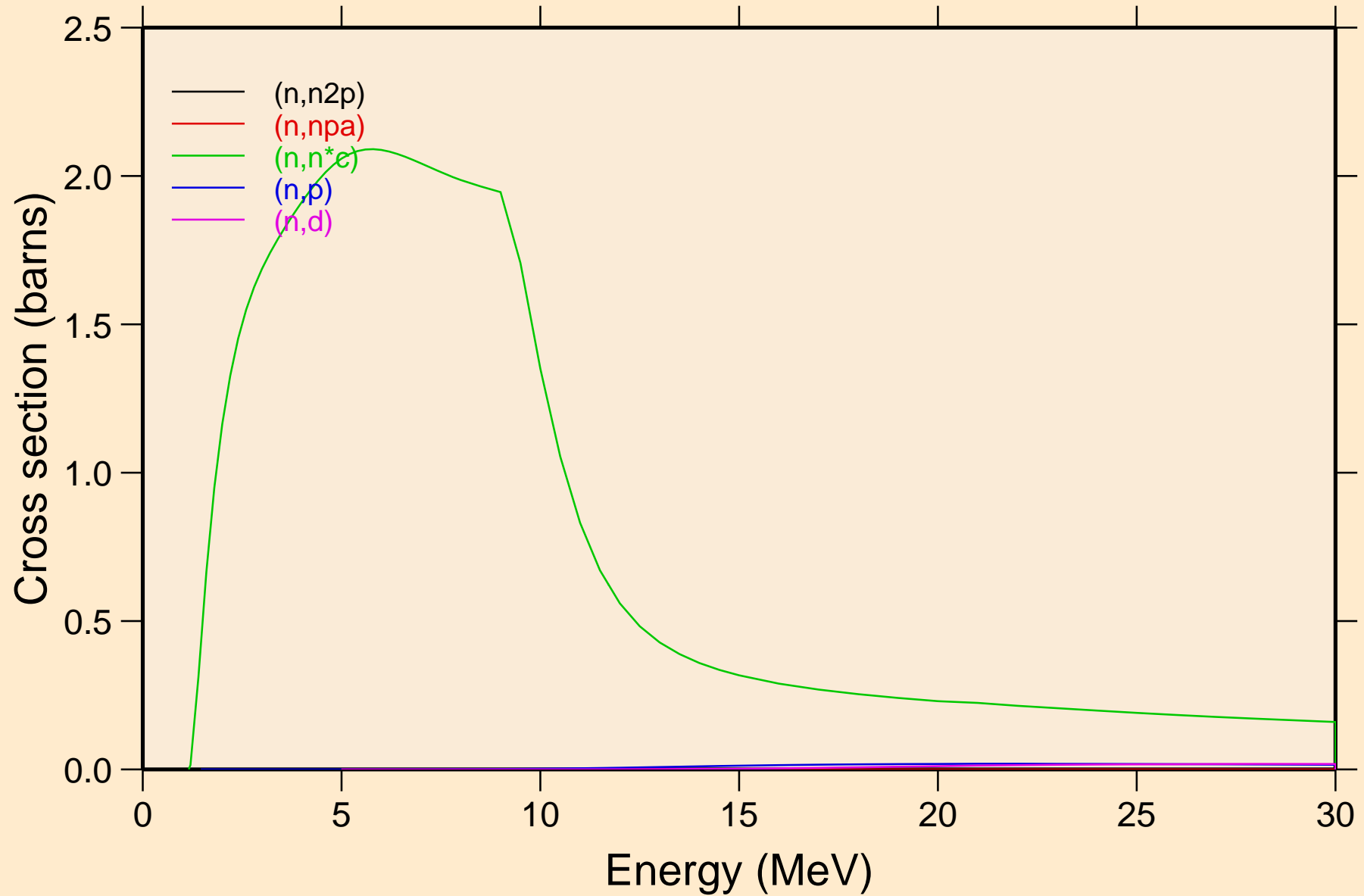
# AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



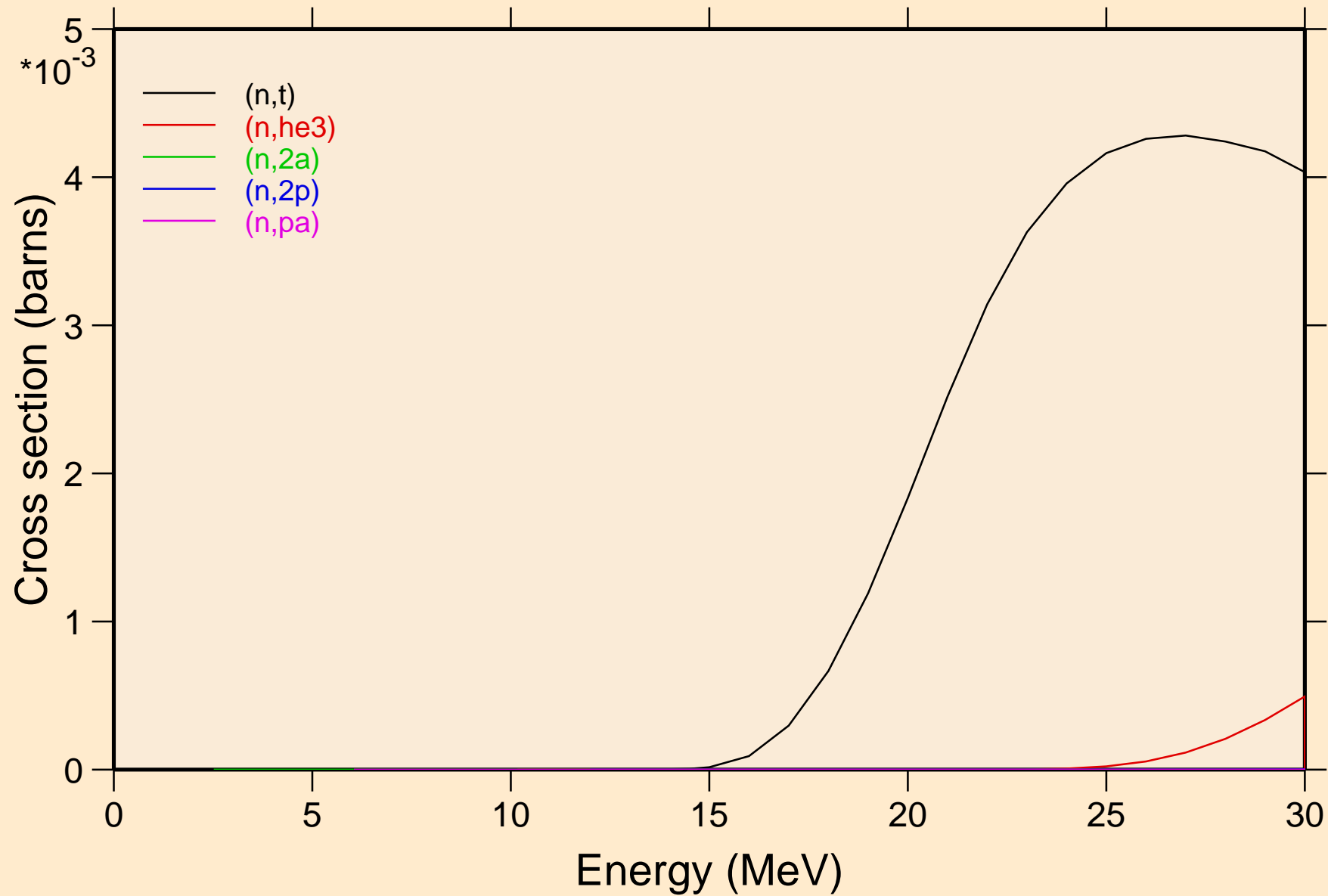
# AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



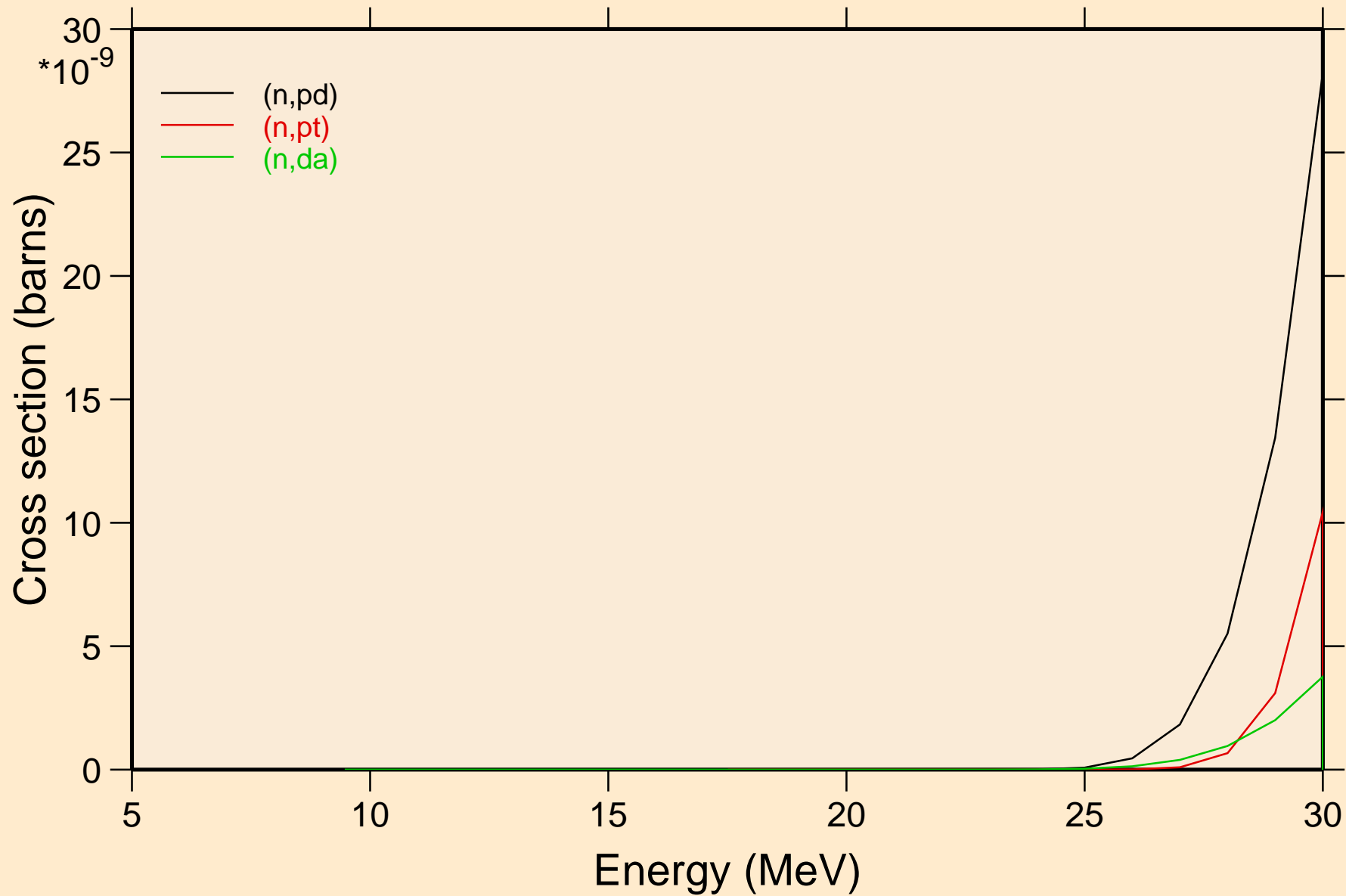
# AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



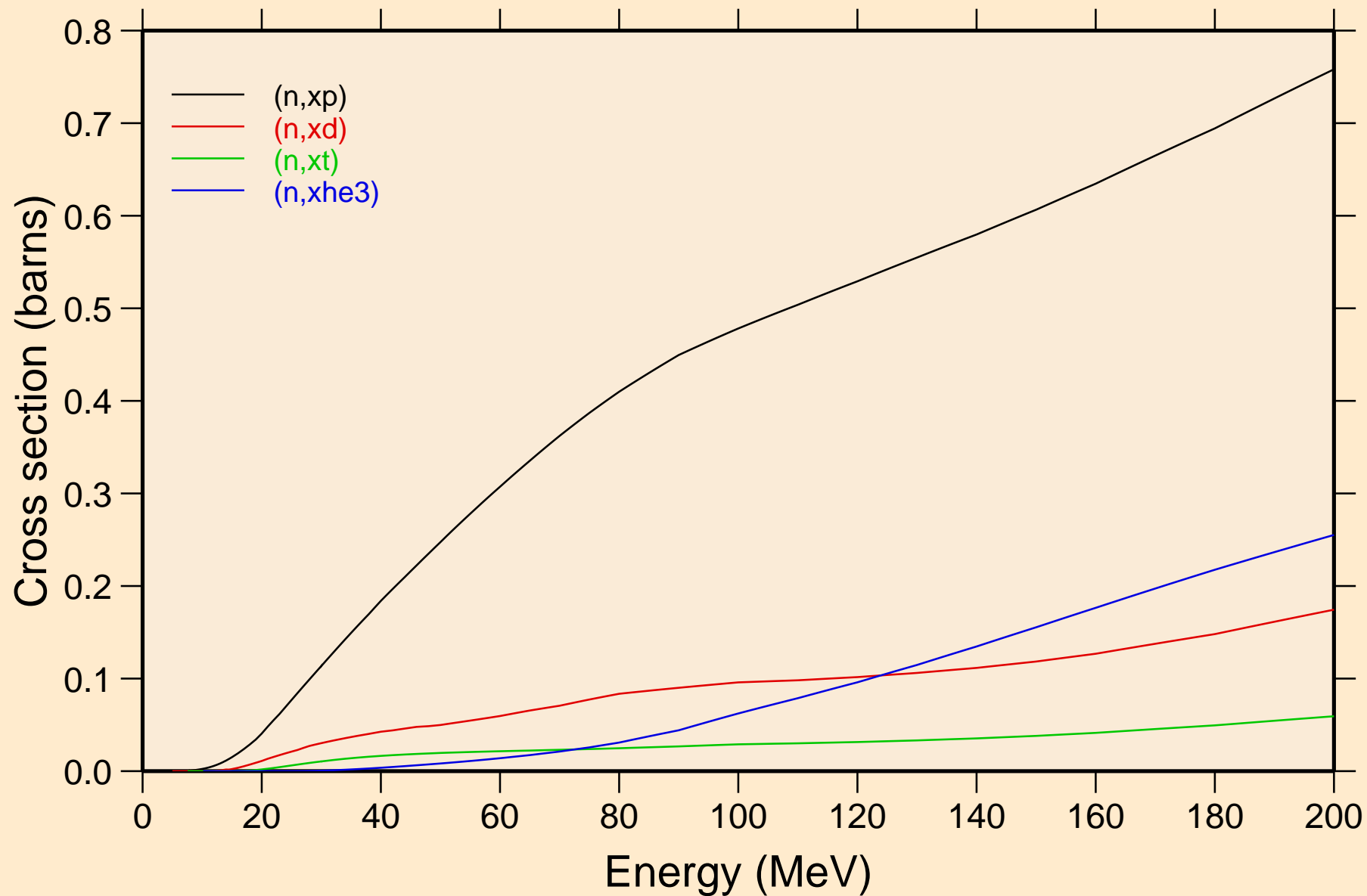
# AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

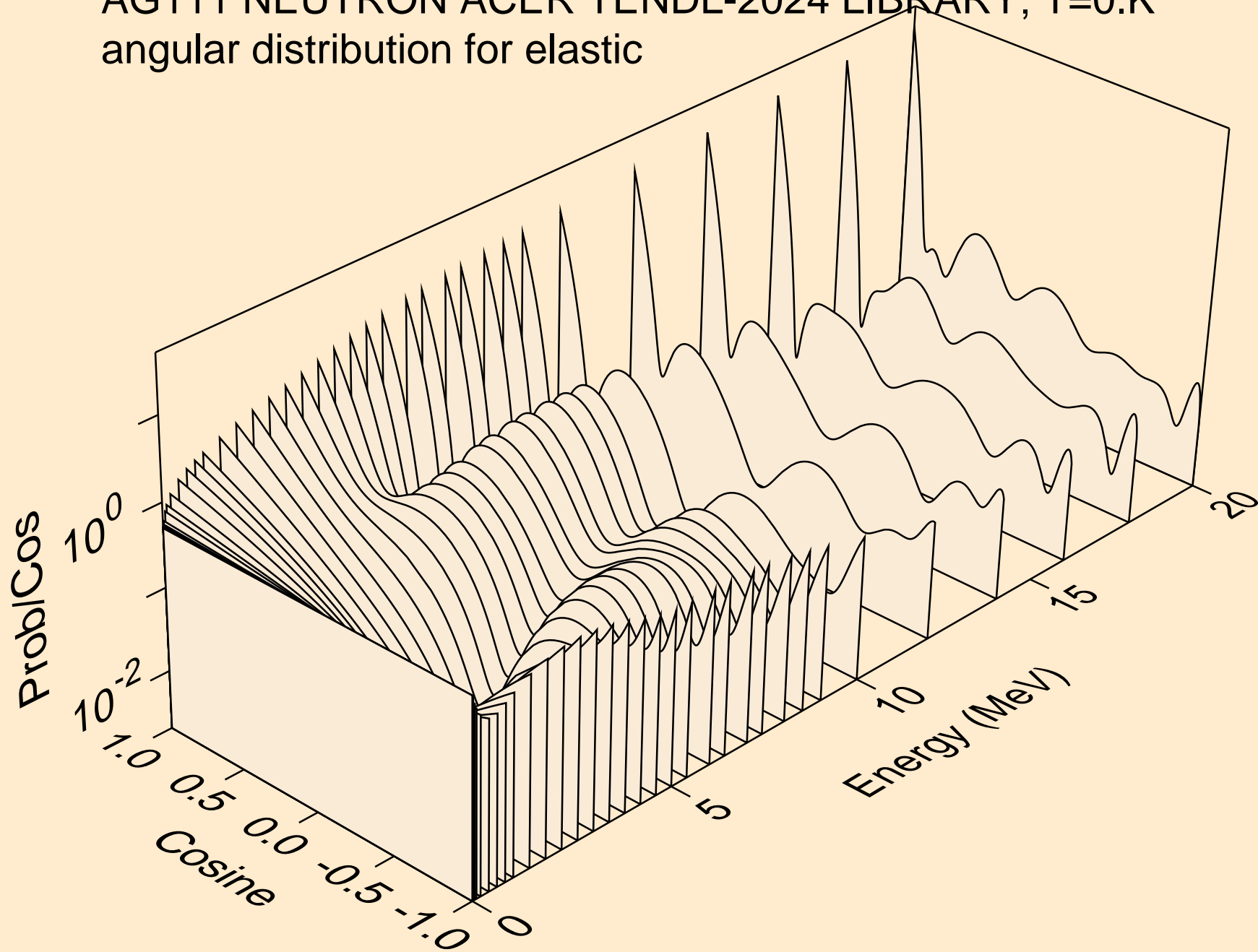


# AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

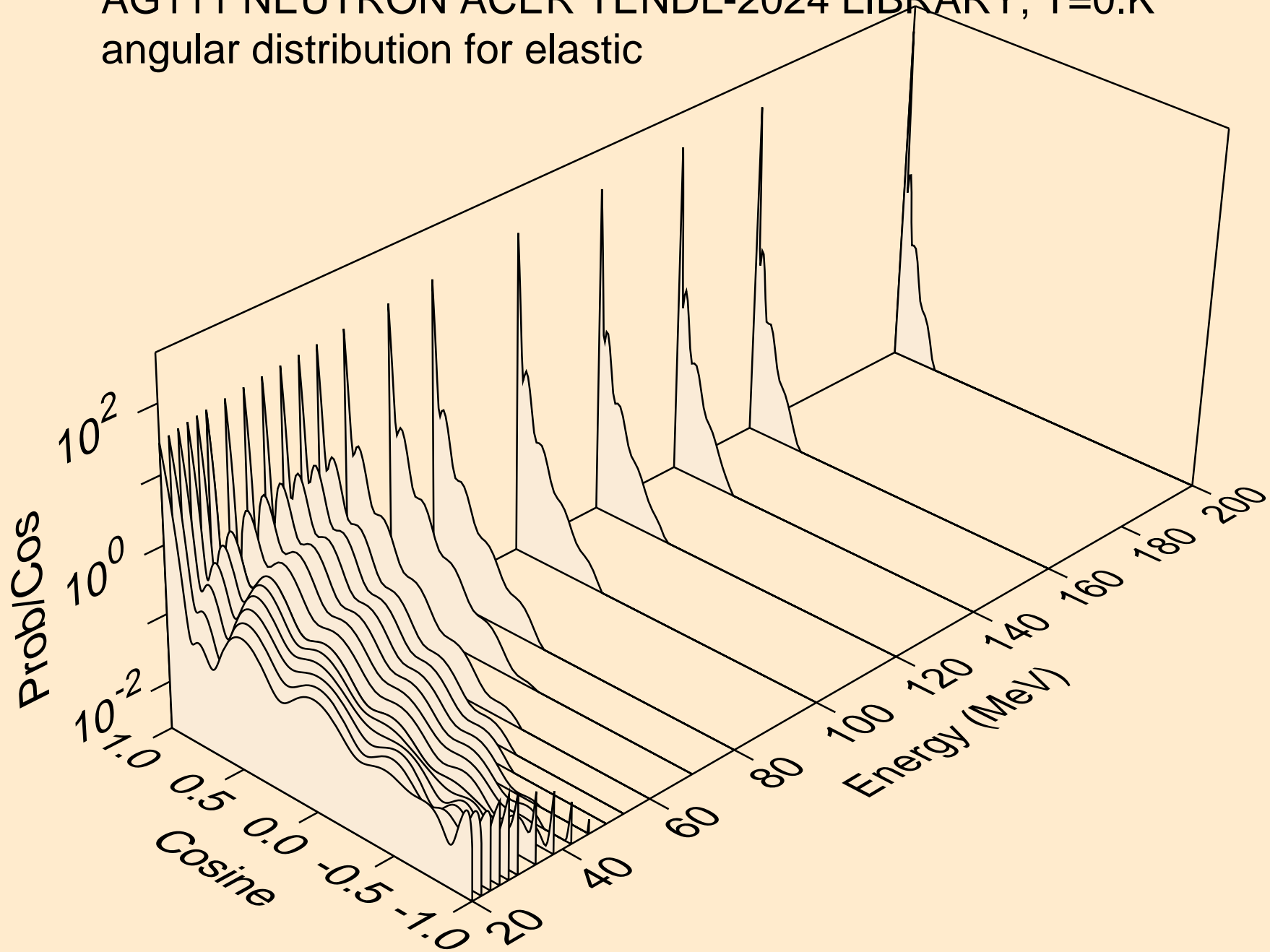
## Threshold reactions



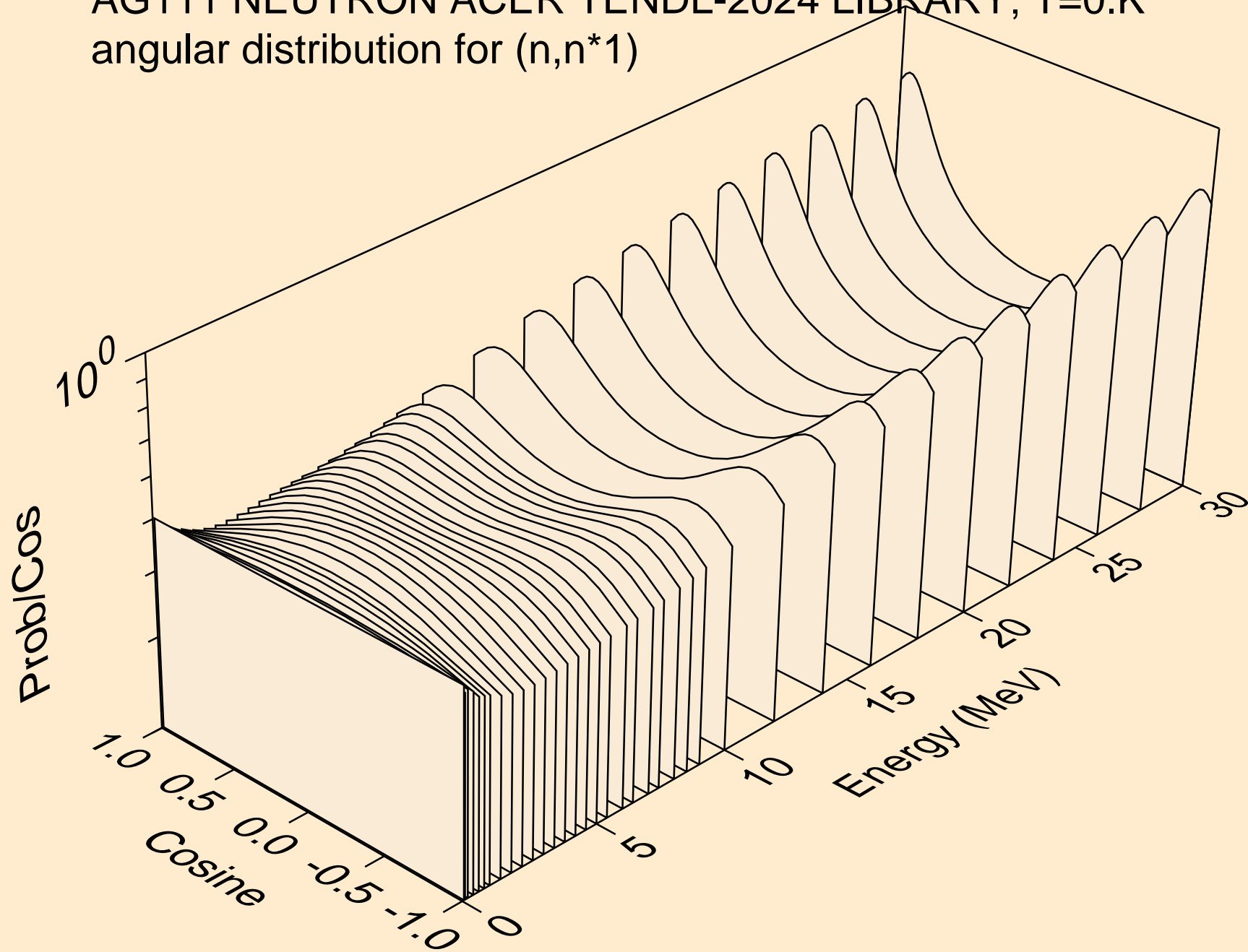
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

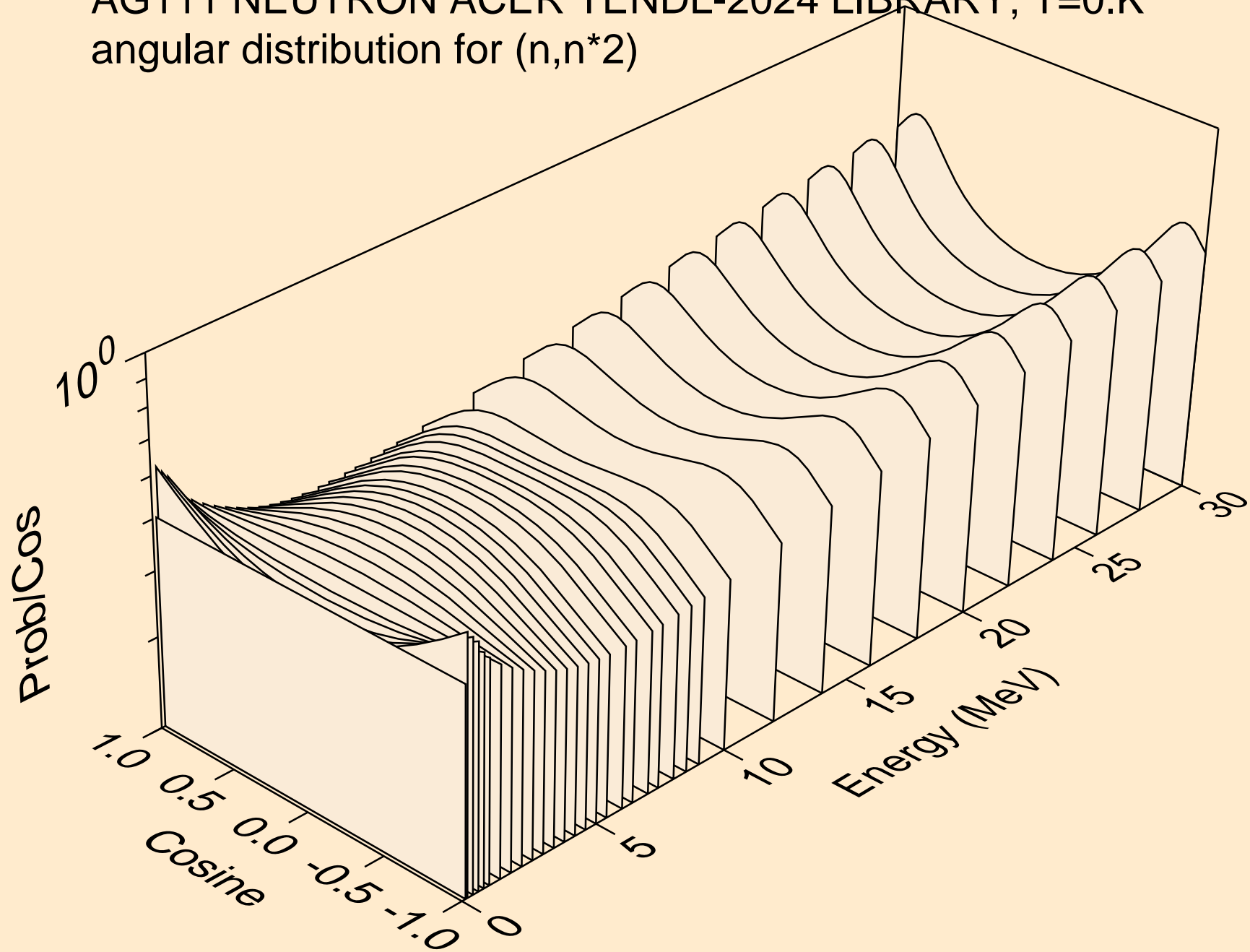


AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

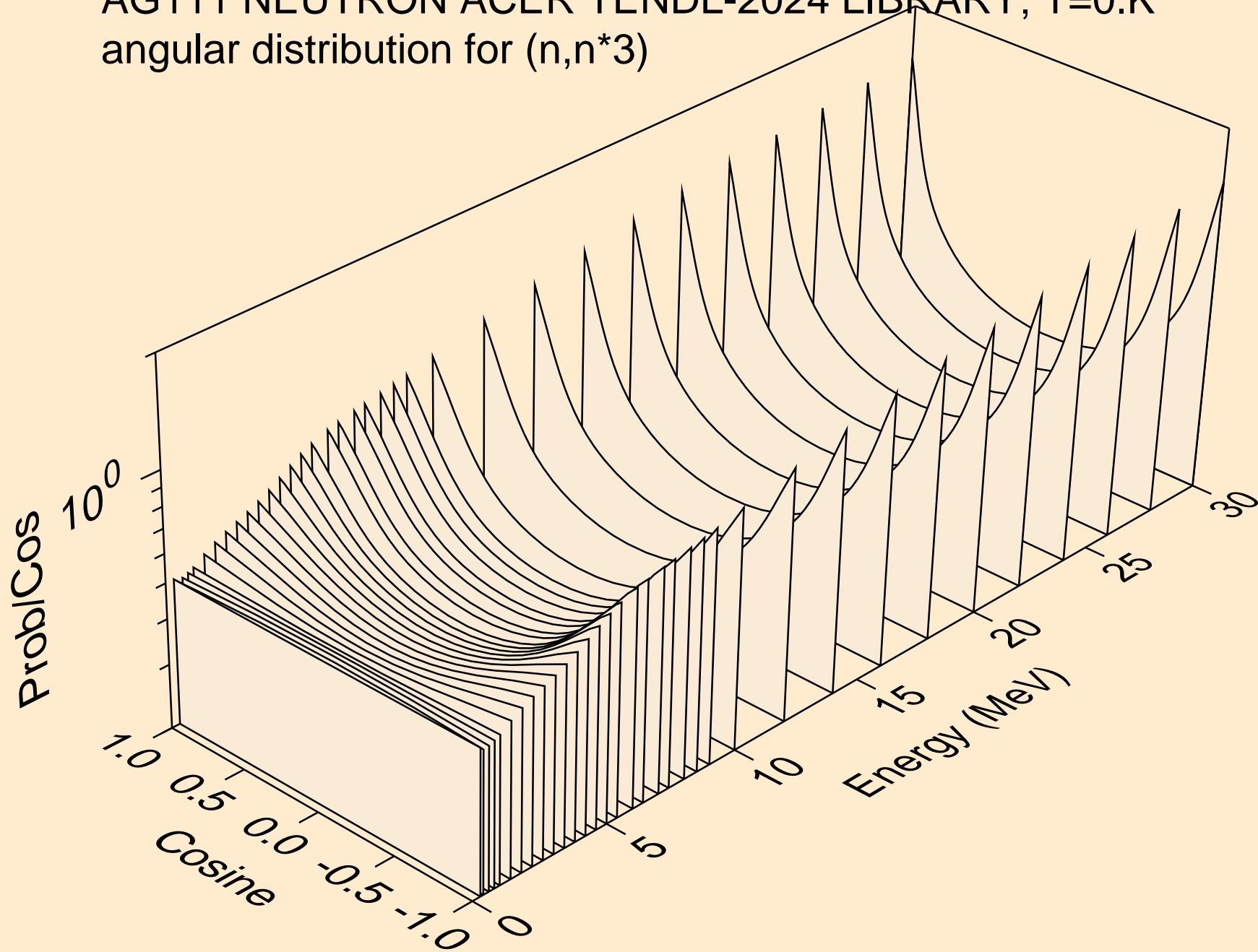




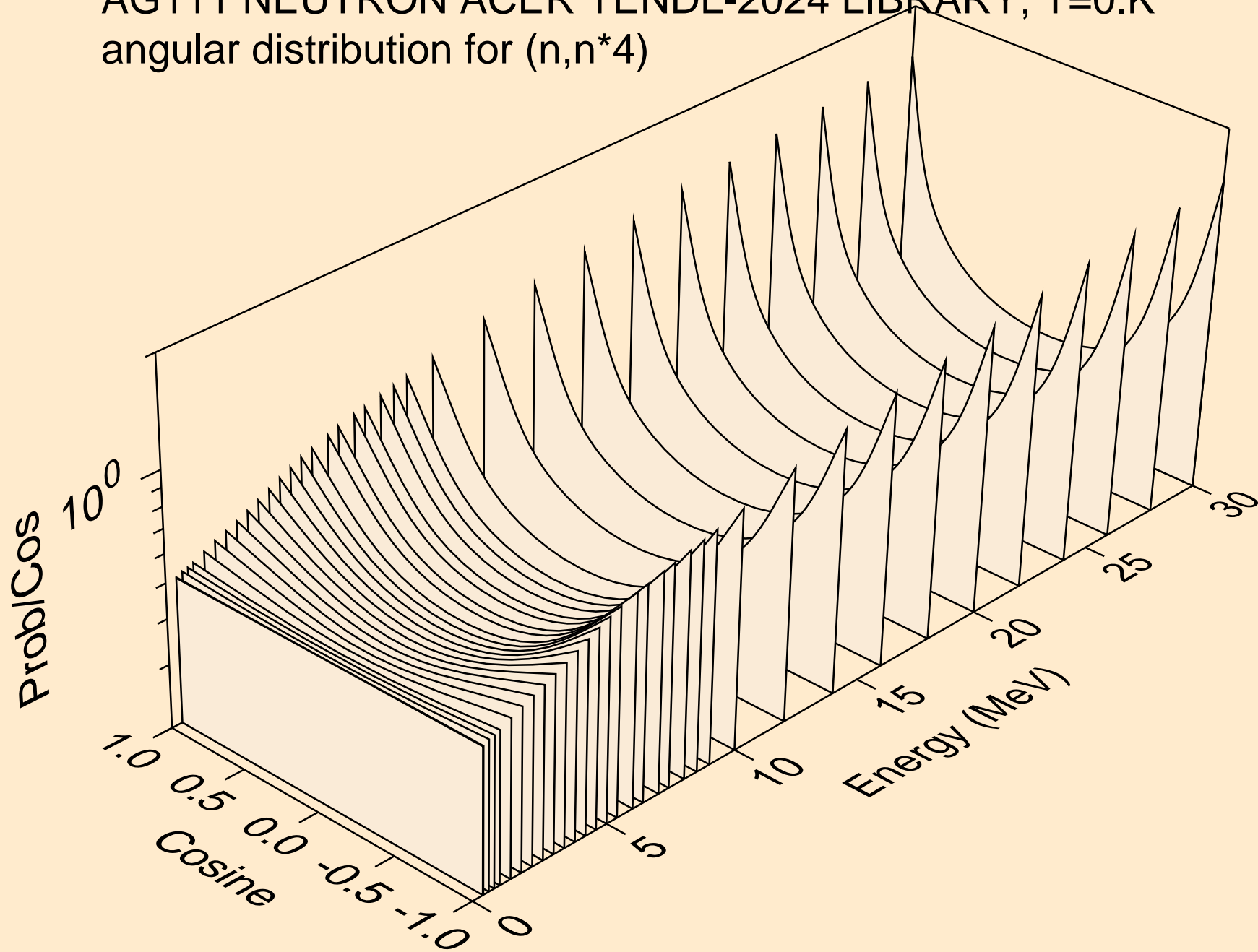
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



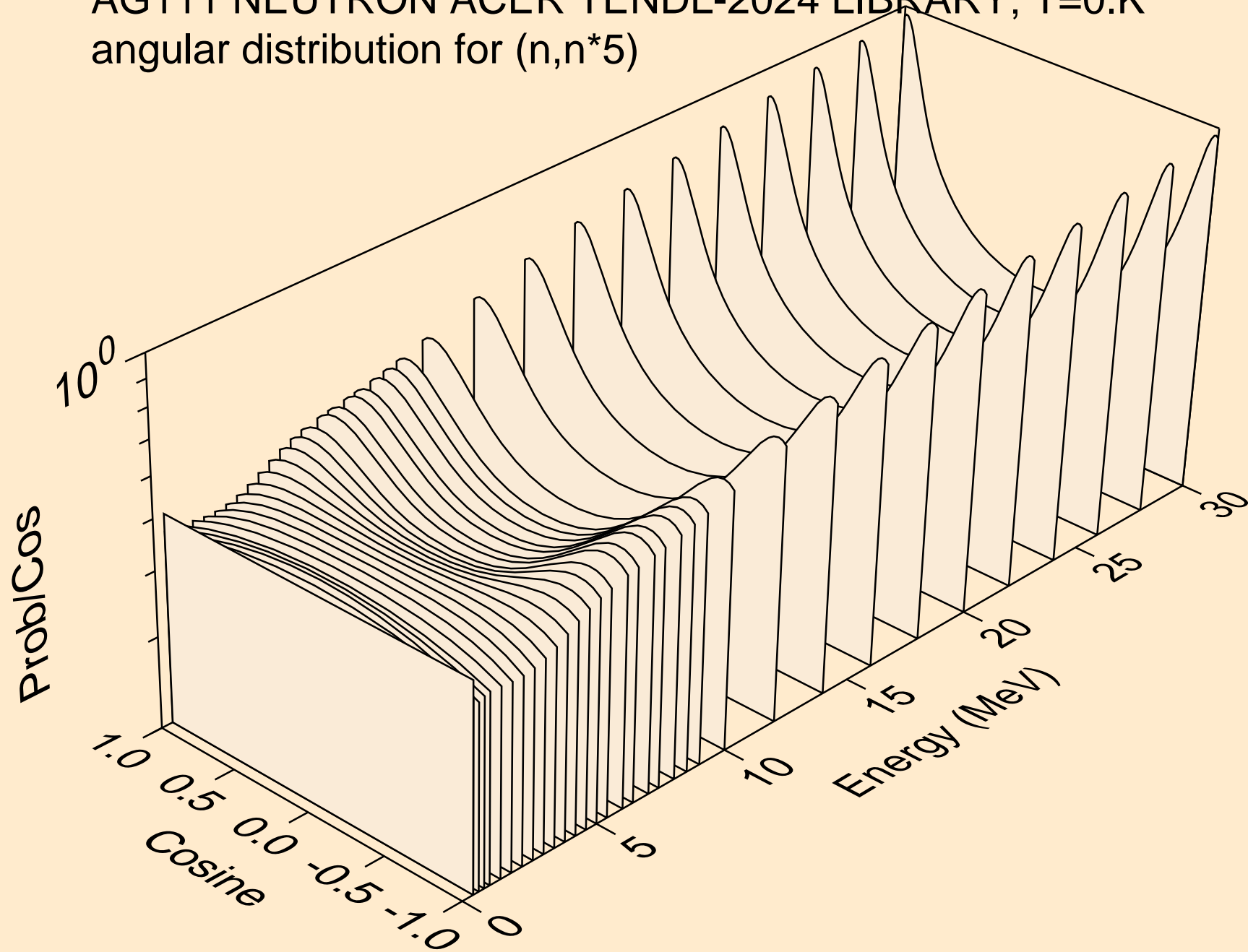
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



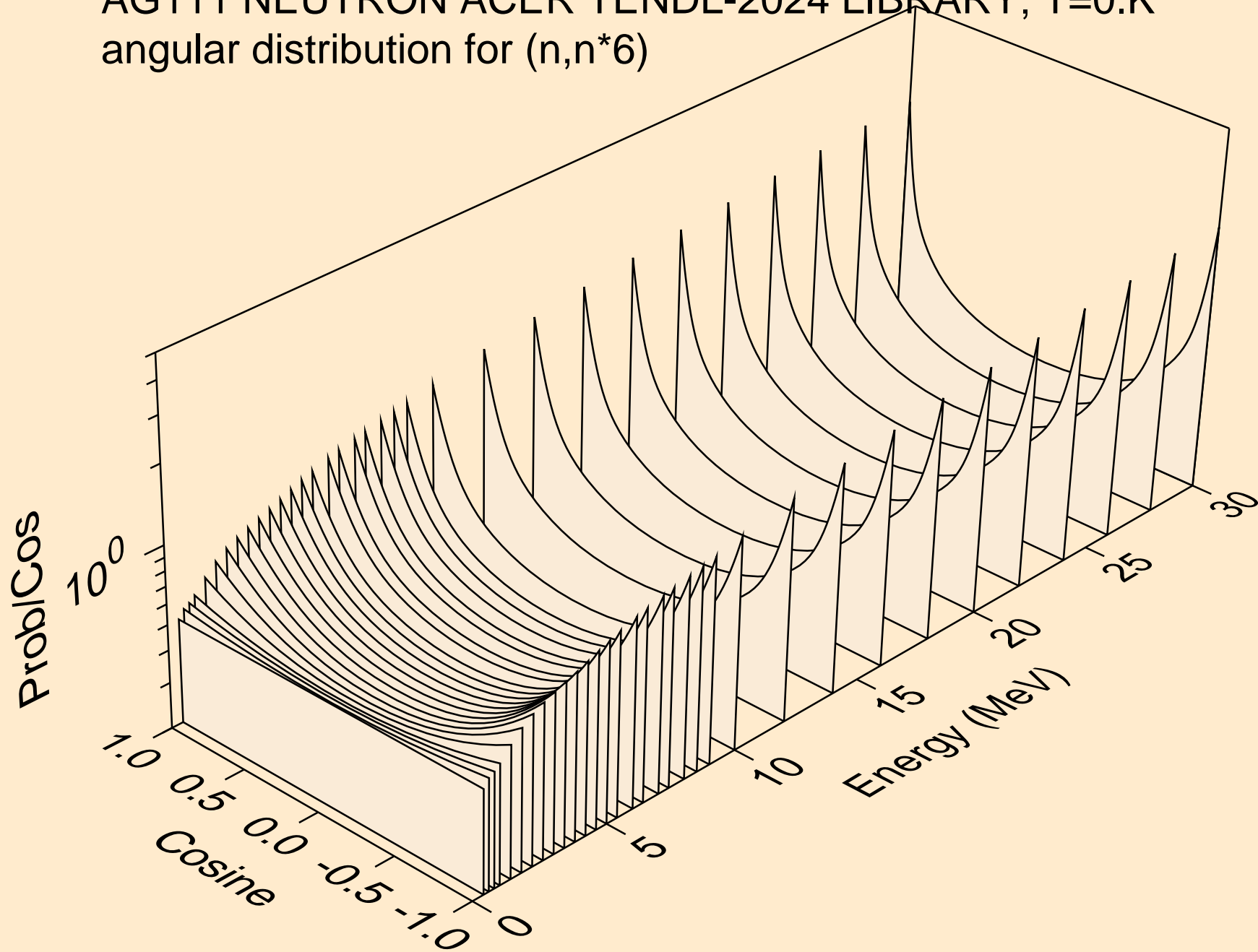
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



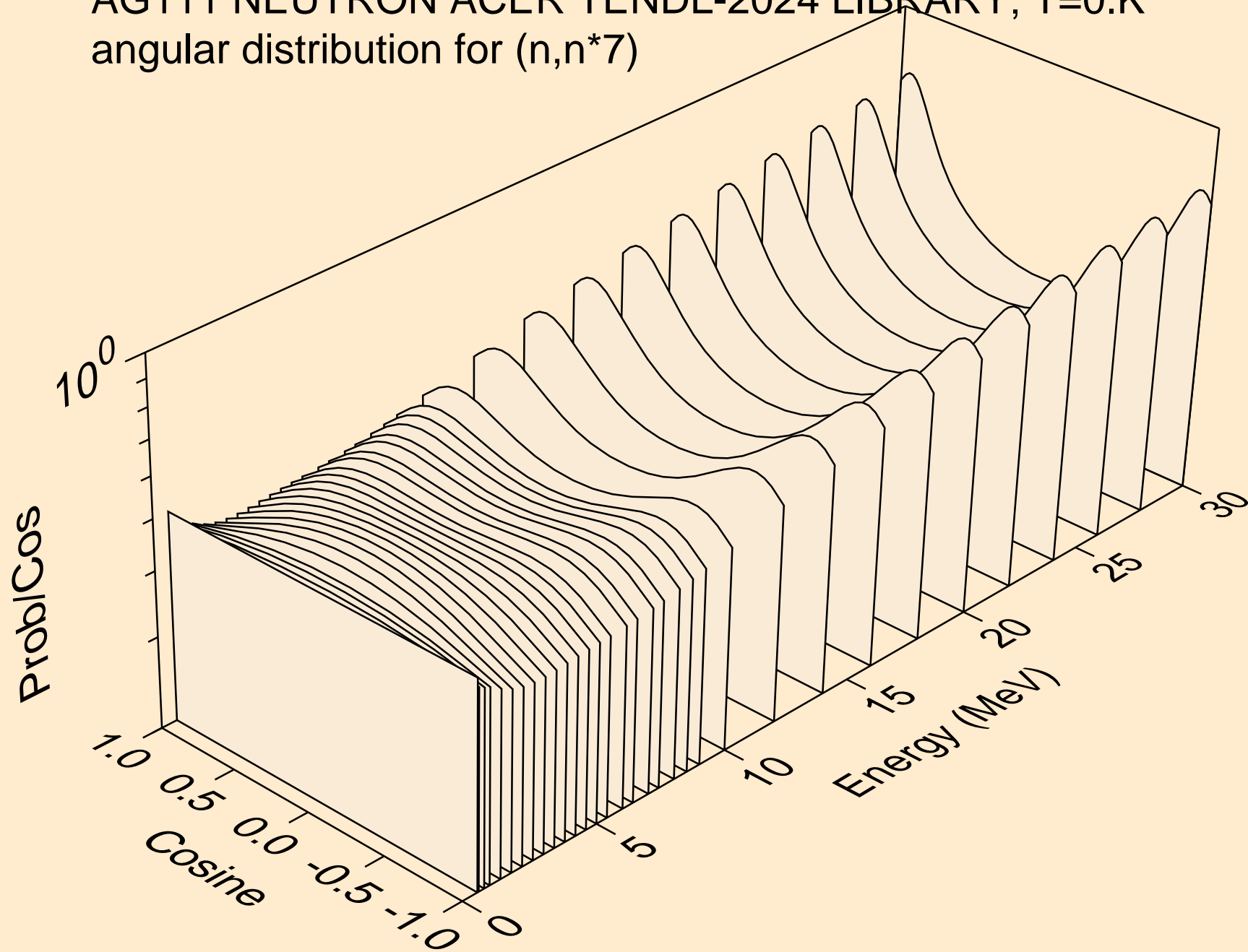
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



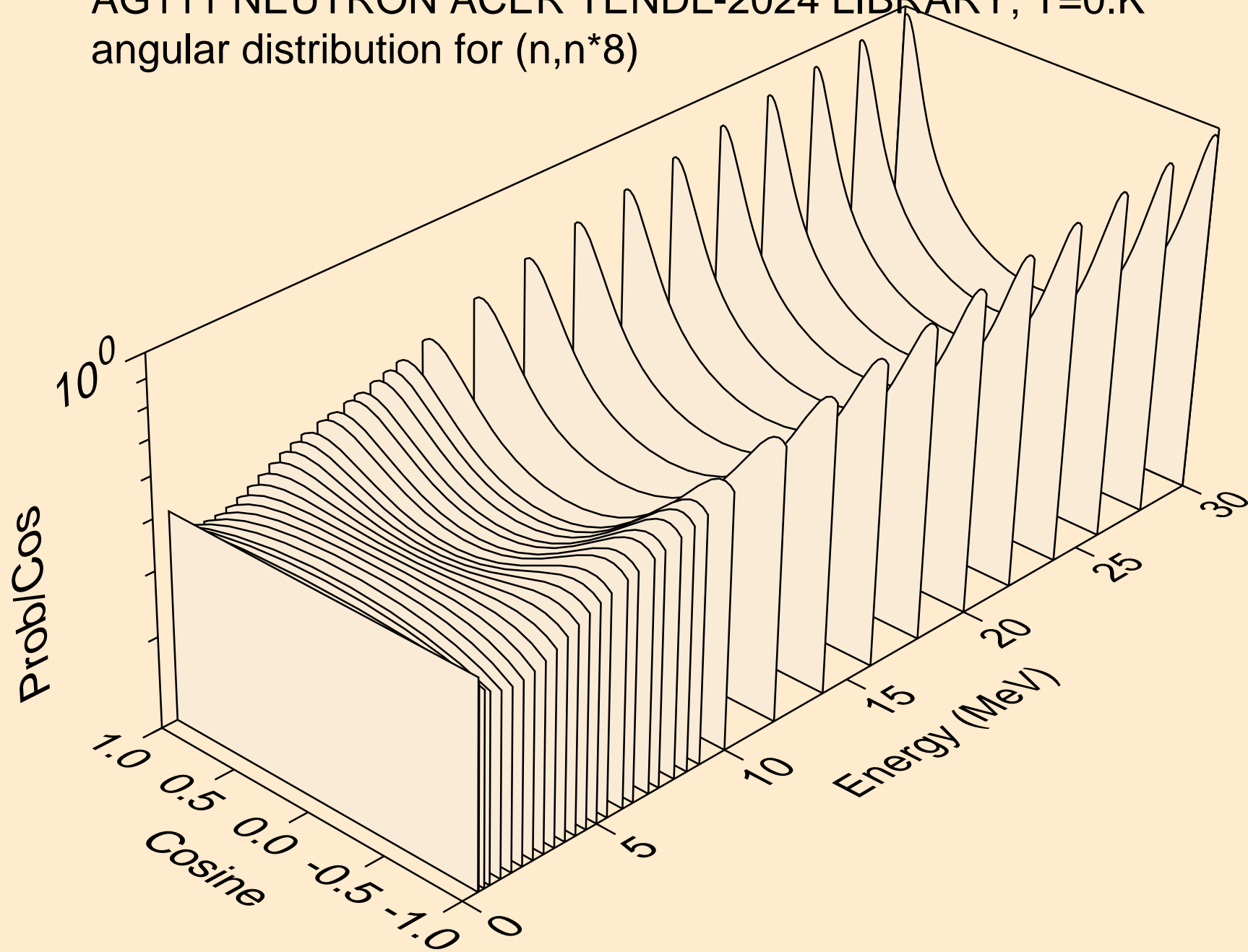
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



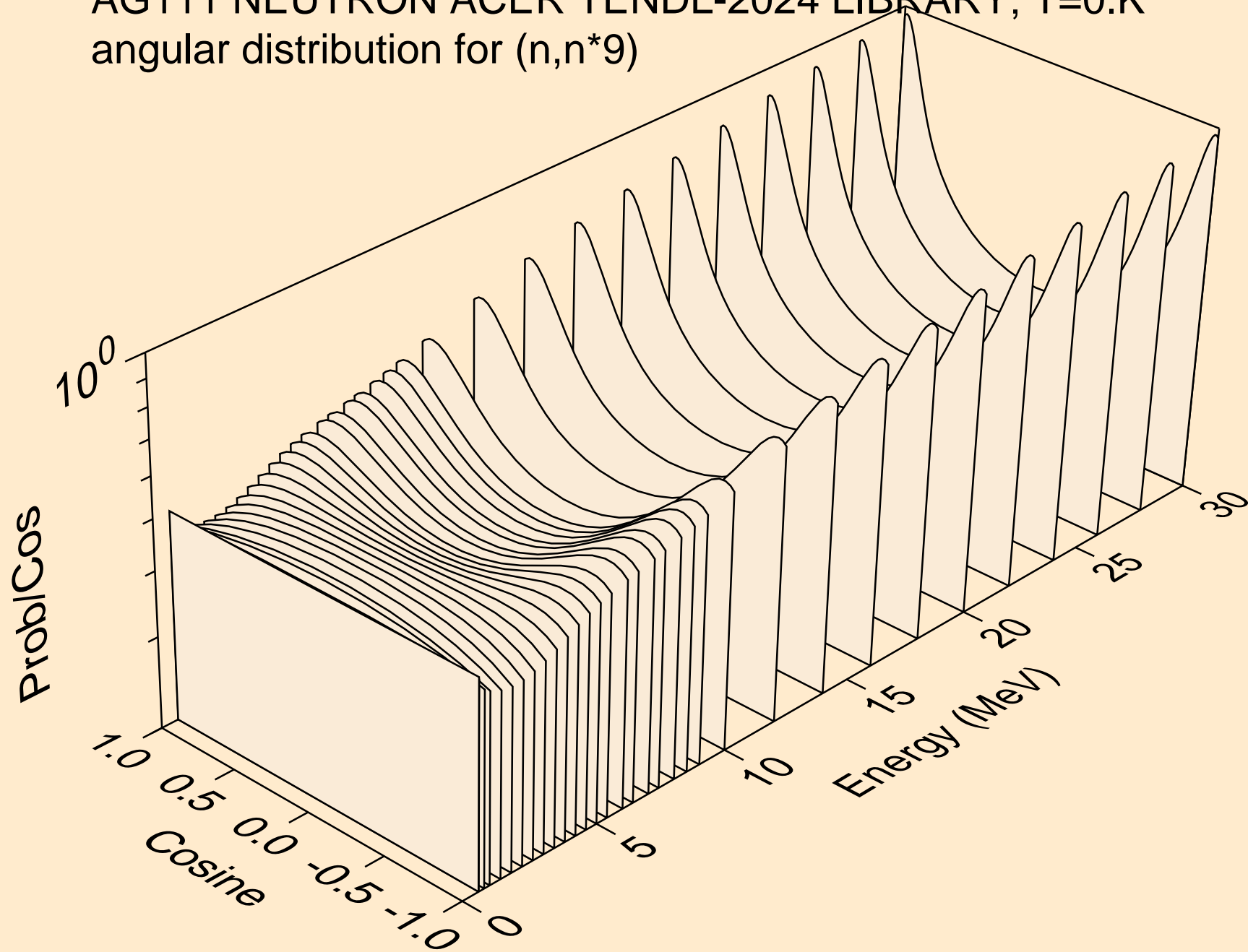
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)

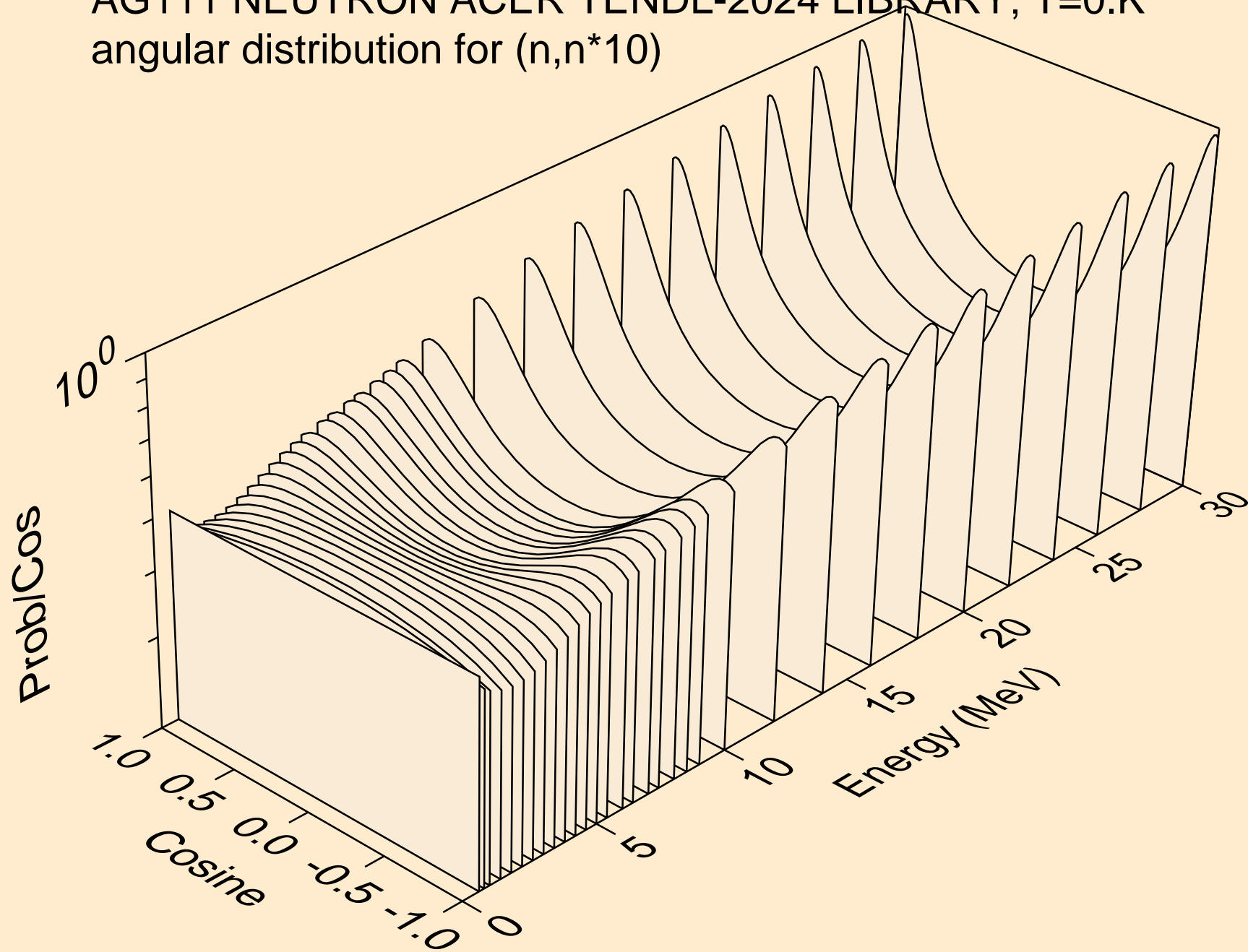


AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

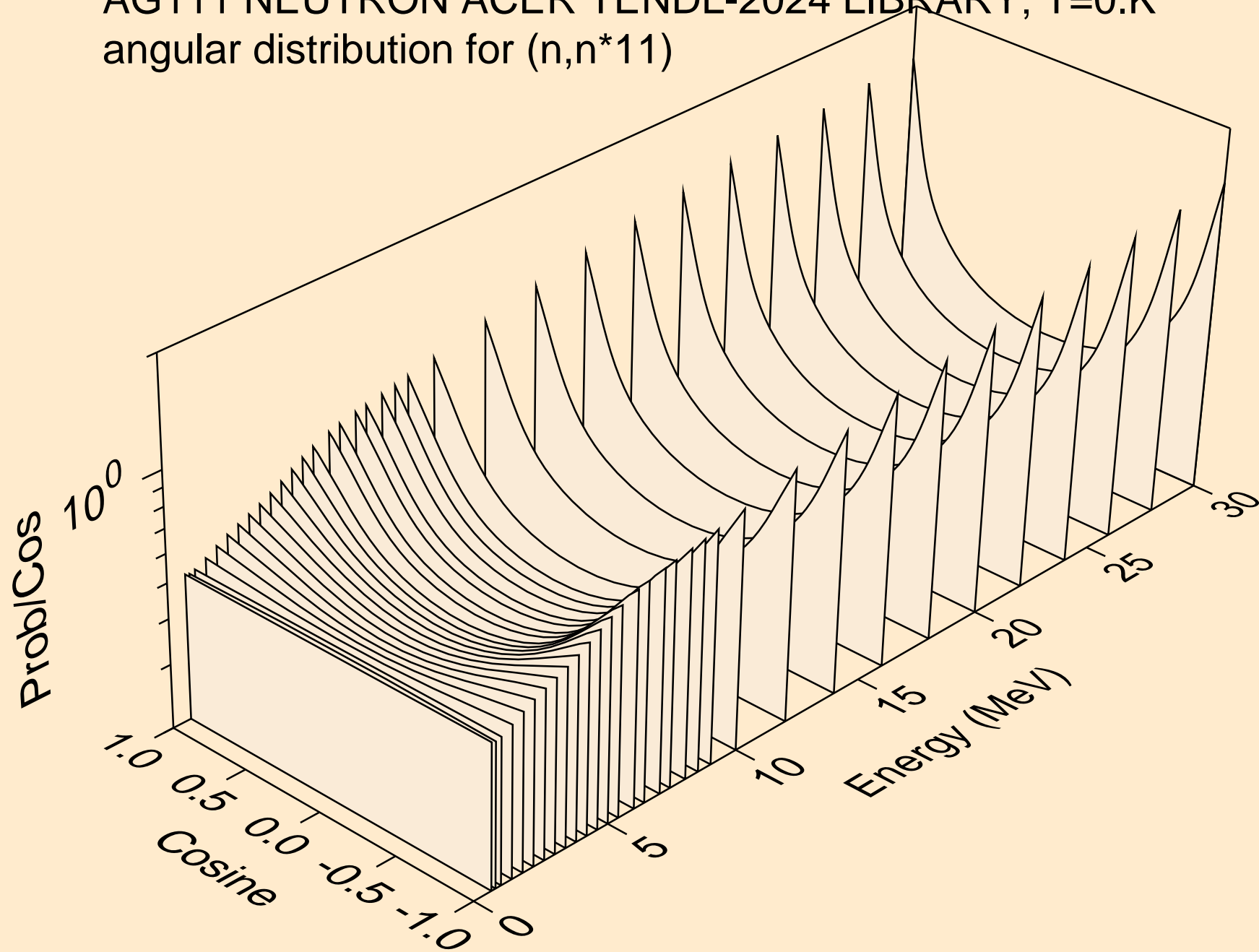




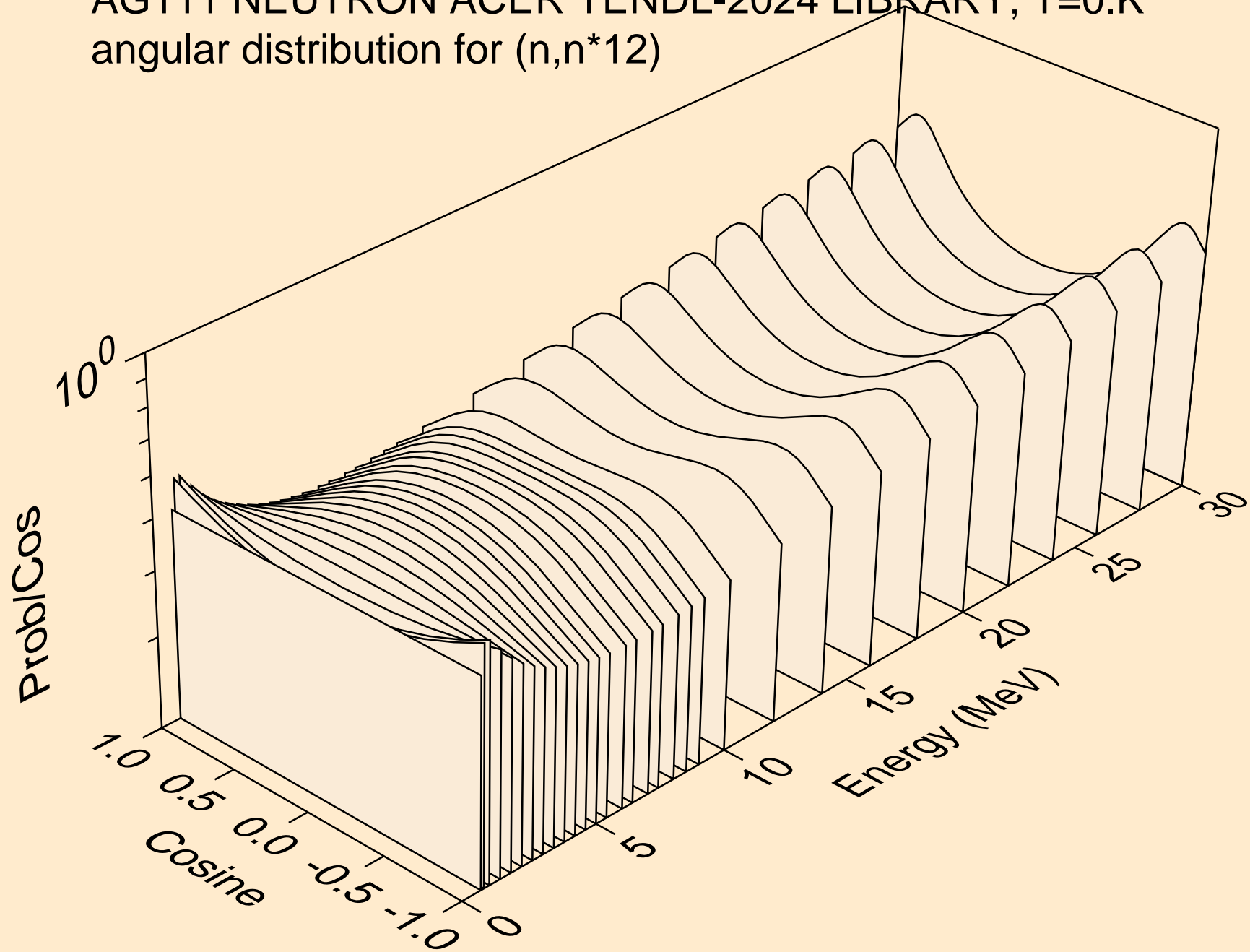
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



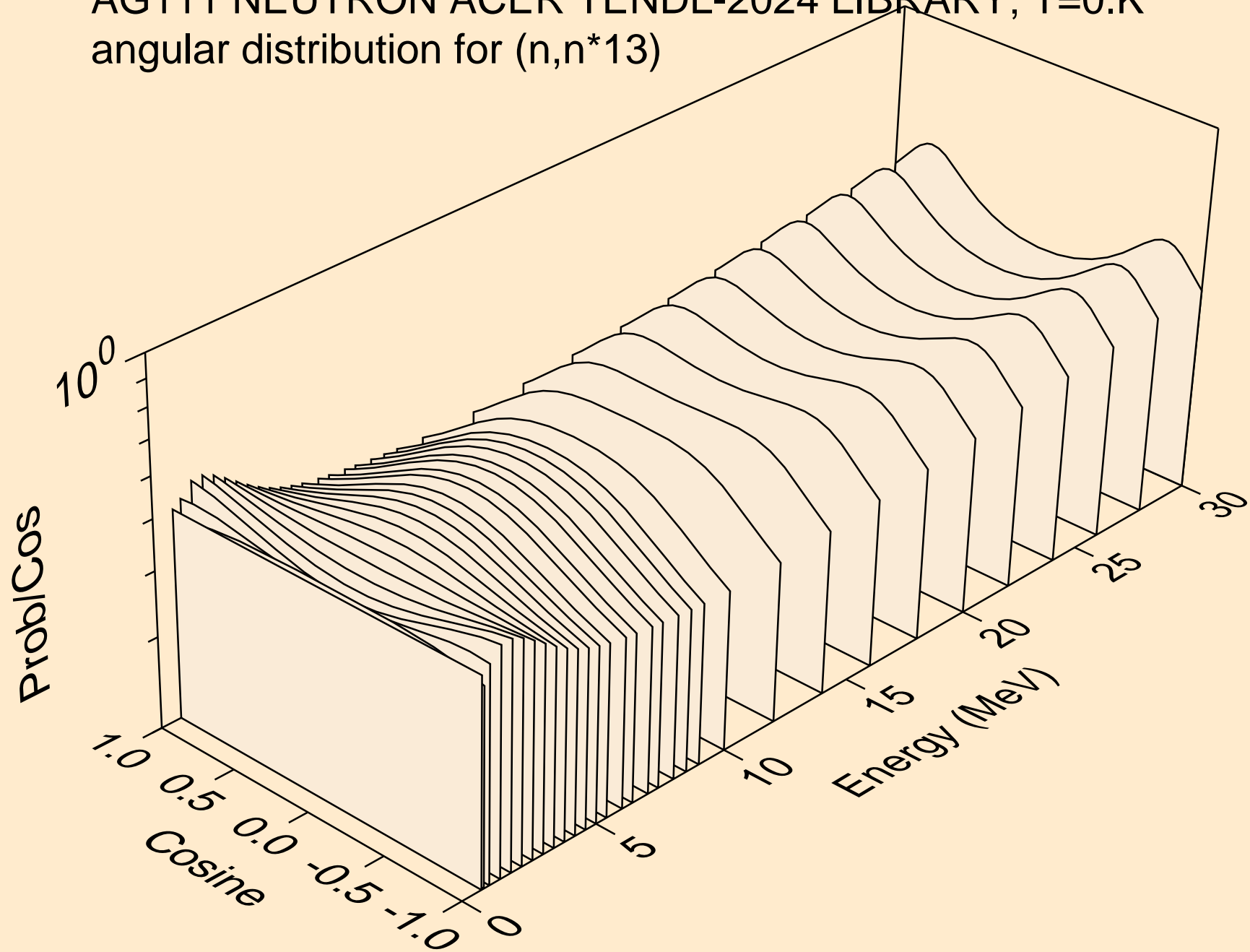
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



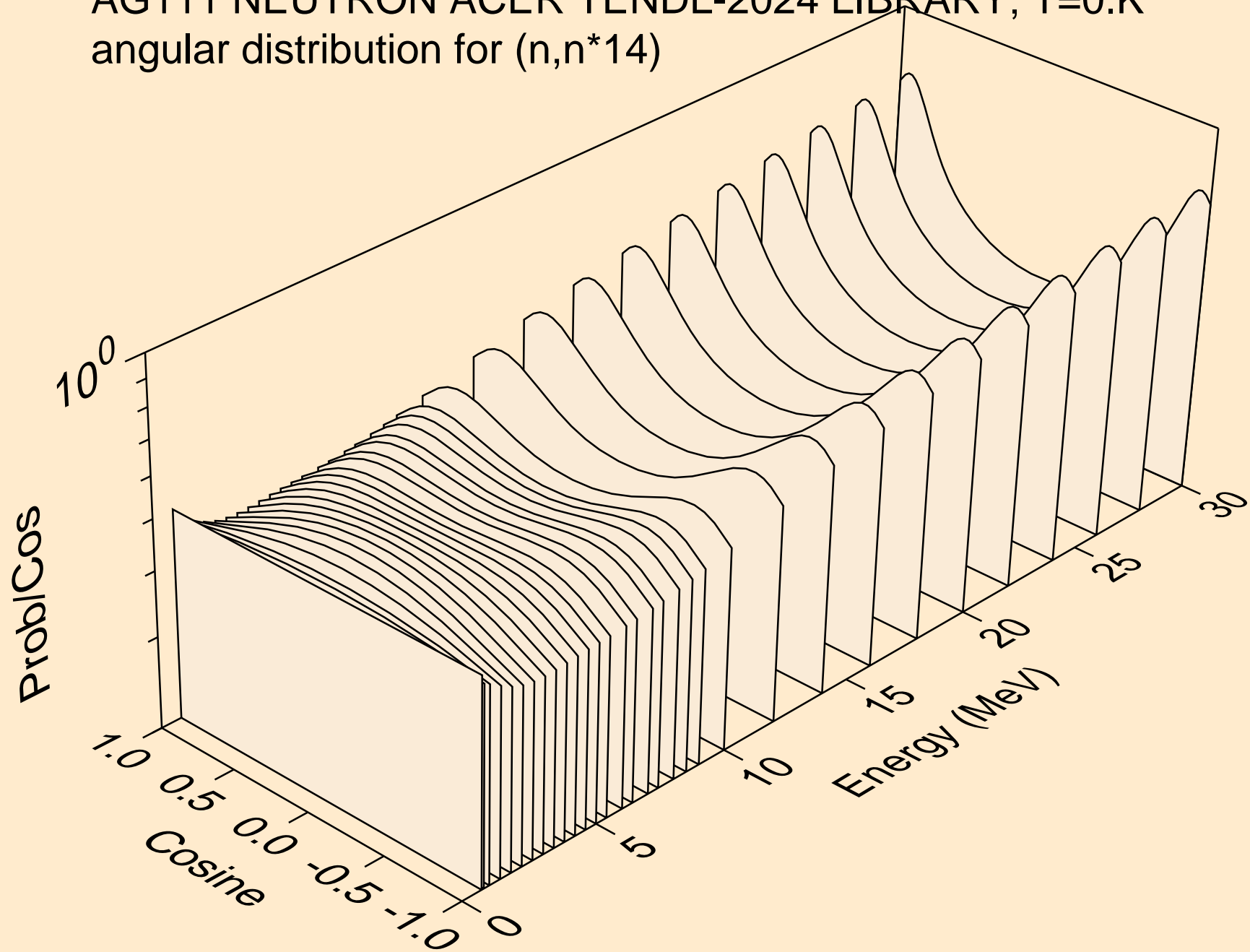
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angular distribution for (n,n\*12)



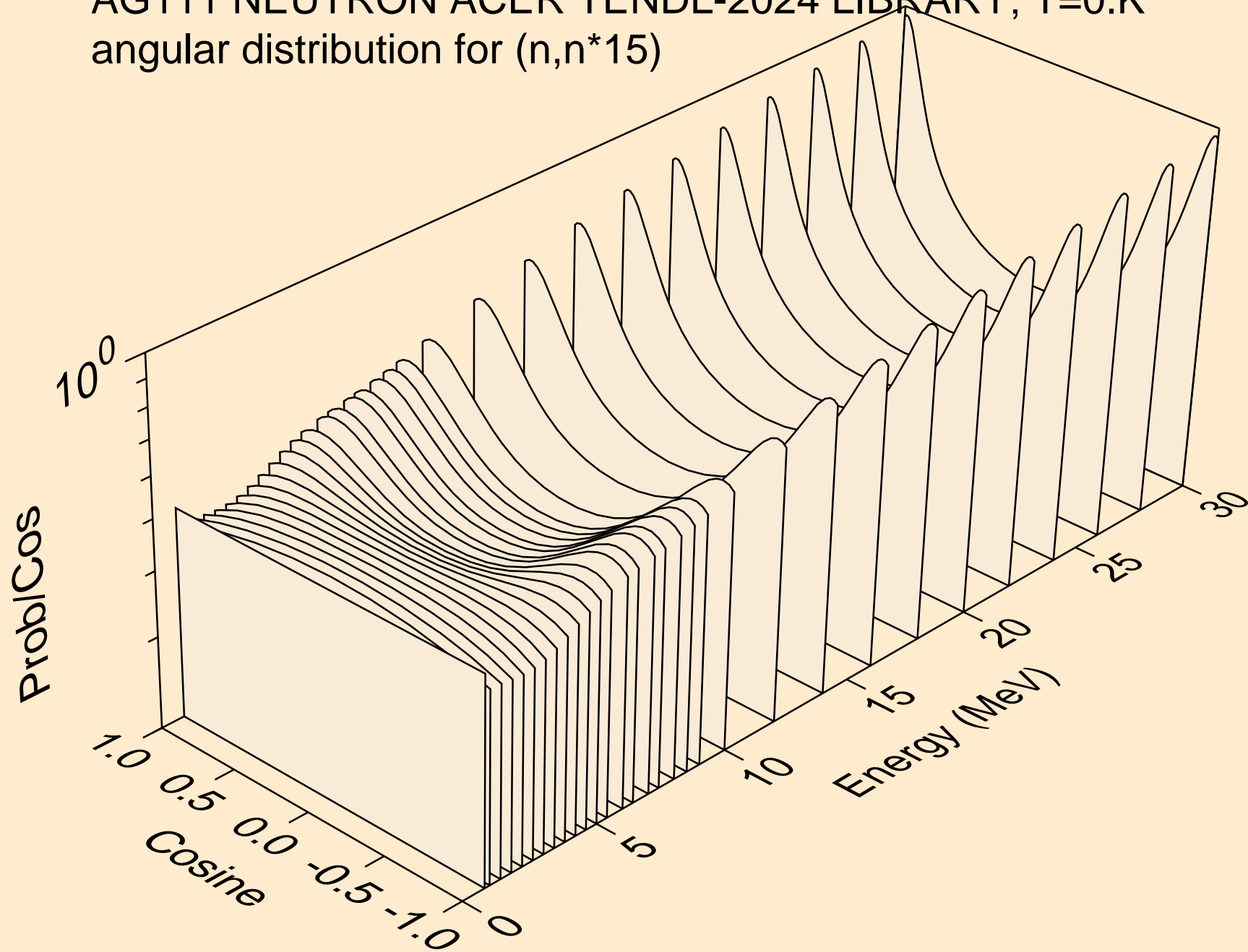
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angular distribution for (n,n\*13)



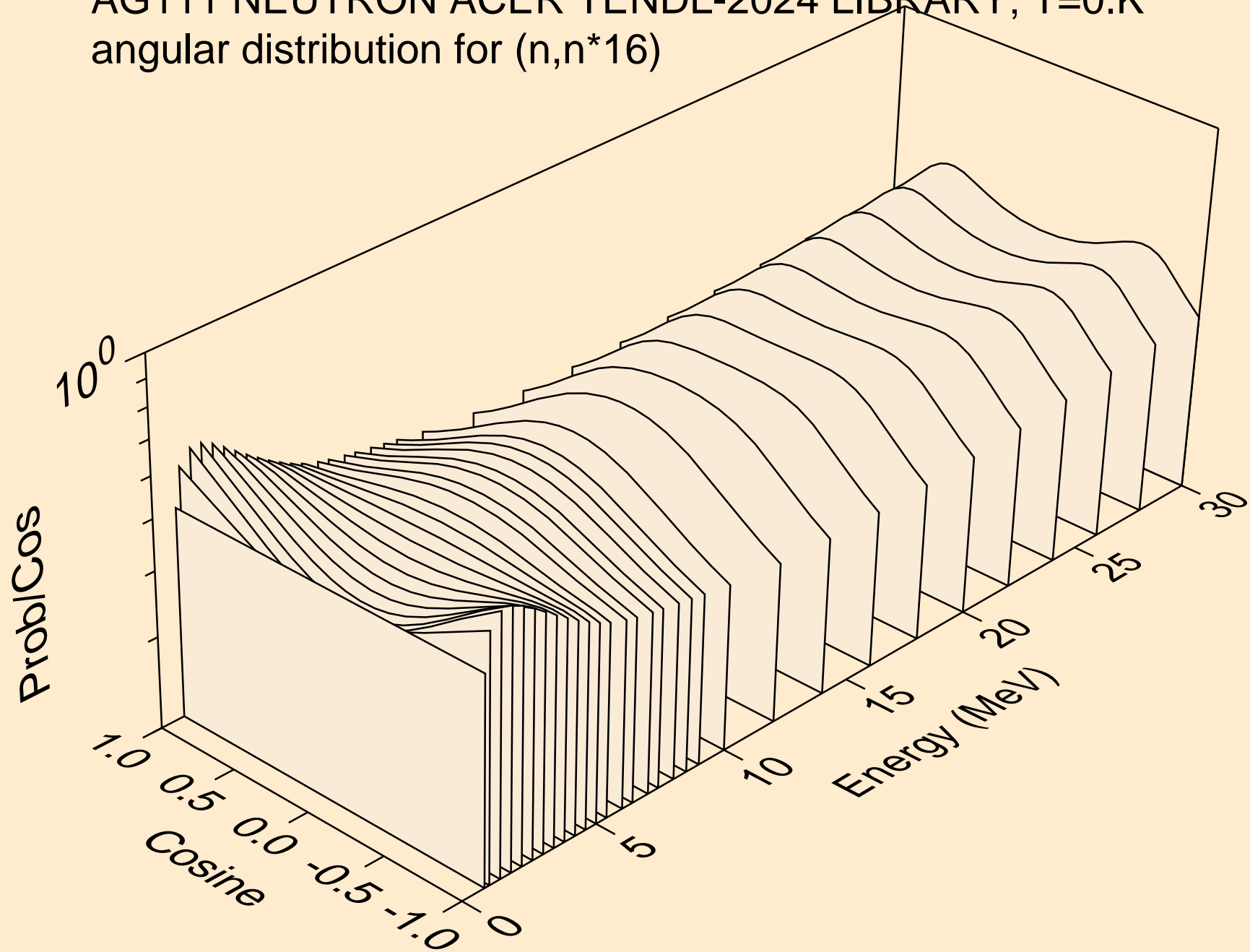
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angular distribution for (n,n\*14)



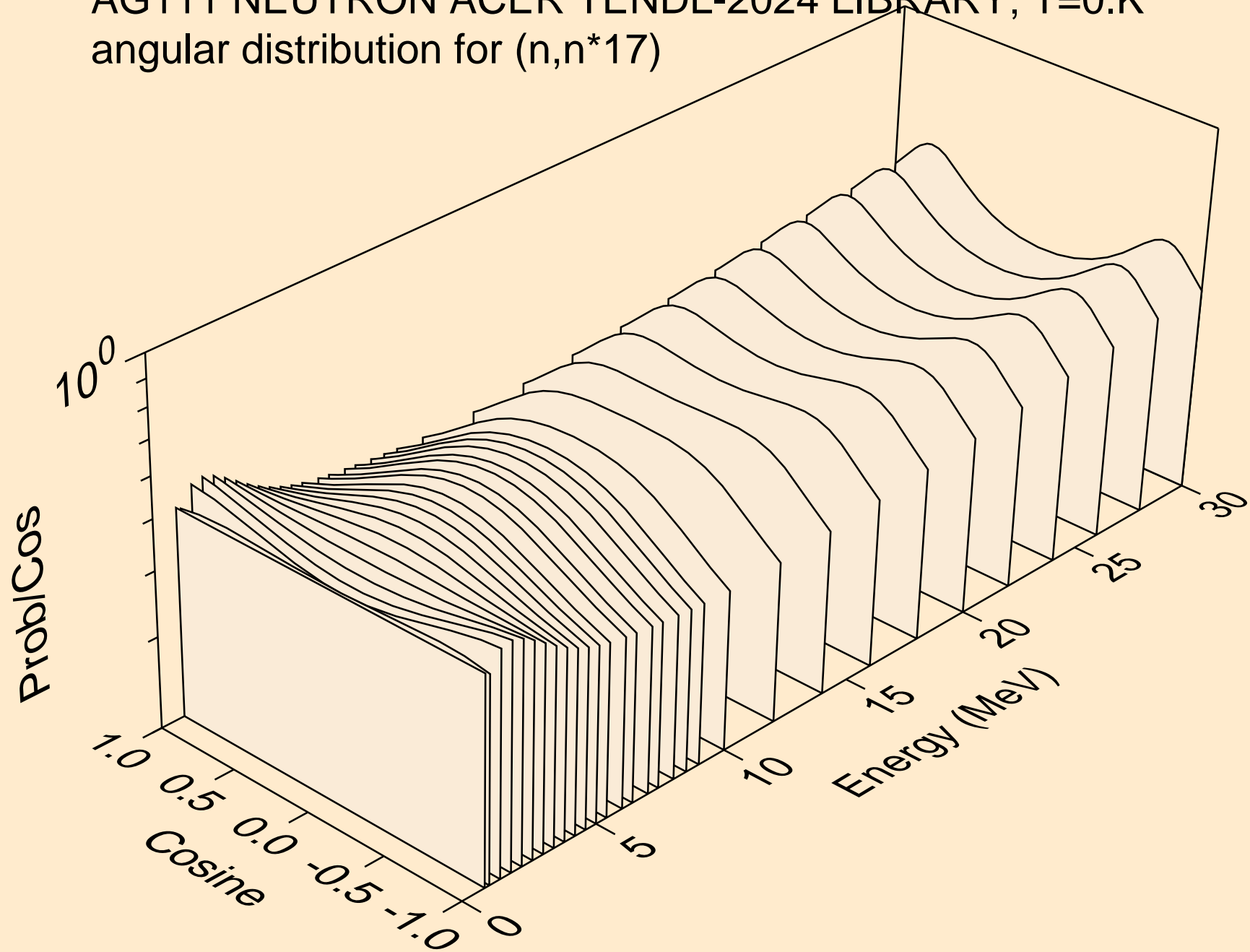
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)

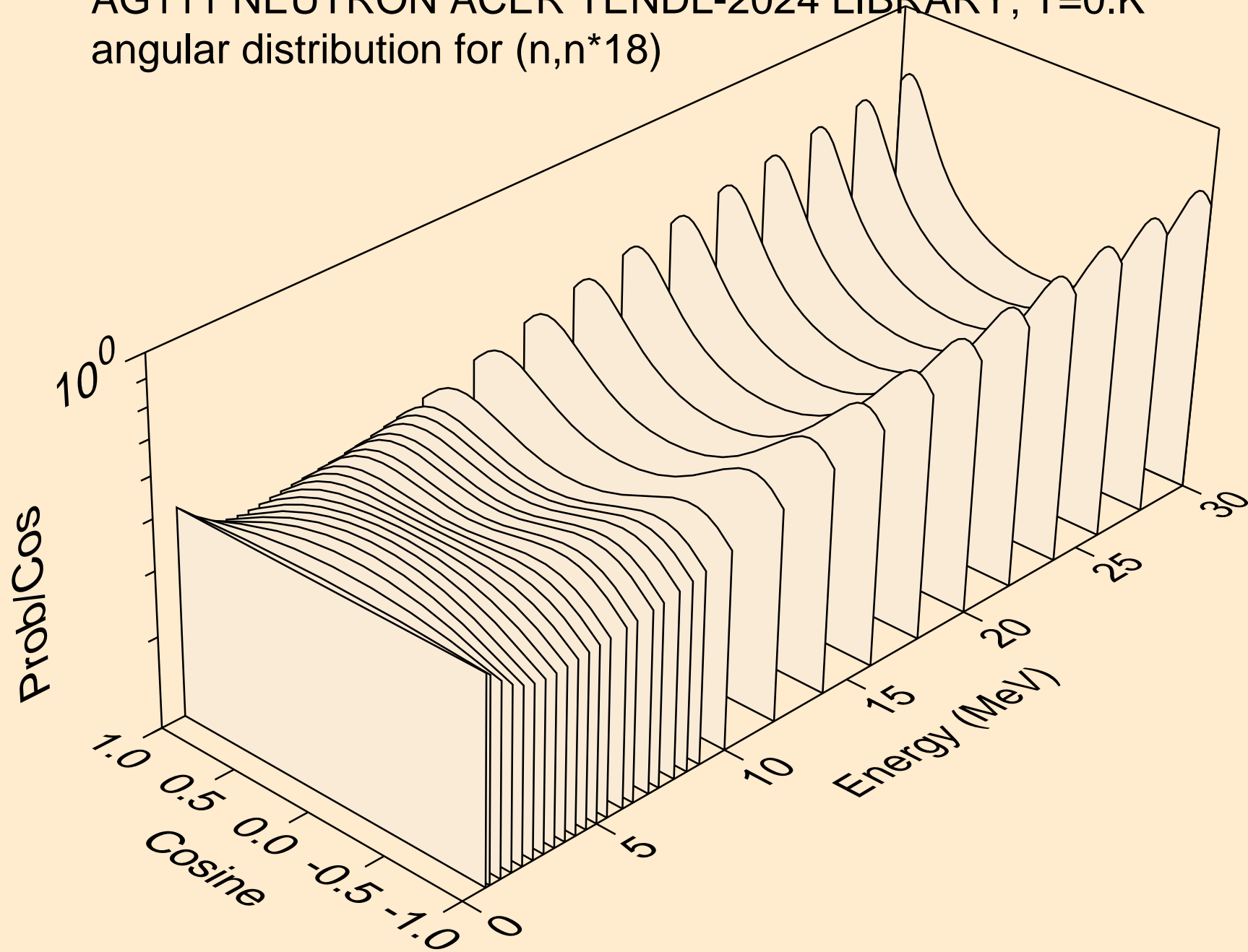


AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*17)

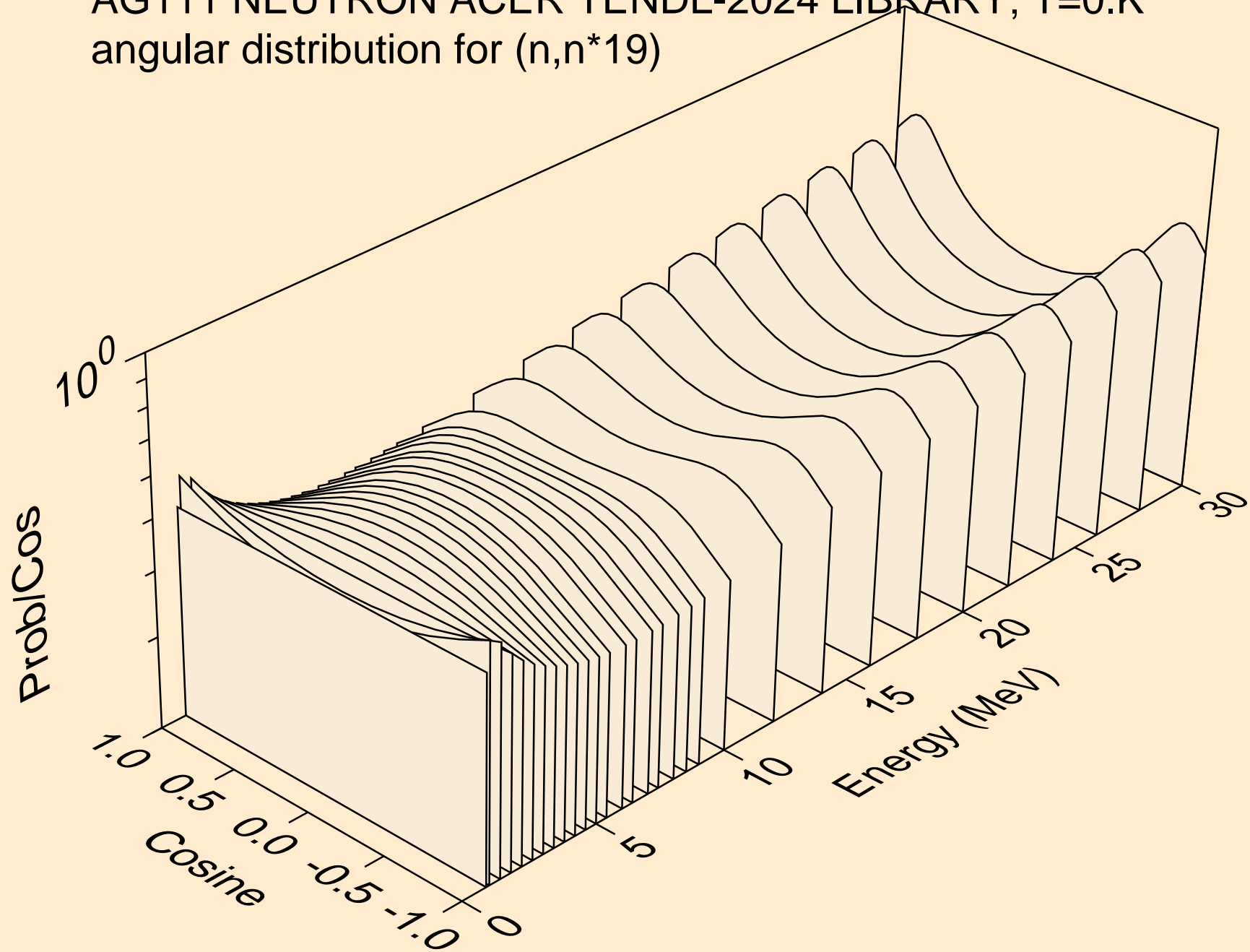




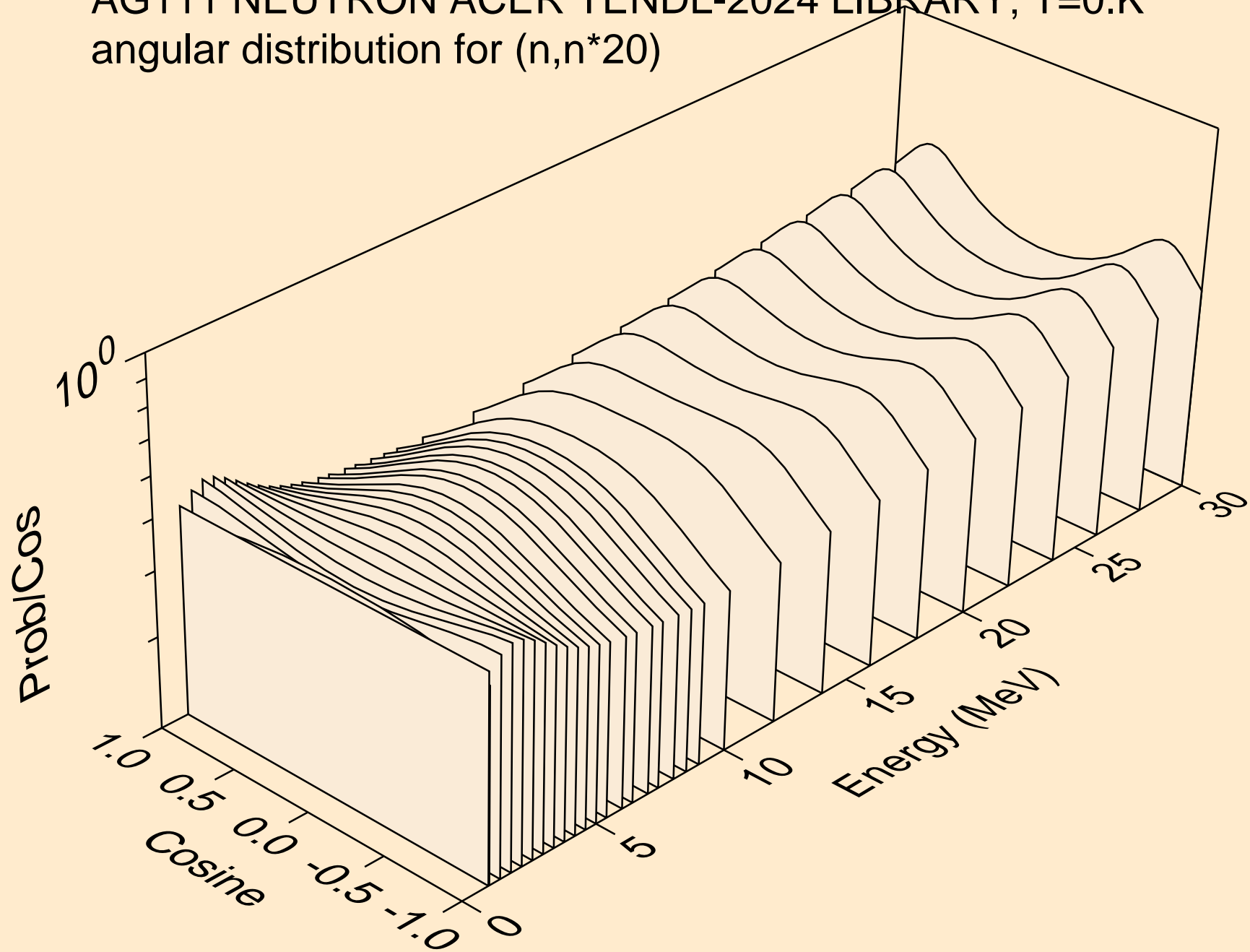
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angular distribution for (n,n\*18)



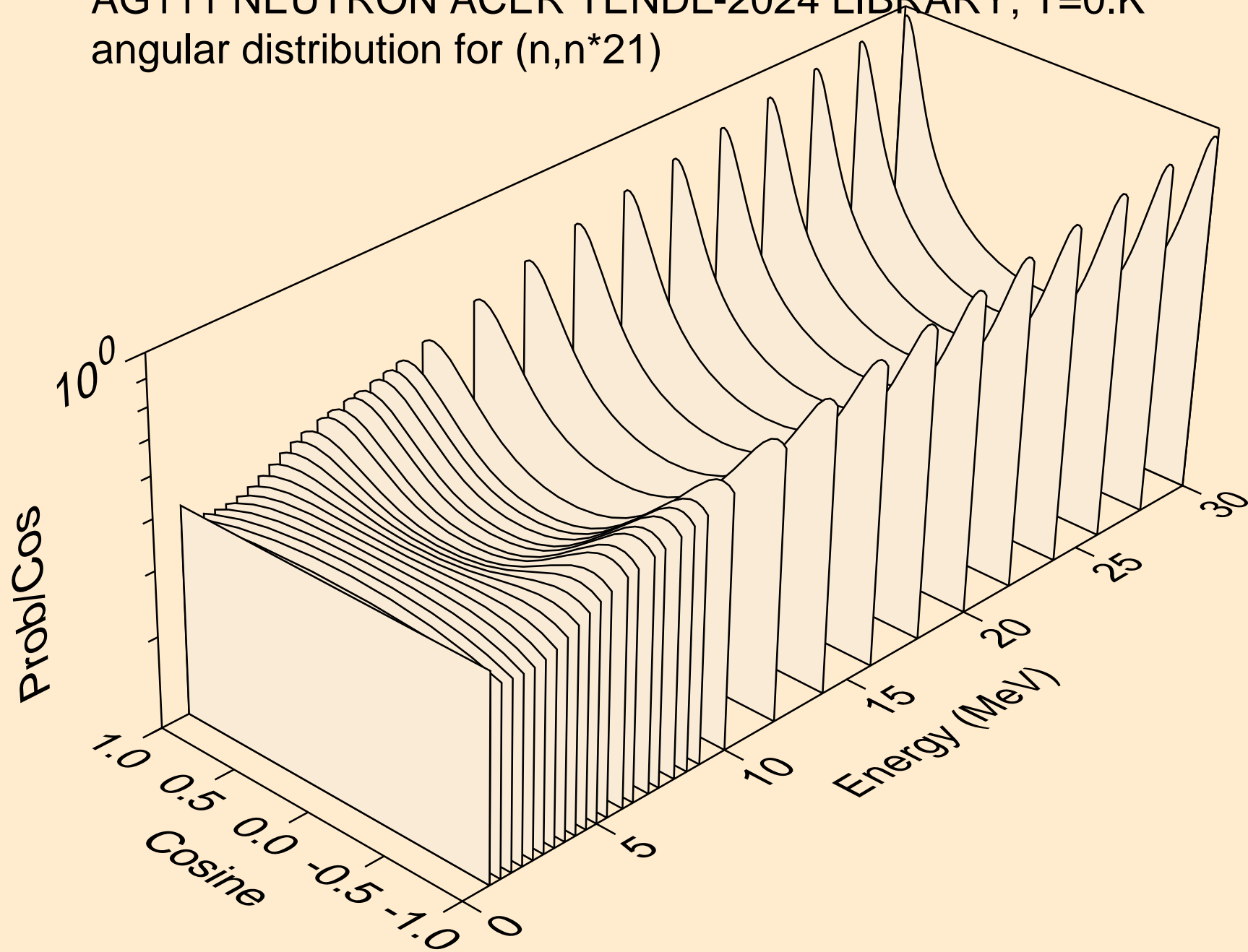
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angular distribution for (n,n\*19)



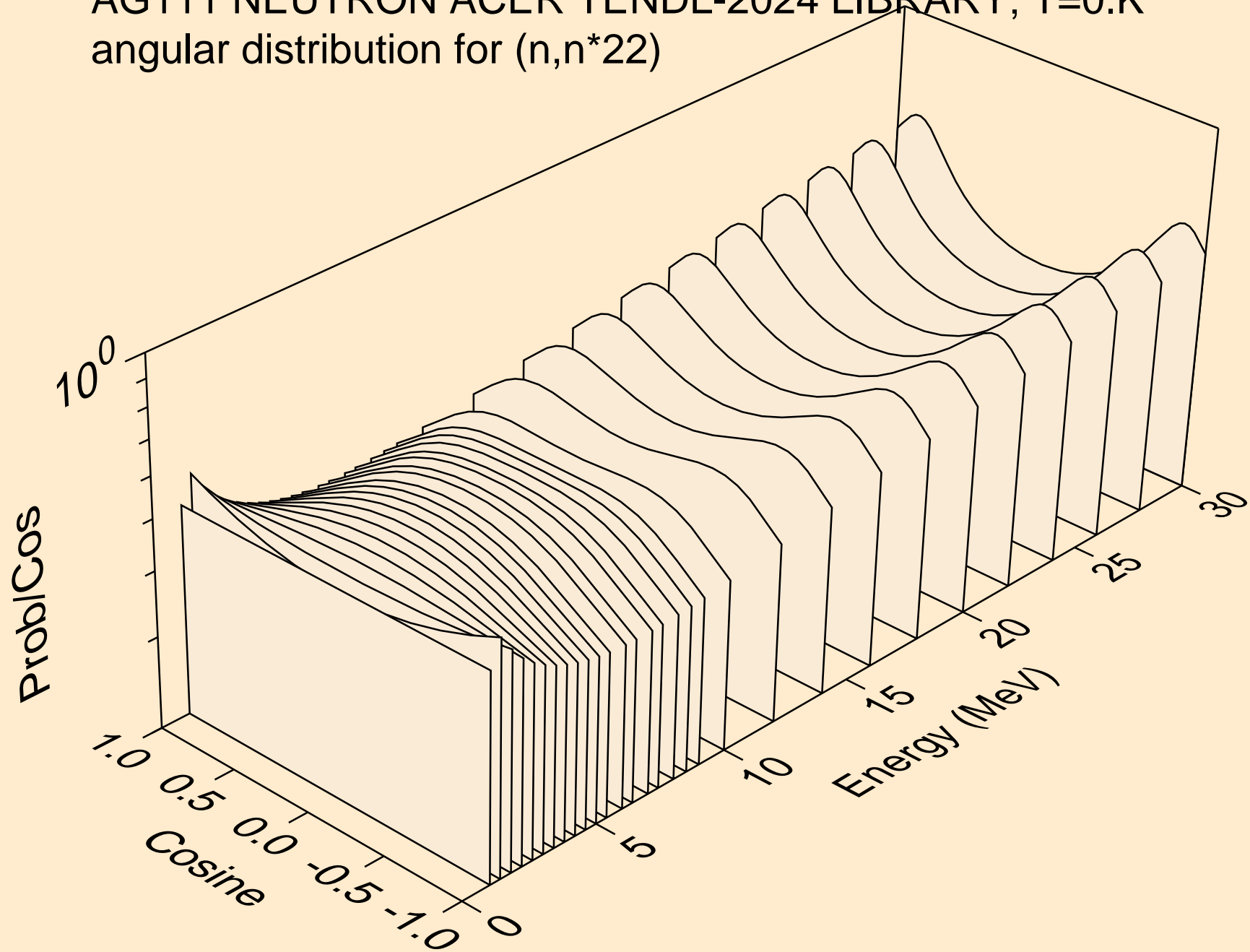
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angular distribution for (n,n\*20)



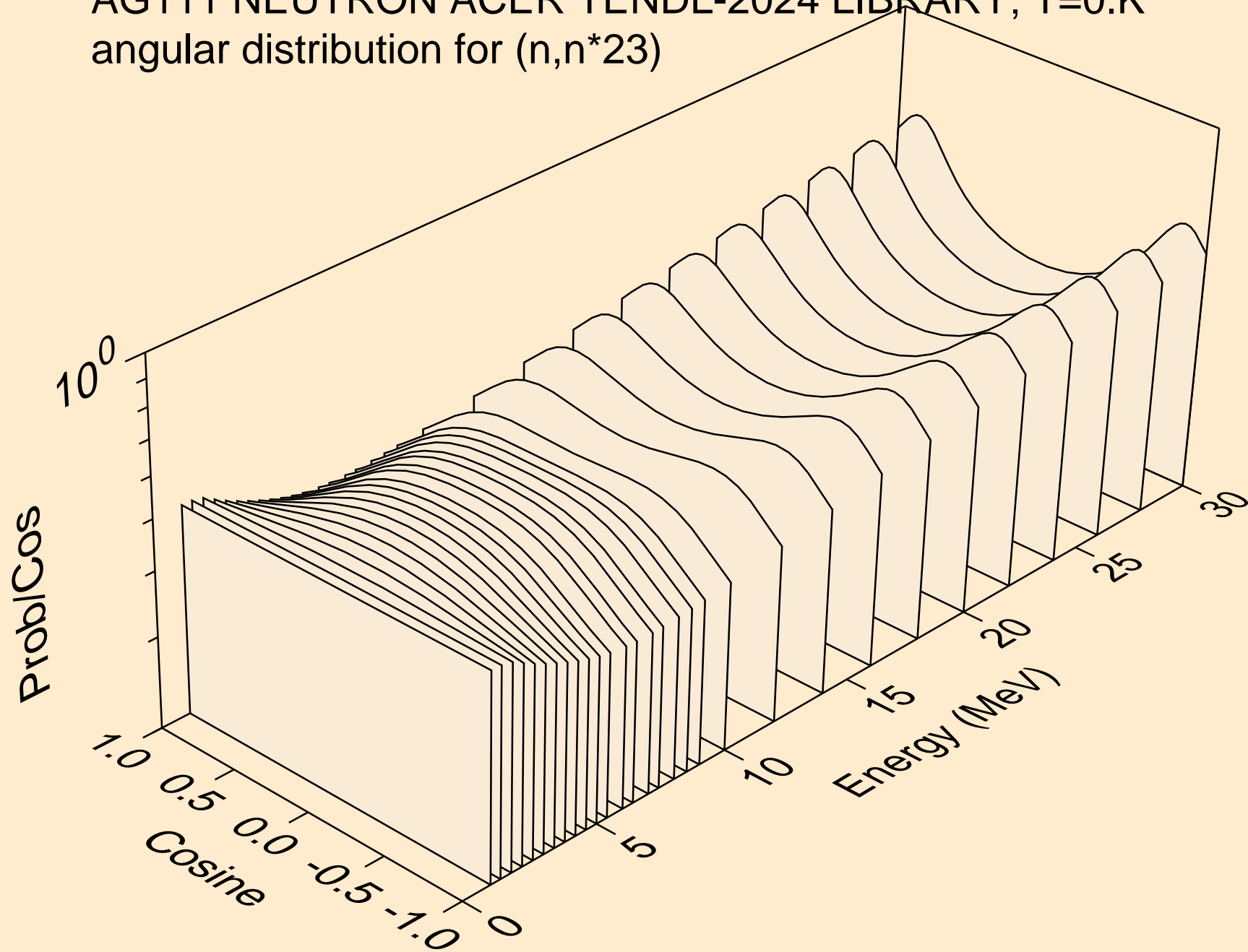
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angular distribution for (n,n\*21)



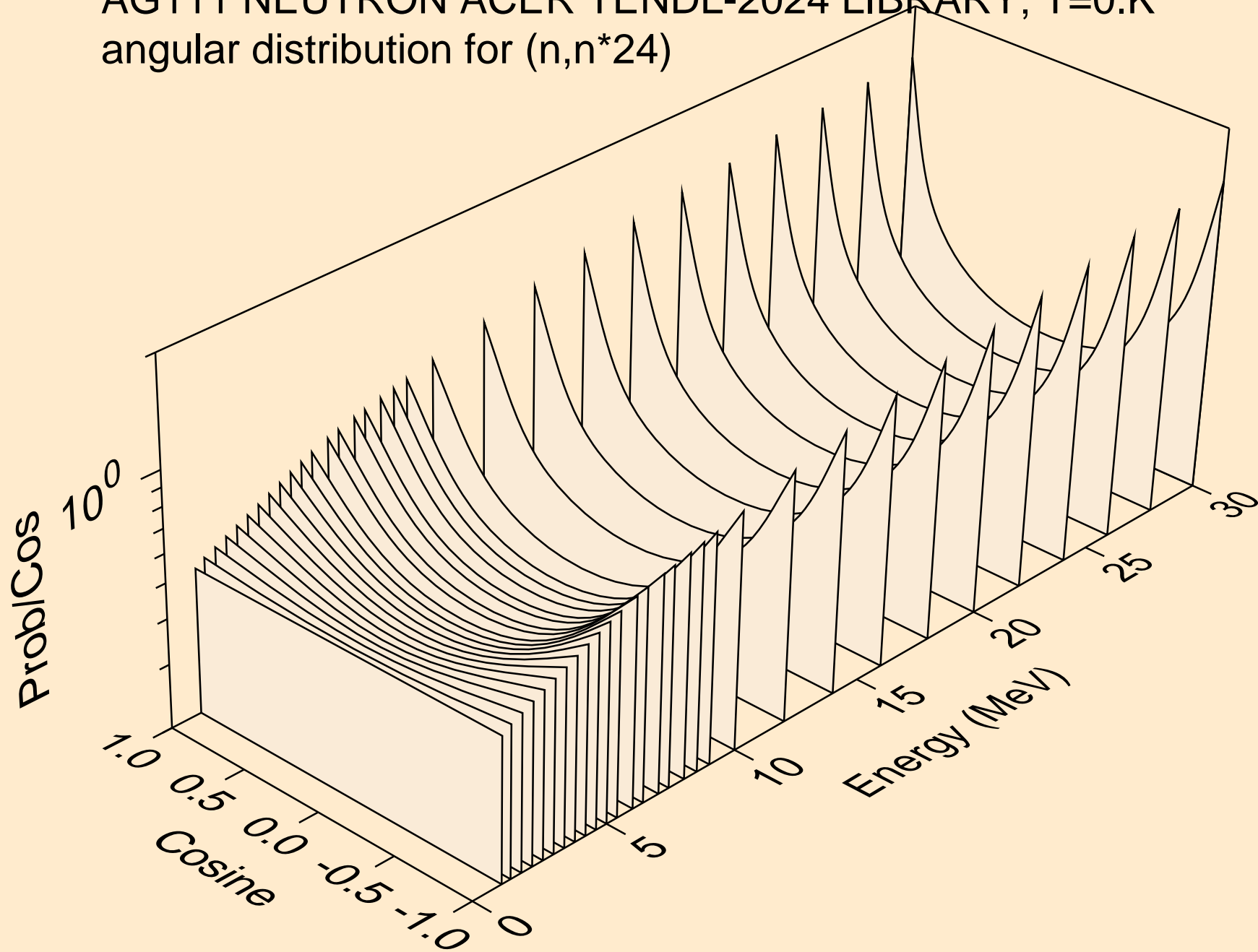
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angular distribution for (n,n\*22)



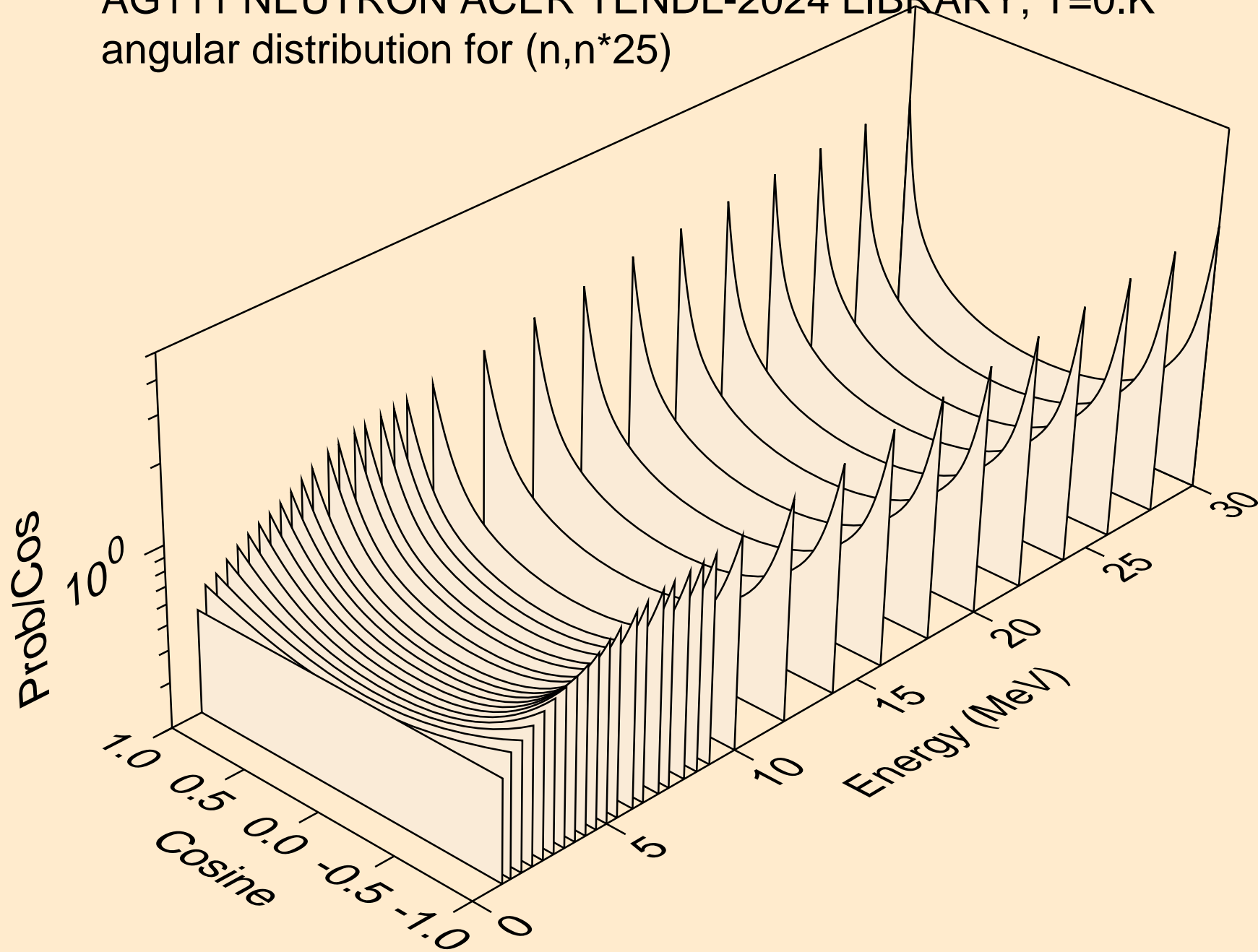
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*23)



AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*24)

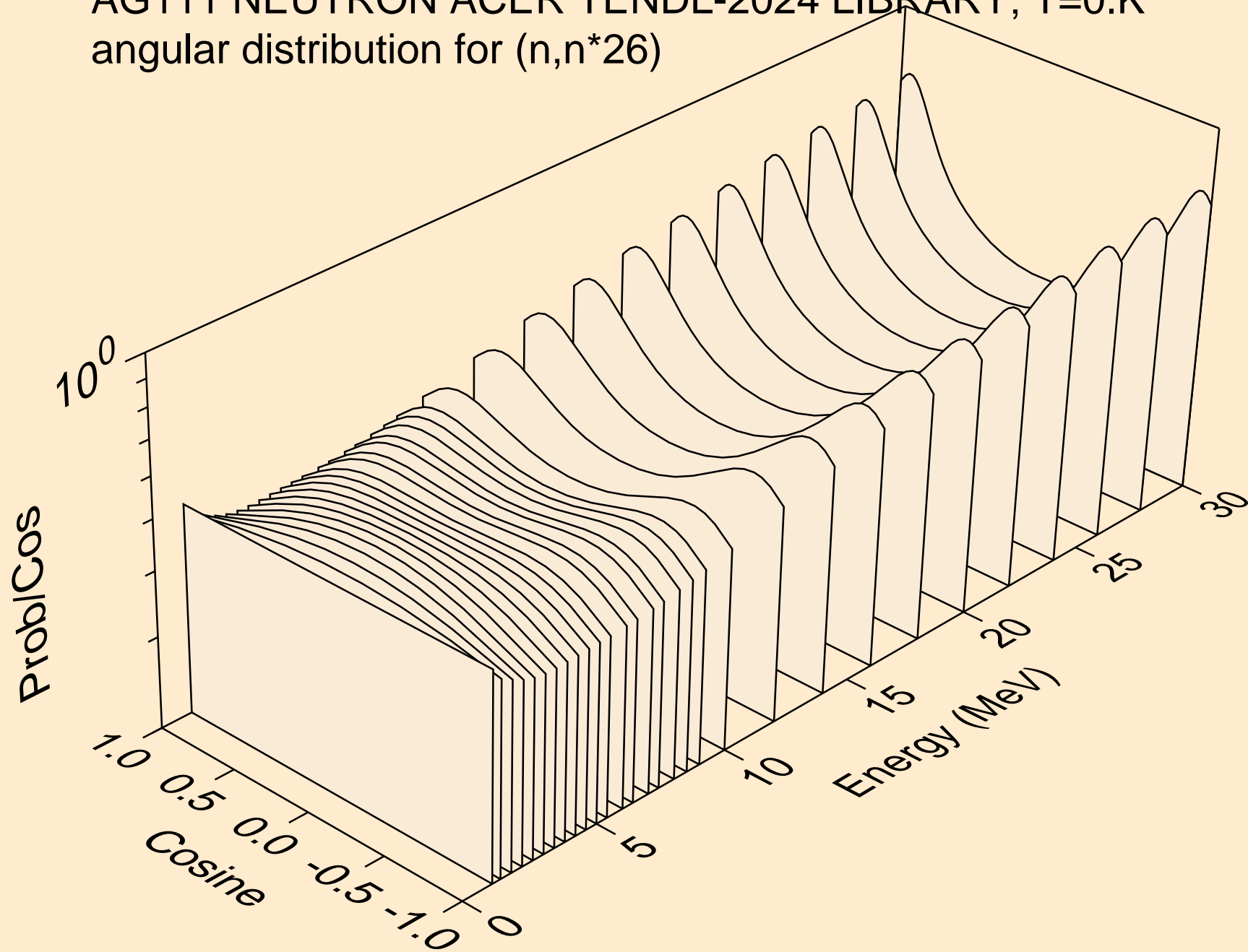


AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*25)

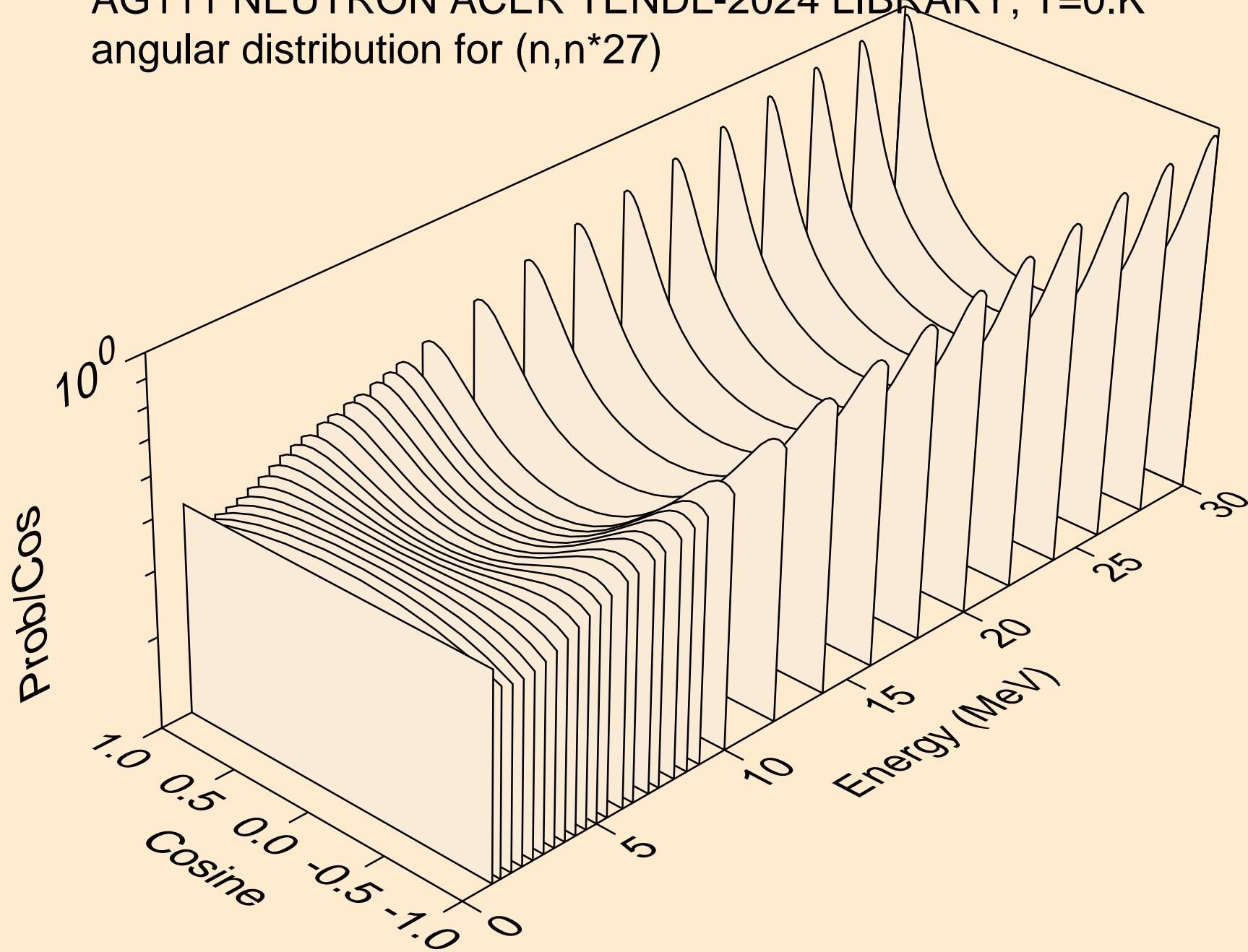




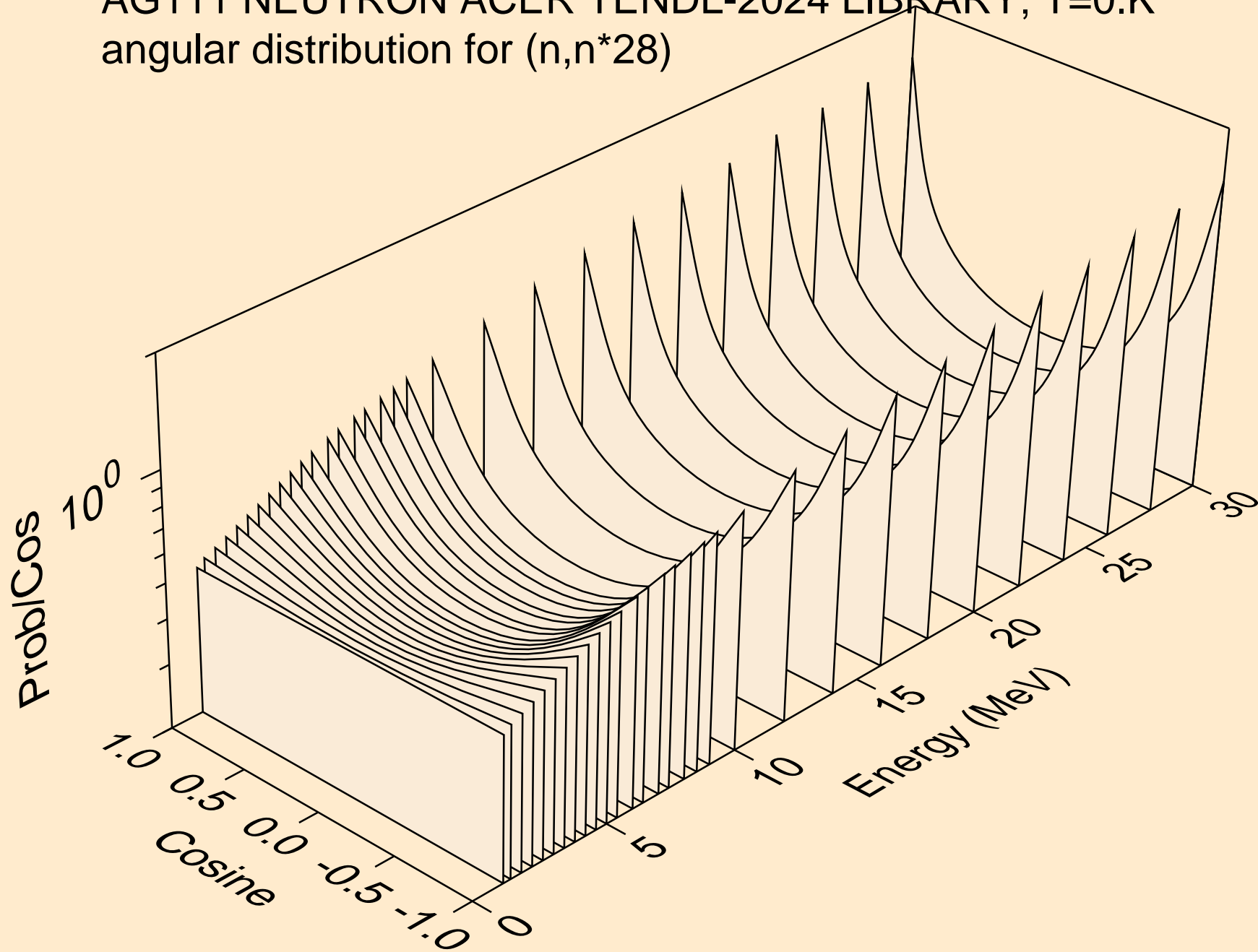
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



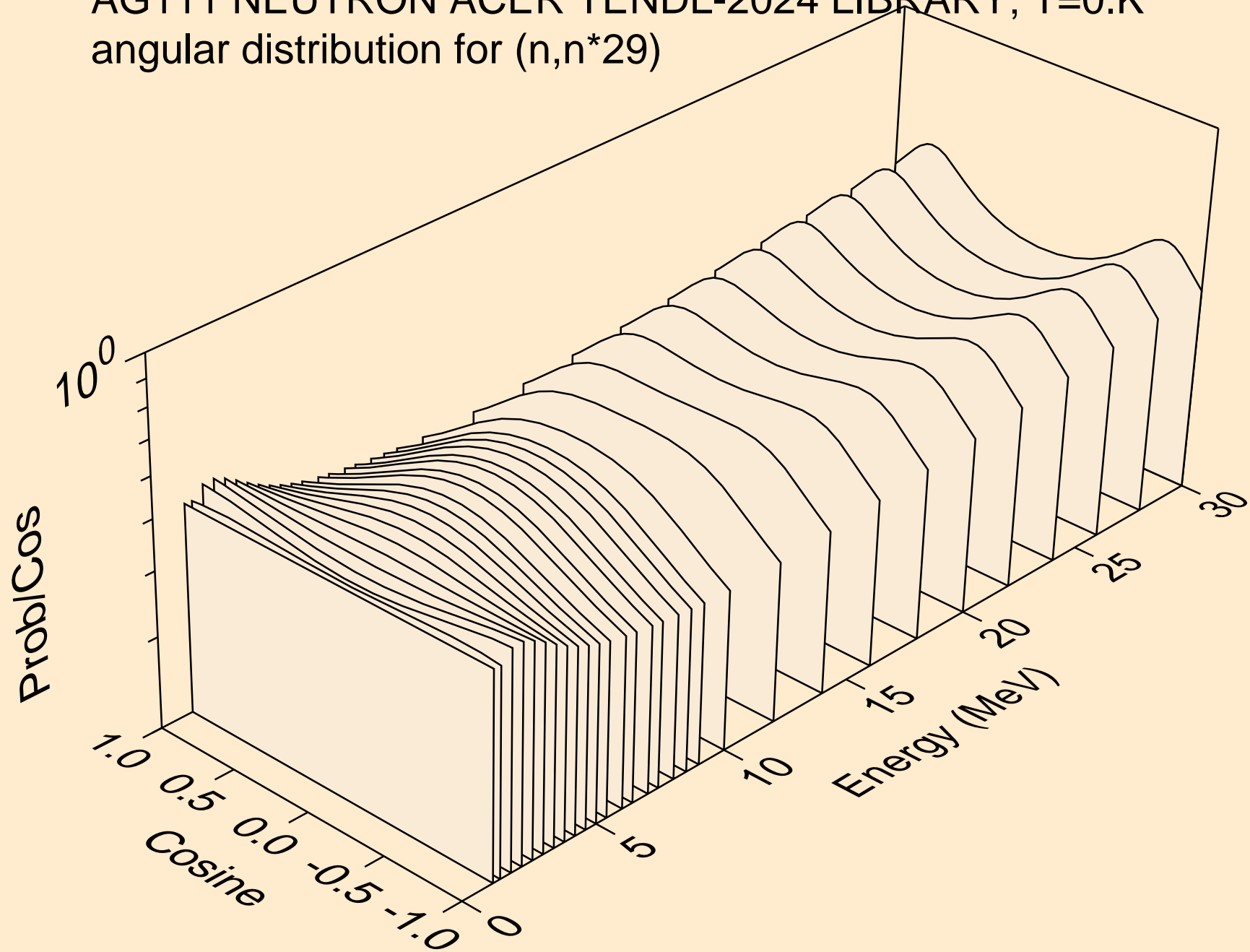
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



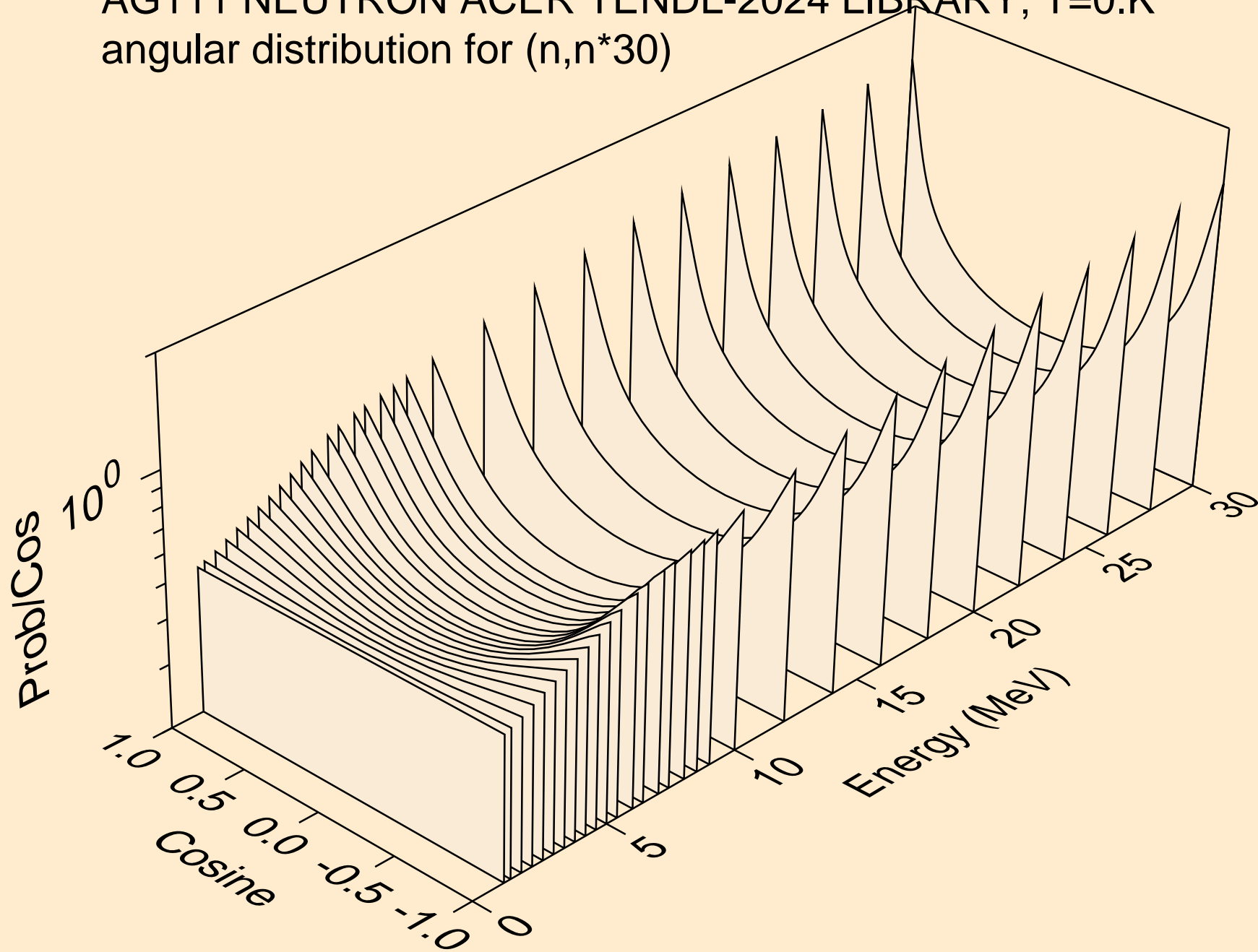
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*28)



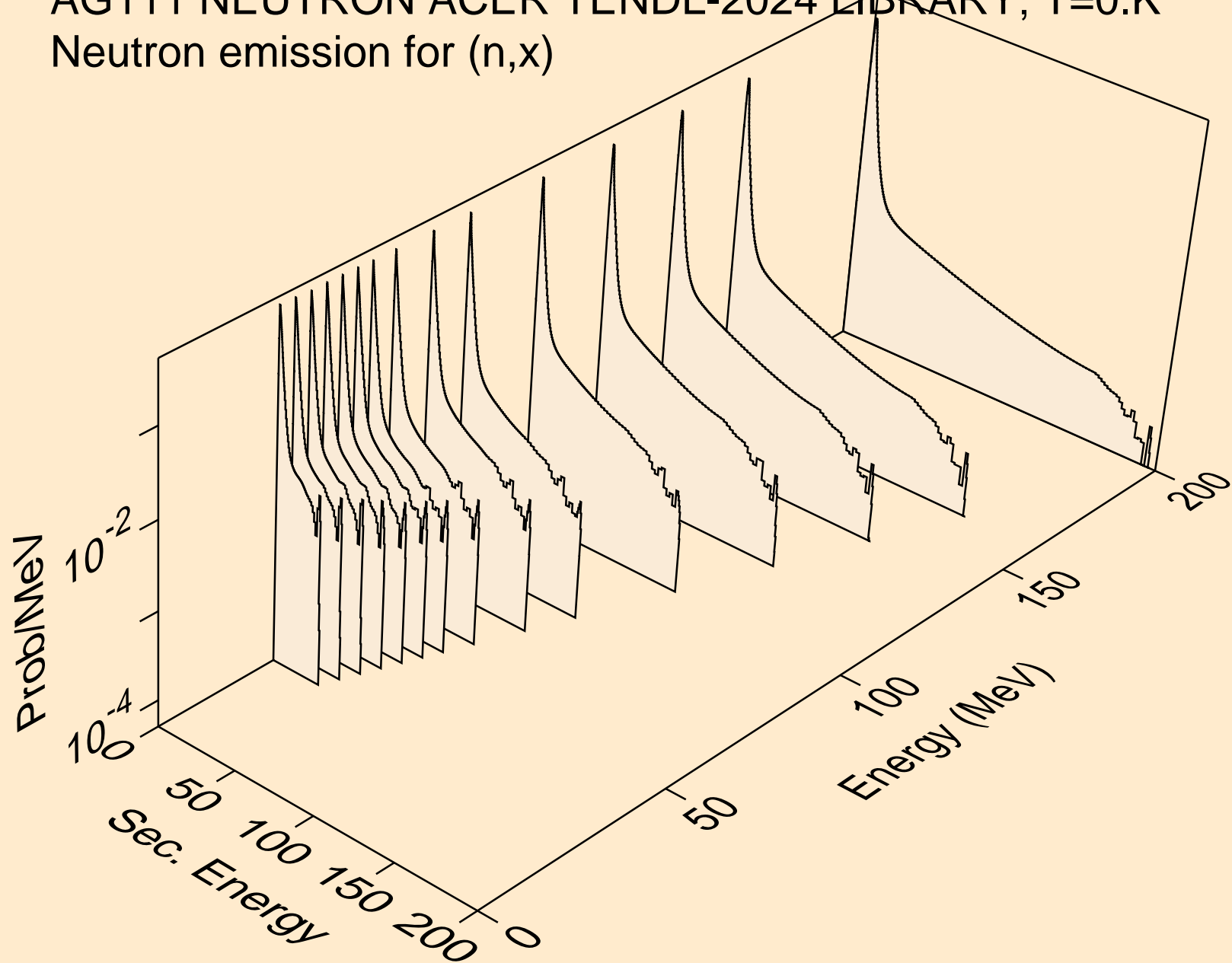
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angular distribution for (n,n\*29)



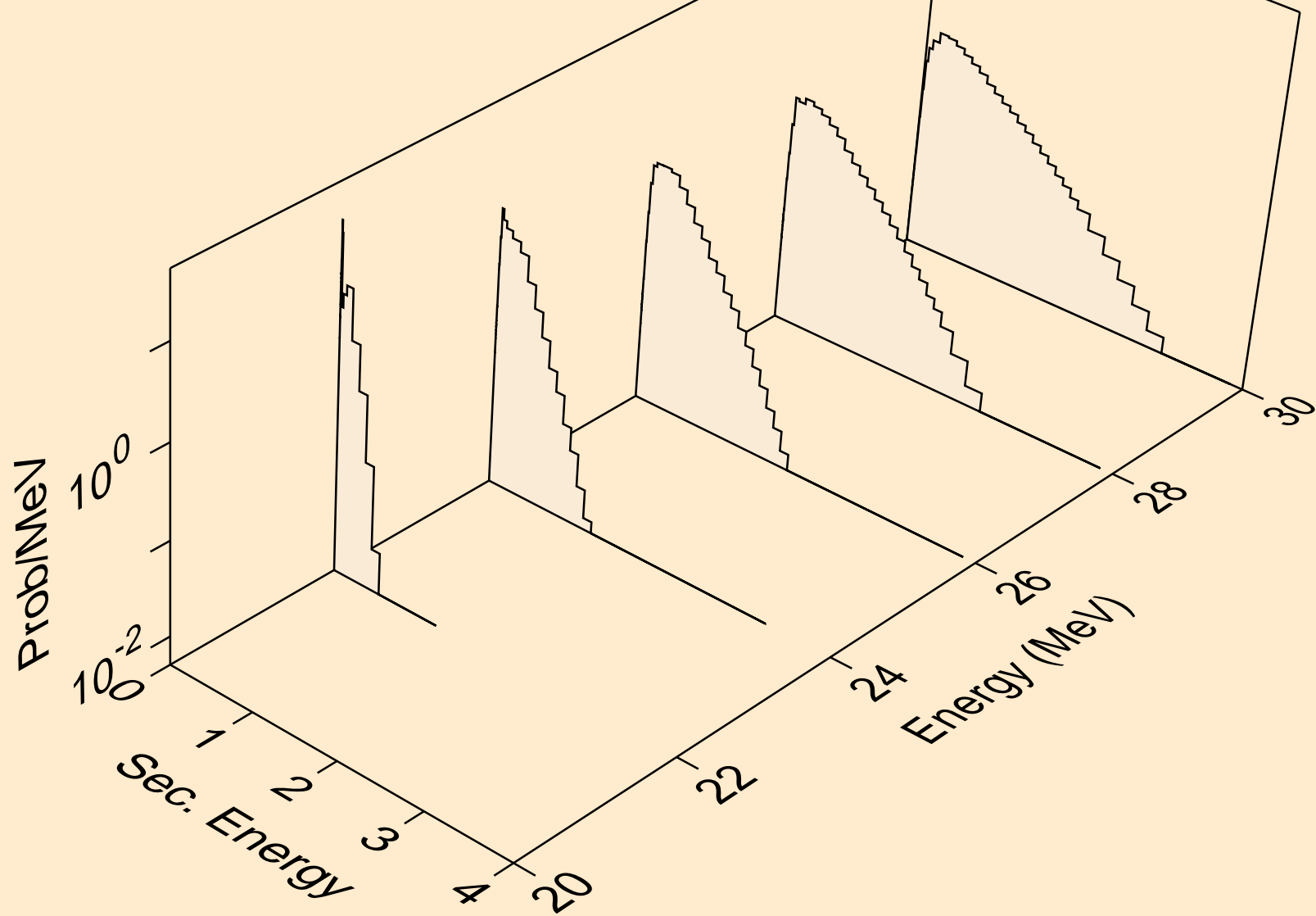
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*30)



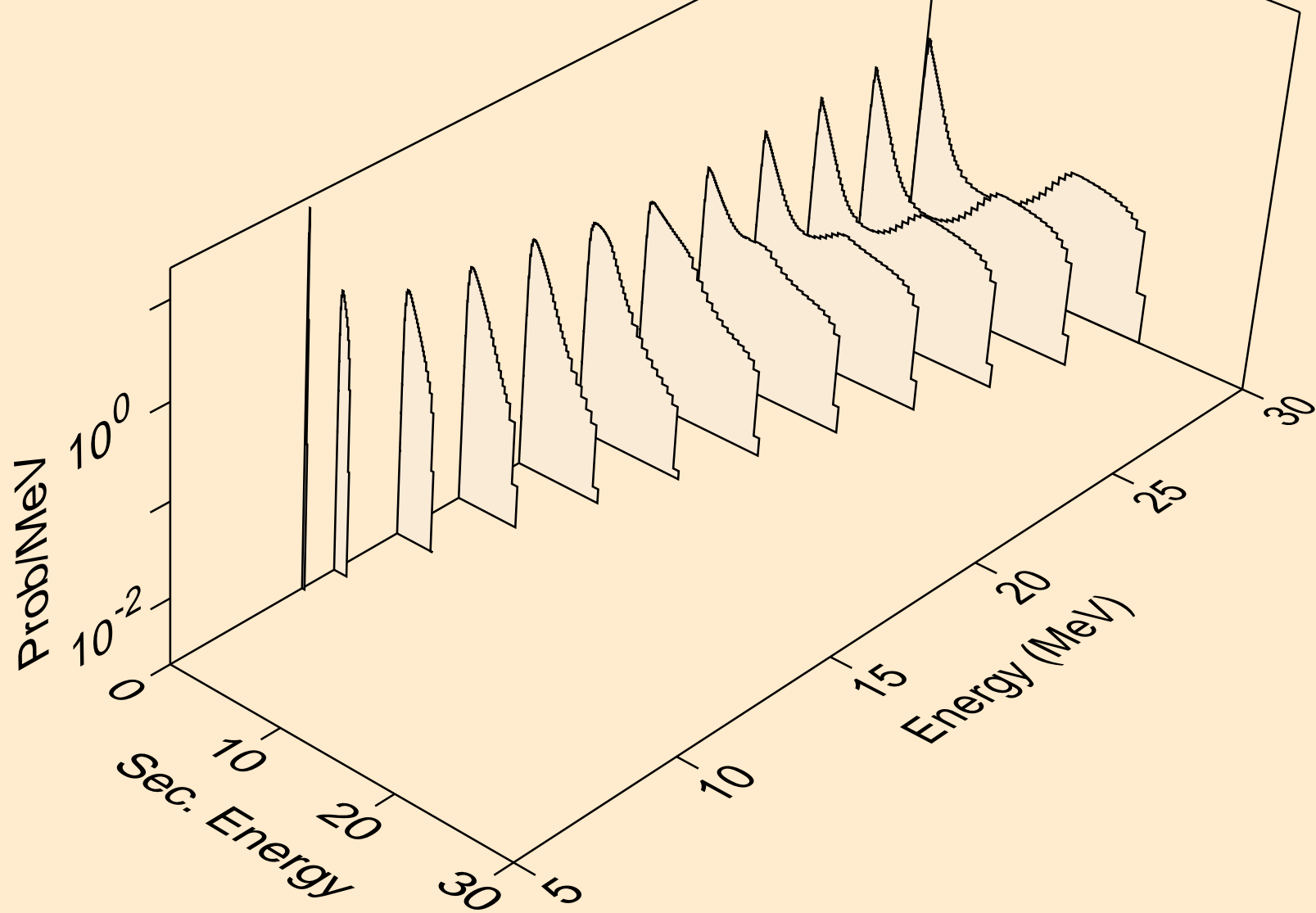
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)

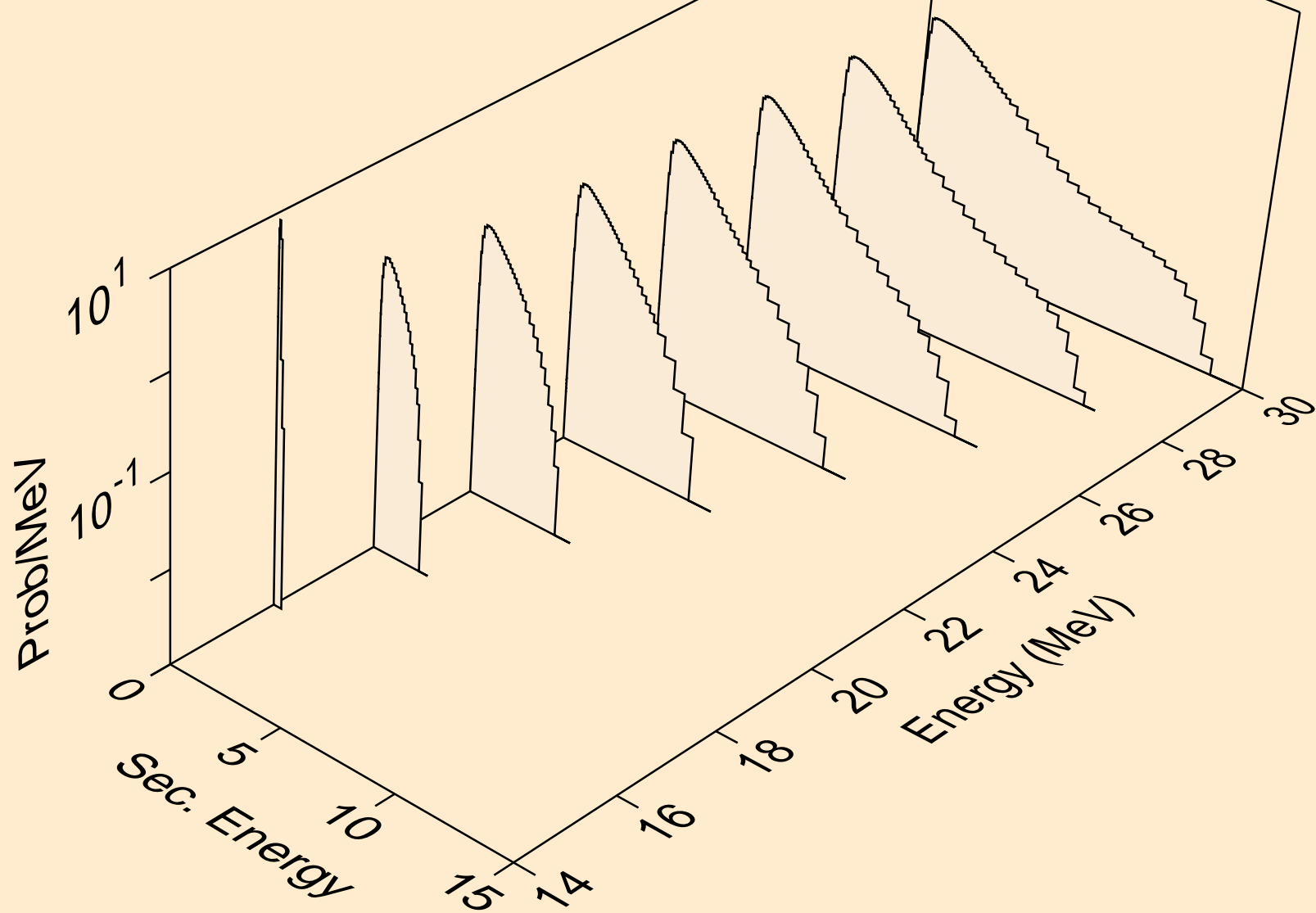


AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)

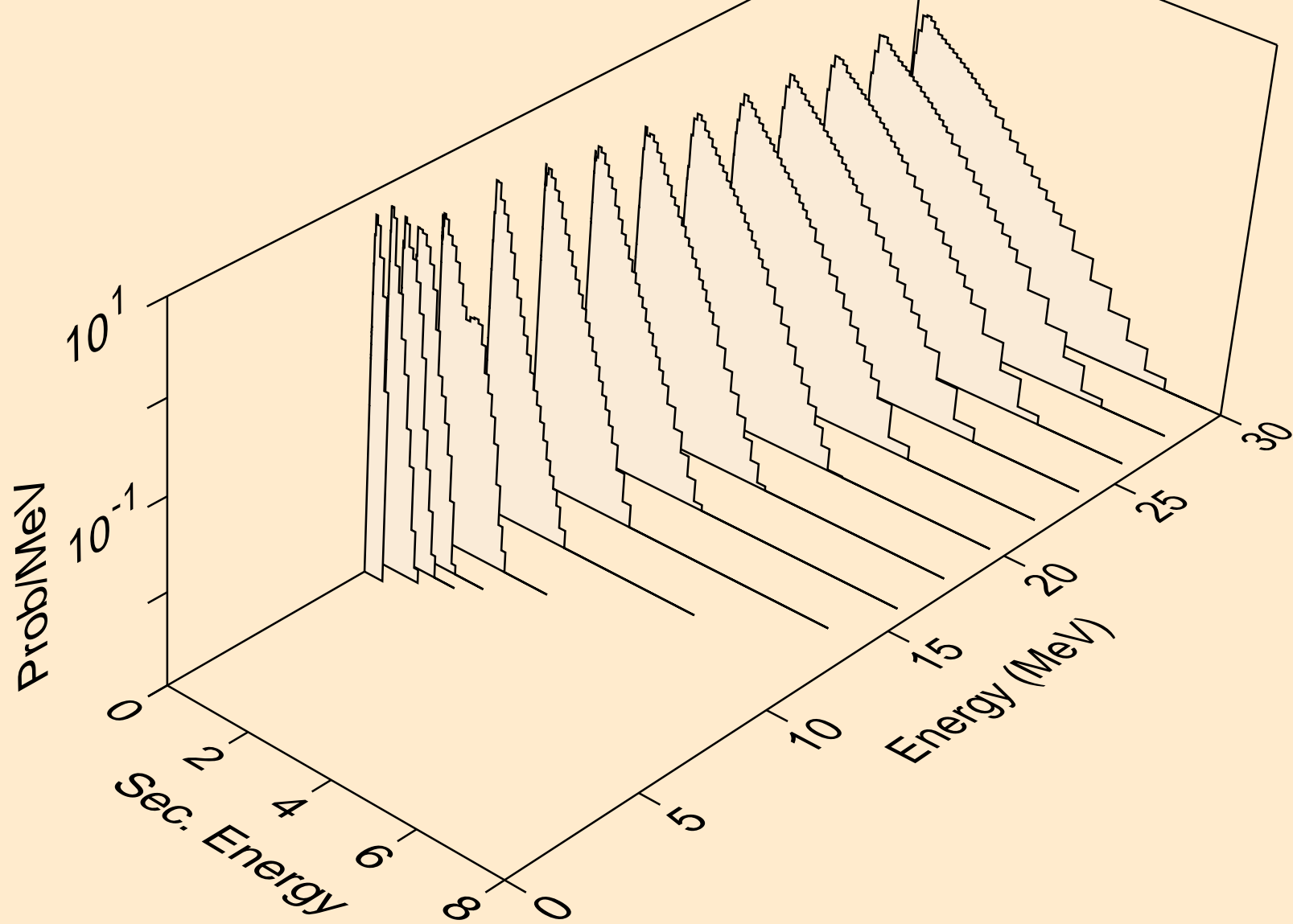




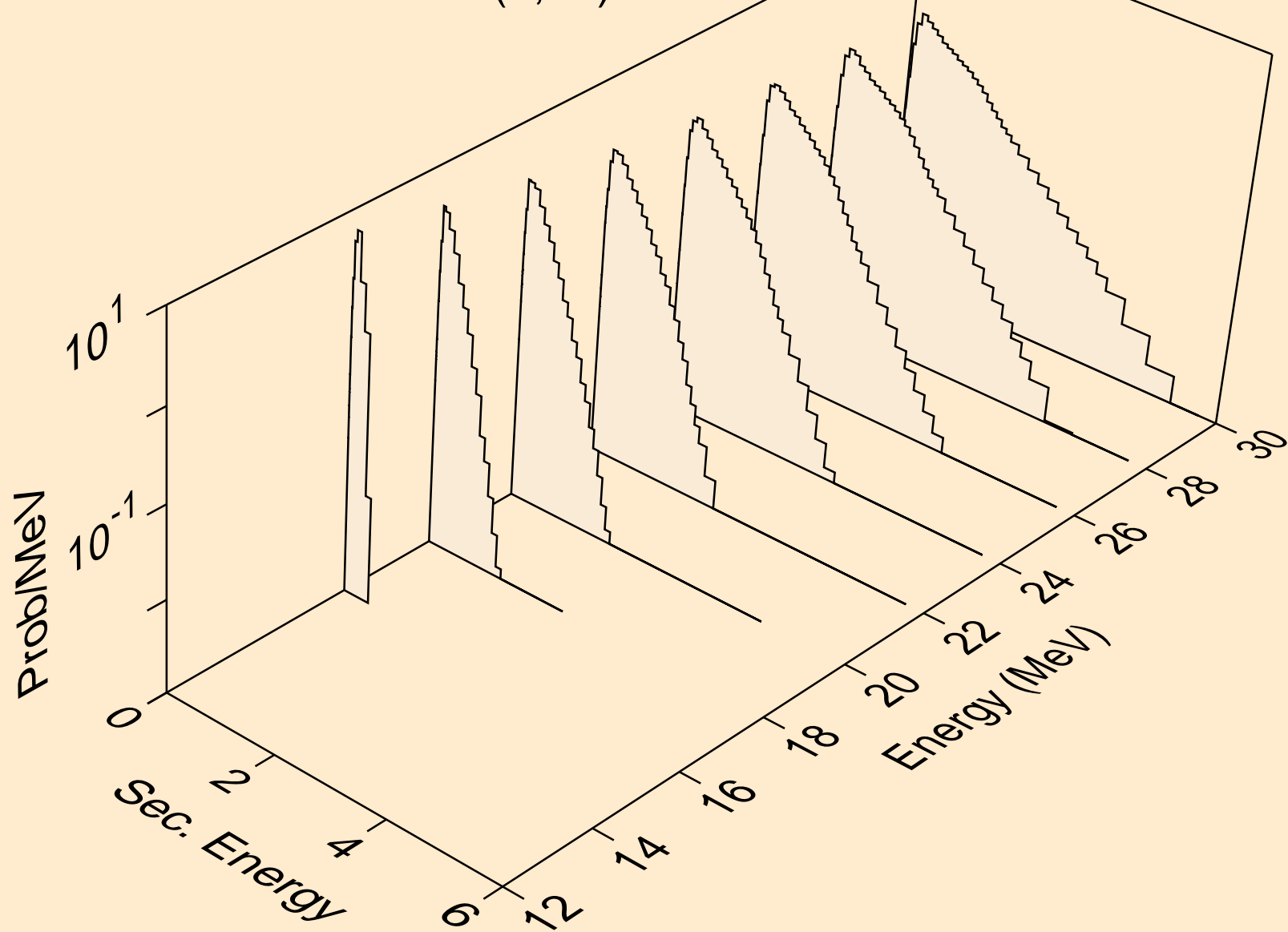
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



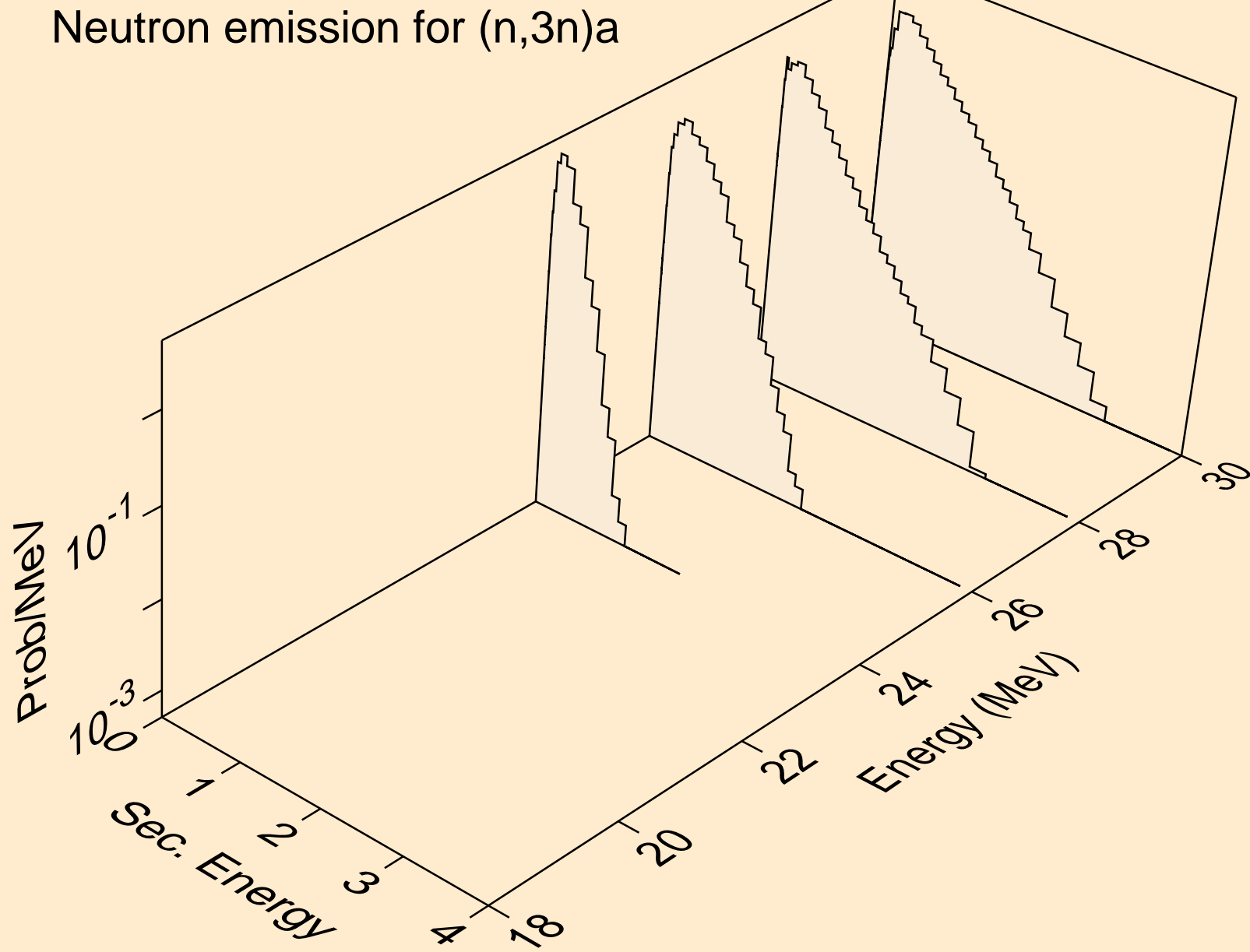
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



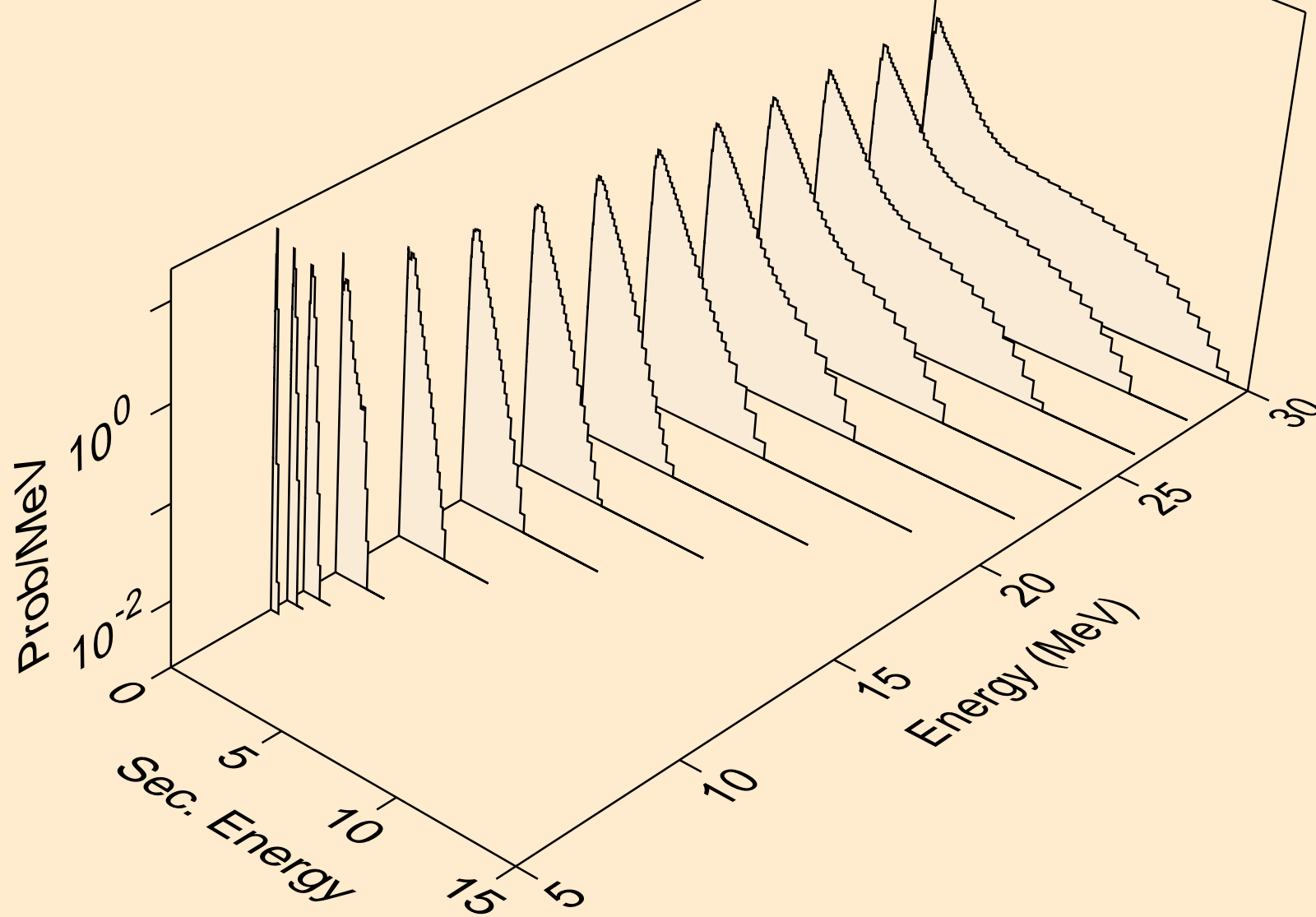
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



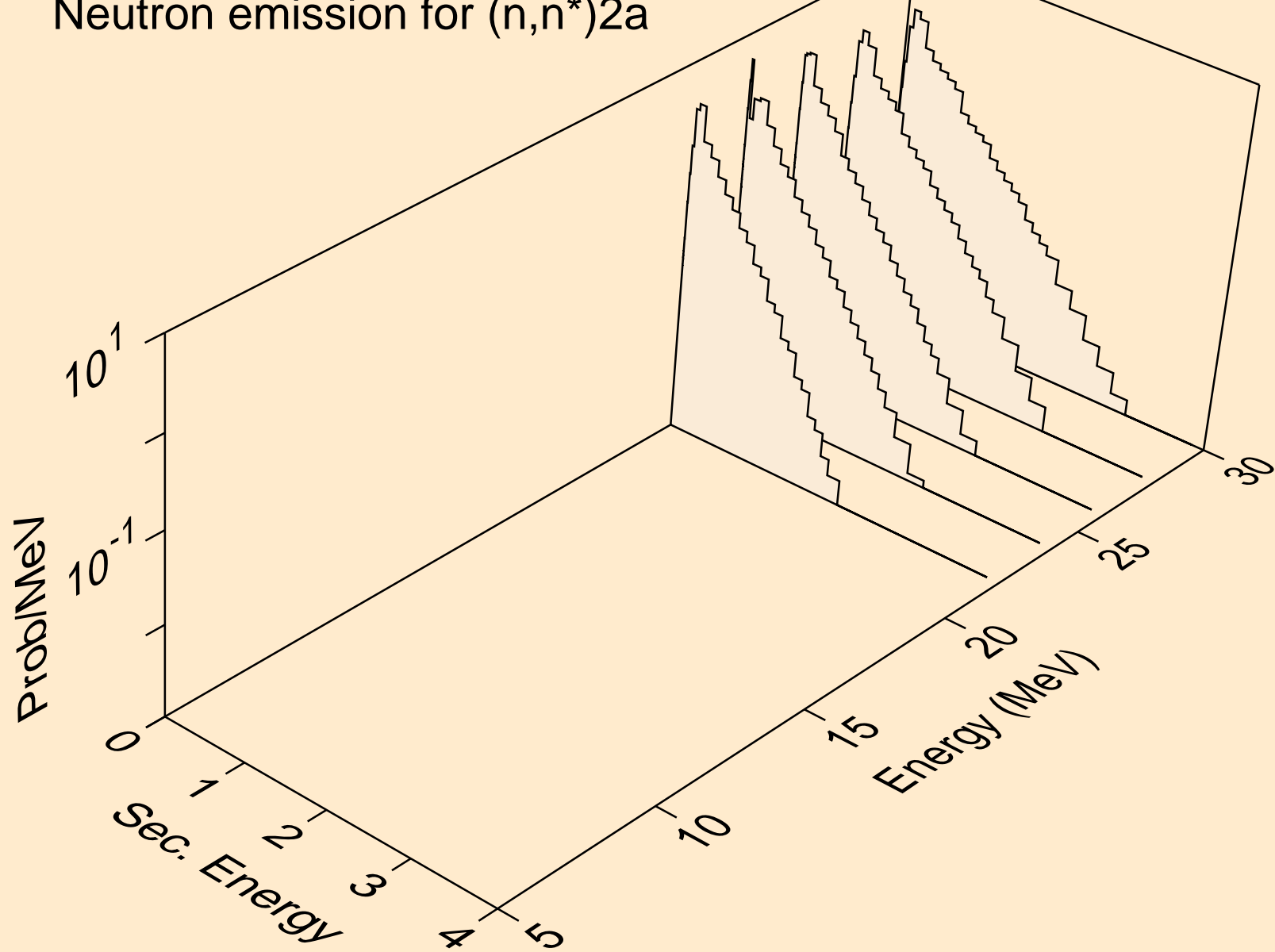
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



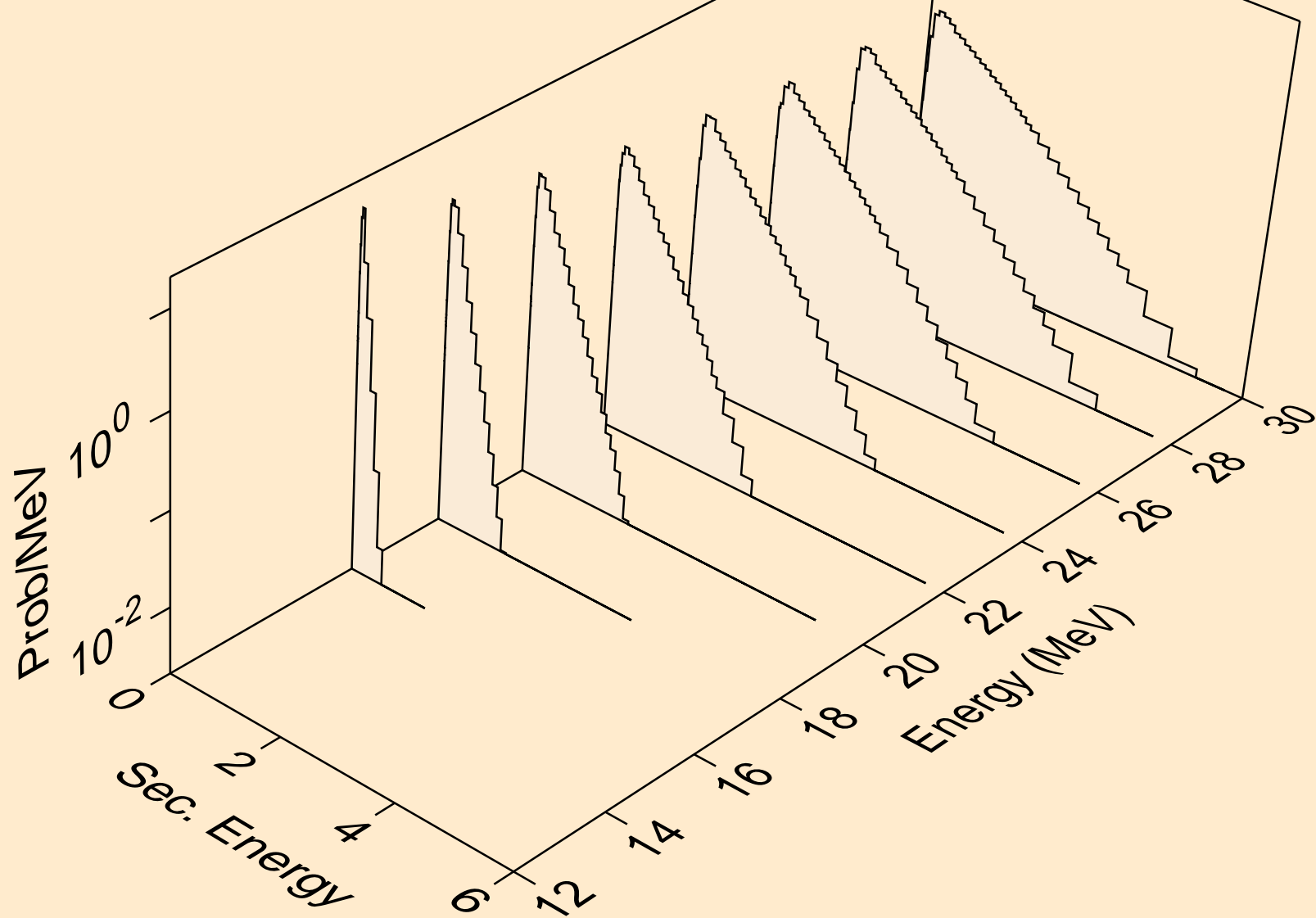
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



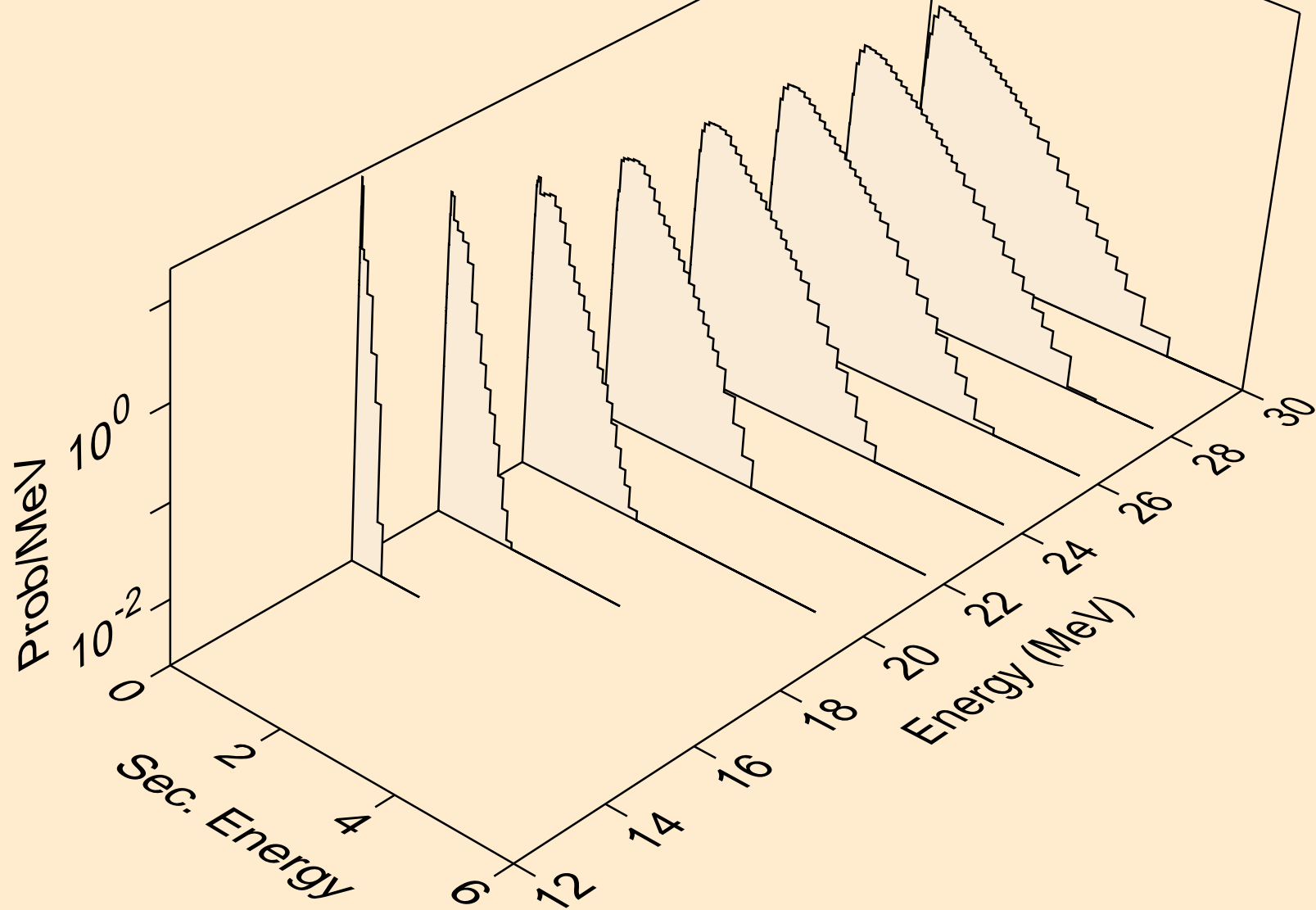
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

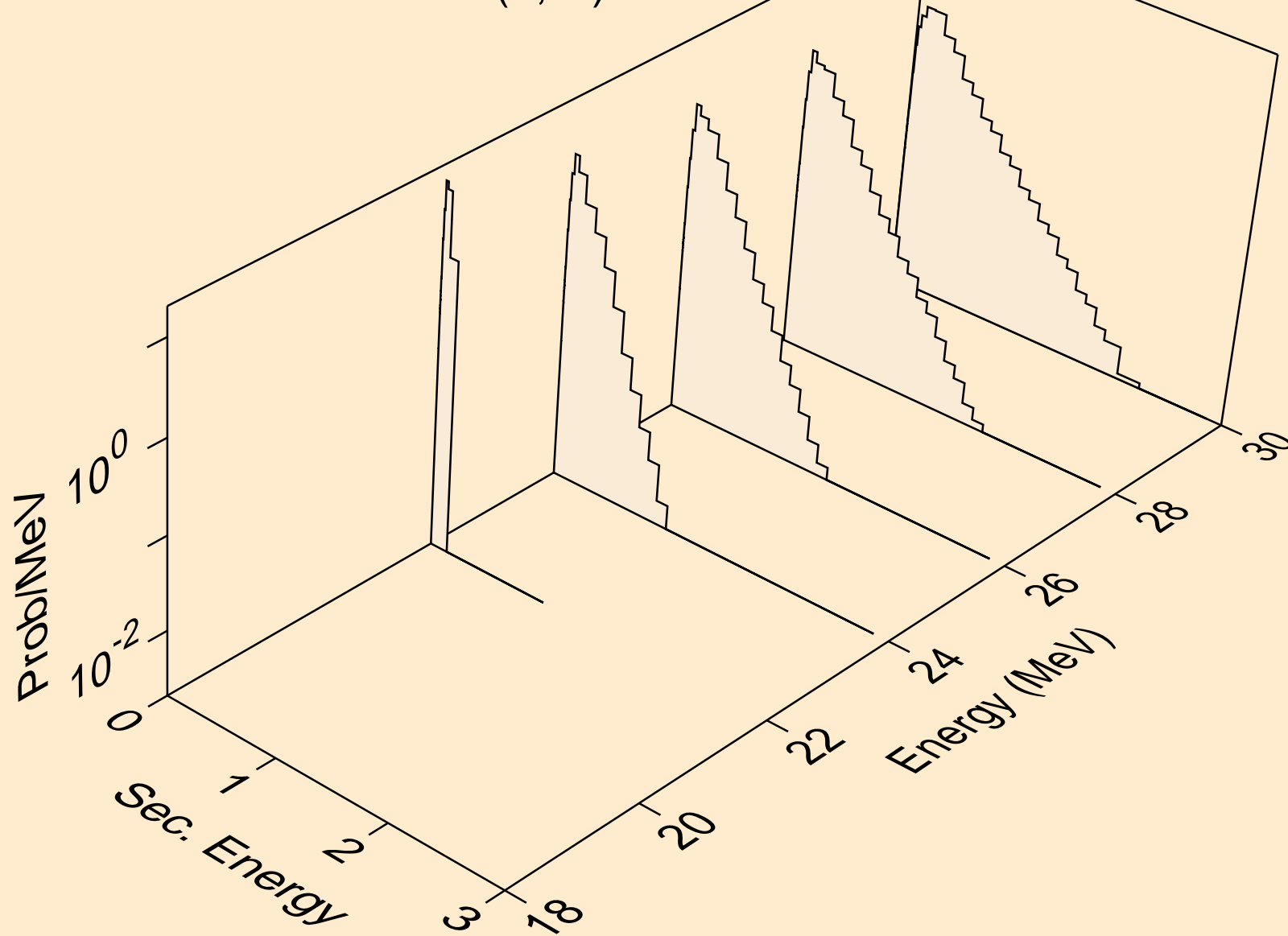


AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t

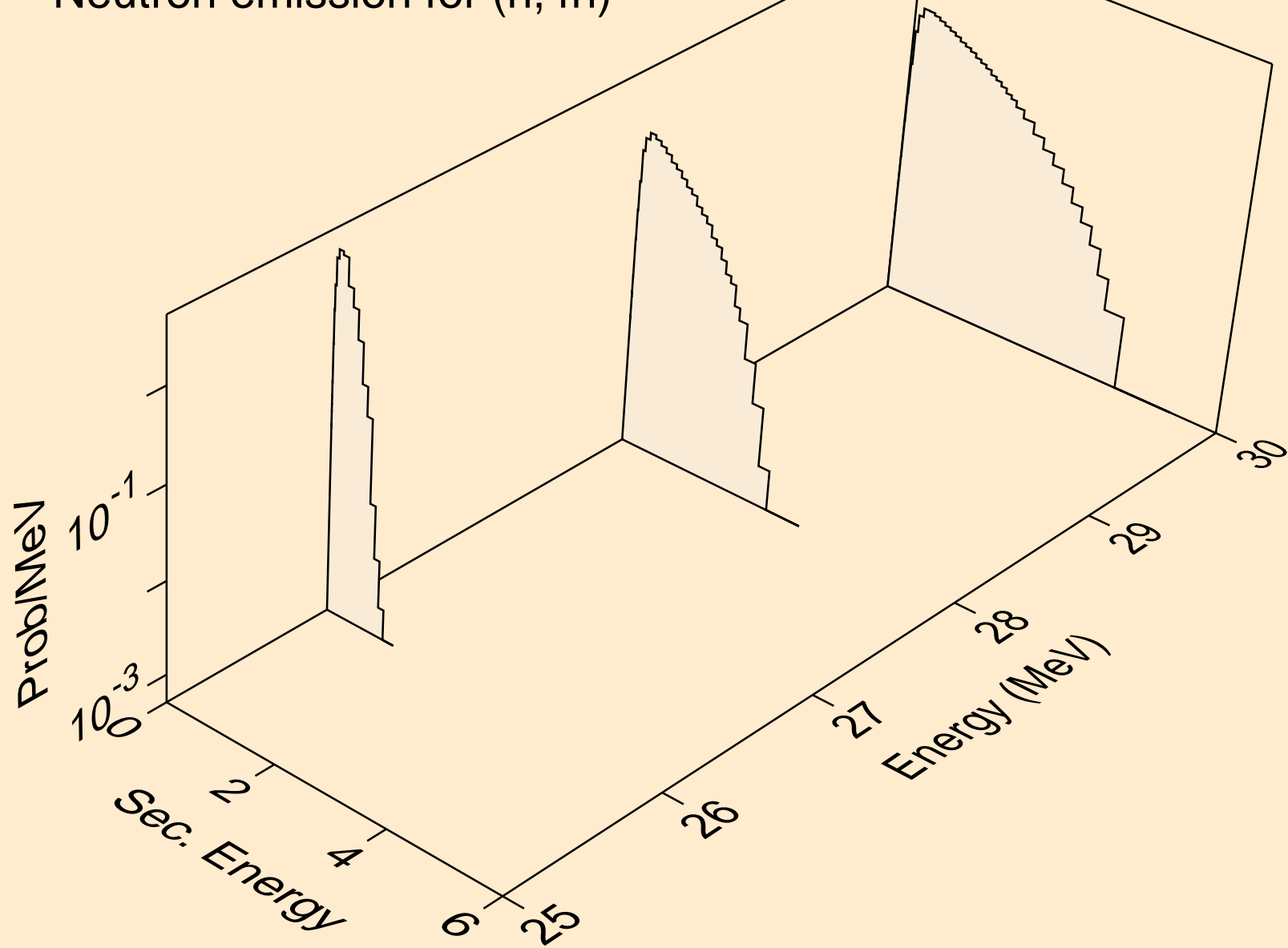




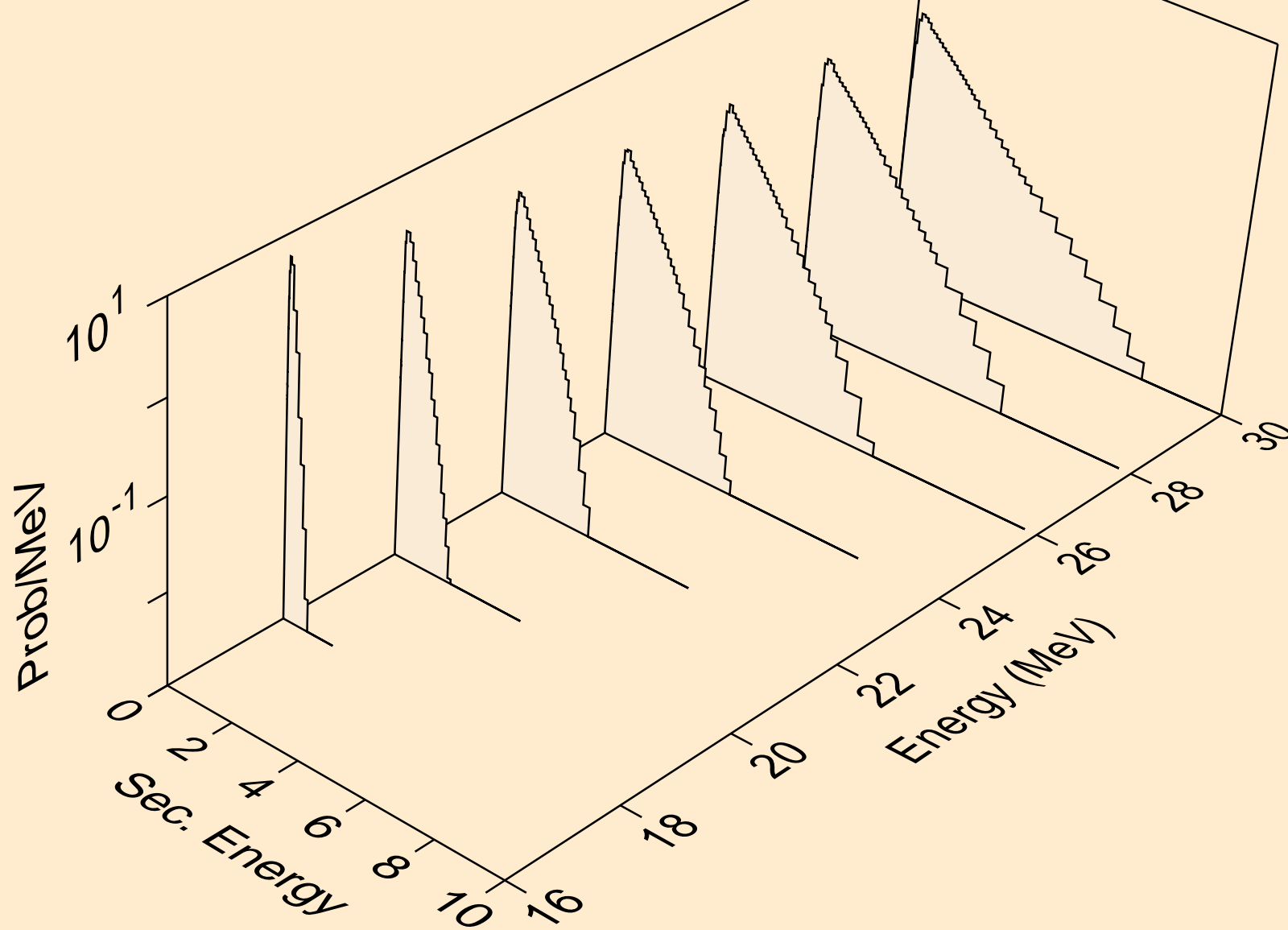
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



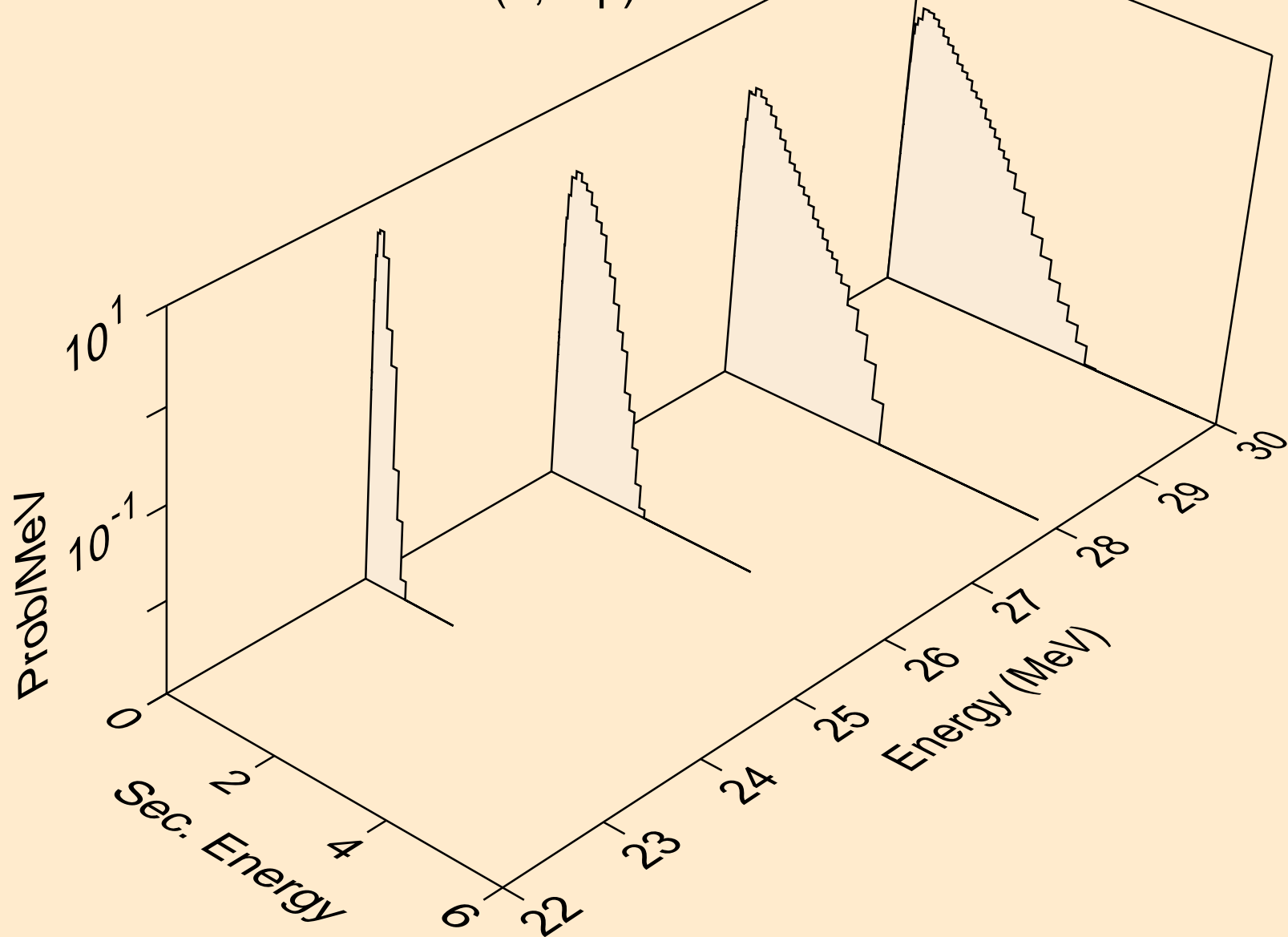
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)



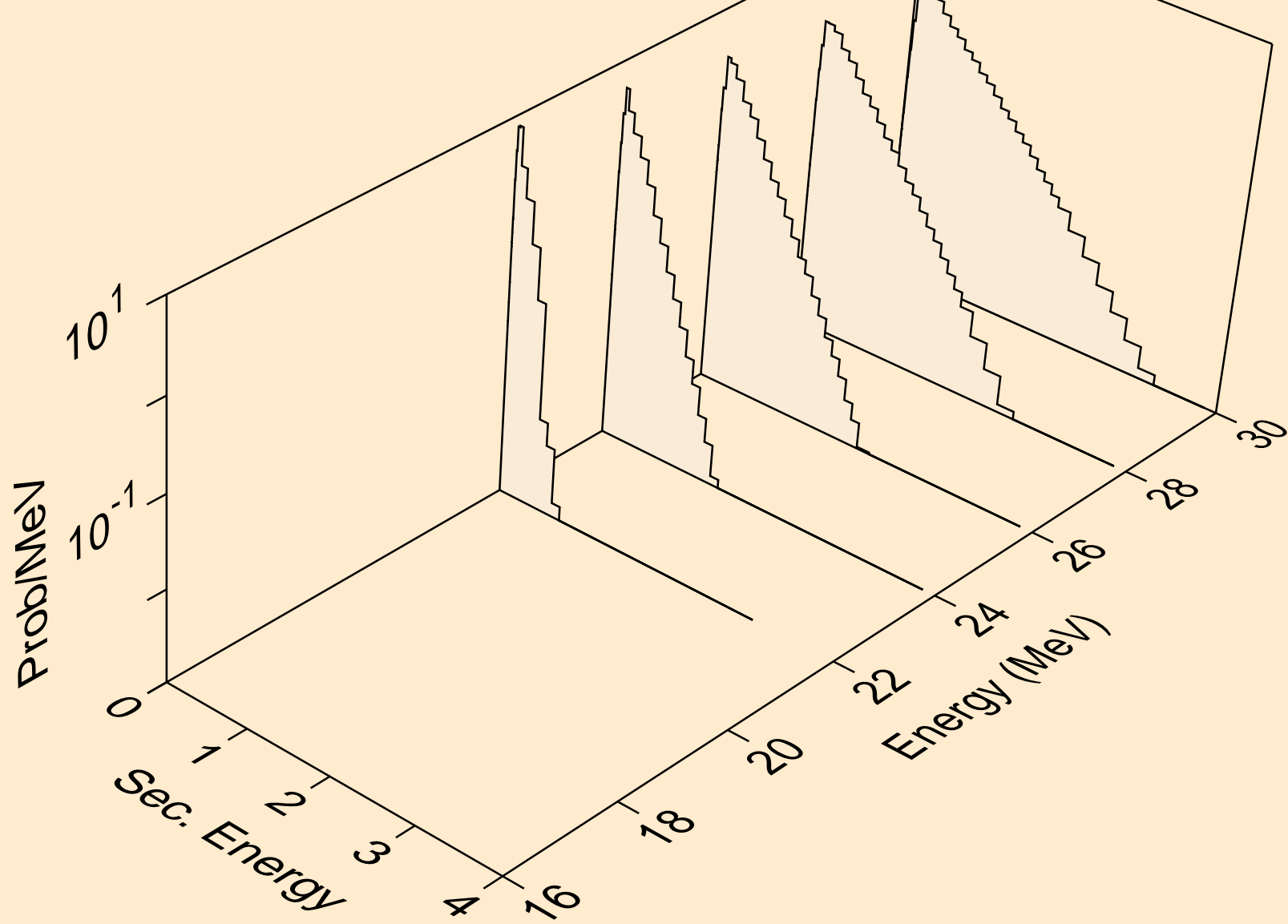
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Neutron emission for (n,2np)



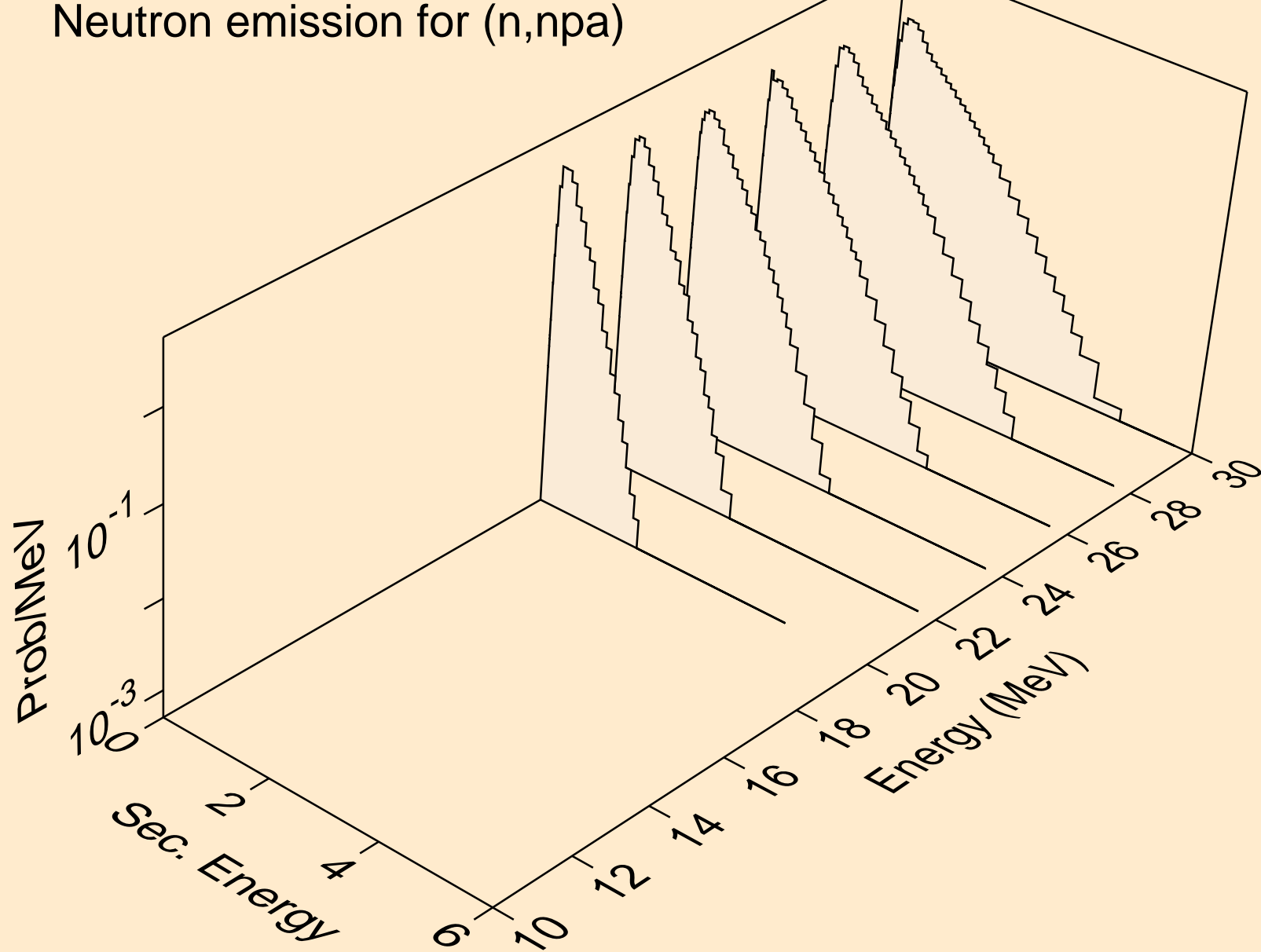
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Neutron emission for (n,3np)



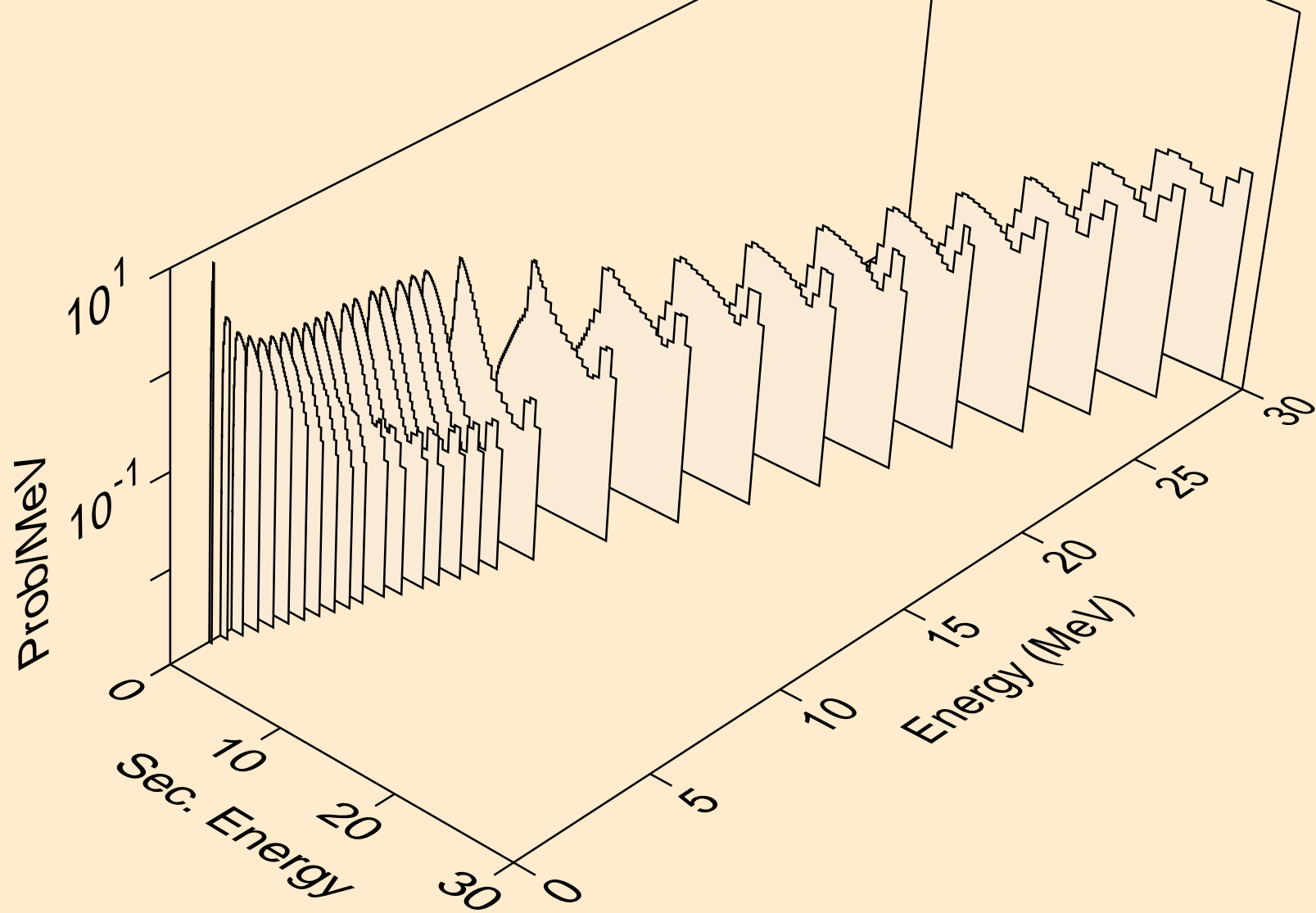
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Neutron emission for (n,n2p)



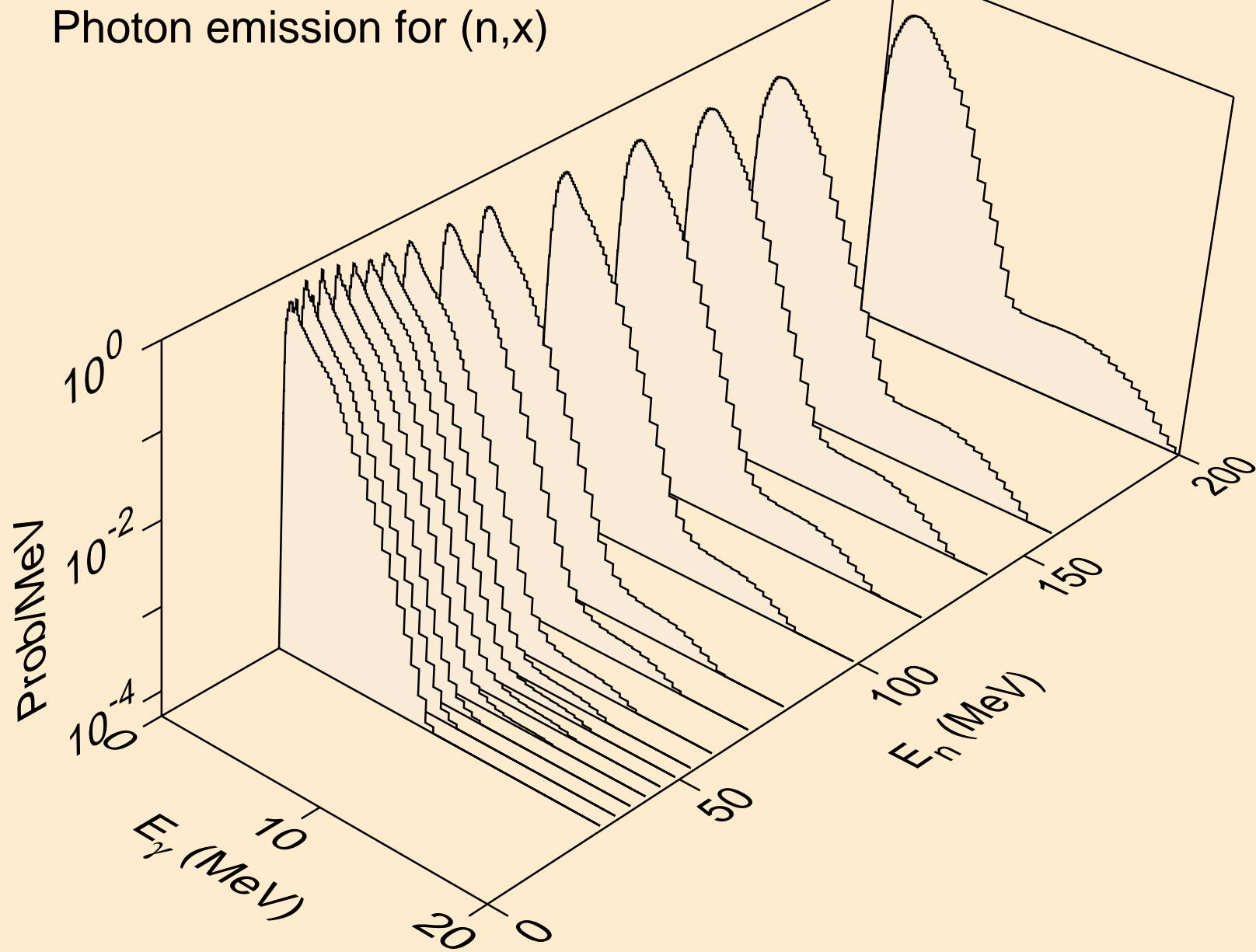
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)



AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)

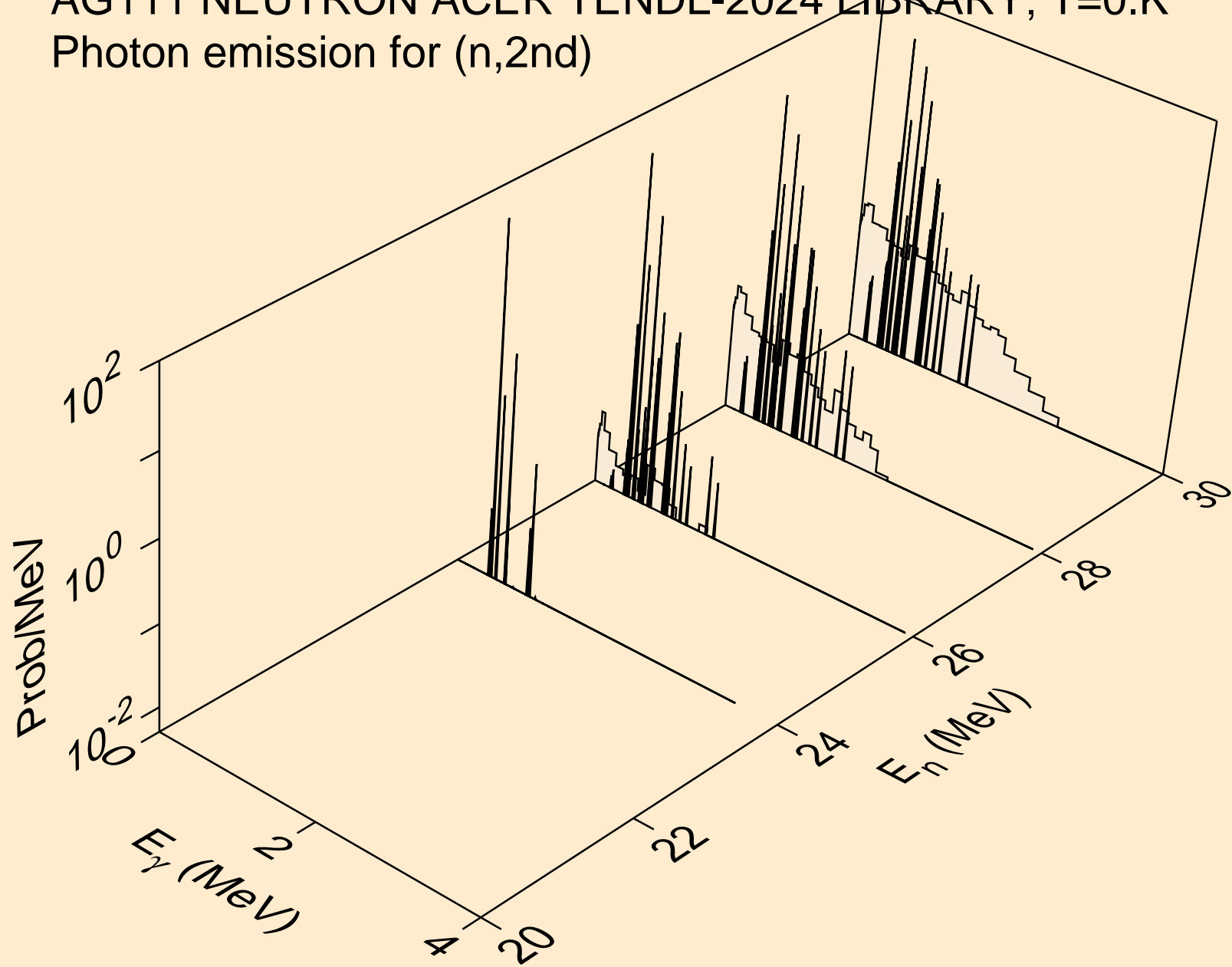


AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)

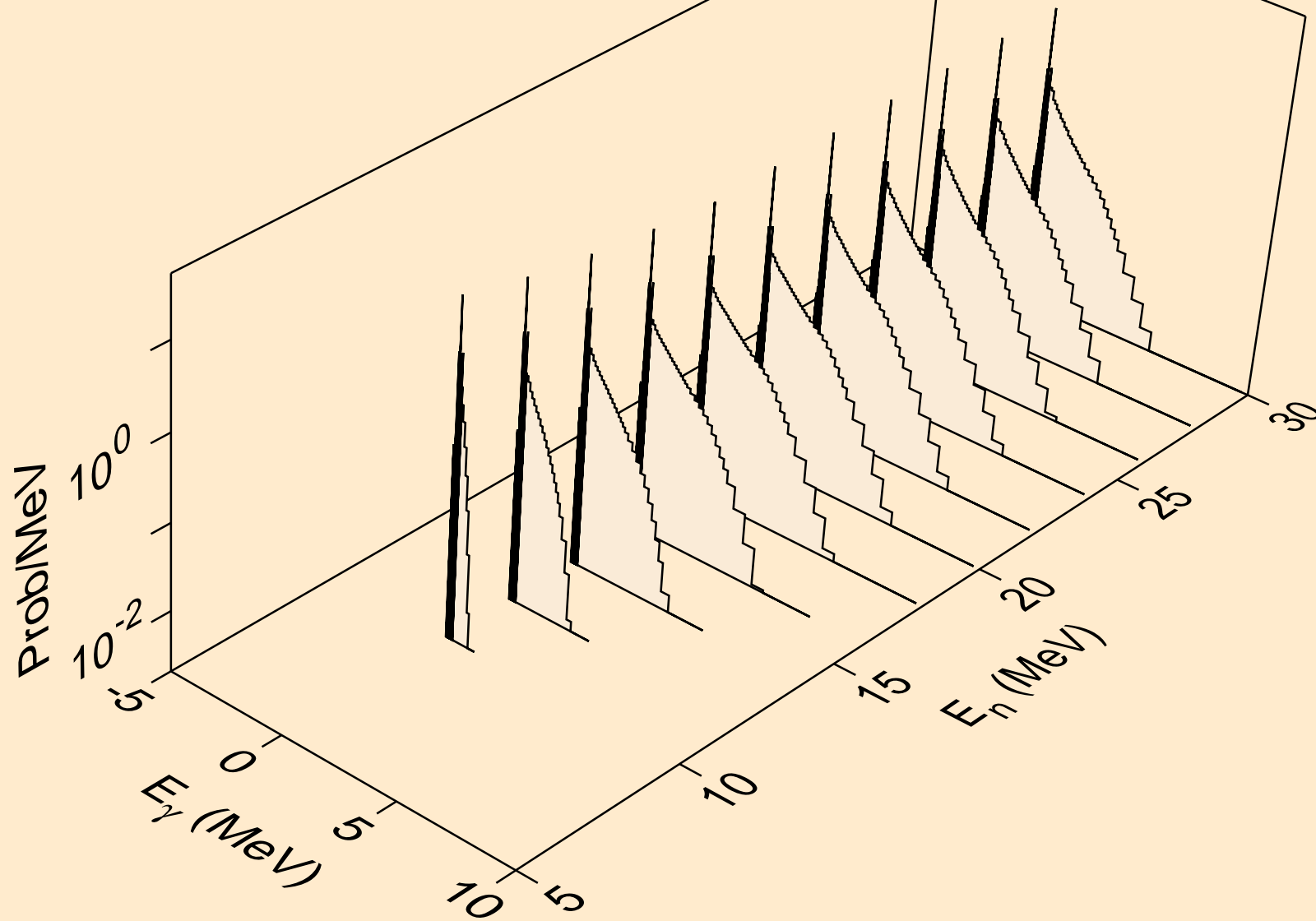




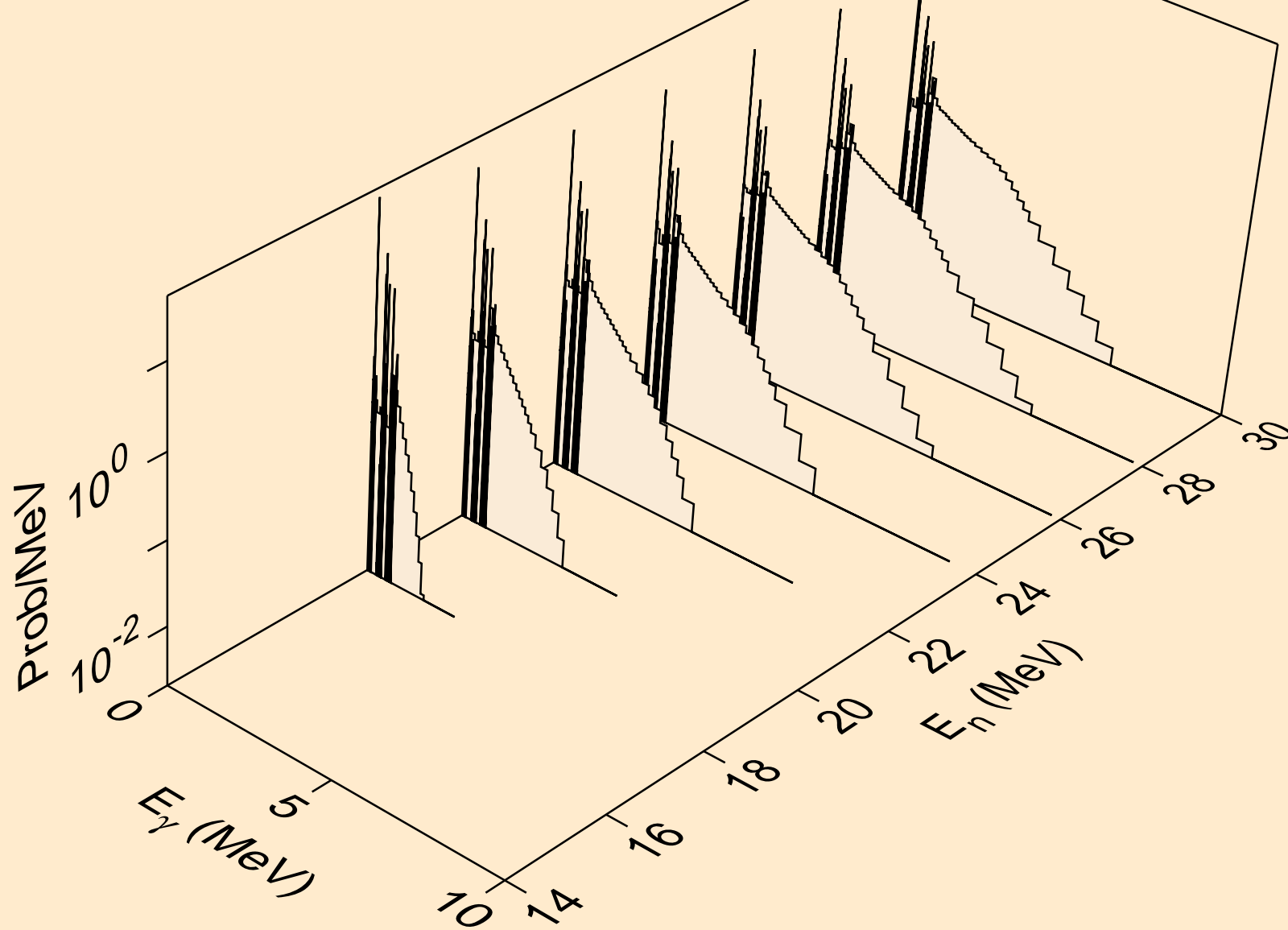
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Photon emission for (n,2nd)



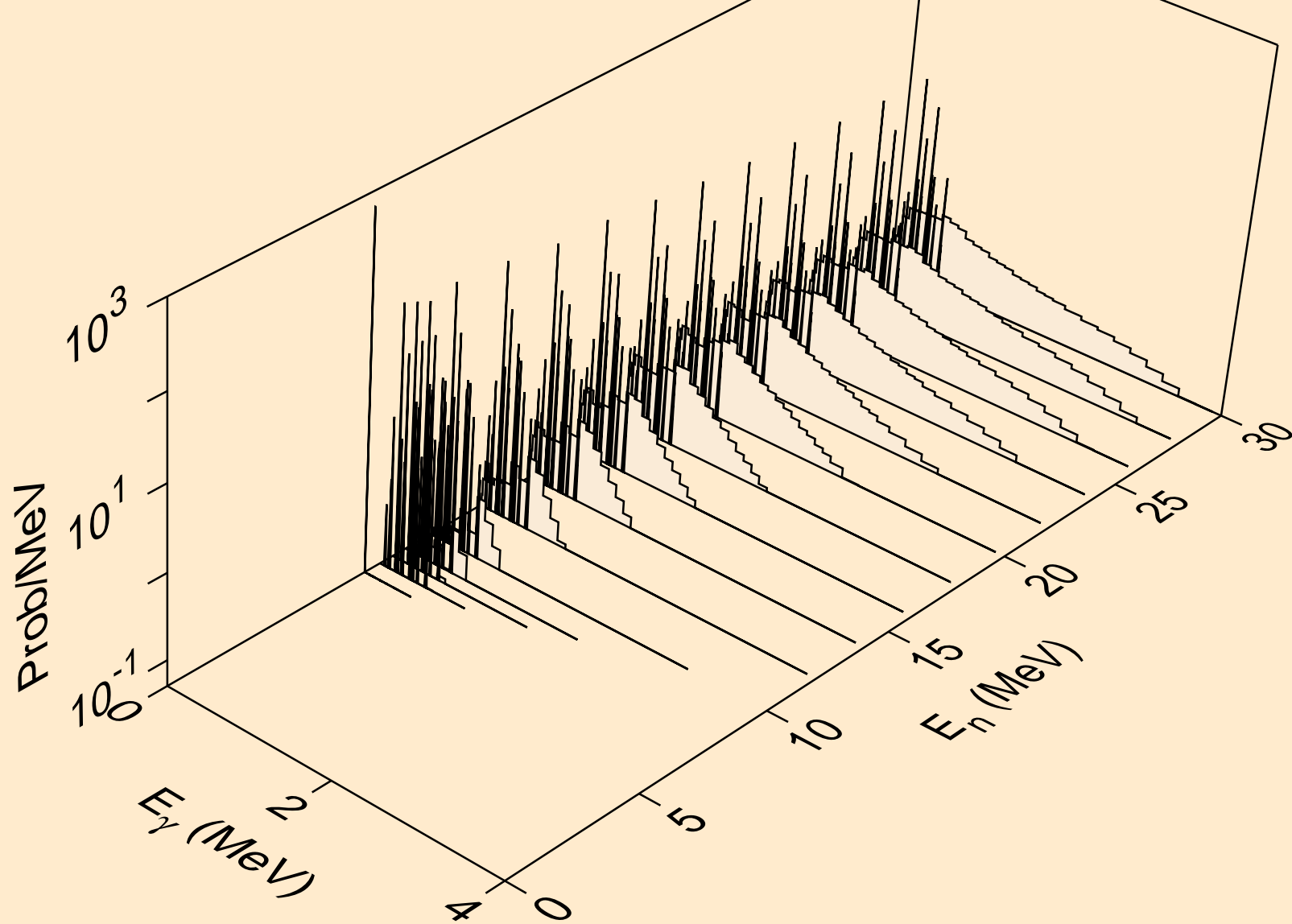
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Photon emission for (n,2n)



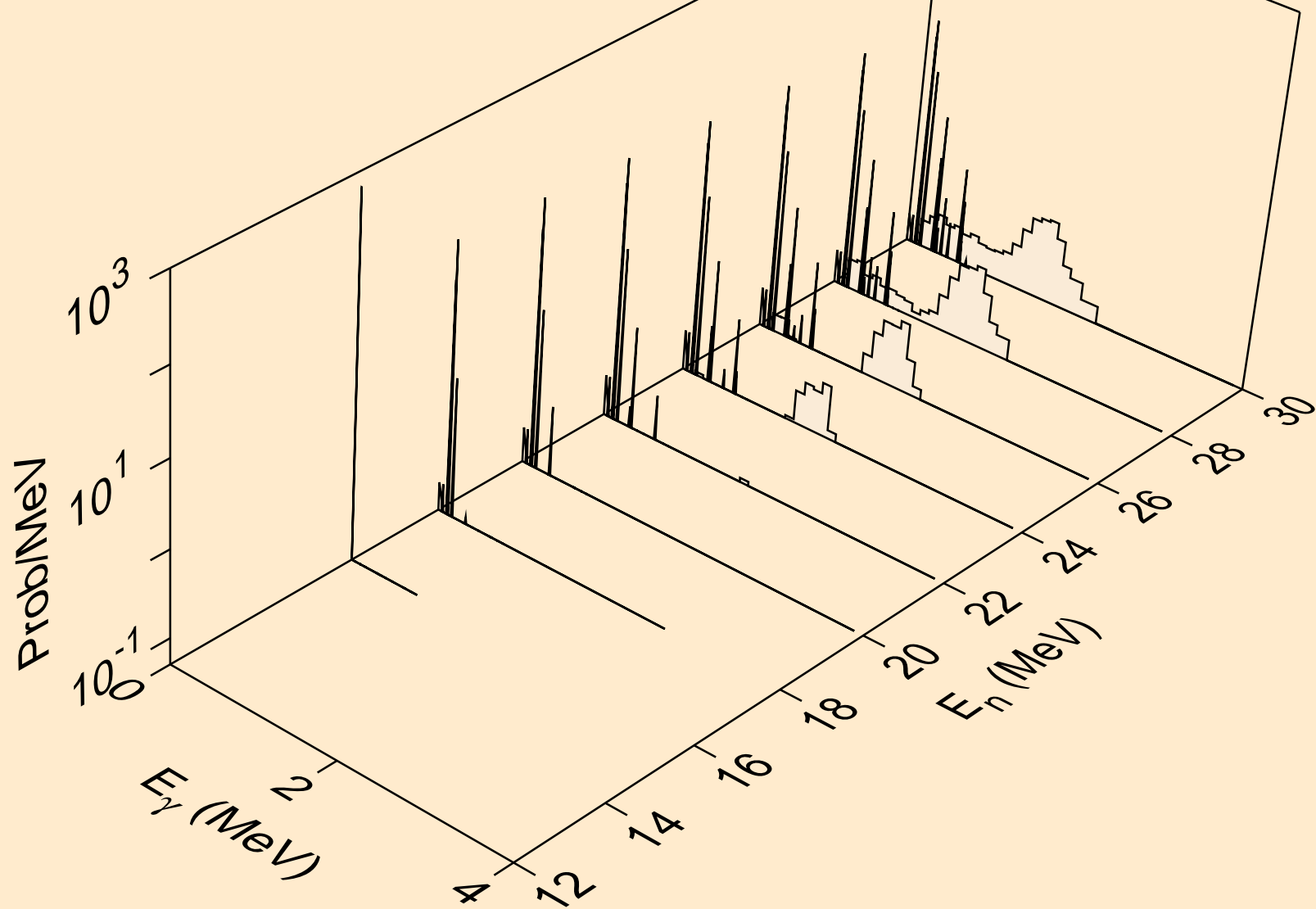
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Photon emission for (n,3n)



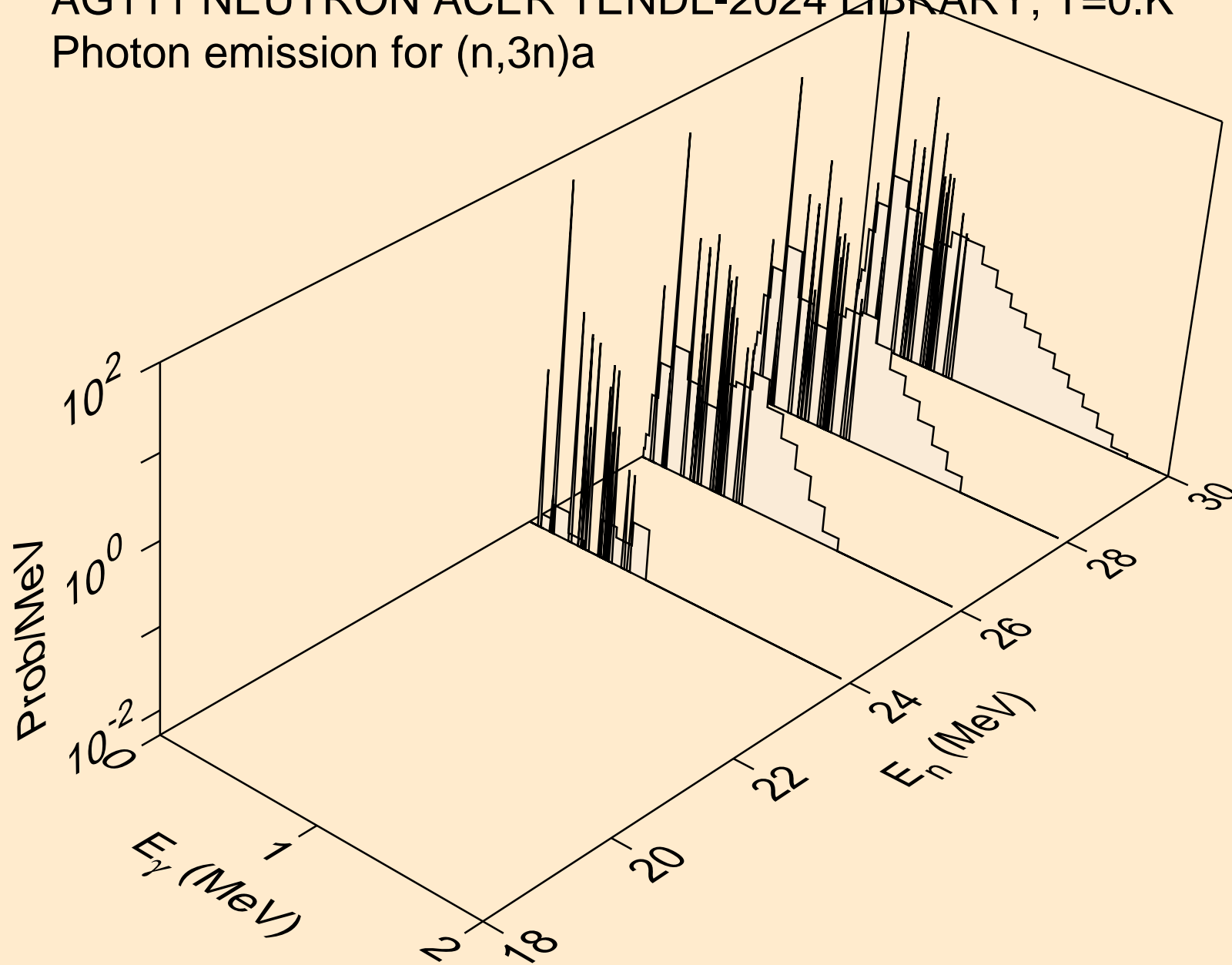
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Photon emission for (n,n\*)a



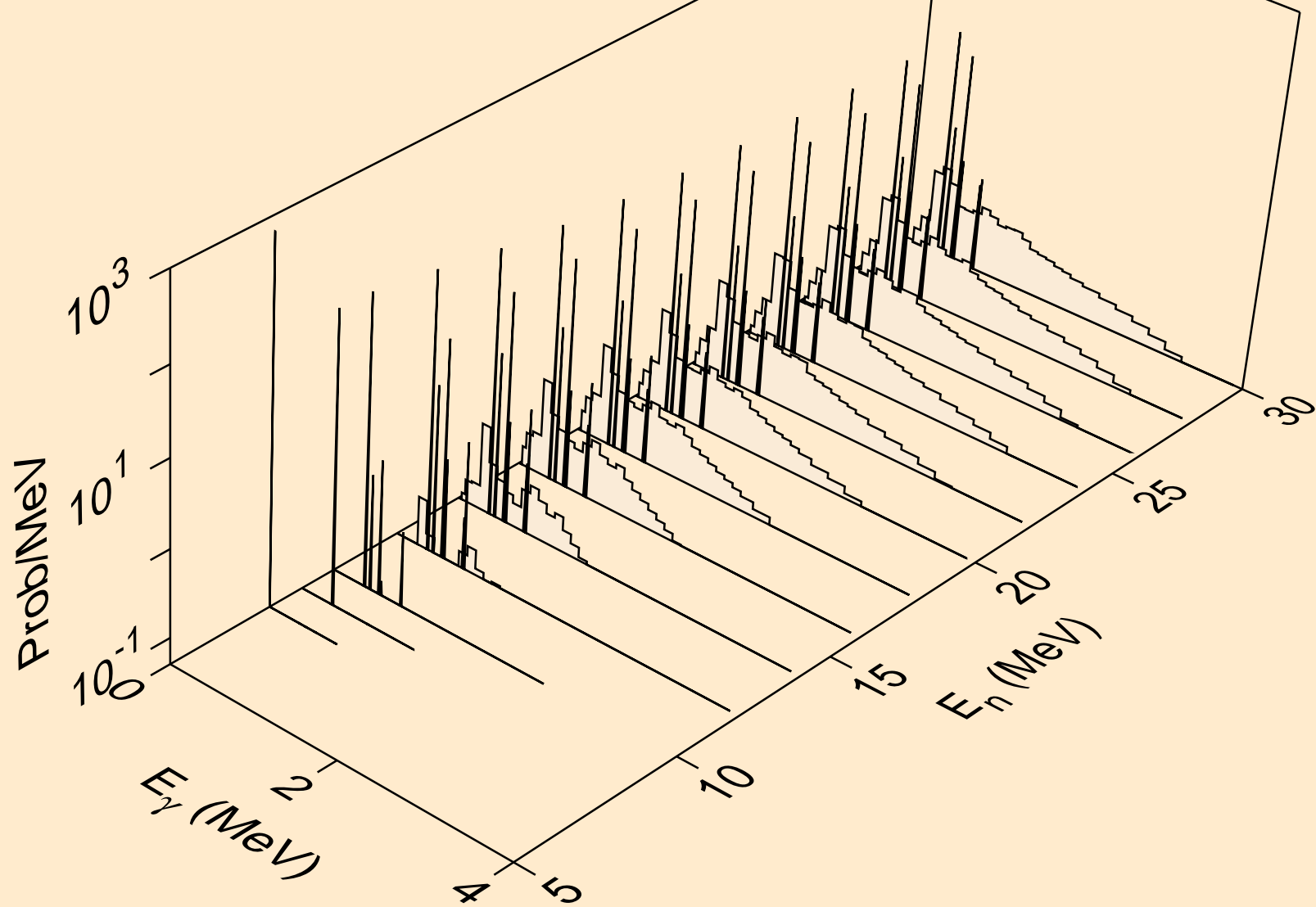
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Photon emission for (n,2n)a



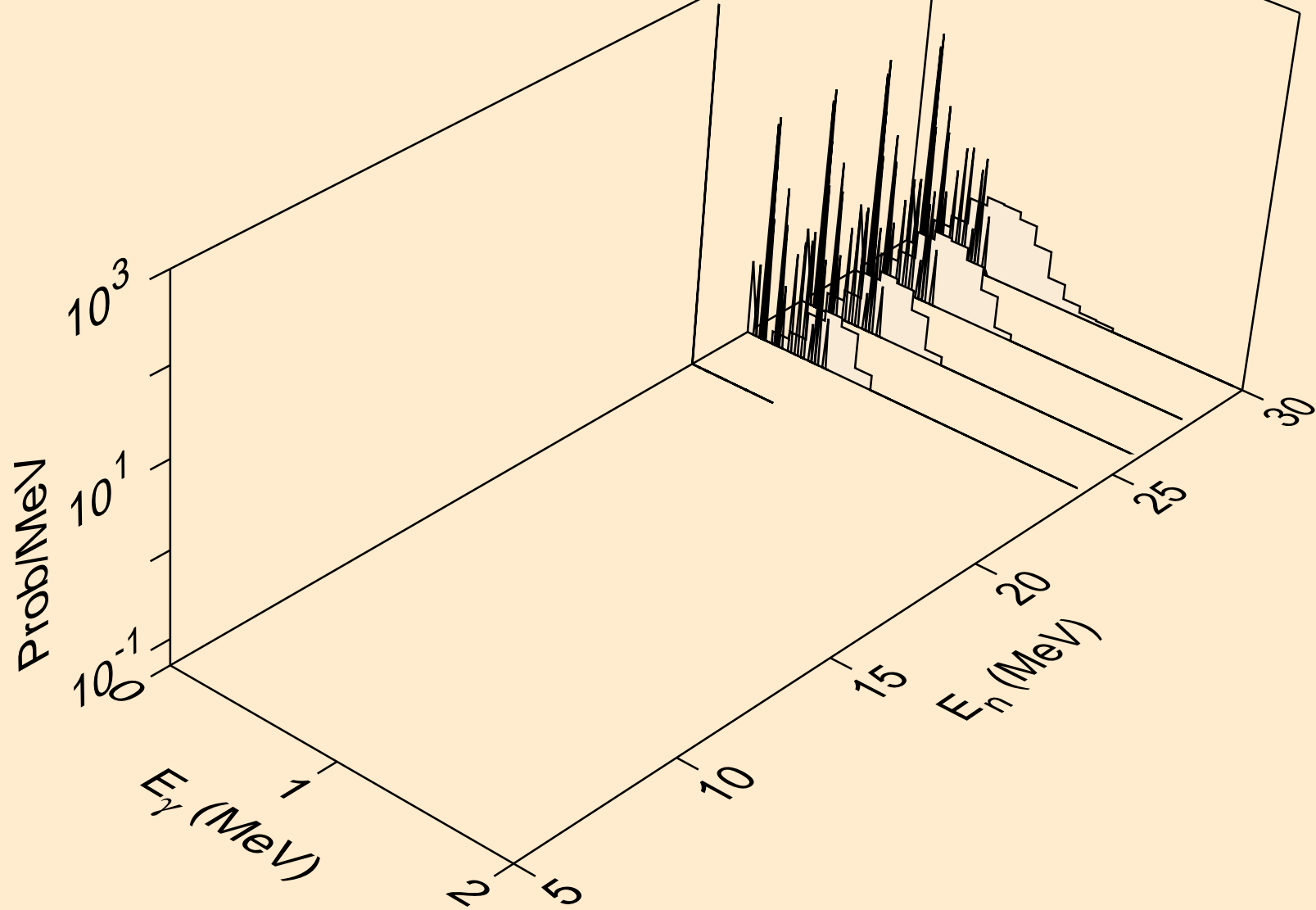
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a



AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

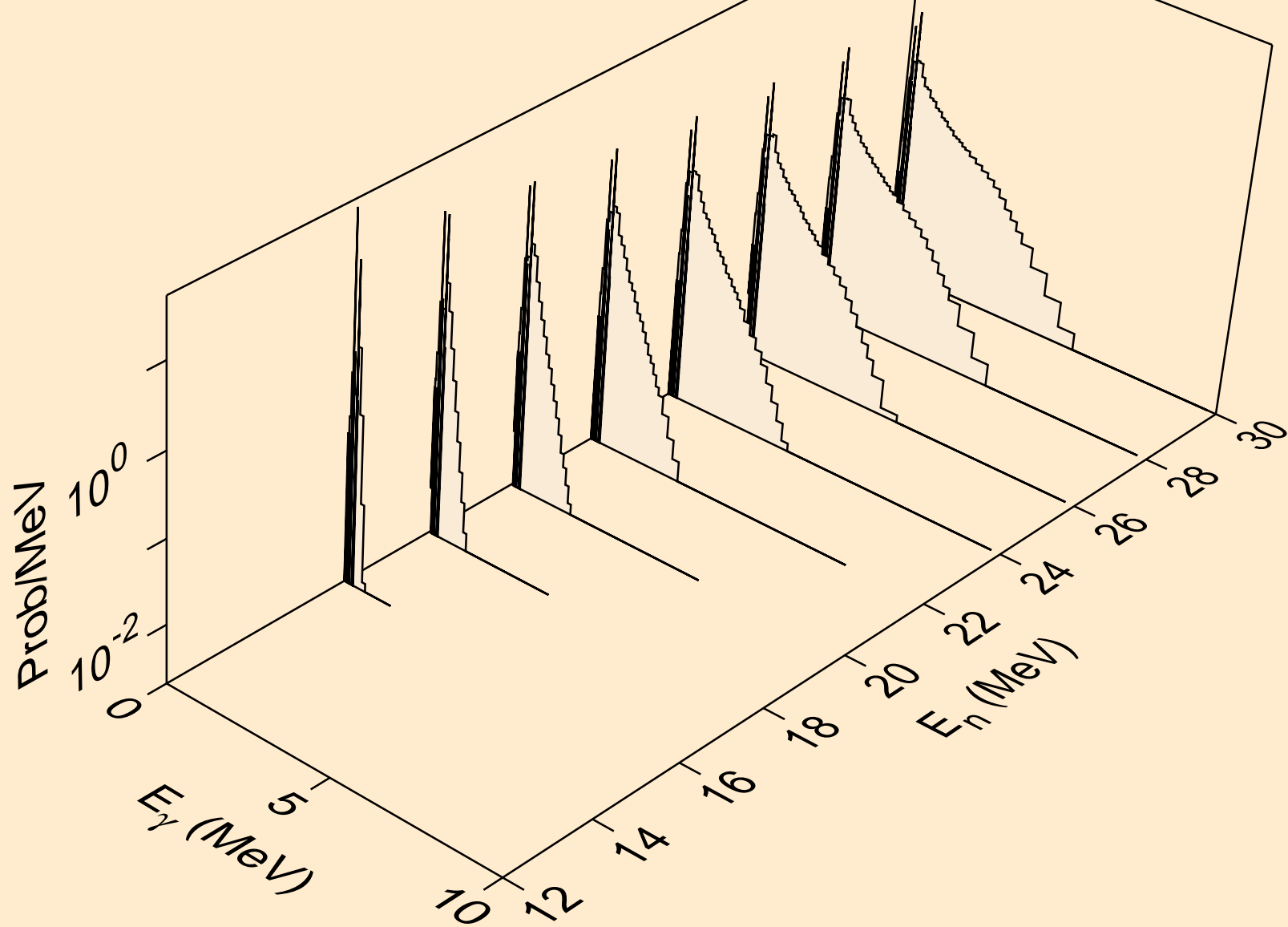


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Photon emission for (n,n\*)2a

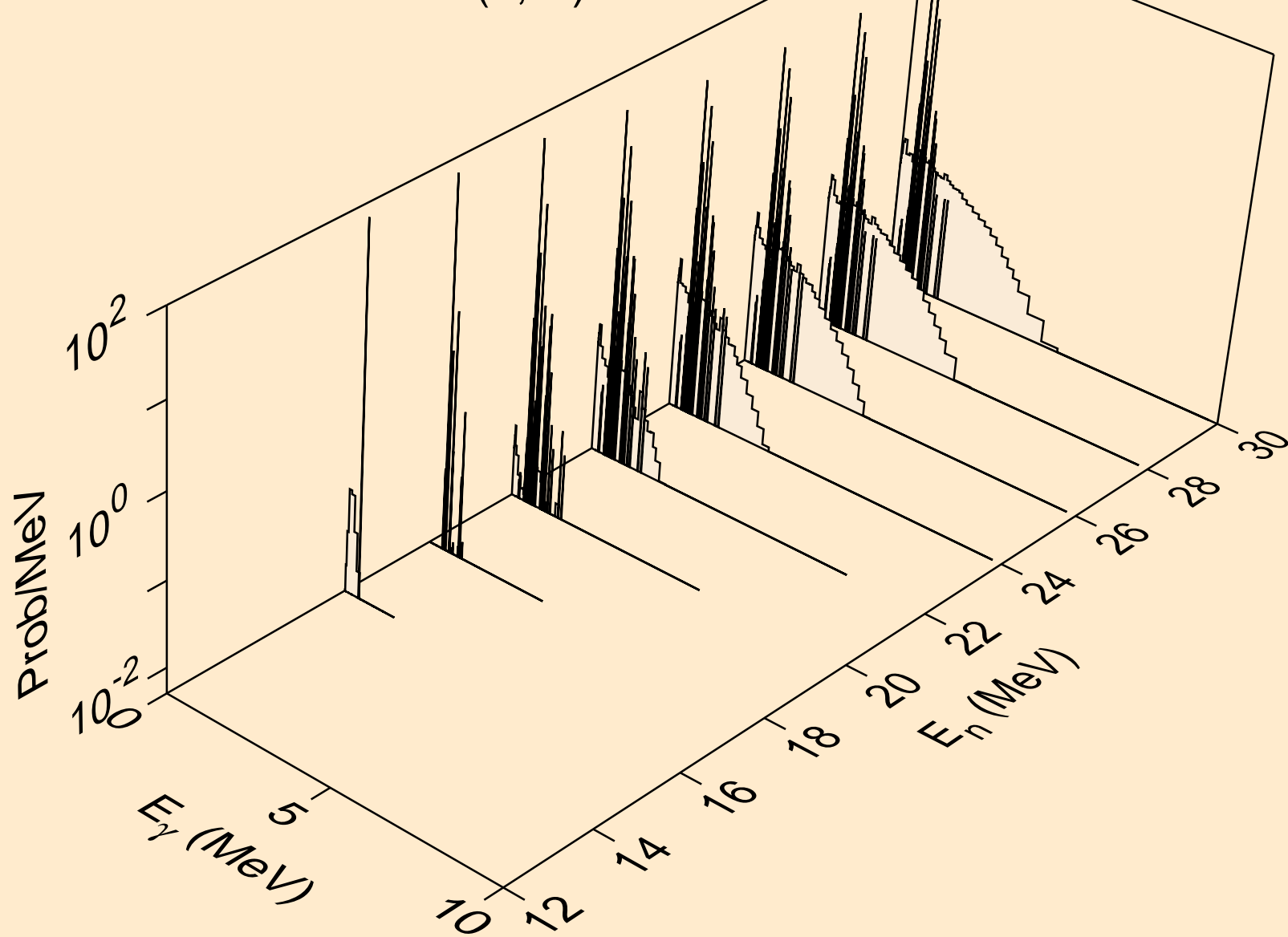




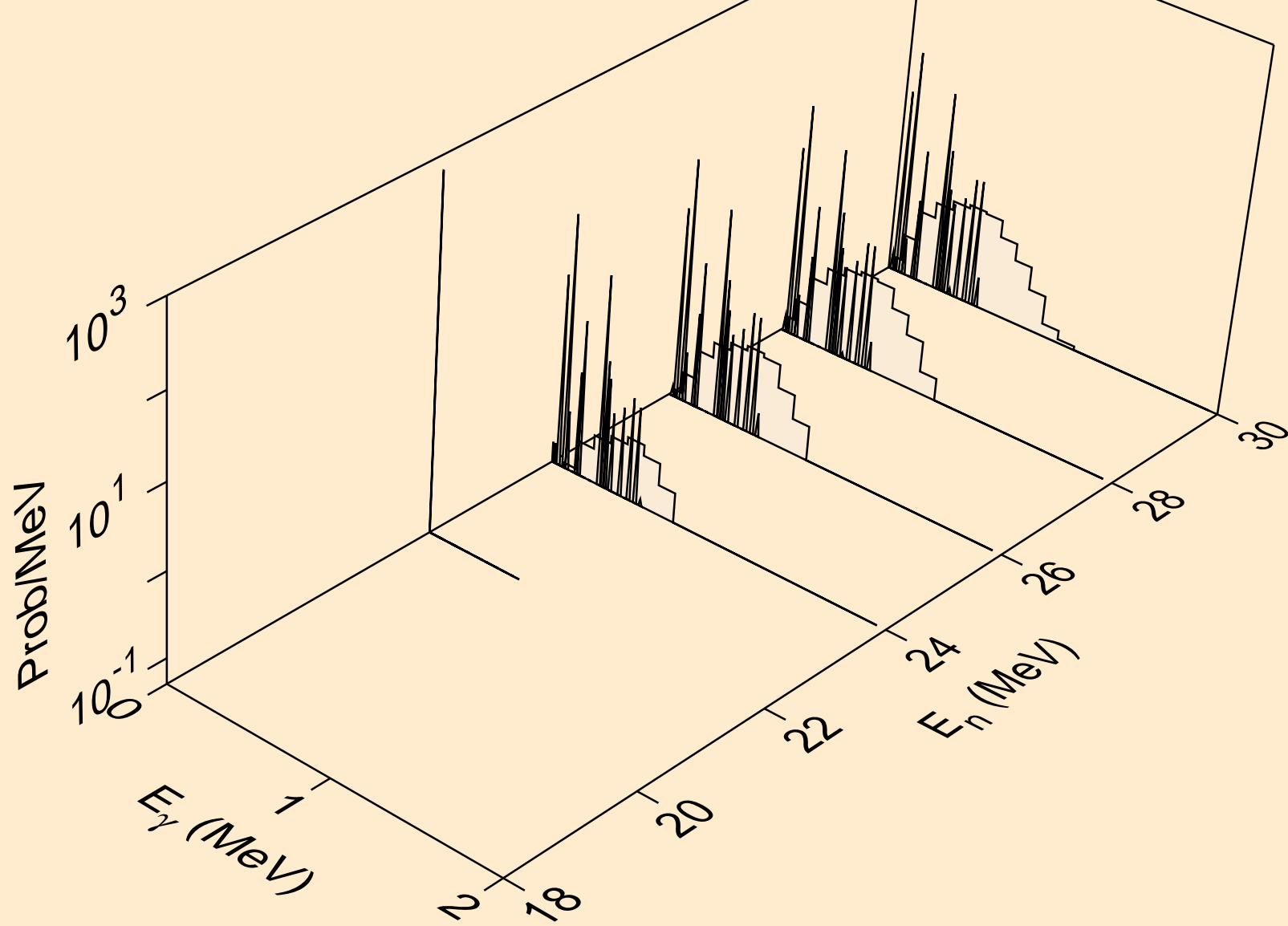
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Photon emission for (n,n\*)d



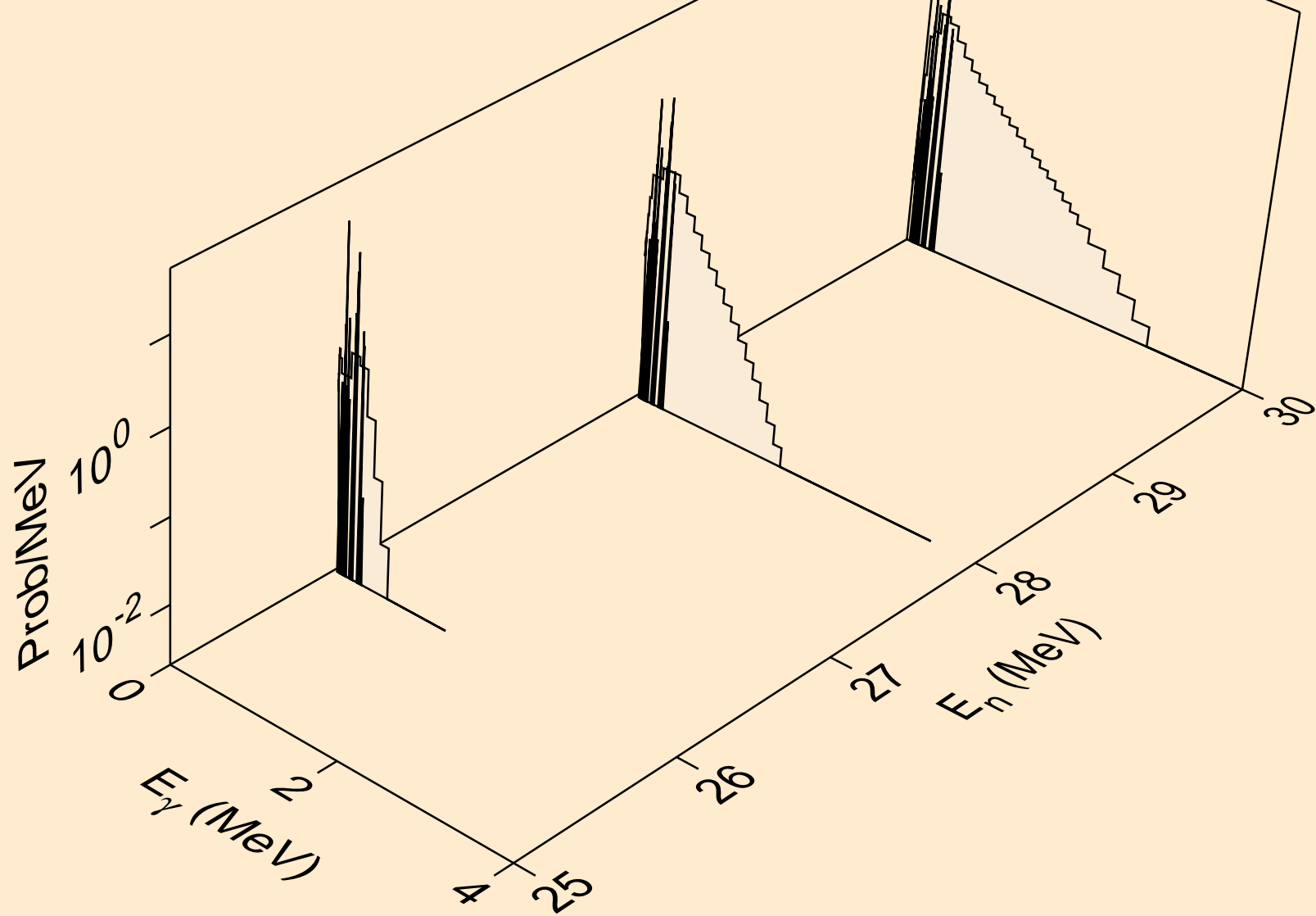
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Photon emission for (n,n\*)t



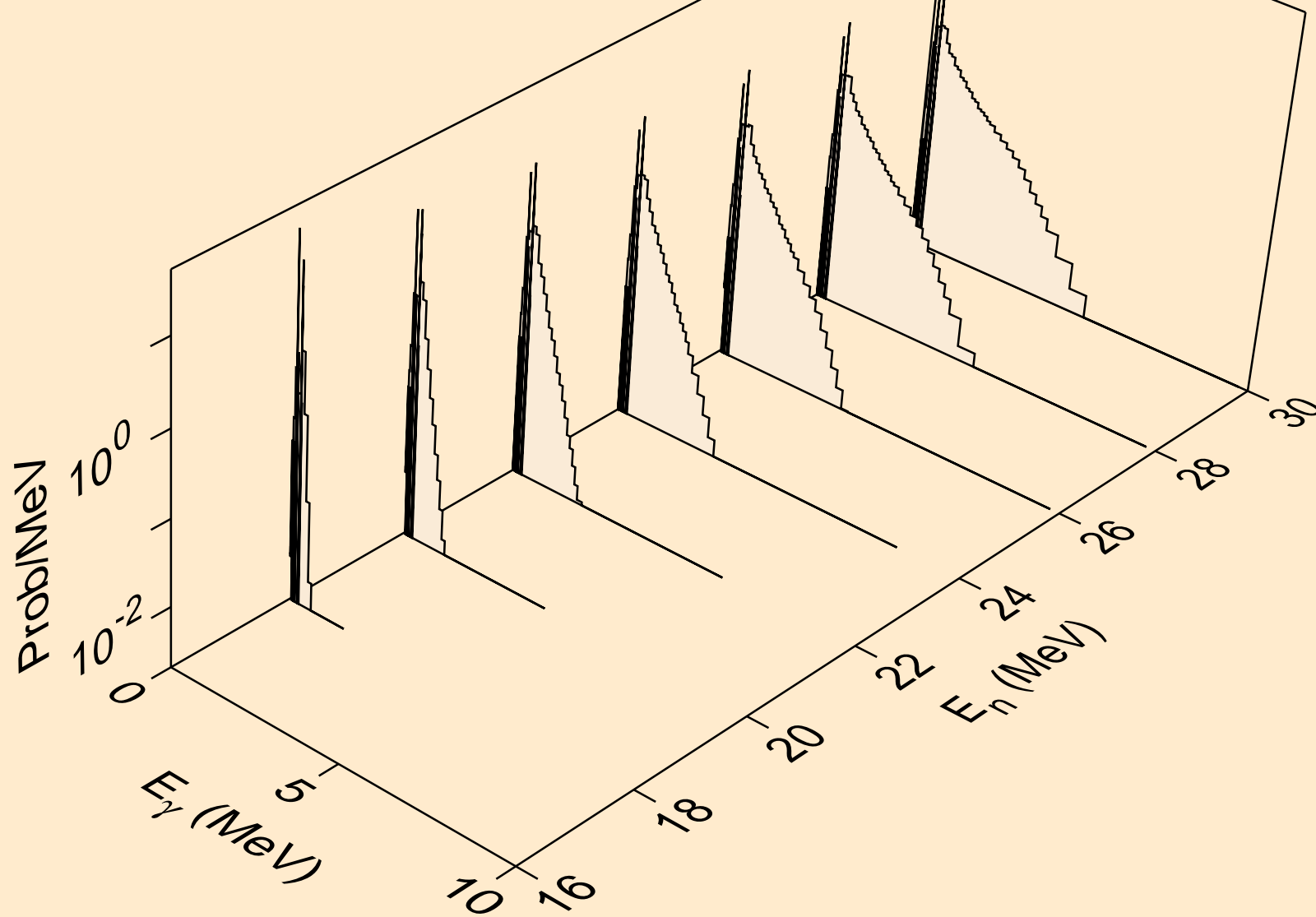
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Photon emission for (n,n\*)he3



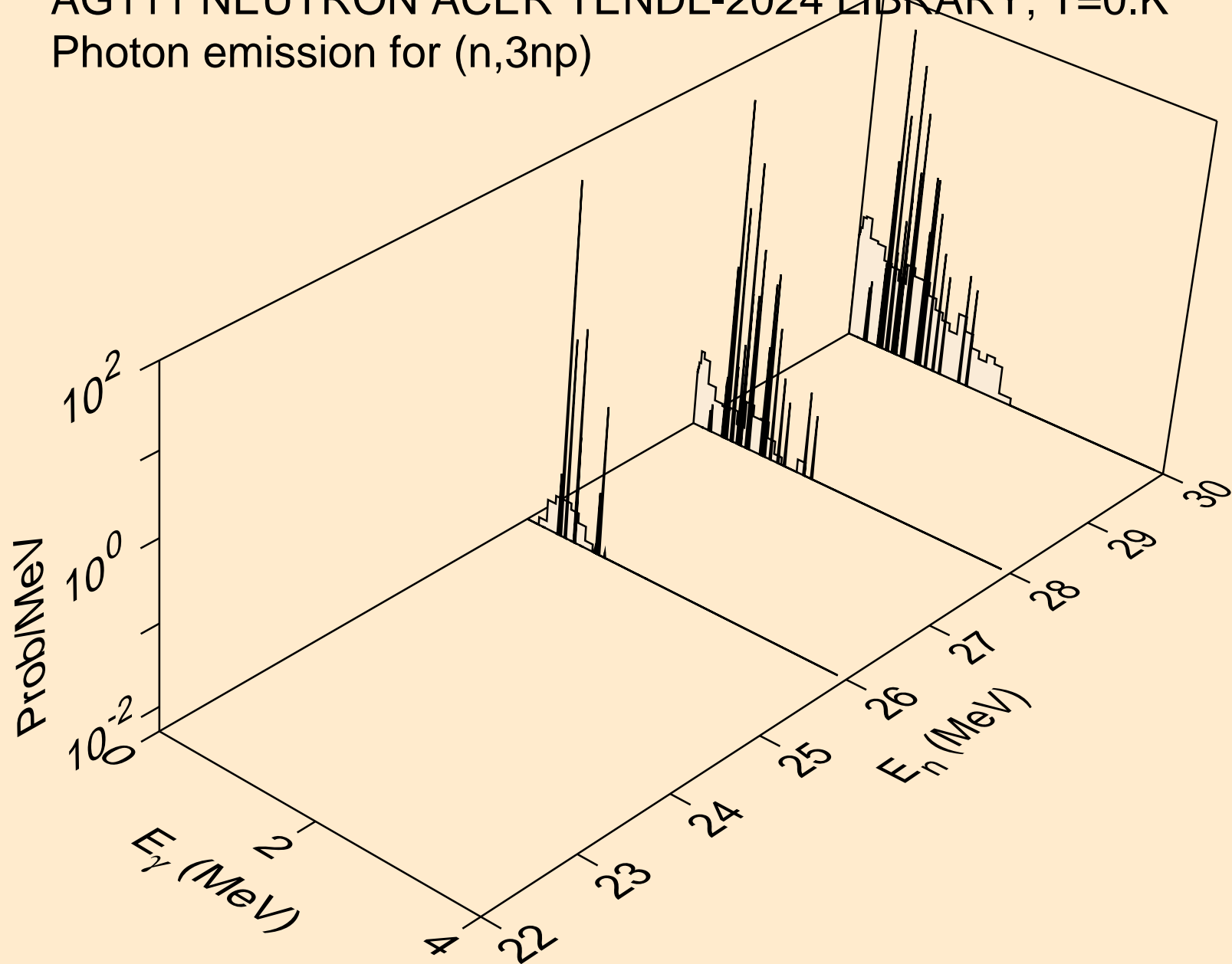
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Photon emission for (n,4n)



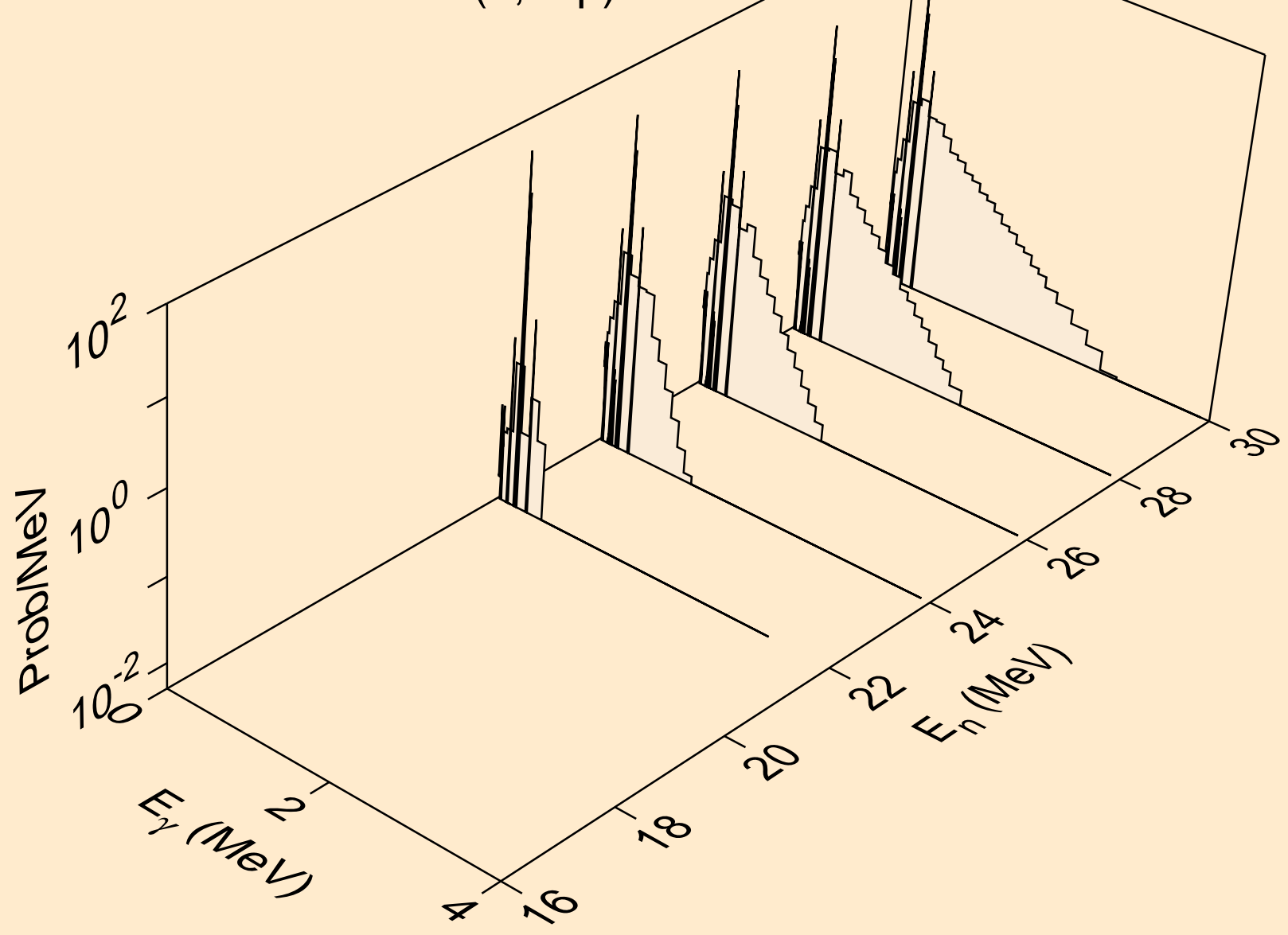
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Photon emission for (n,2np)



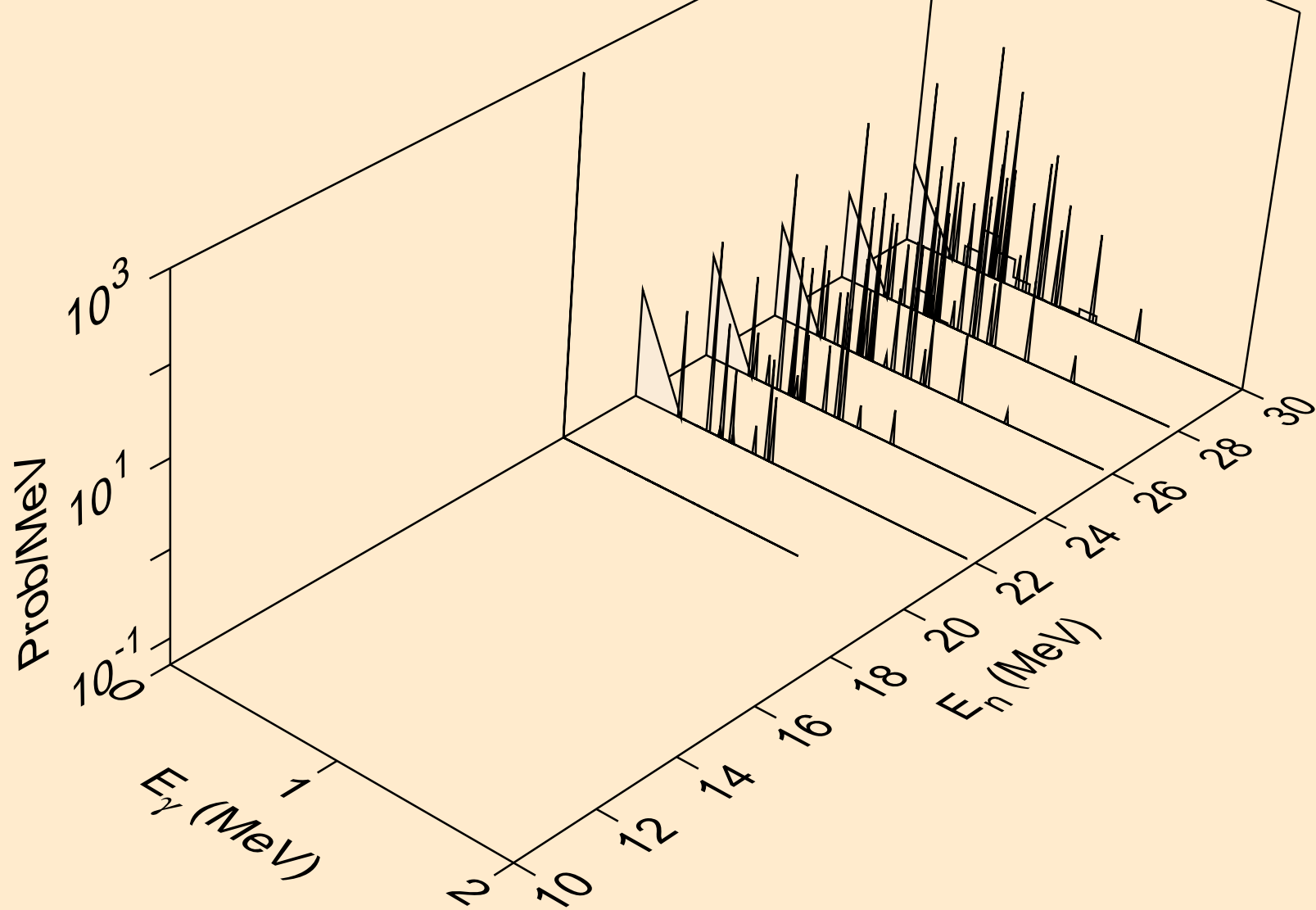
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)



AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)

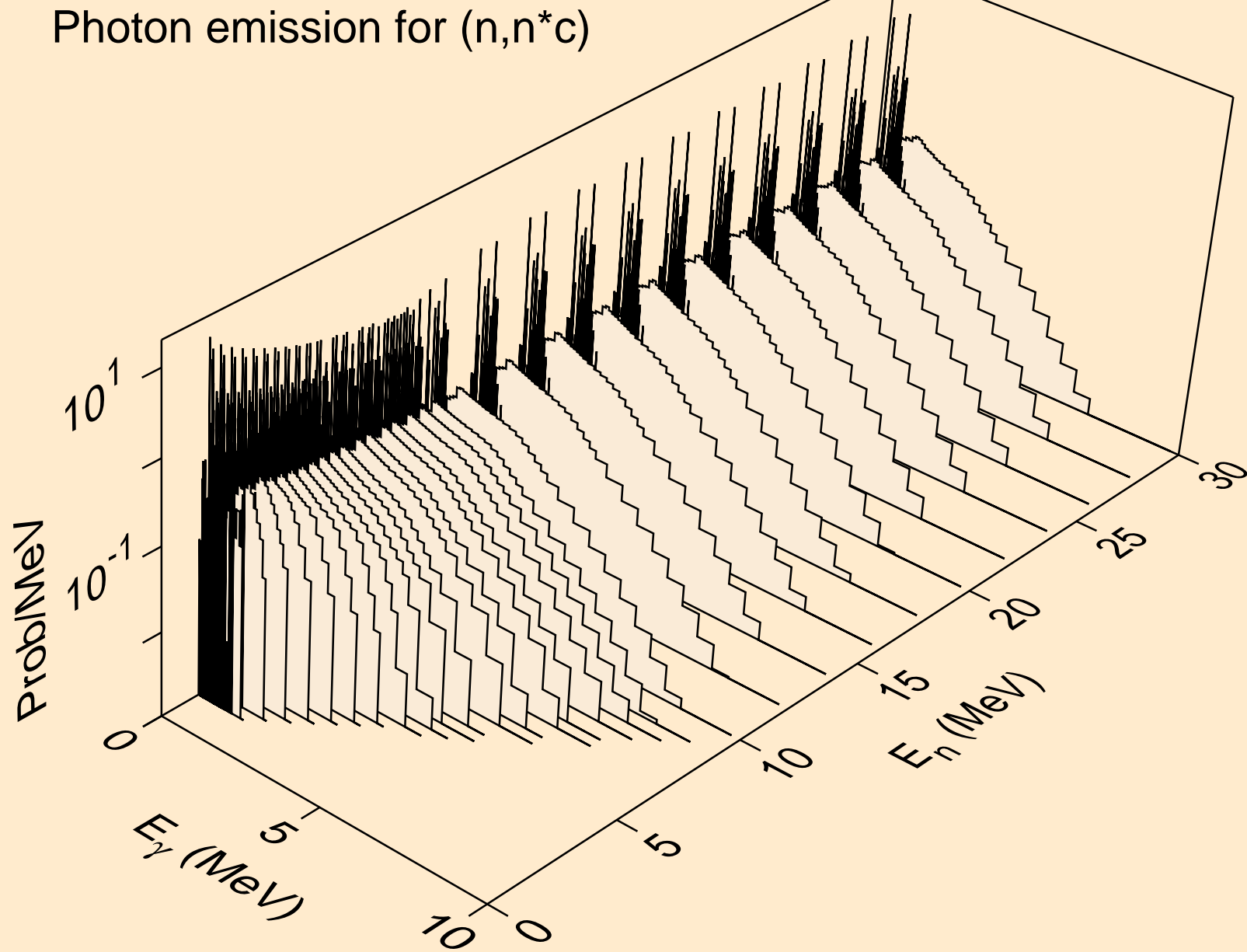


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Photon emission for (n,npa)

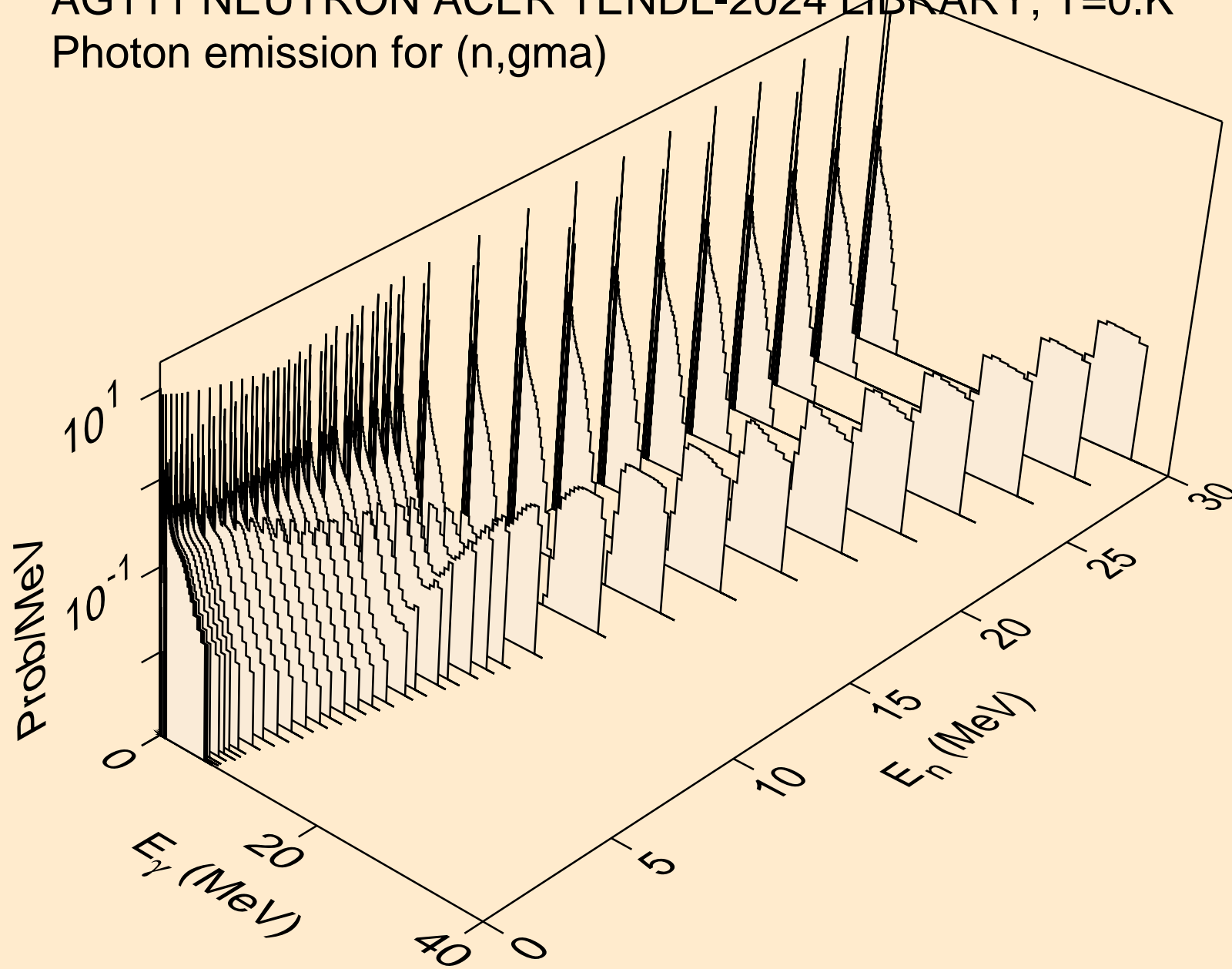




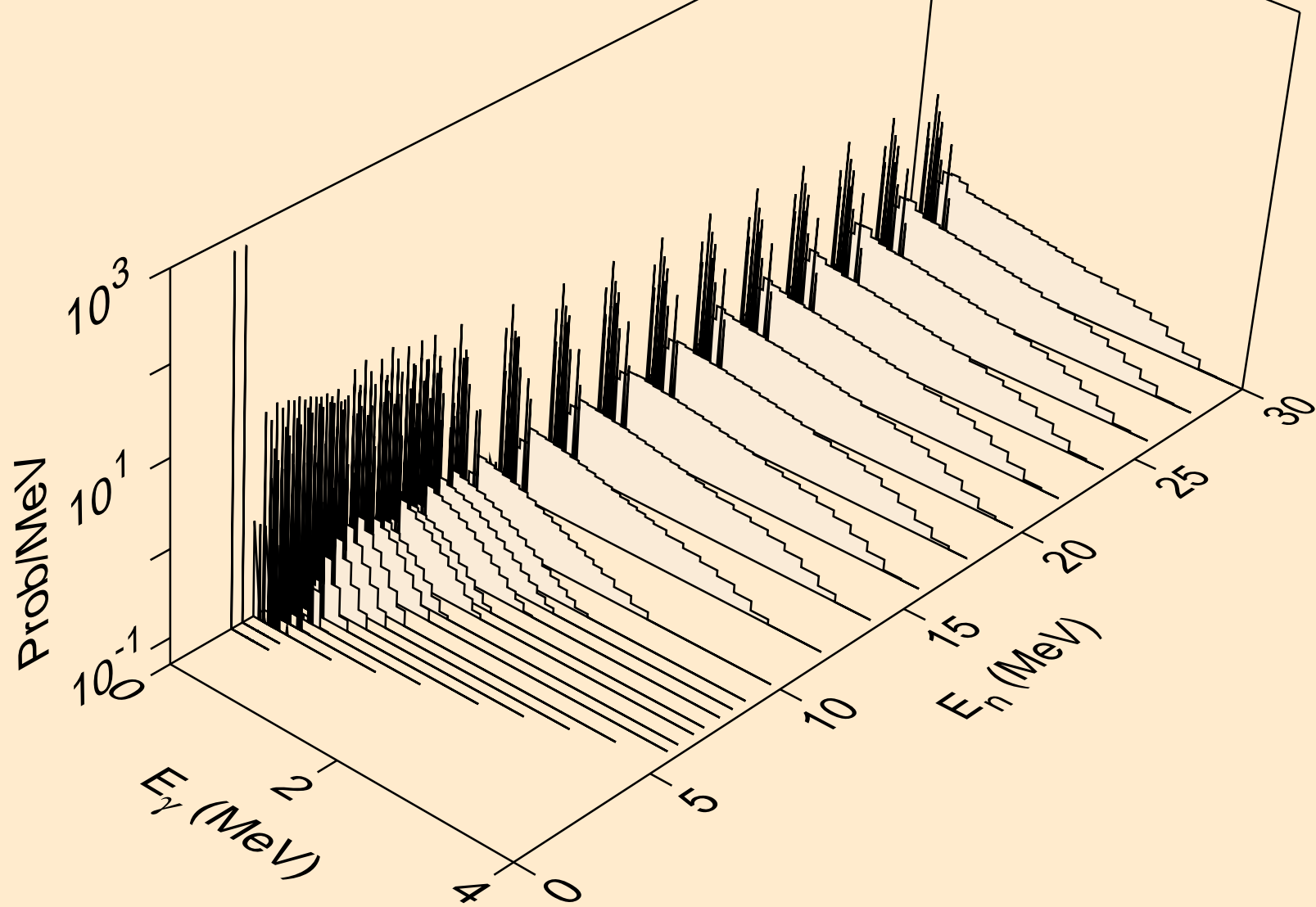
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Photon emission for (n,n\*c)



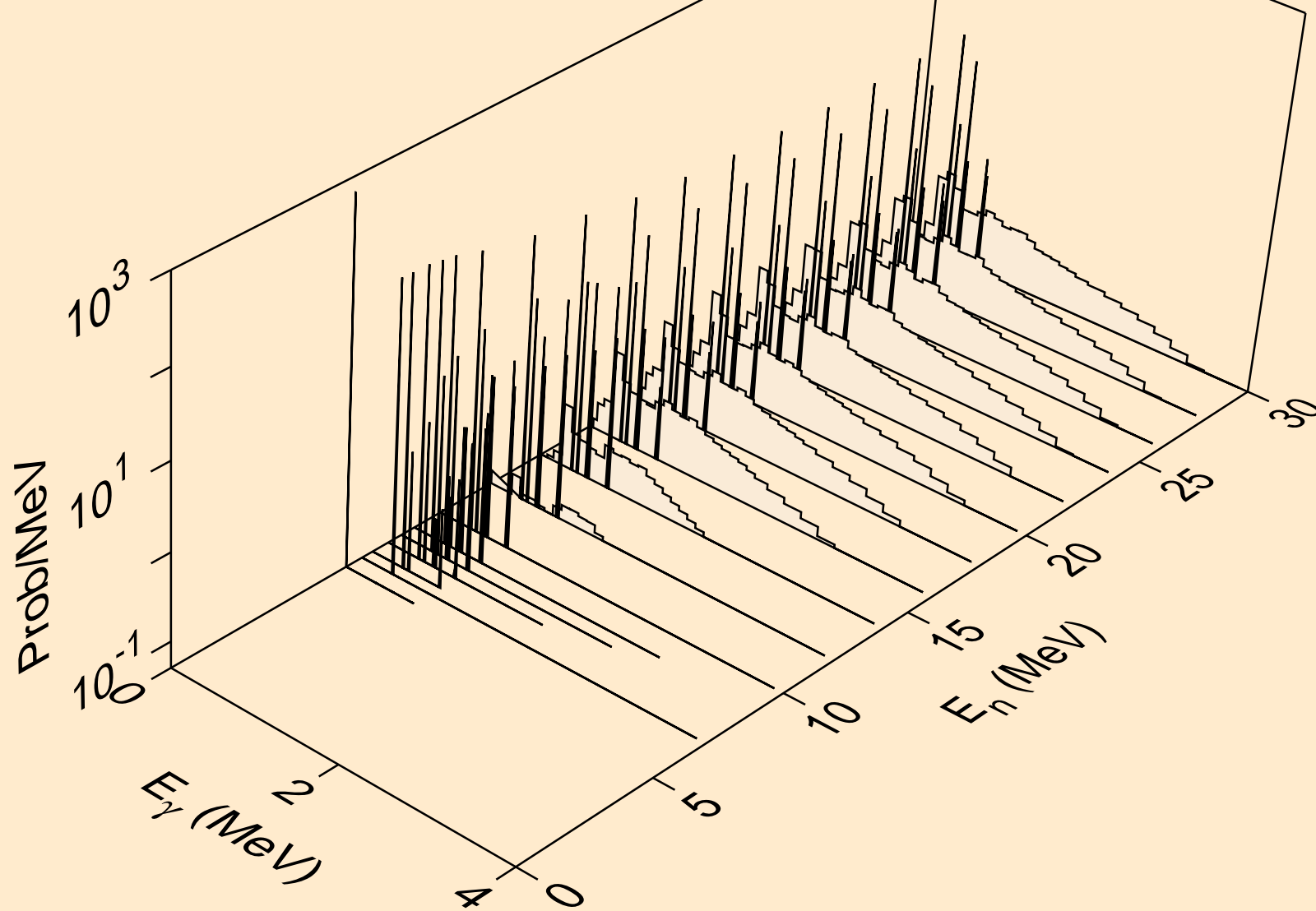
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Photon emission for (n,gma)



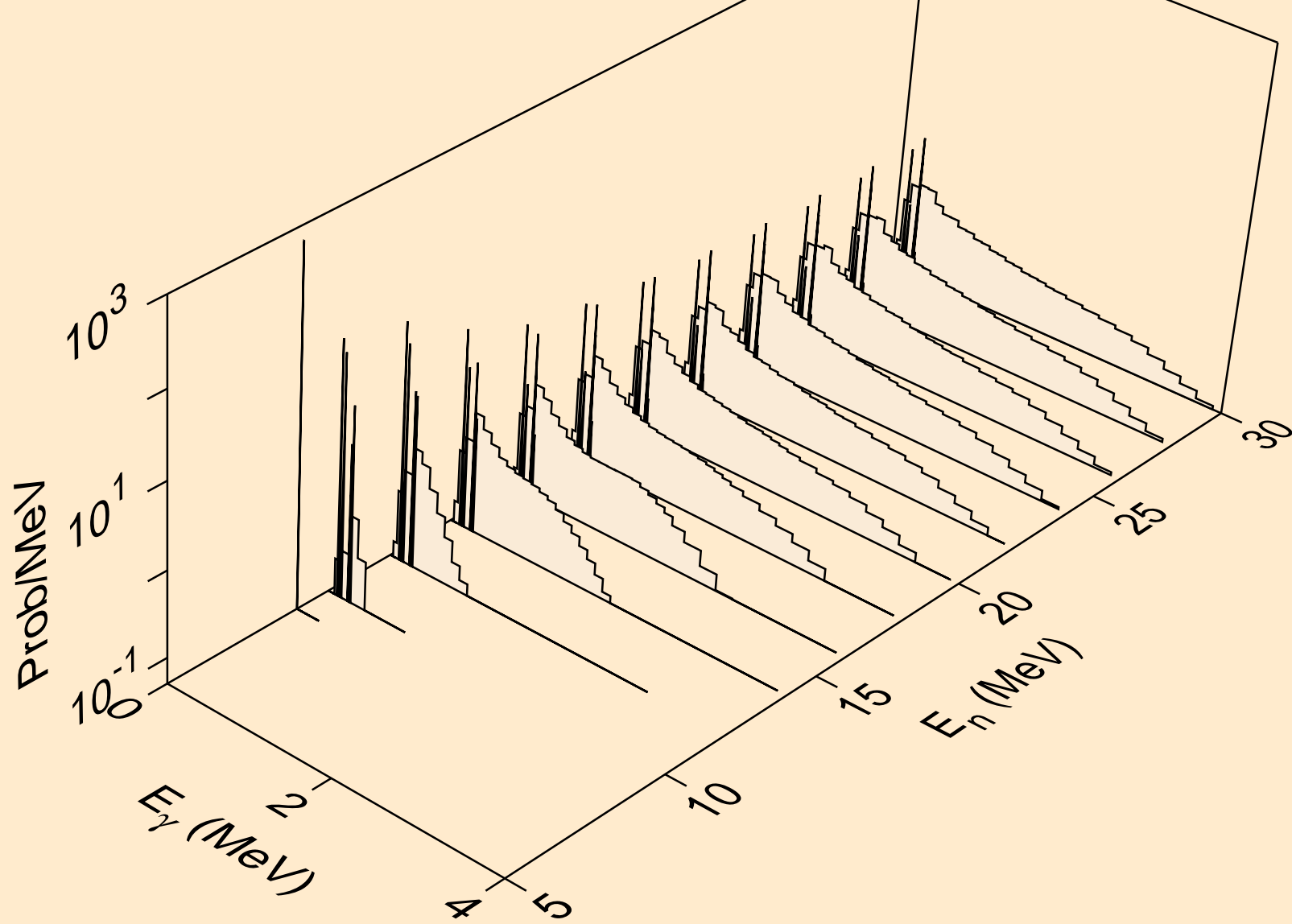
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Photon emission for (n,p)



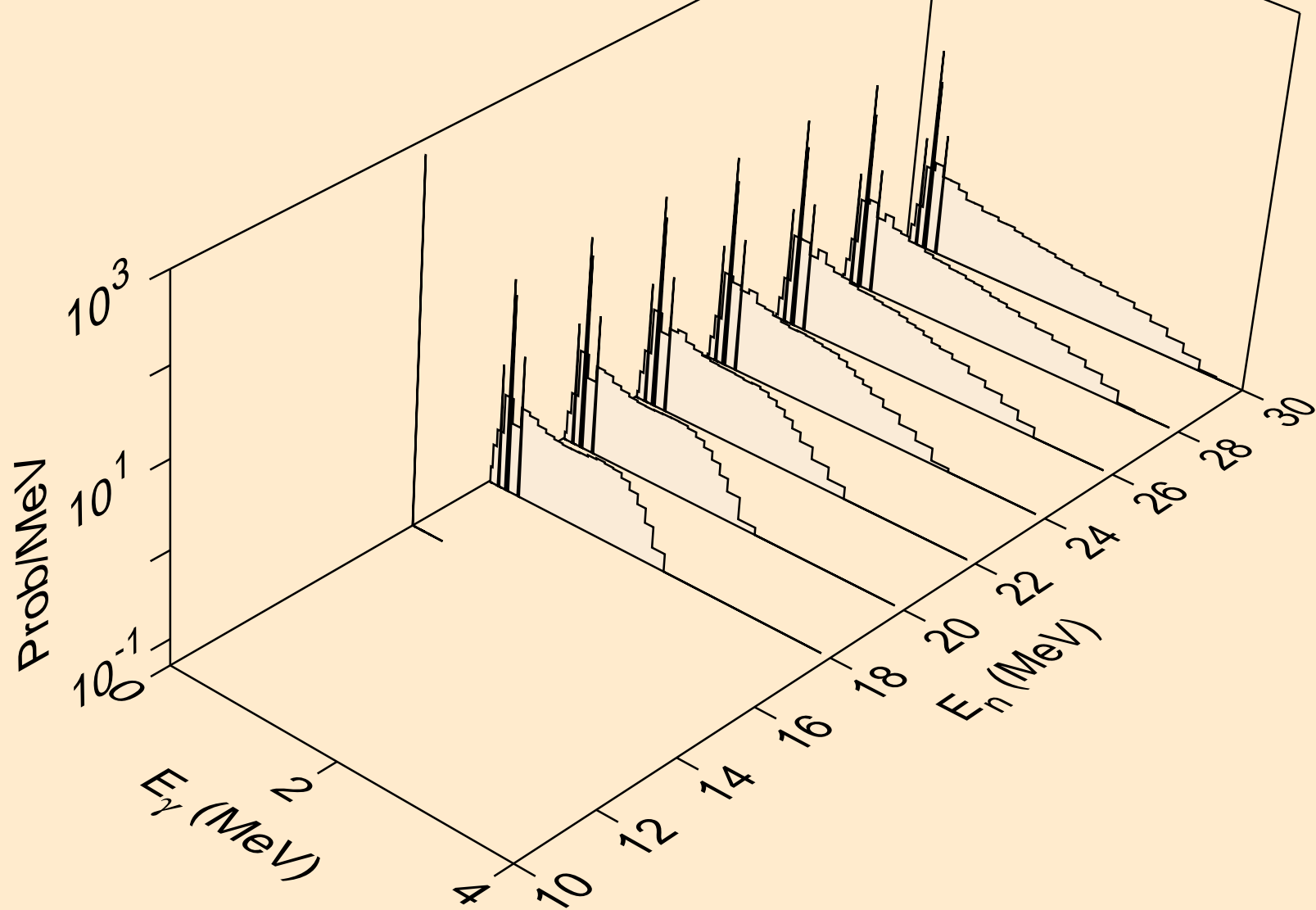
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Photon emission for (n,d)



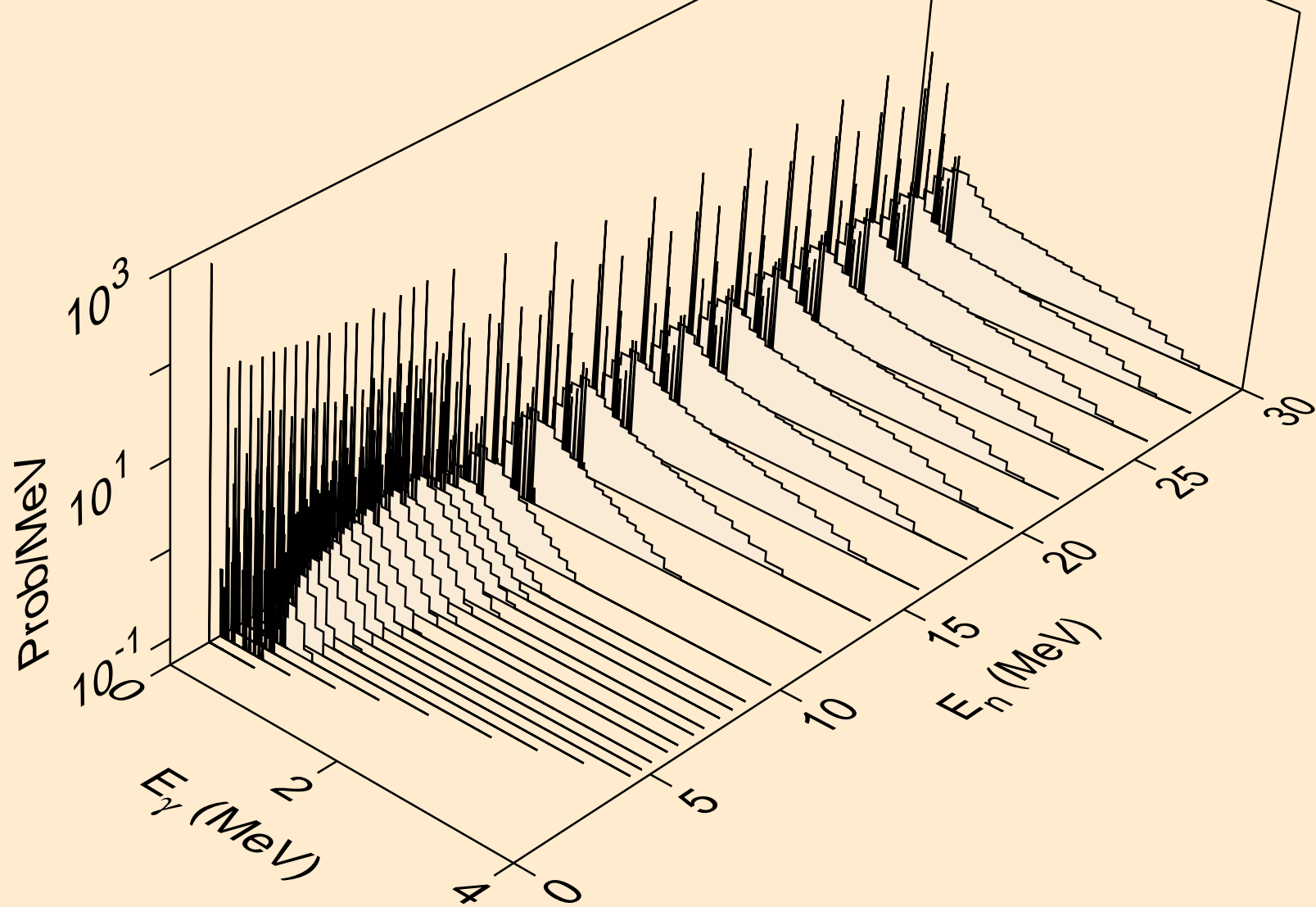
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Photon emission for (n,t)



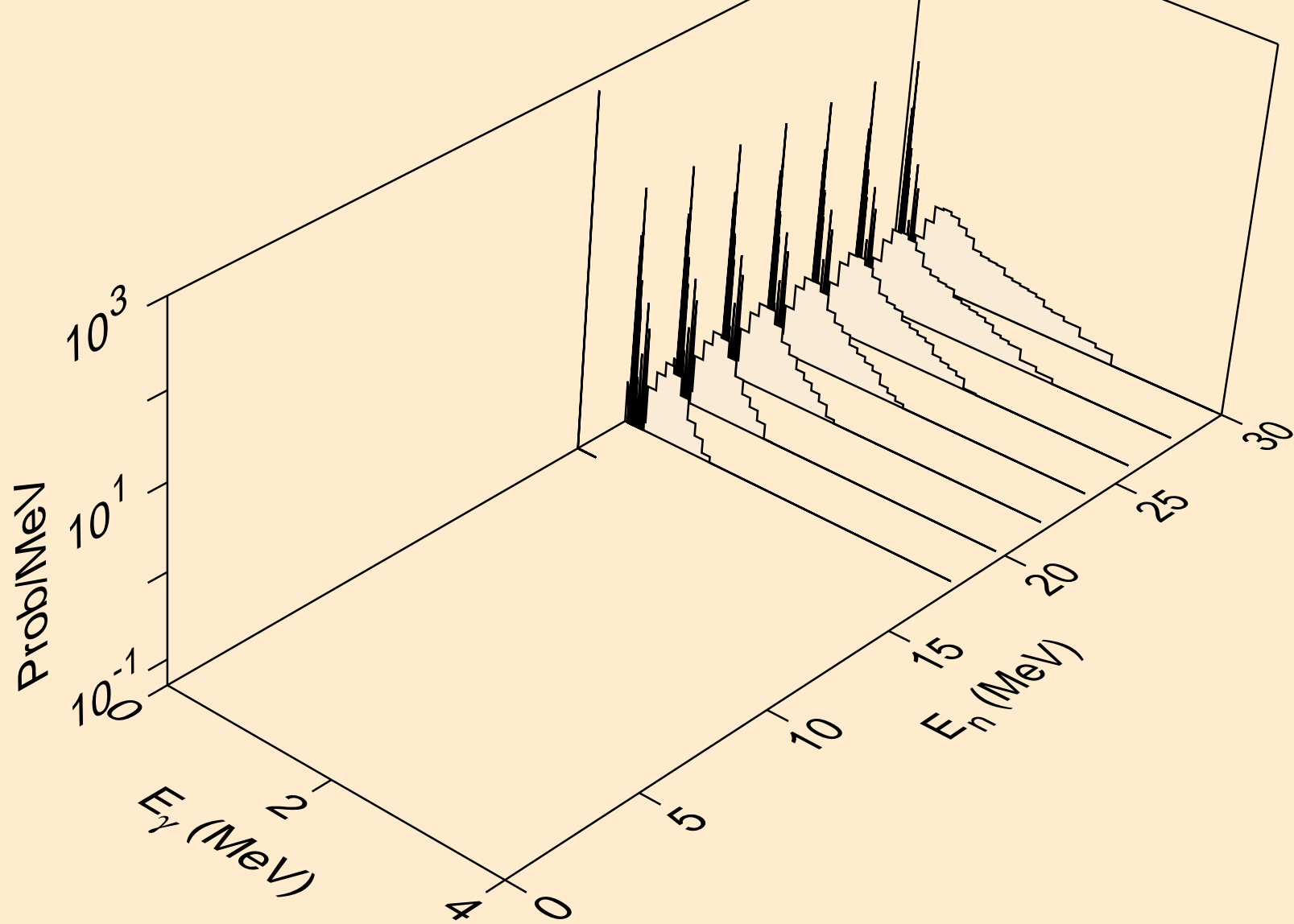
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Photon emission for (n,he3)



AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)

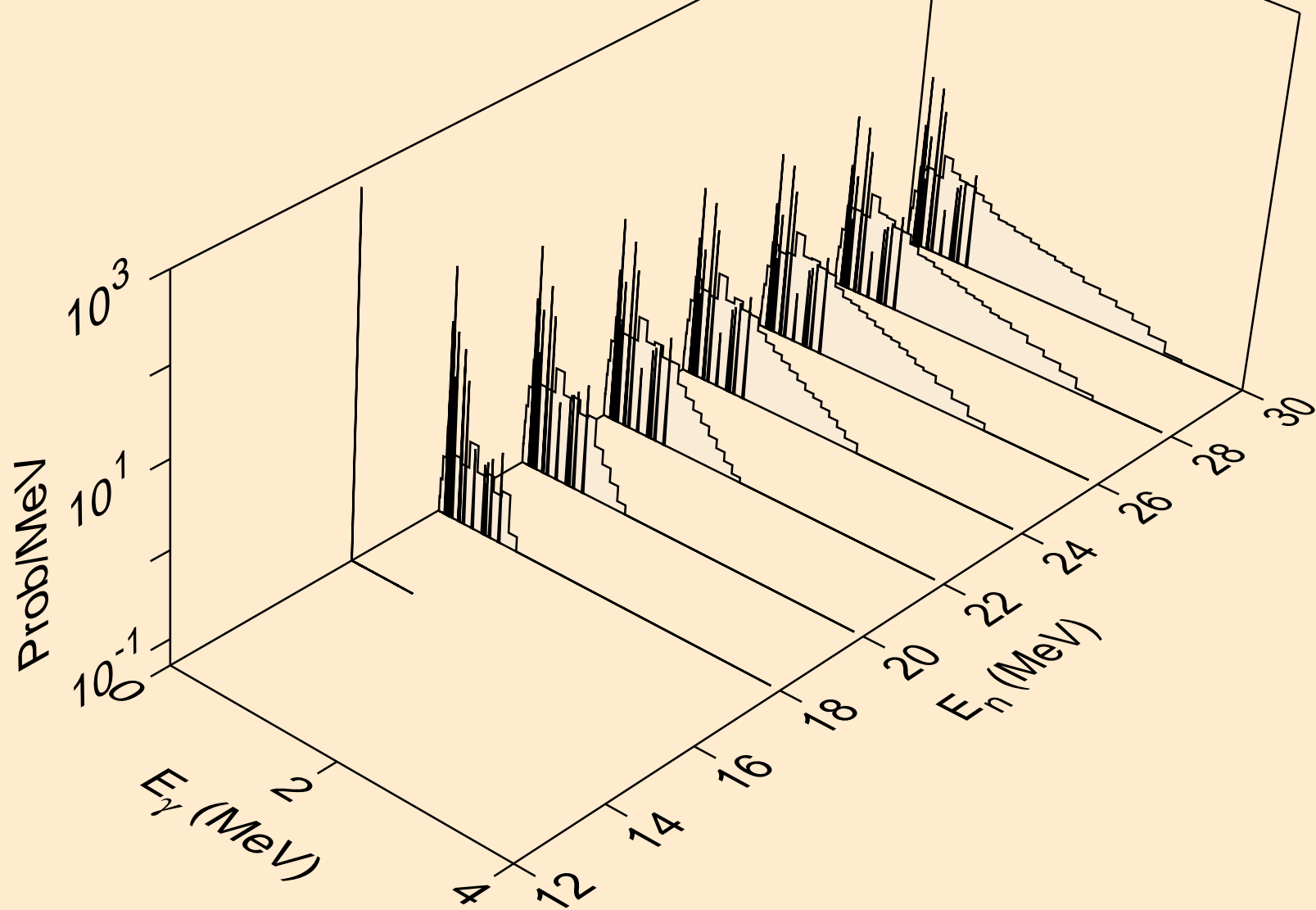


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Photon emission for (n,2a)

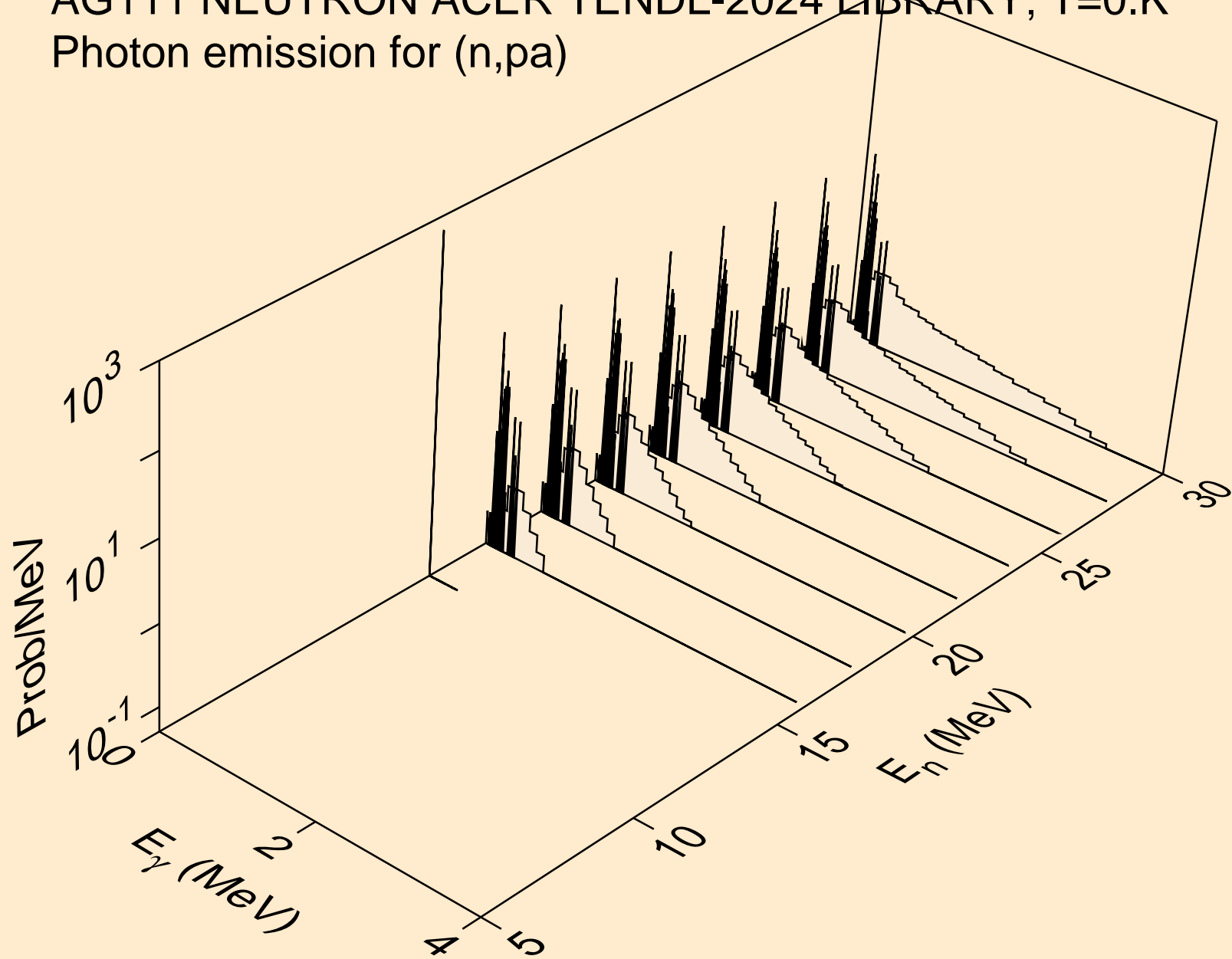




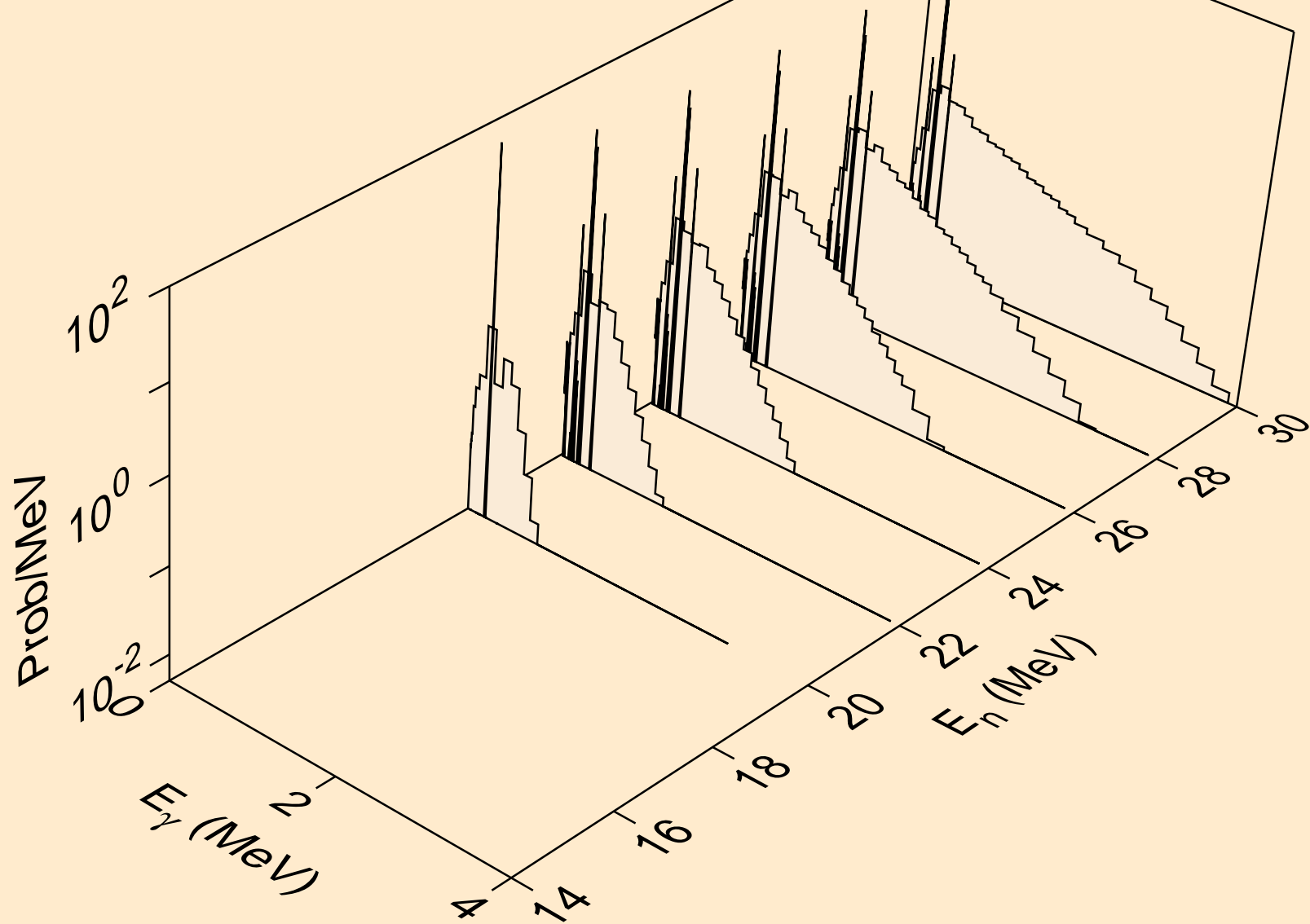
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Photon emission for (n,2p)



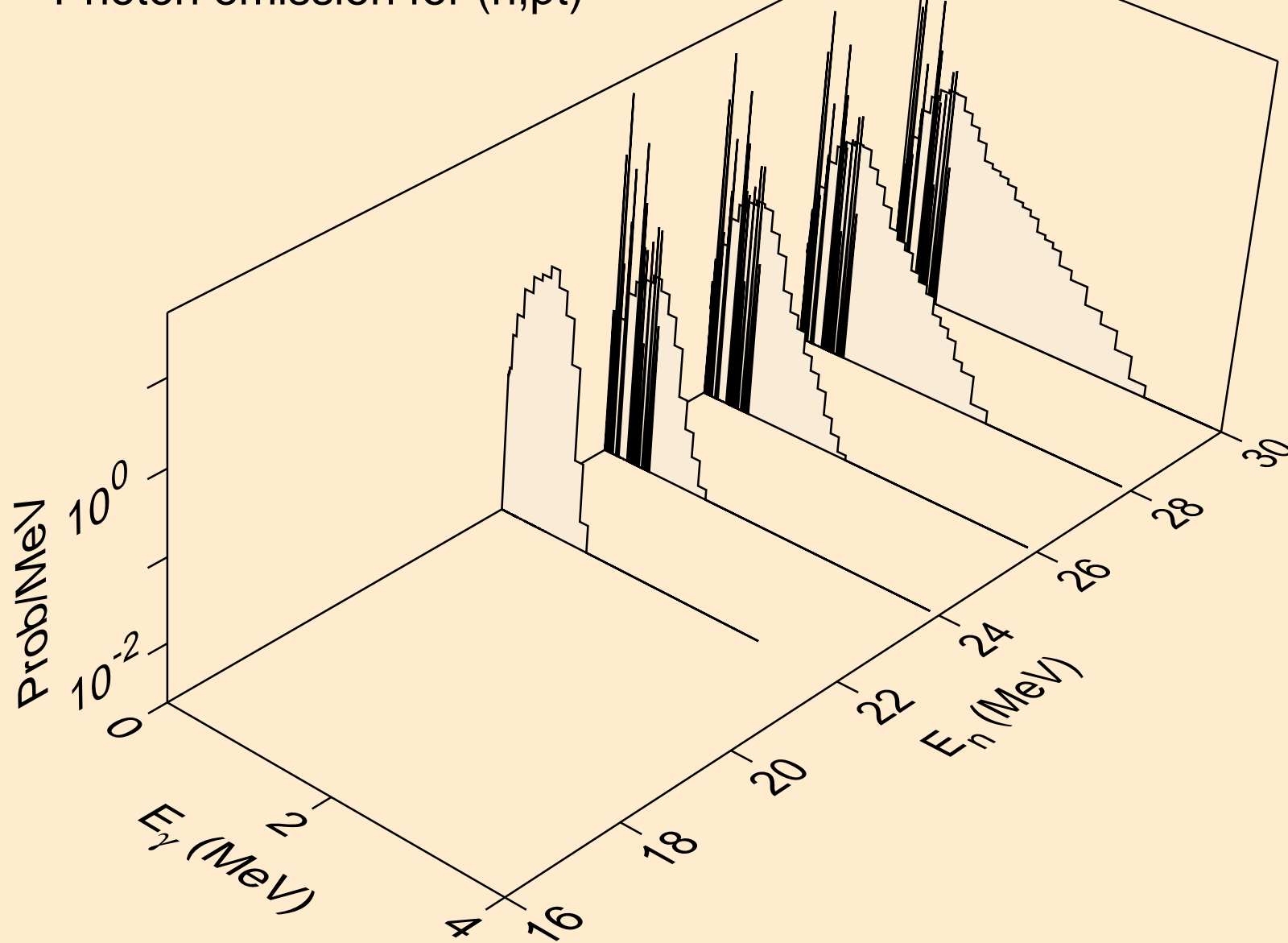
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Photon emission for (n,p $\alpha$ )



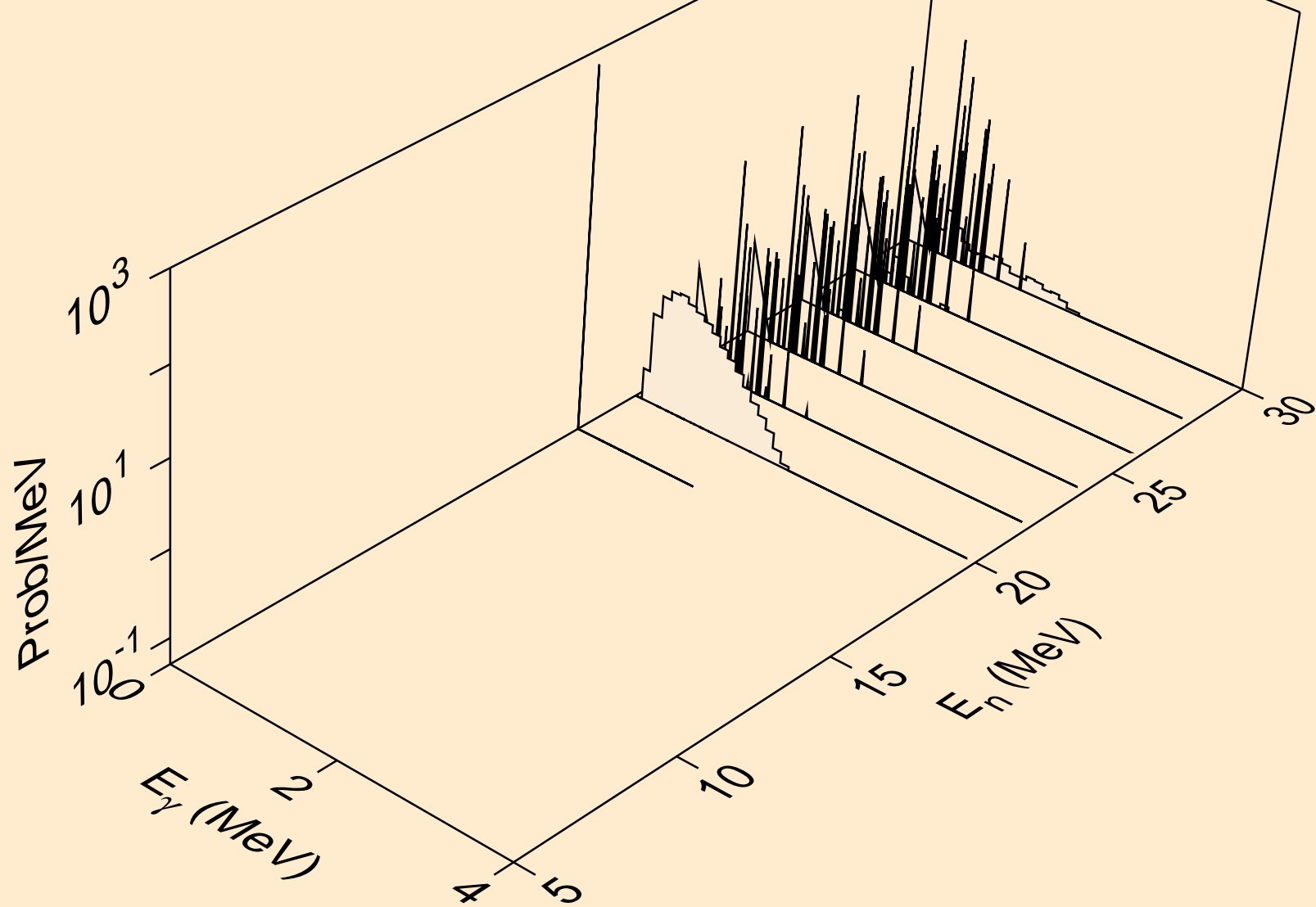
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Photon emission for (n,pd)



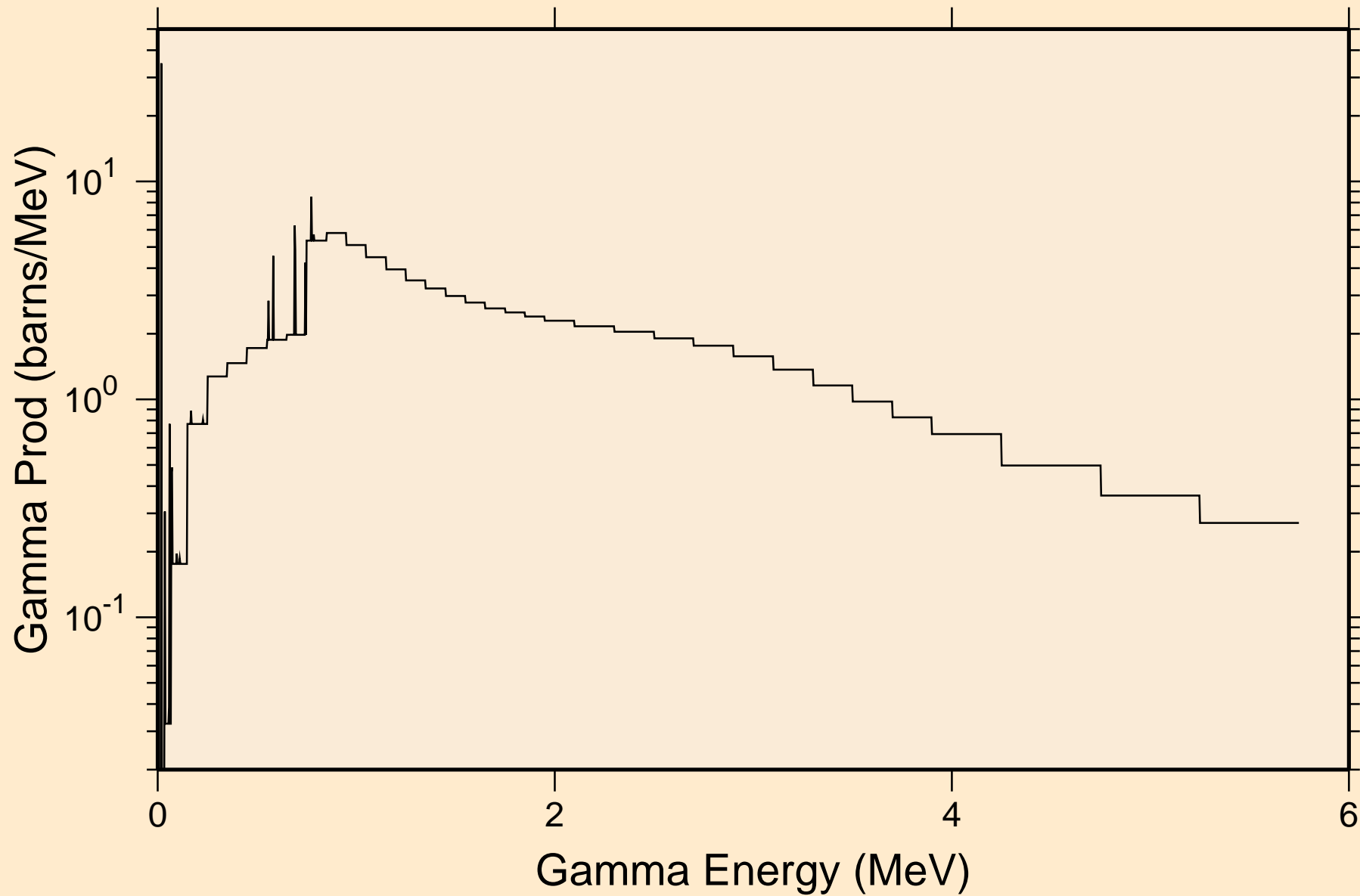
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Photon emission for (n,pt)



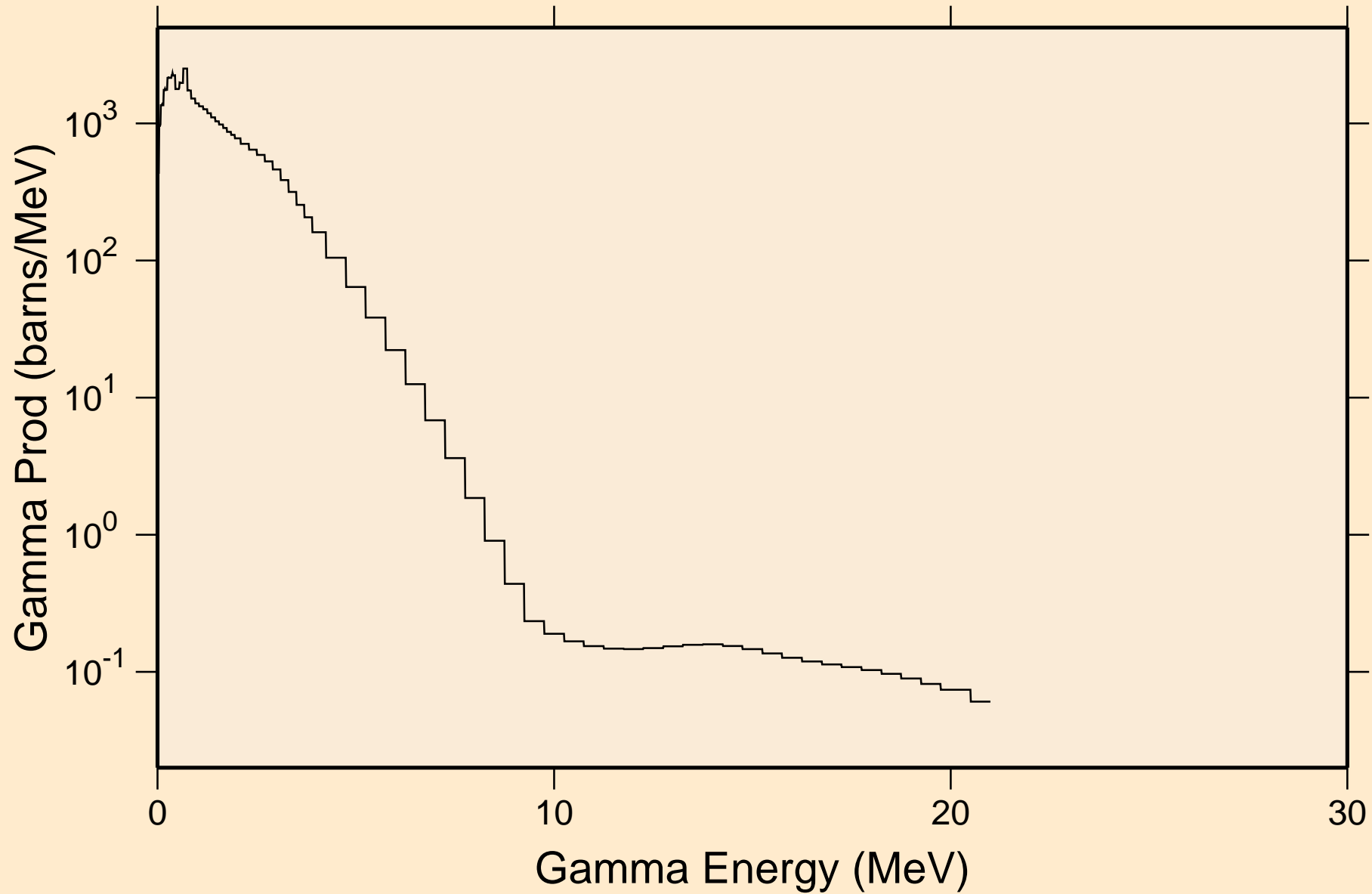
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

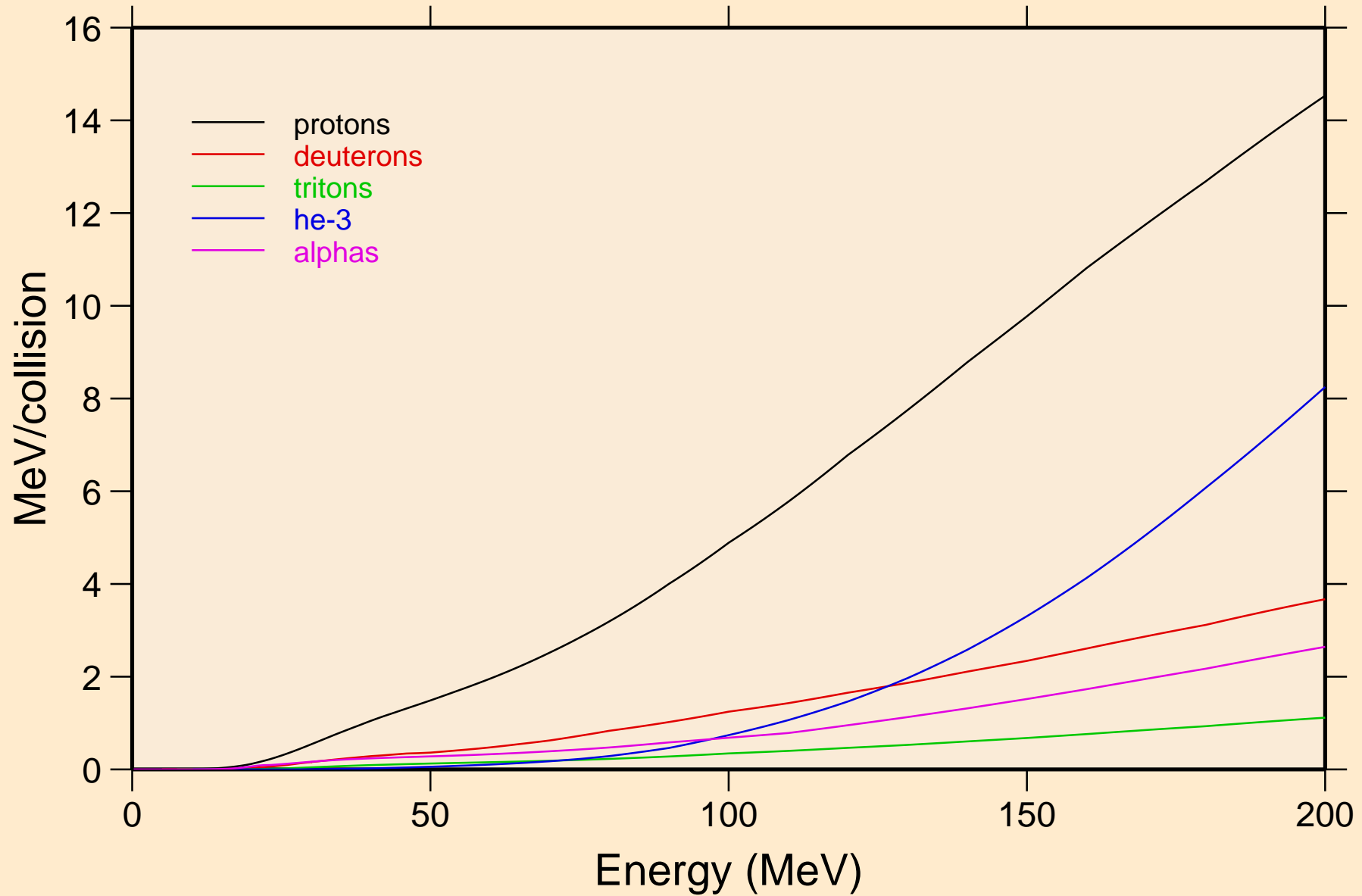


AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum



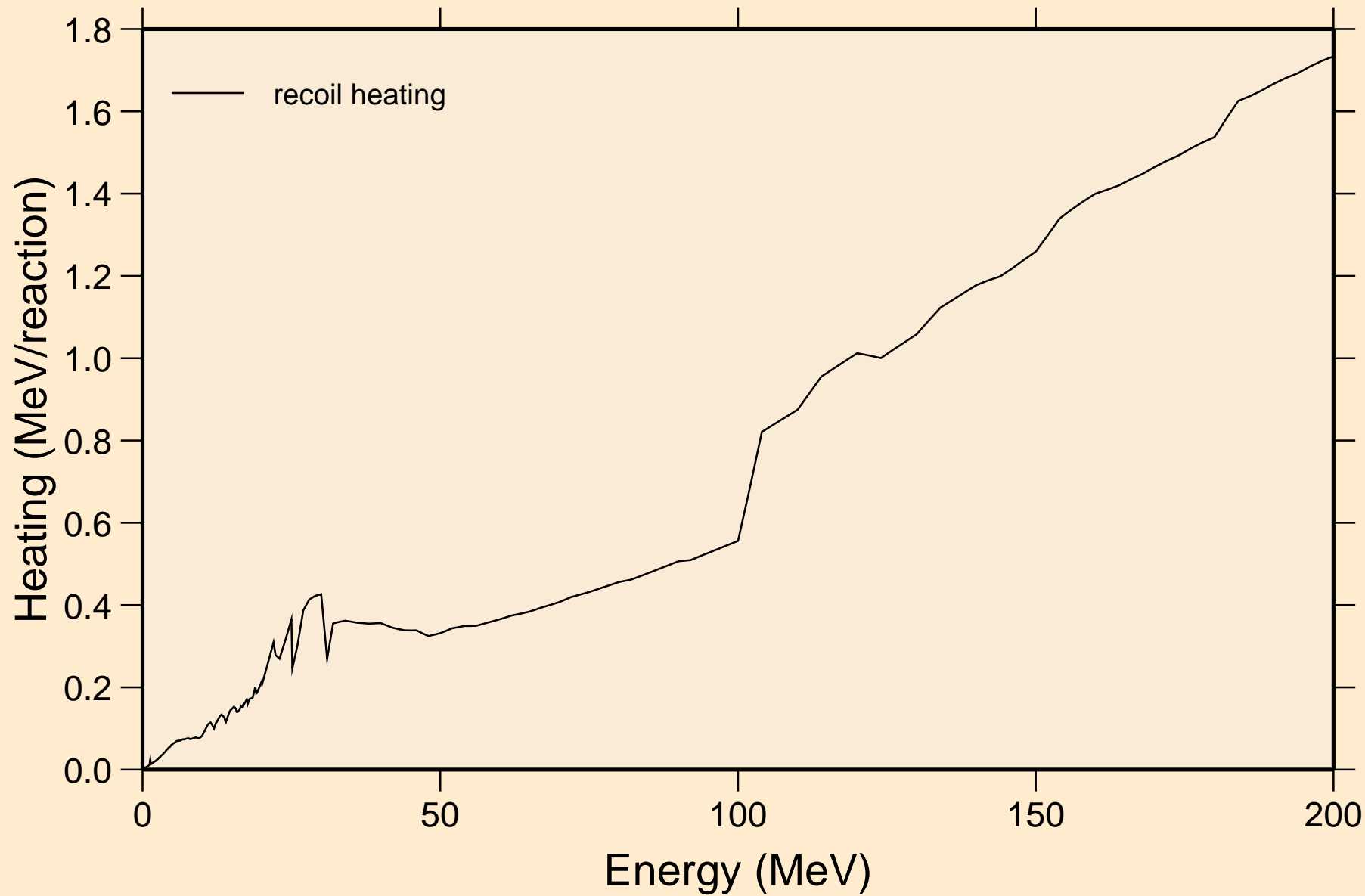
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## Particle heating contributions

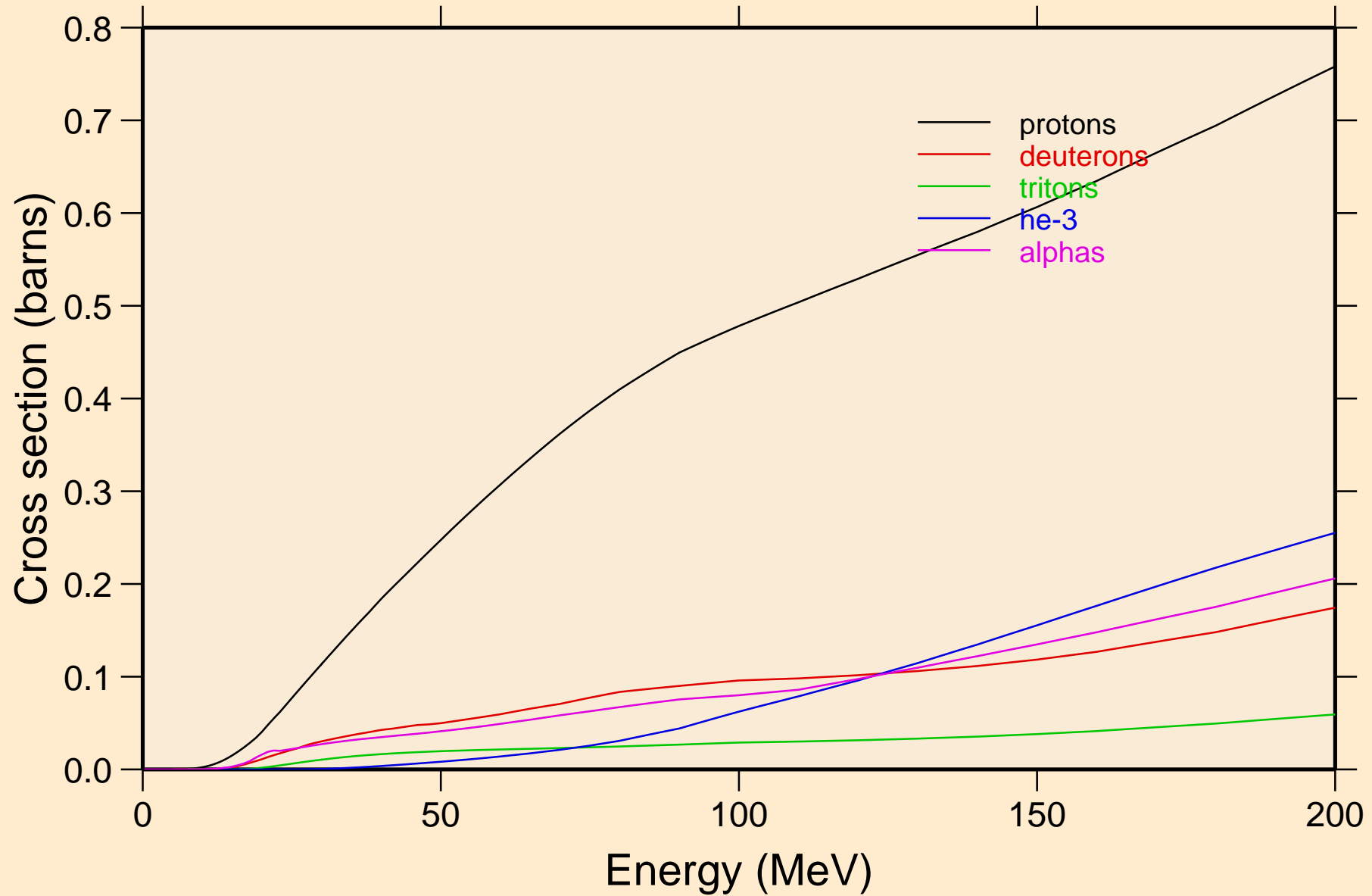




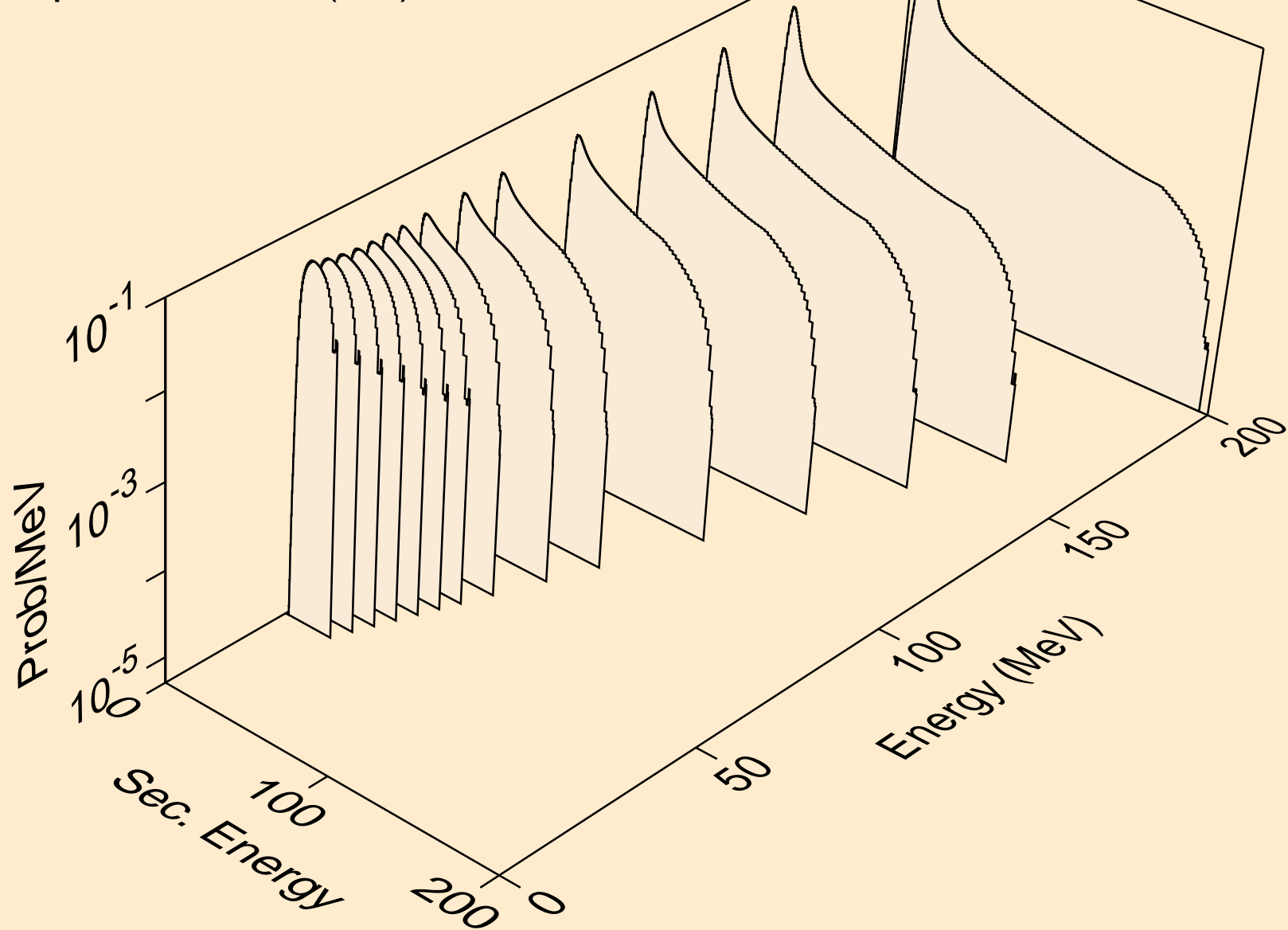
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Recoil Heating



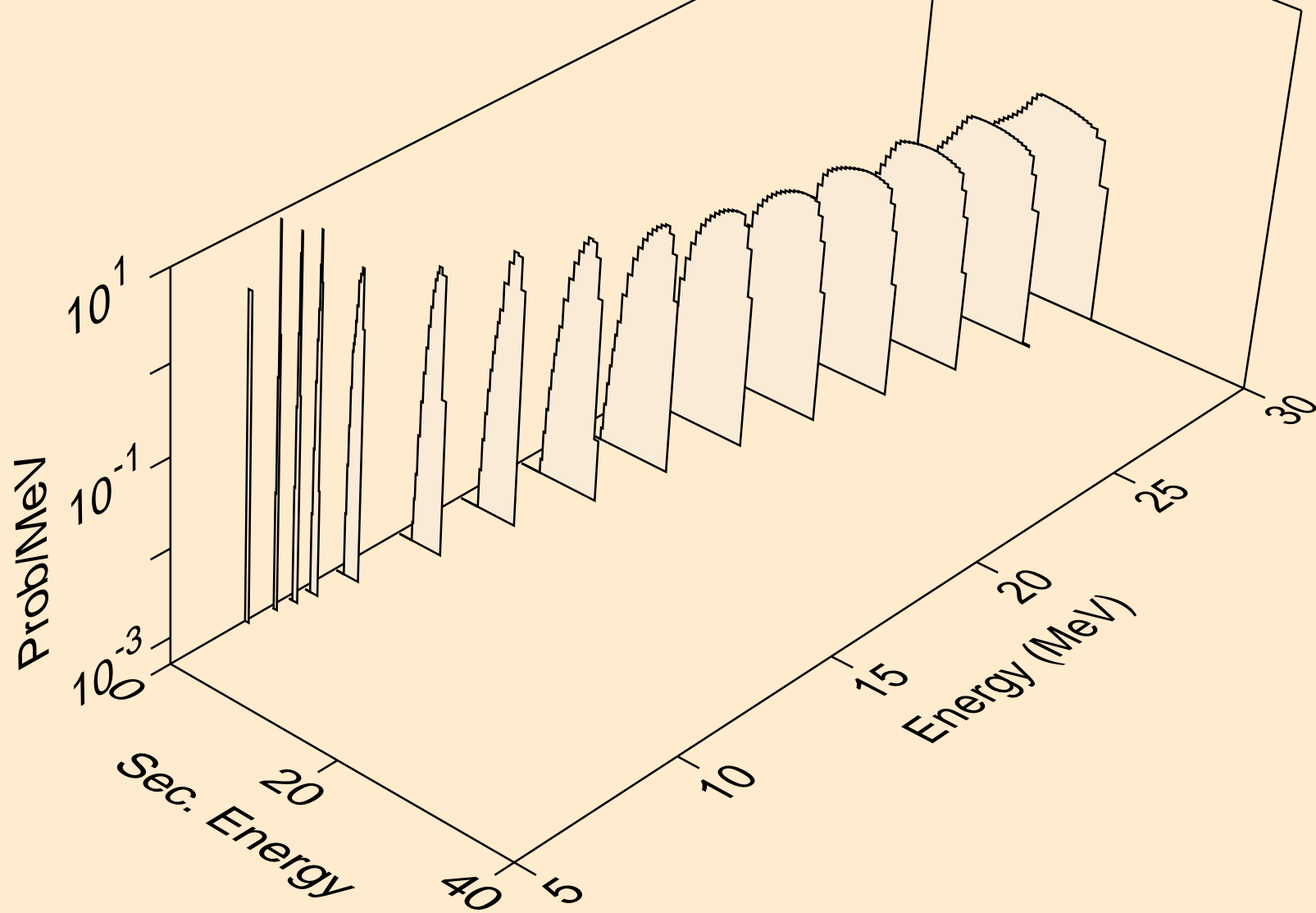
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Particle production cross sections



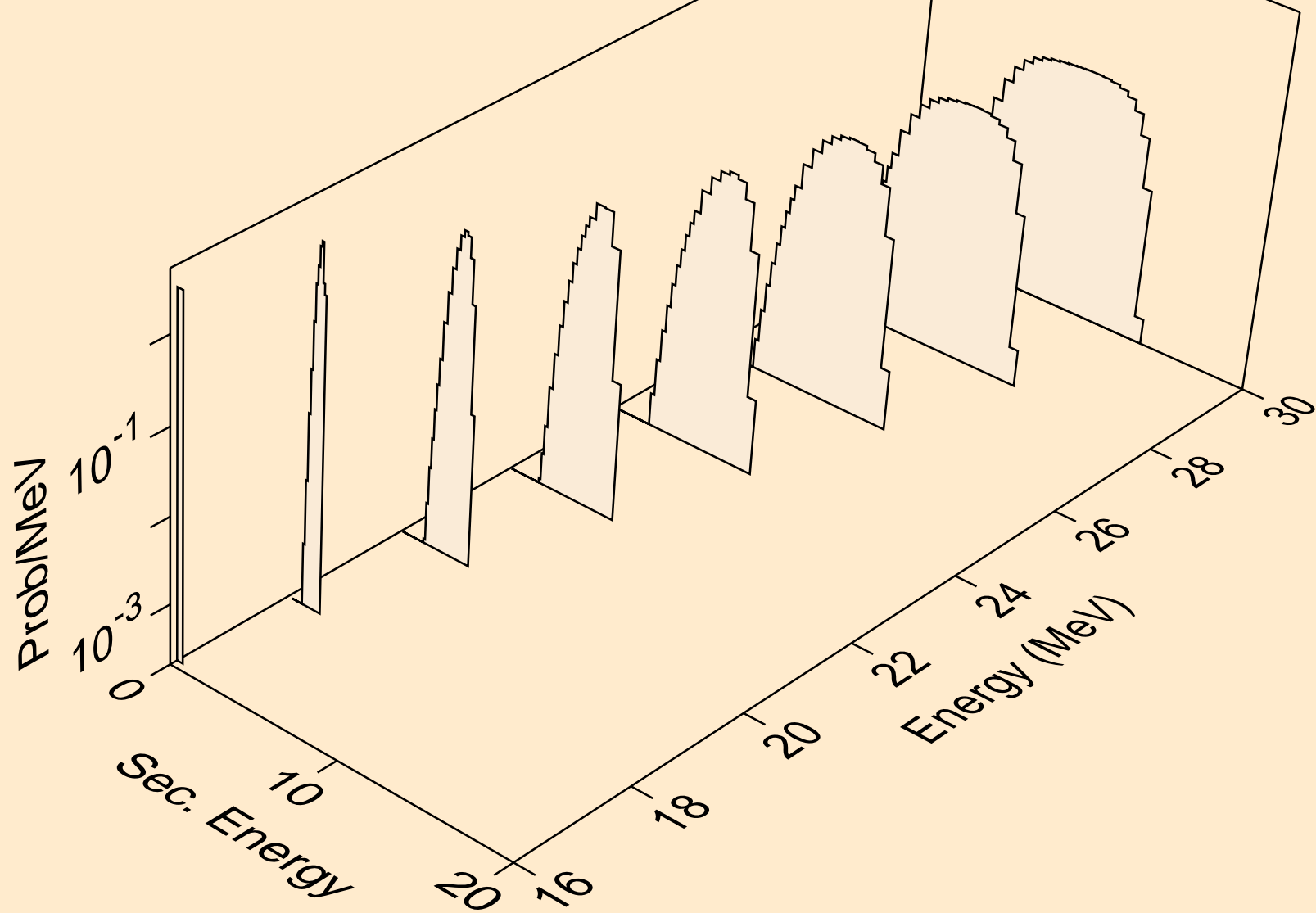
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protons from (n,x)



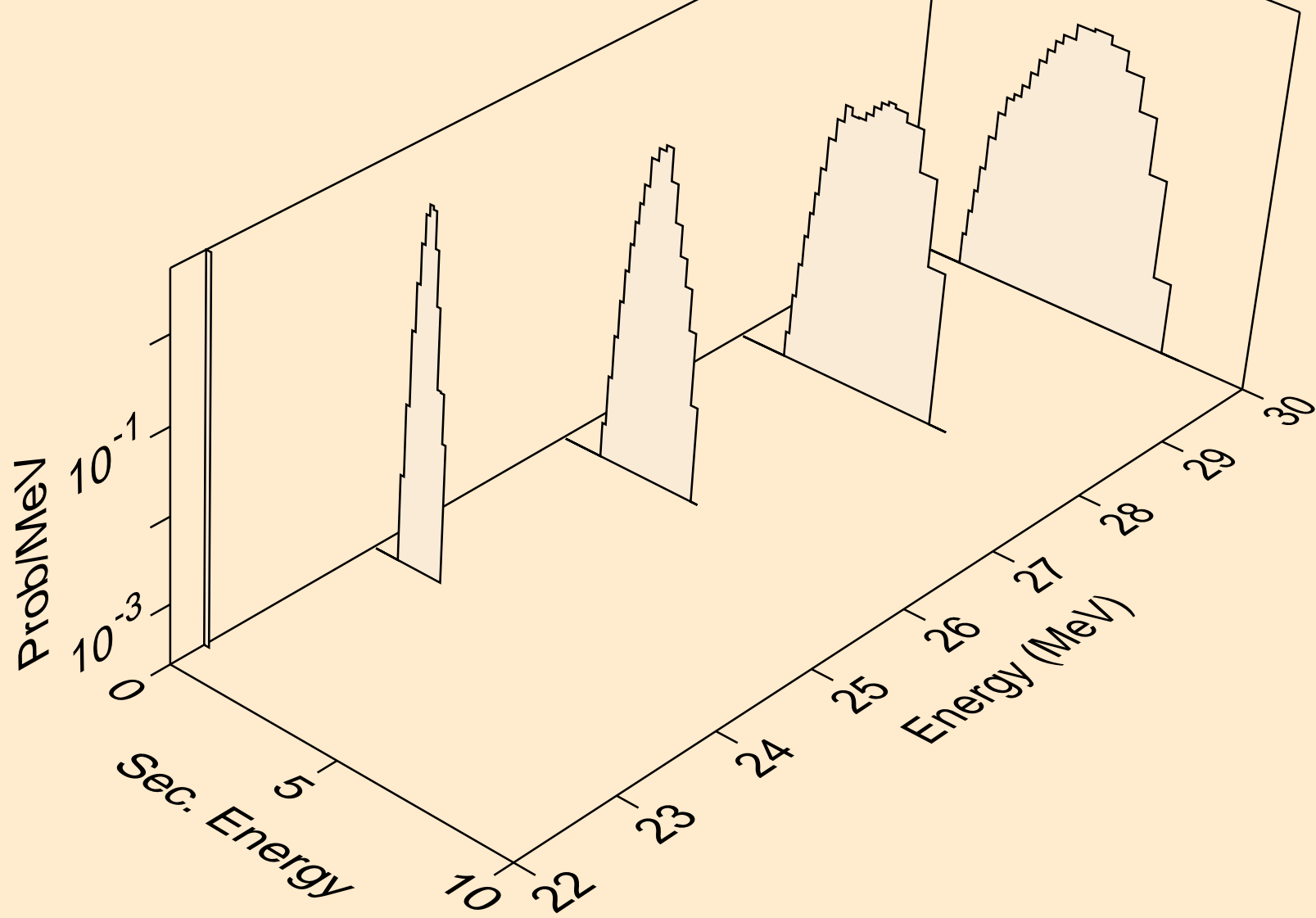
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protons from (n,n\*)p



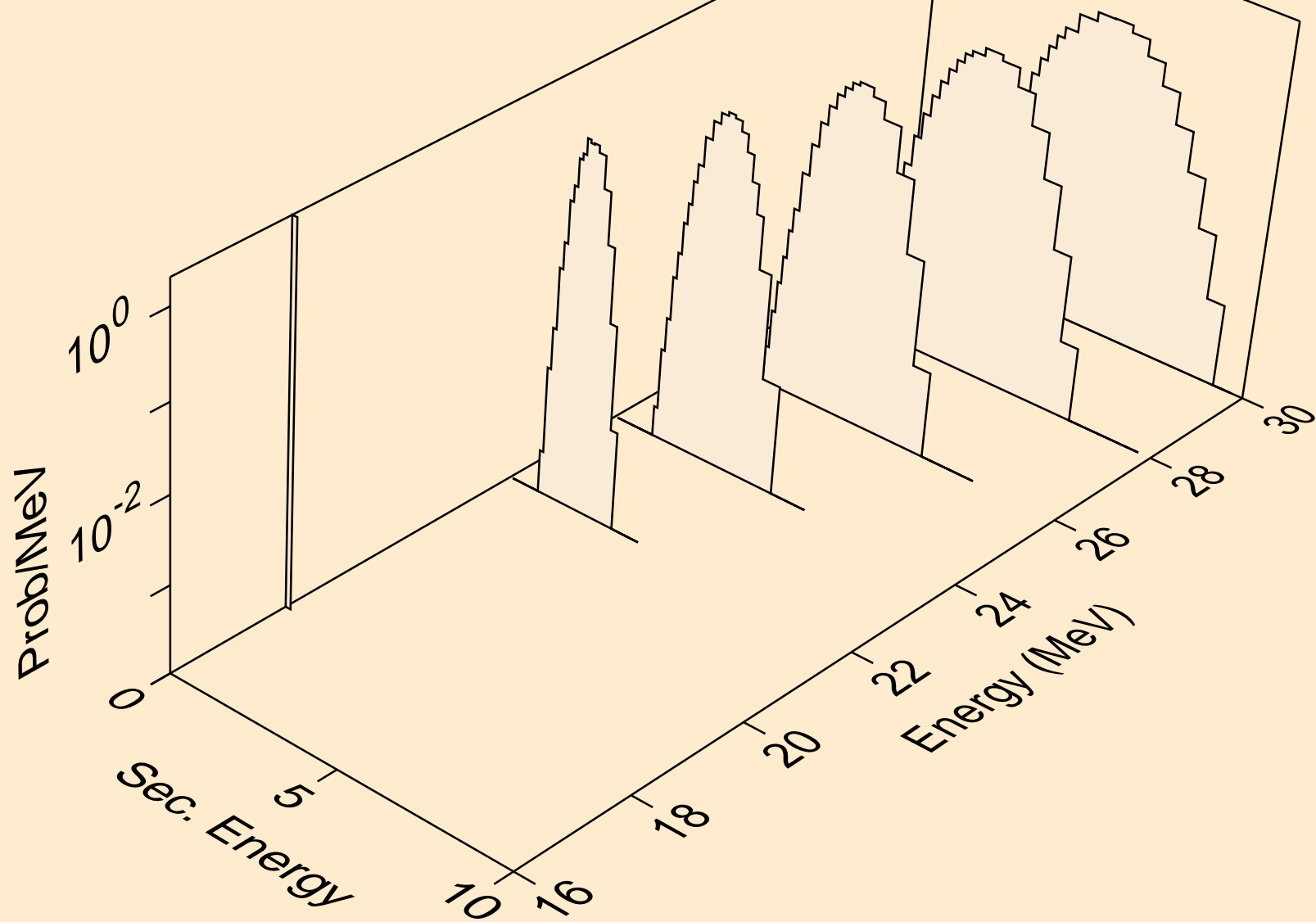
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protons from (n,2np)



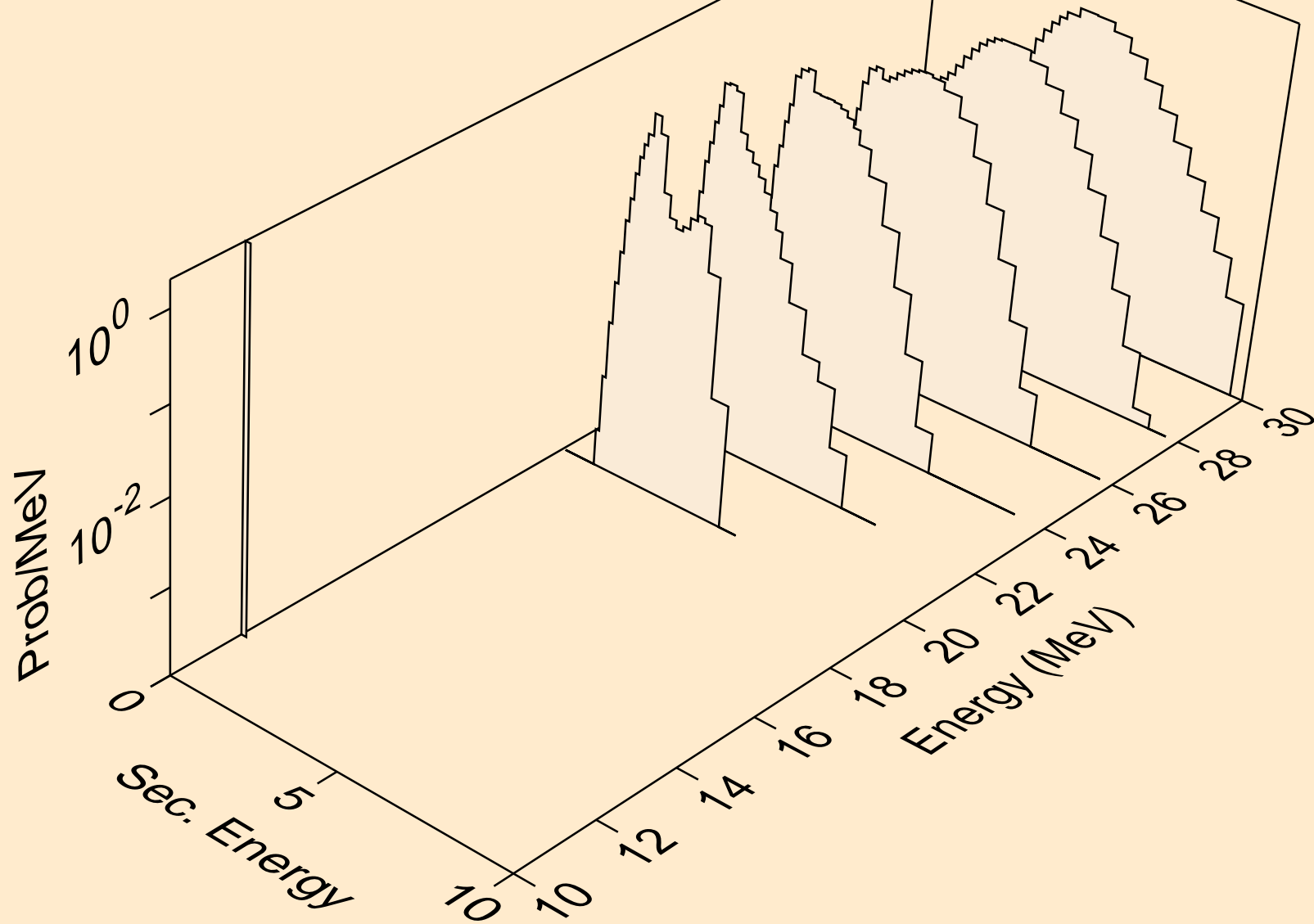
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protons from (n,3np)



AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n2p)

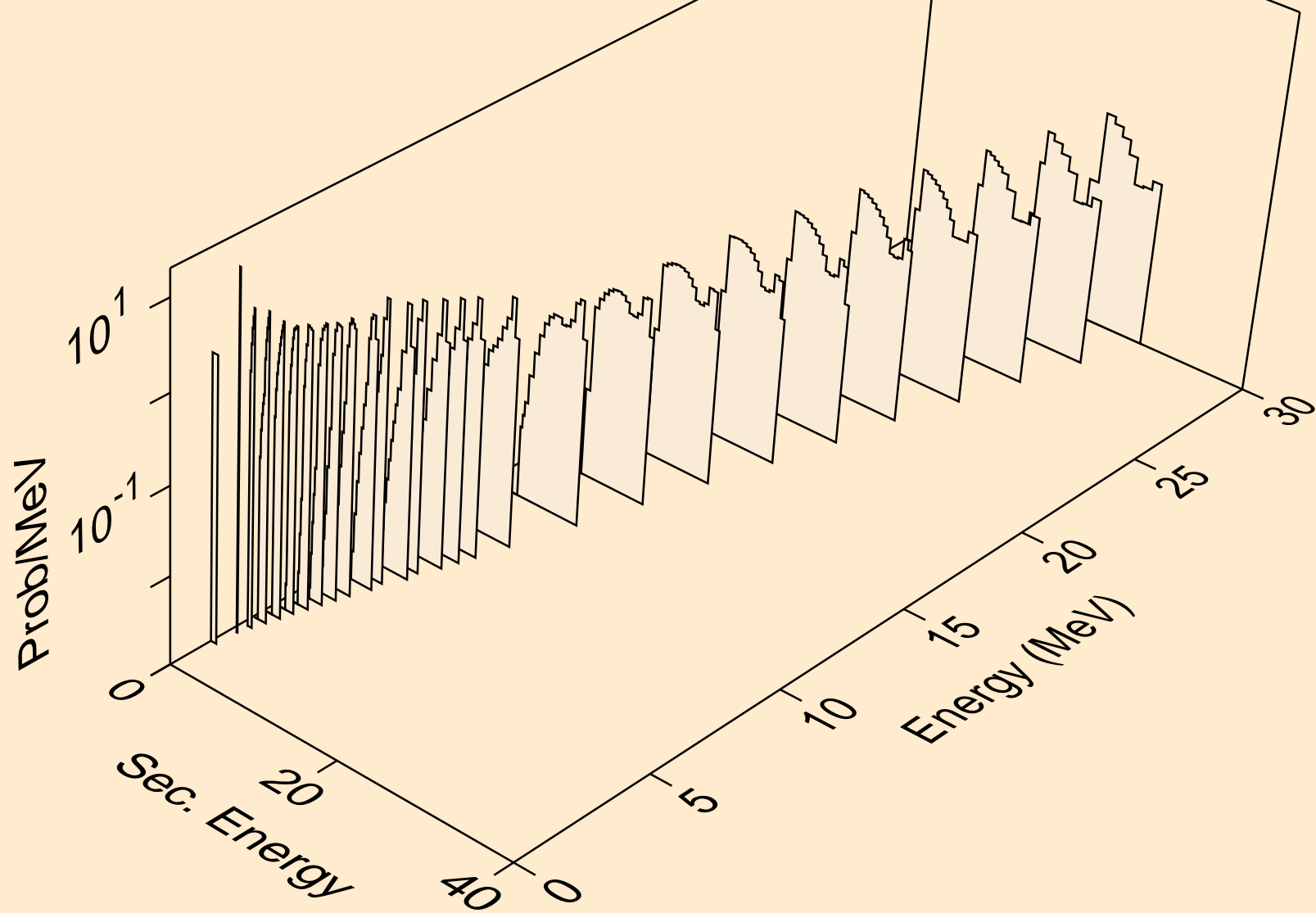


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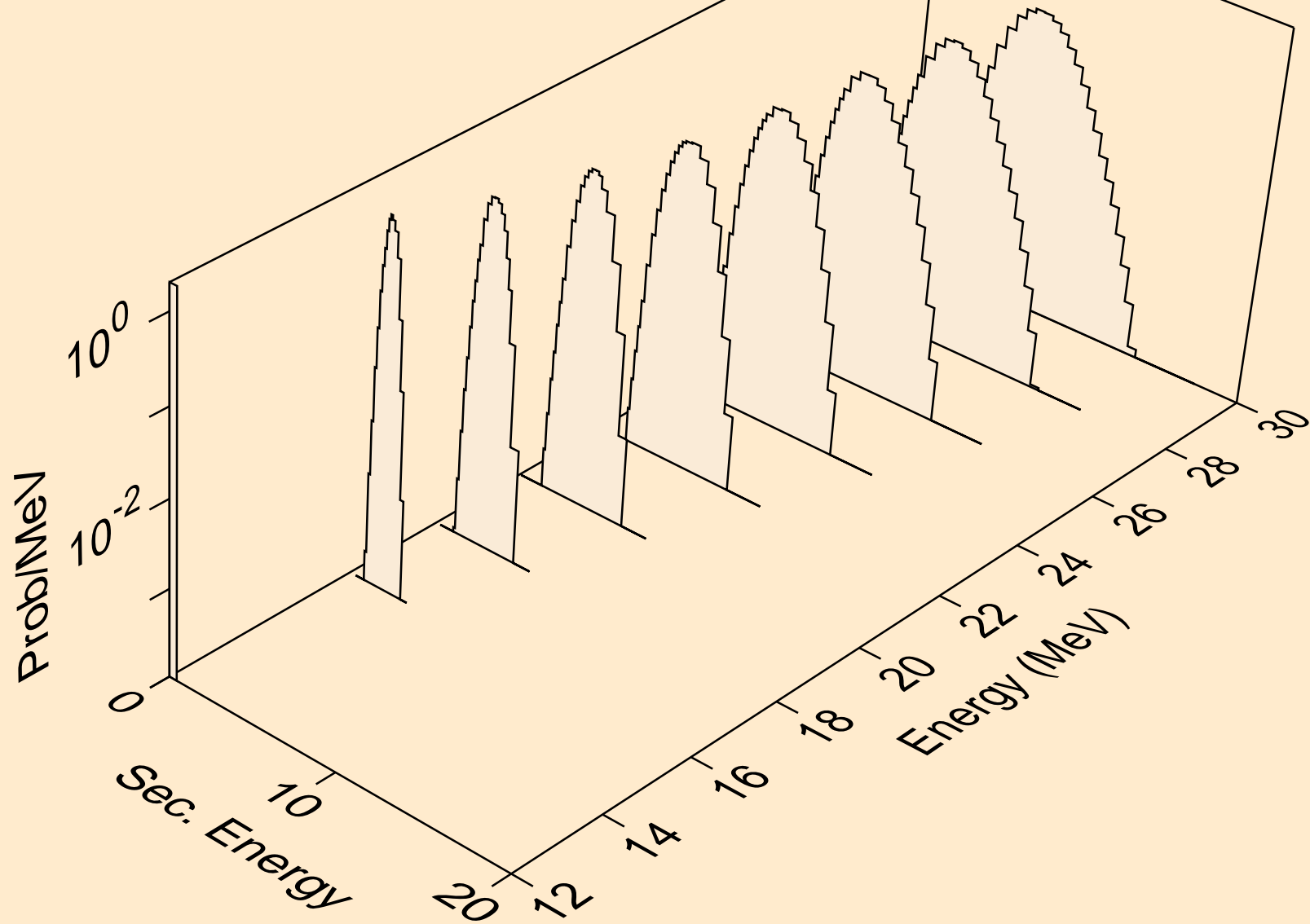




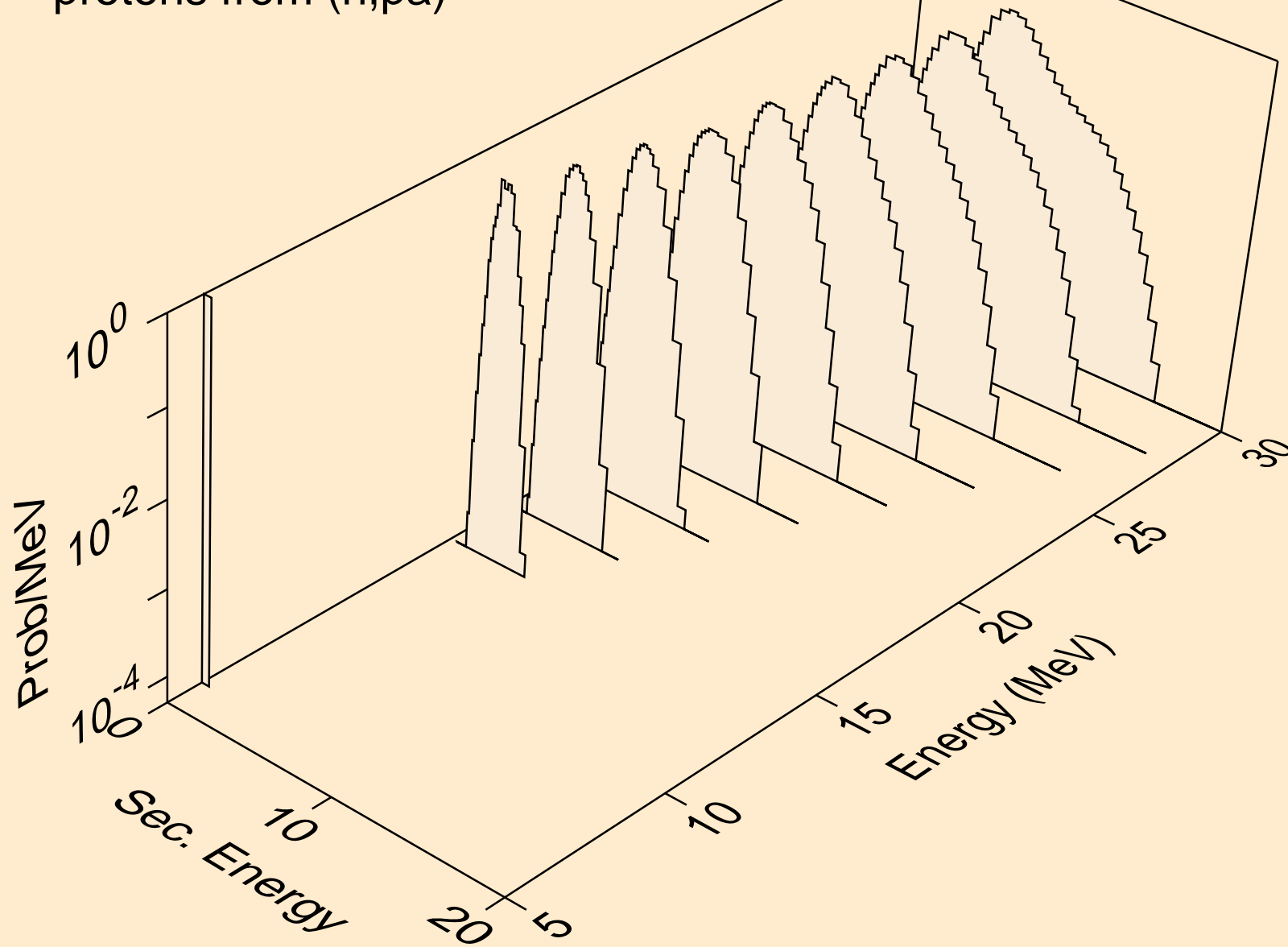
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protons from (n,p)



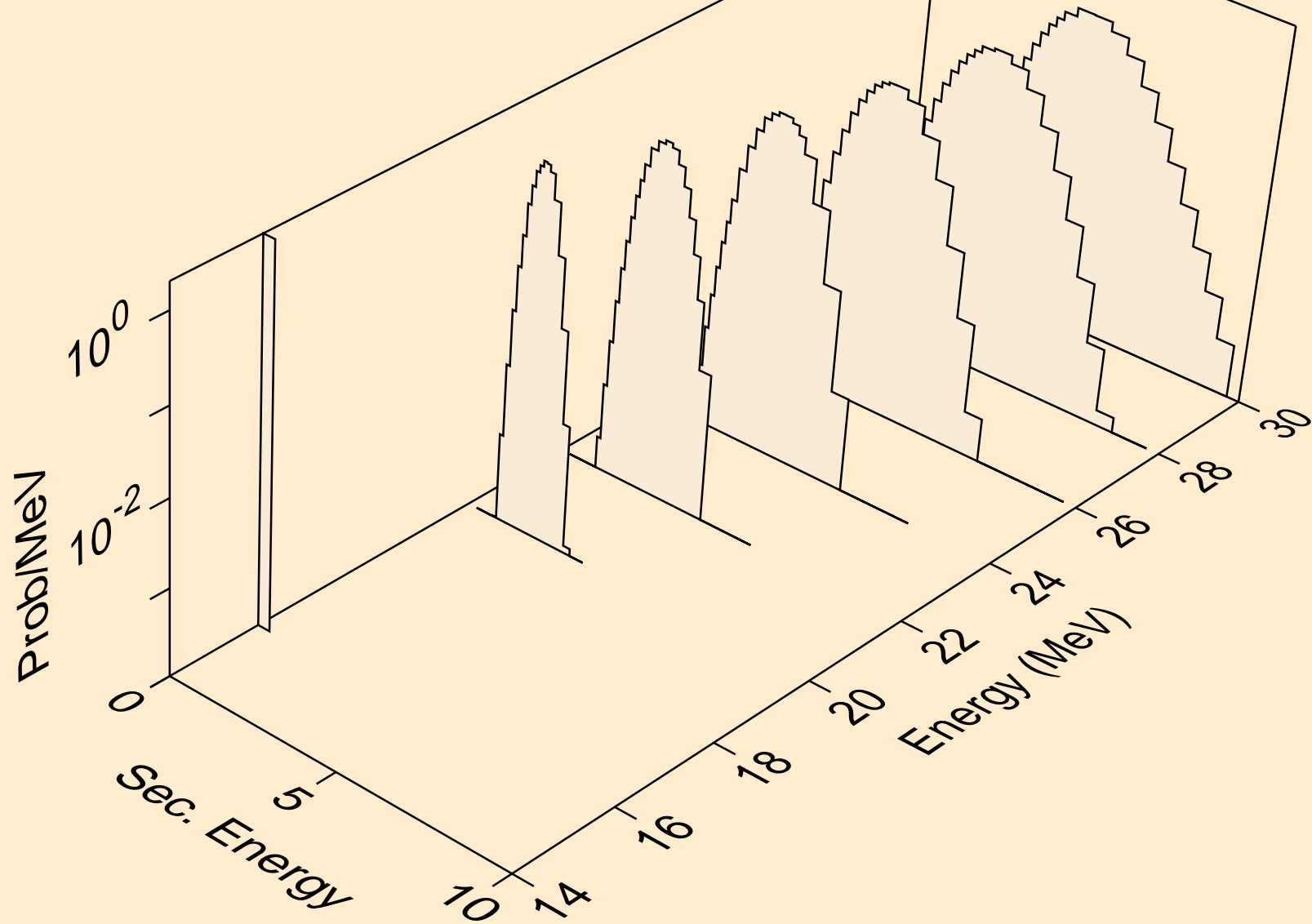
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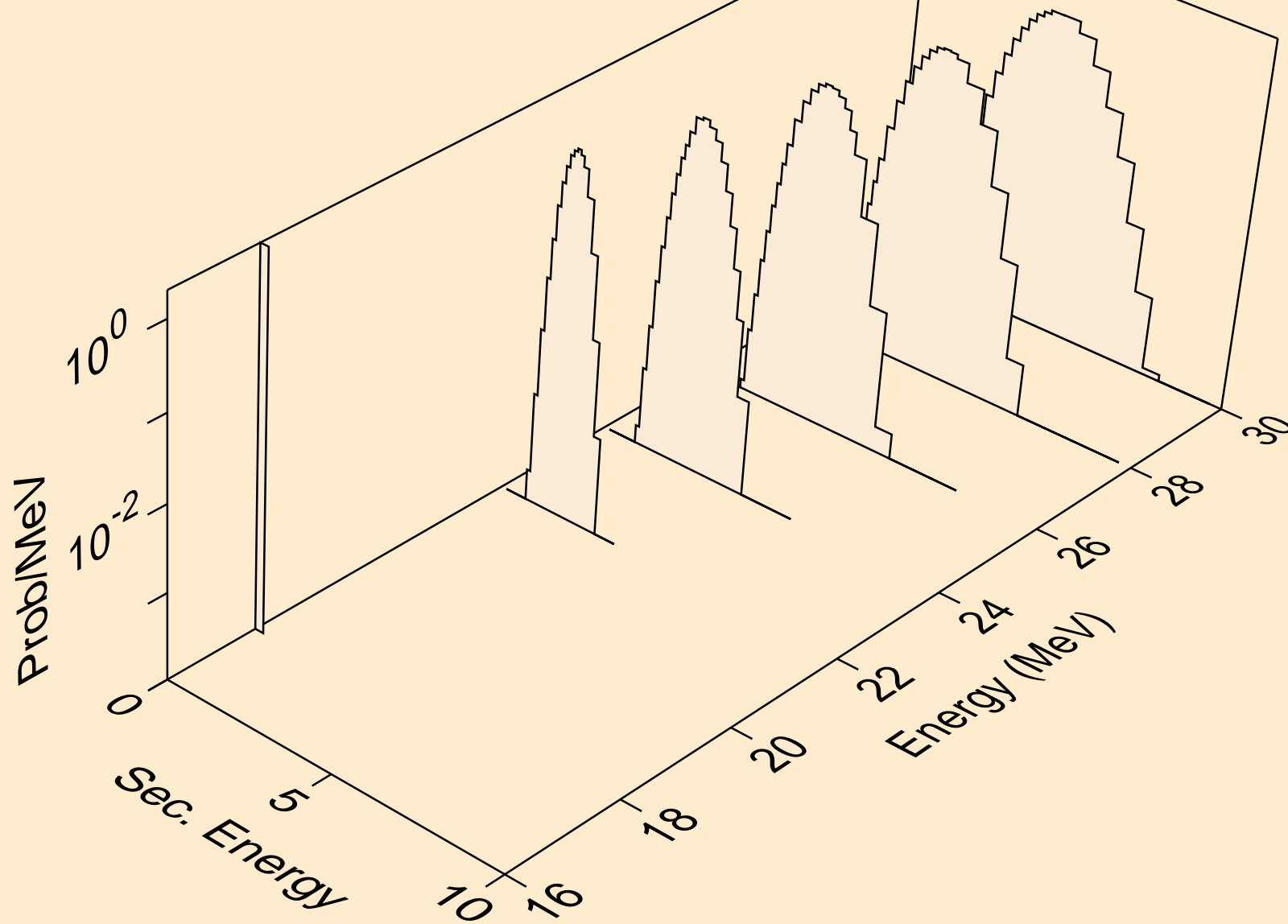
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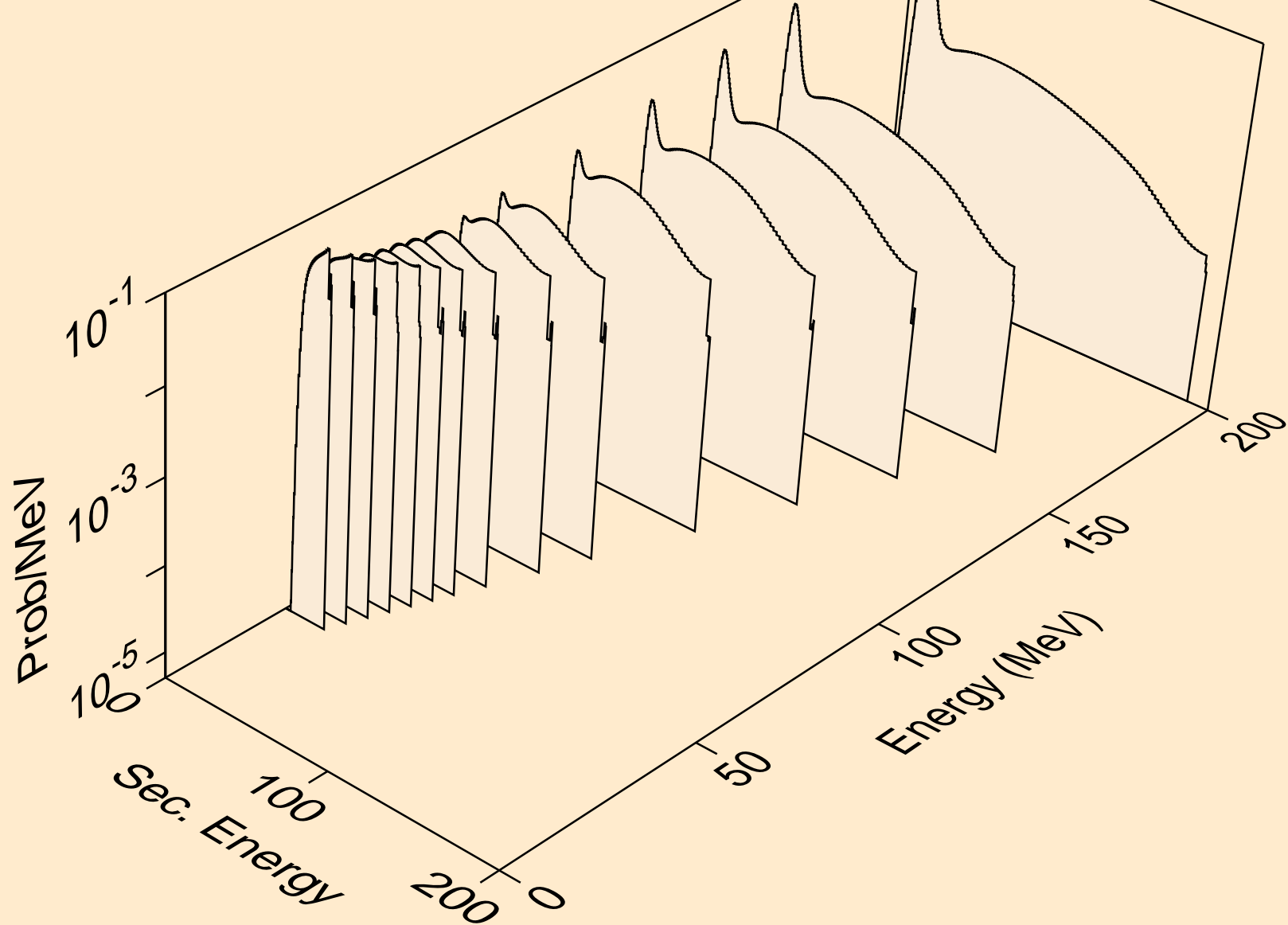
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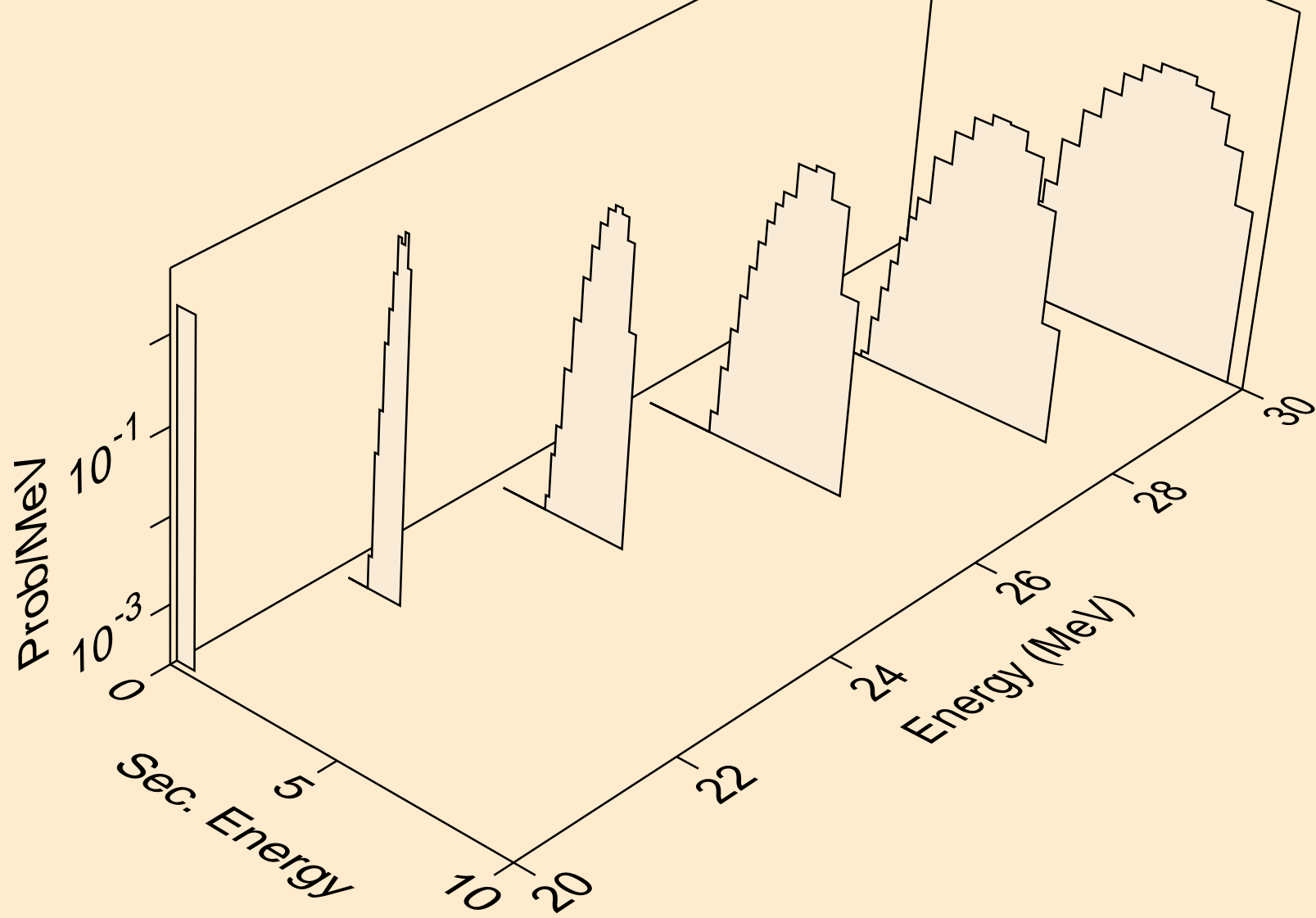
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protons from (n,pt)



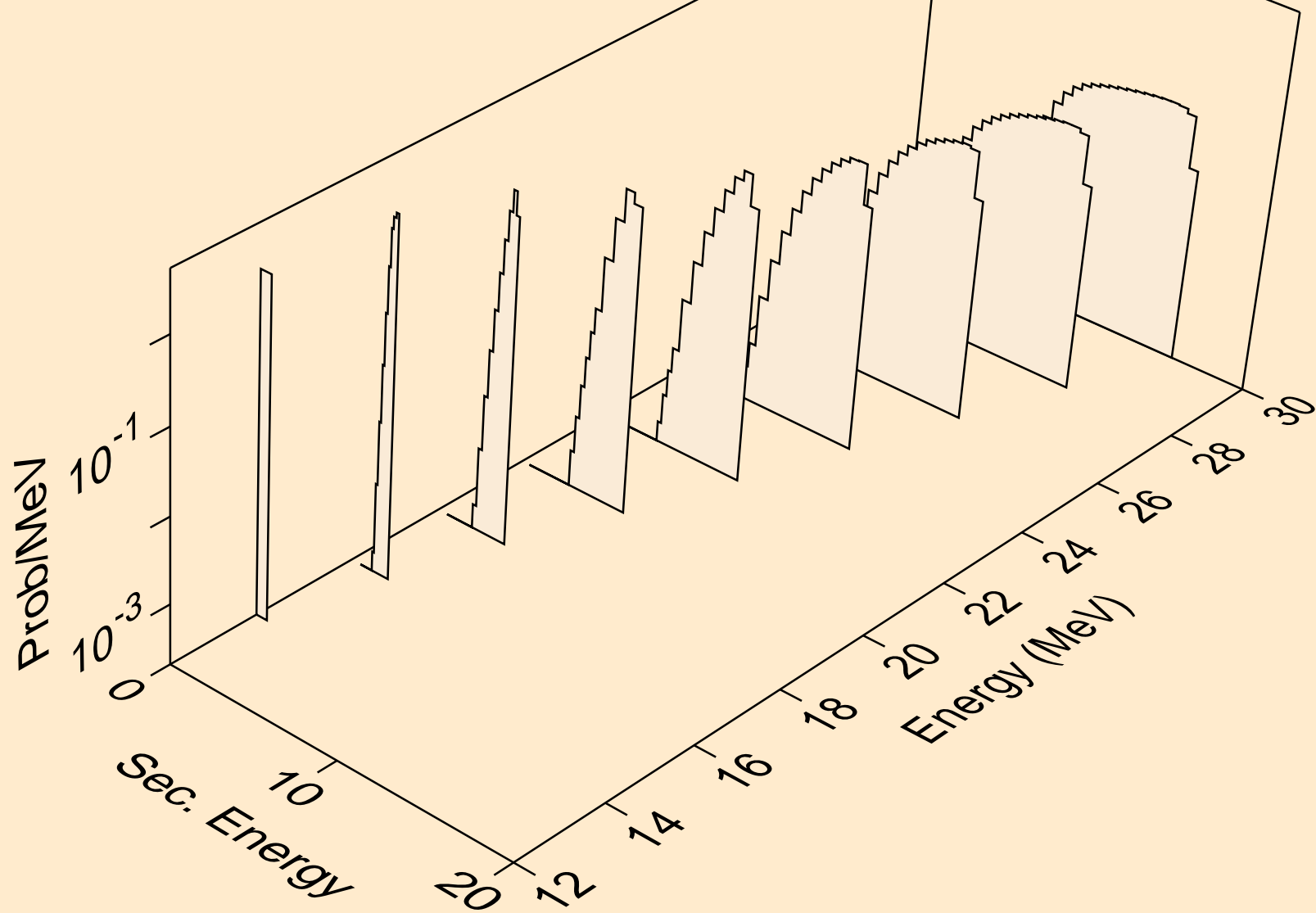
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deuterons from (n,x)



AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
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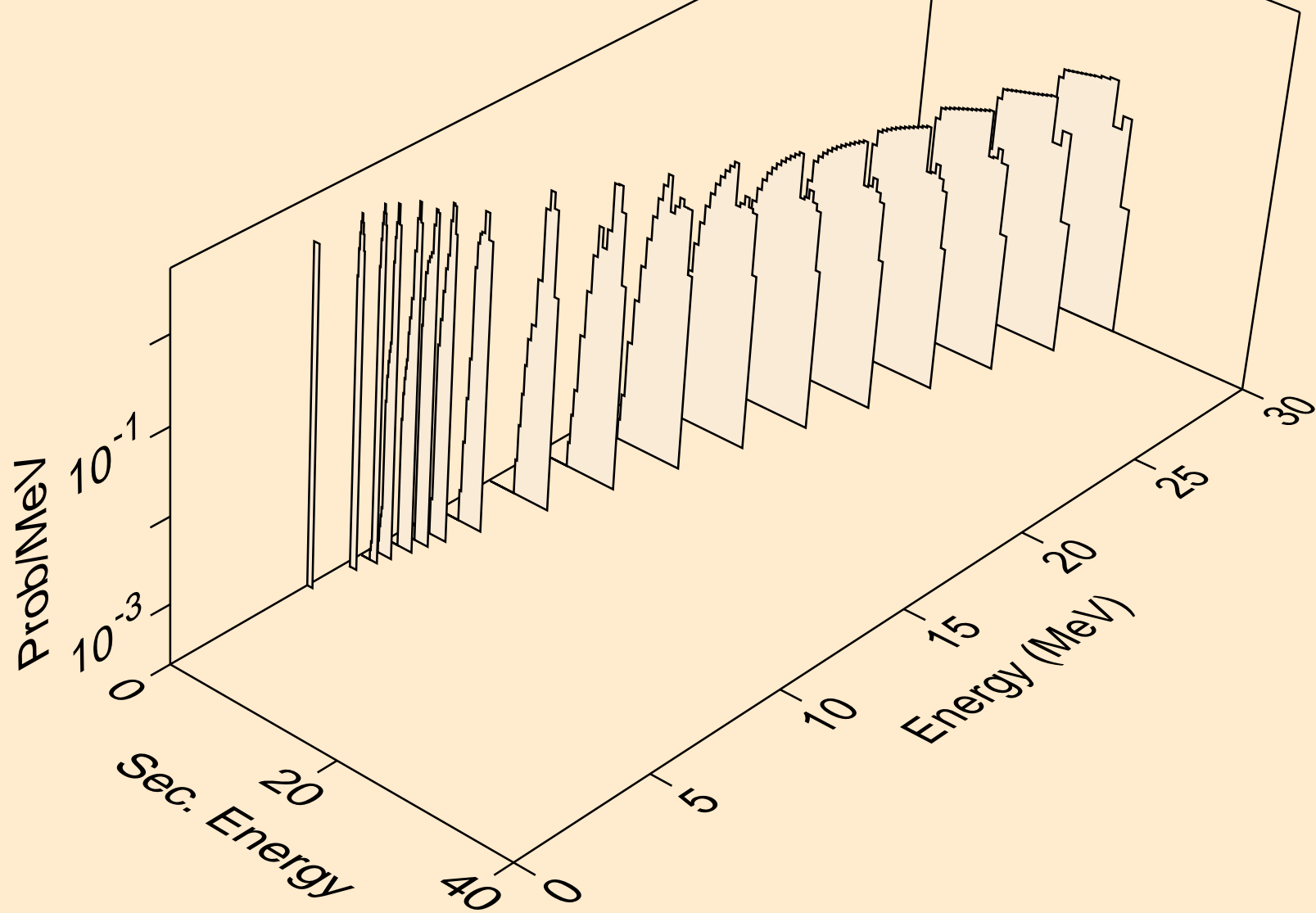


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deuterons from (n,n\*)d

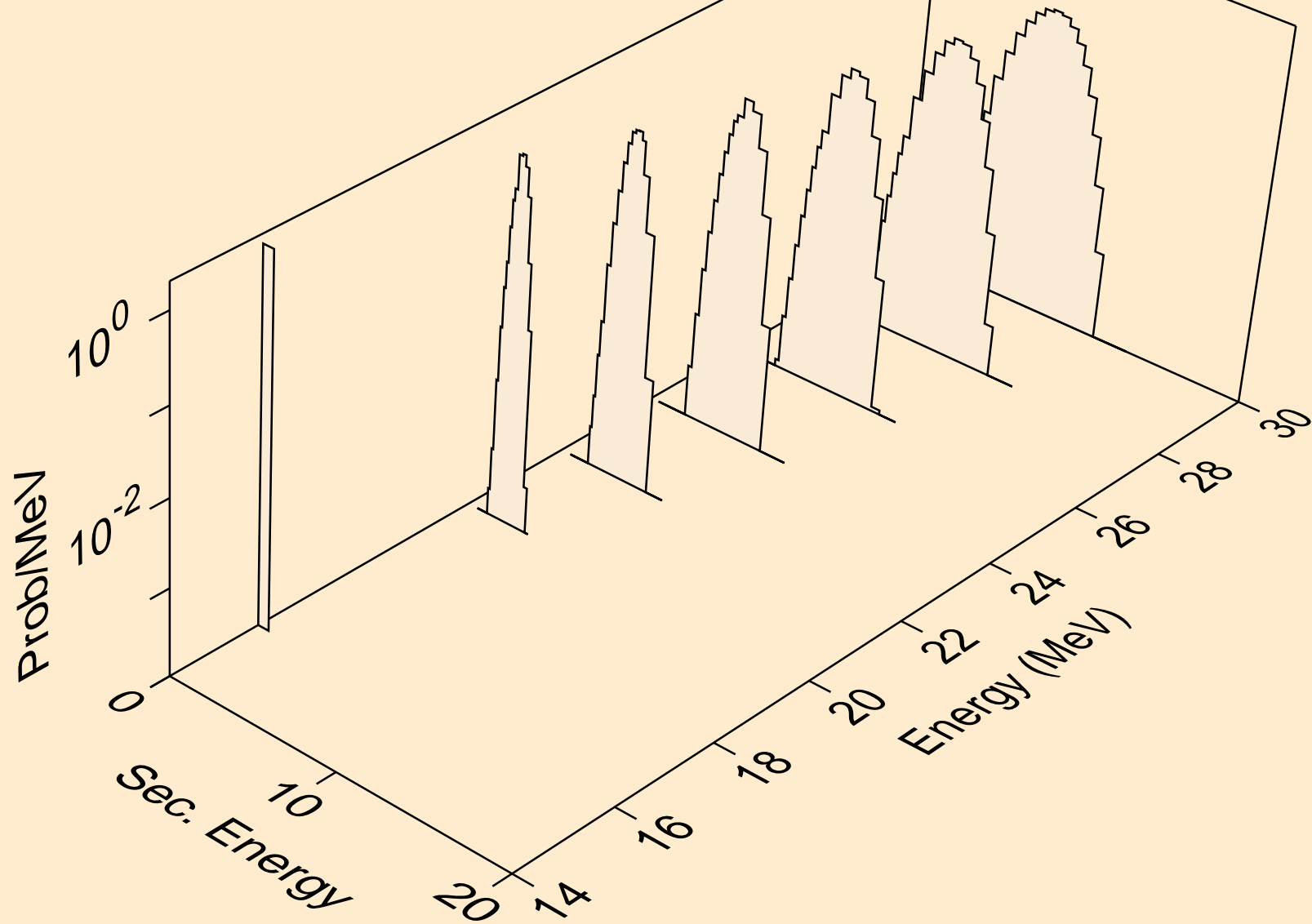




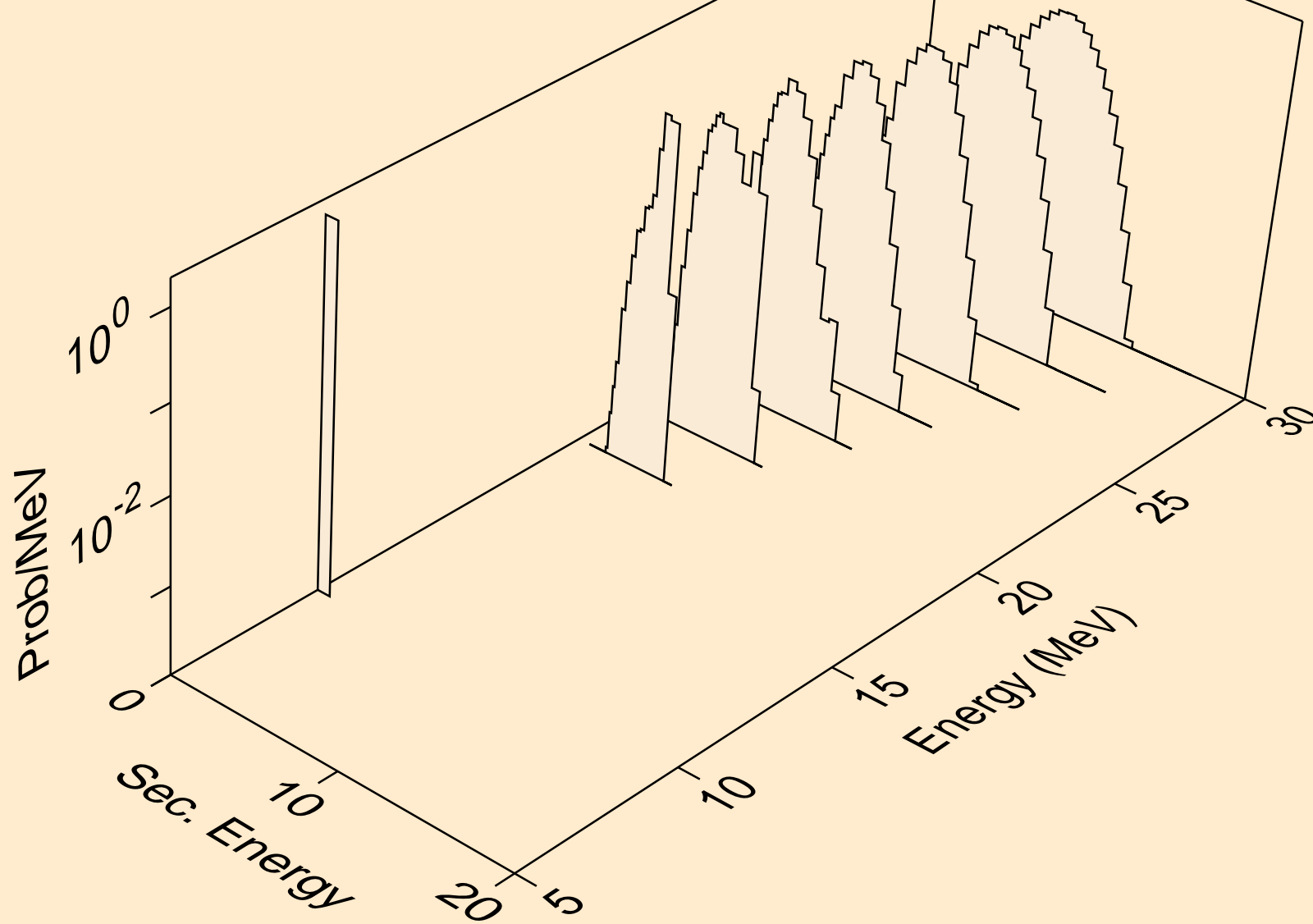
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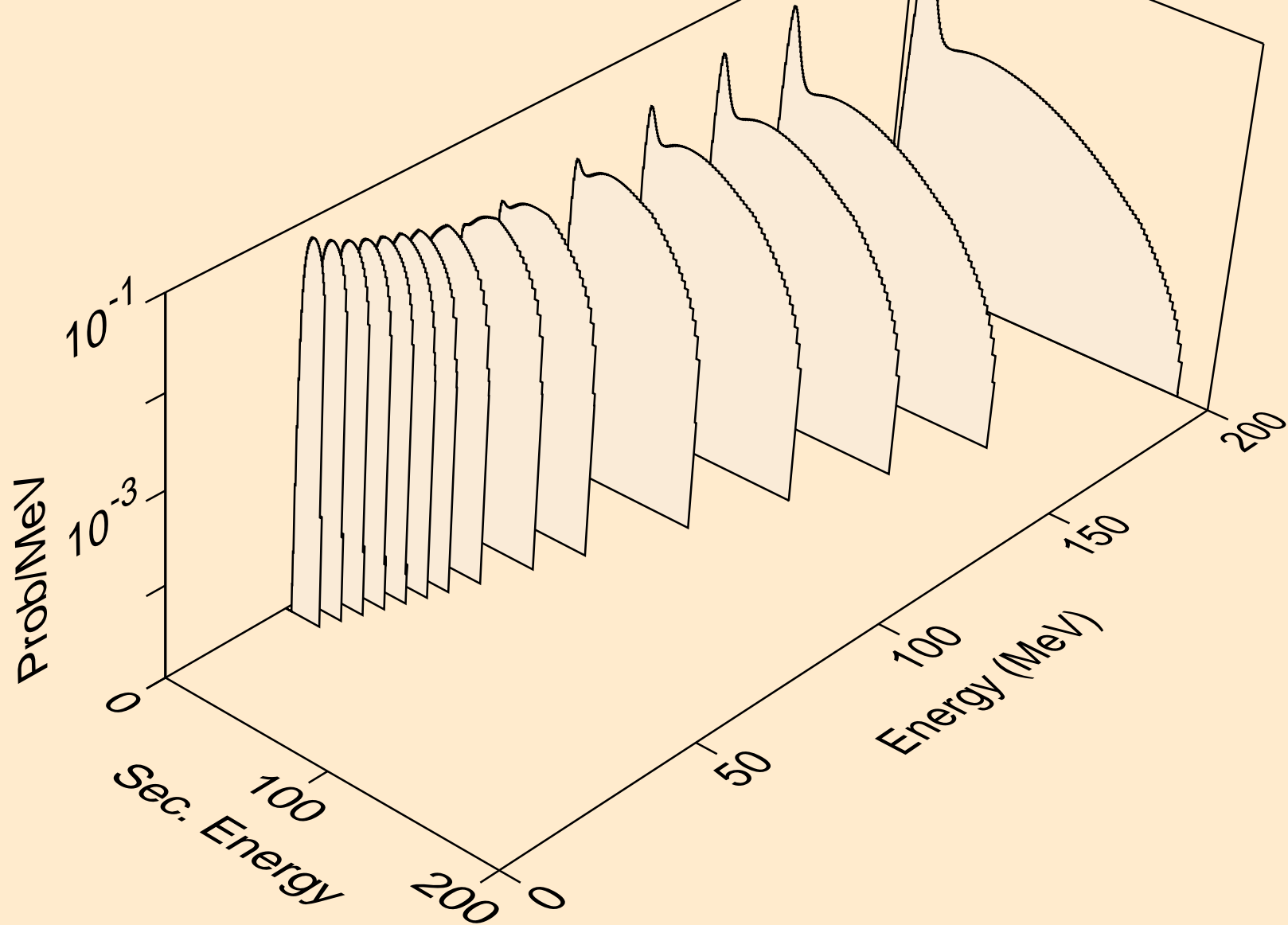
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deuterons from (n,pd)



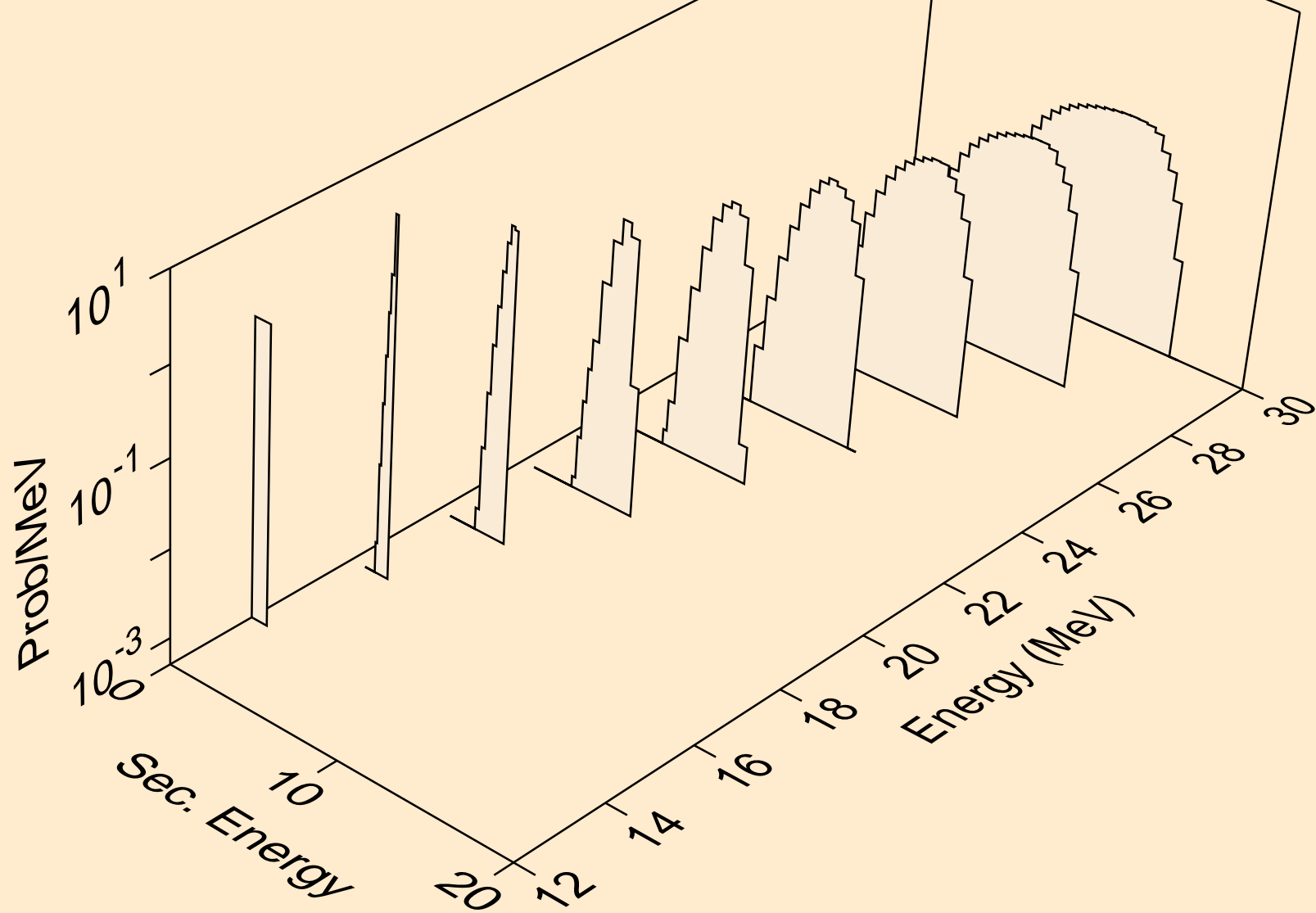
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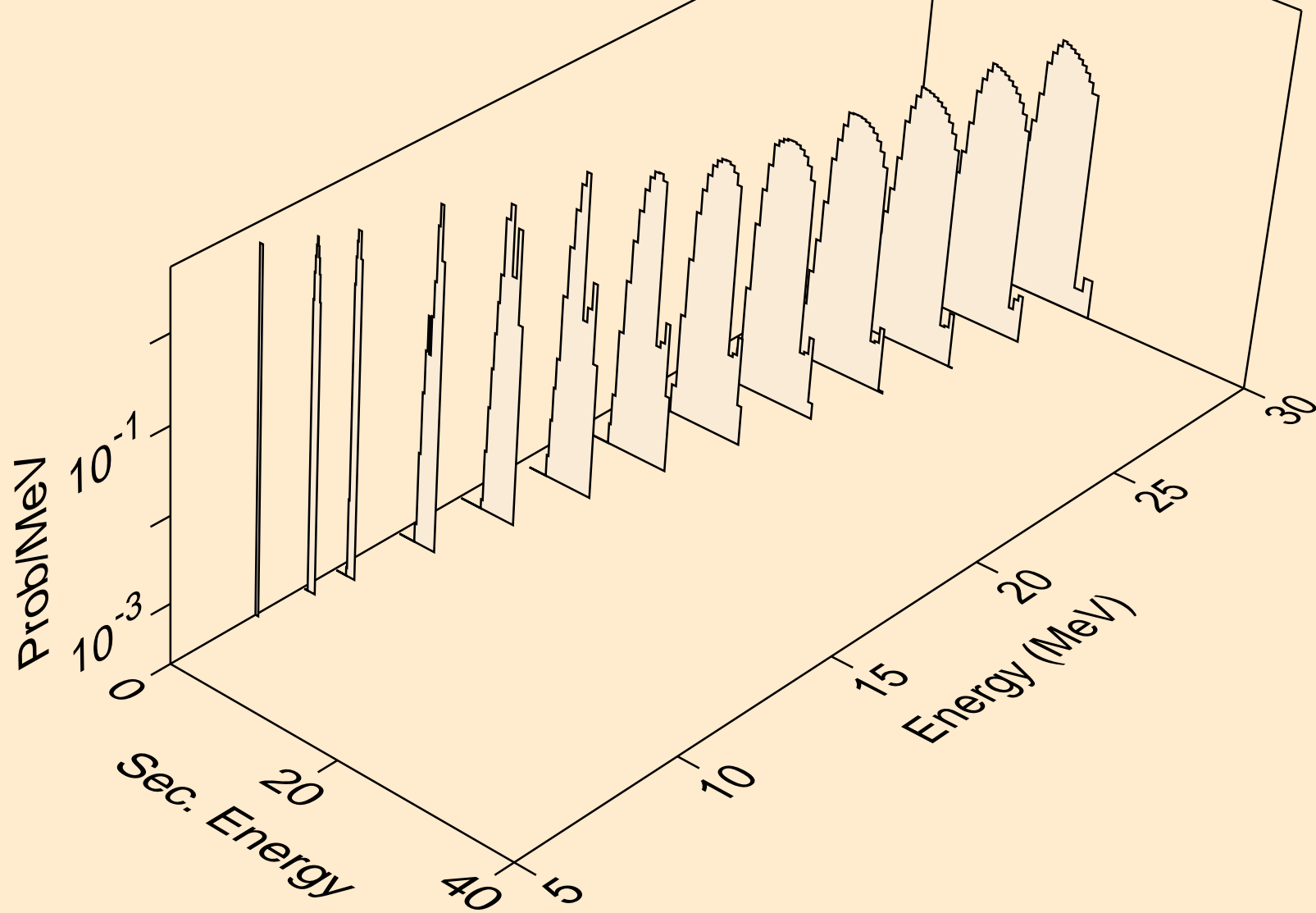
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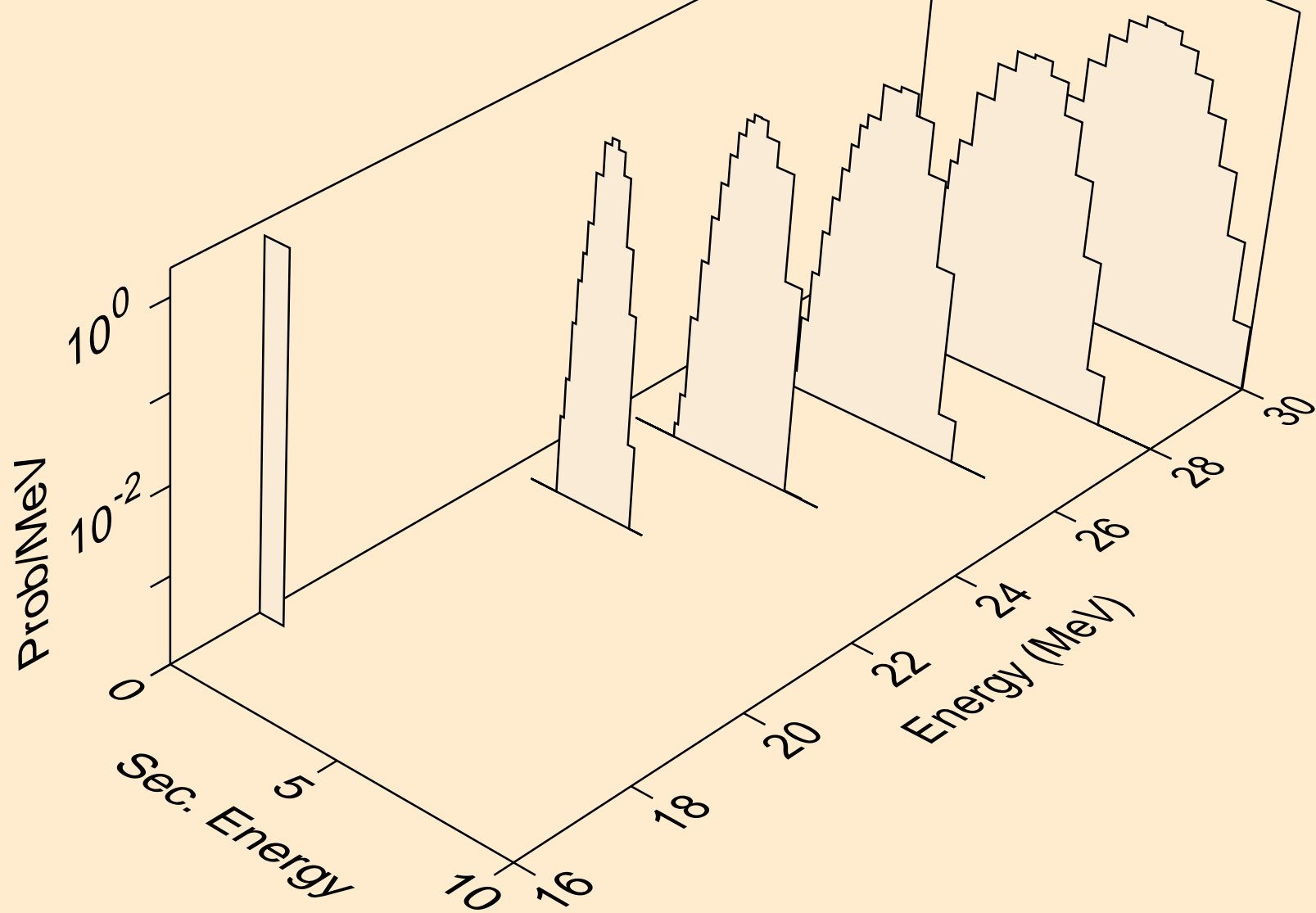
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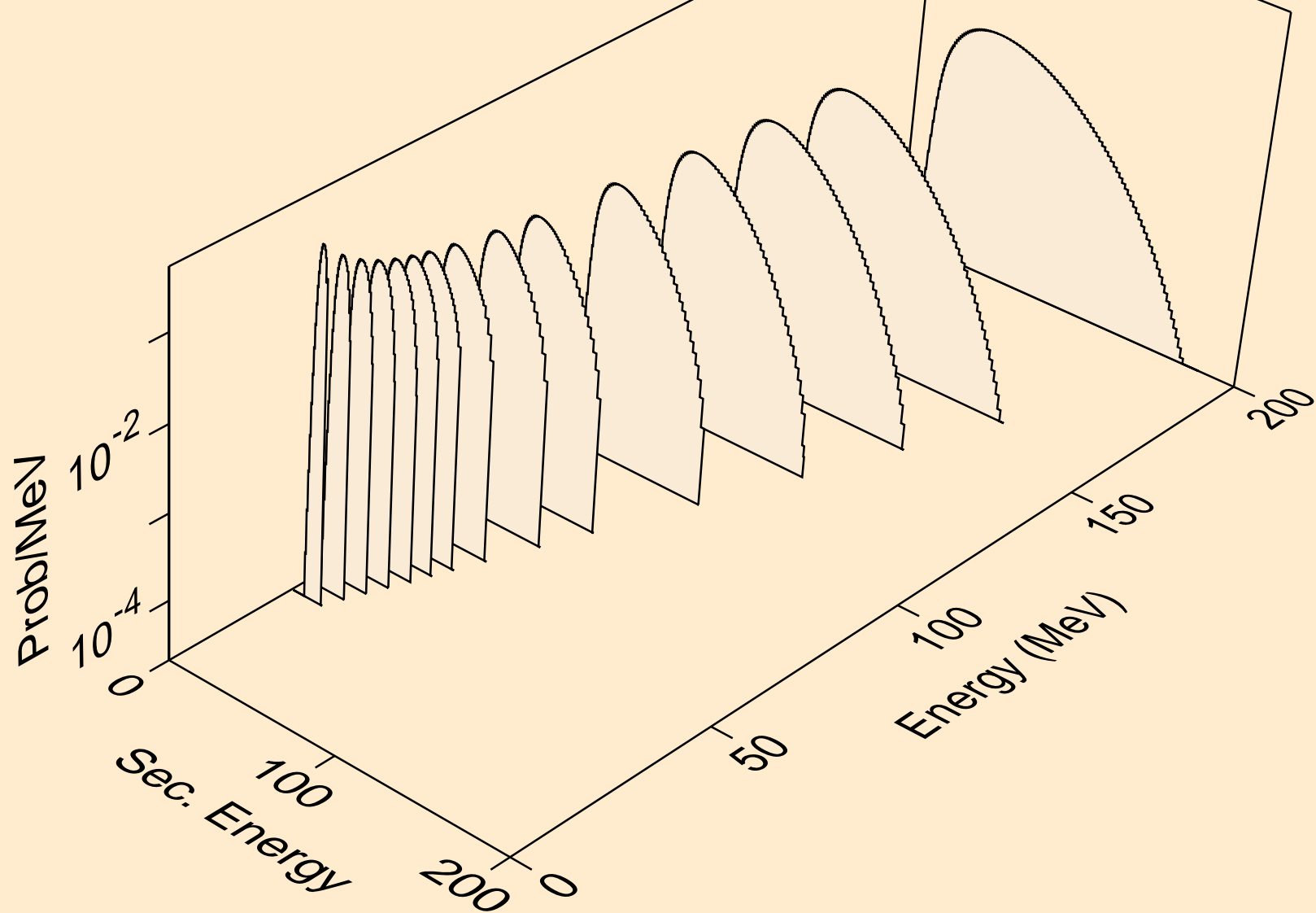
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,t)



AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,pt)

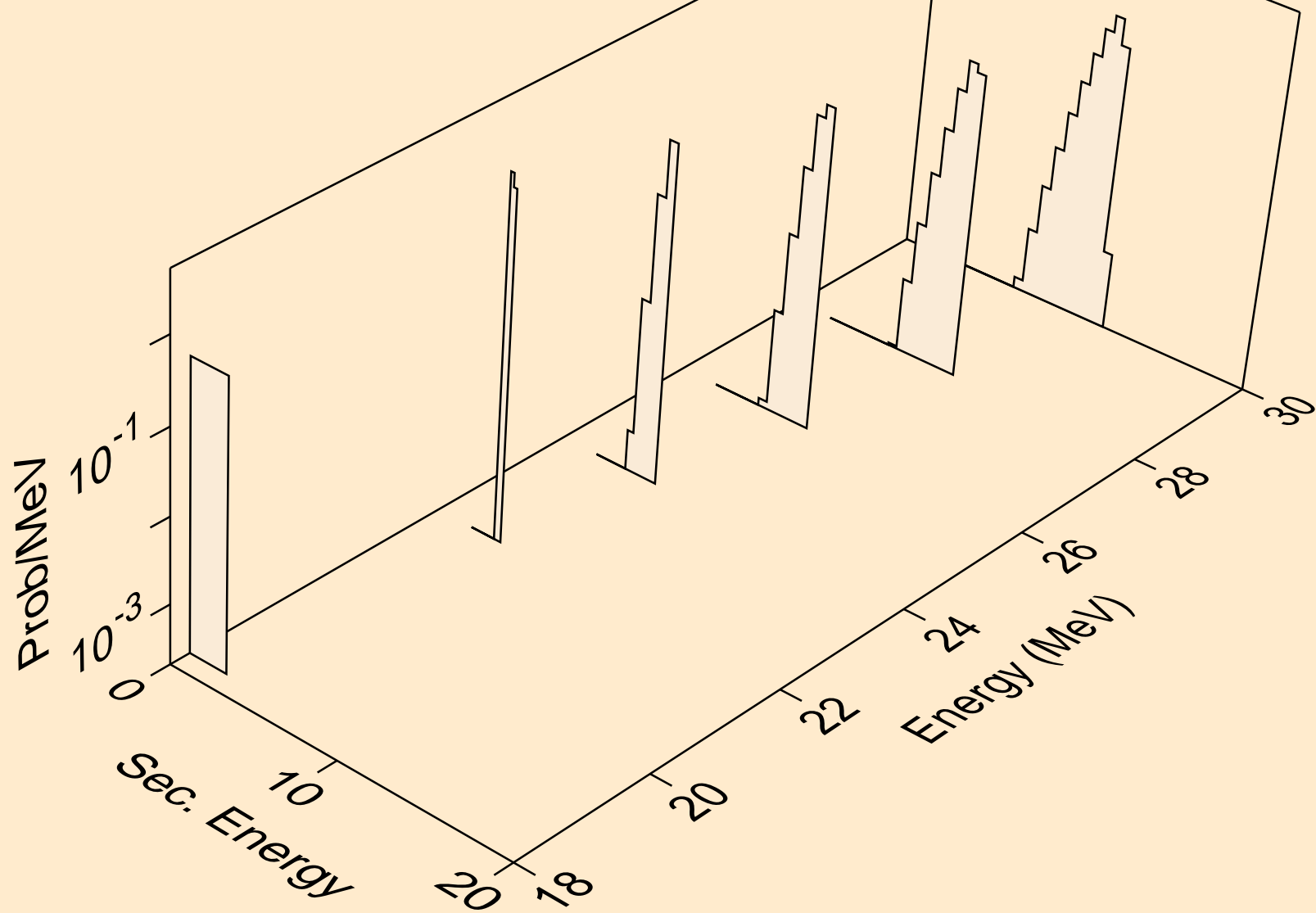


AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)

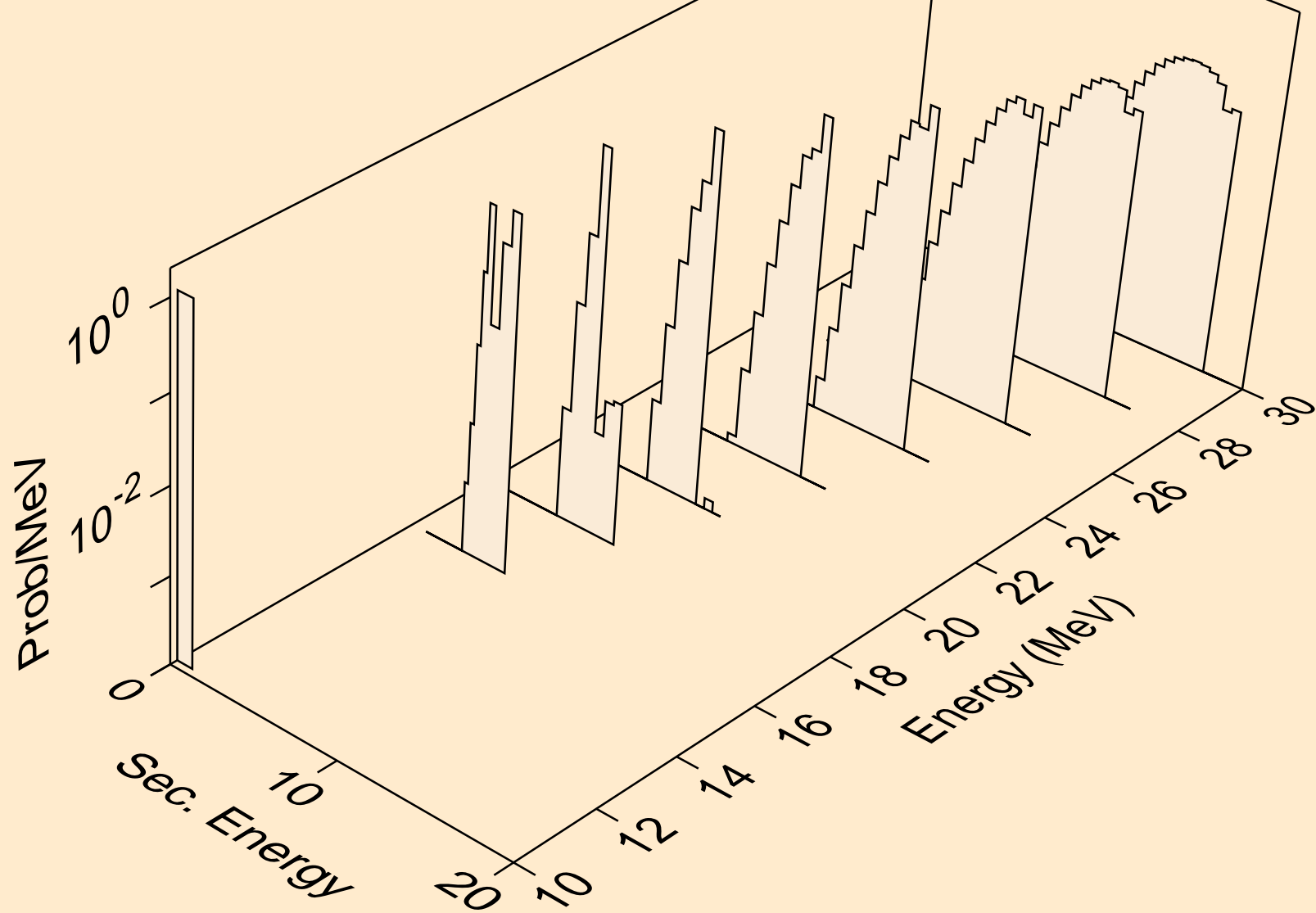




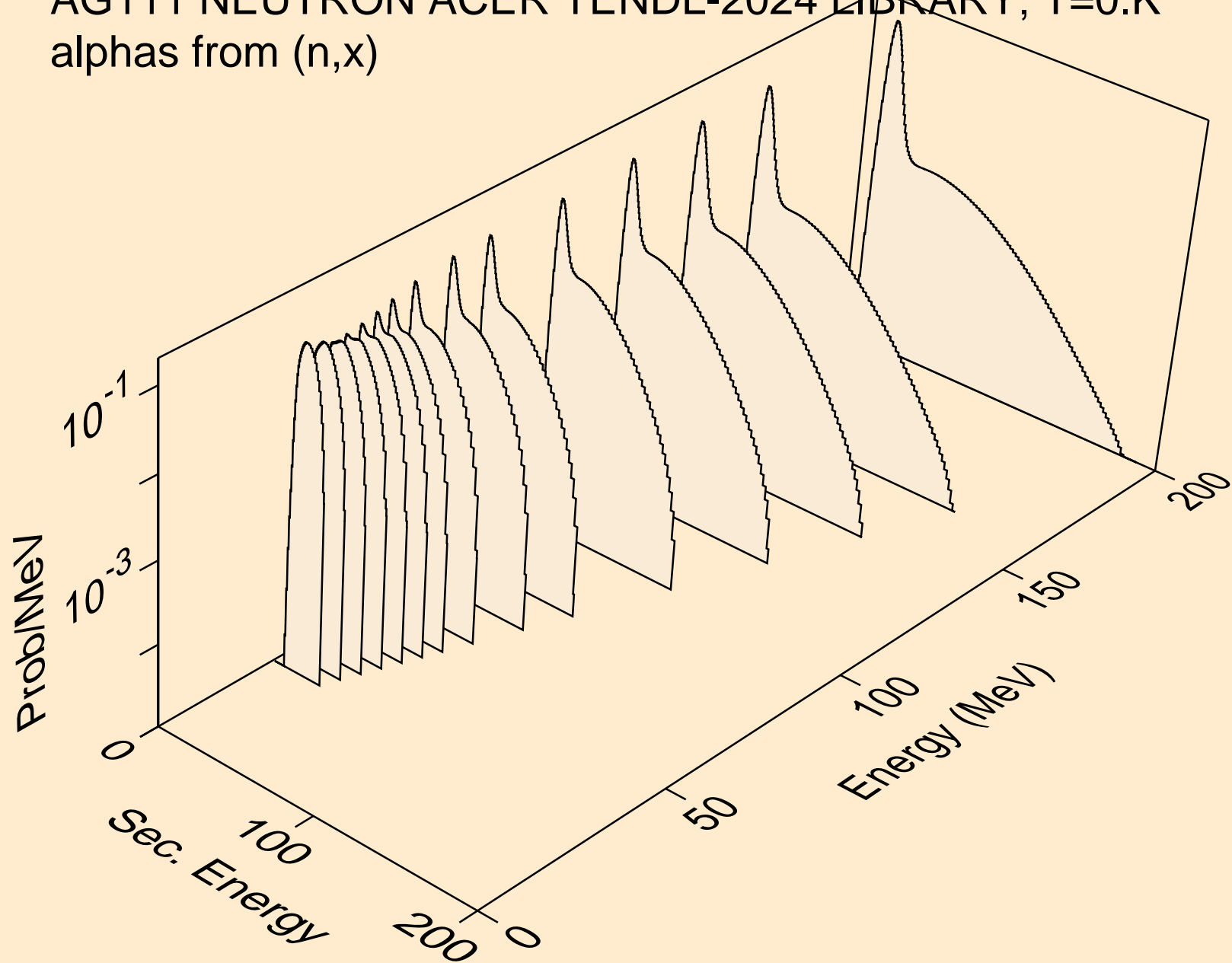
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3



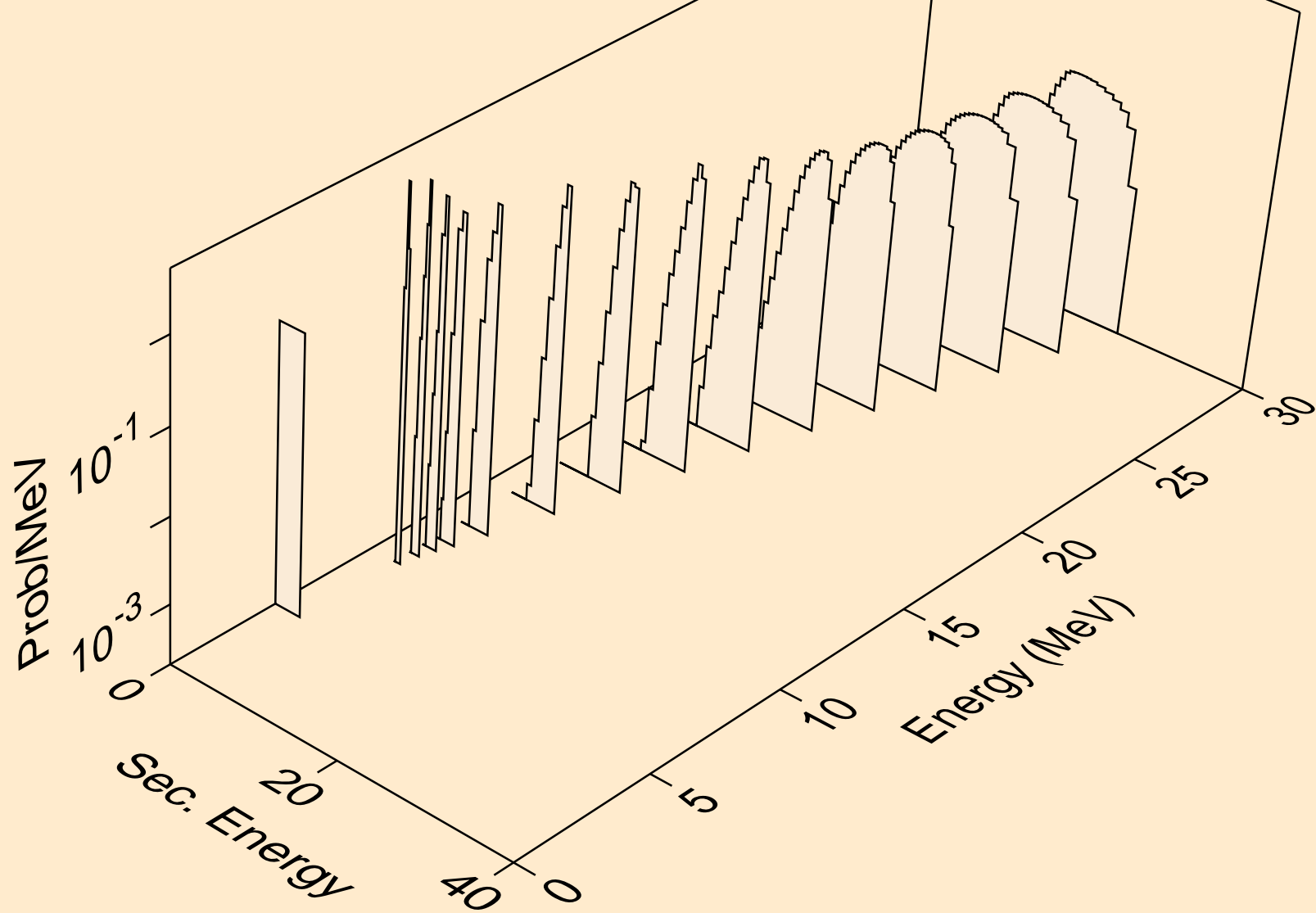
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)



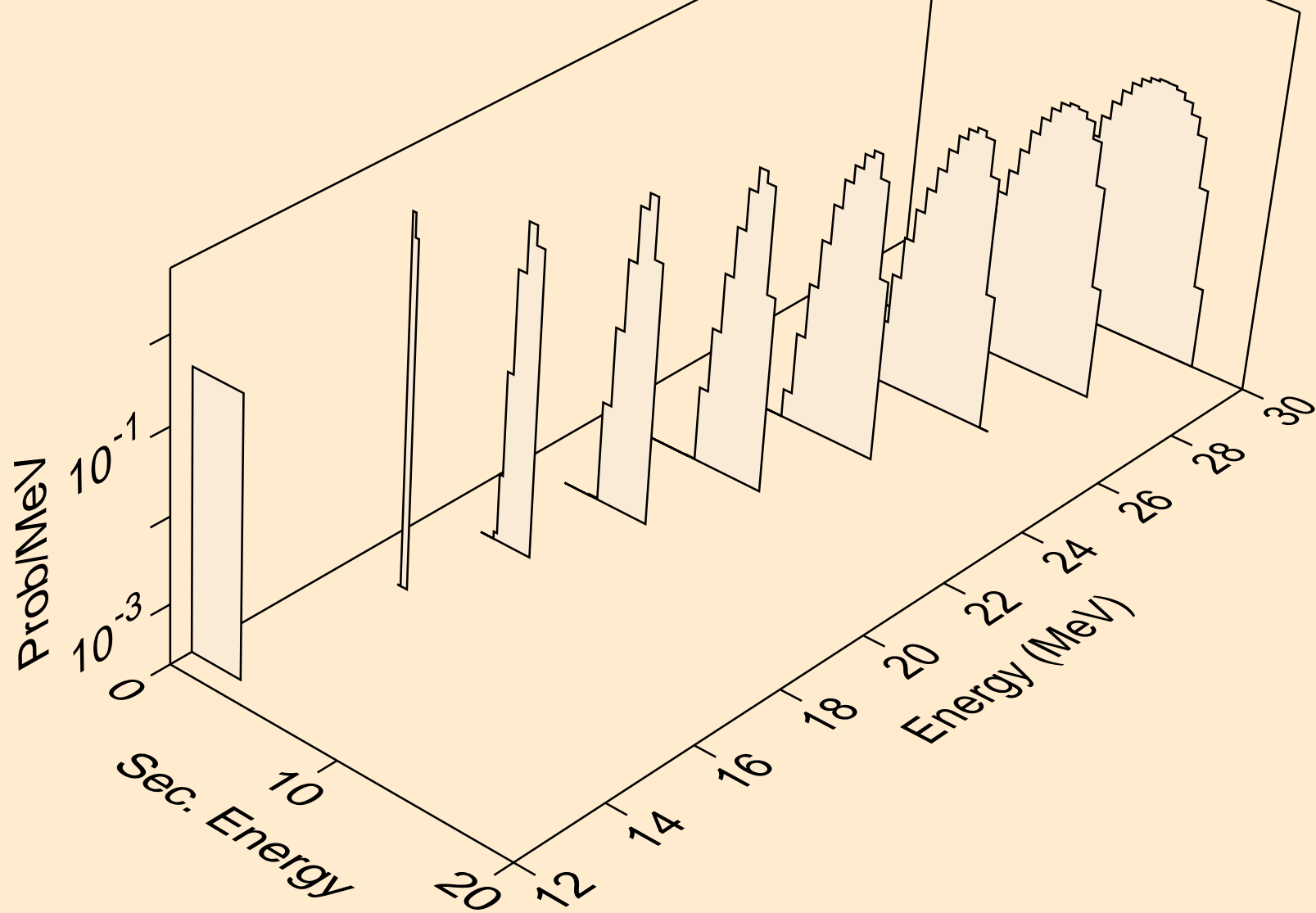
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



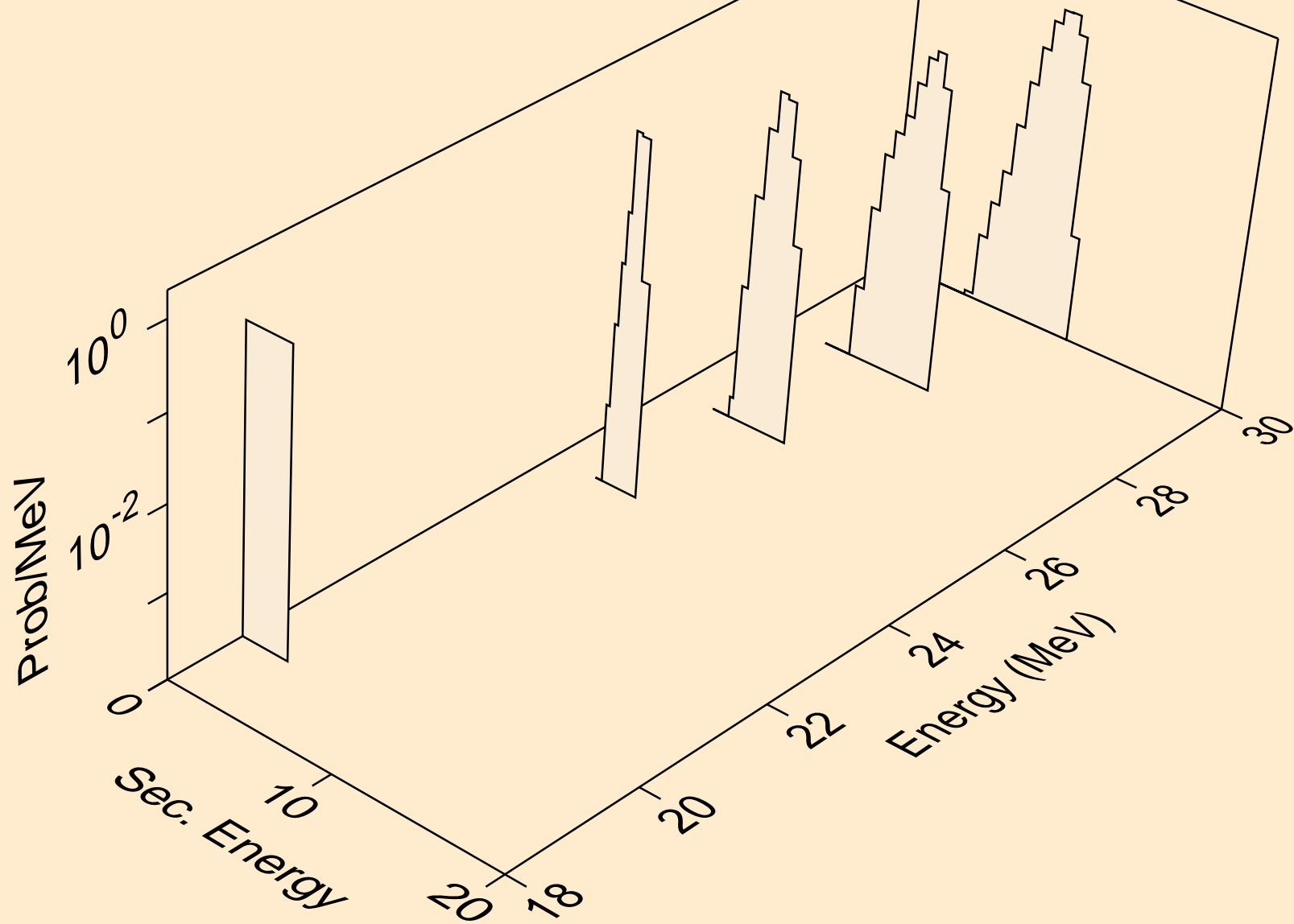
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



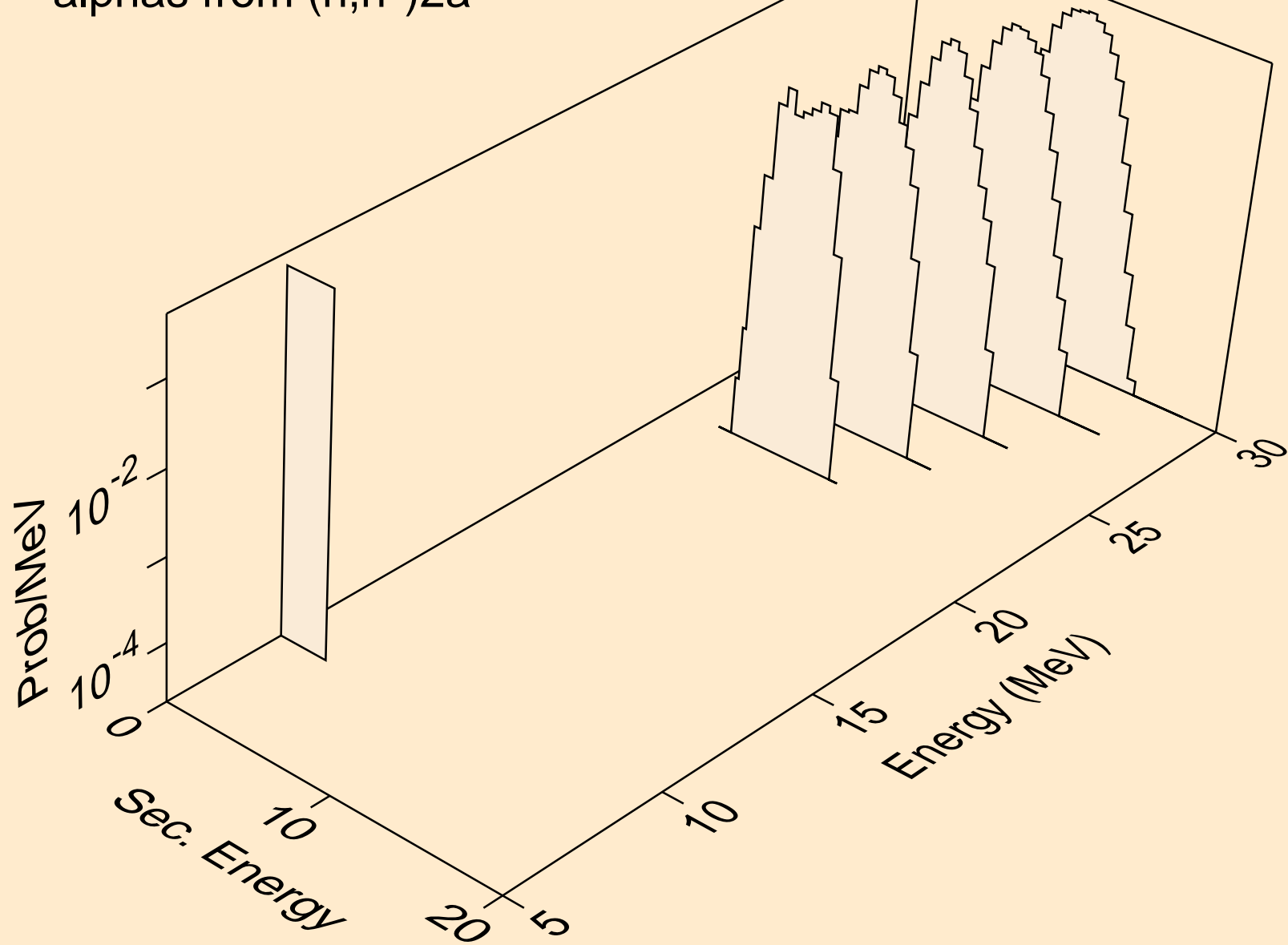
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



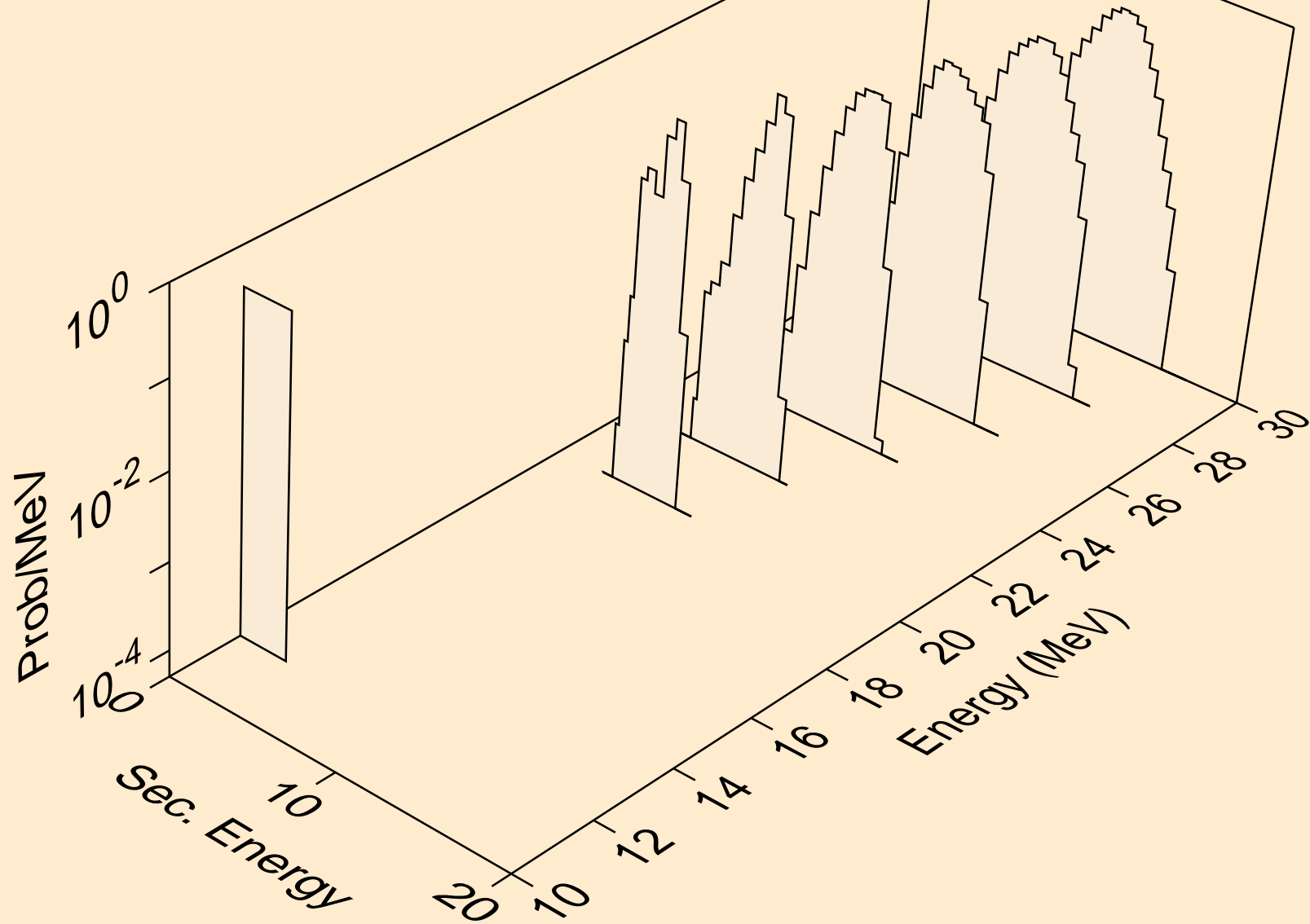
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a



AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)2a

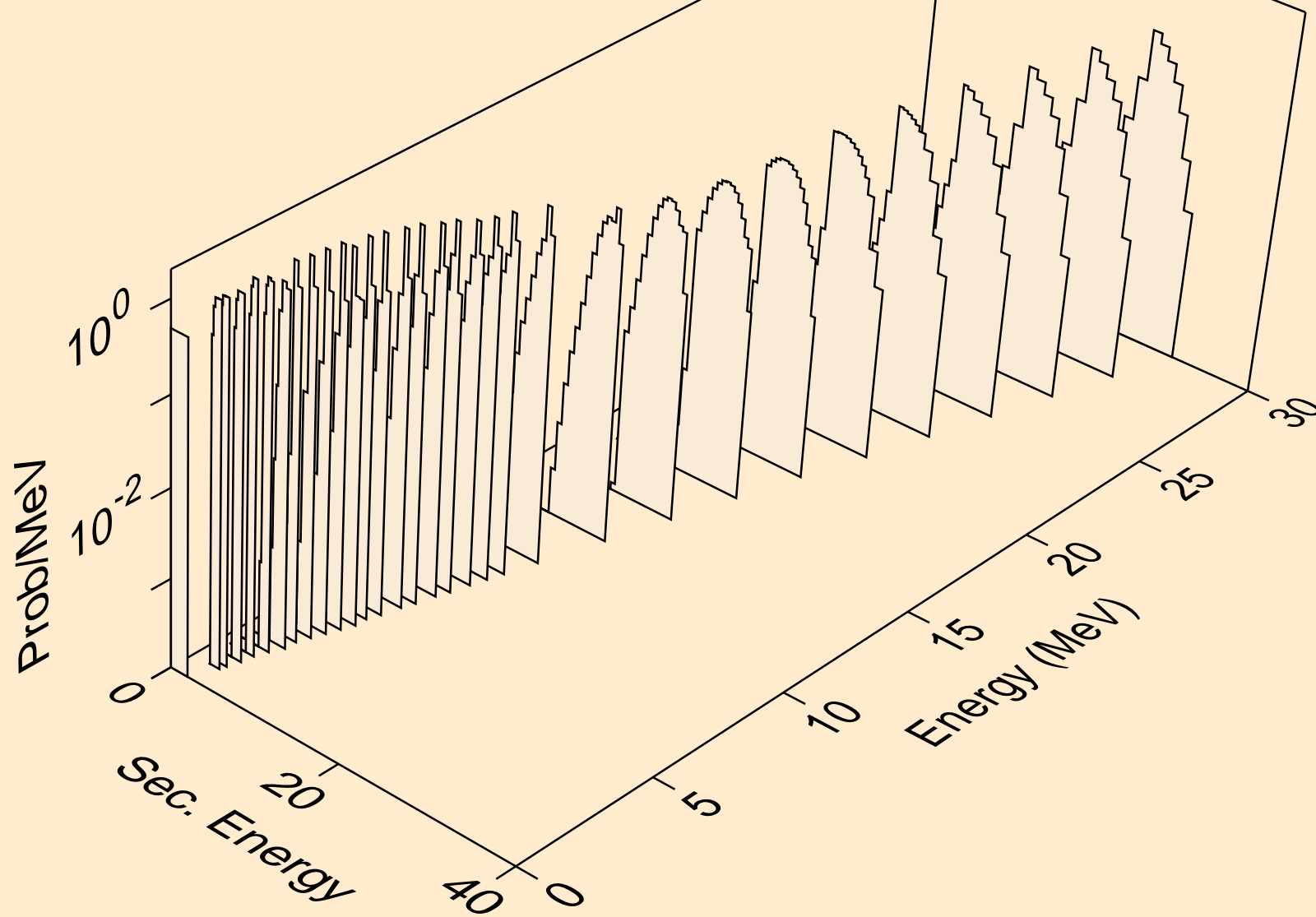


AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)

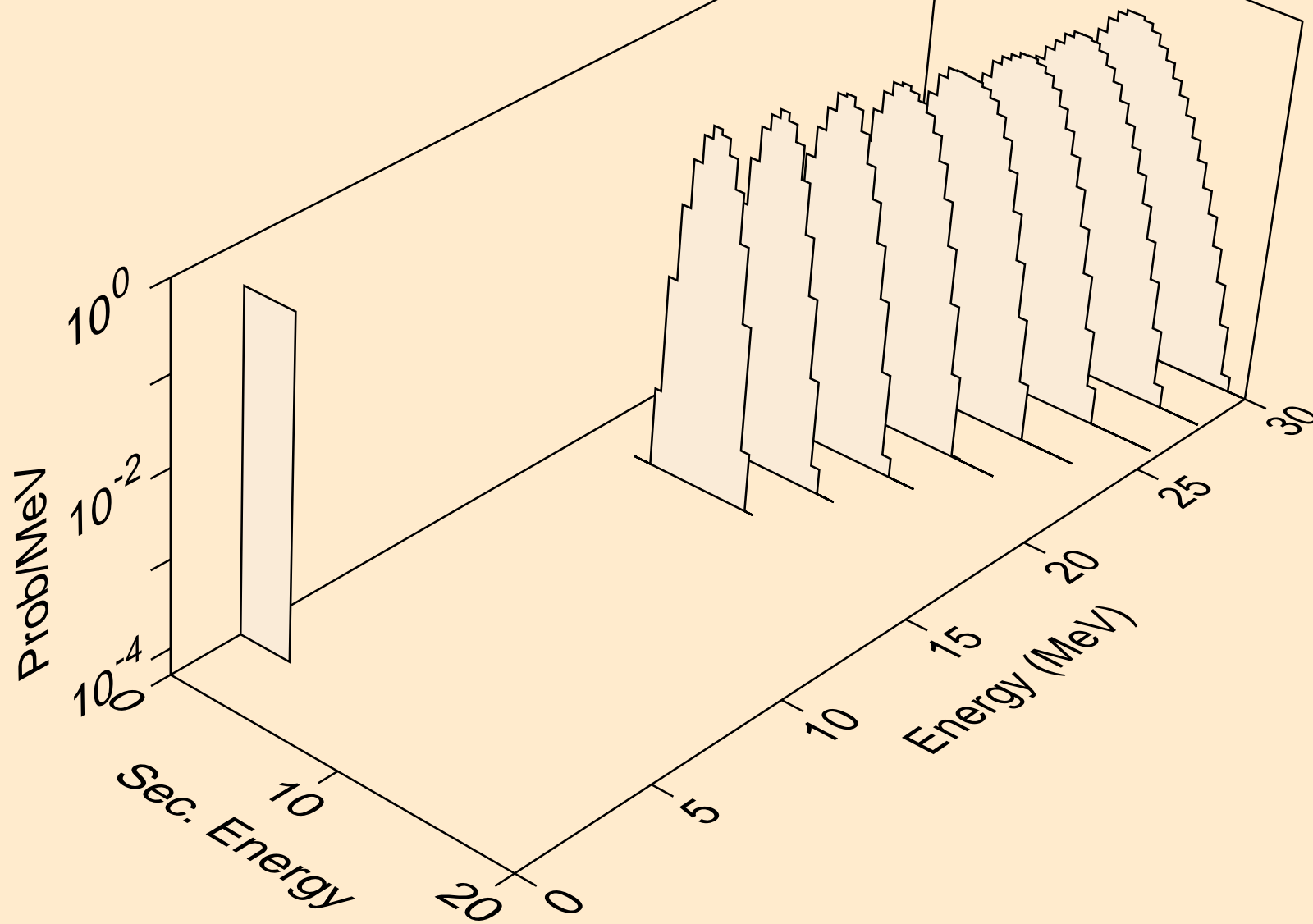




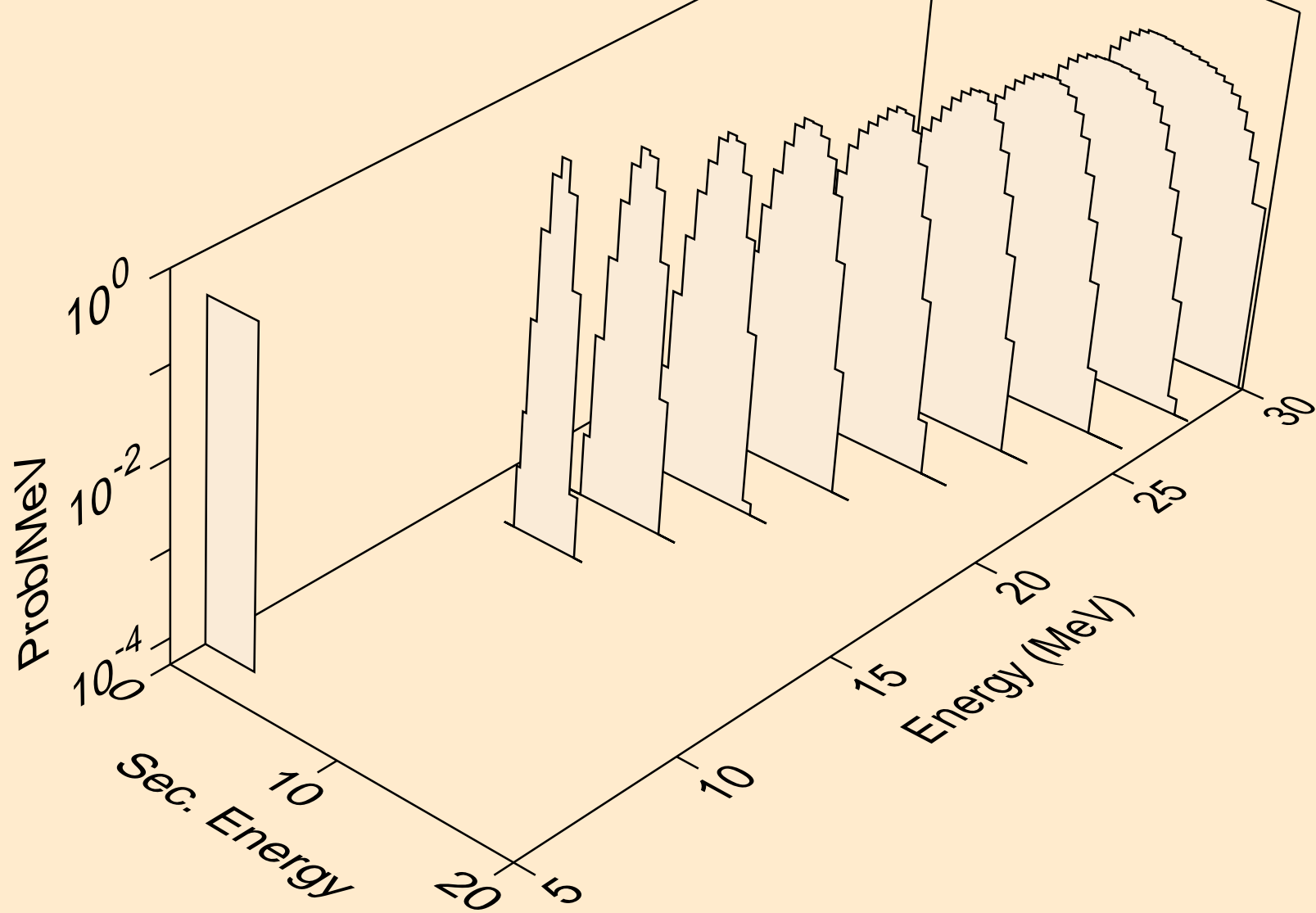
AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



AG111 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

