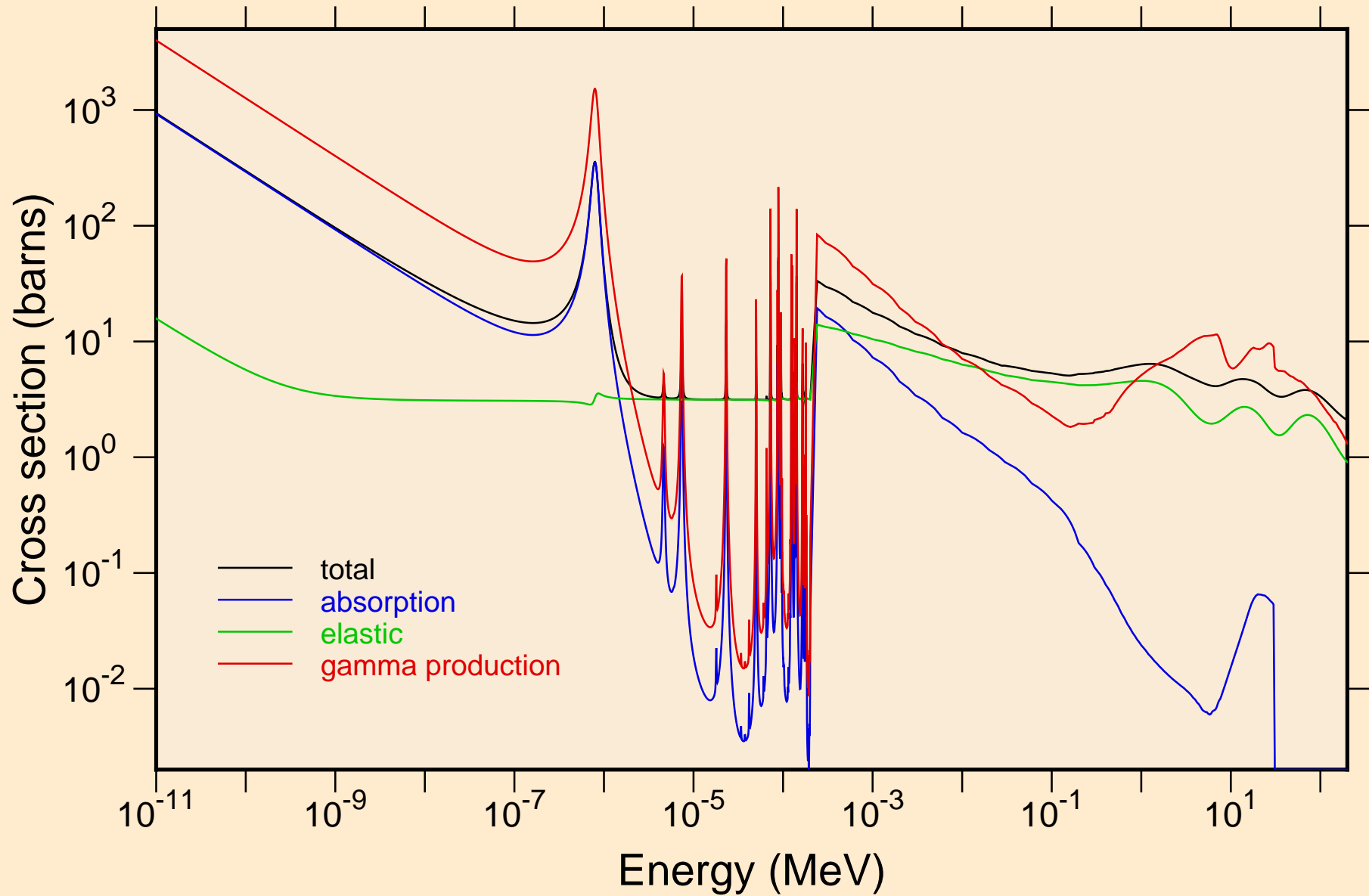
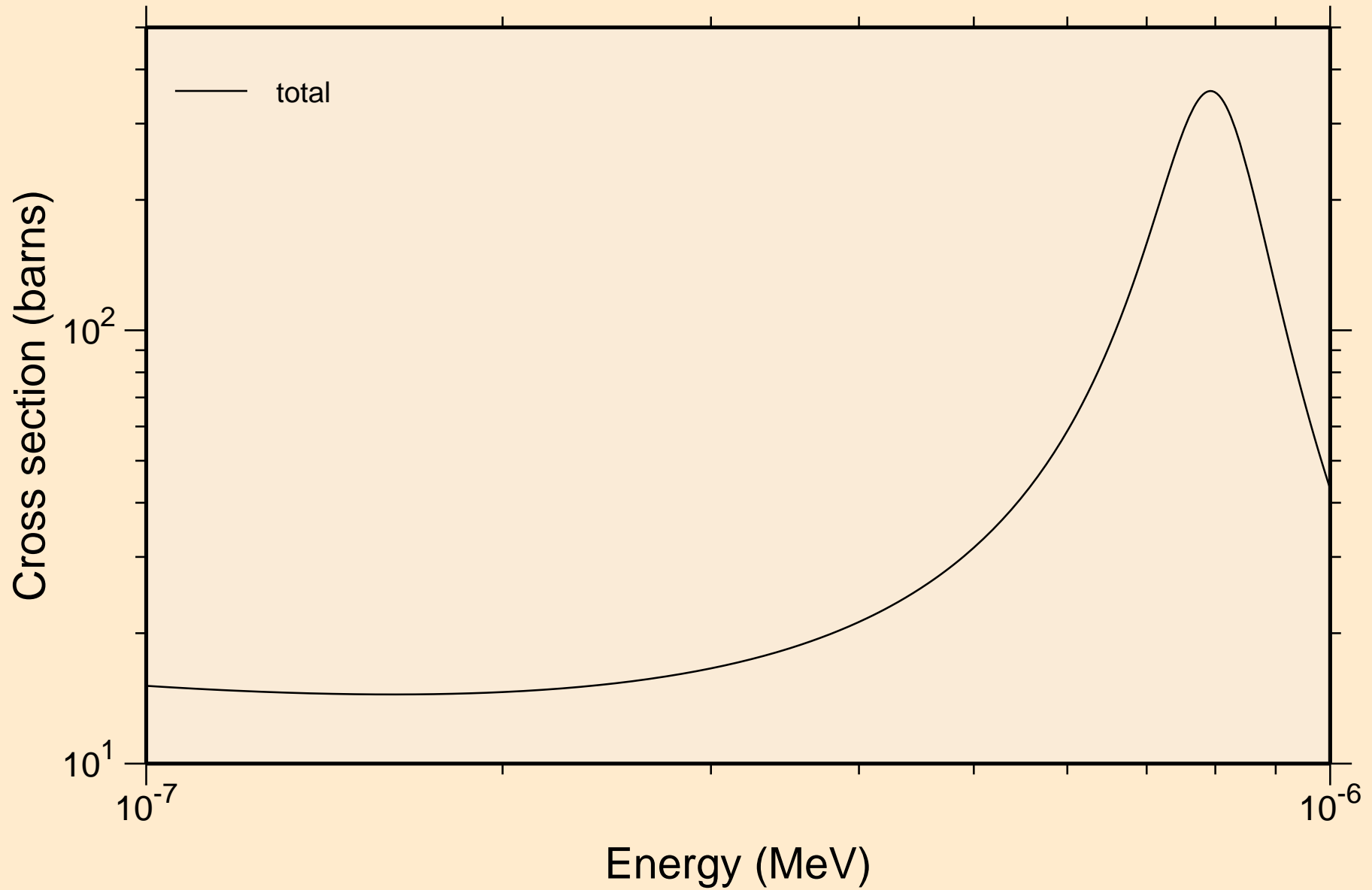


# I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

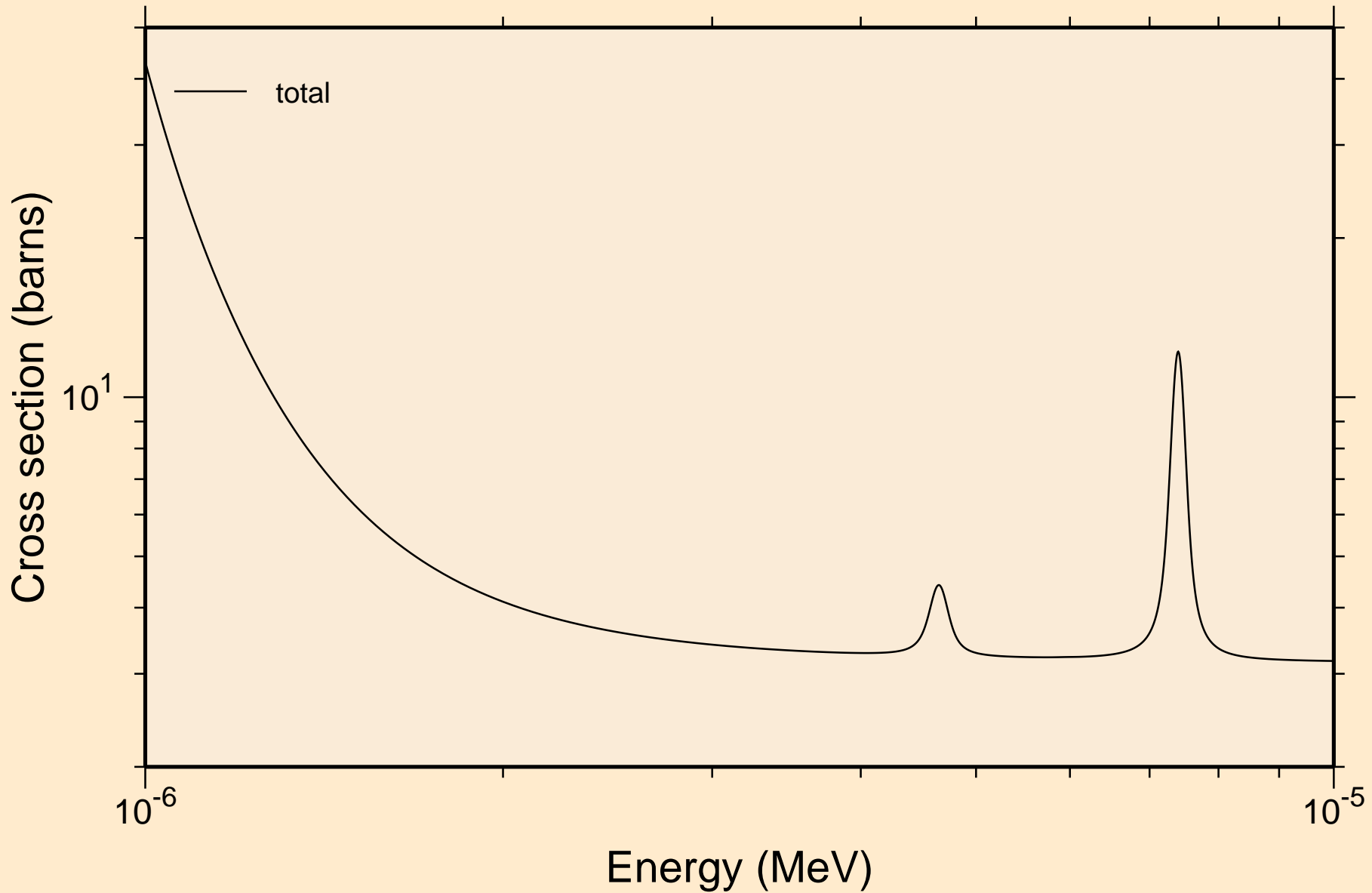
## Principal cross sections



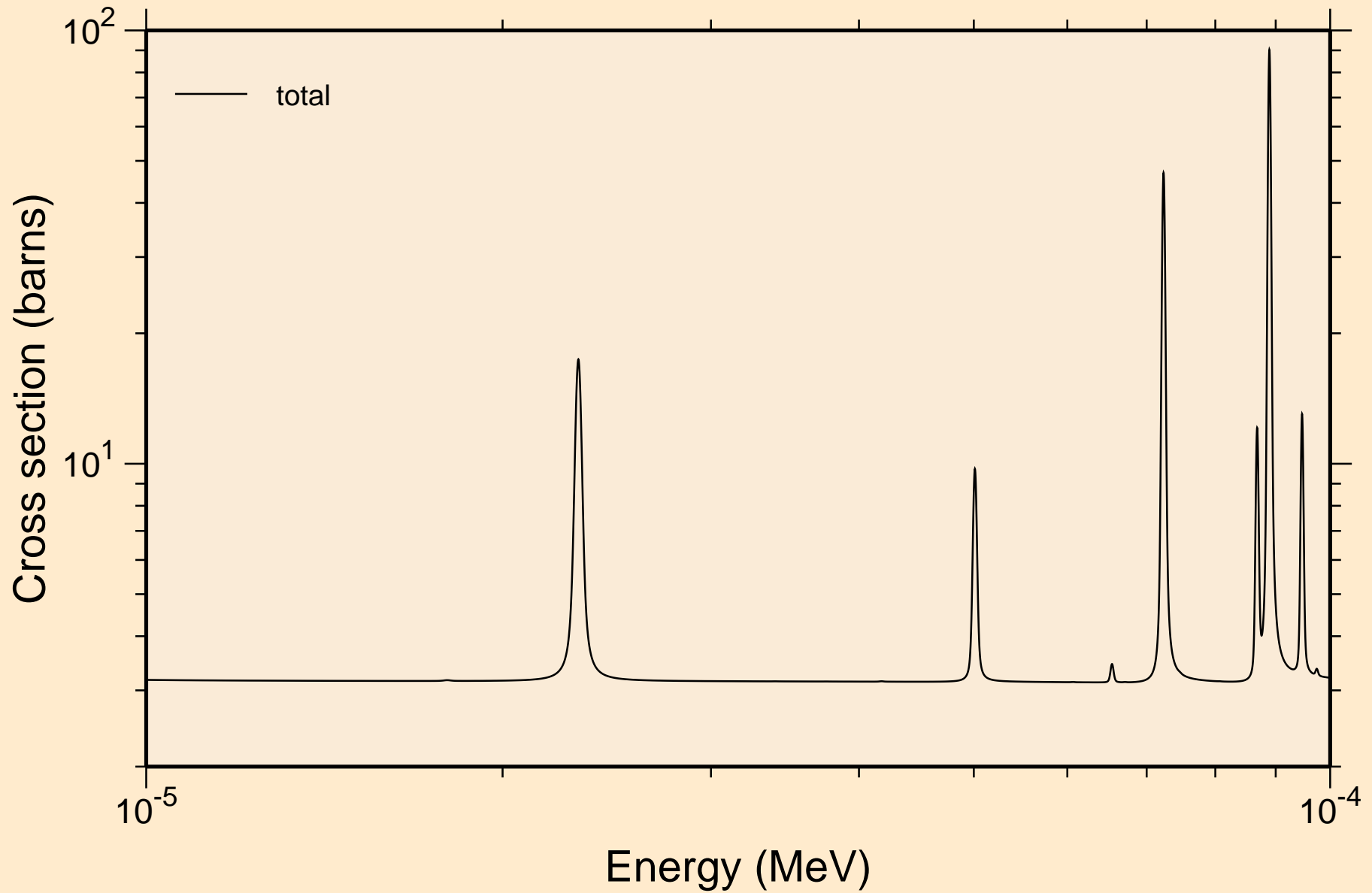
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



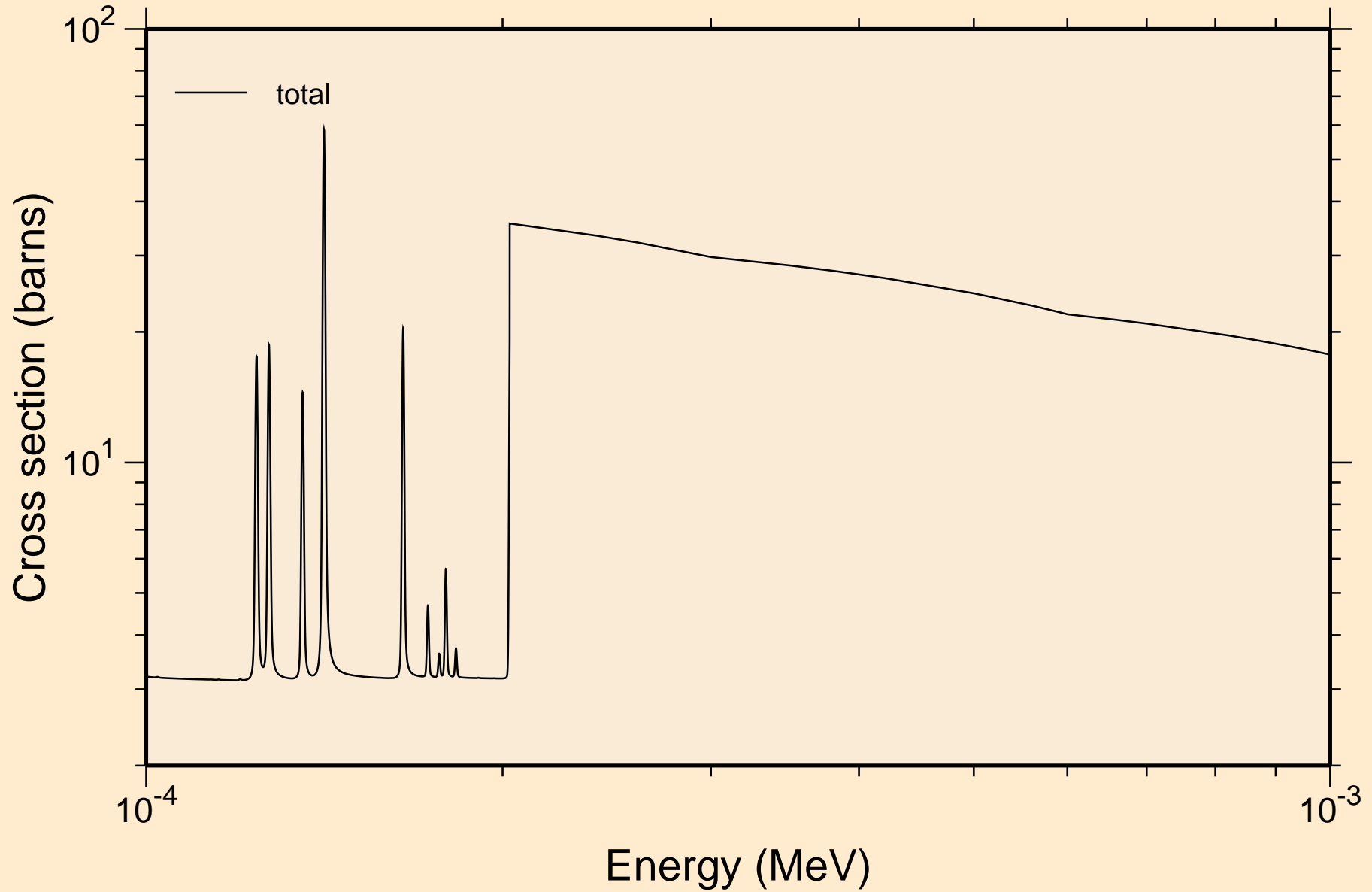
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



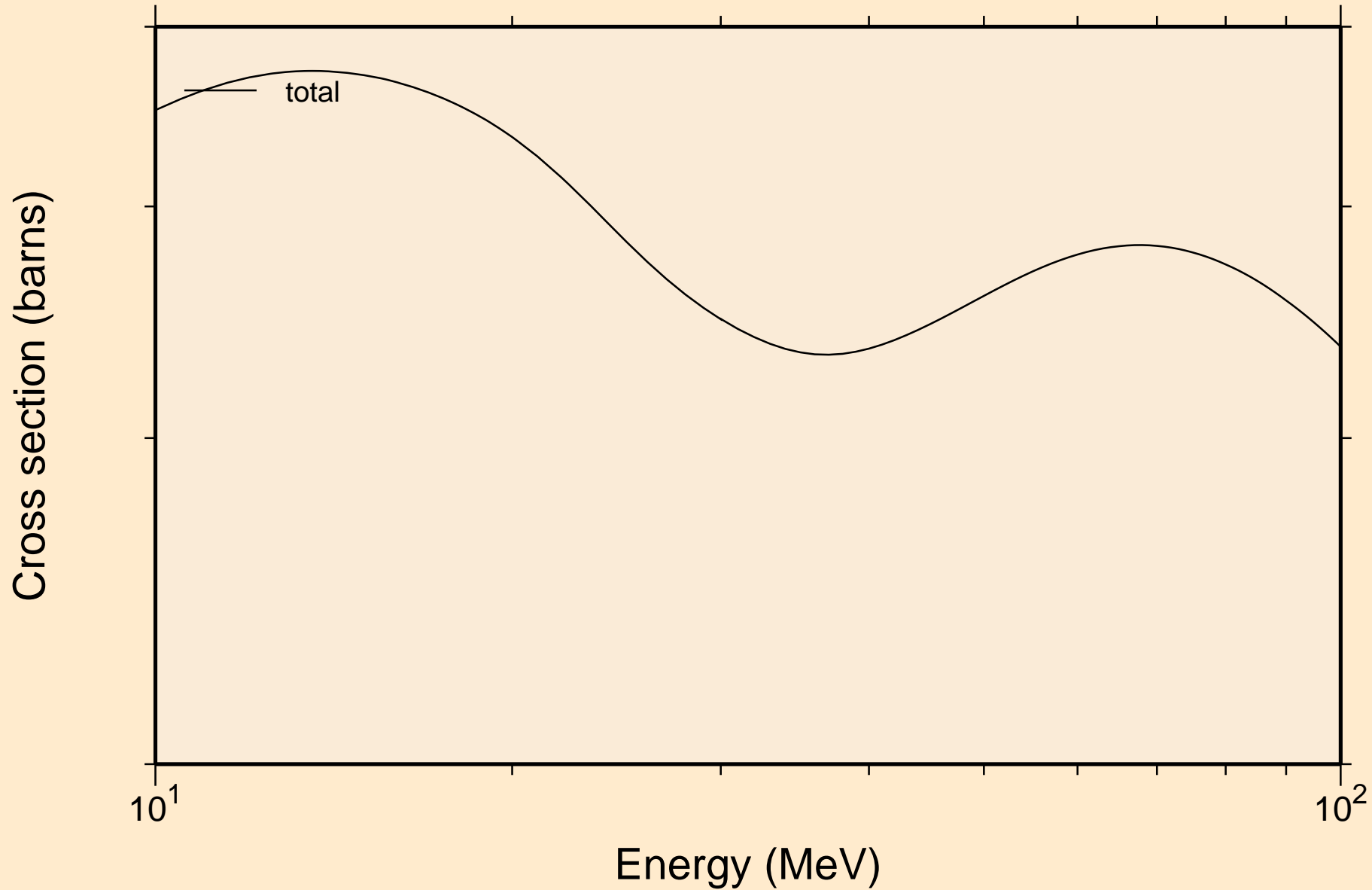
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resonance total cross section



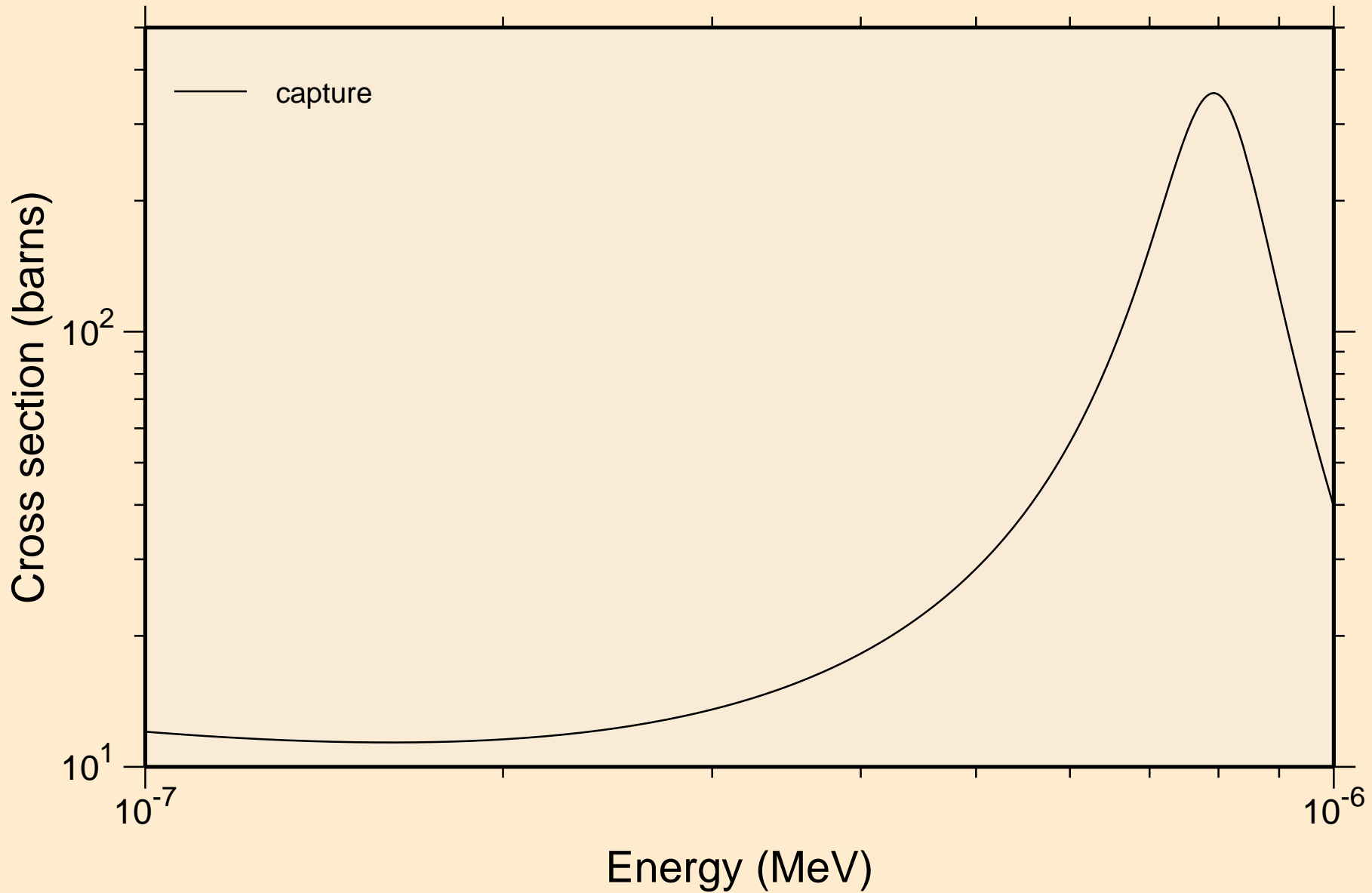
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



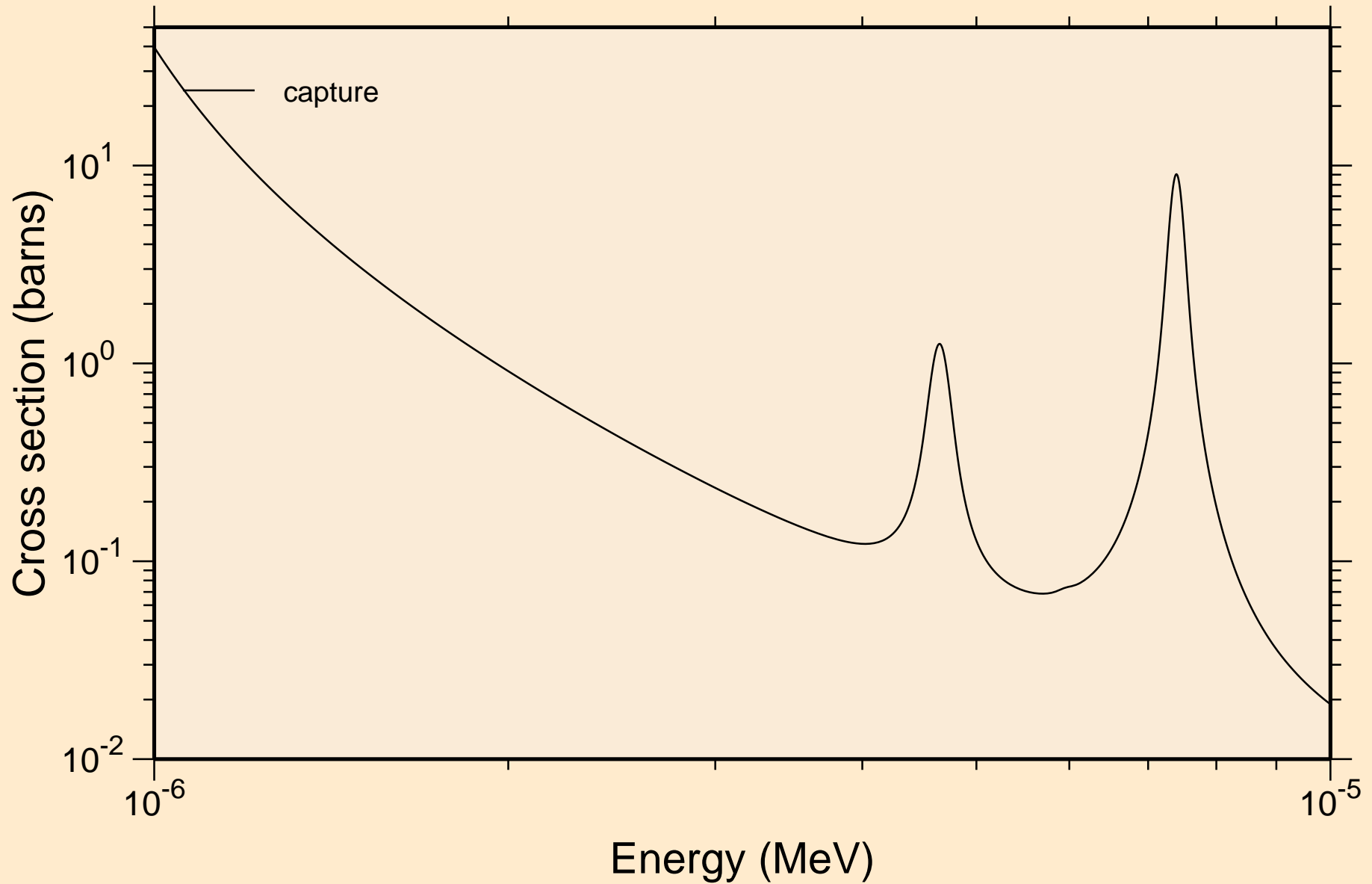
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

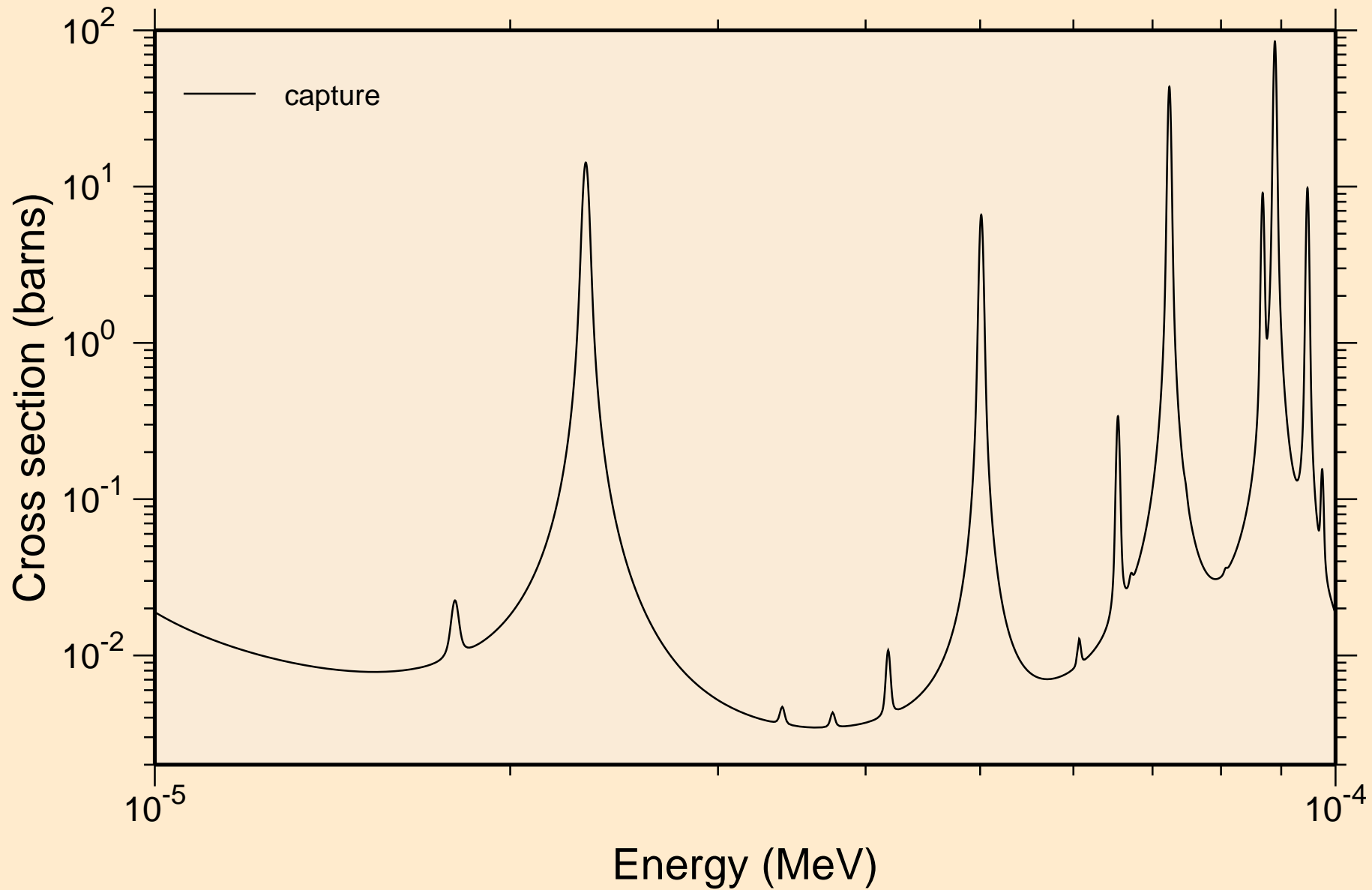


I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

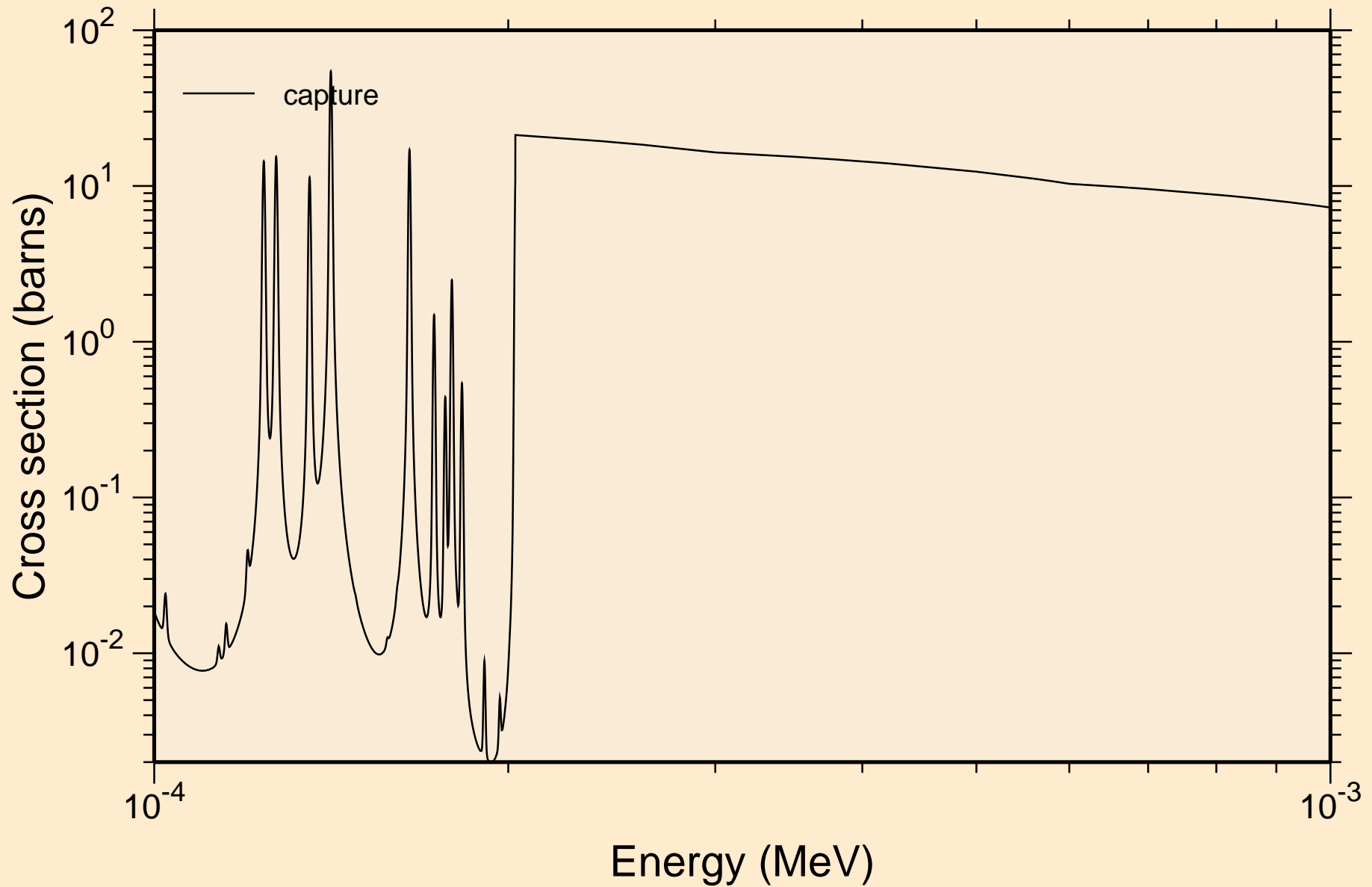




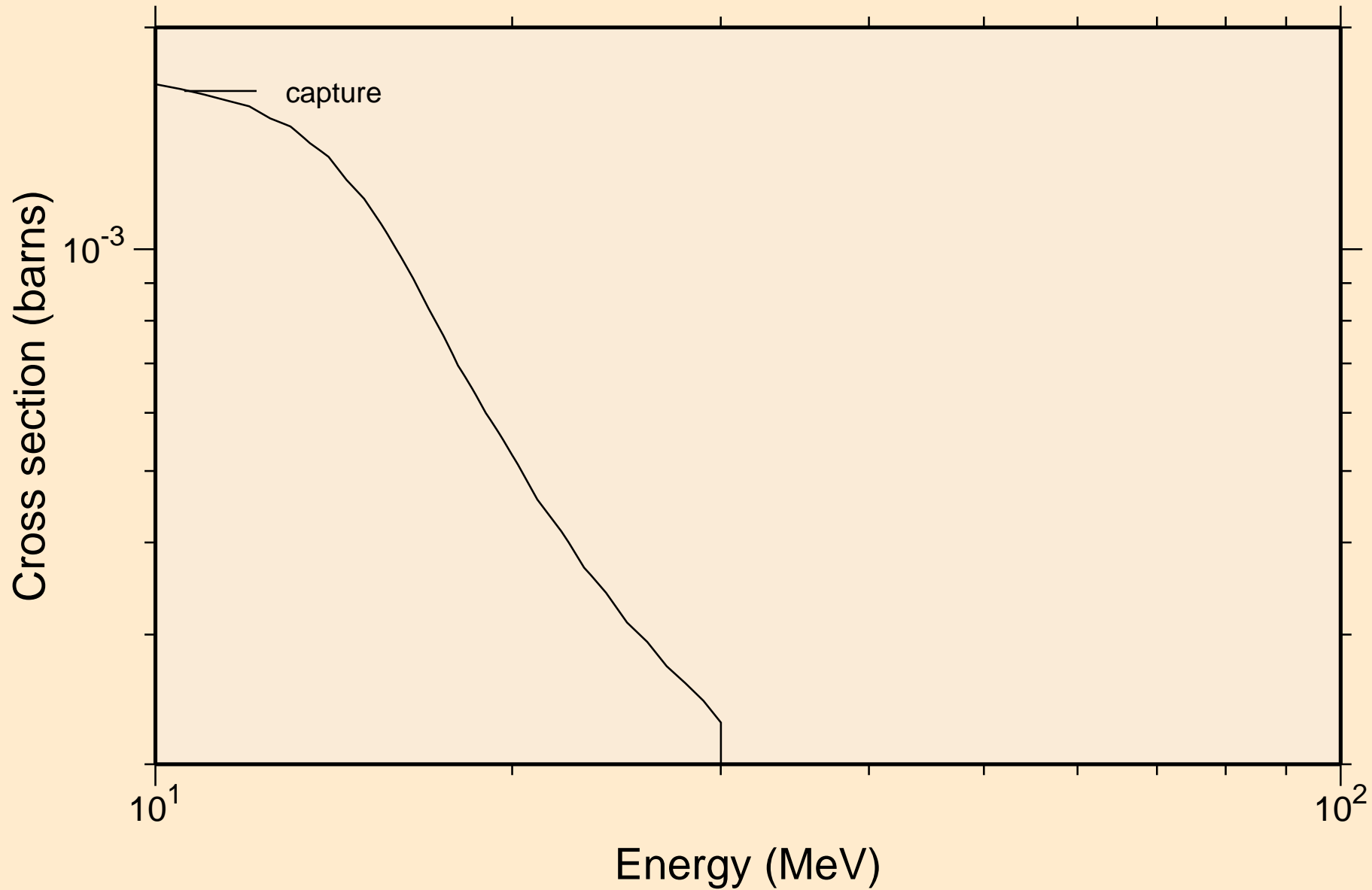
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



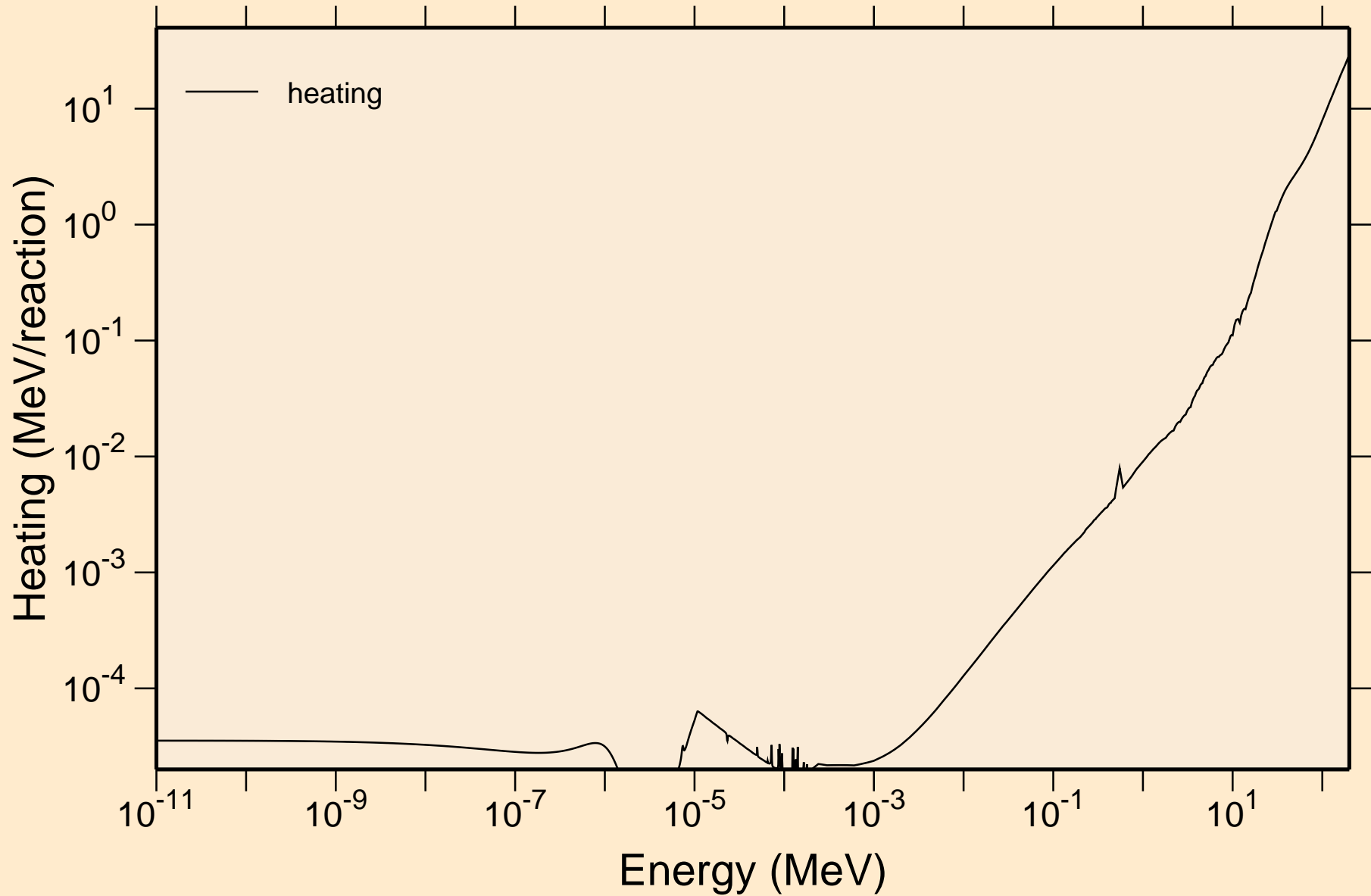
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

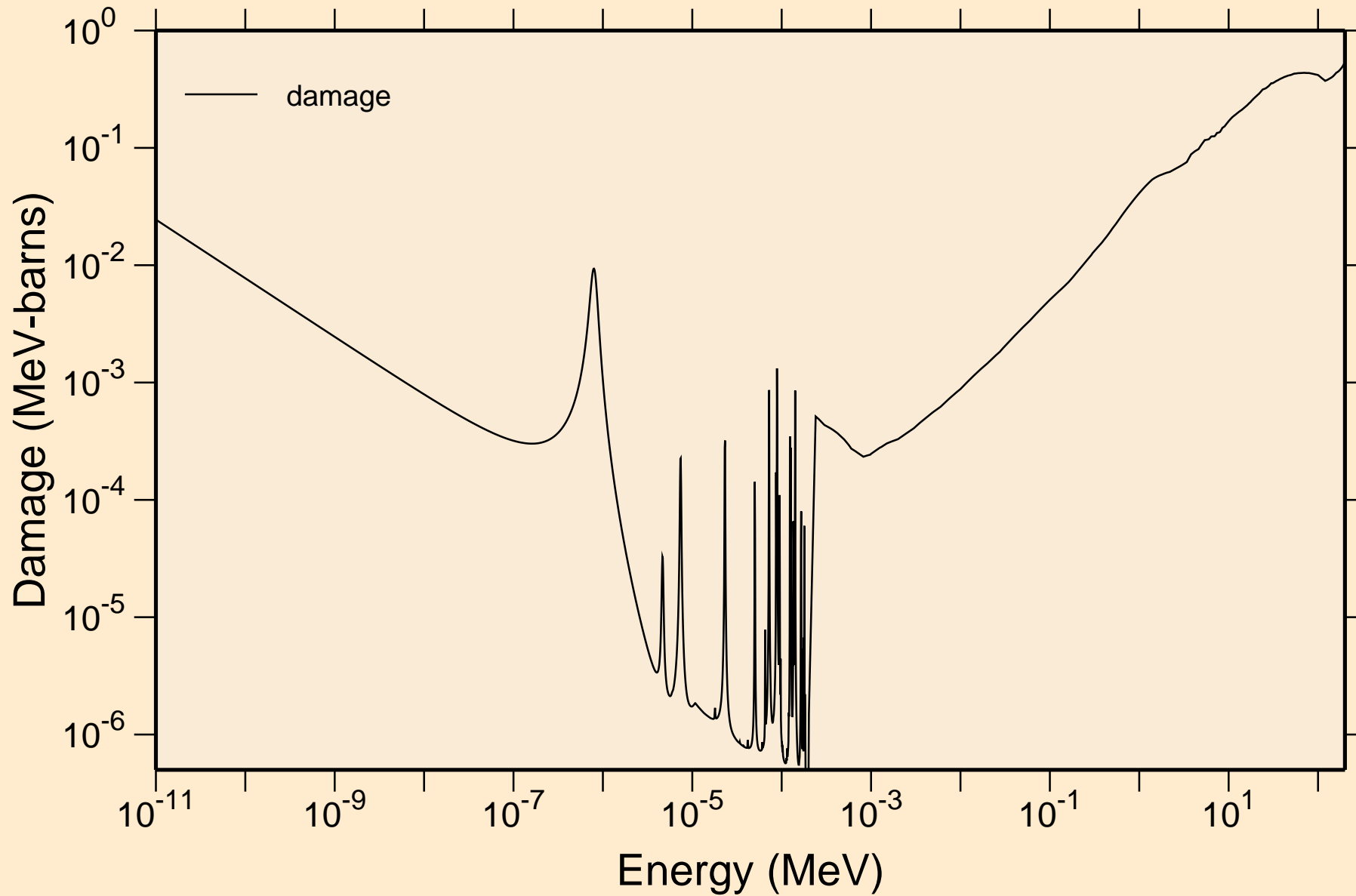


I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



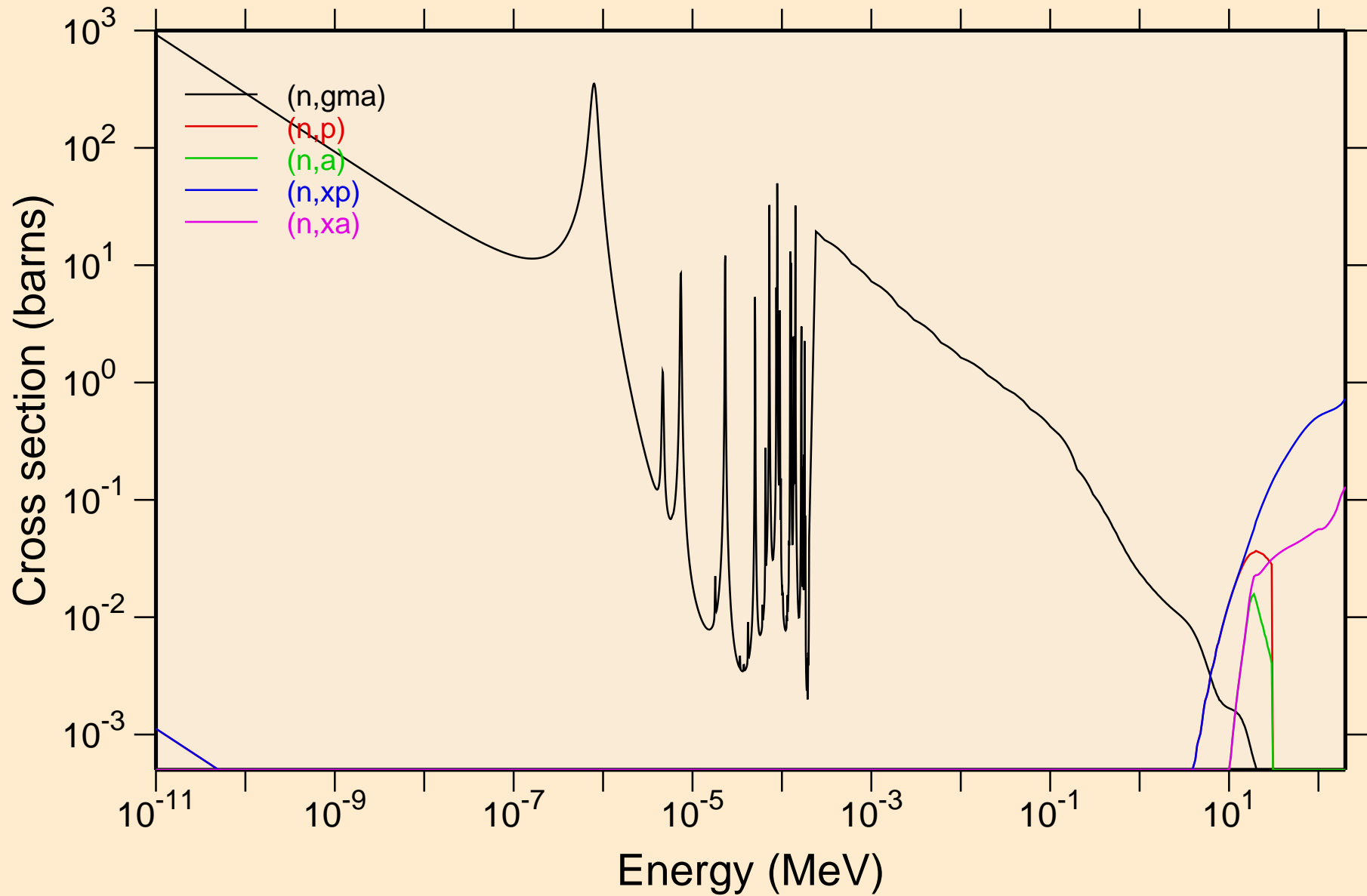
# I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Damage



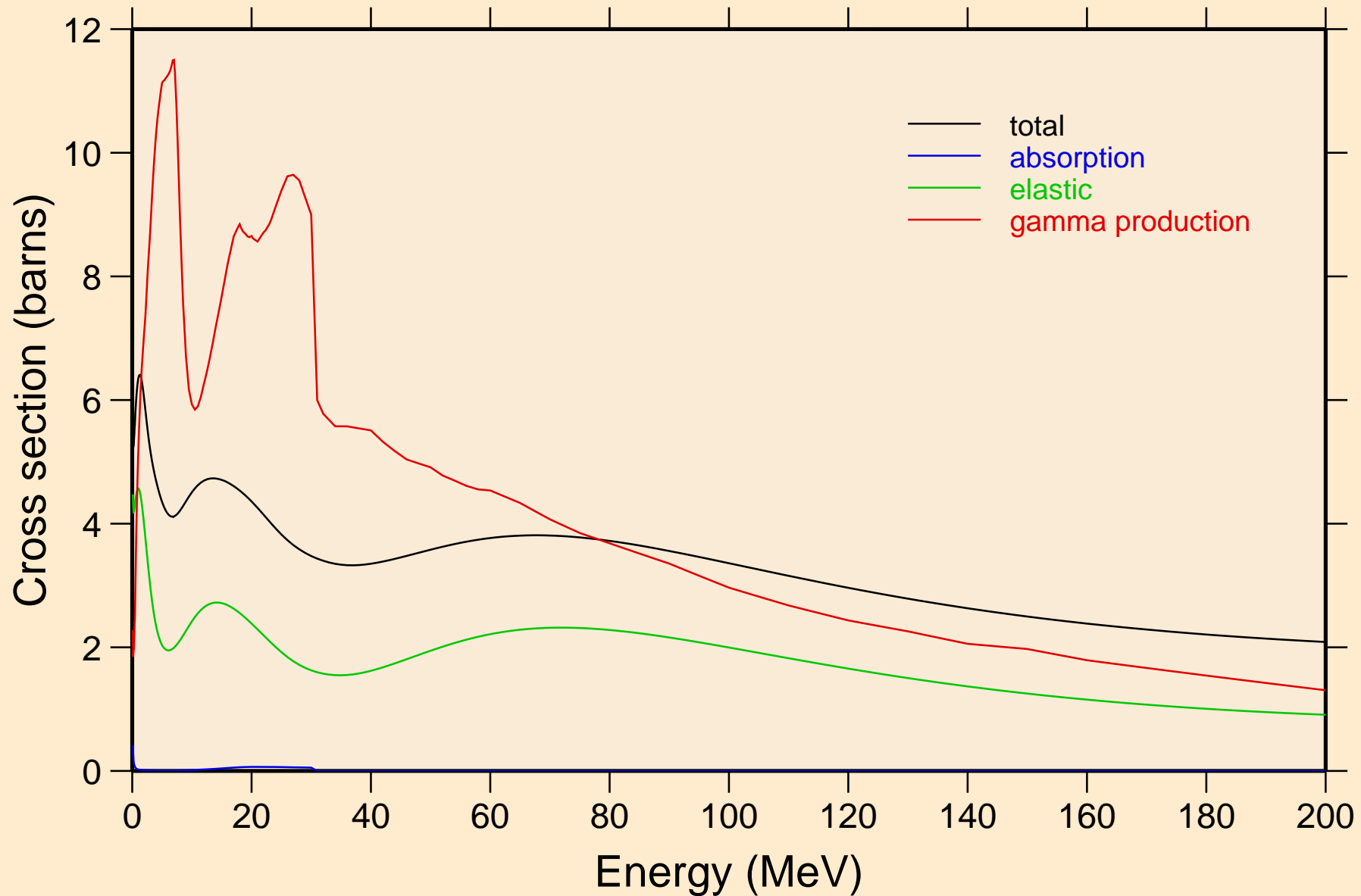
# I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Non-threshold reactions



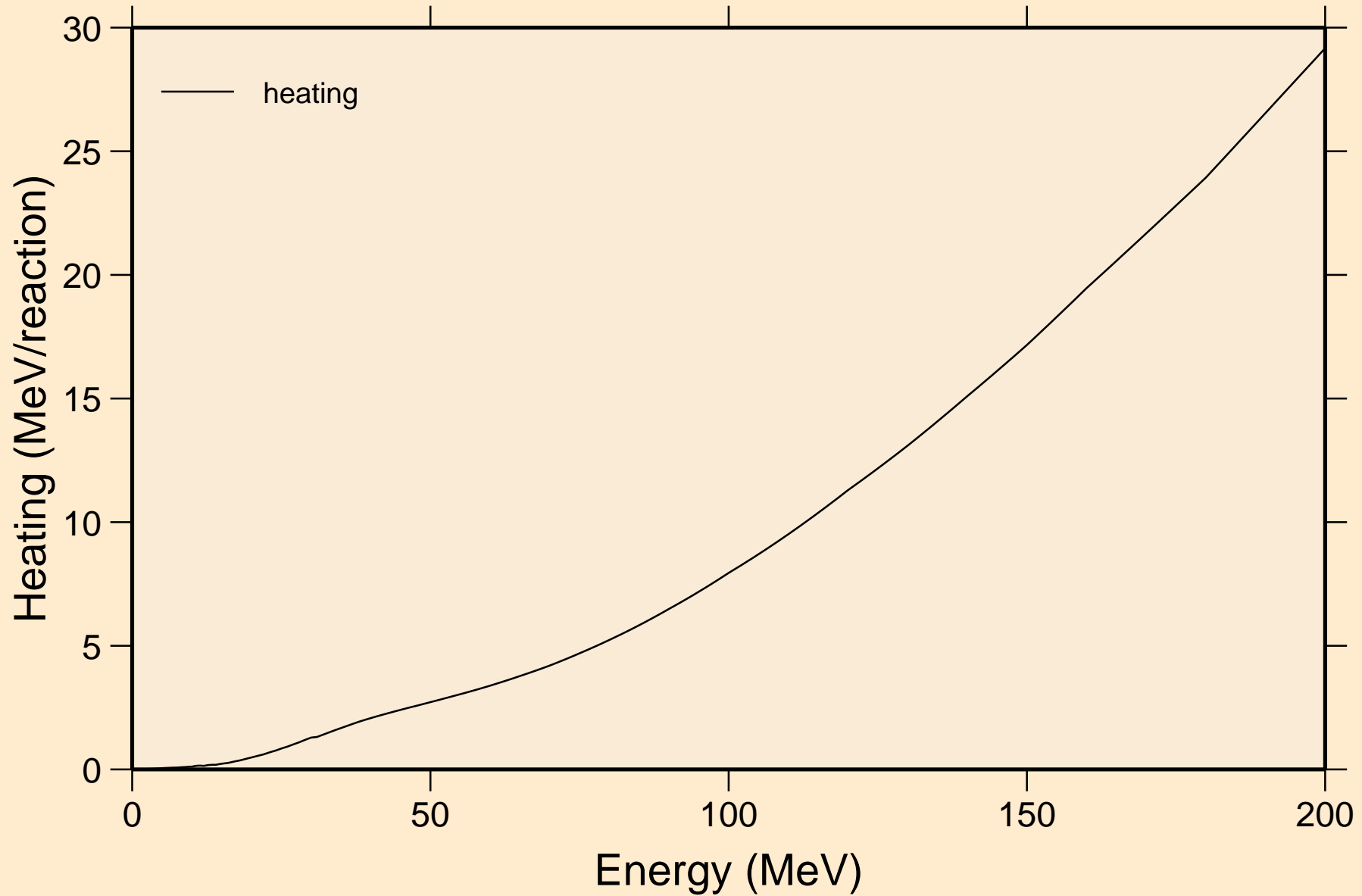
# I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Principal cross sections



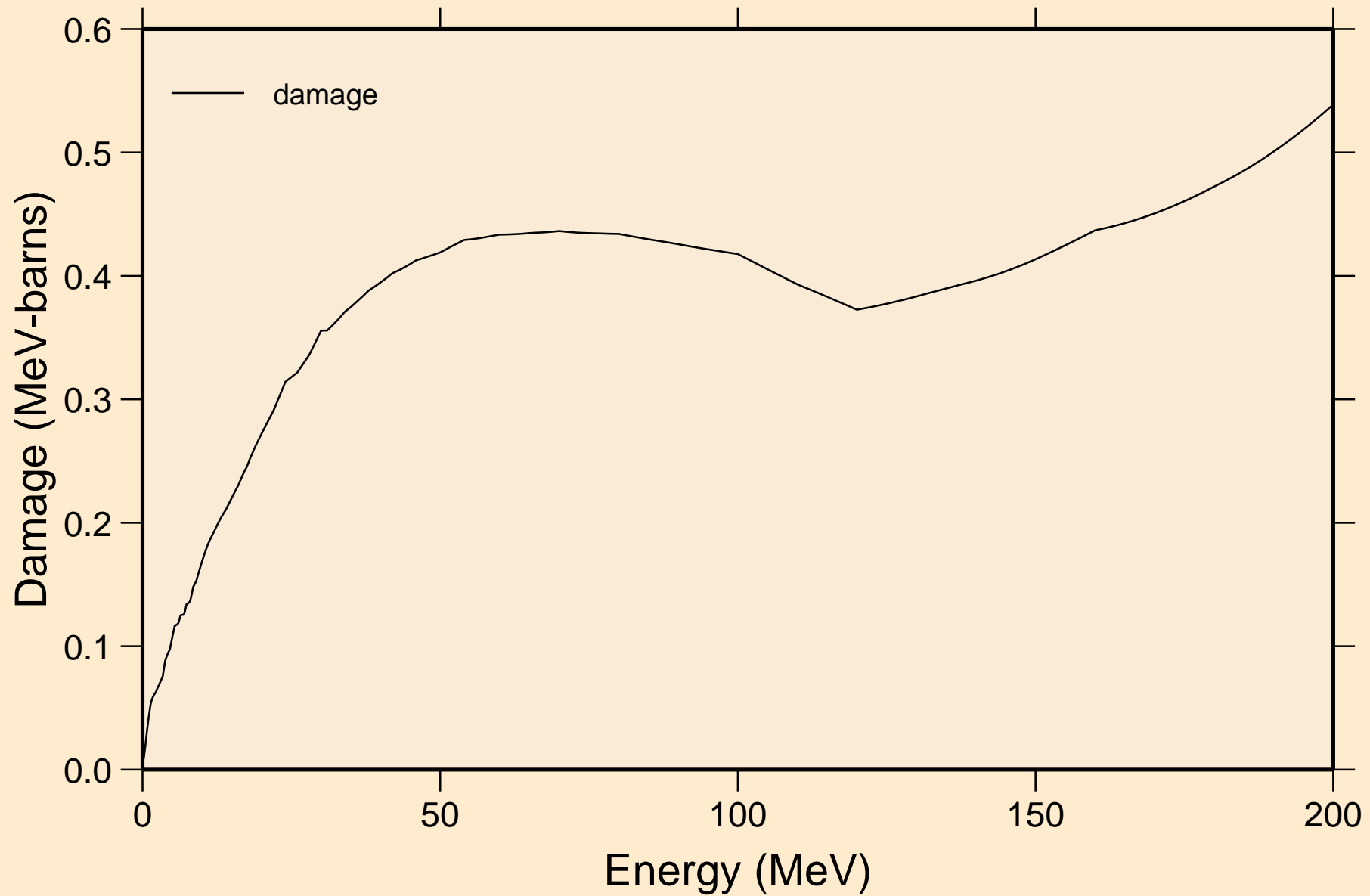
# I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Heating

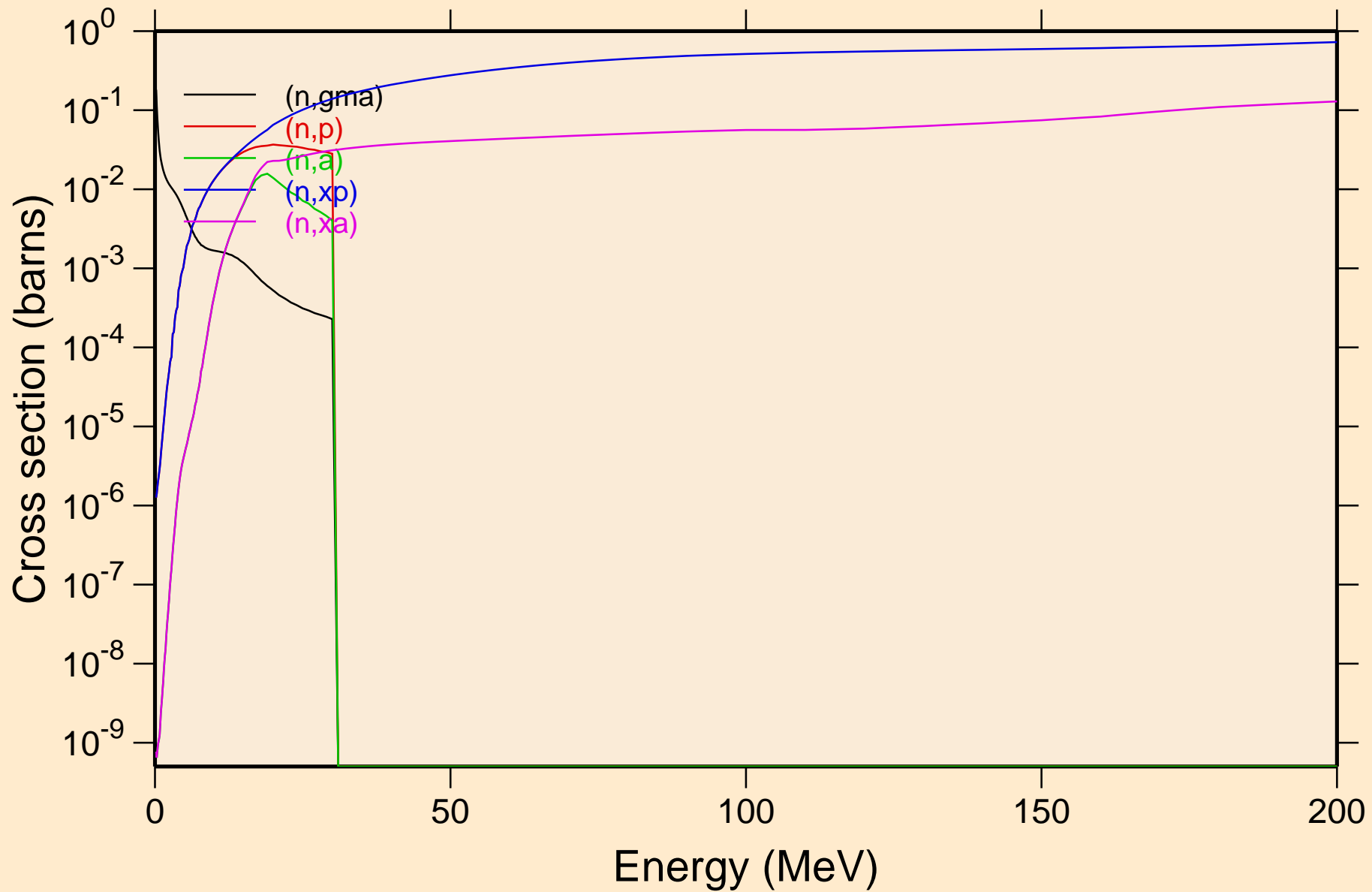




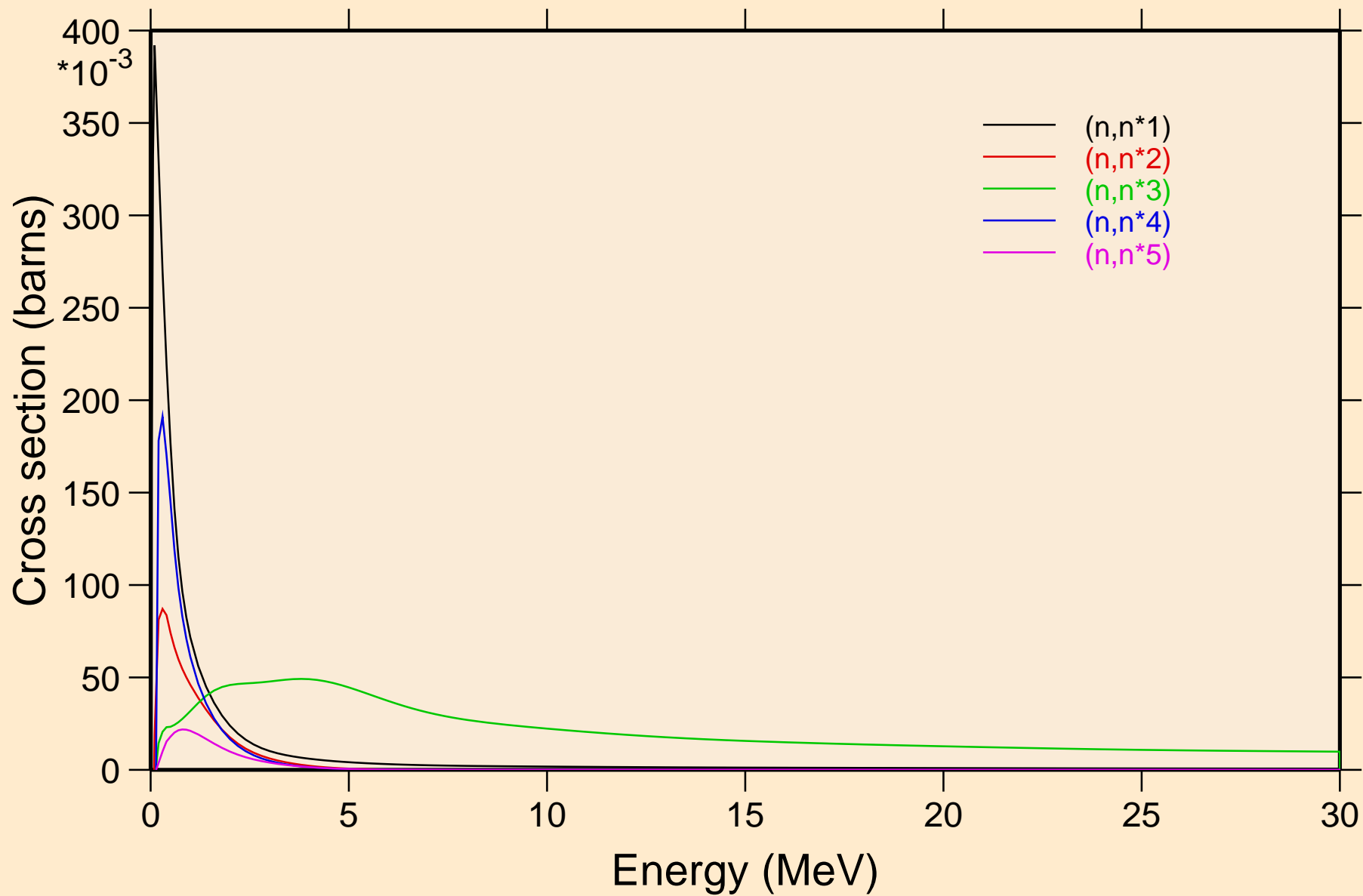
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage



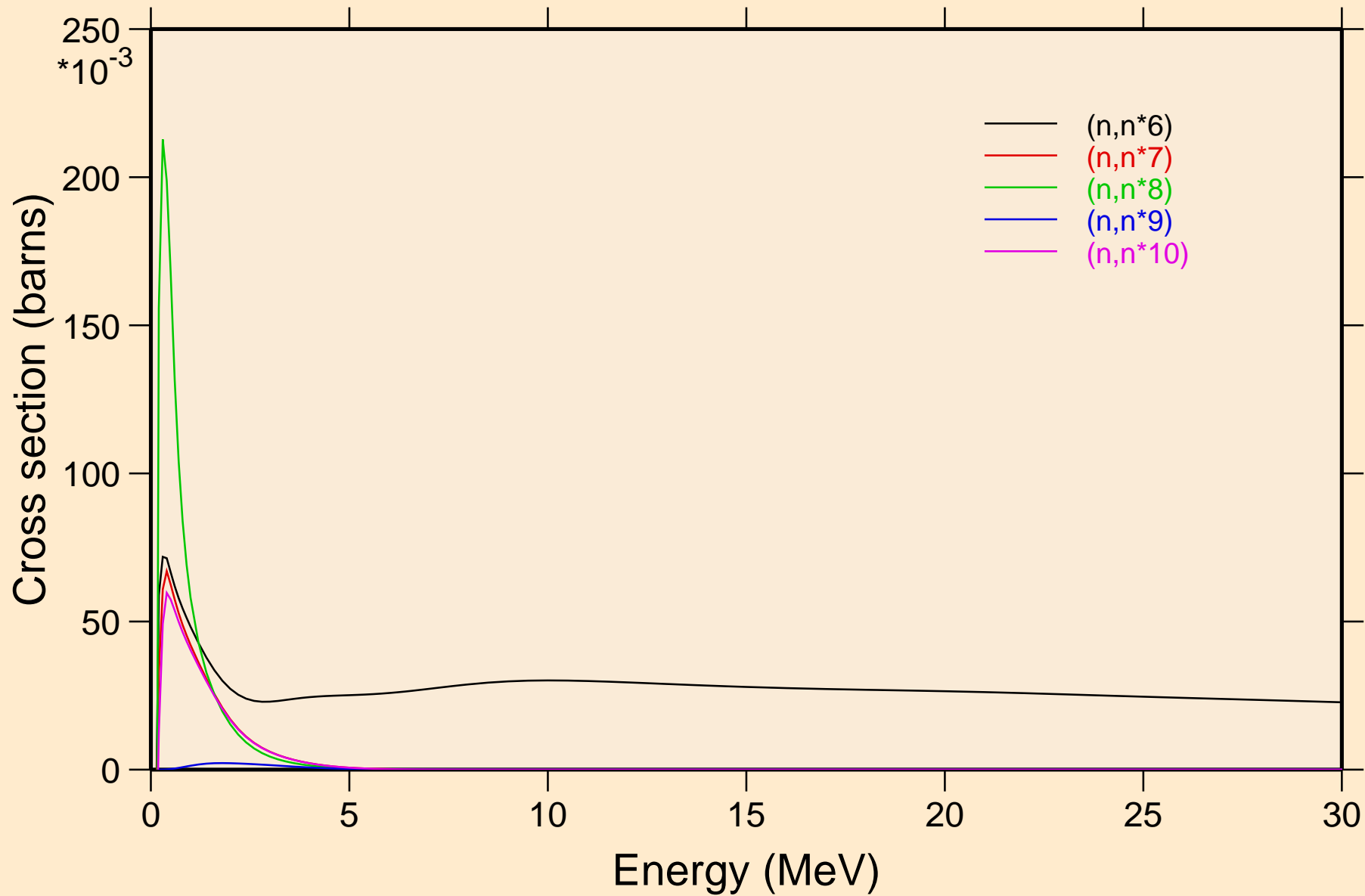
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



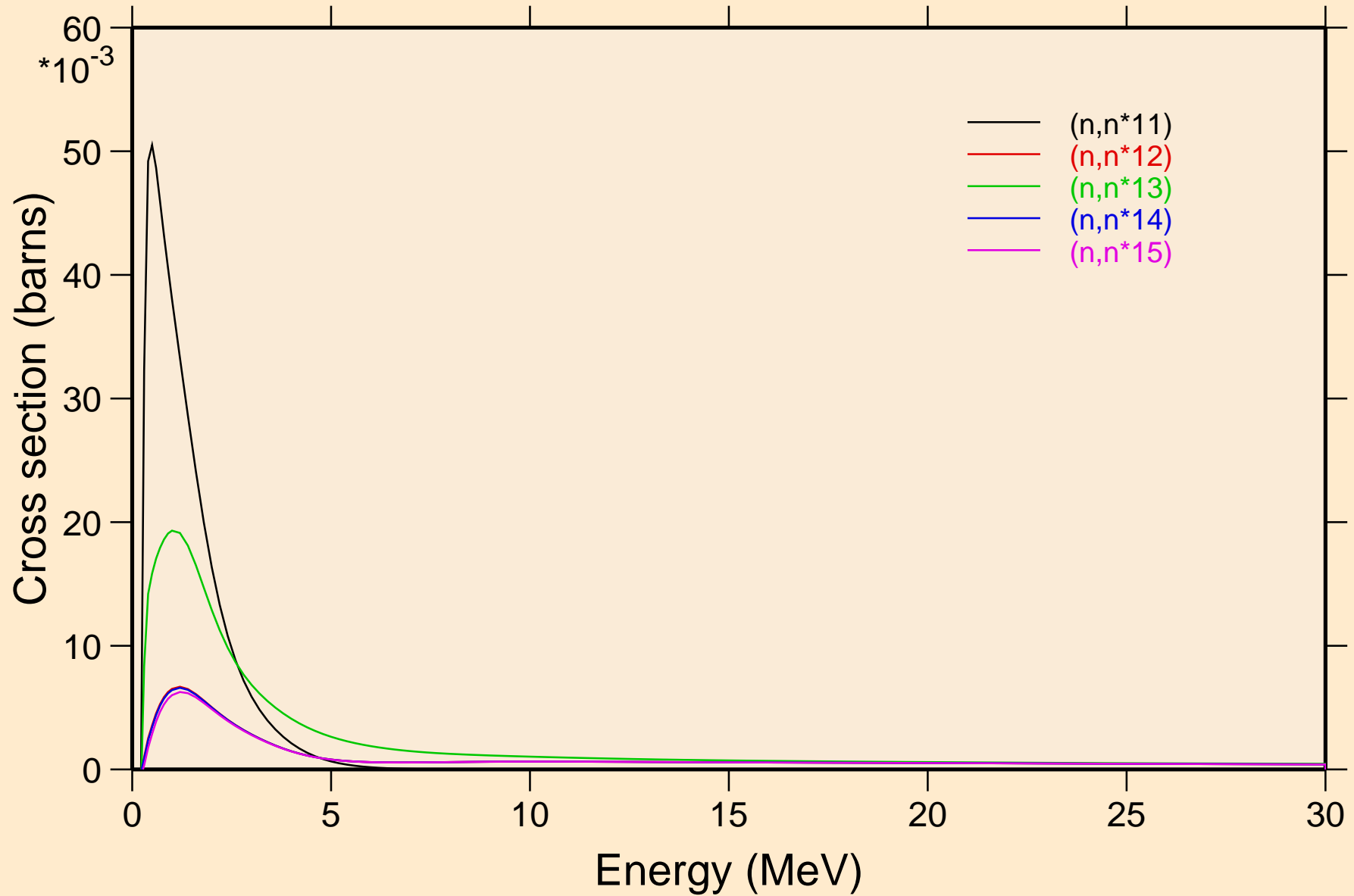
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



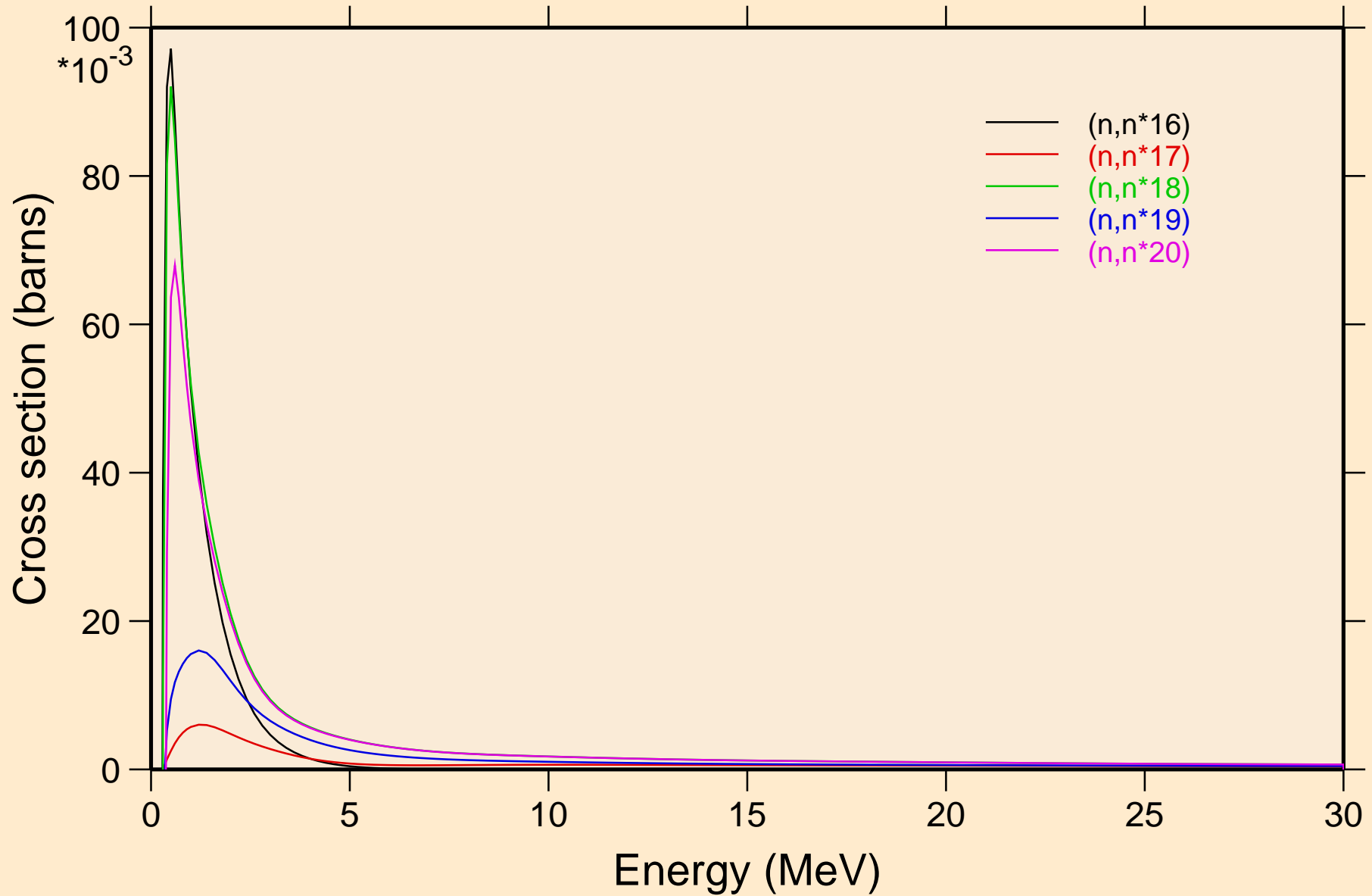
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



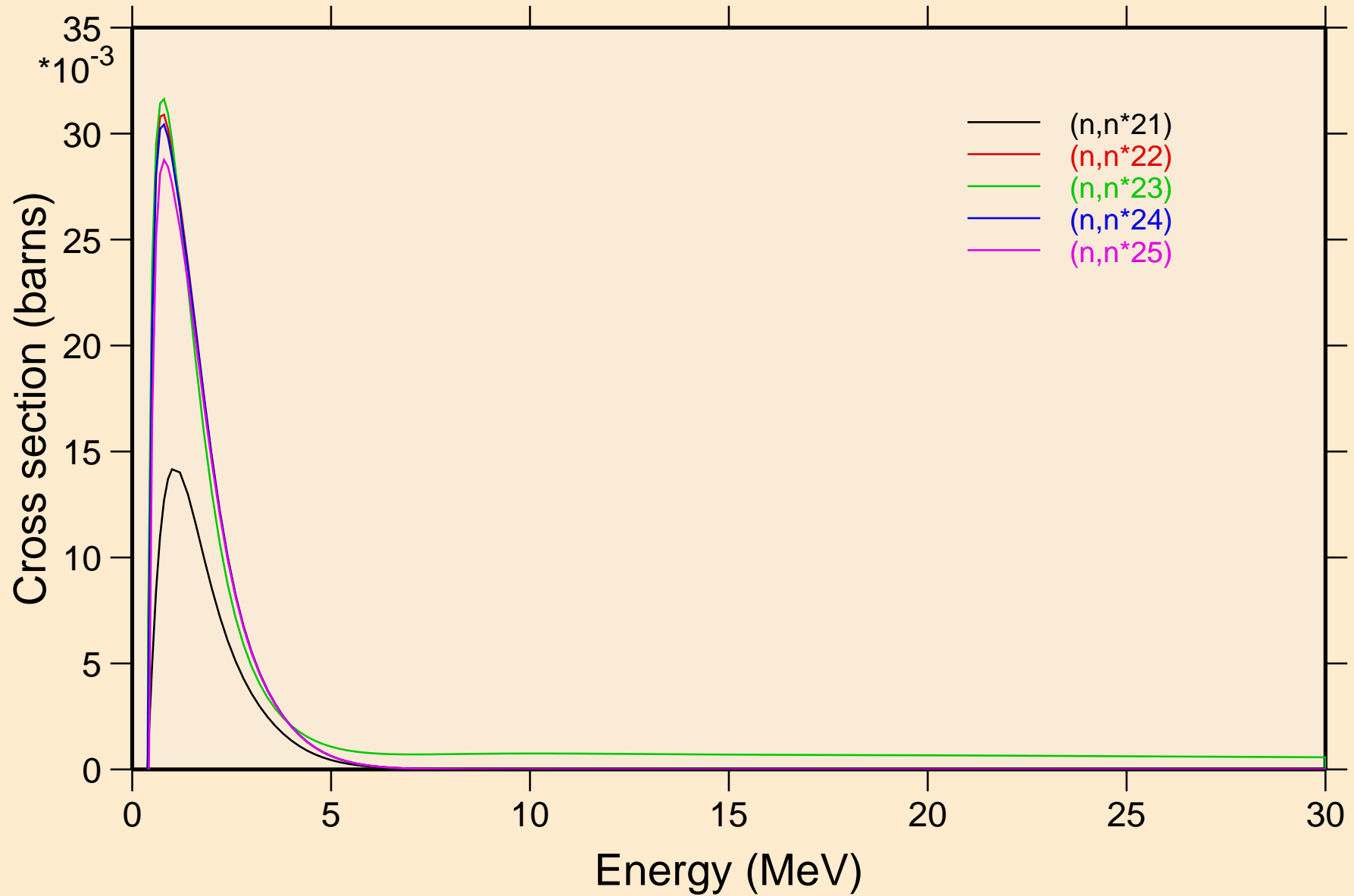
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



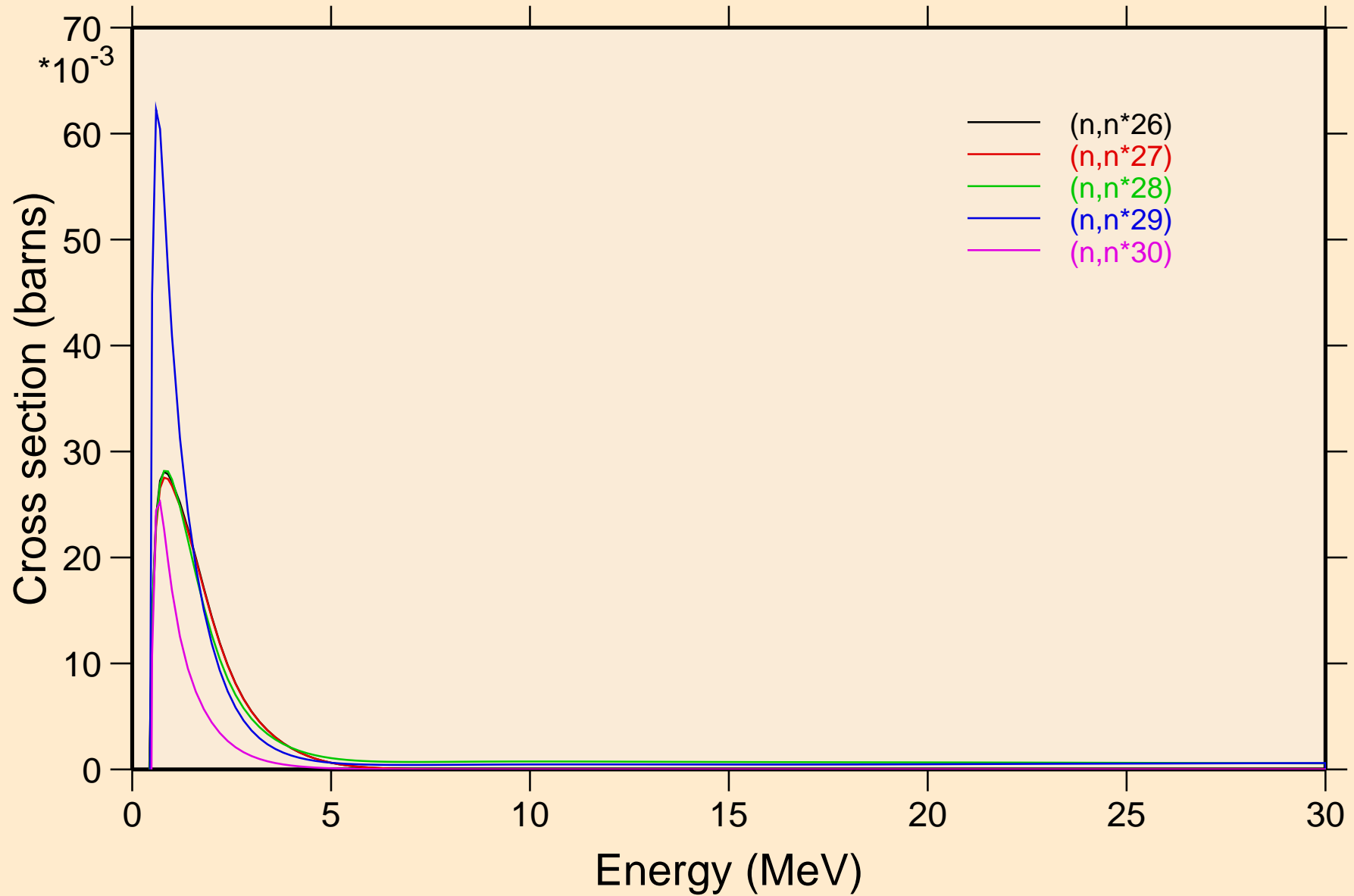
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

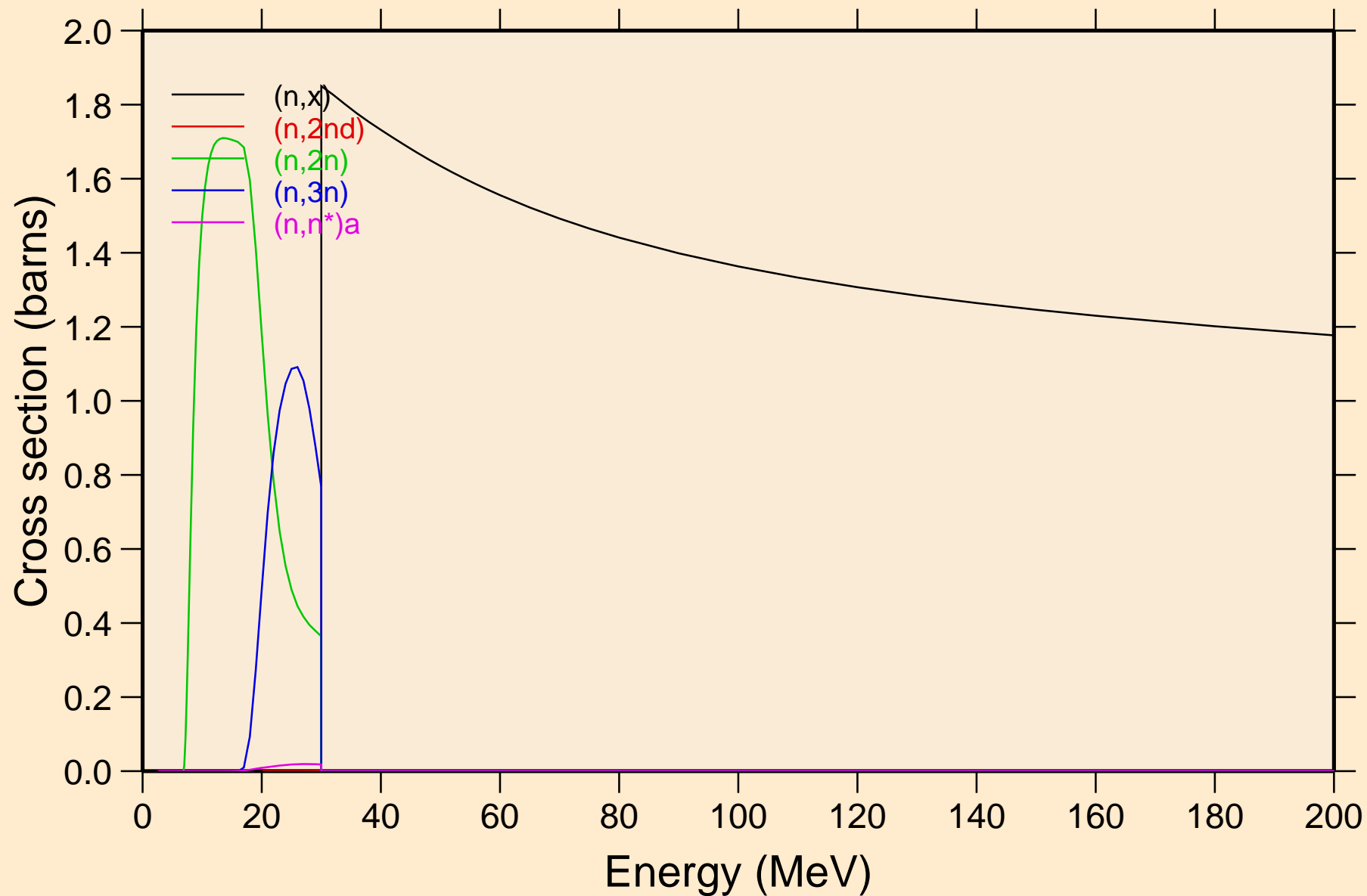


I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



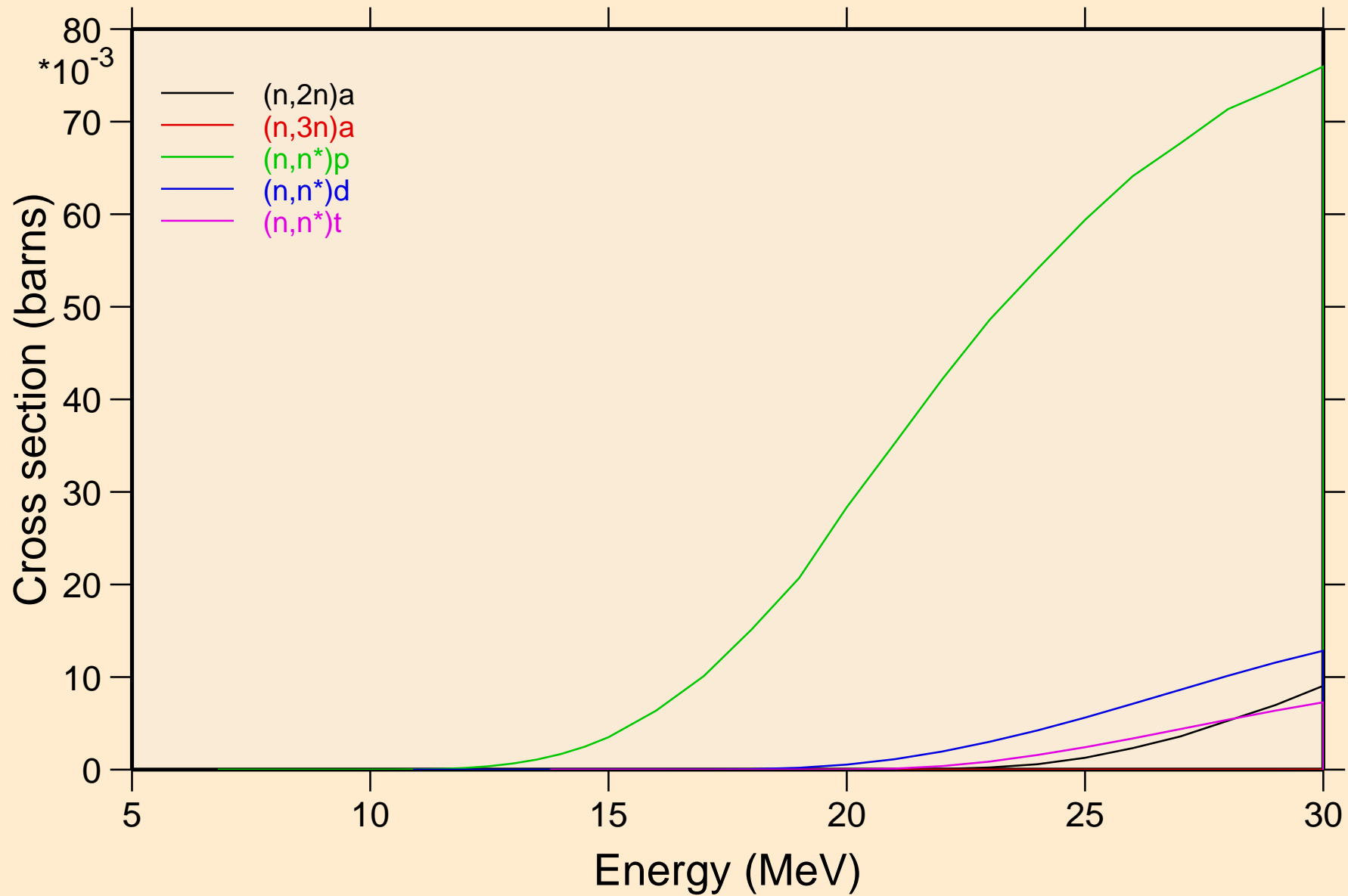


I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



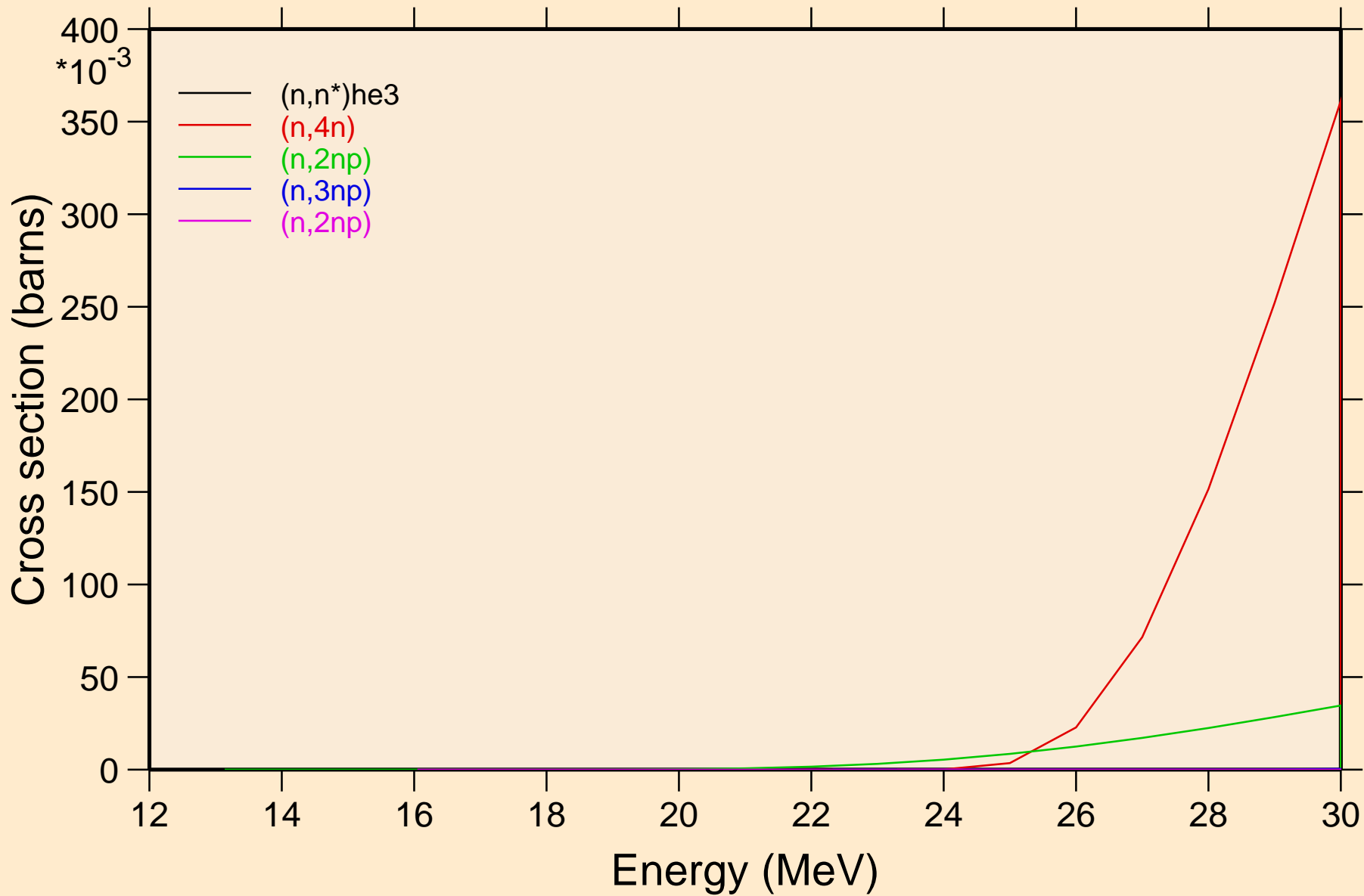
# I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions

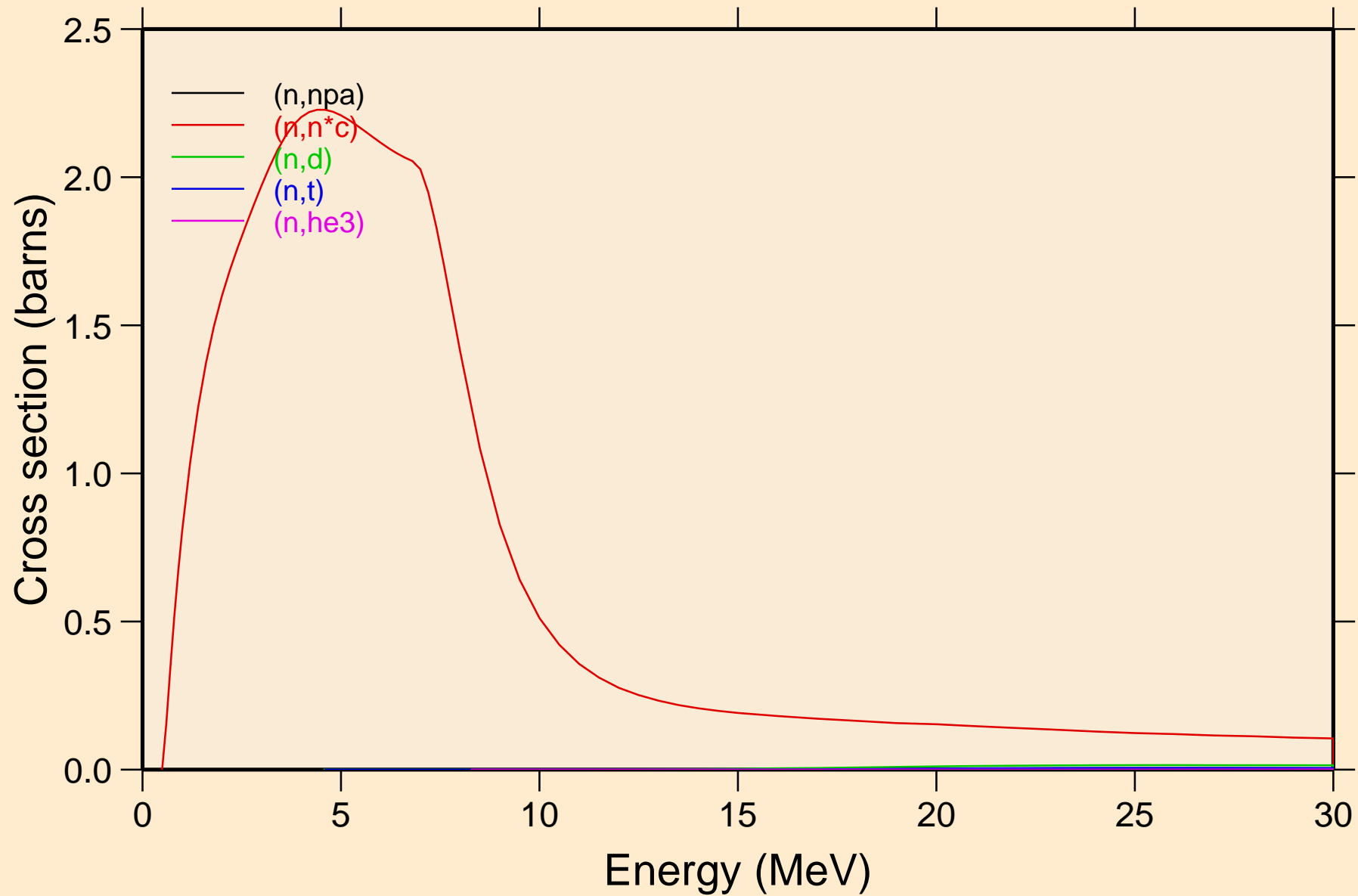


# I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

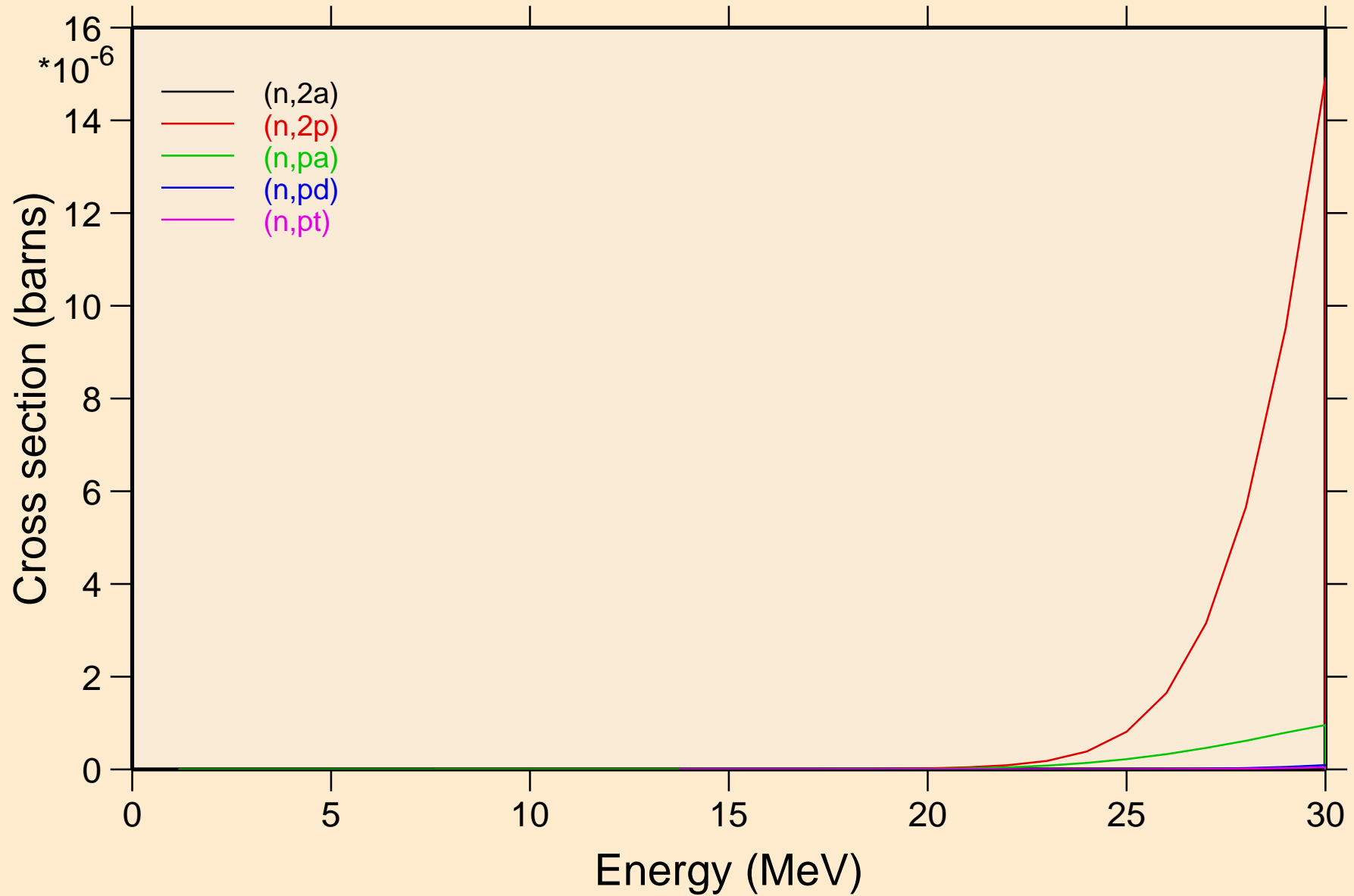
## Threshold reactions



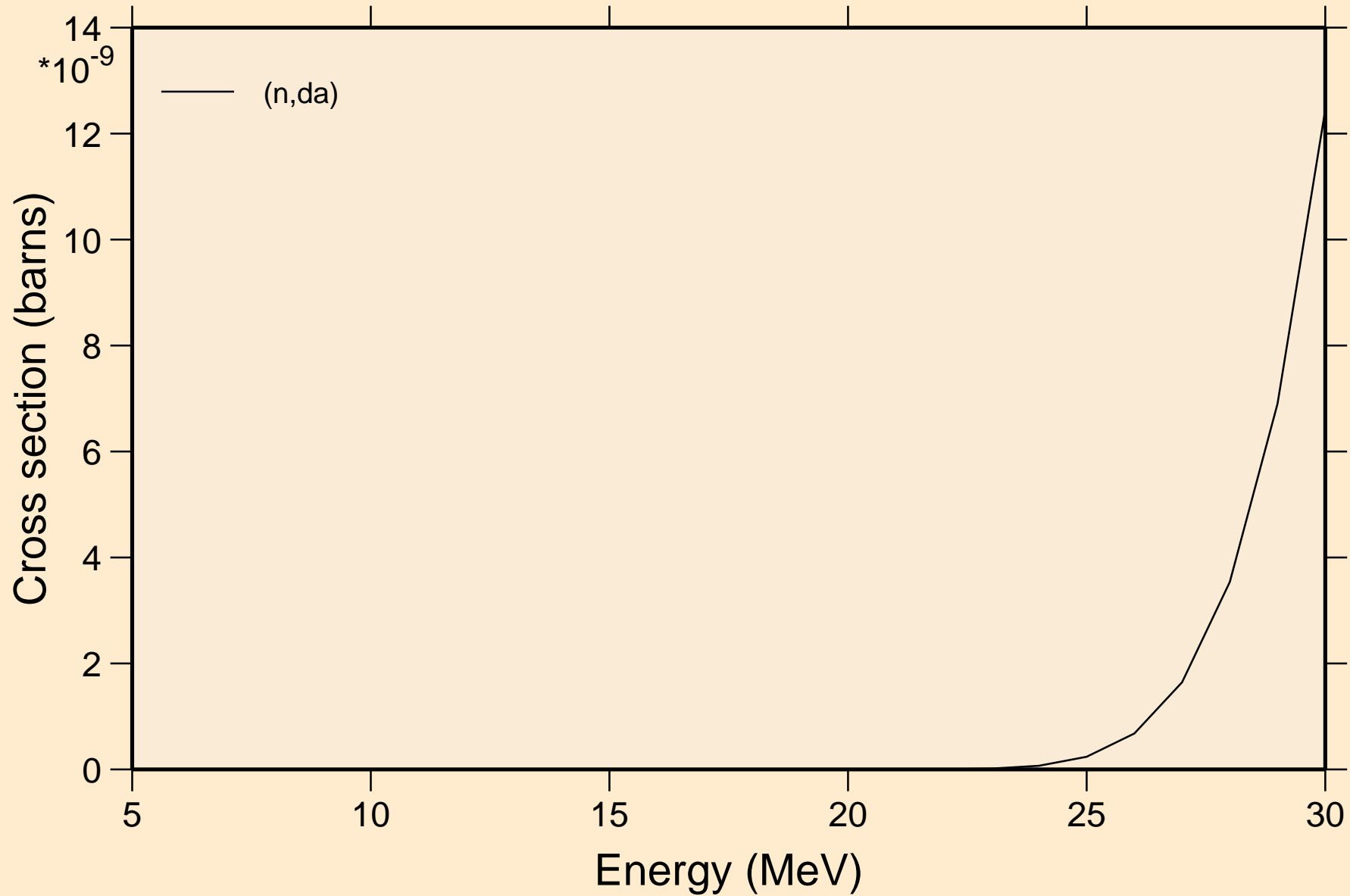
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

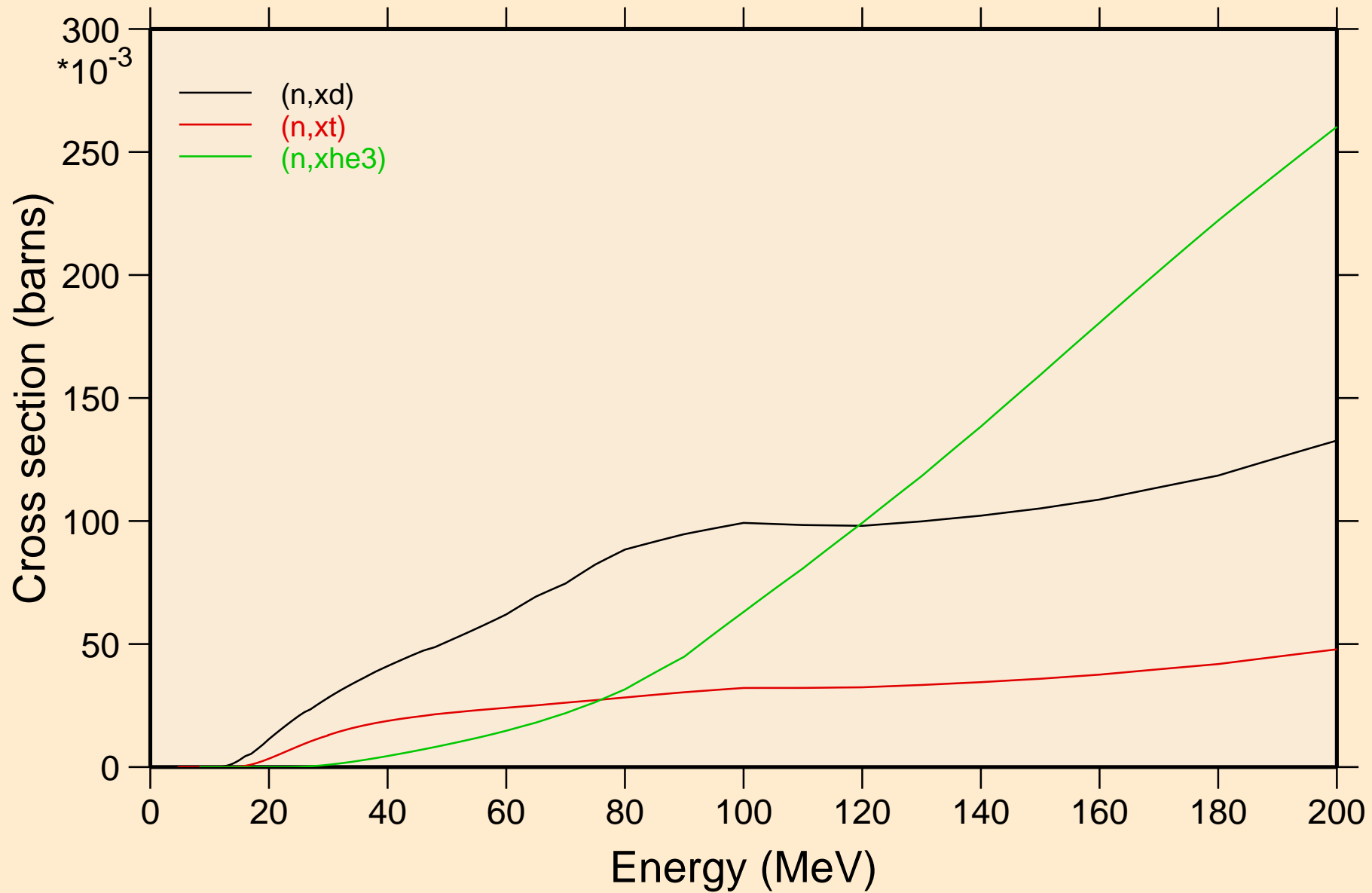


I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

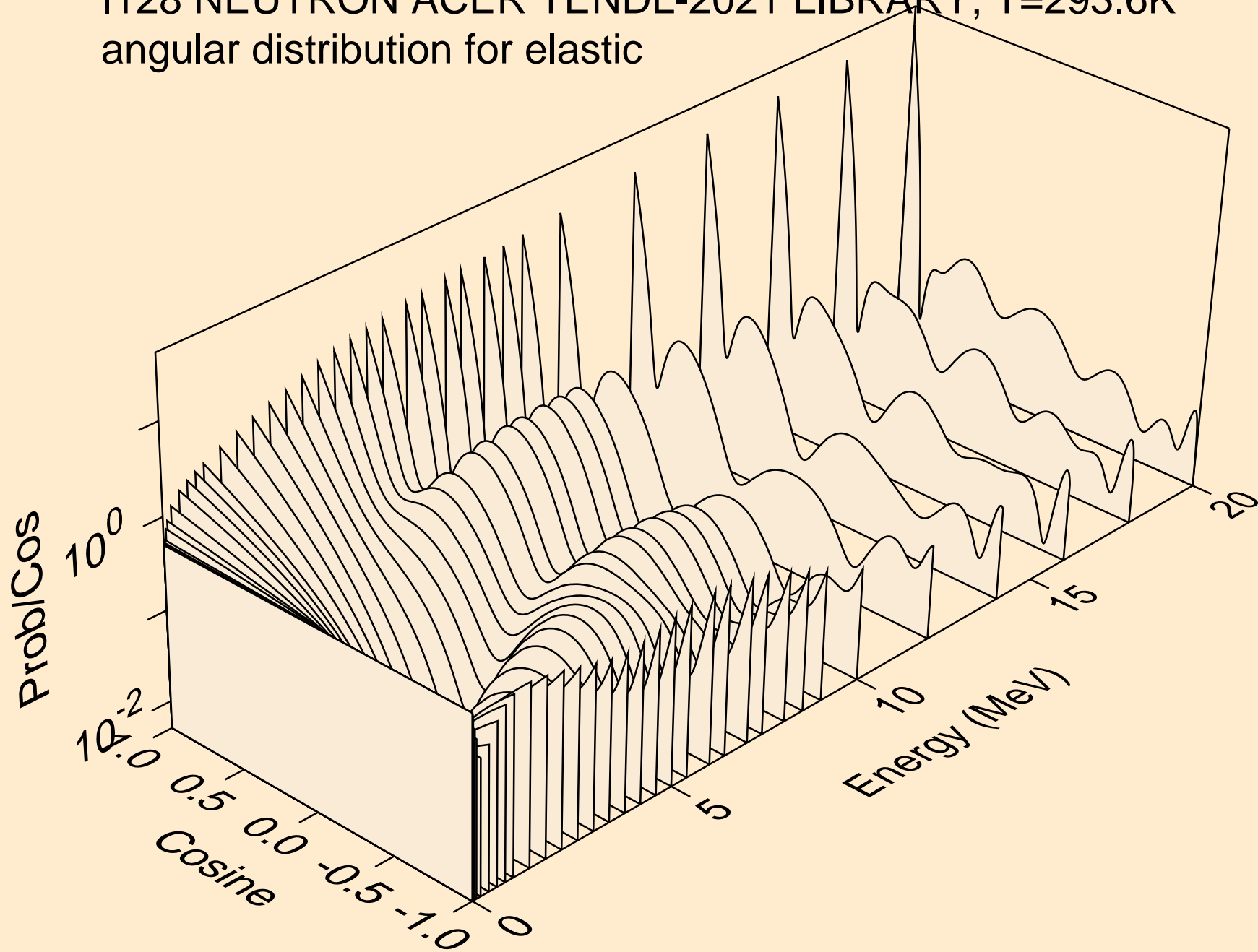


# I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions

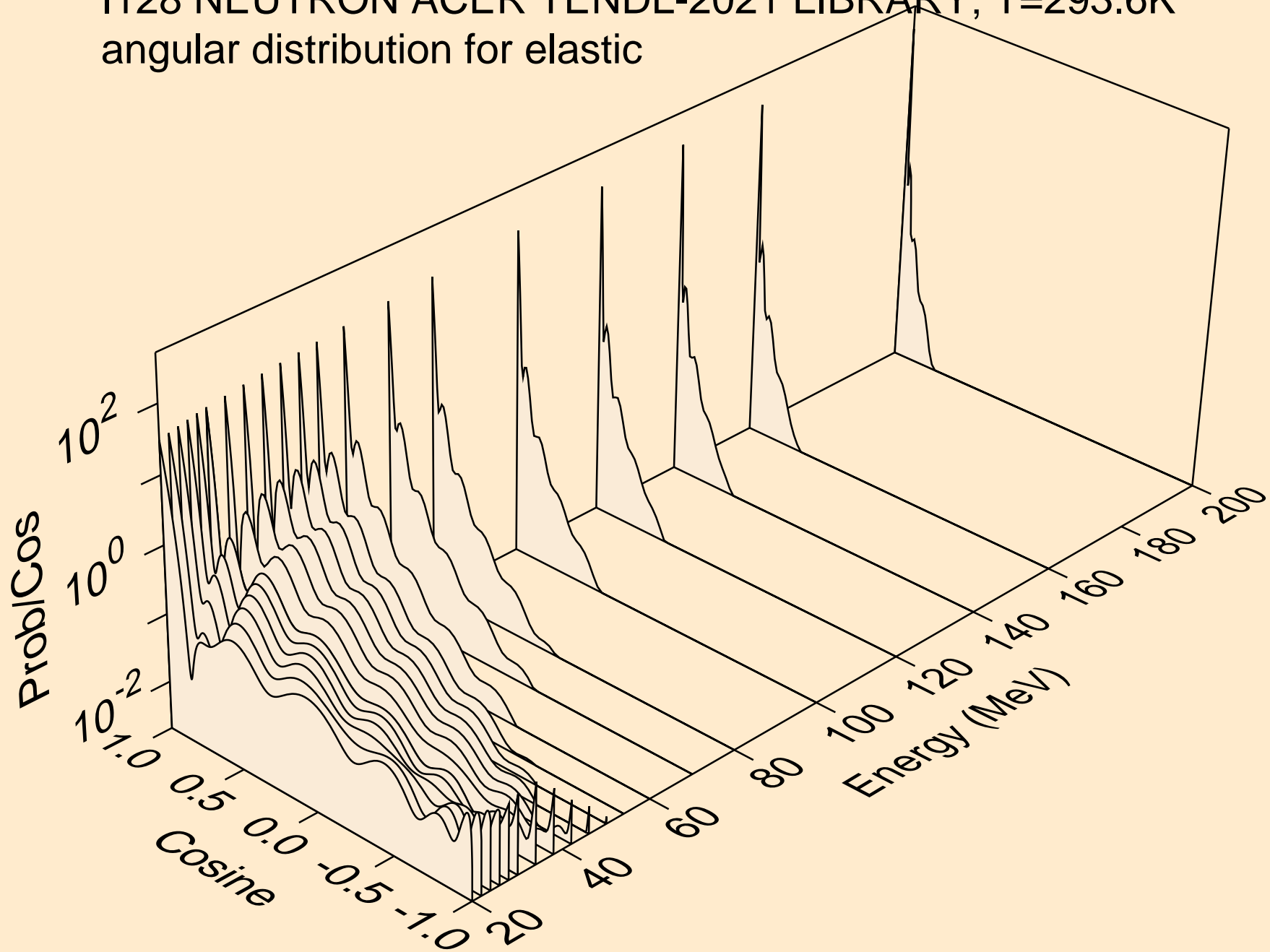


I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic

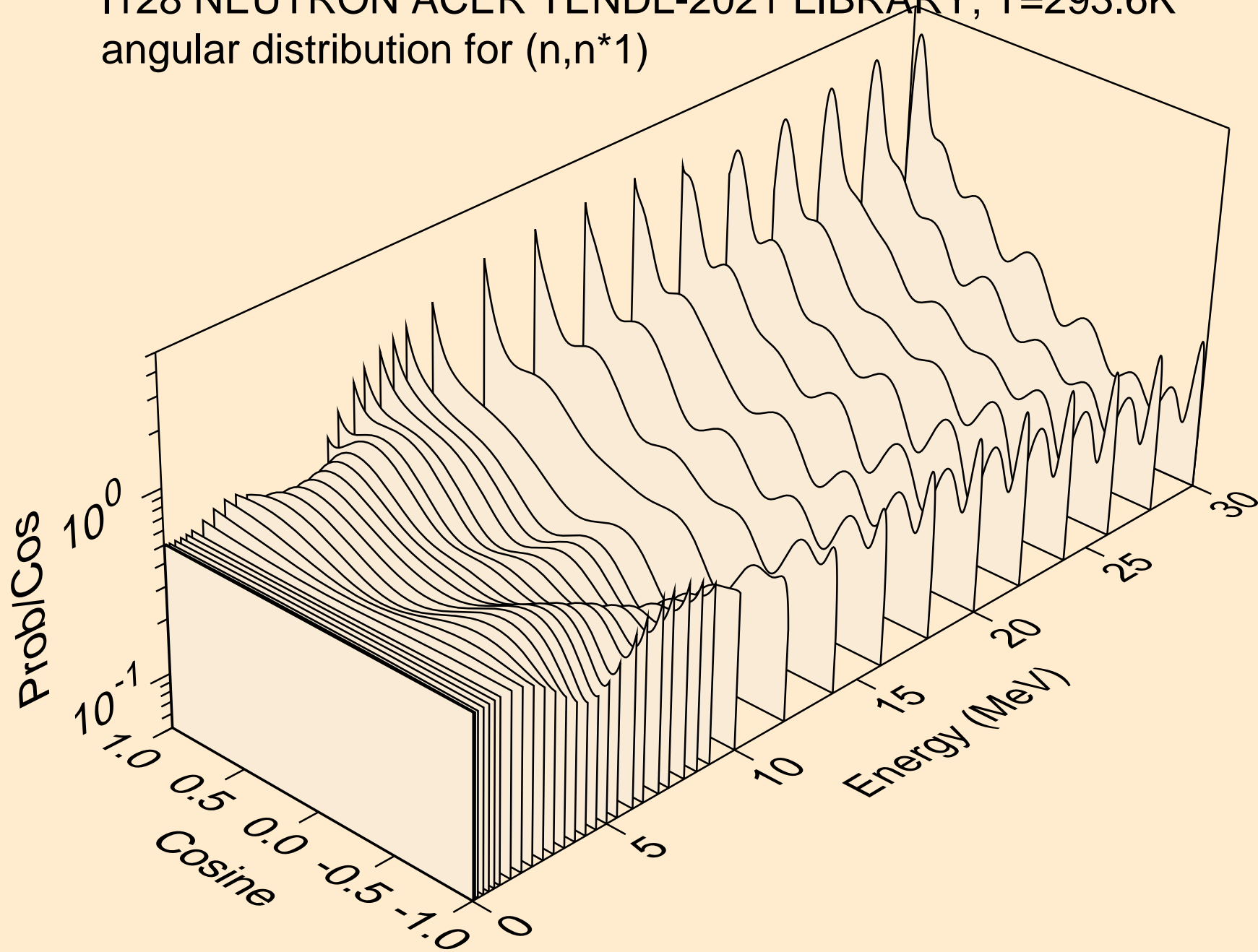




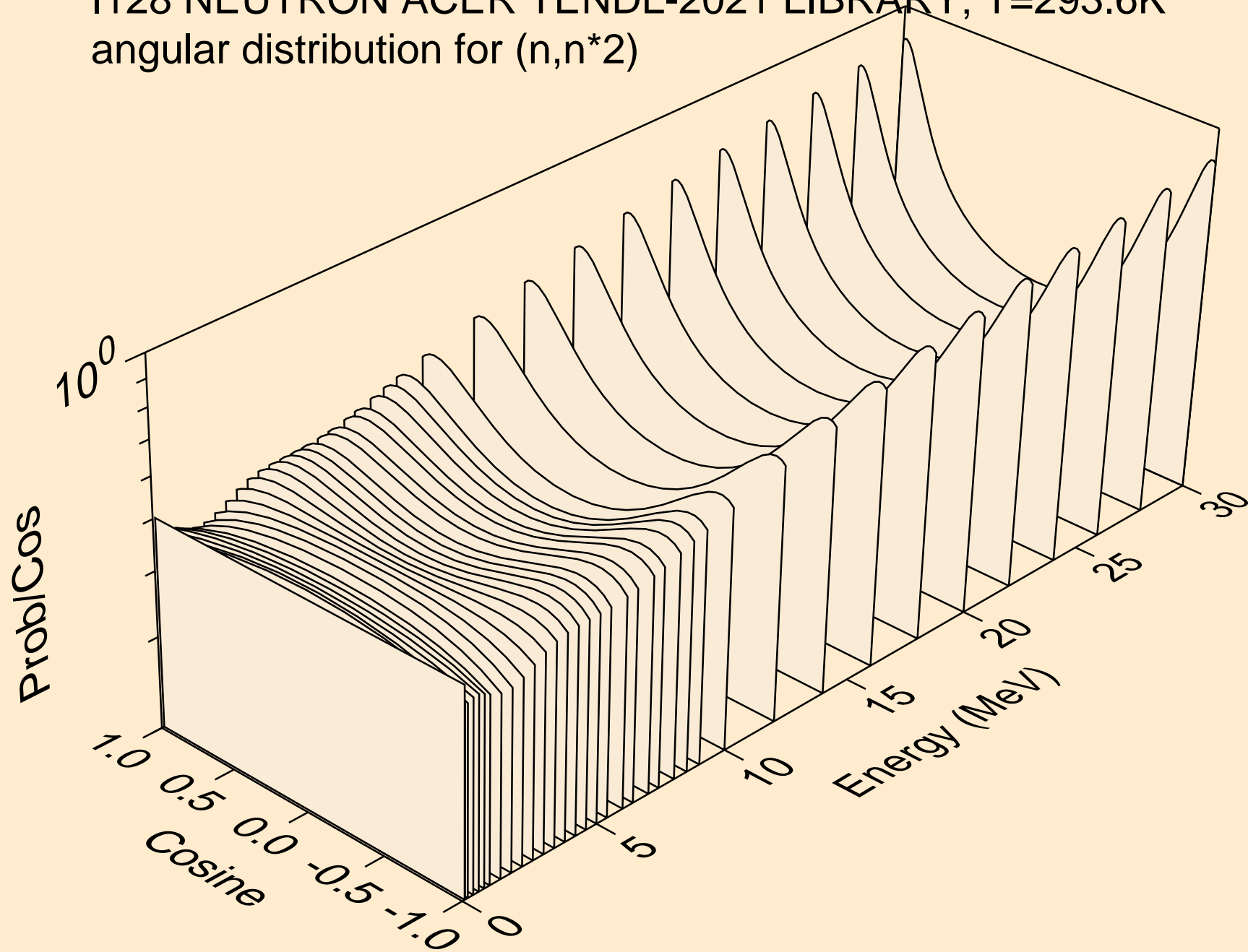
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



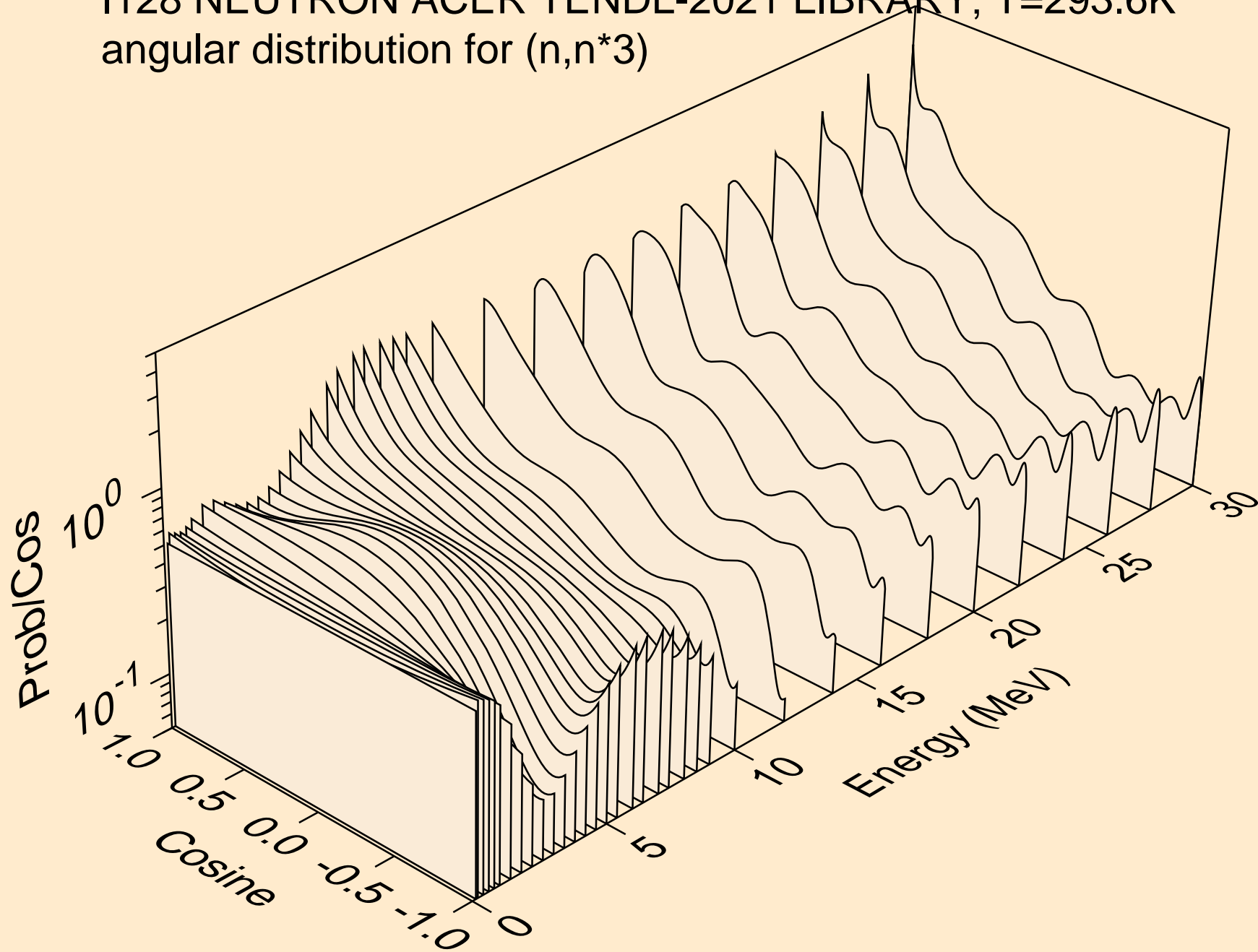
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



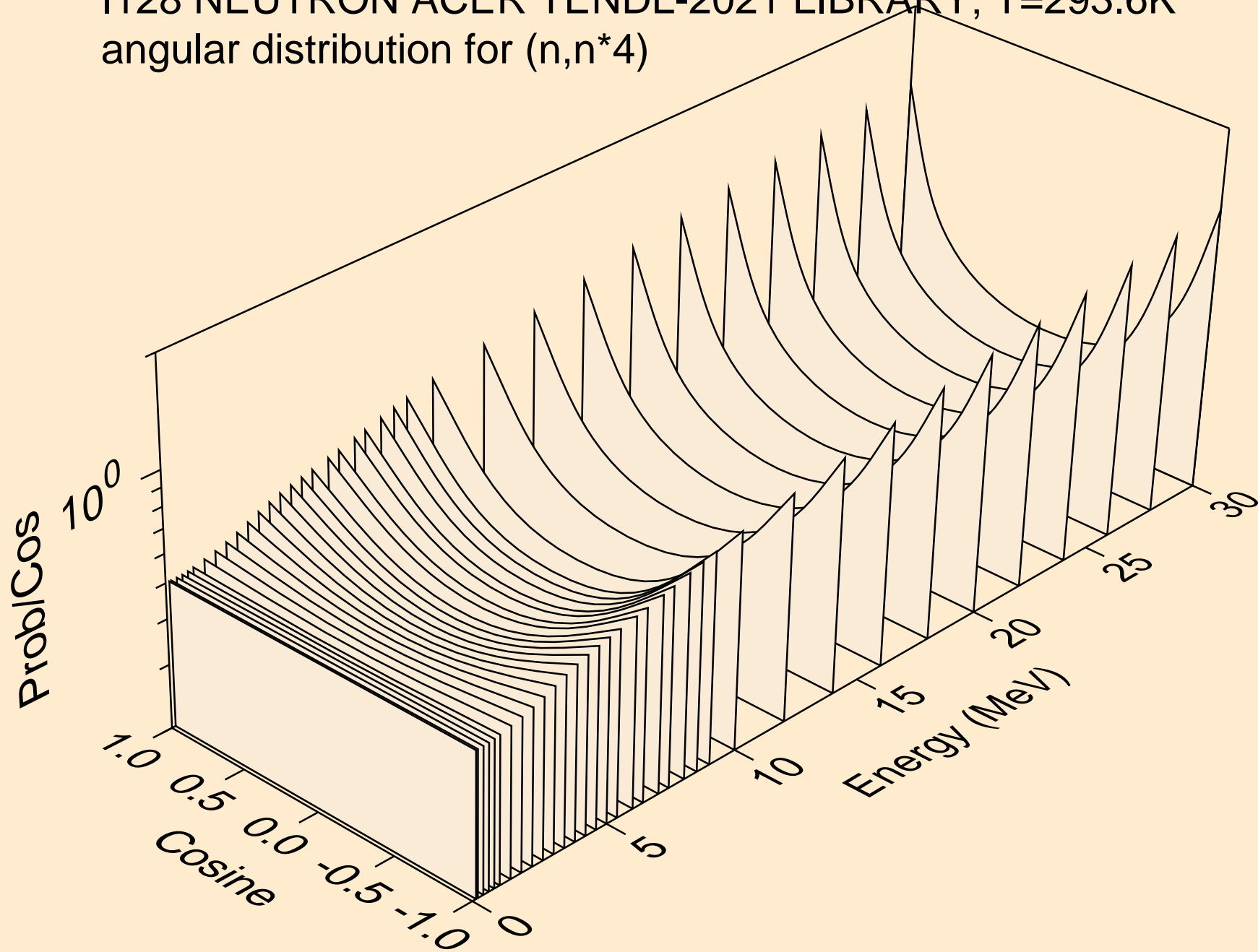
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angular distribution for (n,n\*2)



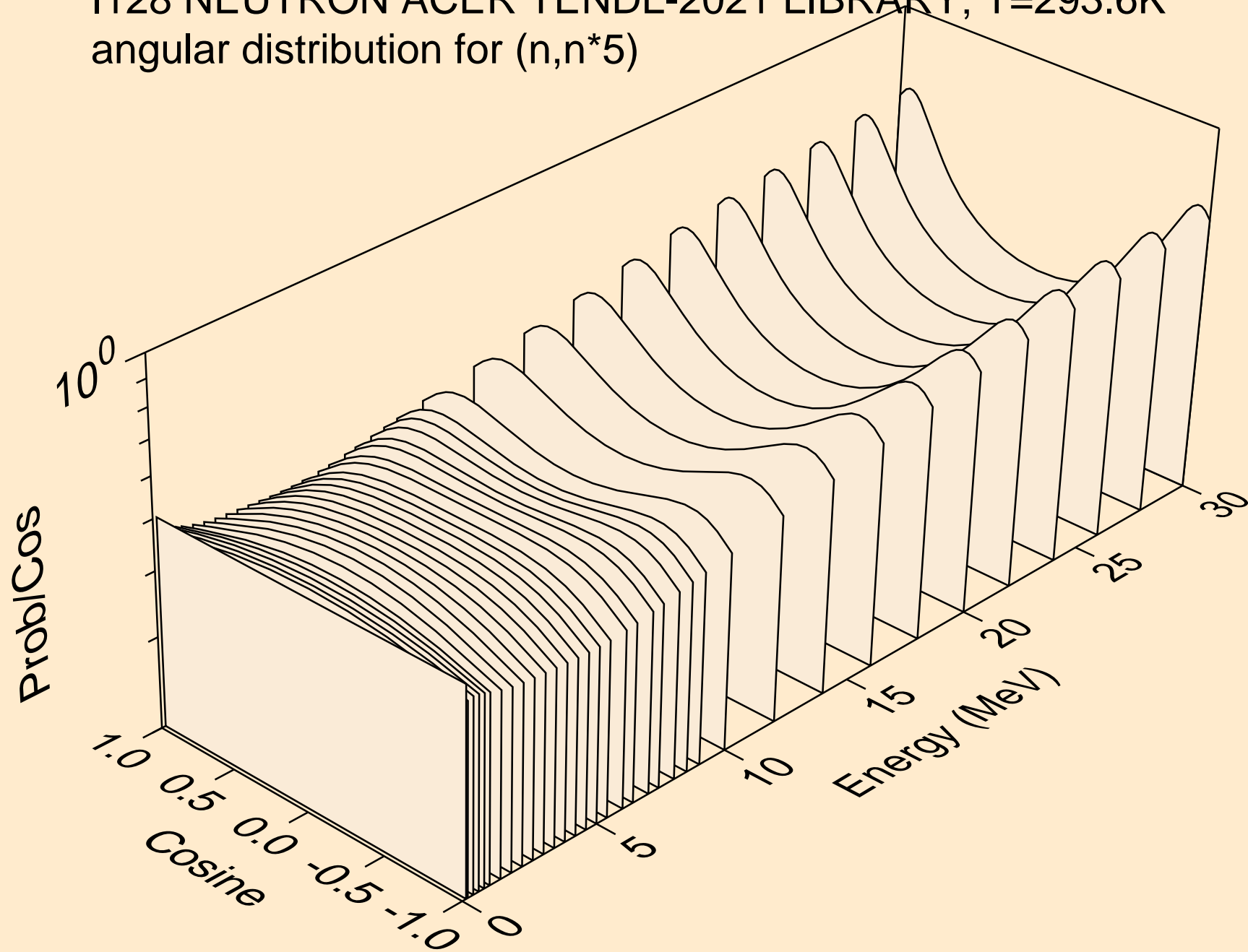
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angular distribution for (n,n\*3)



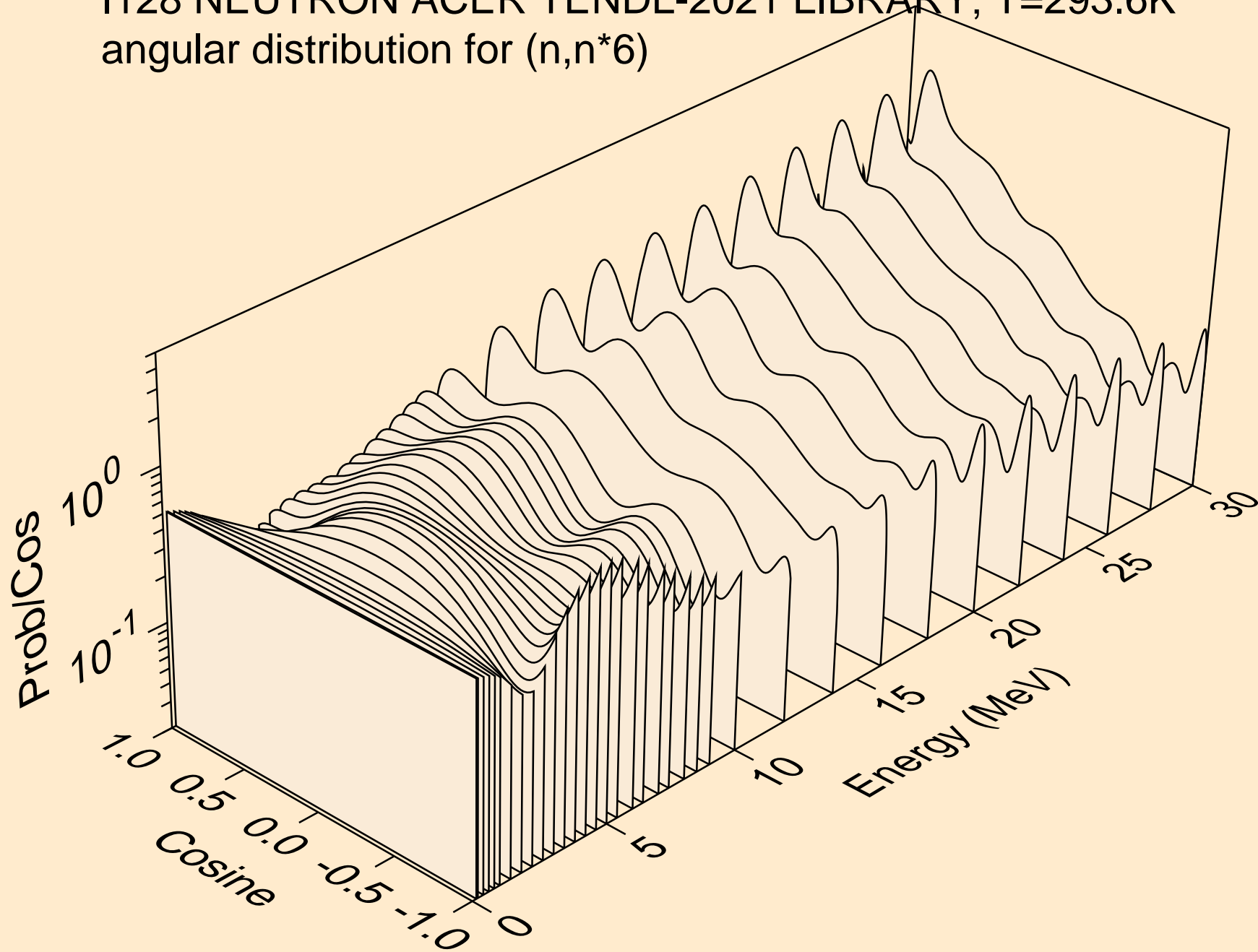
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angular distribution for (n,n\*4)



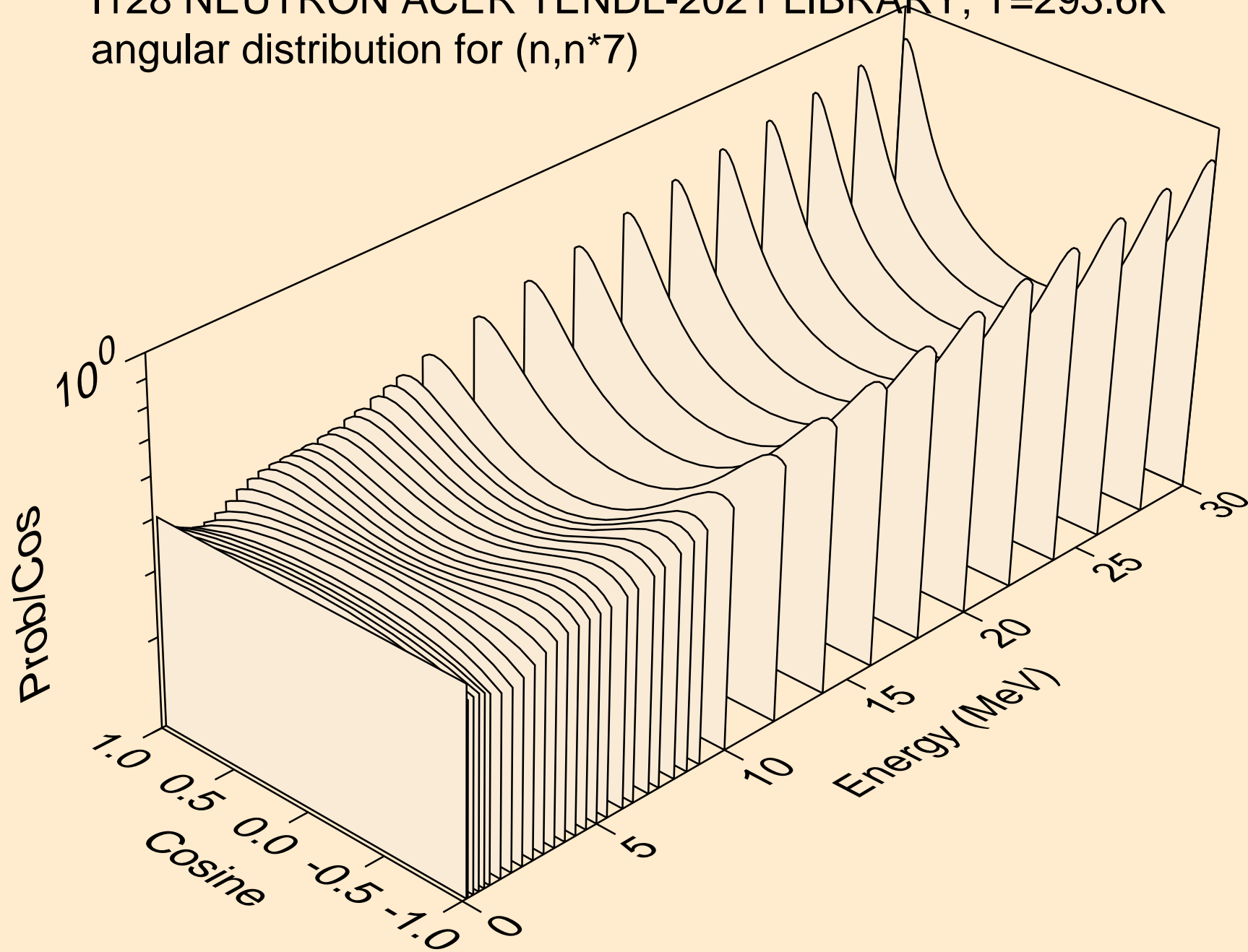
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*5)



I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)

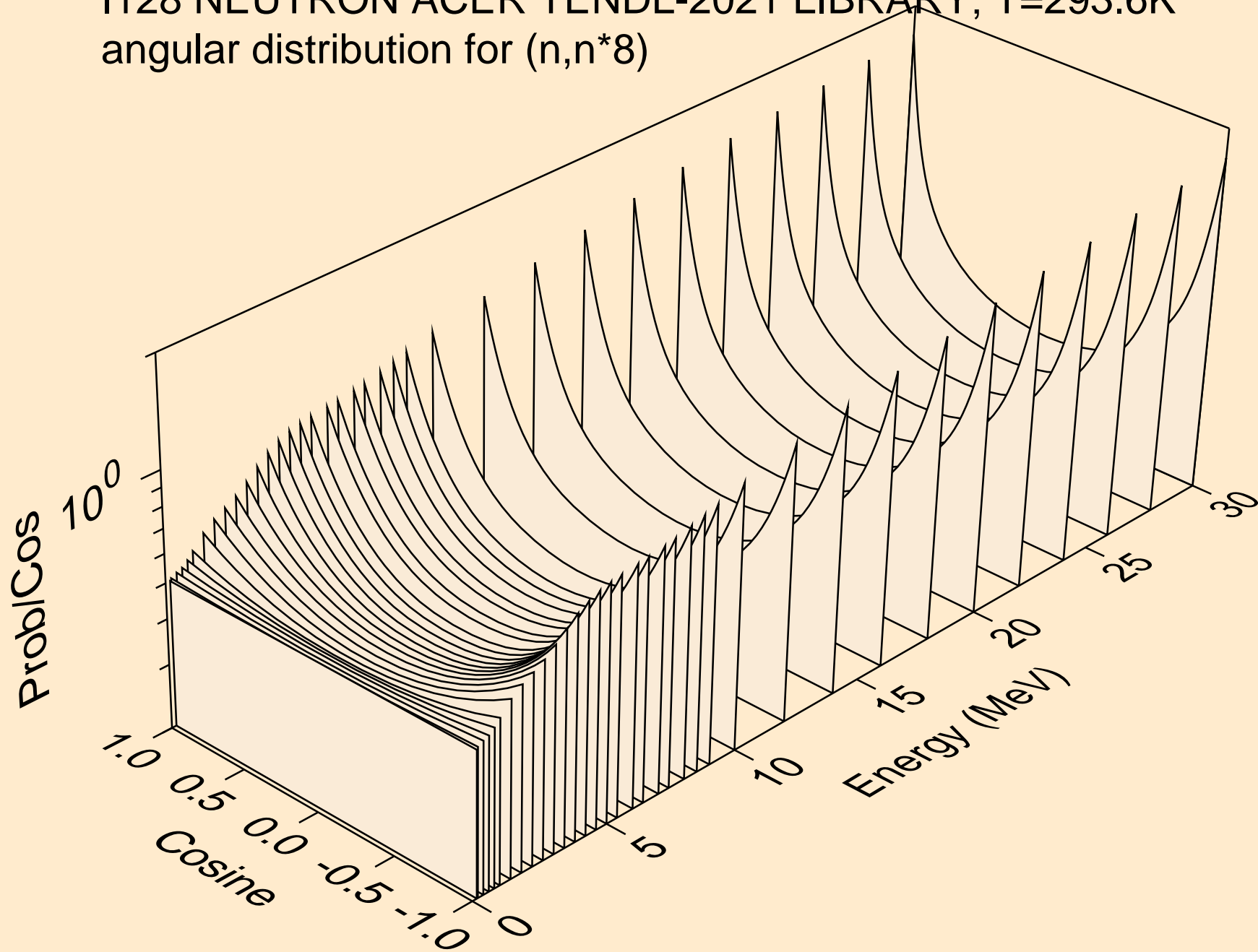


I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*7)

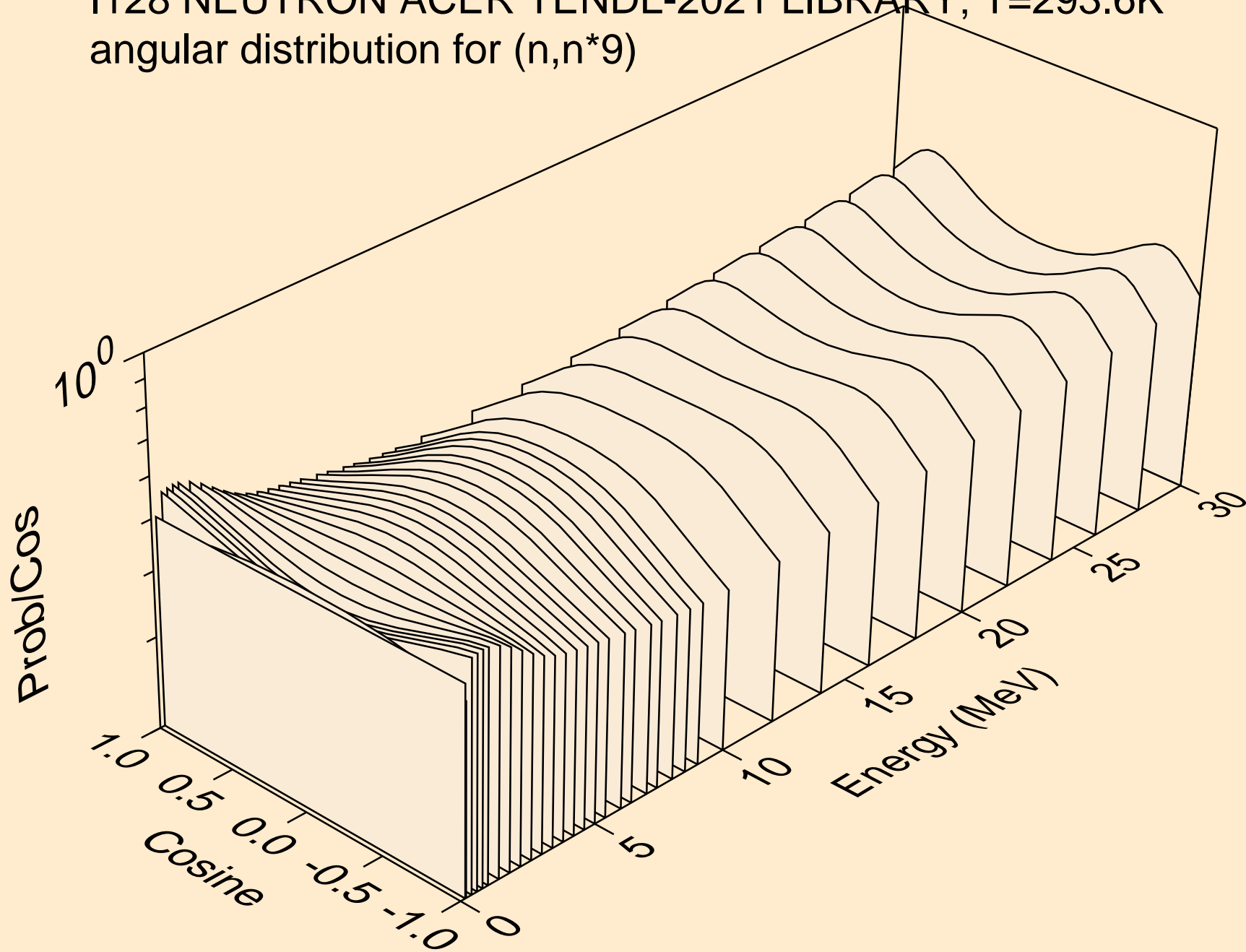




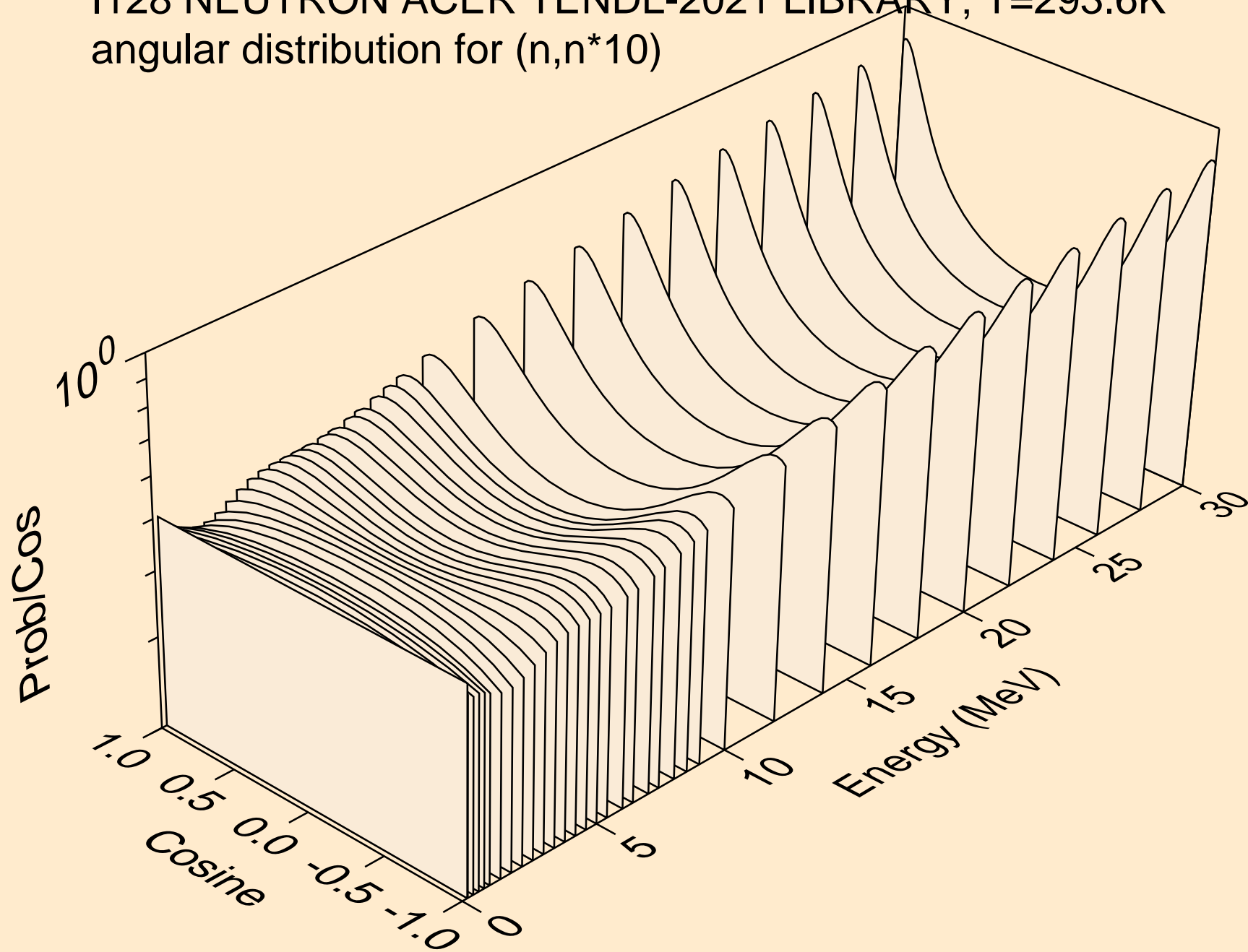
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angular distribution for (n,n\*8)



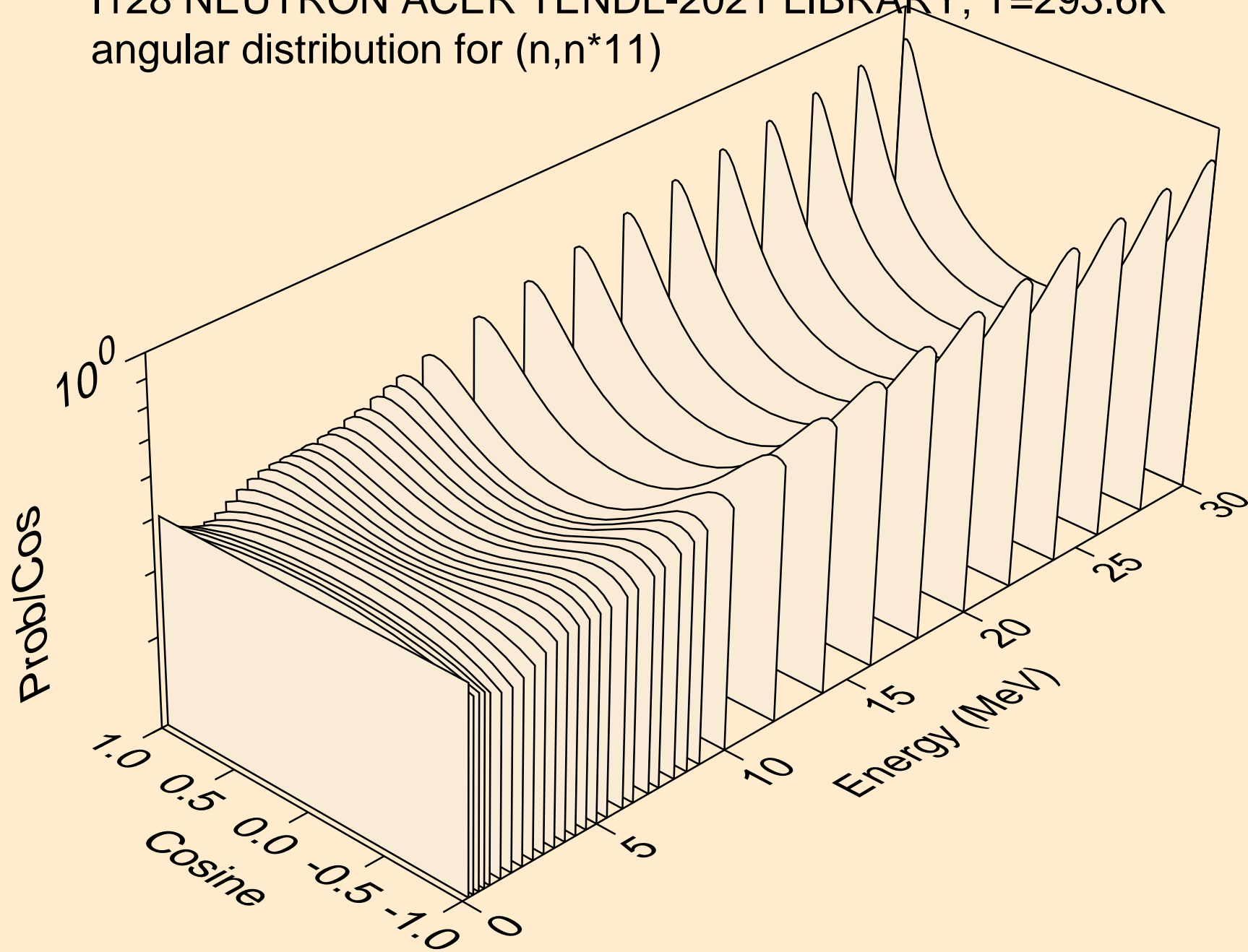
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*9)



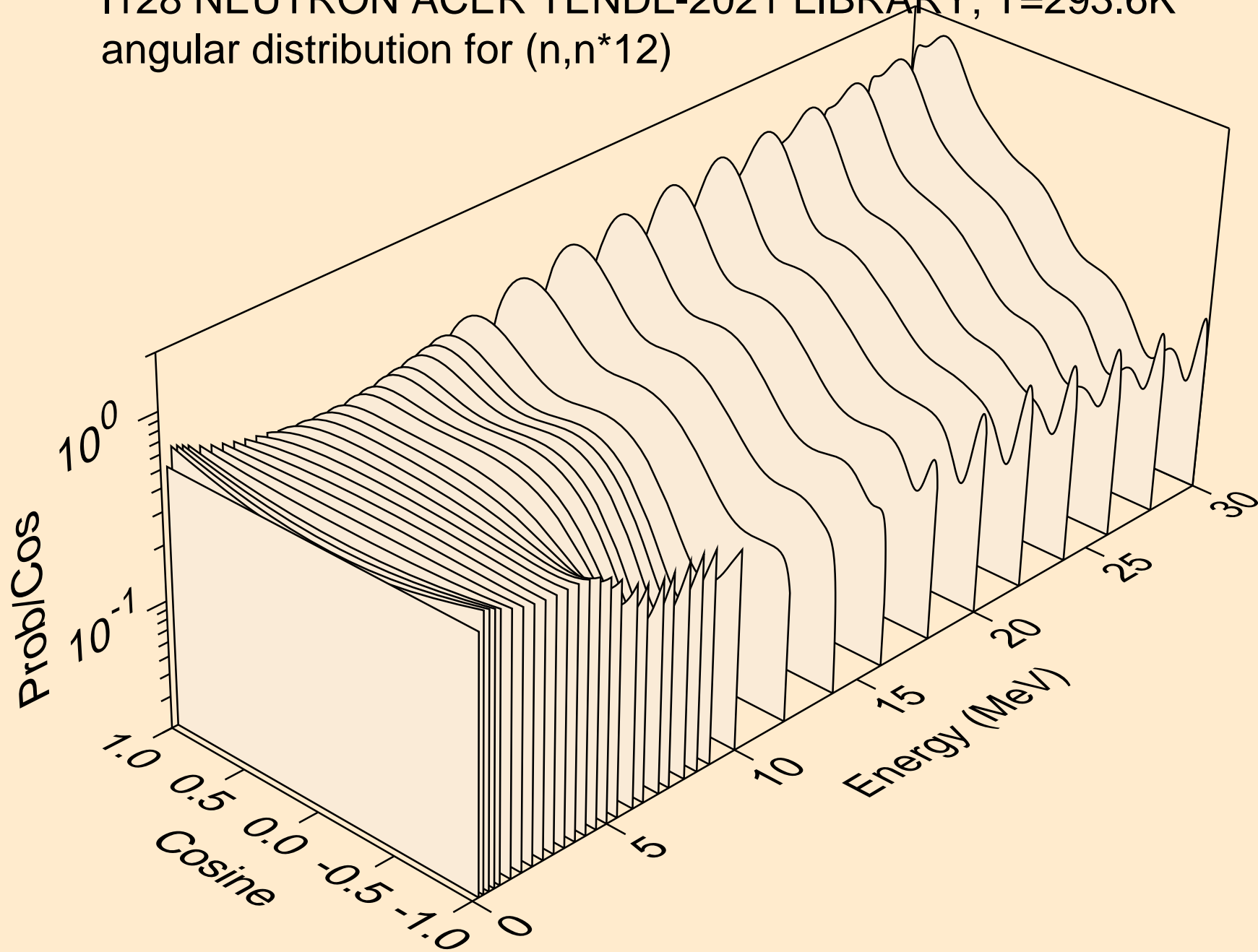
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angular distribution for (n,n\*10)



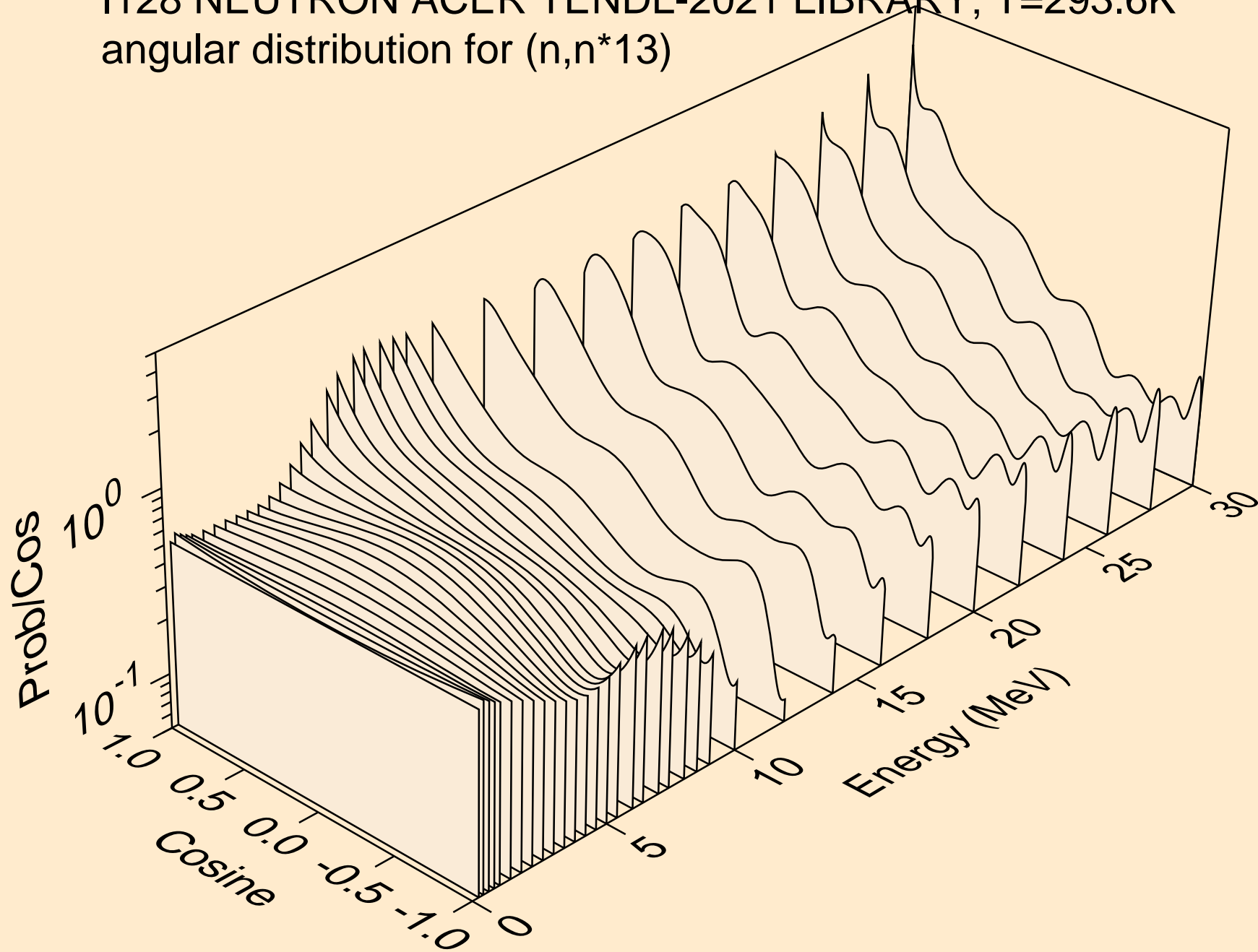
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angular distribution for (n,n\*11)



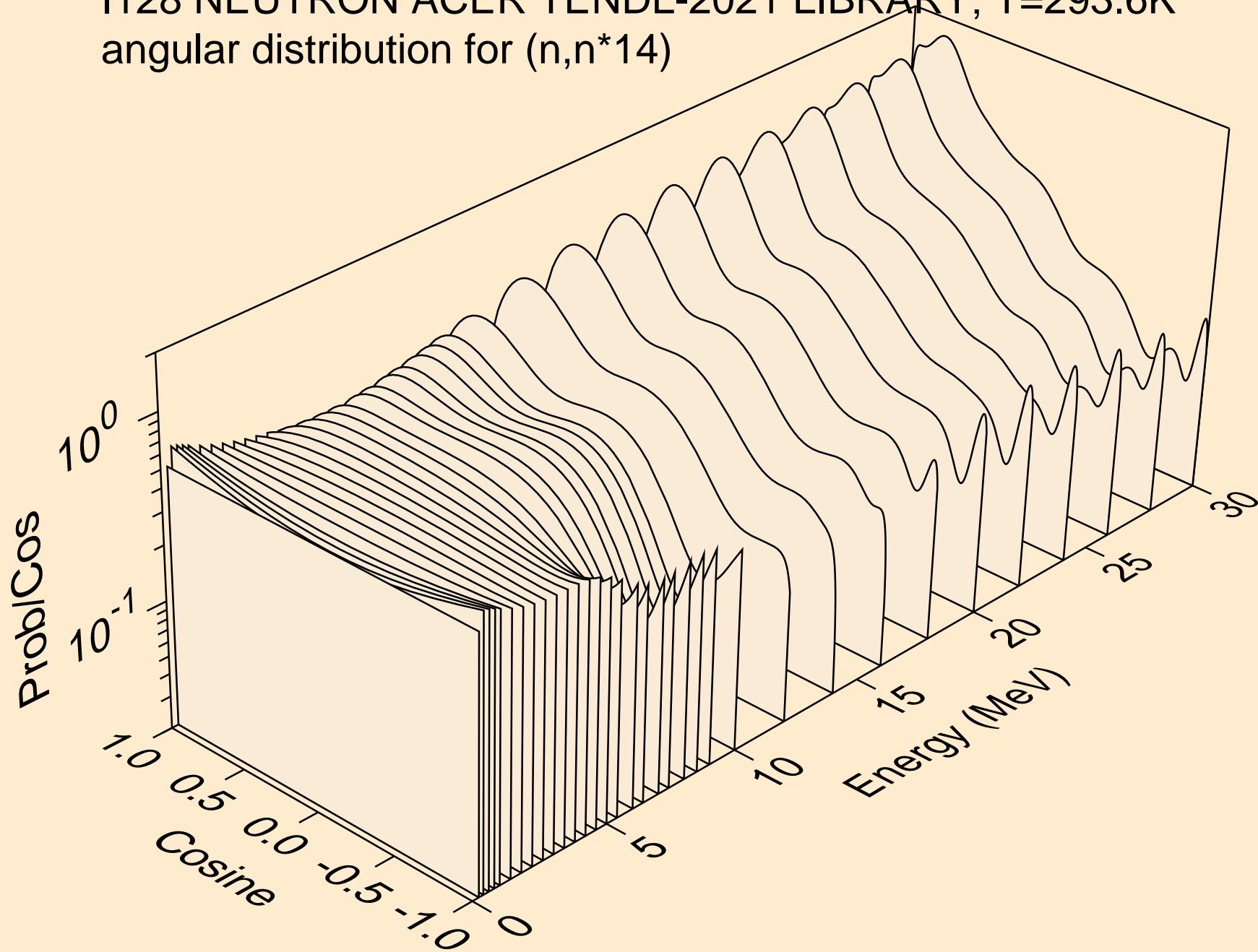
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angular distribution for (n,n\*12)



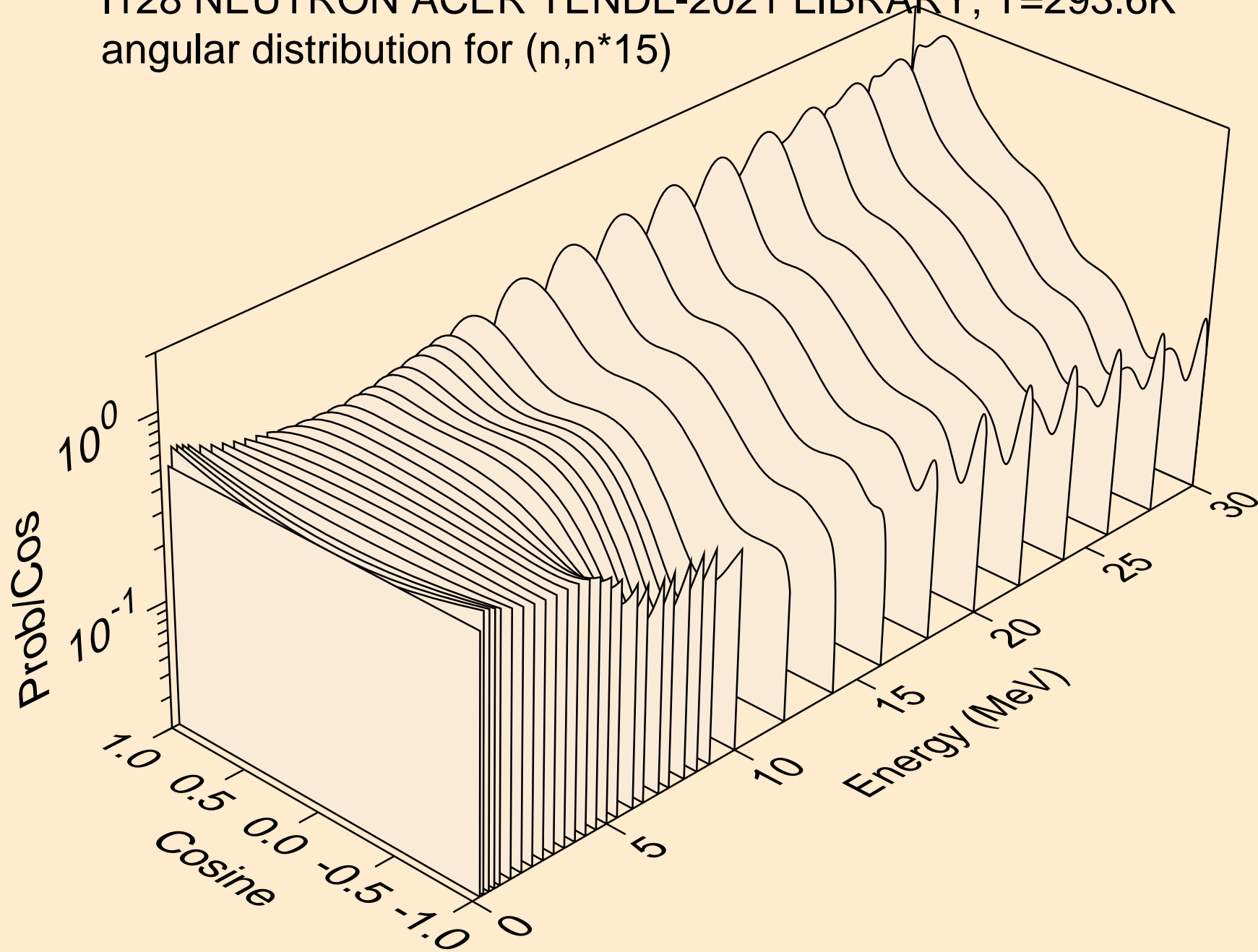
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*13)



I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*14)

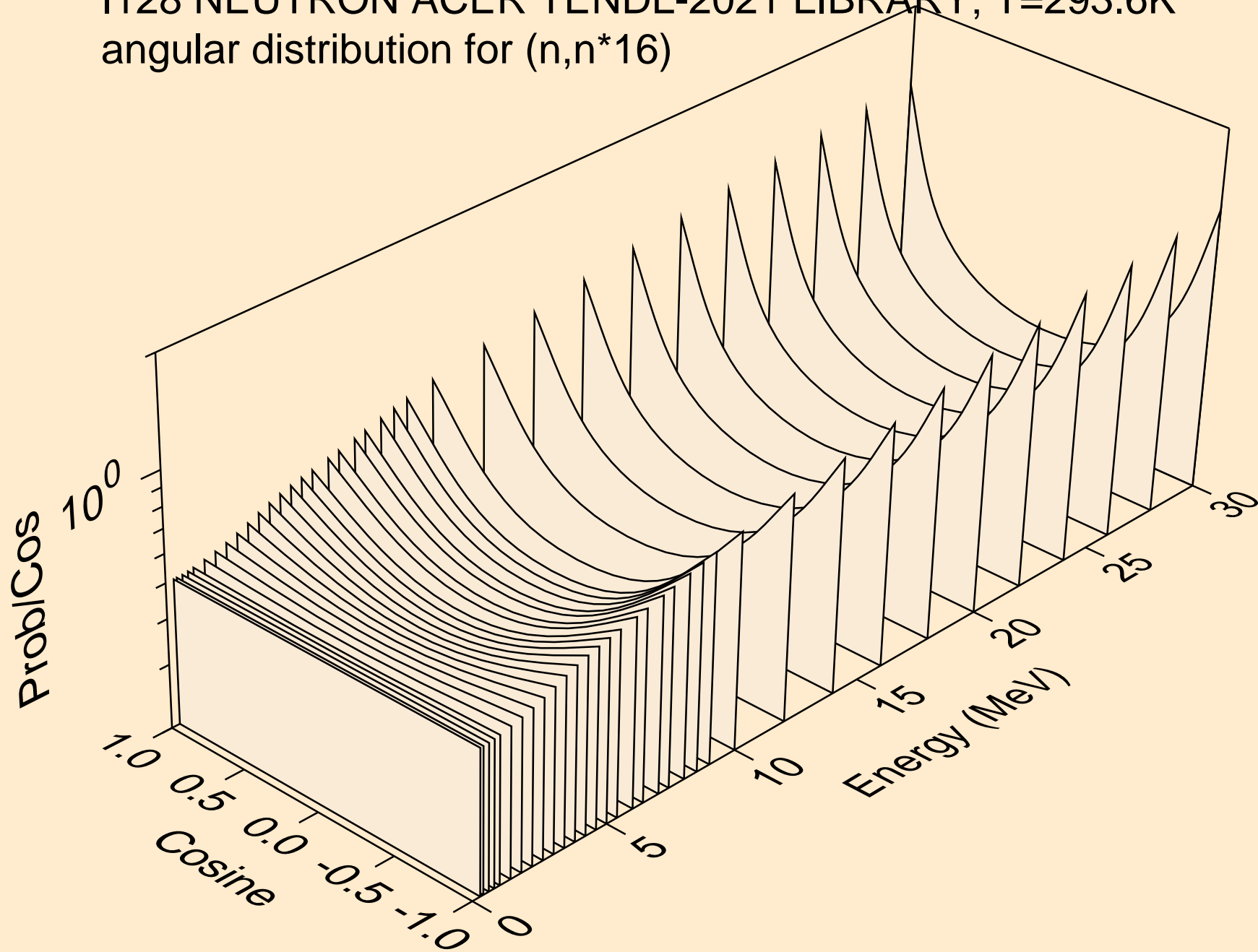


I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*15)

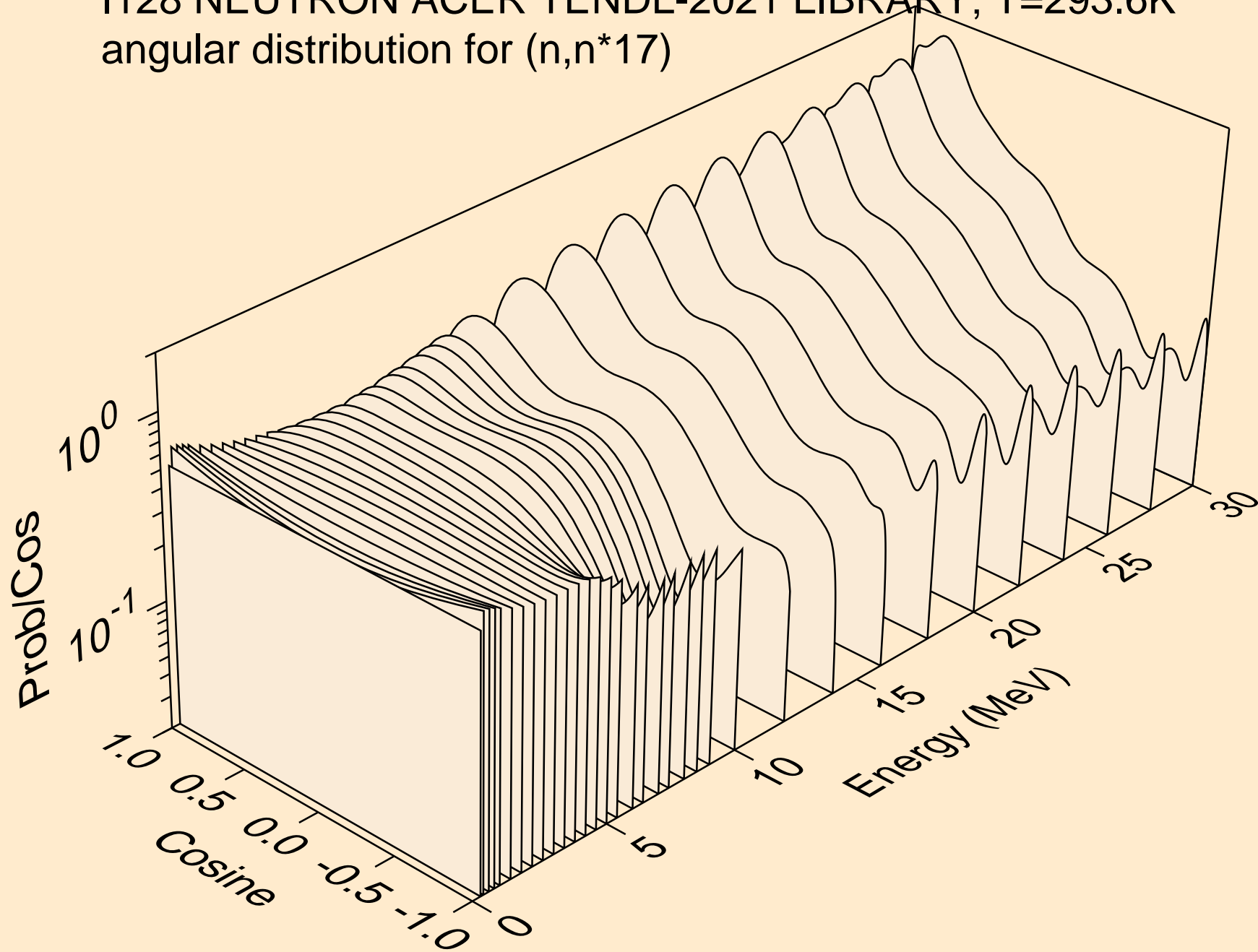




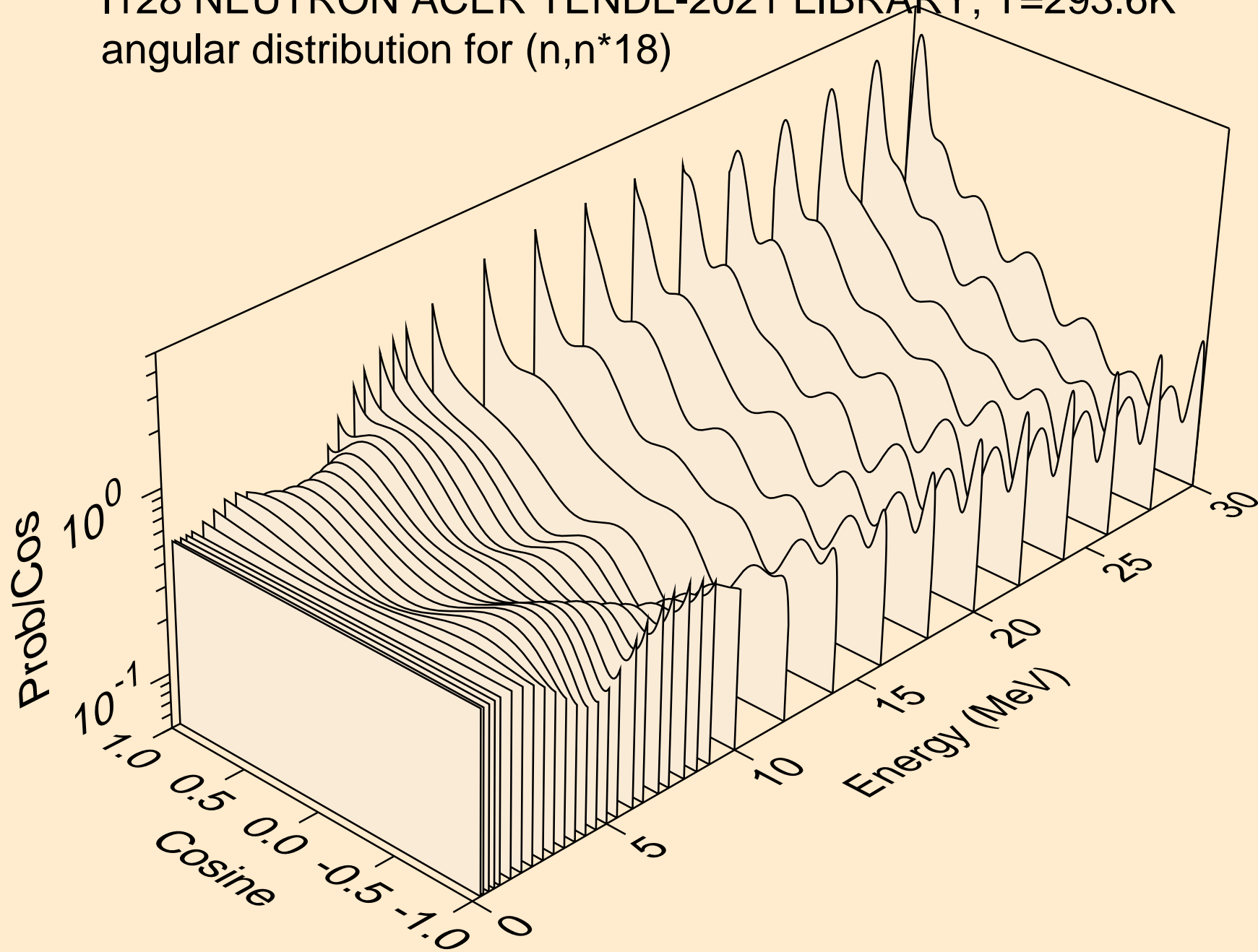
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angular distribution for (n,n\*16)



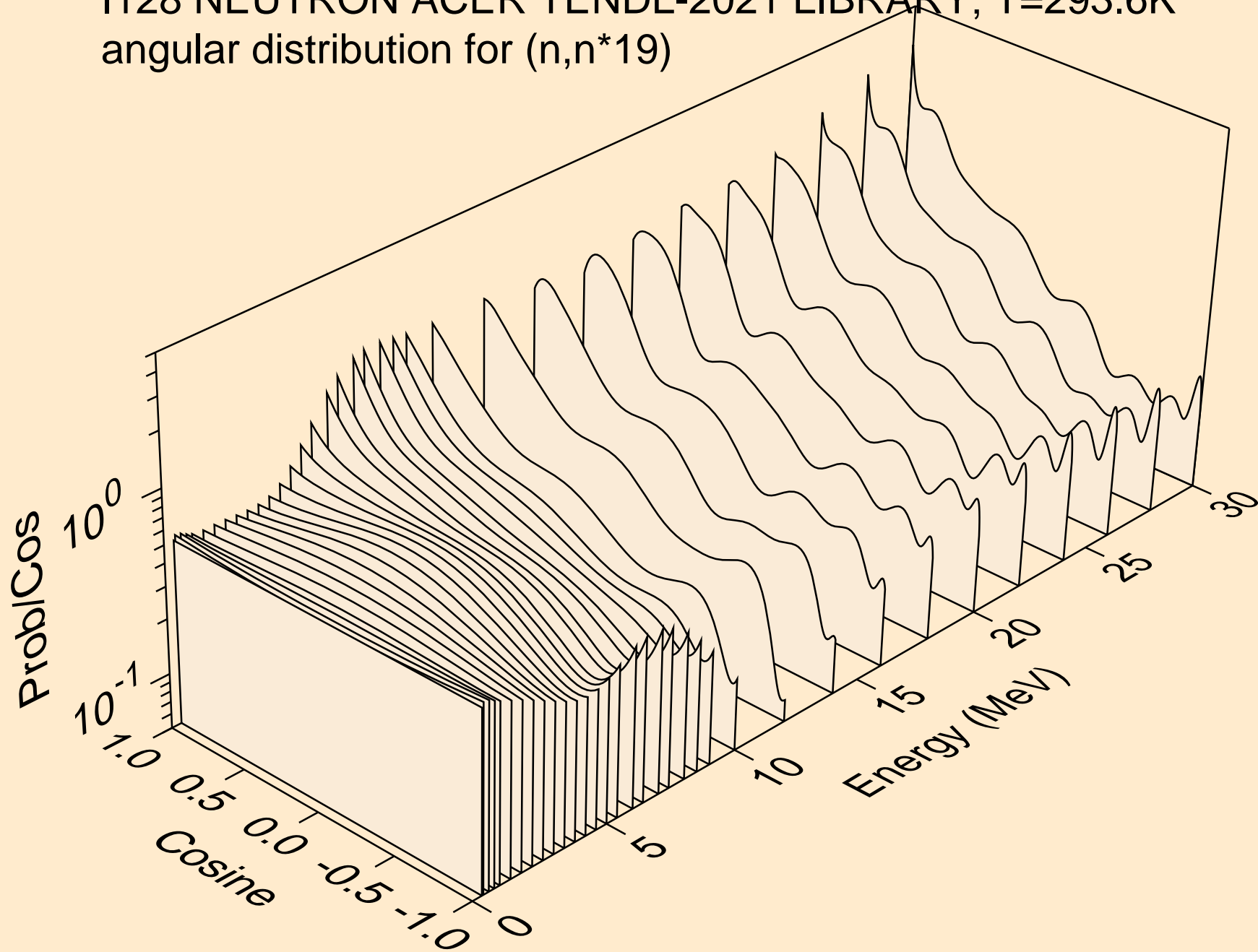
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angular distribution for (n,n\*17)



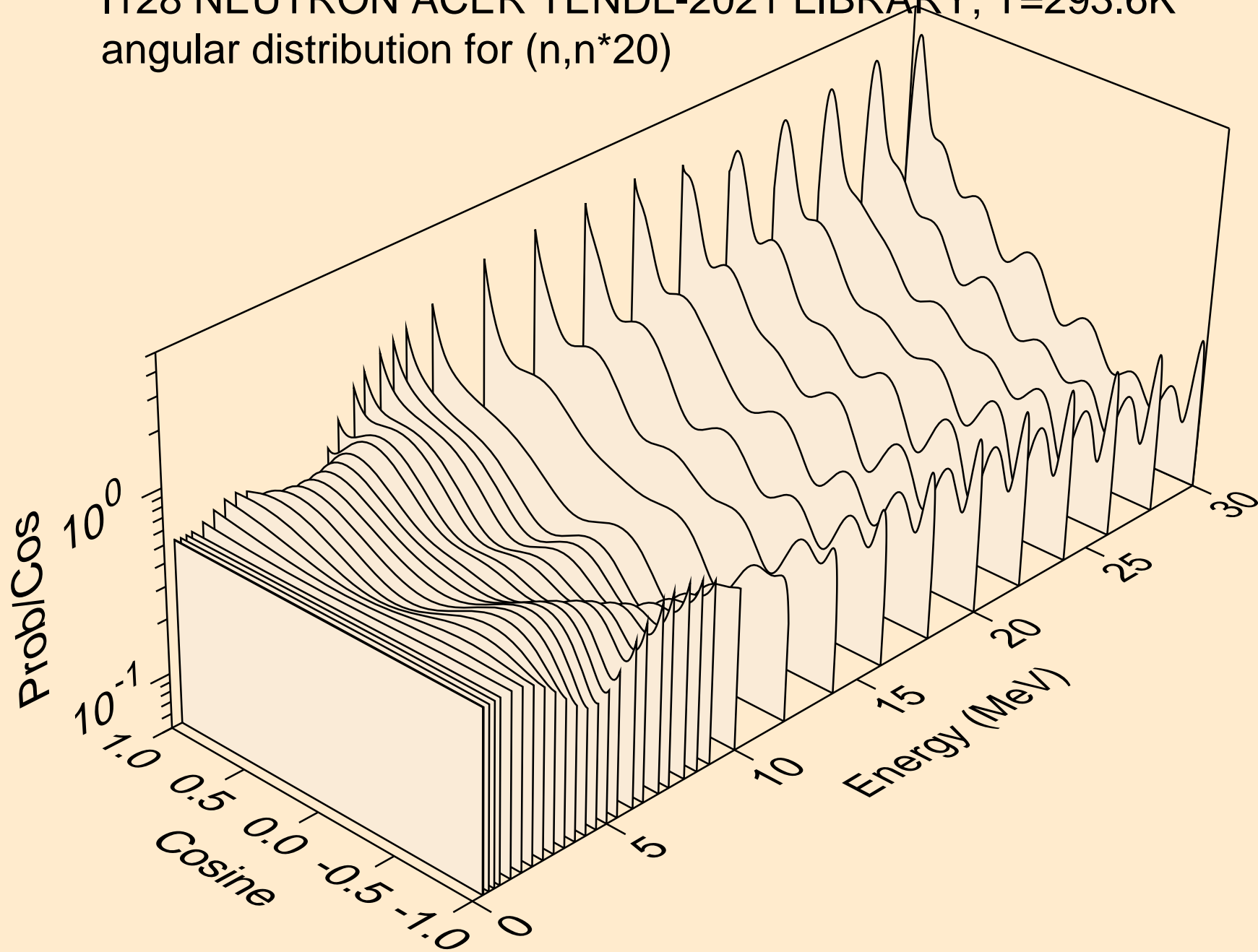
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angular distribution for (n,n\*18)



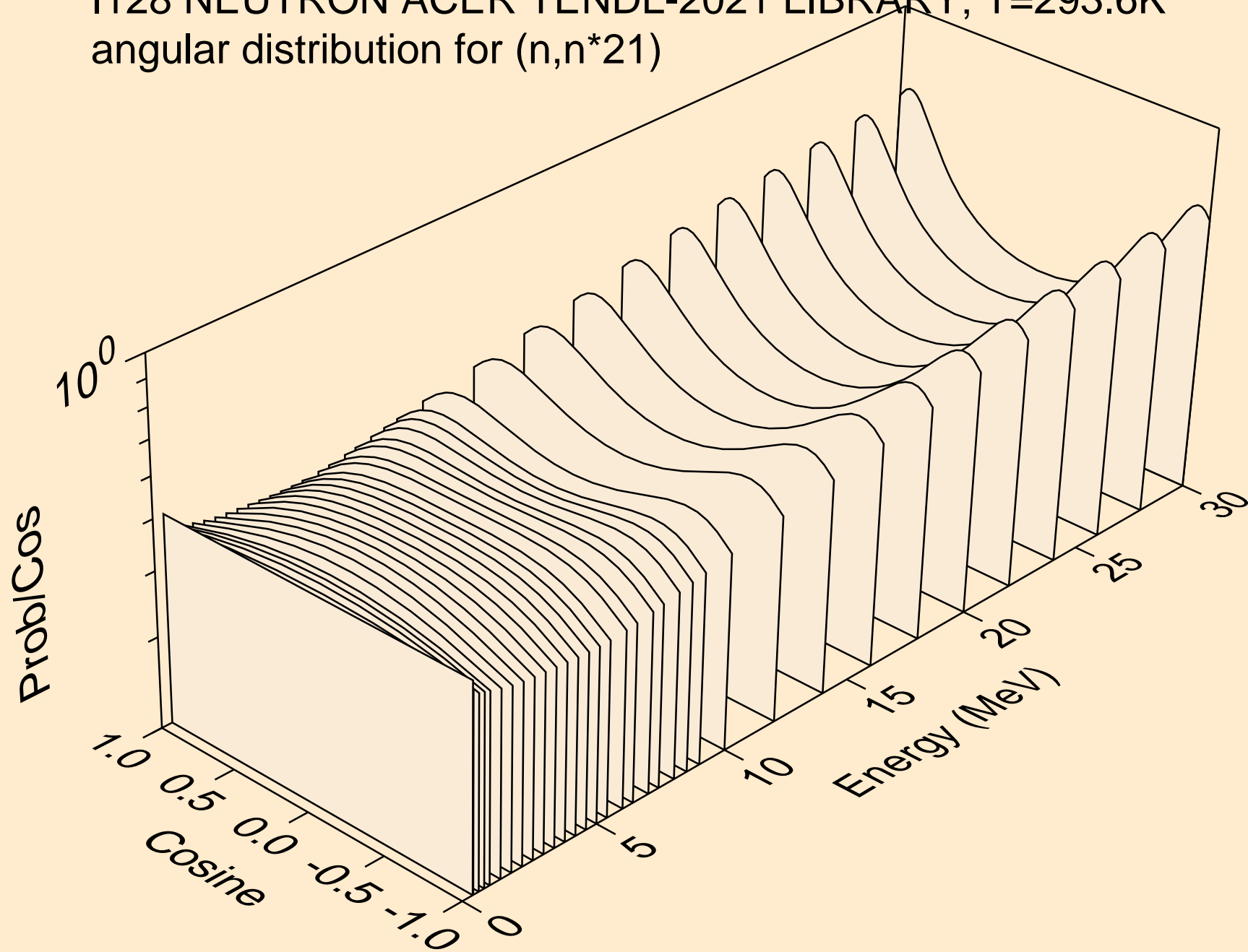
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angular distribution for (n,n\*19)



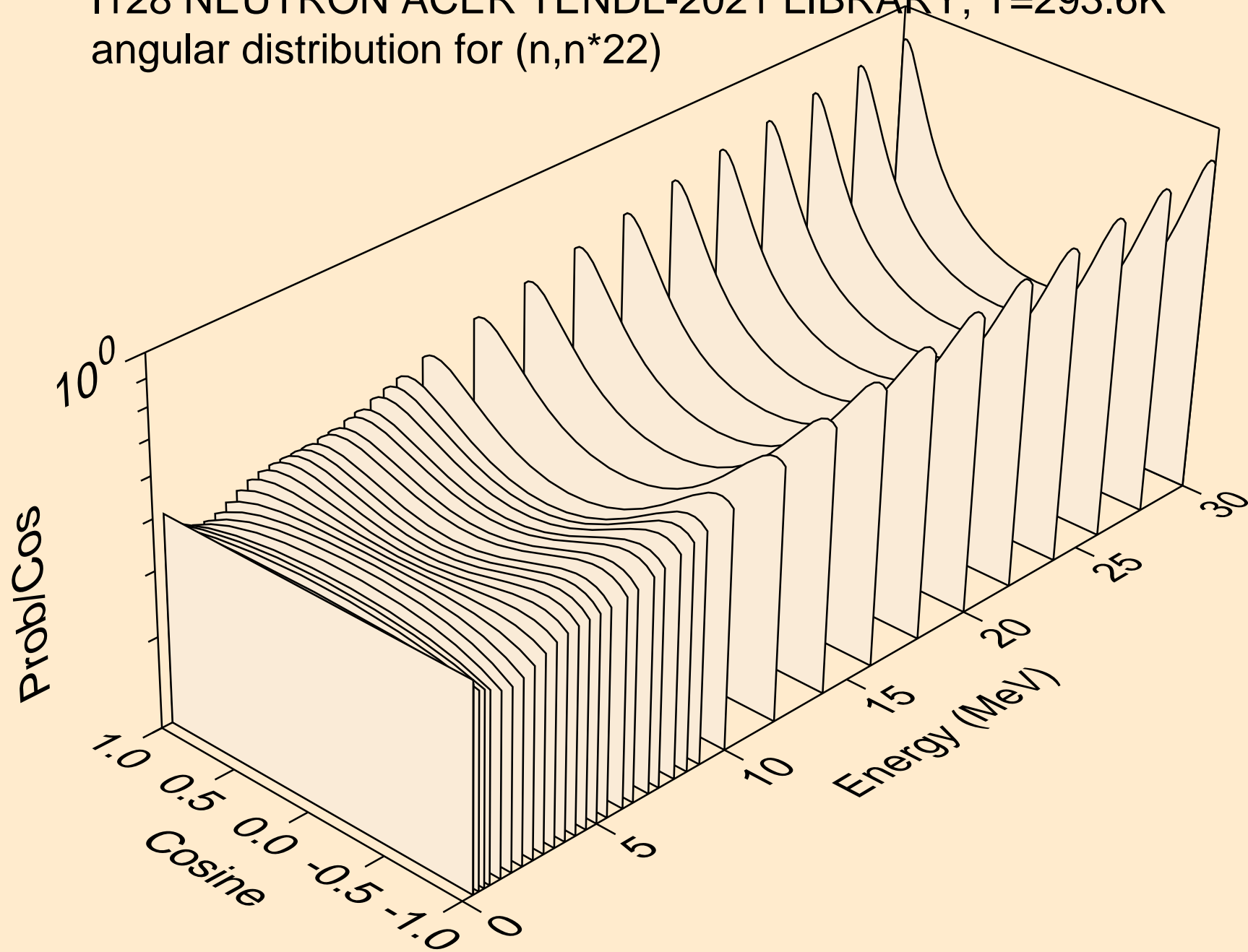
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angular distribution for (n,n\*20)



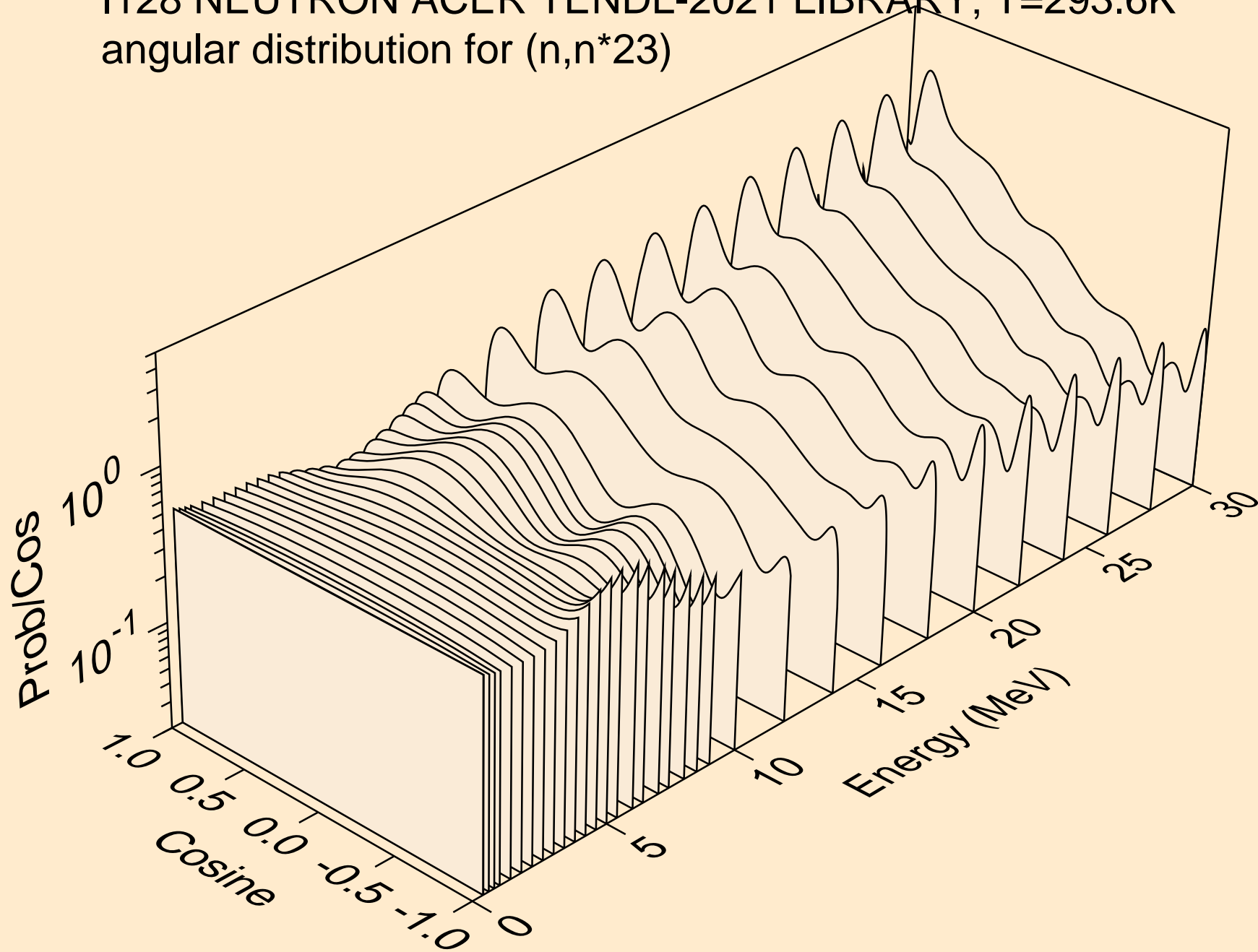
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*21)



I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*22)

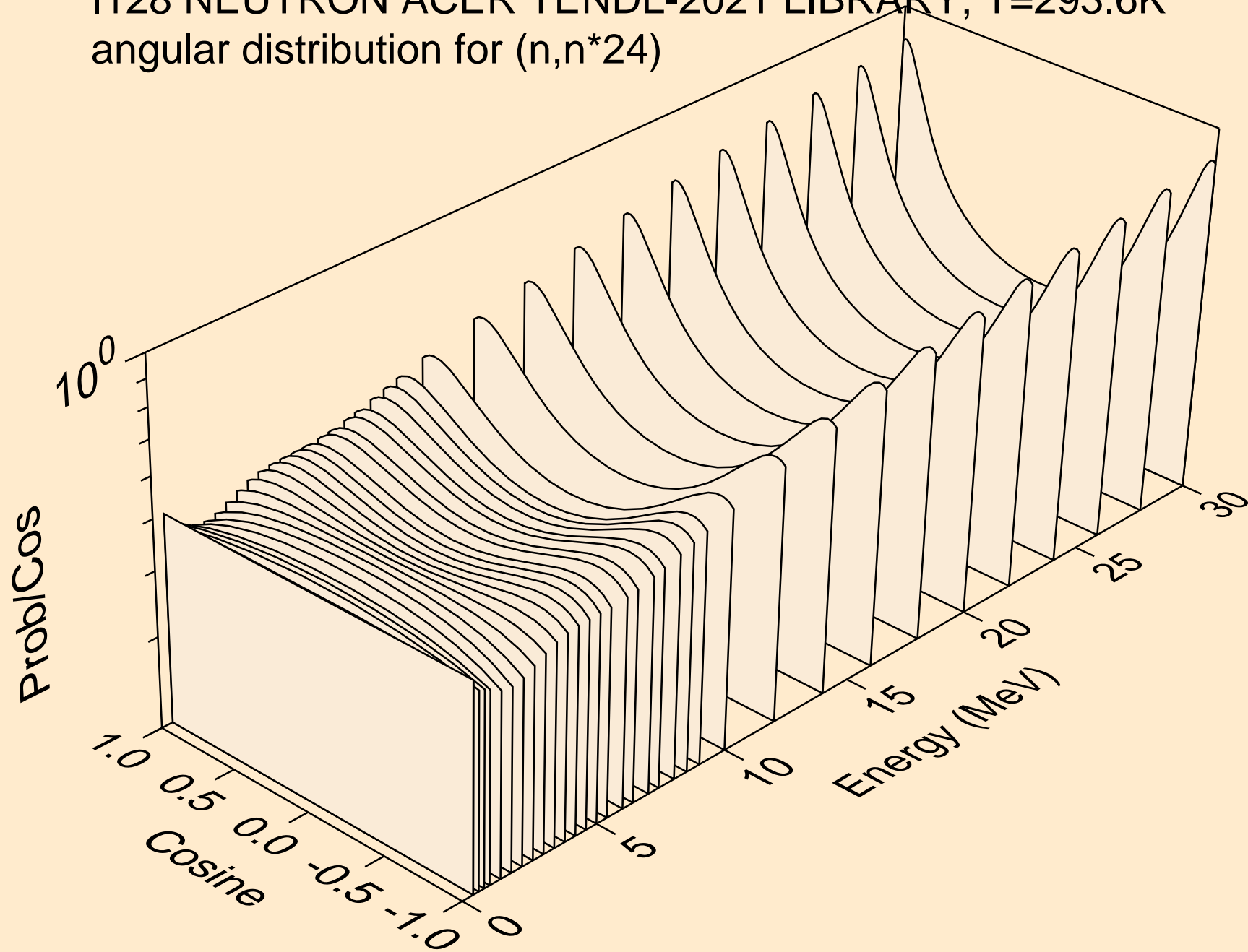


I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*23)

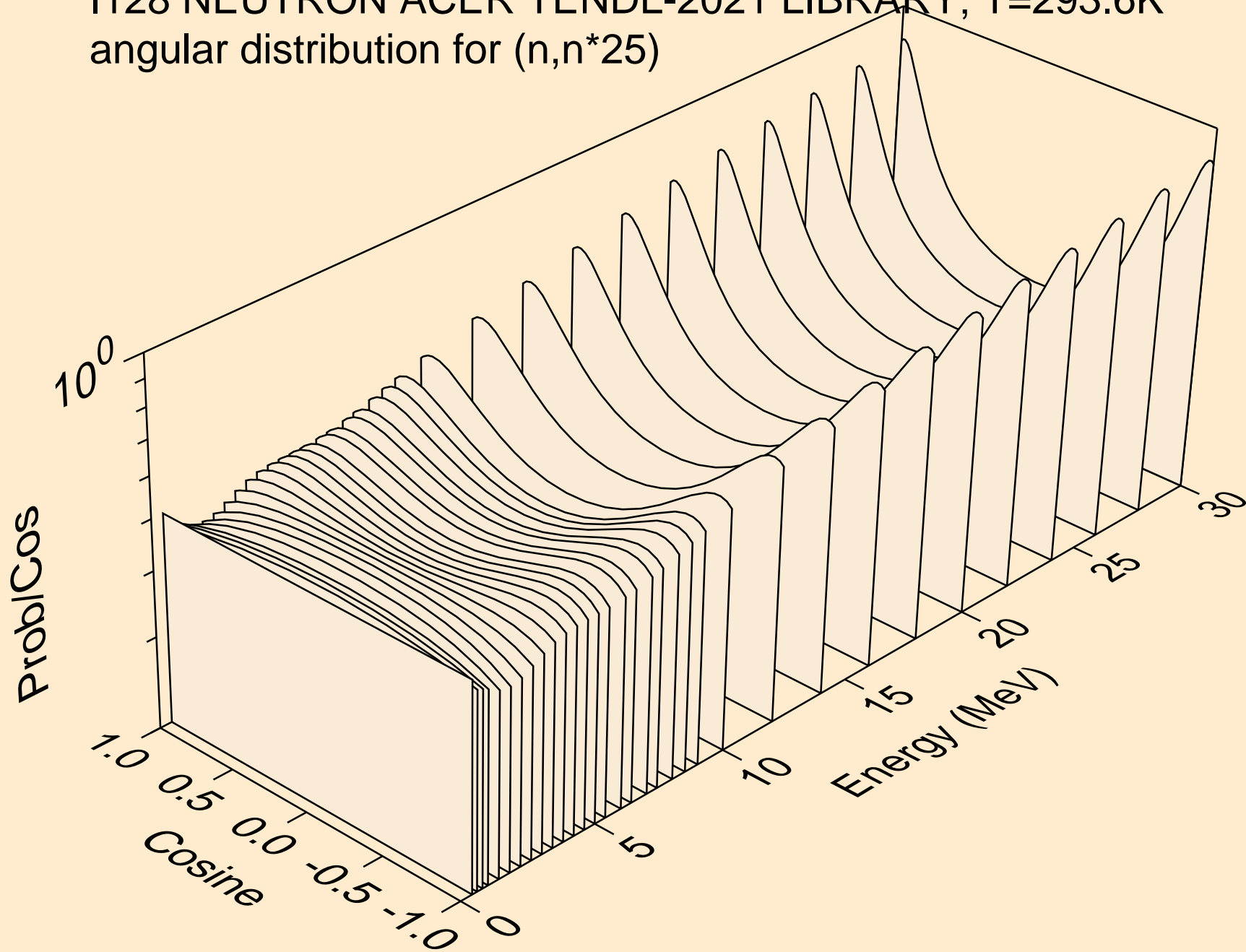




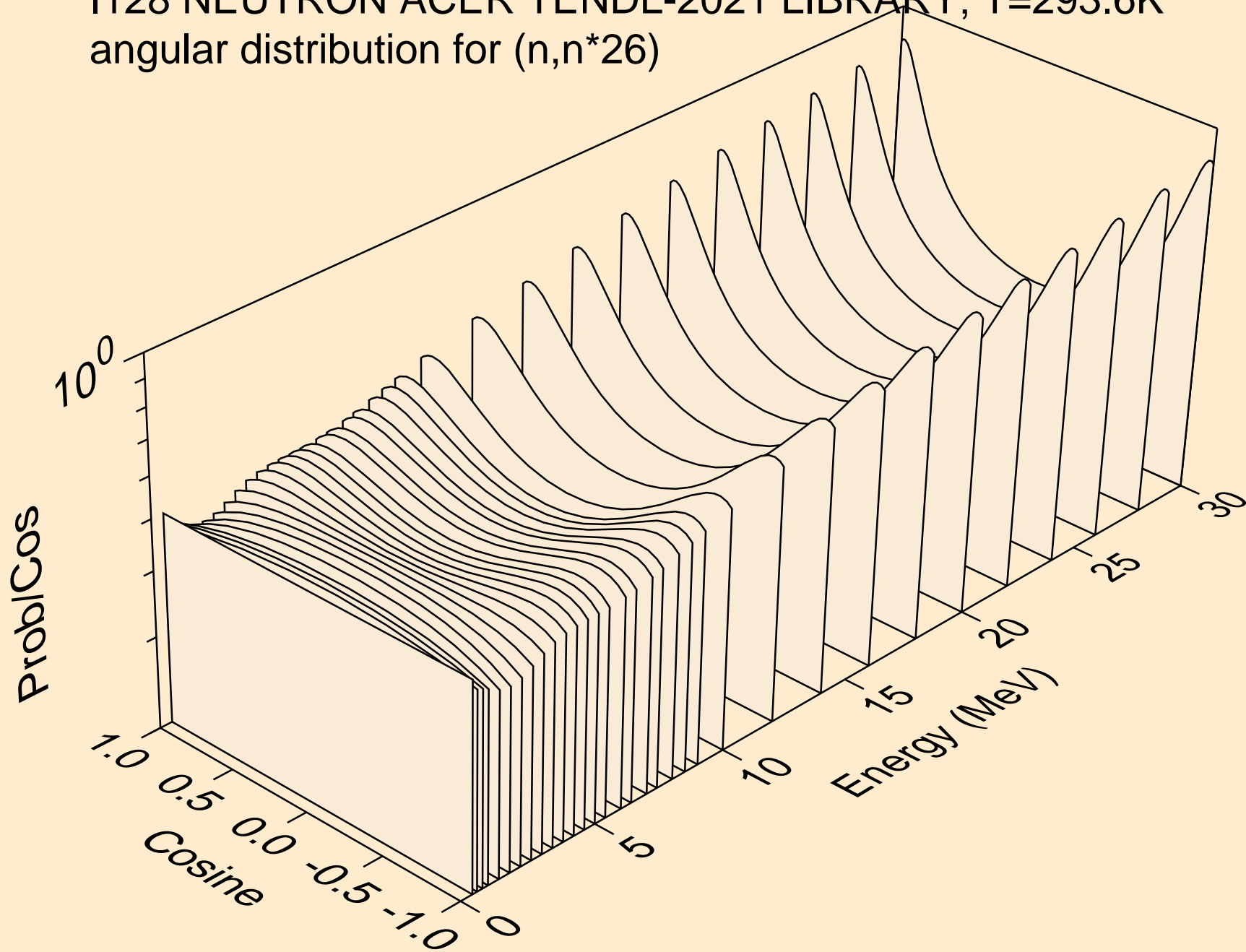
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angular distribution for (n,n\*24)



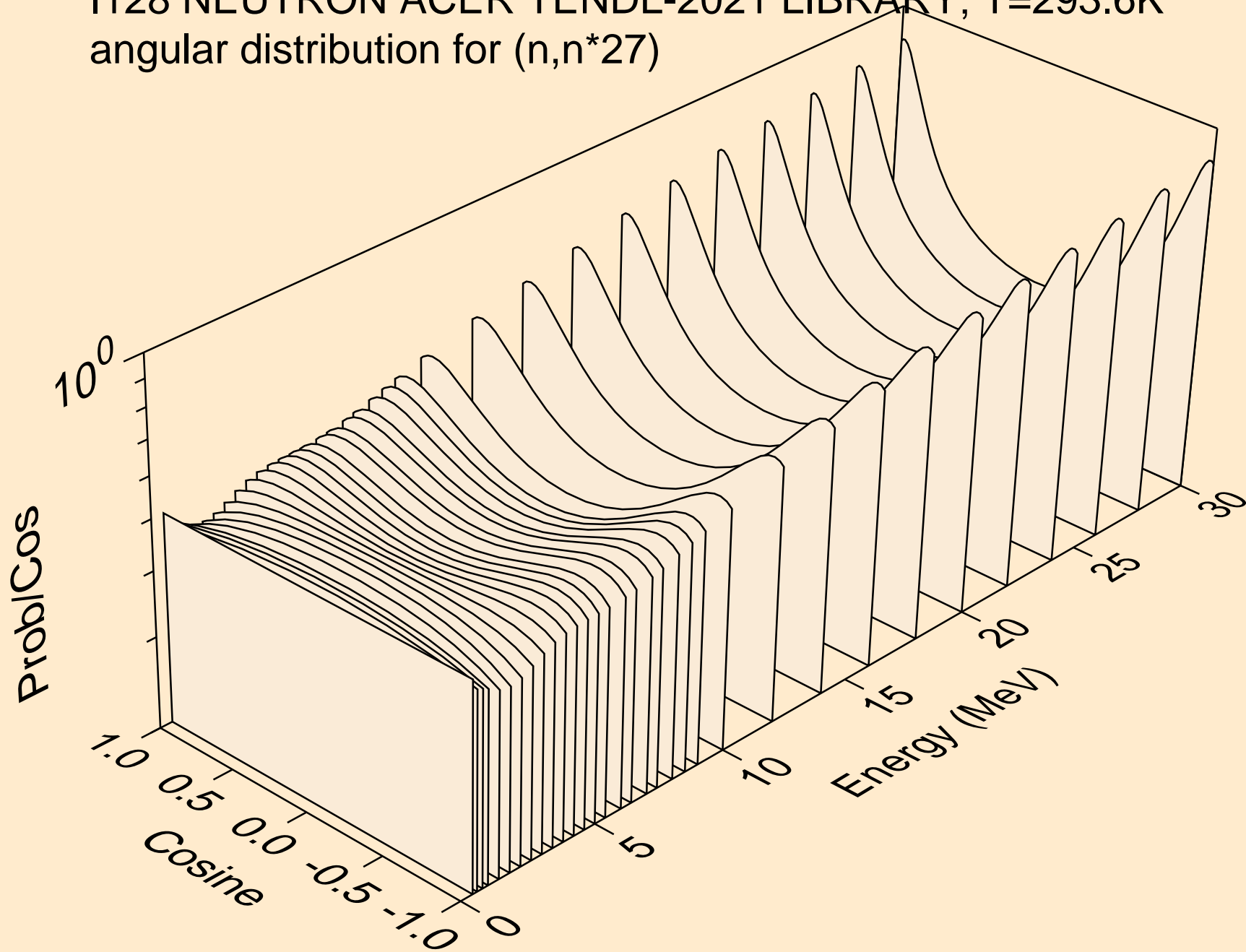
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angular distribution for (n,n\*25)



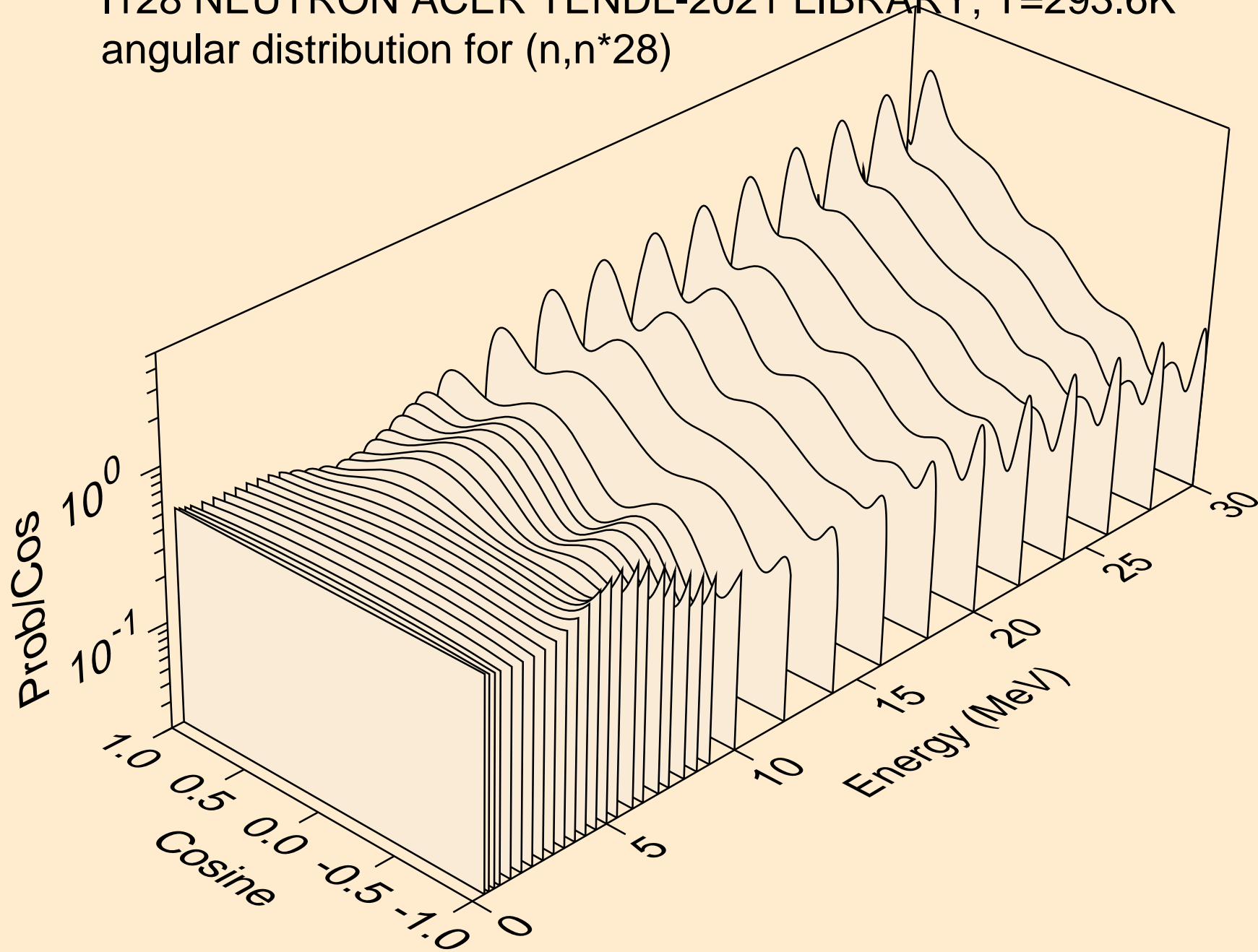
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angular distribution for (n,n\*26)



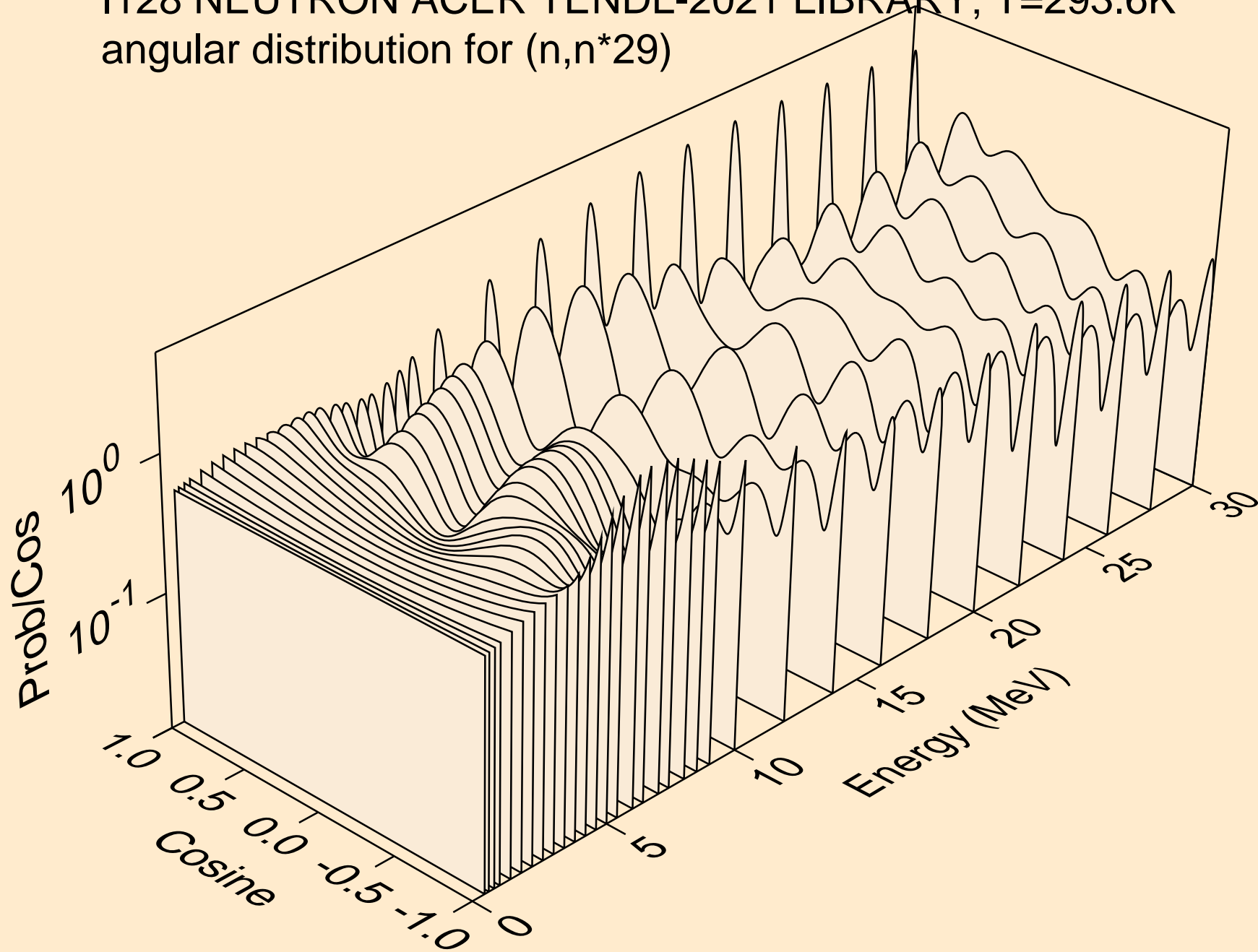
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*27)



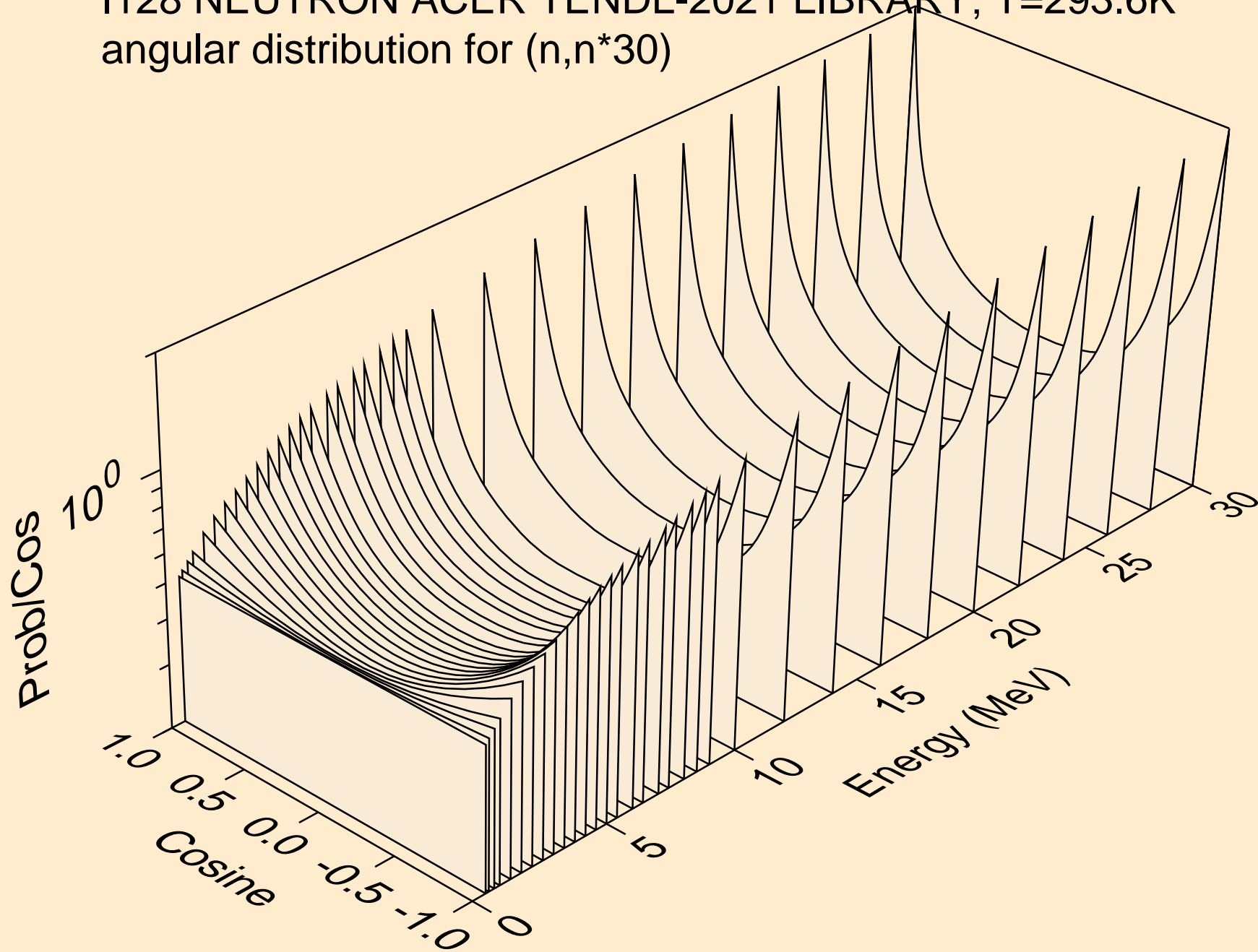
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*28)



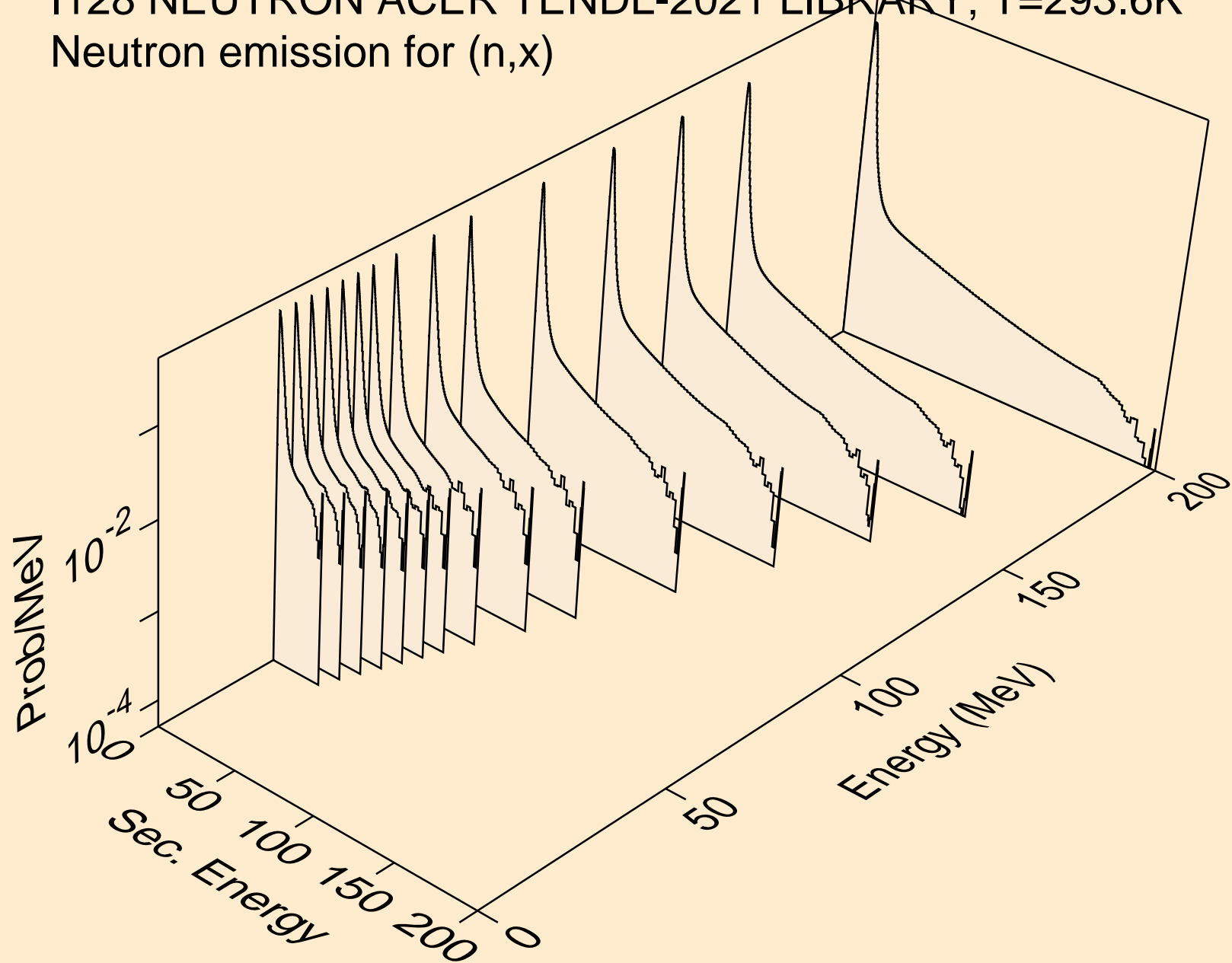
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*29)



I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*30)

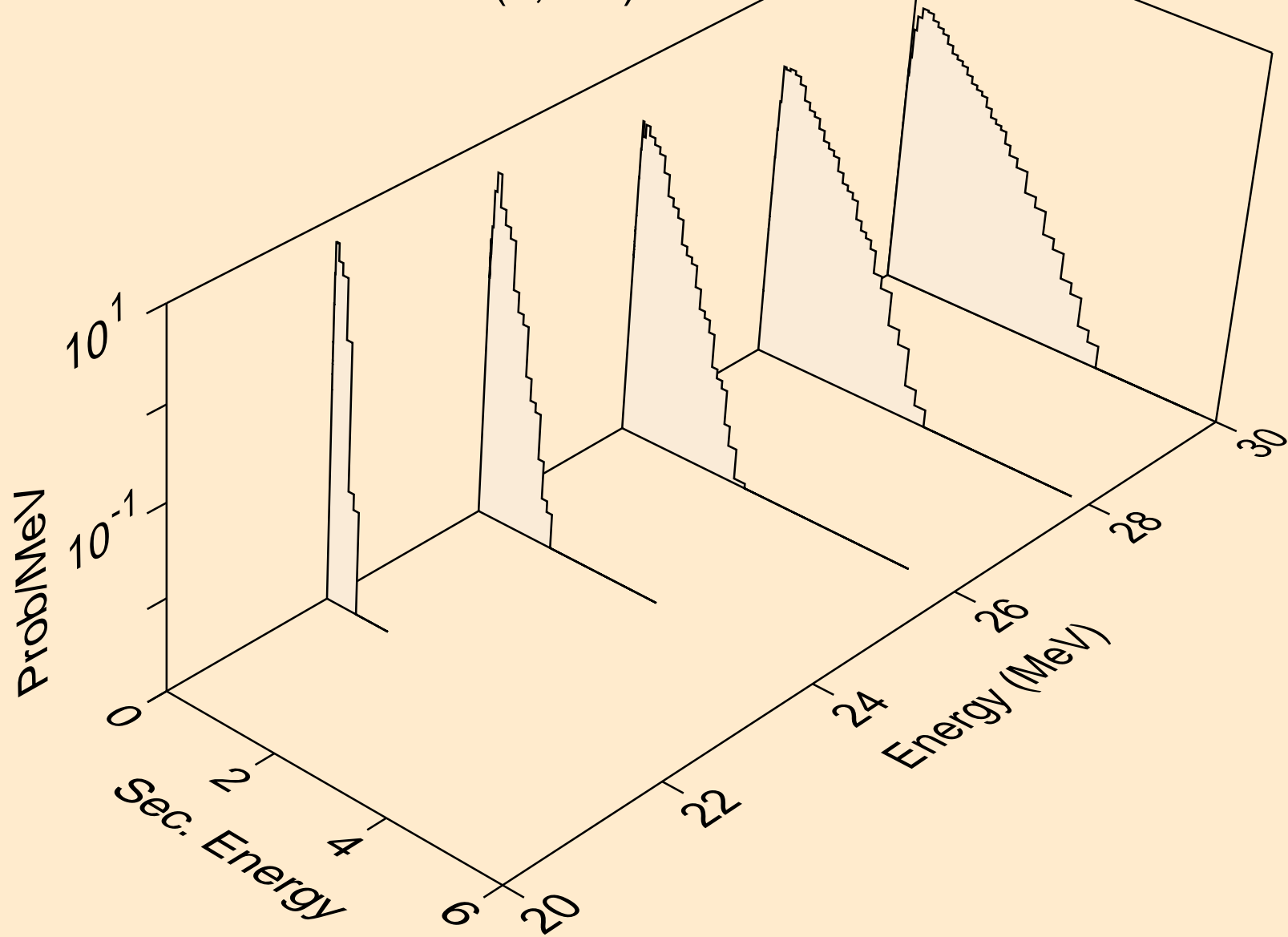


I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)

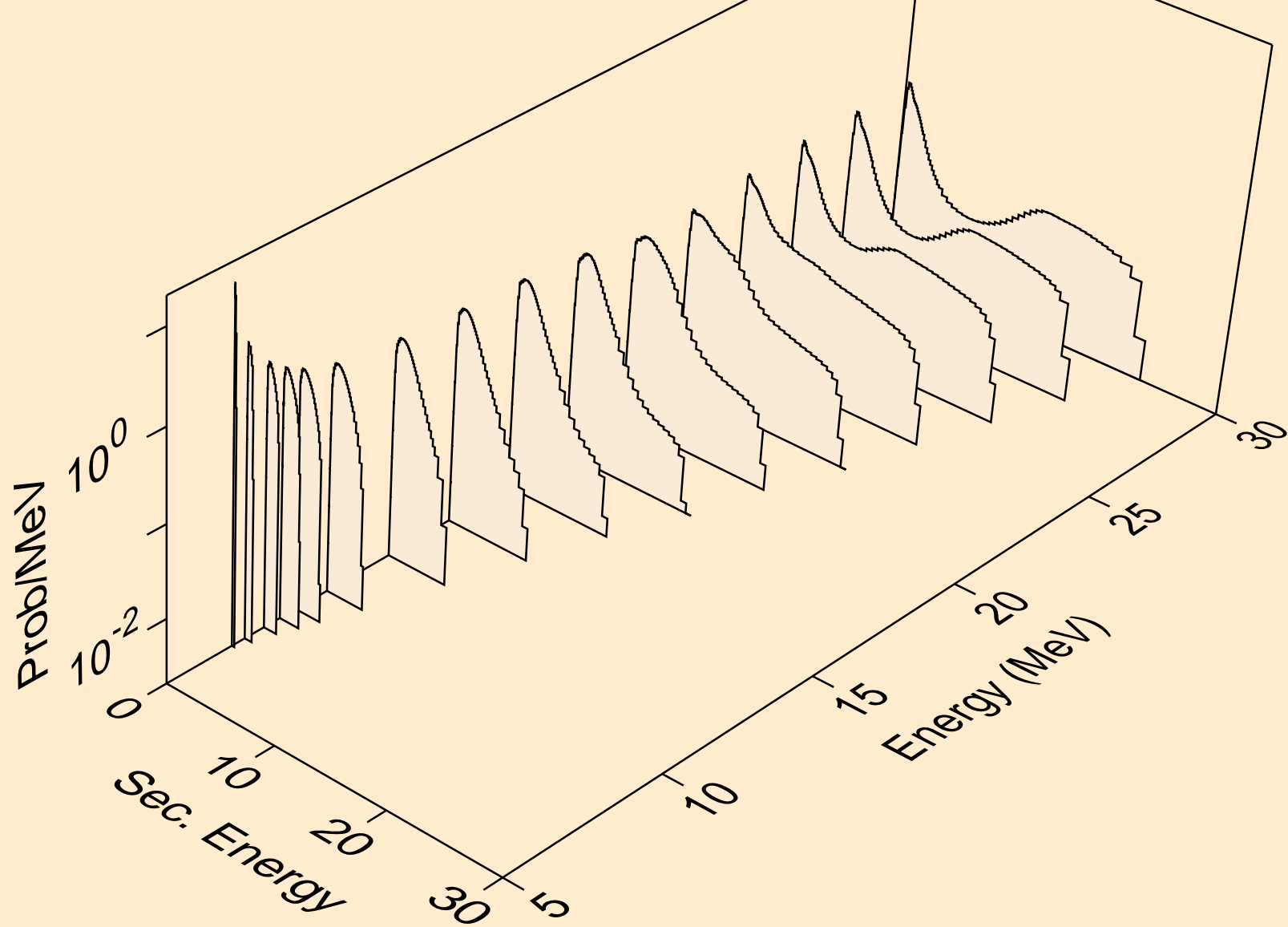




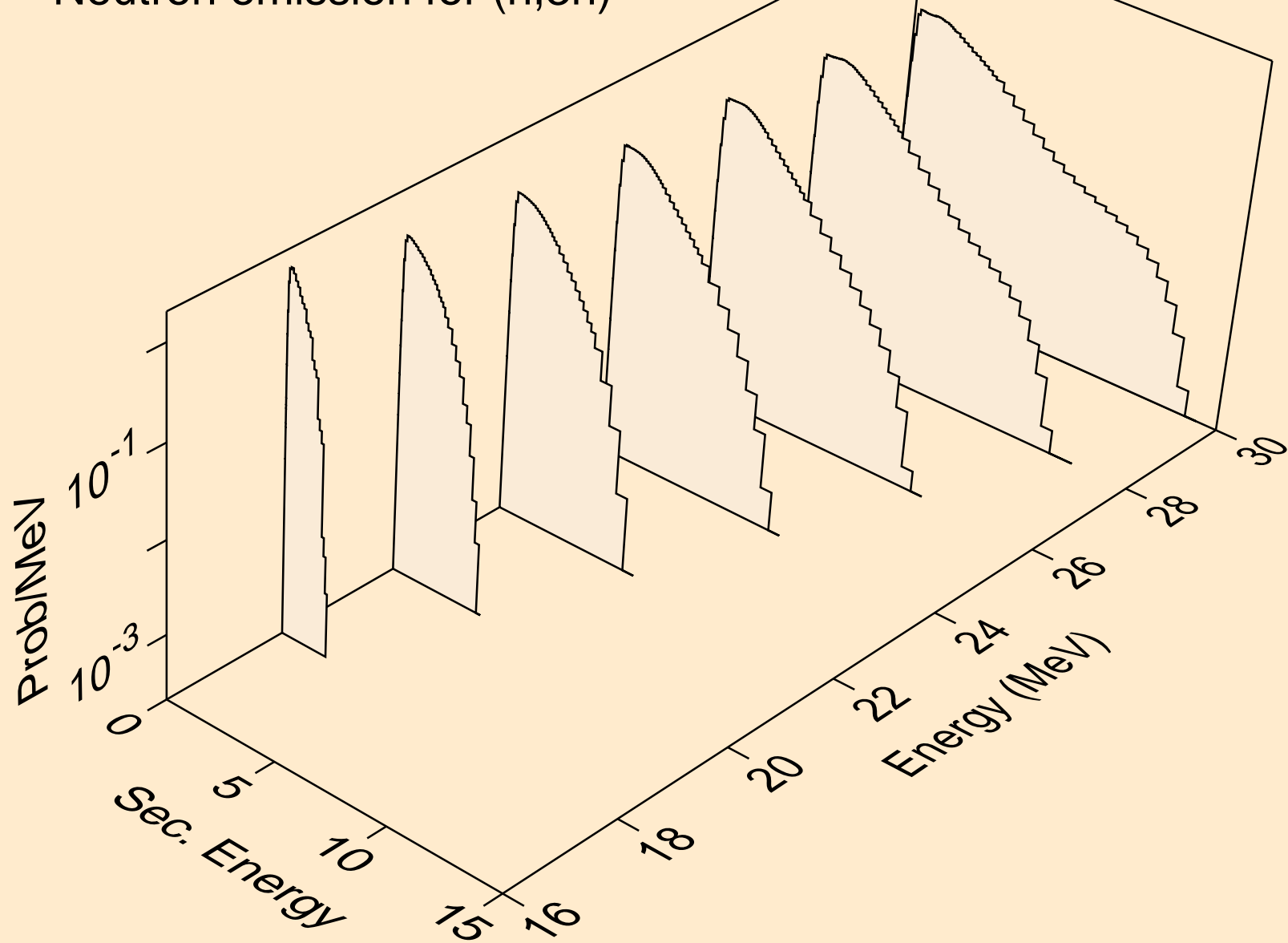
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



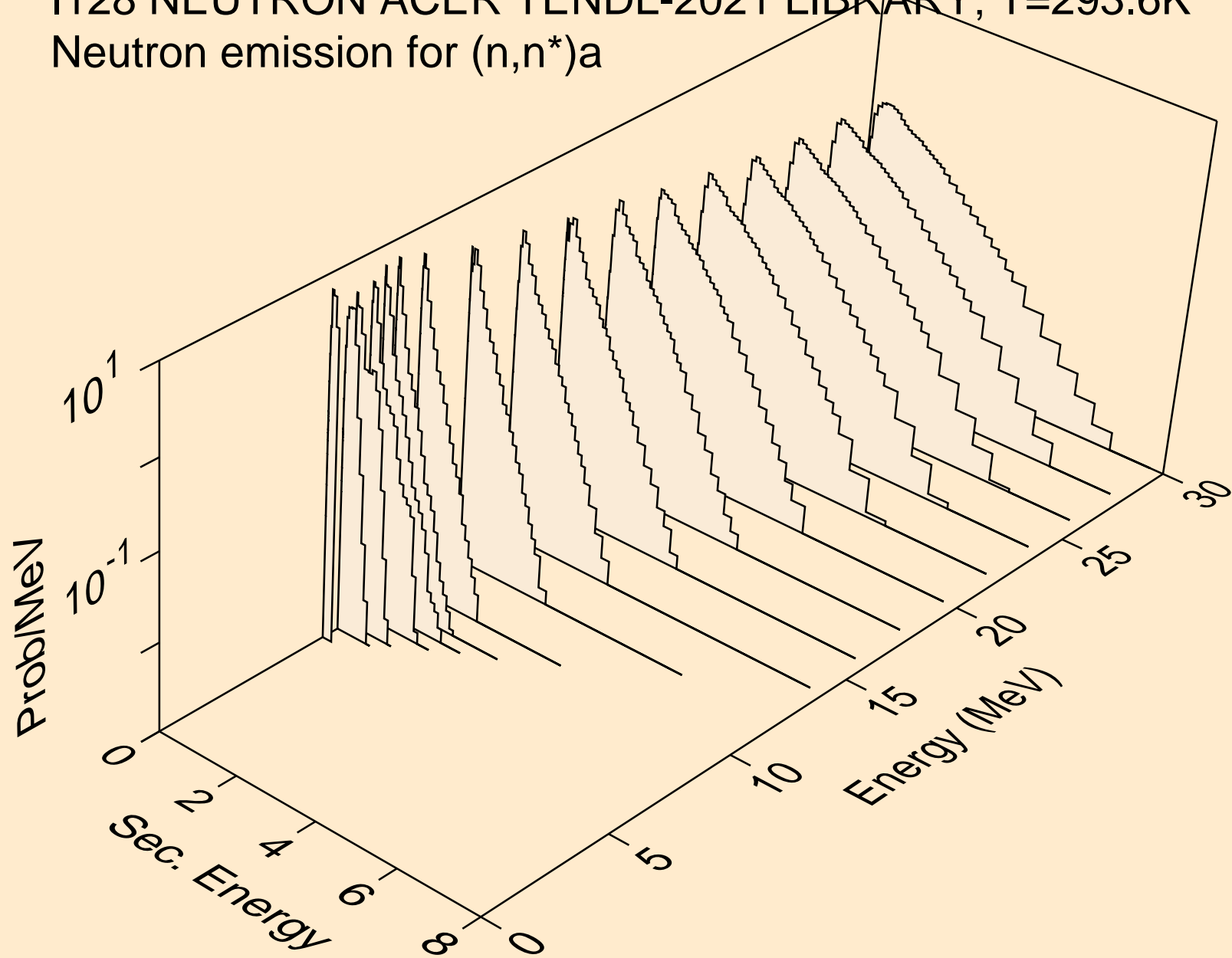
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



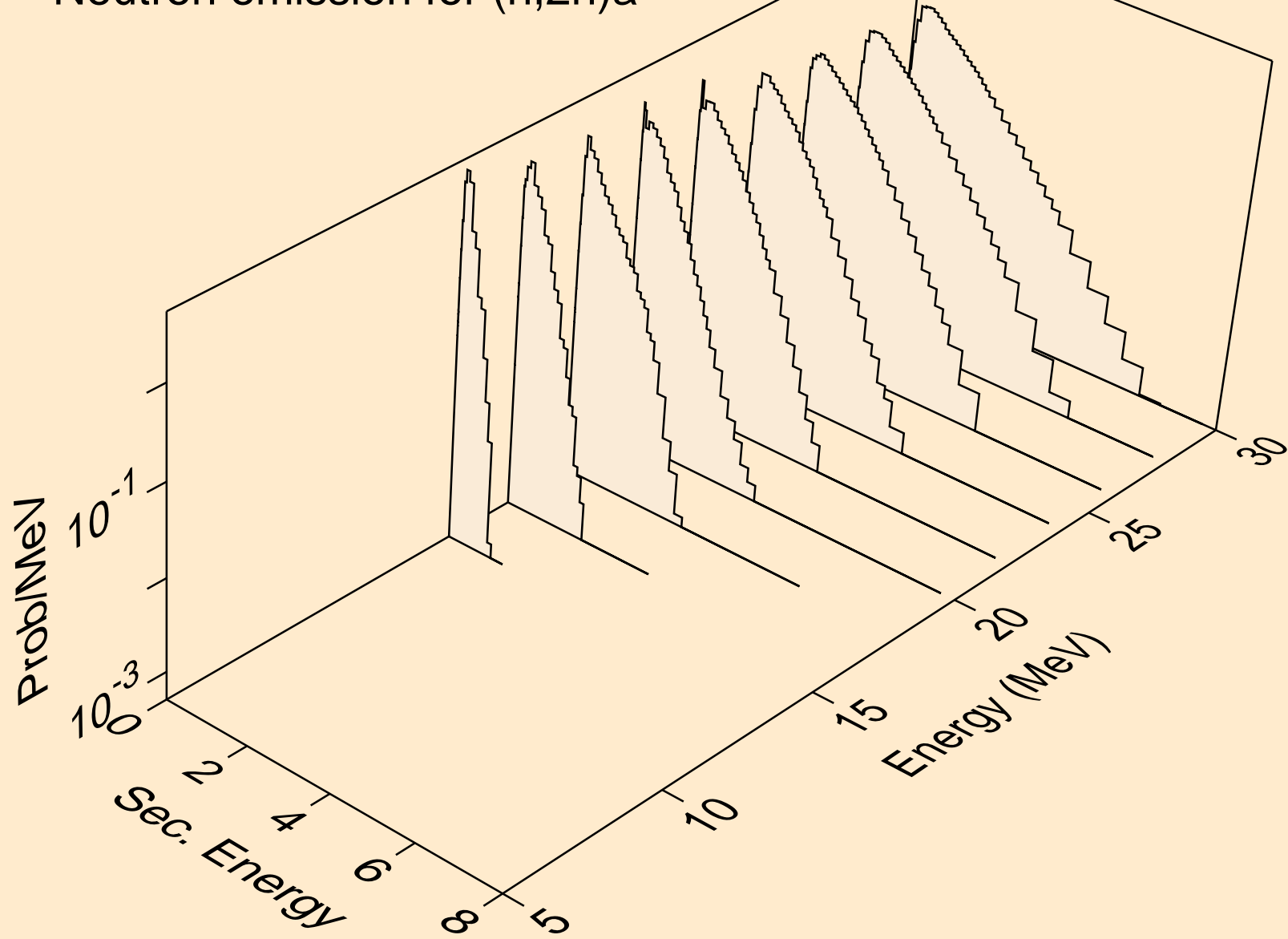
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



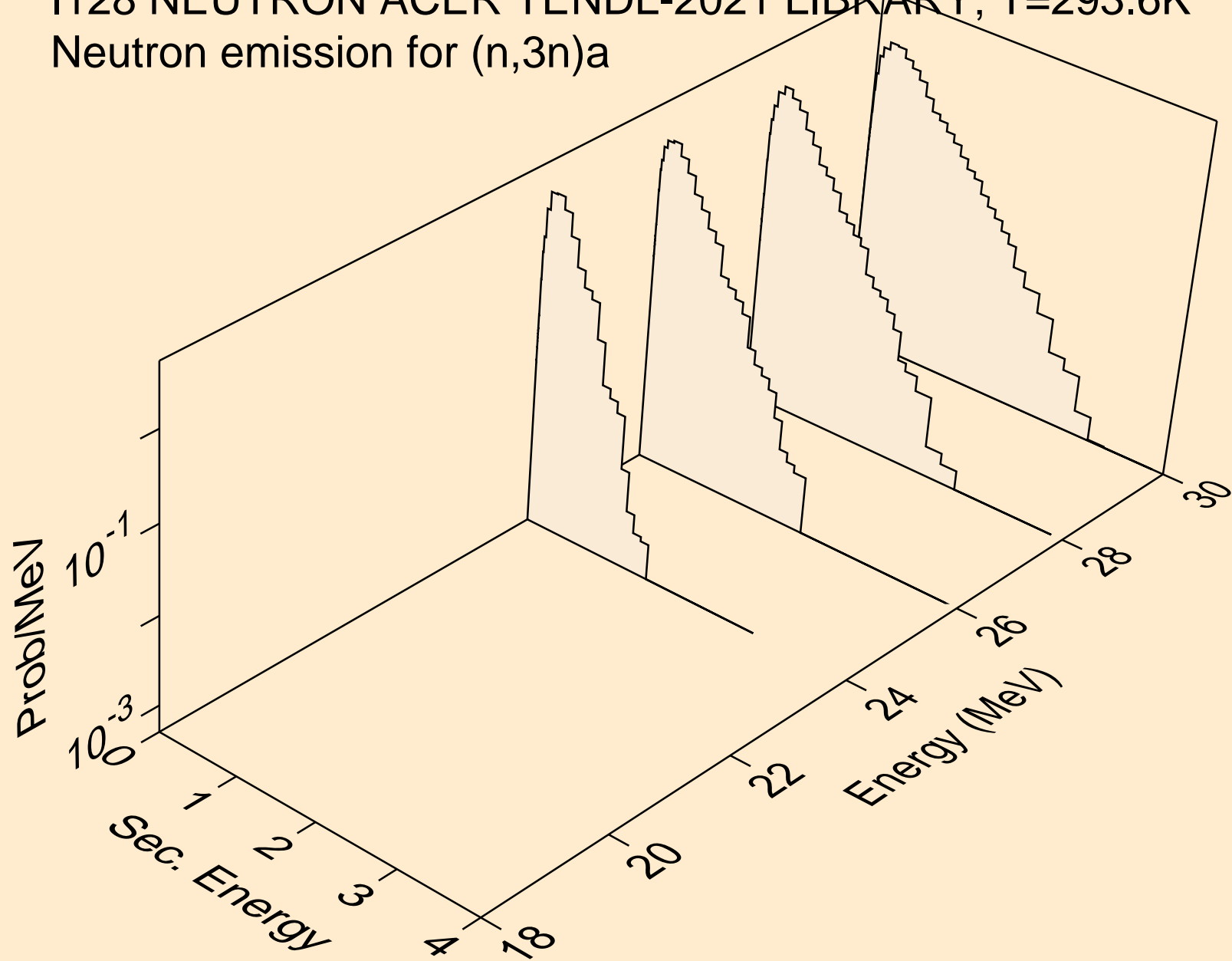
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



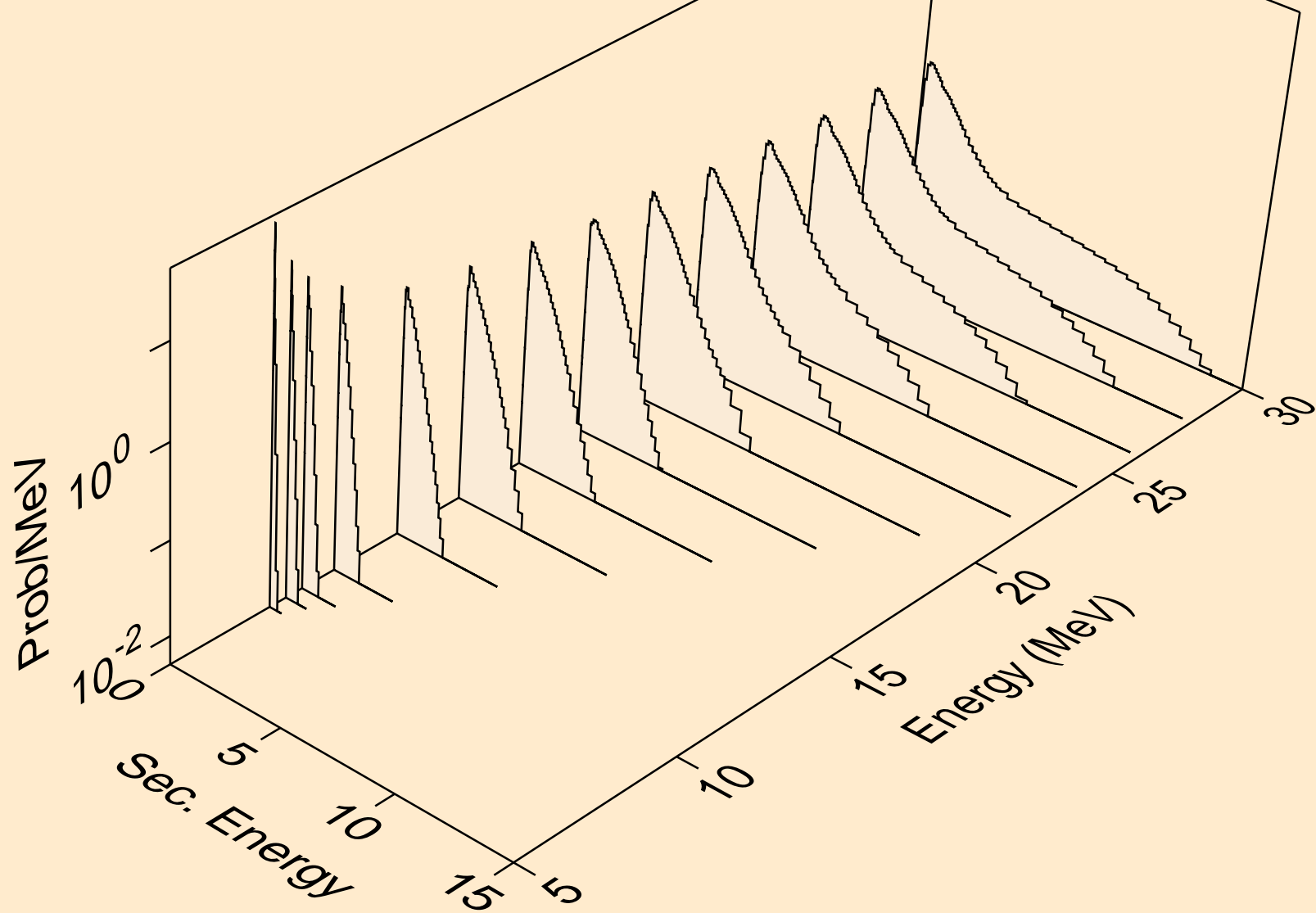
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)a



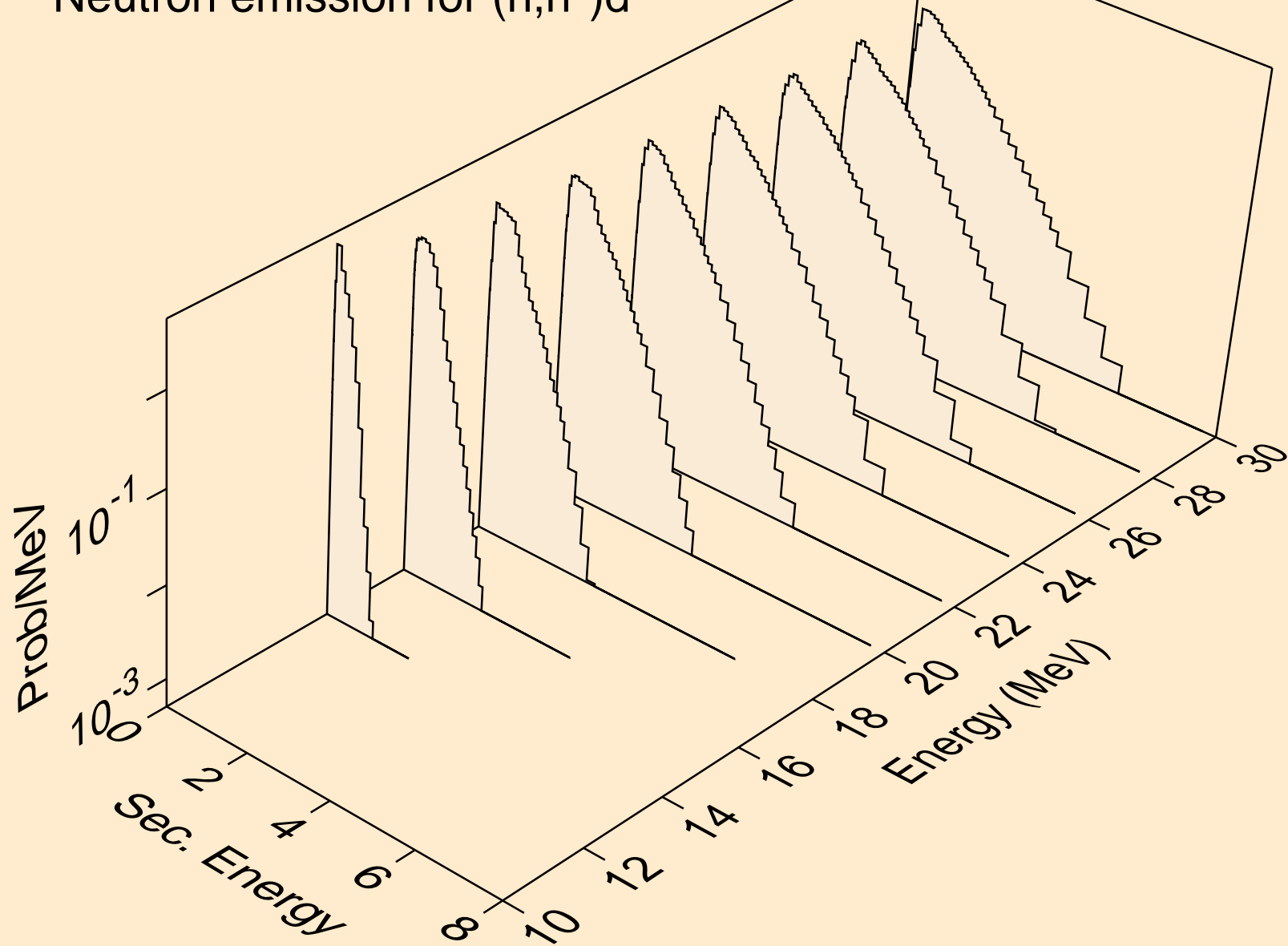
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a



I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p

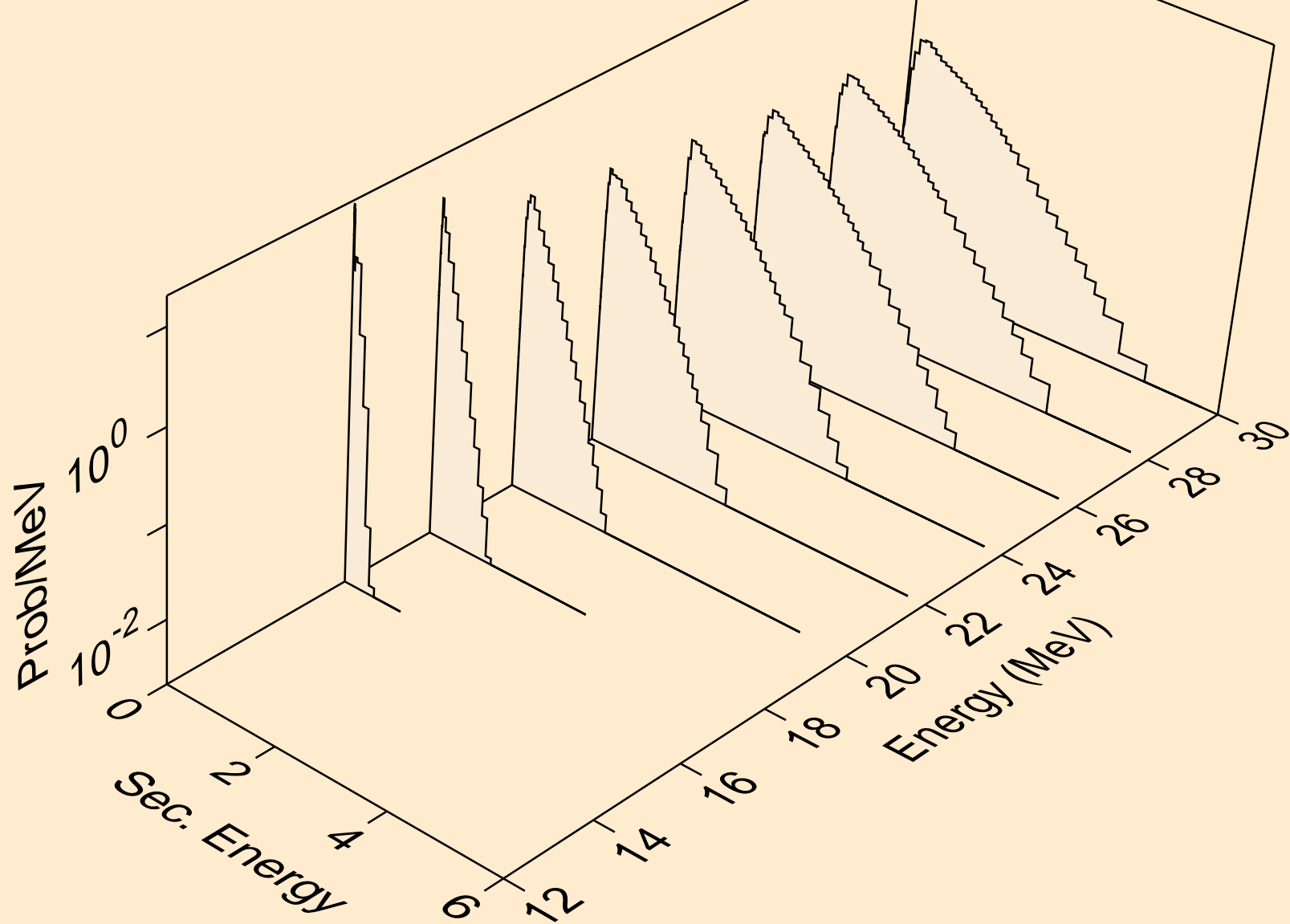


I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d

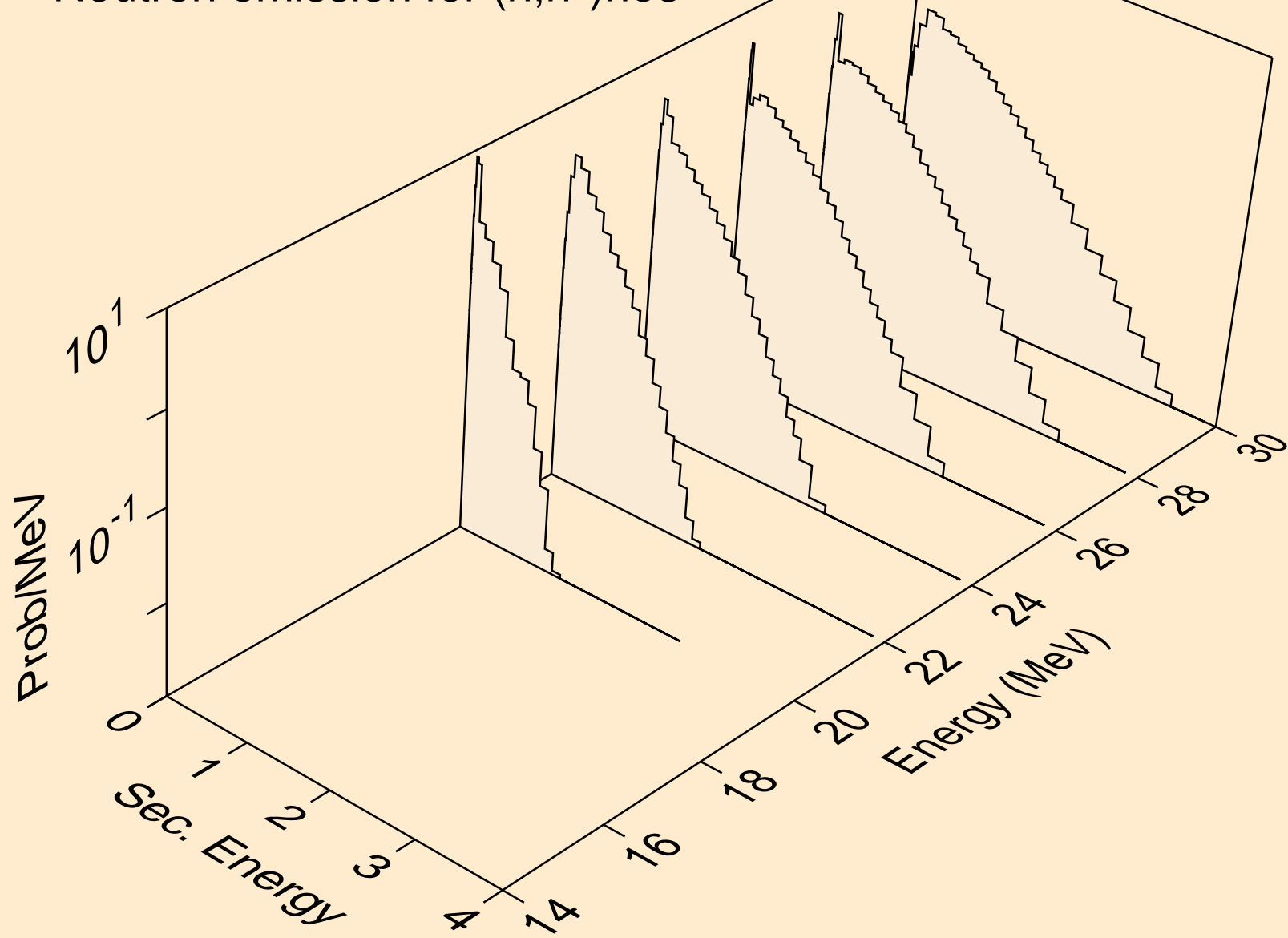




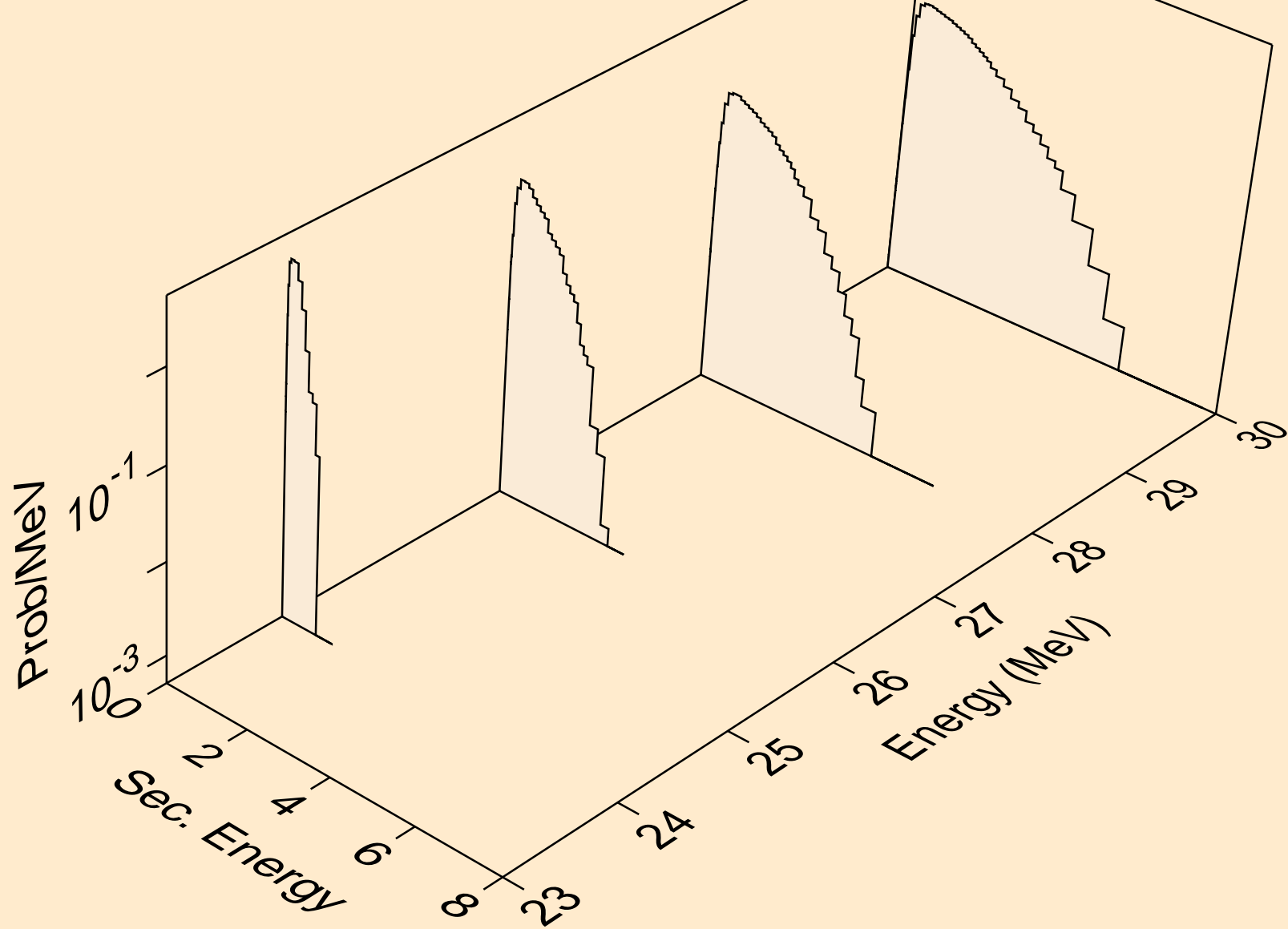
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



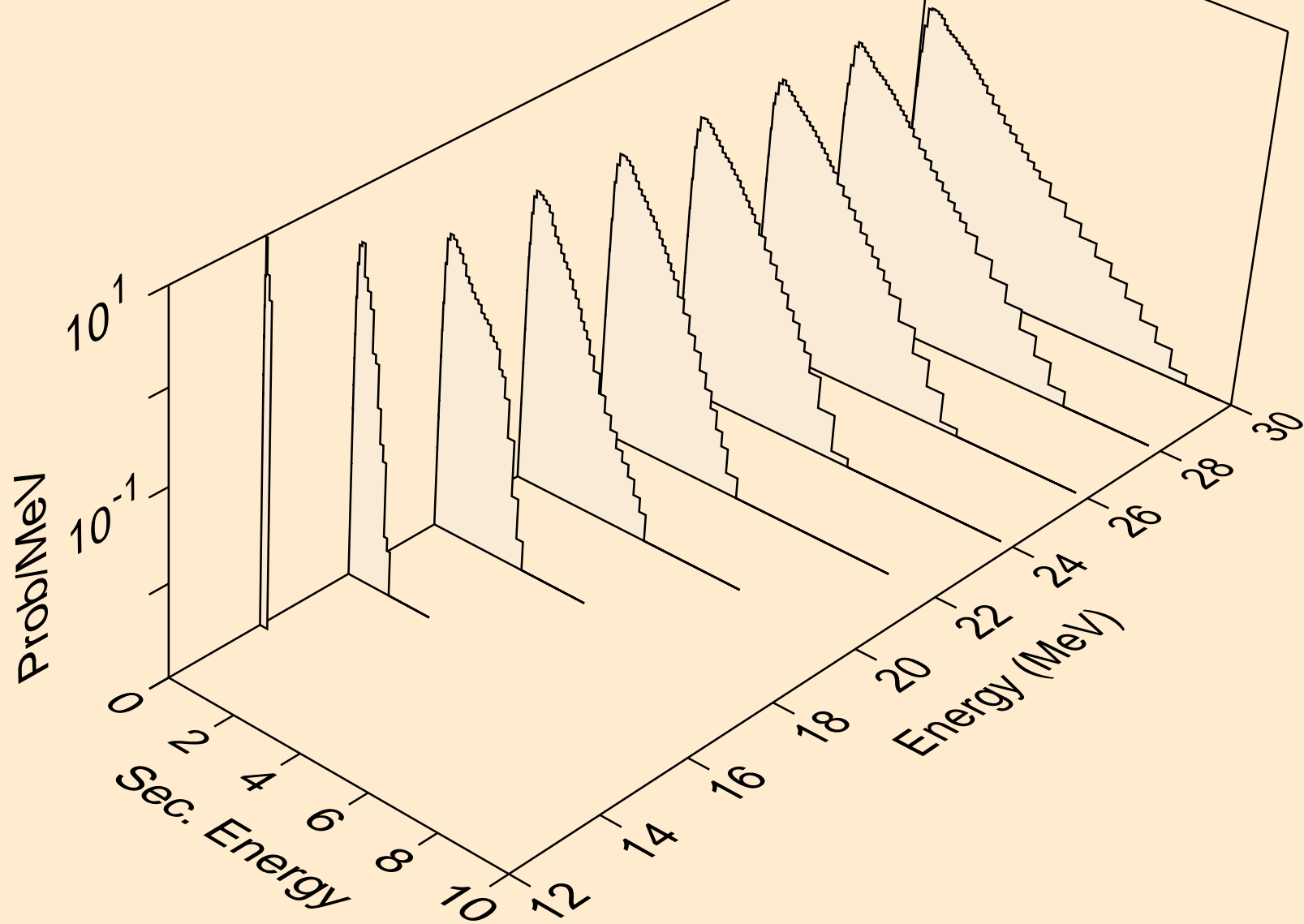
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



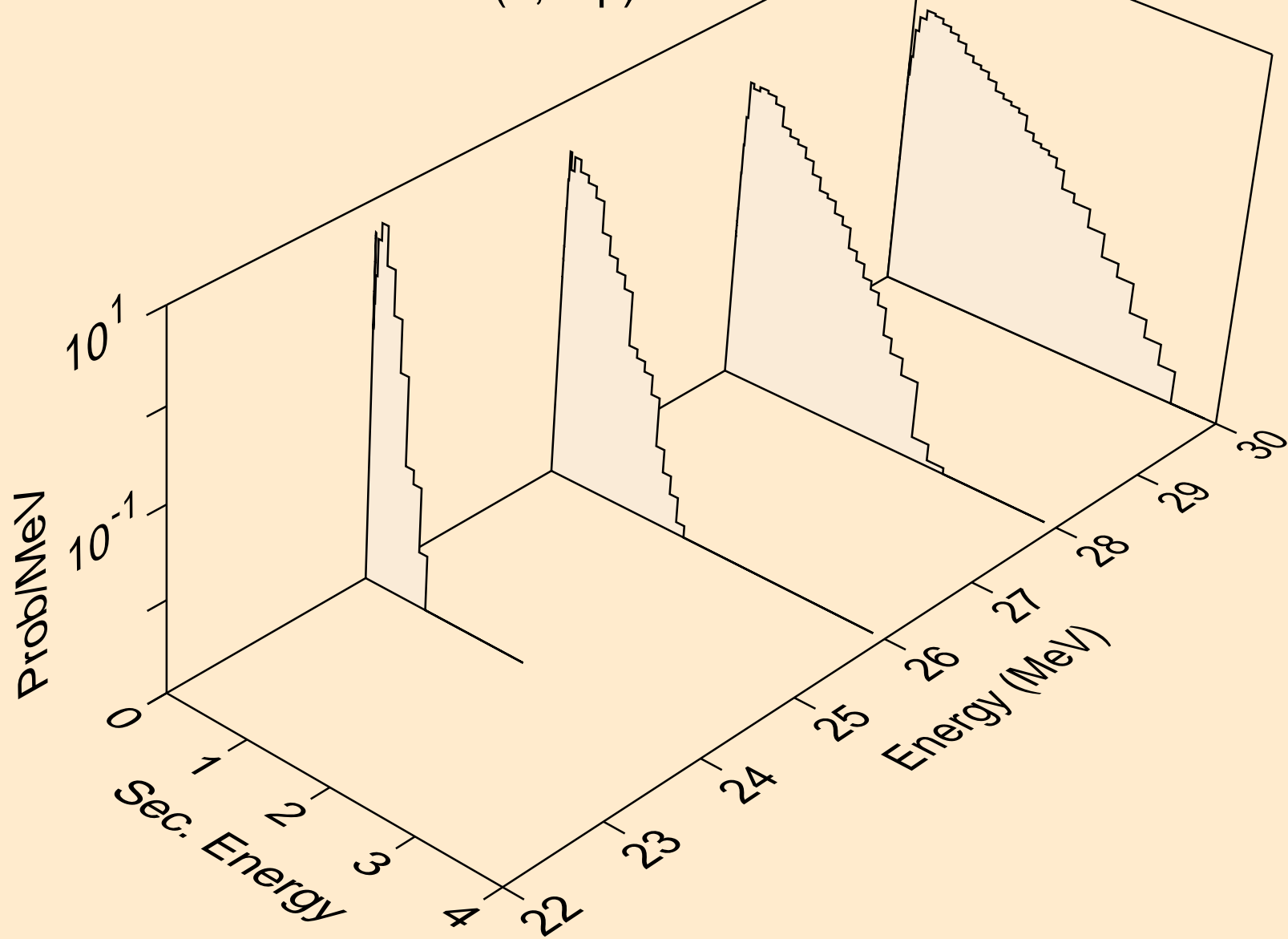
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,4n)



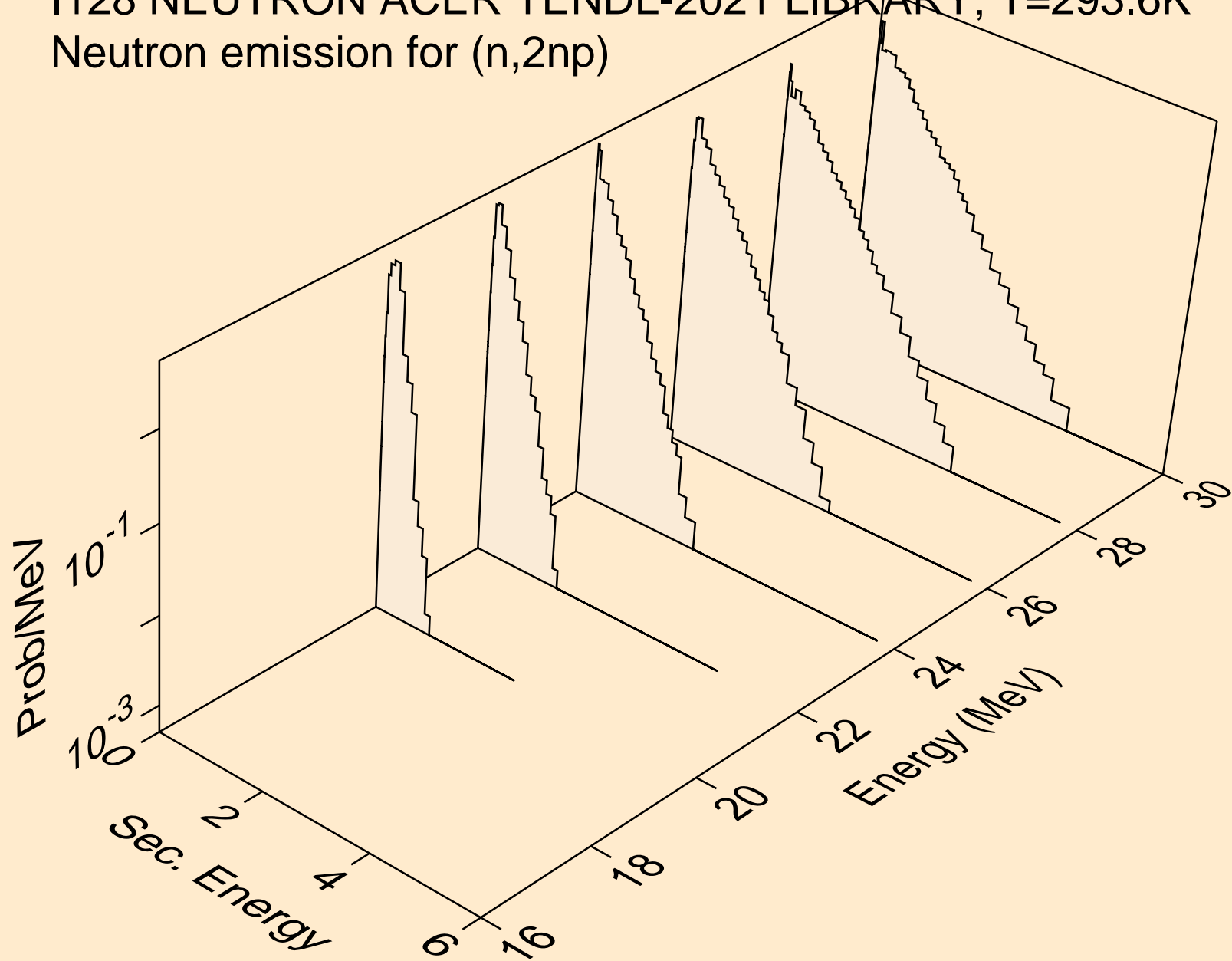
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Neutron emission for (n,2np)



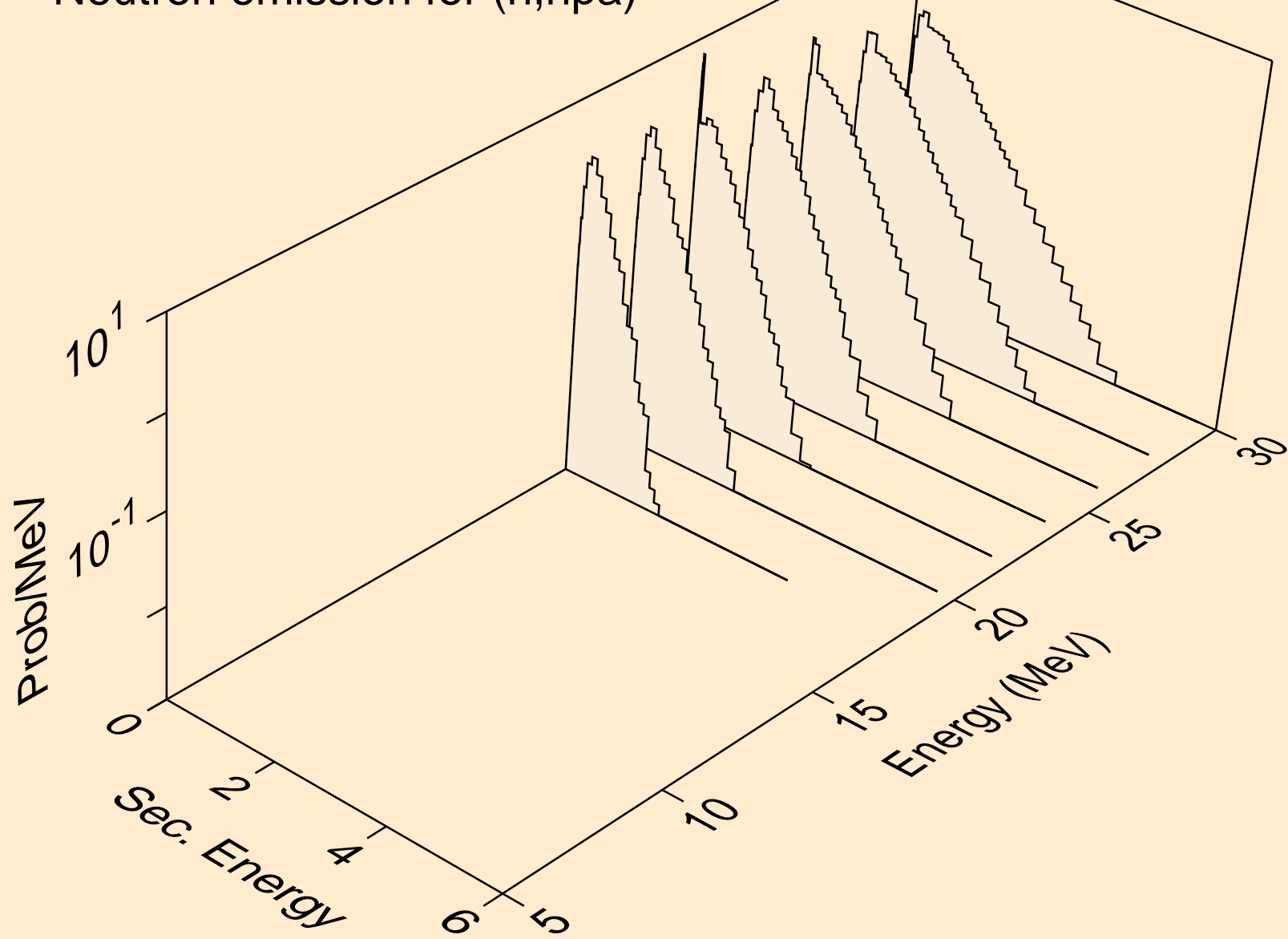
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Neutron emission for (n,3np)



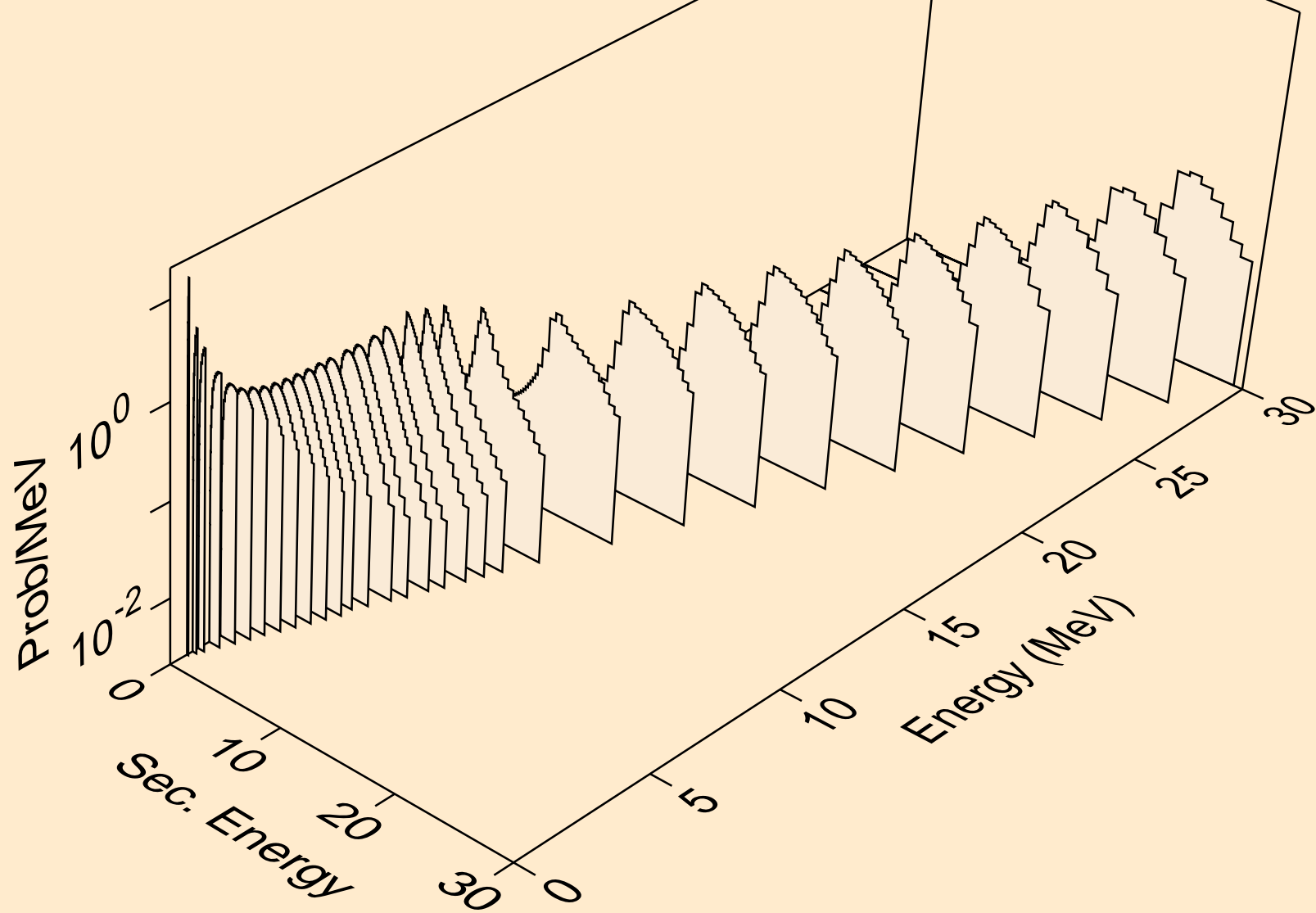
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)

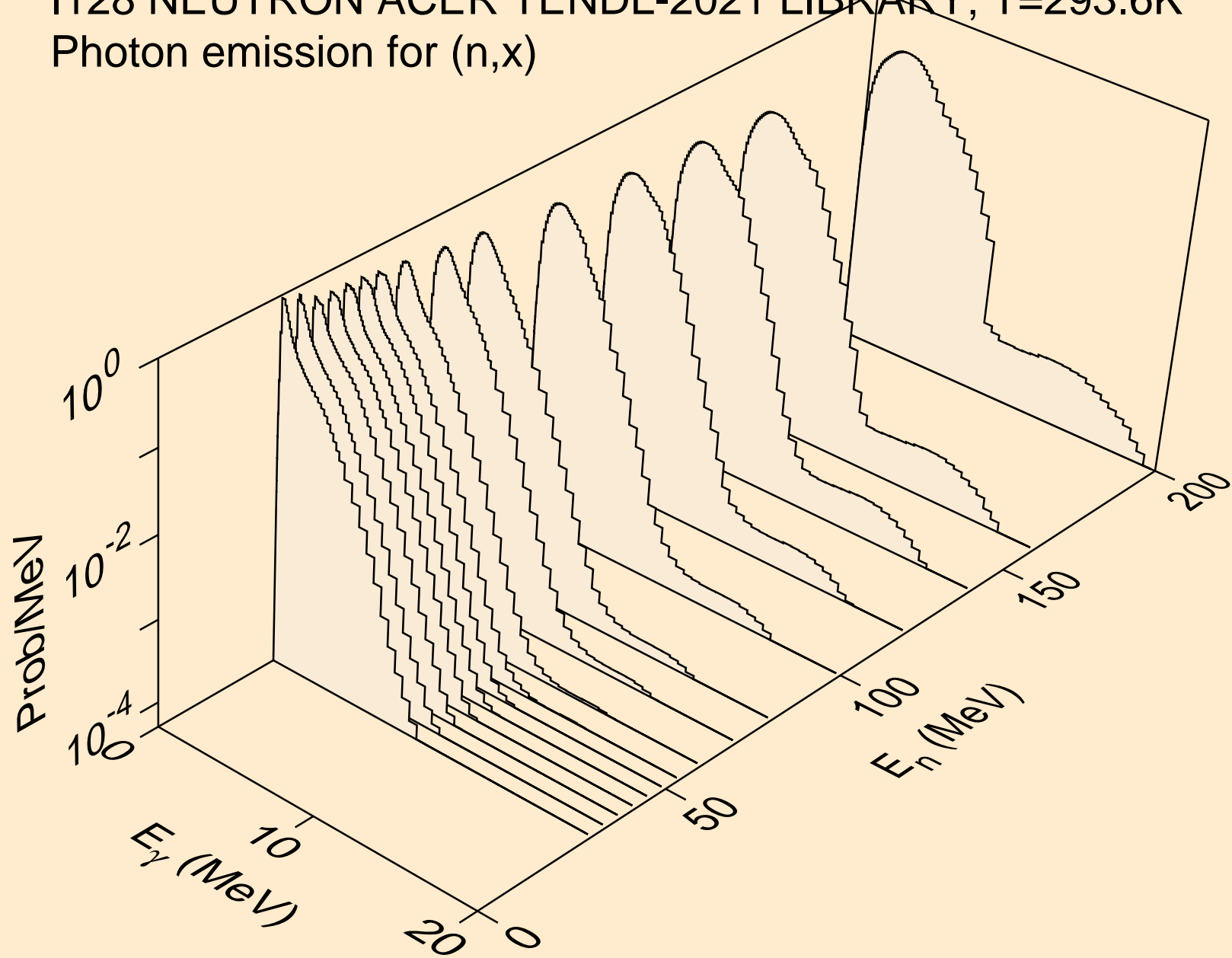


I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)

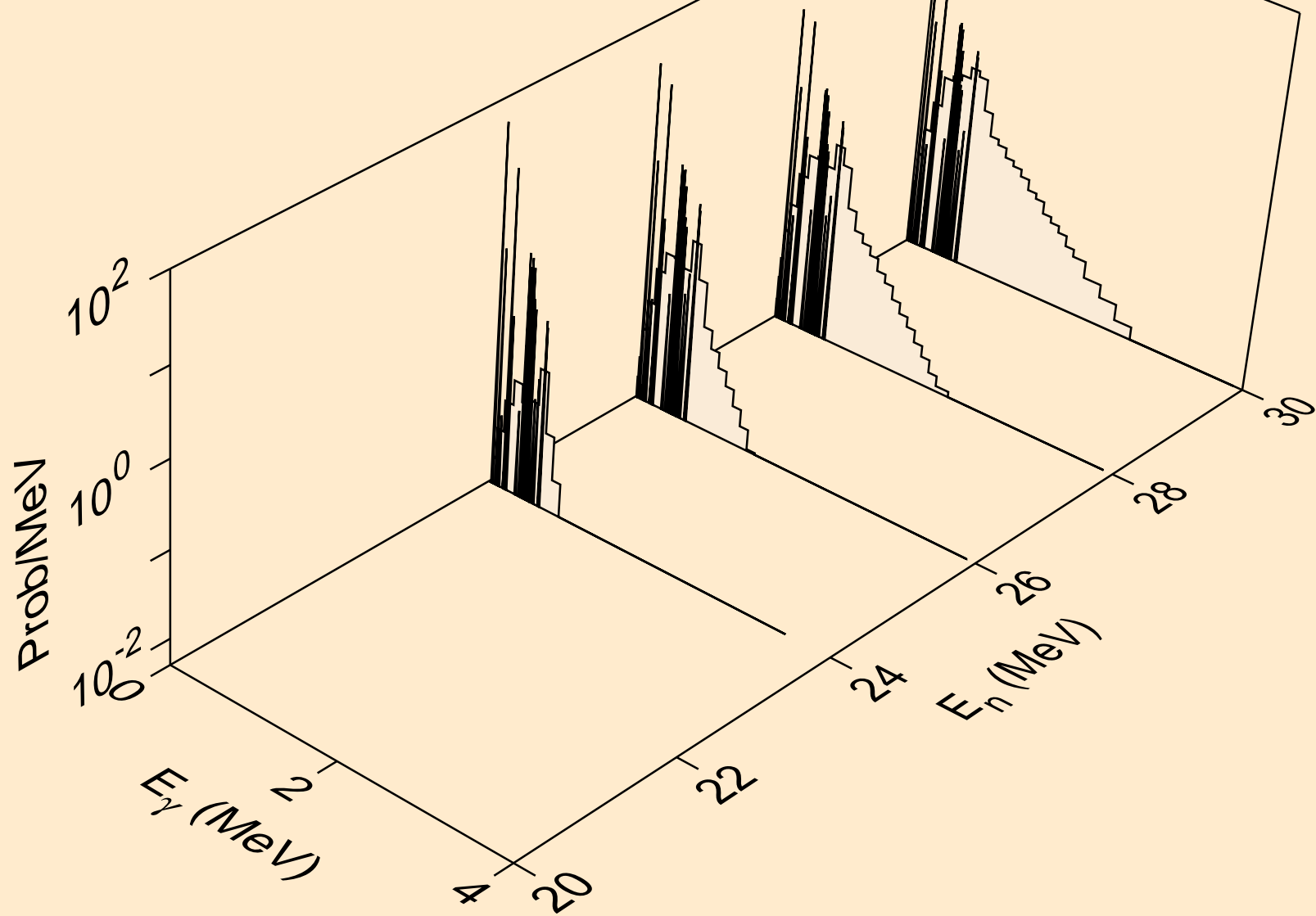




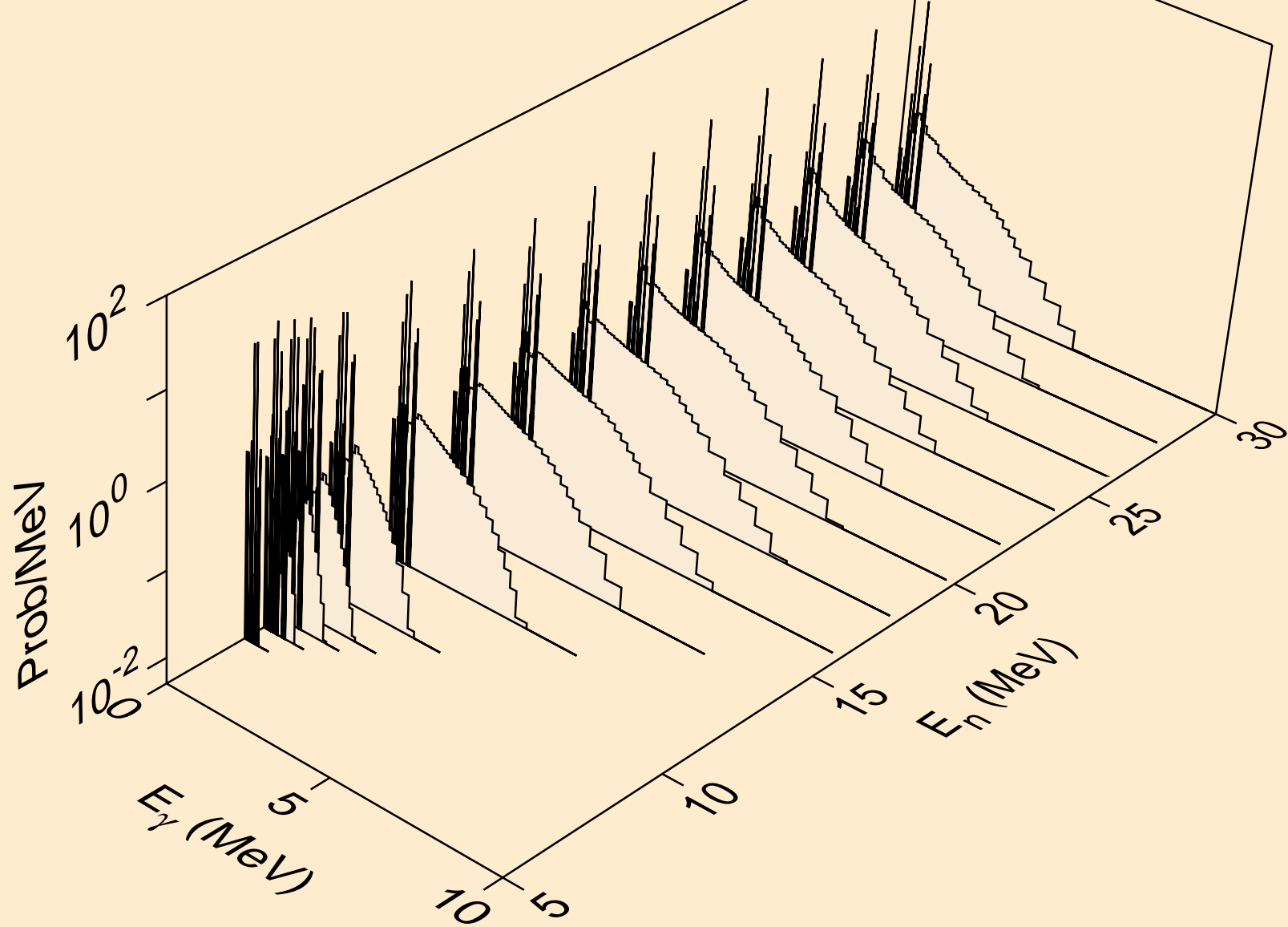
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)



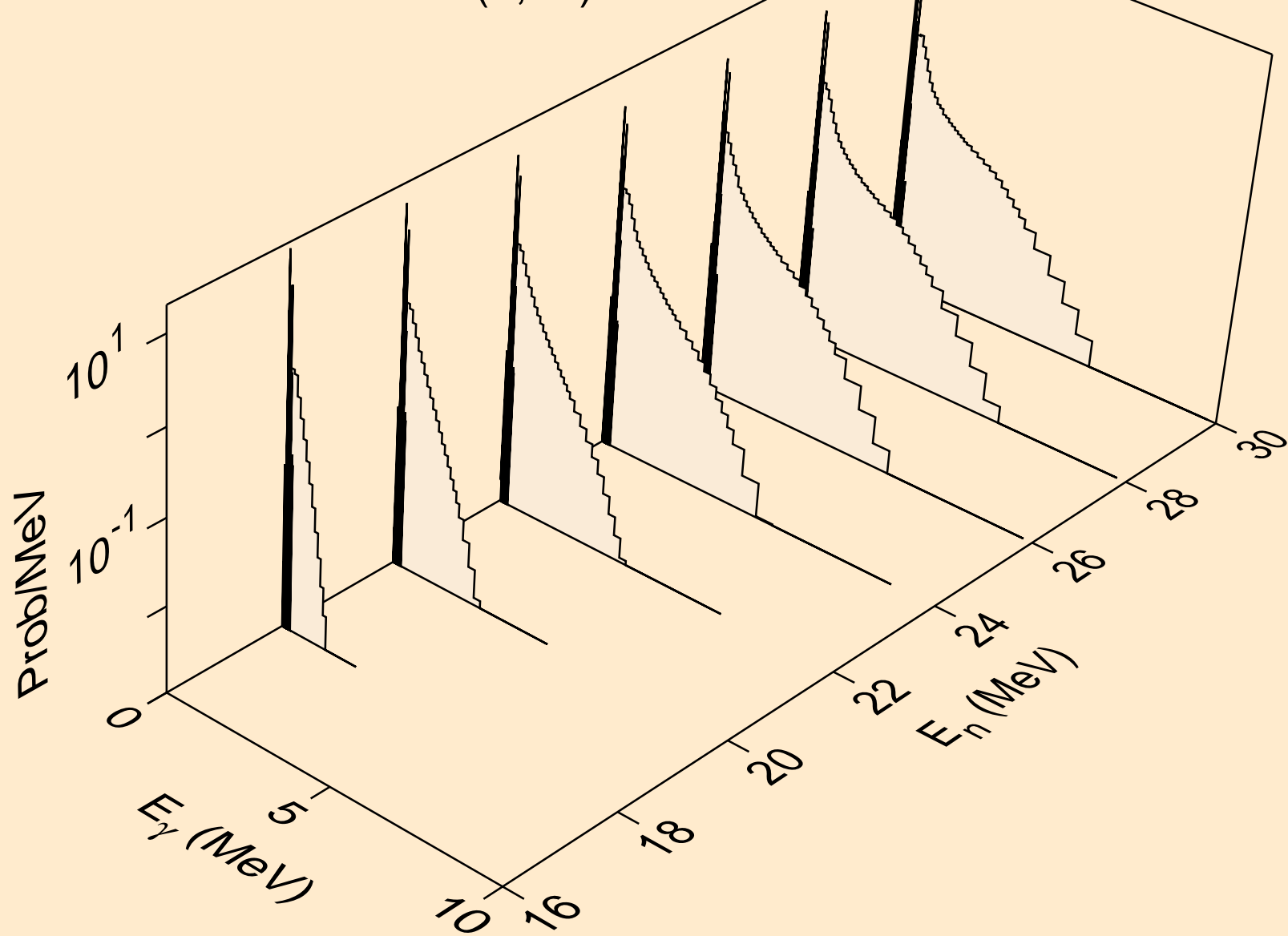
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Photon emission for (n,2nd)



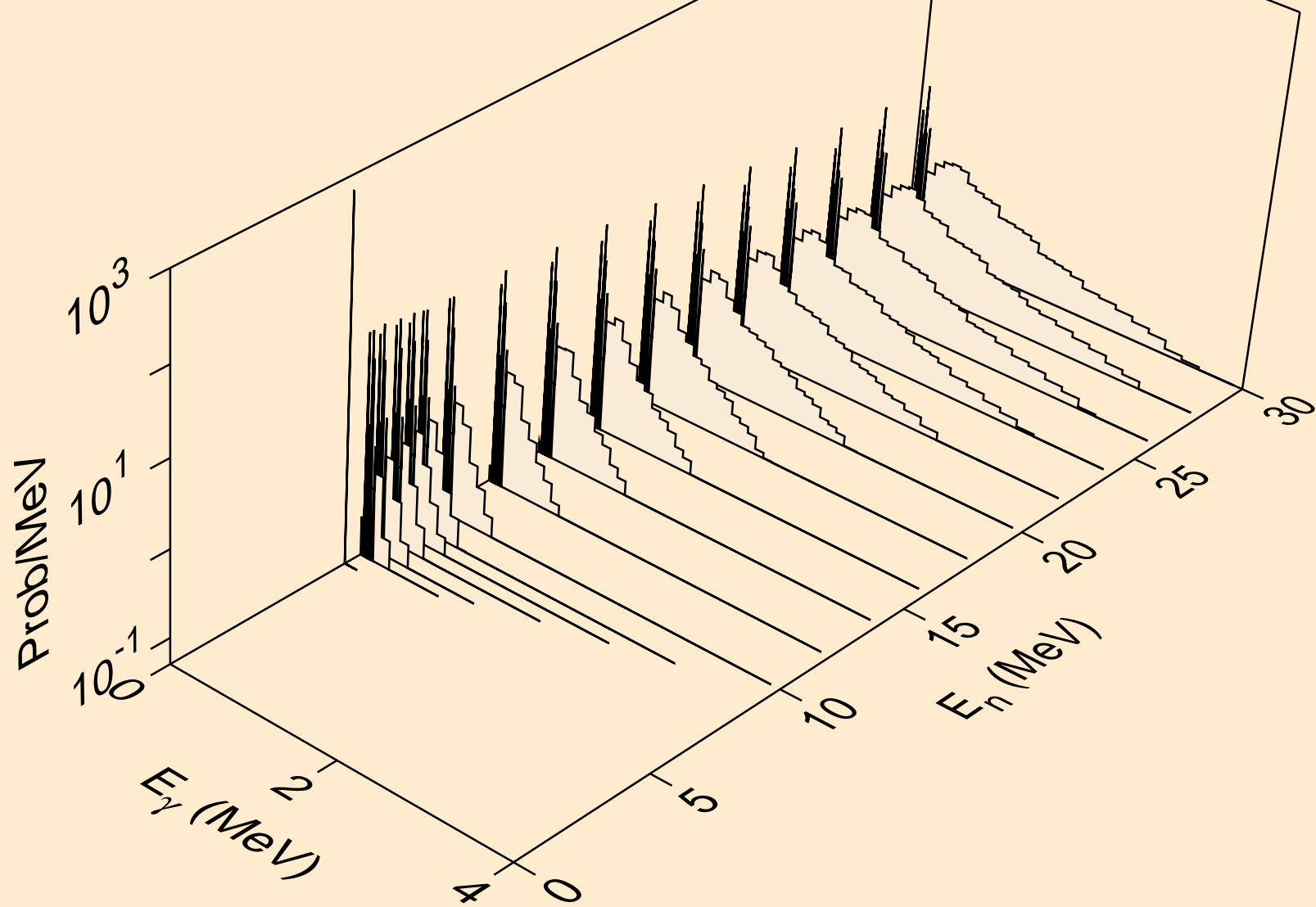
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Photon emission for (n,2n)



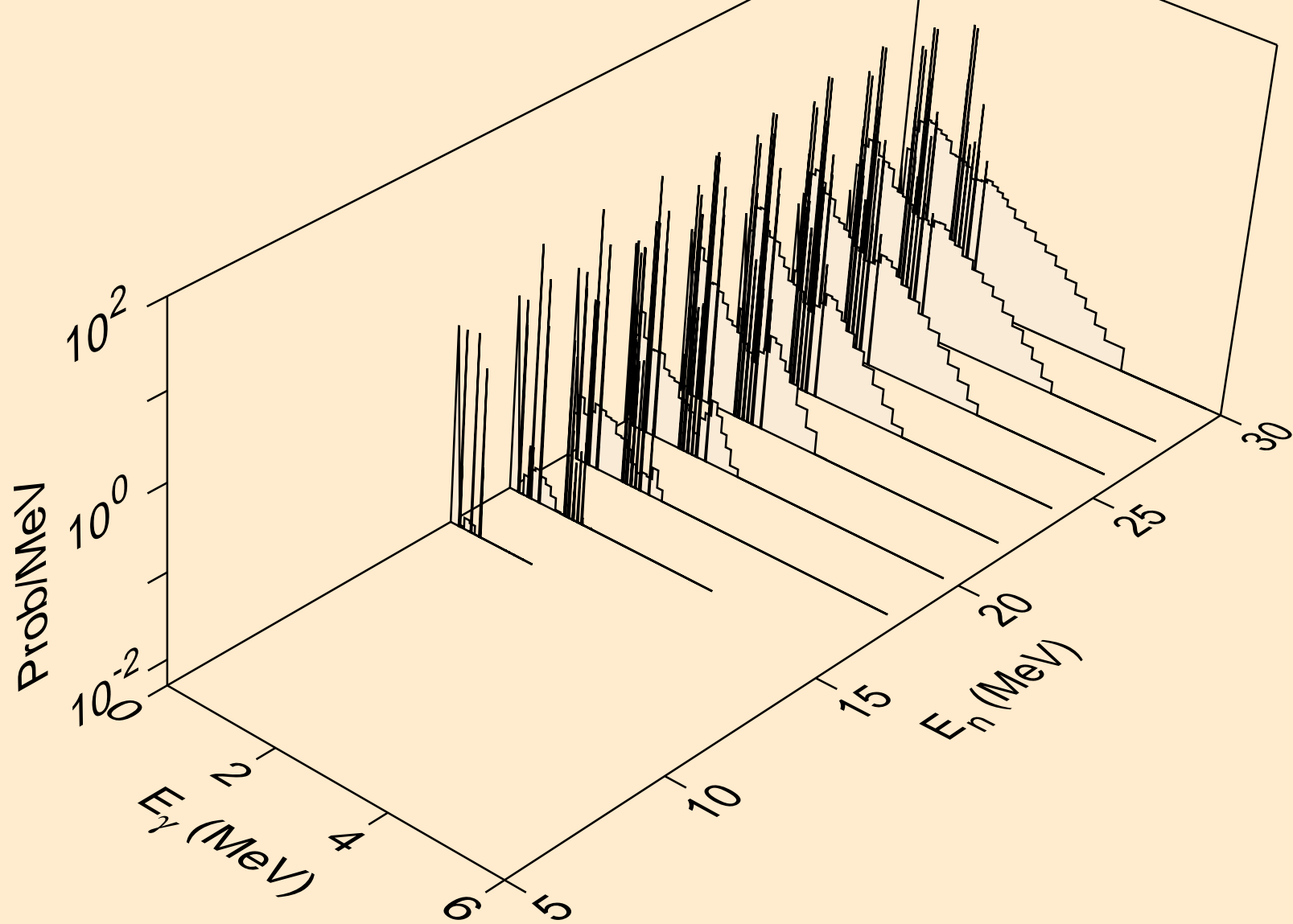
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Photon emission for (n,3n)



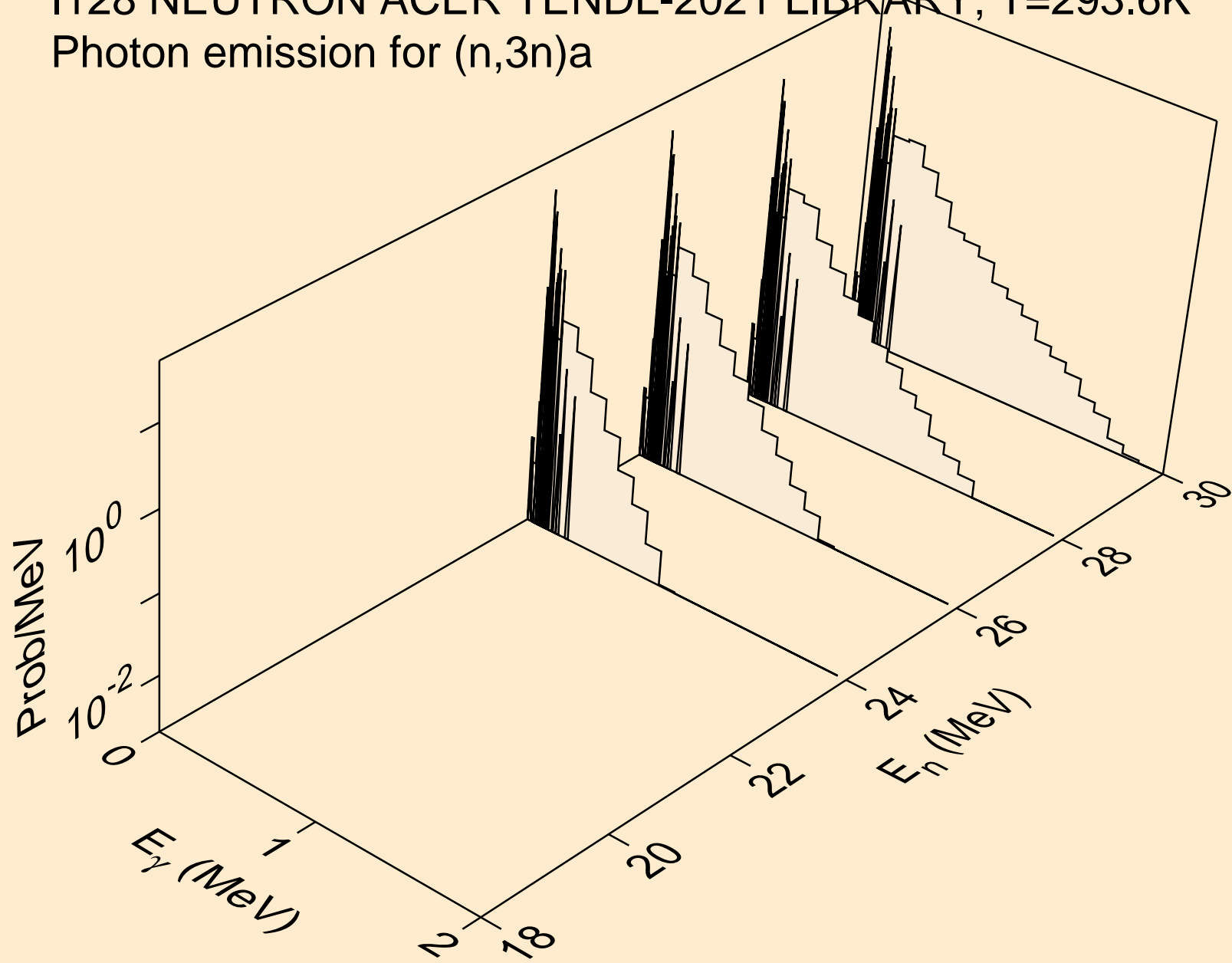
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Photon emission for (n,n\*)a



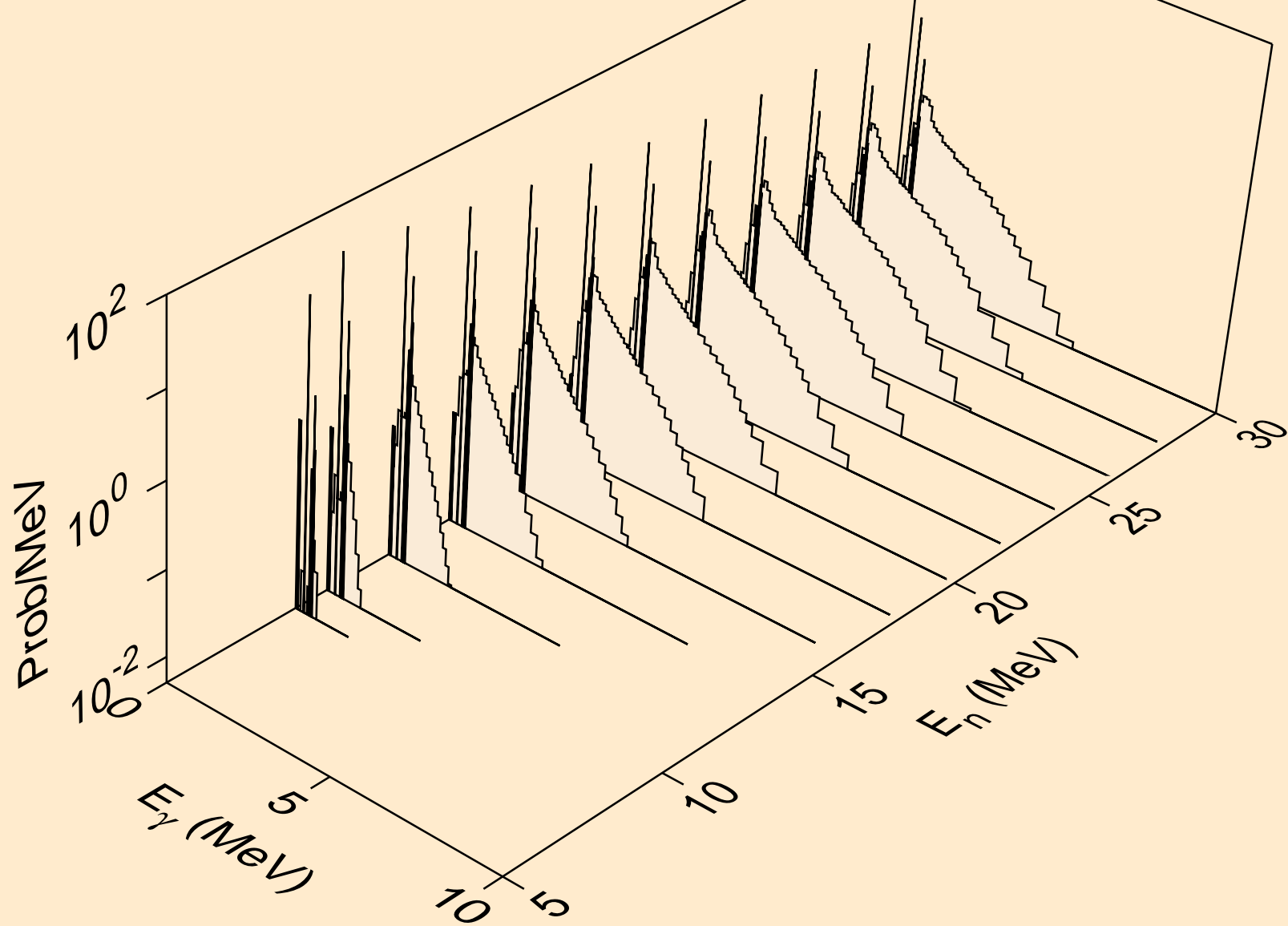
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Photon emission for (n,2n)a



I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)a

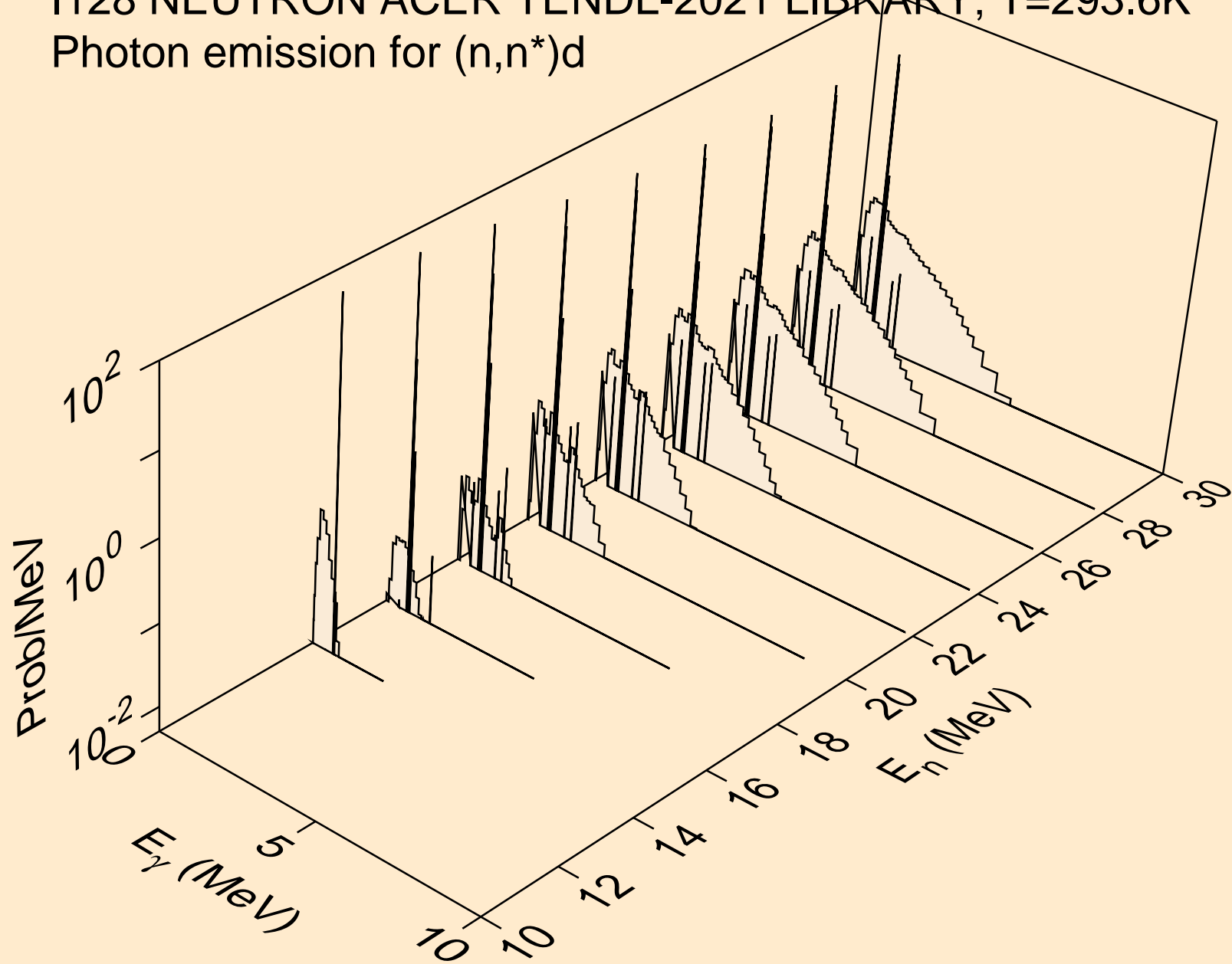


I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p

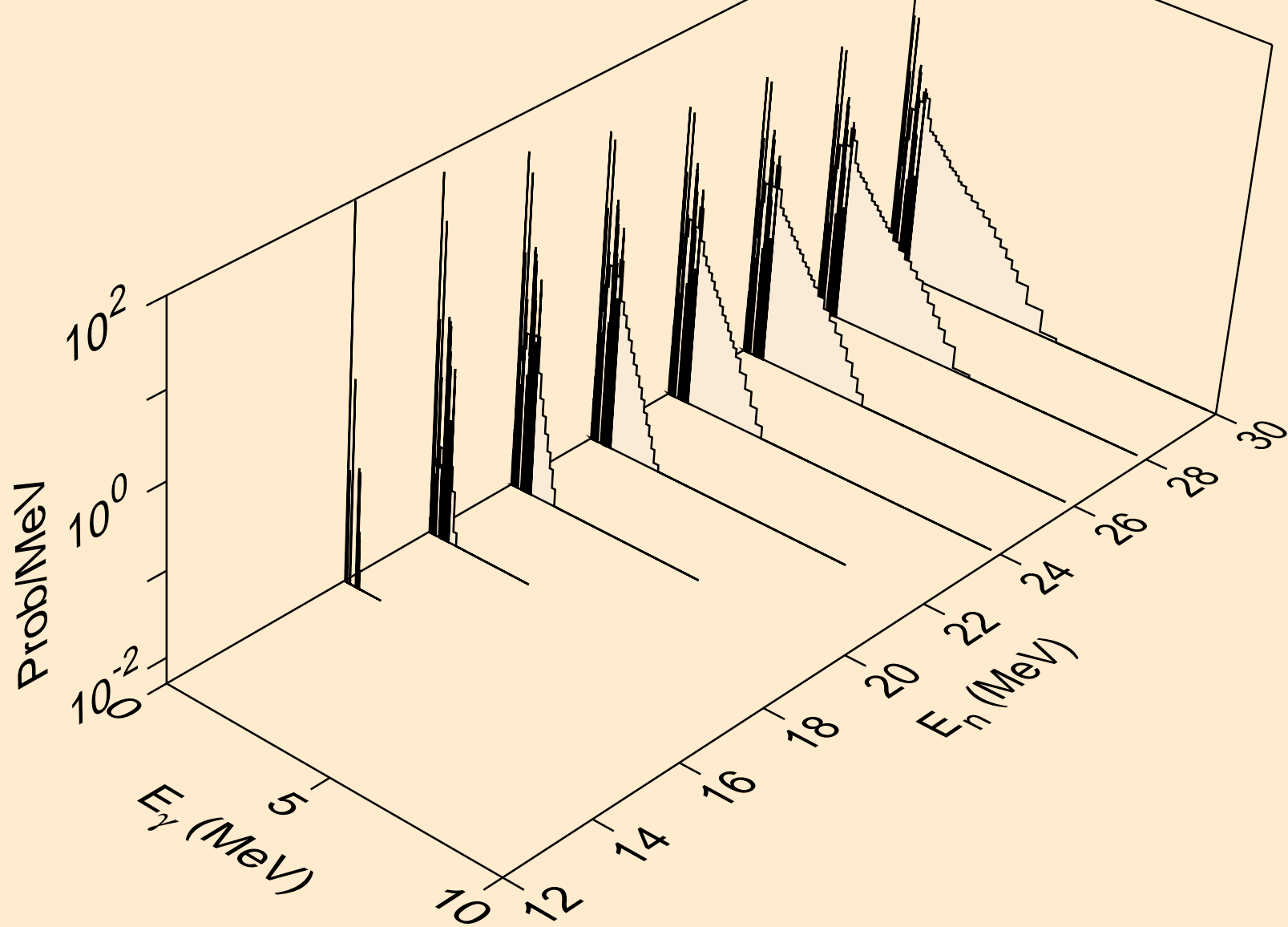




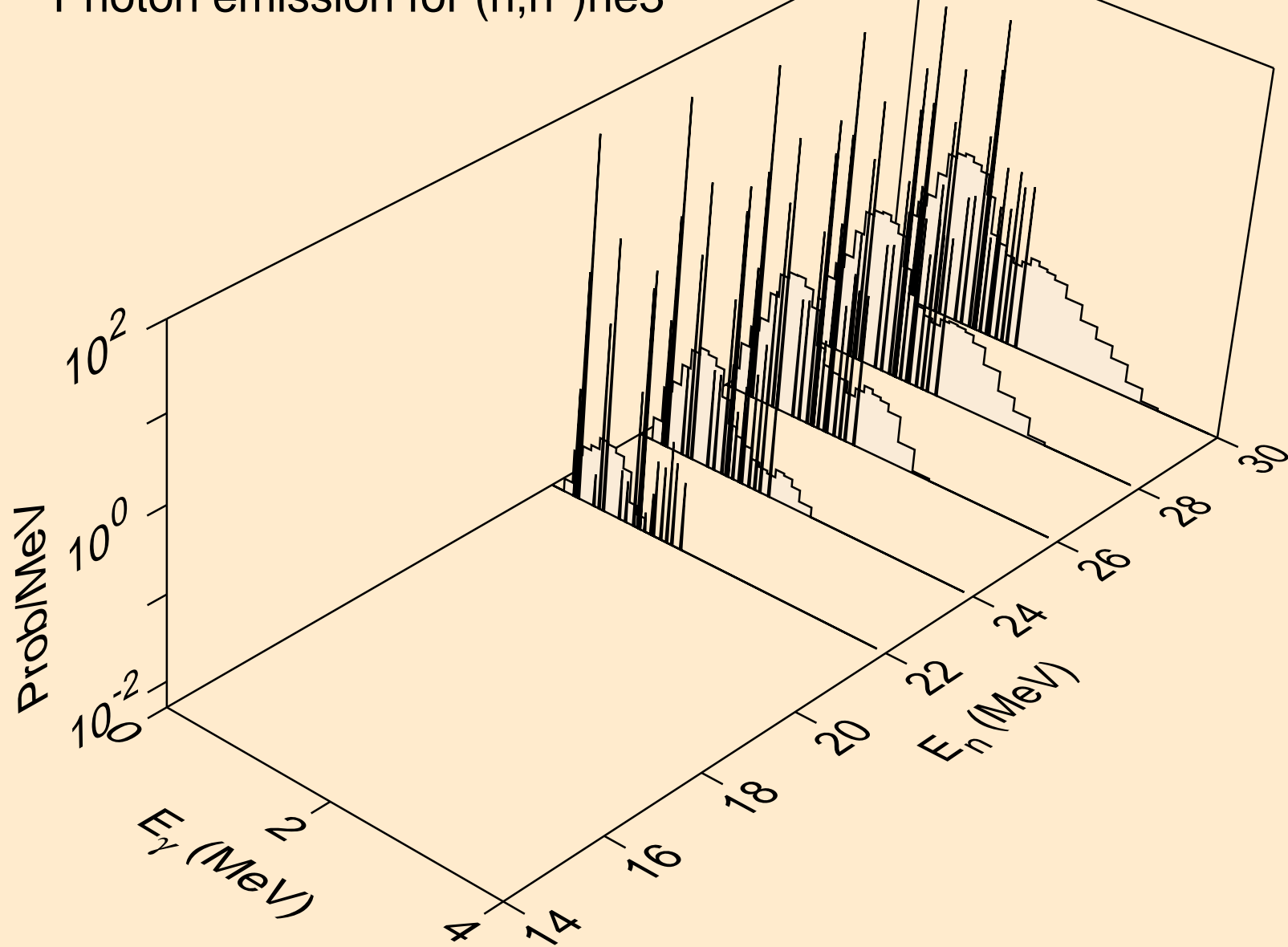
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Photon emission for (n,n\*)d



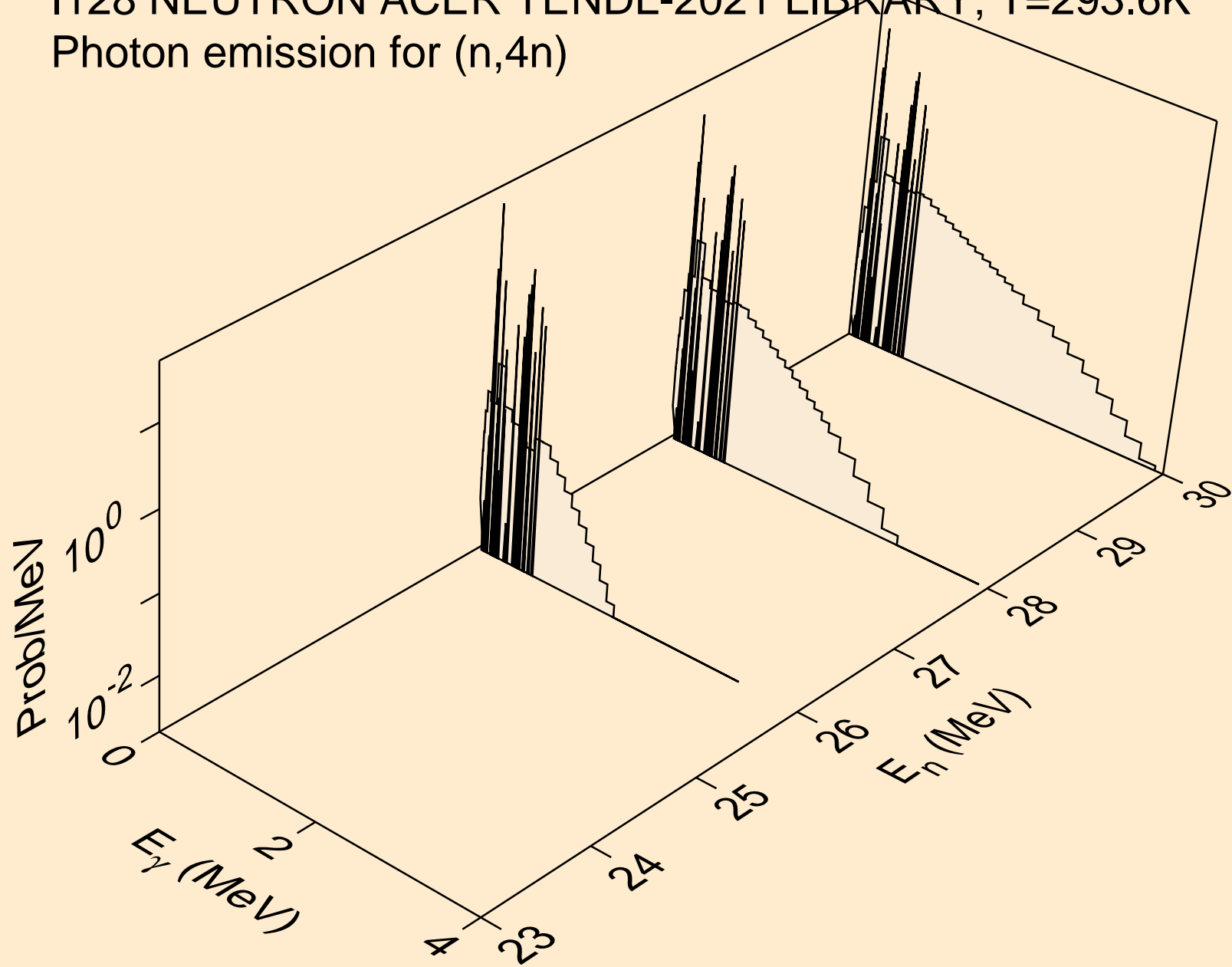
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Photon emission for (n,n\*)t



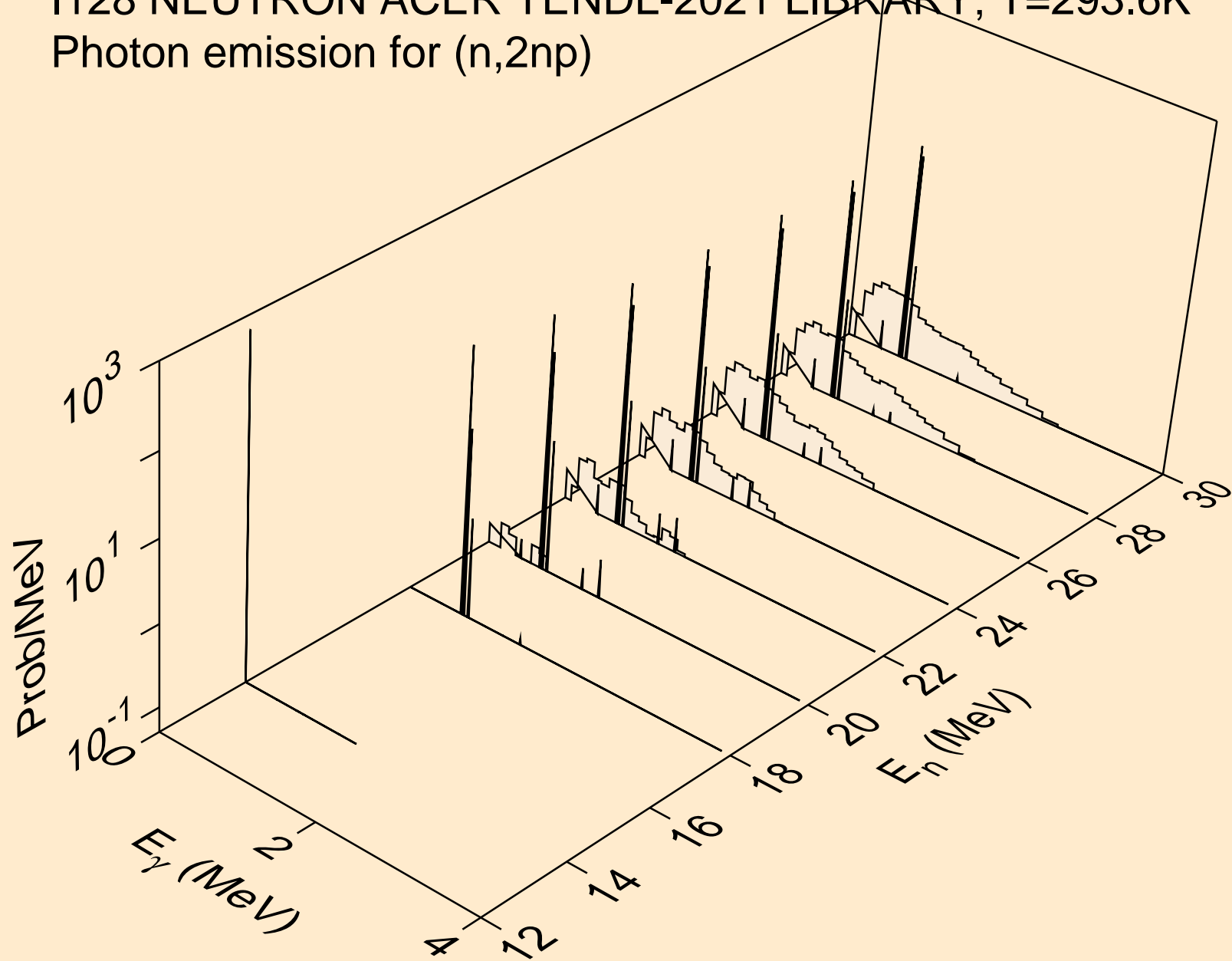
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Photon emission for (n,n\*)he3



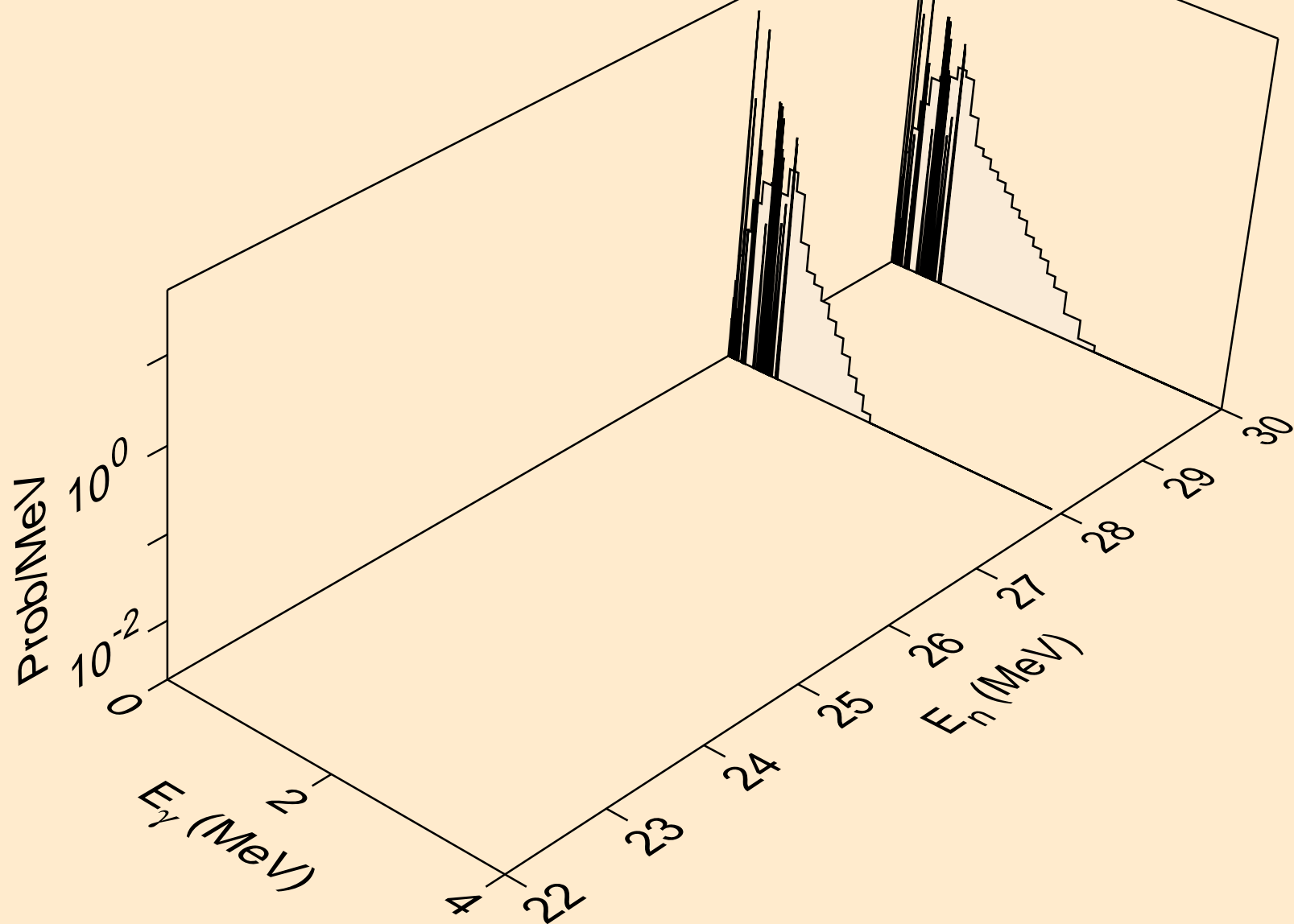
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Photon emission for (n,4n)



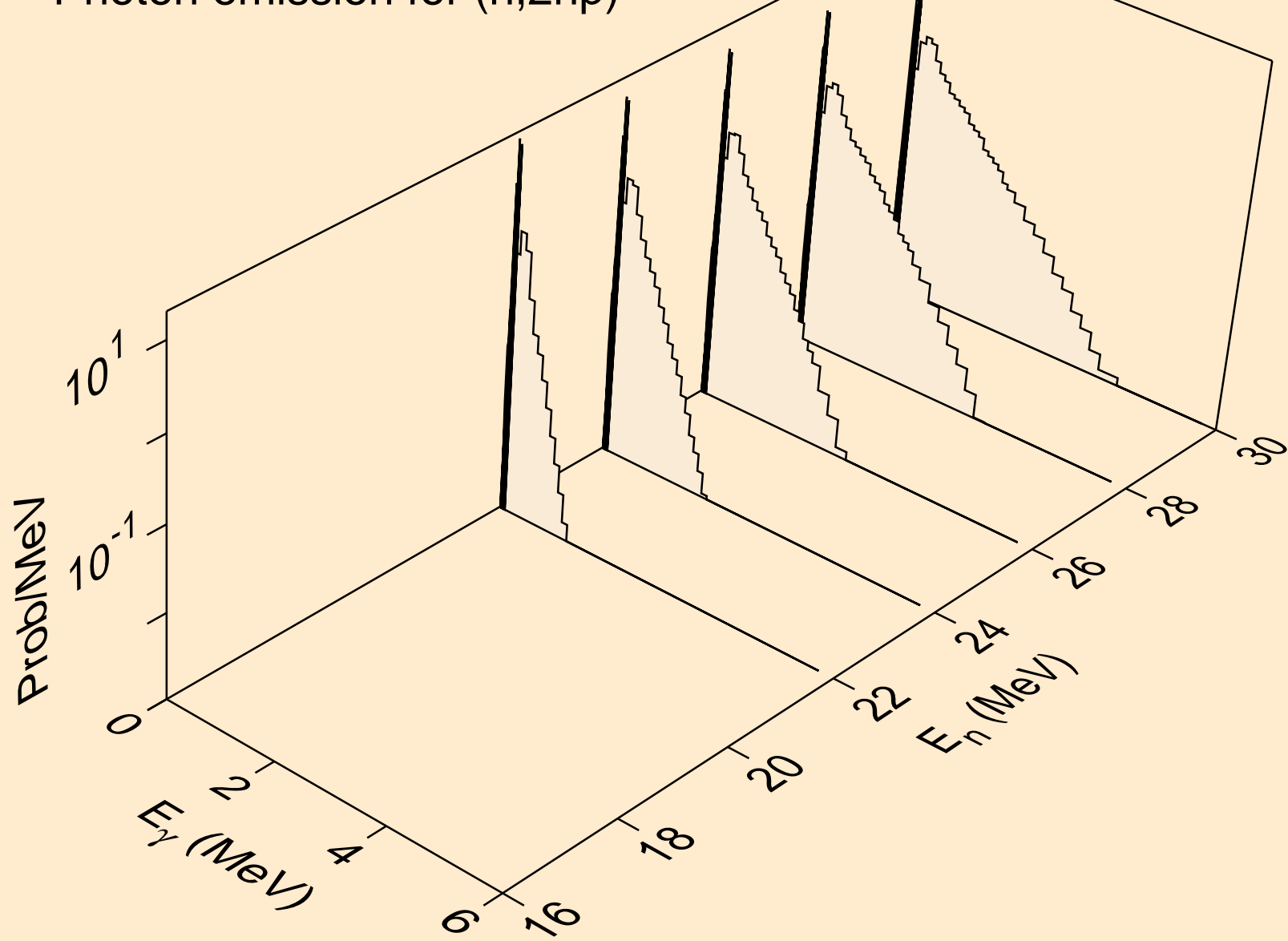
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Photon emission for (n,2np)



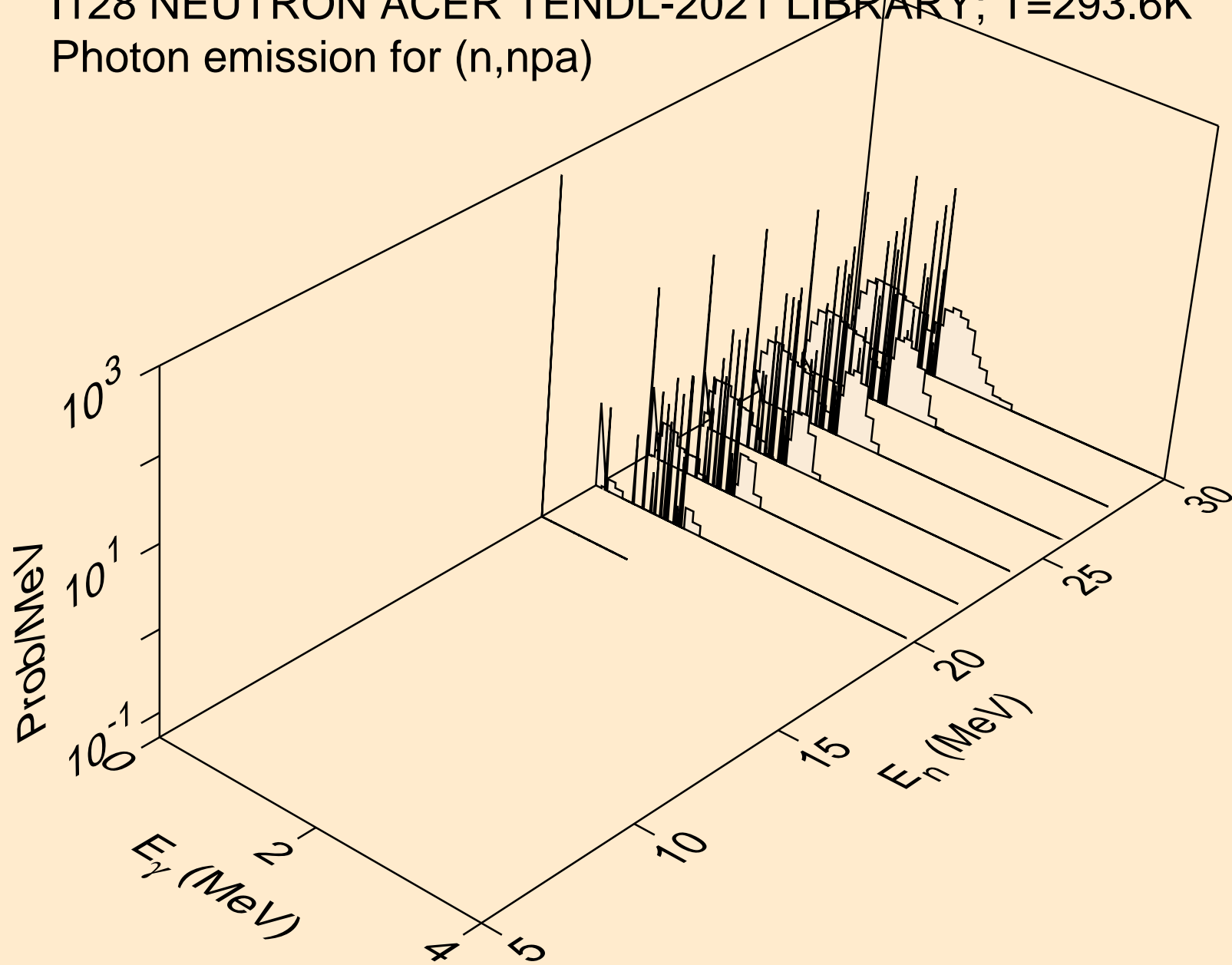
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3np)



I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)

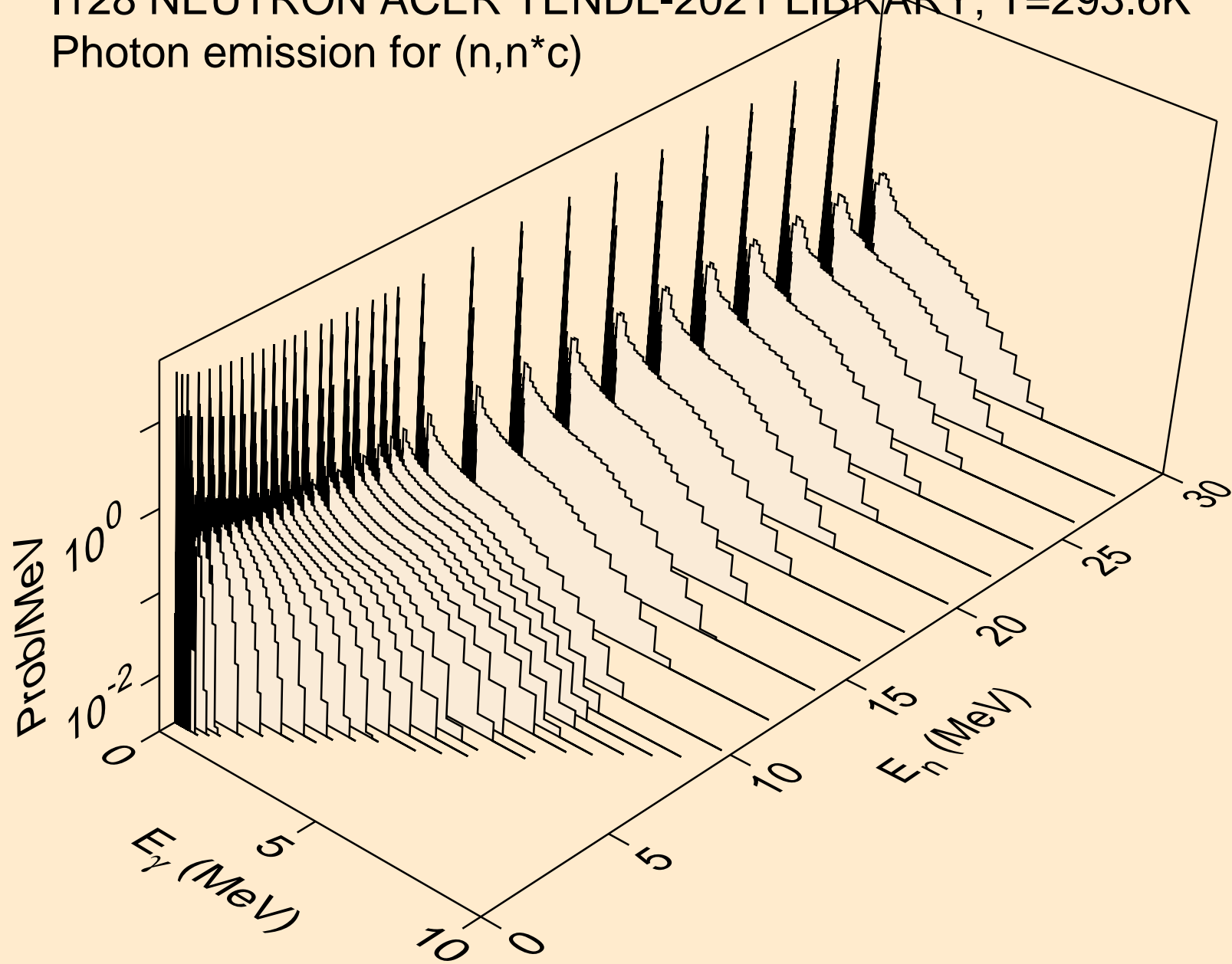


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Photon emission for (n,npa)

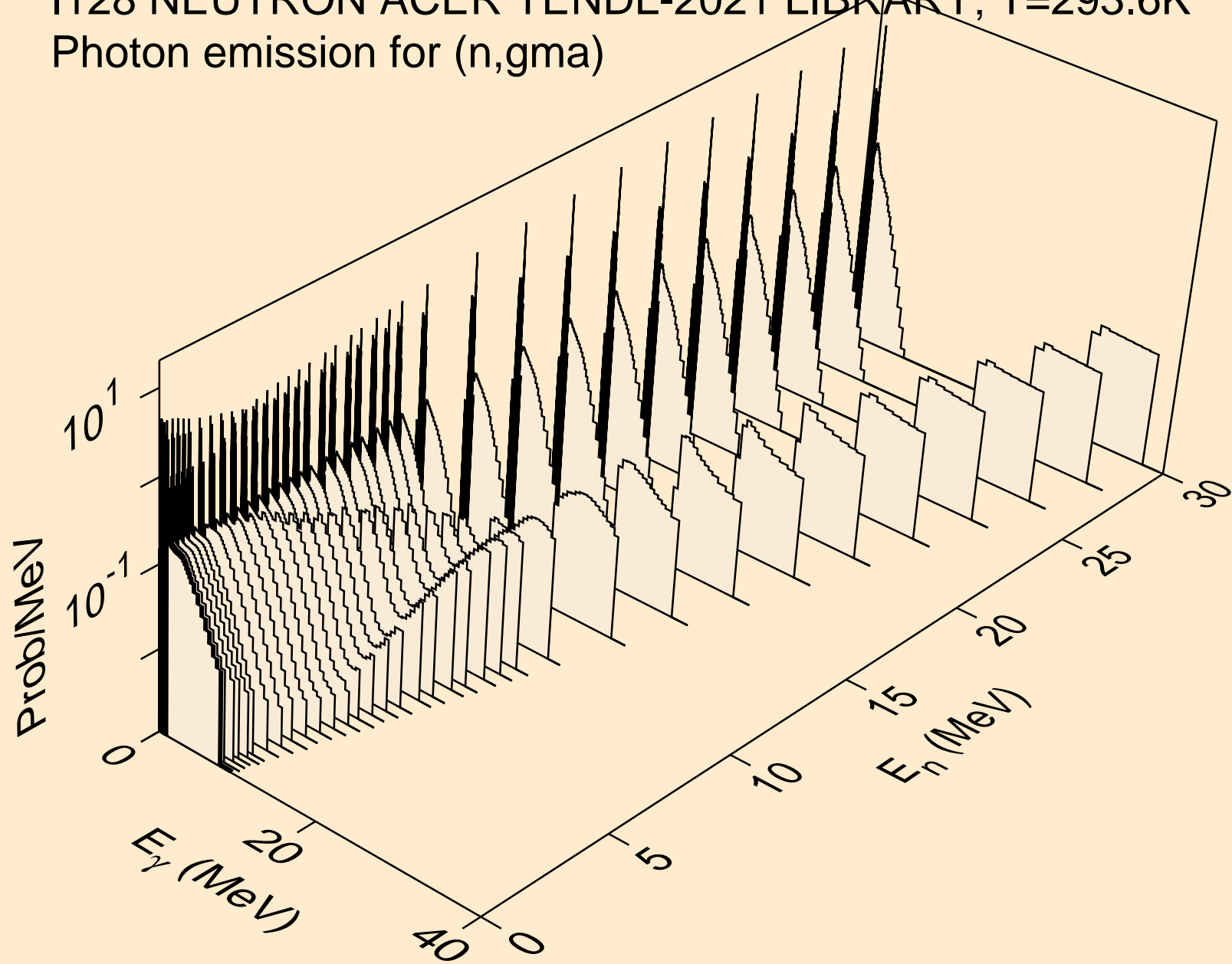




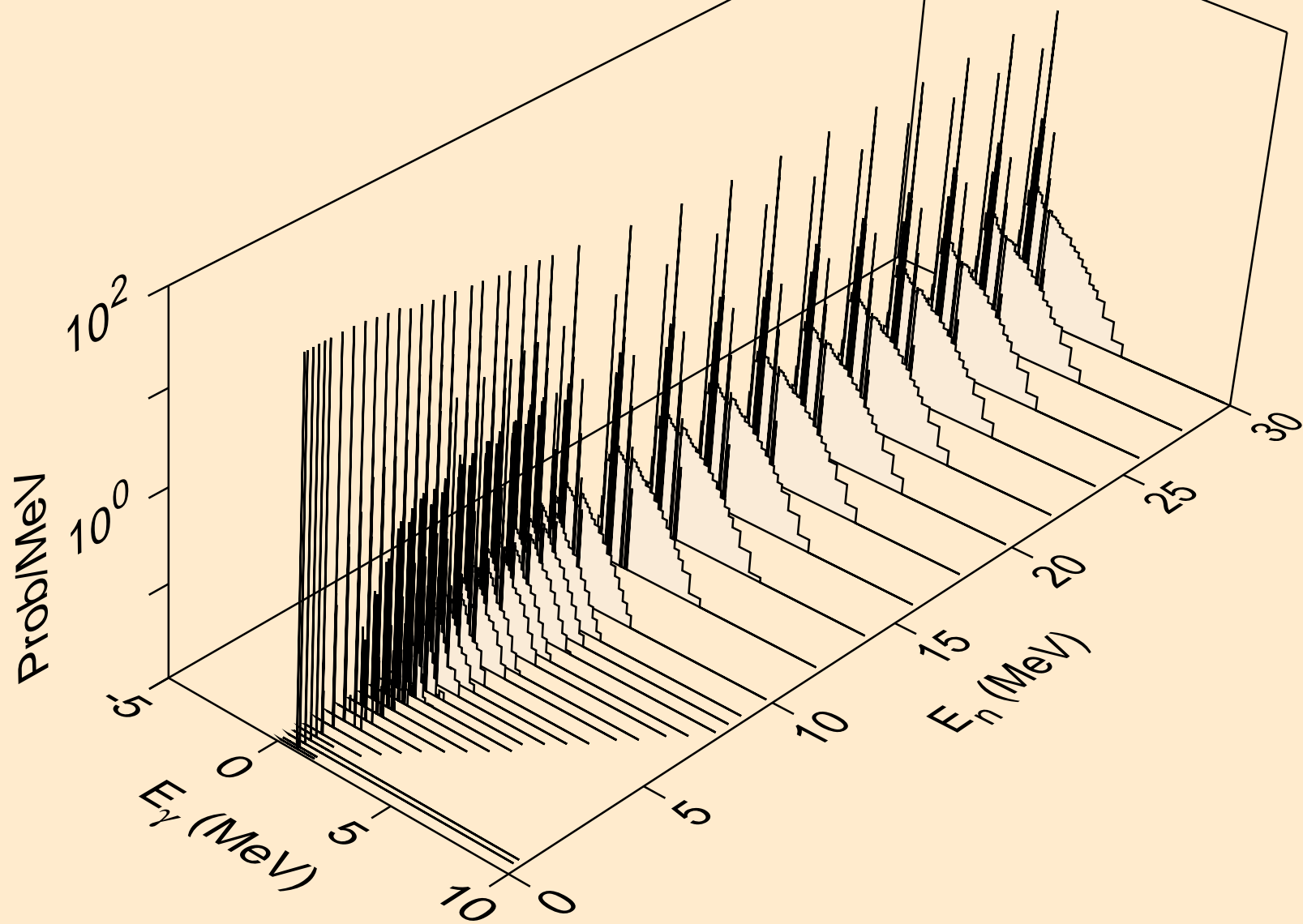
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Photon emission for (n,n\*c)



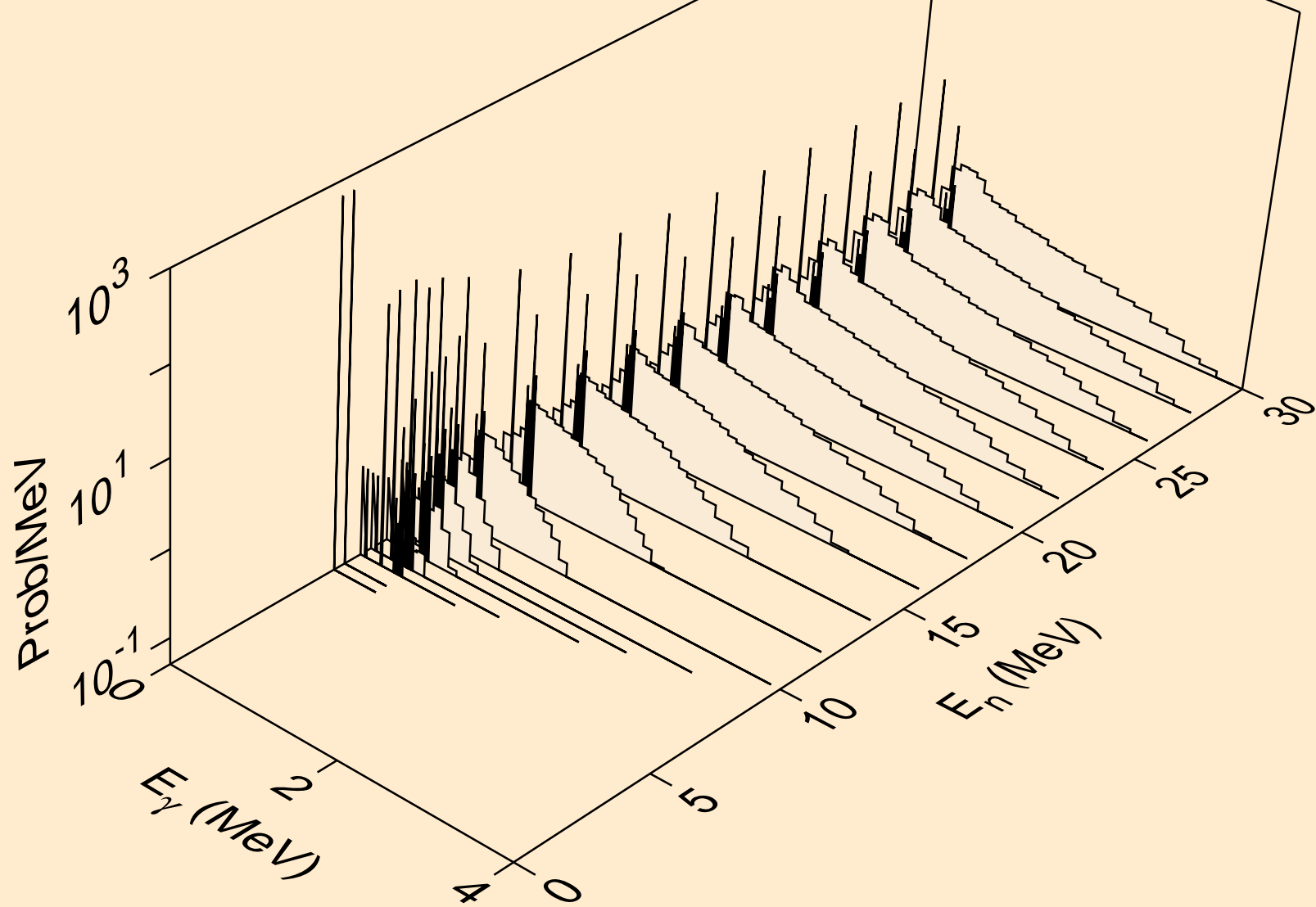
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Photon emission for (n,gma)



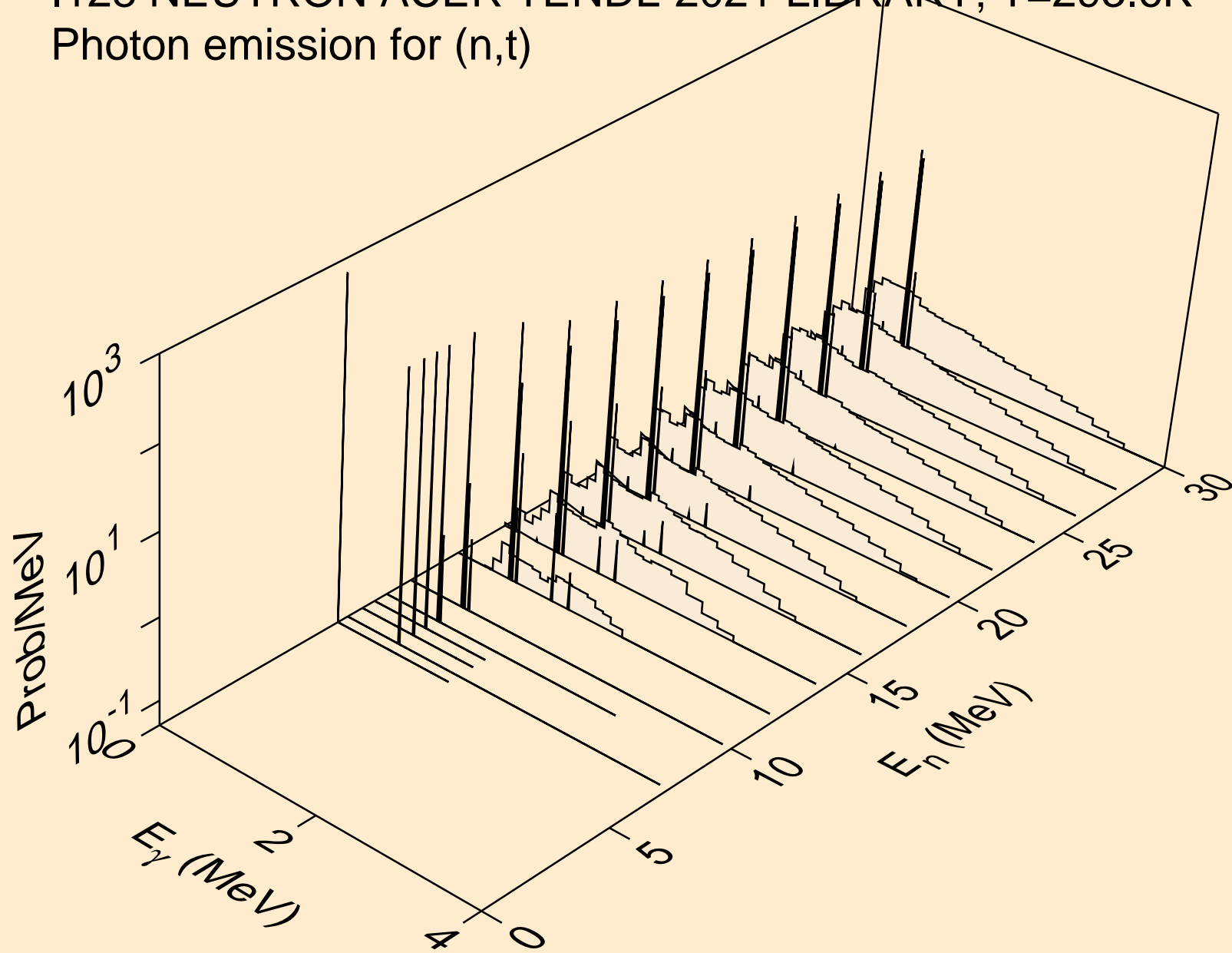
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Photon emission for (n,p)



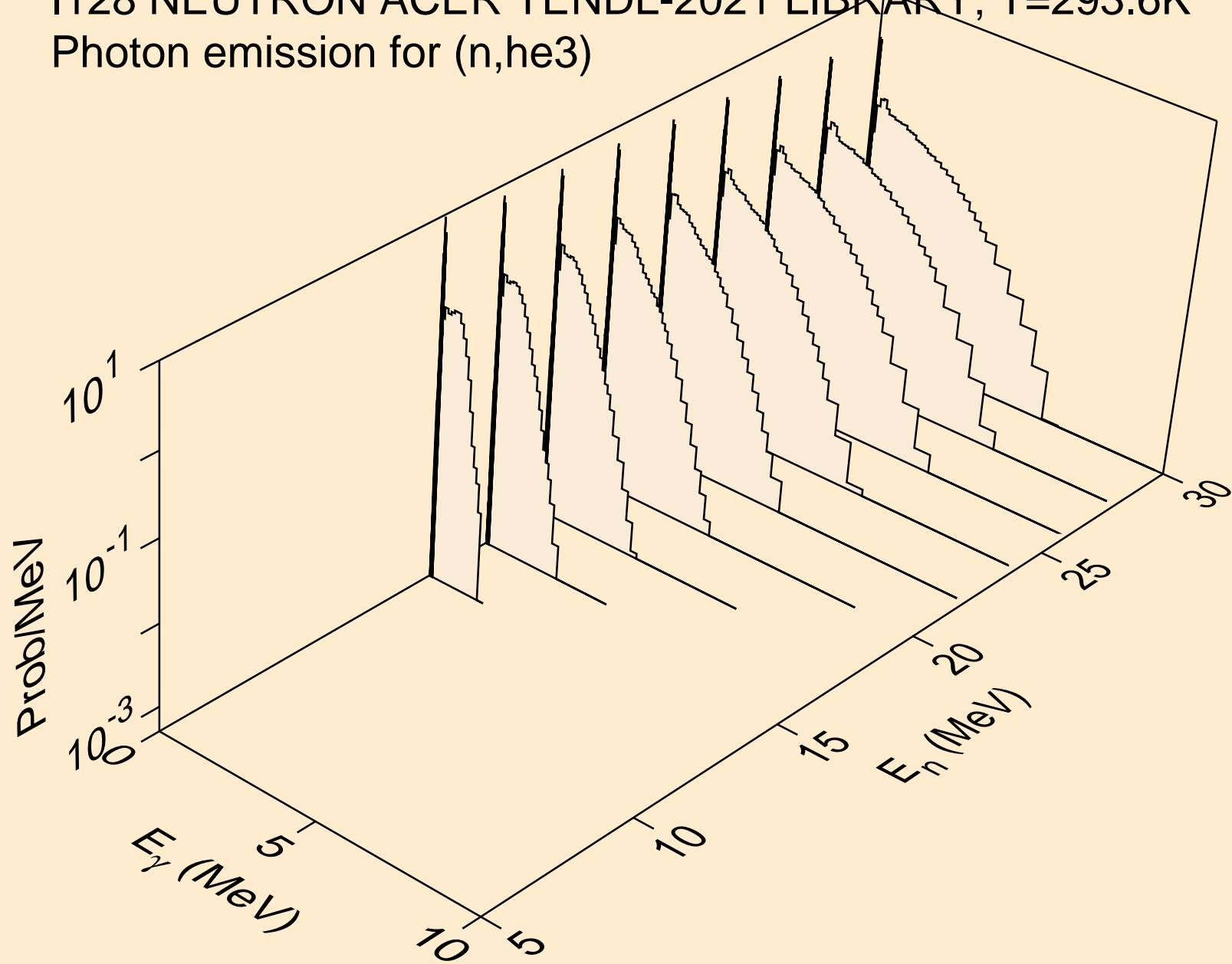
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Photon emission for (n,d)



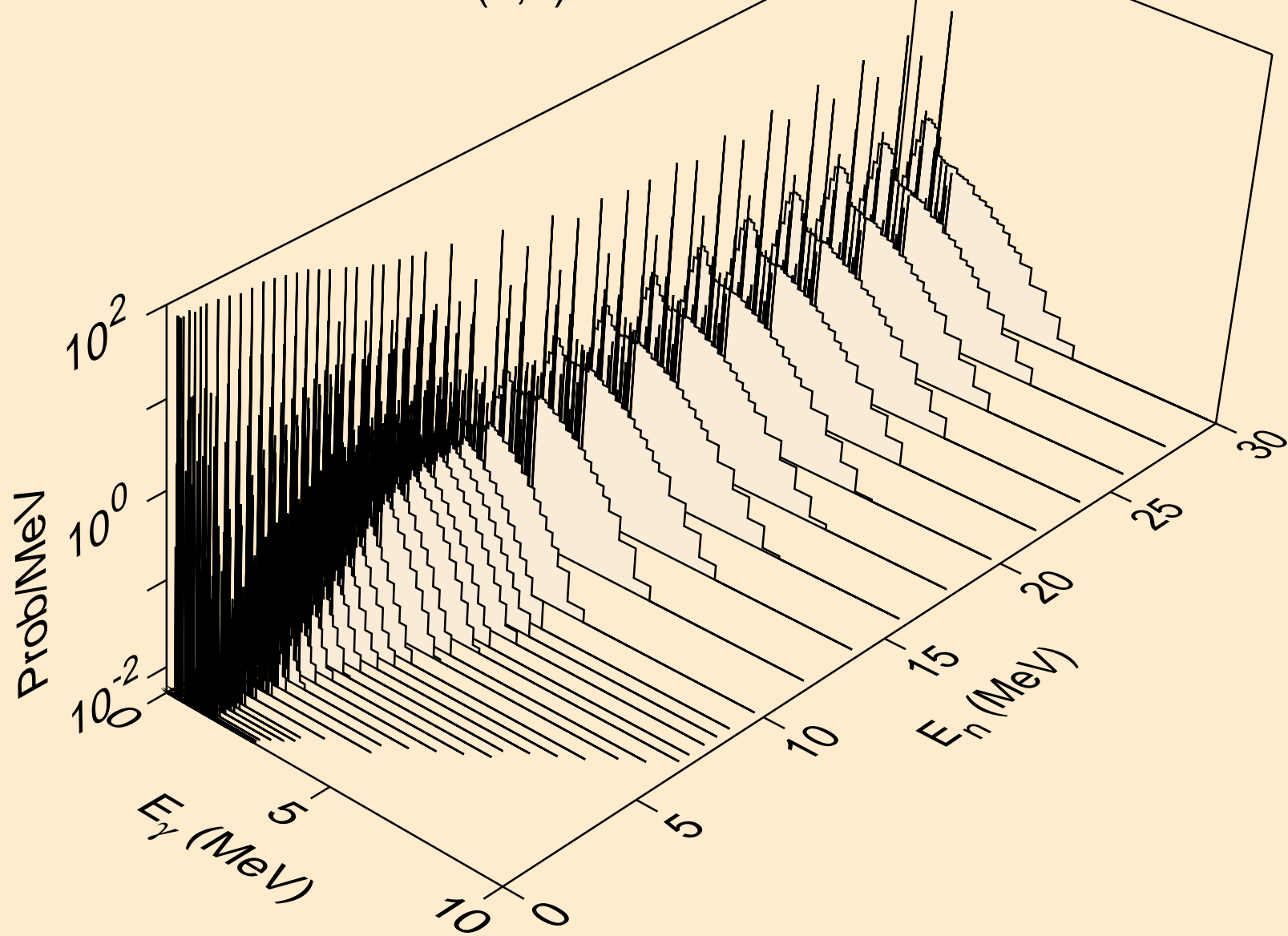
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Photon emission for (n,t)



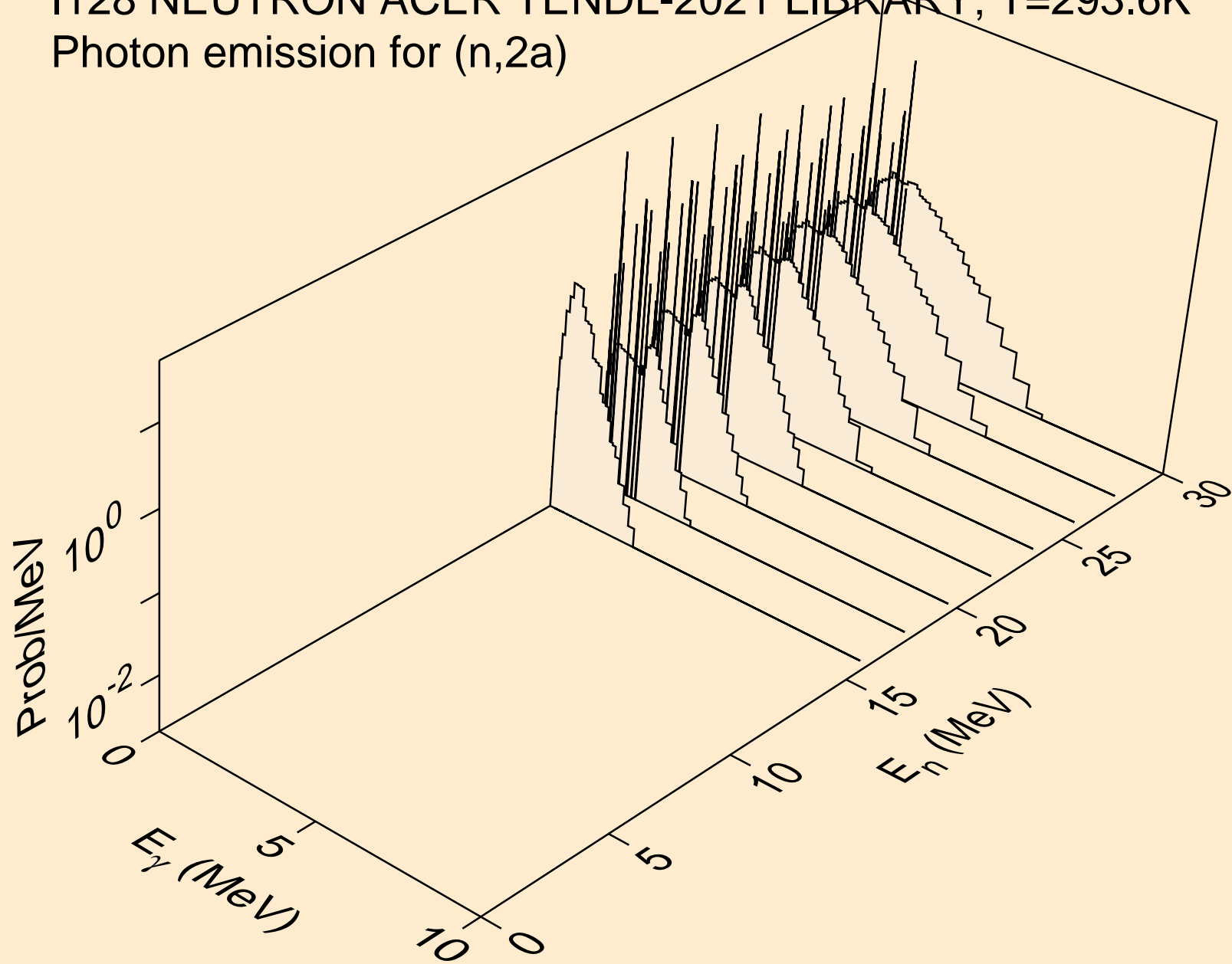
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Photon emission for (n,he3)



I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,a)

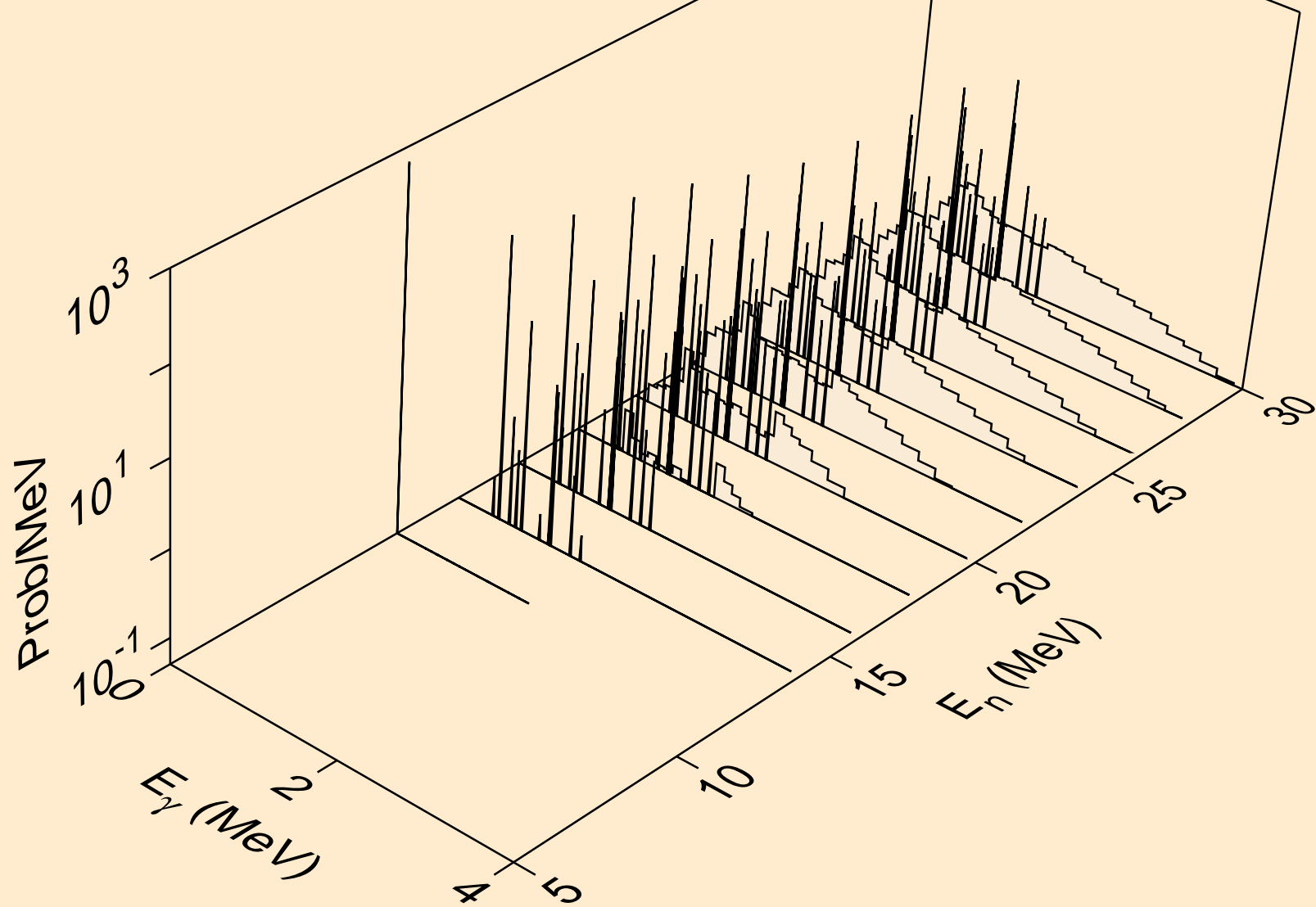


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Photon emission for (n,2a)

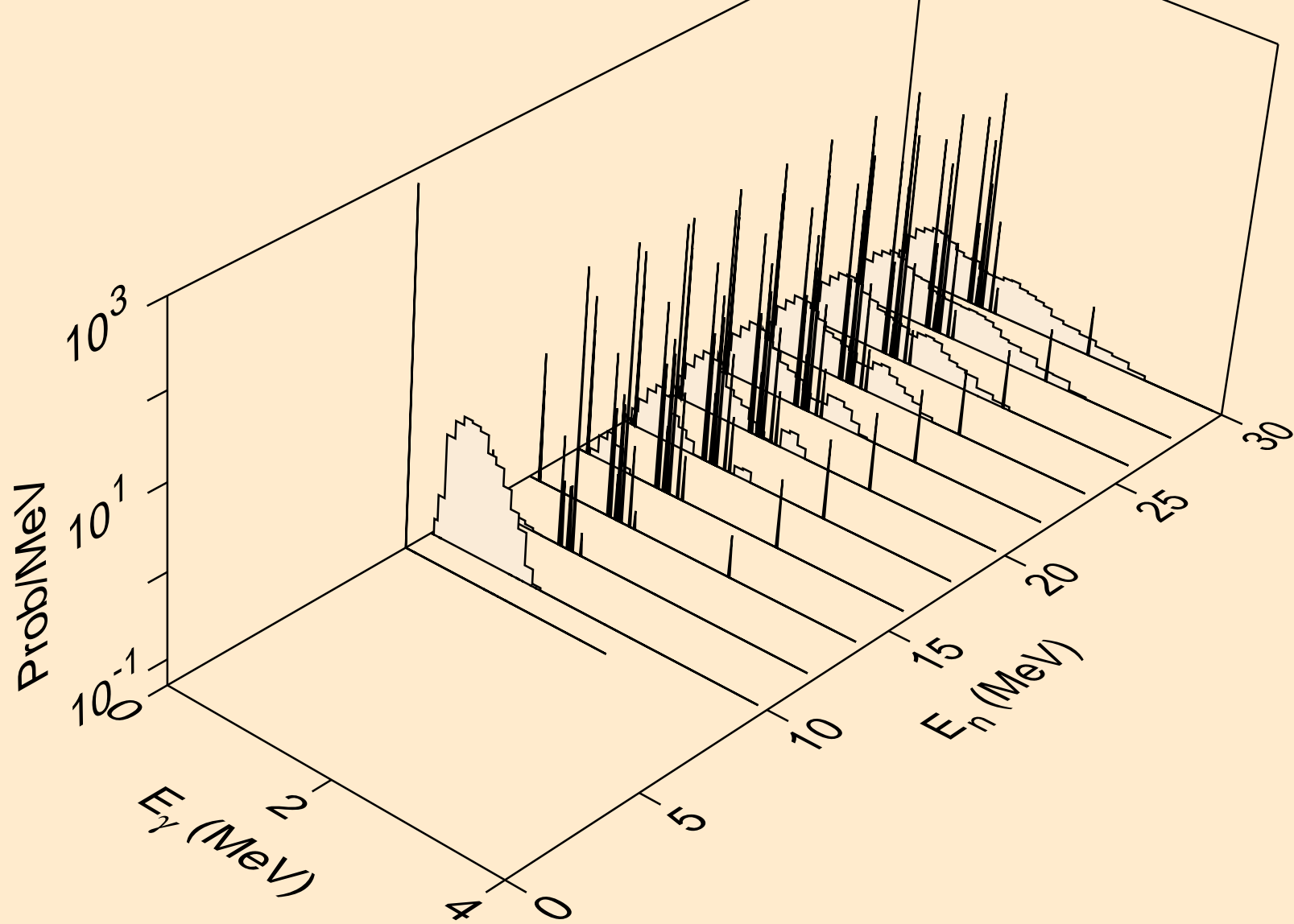




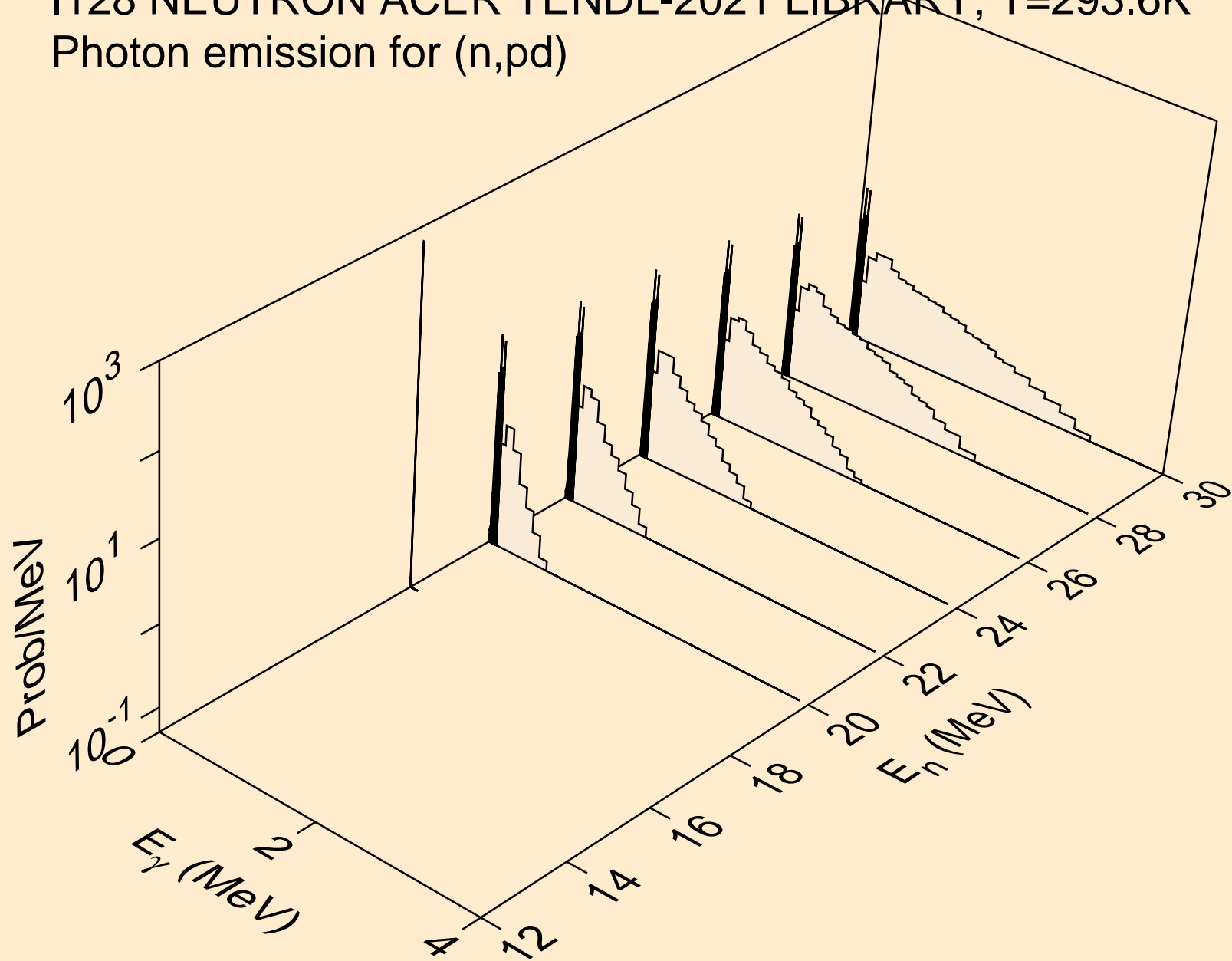
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Photon emission for (n,2p)



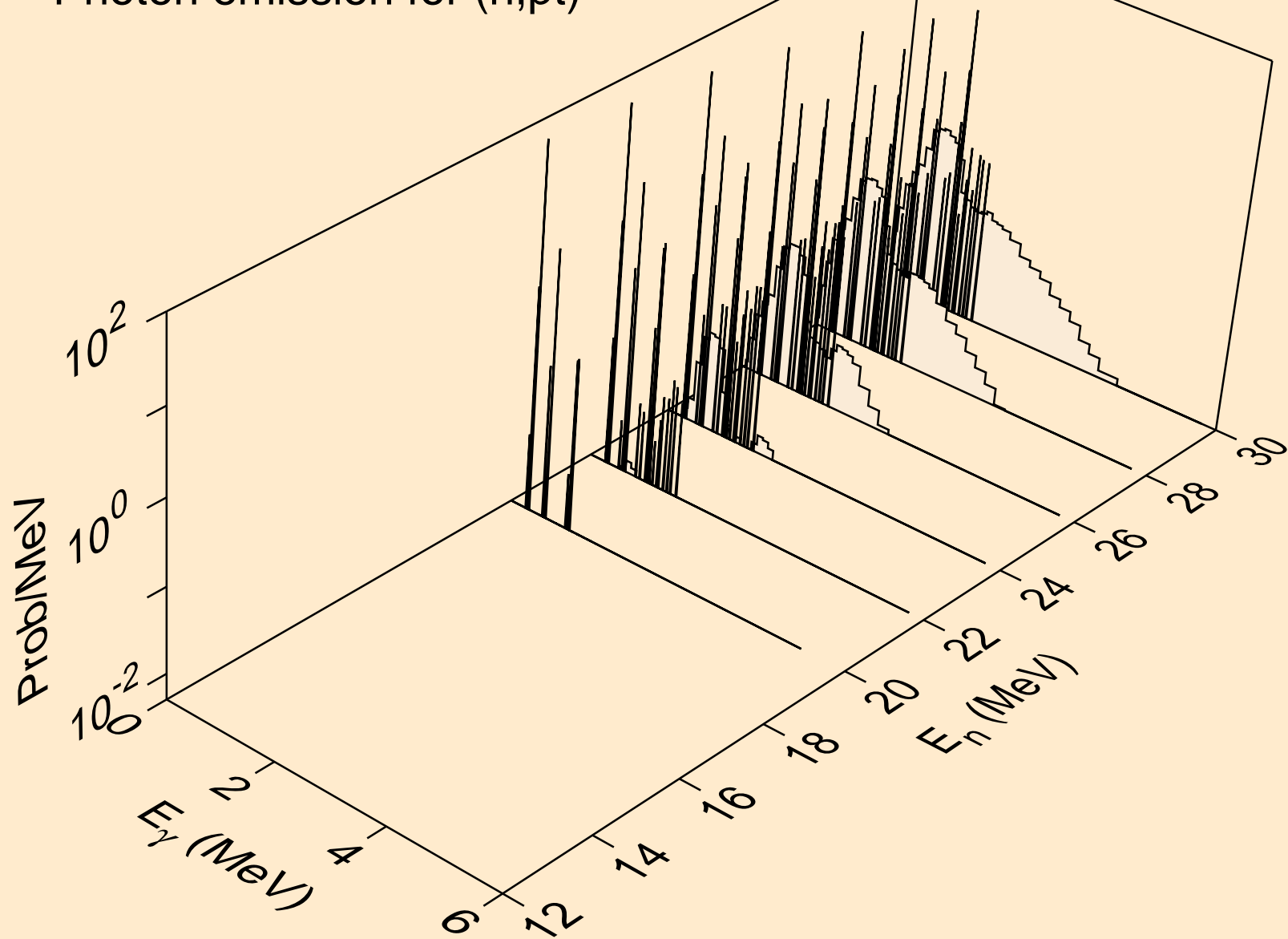
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Photon emission for (n,p)



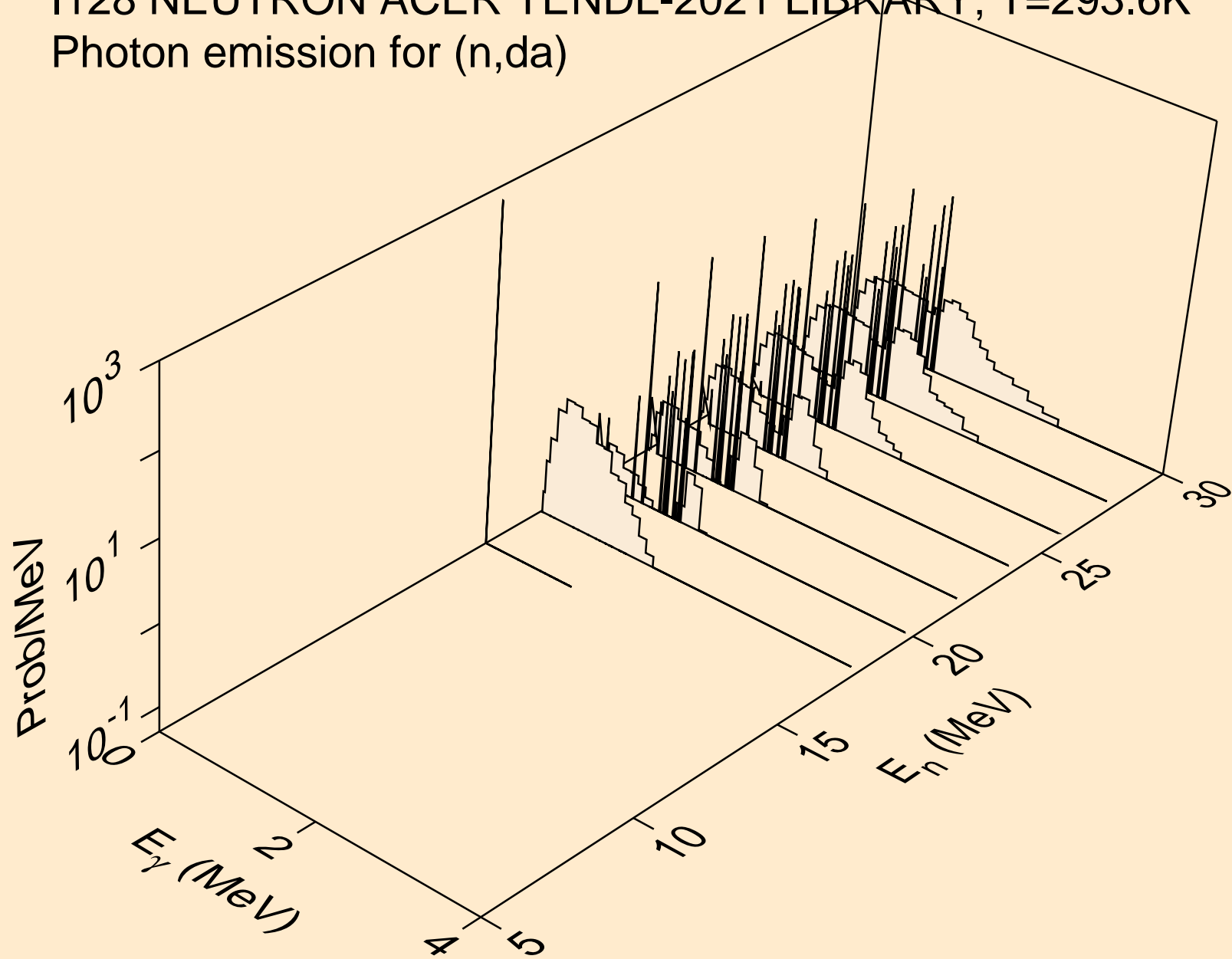
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Photon emission for (n,pd)



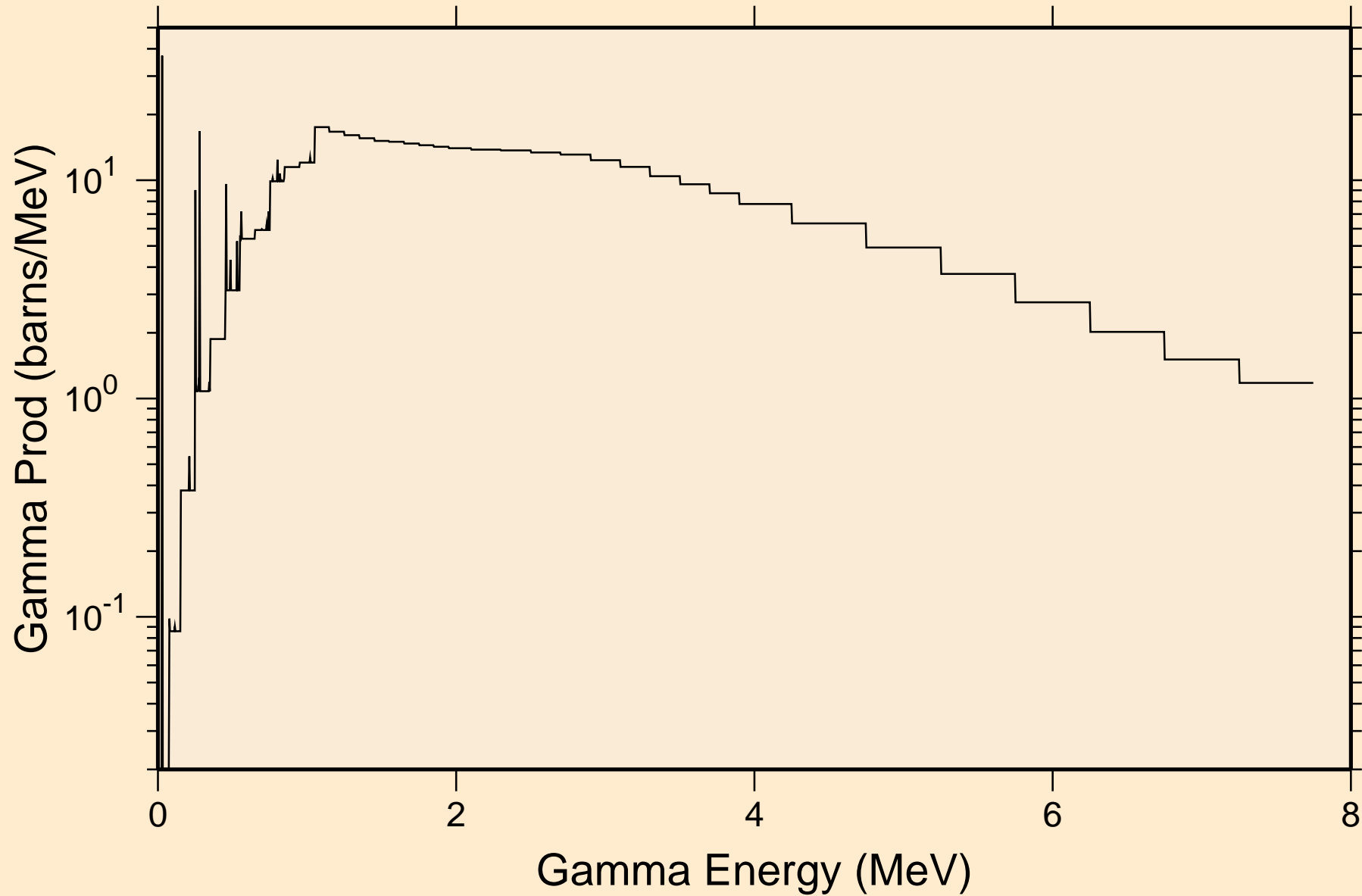
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Photon emission for (n,pt)



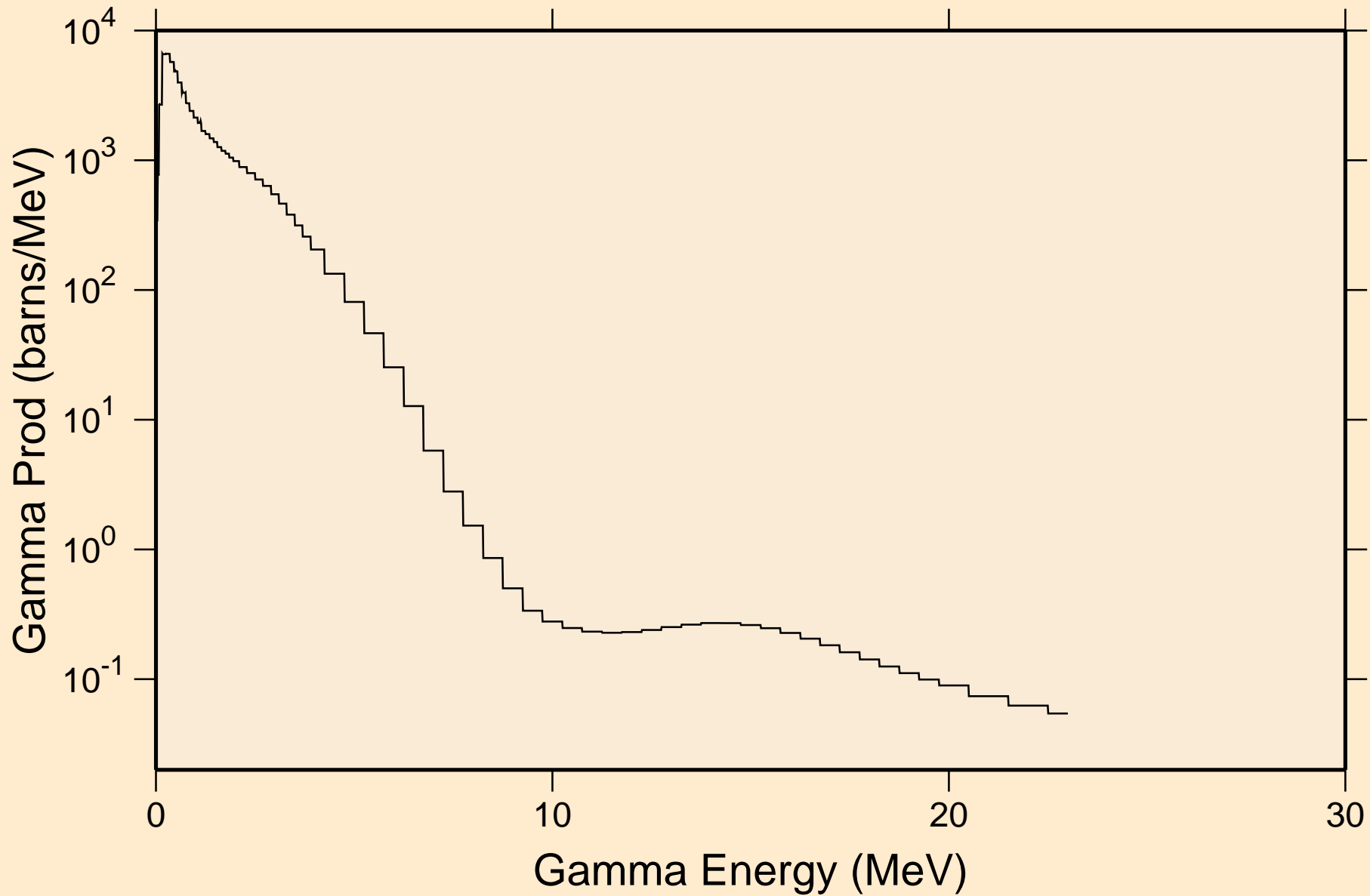
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Photon emission for (n,da)



I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum

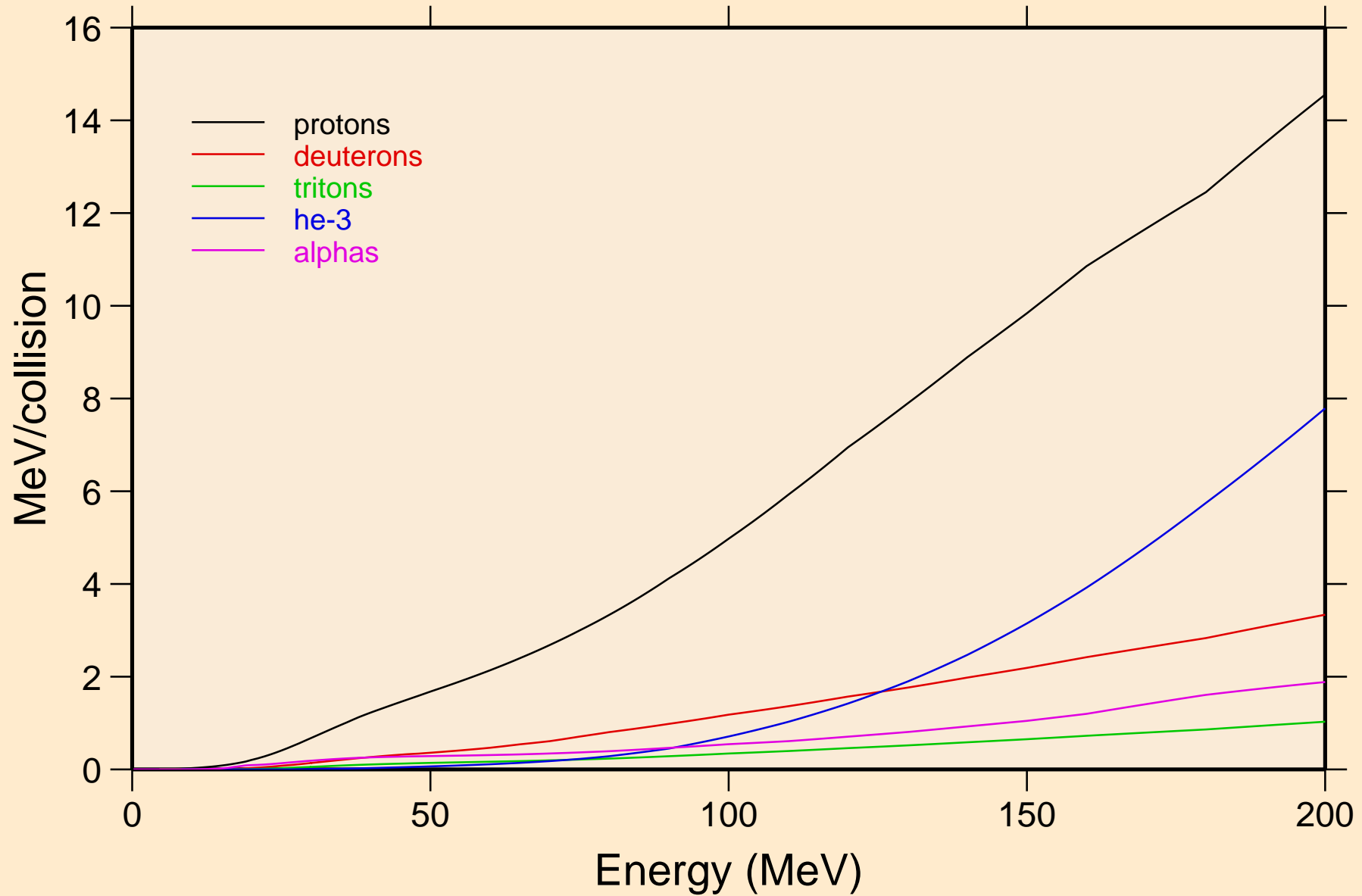


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14 MeV photon spectrum



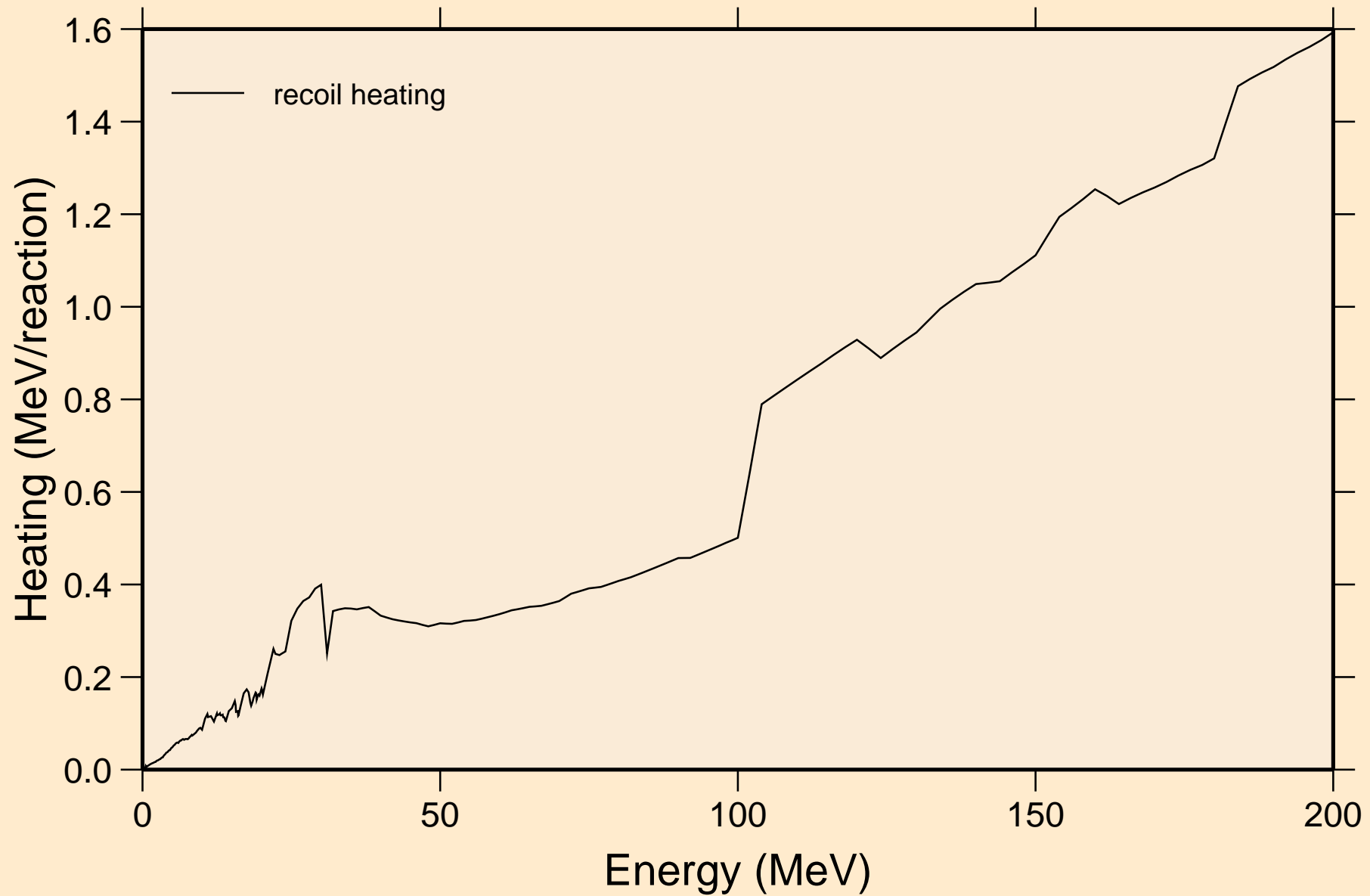
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## Particle heating contributions



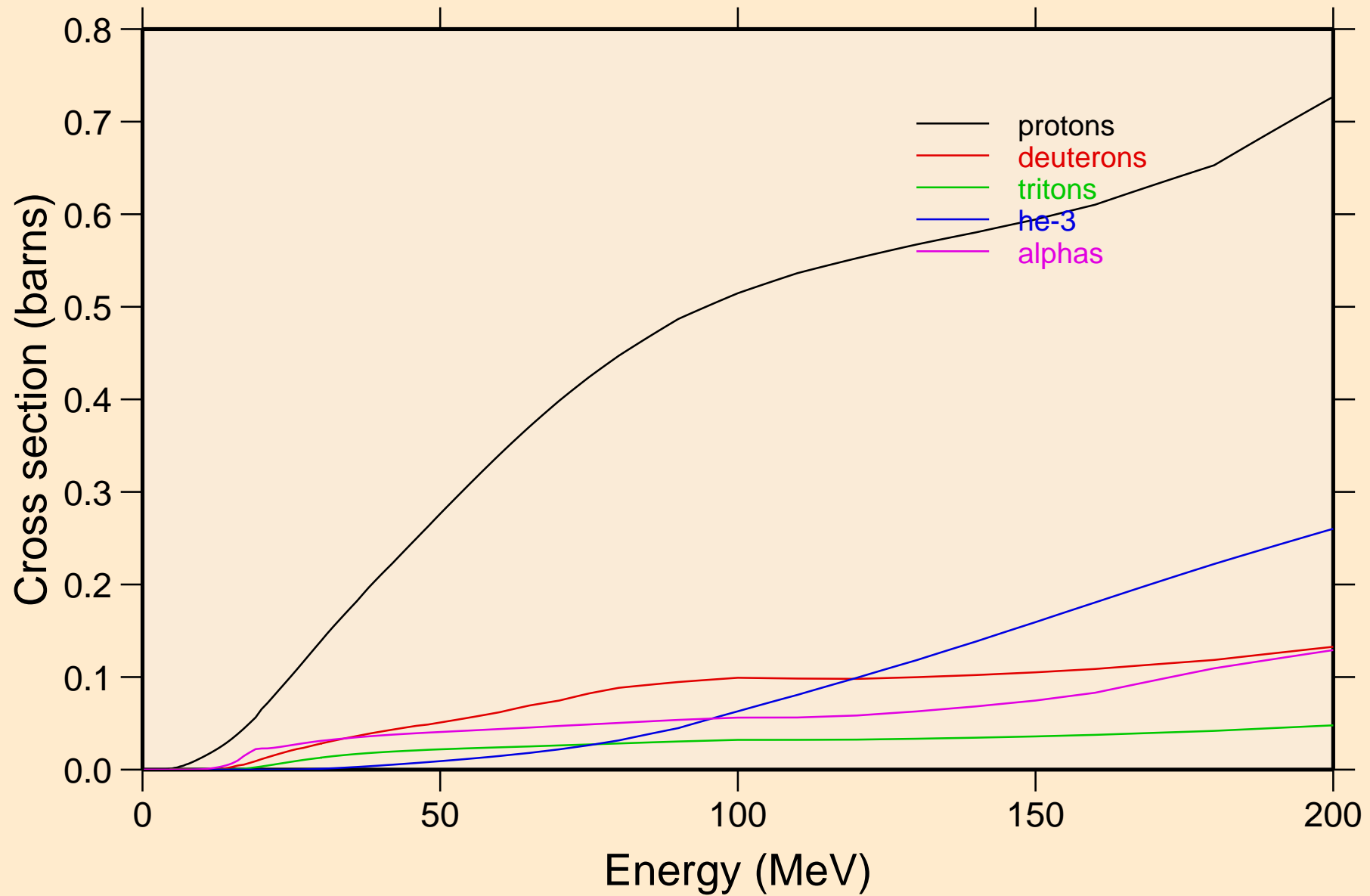


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Recoil Heating

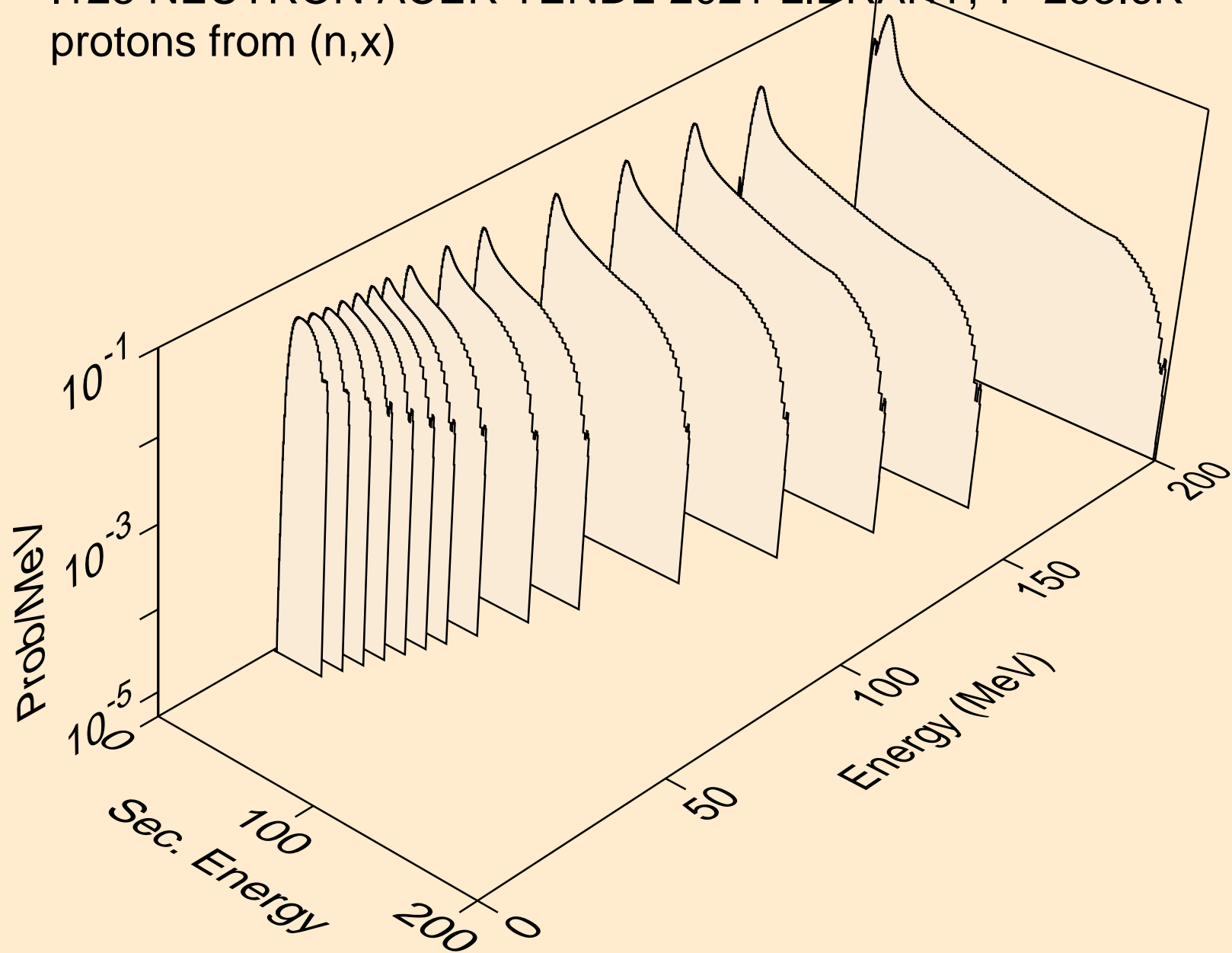


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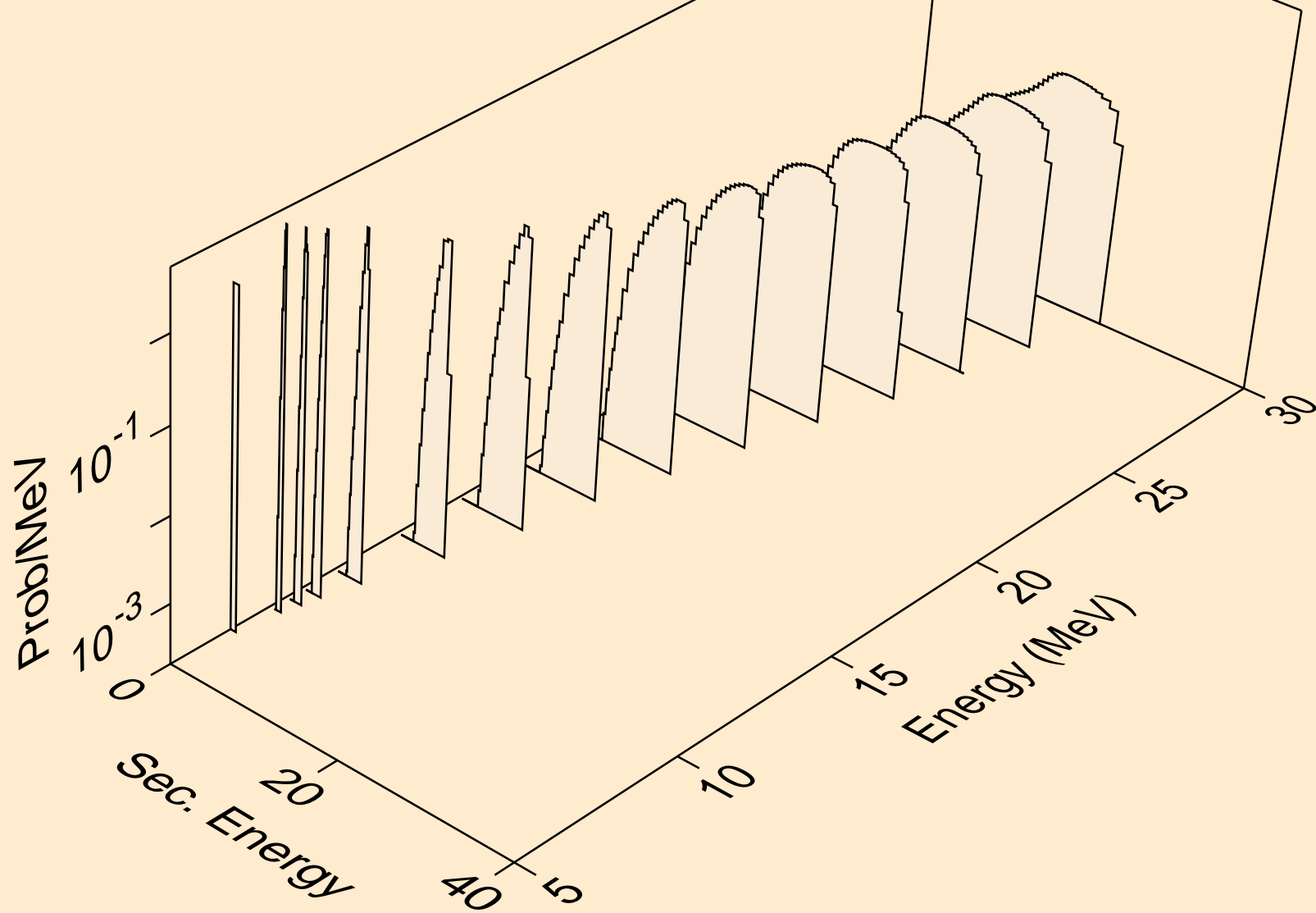
## Particle production cross sections



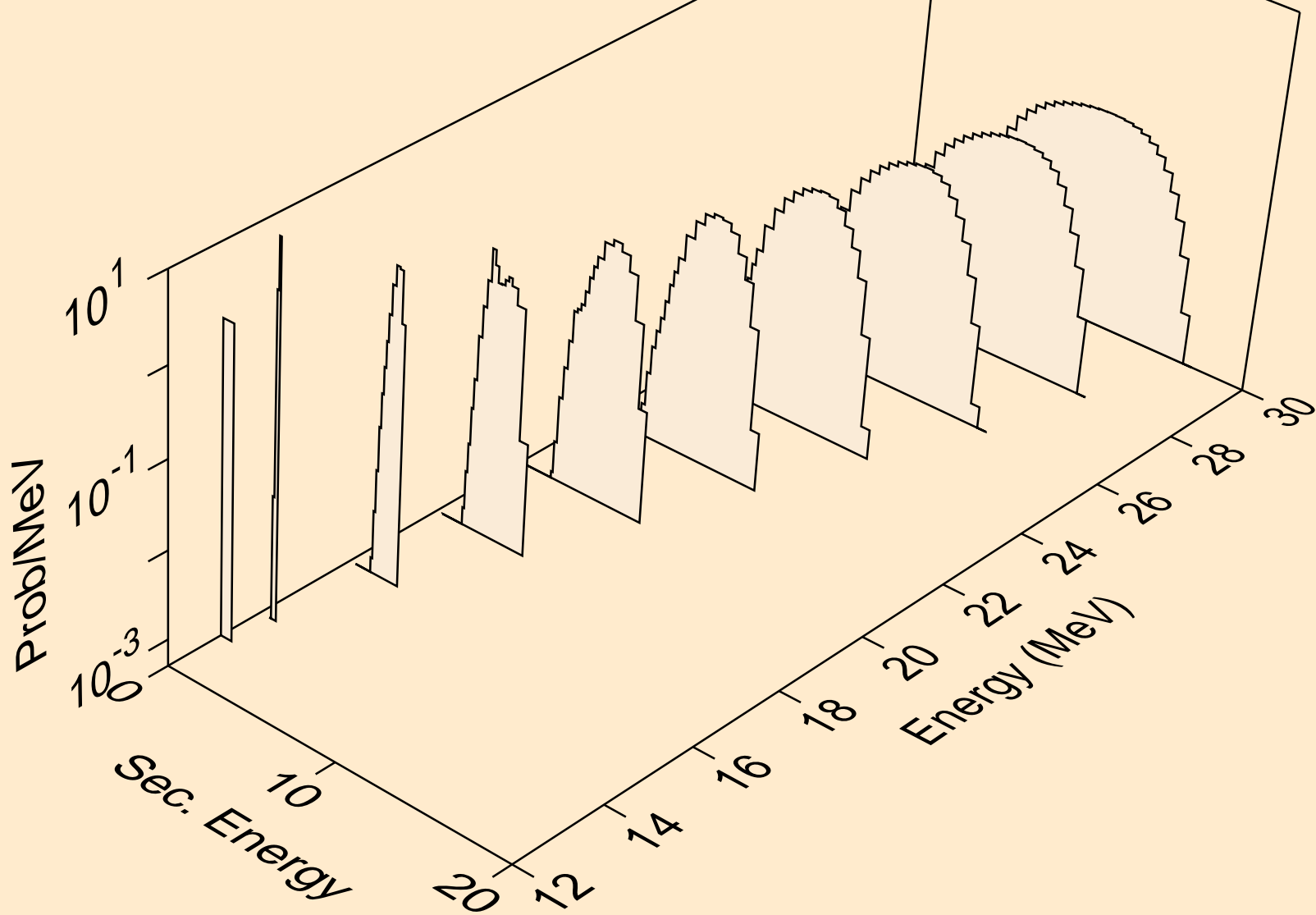
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protons from (n,x)



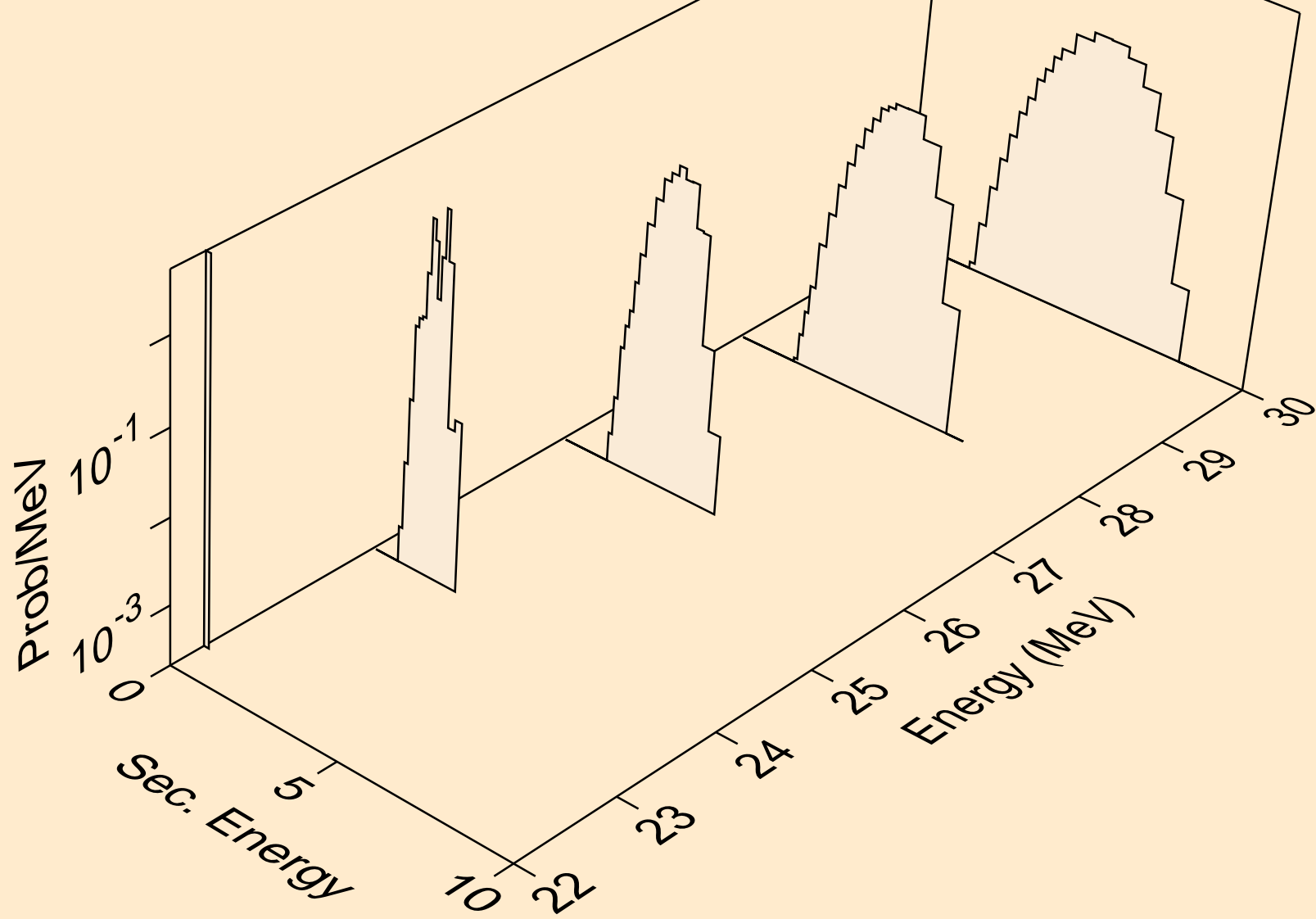
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protons from (n,n\*)p



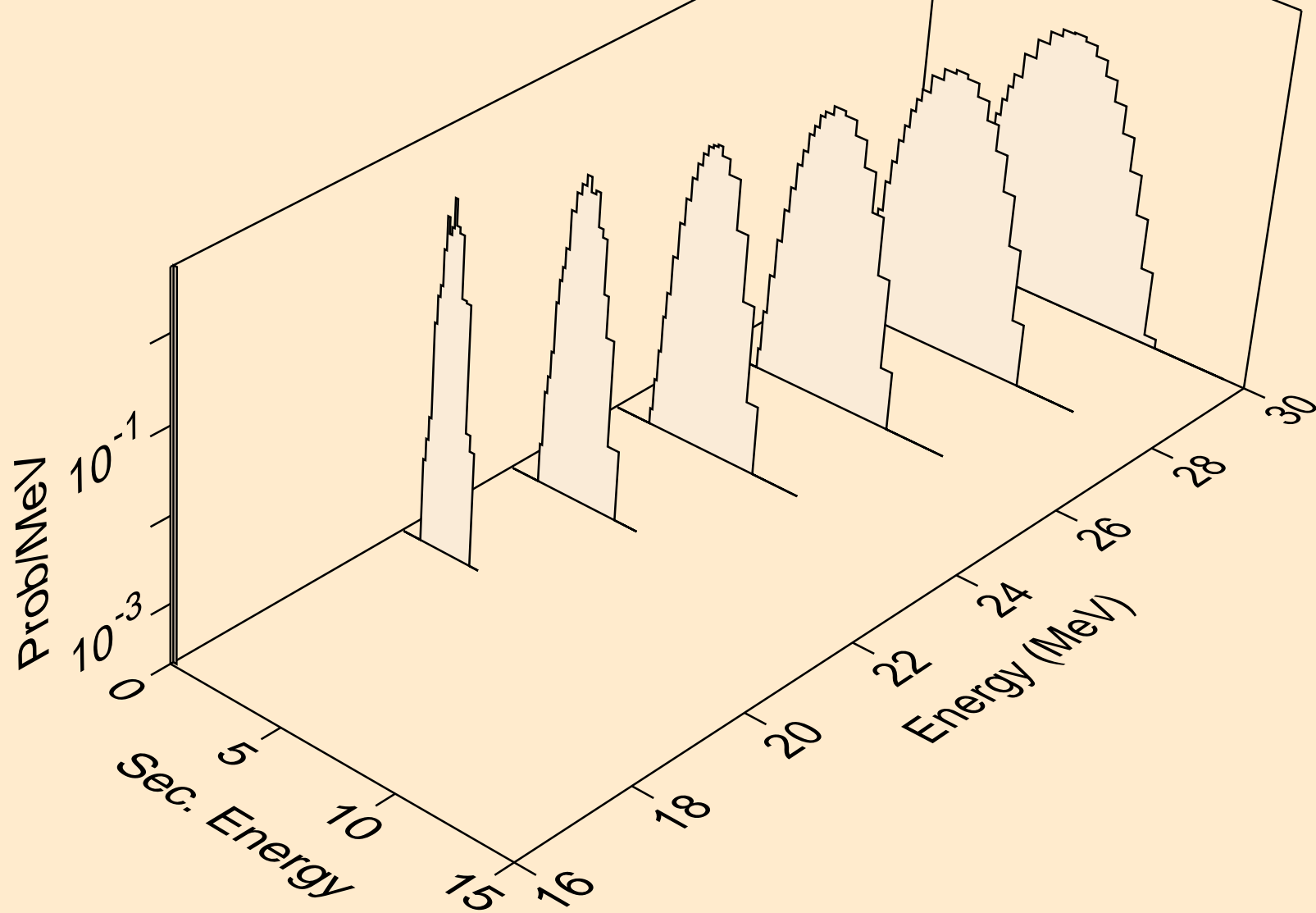
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protons from (n,2np)



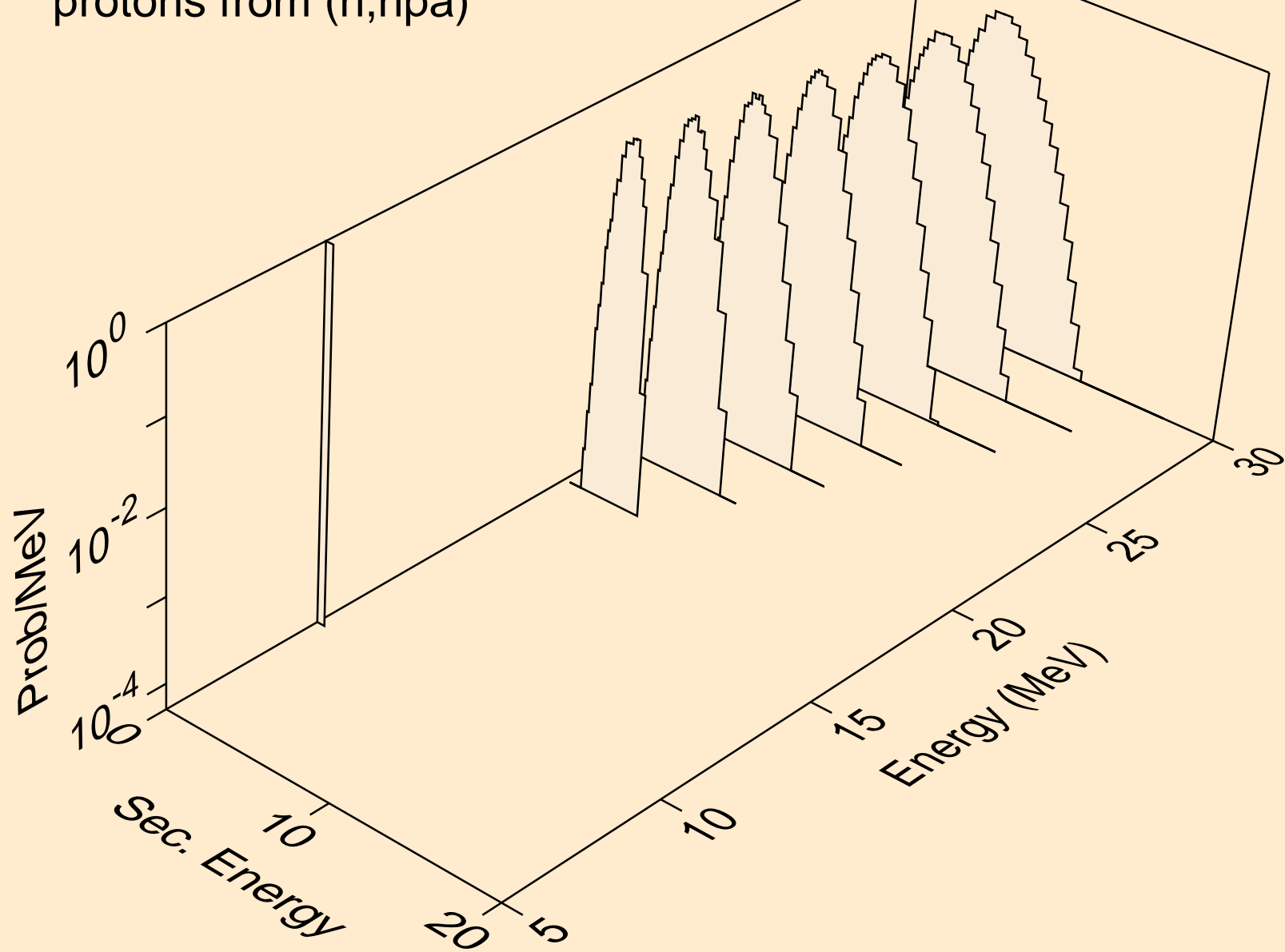
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protons from (n,3np)



I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
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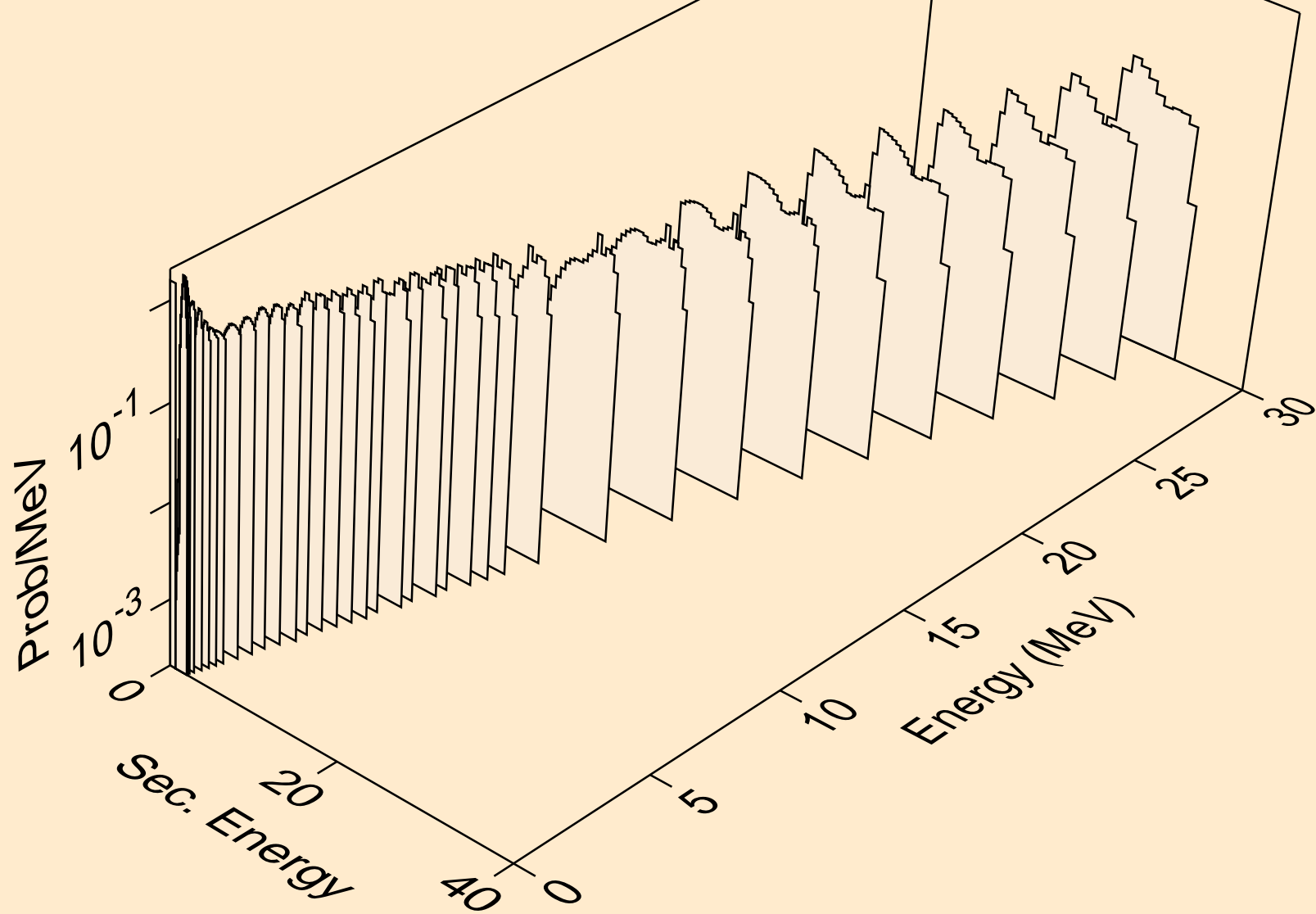


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protons from (n,npa)

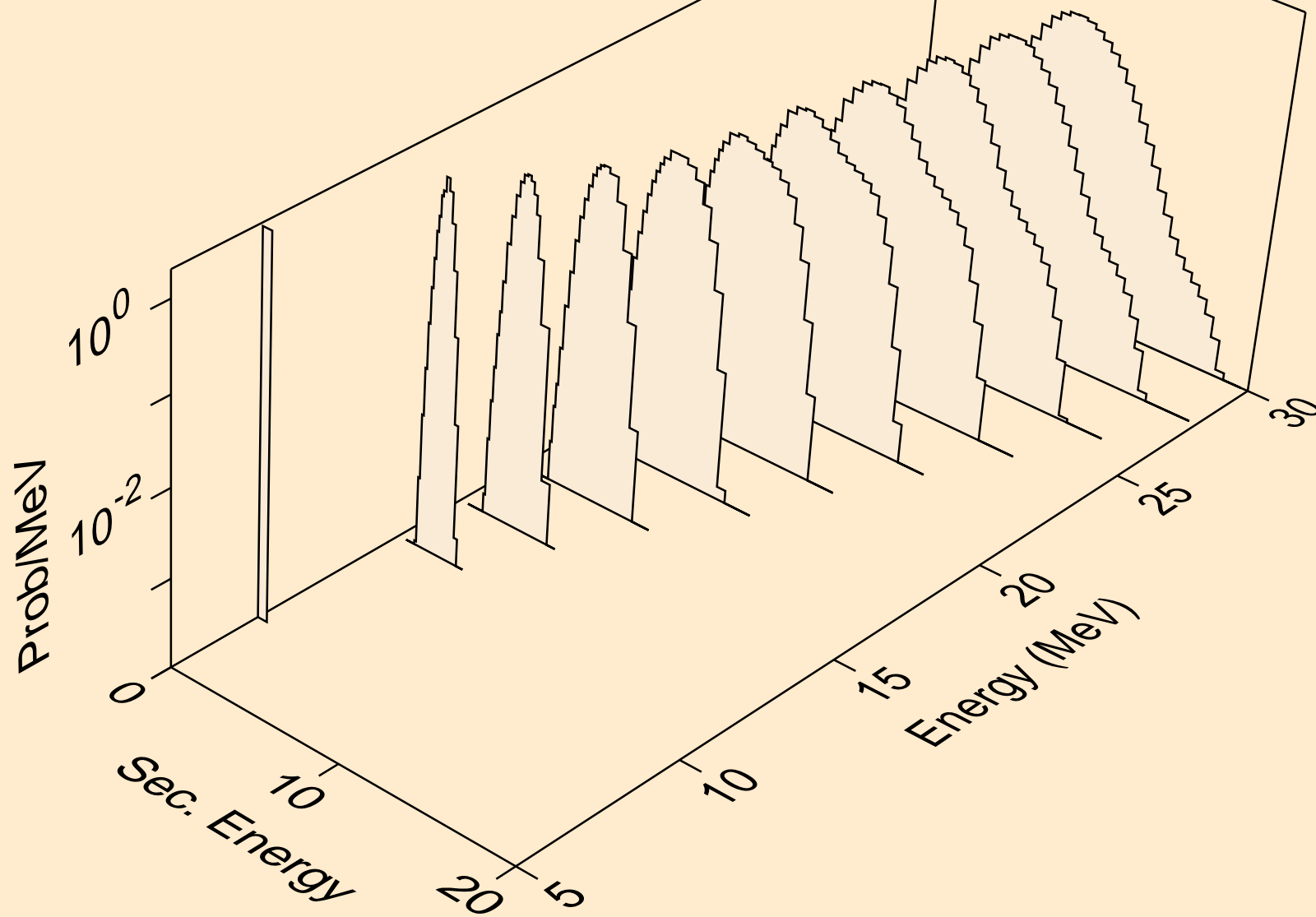




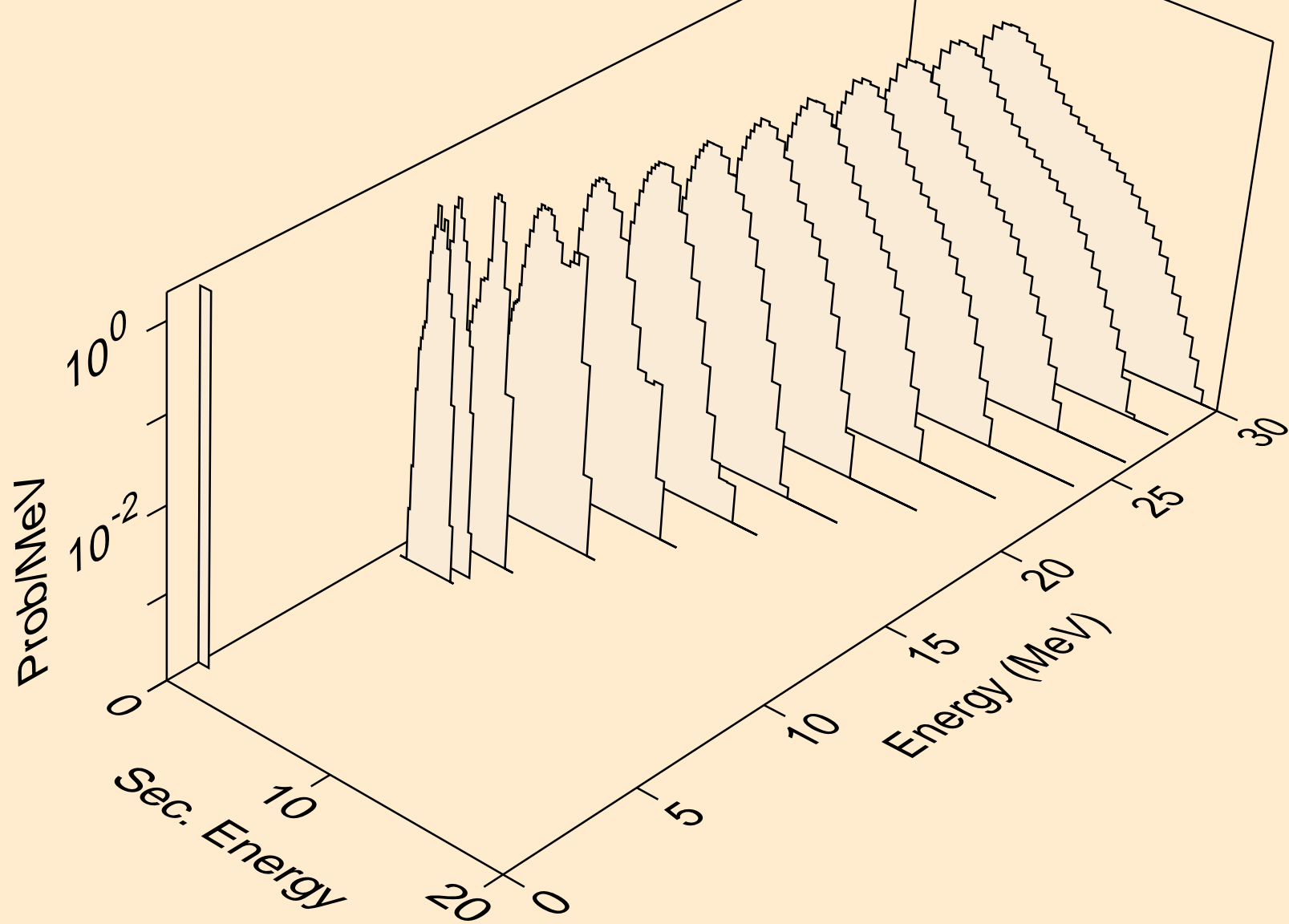
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protons from (n,p)



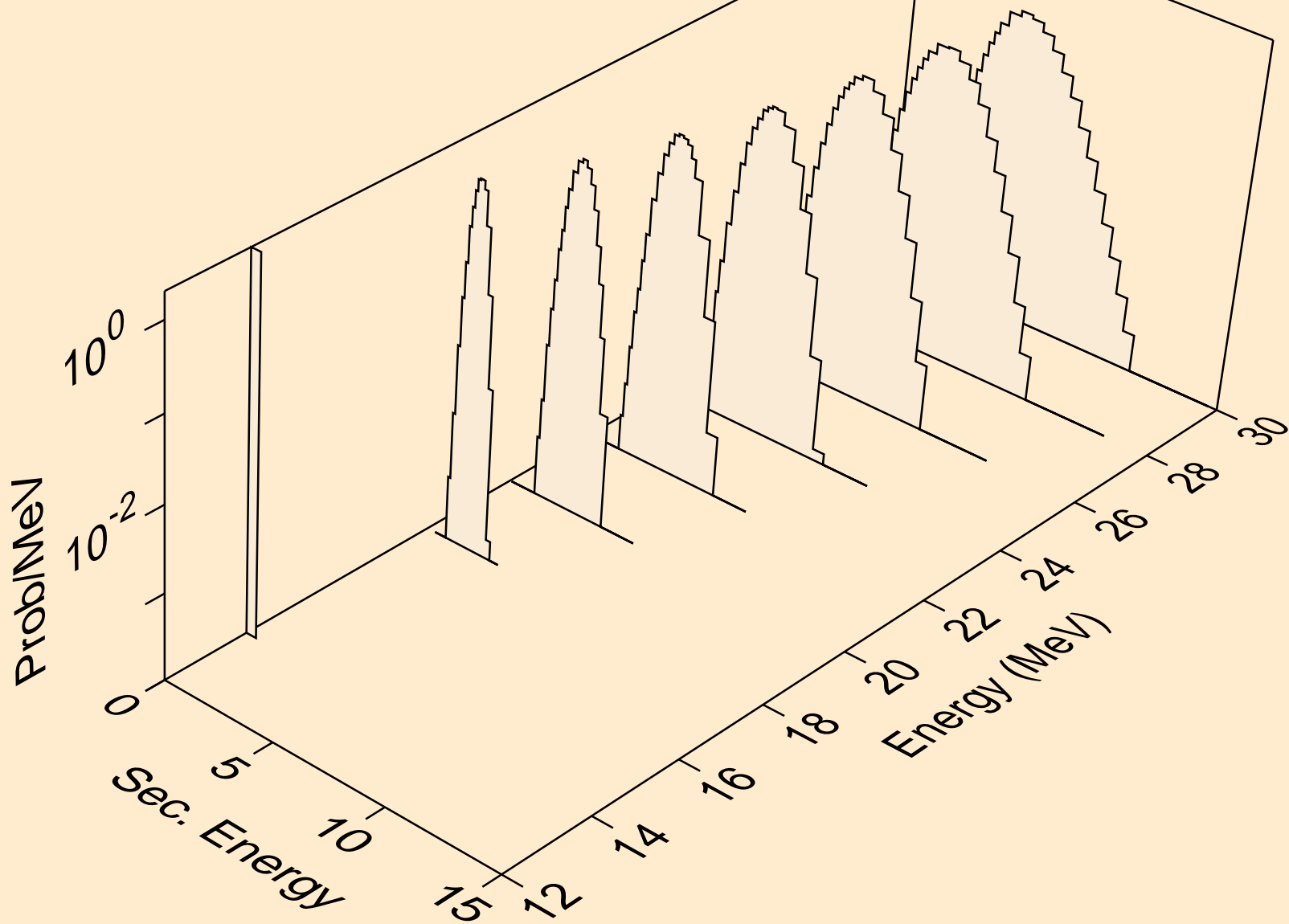
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protons from (n,2p)



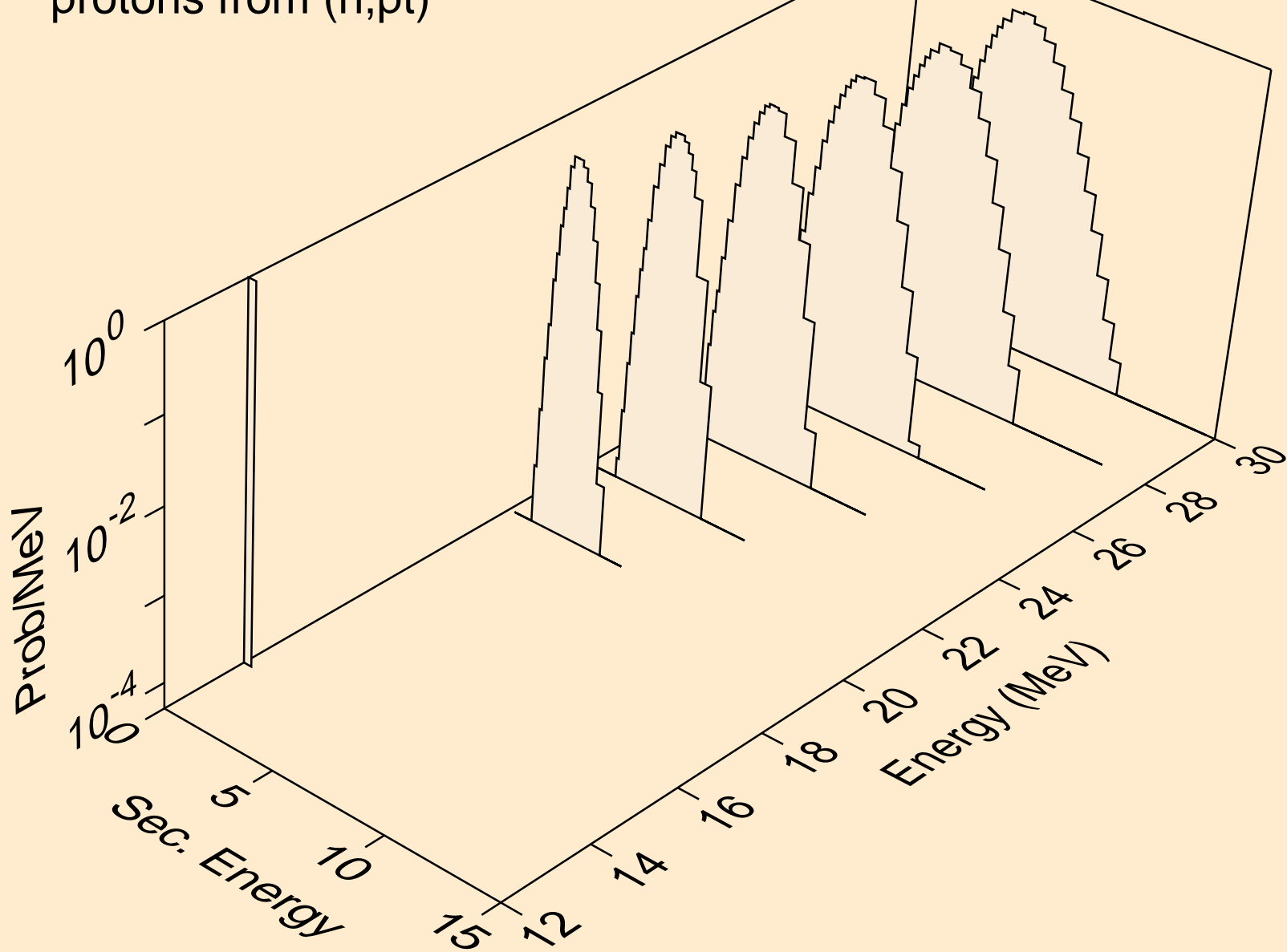
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protons from (n,p)



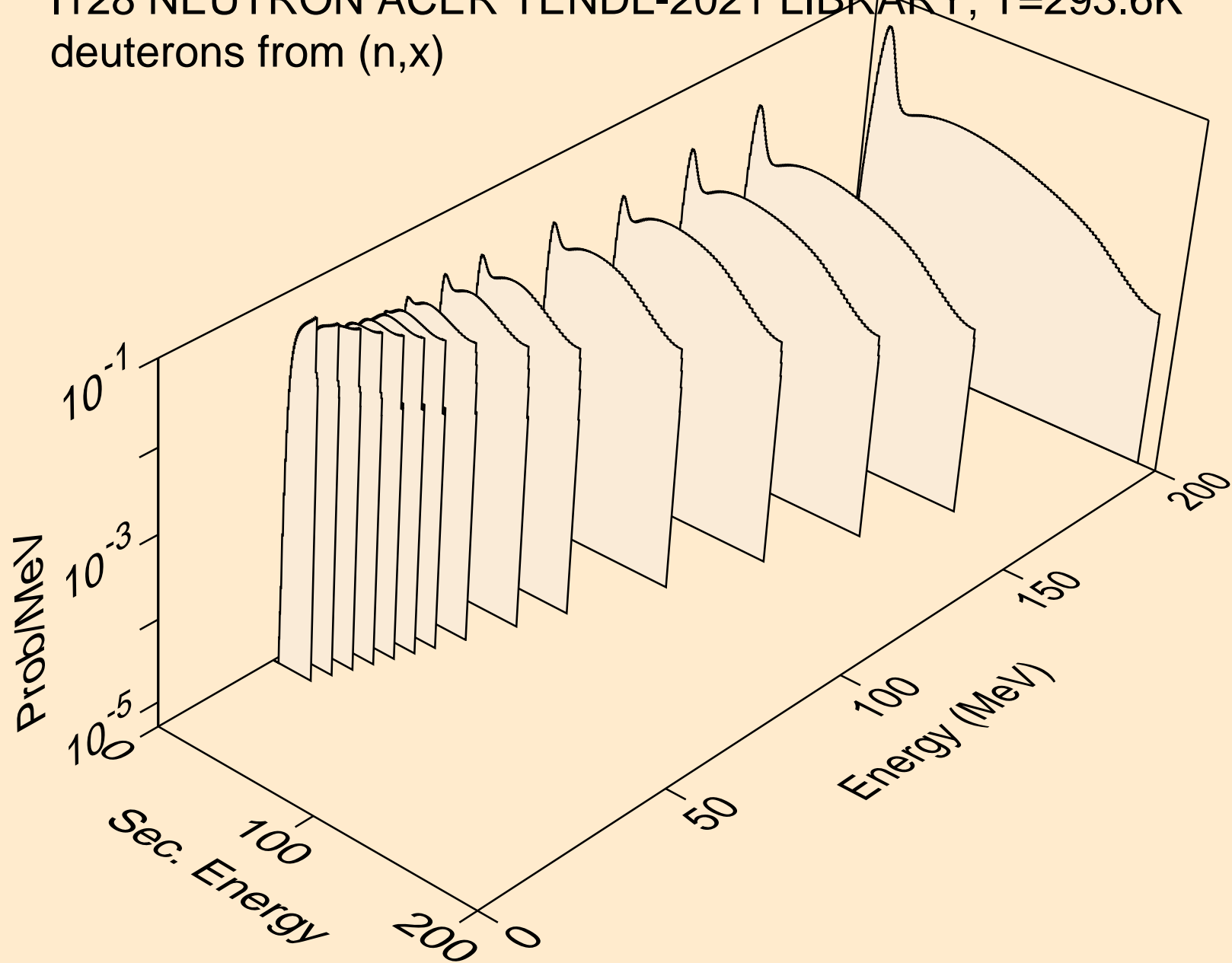
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protons from (n,pd)



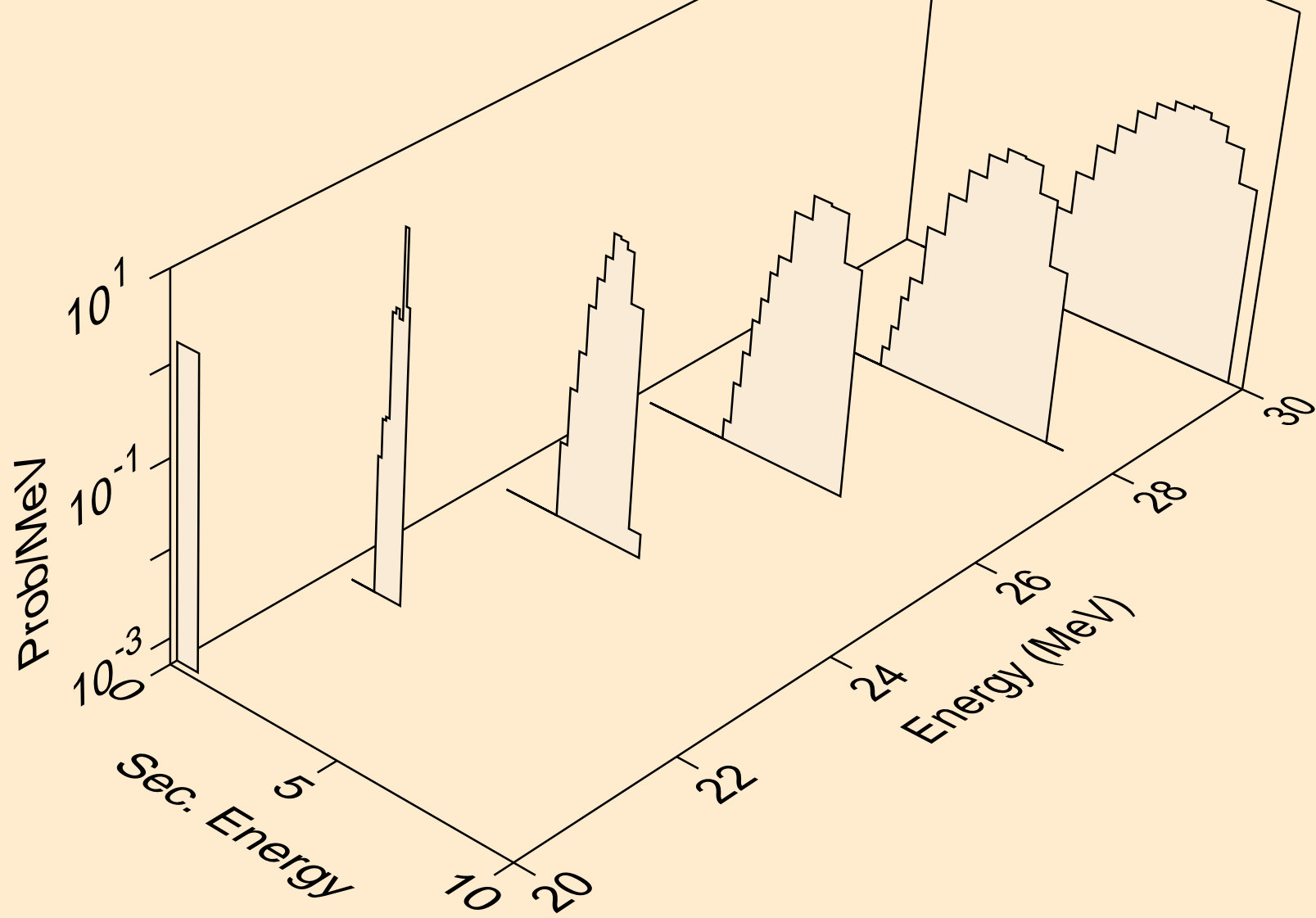
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protons from (n,pt)



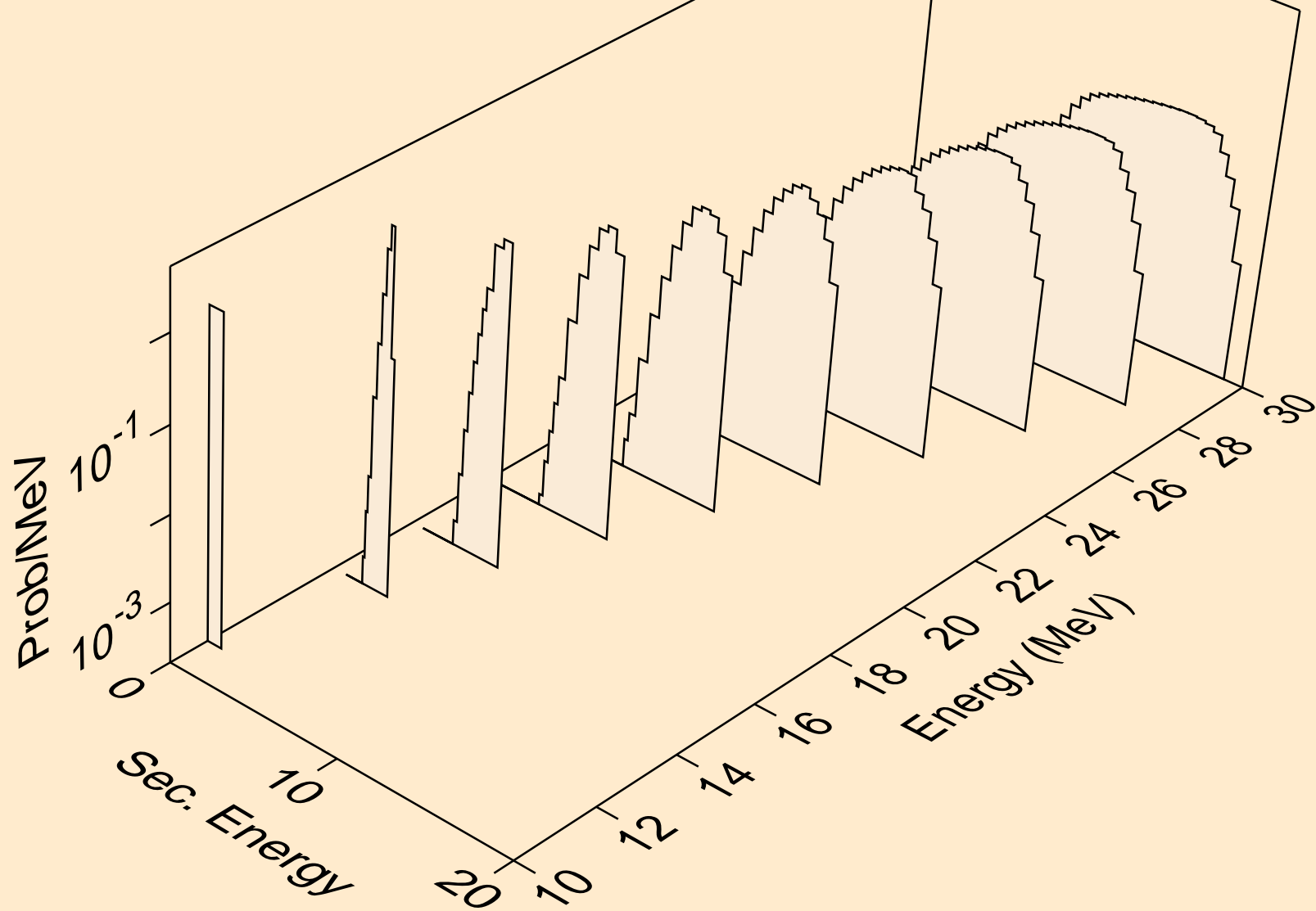
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deuterons from (n,x)



I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,2nd)

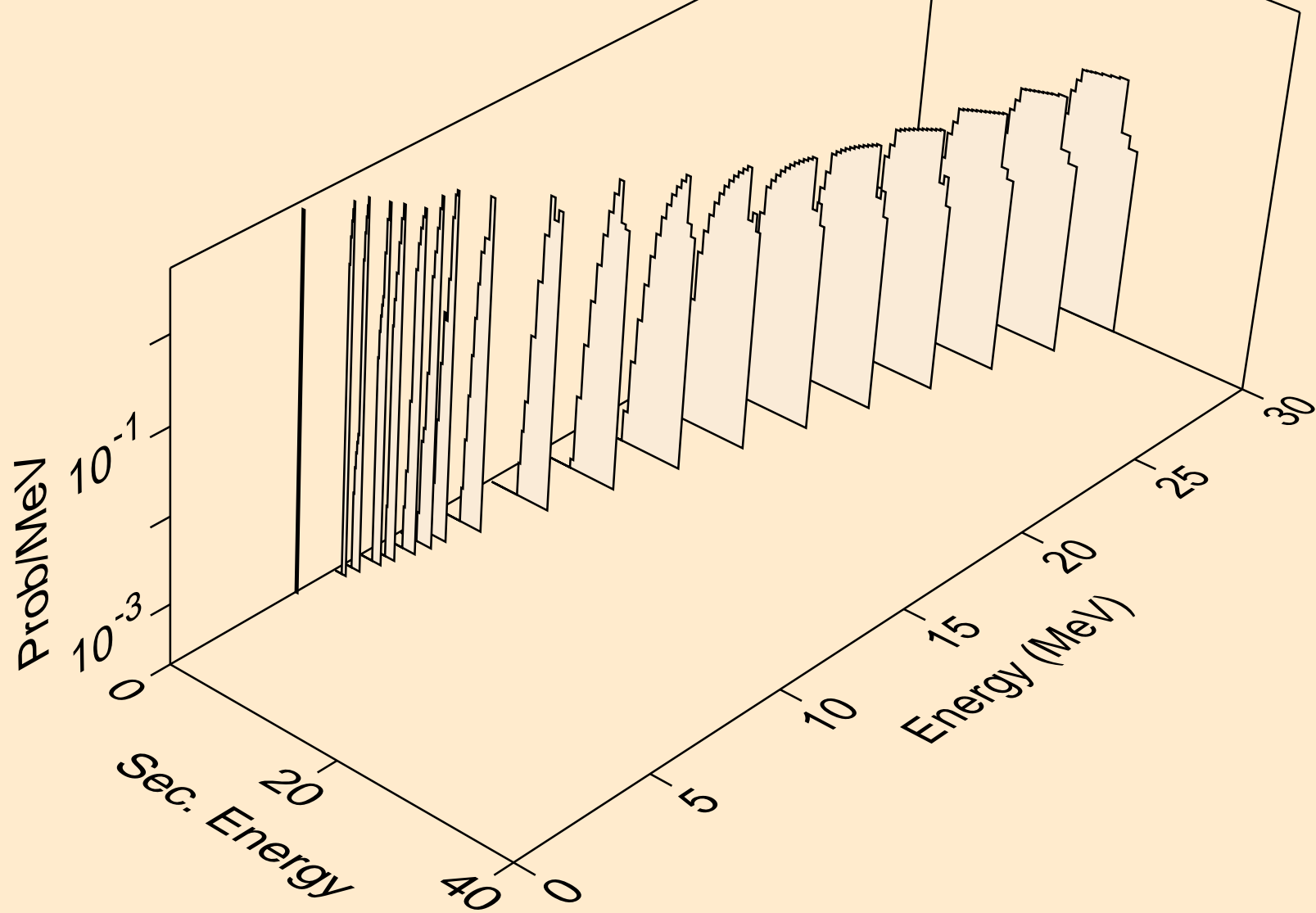


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deuterons from (n,n\*)d

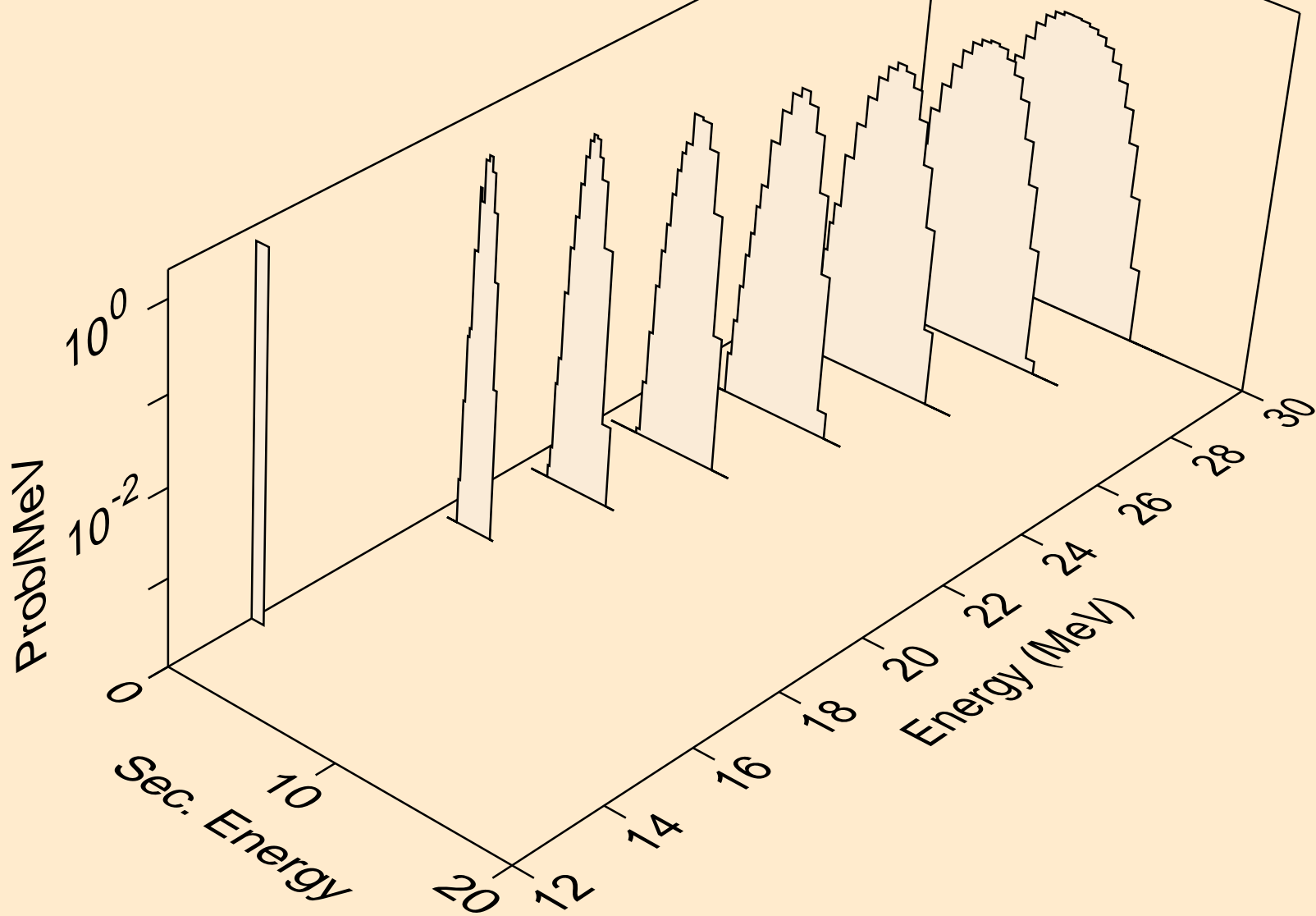




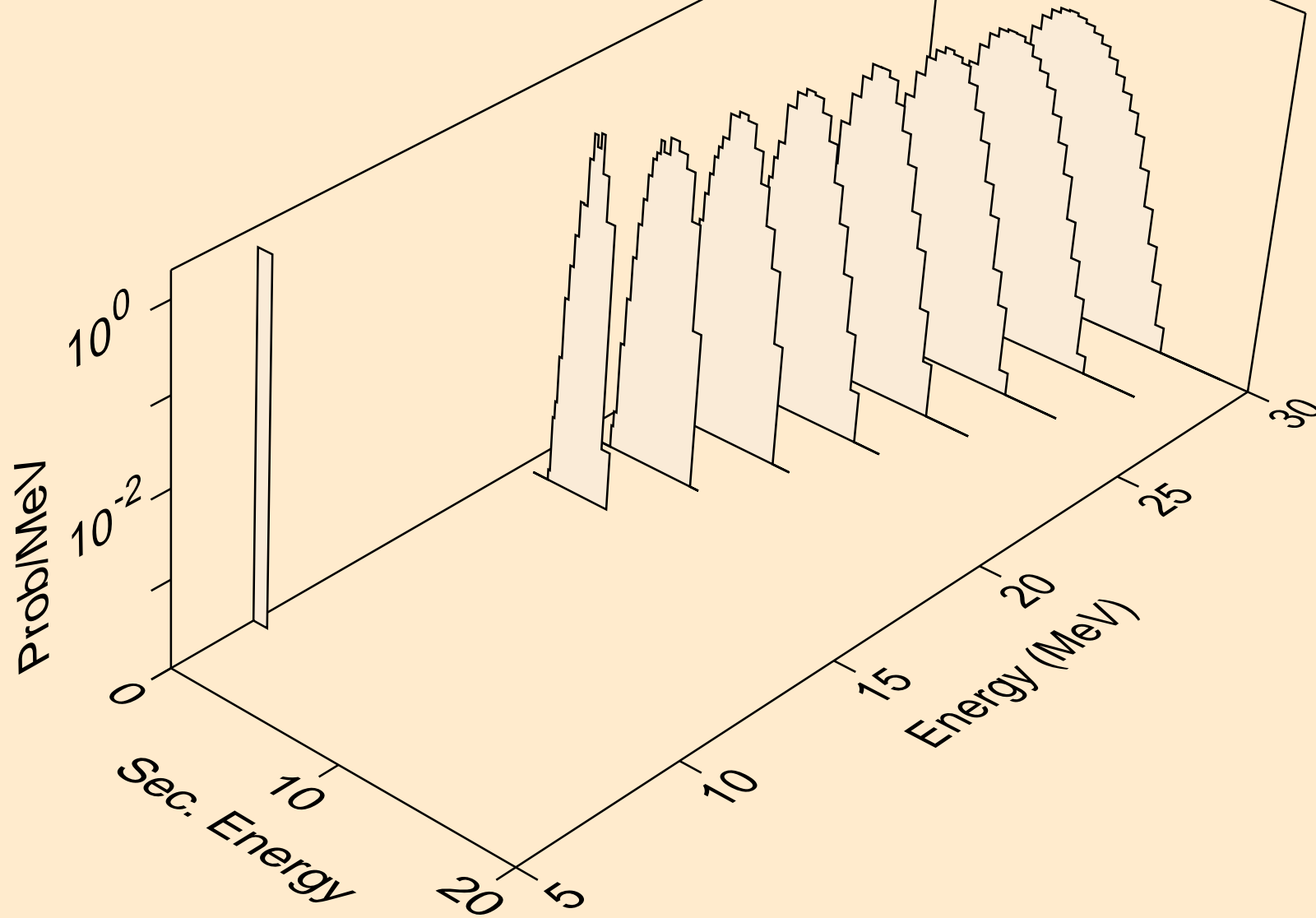
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deuterons from (n,d)



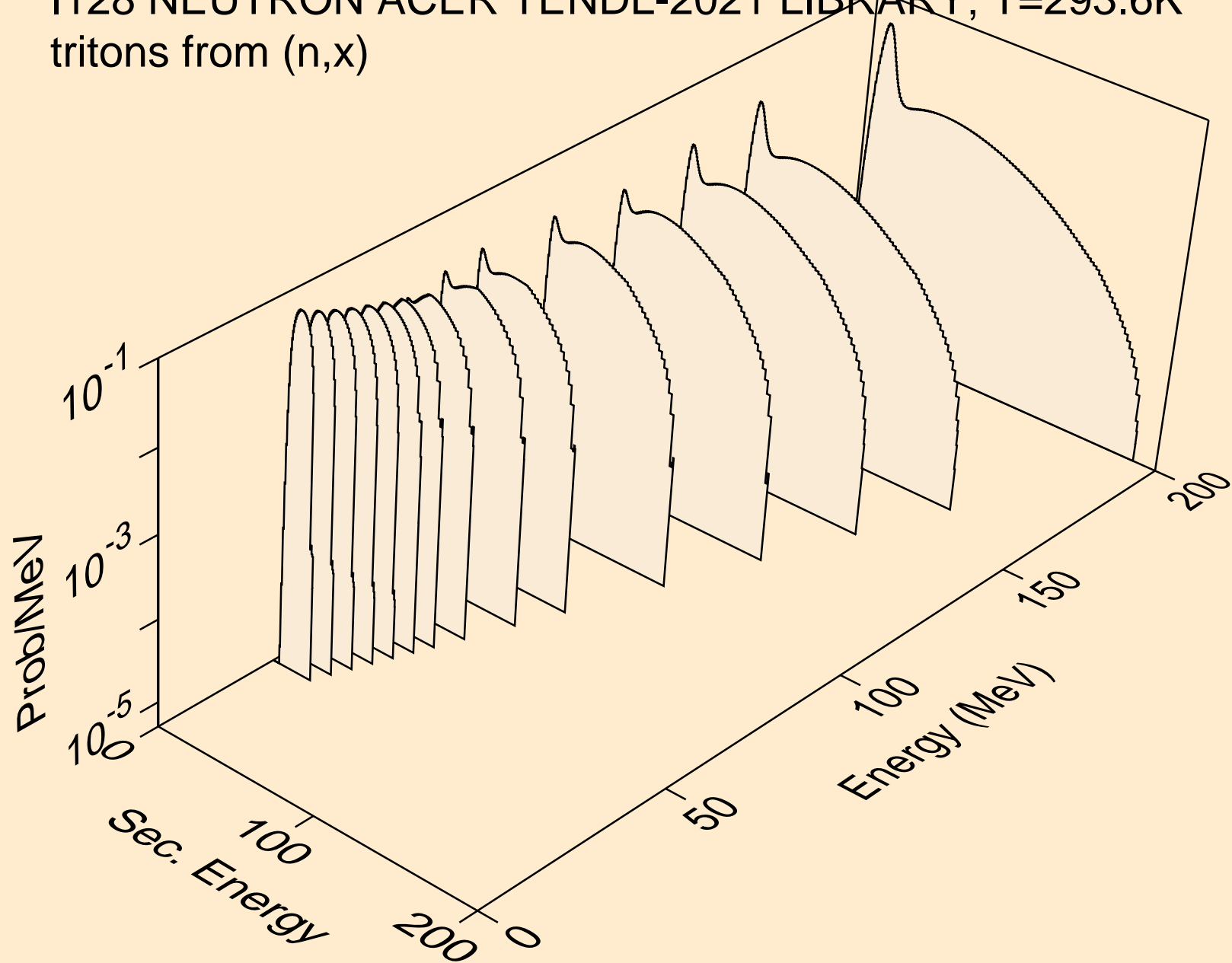
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deuterons from (n,pd)



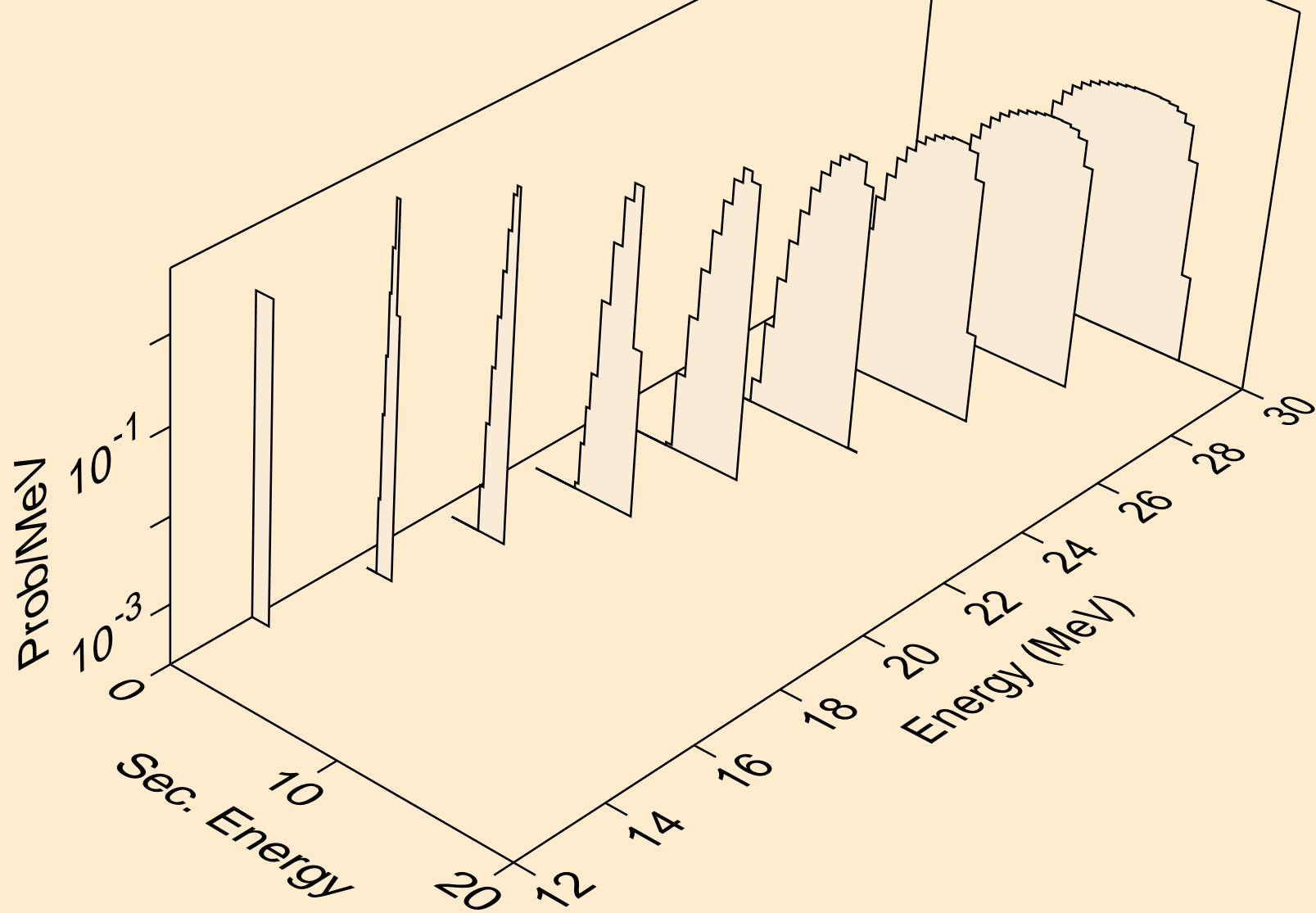
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deuterons from (n,da)



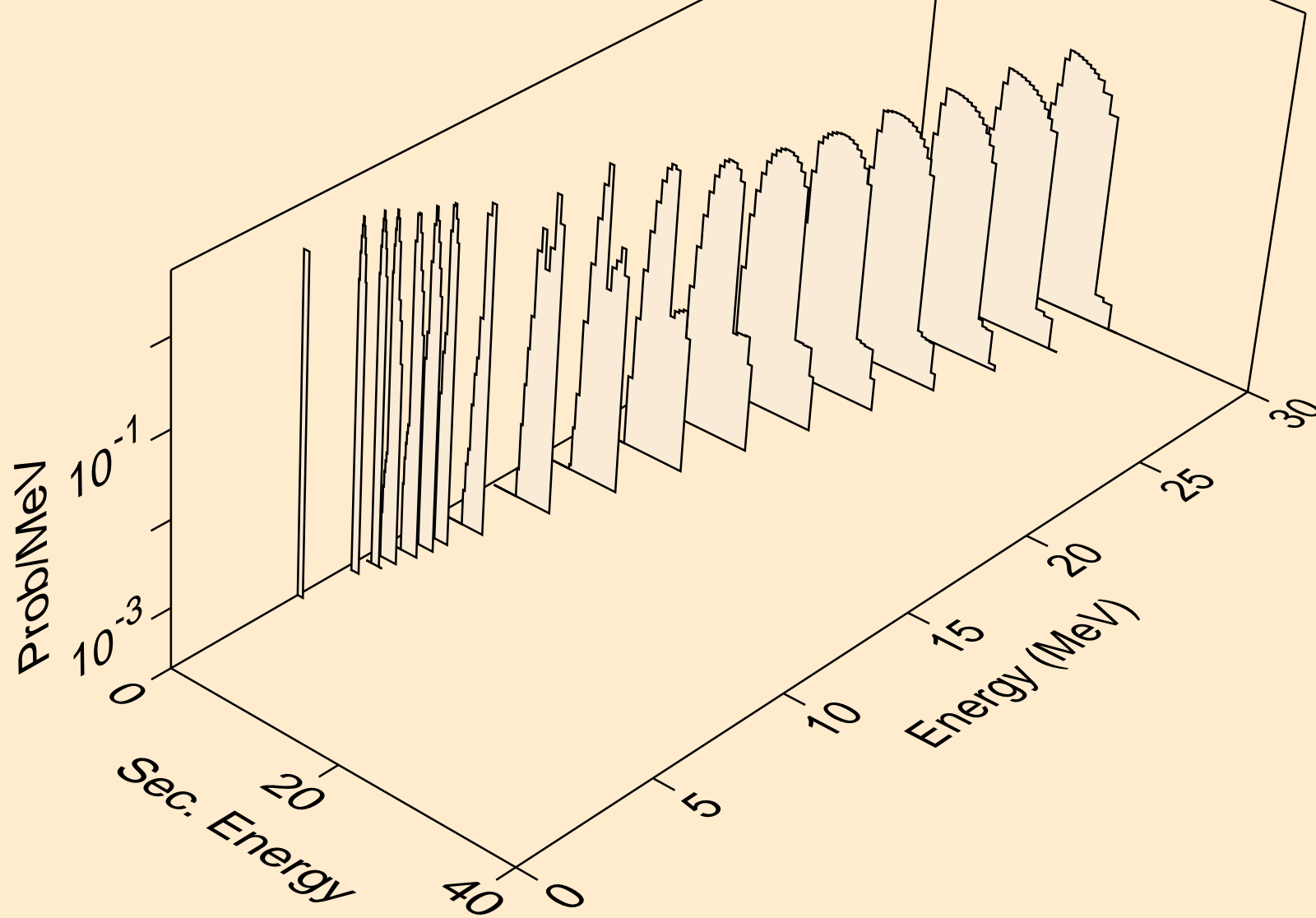
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tritons from (n,x)



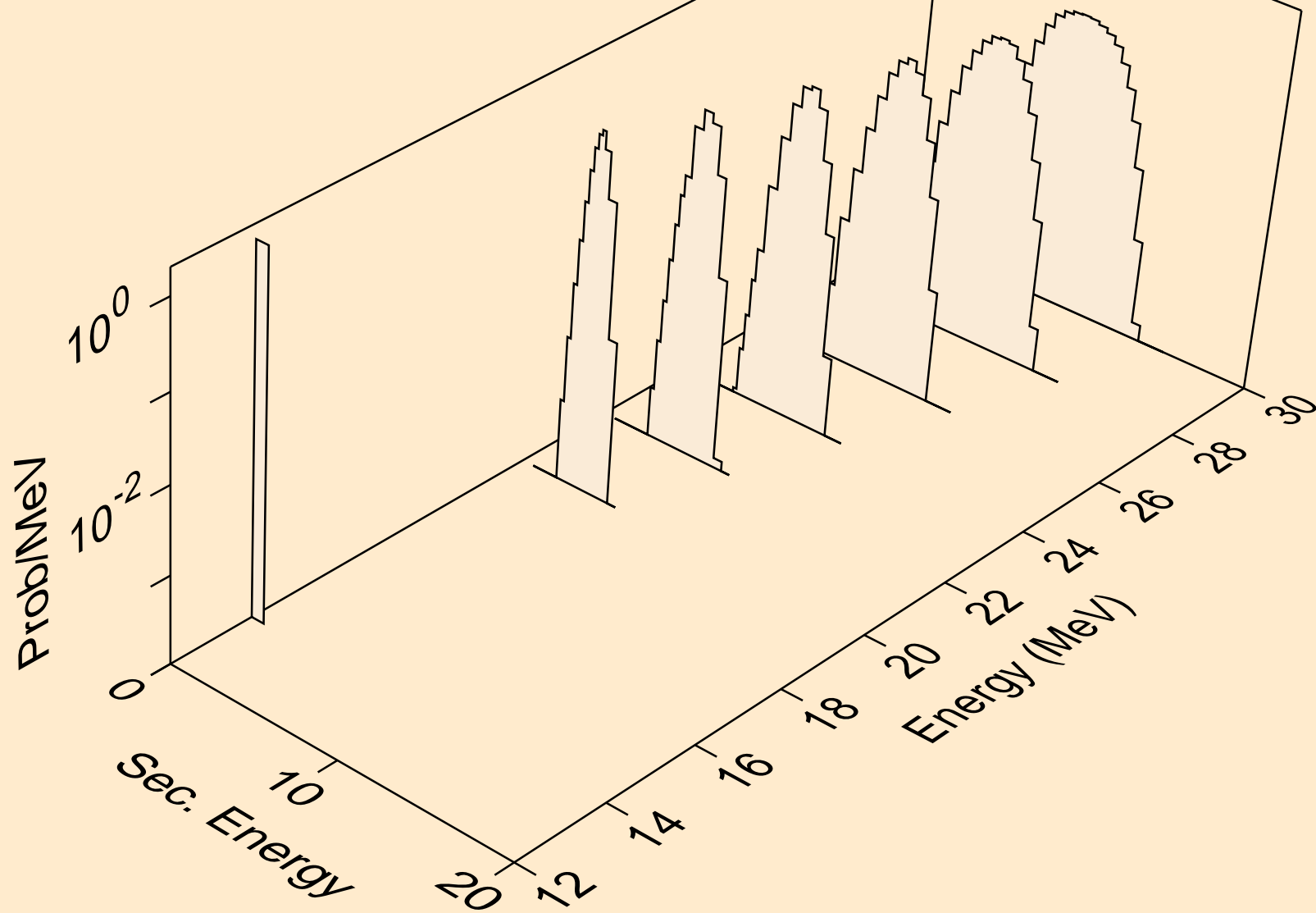
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tritons from (n,n\*)t



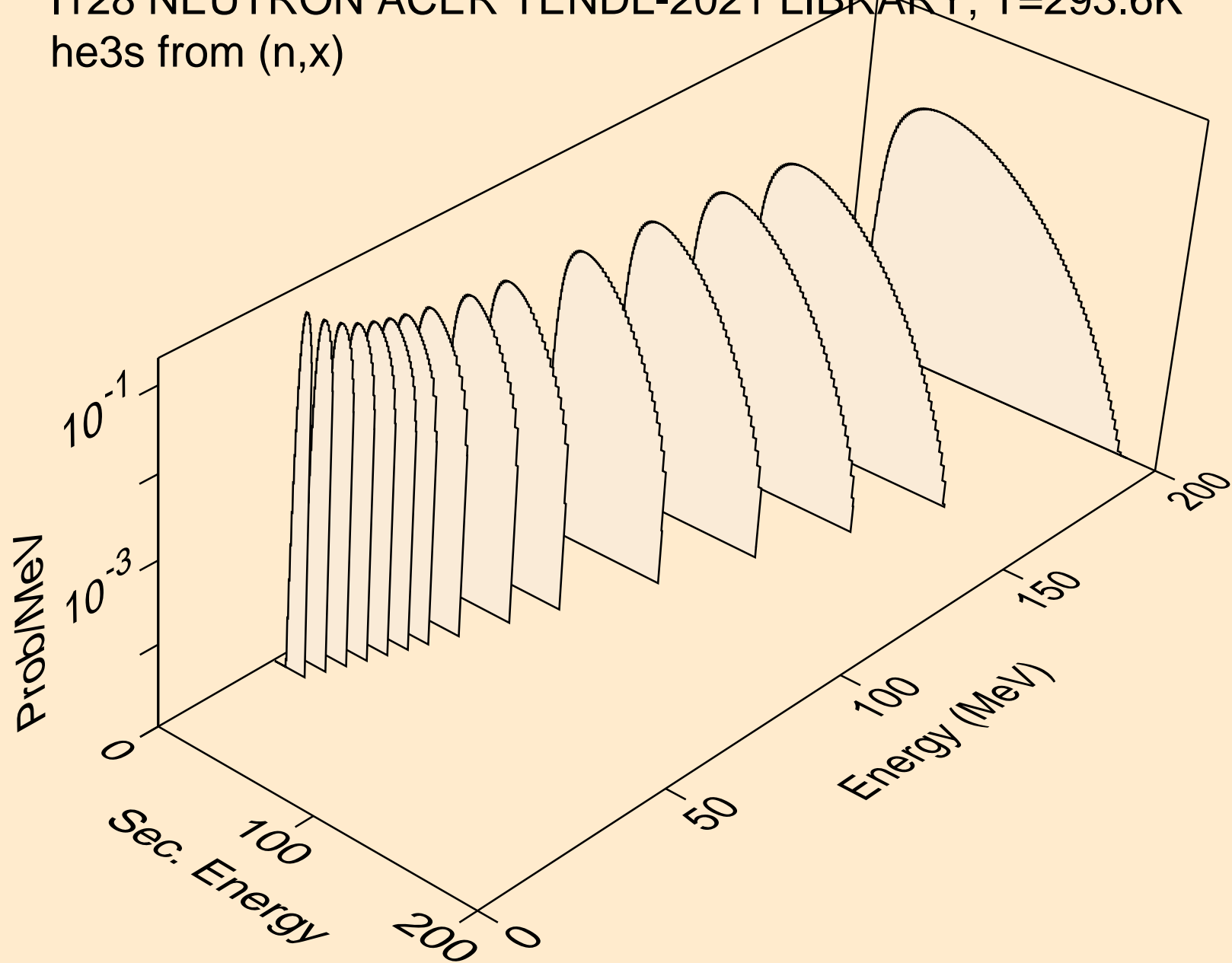
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tritons from (n,t)



I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,pt)

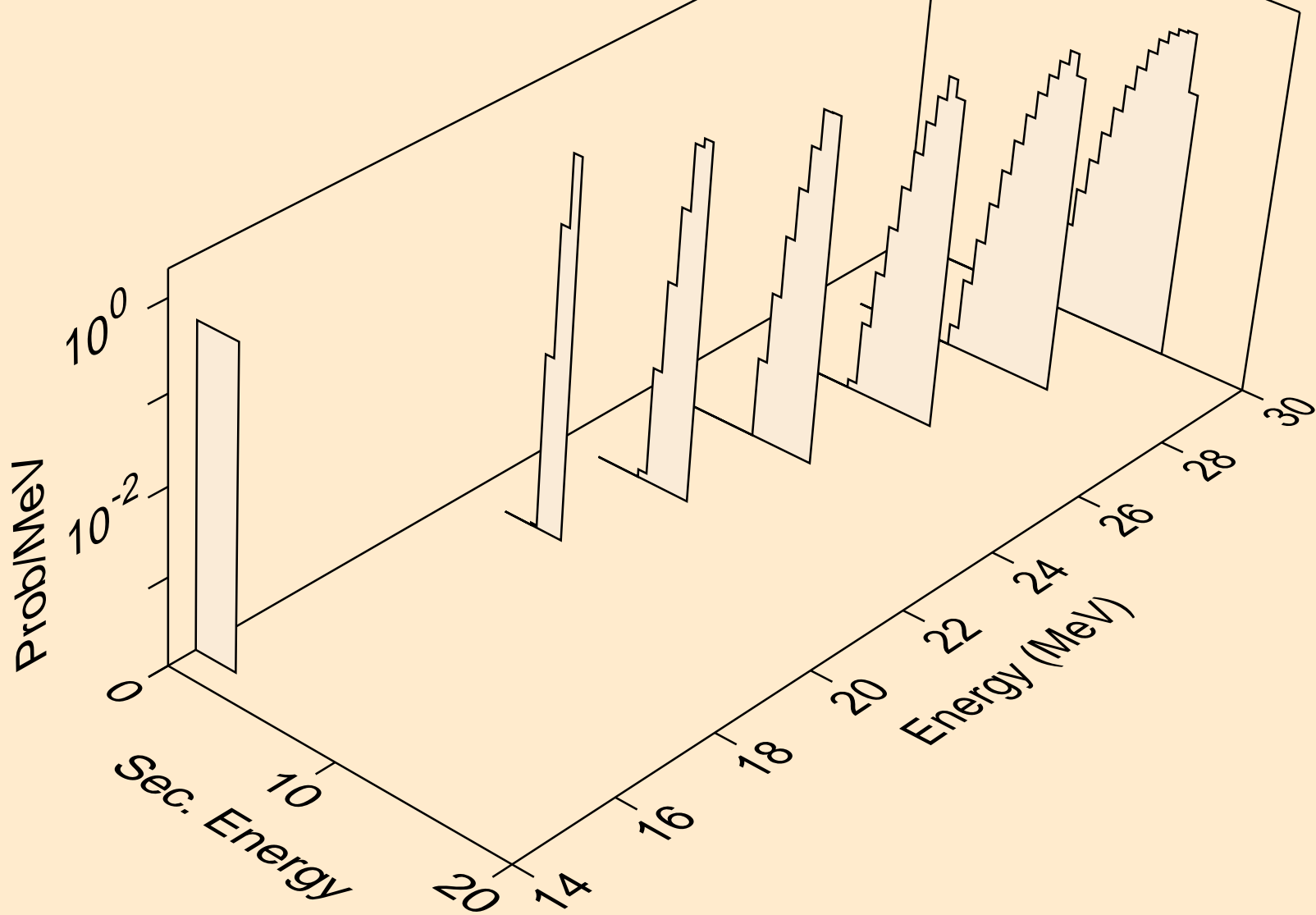


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he3s from (n,x)

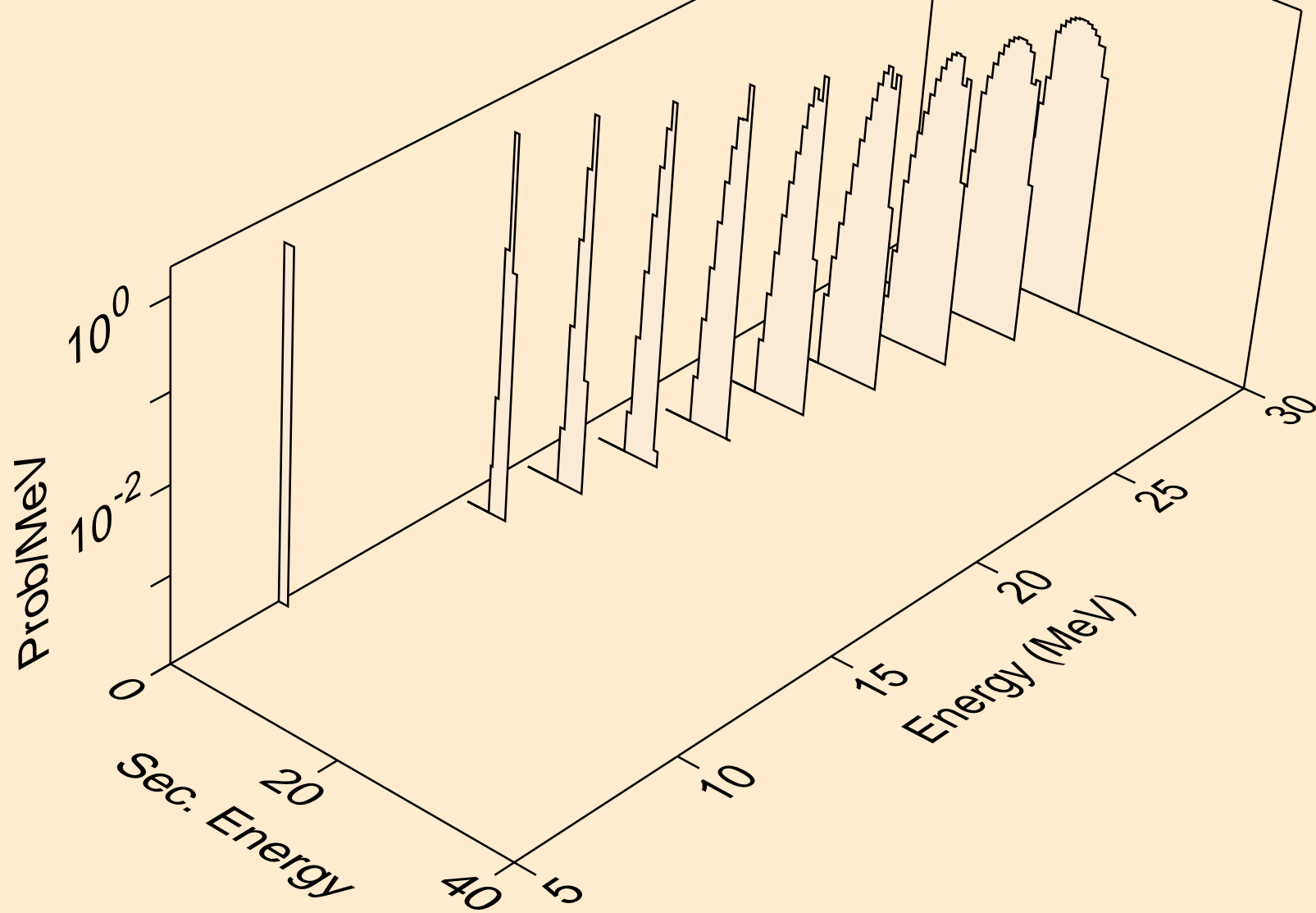




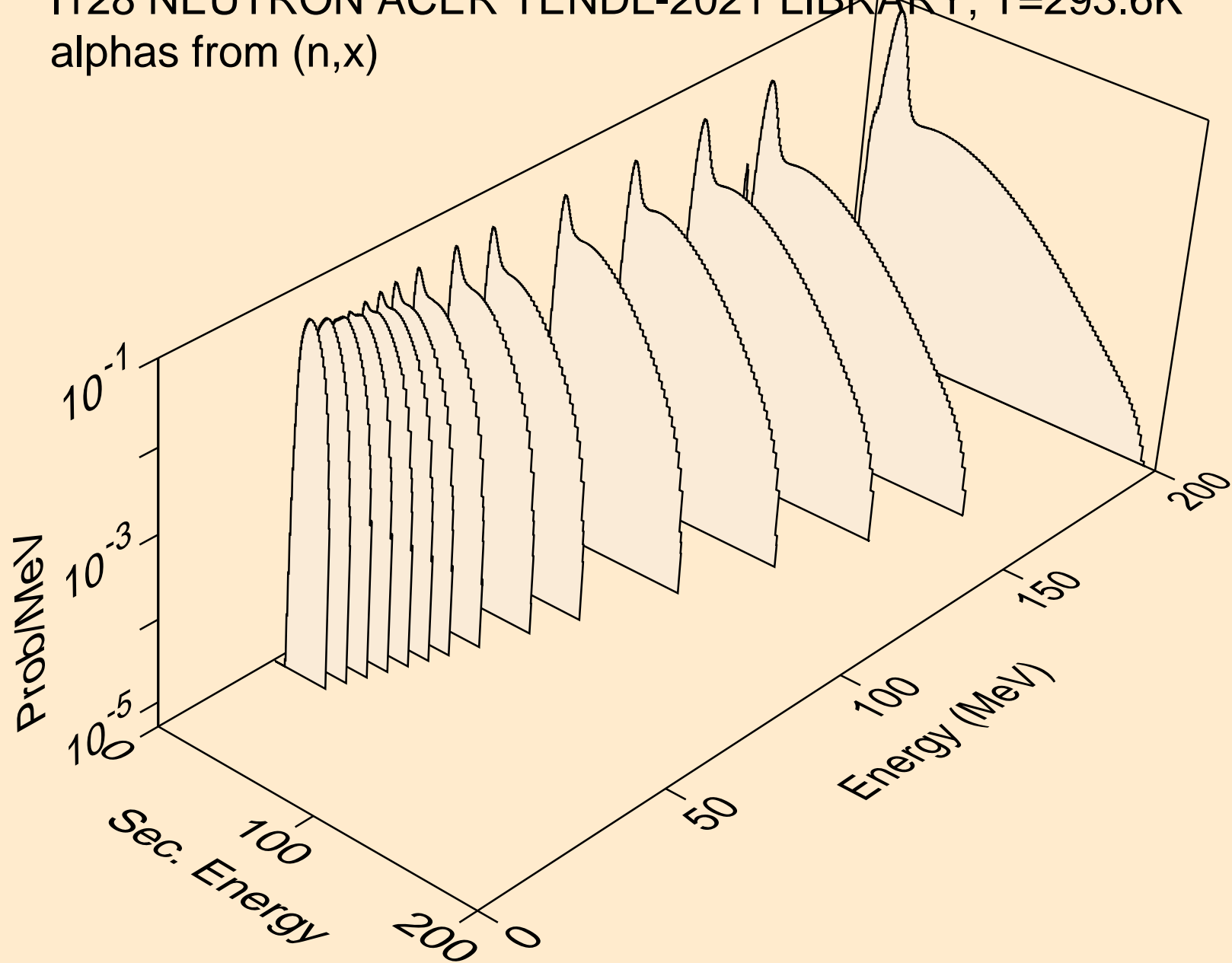
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,n\*)he3



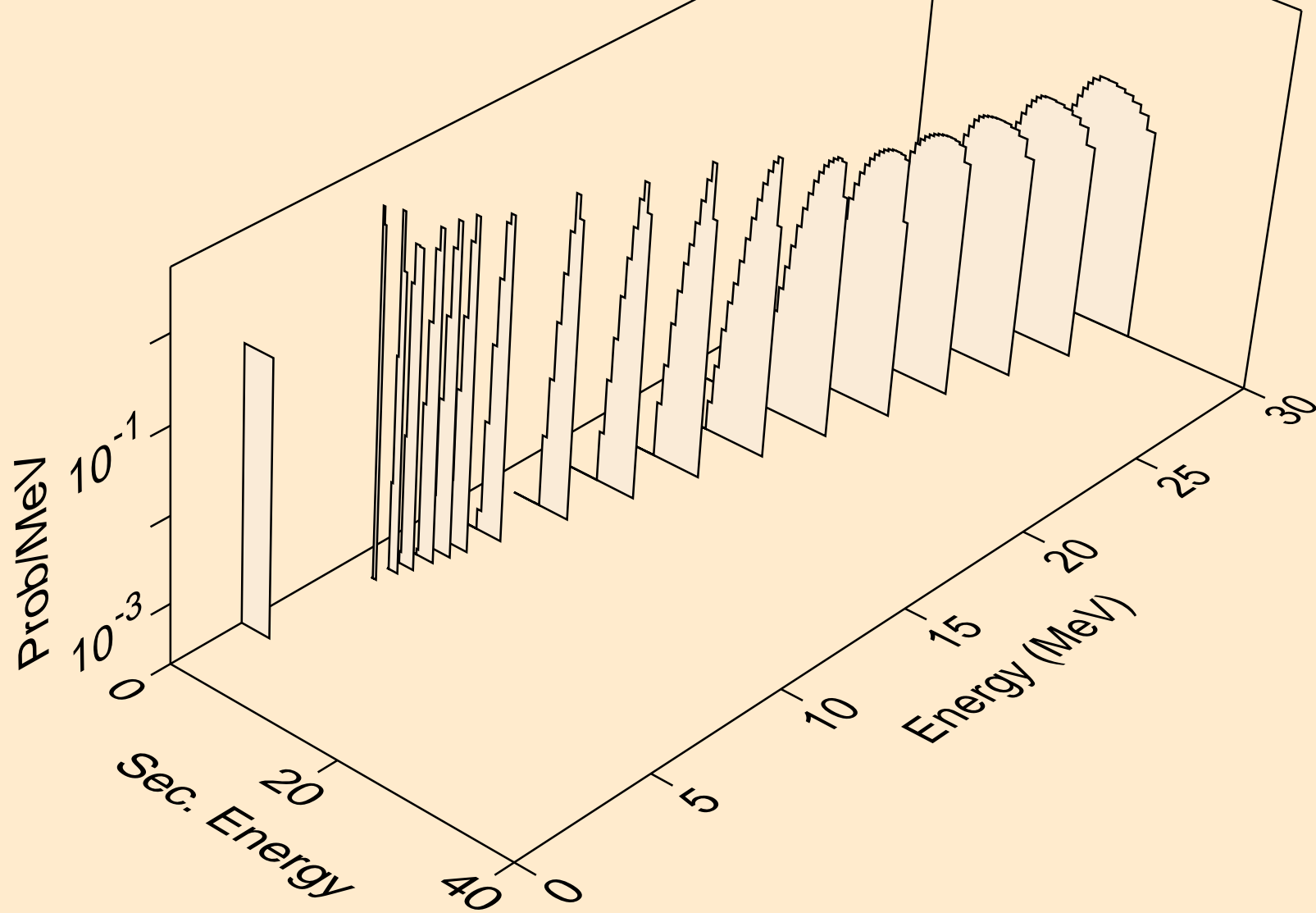
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,he3)



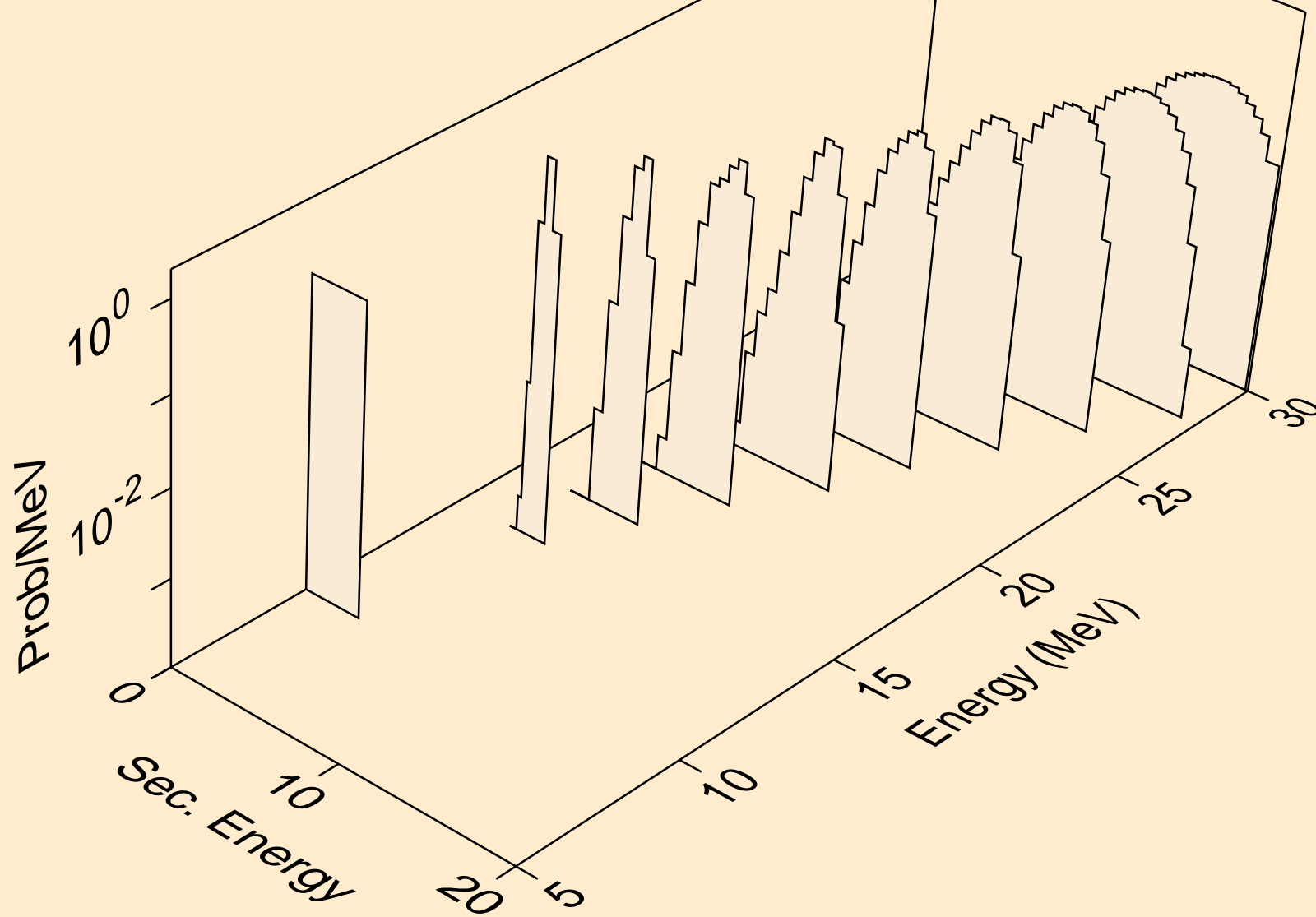
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)



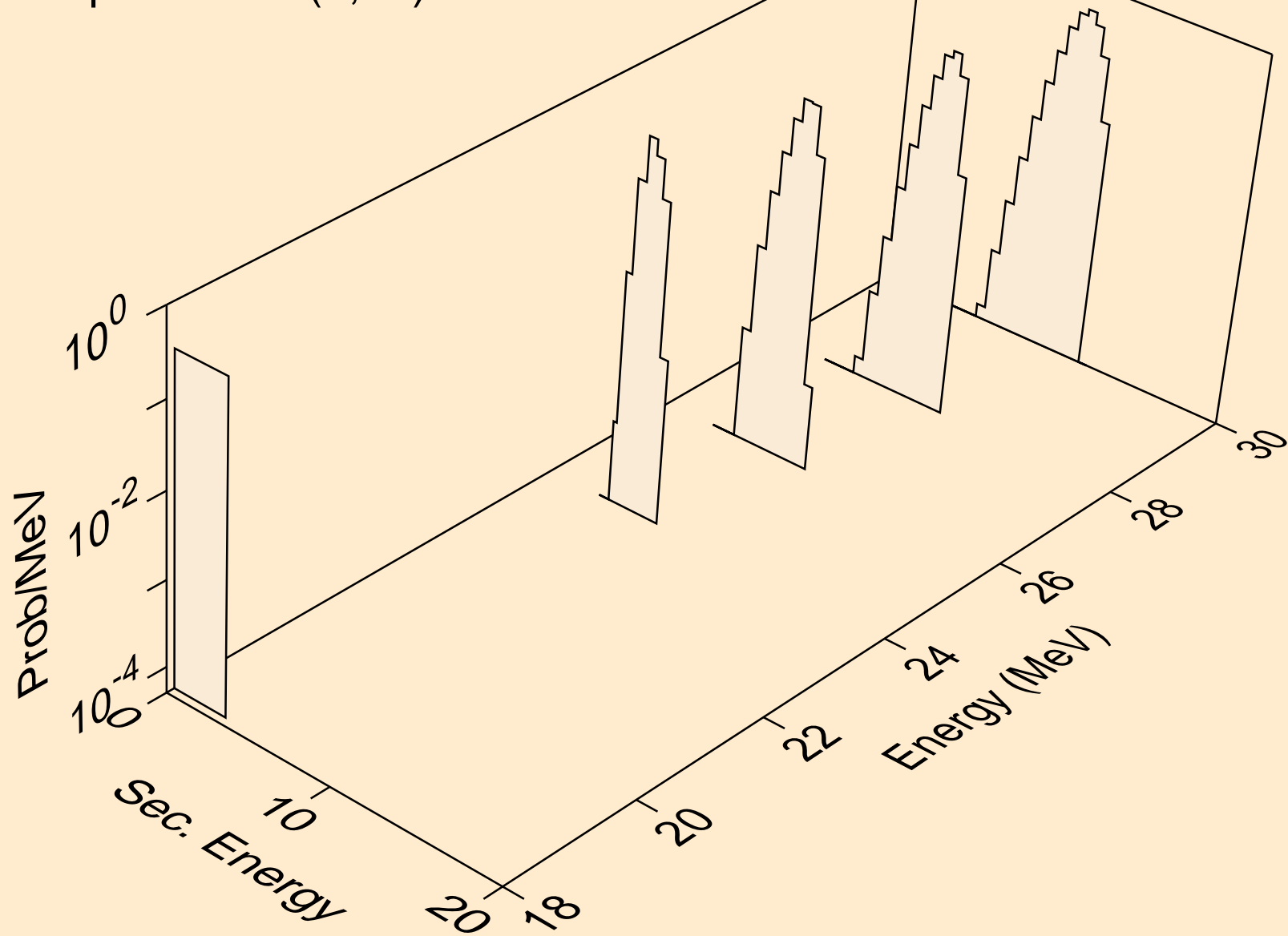
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a



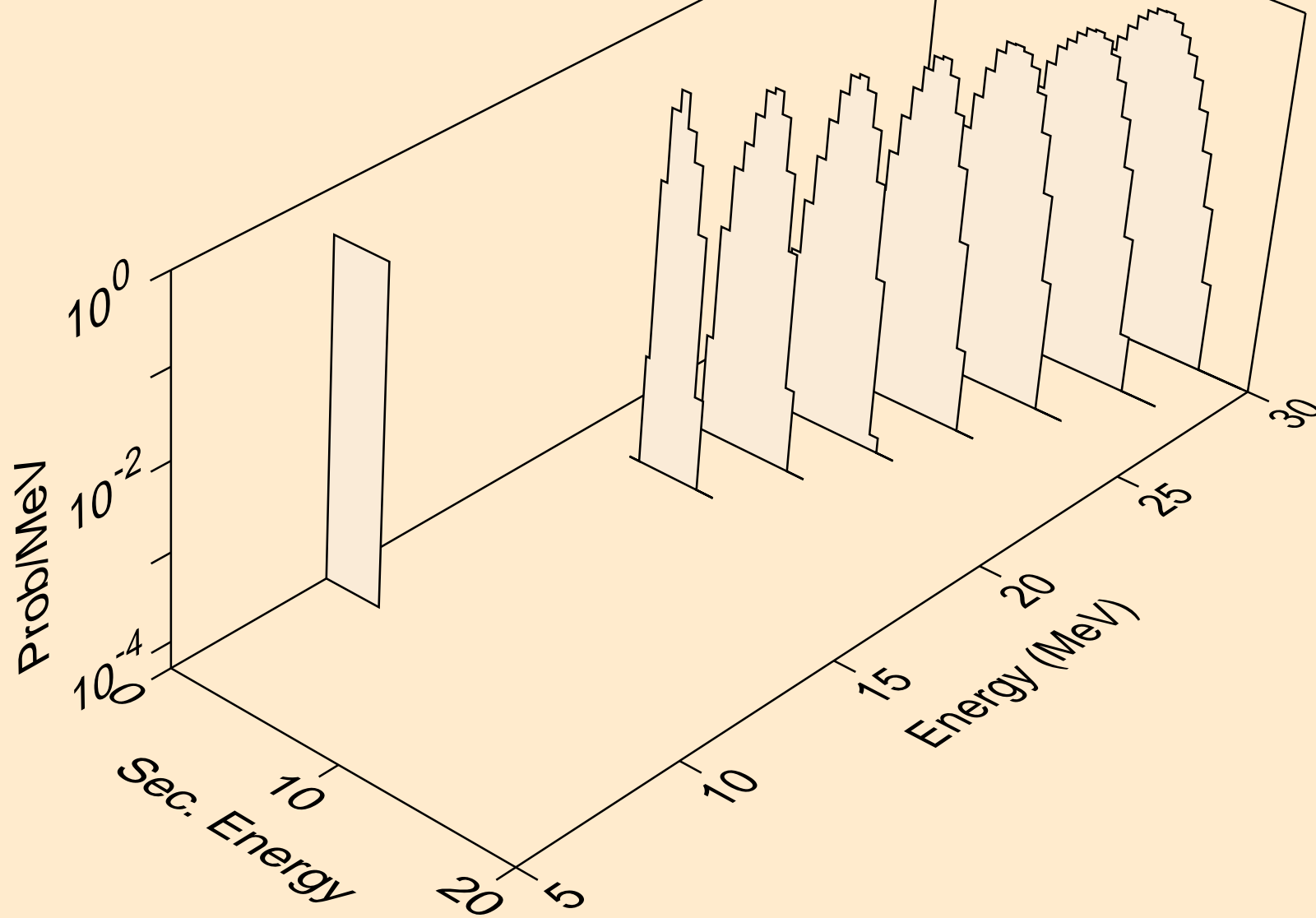
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a



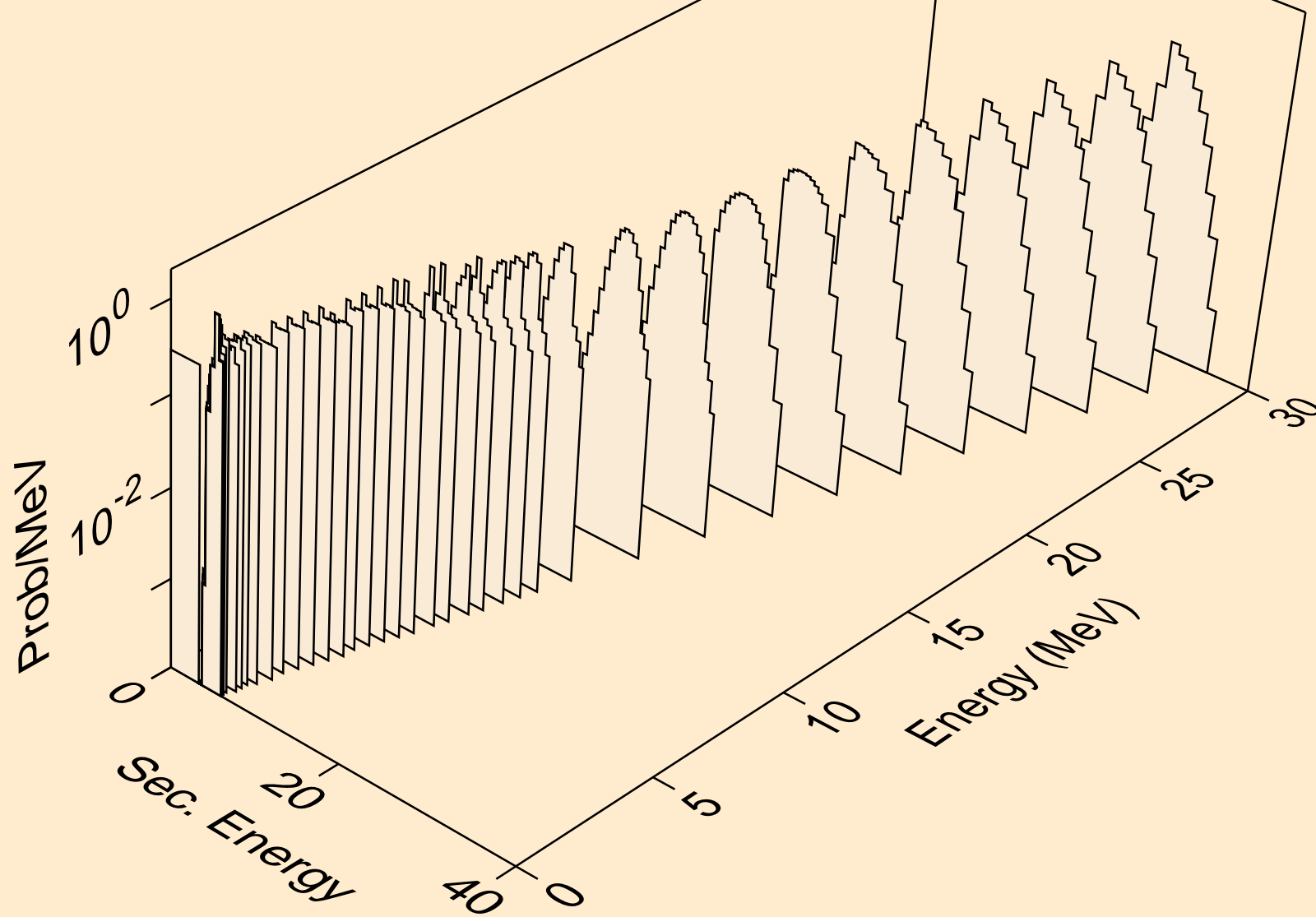
I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3n)a



I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)

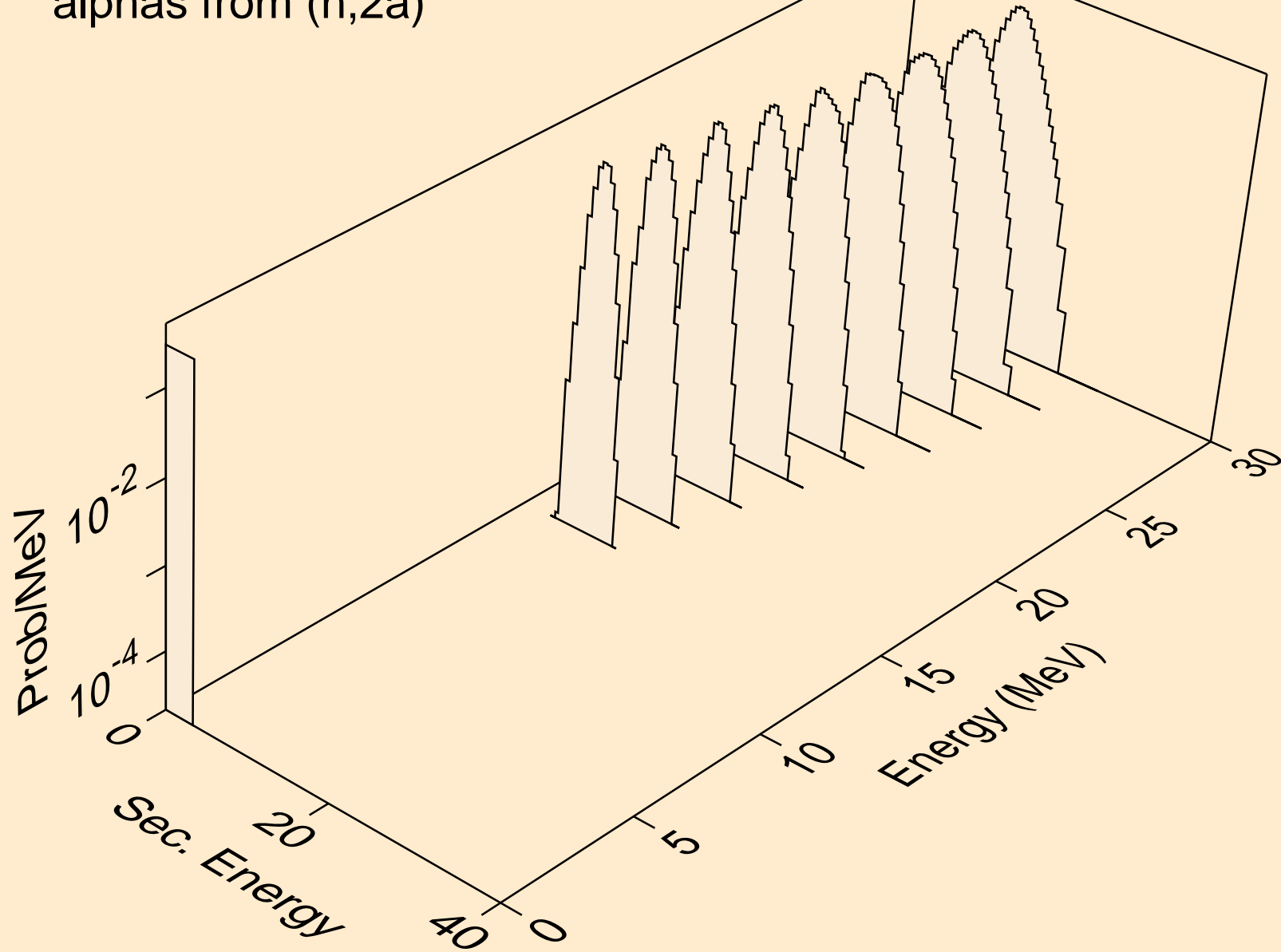


I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)

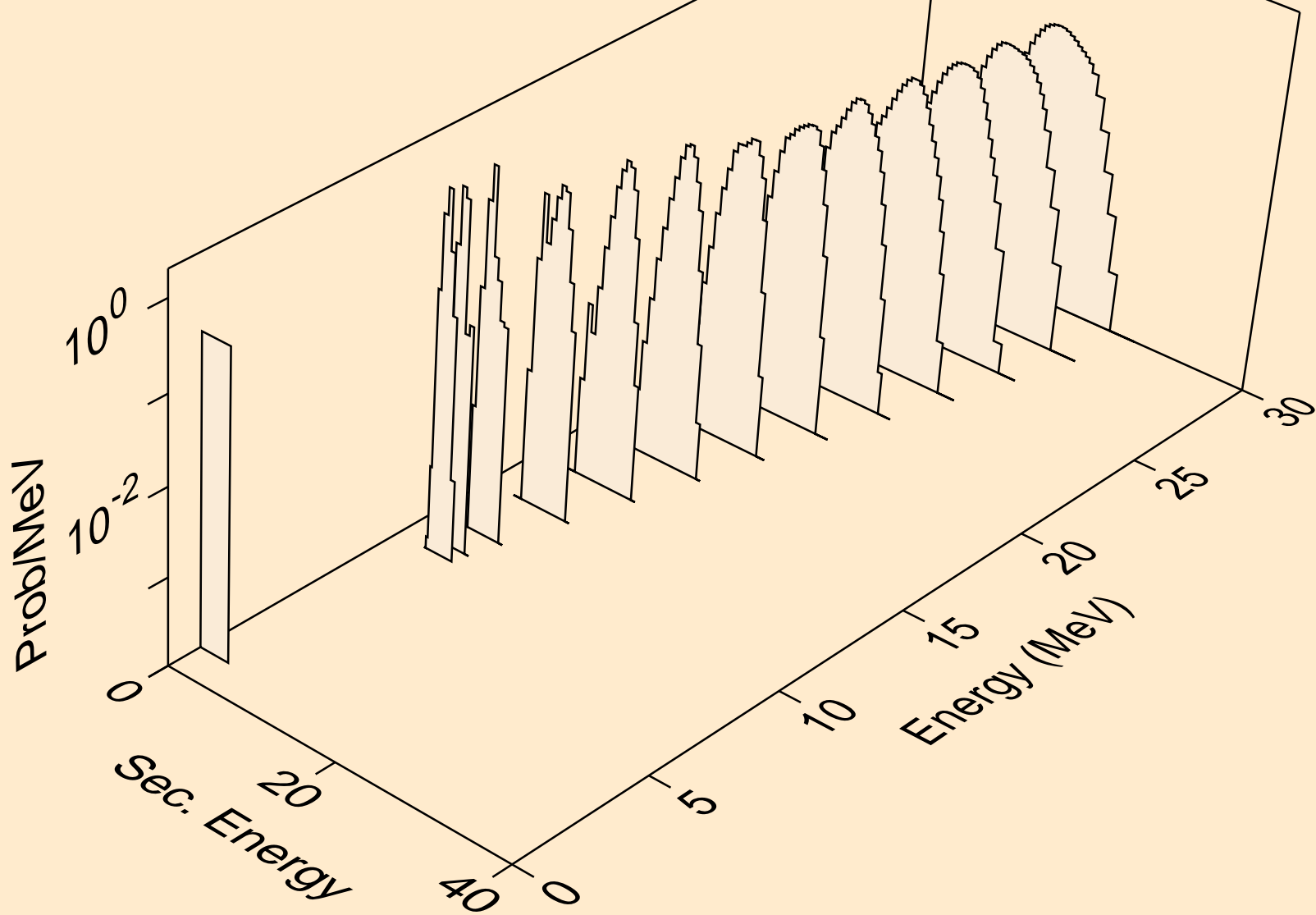




I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)



I128 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

