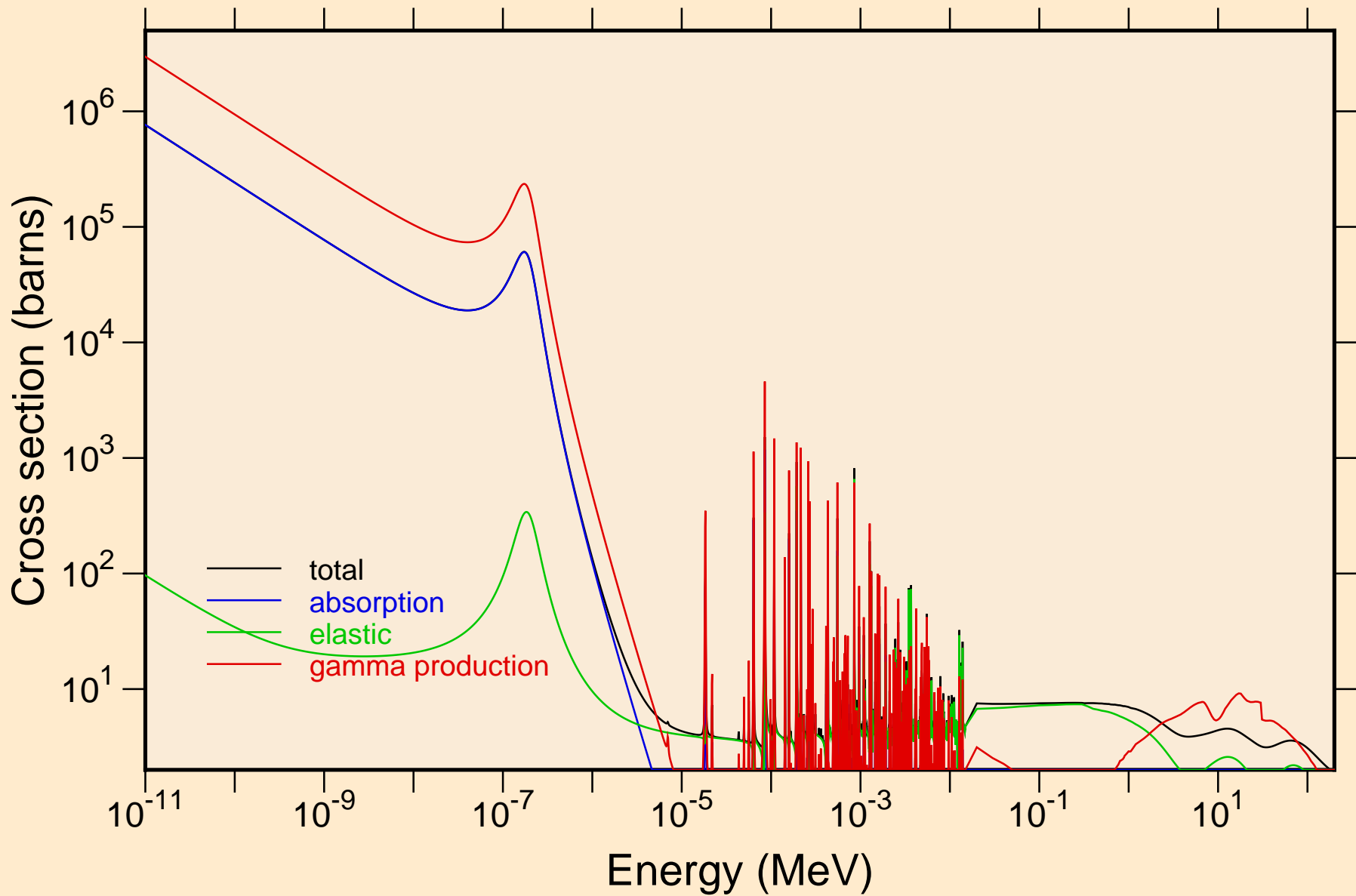
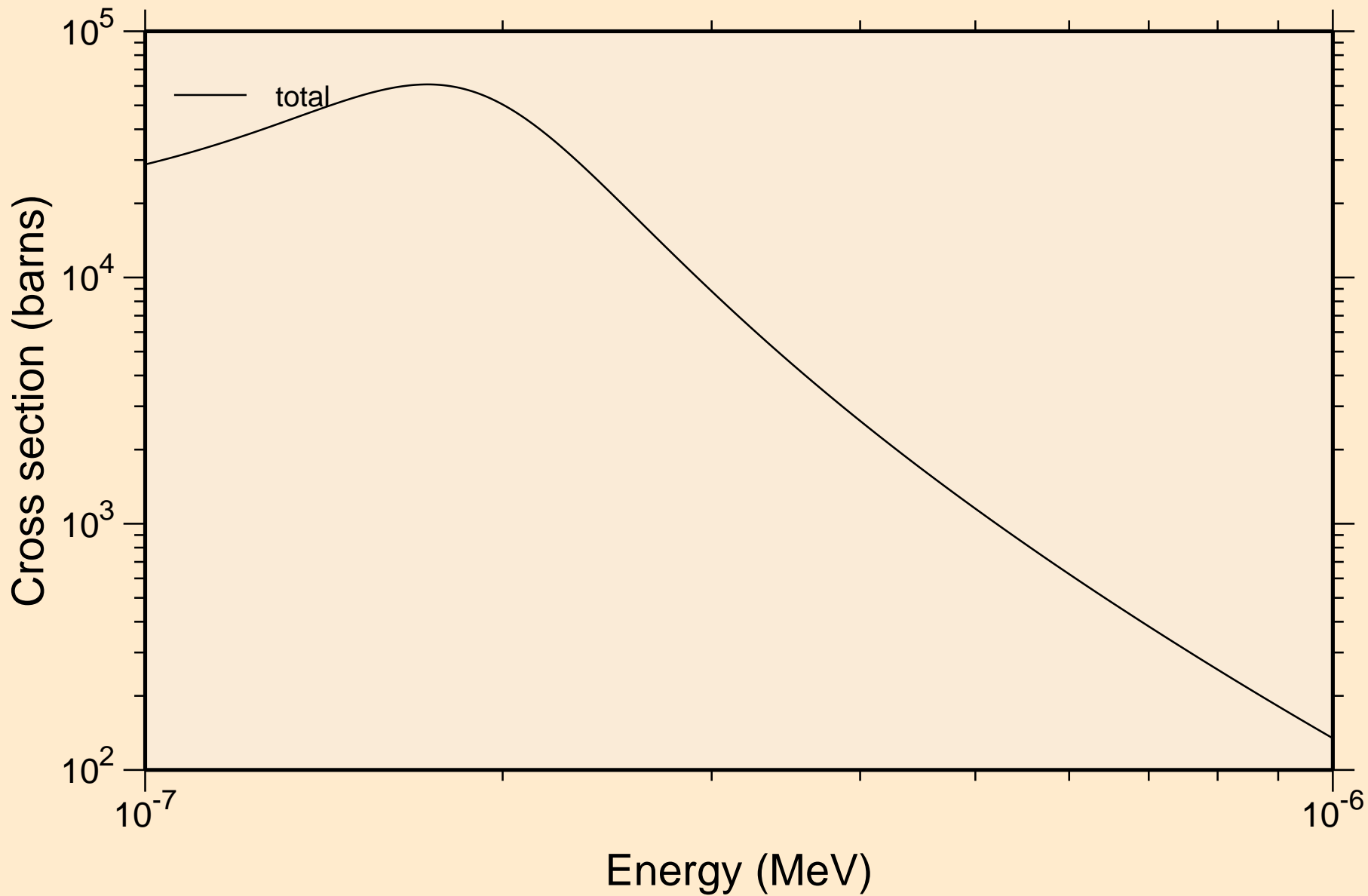


# CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

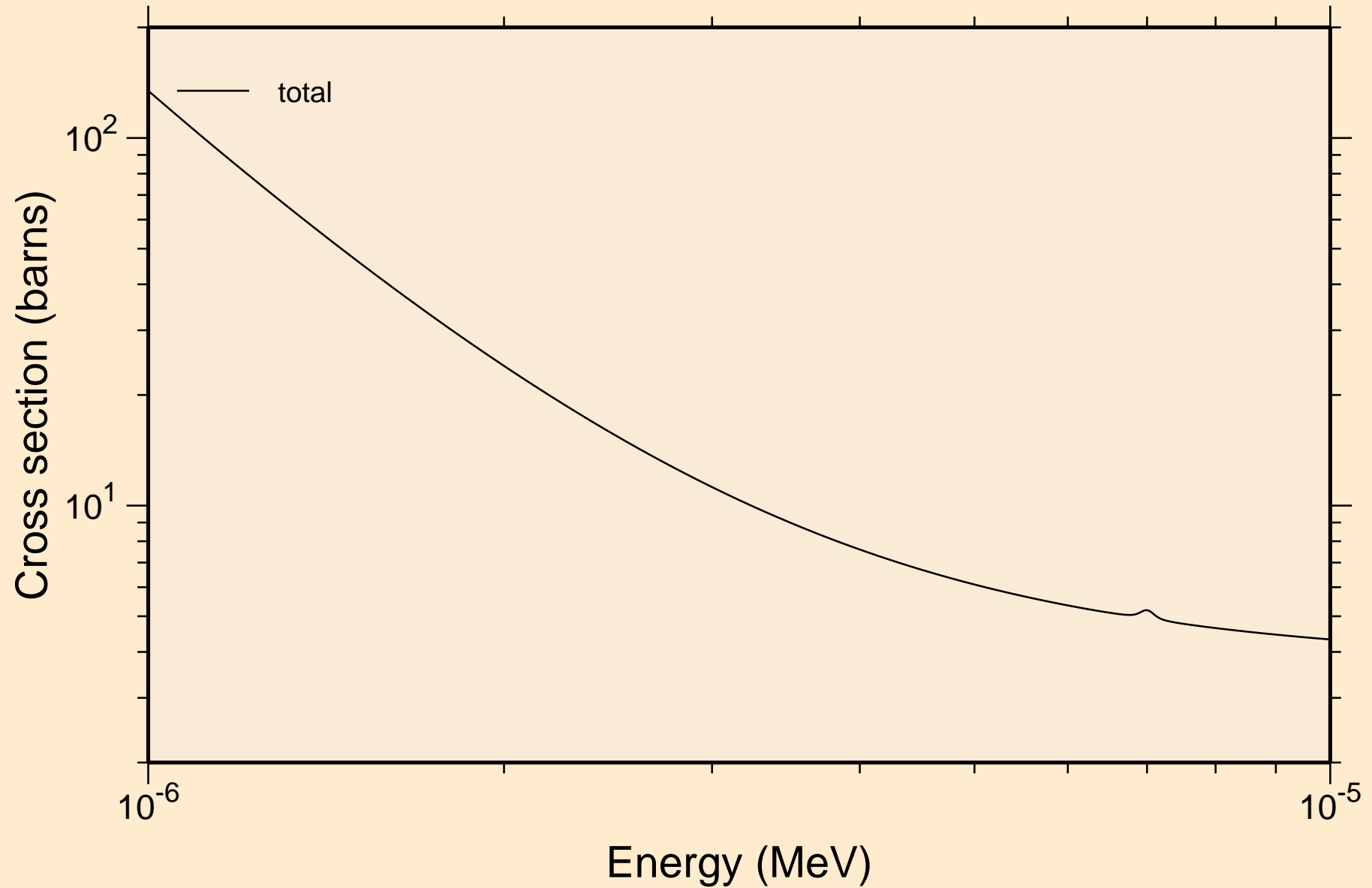
## Principal cross sections



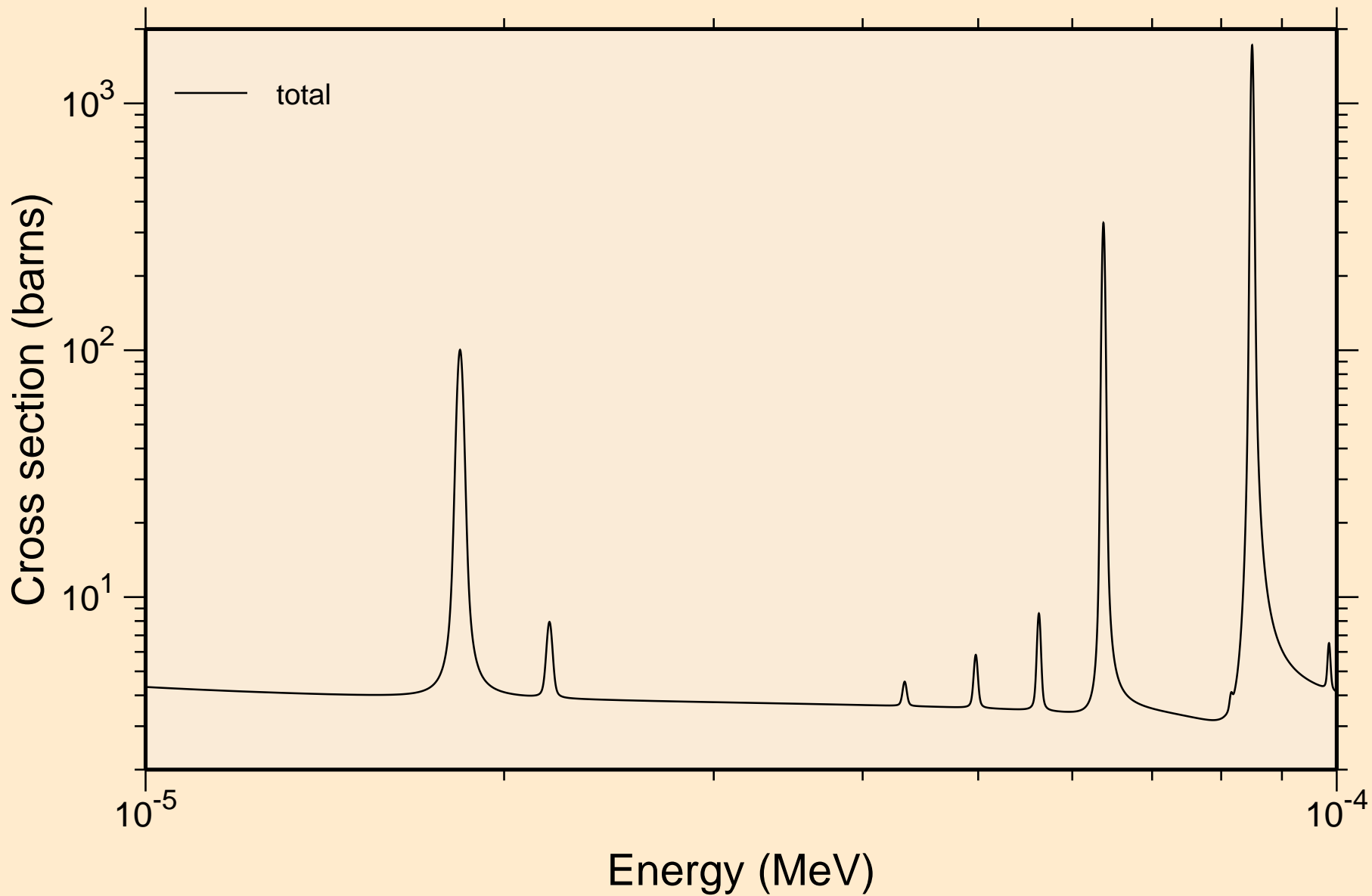
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



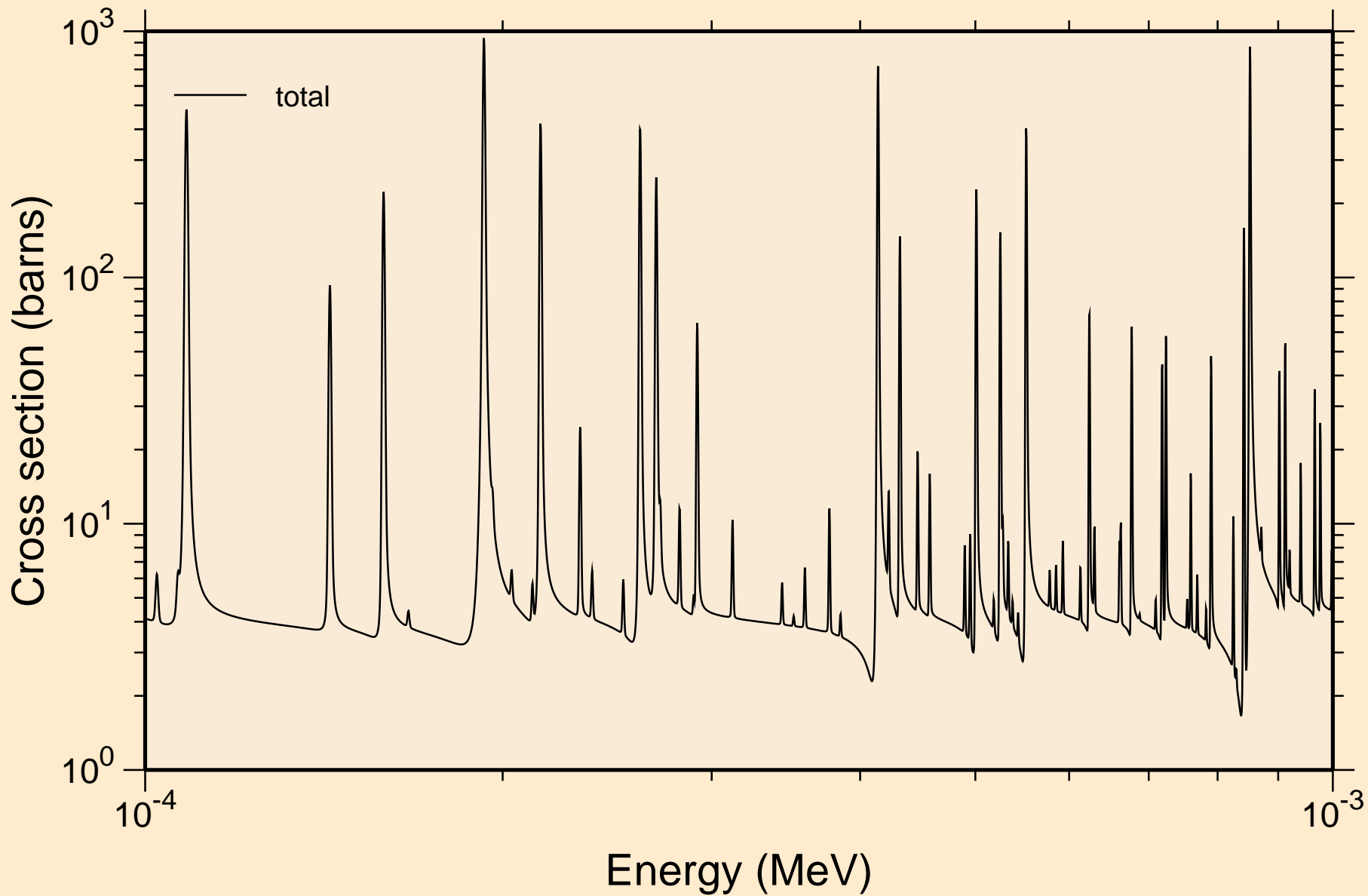
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



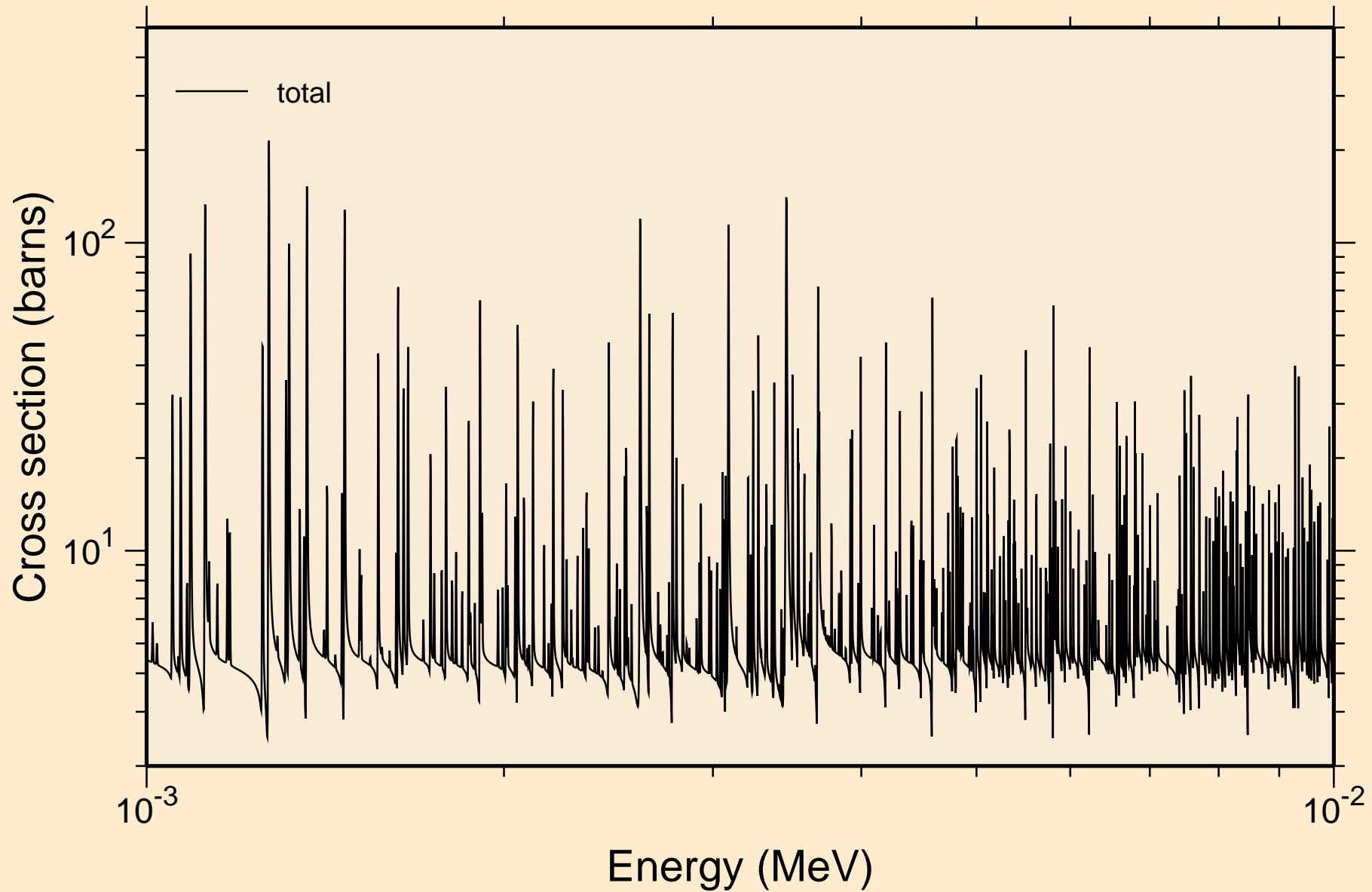
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



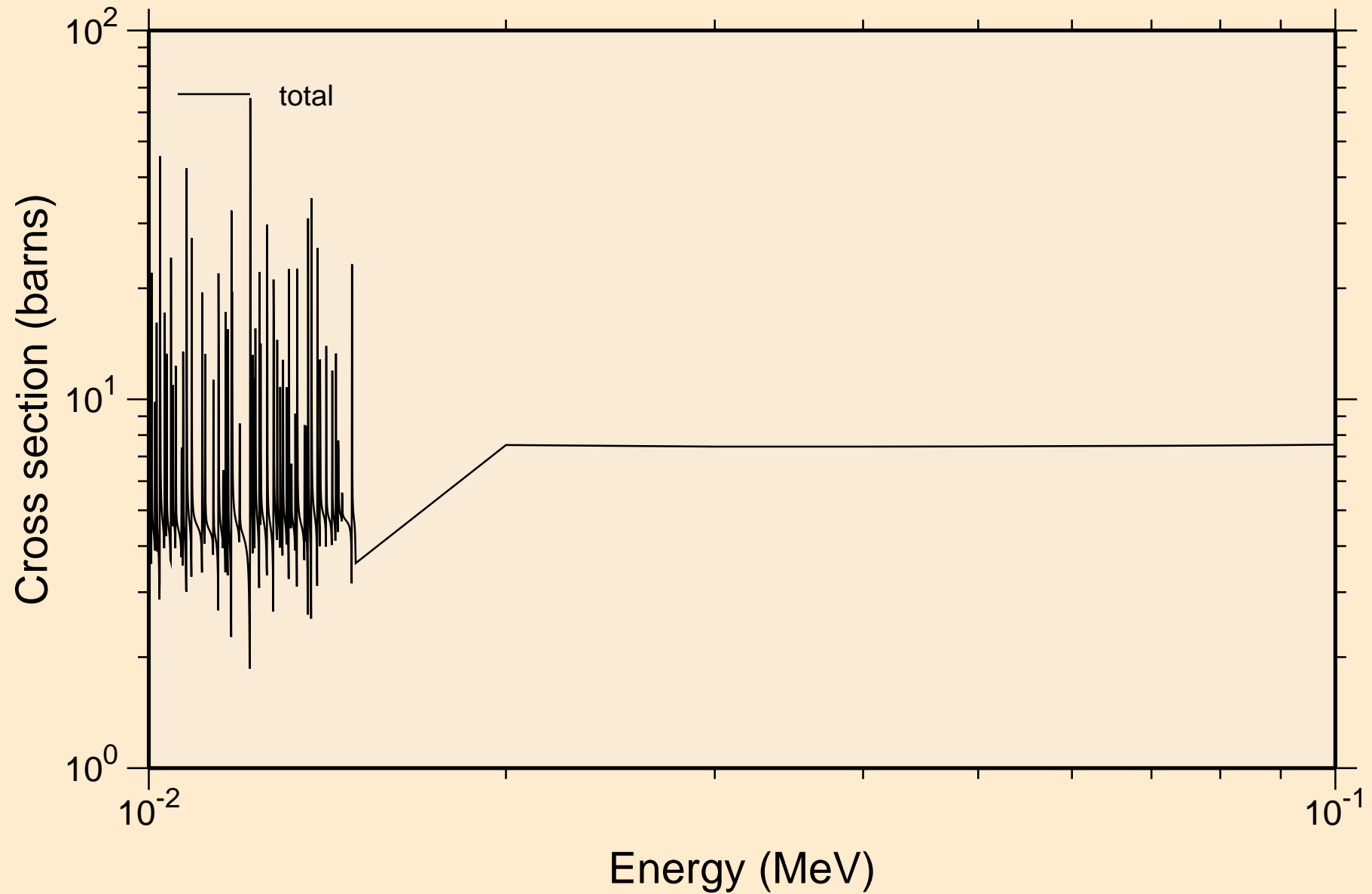
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



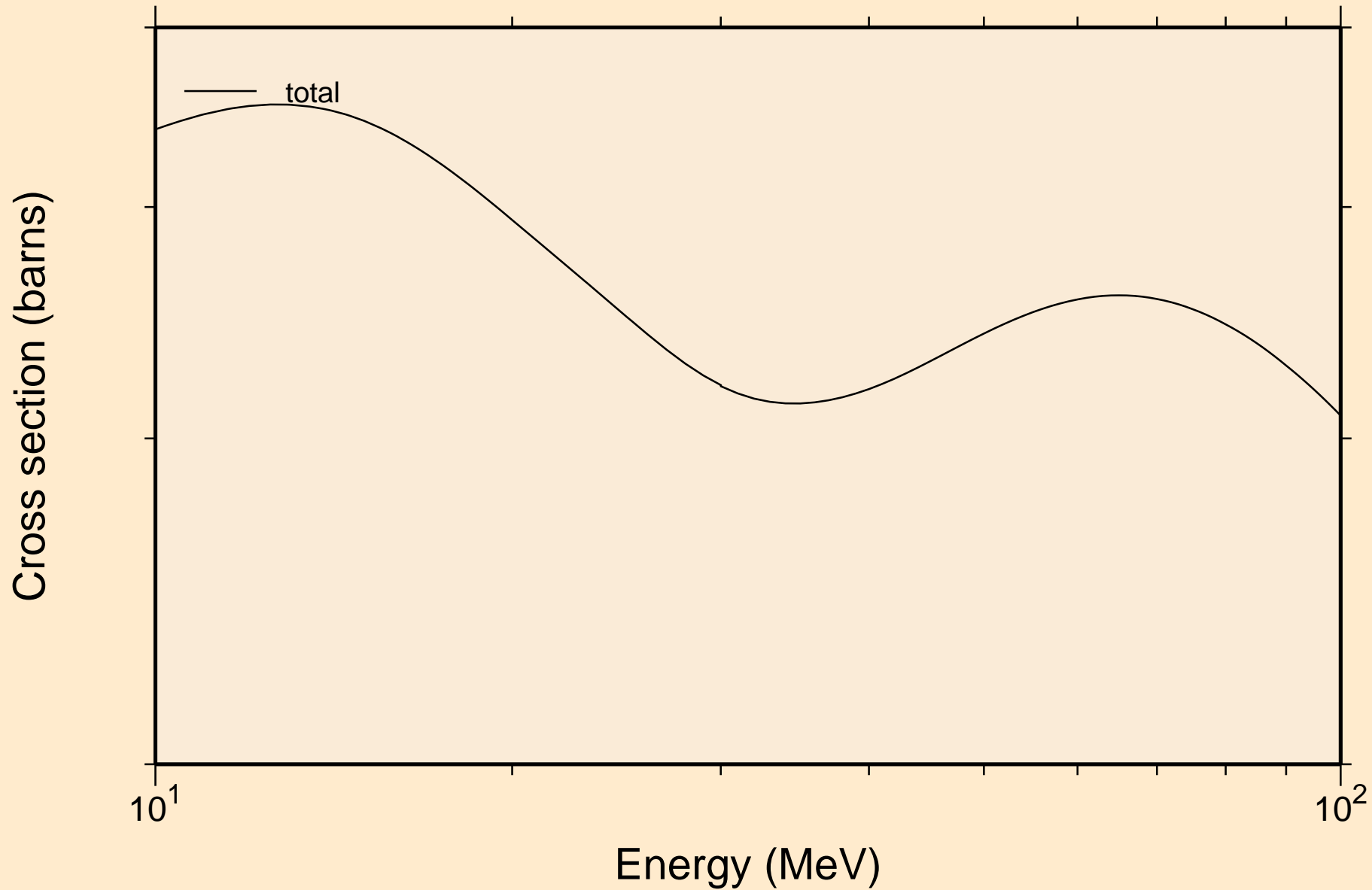
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section

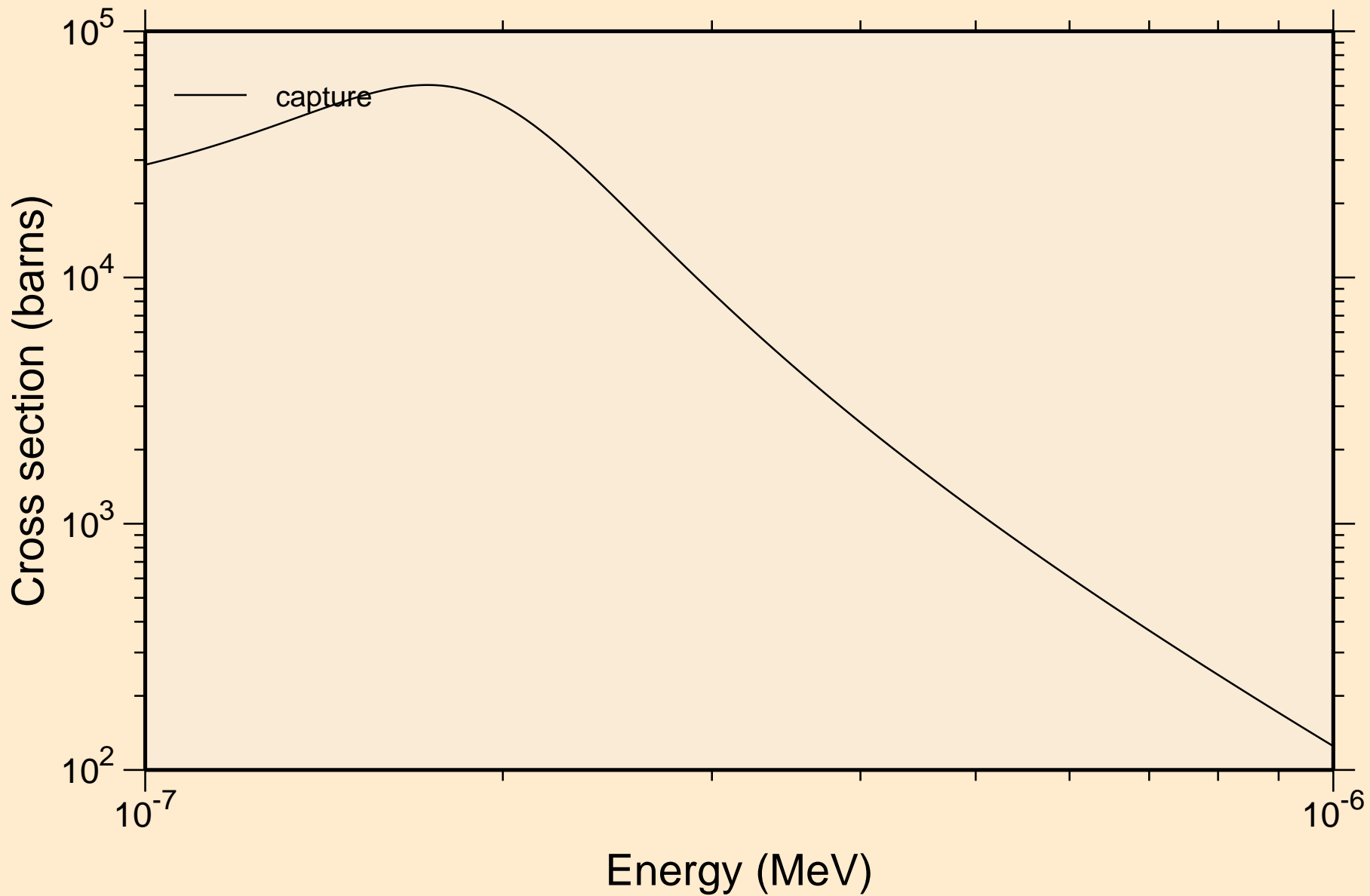


CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section

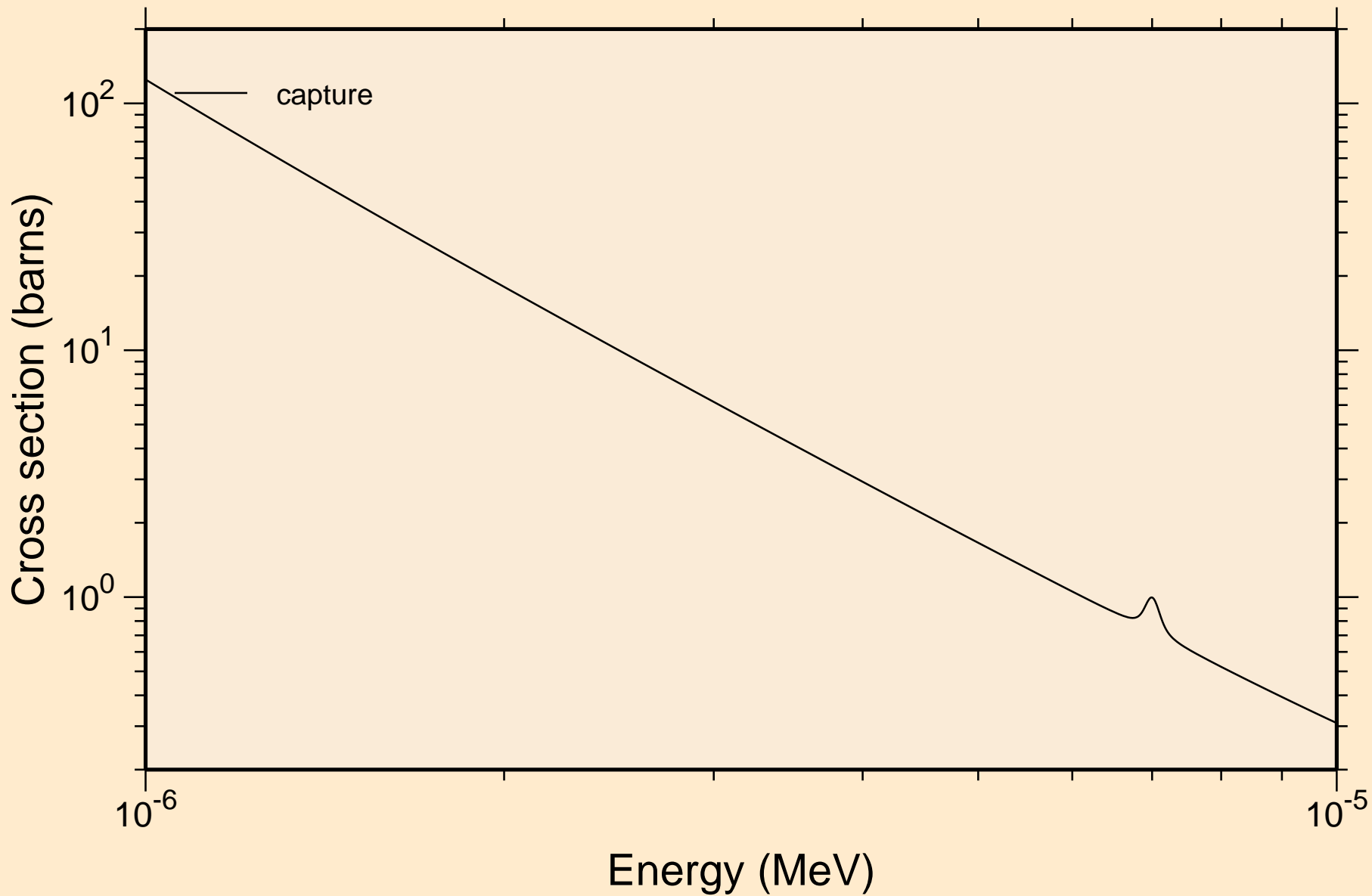




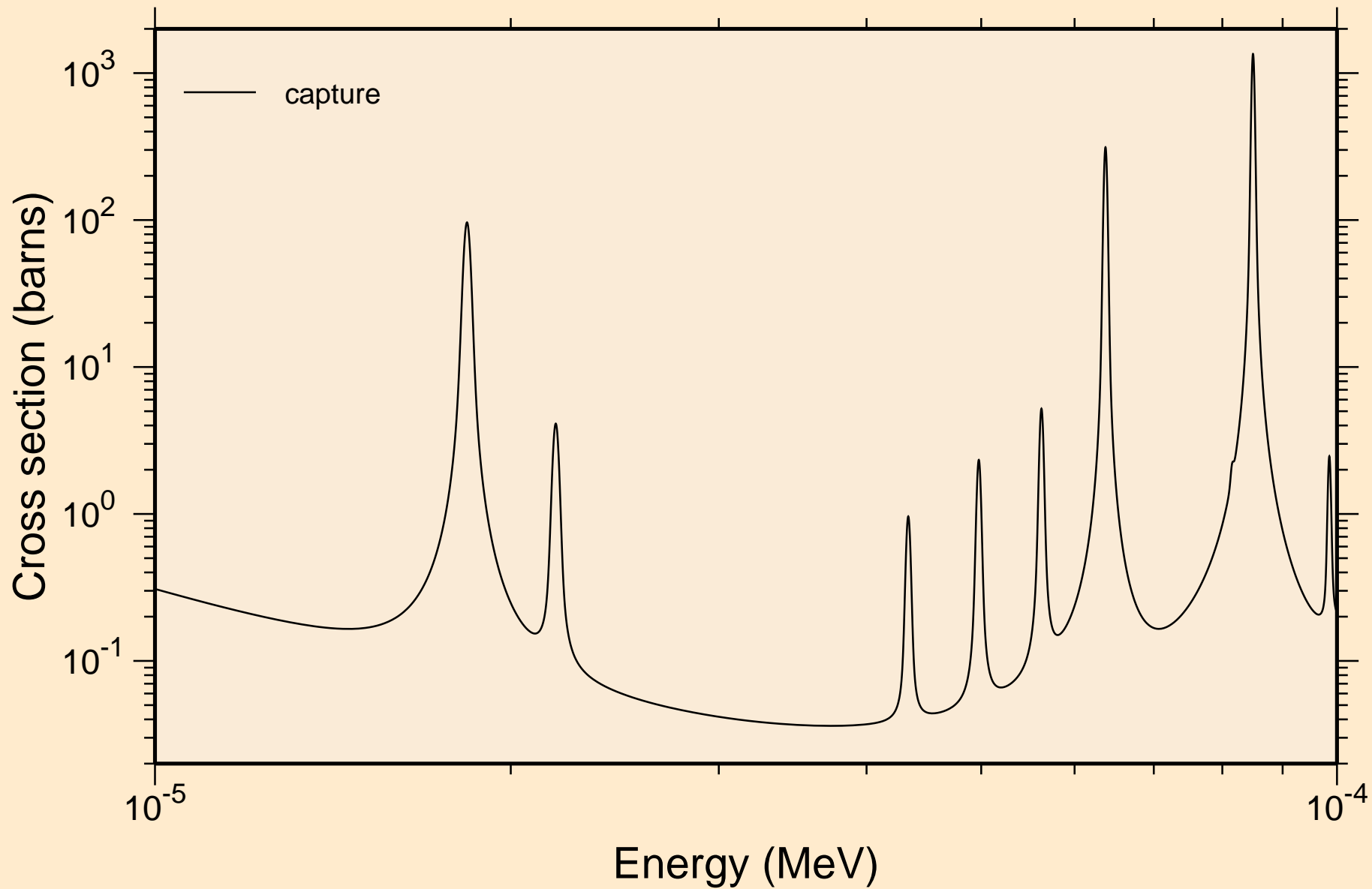
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



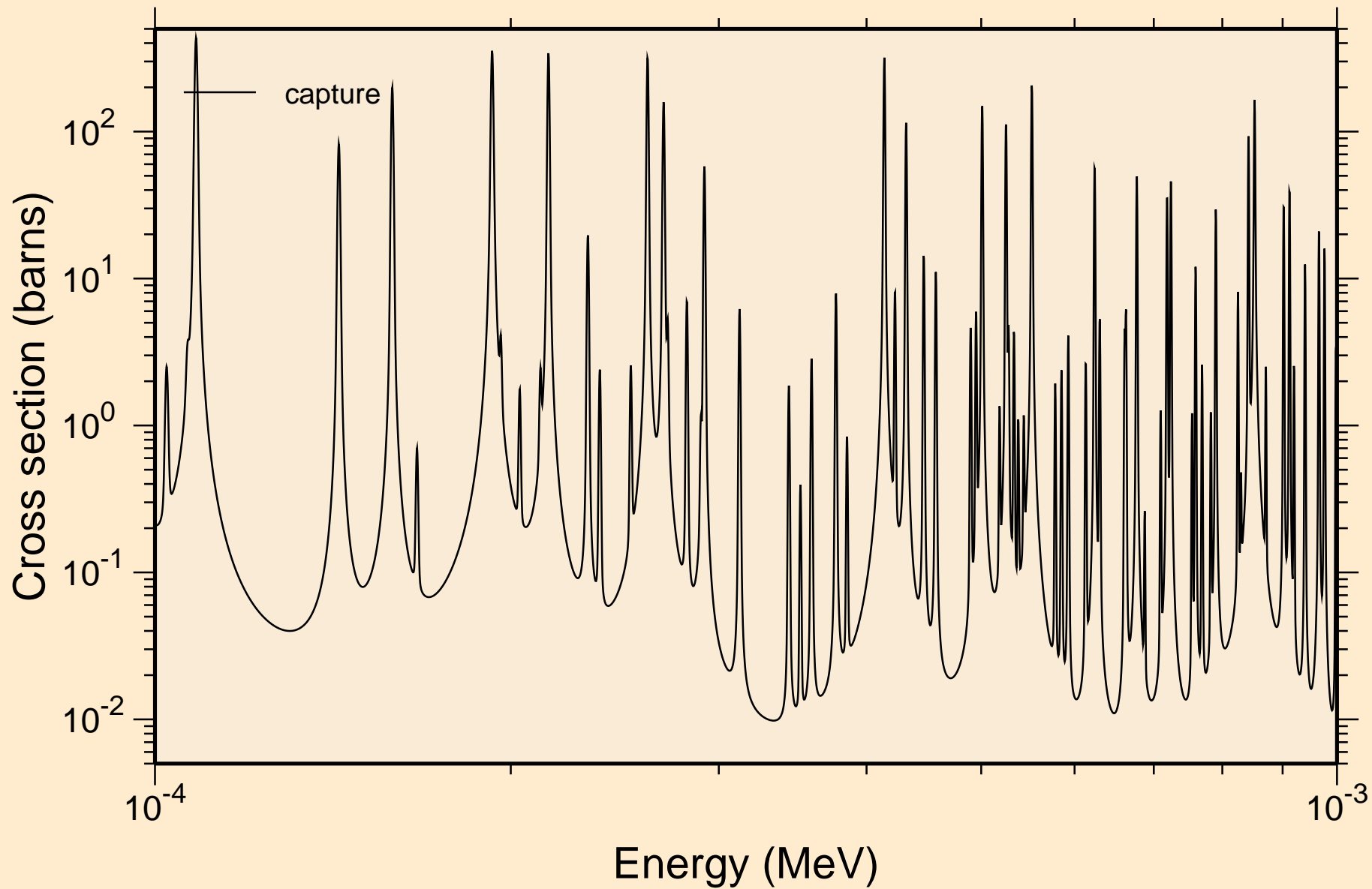
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



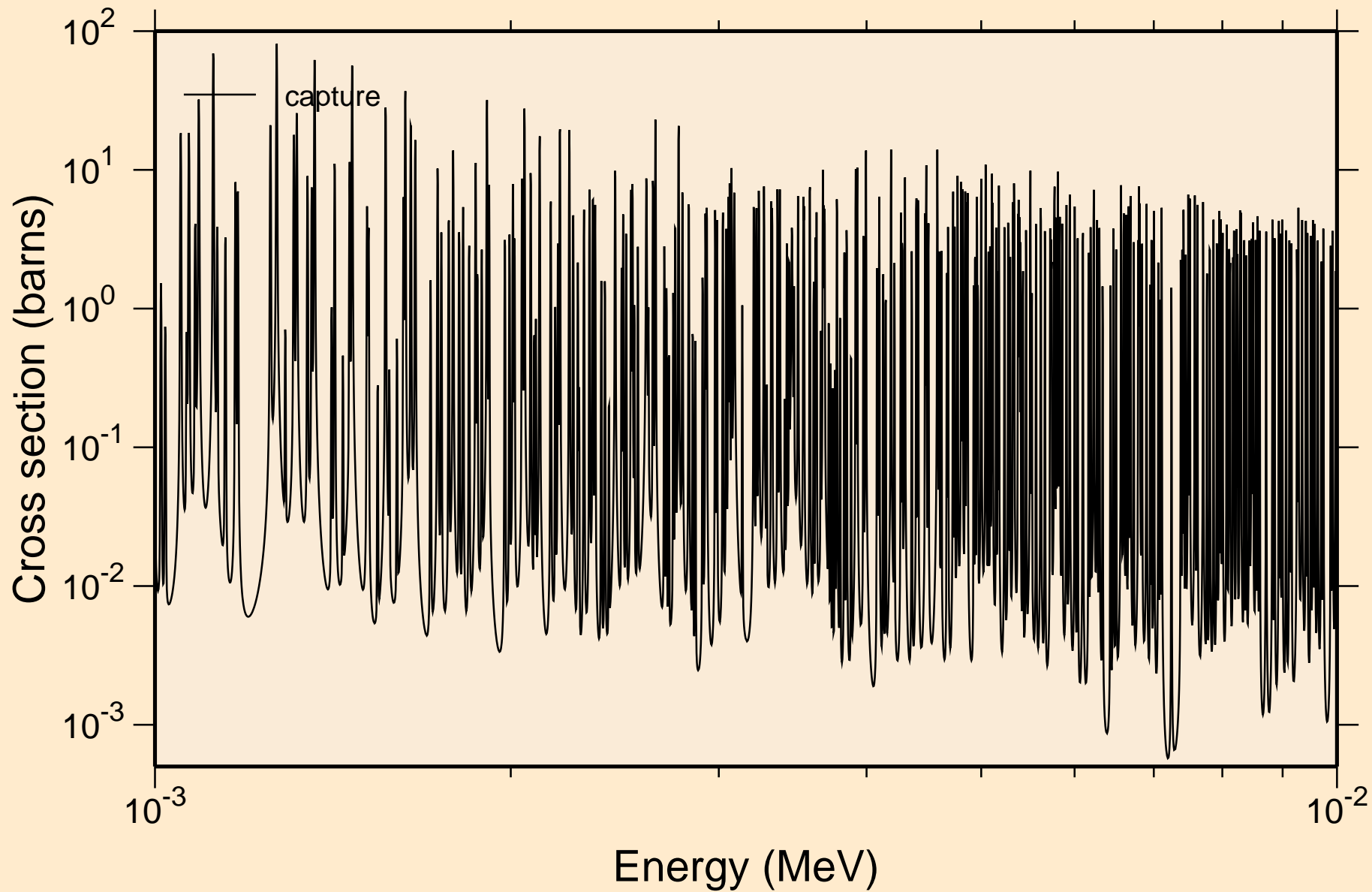
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



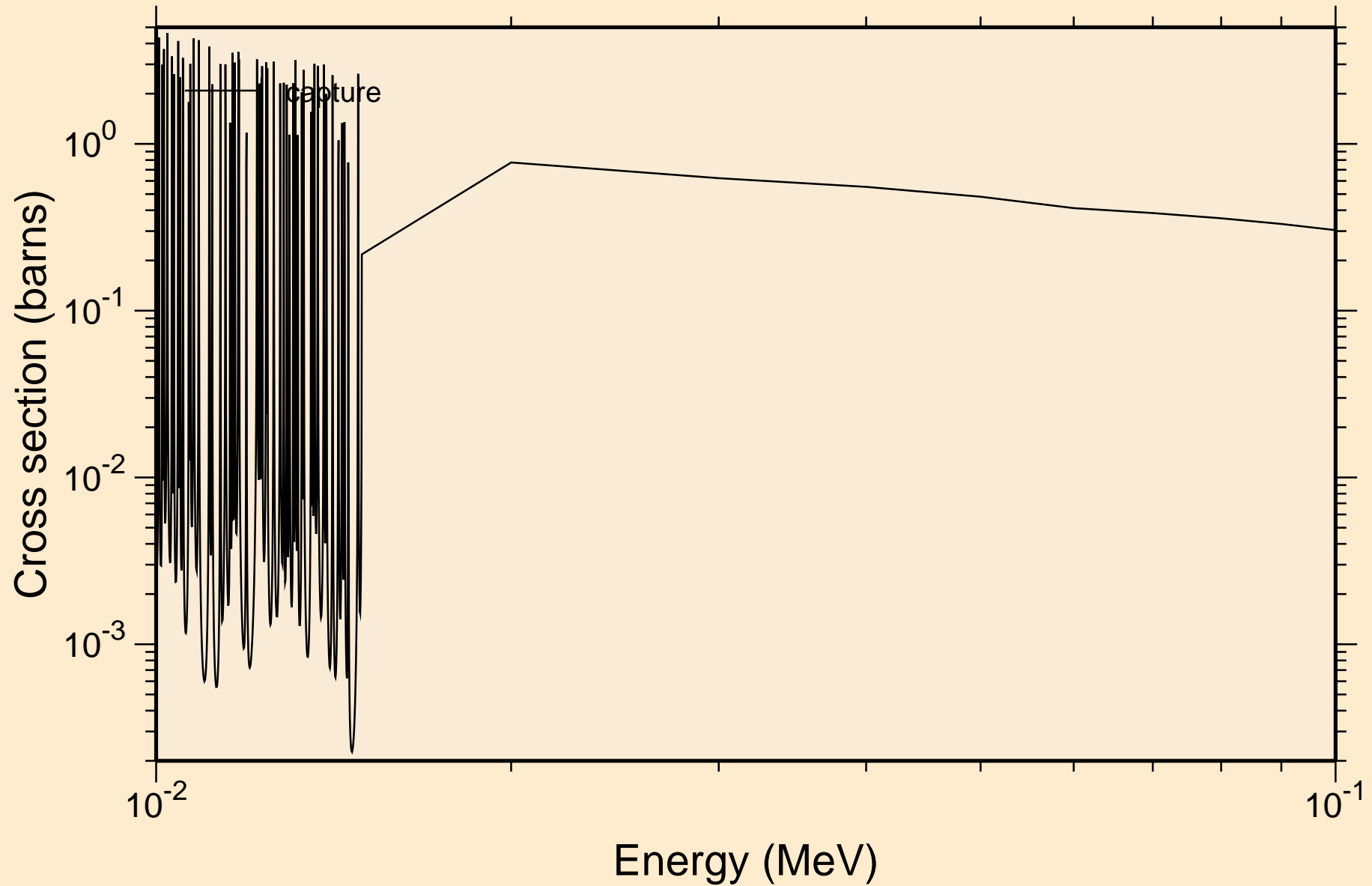
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



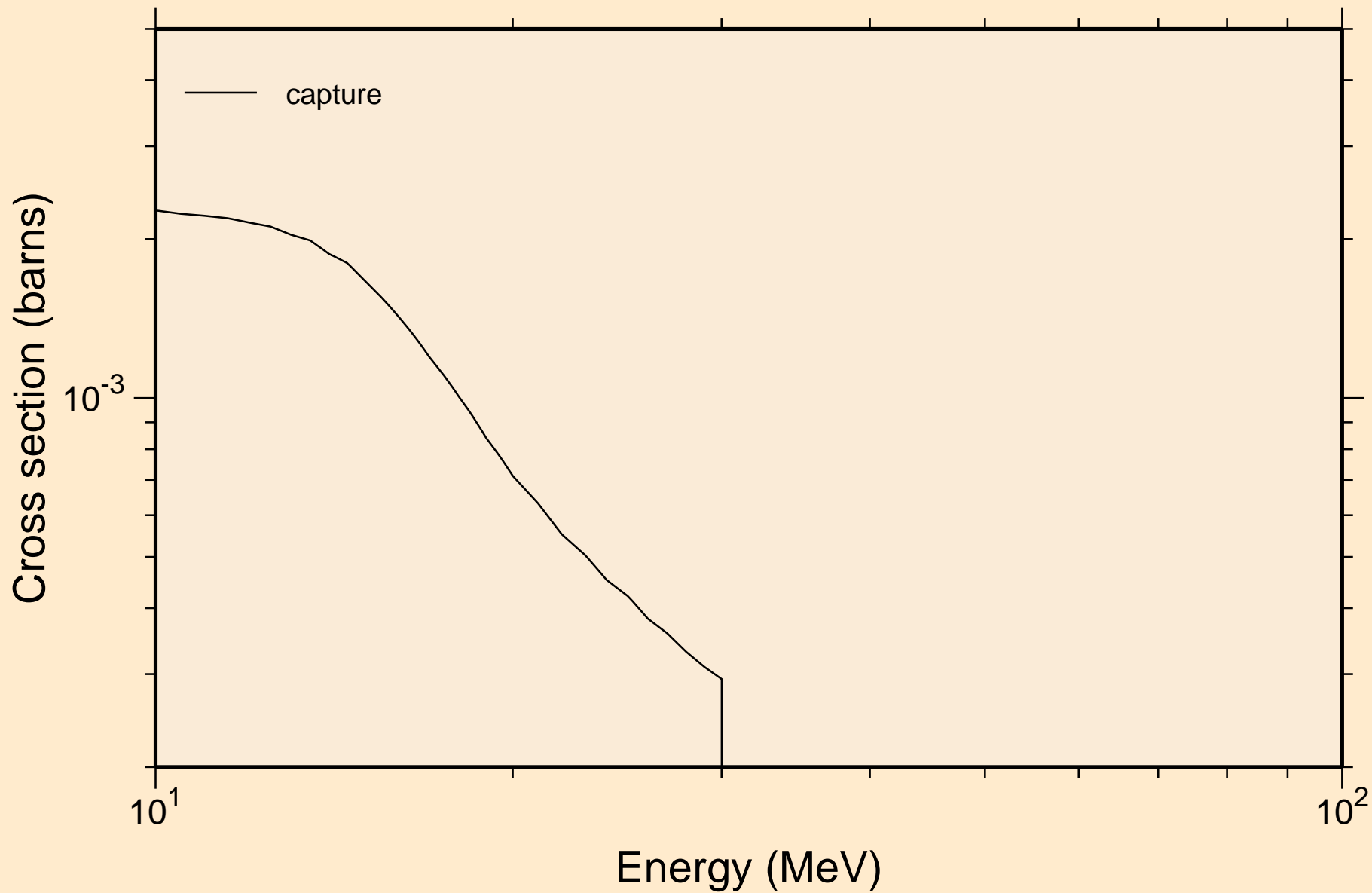
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



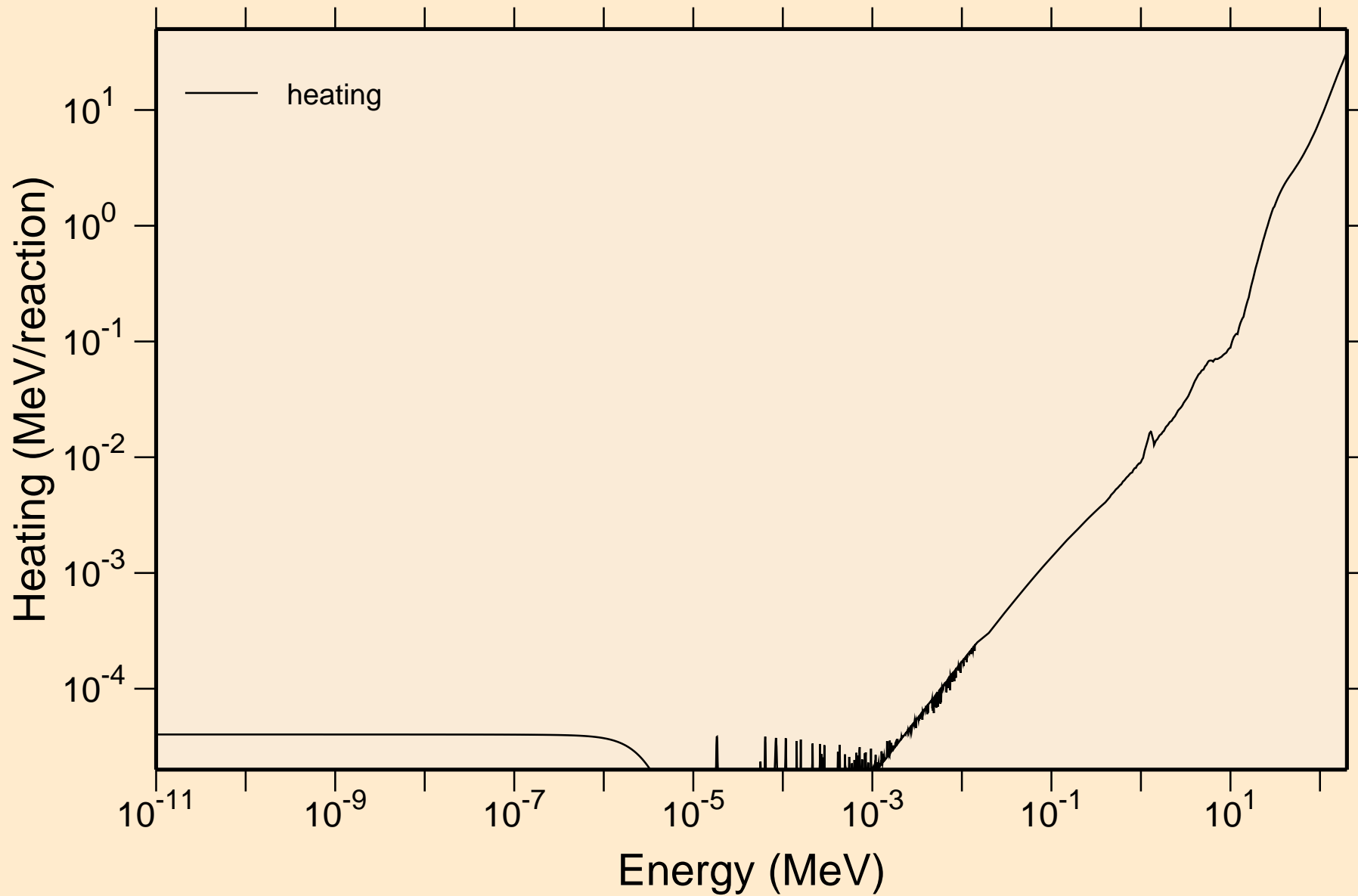
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

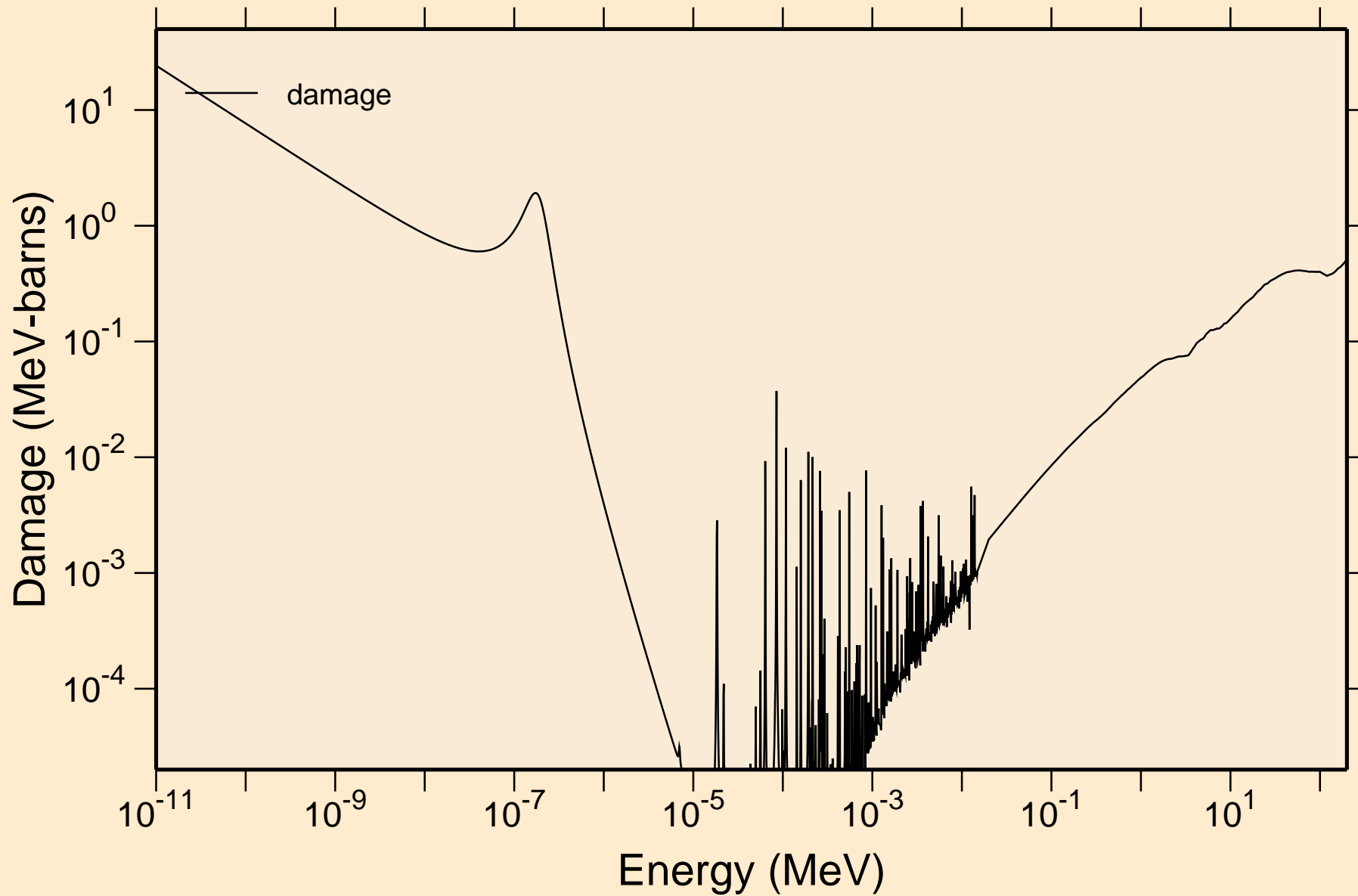


CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating

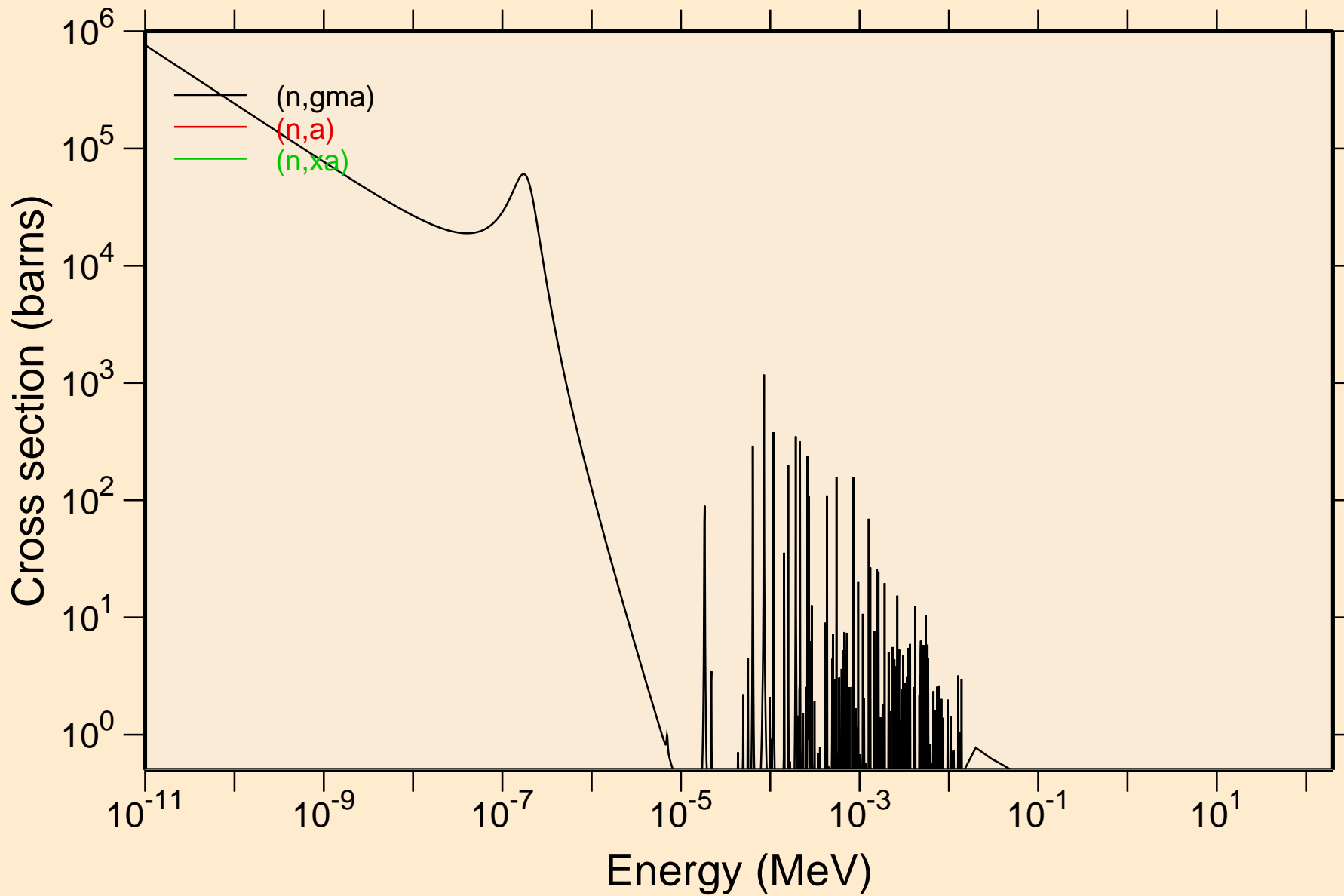




# CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K Damage

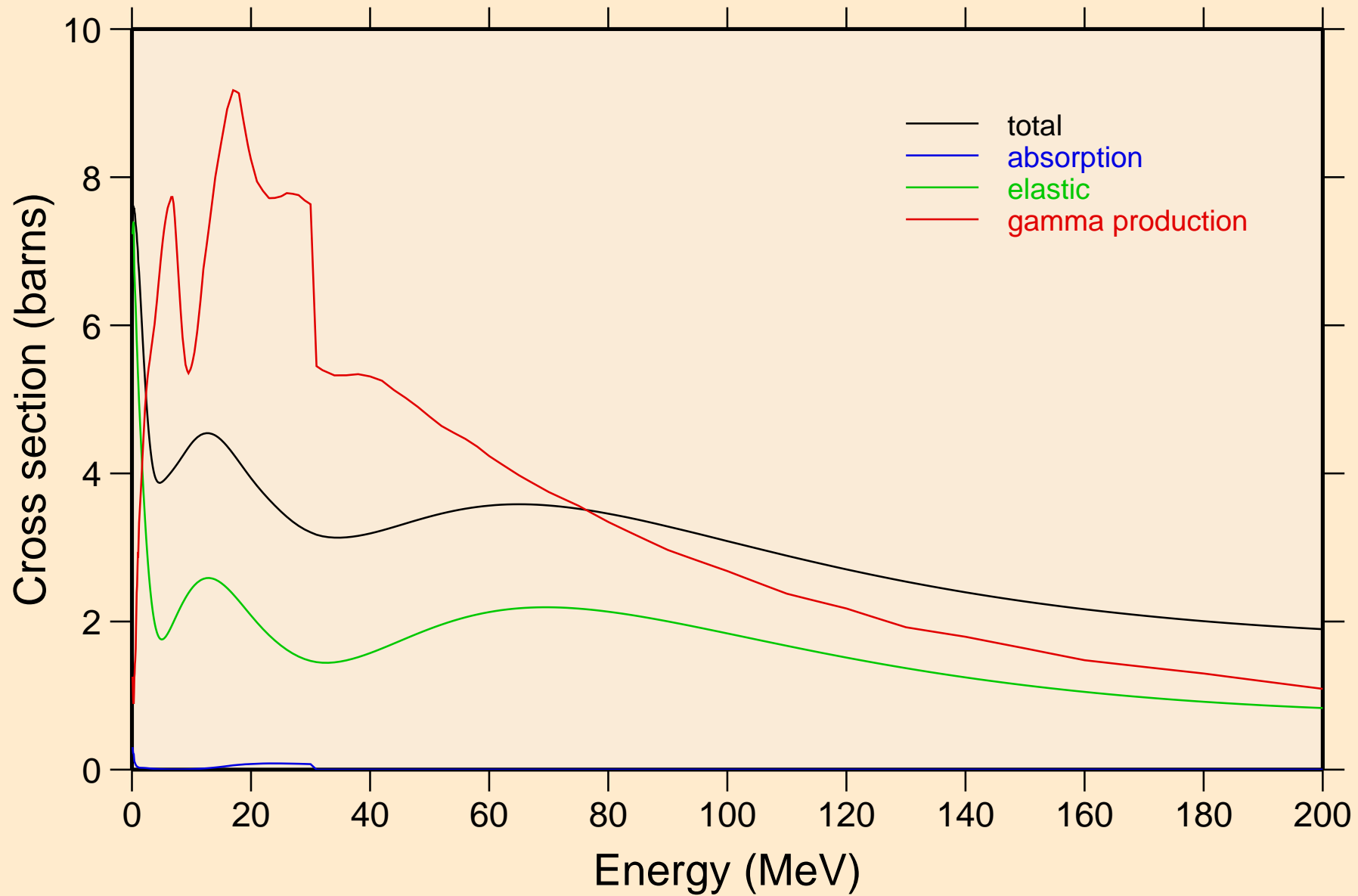


CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

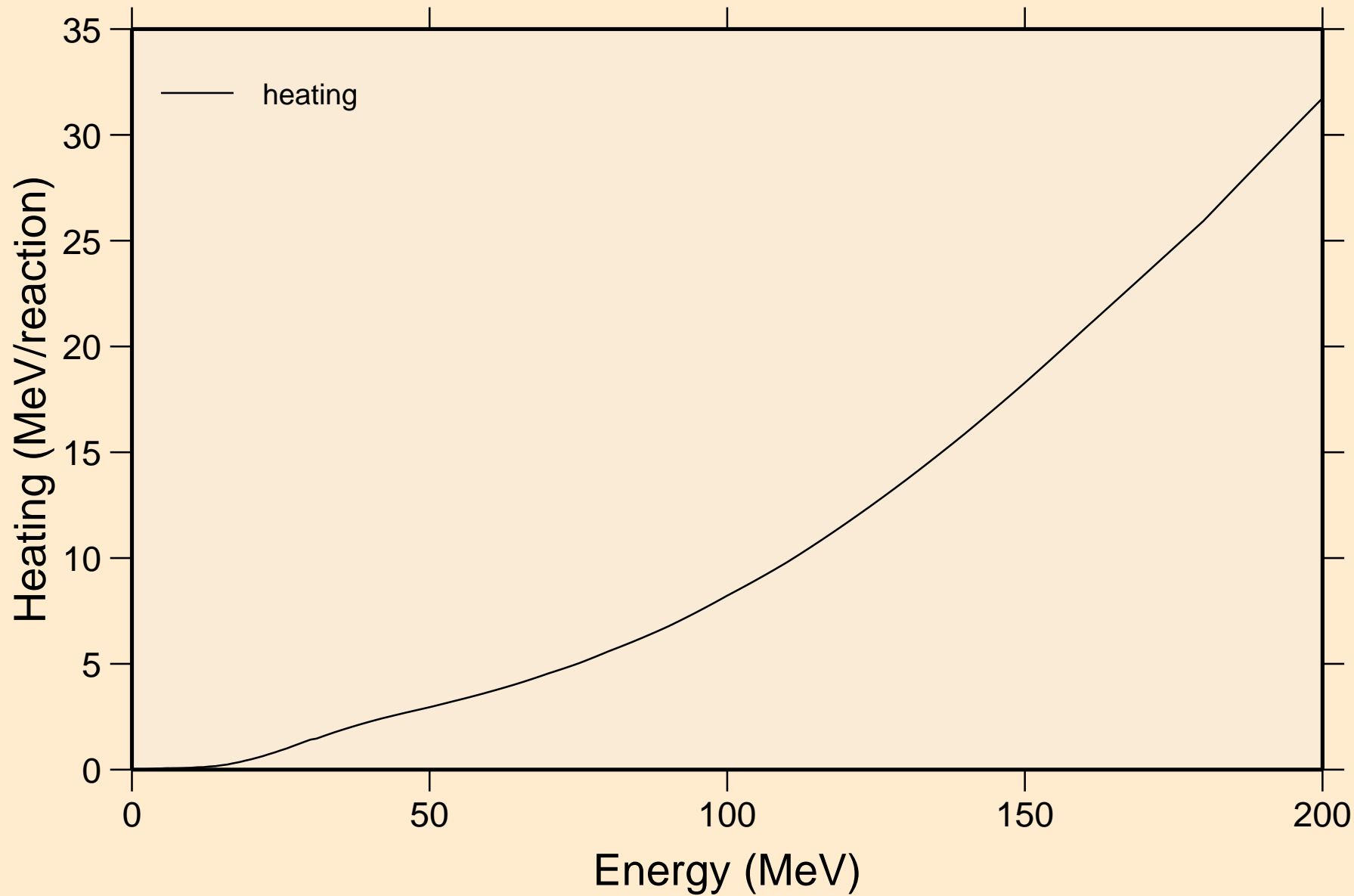


# CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

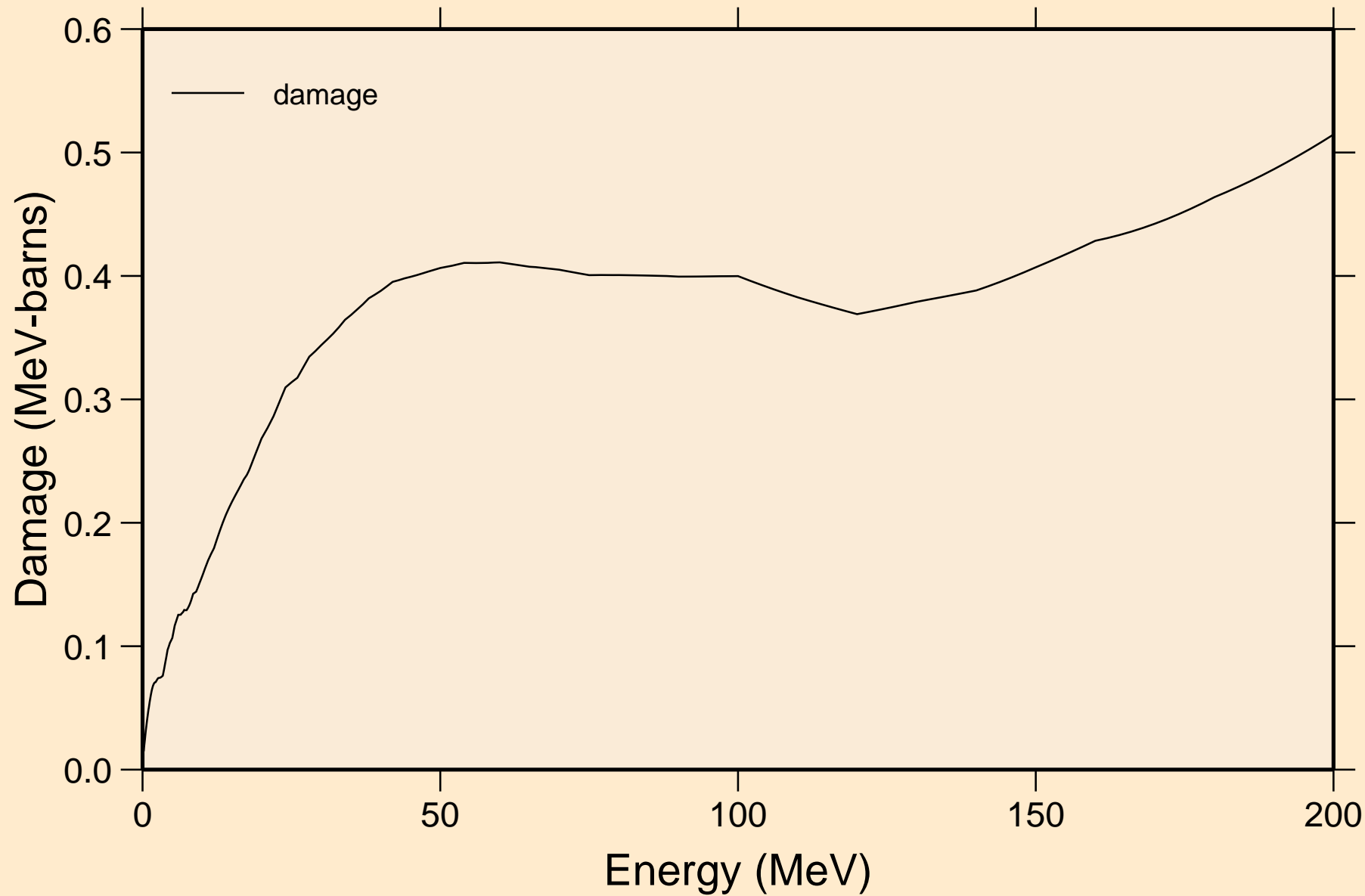
## Principal cross sections



CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating

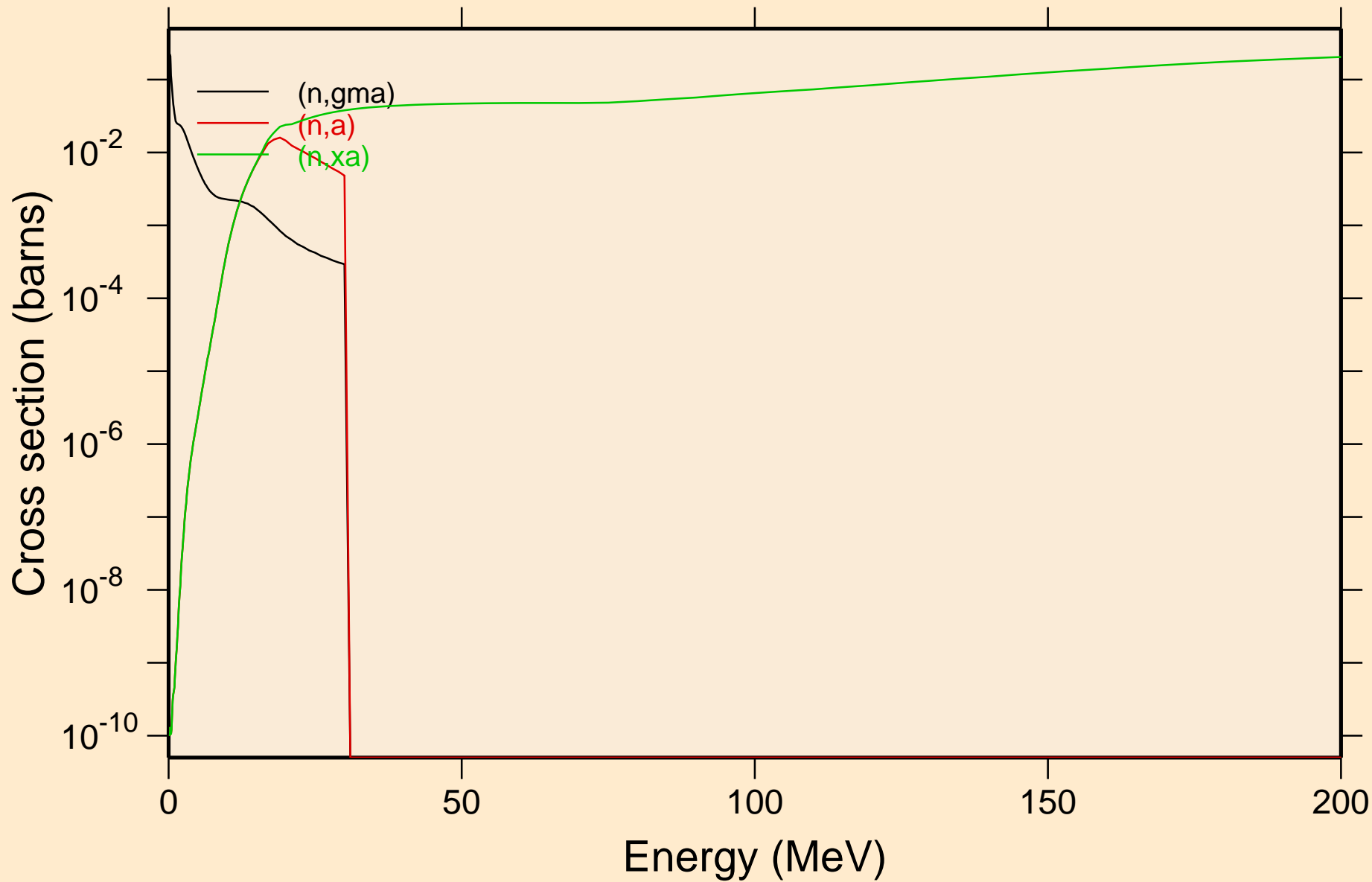


CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

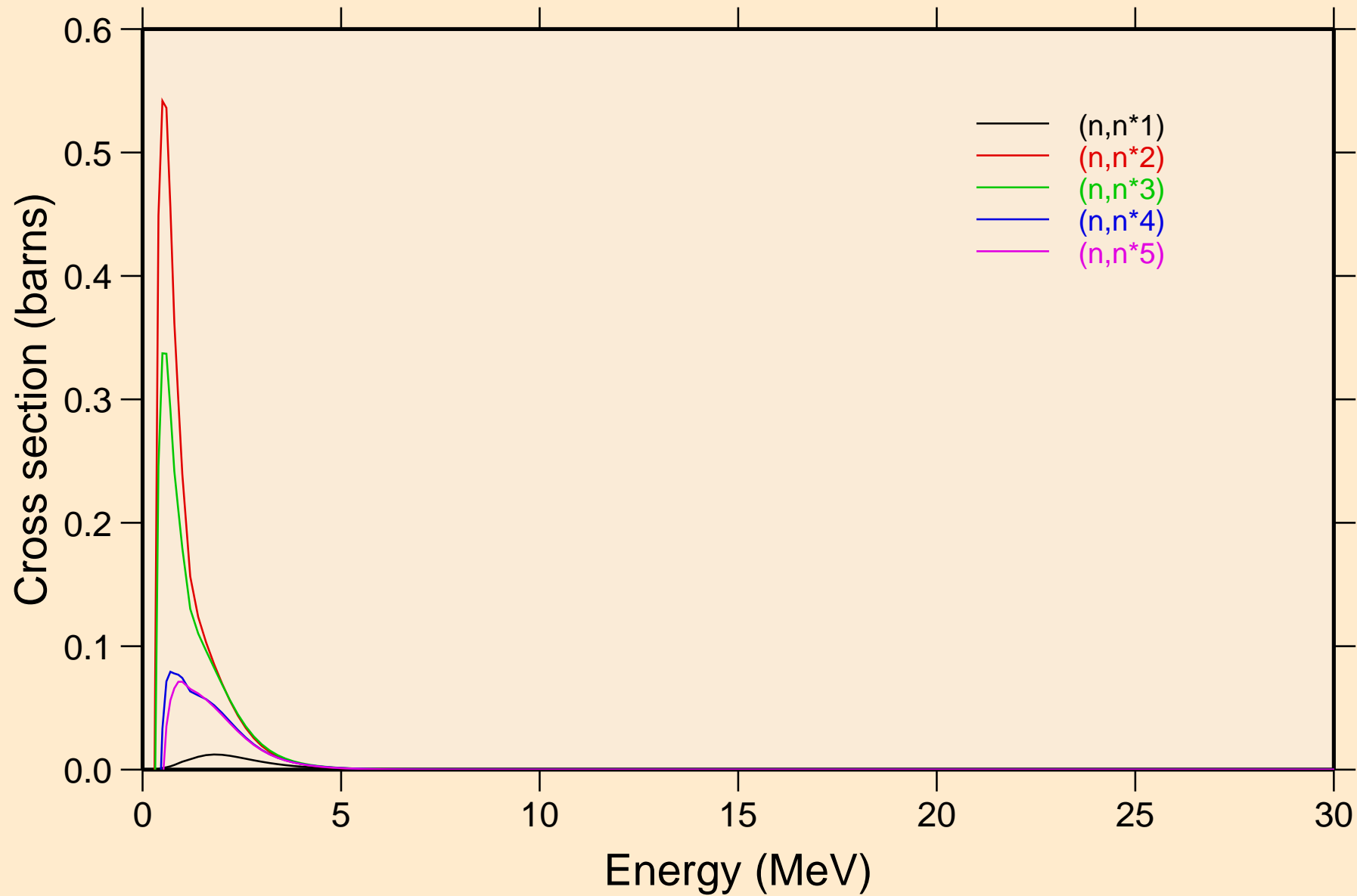


# CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

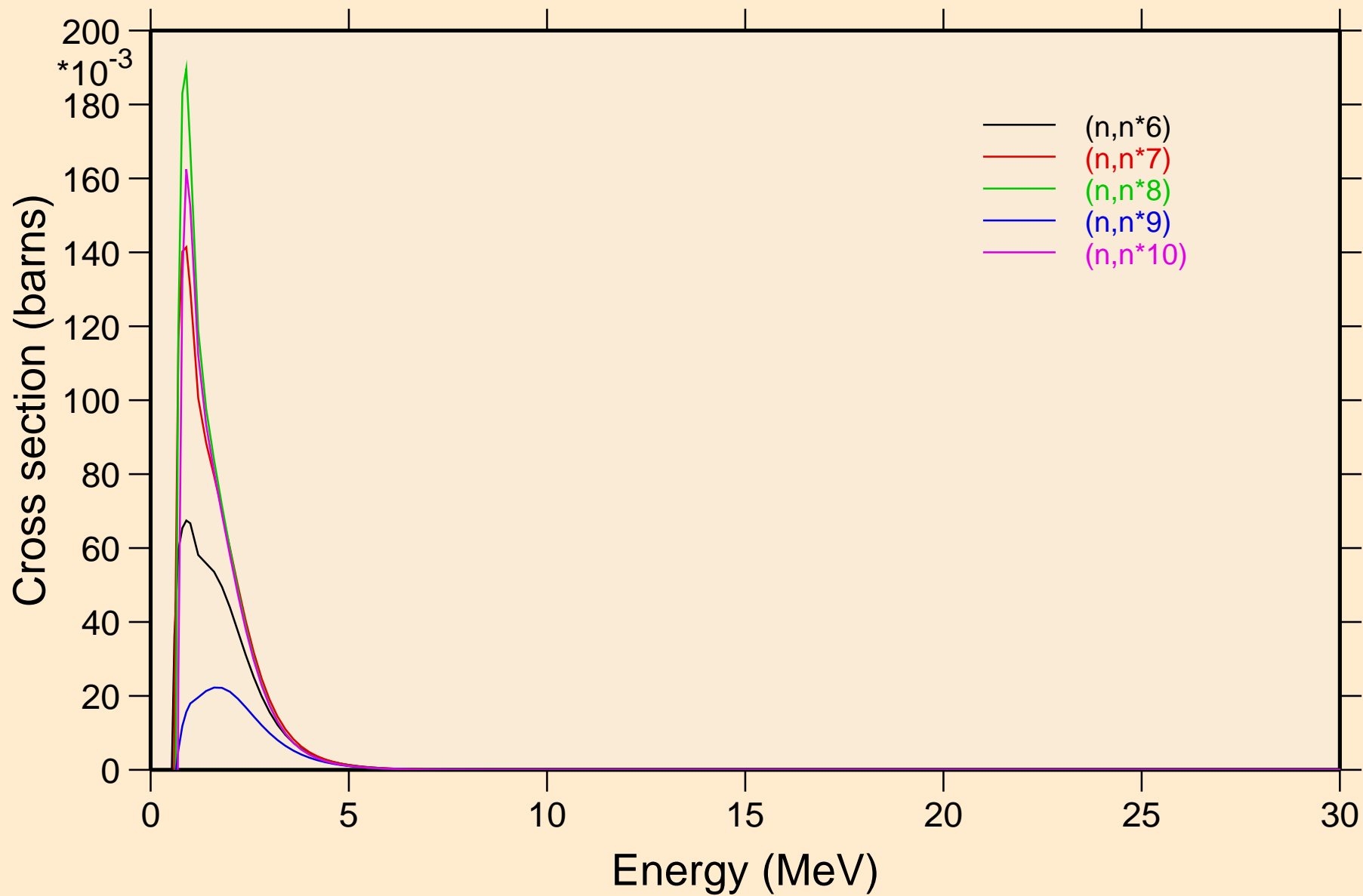
## Non-threshold reactions



CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

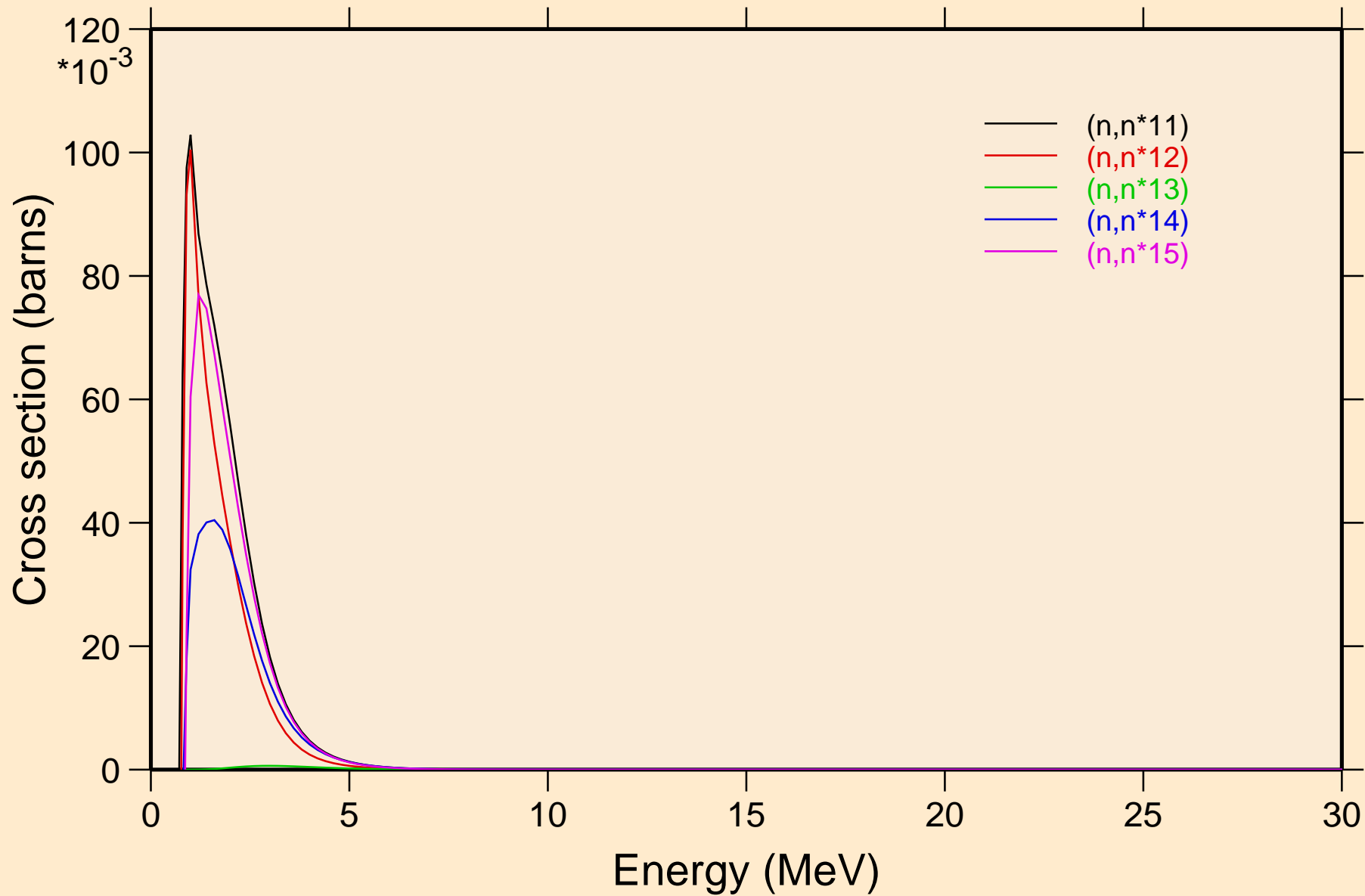


CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

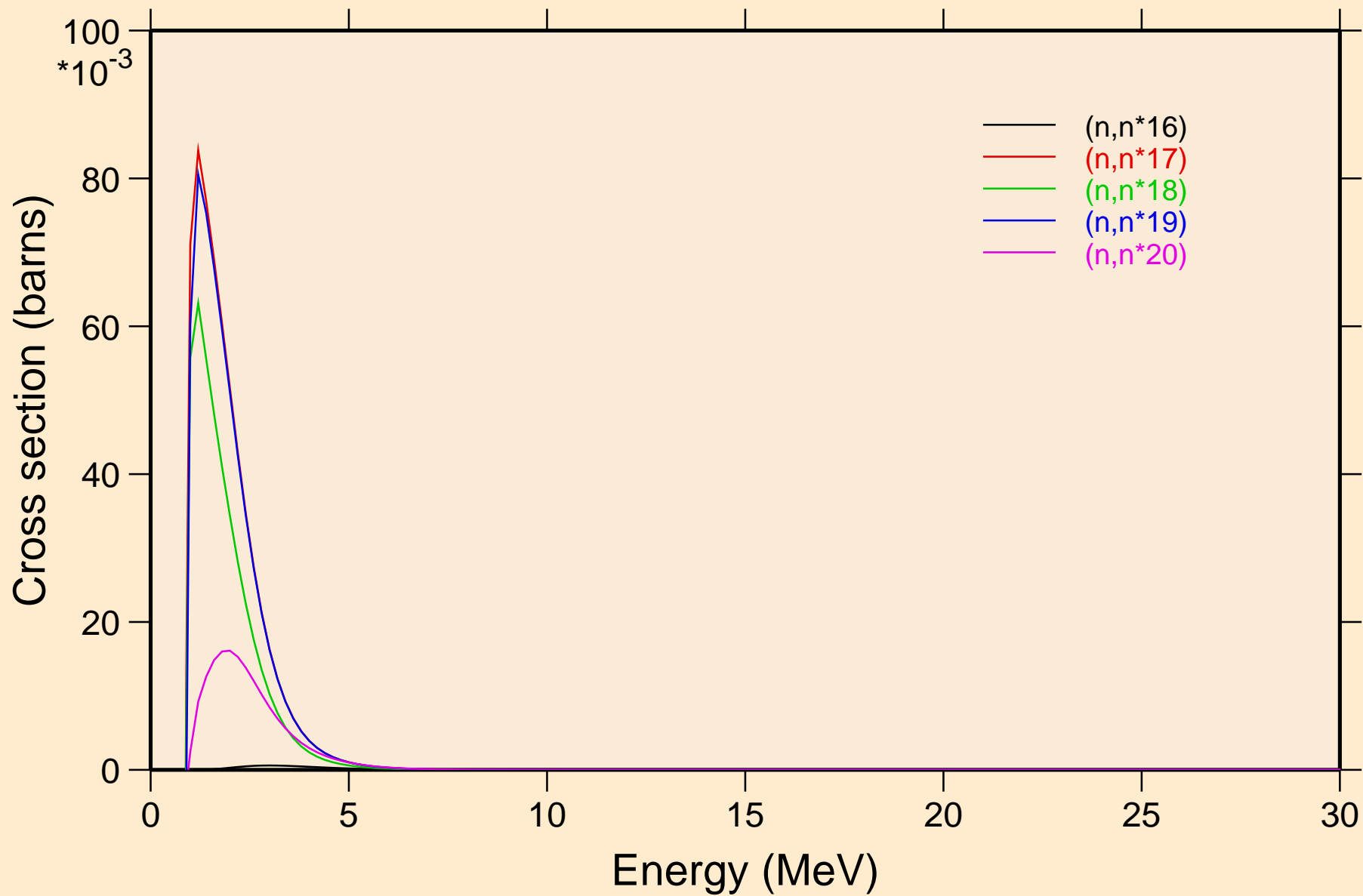




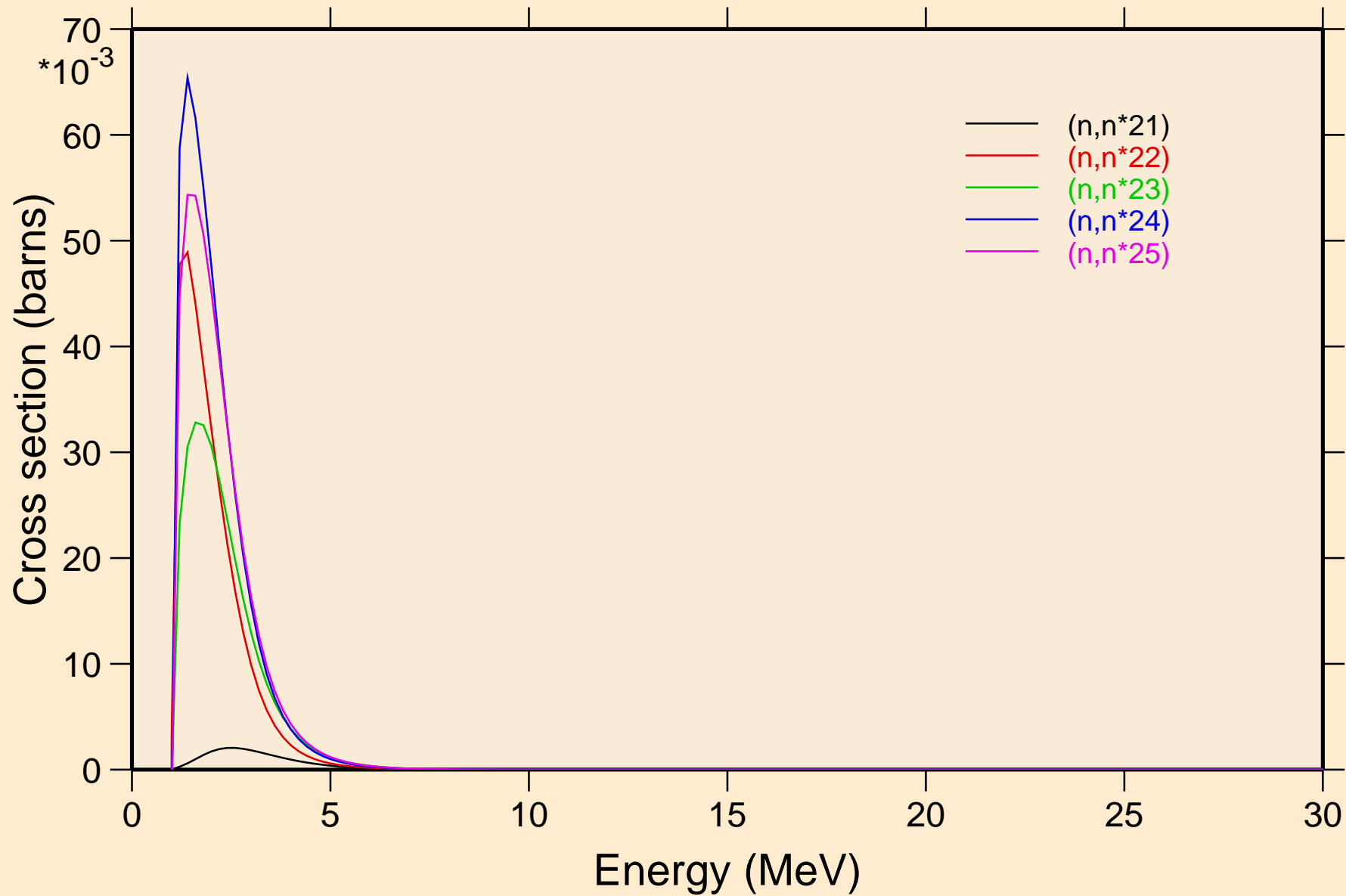
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



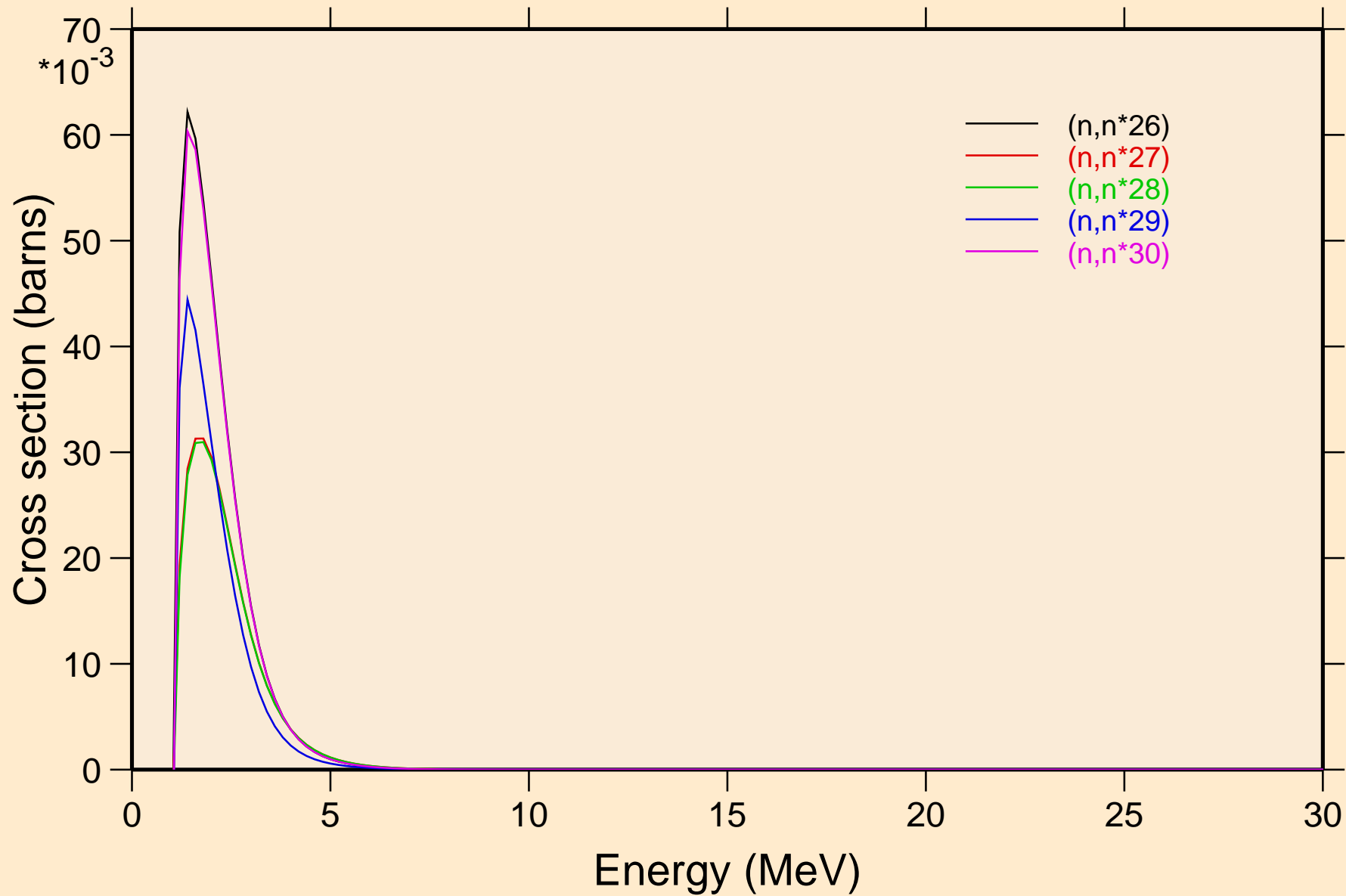
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

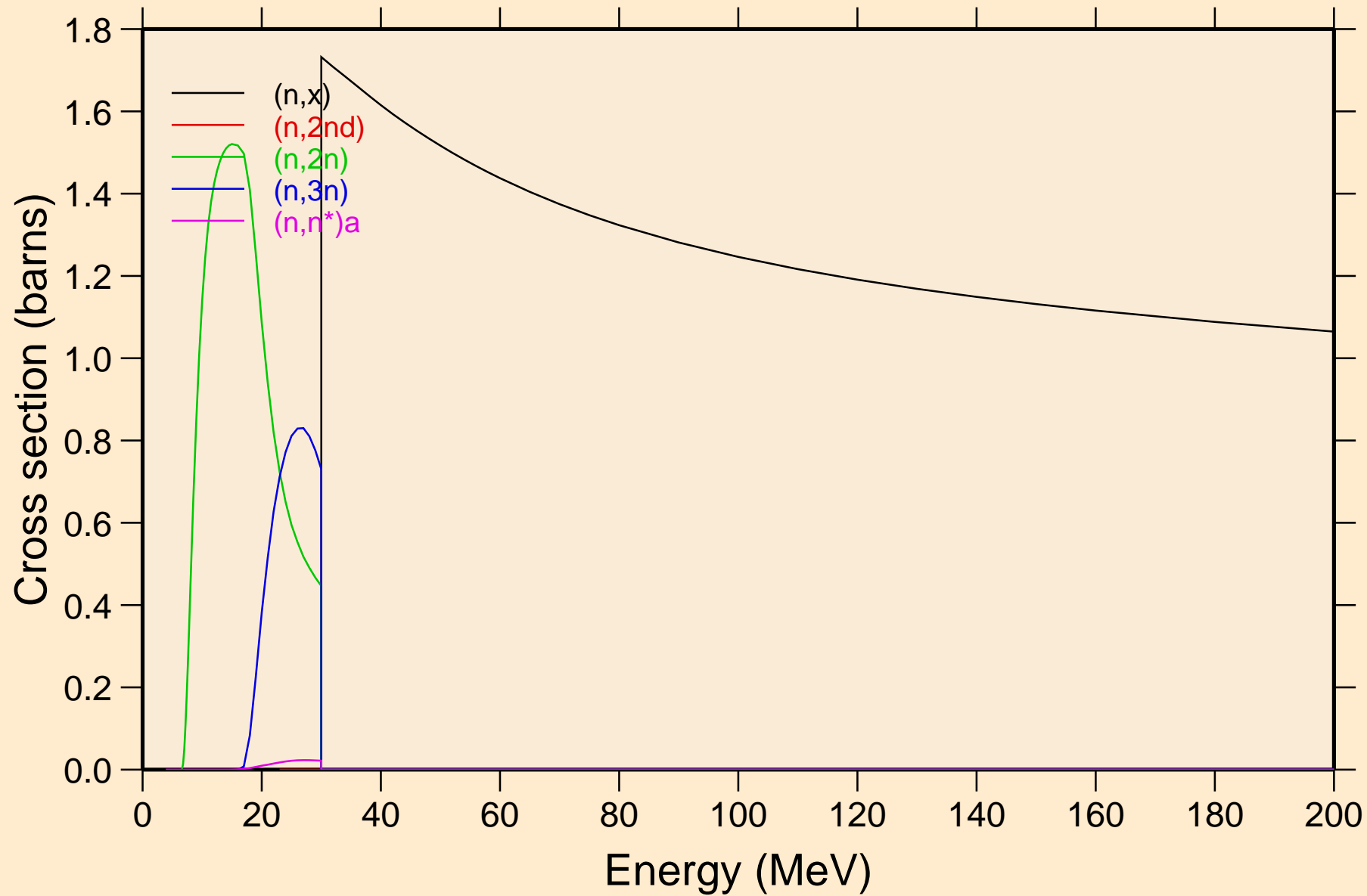


CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



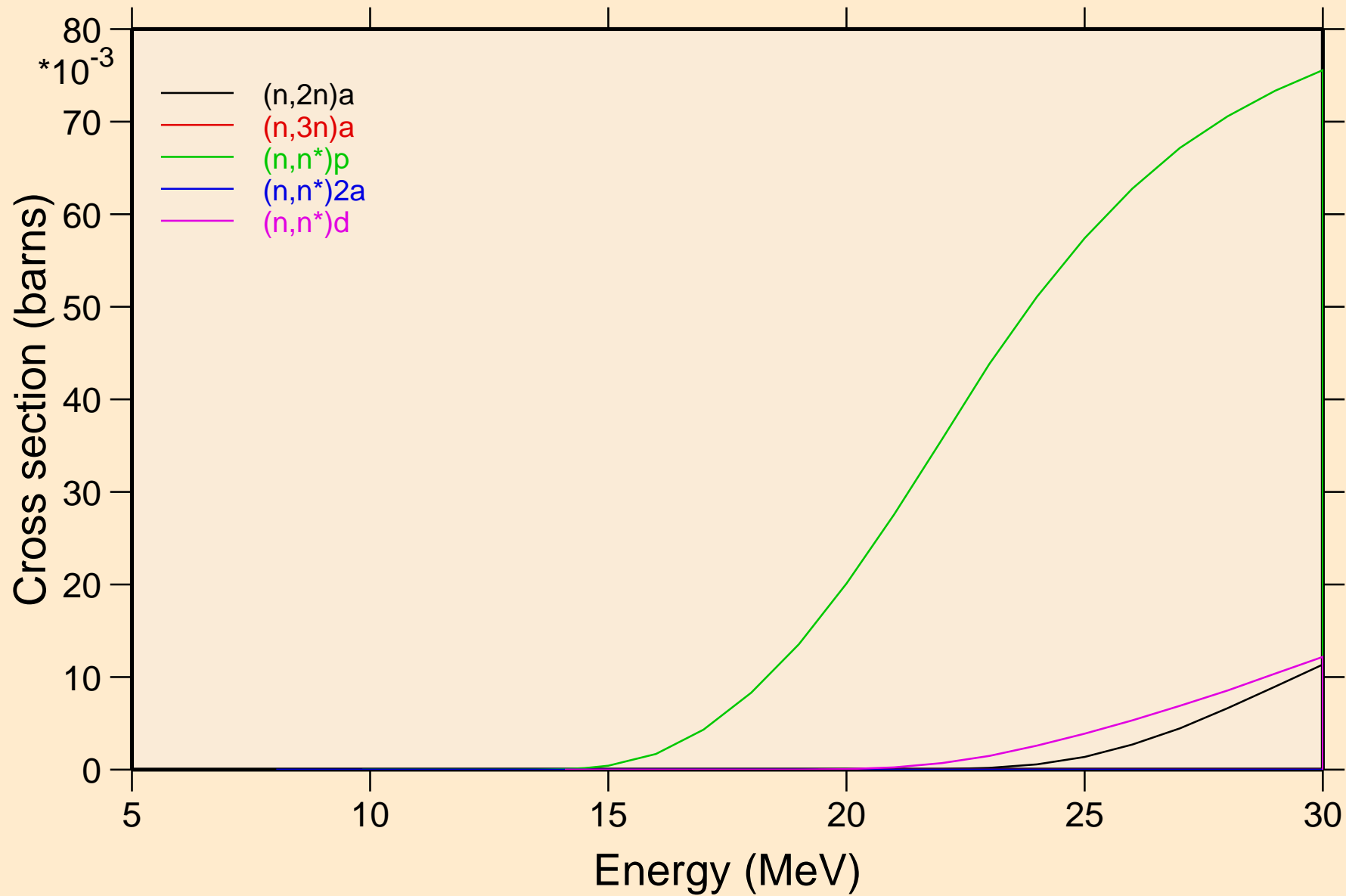
# CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions



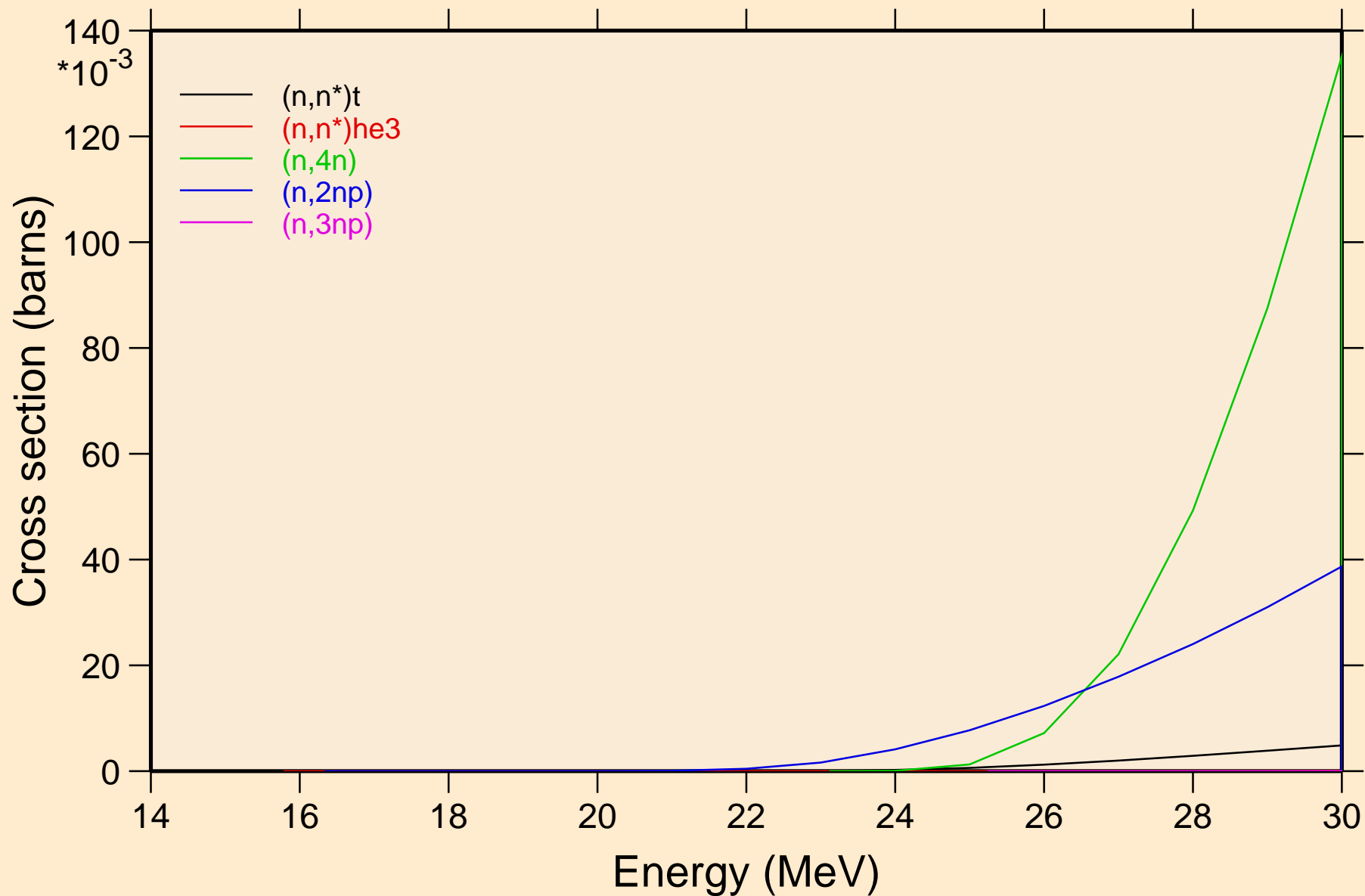
# CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions



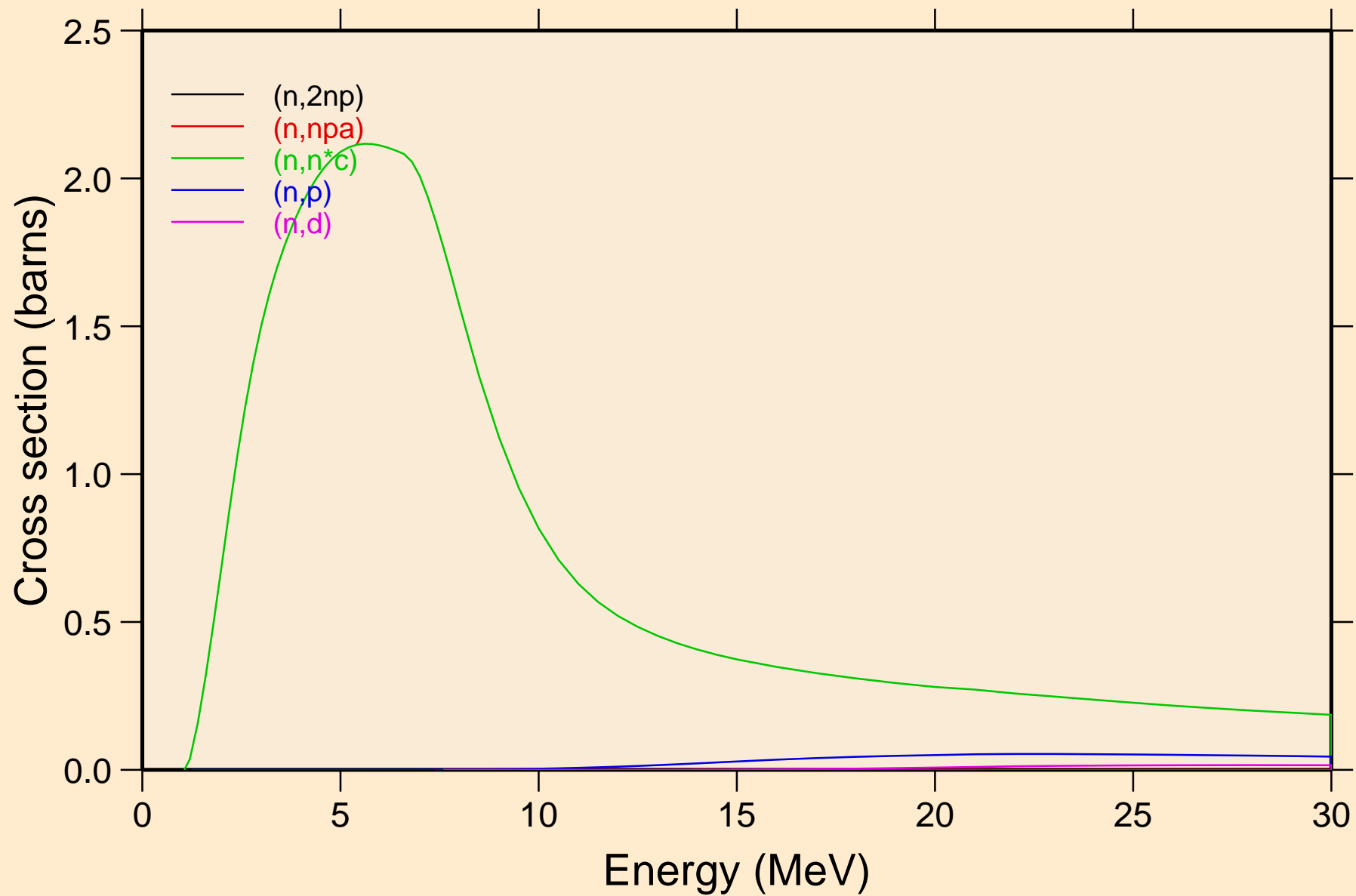
# CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions



# CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

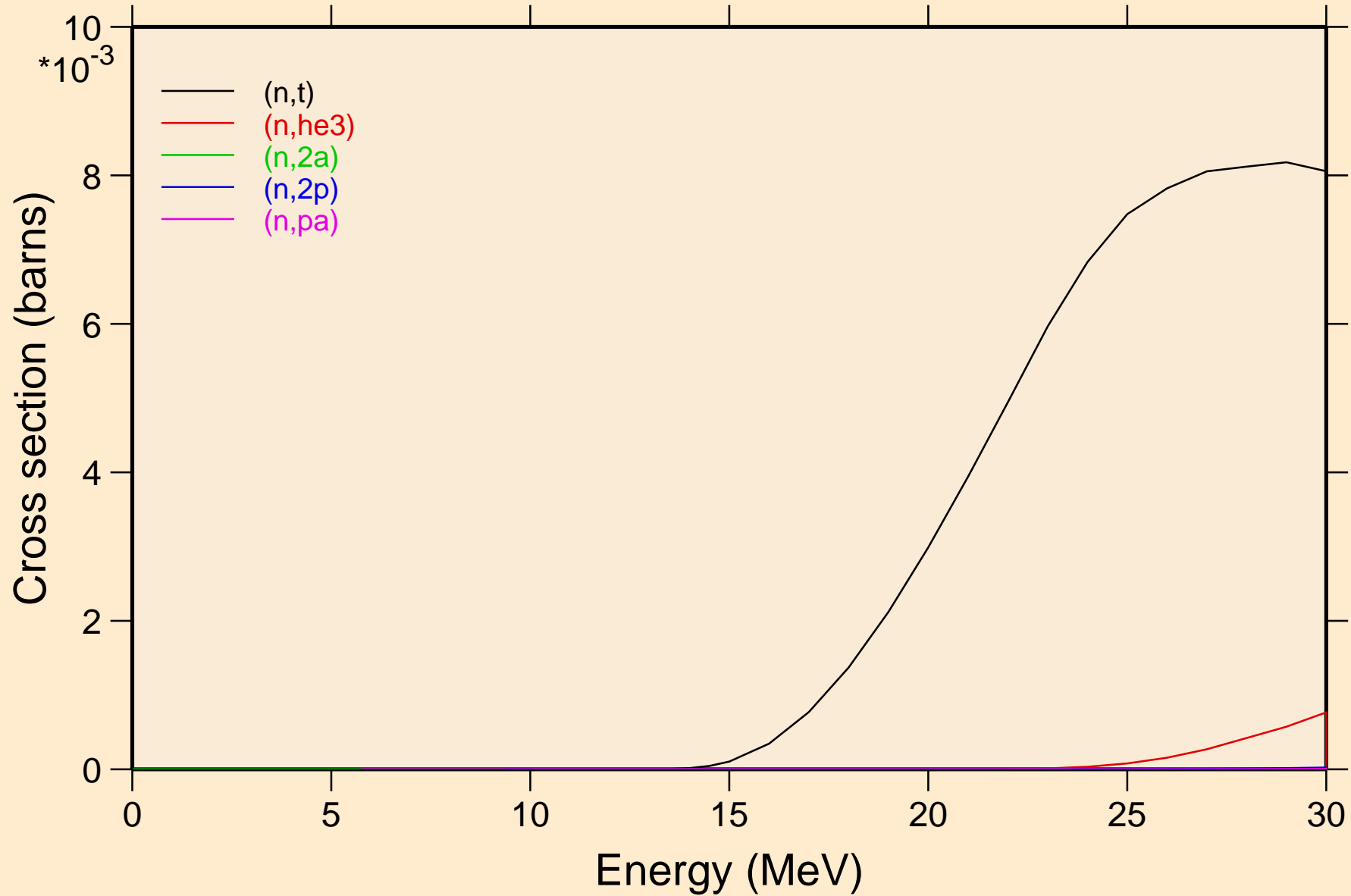
## Threshold reactions





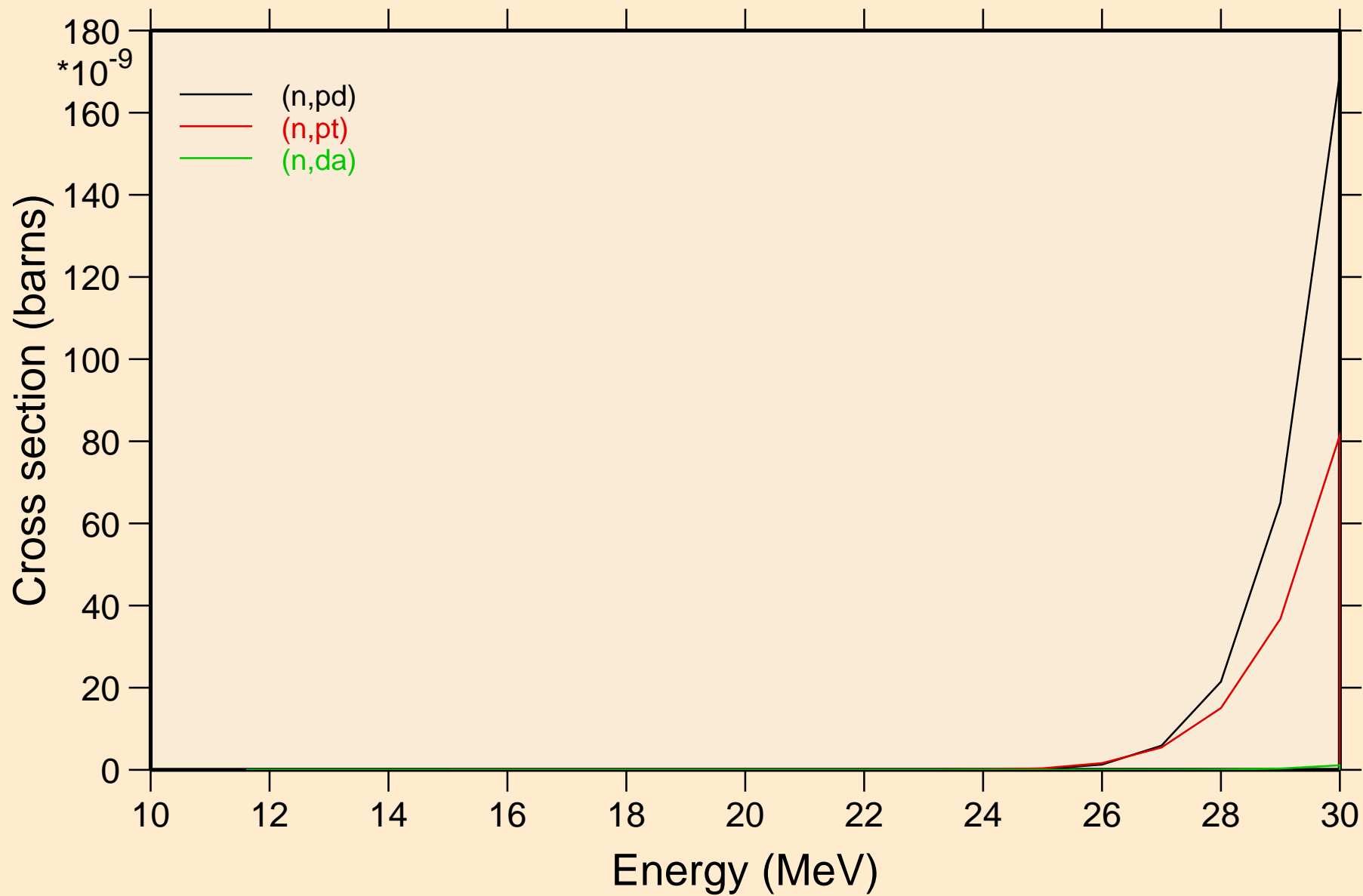
# CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions

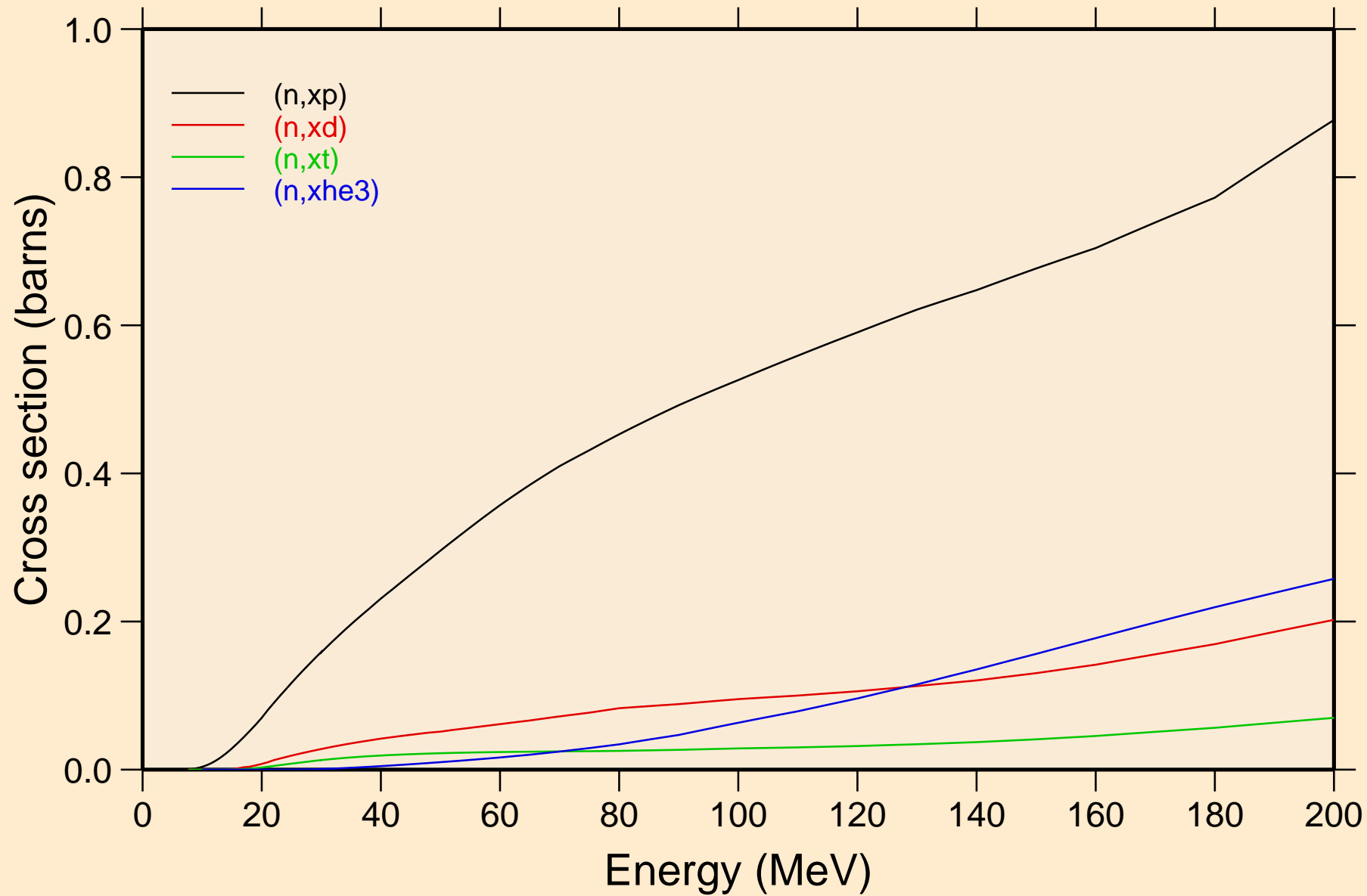


# CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

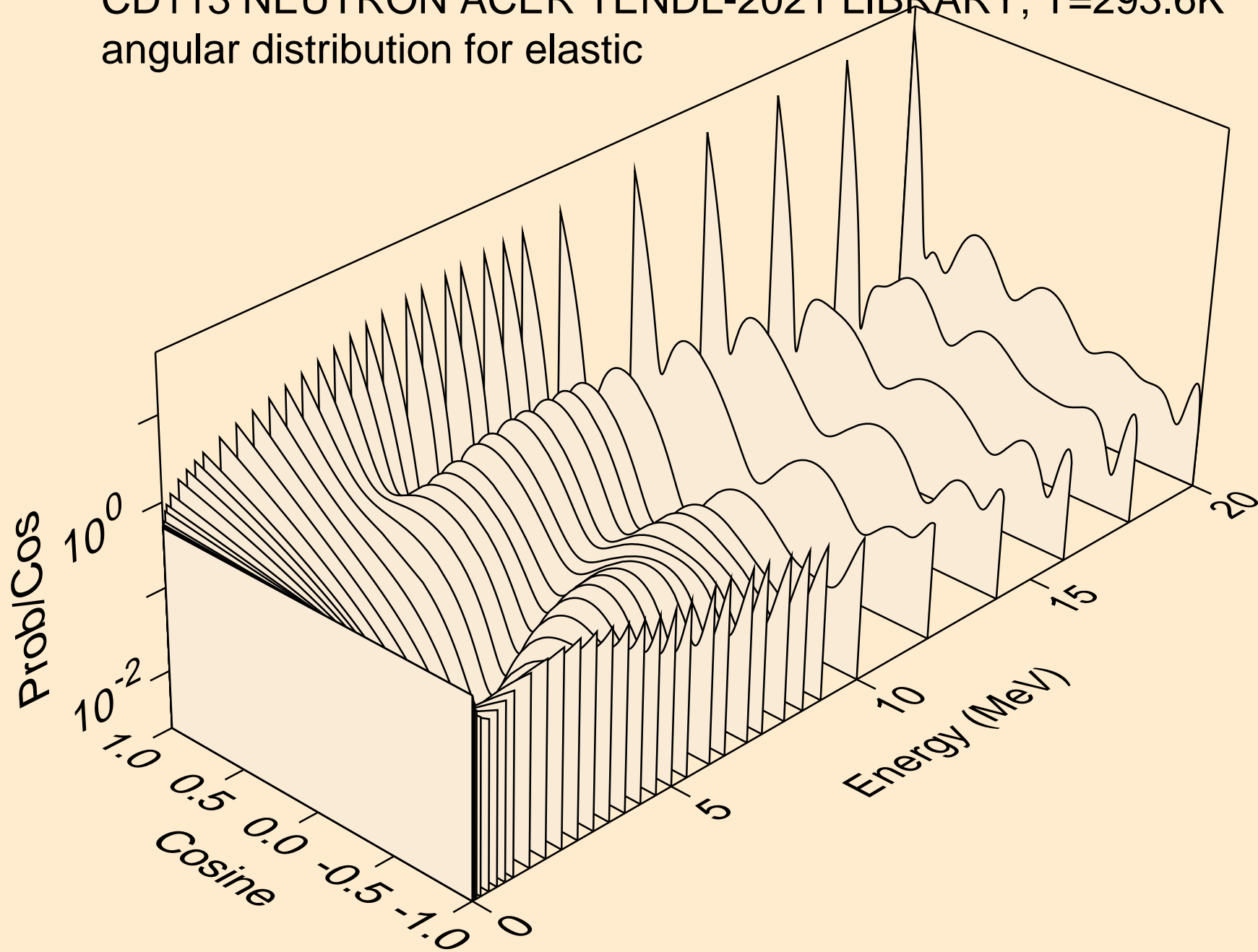
## Threshold reactions



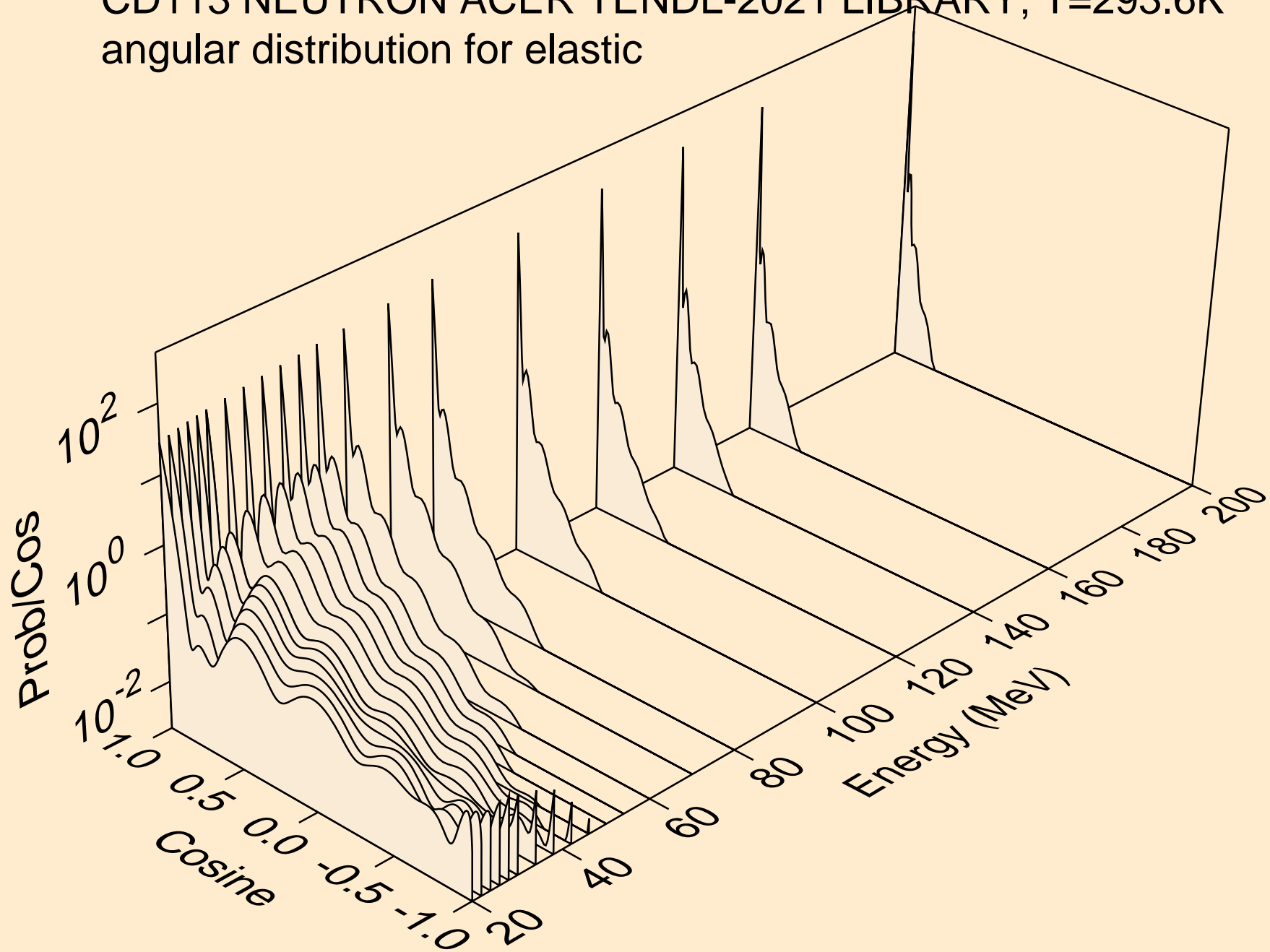
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



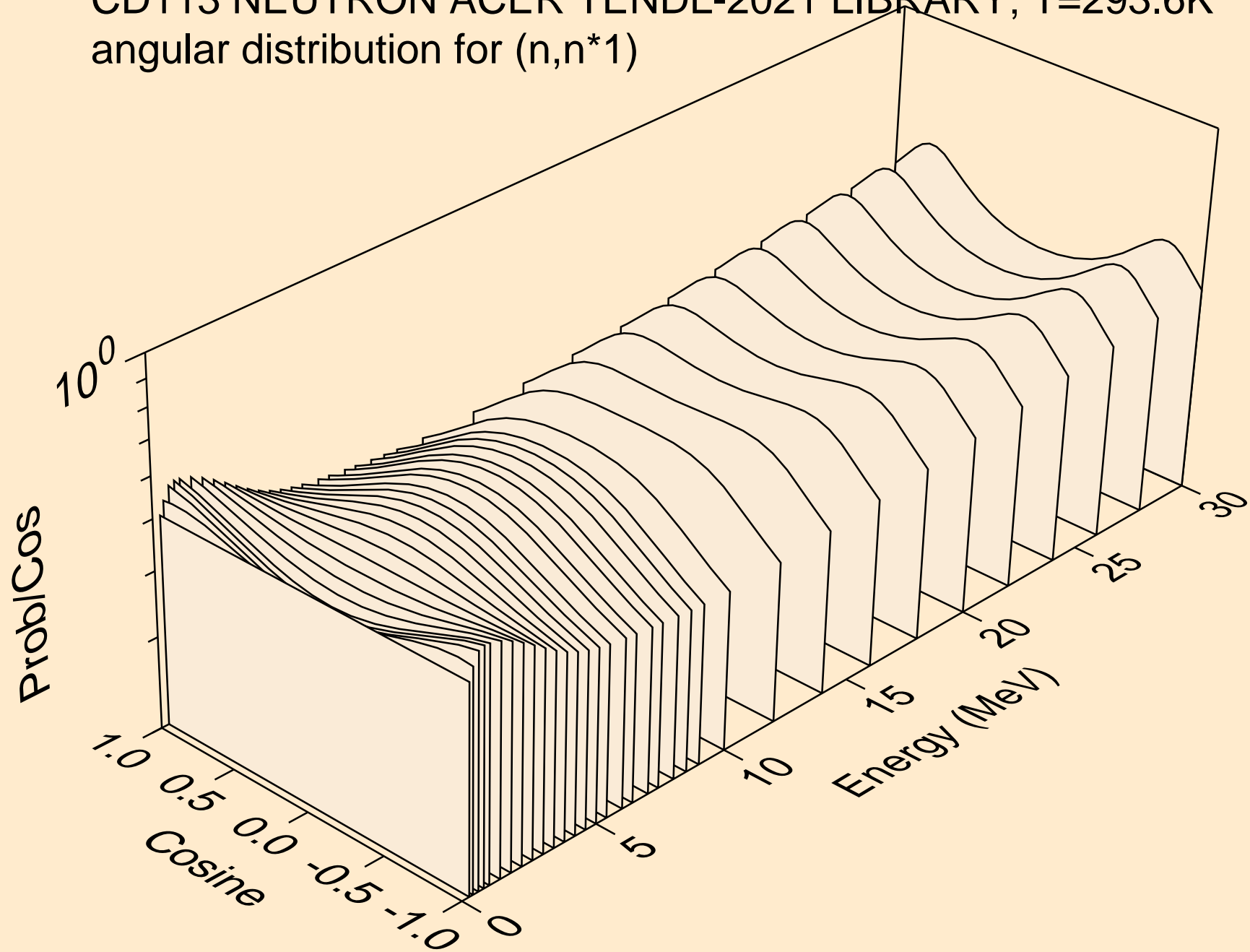
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



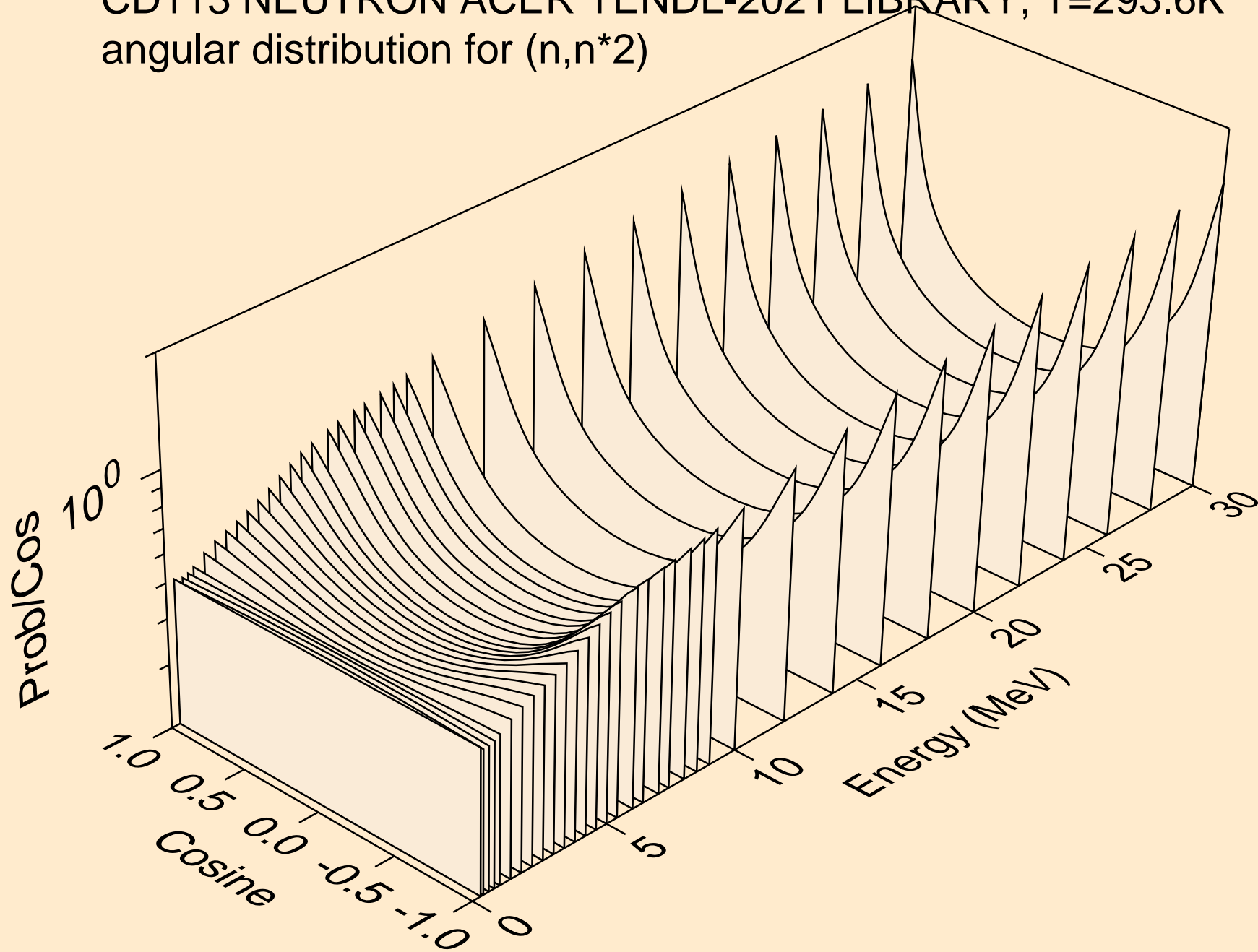
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



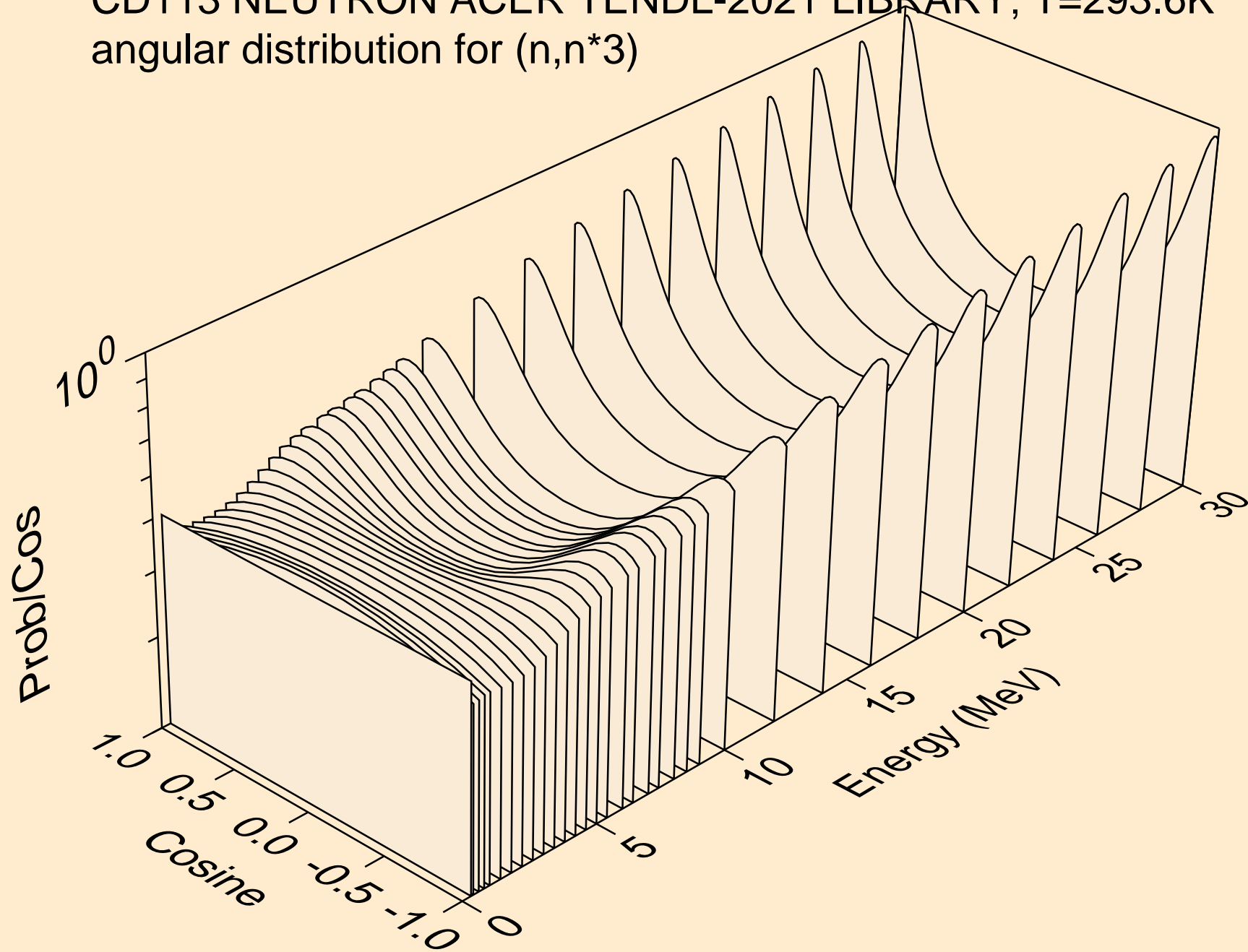
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)

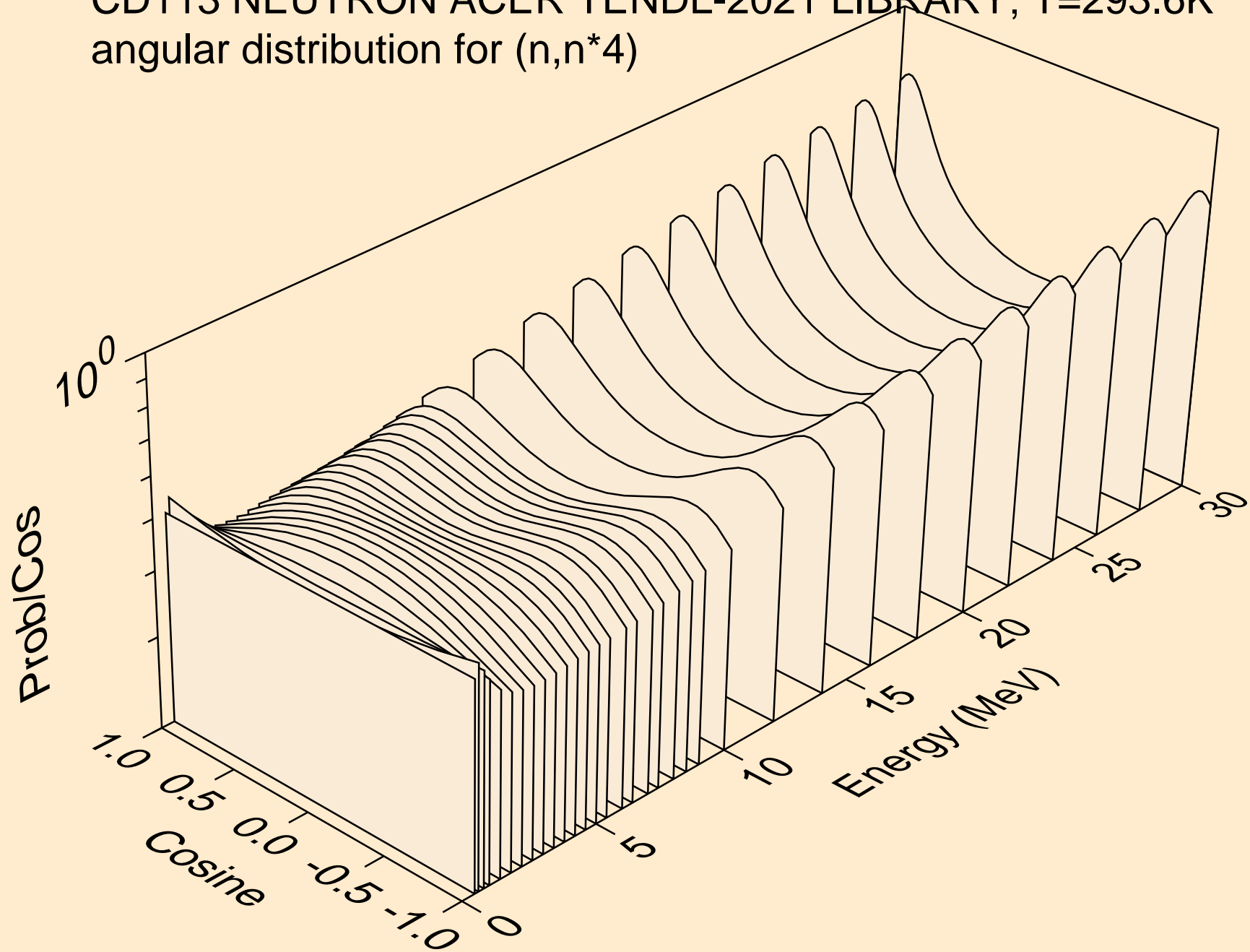


CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)

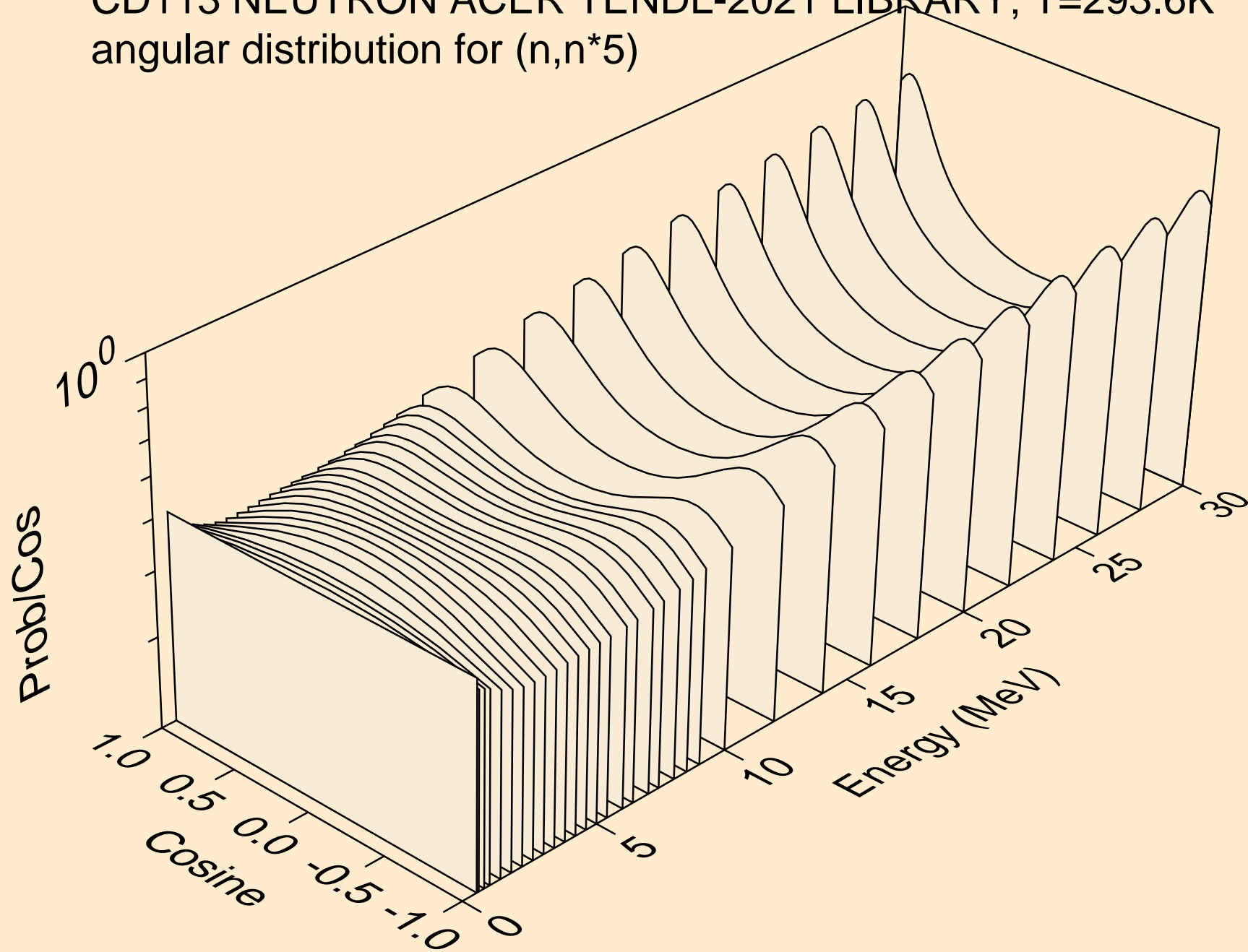




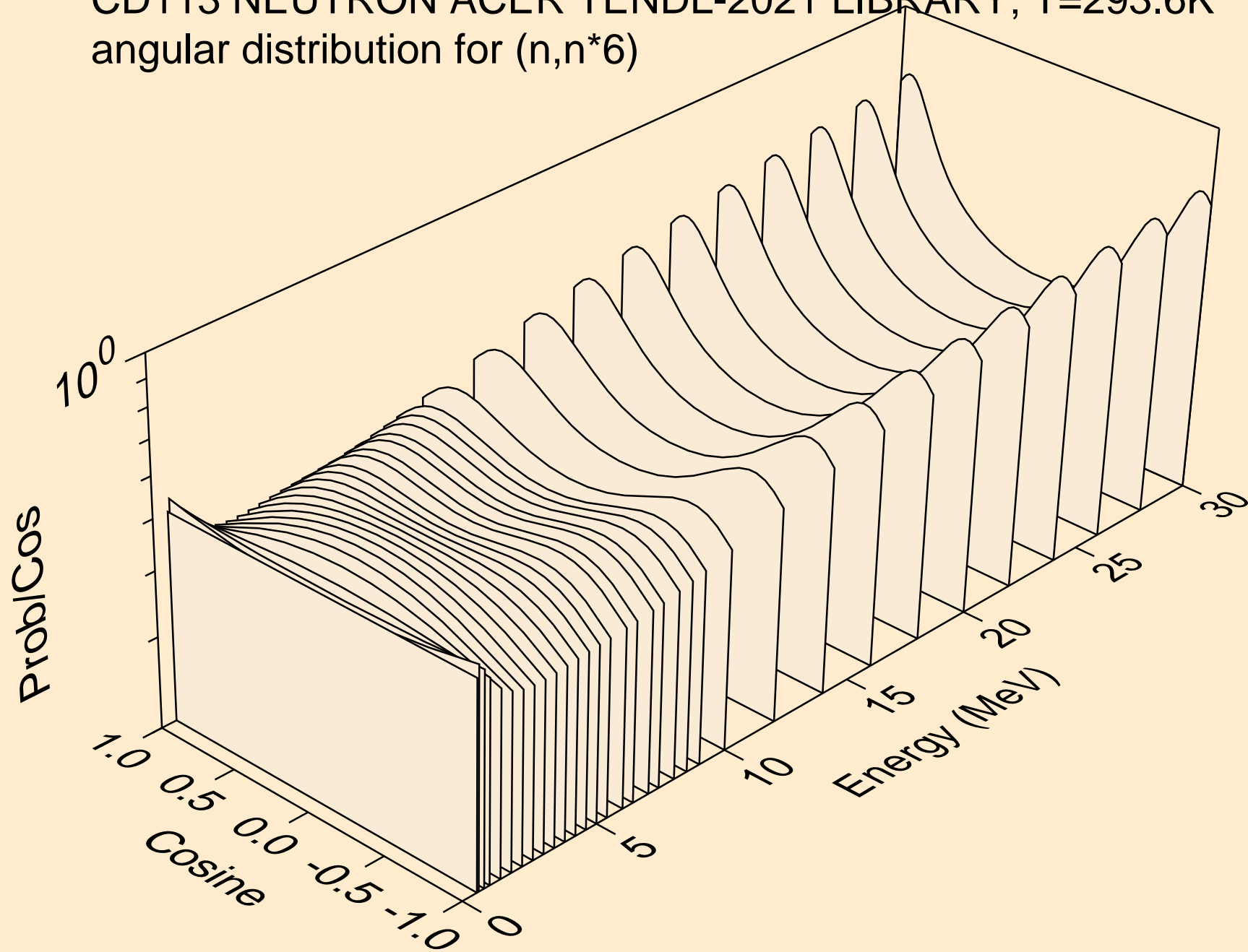
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angular distribution for (n,n\*4)



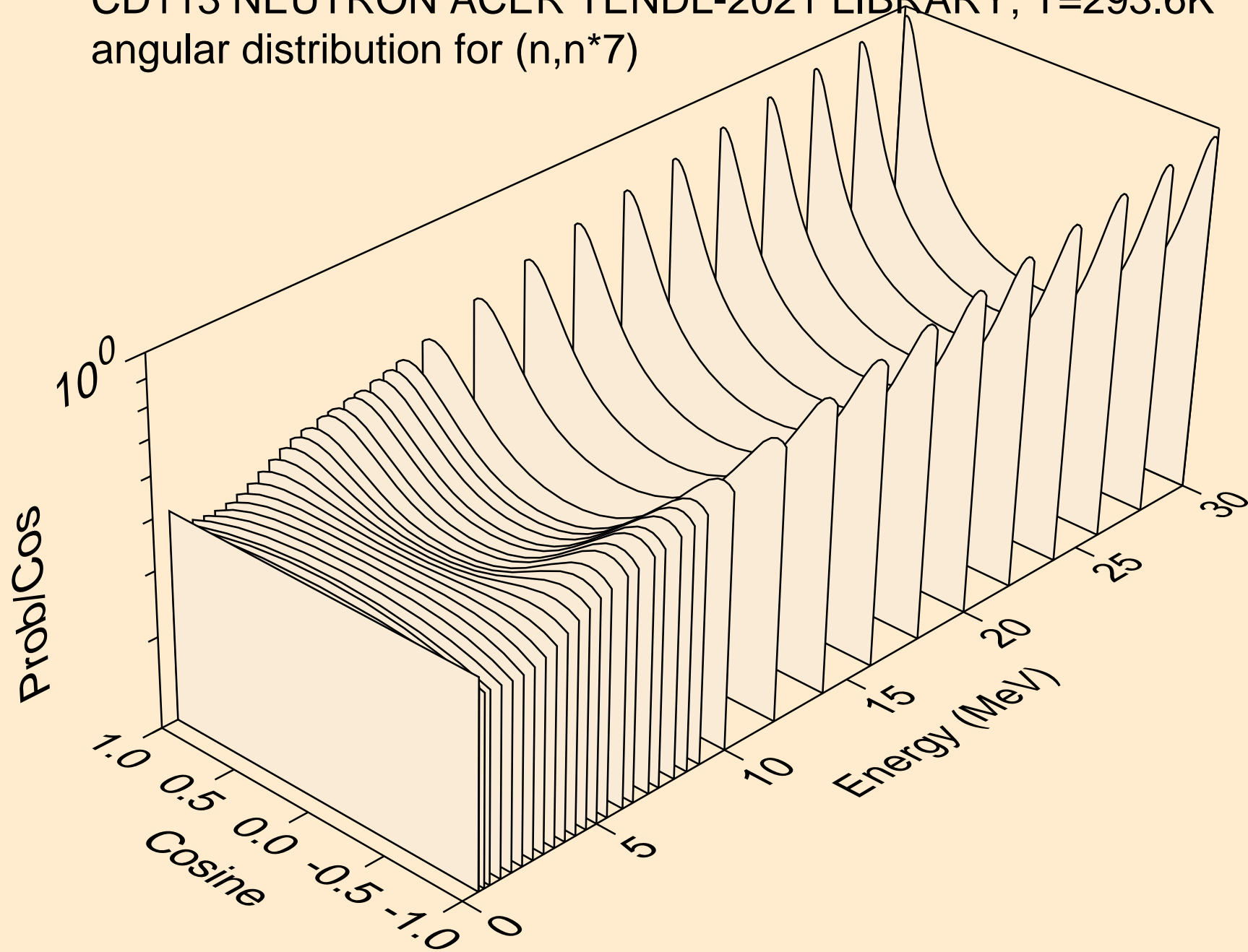
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*5)



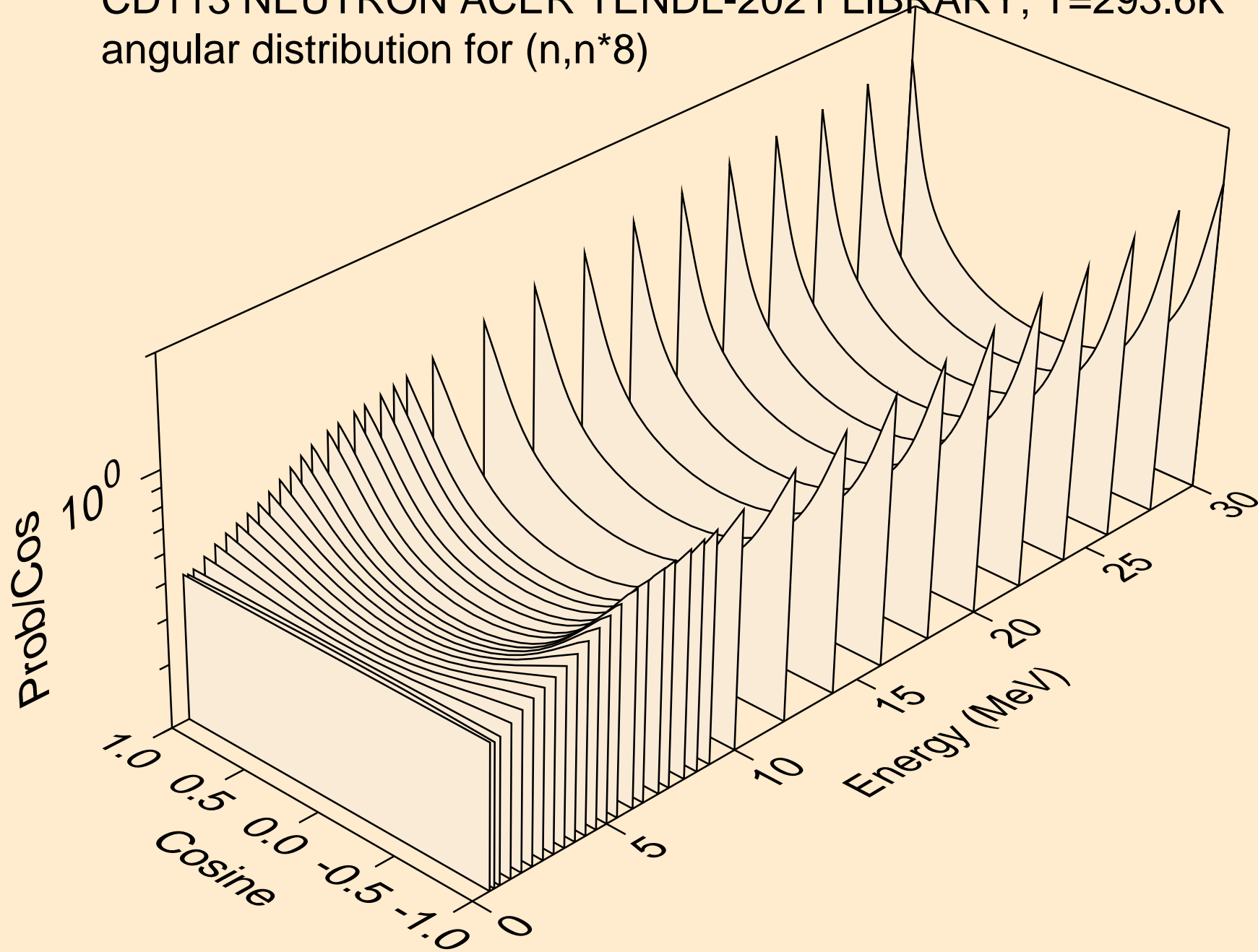
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)



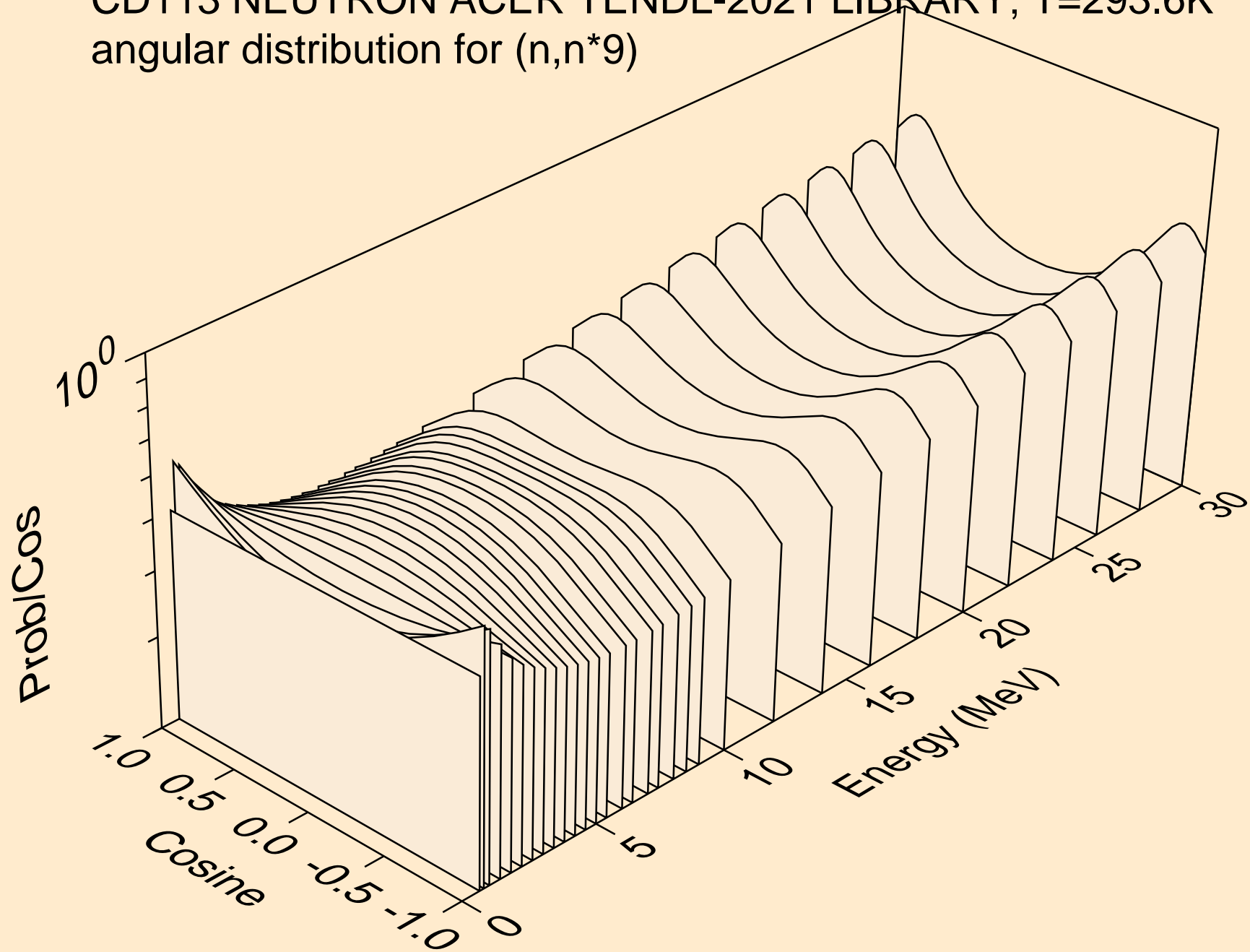
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angular distribution for (n,n\*7)



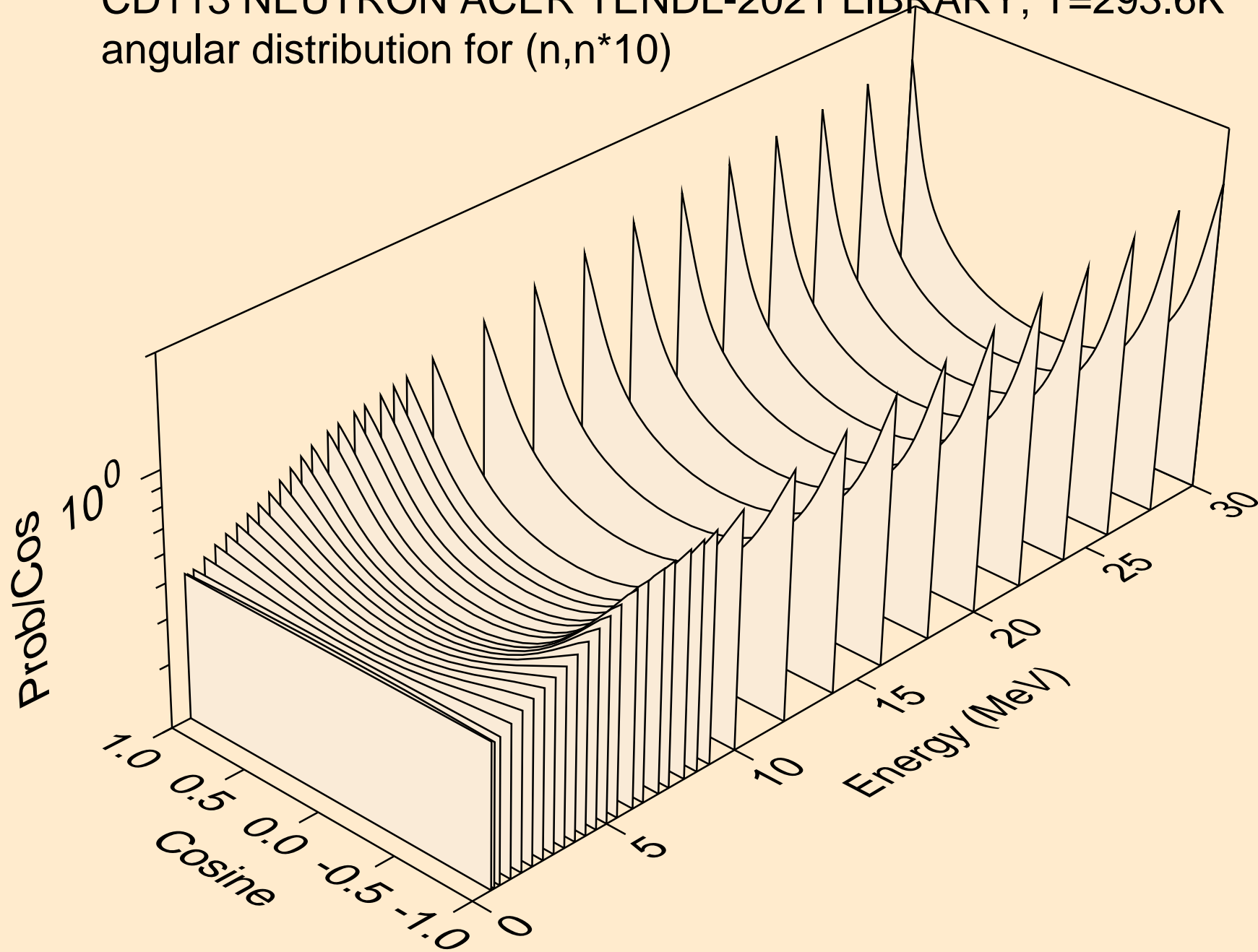
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angular distribution for (n,n\*8)



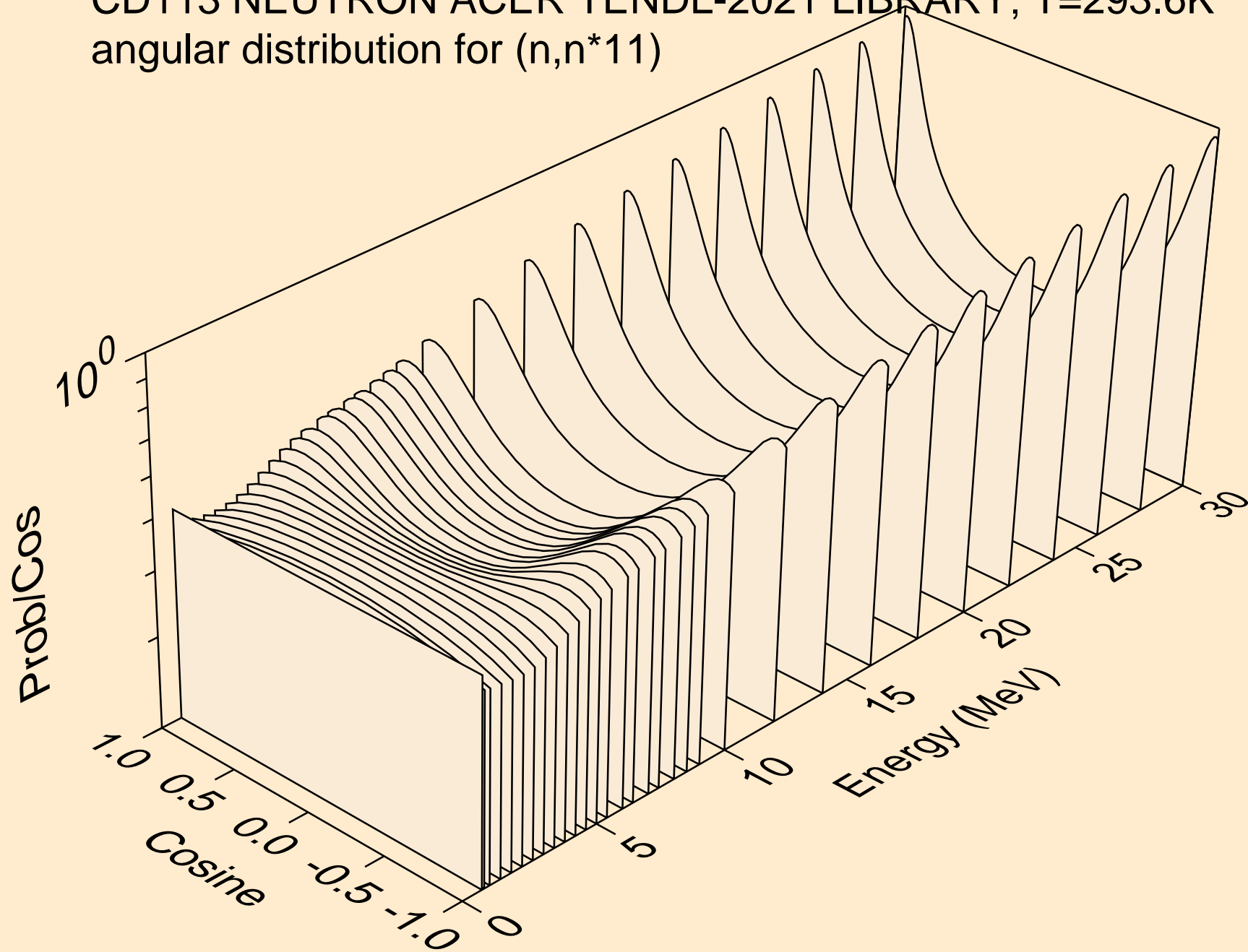
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*9)



CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*10)

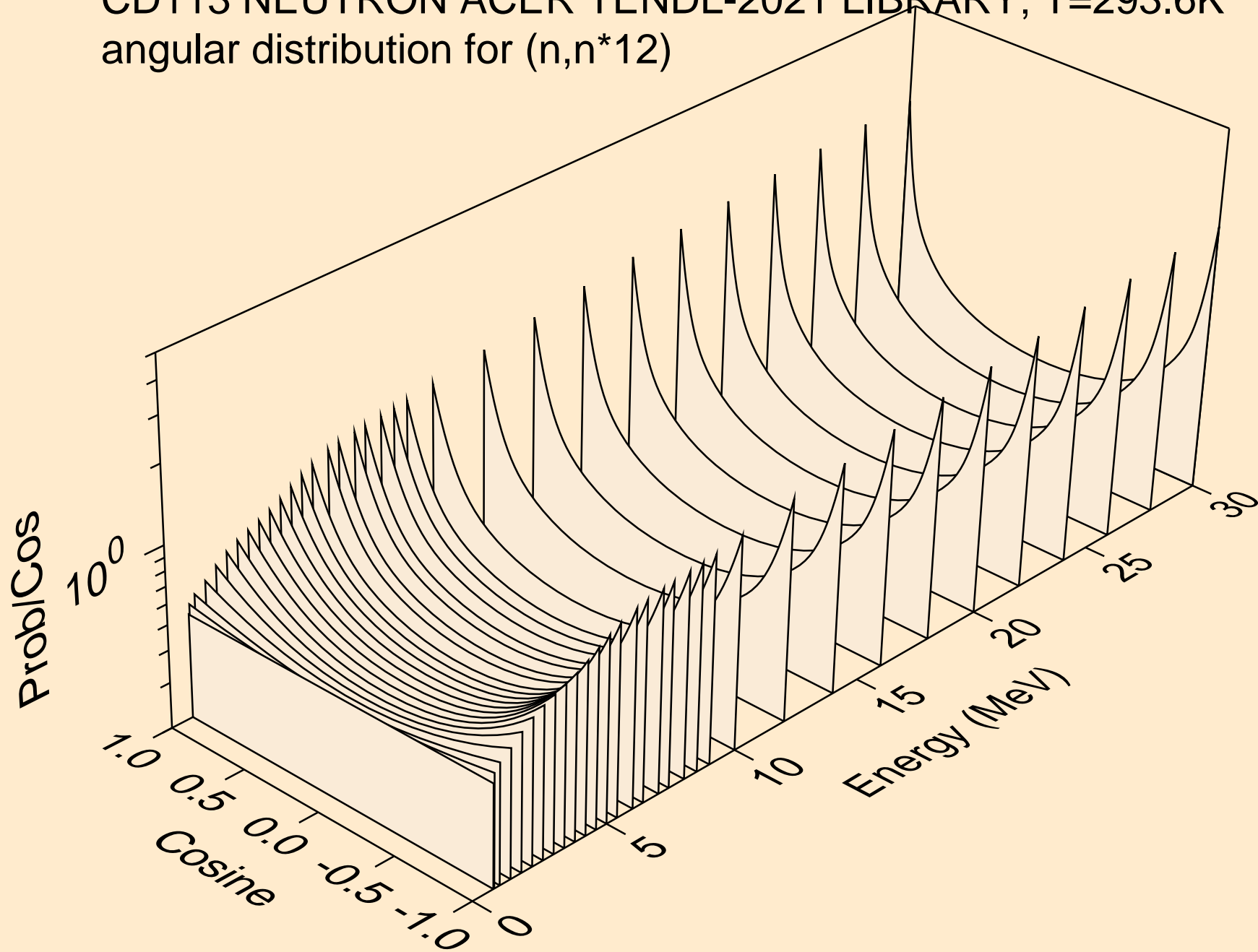


CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*11)

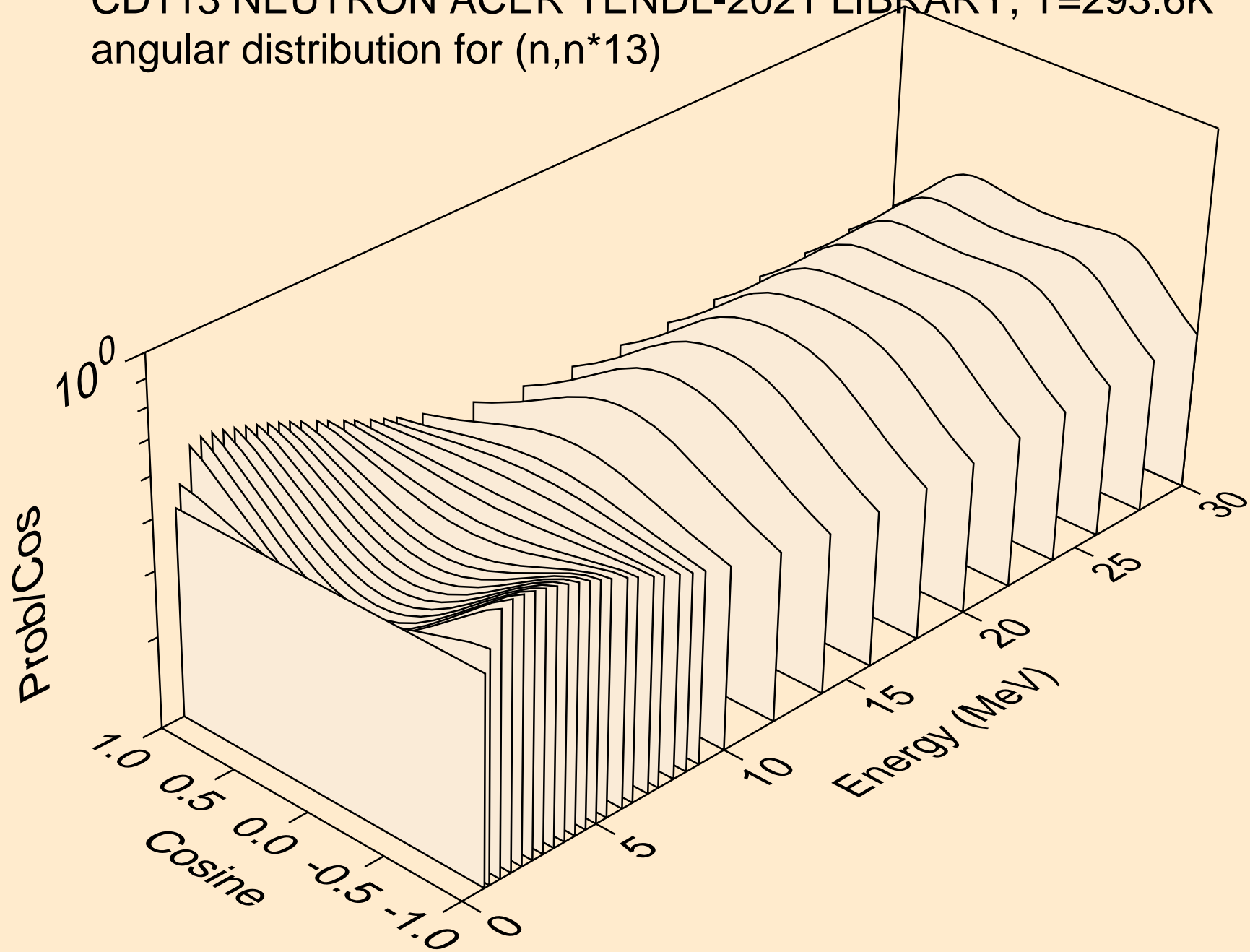




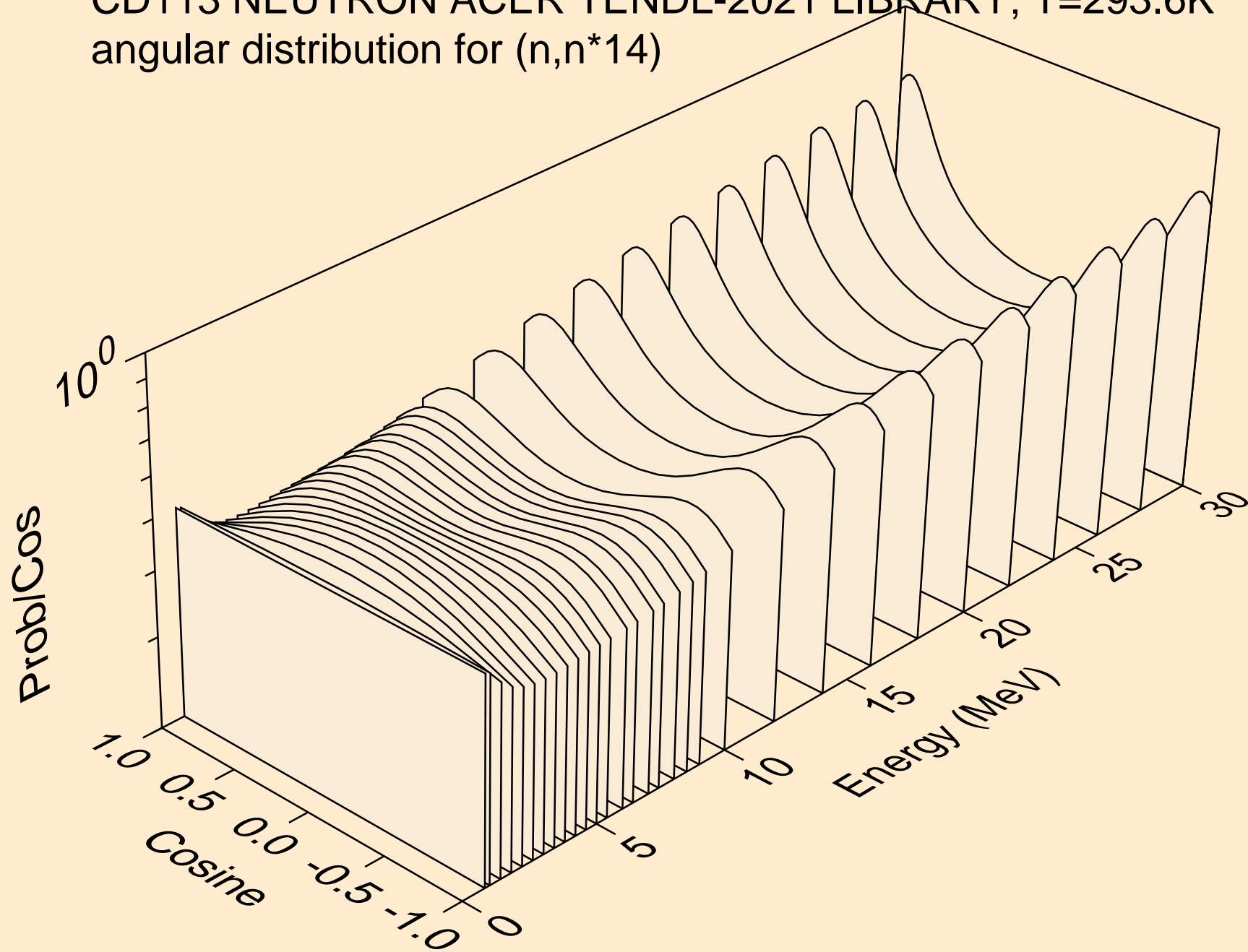
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angular distribution for (n,n\*12)



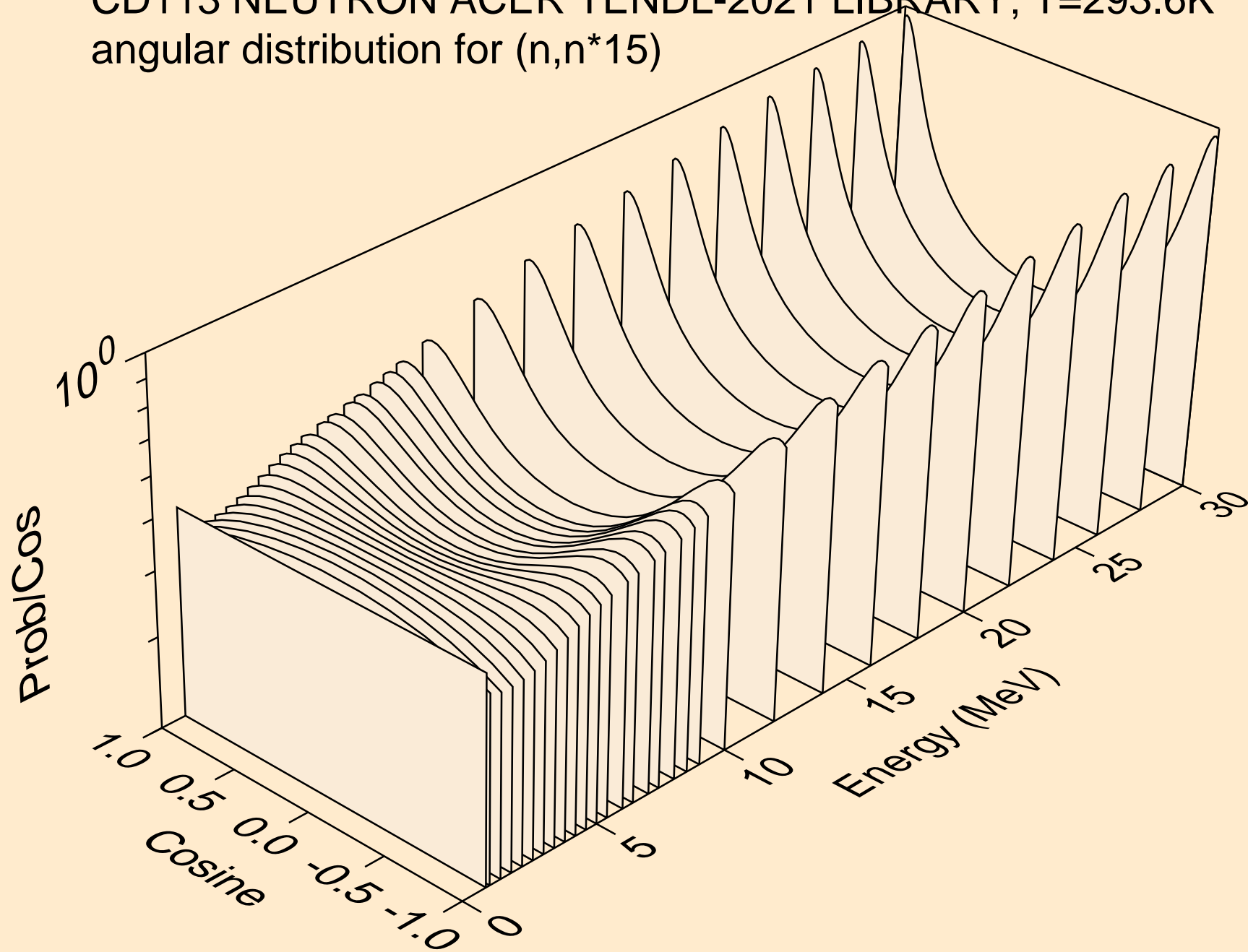
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*13)



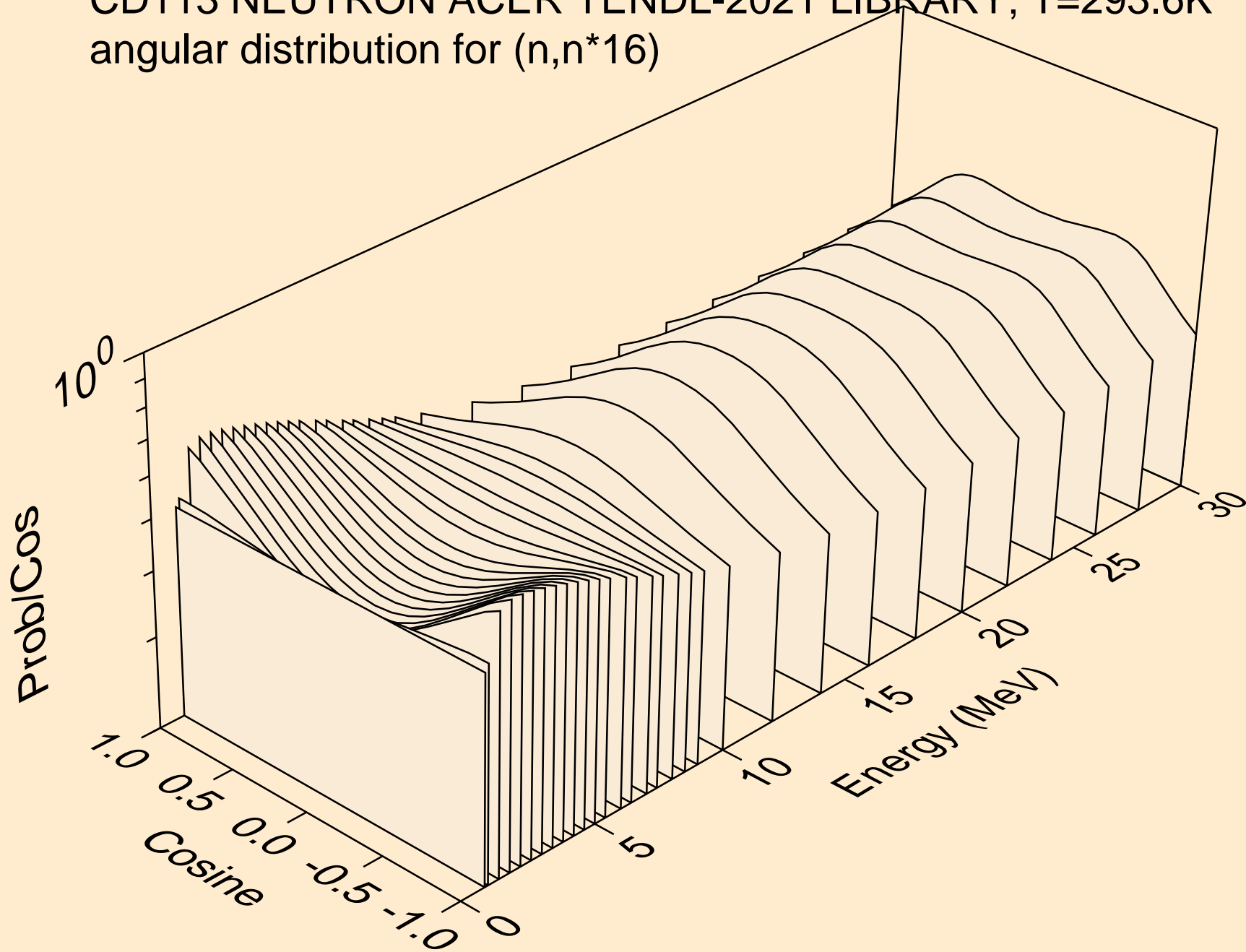
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angular distribution for (n,n\*14)



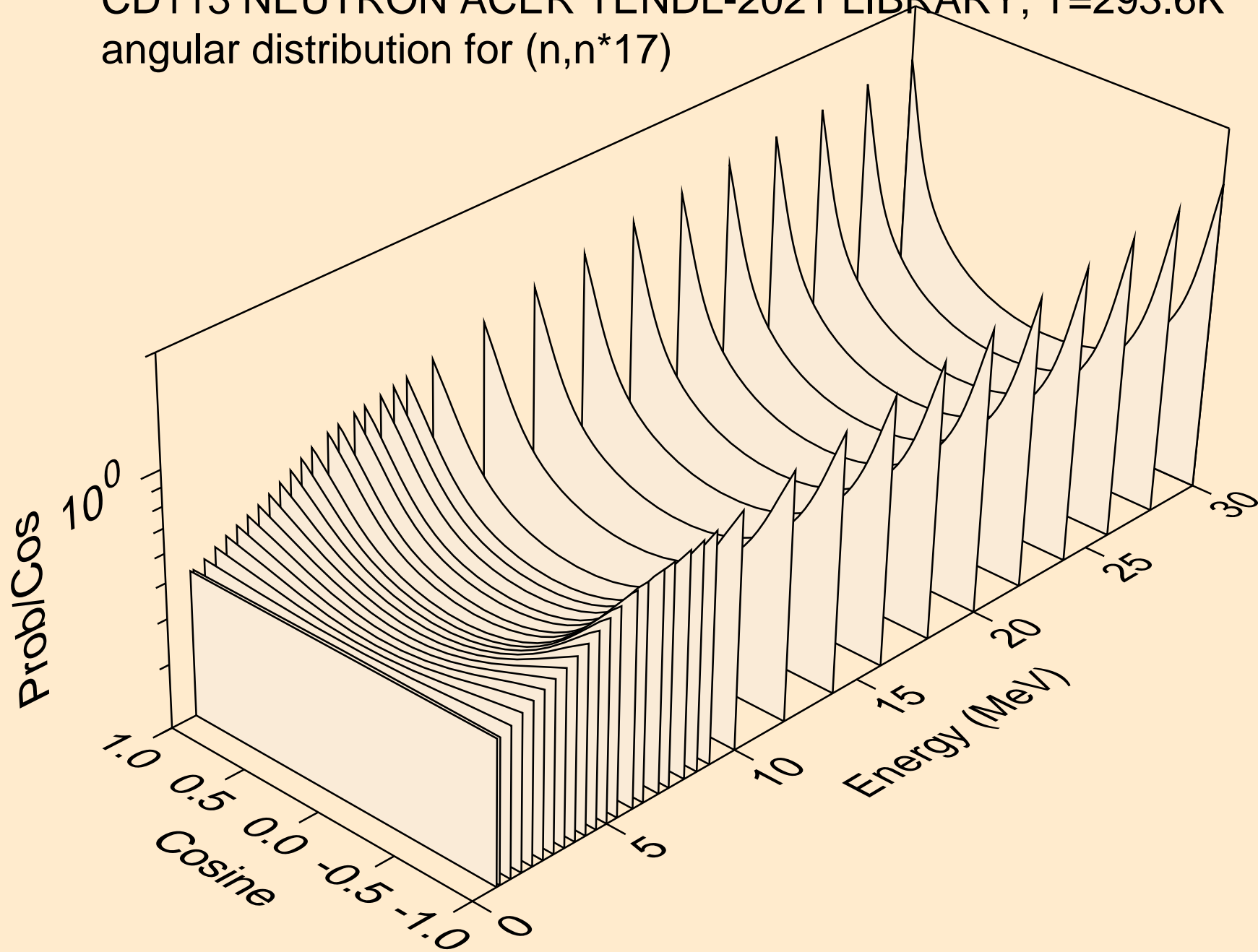
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angular distribution for (n,n\*15)



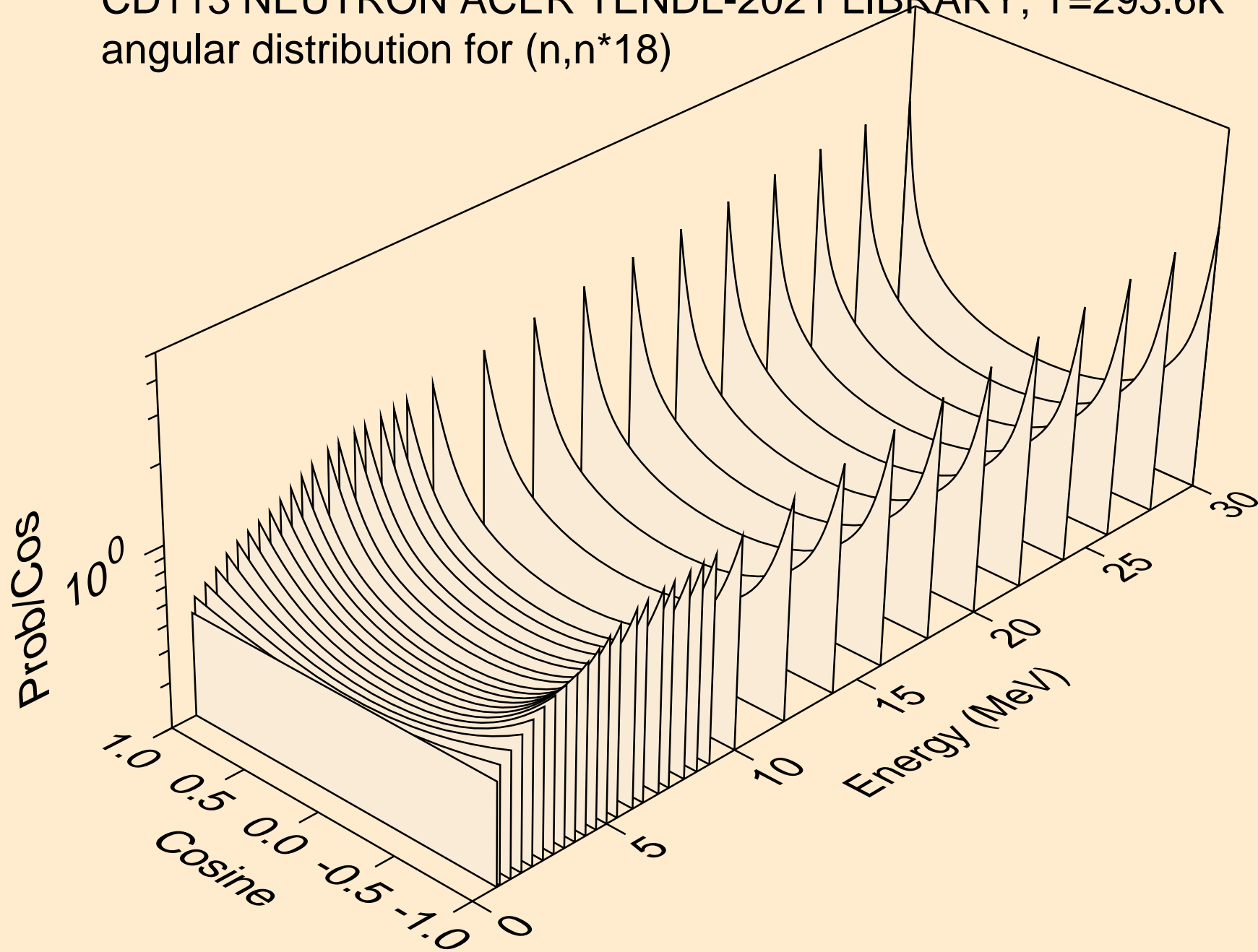
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*16)



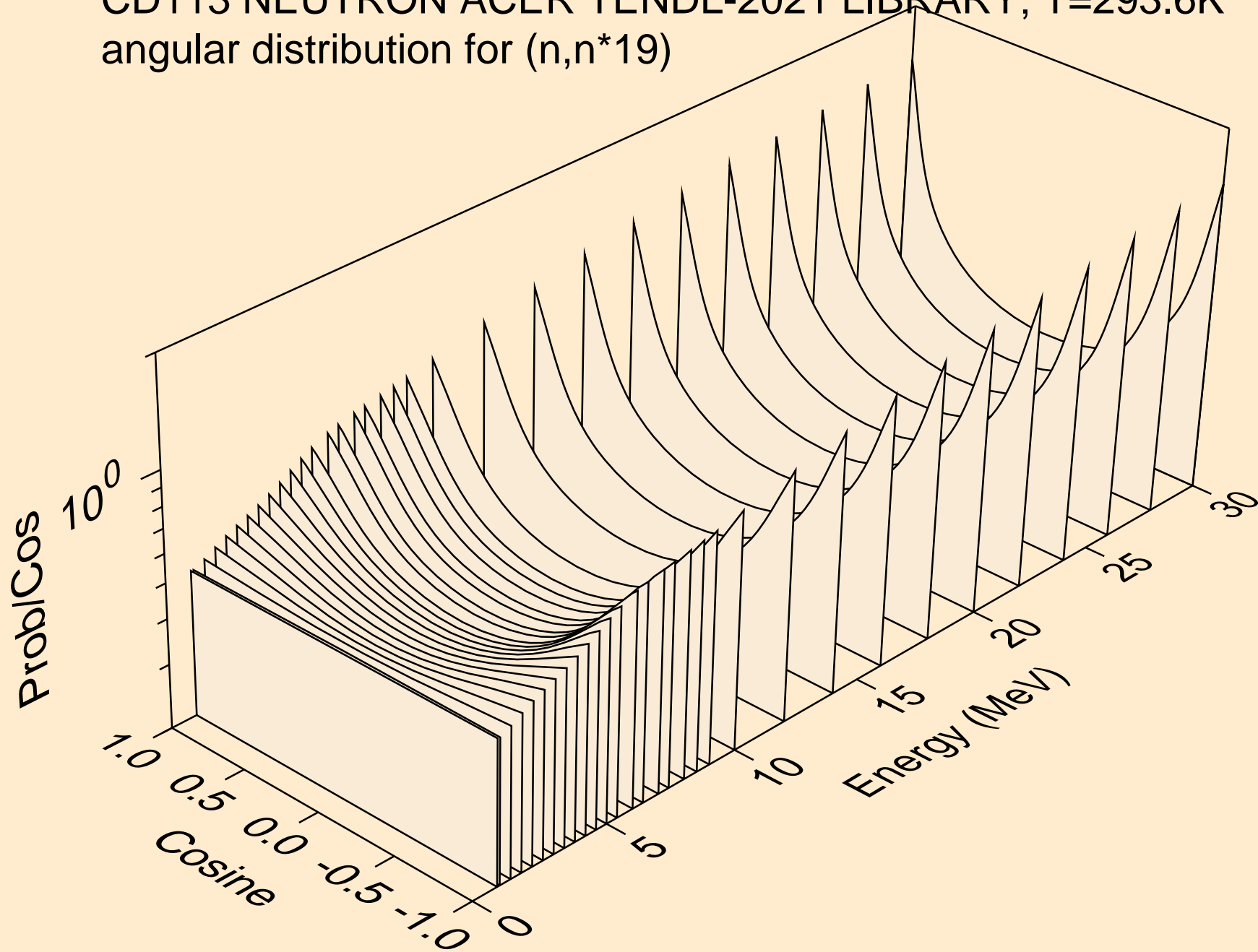
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*17)



CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*18)

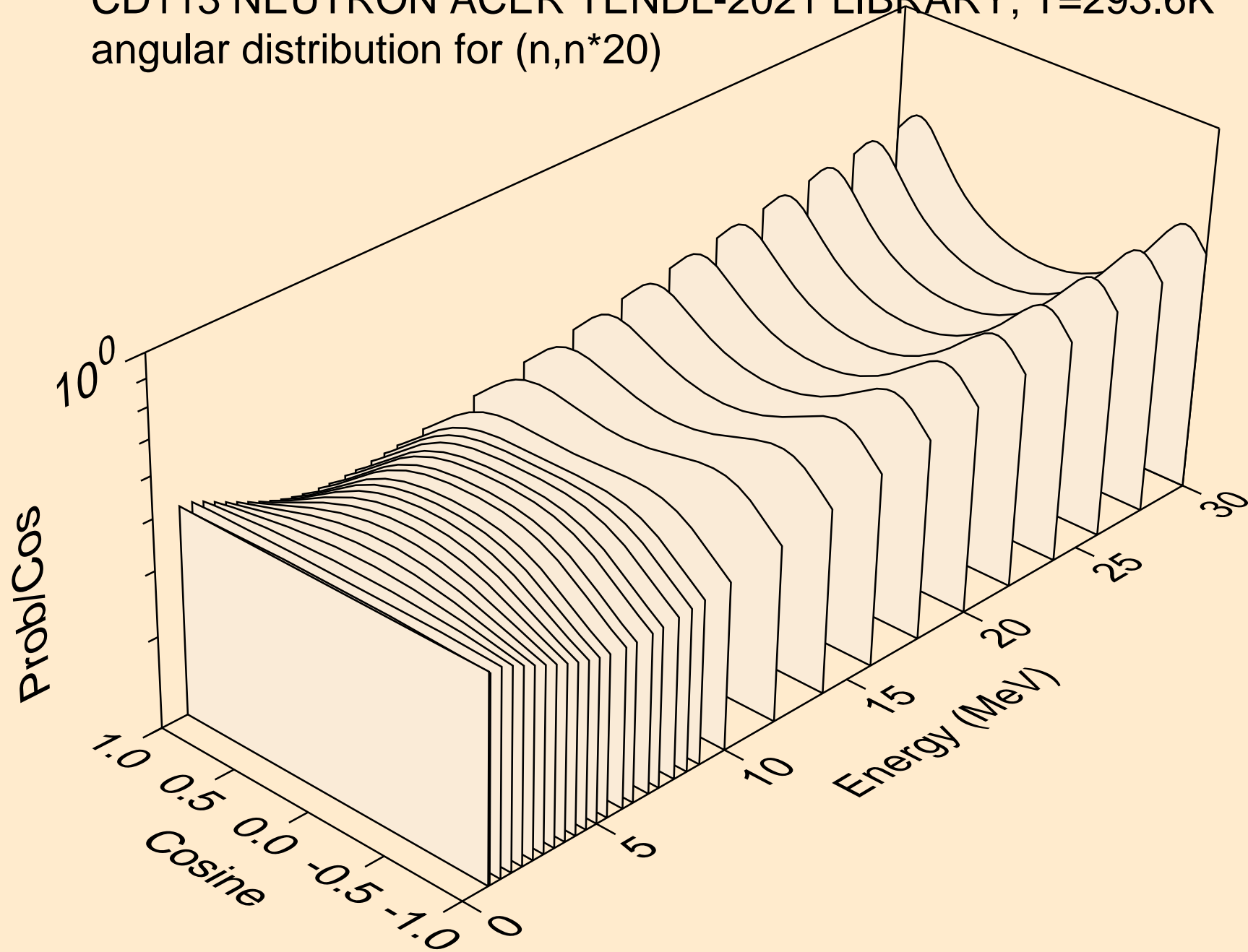


CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*19)

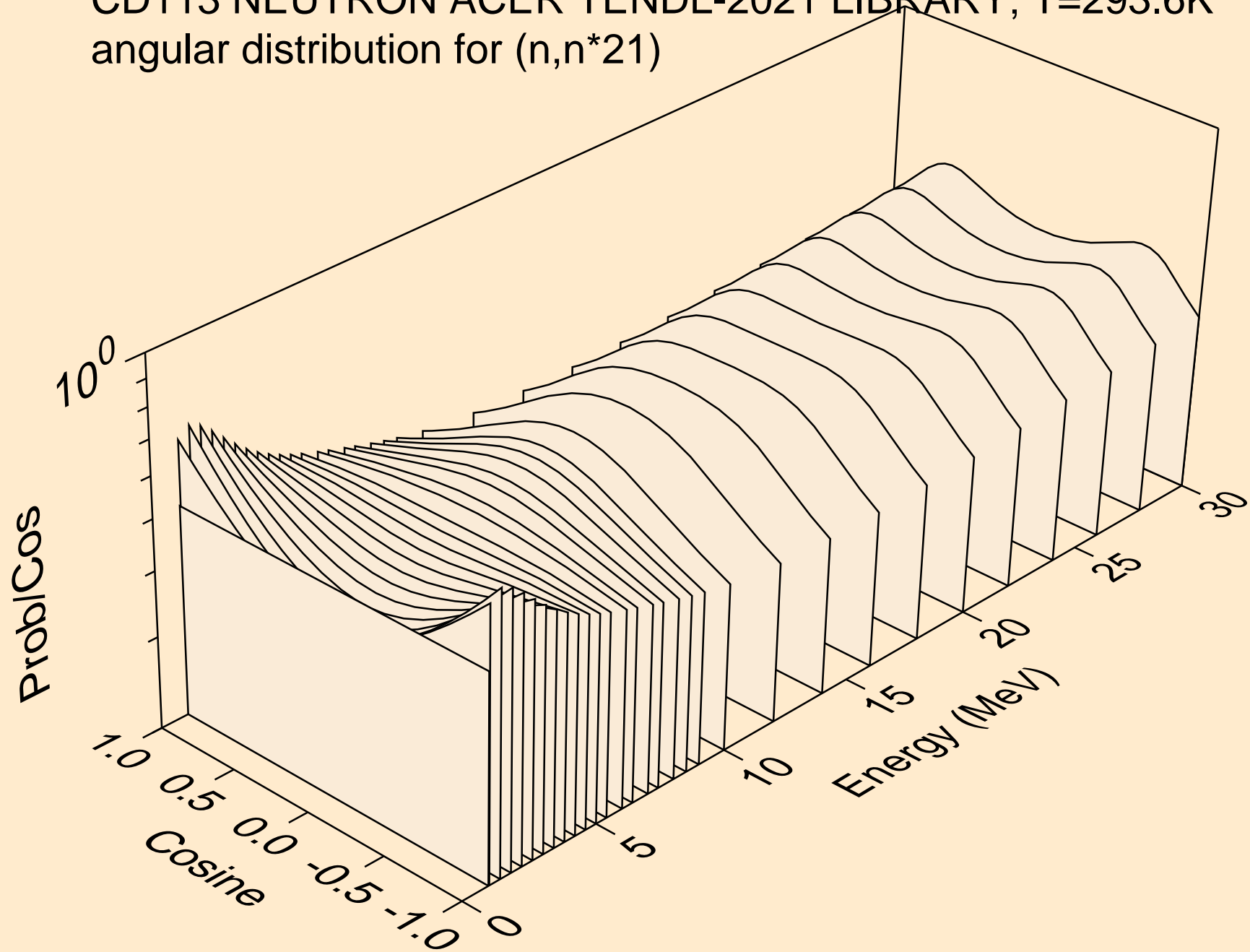




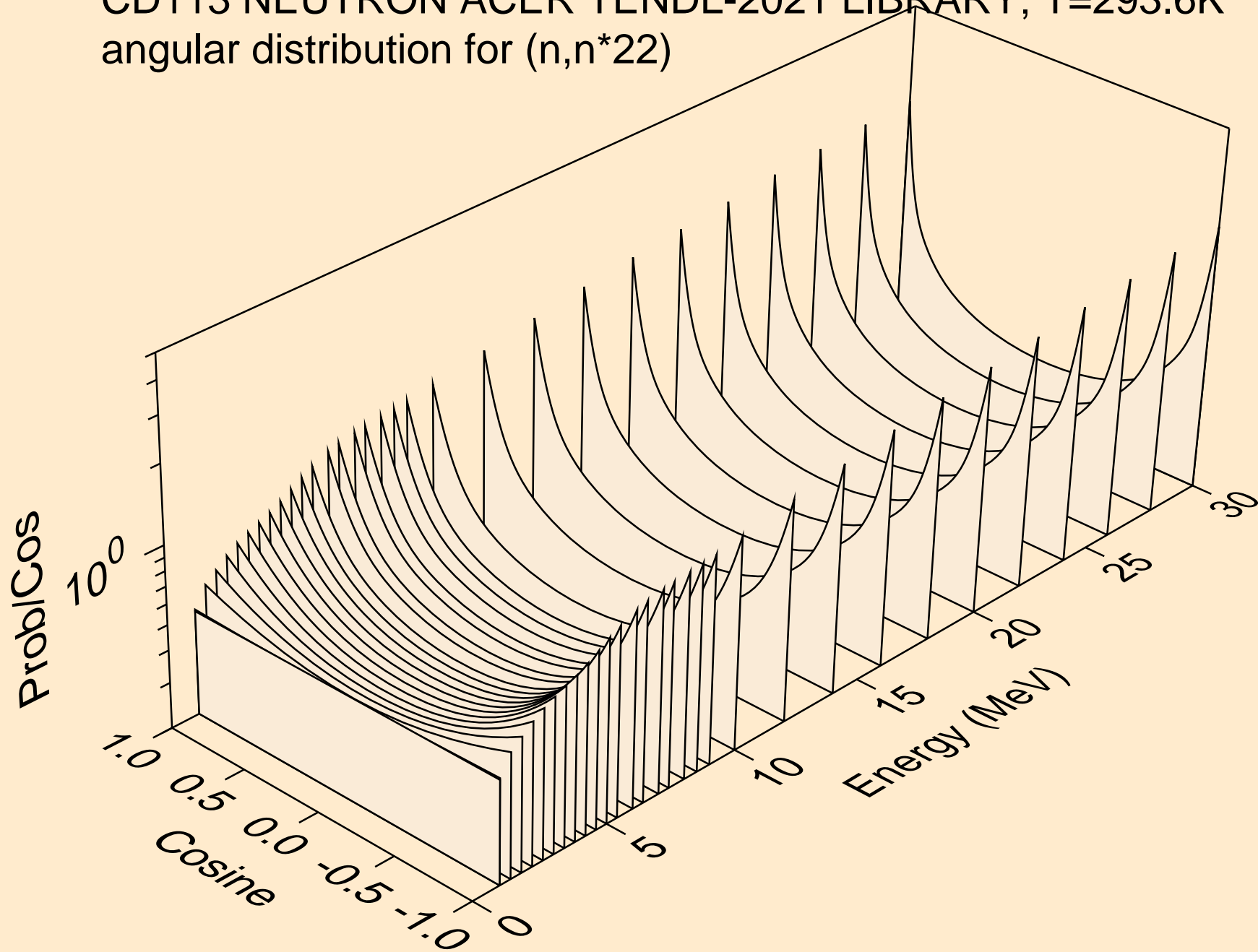
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angular distribution for (n,n\*20)



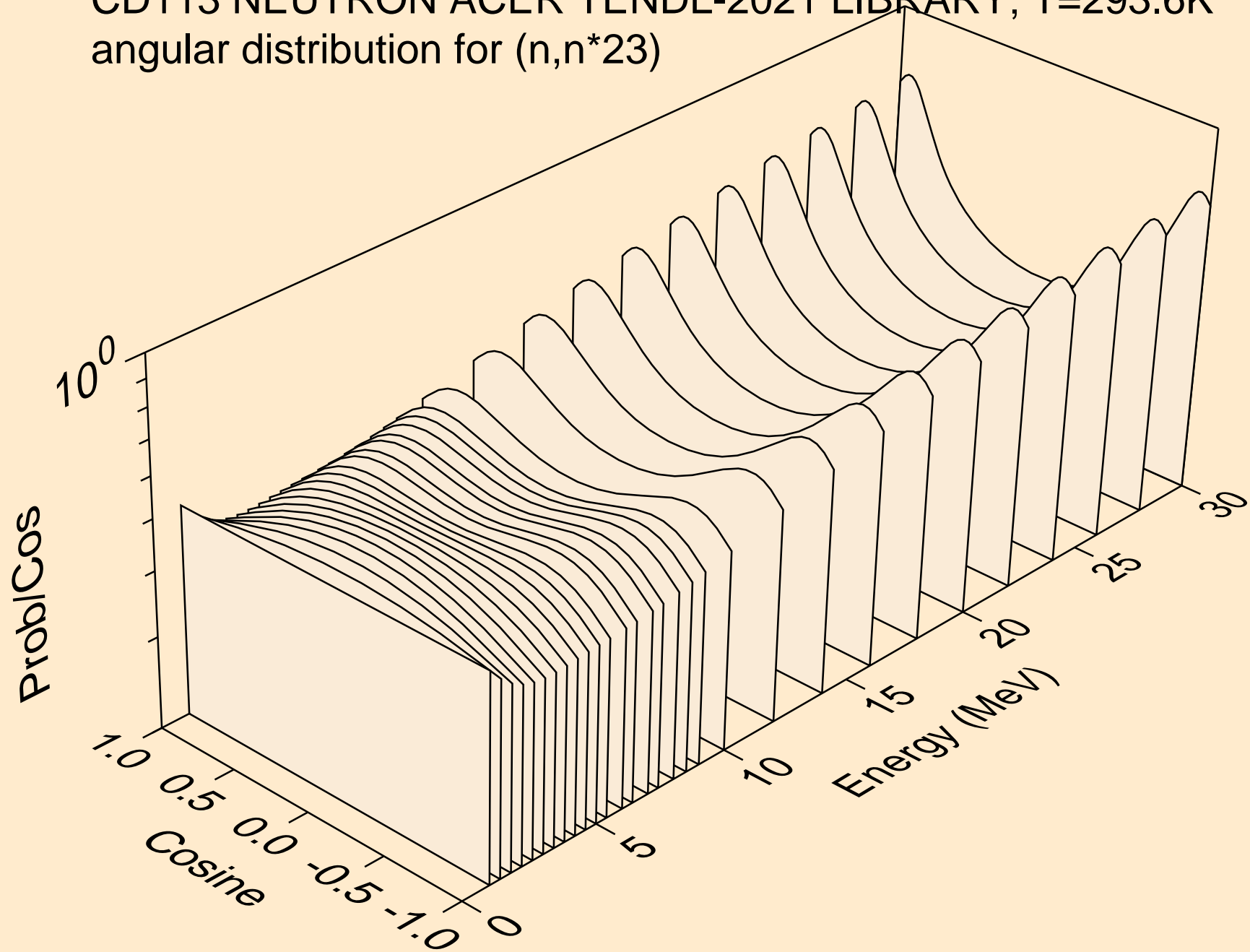
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angular distribution for (n,n\*21)



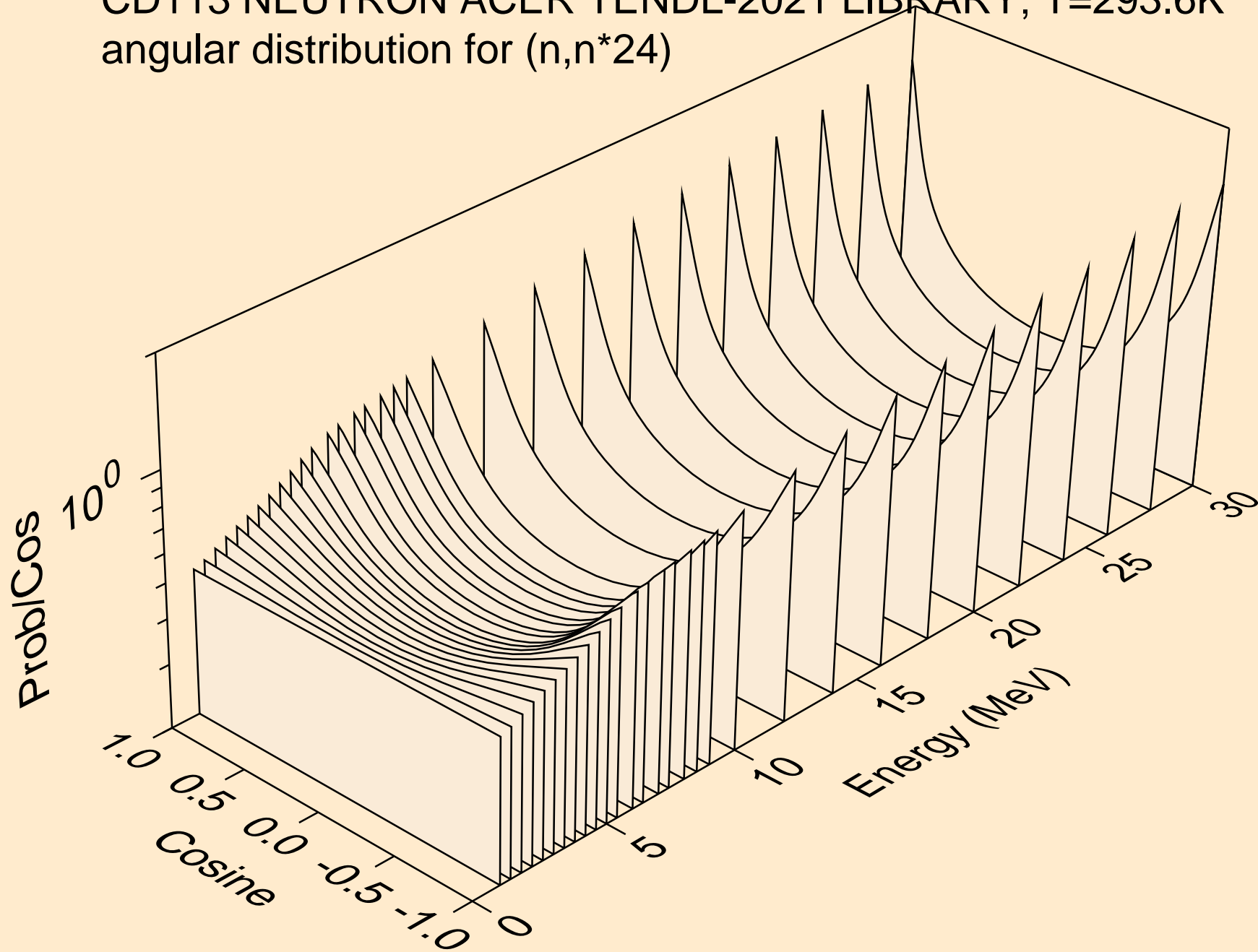
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*22)



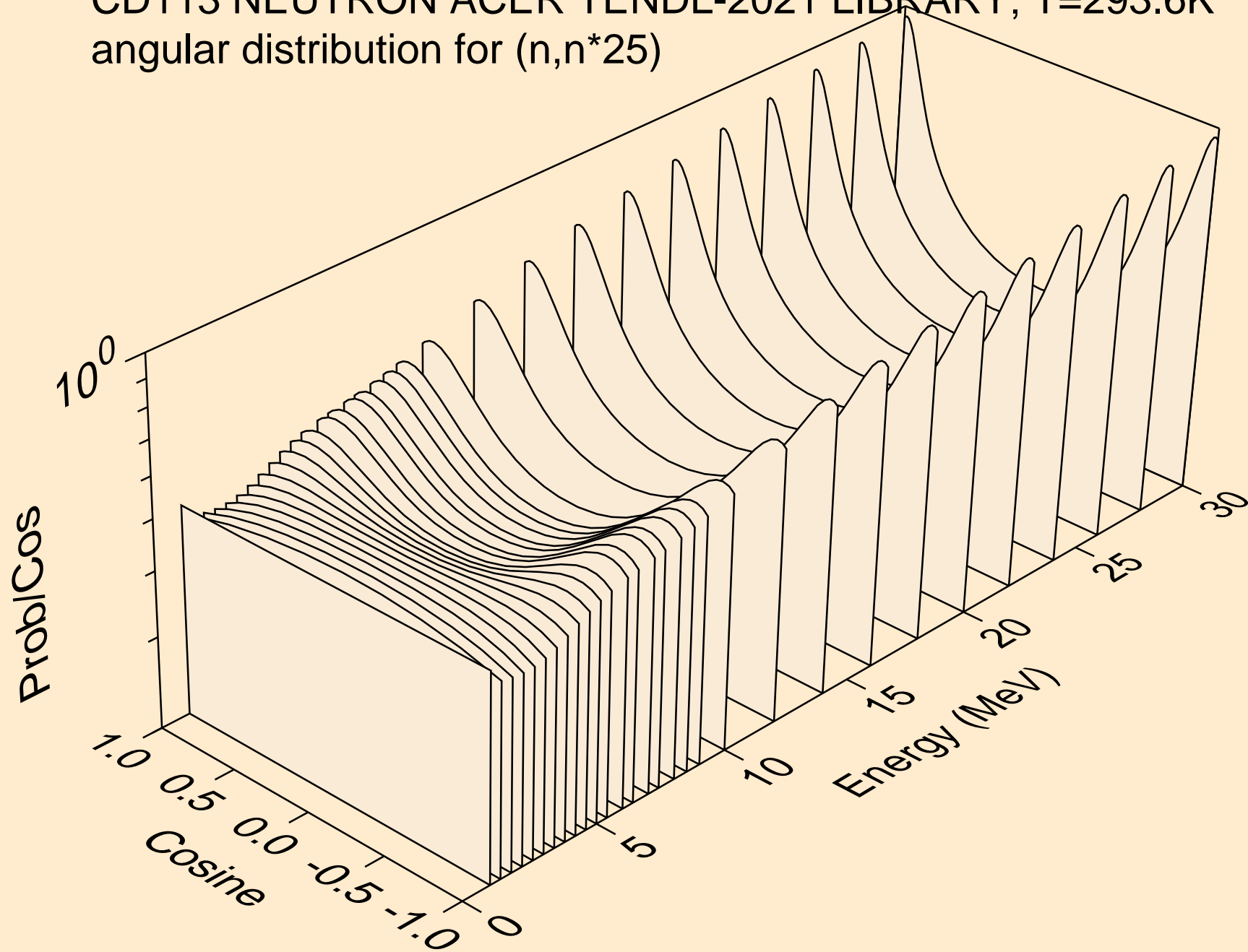
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angular distribution for (n,n\*23)



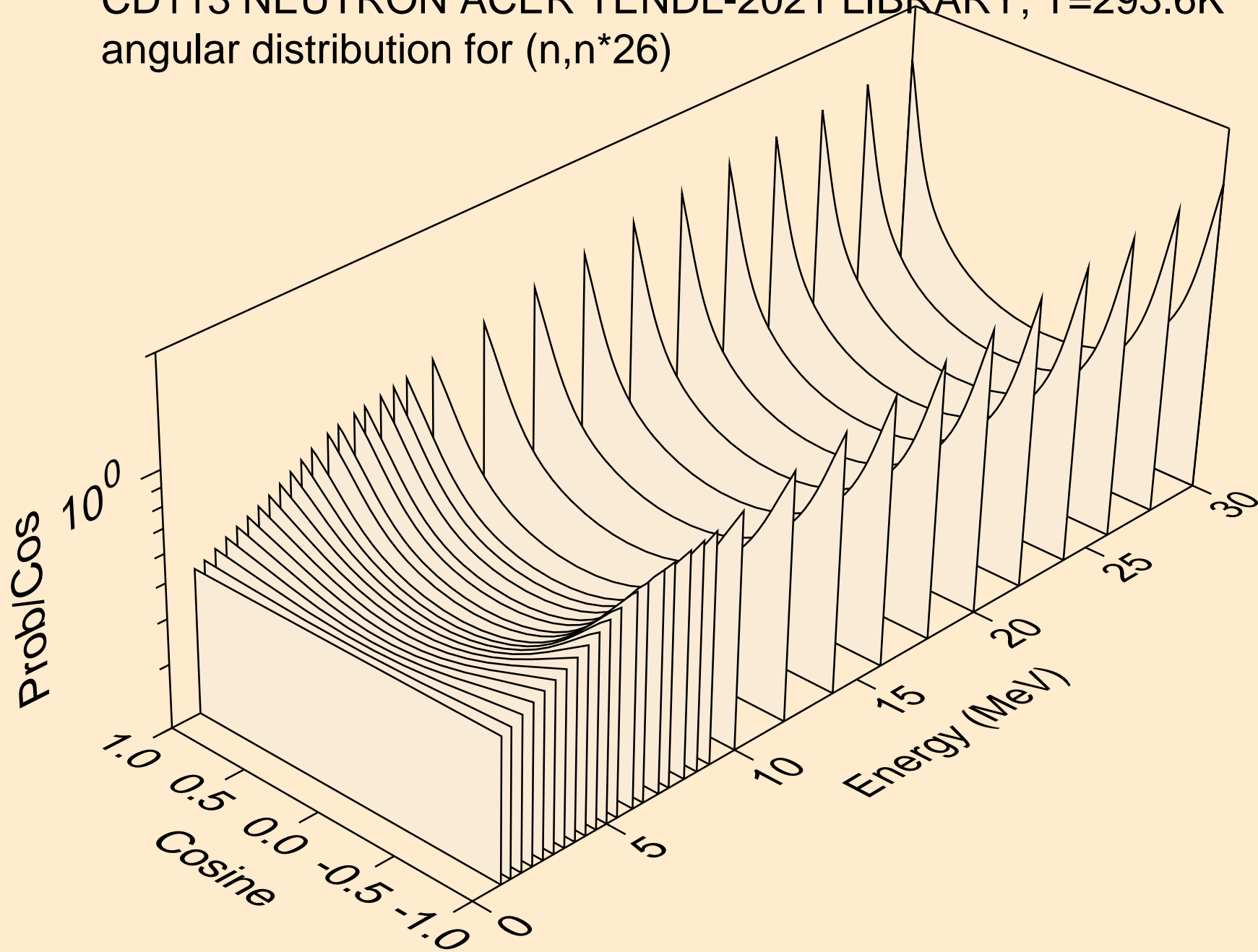
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*24)



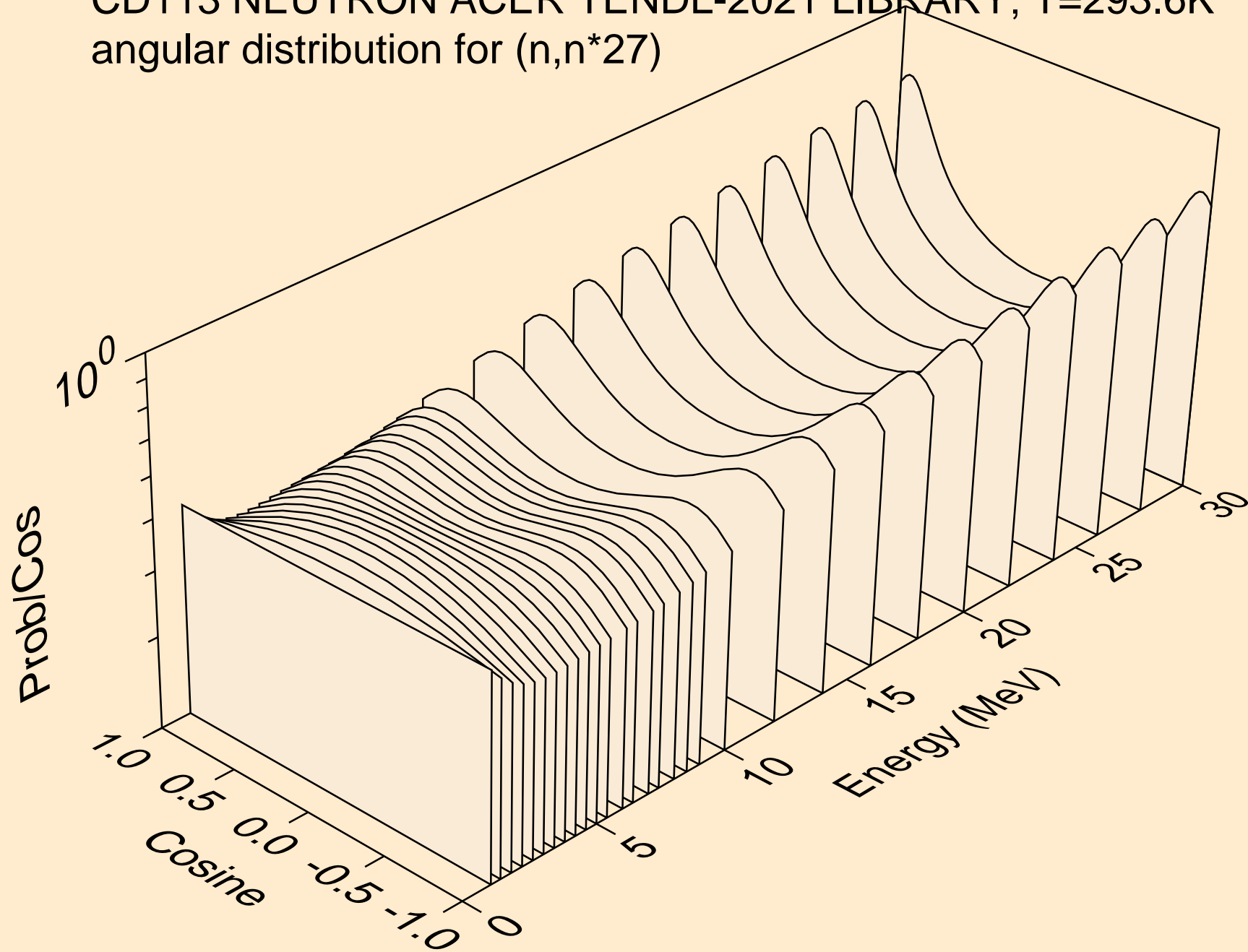
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*25)



CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*26)

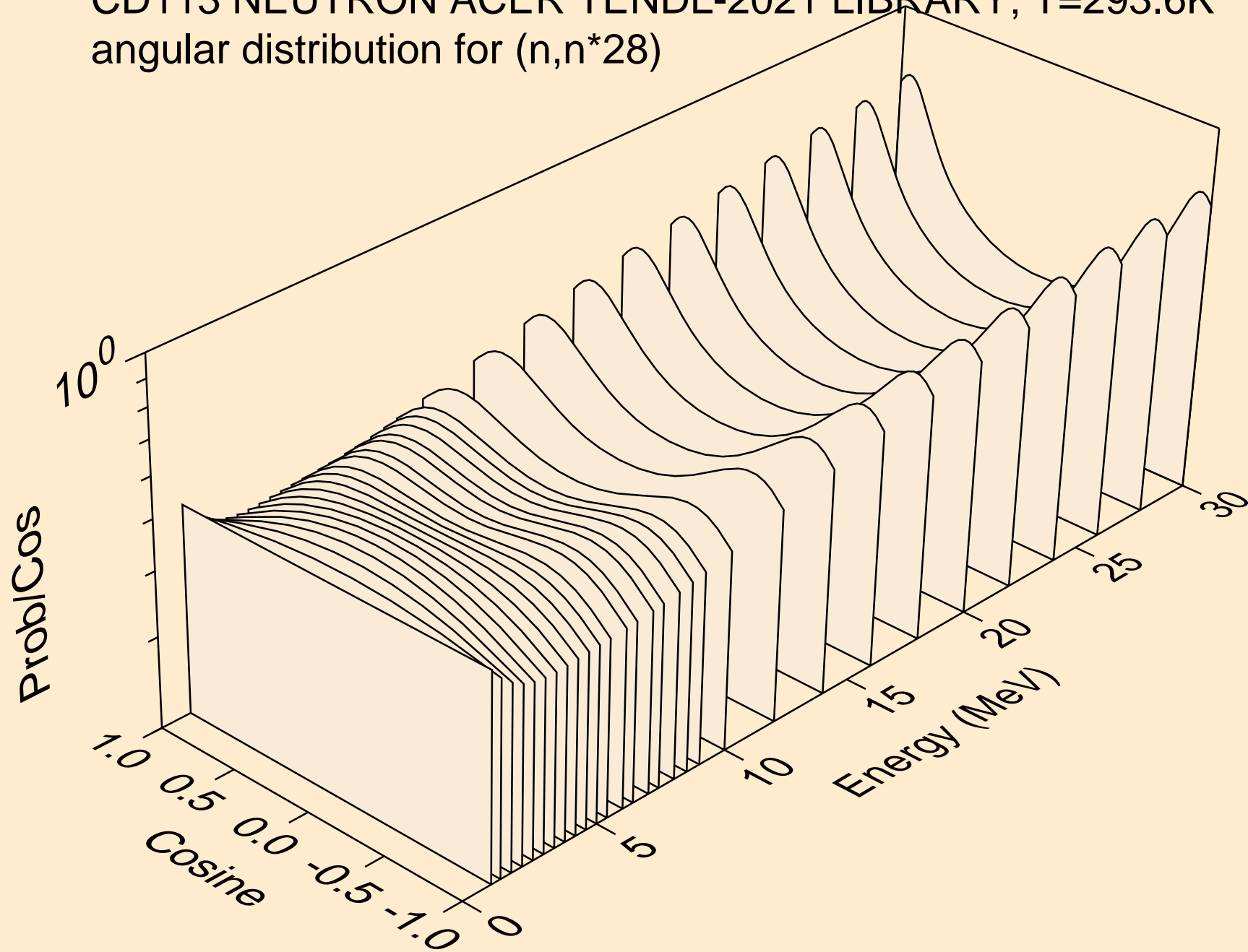


CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*27)

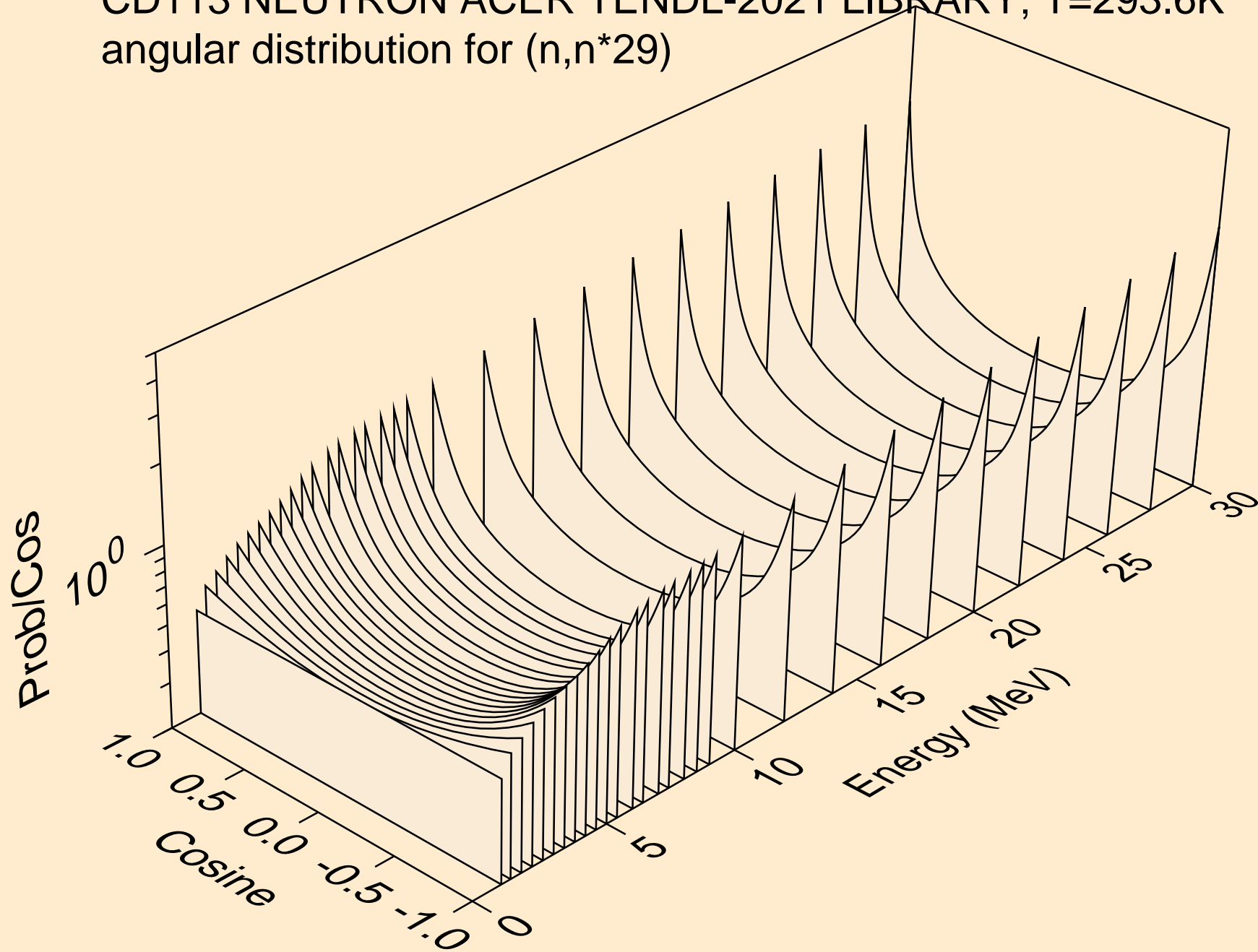




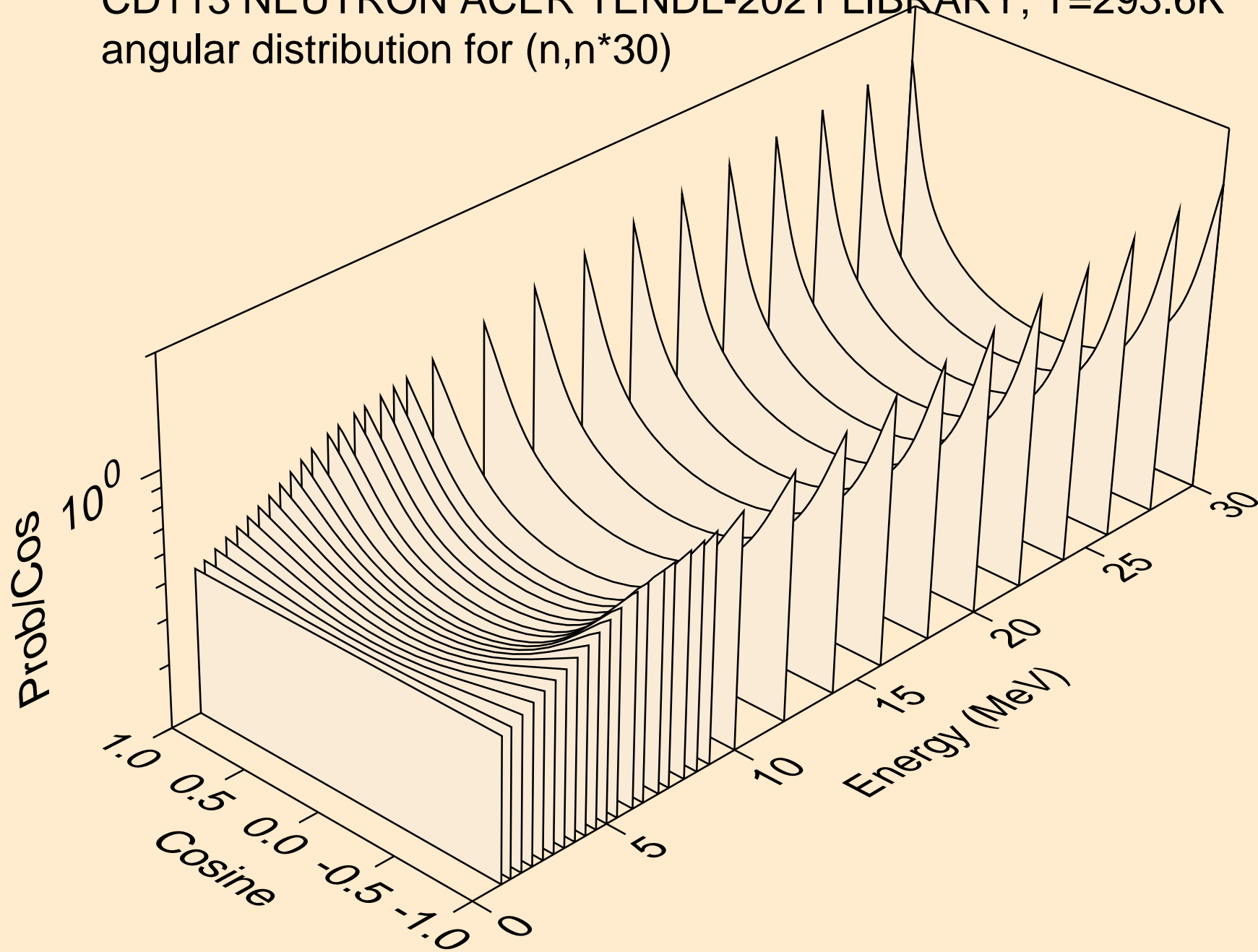
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angular distribution for (n,n\*28)



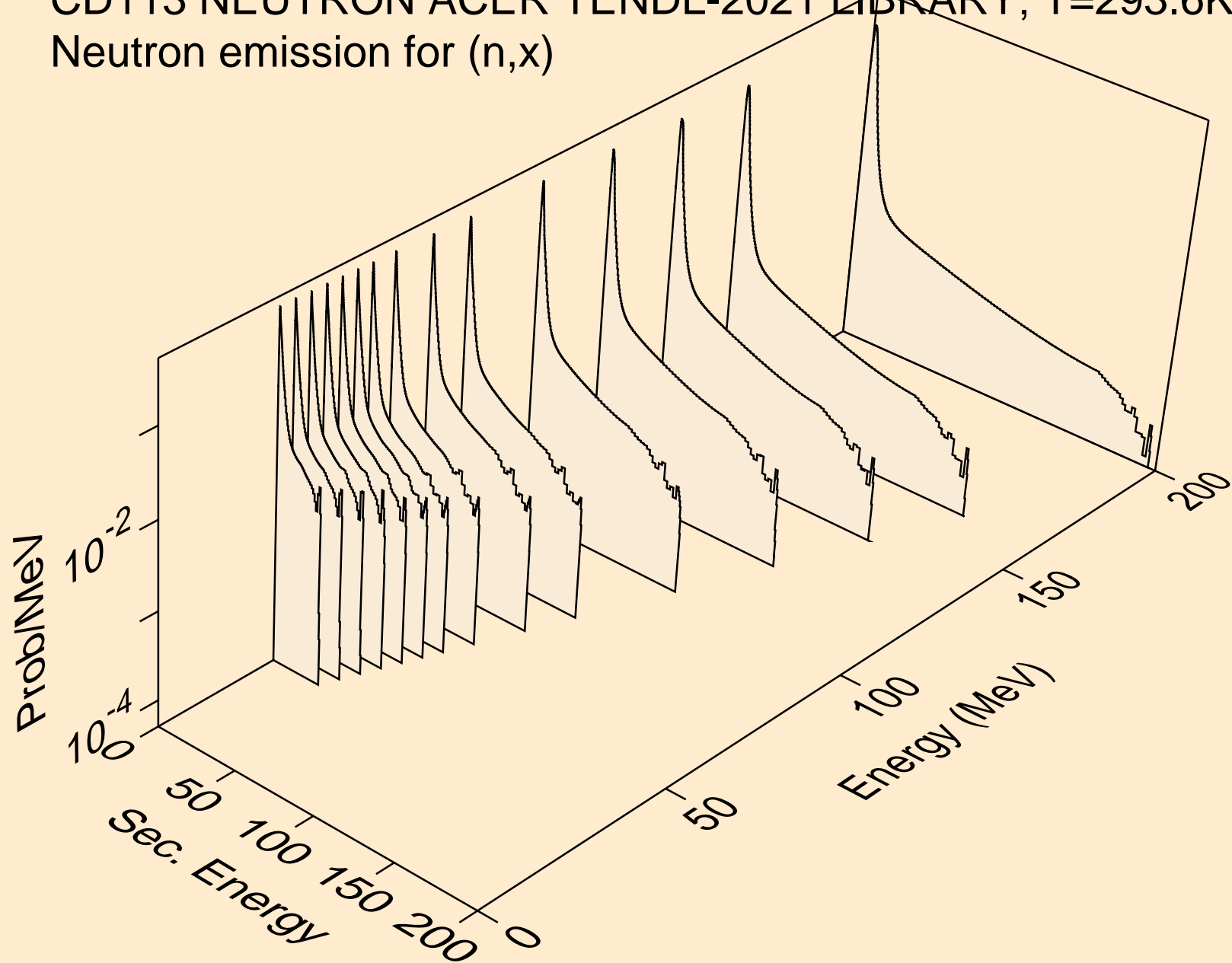
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angular distribution for (n,n\*29)



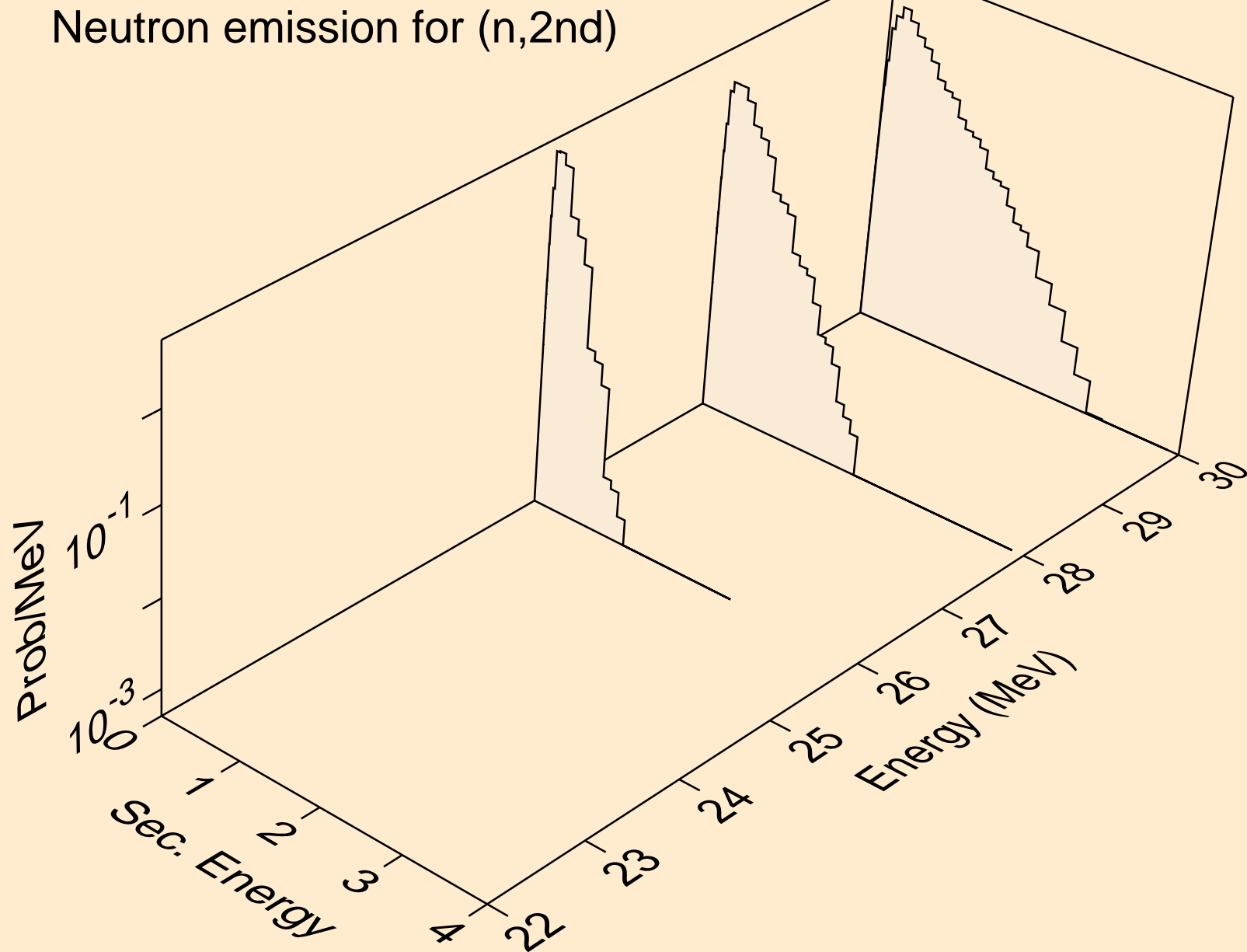
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*30)



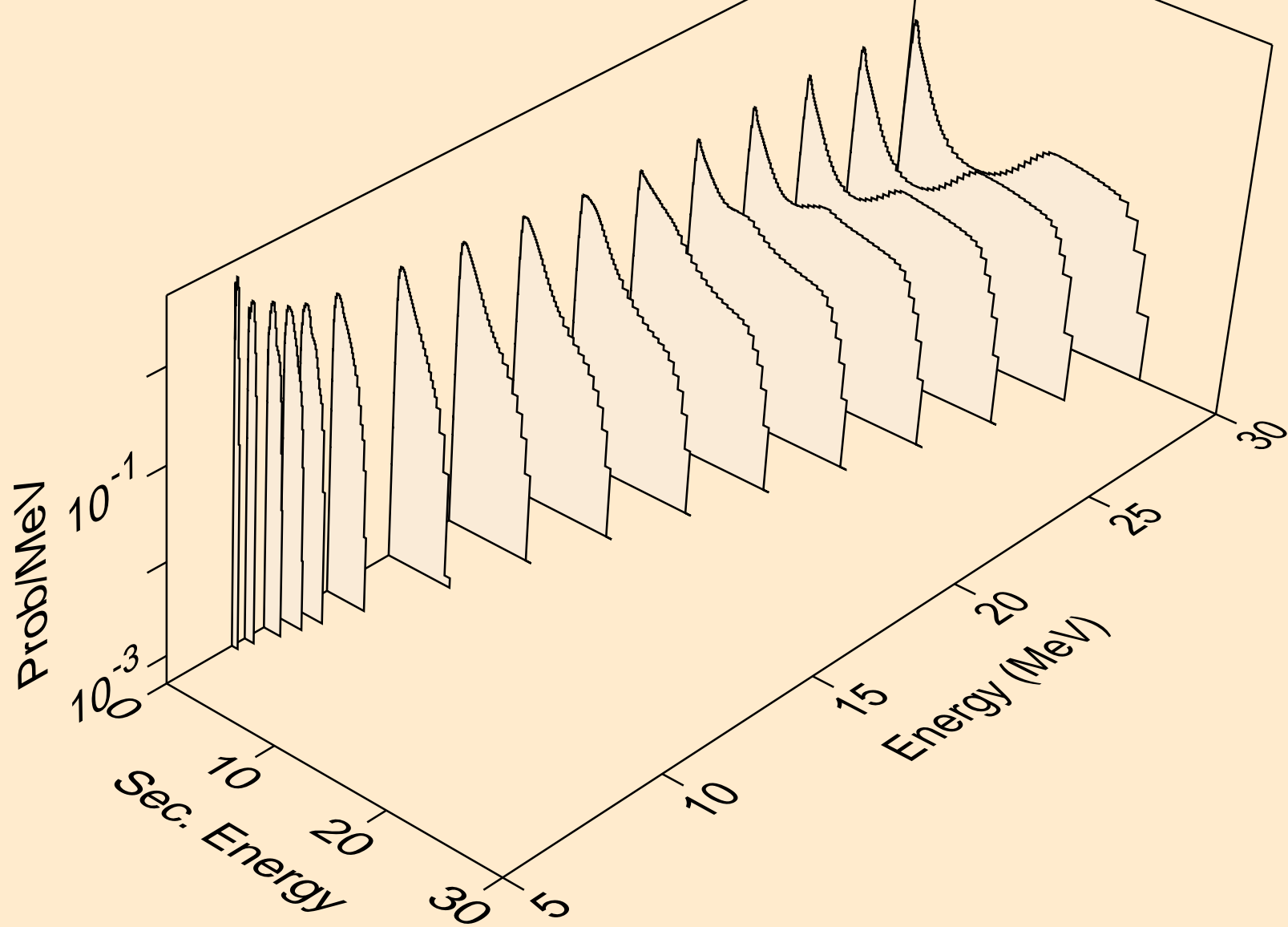
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)



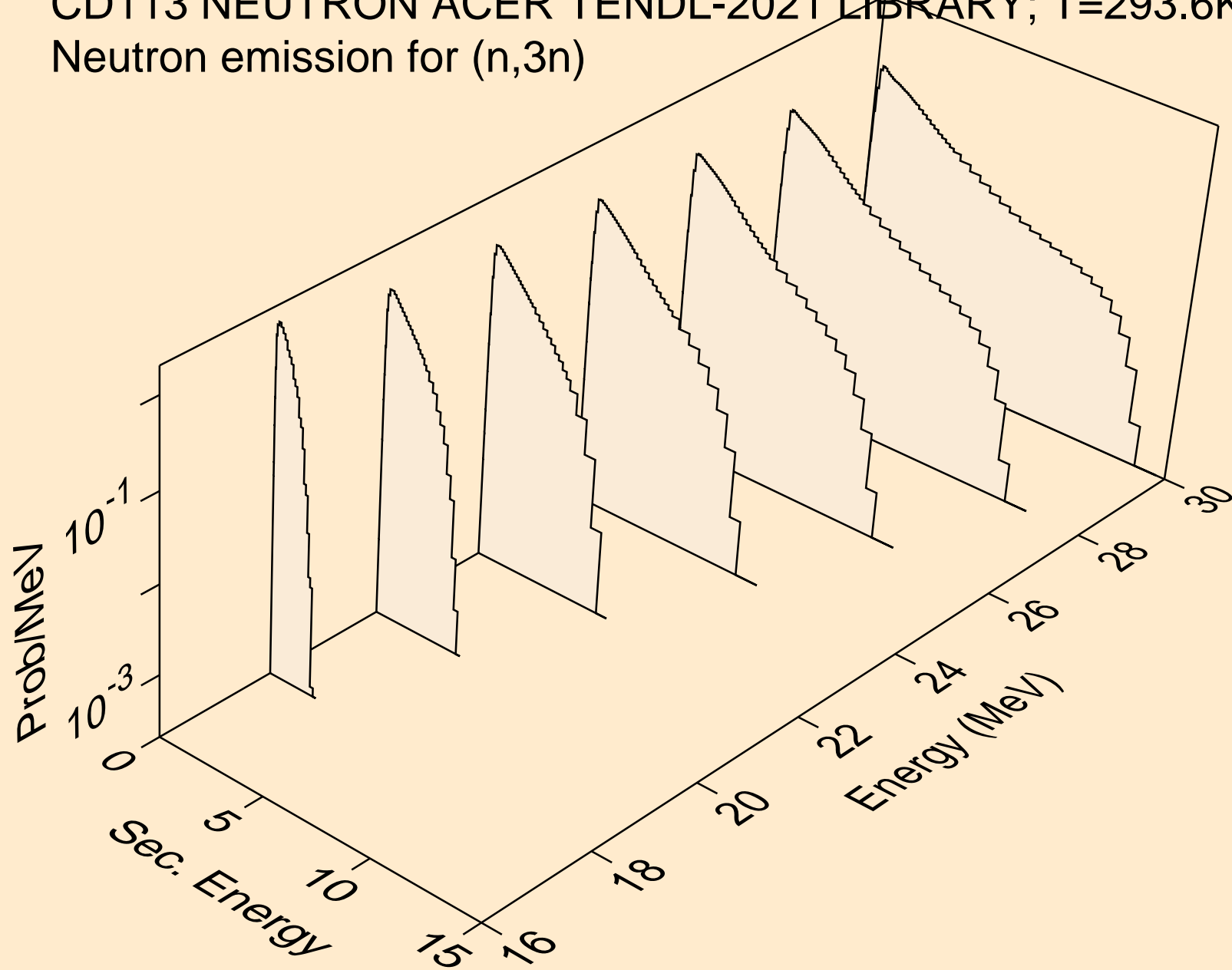
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



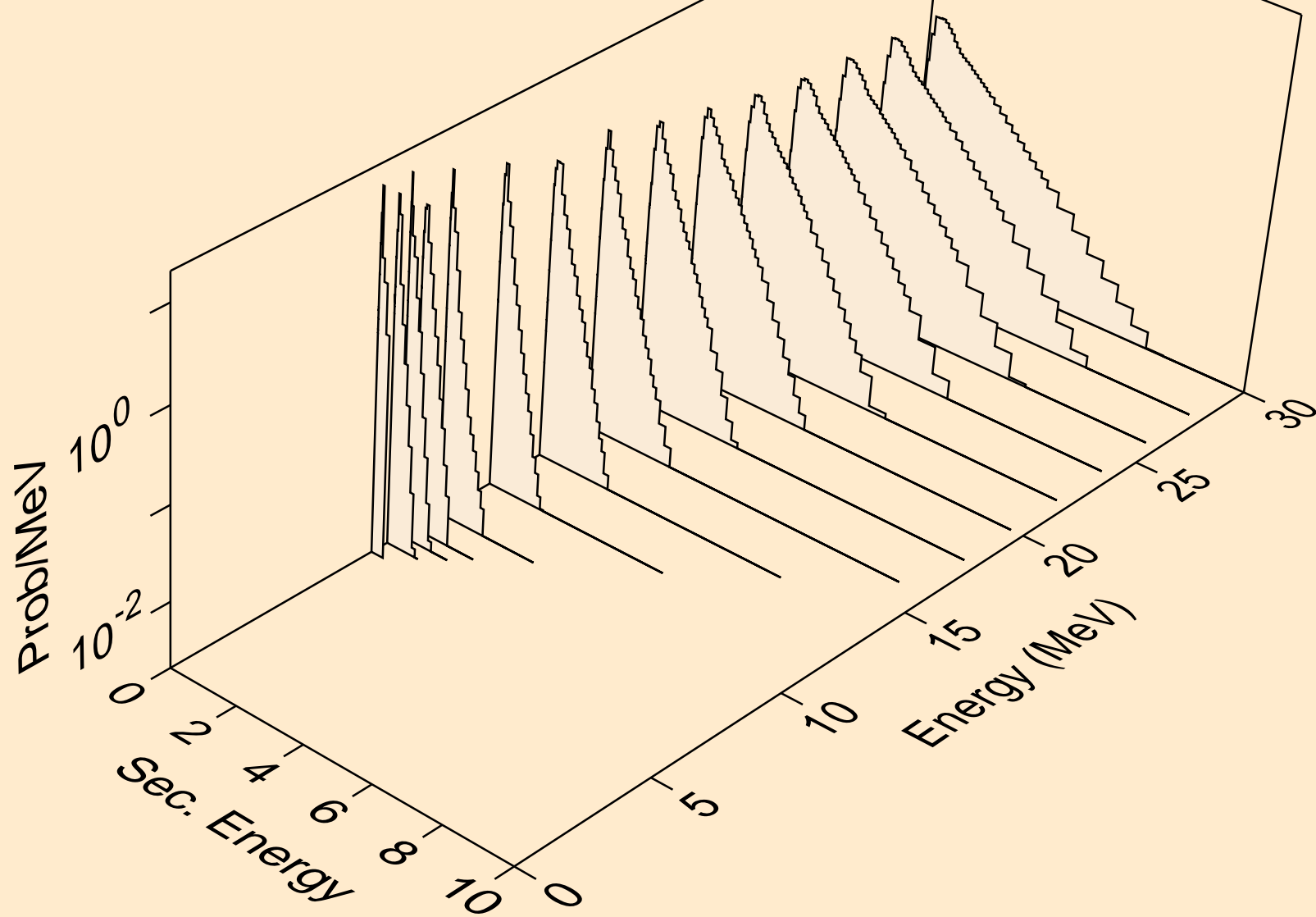
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)

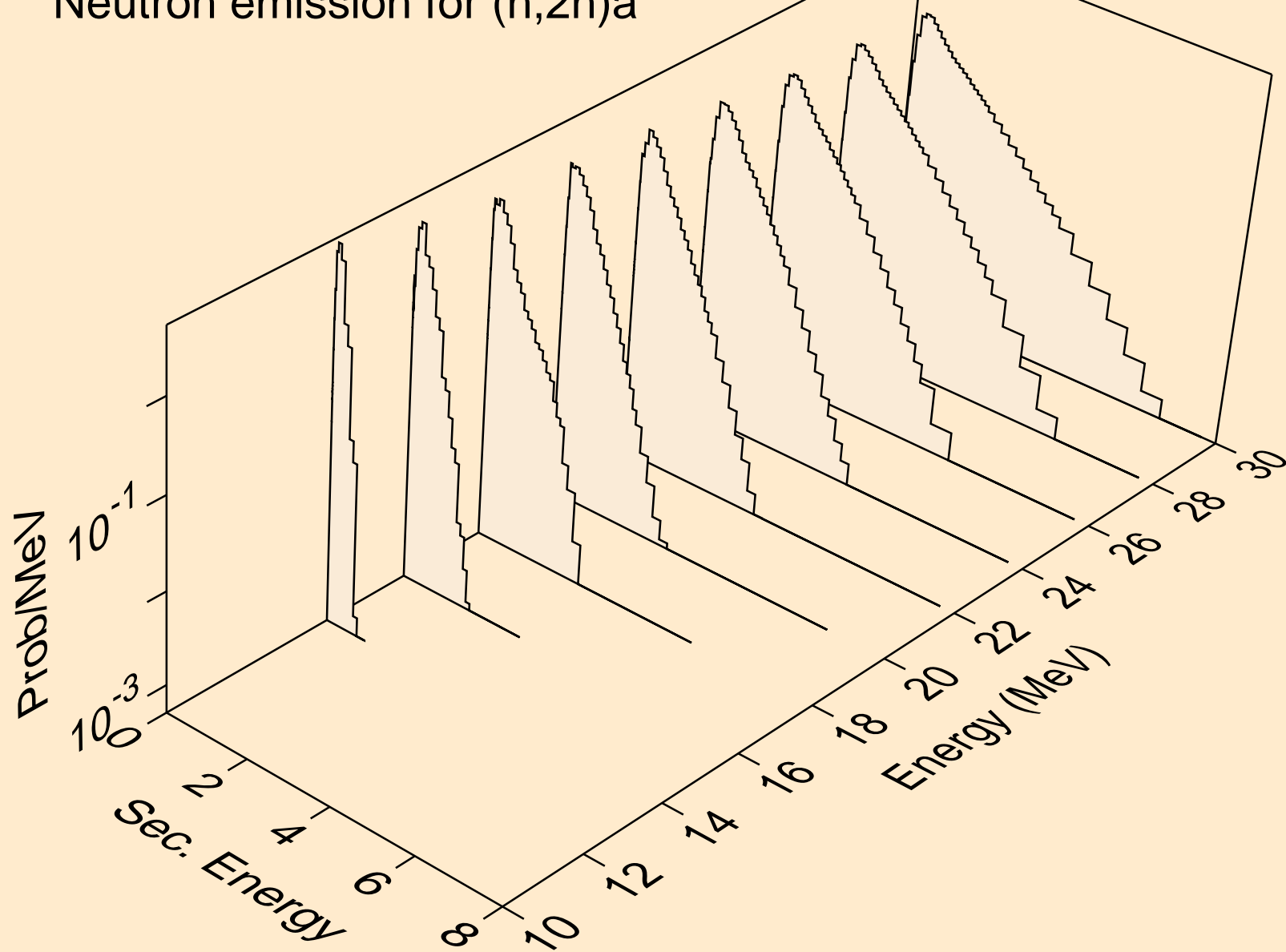


CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a

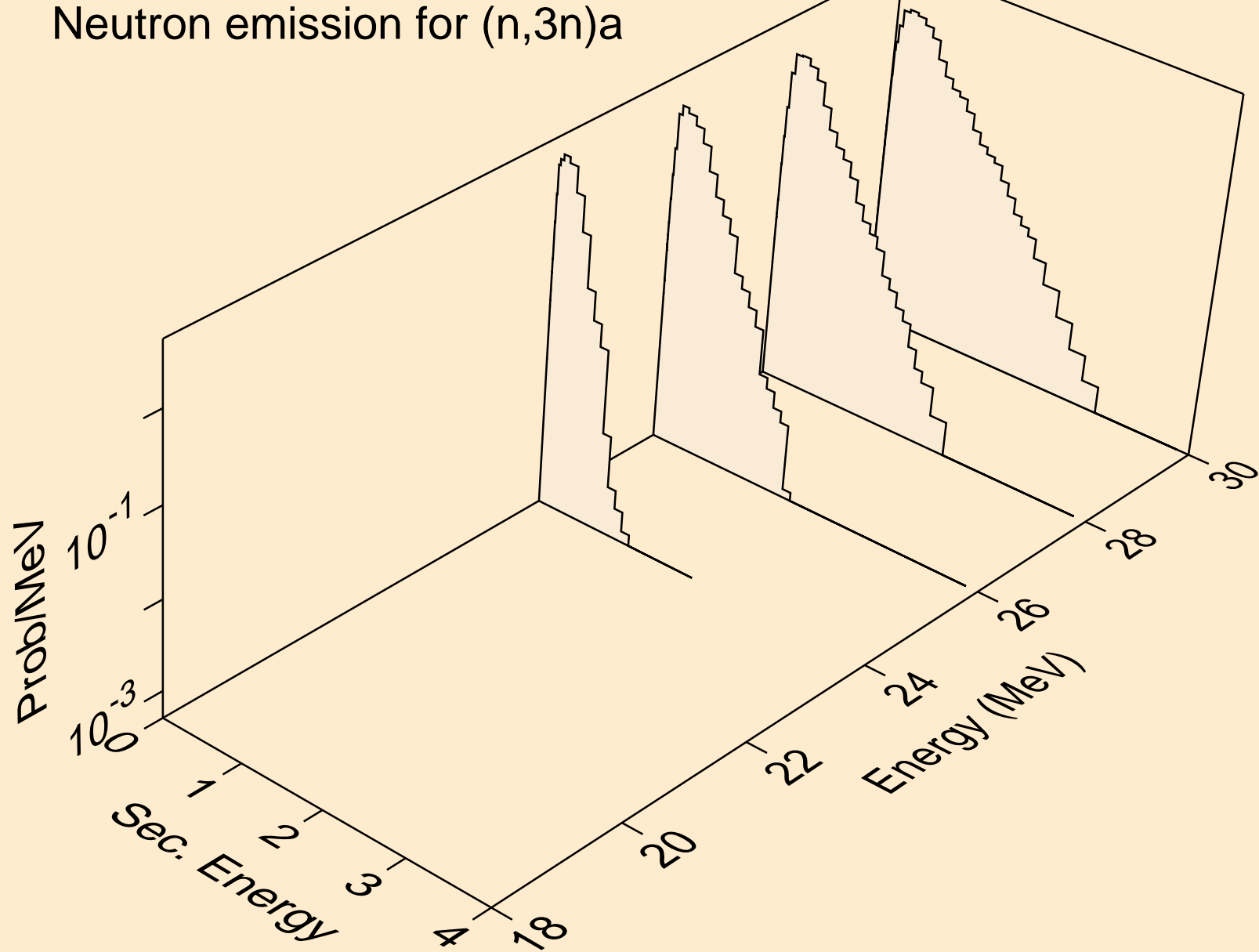




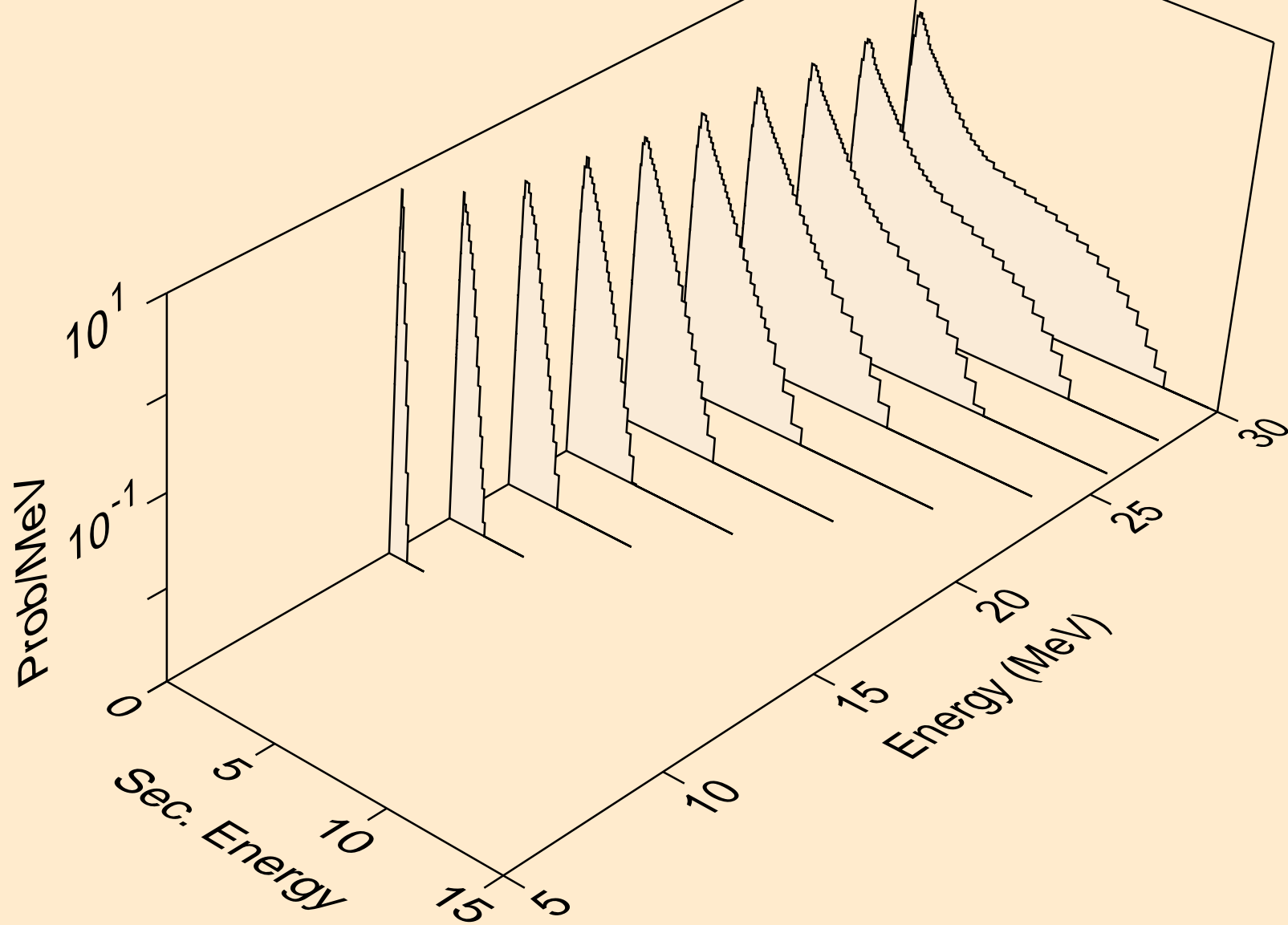
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)<sub>a</sub>



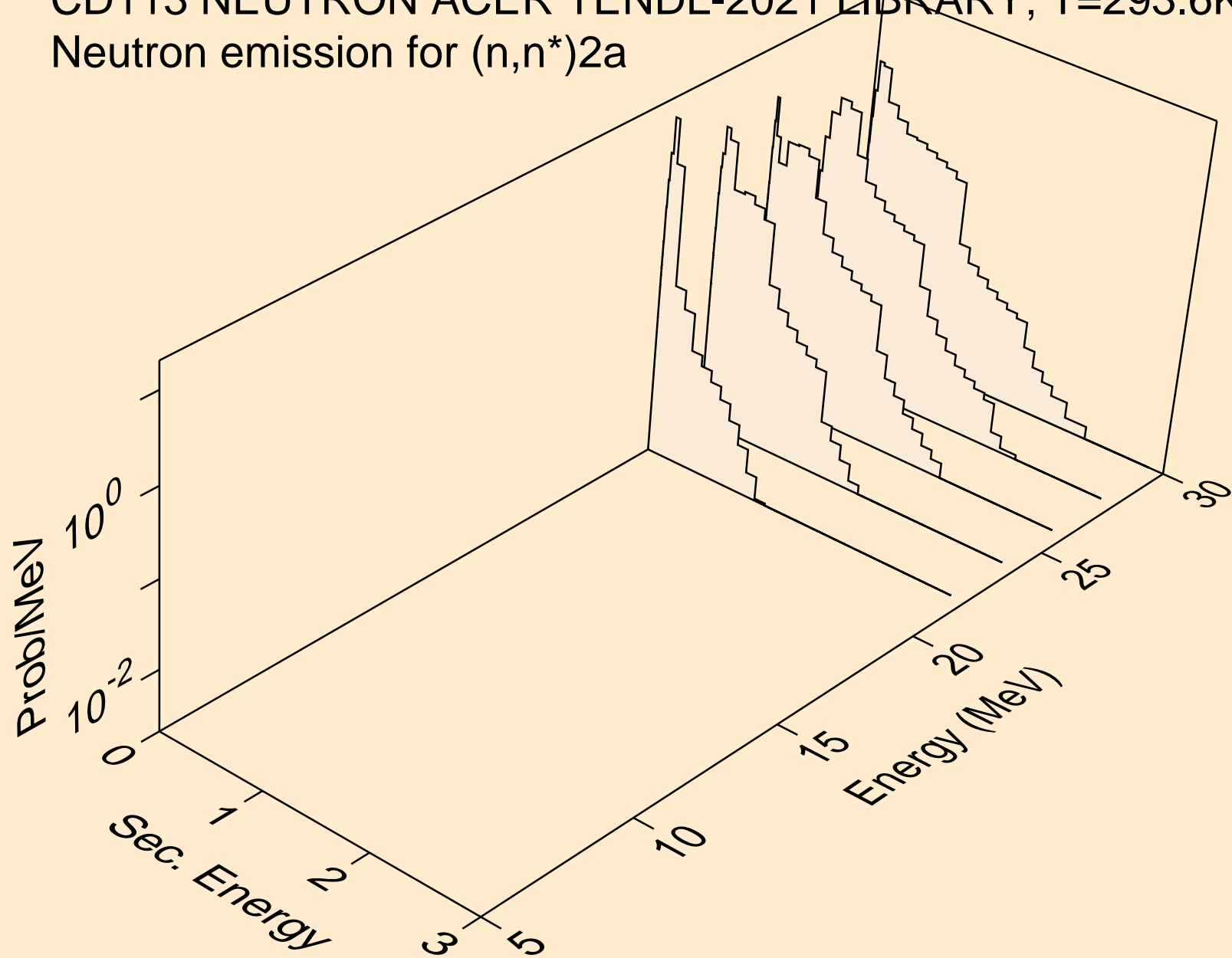
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a



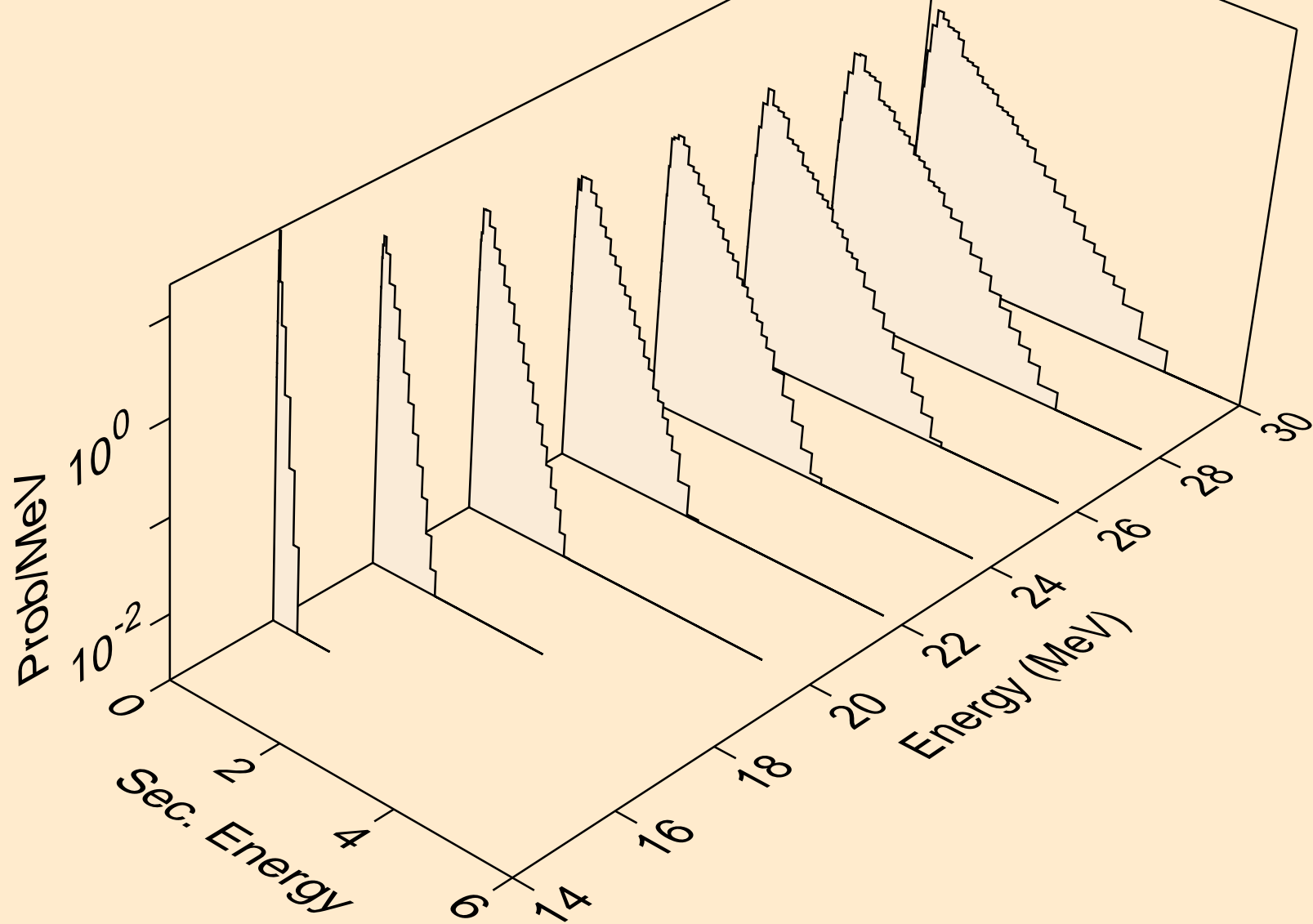
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



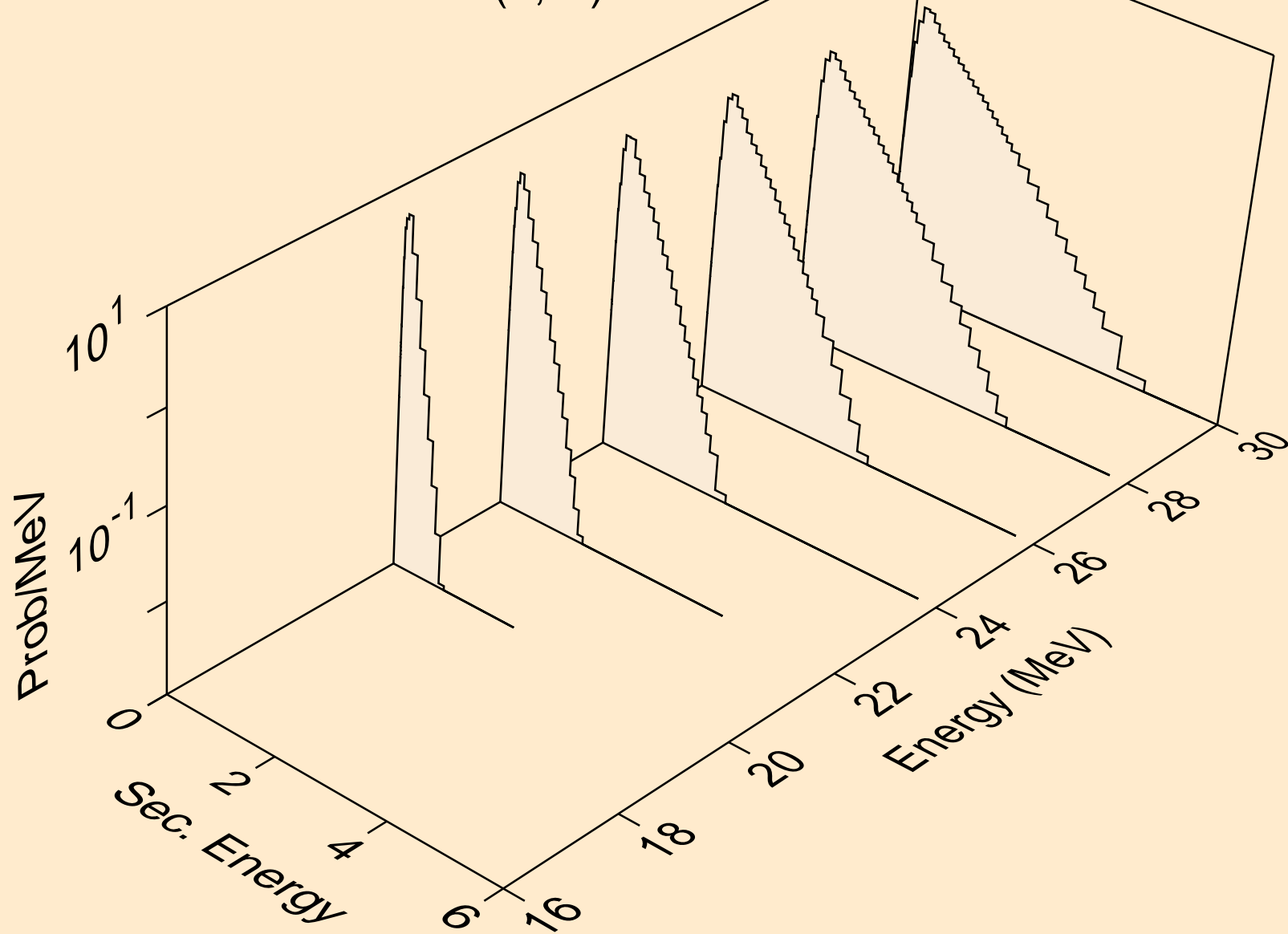
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a



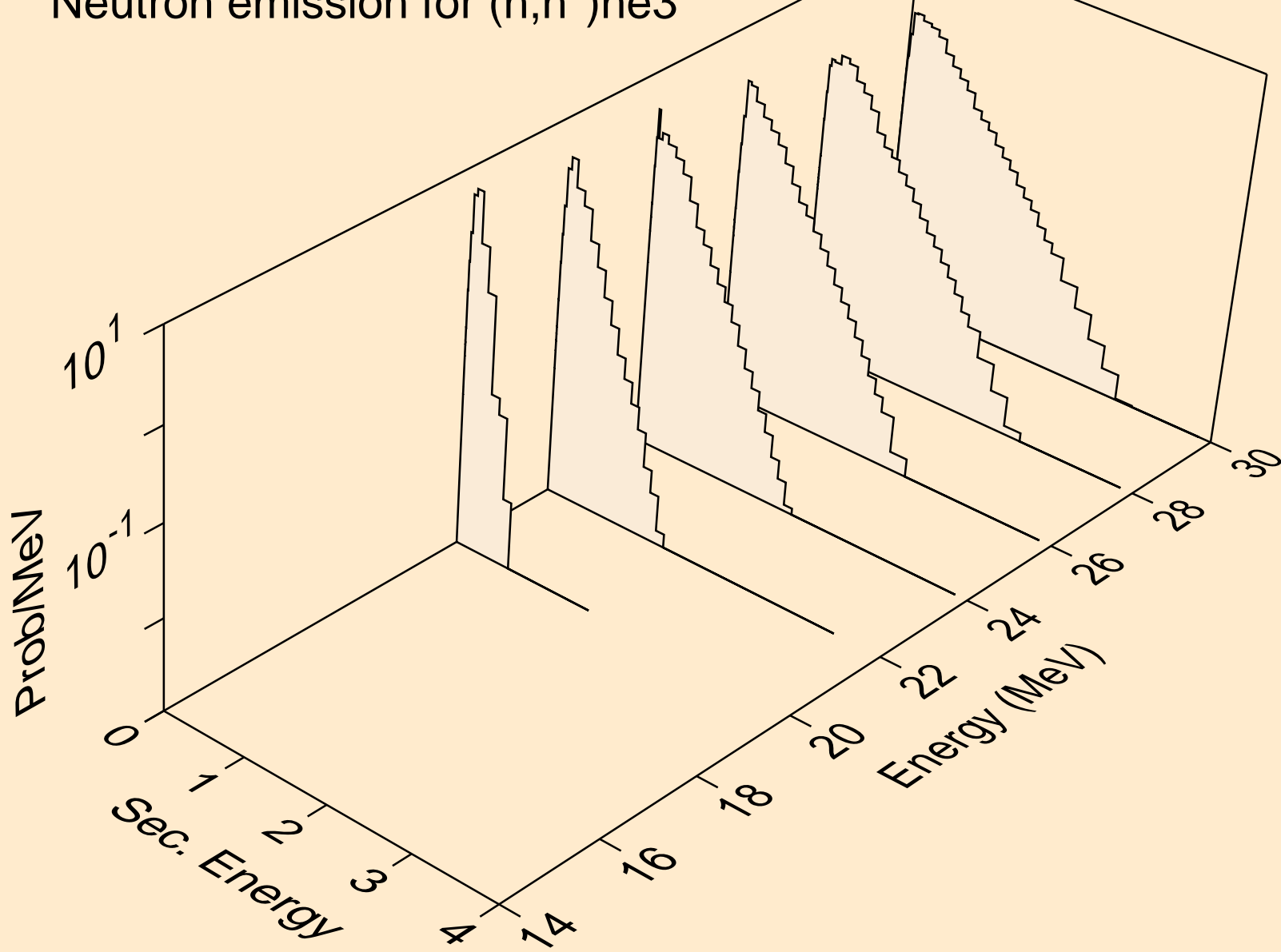
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



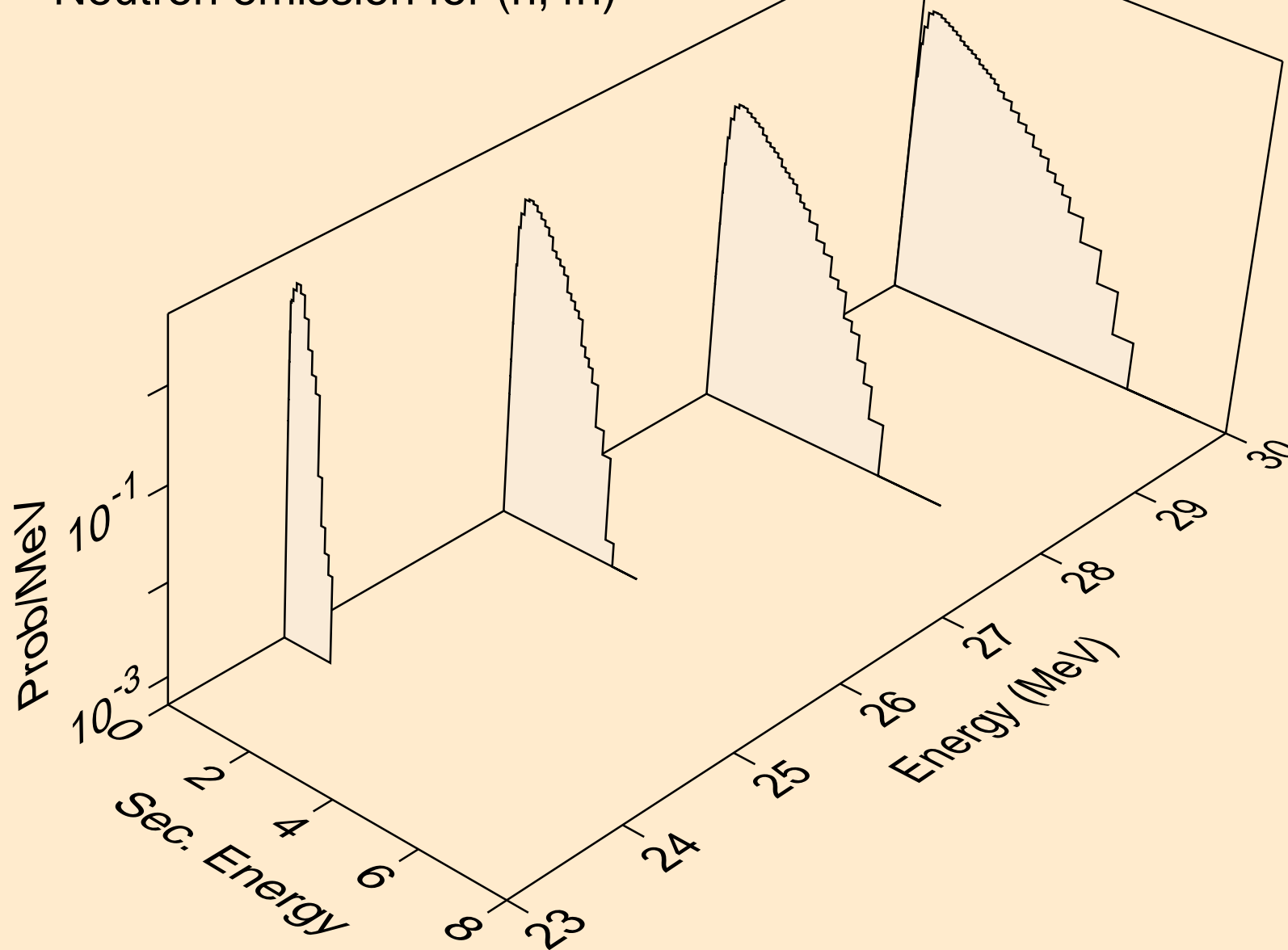
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3

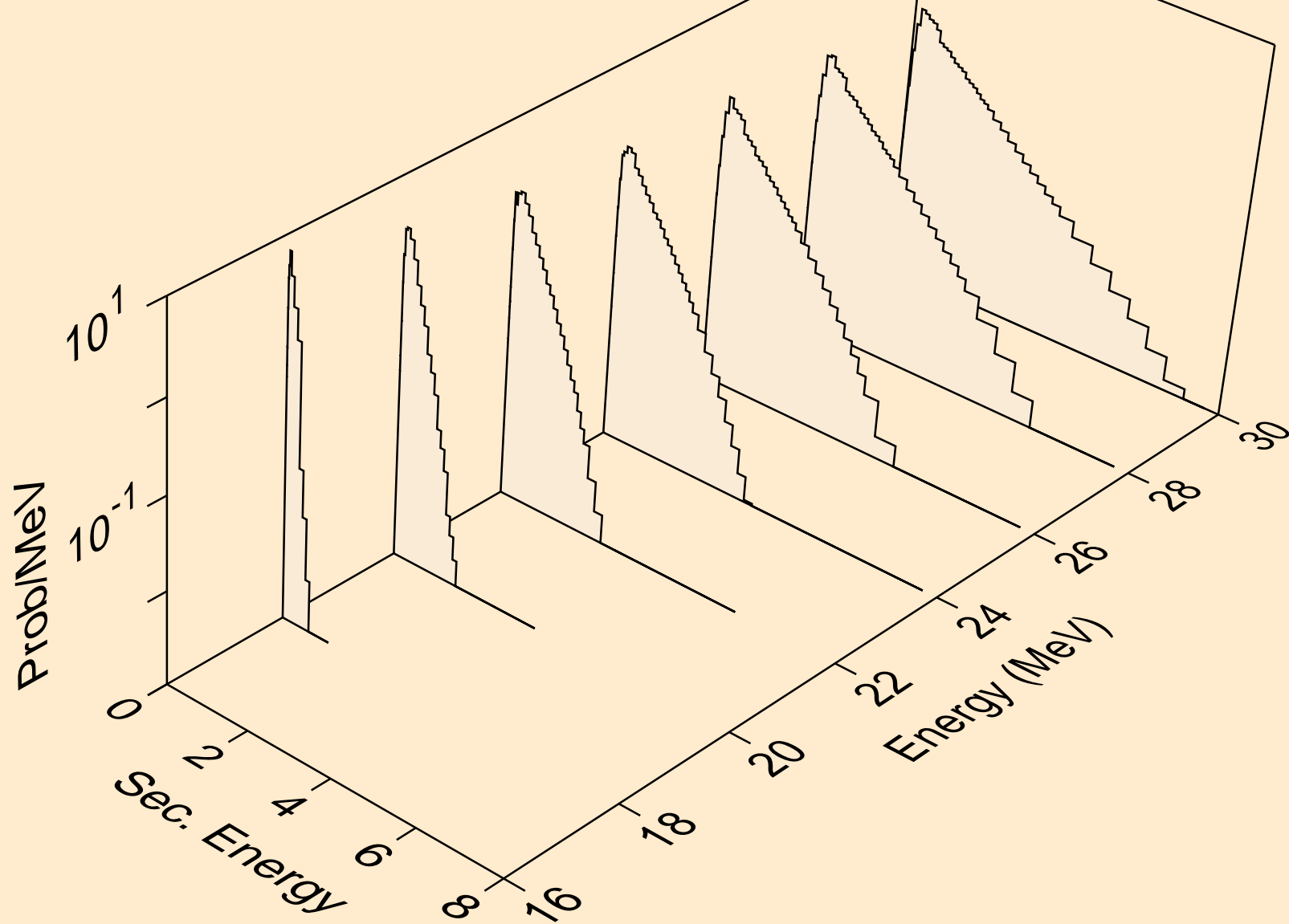


CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,4n)

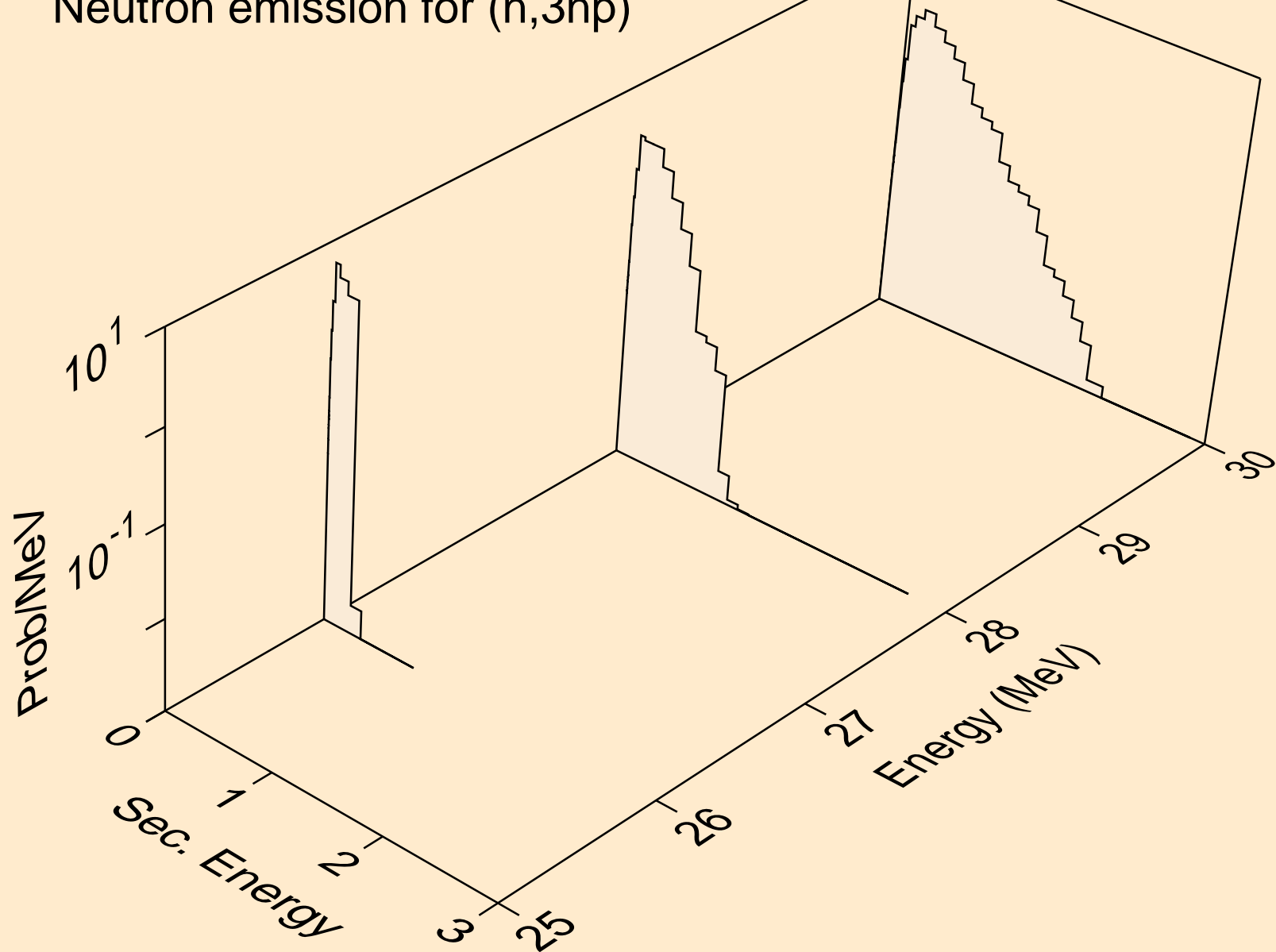




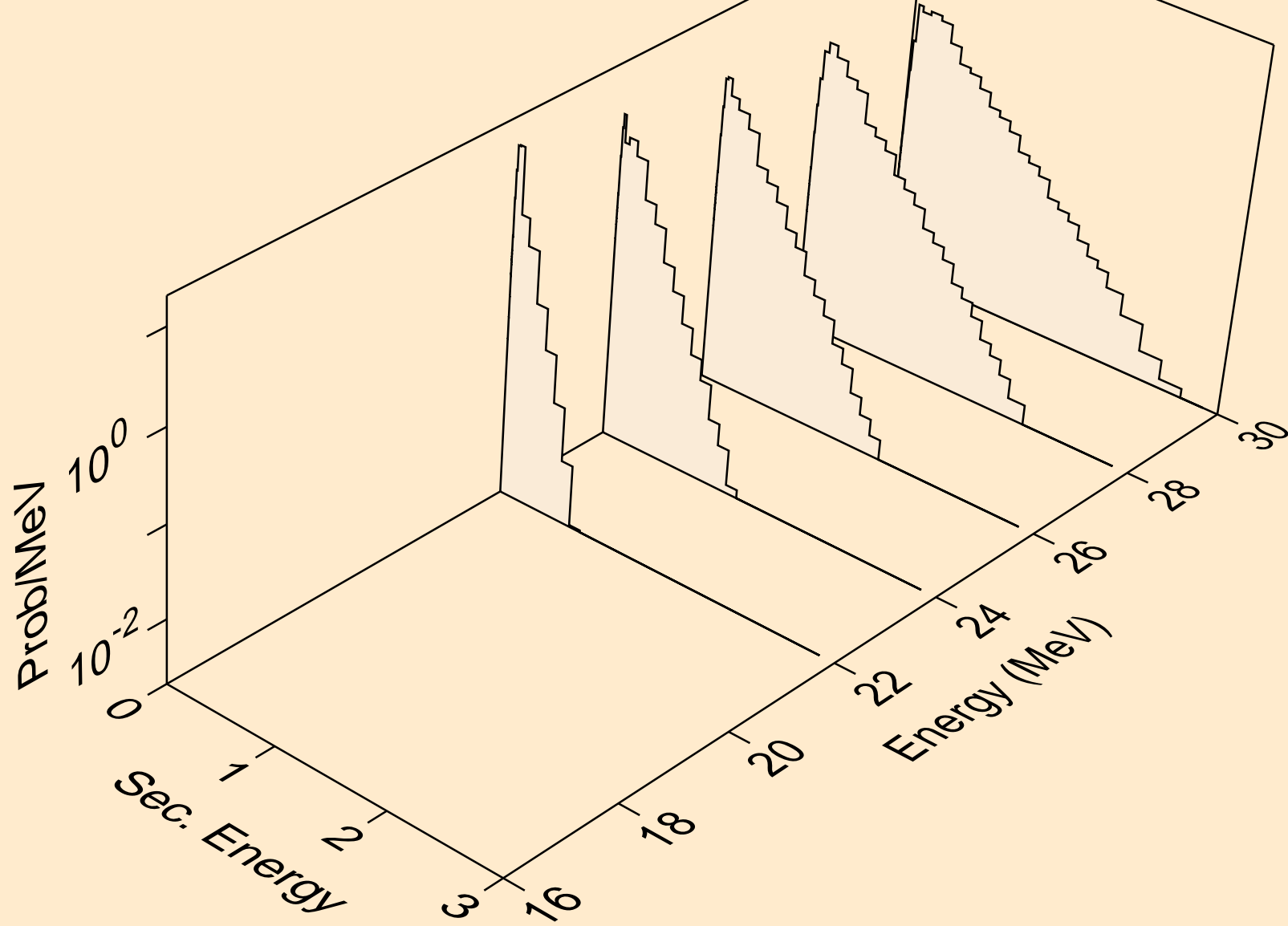
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



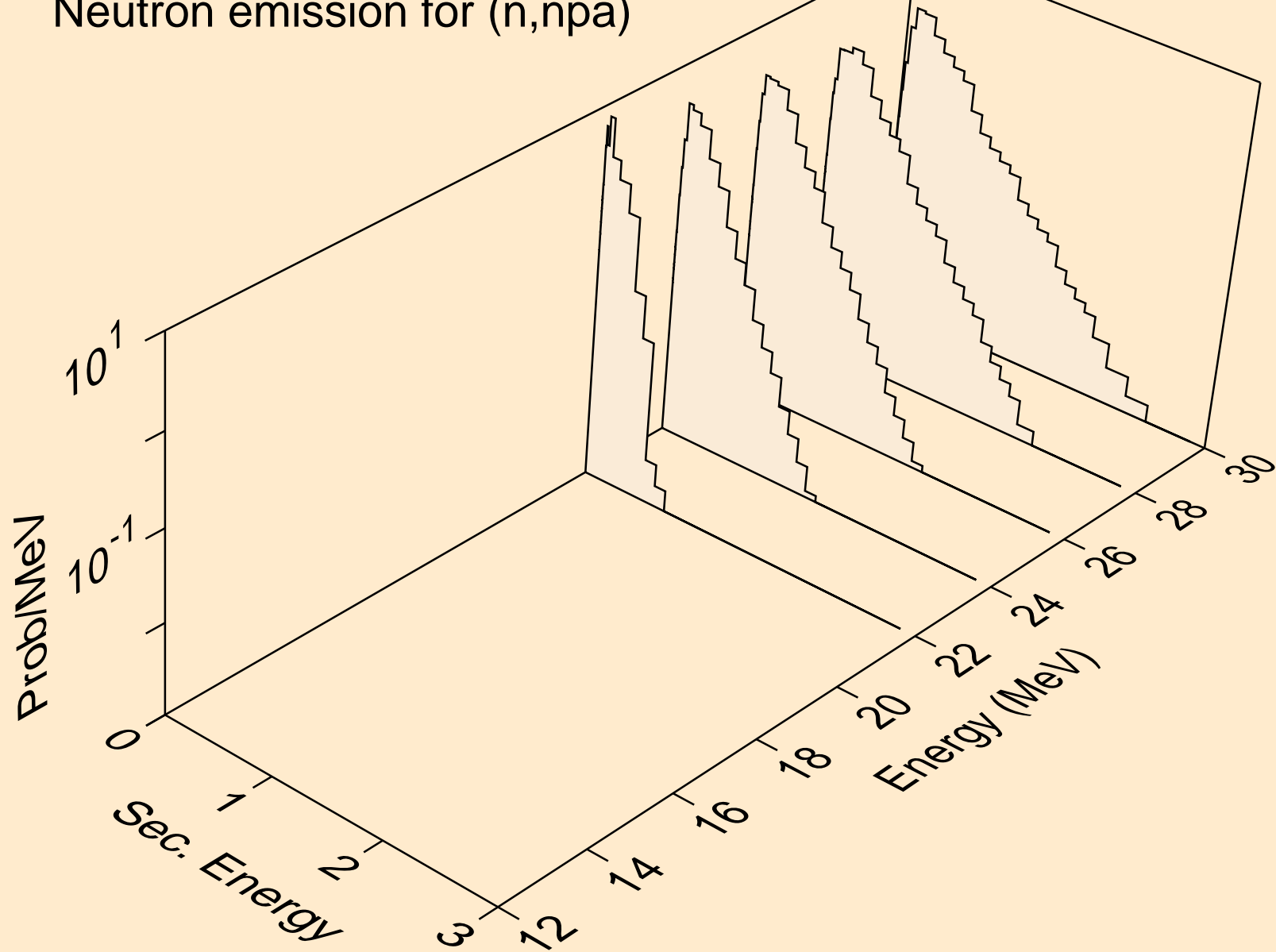
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)



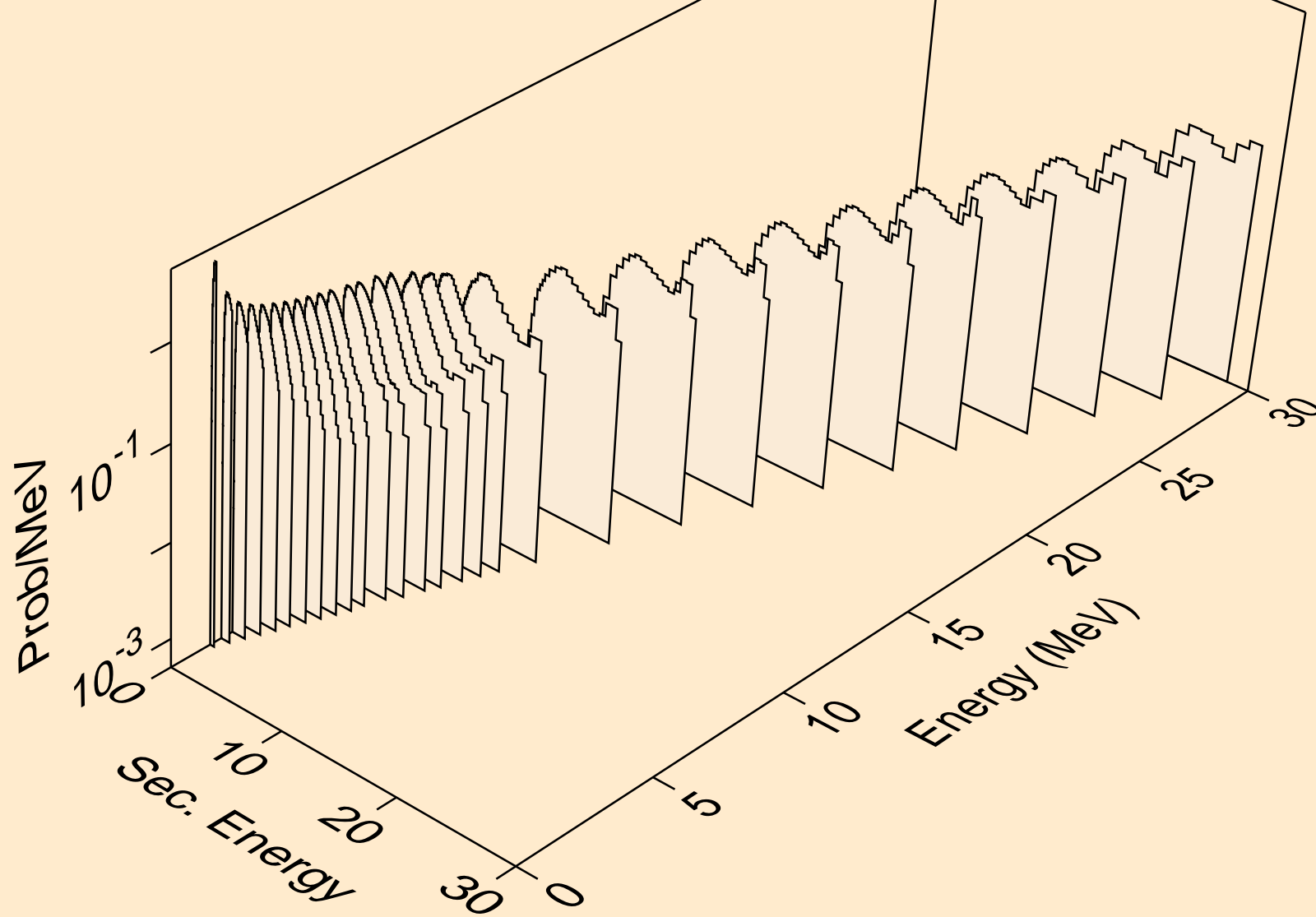
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



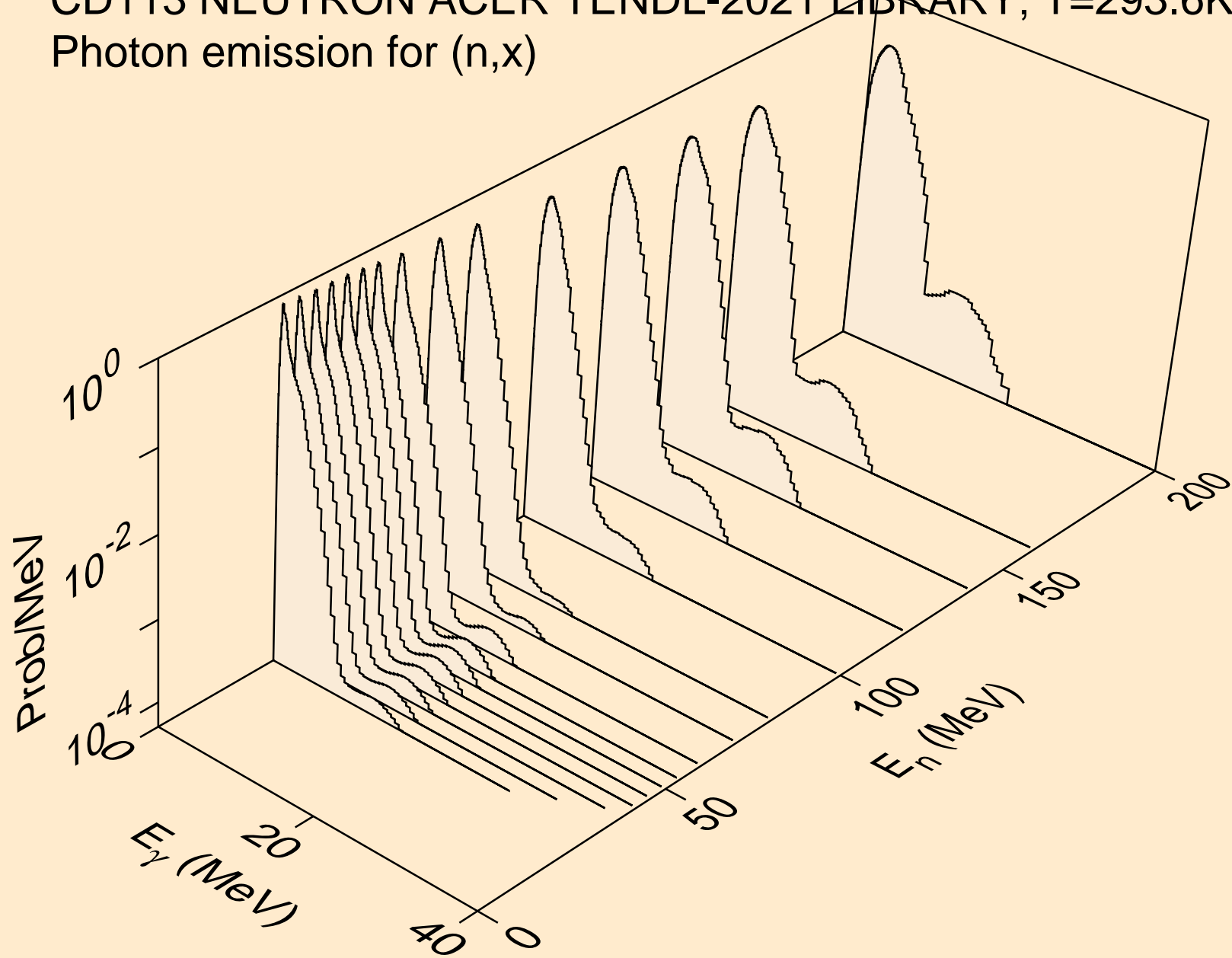
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)



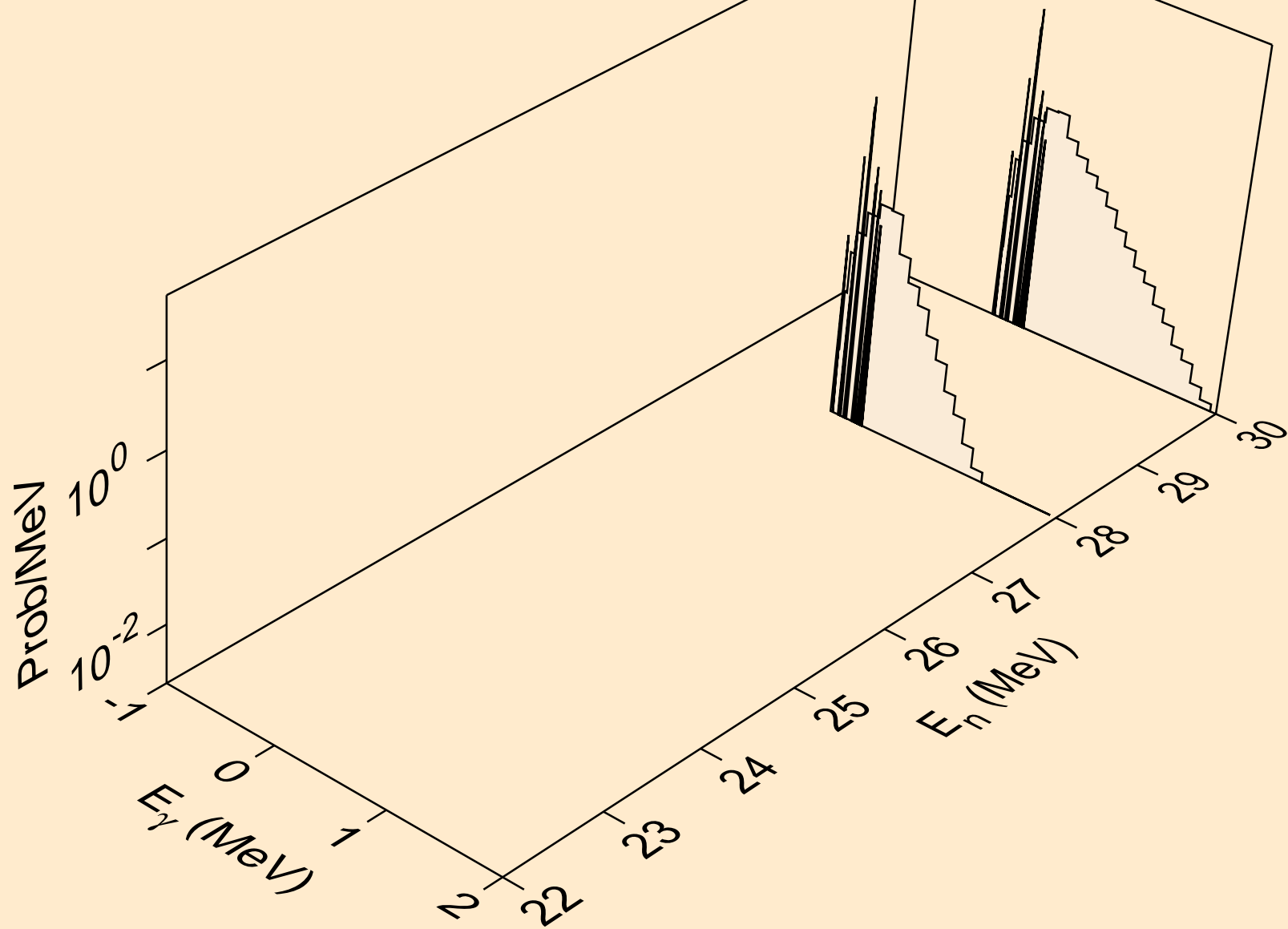
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



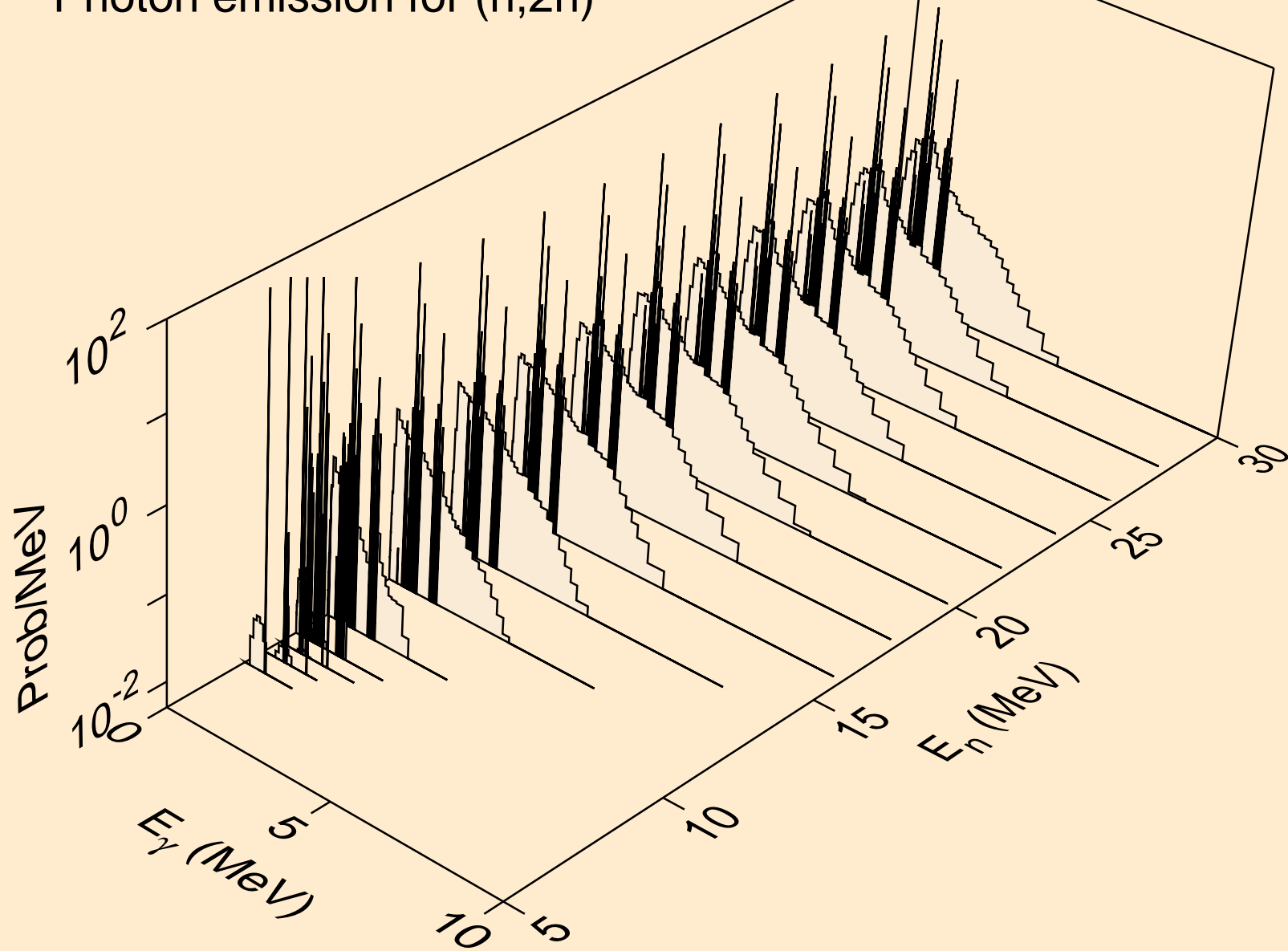
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)



CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2nd)

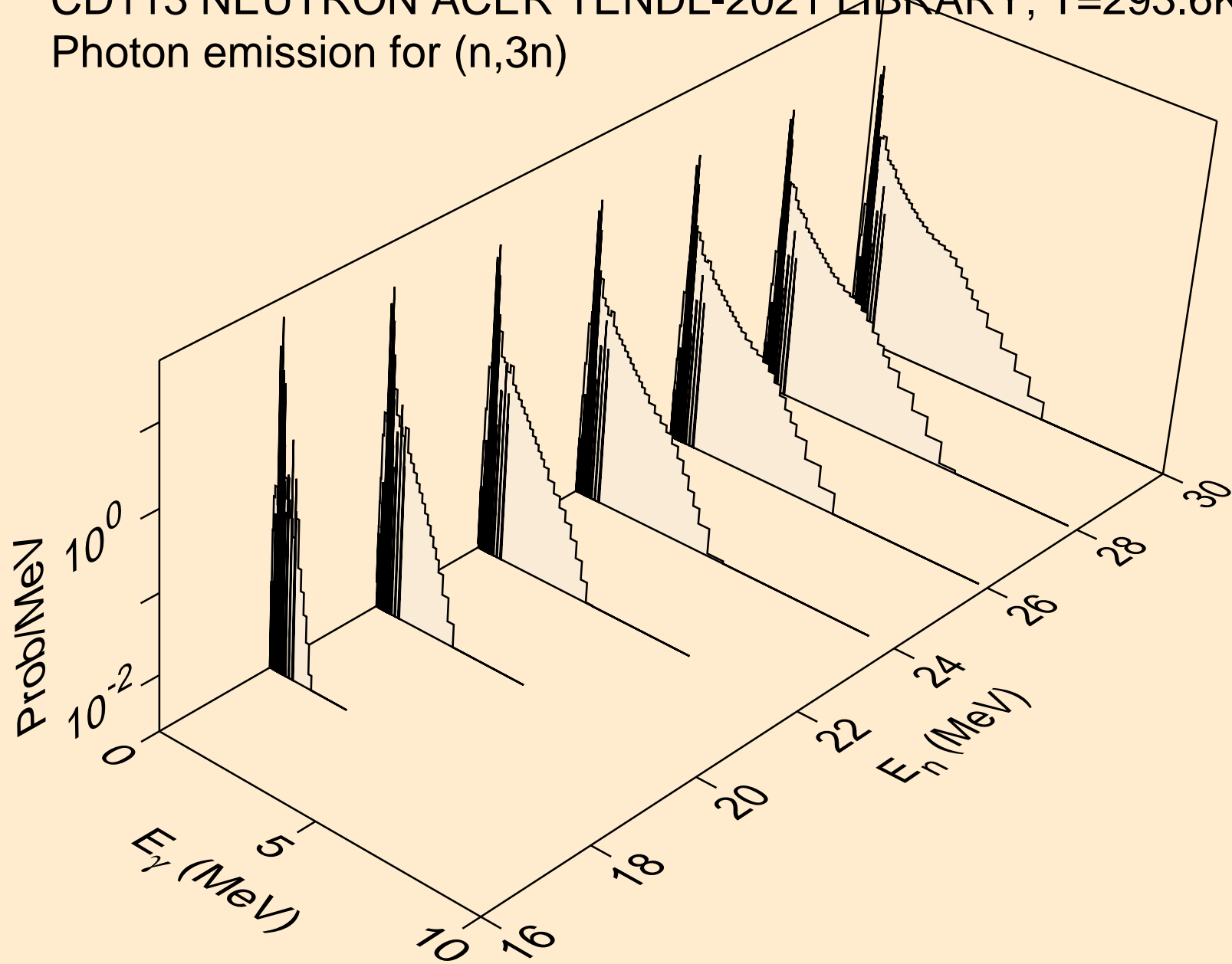


CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)

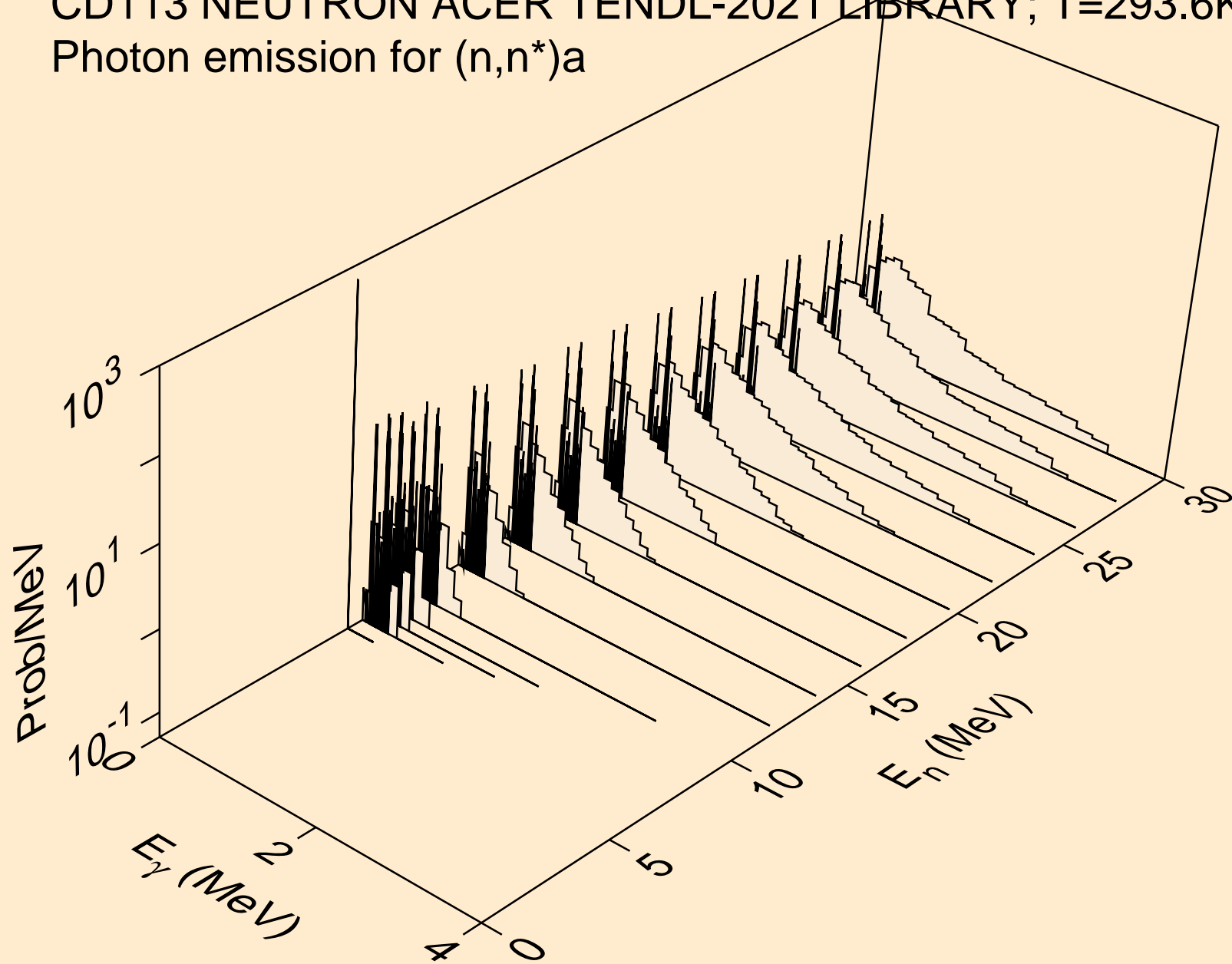




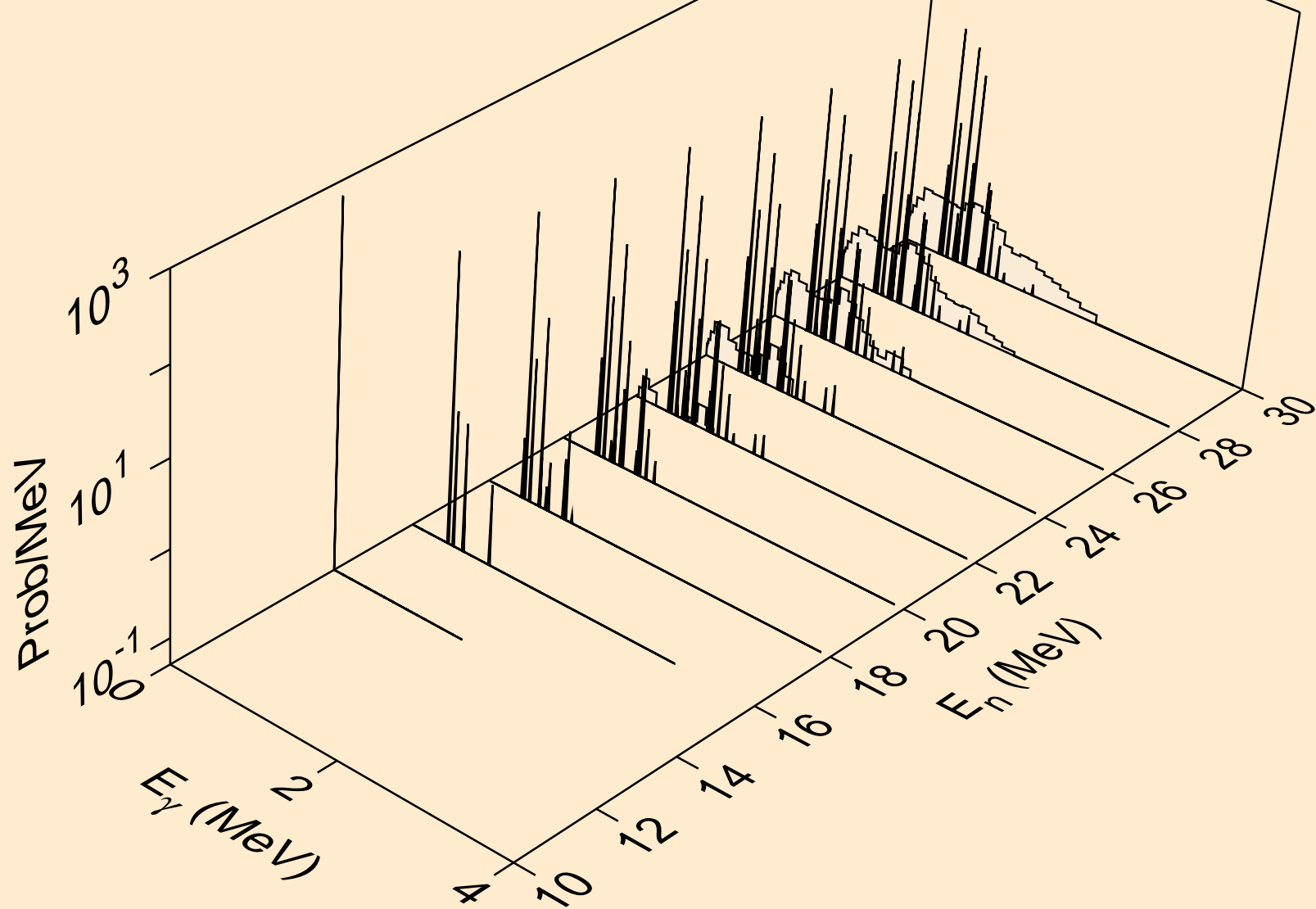
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)



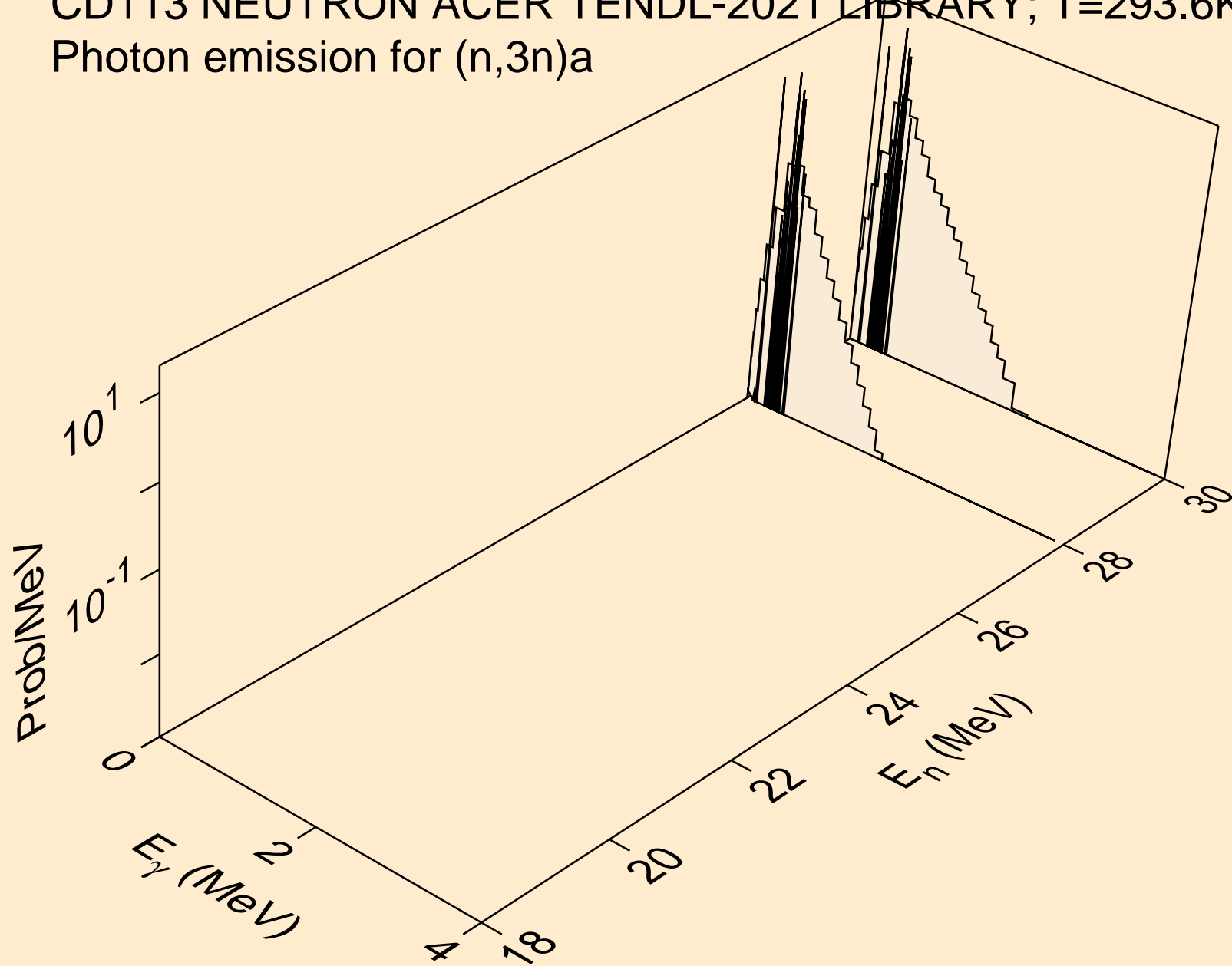
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



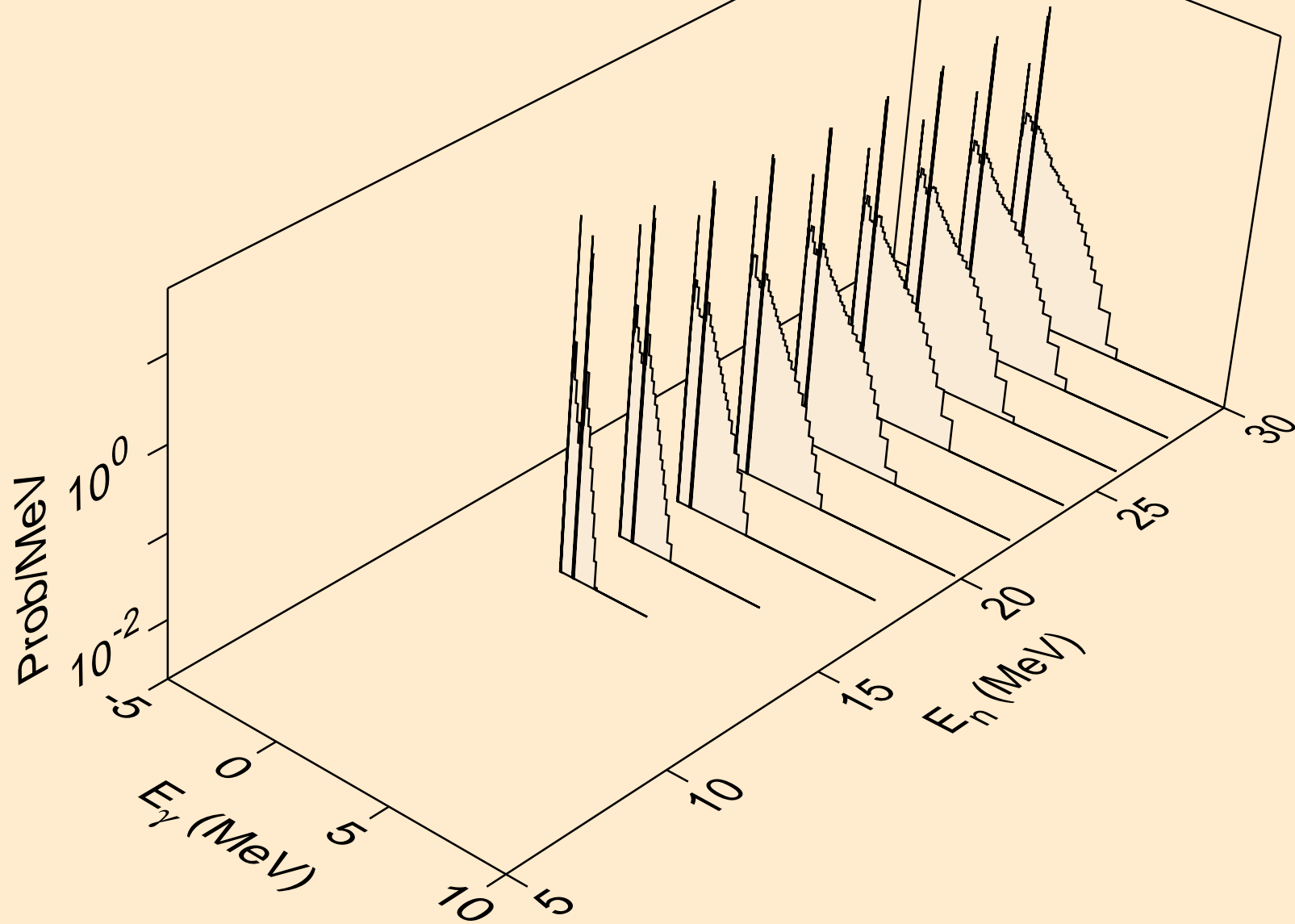
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Photon emission for (n,2n)a



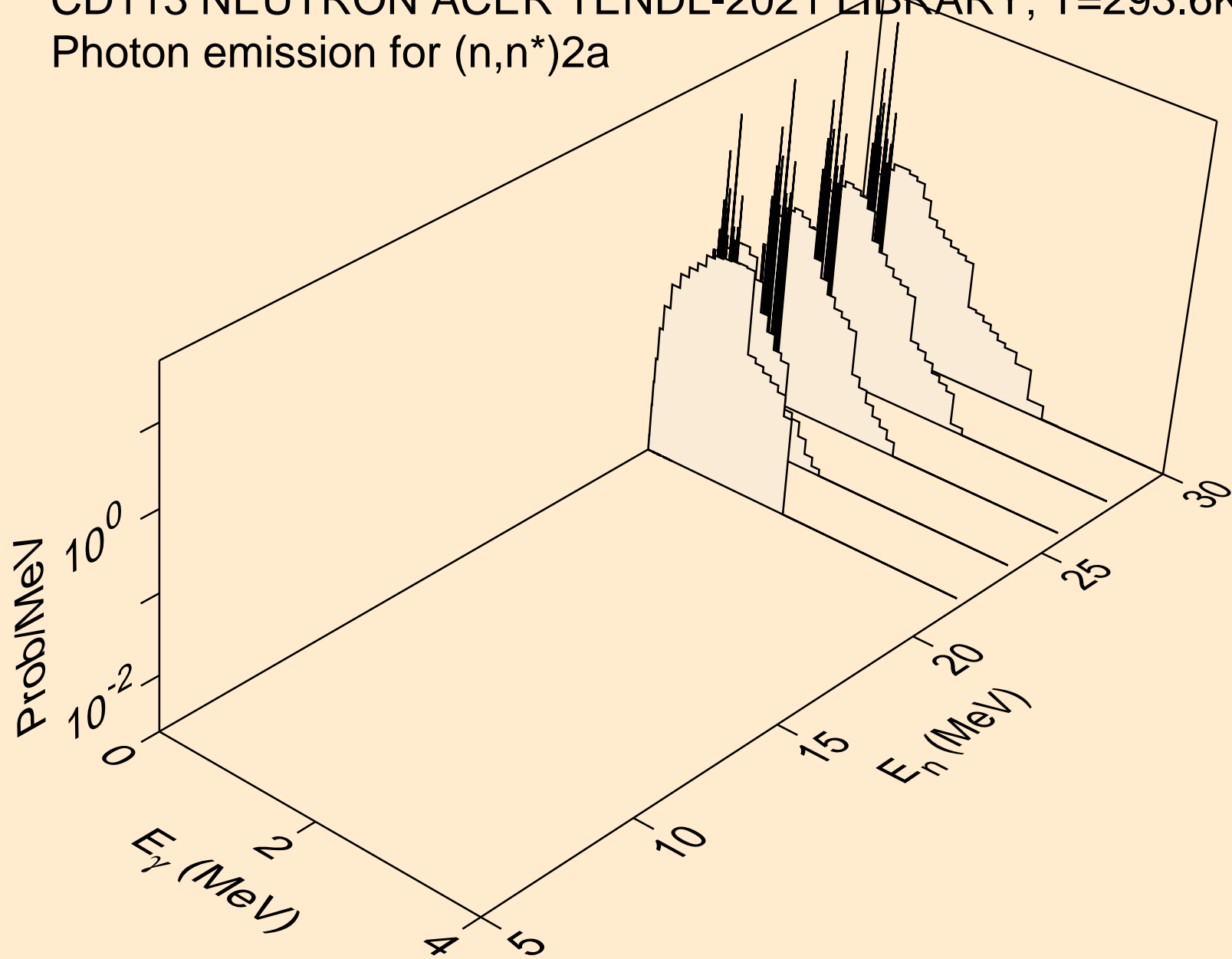
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Photon emission for (n,3n)a



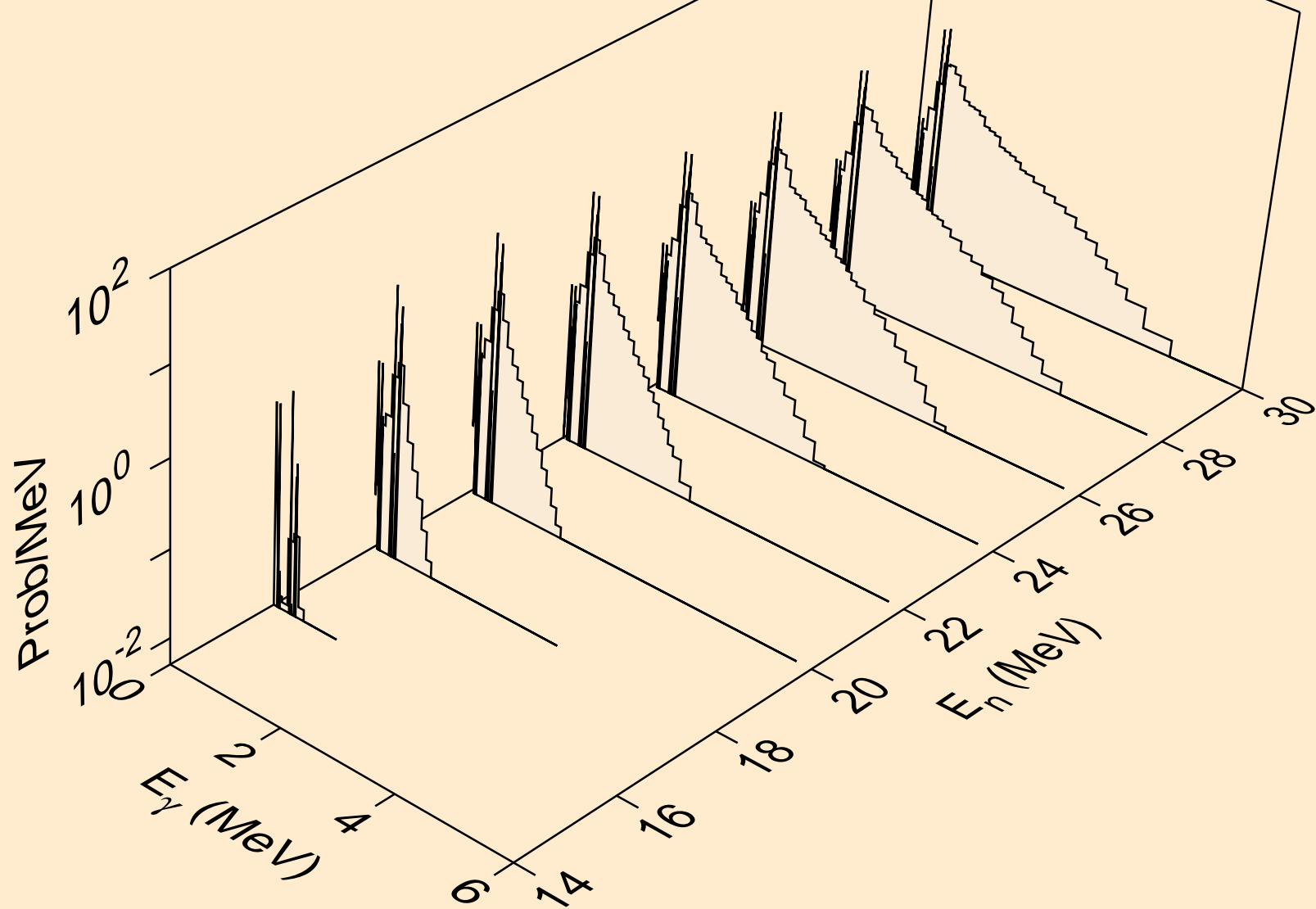
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



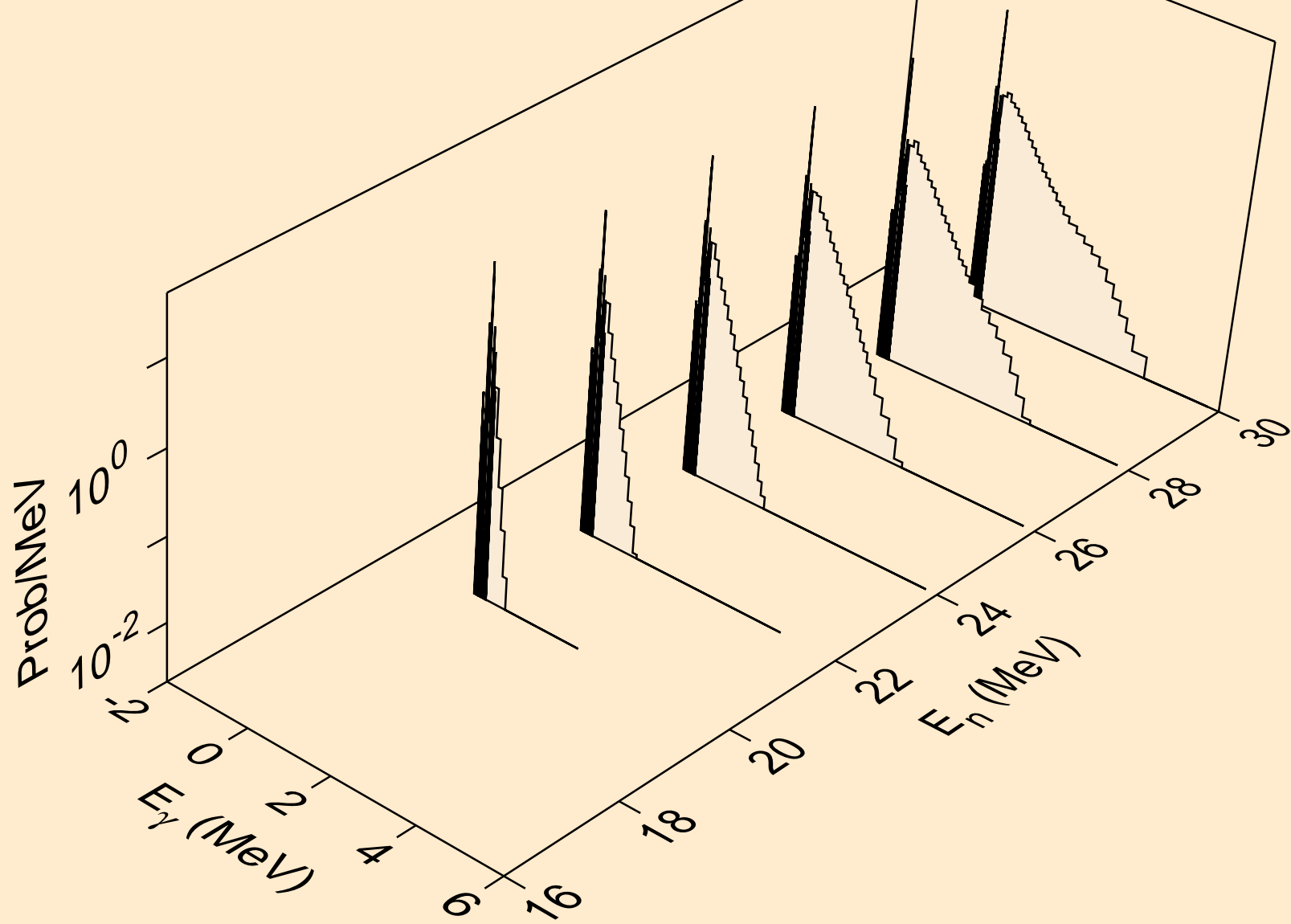
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a



CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d

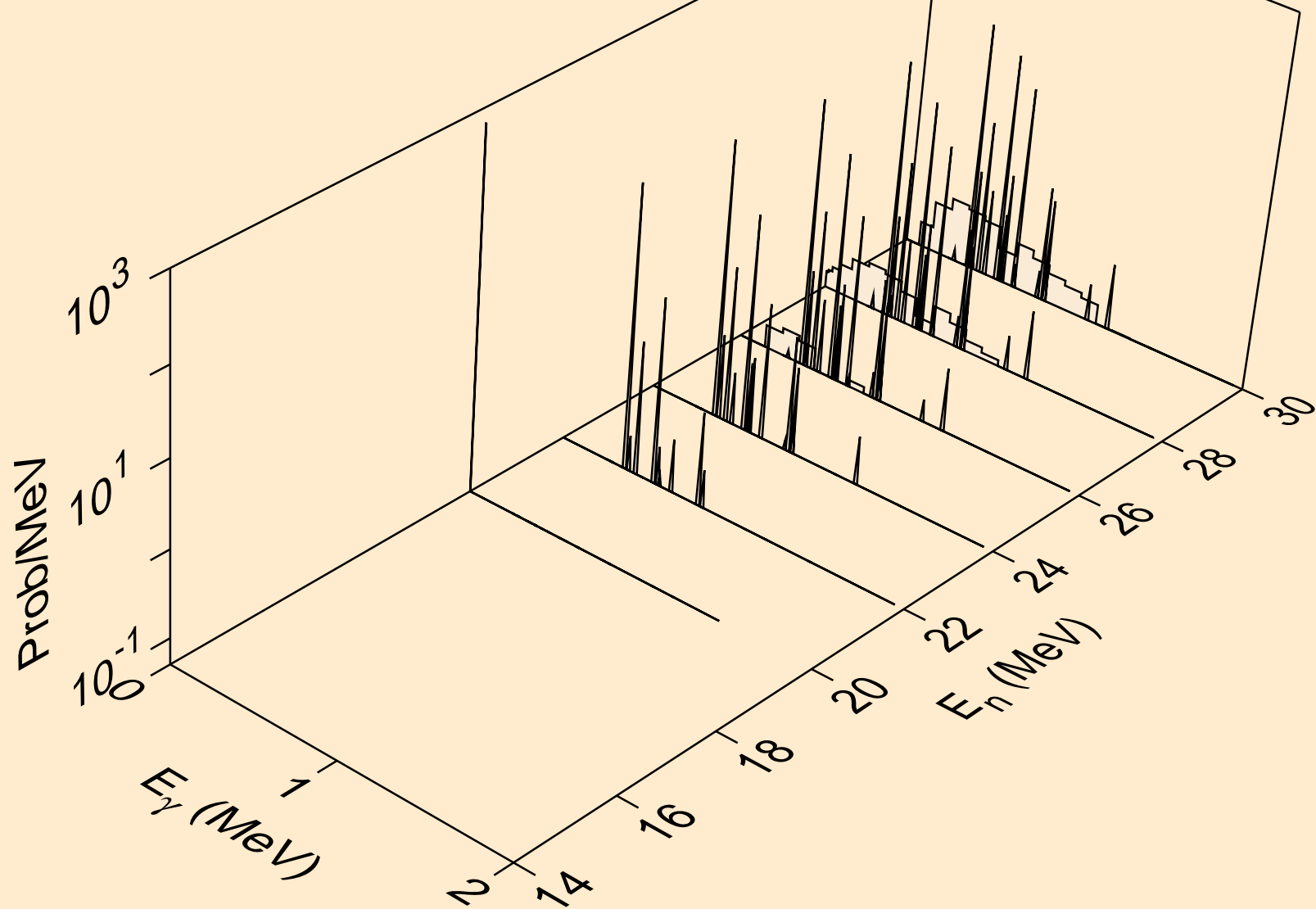


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Photon emission for (n,n\*)t

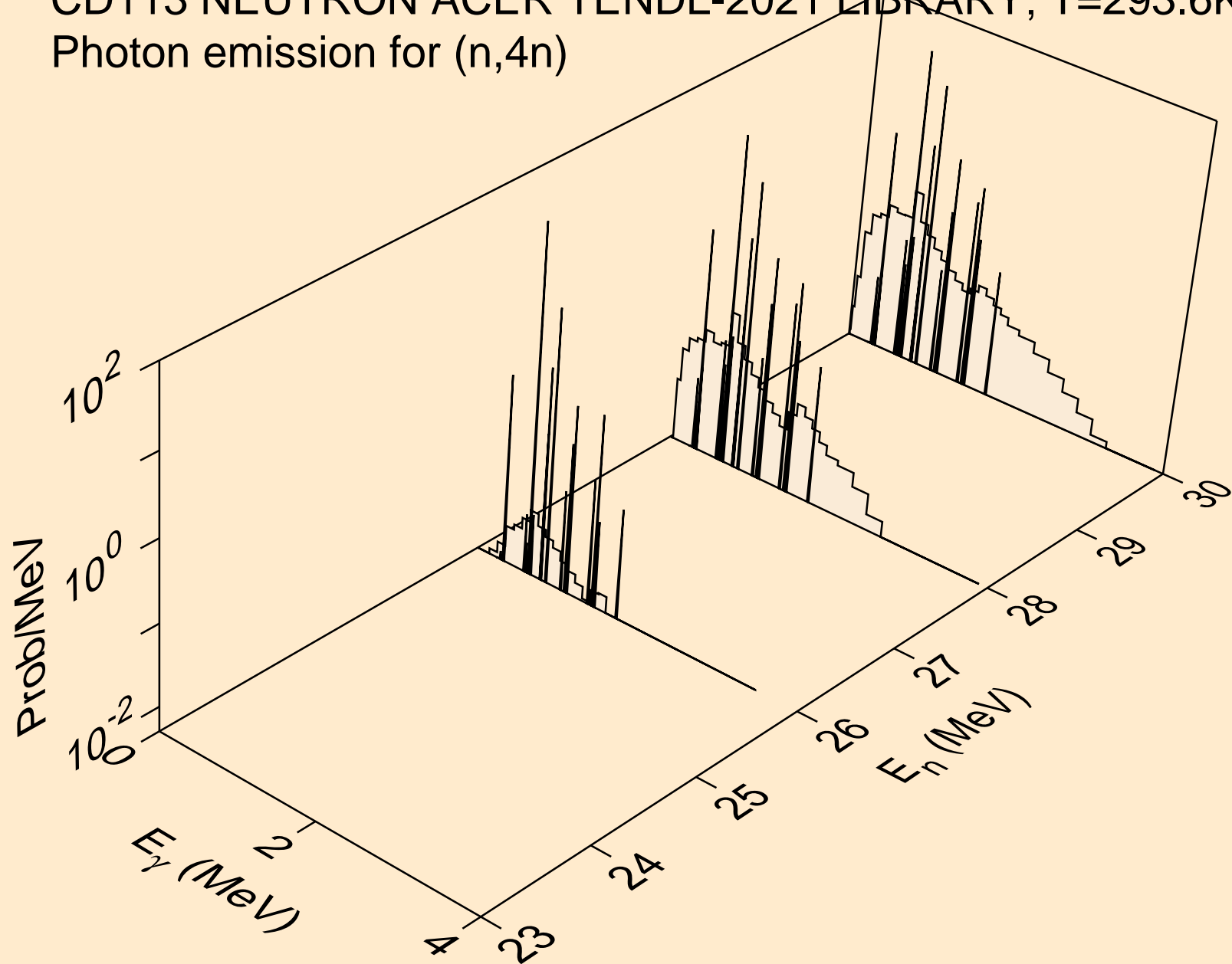




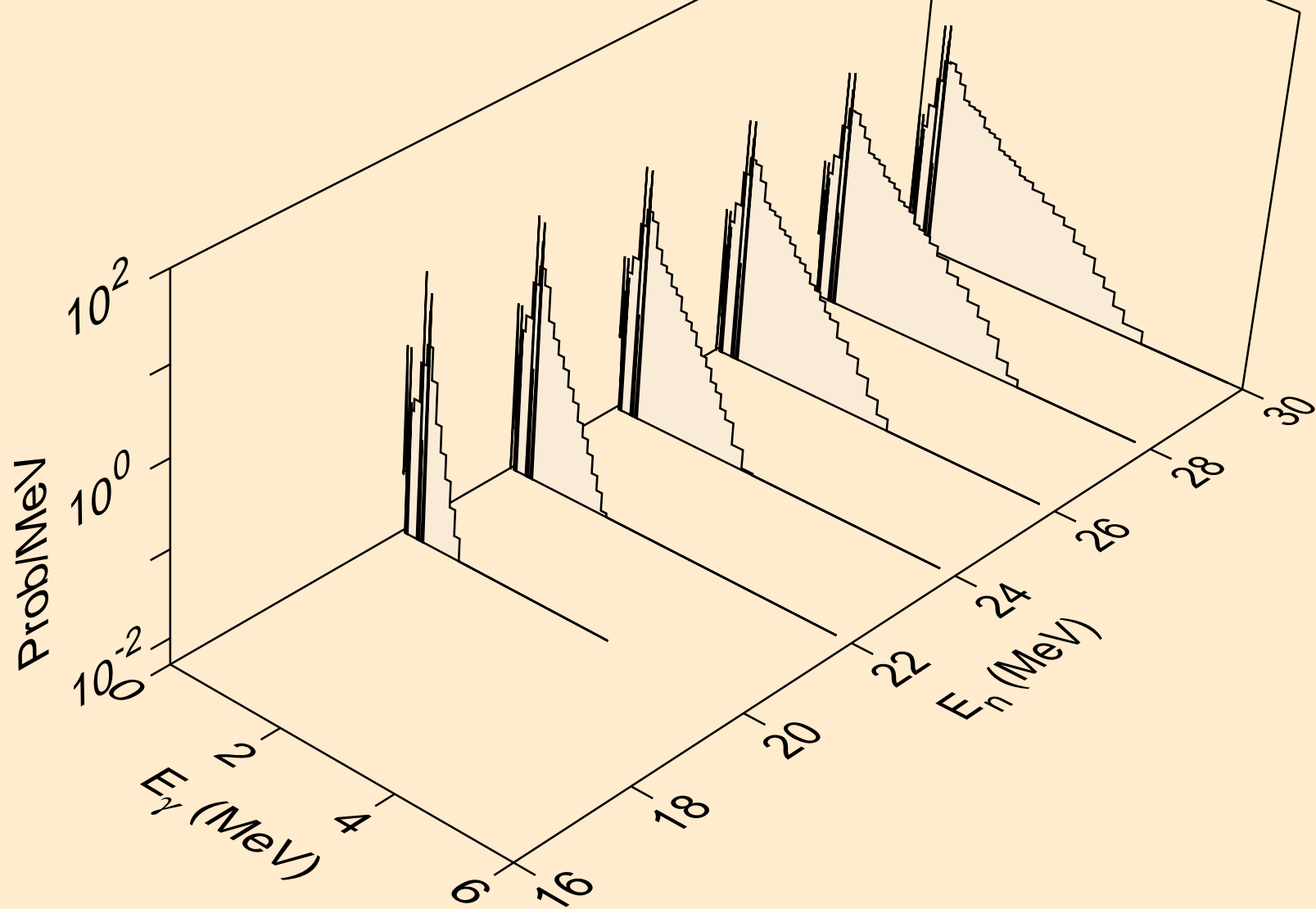
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



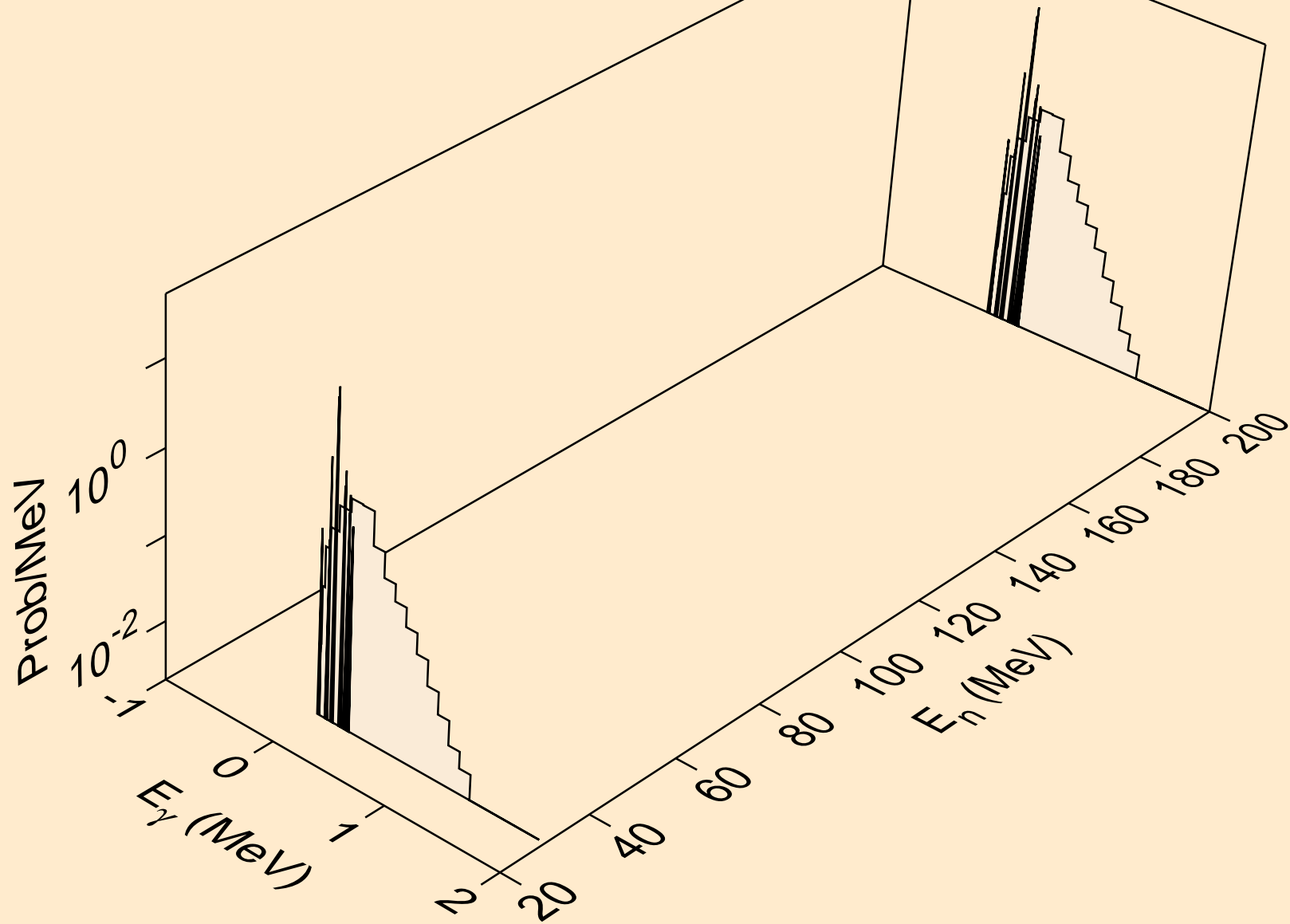
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,4n)



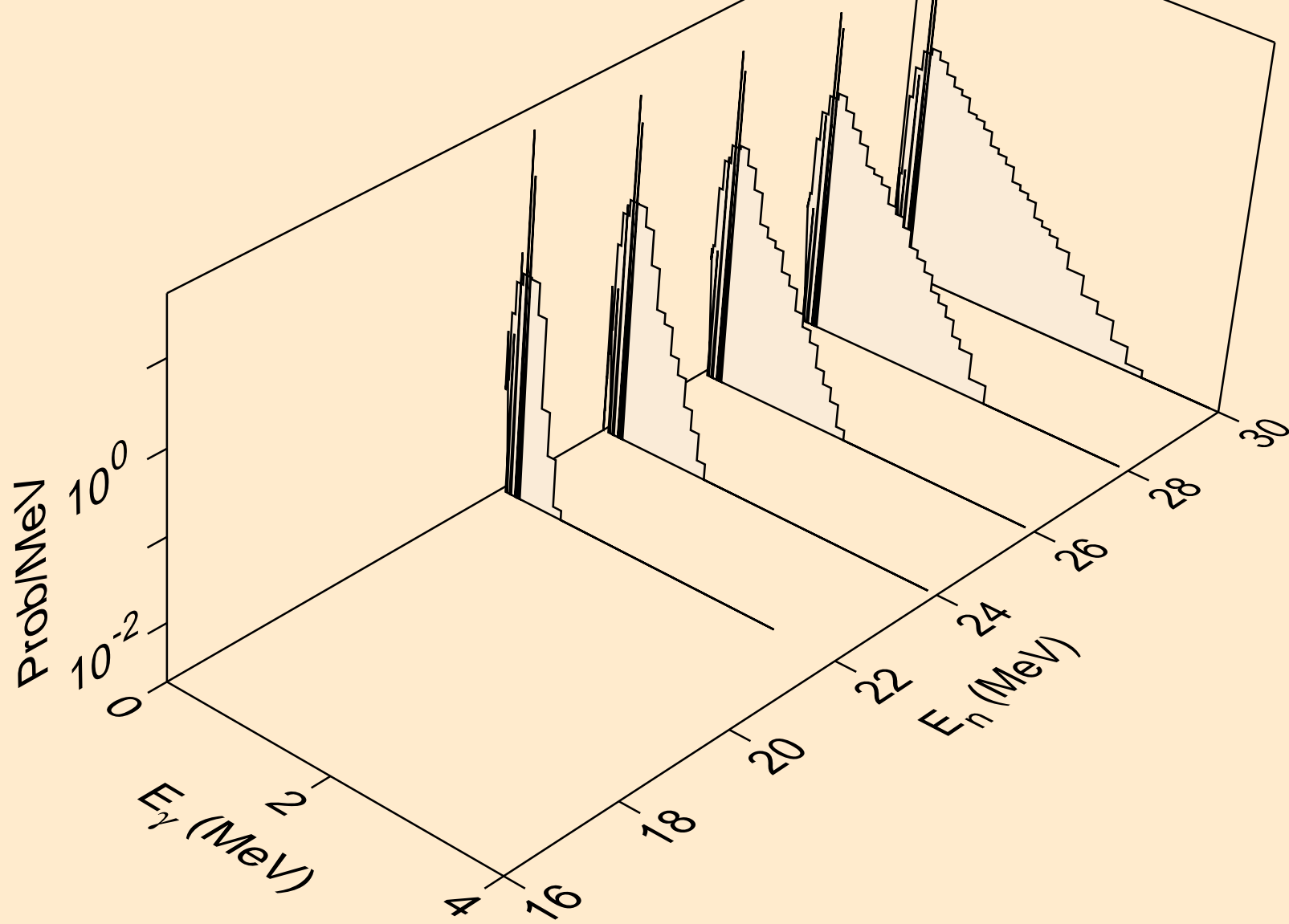
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Photon emission for (n,2np)



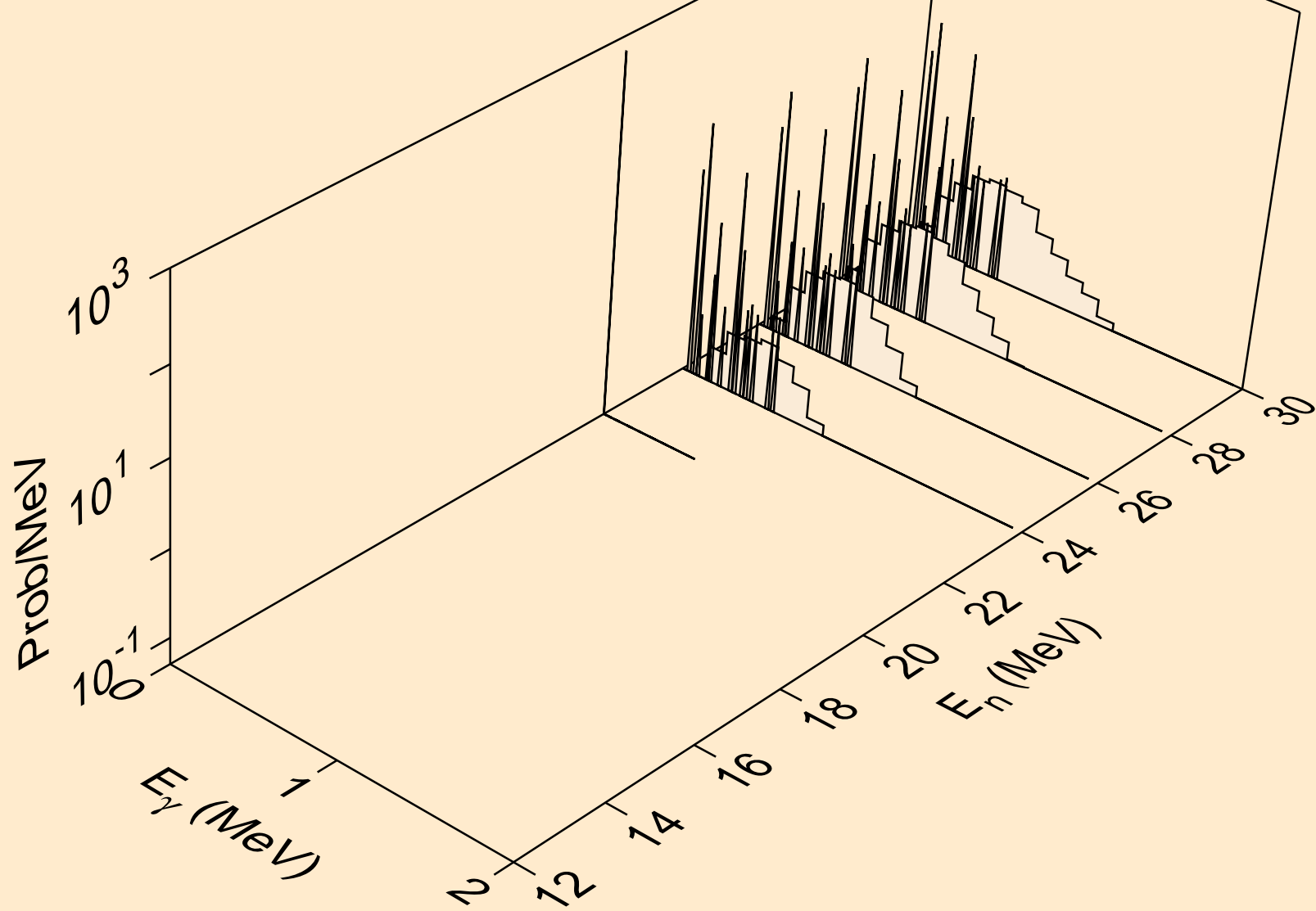
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Photon emission for (n,3np)



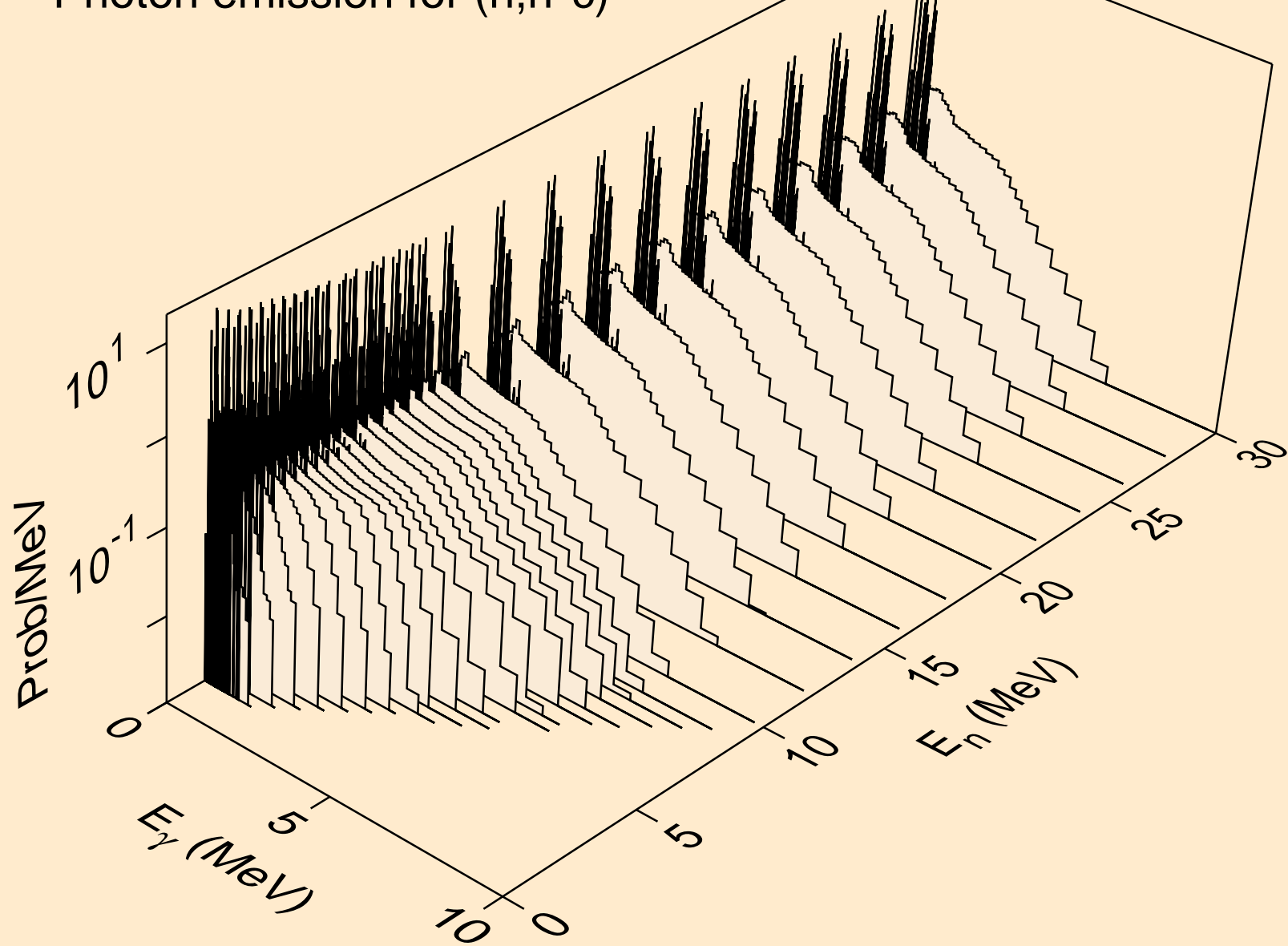
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Photon emission for (n,2np)



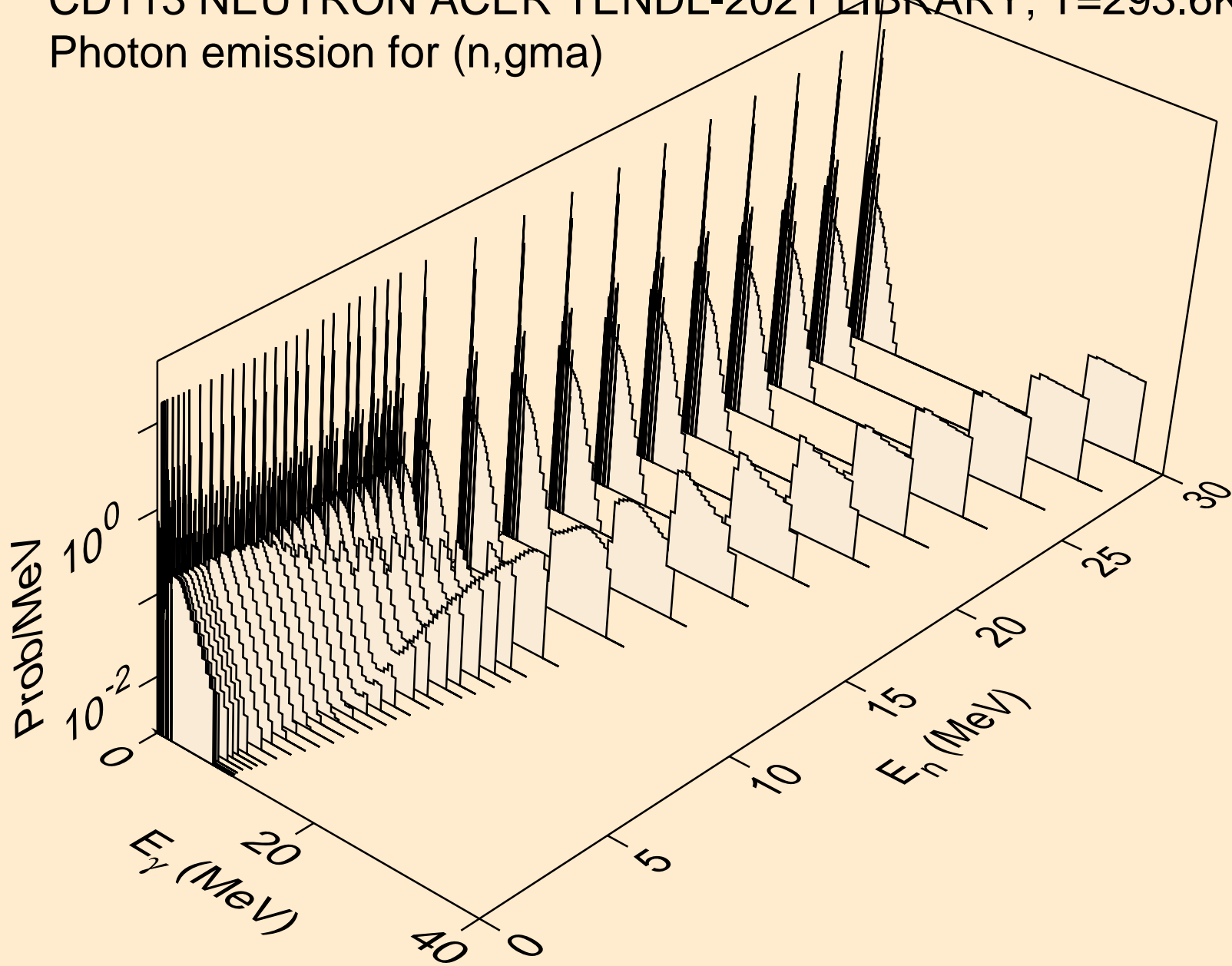
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,npa)



CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)

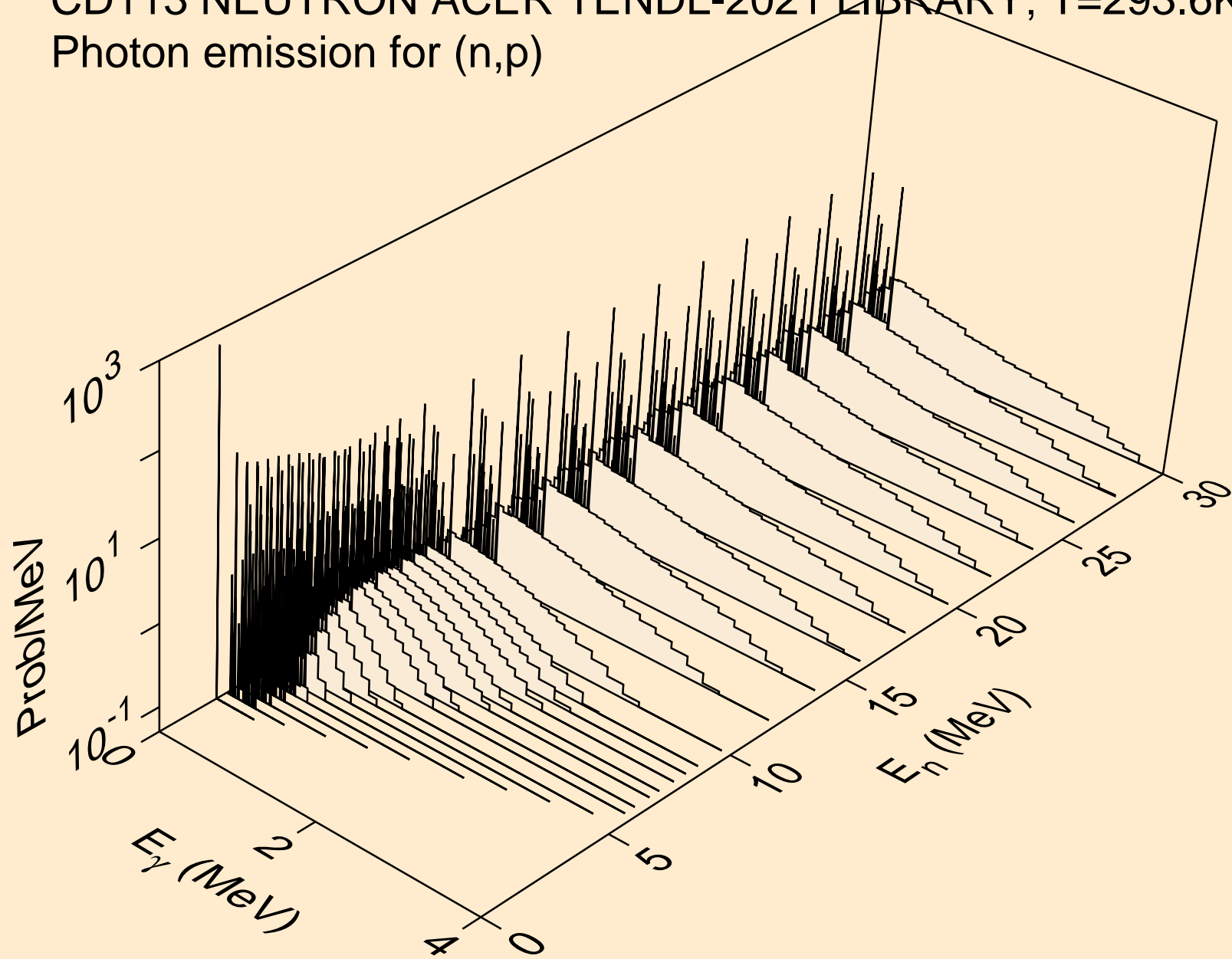


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Photon emission for (n,gma)

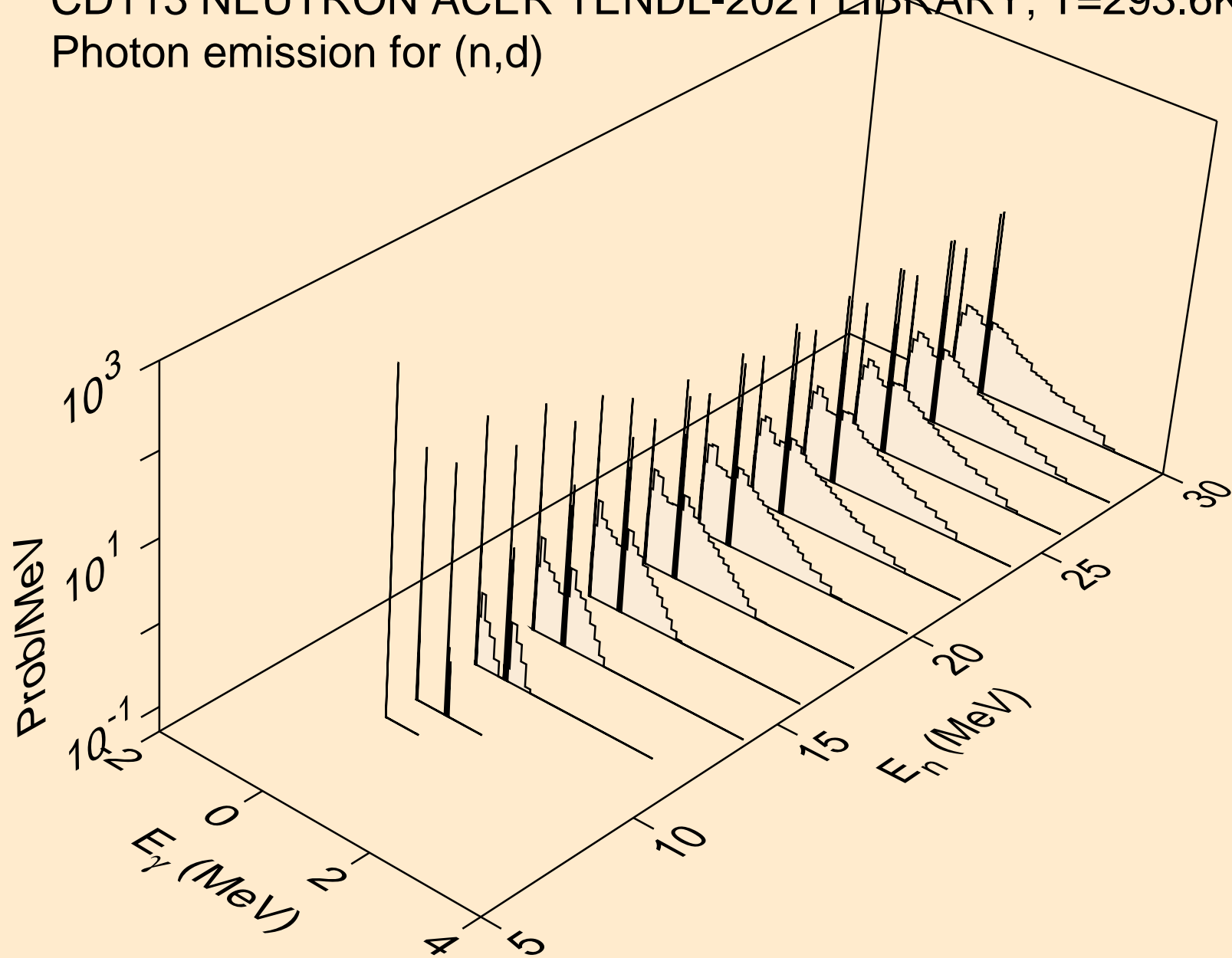




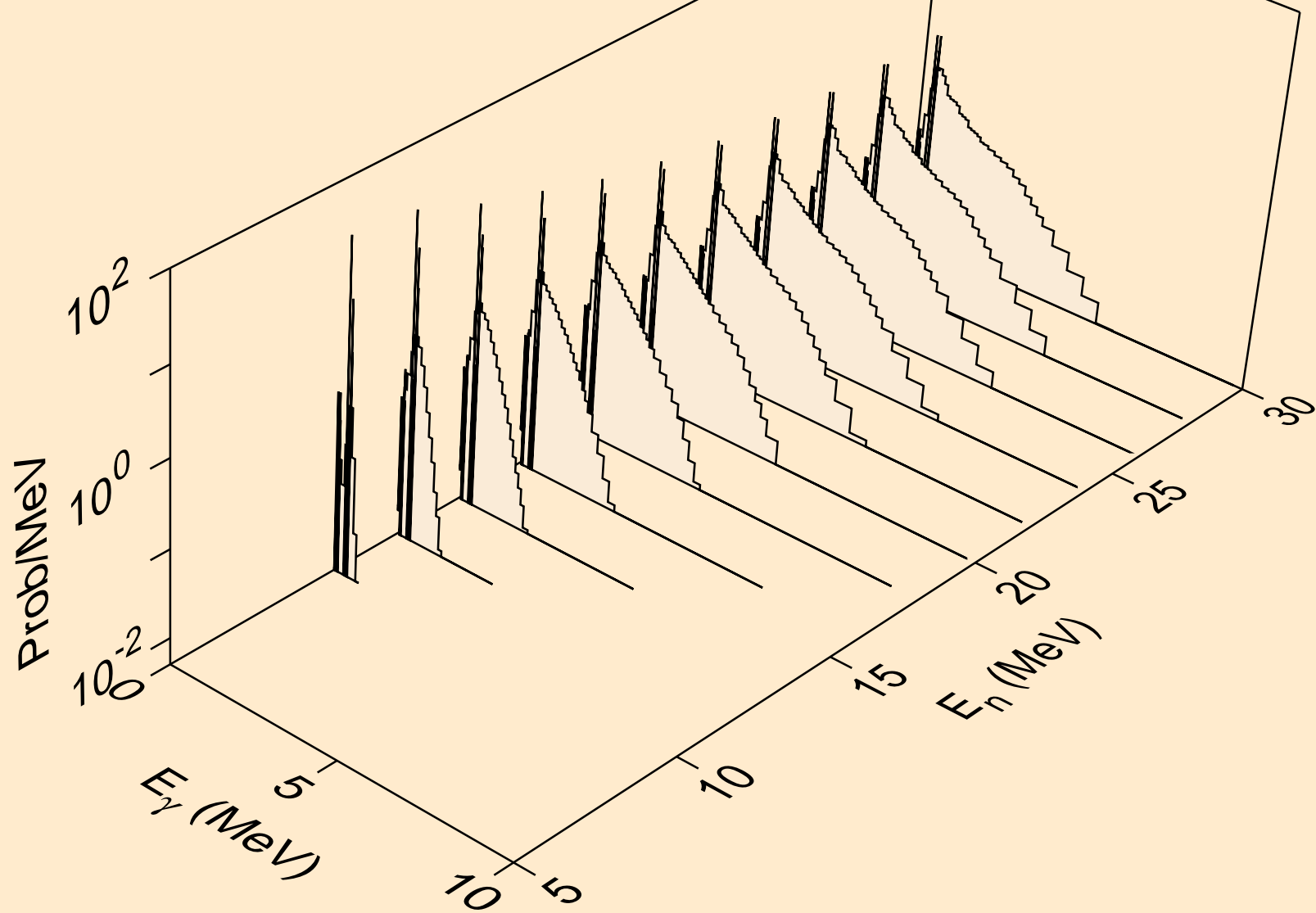
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Photon emission for (n,p)



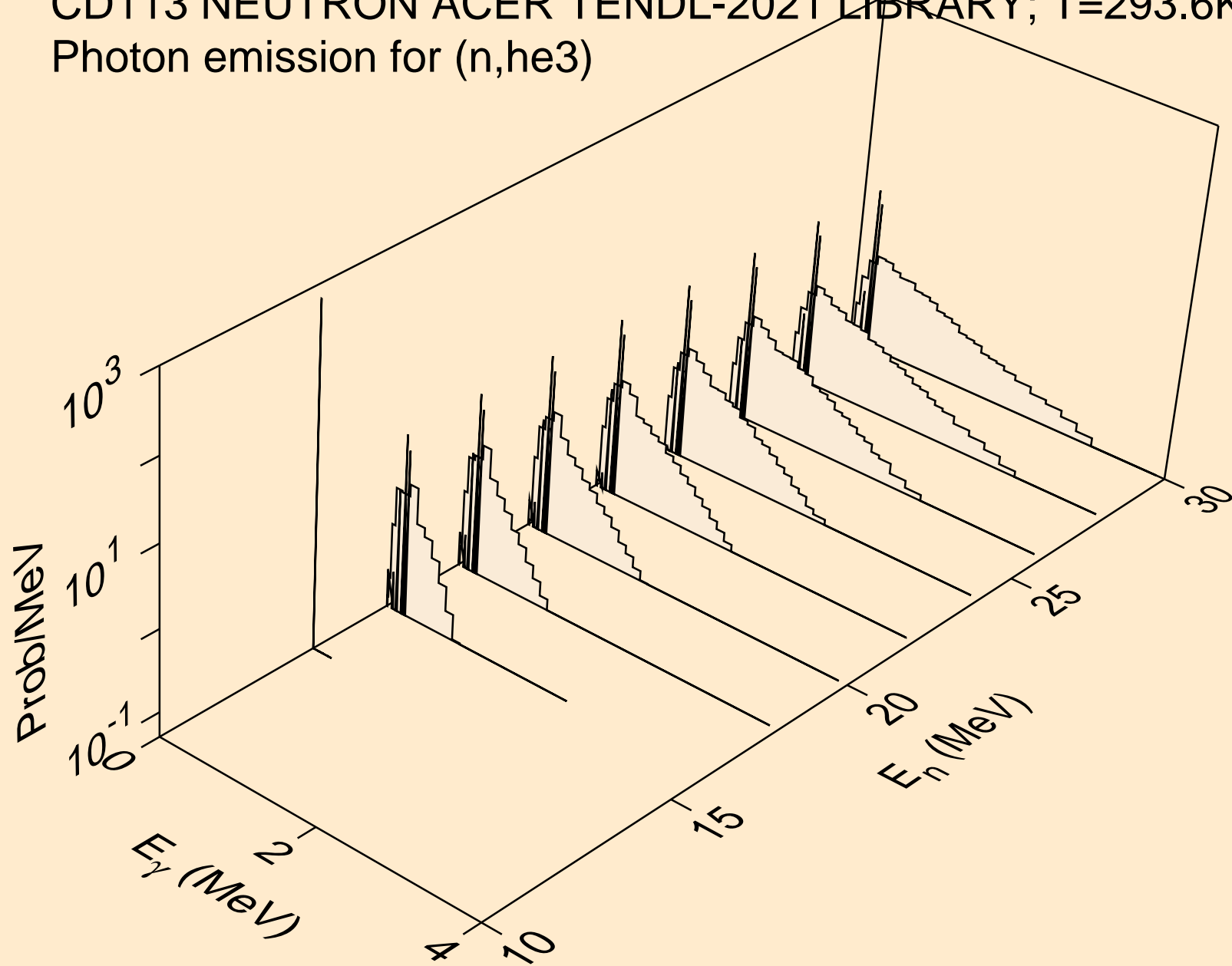
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Photon emission for (n,d)



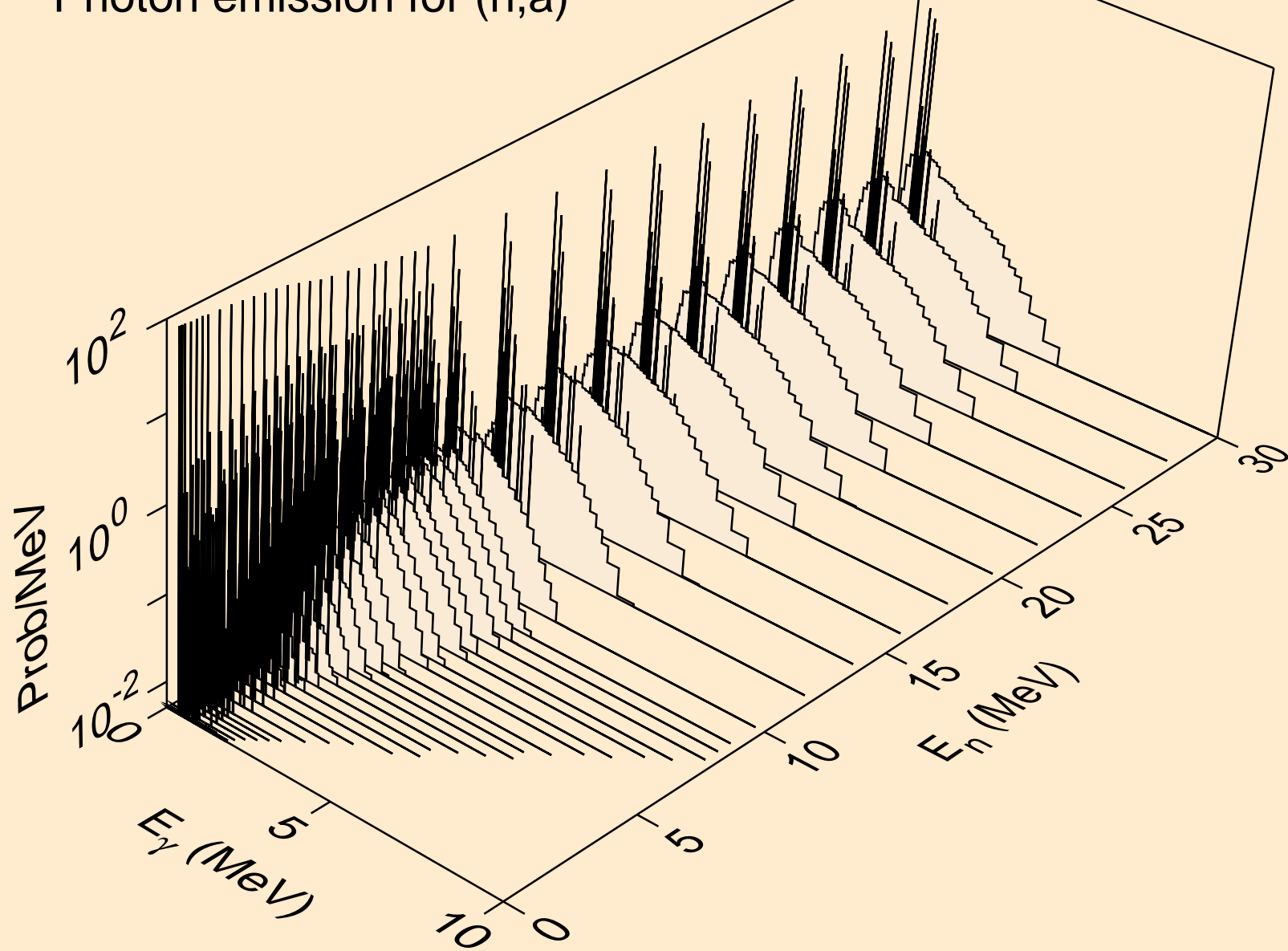
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Photon emission for (n,t)



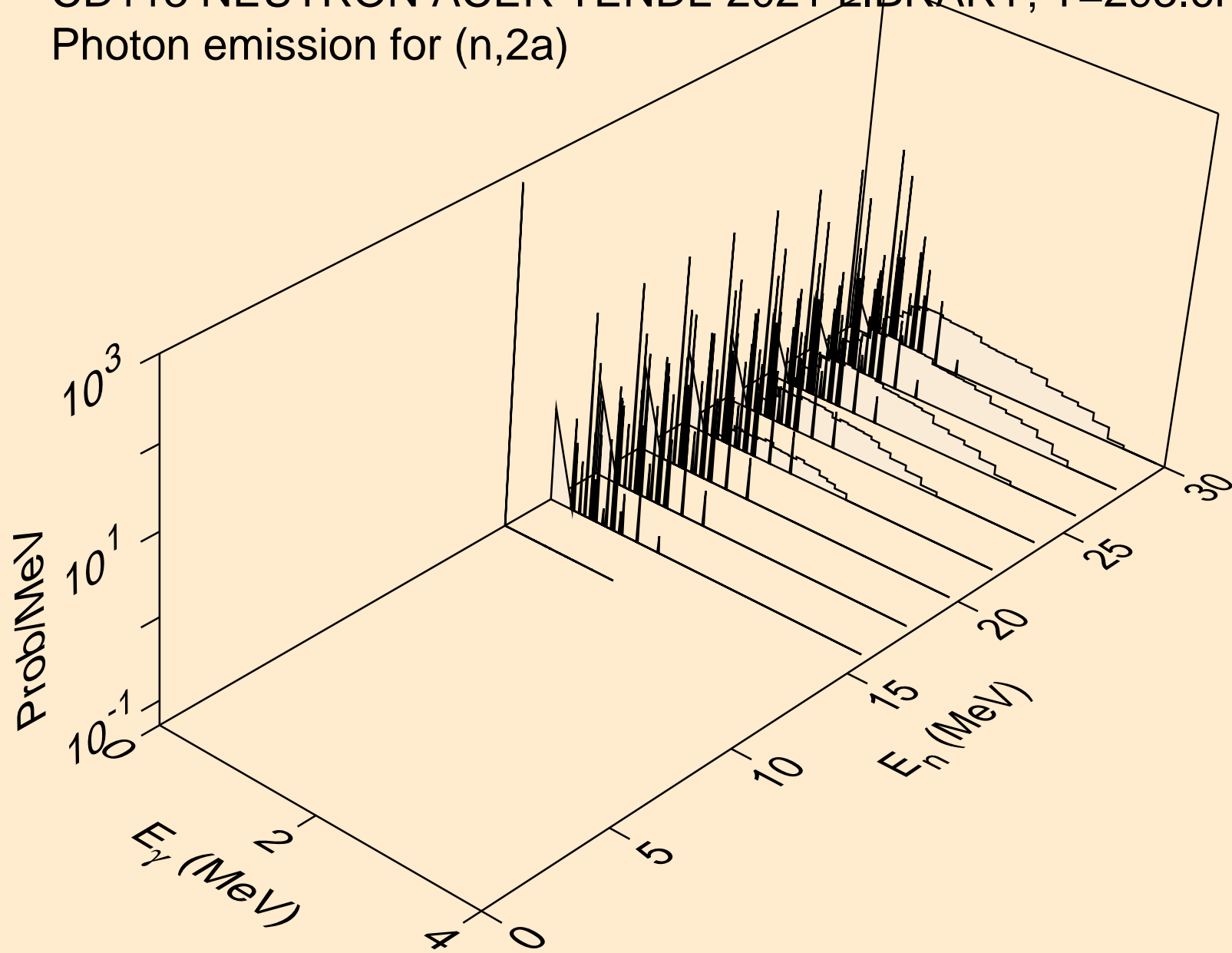
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Photon emission for (n,he3)



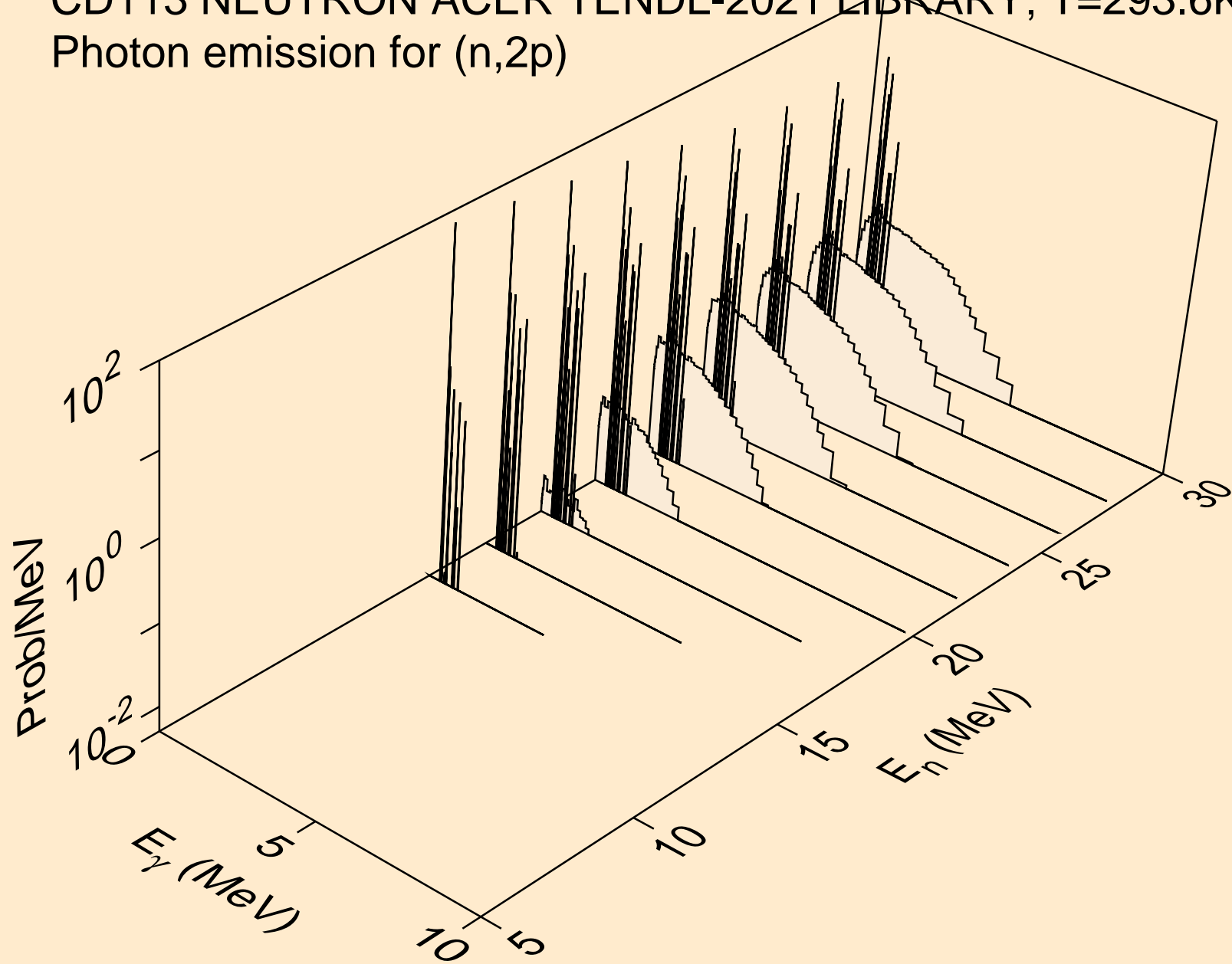
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Photon emission for (n,a)



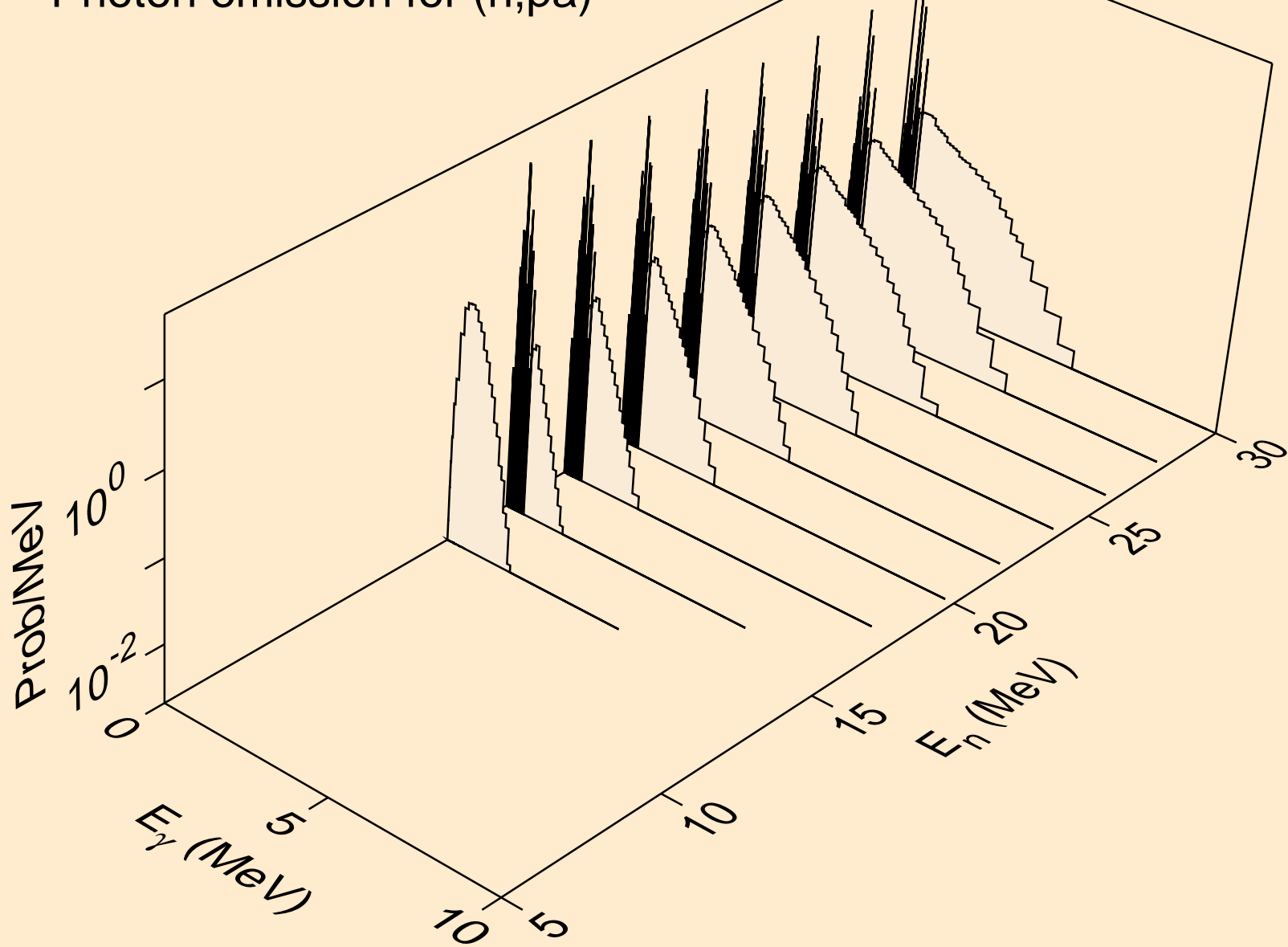
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2a)



CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2p)

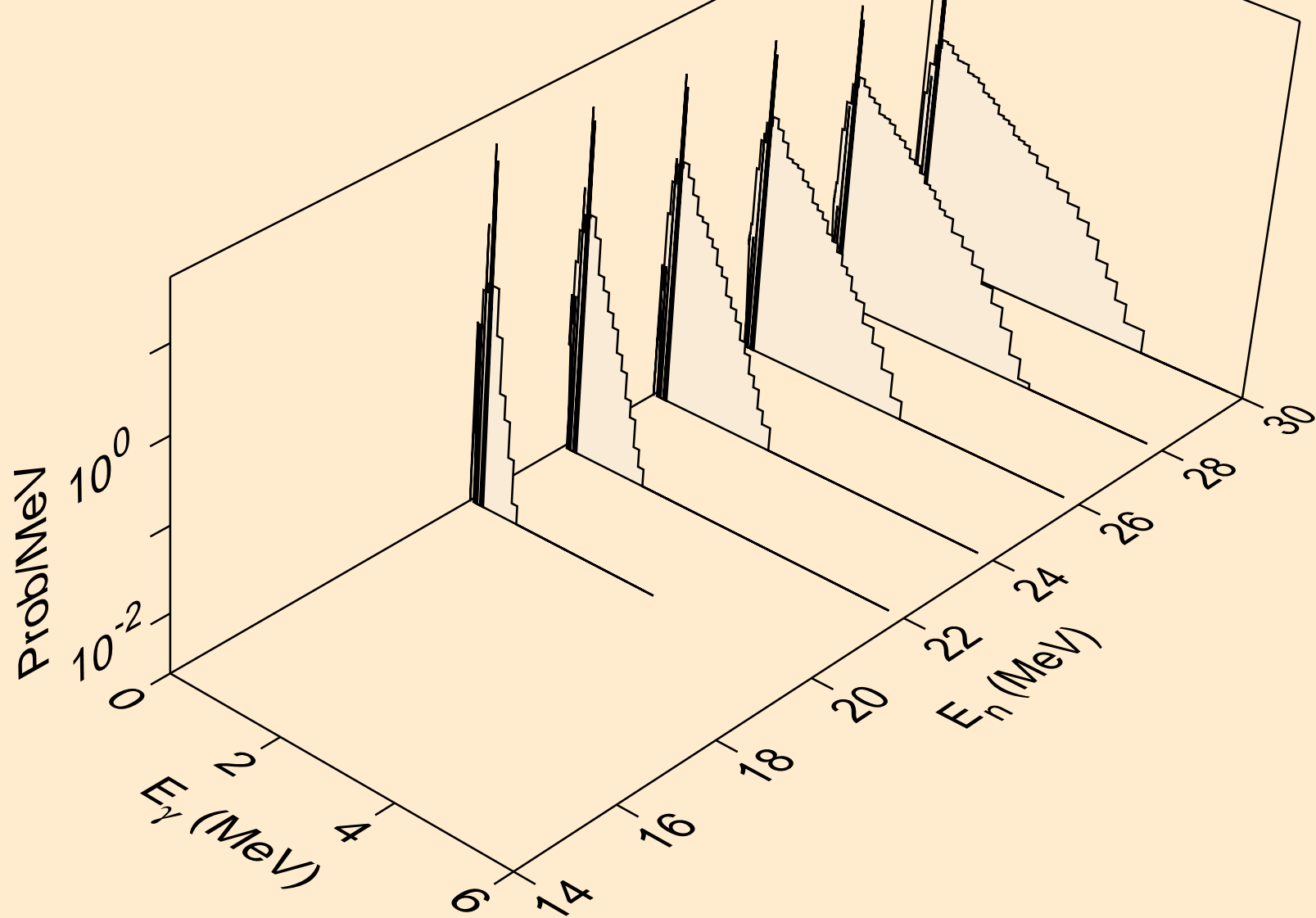


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Photon emission for (n,p)

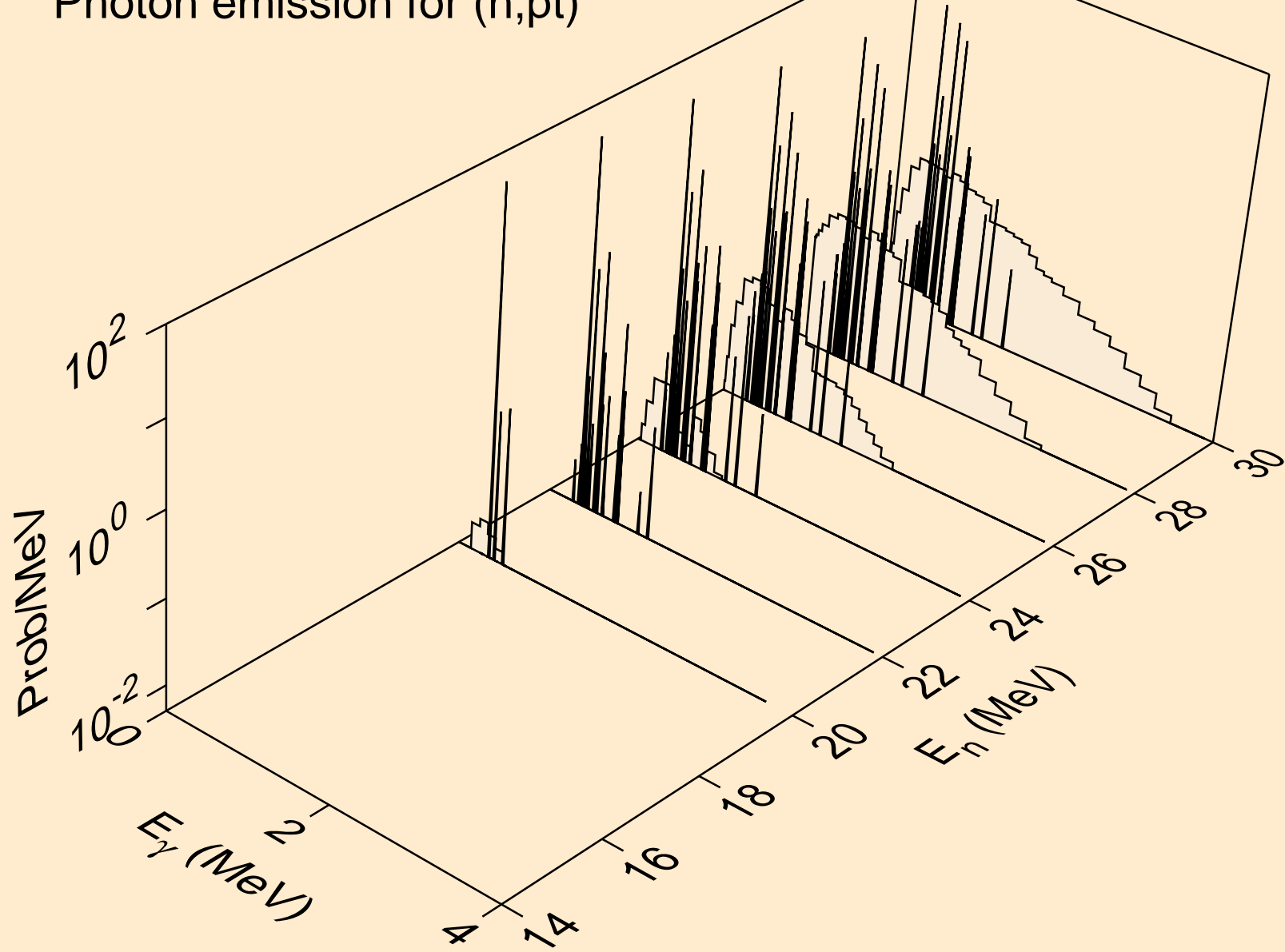




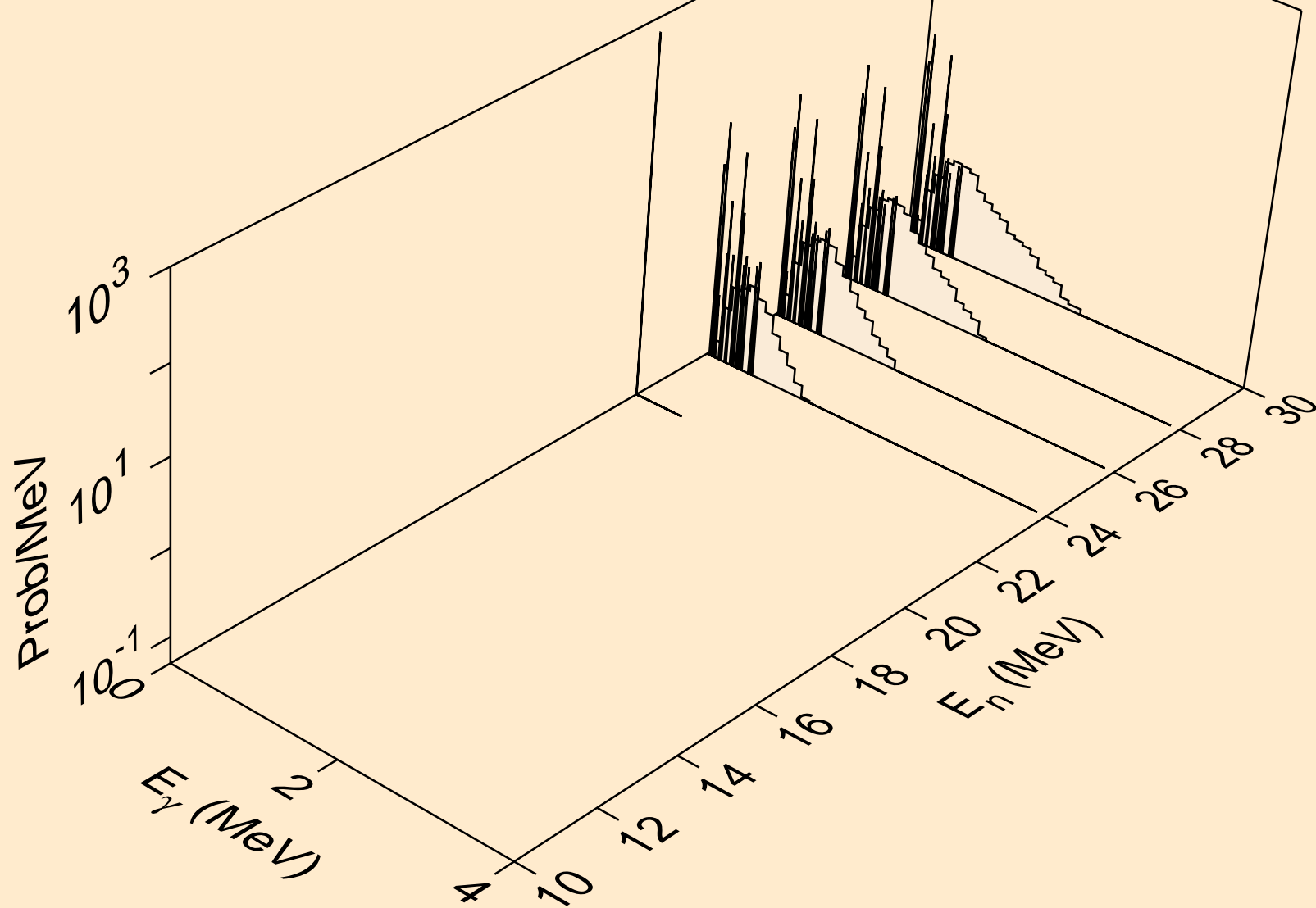
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Photon emission for (n,pd)



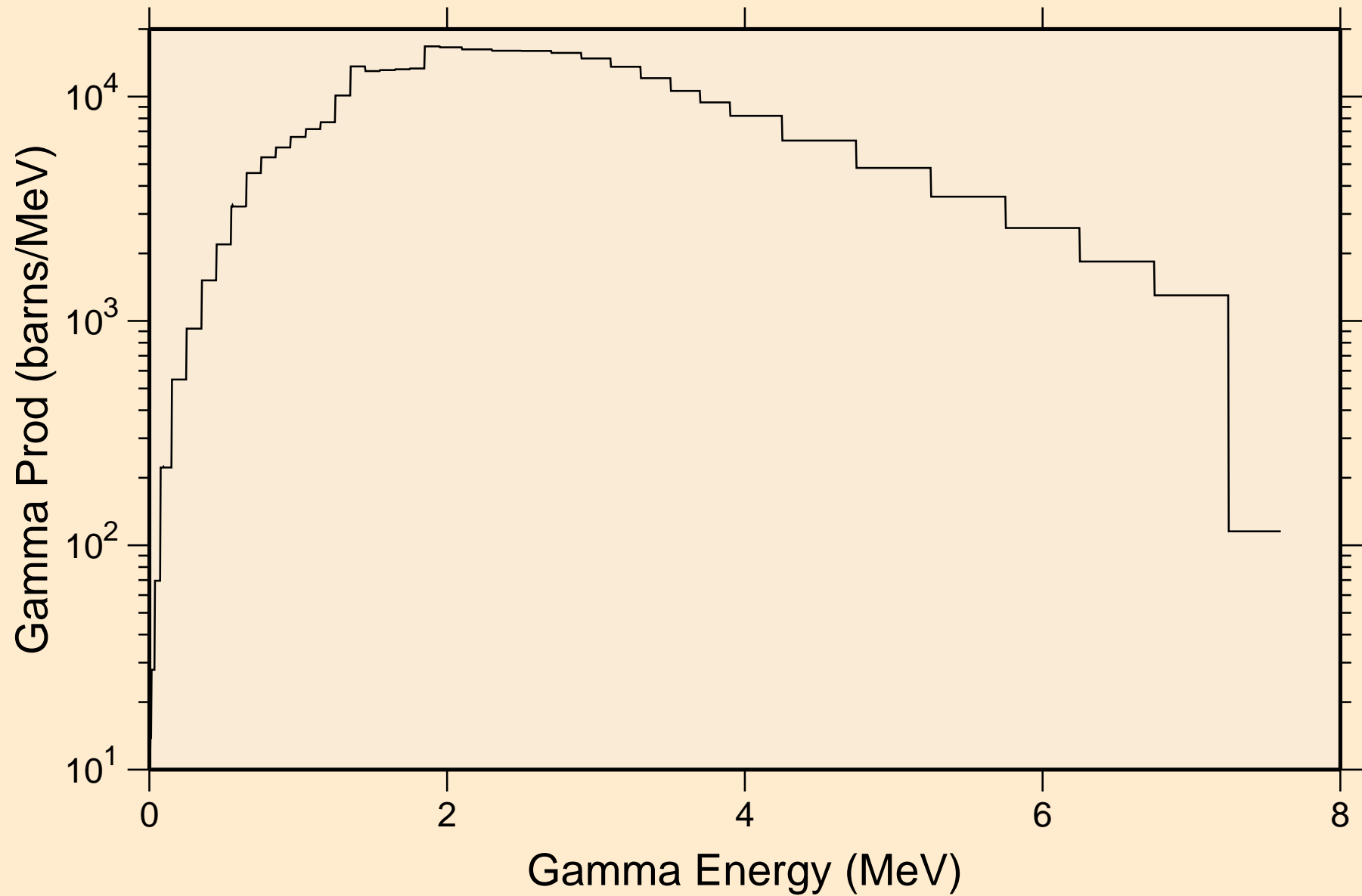
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Photon emission for (n,pt)



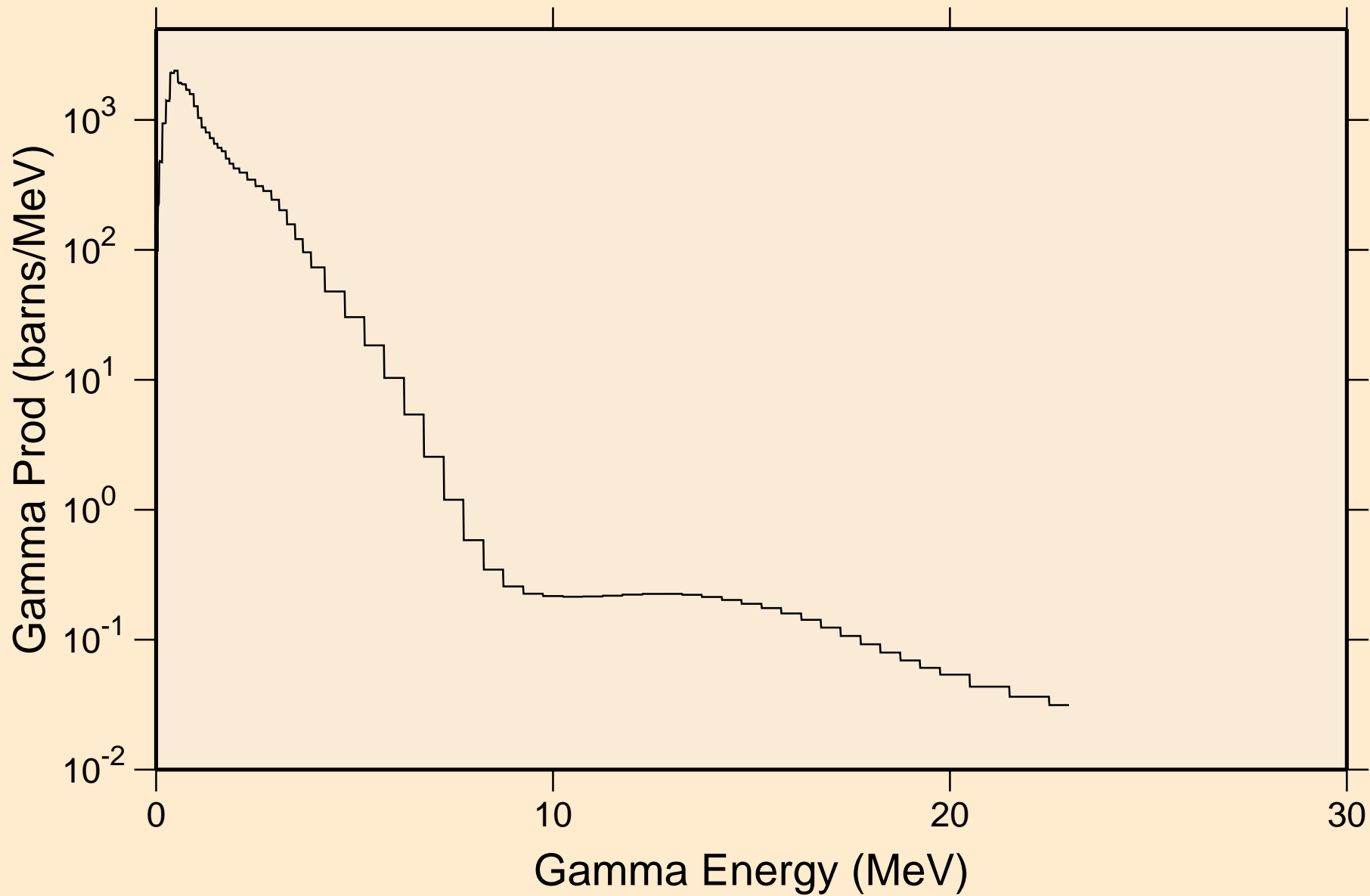
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,da)



CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum

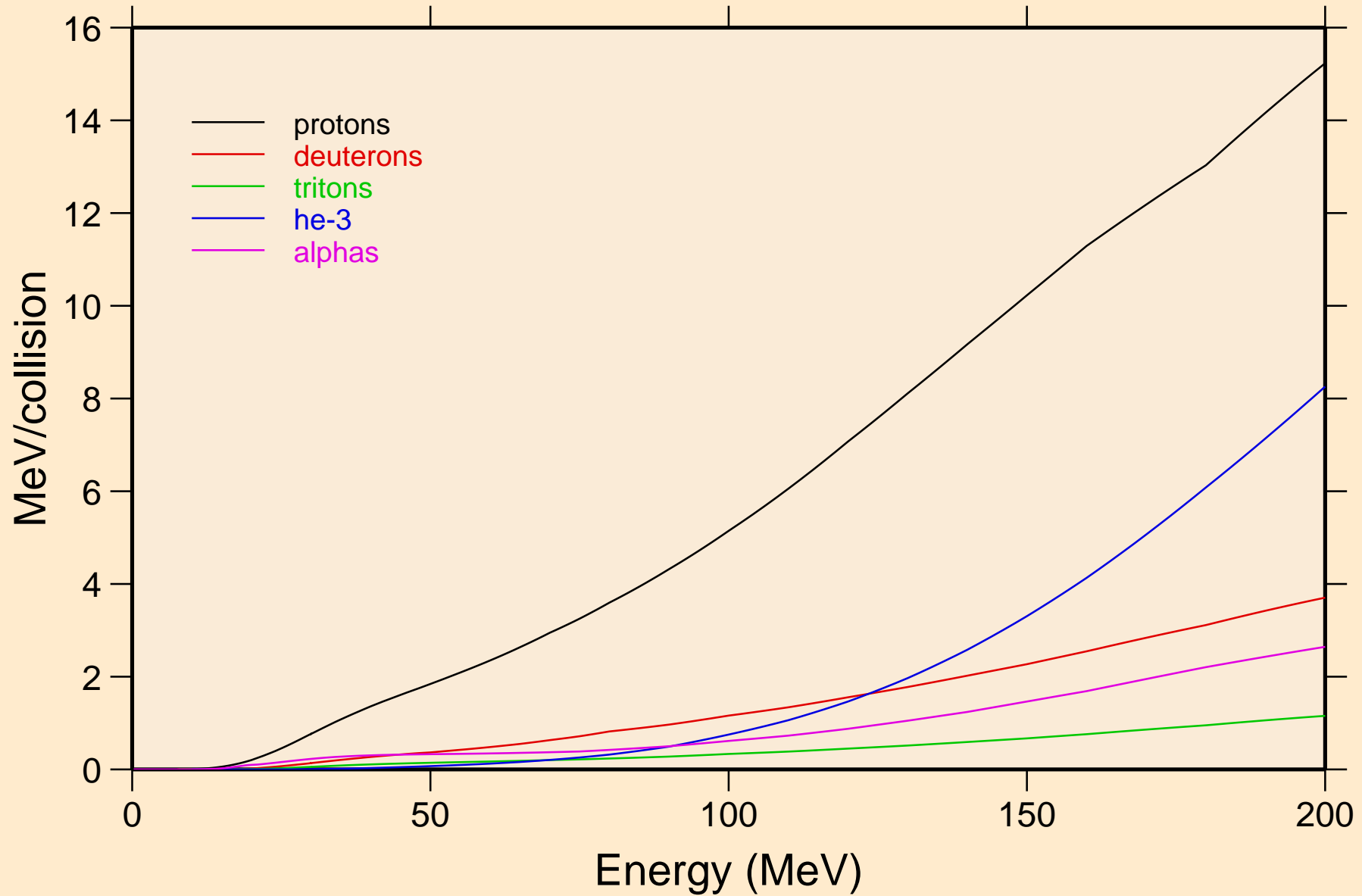


CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
14 MeV photon spectrum

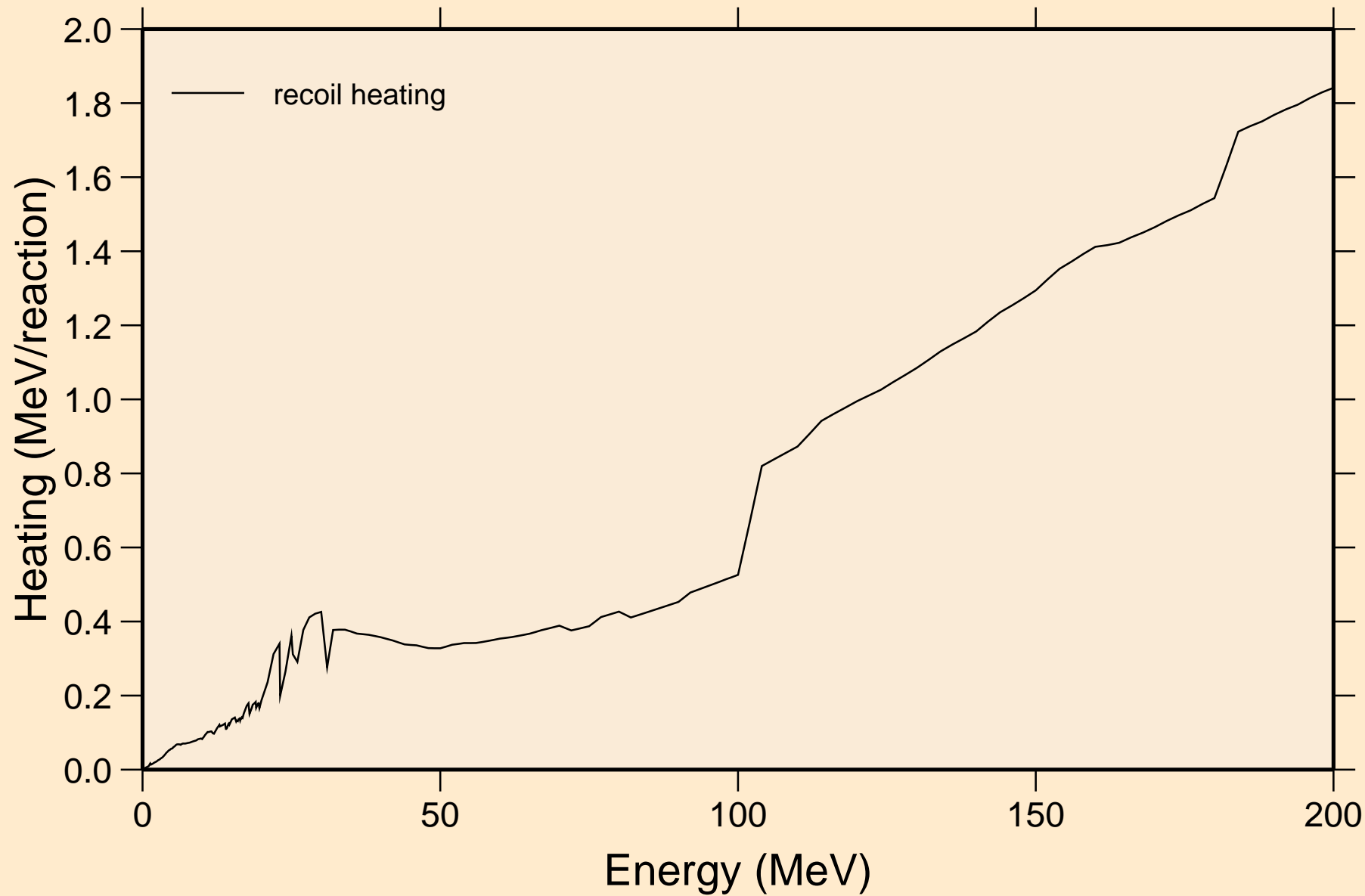


# CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

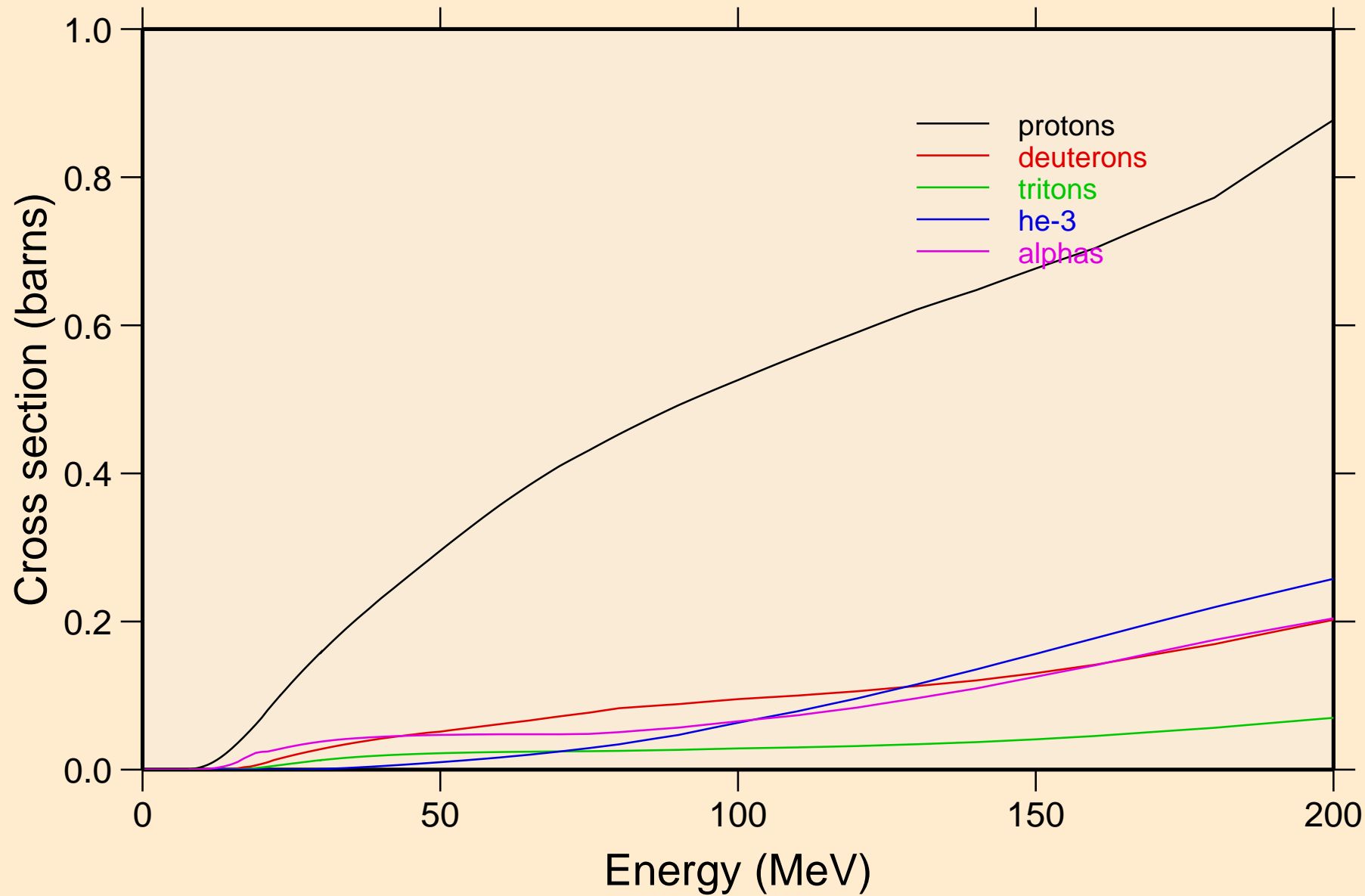
## Particle heating contributions



CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Recoil Heating

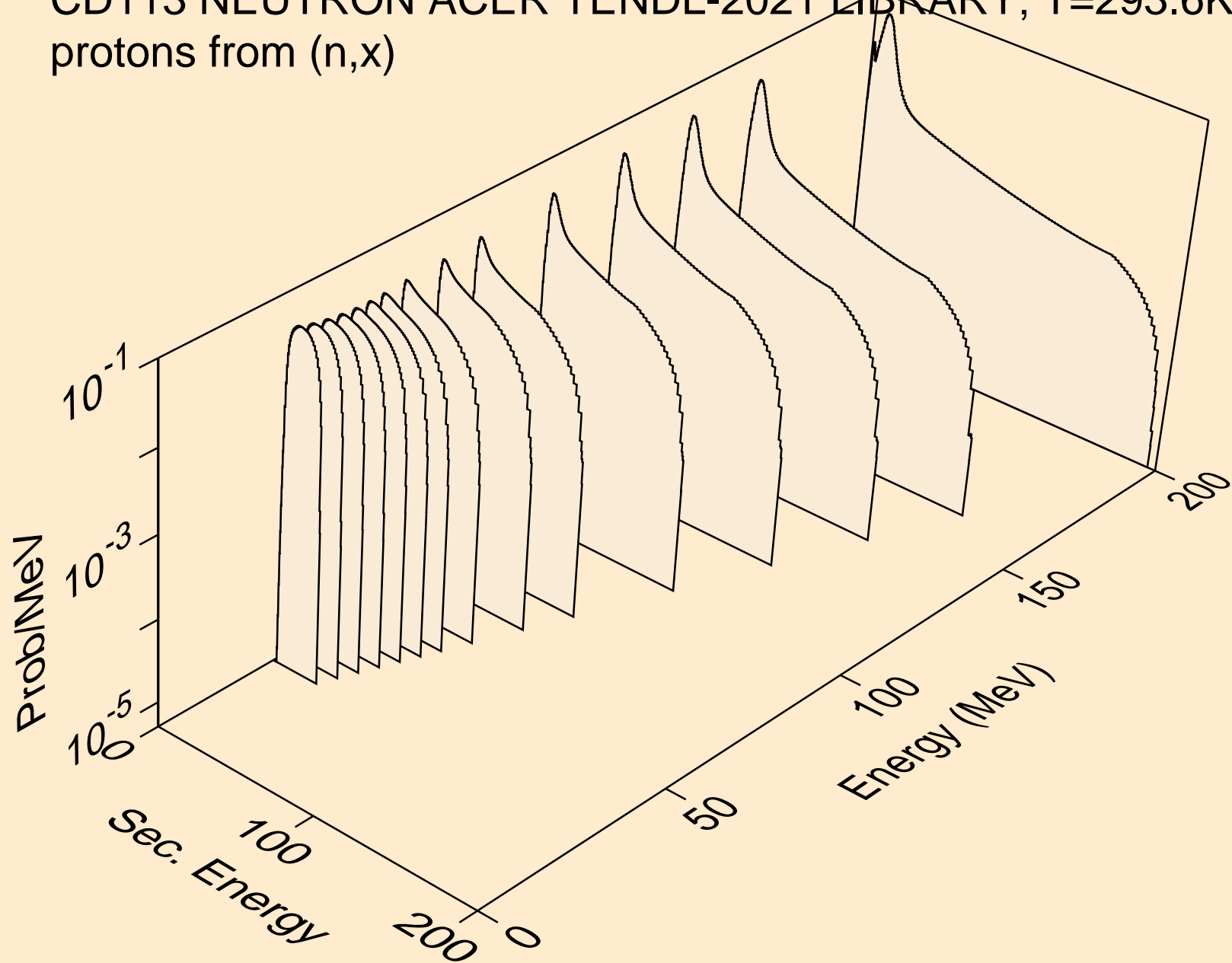


CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle production cross sections

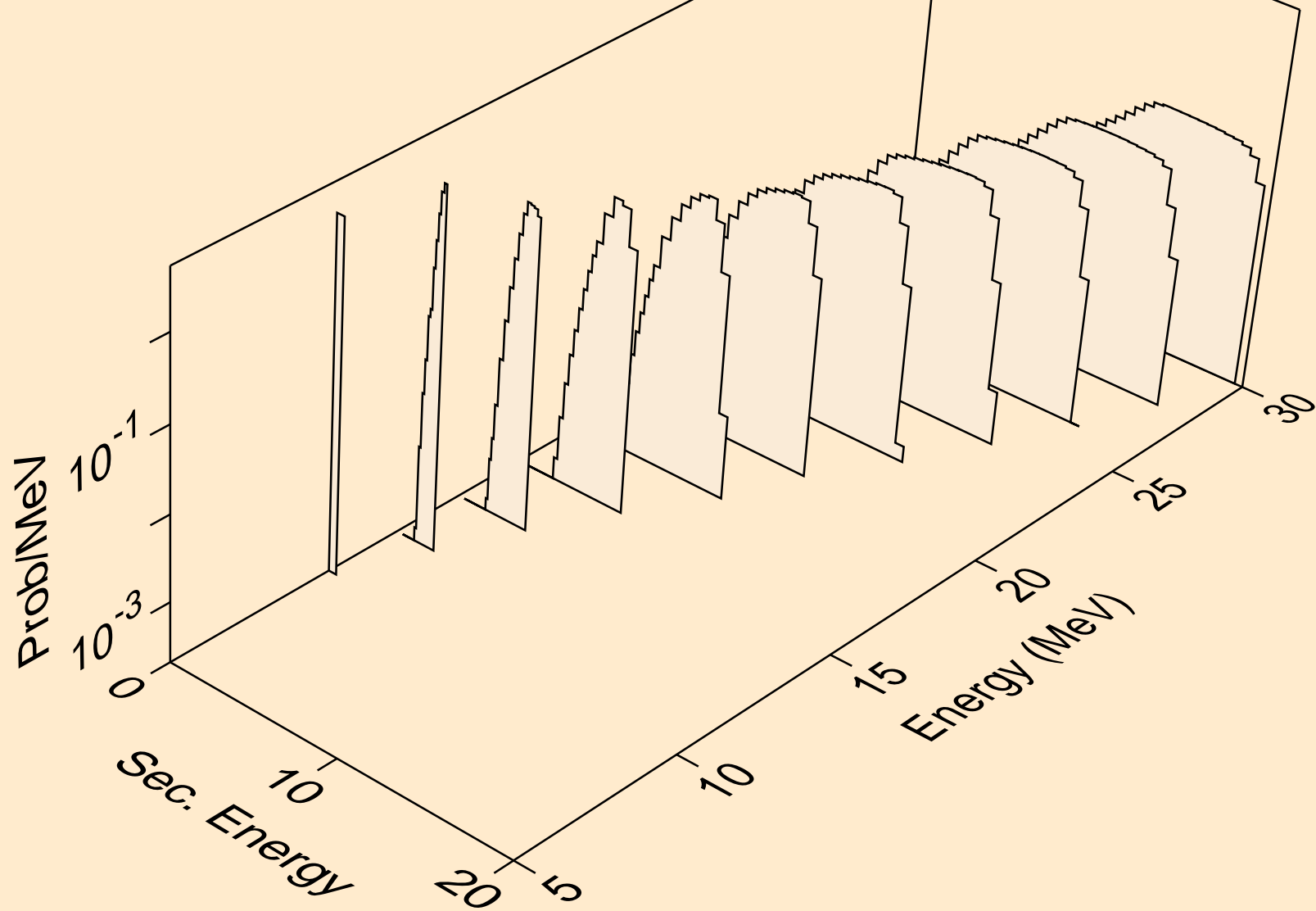




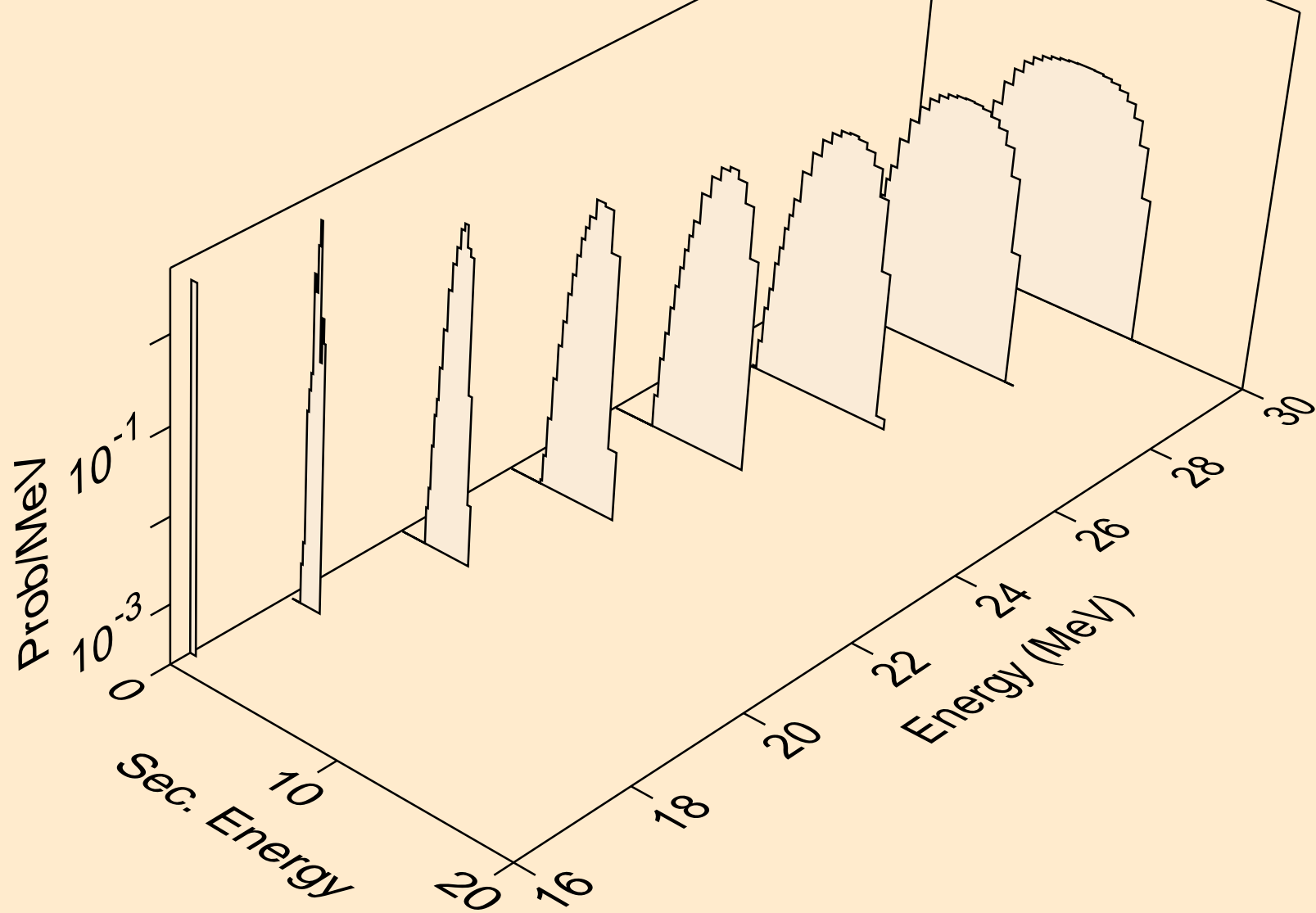
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)



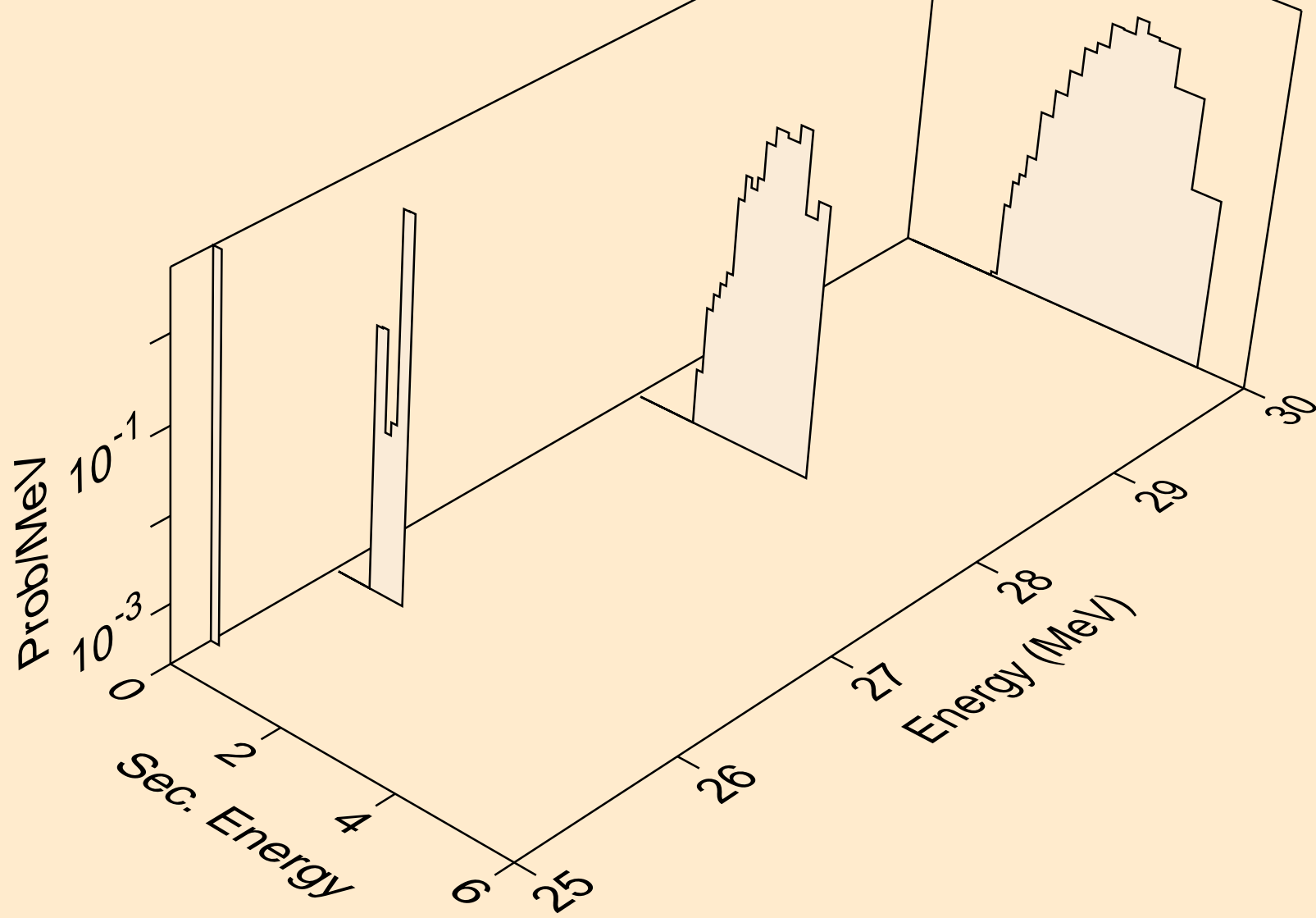
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,n\*)p



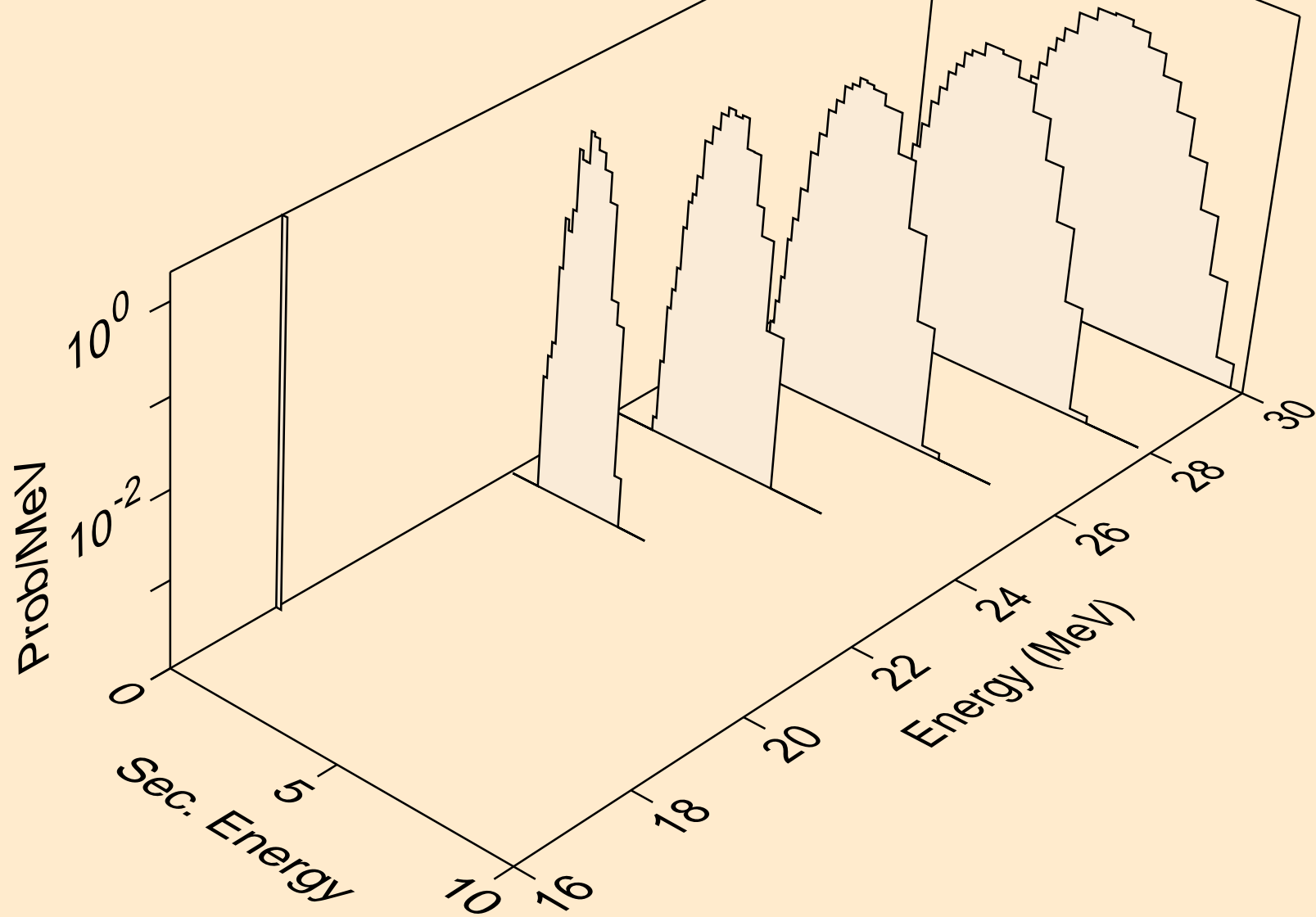
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protons from (n,2np)



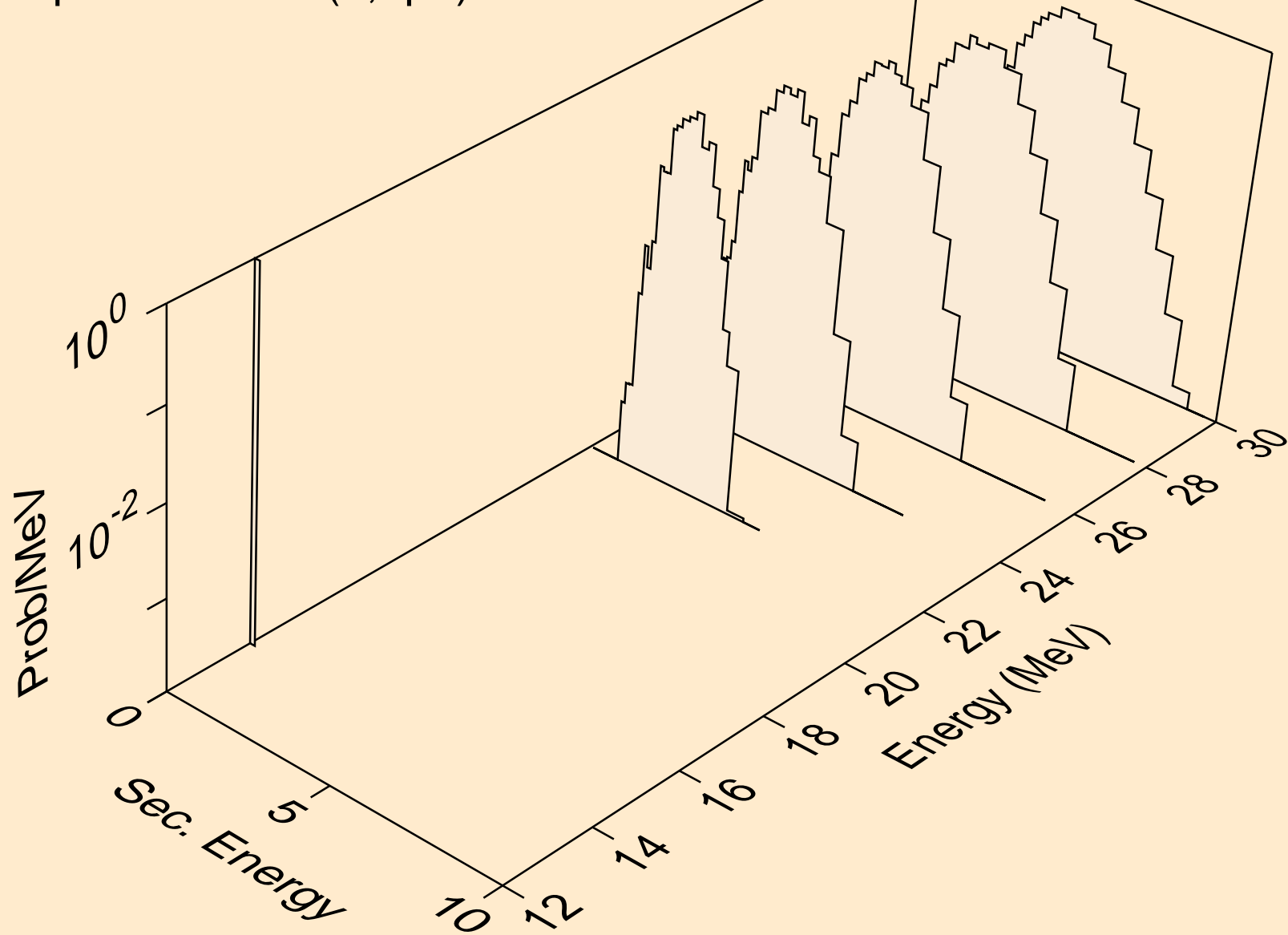
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protons from (n,3np)



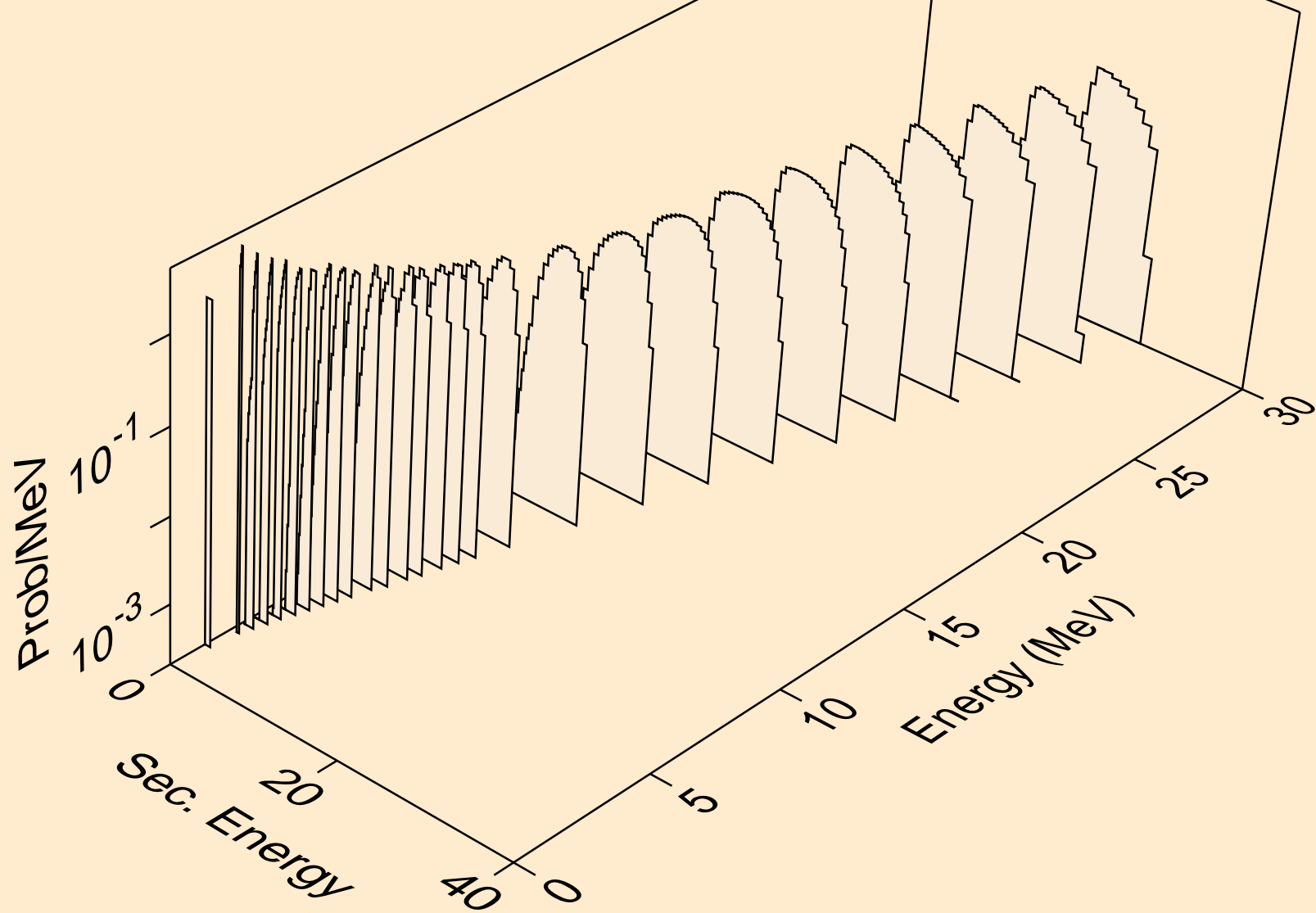
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protons from (n,2np)



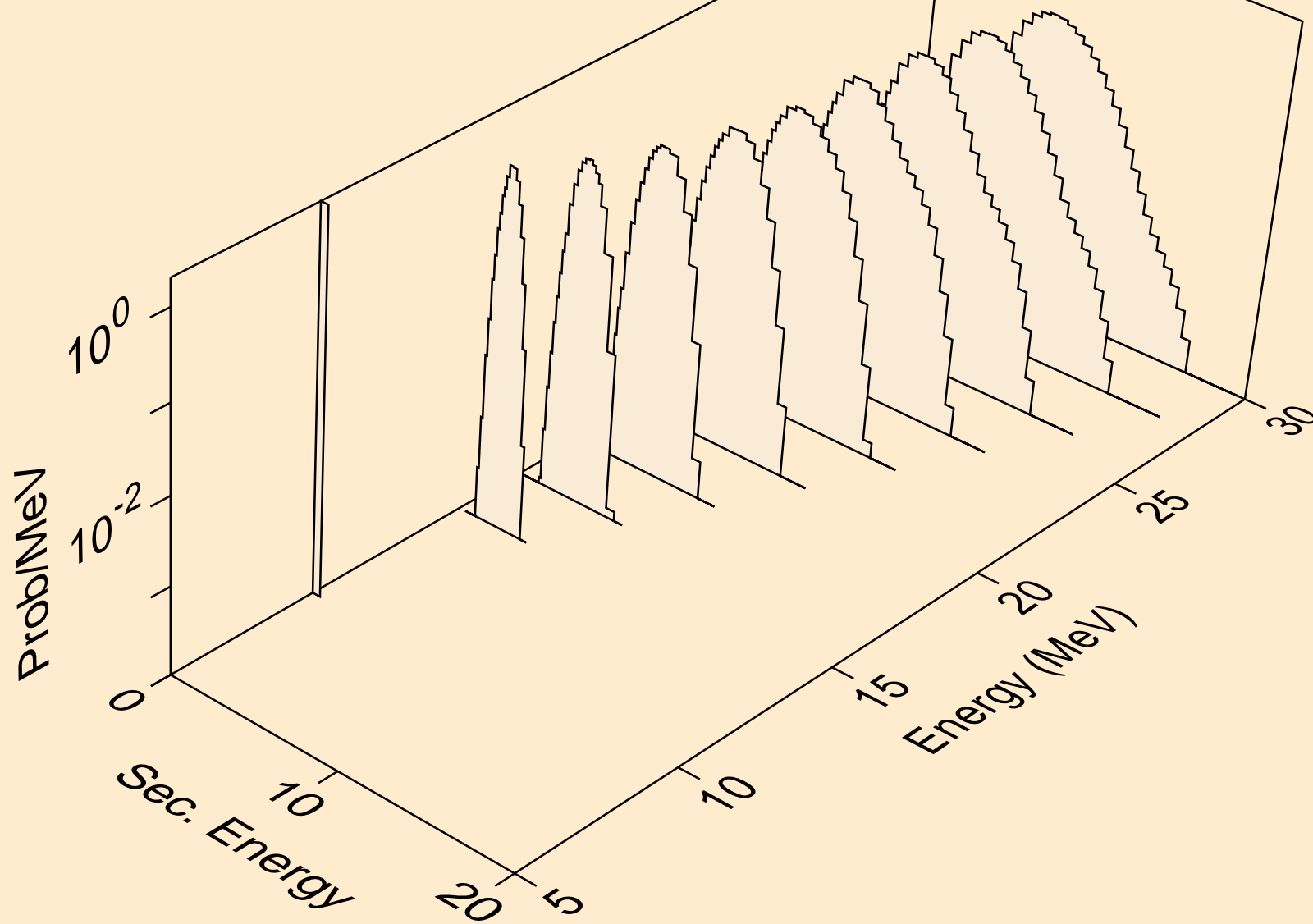
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protons from (n,npa)



CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,p)

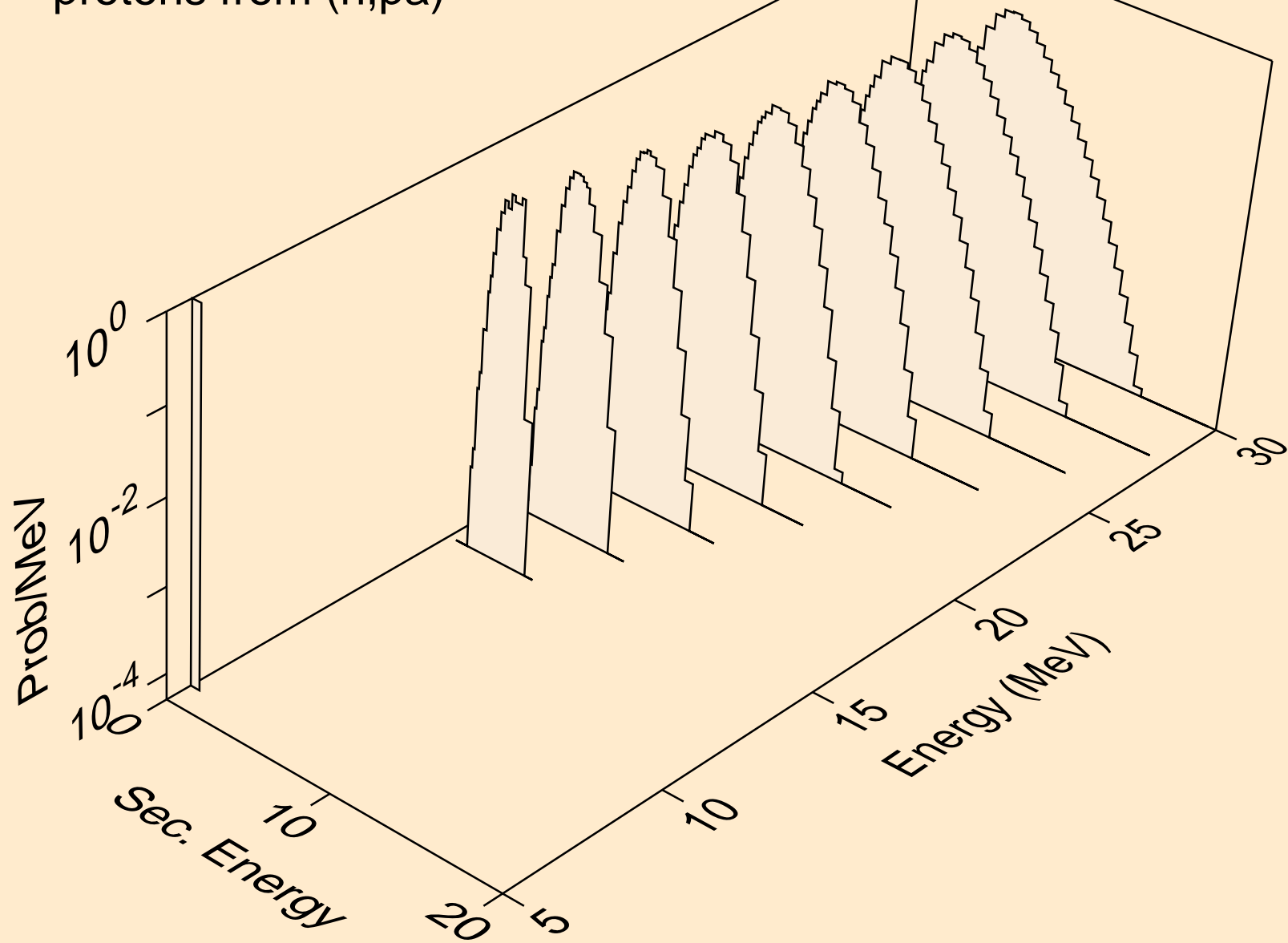


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protons from (n,2p)

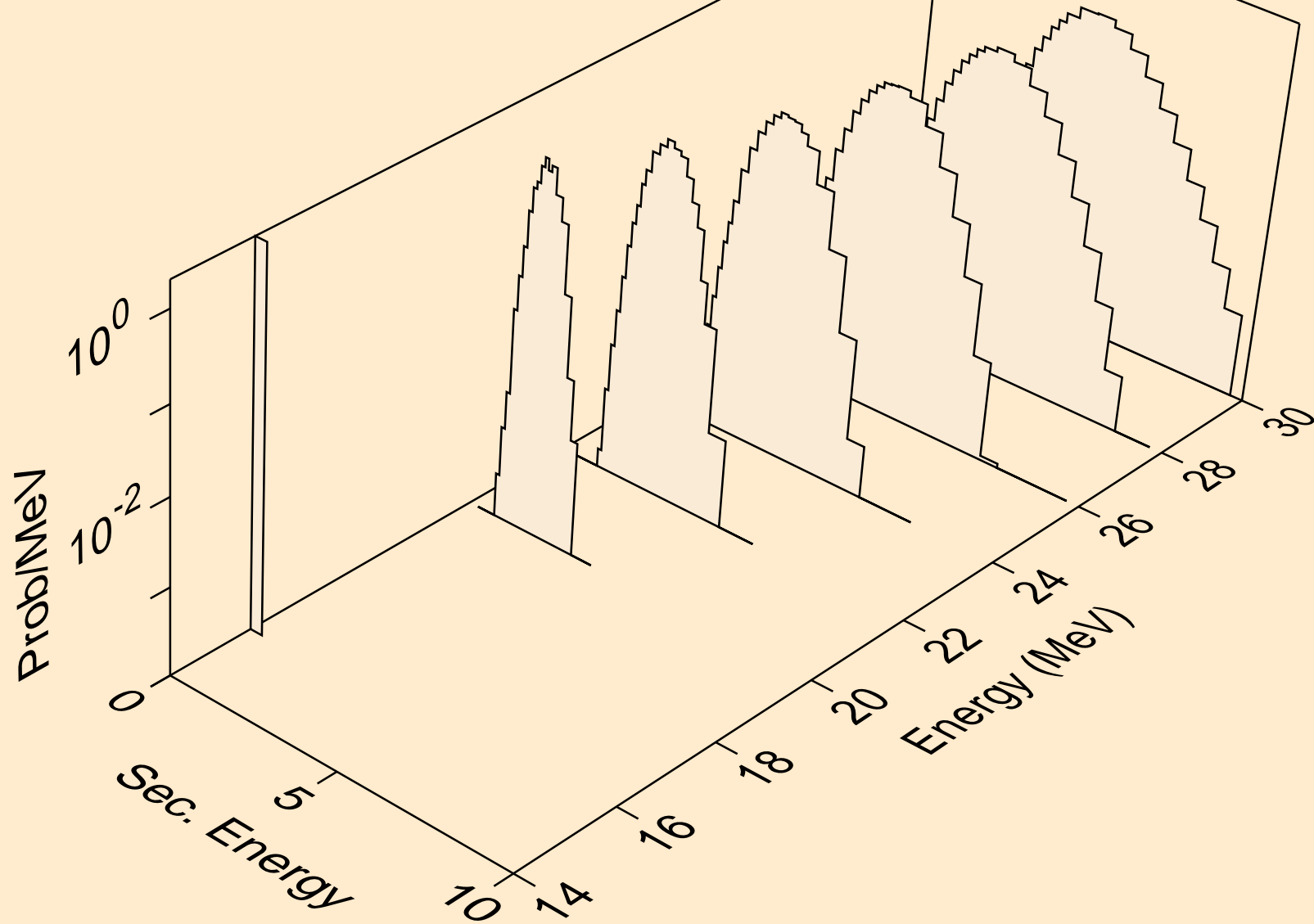




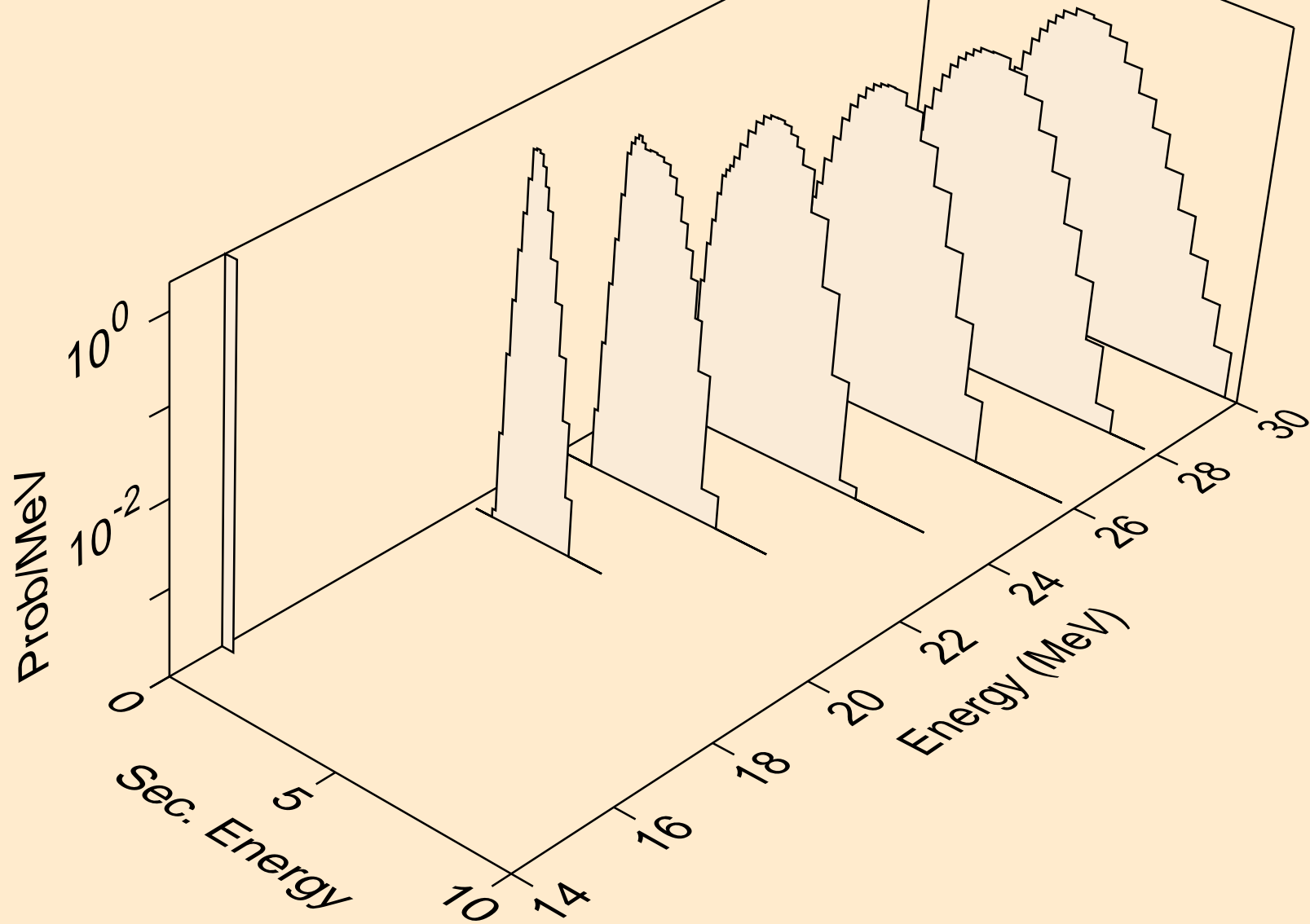
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protons from (n,p)



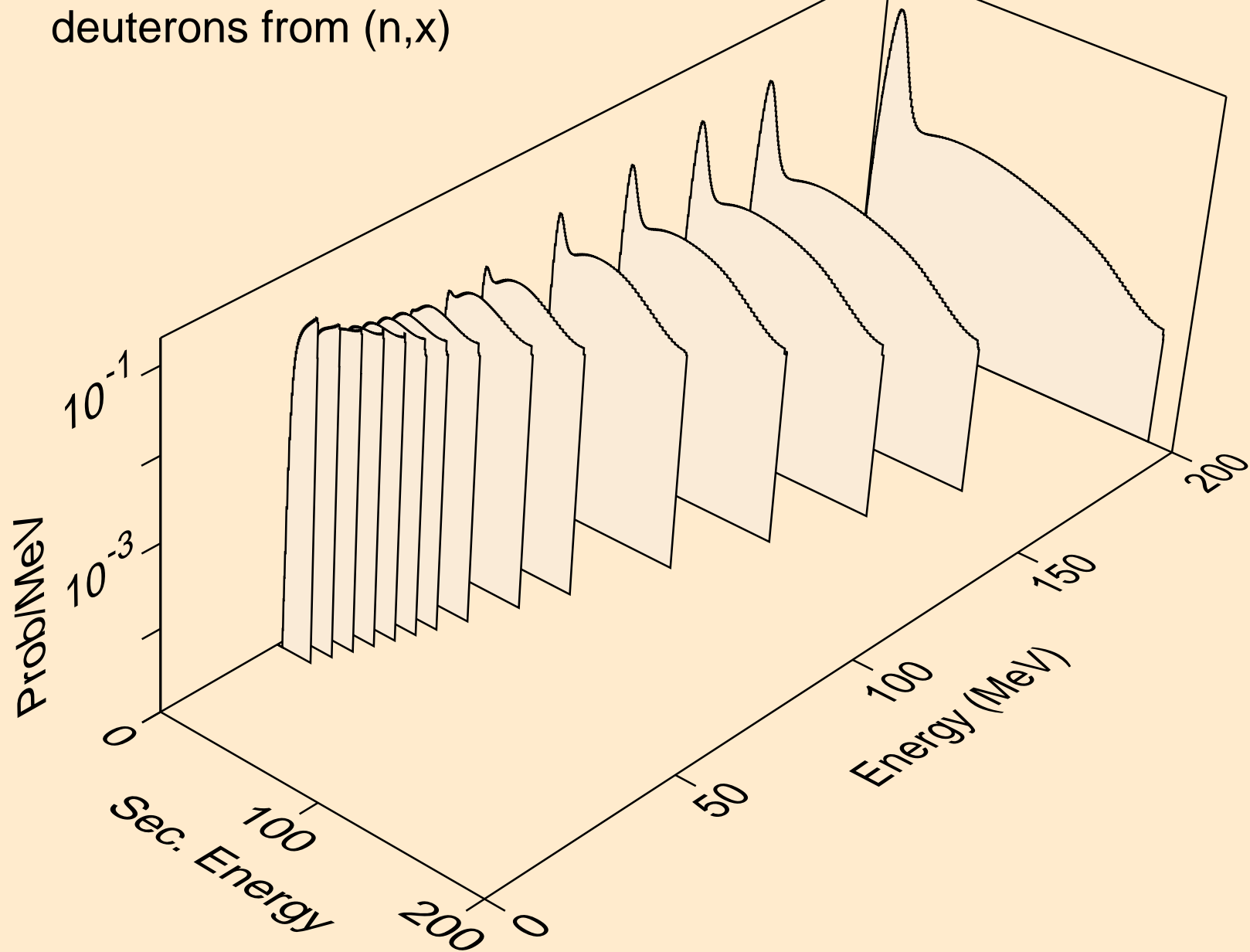
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protons from (n,pd)



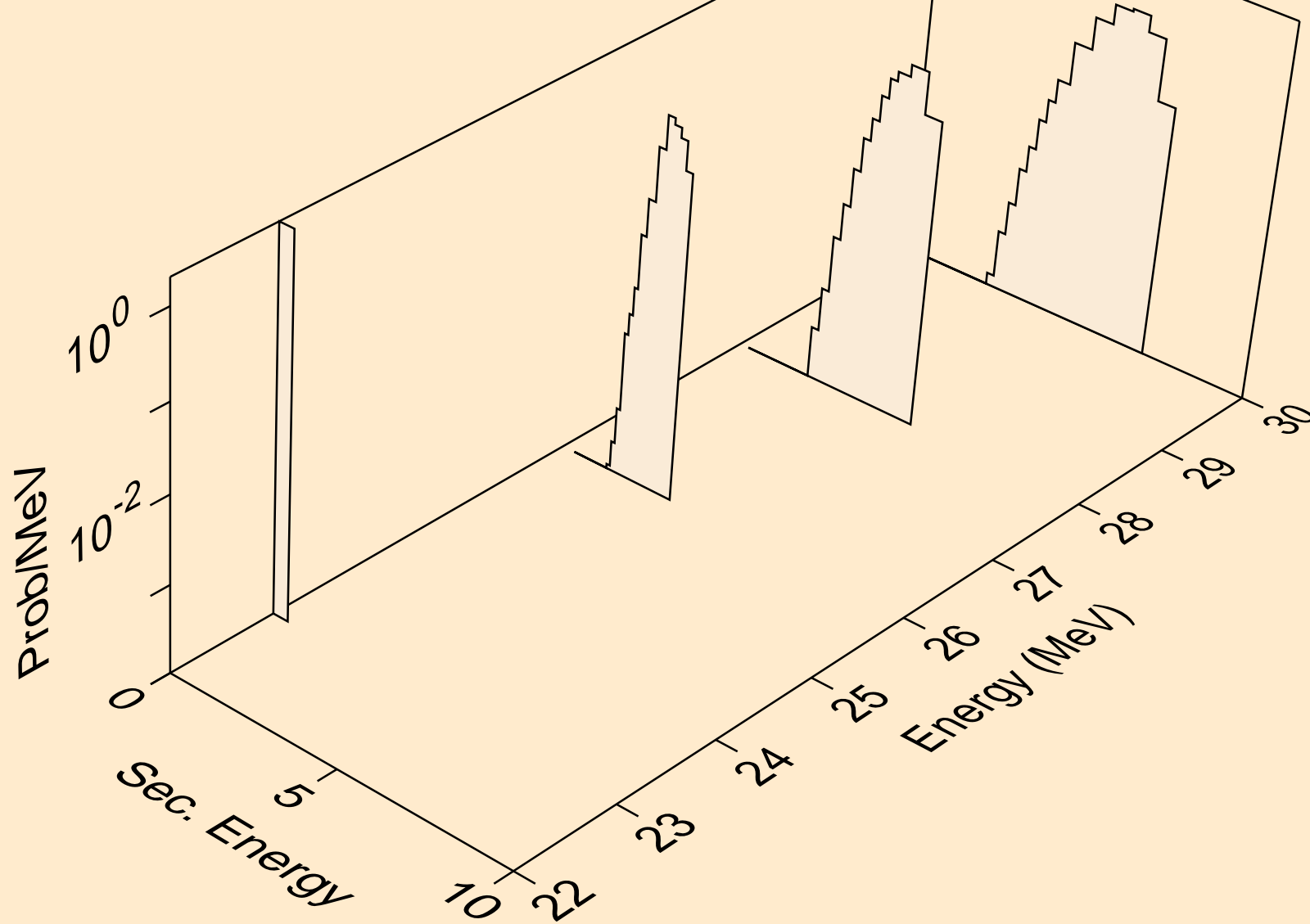
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protons from (n,pt)



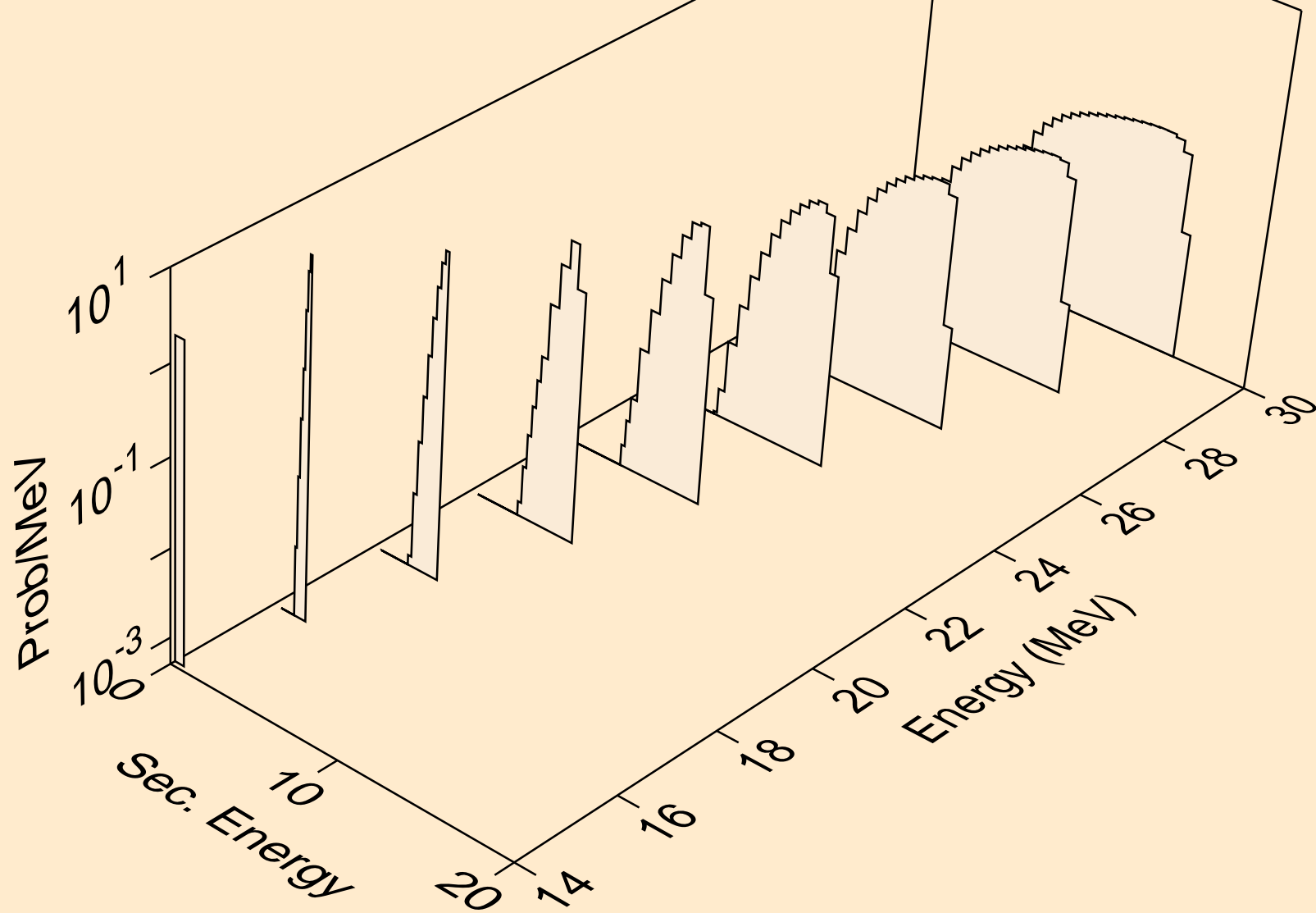
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deuterons from (n,x)



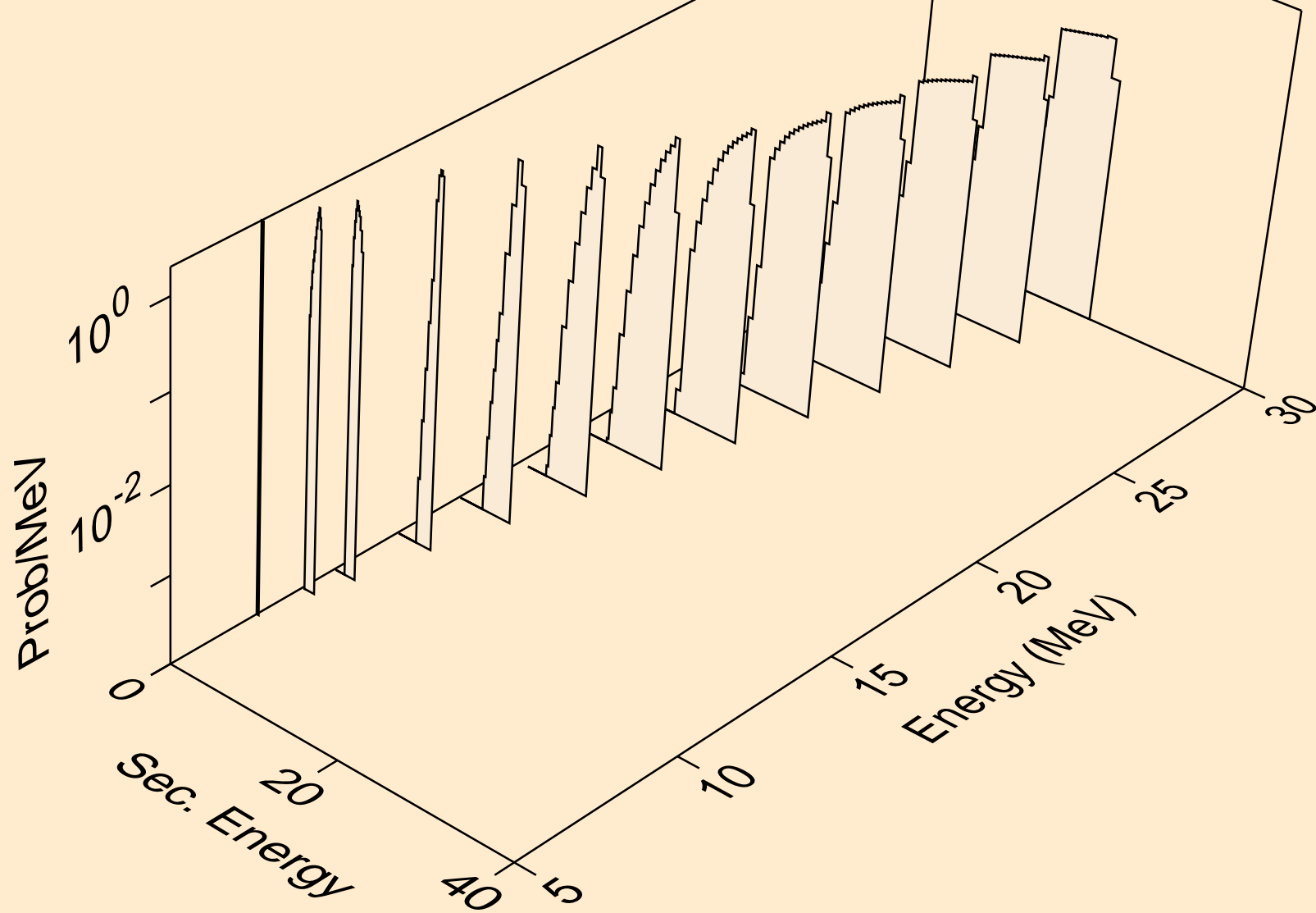
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deuterons from (n,2nd)



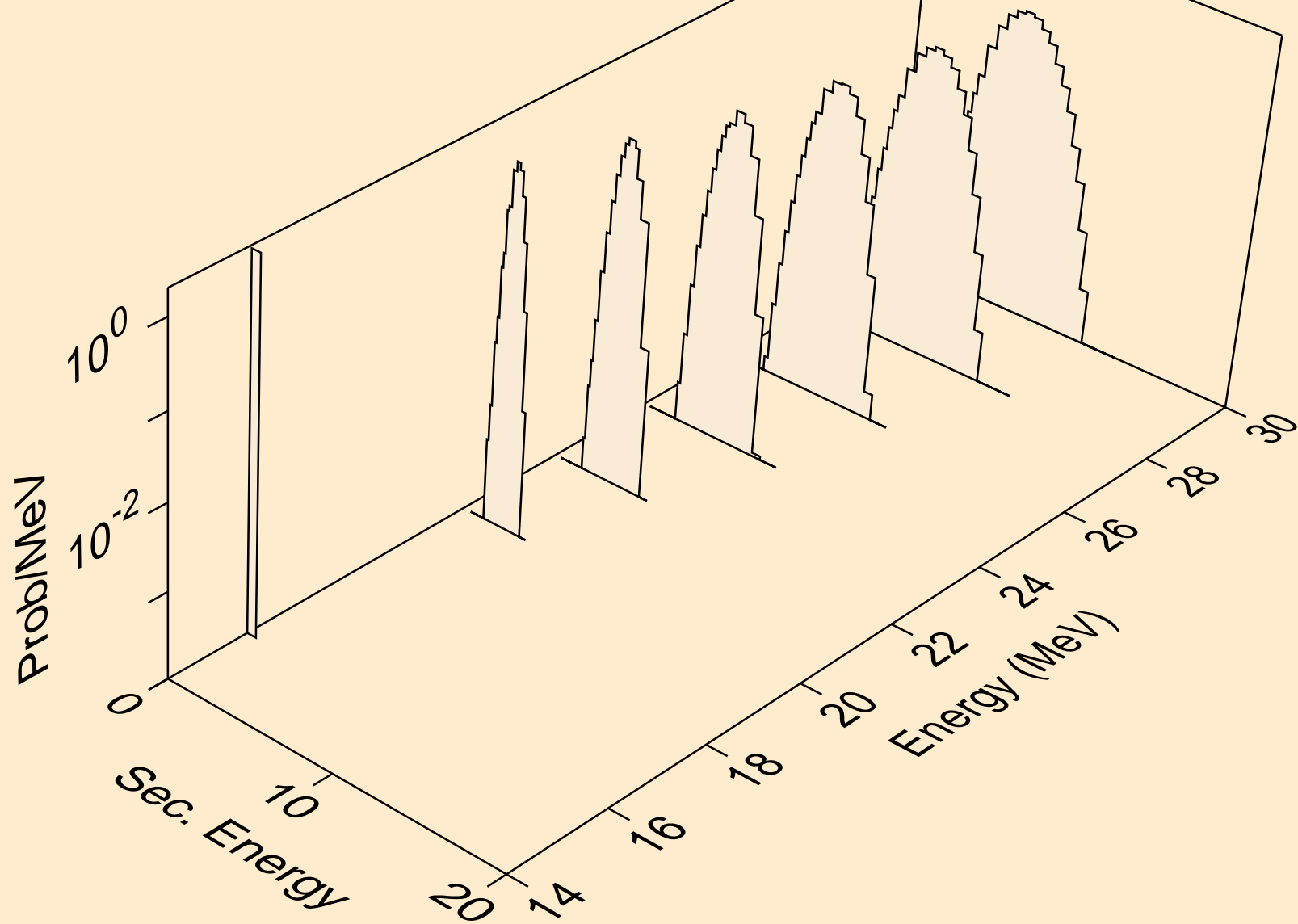
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,d)

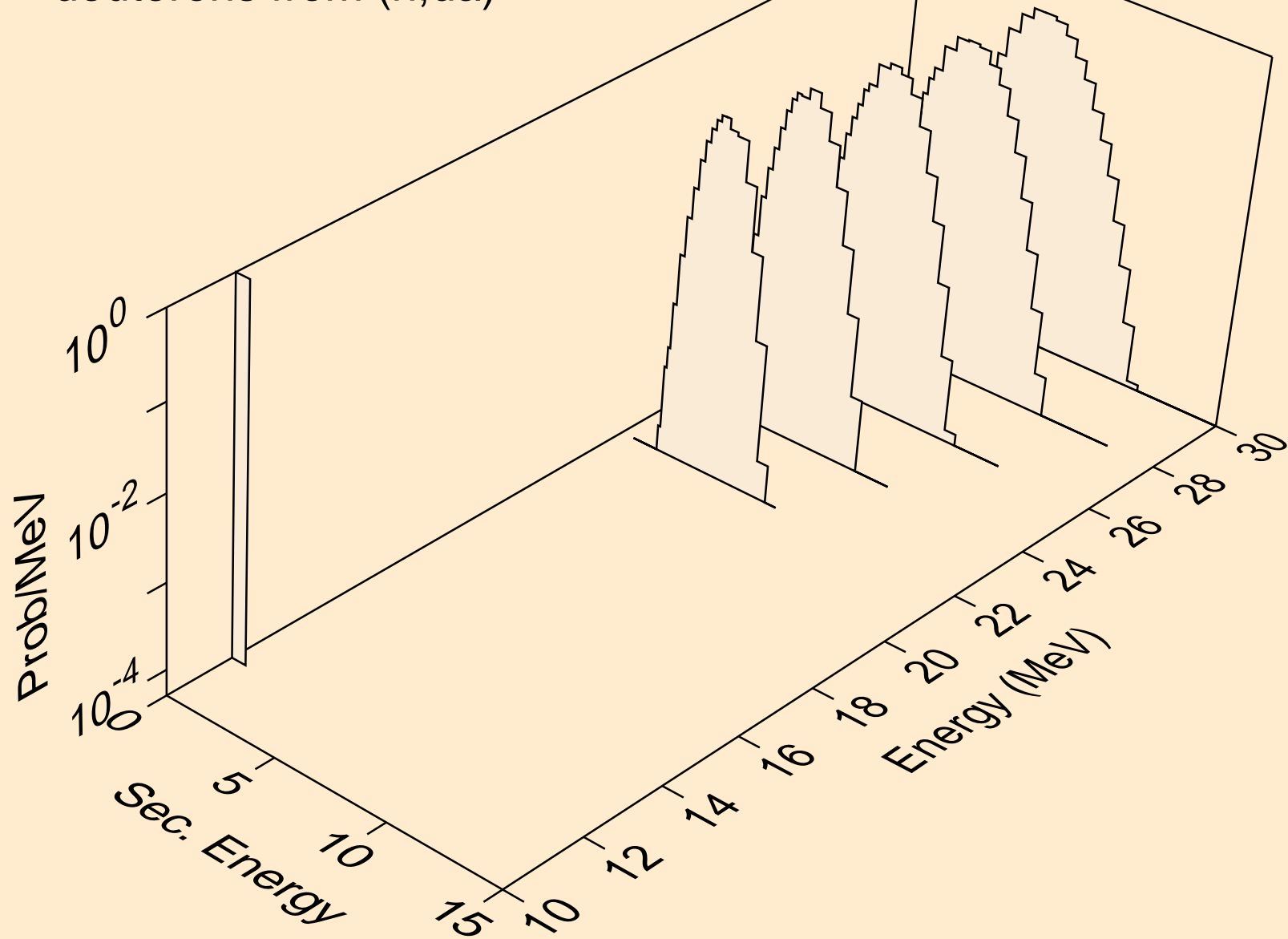


CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,pd)

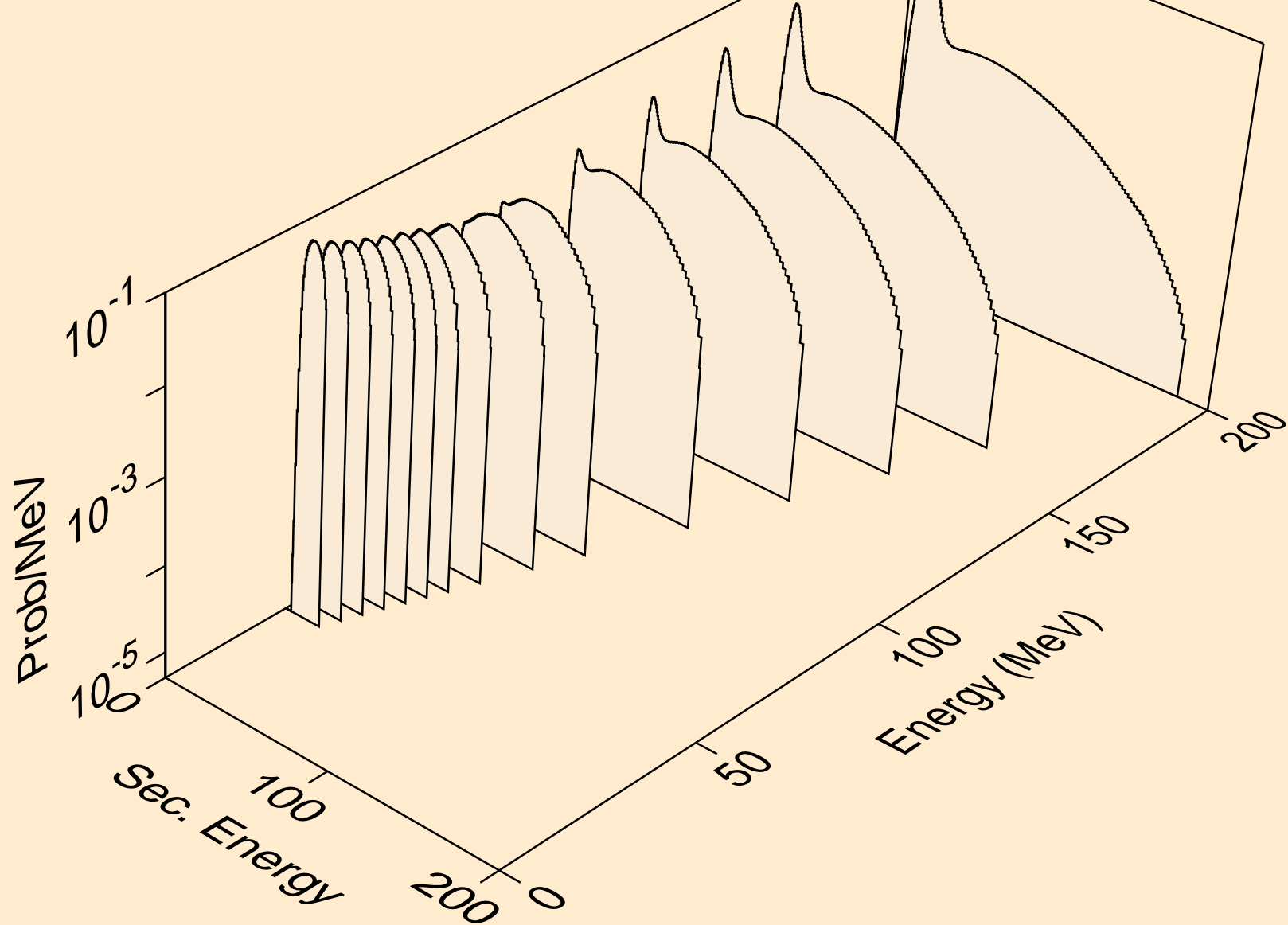




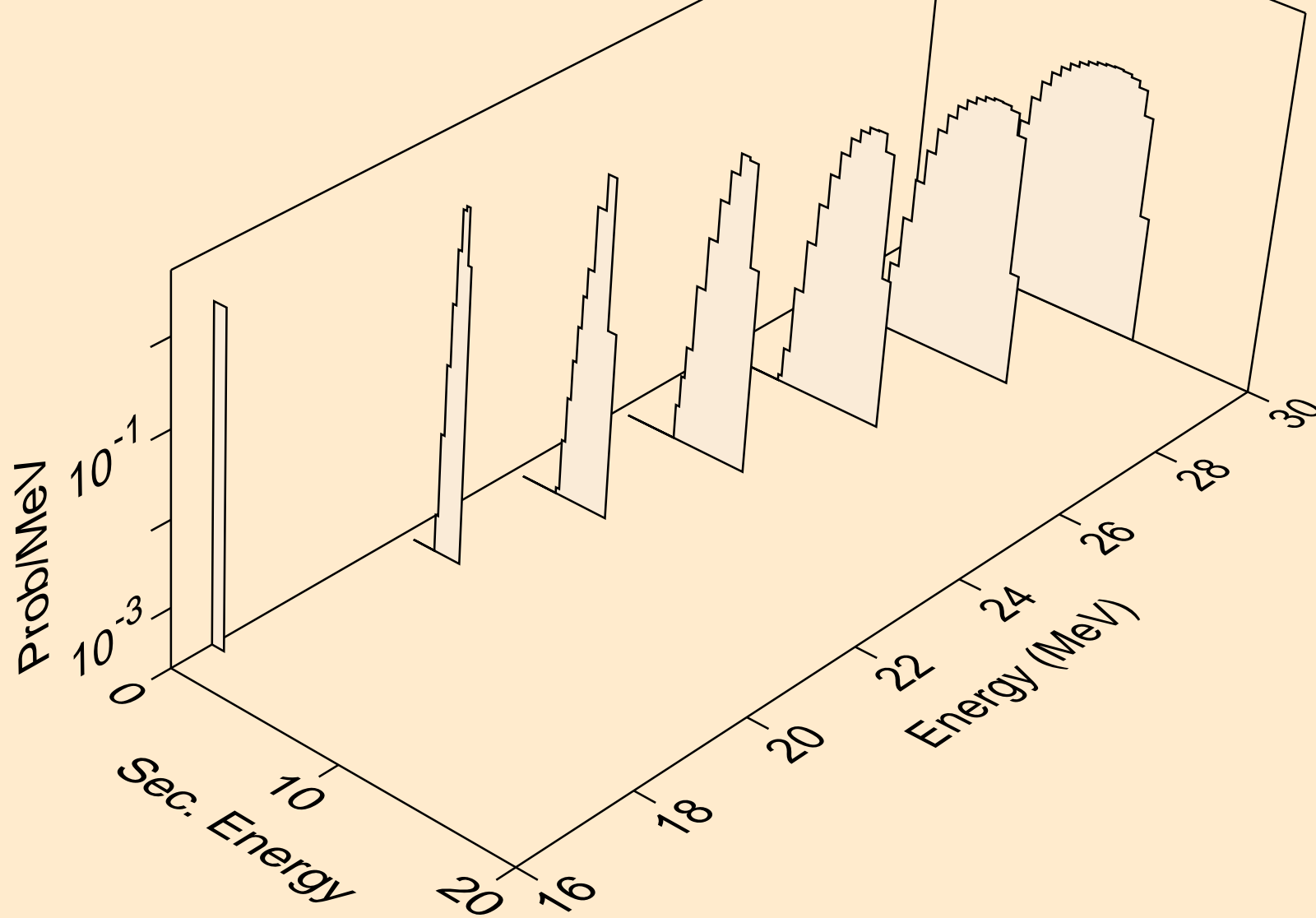
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deuterons from (n,da)



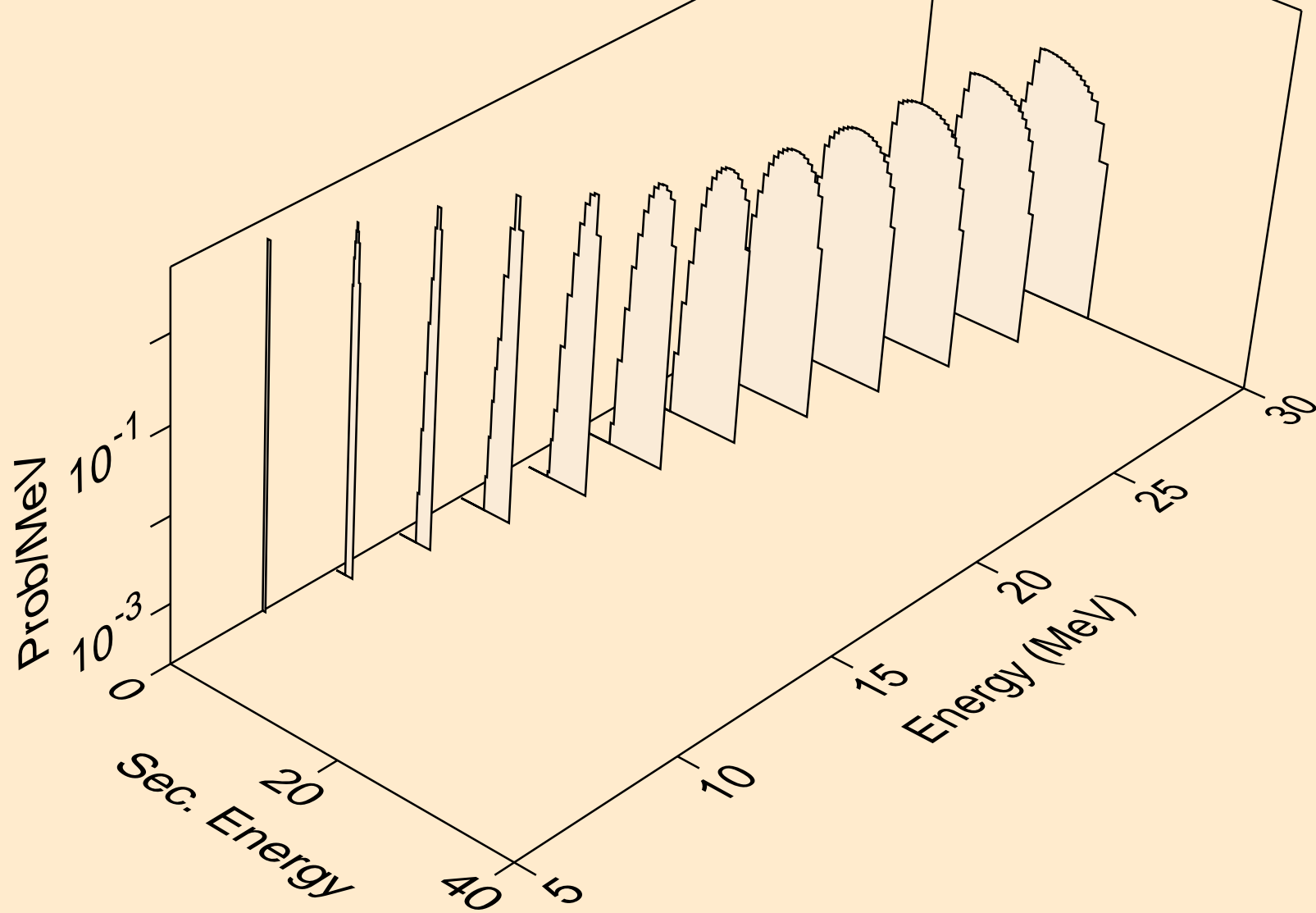
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tritons from (n,x)



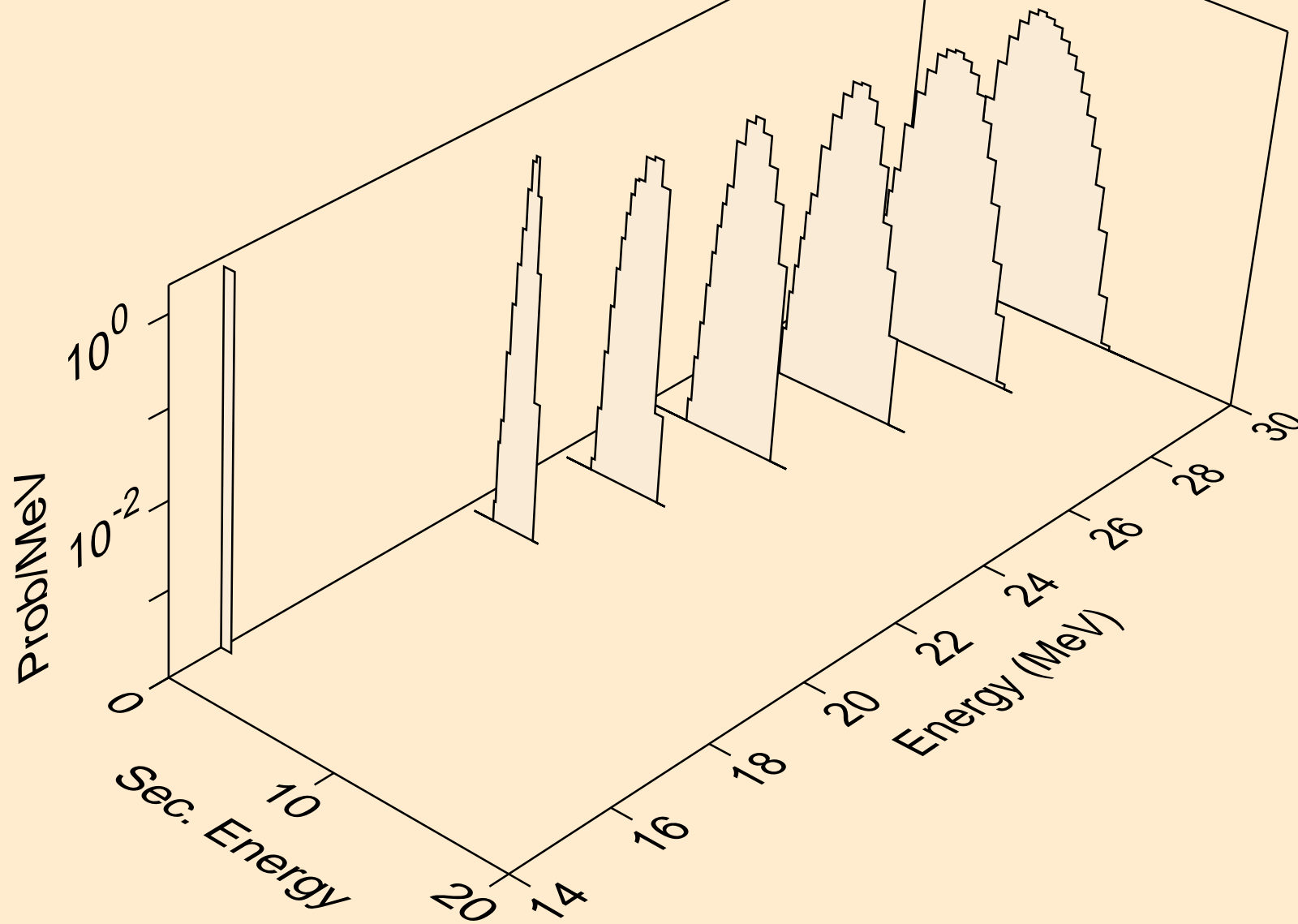
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tritons from (n,n\*)t



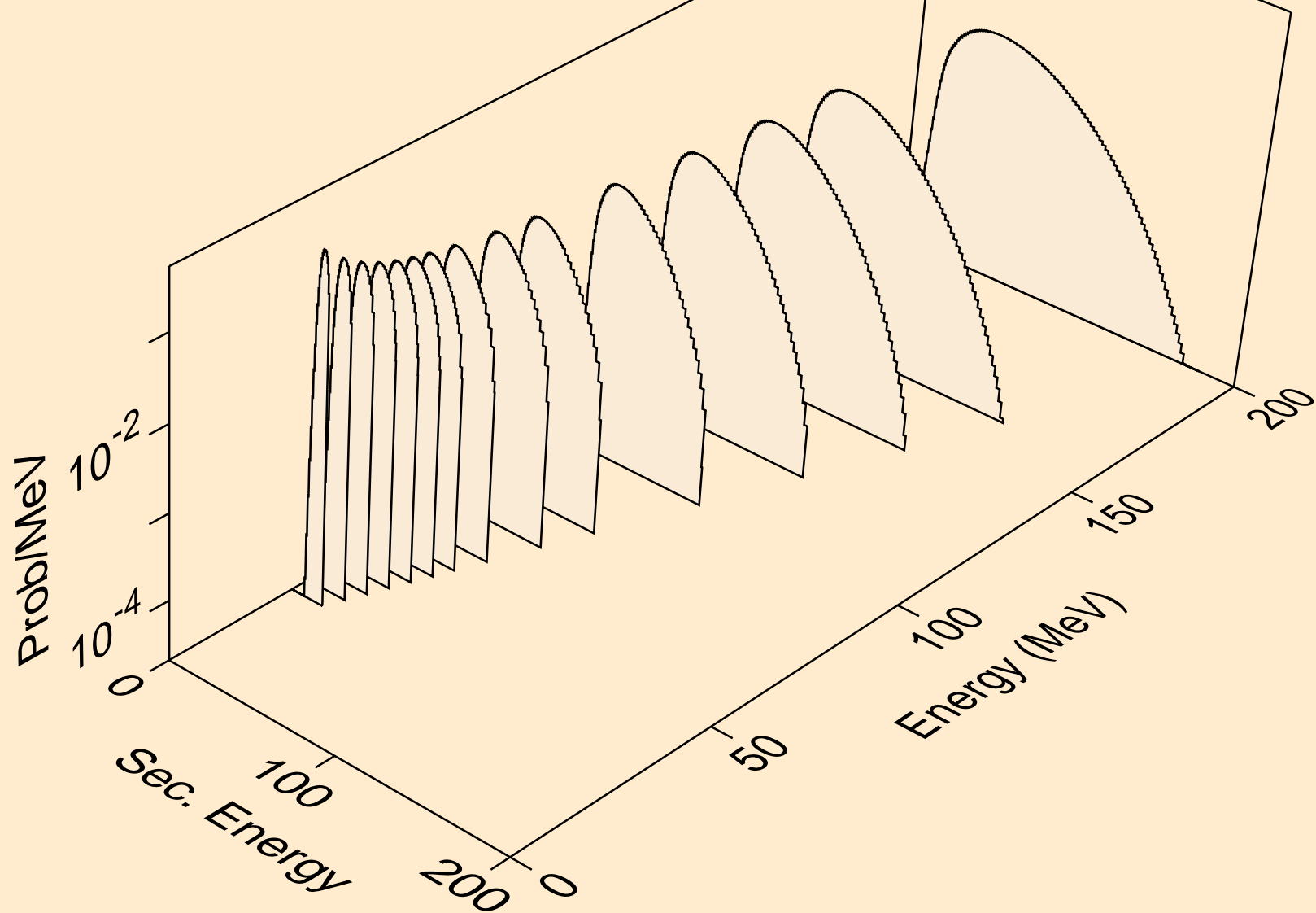
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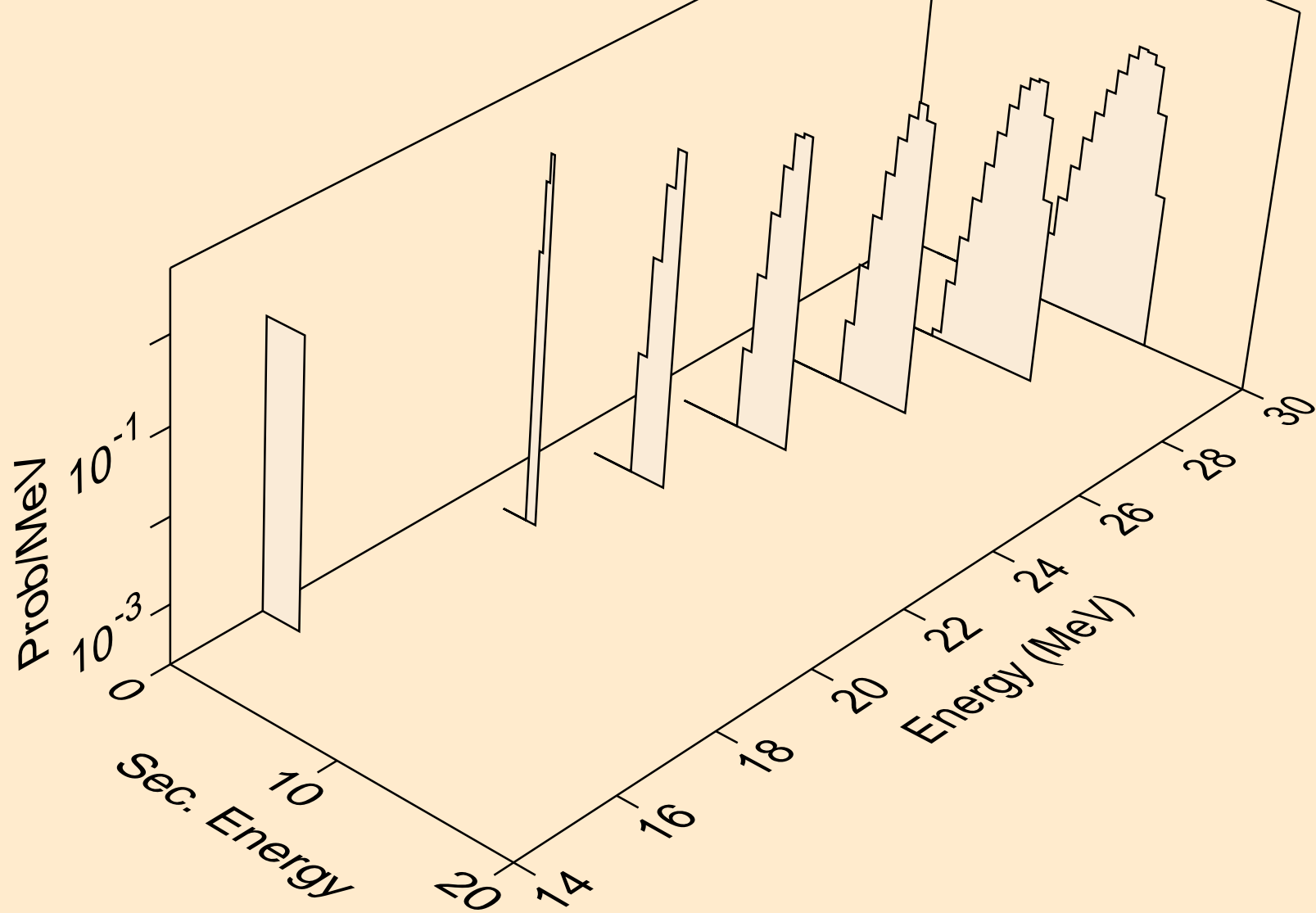
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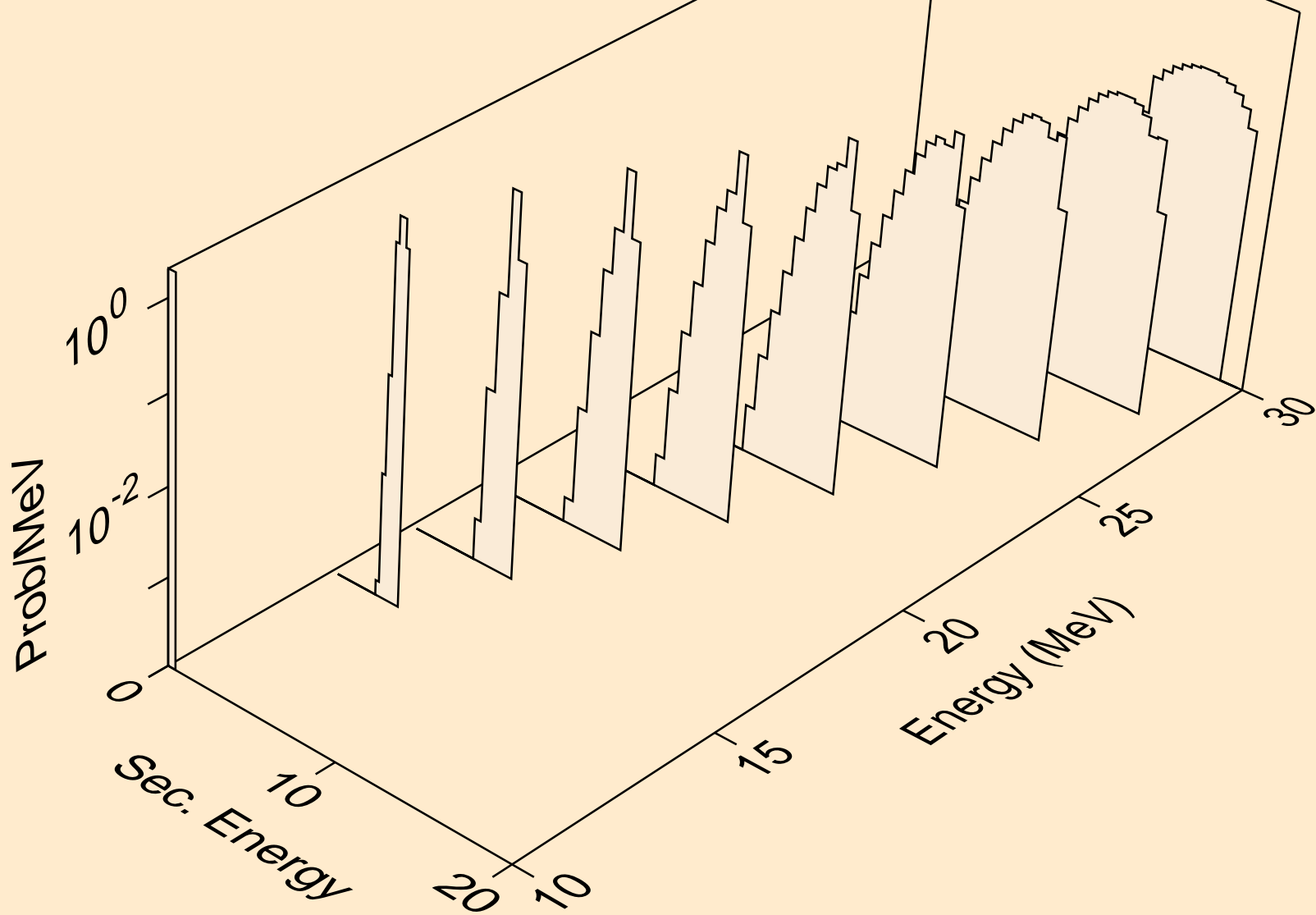
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)



CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
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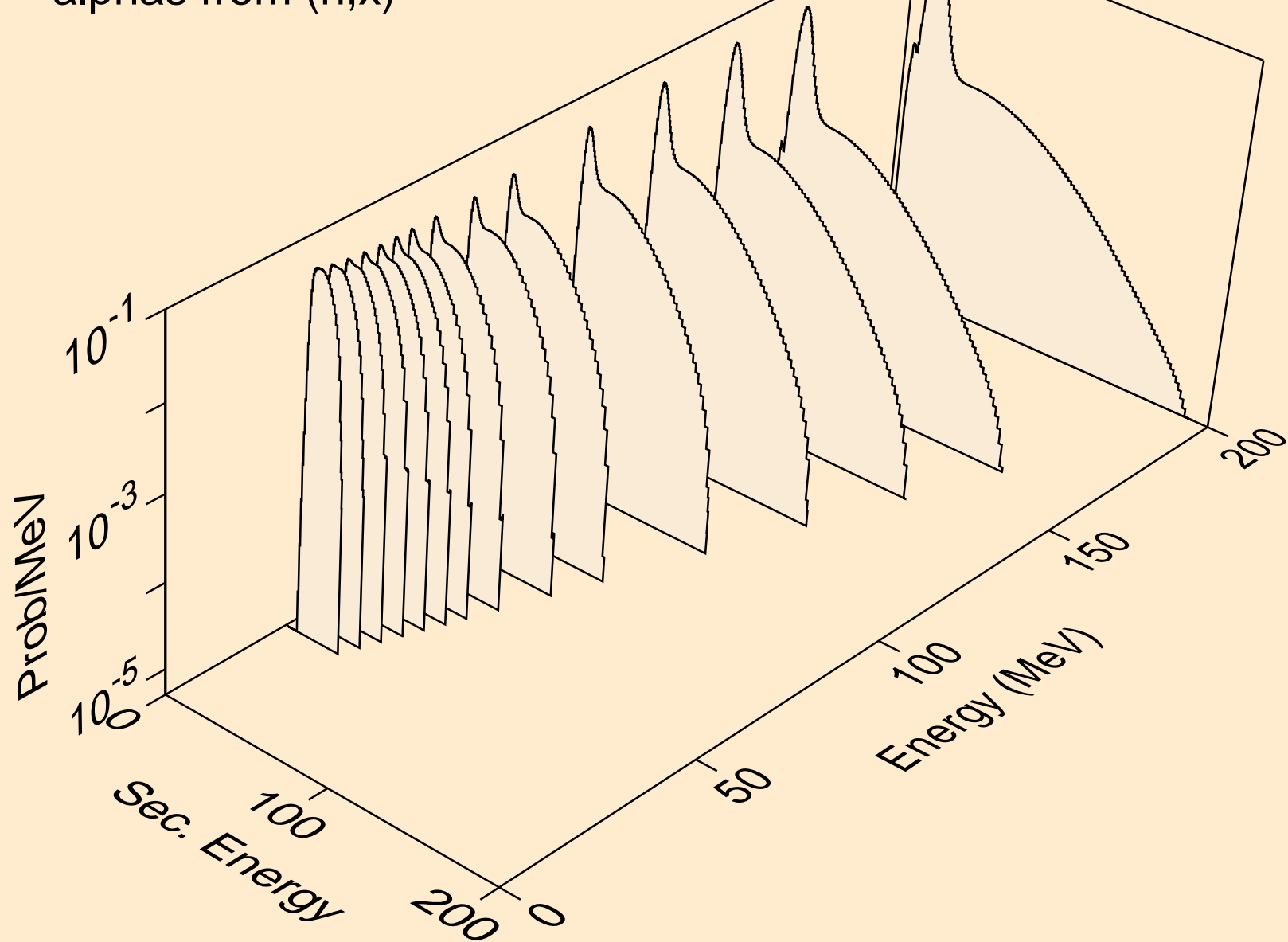


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he3s from (n,he3)

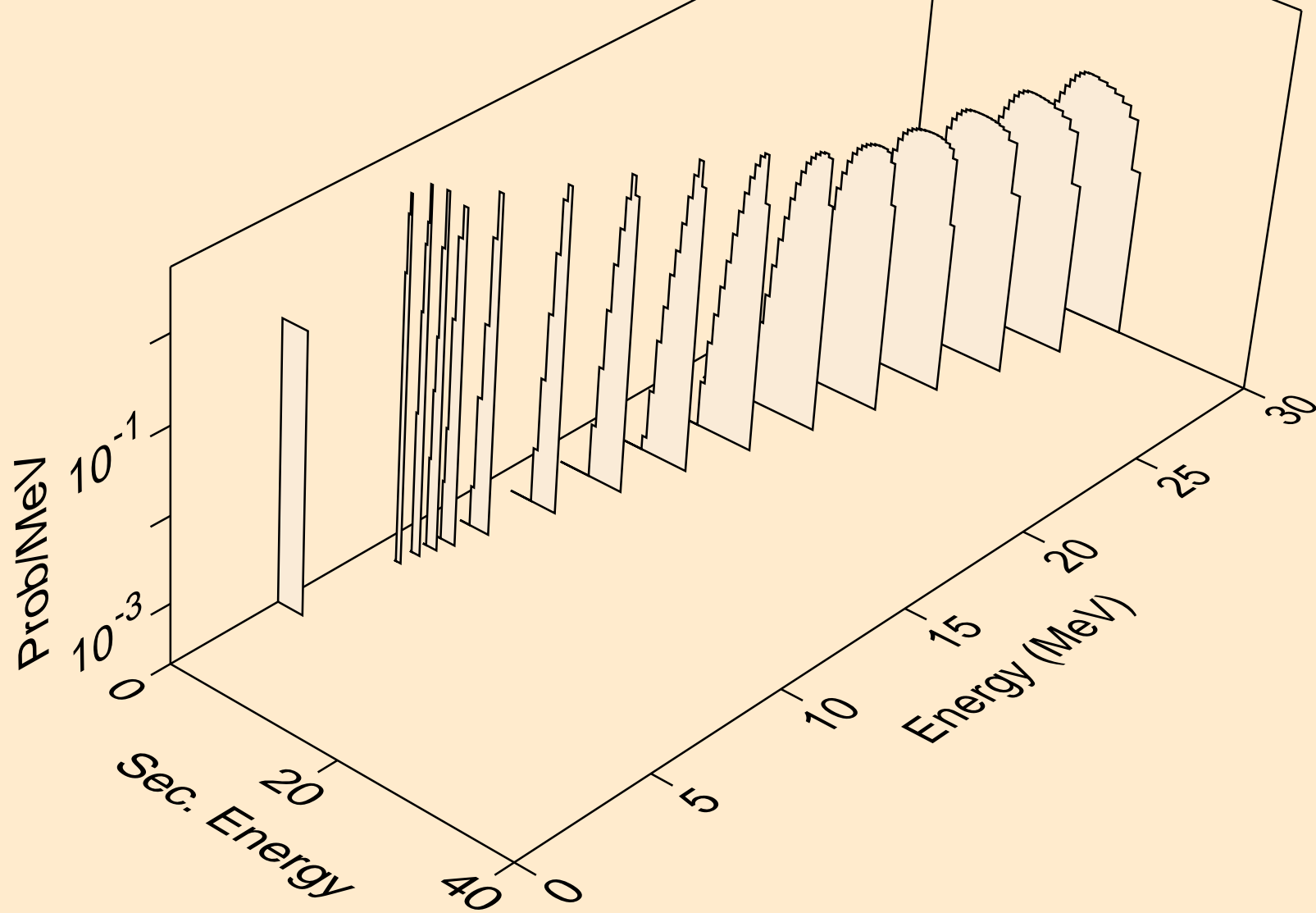




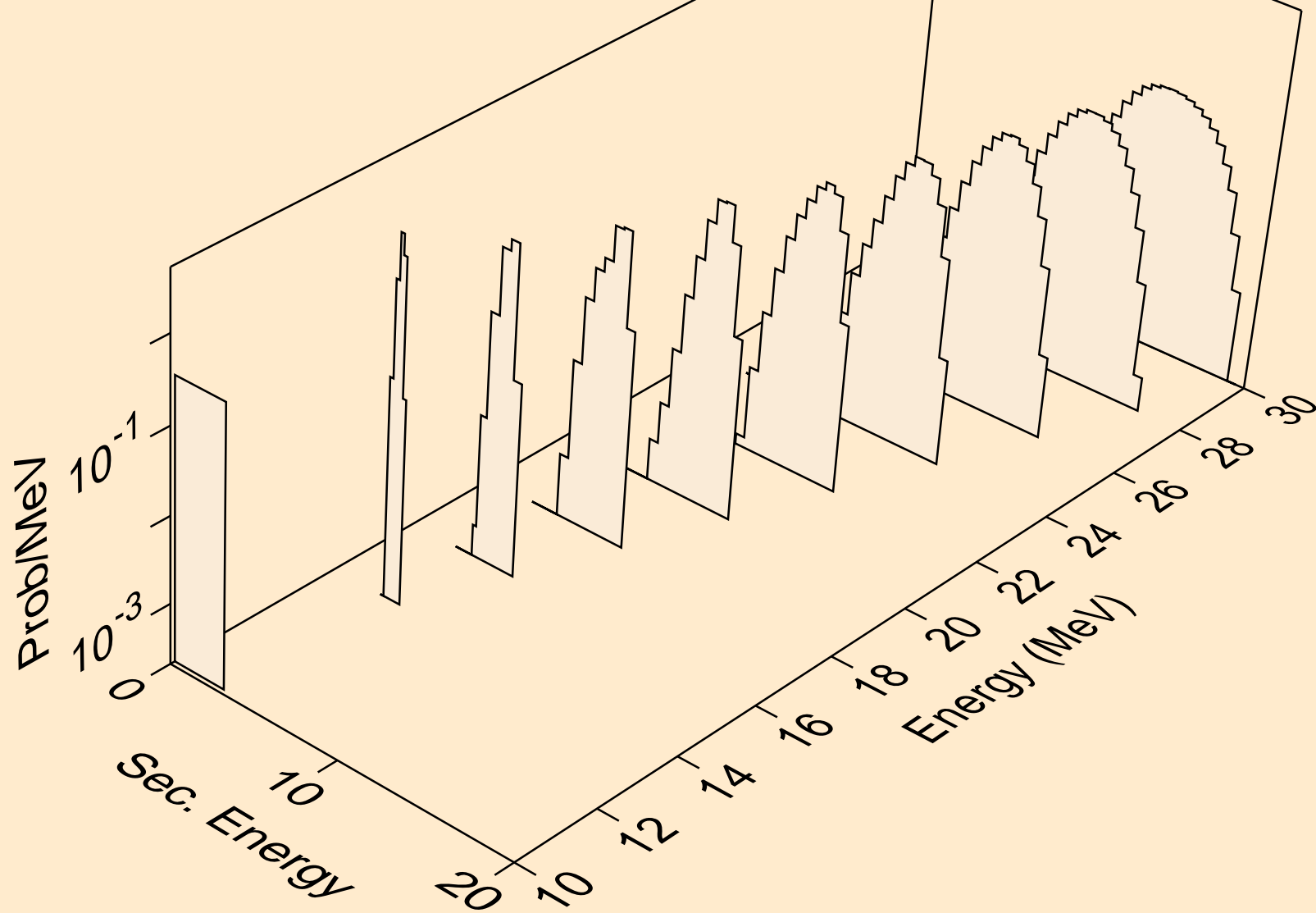
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alphas from (n,x)



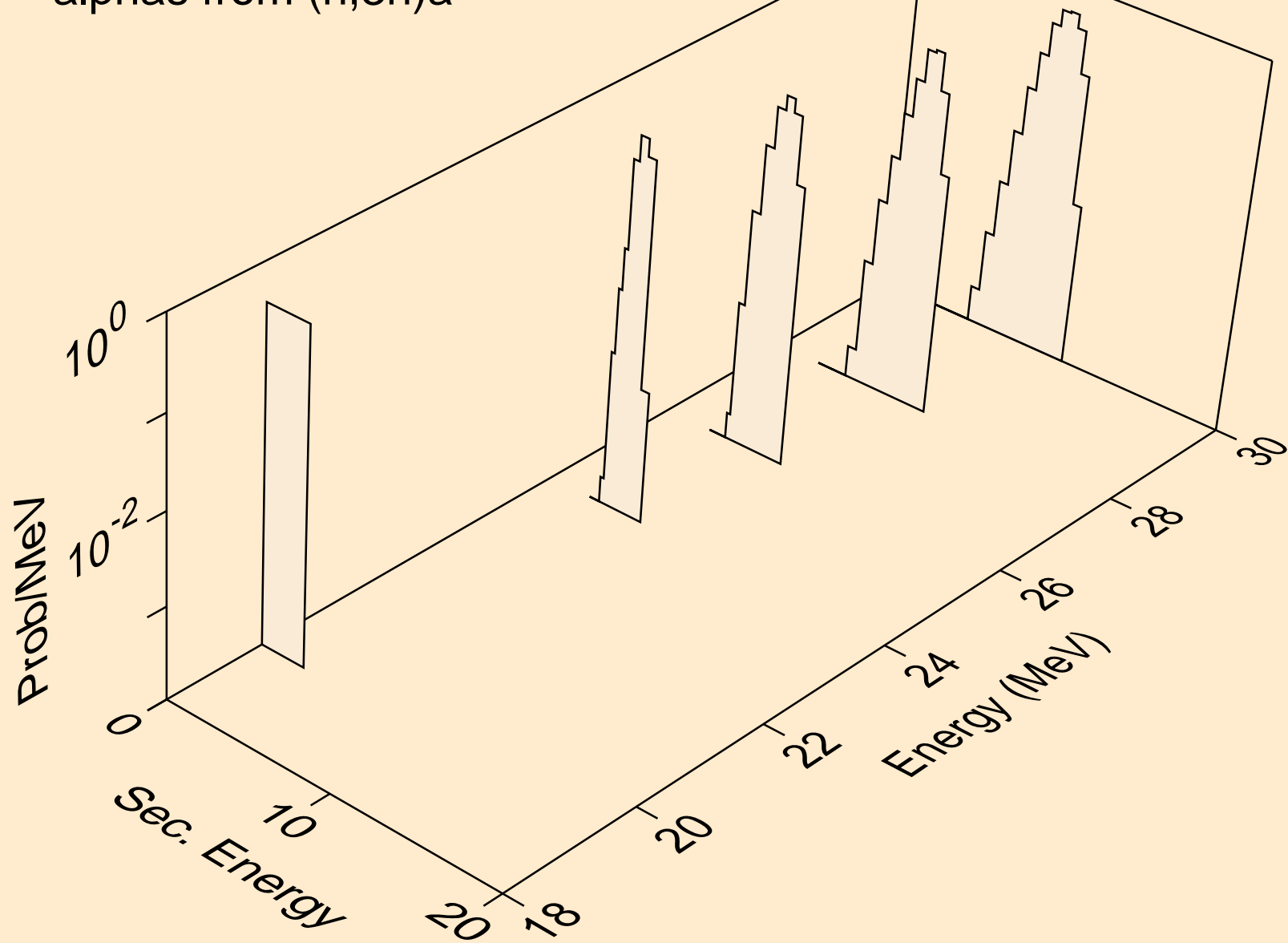
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alphas from (n,n\*)a



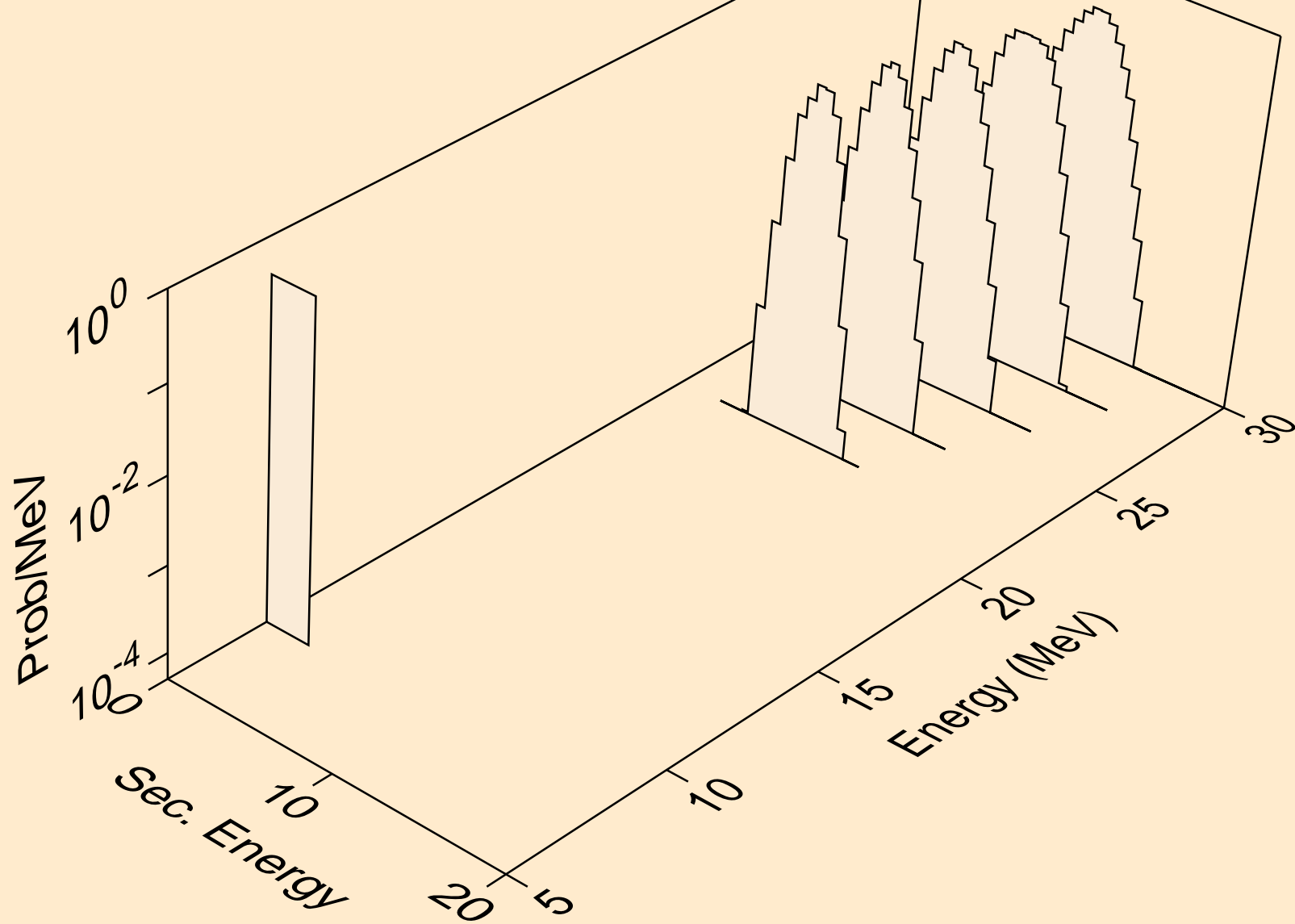
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alphas from (n,2n)a



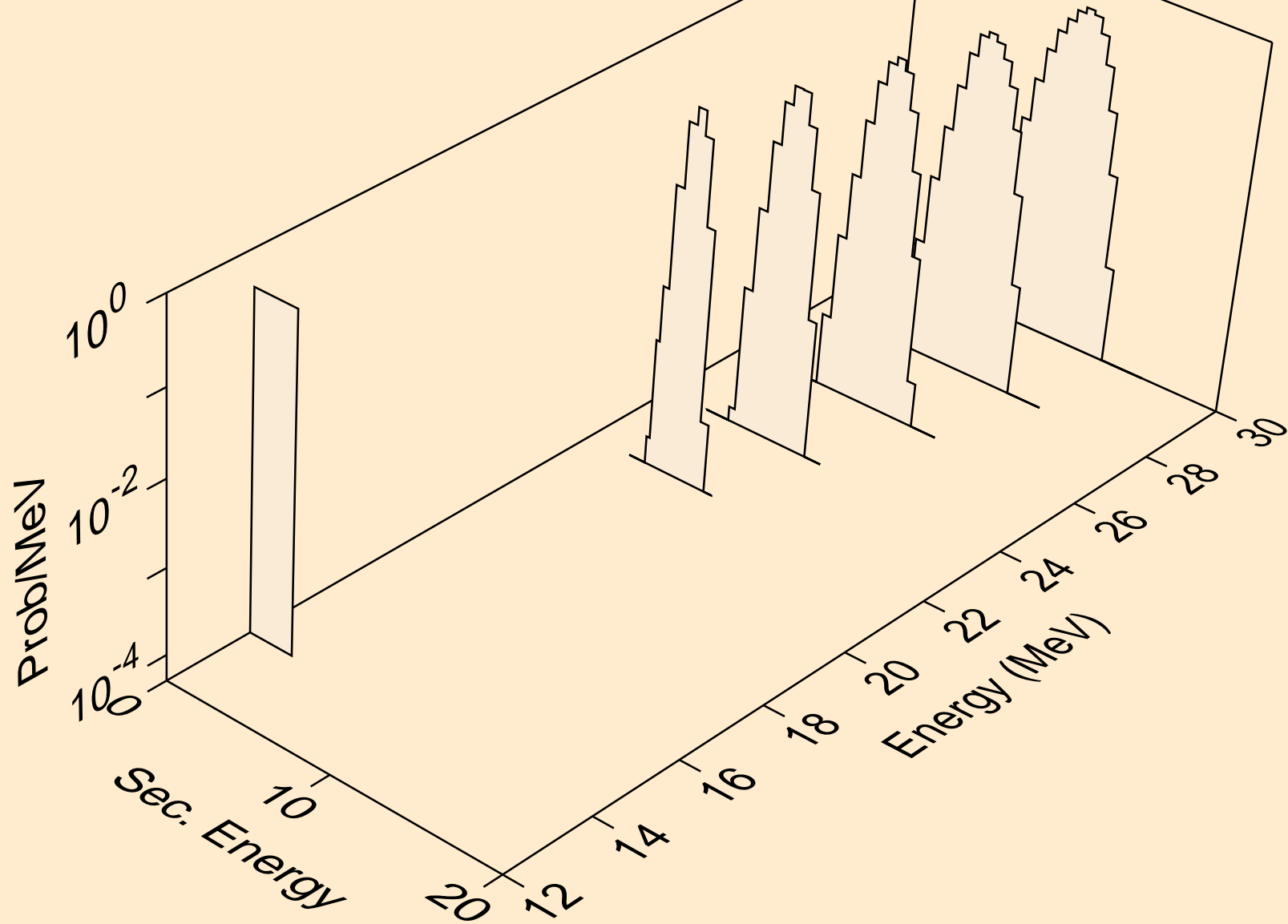
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alphas from (n,3n)a



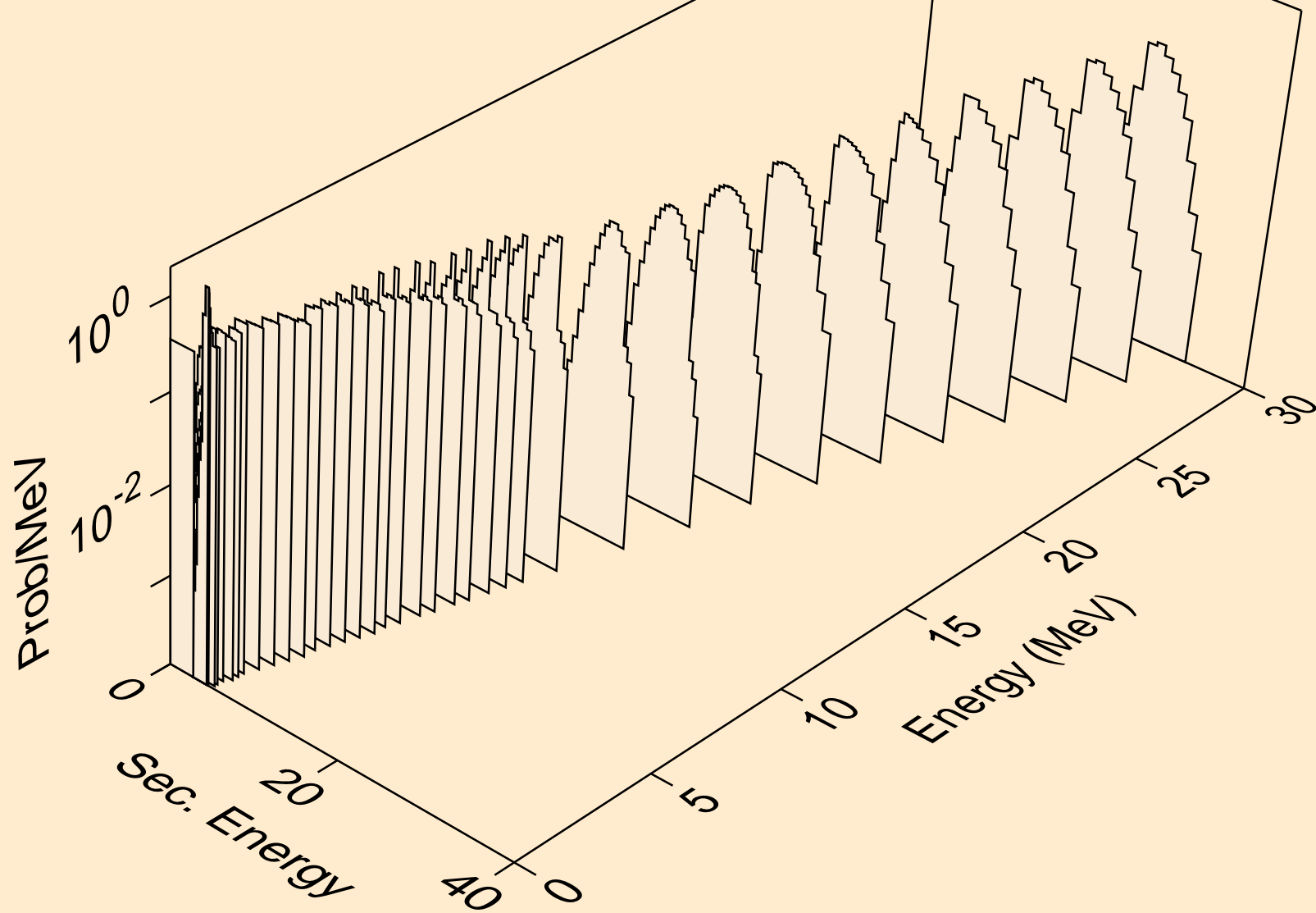
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)2a



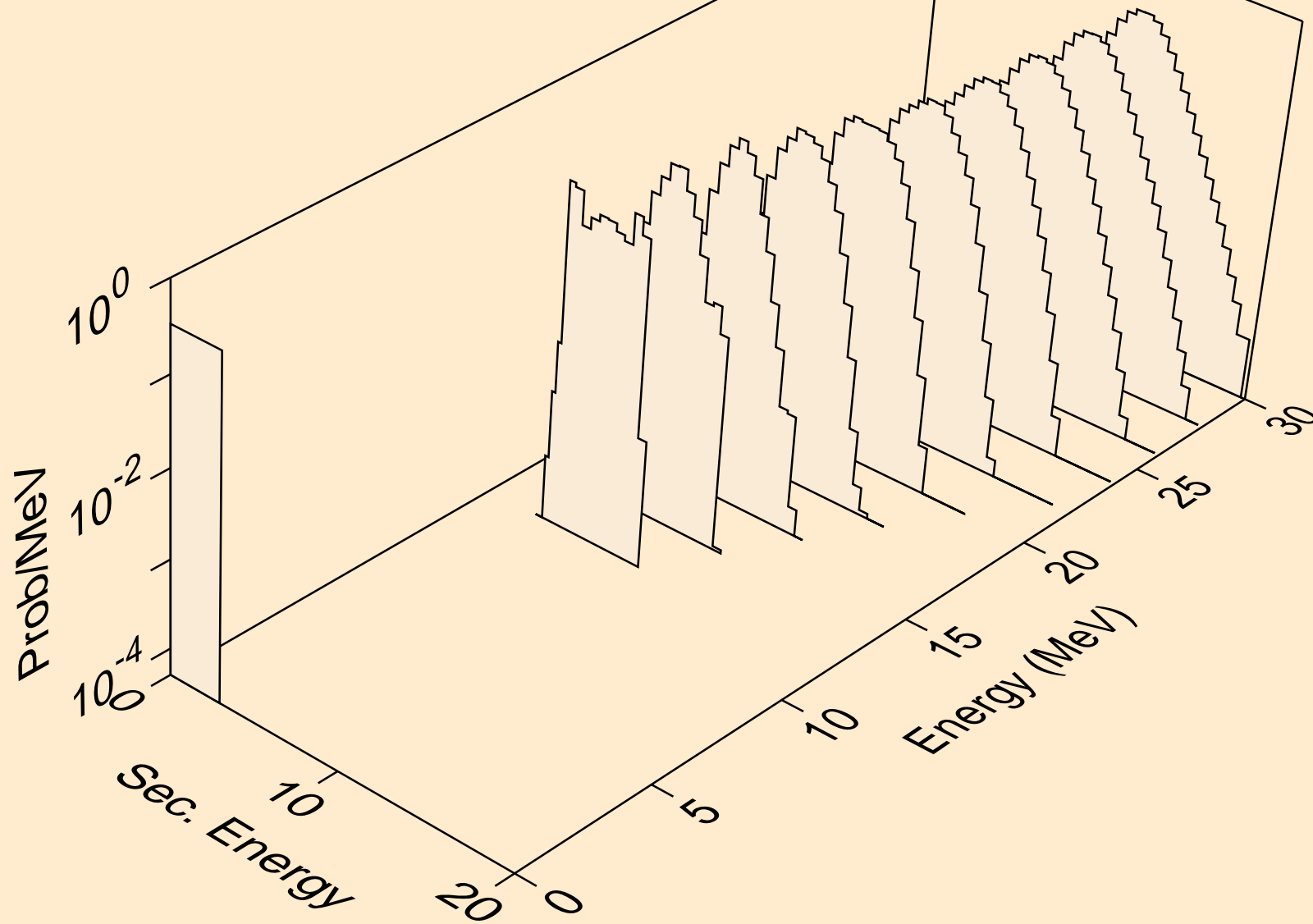
CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)



CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)

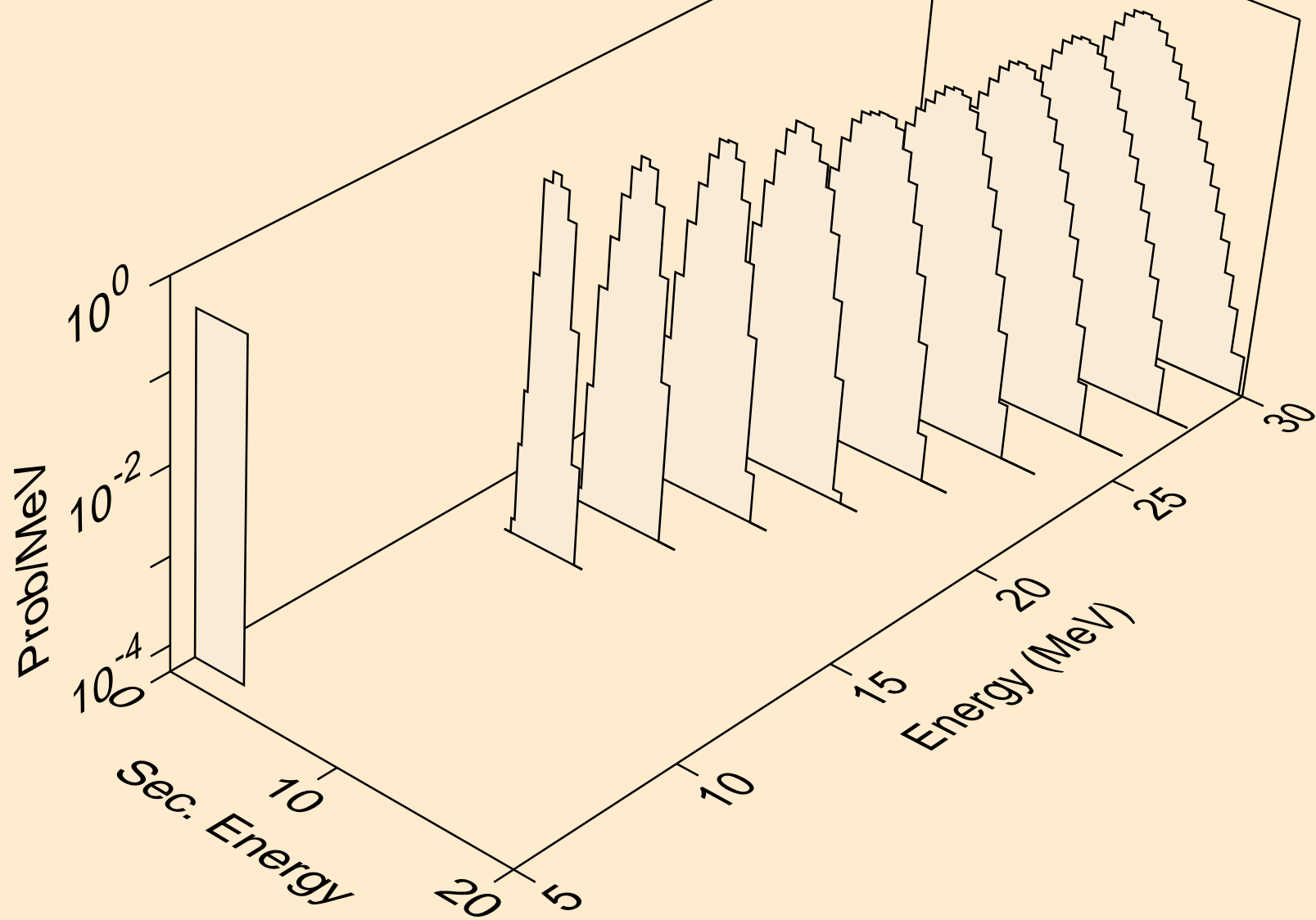


CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)





CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)



CD113 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

