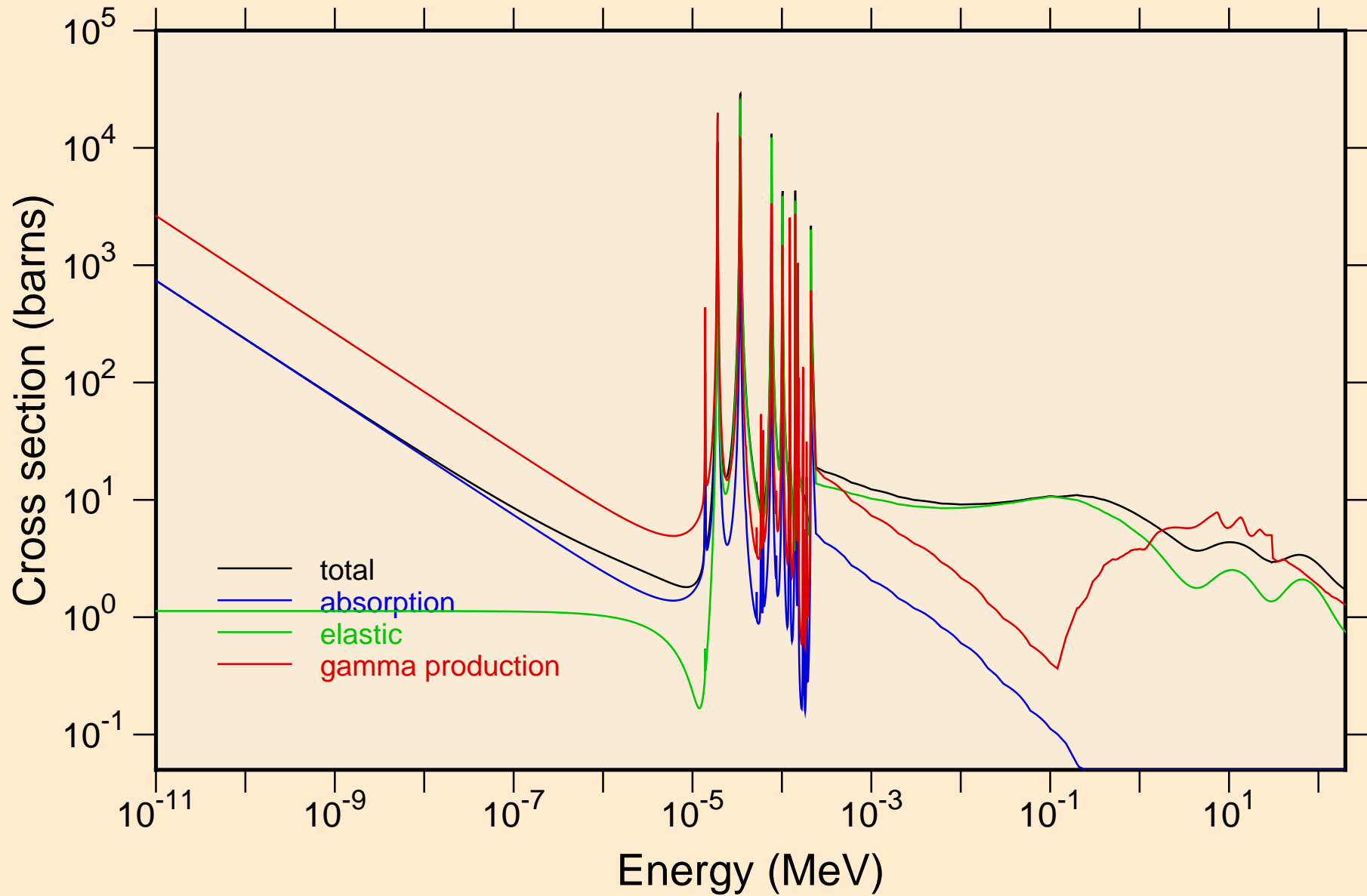
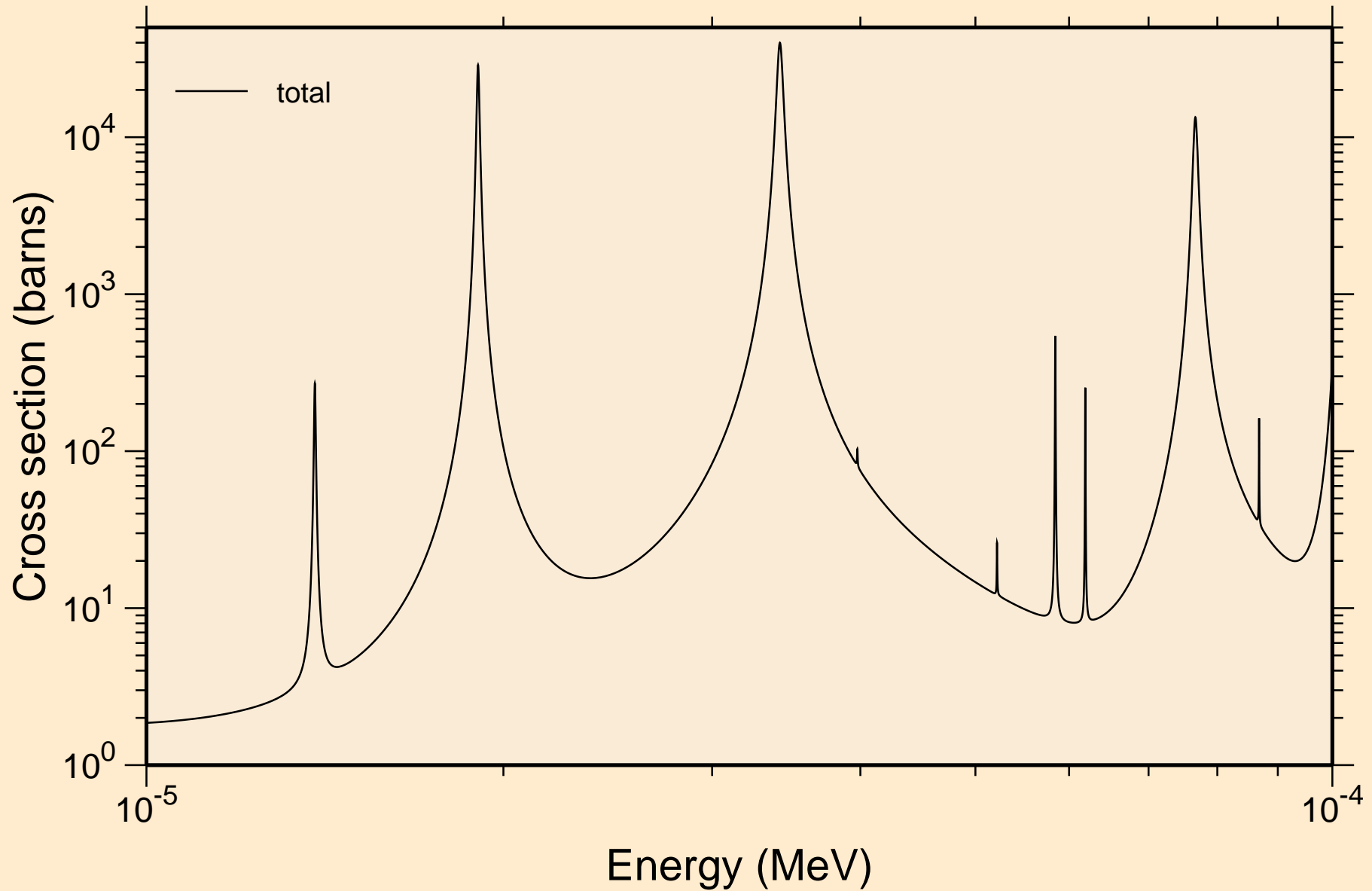


# NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

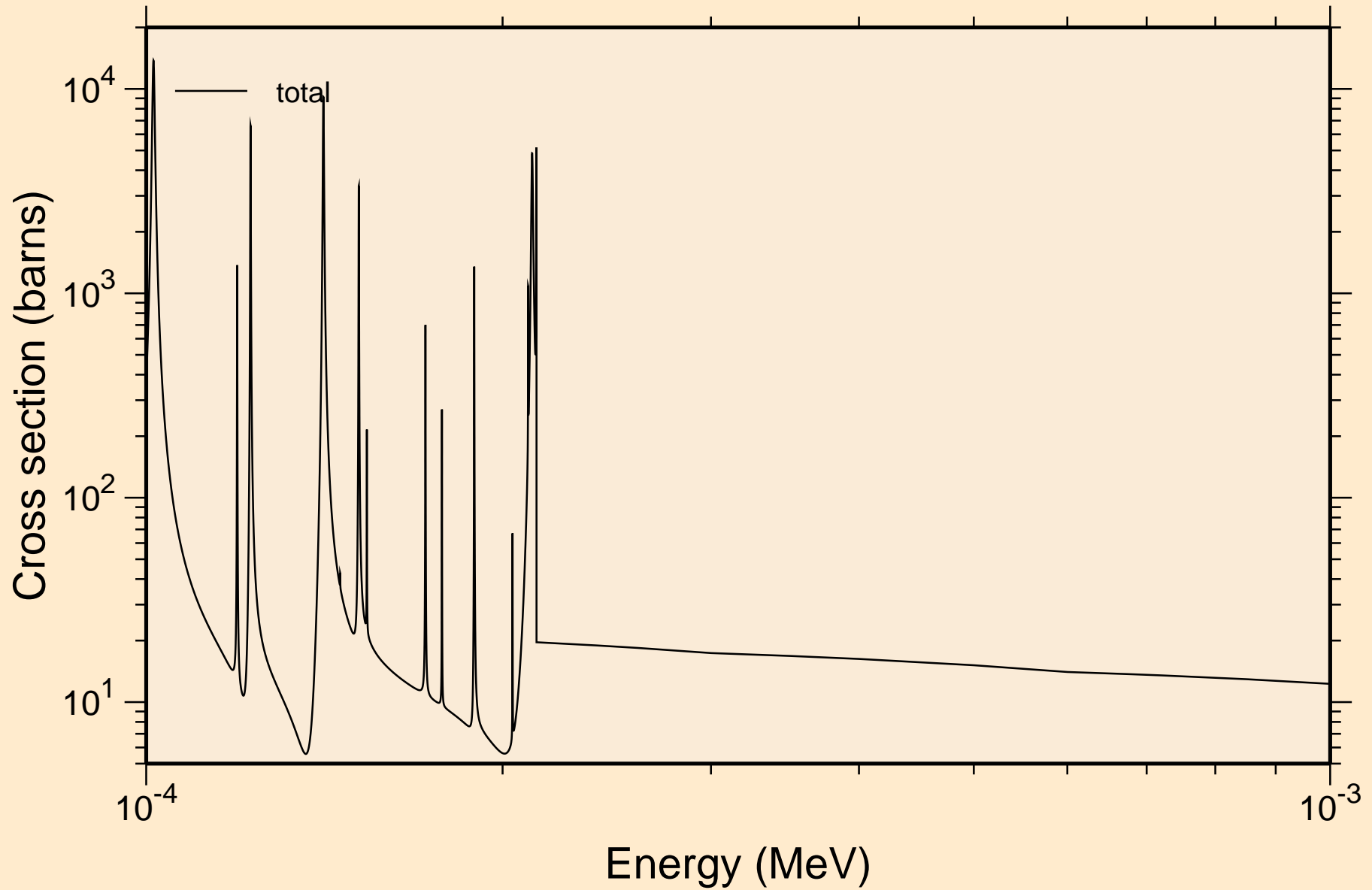
## Principal cross sections



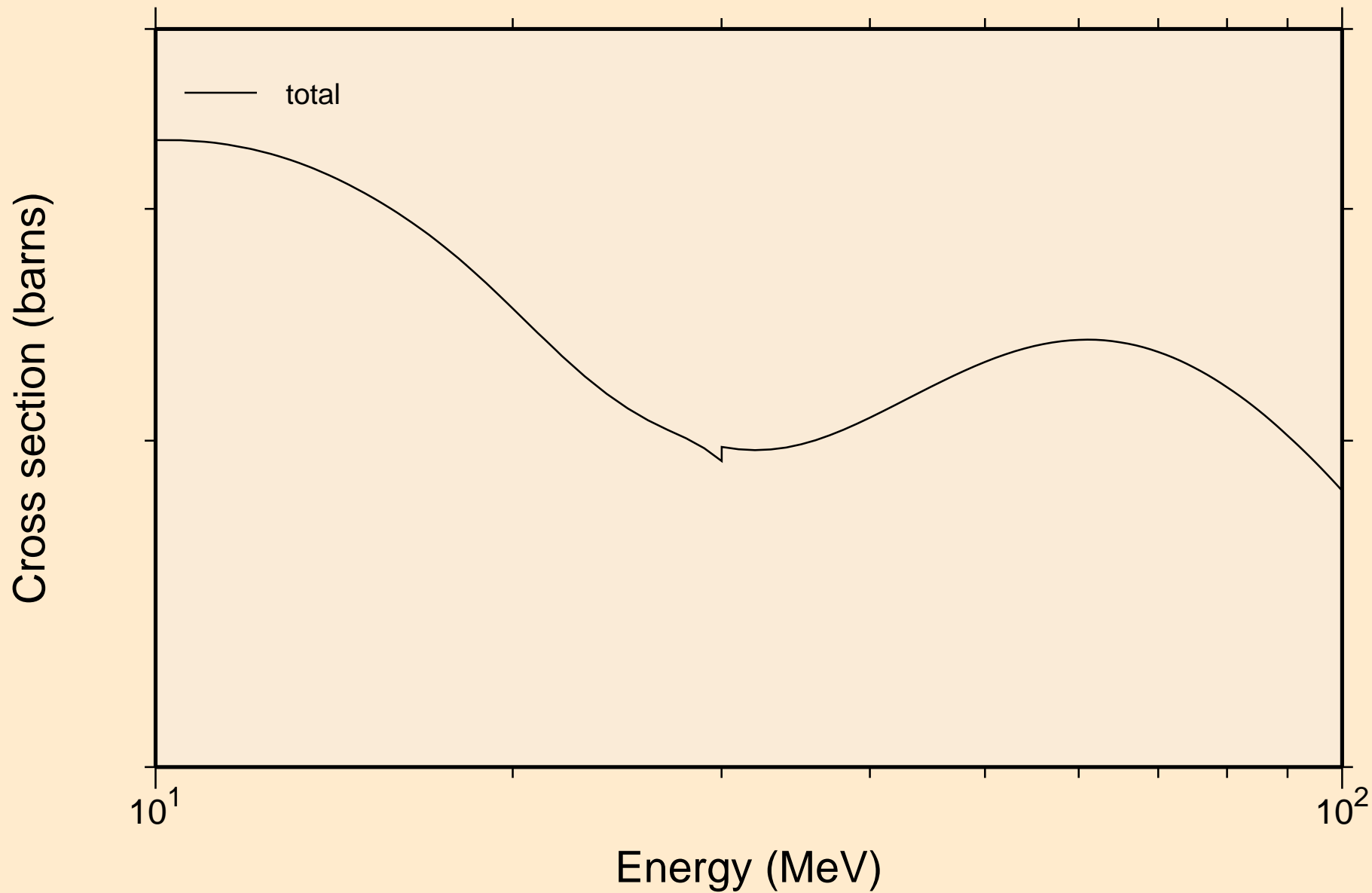
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



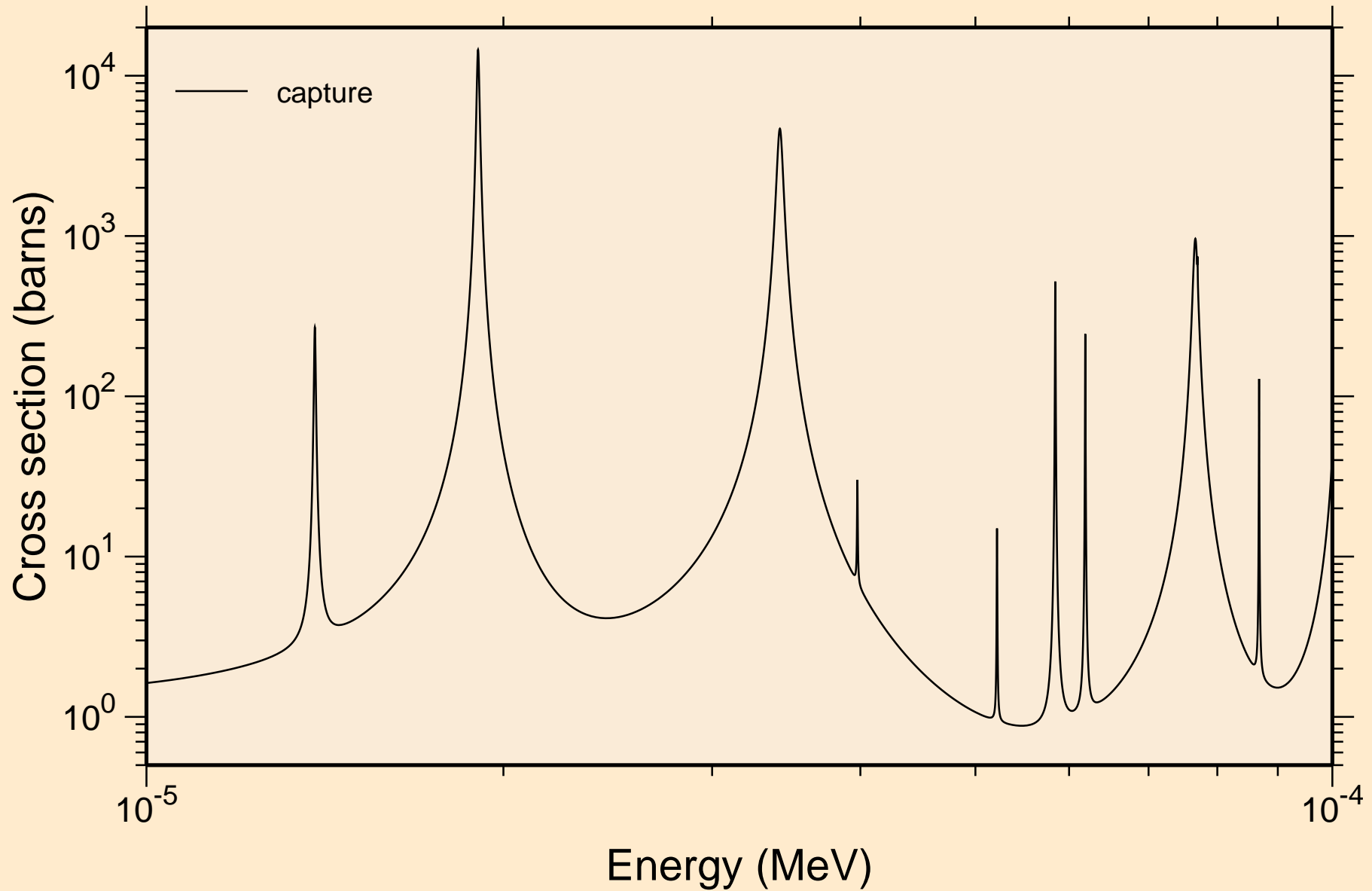
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



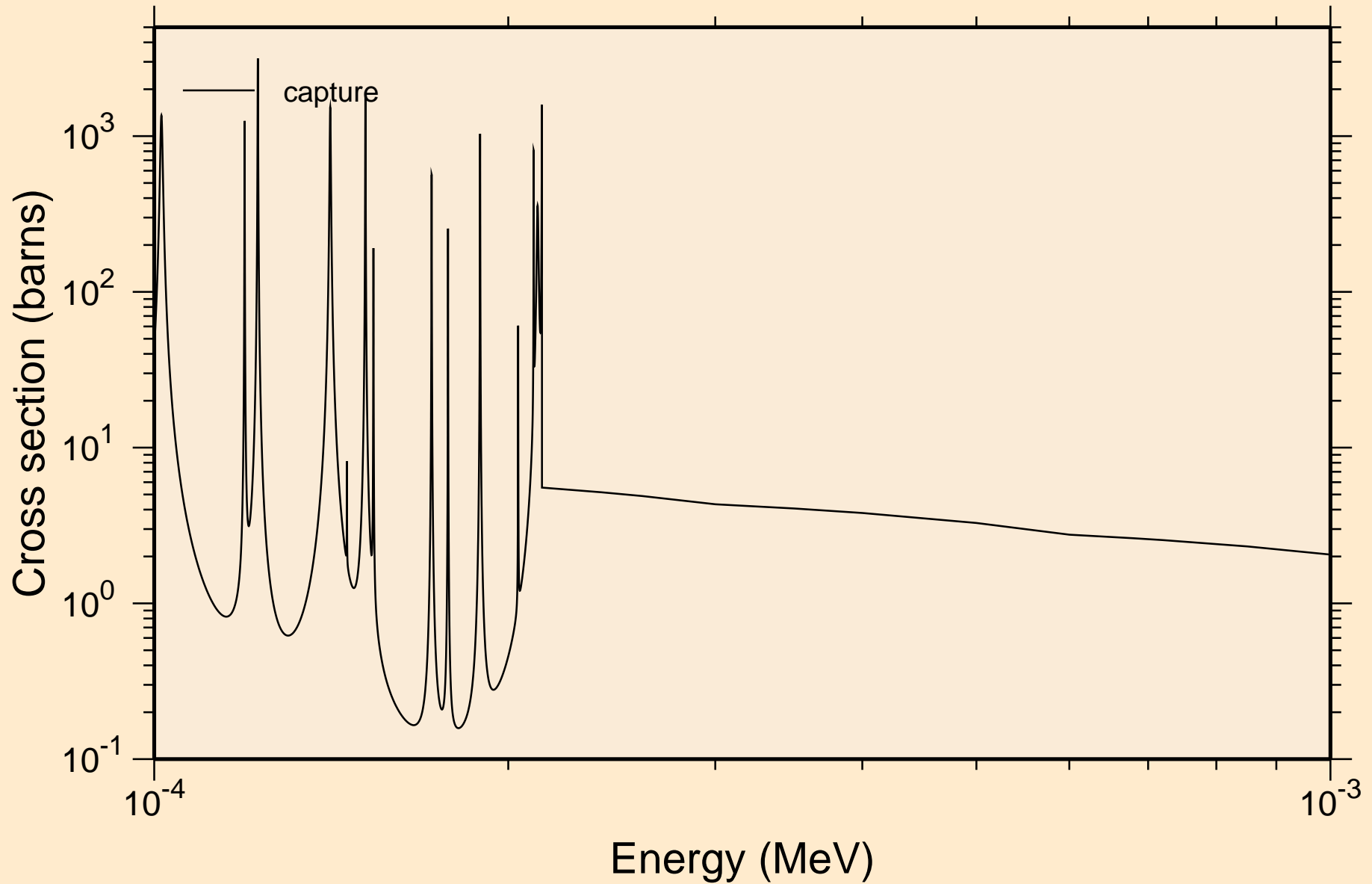
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



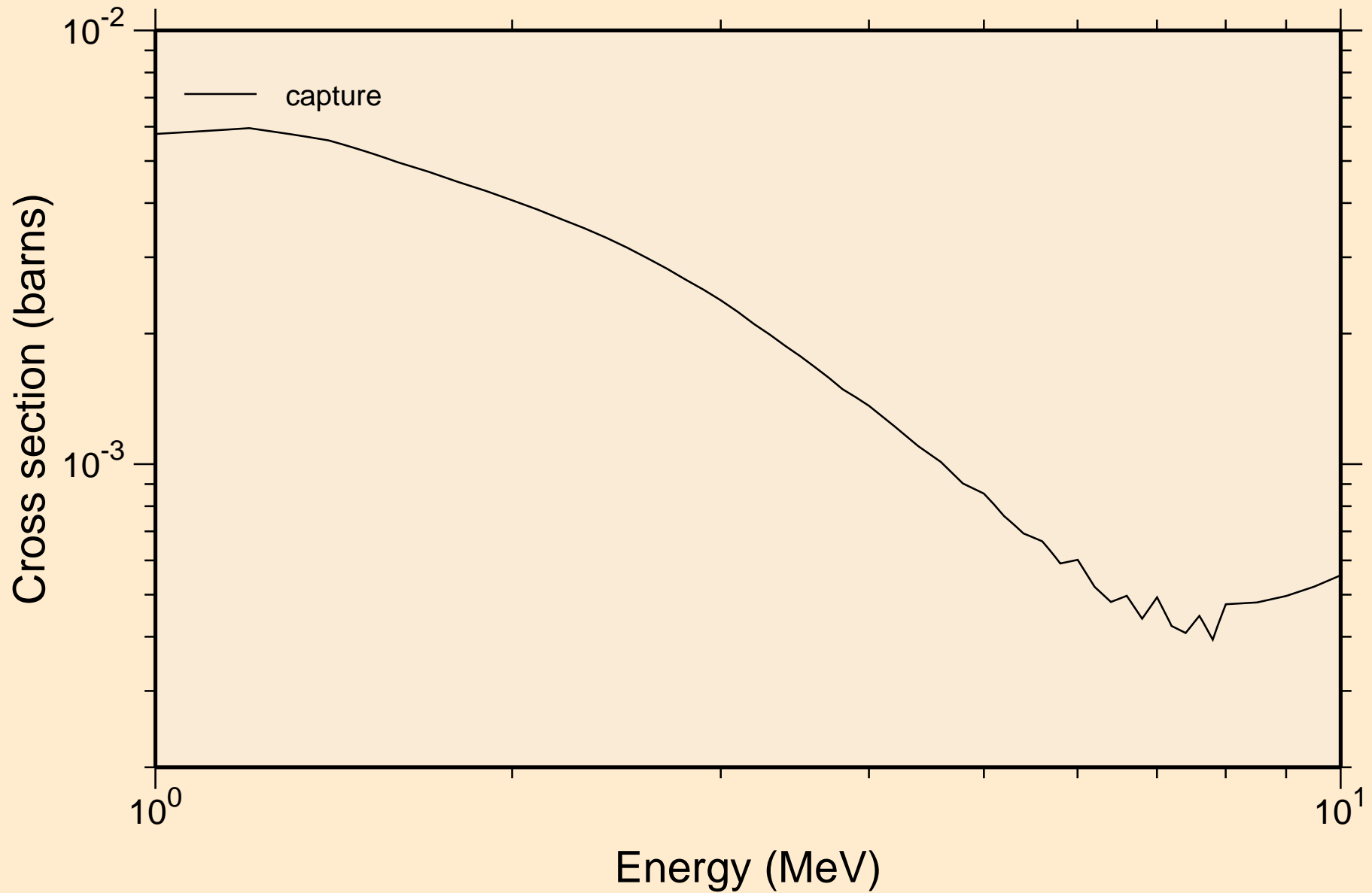
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



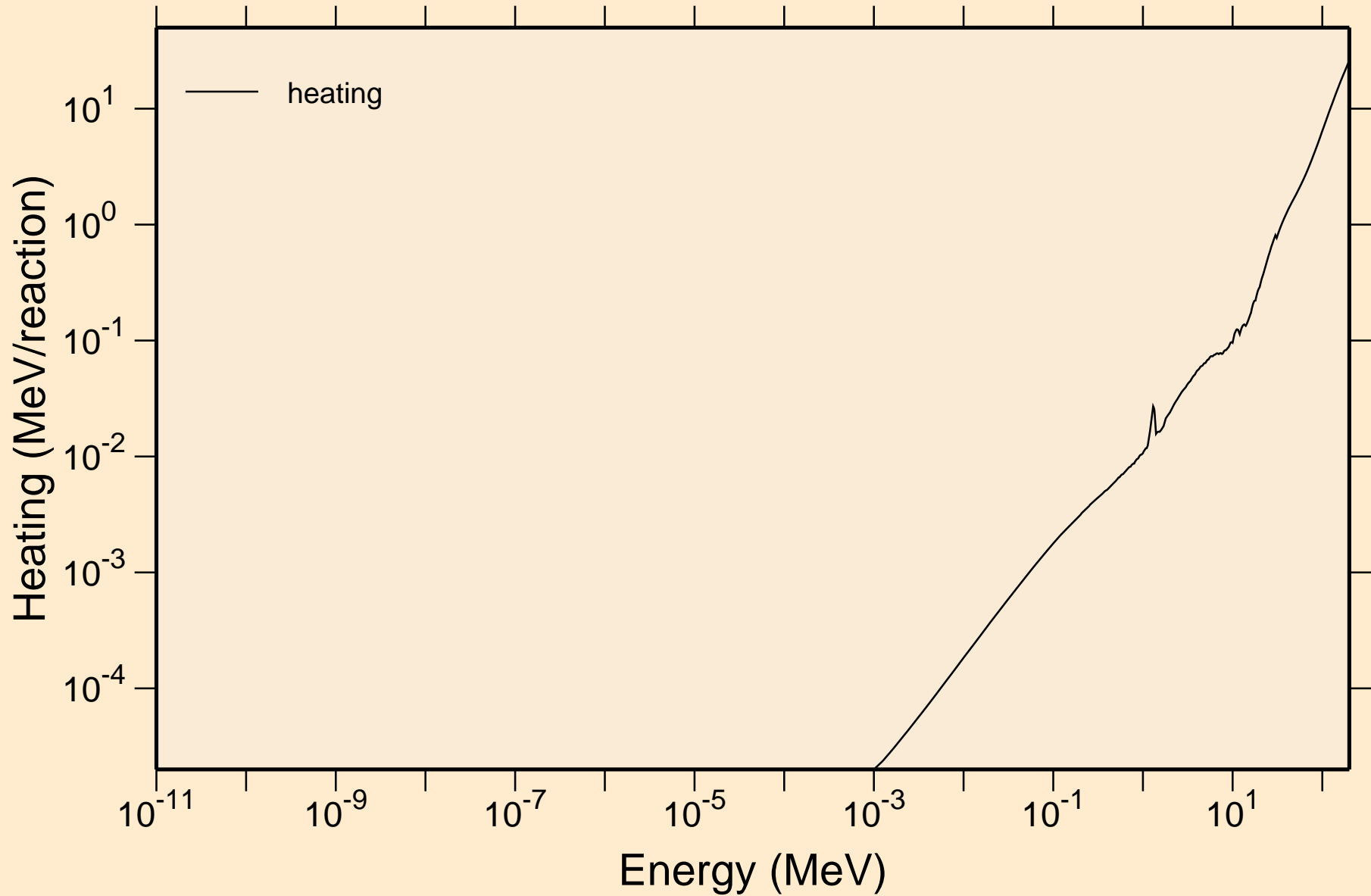
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



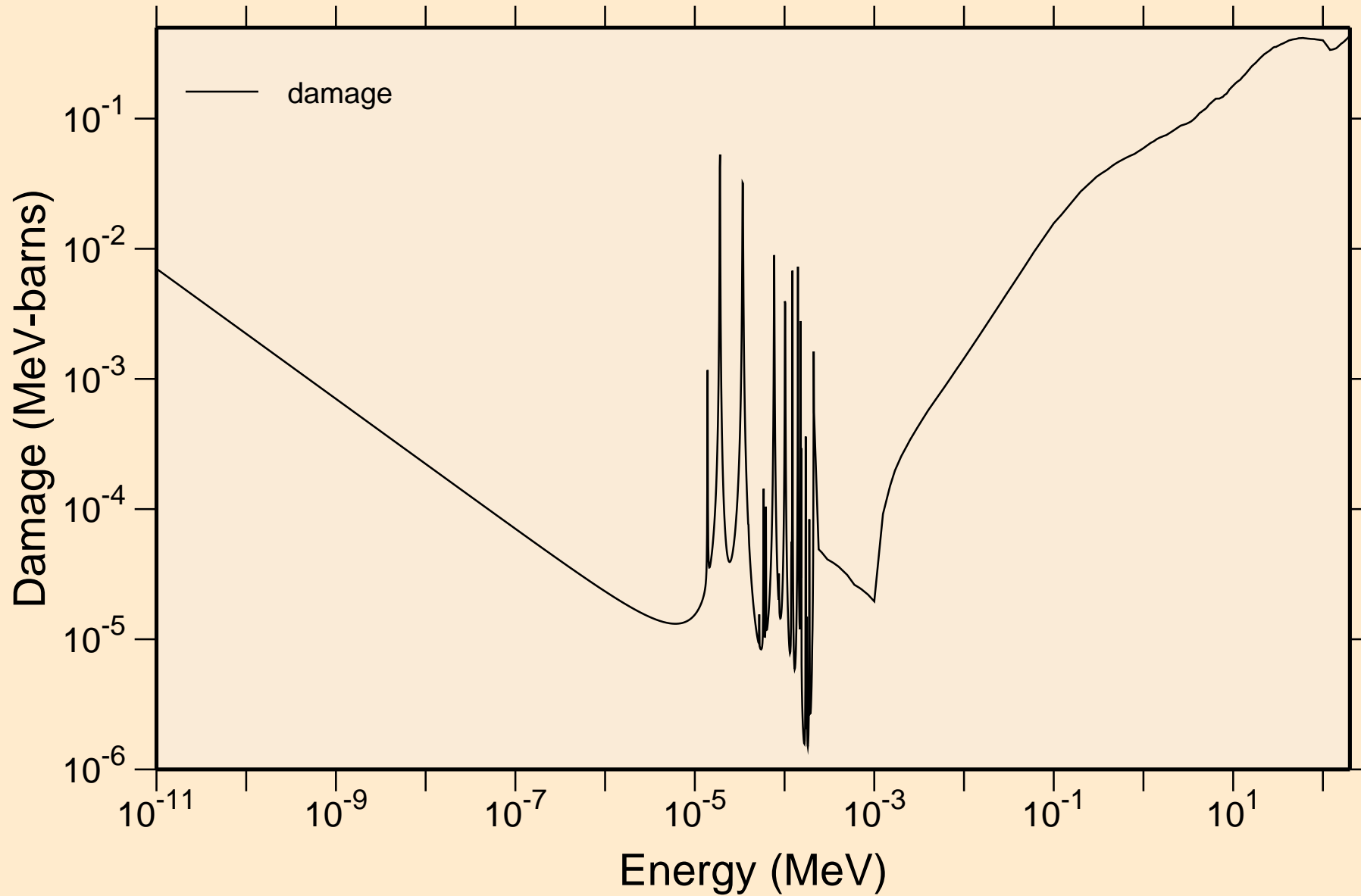
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Heating



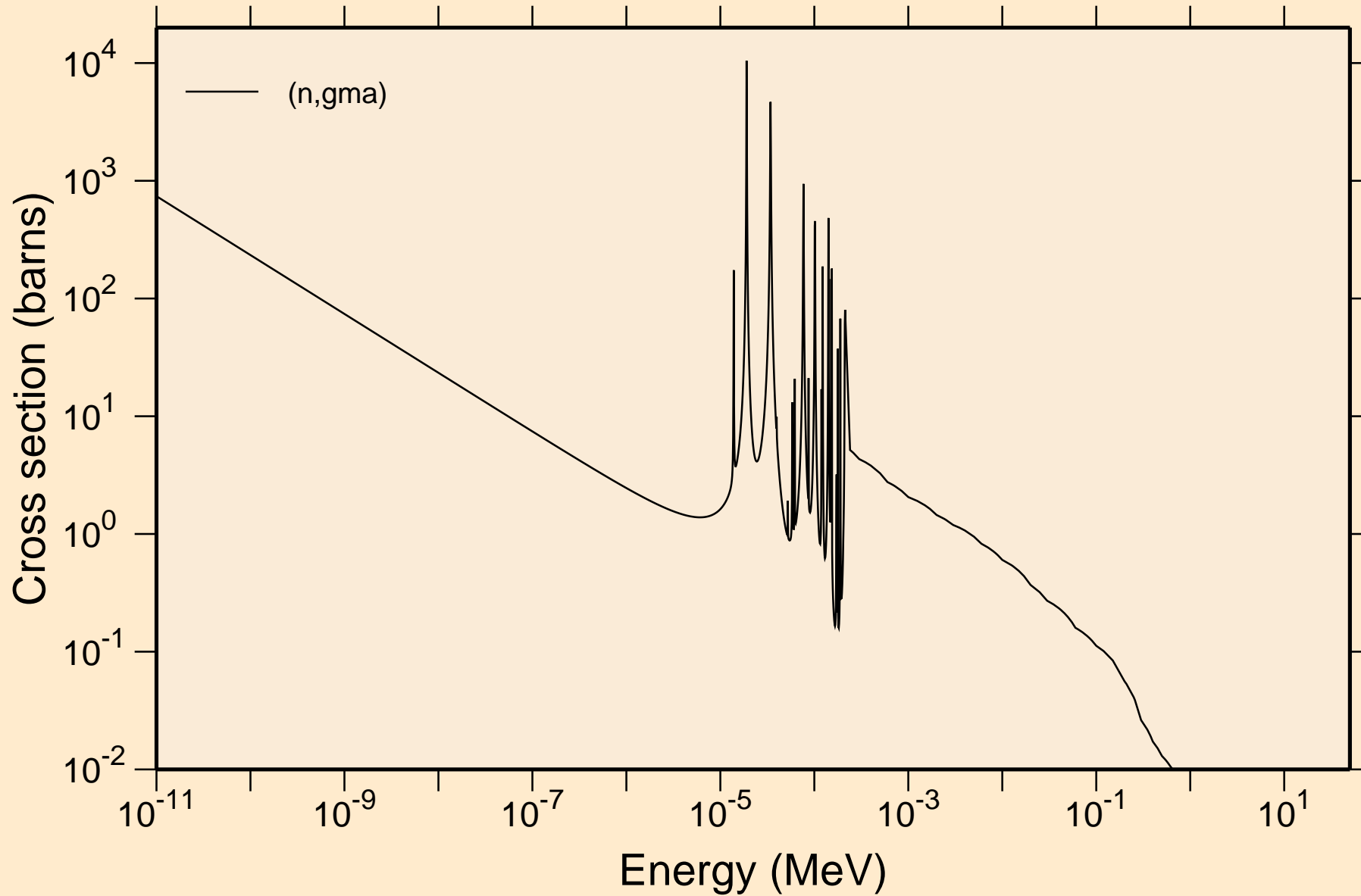


# NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage

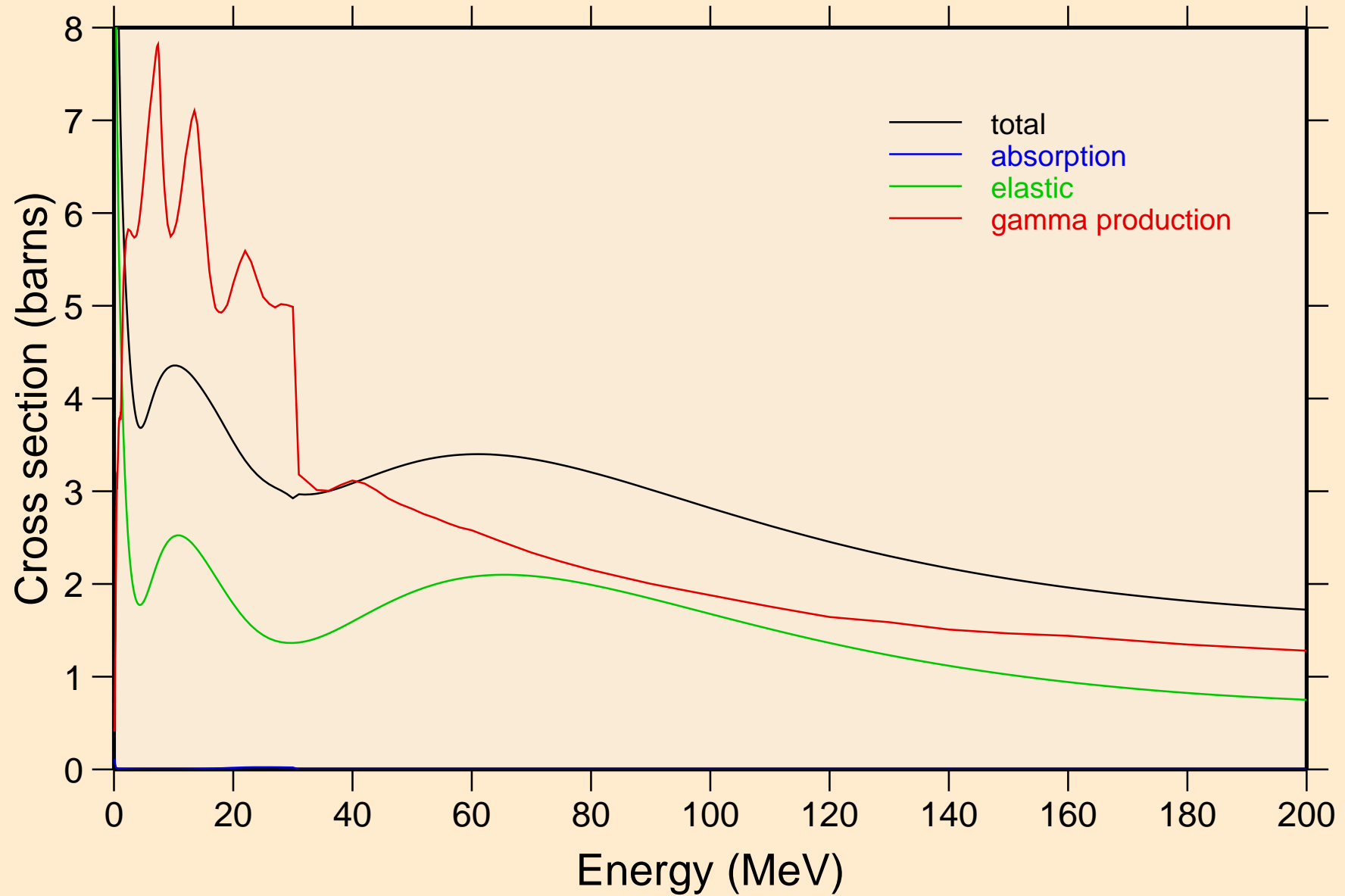


NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



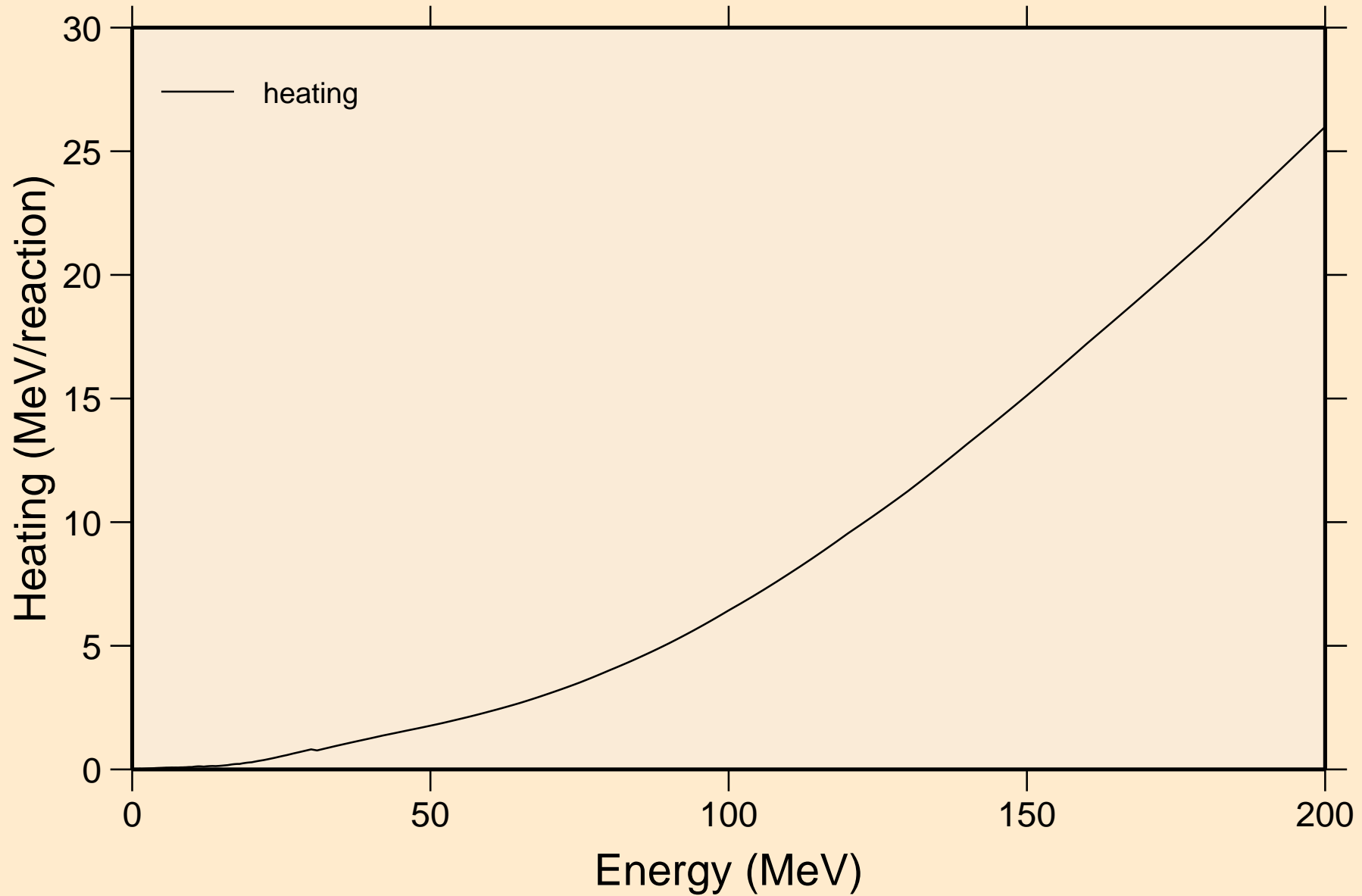
# NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections

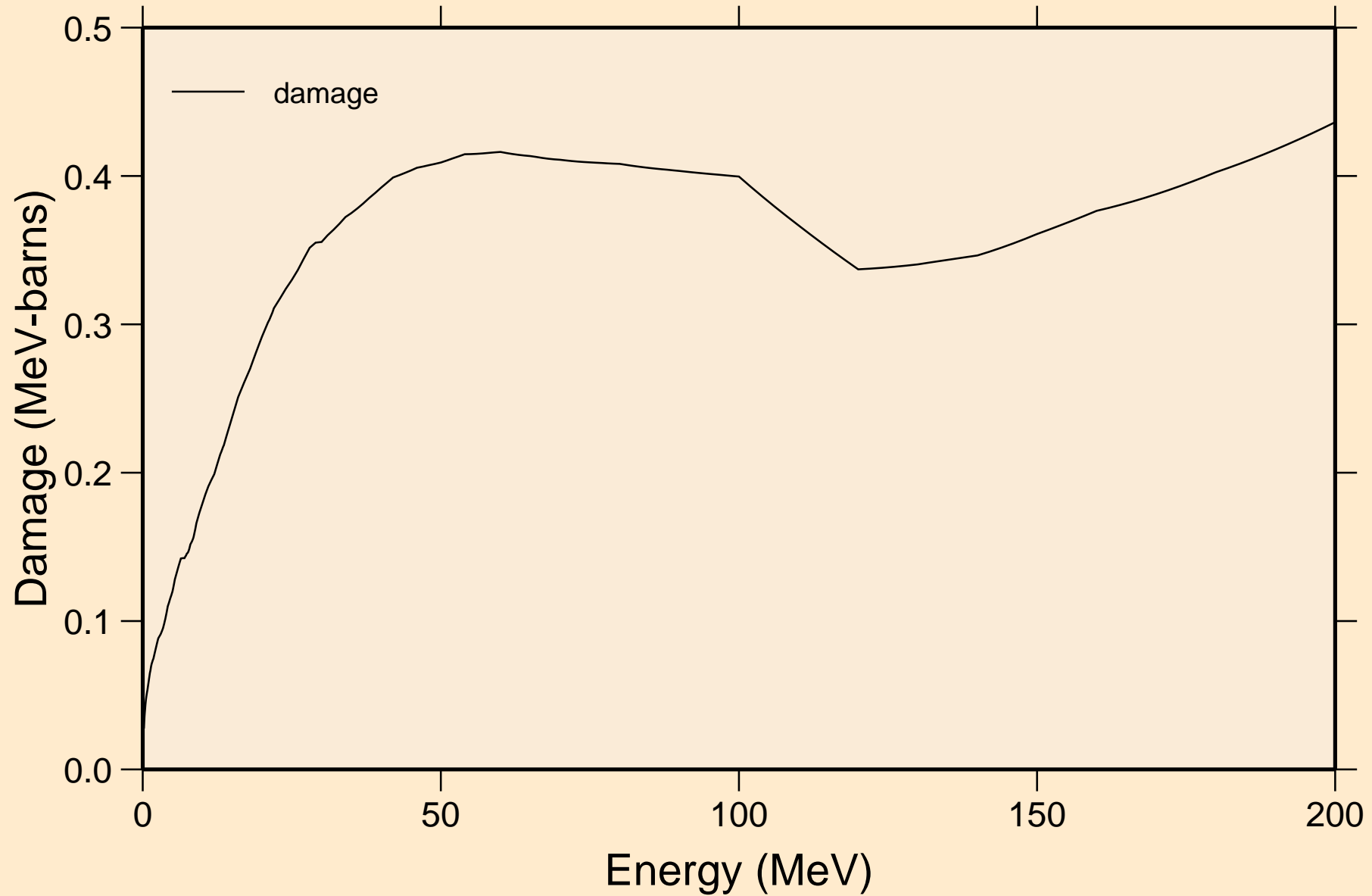


# NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

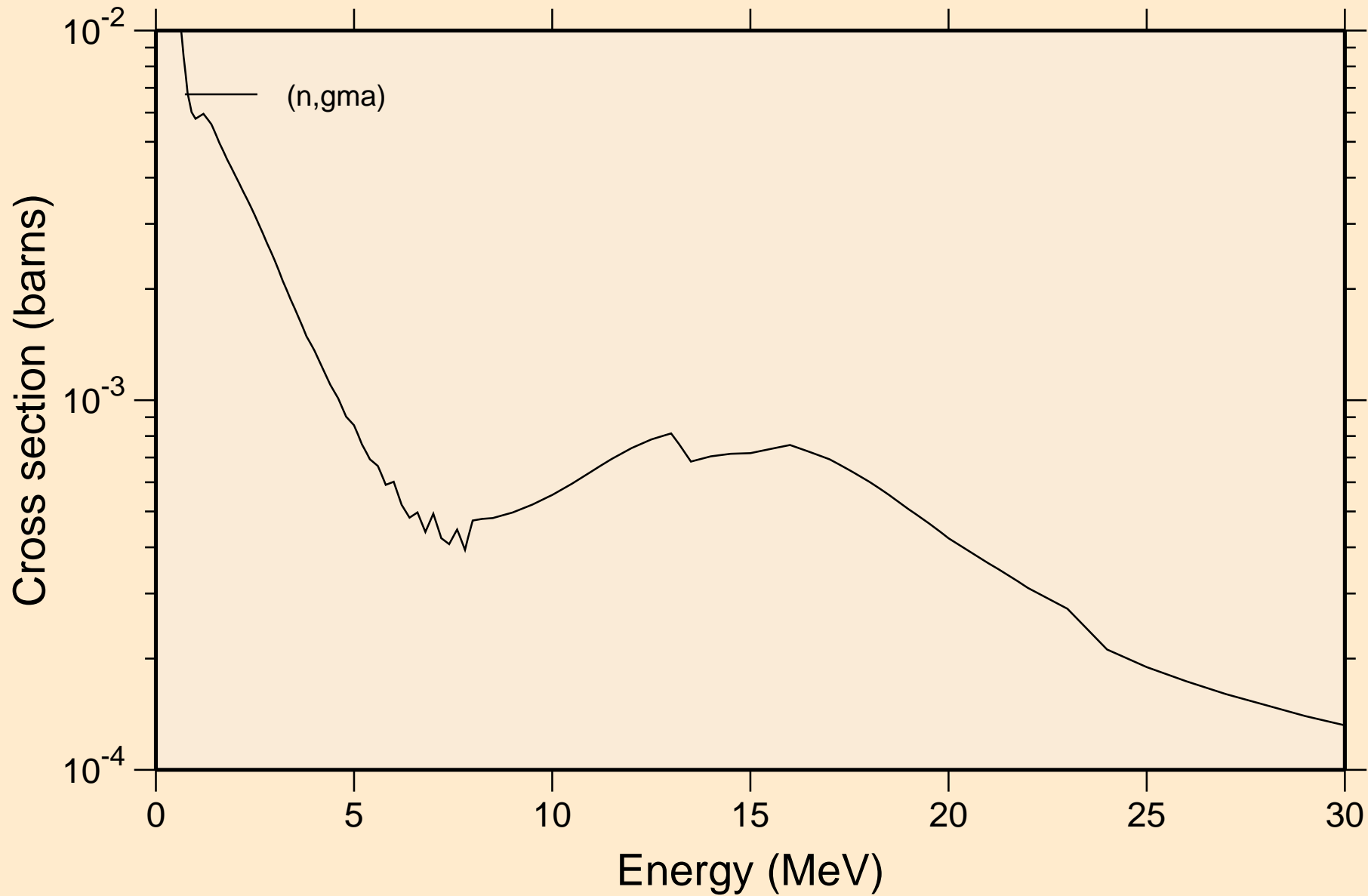
## Heating



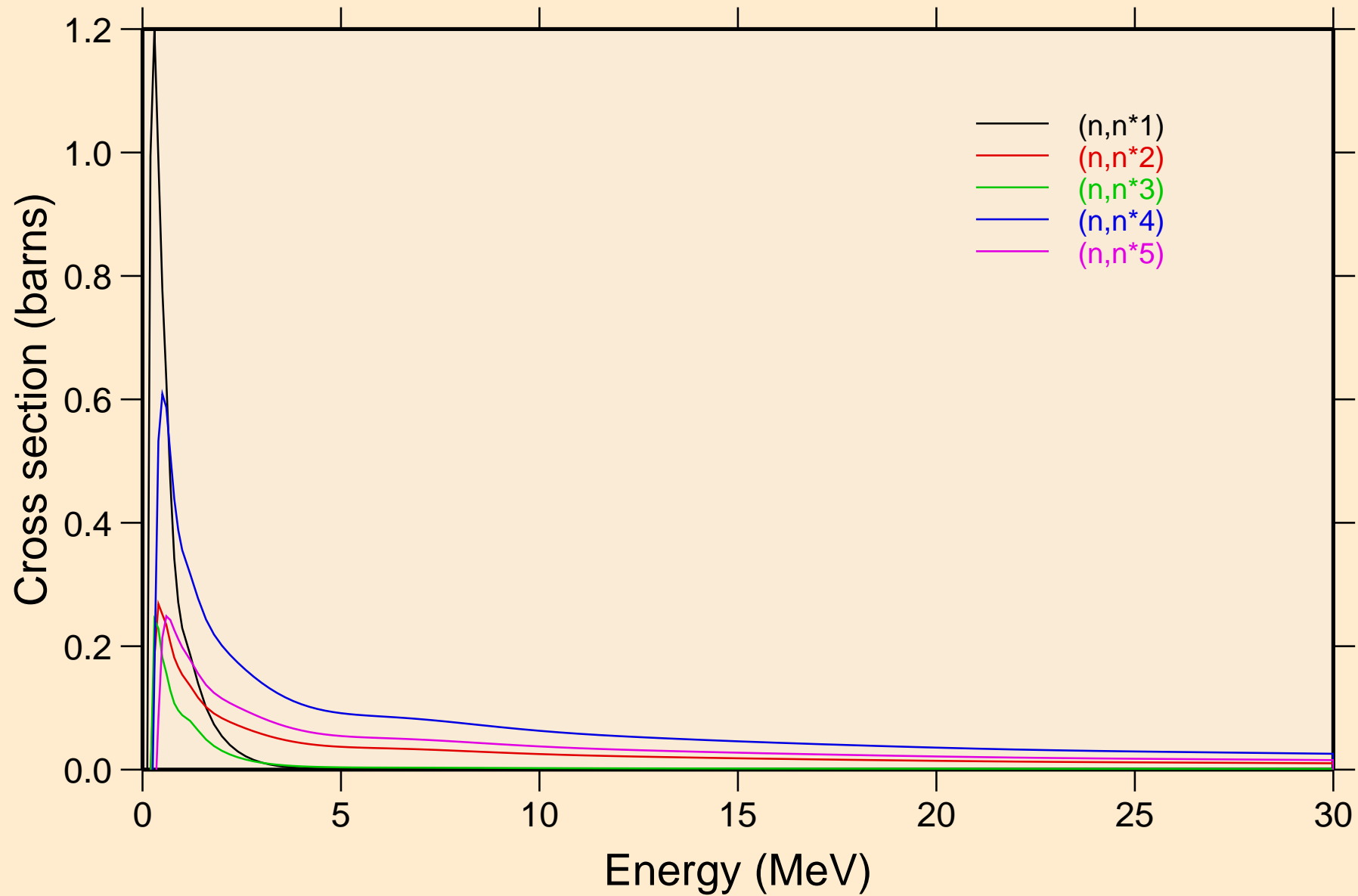
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage



NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

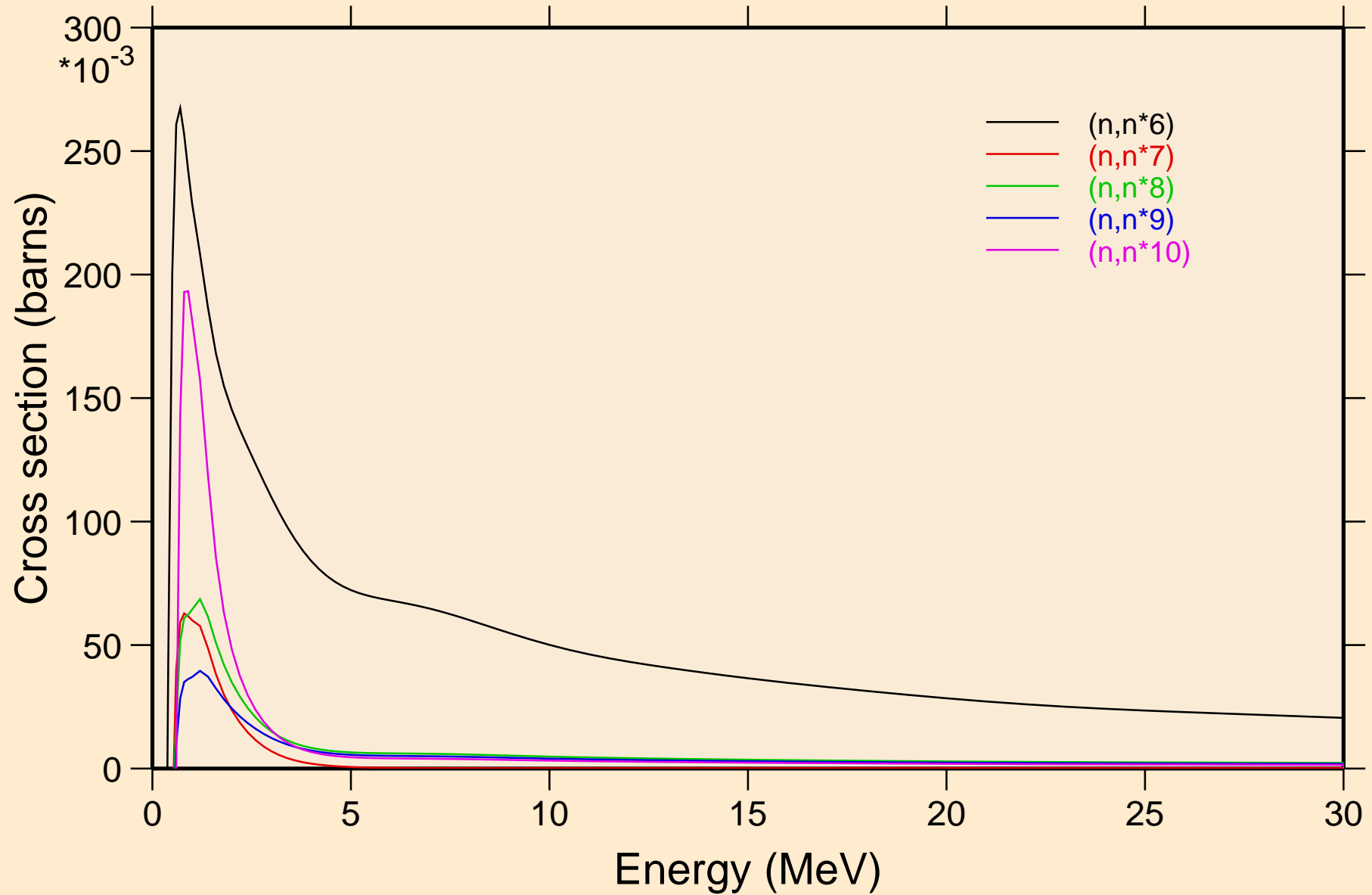


NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



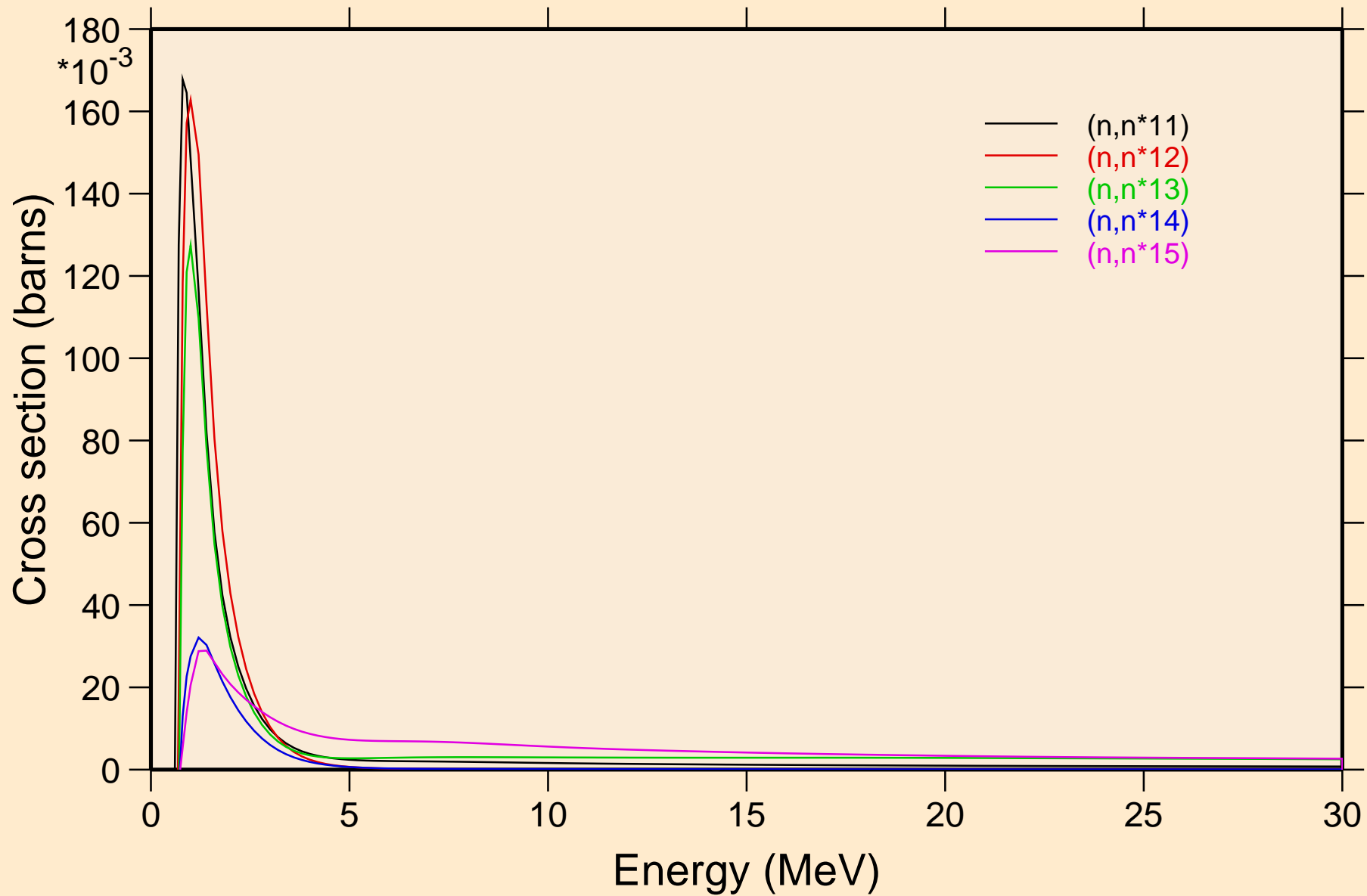
# NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels

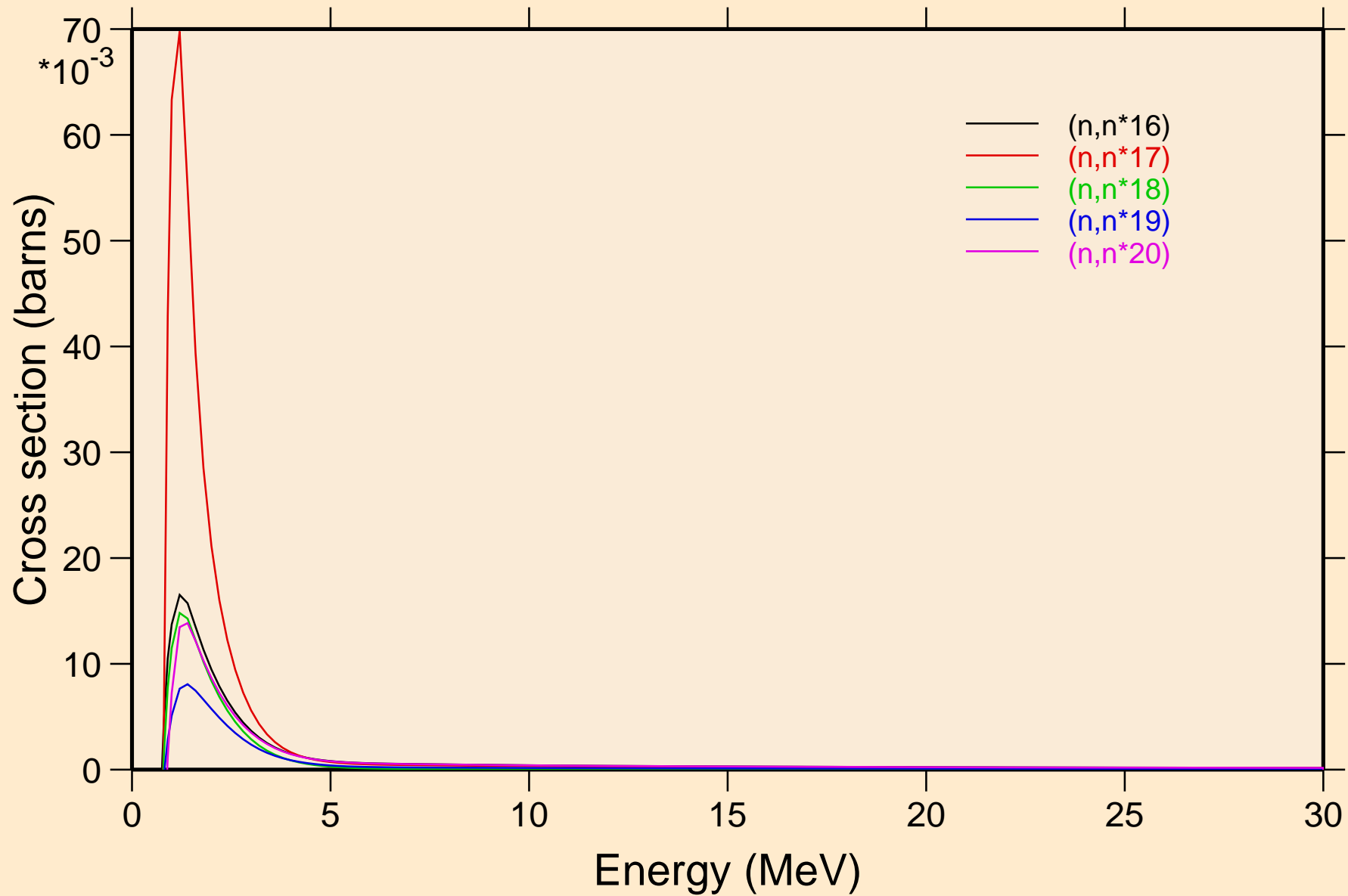




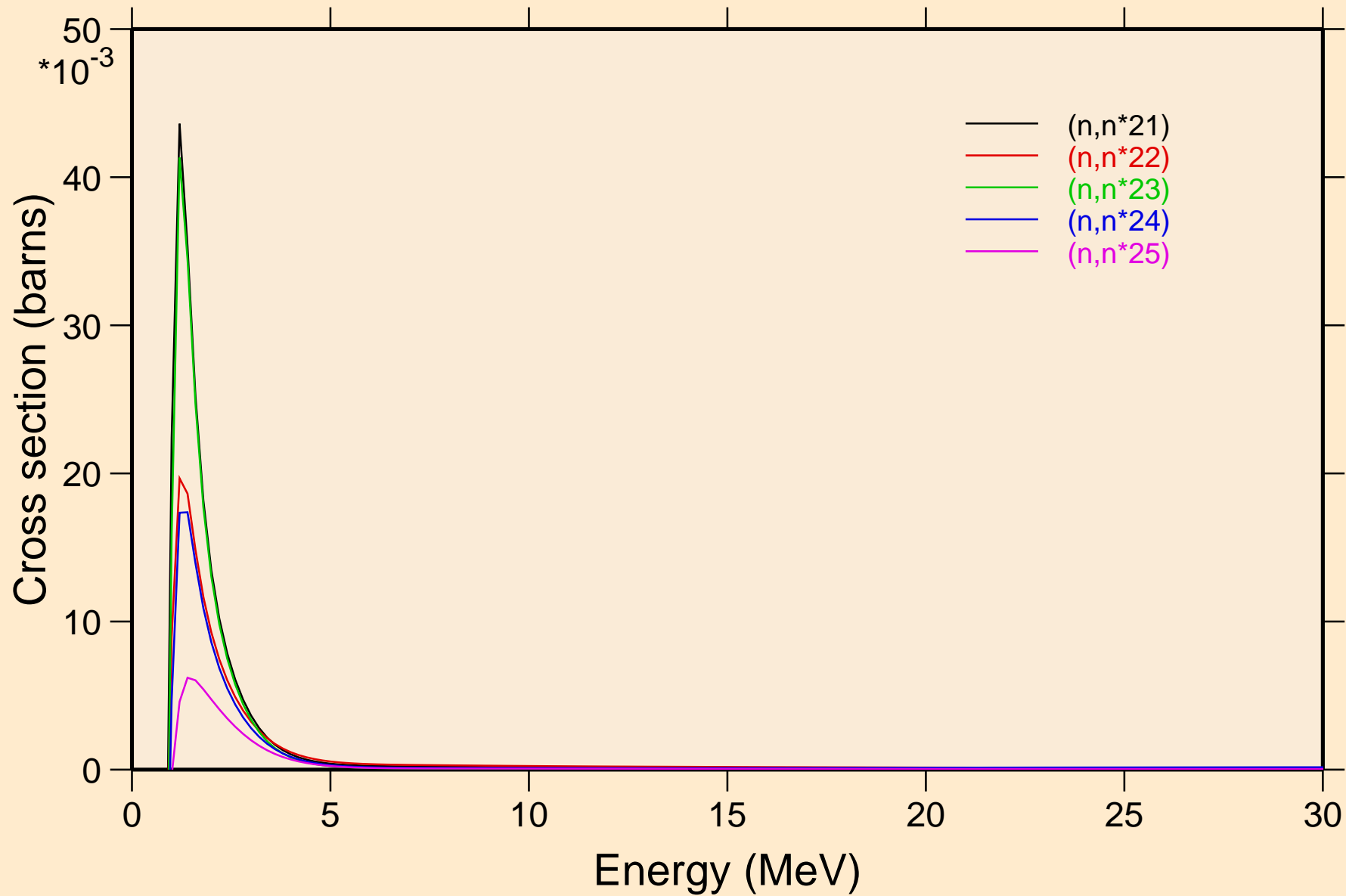
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

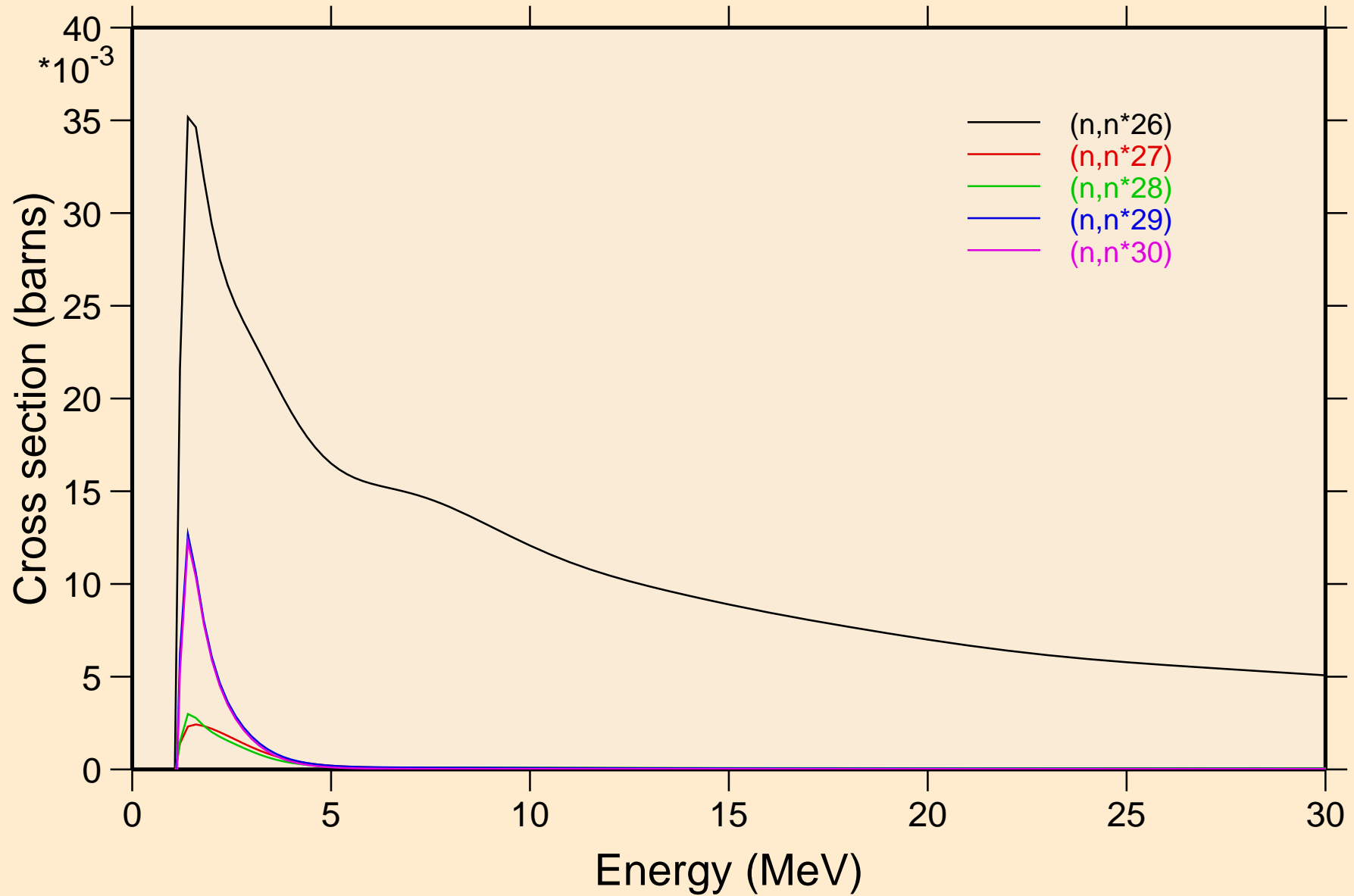


NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



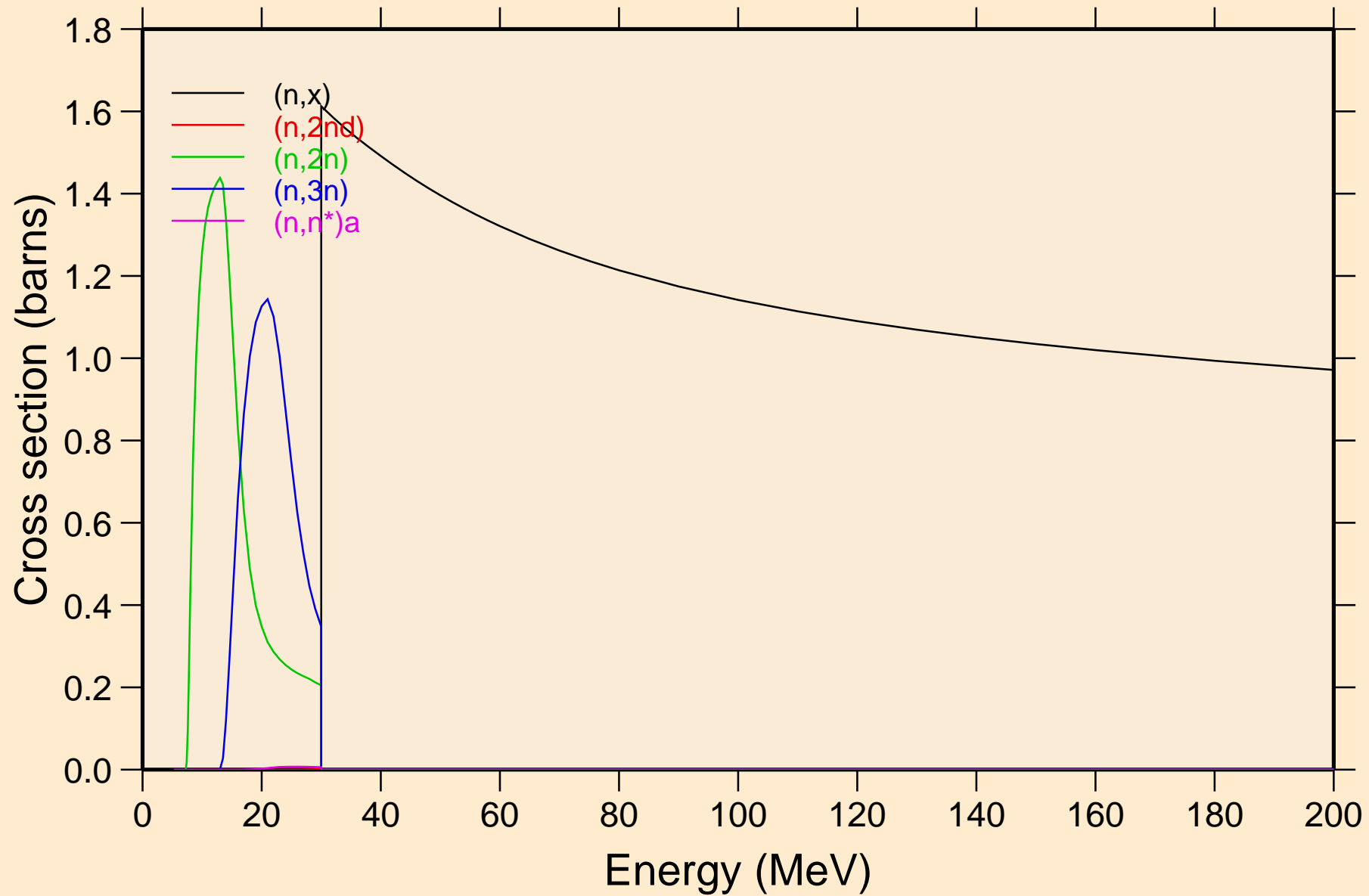
# NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



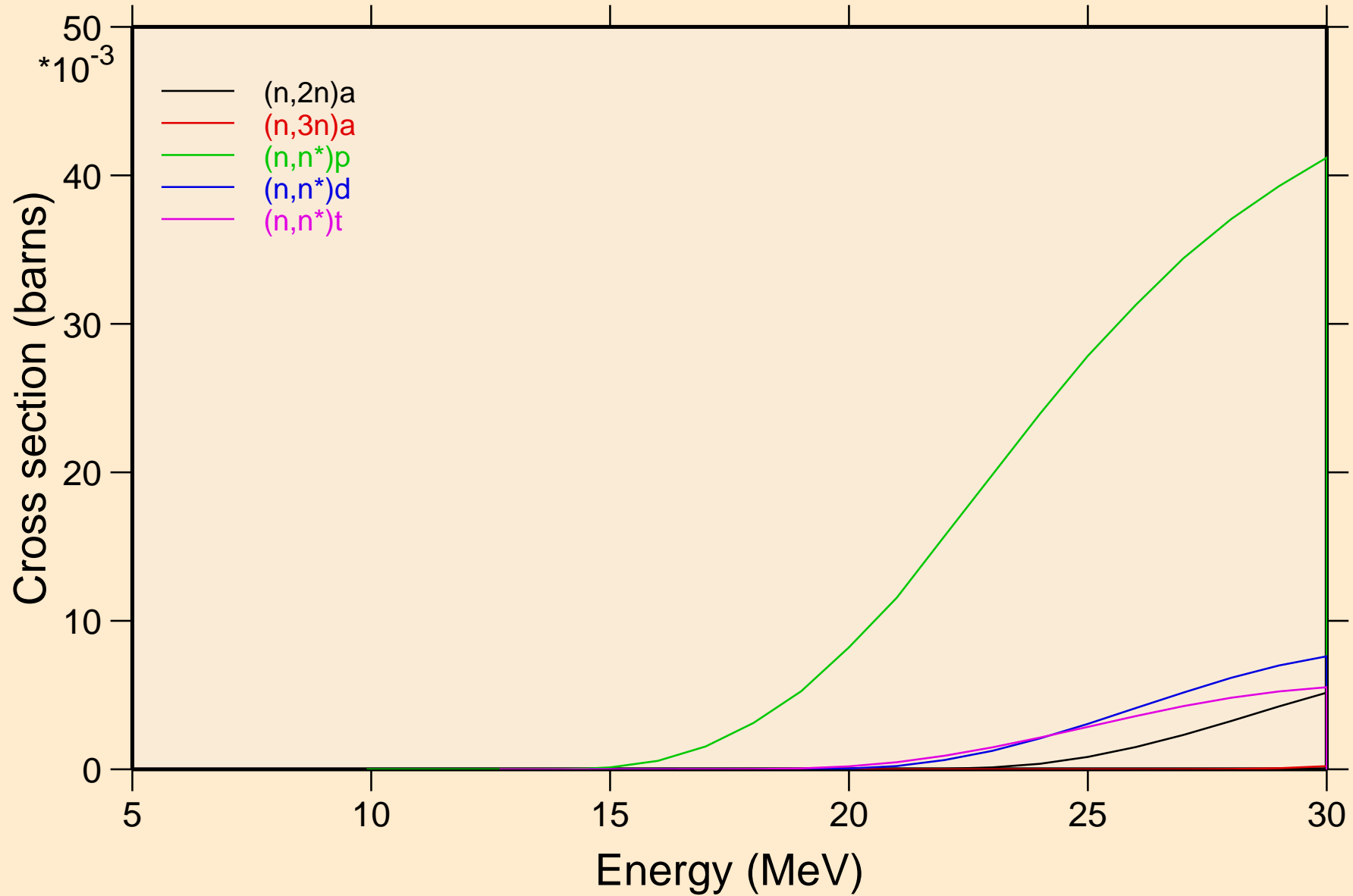
# NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

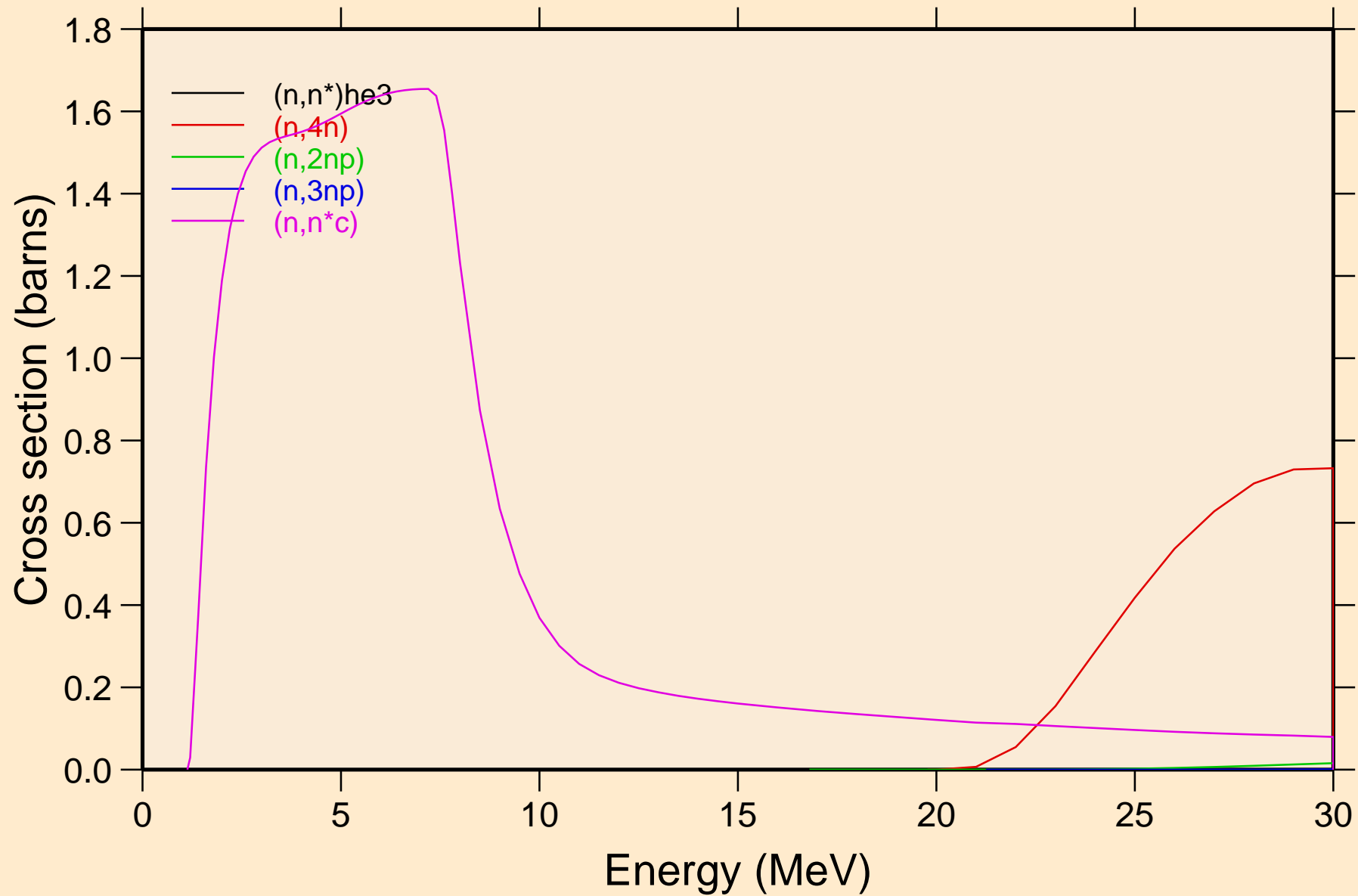


# NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

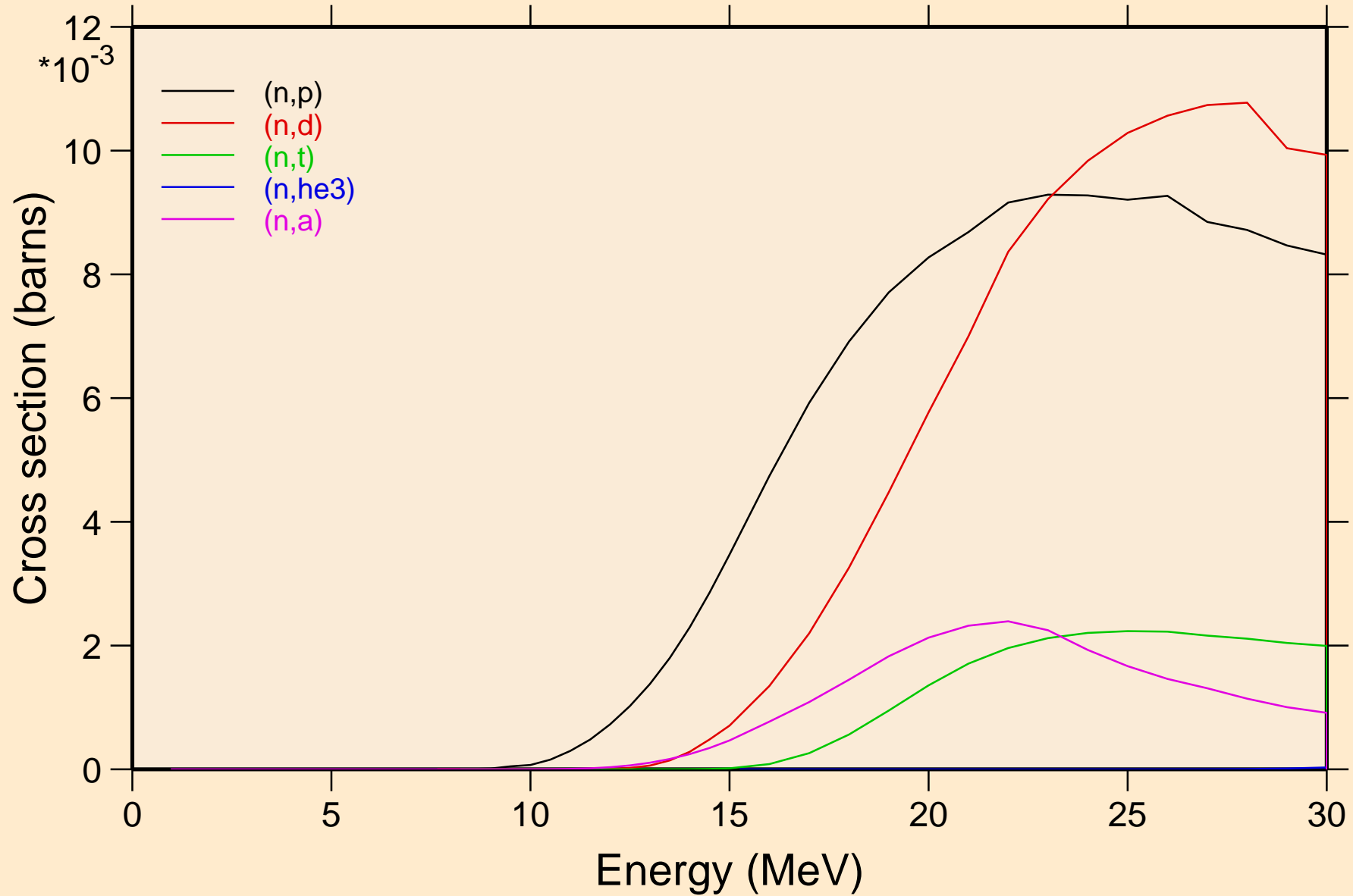
## Threshold reactions



NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

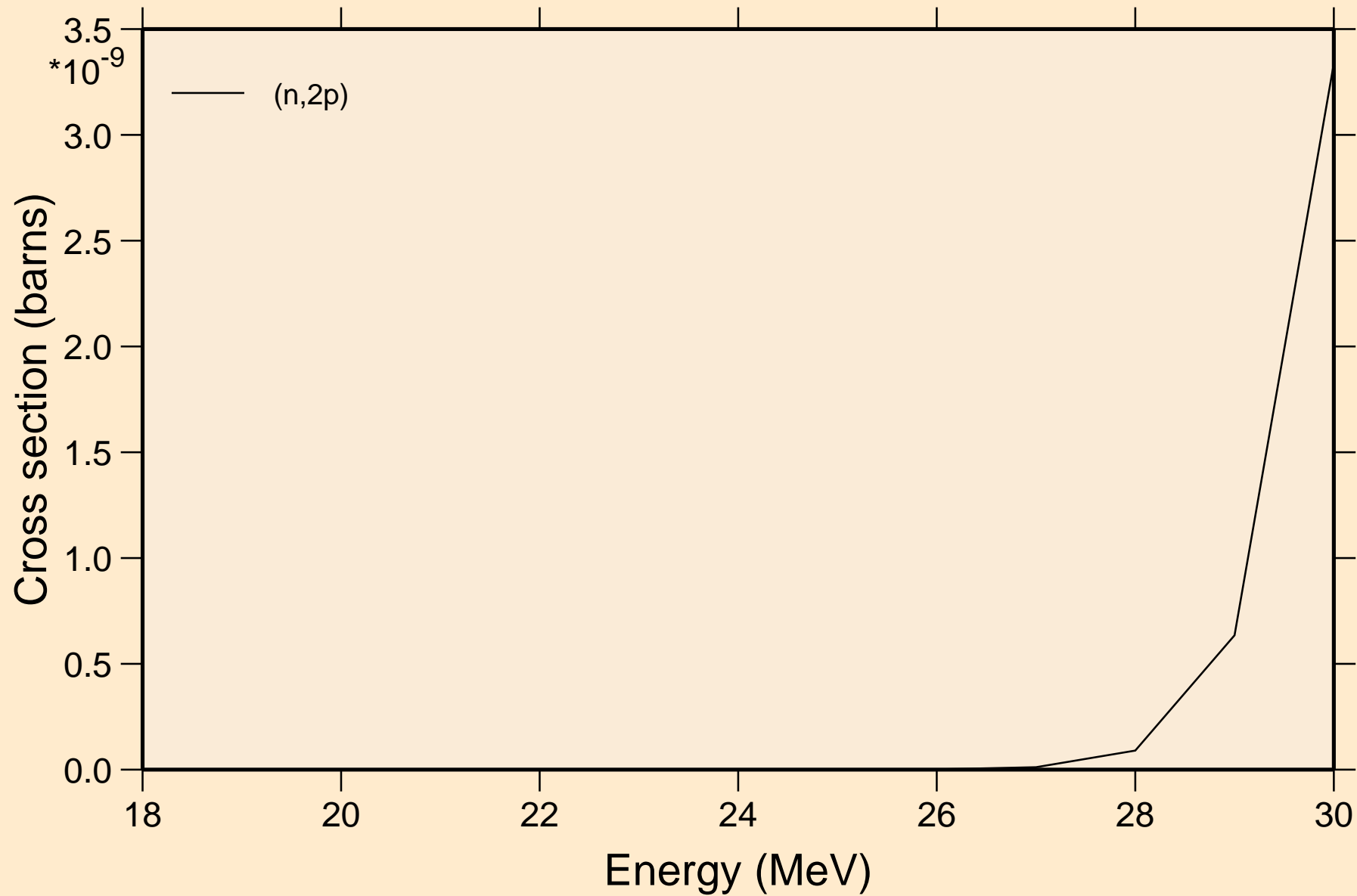


NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



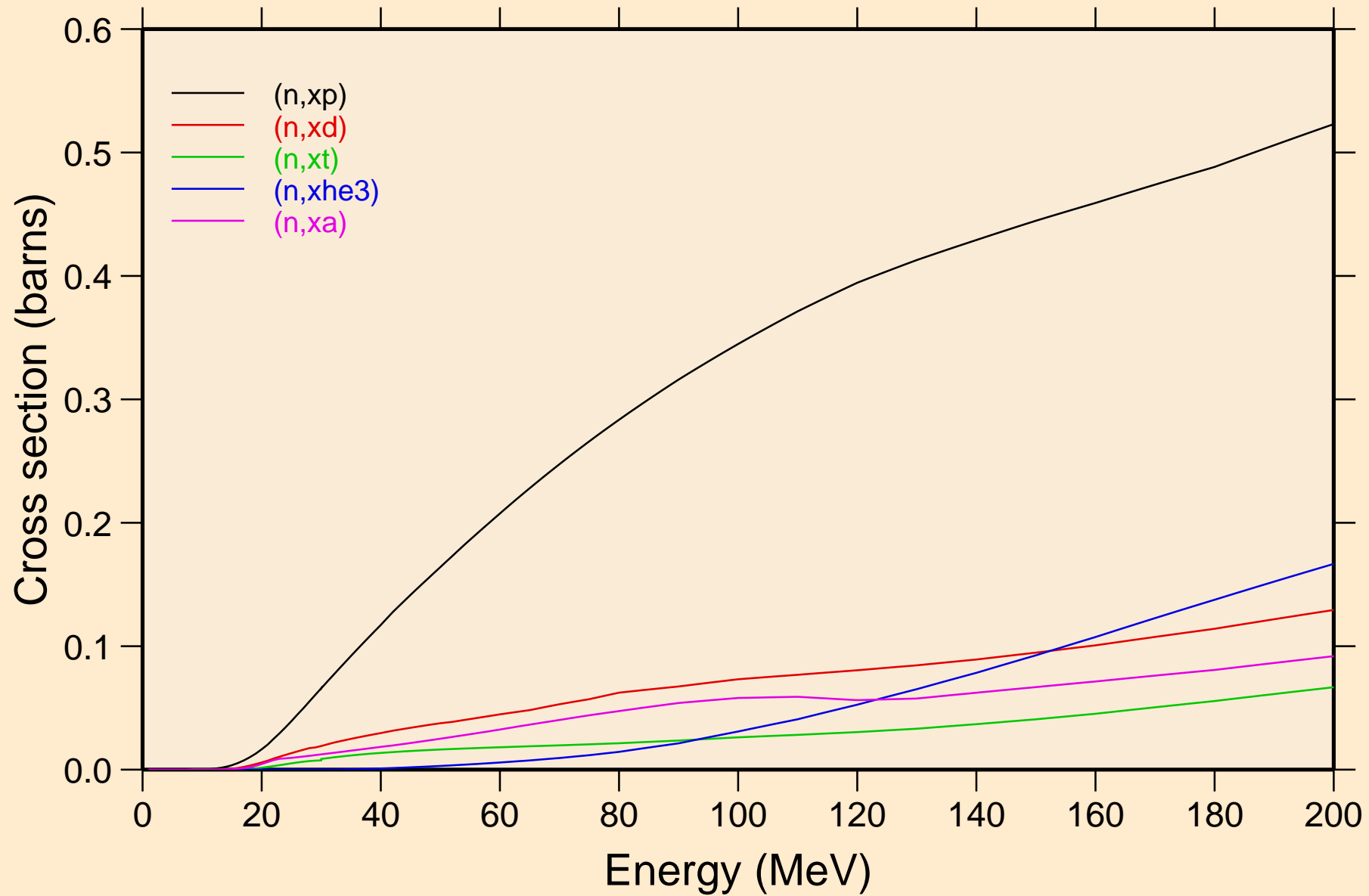


NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

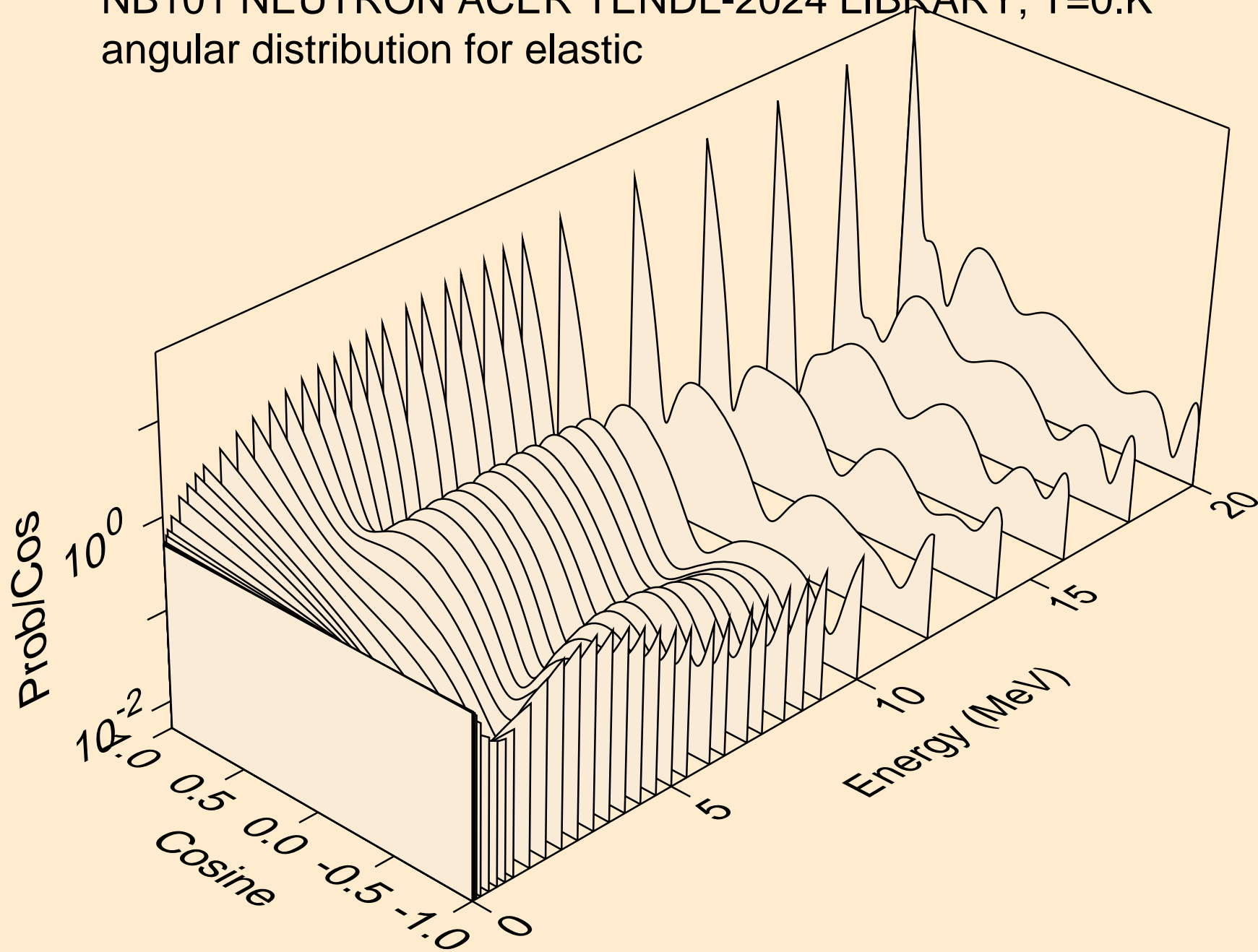


# NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

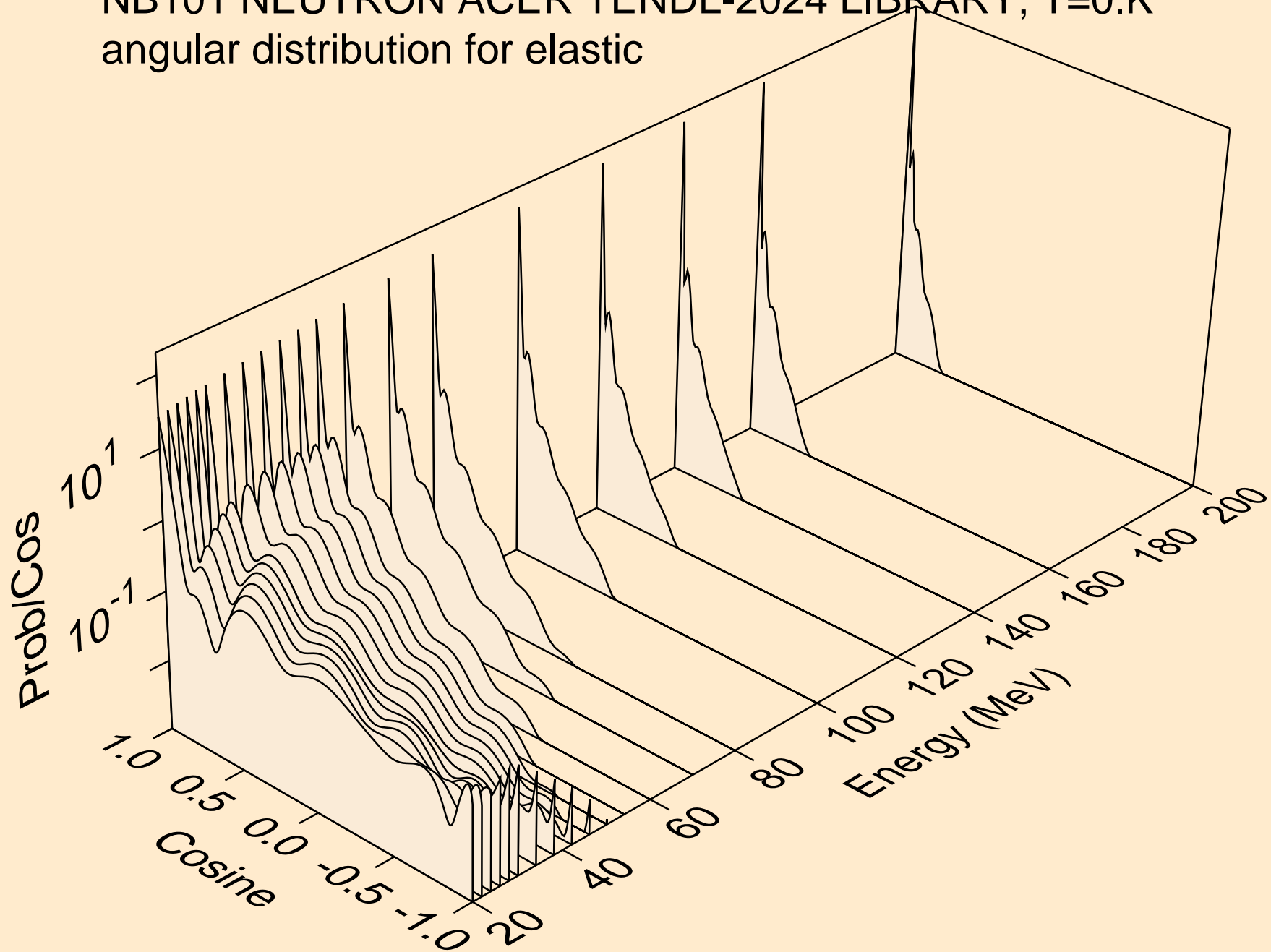
## Threshold reactions



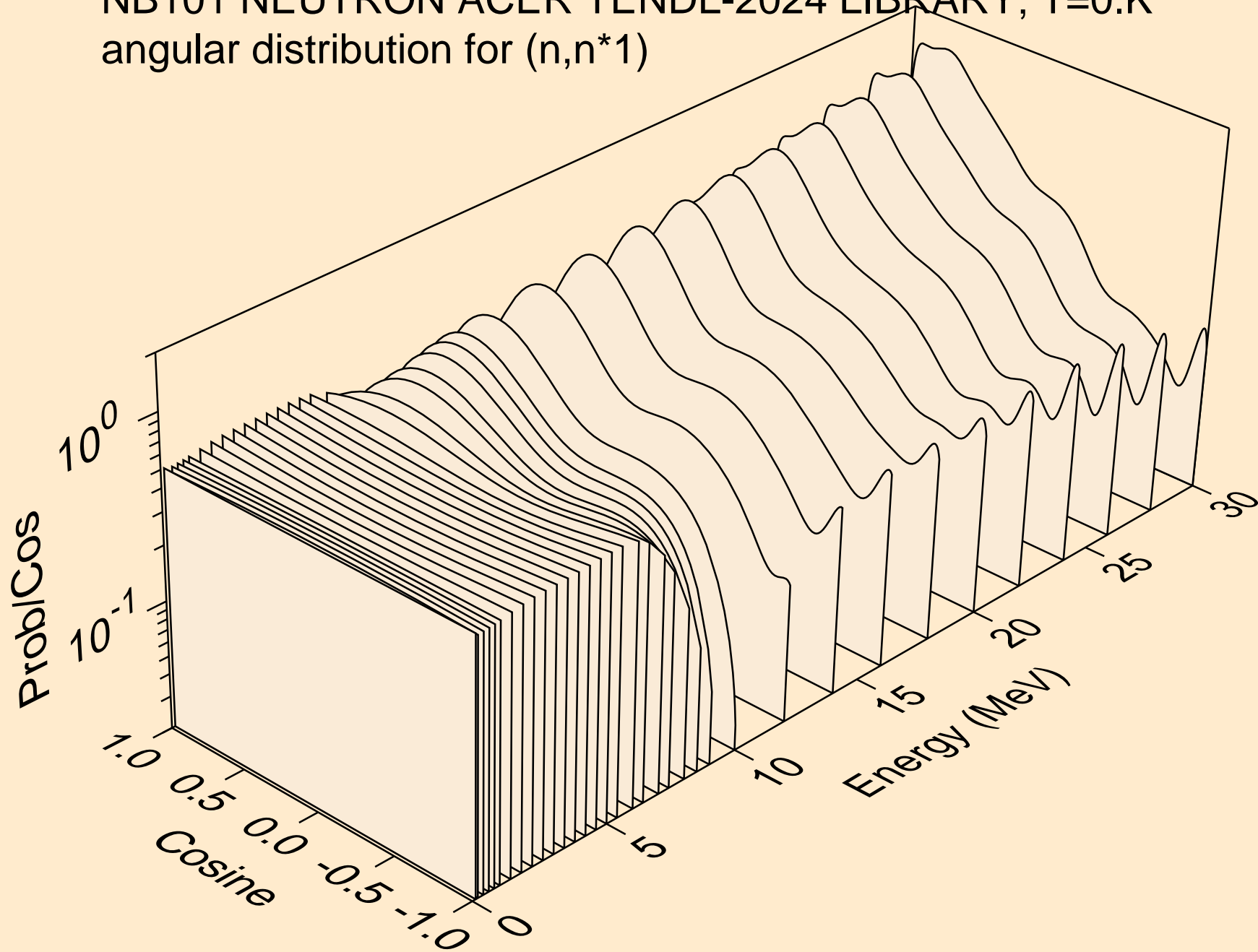
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



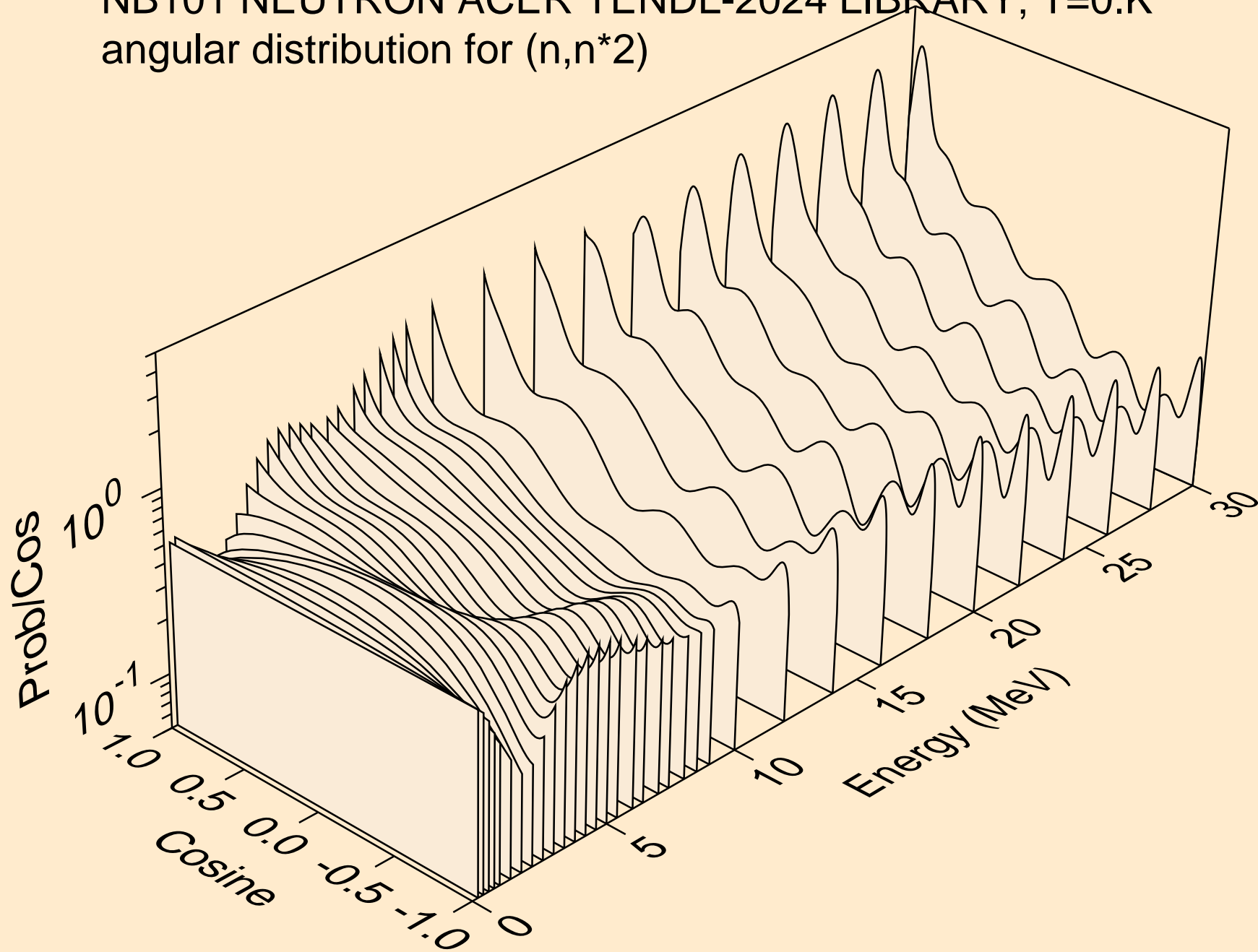
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



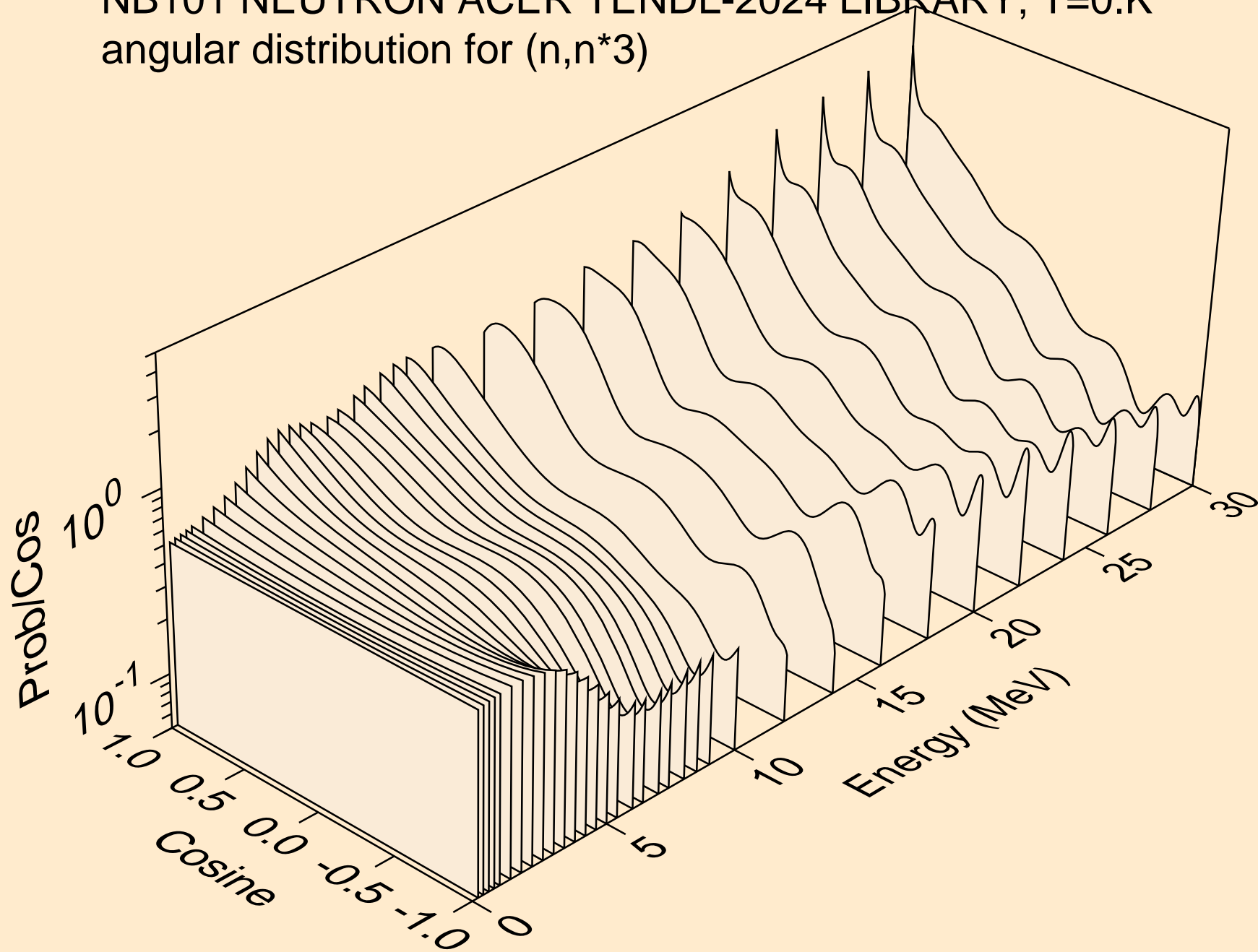
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



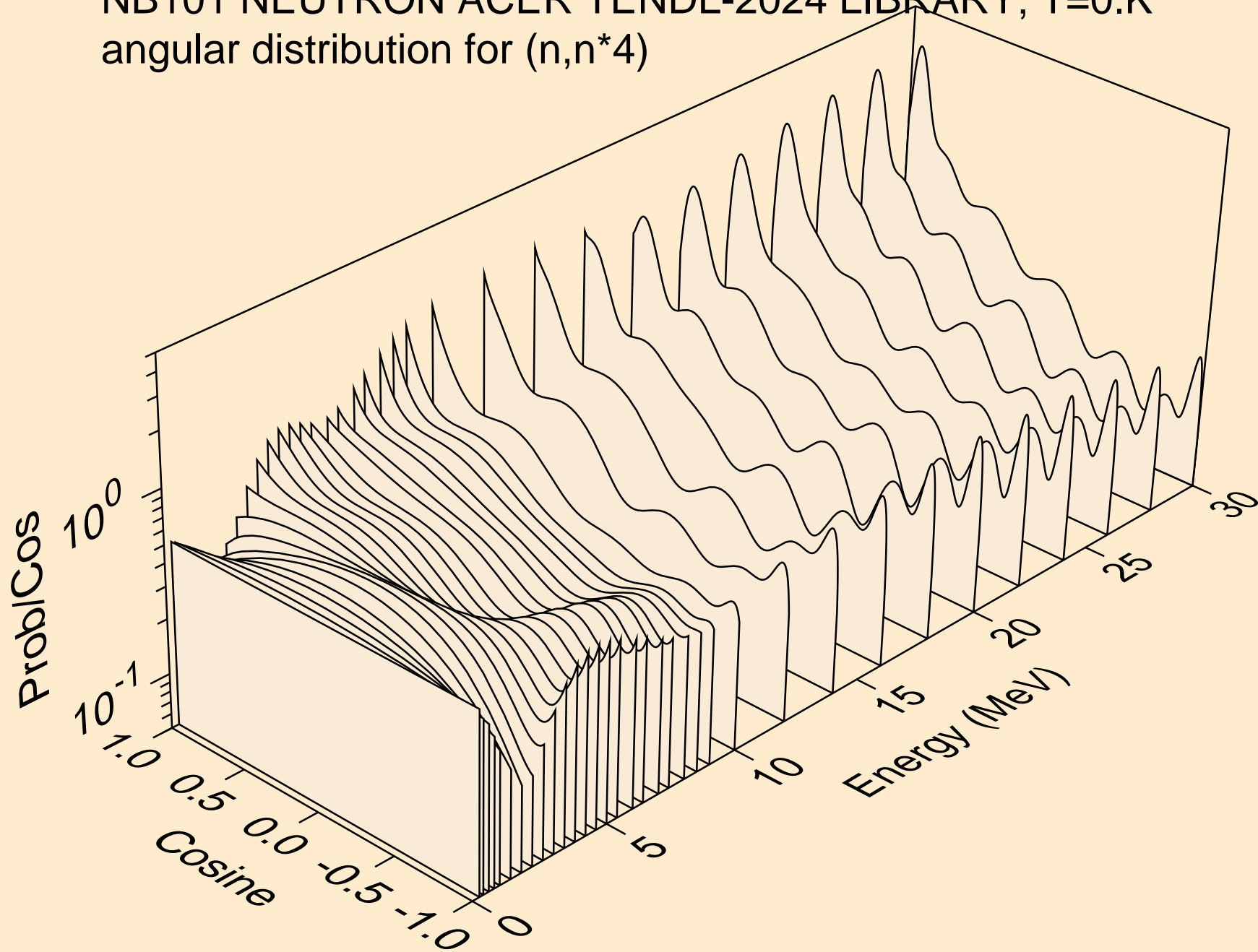
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)

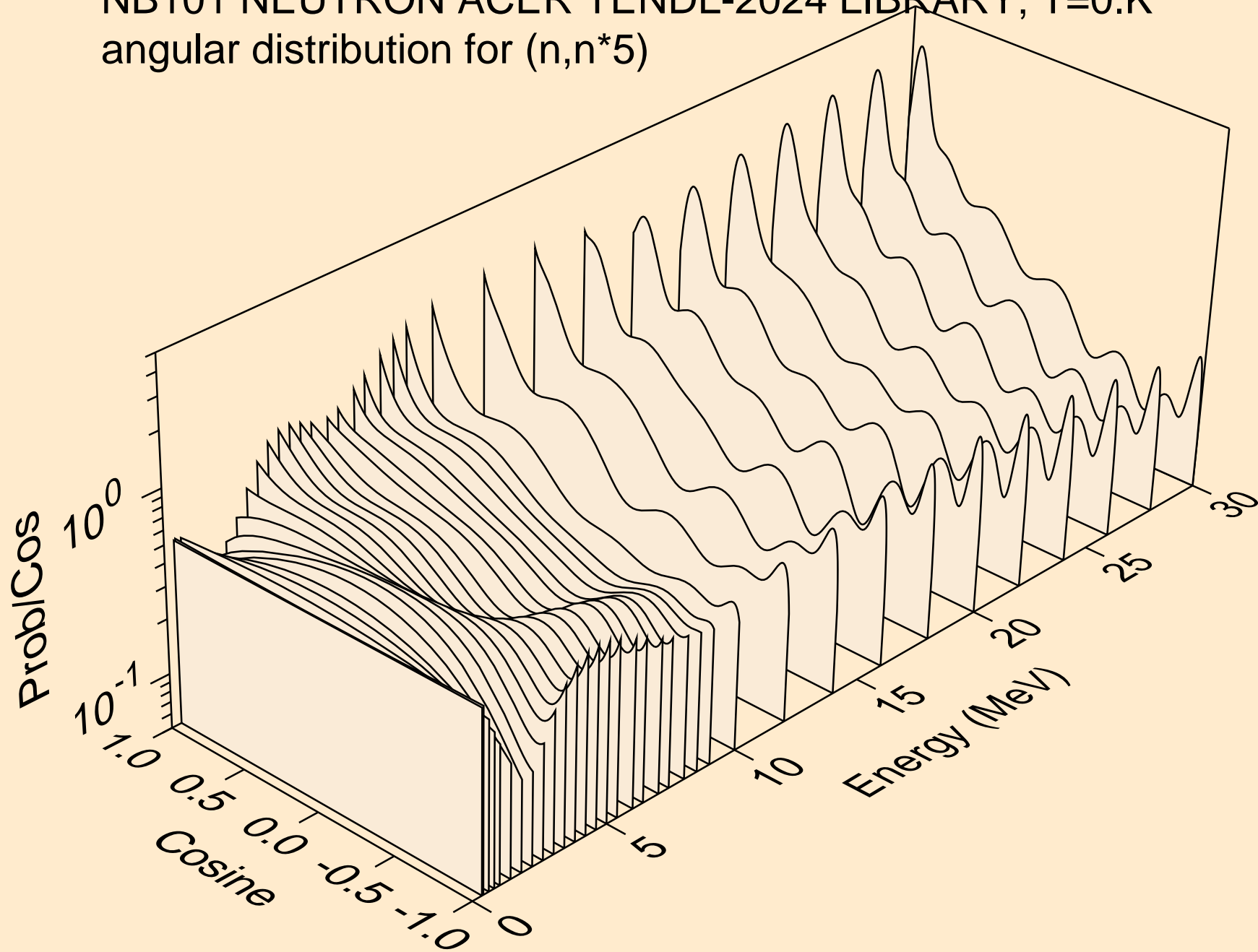


NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)

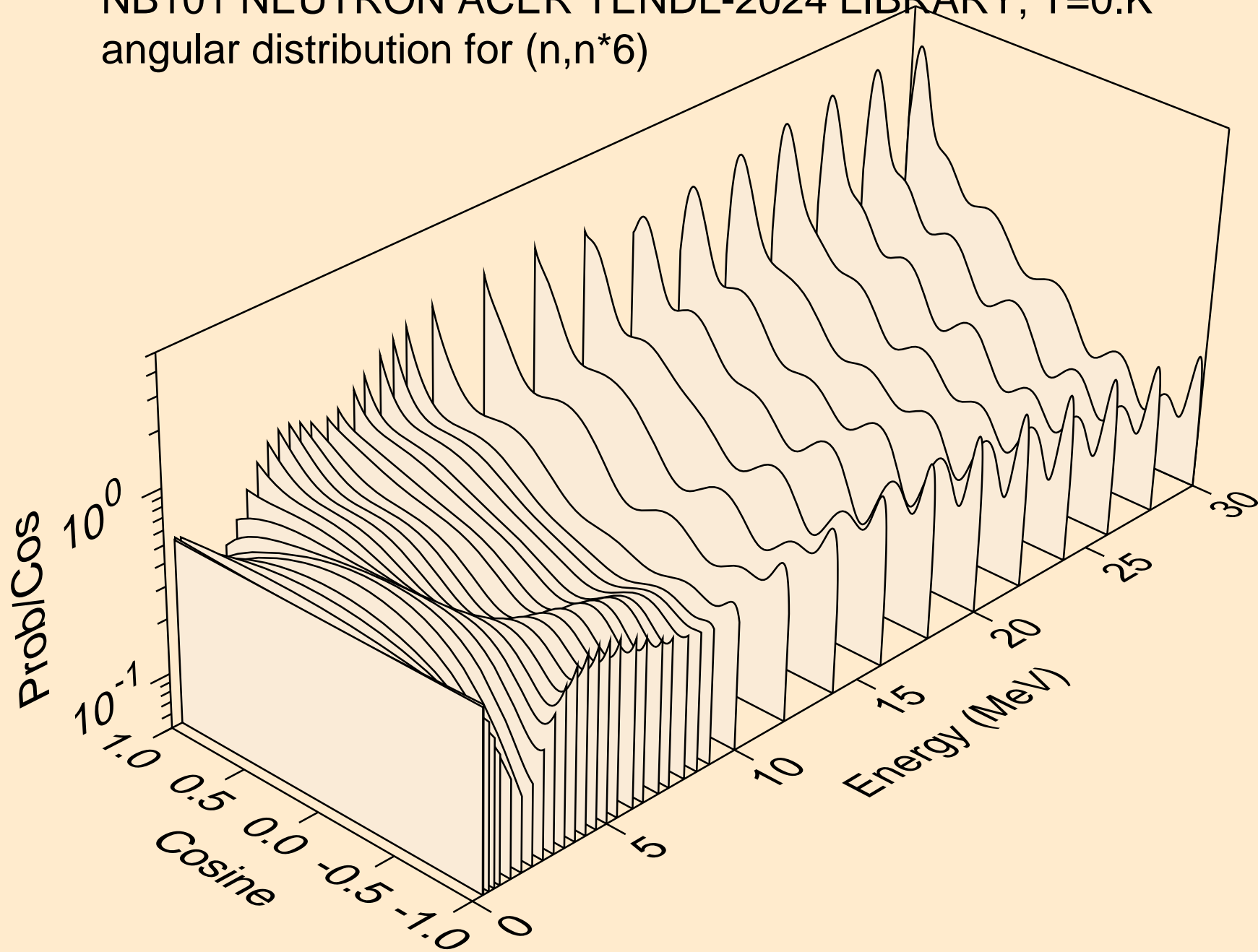




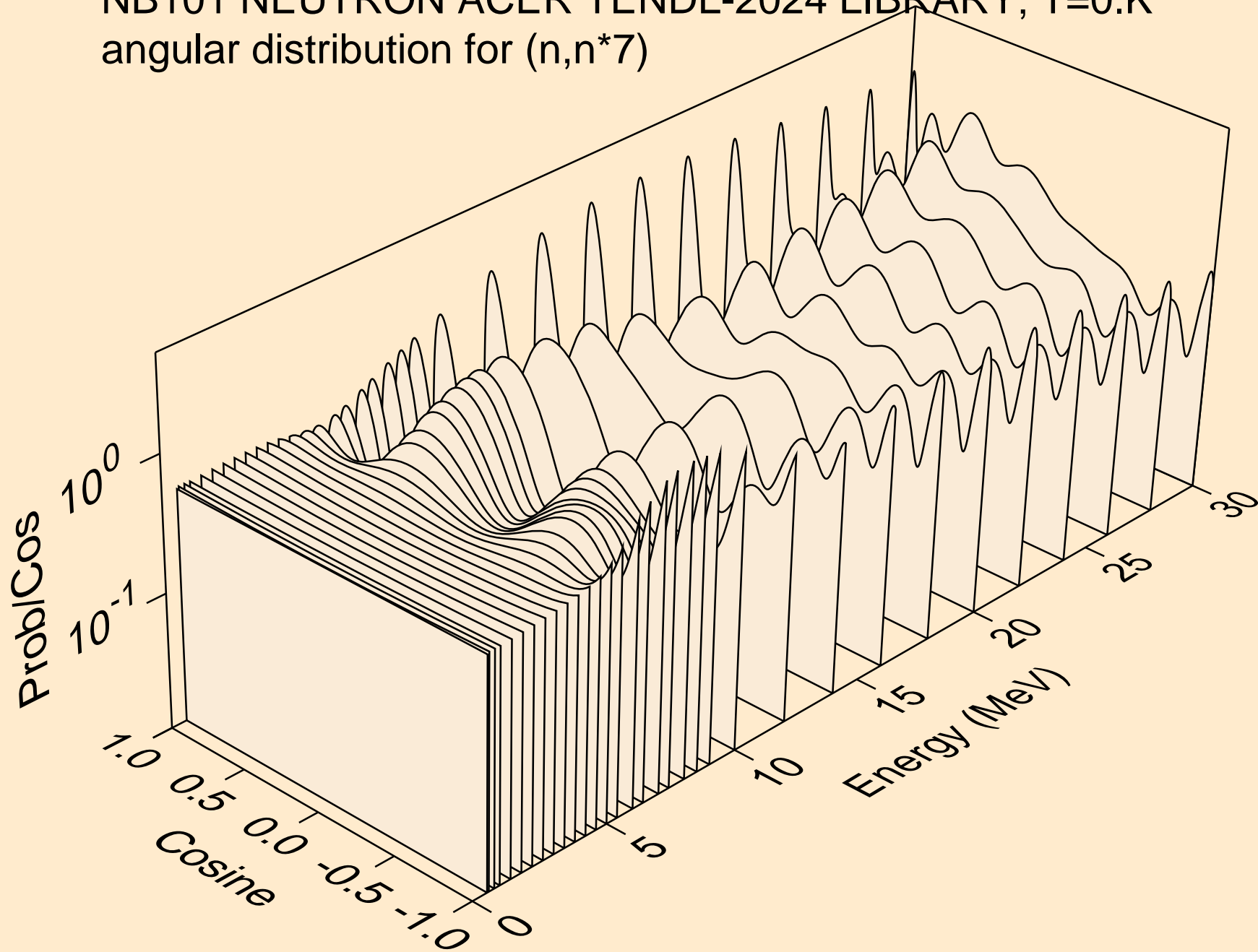
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angular distribution for (n,n\*5)



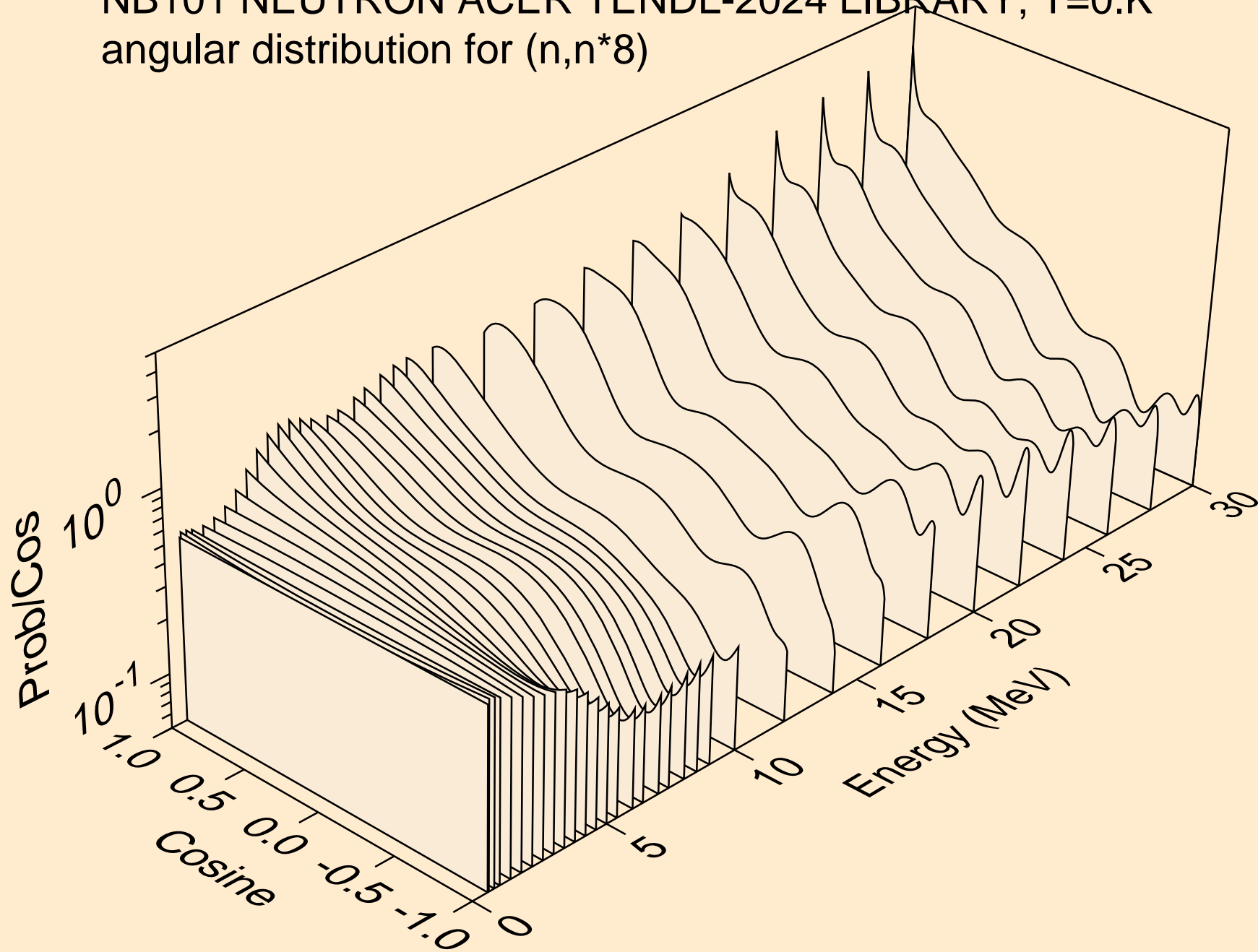
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angular distribution for (n,n\*6)



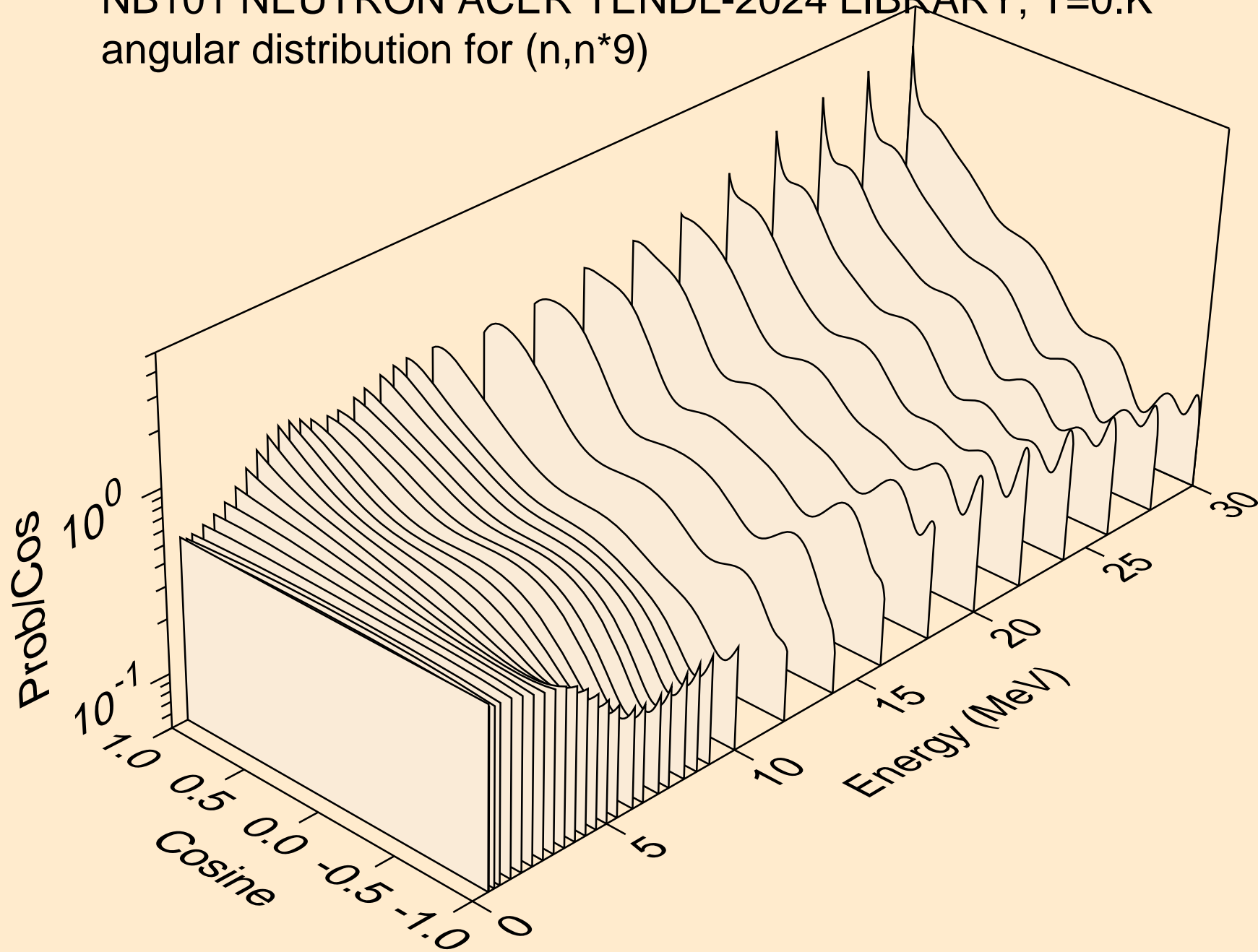
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angular distribution for (n,n\*7)



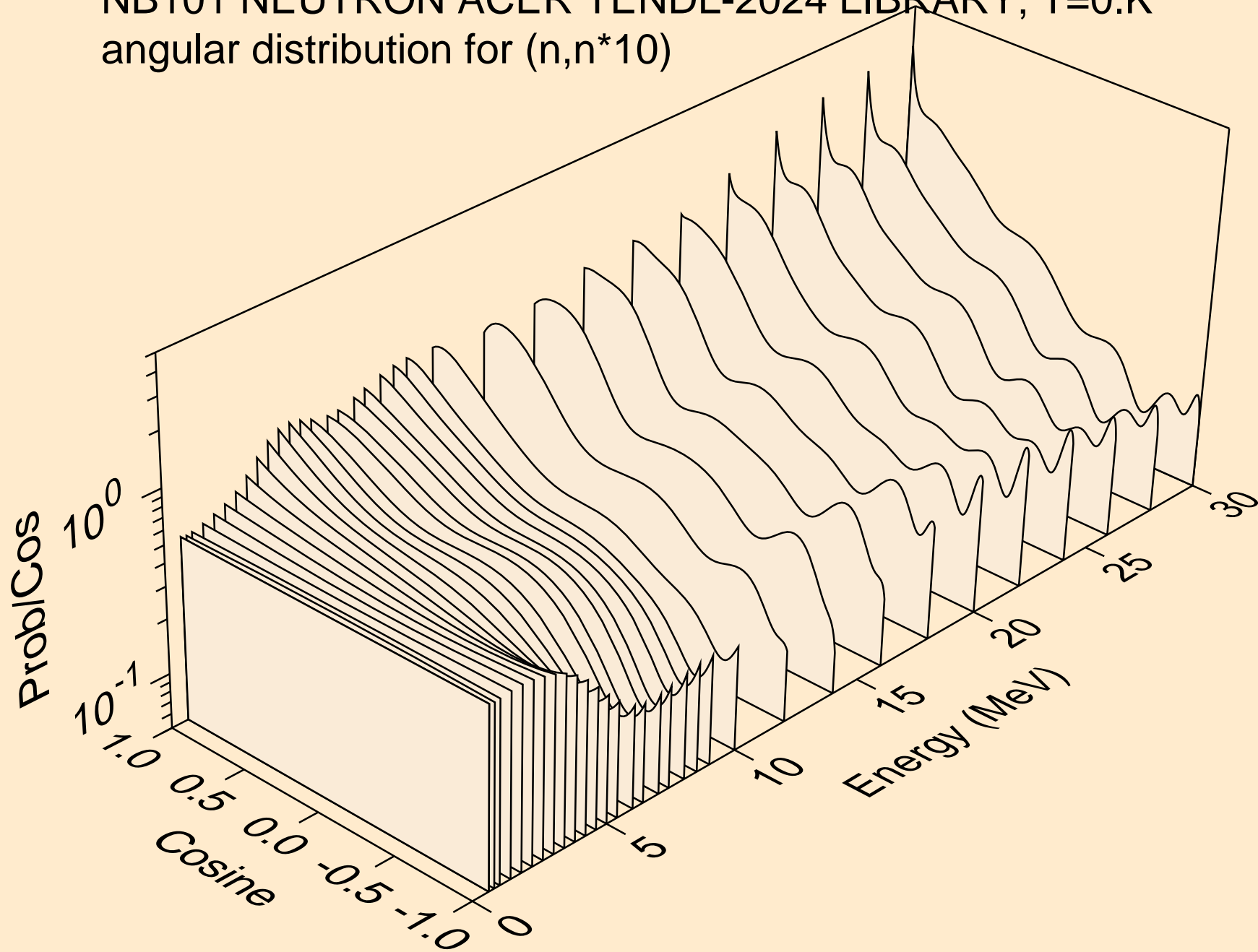
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angular distribution for (n,n\*8)



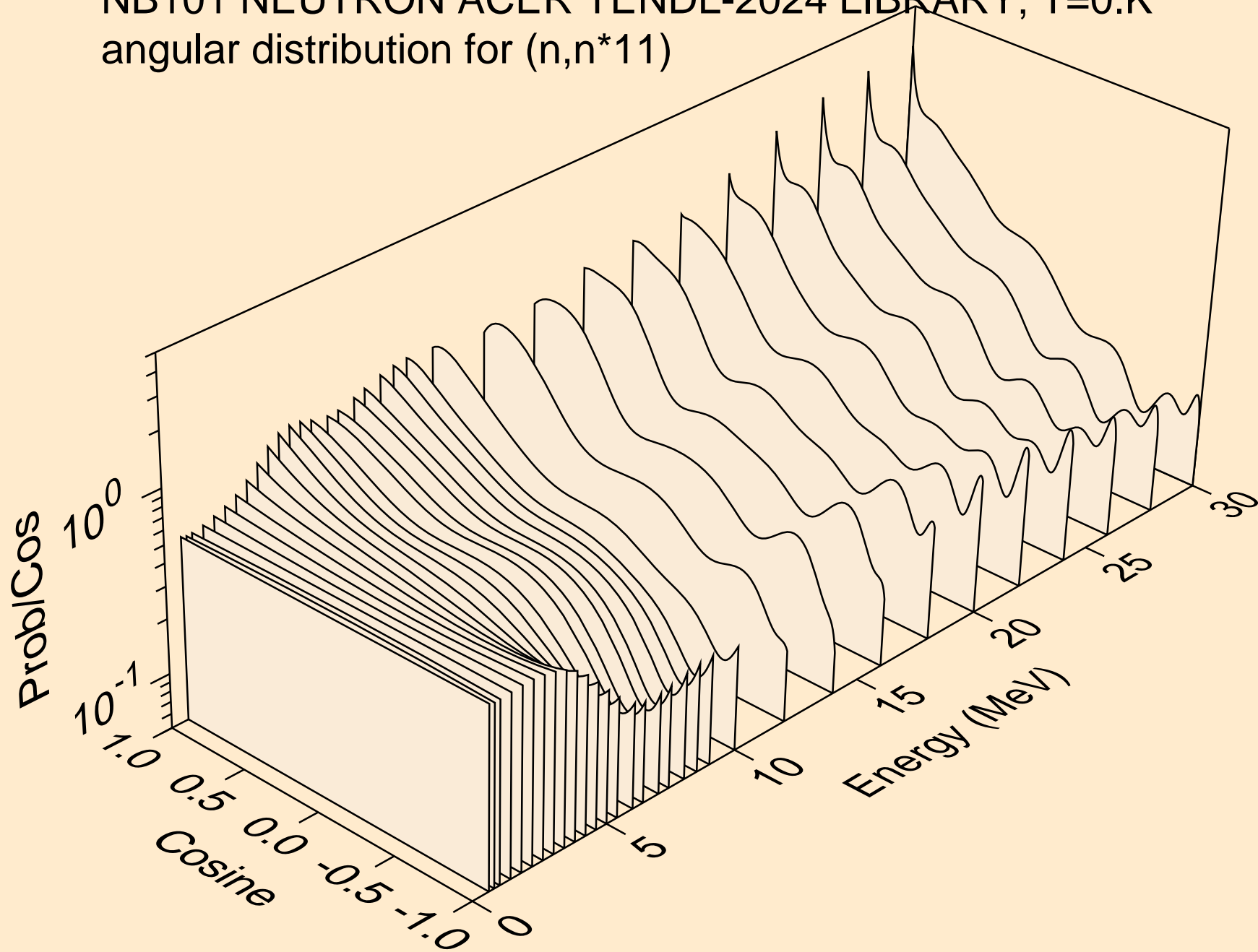
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angular distribution for (n,n\*9)



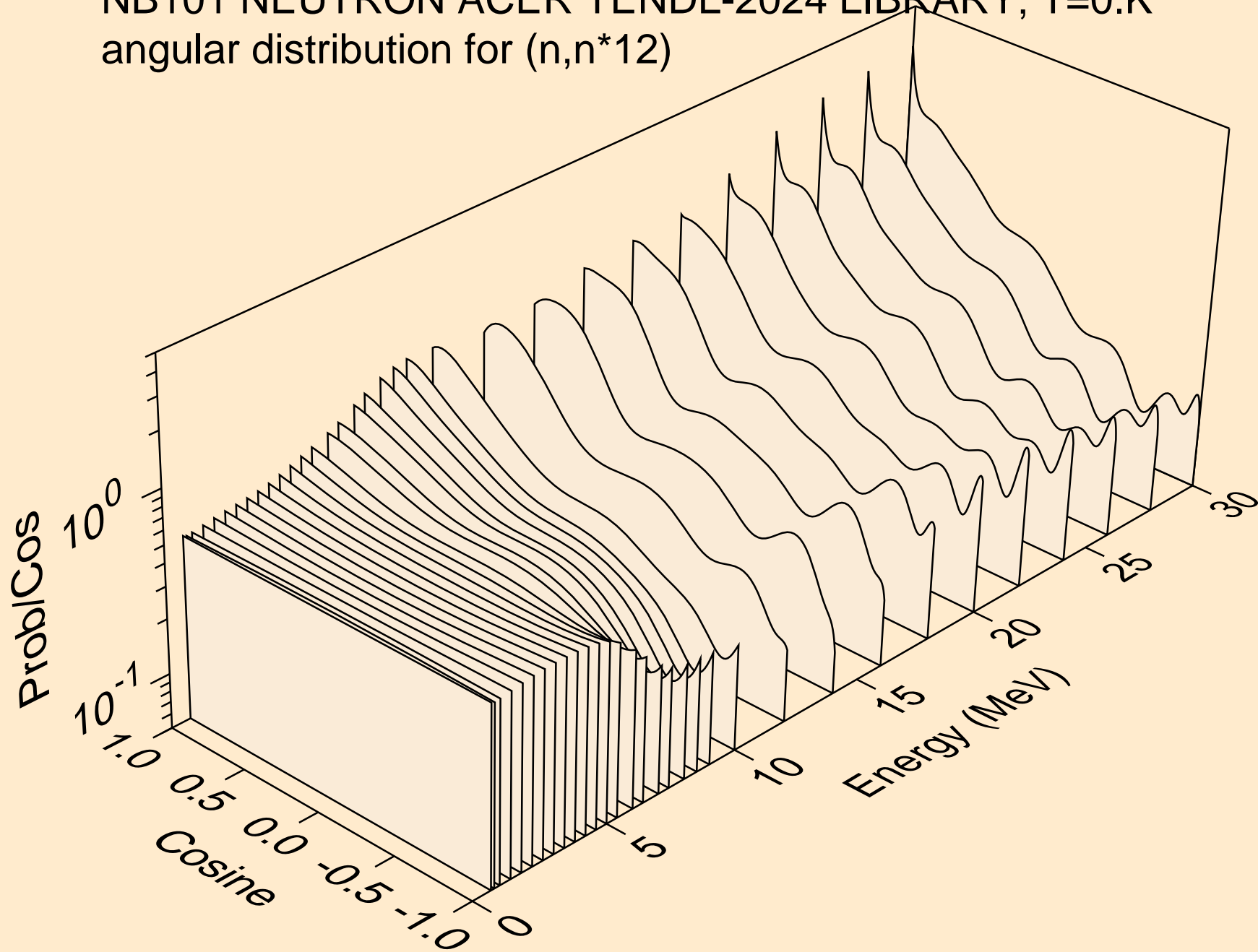
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)

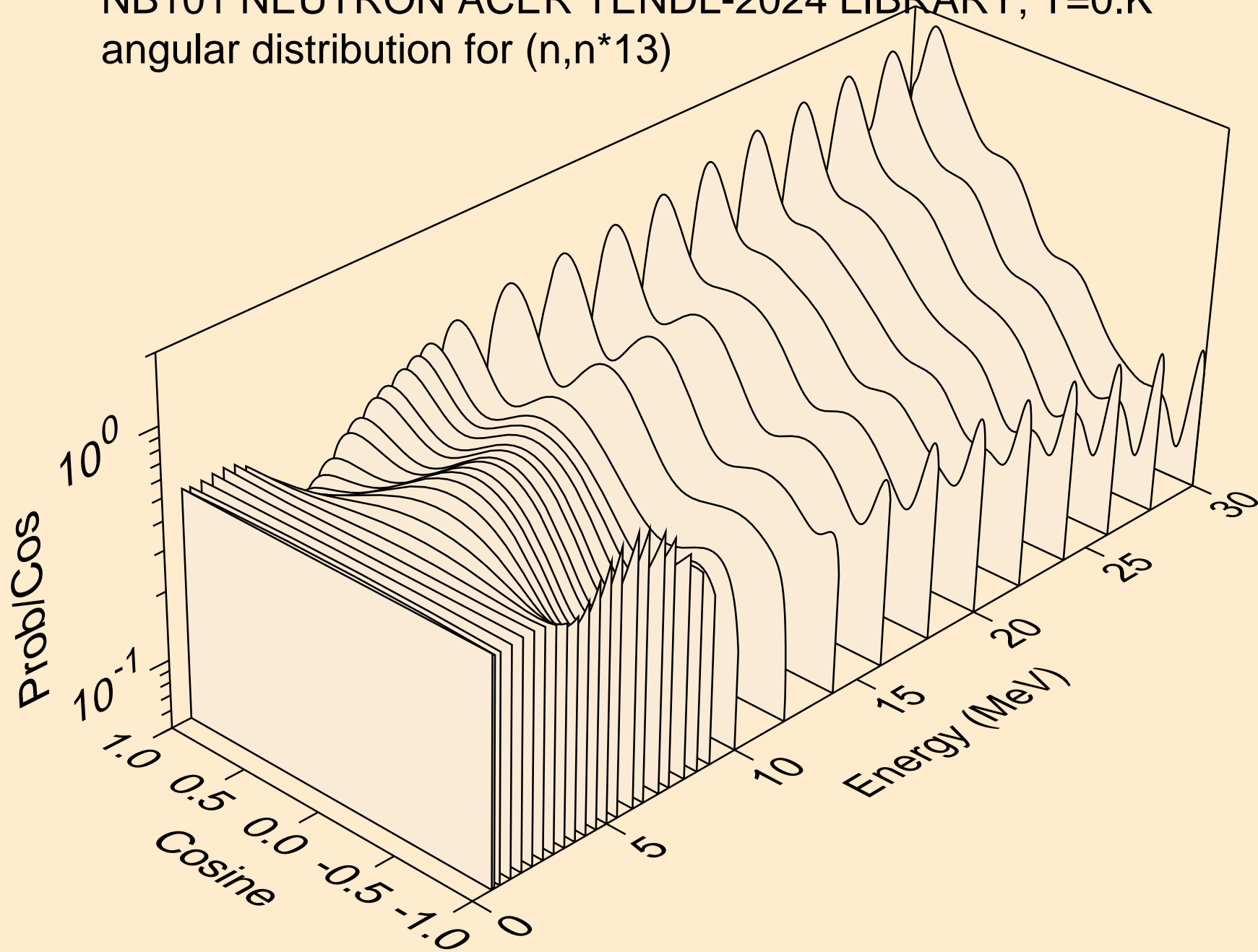


NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)

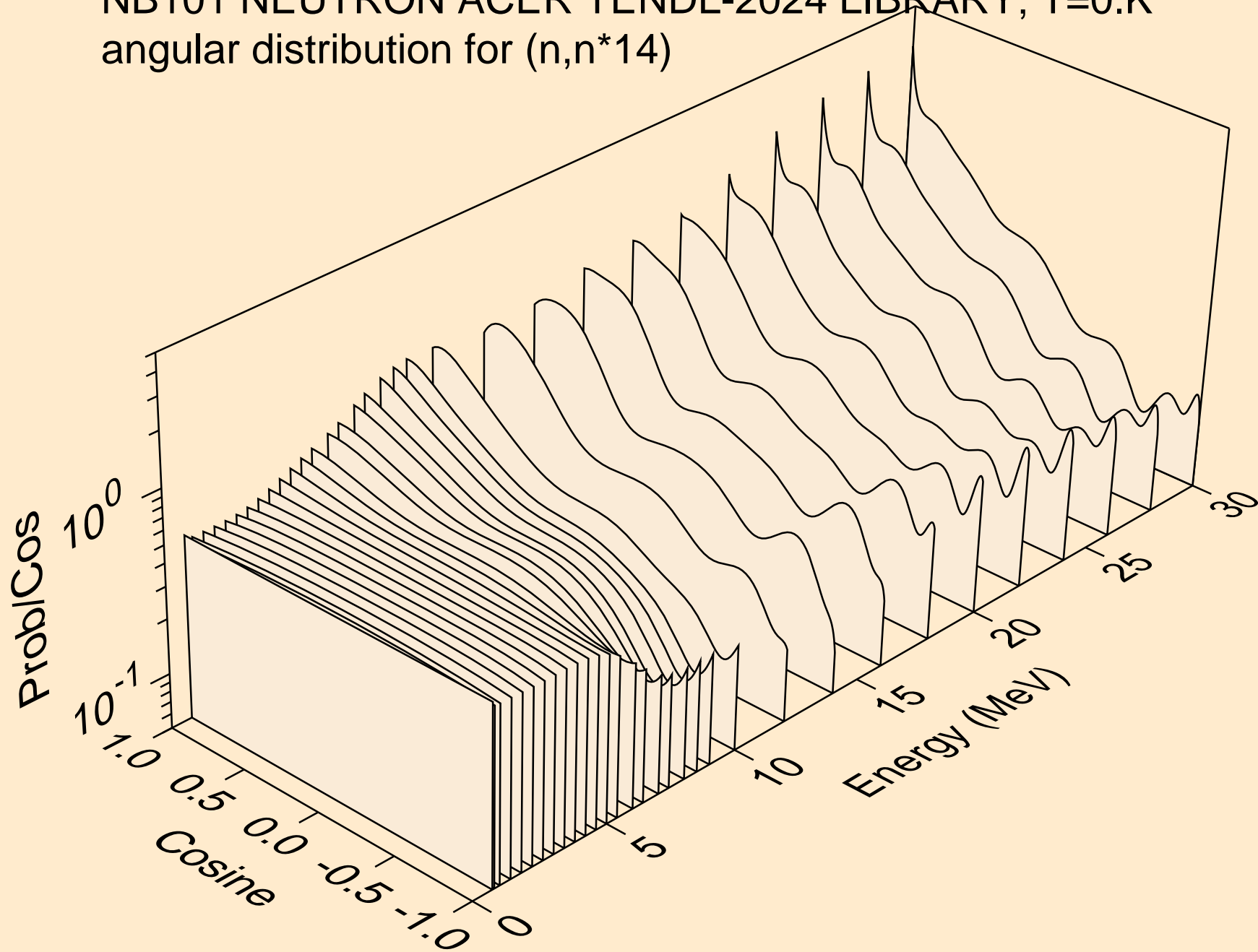




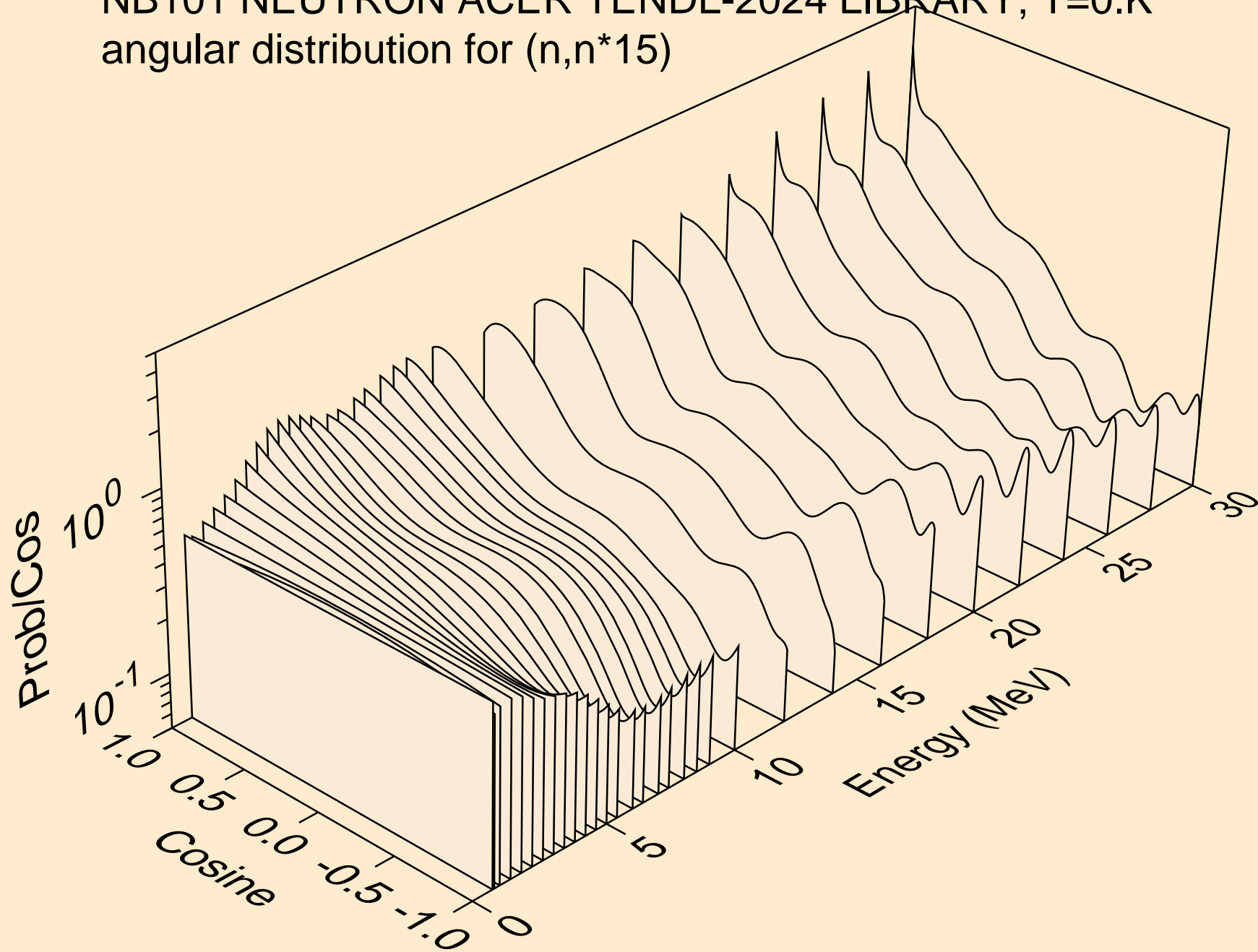
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angular distribution for (n,n\*13)



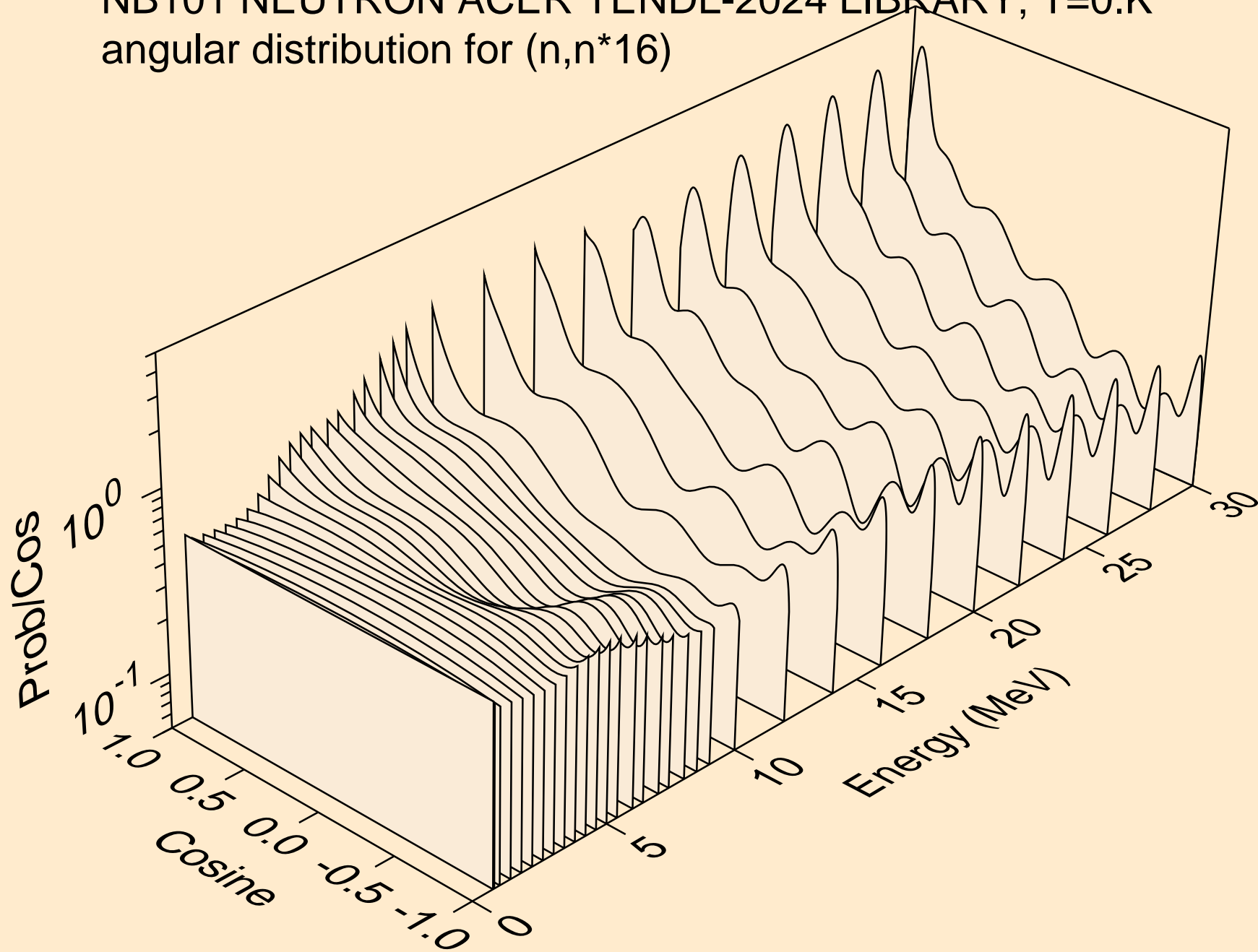
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angular distribution for (n,n\*14)



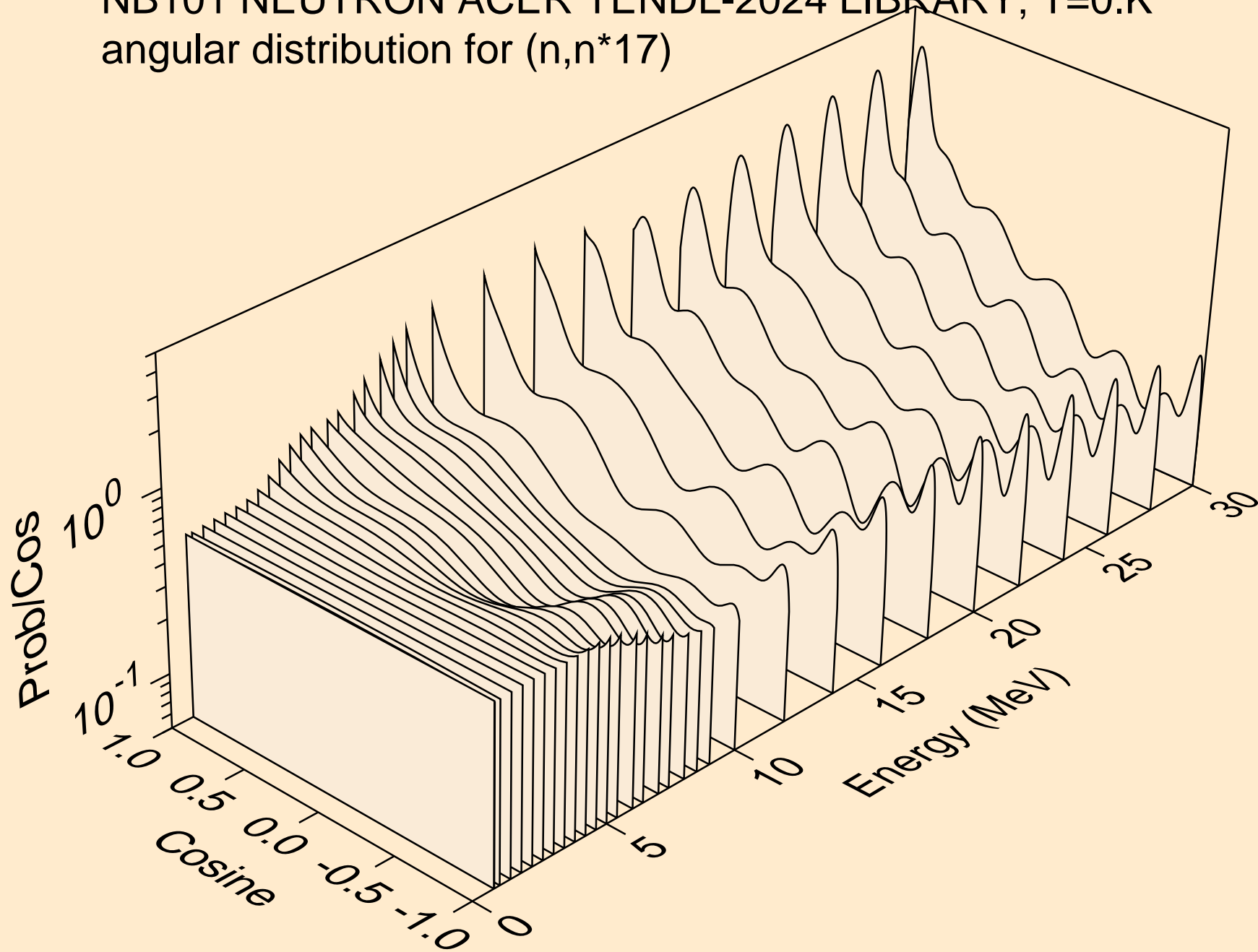
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angular distribution for (n,n\*15)



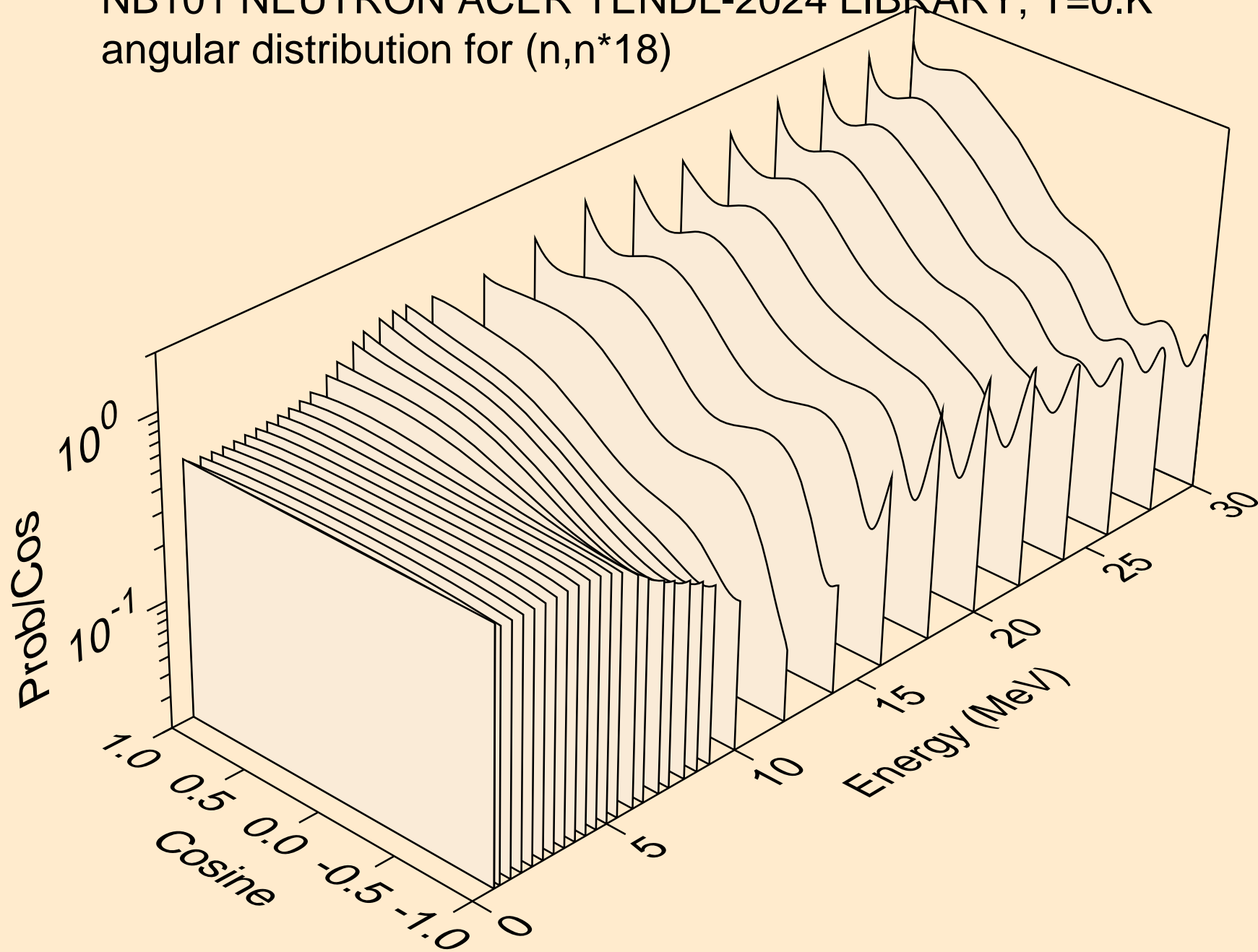
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angular distribution for (n,n\*16)



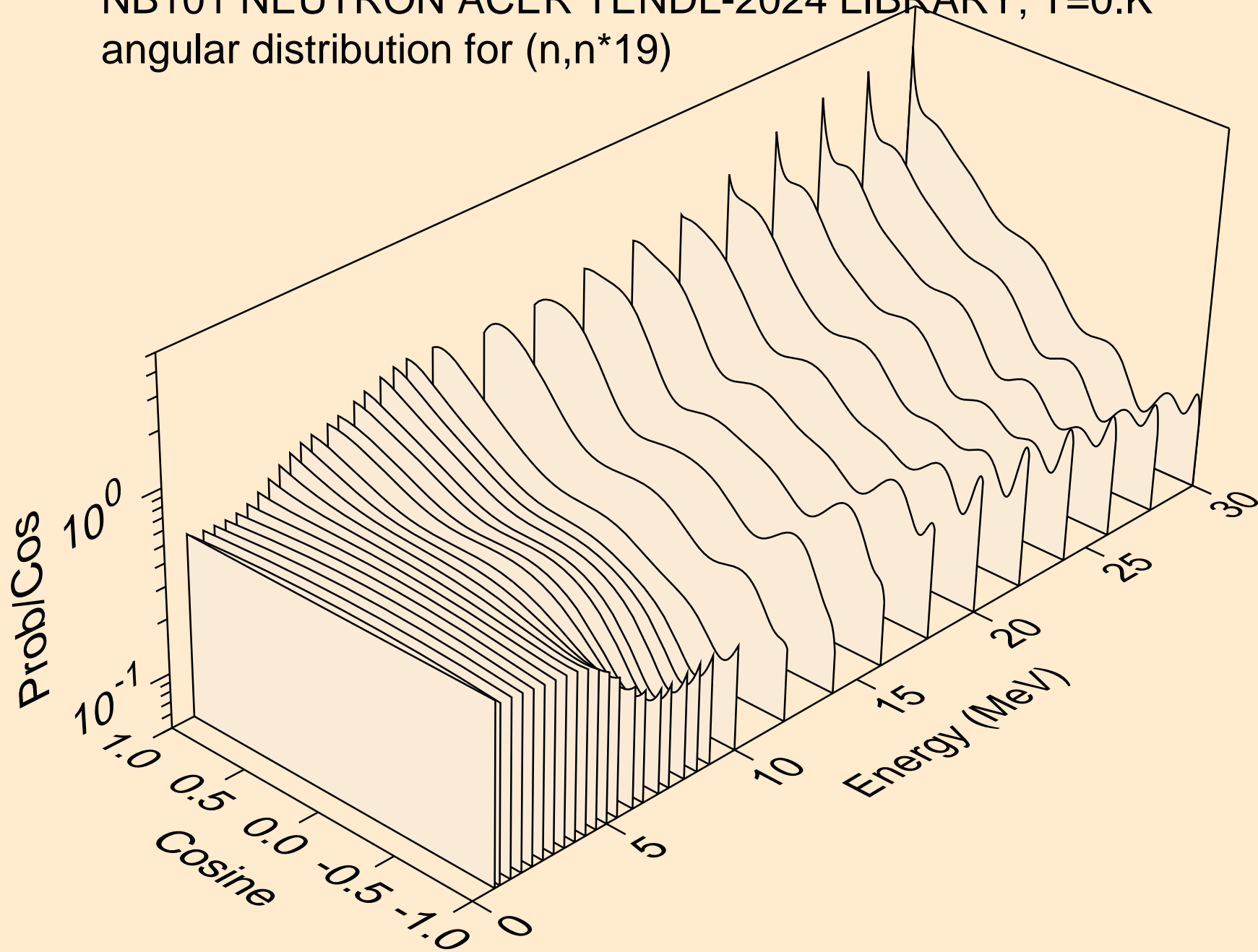
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angular distribution for (n,n\*17)



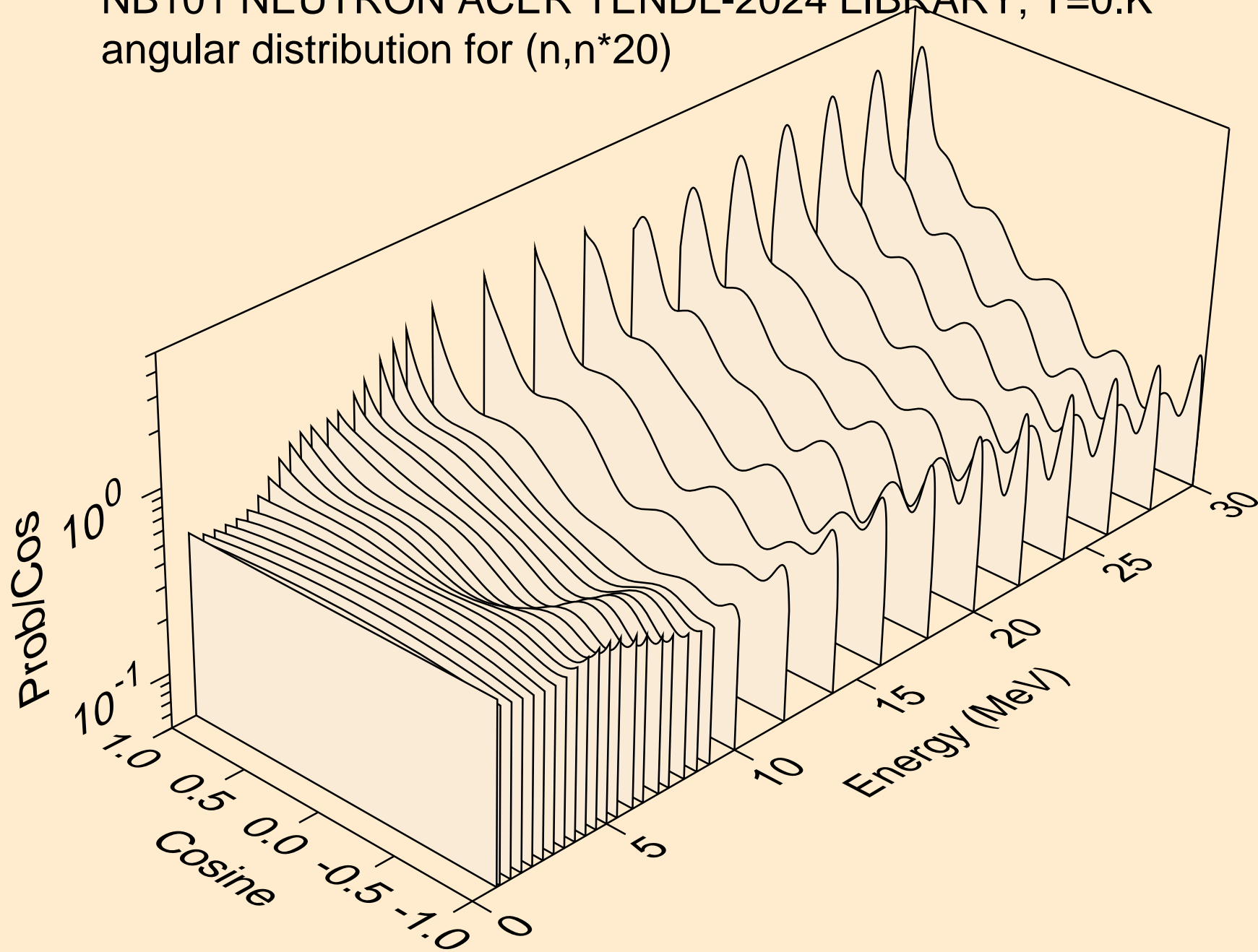
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*19)

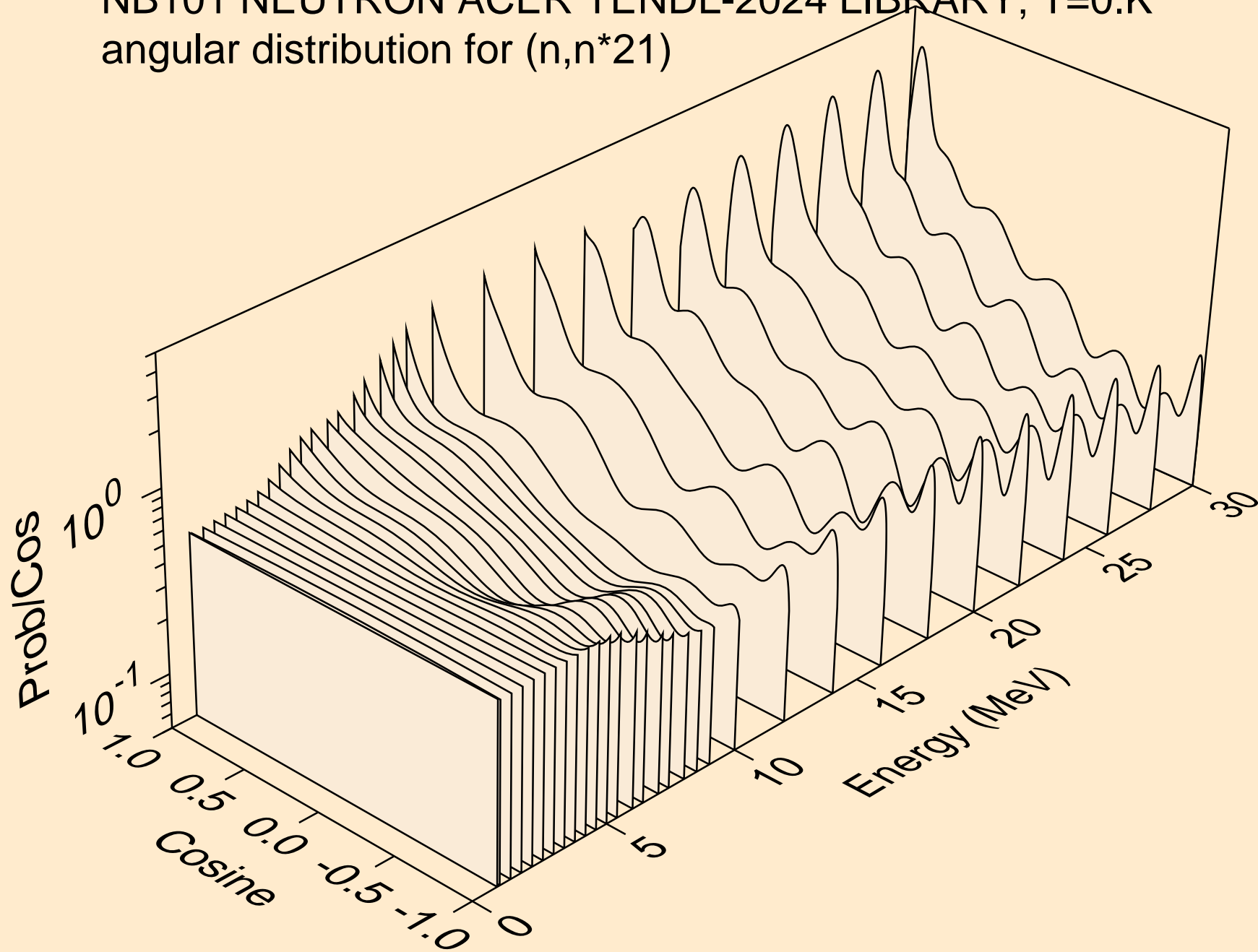


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angular distribution for (n,n\*20)

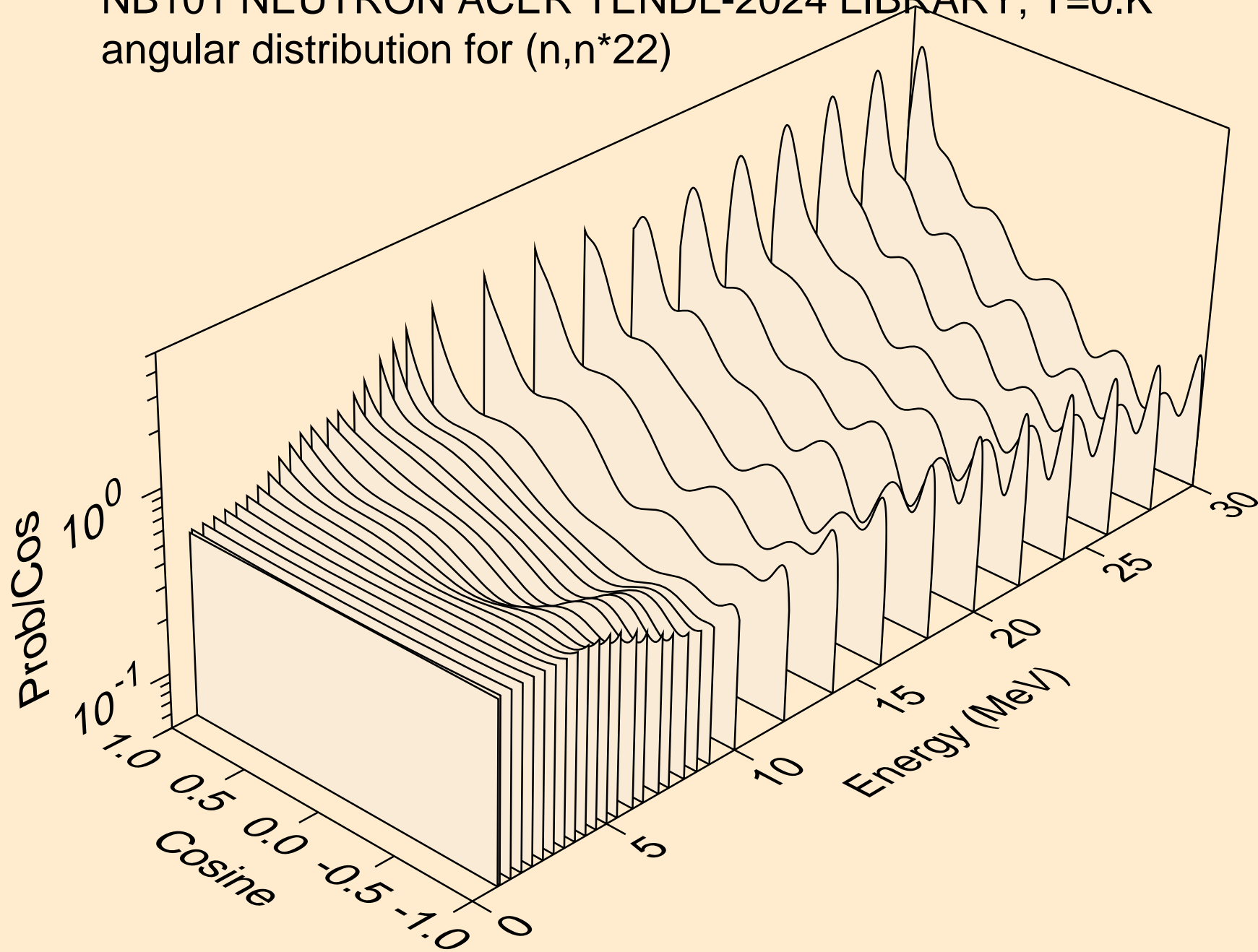




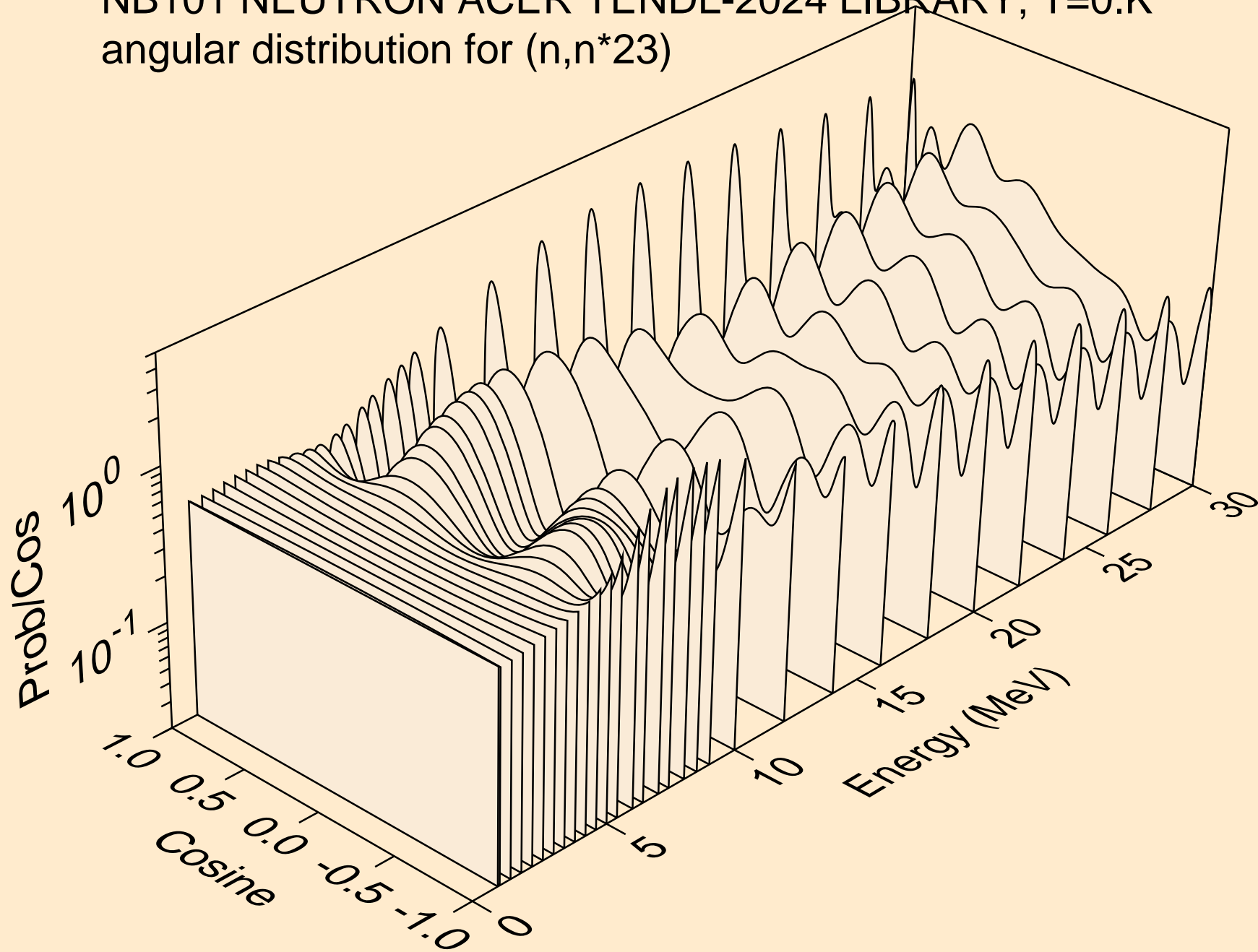
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angular distribution for (n,n\*21)



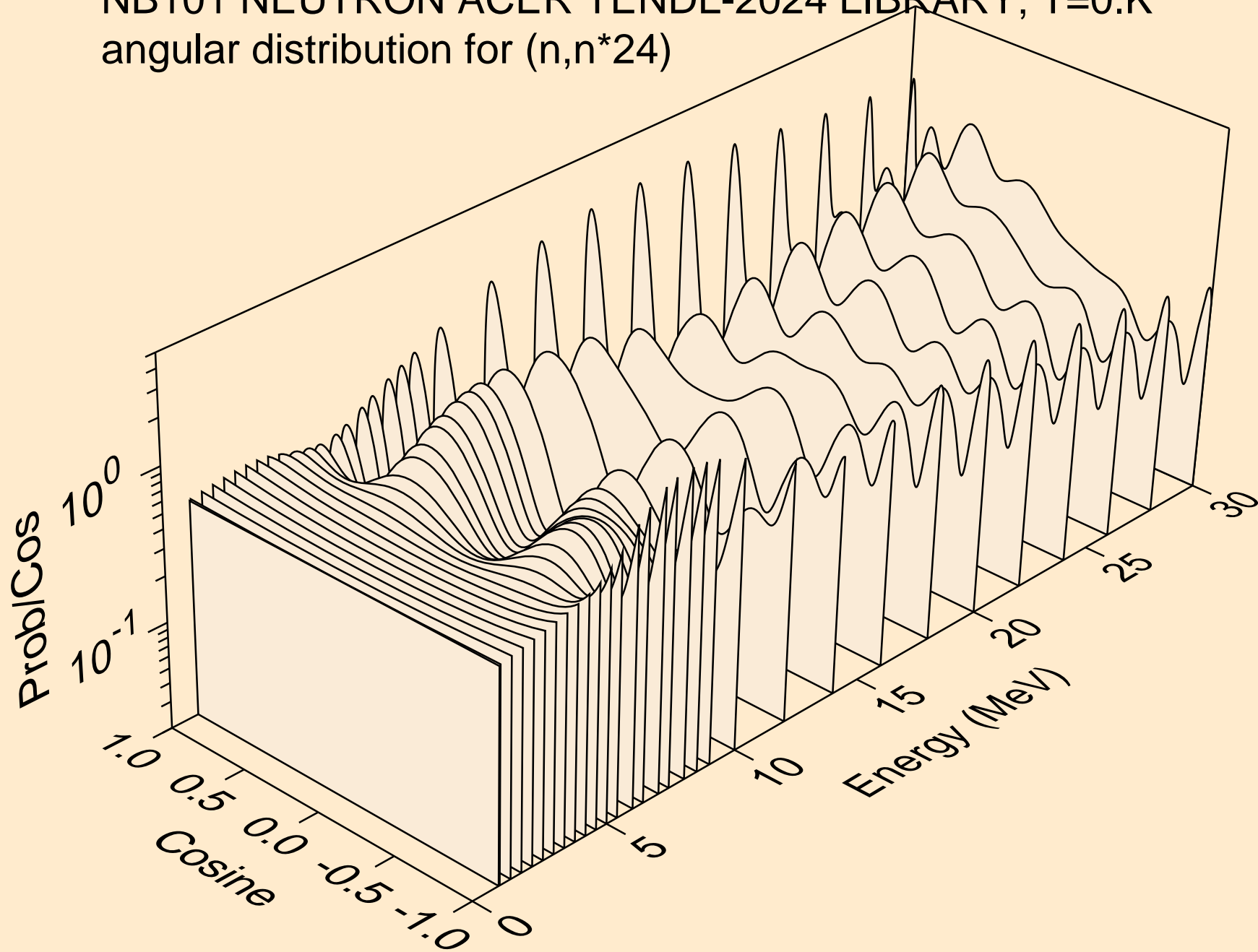
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angular distribution for (n,n\*22)



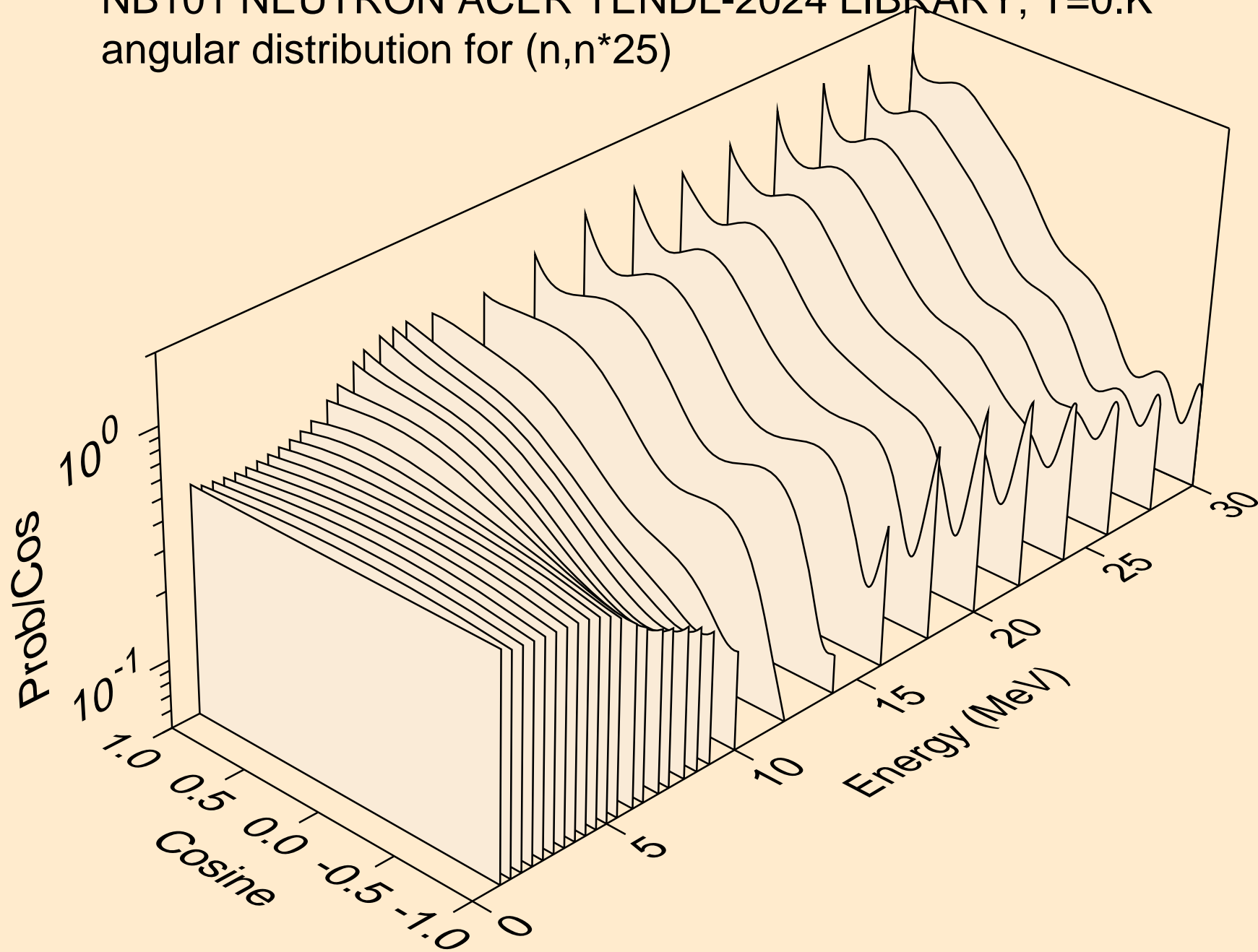
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angular distribution for (n,n\*23)



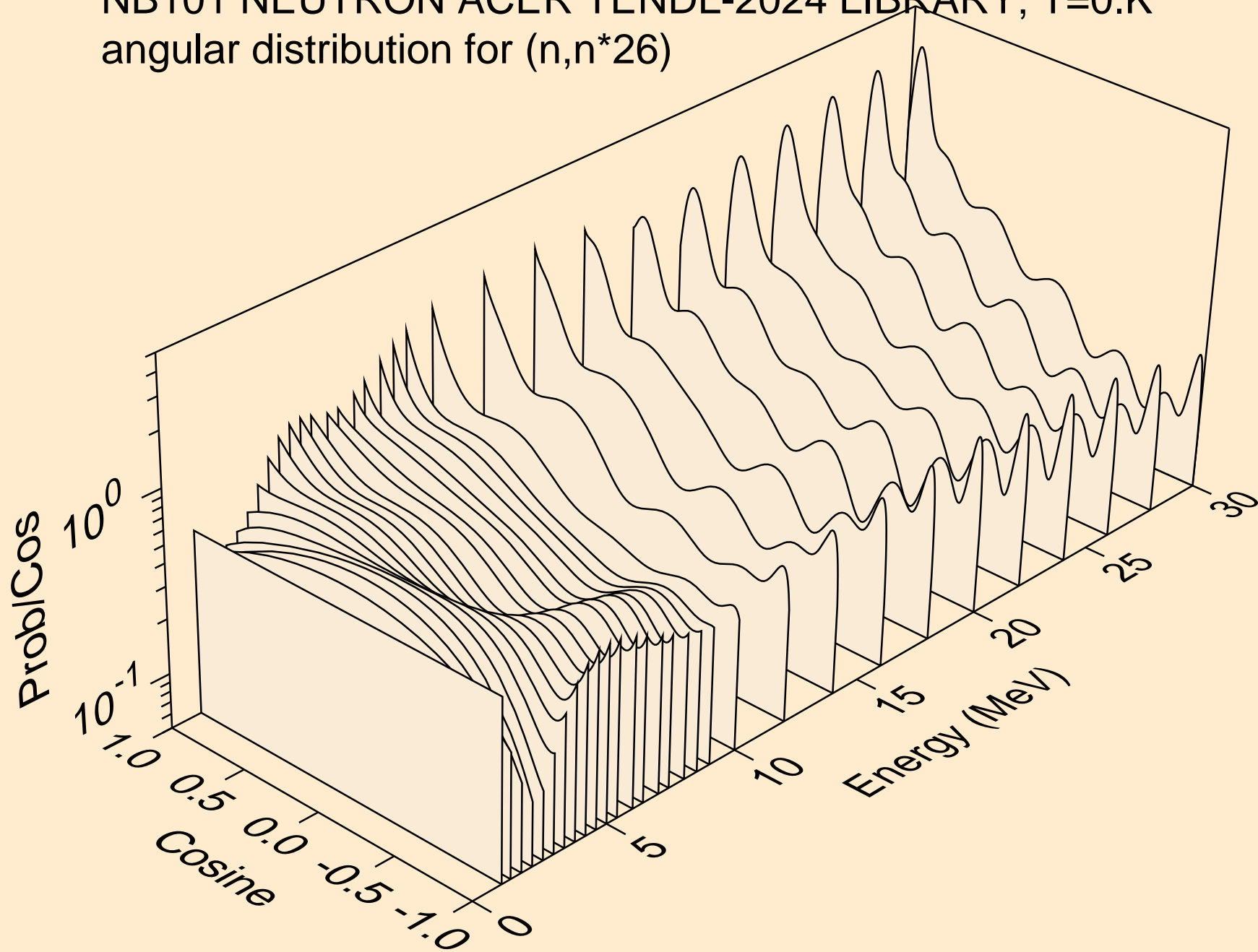
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angular distribution for (n,n\*24)



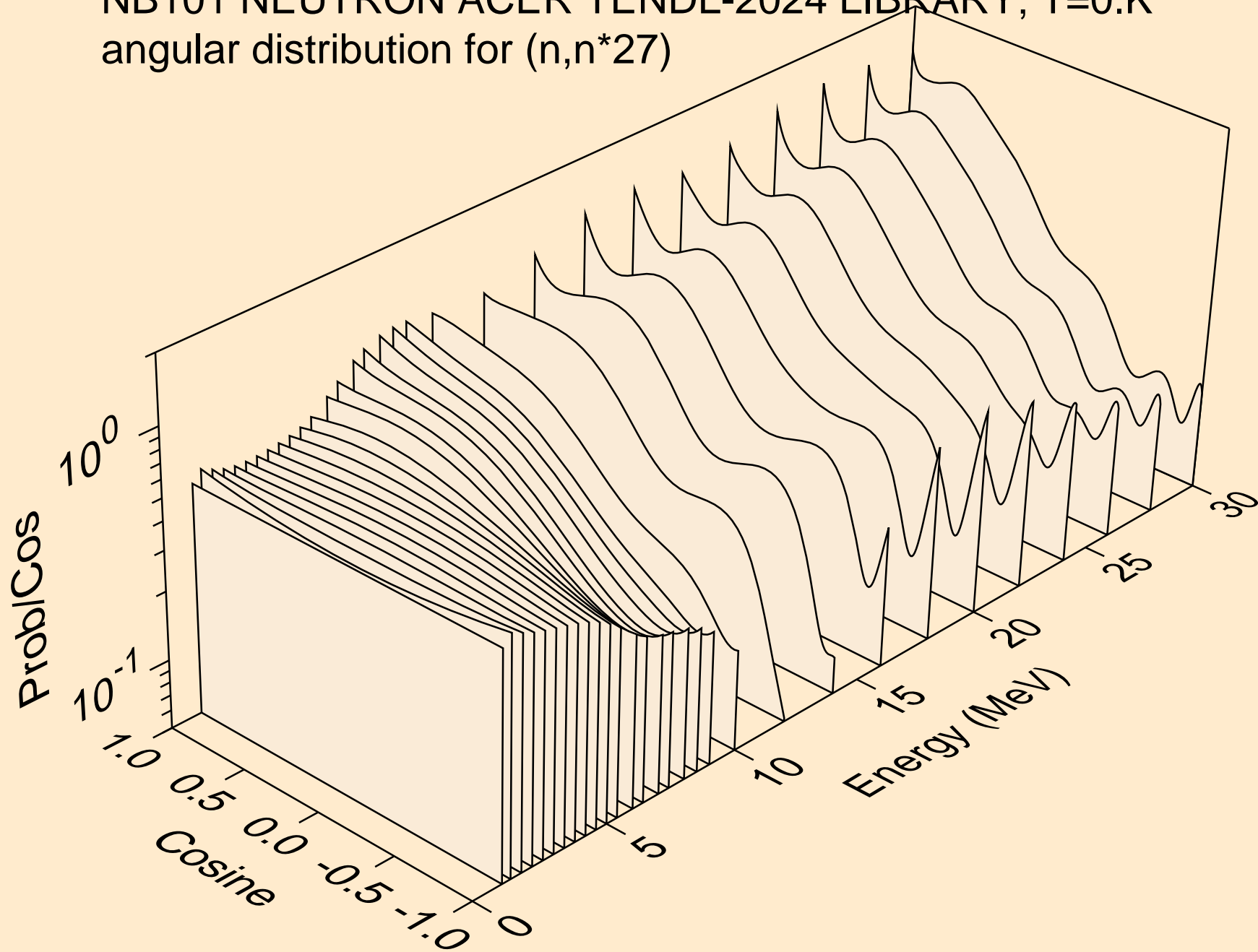
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*25)



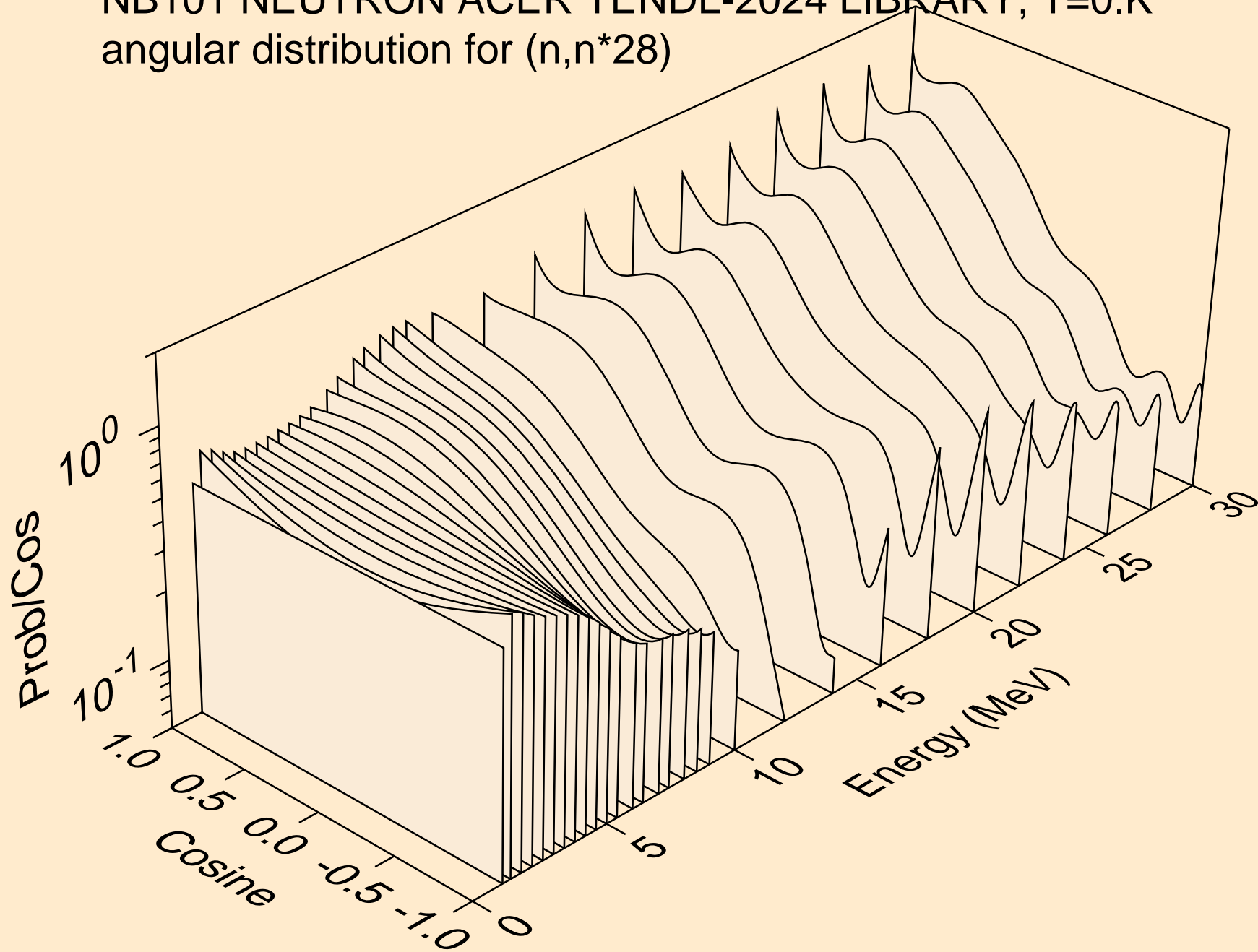
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*27)

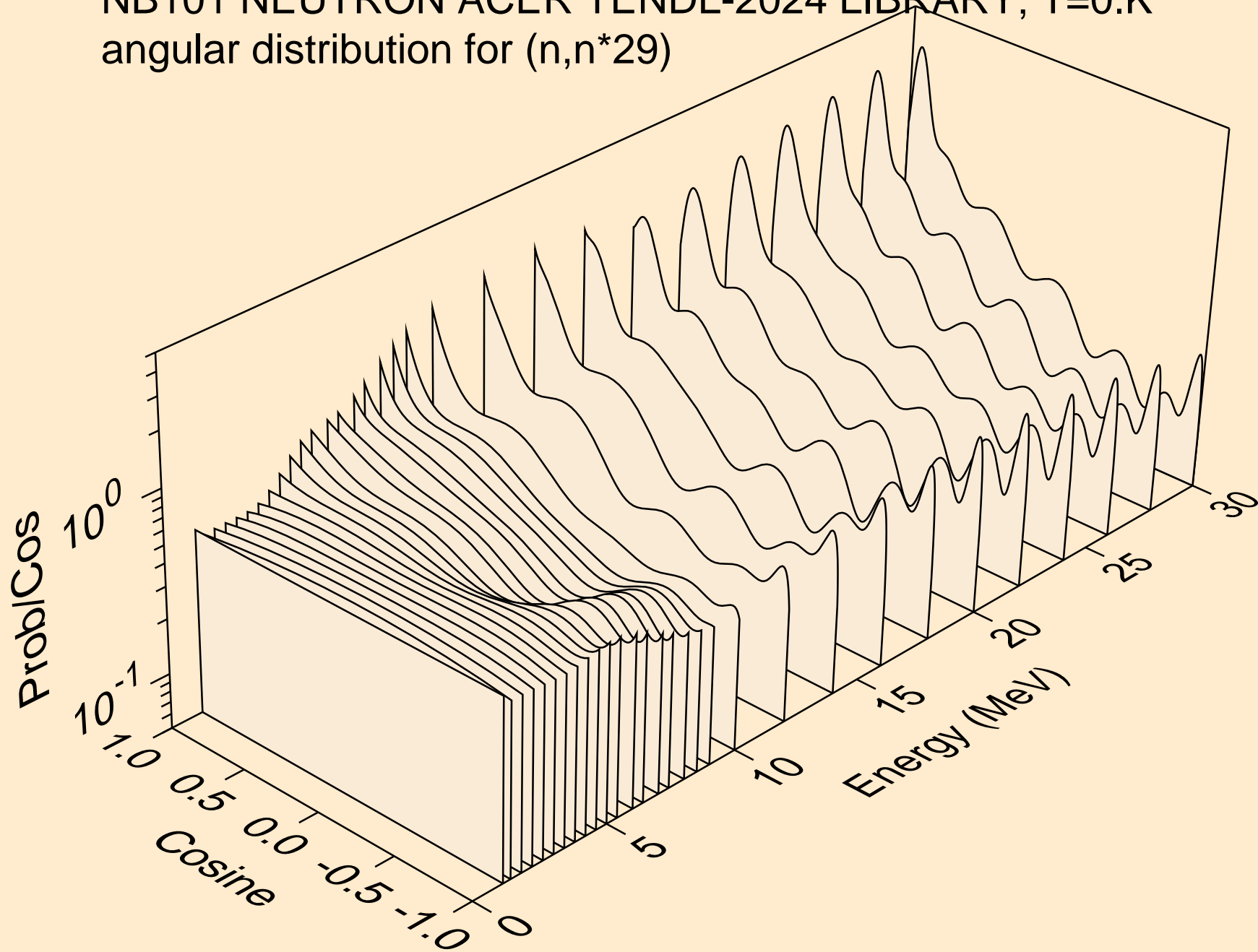


NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*28)

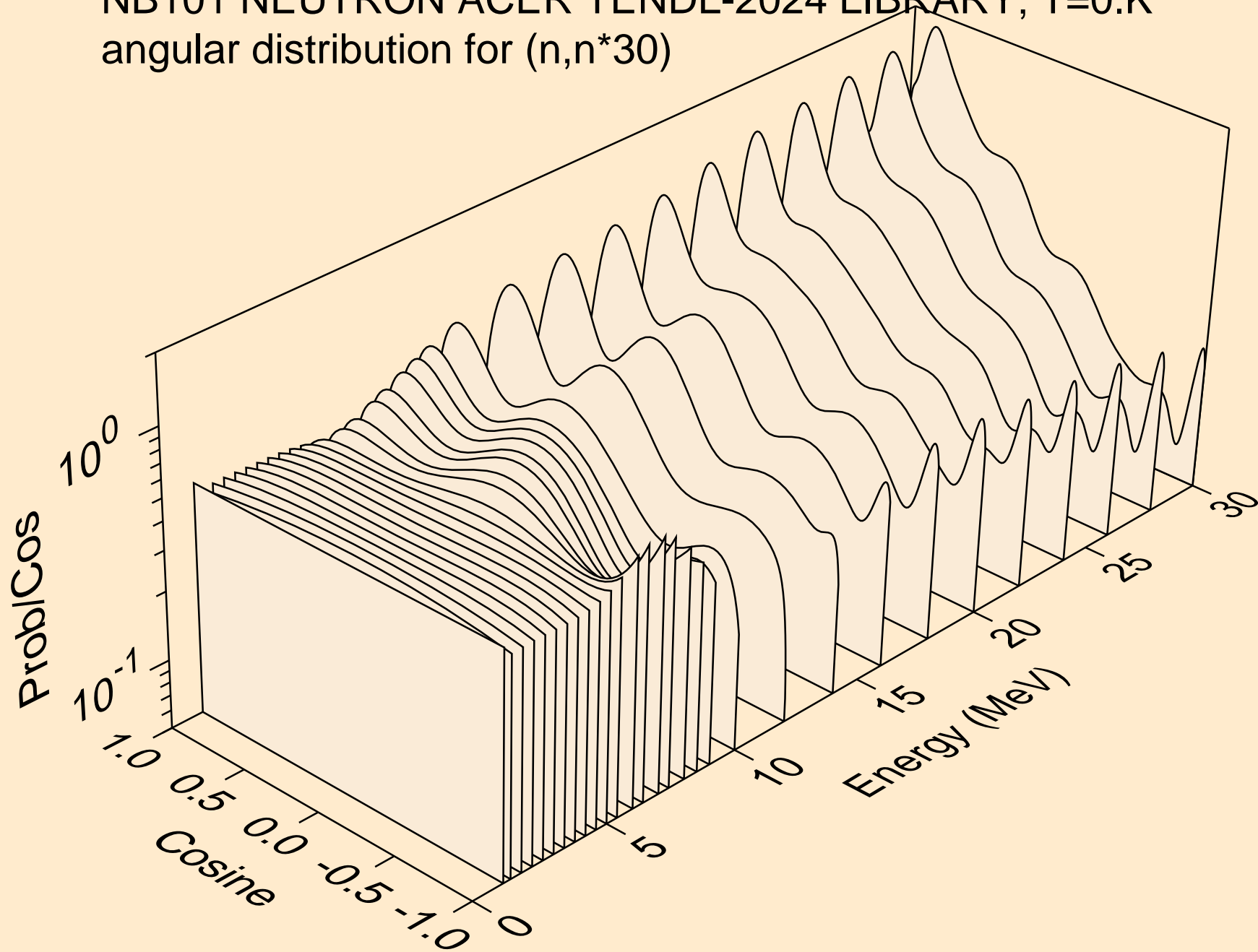




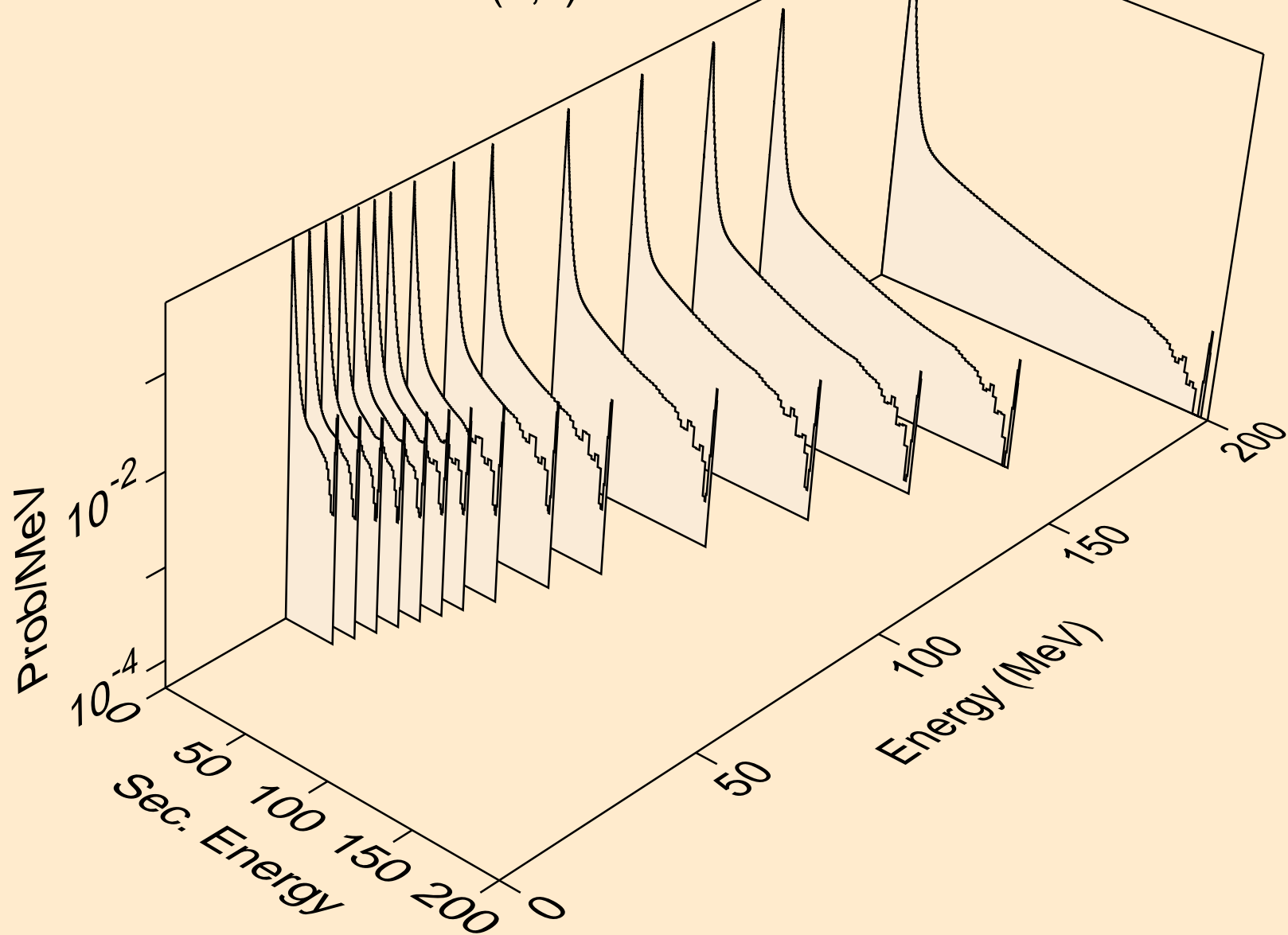
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angular distribution for (n,n\*29)



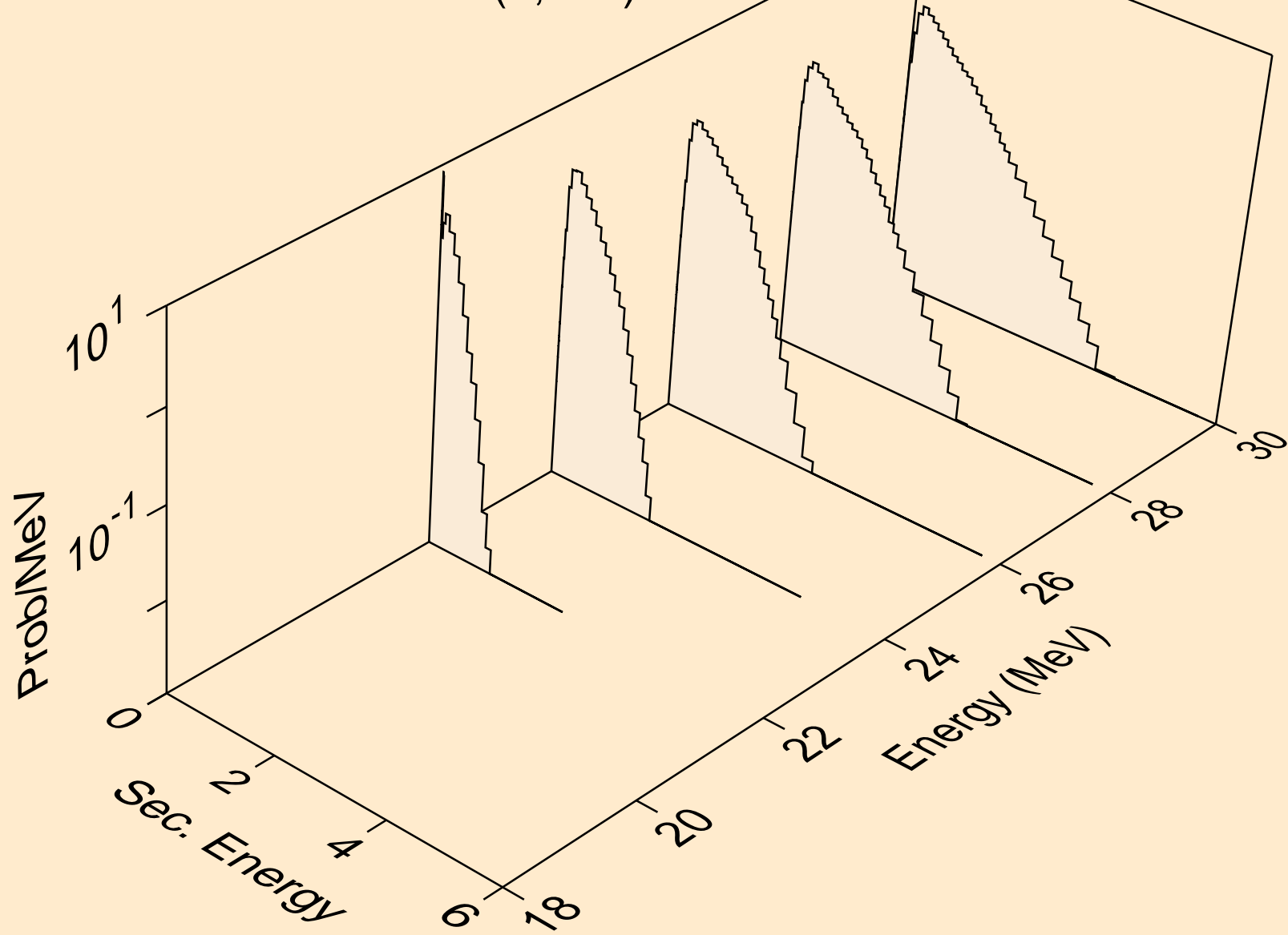
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angular distribution for (n,n\*30)



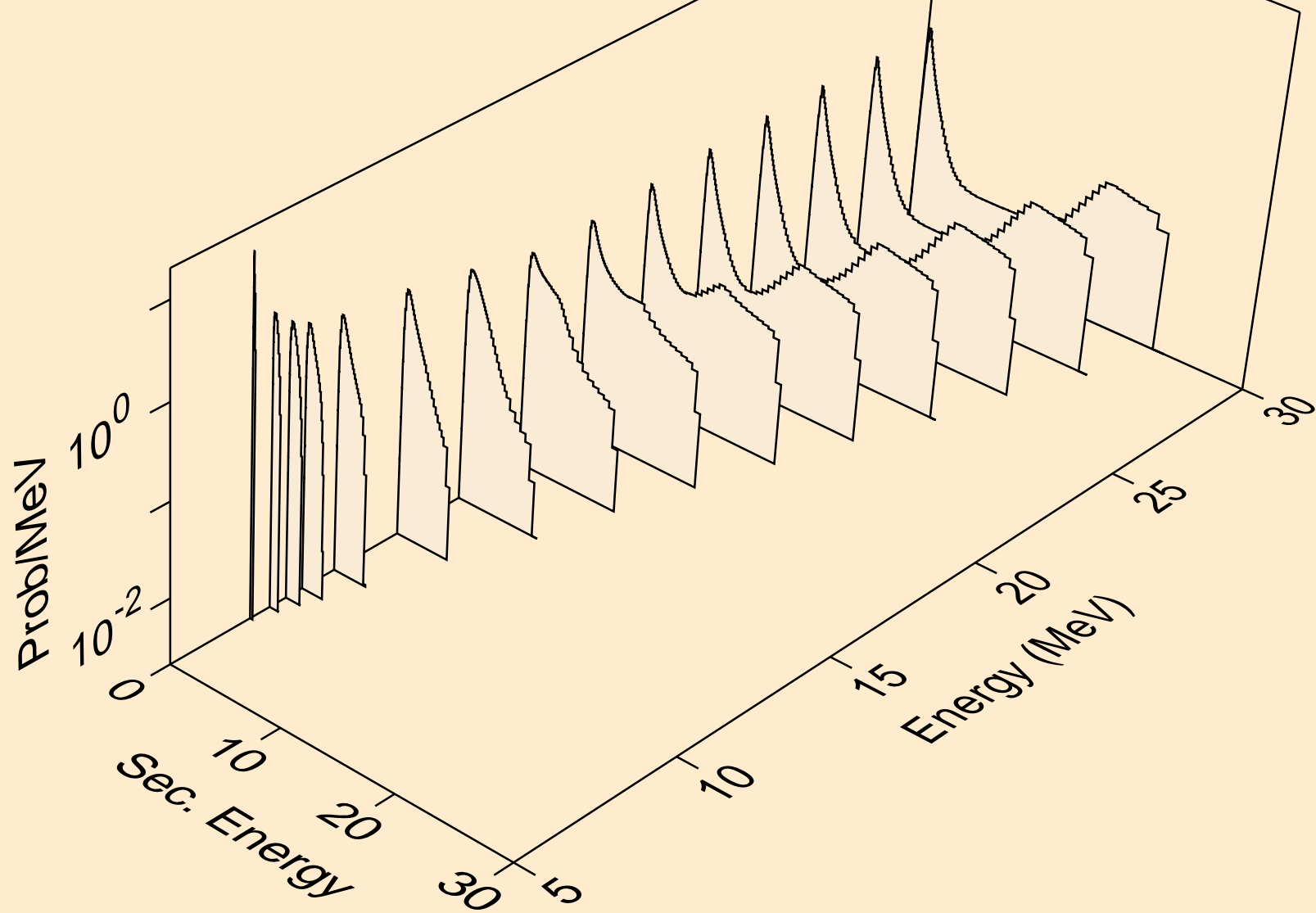
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



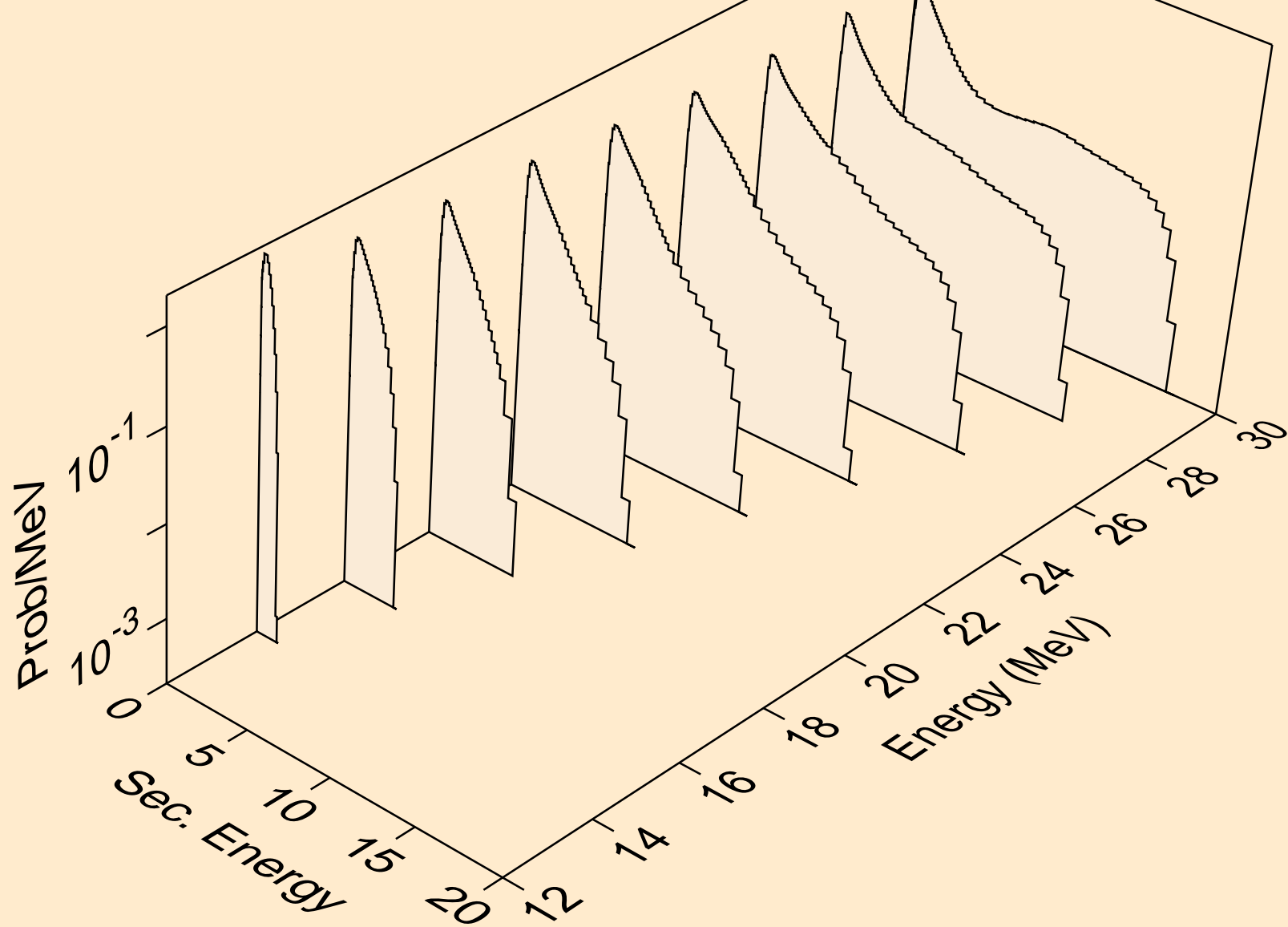
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



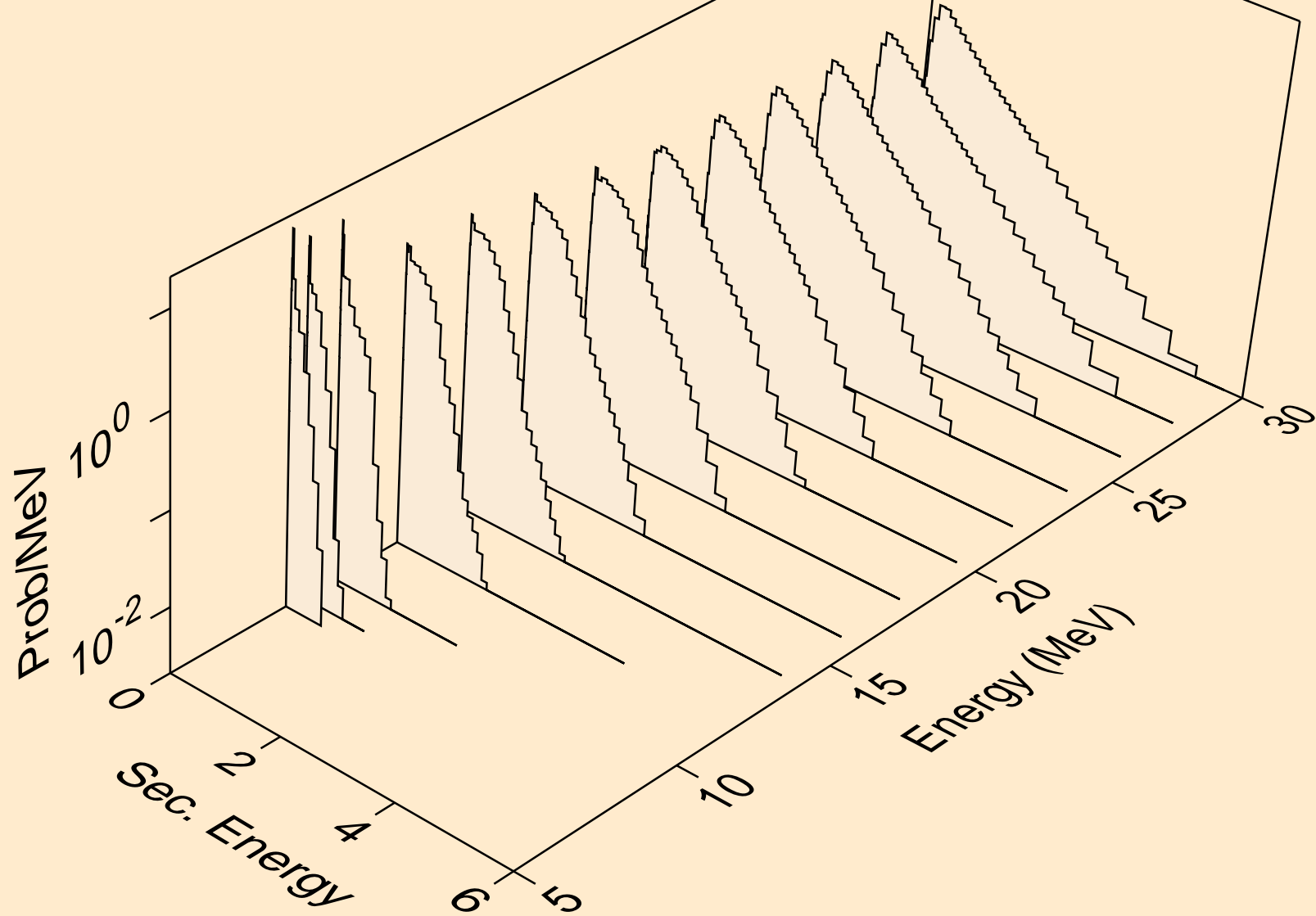
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



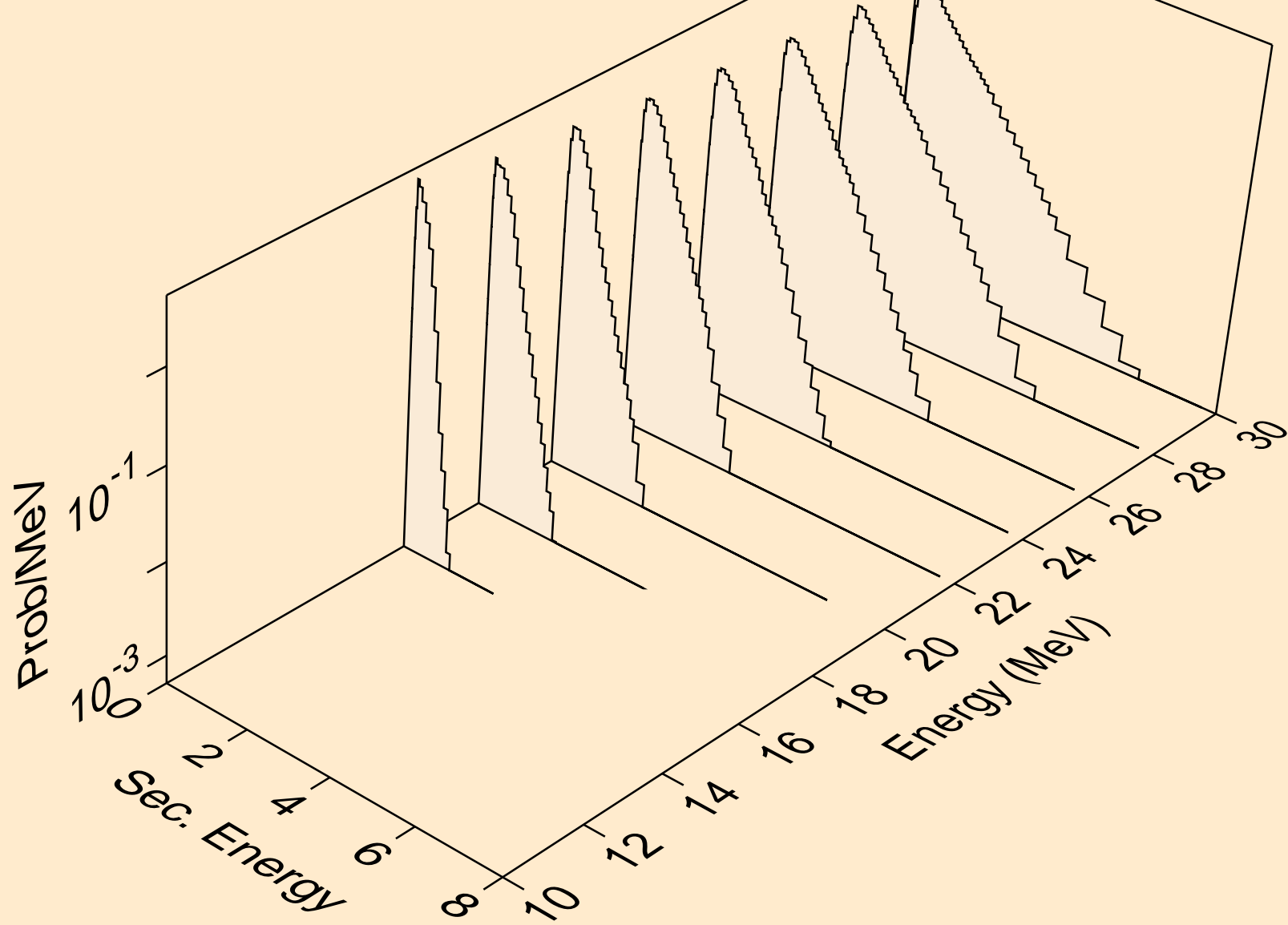
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

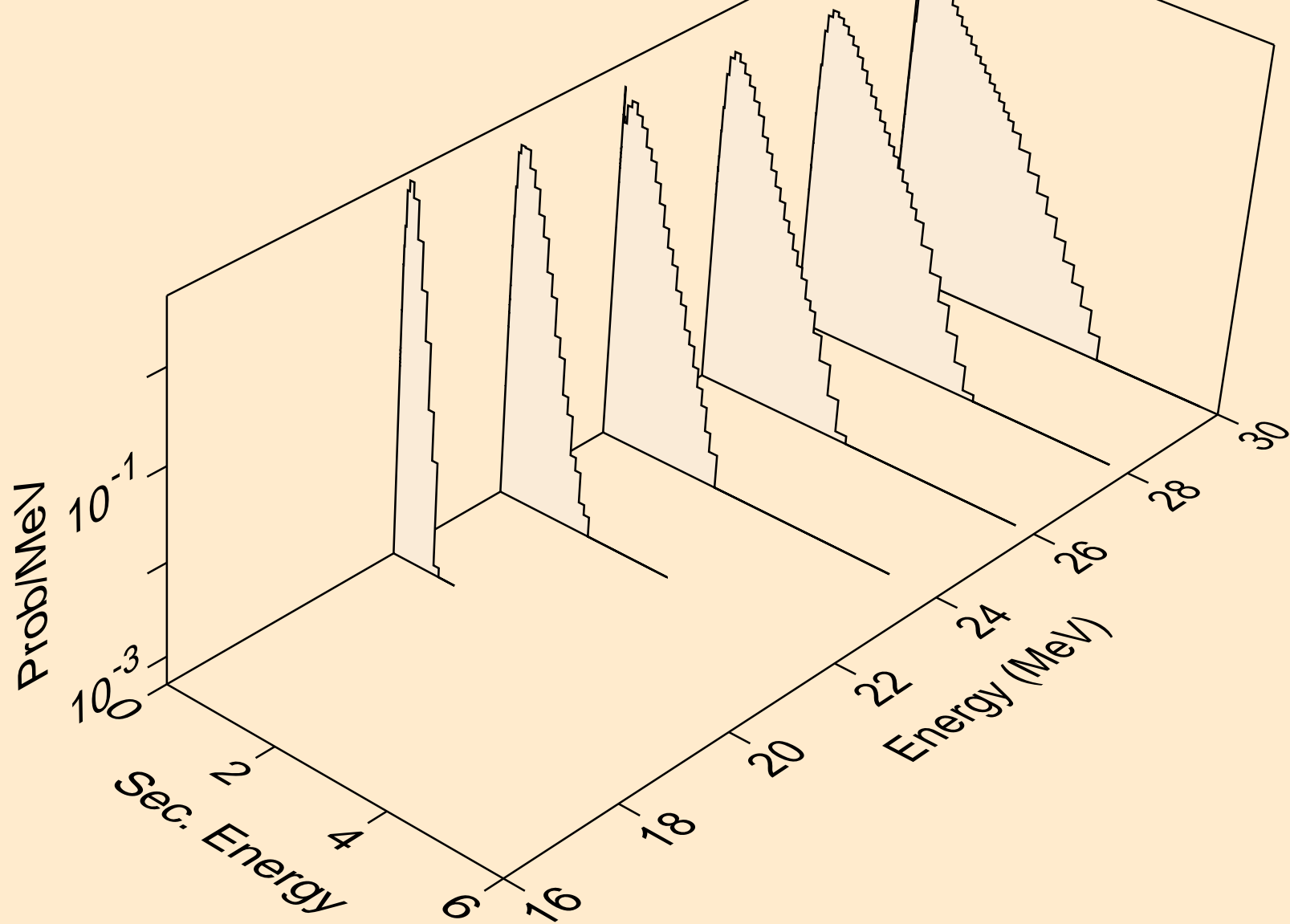


NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)<sub>a</sub>

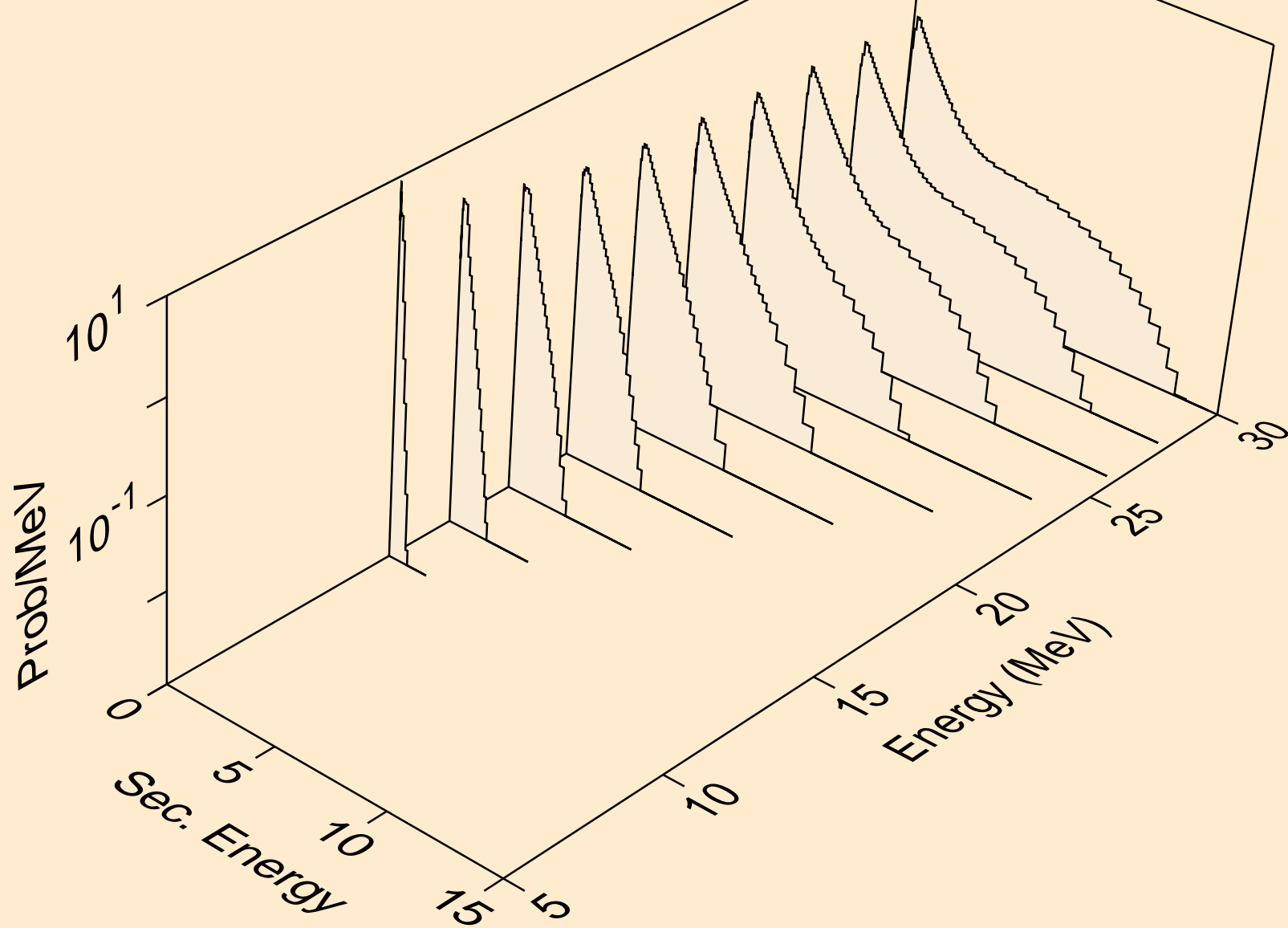




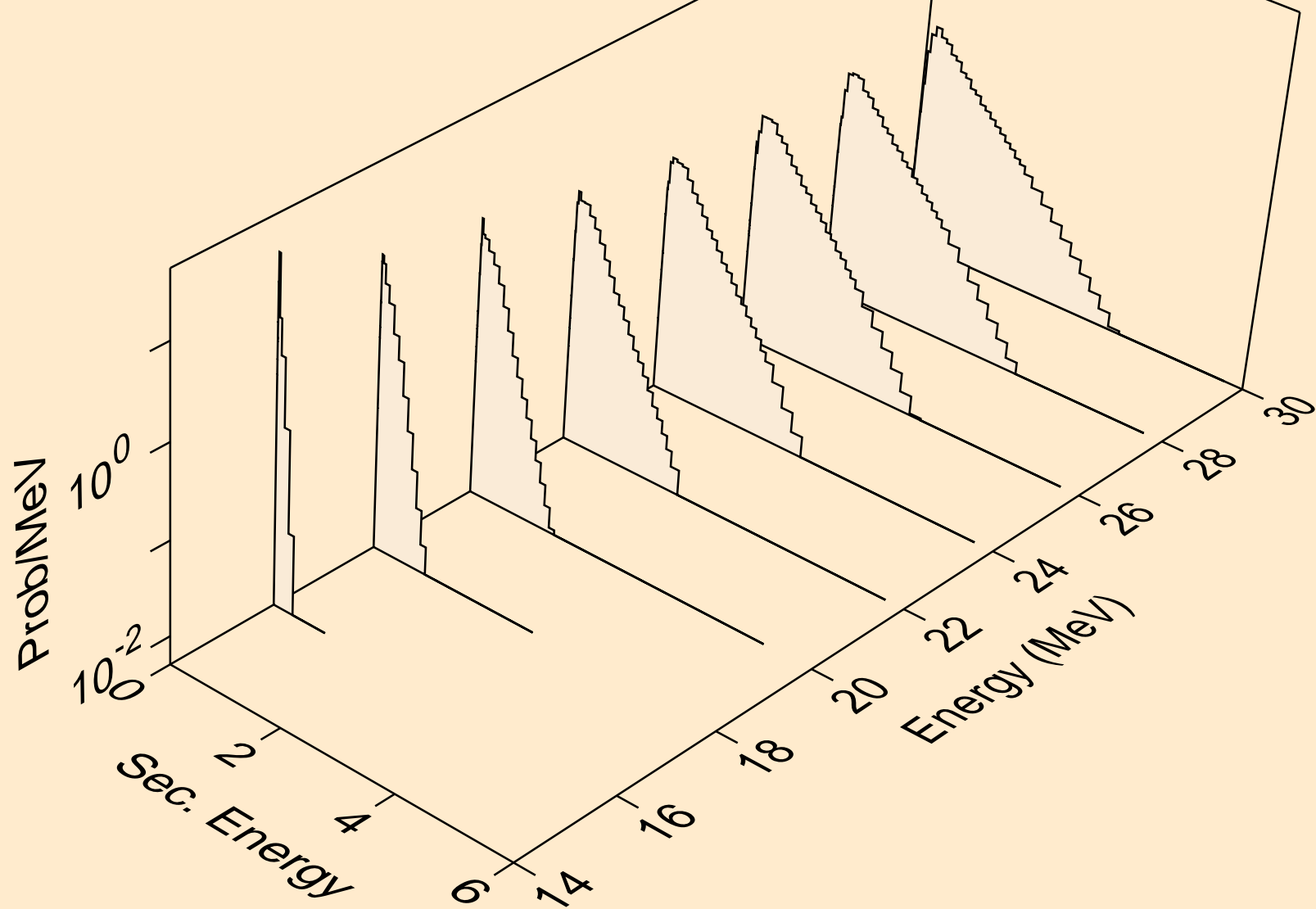
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



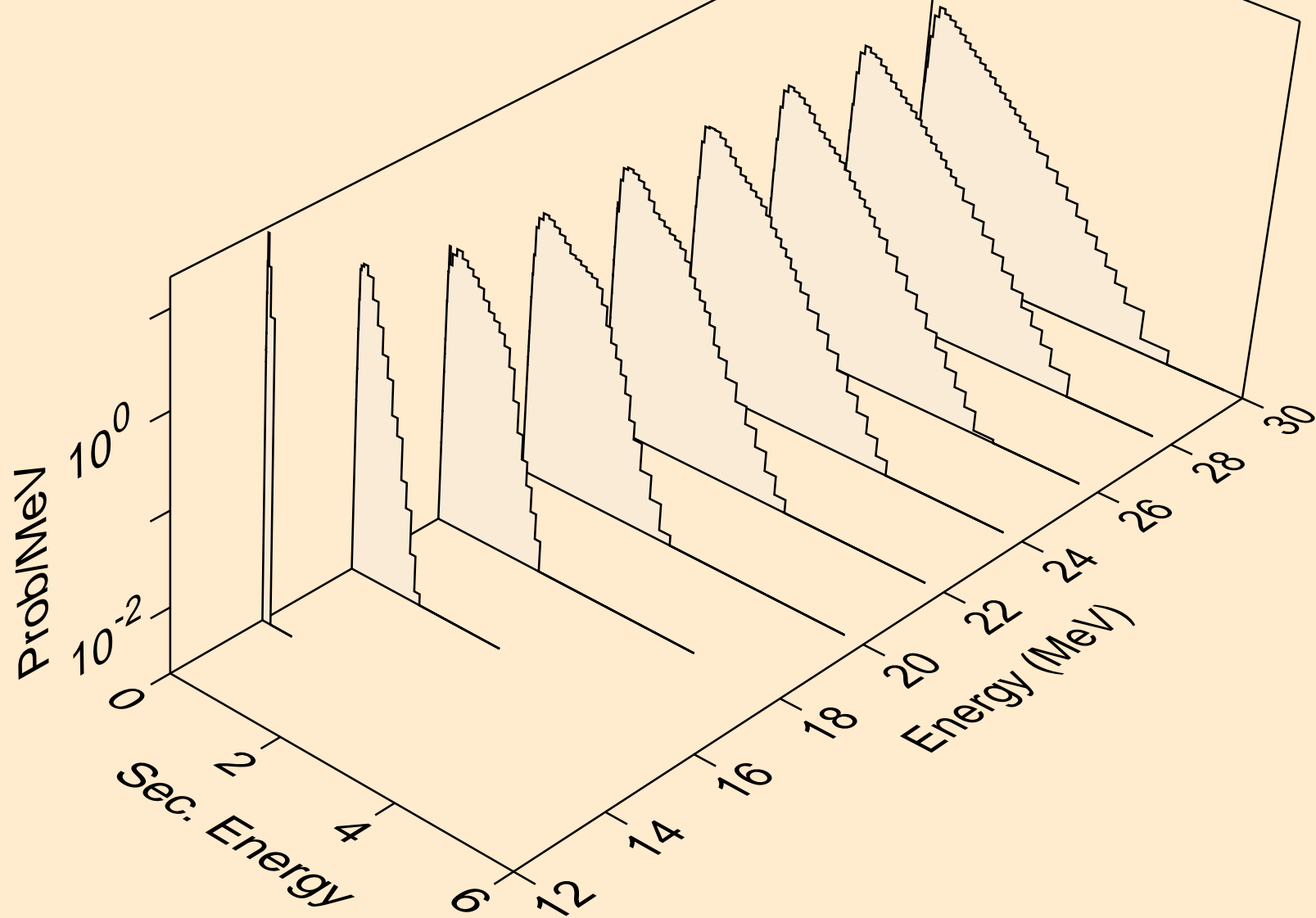
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



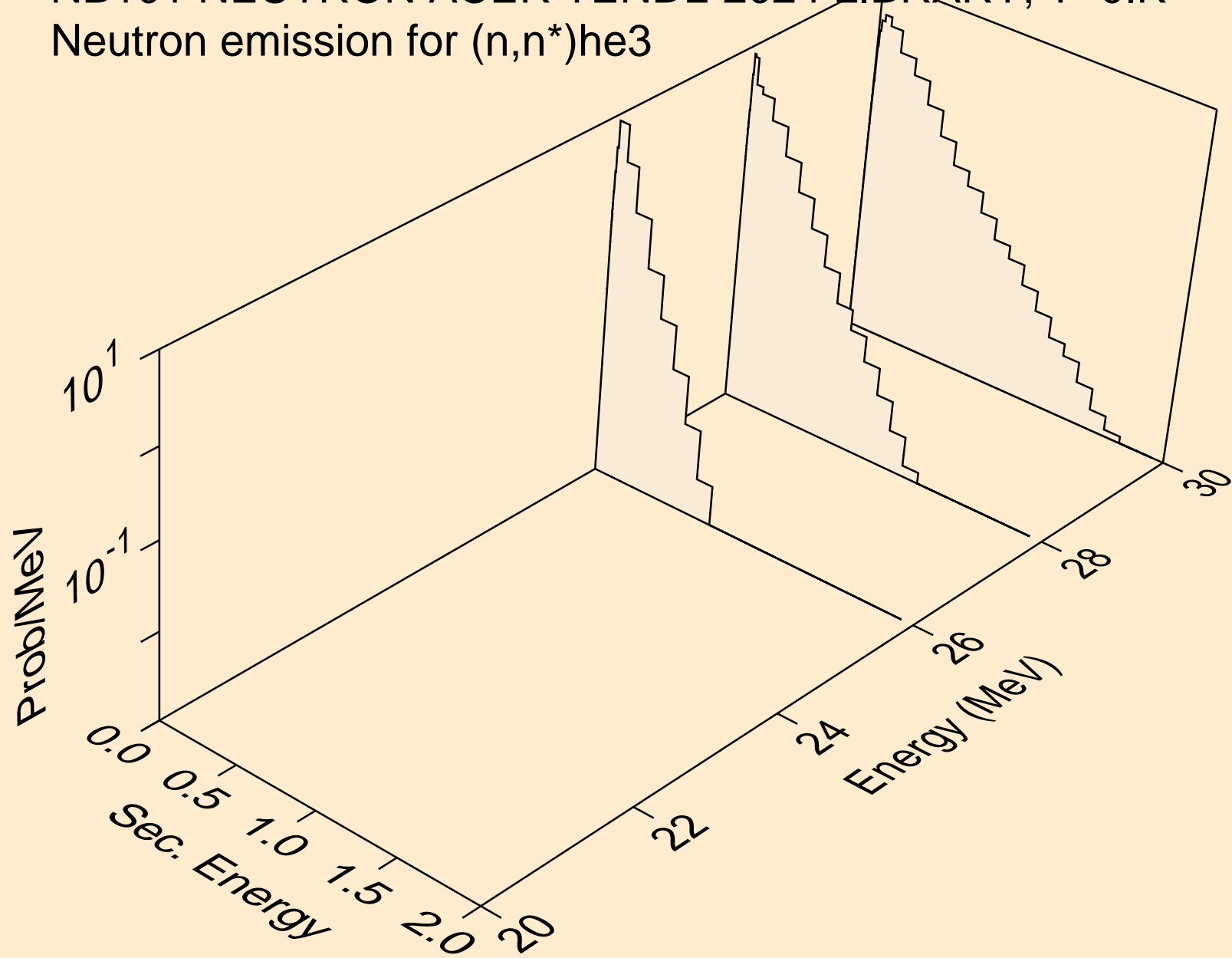
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



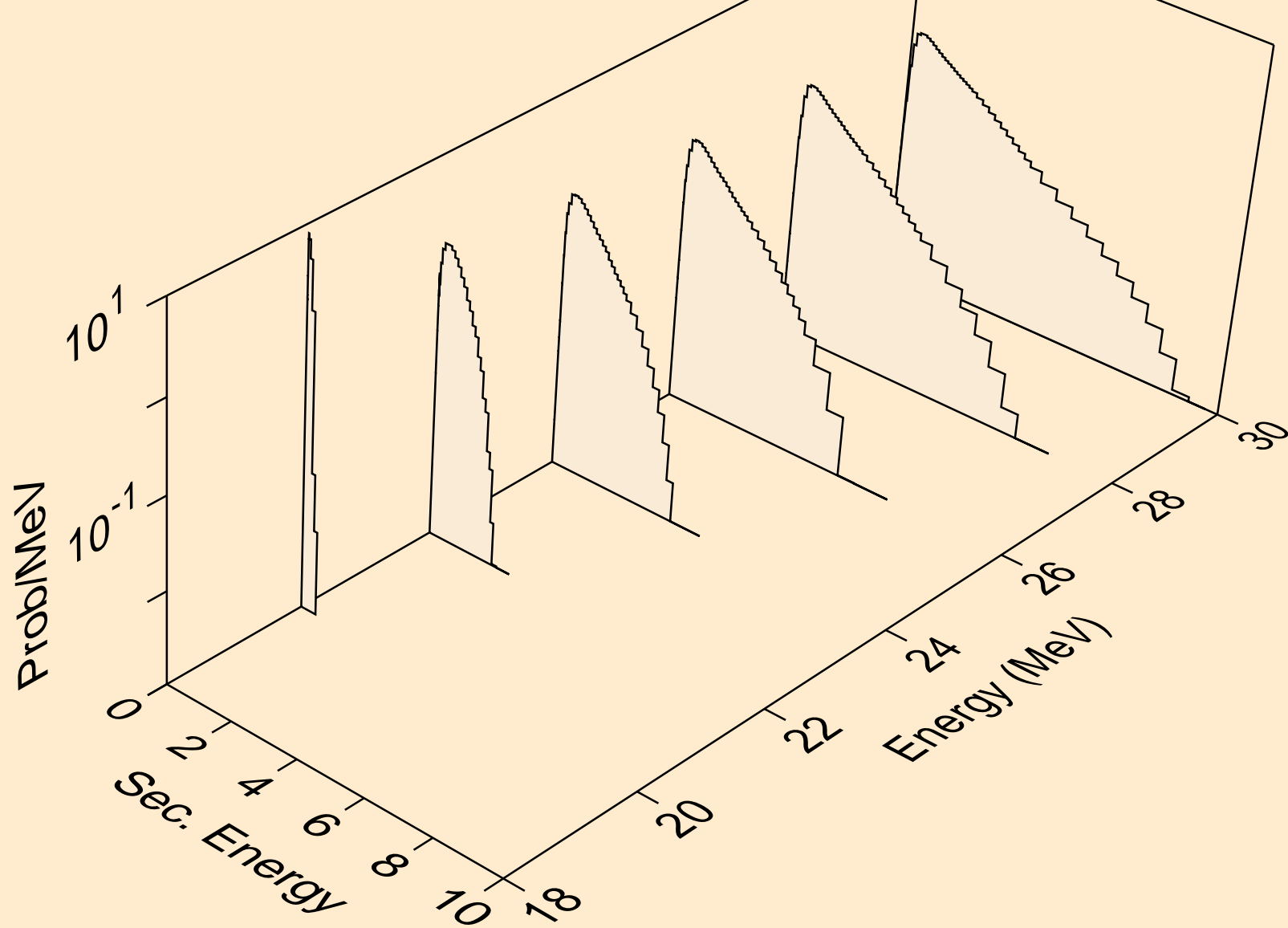
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



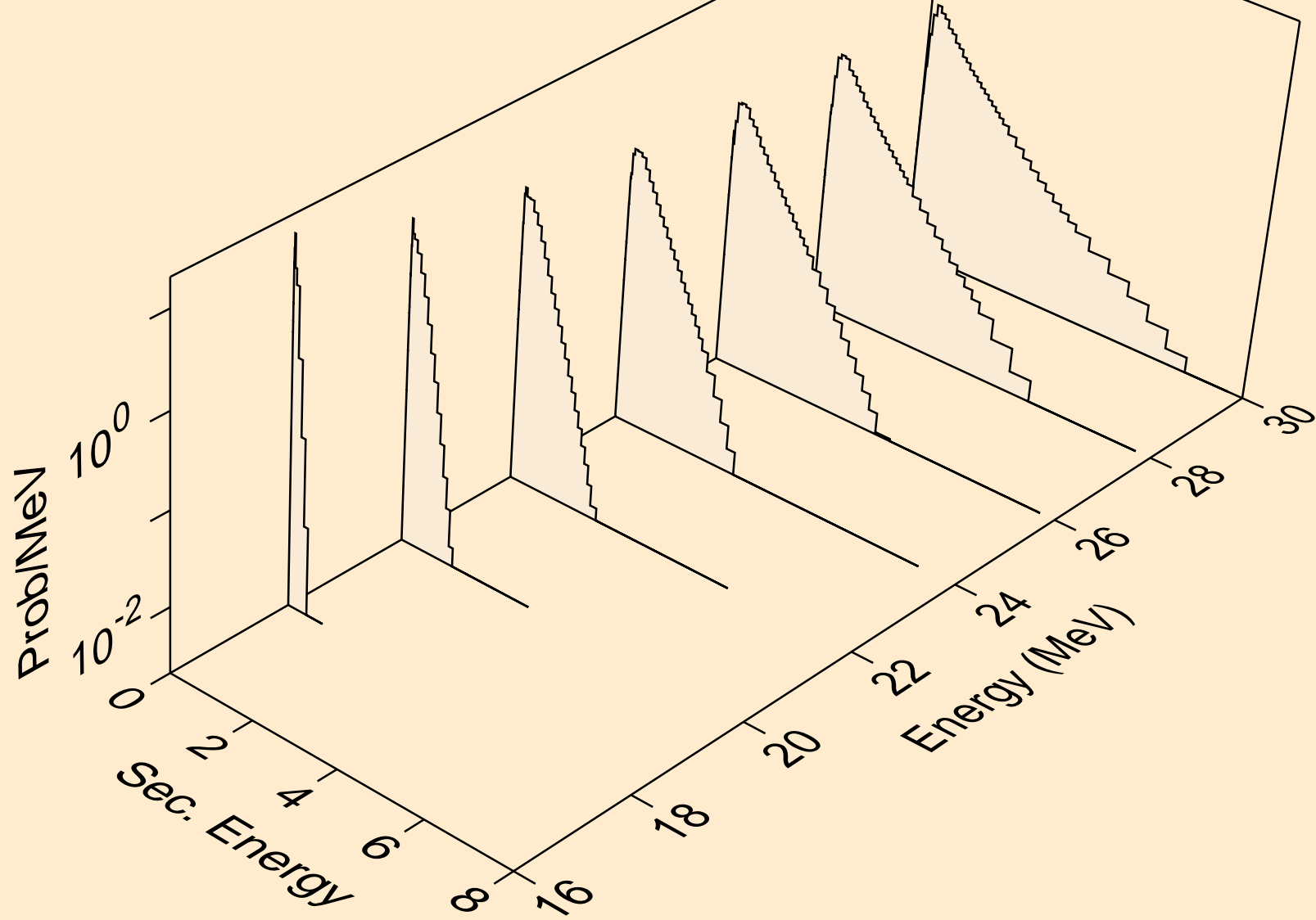
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



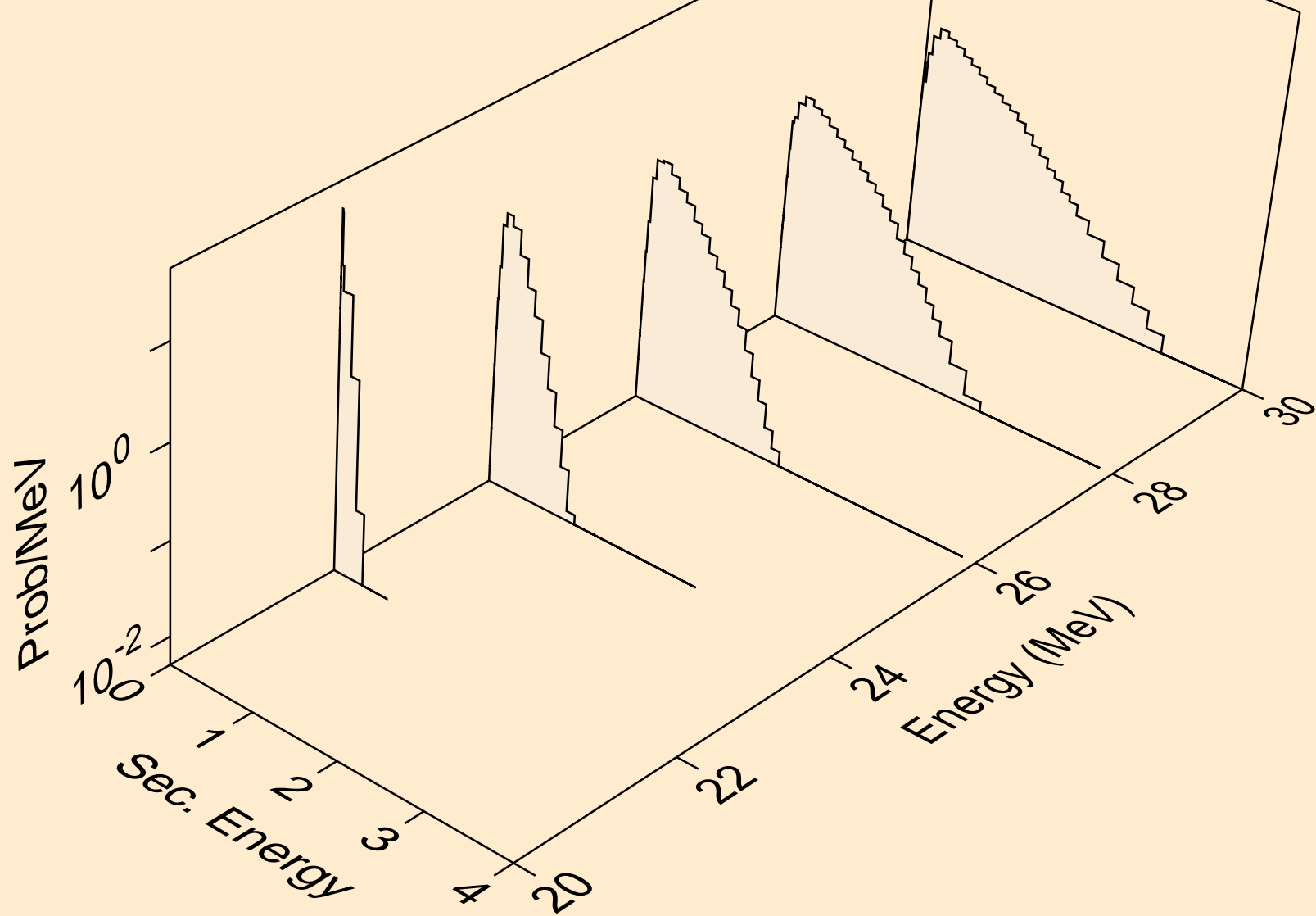
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)



NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)

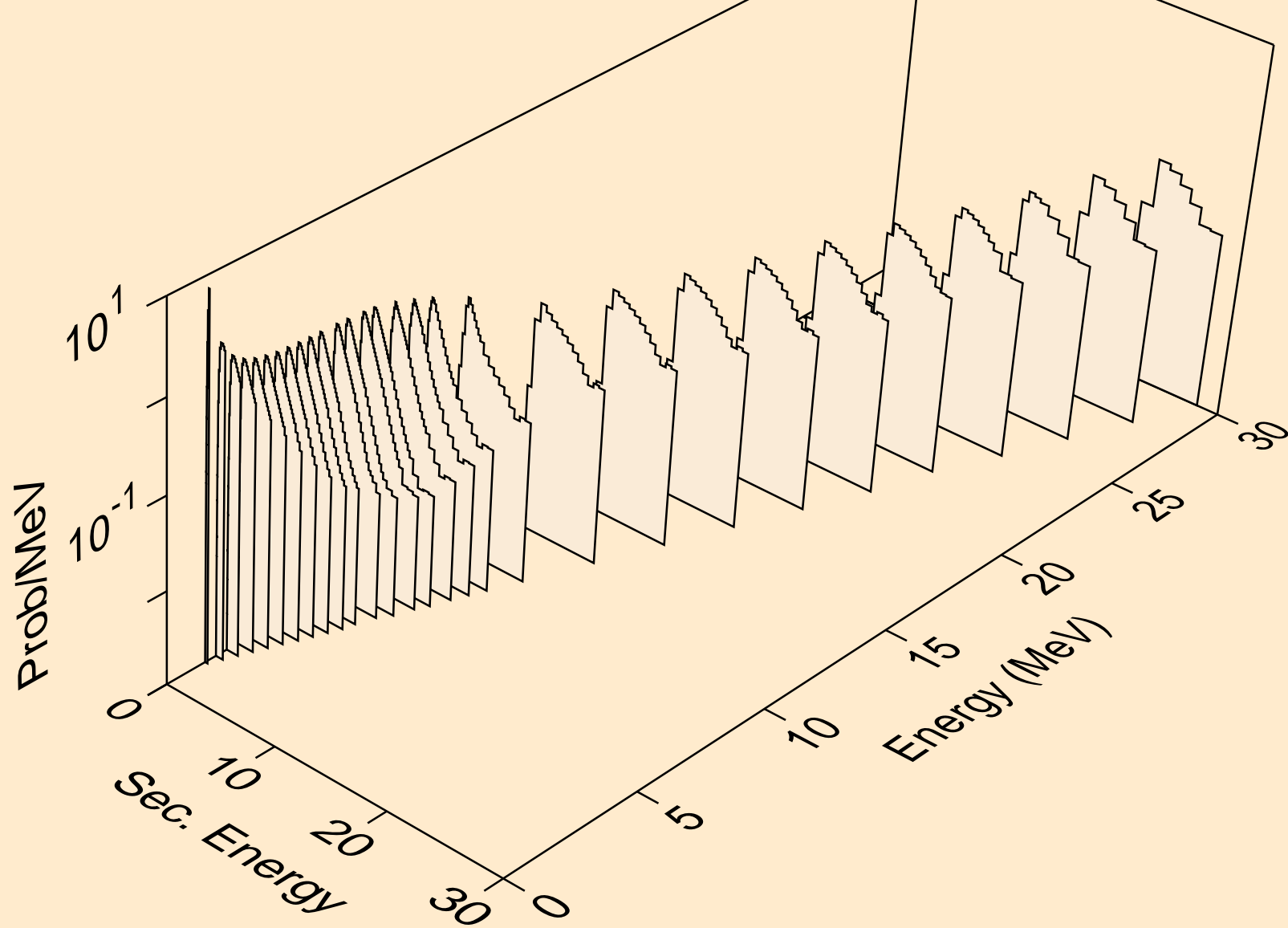


NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)

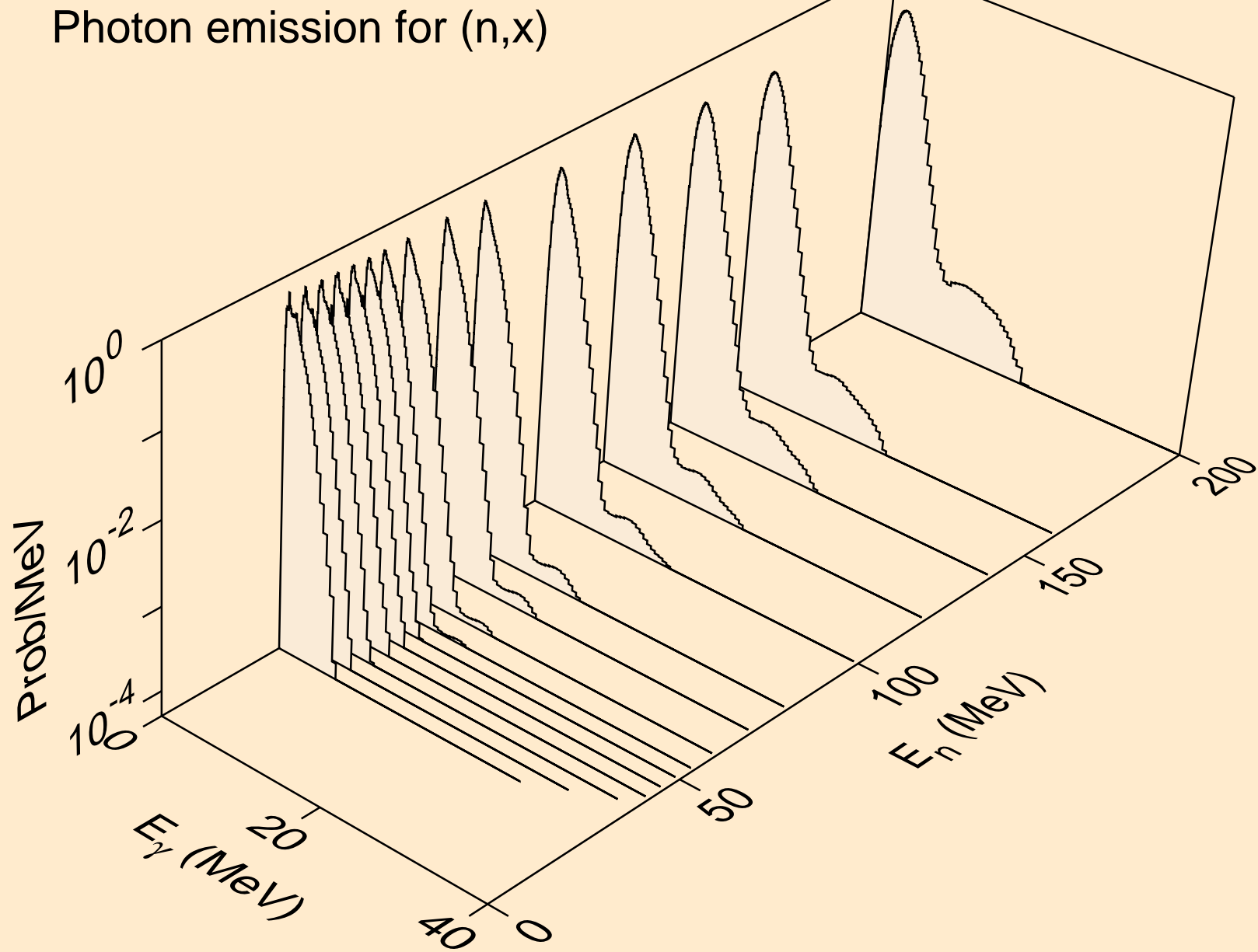




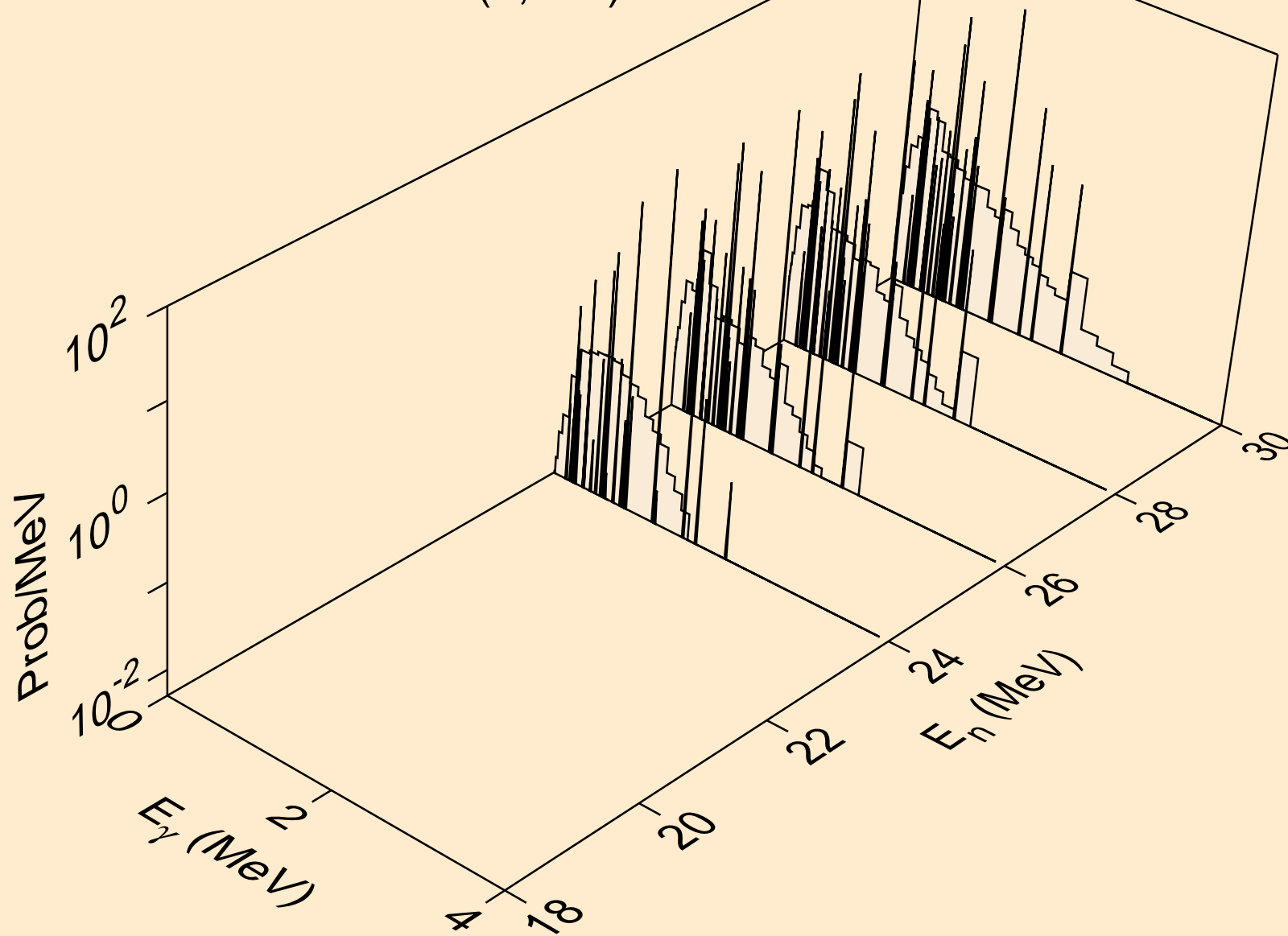
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



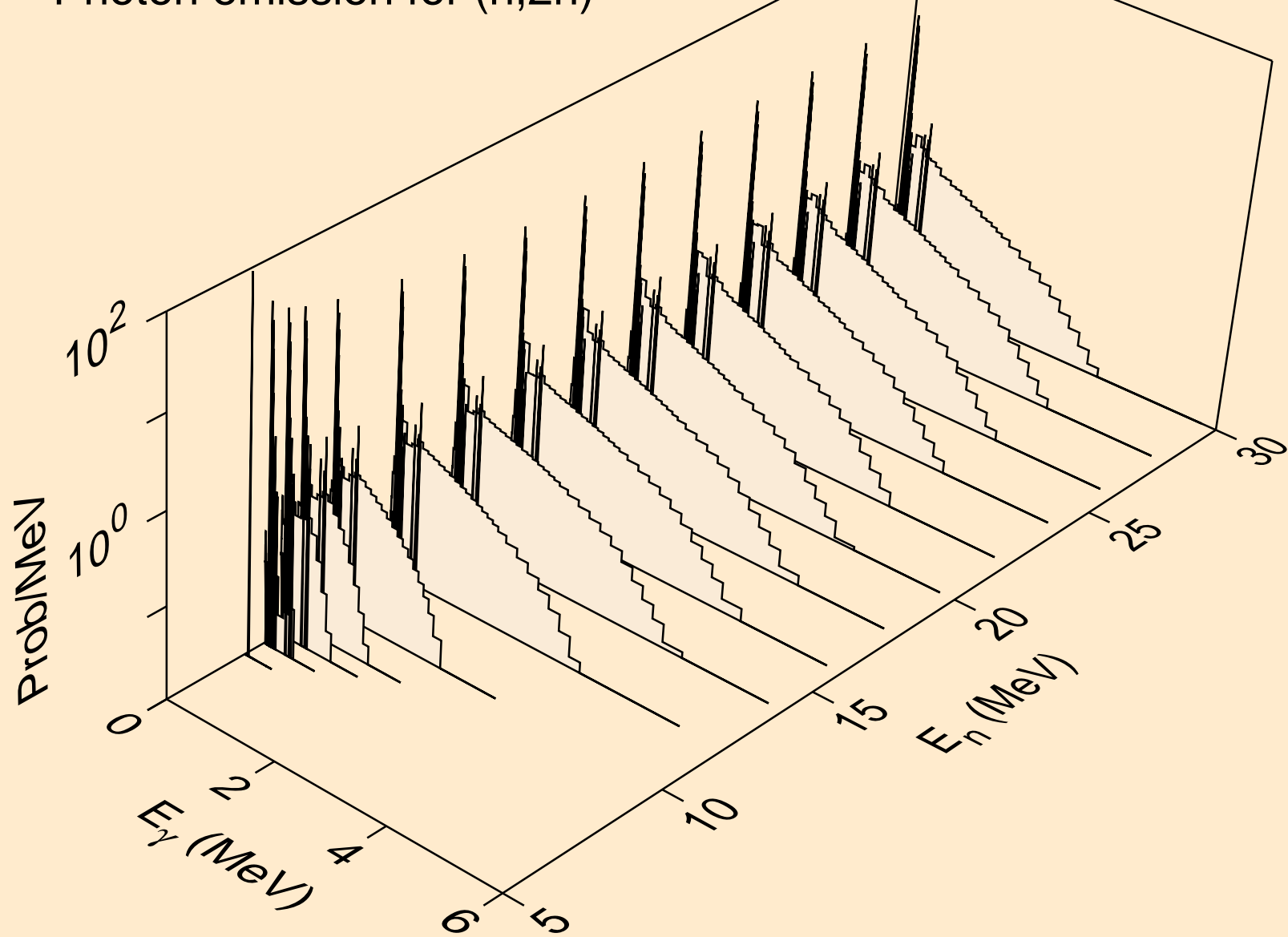
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



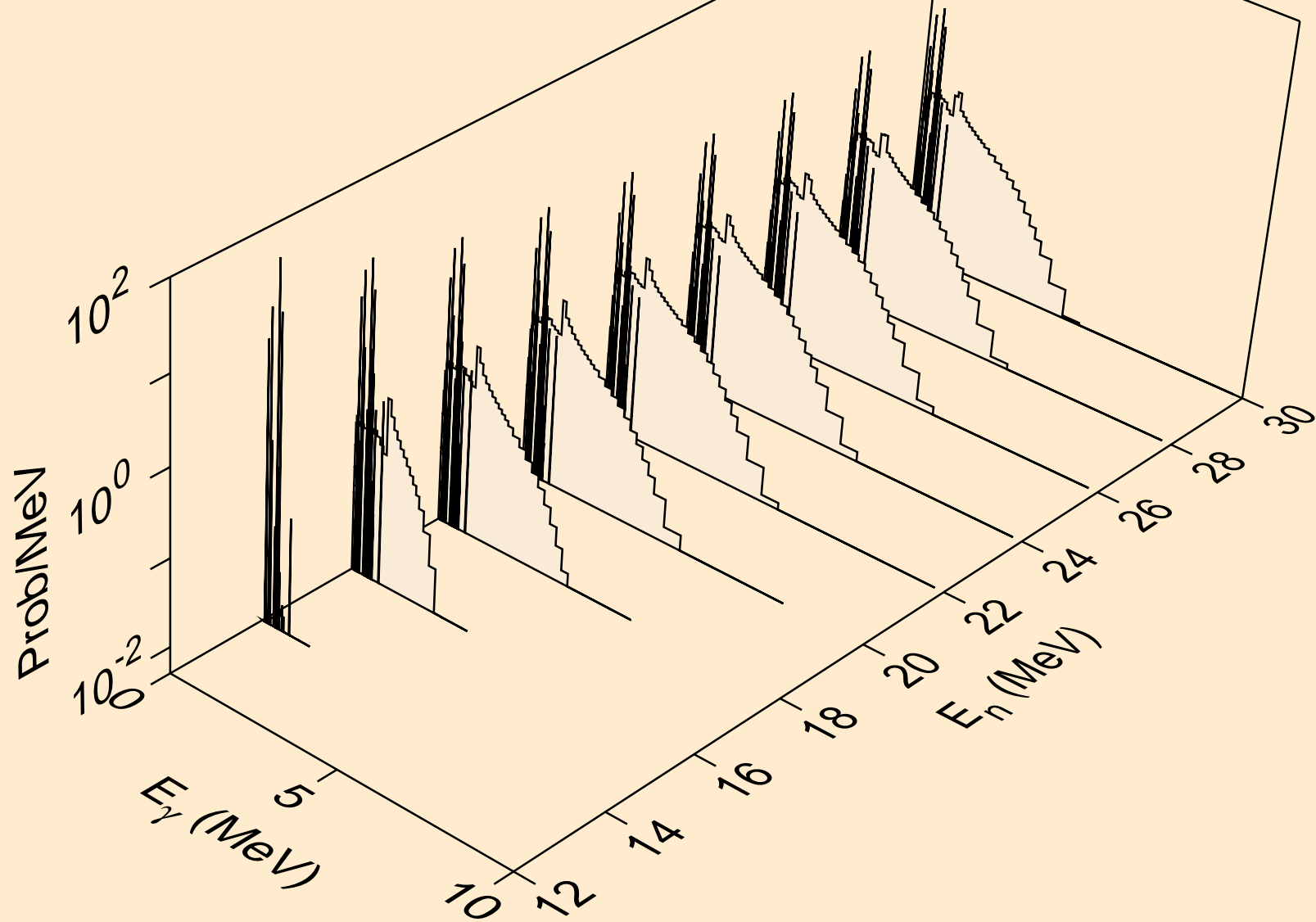
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Photon emission for (n,2nd)



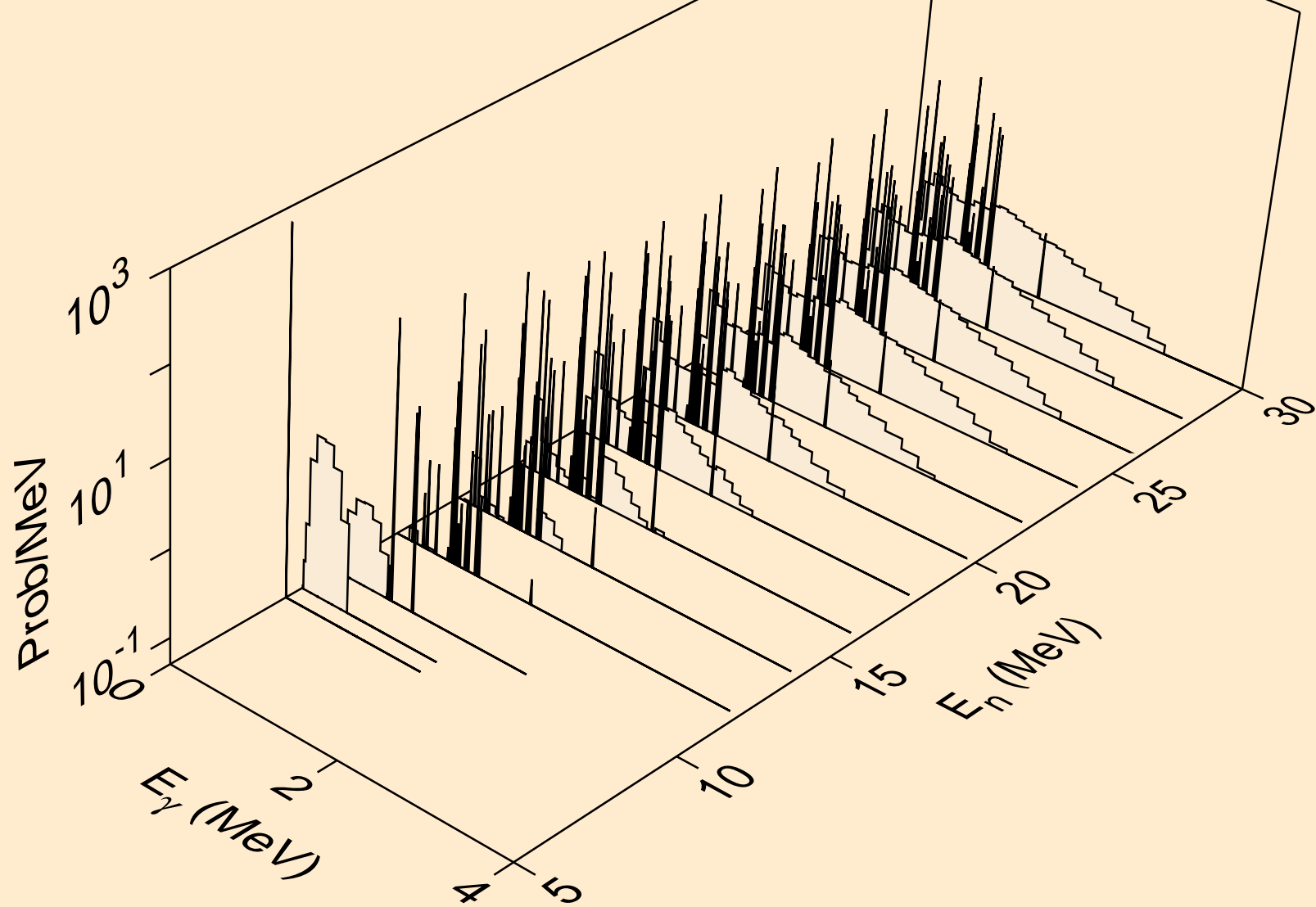
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Photon emission for (n,2n)



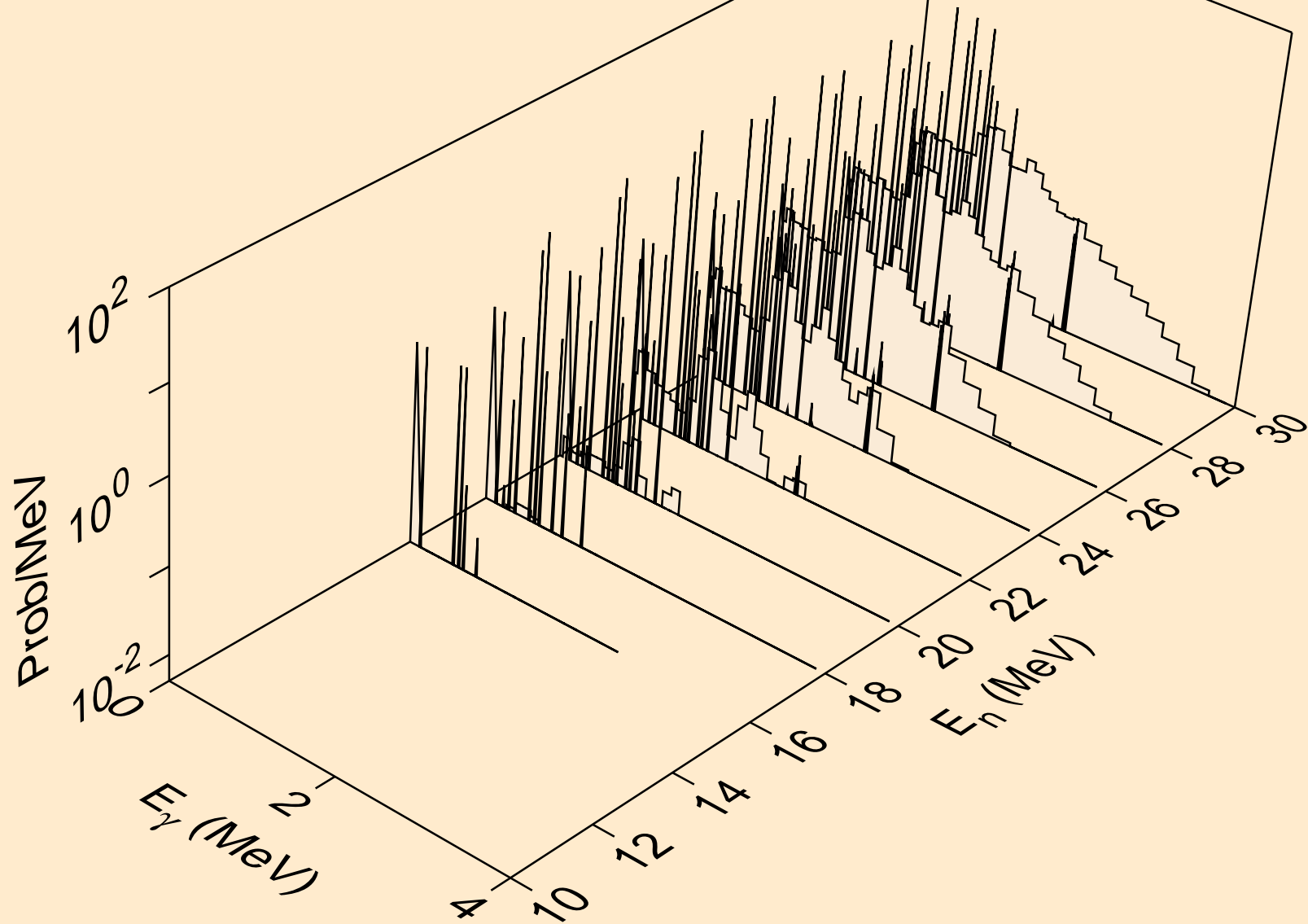
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Photon emission for (n,3n)



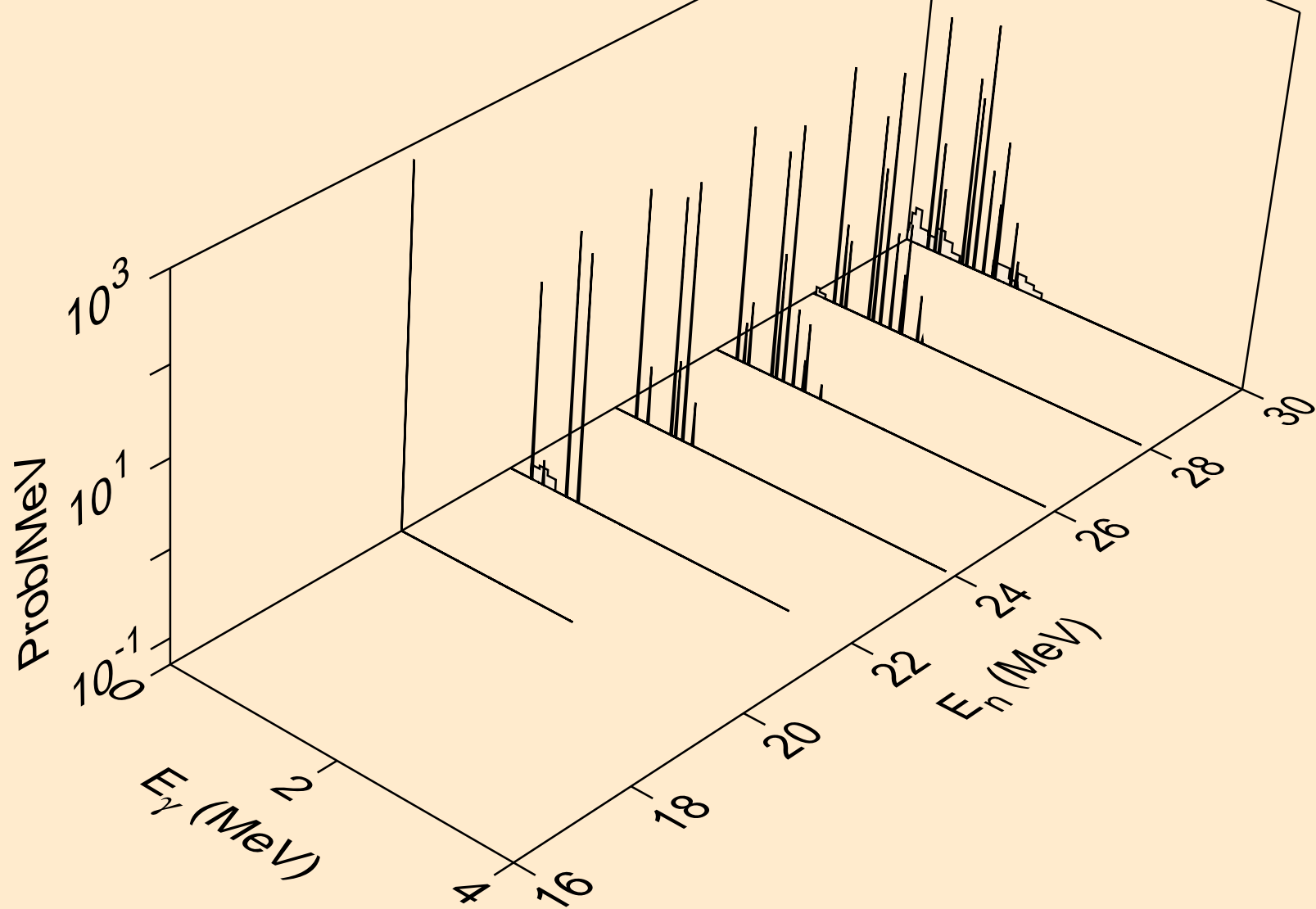
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a

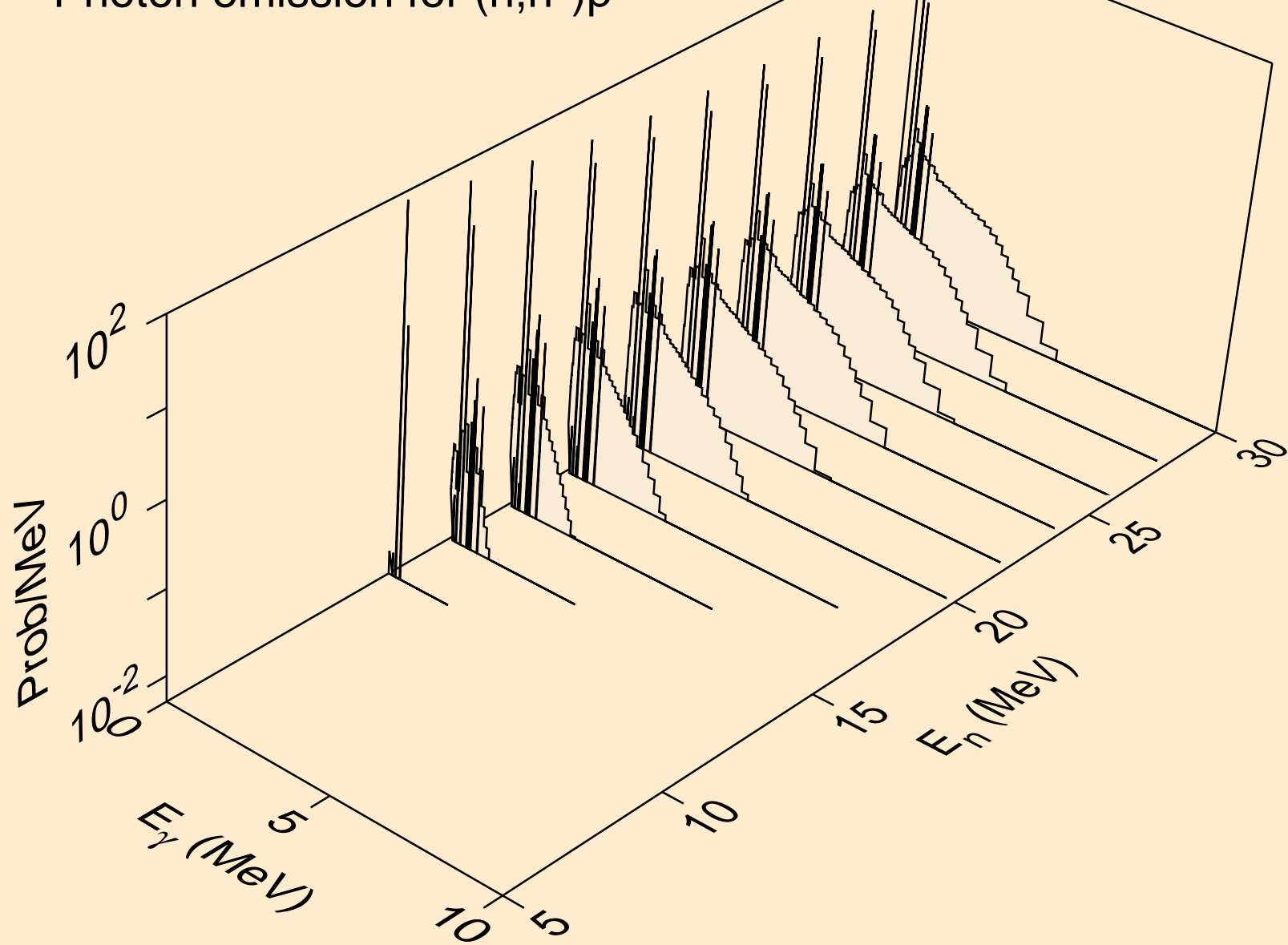


NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a

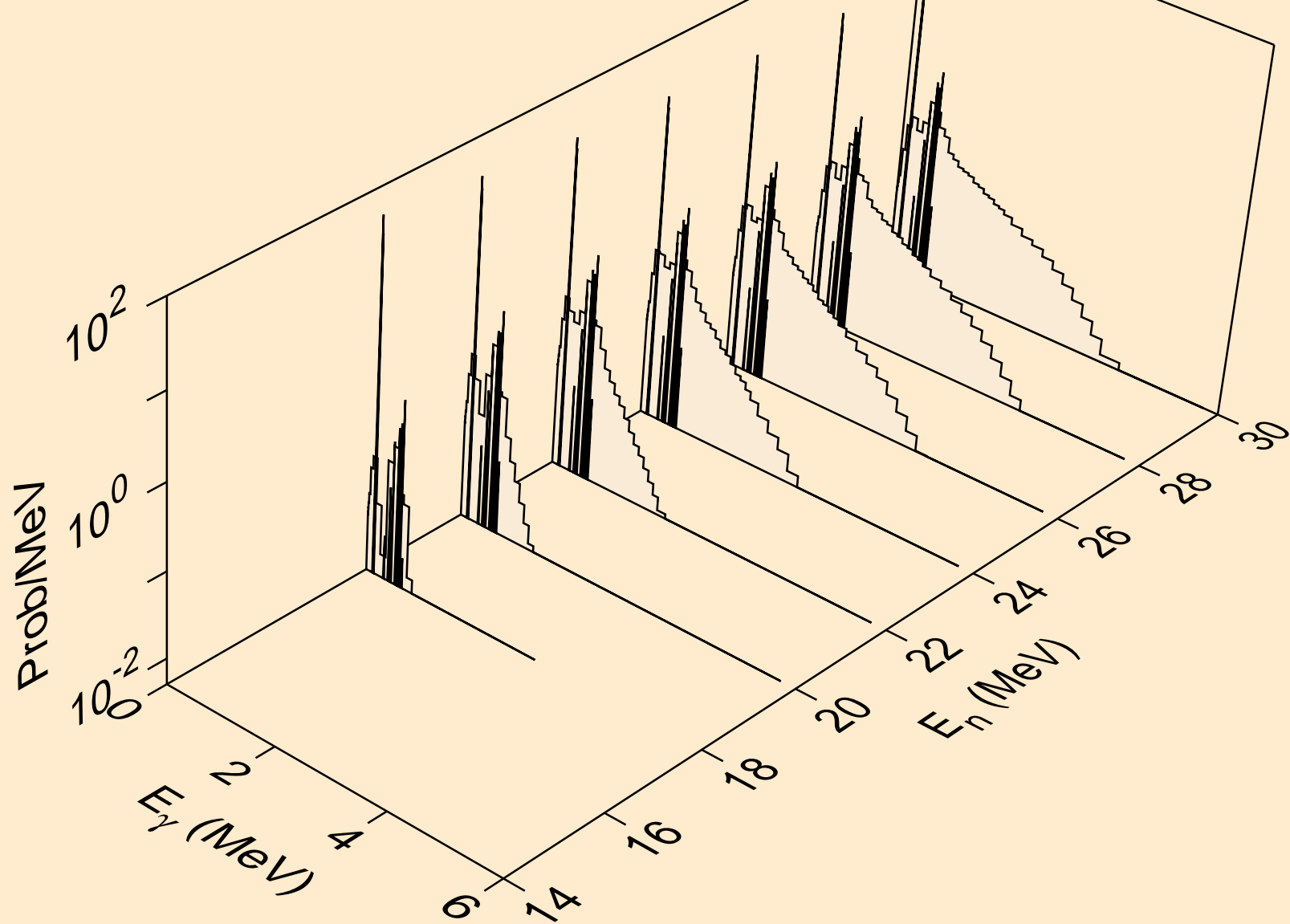




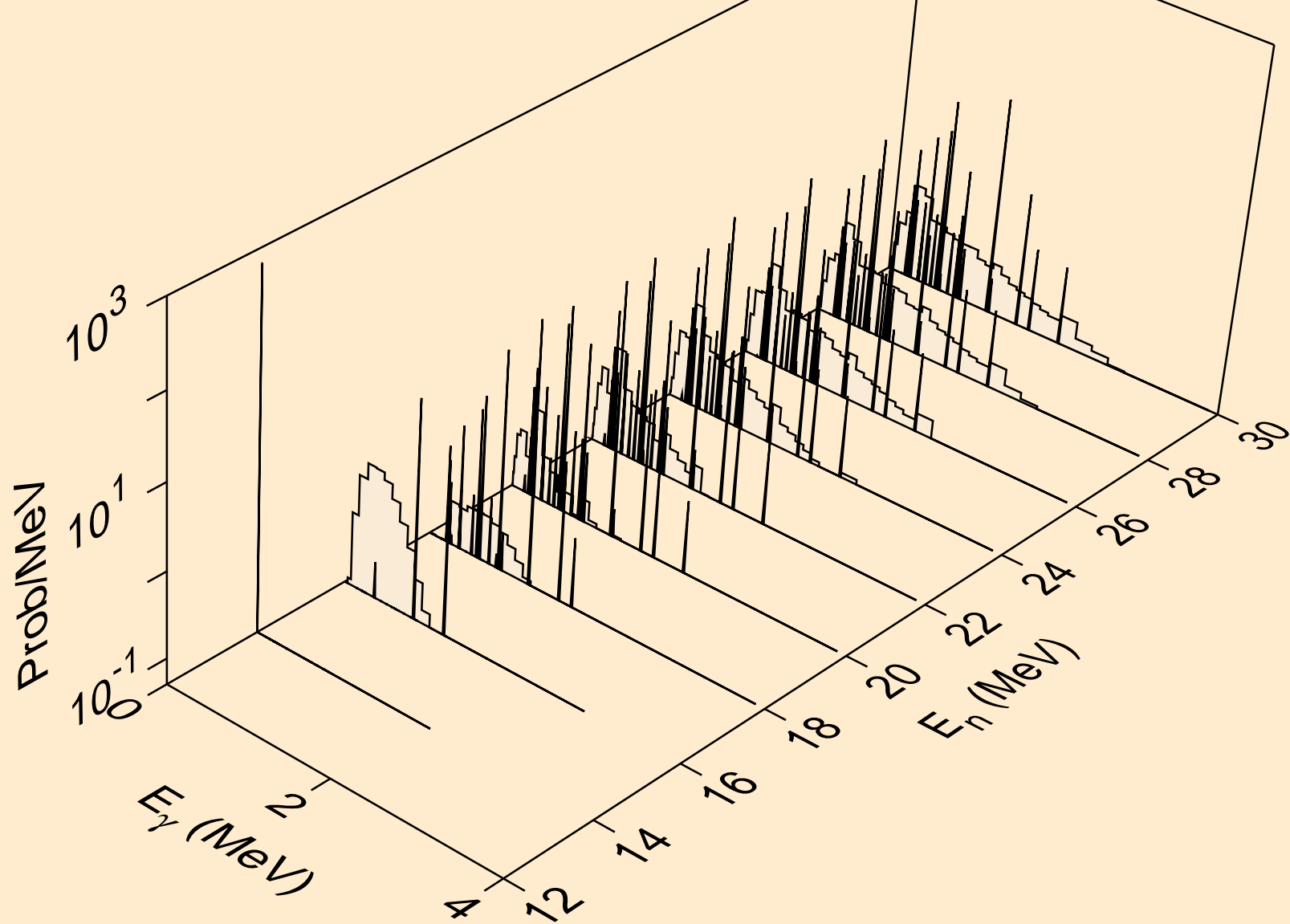
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Photon emission for (n,n\*)p



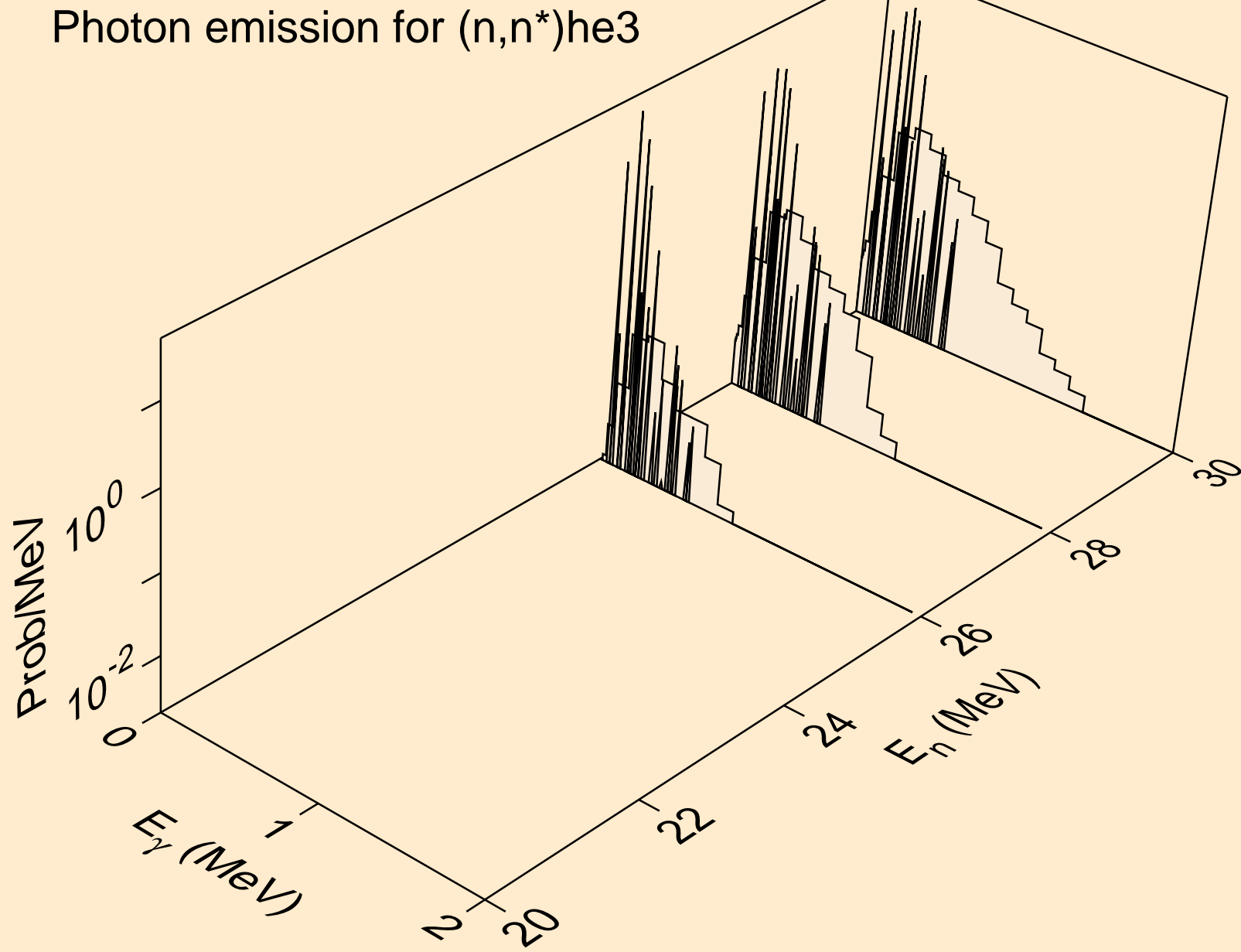
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Photon emission for (n,n\*)d



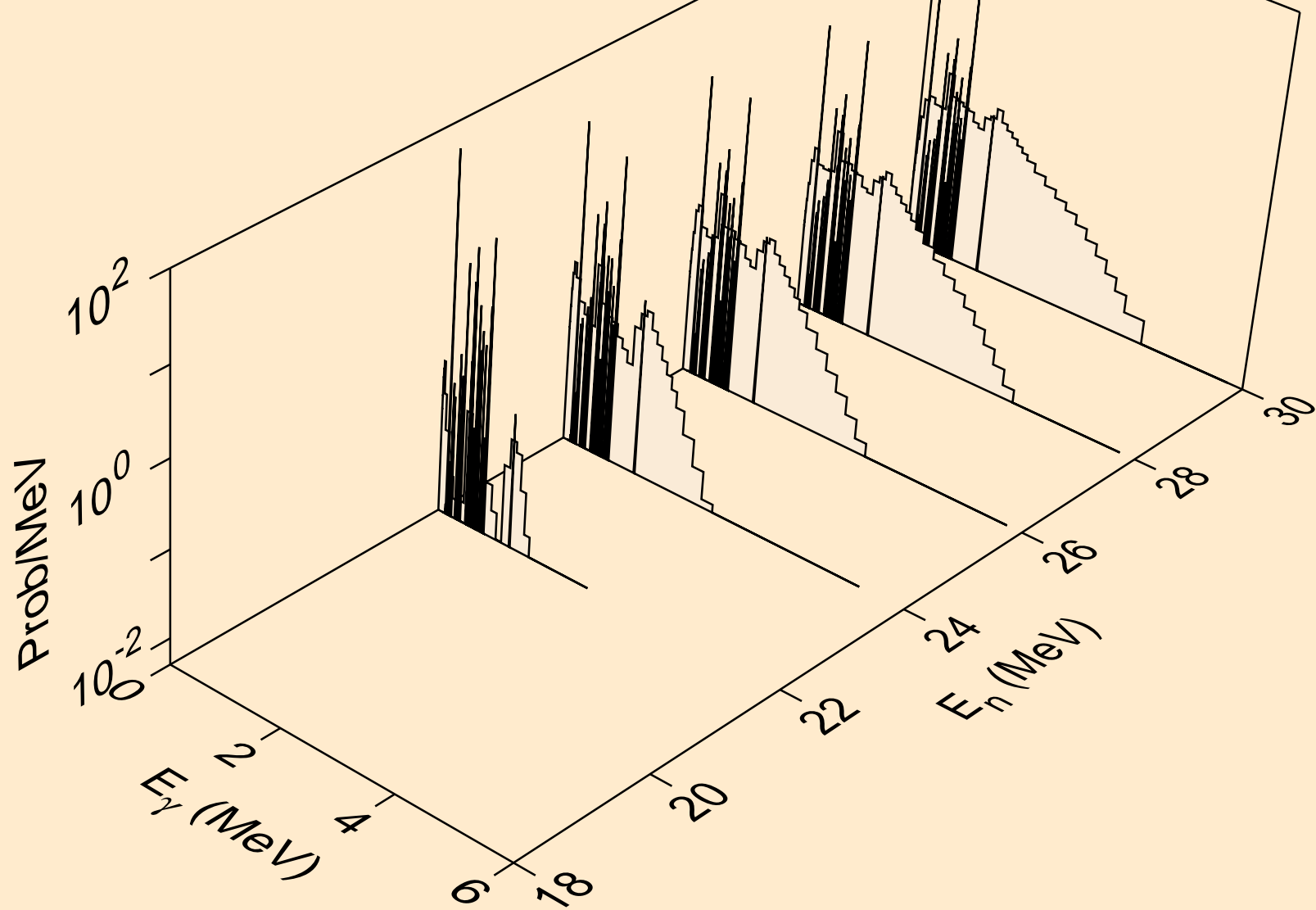
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Photon emission for (n,n\*)t



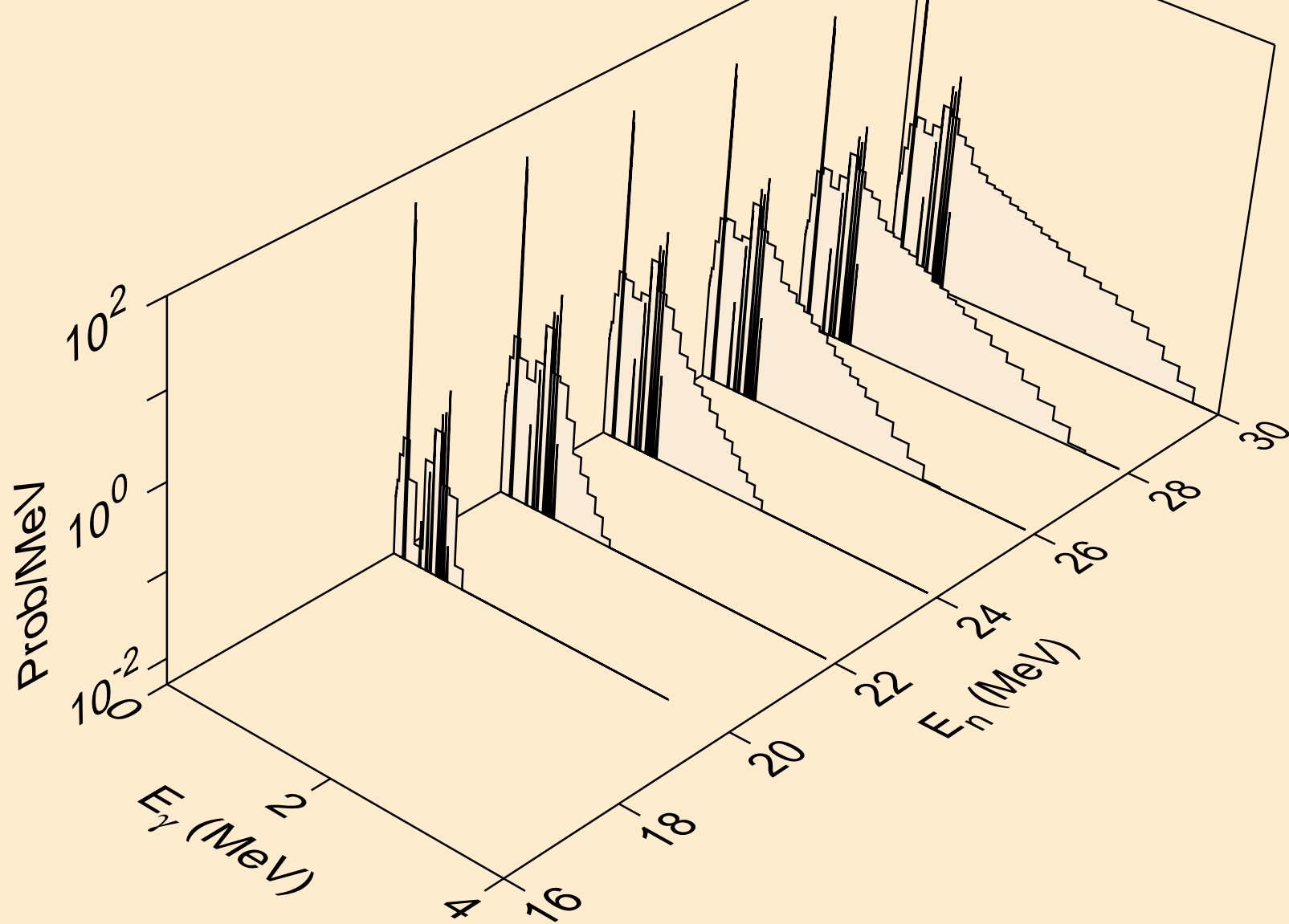
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



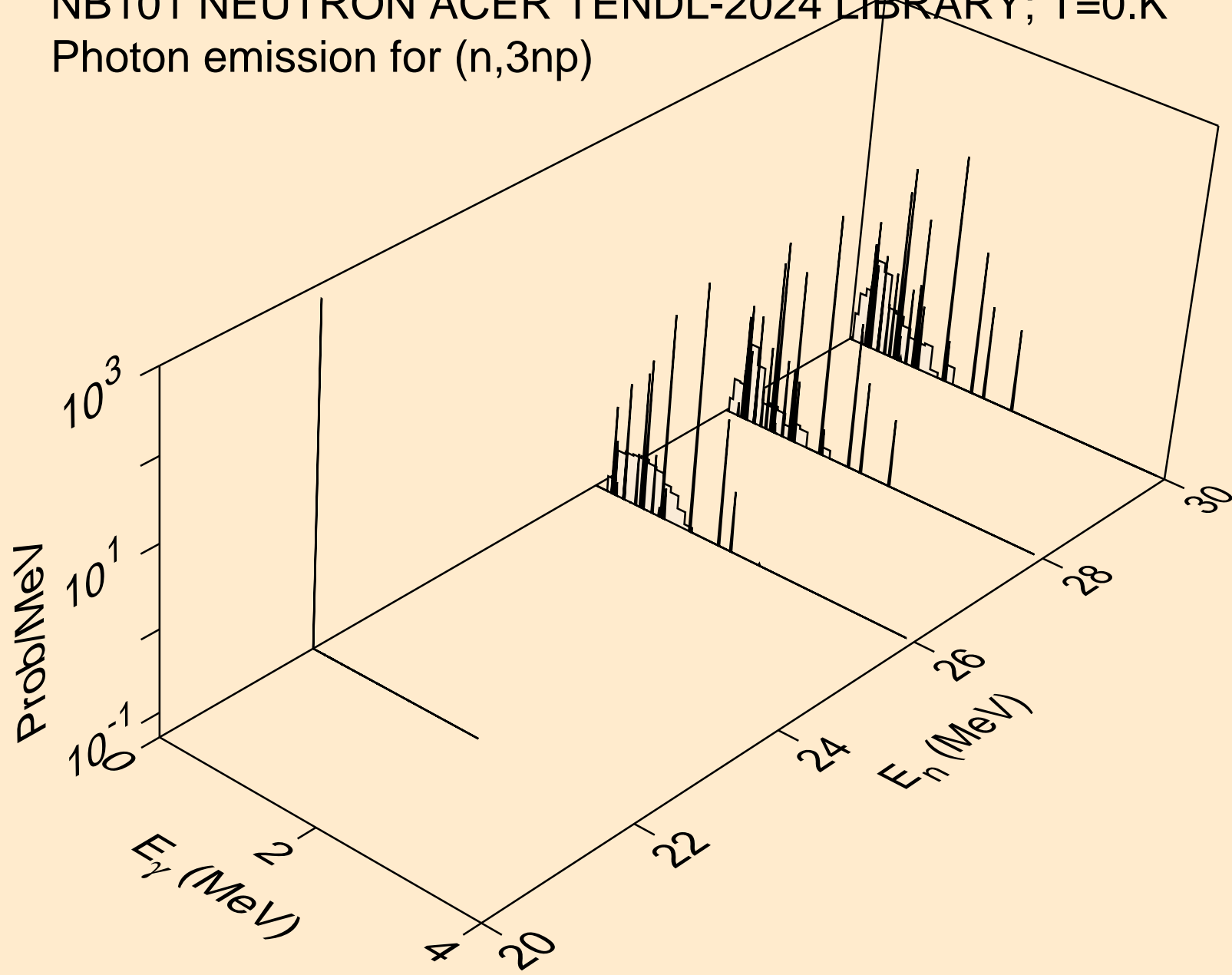
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Photon emission for (n,4n)



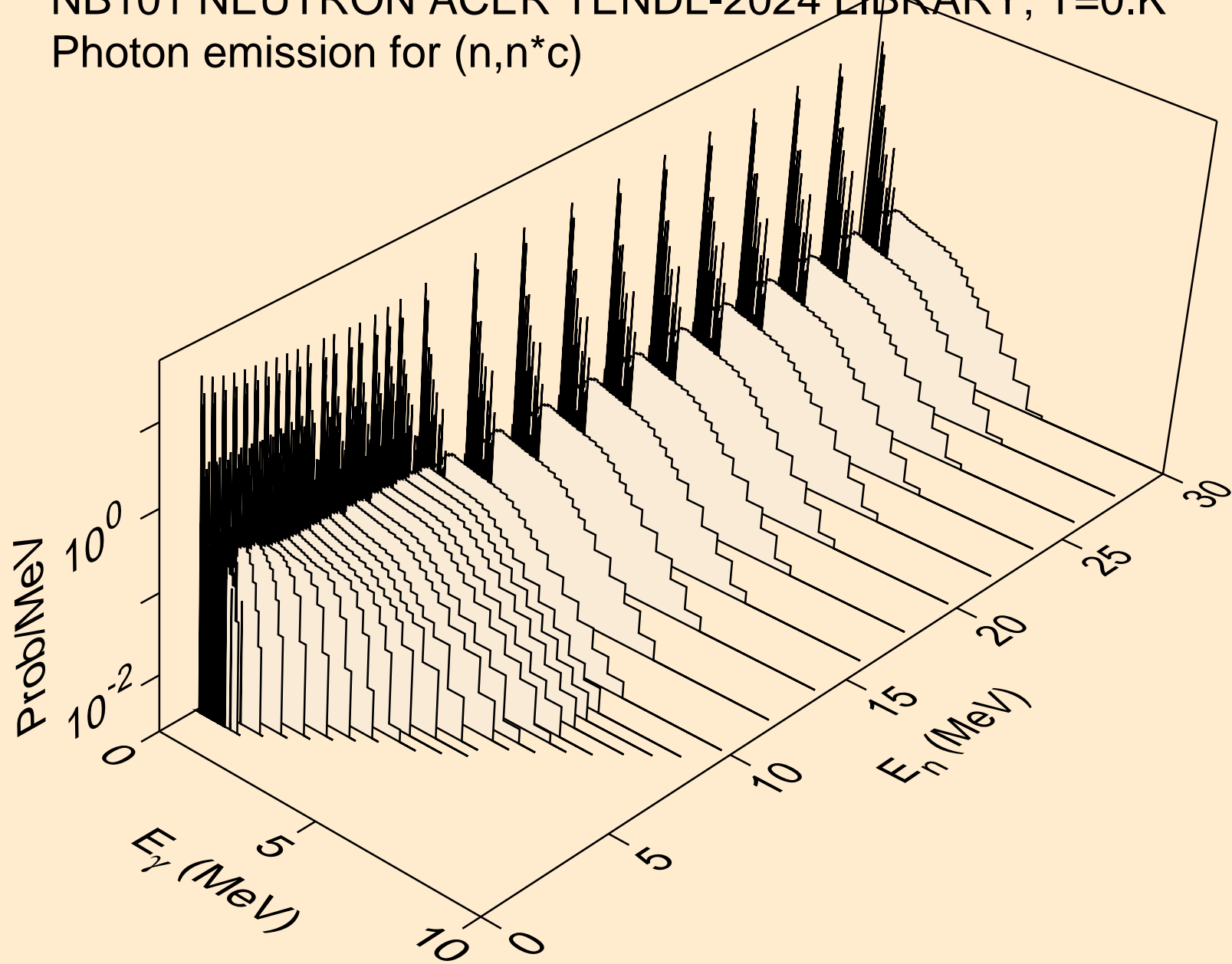
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)

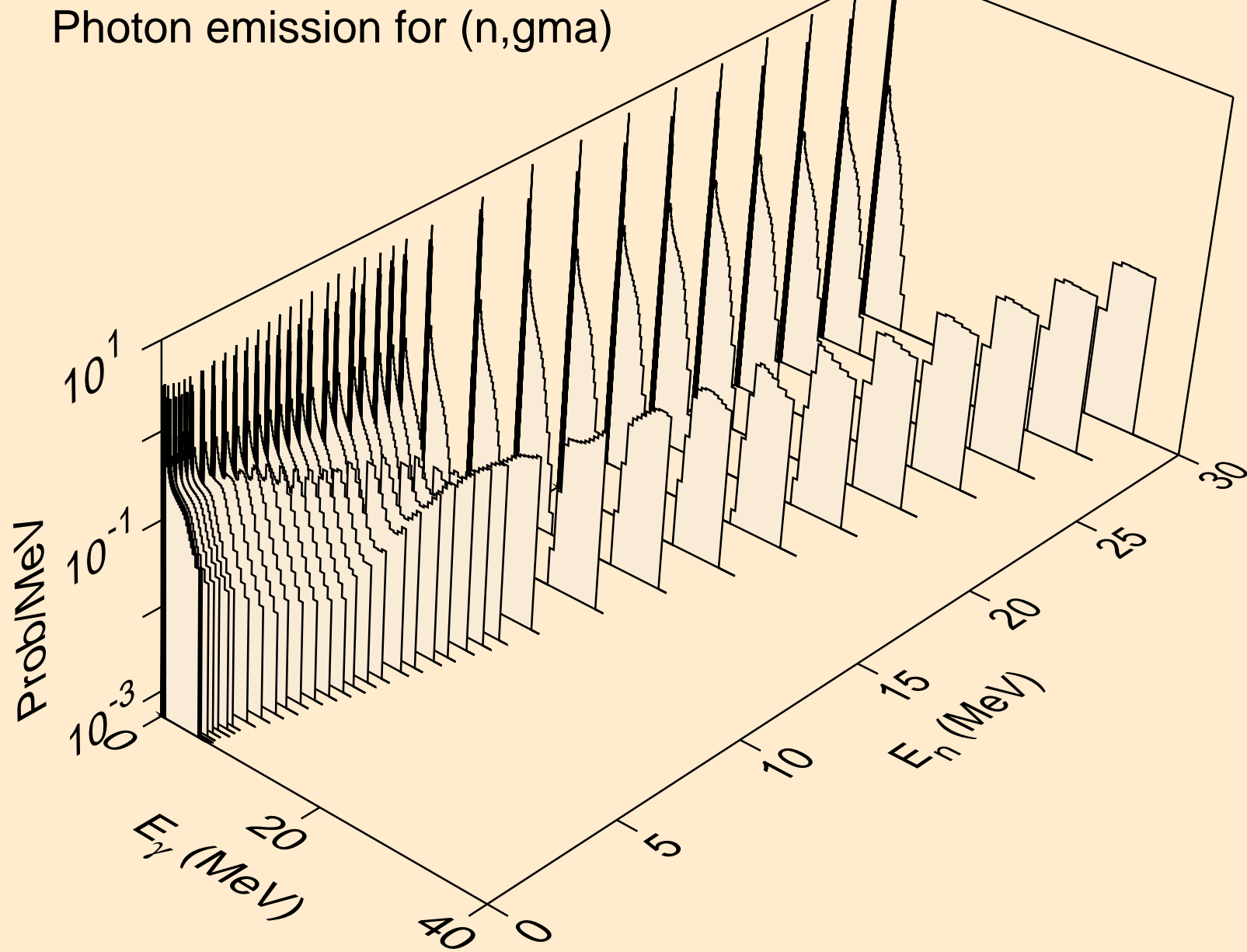


NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)

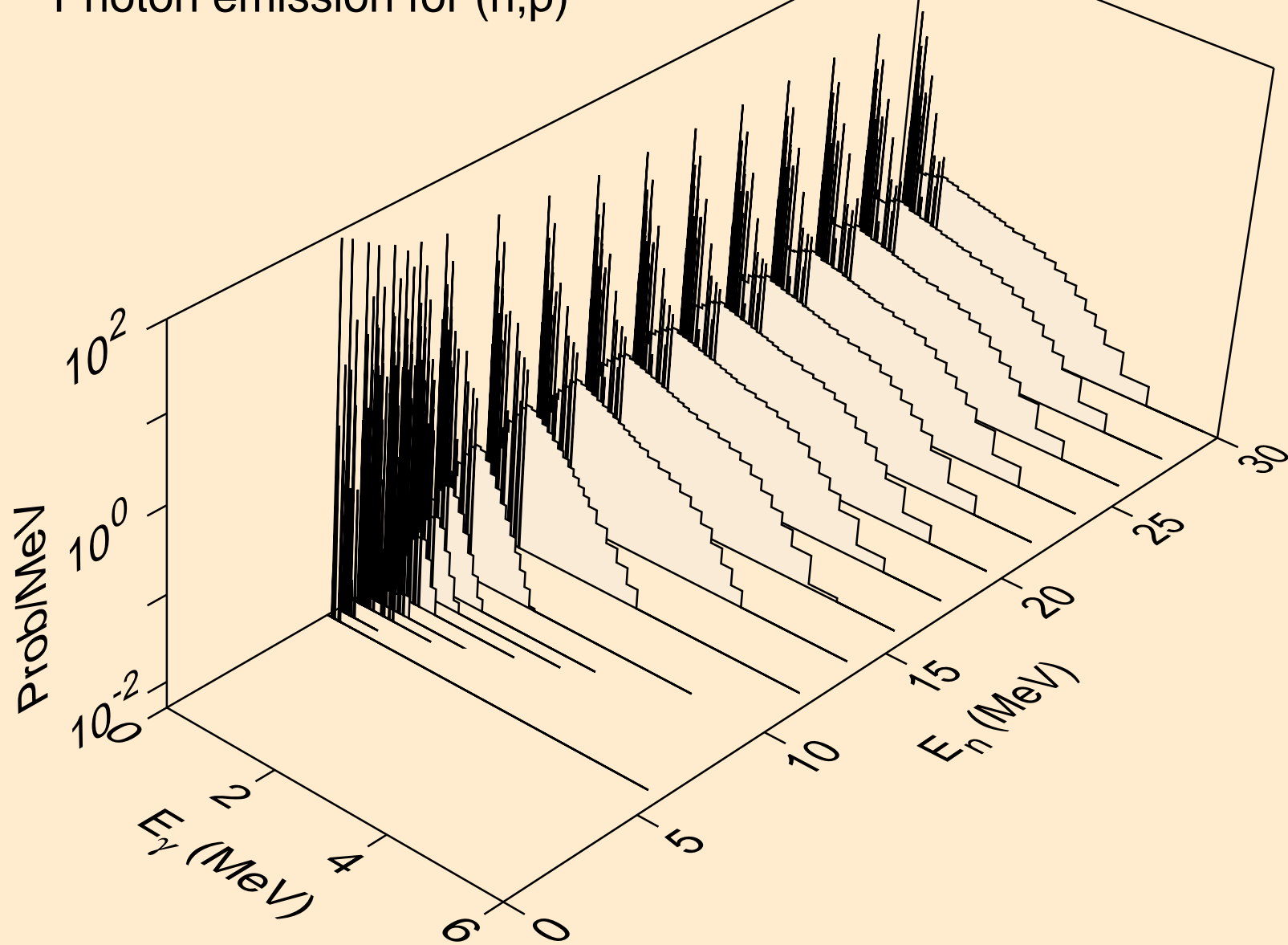




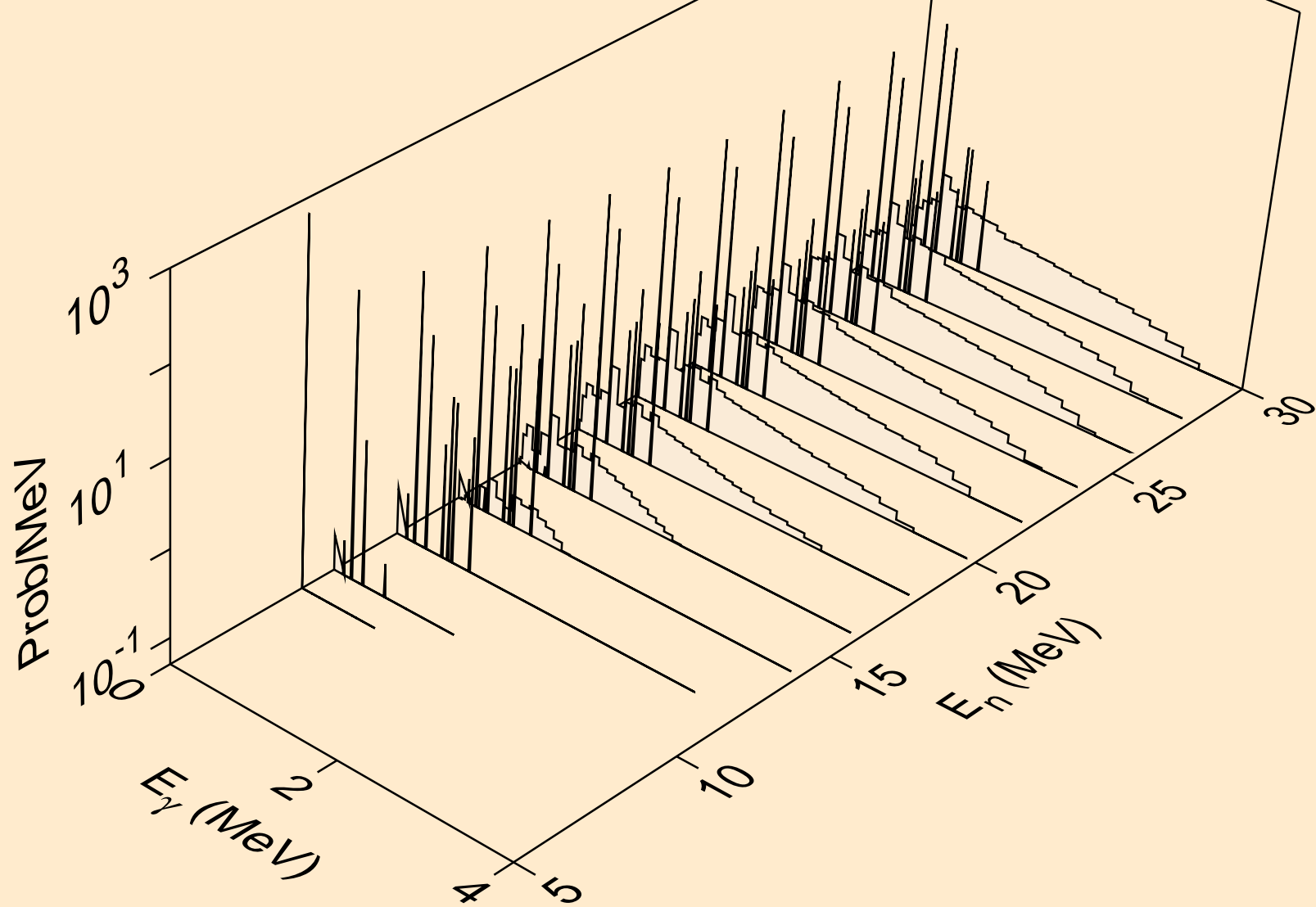
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Photon emission for (n,gma)



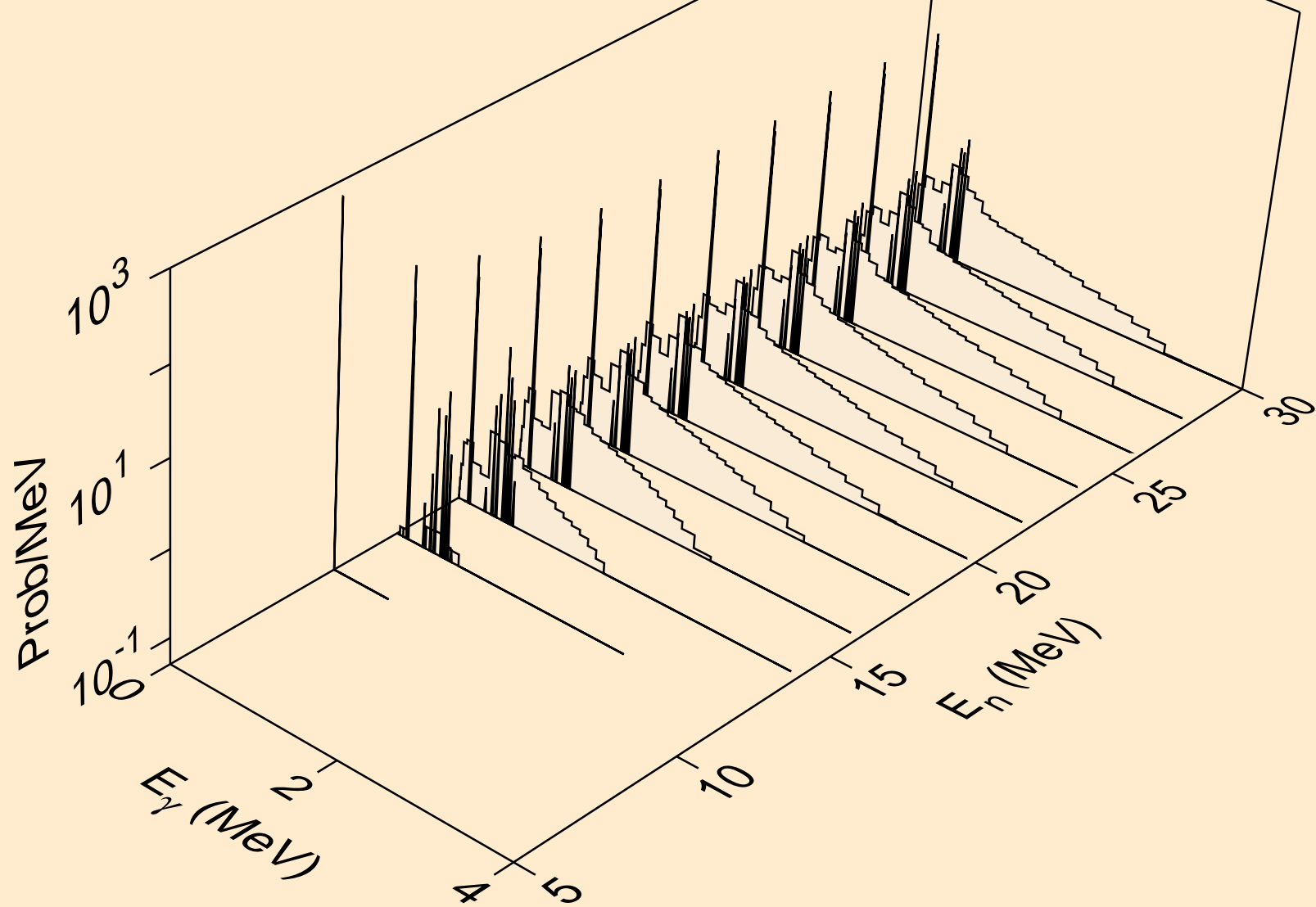
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Photon emission for (n,p)



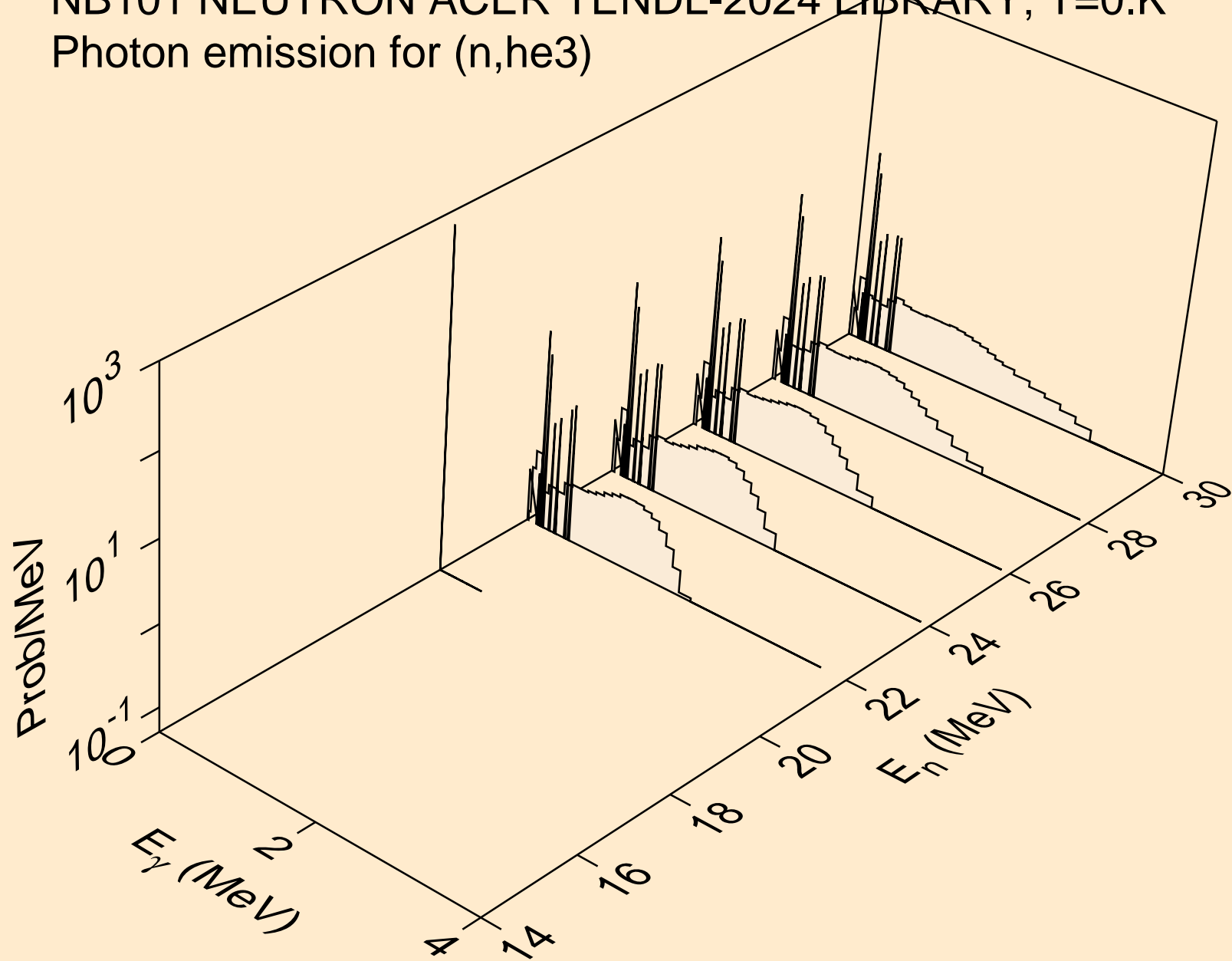
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Photon emission for (n,d)



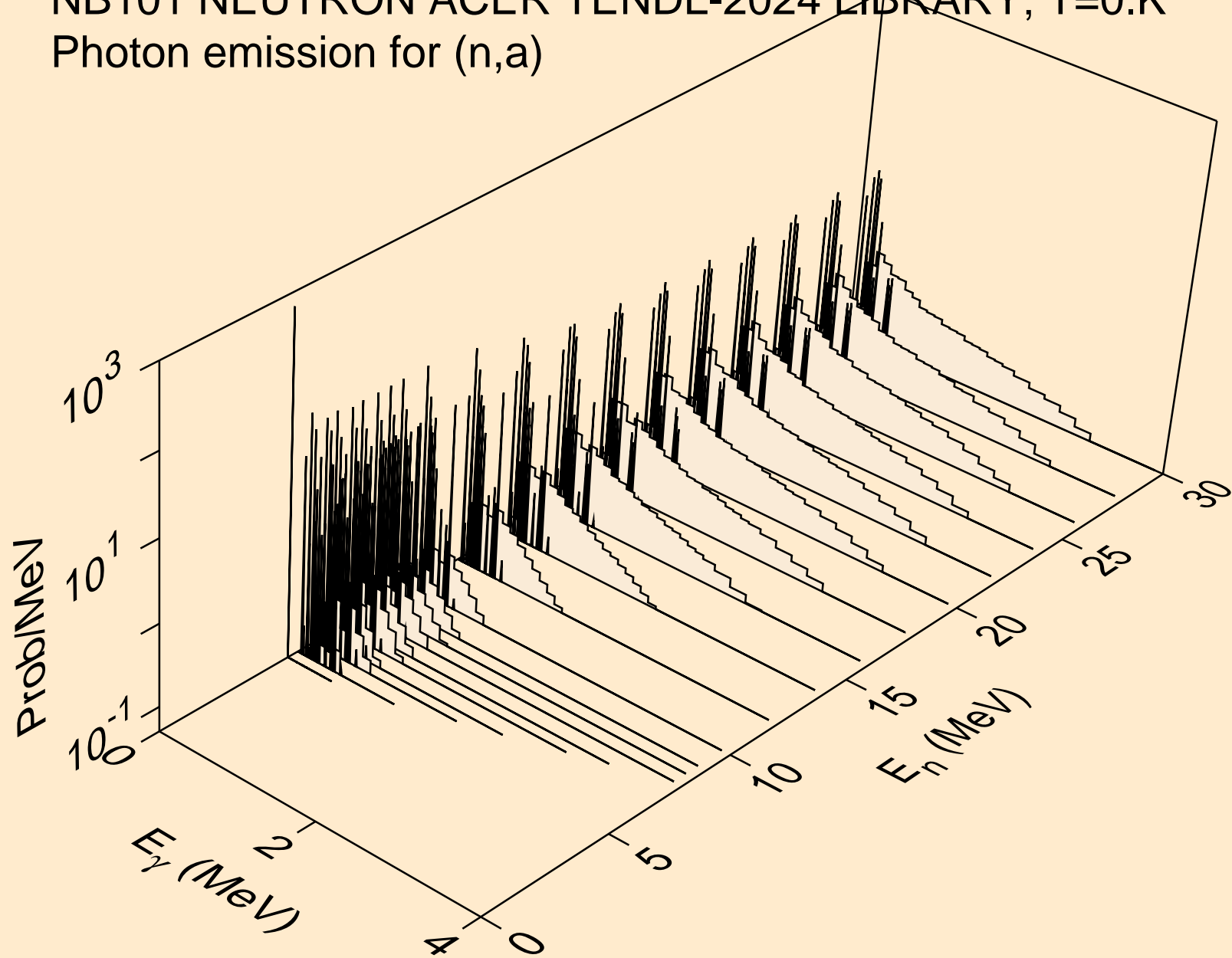
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Photon emission for (n,t)



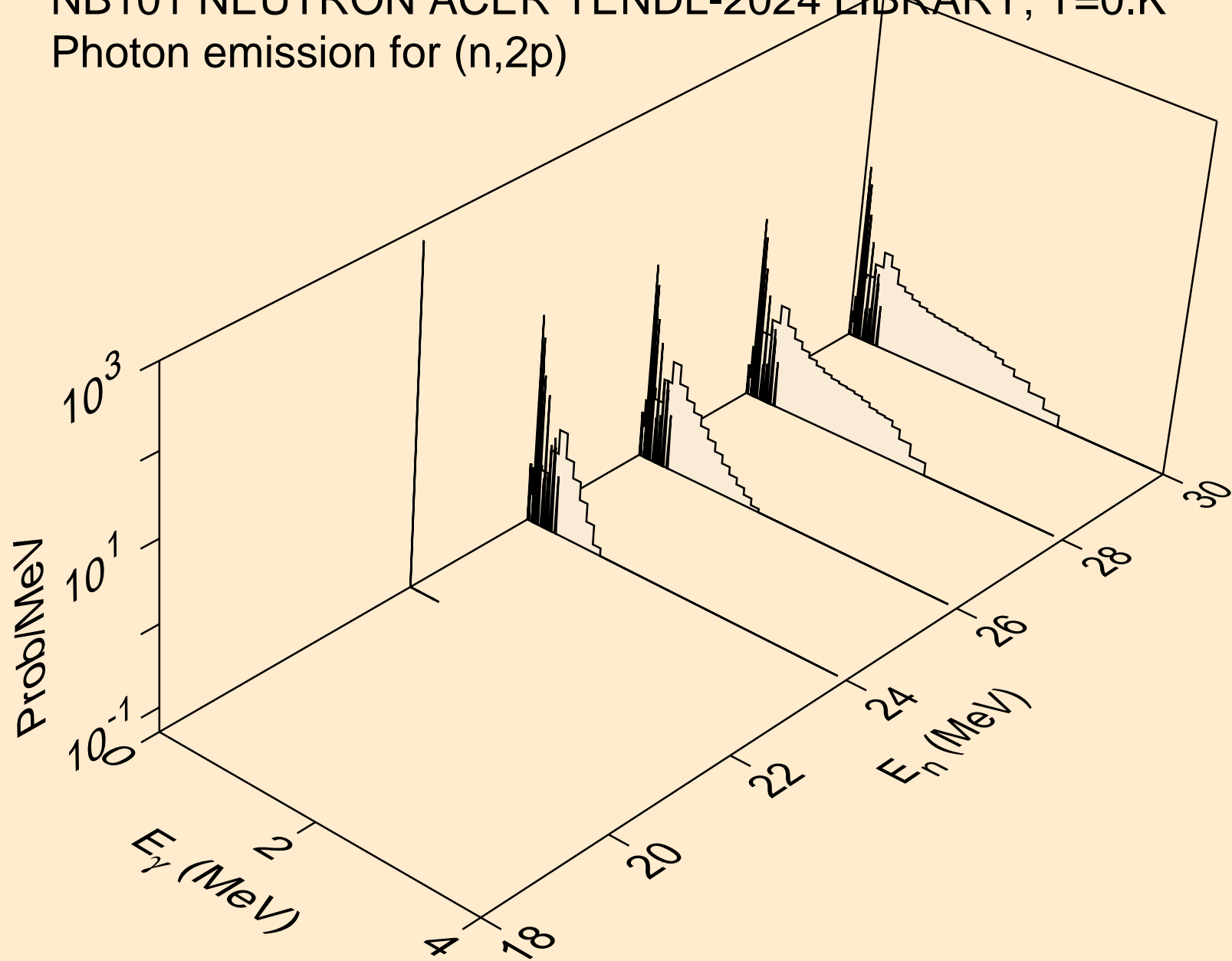
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Photon emission for (n,he3)



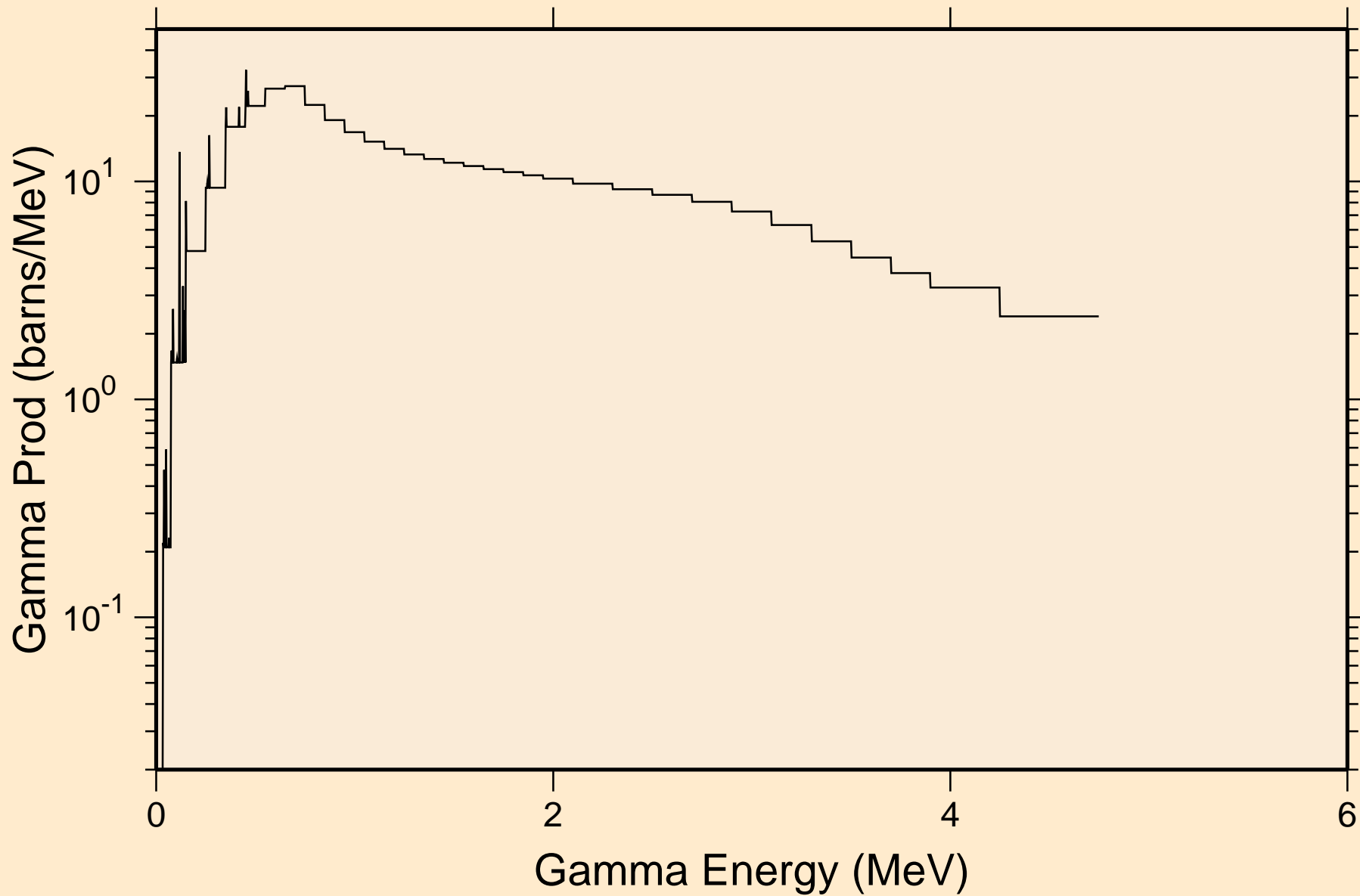
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)

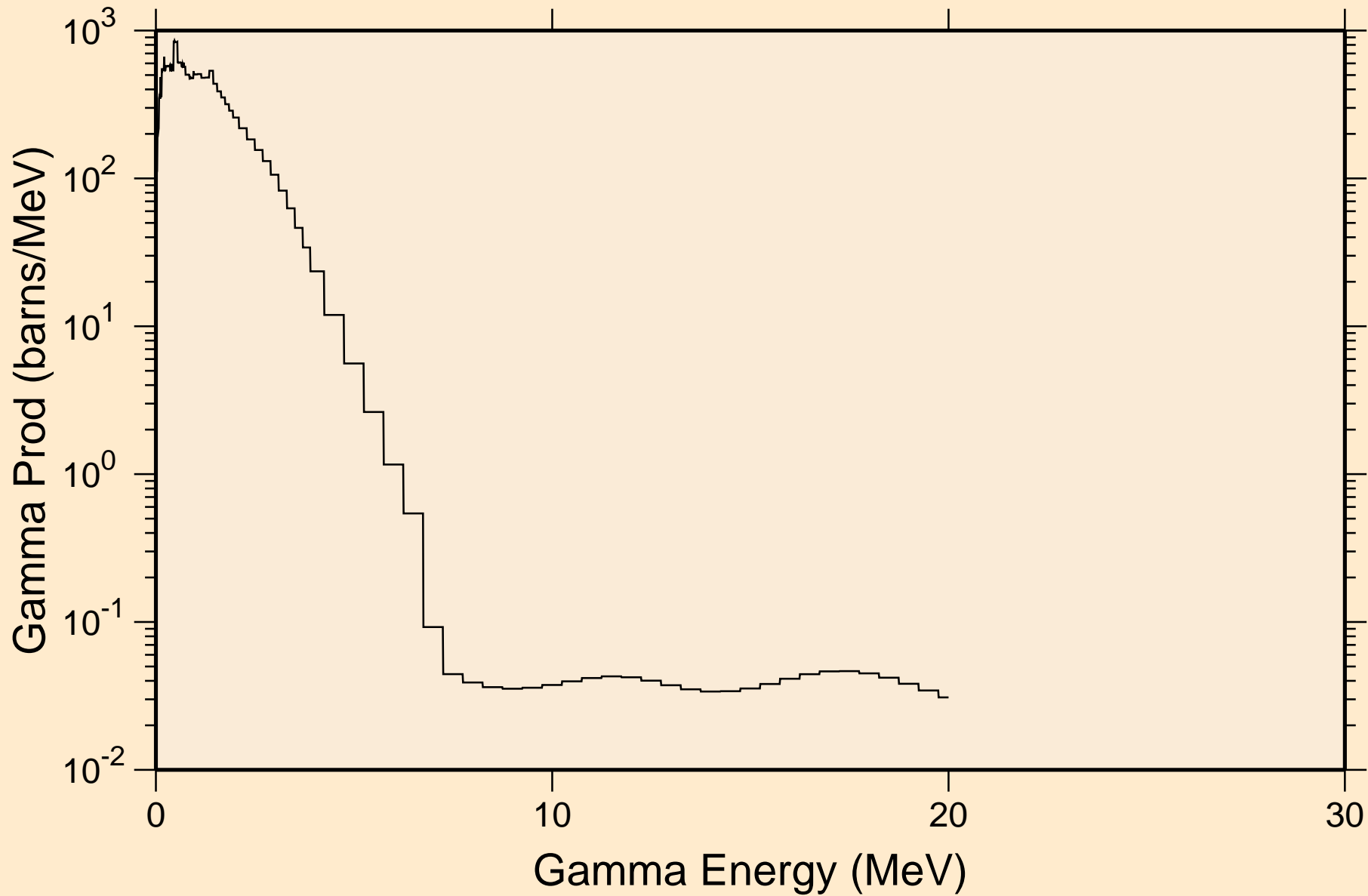


NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum



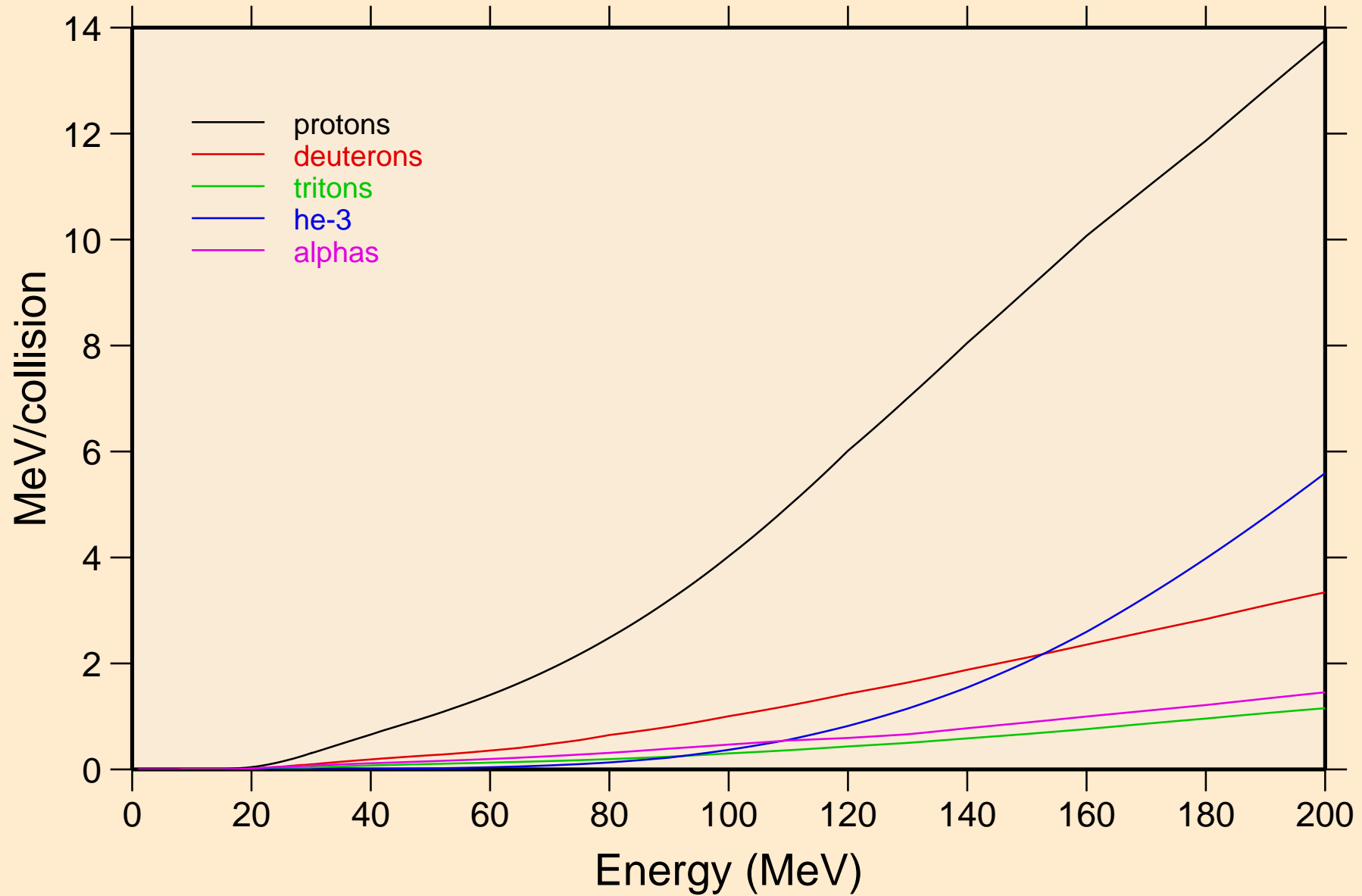


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14 MeV photon spectrum



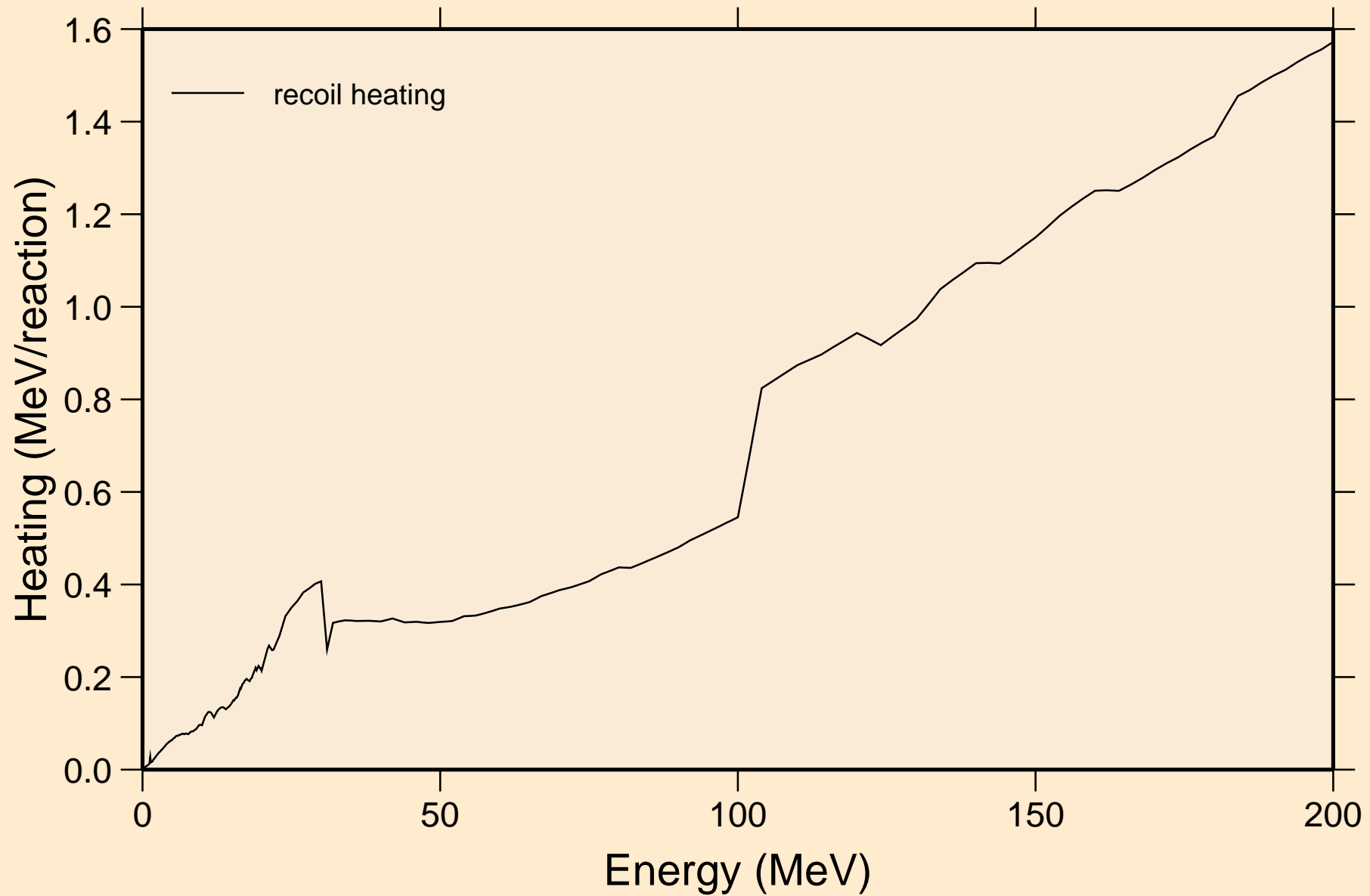
# NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions

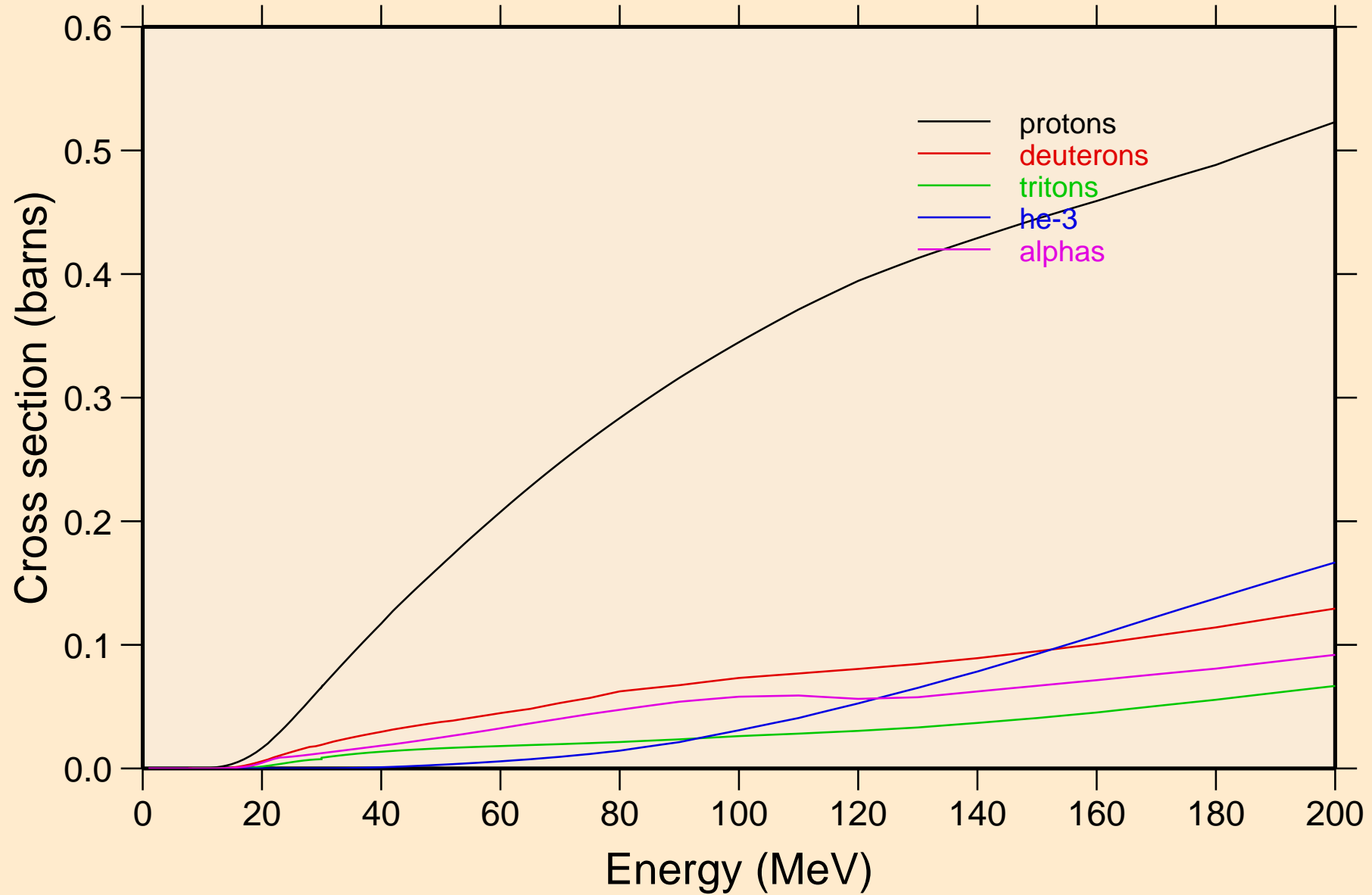


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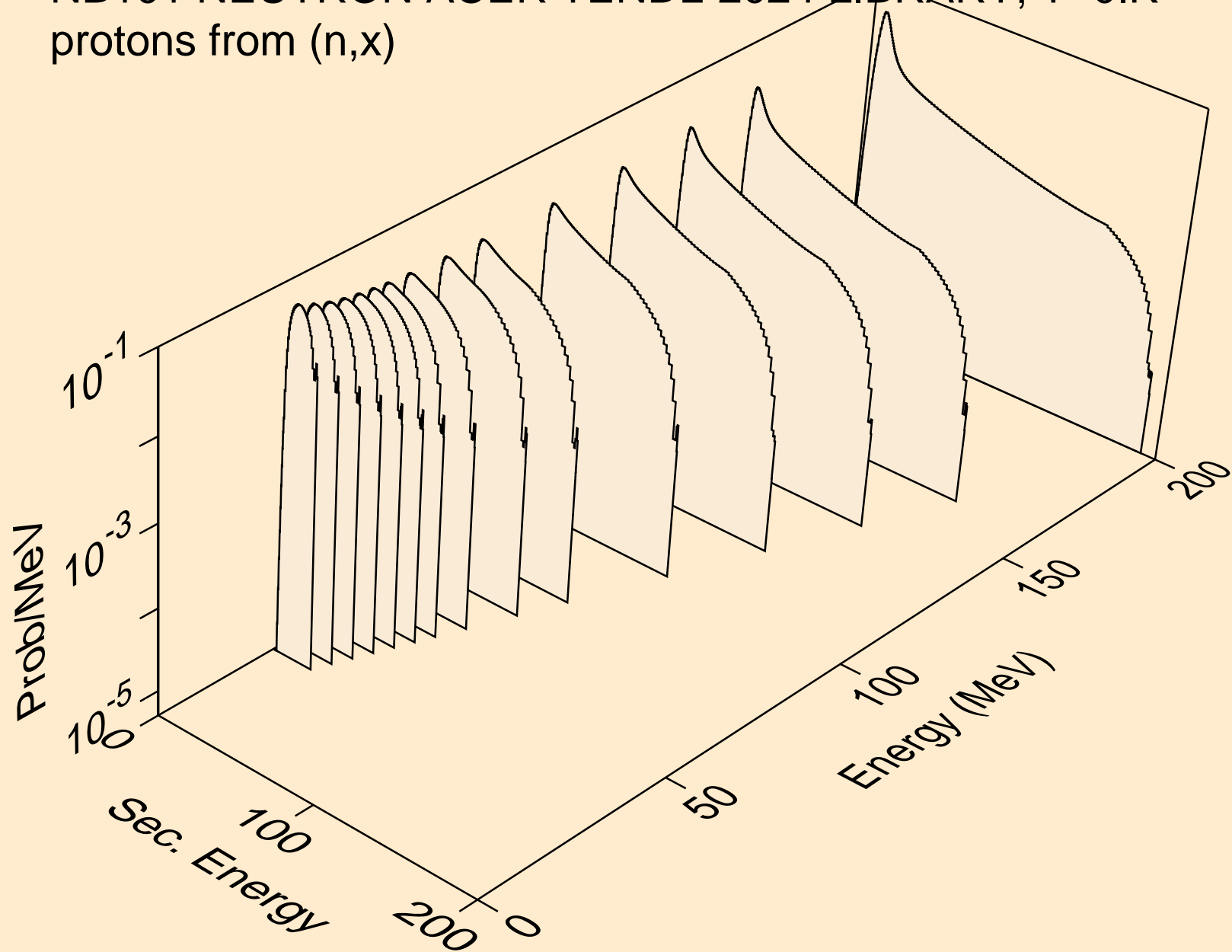
## Recoil Heating



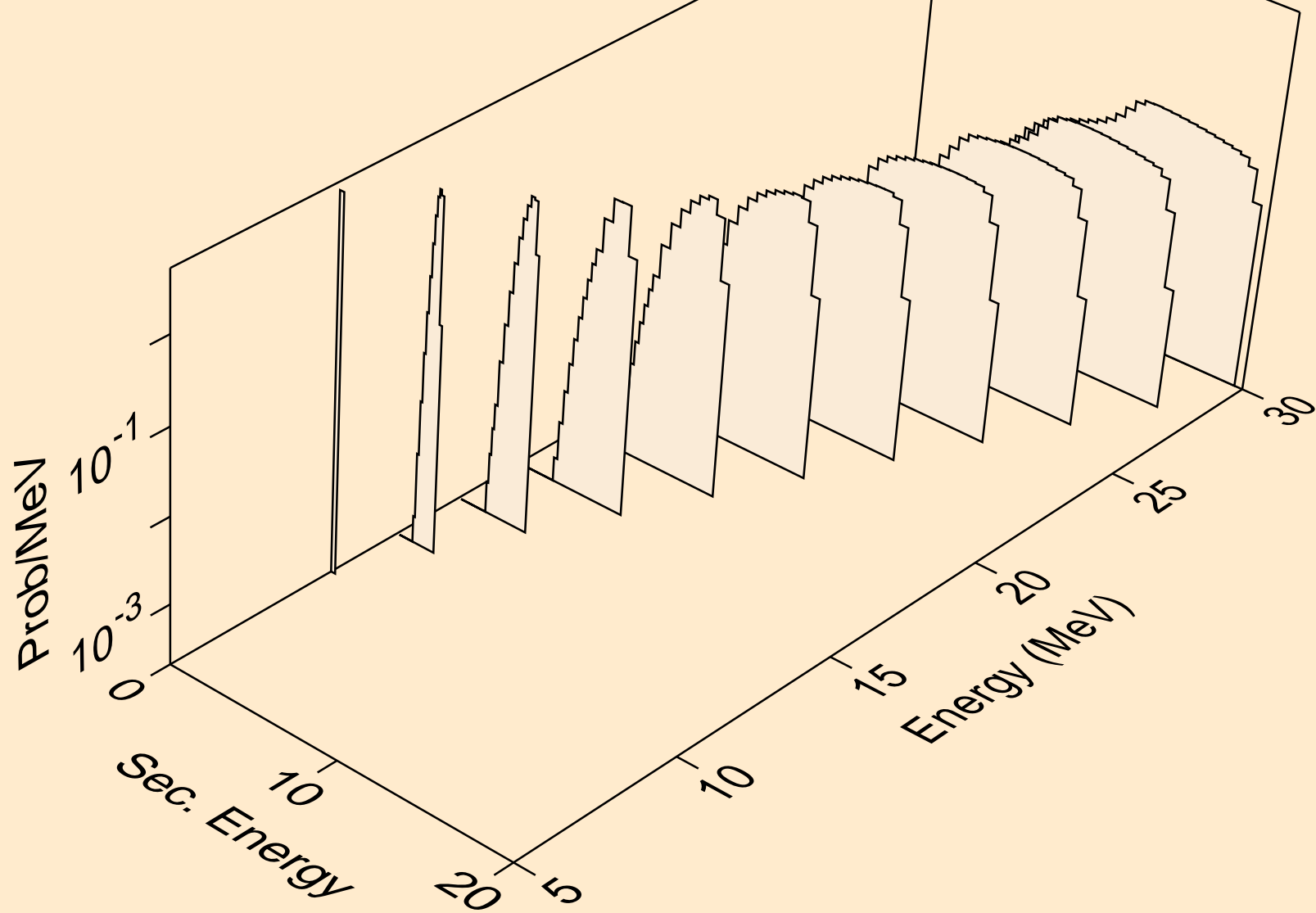
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Particle production cross sections



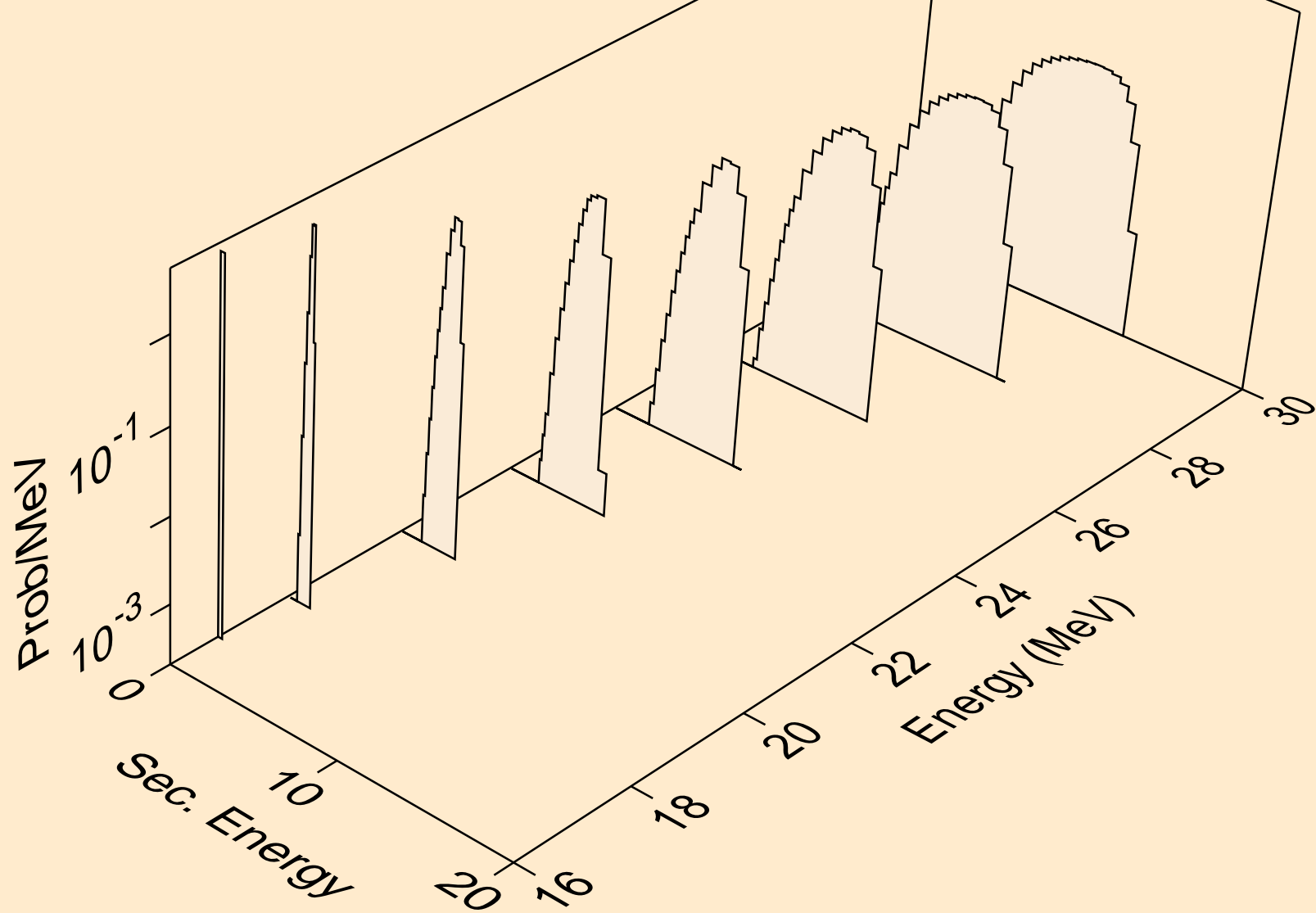
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



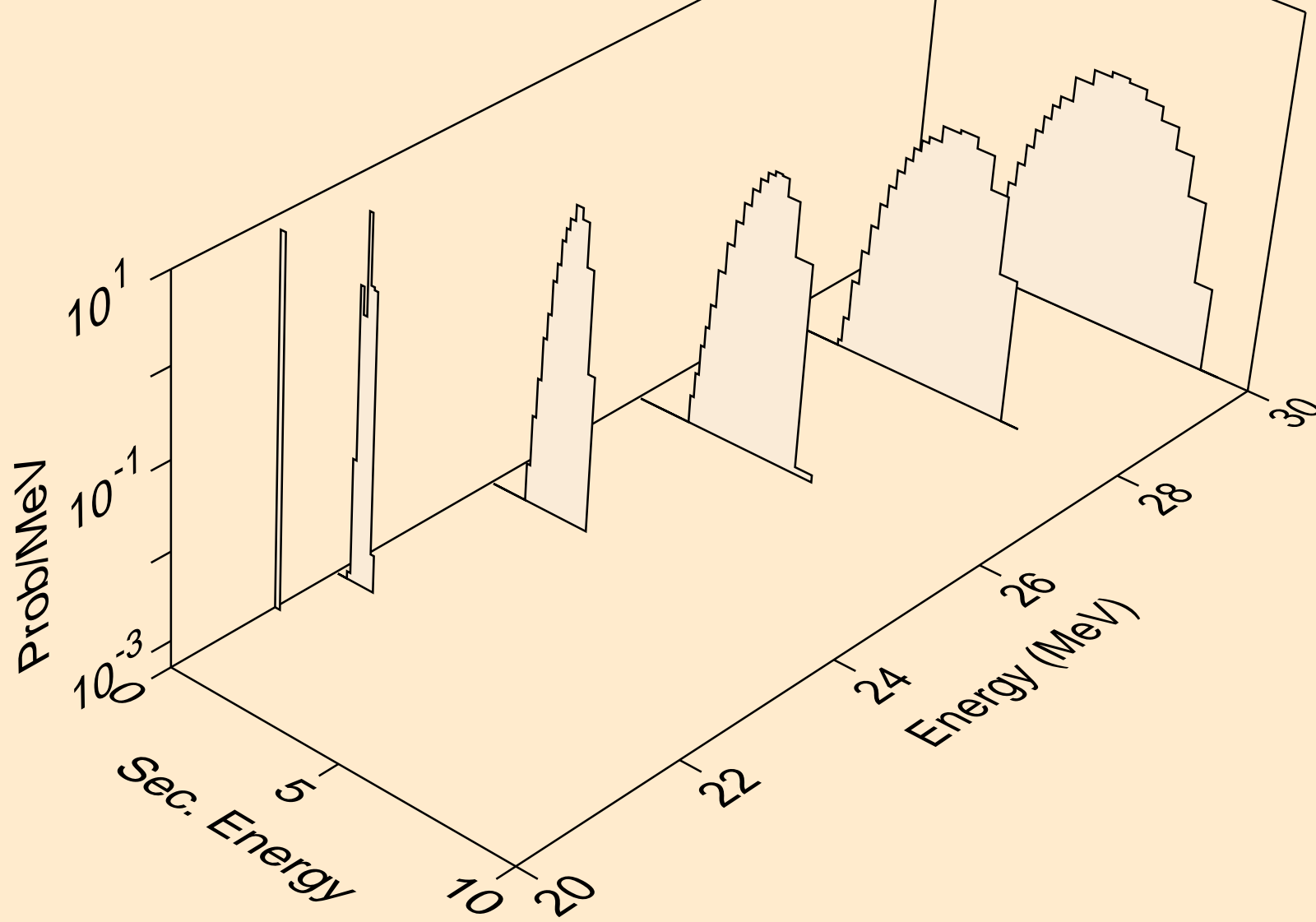
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)

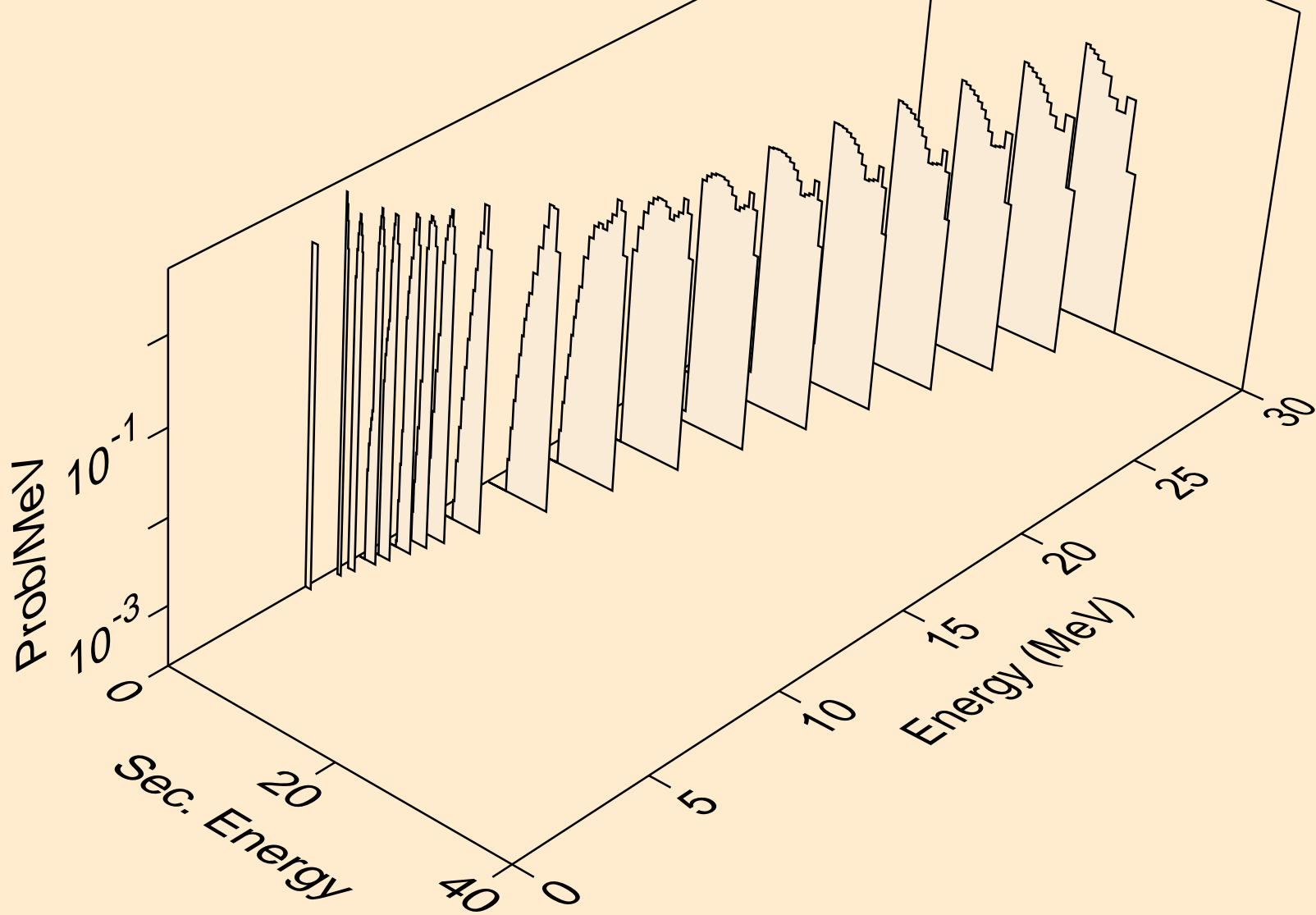


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protons from (n,3np)

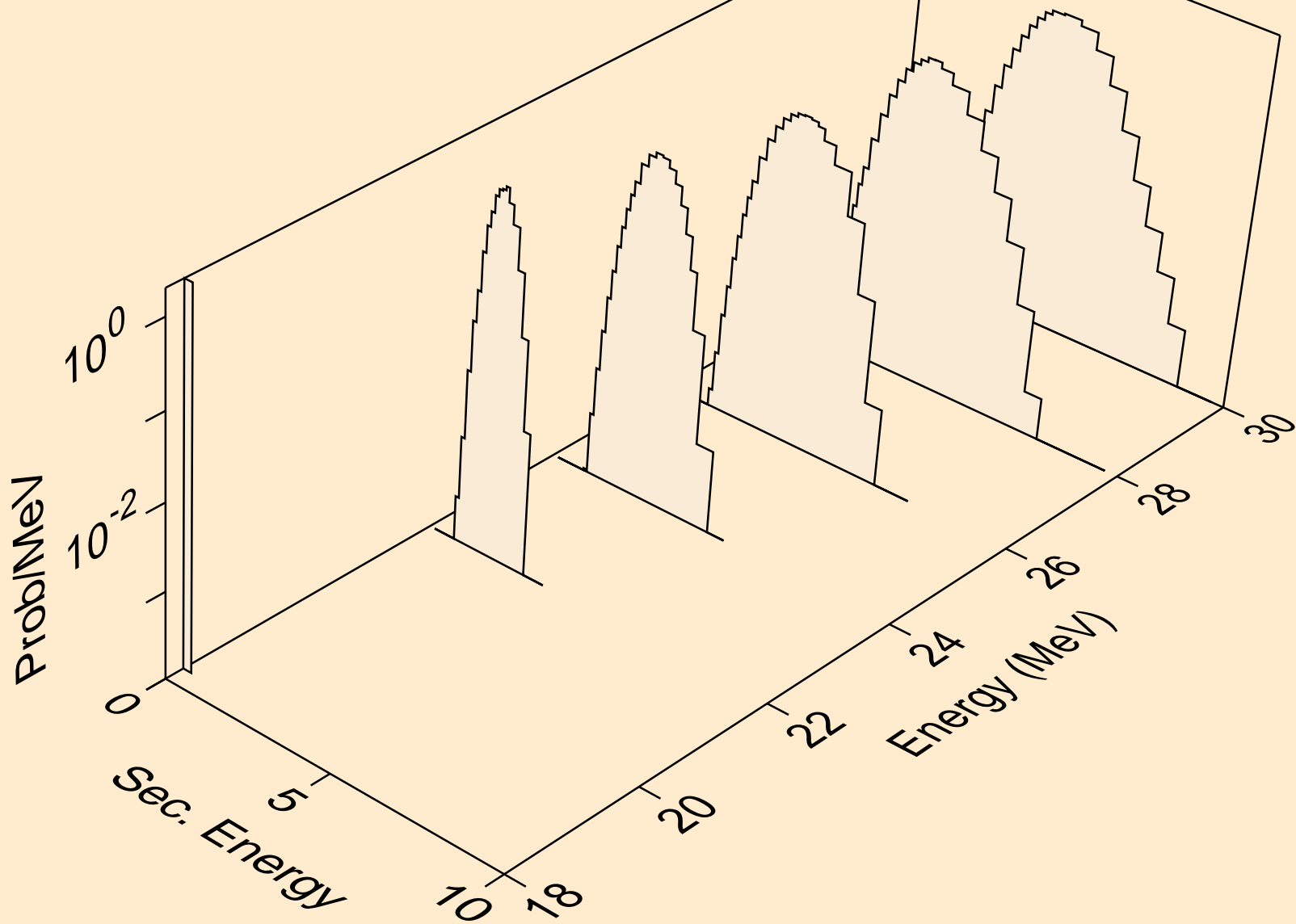




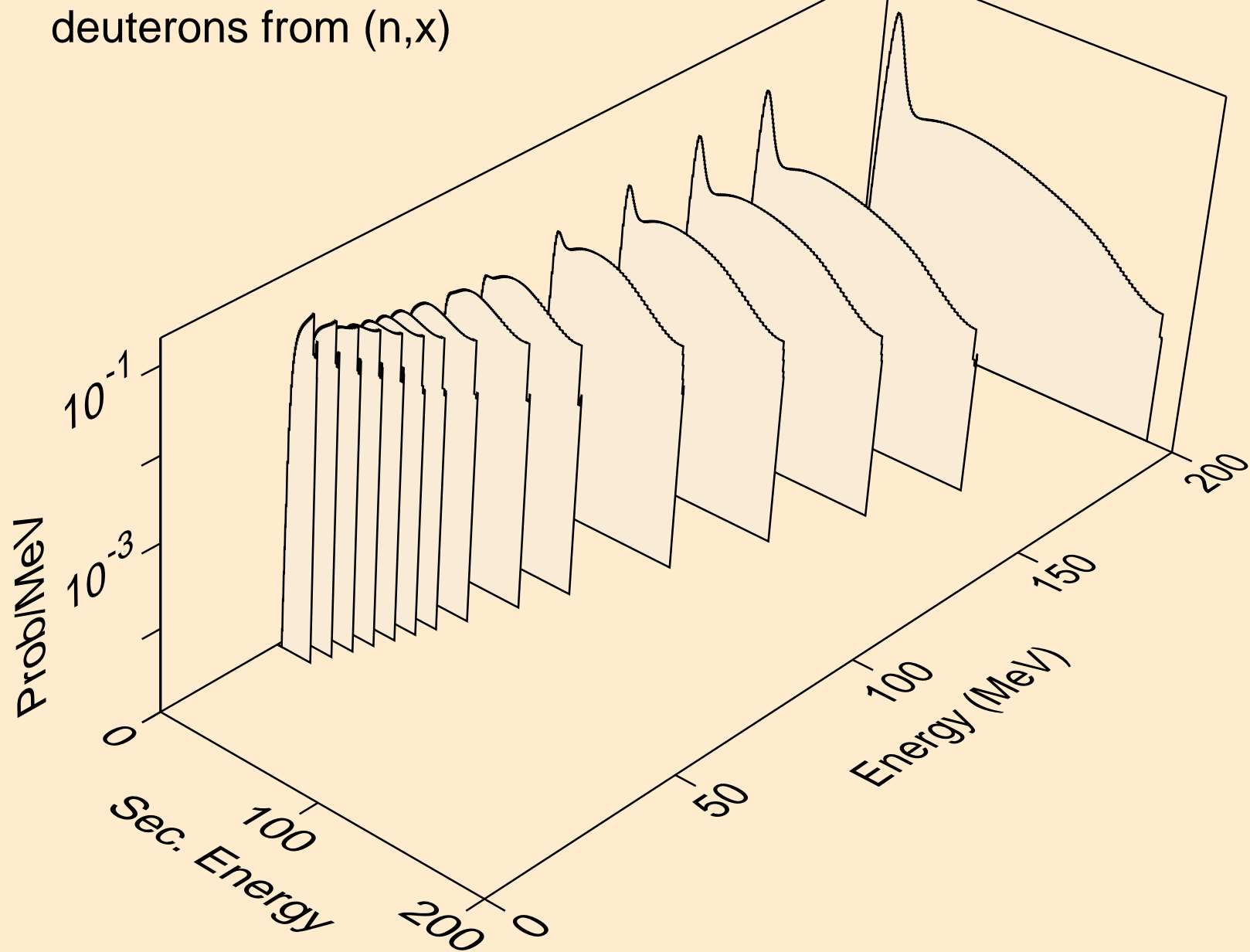
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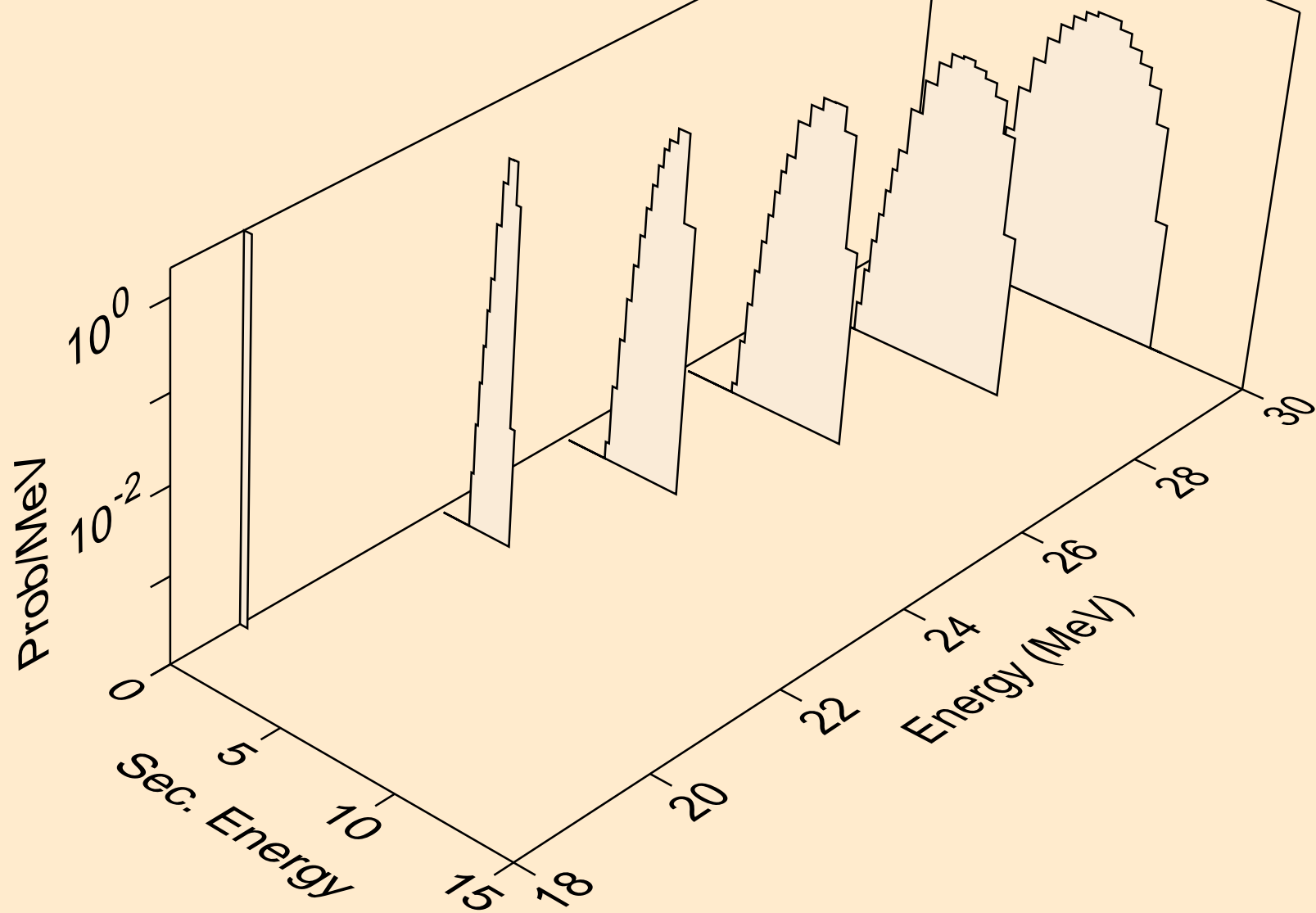
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protons from (n,2p)



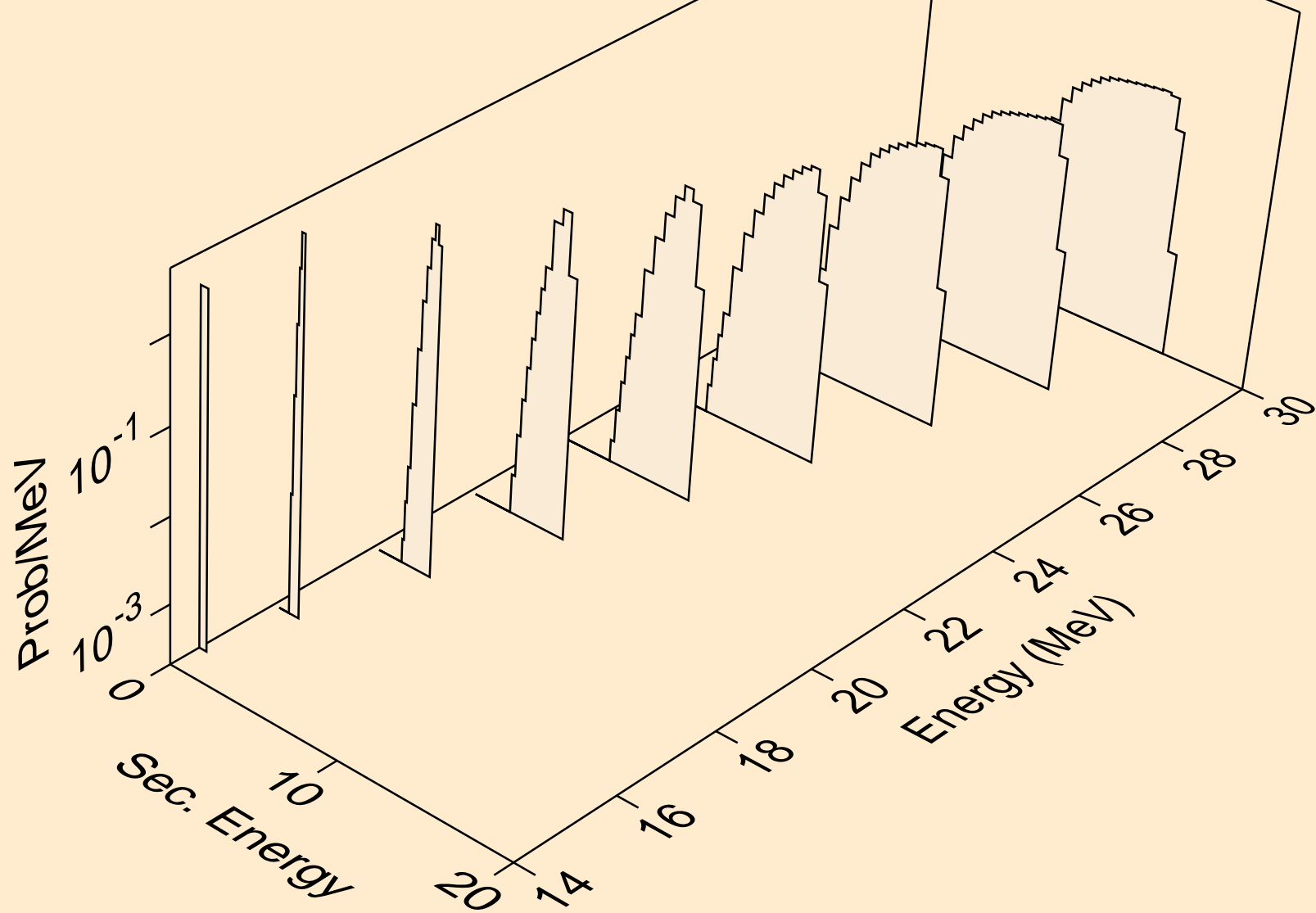
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deuterons from (n,x)



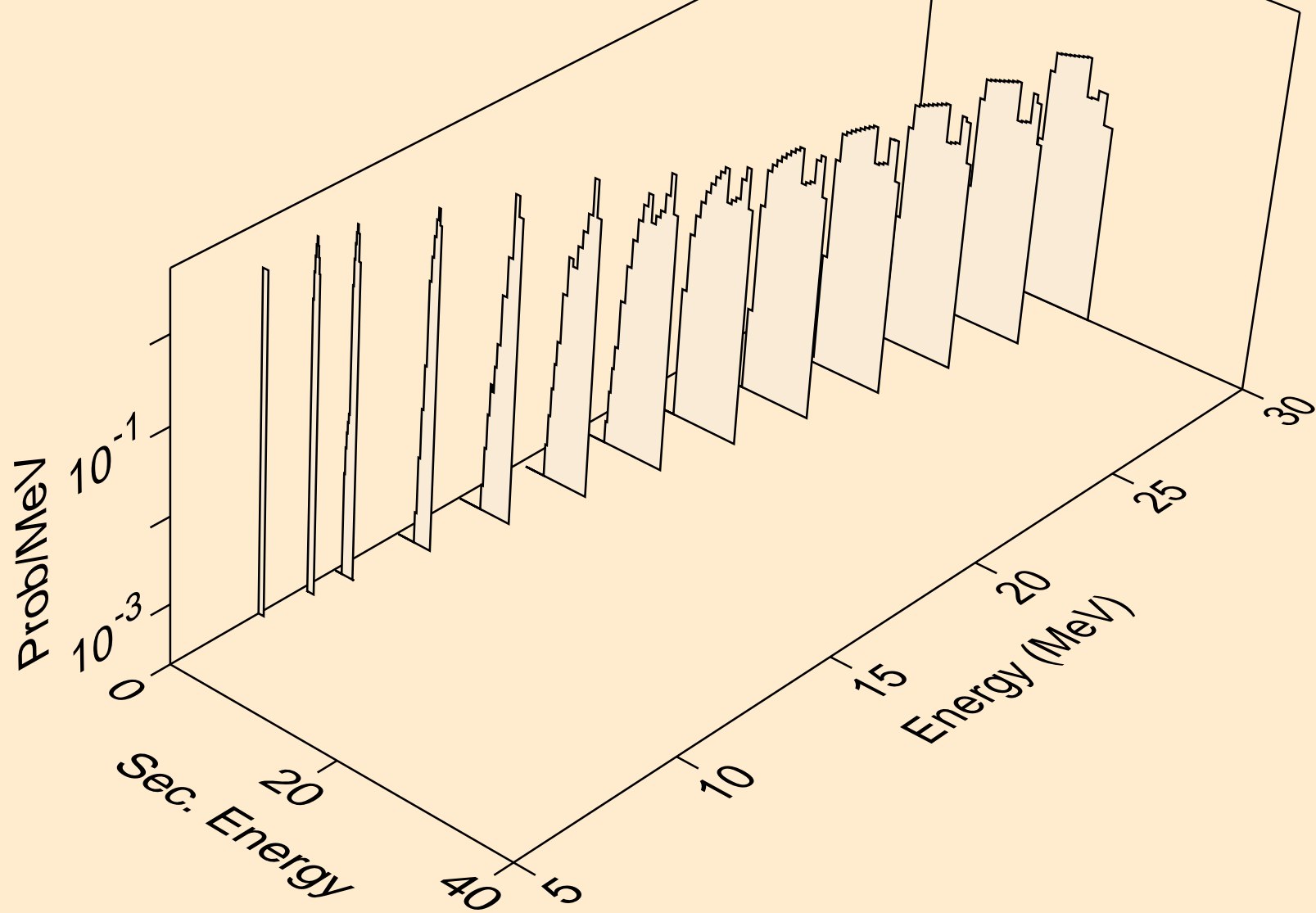
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deuterons from (n,2nd)



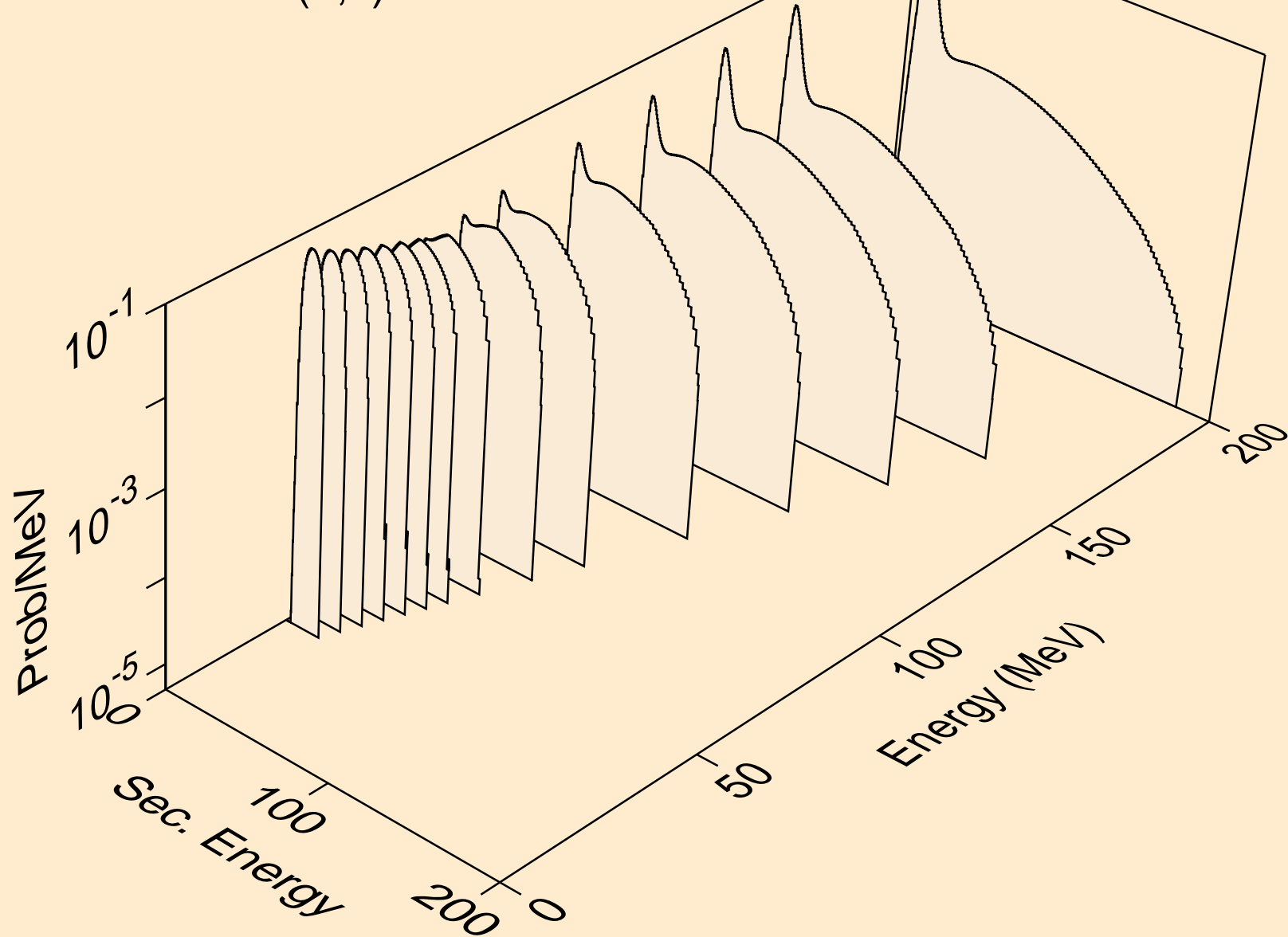
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deuterons from (n,n\*)d



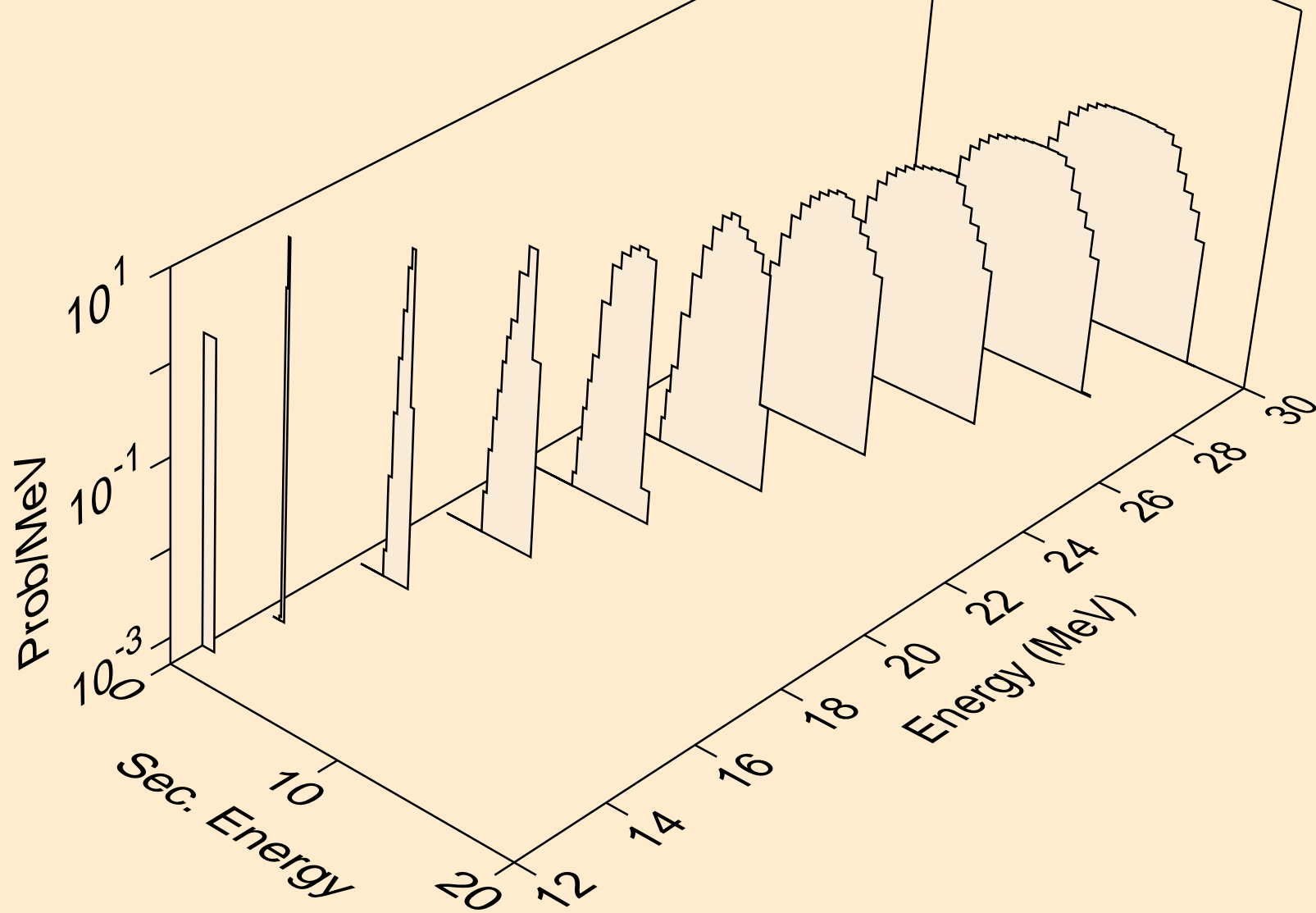
NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,d)



NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)

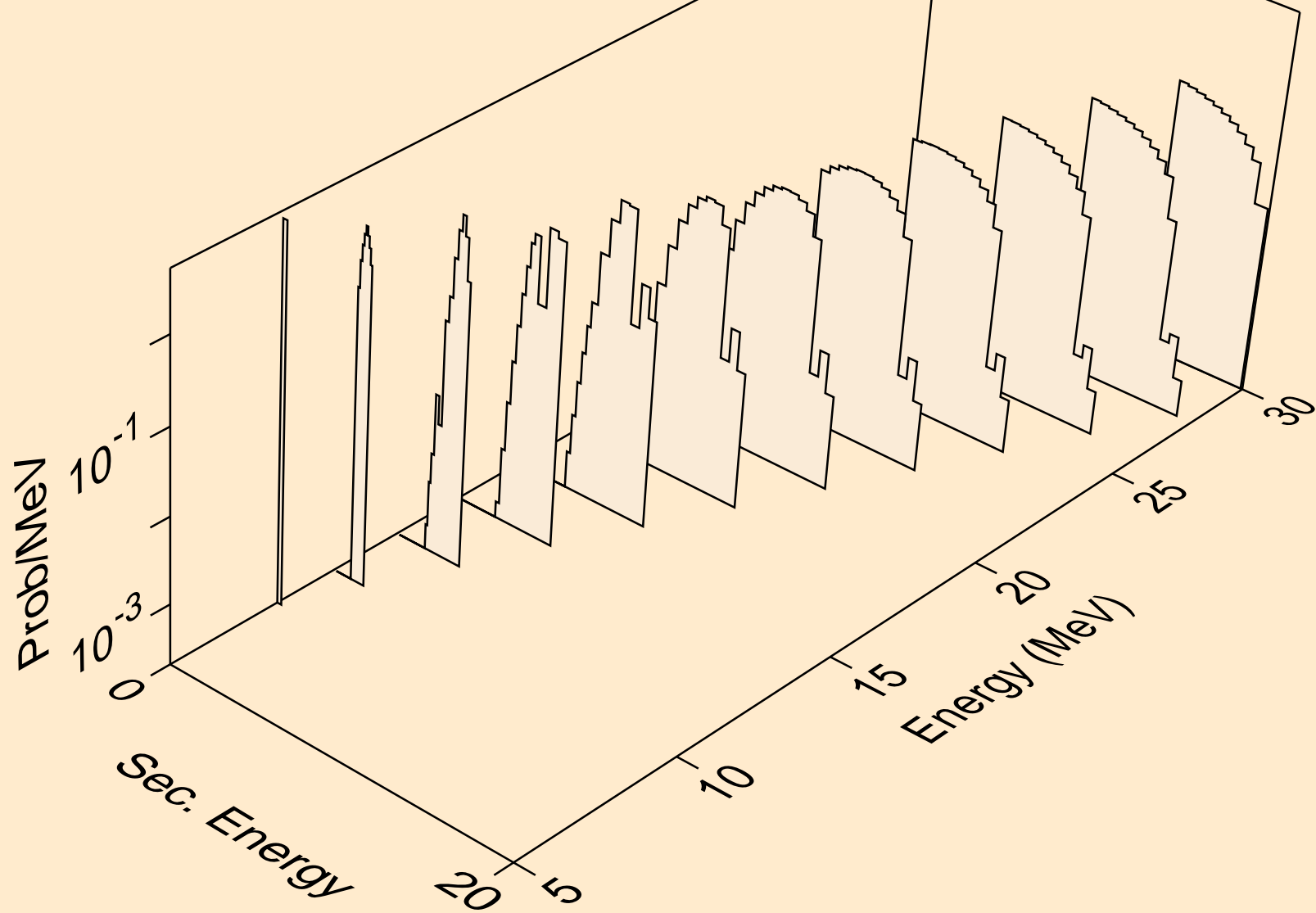


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tritons from (n,n\*)t

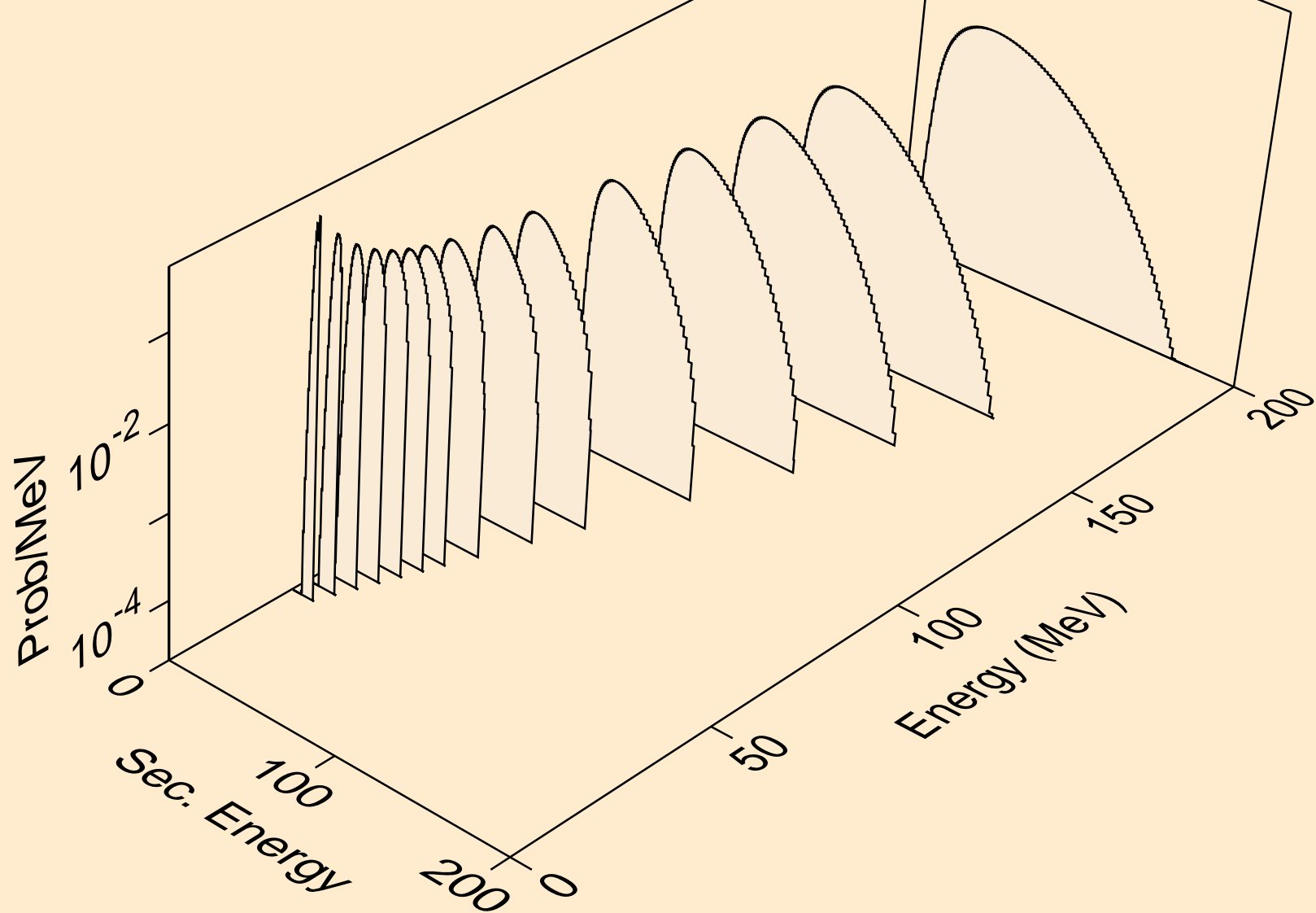




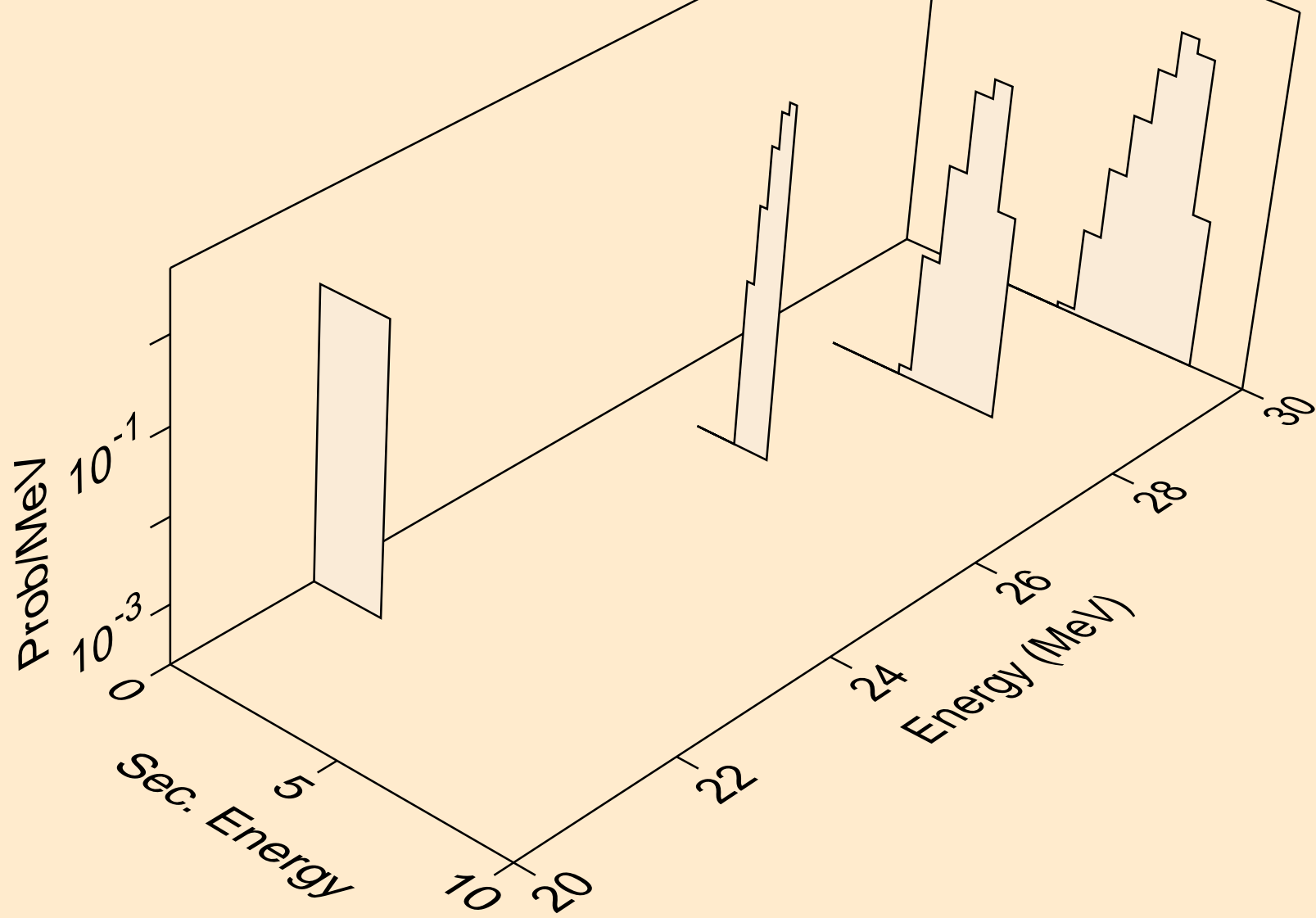
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tritons from (n,t)



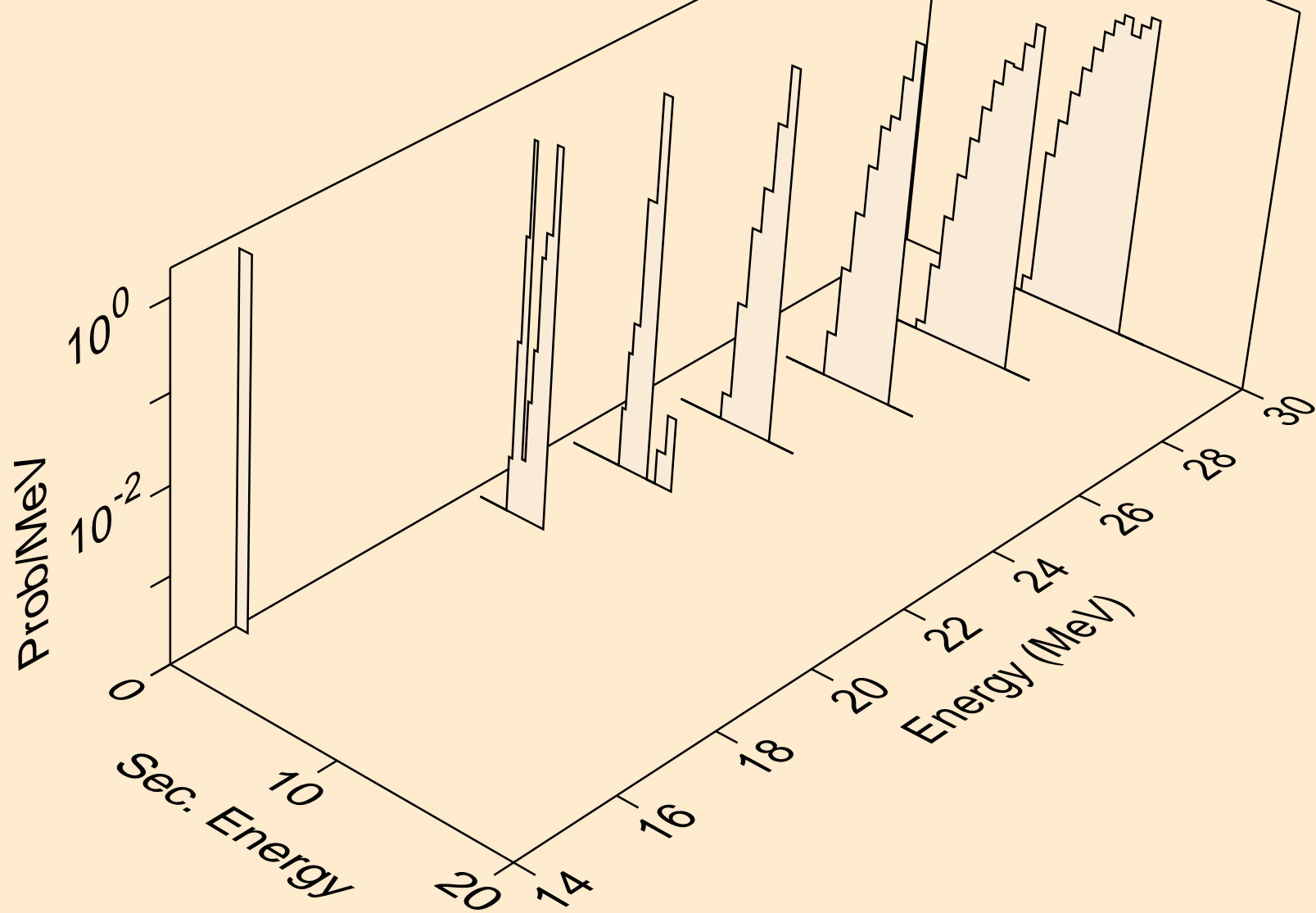
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he3s from (n,x)



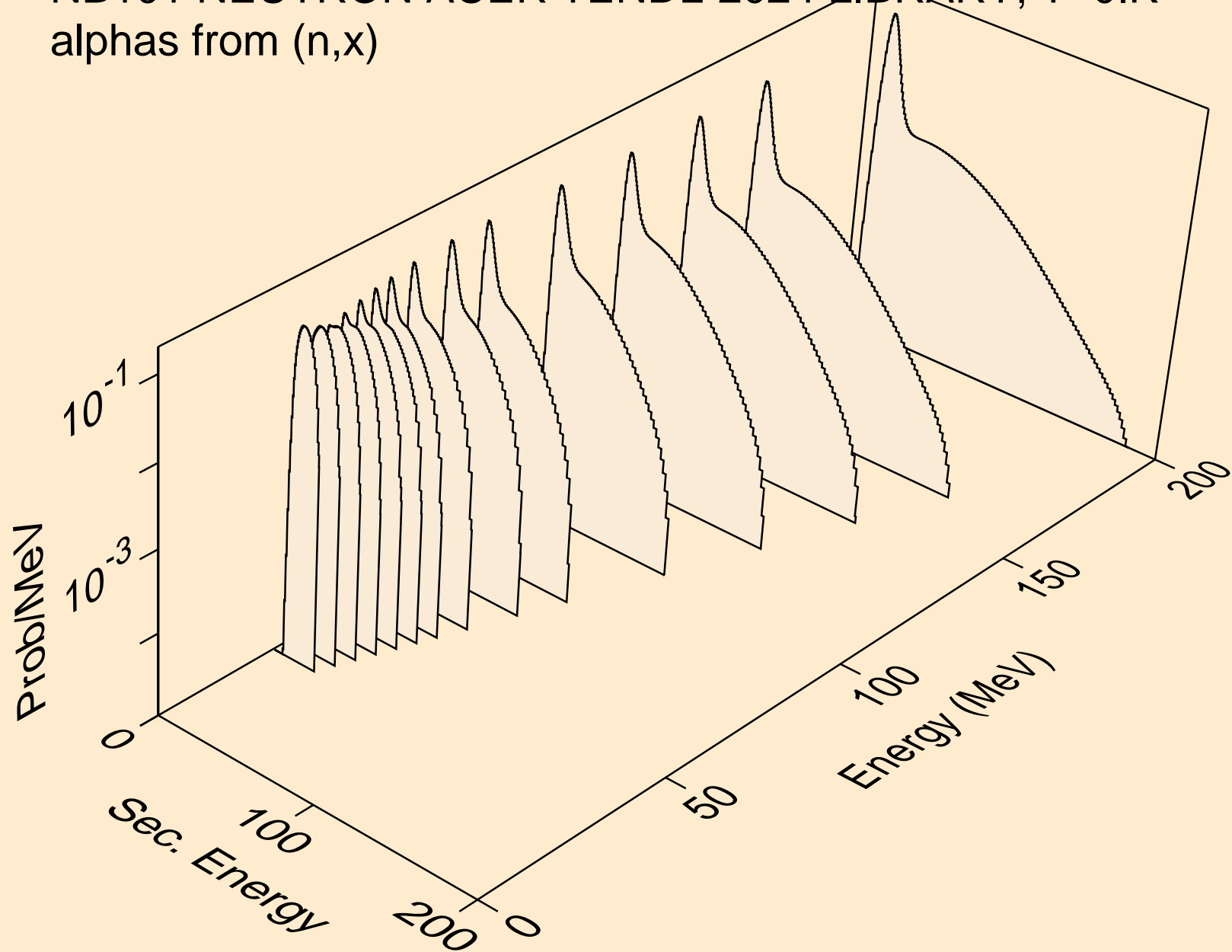
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he3s from (n,n\*)he3



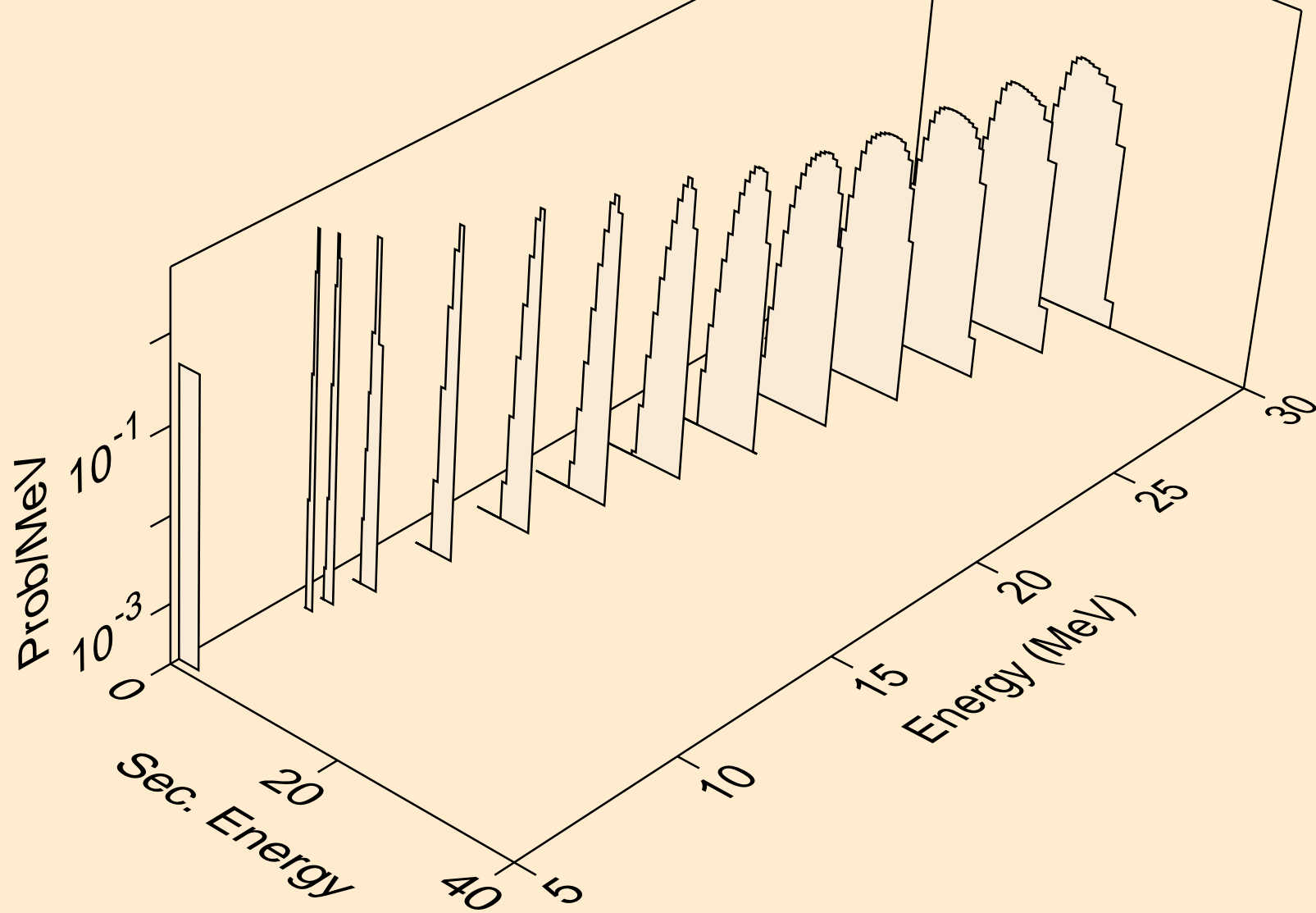
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he3s from (n,he3)



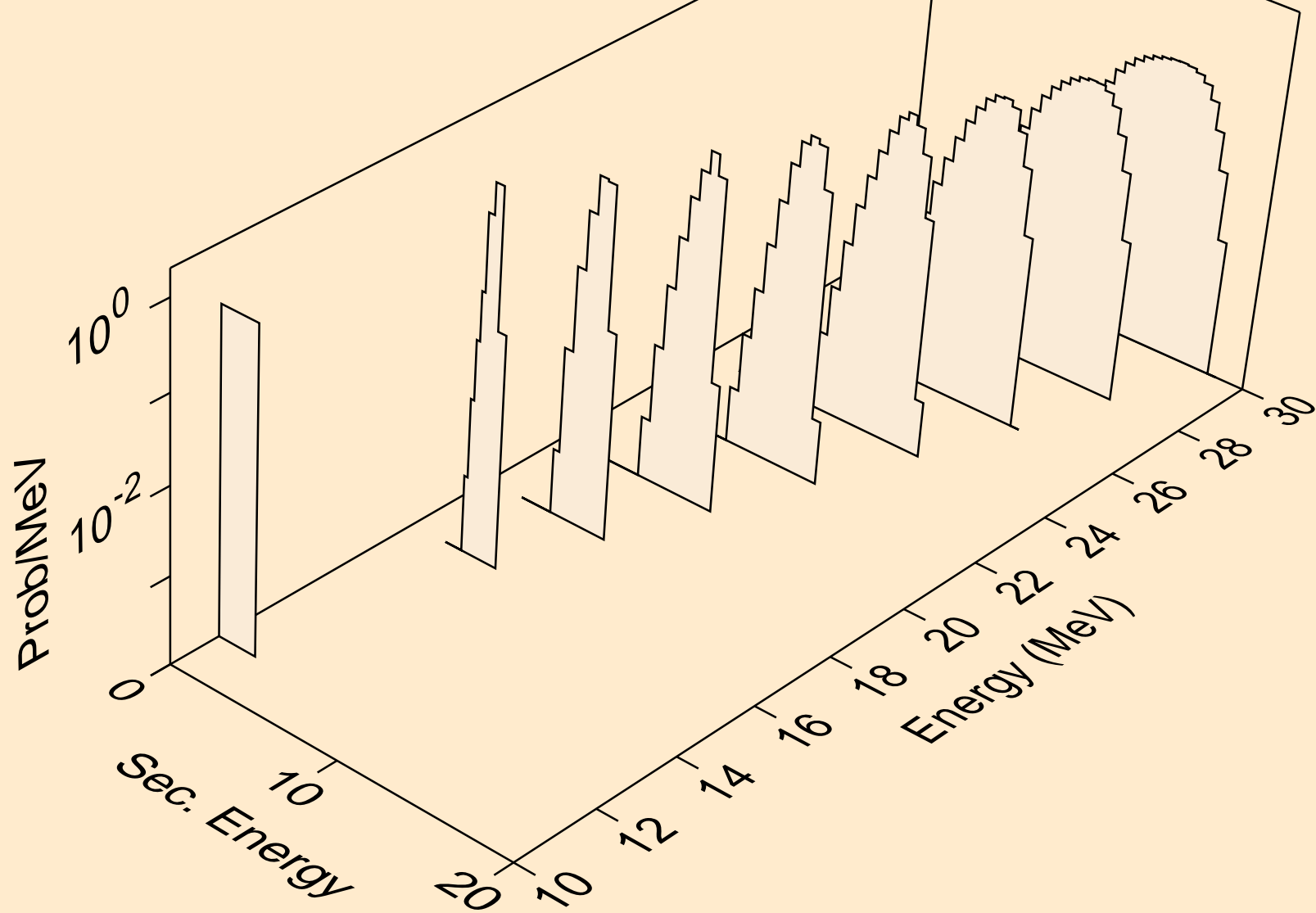
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alphas from (n,x)



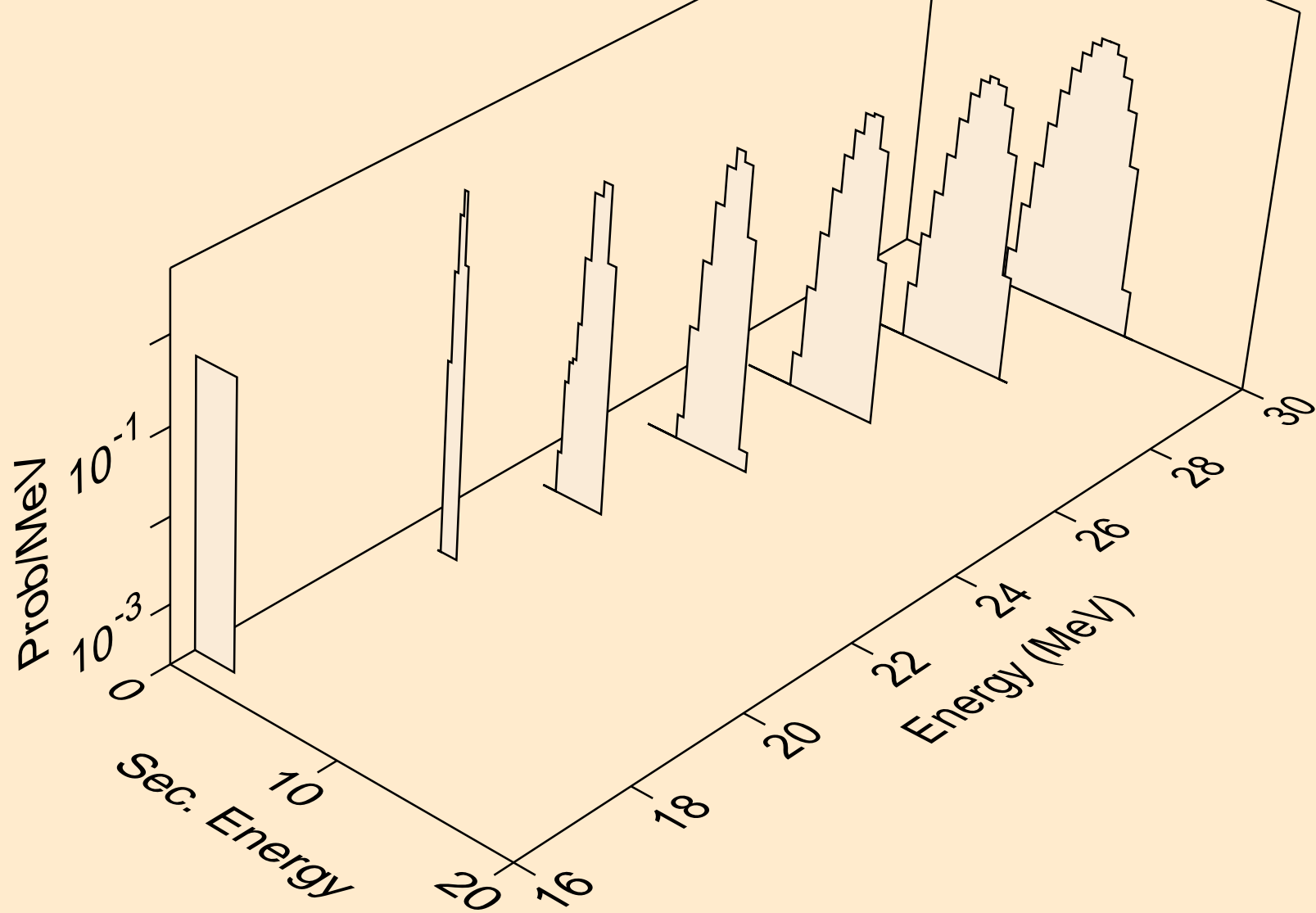
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alphas from (n,n\*)a



NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a





NB101 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)

