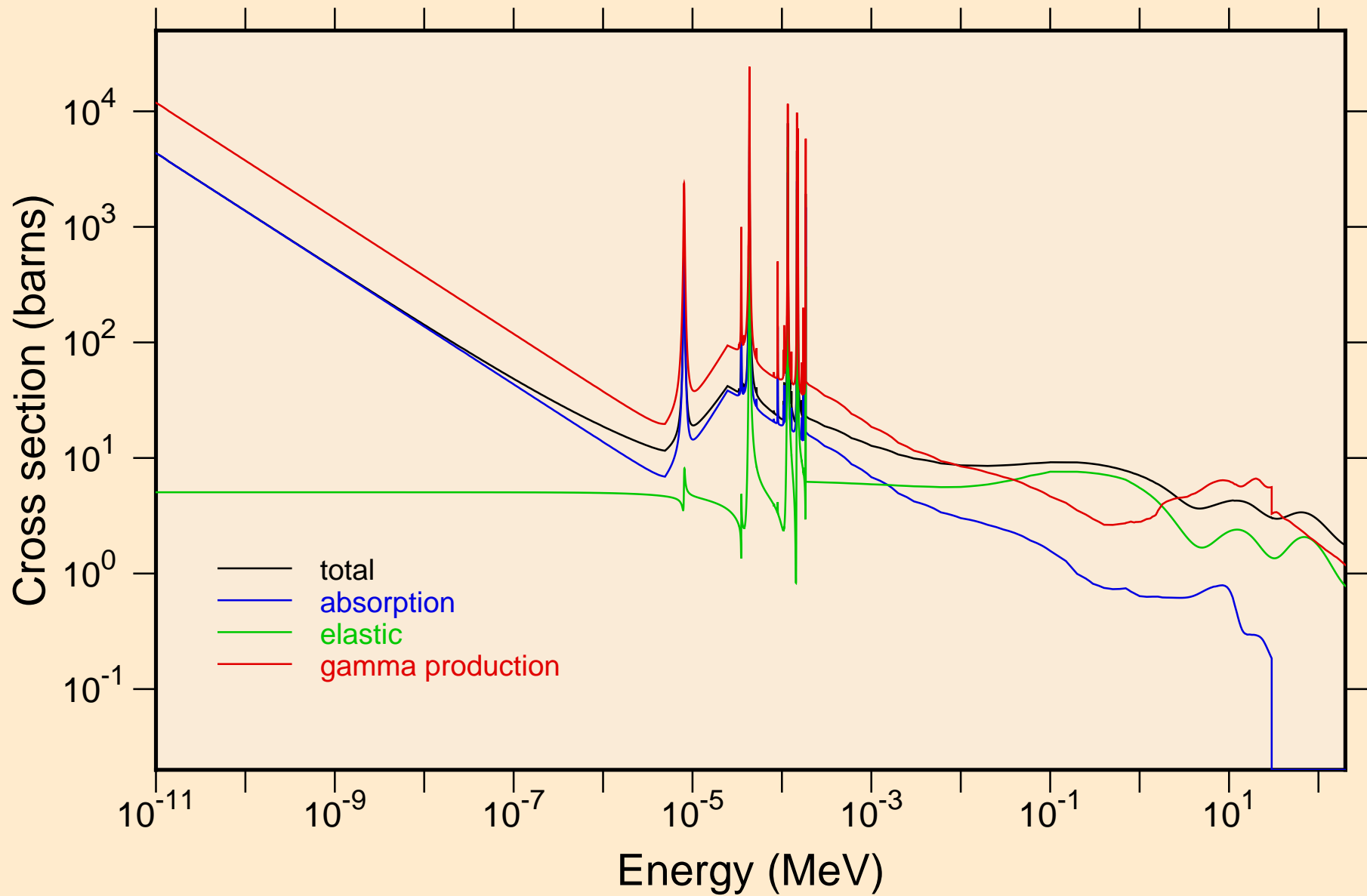
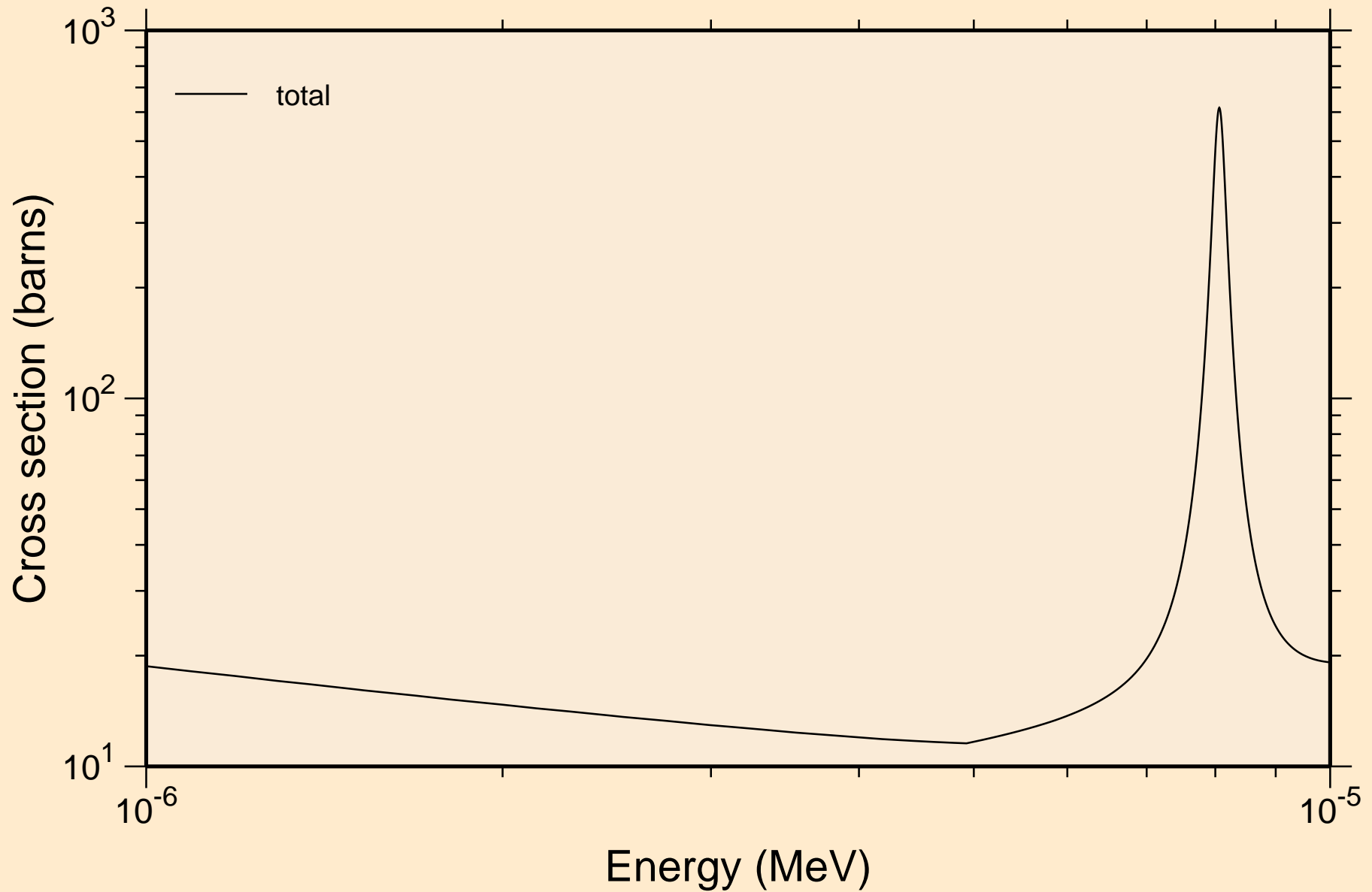


# AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

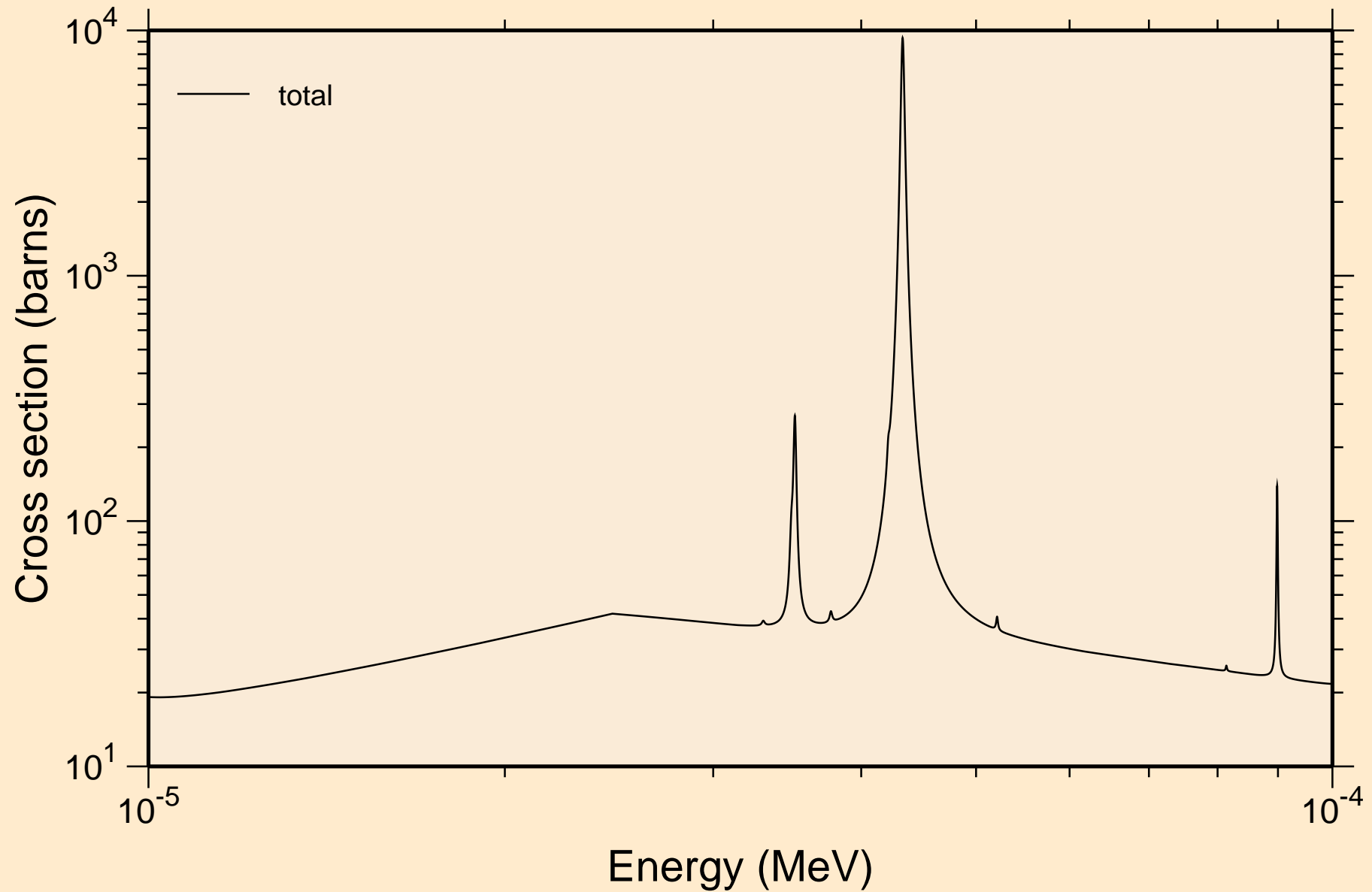
## Principal cross sections



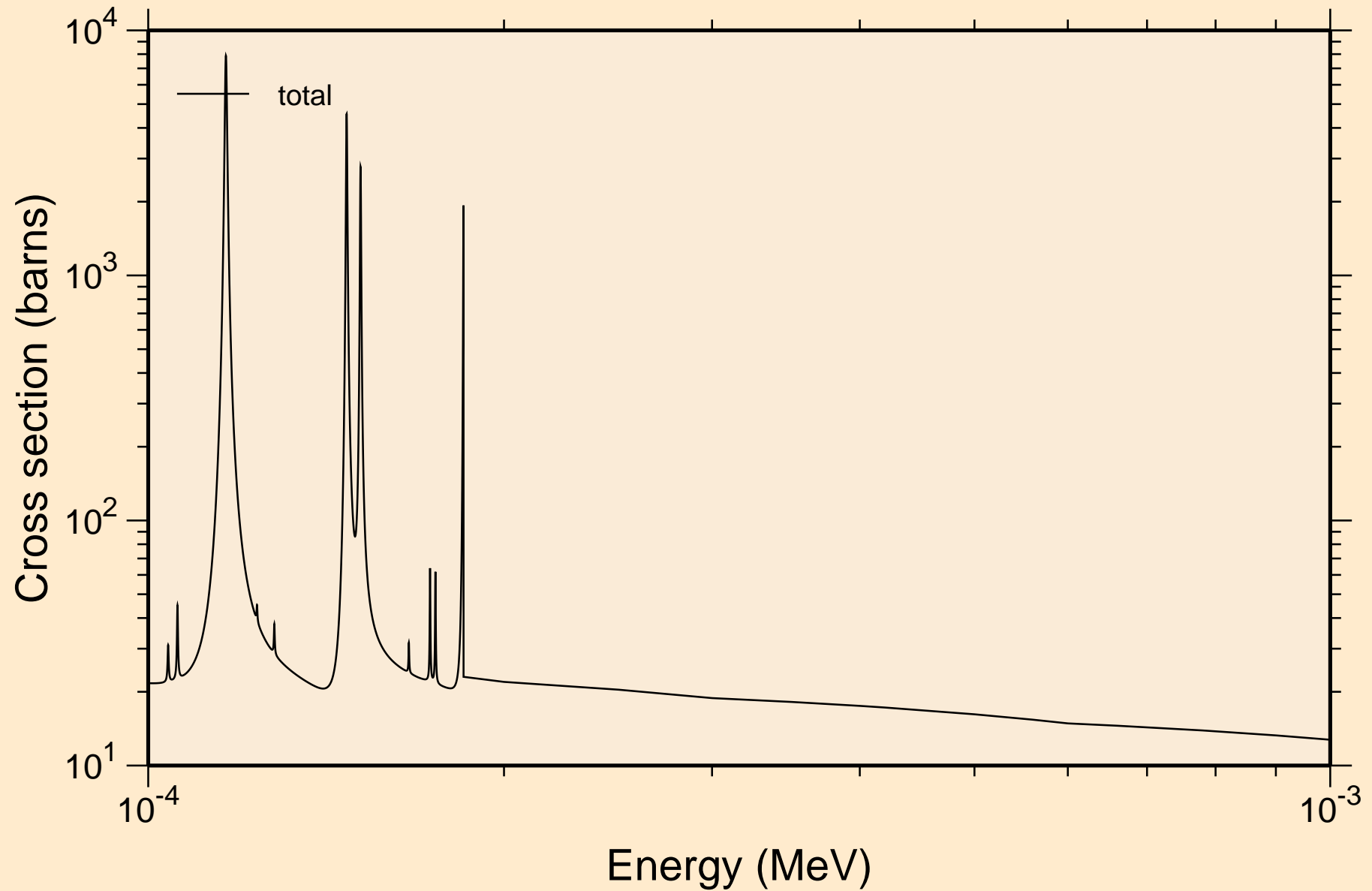
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



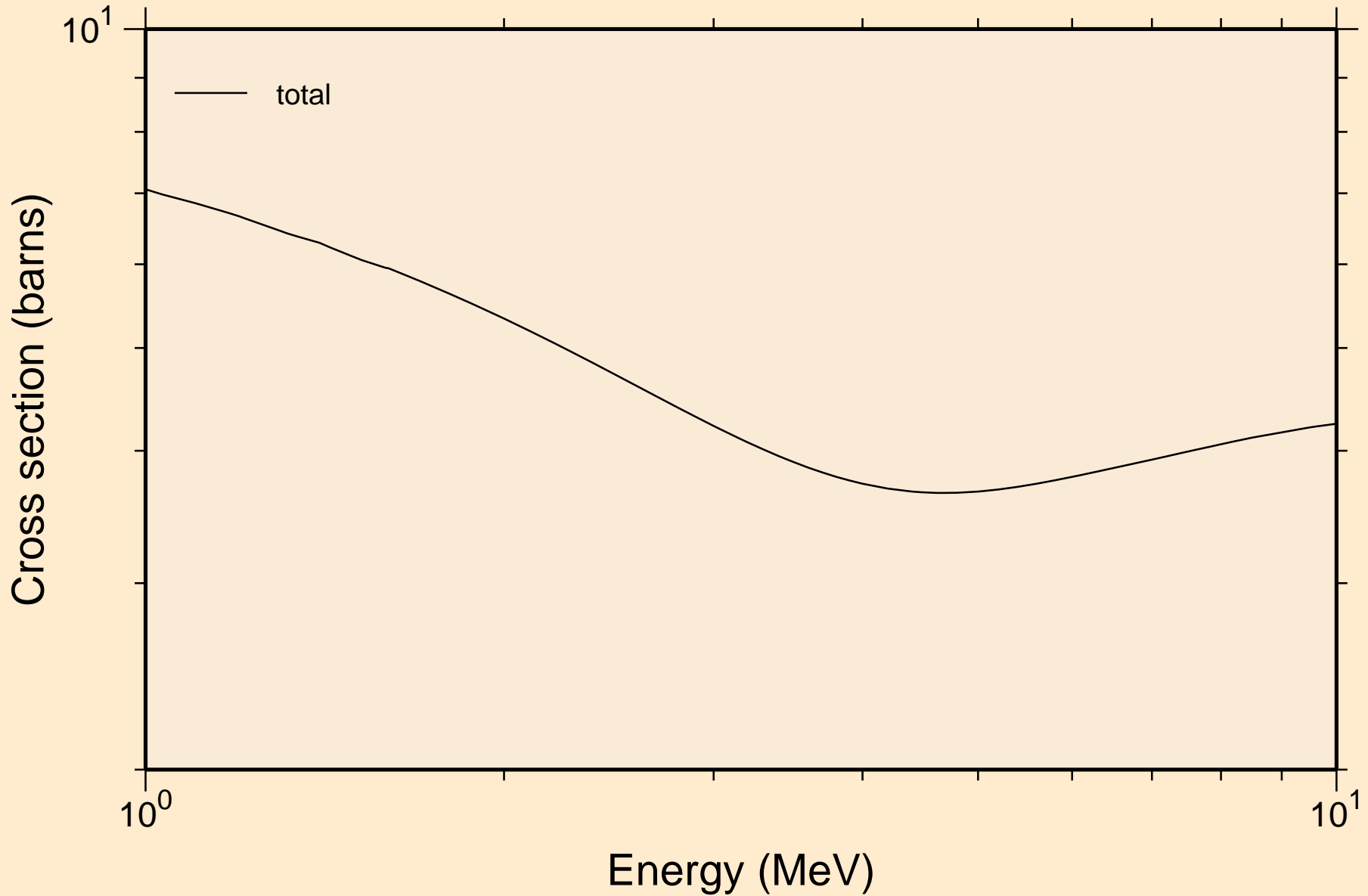
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



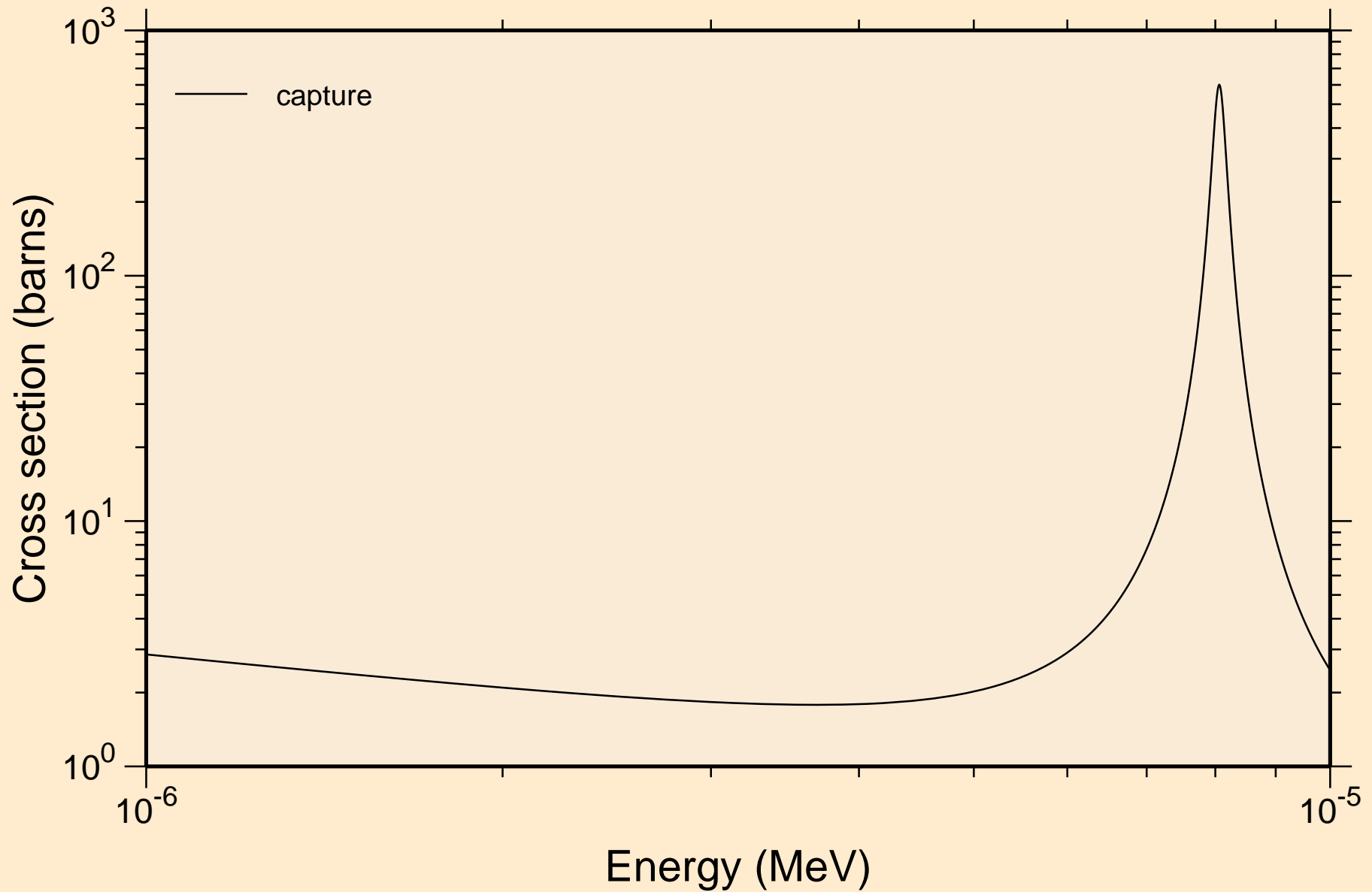
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



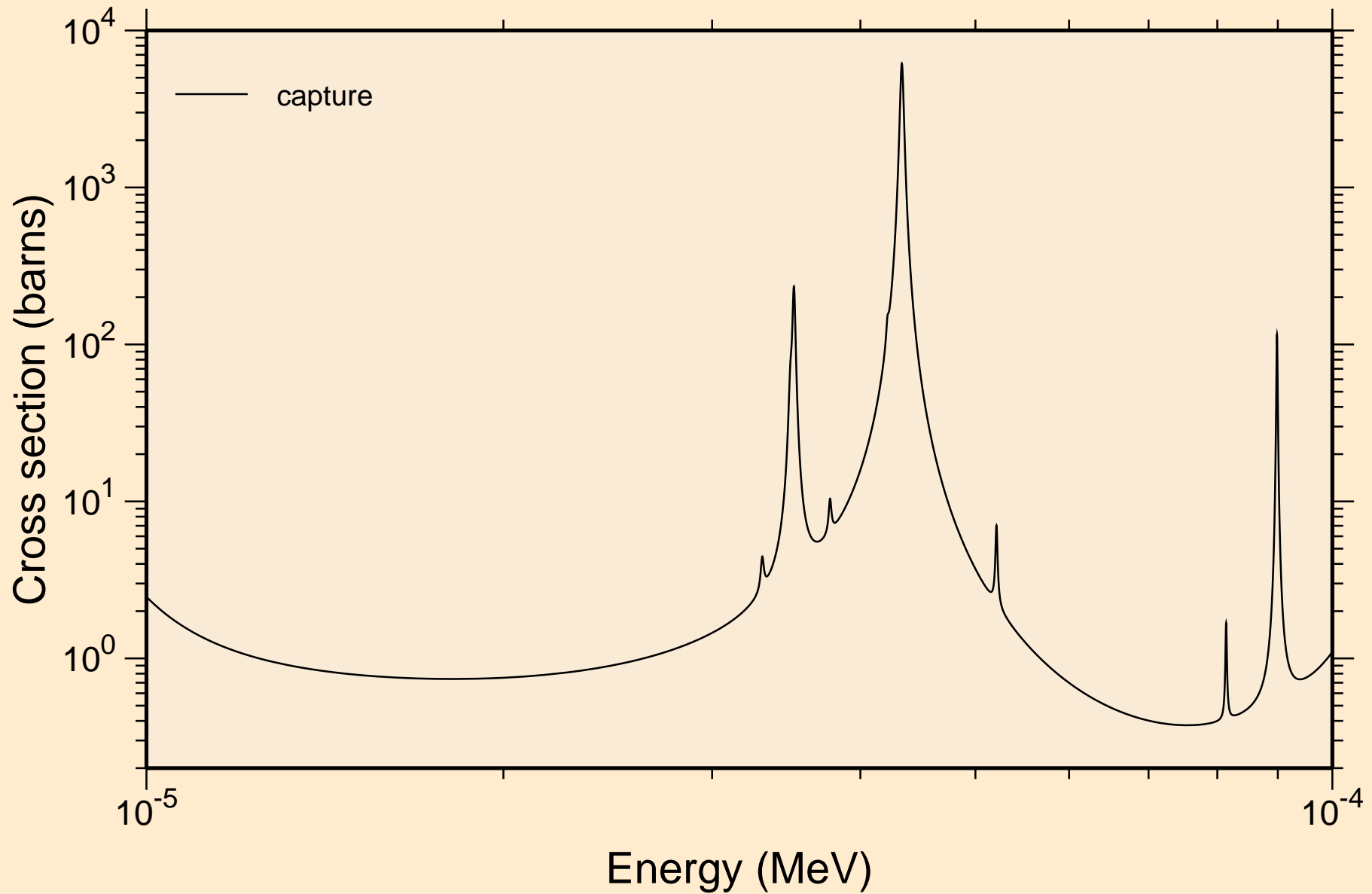
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



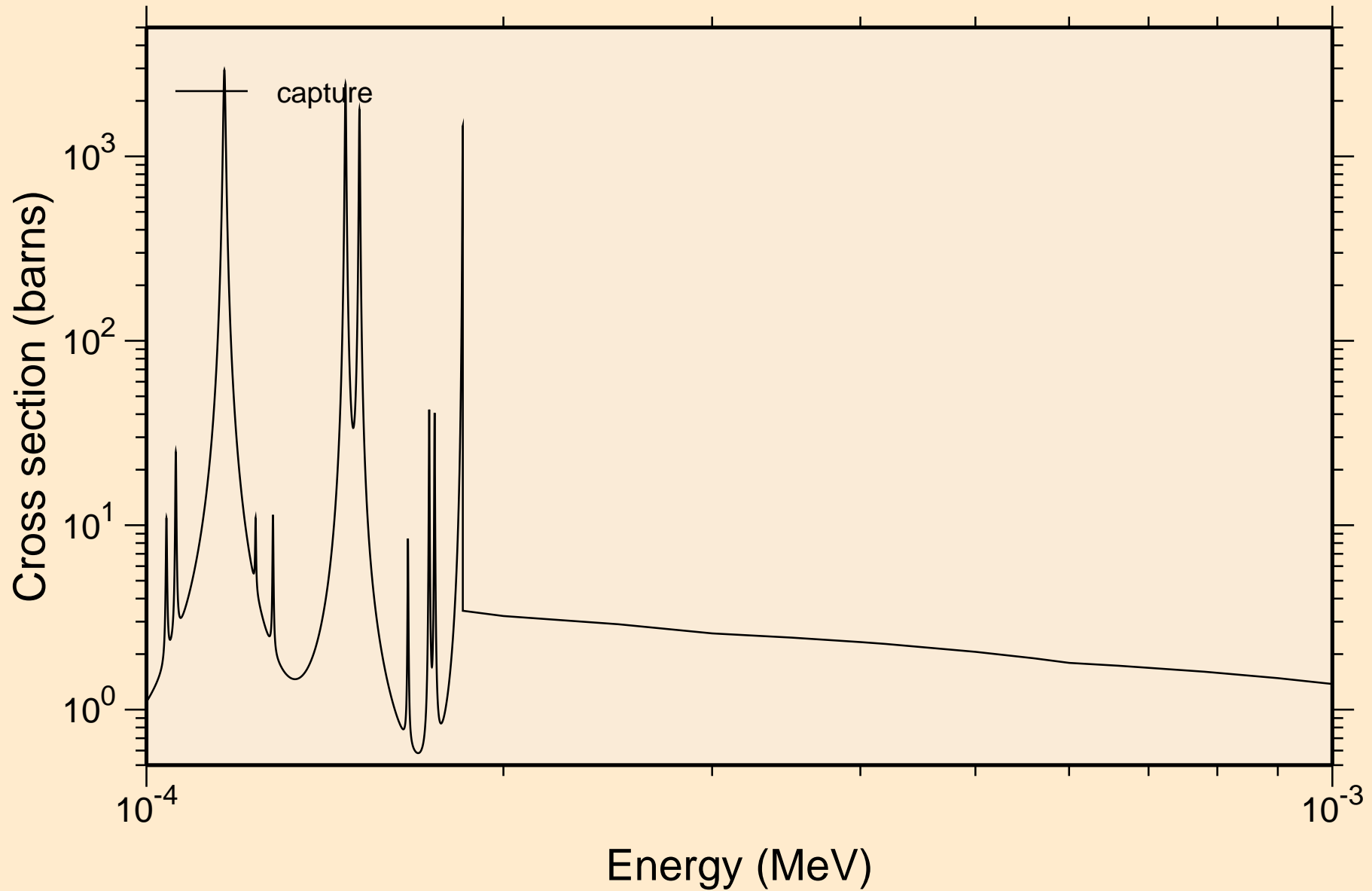
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

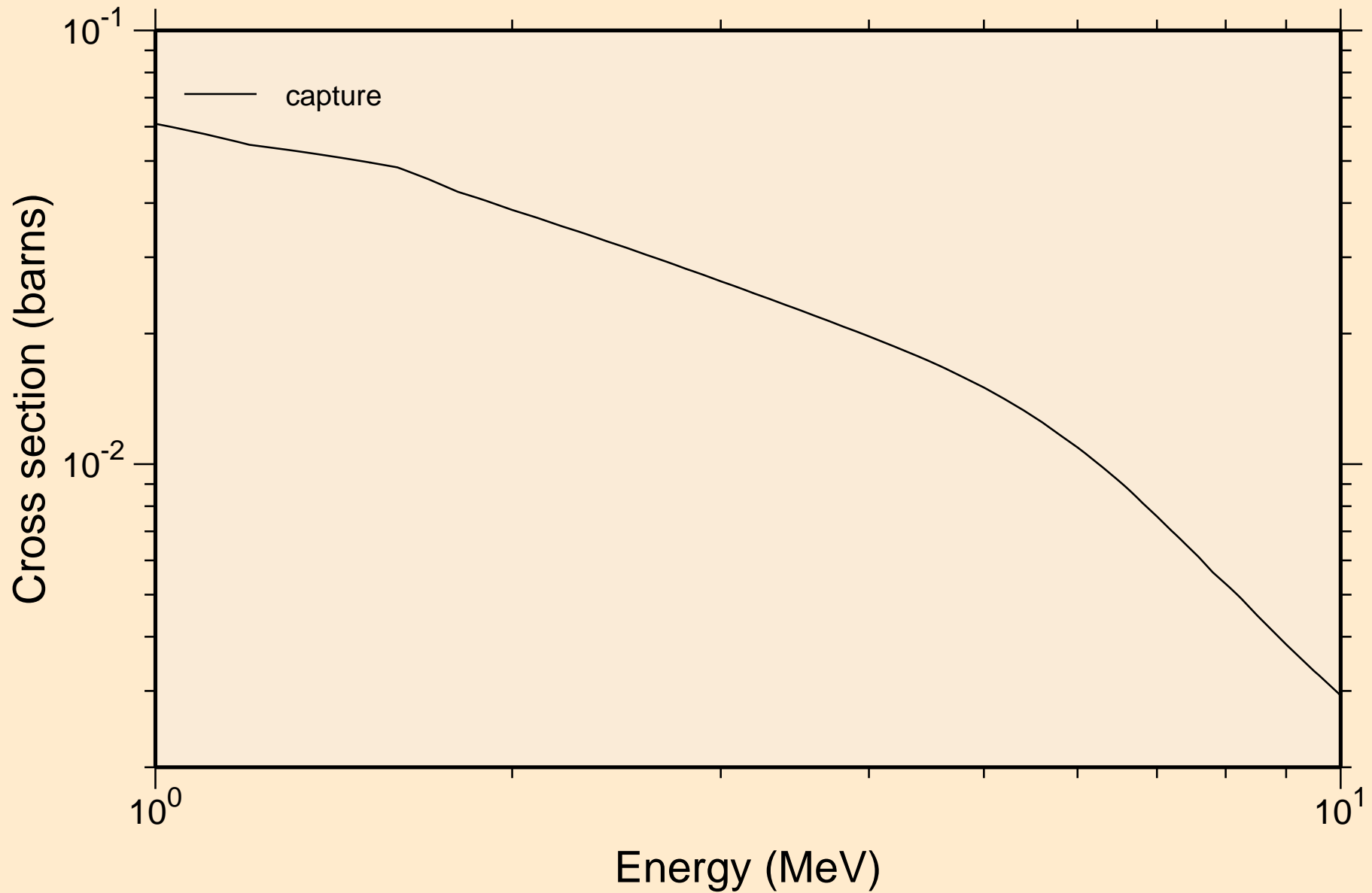


AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

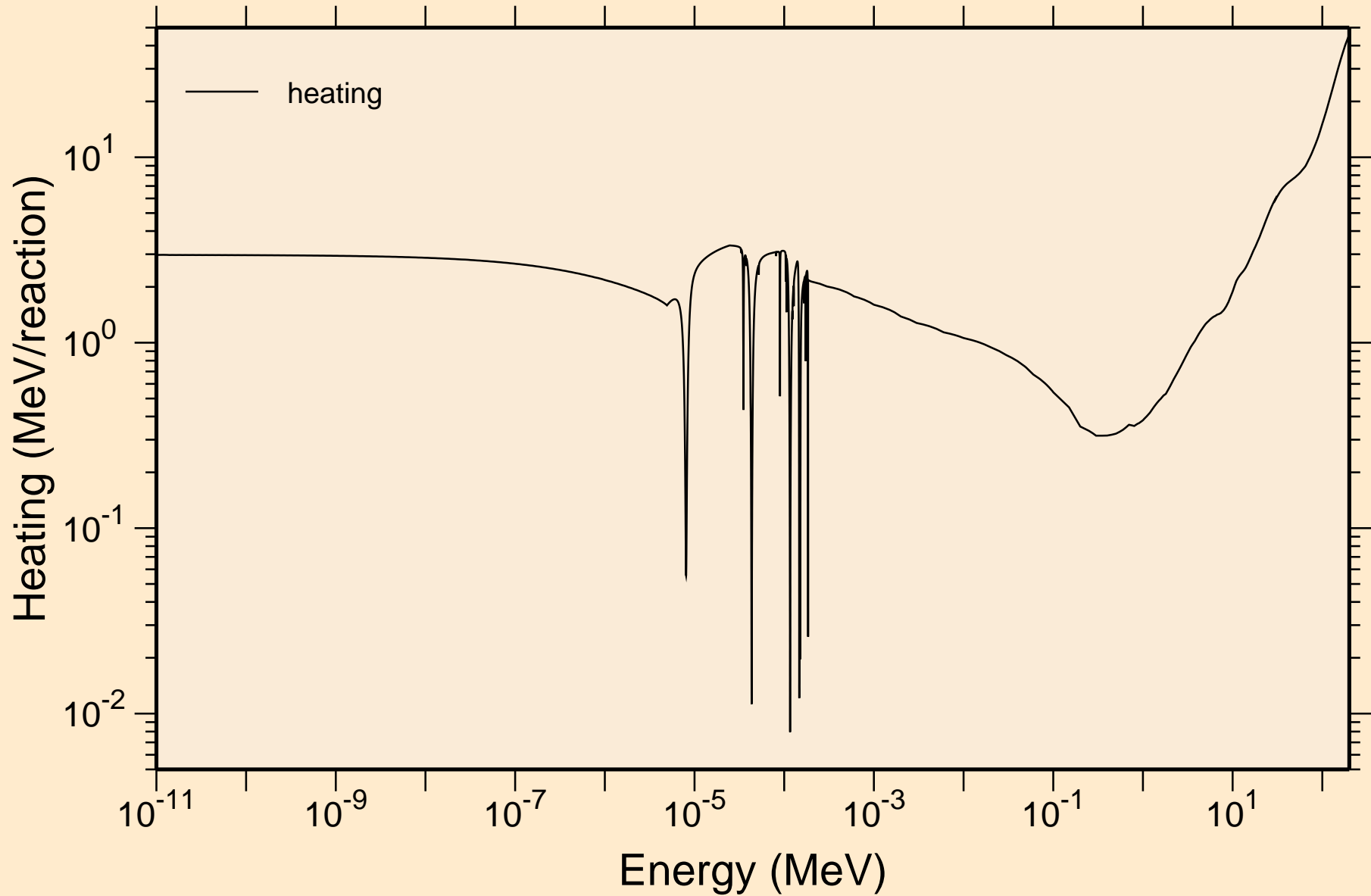




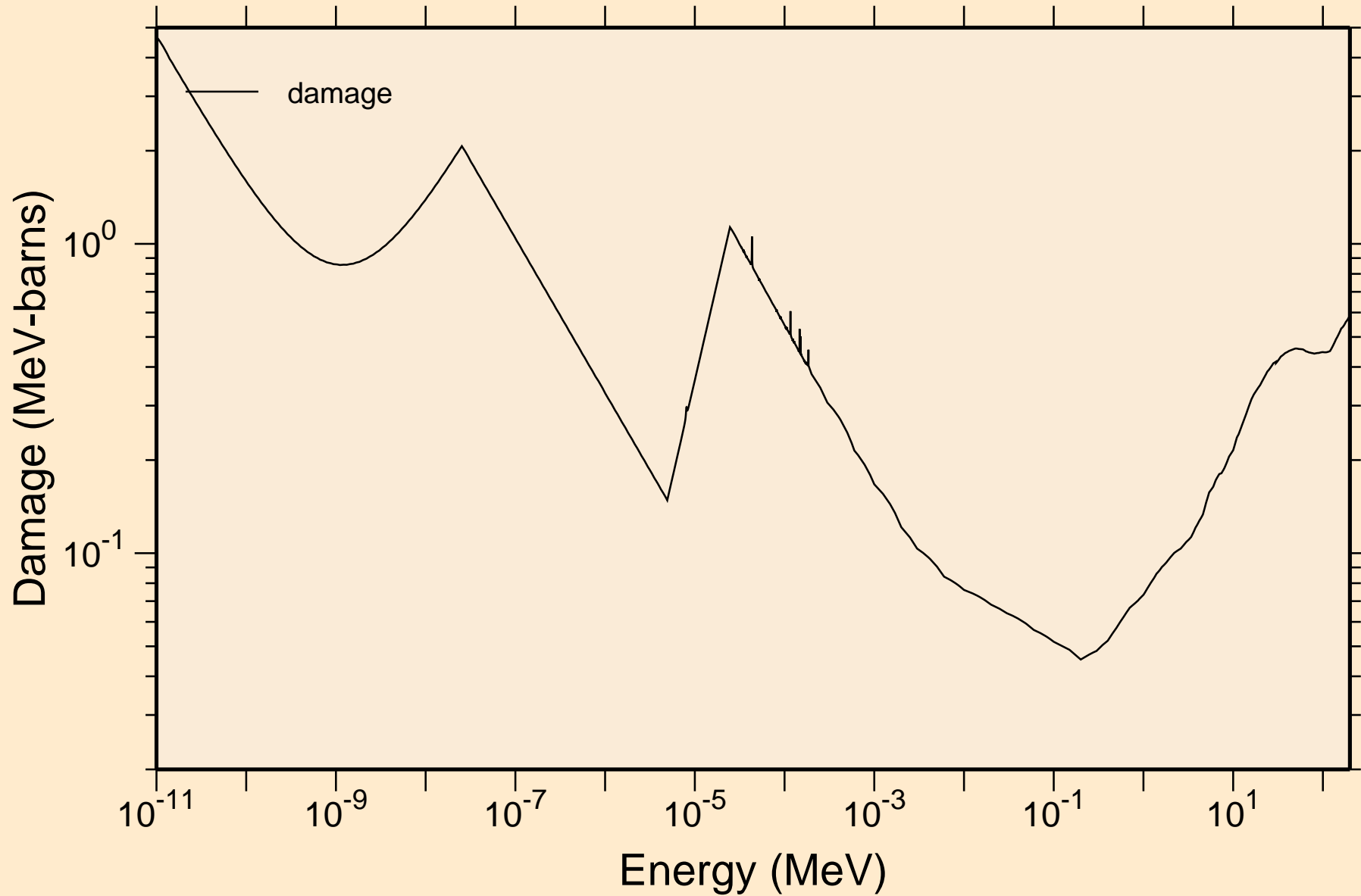
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



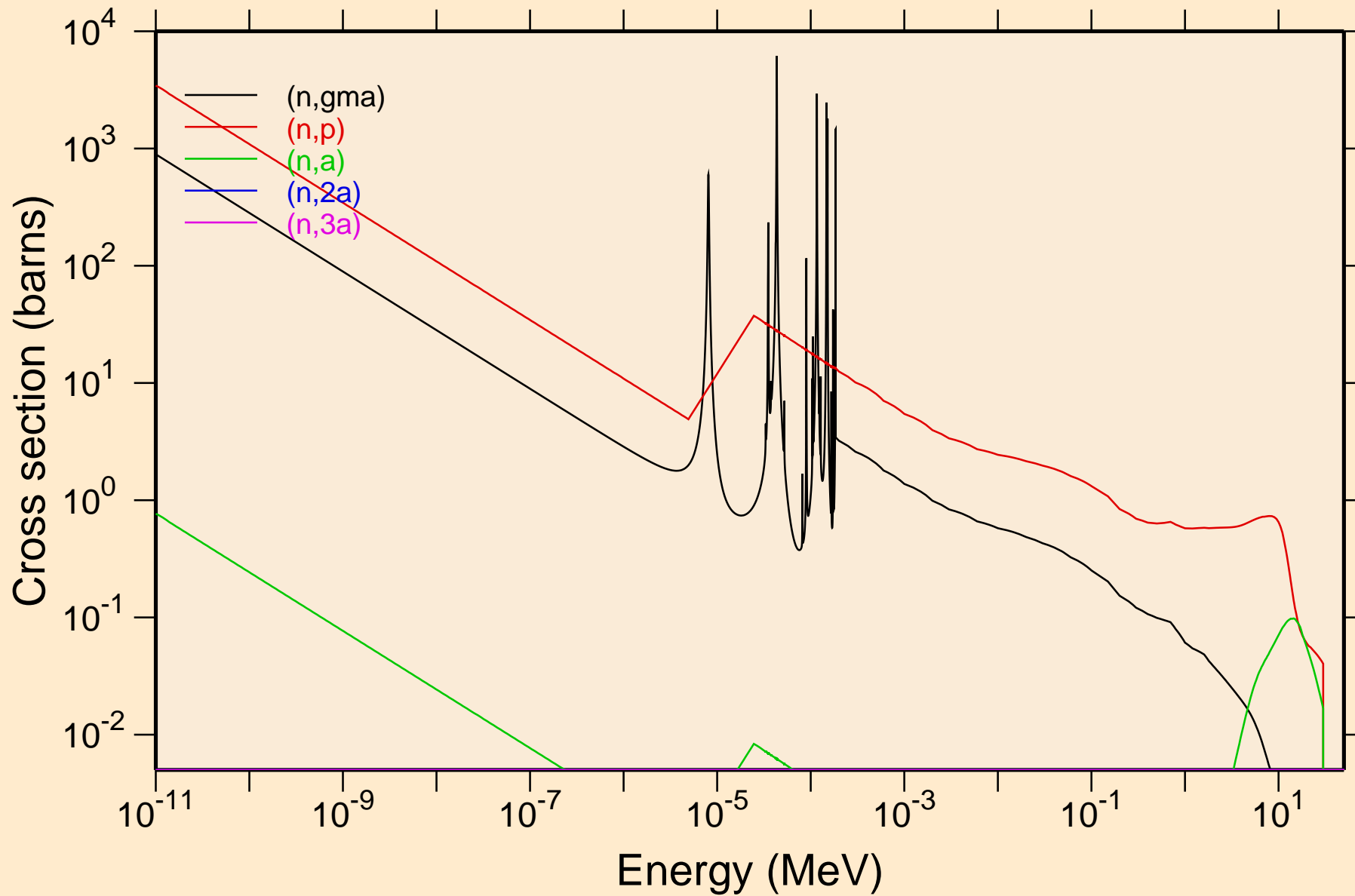
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



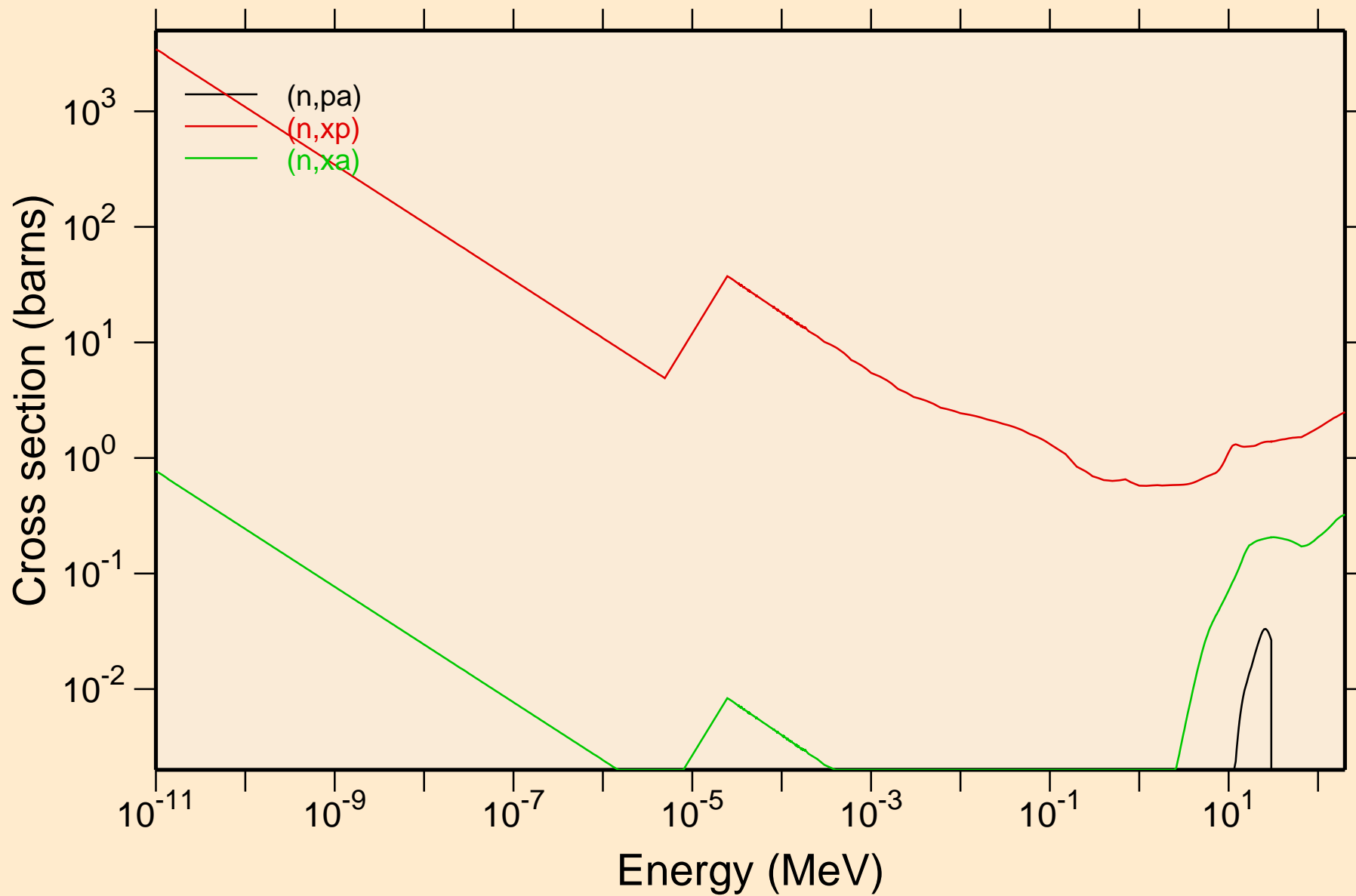
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

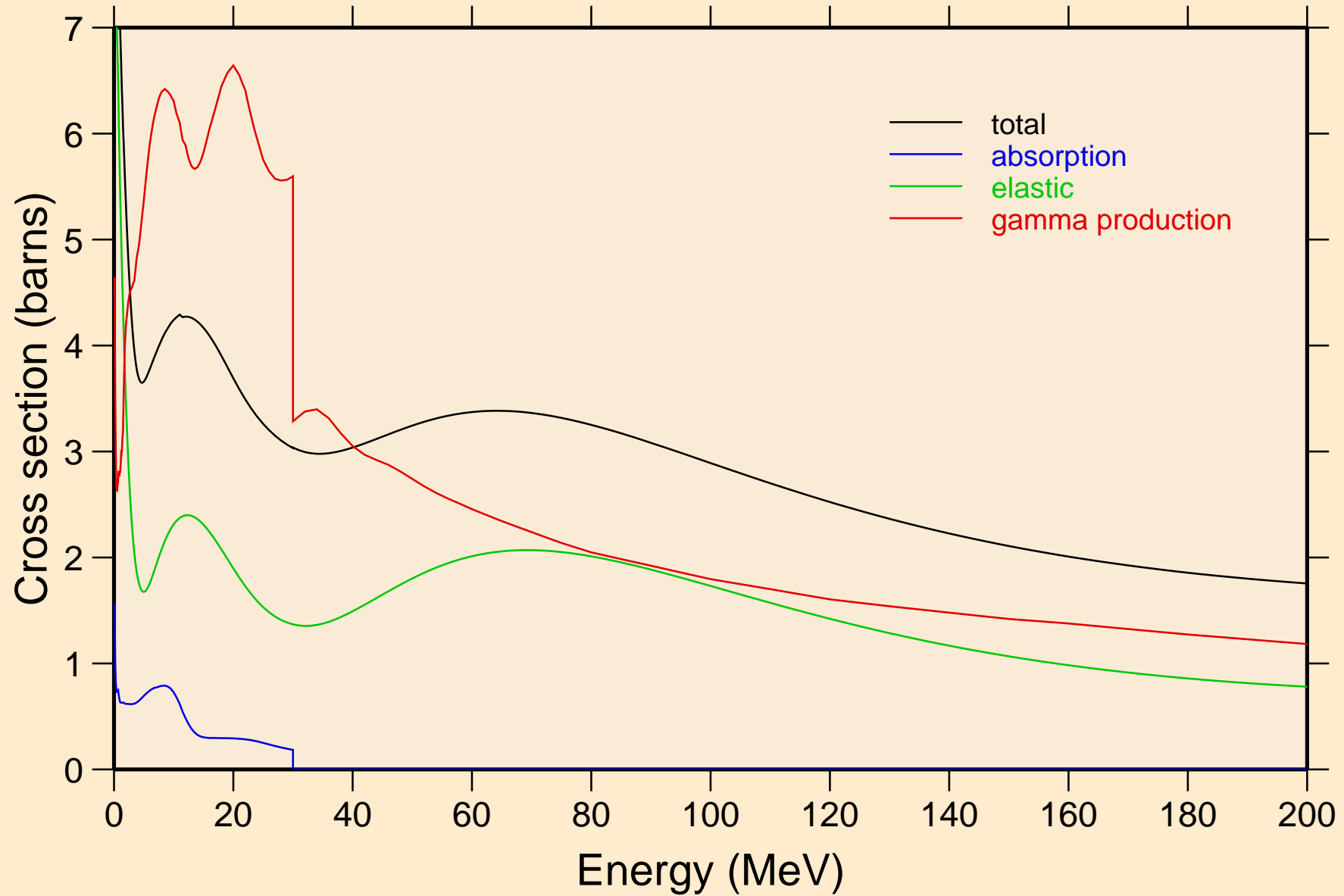


AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



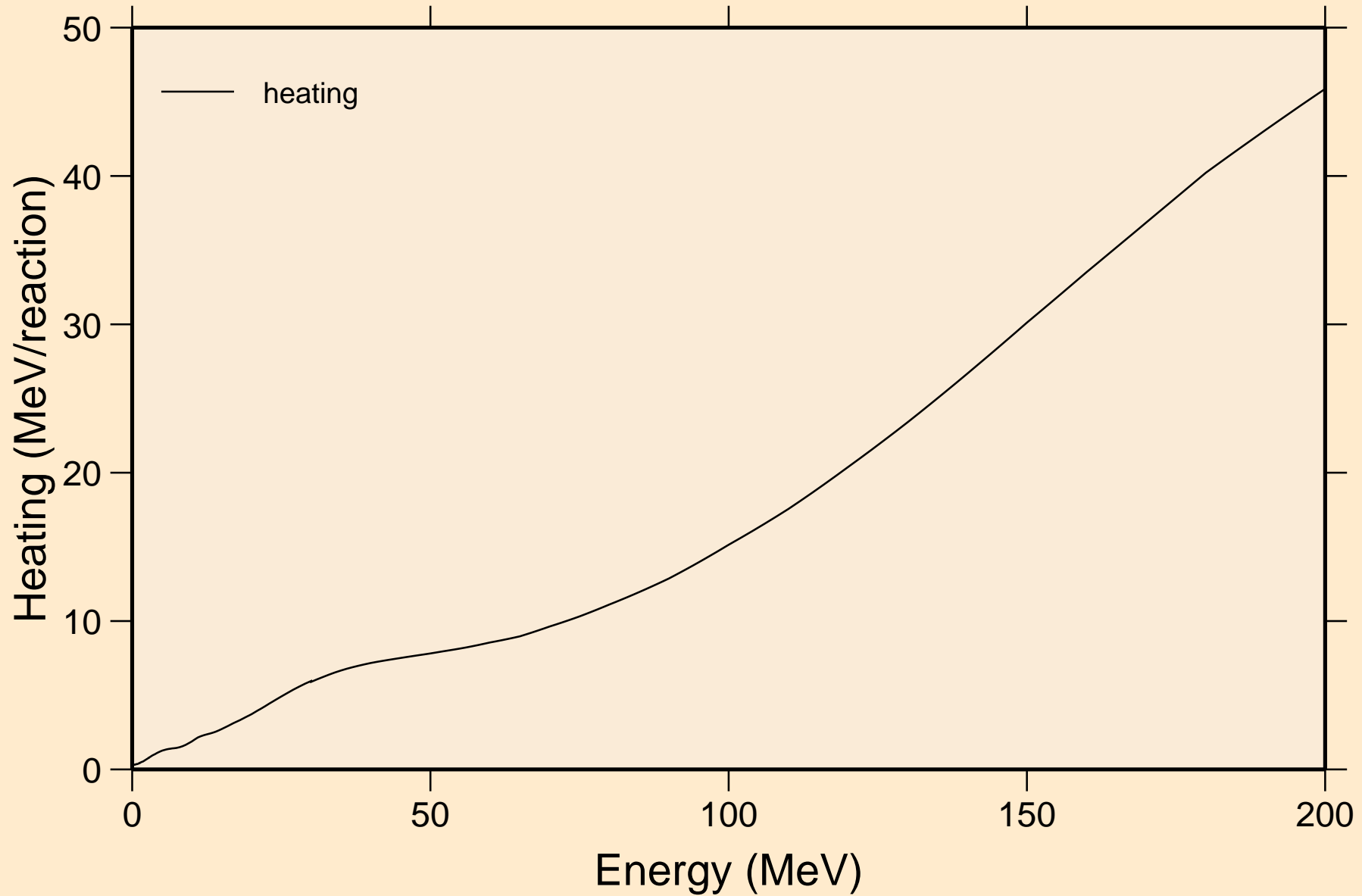
# AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

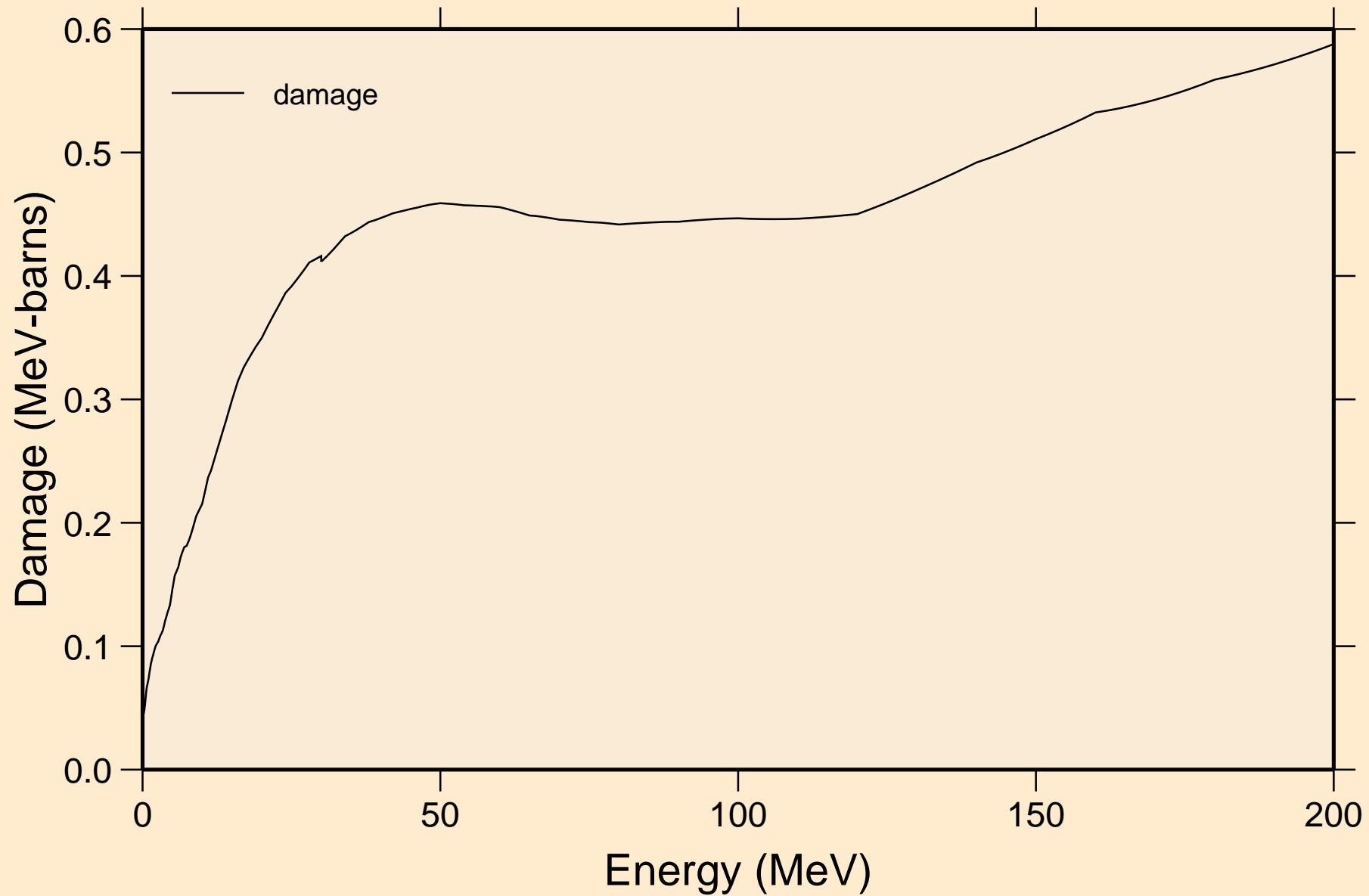


# AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



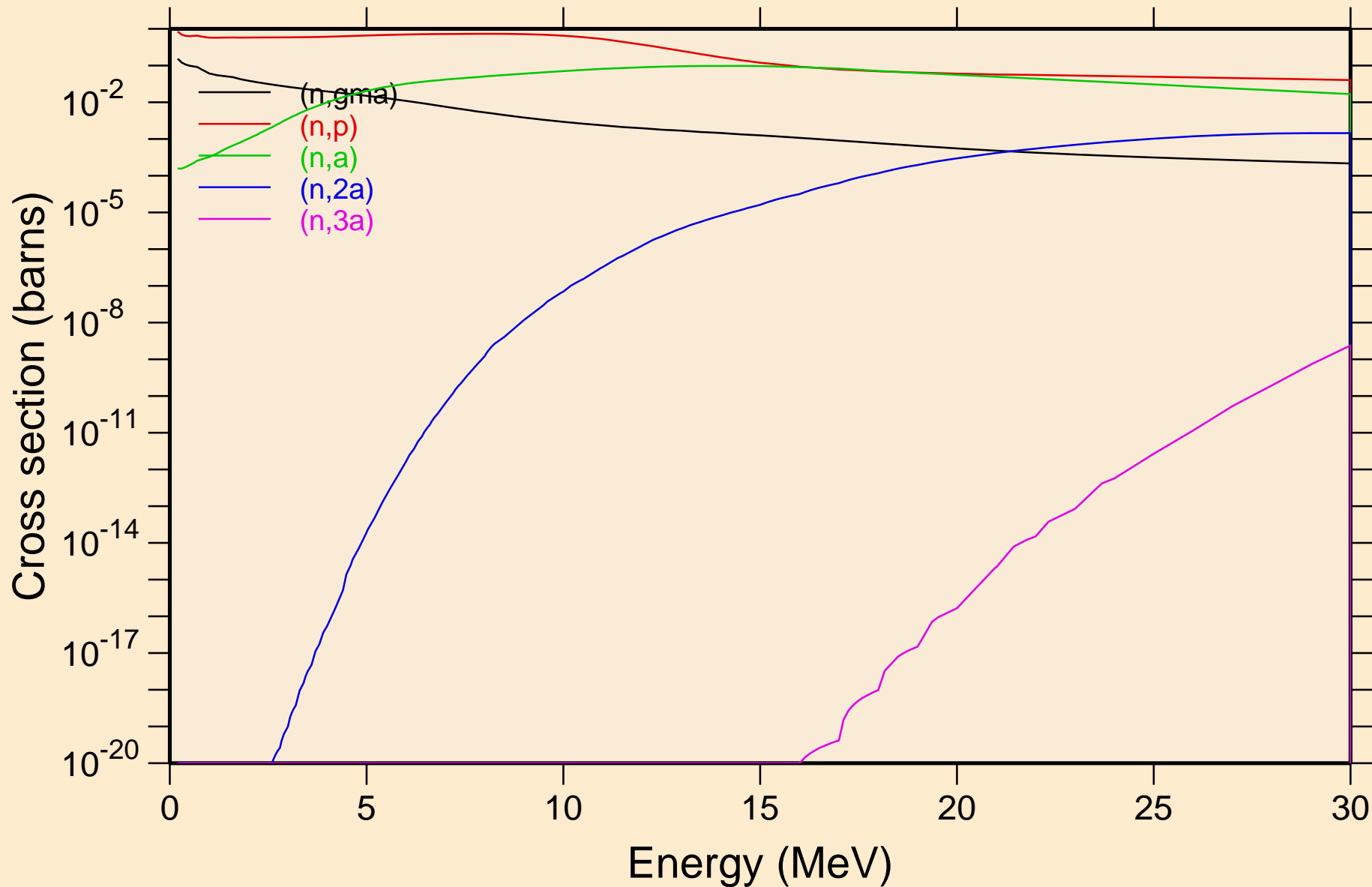
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



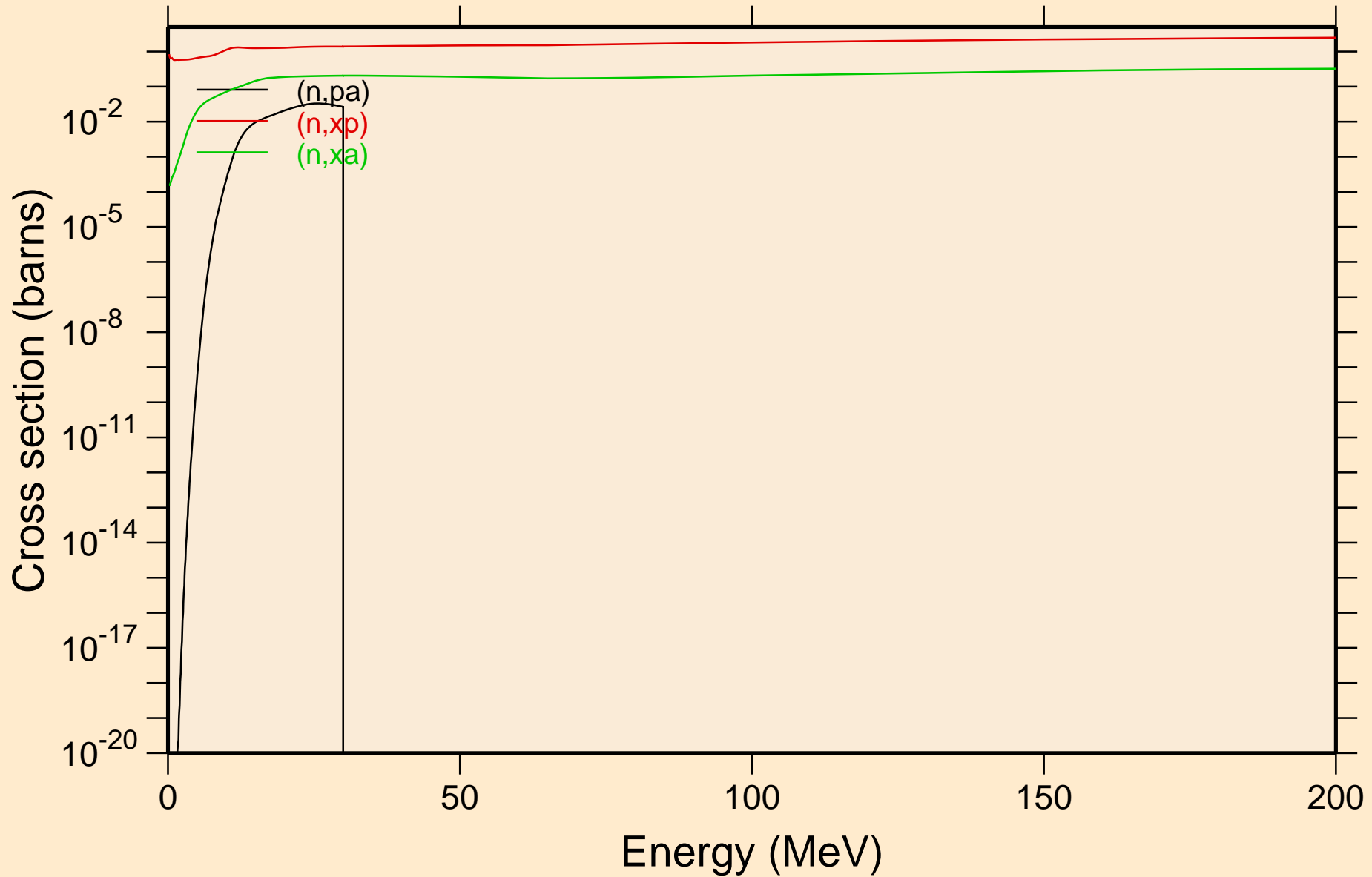


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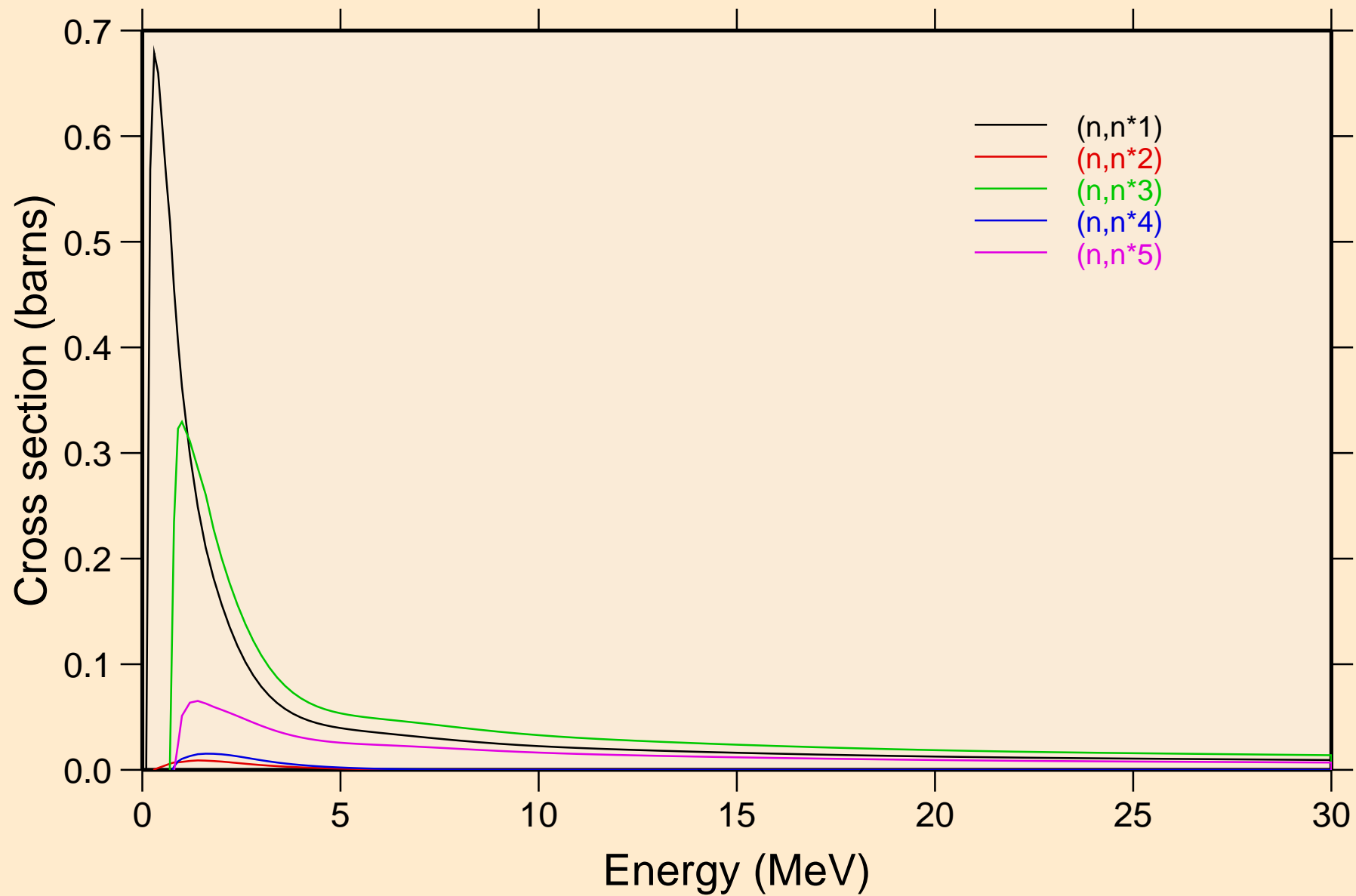
## Non-threshold reactions



AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

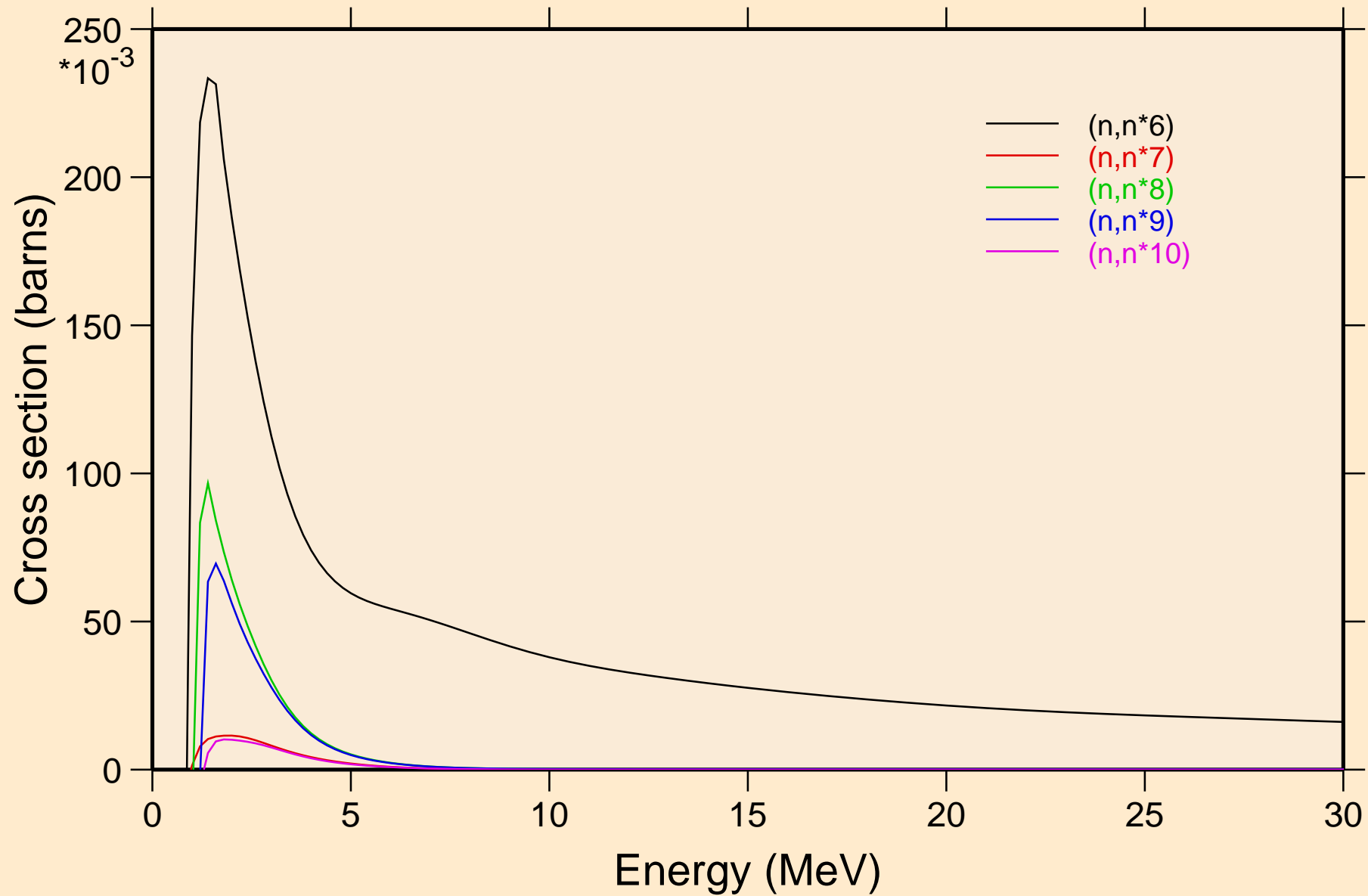


AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

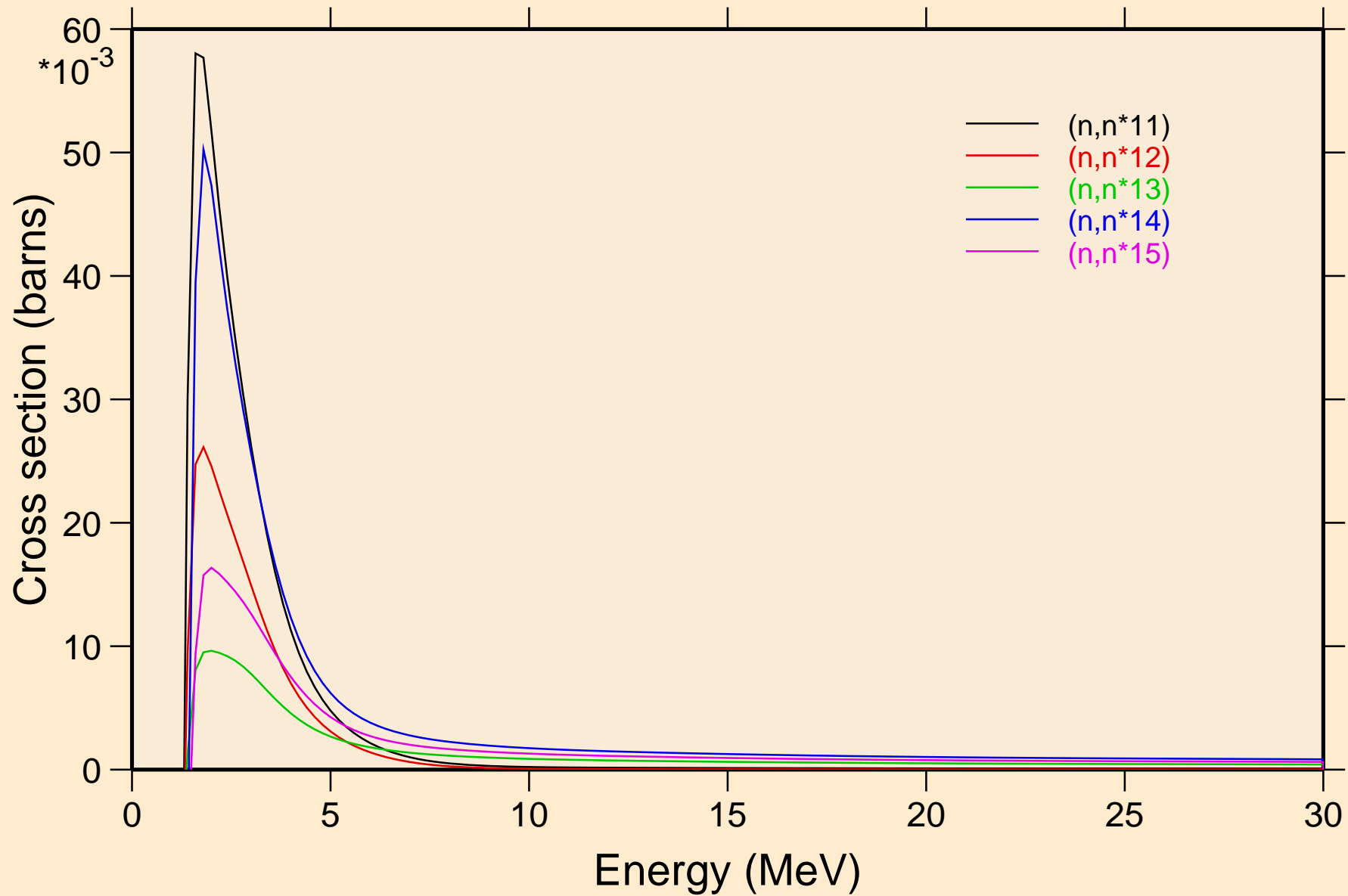


# AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels

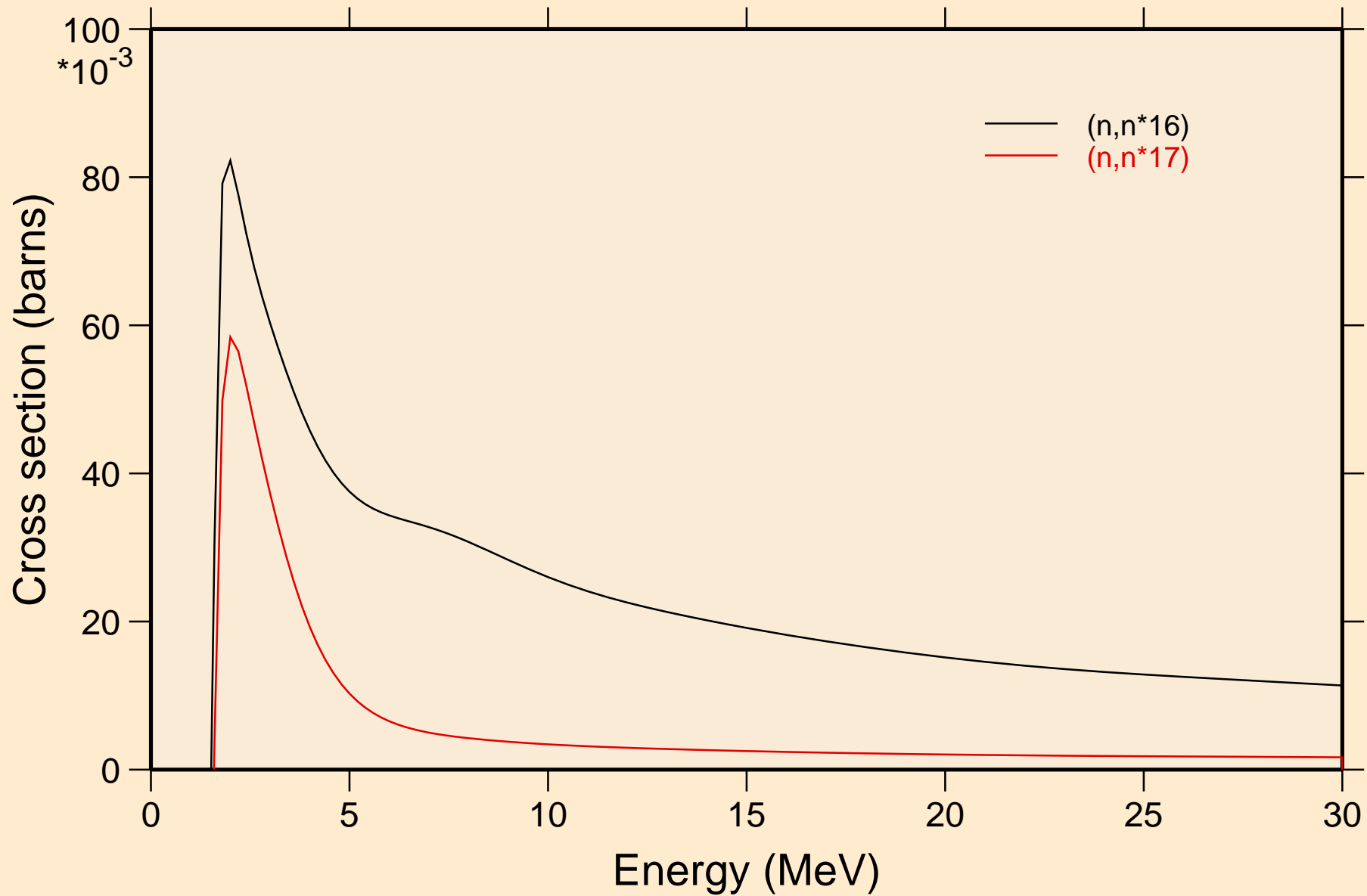


AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

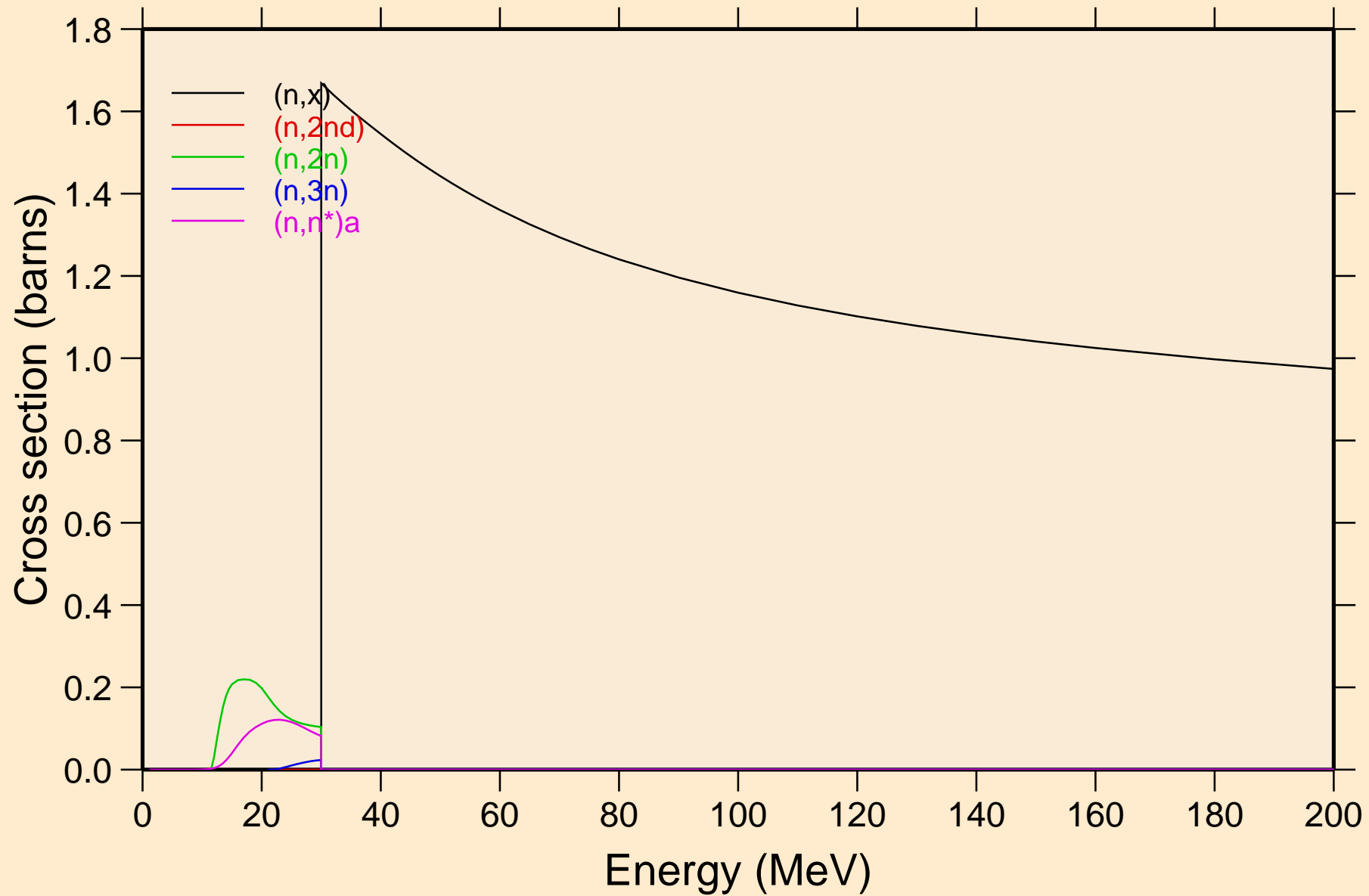


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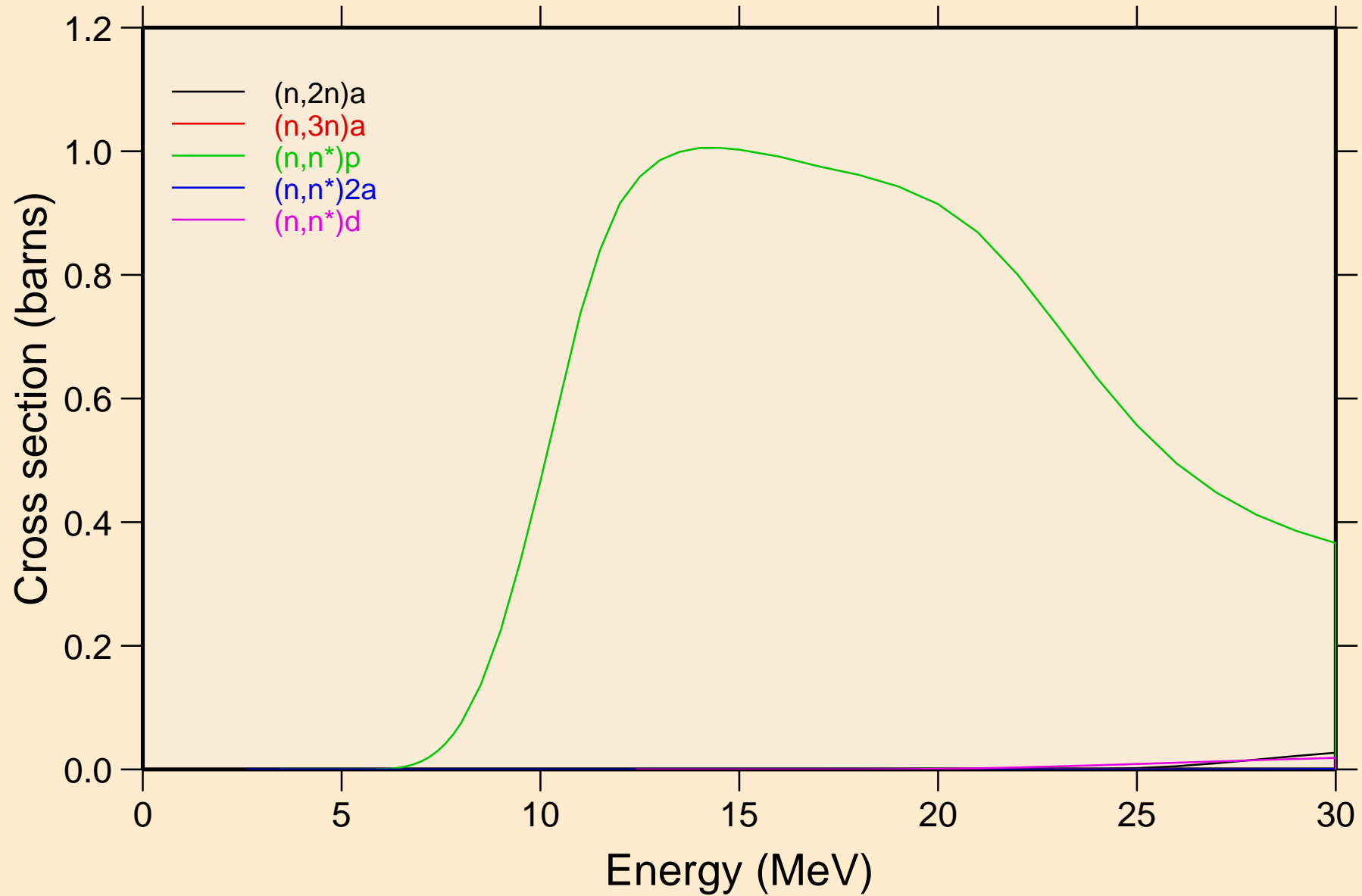
## Inelastic levels



AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



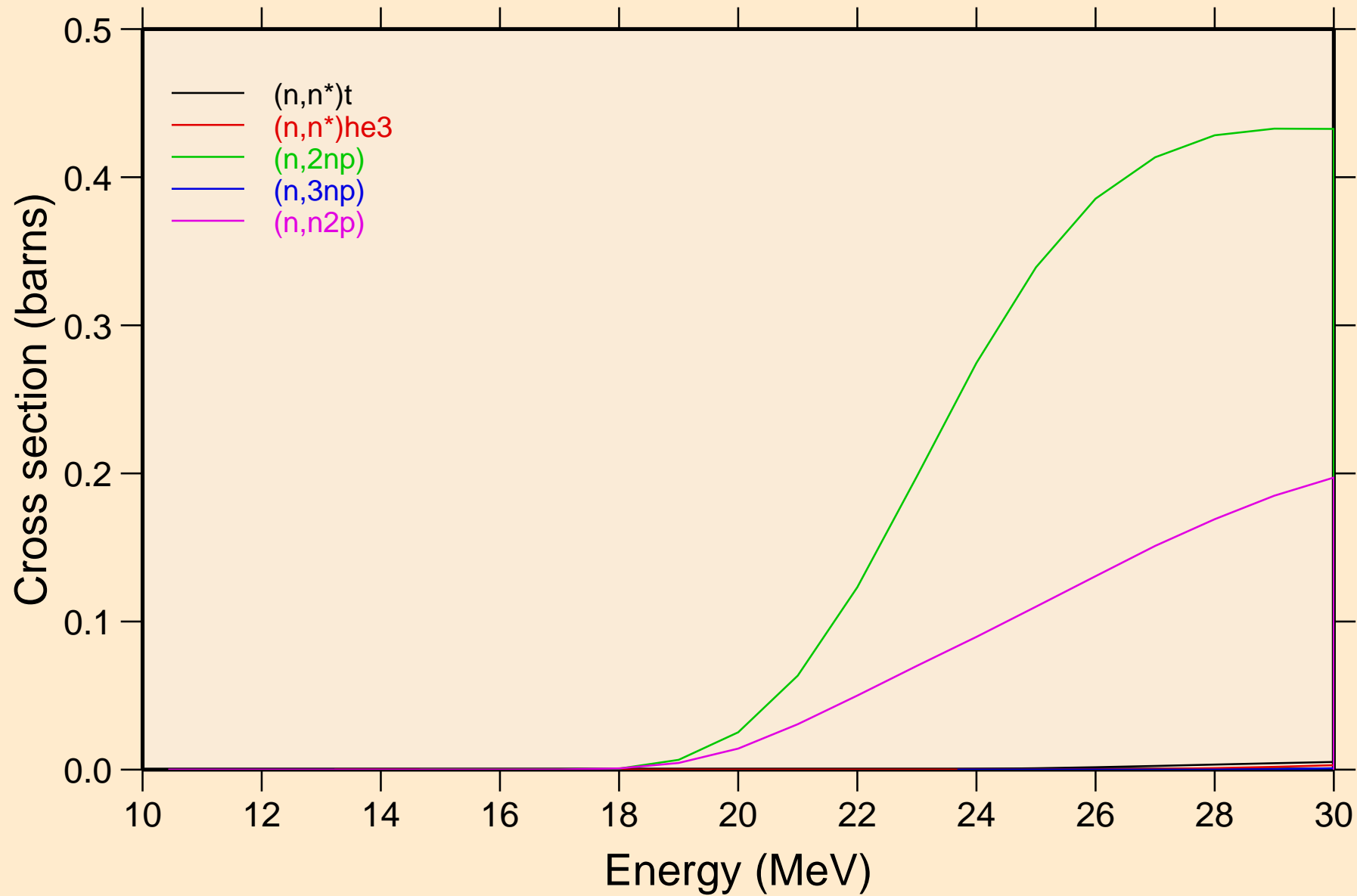
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



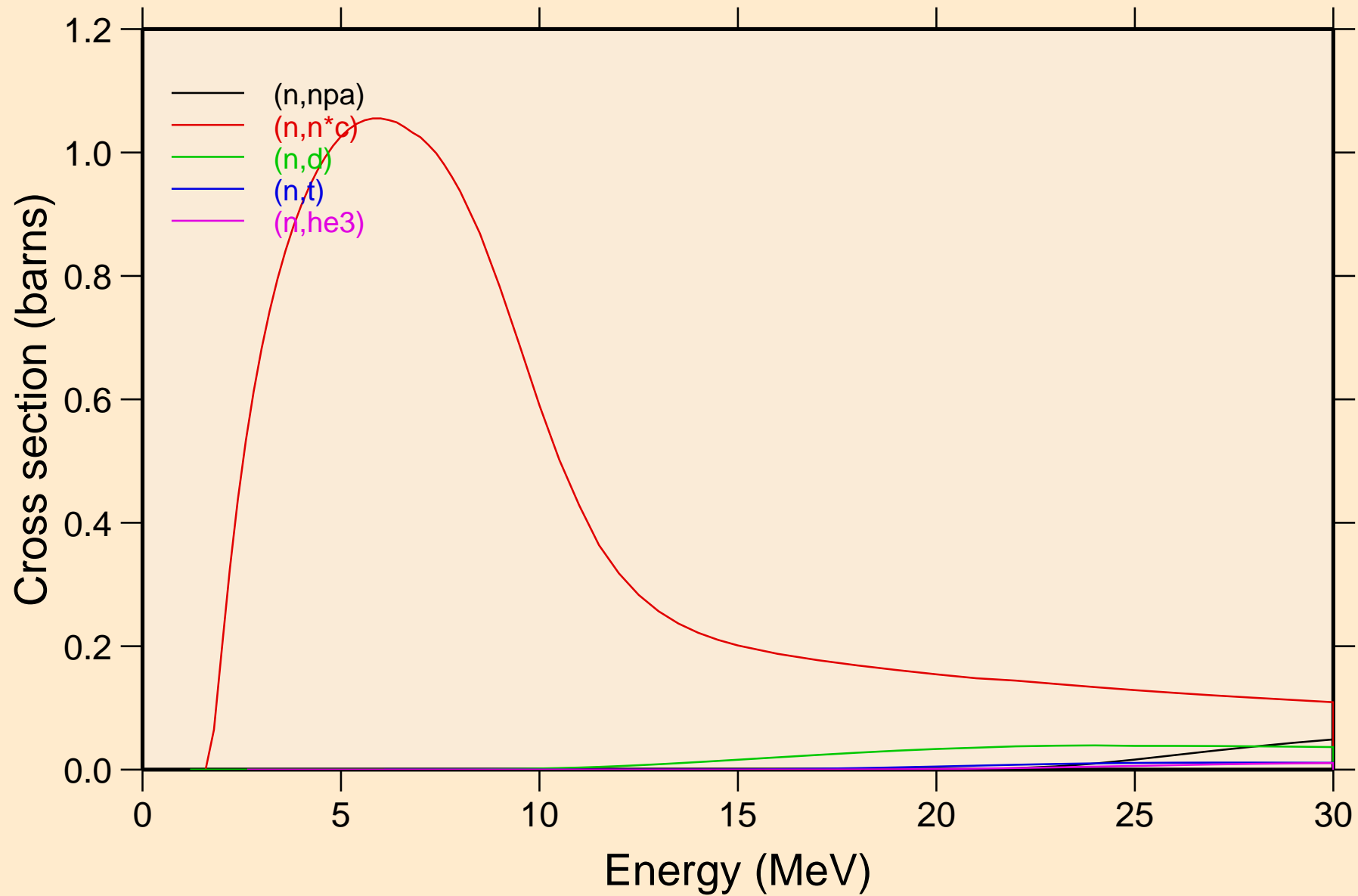


# AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

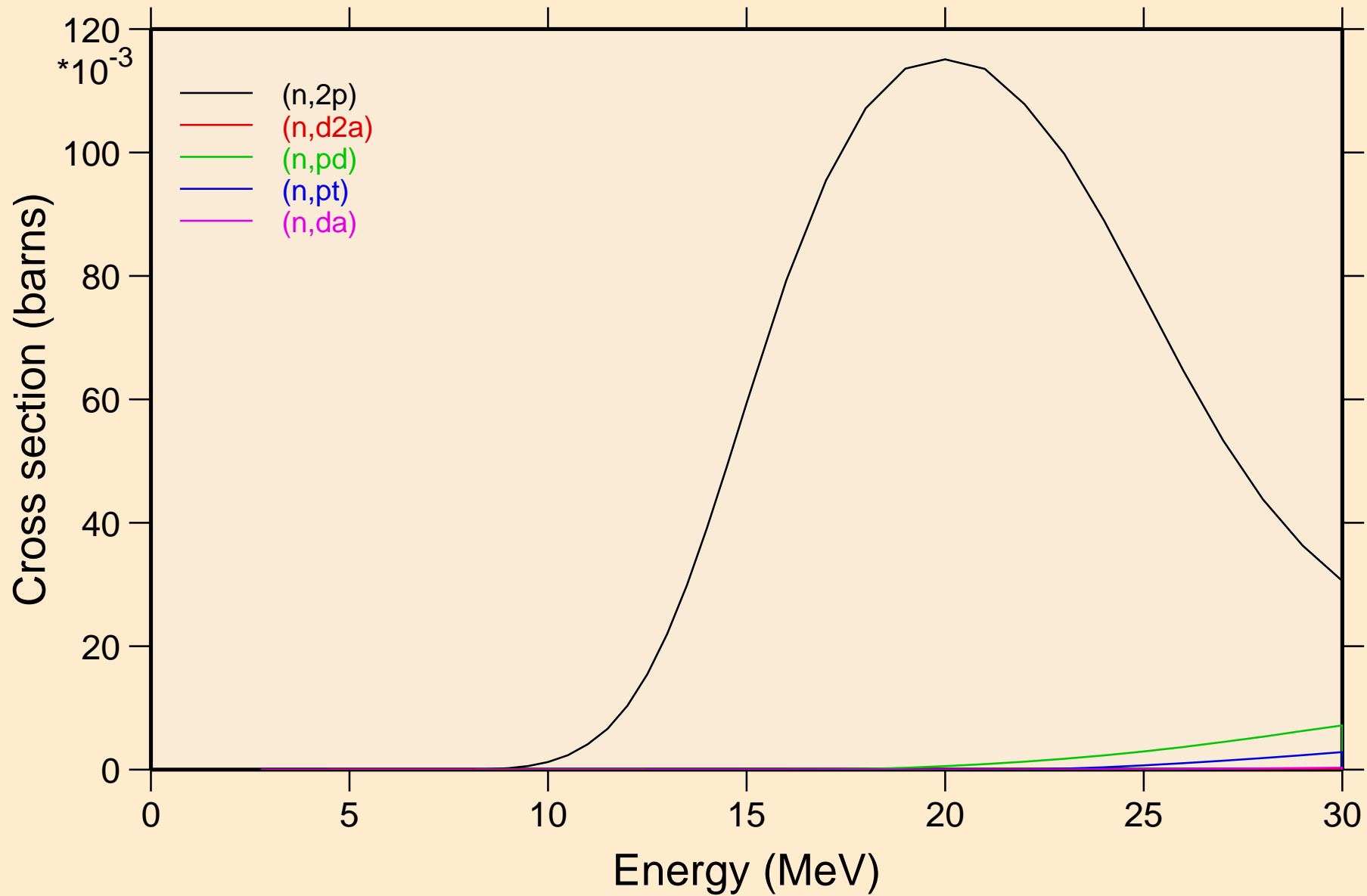


AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



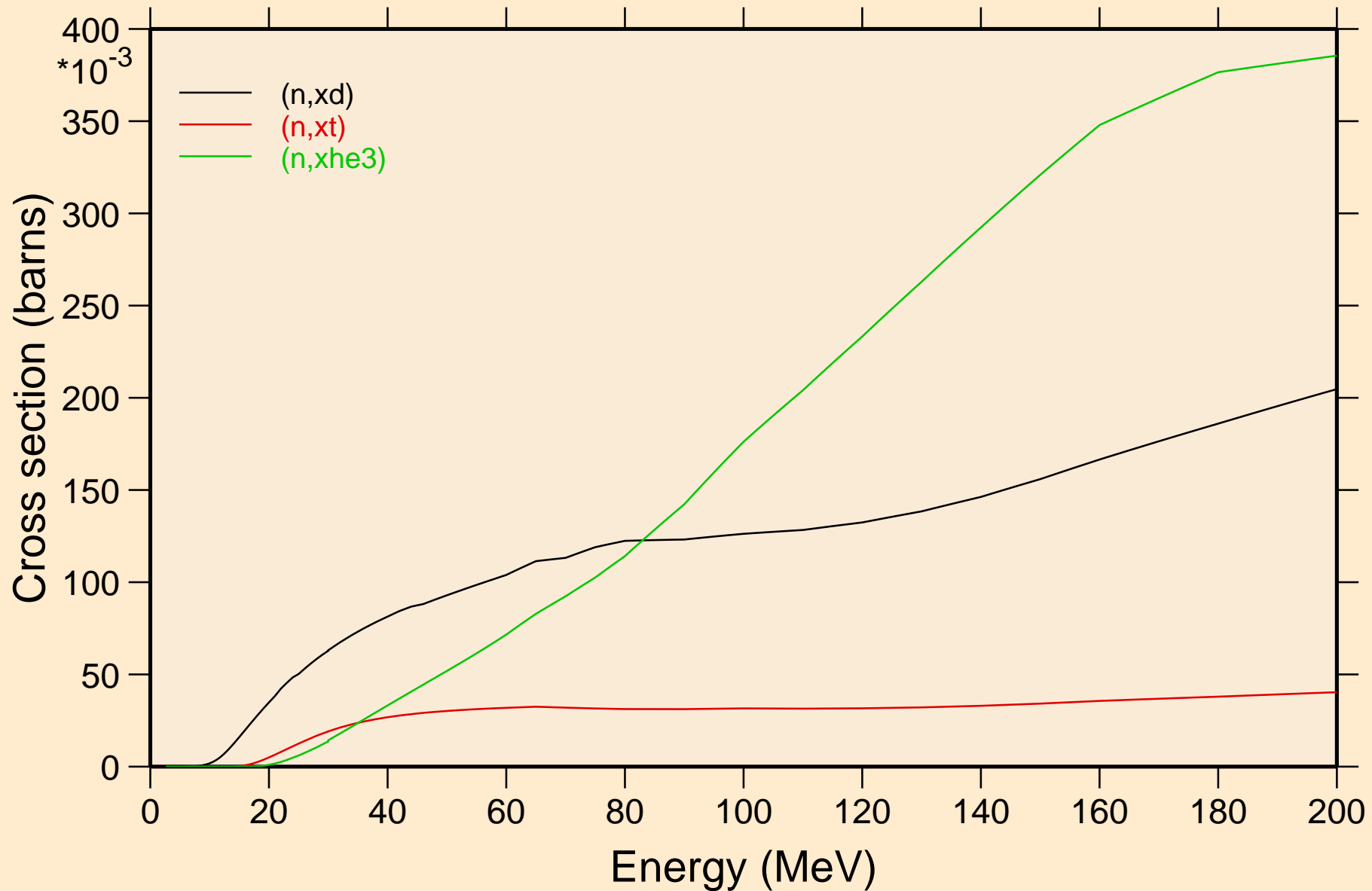
# AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

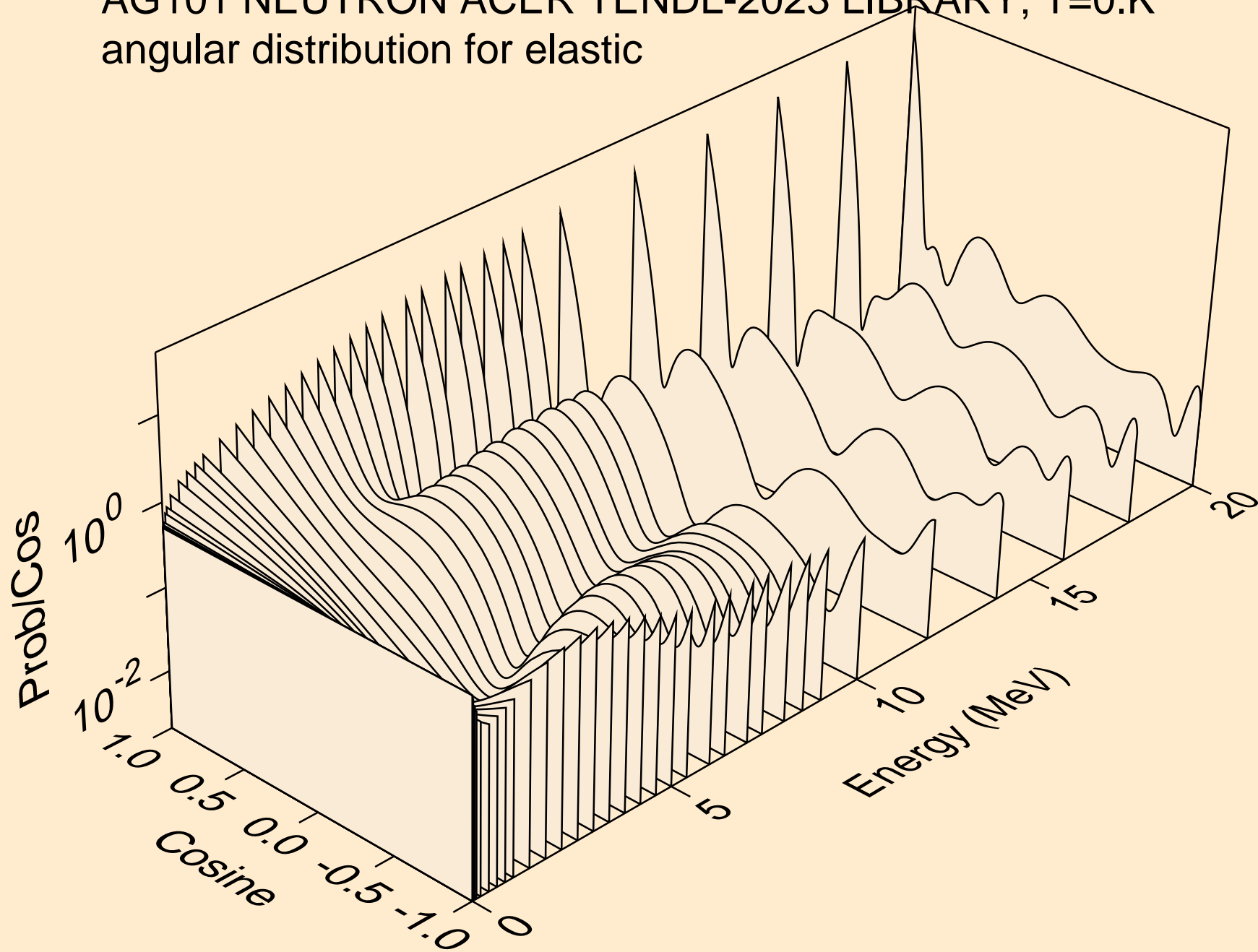


# AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

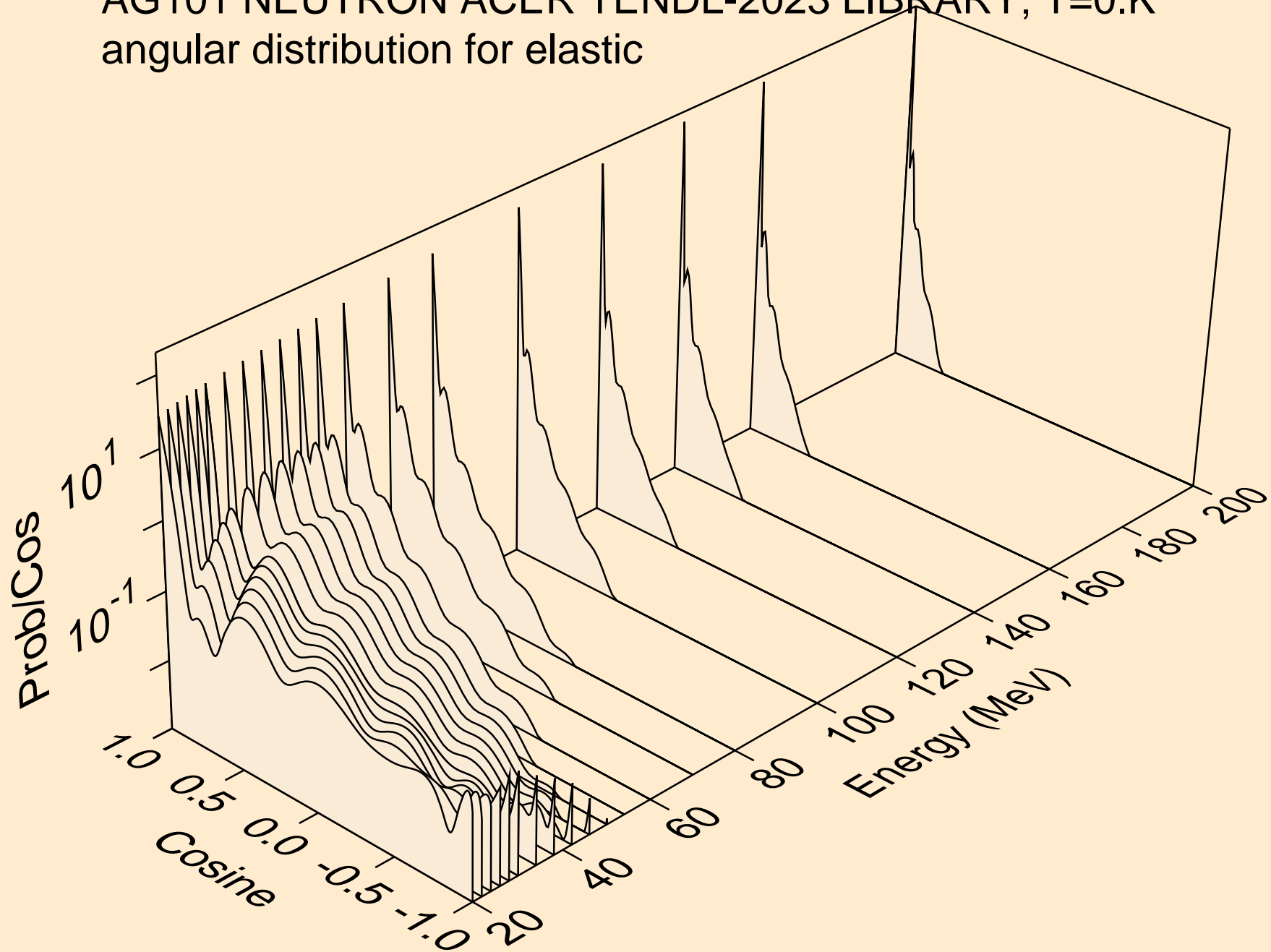
## Threshold reactions



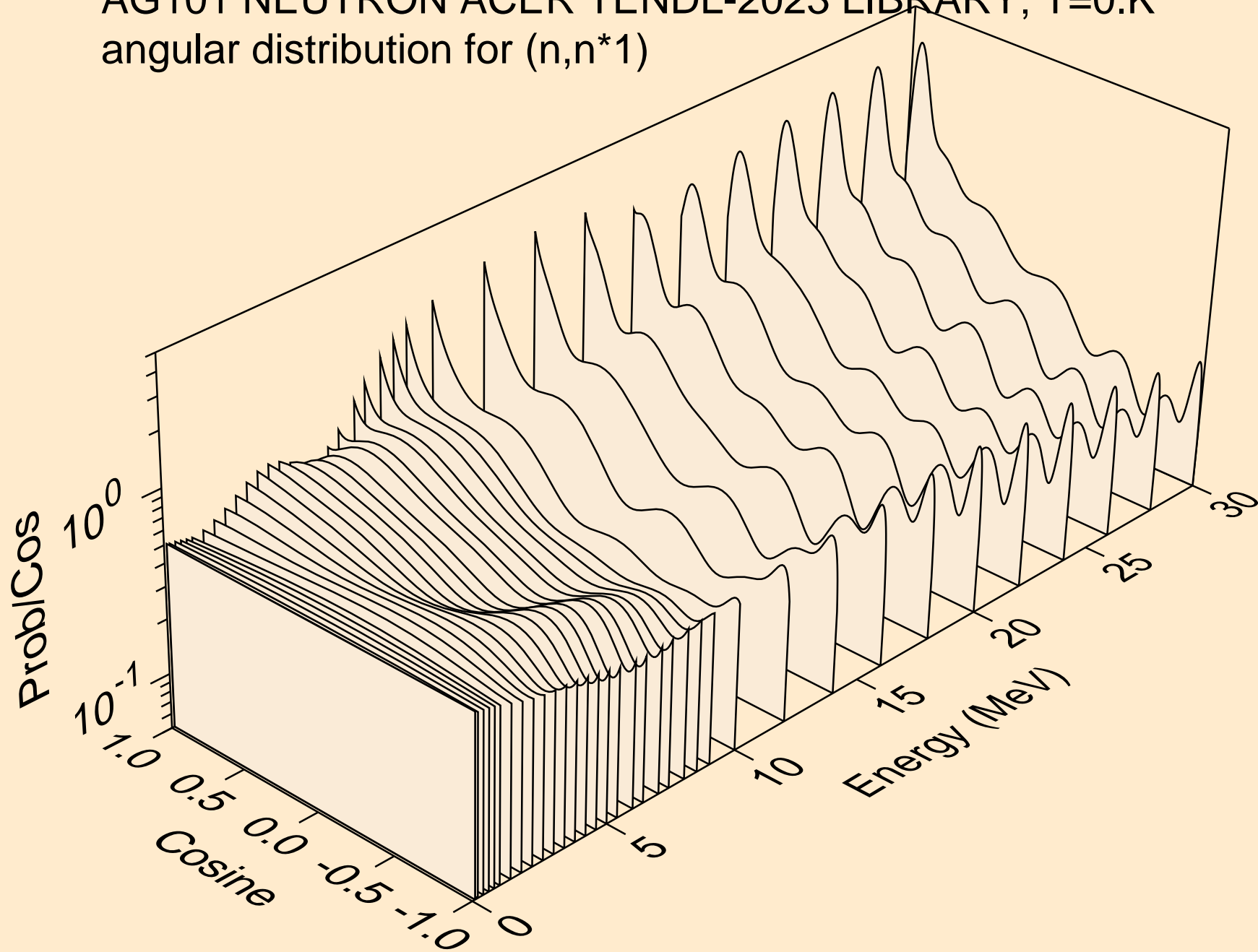
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



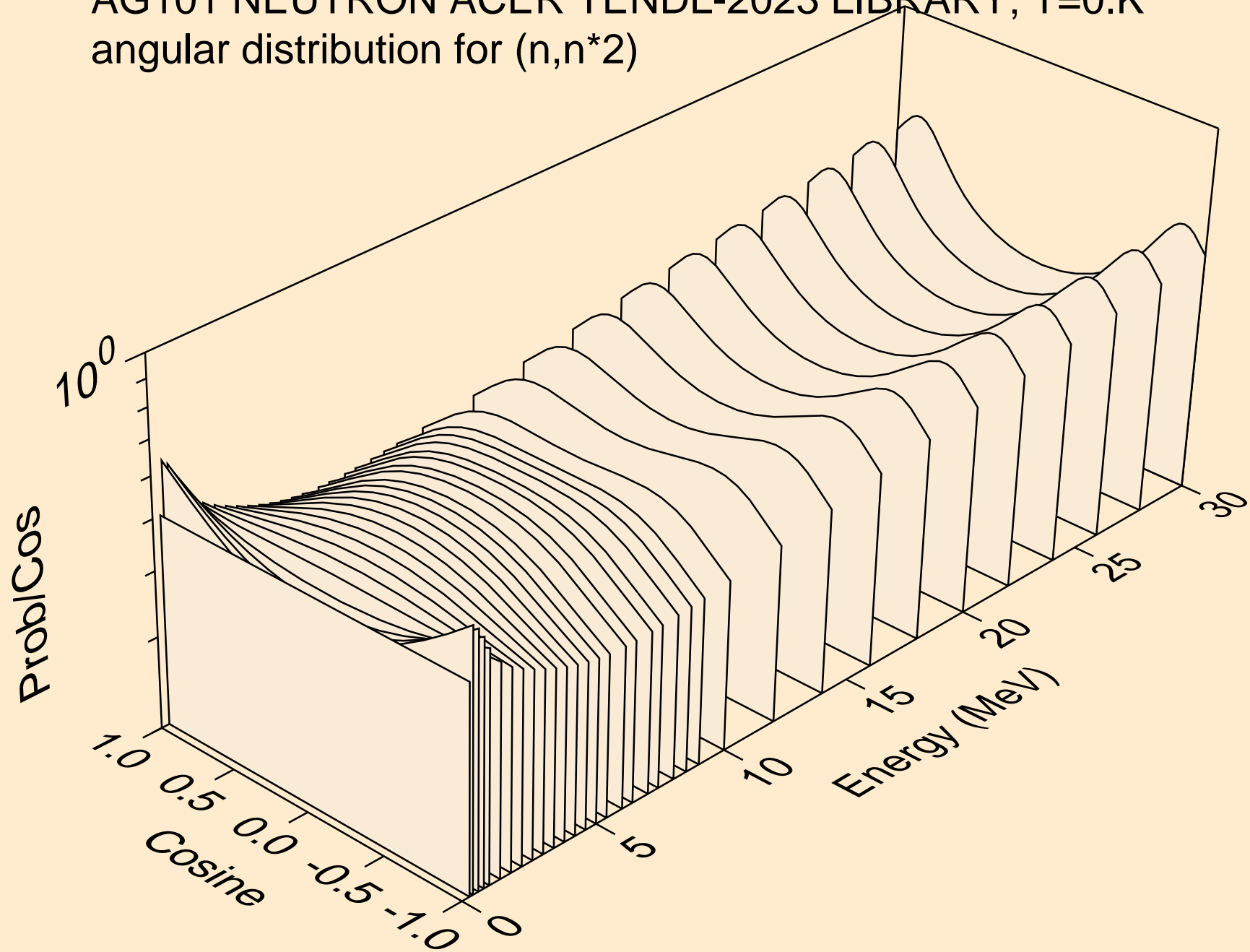
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

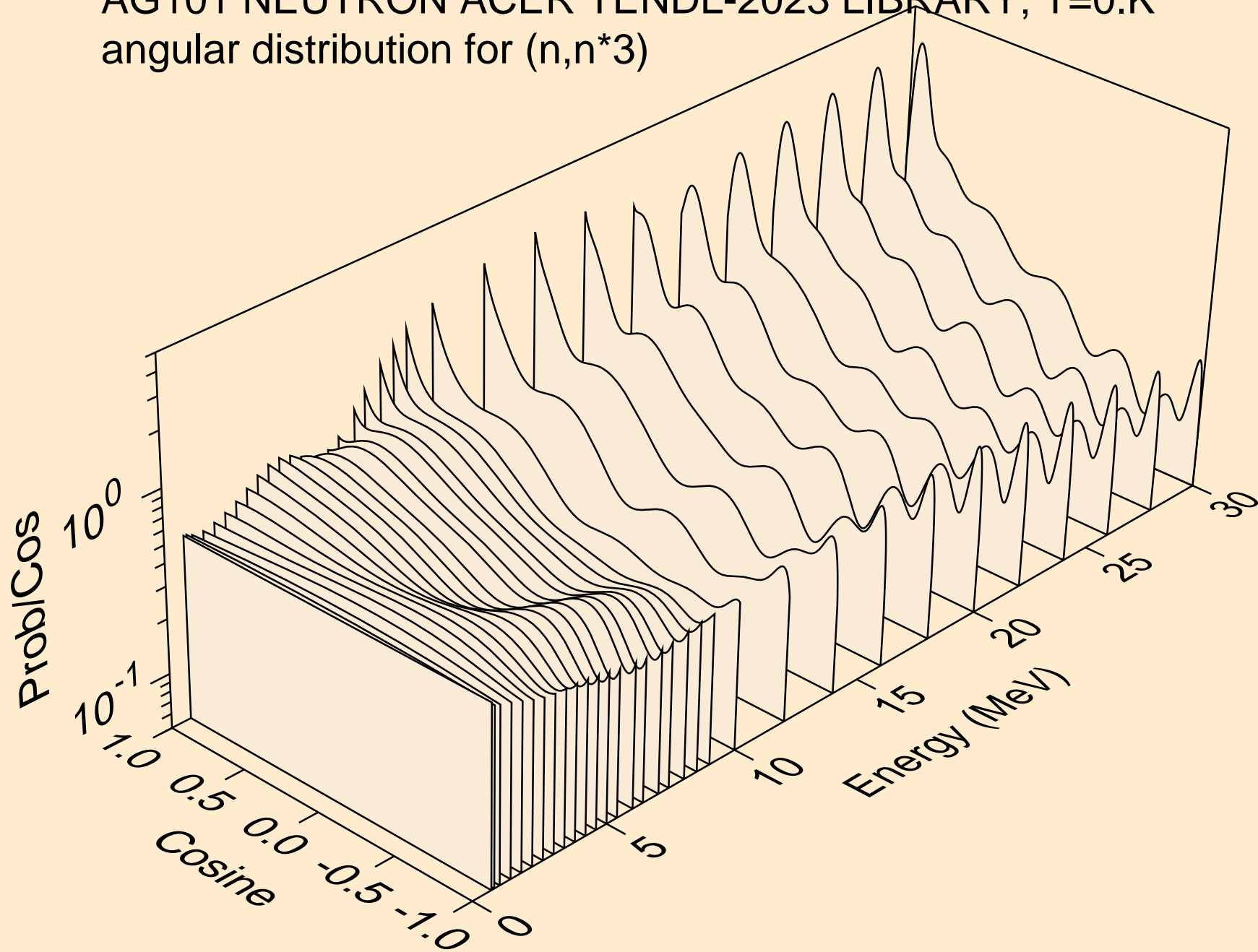


AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

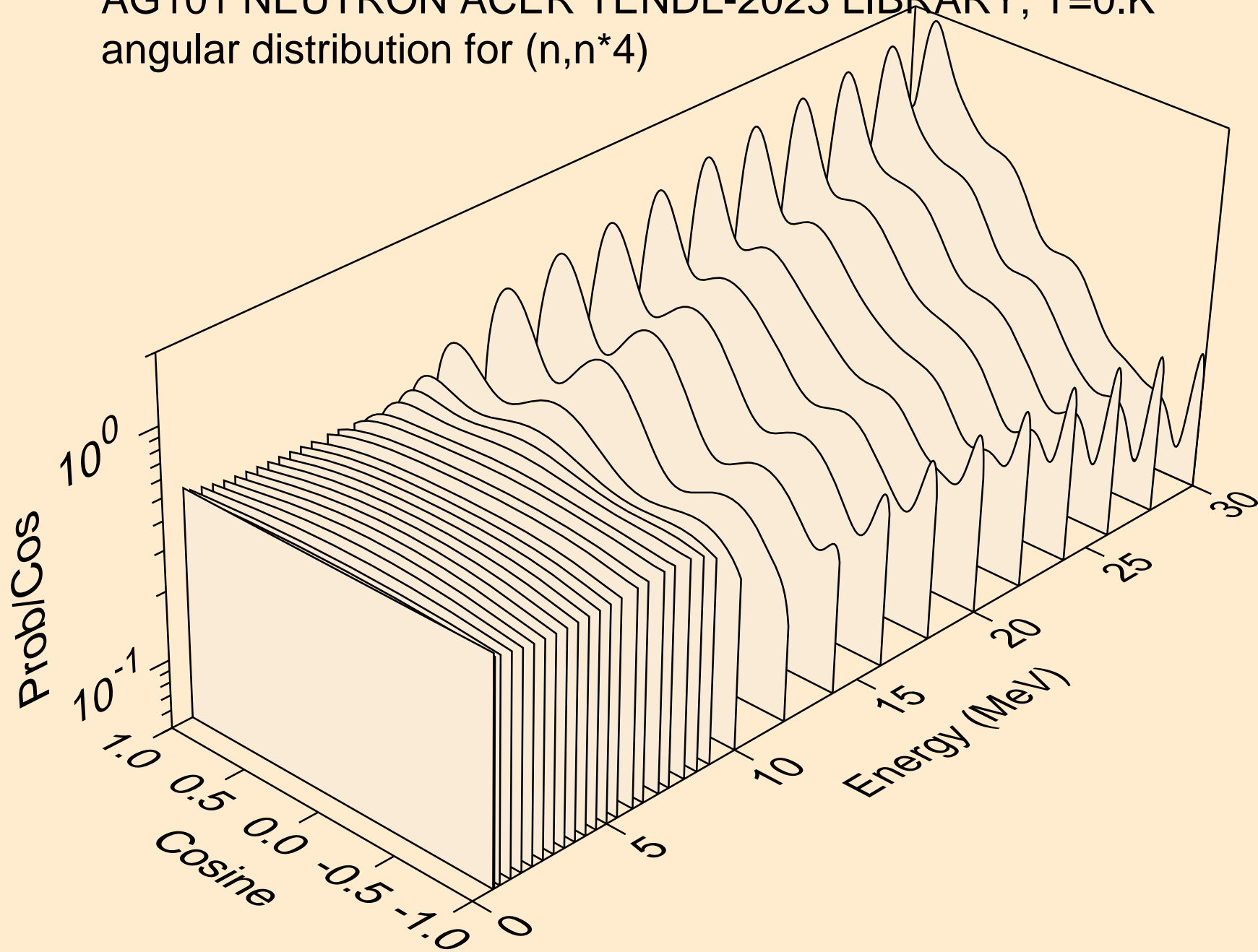




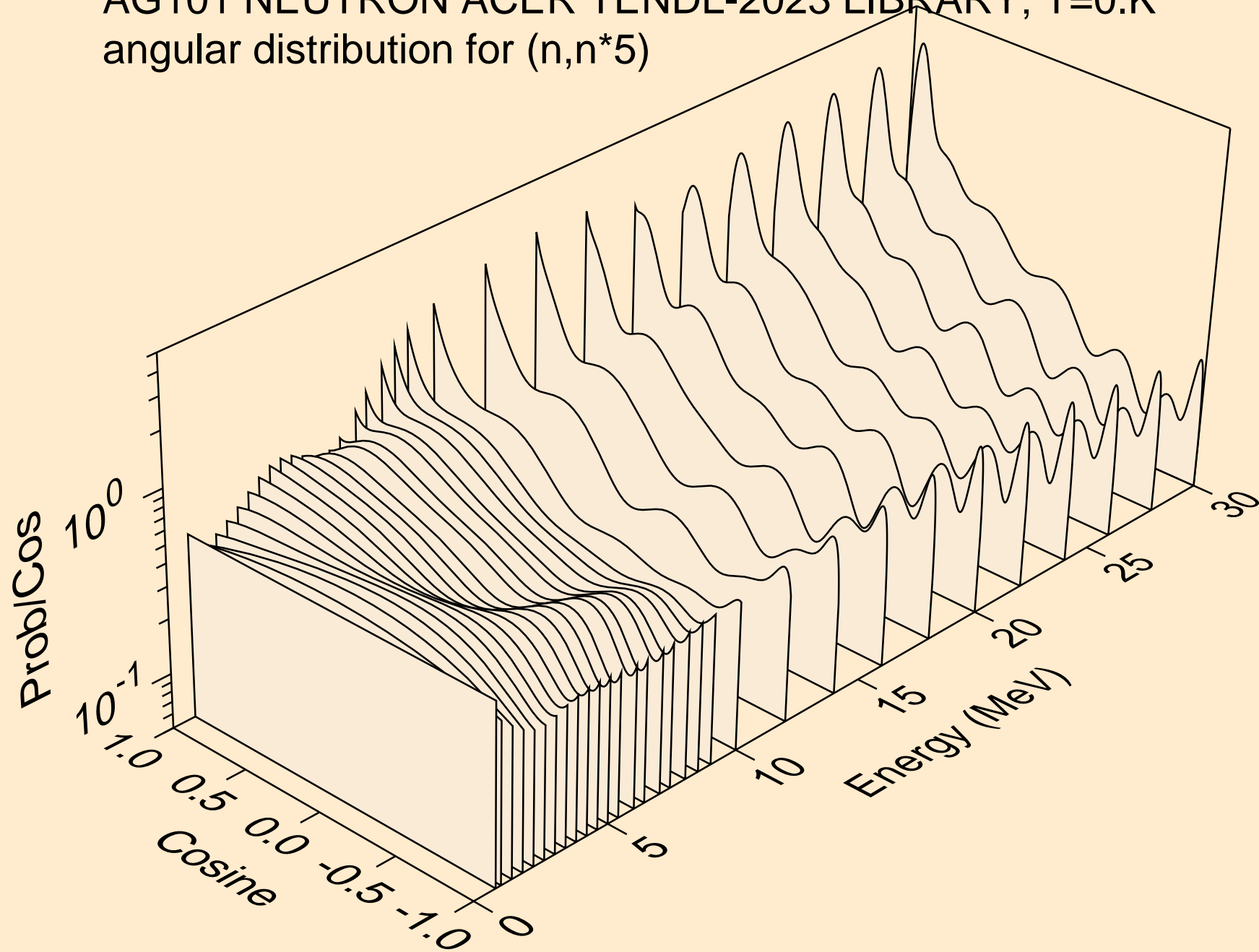
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angular distribution for (n,n\*3)



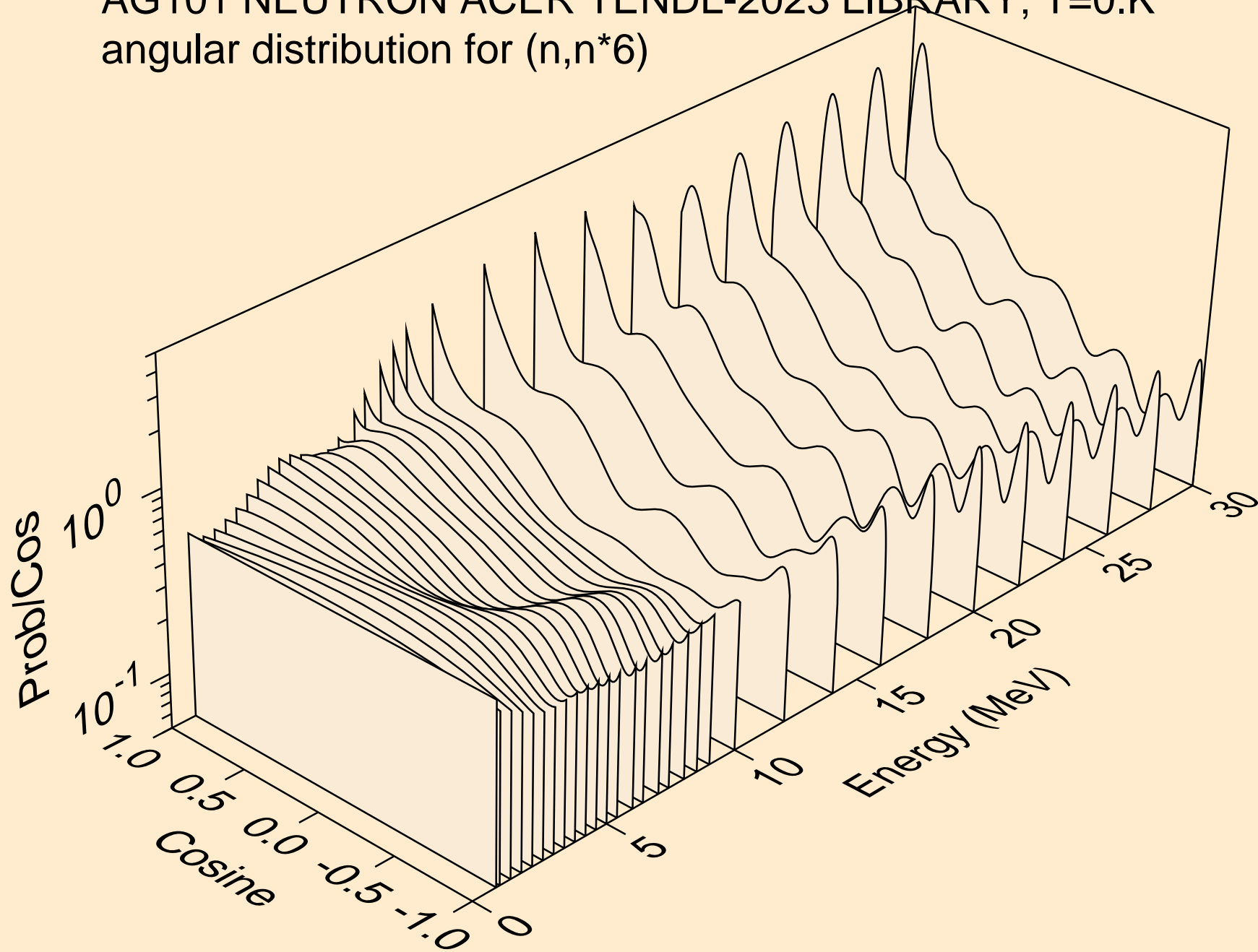
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angular distribution for (n,n\*4)



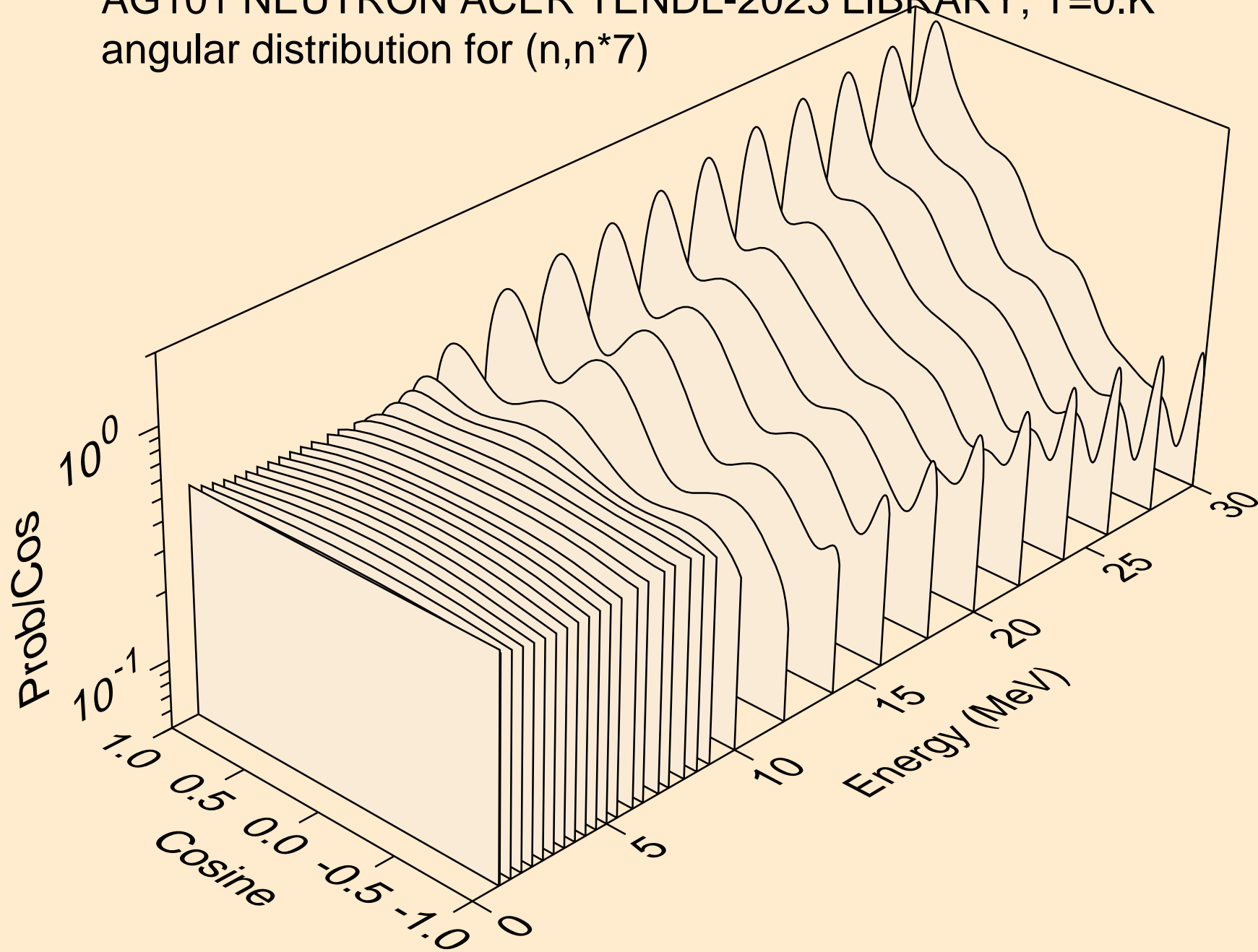
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angular distribution for (n,n\*5)



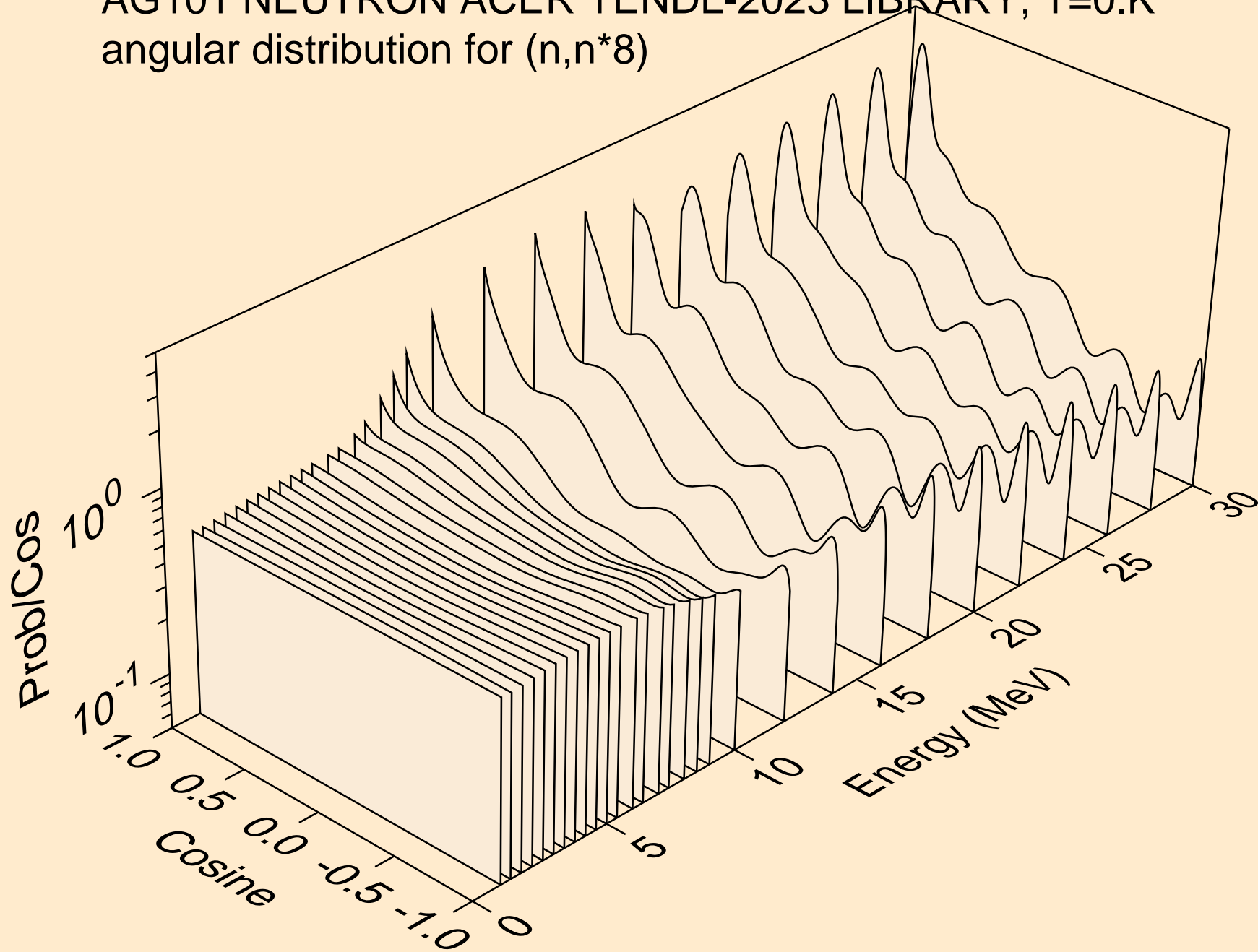
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angular distribution for (n,n\*6)



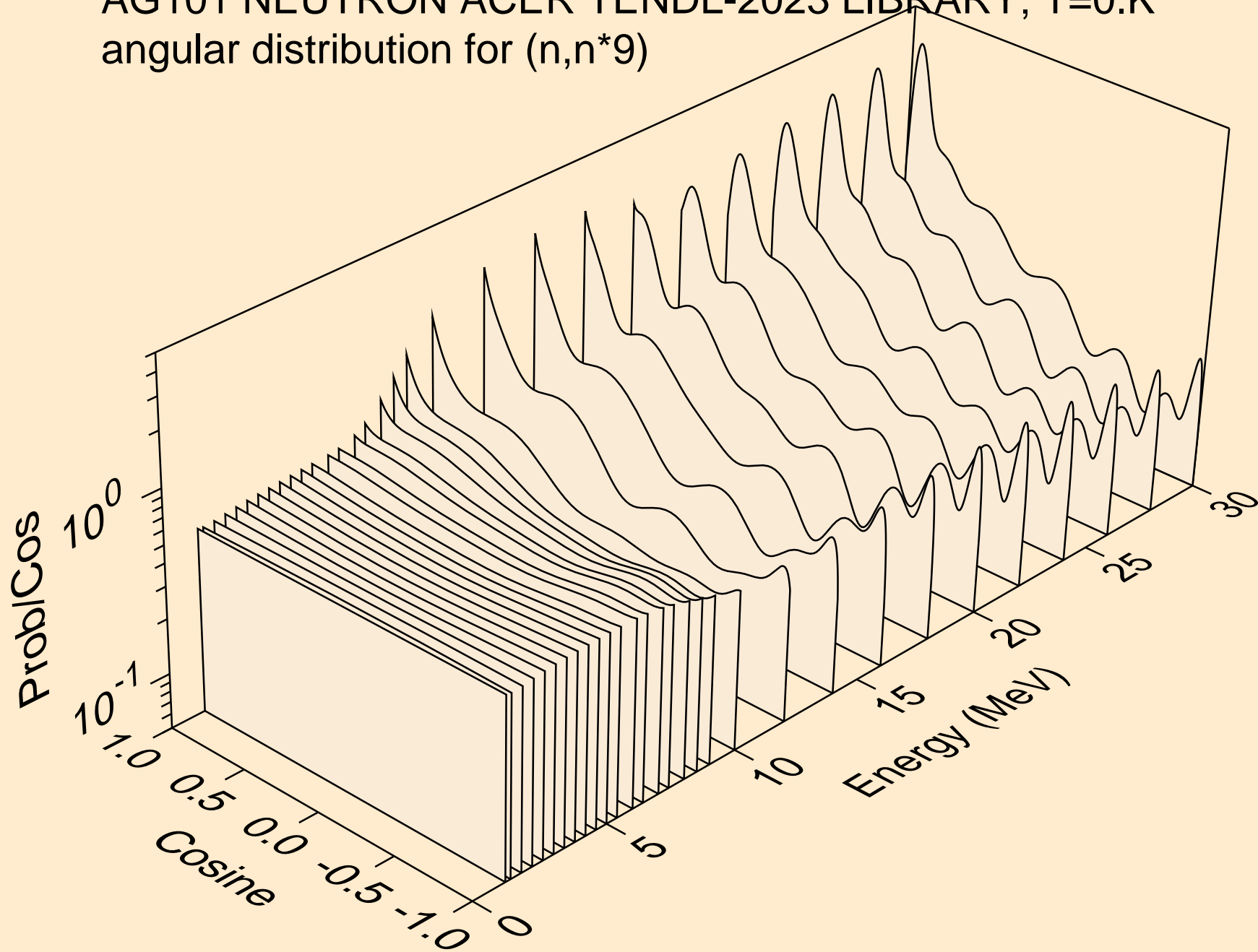
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angular distribution for (n,n\*7)



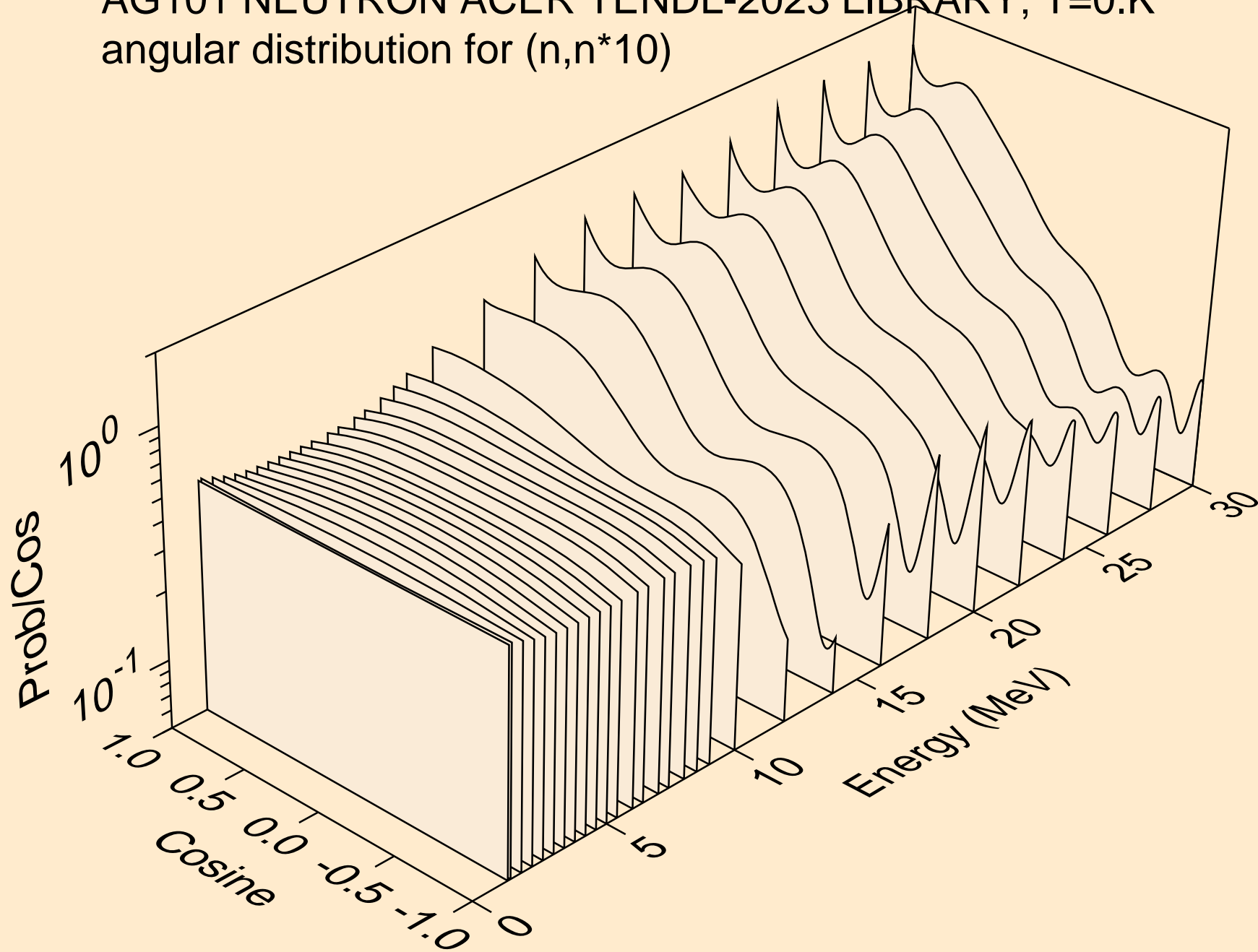
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

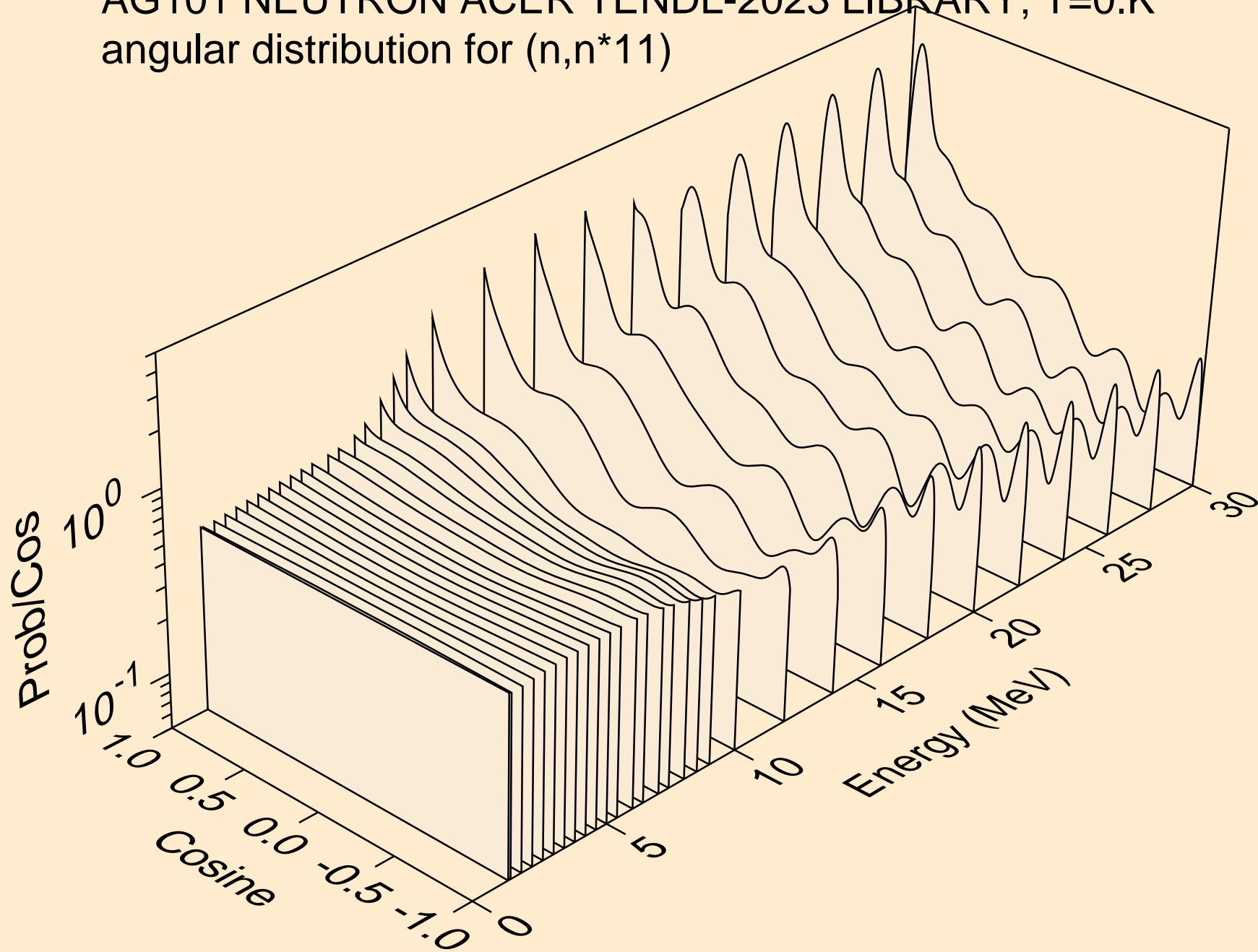


AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

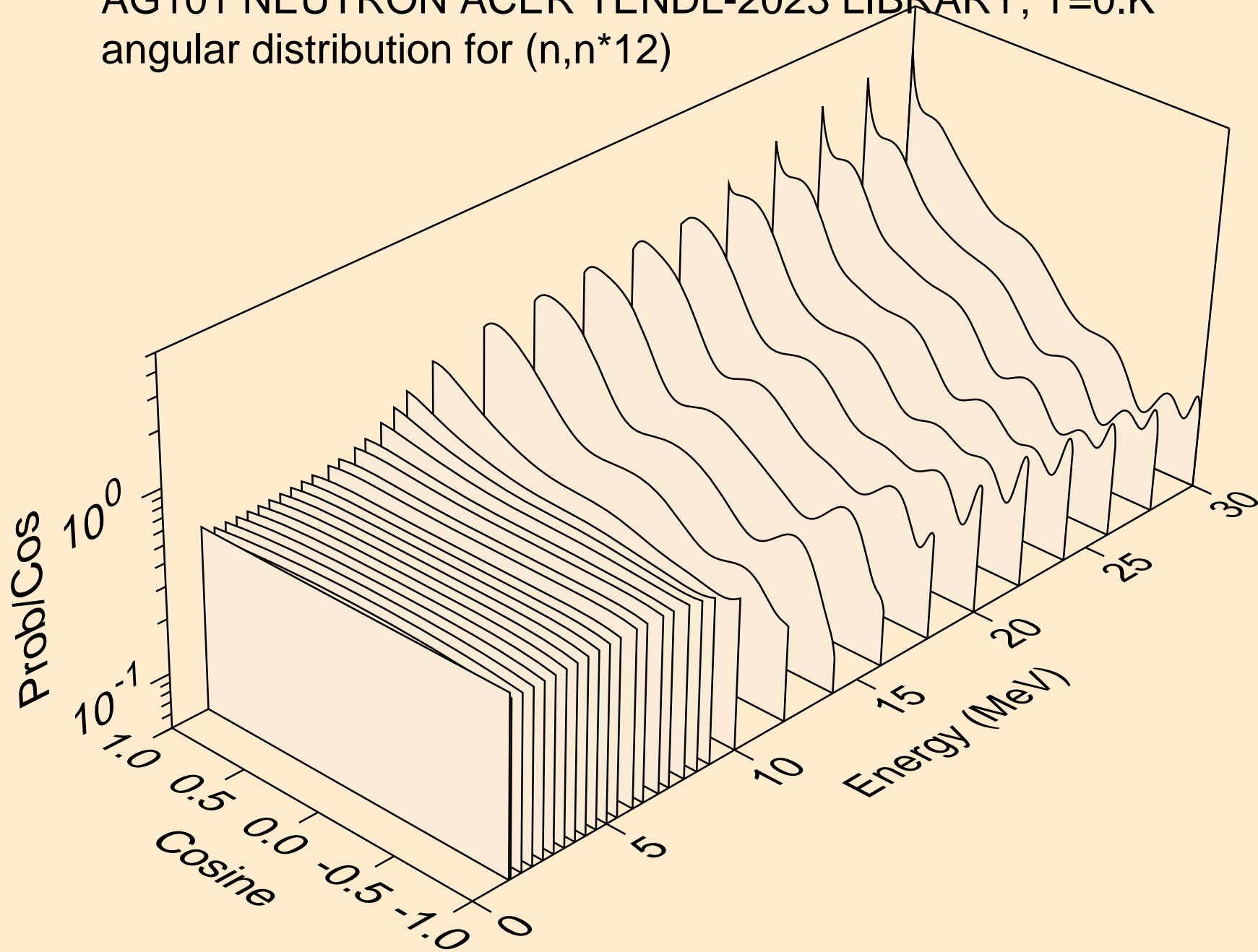




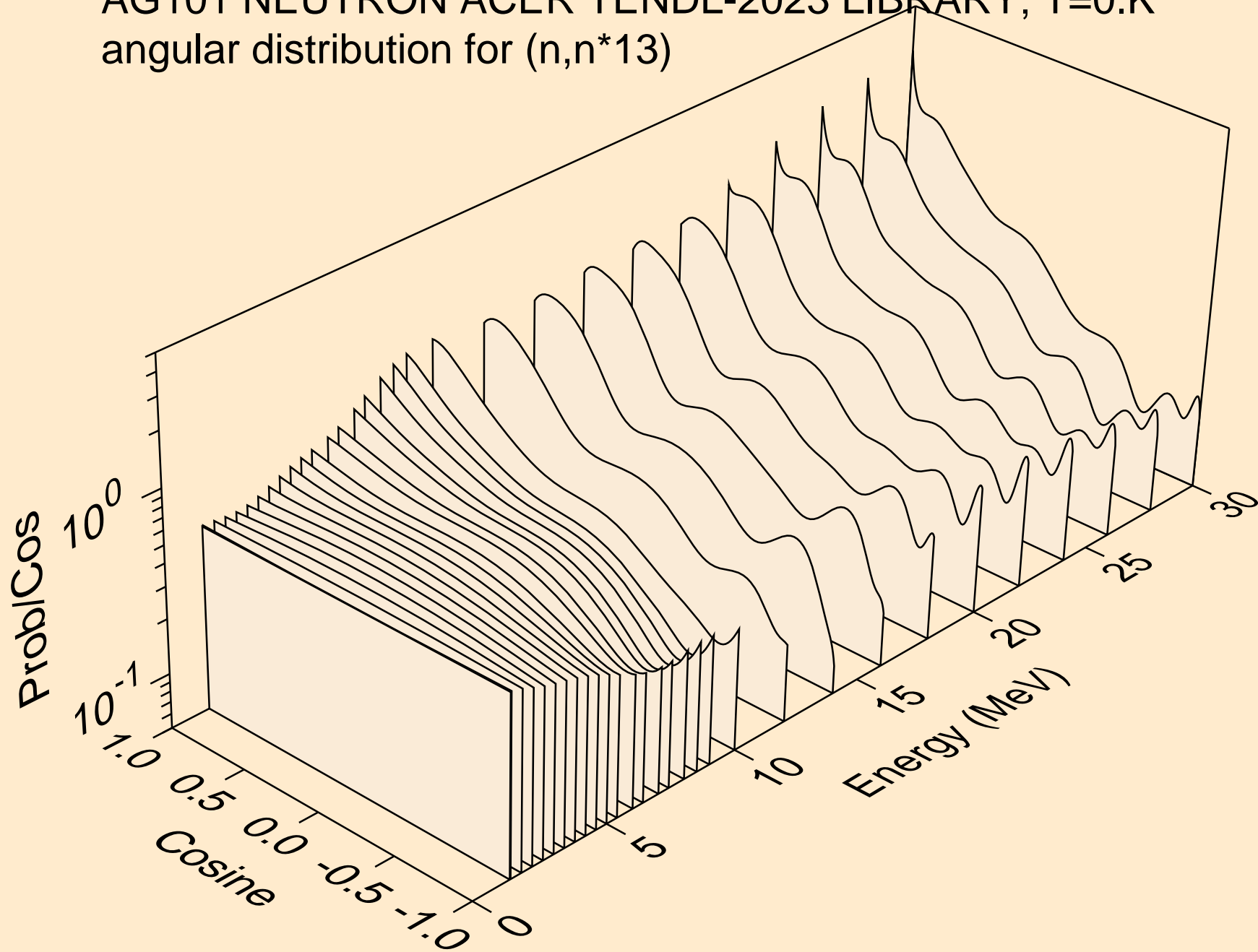
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angular distribution for (n,n\*11)



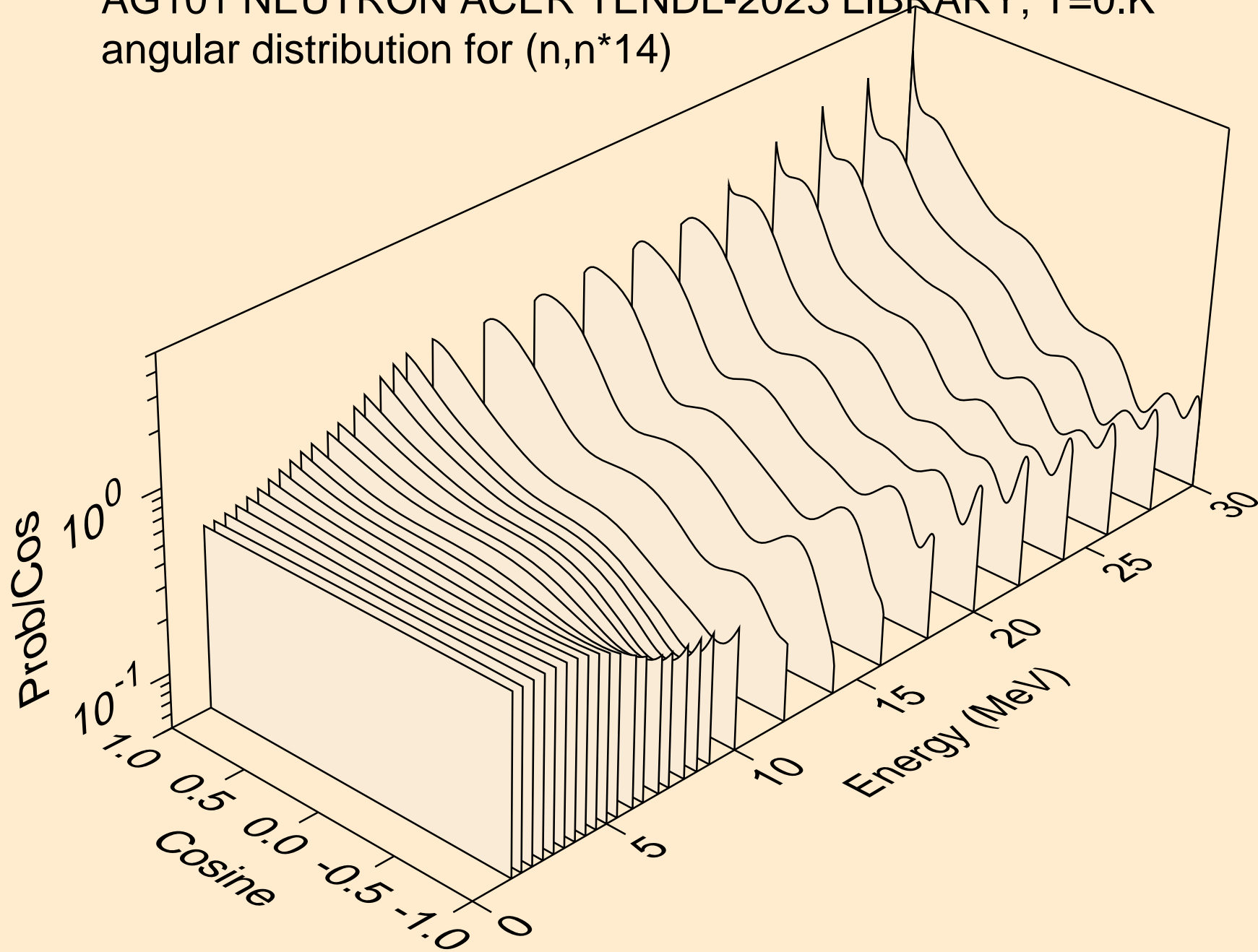
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angular distribution for (n,n\*12)



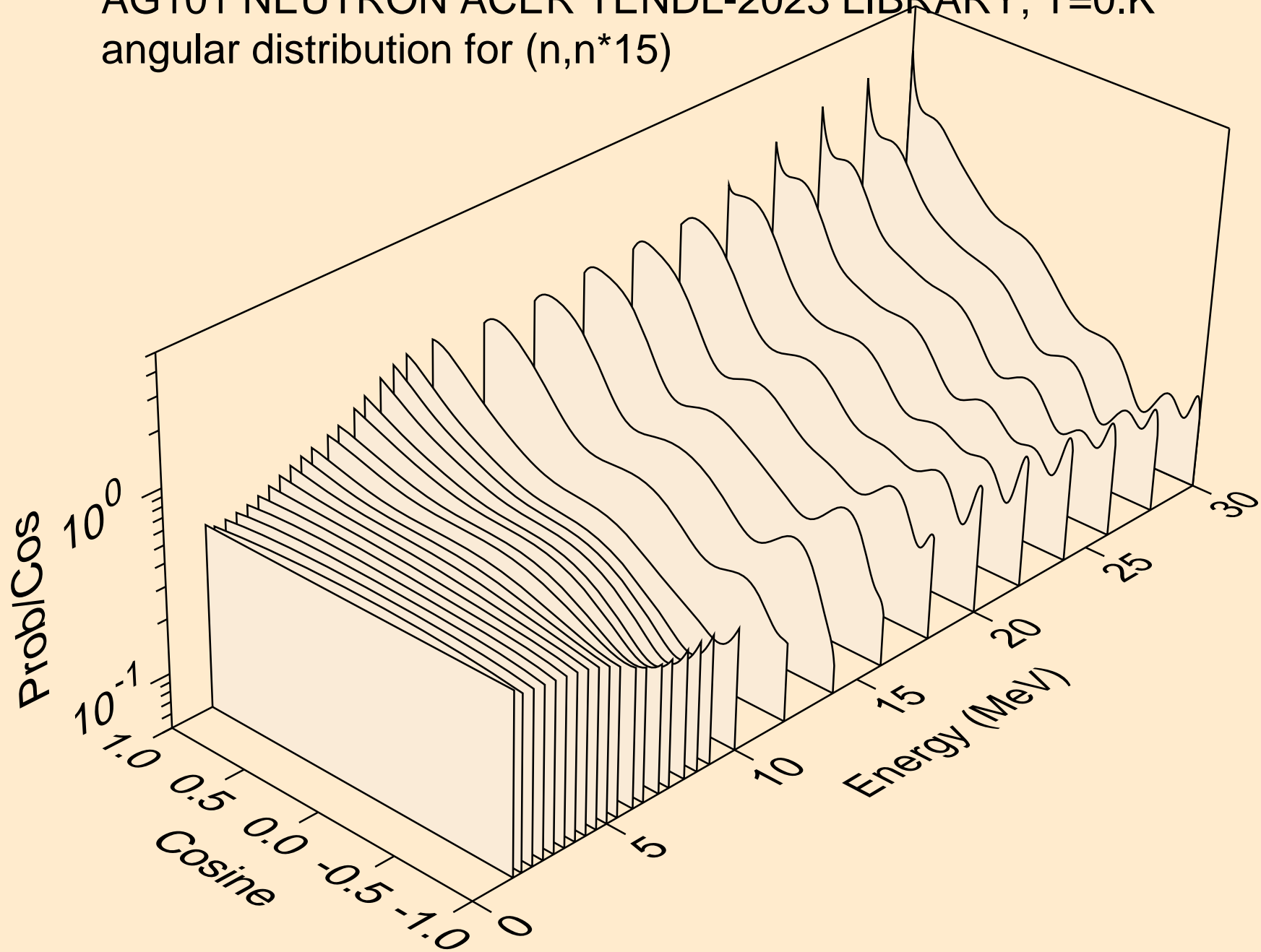
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angular distribution for (n,n\*13)



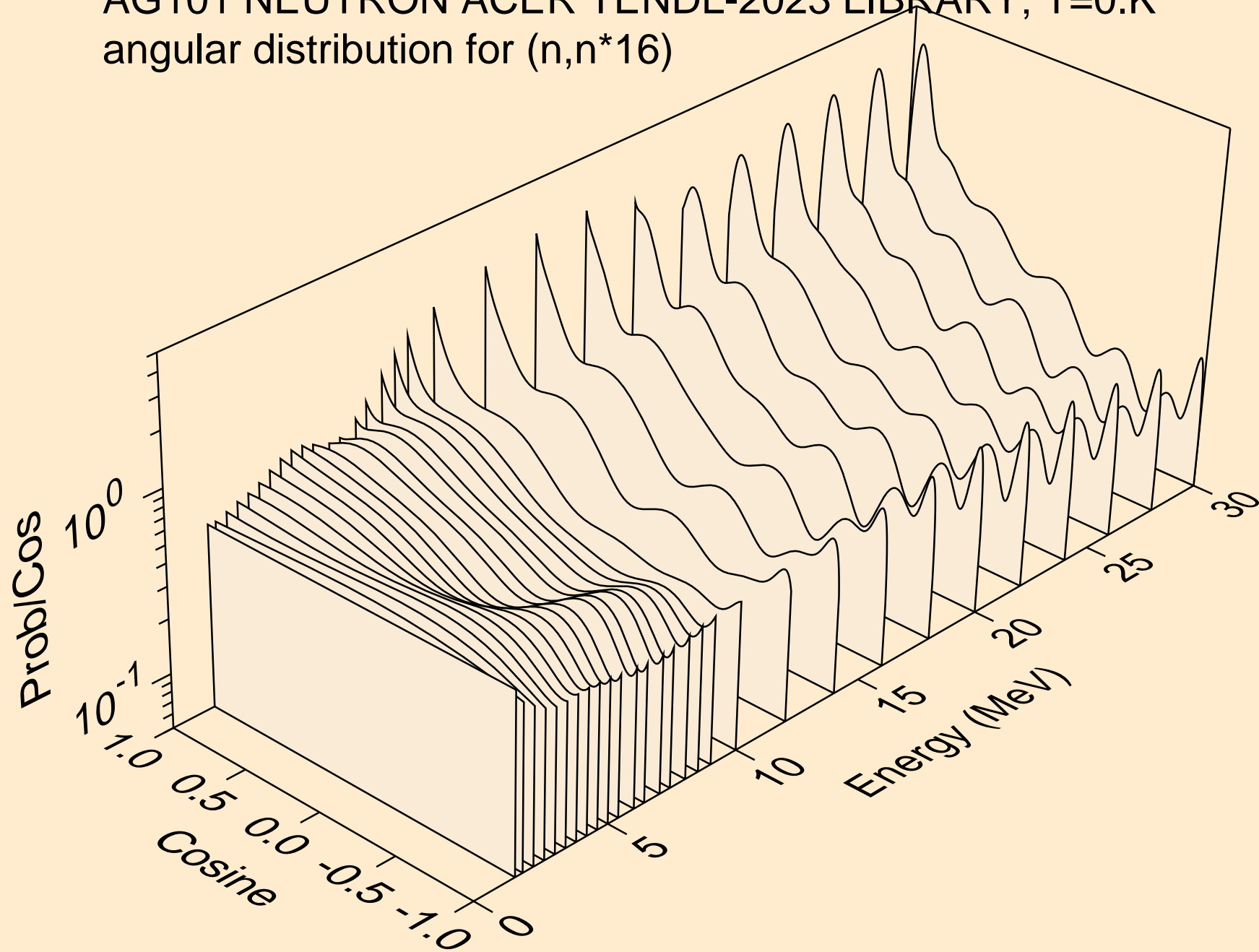
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angular distribution for (n,n\*14)



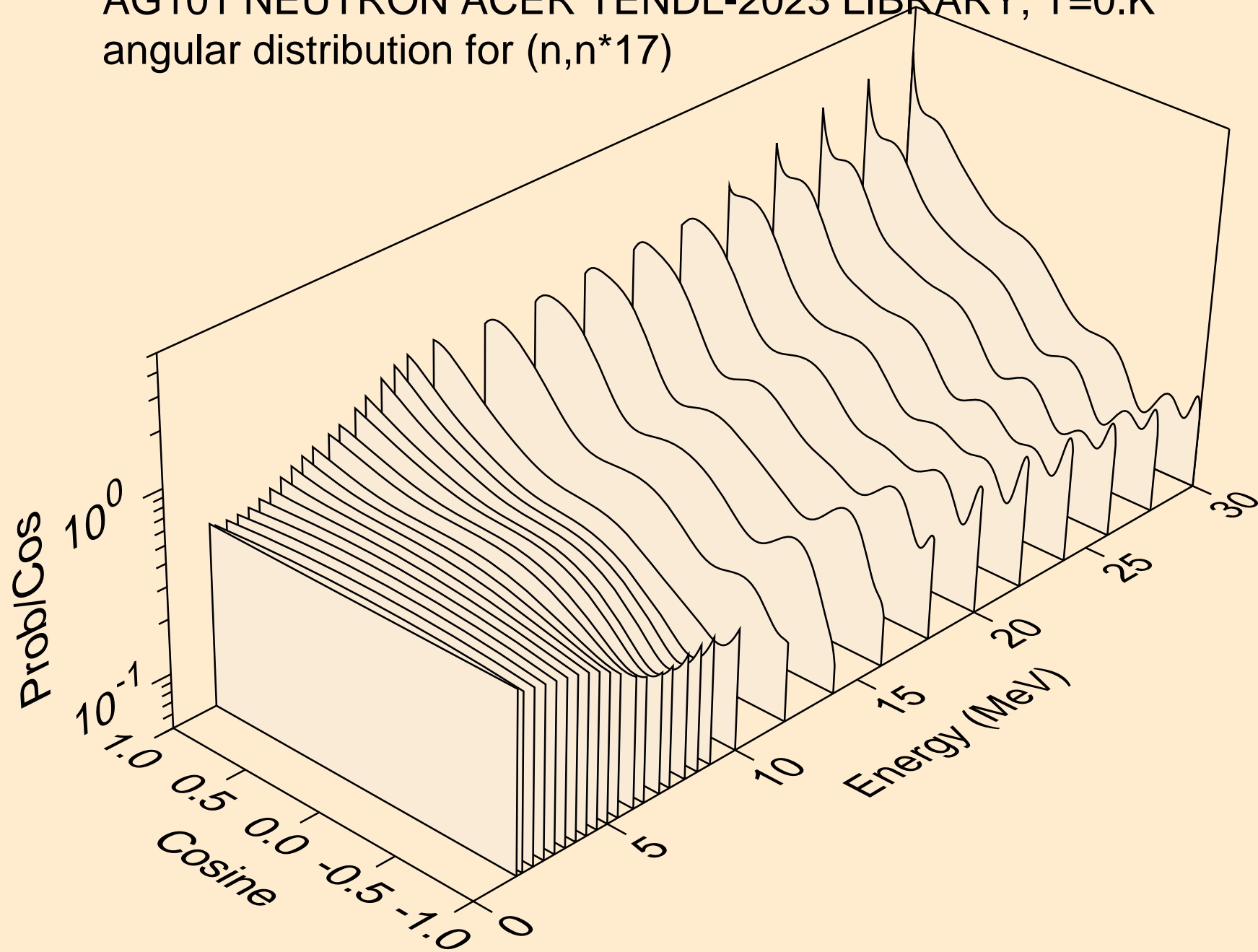
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angular distribution for (n,n\*15)



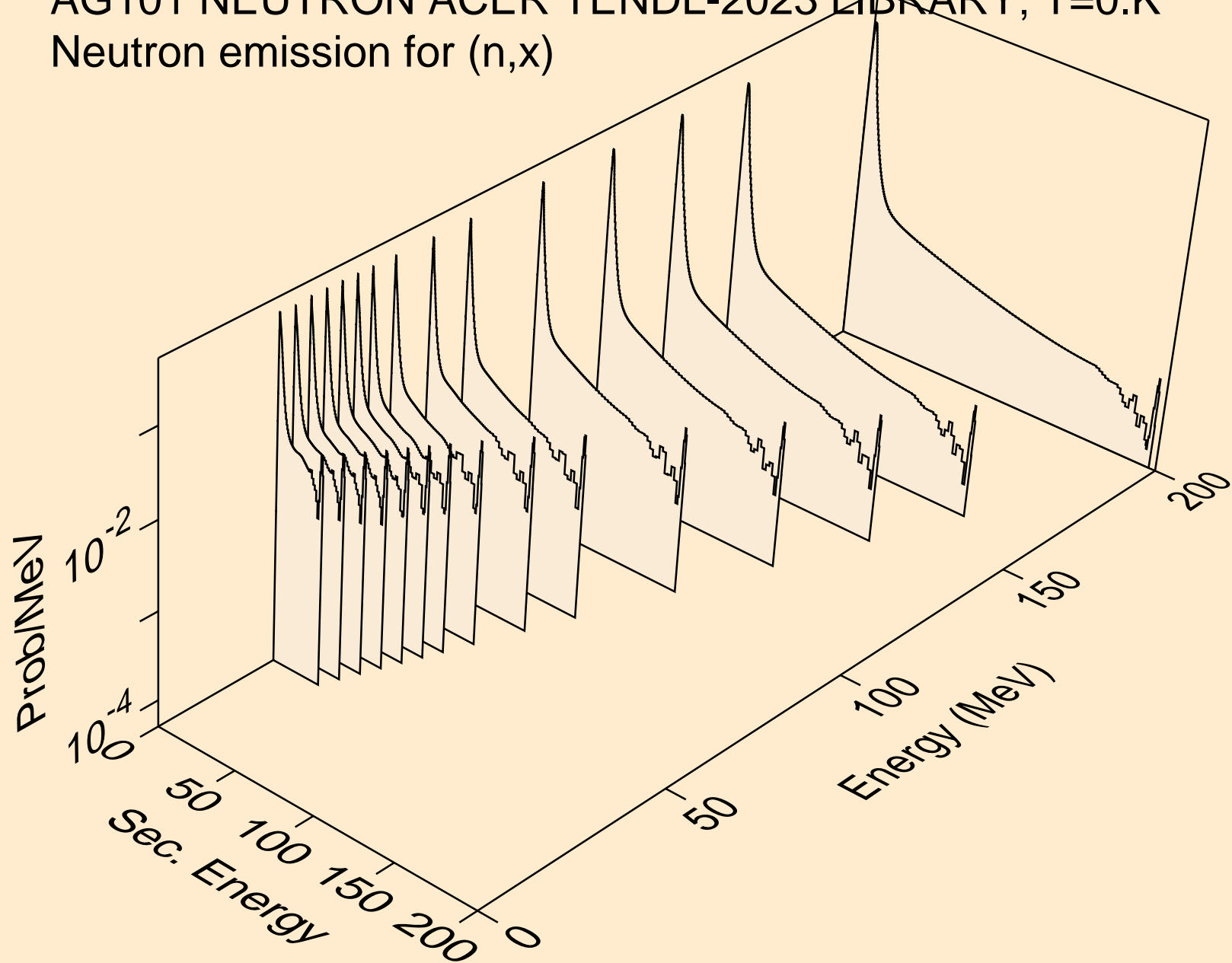
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*17)

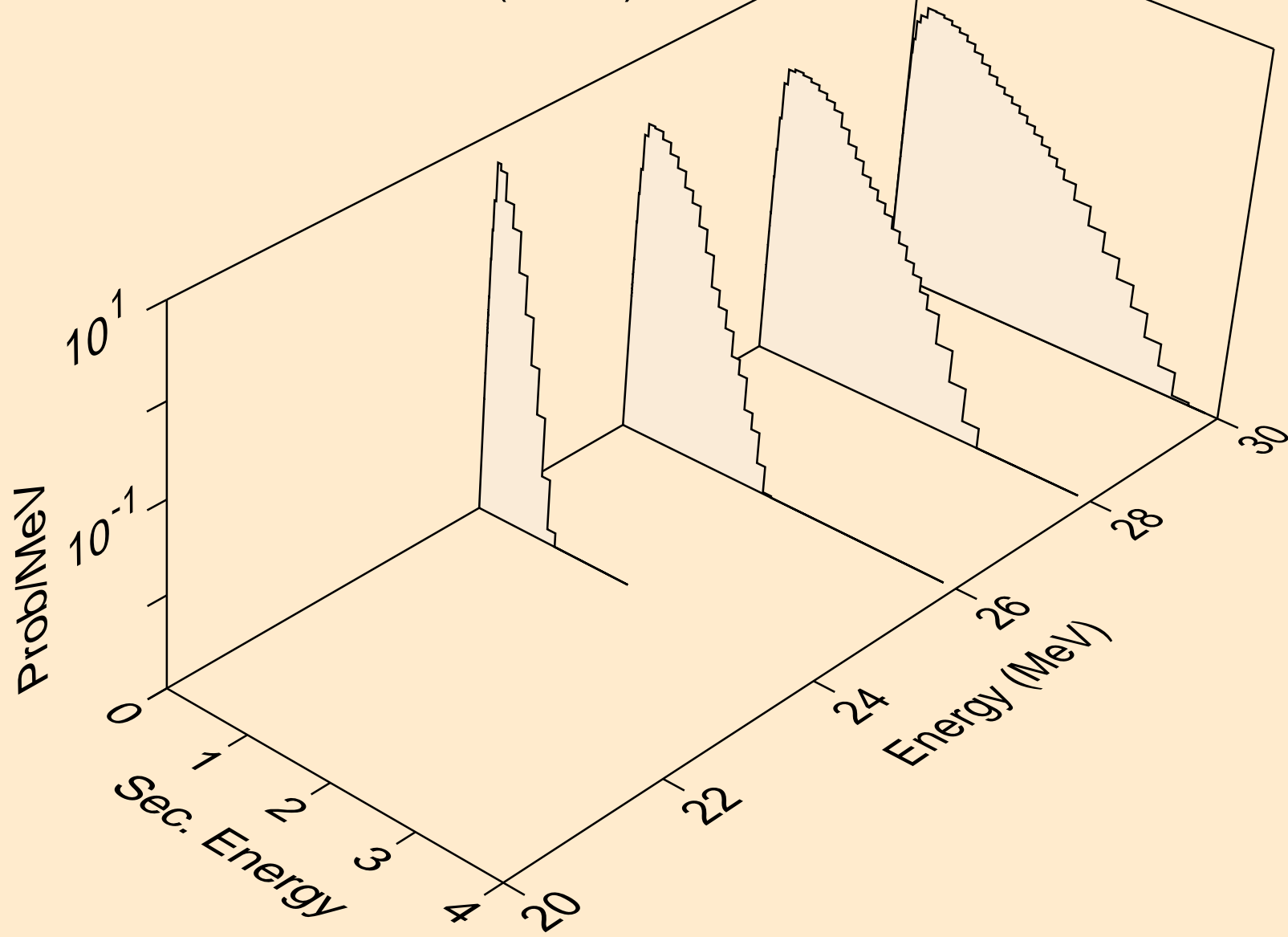


AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)

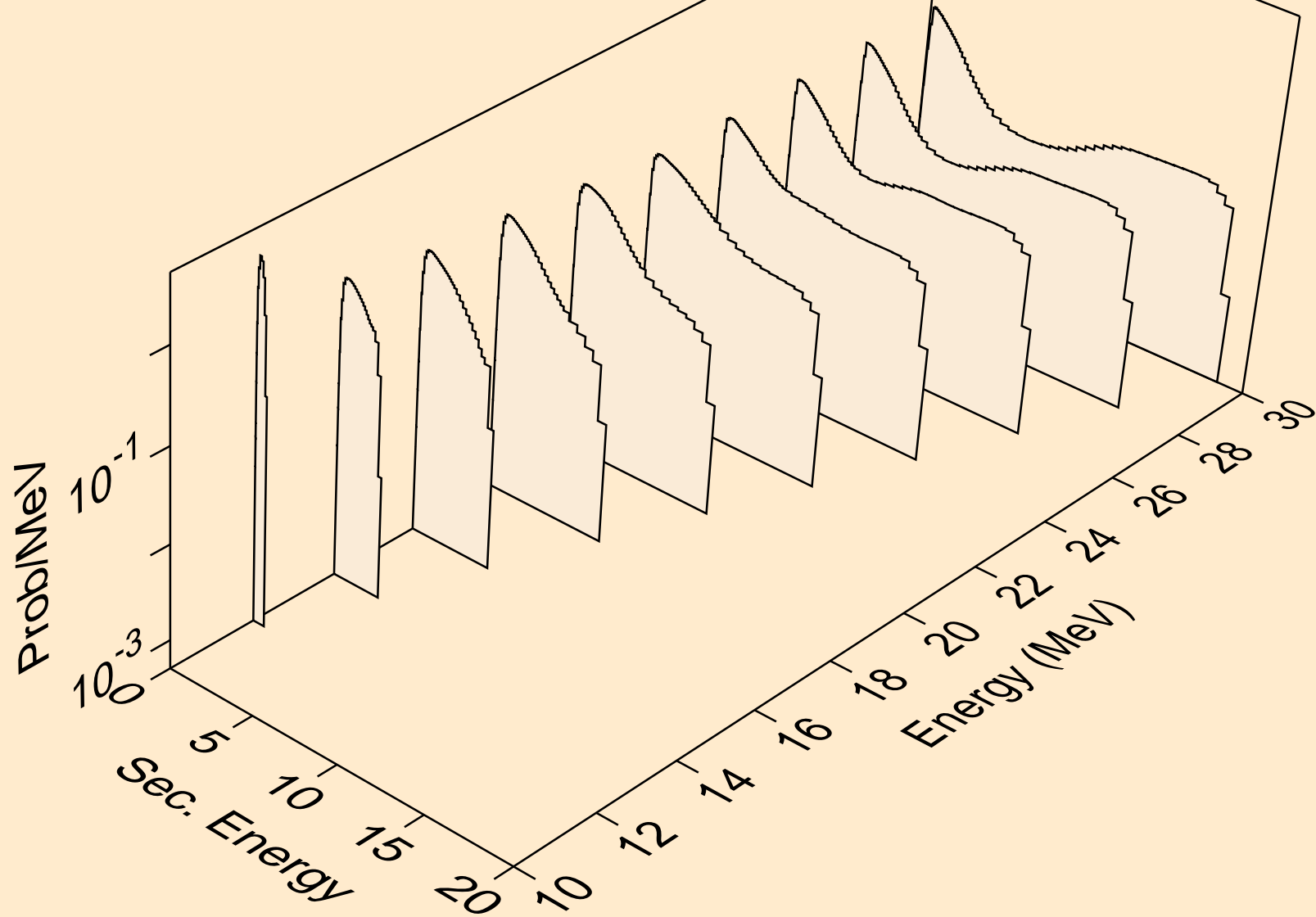




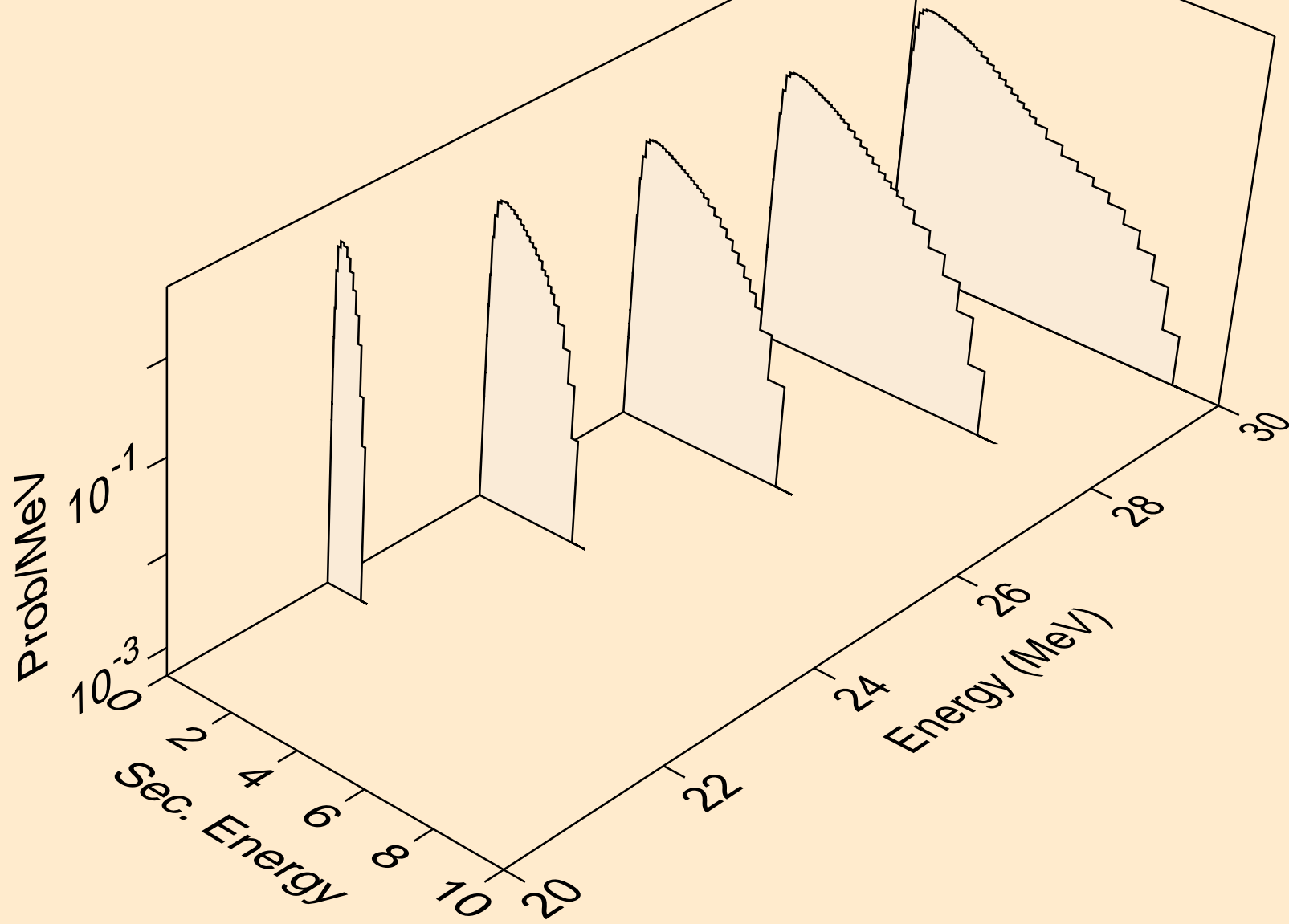
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



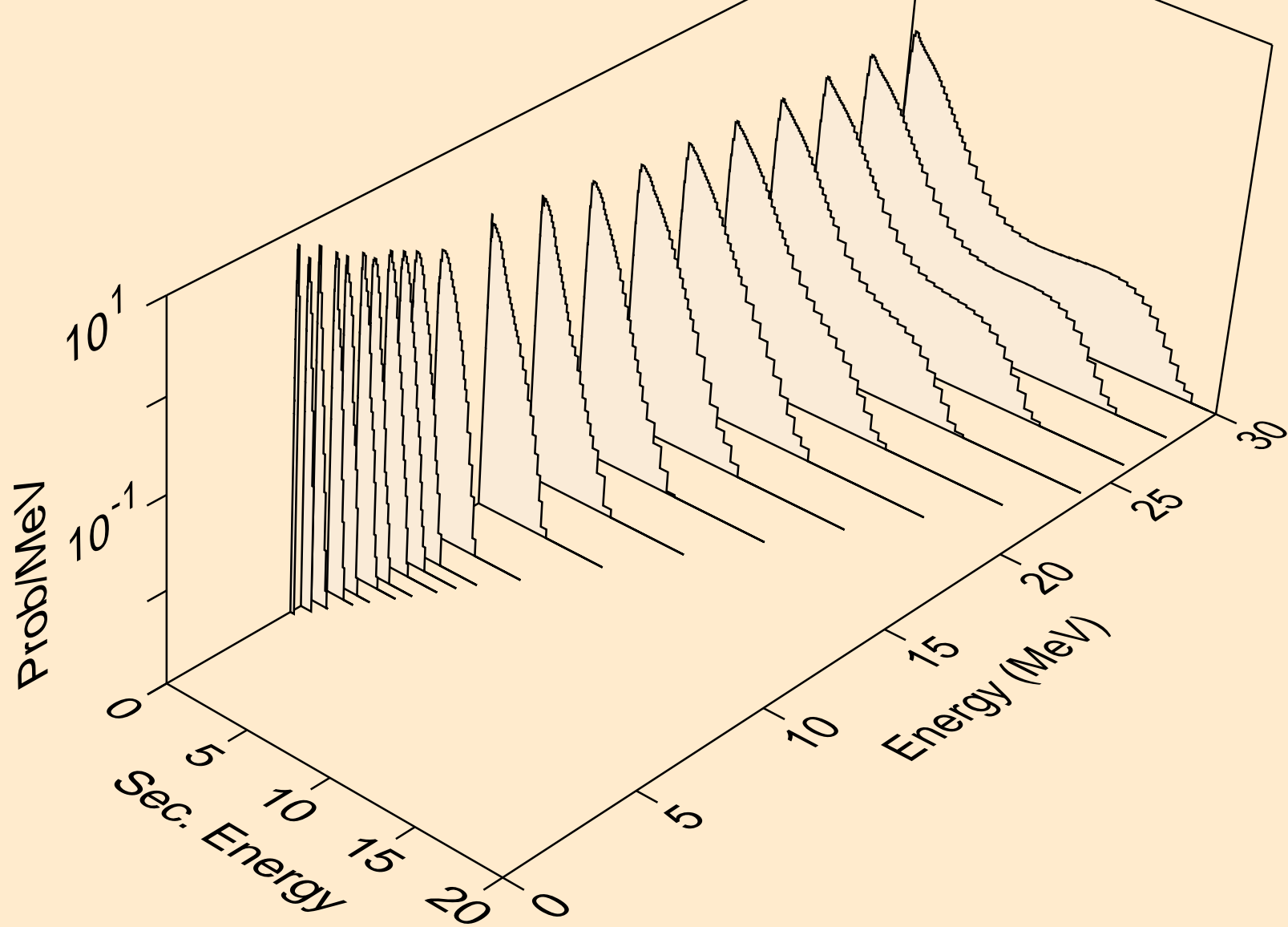
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



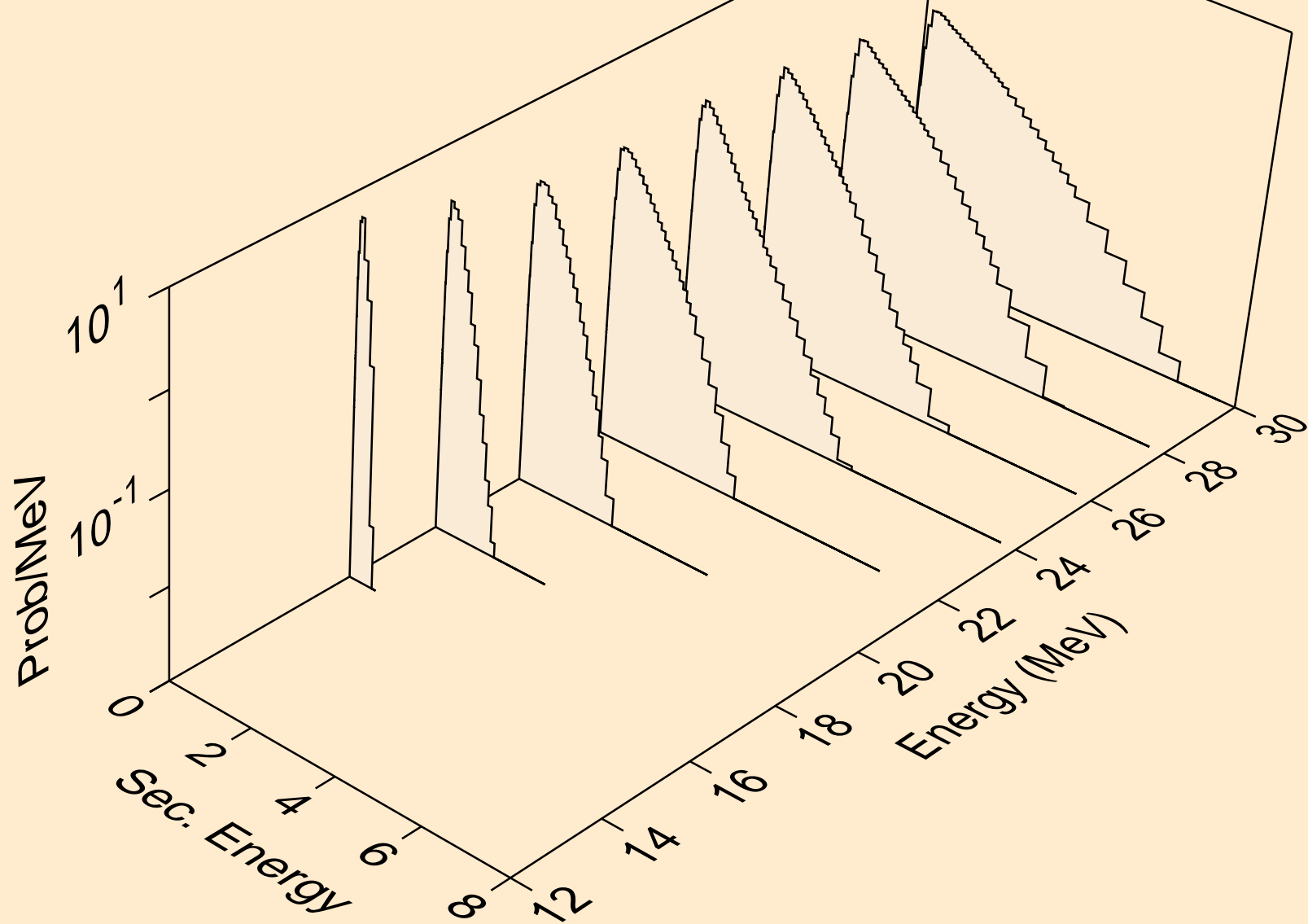
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



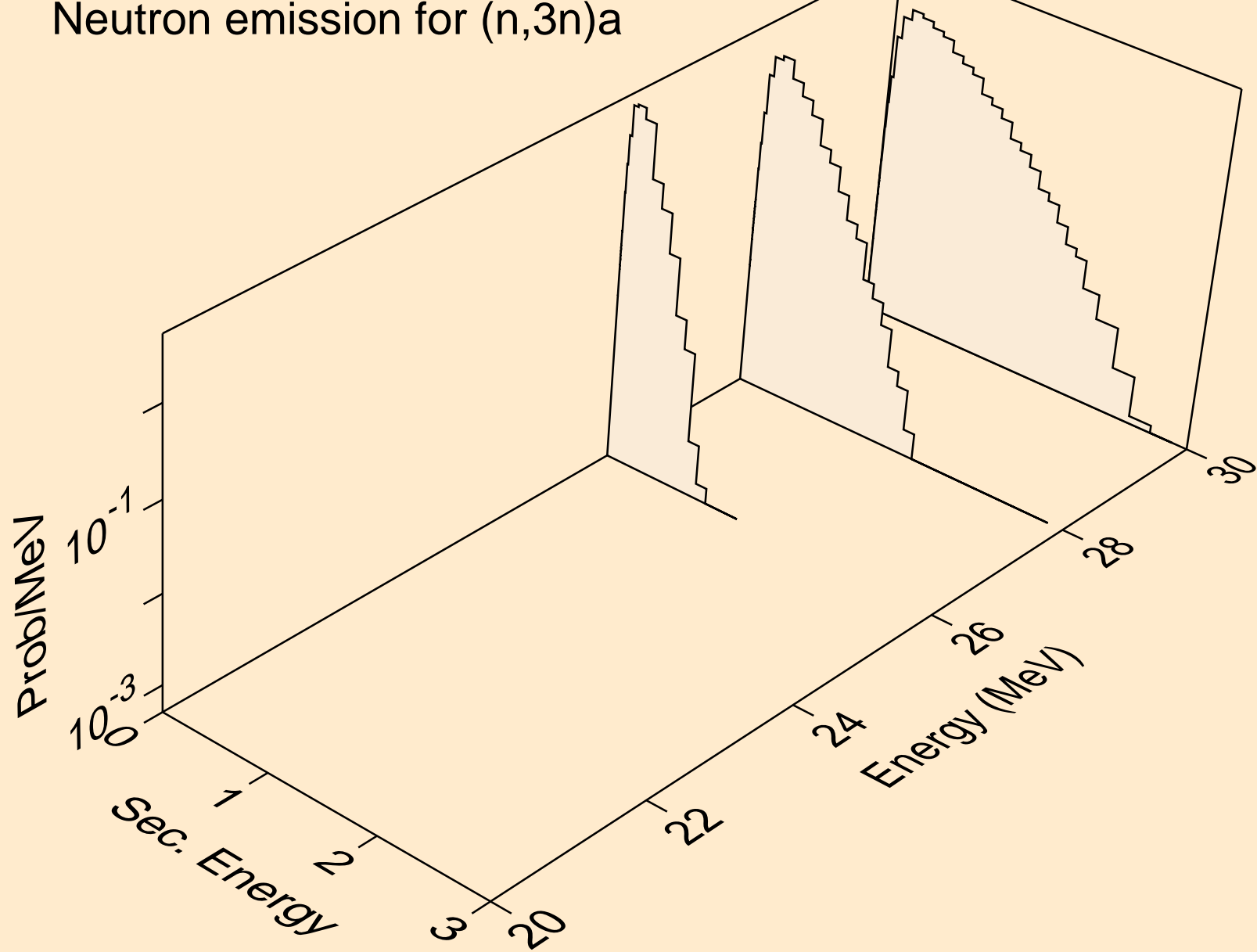
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



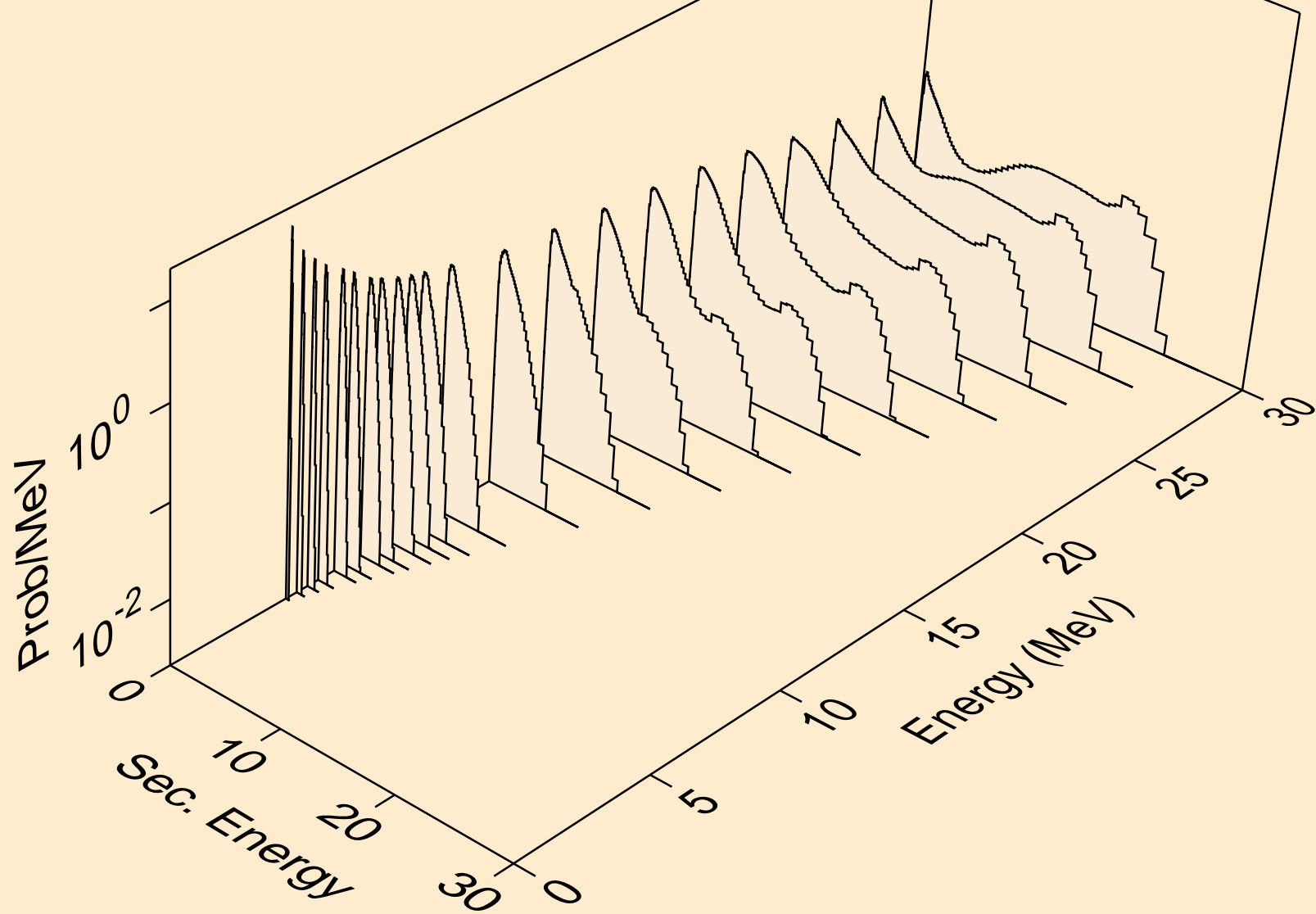
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Neutron emission for (n,2n)a



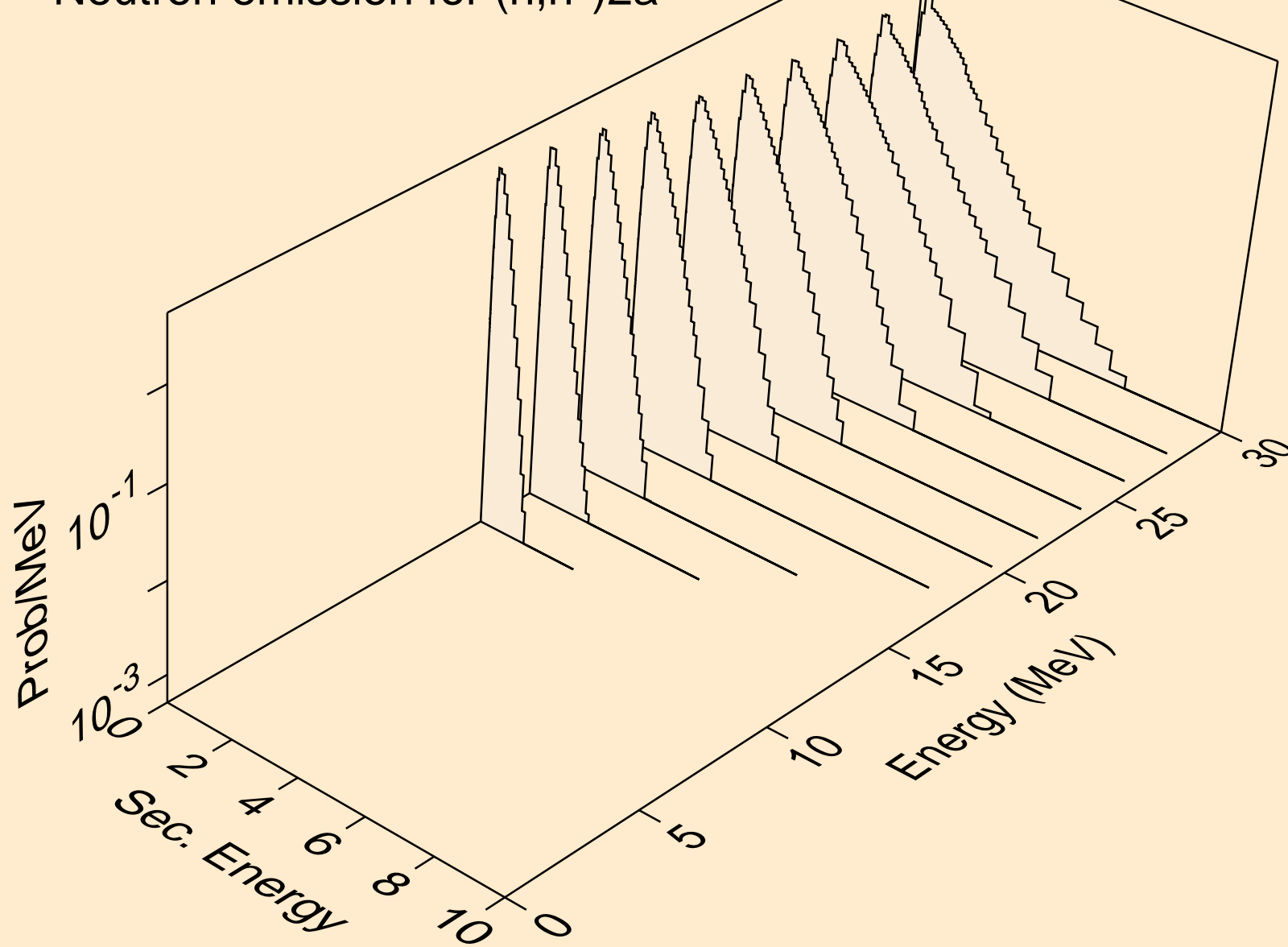
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p

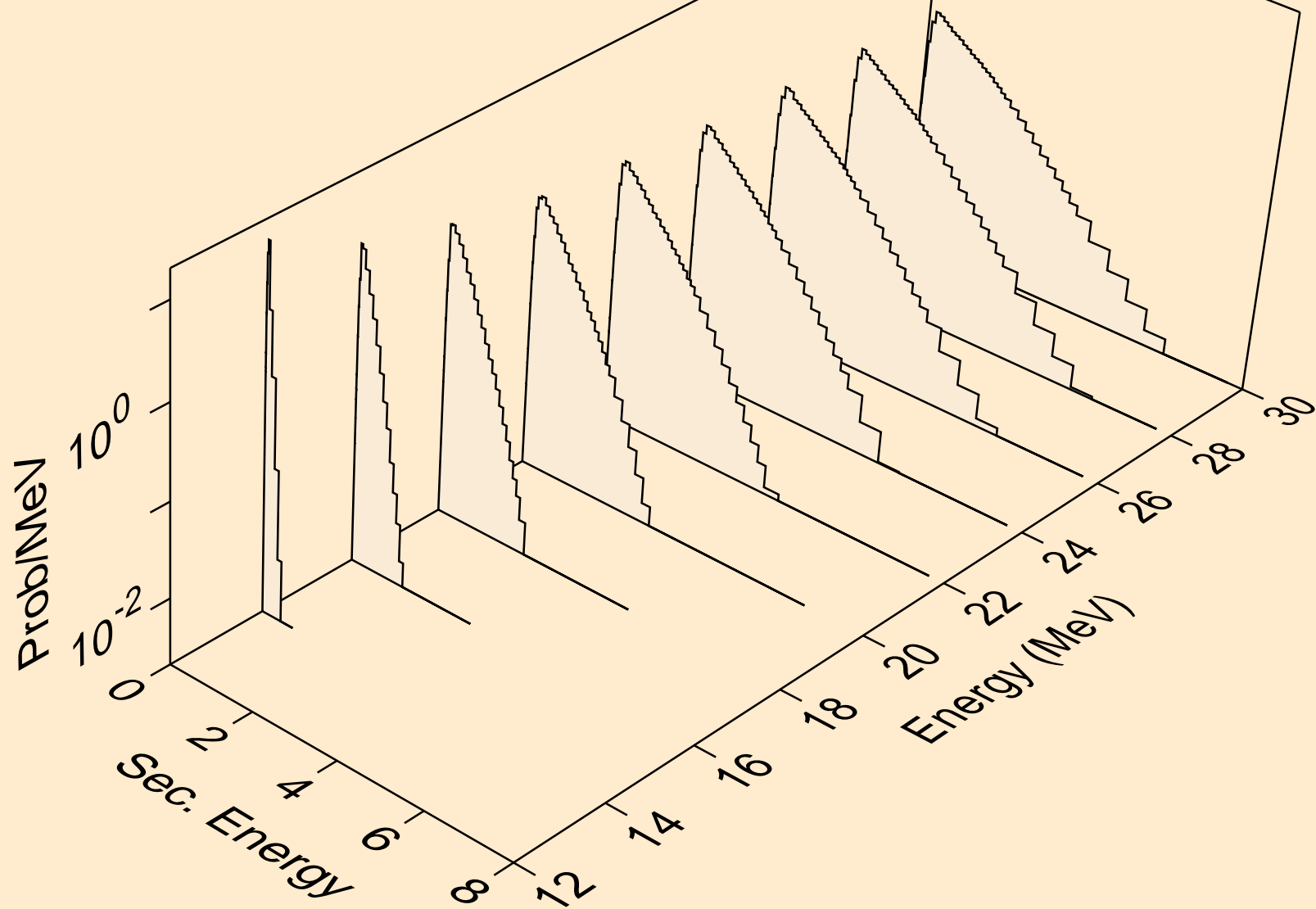


AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a

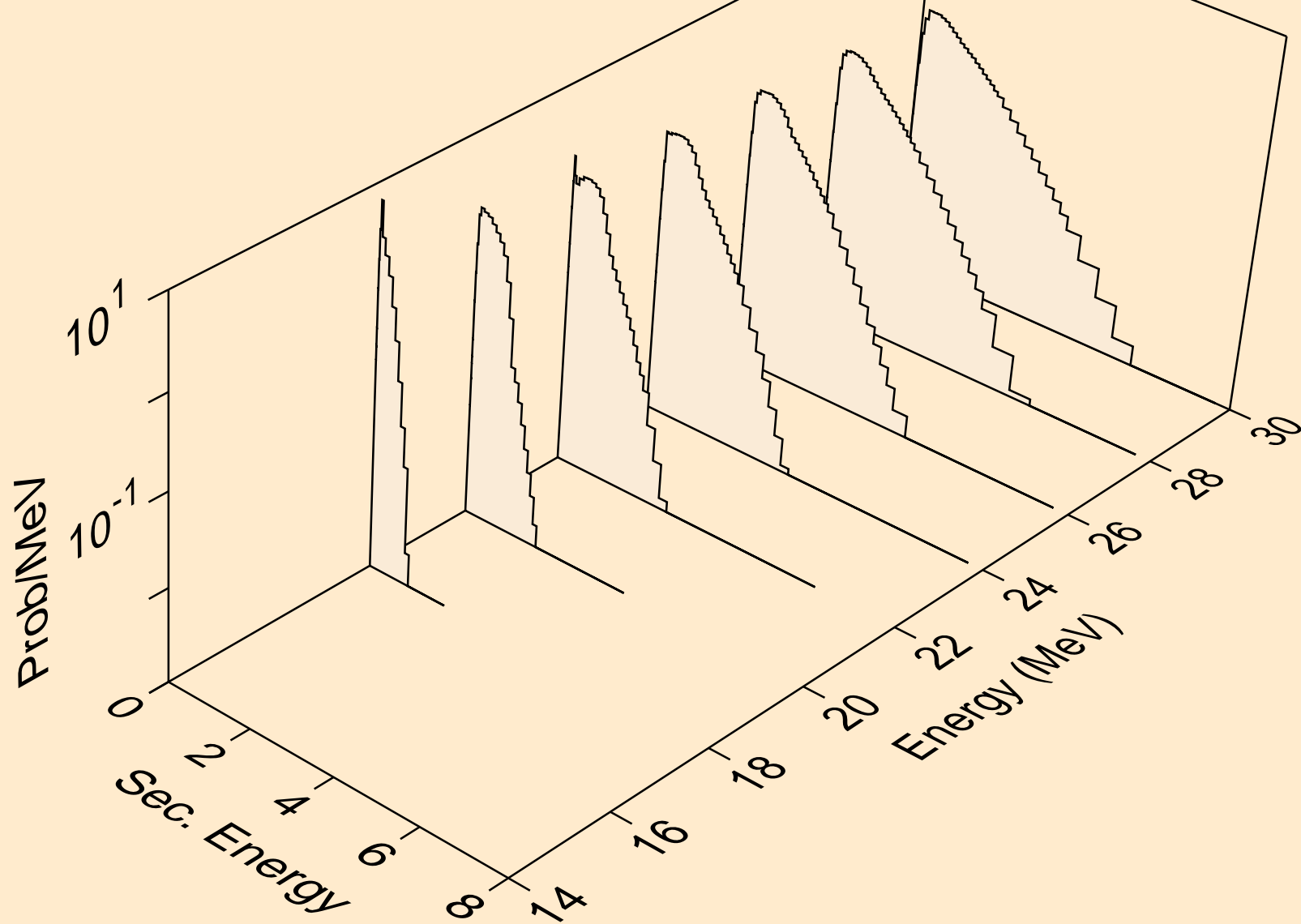




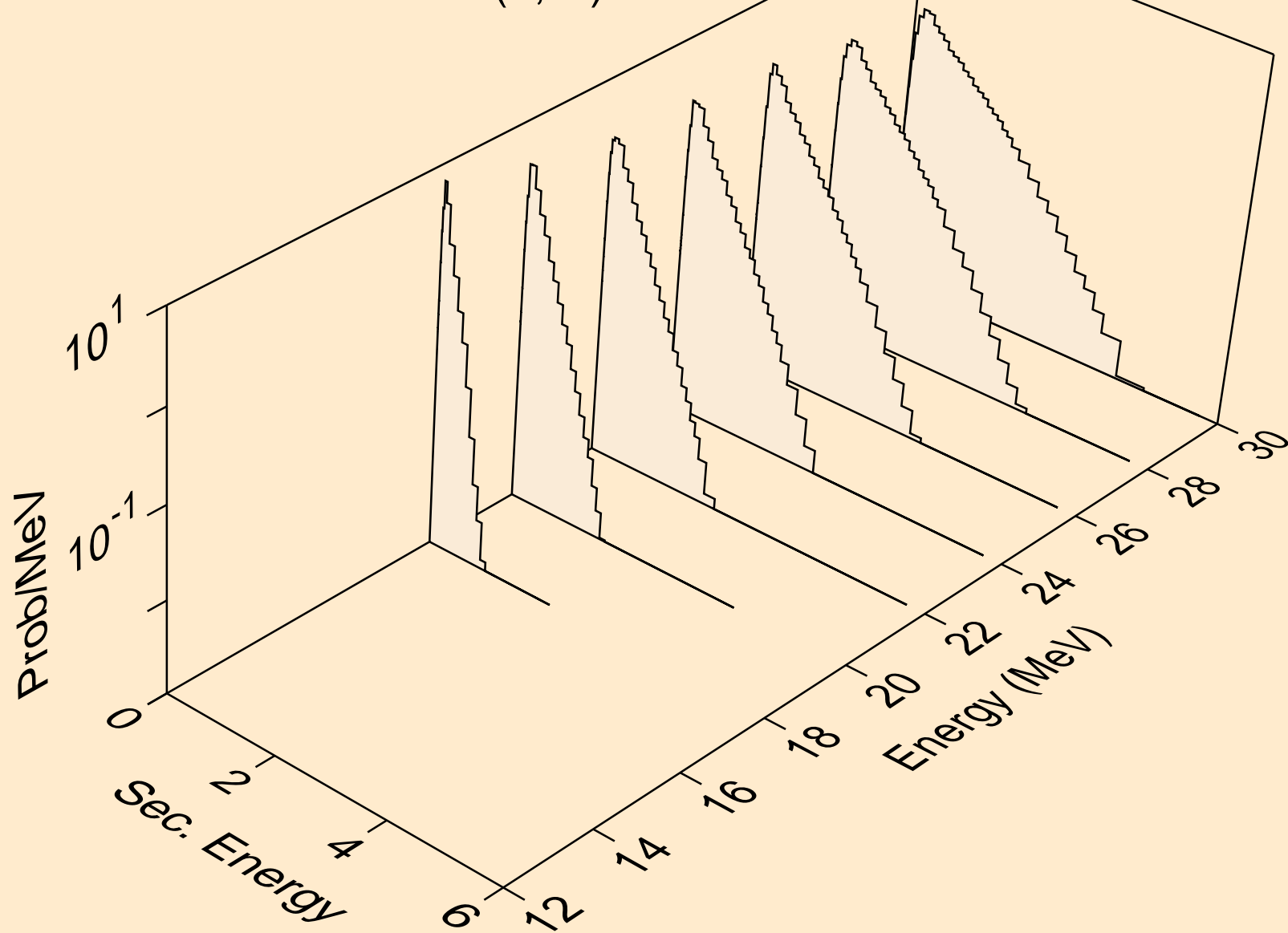
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



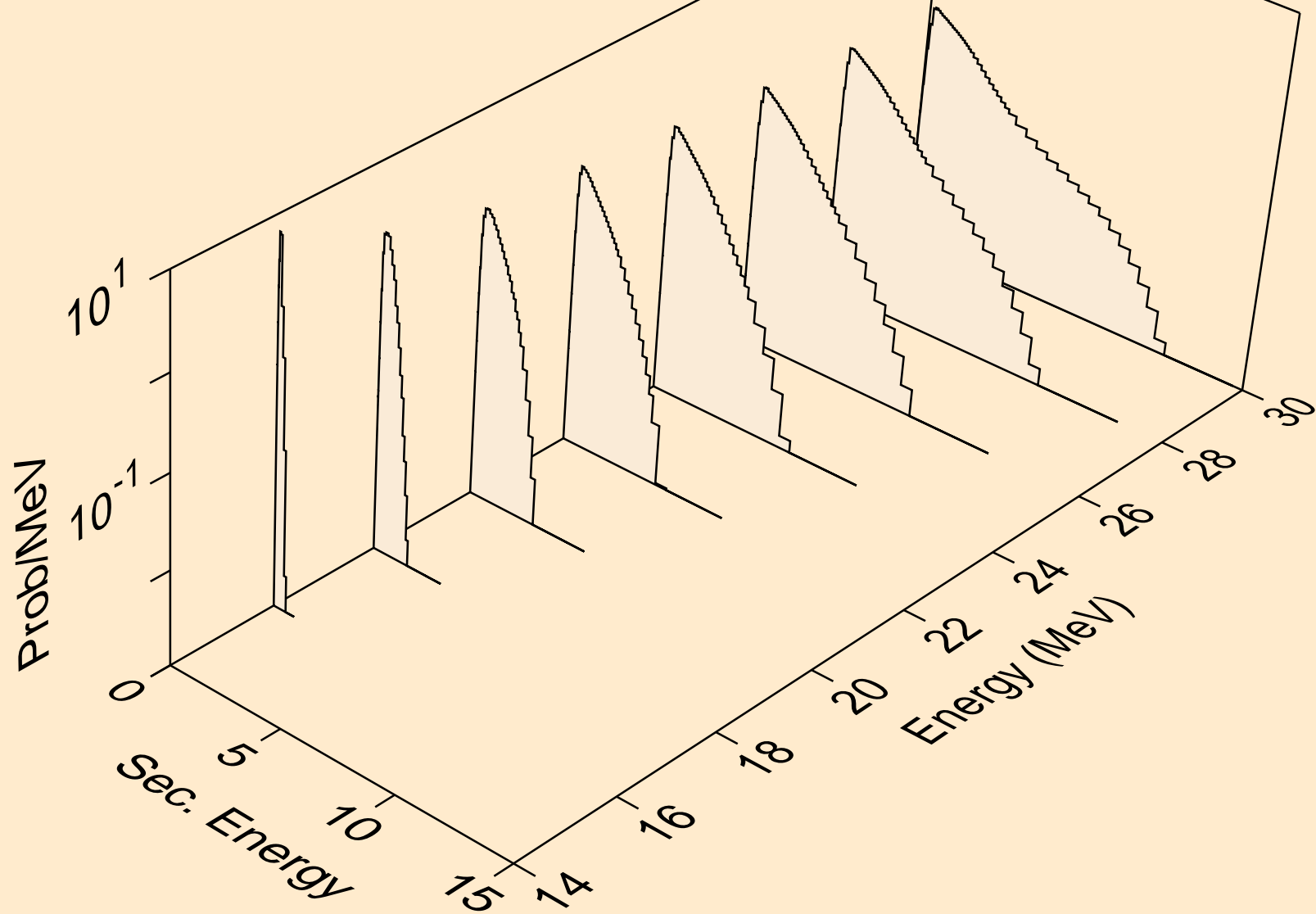
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Neutron emission for (n,n\*)t



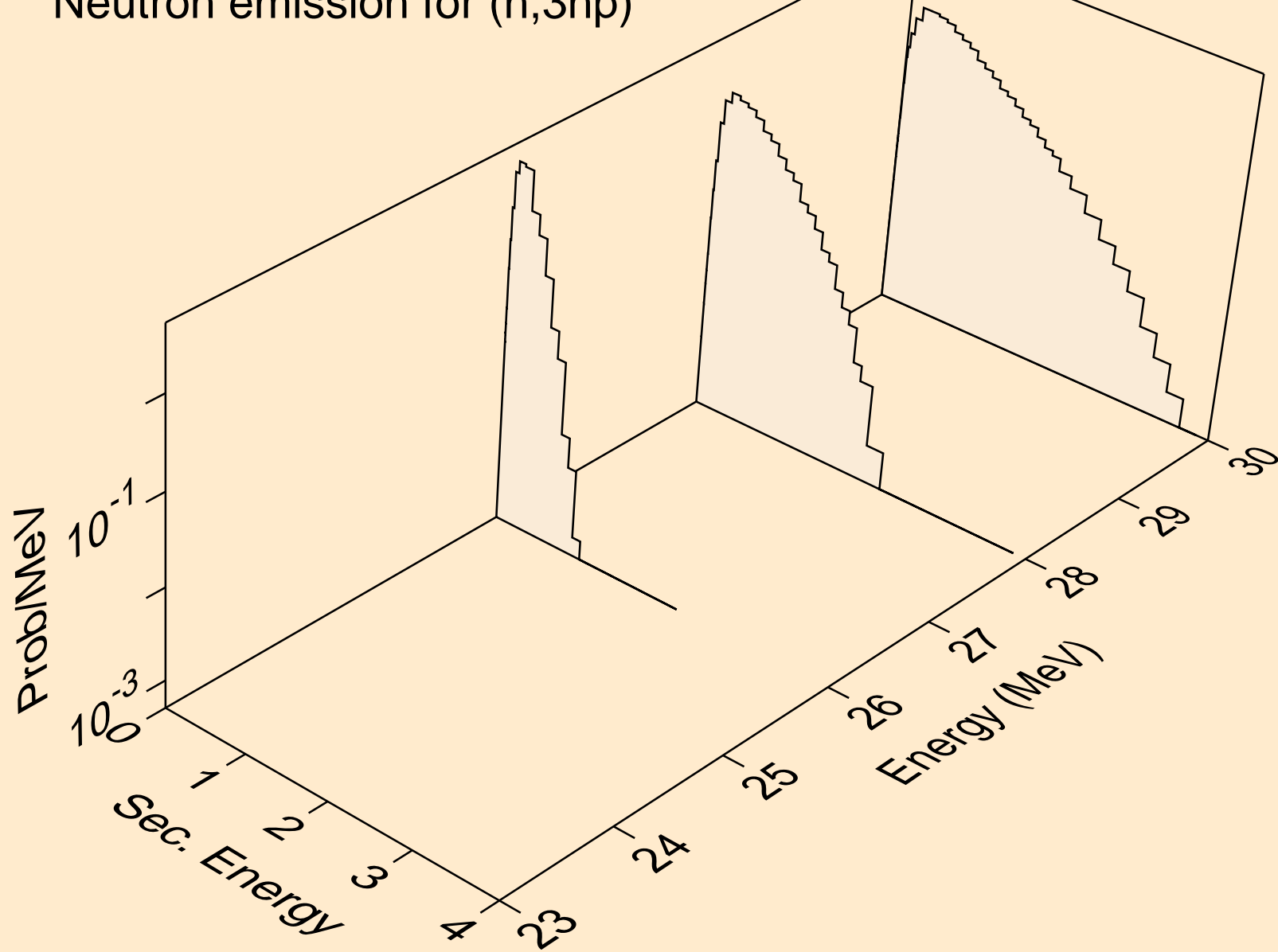
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



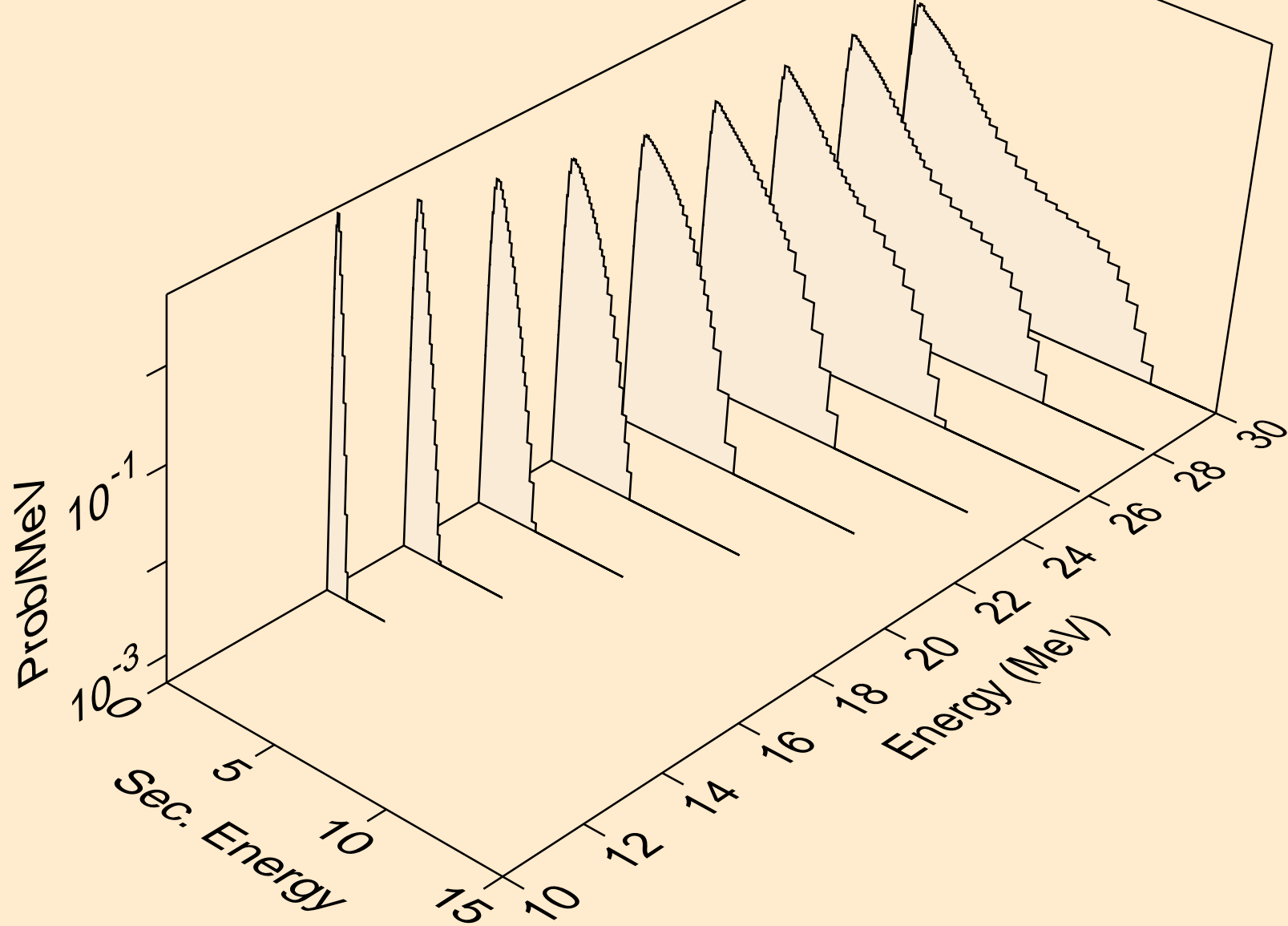
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



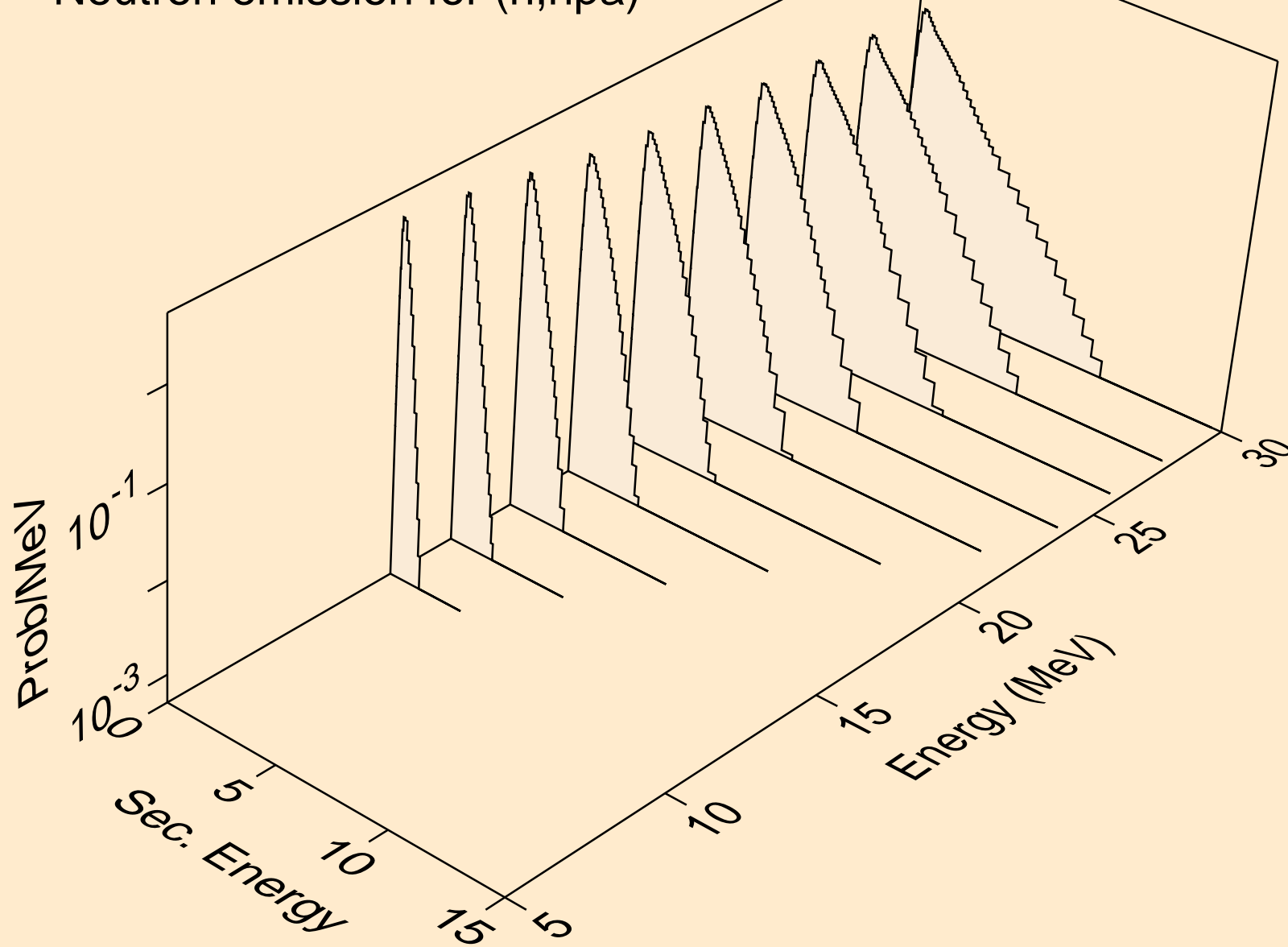
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Neutron emission for (n,3np)



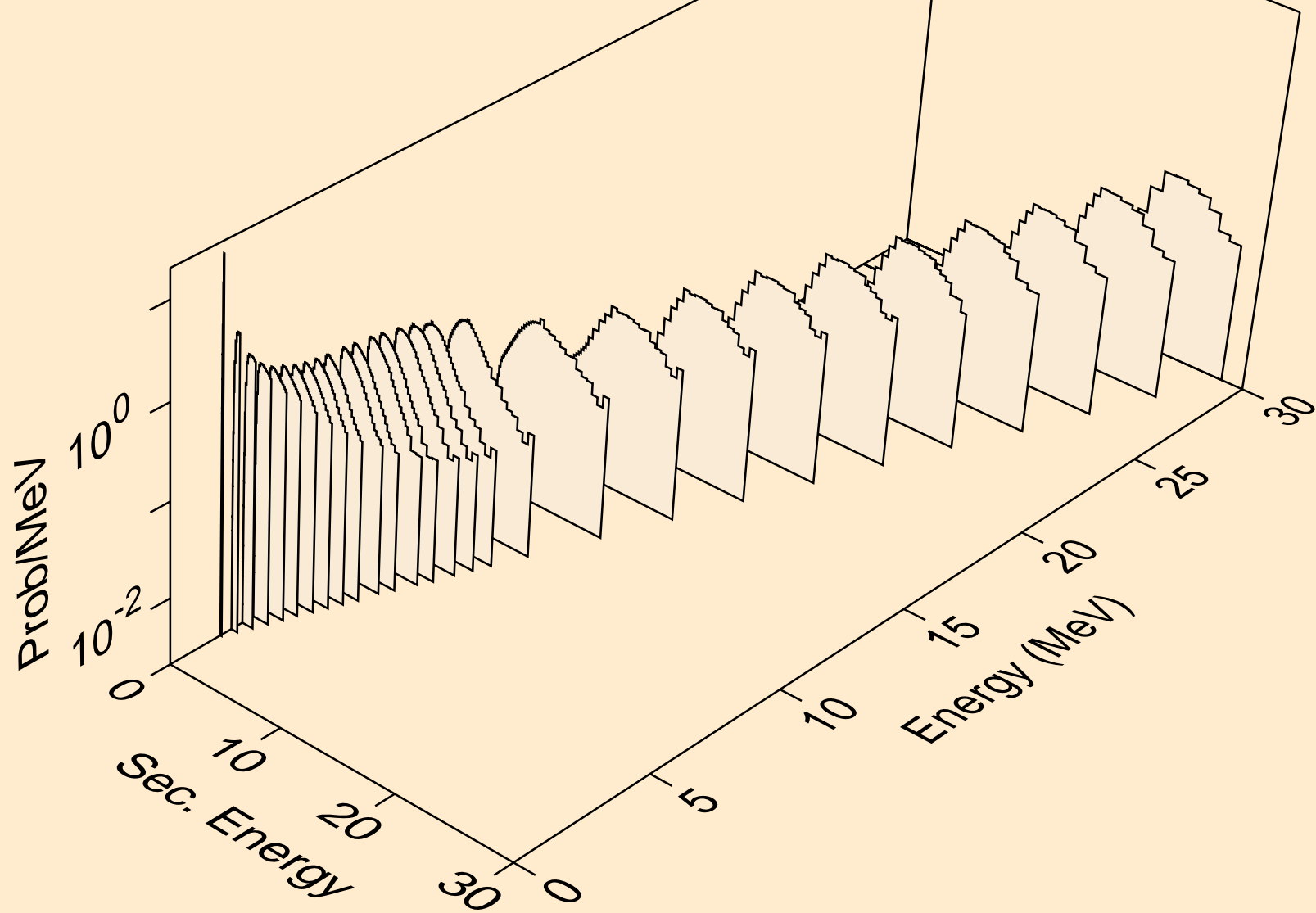
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)

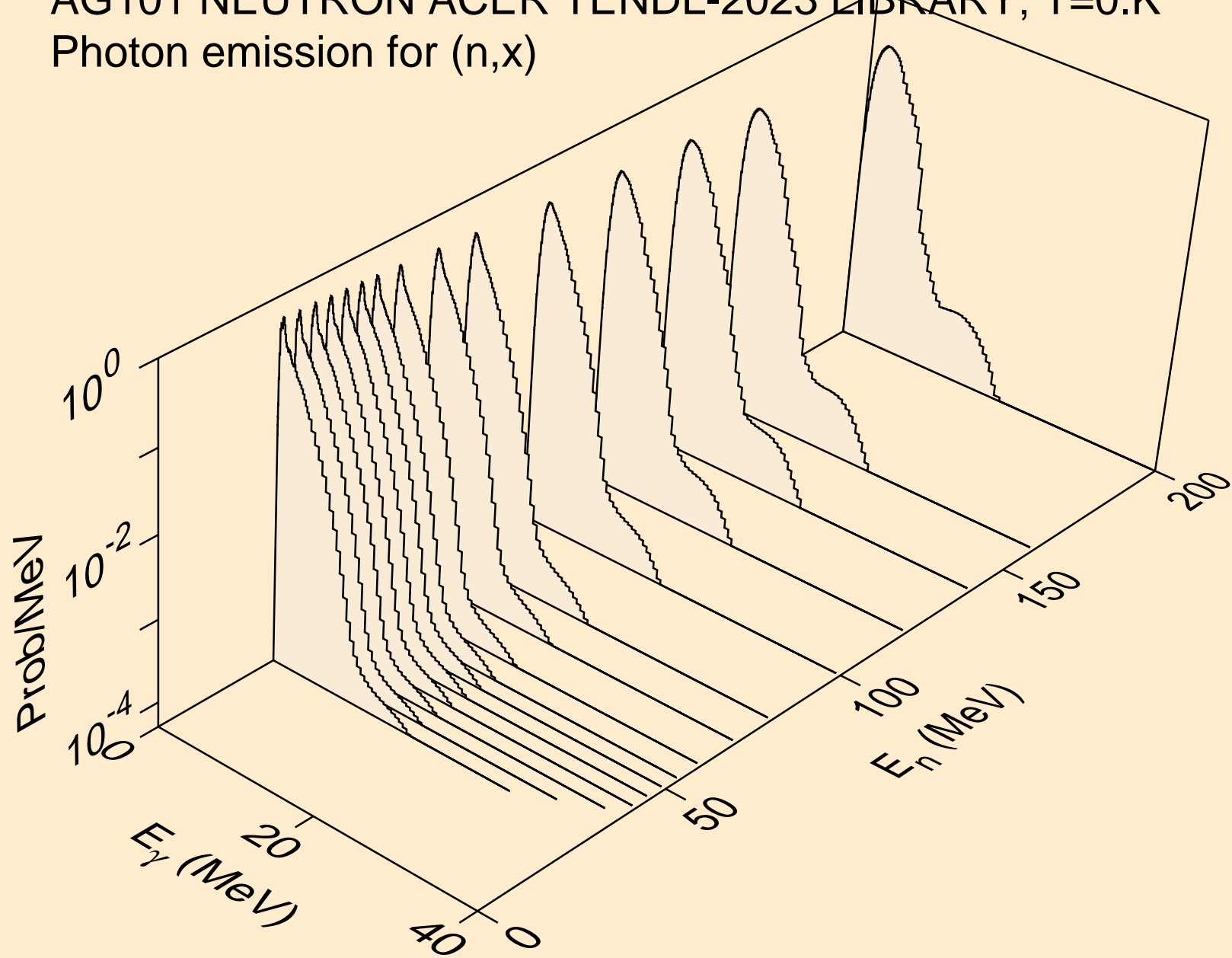


AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)

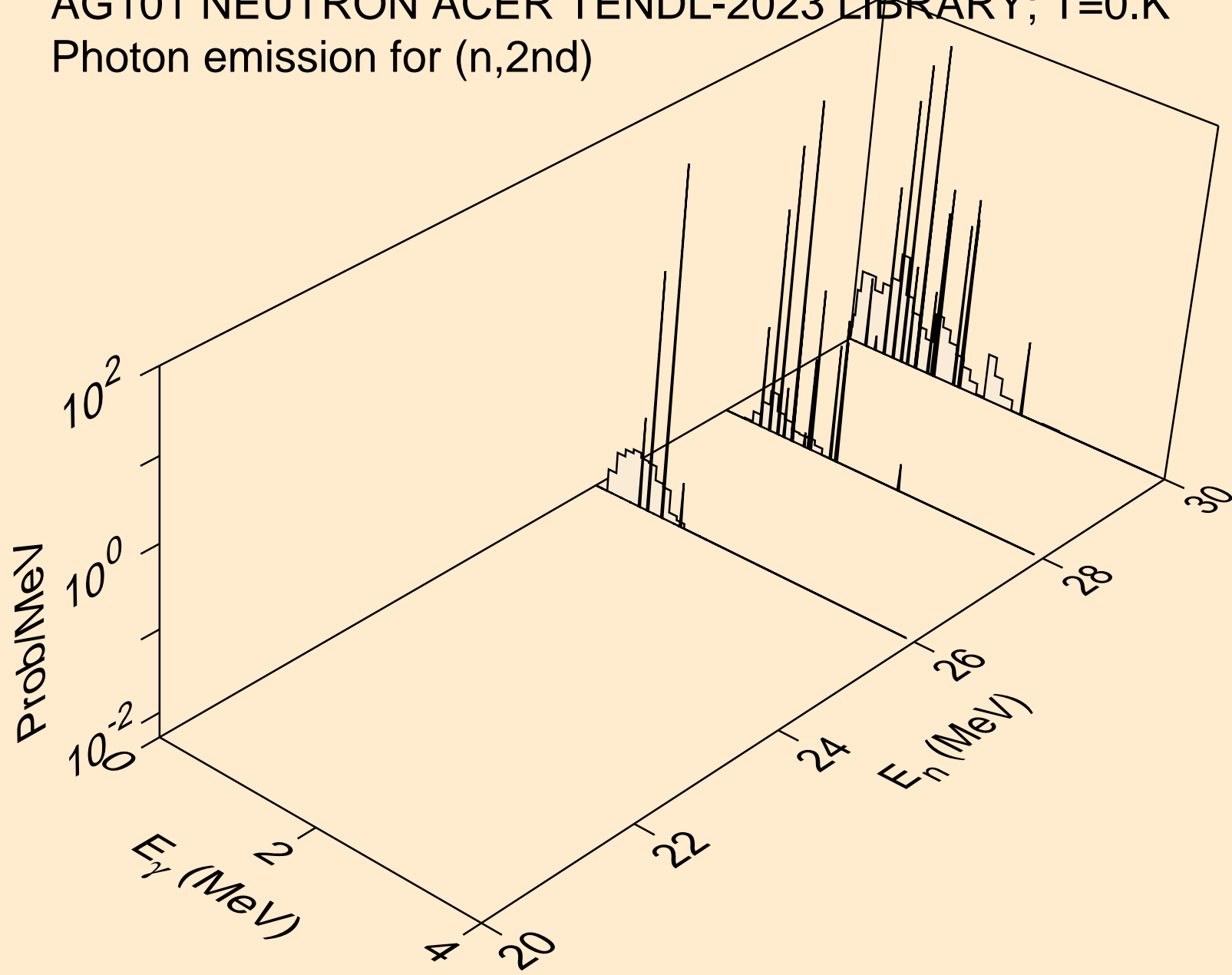




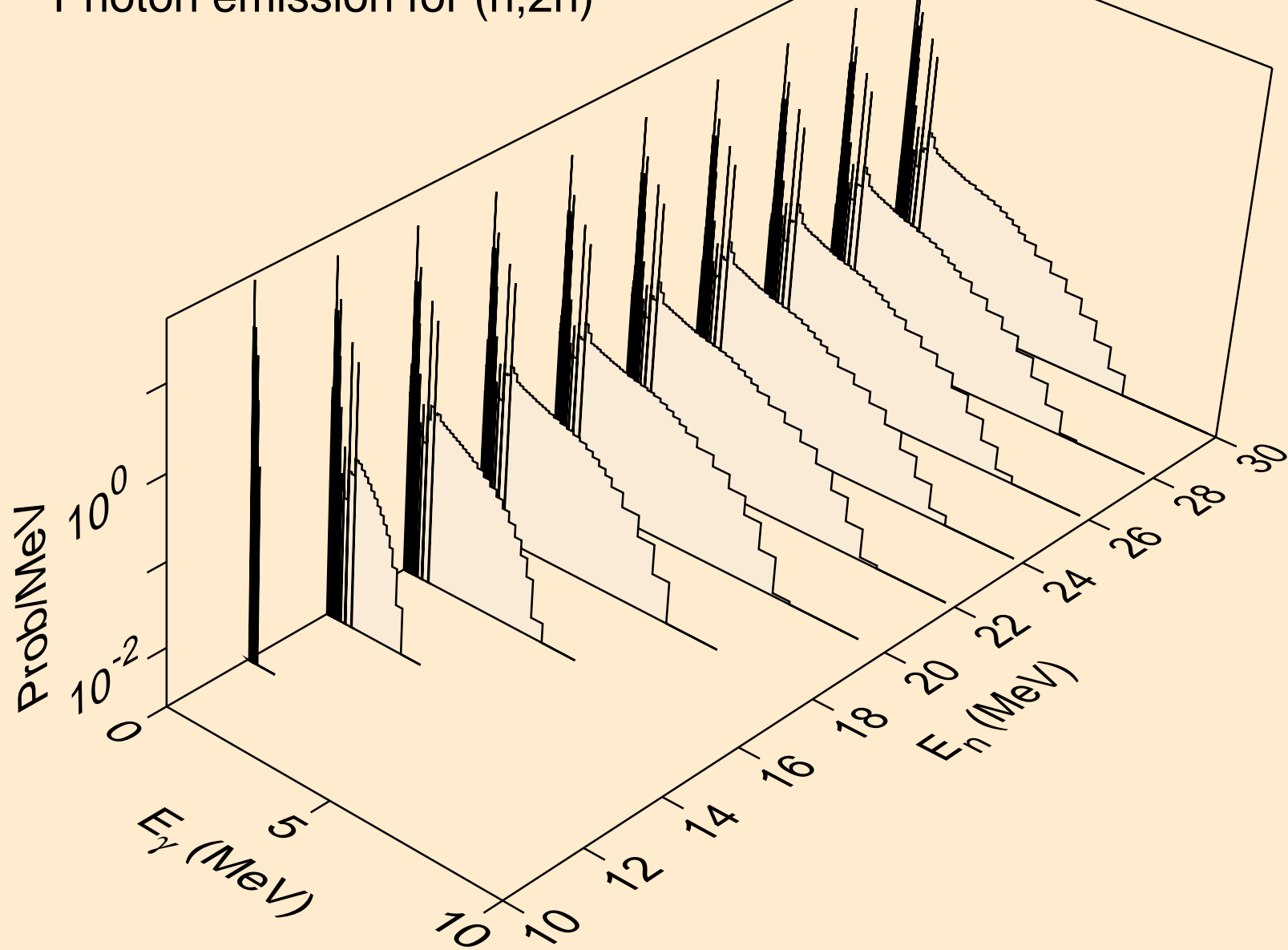
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



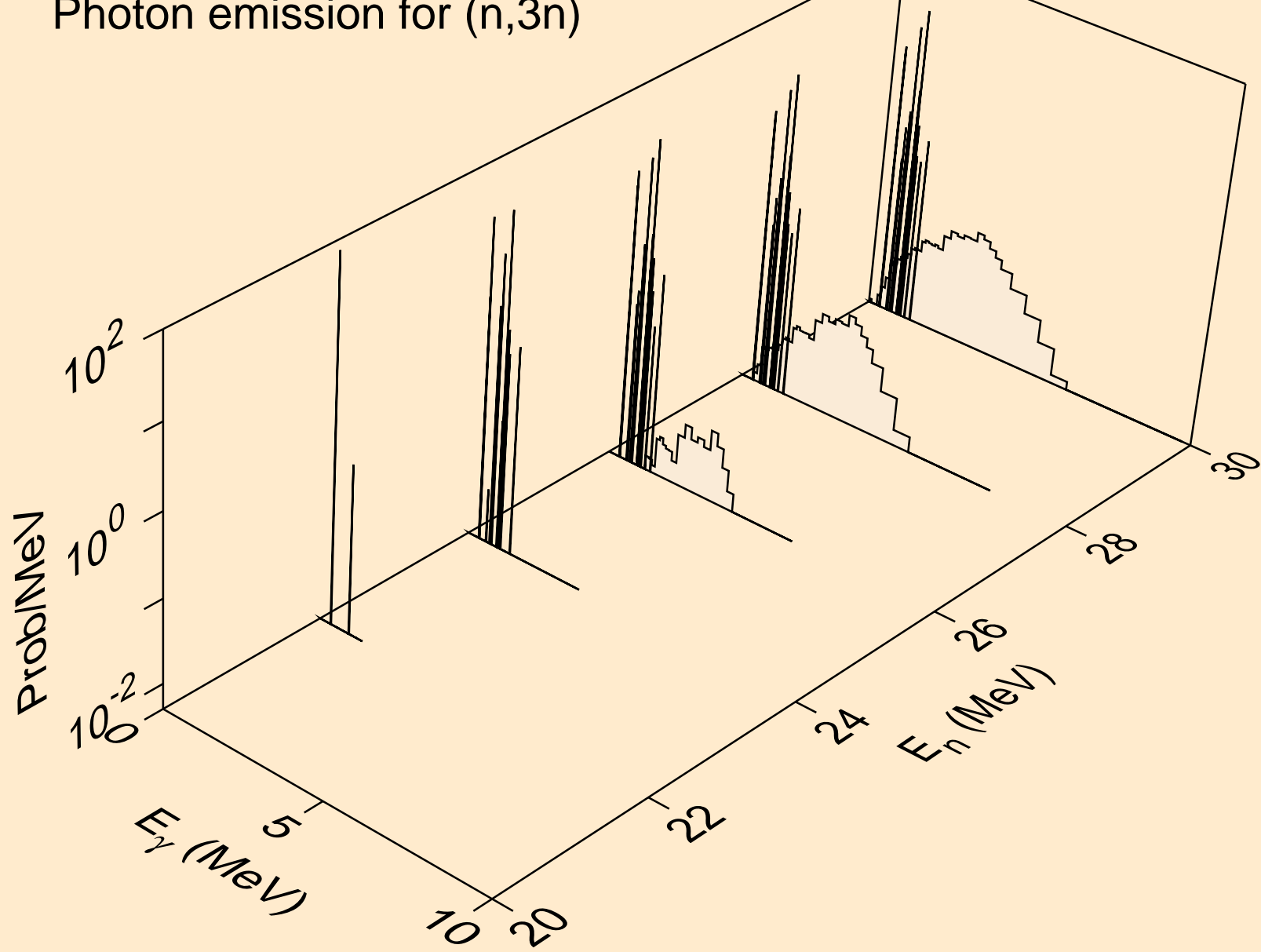
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



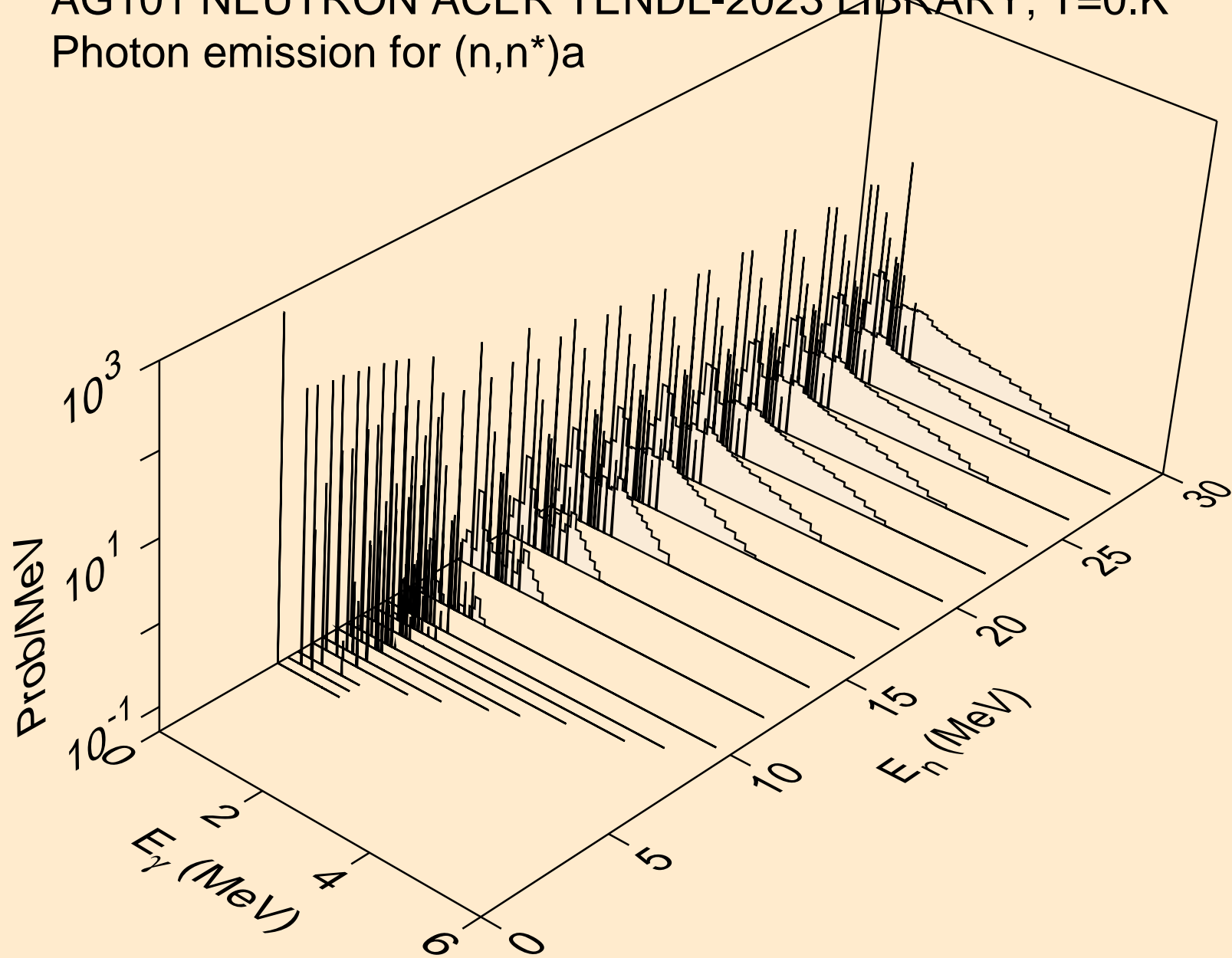
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



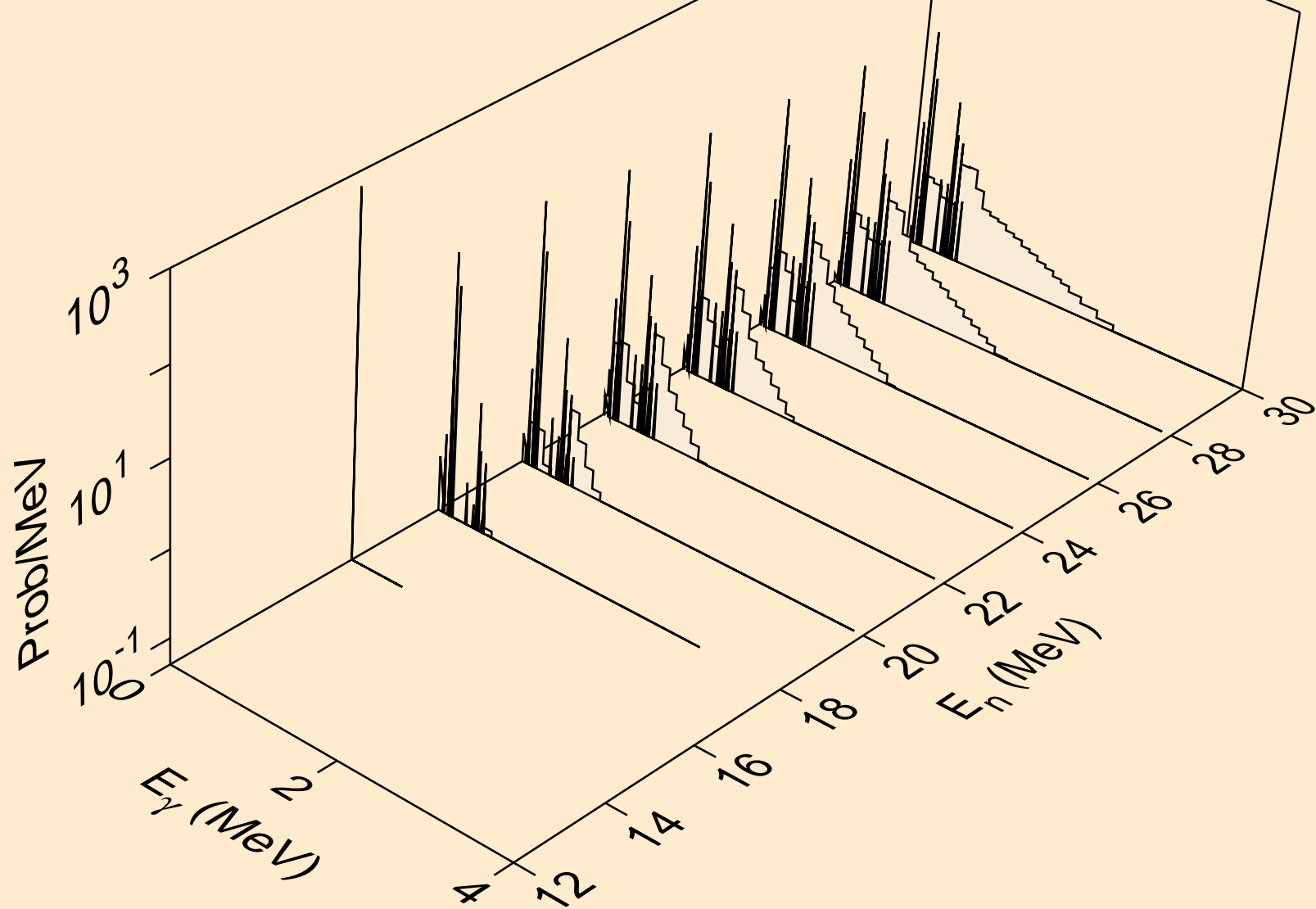
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



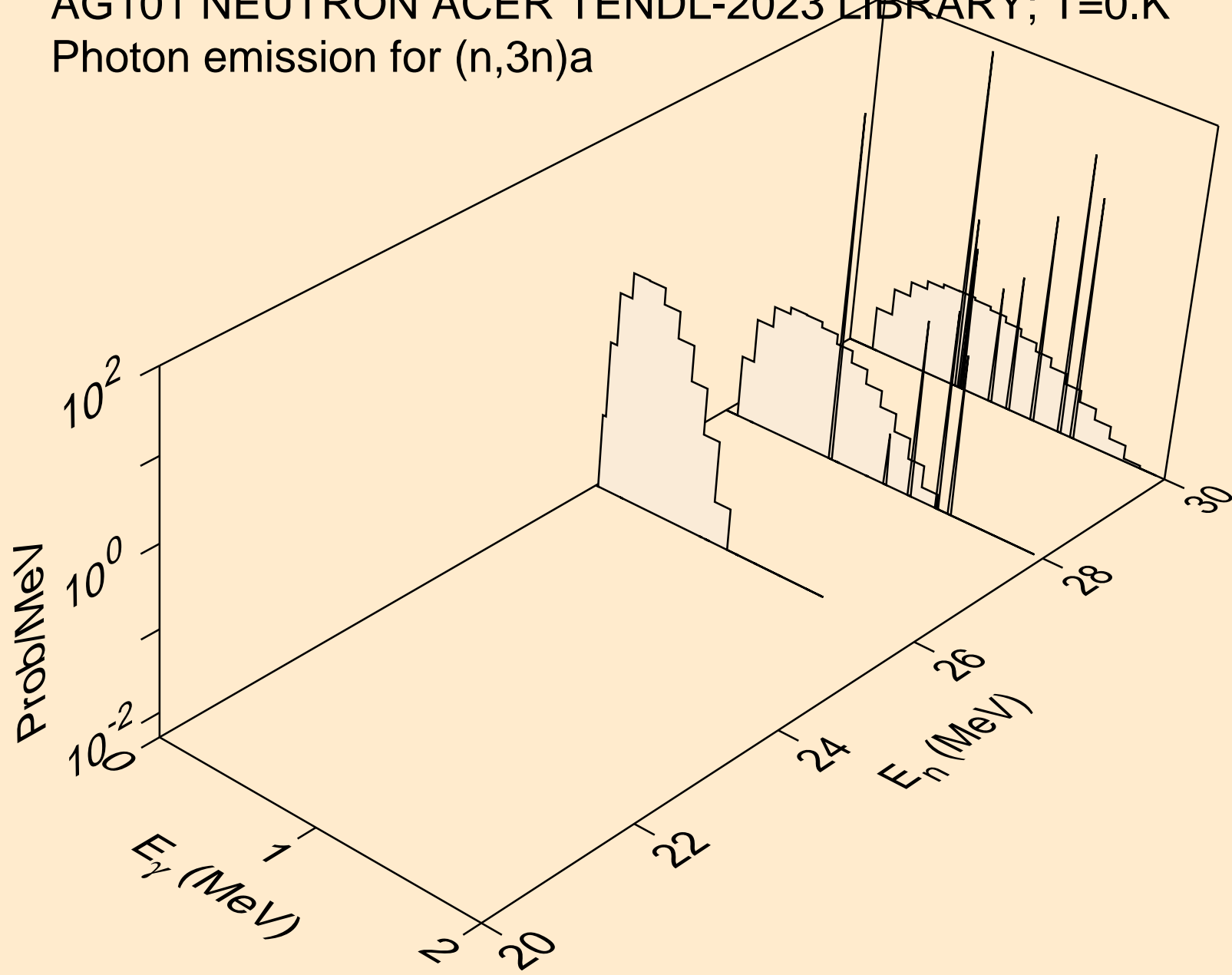
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



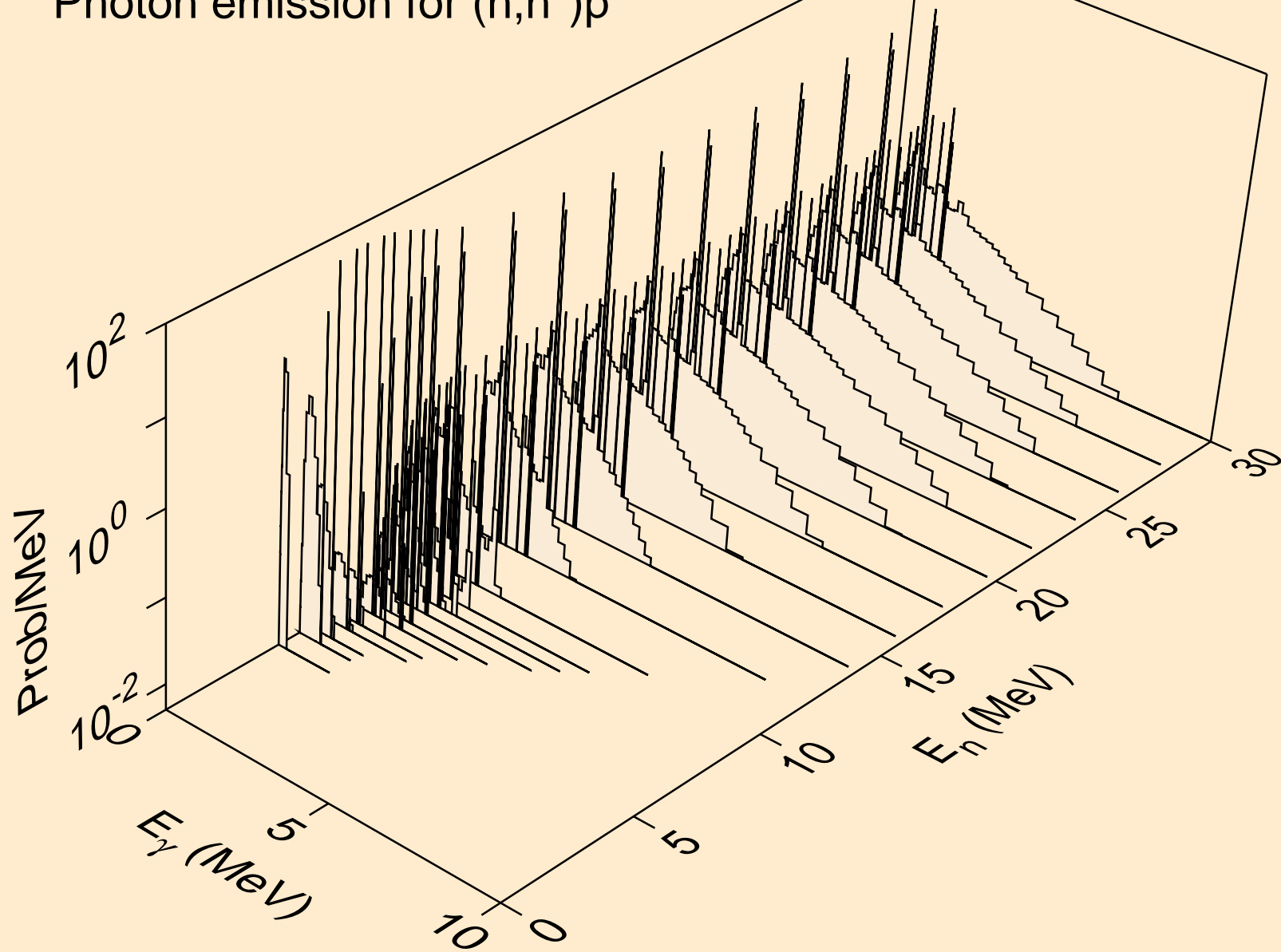
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a

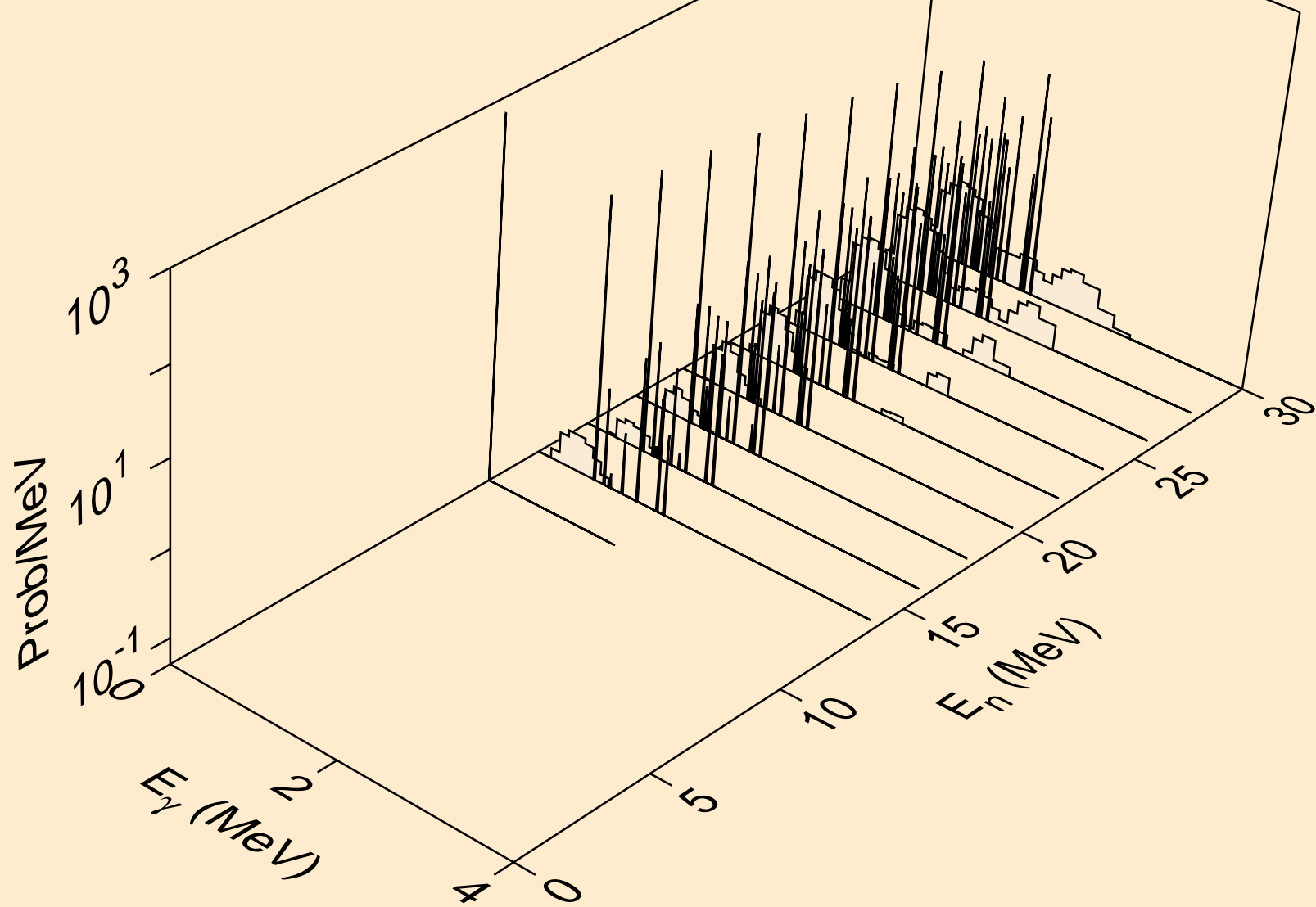


AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

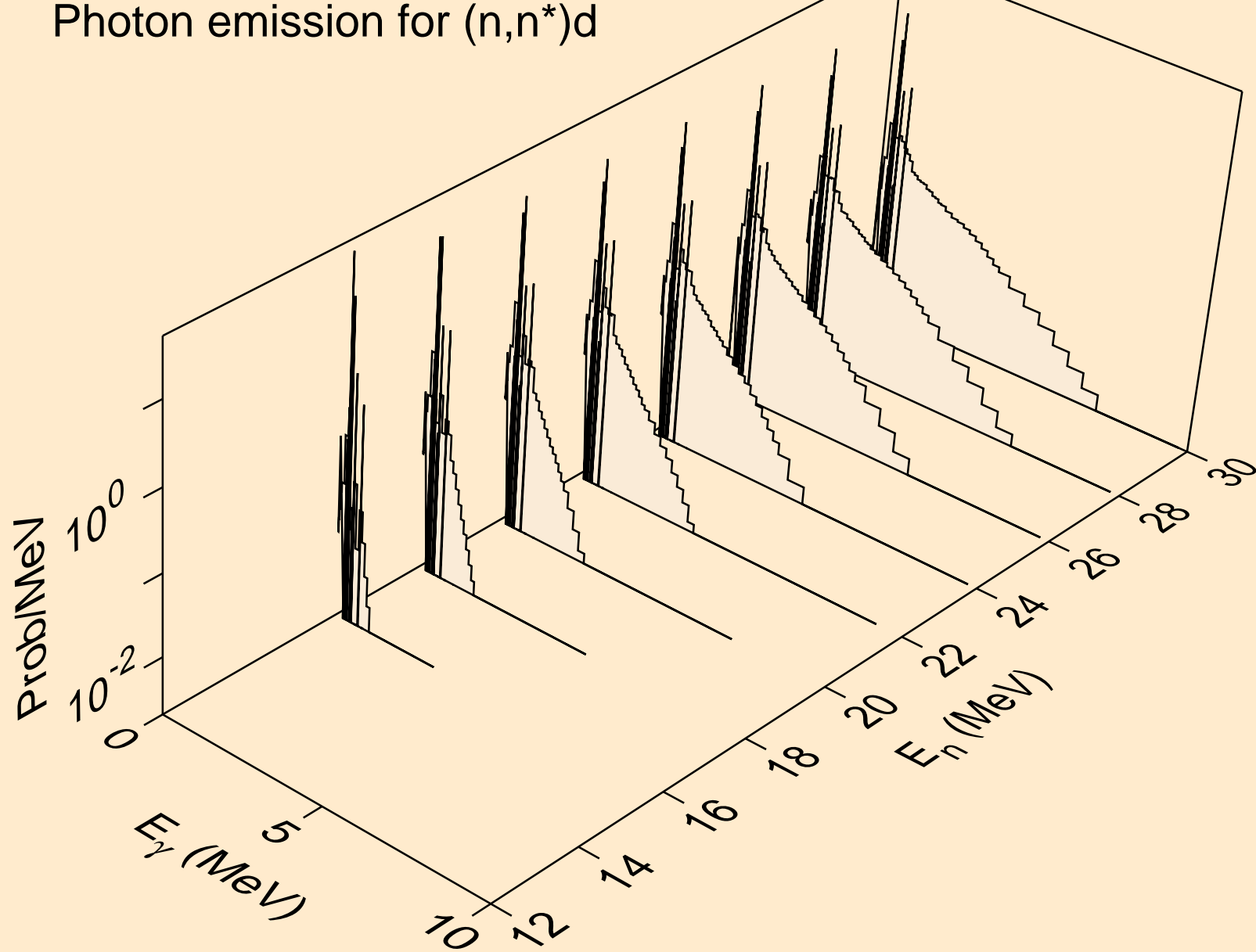




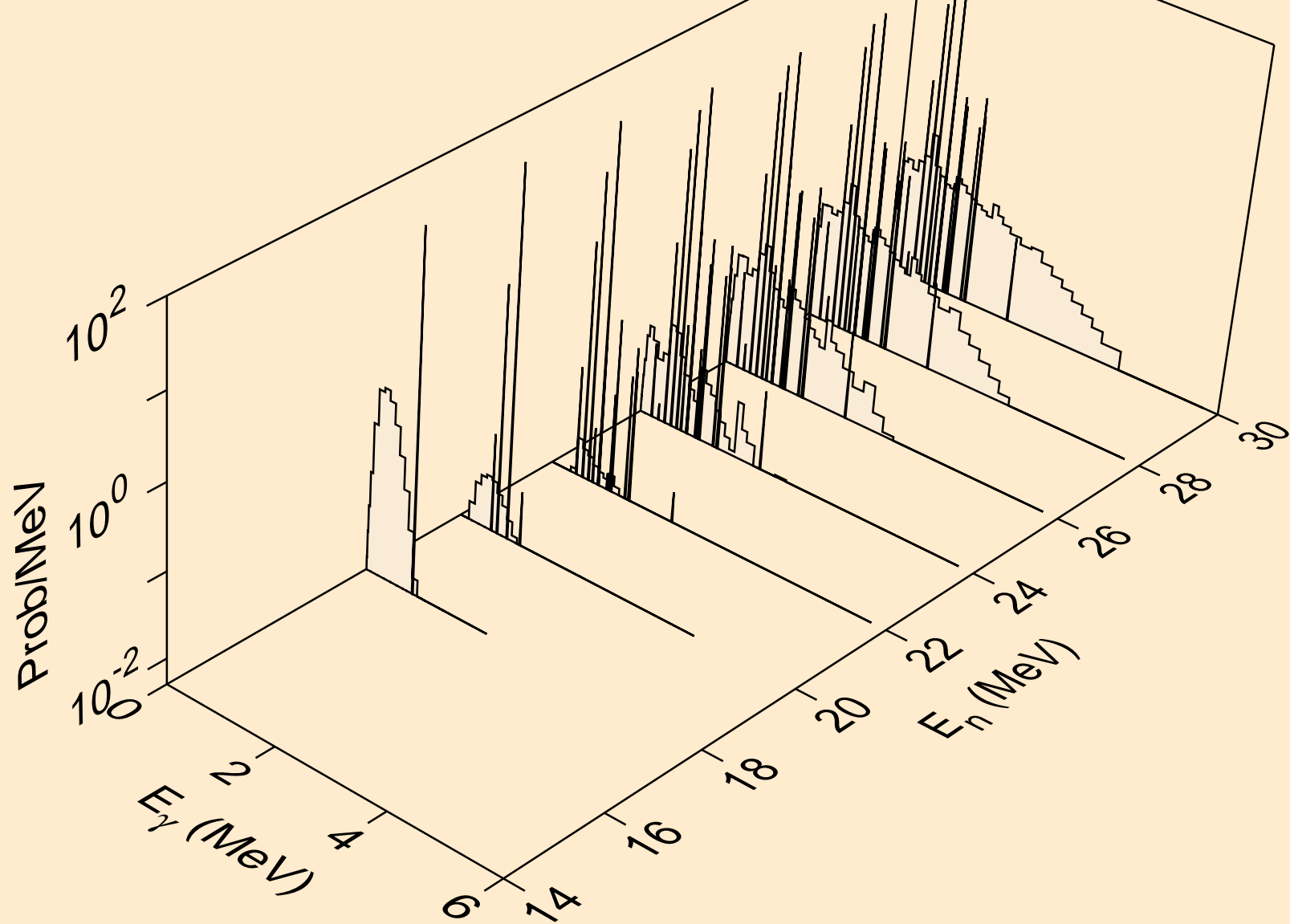
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



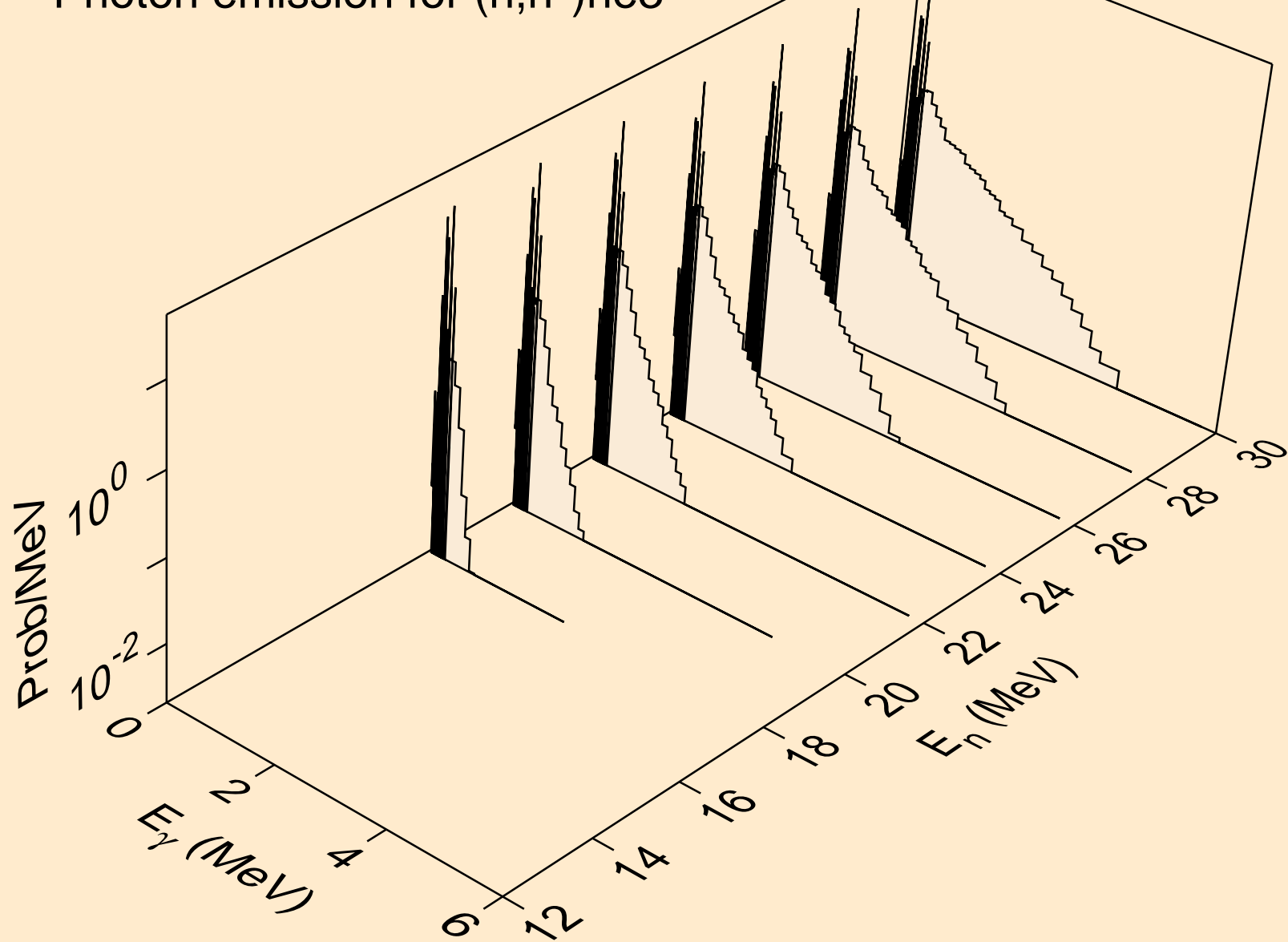
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



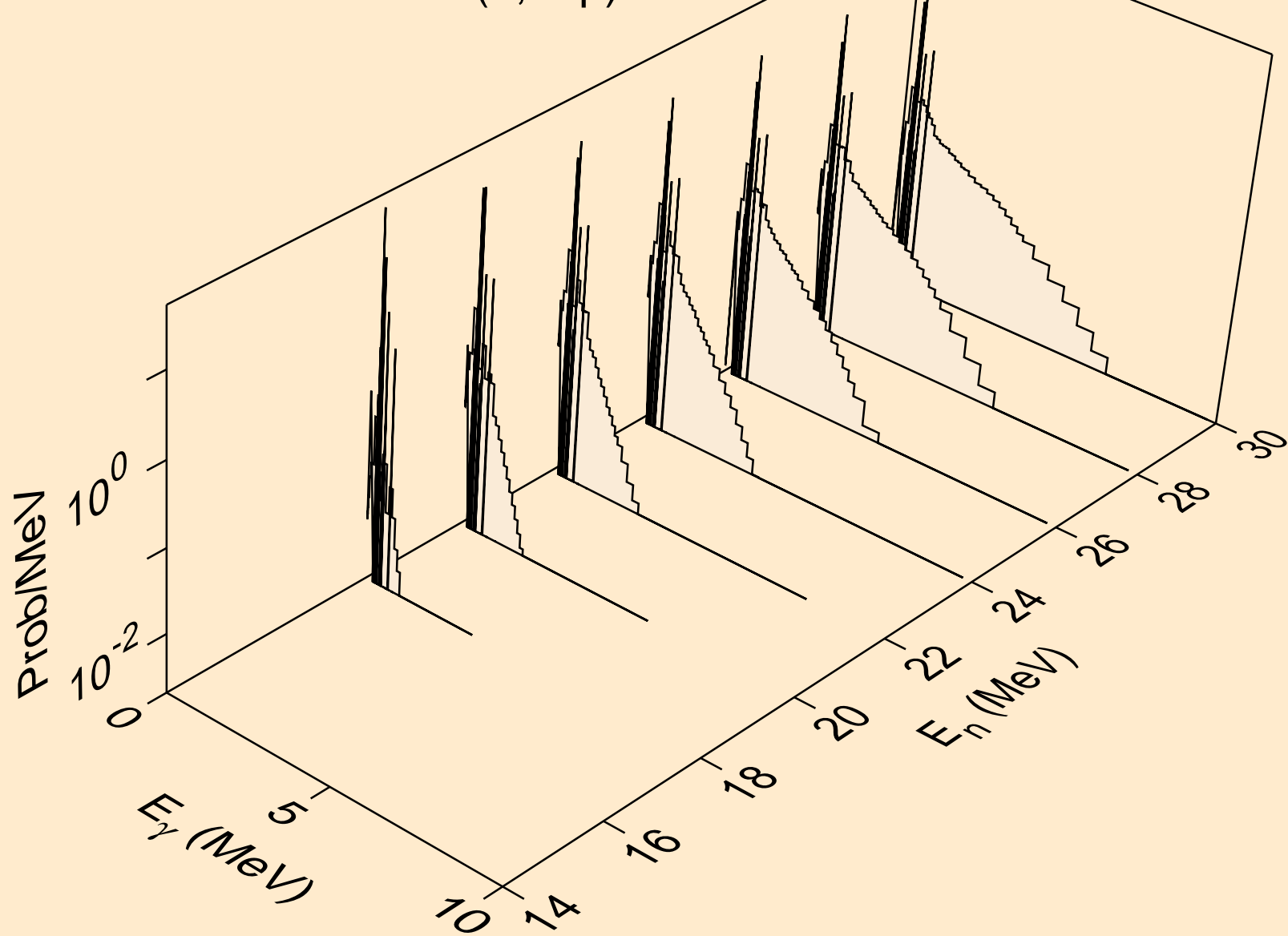
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



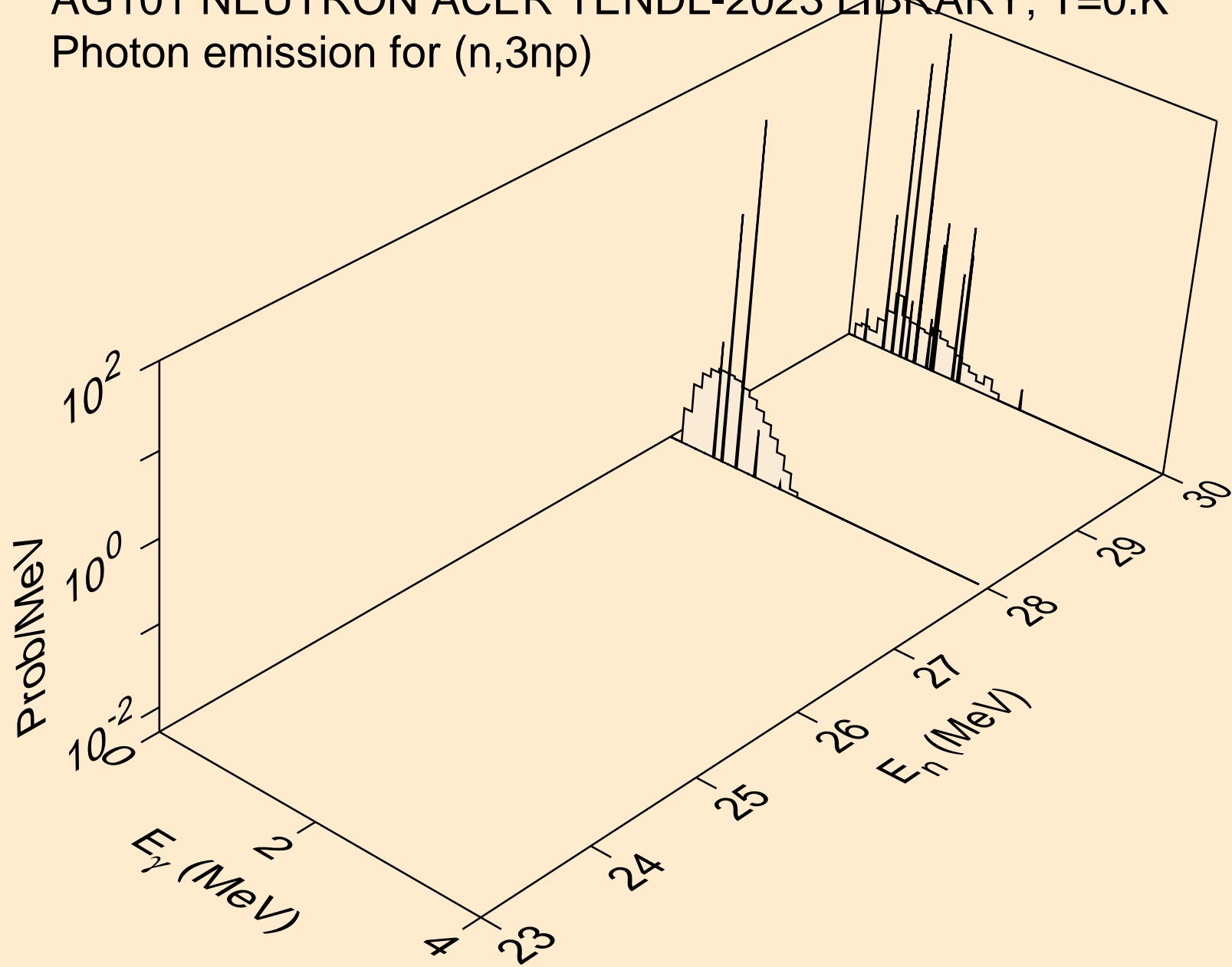
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



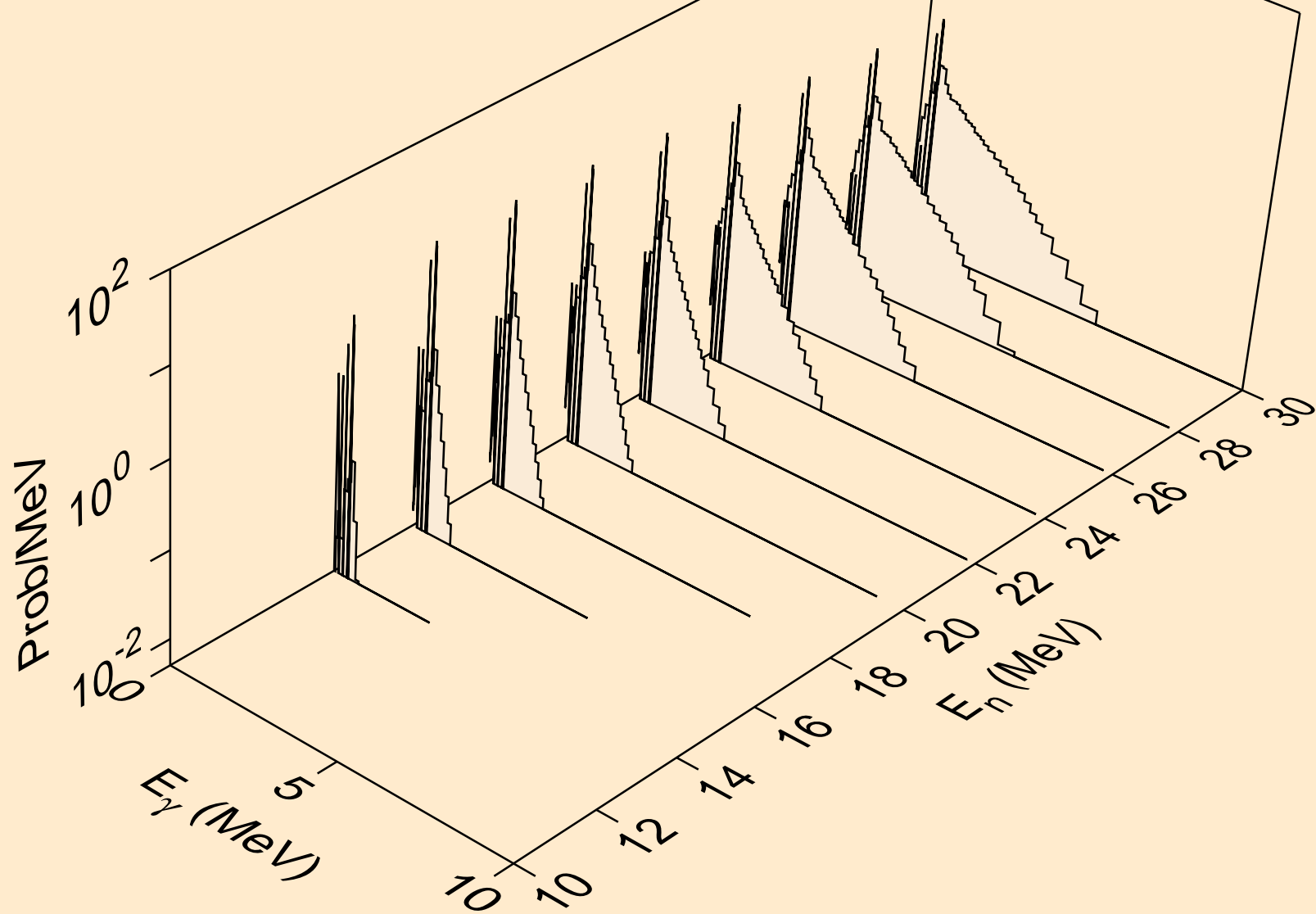
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Photon emission for (n,2np)



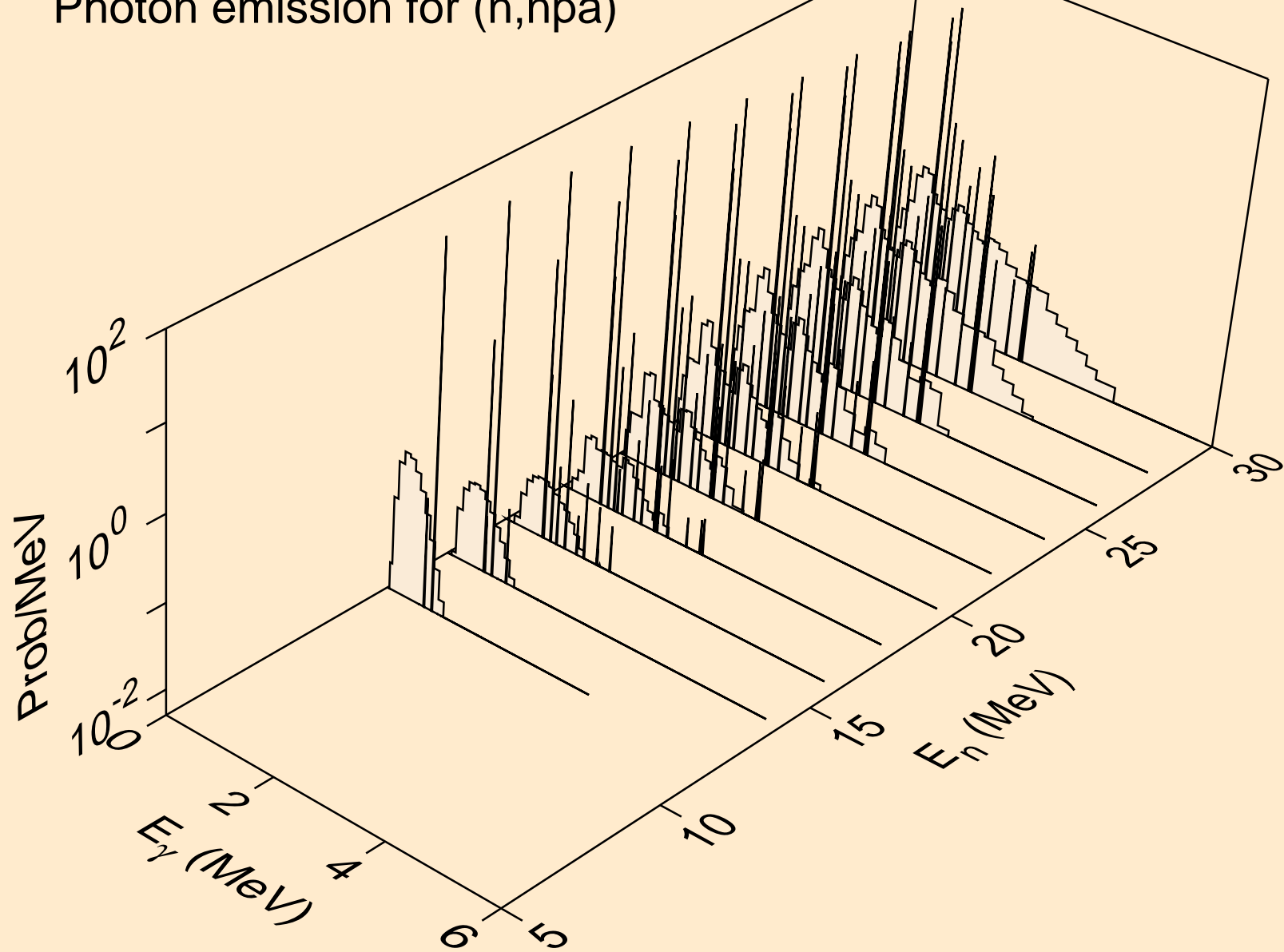
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)

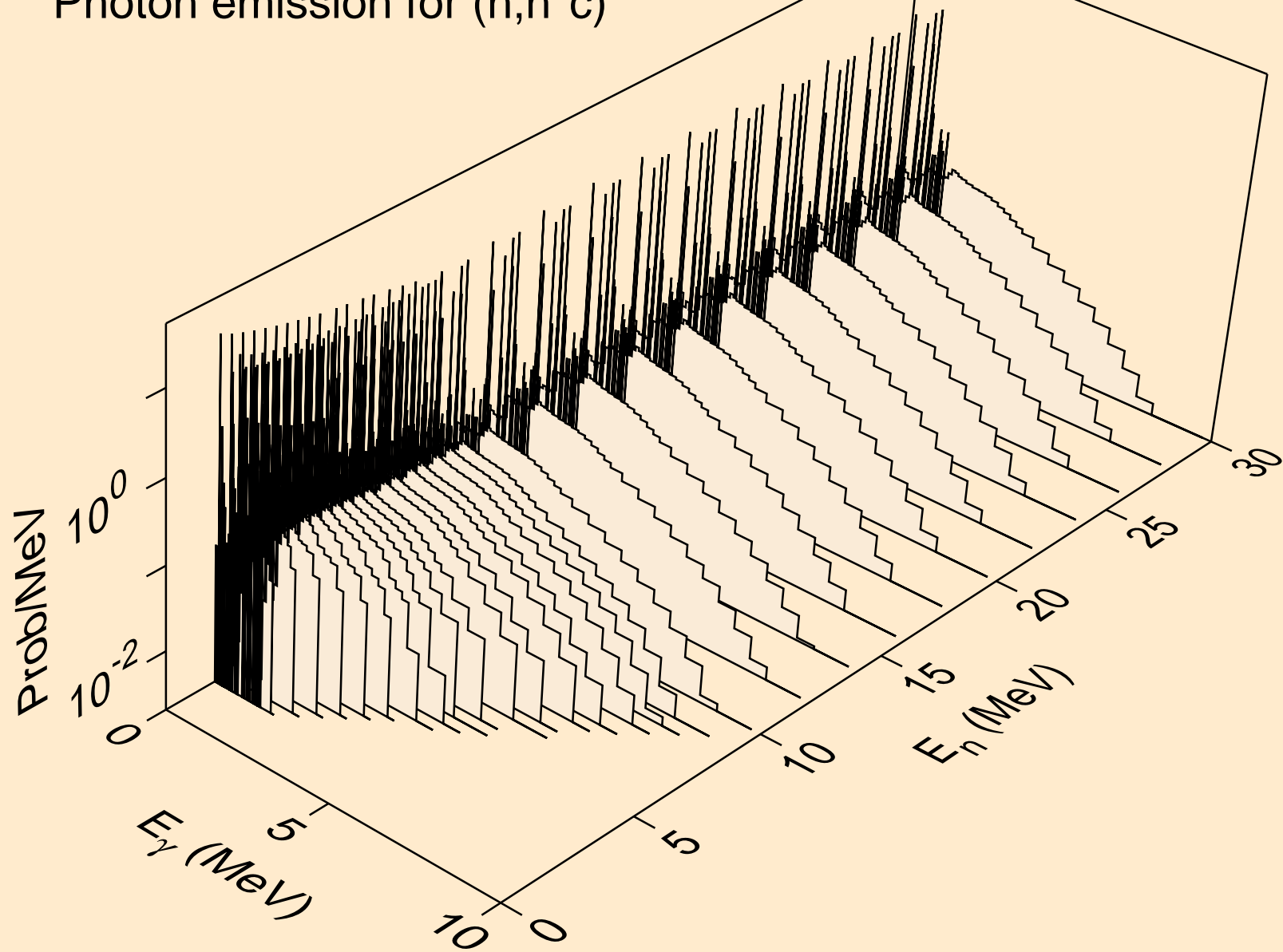


AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)

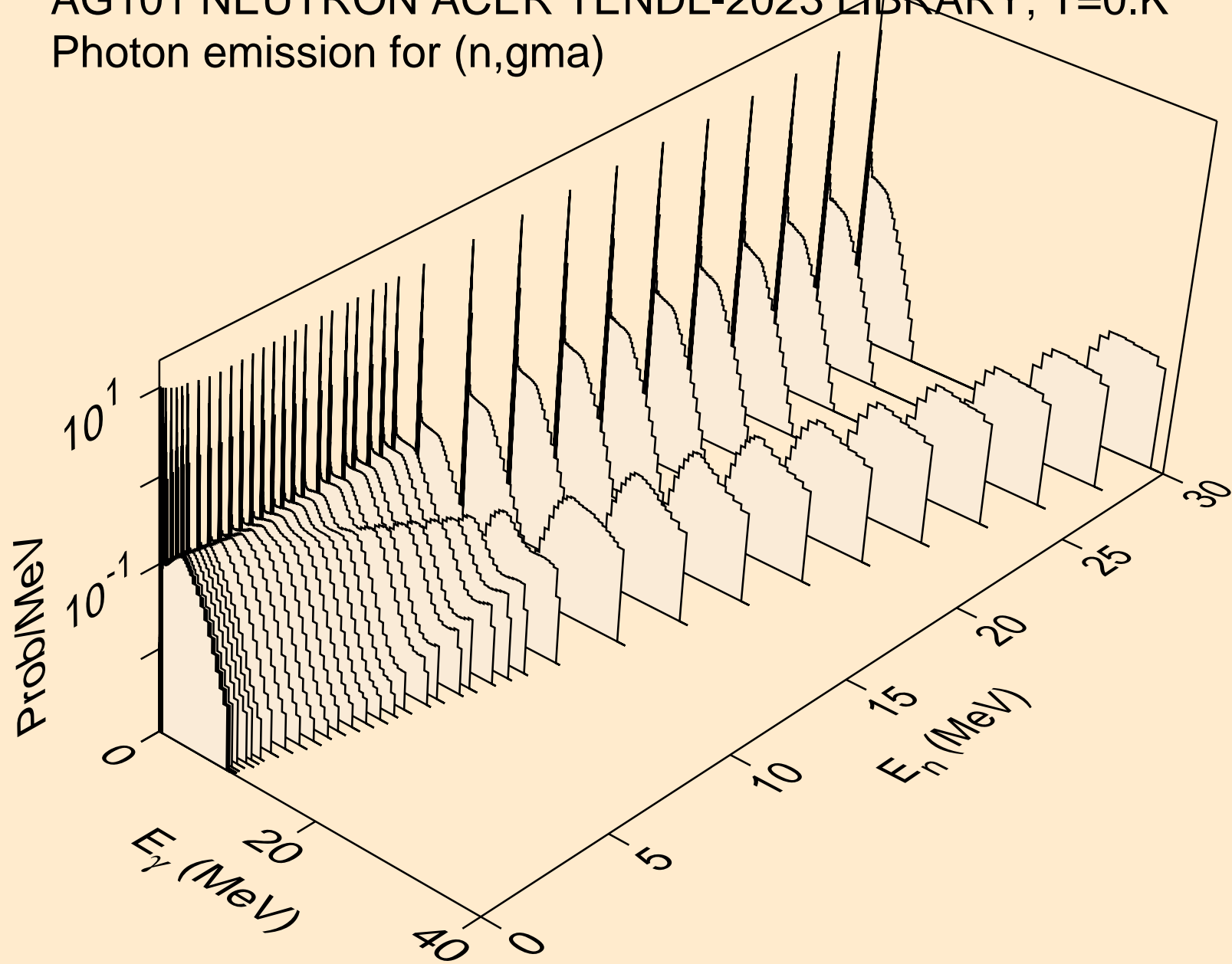




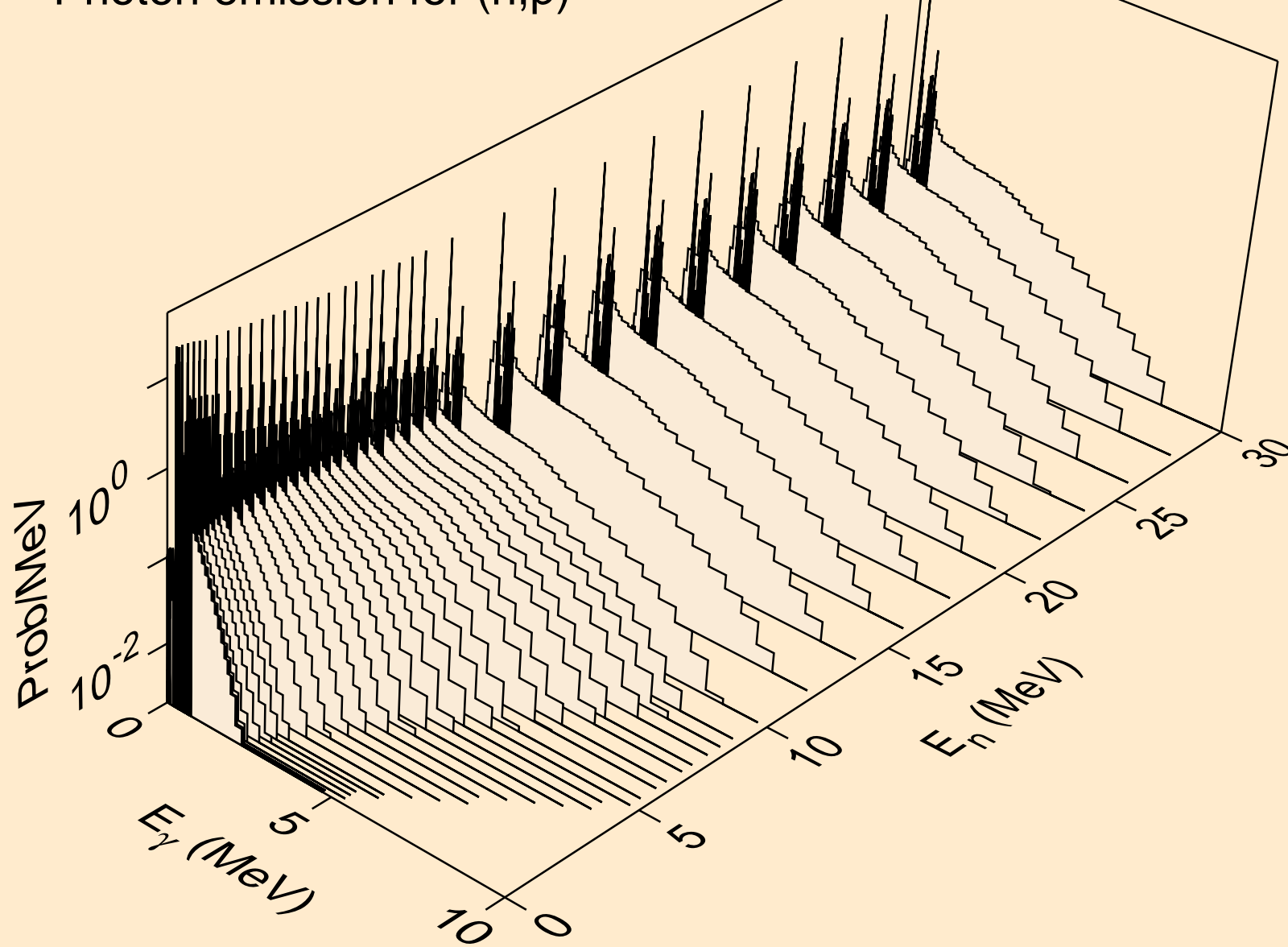
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Photon emission for (n,n\*c)



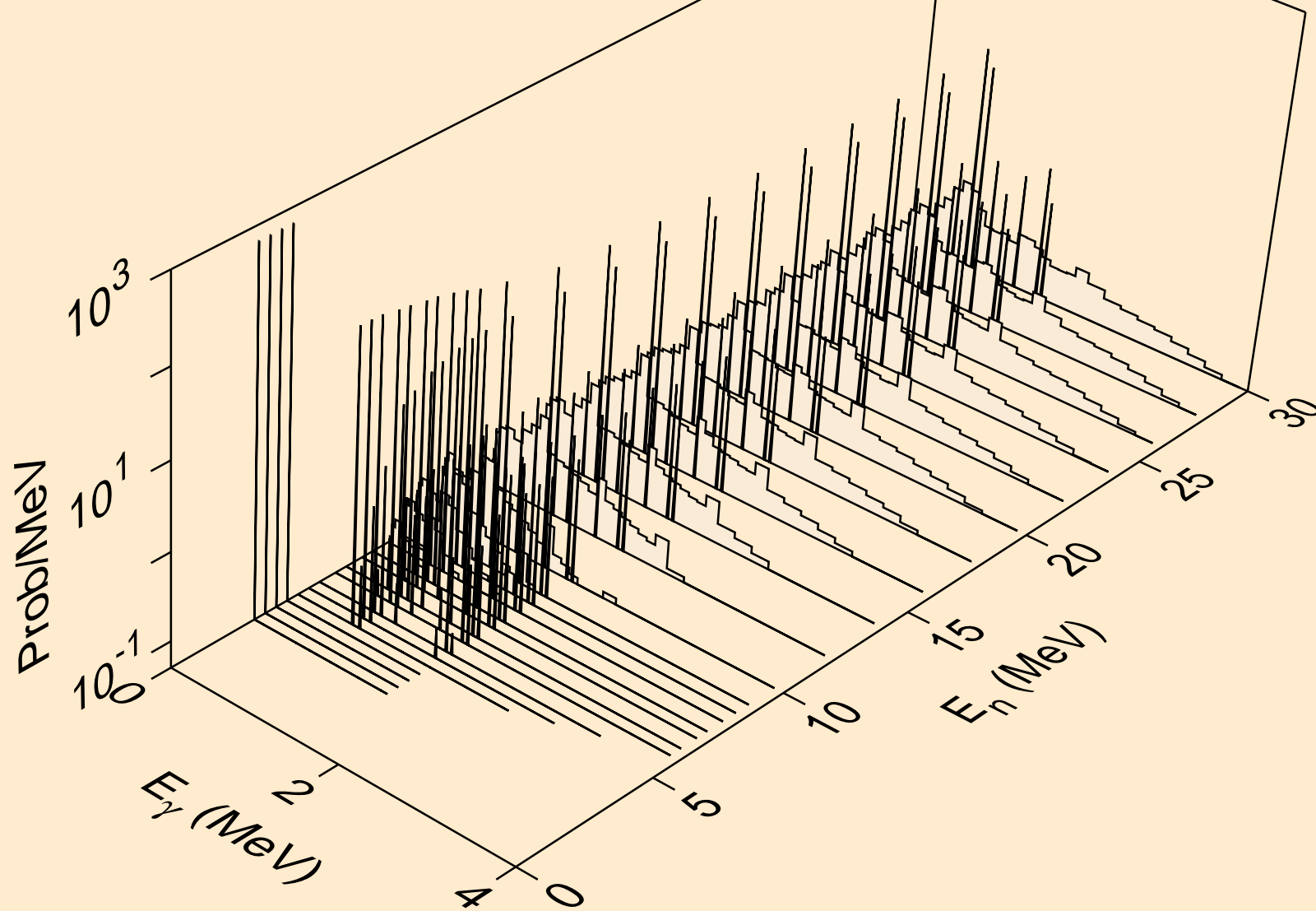
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Photon emission for (n,gma)



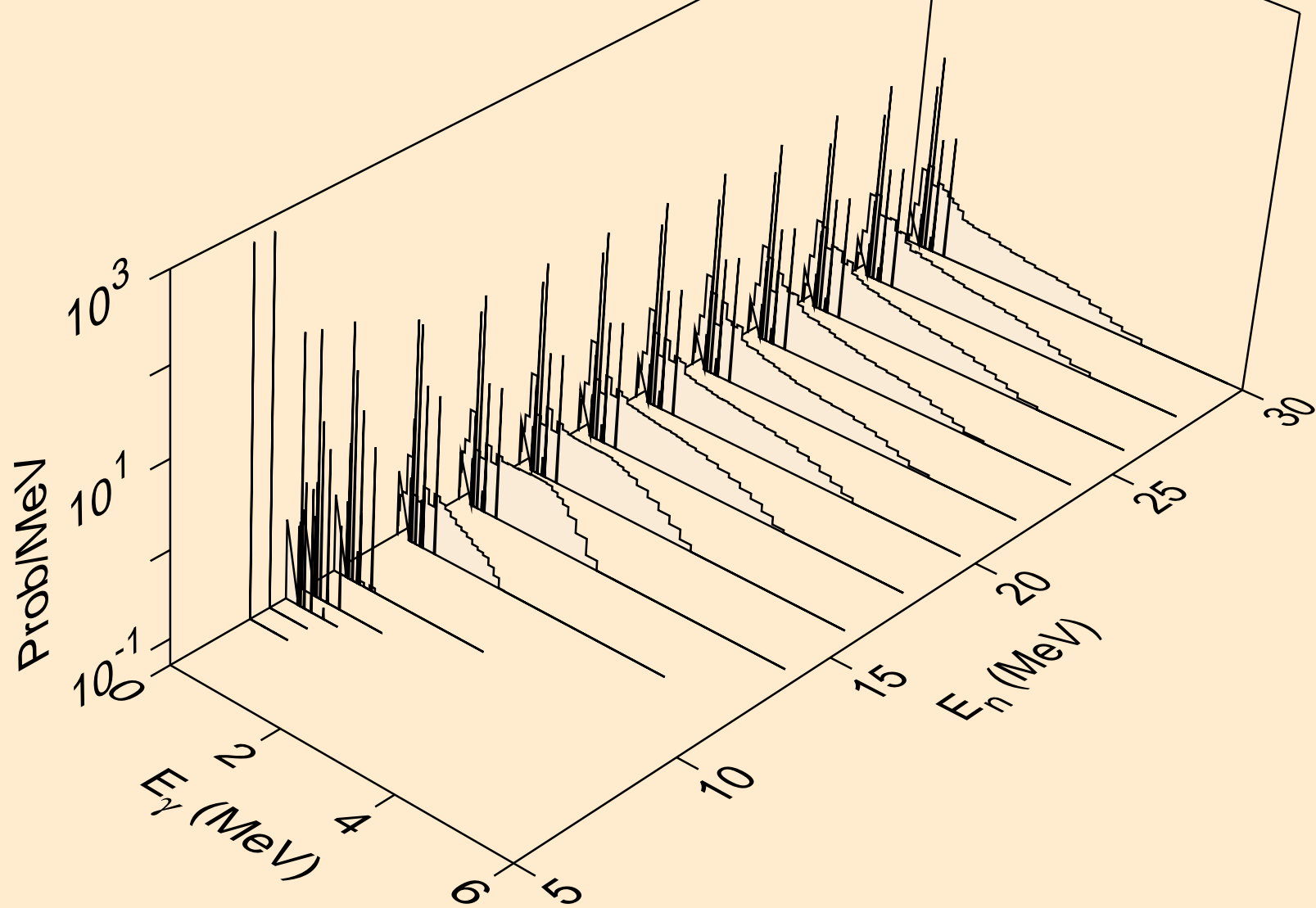
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Photon emission for (n,p)



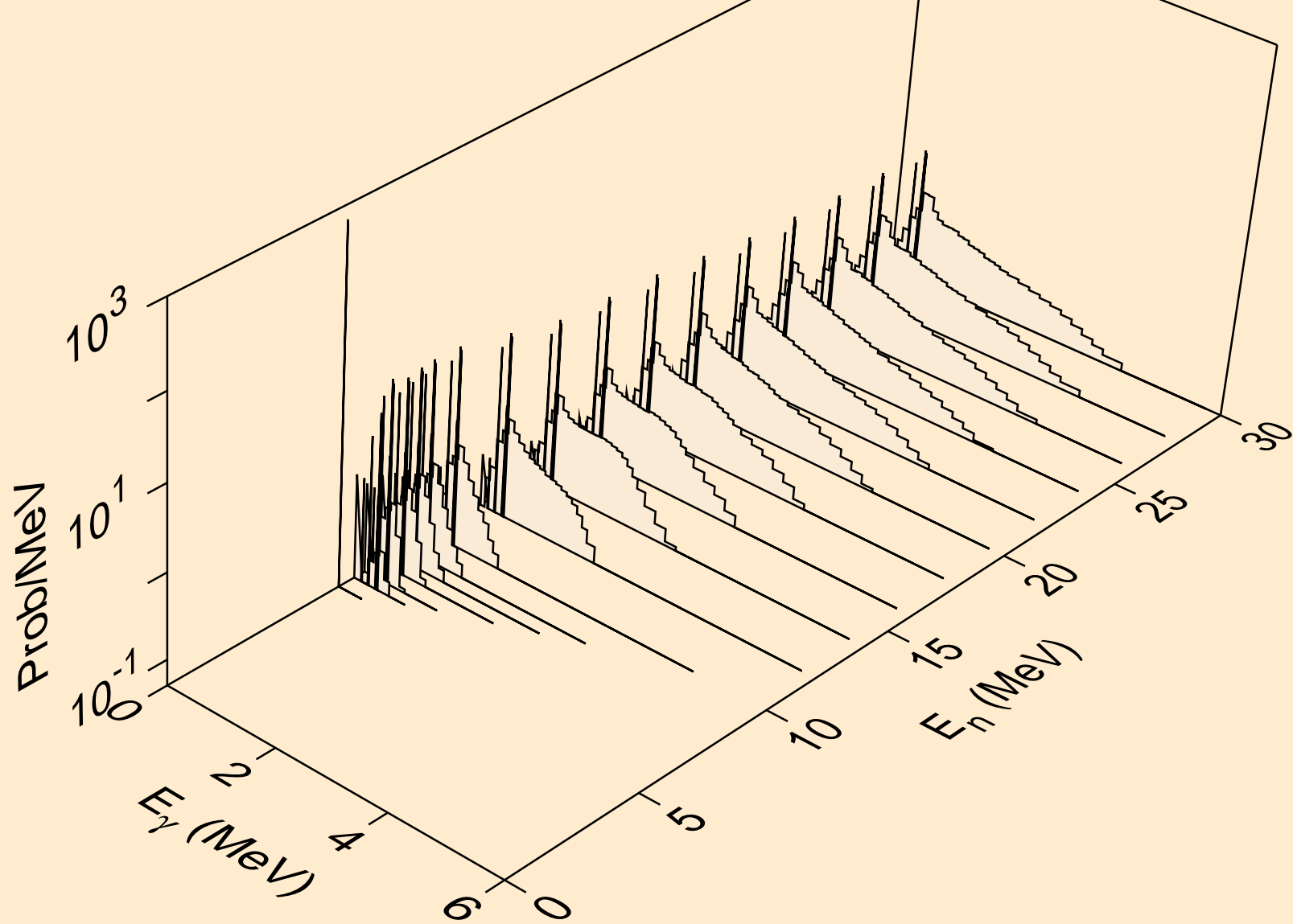
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Photon emission for (n,d)



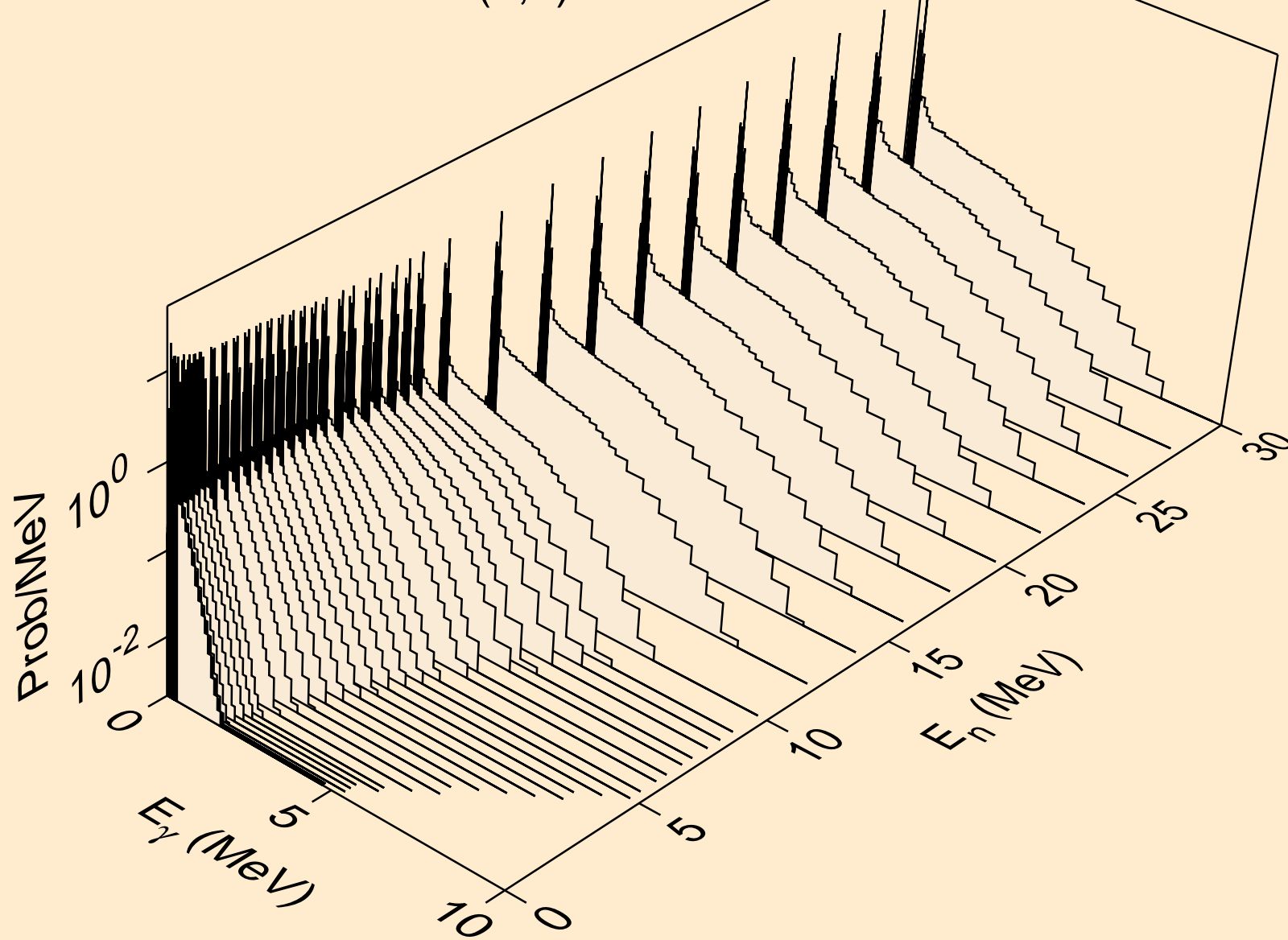
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Photon emission for (n,t)



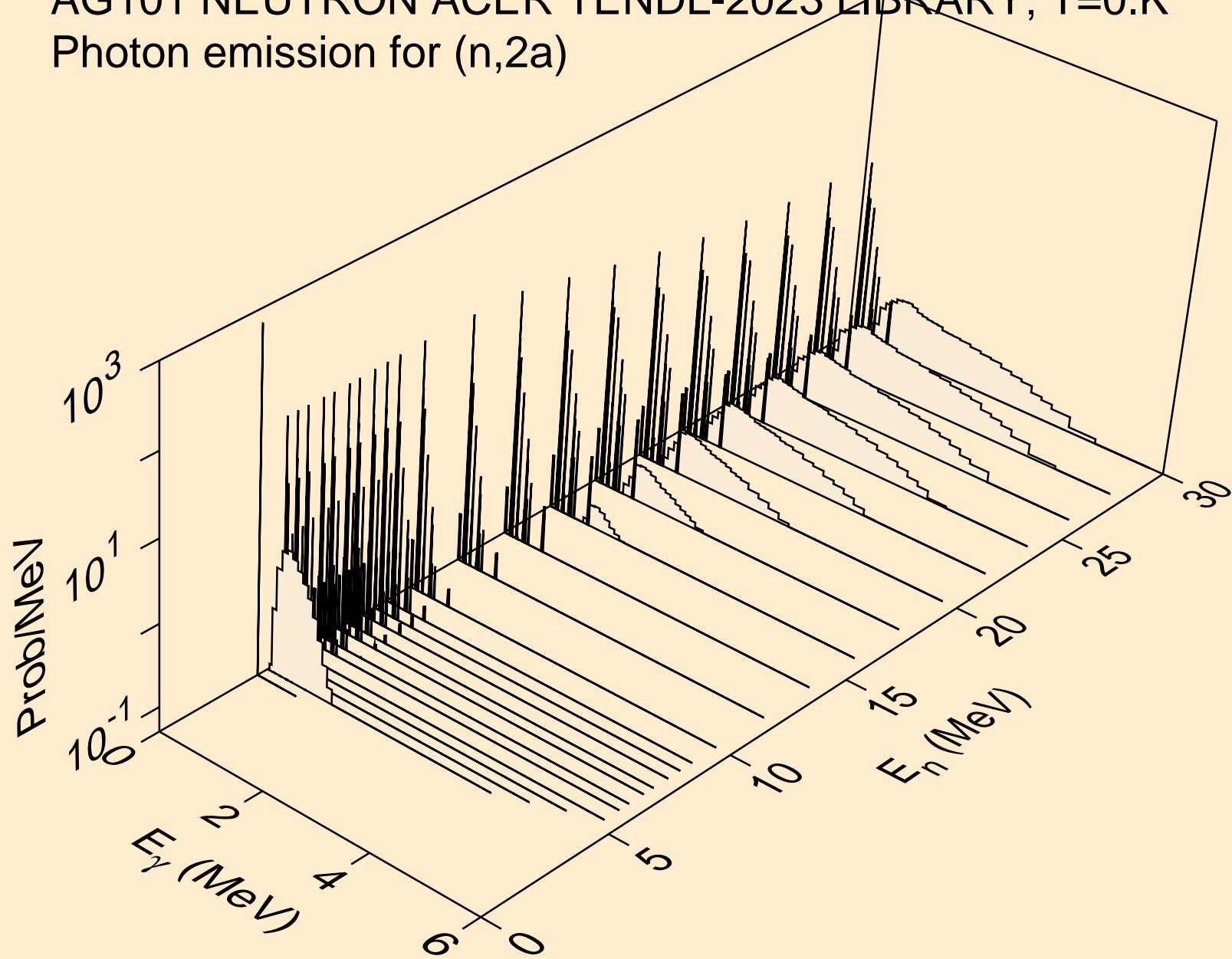
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

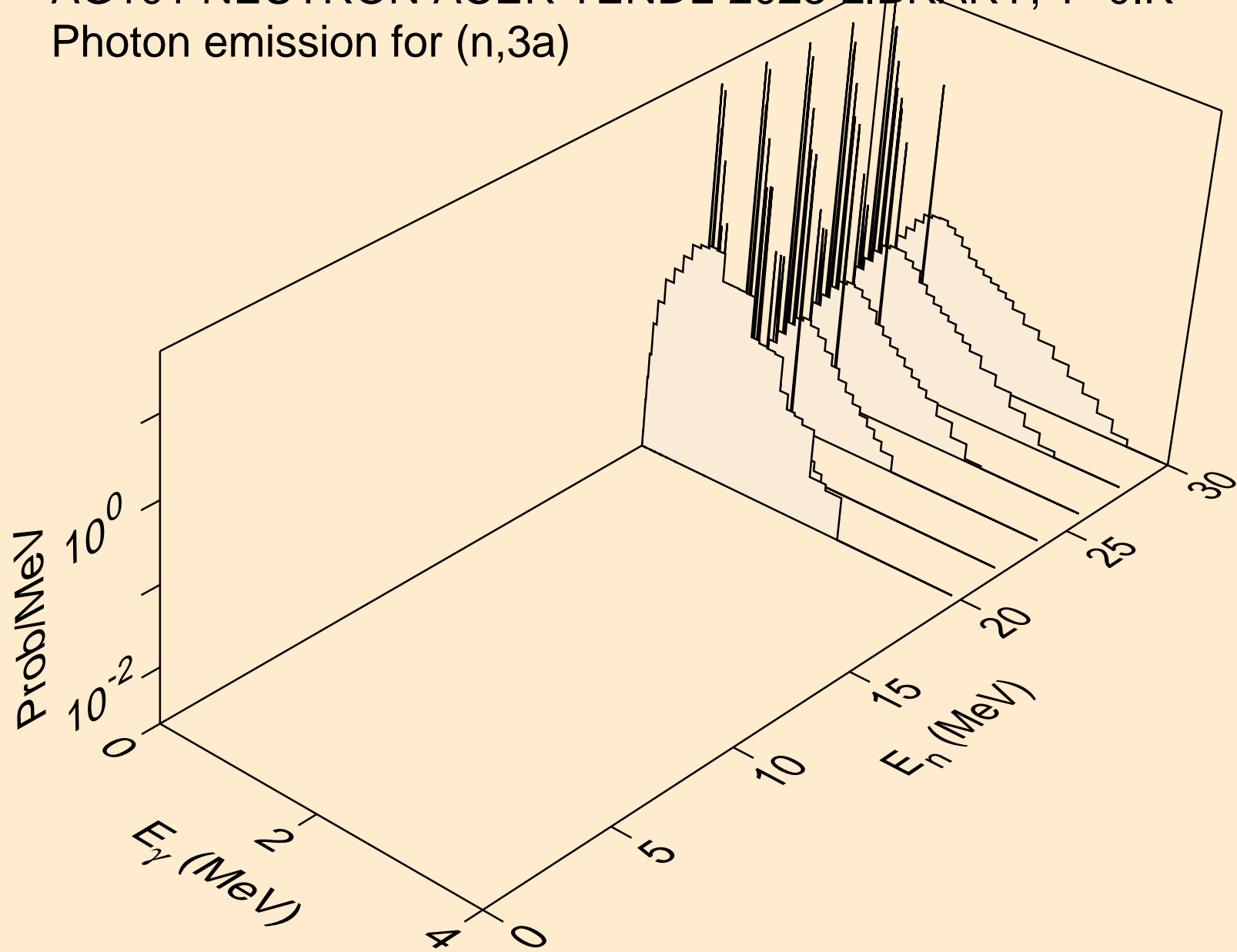


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Photon emission for (n,2a)

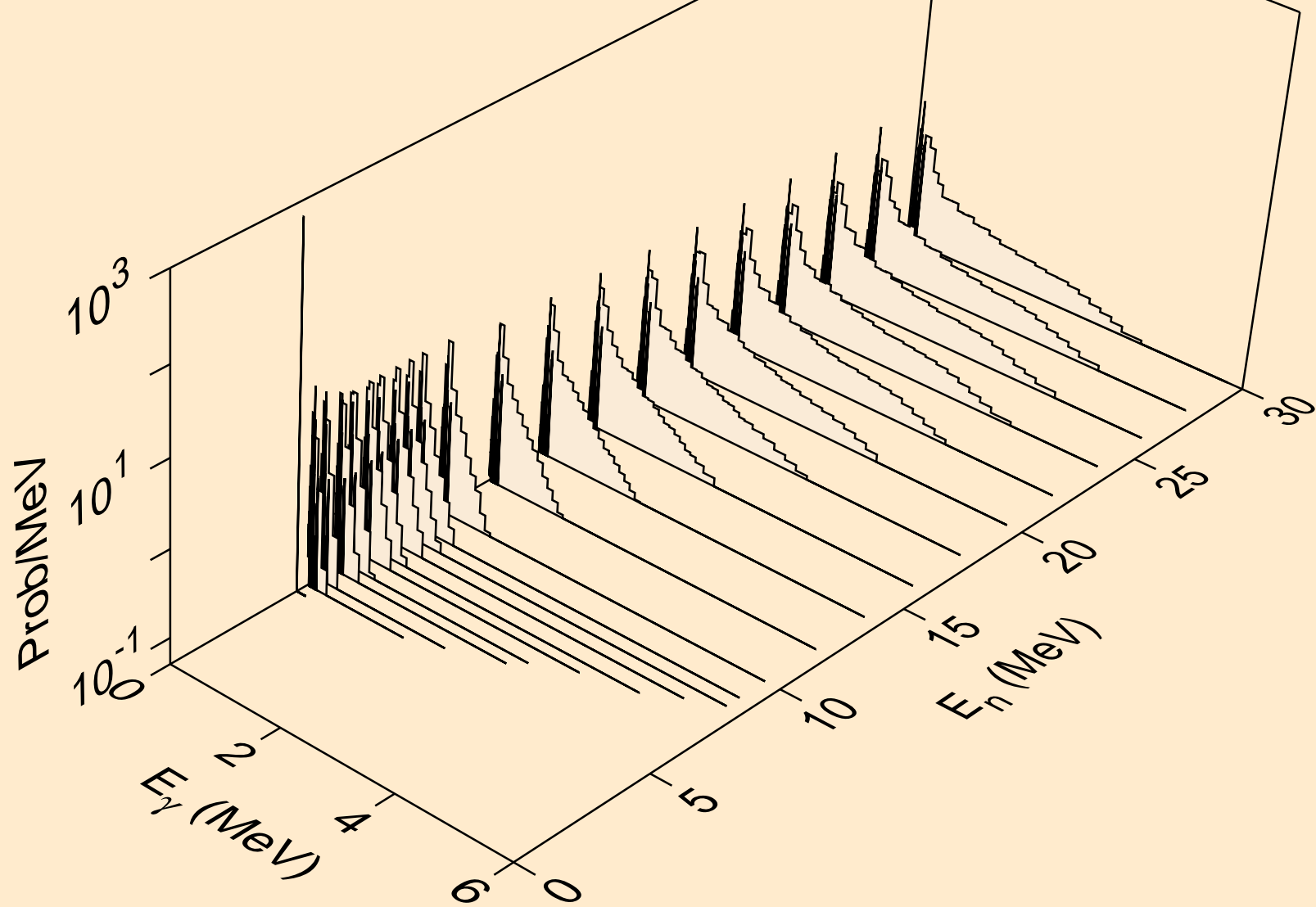




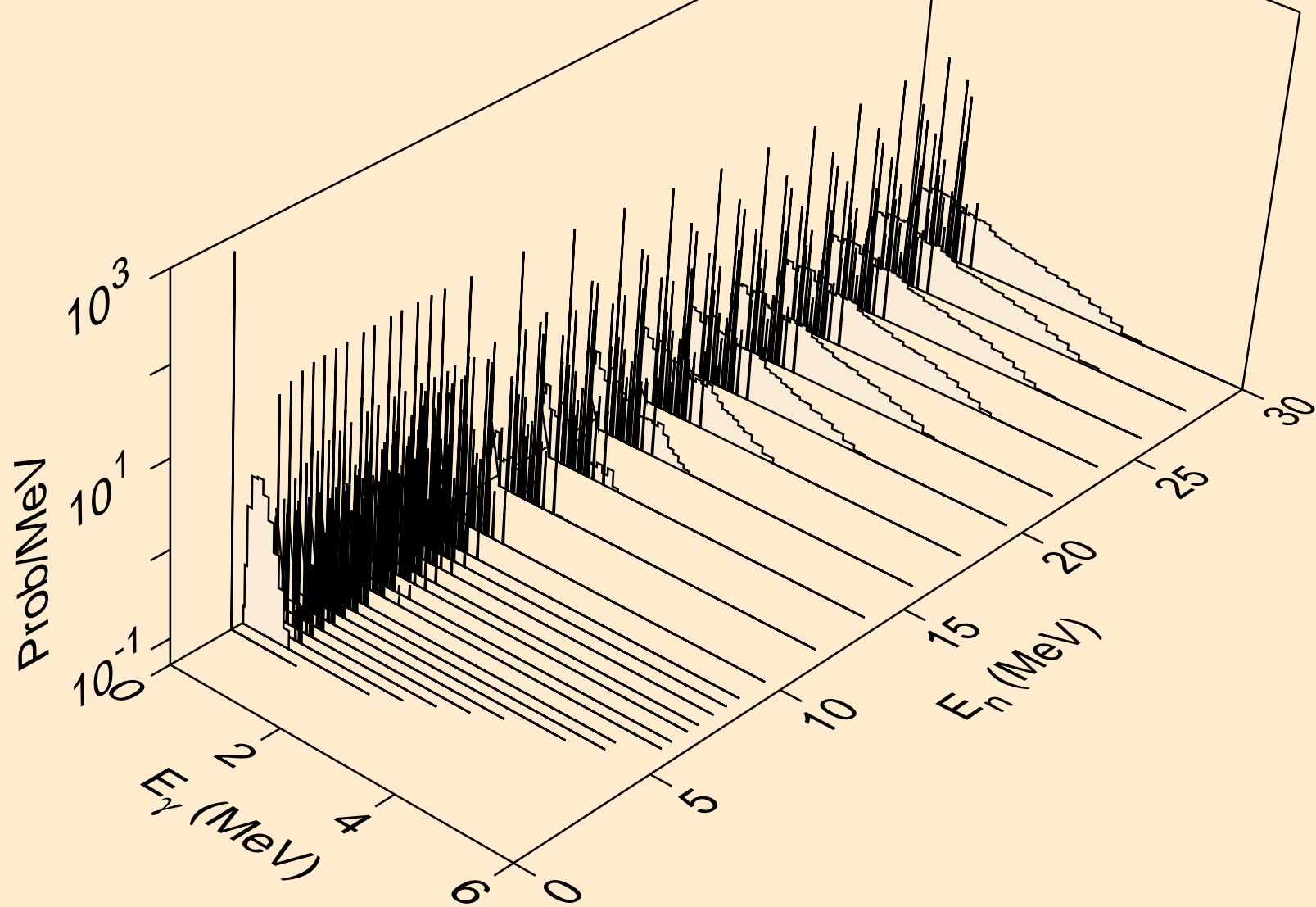
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Photon emission for (n,3a)



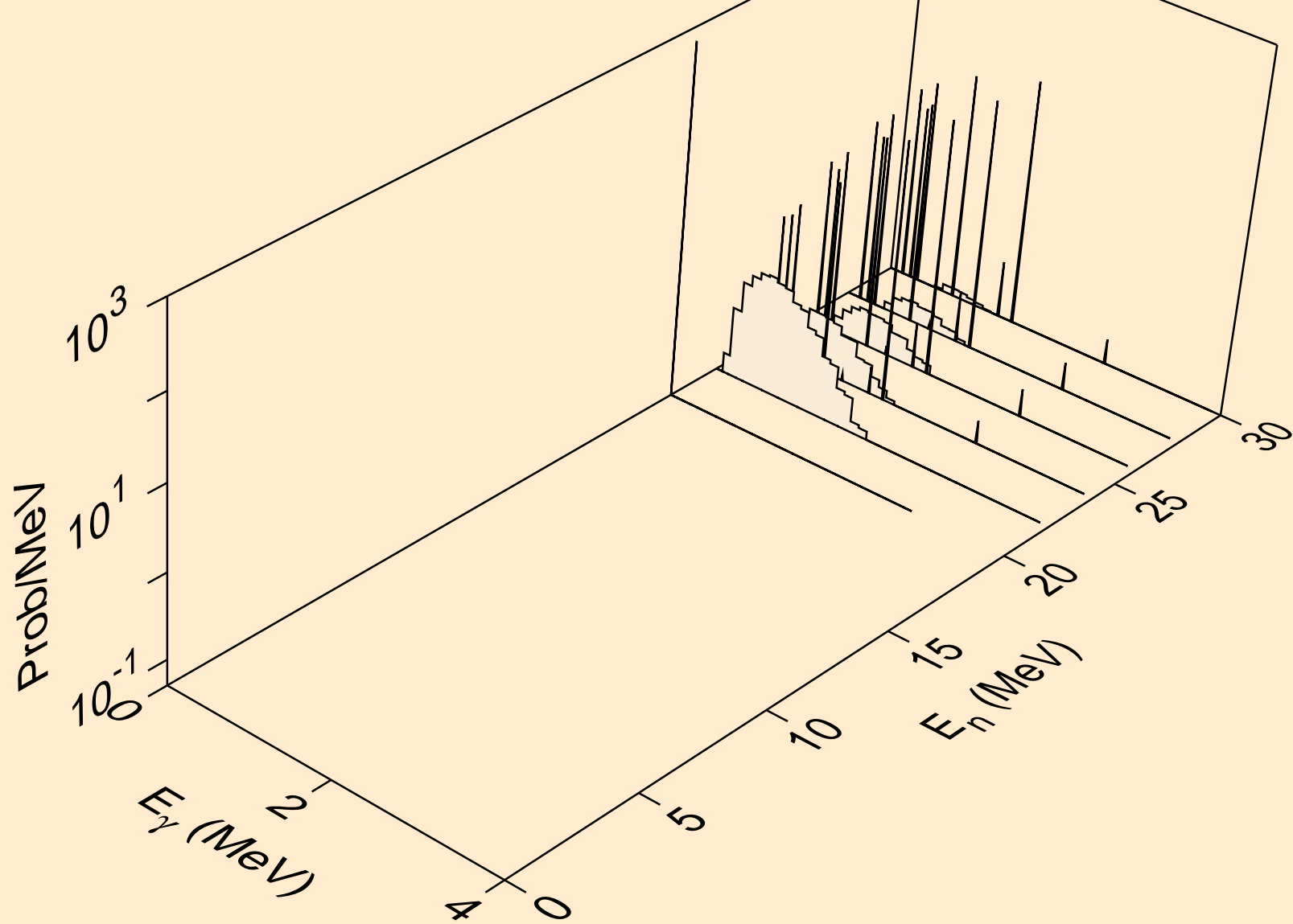
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Photon emission for (n,2p)



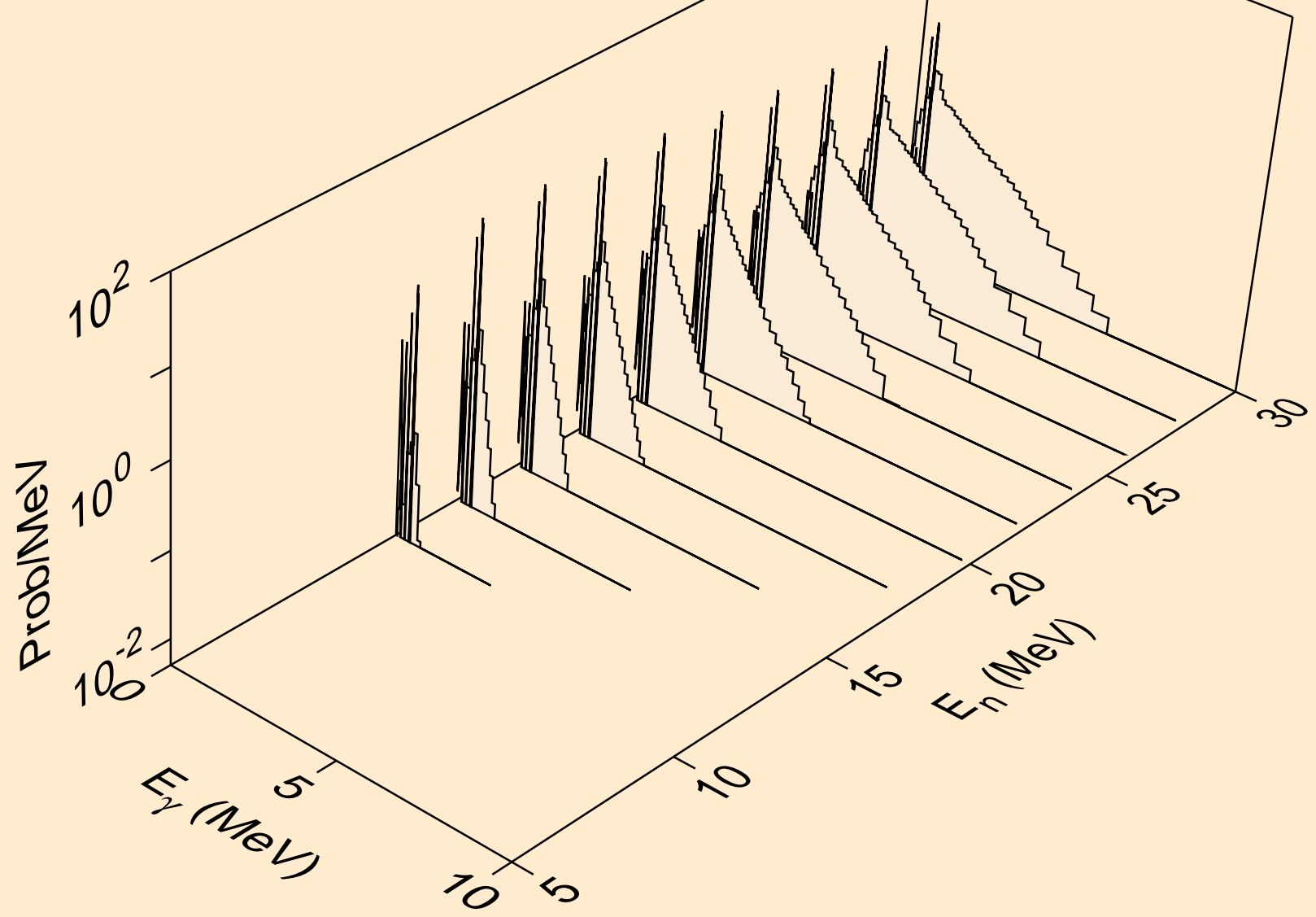
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Photon emission for (n,p $\alpha$ )



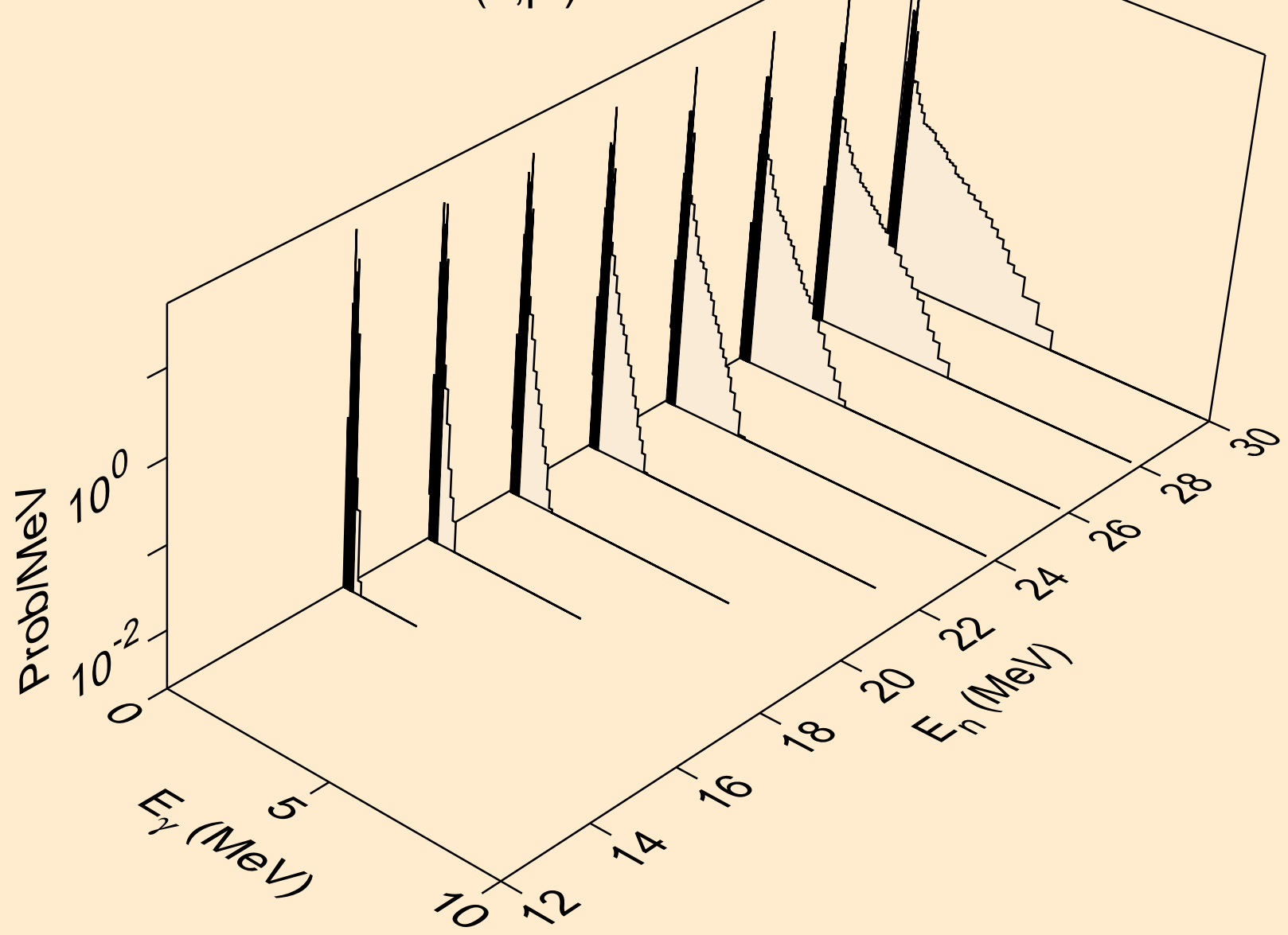
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Photon emission for (n,d2a)



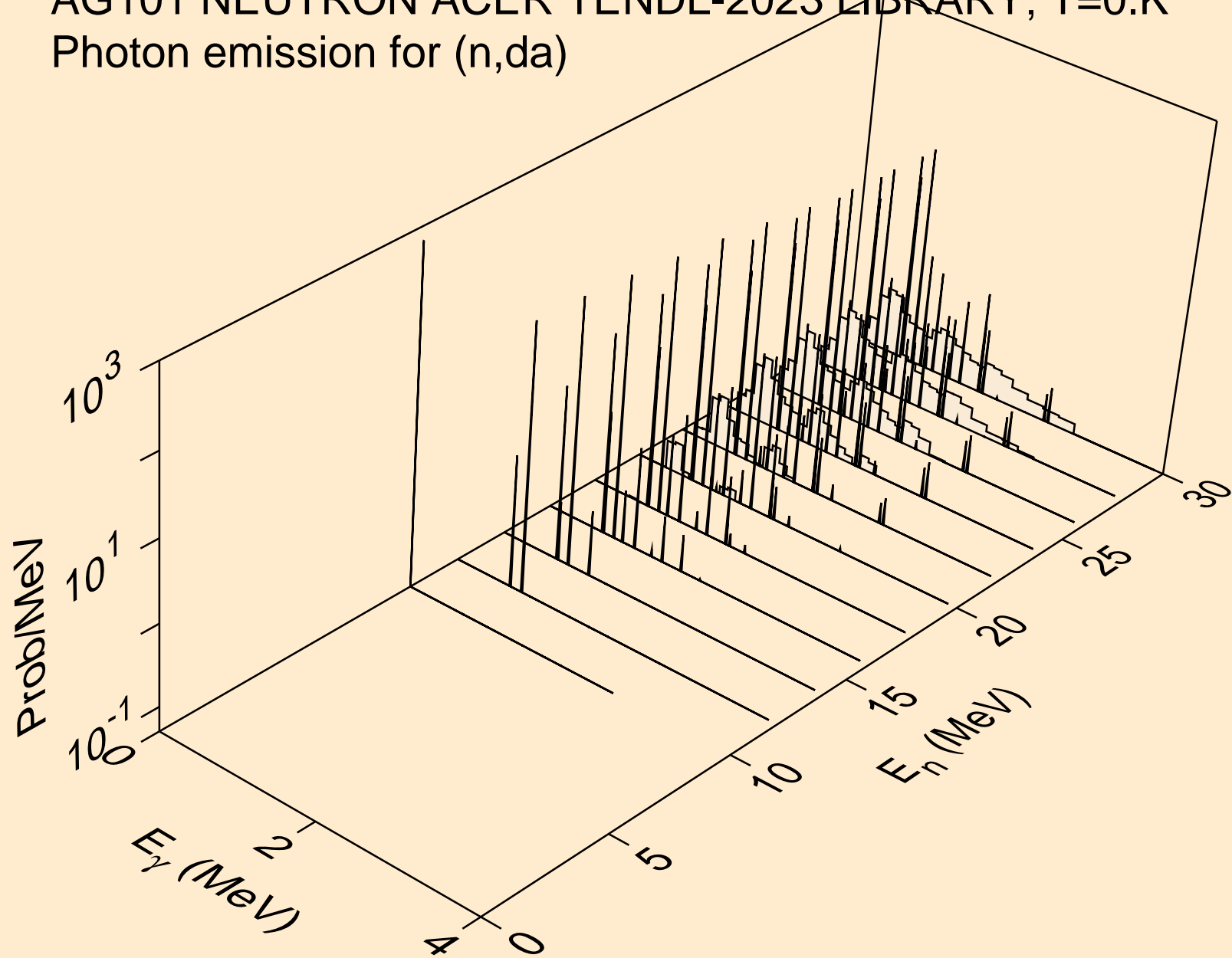
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



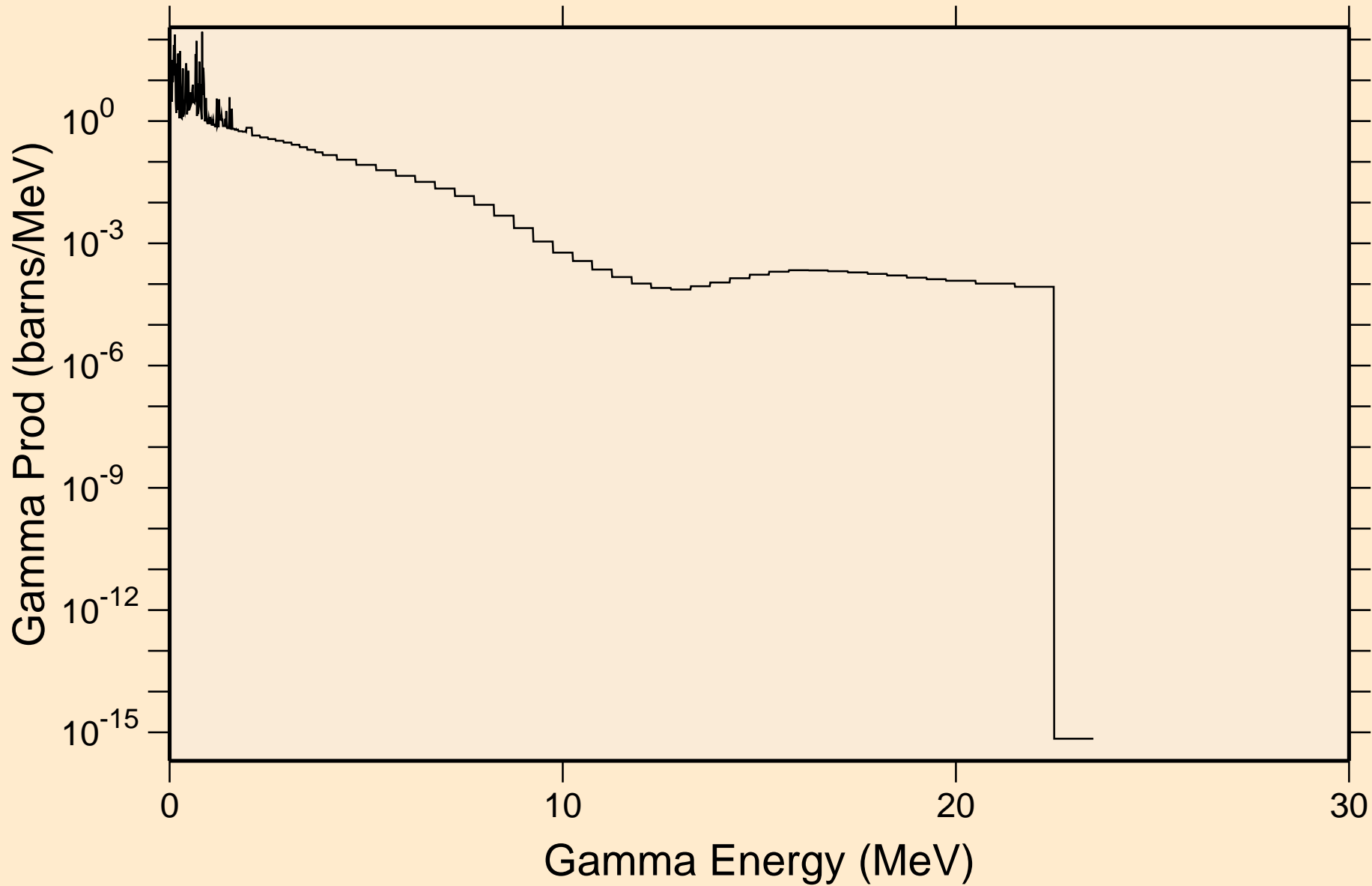
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Photon emission for (n,da)





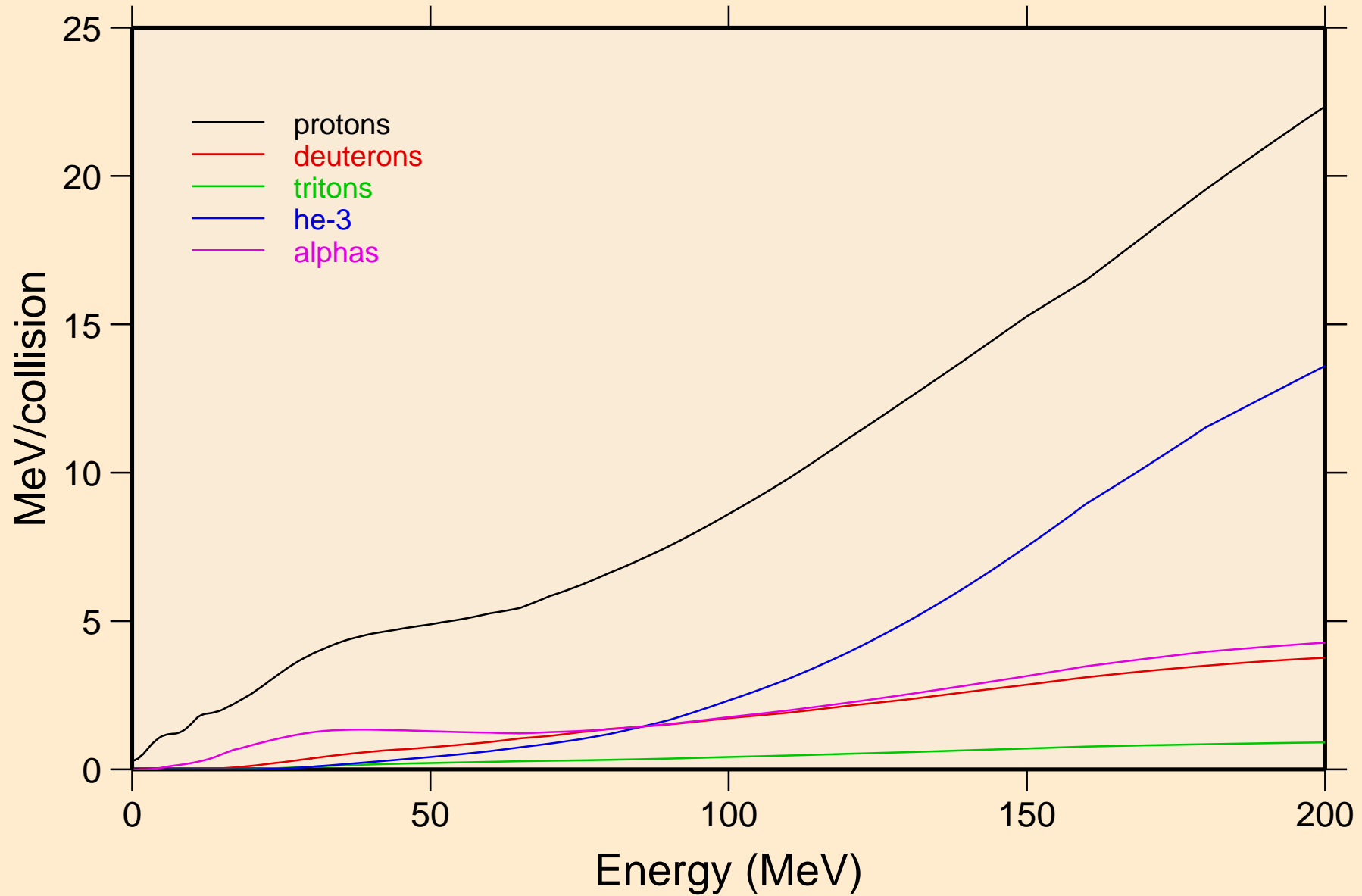


AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum



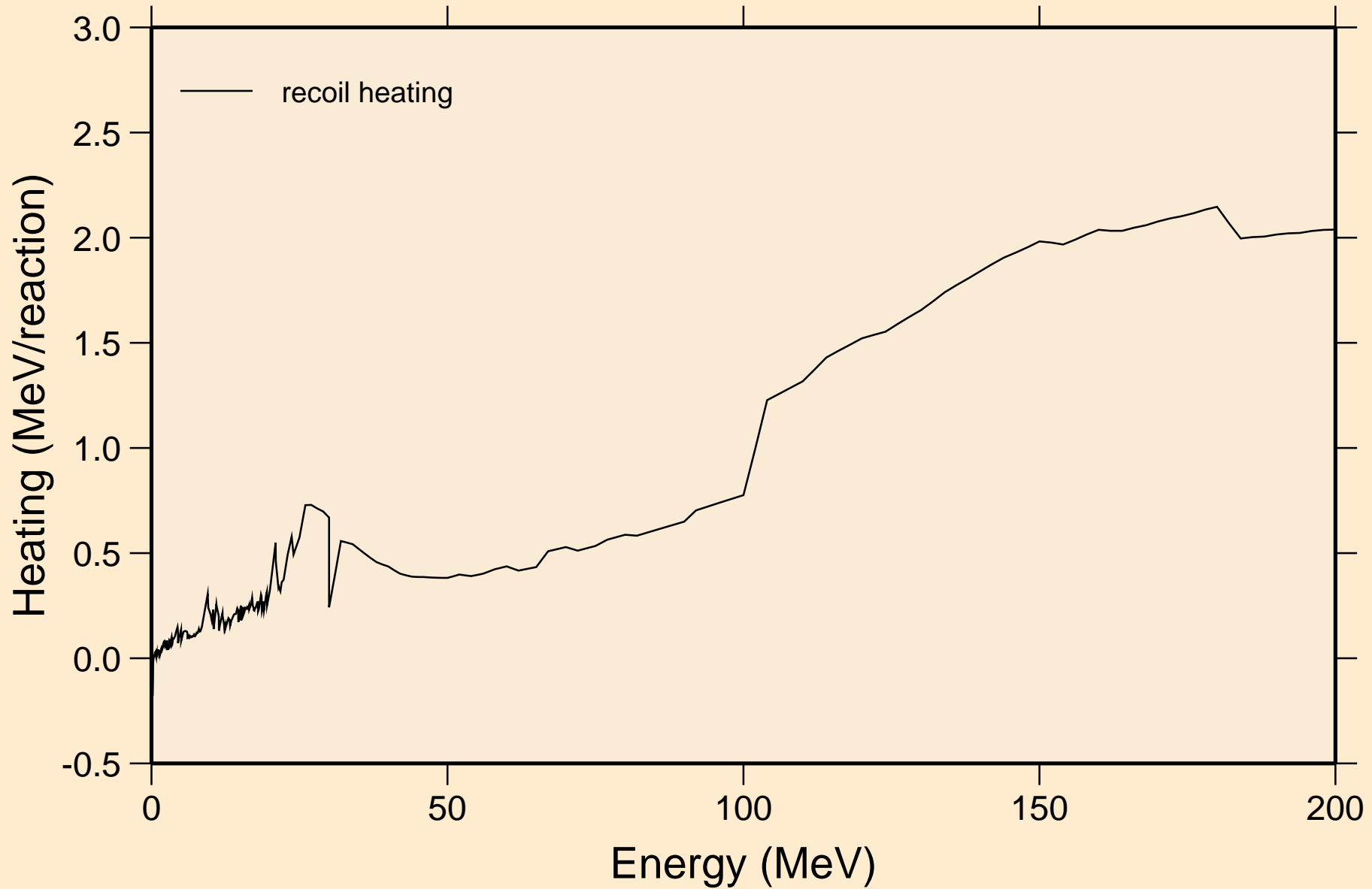
# AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

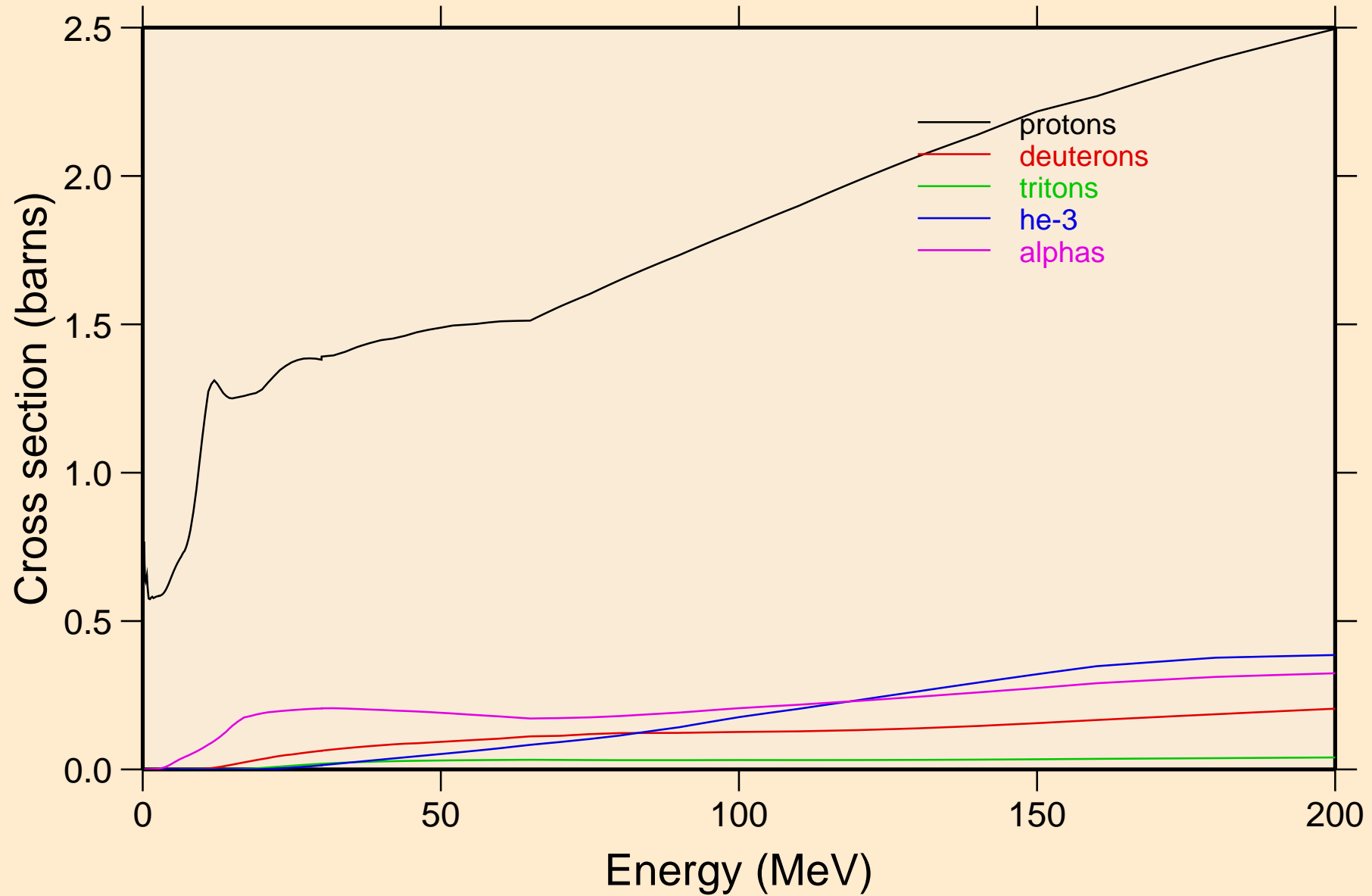


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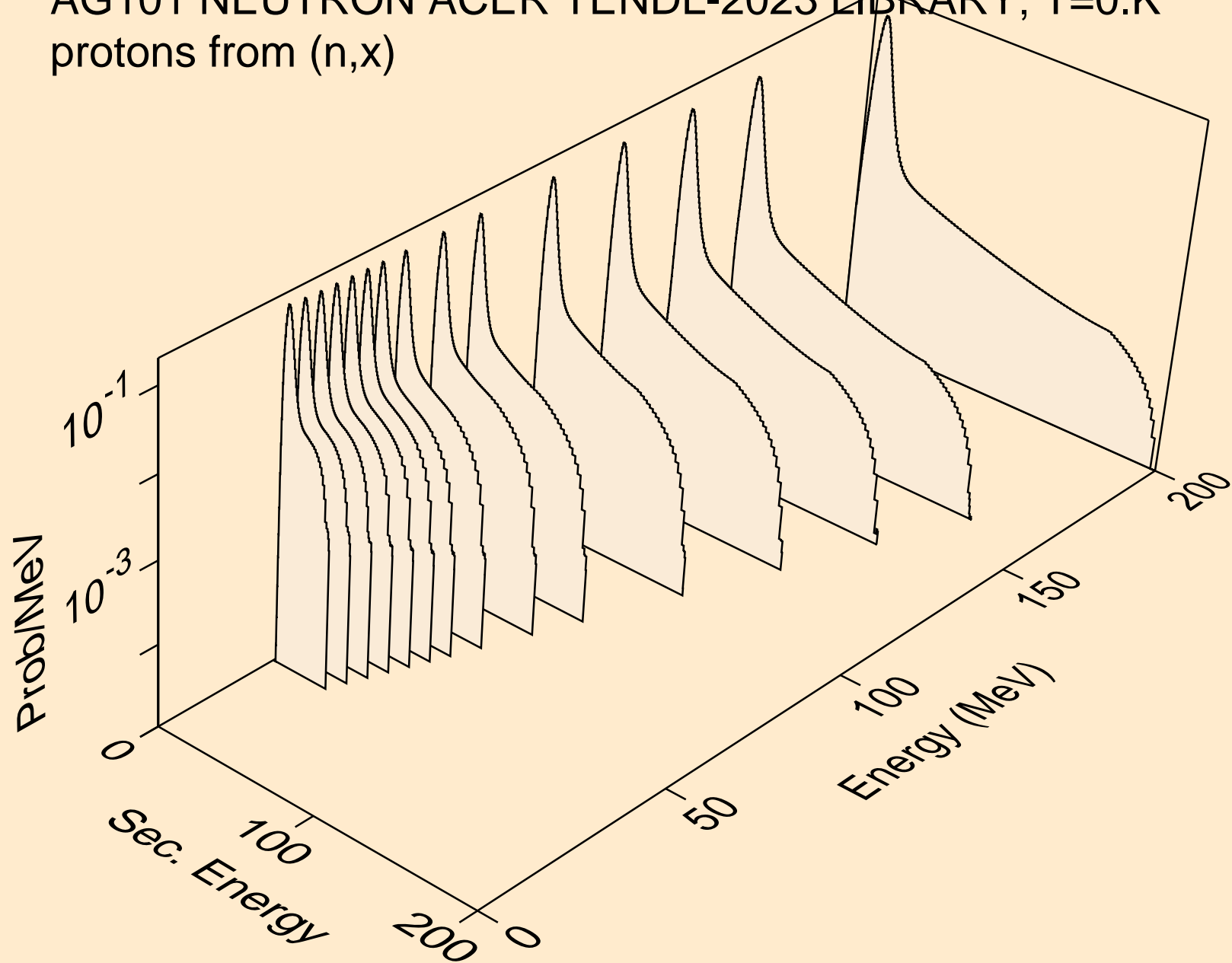
## Recoil Heating



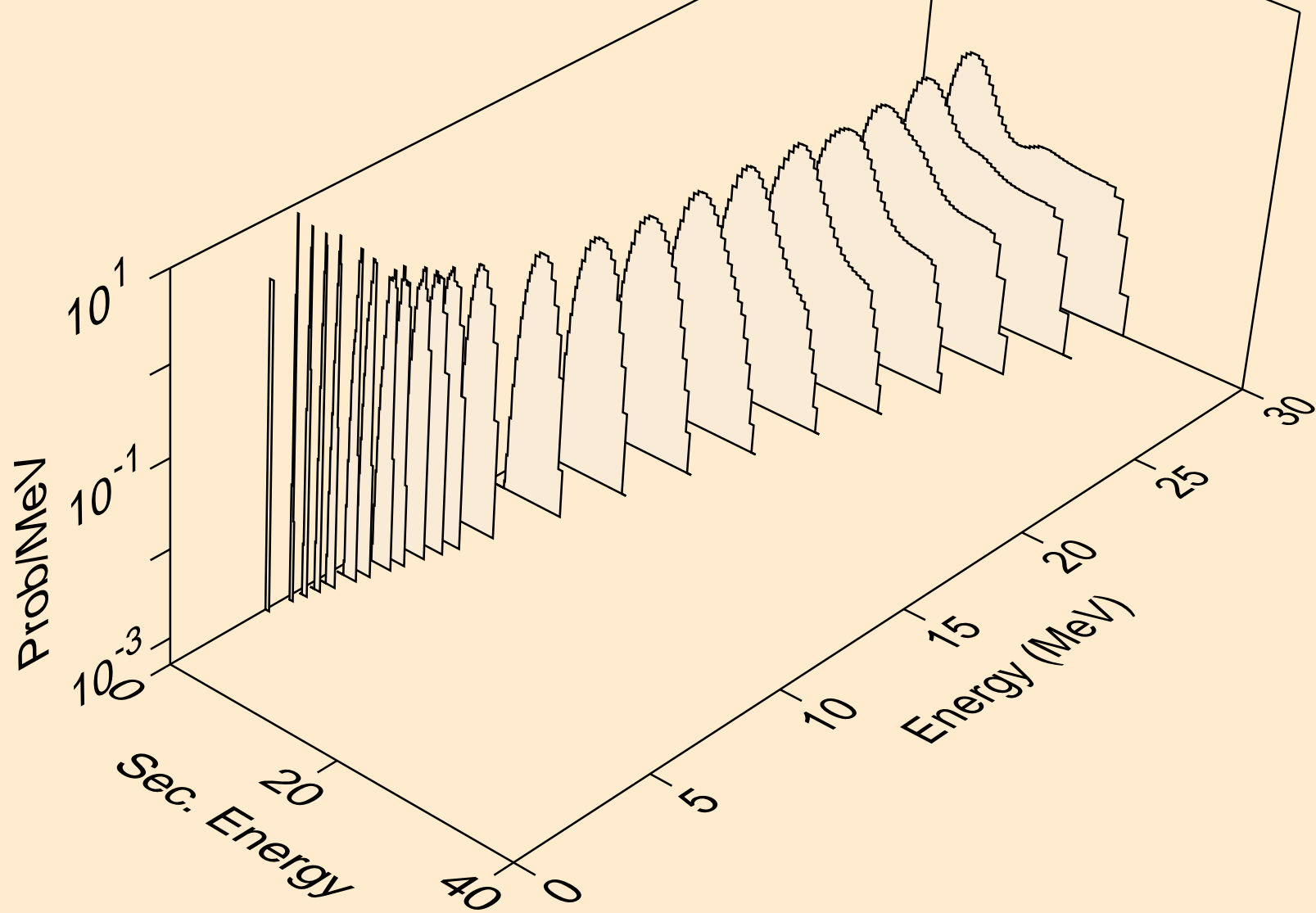
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Particle production cross sections



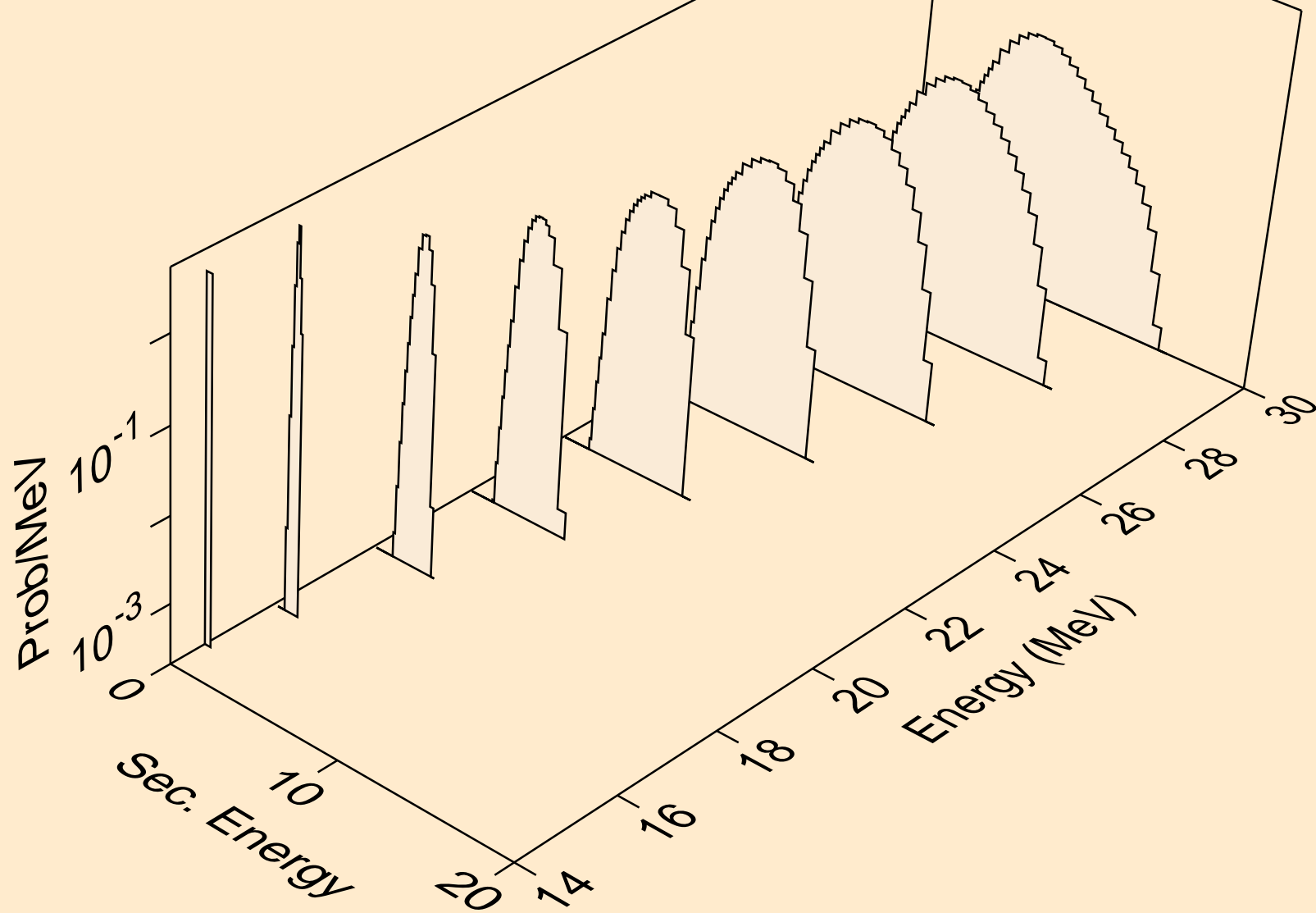
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protons from (n,x)



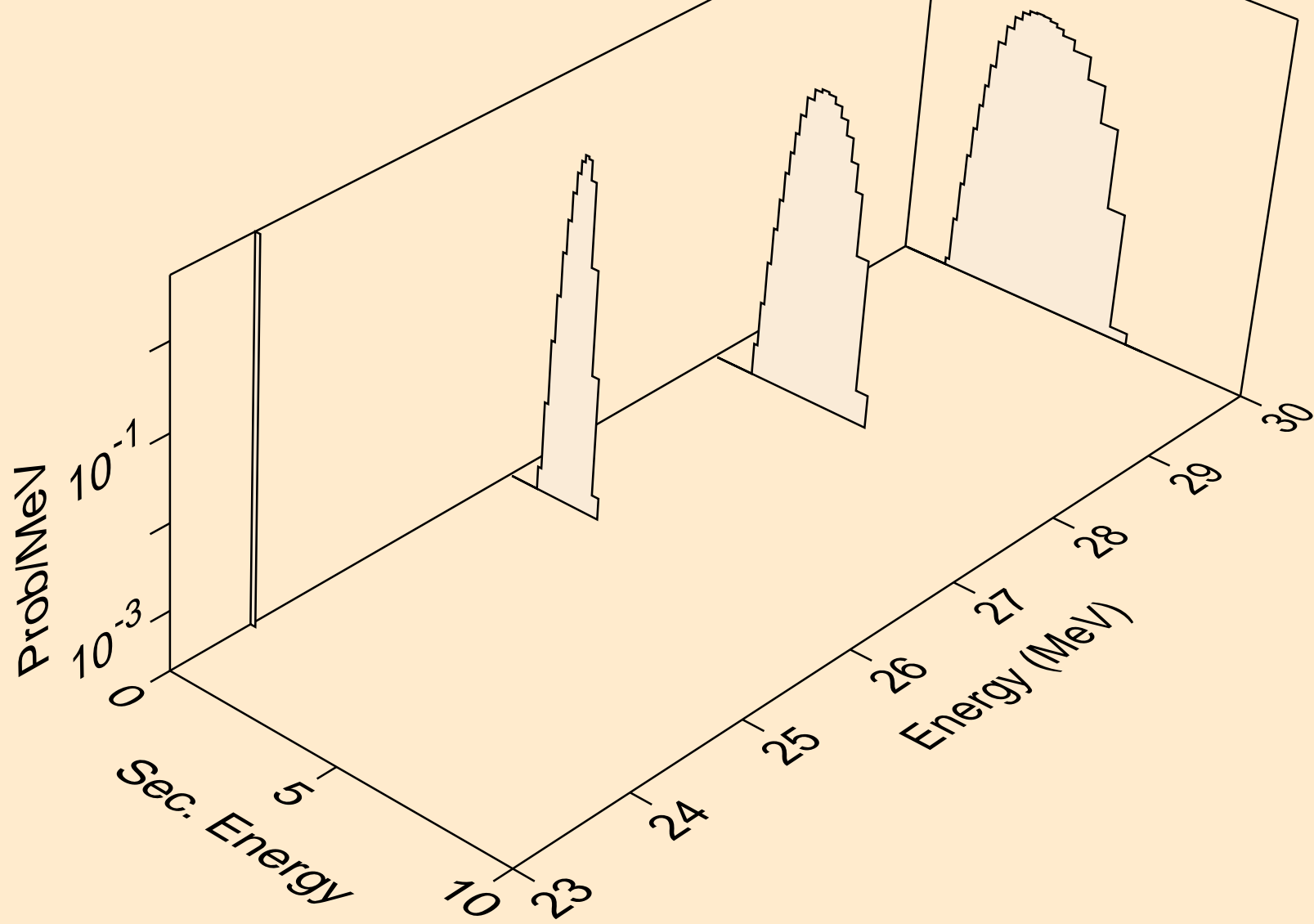
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)

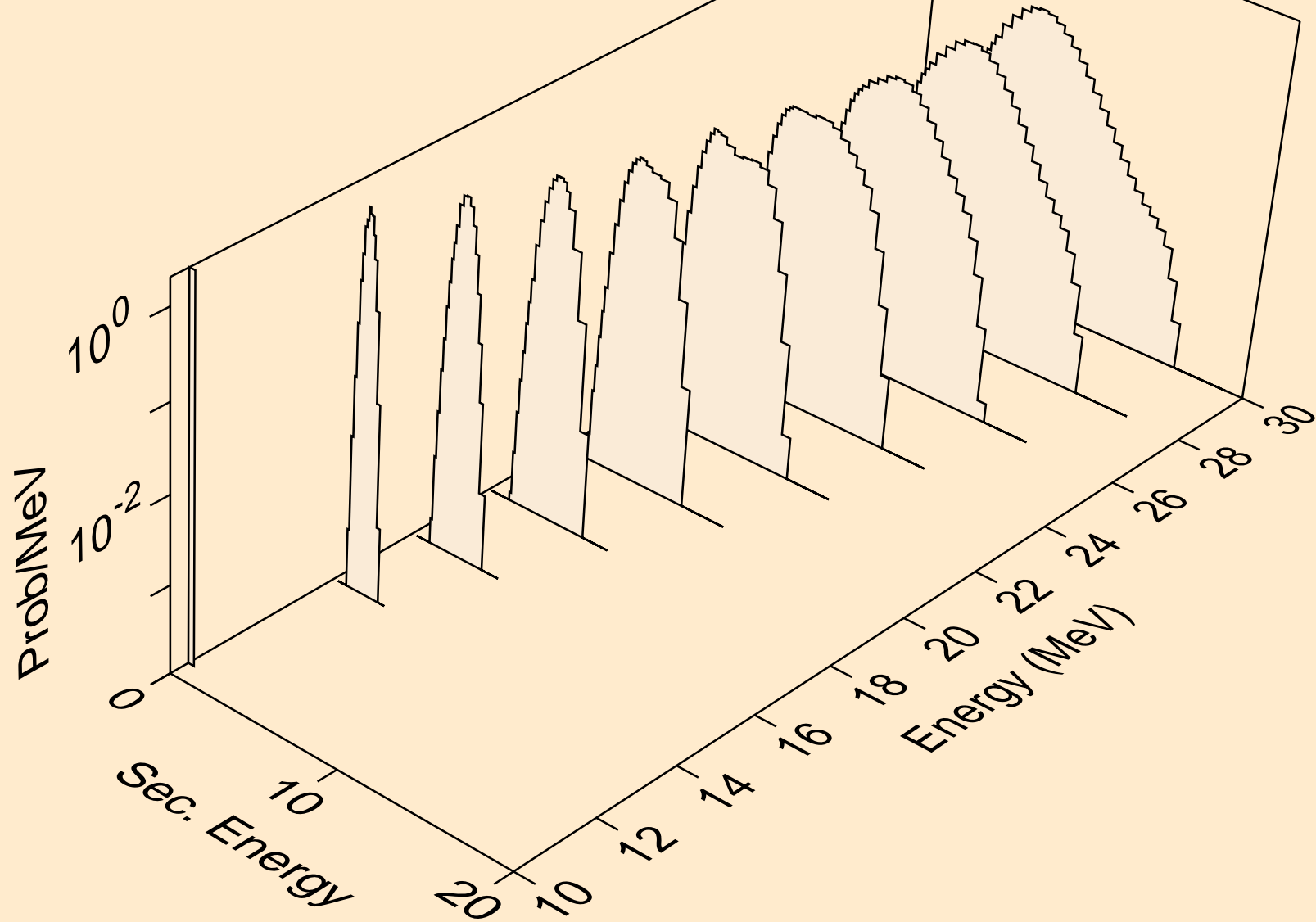


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protons from (n,3np)

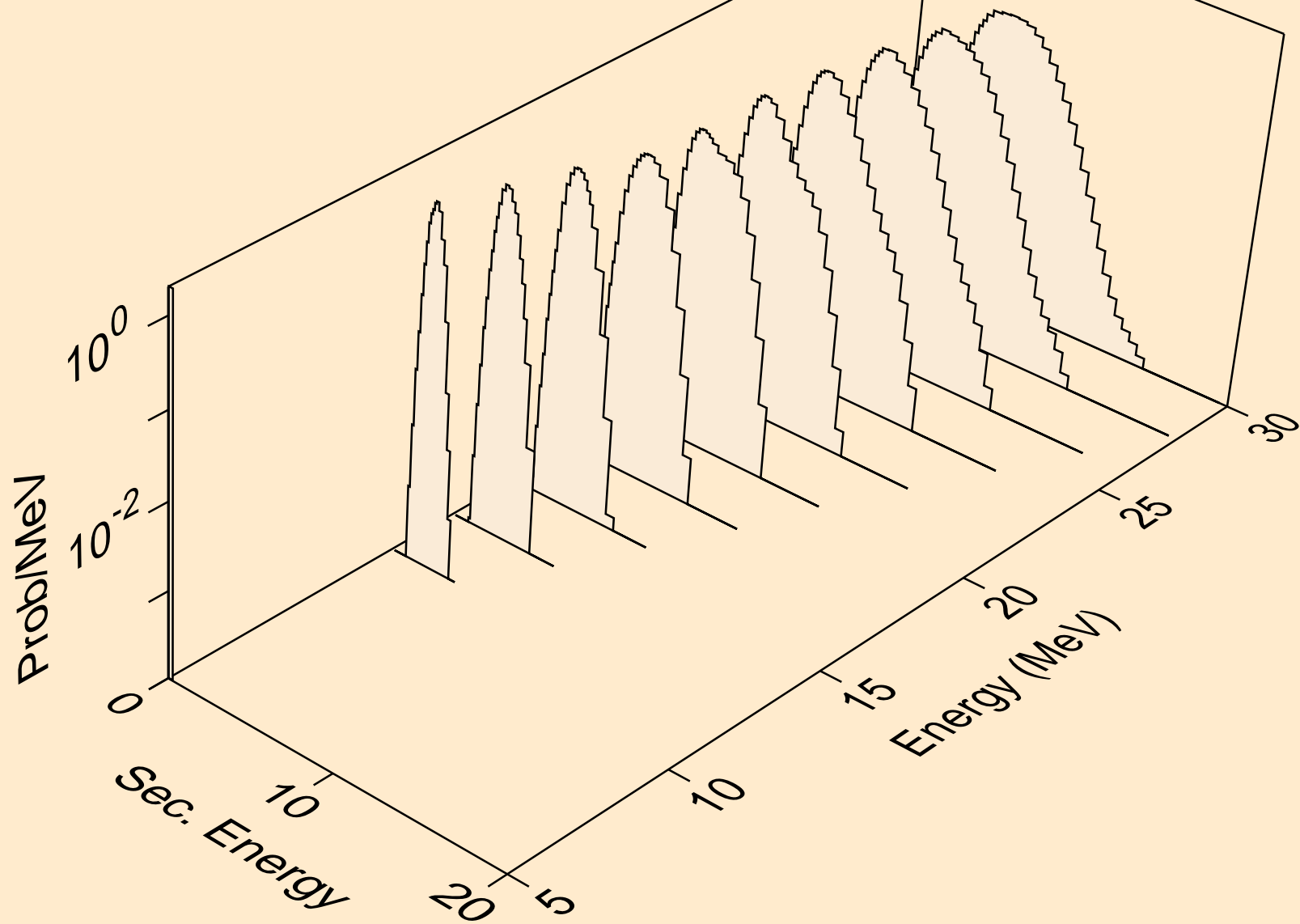




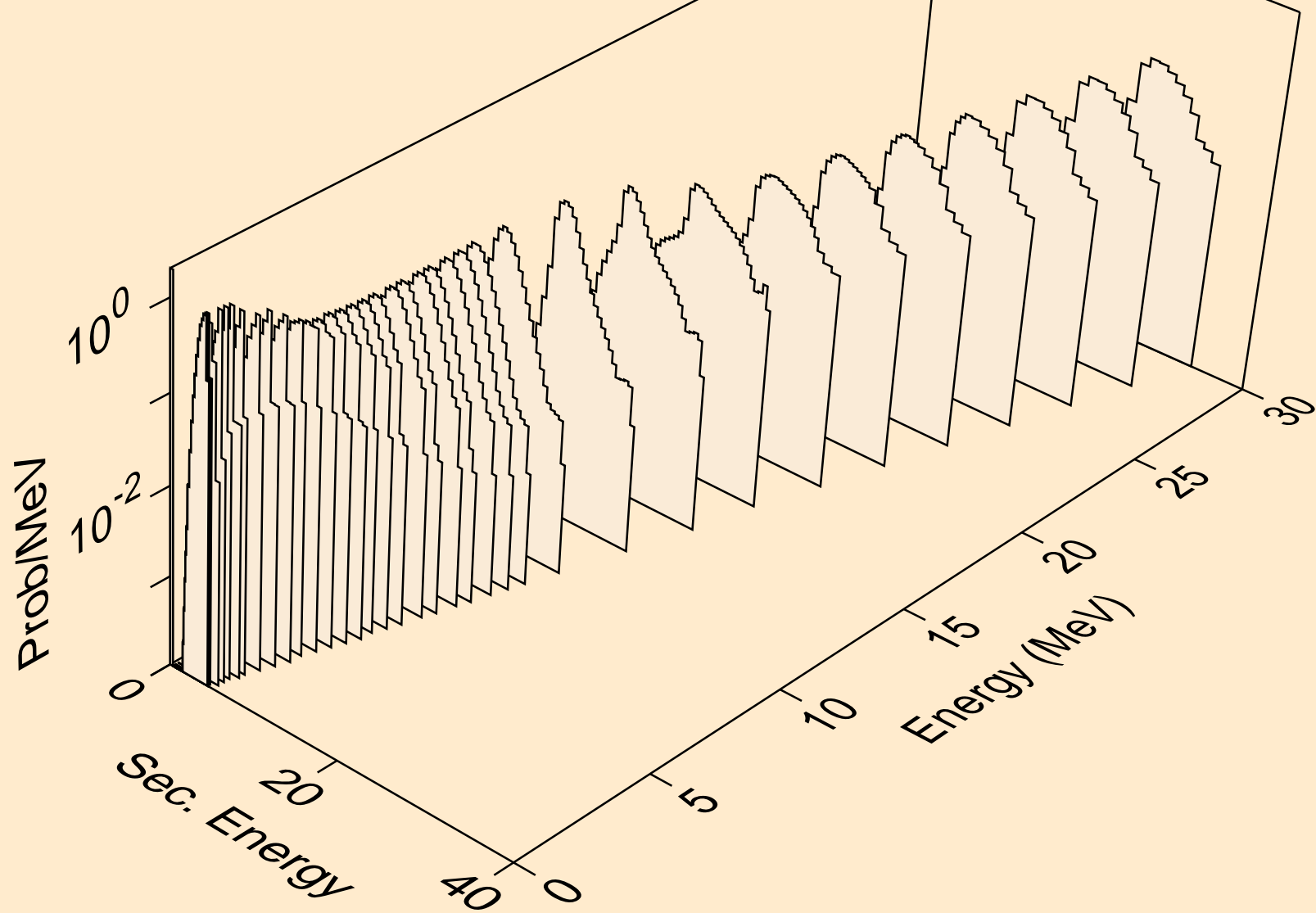
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protons from (n,n2p)



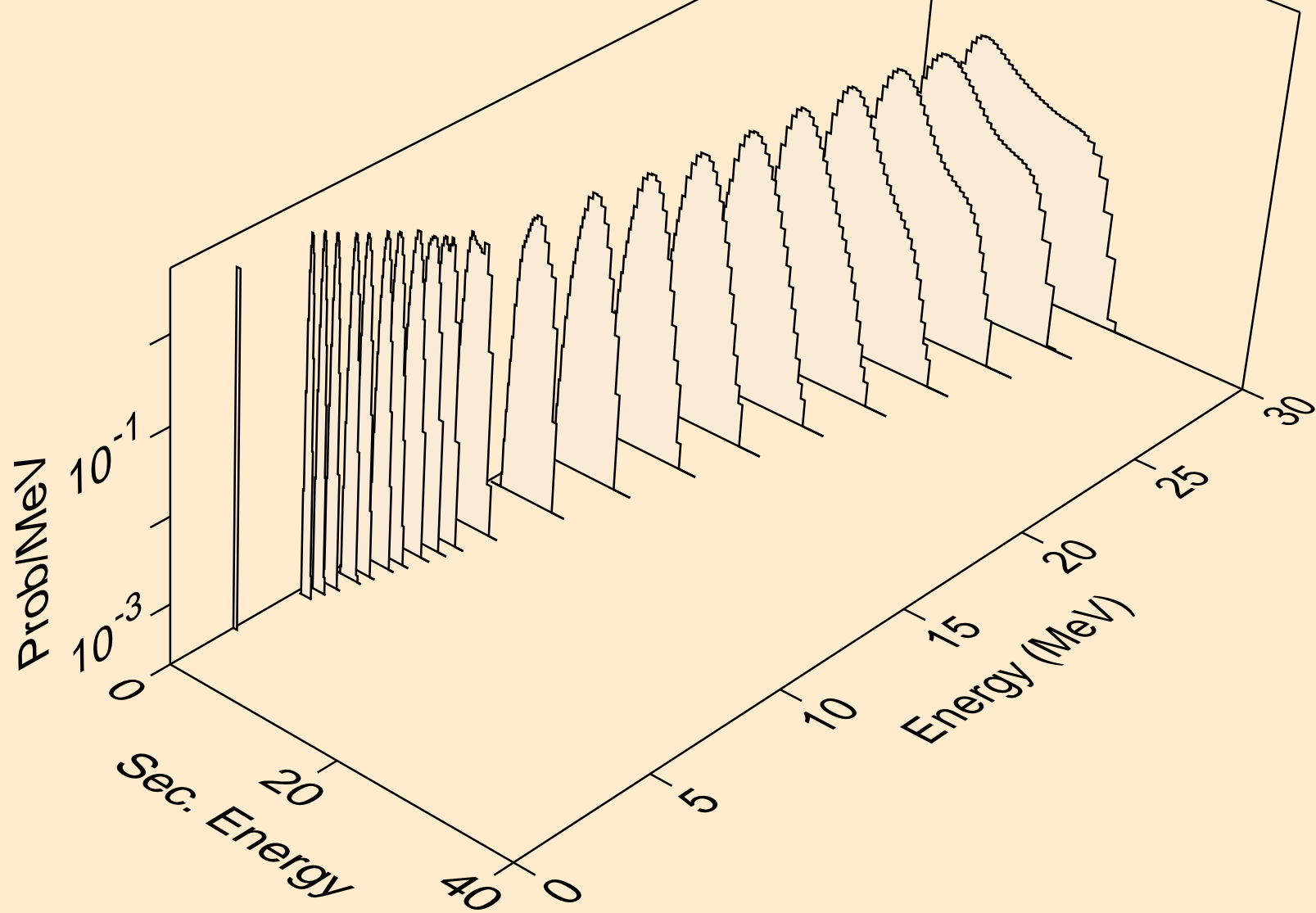
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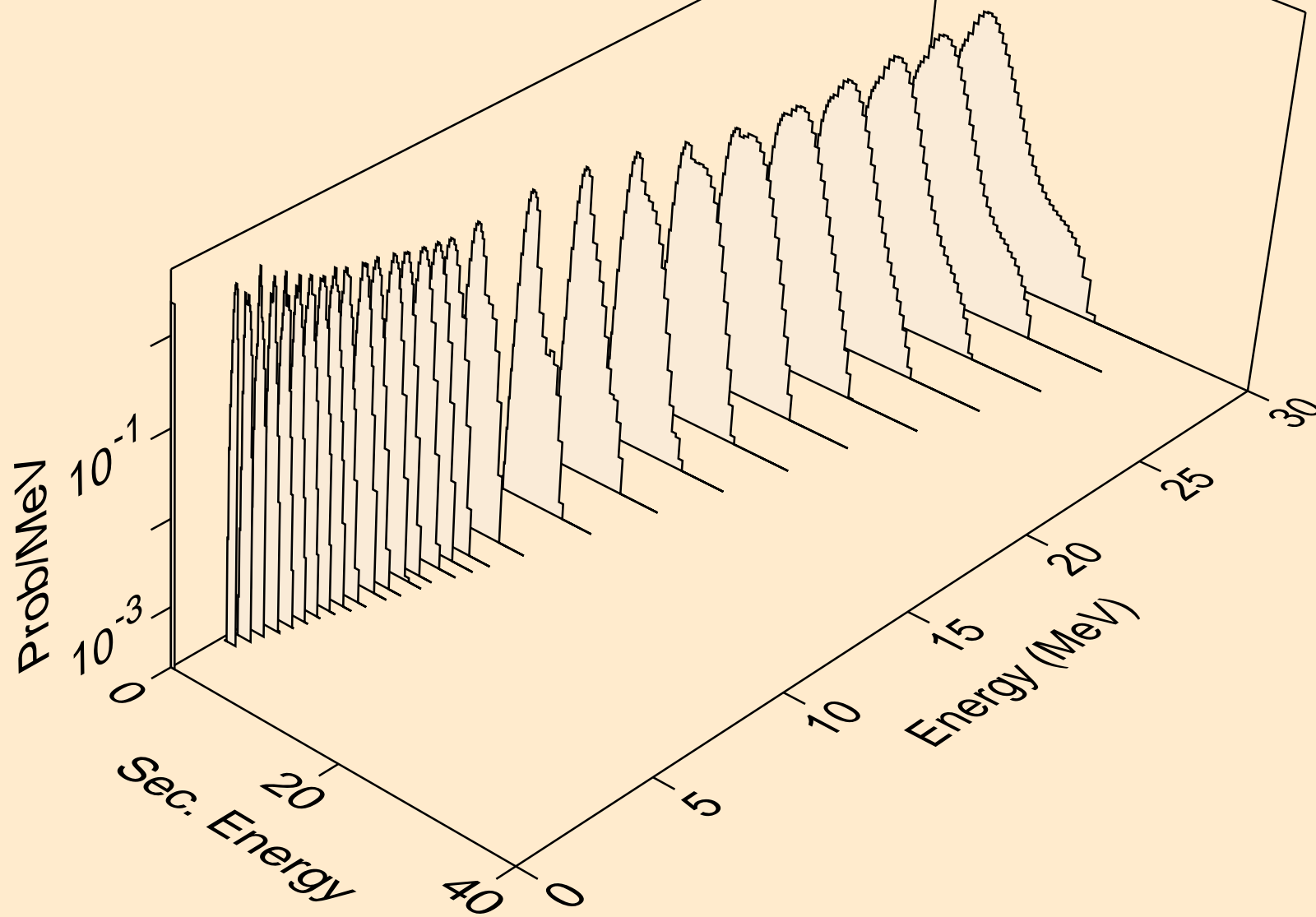
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protons from (n,p)



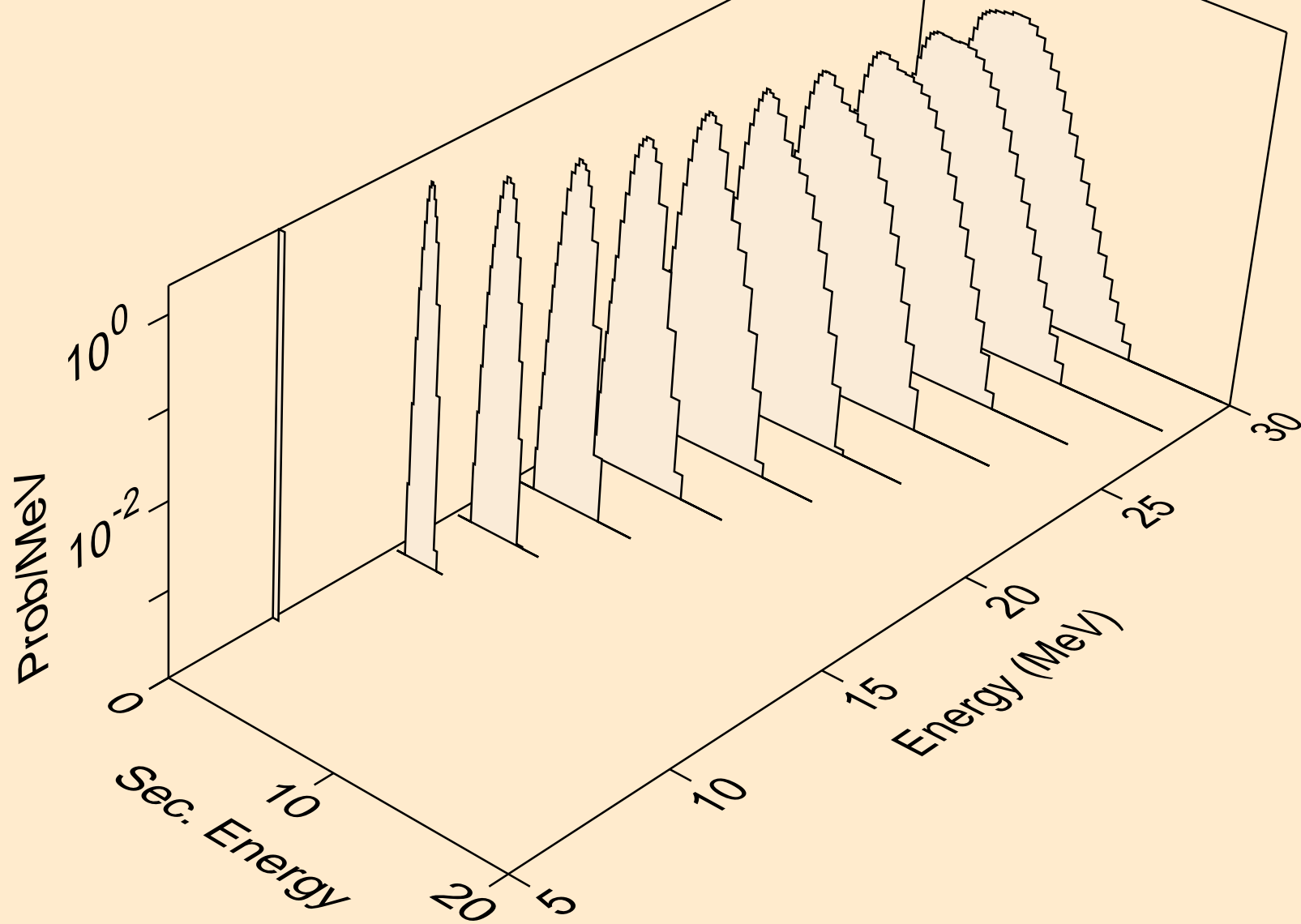
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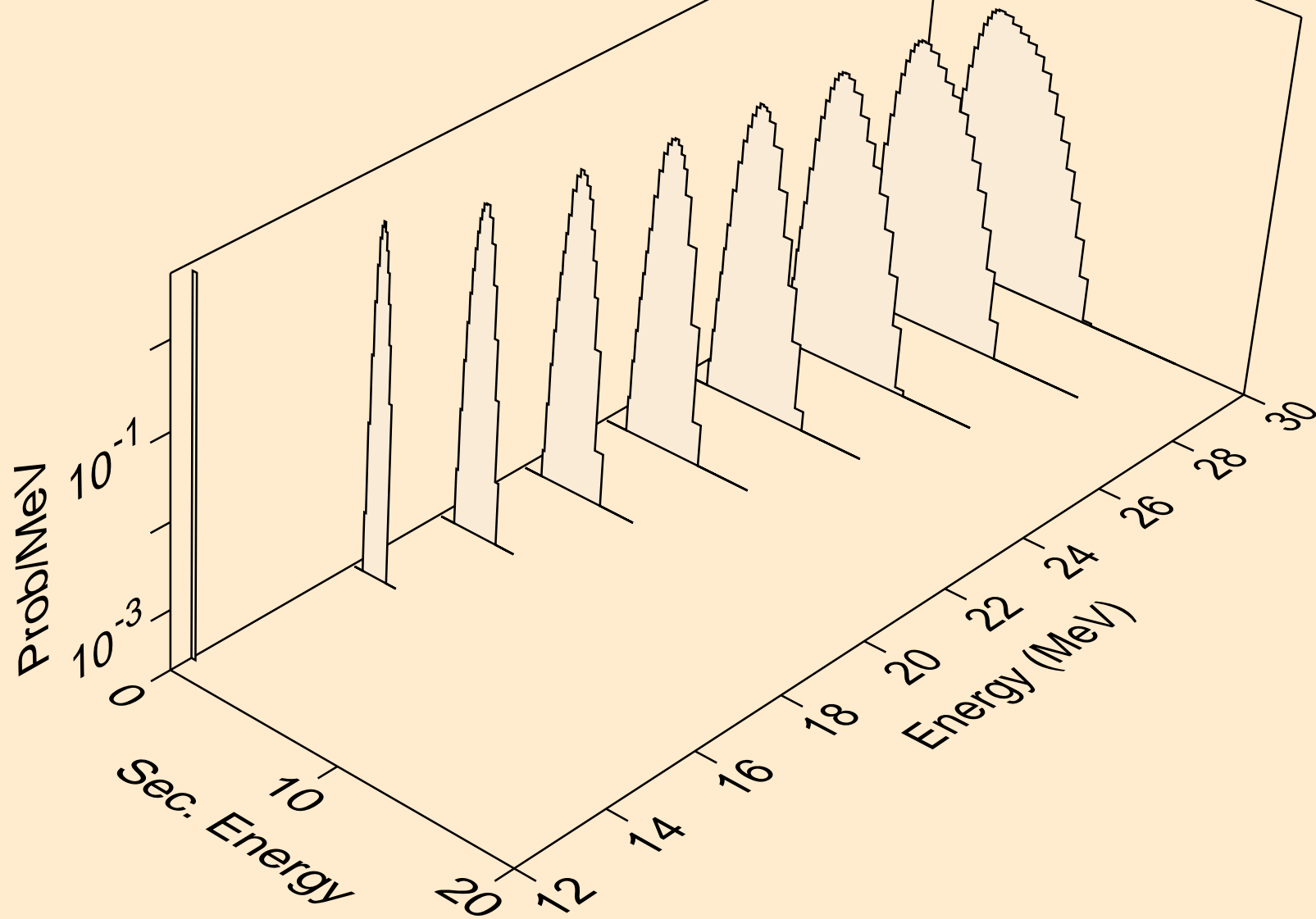
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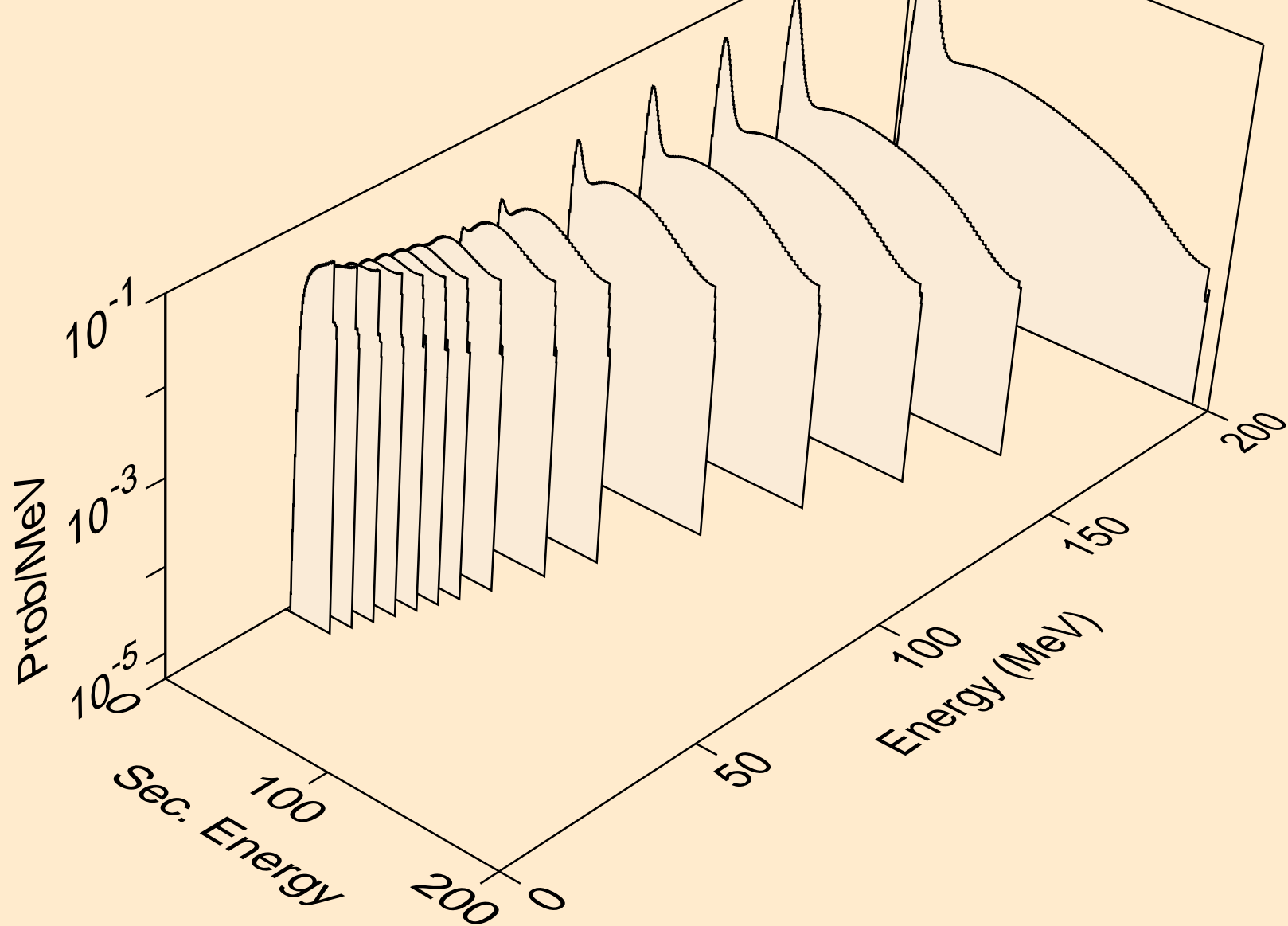
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protons from (n,pd)



AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pt)

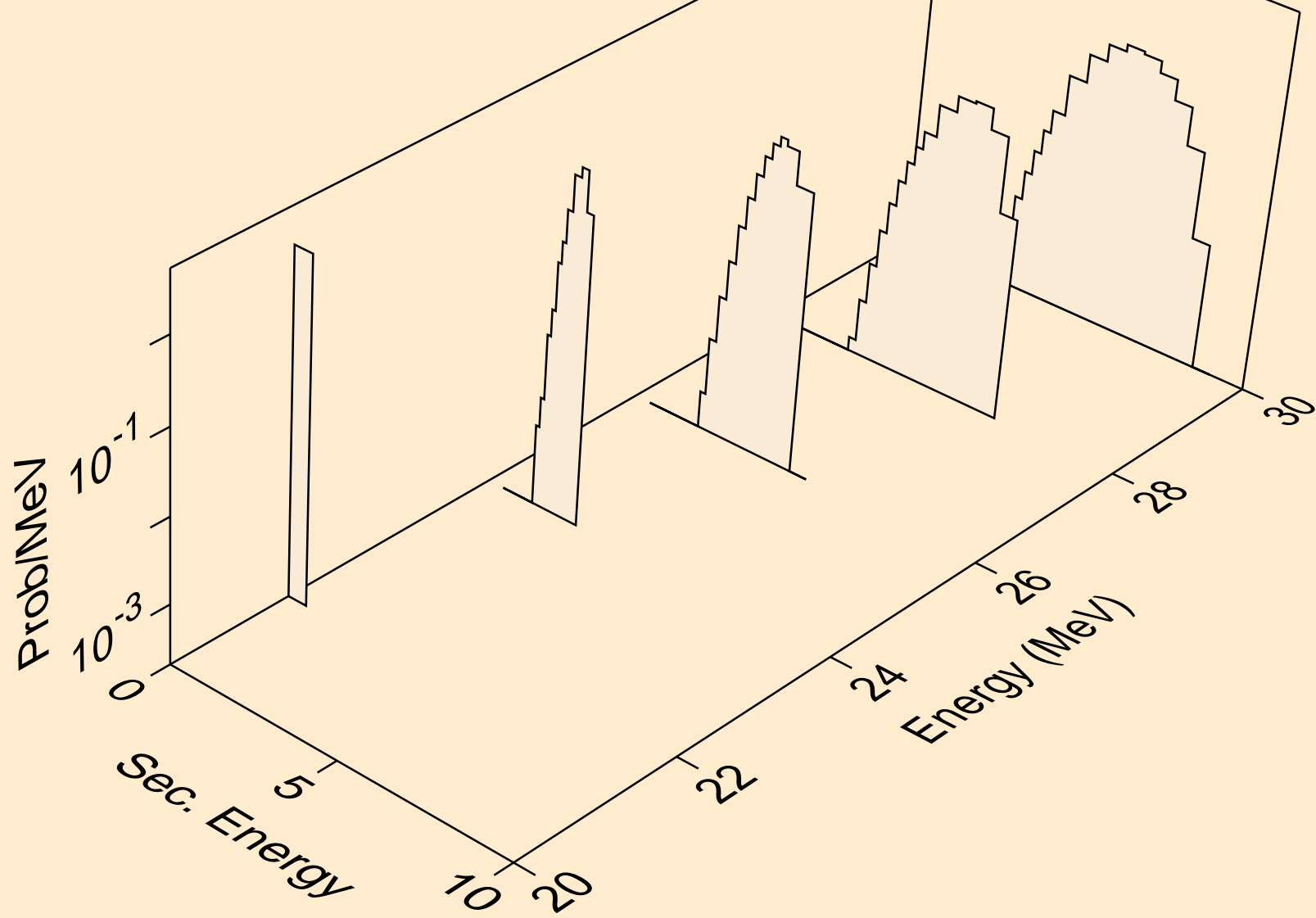


AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)

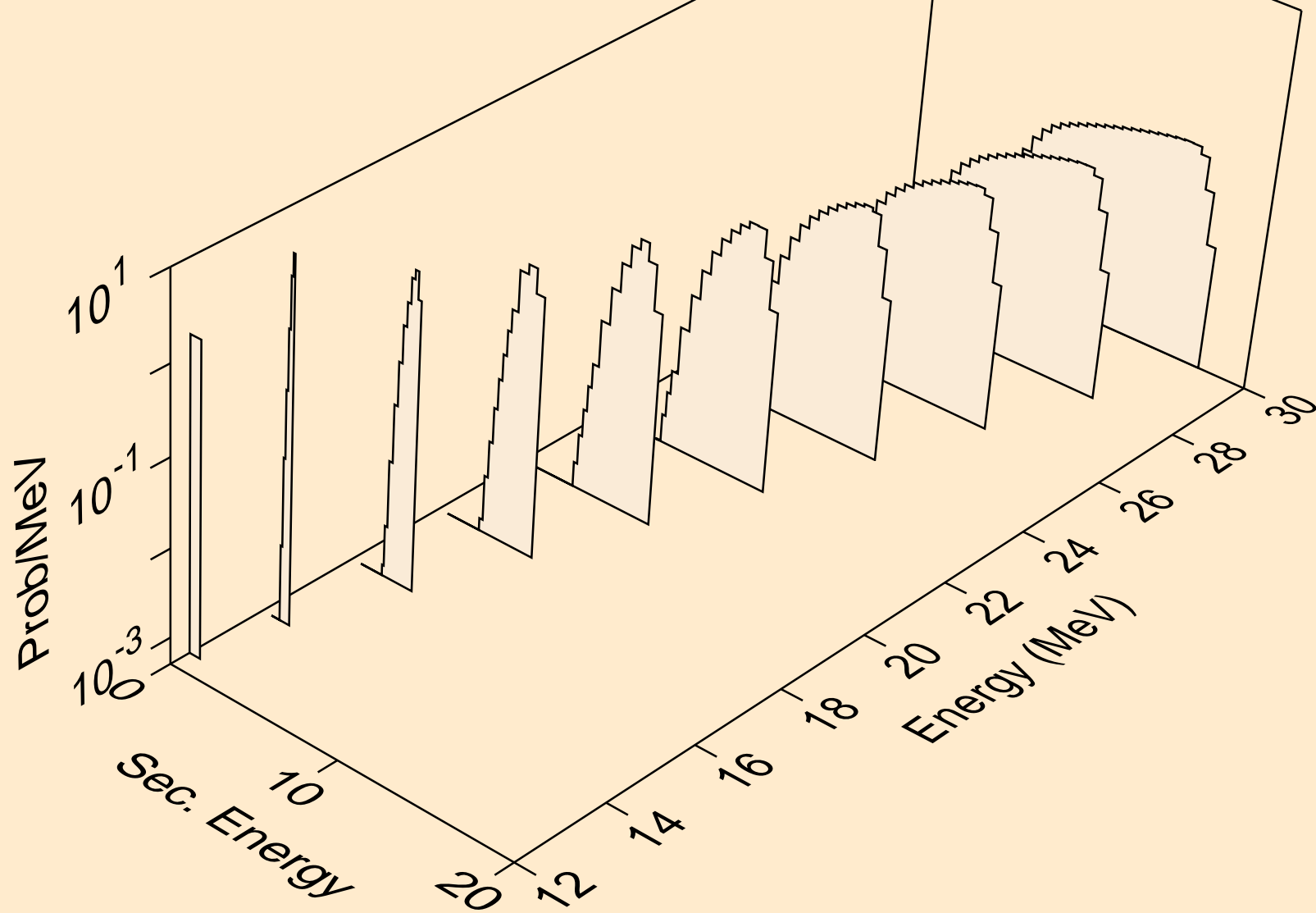




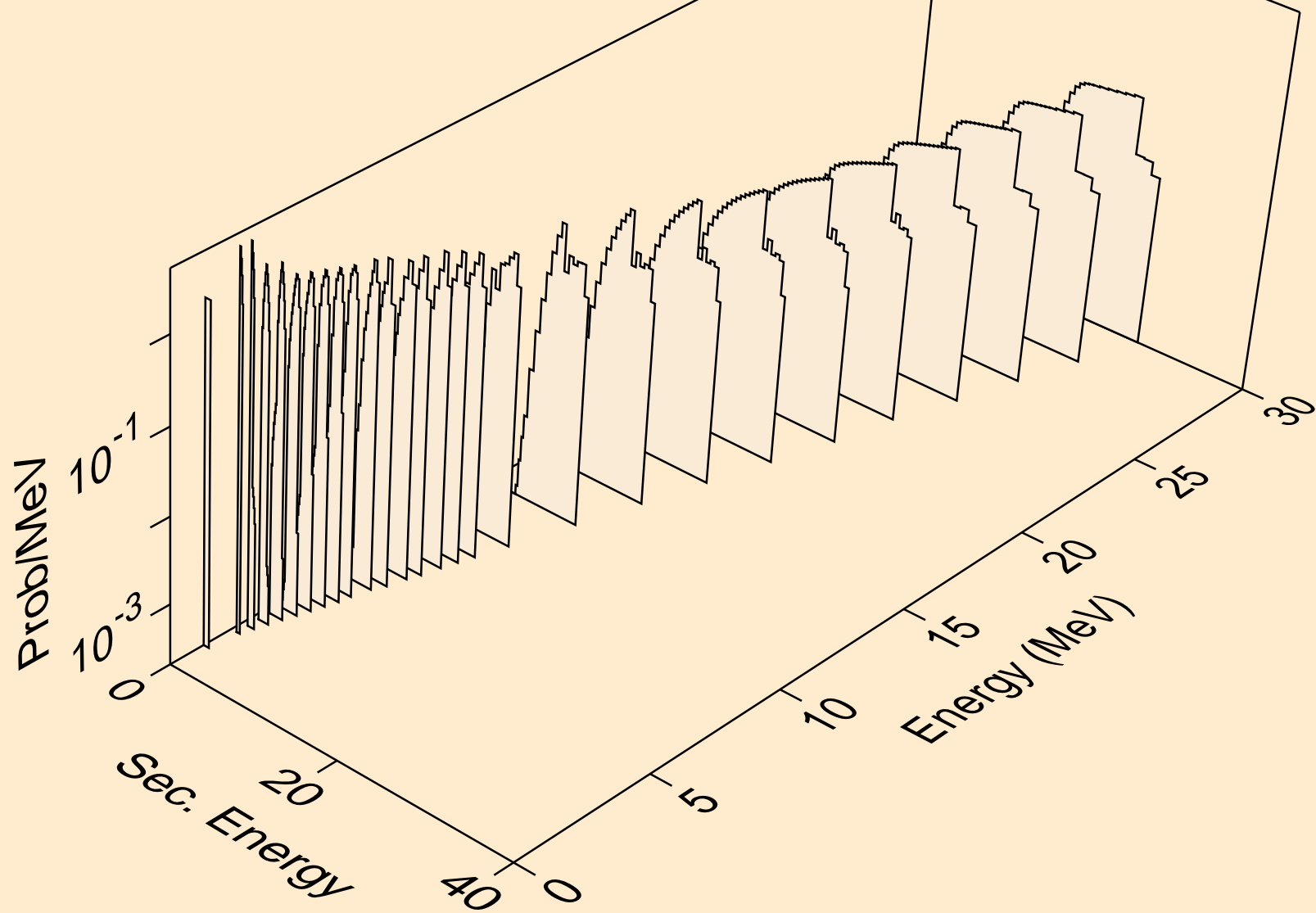
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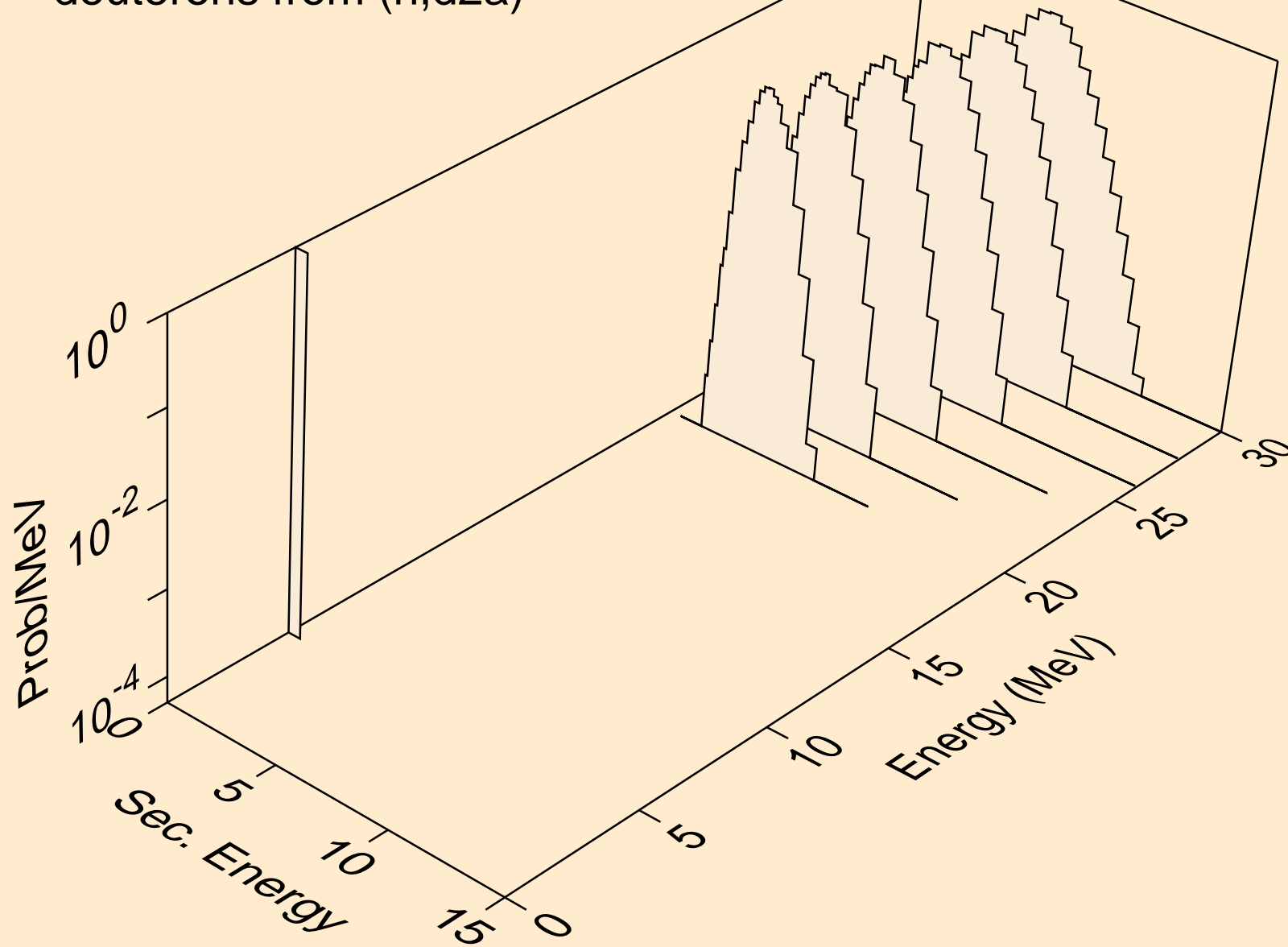
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deuterons from (n,n\*)d



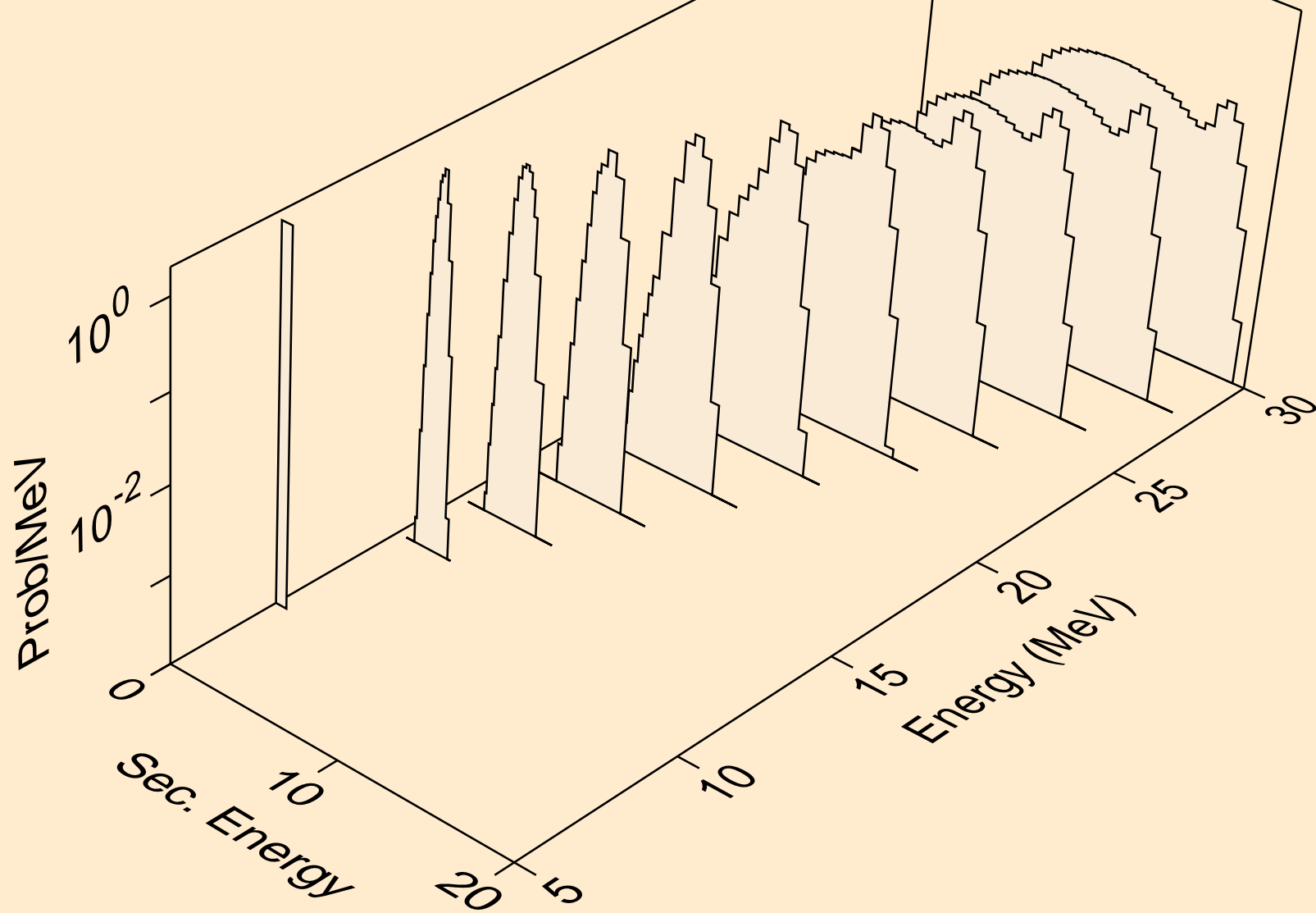
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deuterons from (n,d)



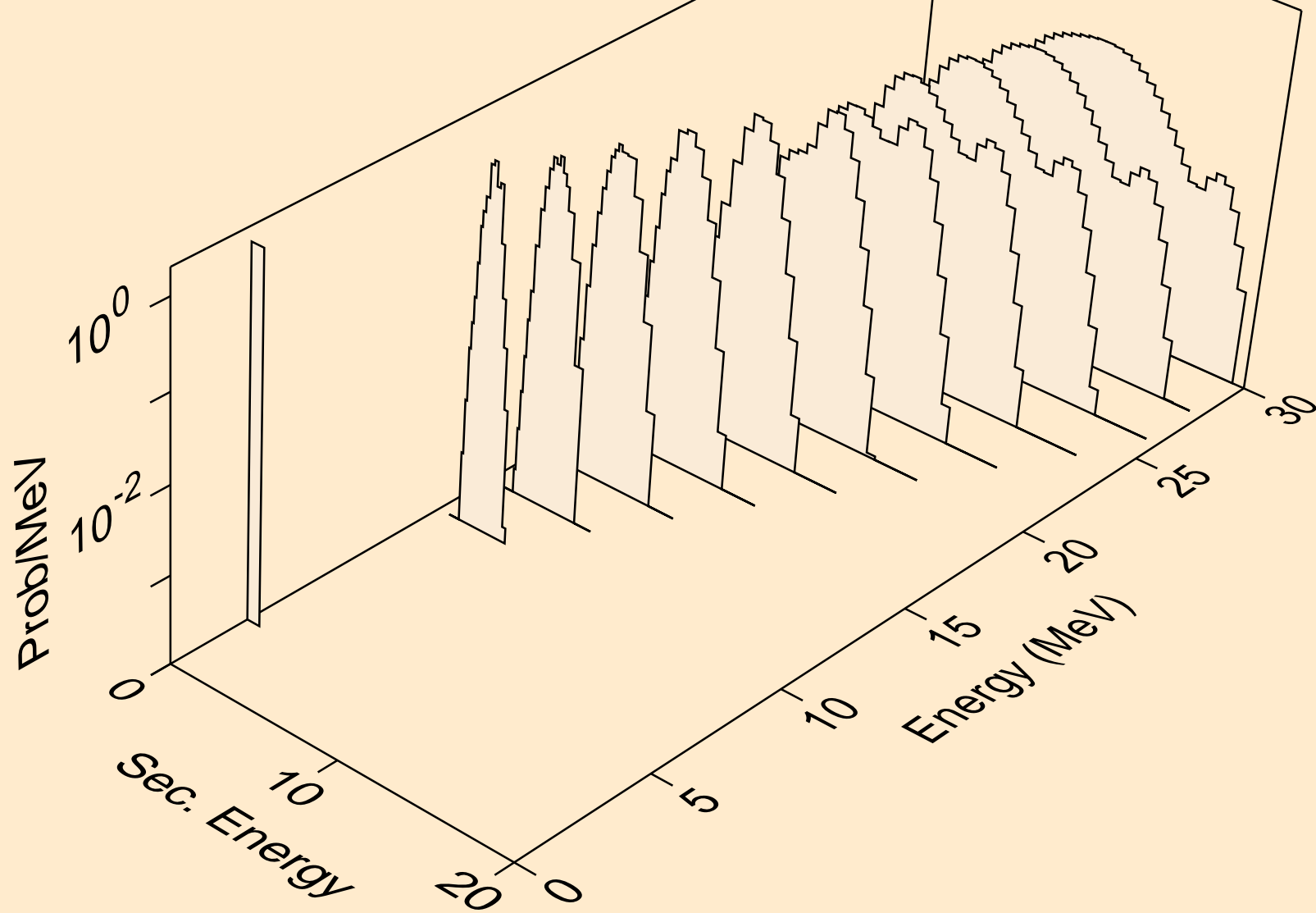
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deuterons from (n,d2a)



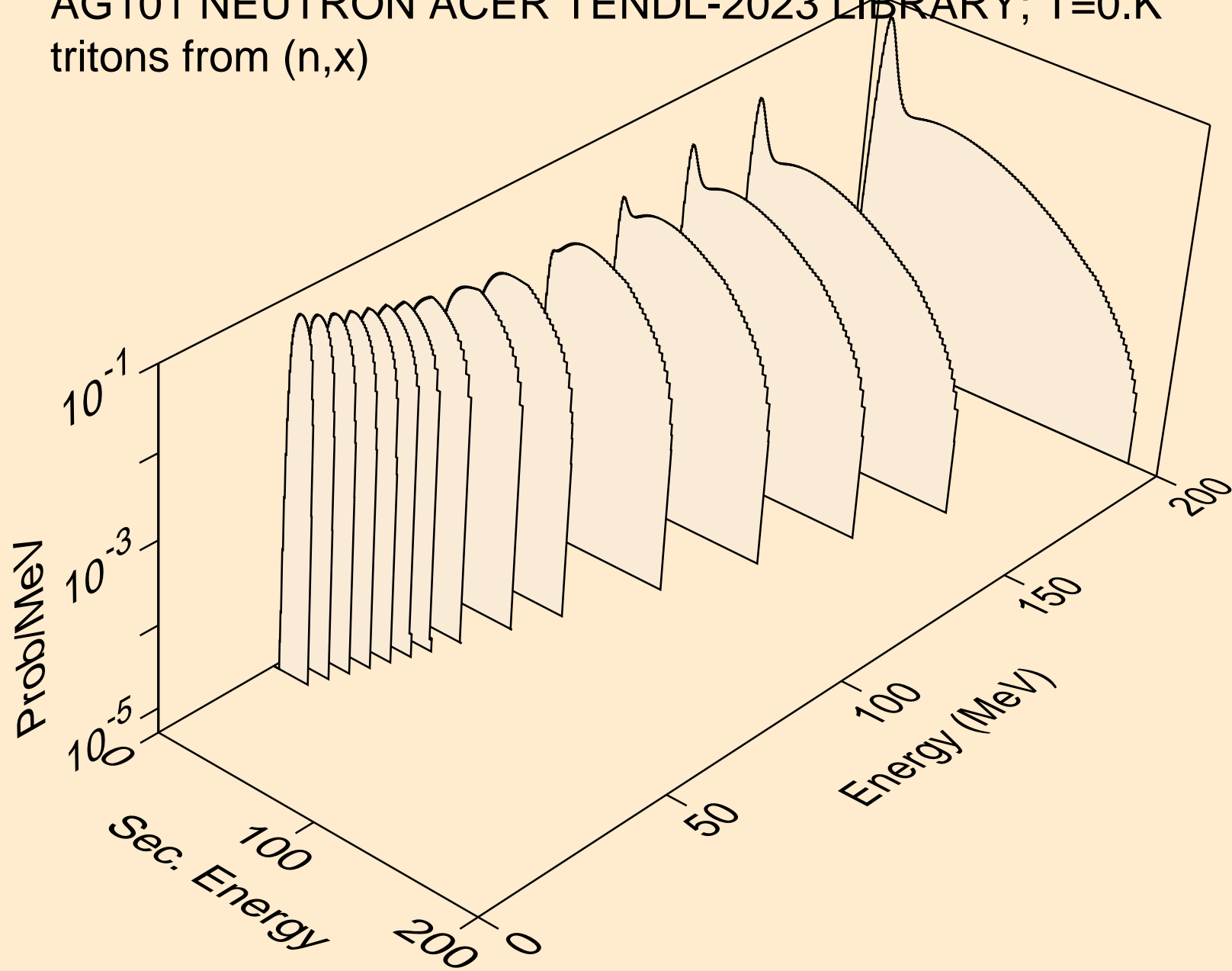
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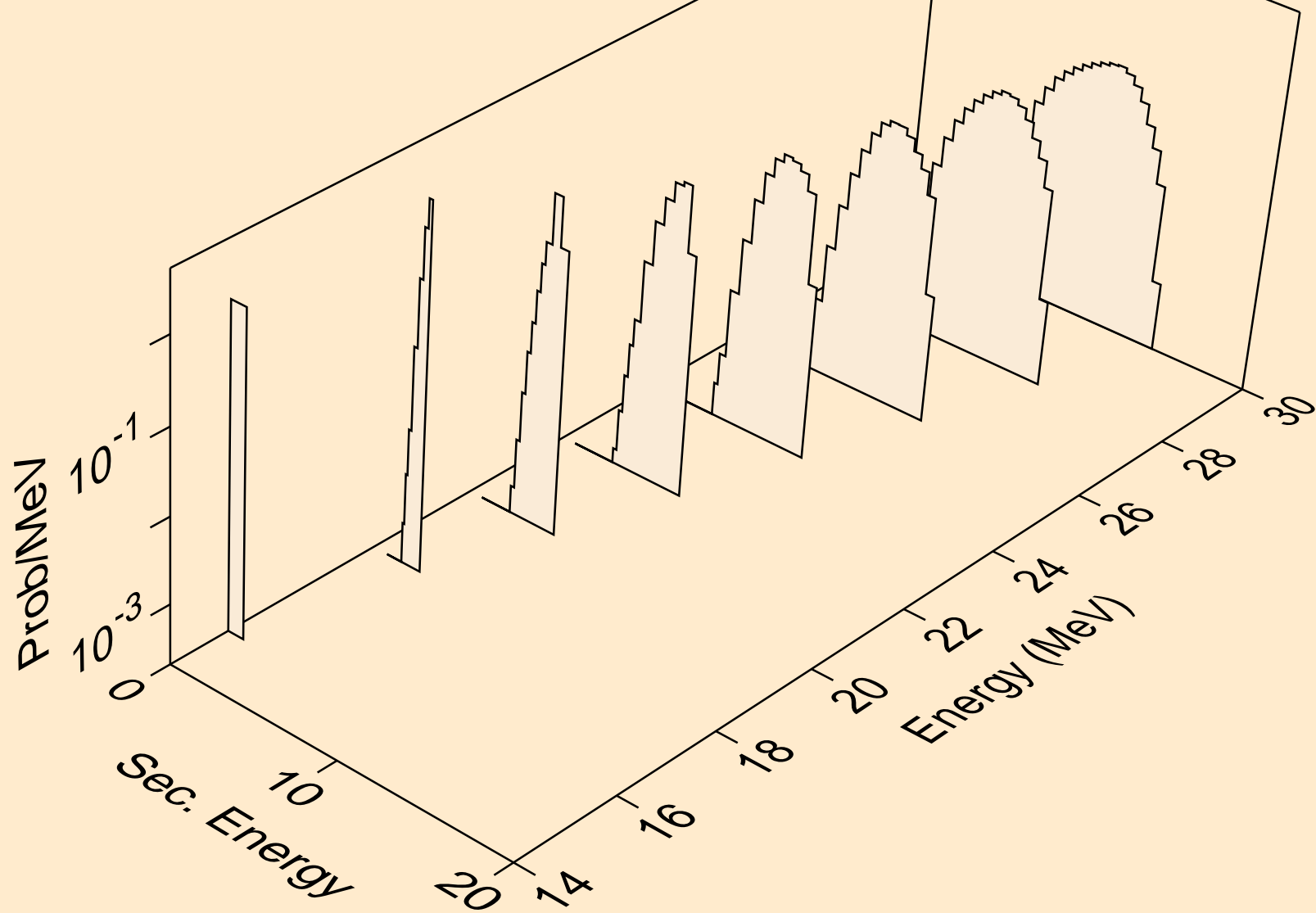
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deuterons from (n,da)



AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)

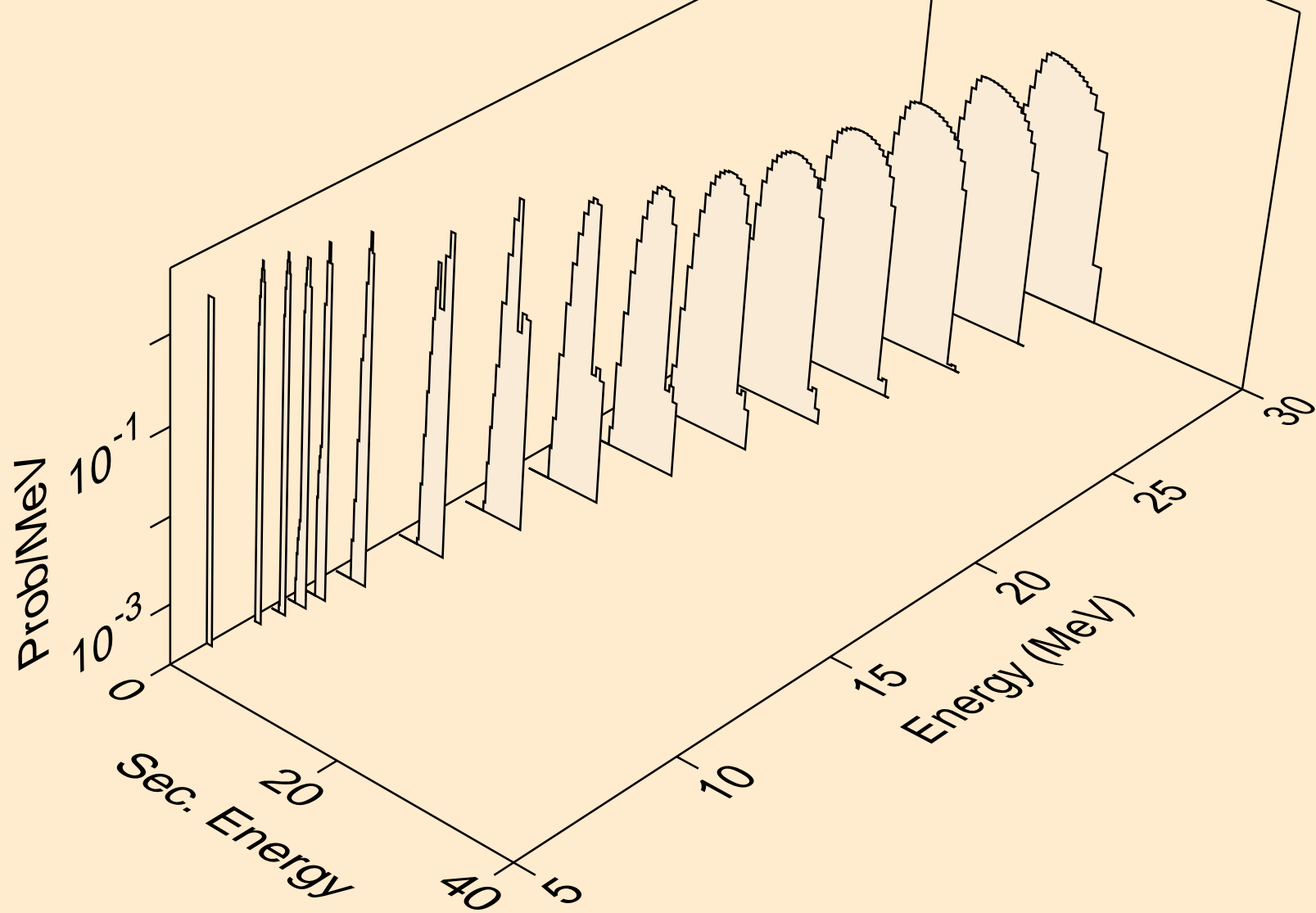


AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t

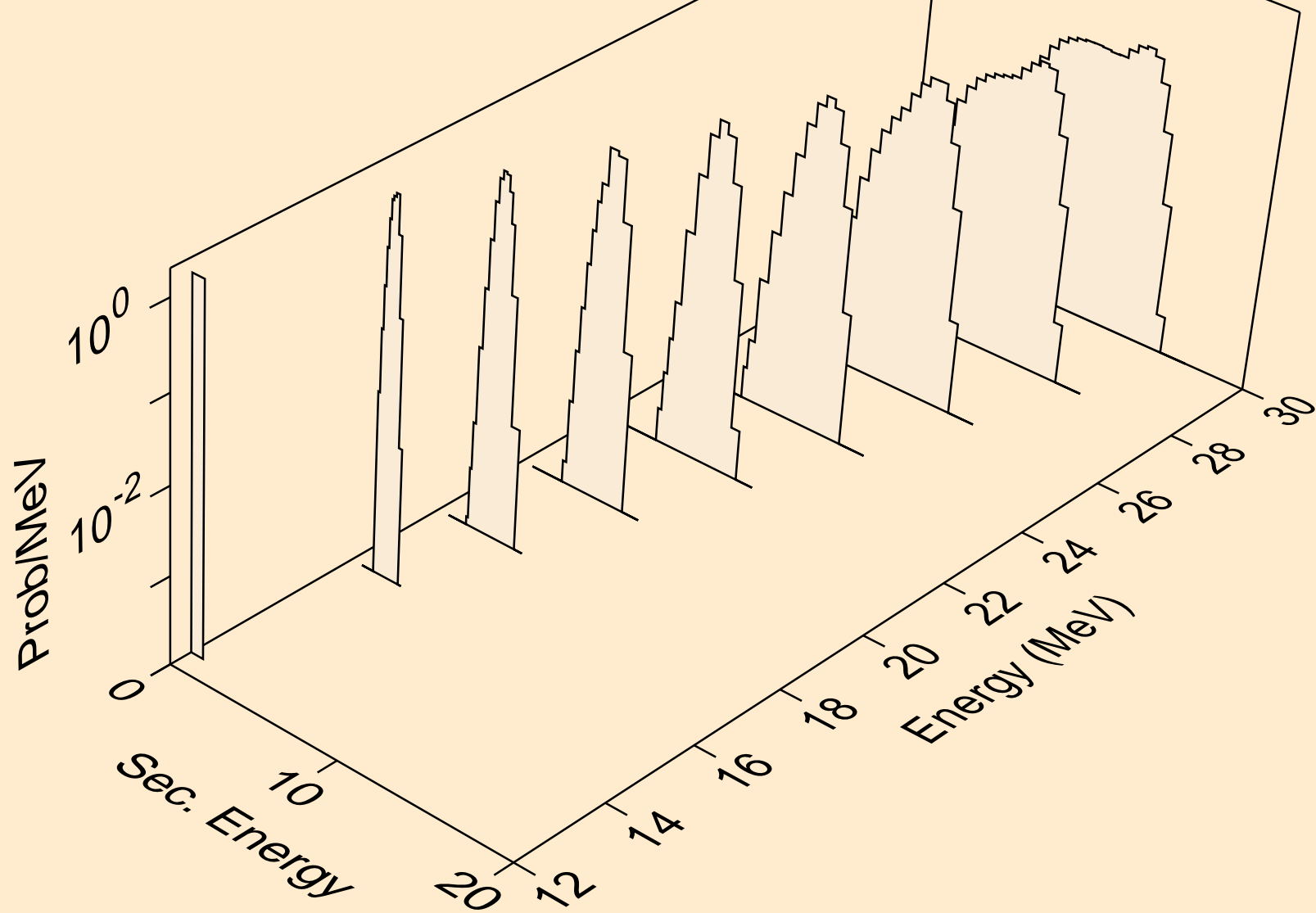




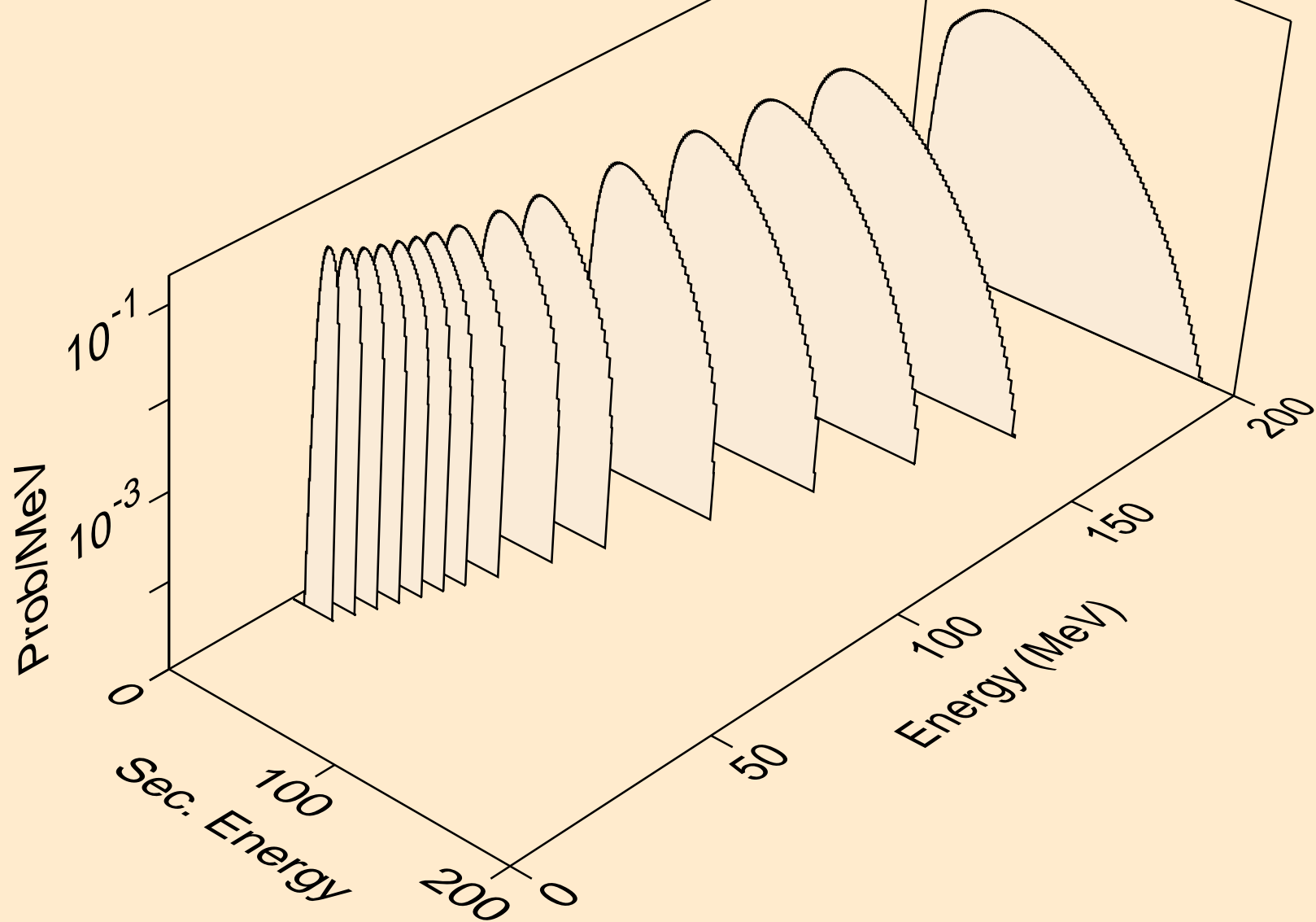
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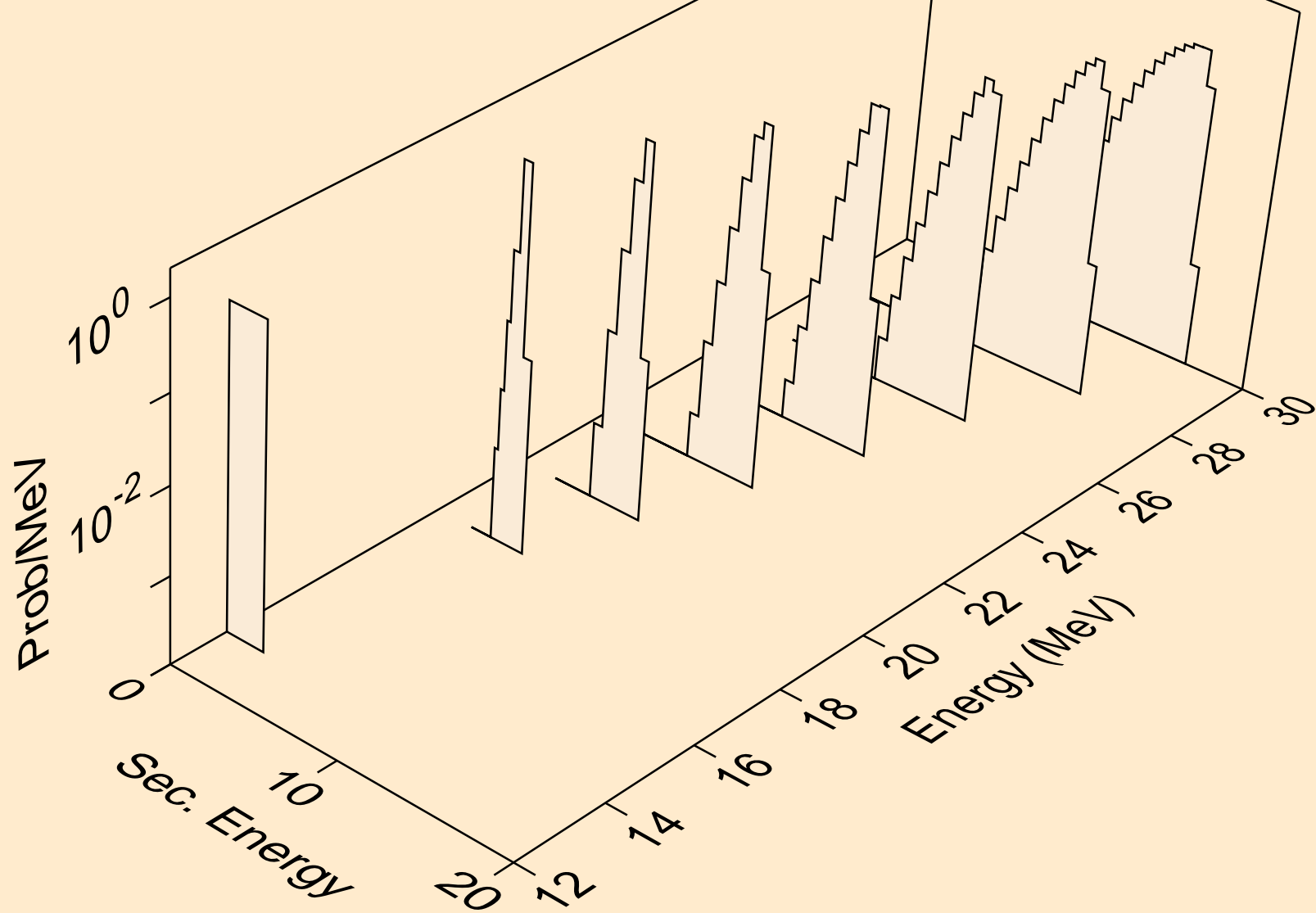
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tritons from (n,pt)



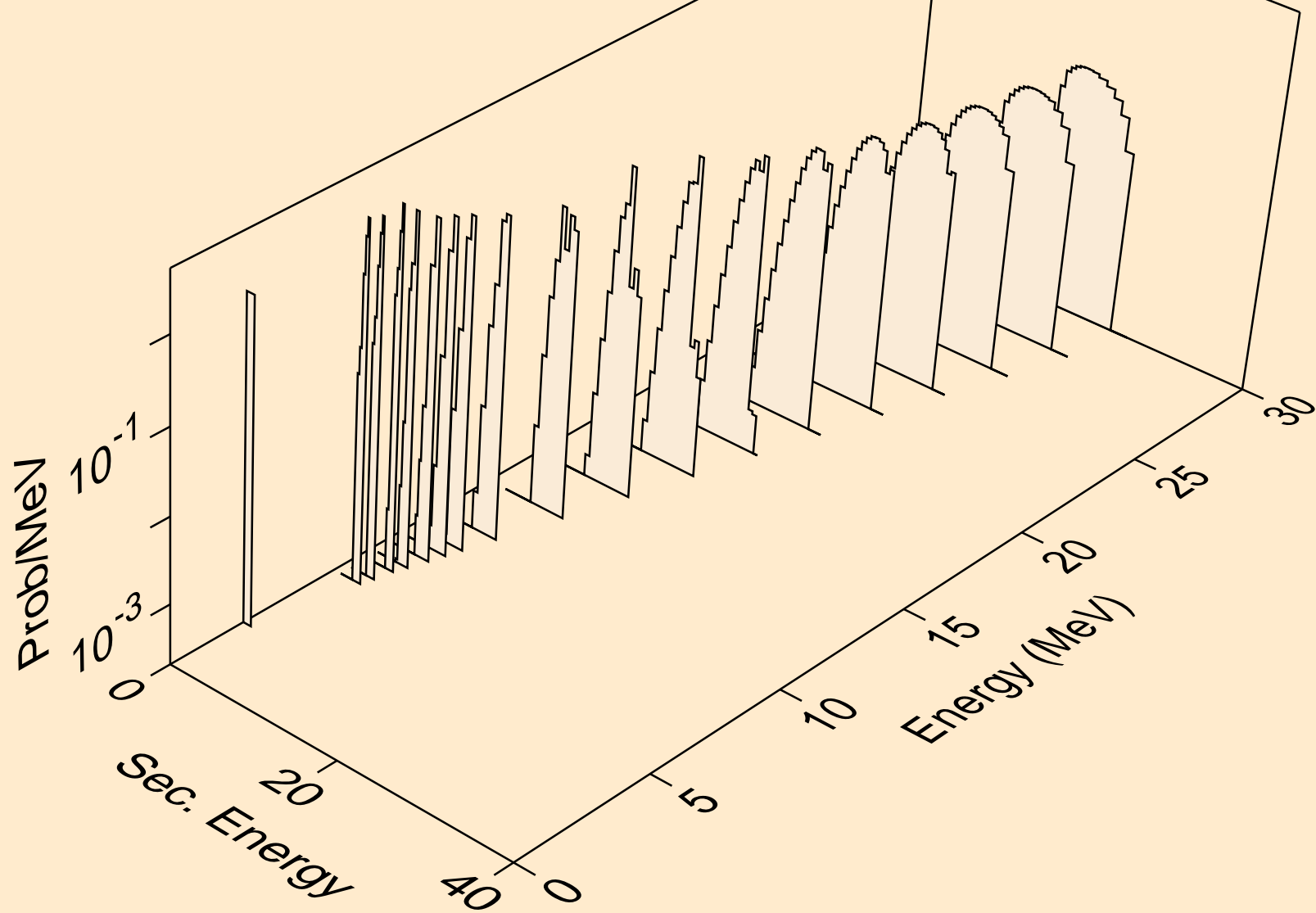
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he3s from (n,x)



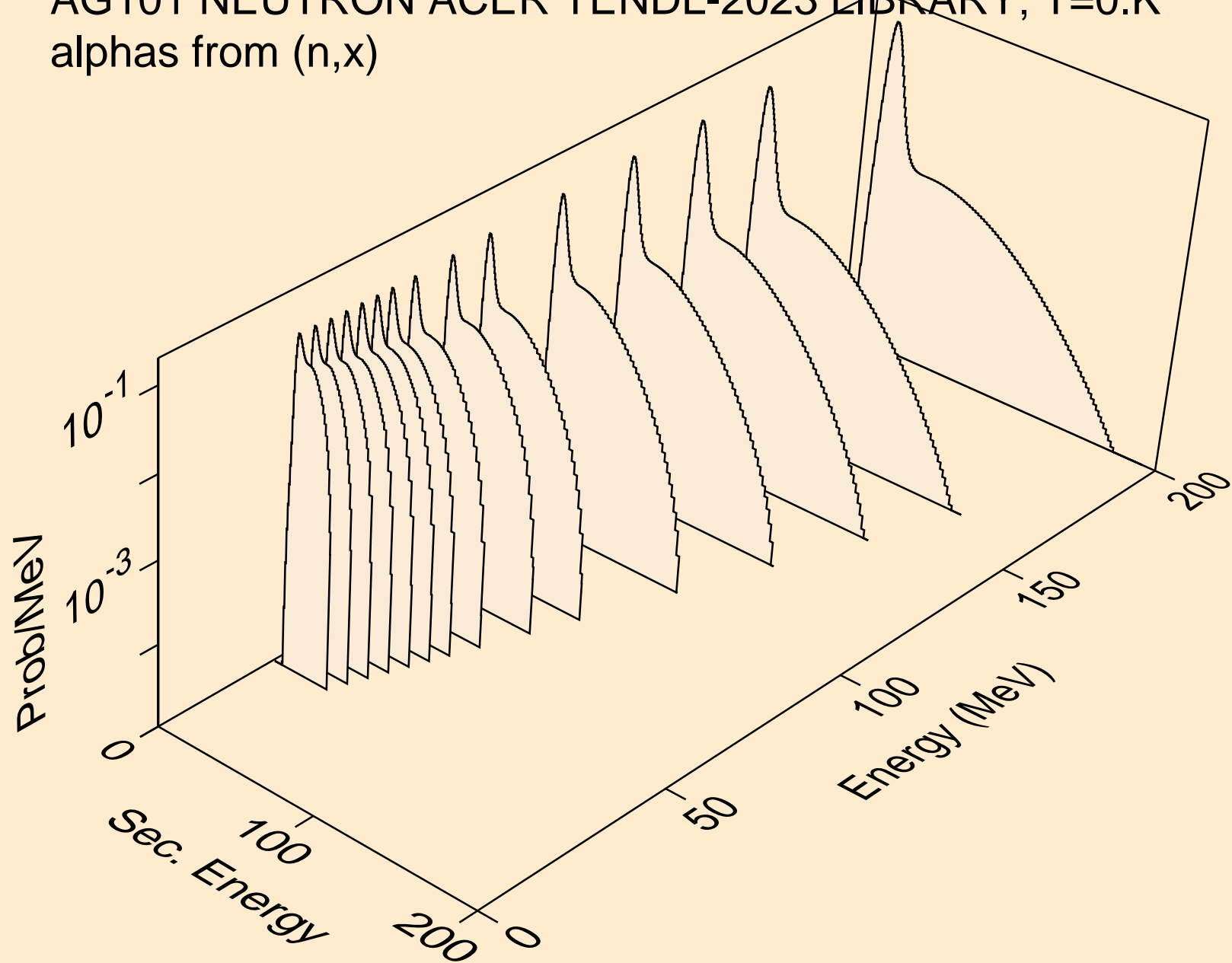
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he3s from (n,n\*)he3



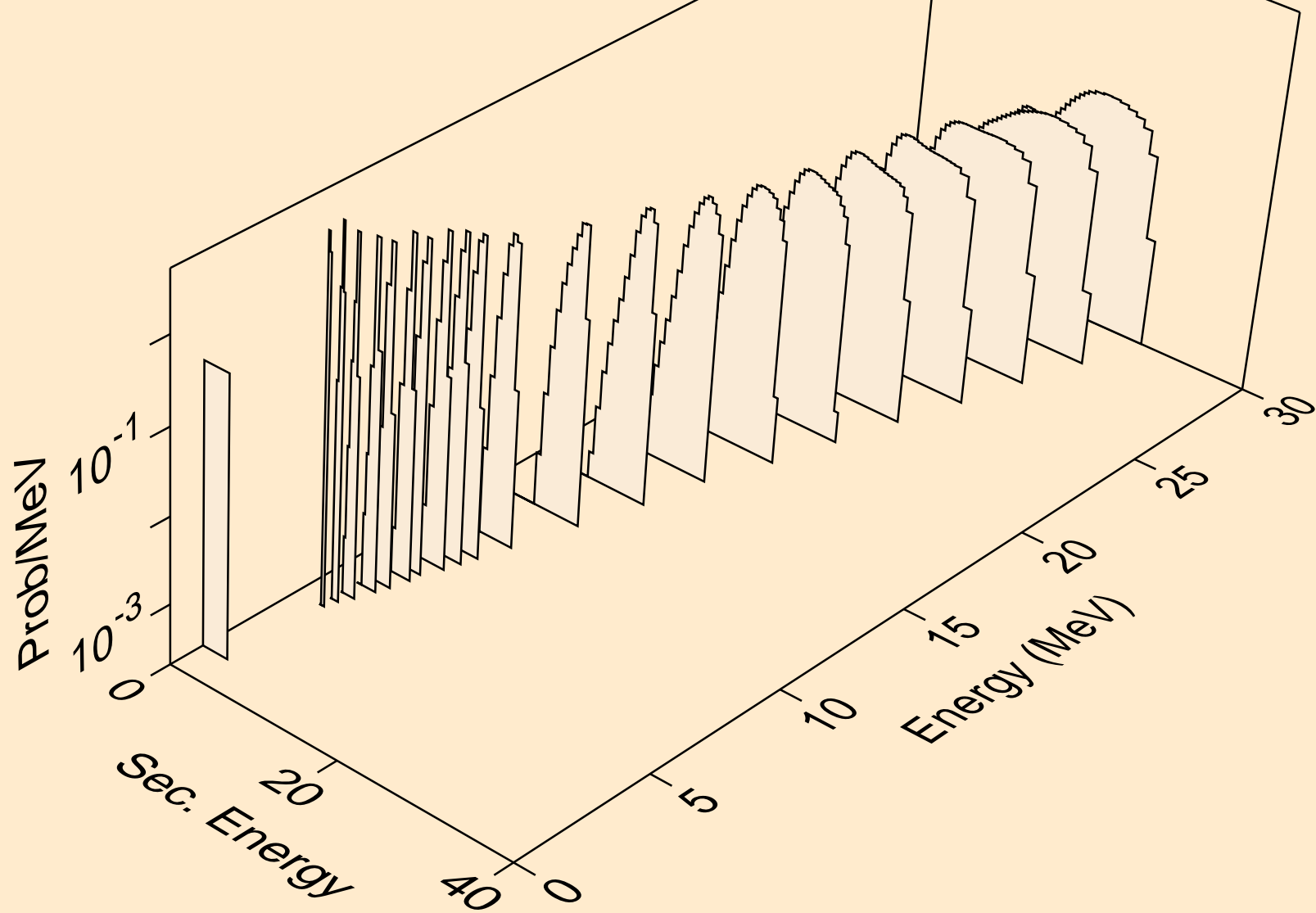
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he3s from (n,he3)



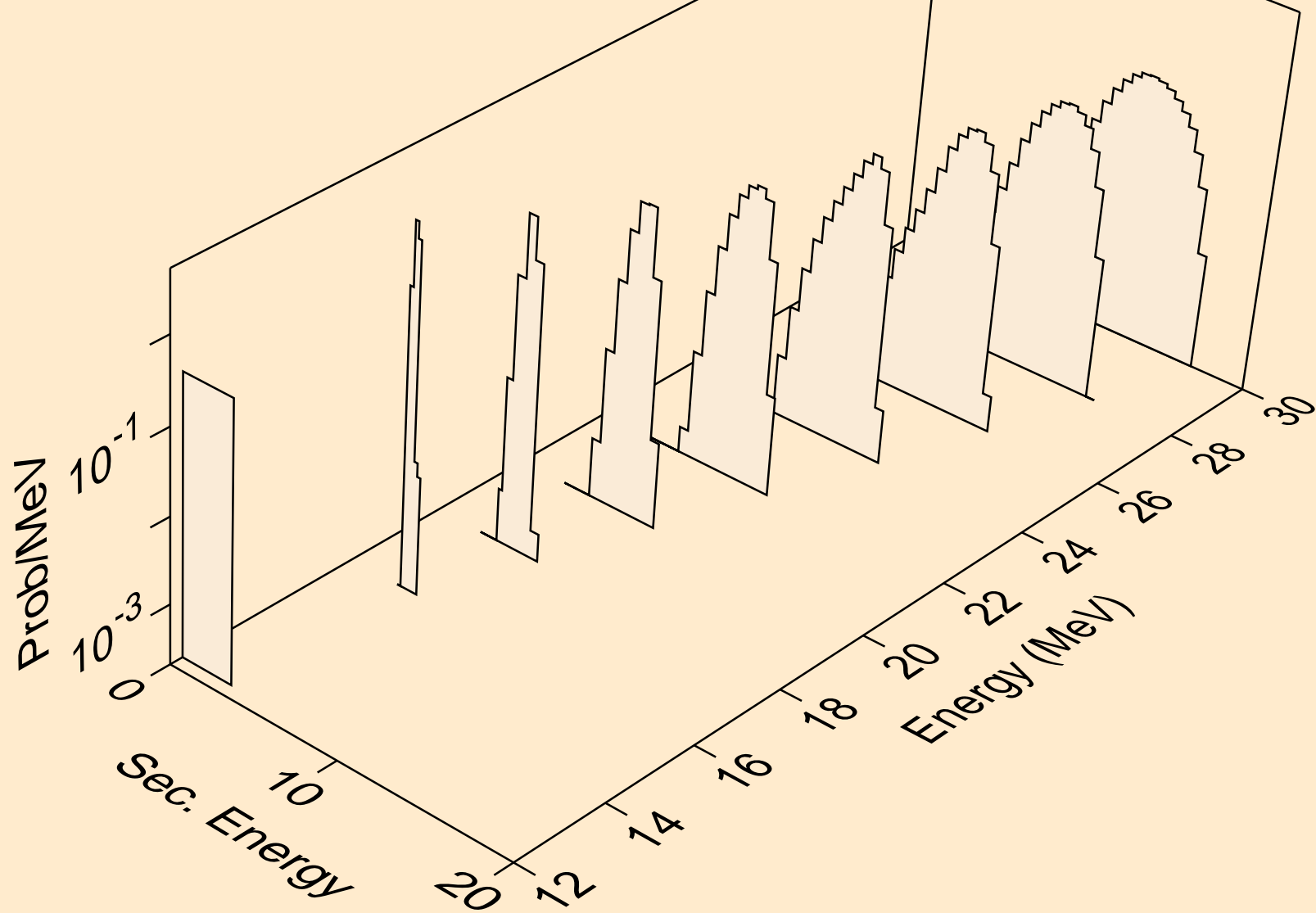
AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a

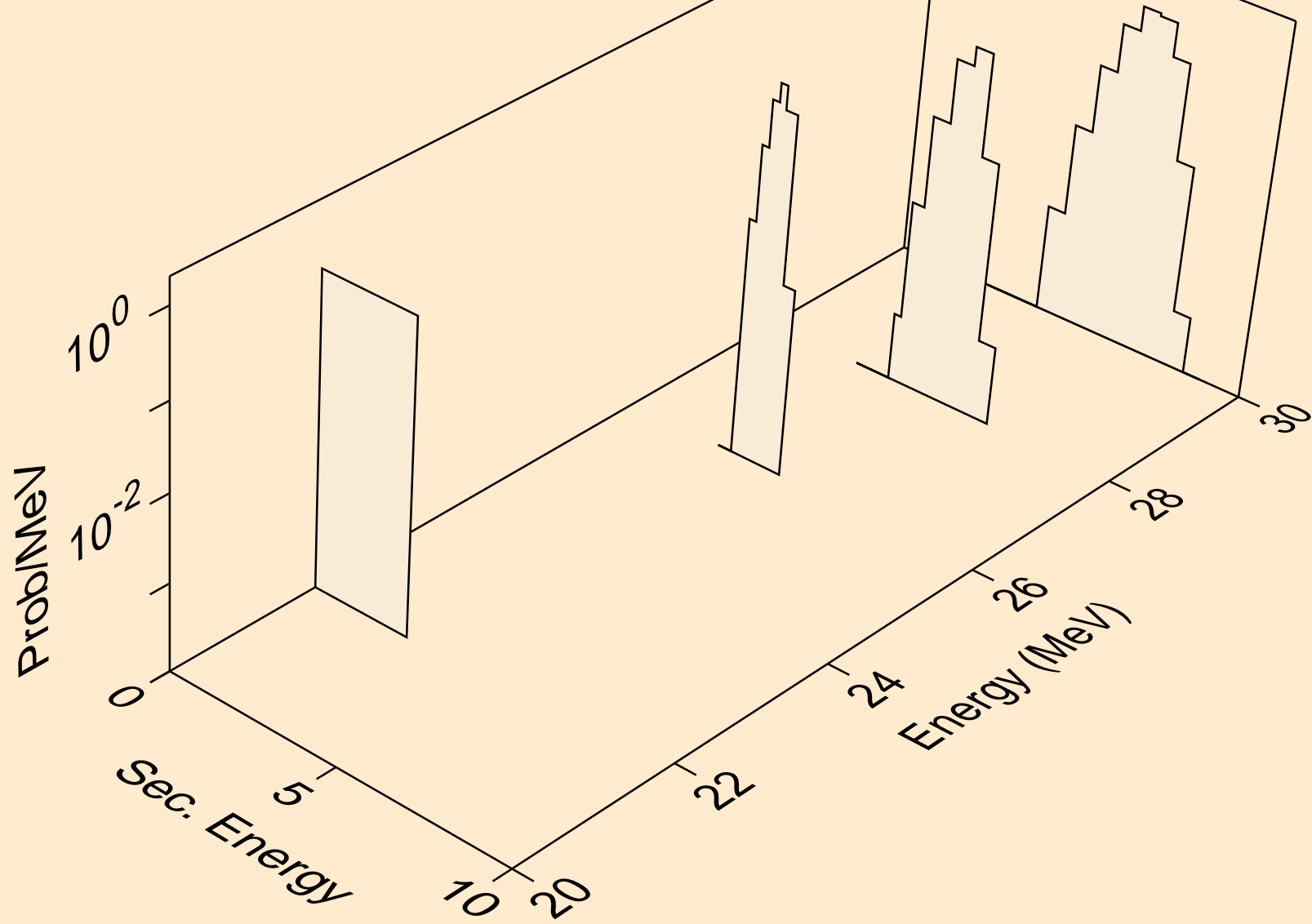


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alphas from (n,2n)a

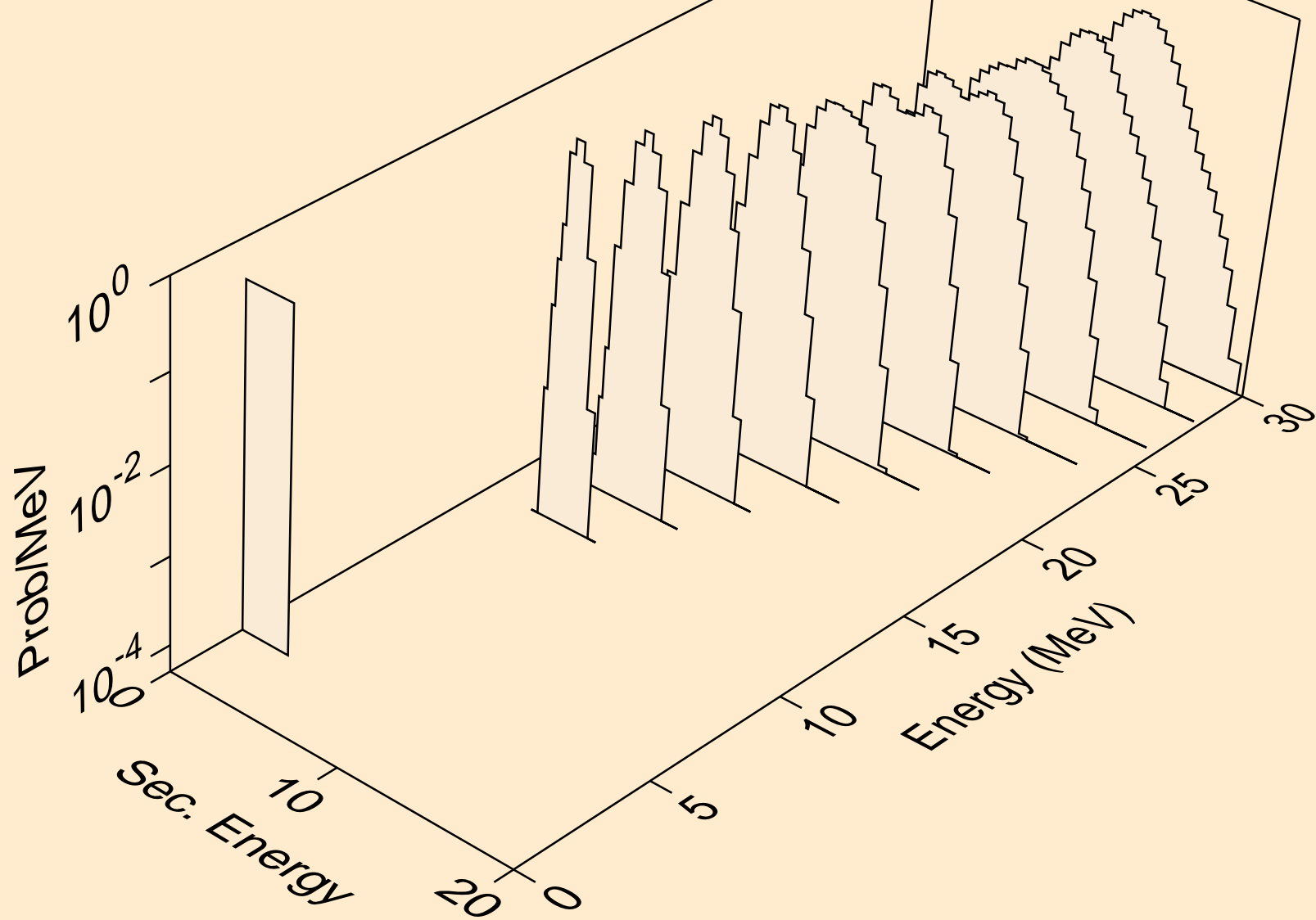




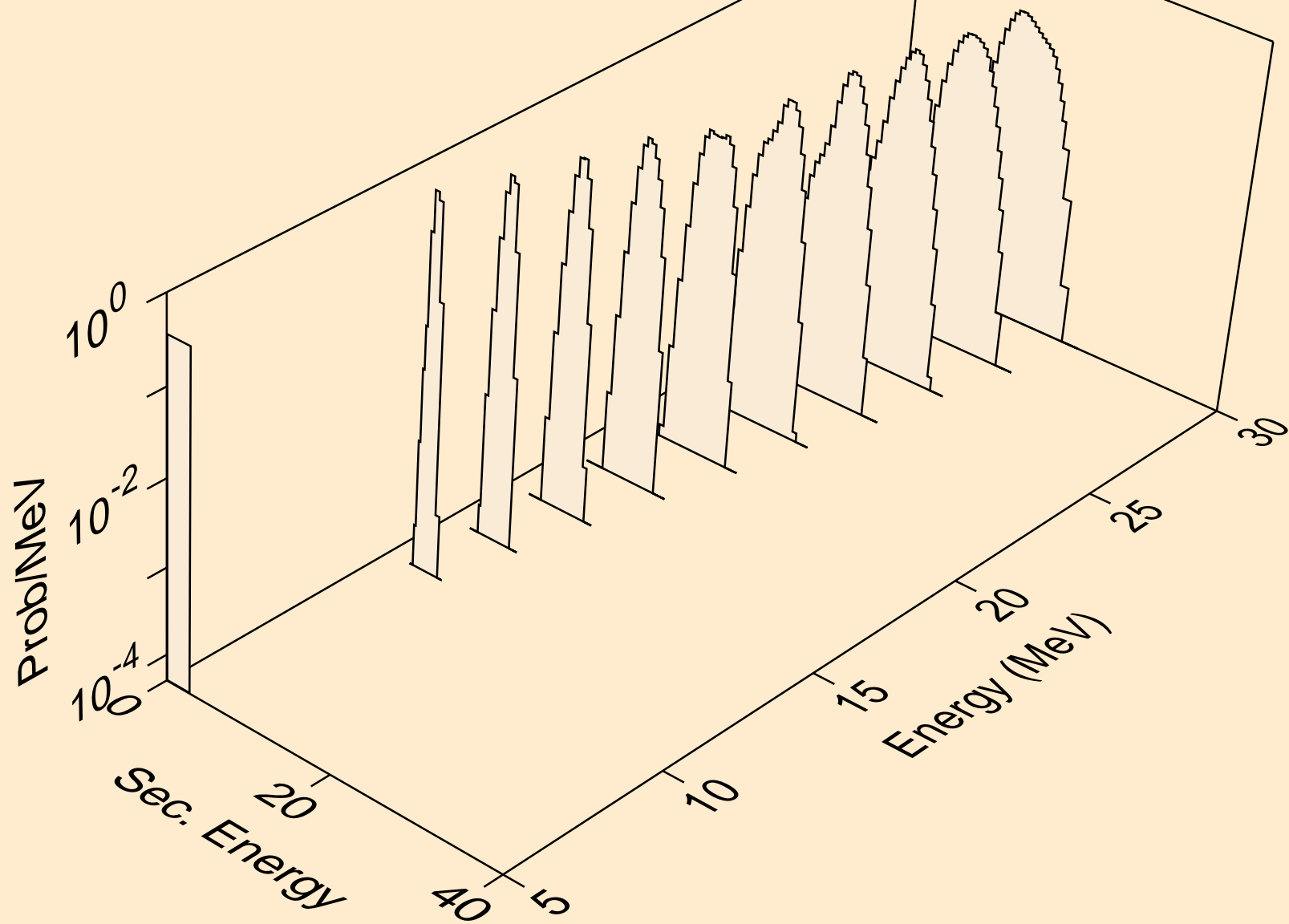
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alphas from (n,3n)a



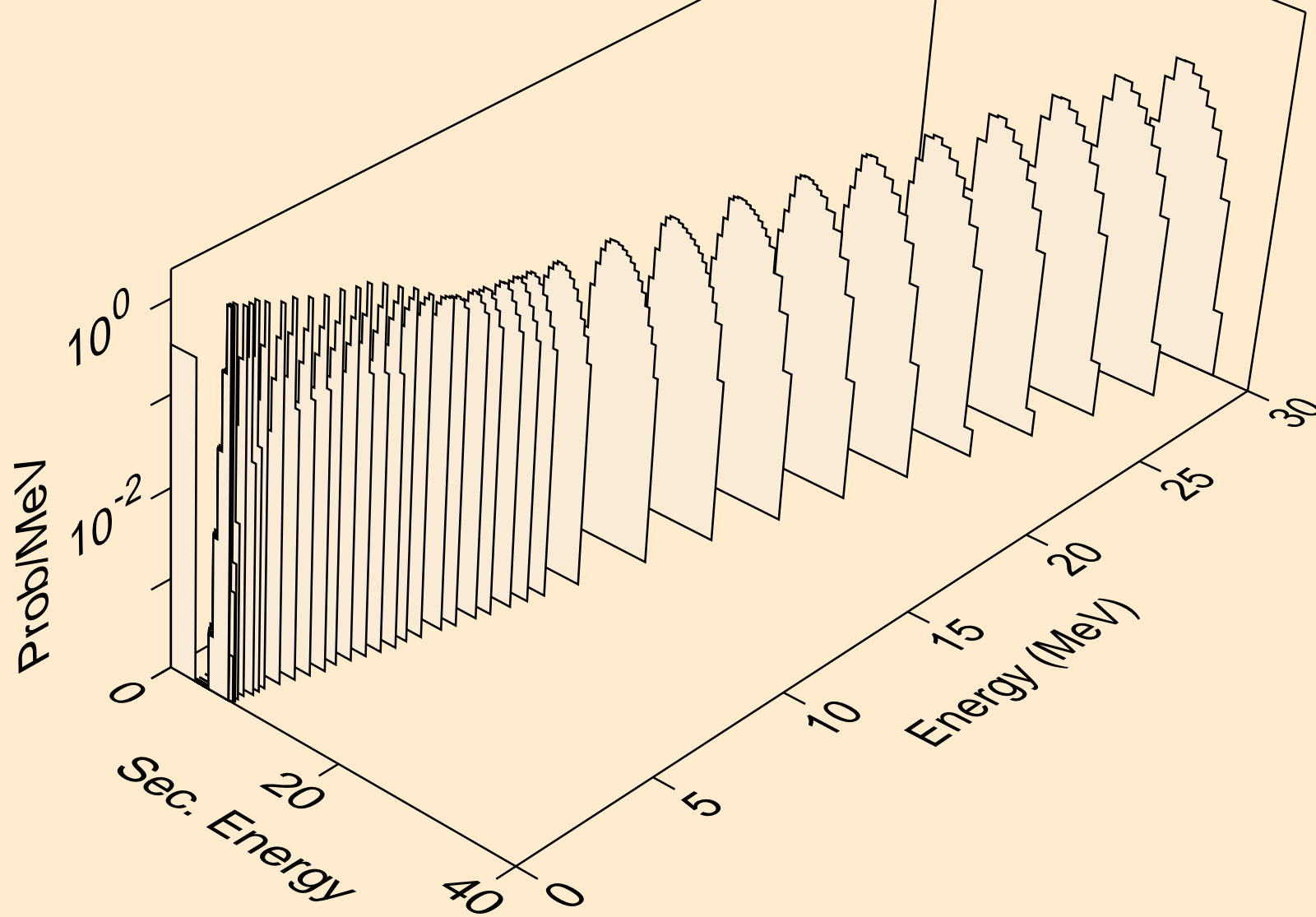
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alphas from (n,n\*)2a



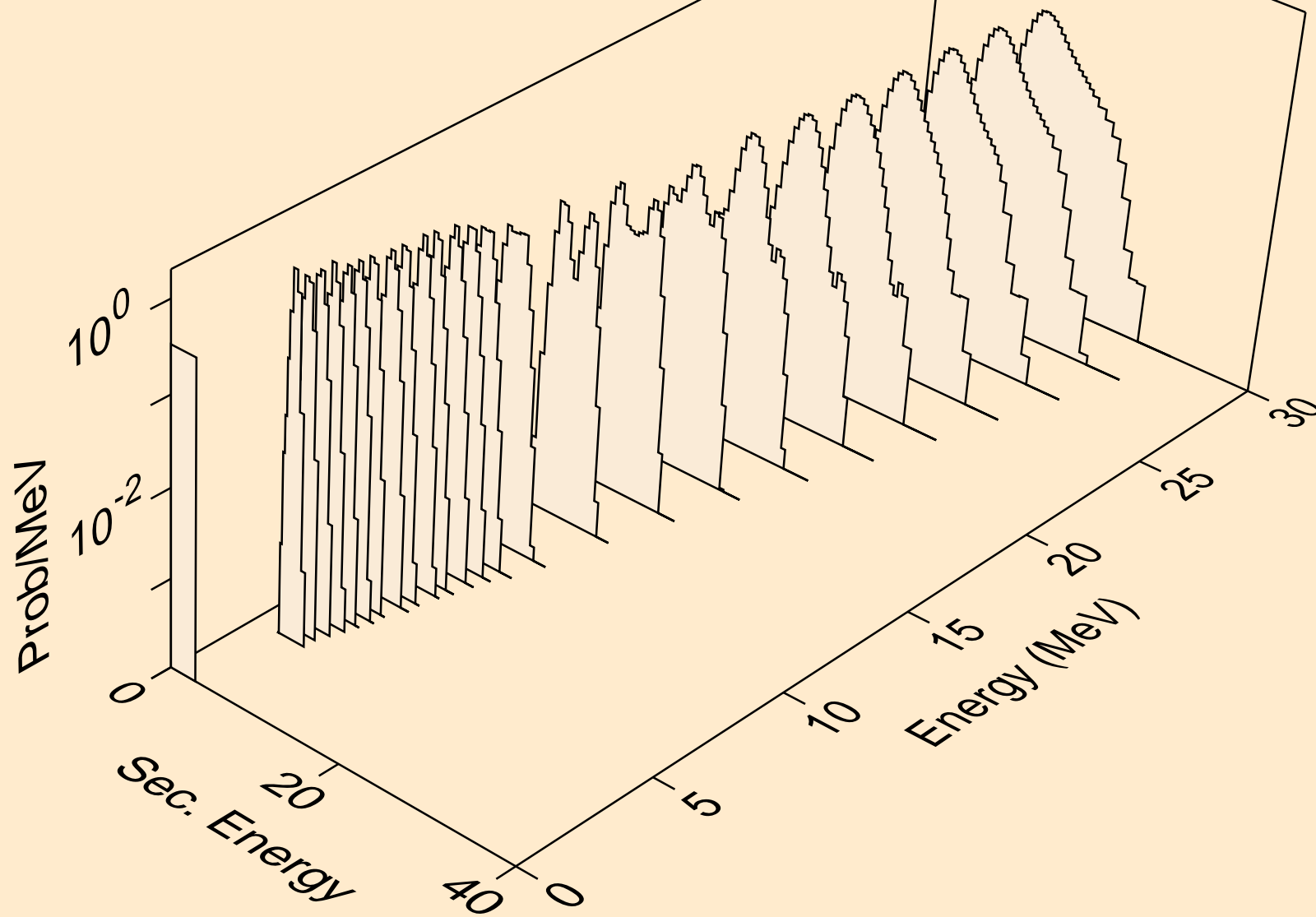
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alphas from (n,npa)



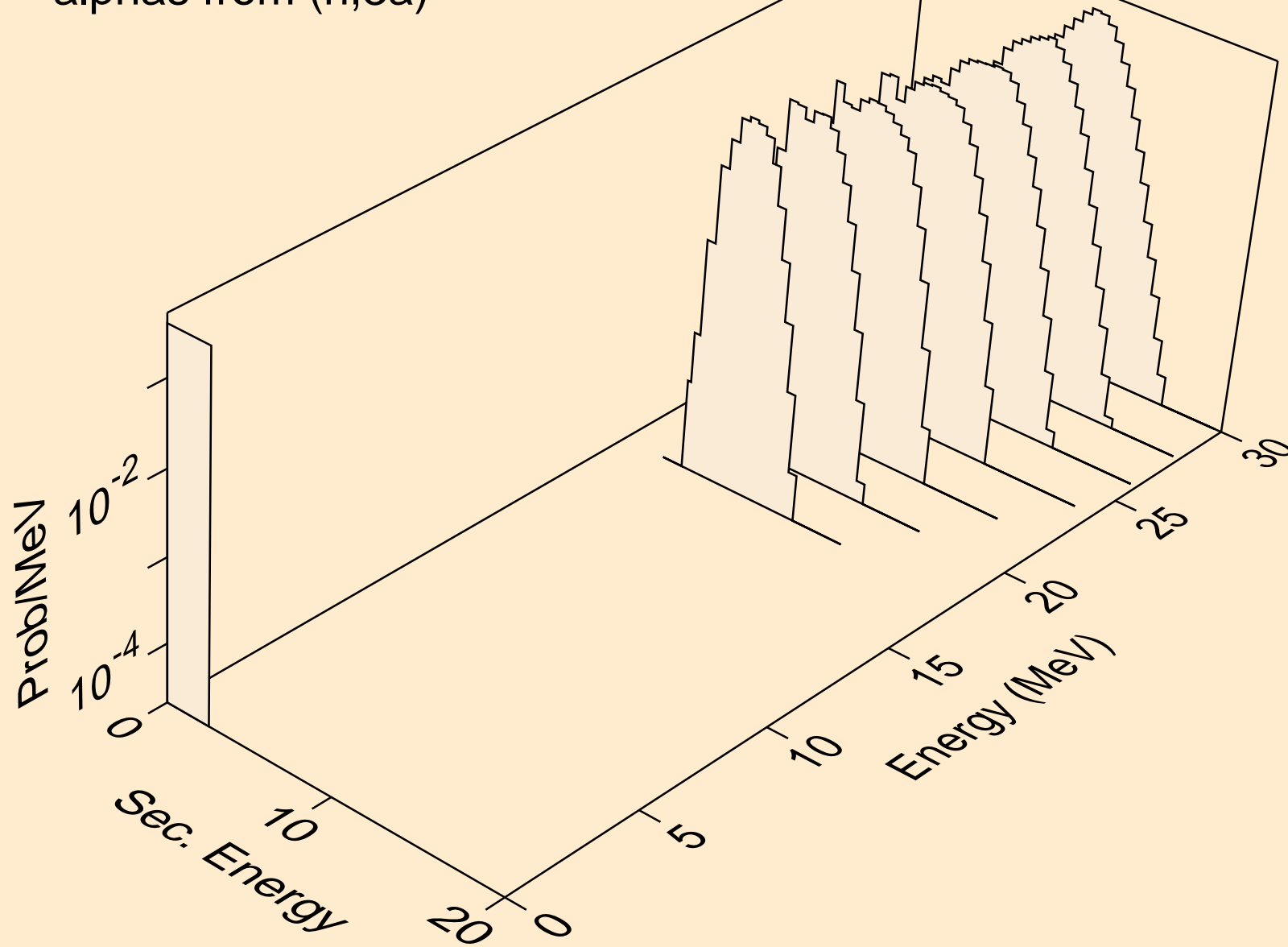
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alphas from (n,a)



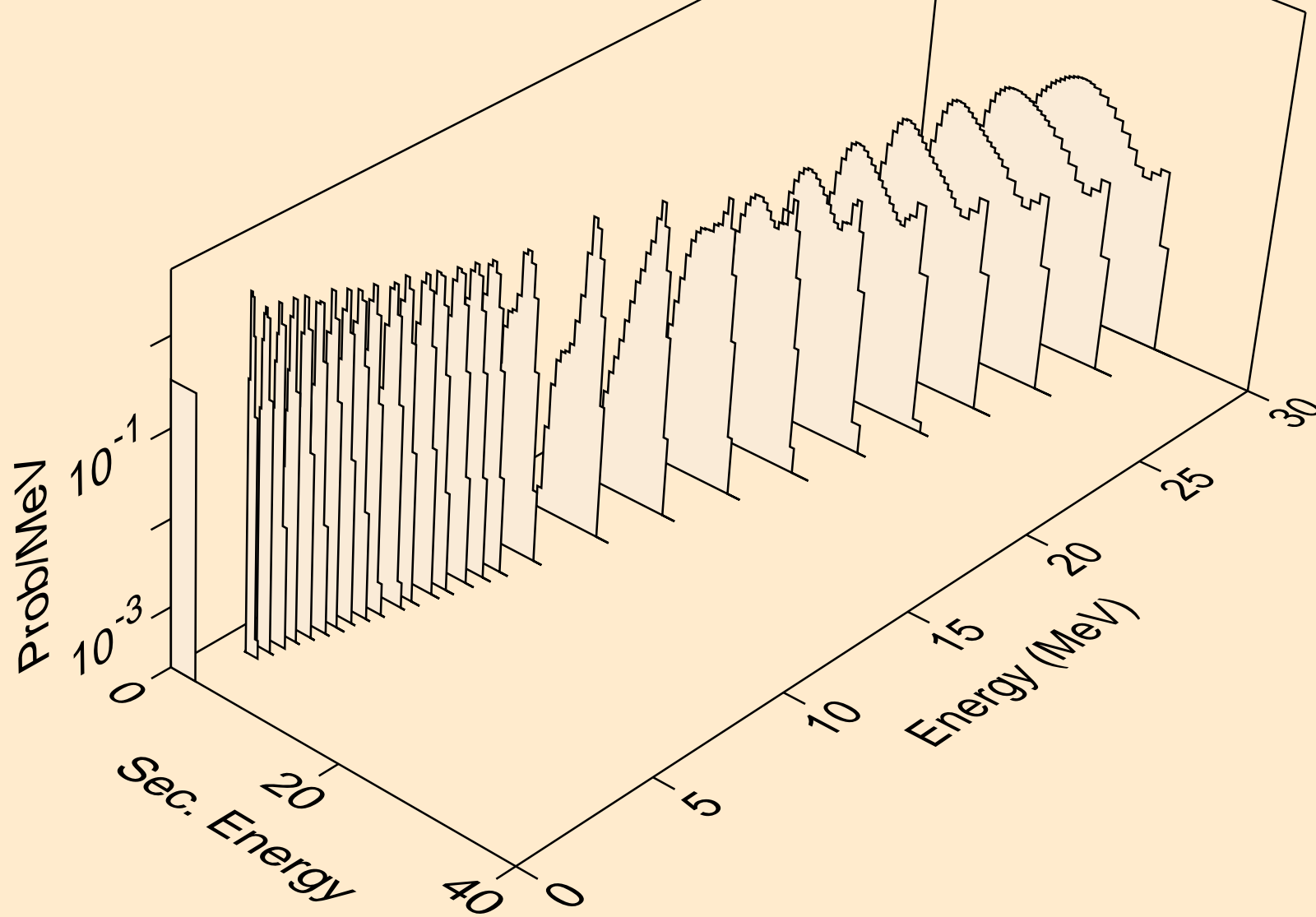
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alphas from (n,2a)



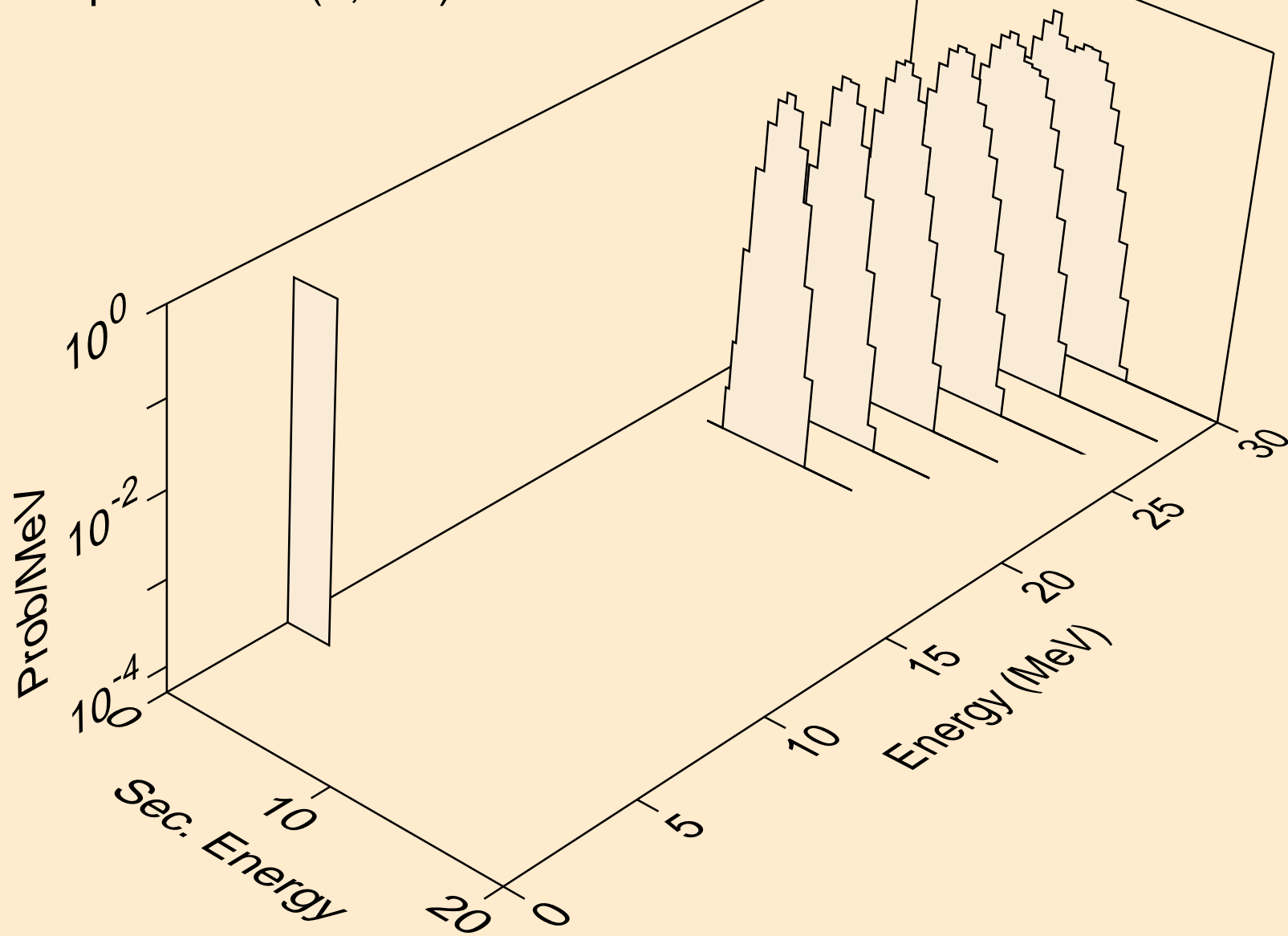
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alphas from (n,3a)



AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,d2a)





AG101 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

