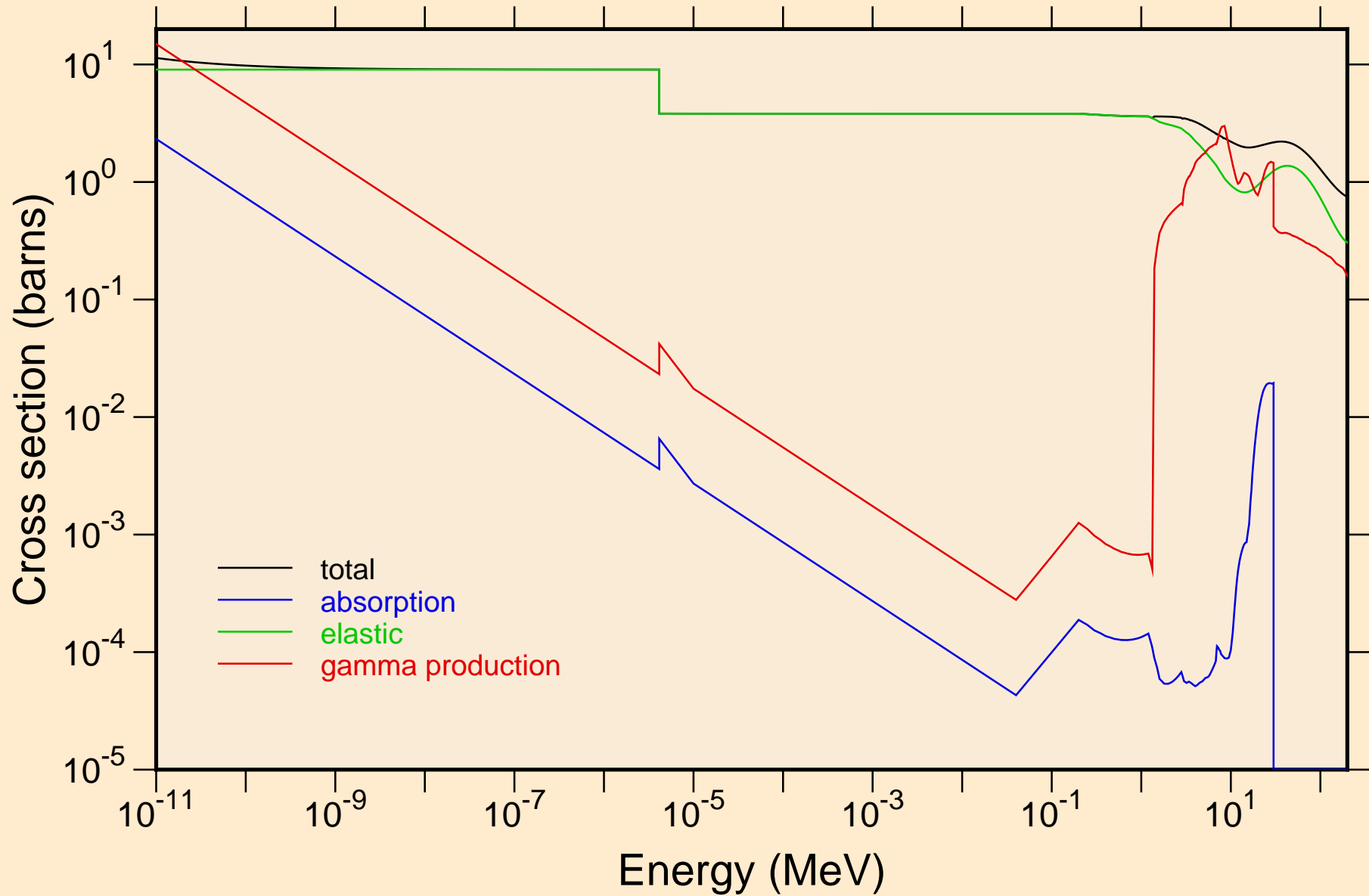


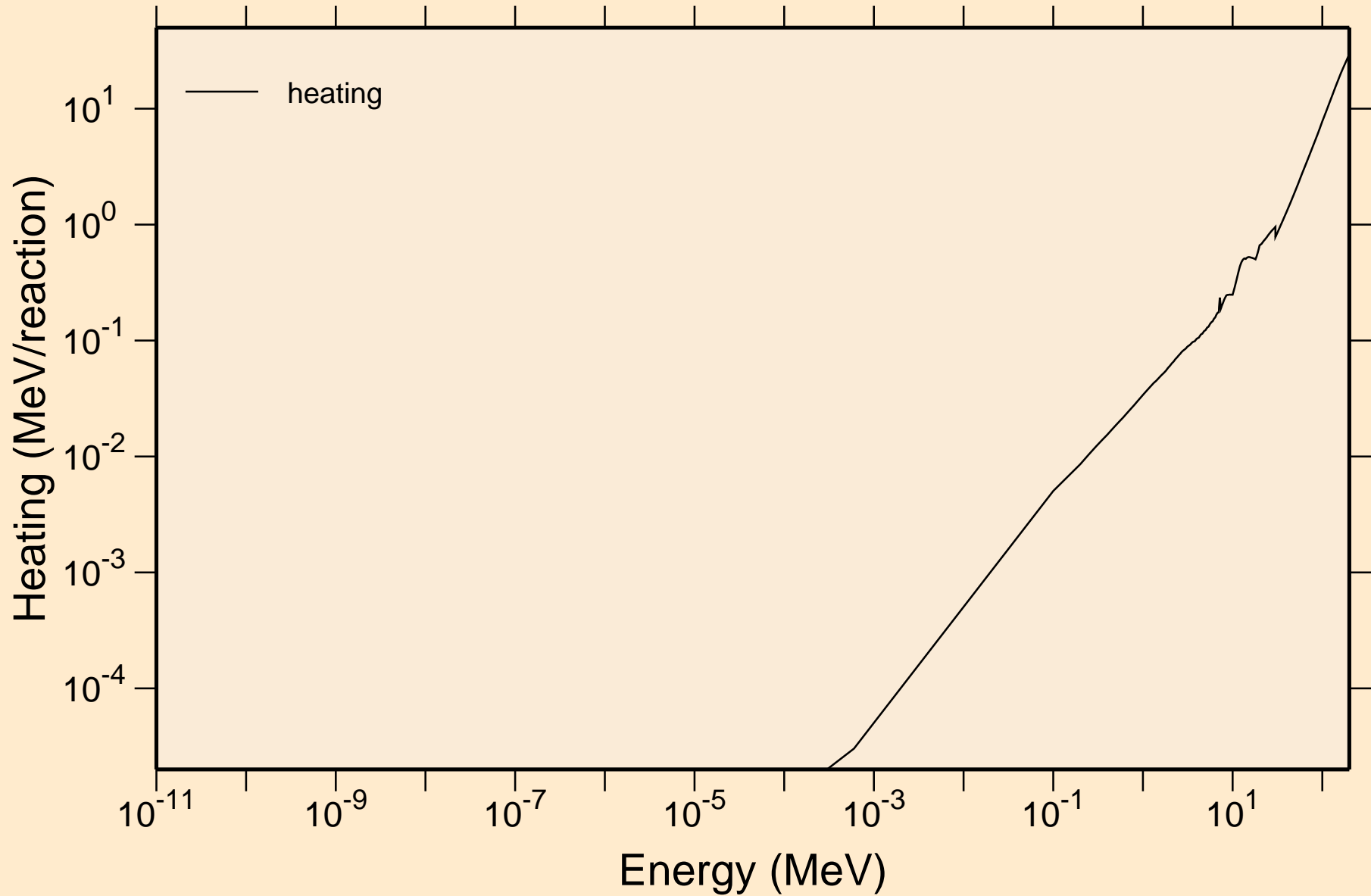
# S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

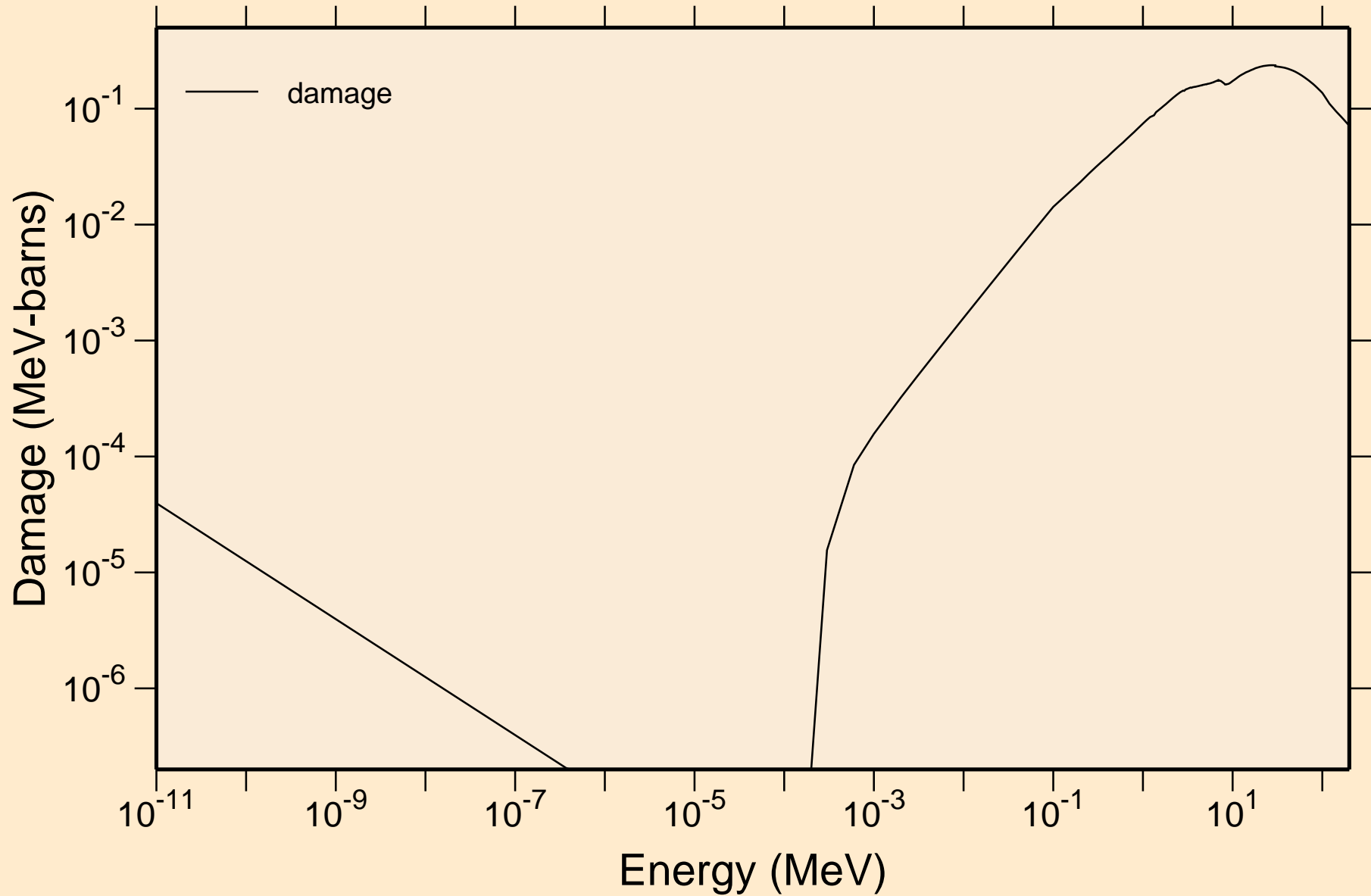


# S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

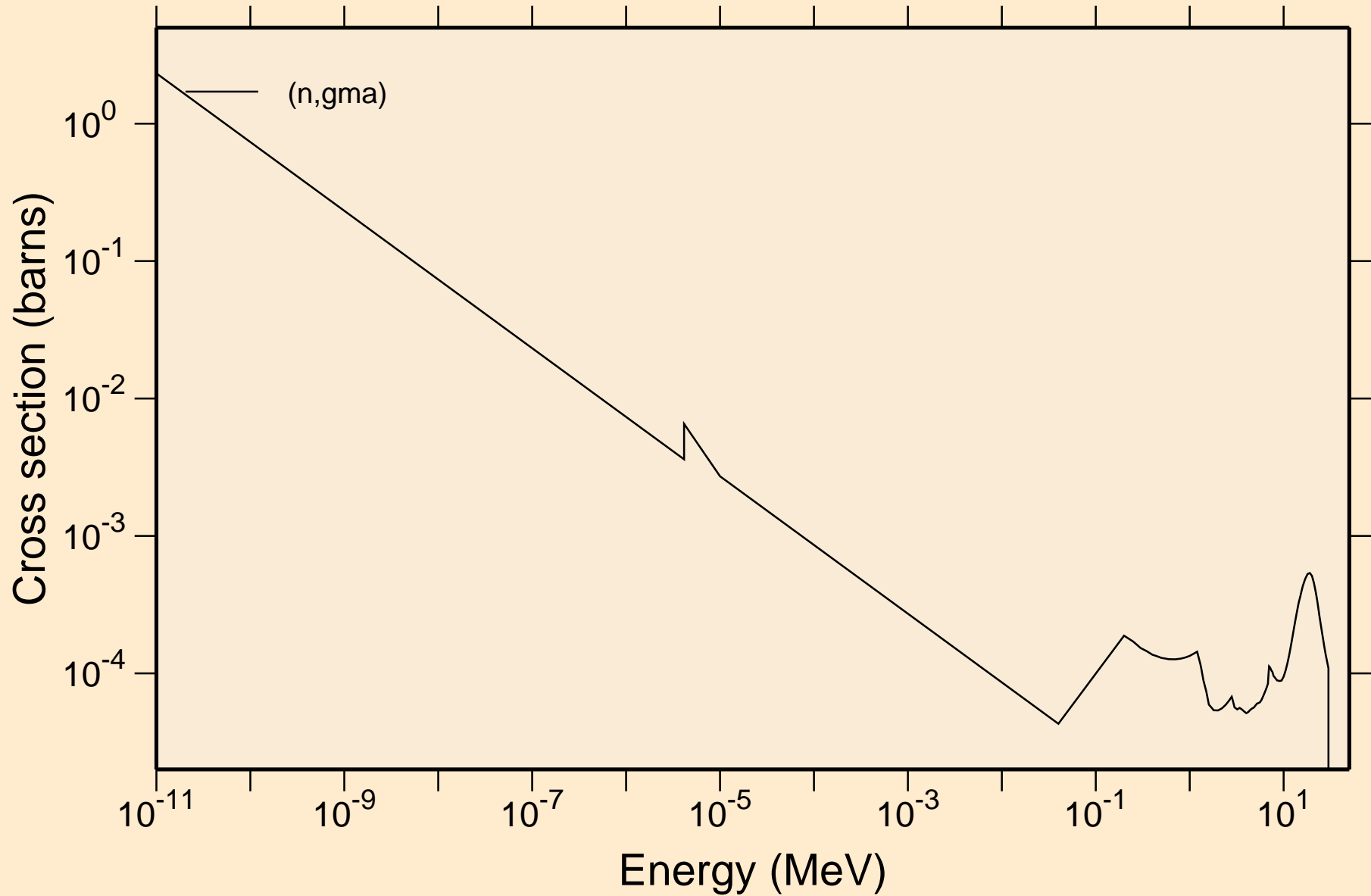
## Heating



S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage

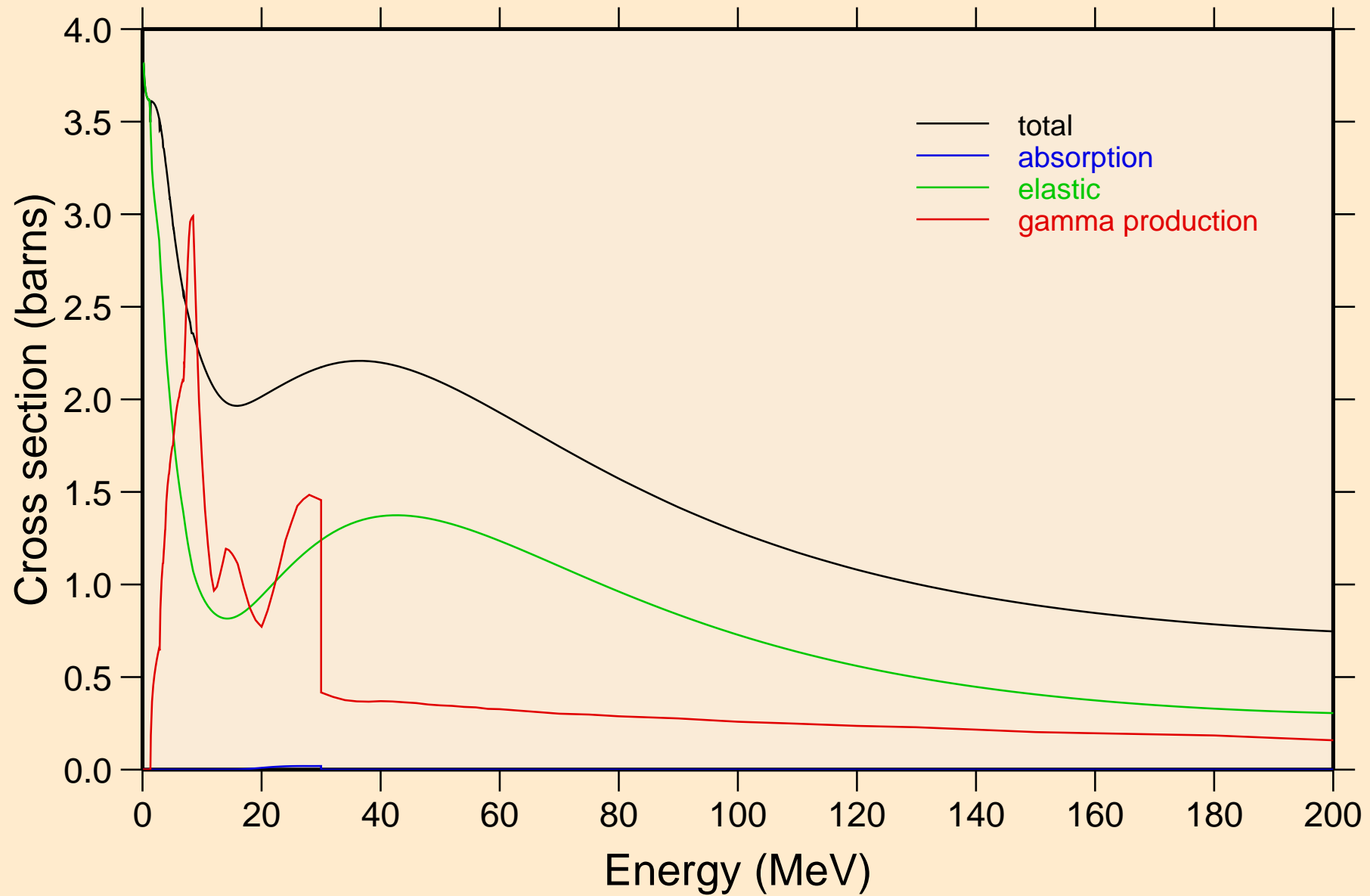


S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



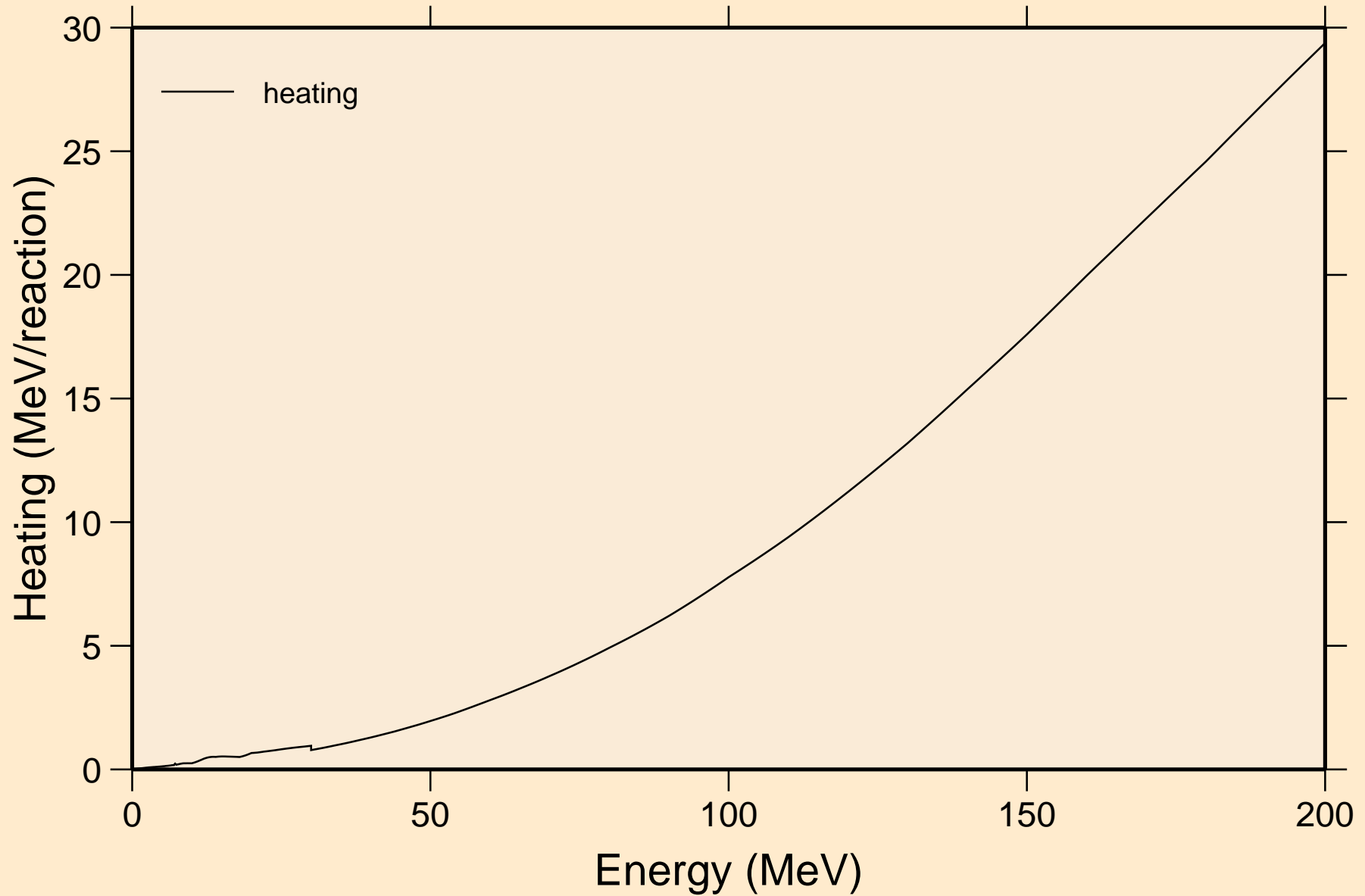
# S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



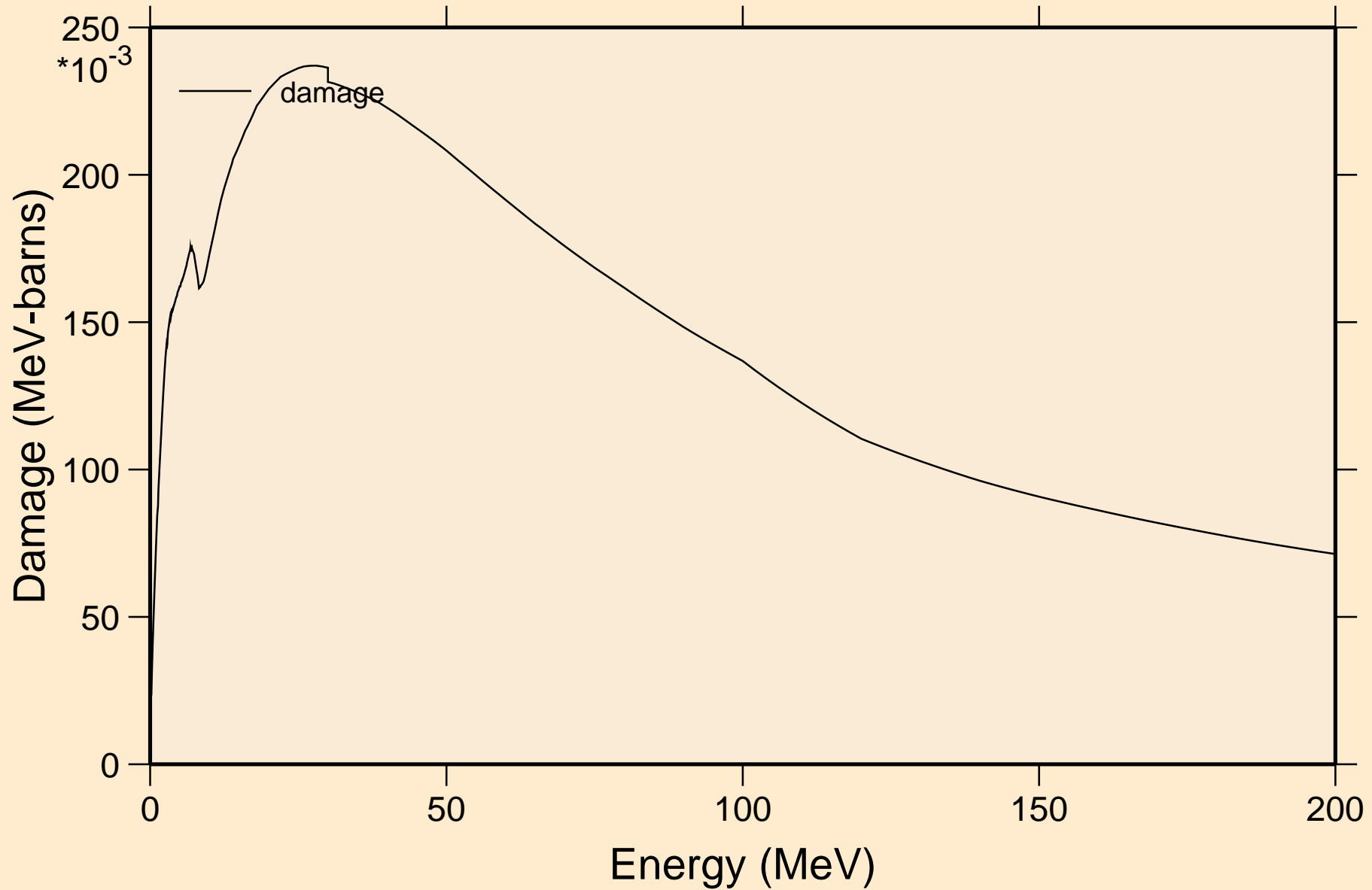
# S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

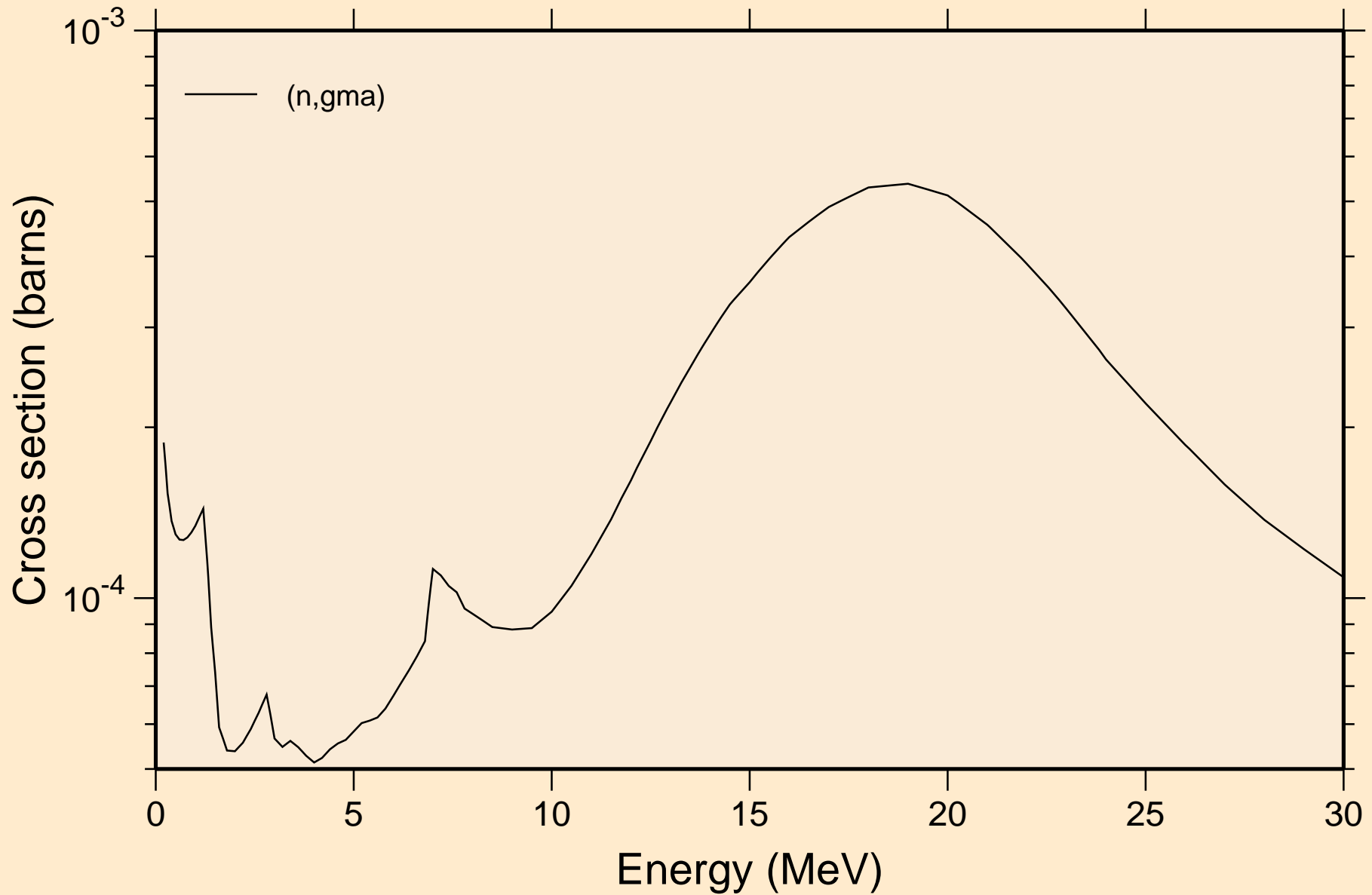


# S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage

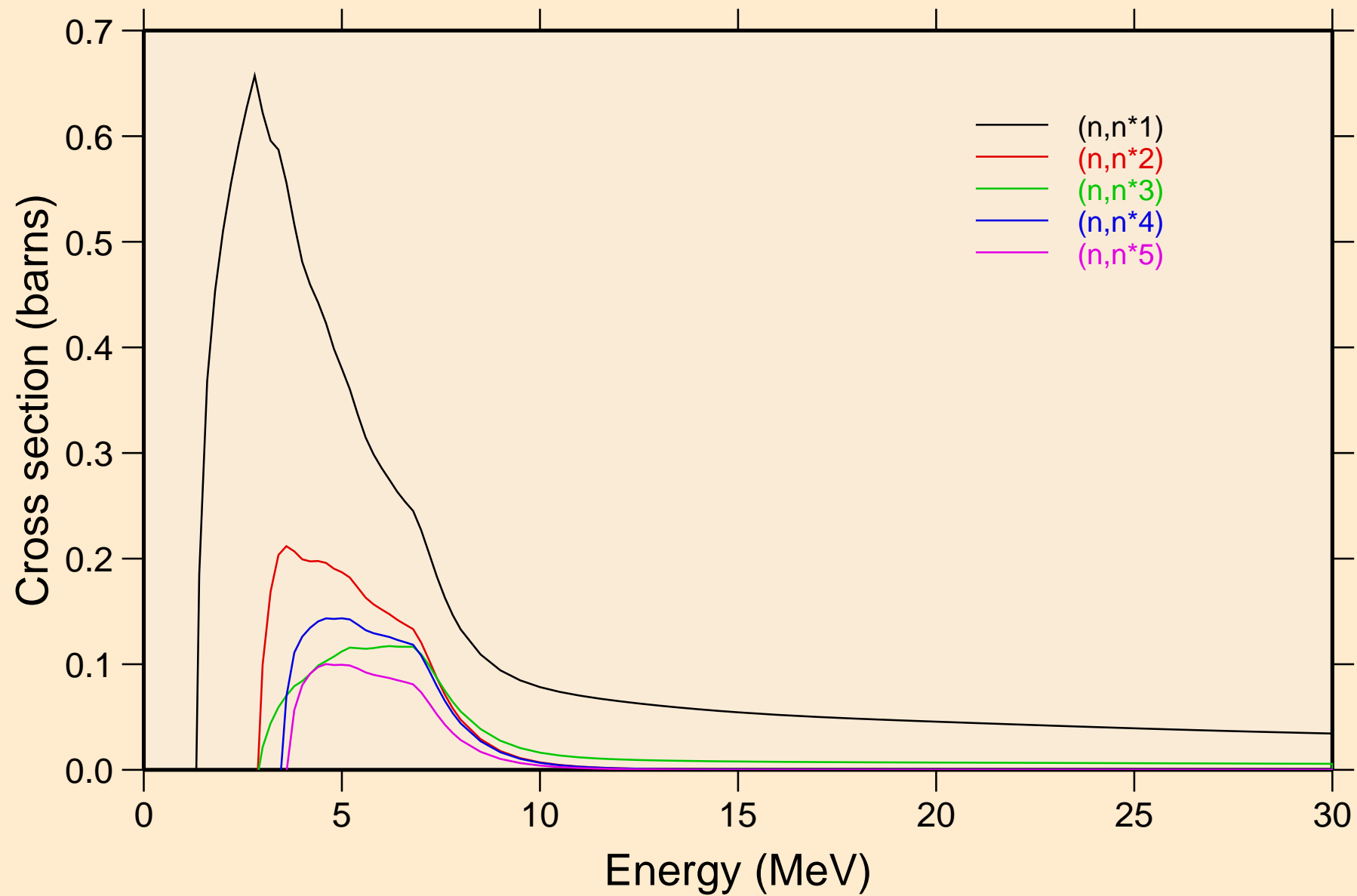


S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

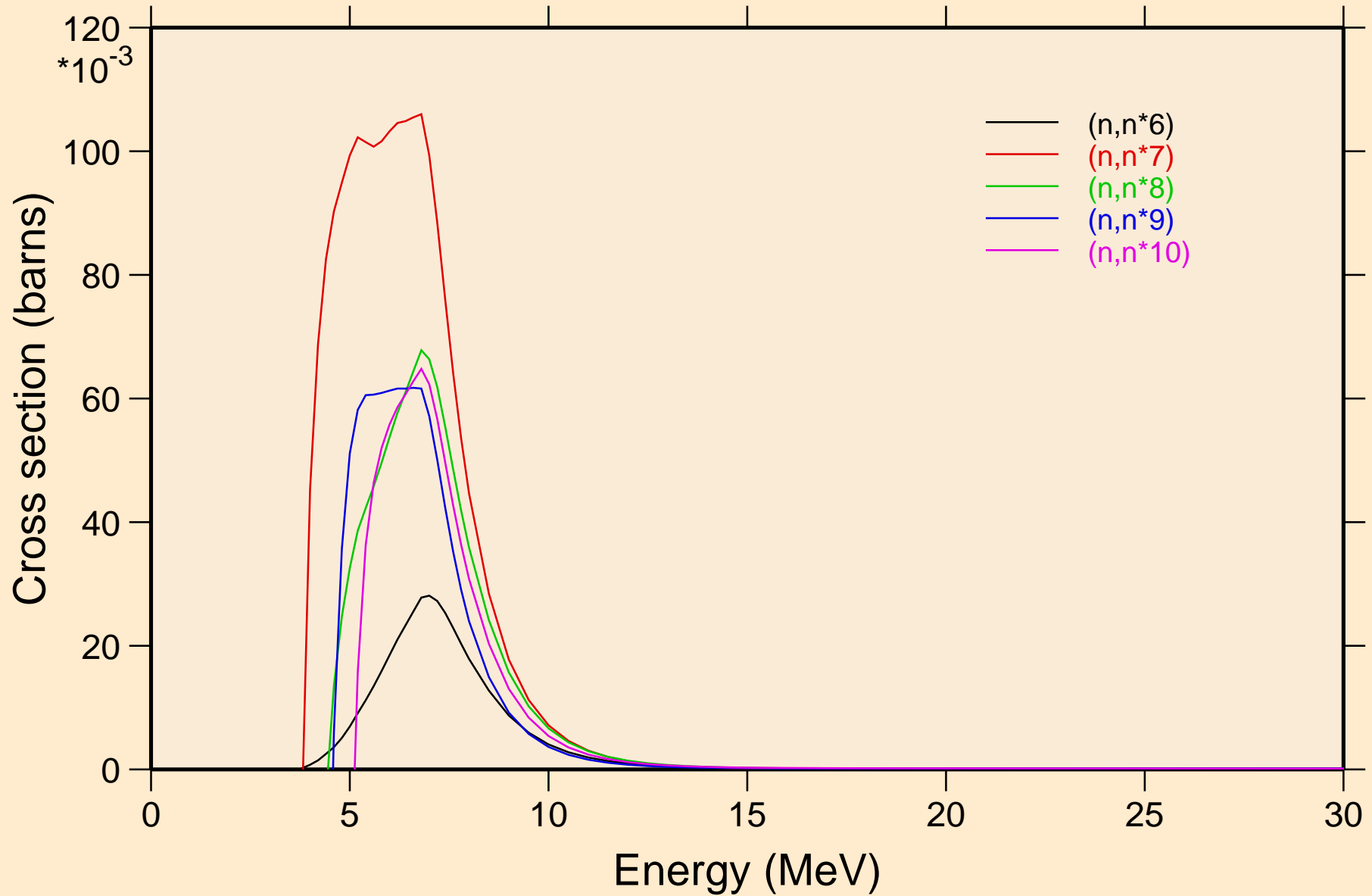




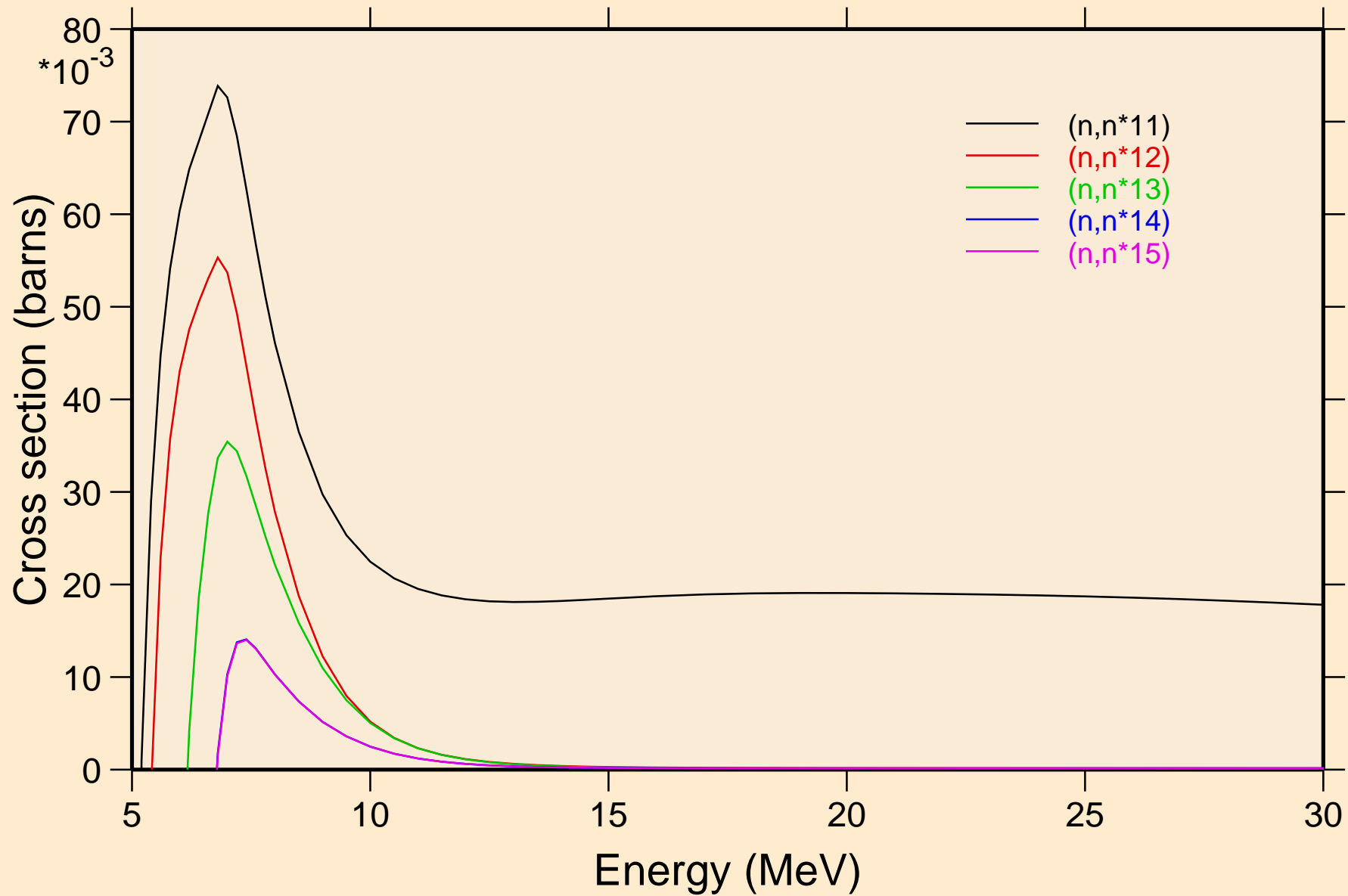
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

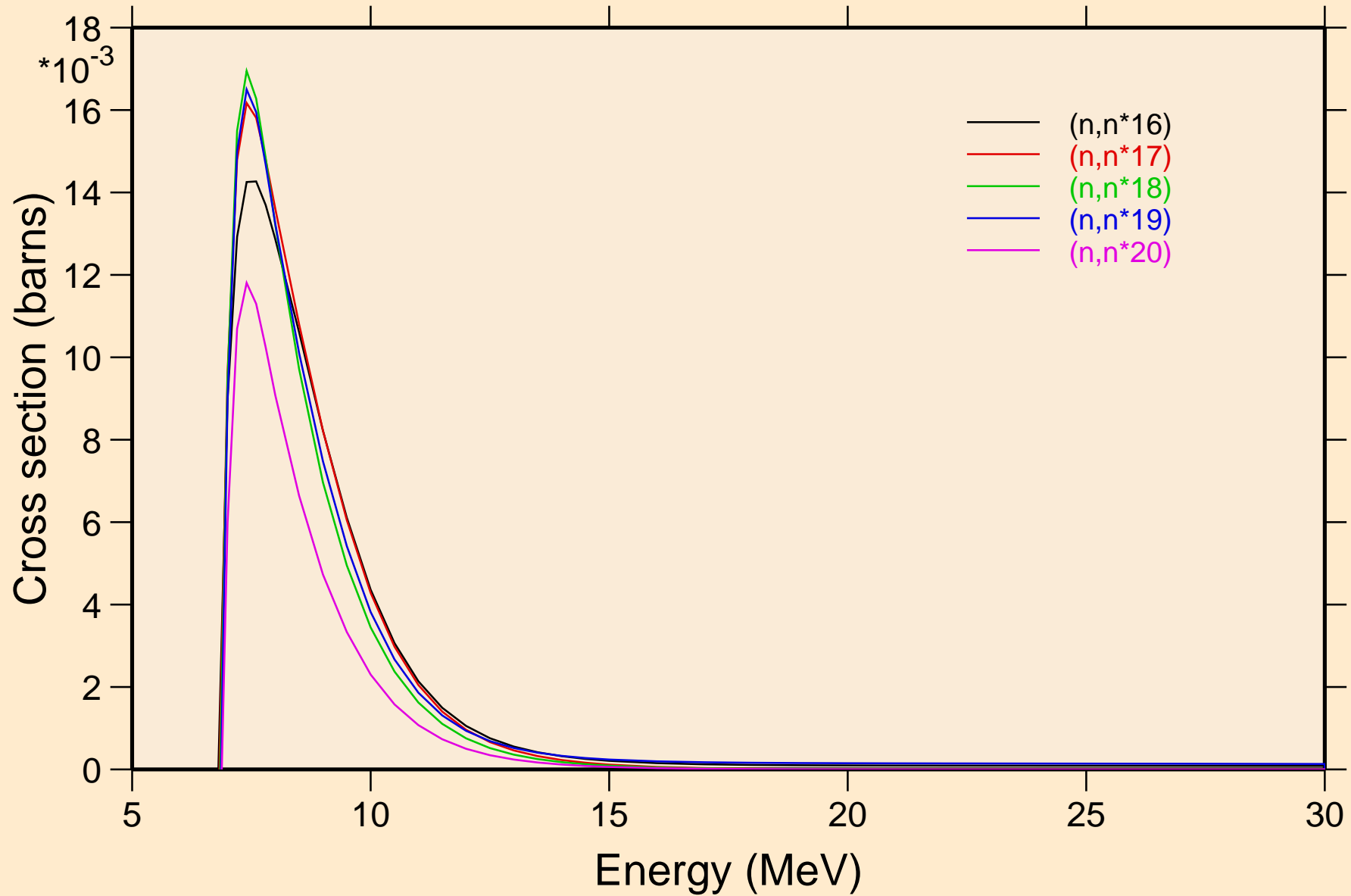


S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

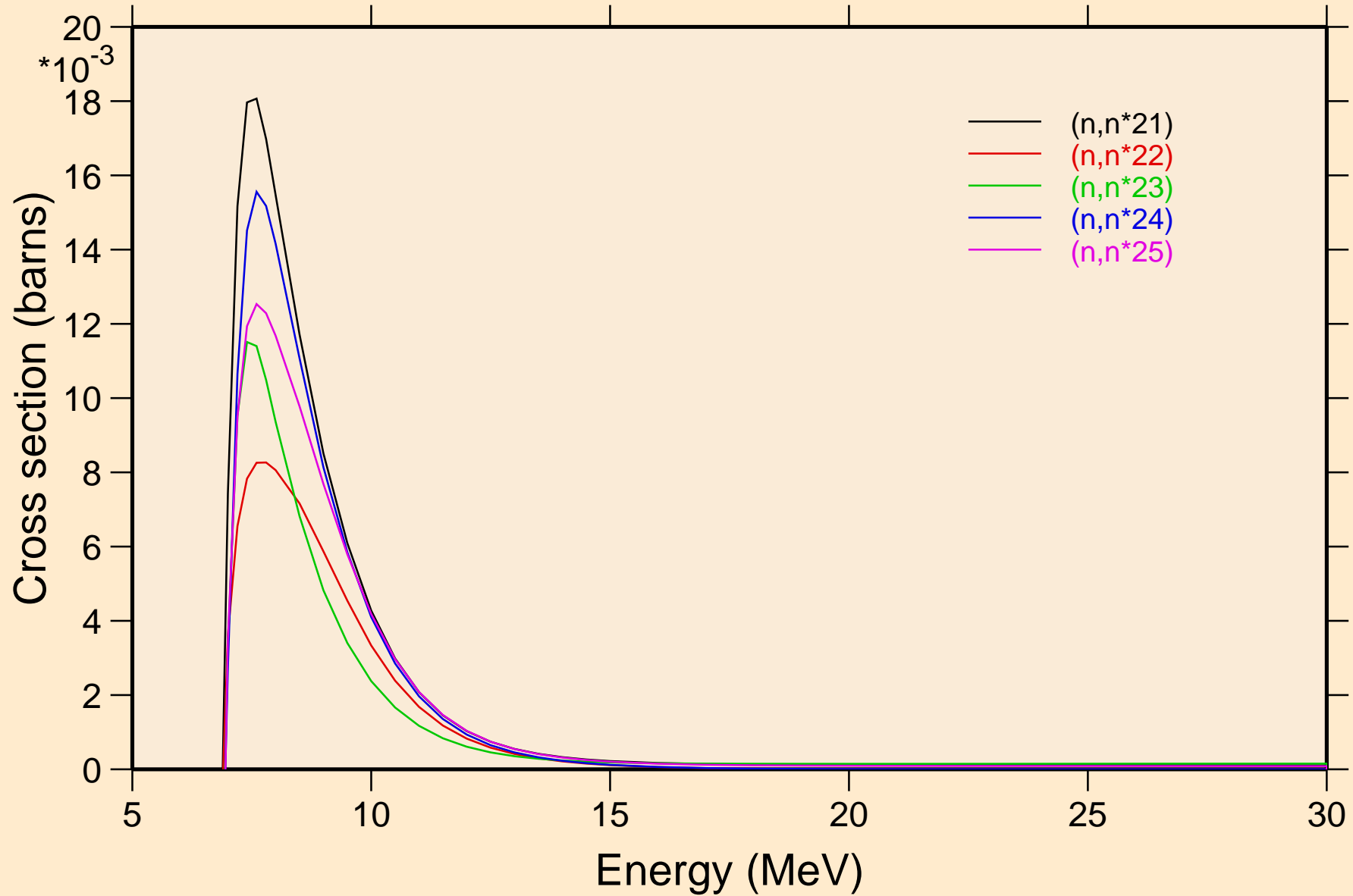


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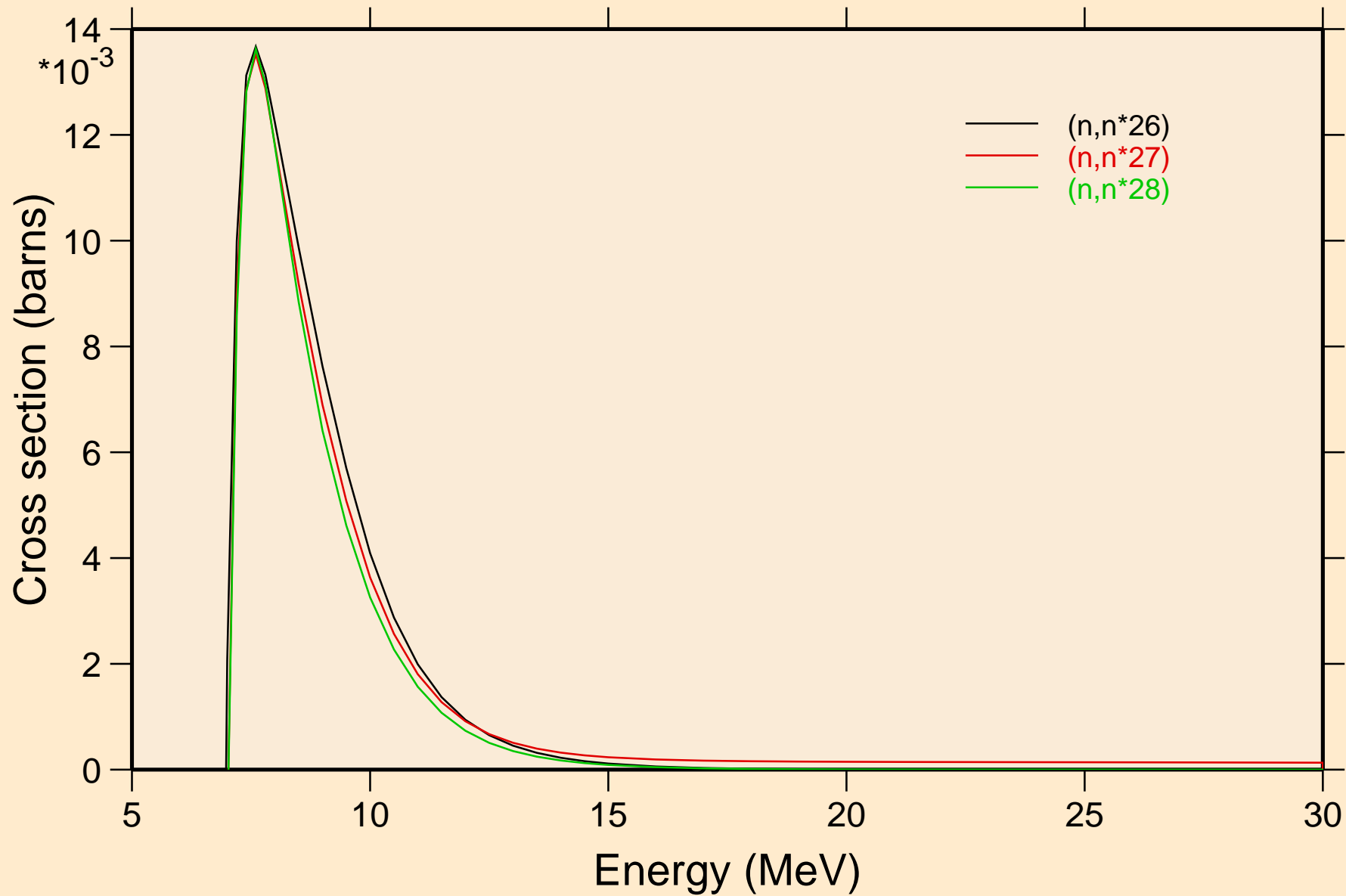
## Inelastic levels



S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

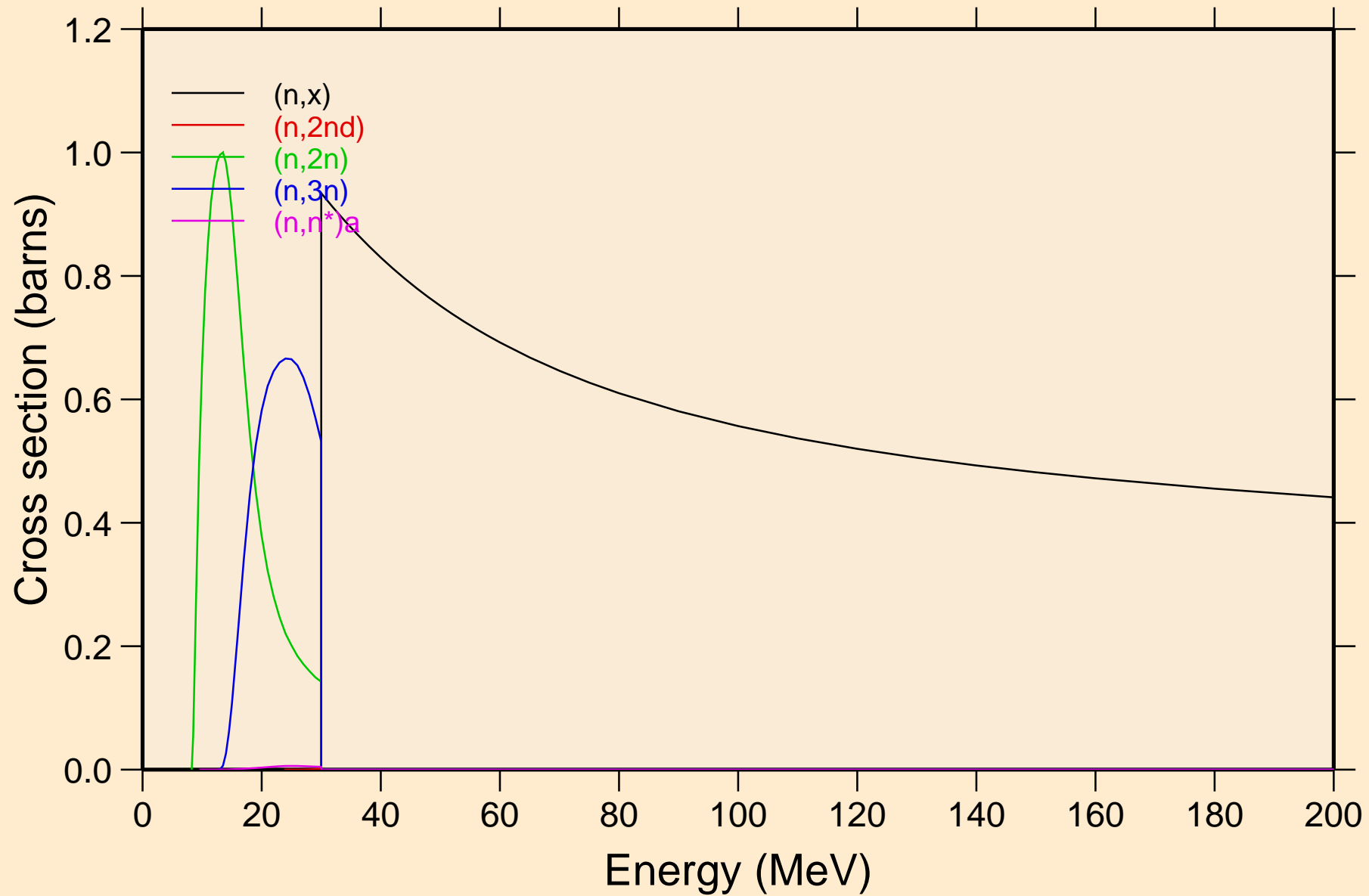


S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



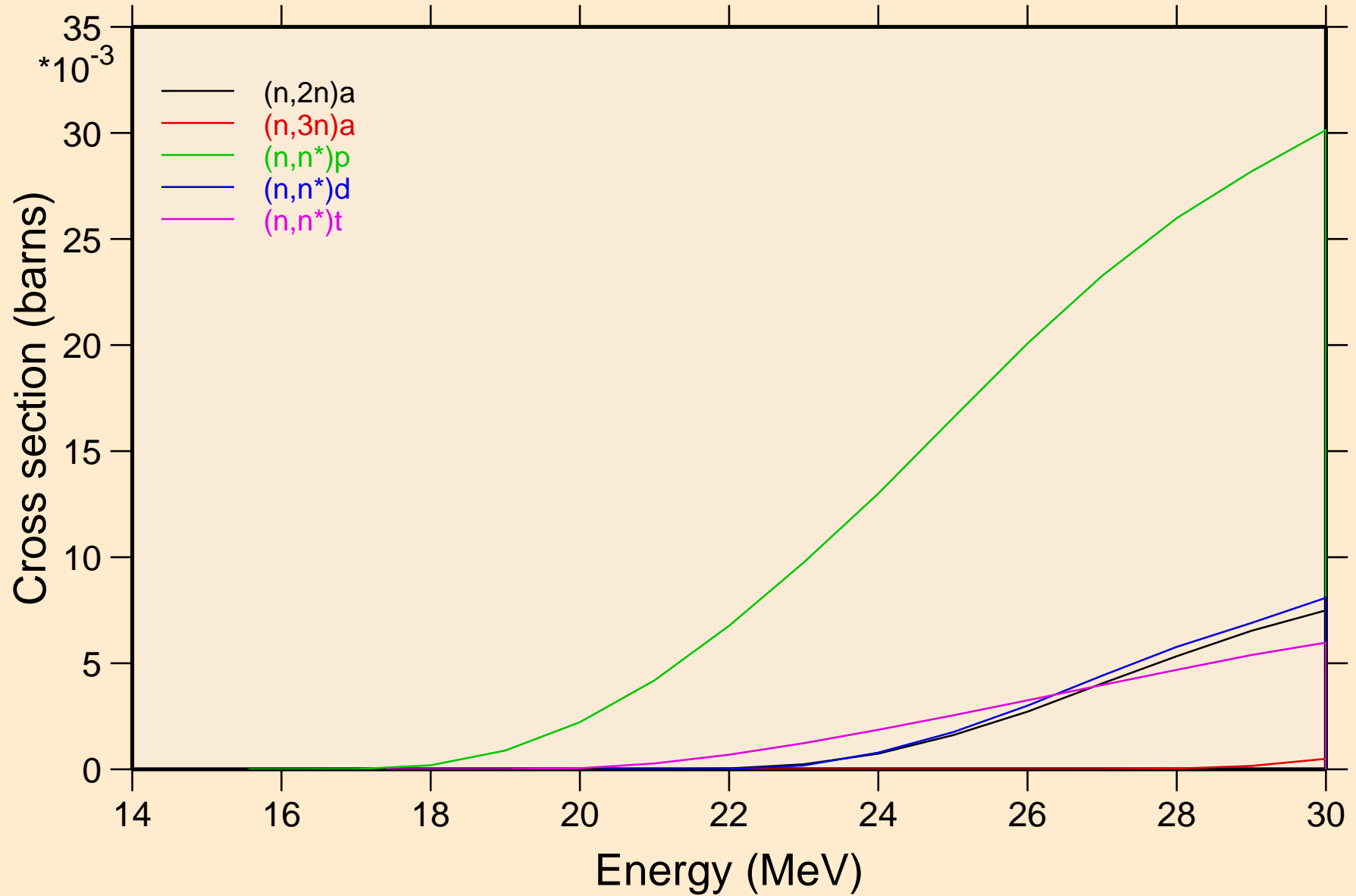
# S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



# S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

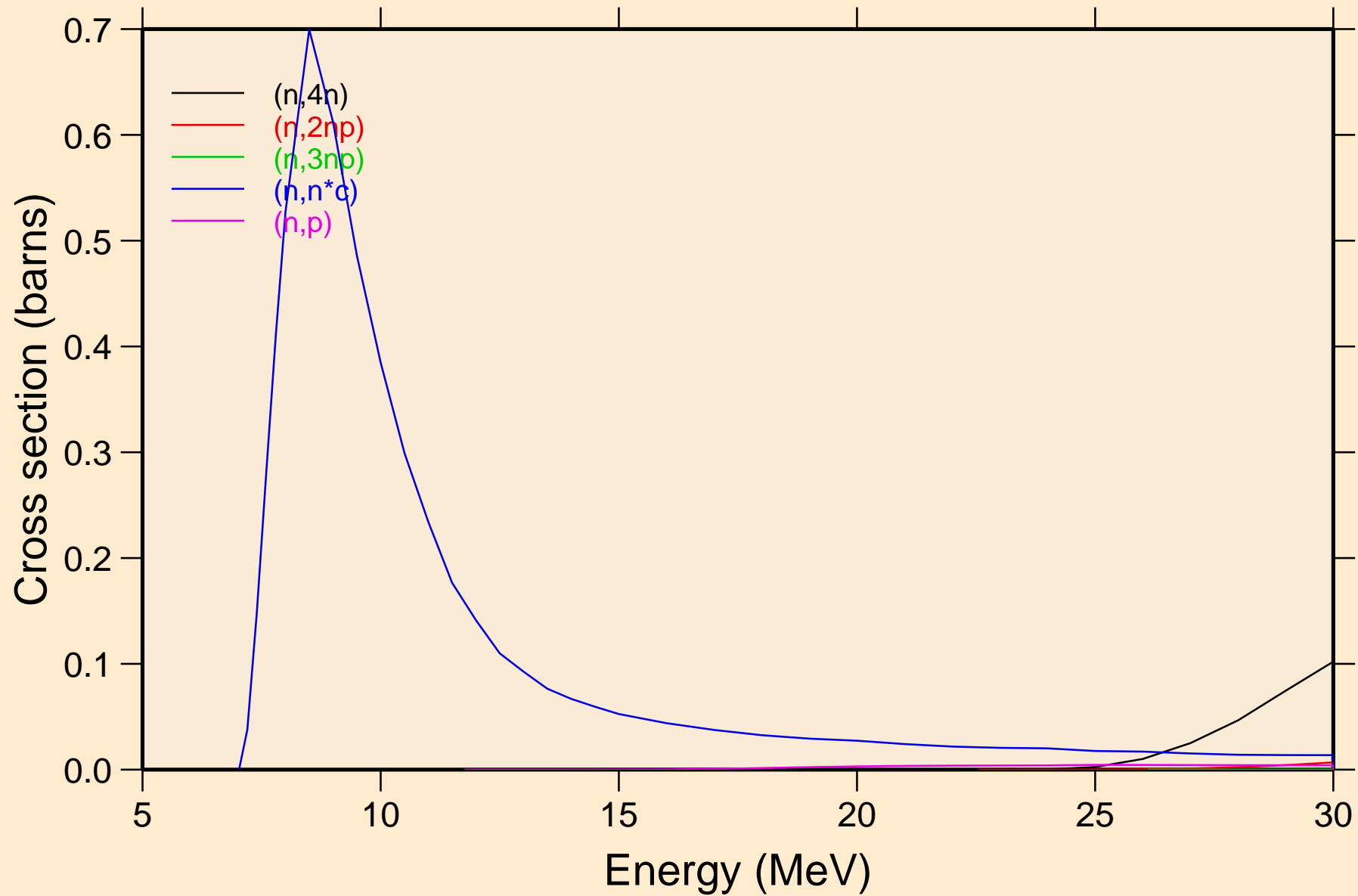
## Threshold reactions



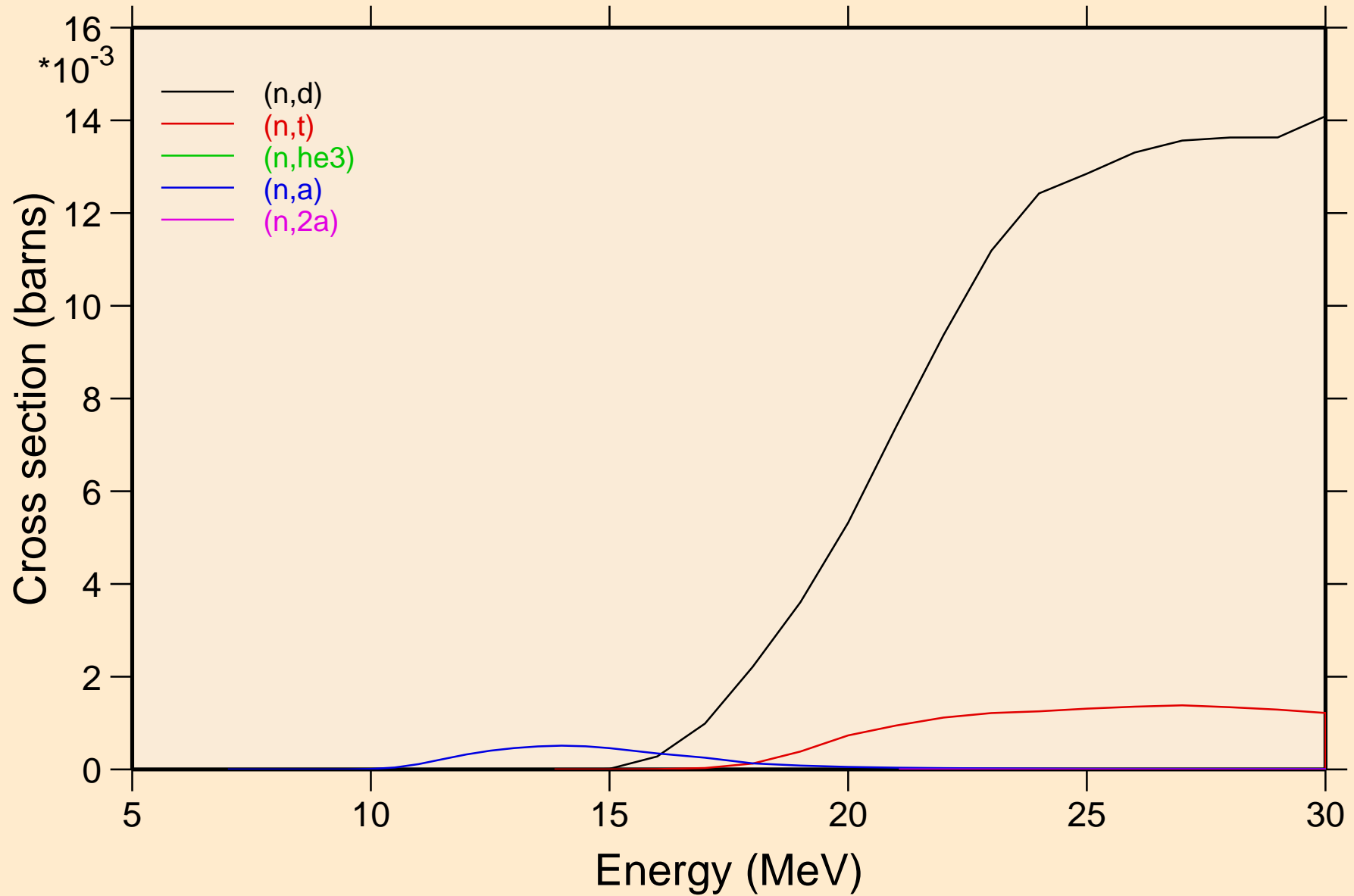


# S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

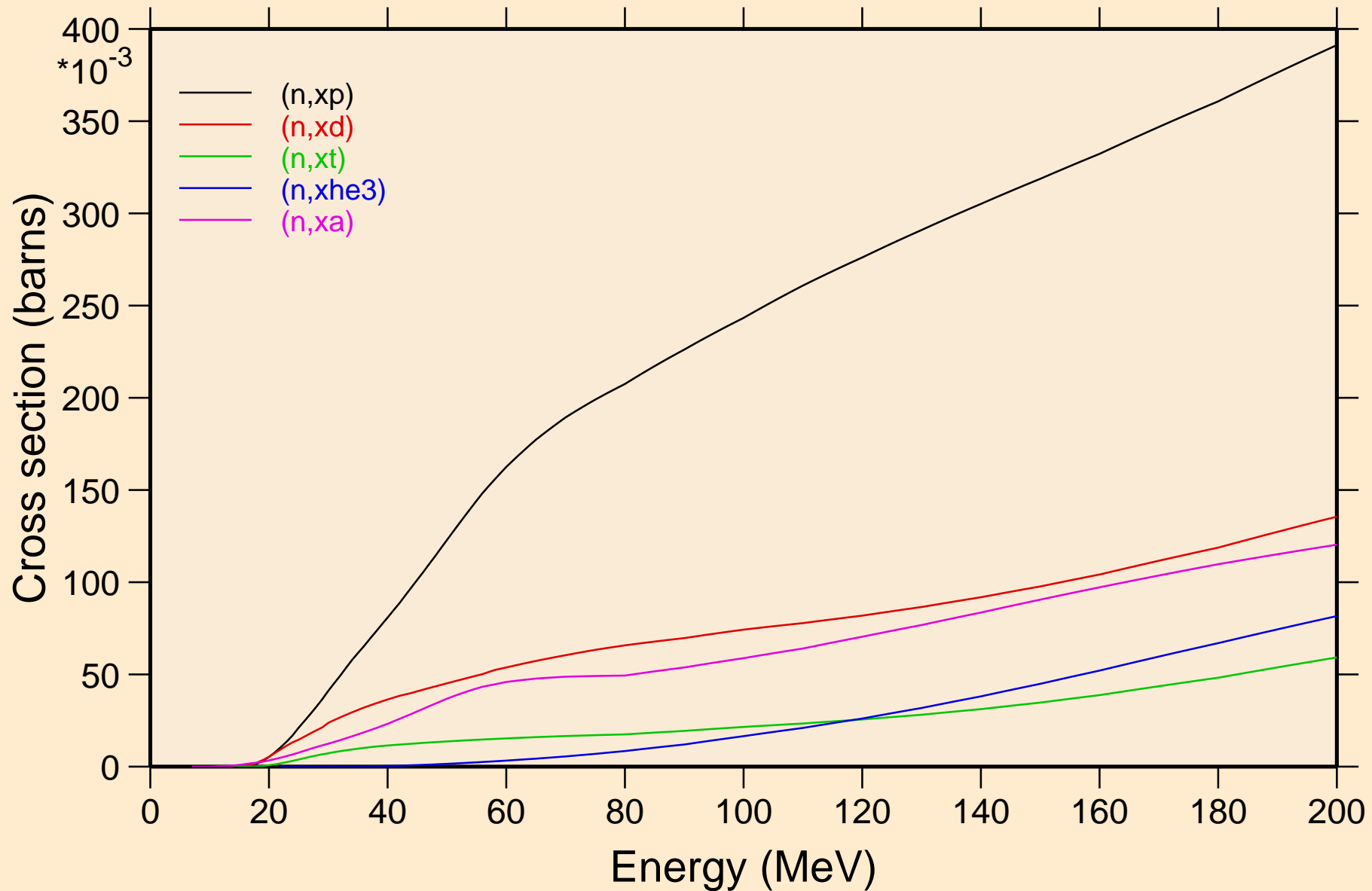


S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

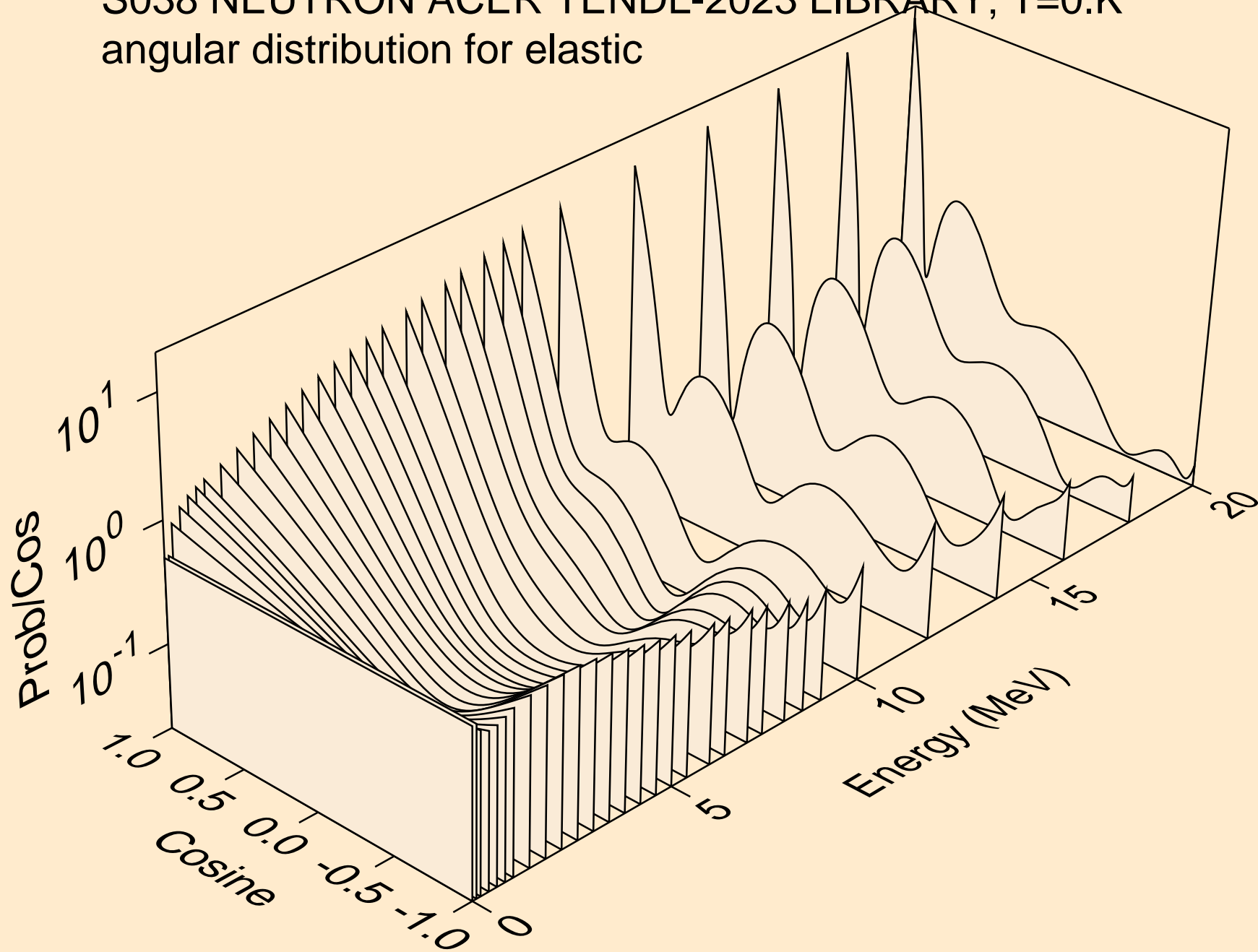


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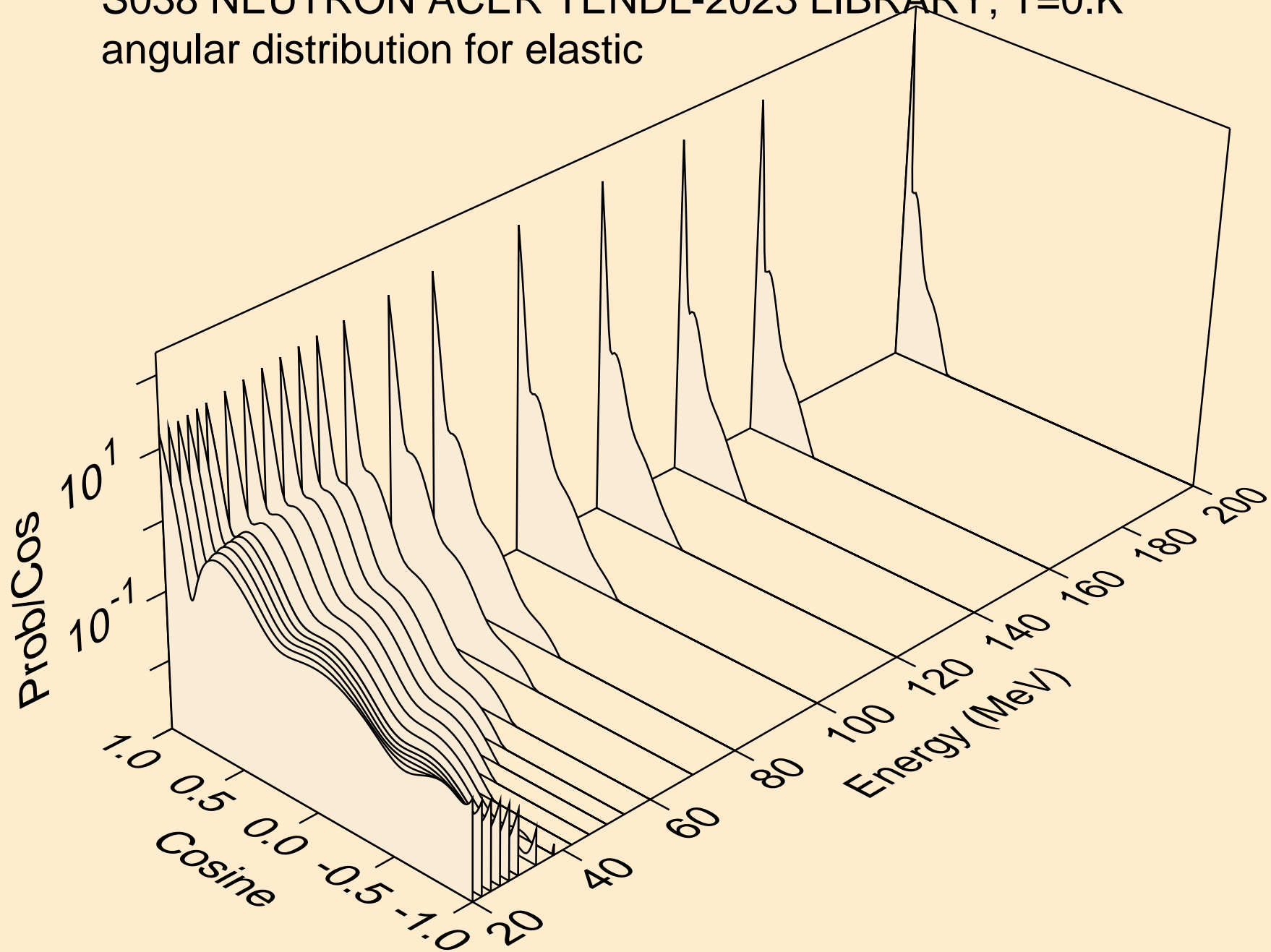
## Threshold reactions



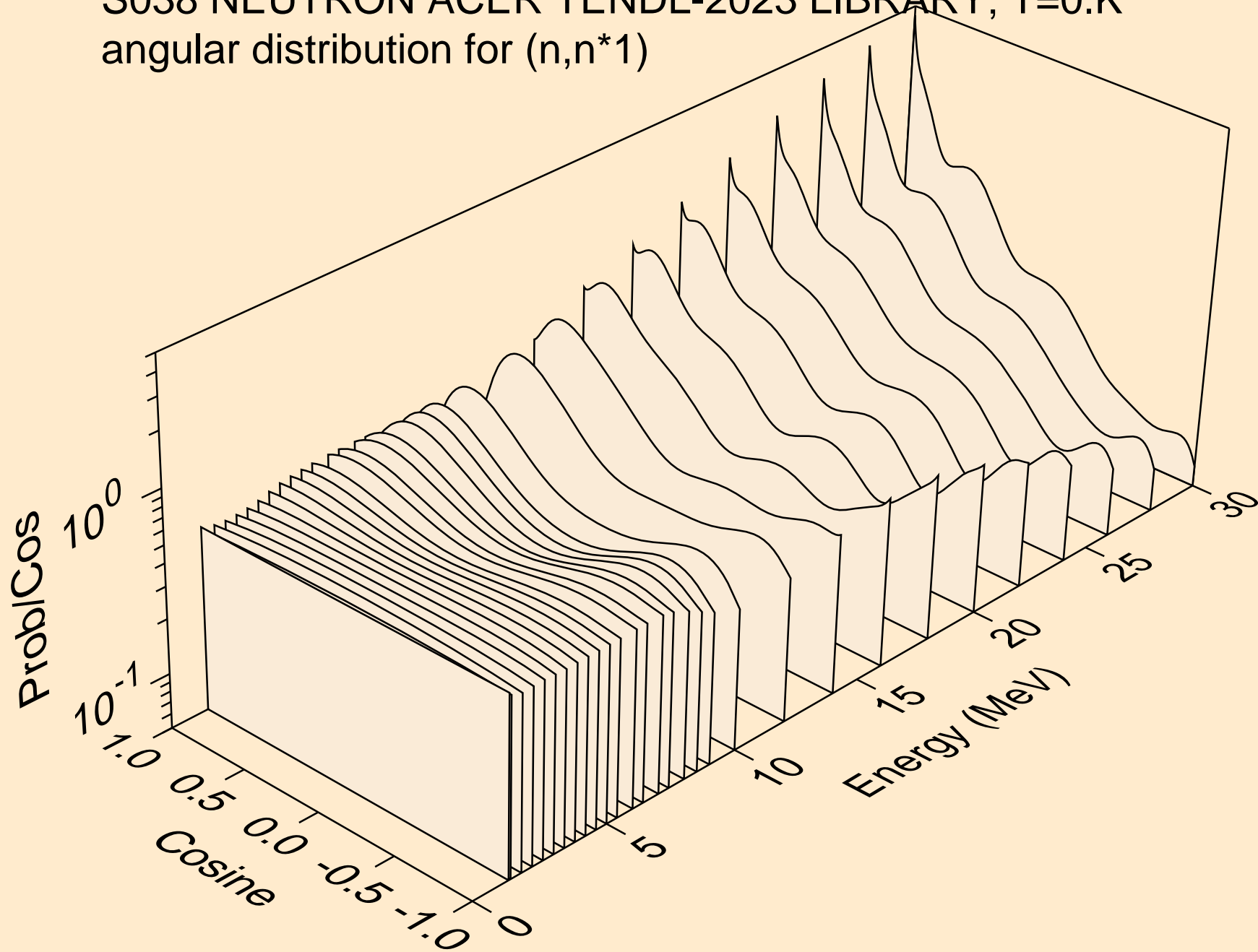
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



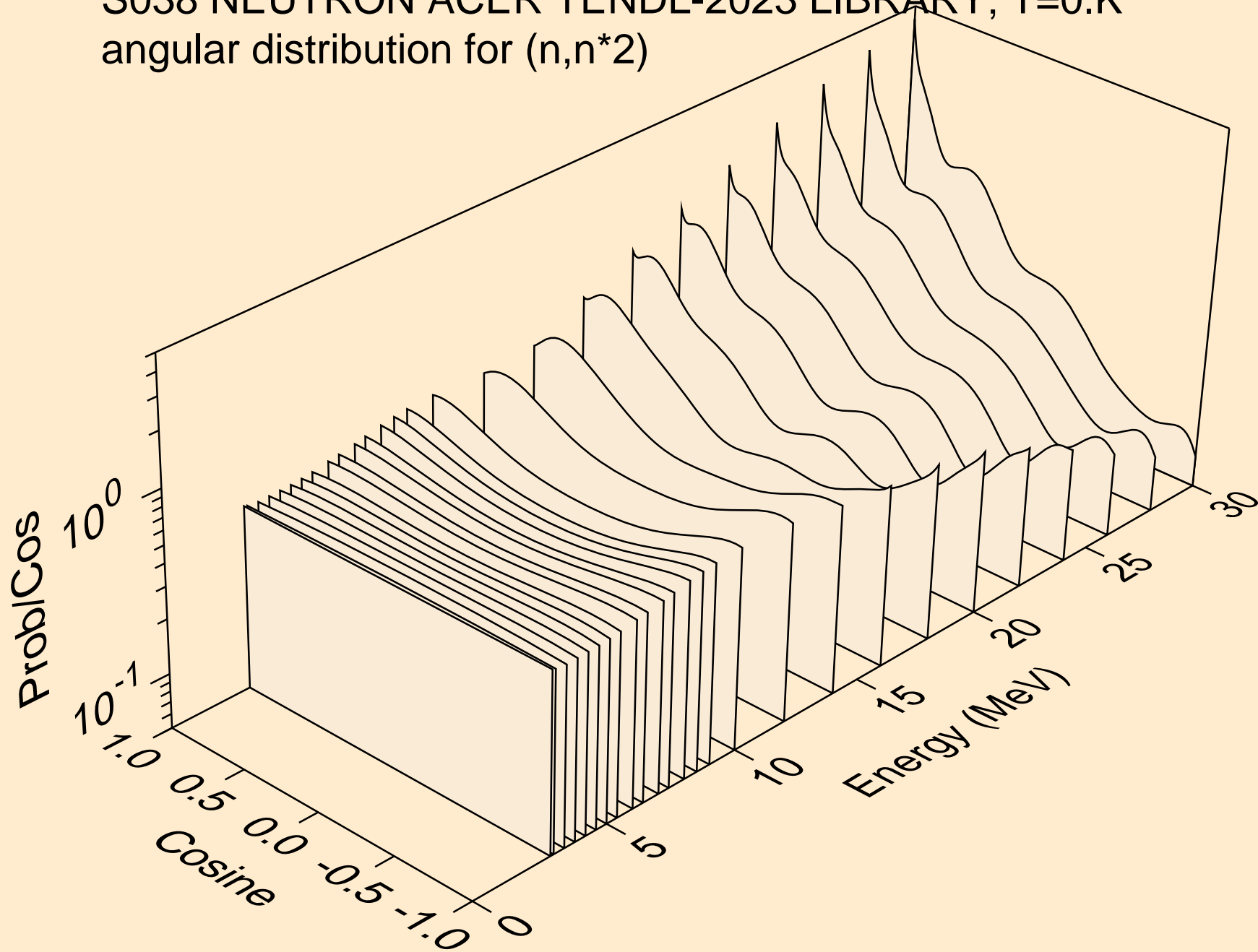
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angular distribution for elastic



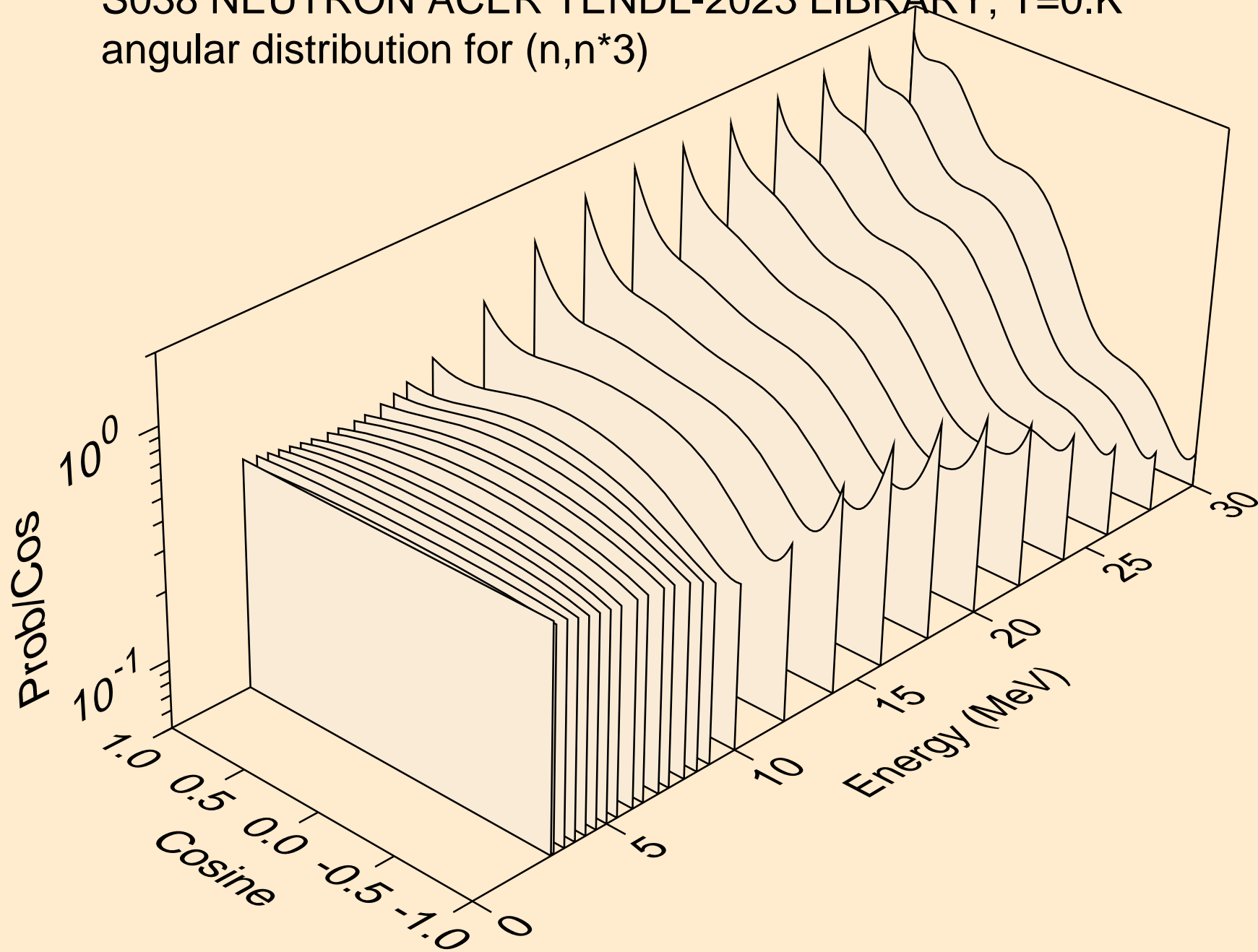
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

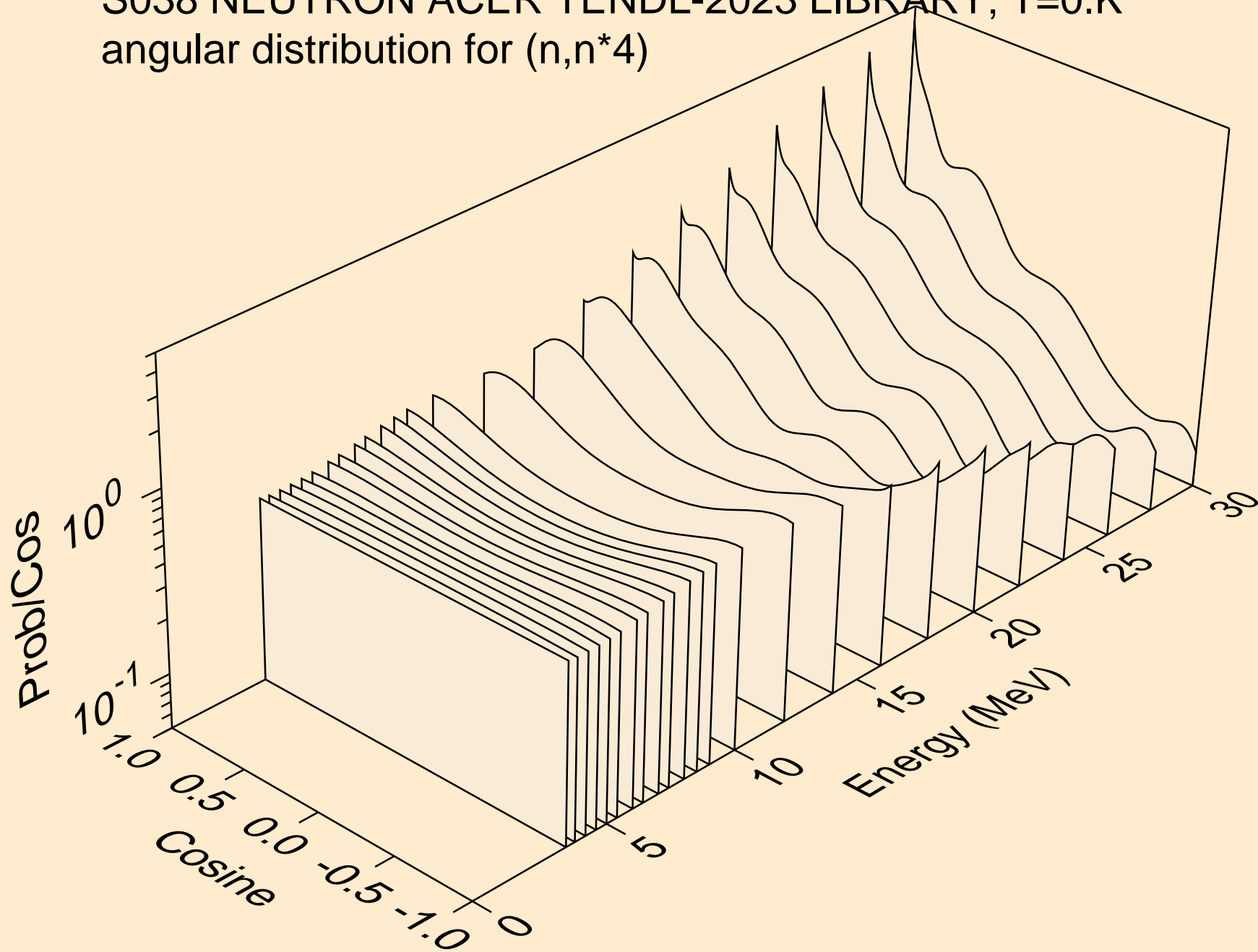


S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)

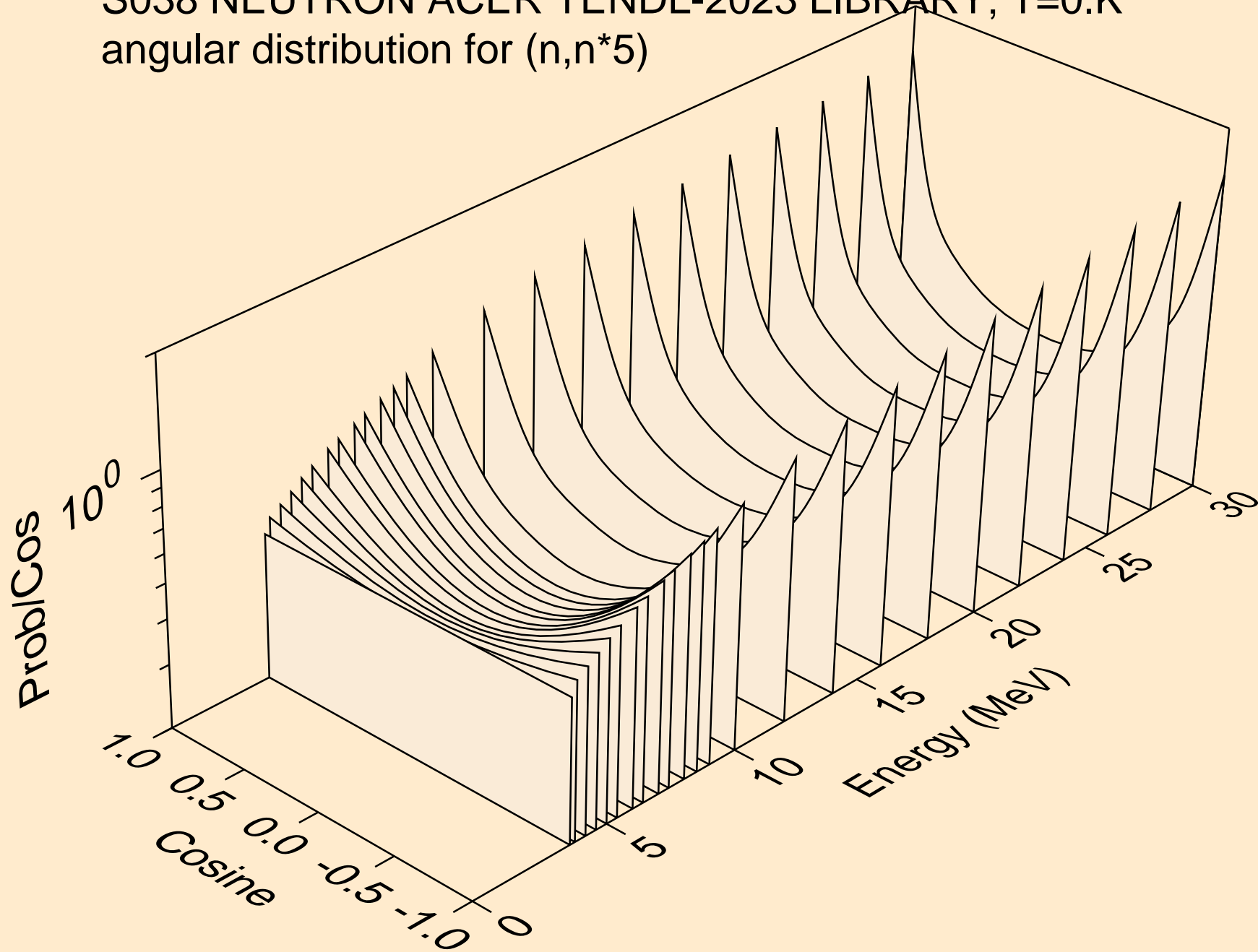




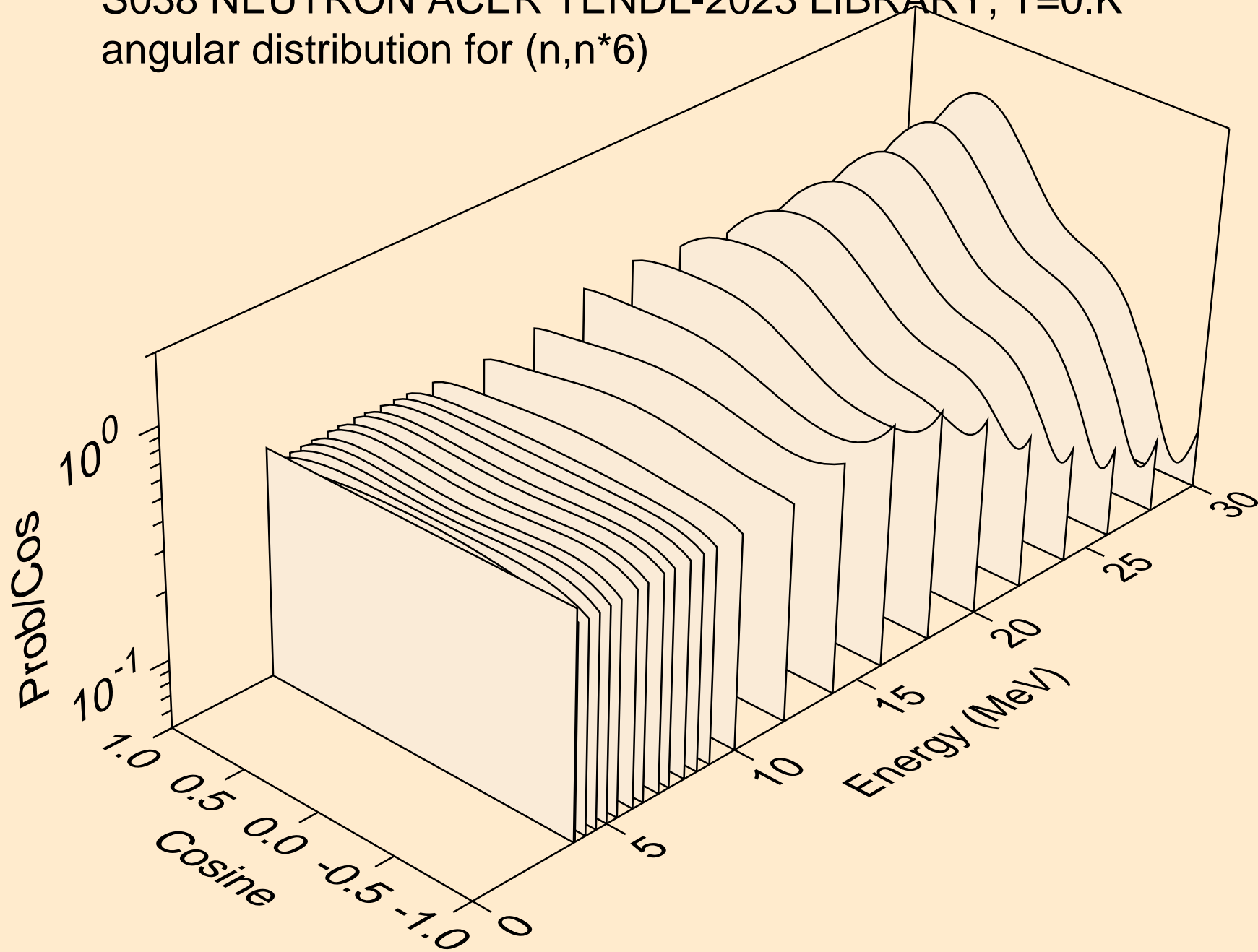
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angular distribution for (n,n\*4)



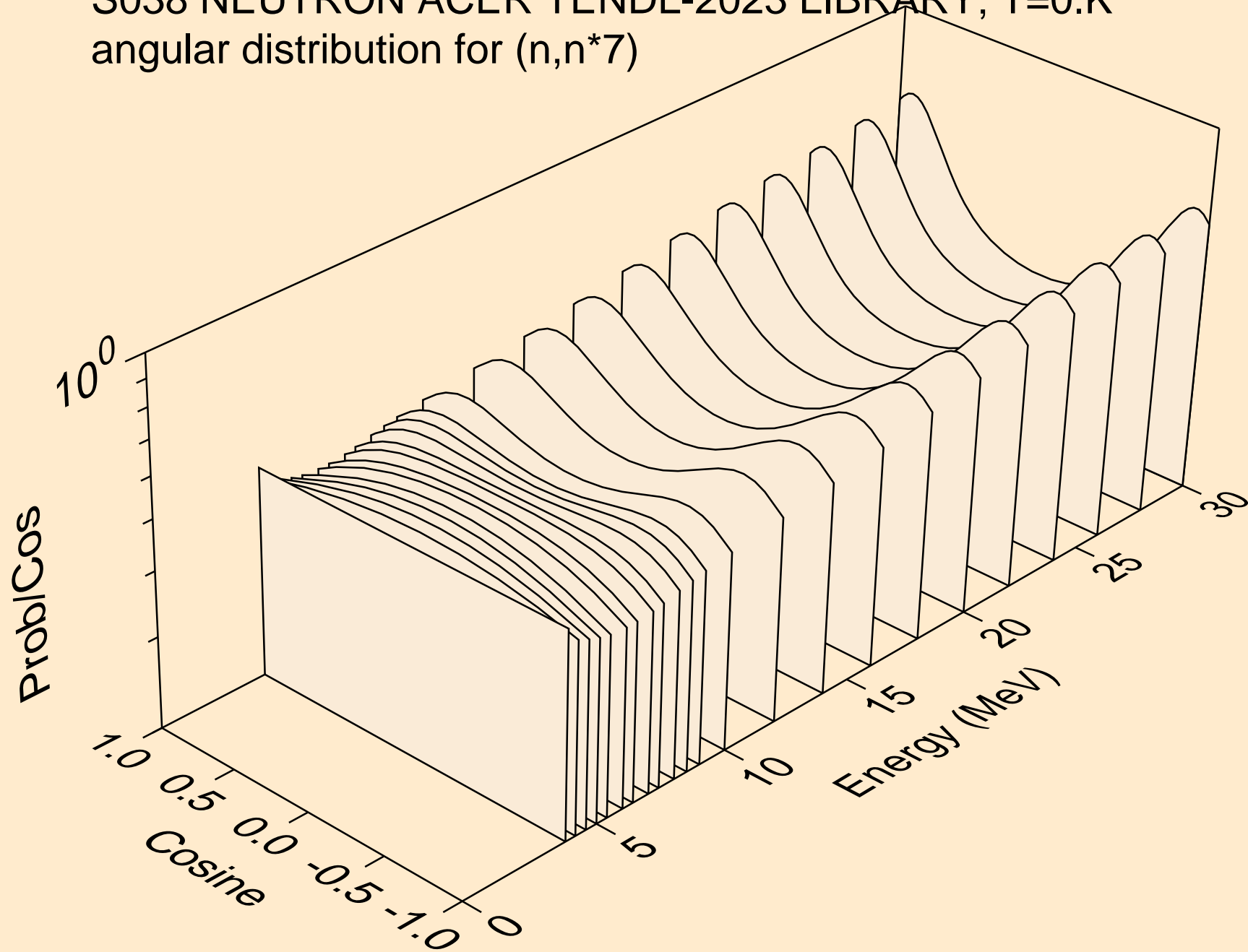
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angular distribution for (n,n\*5)



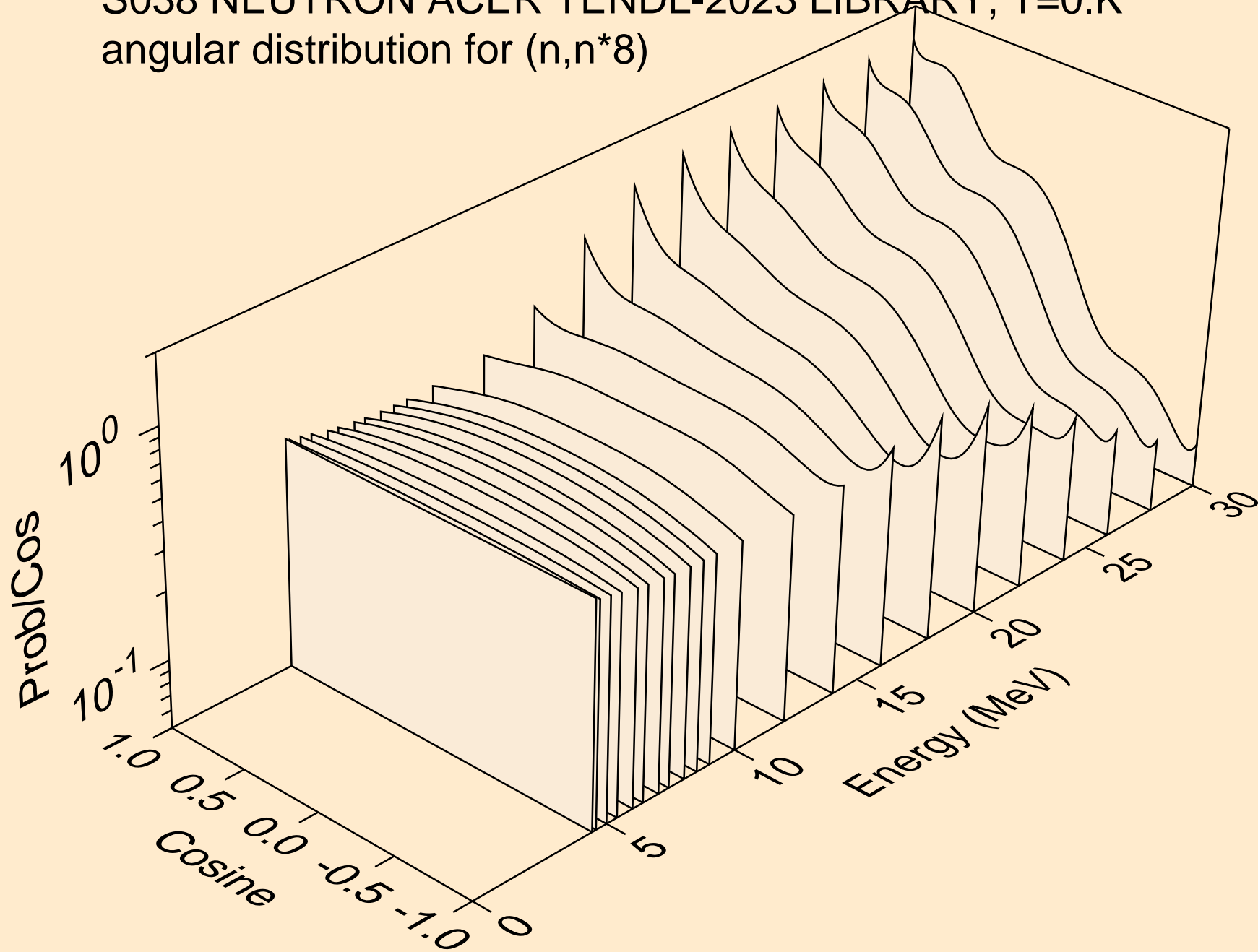
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angular distribution for (n,n\*6)



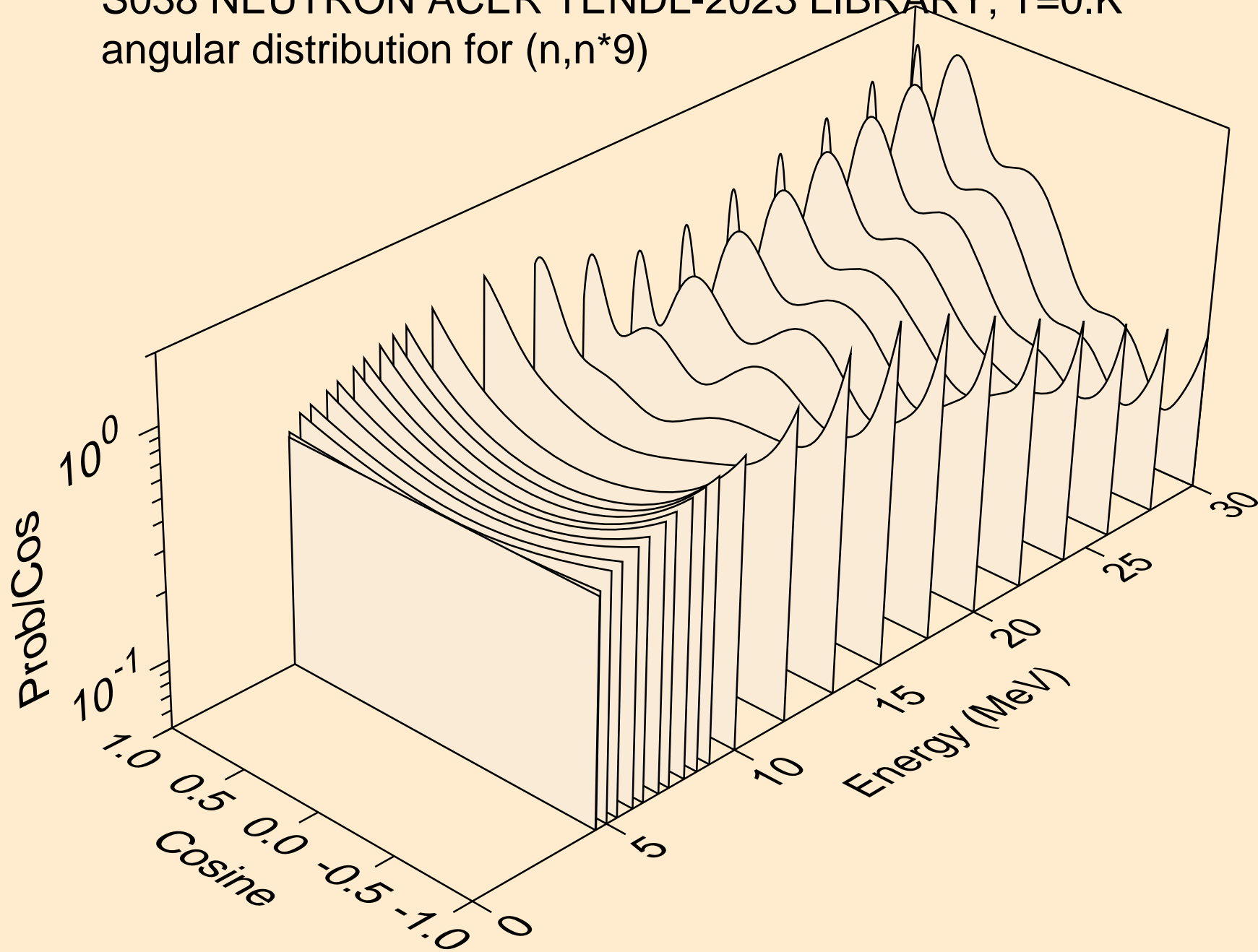
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angular distribution for (n,n\*7)



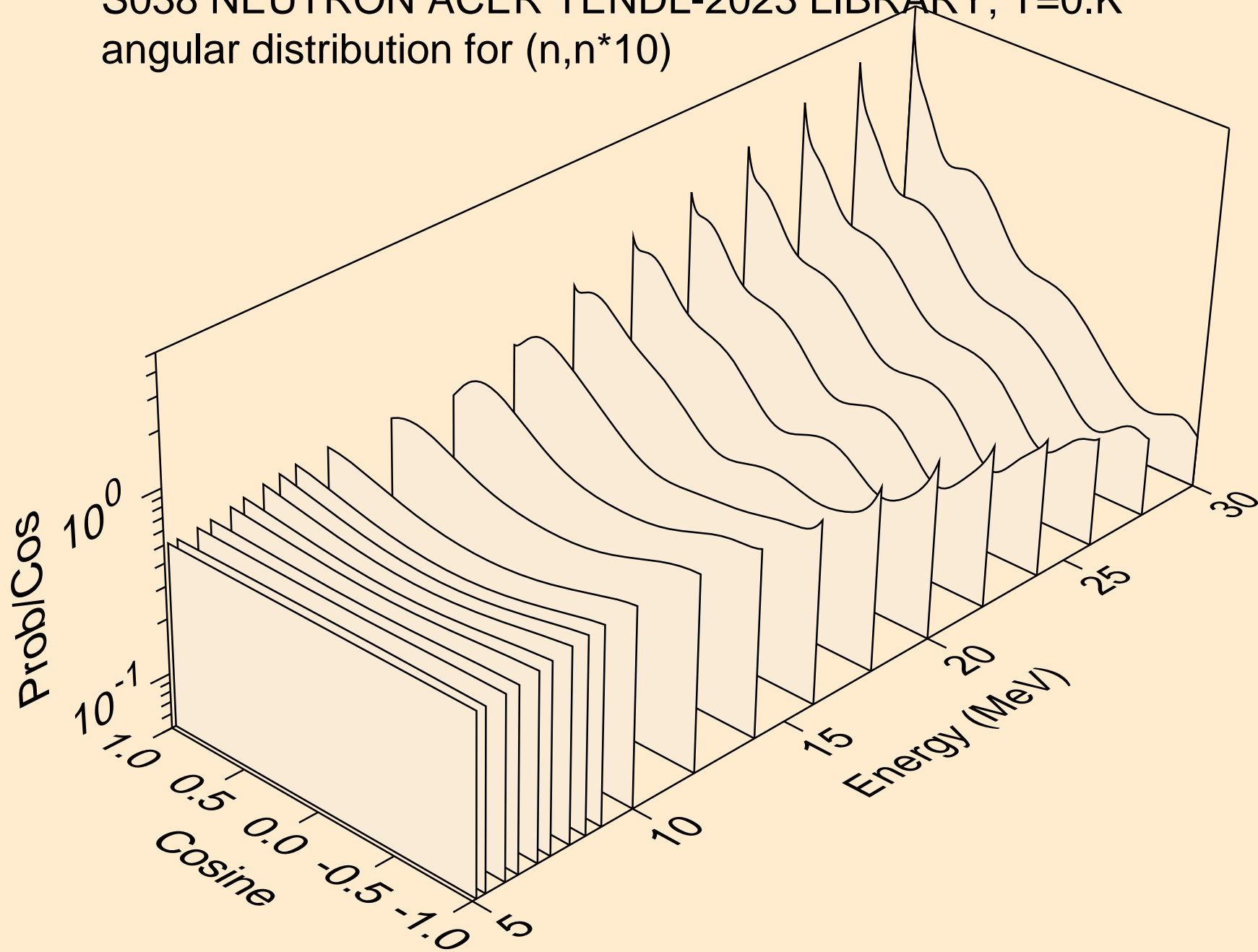
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angular distribution for (n,n\*8)



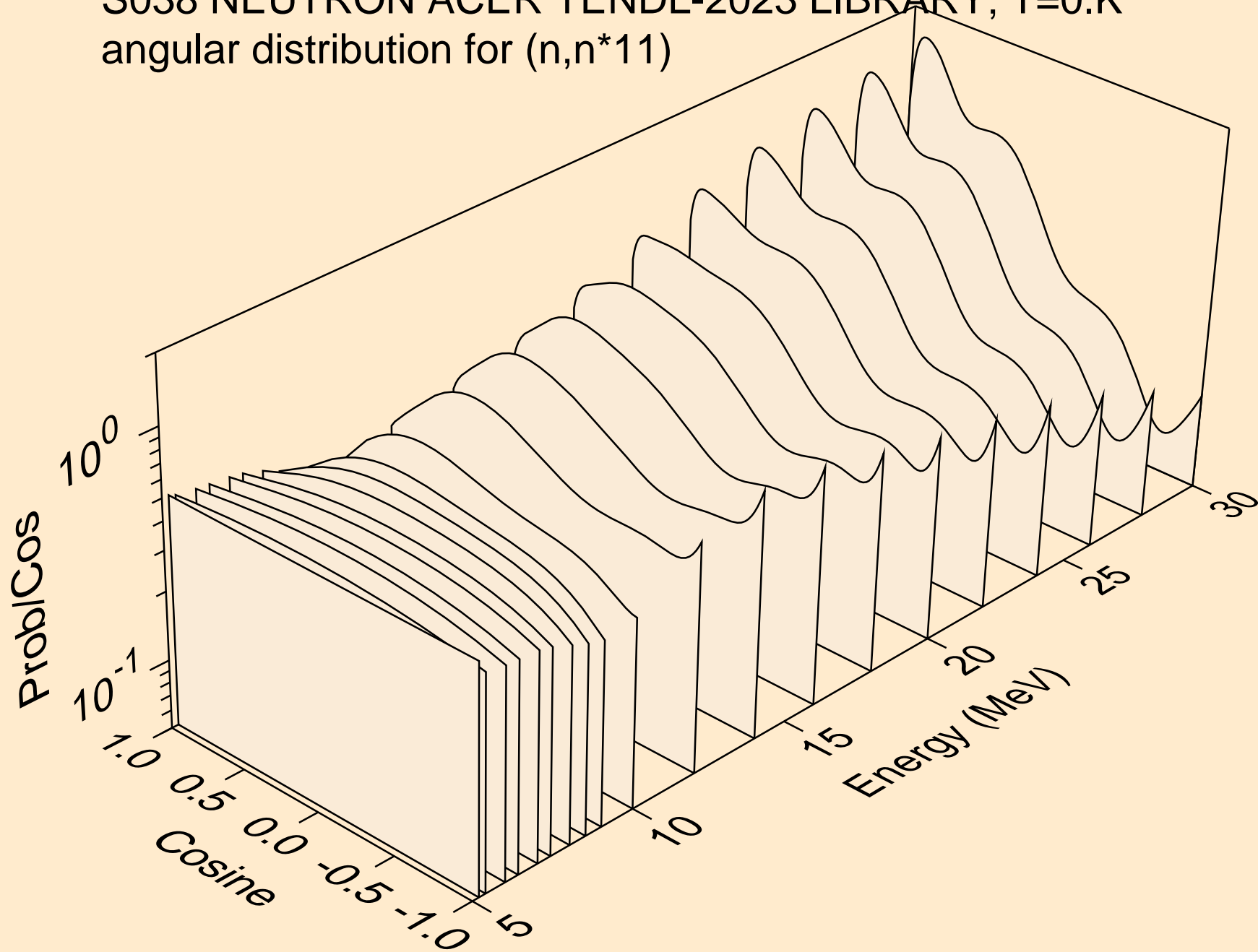
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angular distribution for (n,n\*9)



S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

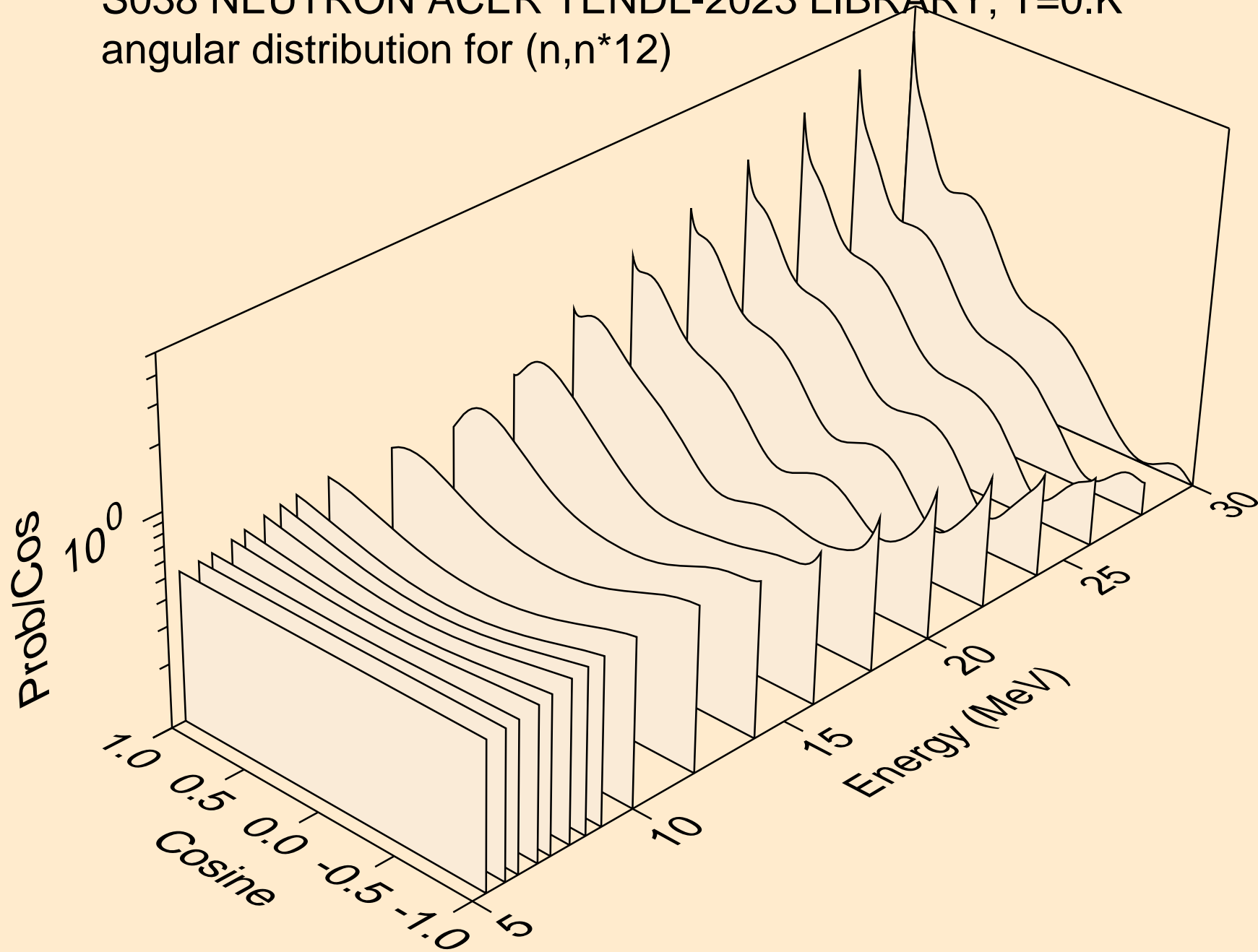


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angular distribution for (n,n\*11)

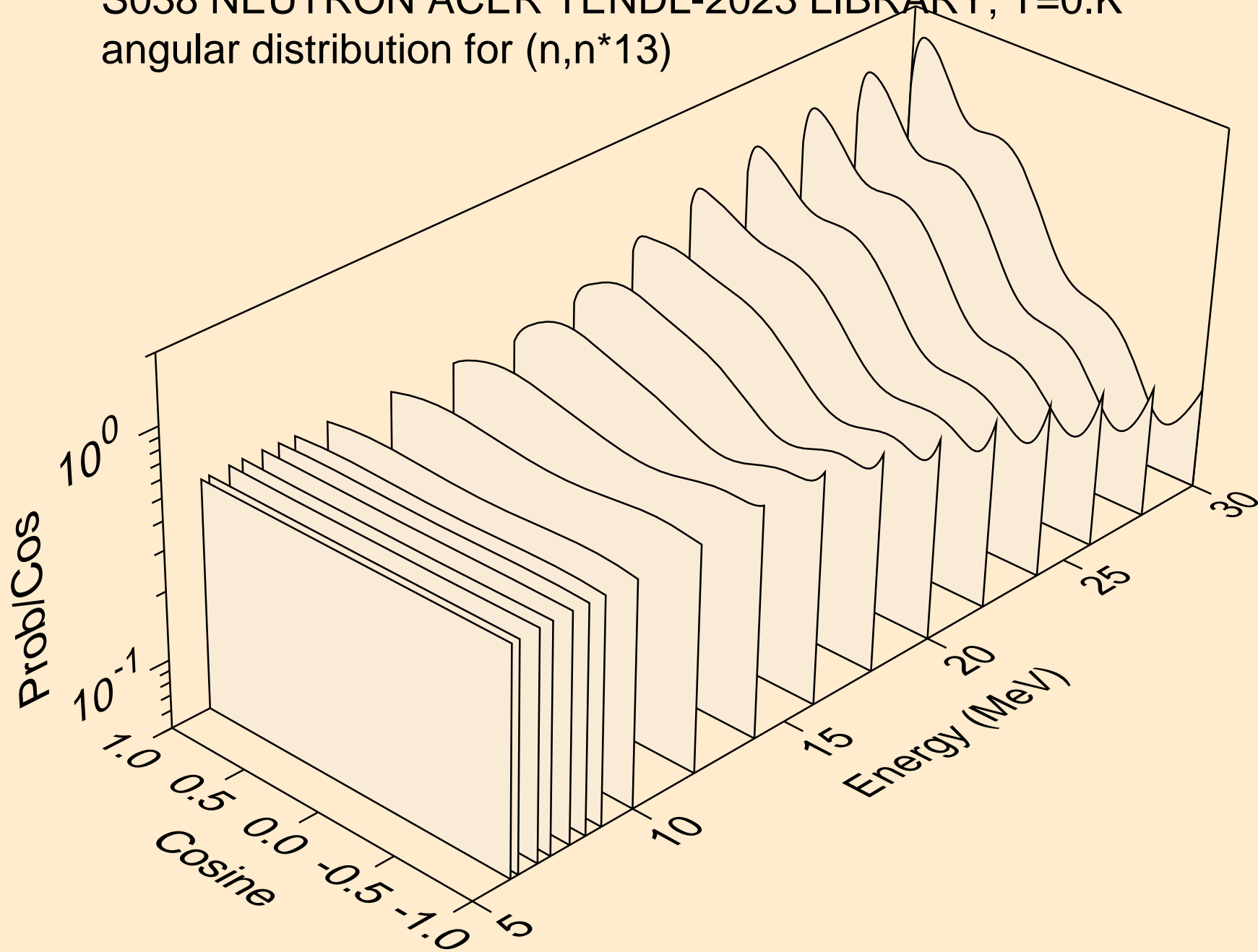




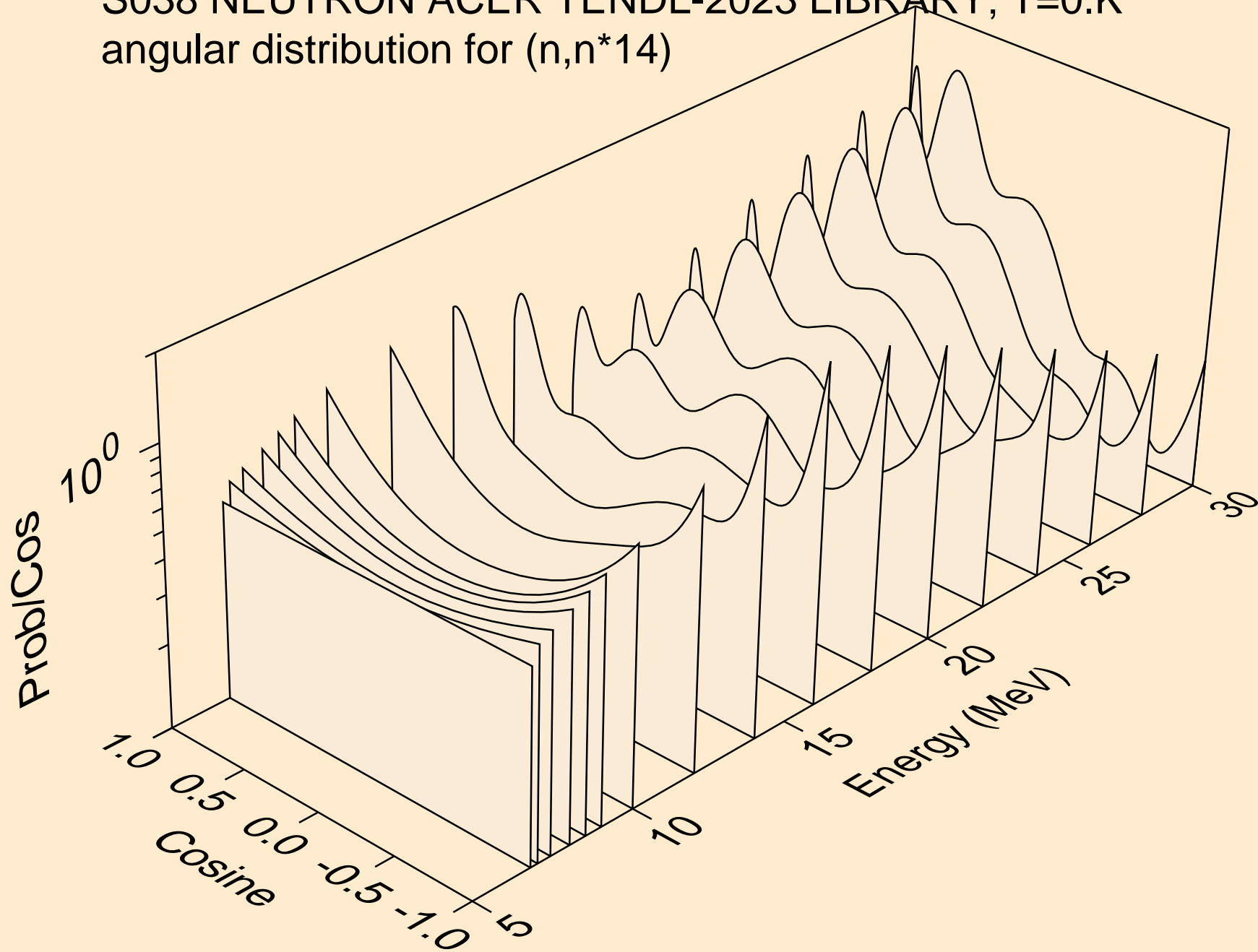
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angular distribution for (n,n\*12)



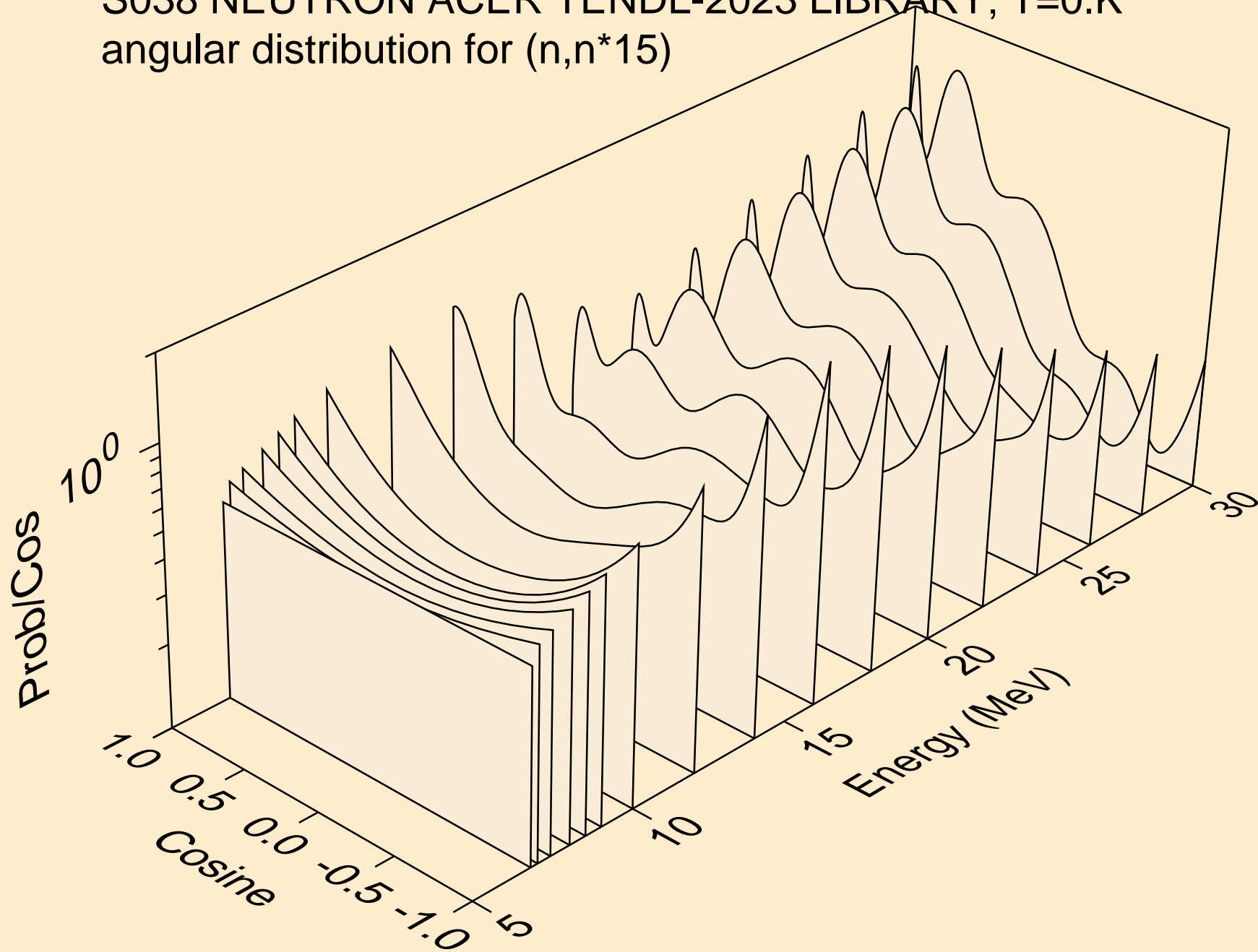
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angular distribution for (n,n\*13)



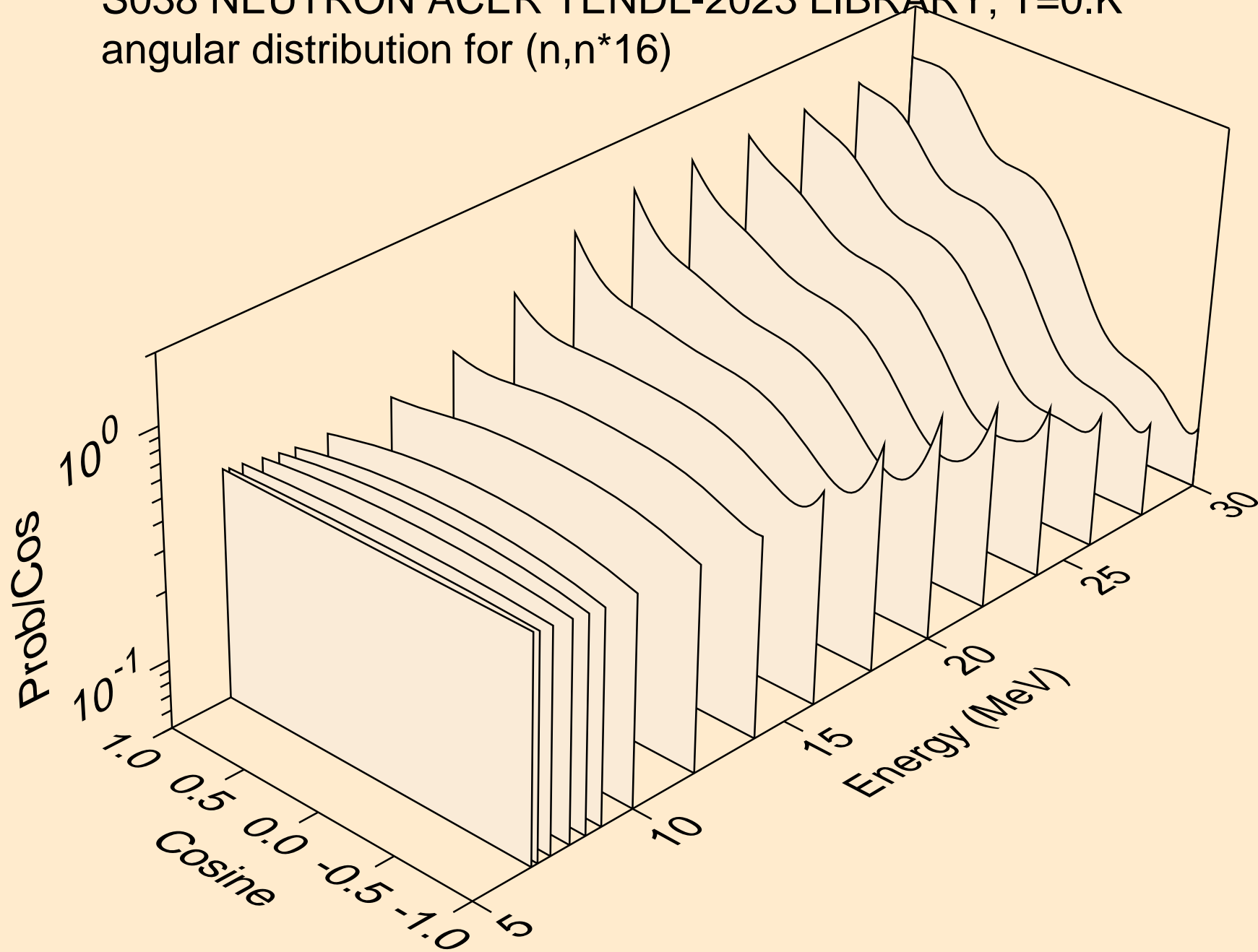
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angular distribution for (n,n\*14)



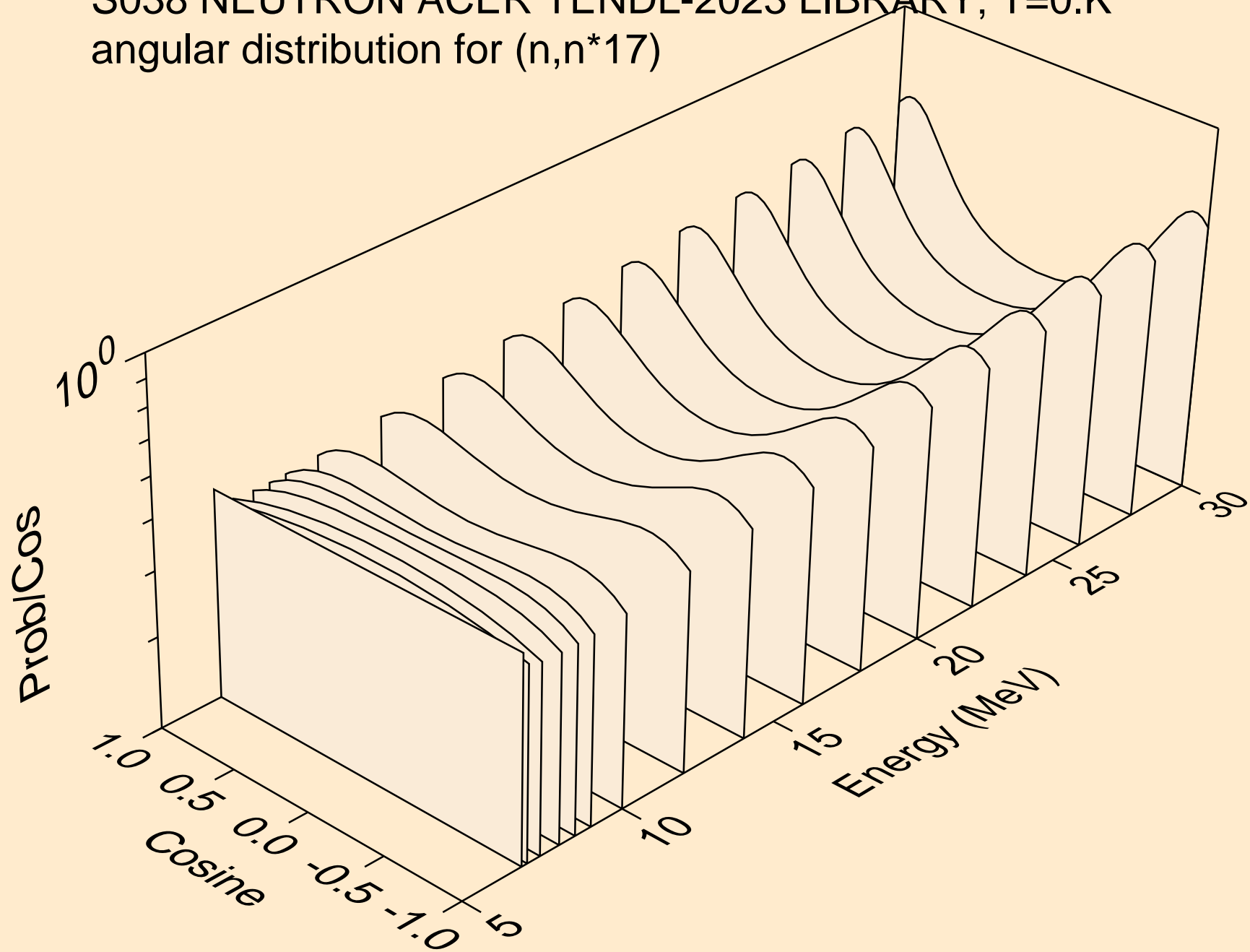
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angular distribution for (n,n\*15)



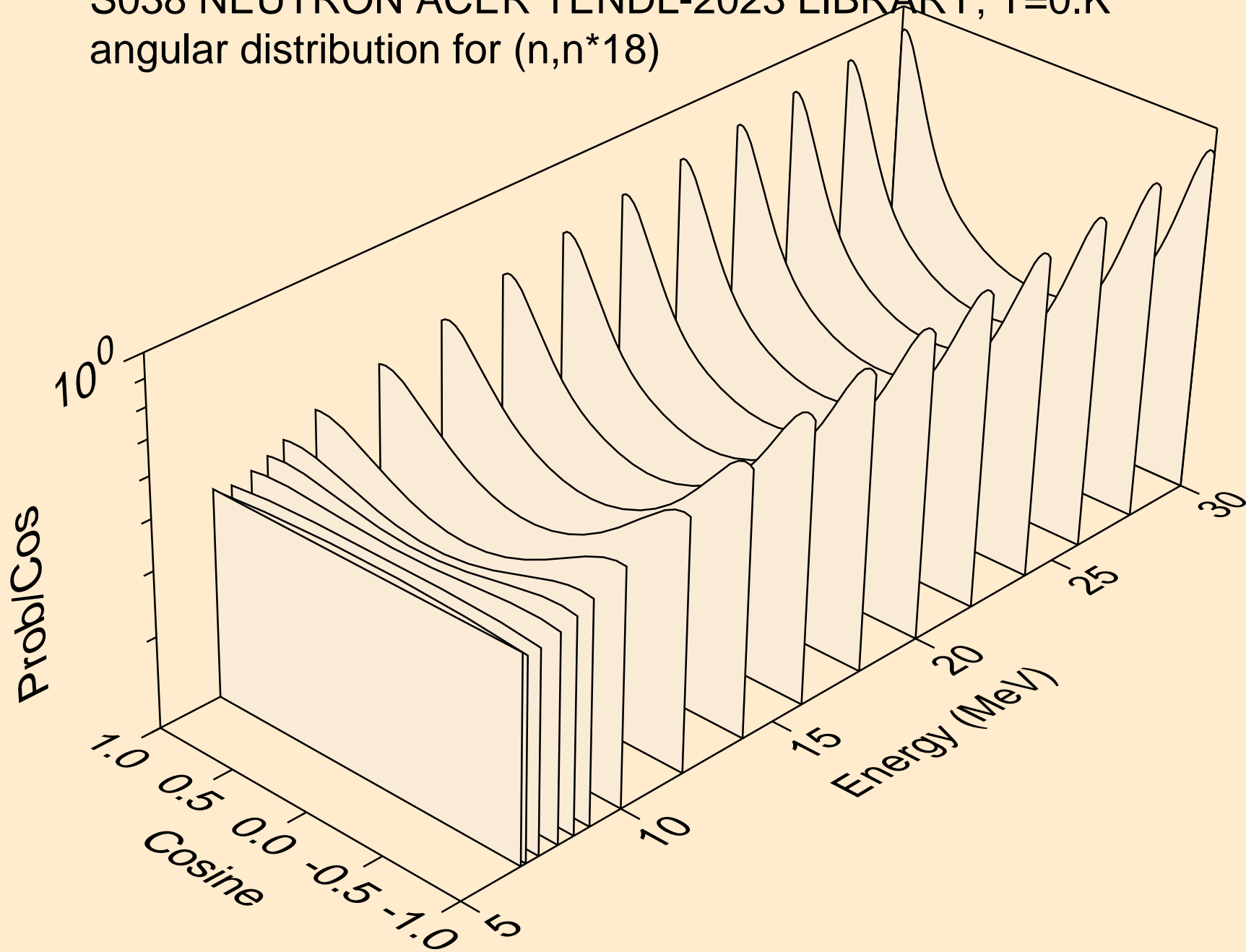
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angular distribution for (n,n\*16)



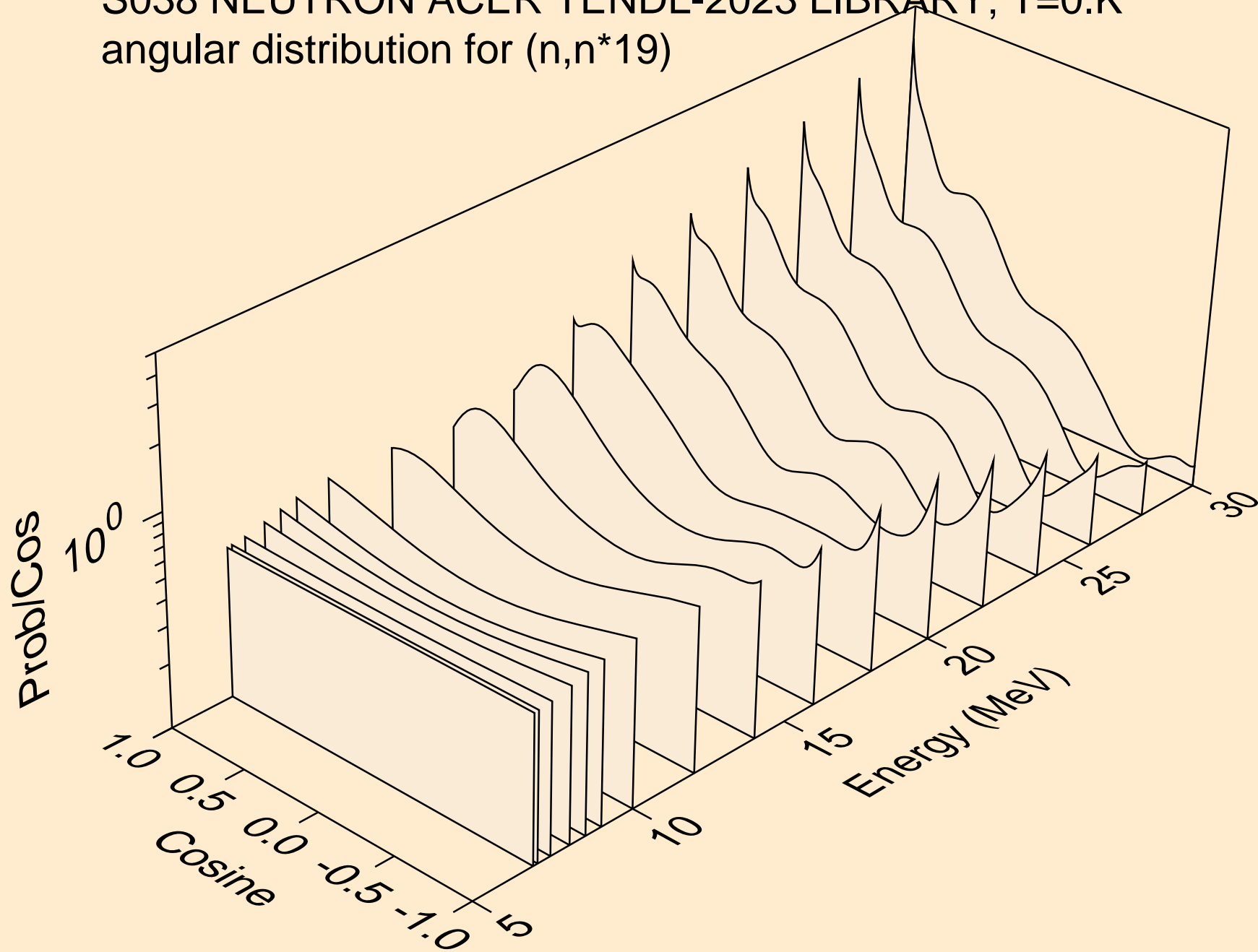
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*17)



S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*18)

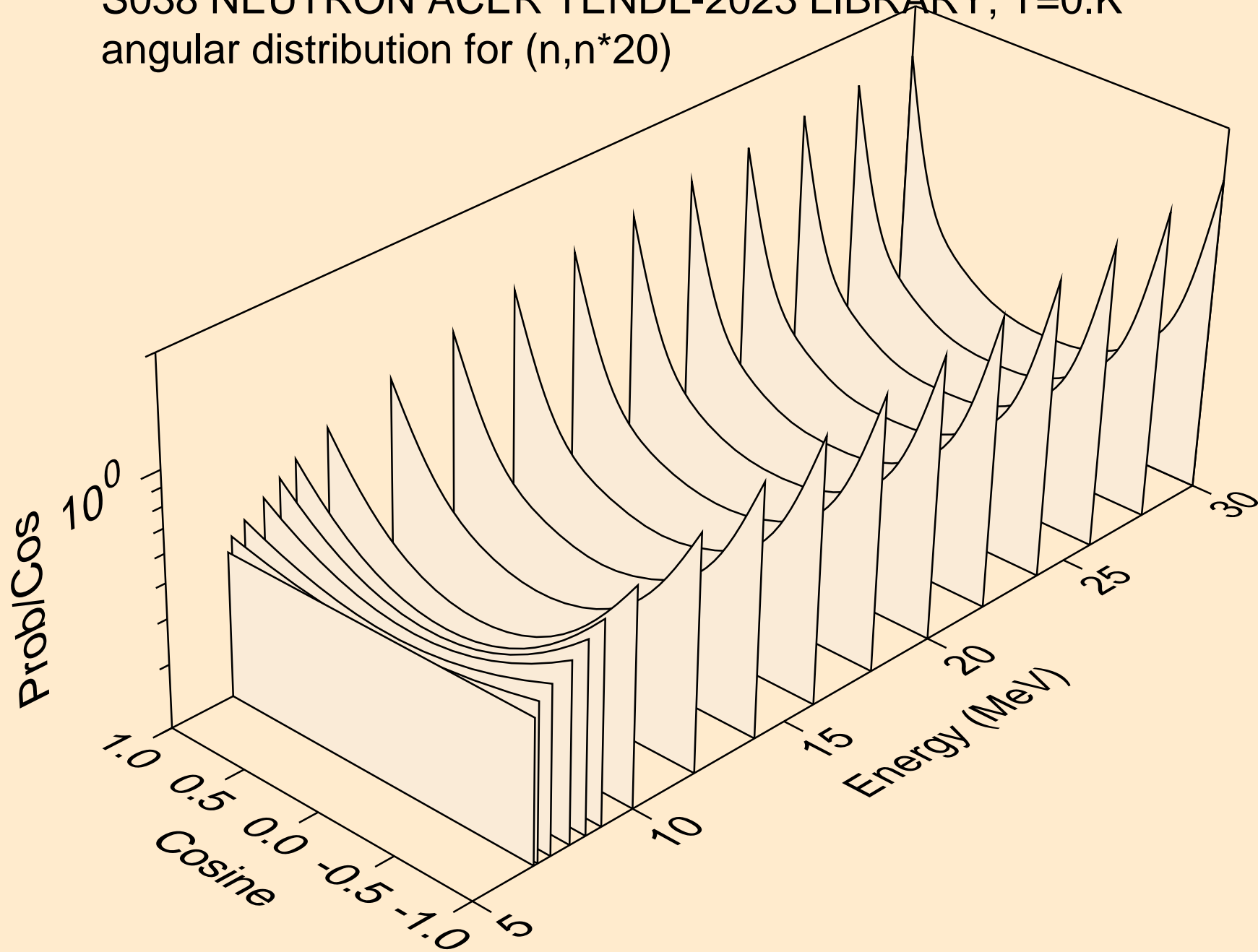


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angular distribution for (n,n\*19)

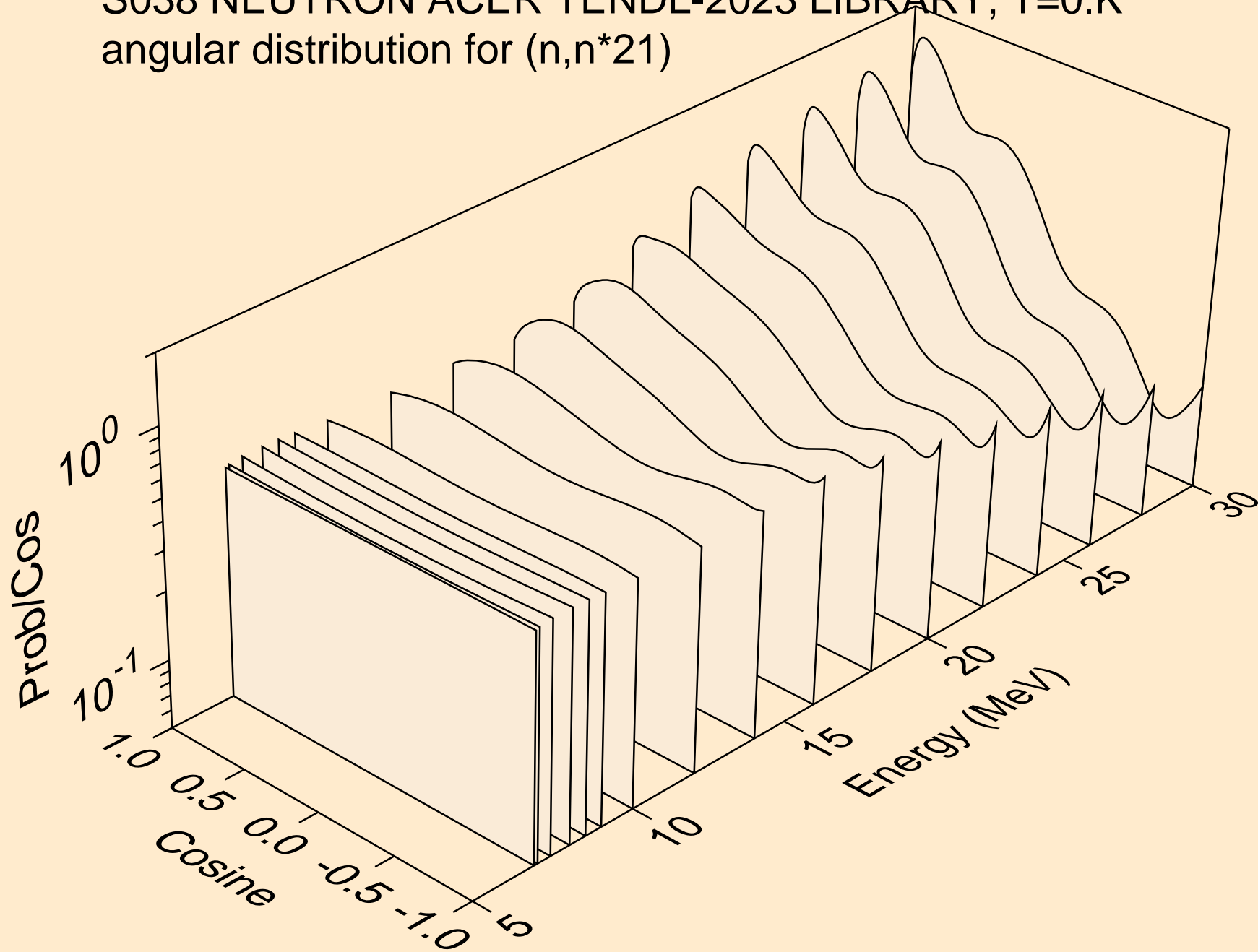




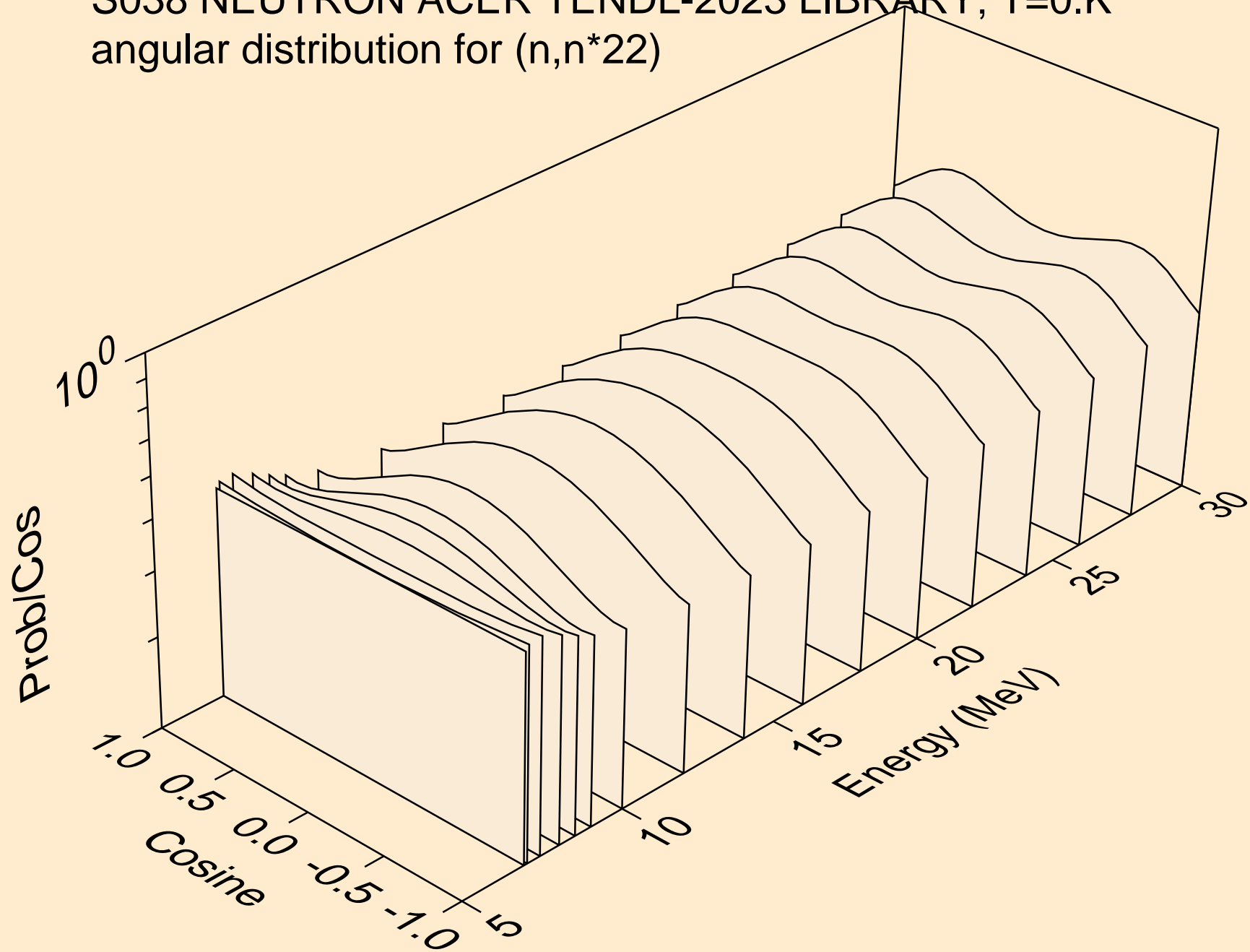
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angular distribution for (n,n\*20)



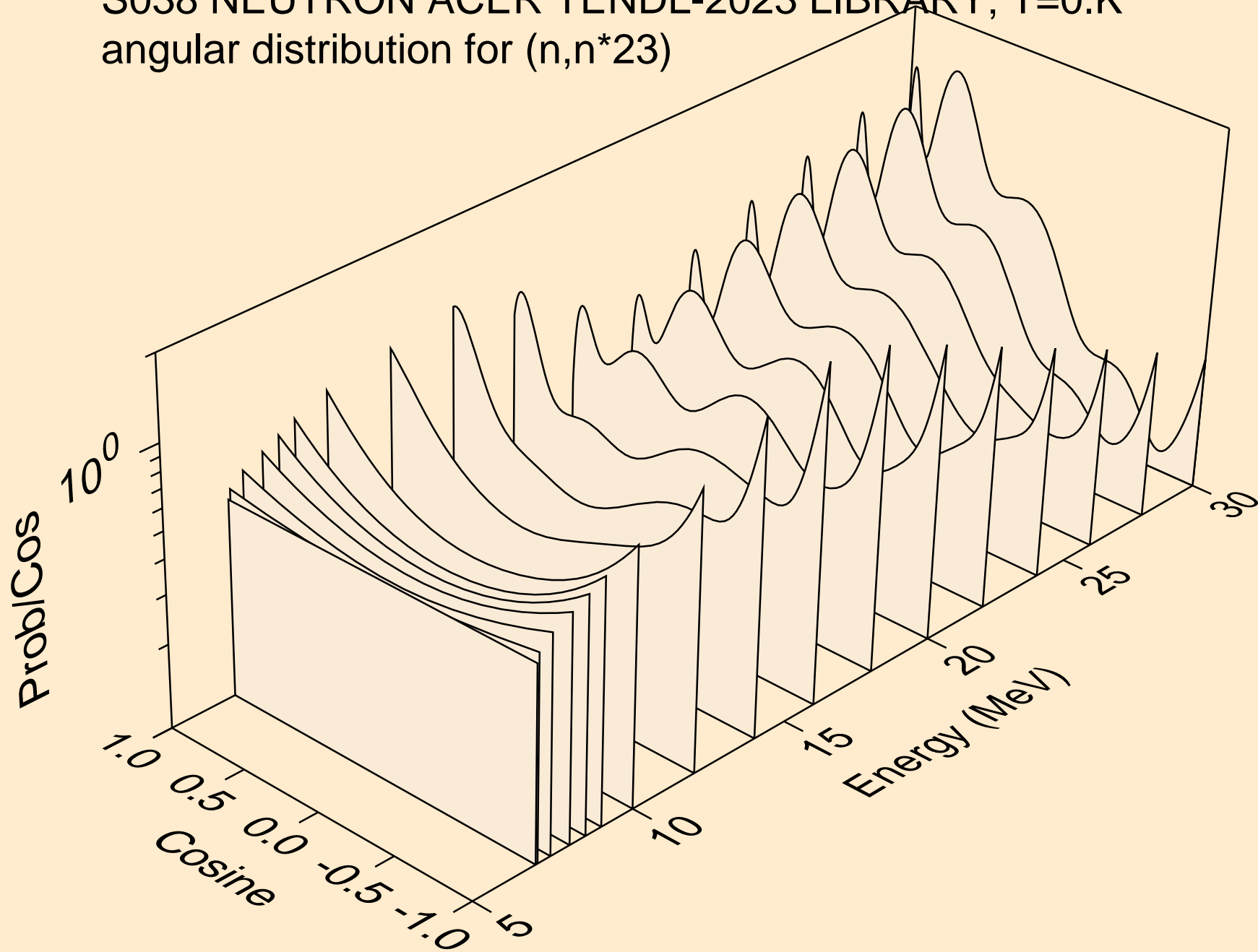
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angular distribution for (n,n\*21)



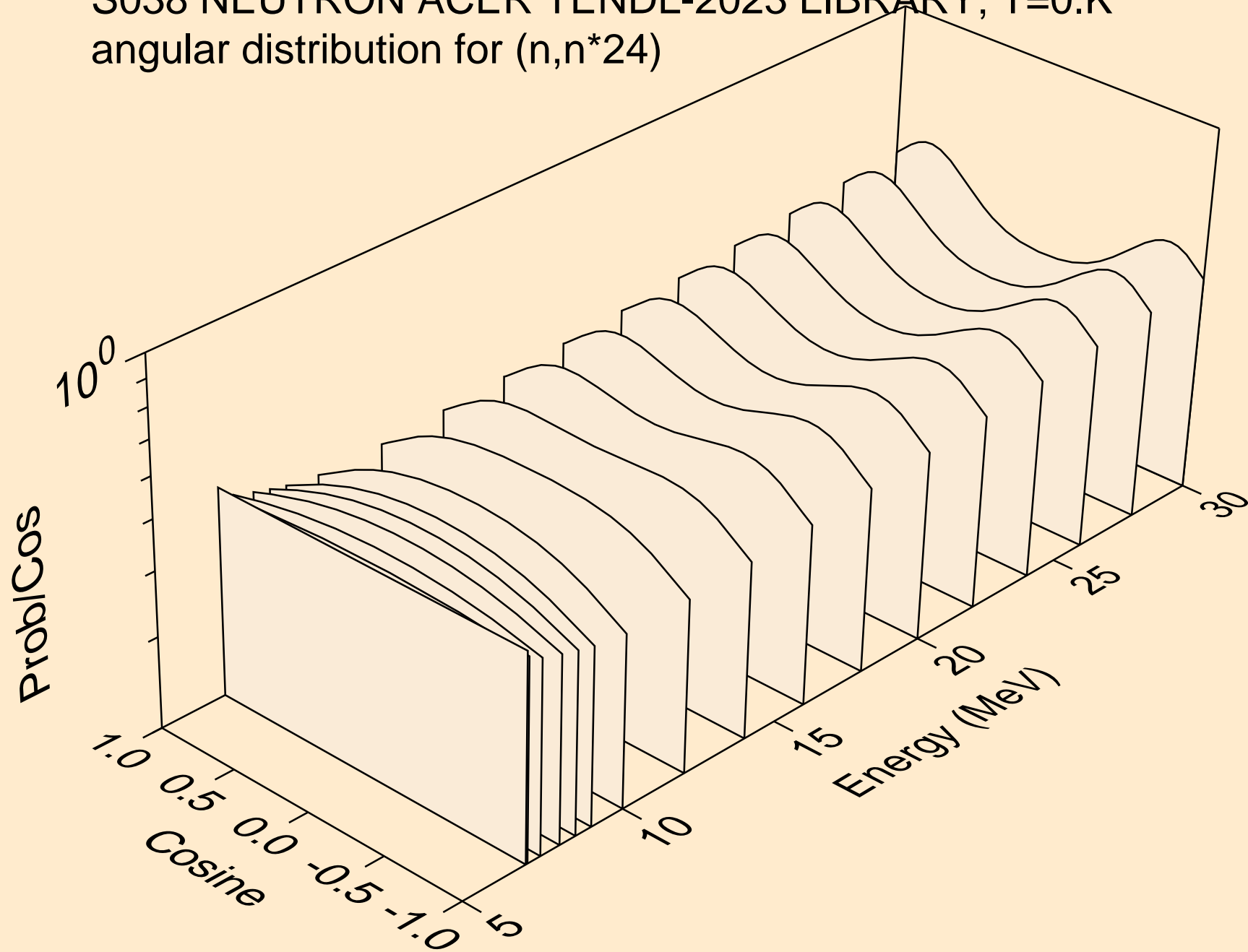
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angular distribution for (n,n\*22)



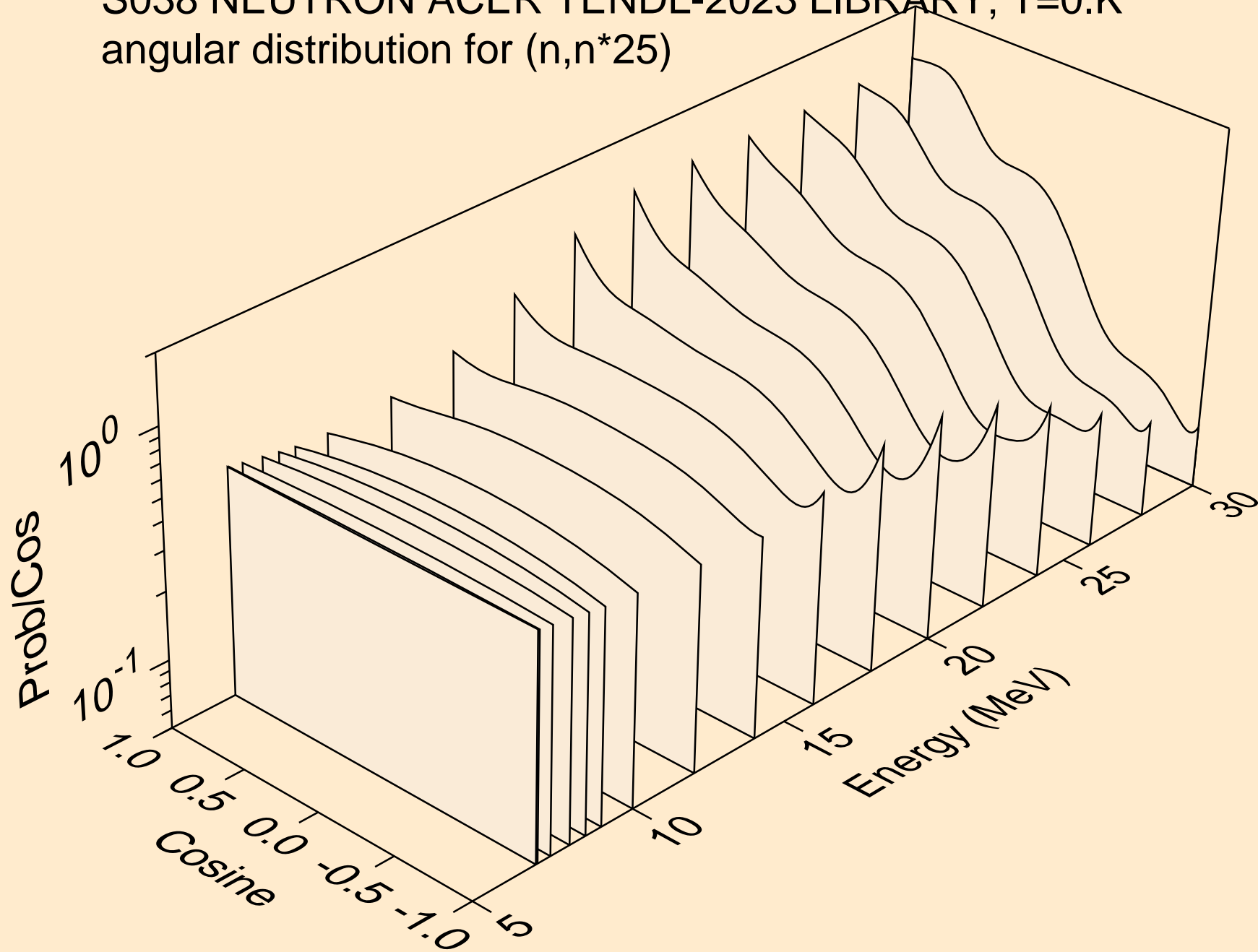
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angular distribution for (n,n\*23)



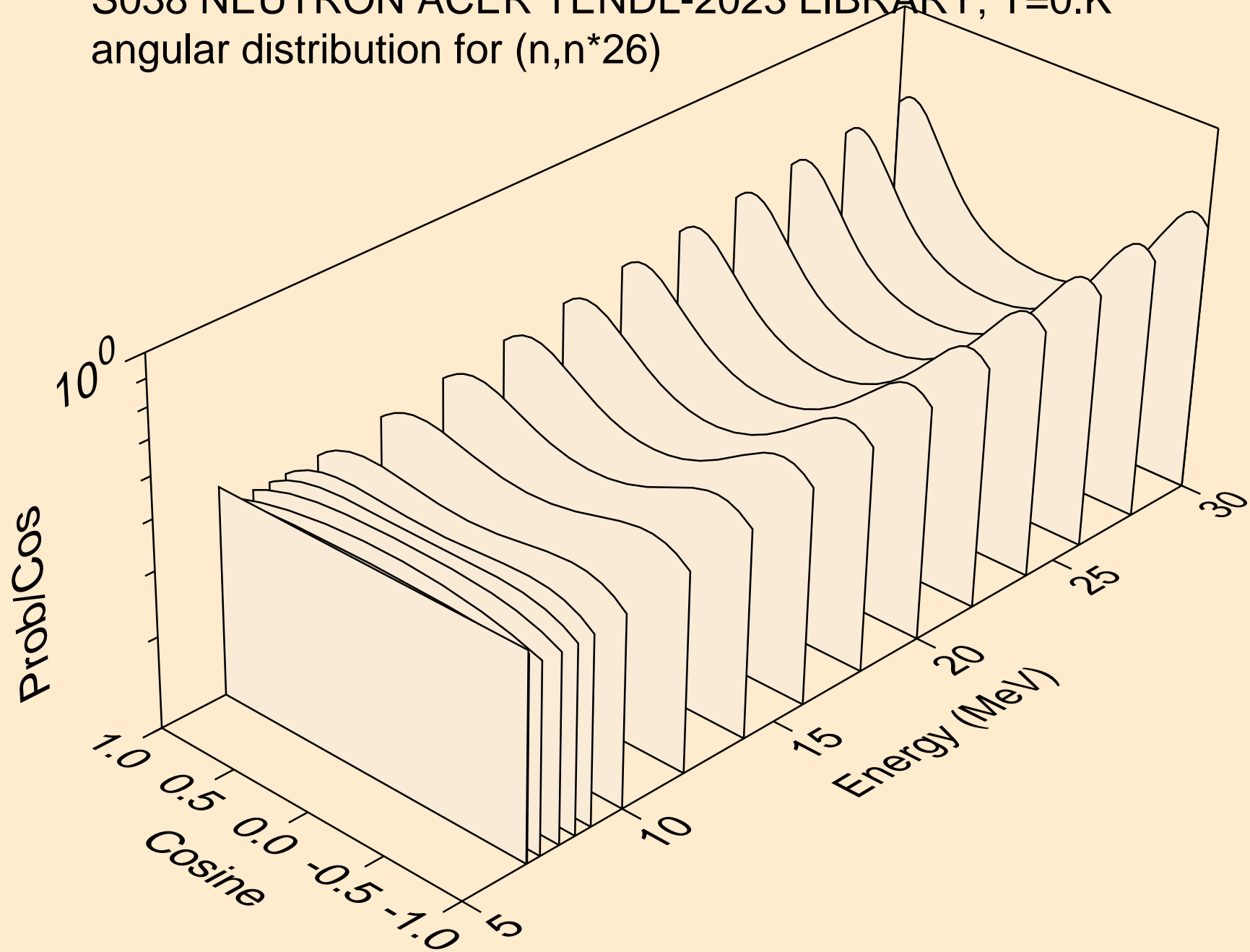
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angular distribution for (n,n\*24)



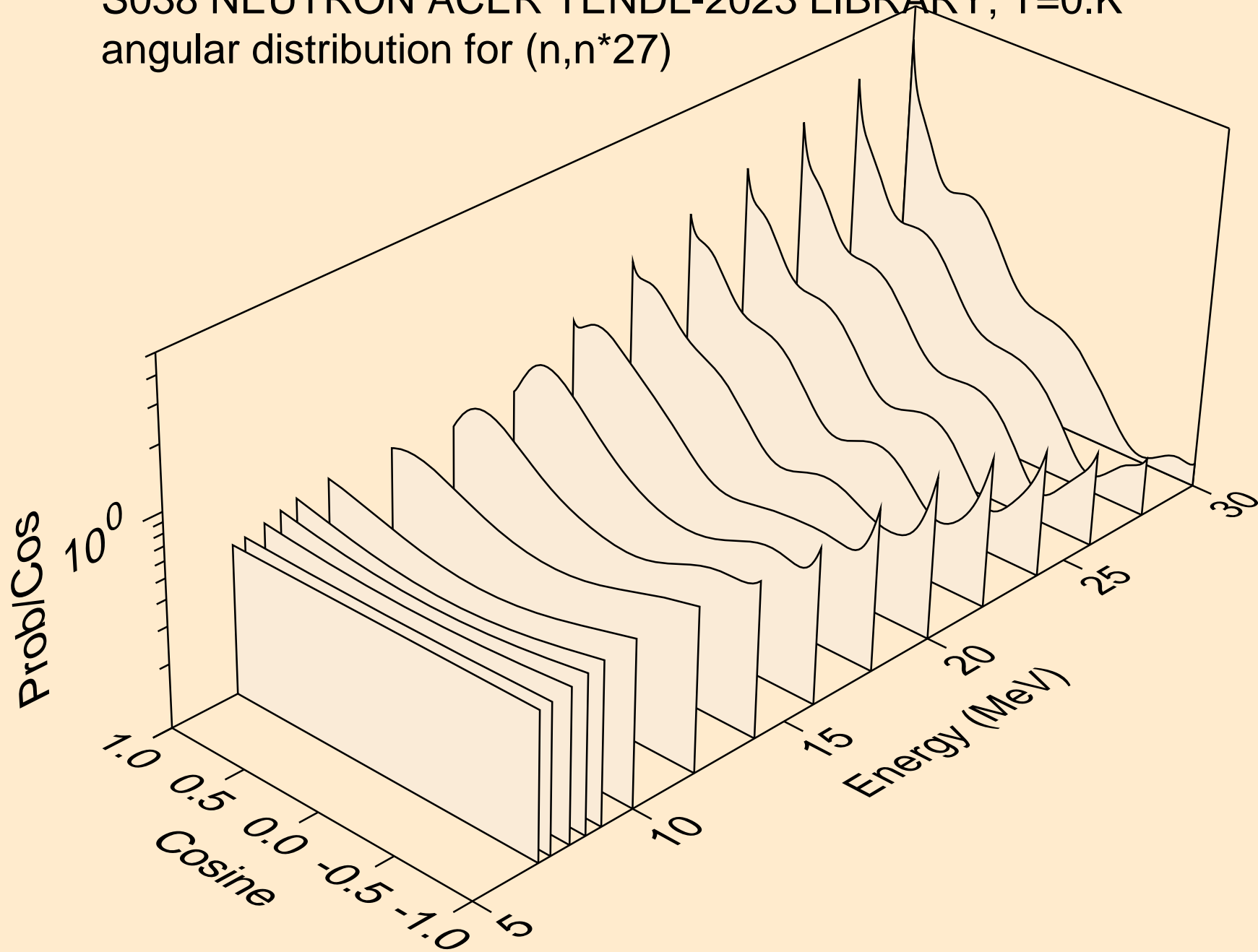
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*25)



S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*26)

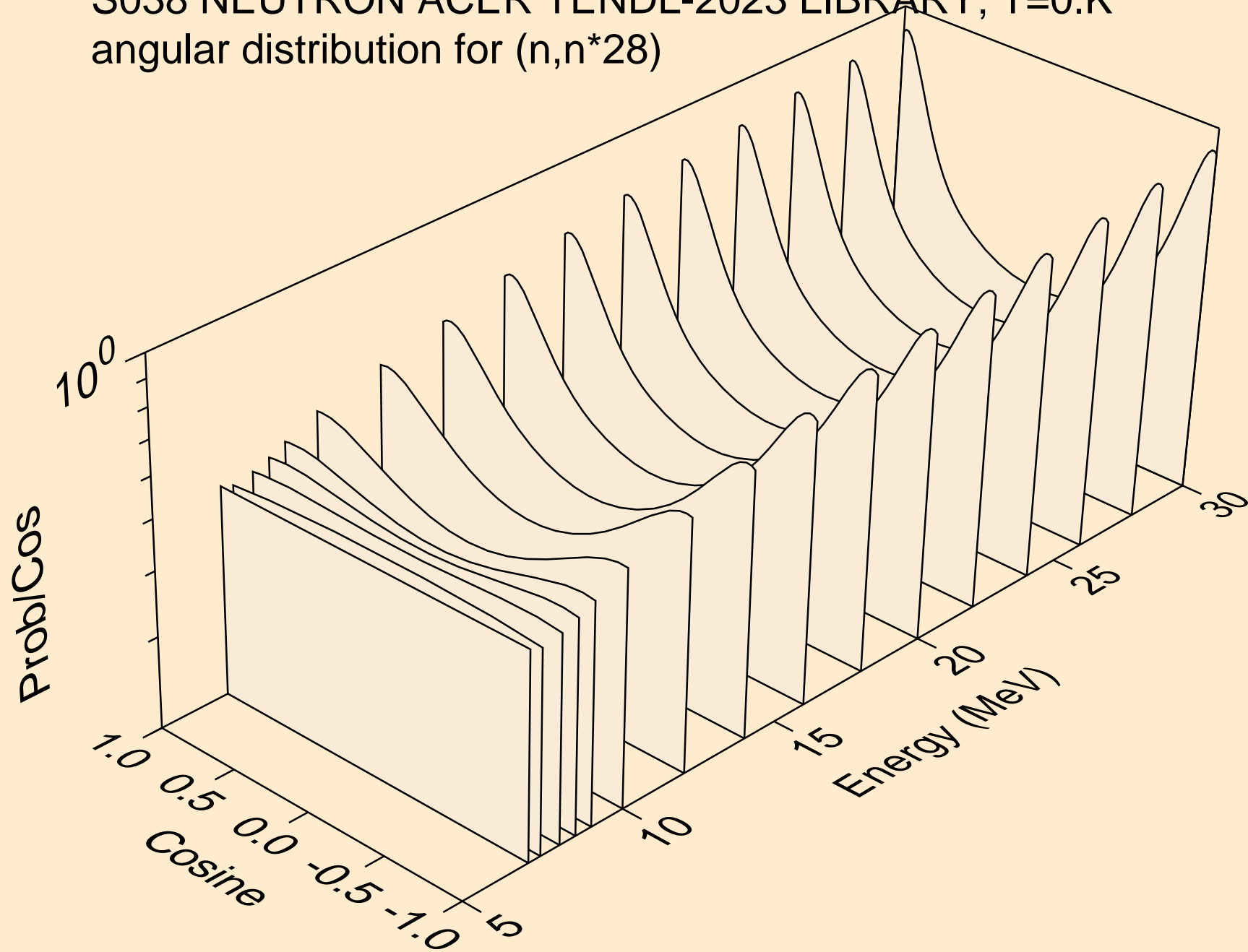


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angular distribution for (n,n\*27)

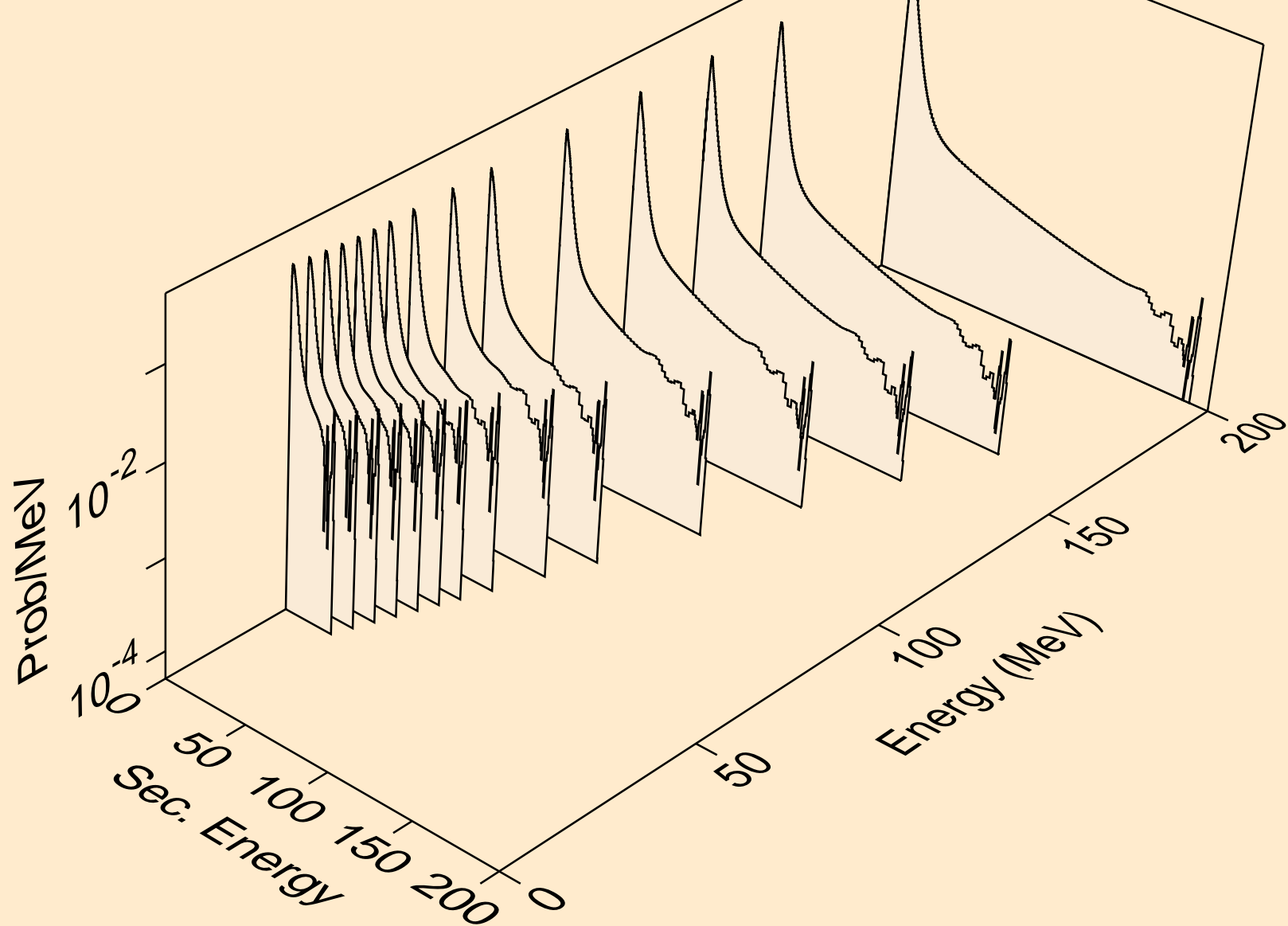




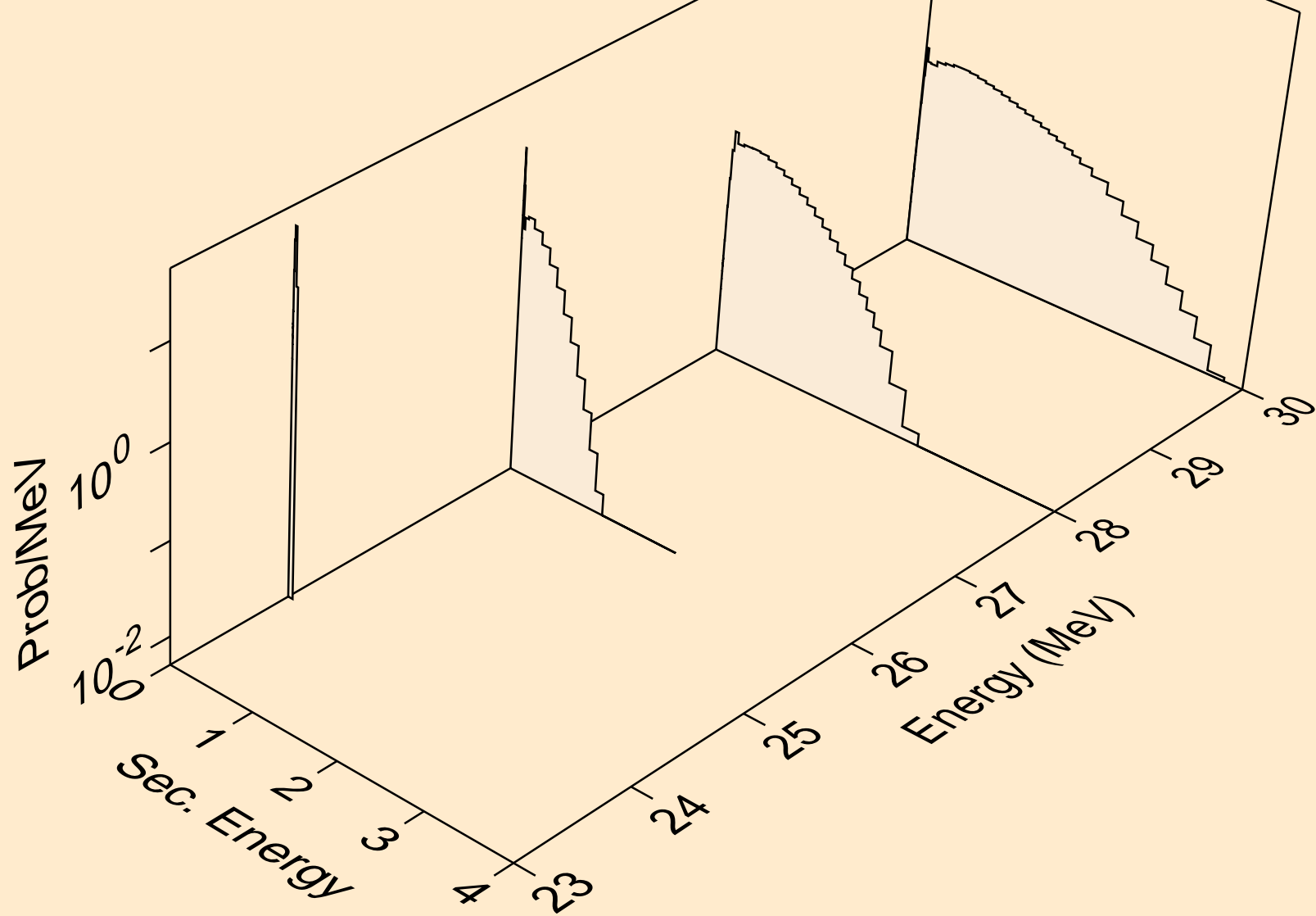
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angular distribution for (n,n\*28)



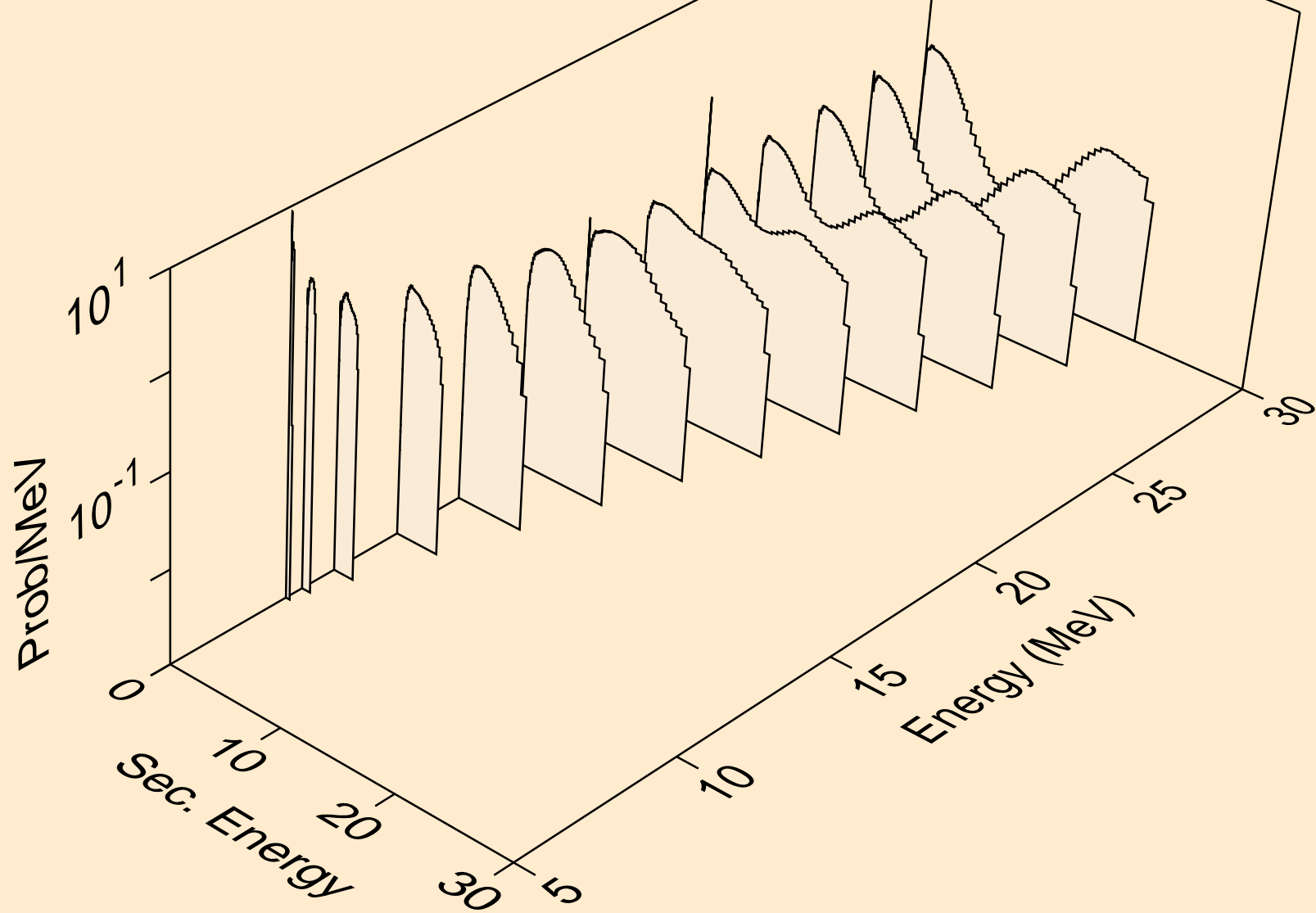
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Neutron emission for (n,x)



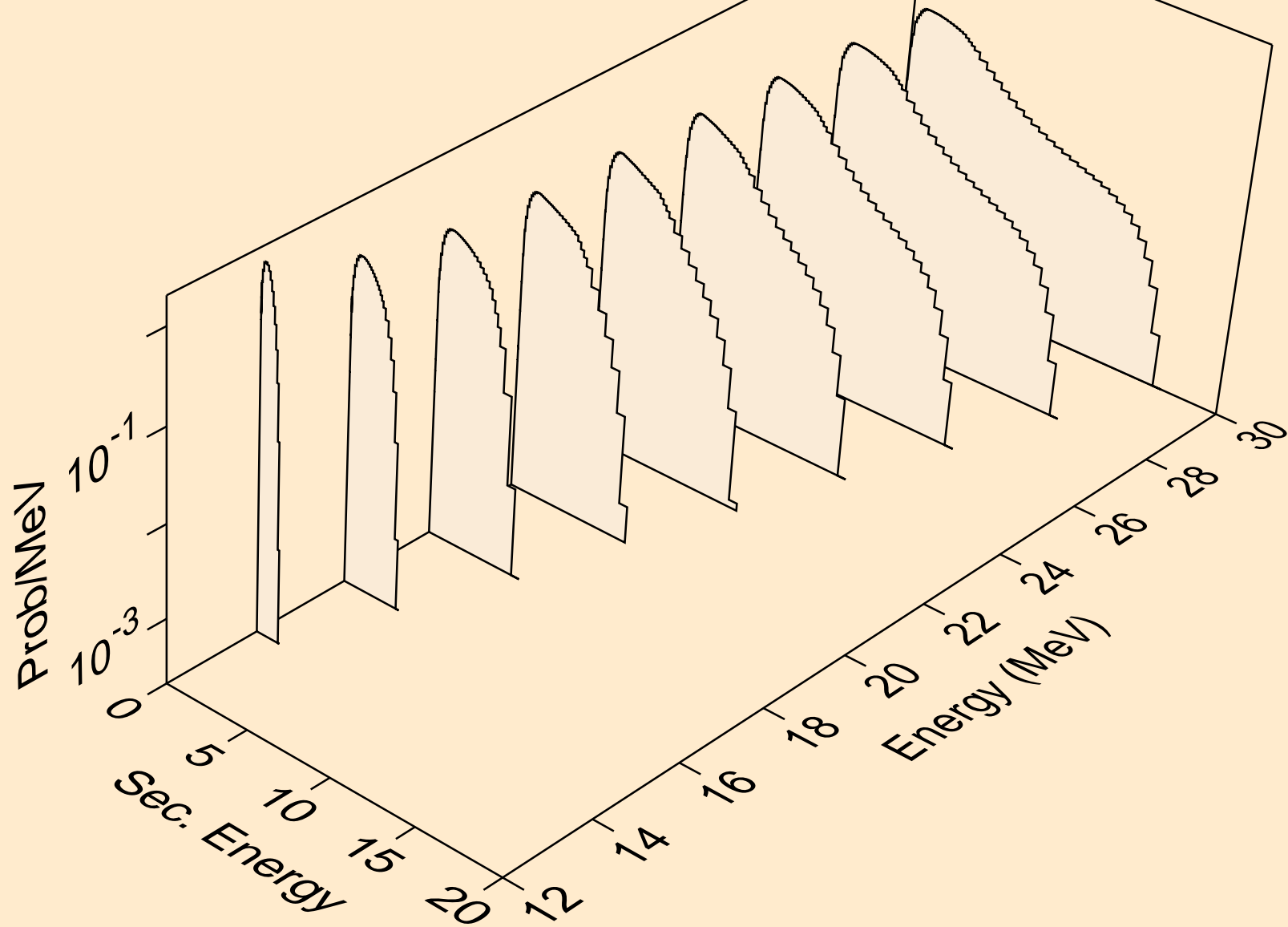
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



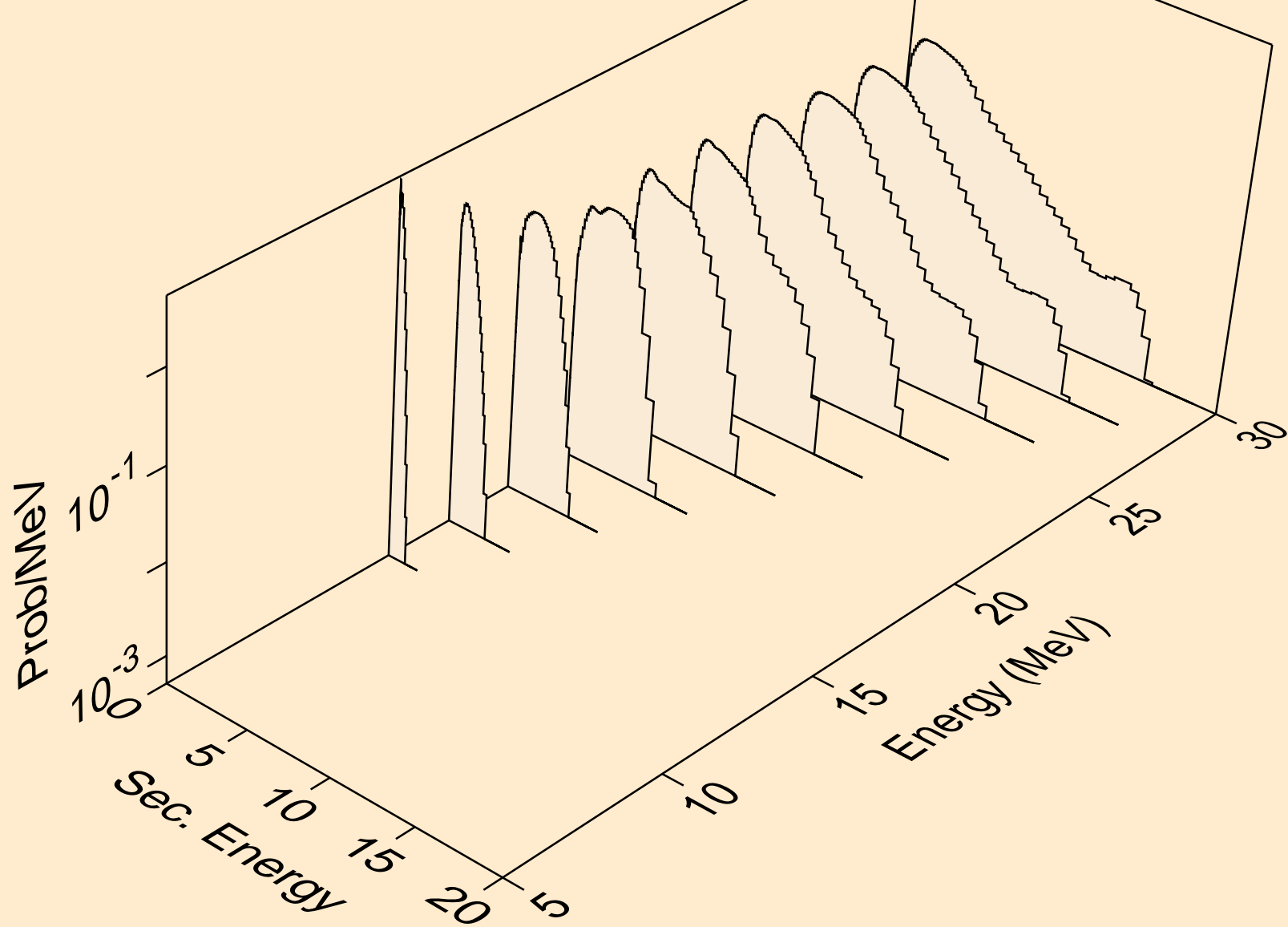
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



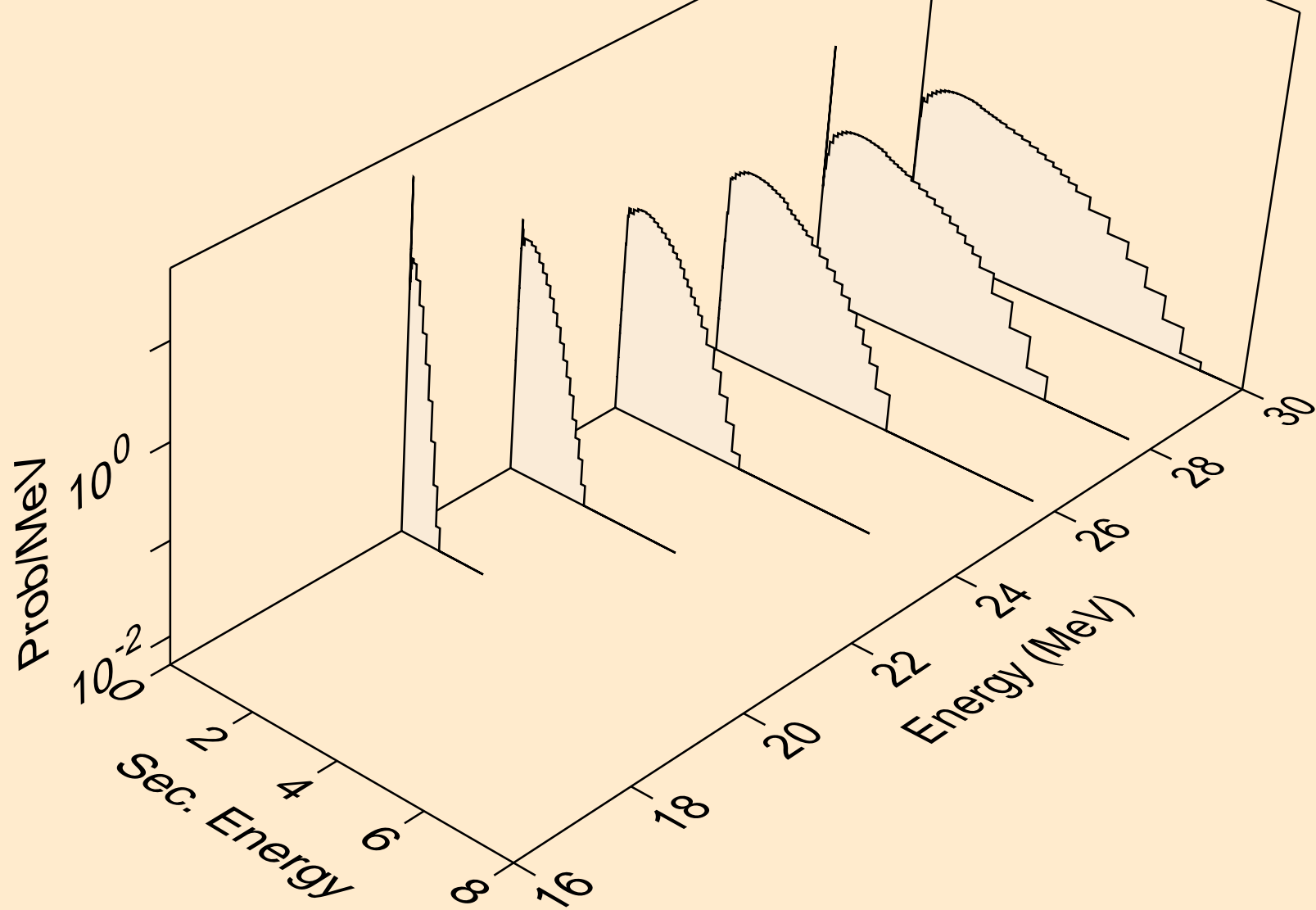
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



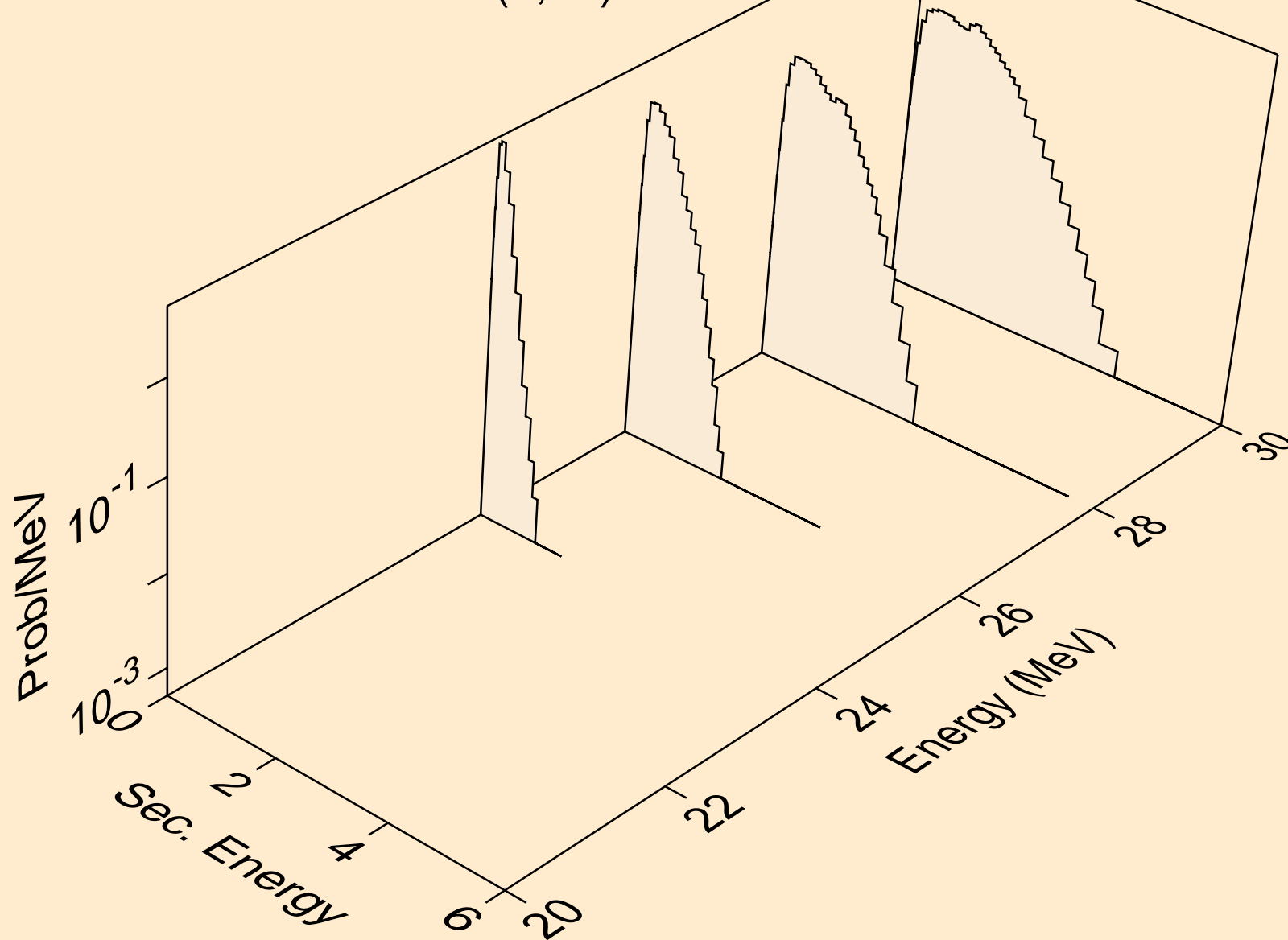
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a

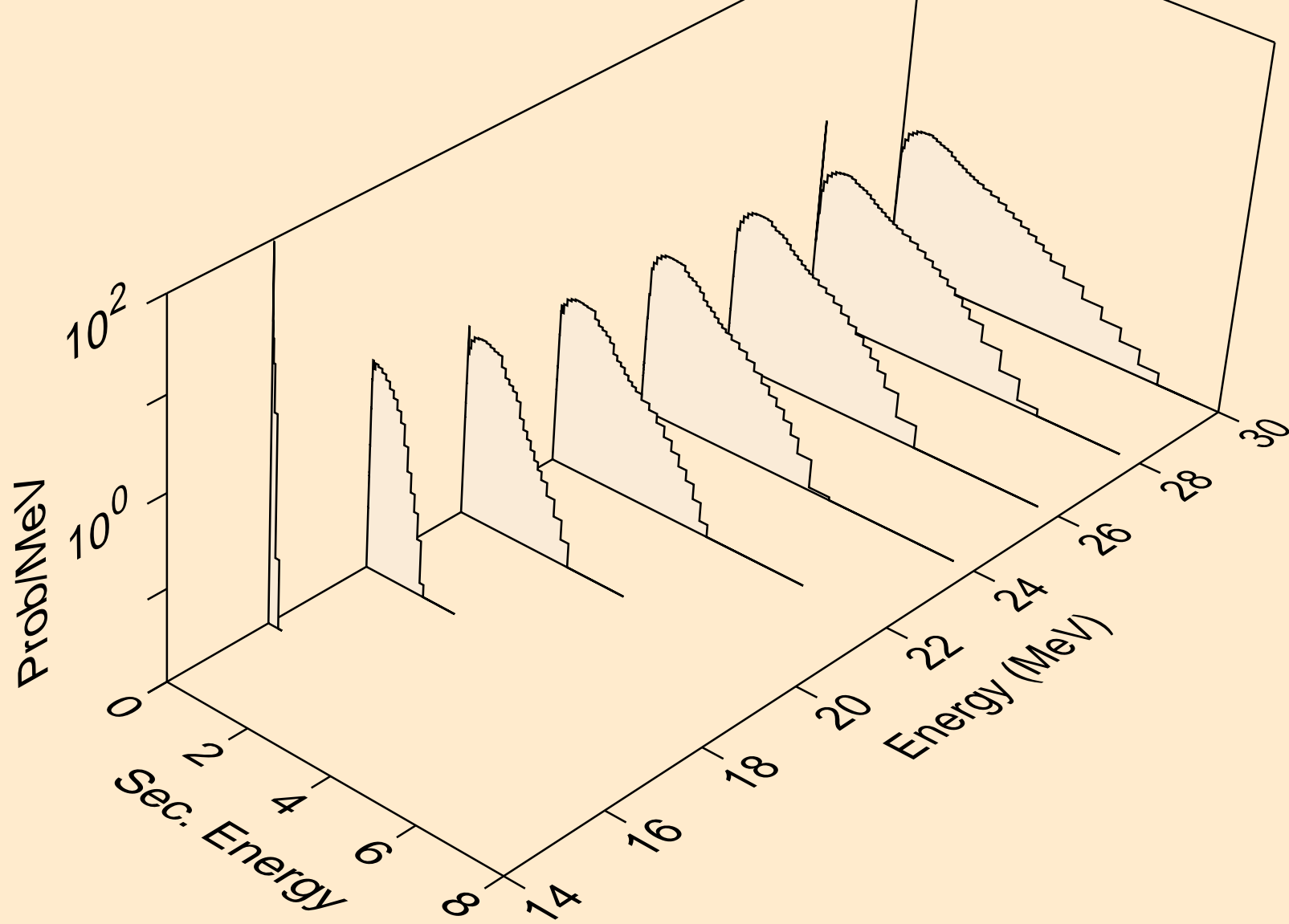


S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a

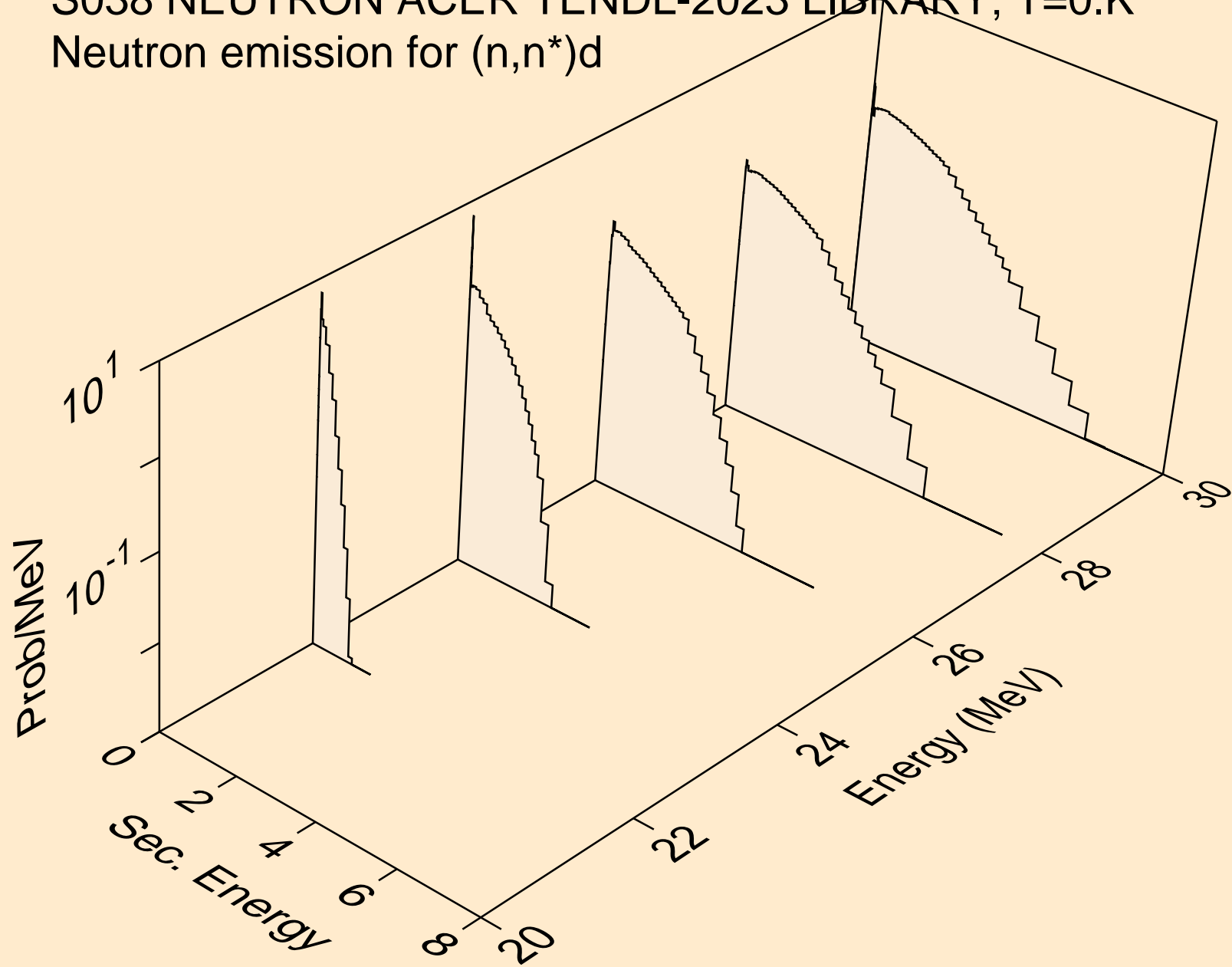




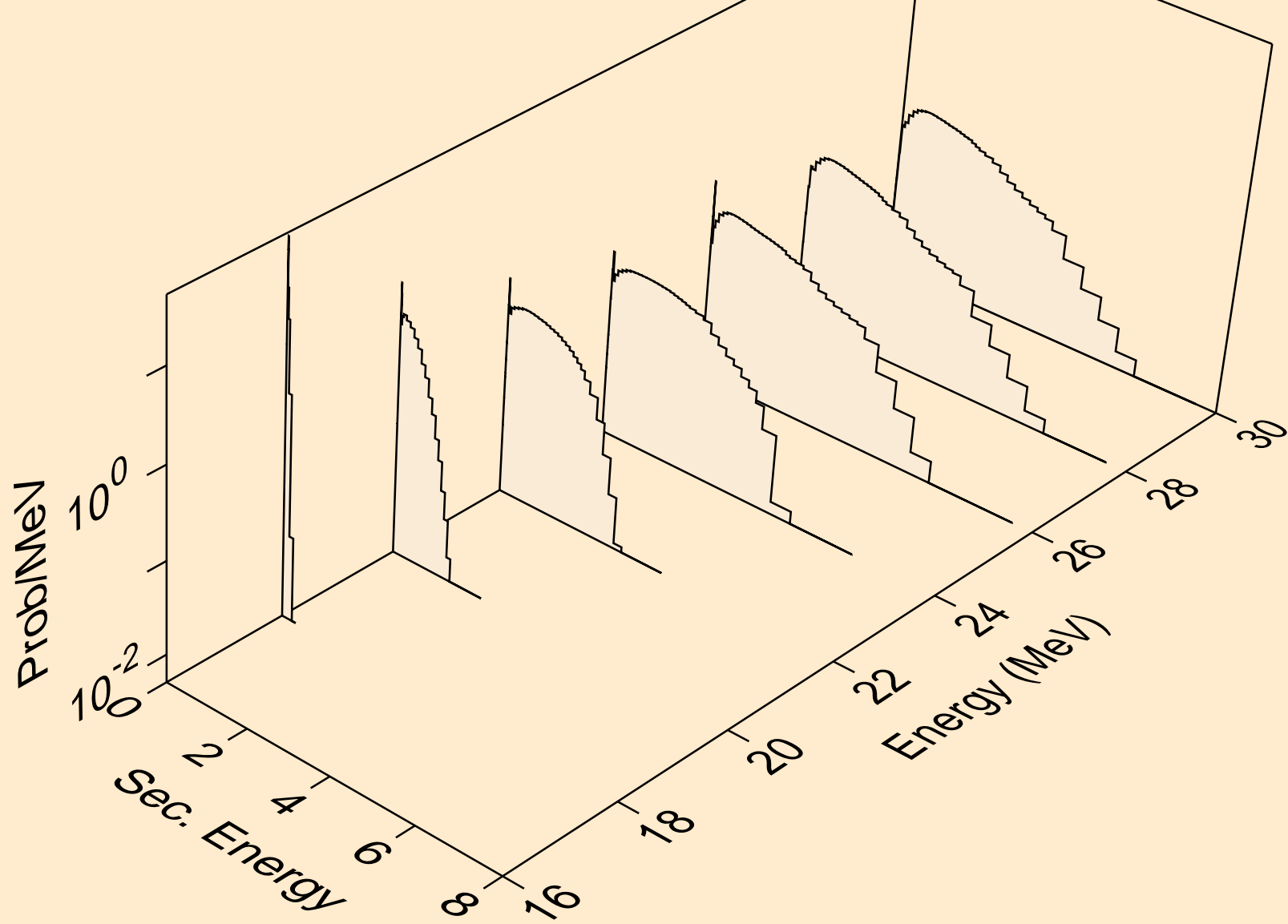
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



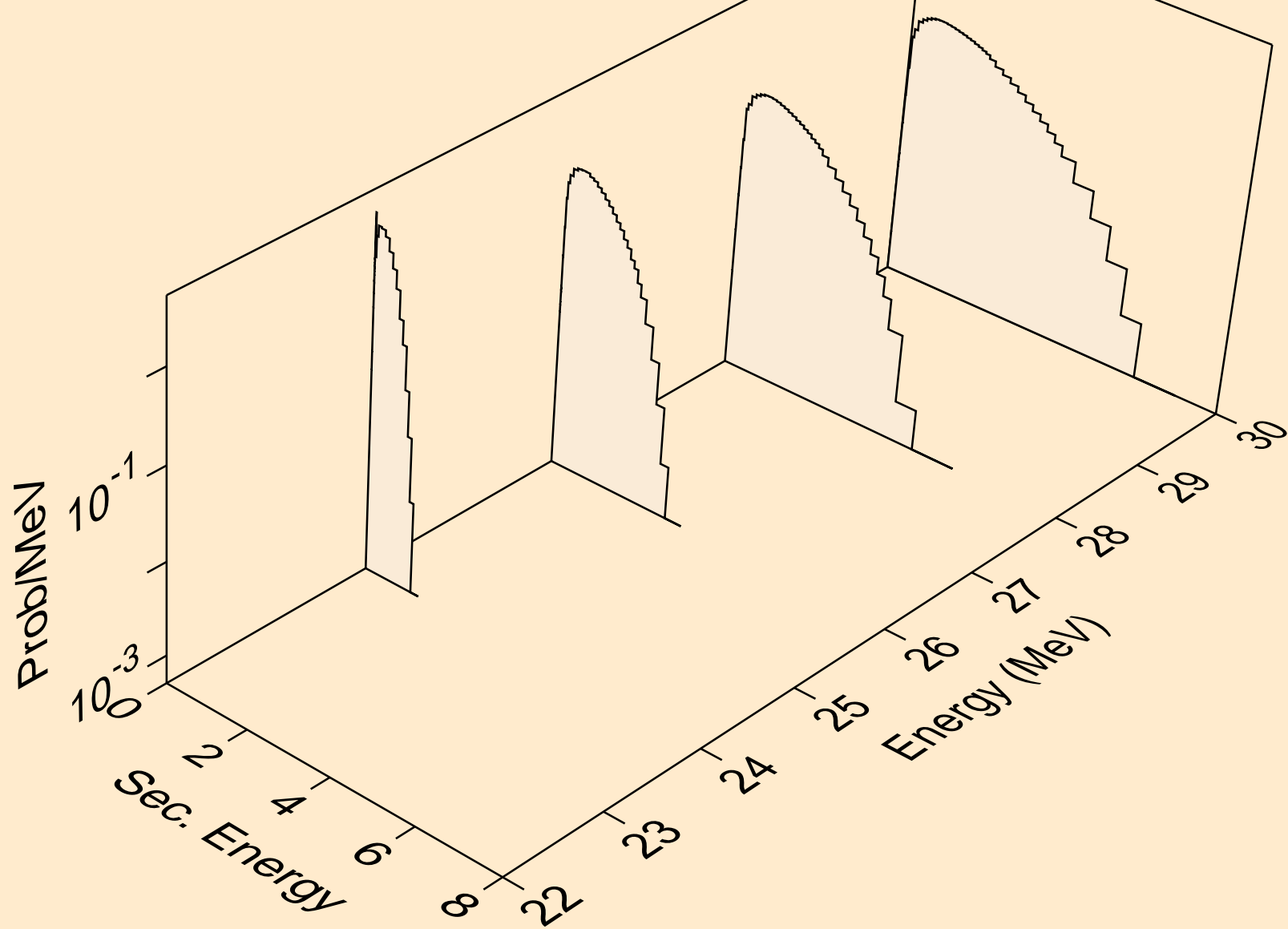
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Neutron emission for (n,n\*)d



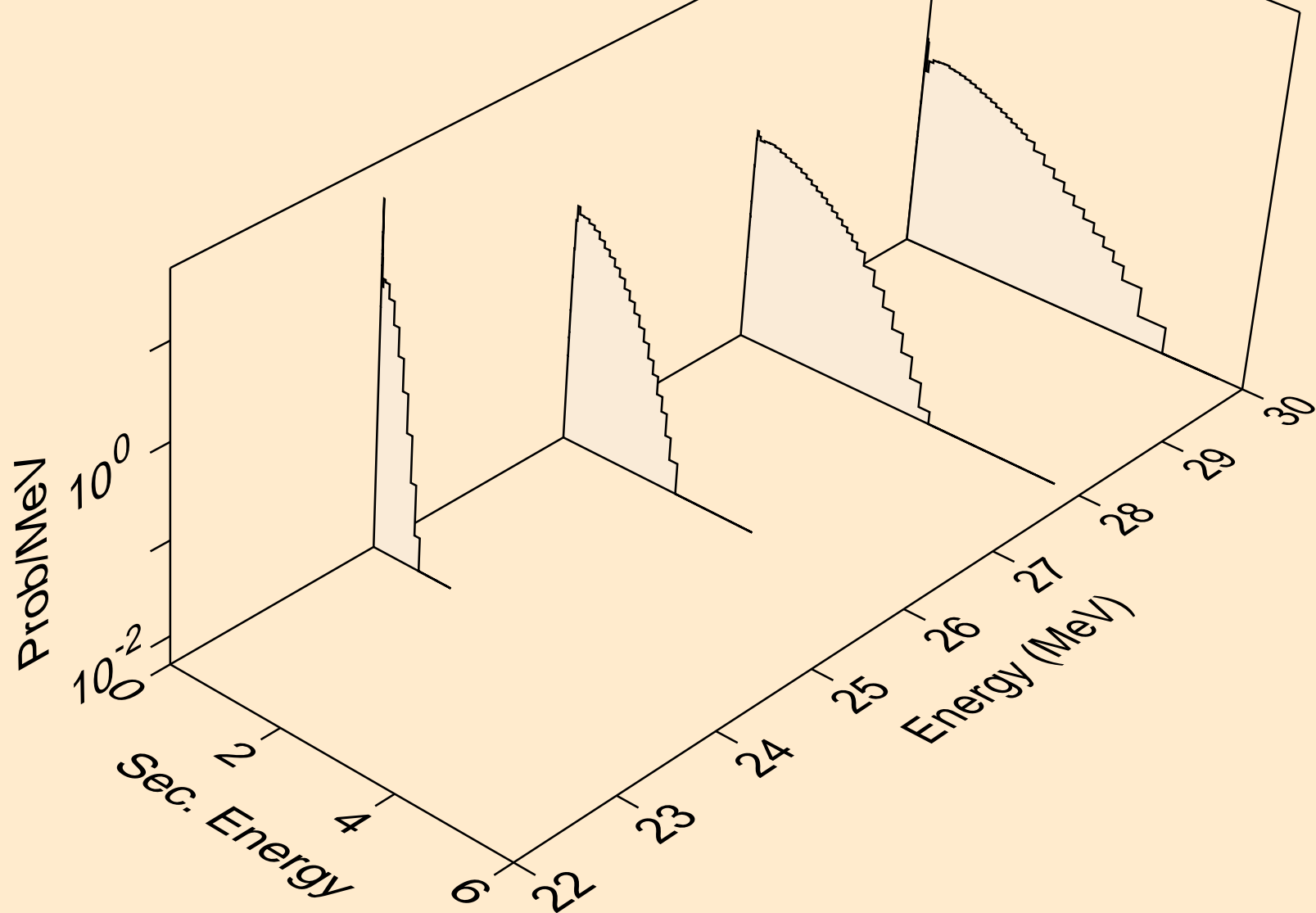
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



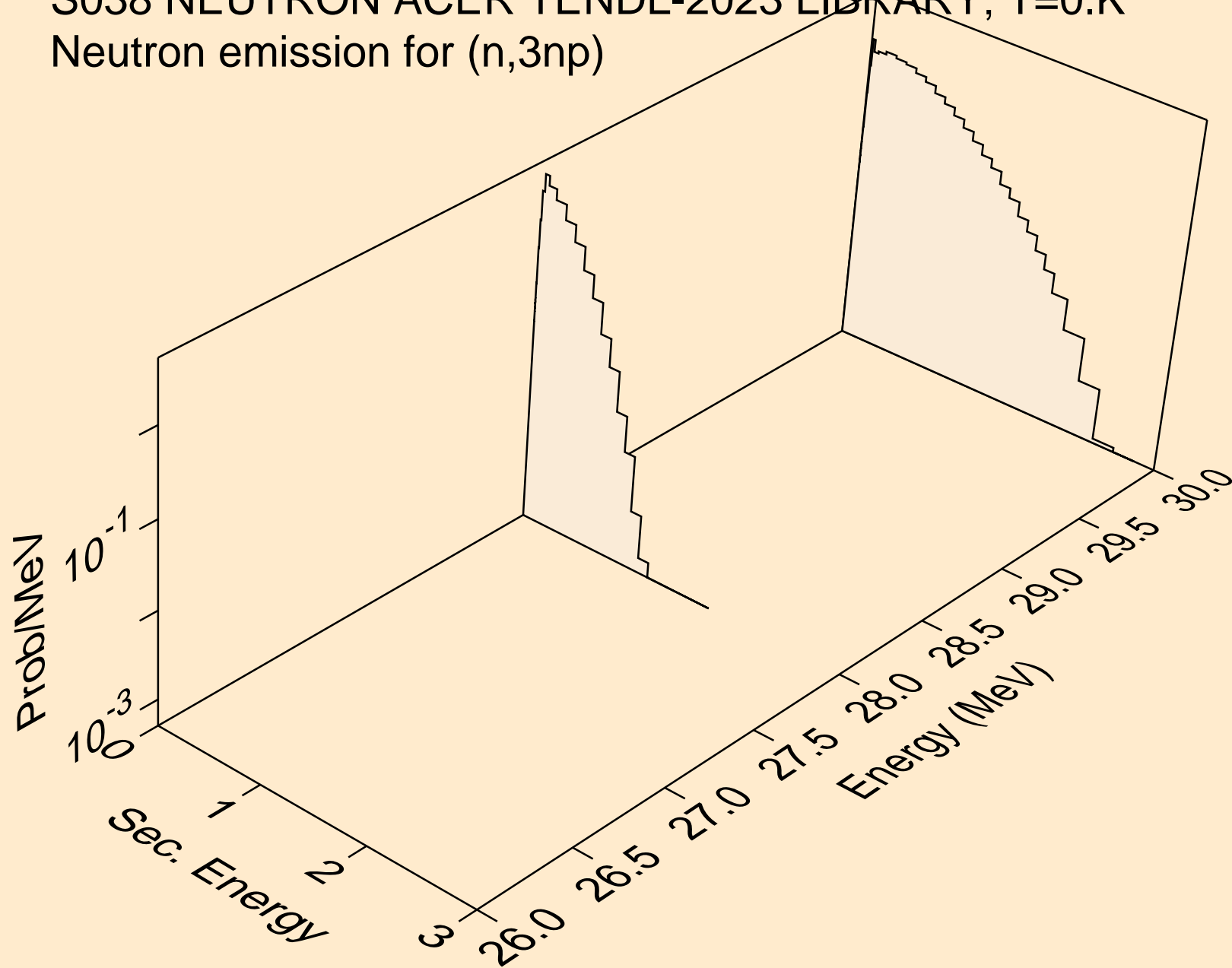
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



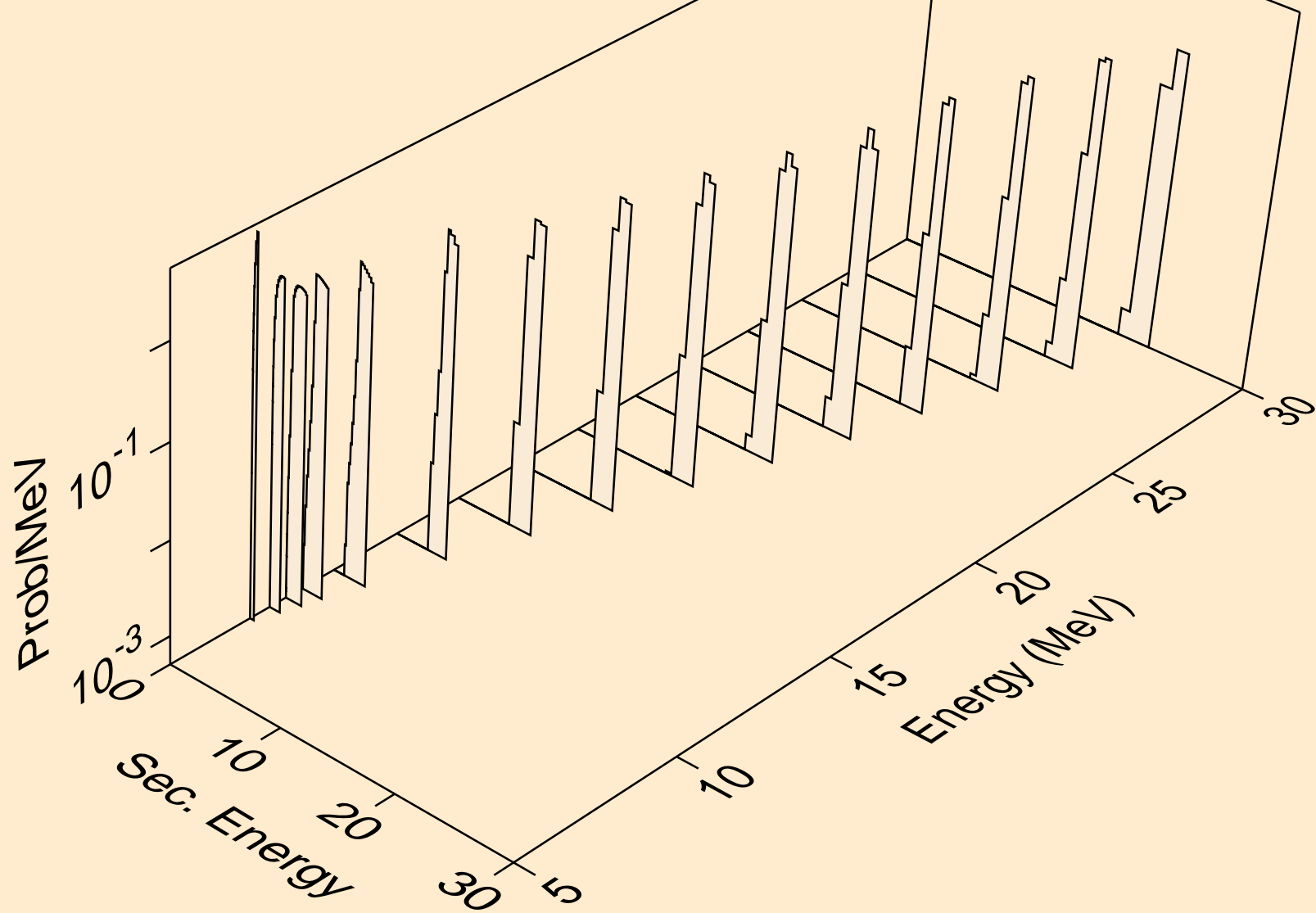
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



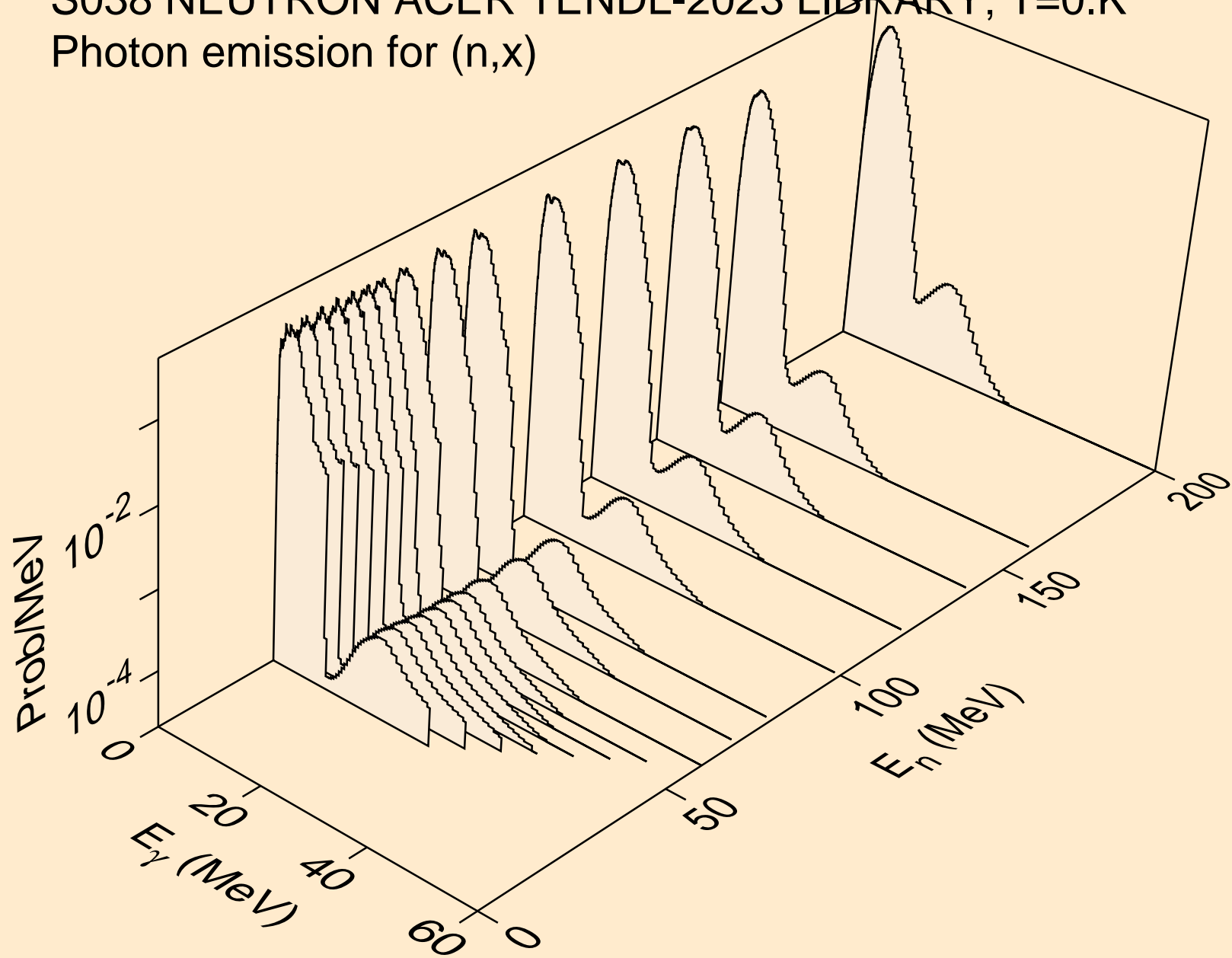
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)

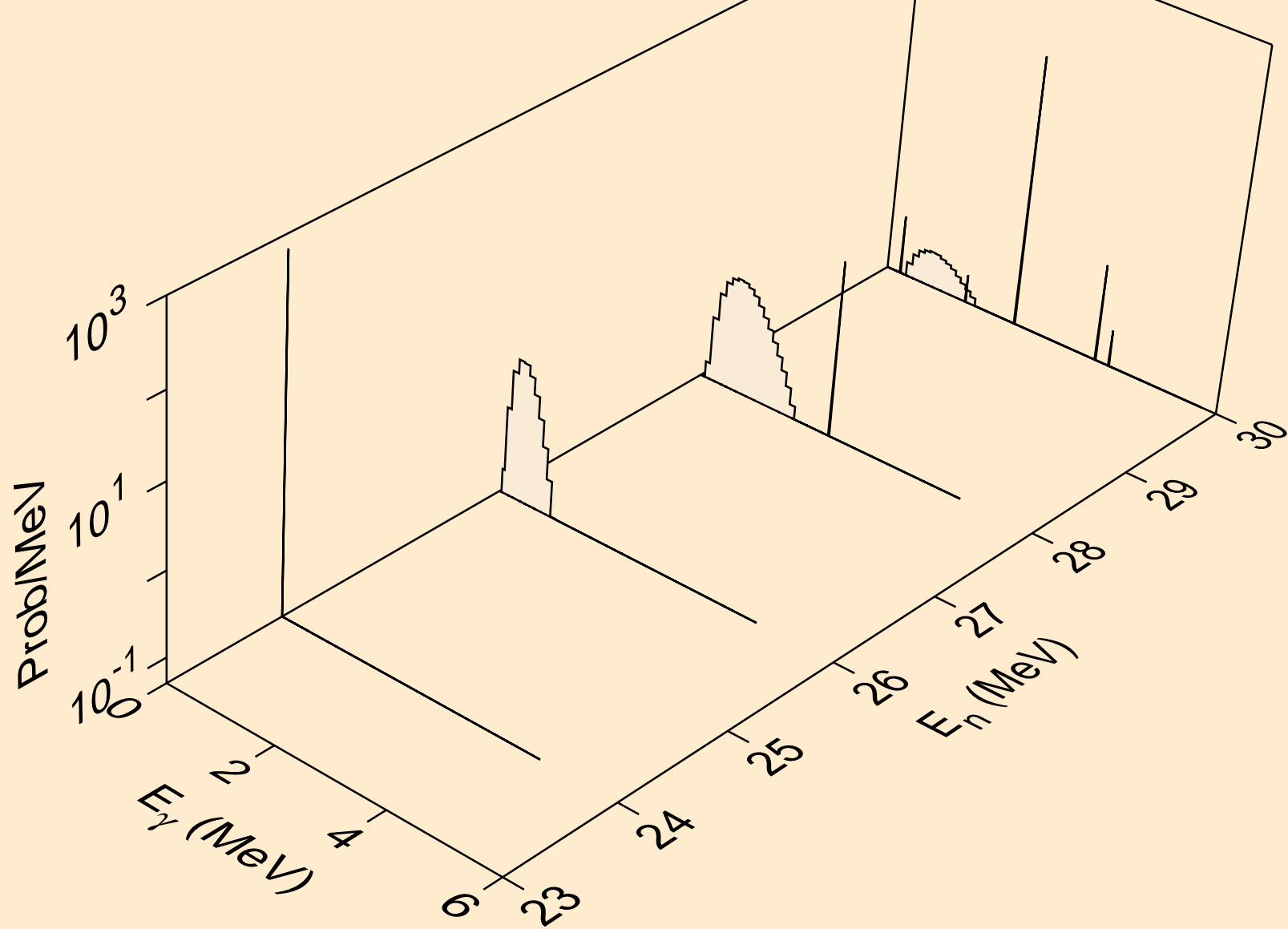


S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)

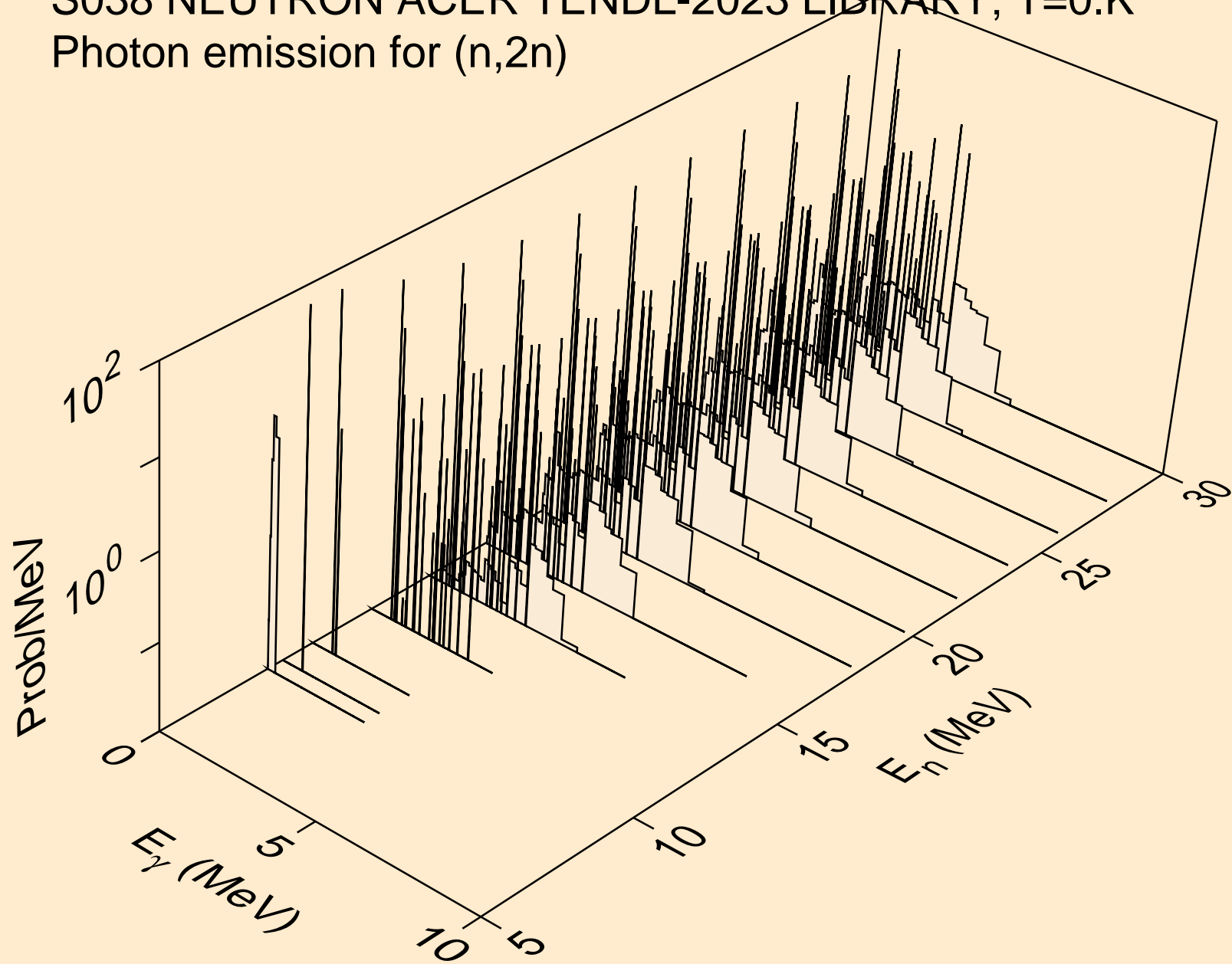




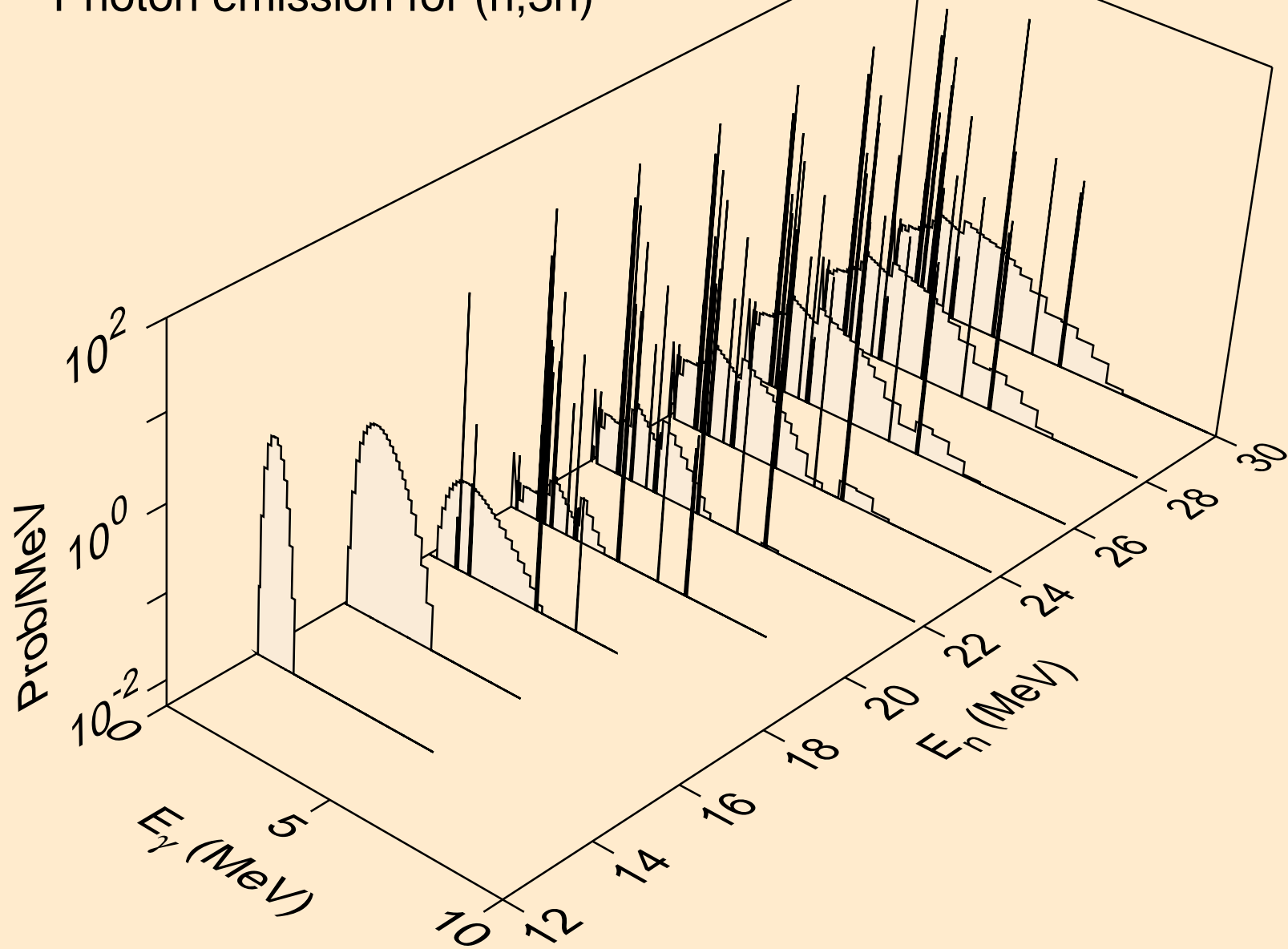
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



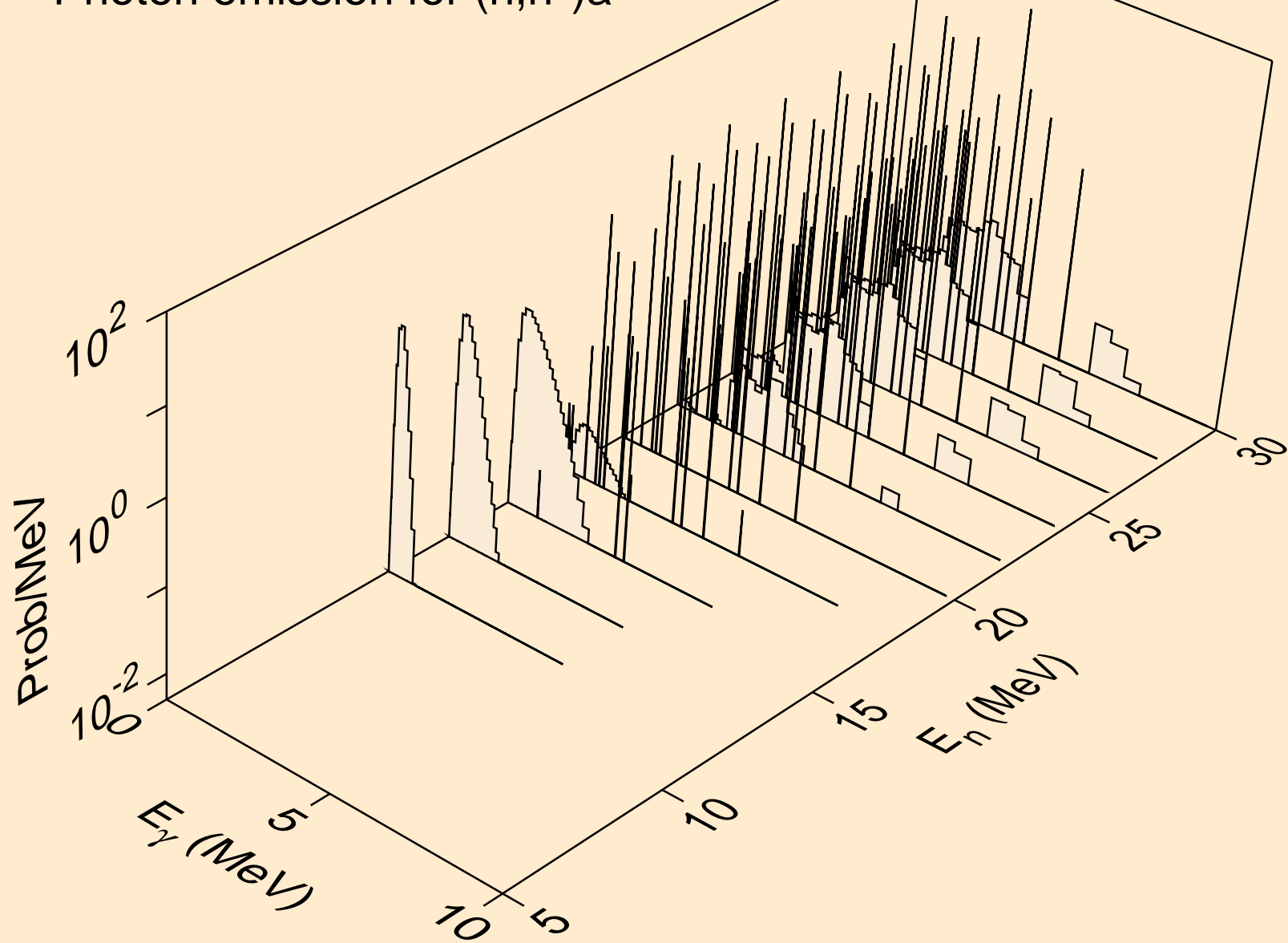
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



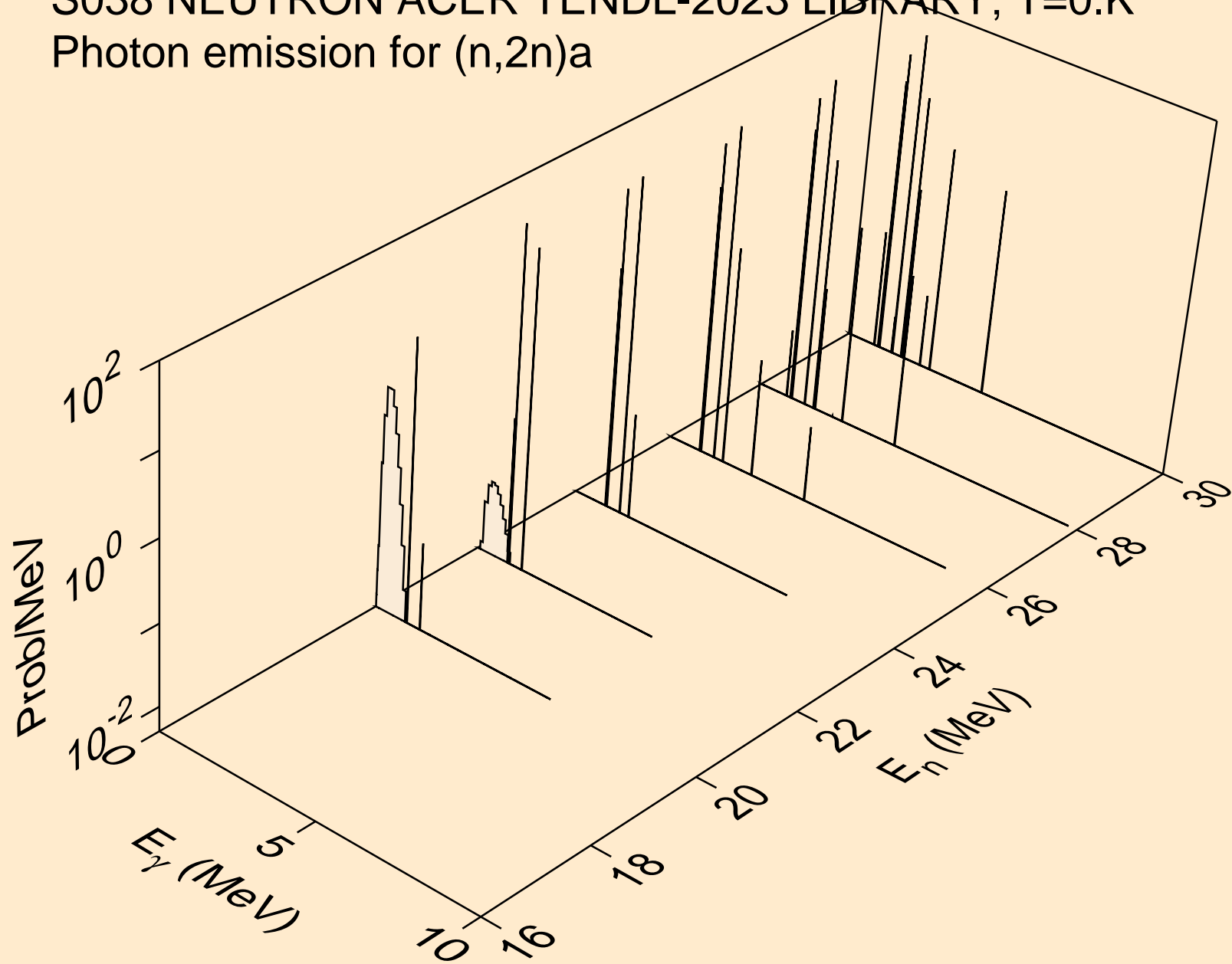
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



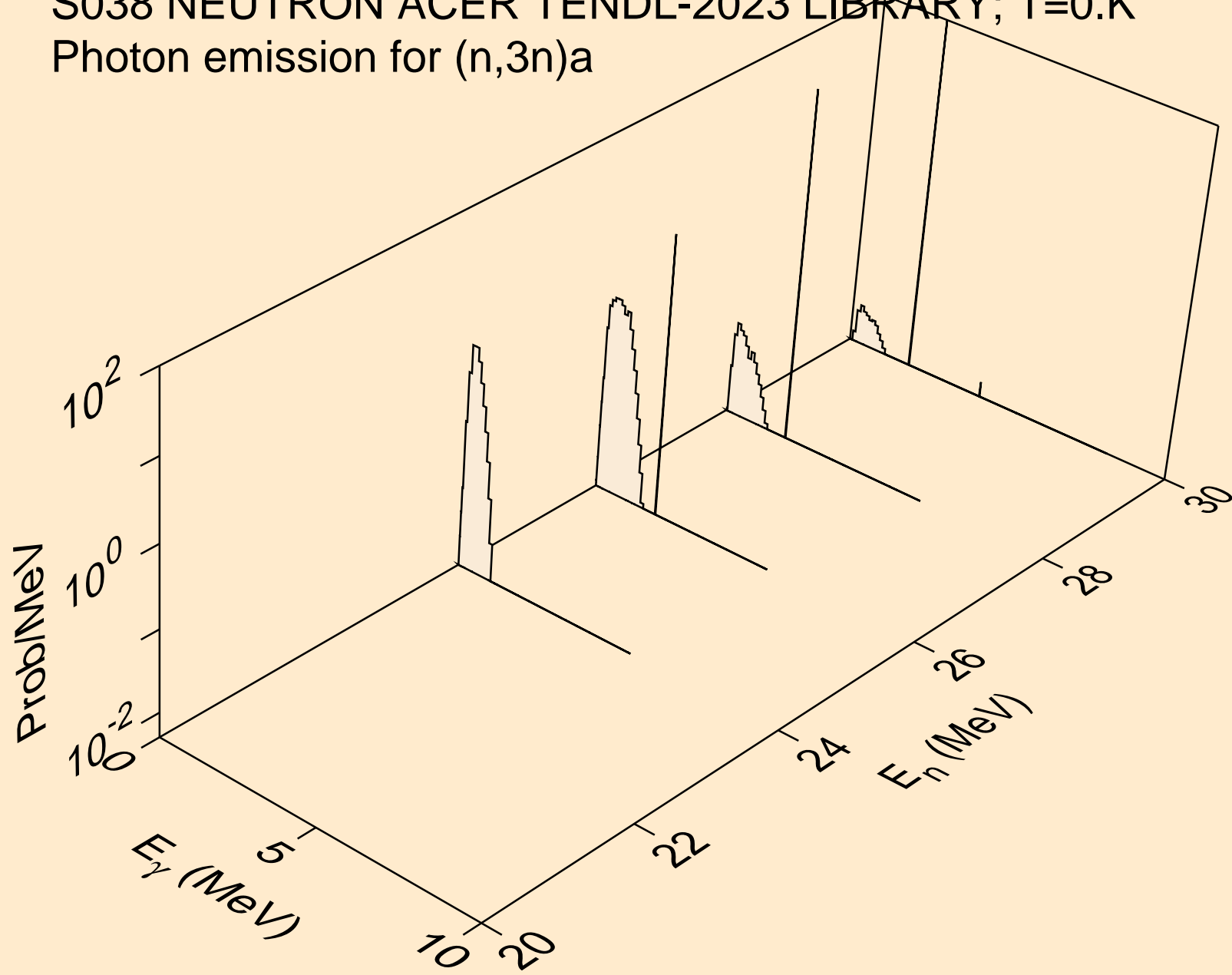
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



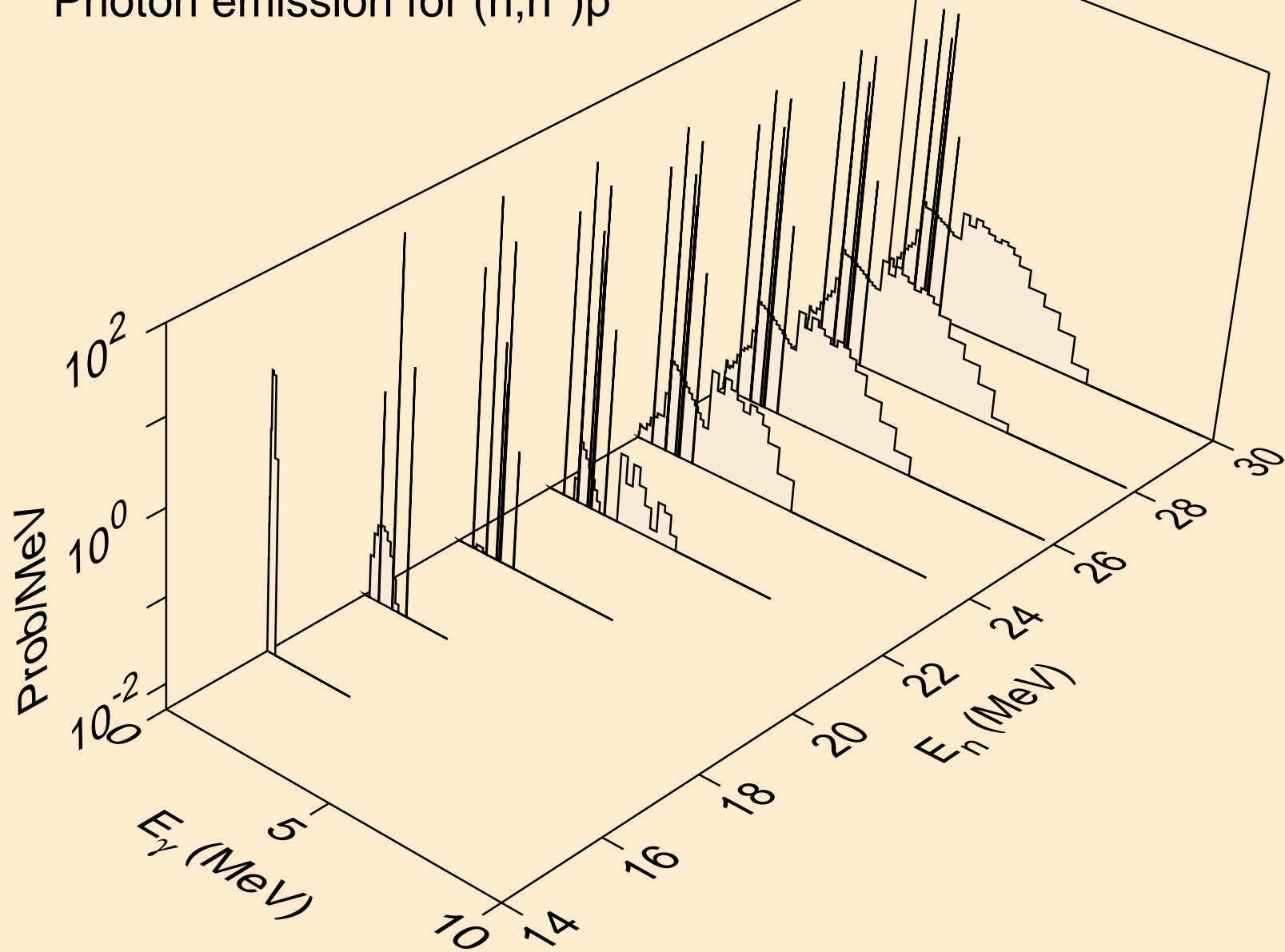
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



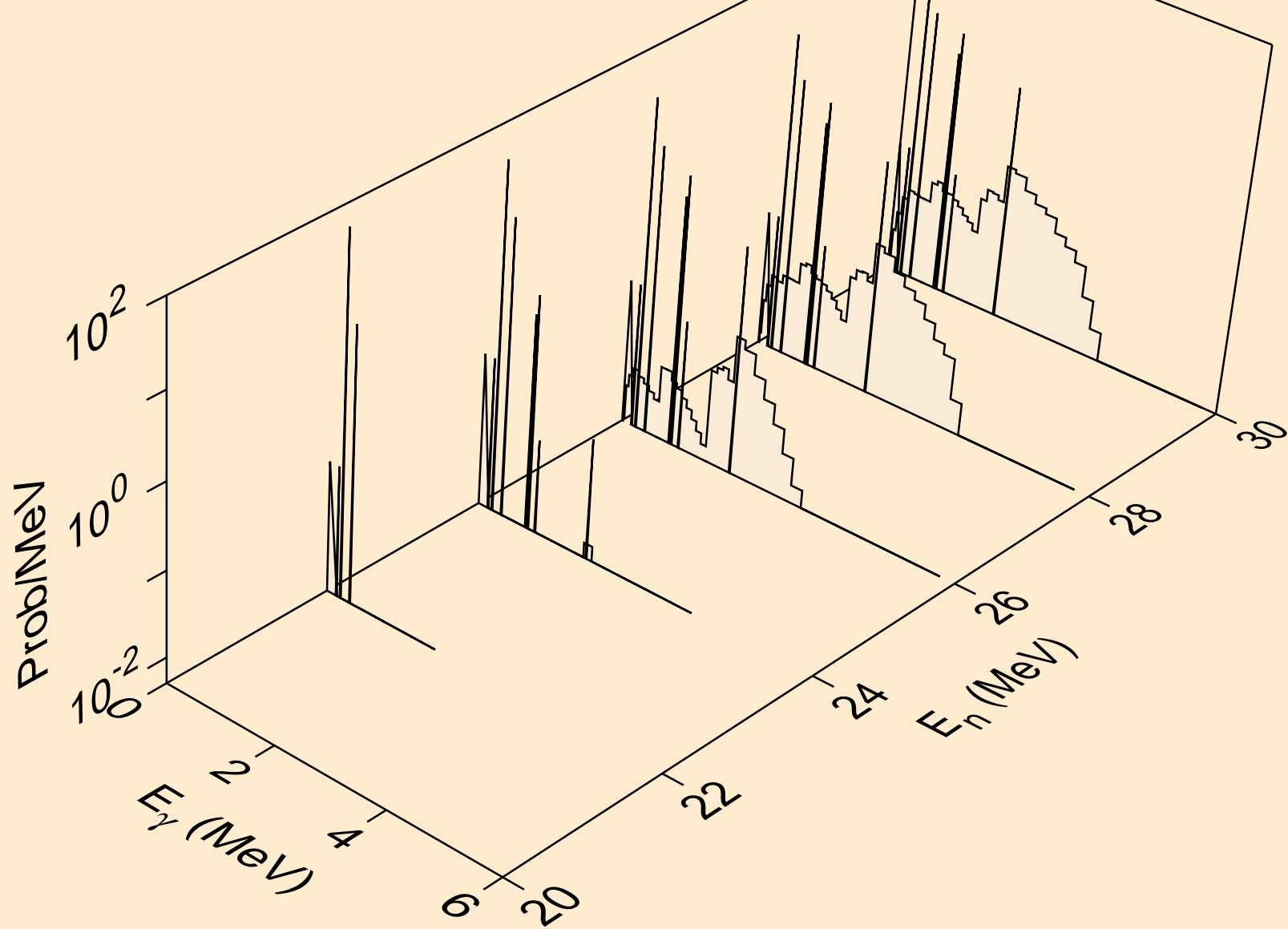
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

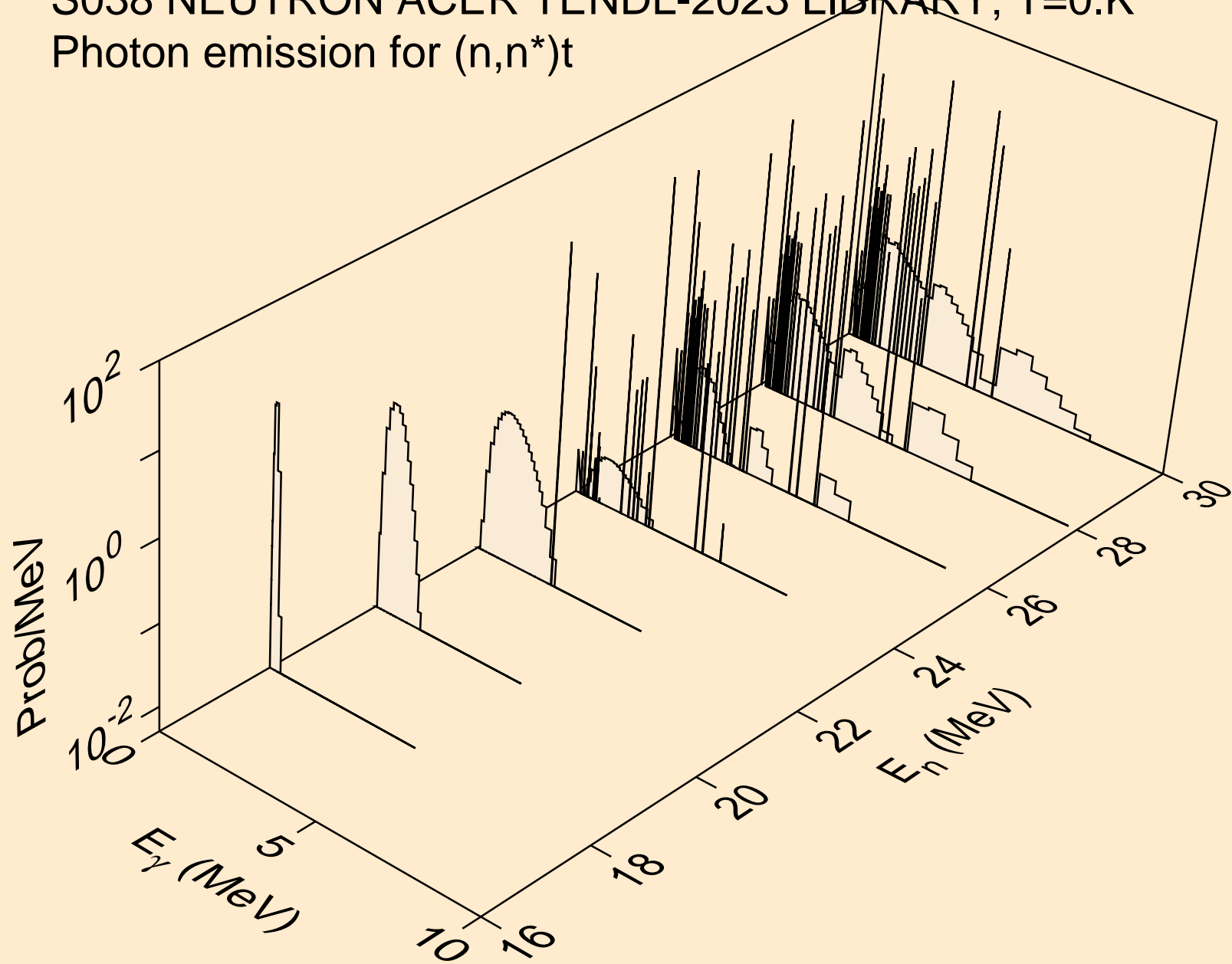


S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

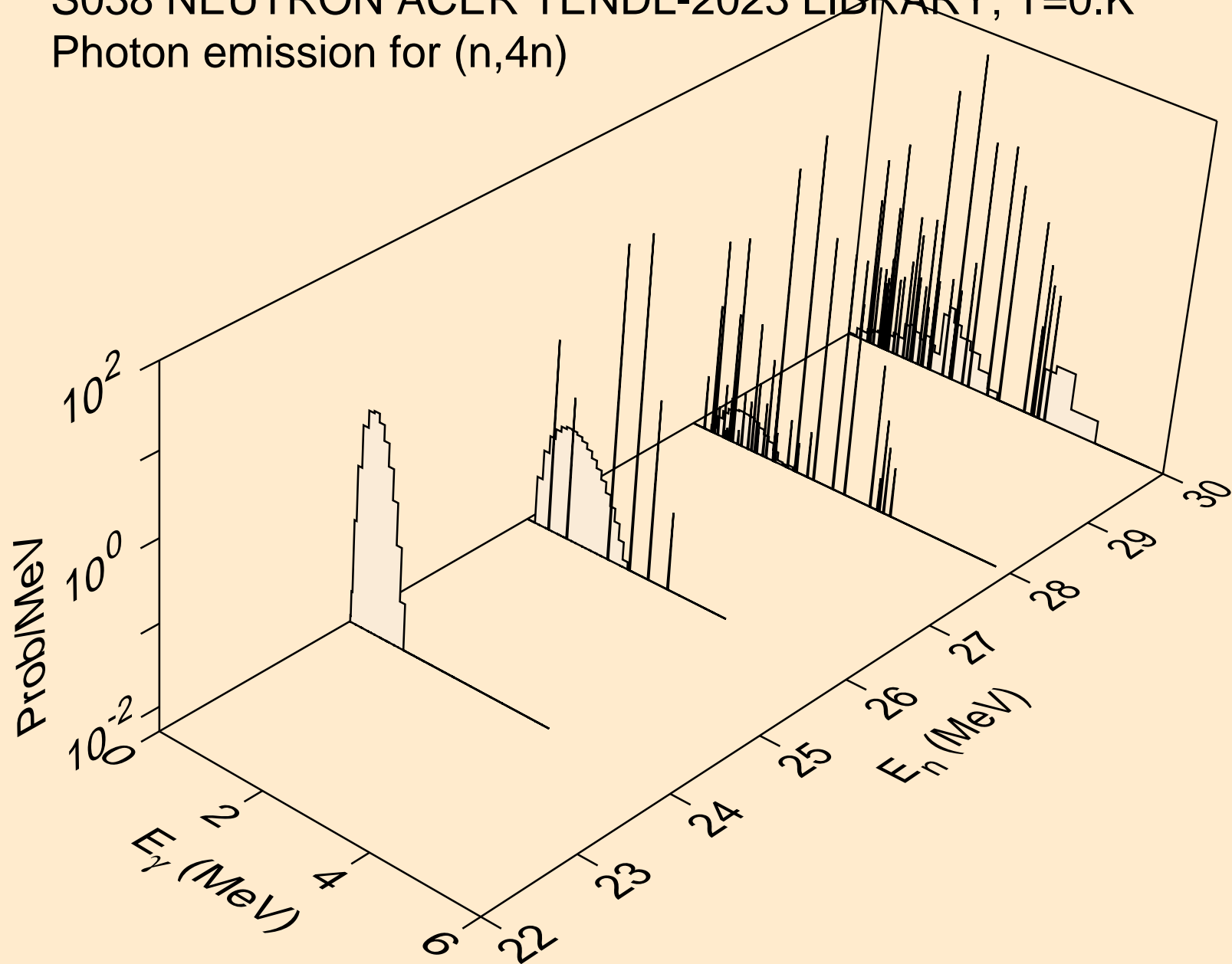




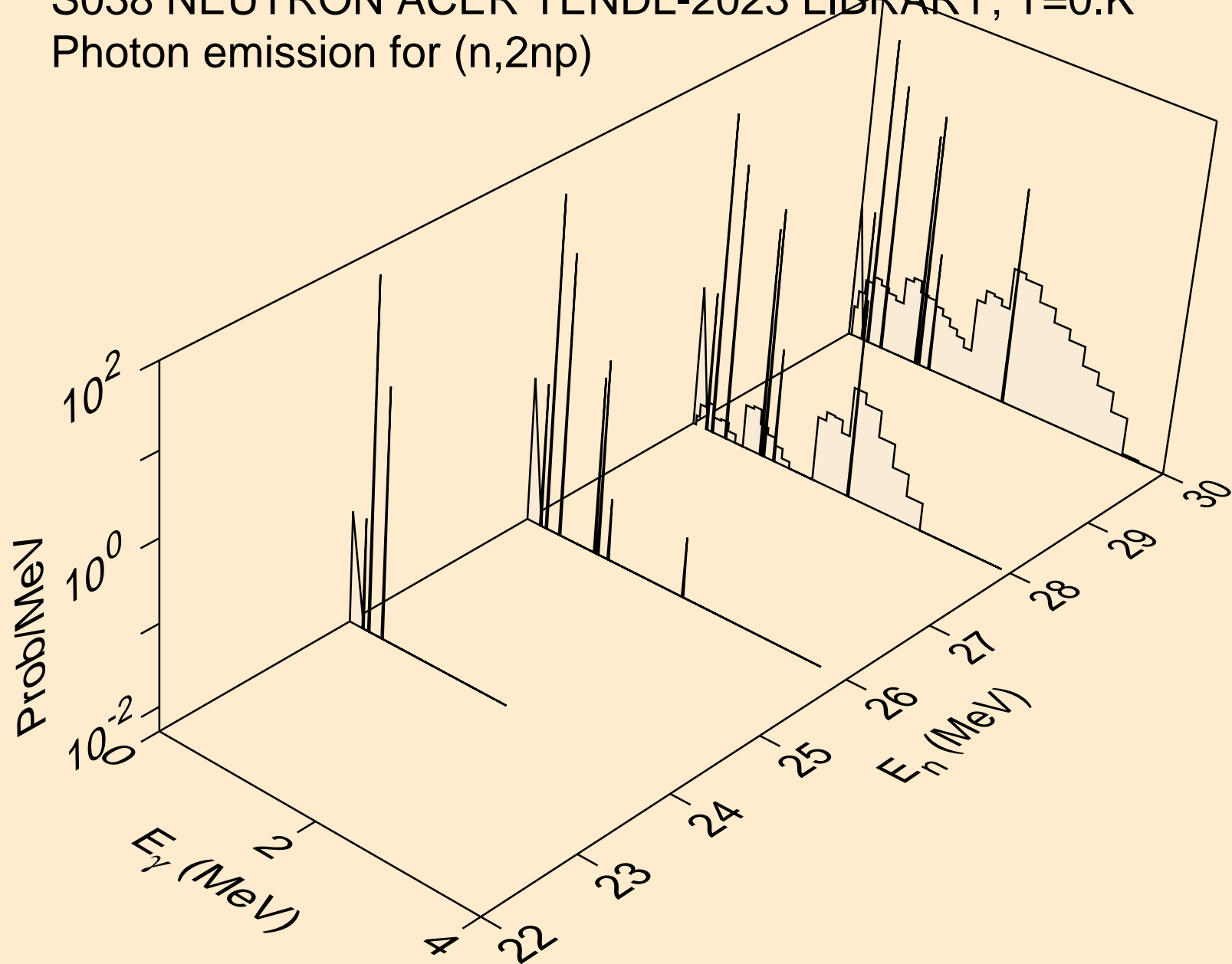
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



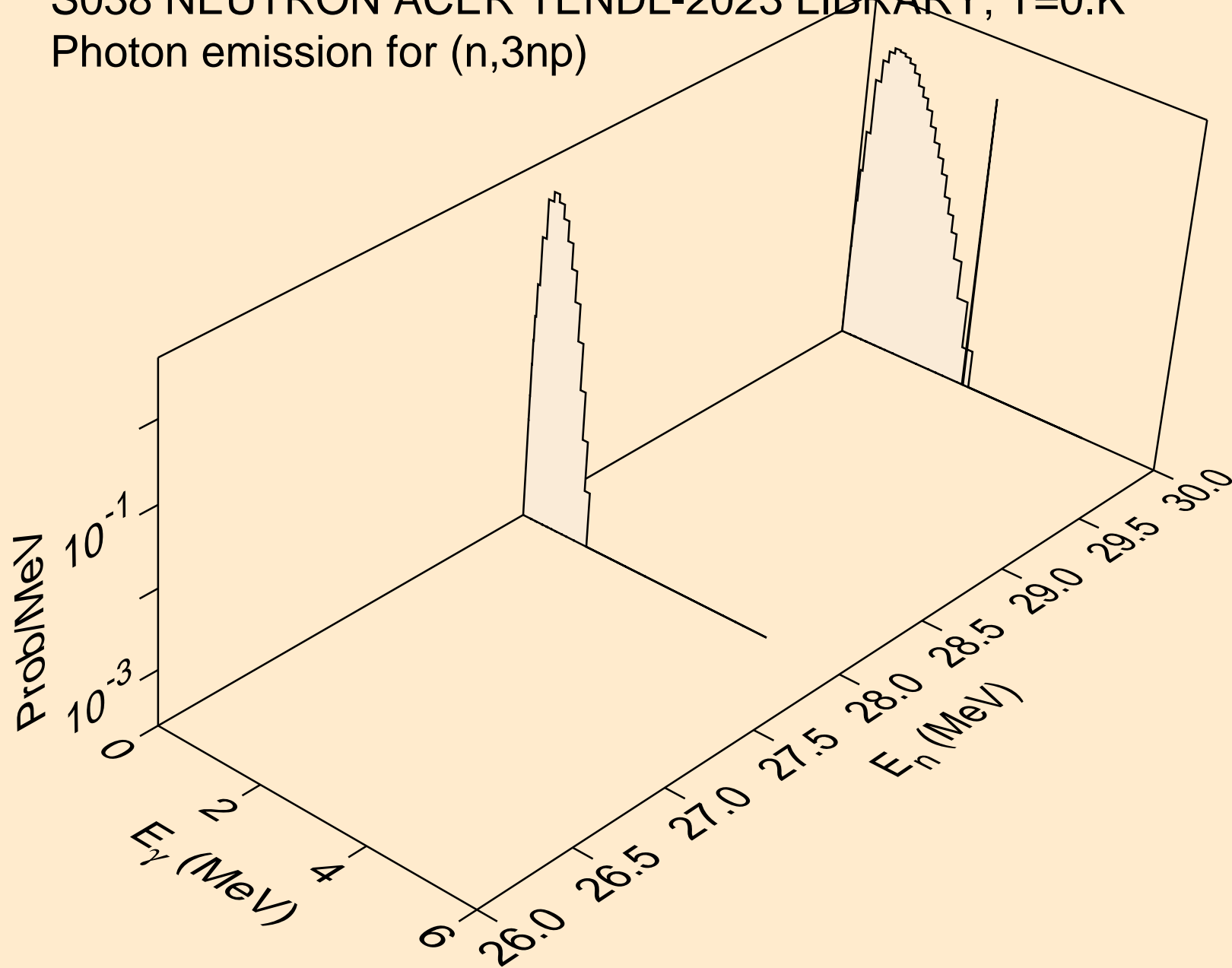
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



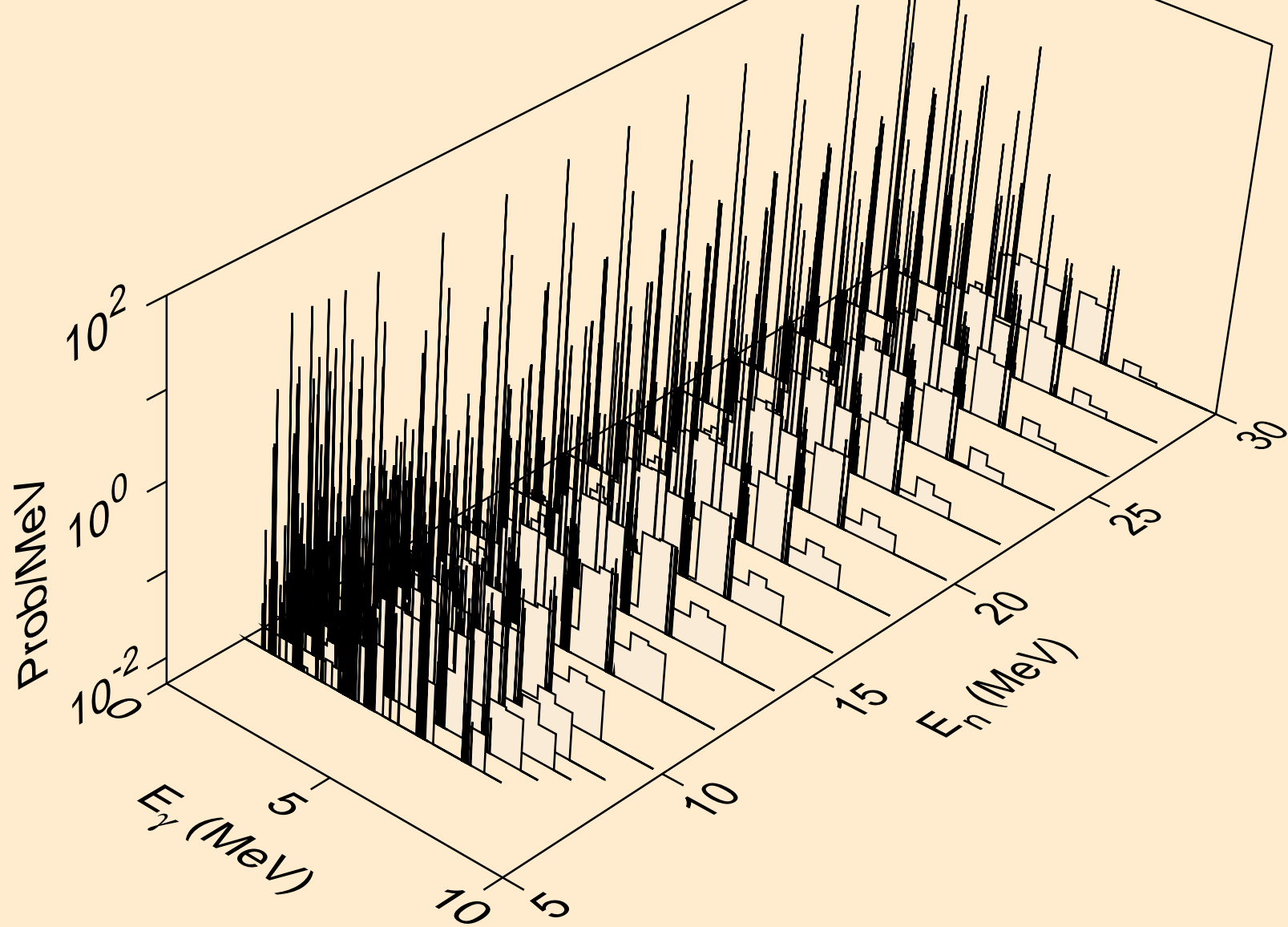
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



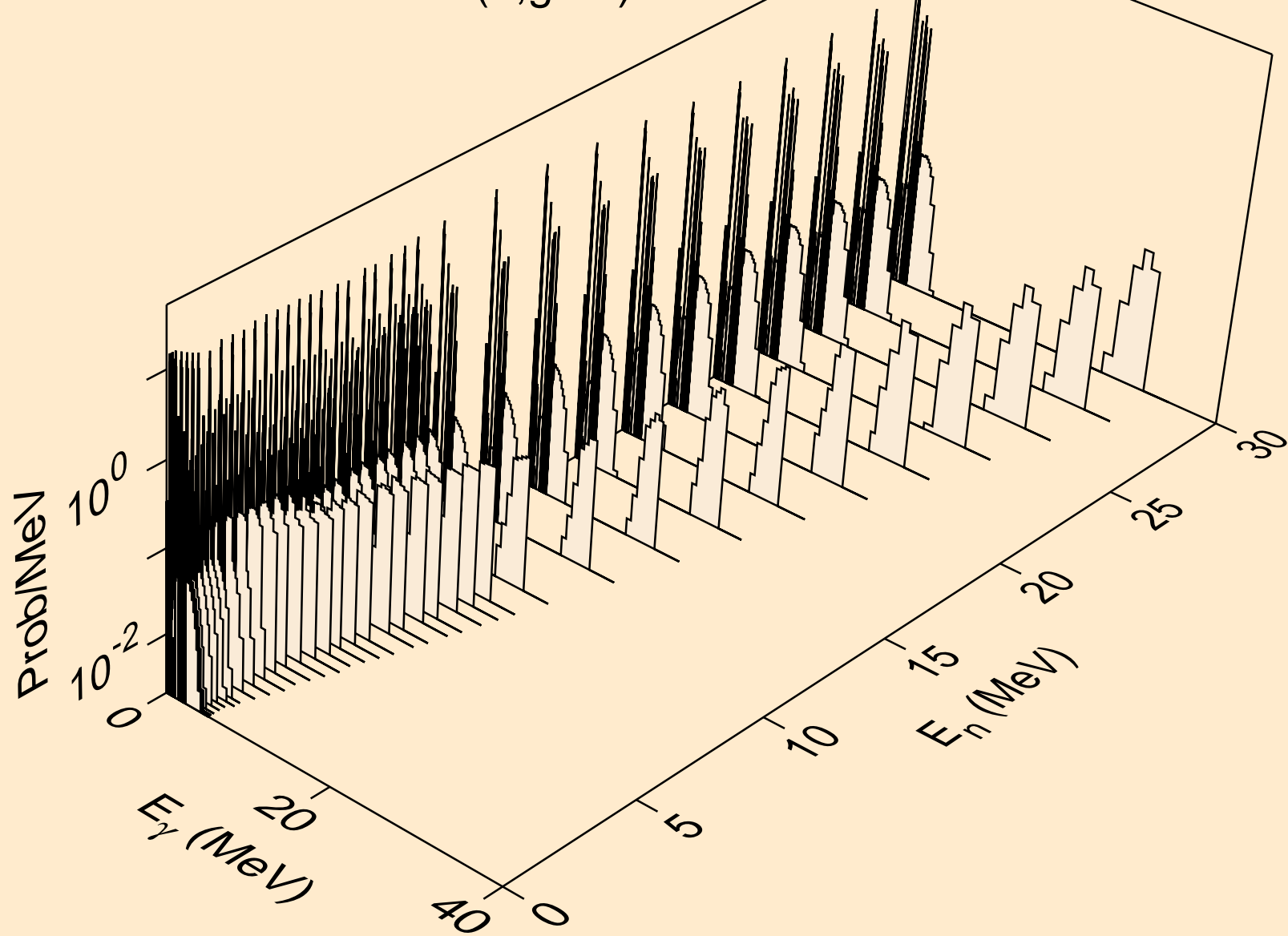
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Photon emission for (n,3np)



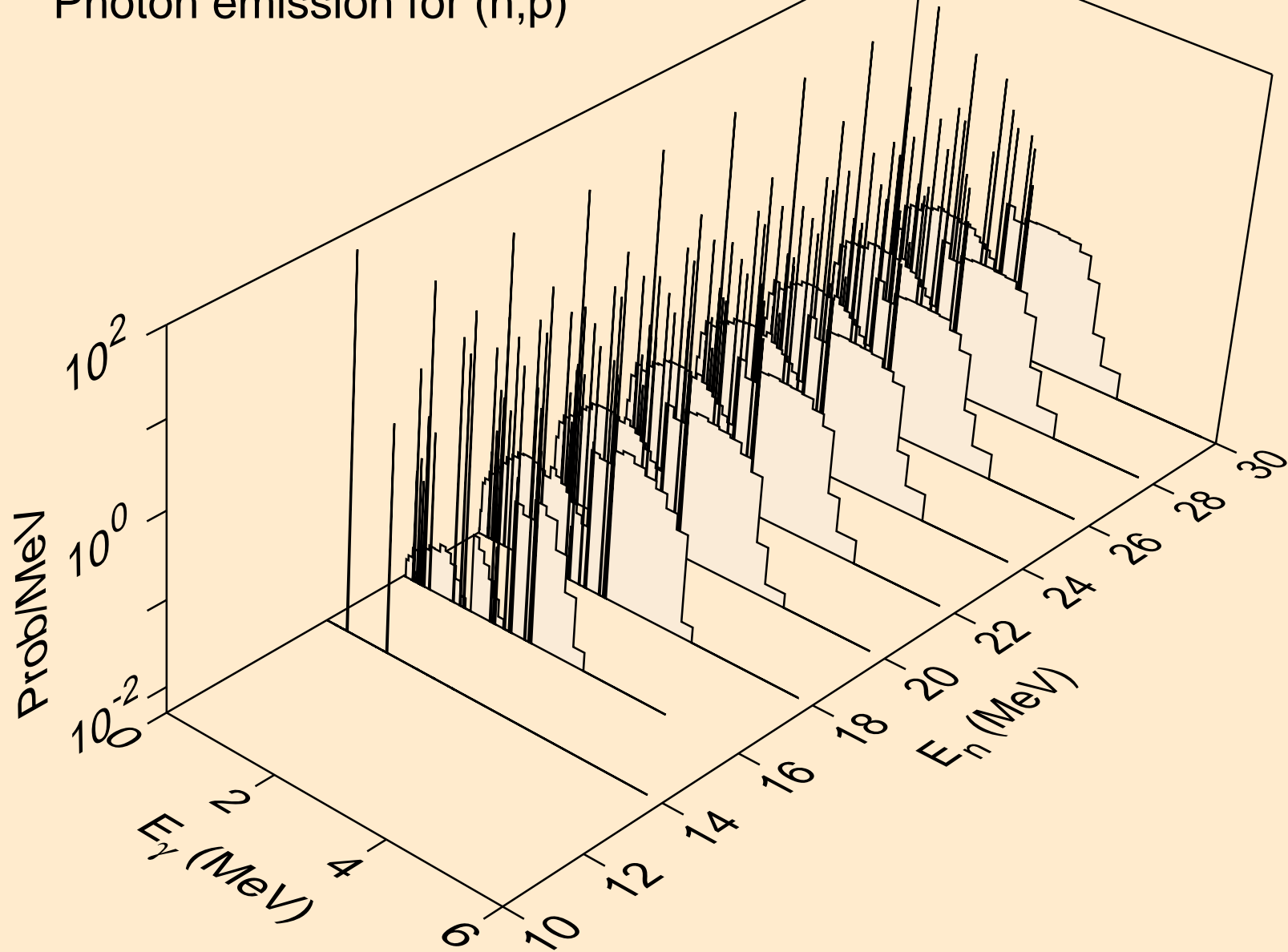
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



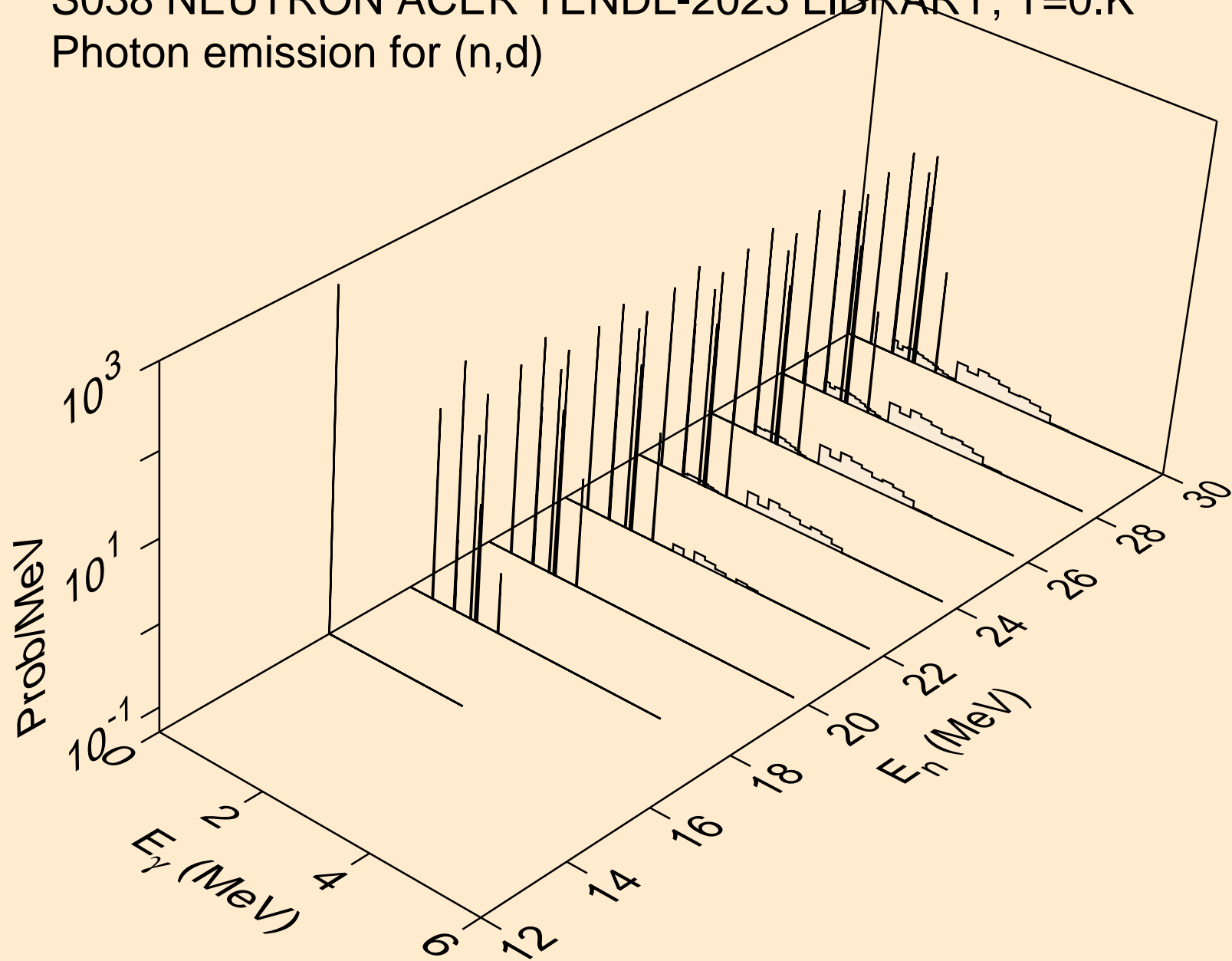
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)

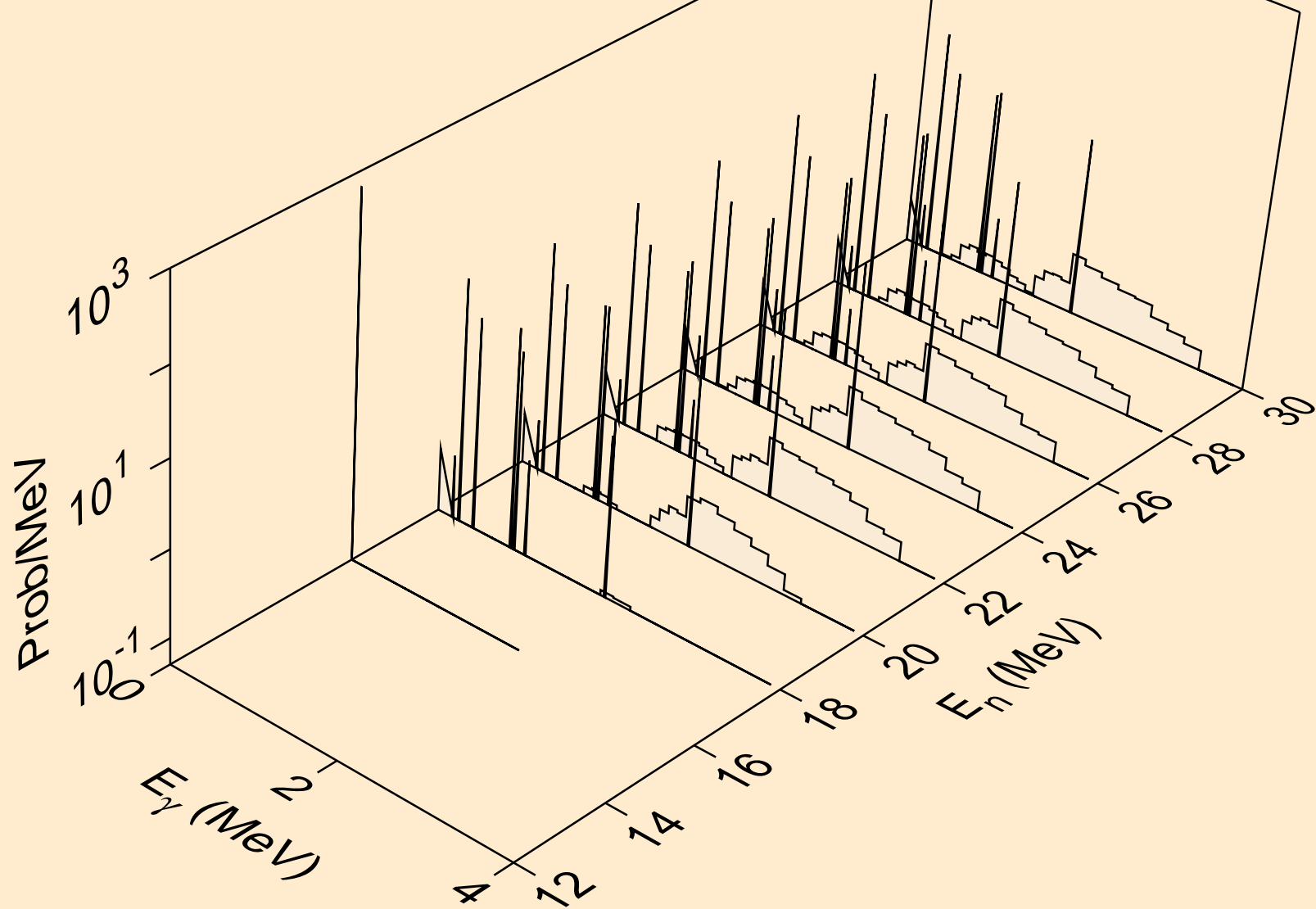


S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)

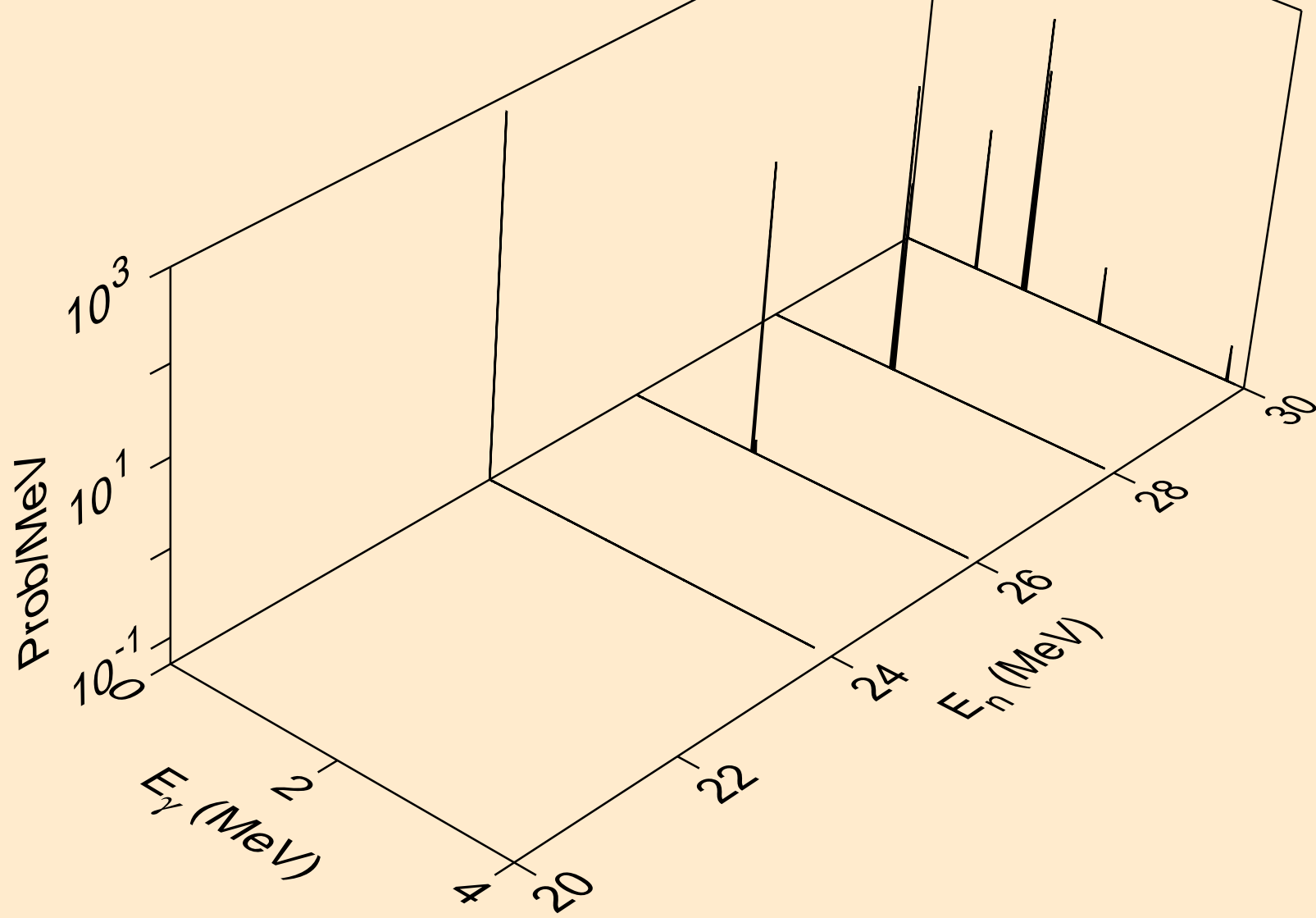




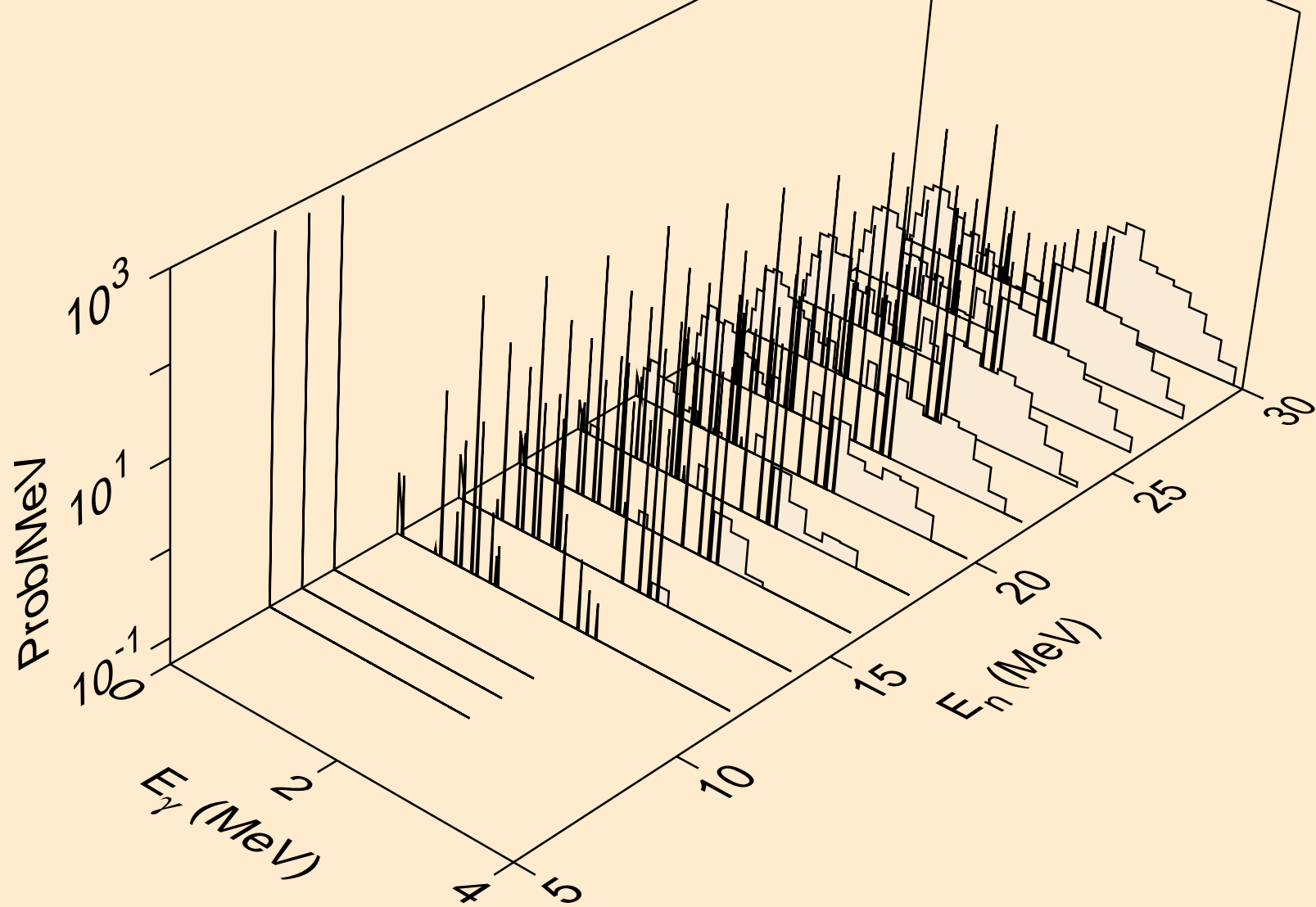
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



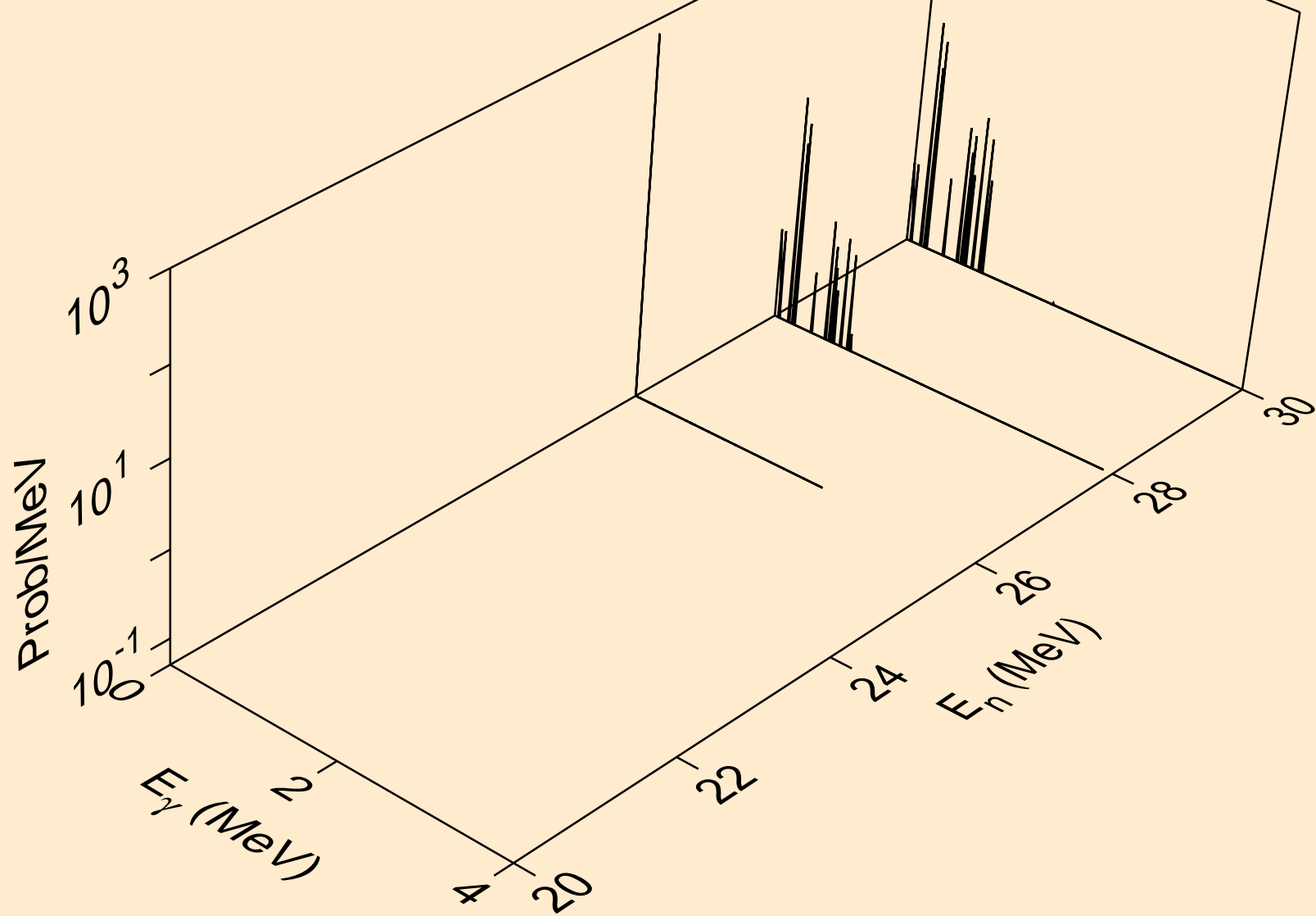
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



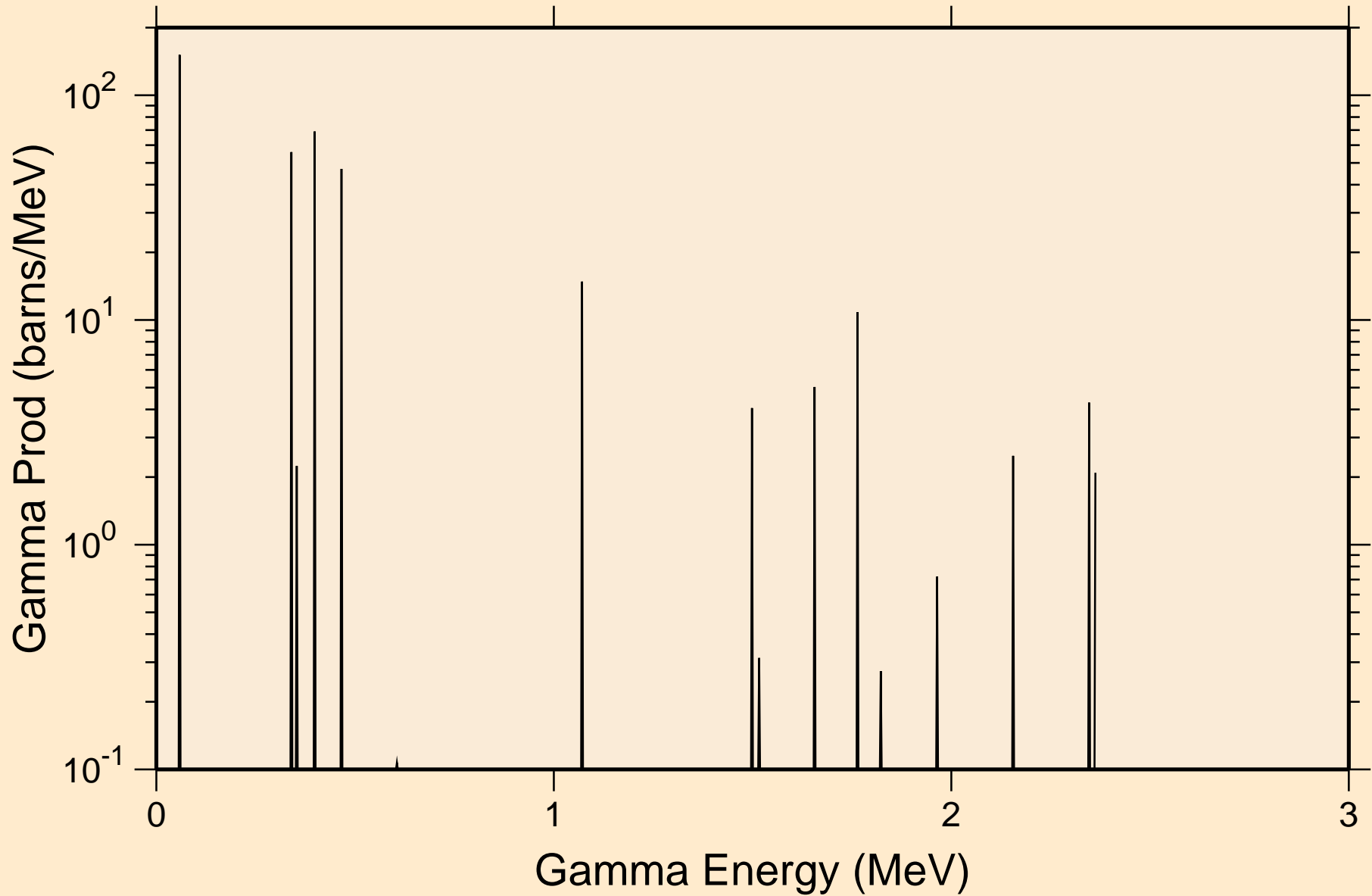
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



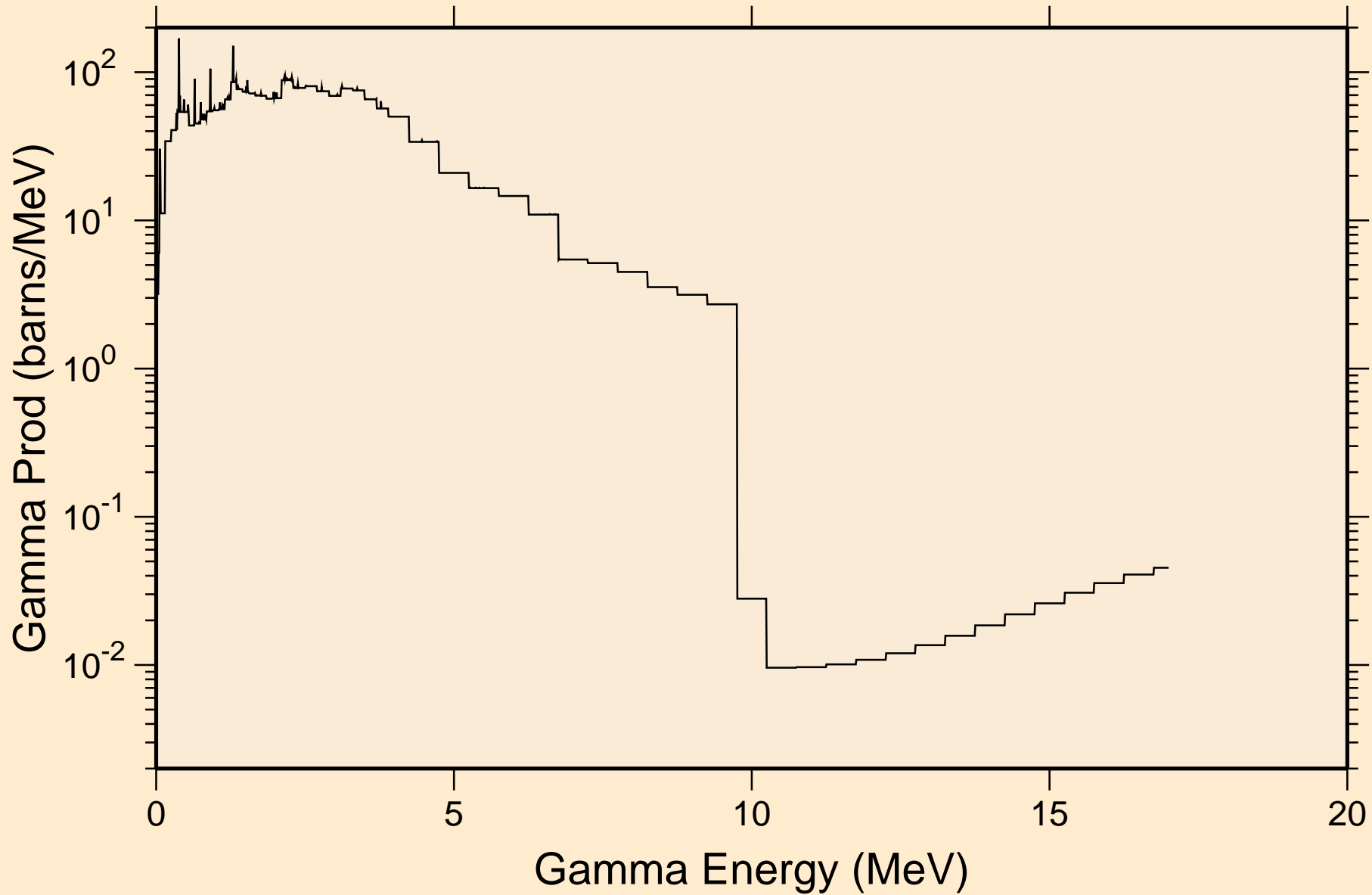
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

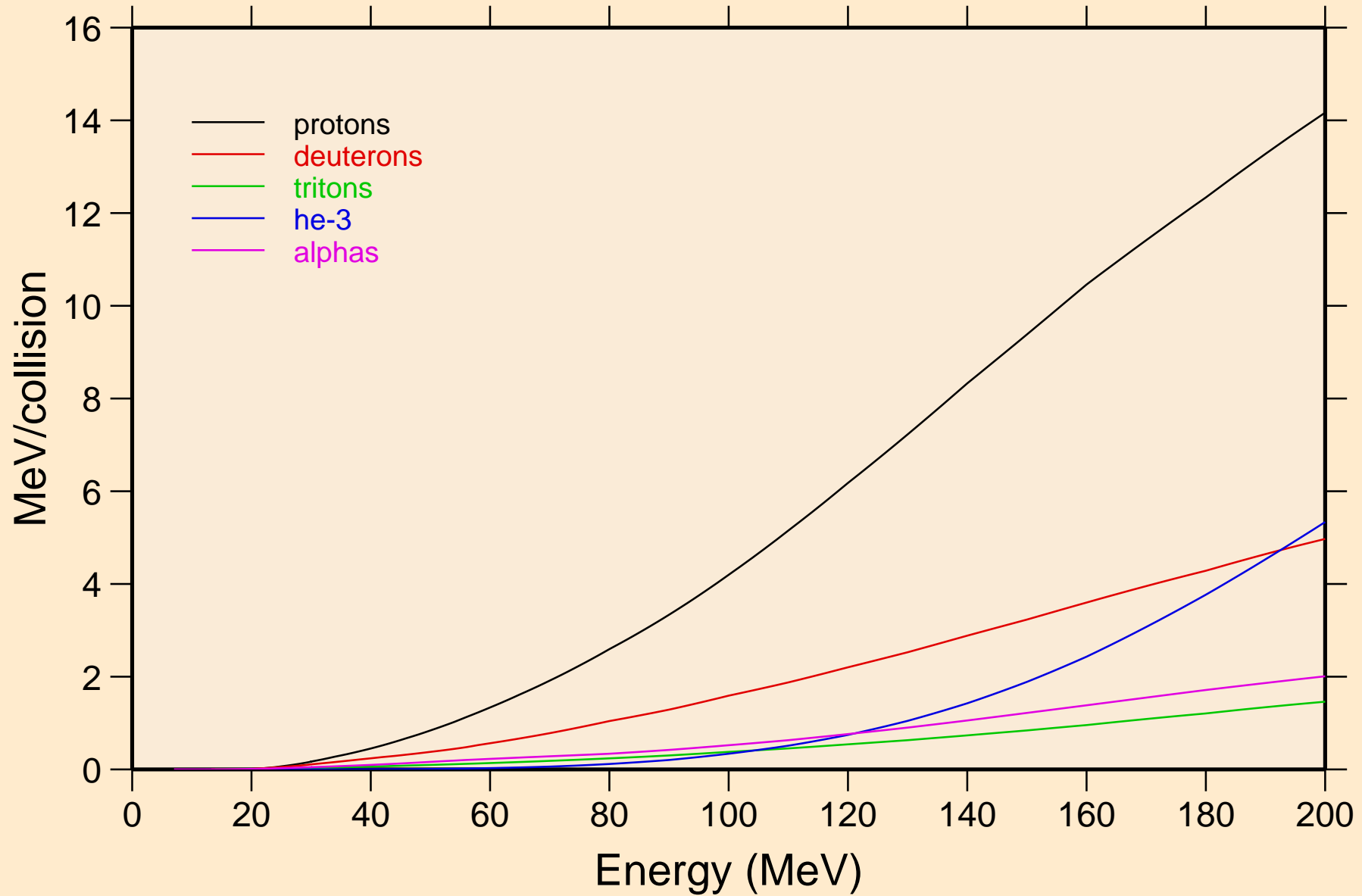


S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

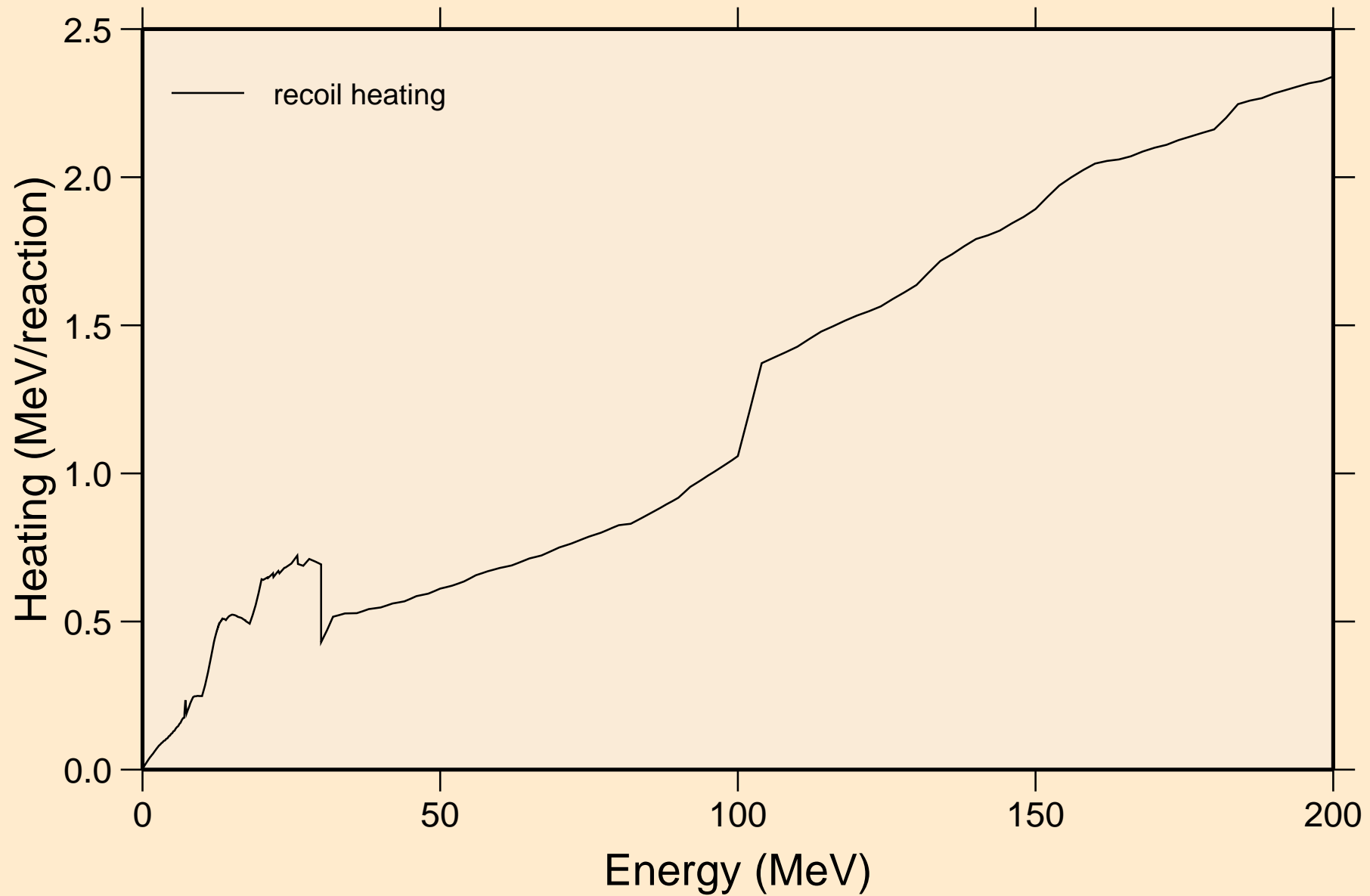


# S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions



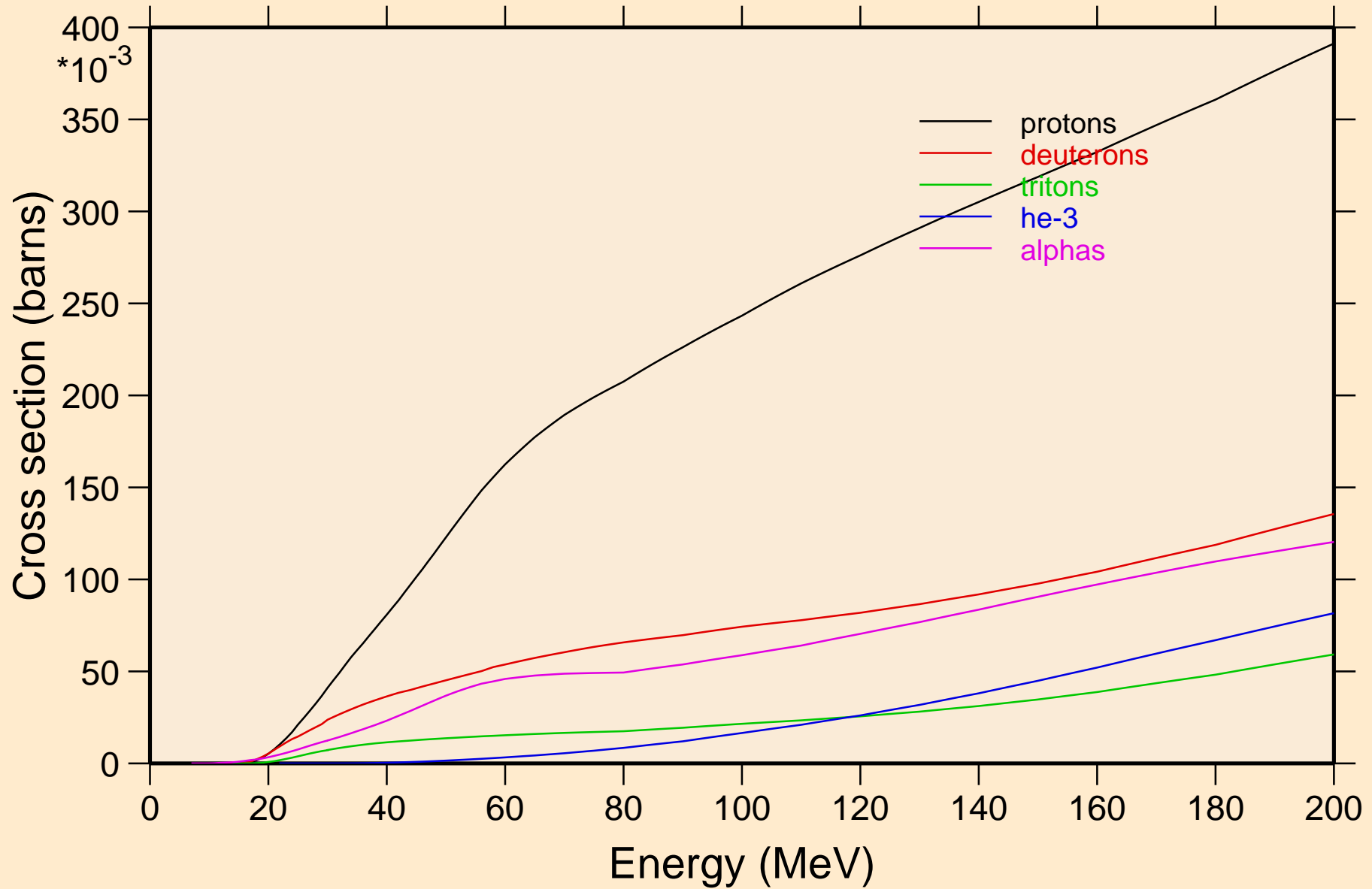
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



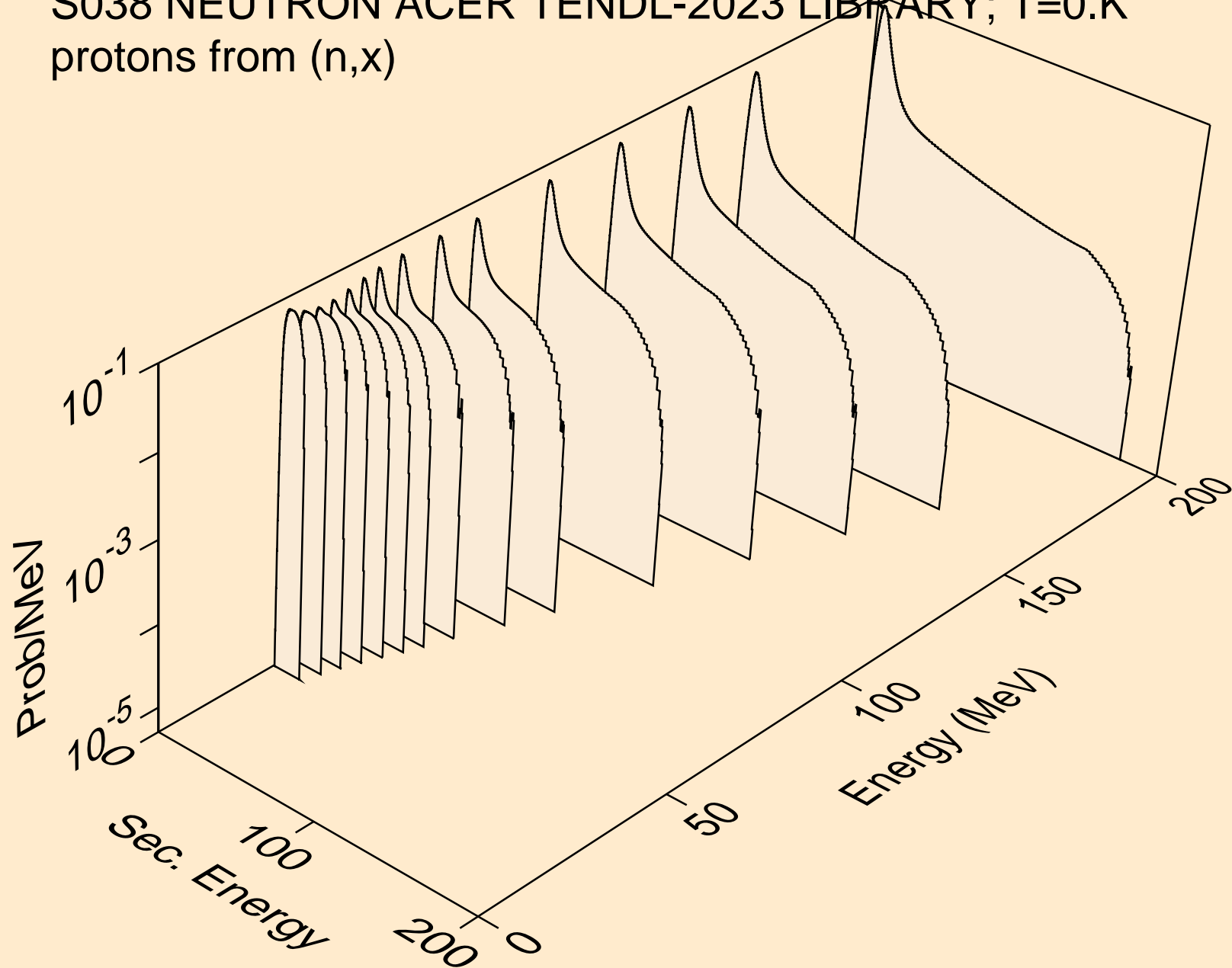


# S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

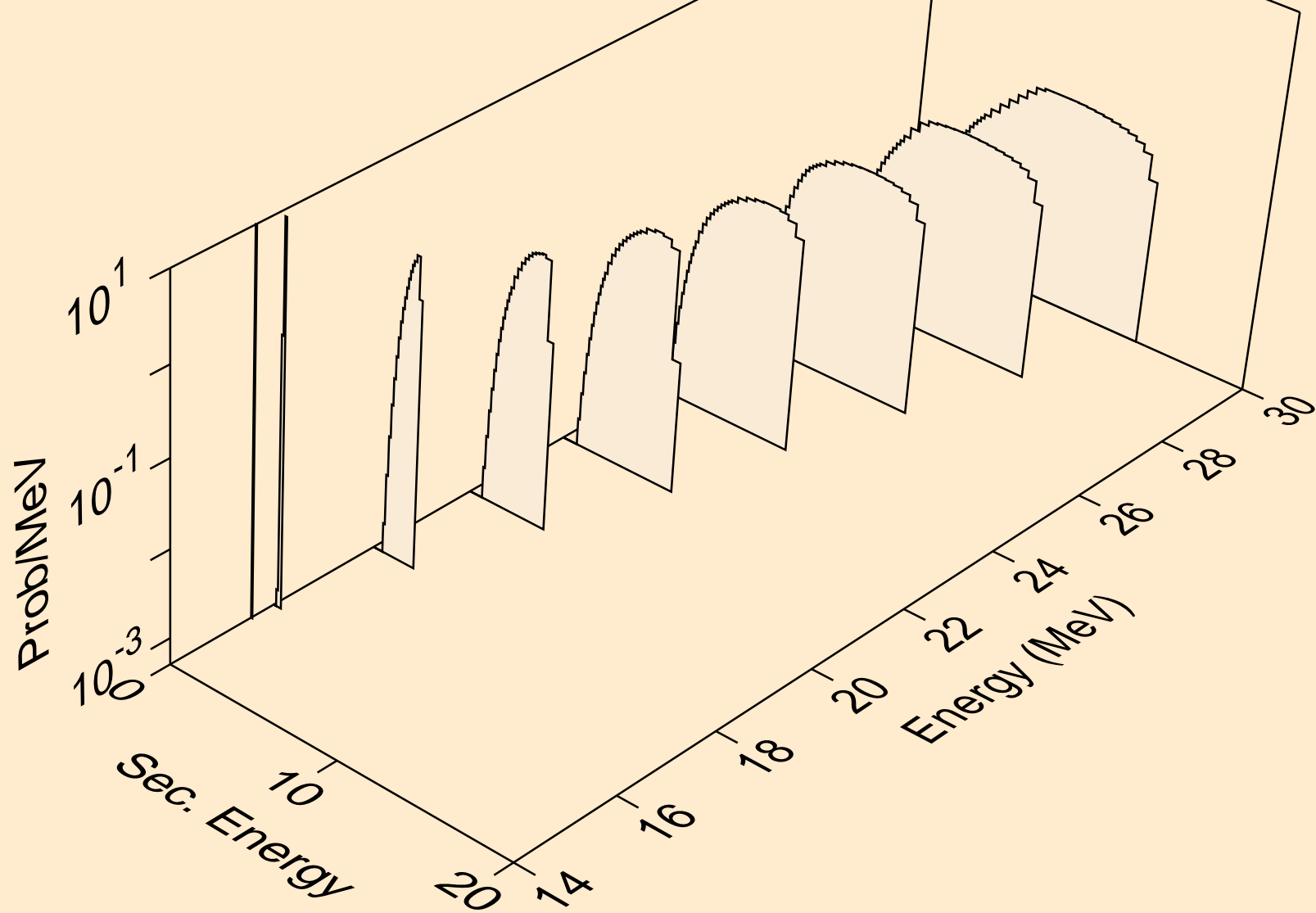
## Particle production cross sections



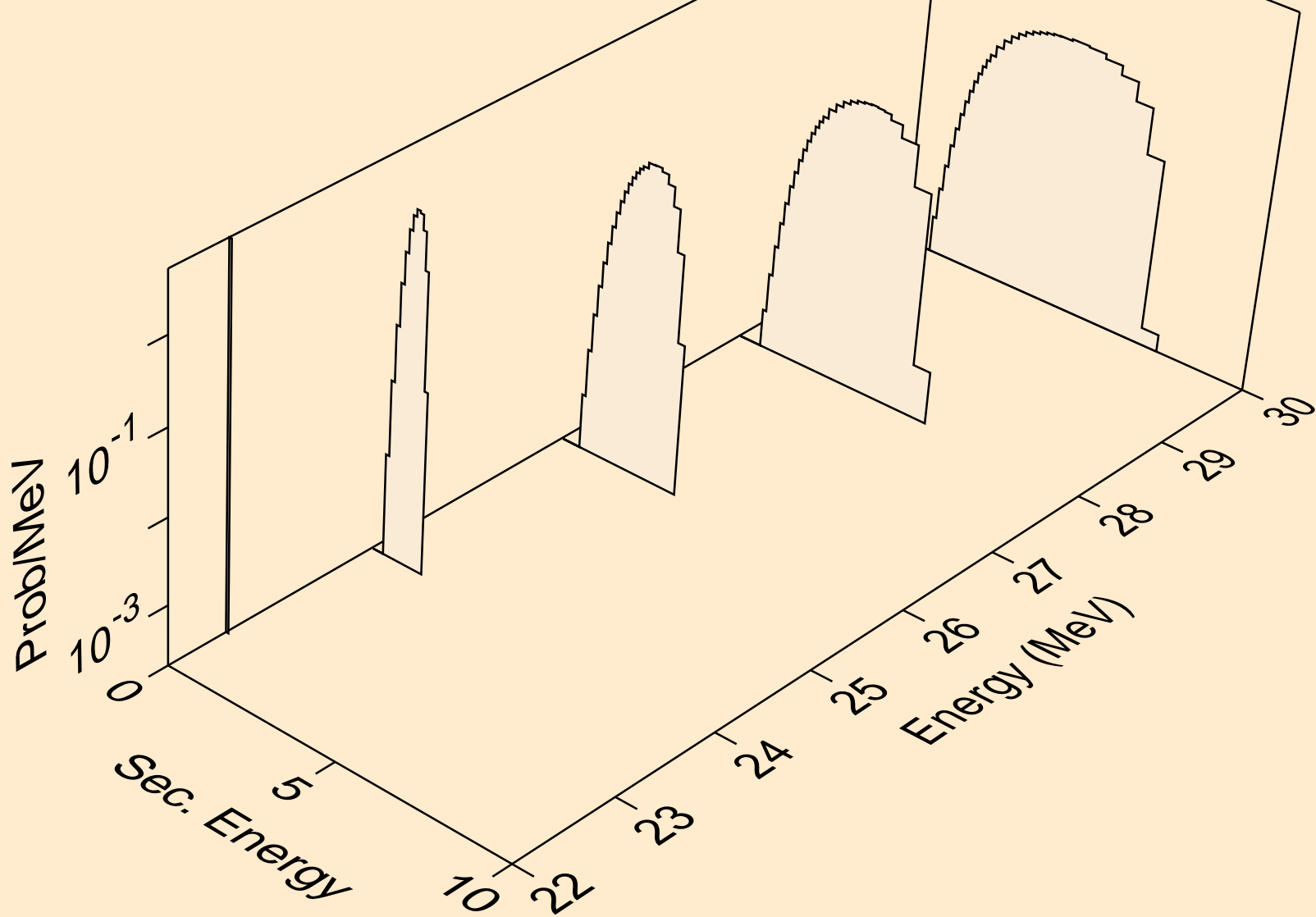
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



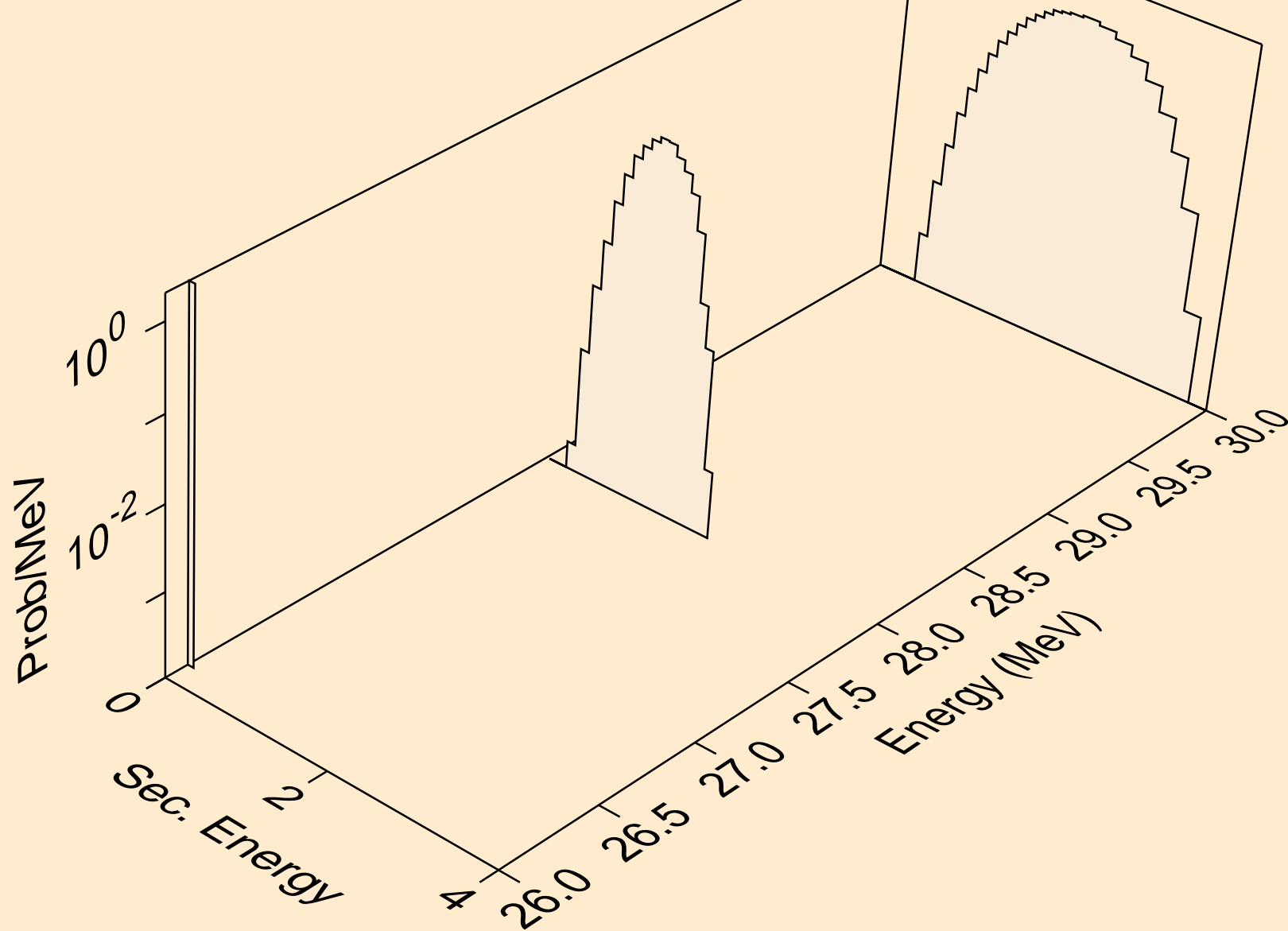
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



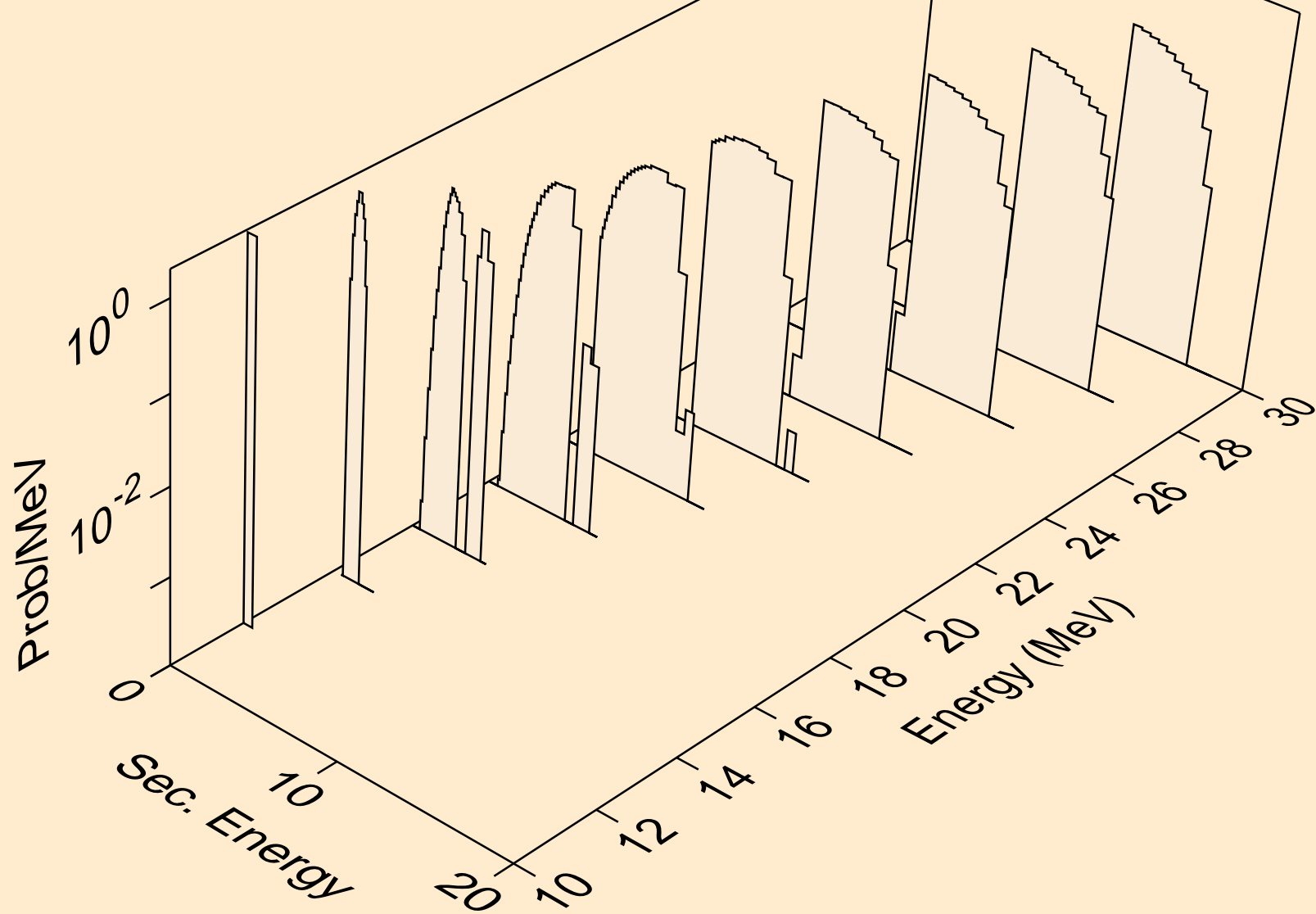
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



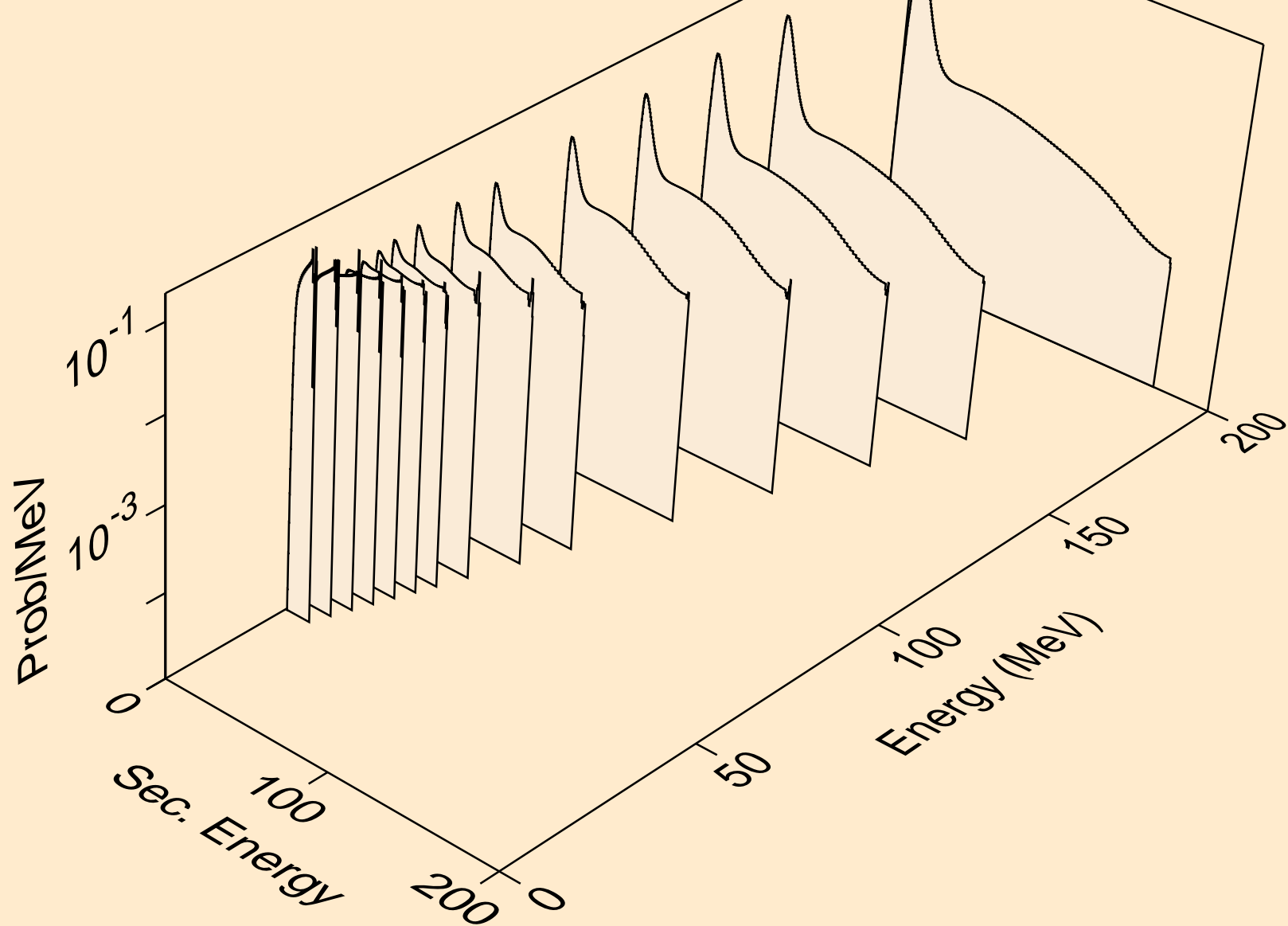
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protons from (n,3np)



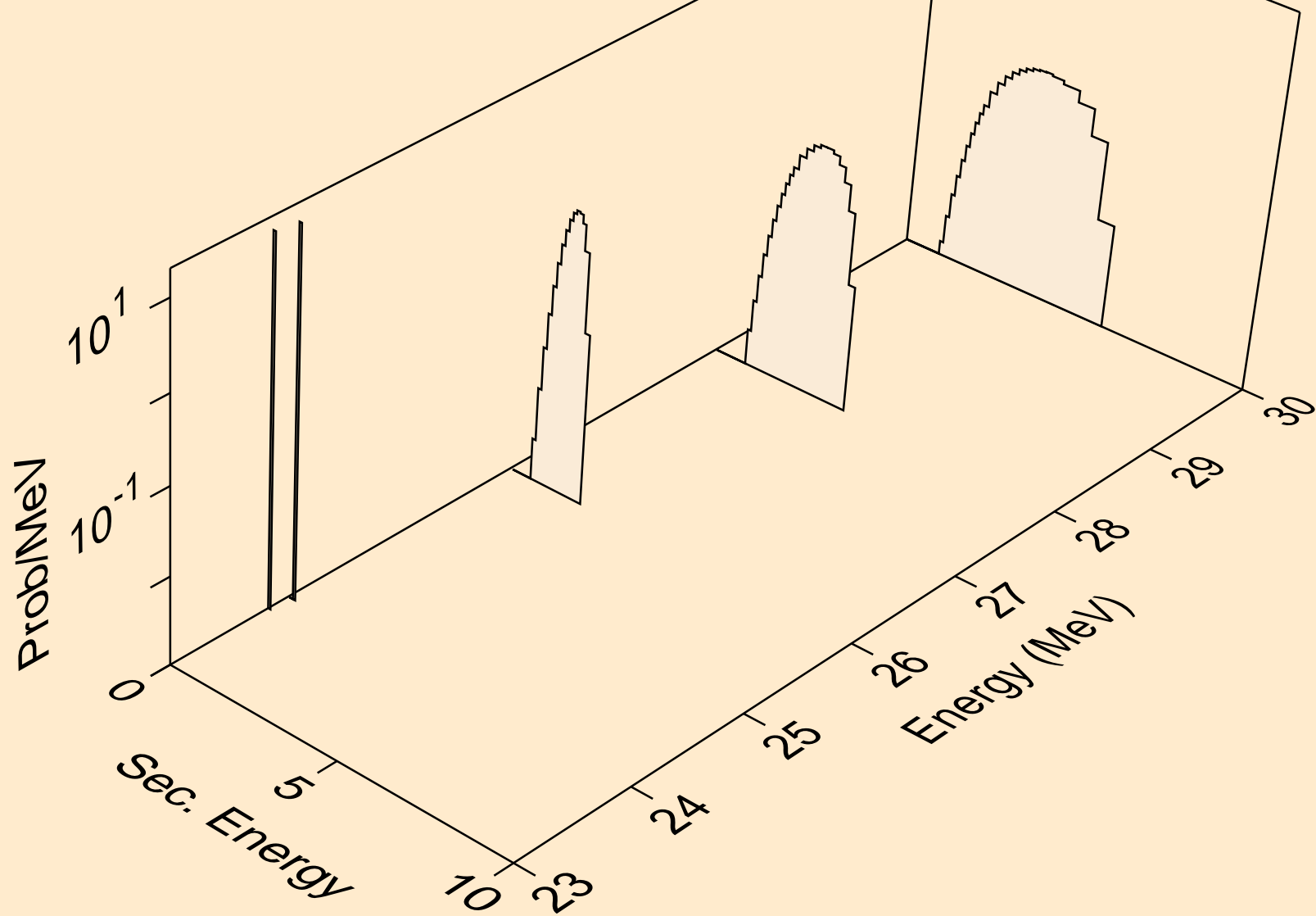
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)

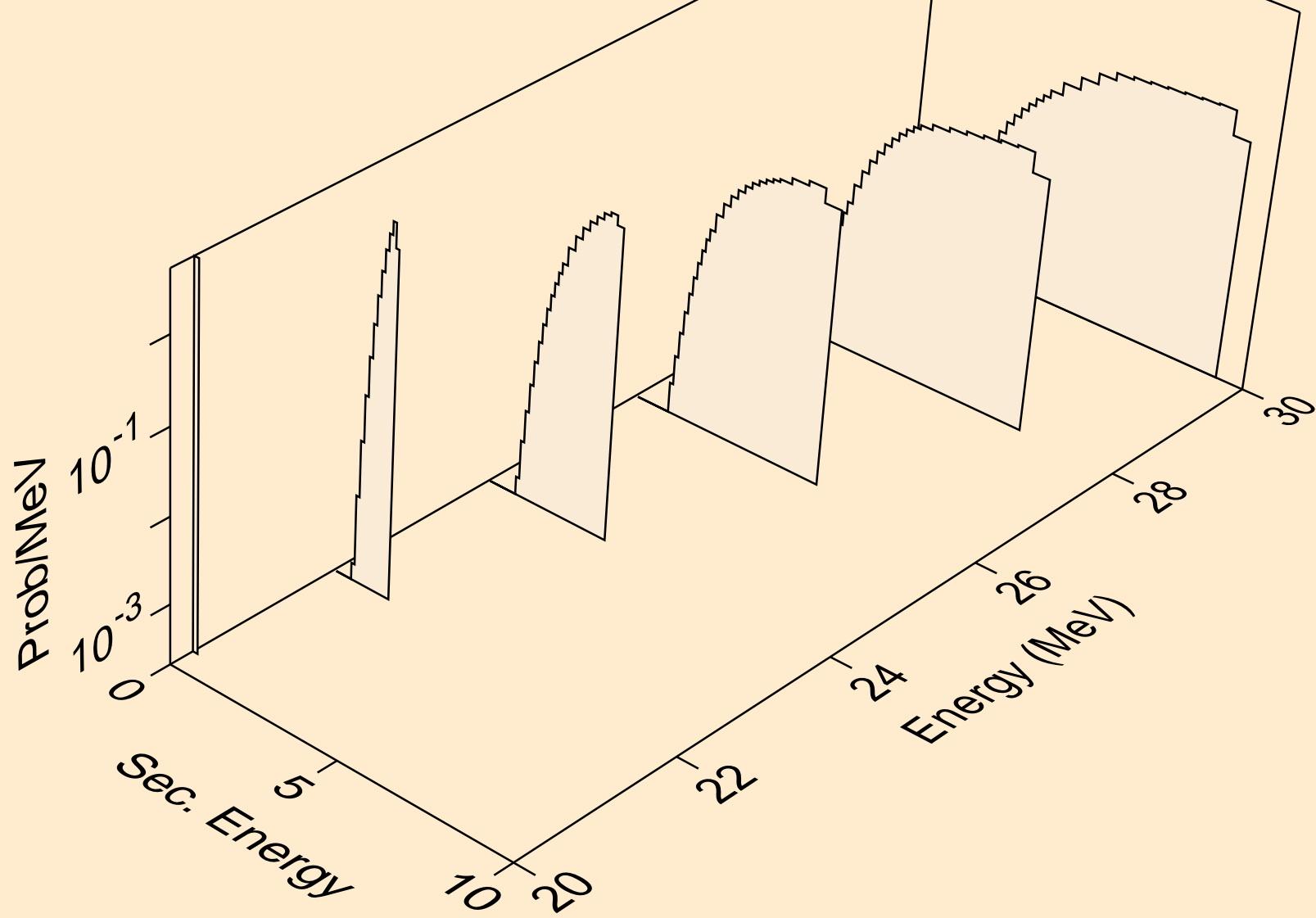


S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,2nd)

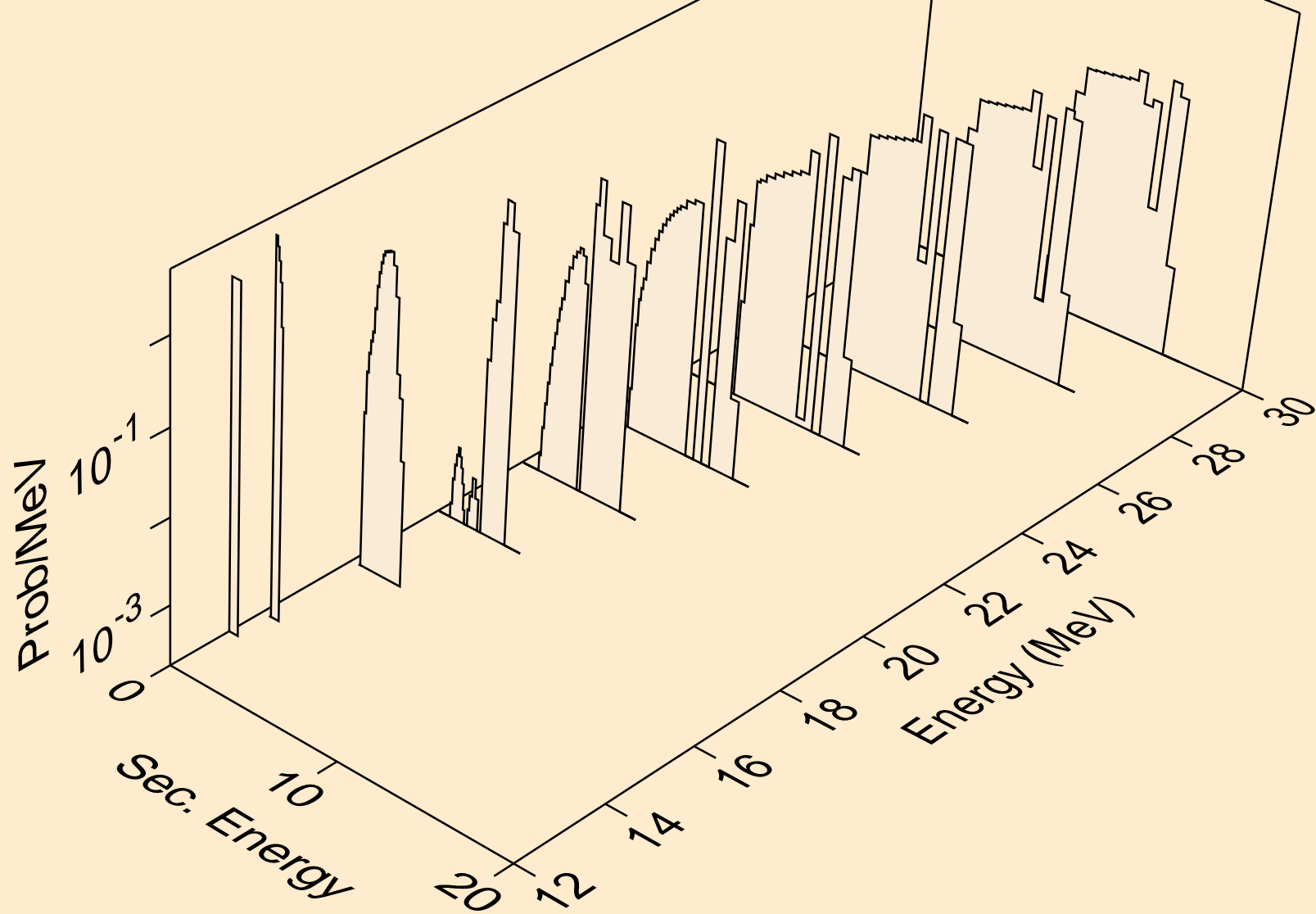




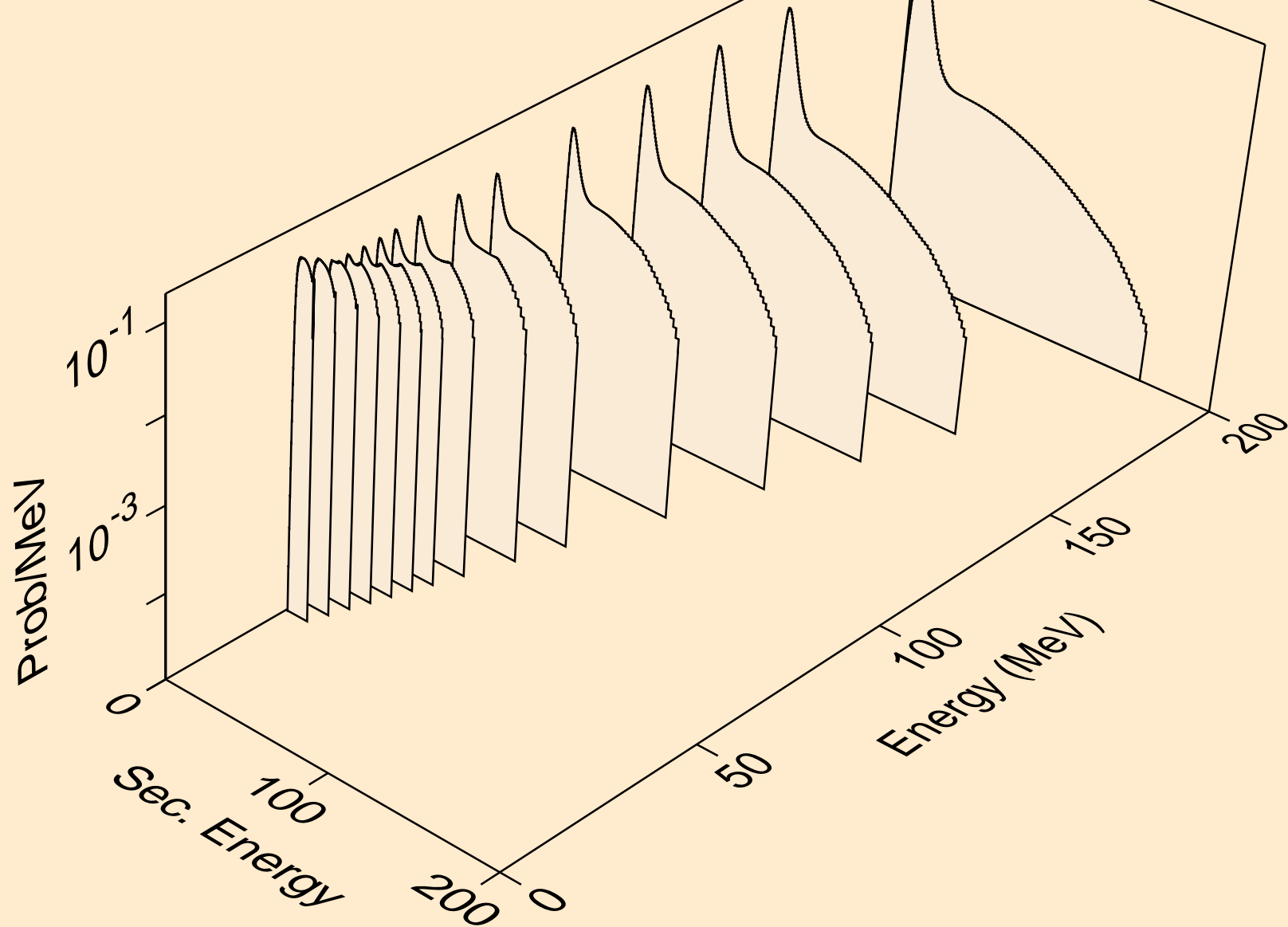
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



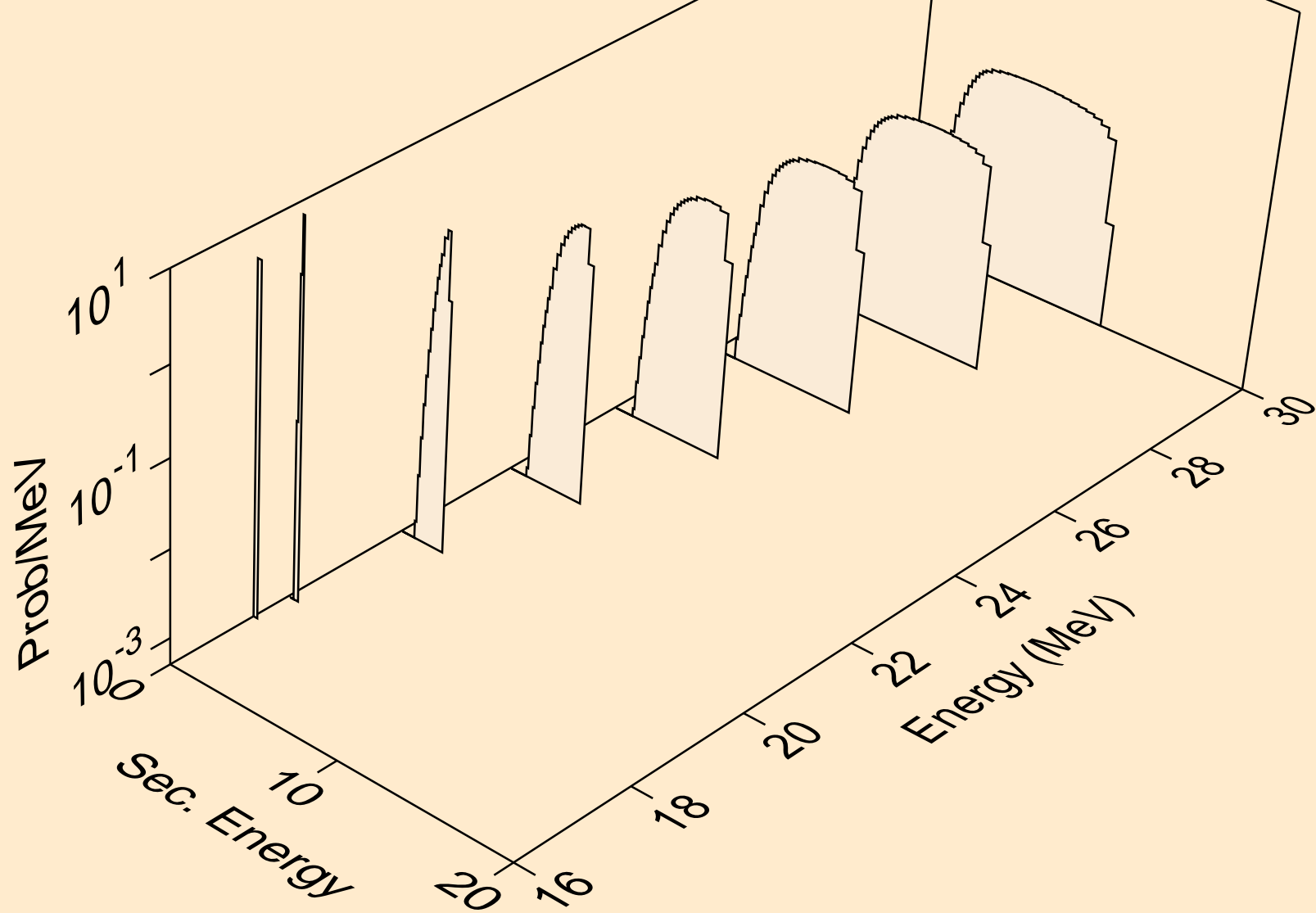
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deuterons from (n,d)



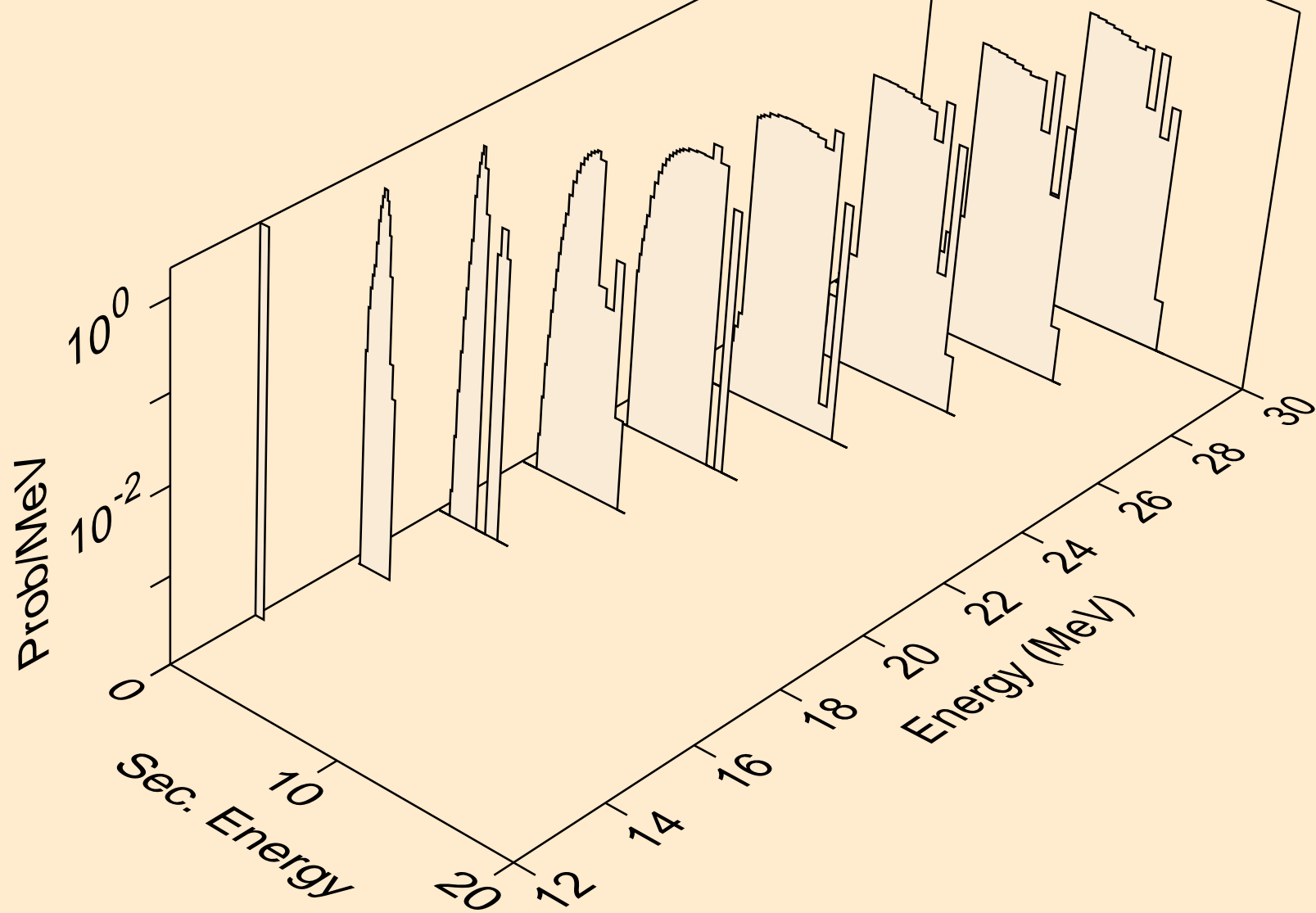
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



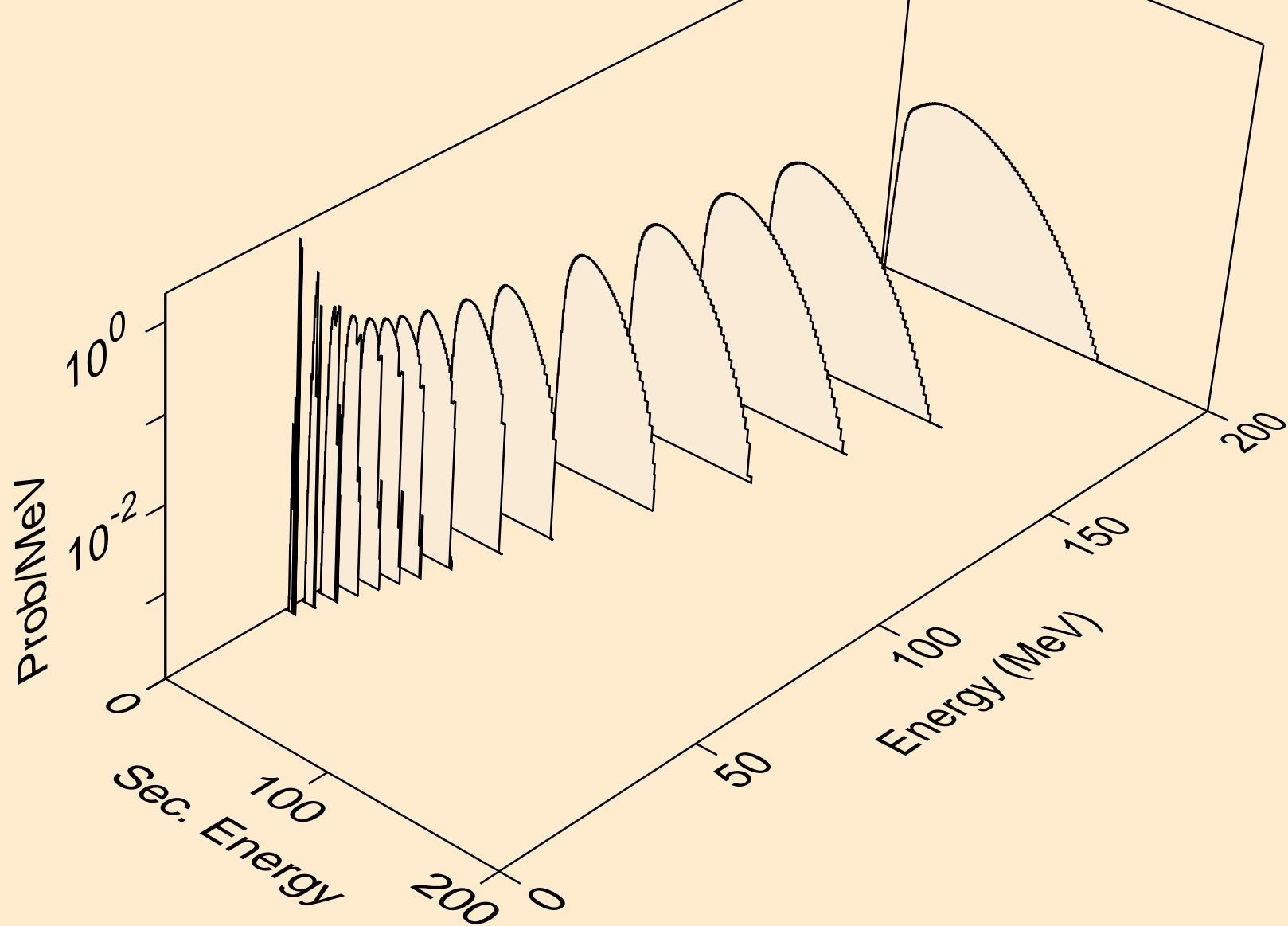
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



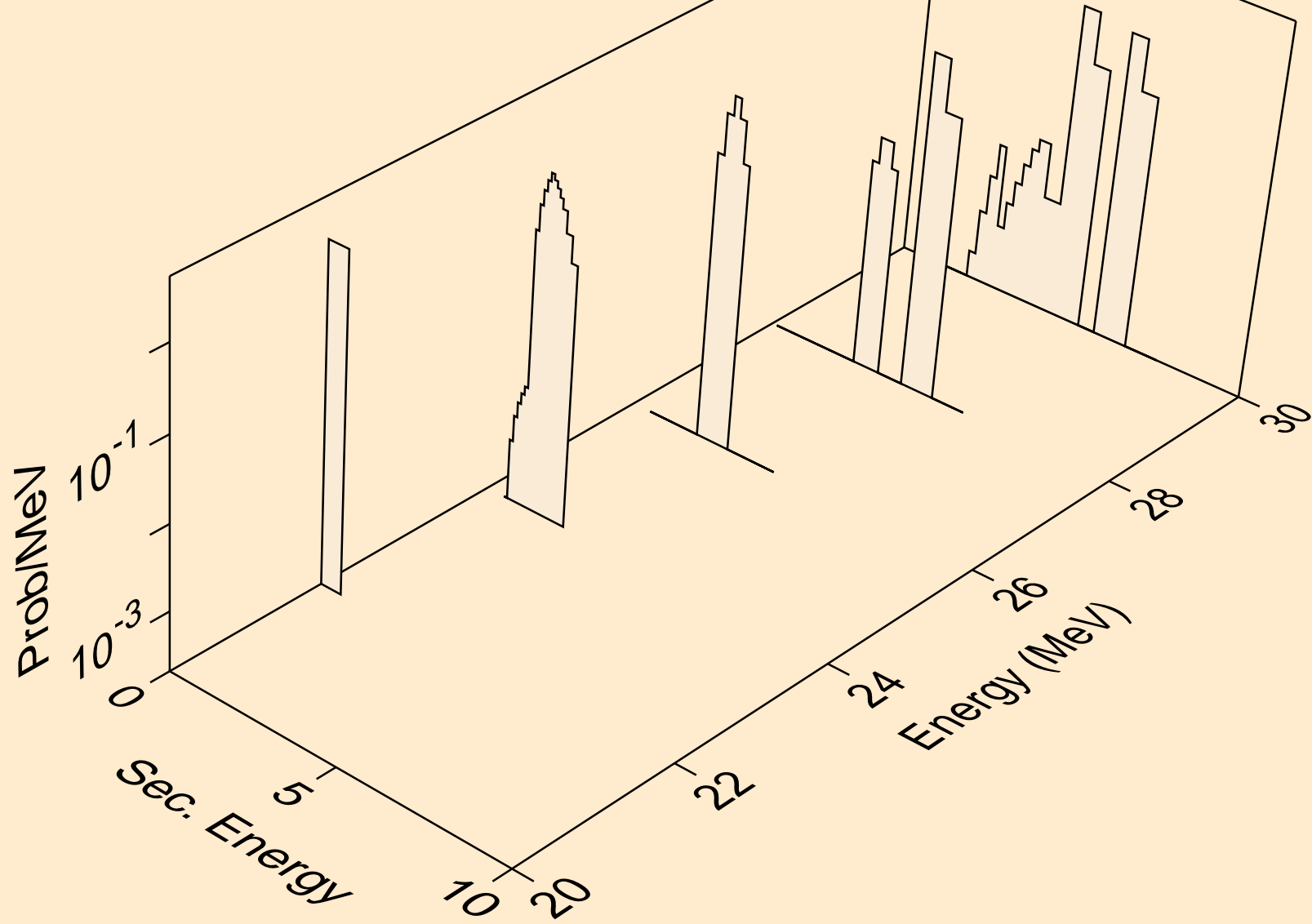
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tritons from (n,t)



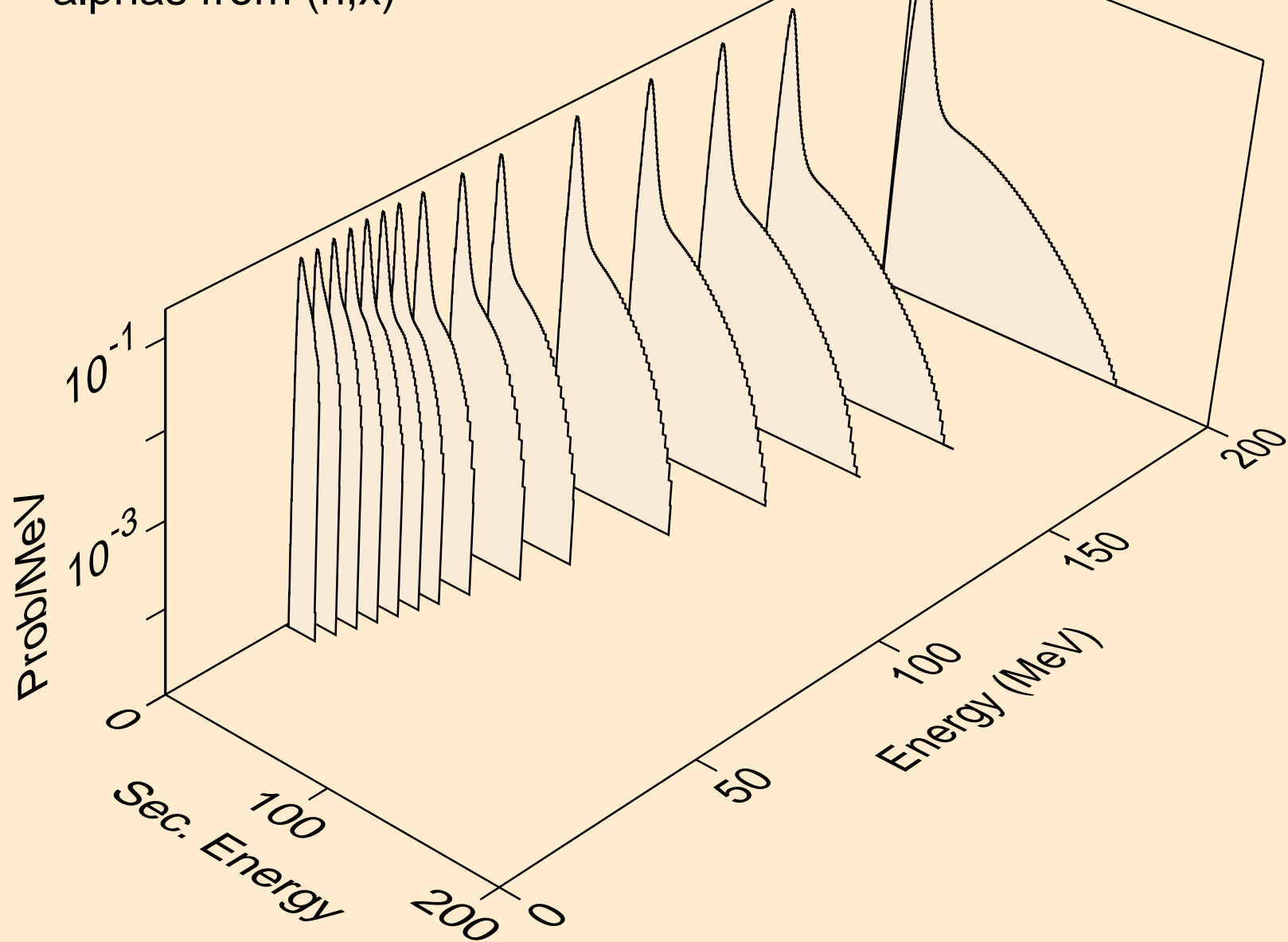
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,he3)

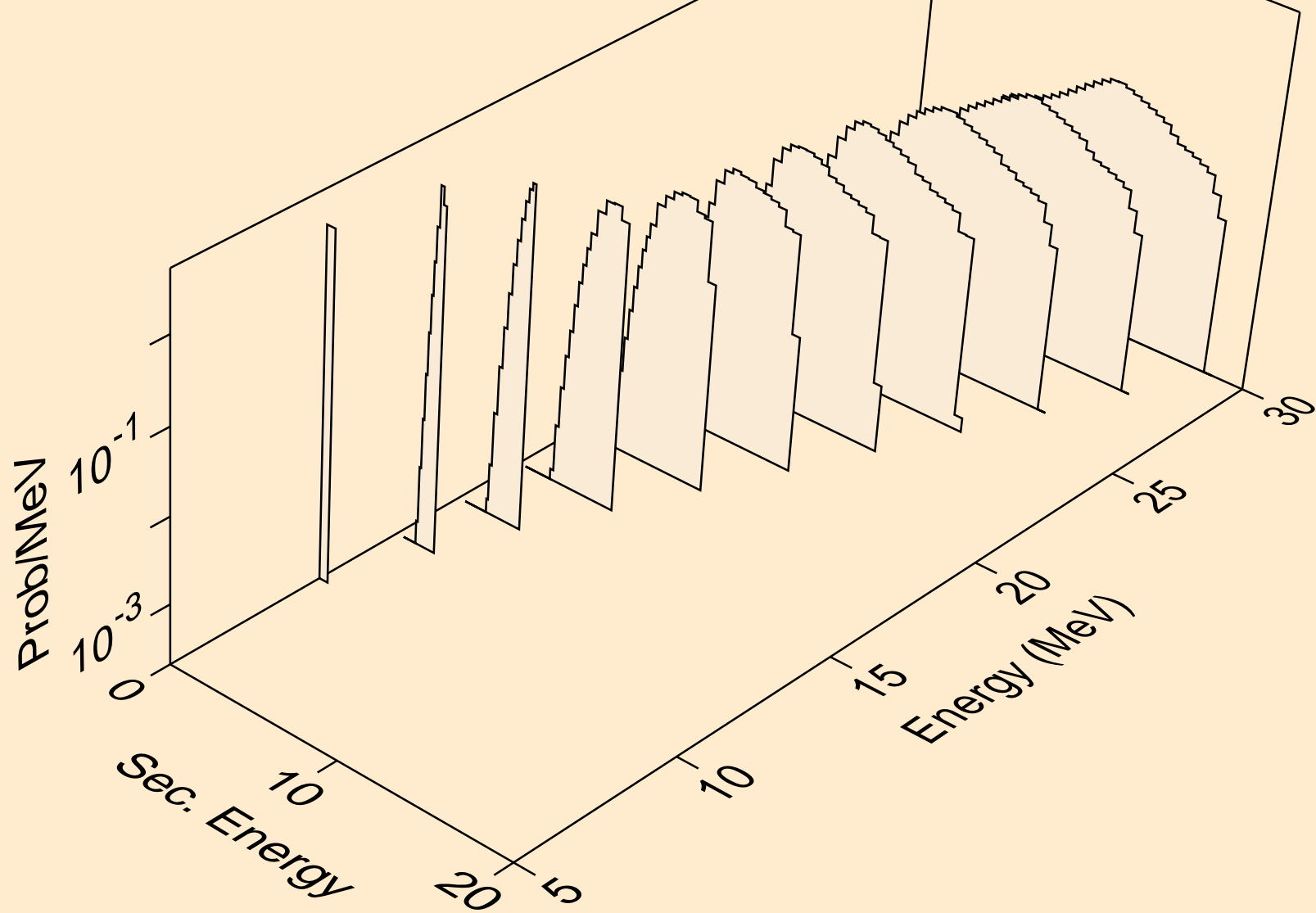


S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)

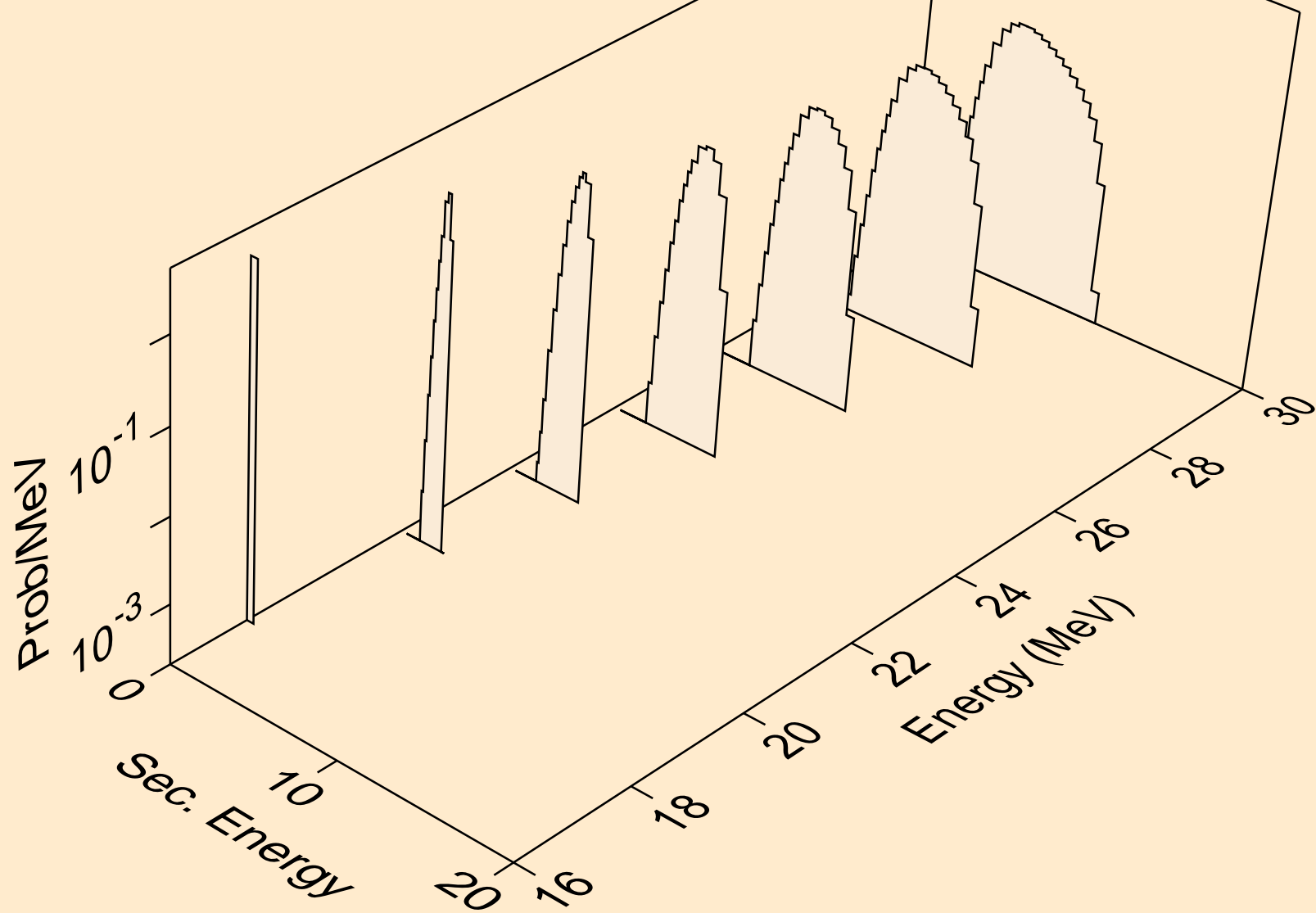




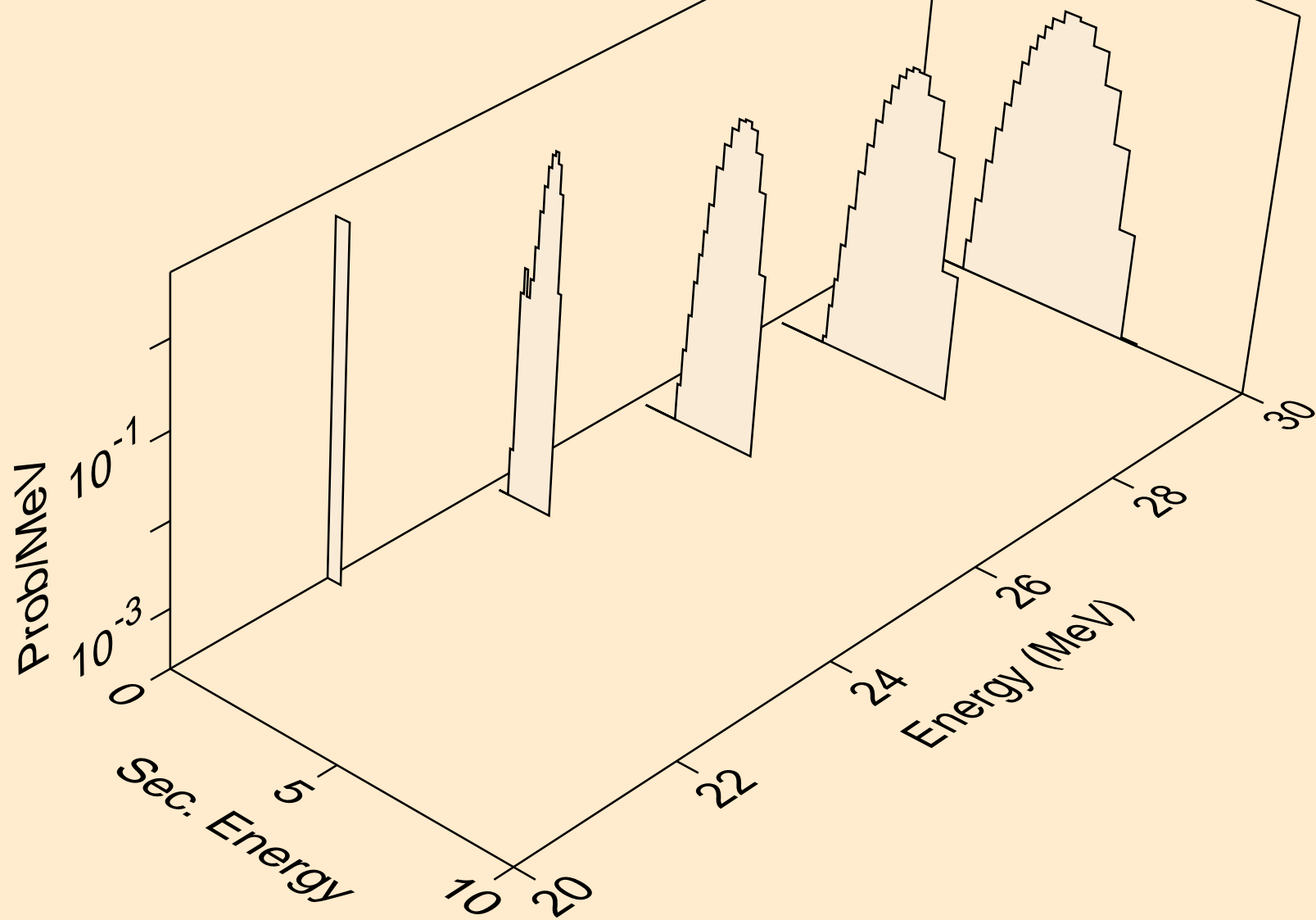
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alphas from (n,n\*)a



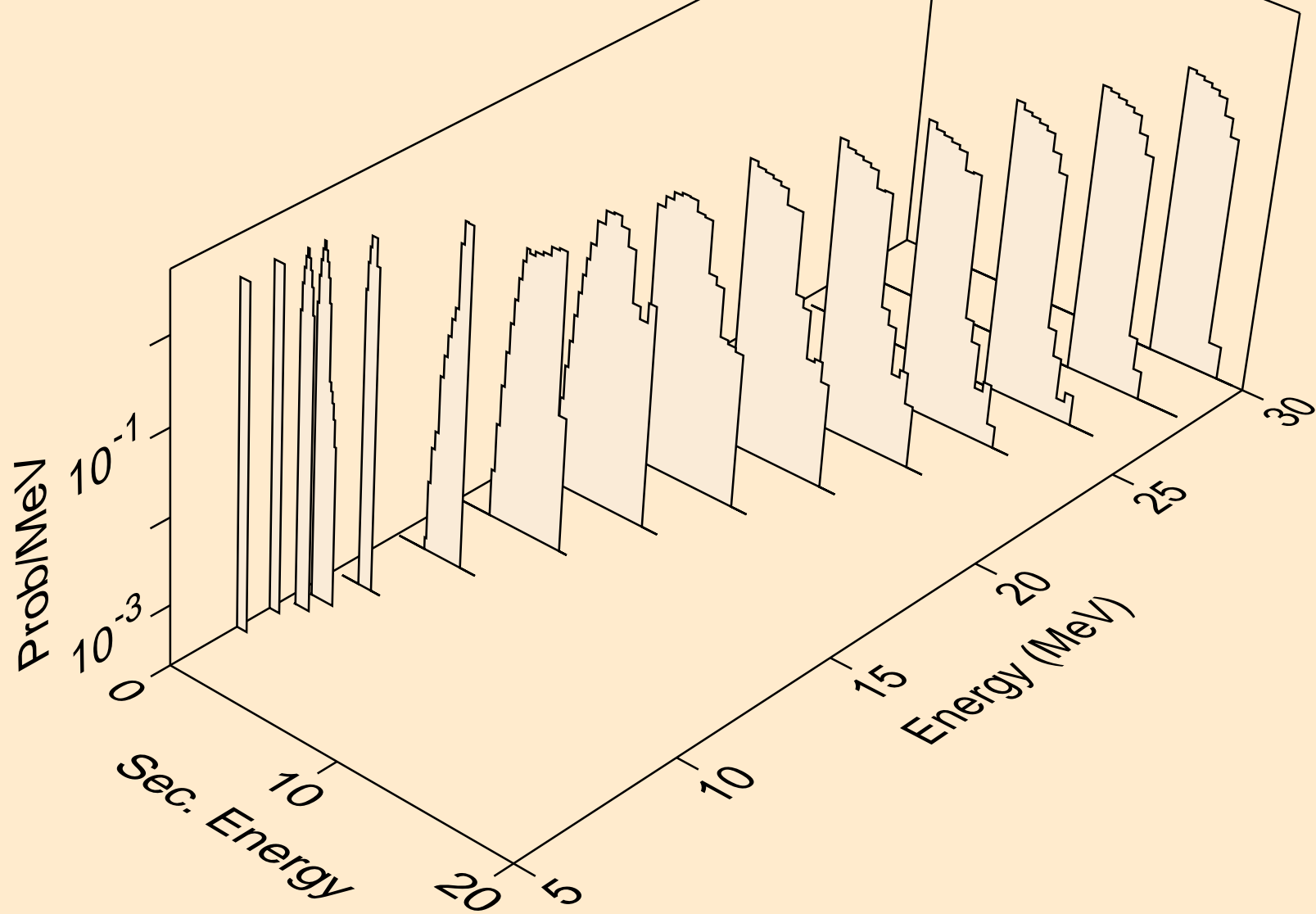
S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



S038 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)

