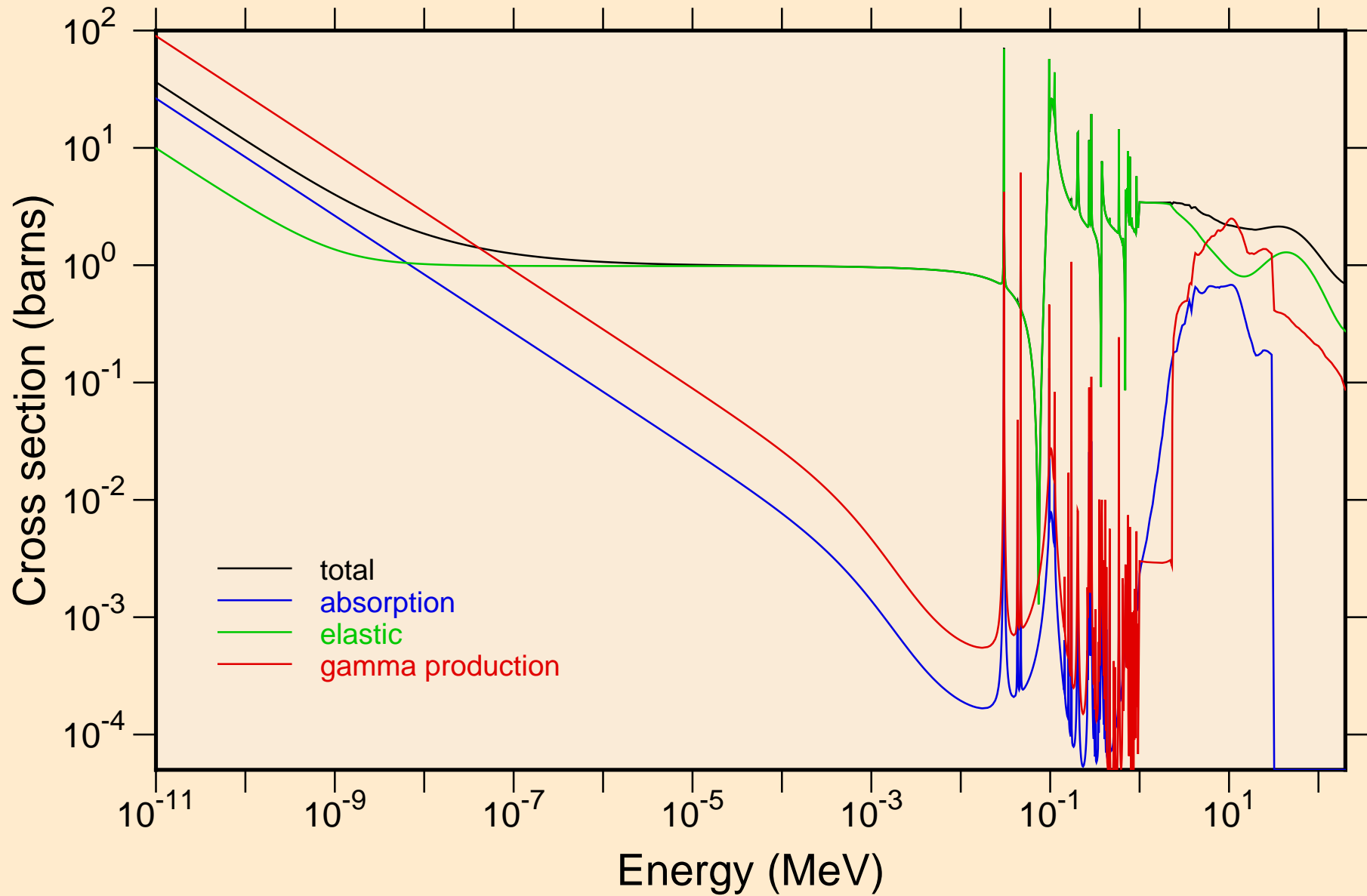
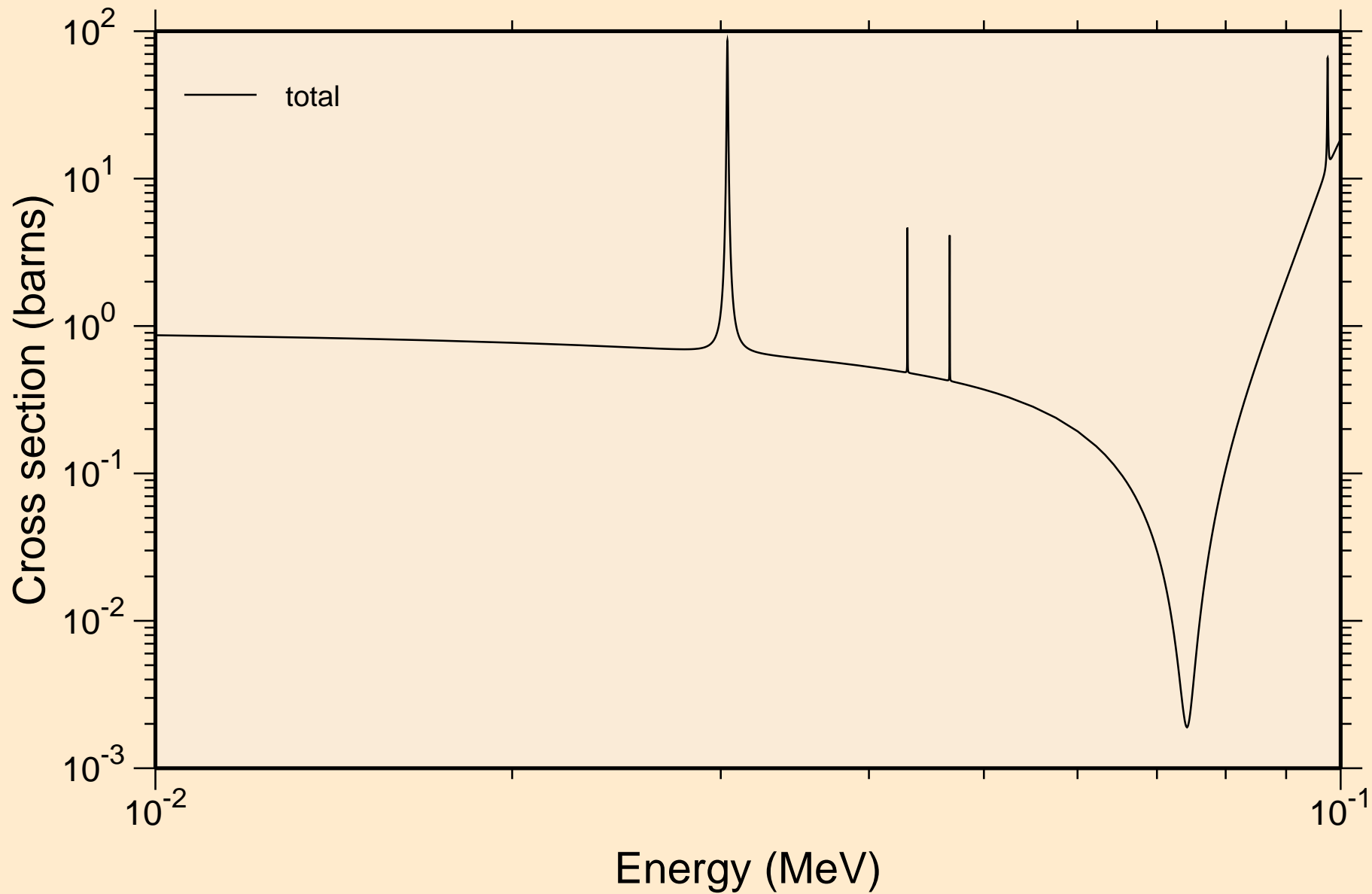


# S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

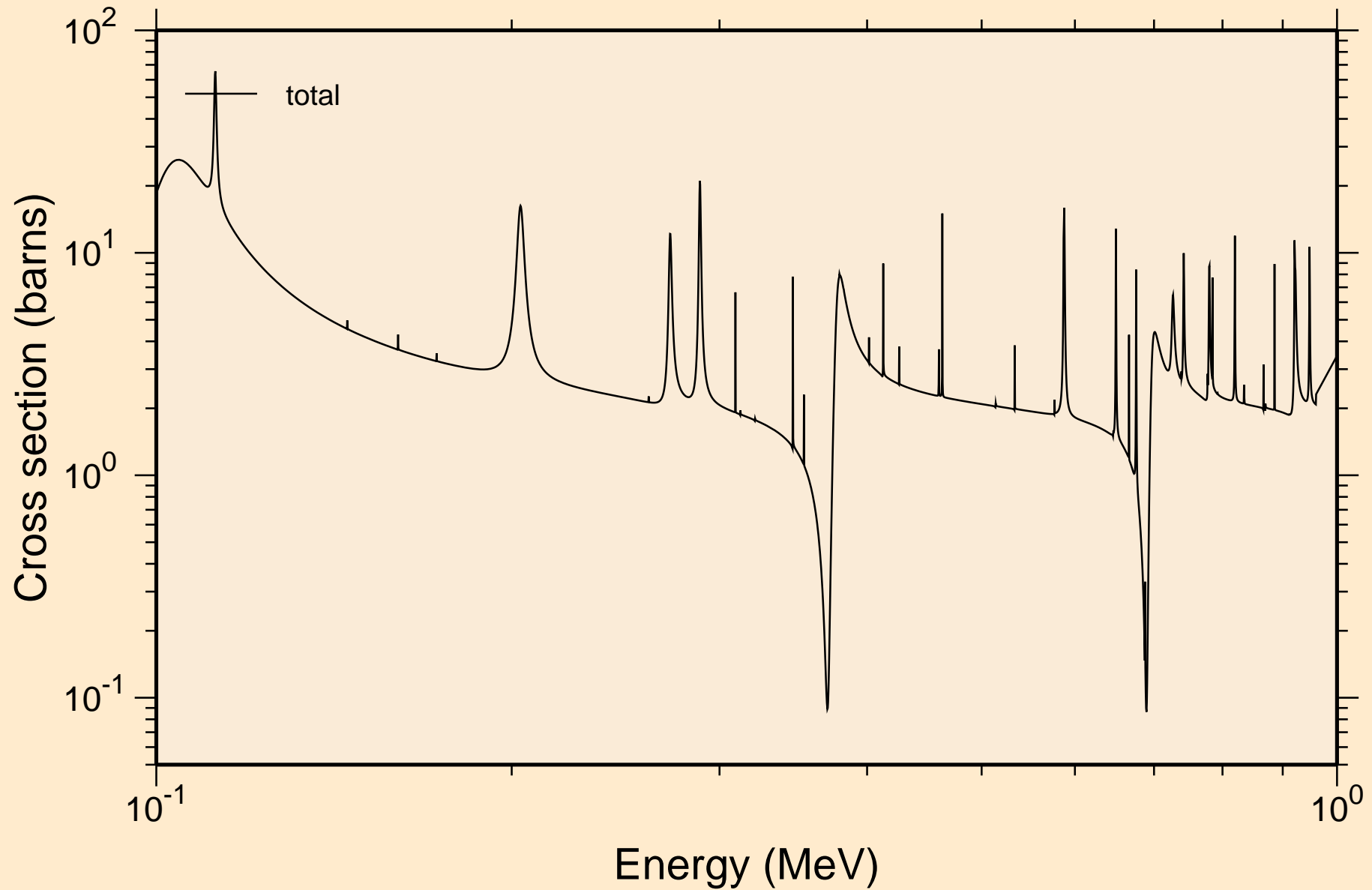
## Principal cross sections



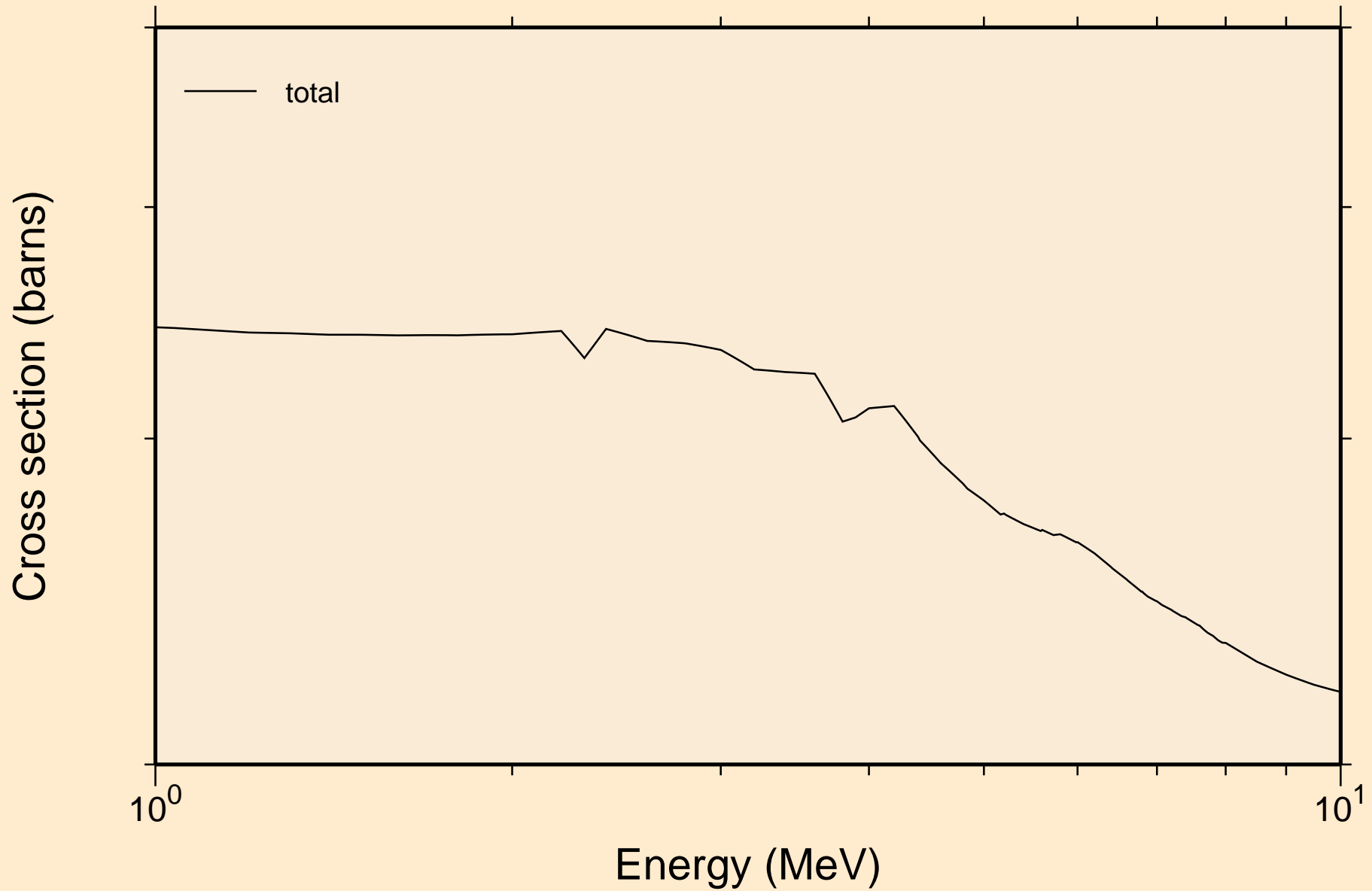
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



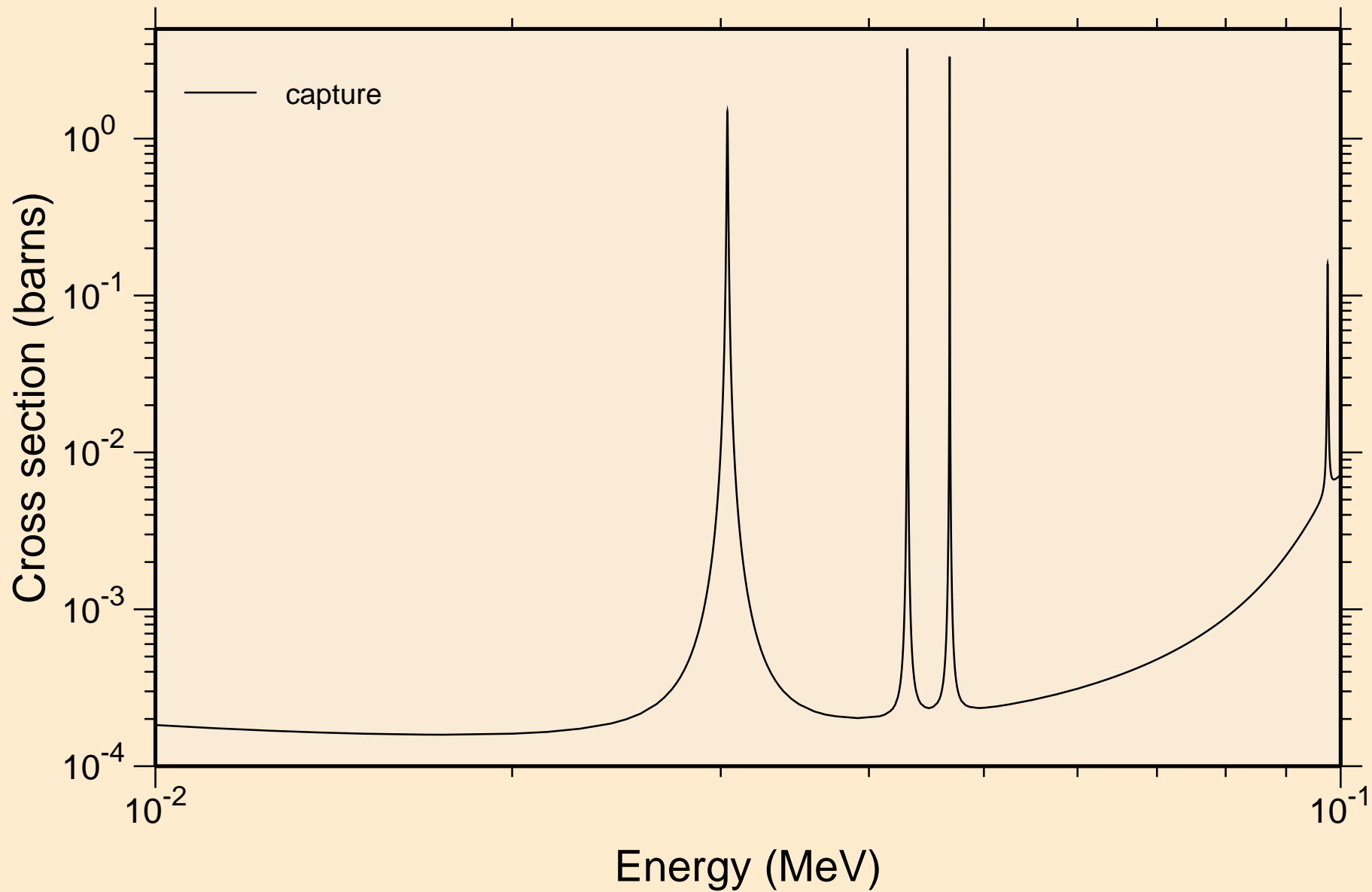
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



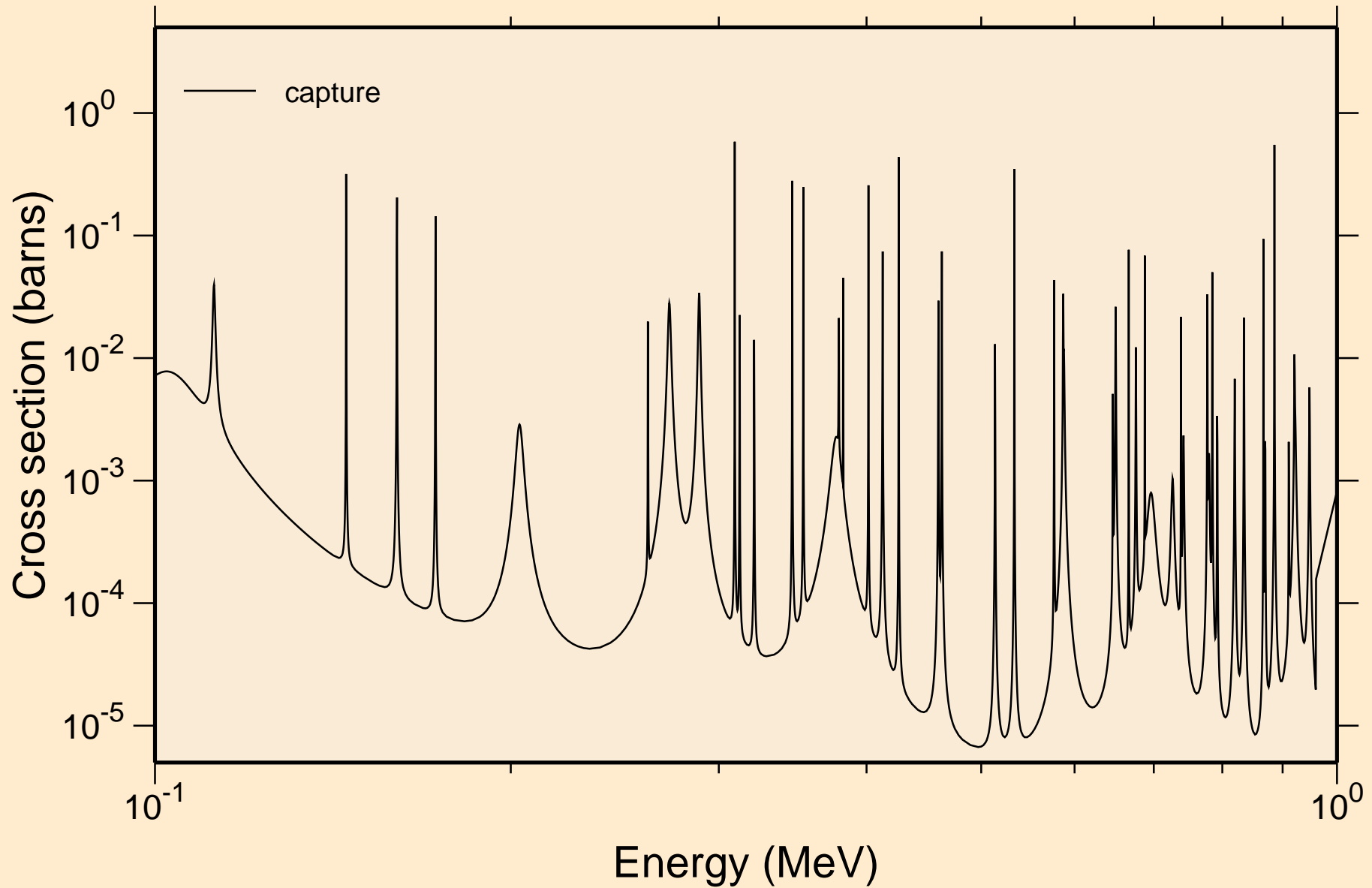
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



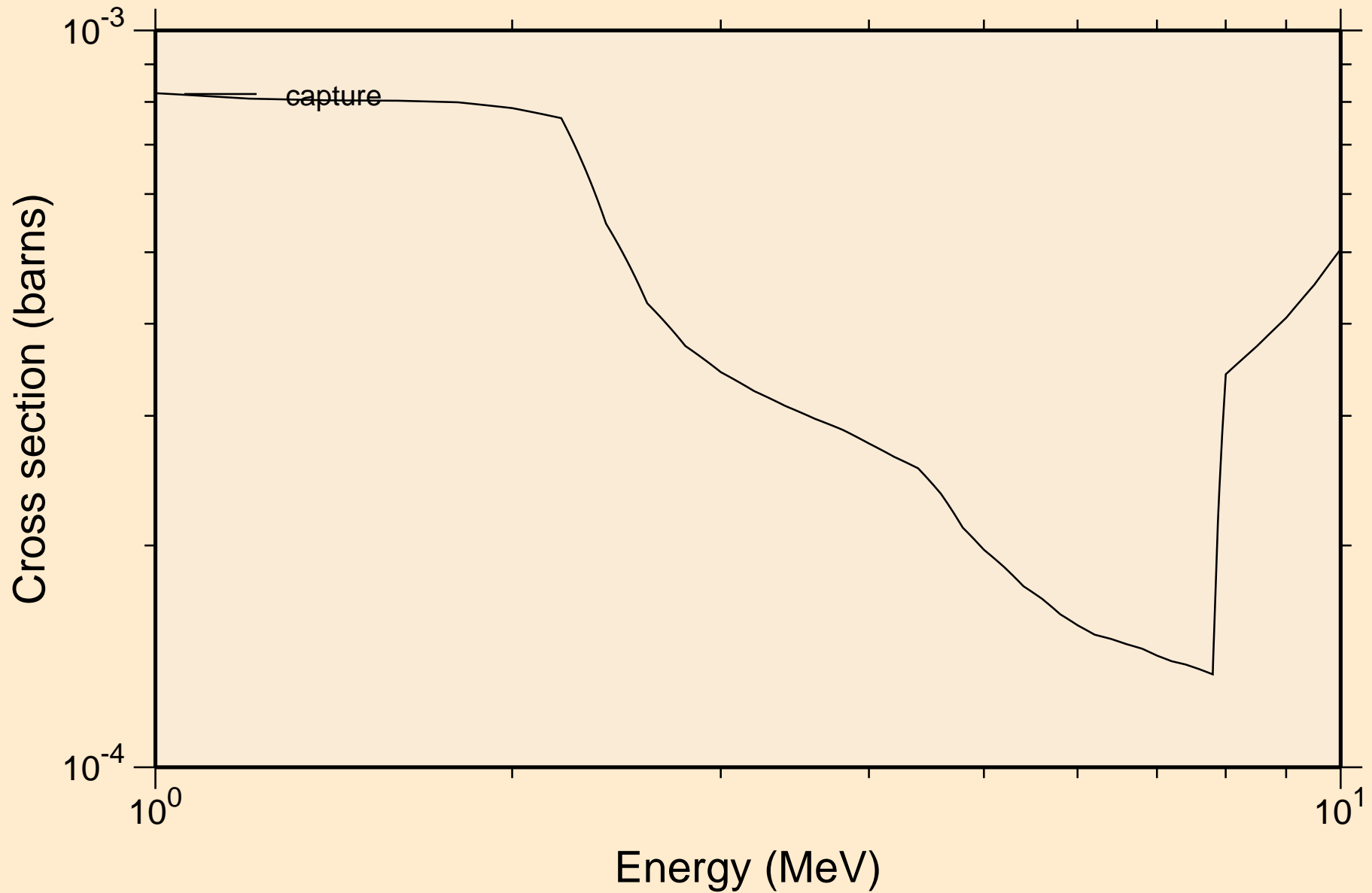
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

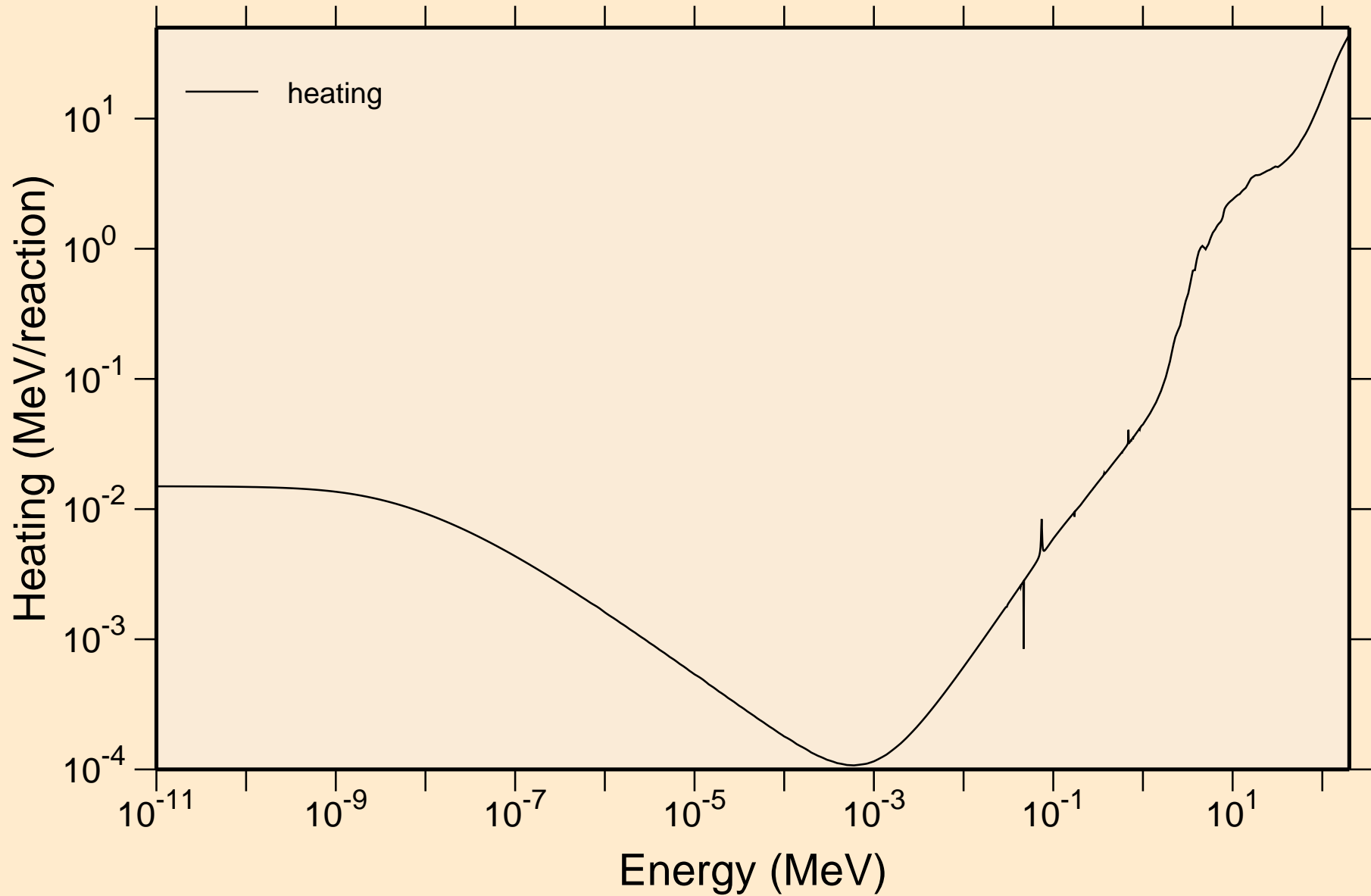


S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



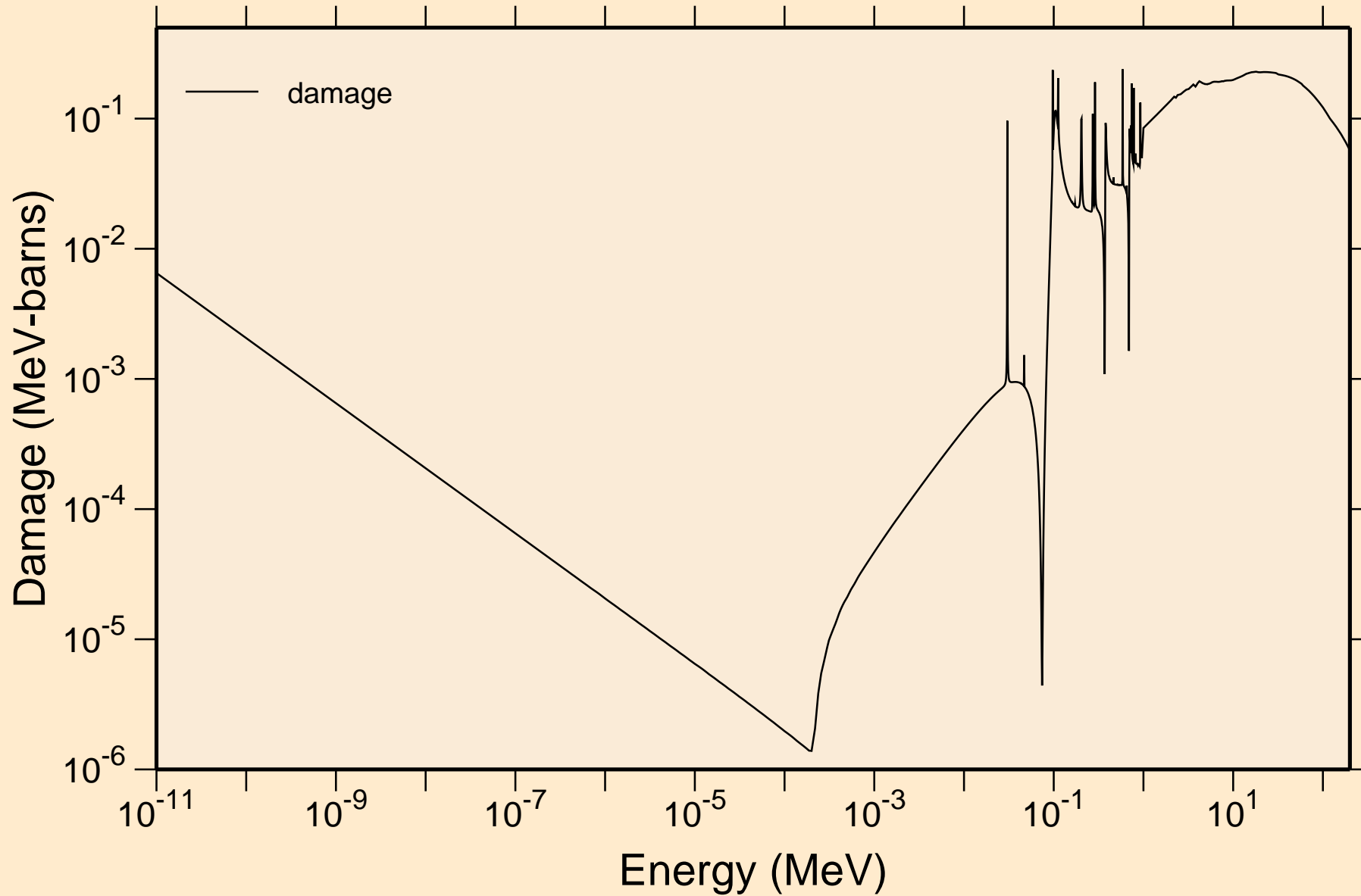
# S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Heating

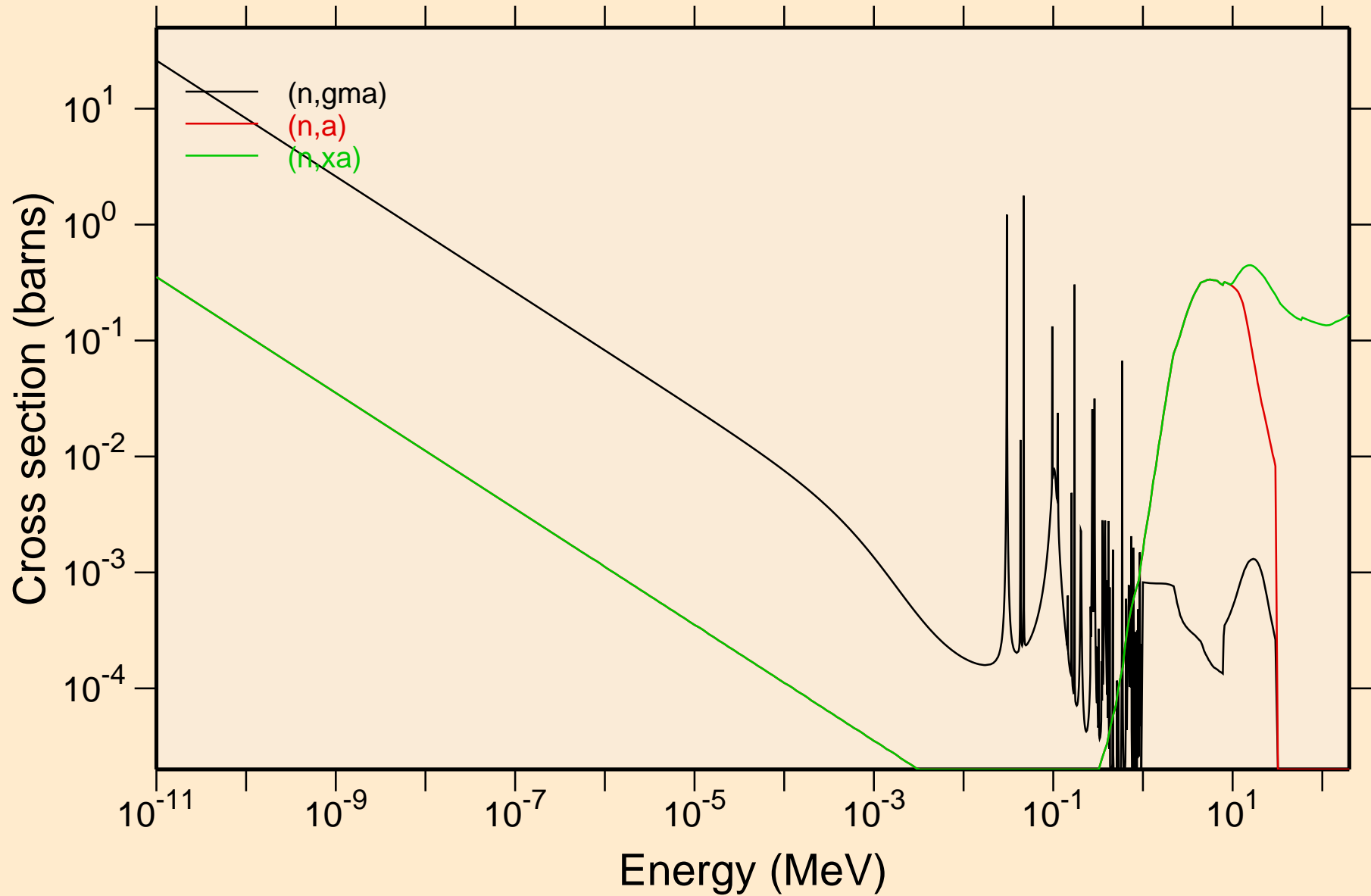




S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

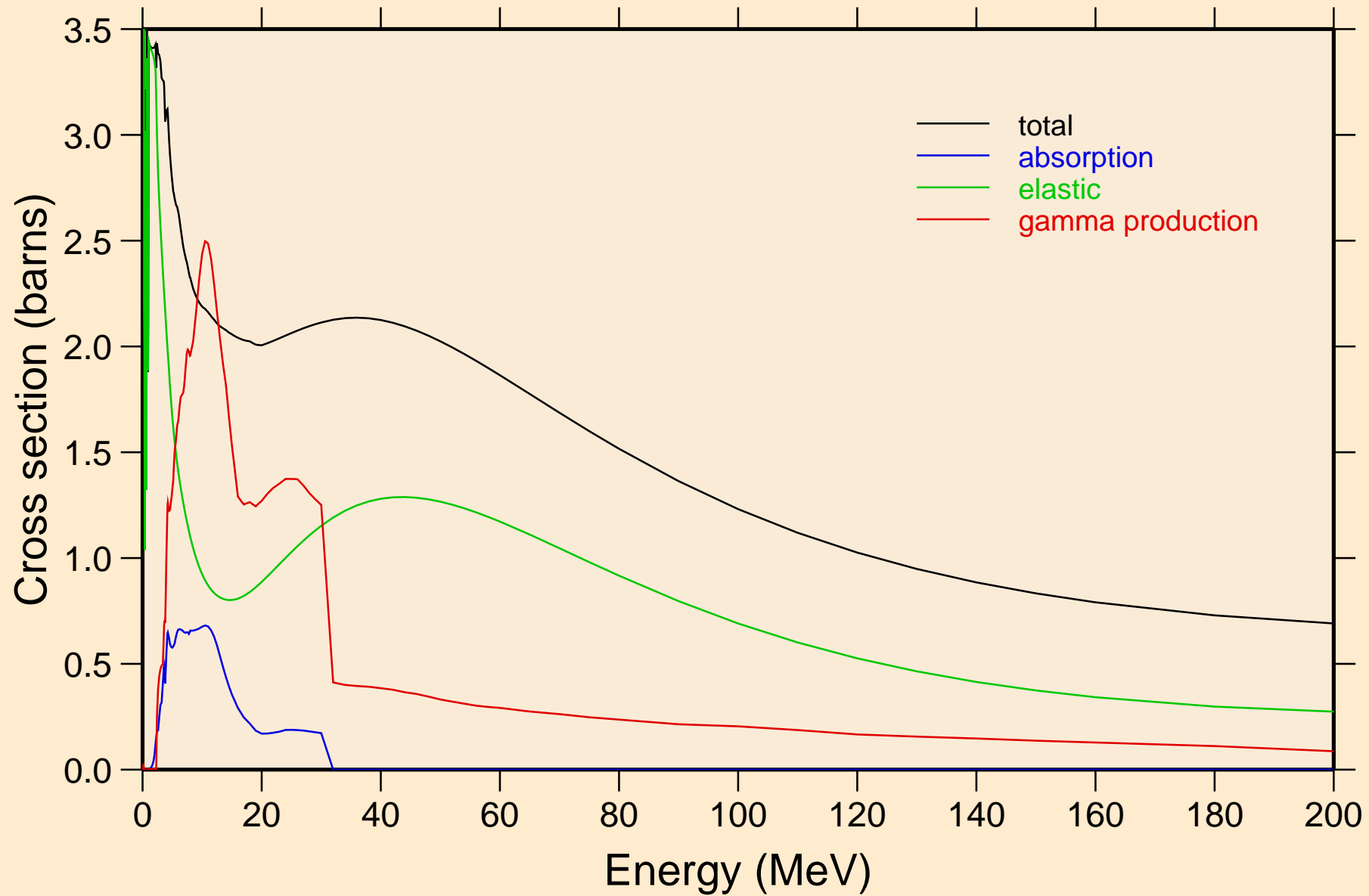


S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



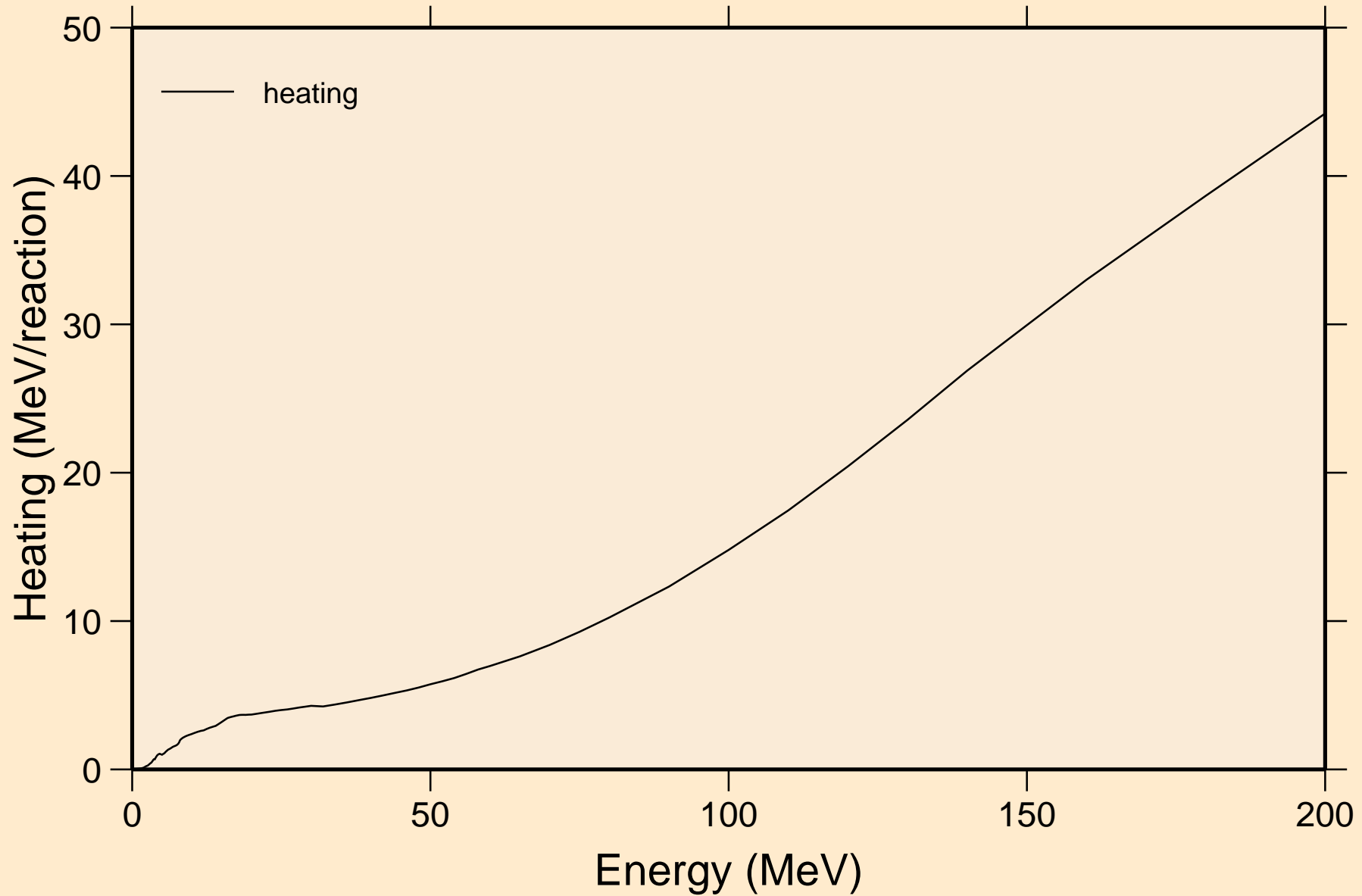
# S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Principal cross sections



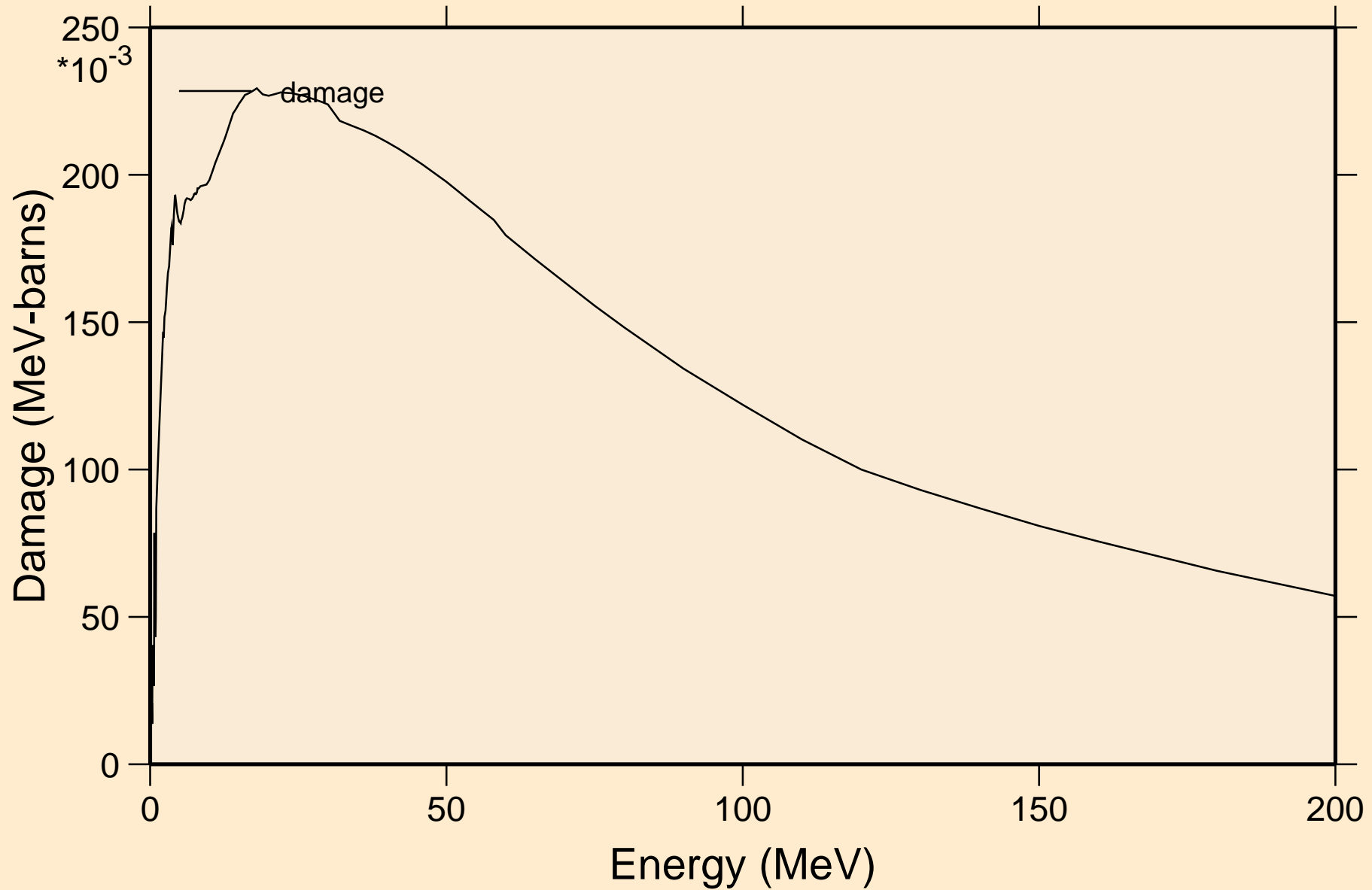
# S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Heating

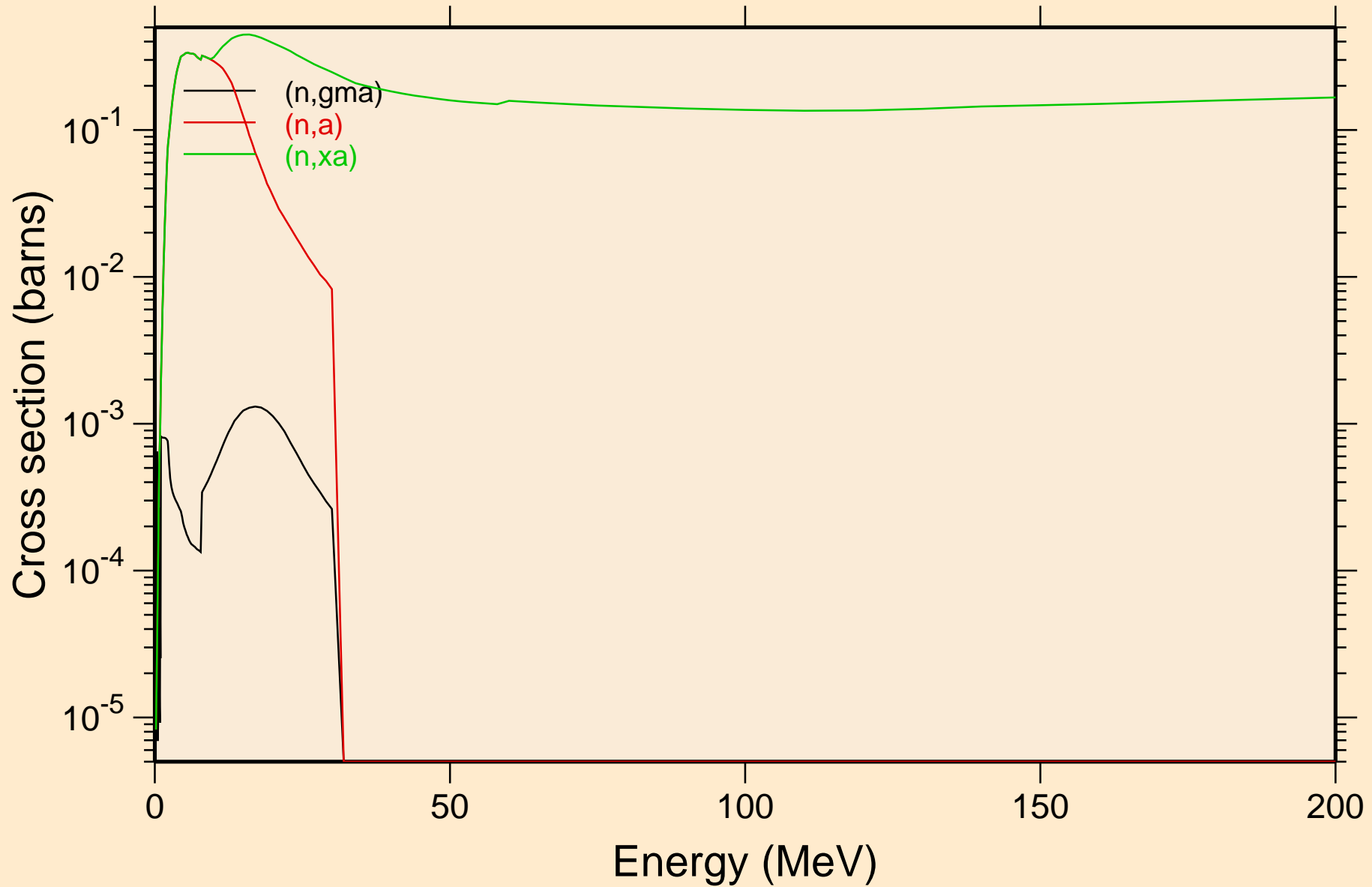


# S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

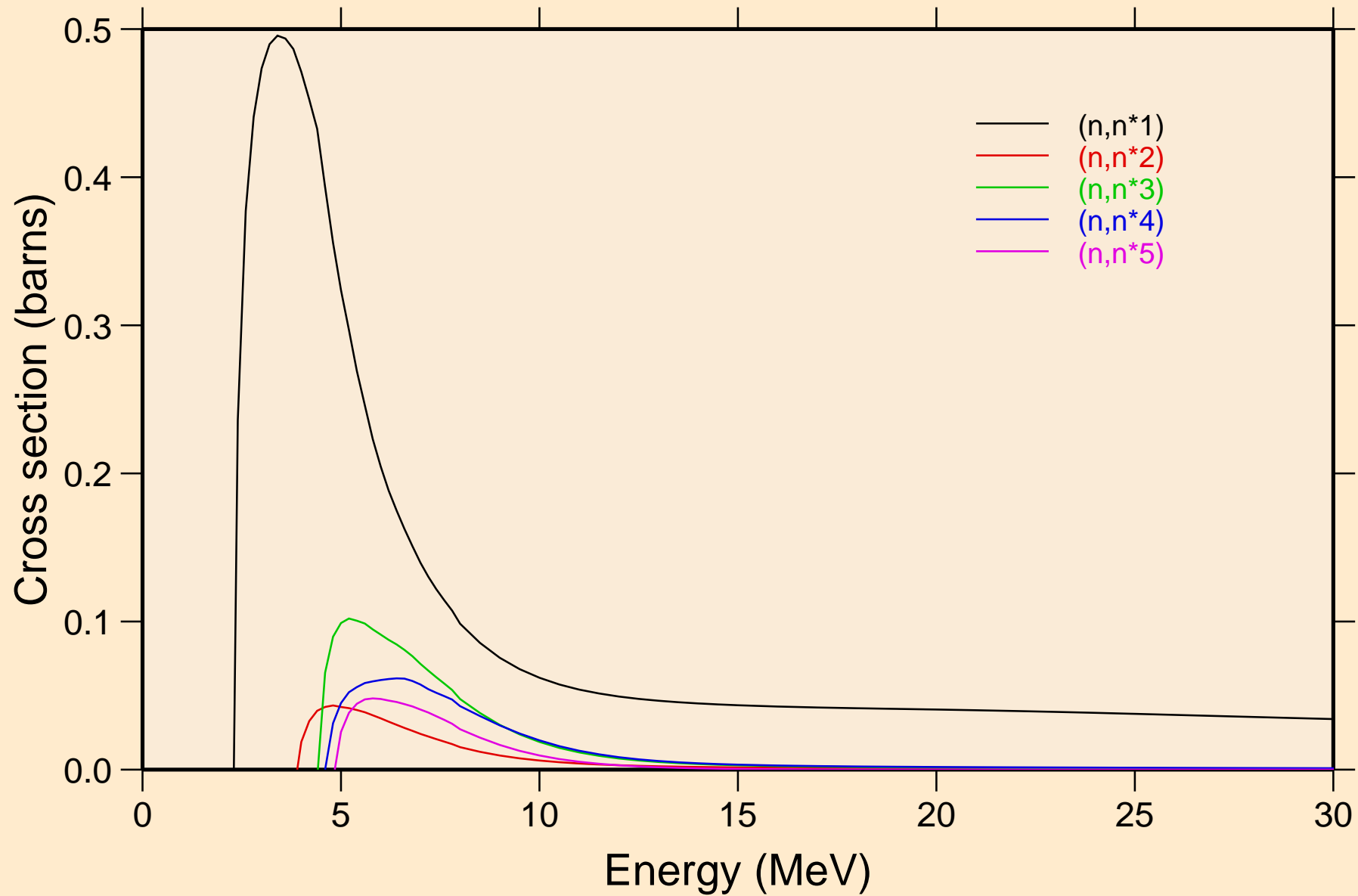
## Damage



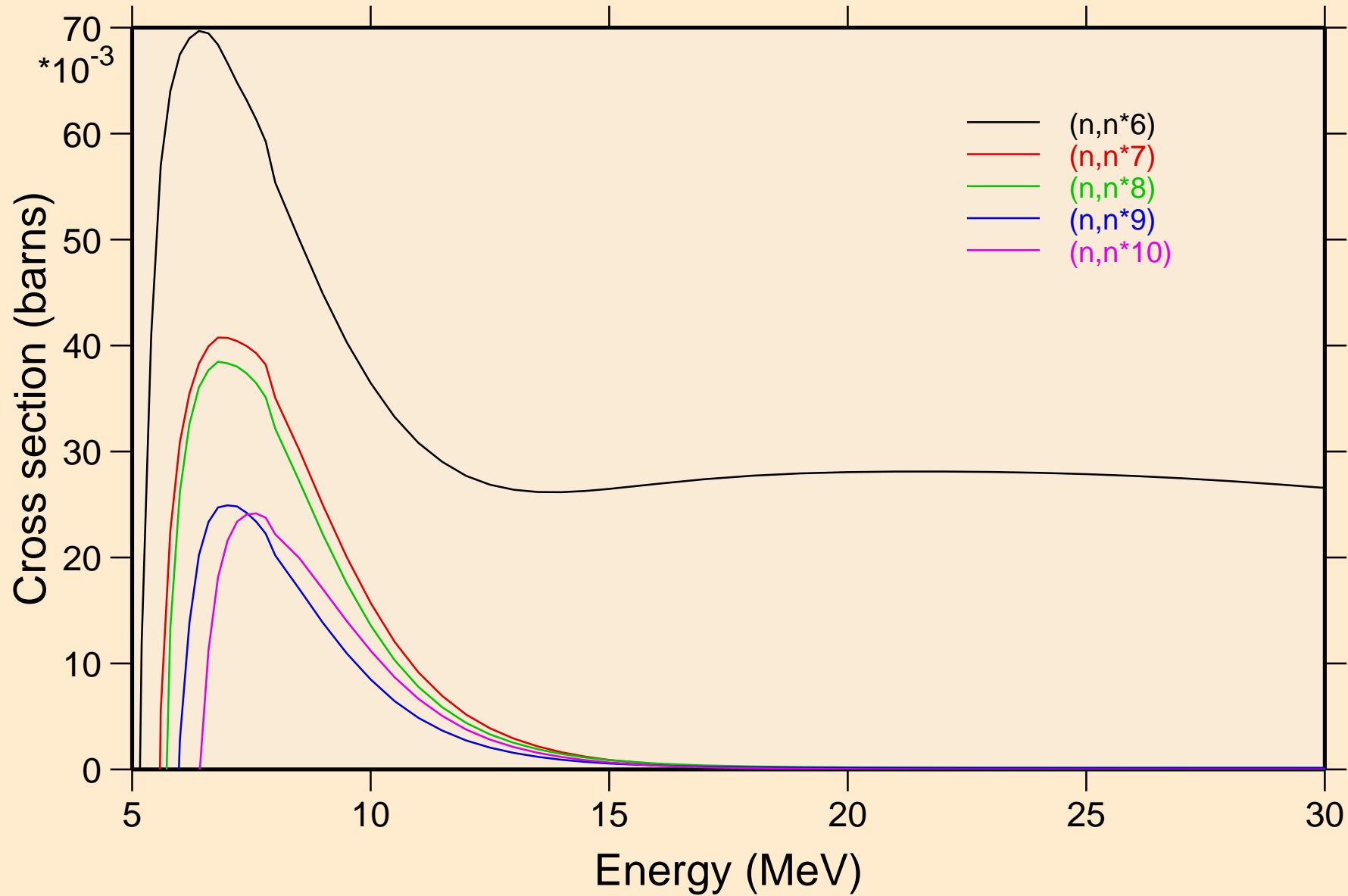
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

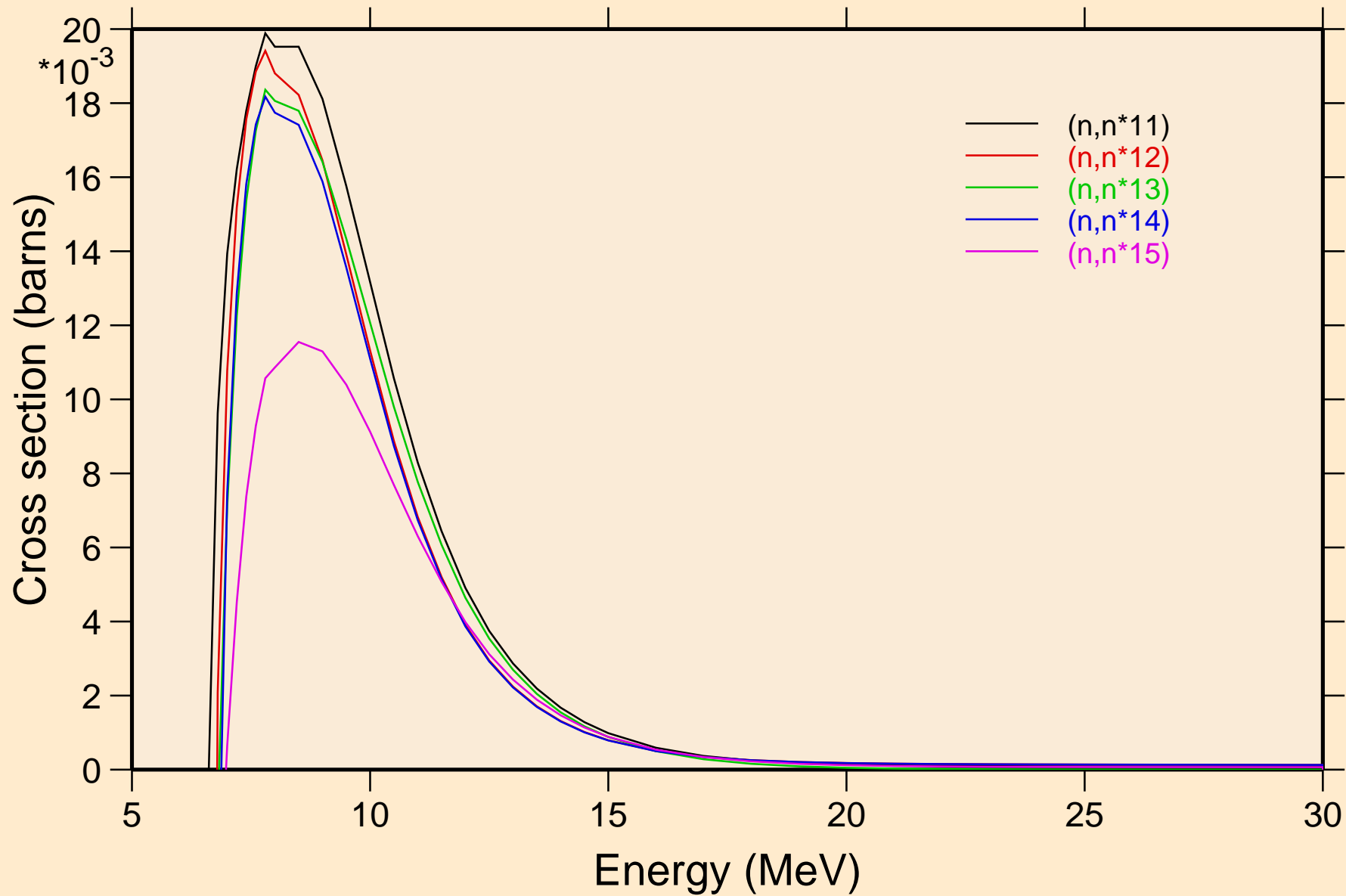


S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

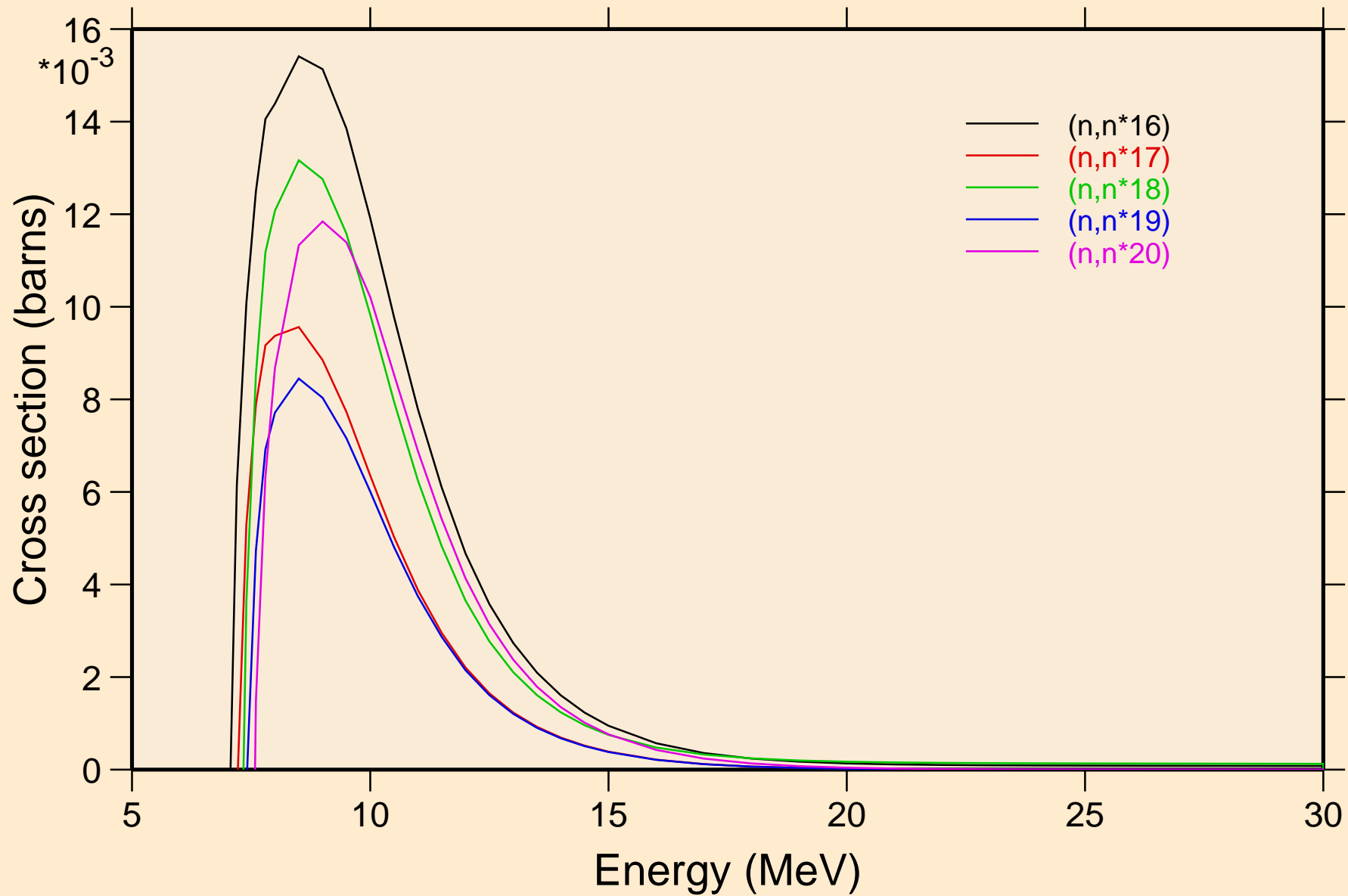




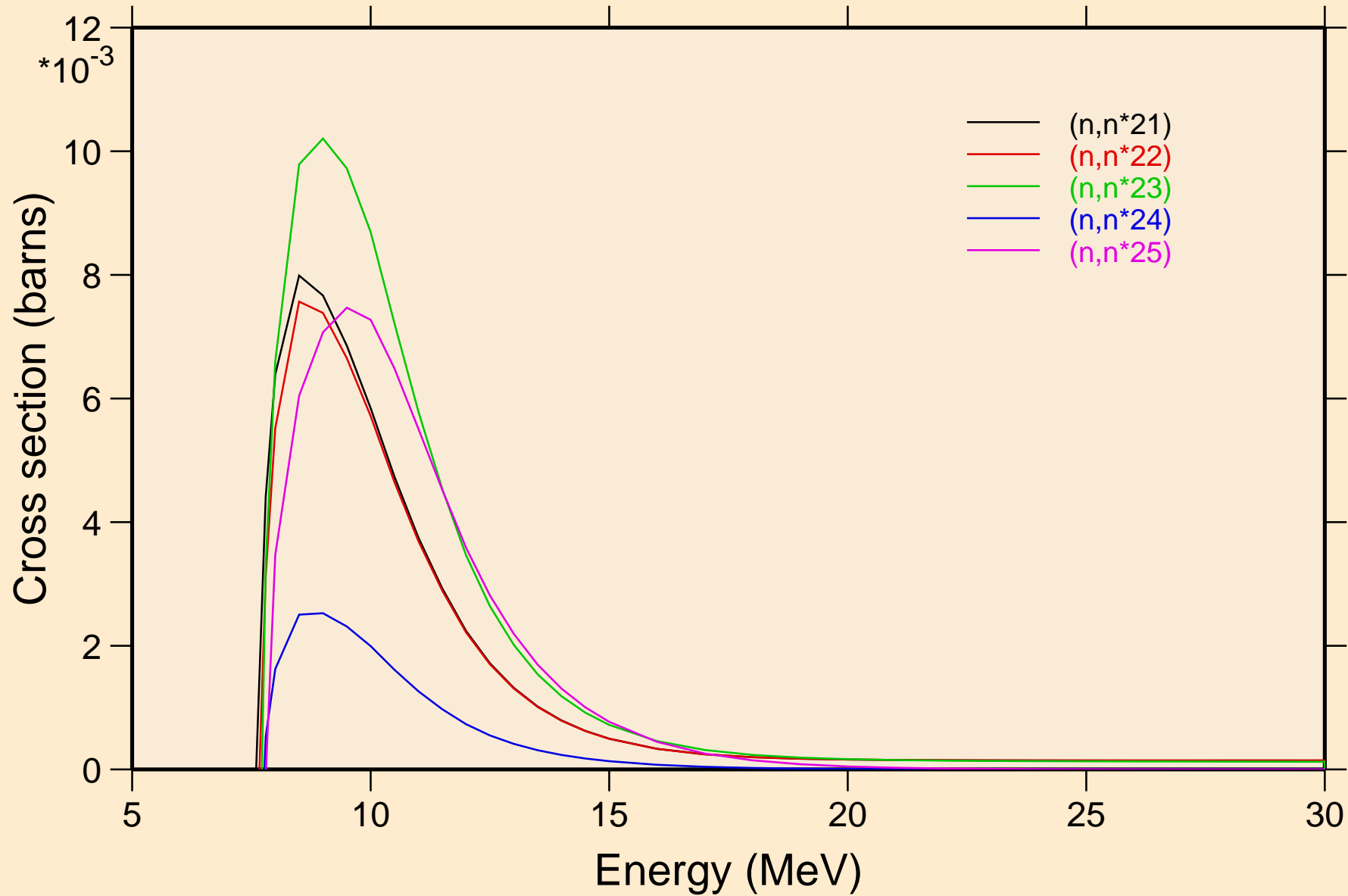
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



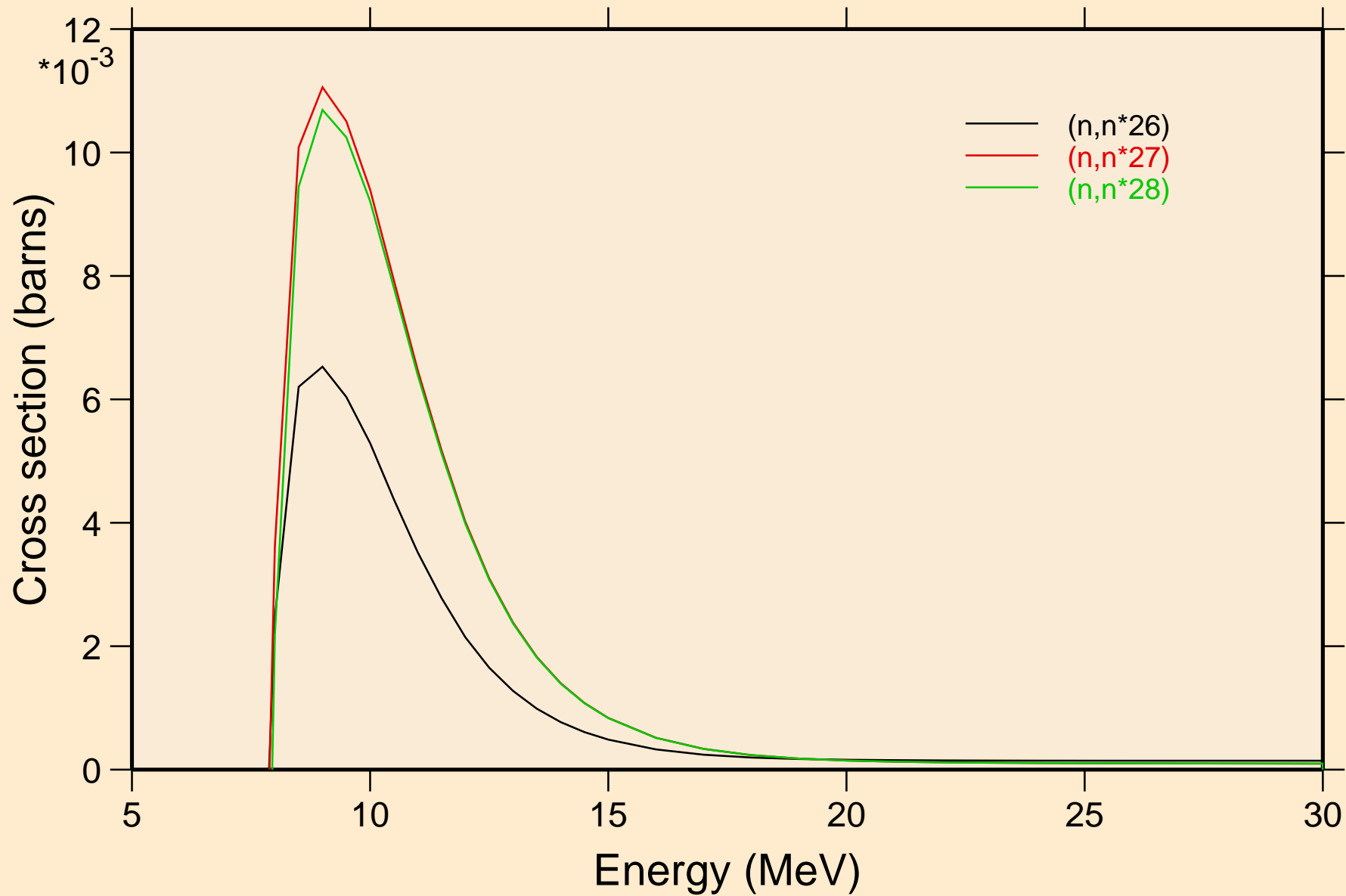
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



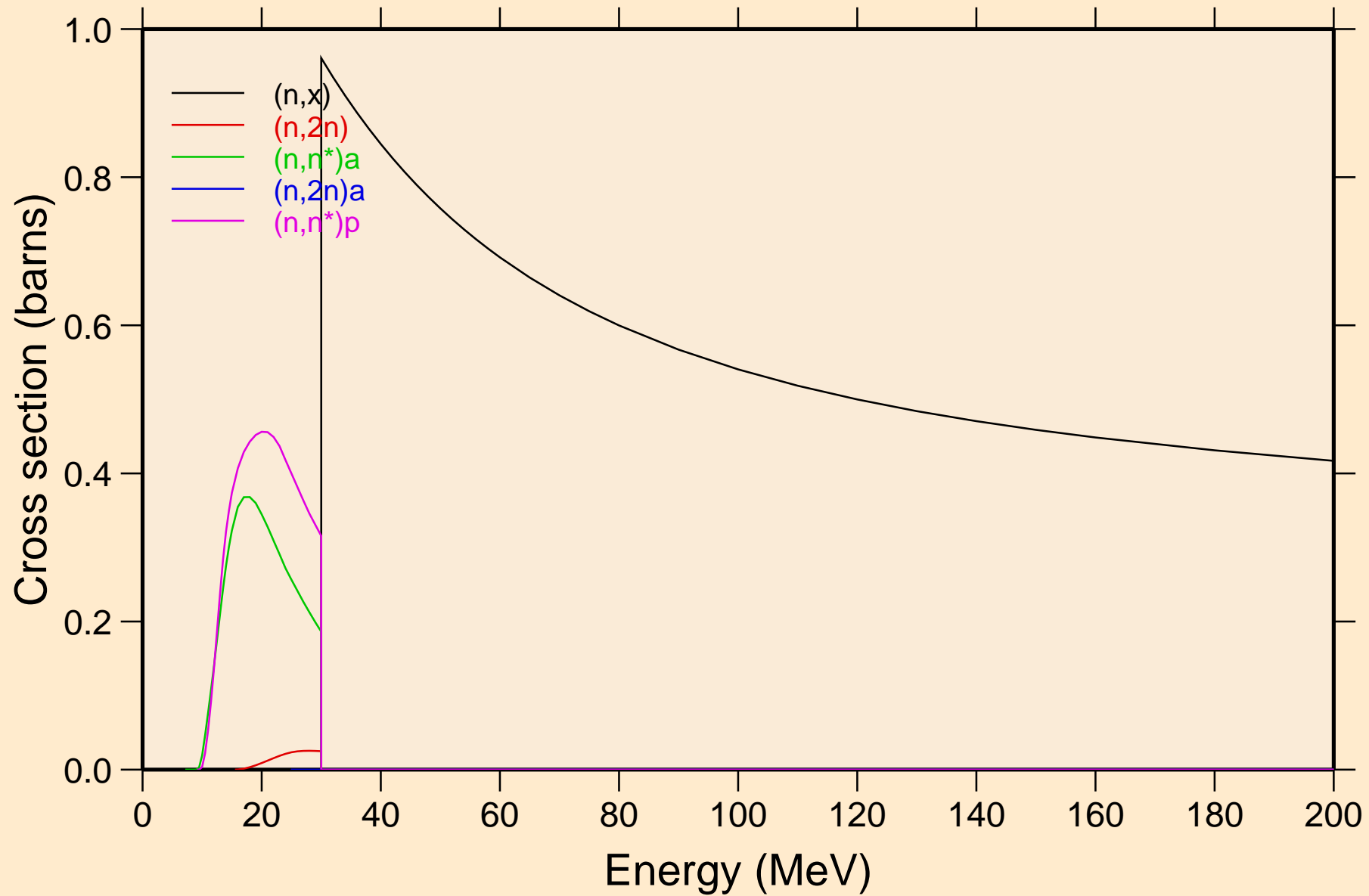
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

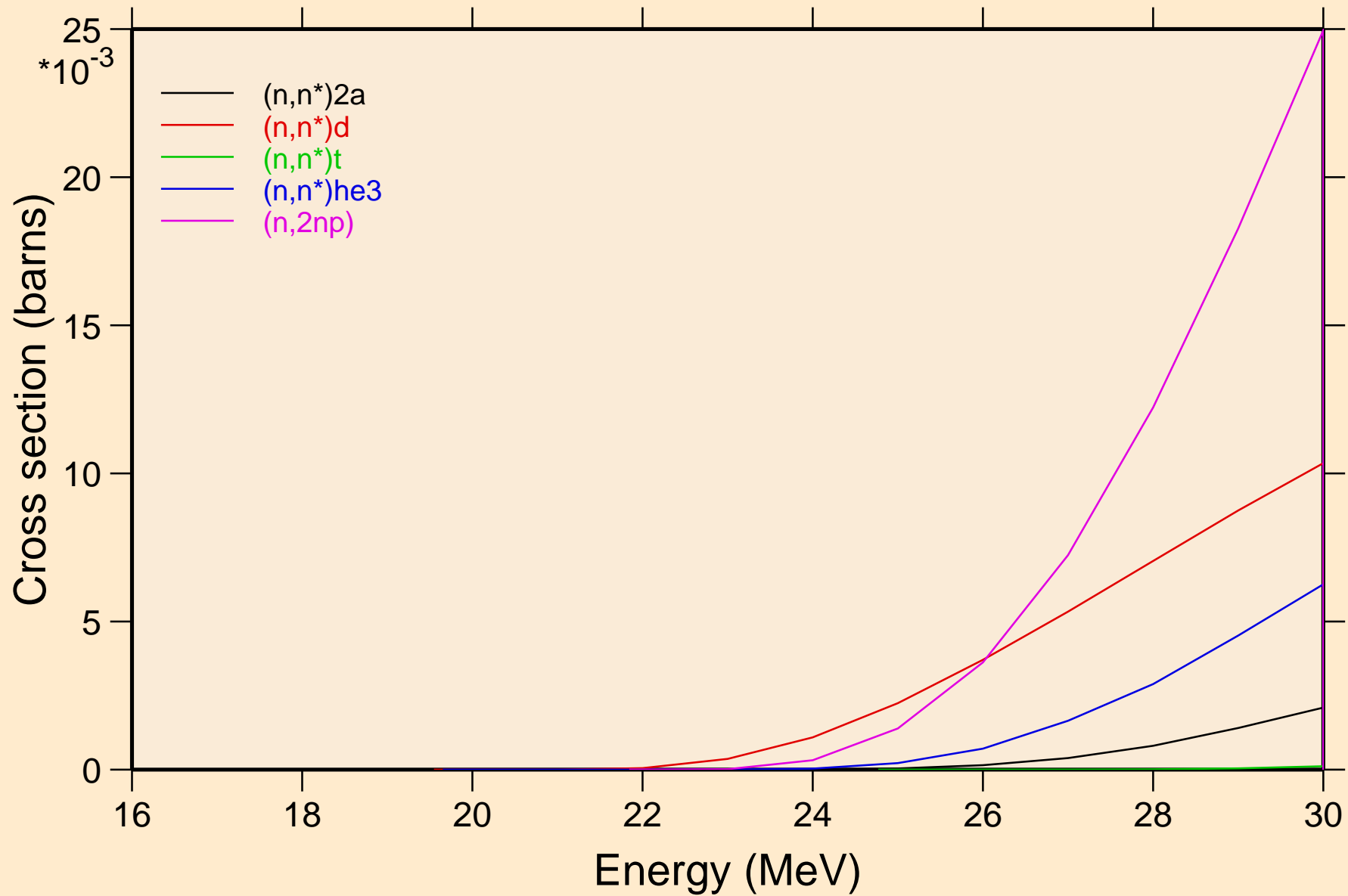


S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



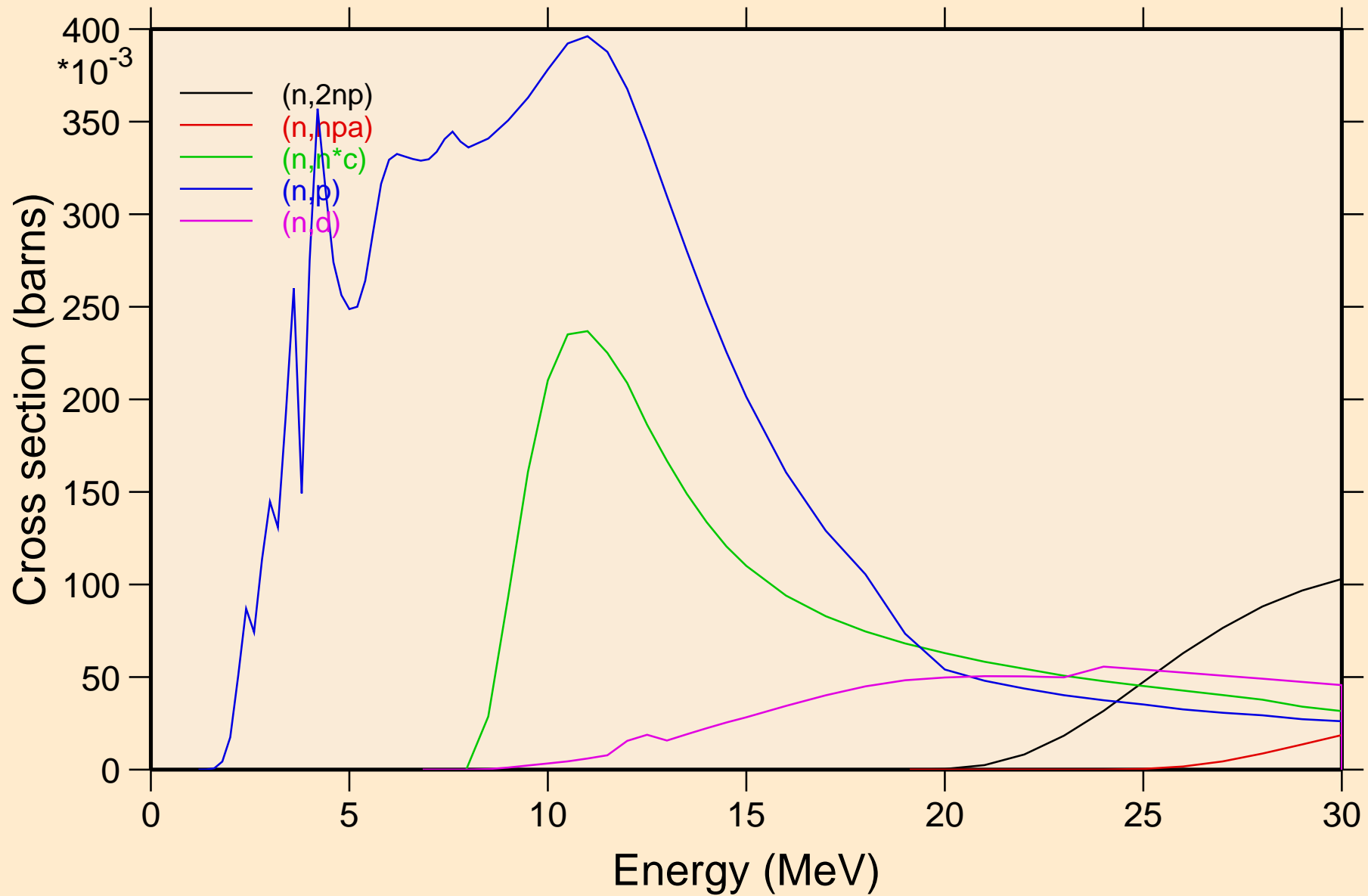
# S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions

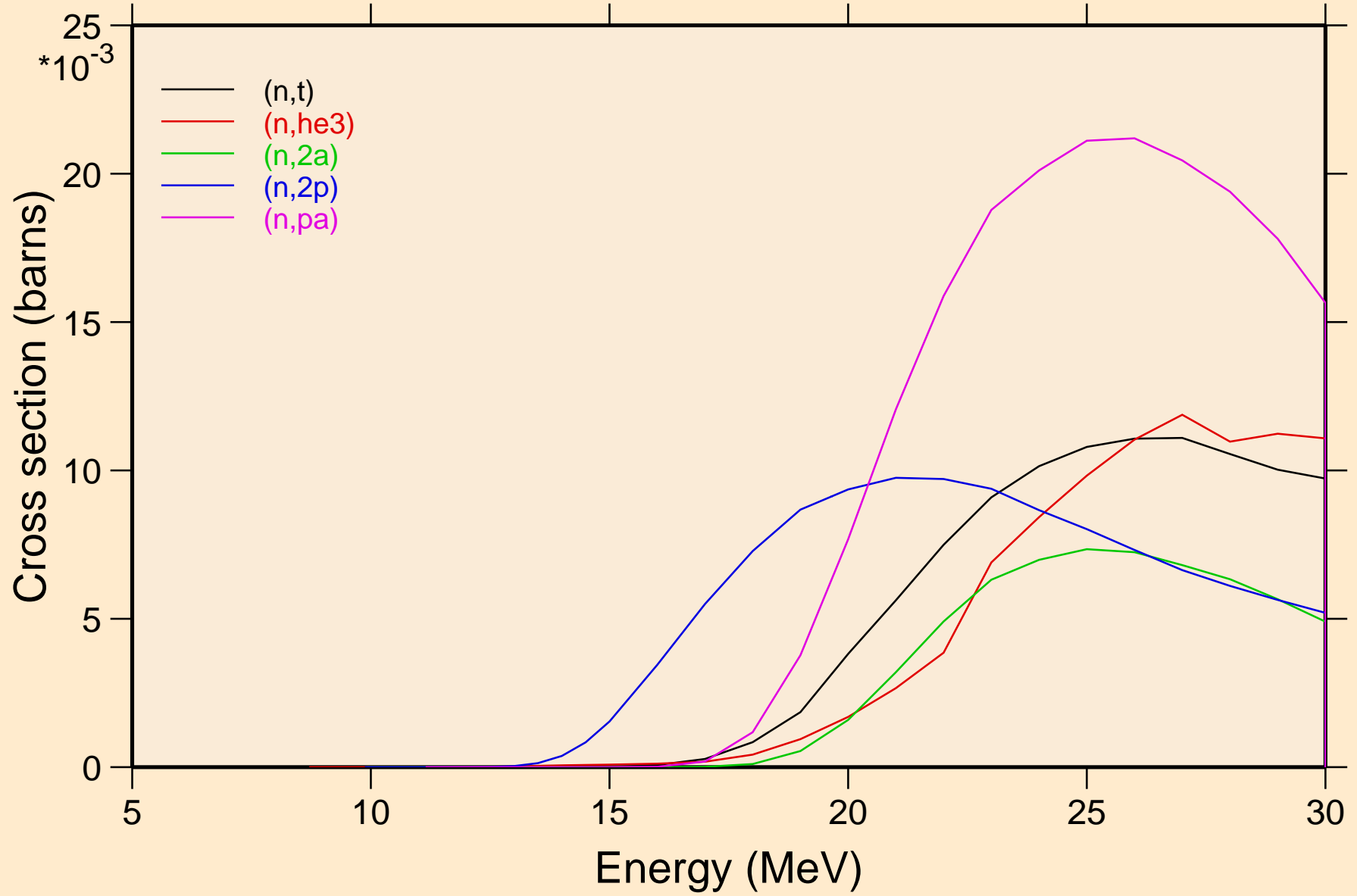


# S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions

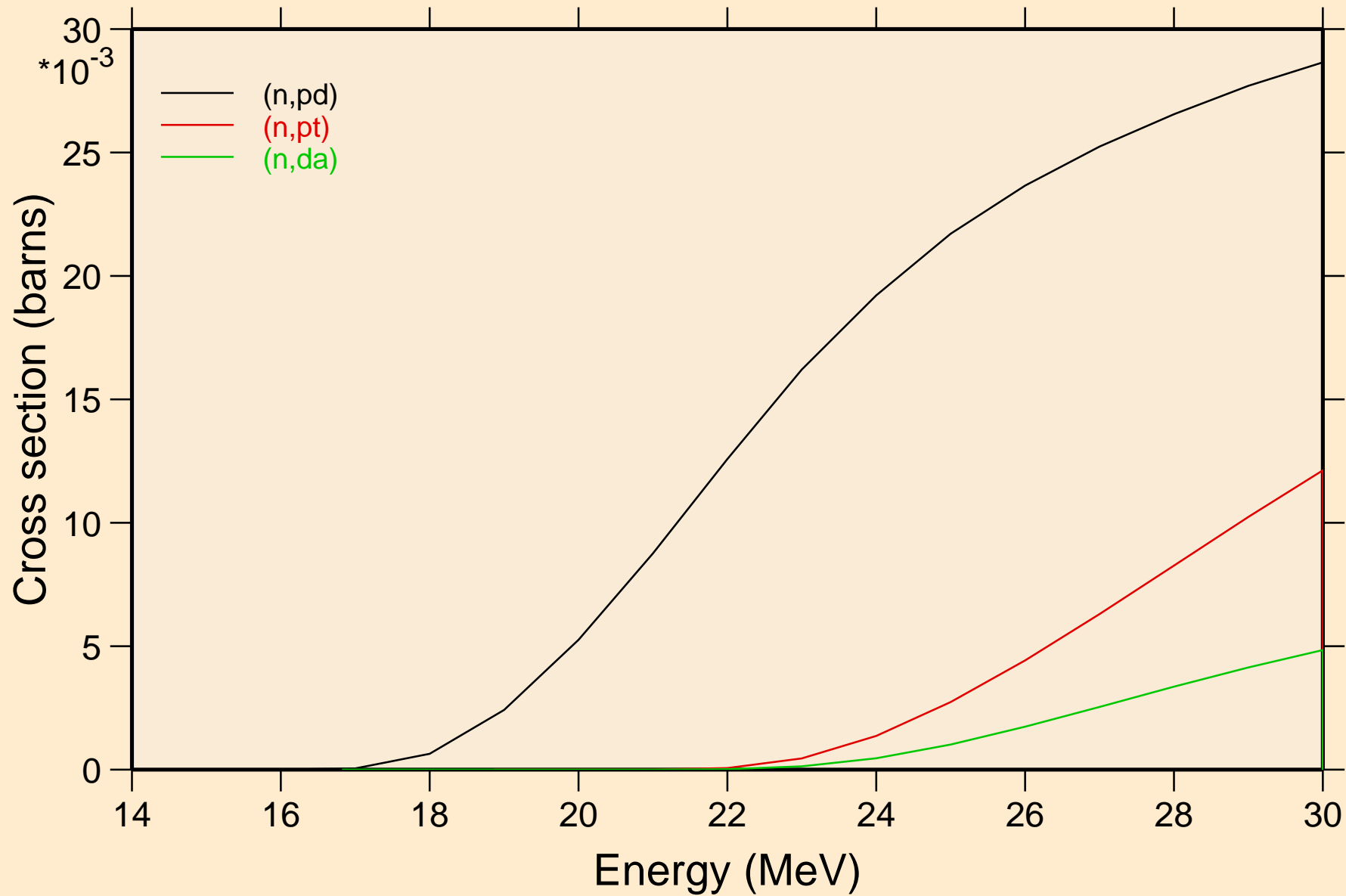


S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

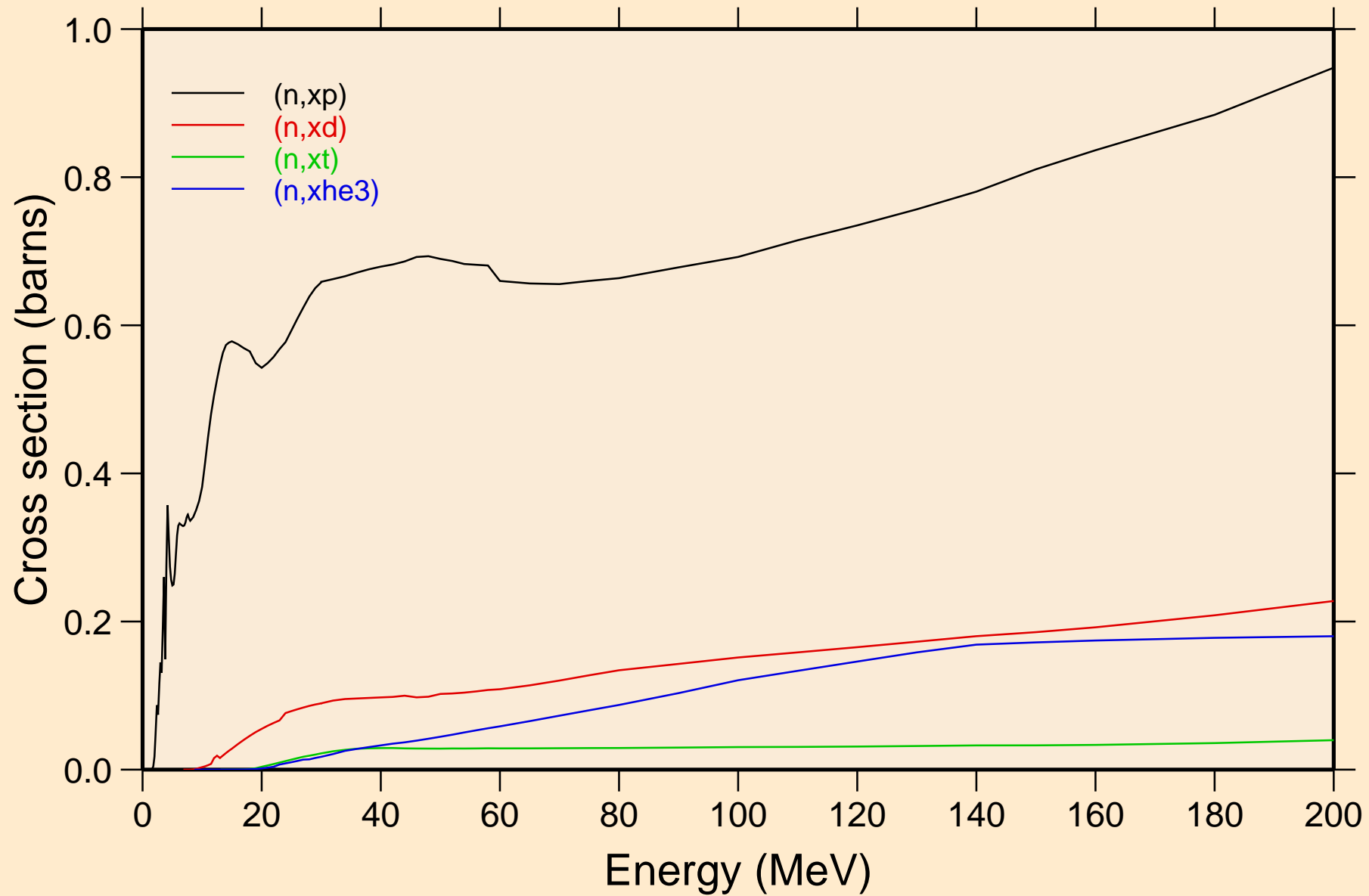




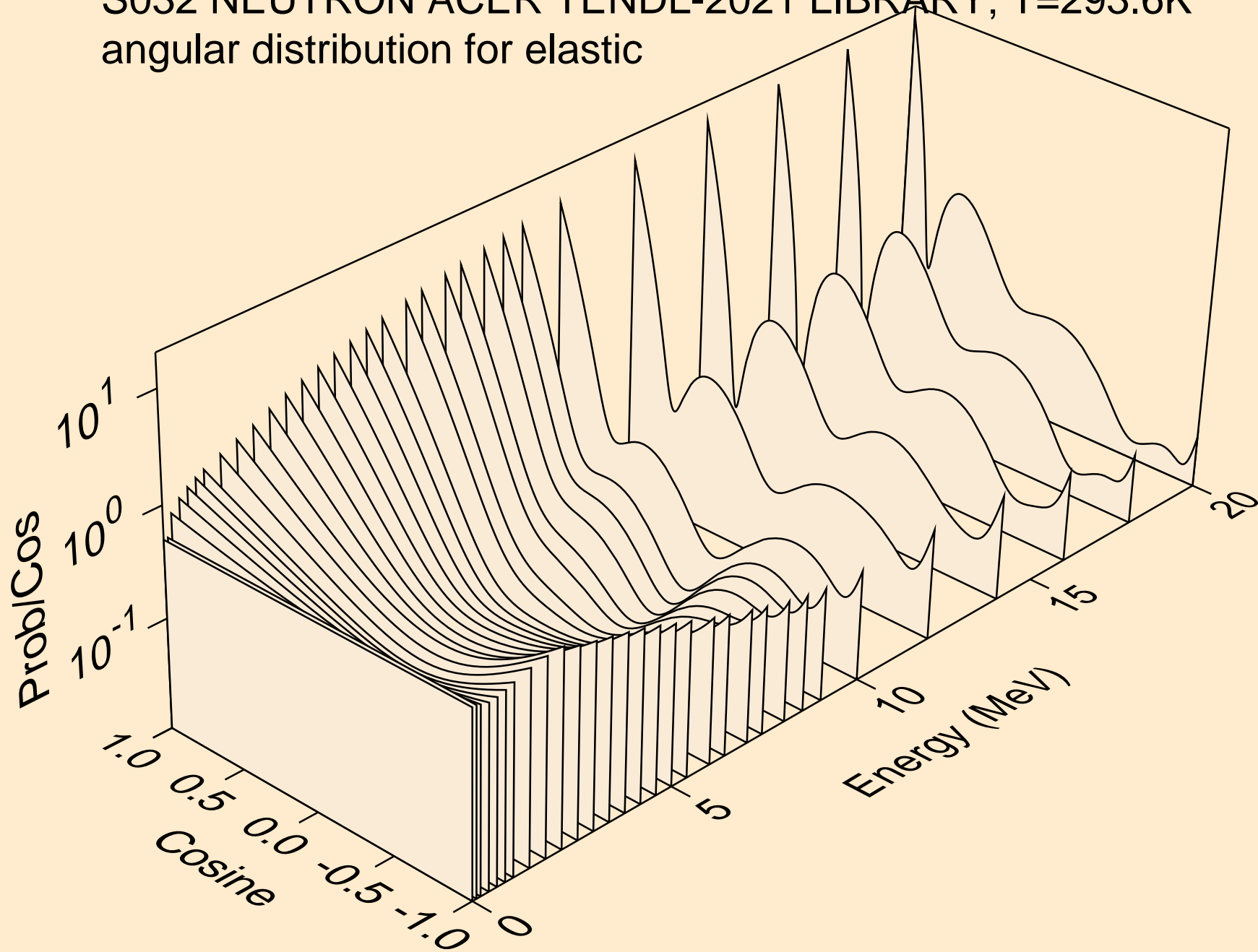
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



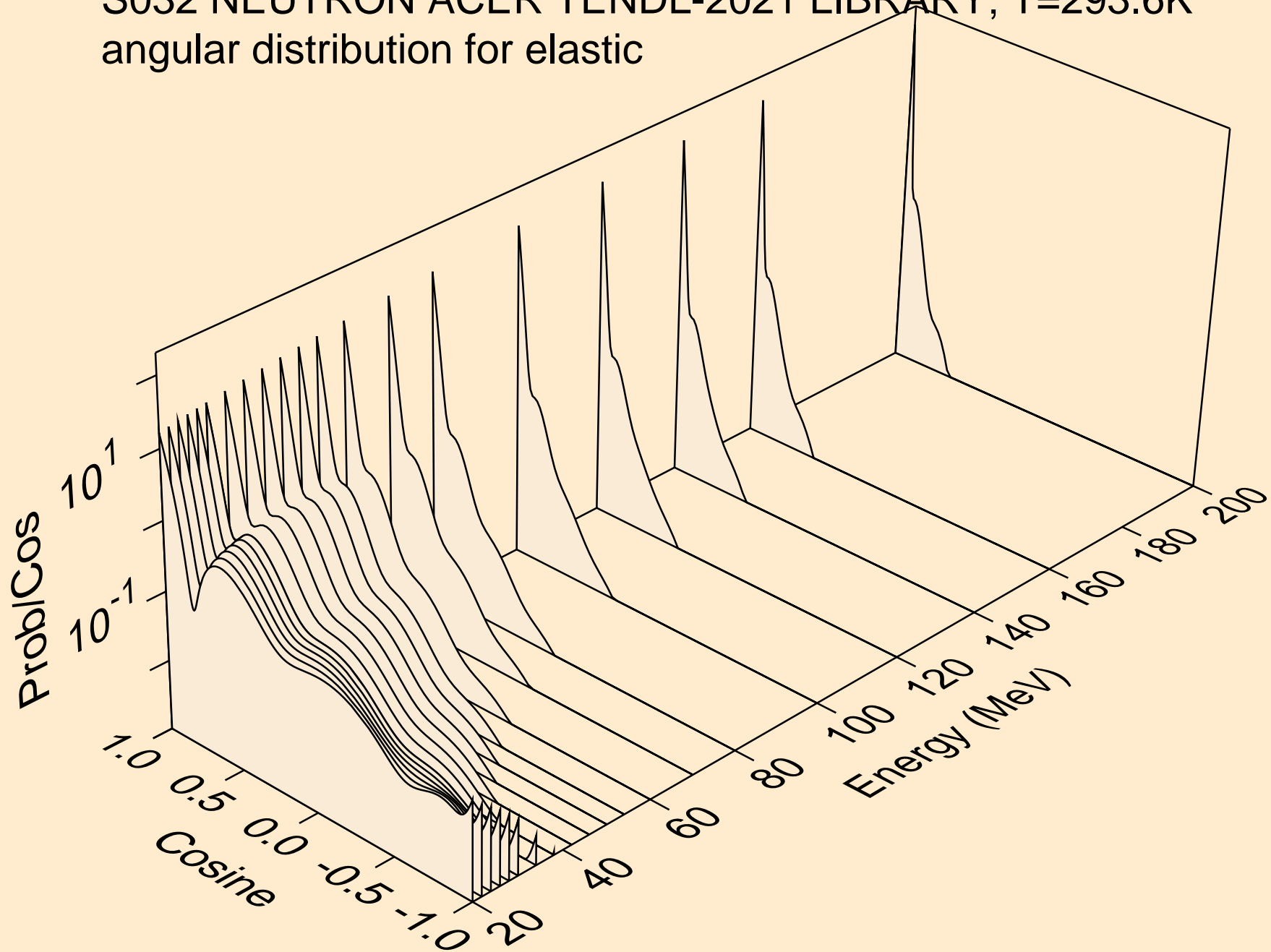
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



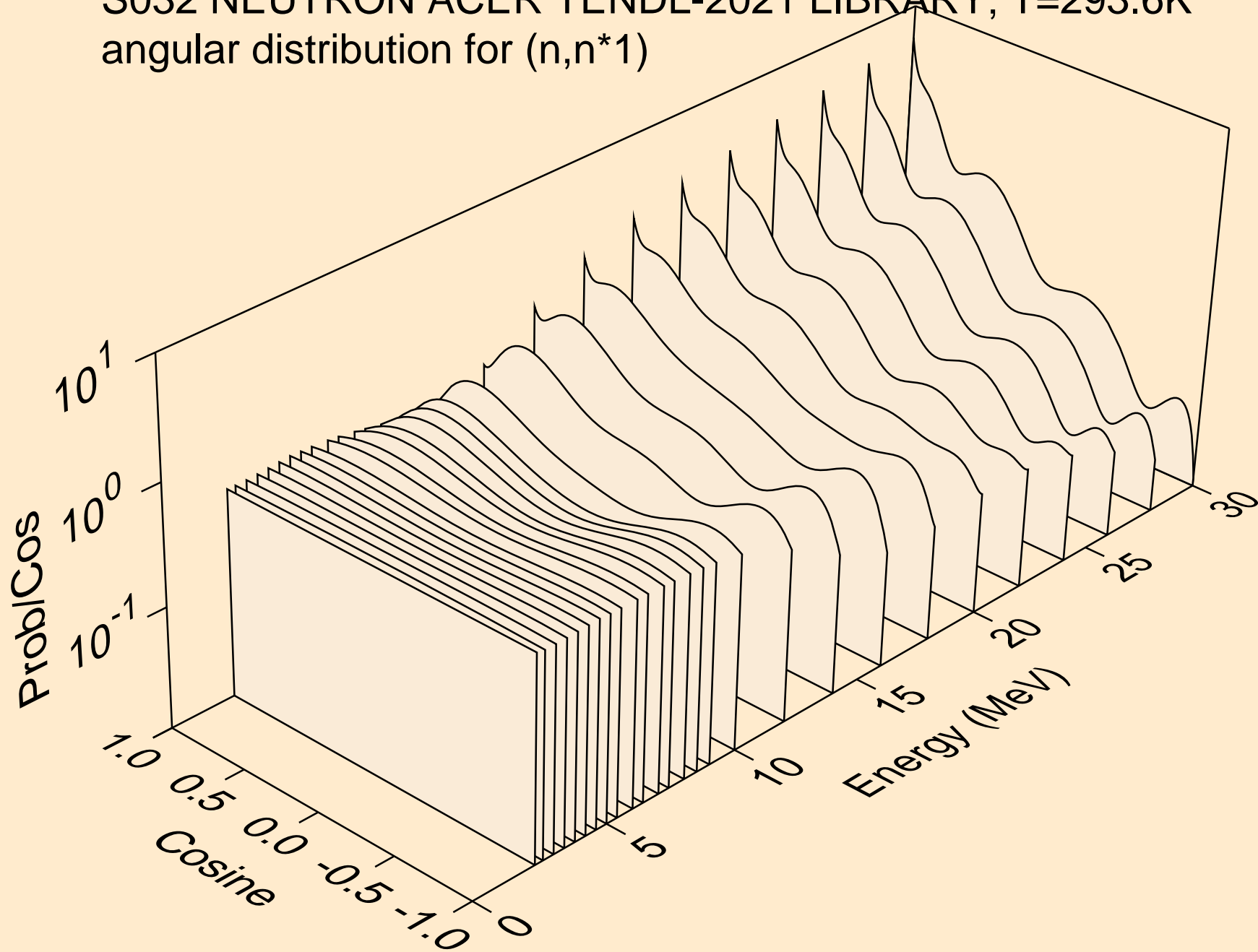
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



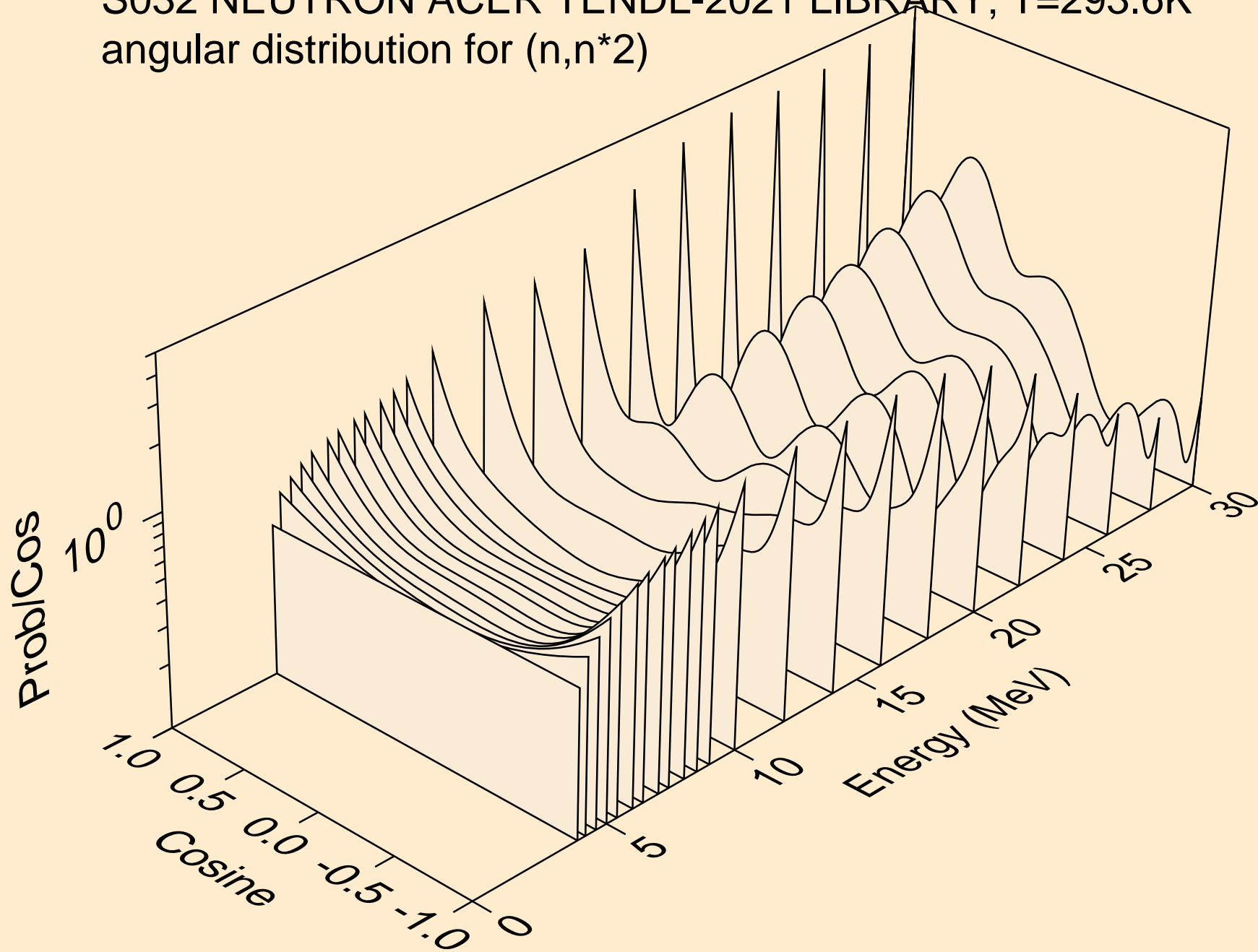
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



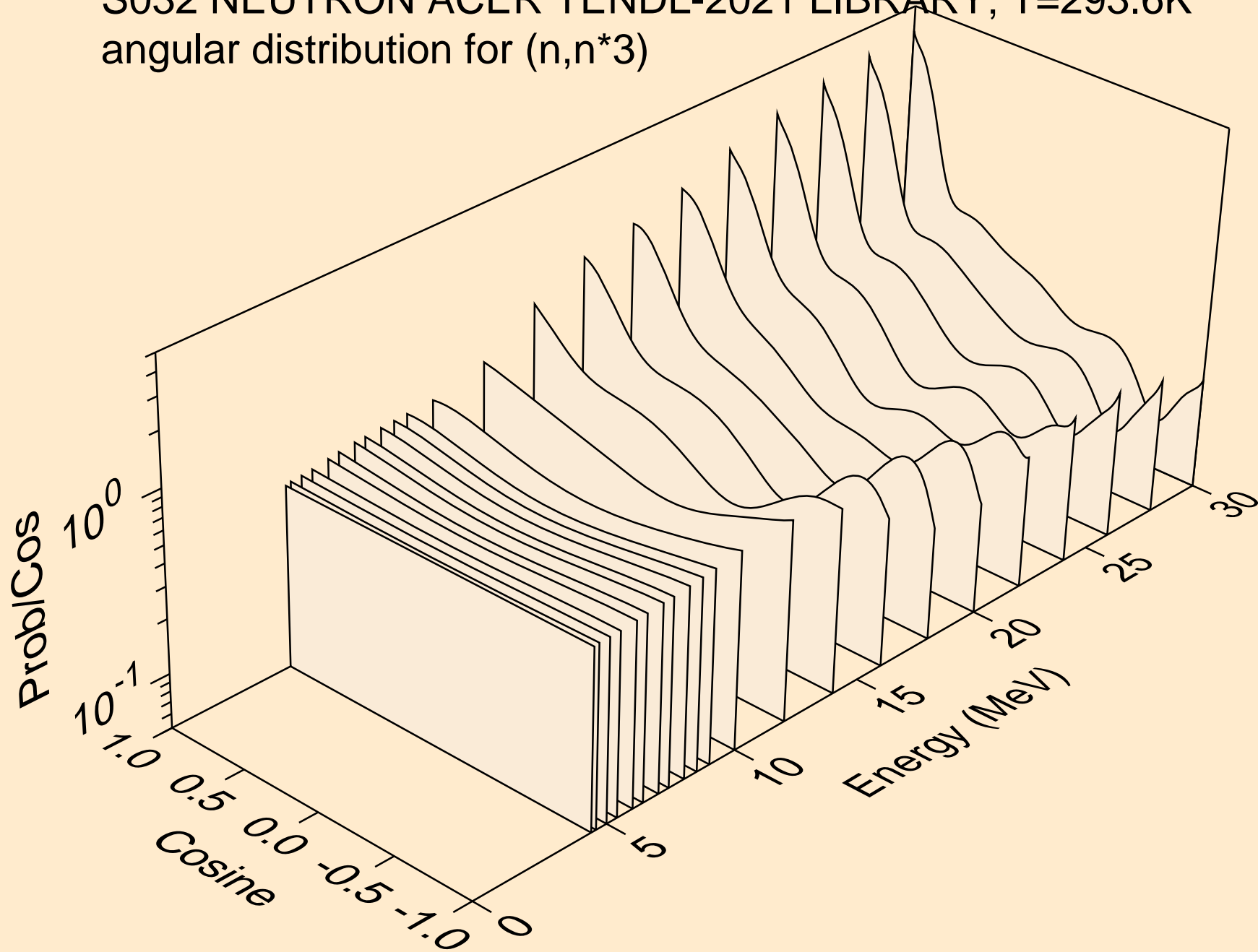
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



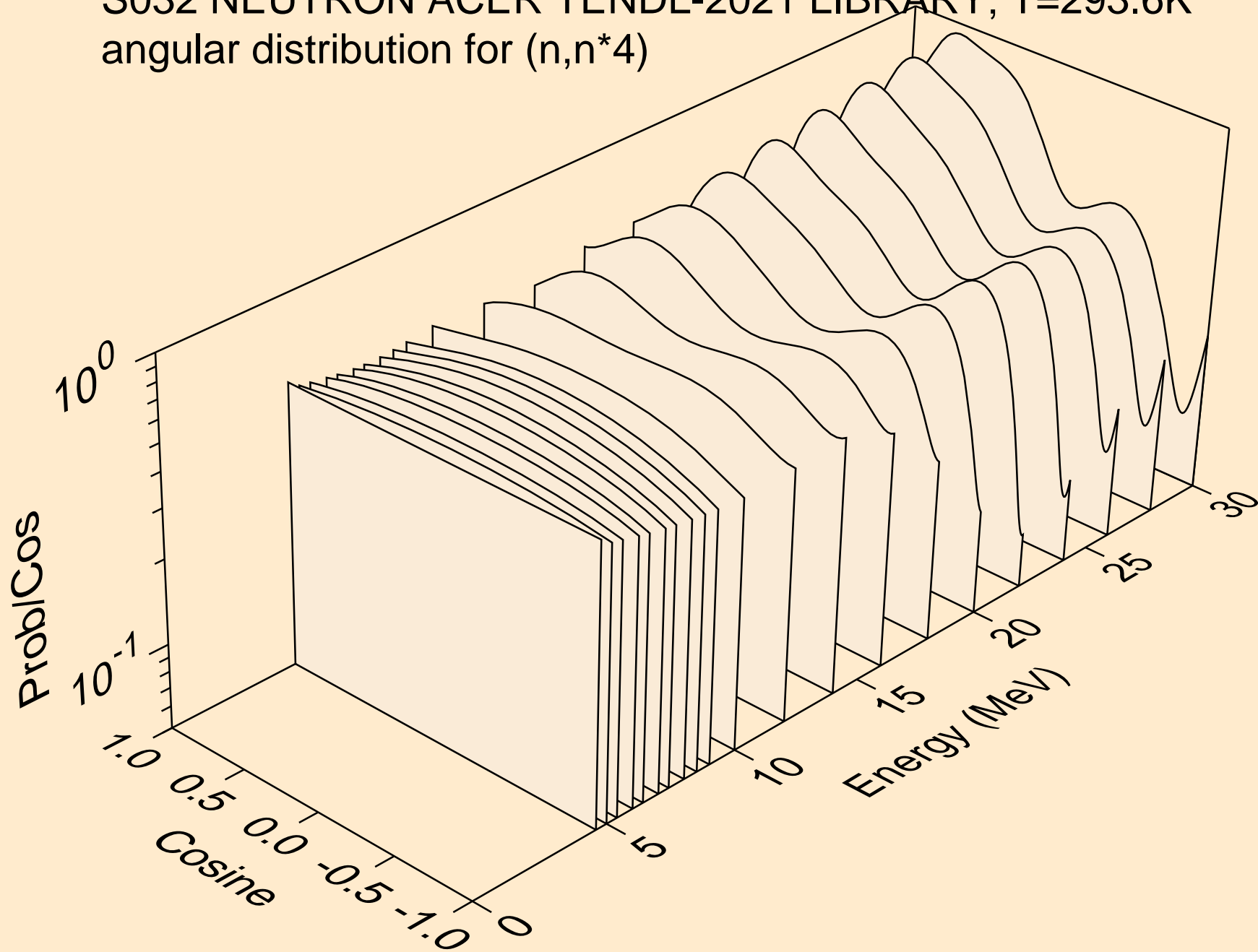
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)



S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)

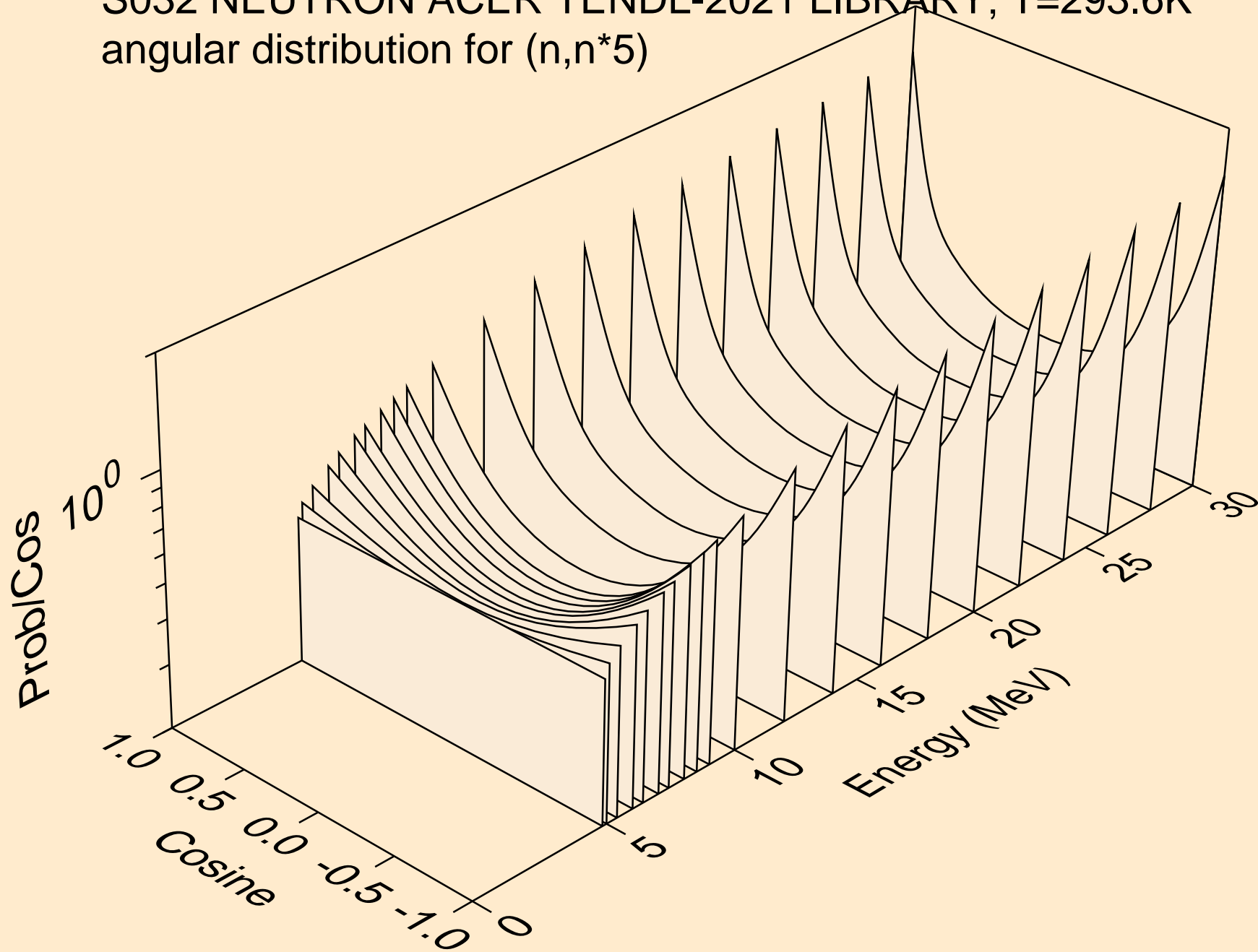


S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*4)

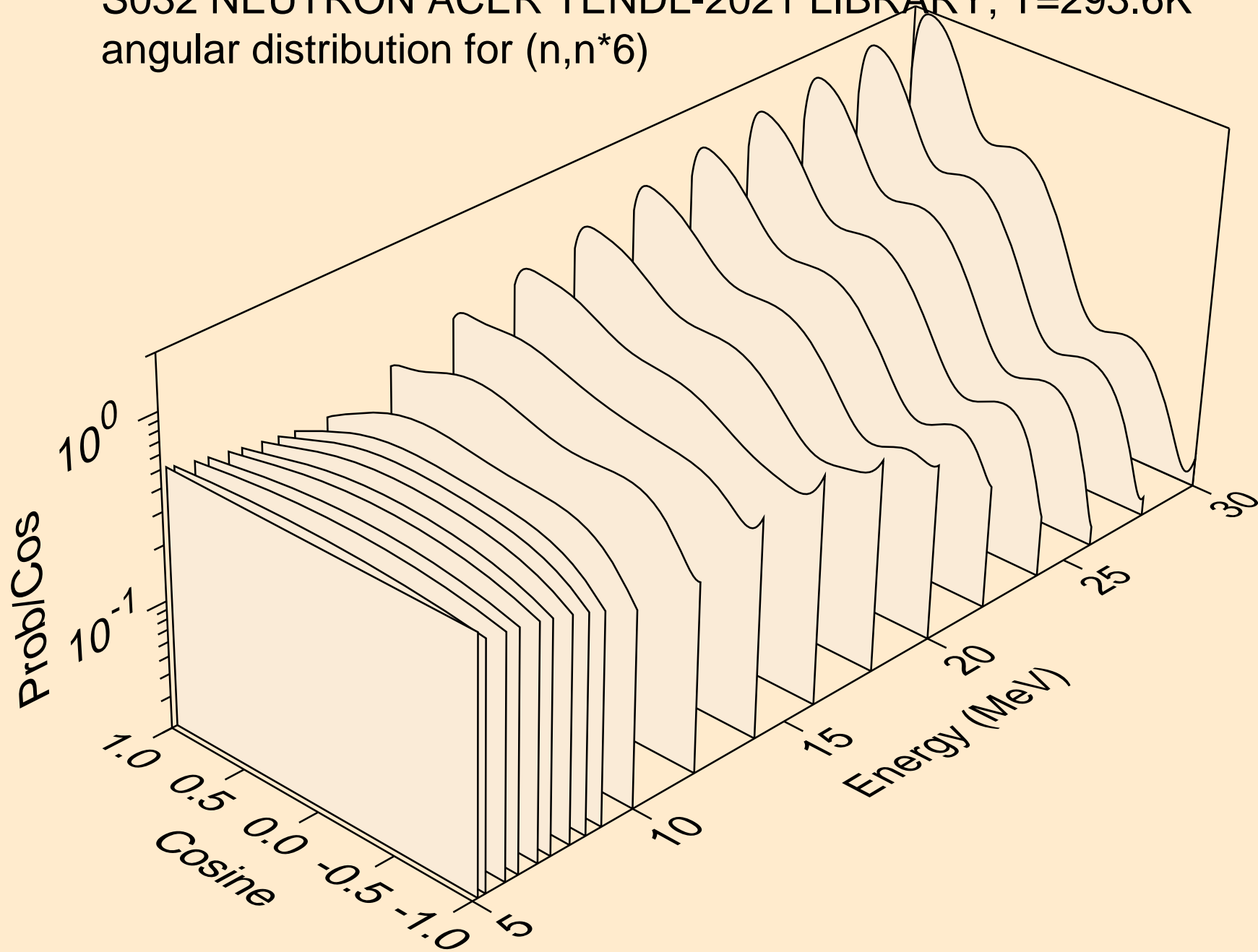




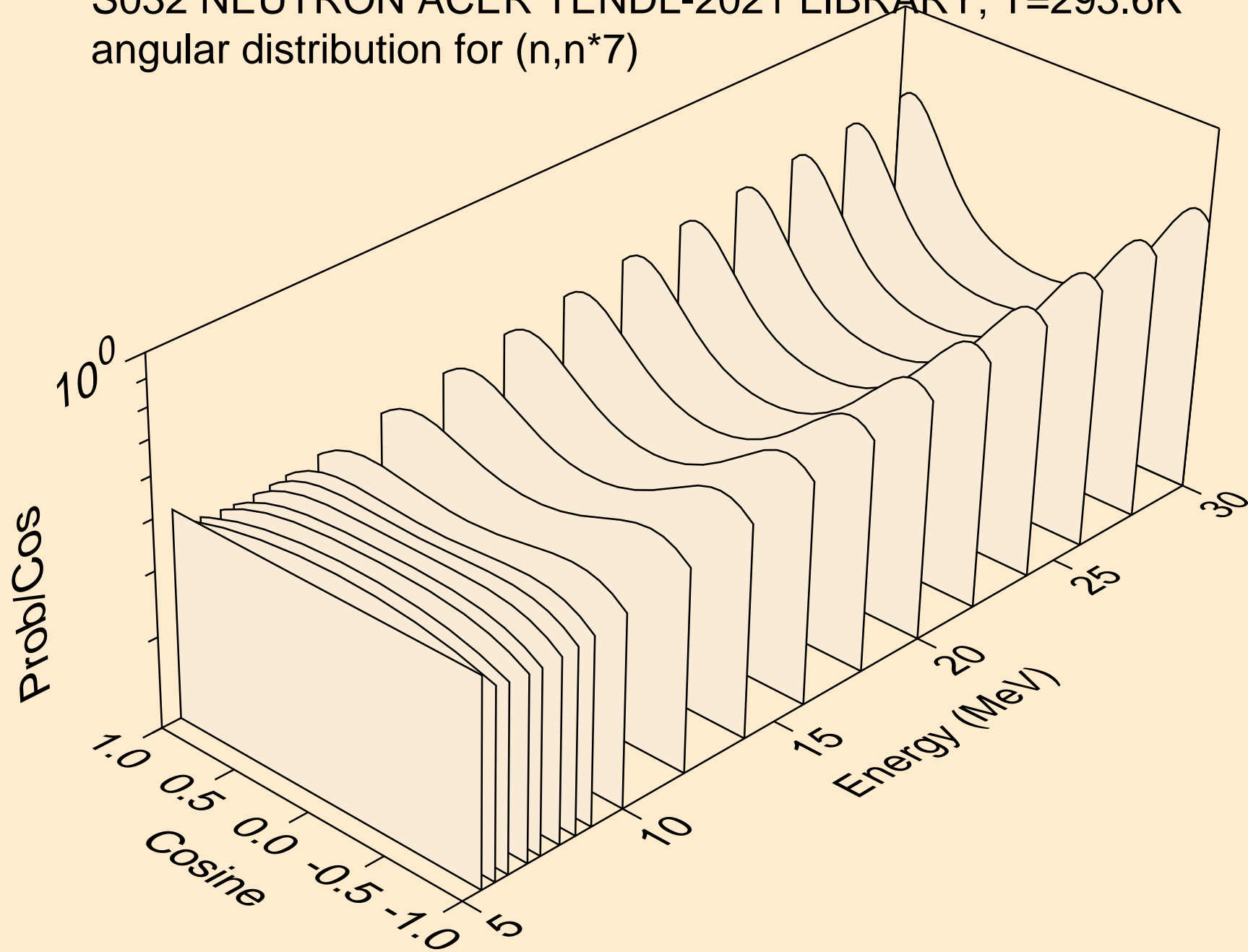
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angular distribution for (n,n\*5)



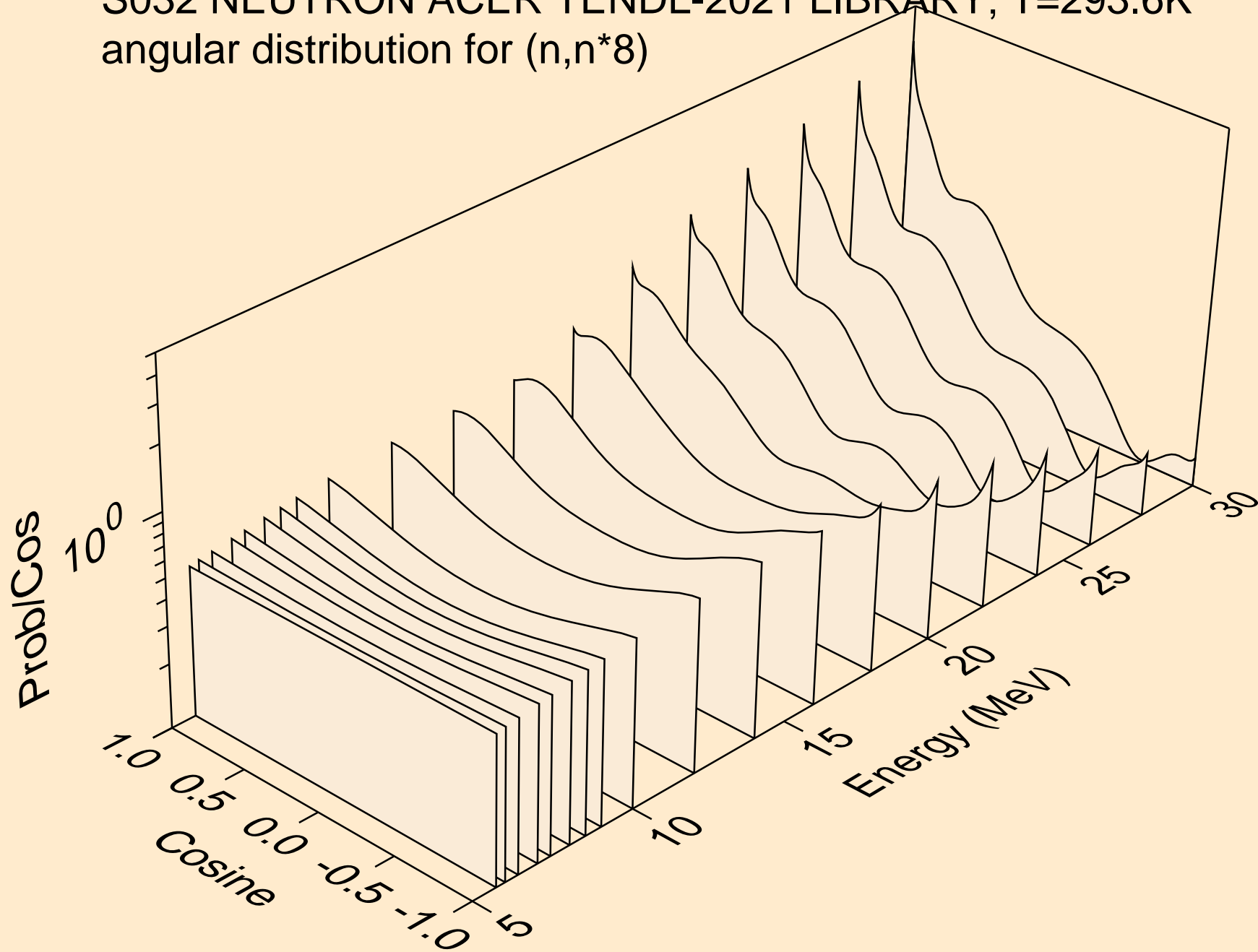
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angular distribution for (n,n\*6)



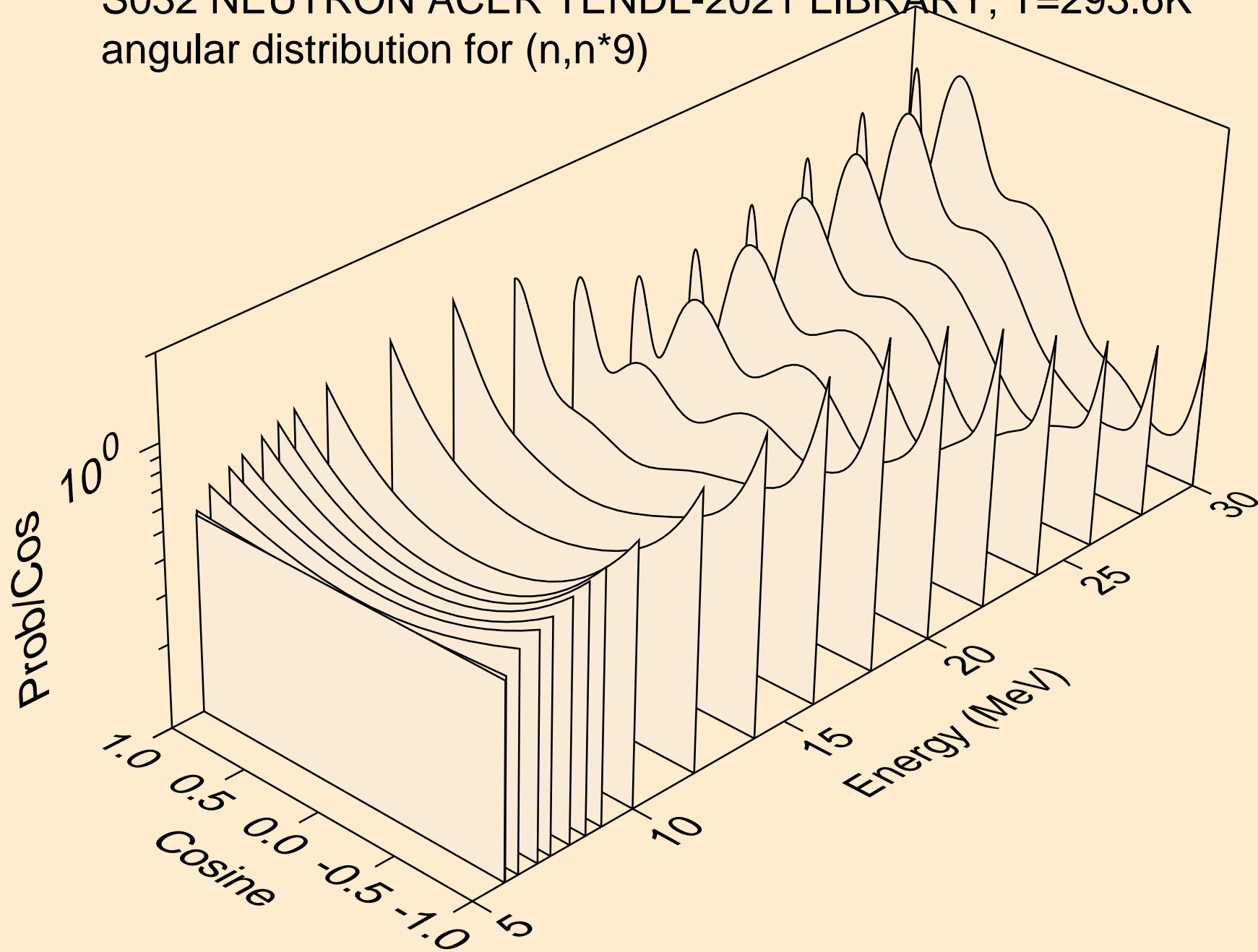
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angular distribution for (n,n\*7)



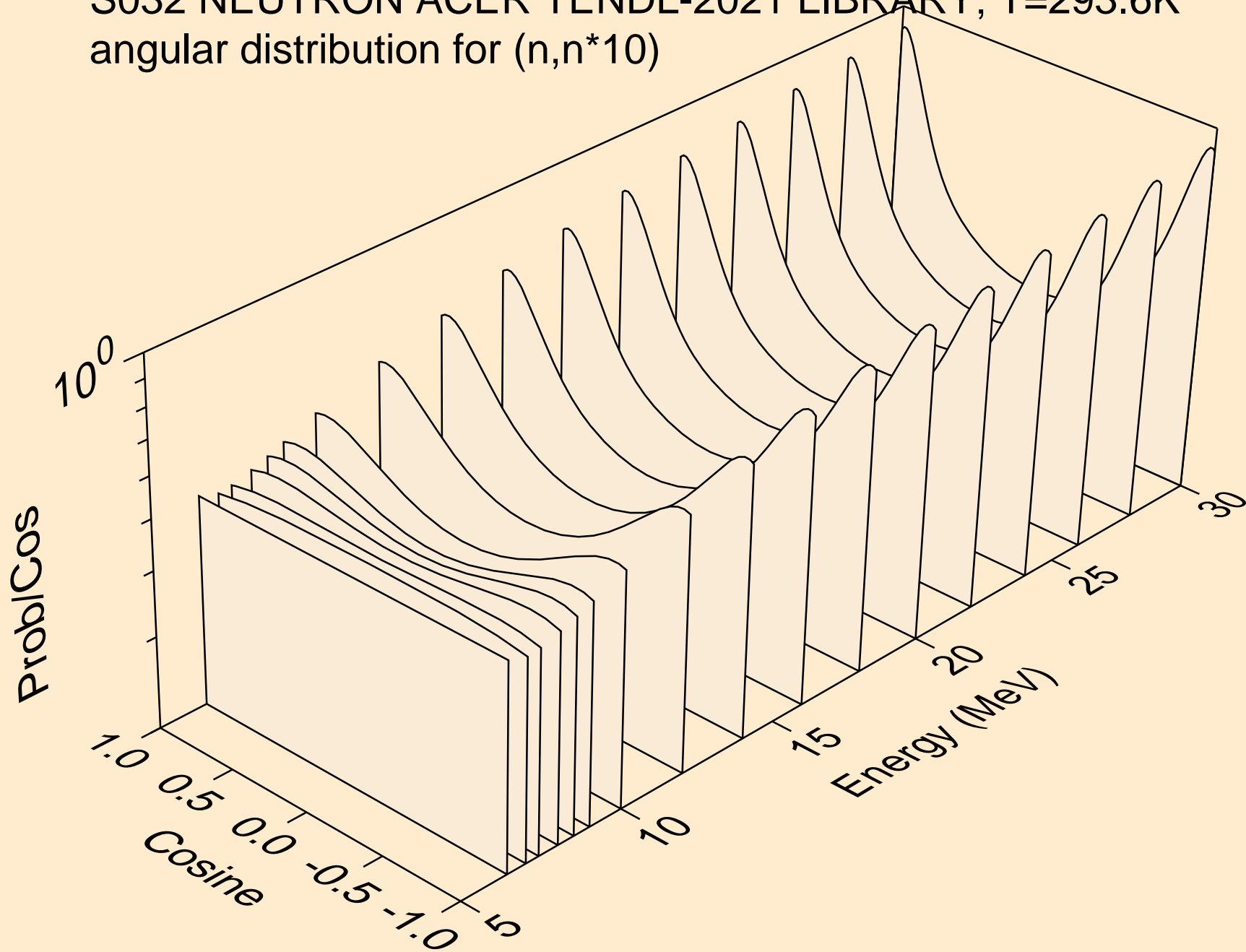
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angular distribution for (n,n\*8)



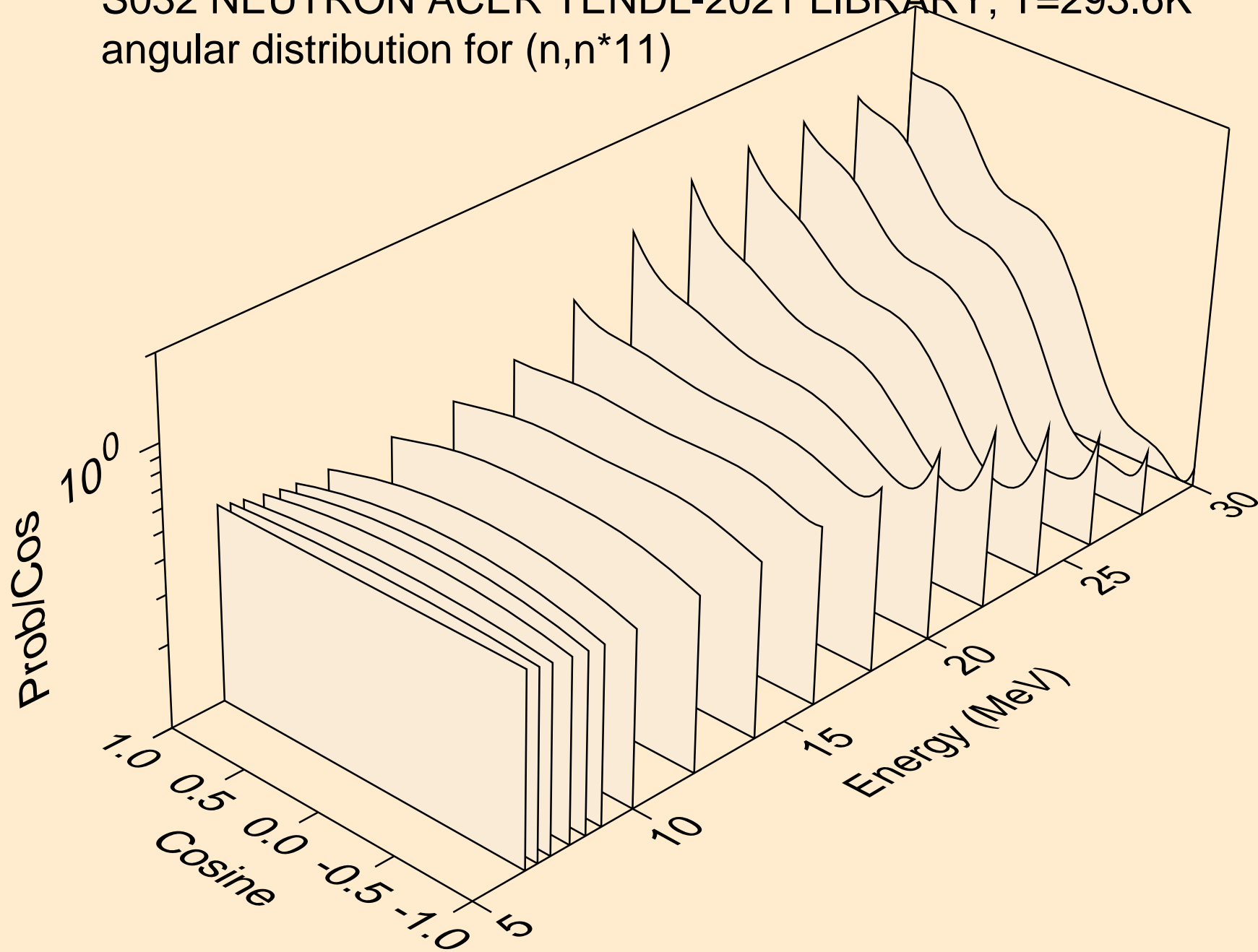
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angular distribution for (n,n\*9)



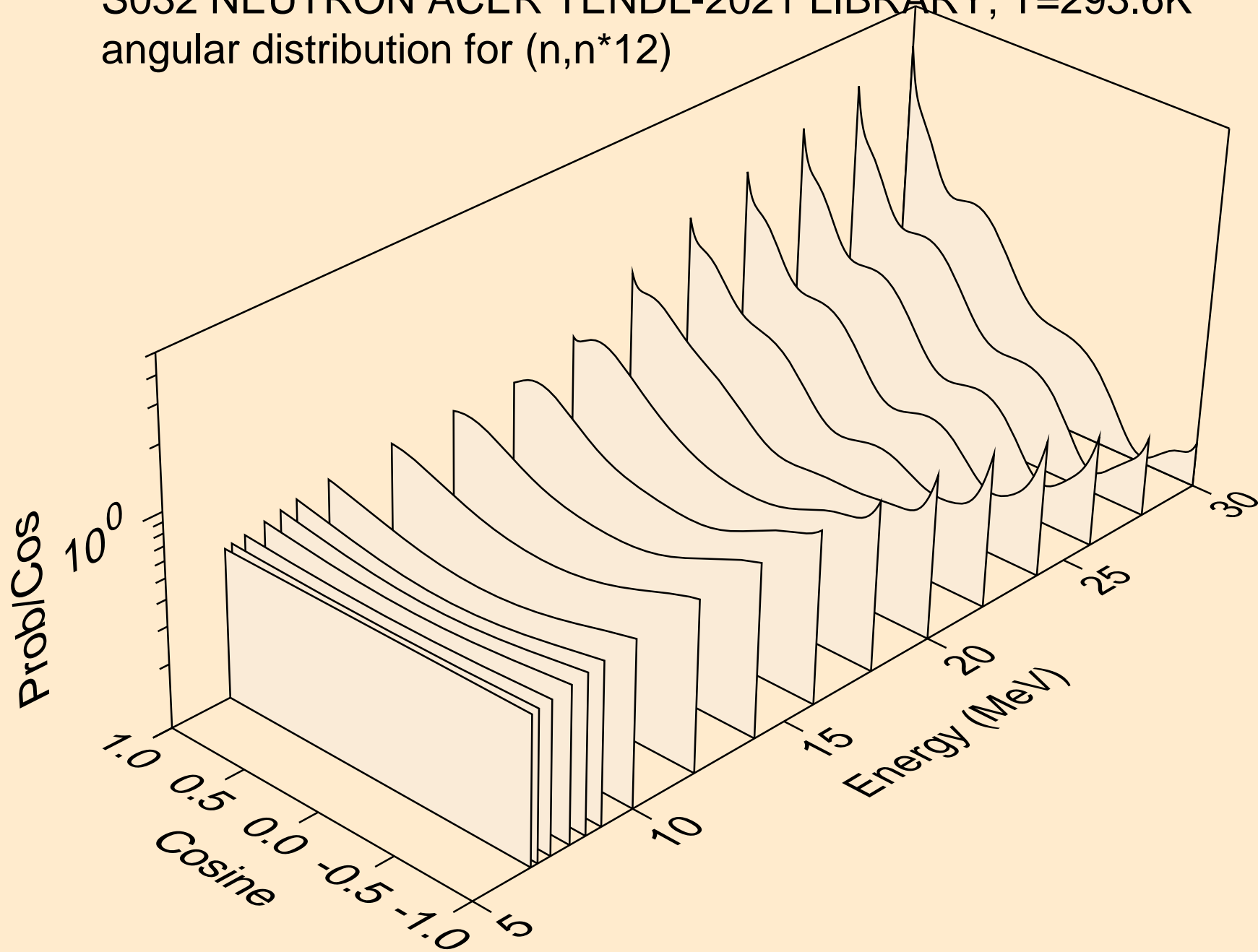
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*10)



S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*11)

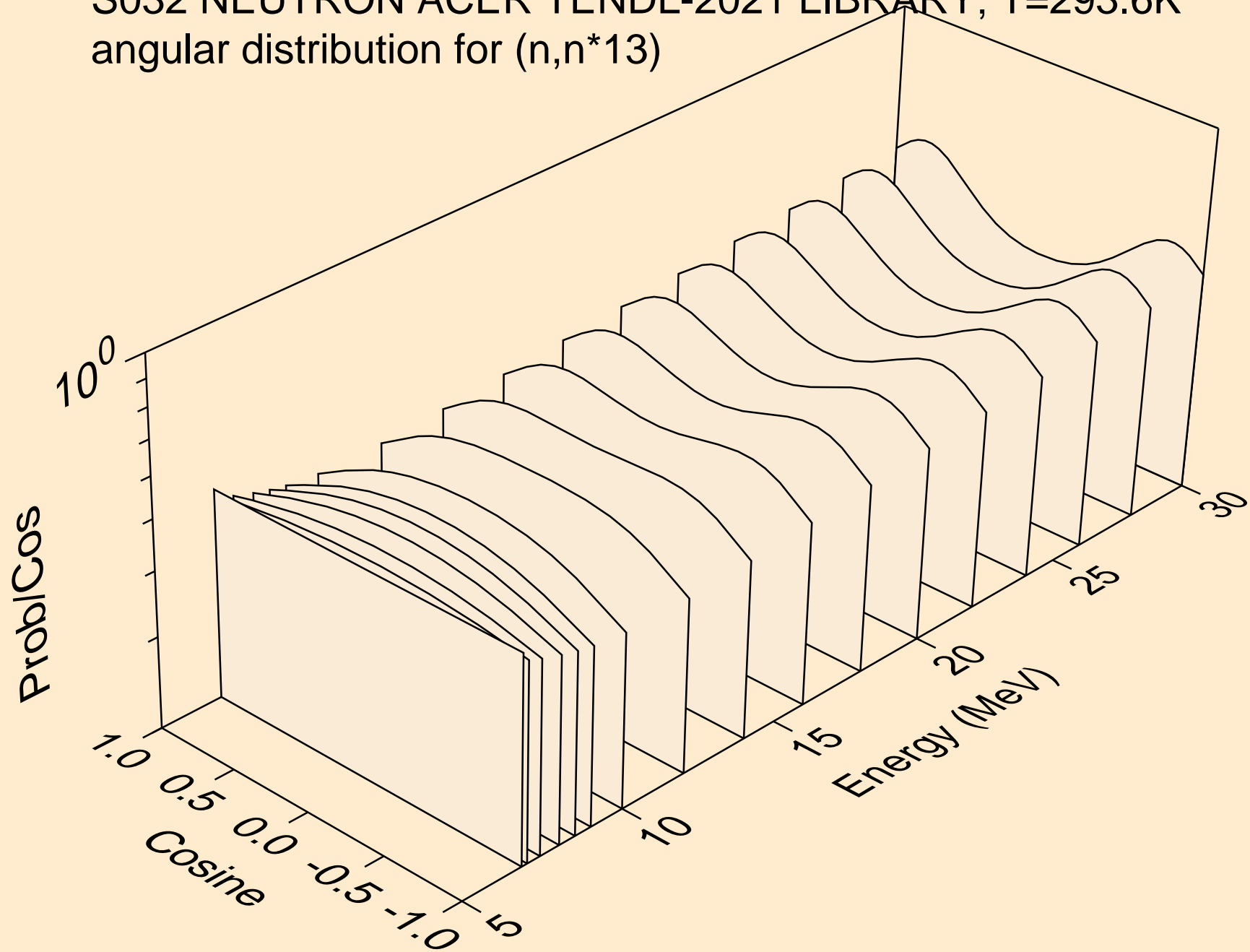


S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*12)

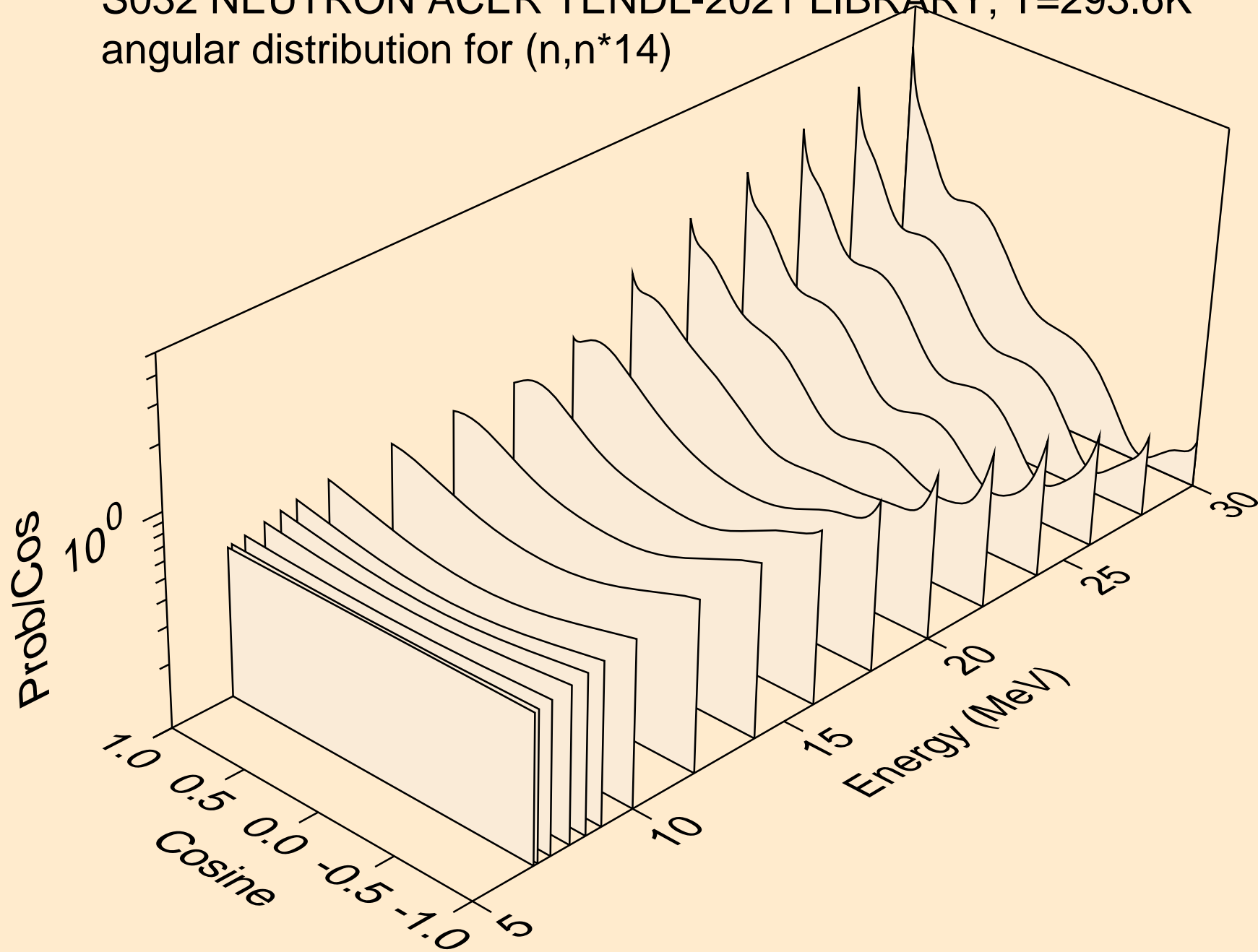




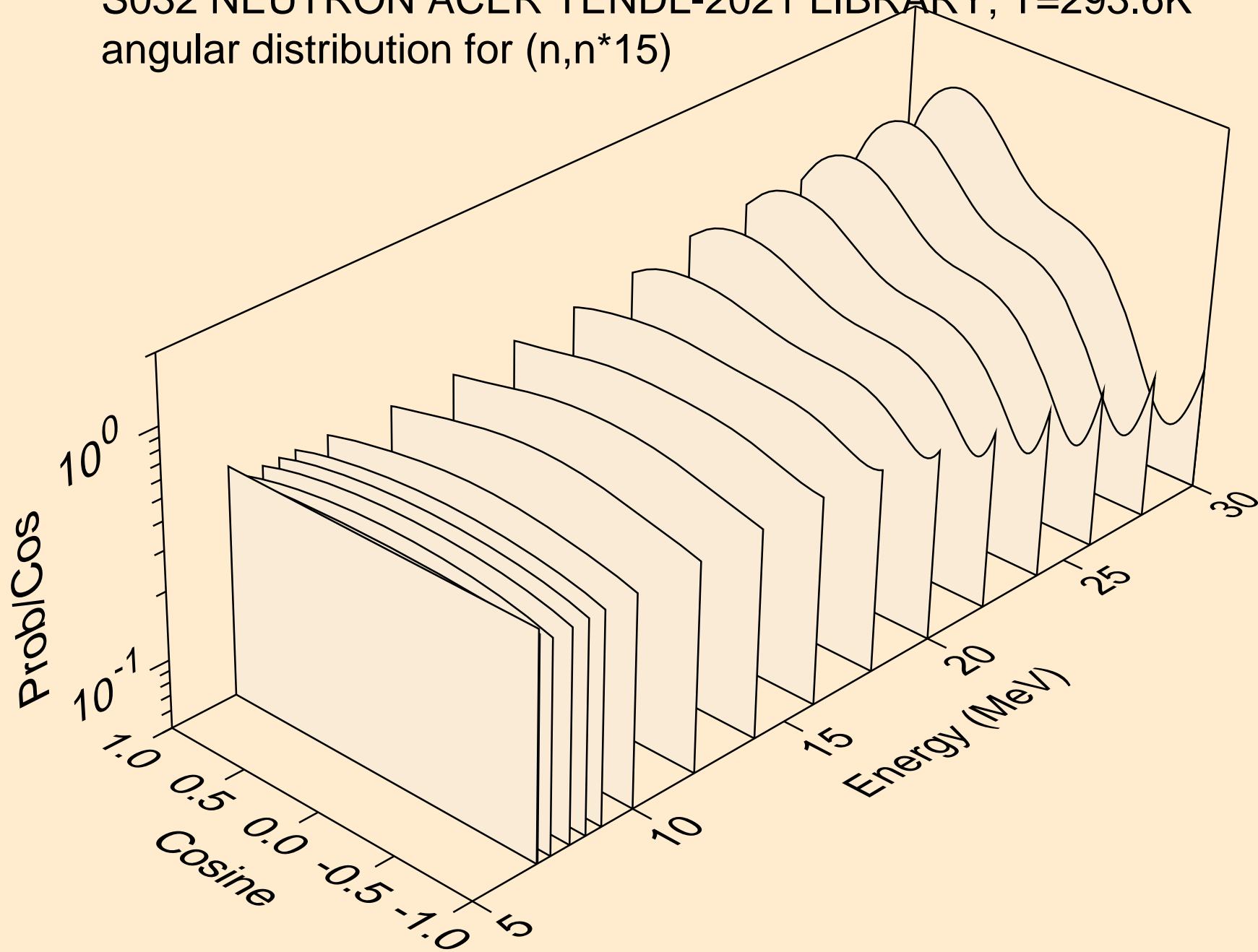
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angular distribution for (n,n\*13)



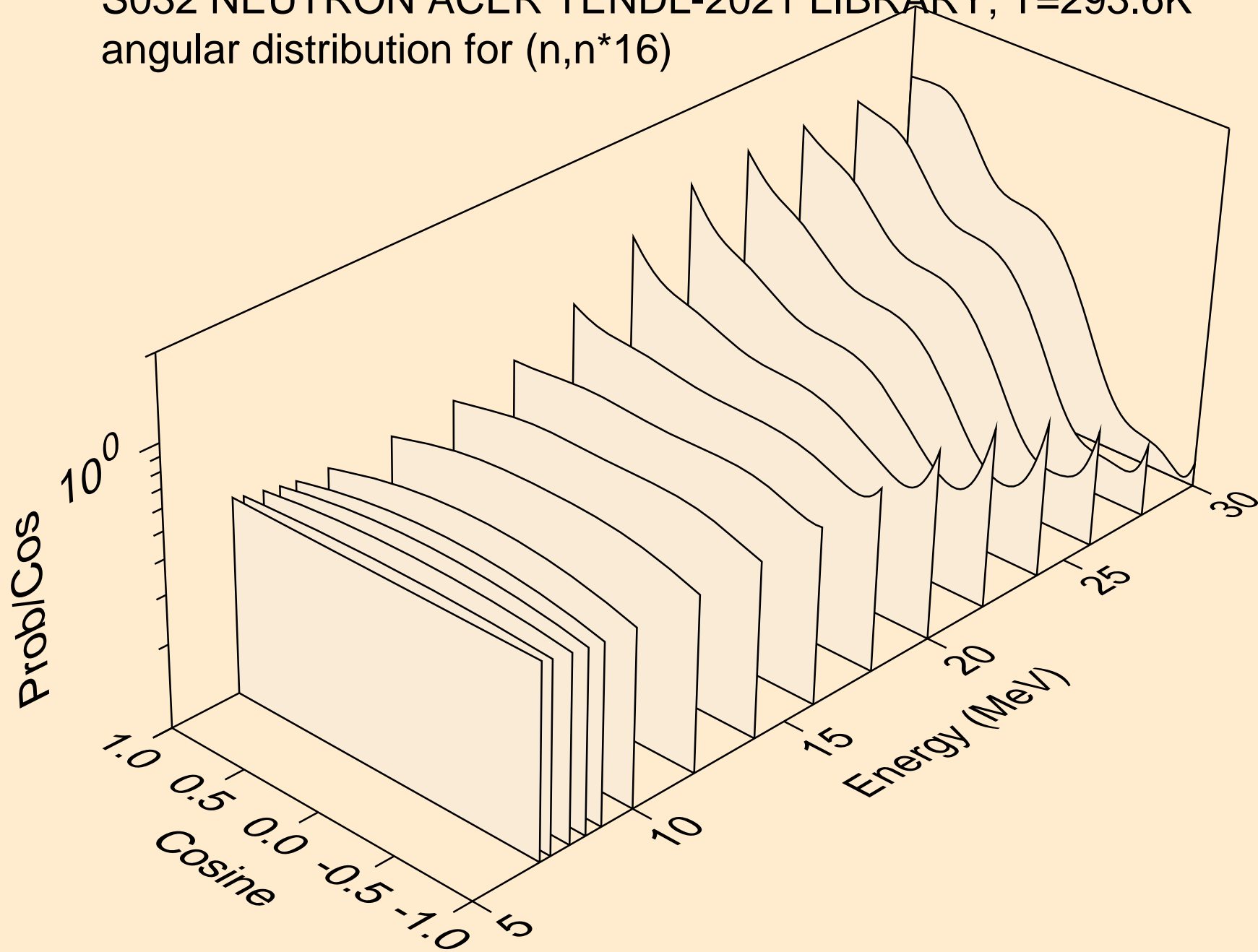
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angular distribution for (n,n\*14)



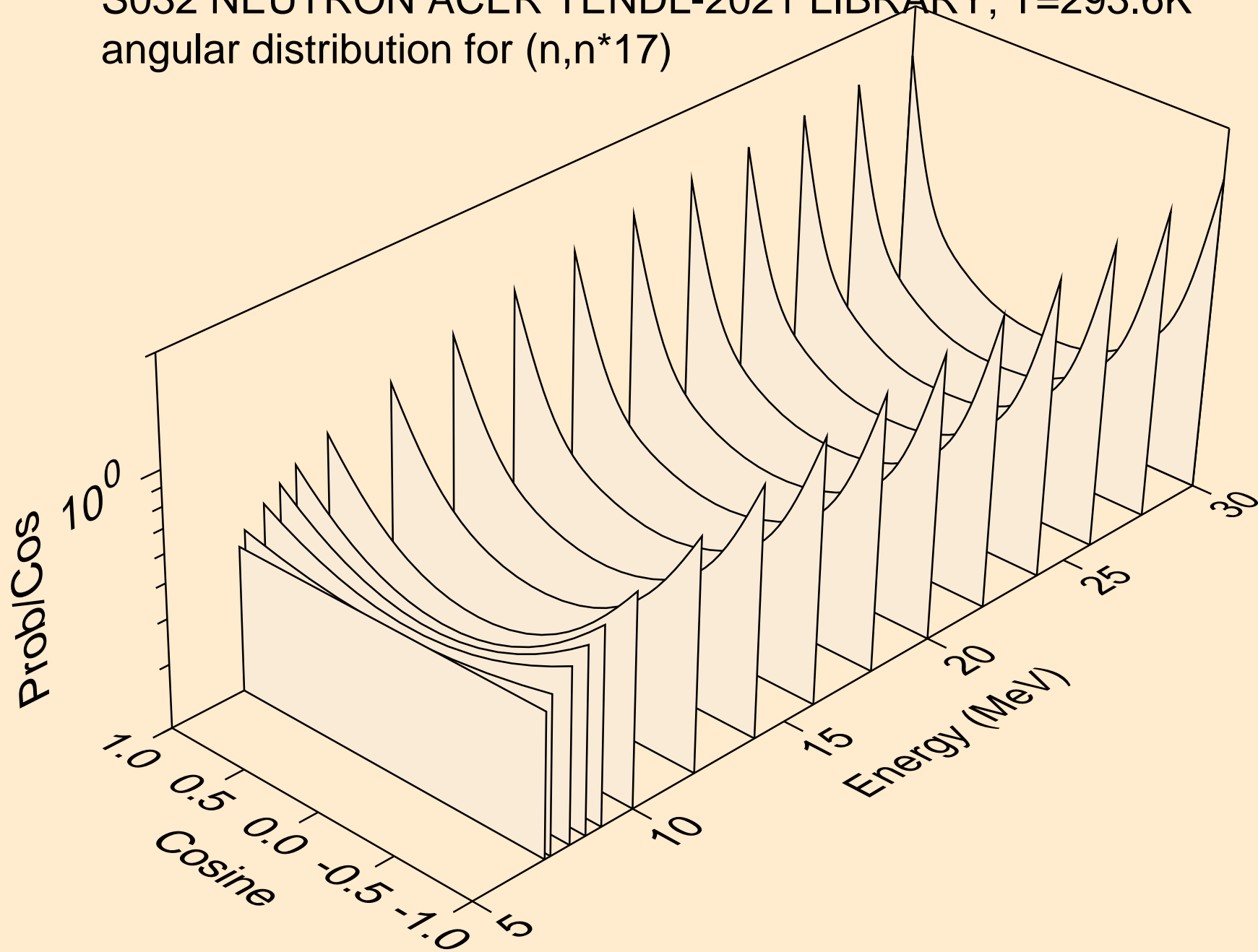
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angular distribution for (n,n\*15)



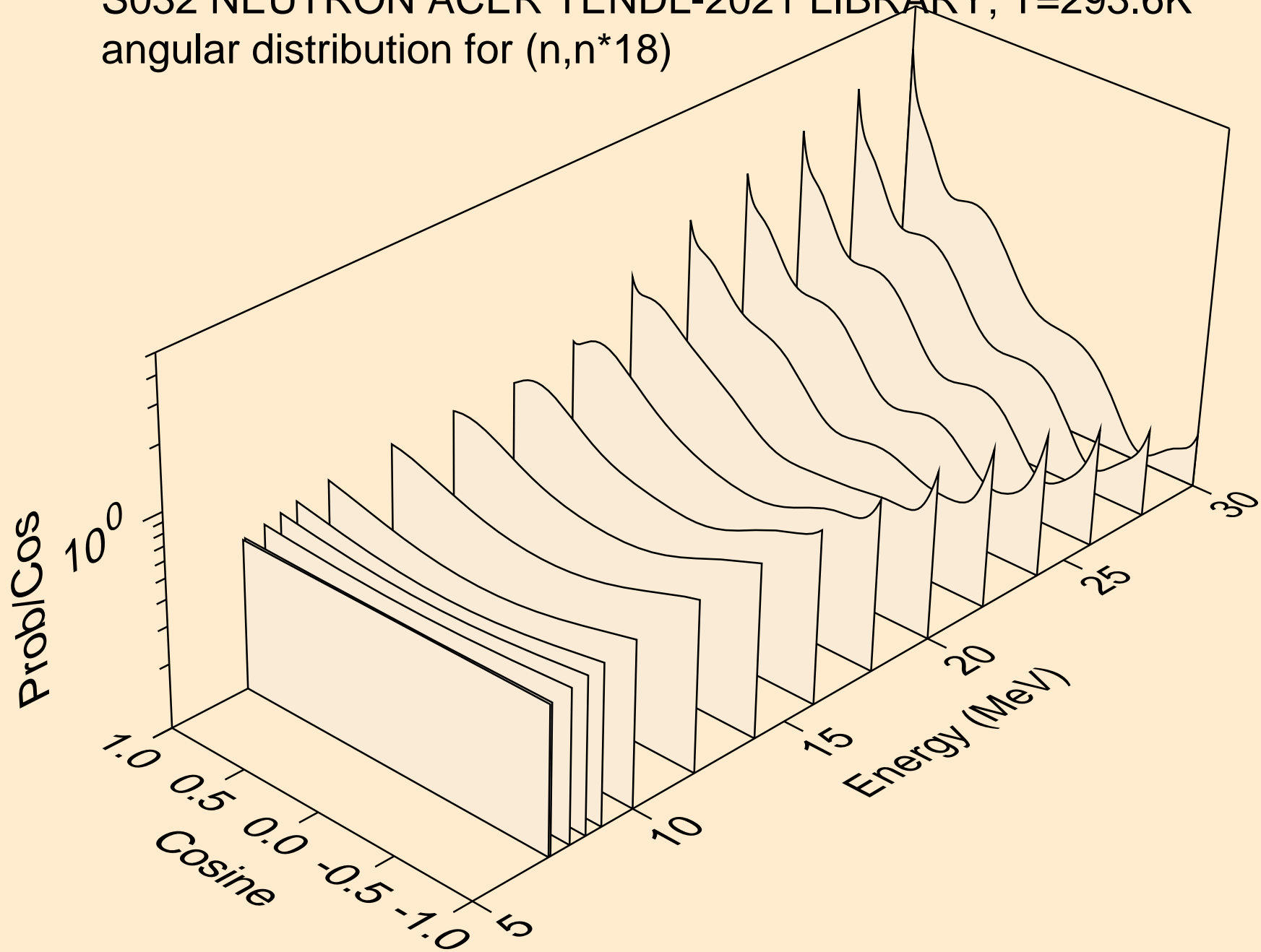
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angular distribution for (n,n\*16)



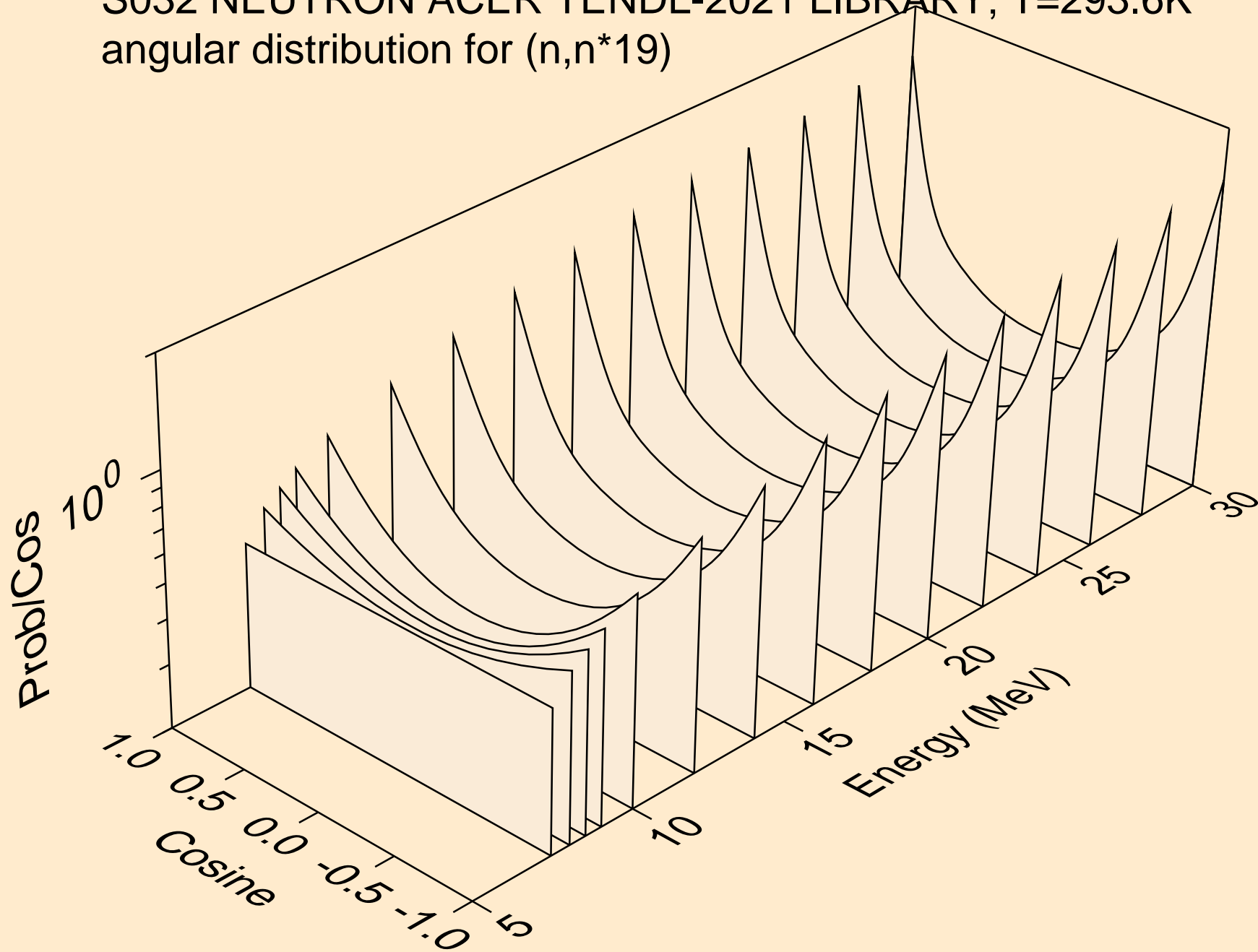
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angular distribution for (n,n\*17)



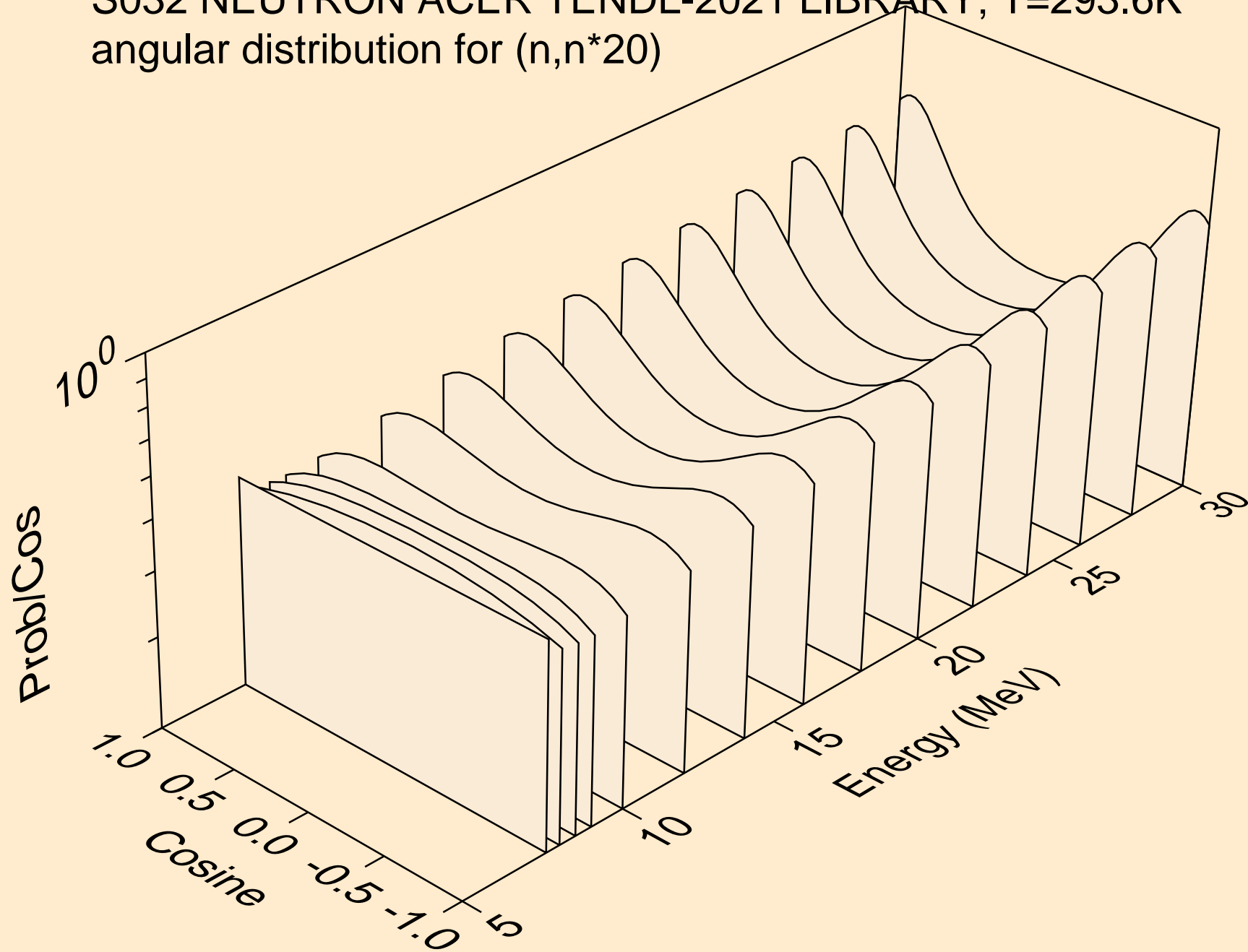
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*18)



S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*19)

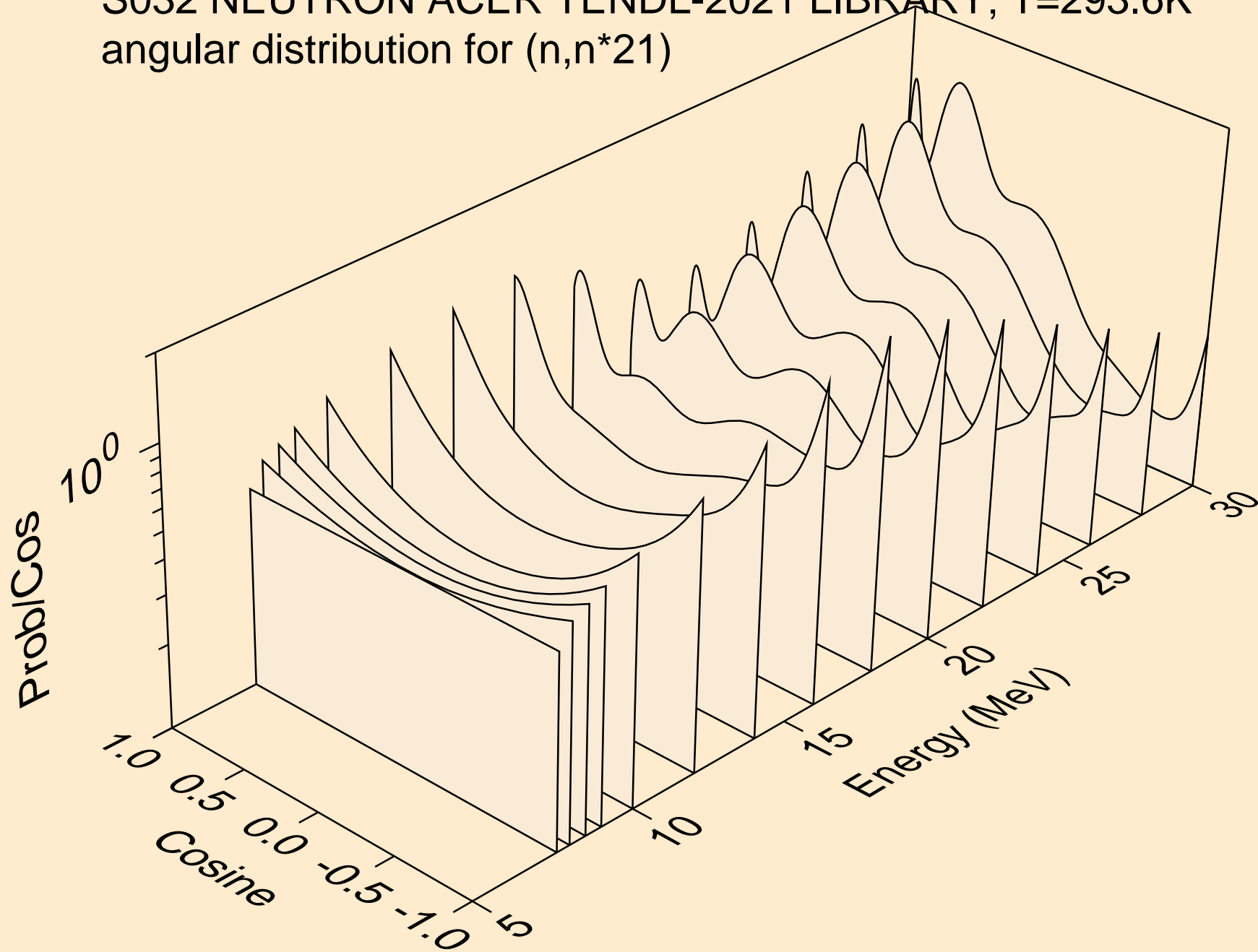


S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*20)

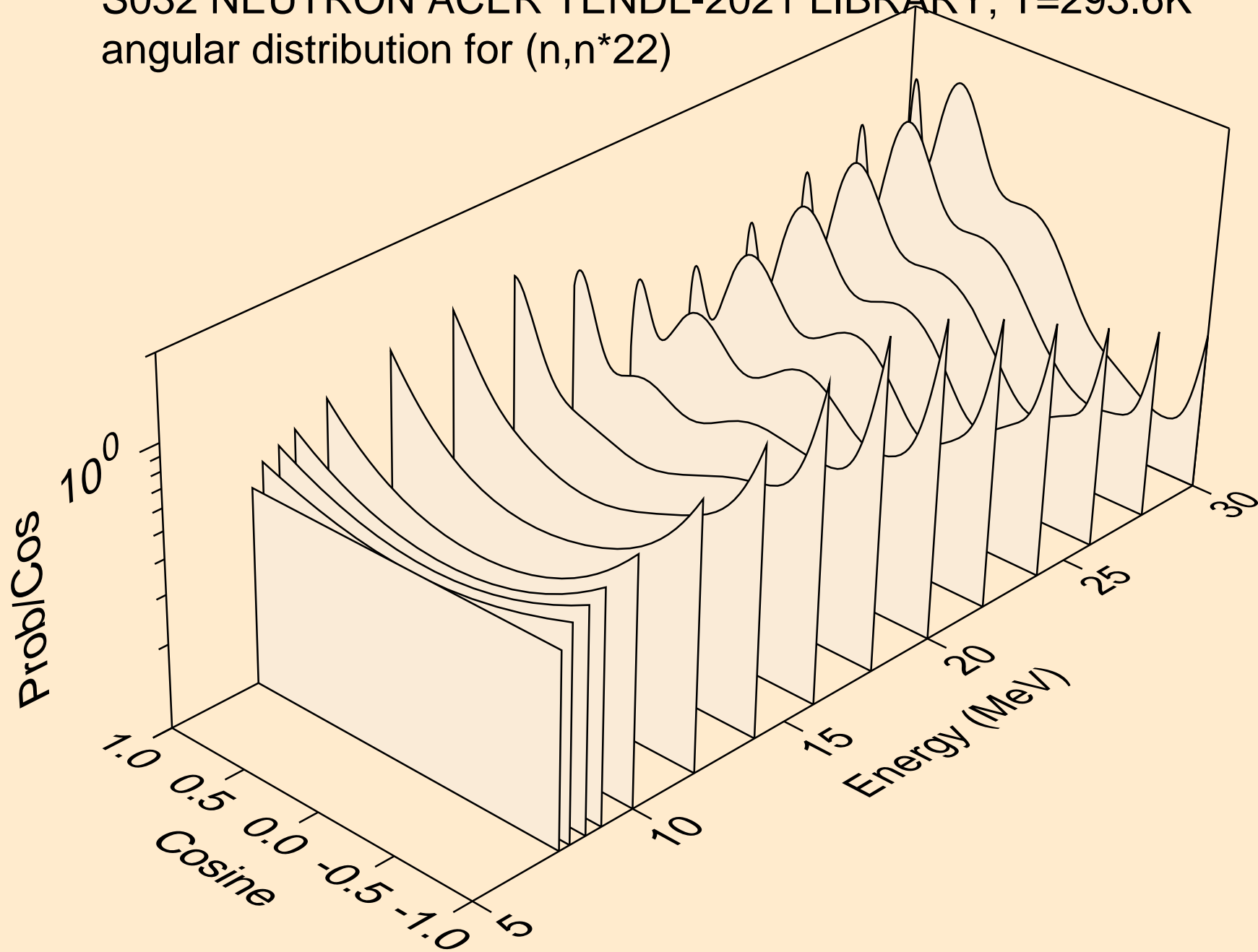




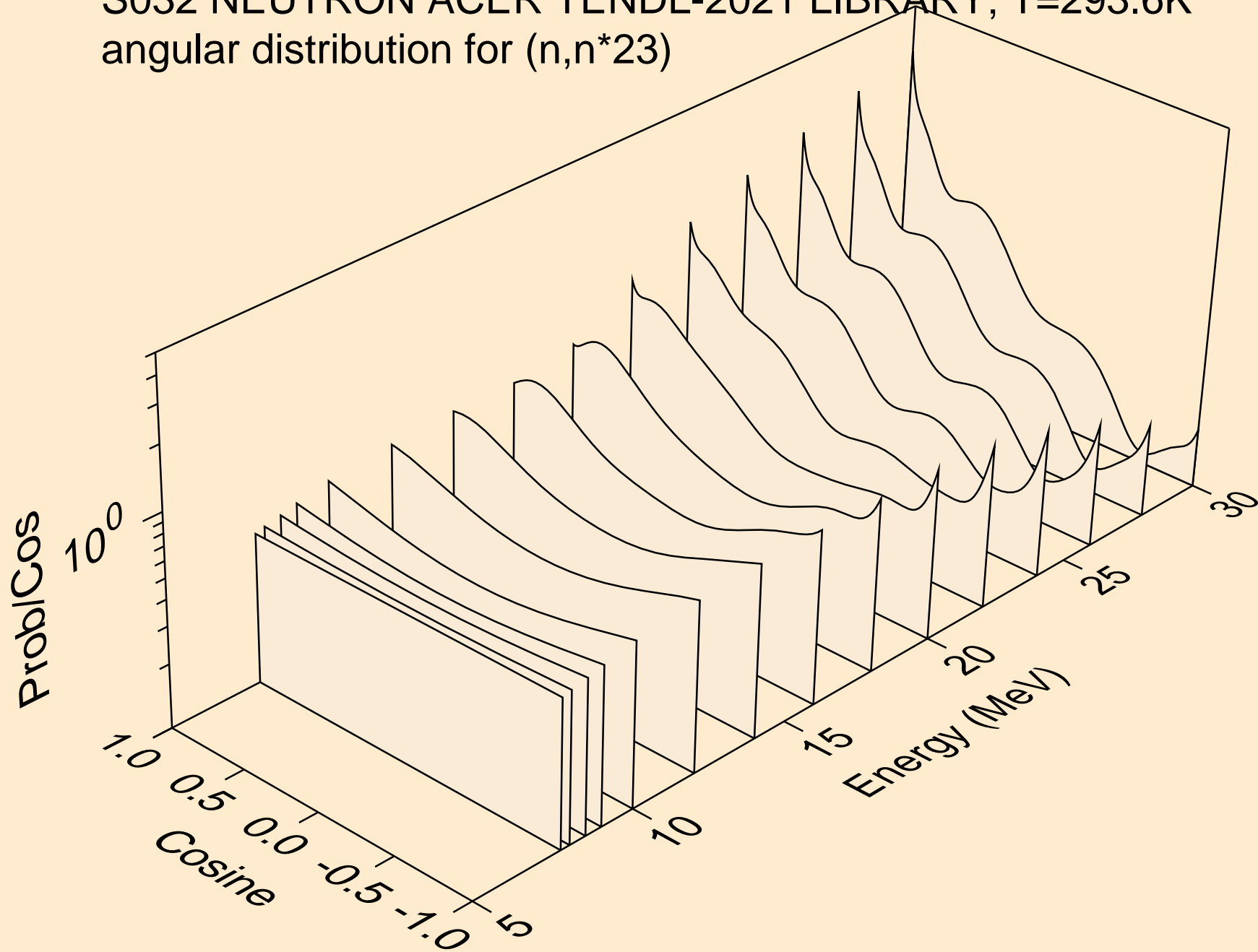
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angular distribution for (n,n\*21)



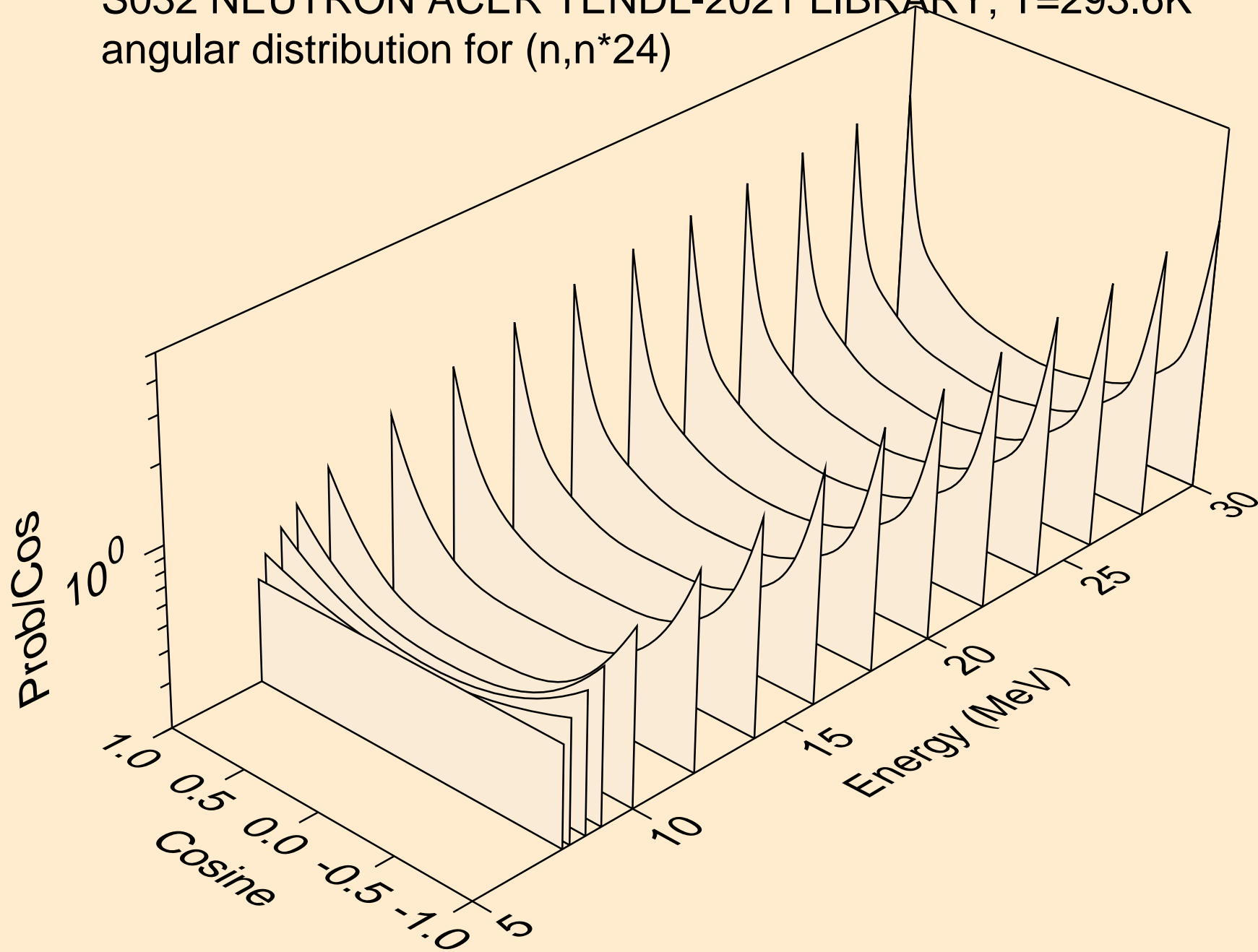
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angular distribution for (n,n\*22)



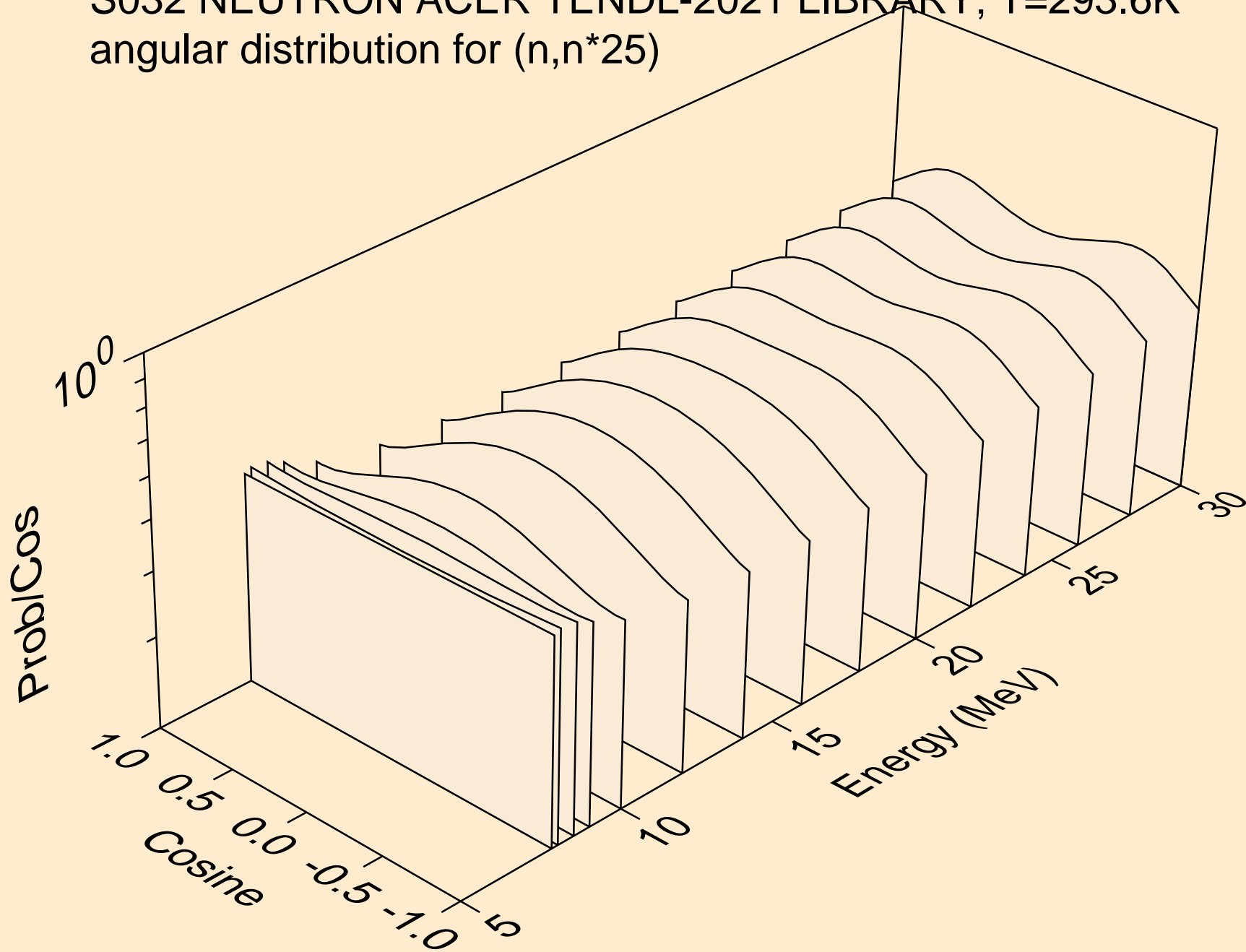
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angular distribution for (n,n\*23)



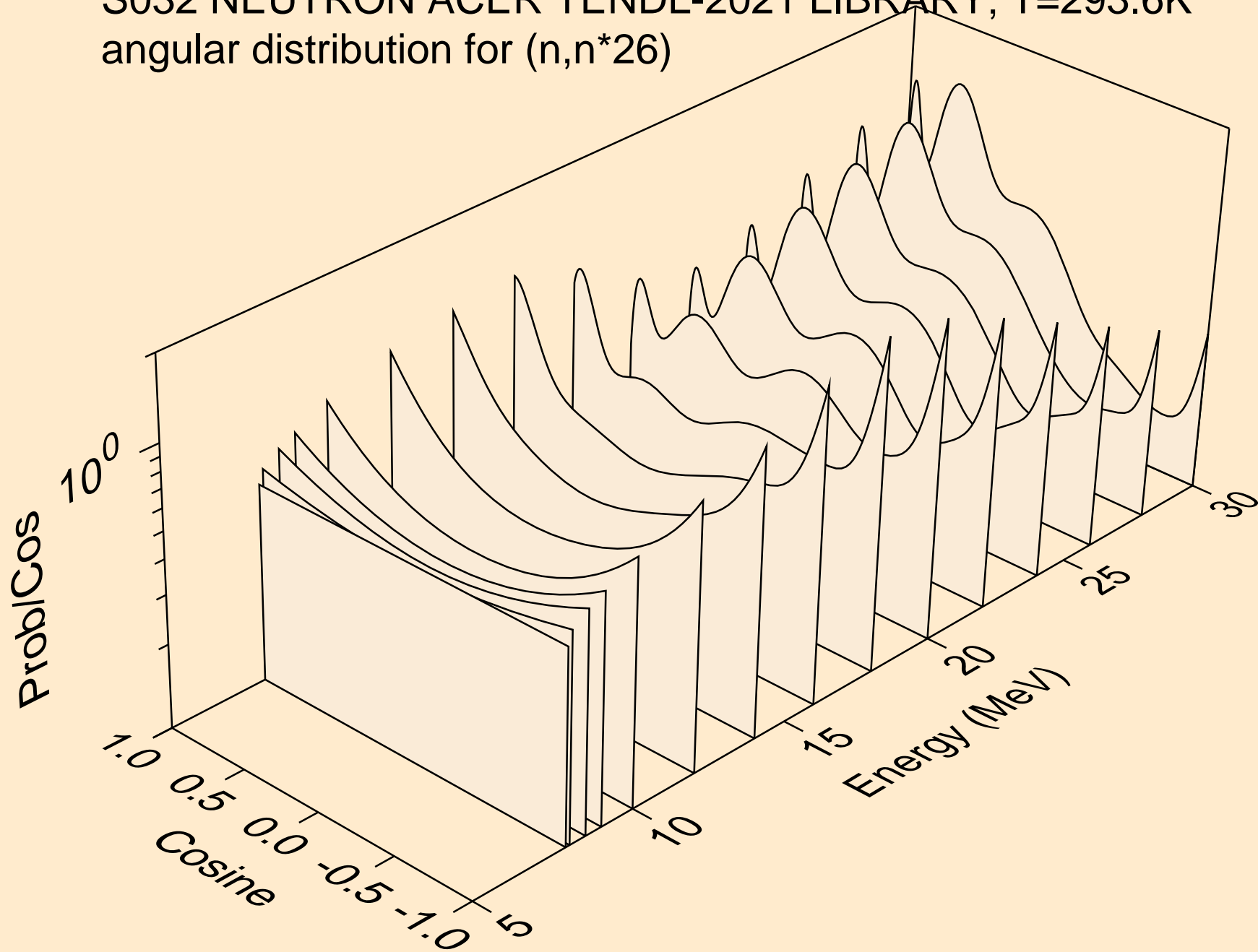
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*24)



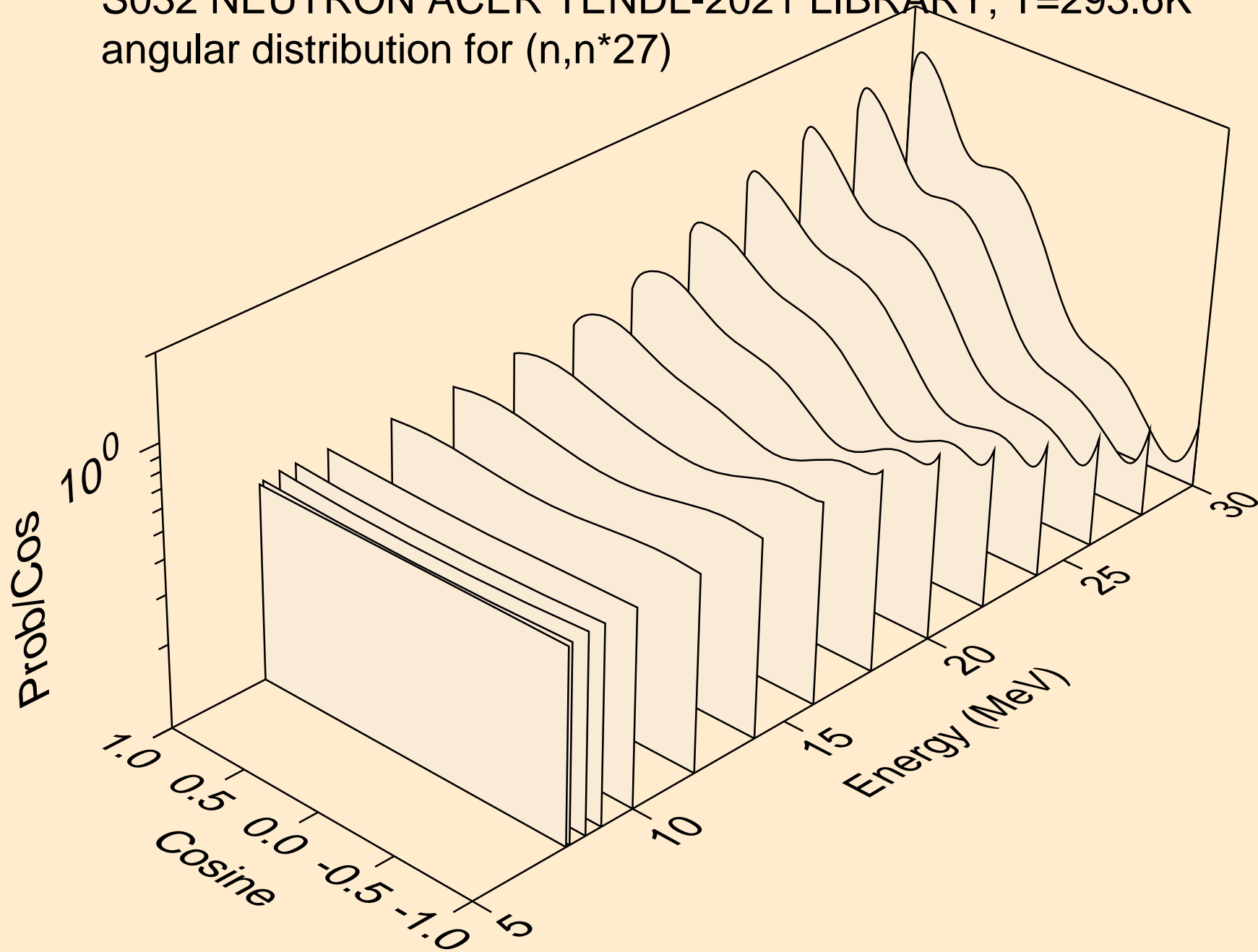
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angular distribution for (n,n\*25)



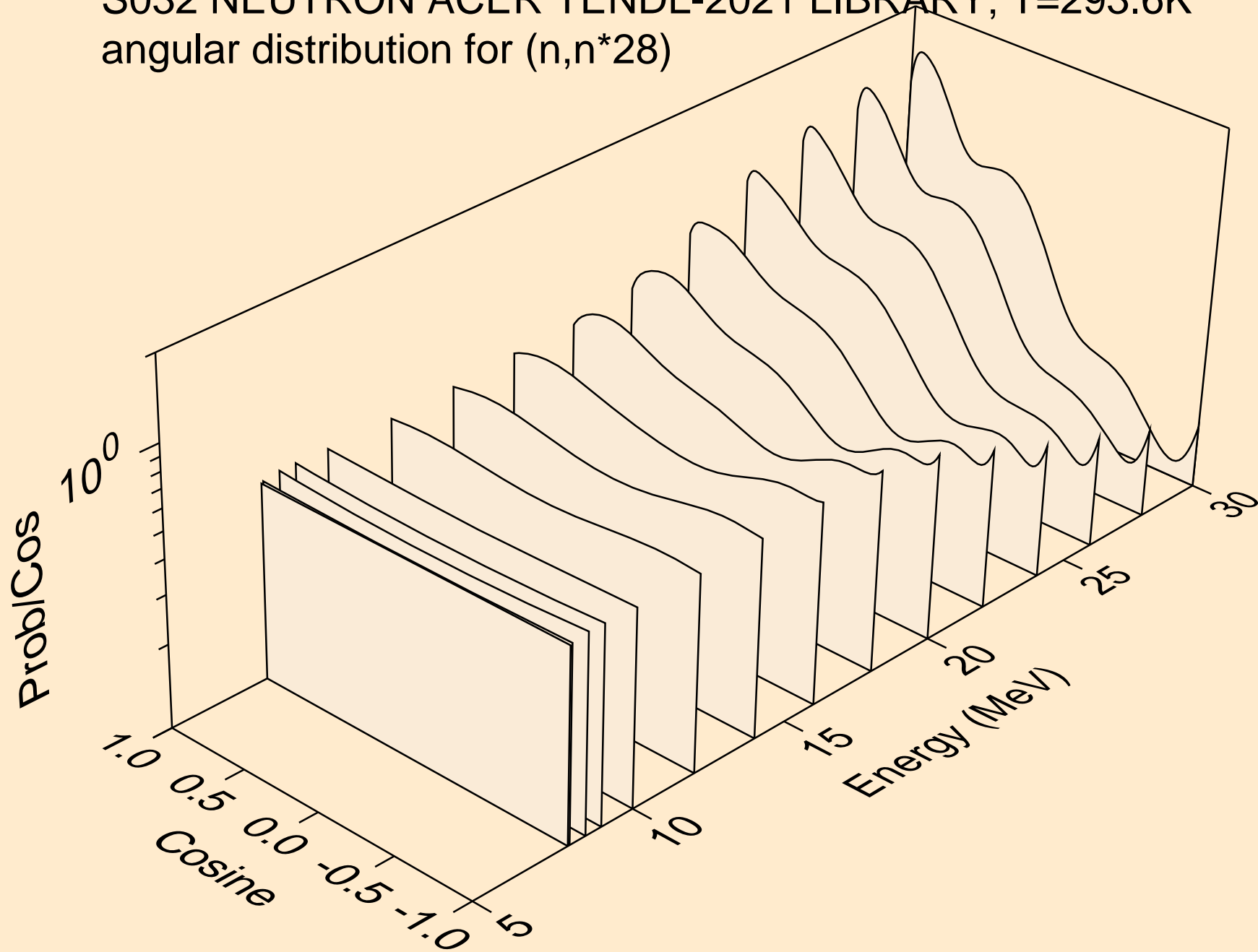
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*26)



S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*27)

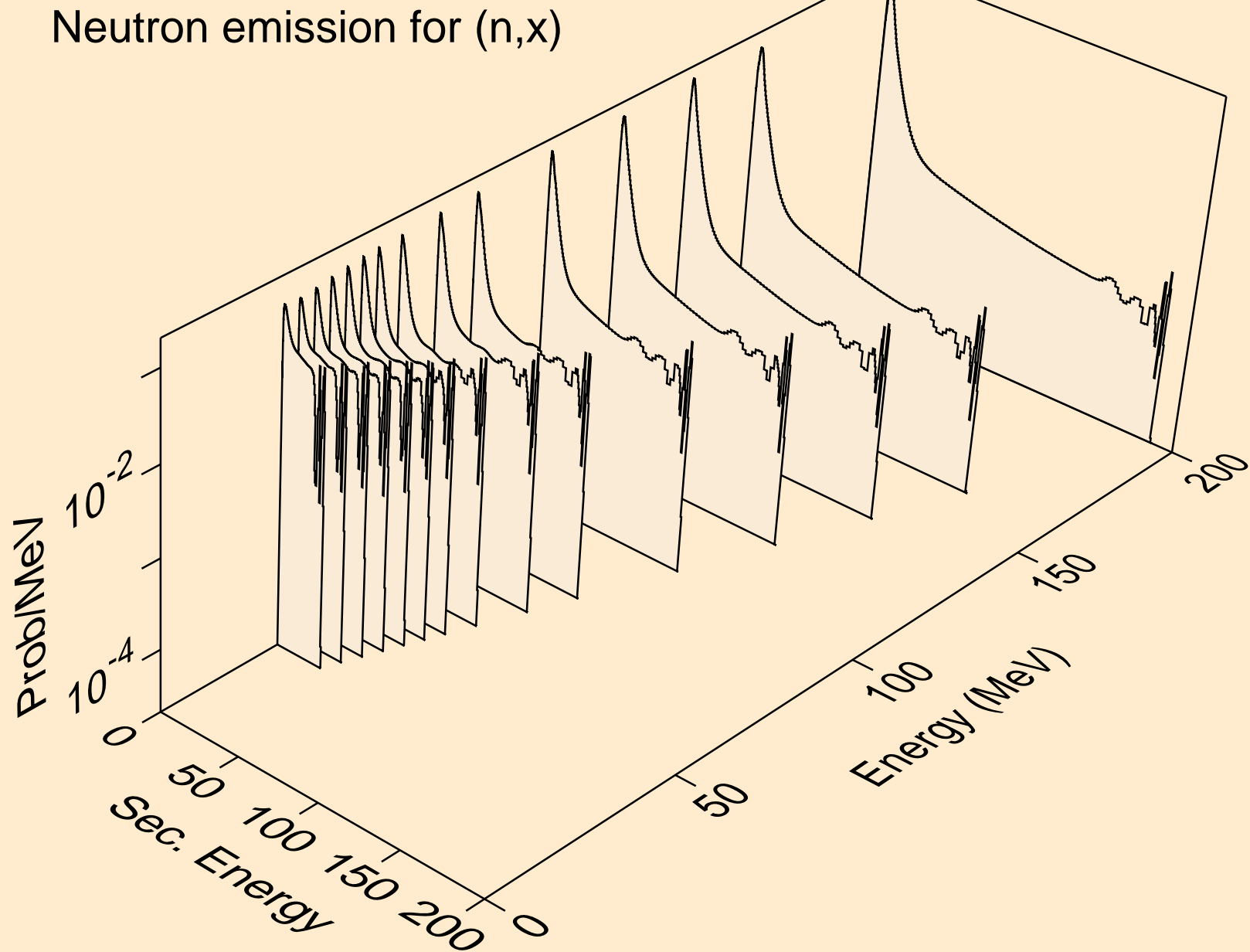


S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*28)

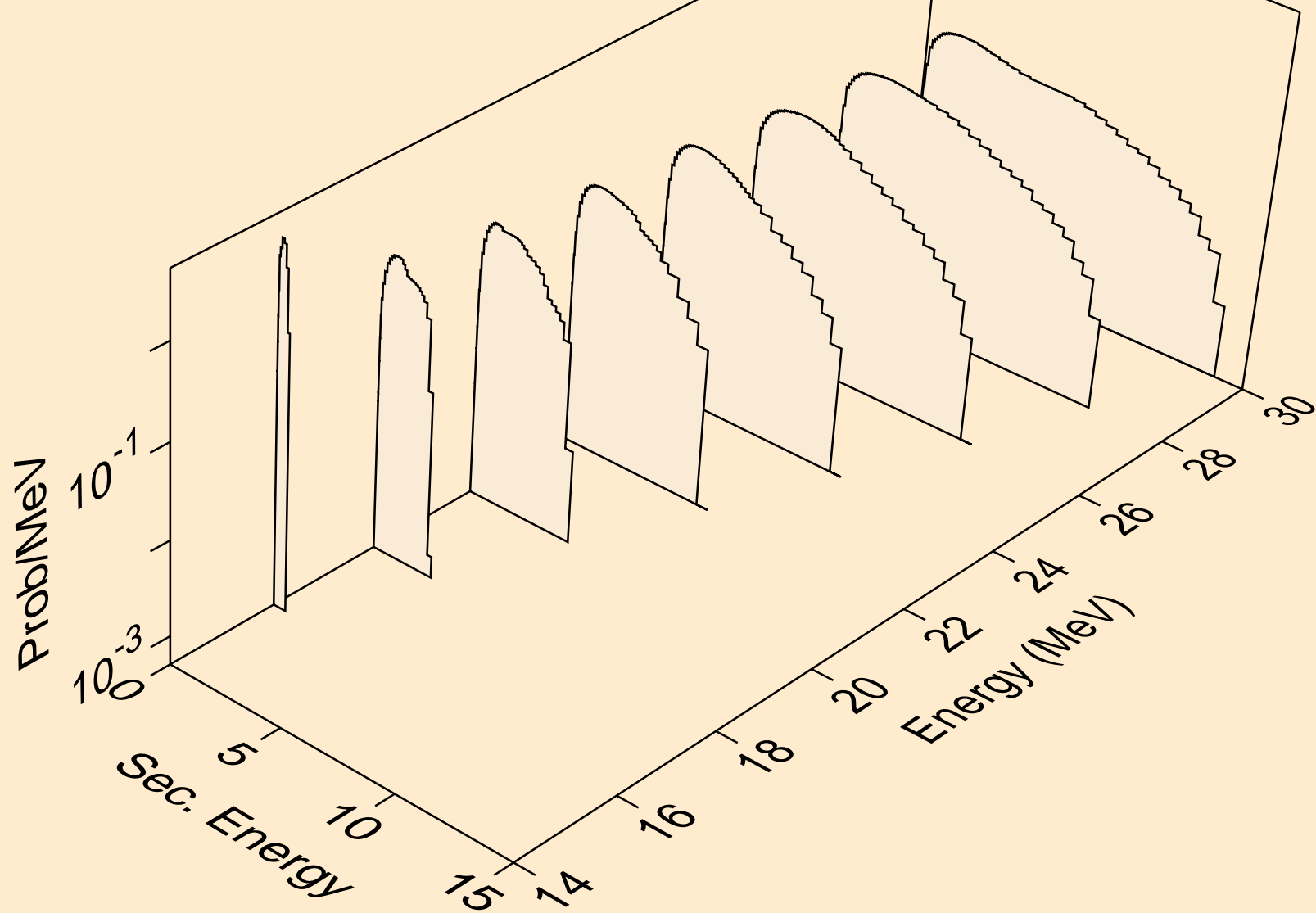




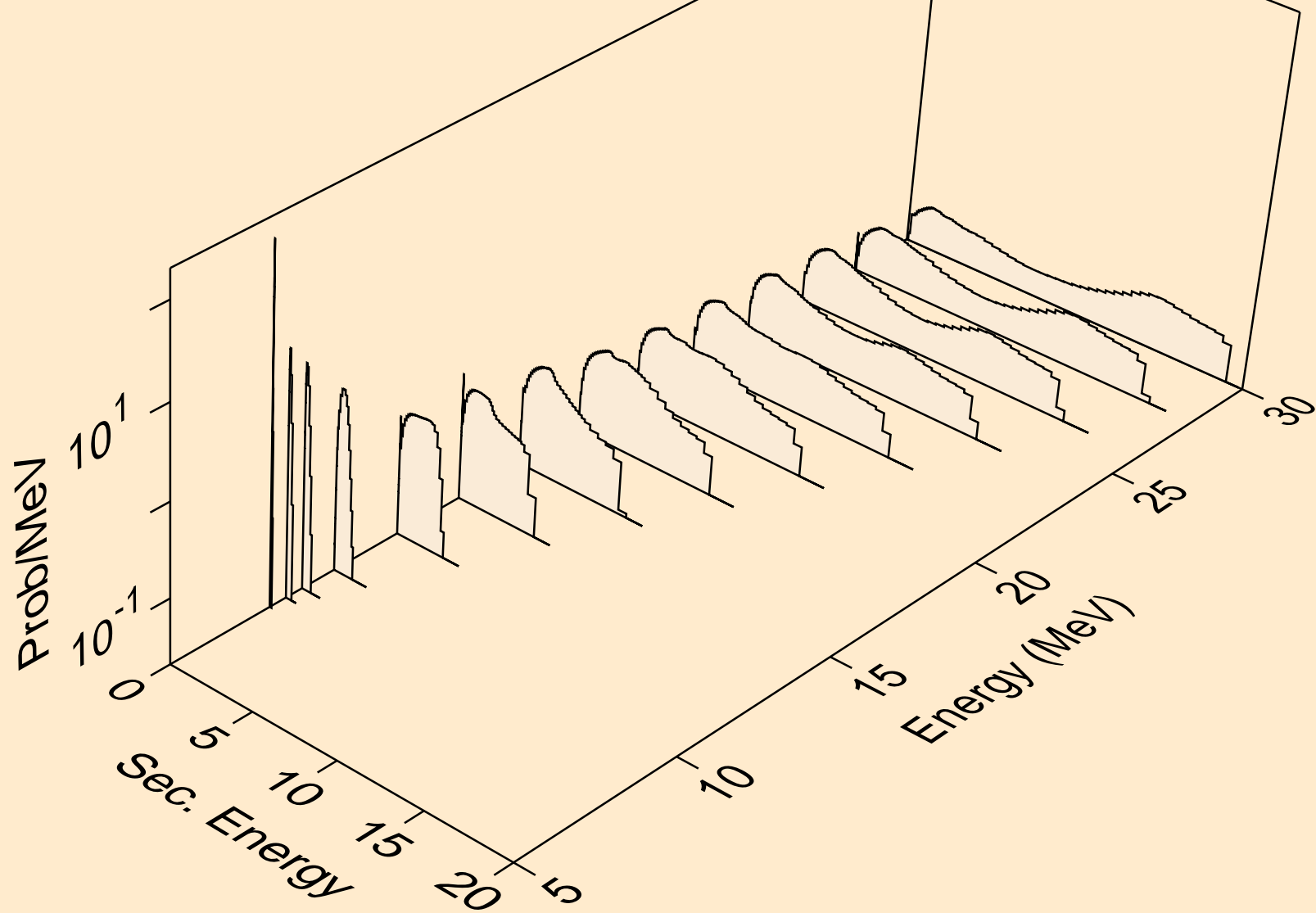
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)



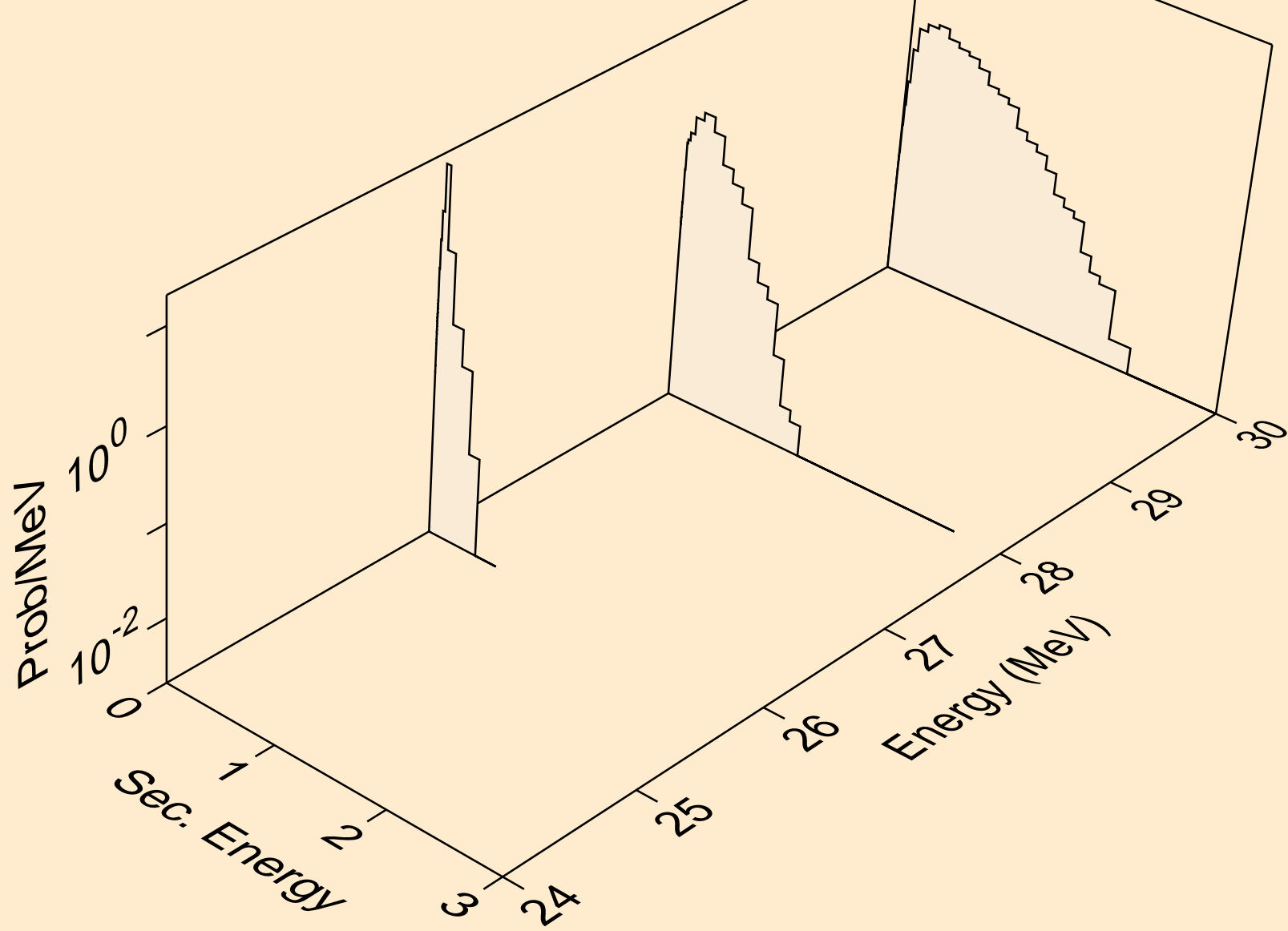
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



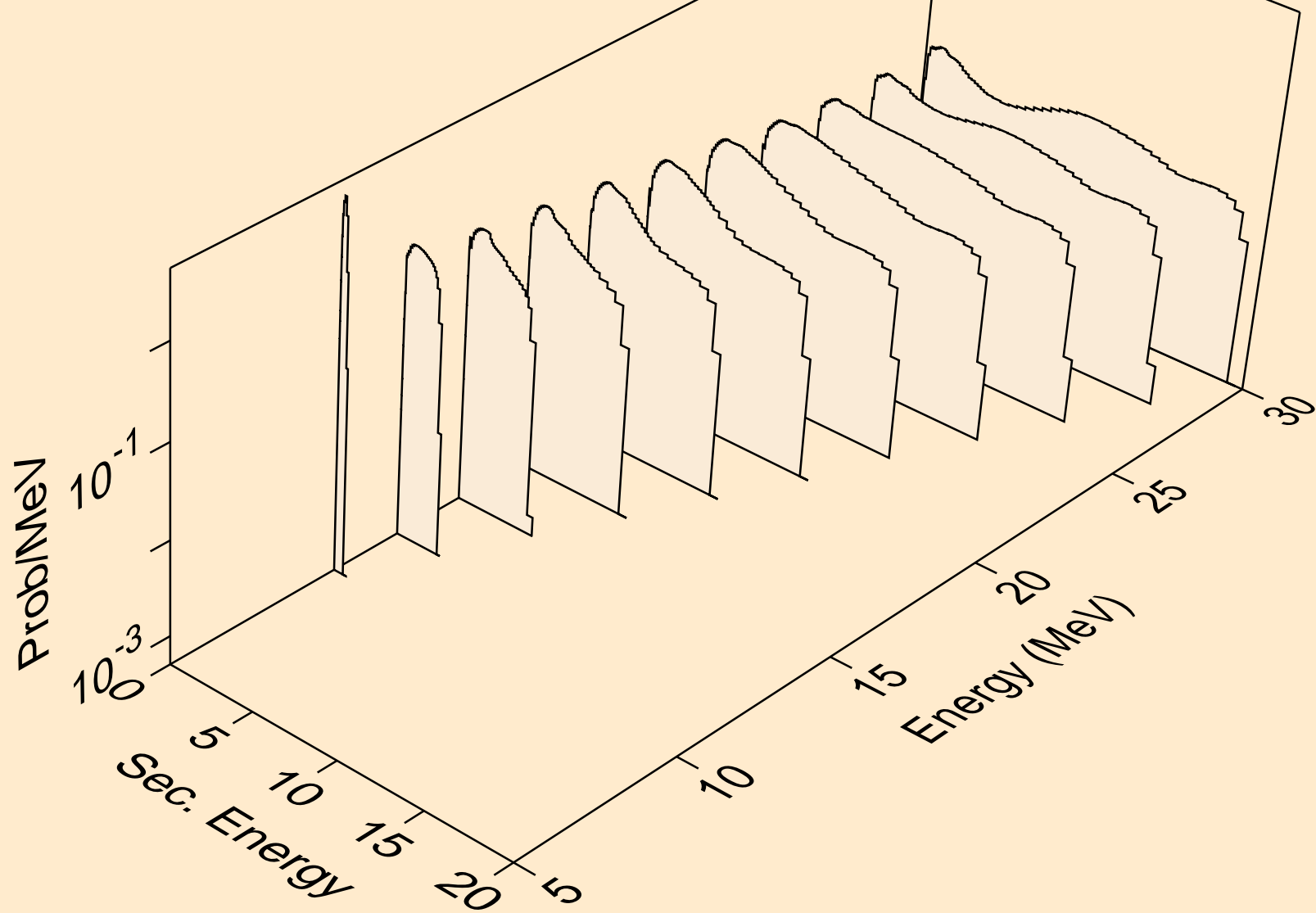
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



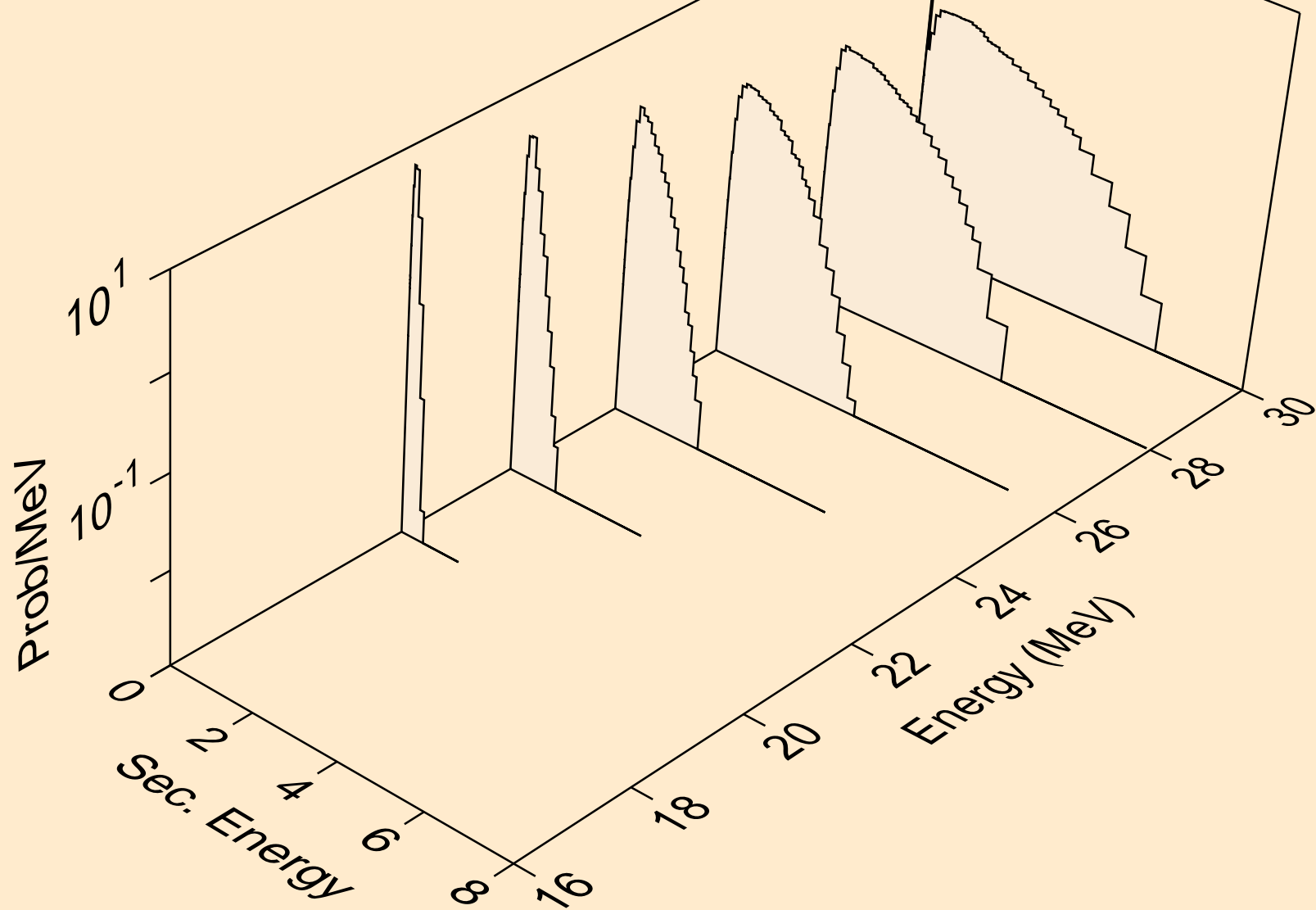
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)a



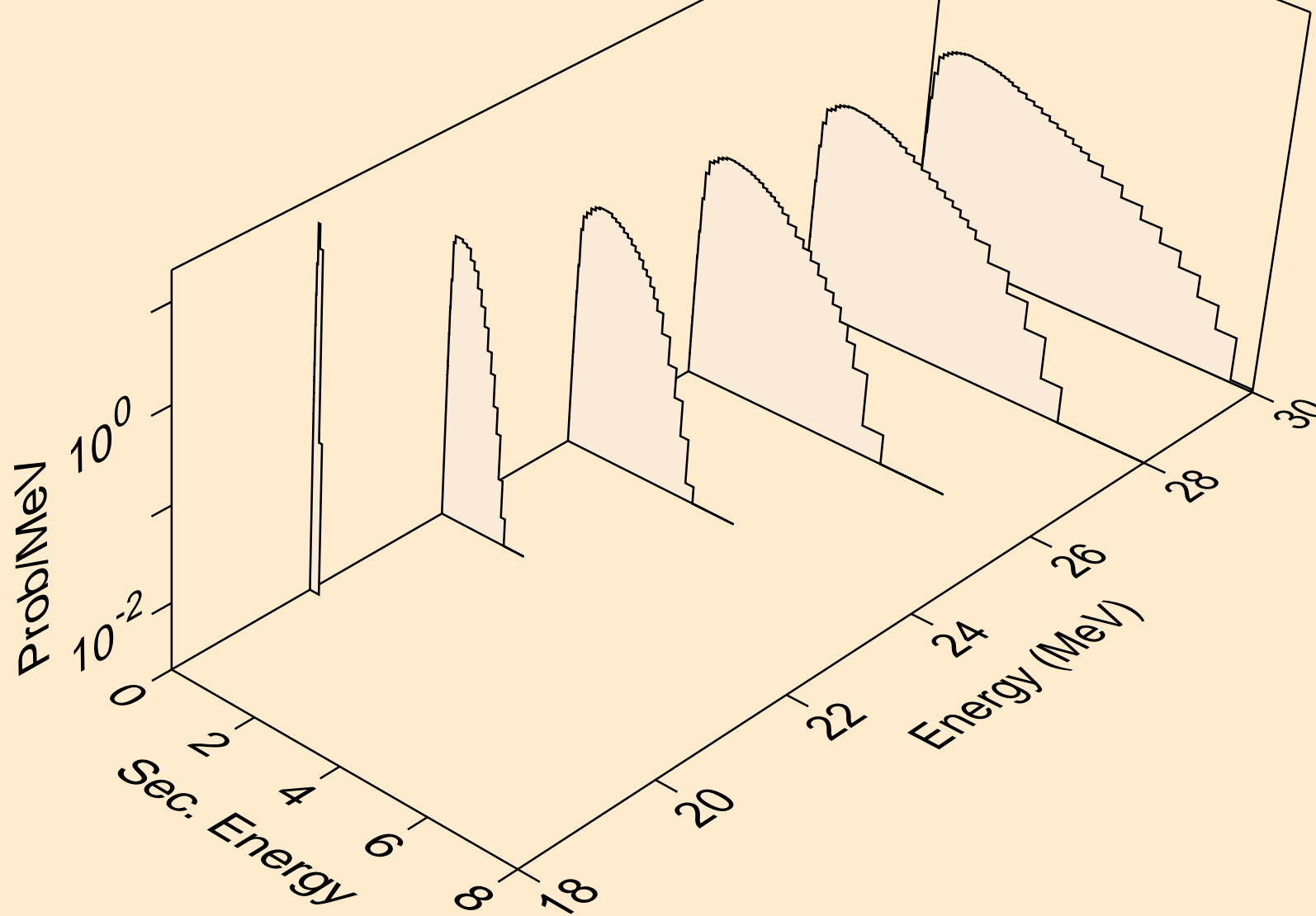
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



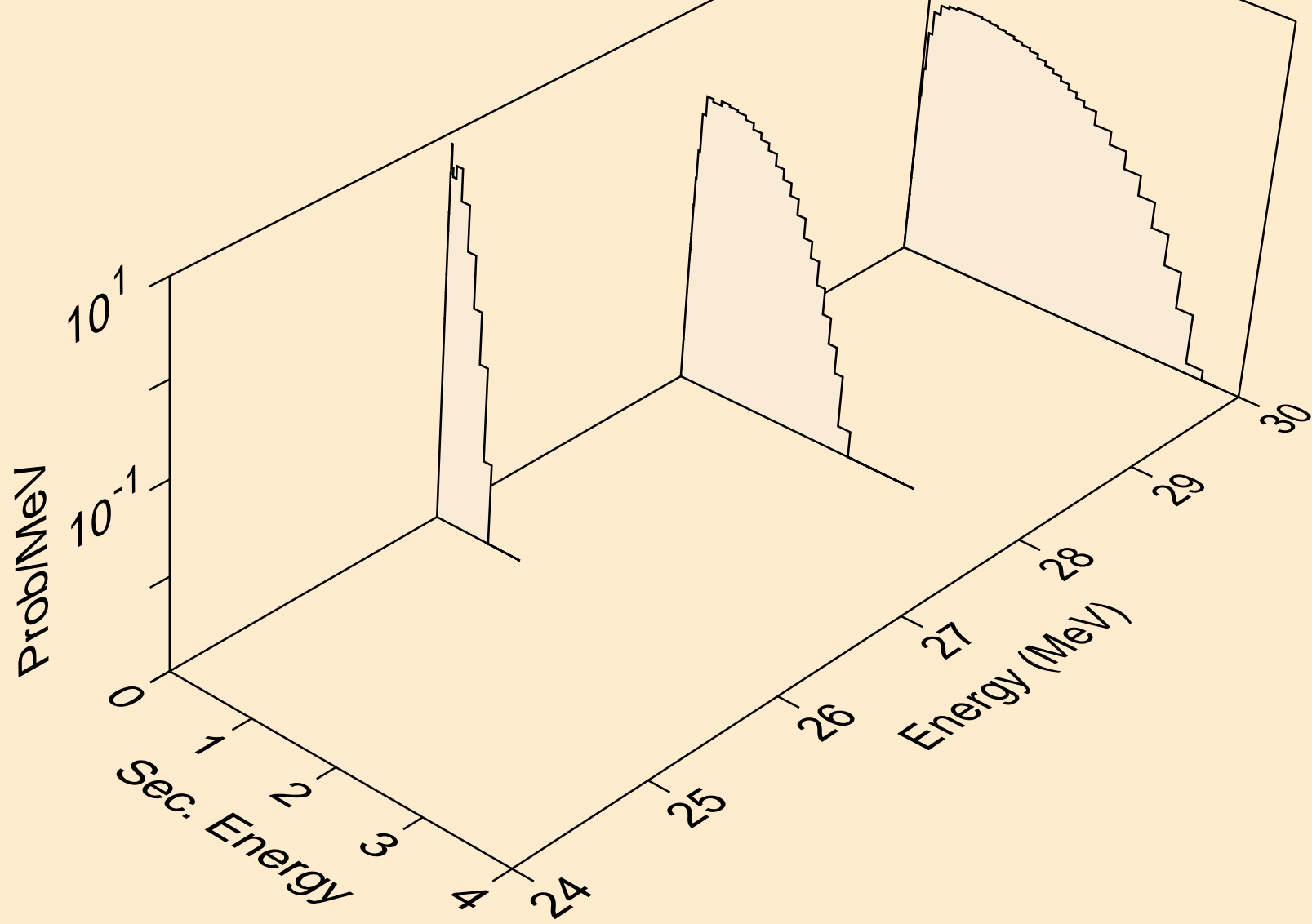
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a



S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d

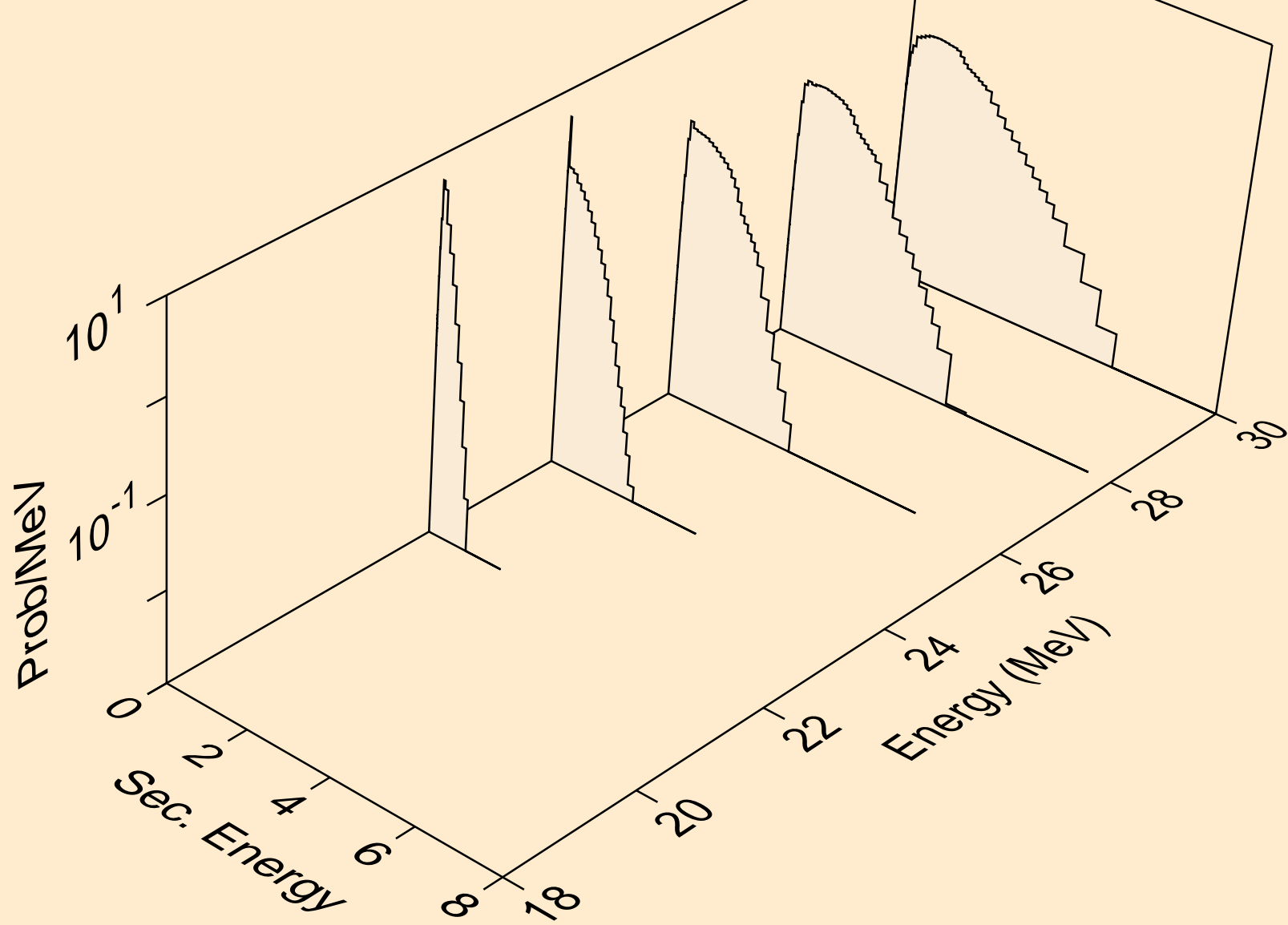


S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t

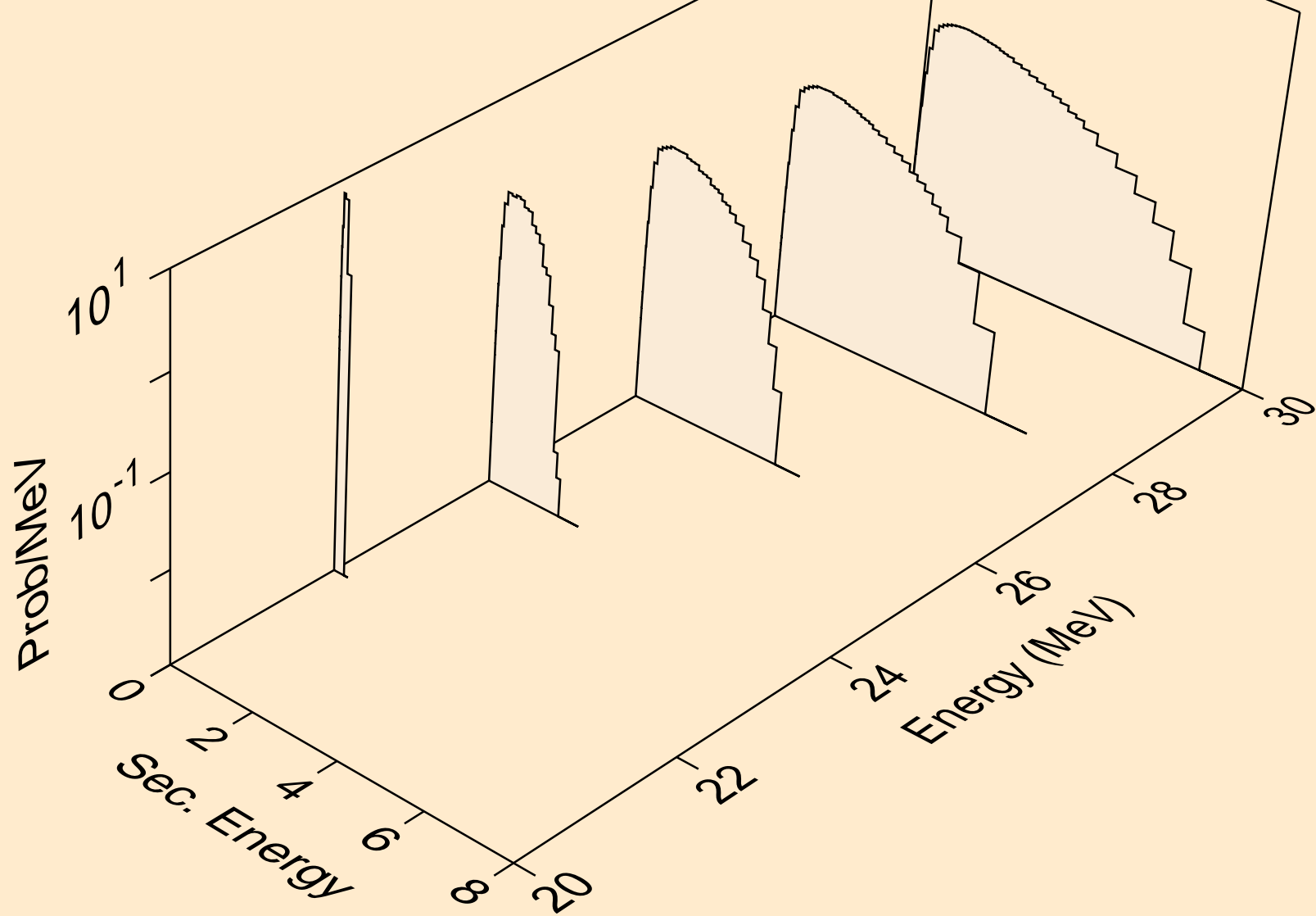




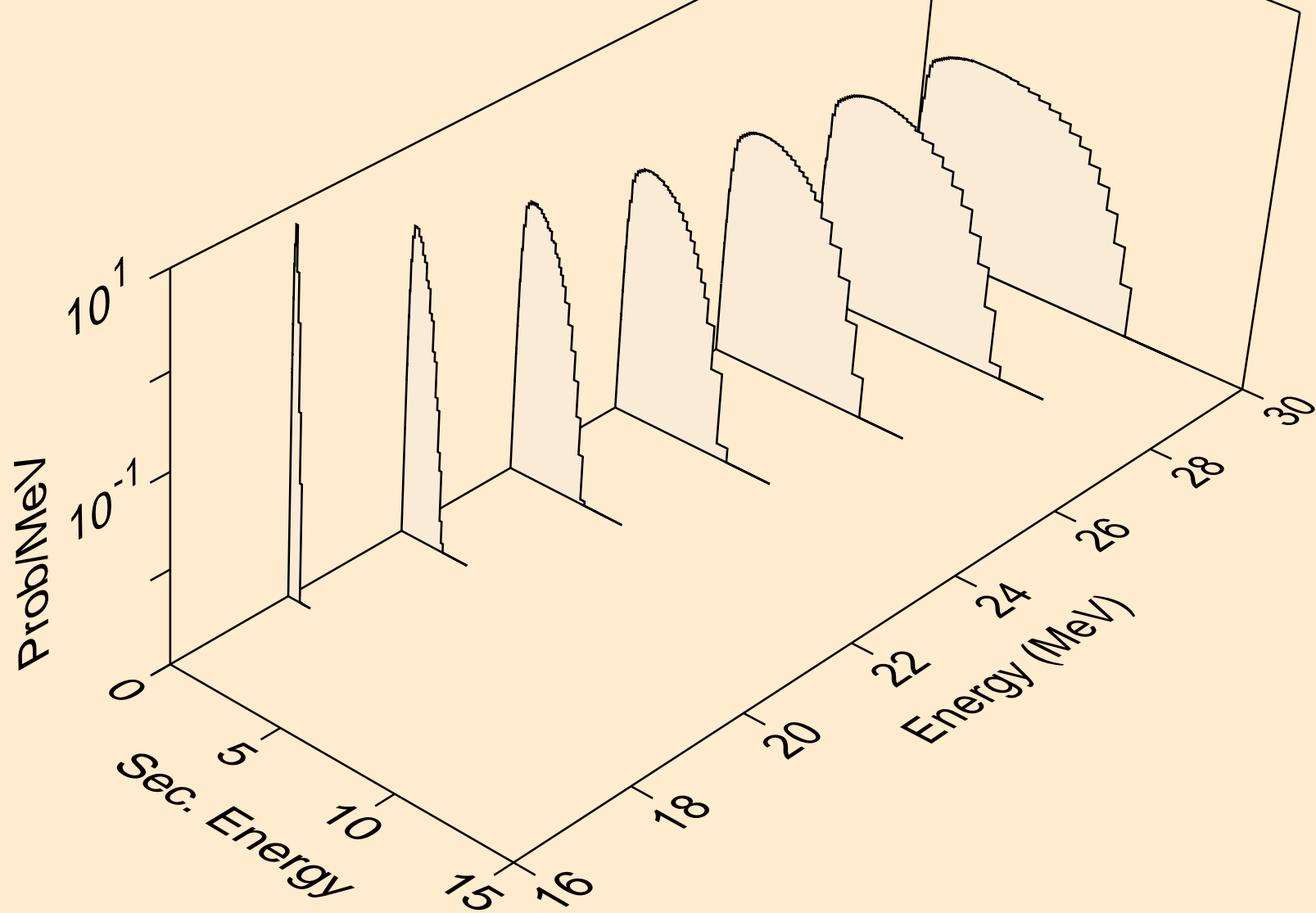
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



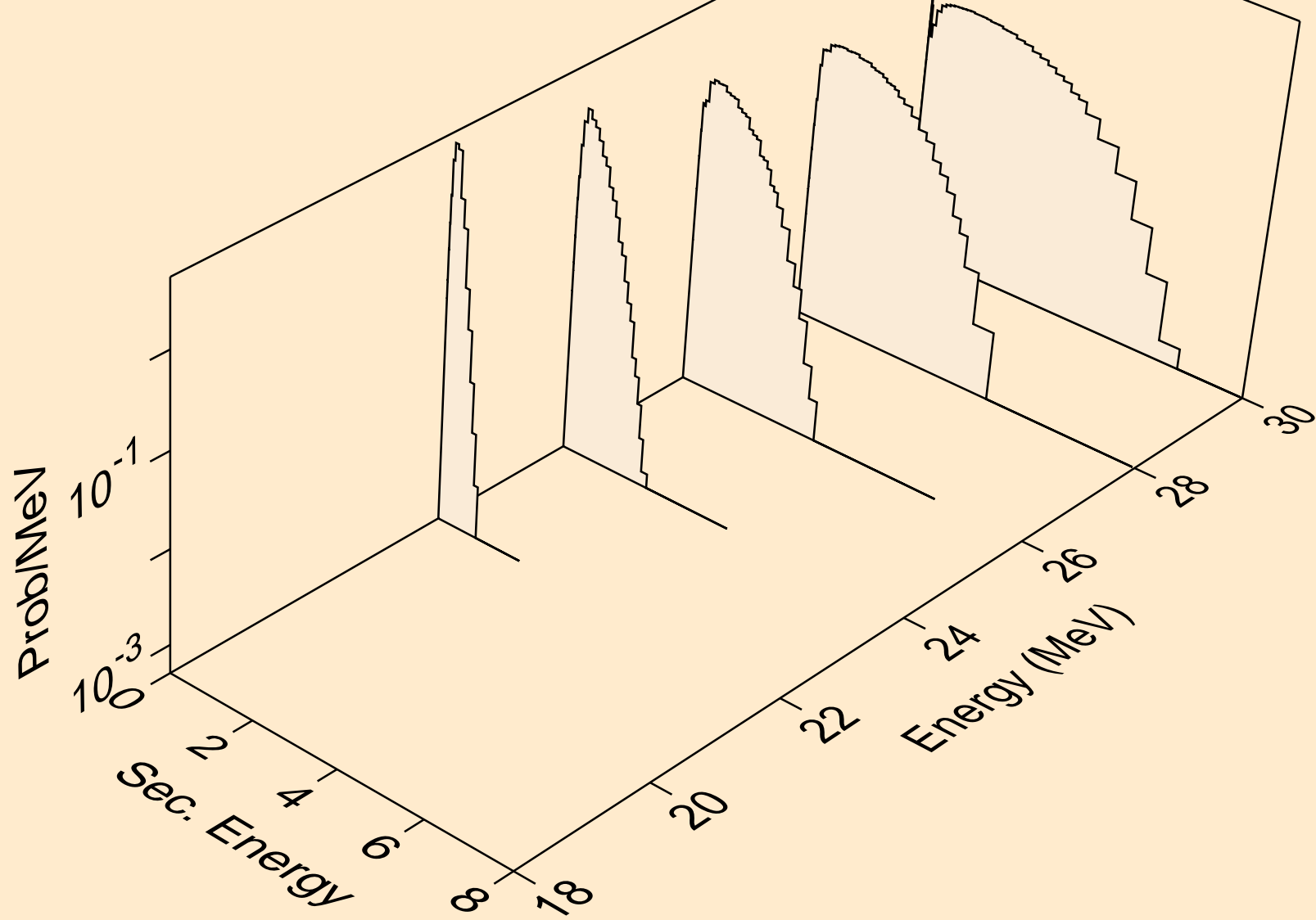
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



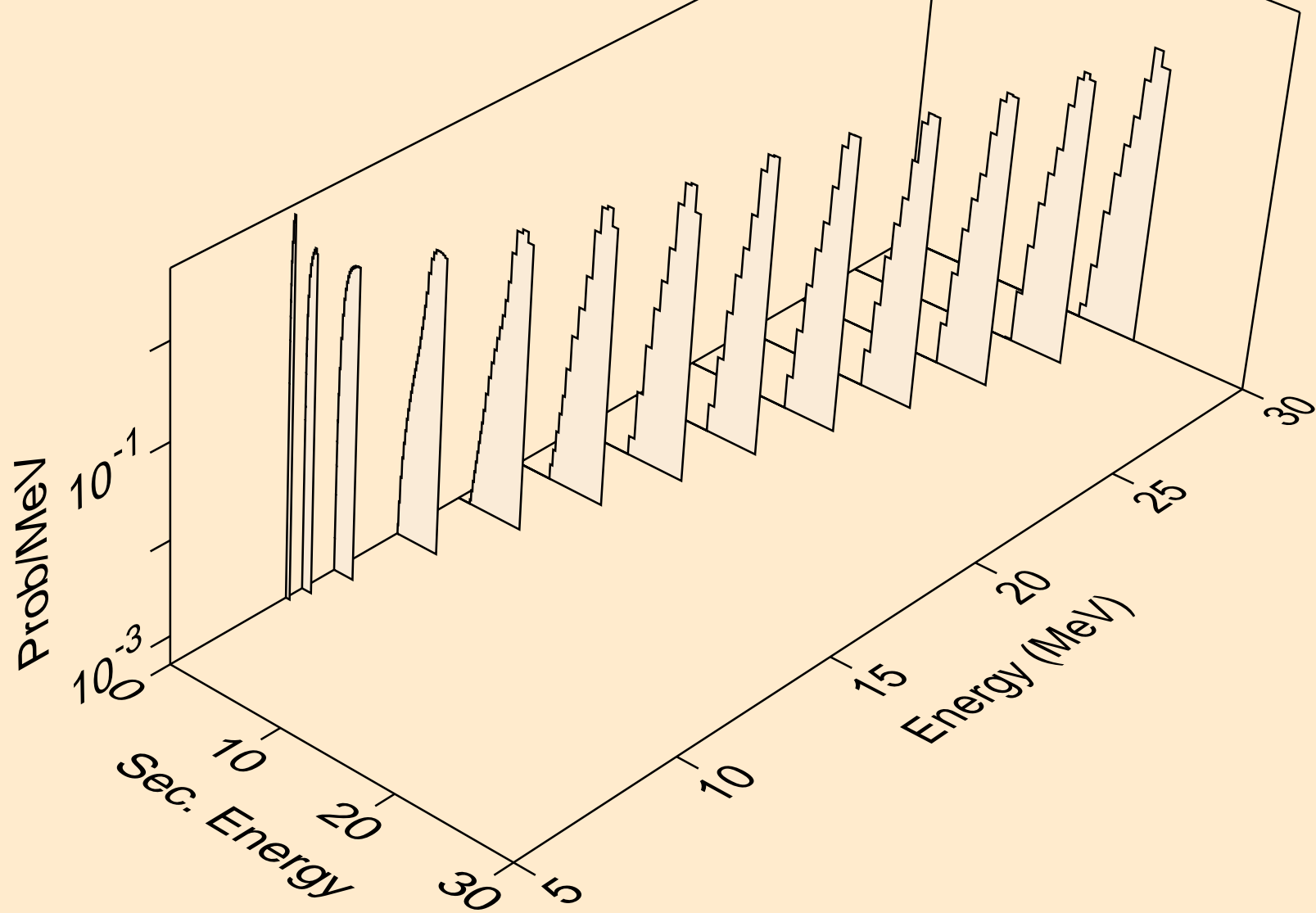
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



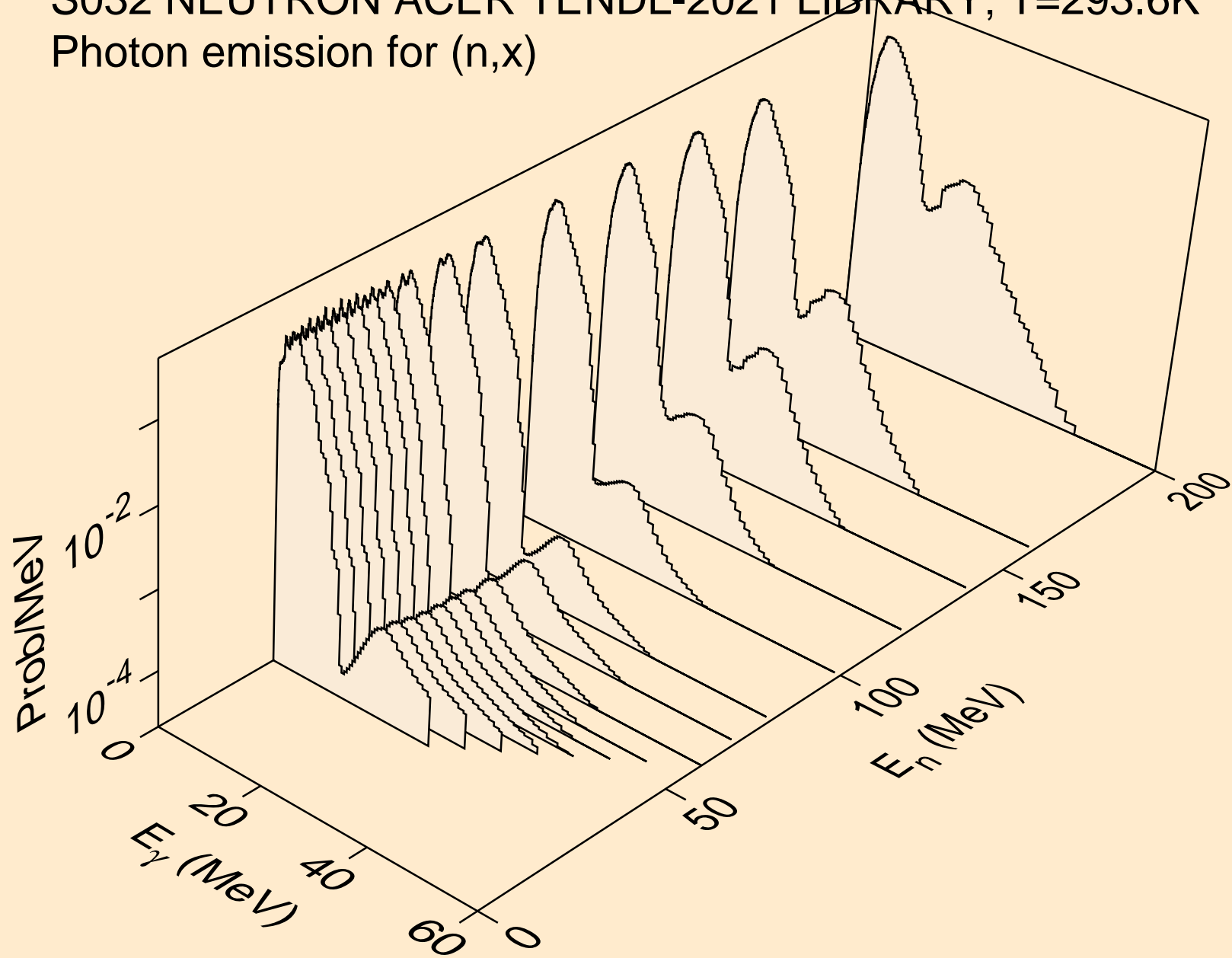
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)



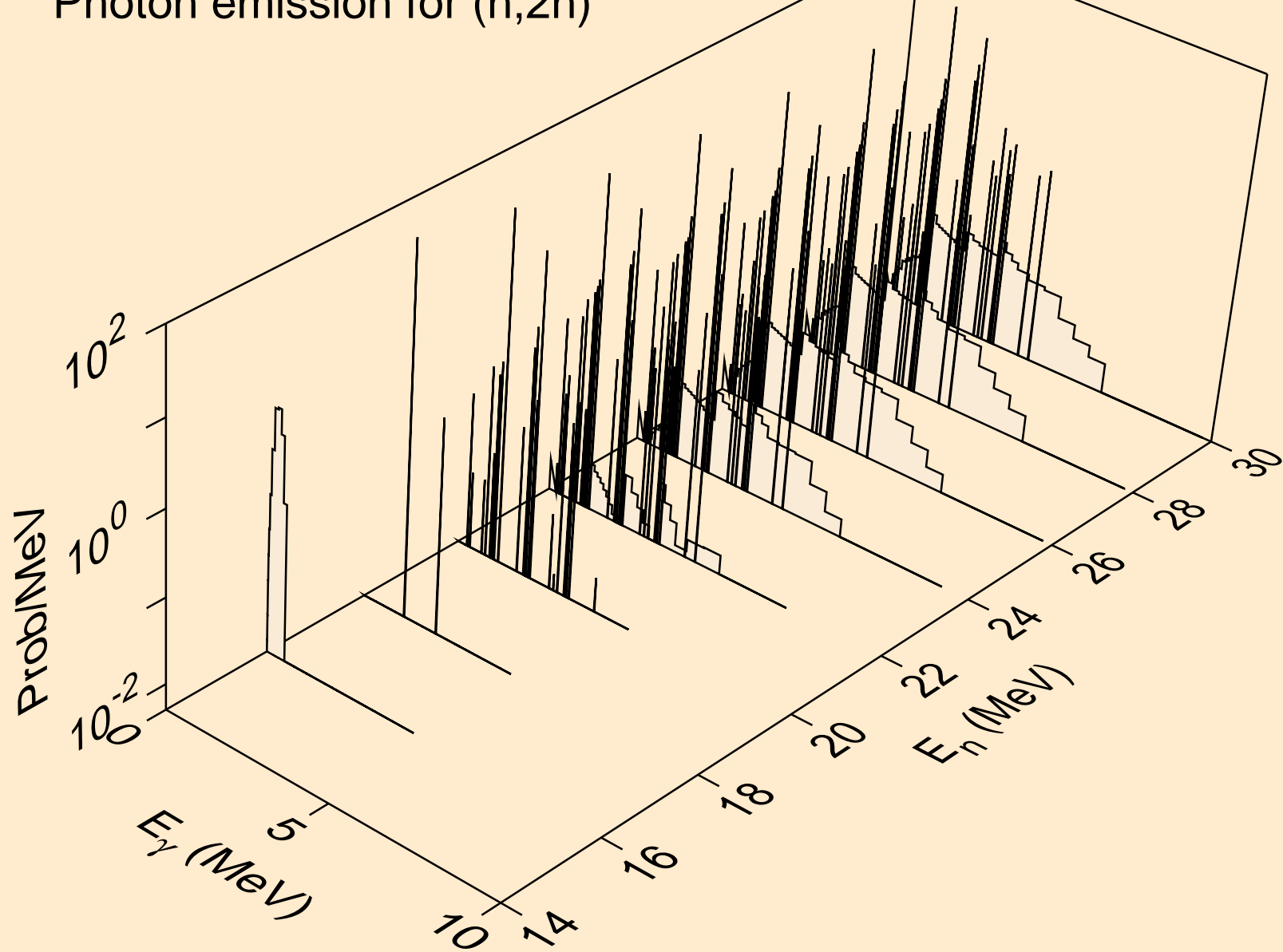
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



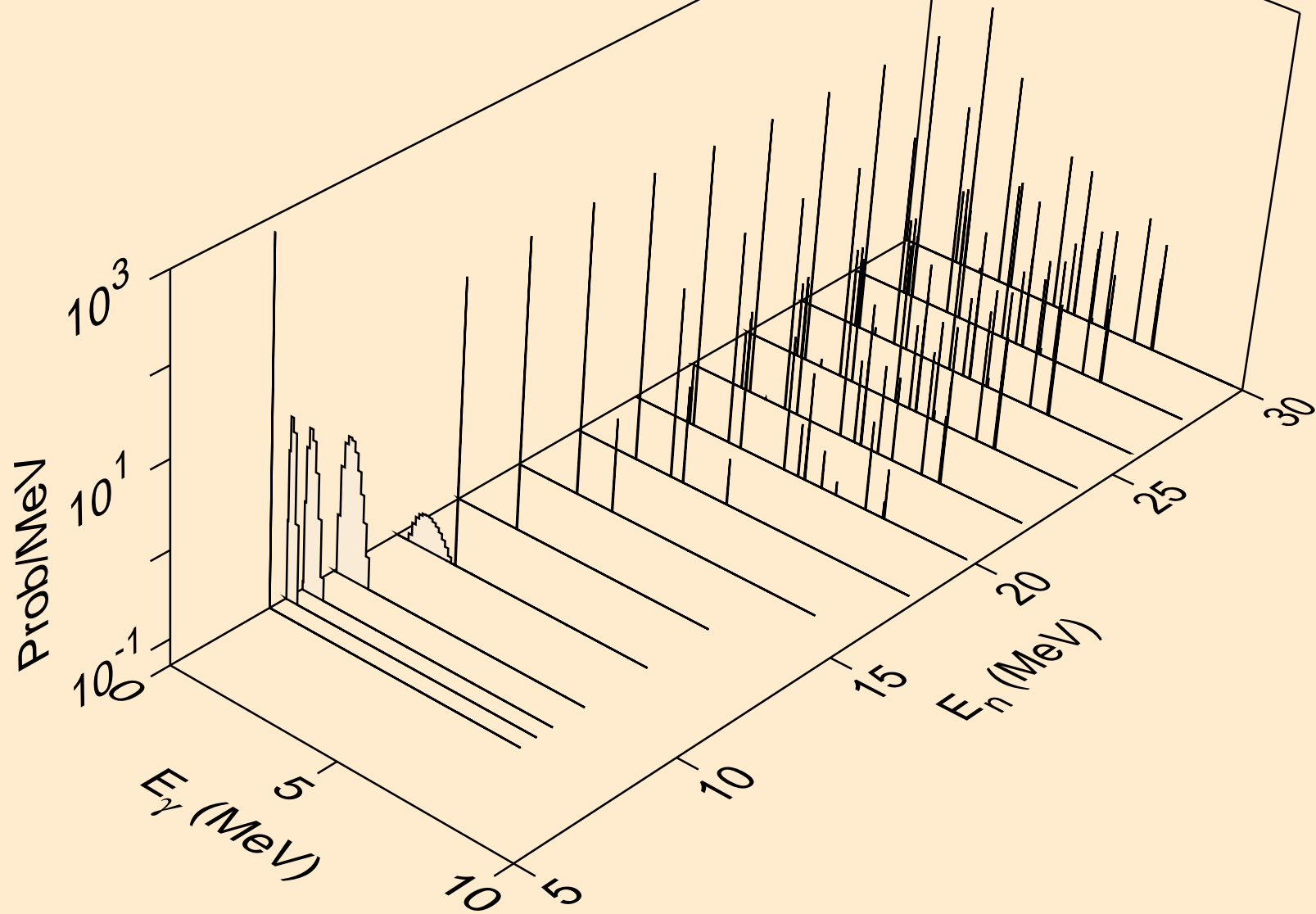
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)



S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)

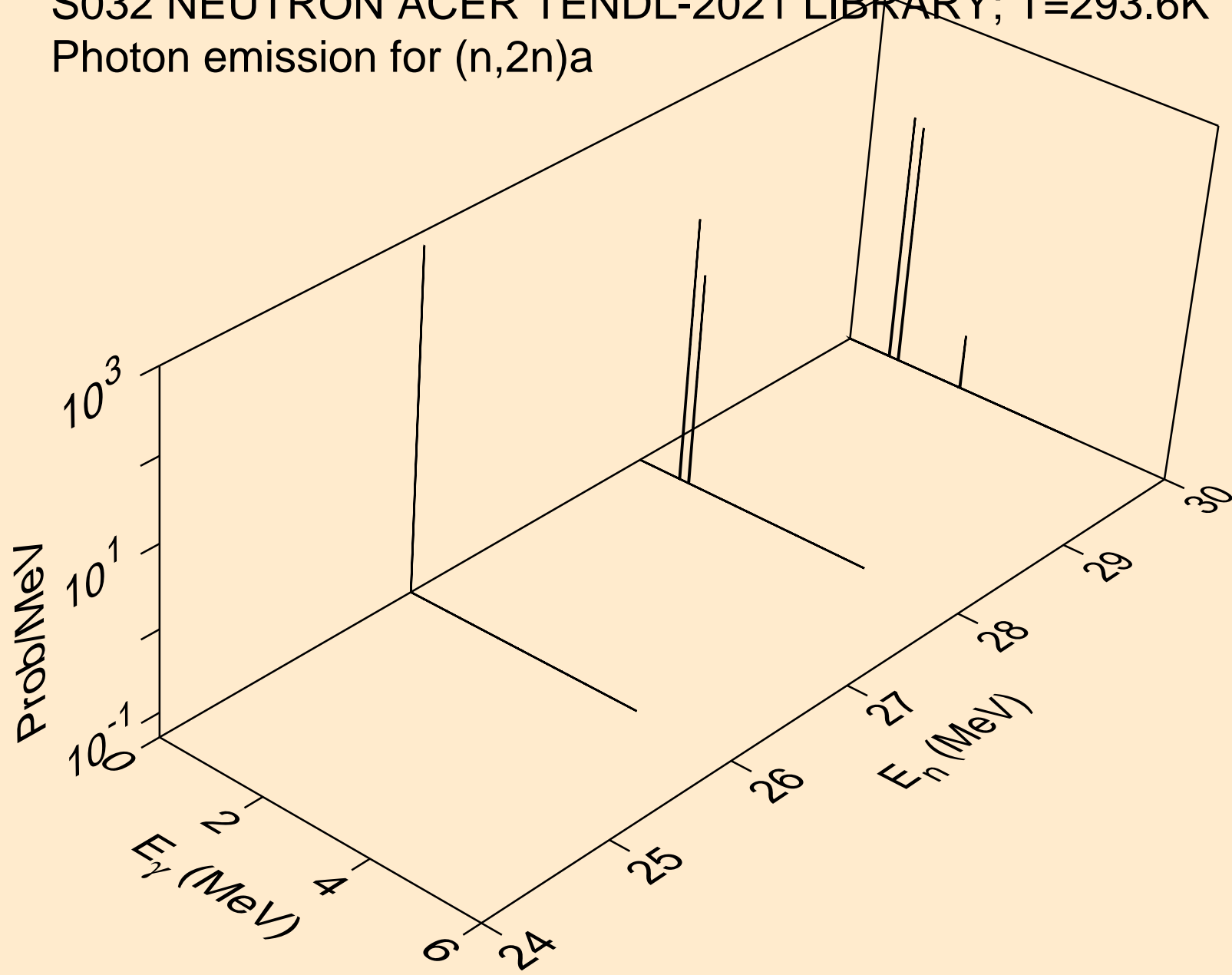


S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a

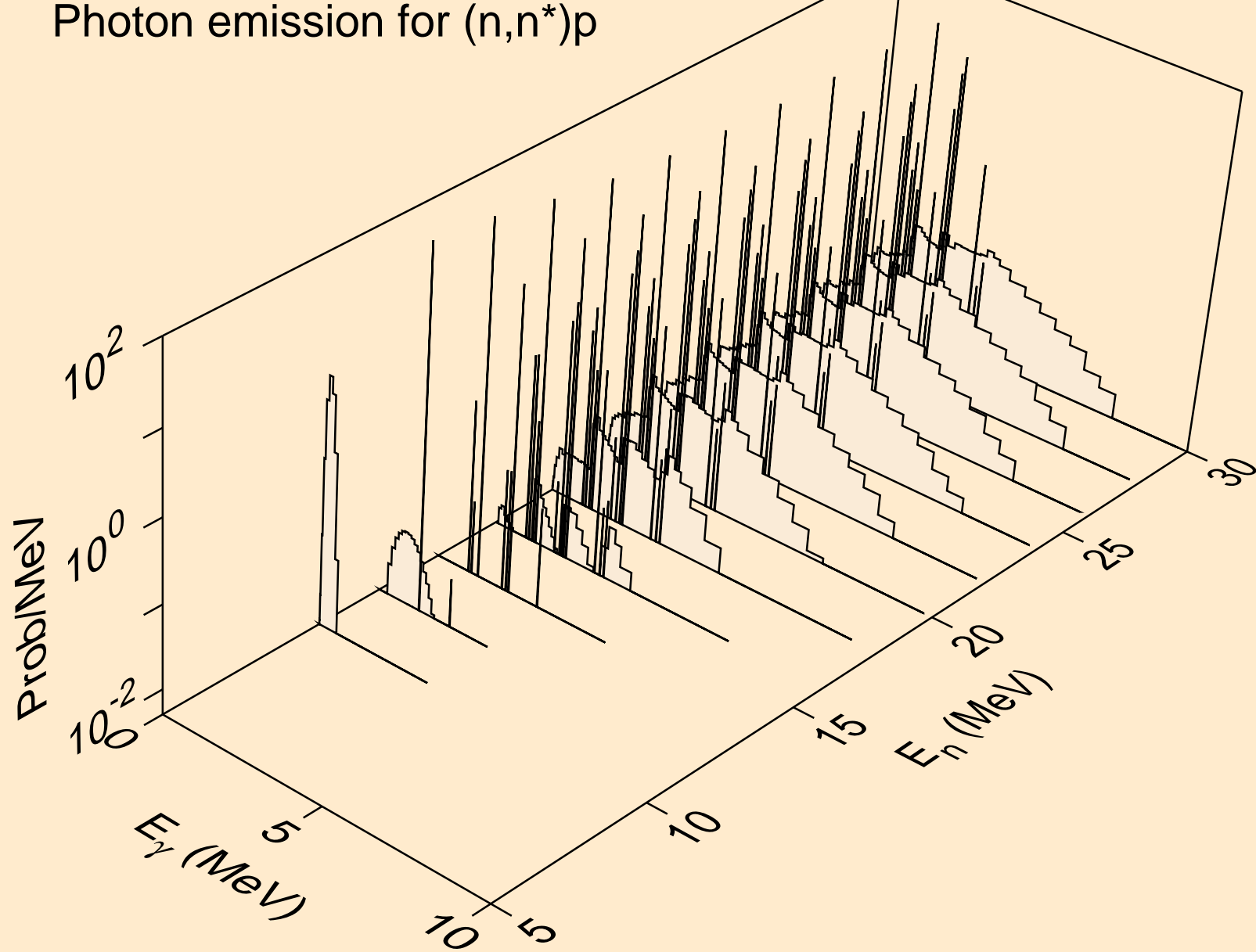




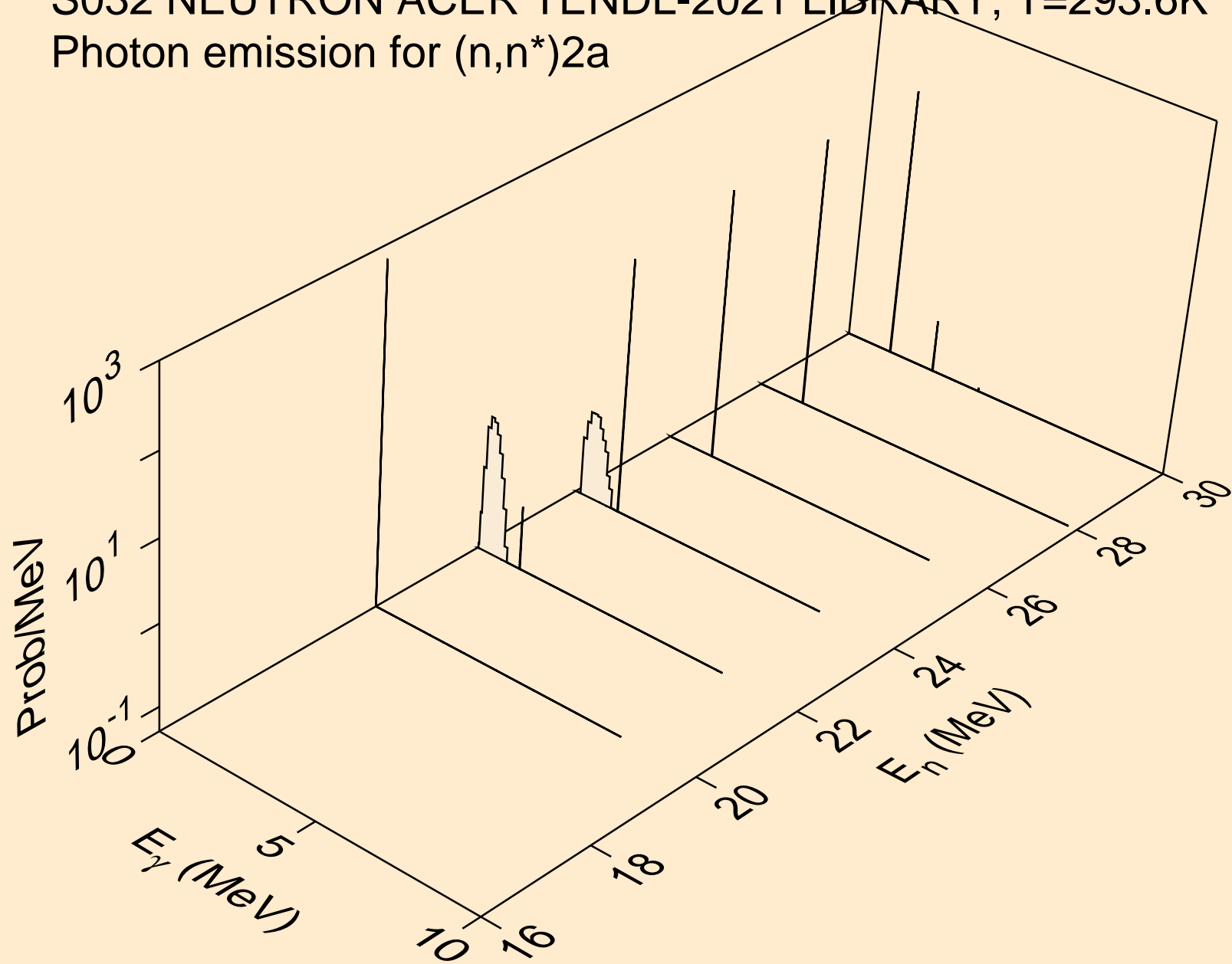
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)a



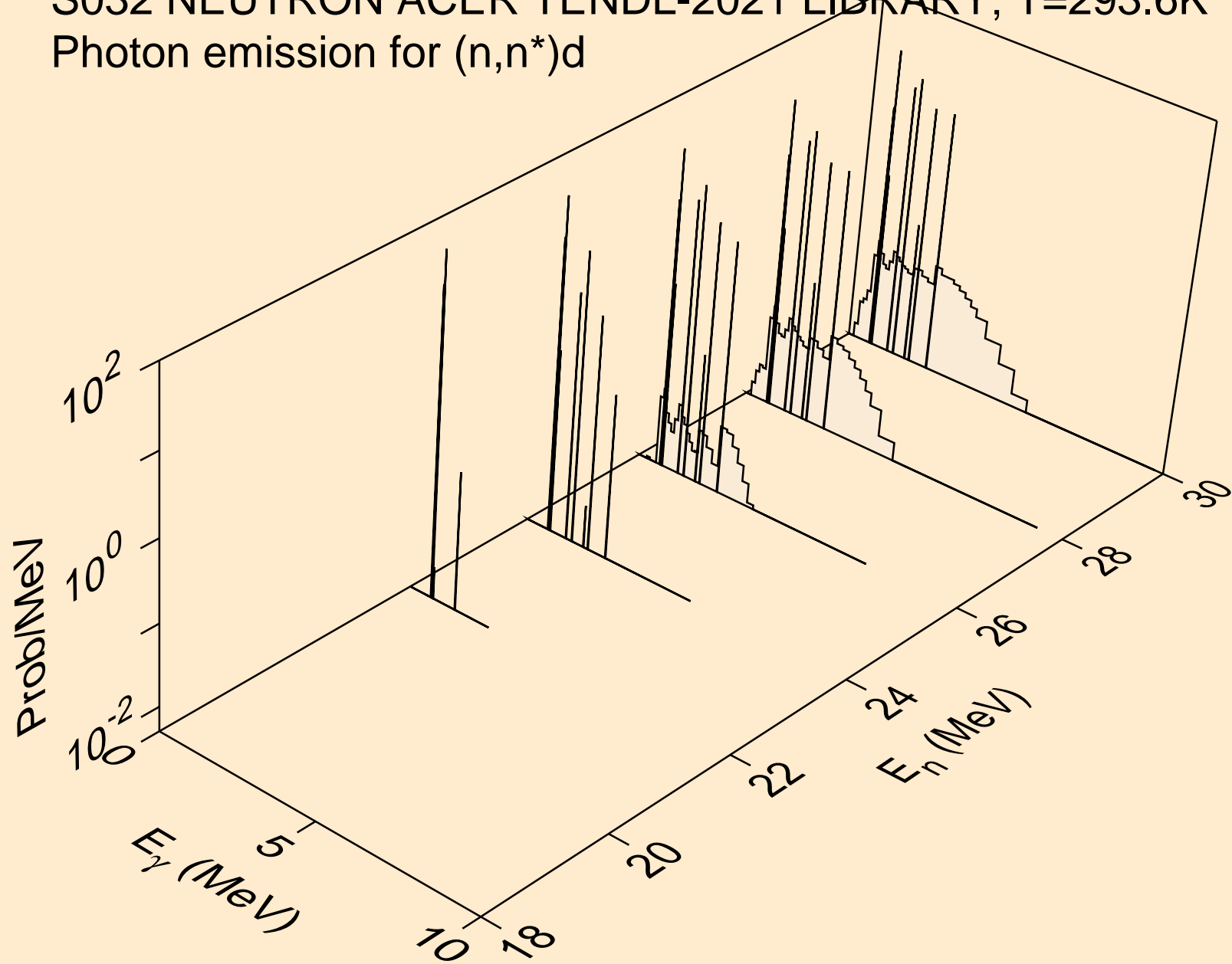
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



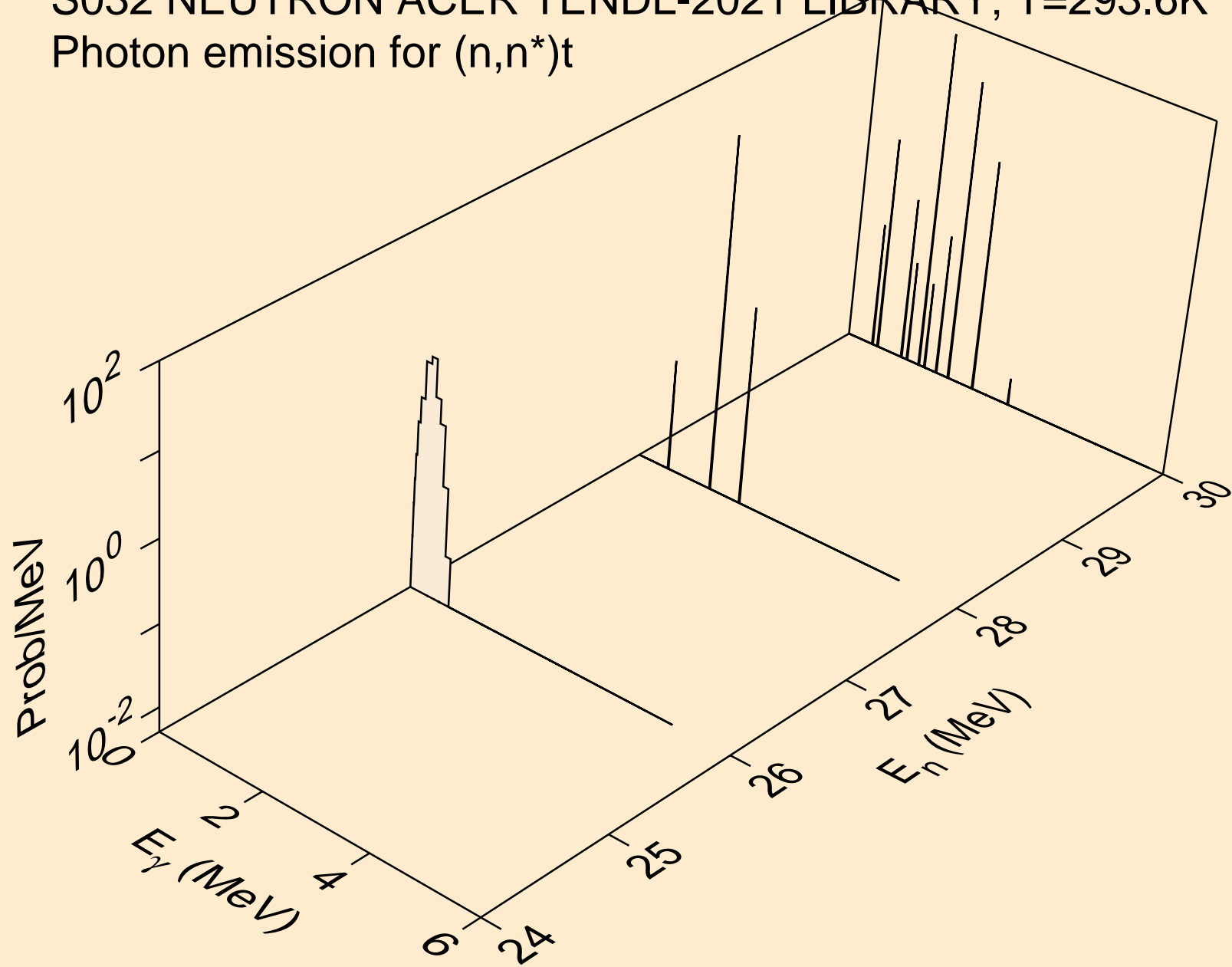
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Photon emission for (n,n\*)2a



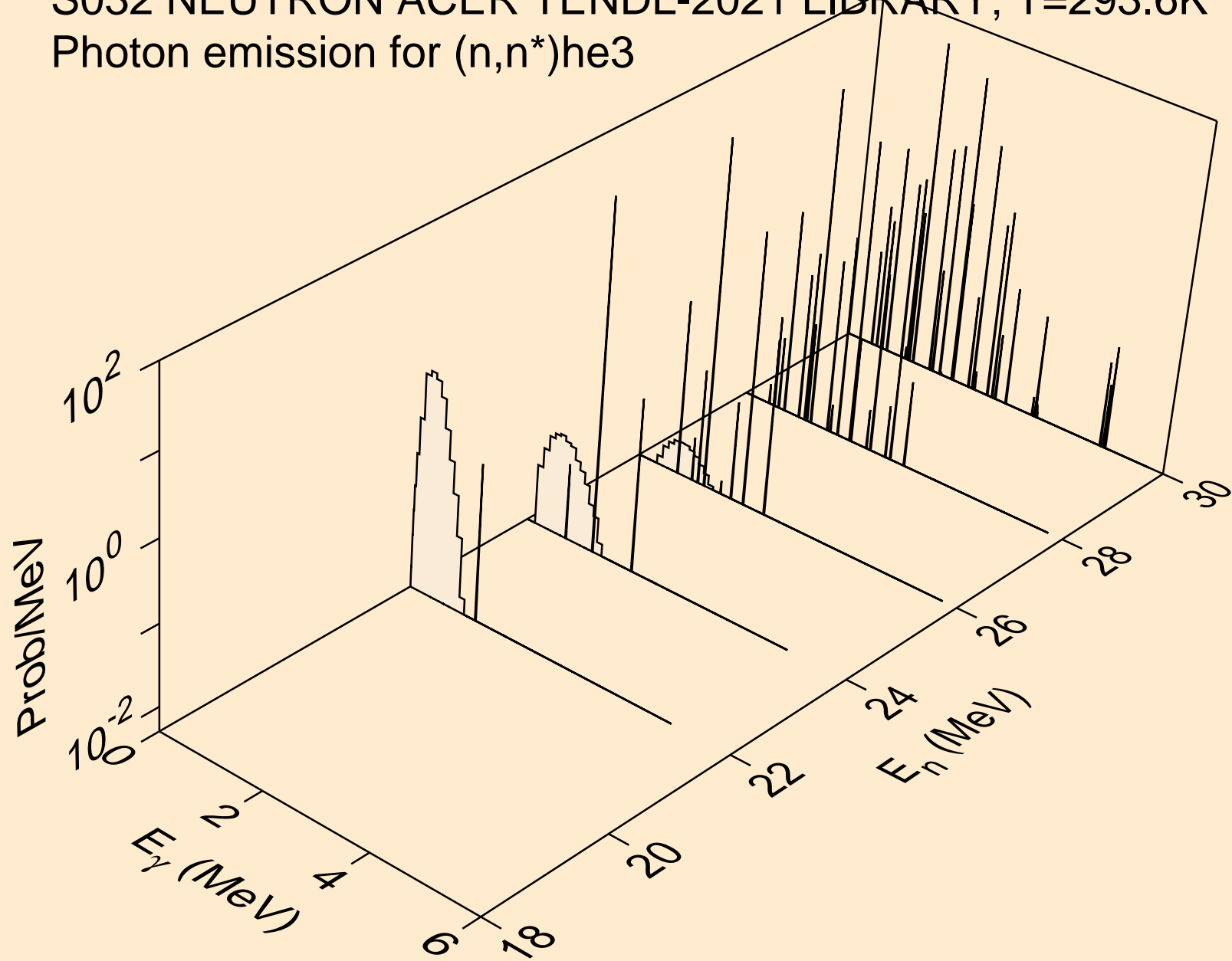
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Photon emission for (n,n\*)d



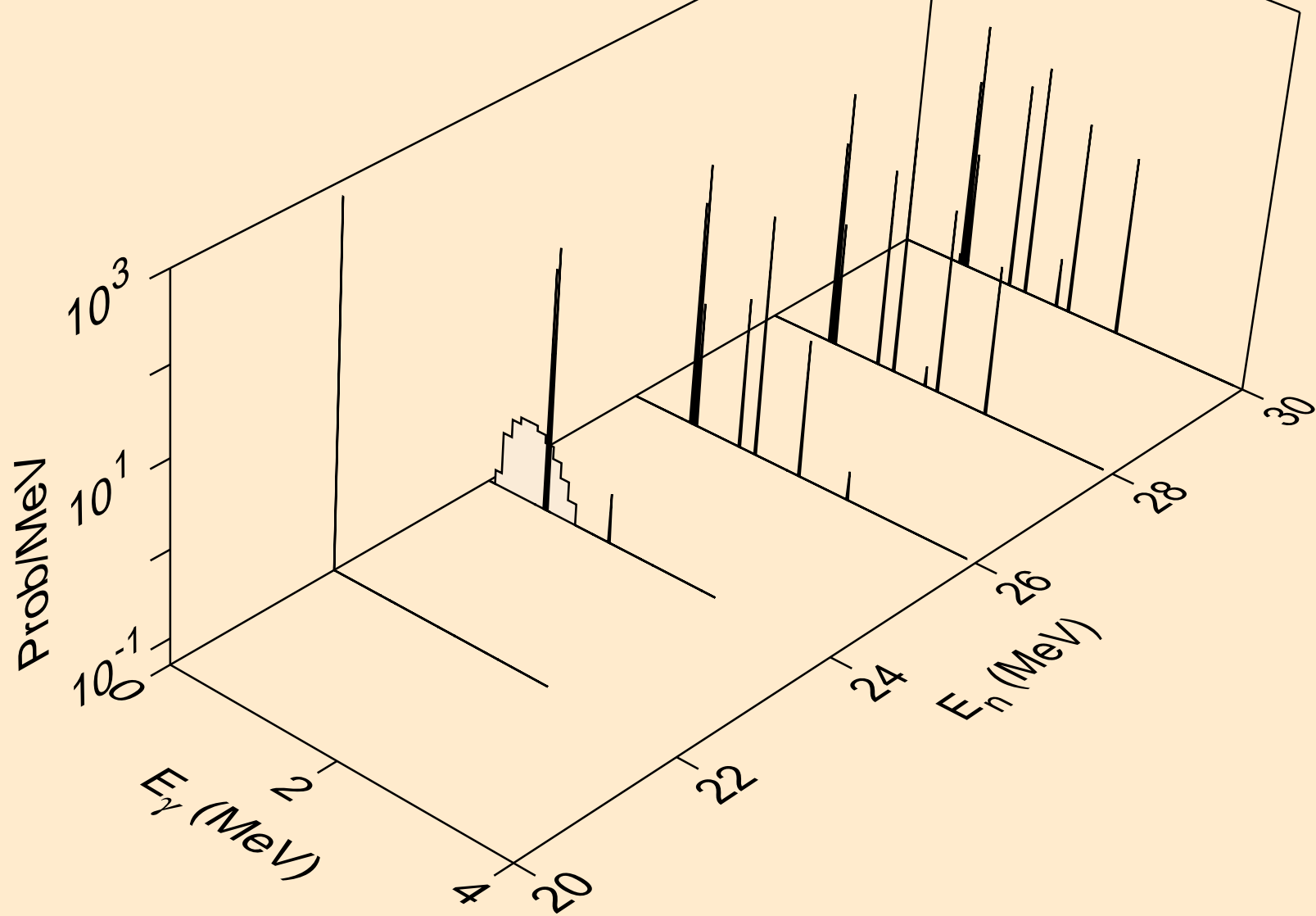
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Photon emission for (n,n\*)t



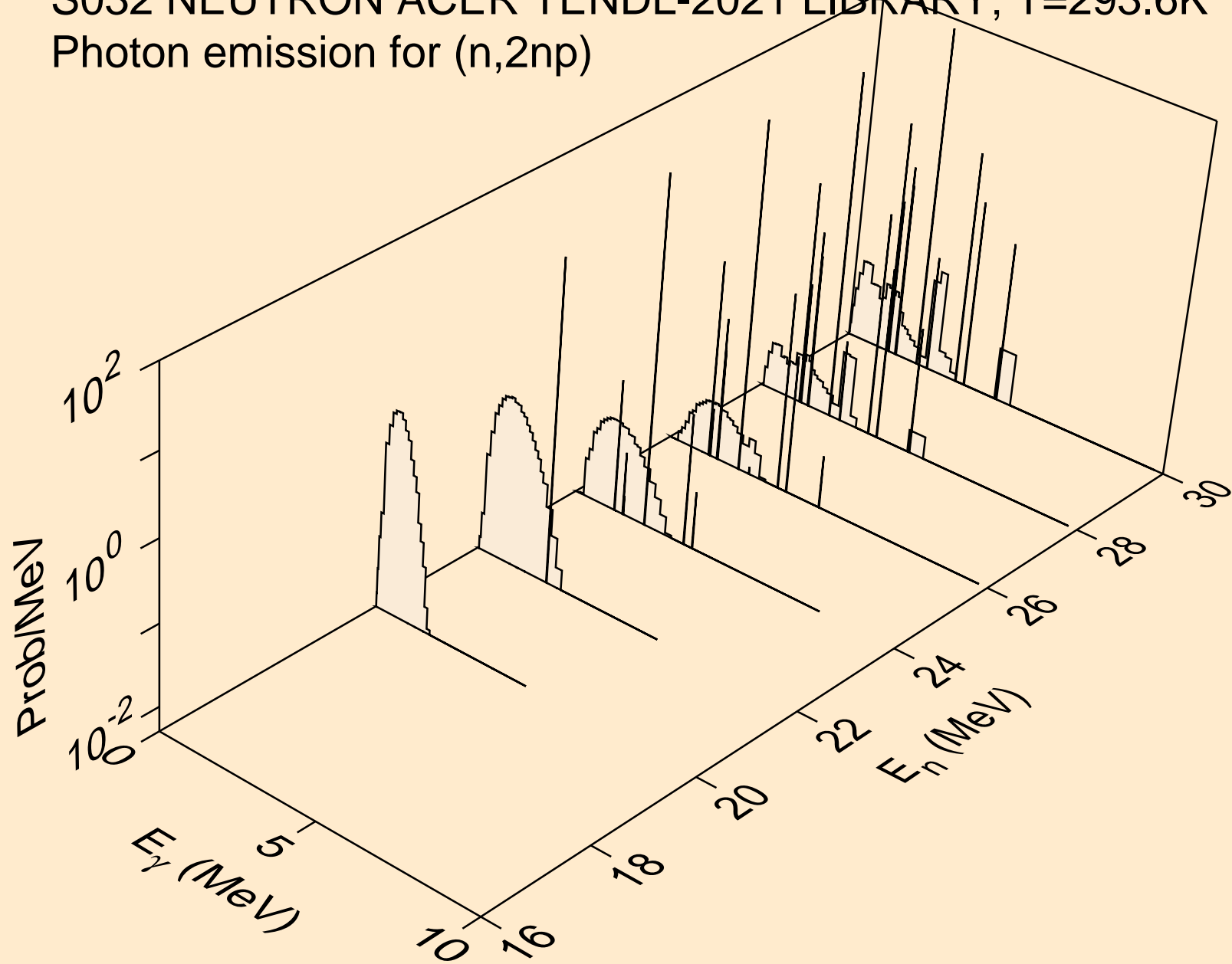
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)

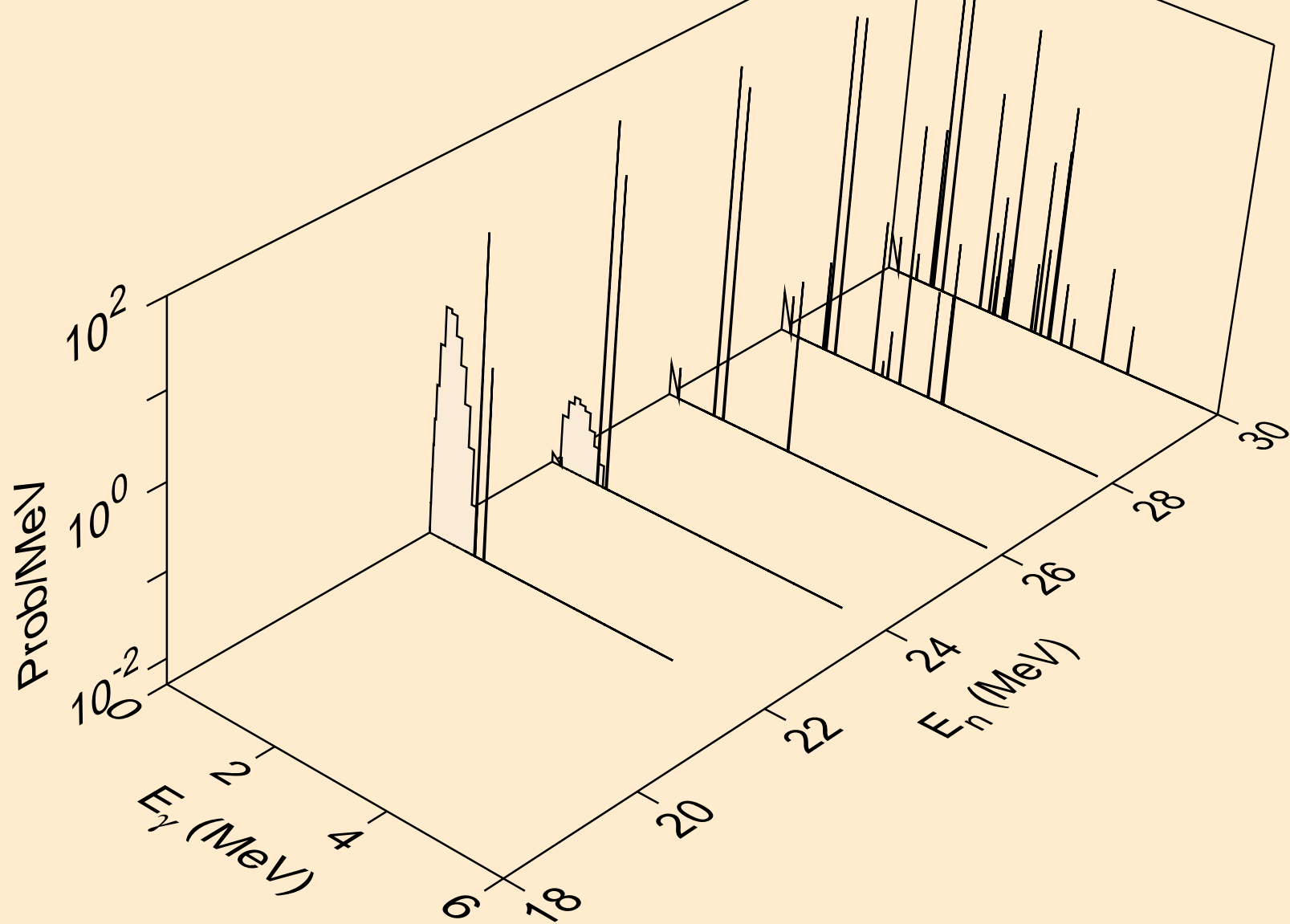


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Photon emission for (n,2np)

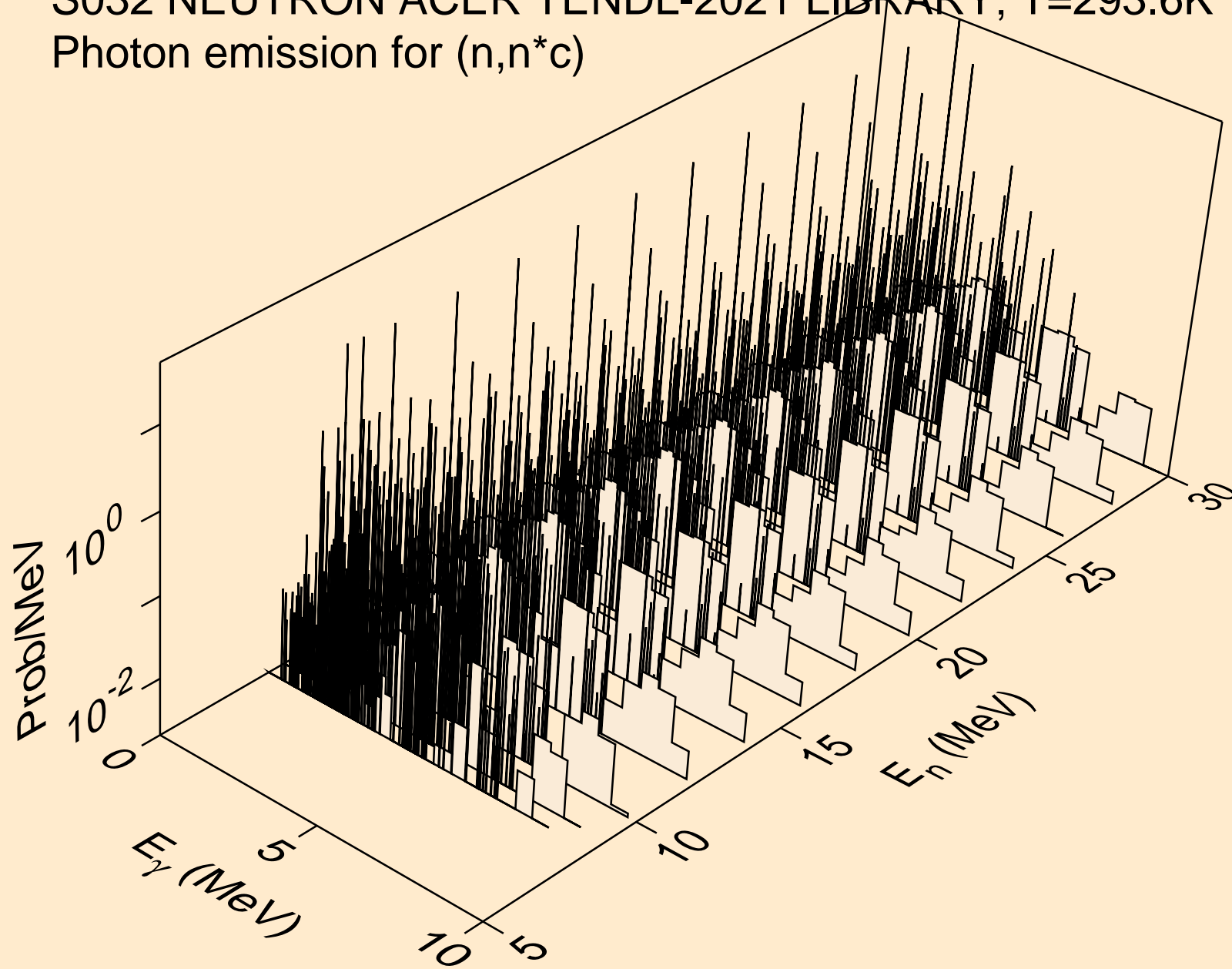




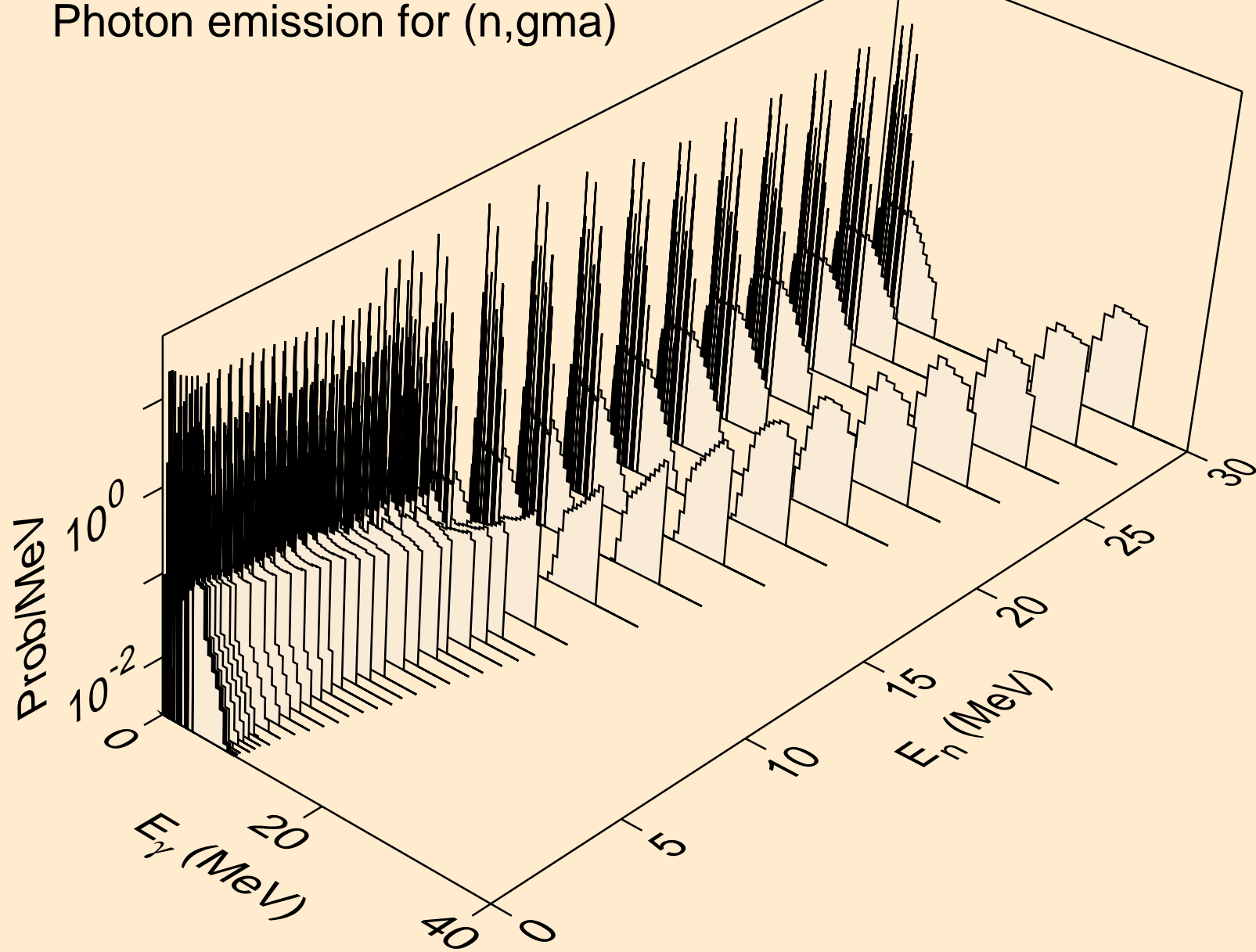
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Photon emission for (n,npa)



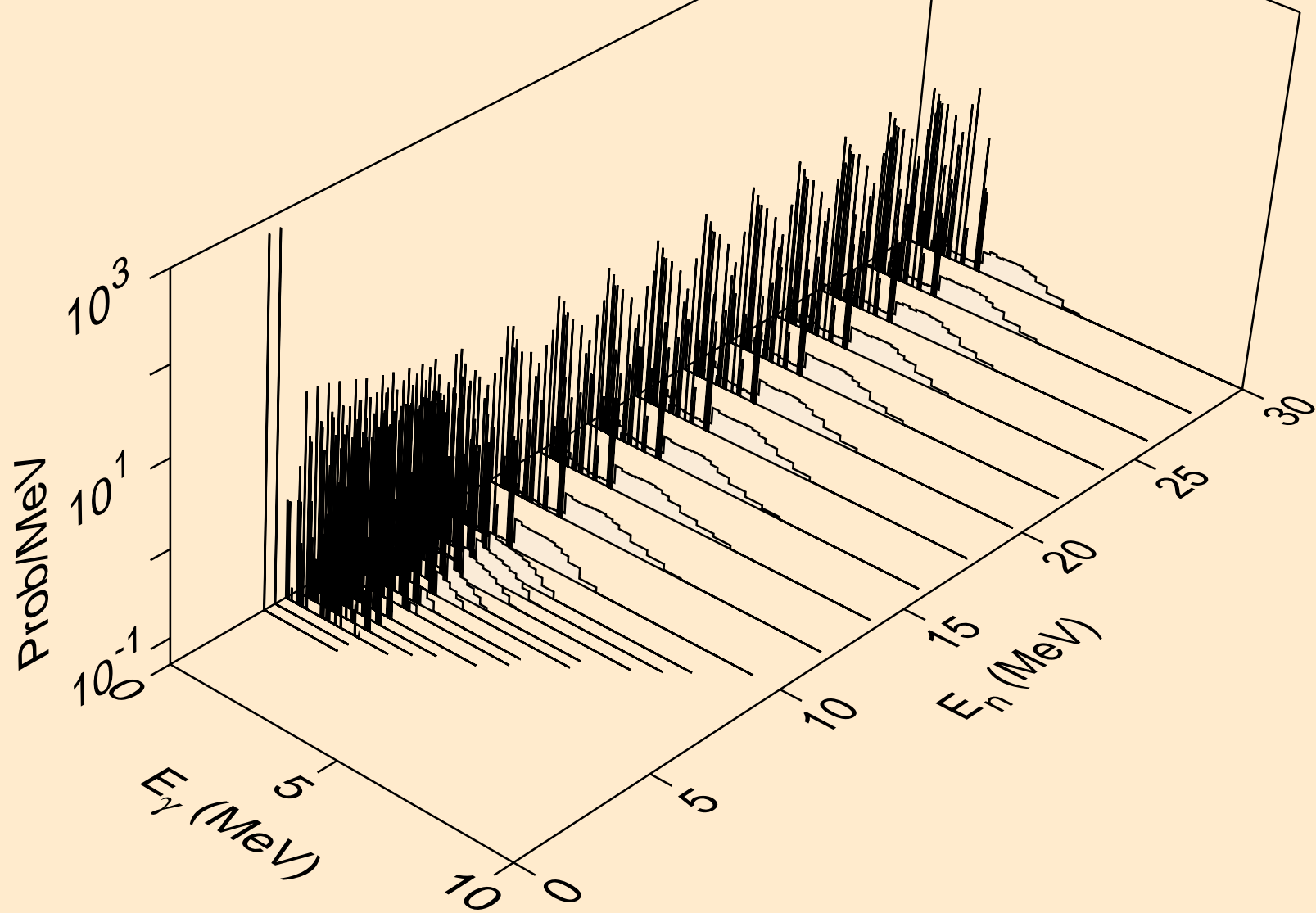
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



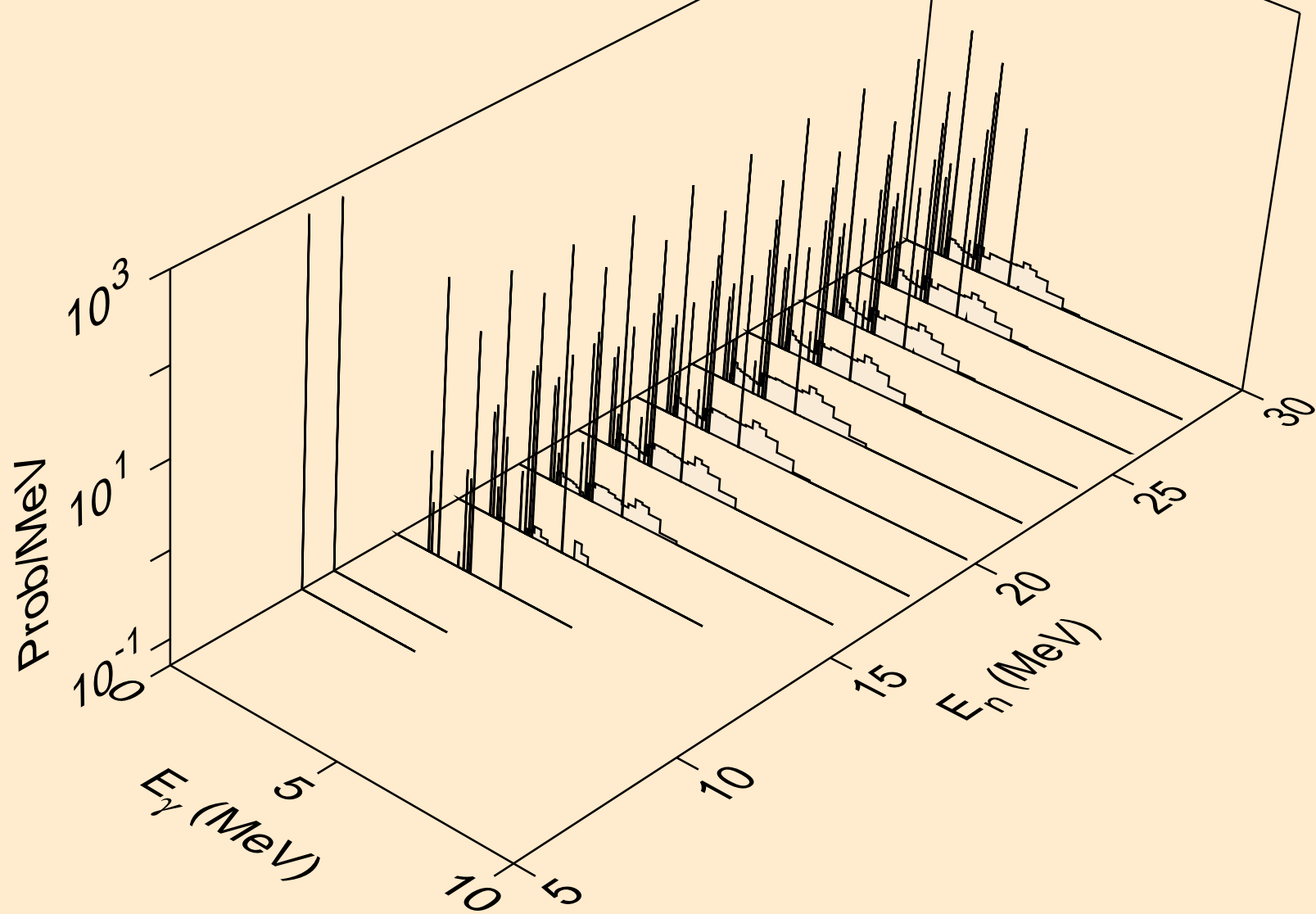
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Photon emission for (n,gma)



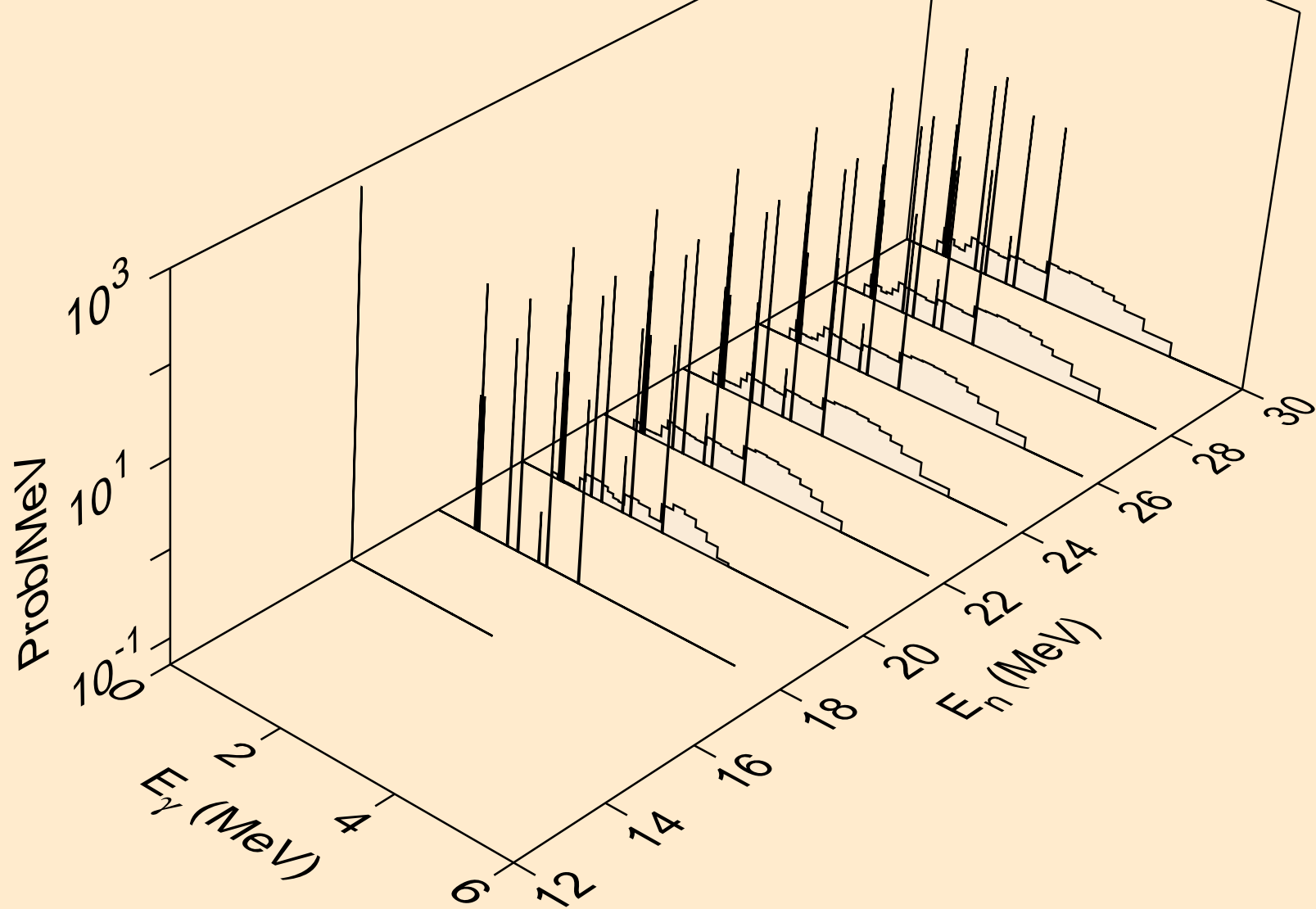
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)



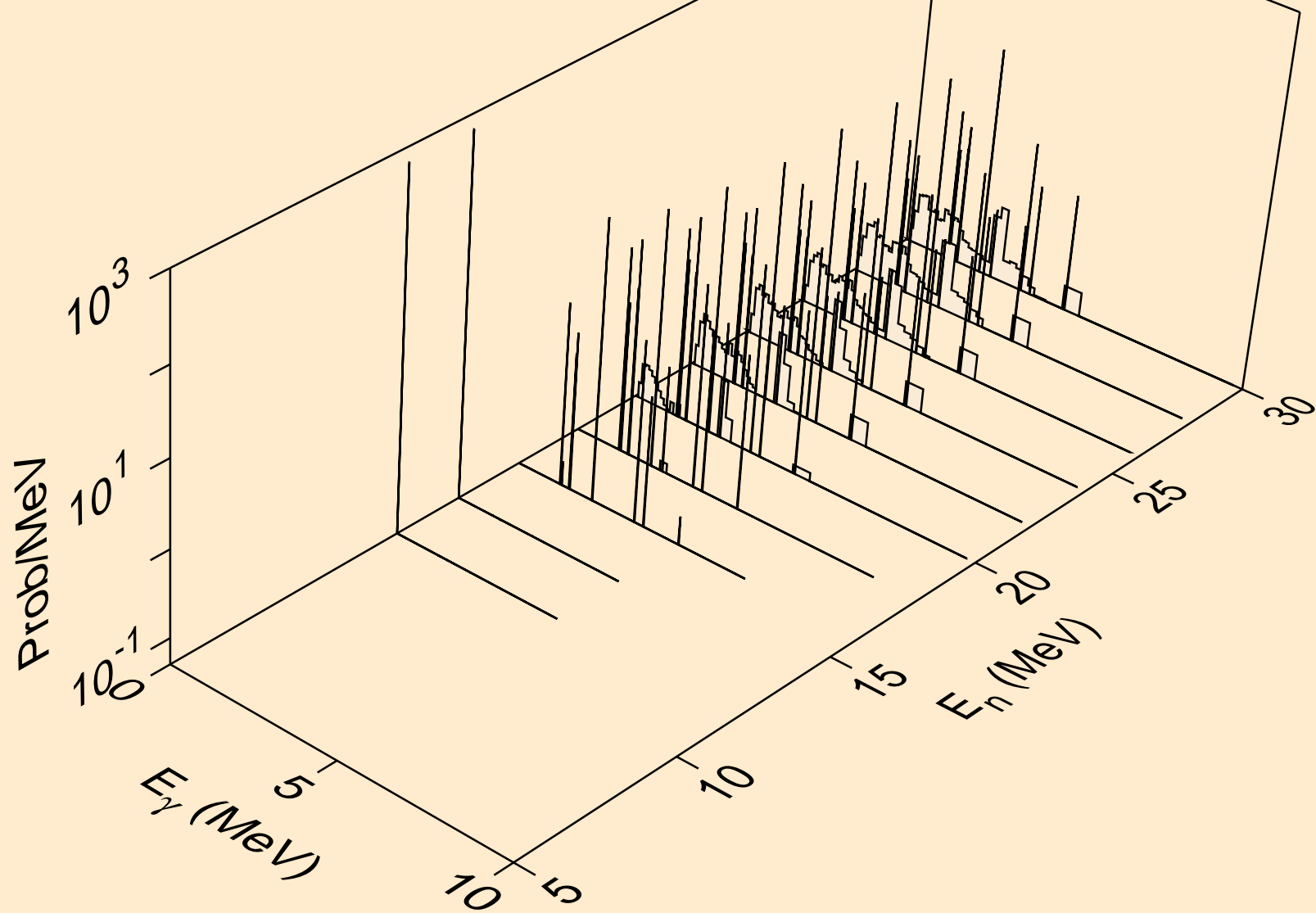
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d)



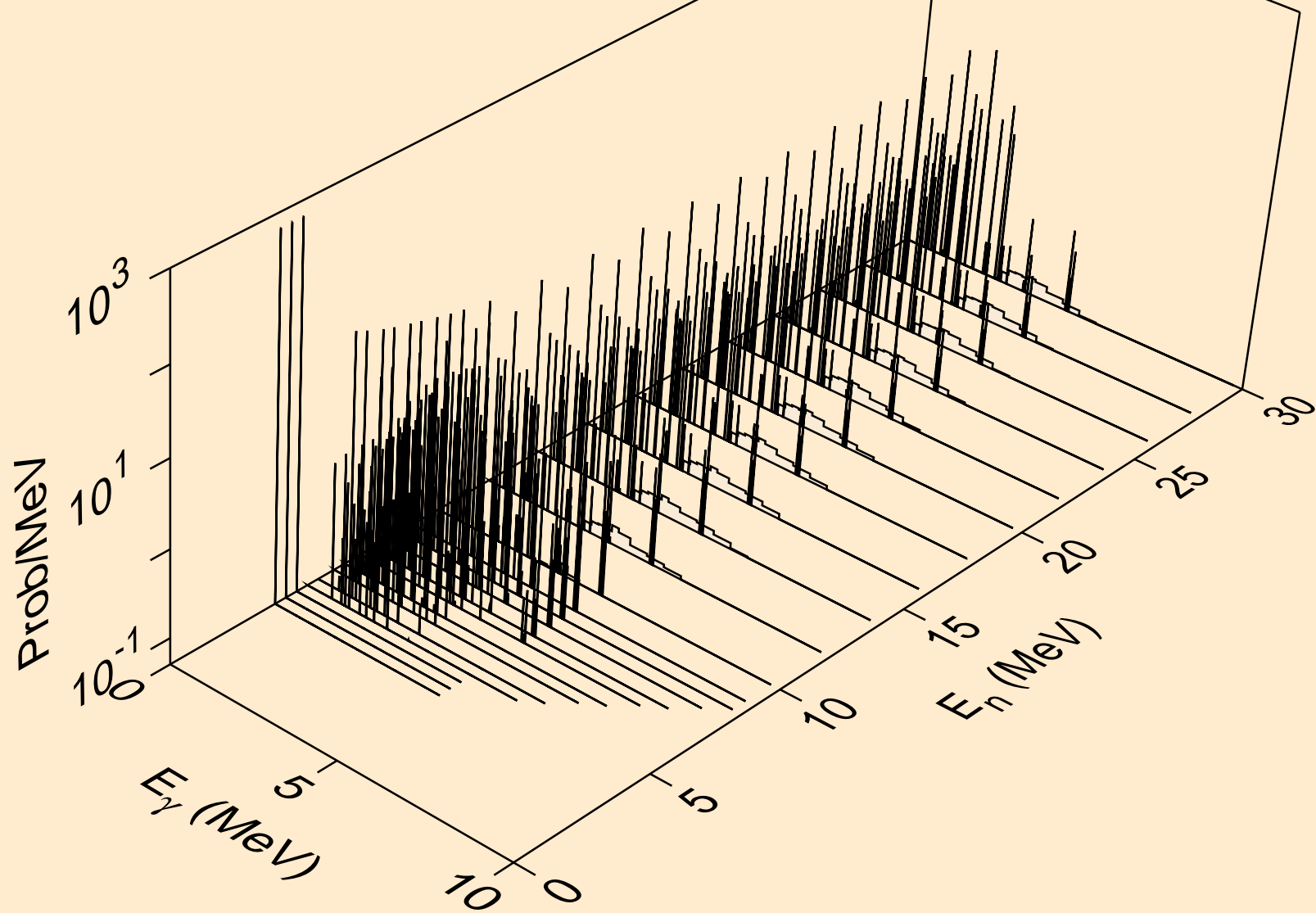
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t)



S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,he3)

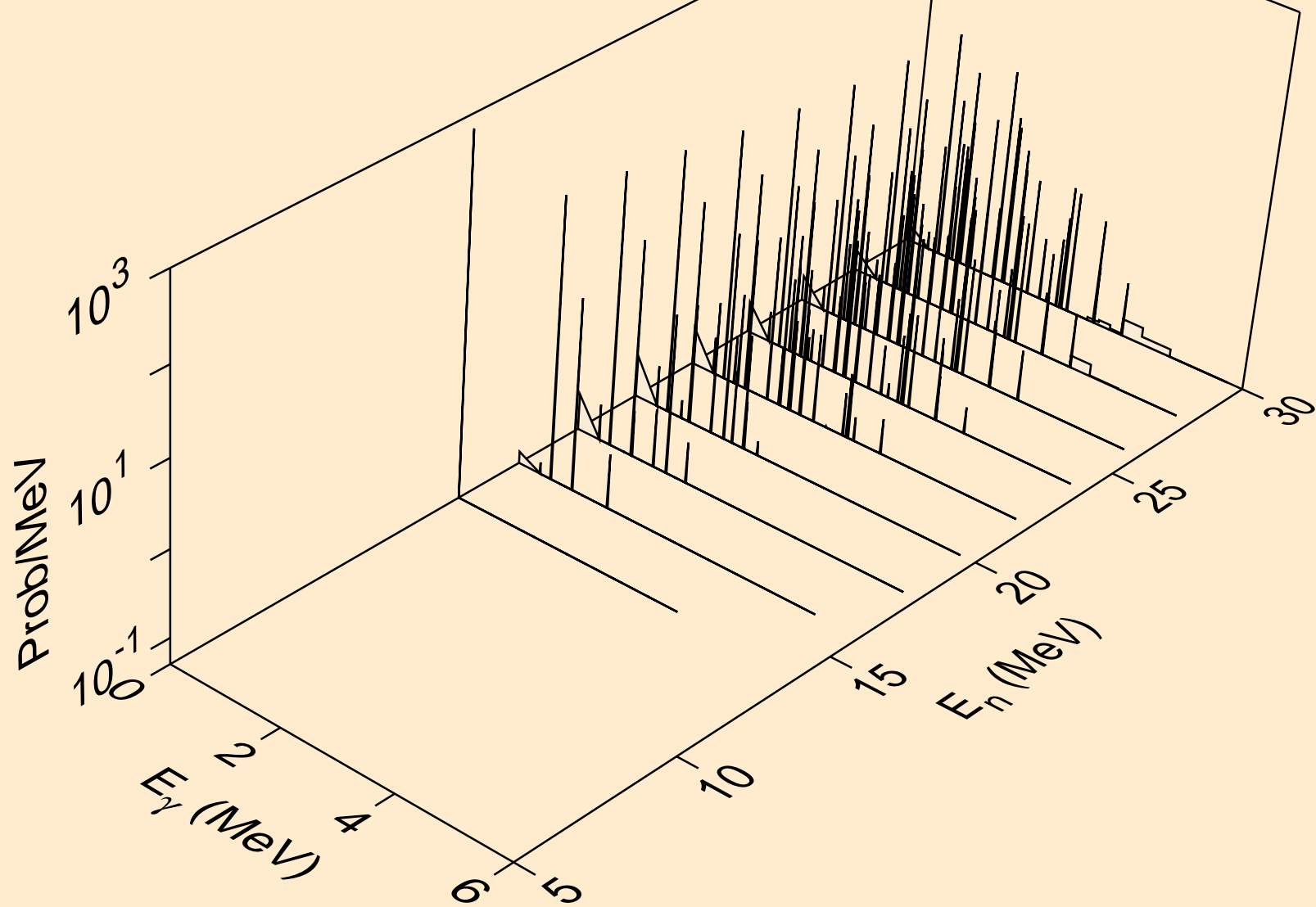


S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,a)

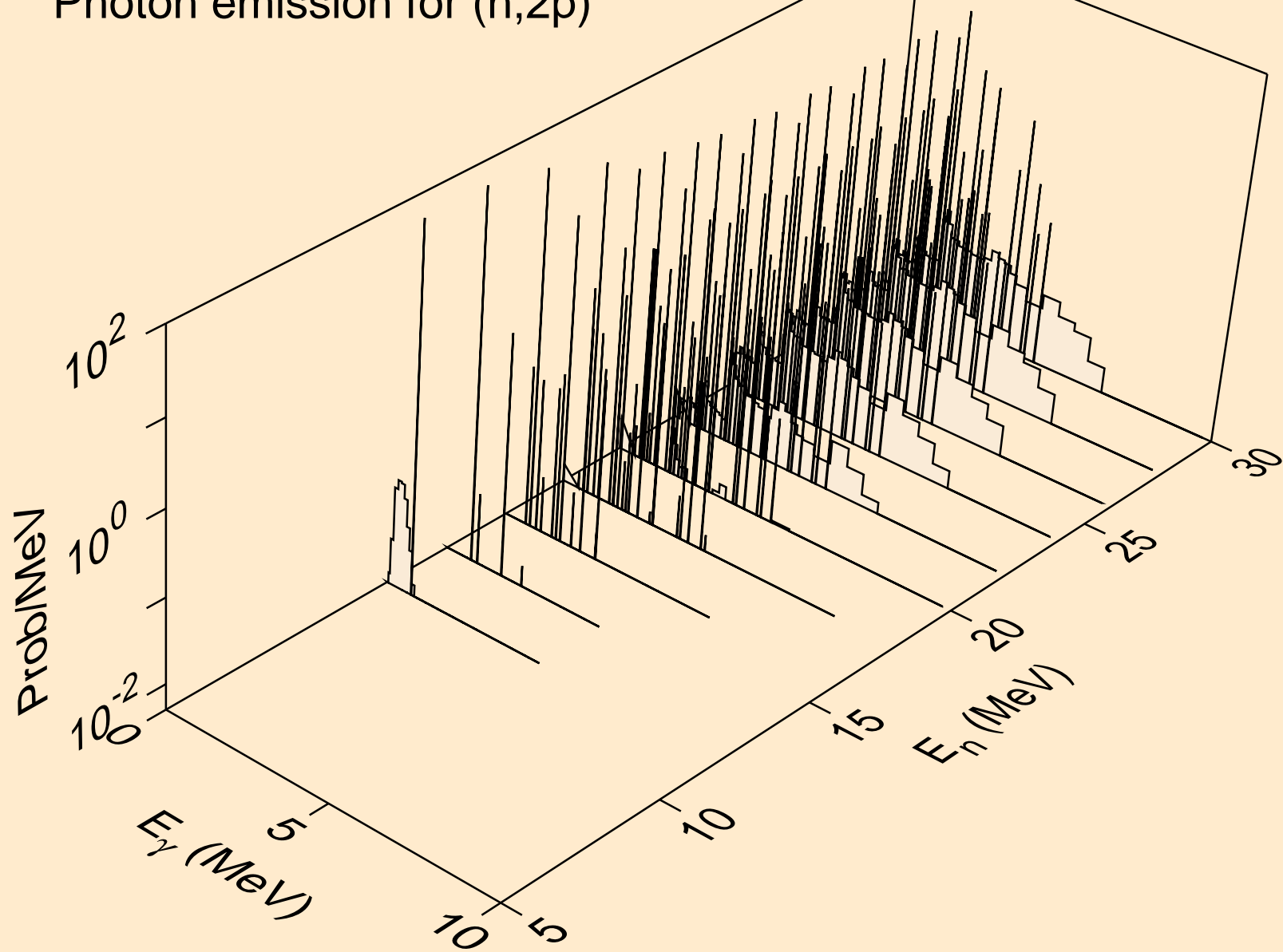




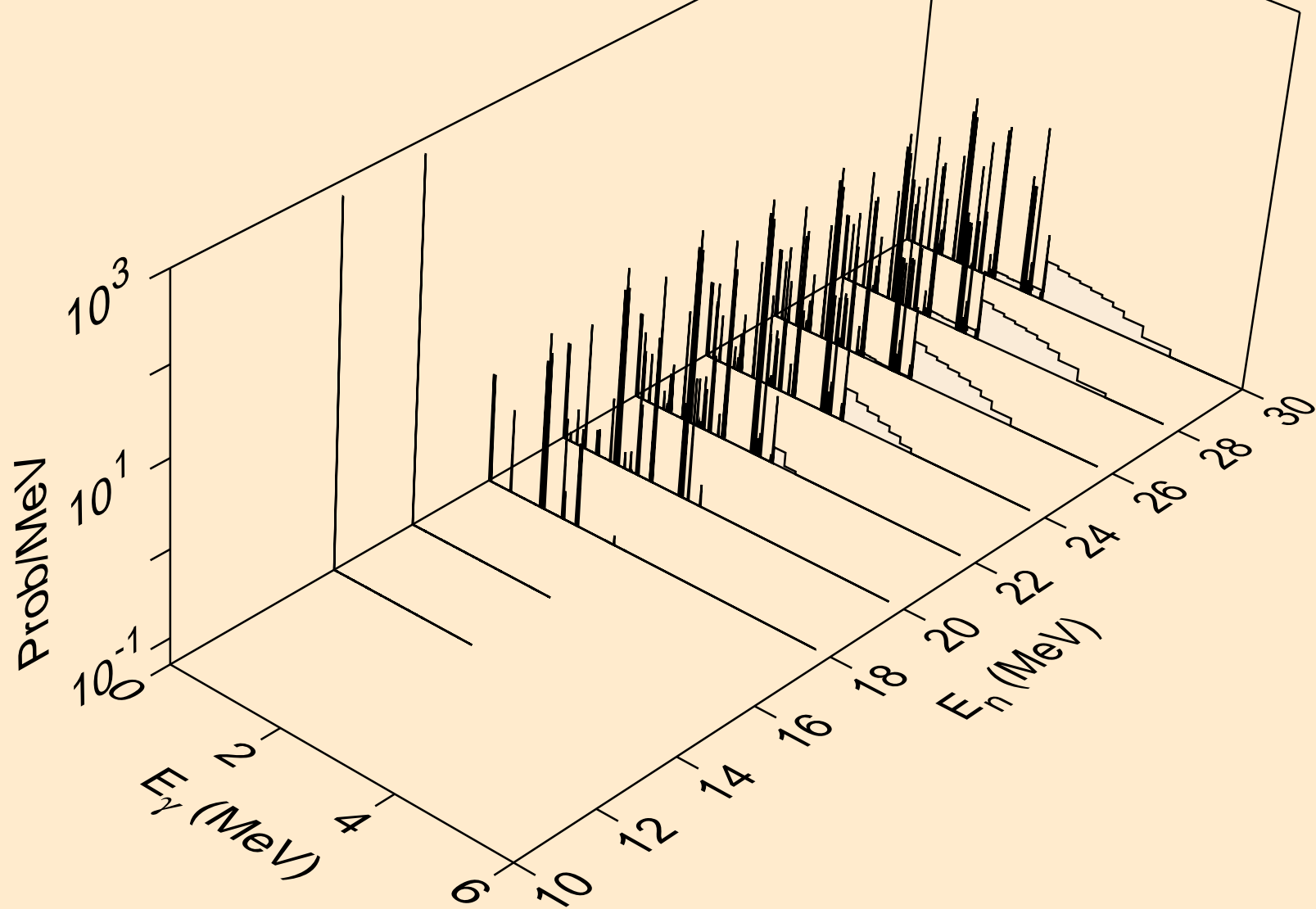
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Photon emission for (n,2a)



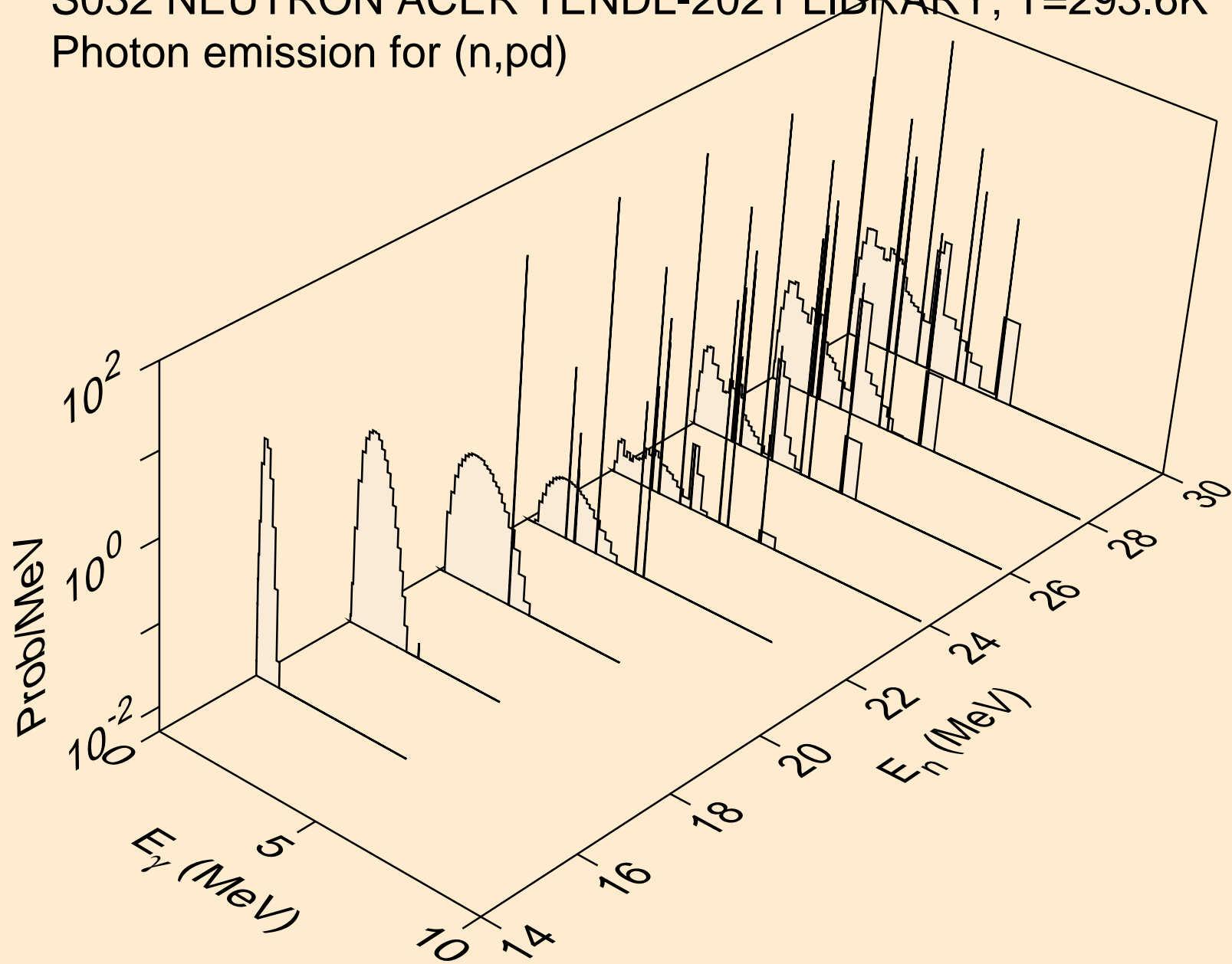
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Photon emission for (n,2p)



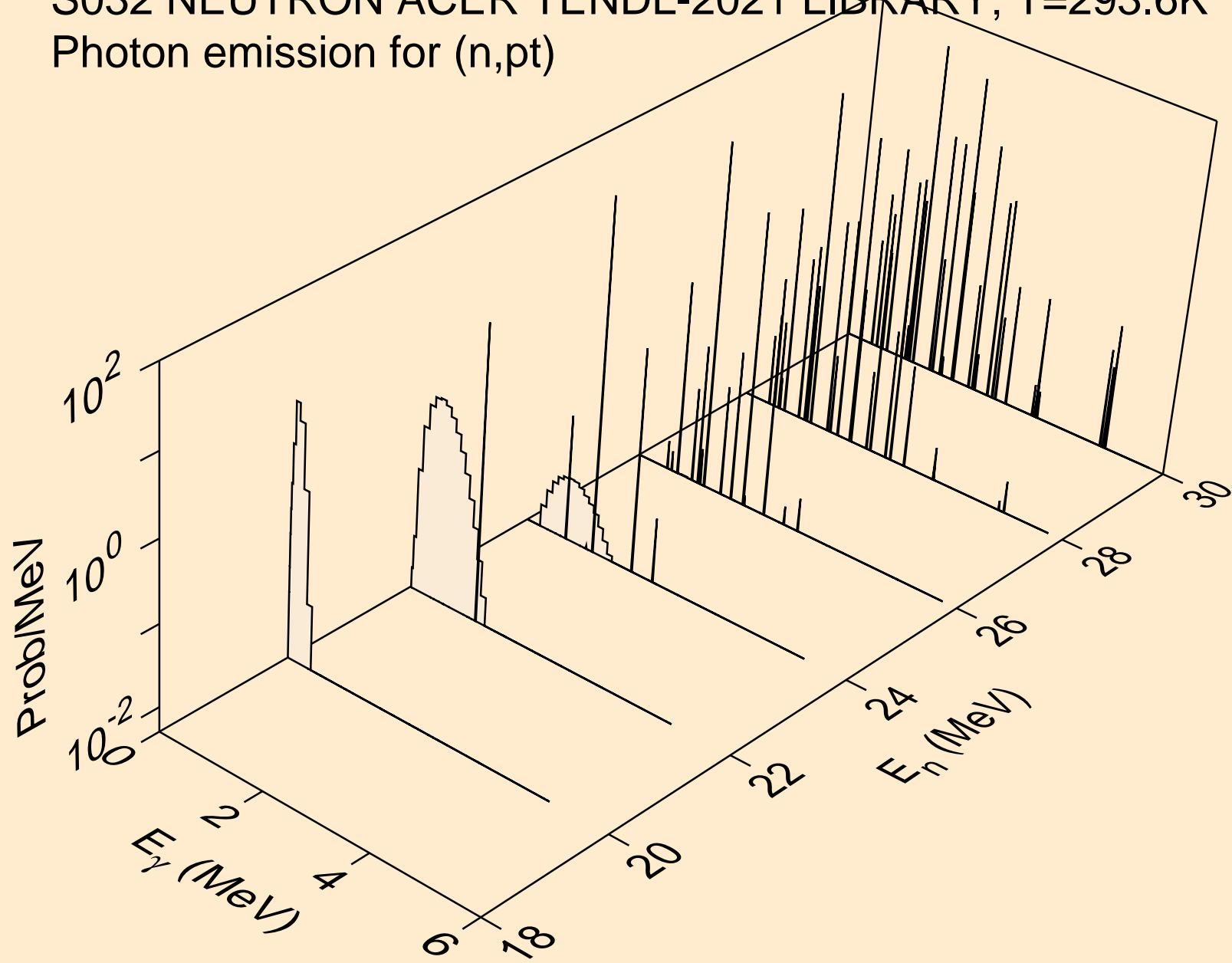
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Photon emission for (n,p $\alpha$ )



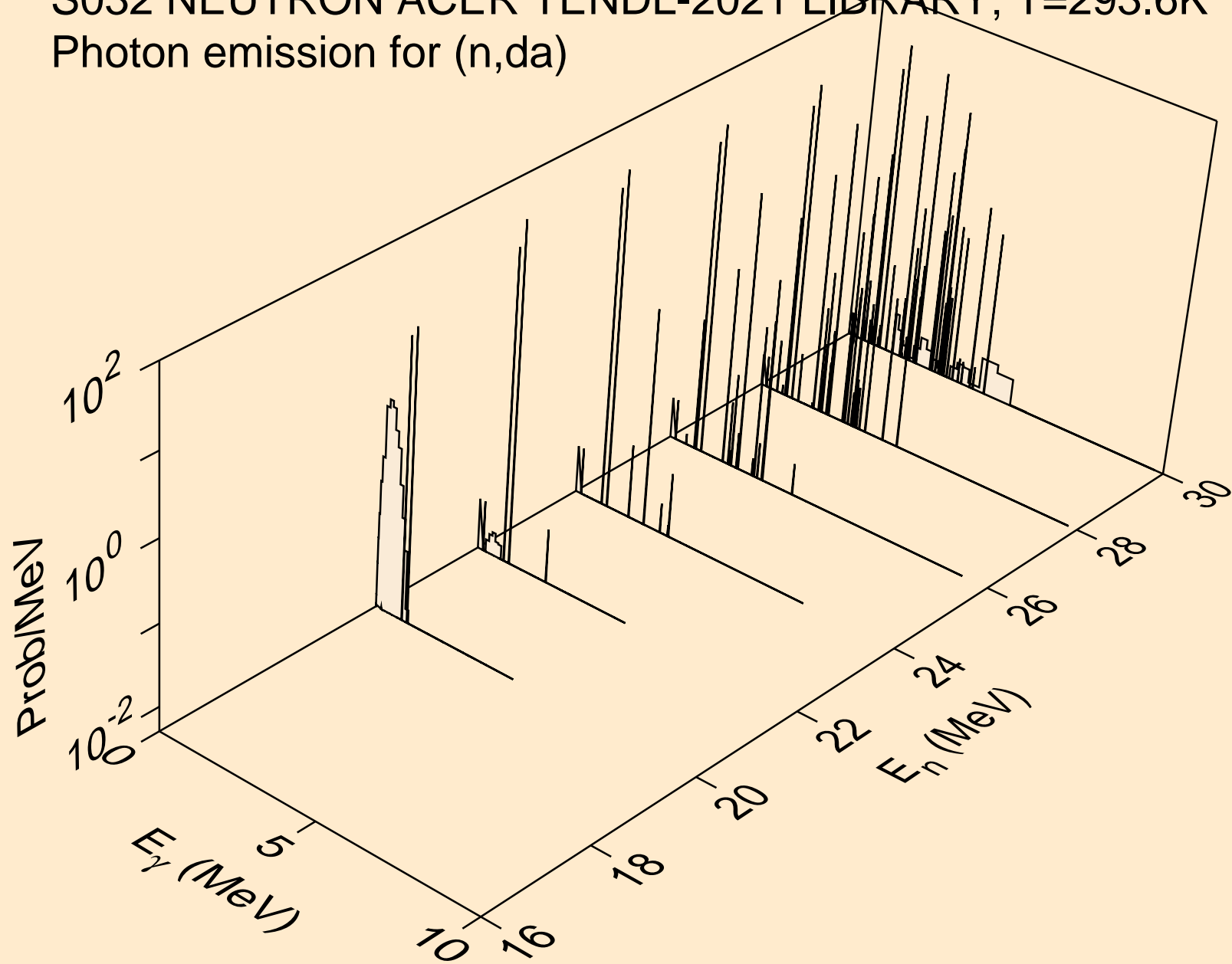
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Photon emission for (n,pd)



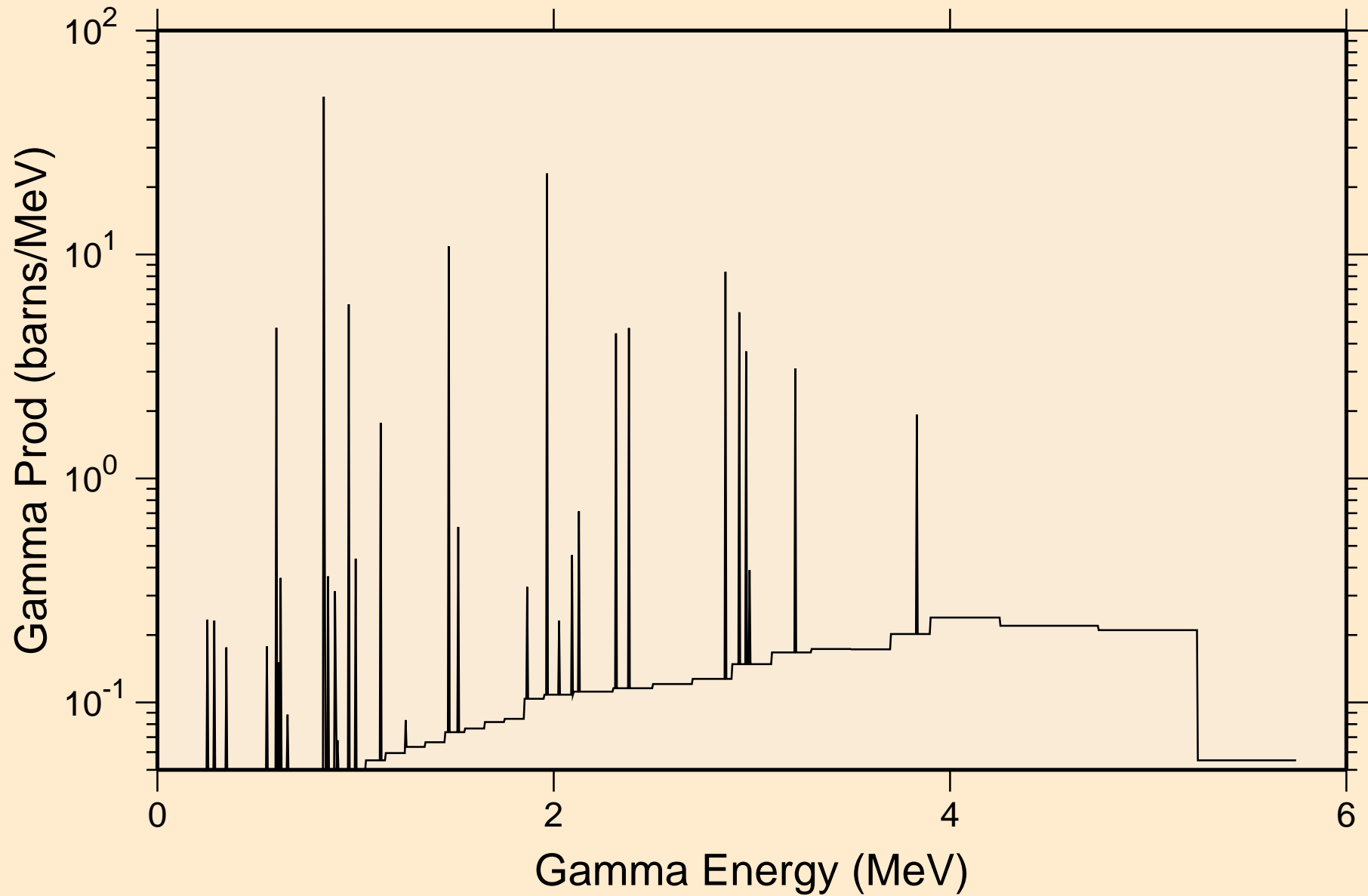
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Photon emission for (n,pt)



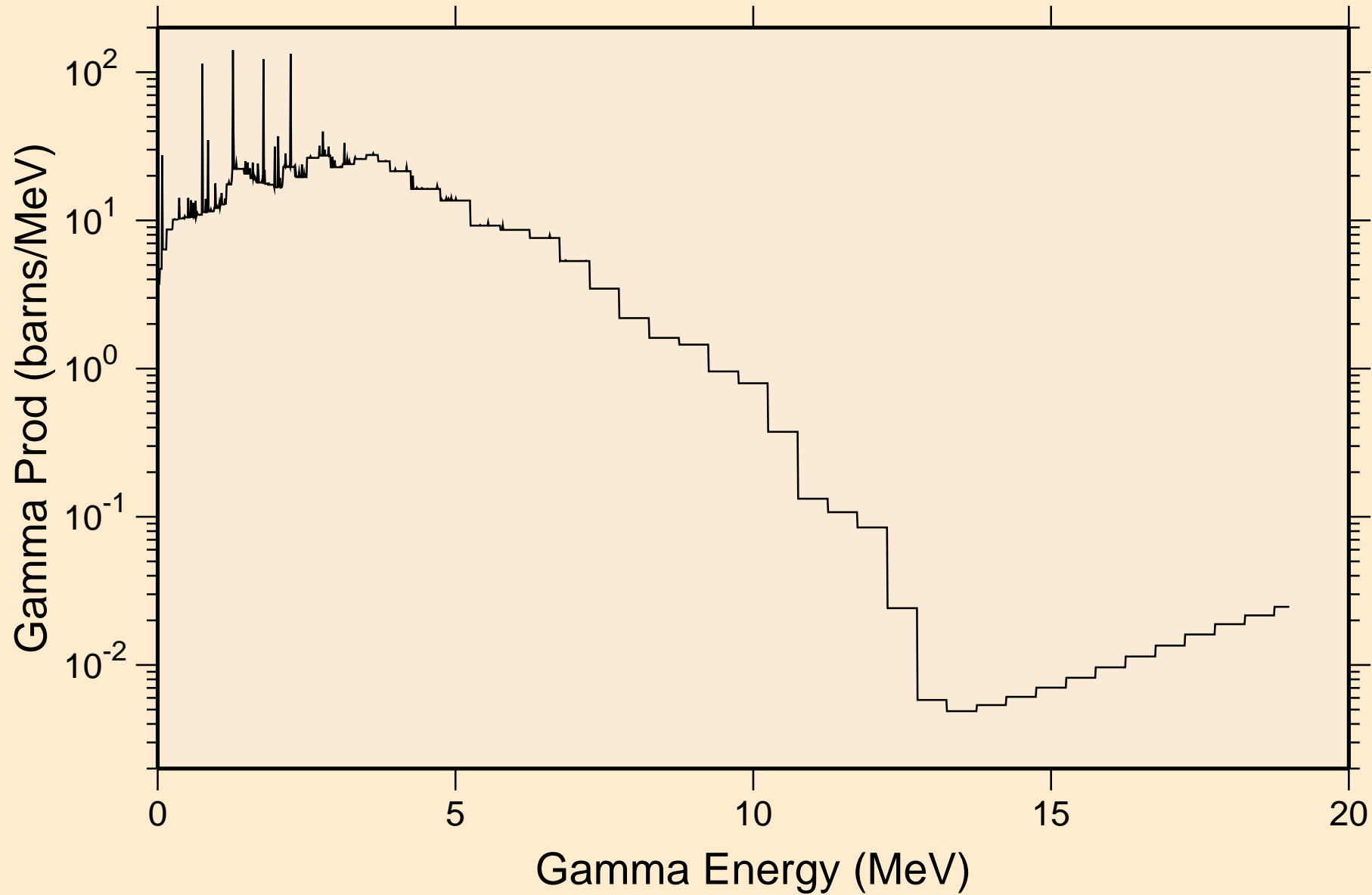
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,da)



S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum



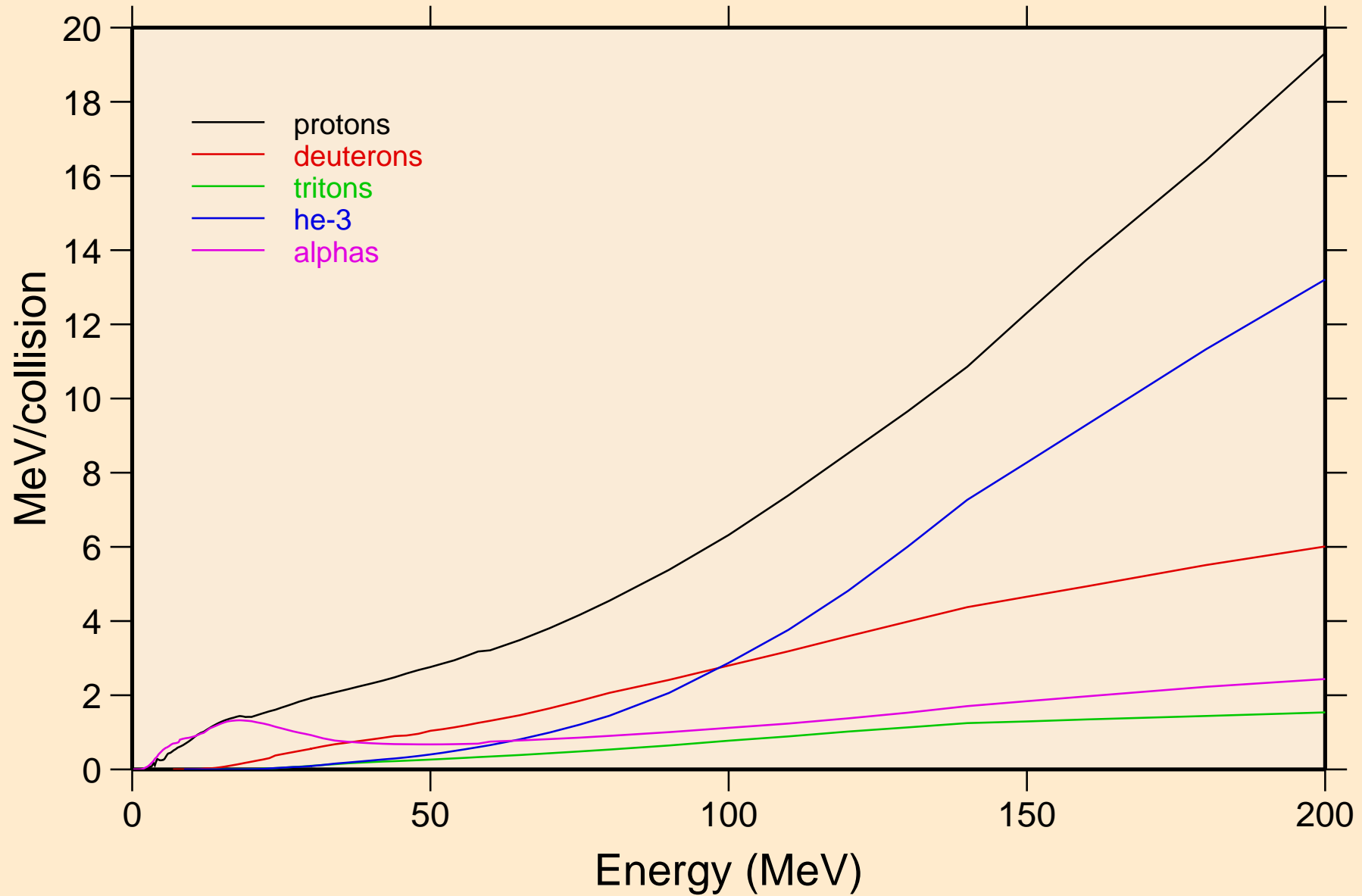
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14 MeV photon spectrum



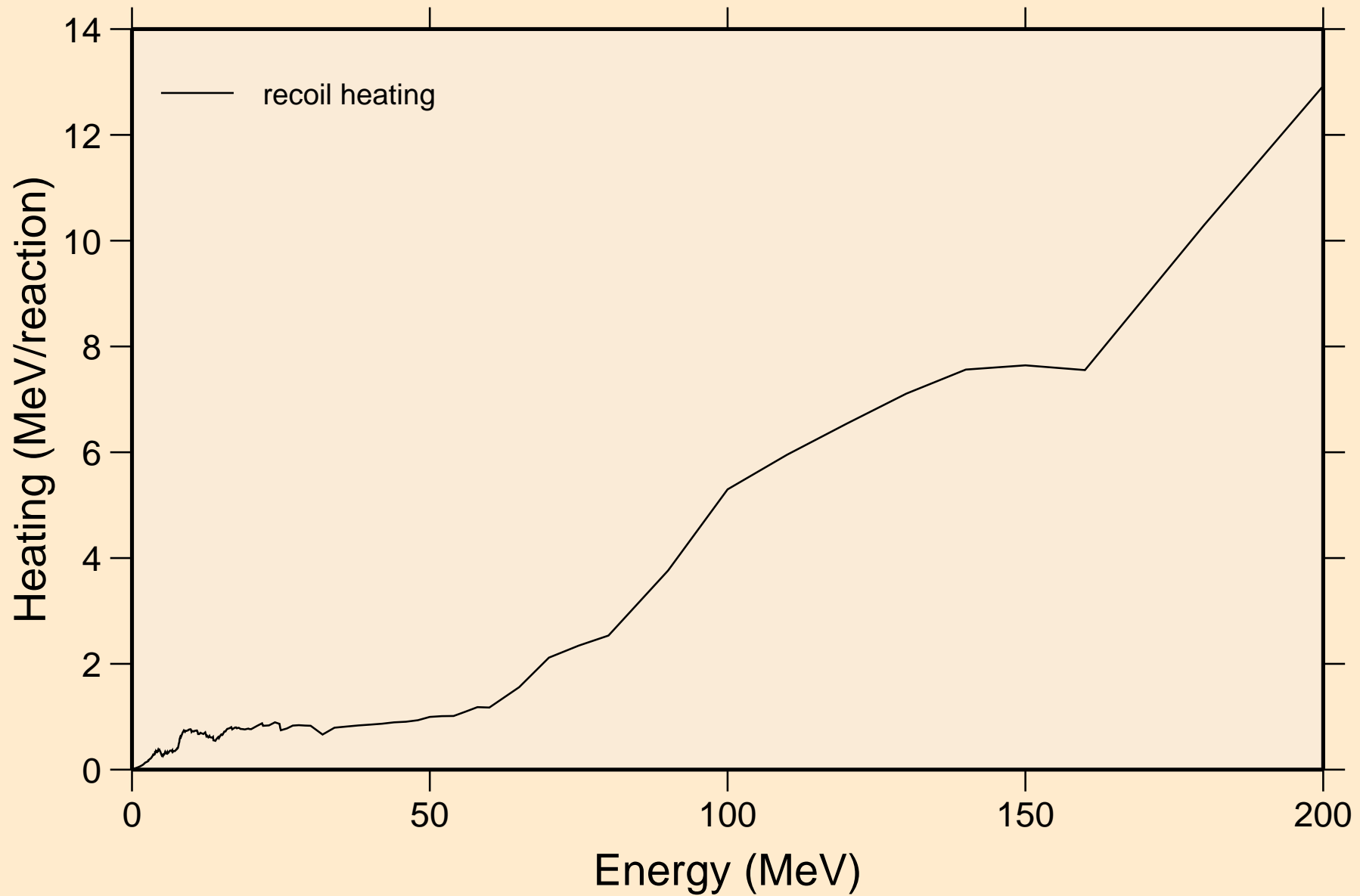


# S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

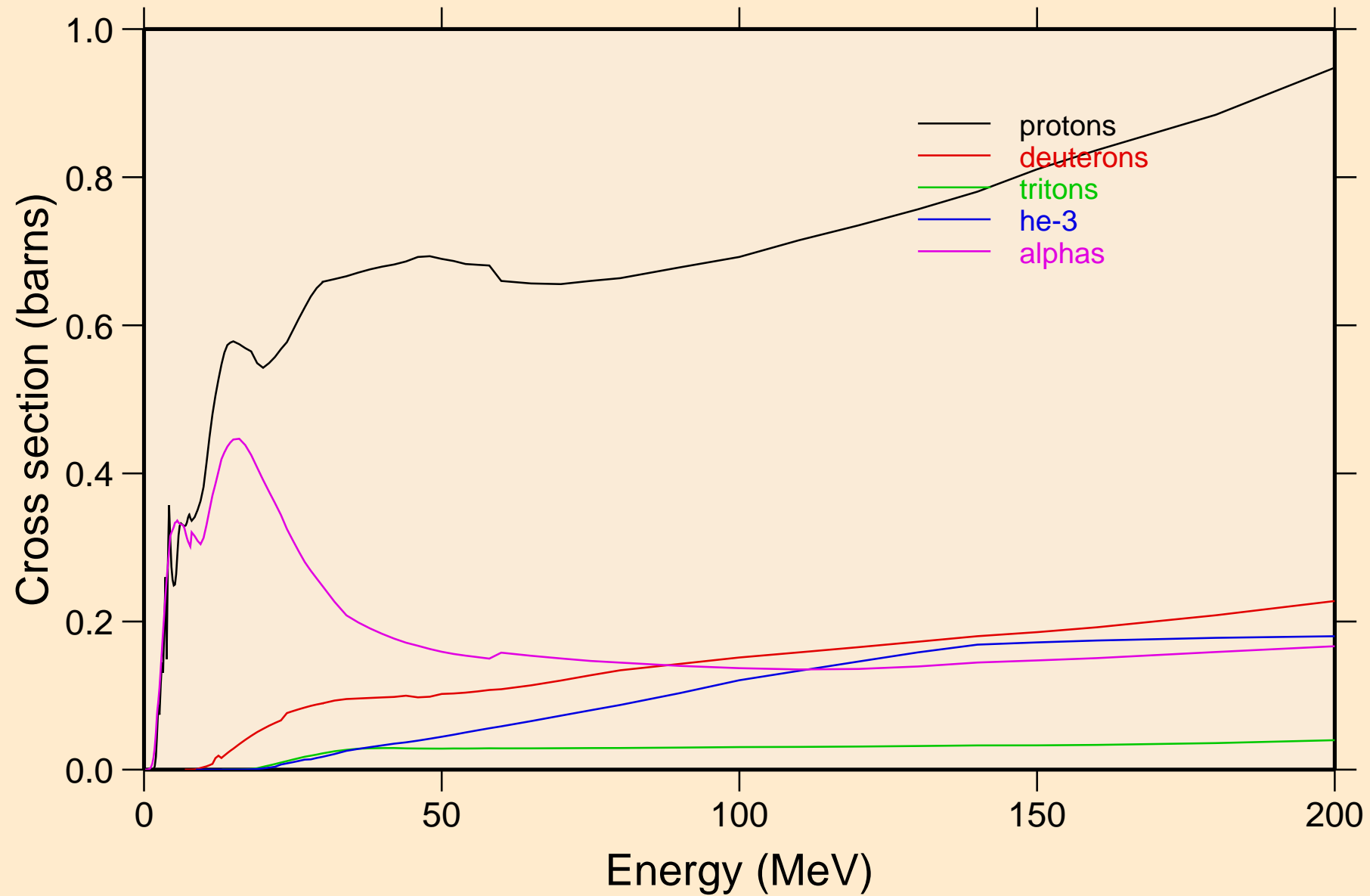
## Particle heating contributions



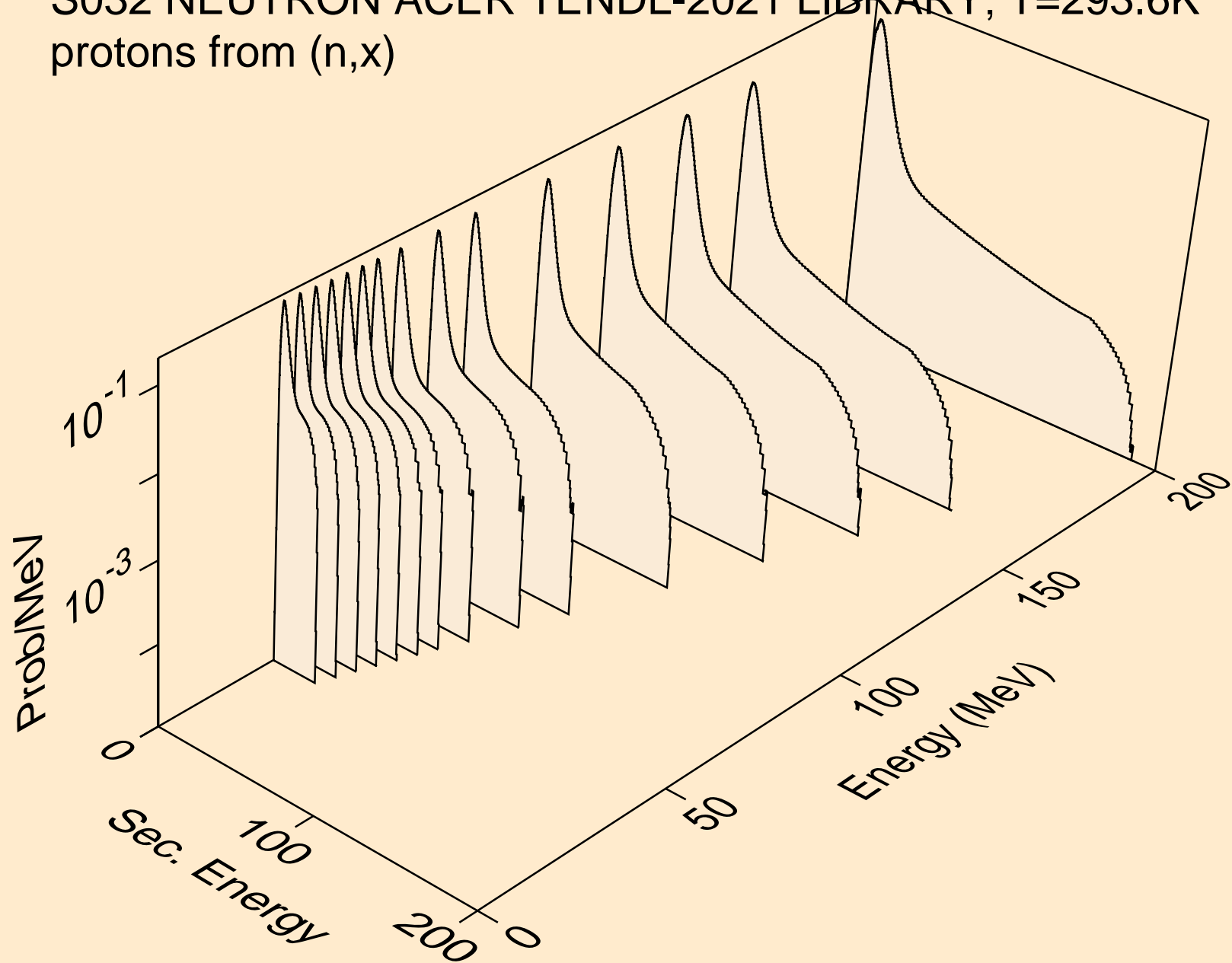
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Recoil Heating



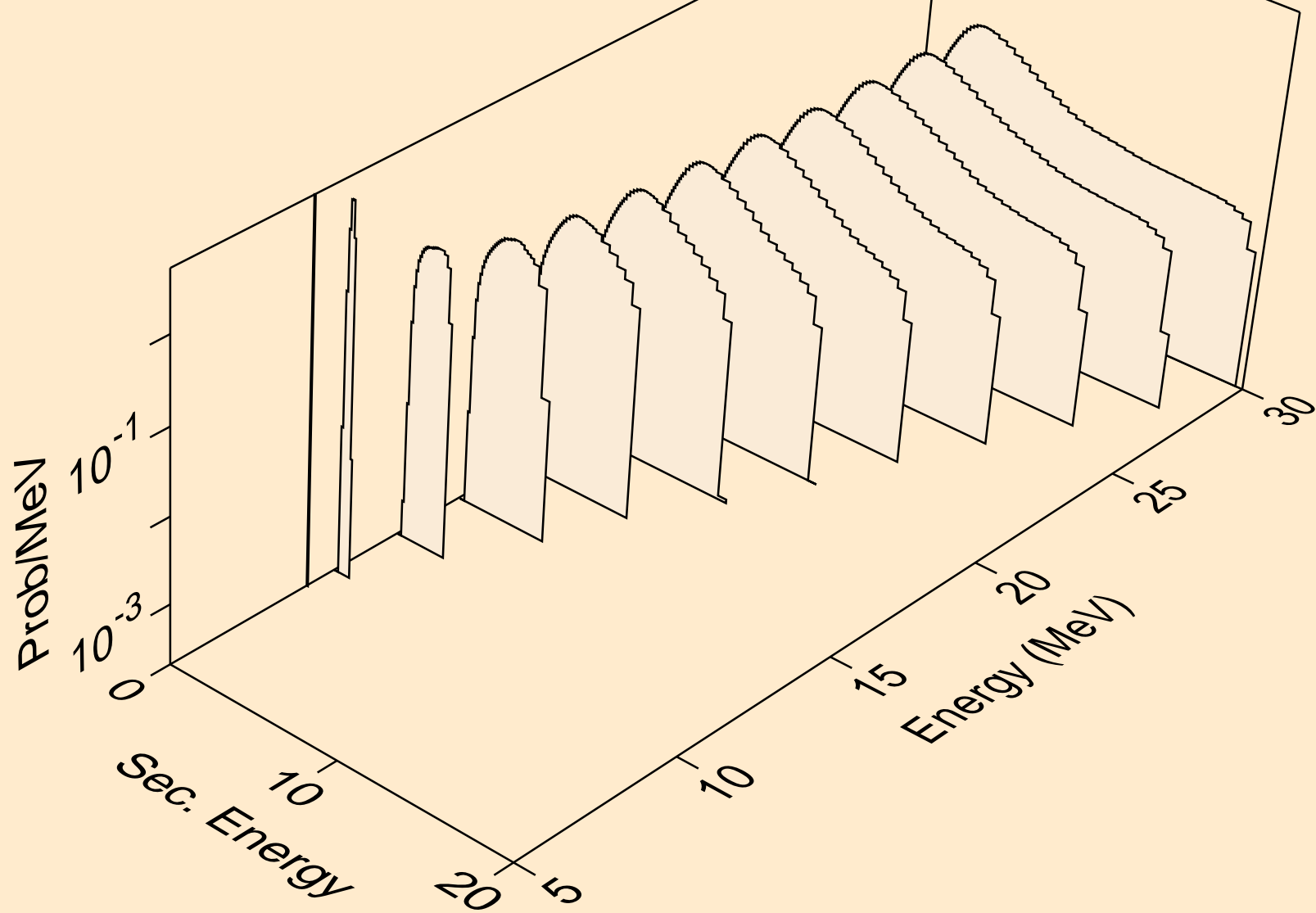
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Particle production cross sections



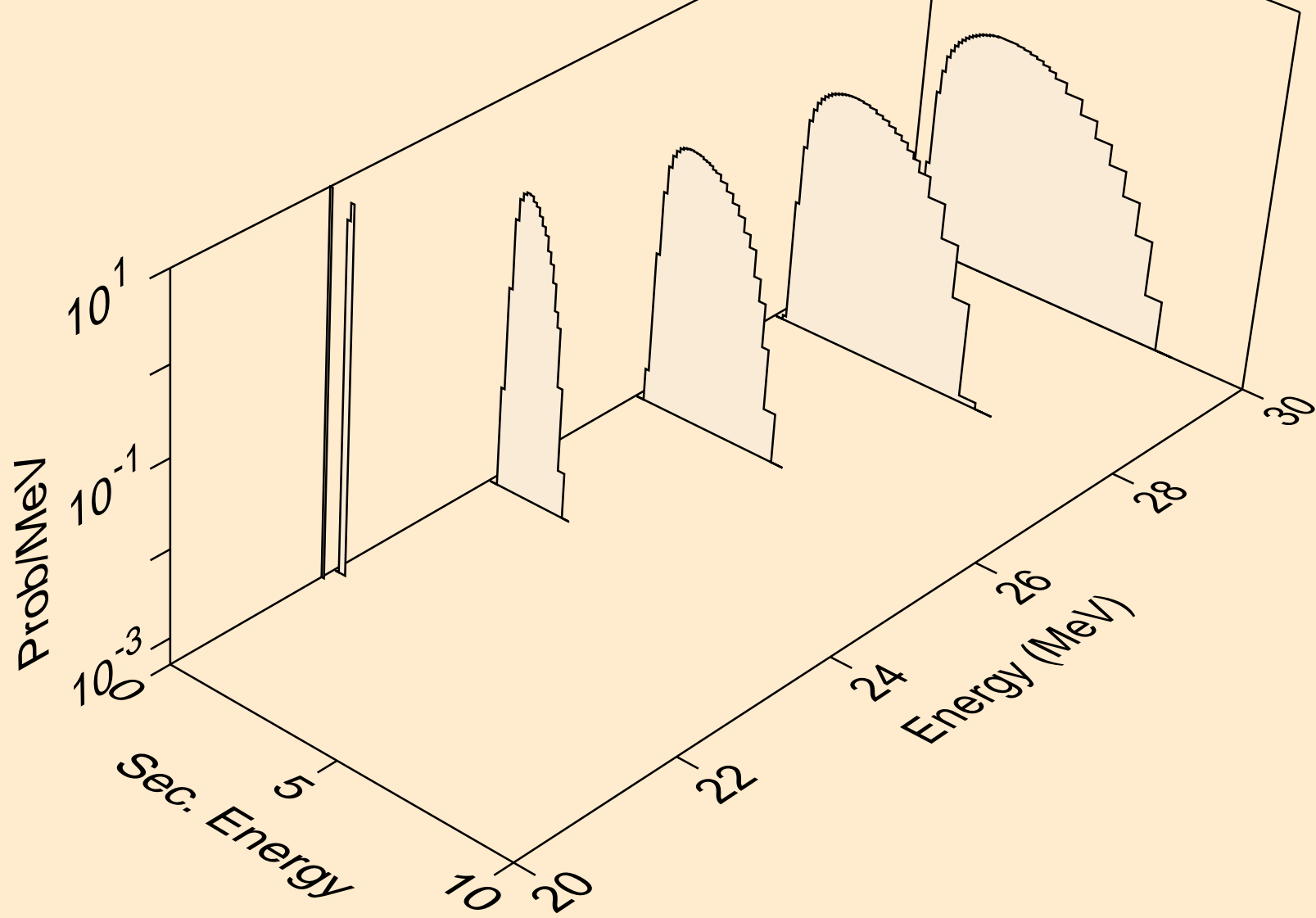
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protons from (n,x)



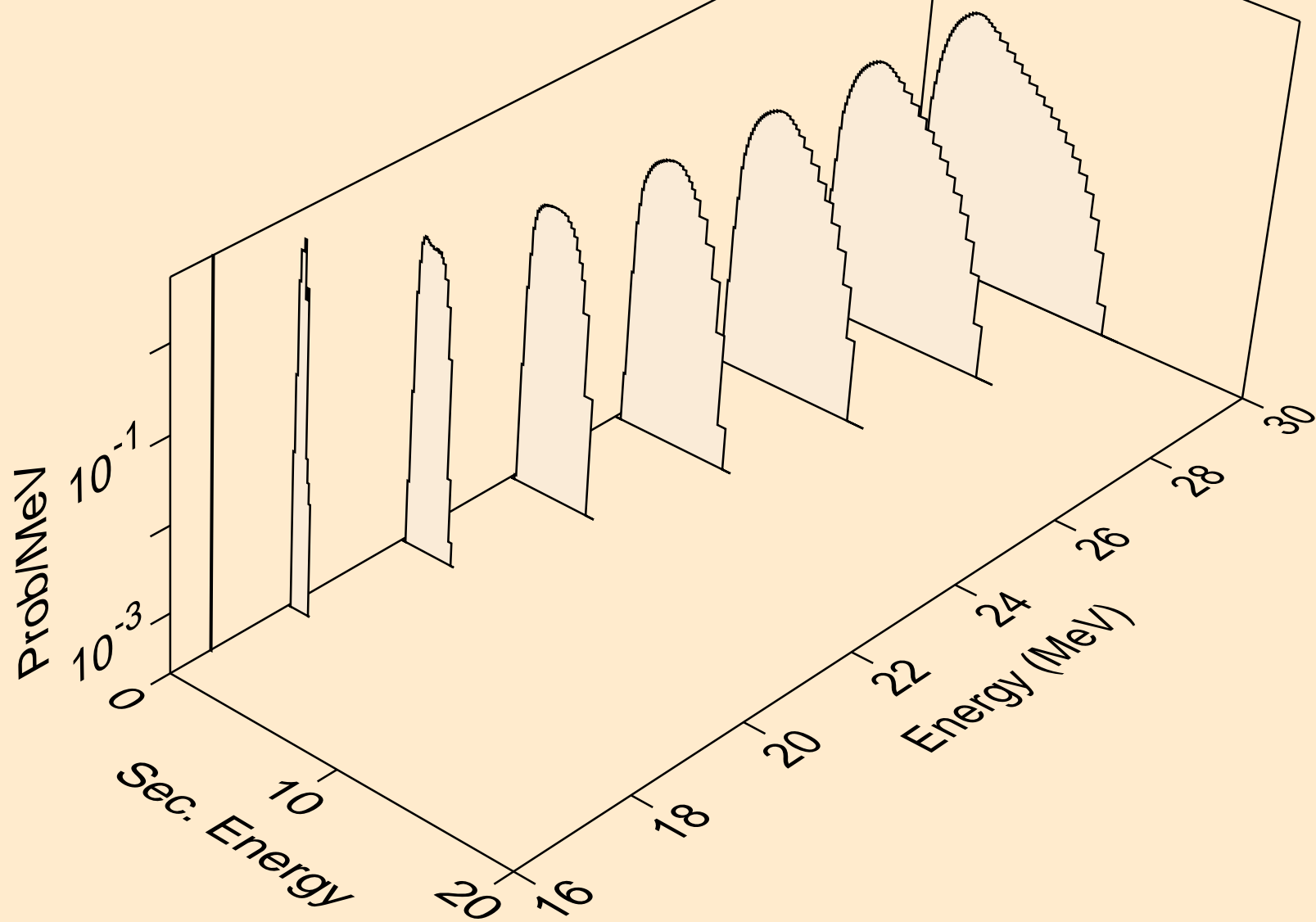
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protons from (n,n\*)p



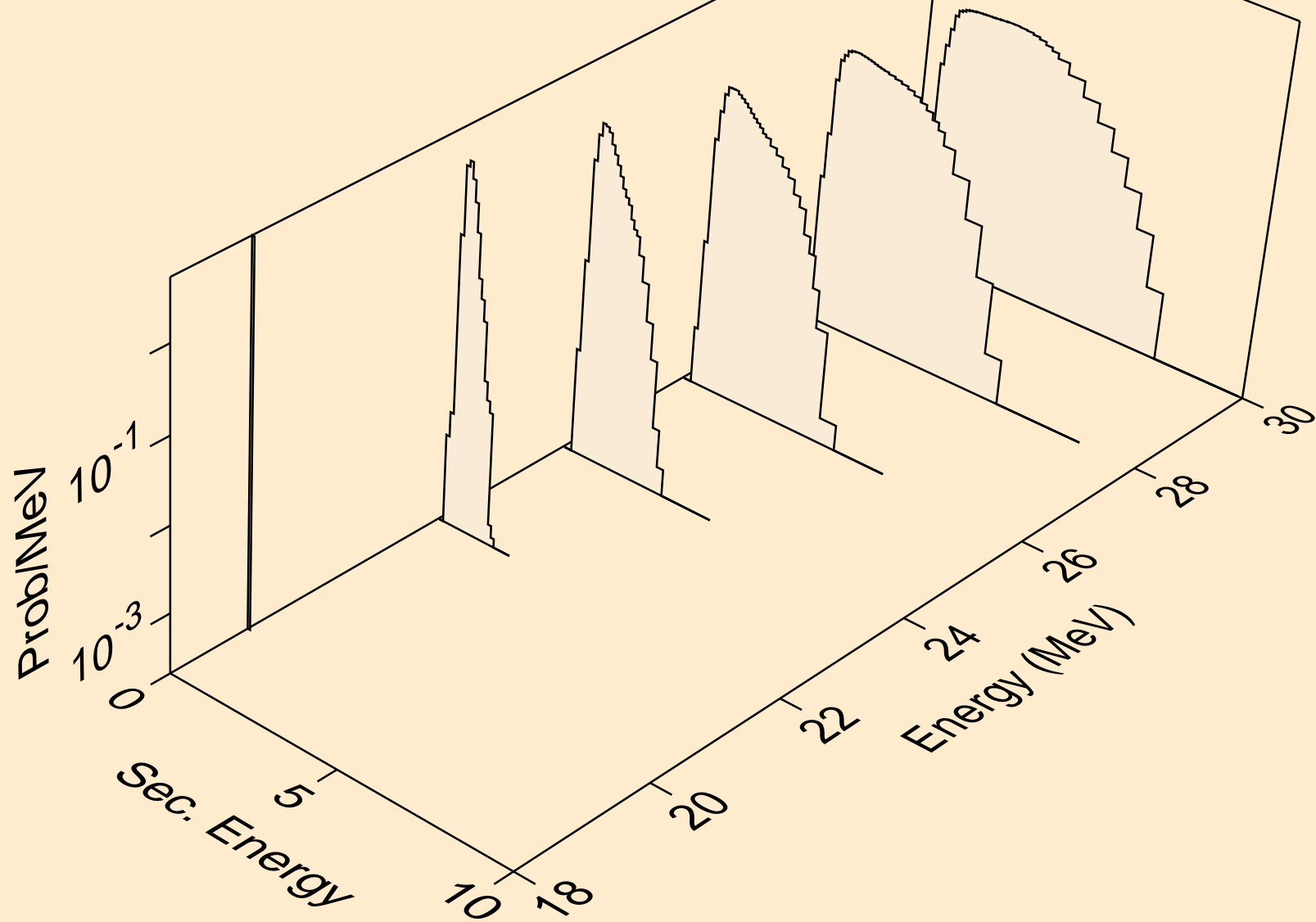
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protons from (n,2np)



S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)

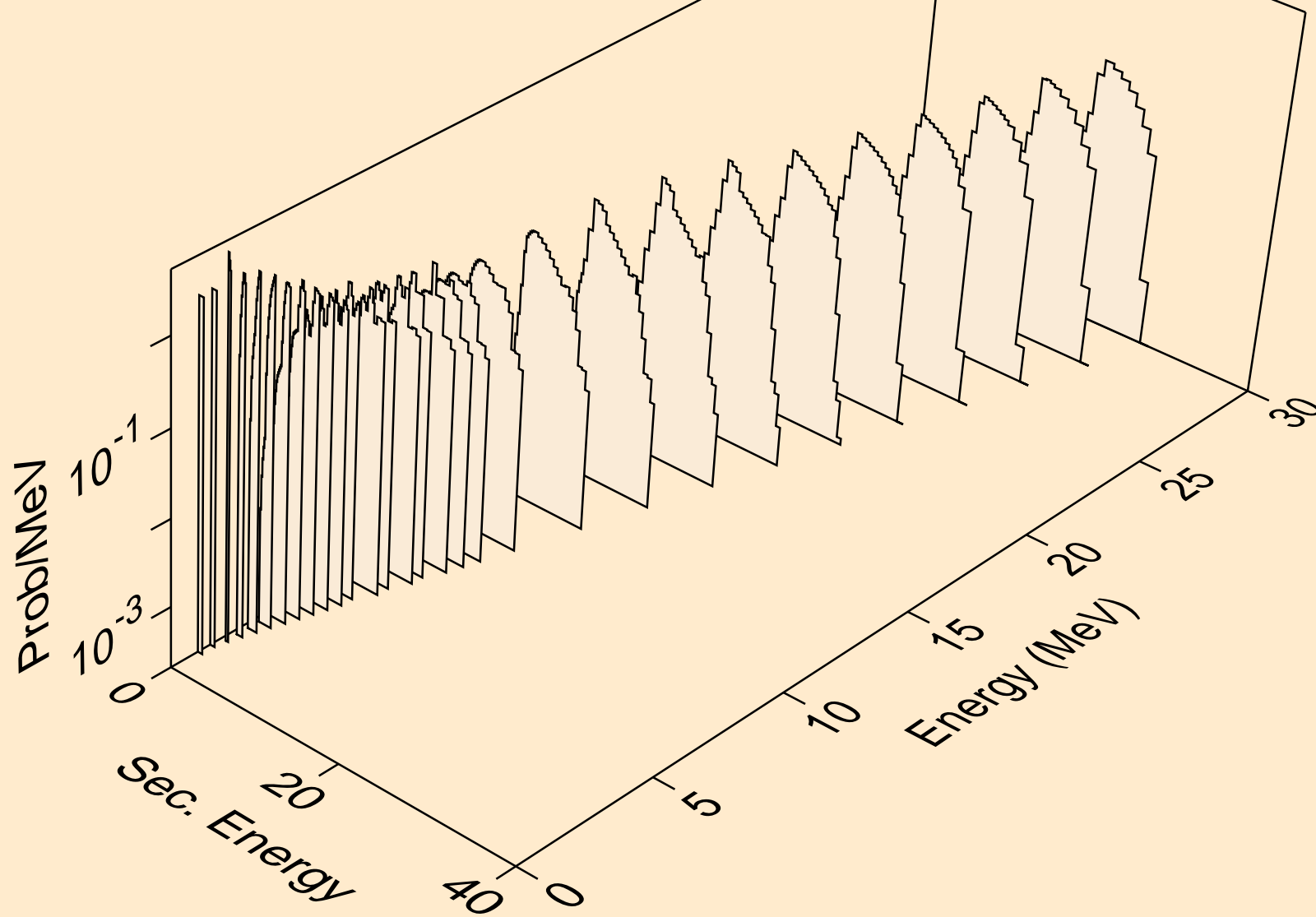


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protons from (n,npa)

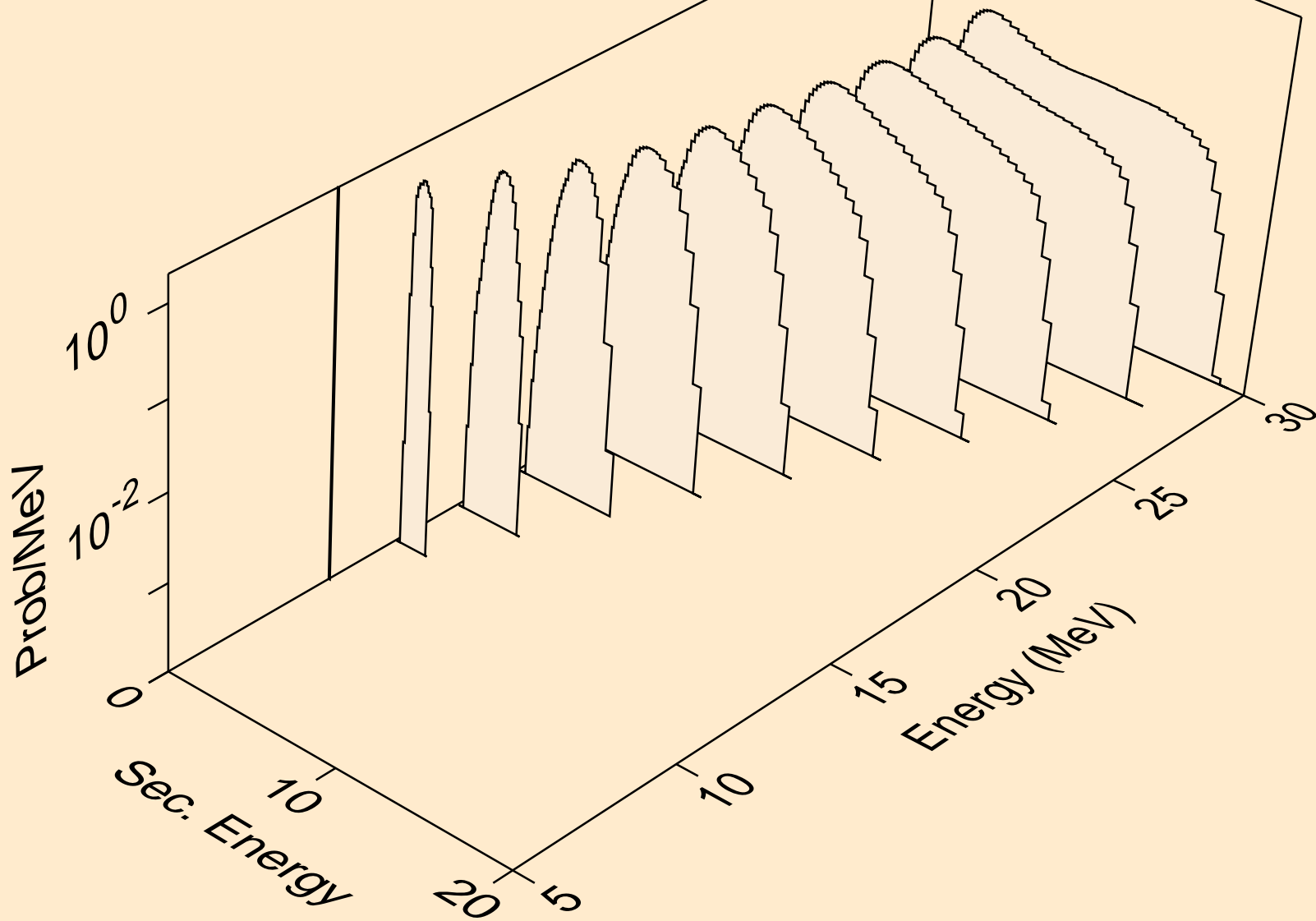




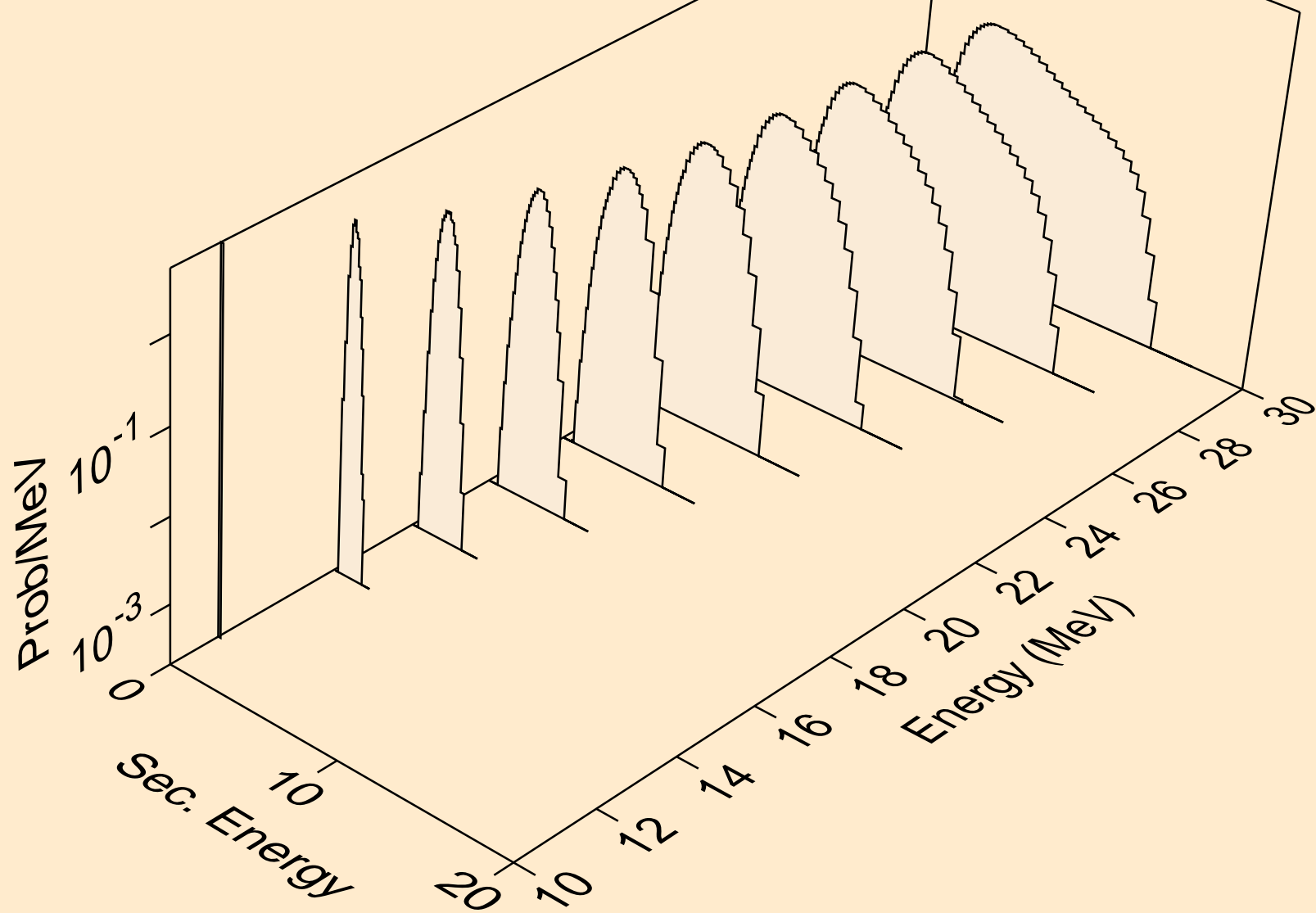
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protons from (n,p)



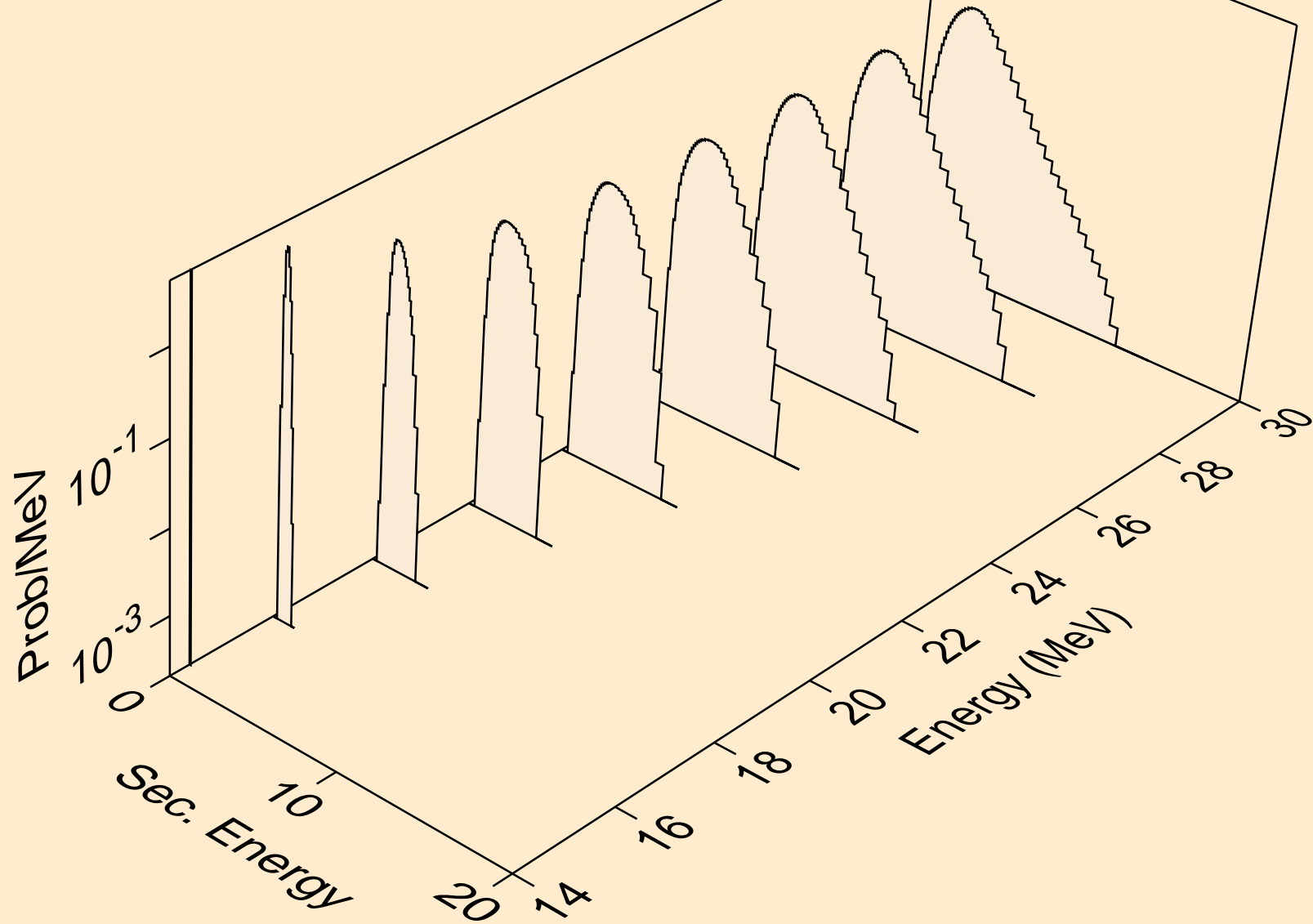
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protons from (n,2p)



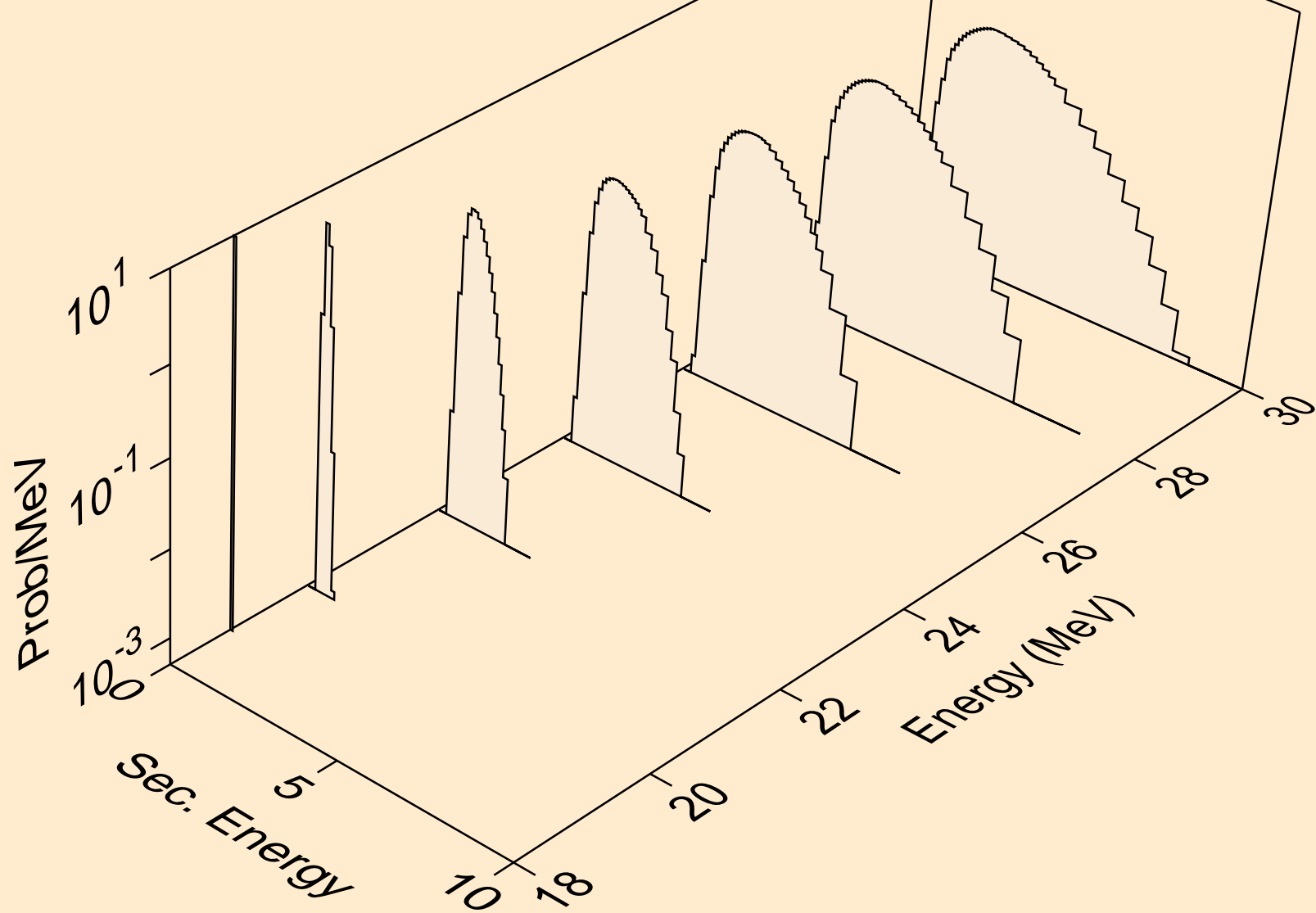
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protons from (n,p)



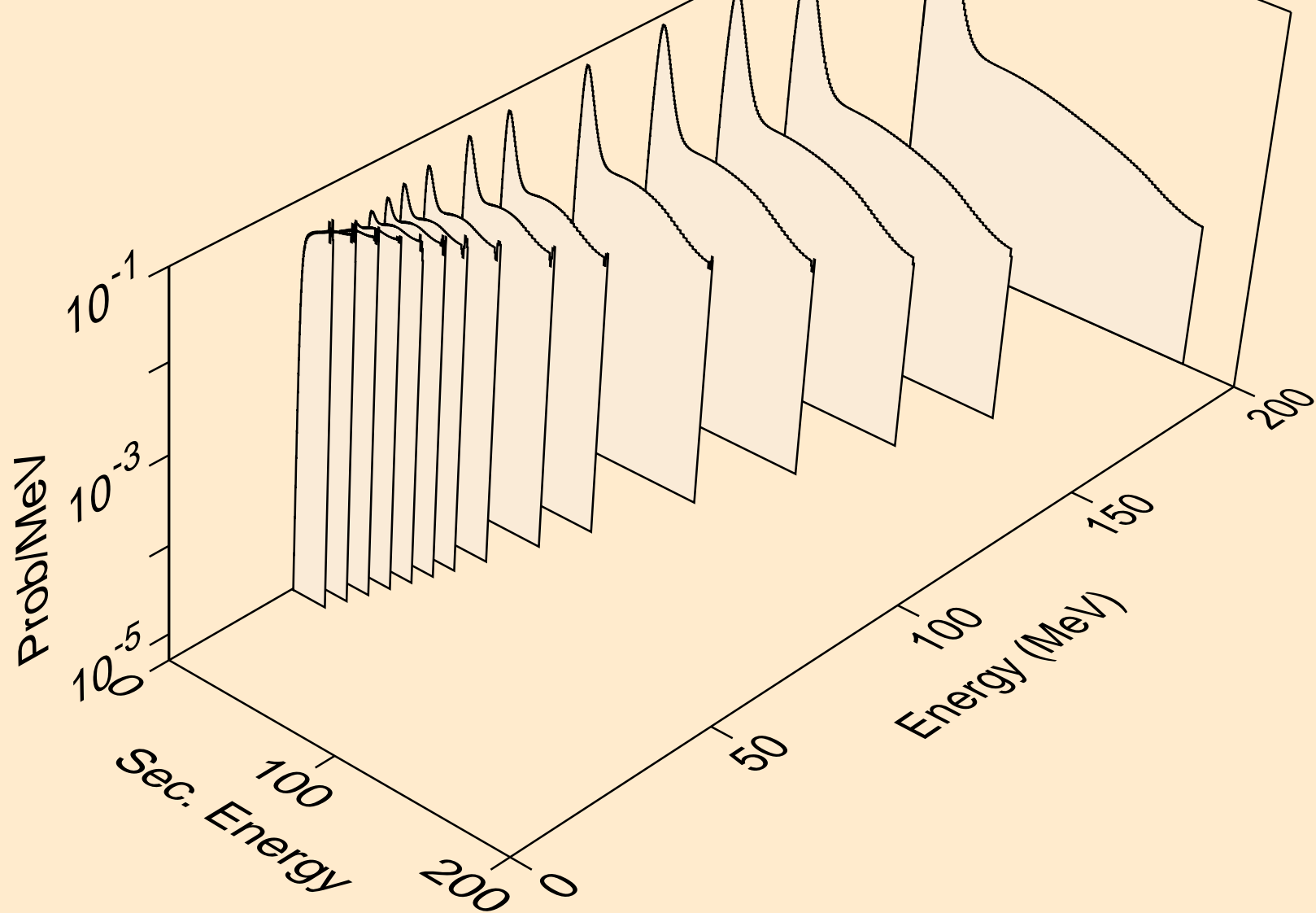
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protons from (n,pd)



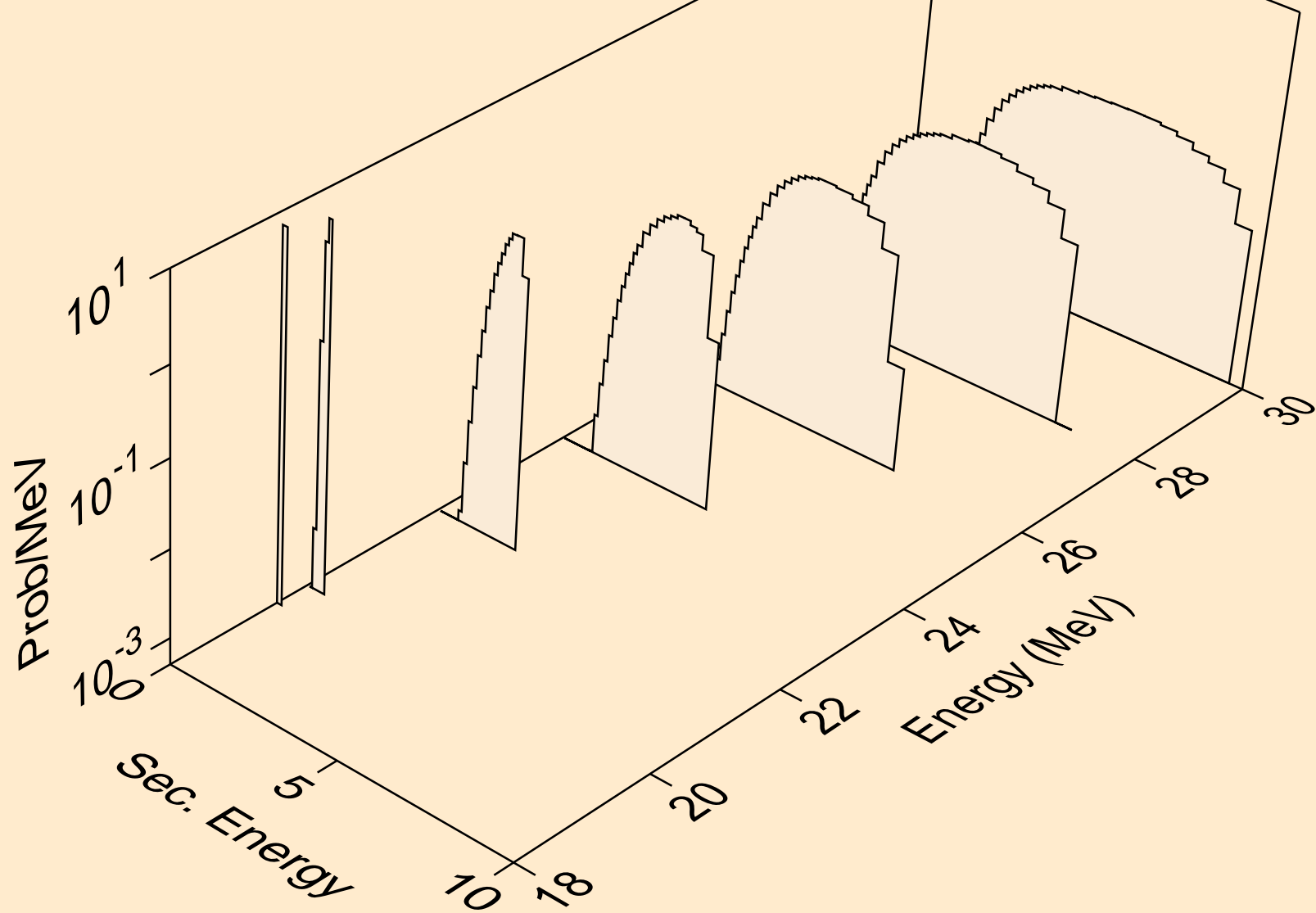
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pt)



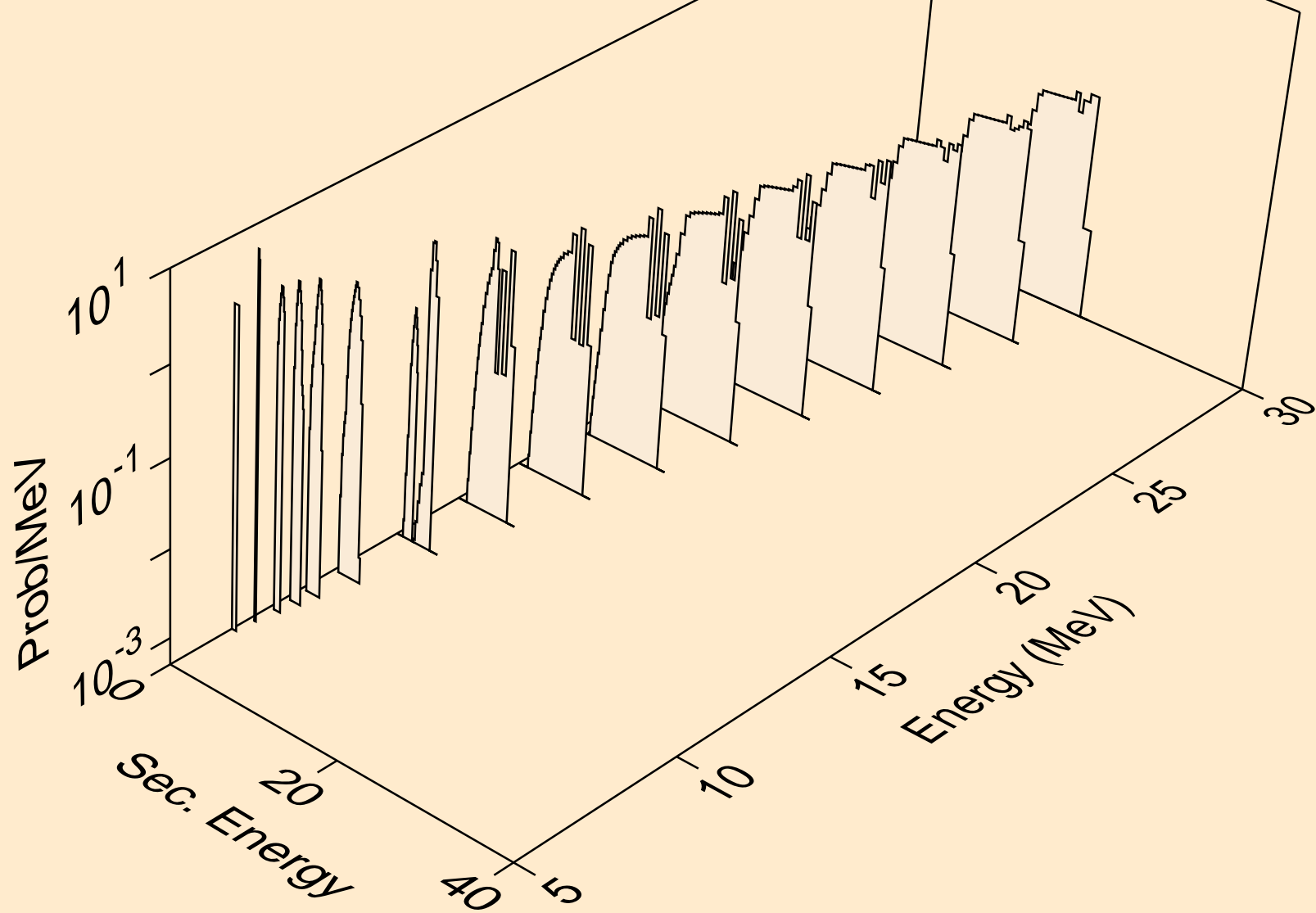
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,x)



S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,n\*)d

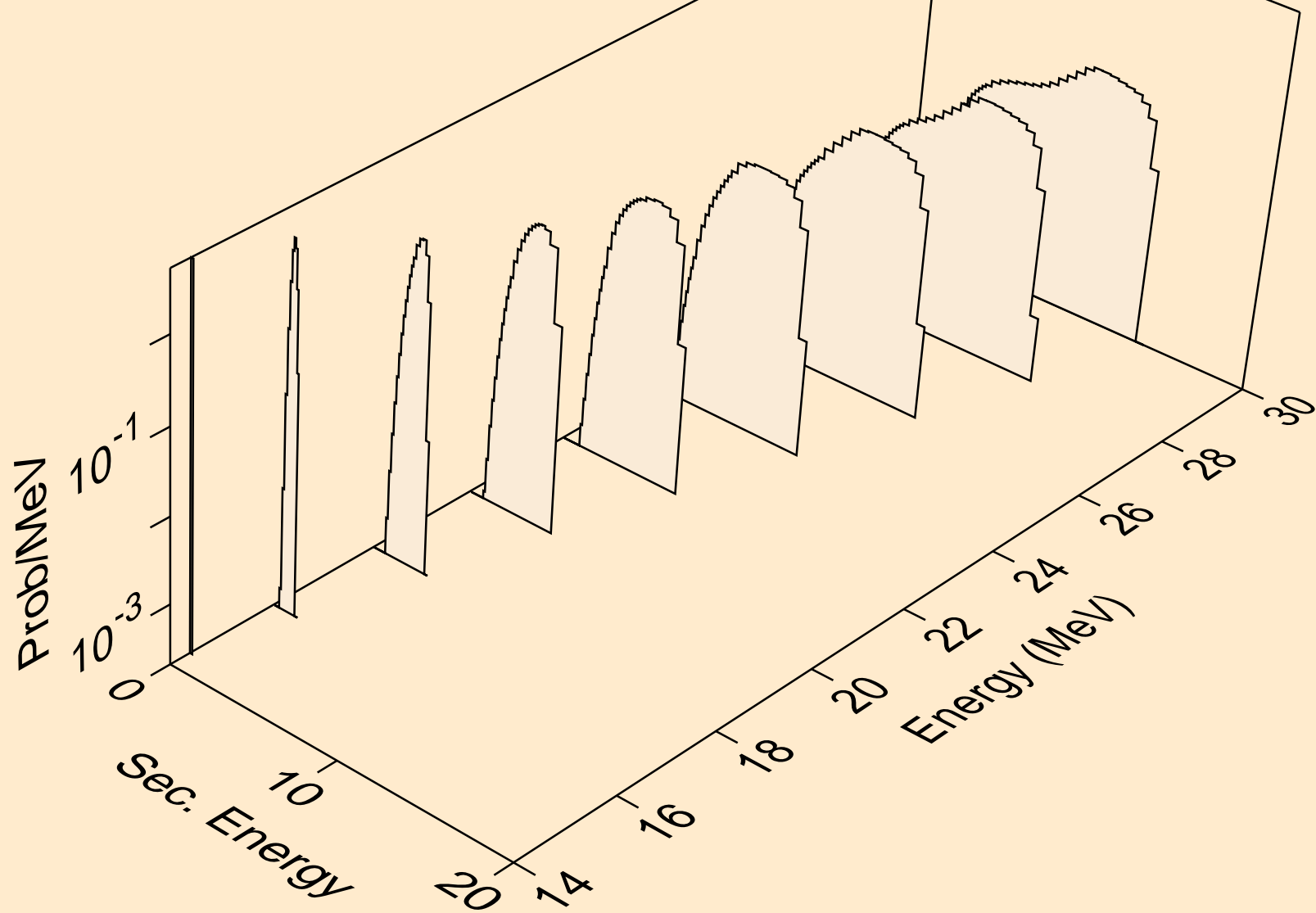


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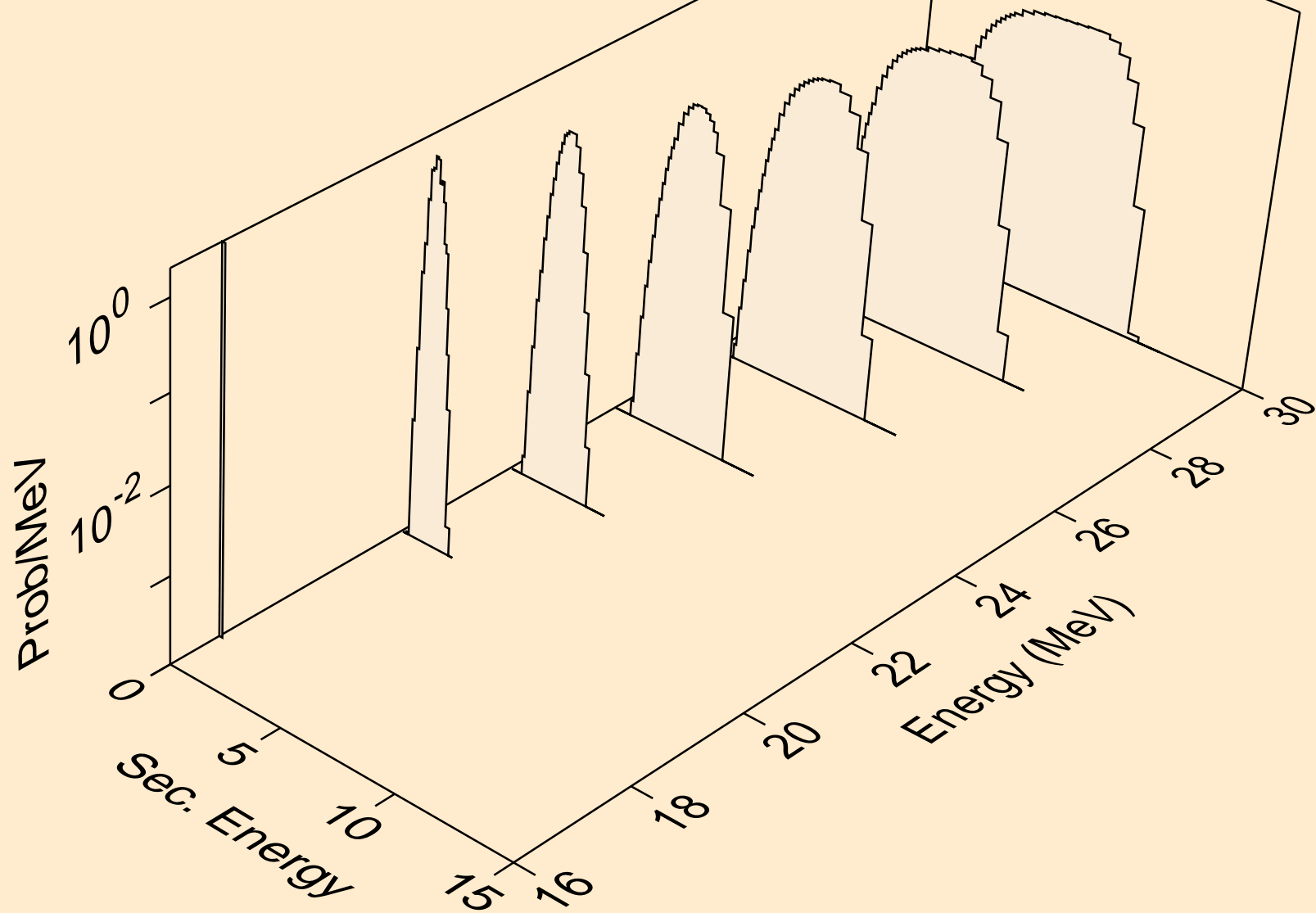




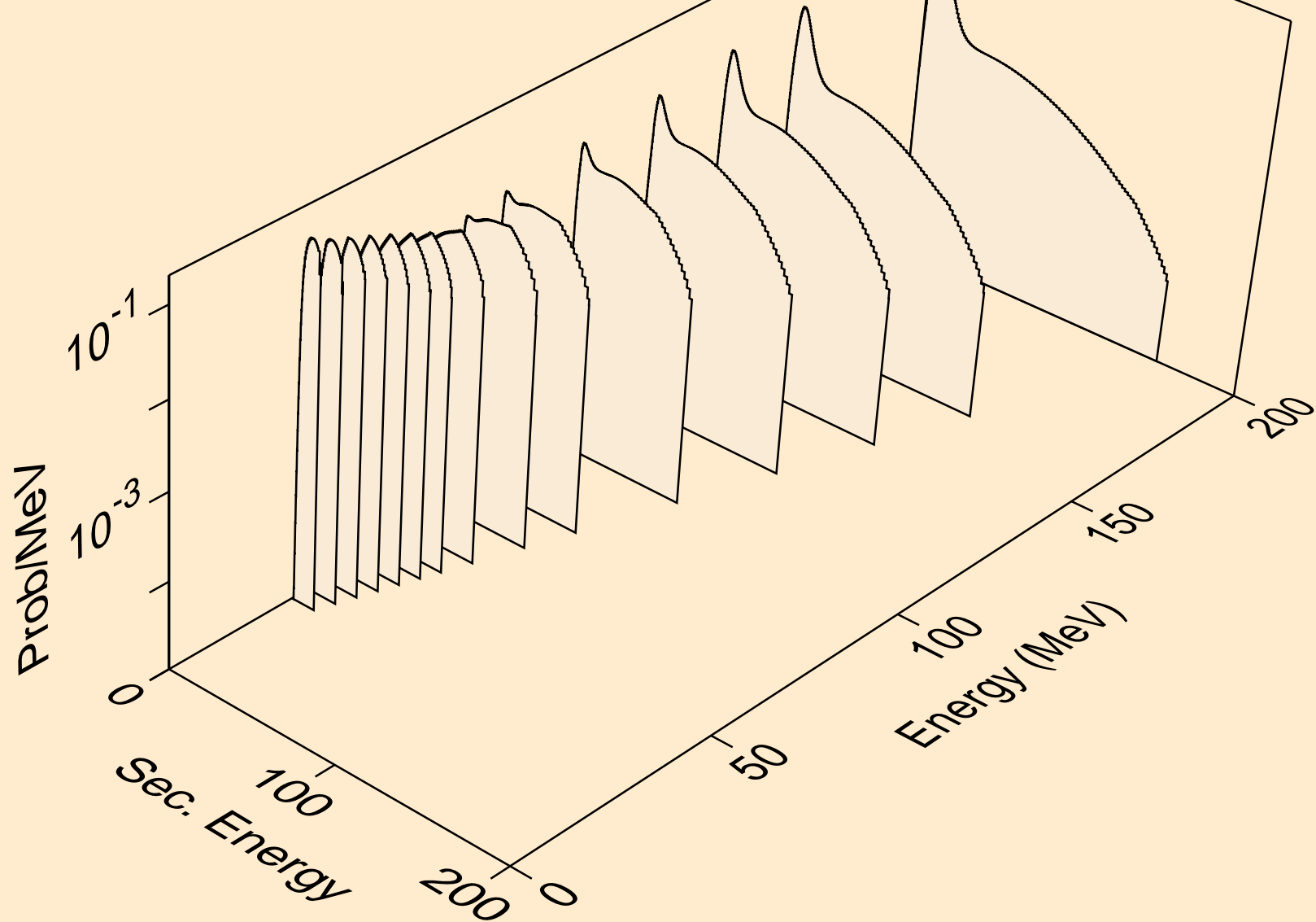
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deuterons from (n,pd)



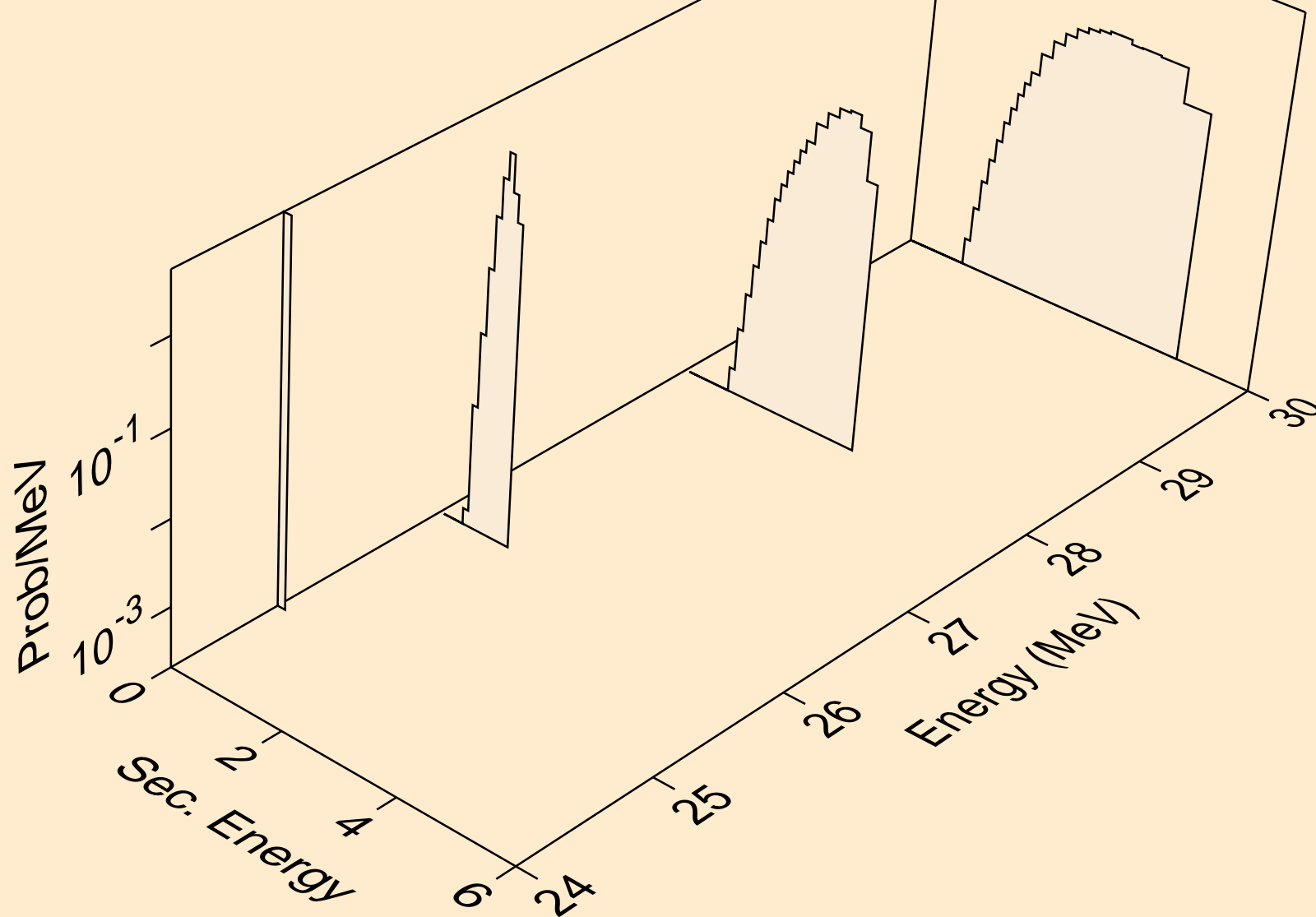
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deuterons from (n,da)



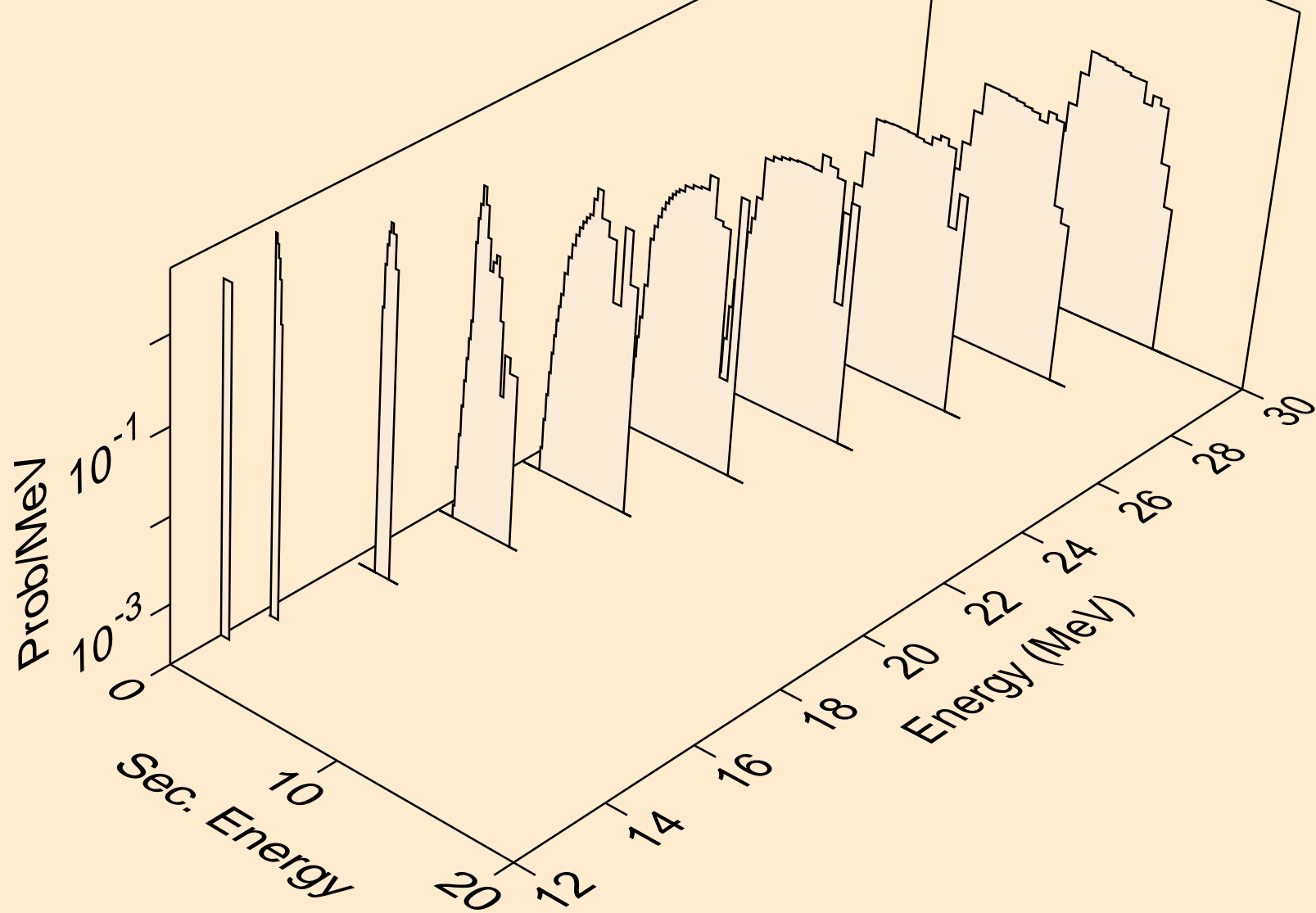
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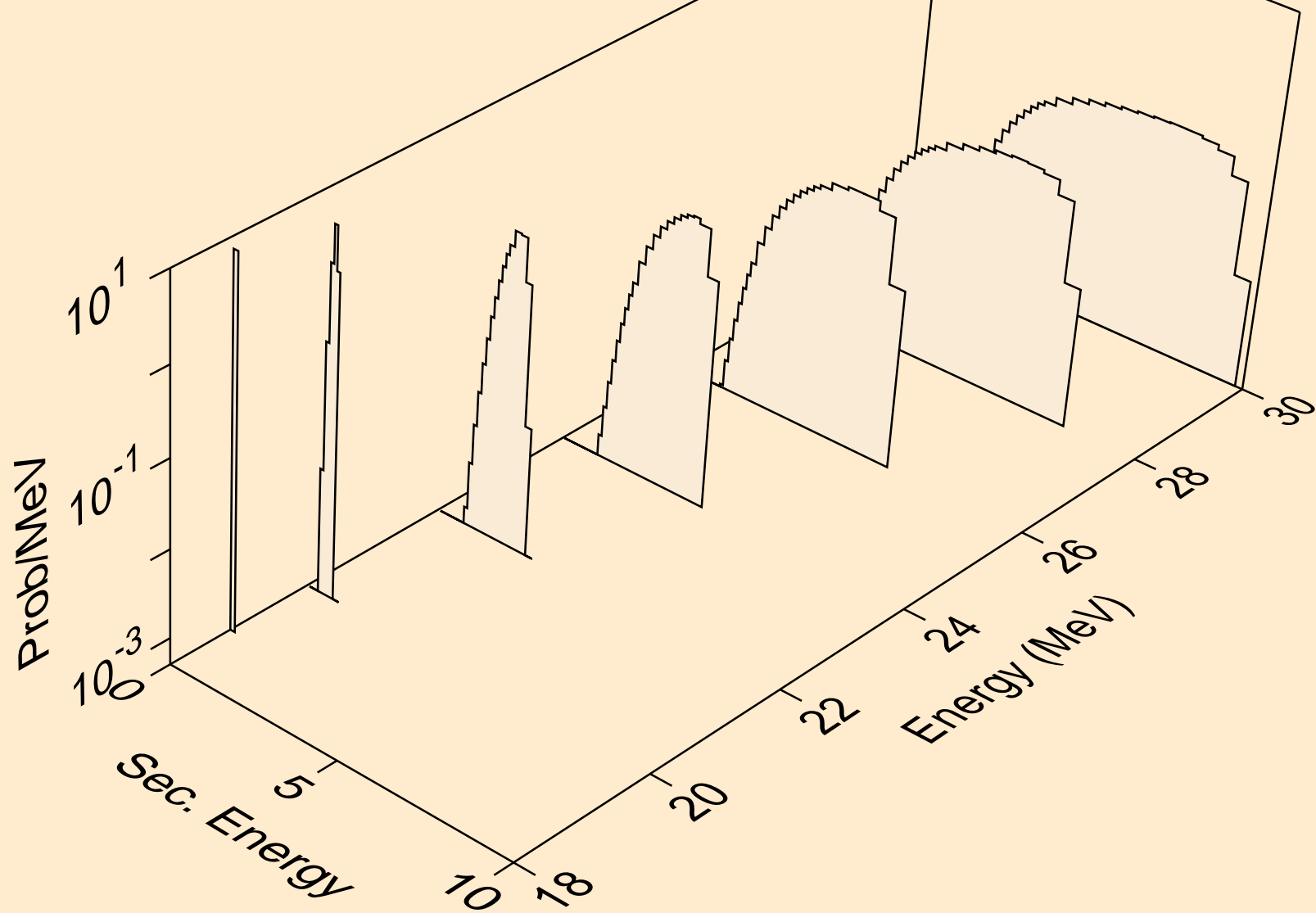
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t



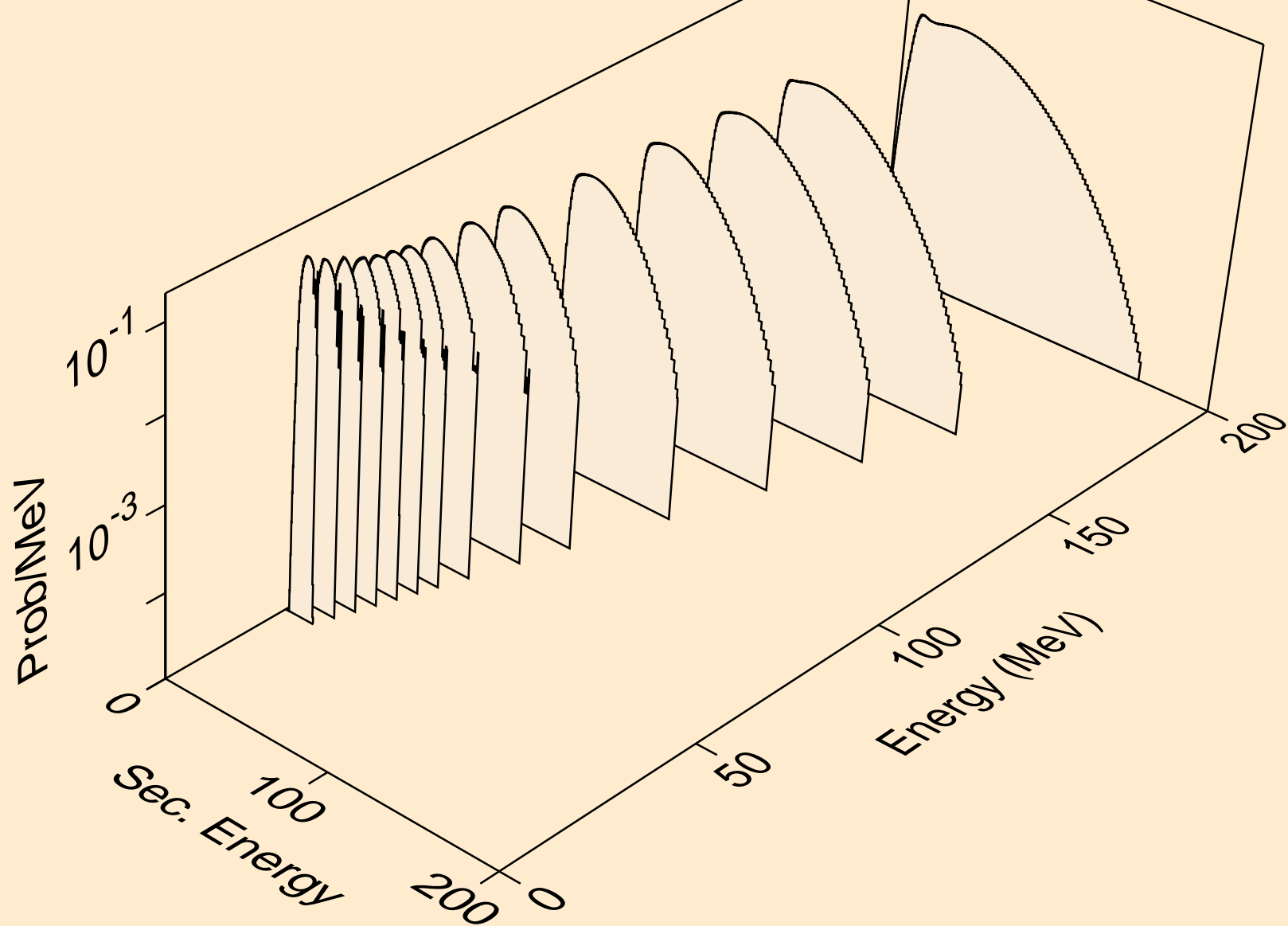
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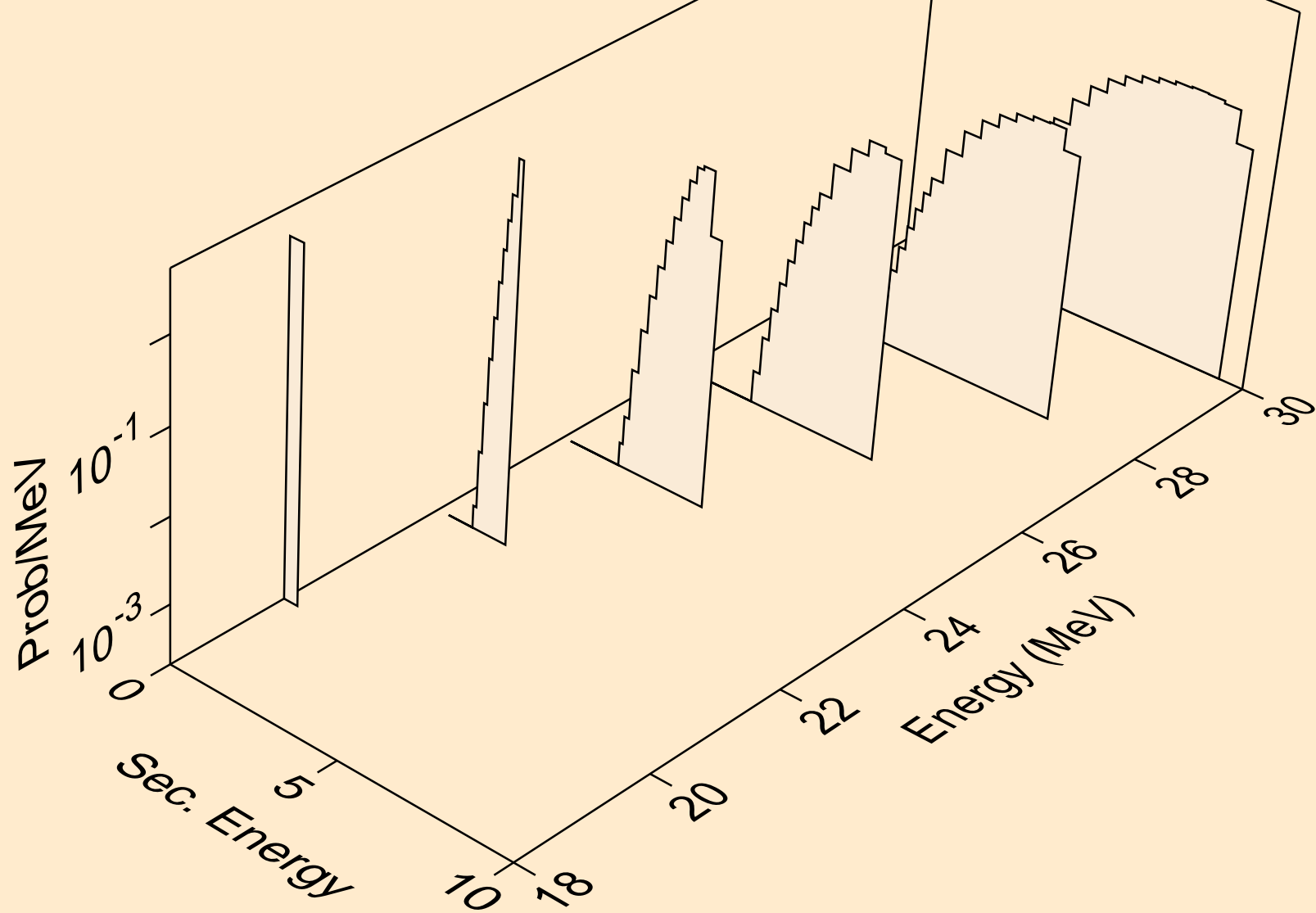
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S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)

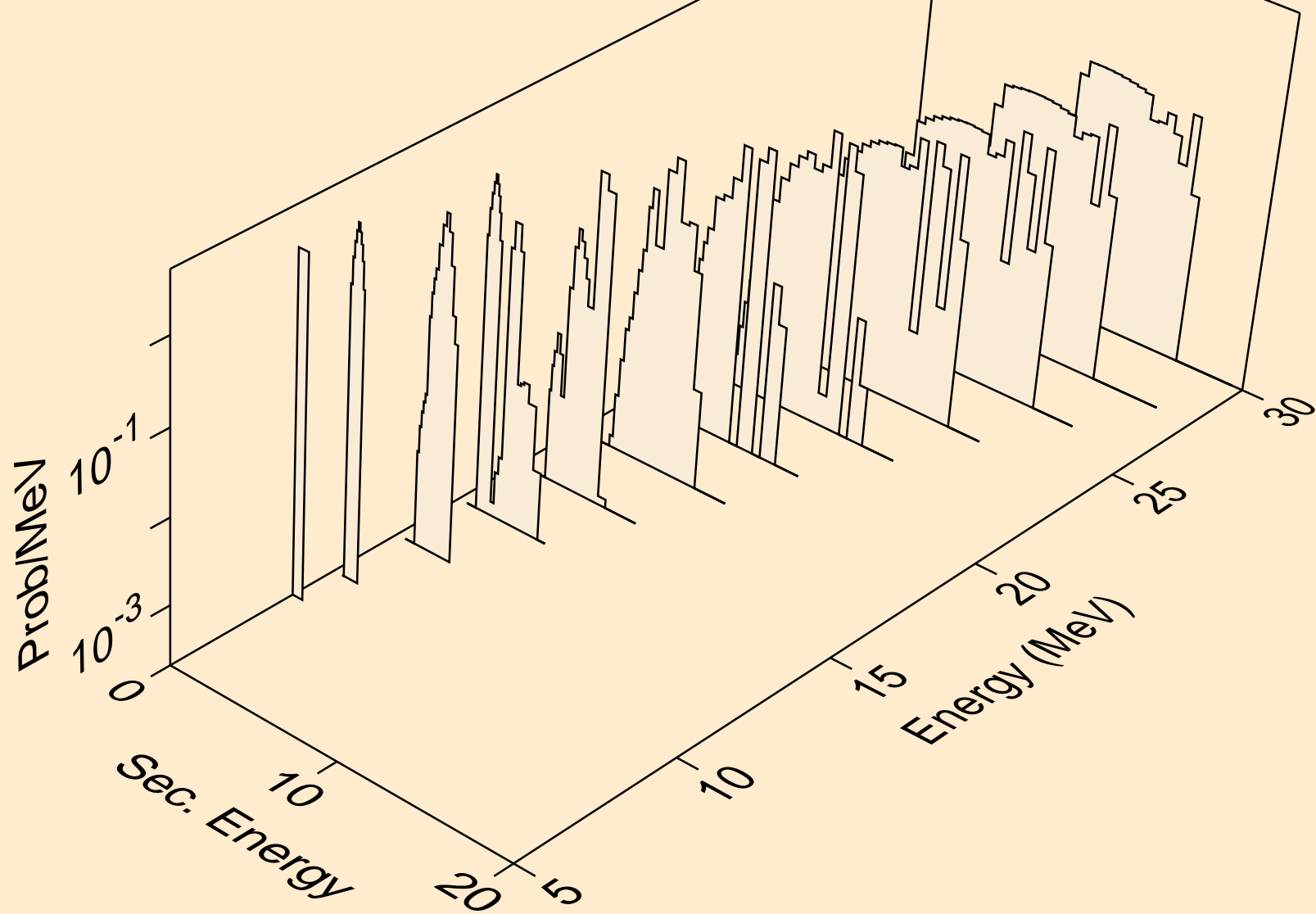


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he3s from (n,n\*)he3

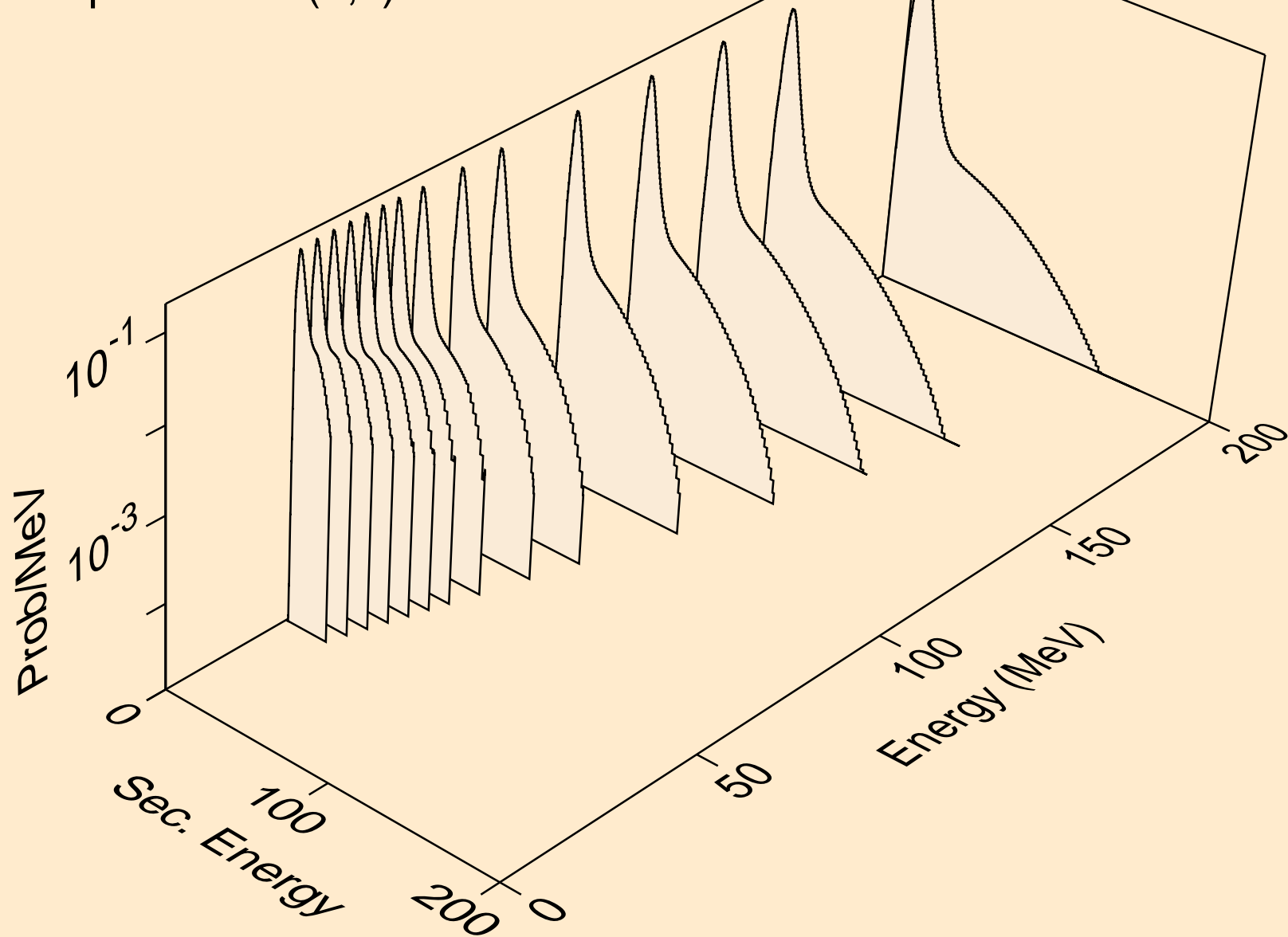




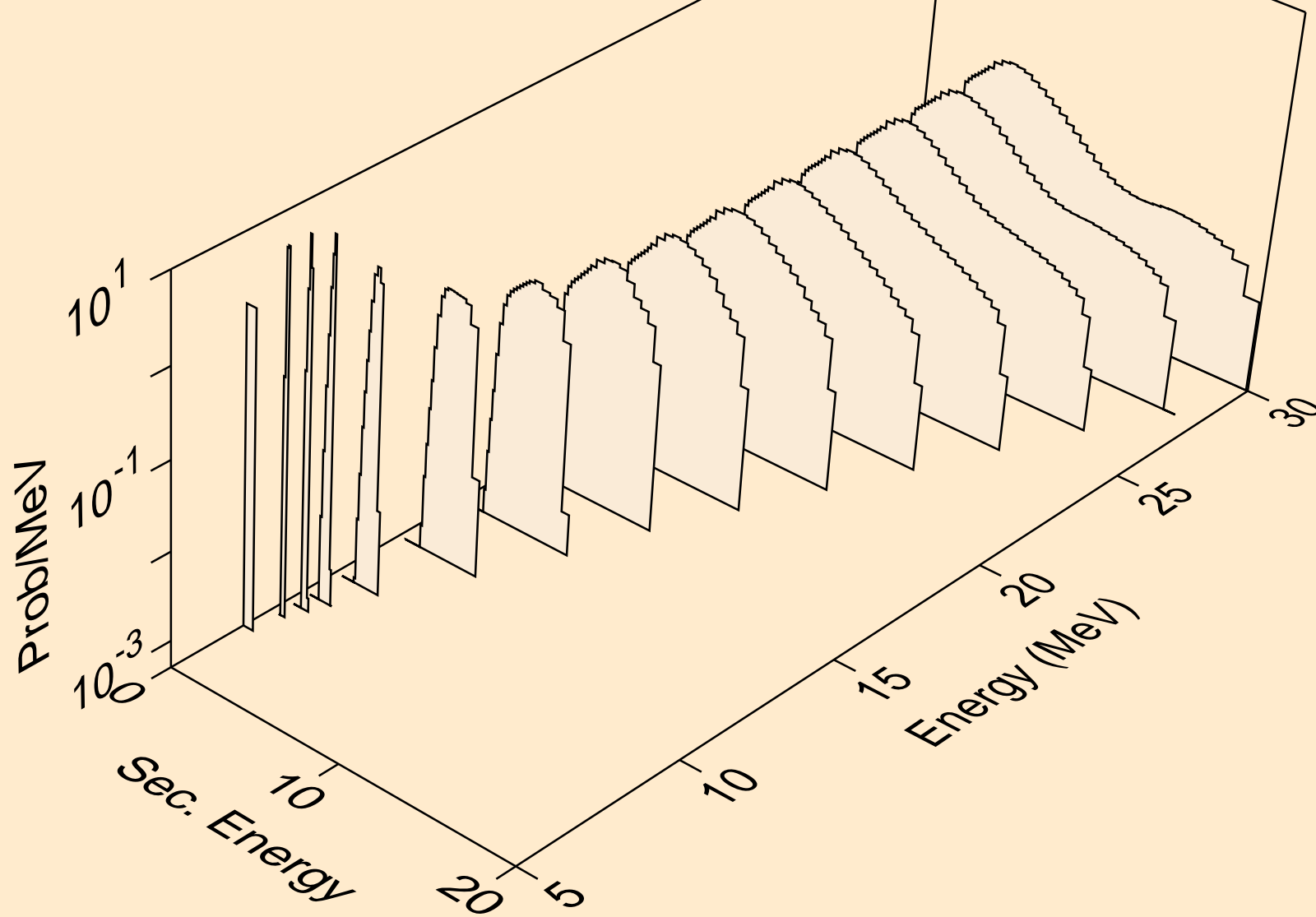
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he3s from (n,he3)



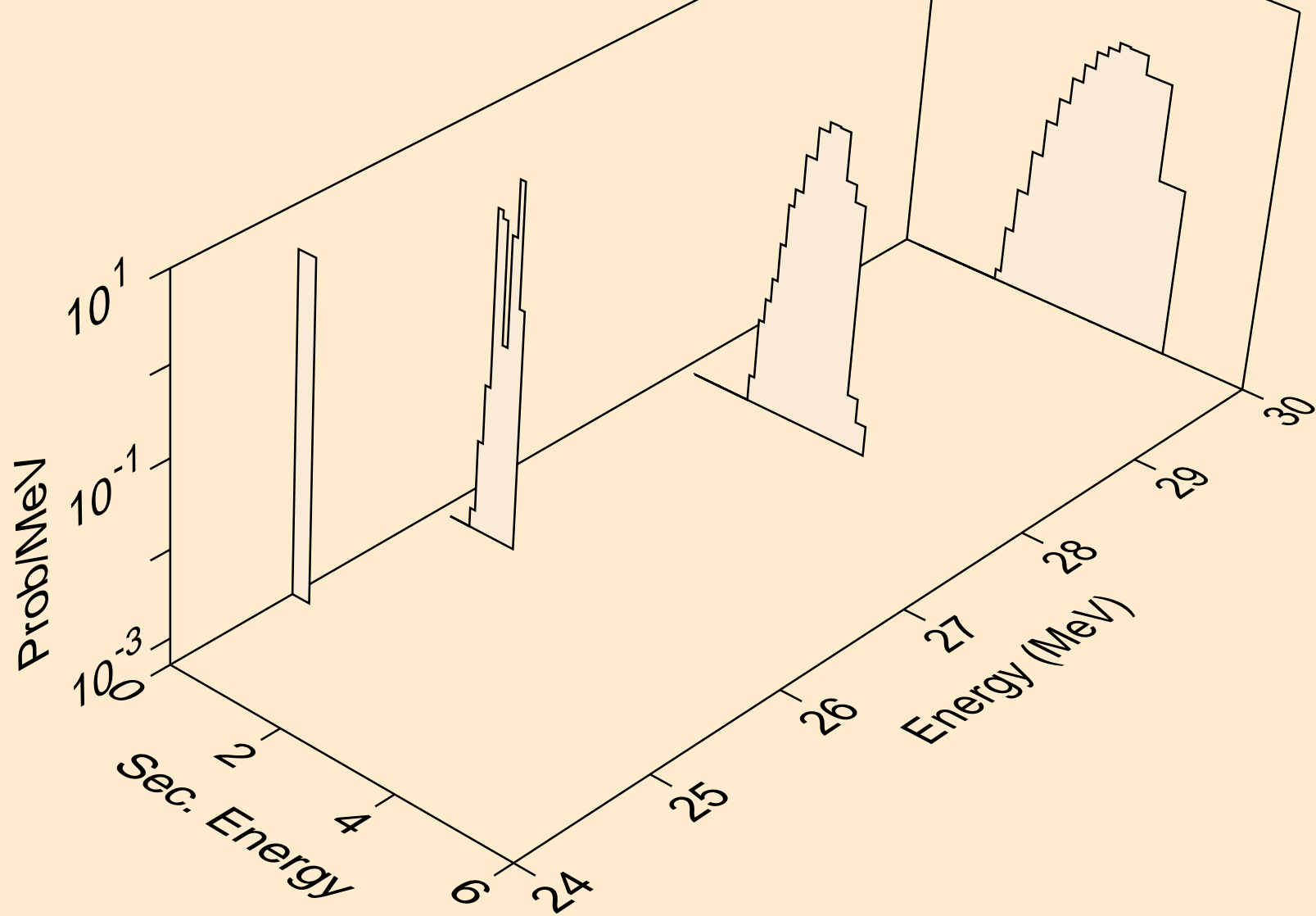
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)



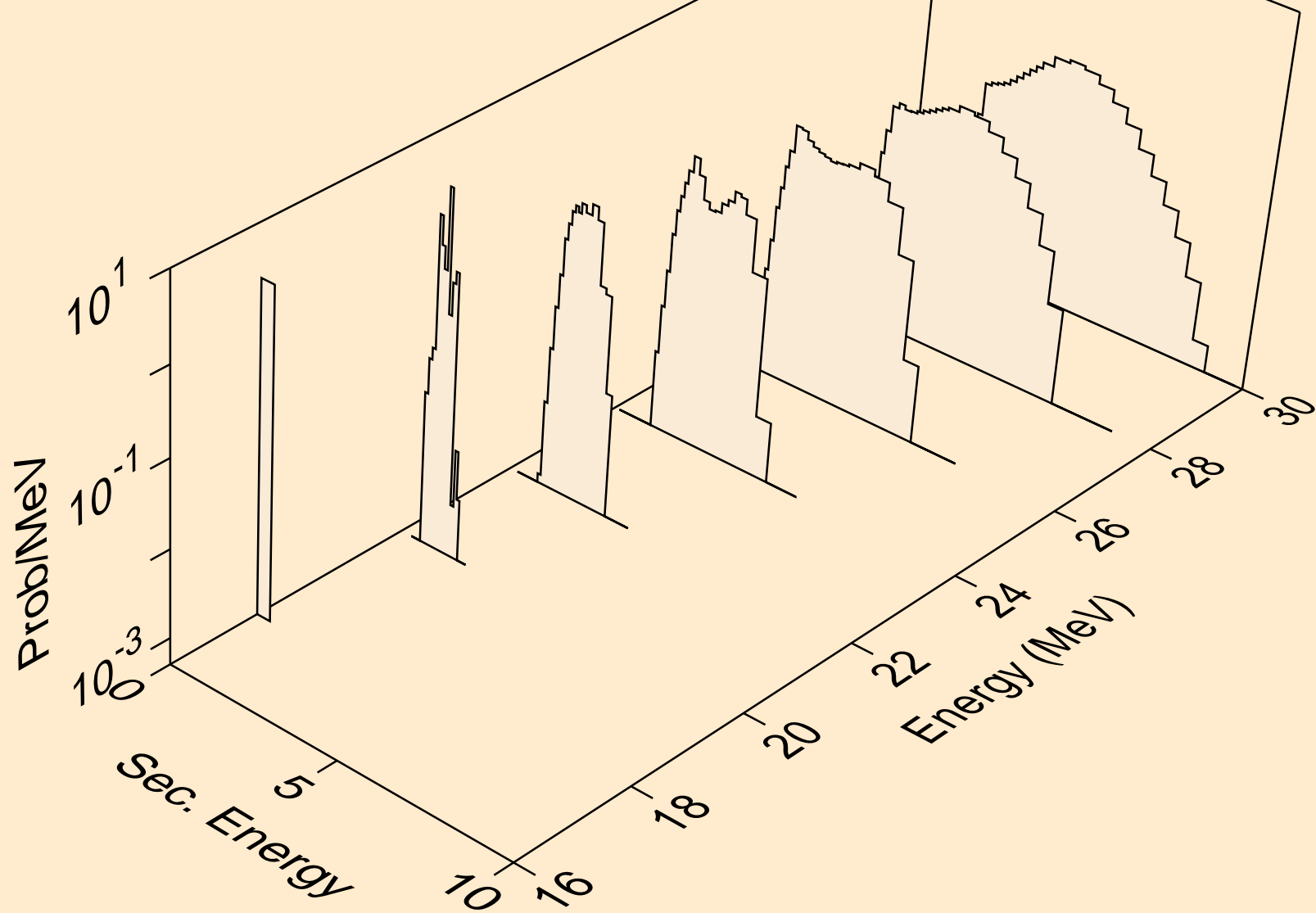
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alphas from (n,n\*)a



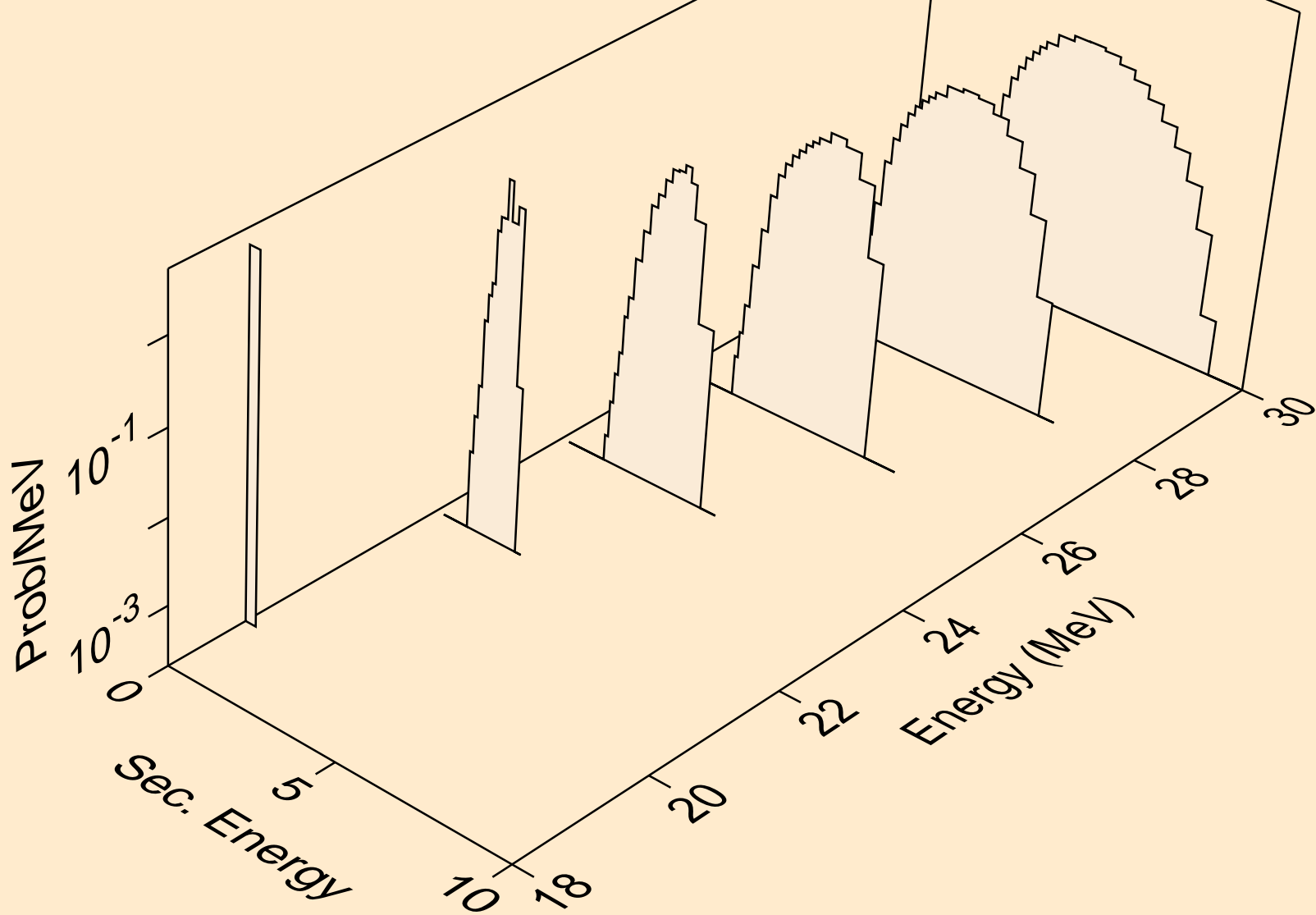
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alphas from (n,2n)a



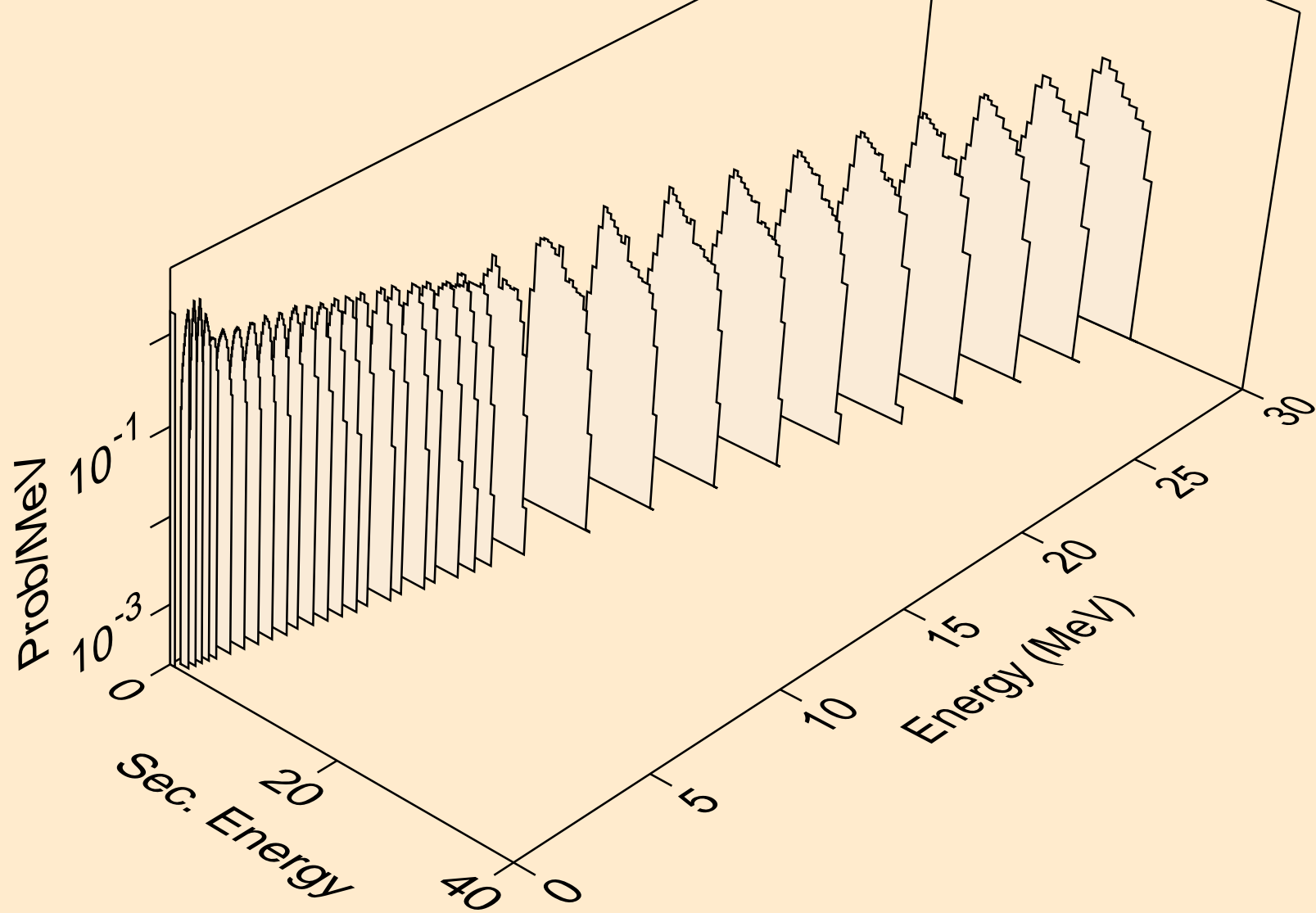
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alphas from (n,n\*)2a



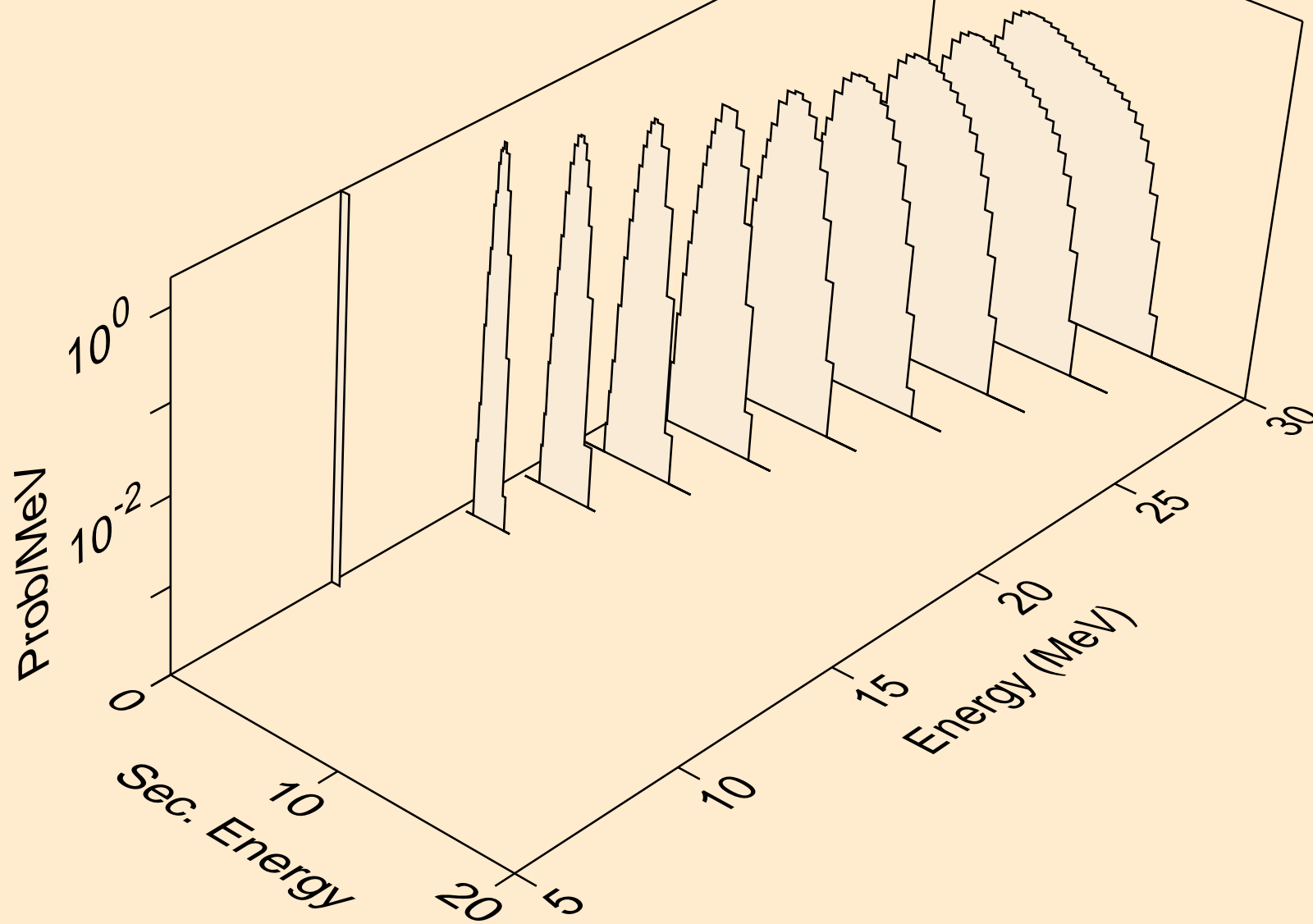
S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)



S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)

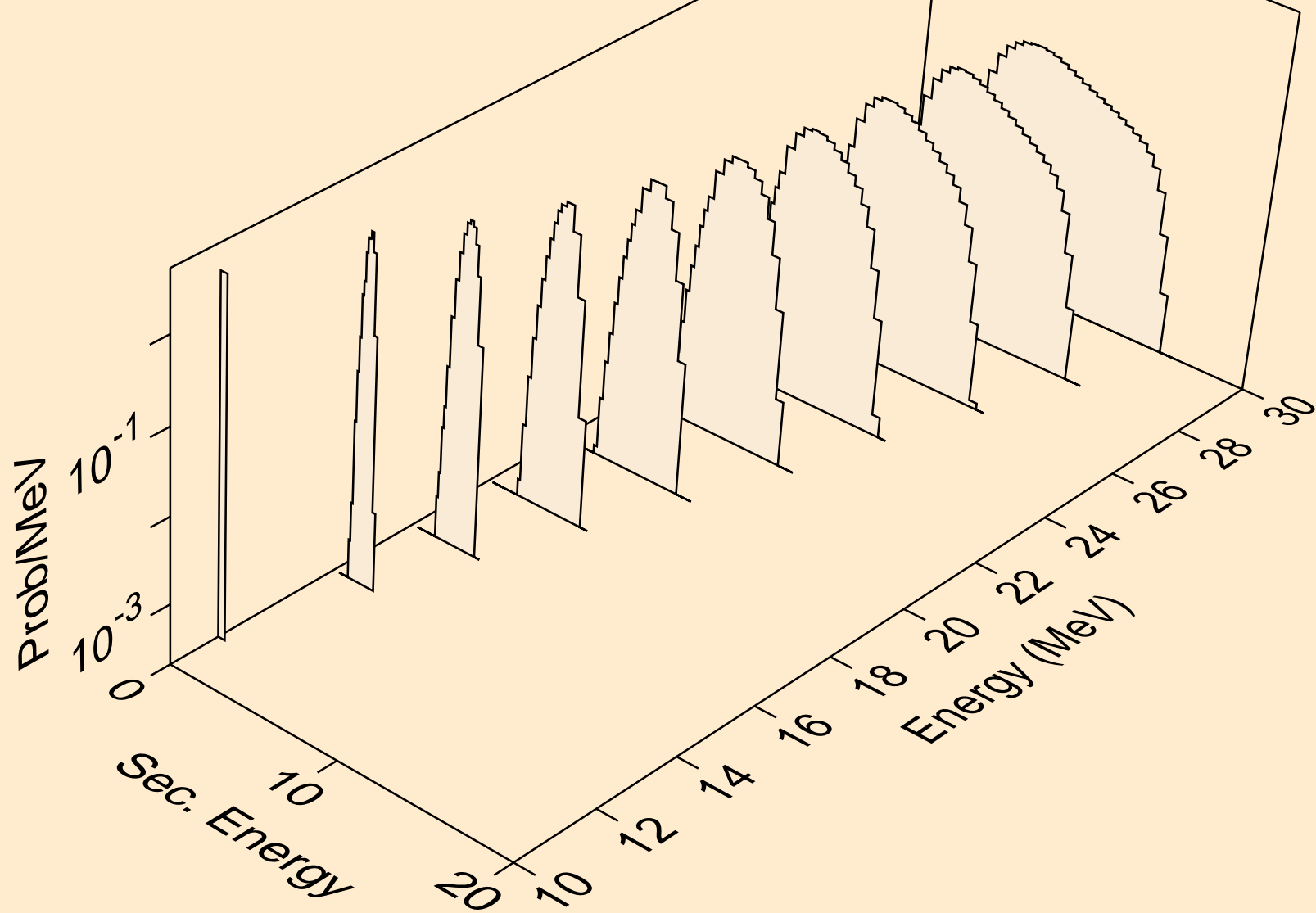


S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)





S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)



S032 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

