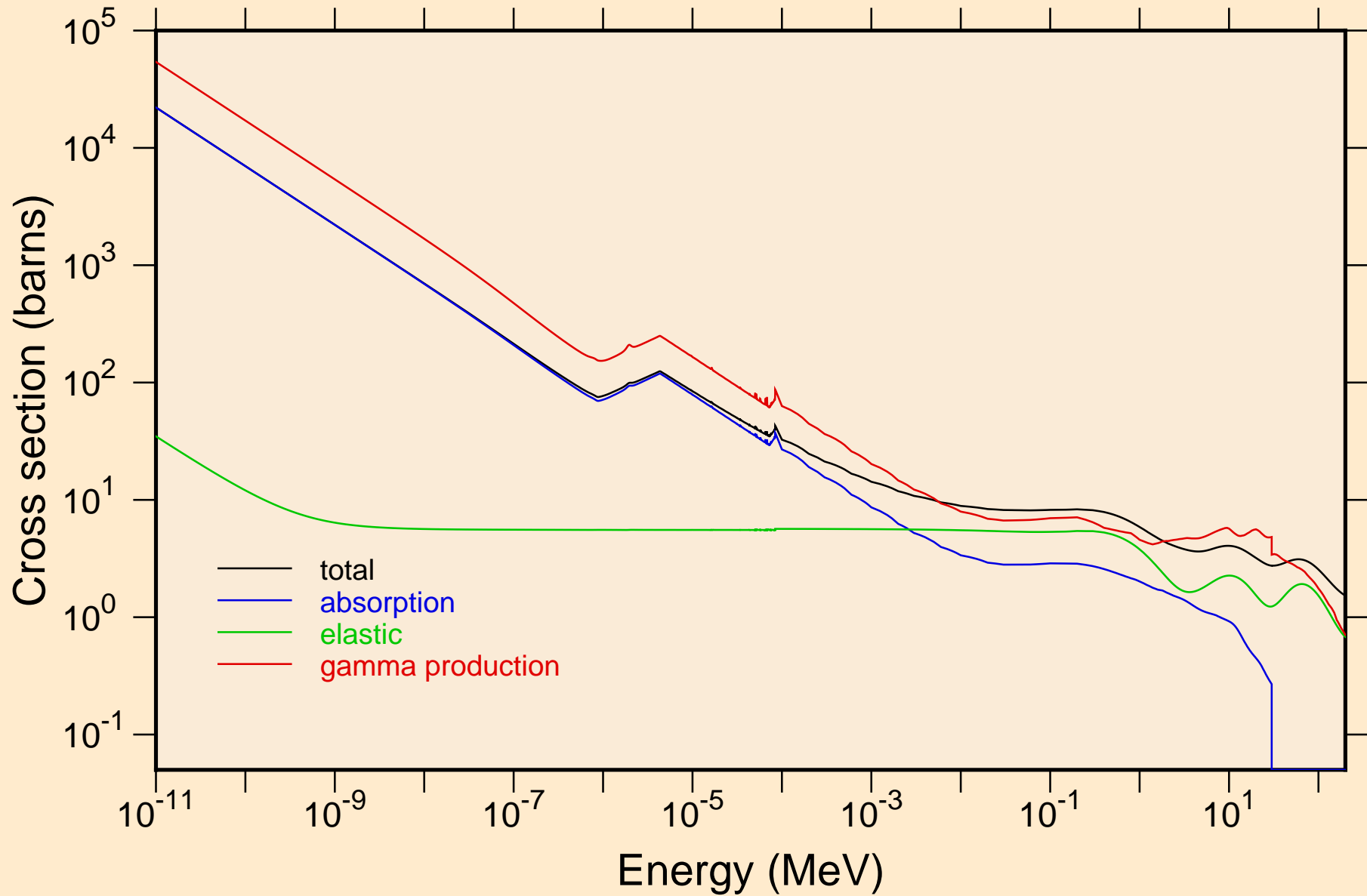
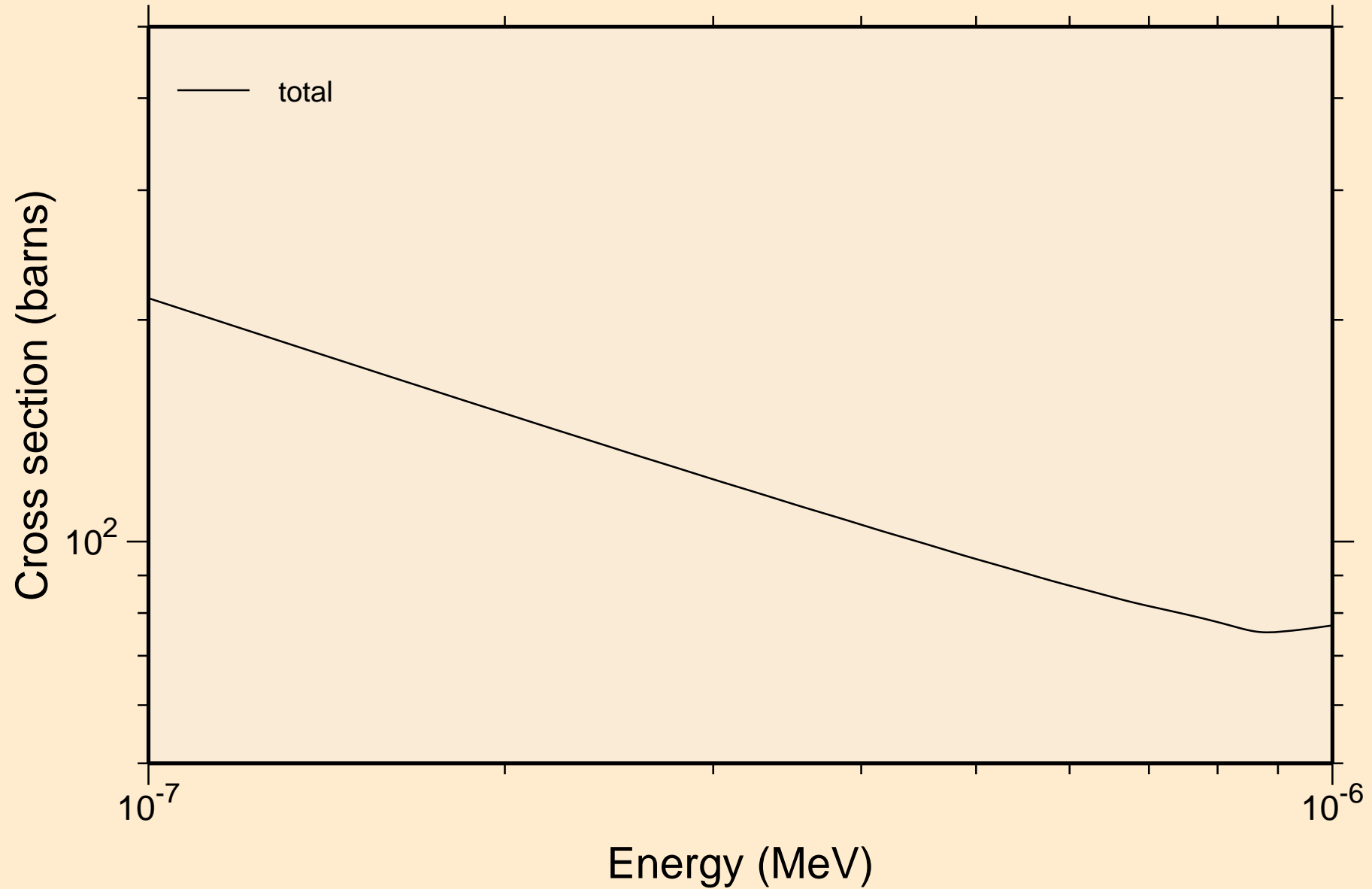


# ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

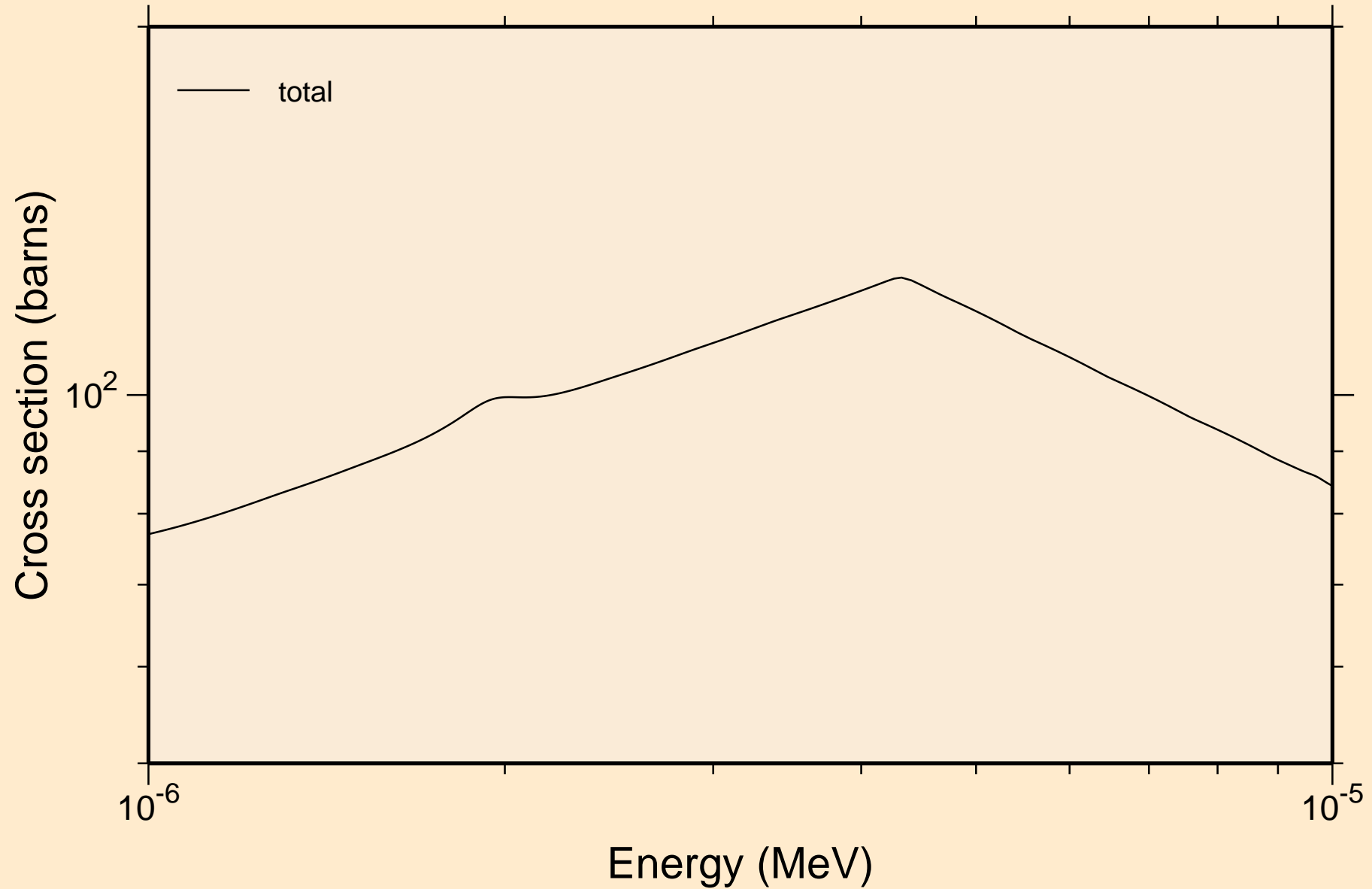
## Principal cross sections



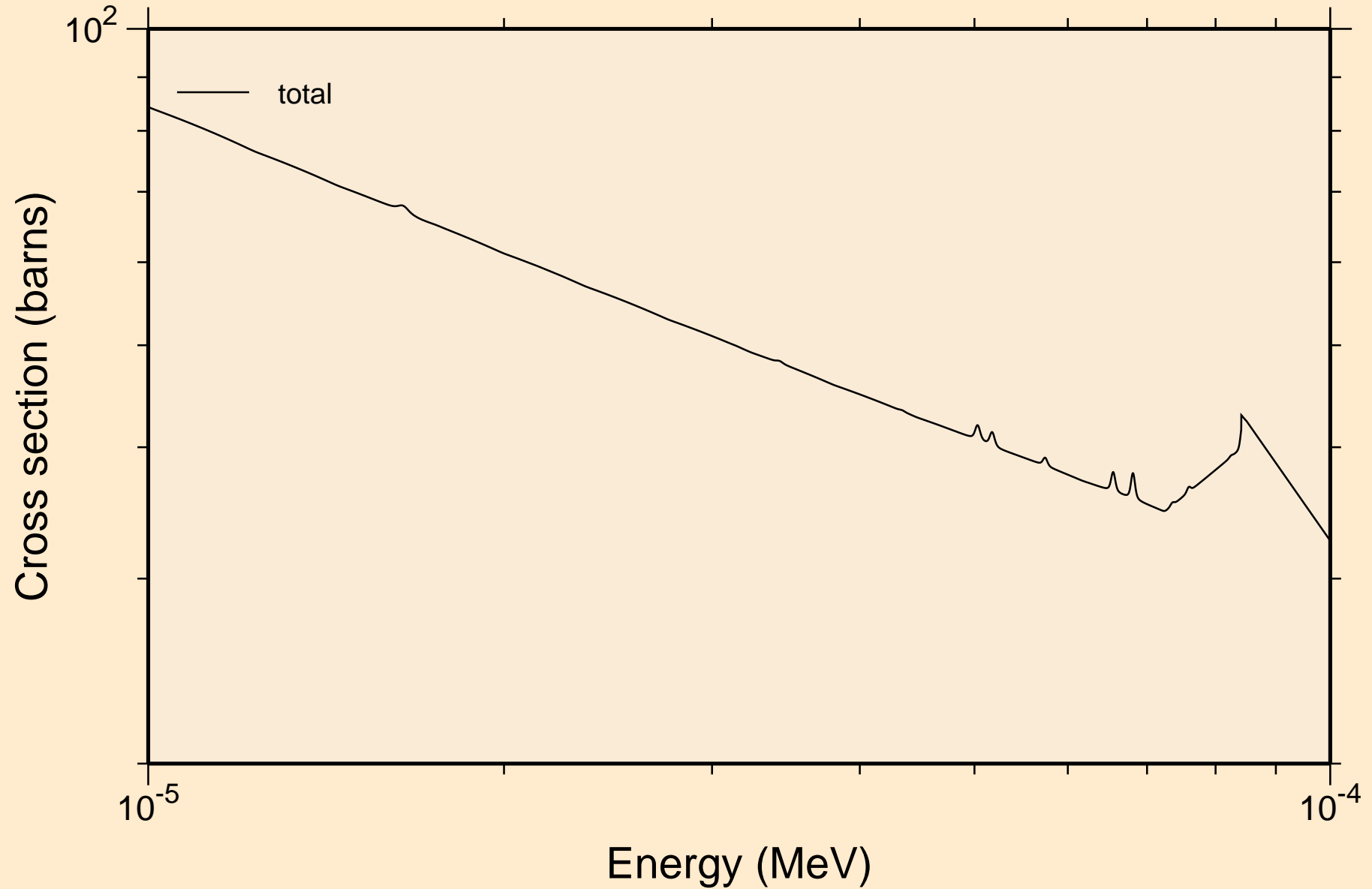
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



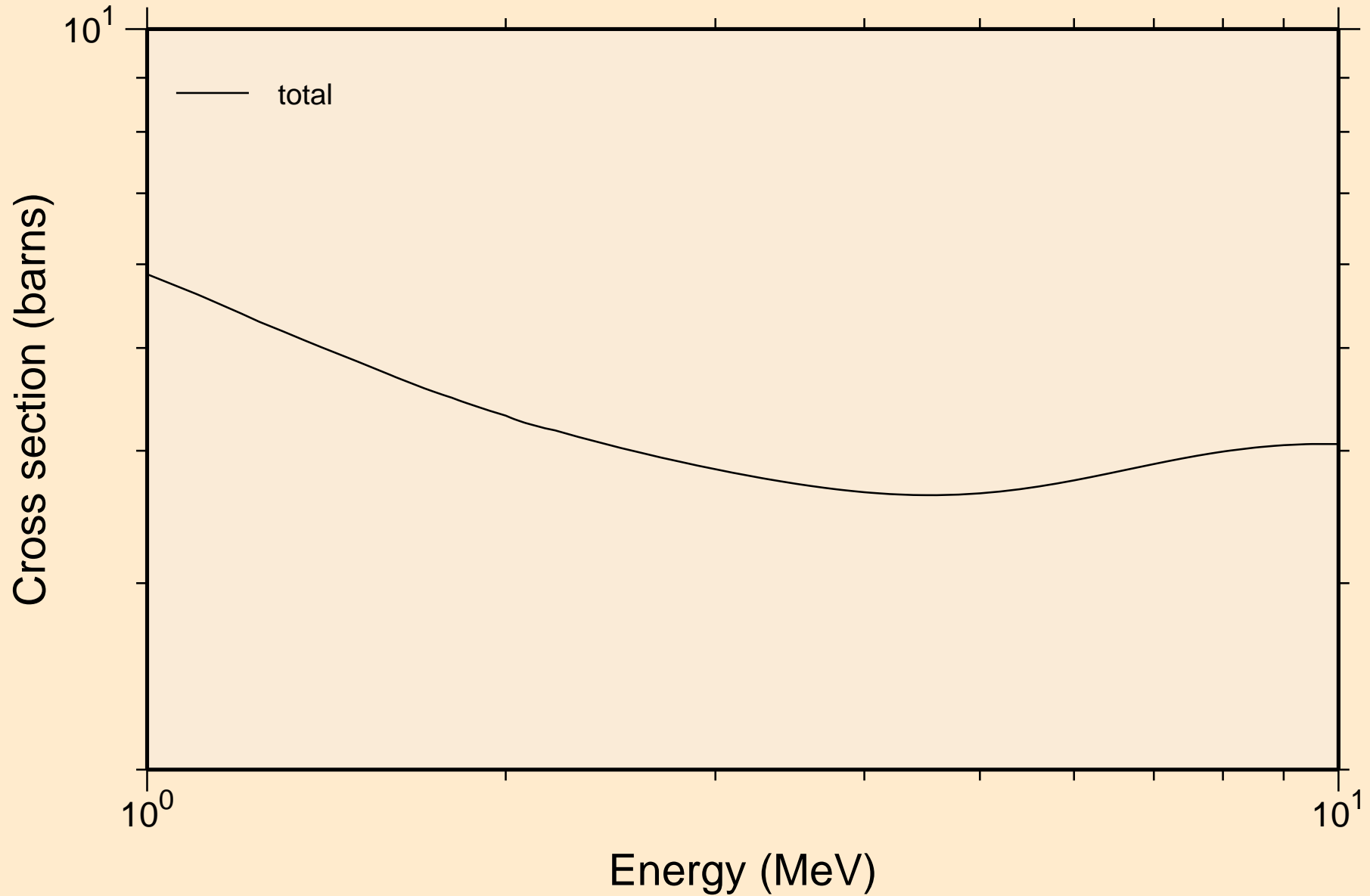
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



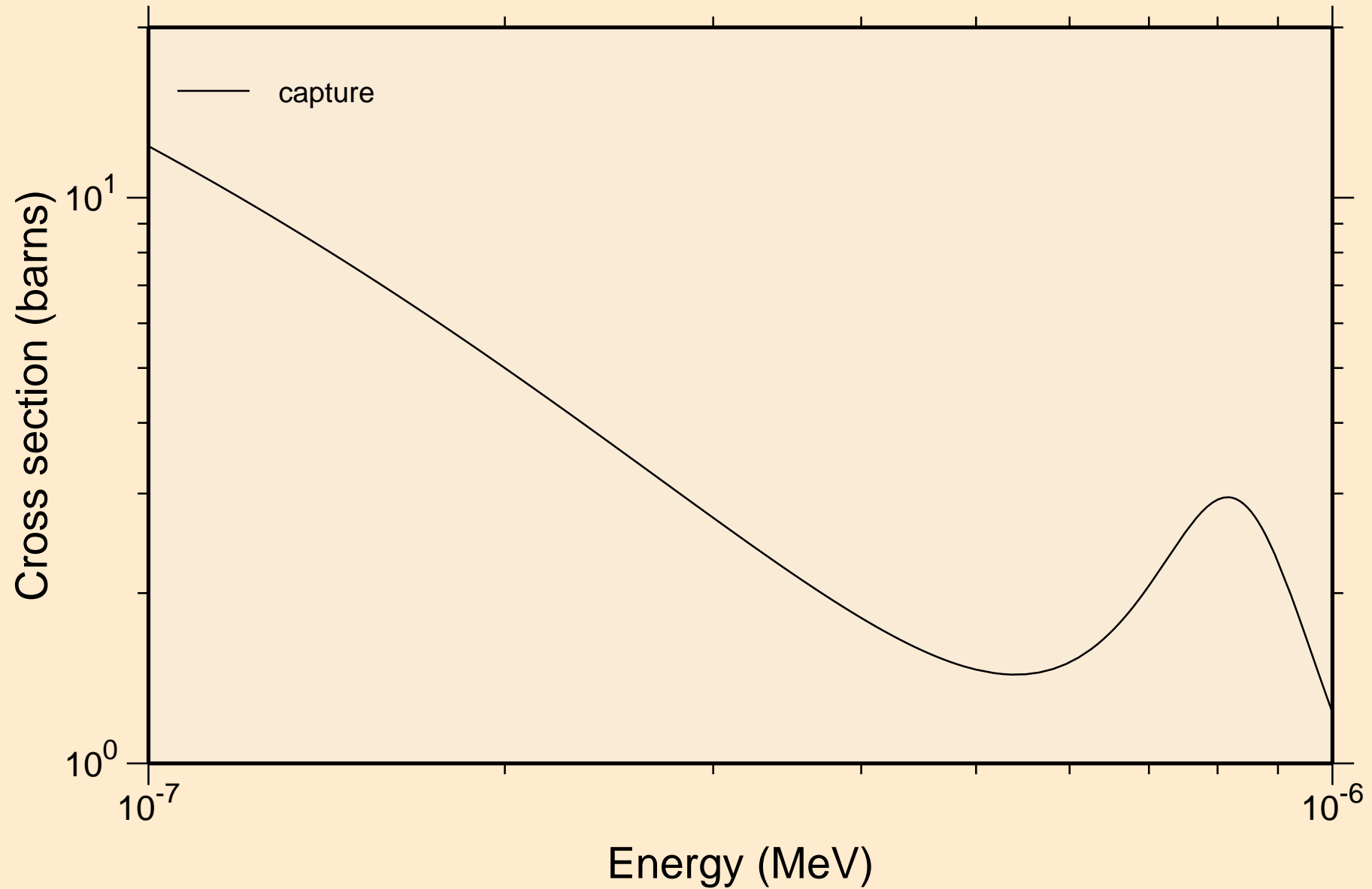
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



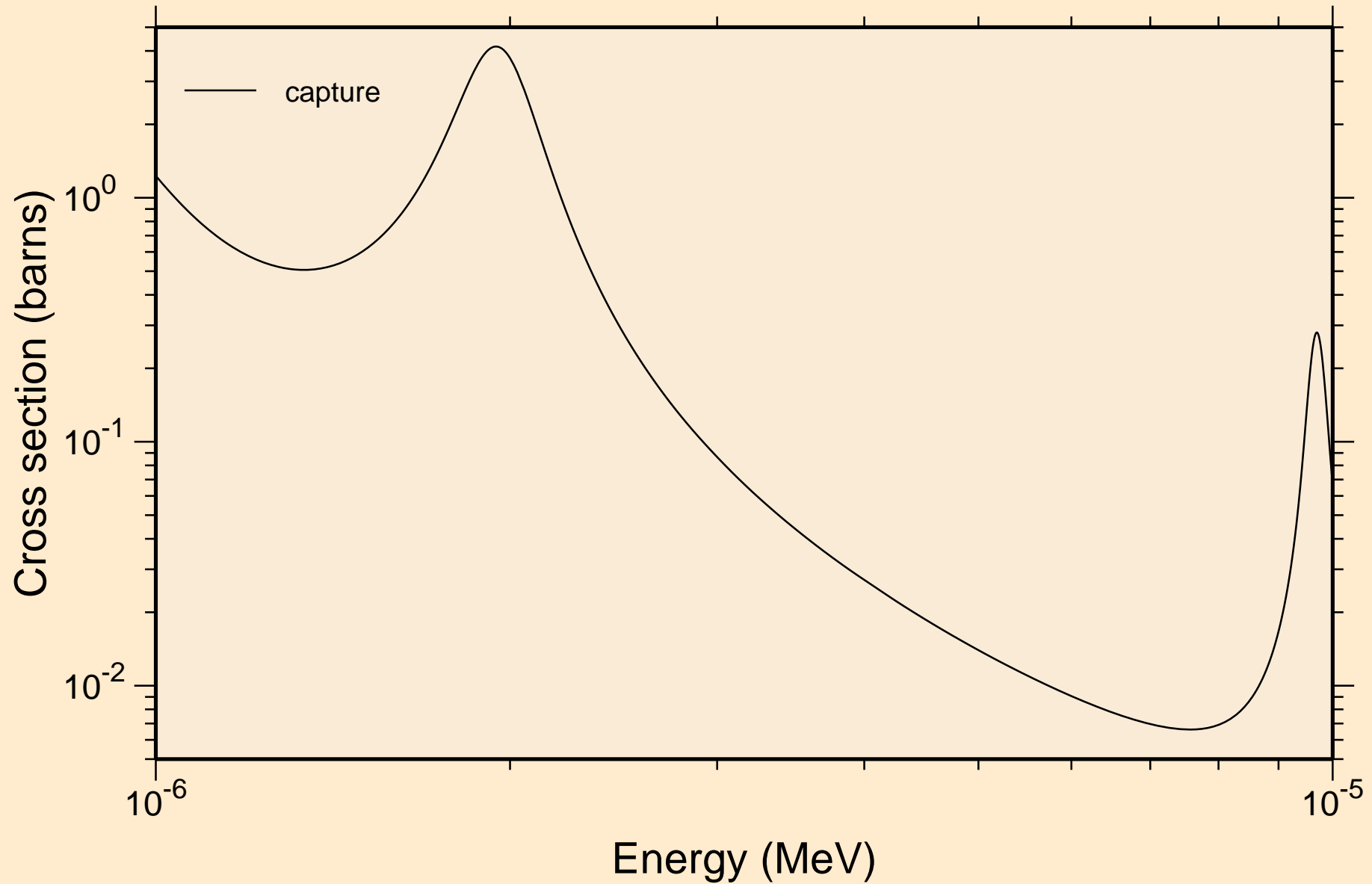
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



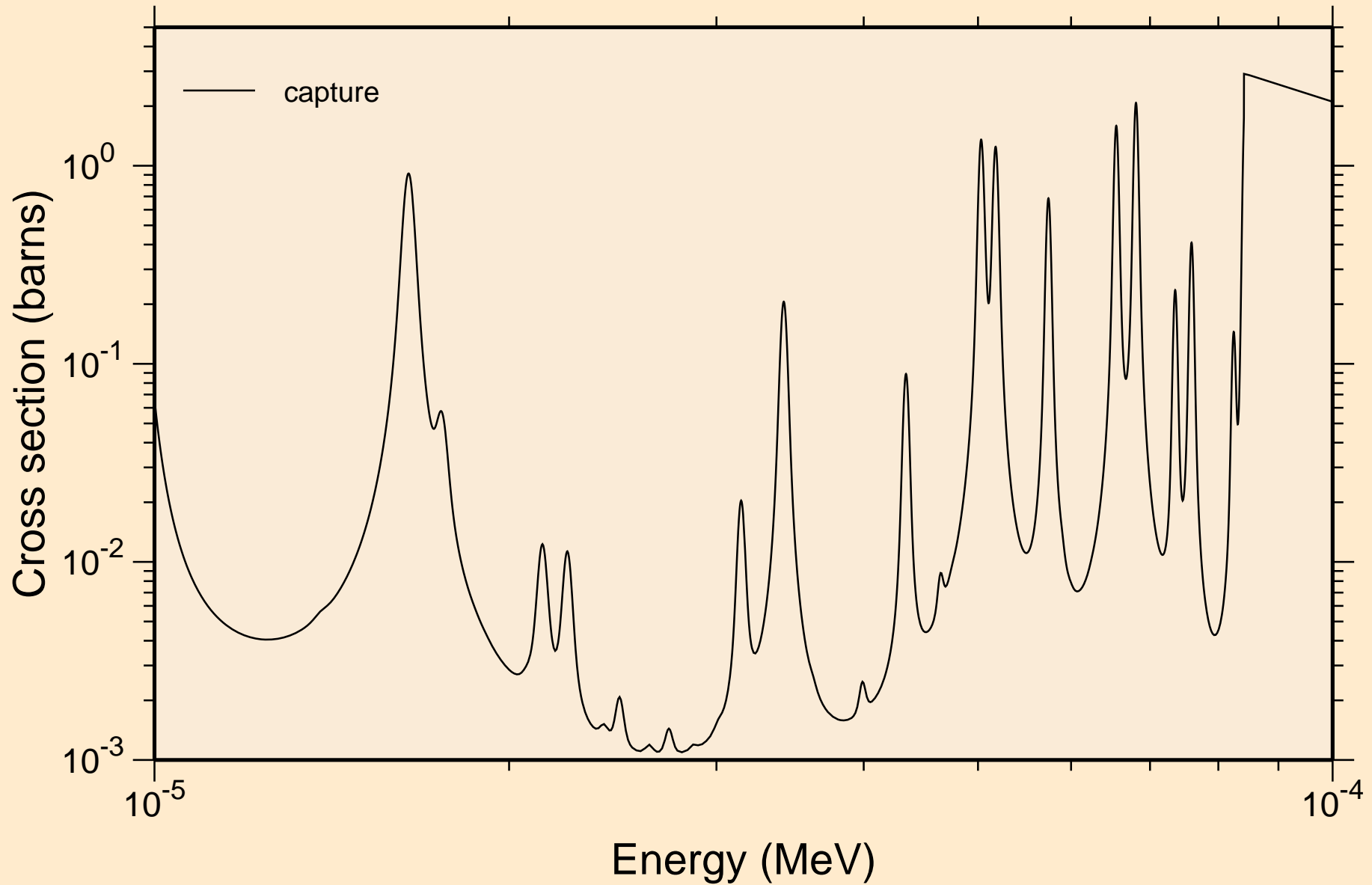
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

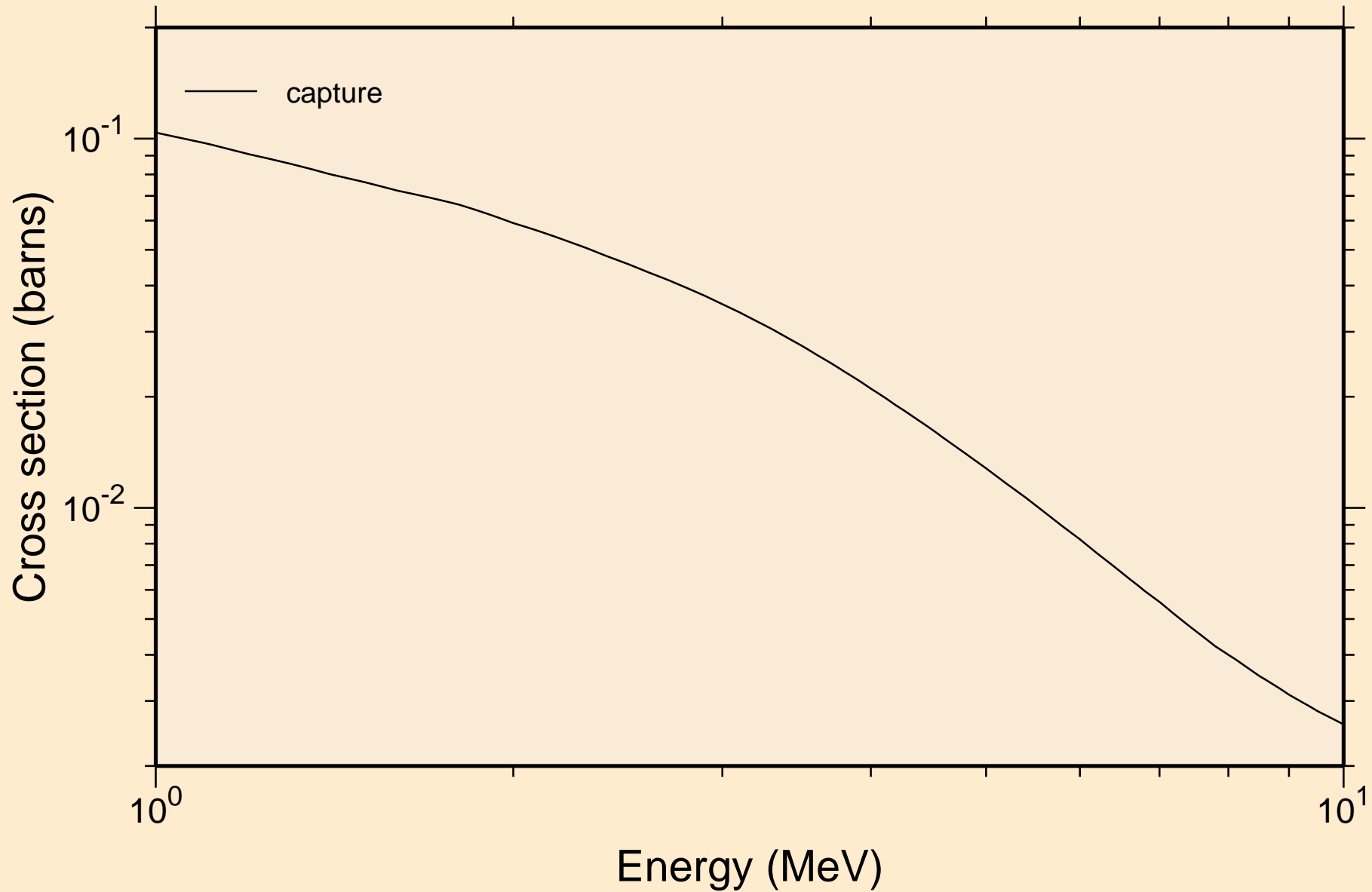


ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



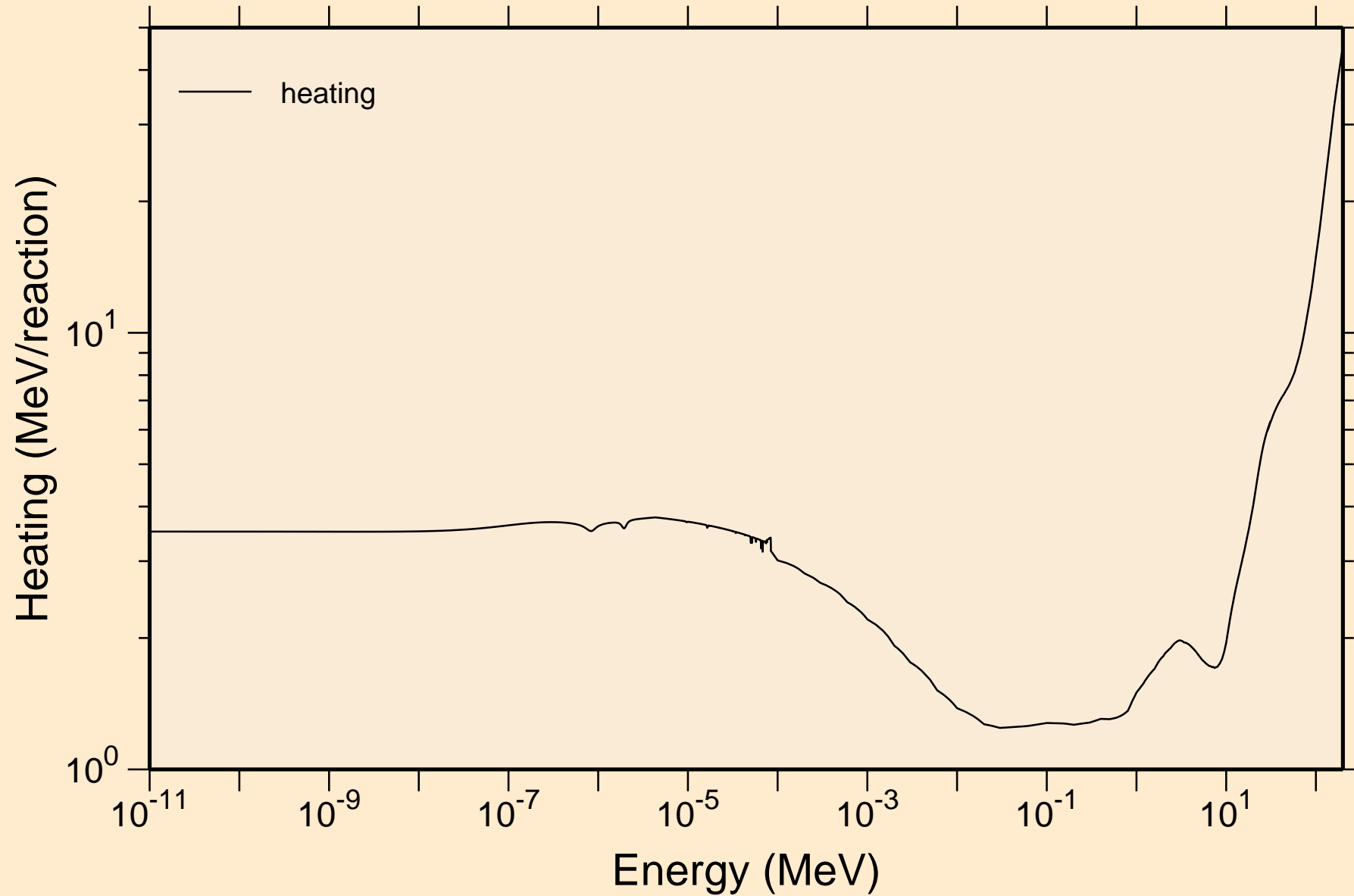


ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

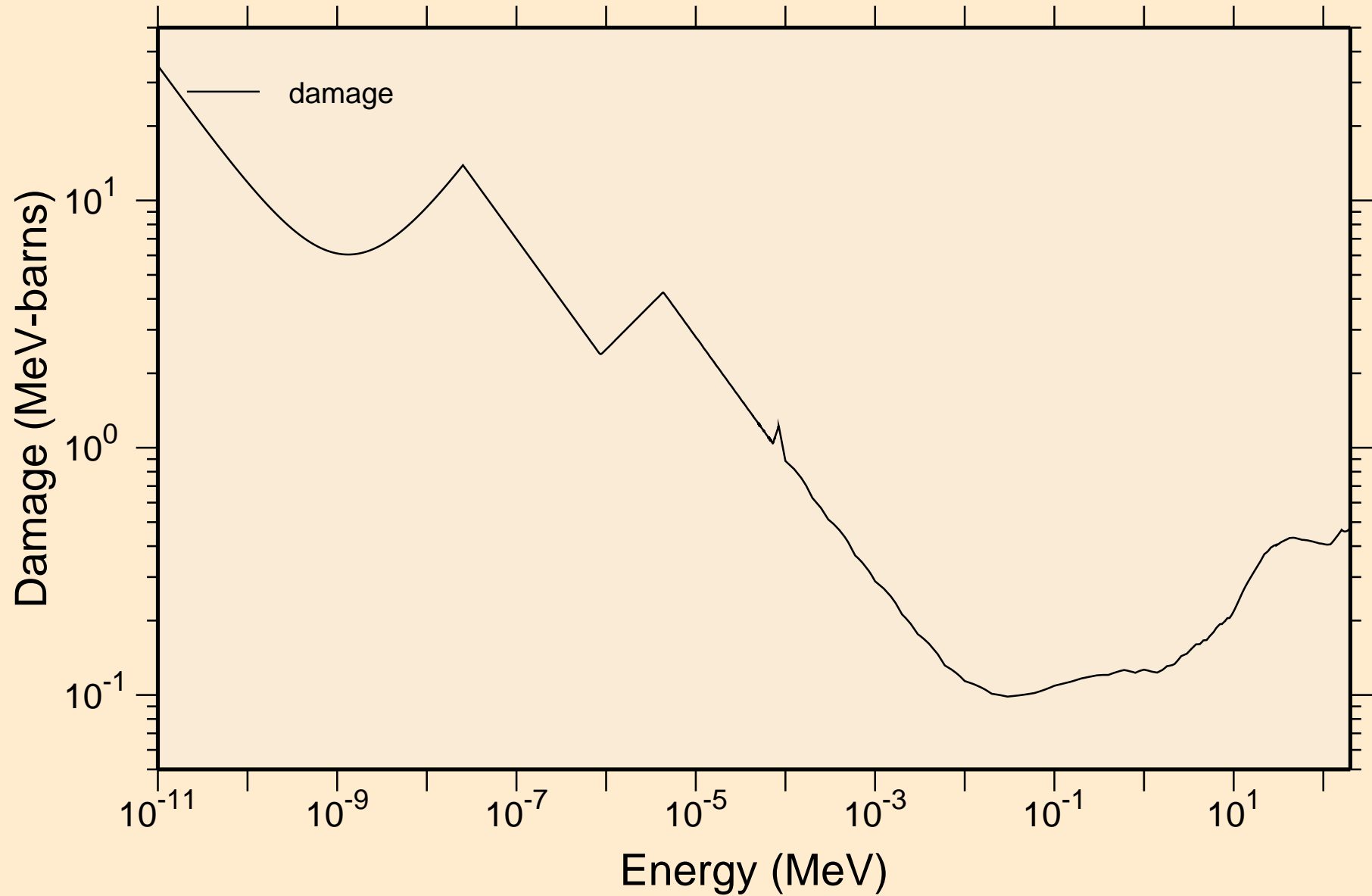


# ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Heating

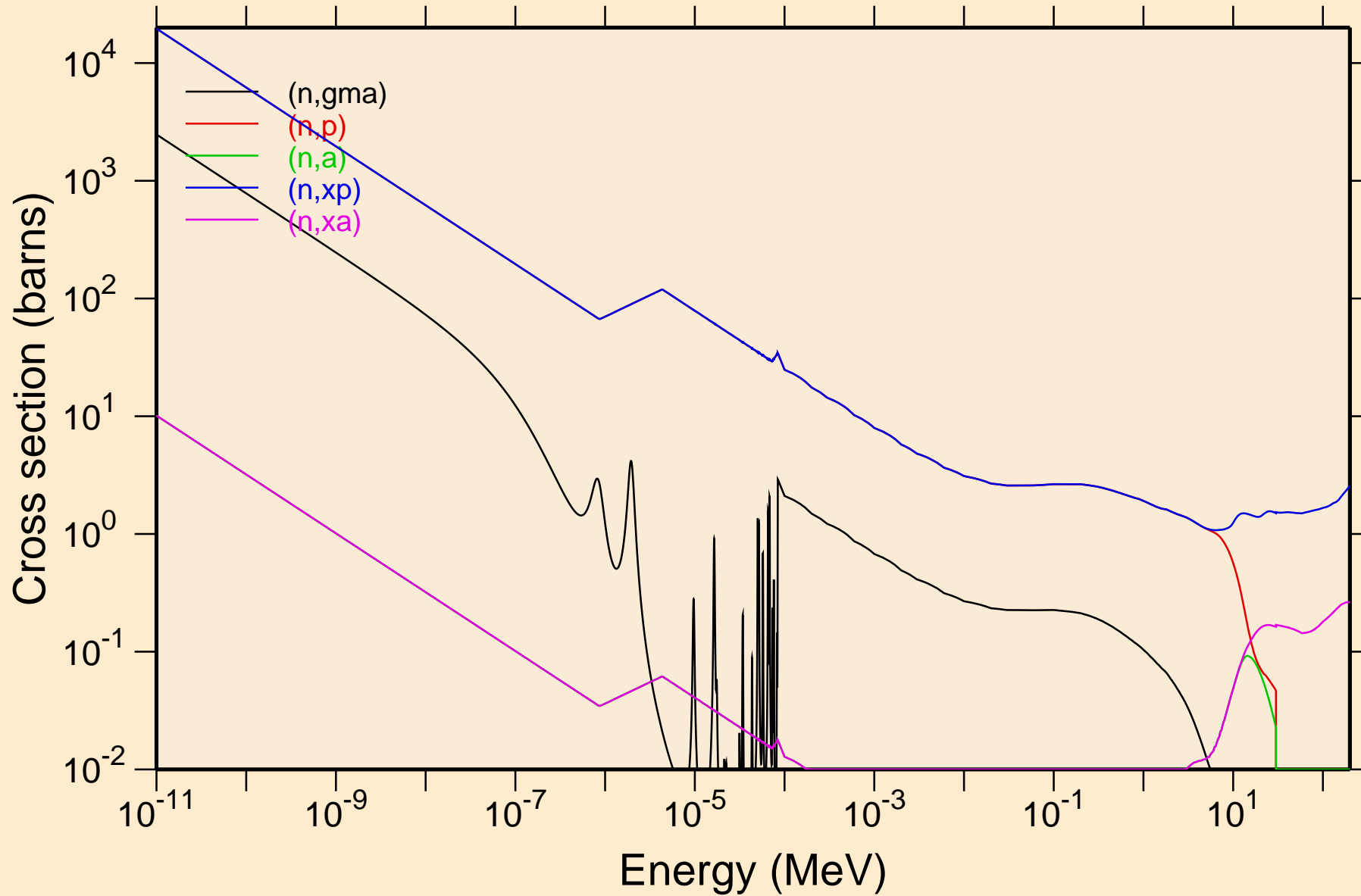


ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage



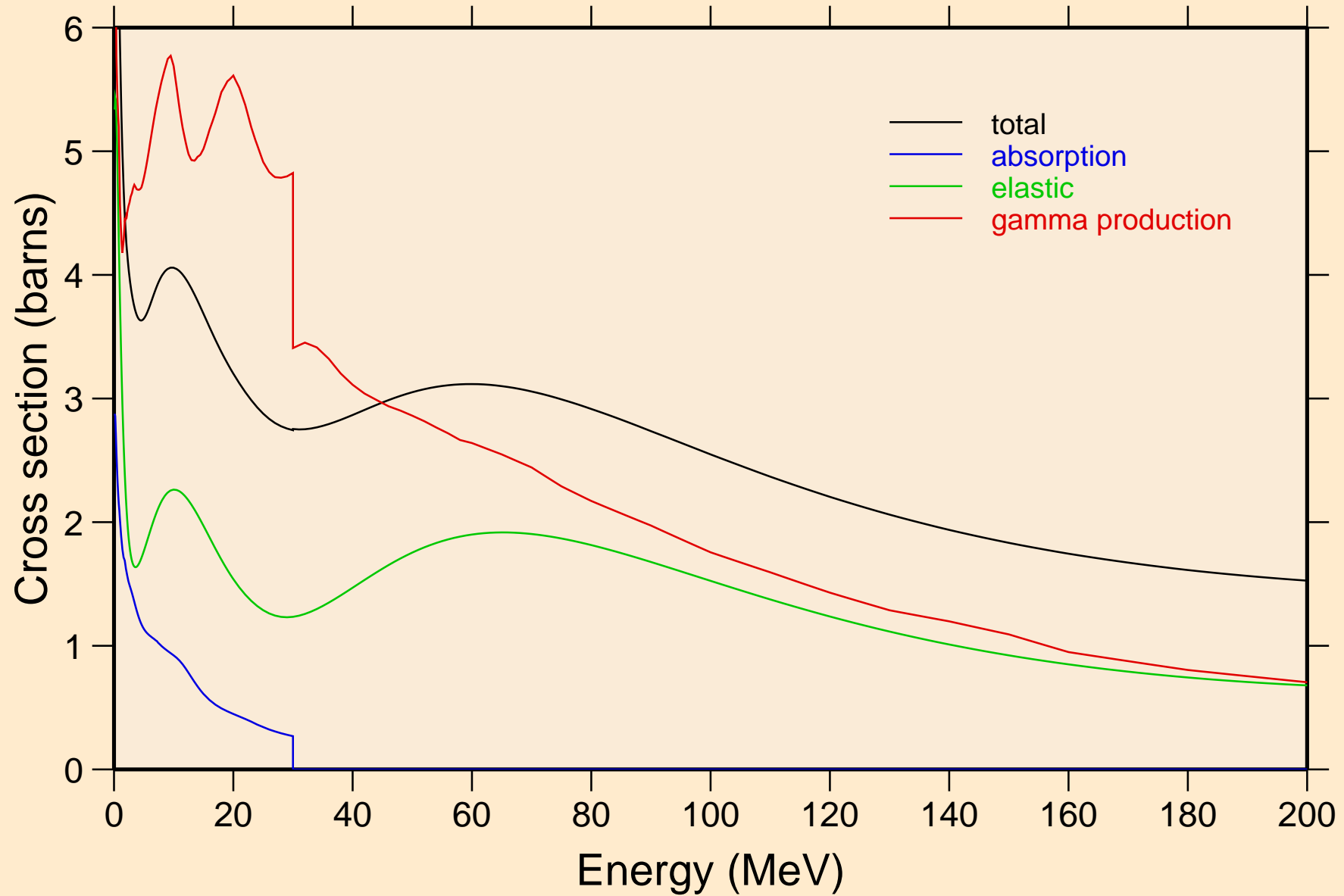
# ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Non-threshold reactions



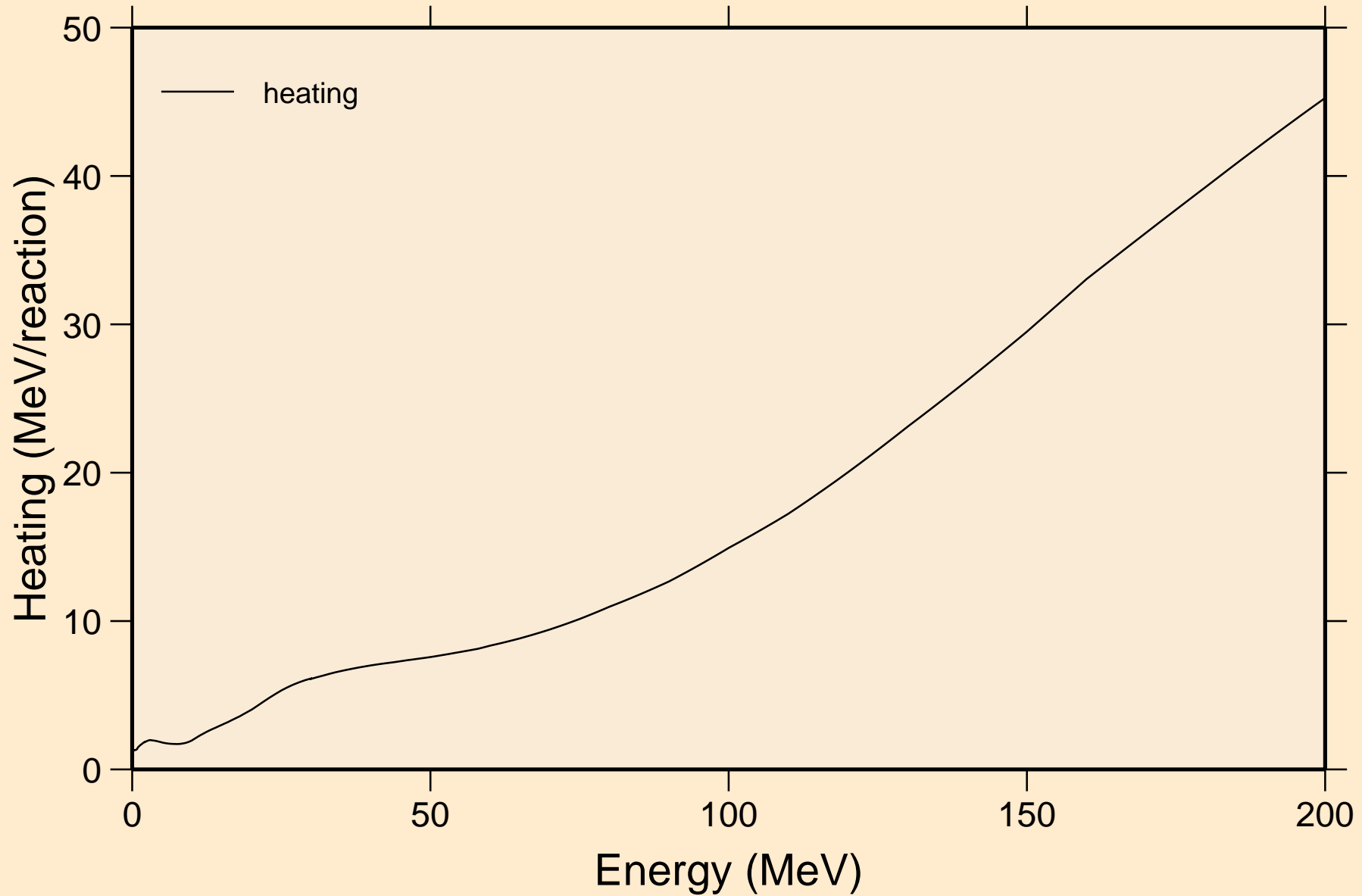
# ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Principal cross sections

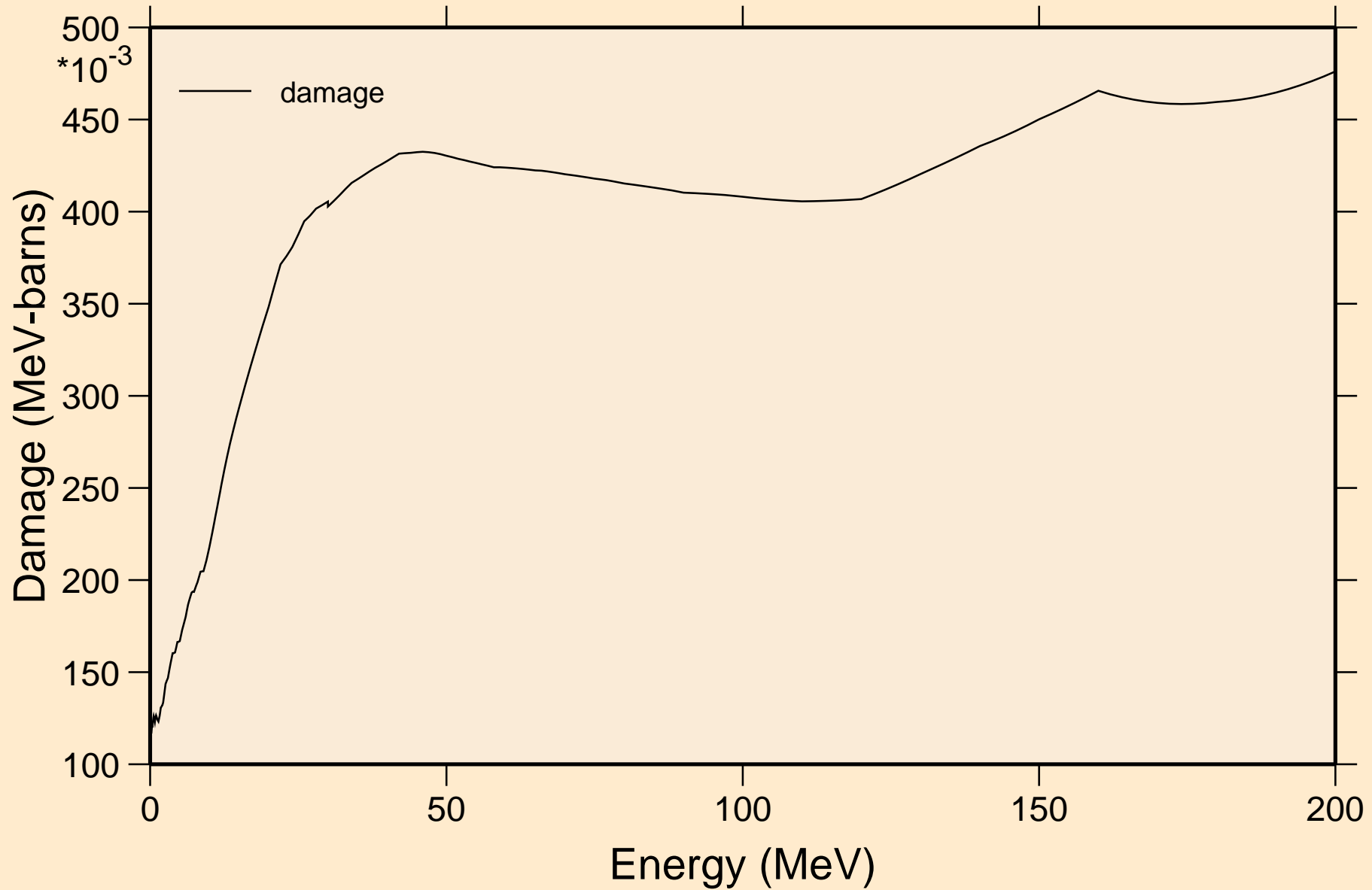


# ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

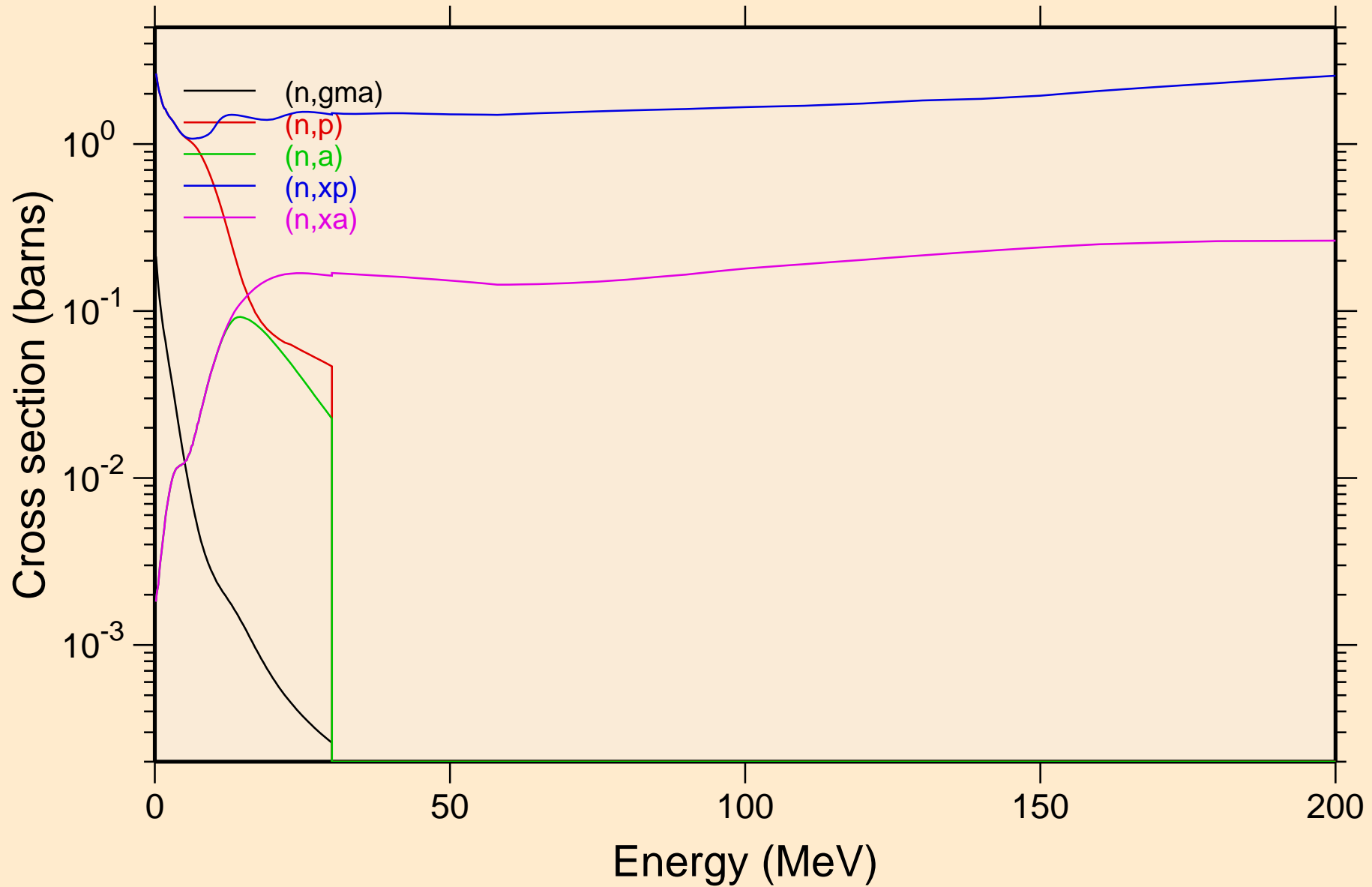
## Heating



ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

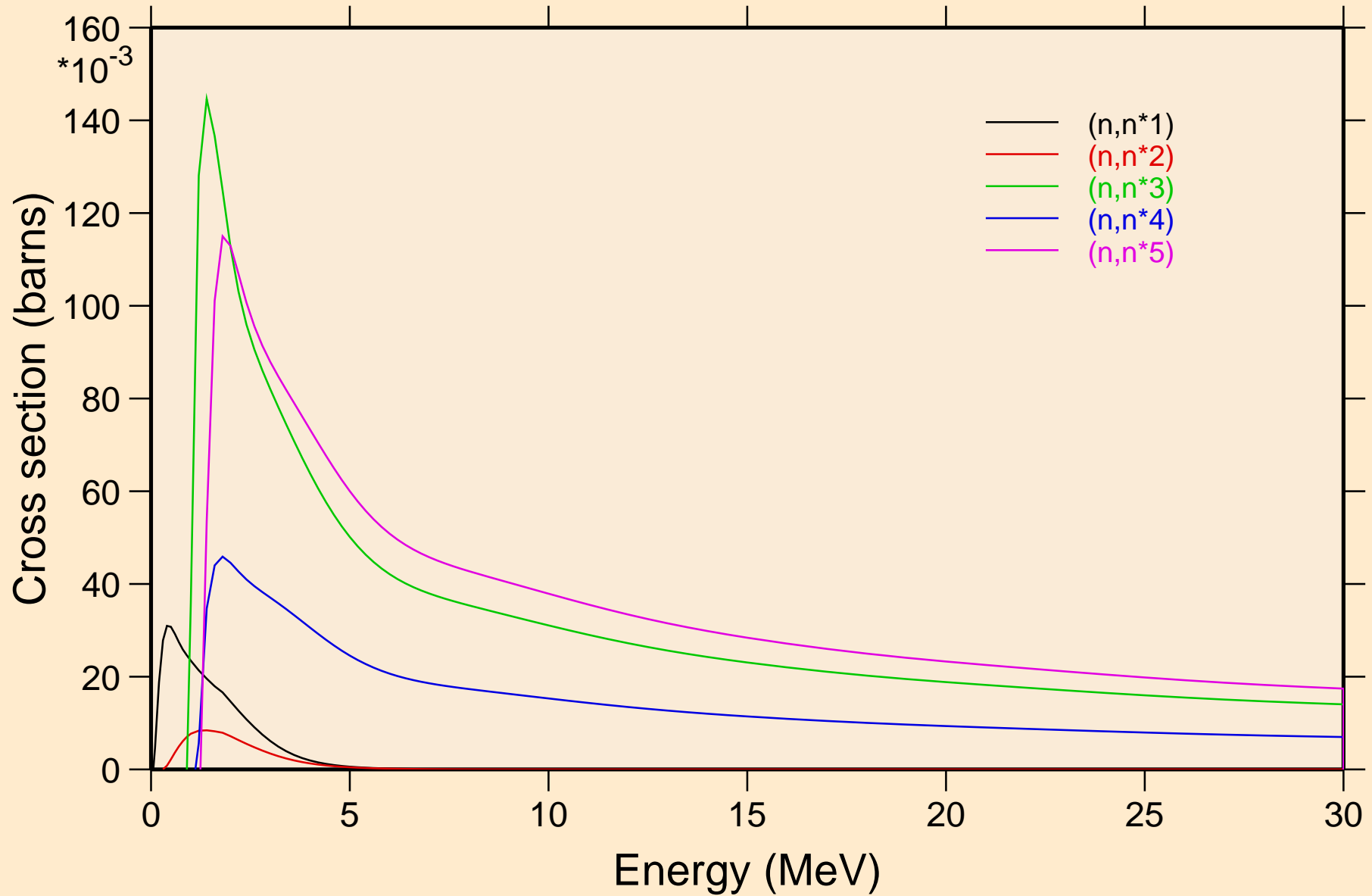


ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

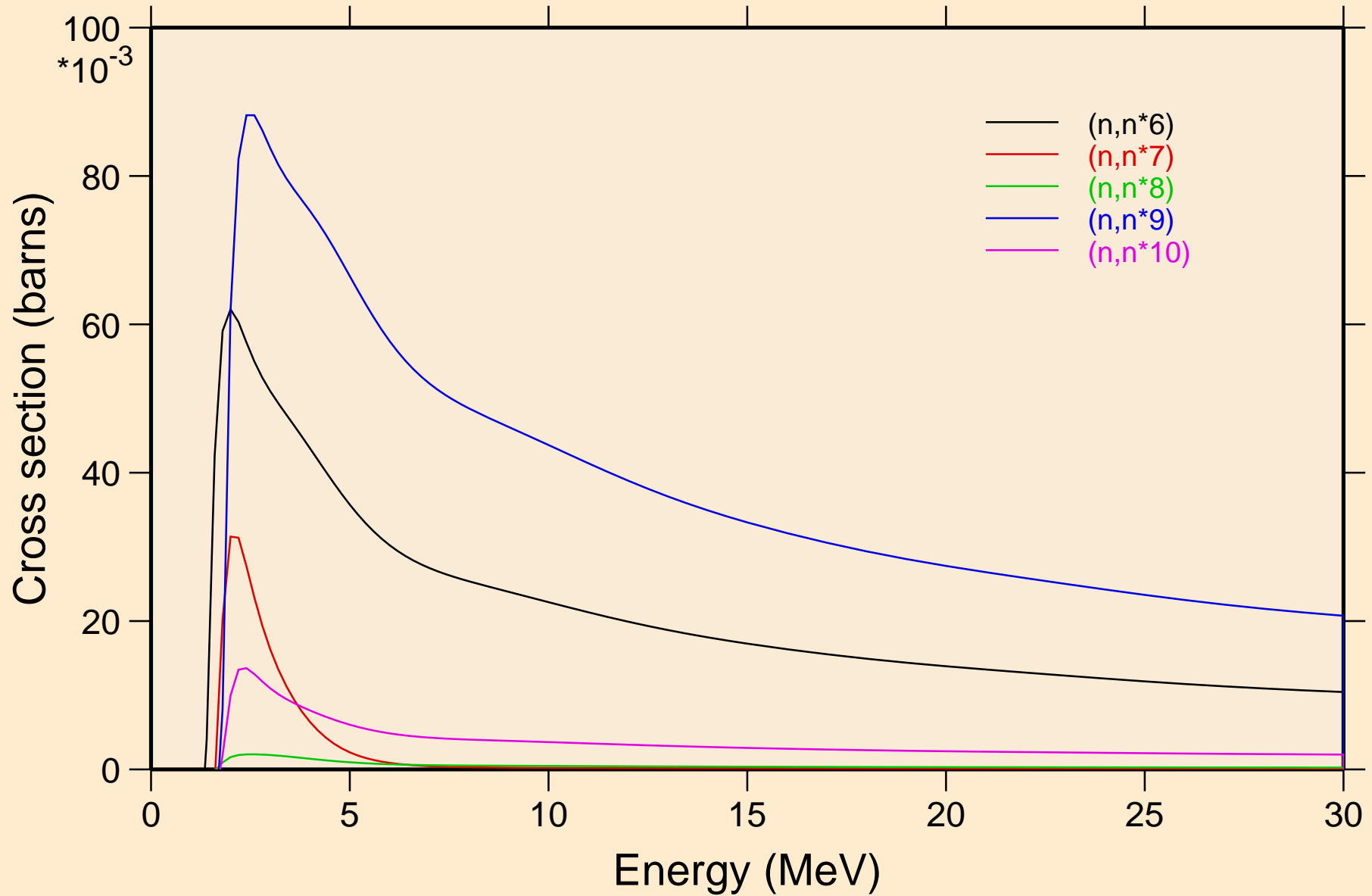




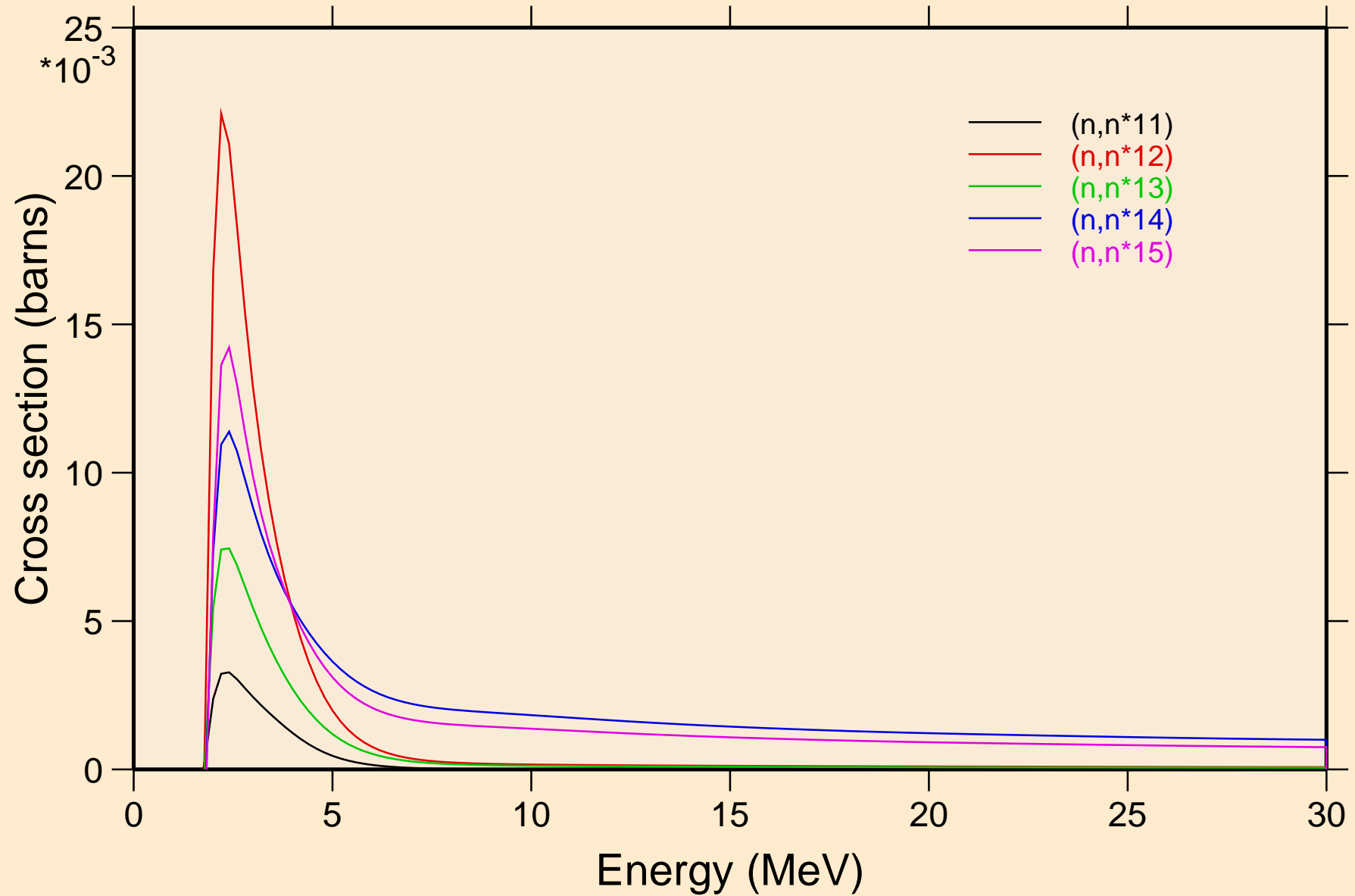
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



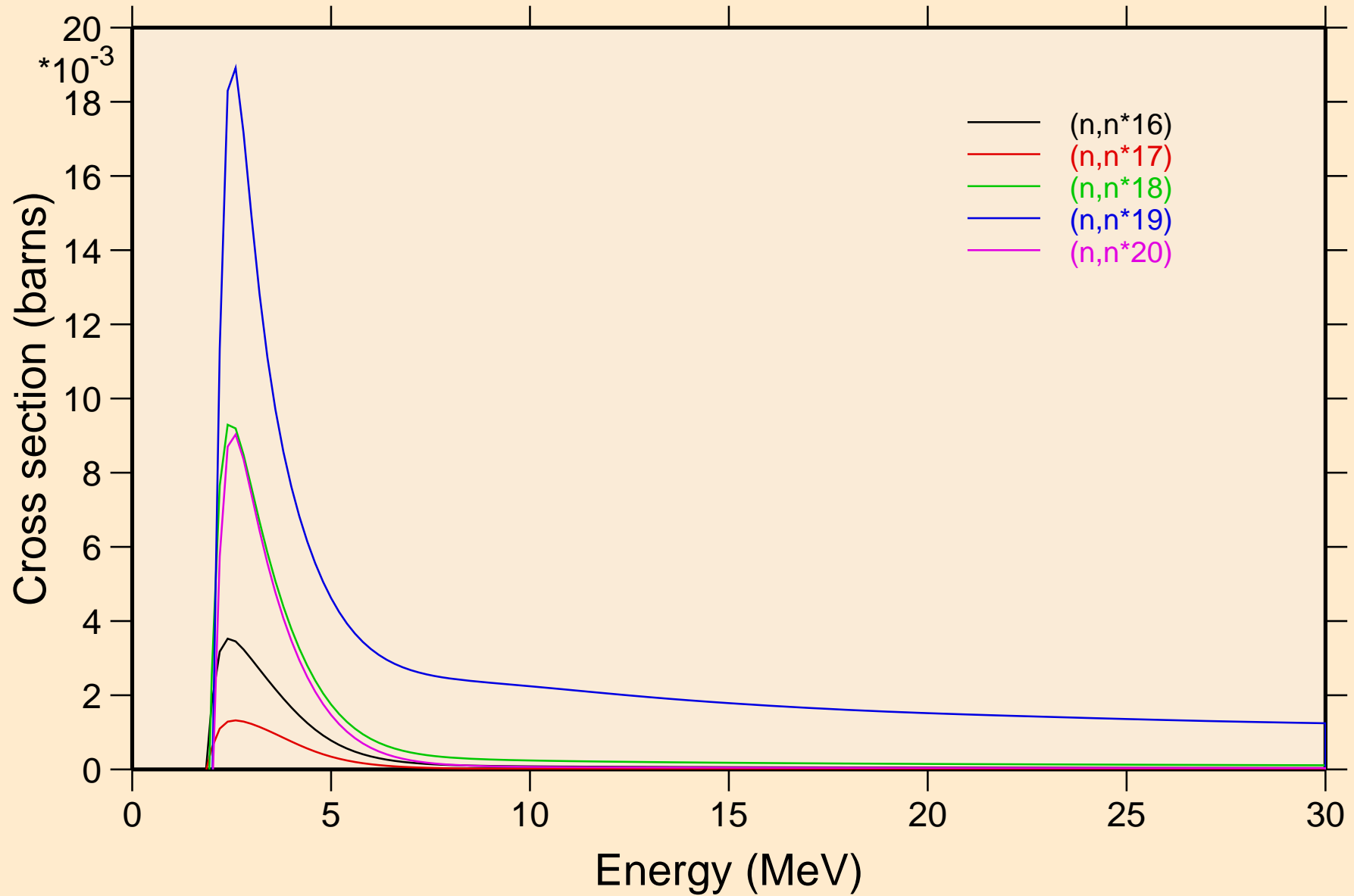
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



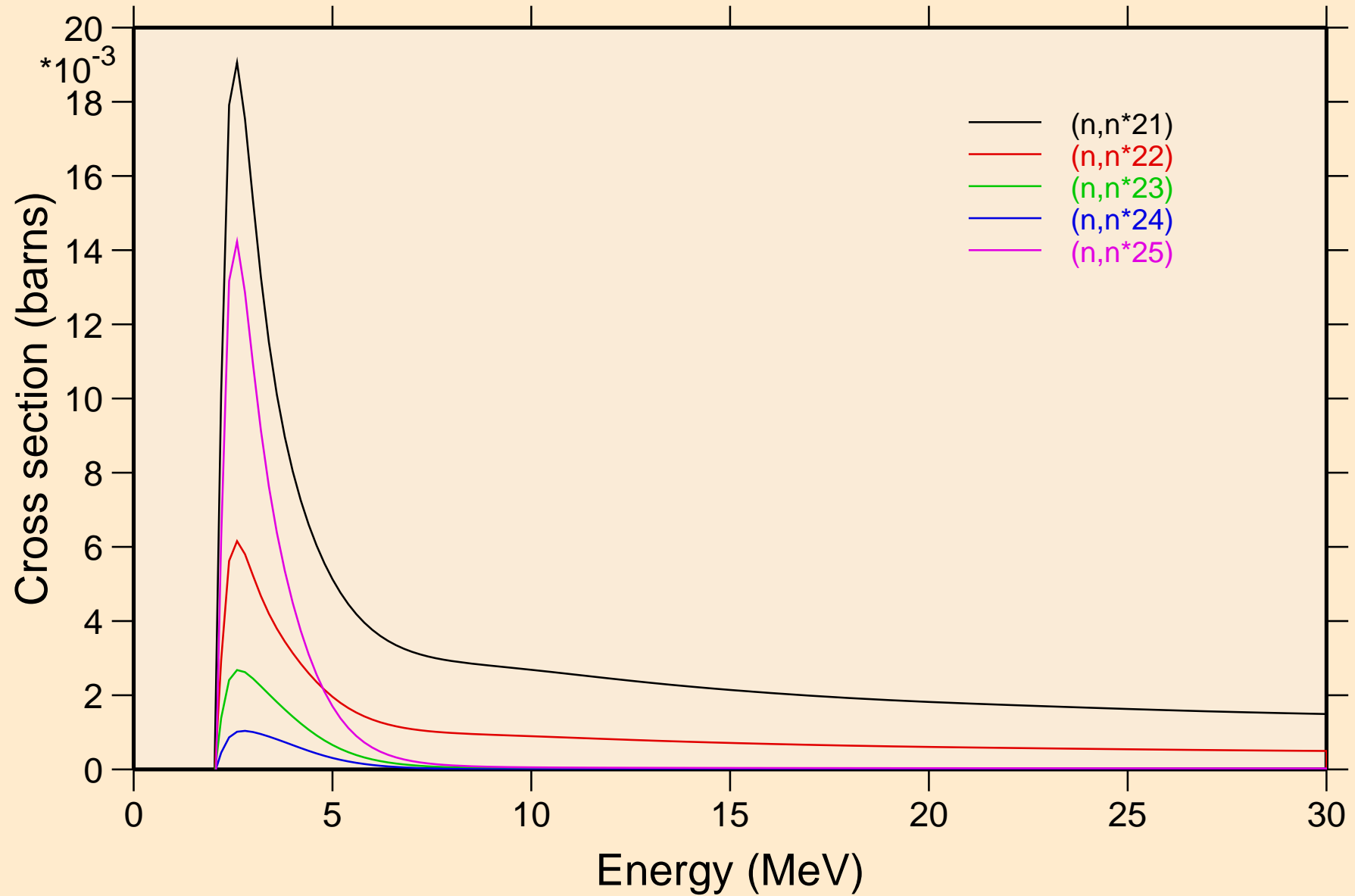
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



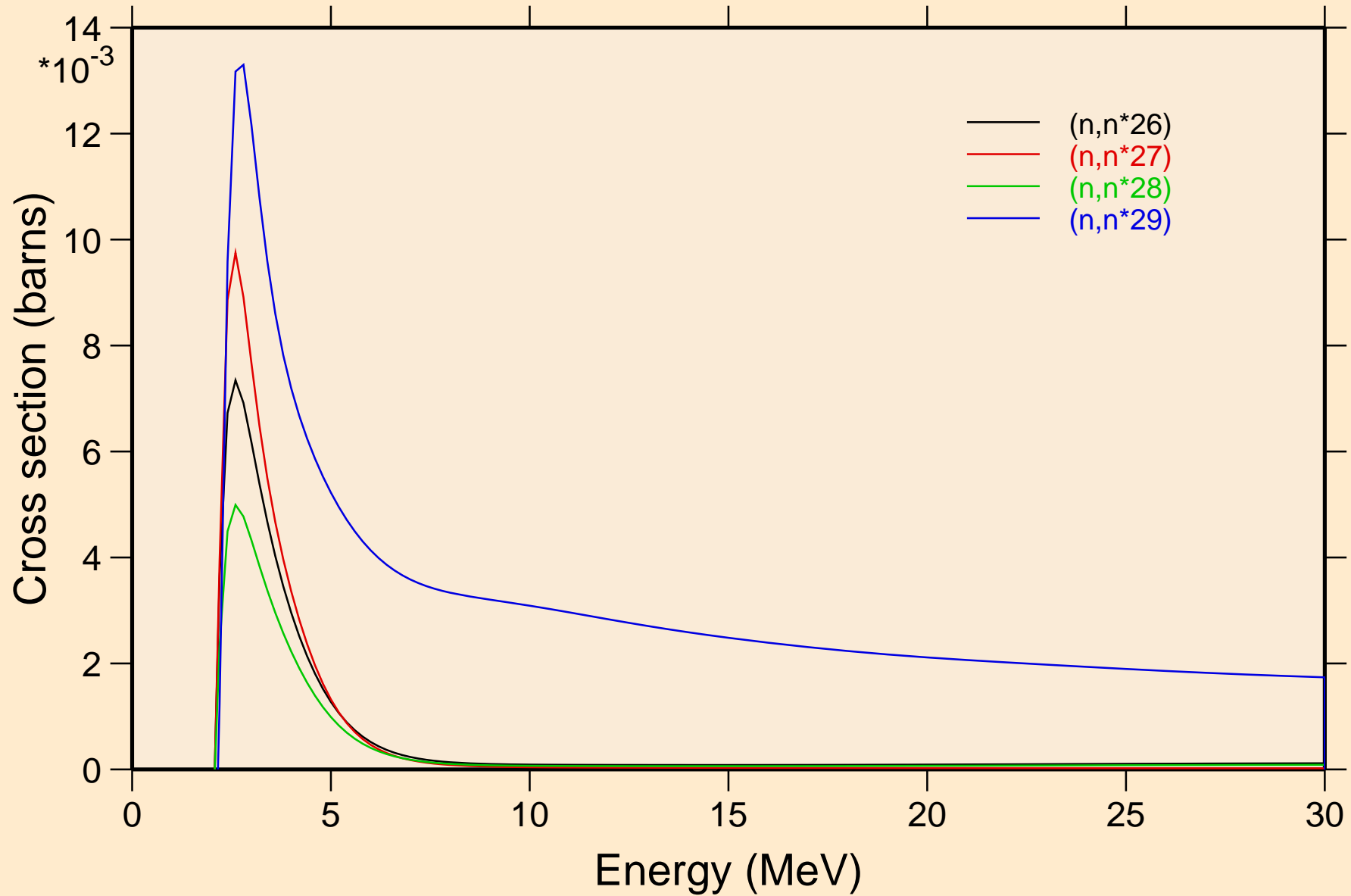
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



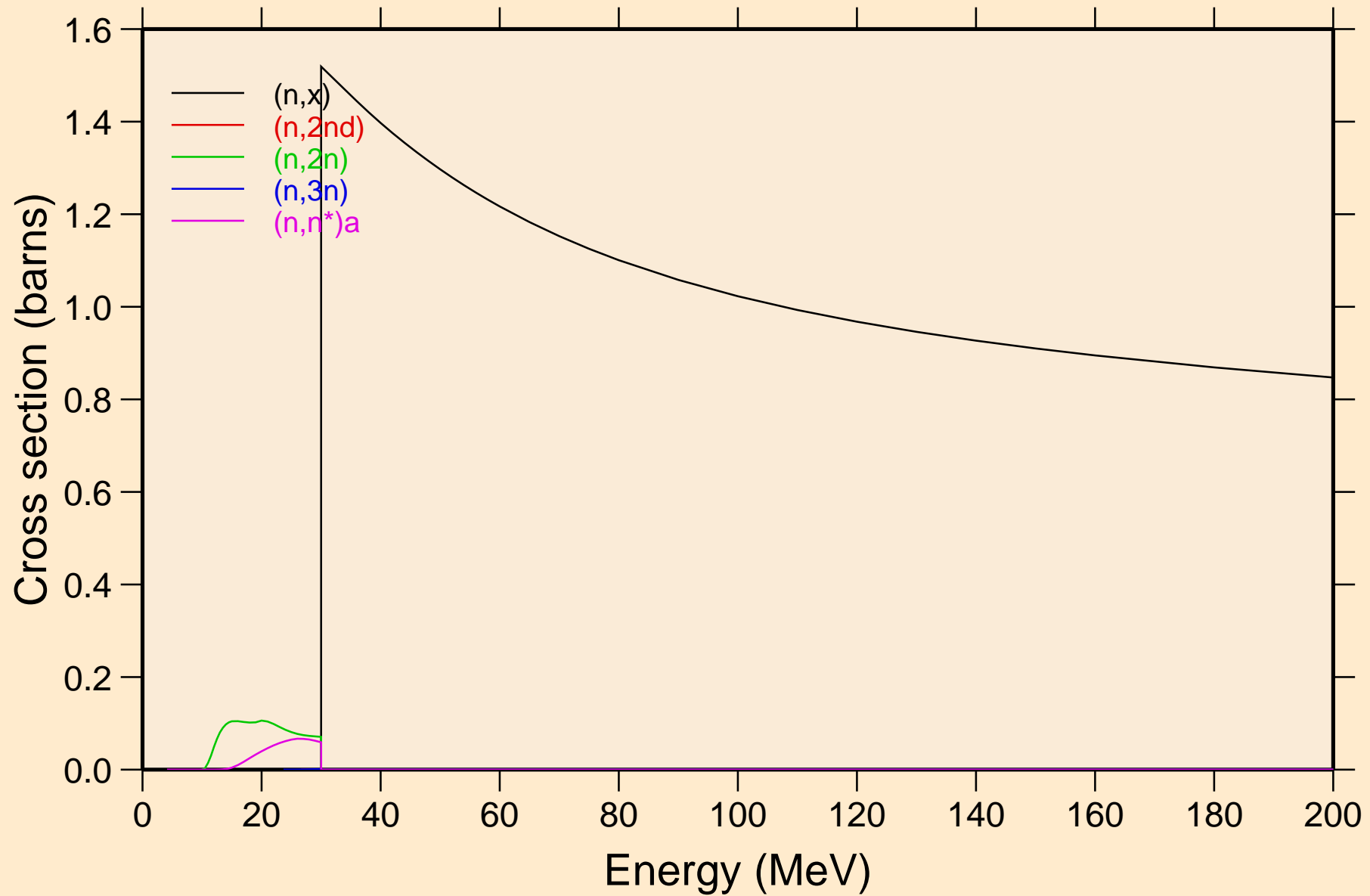
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



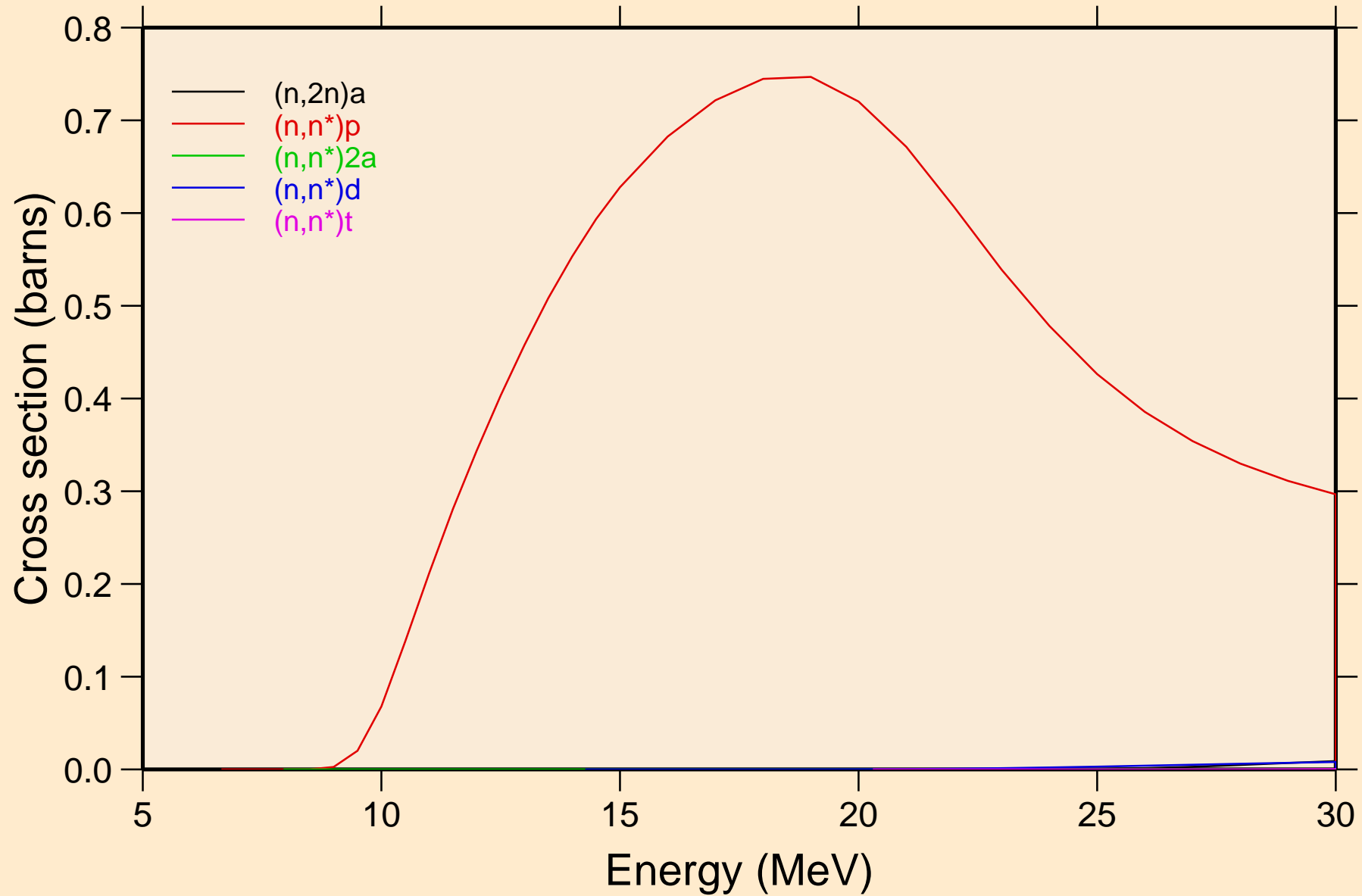
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

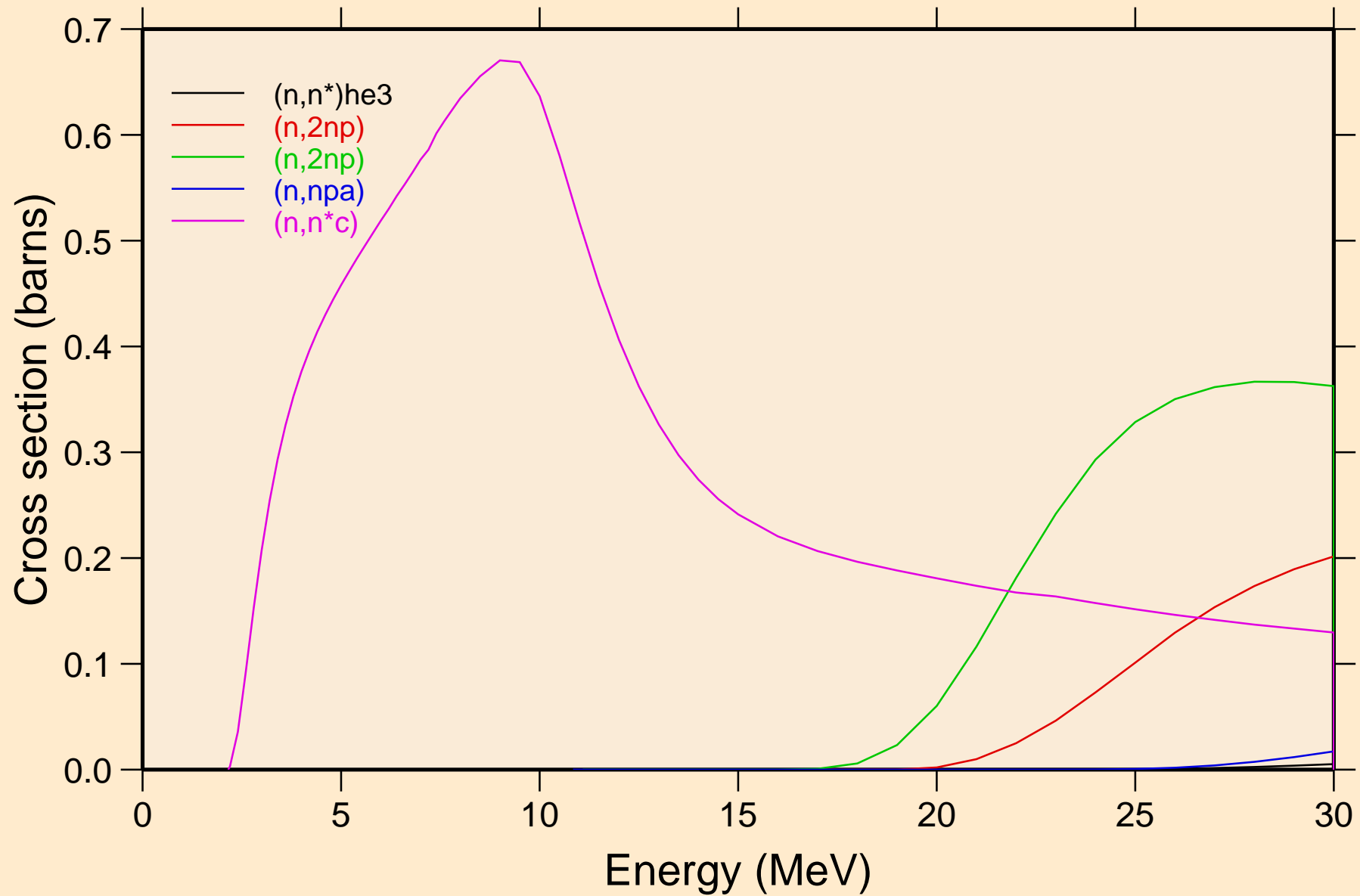


ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

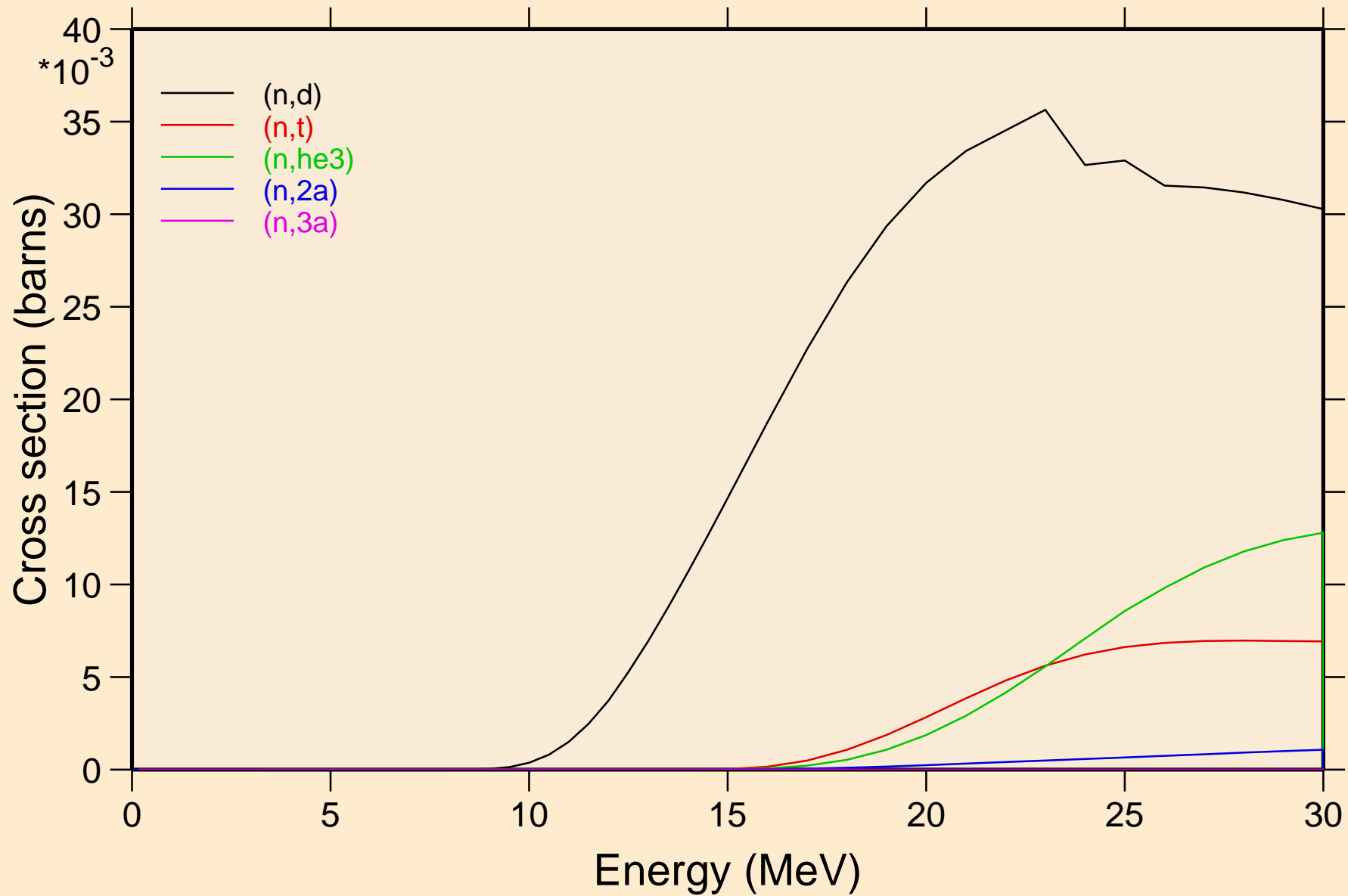




ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

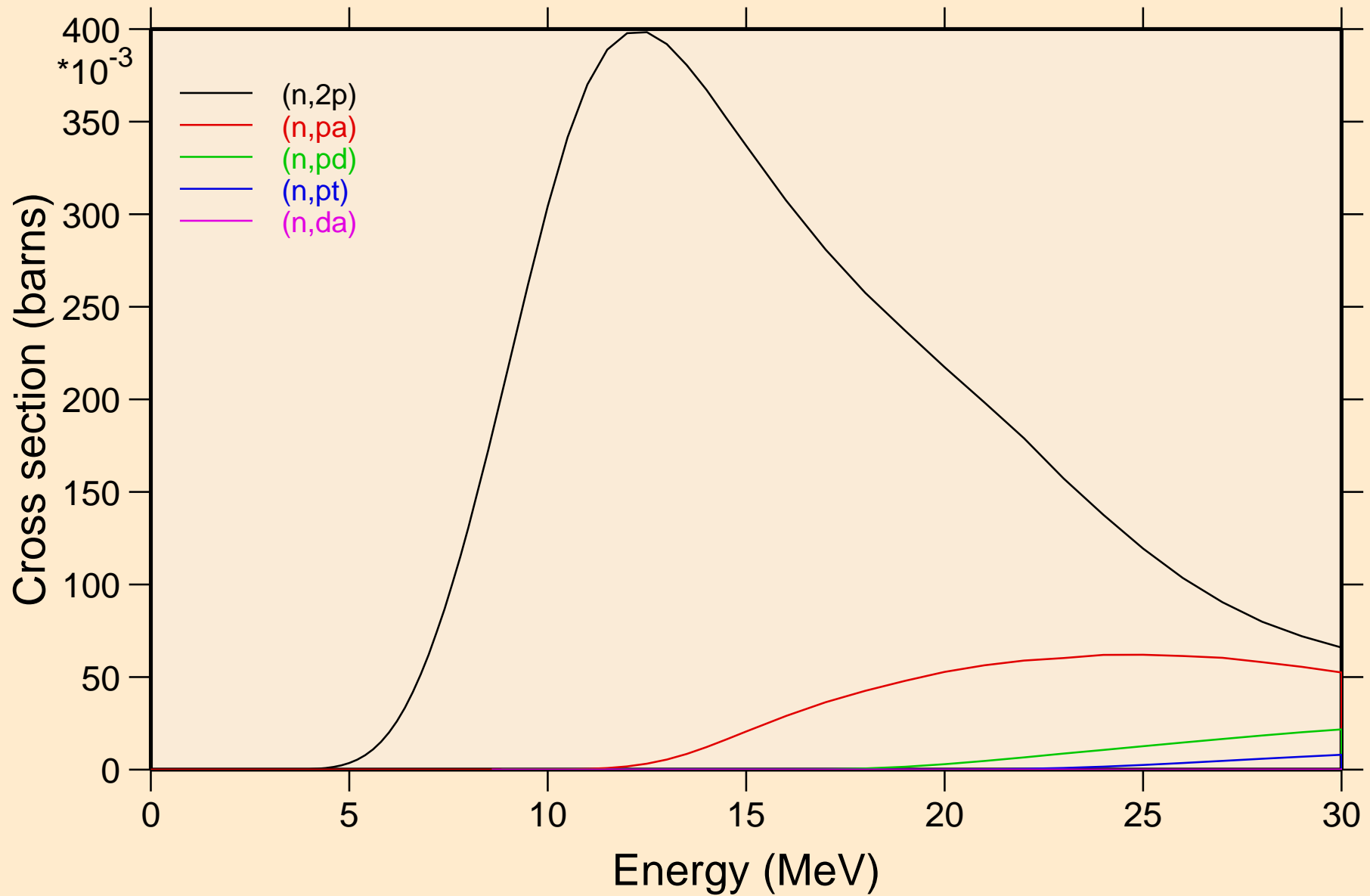


ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

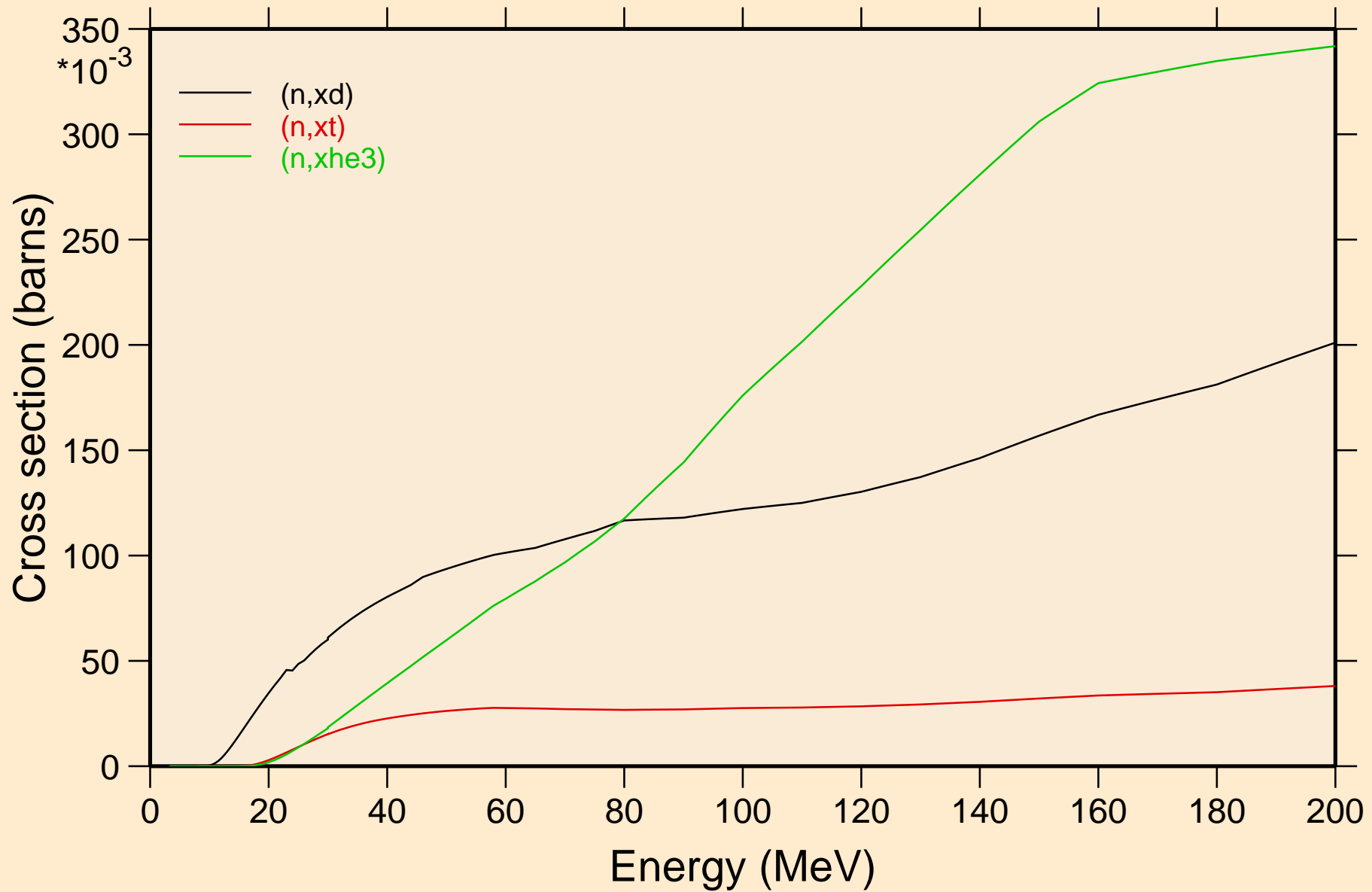


# ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

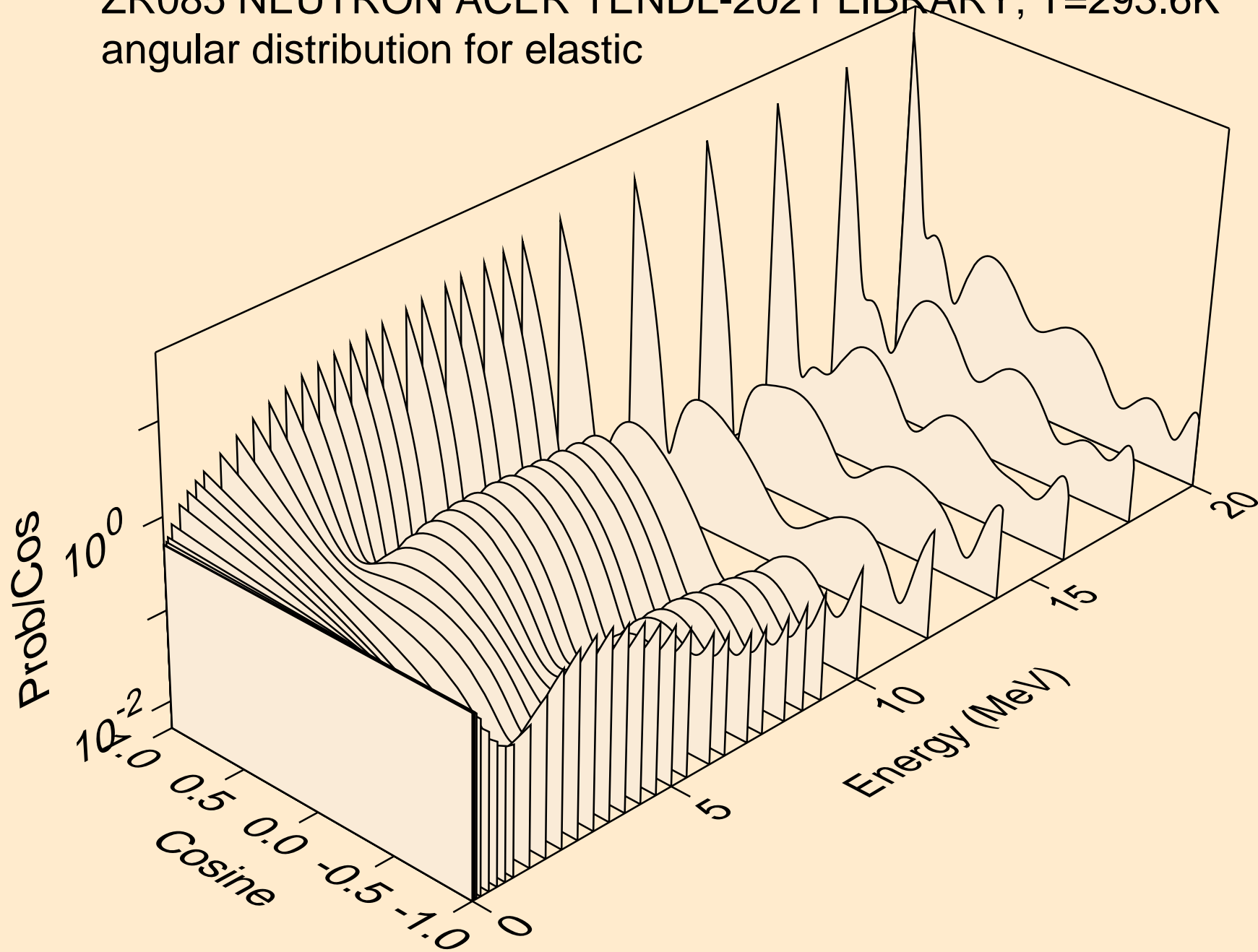
## Threshold reactions



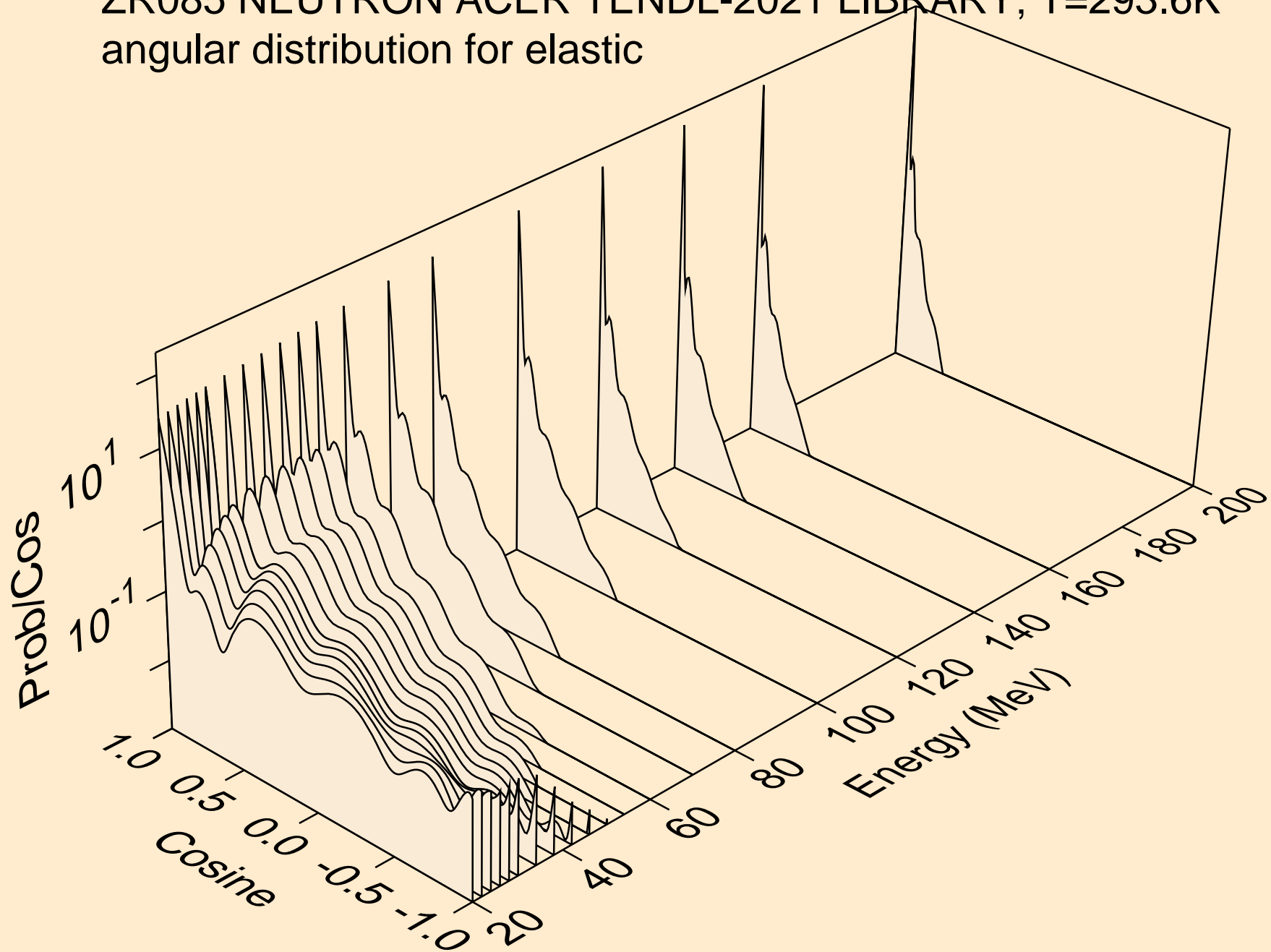
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



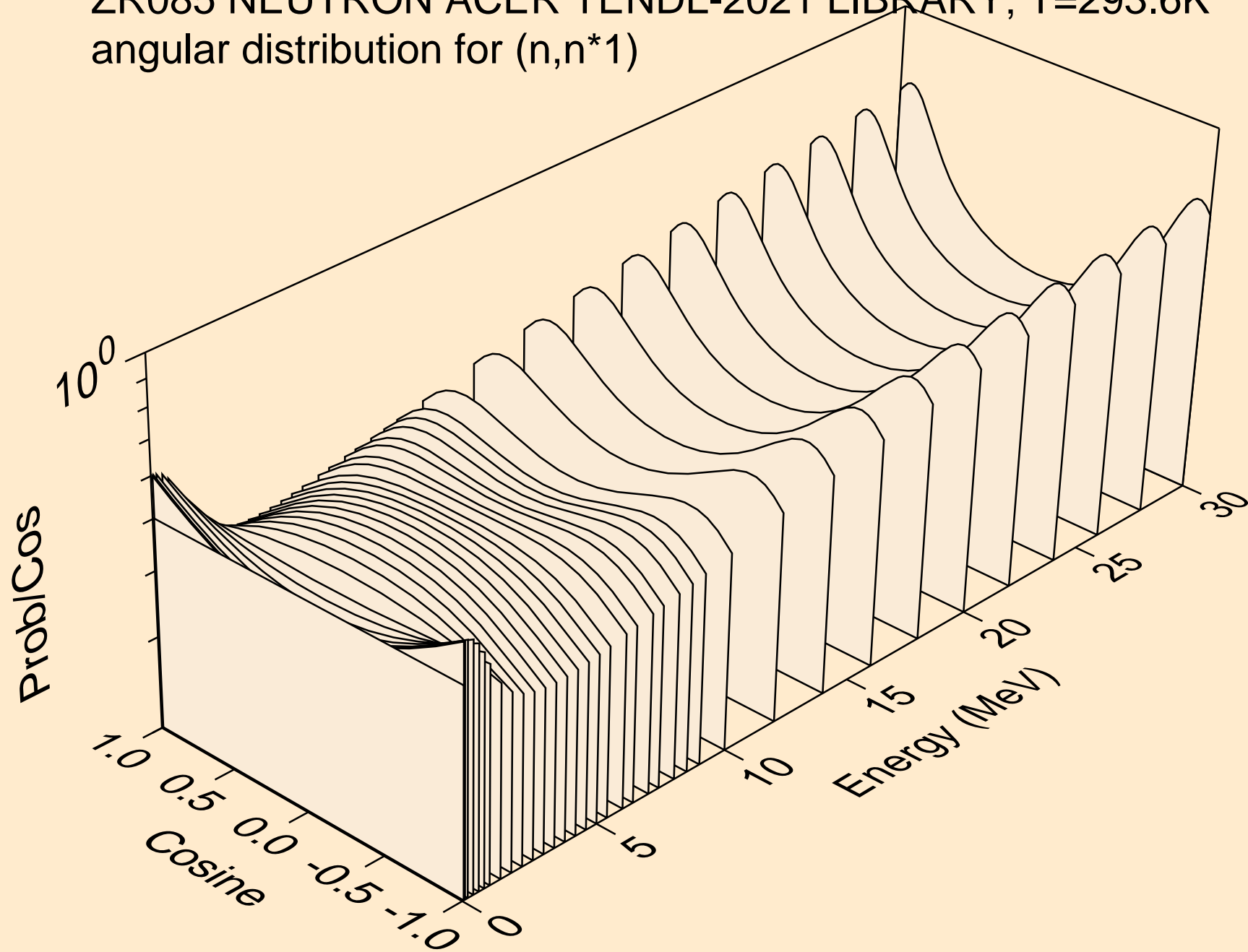
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



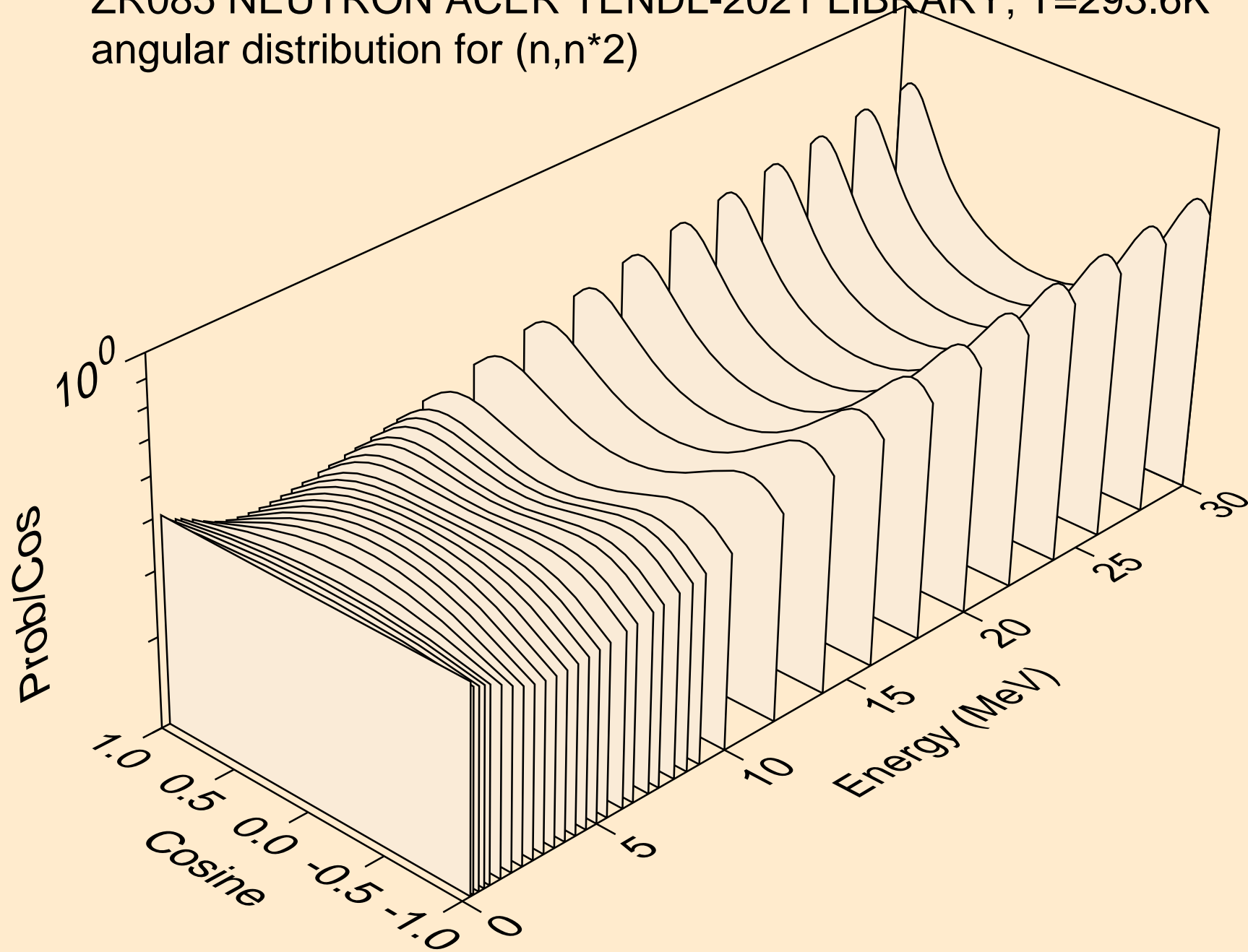
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)

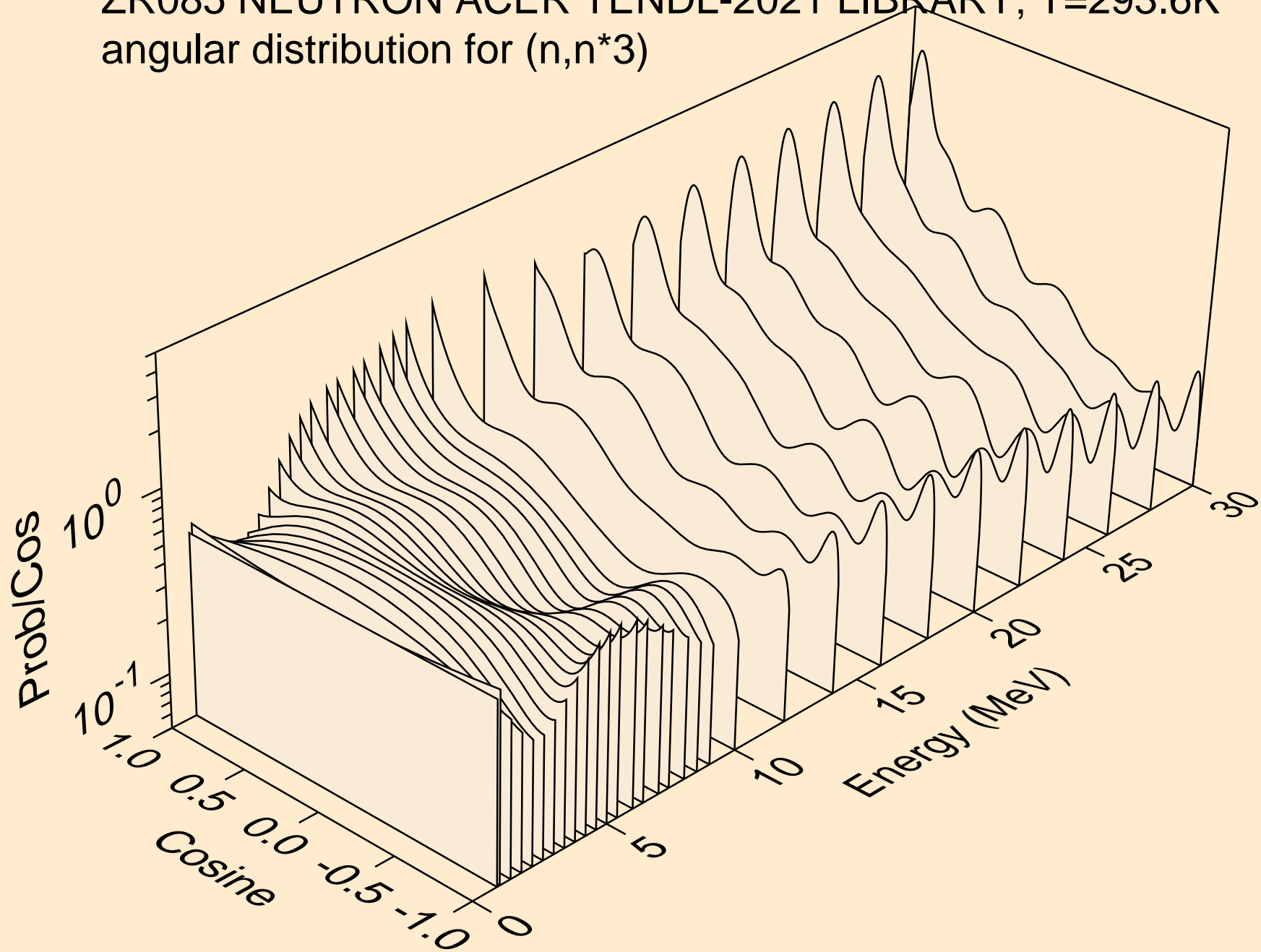


ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)

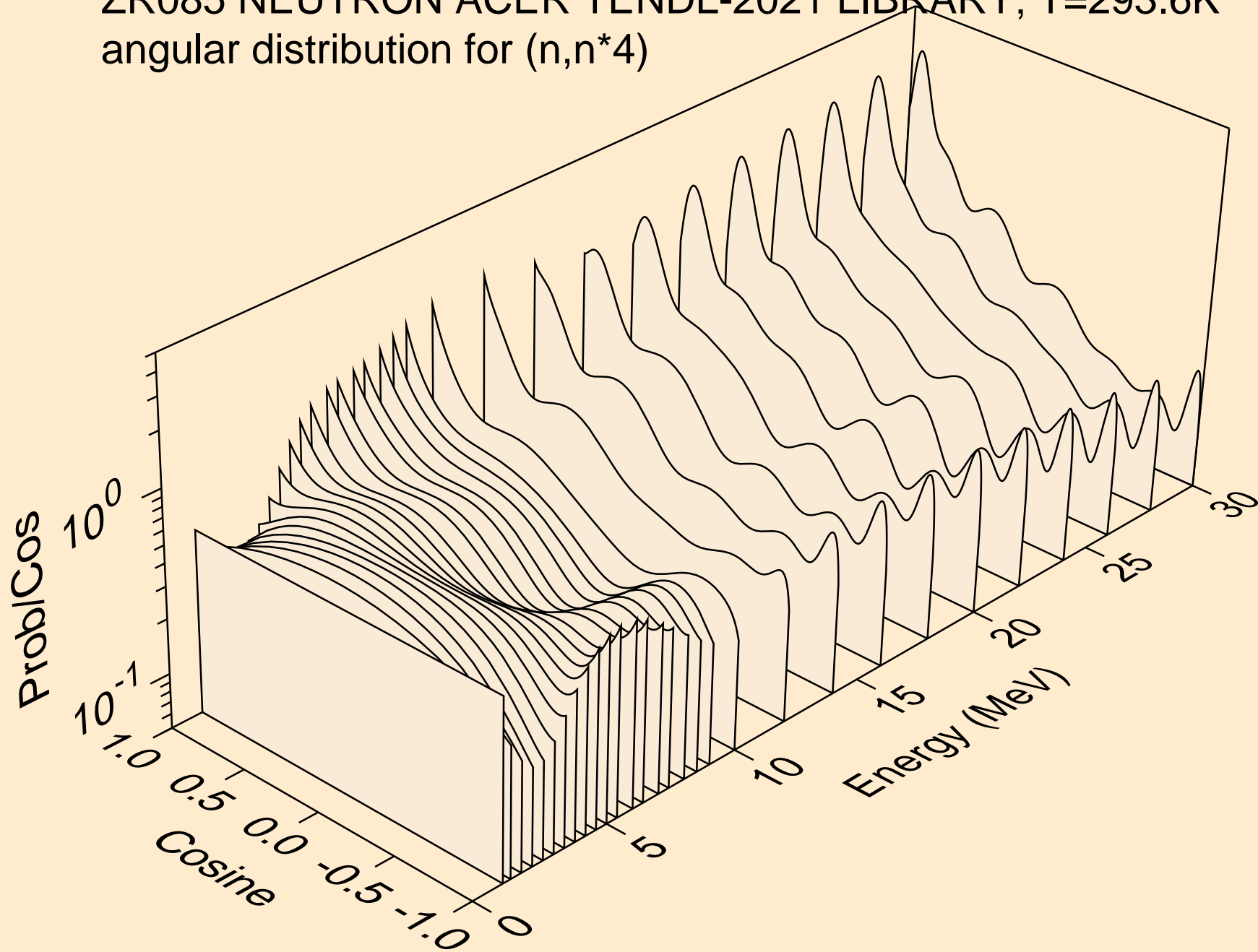




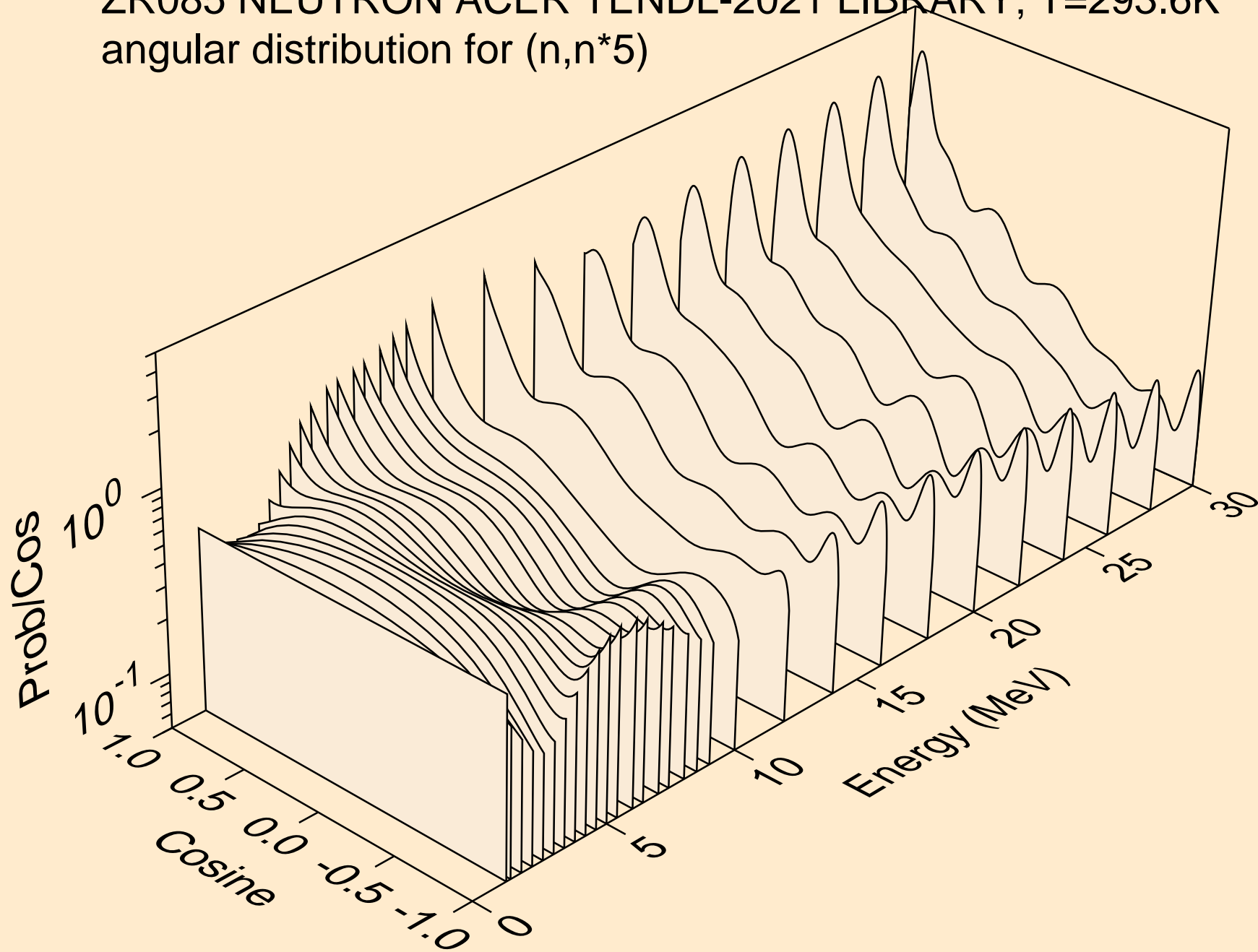
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angular distribution for (n,n\*3)



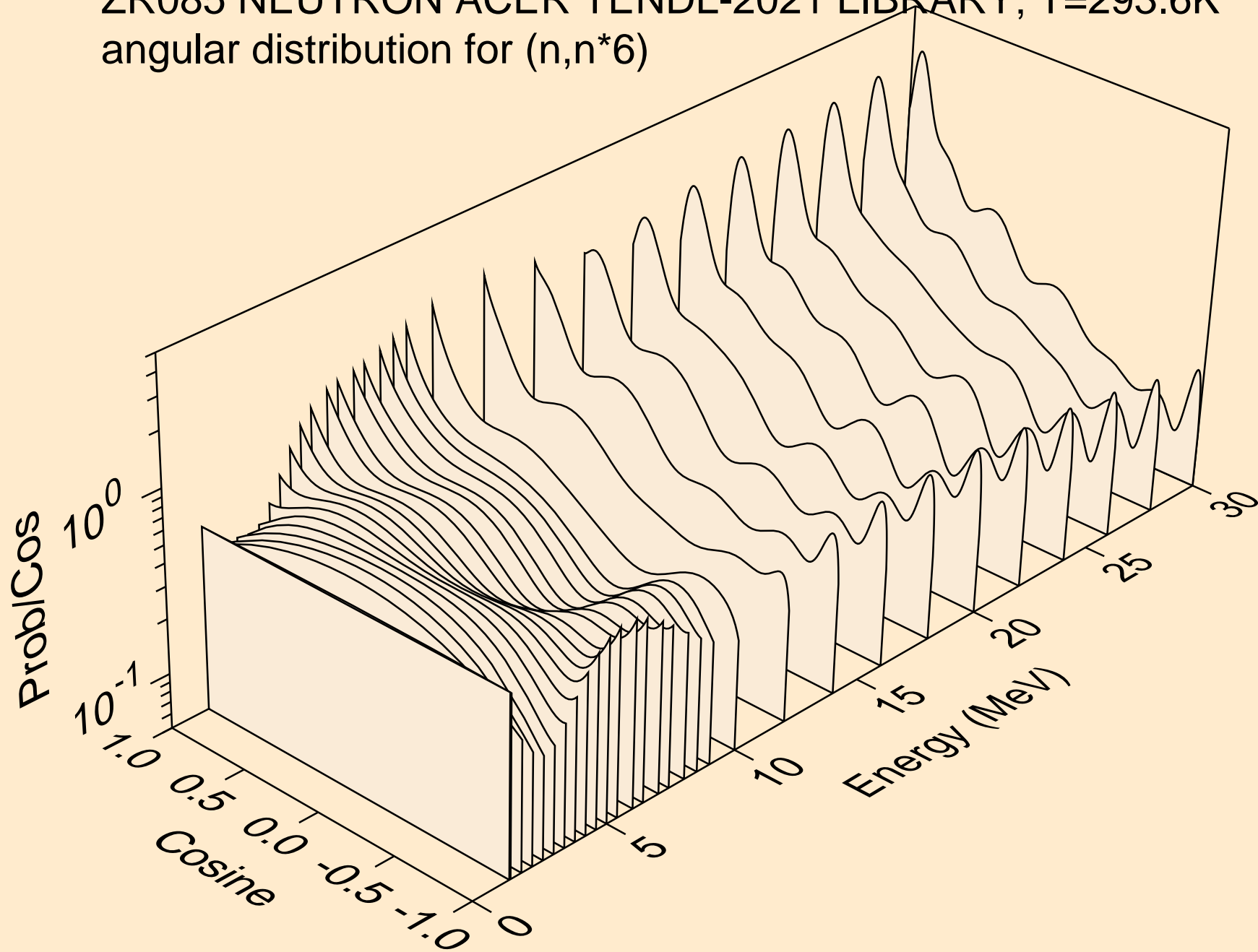
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angular distribution for (n,n\*4)



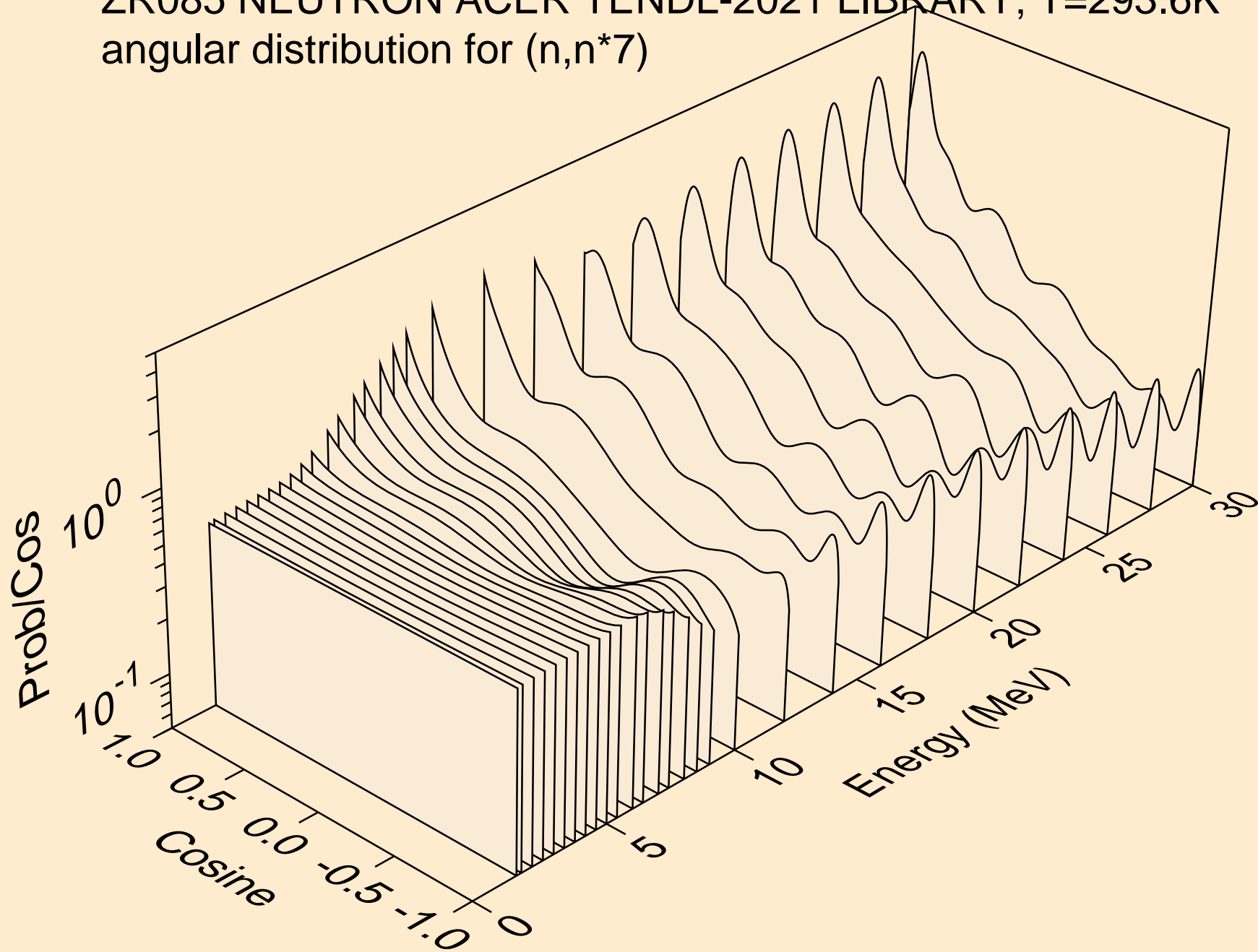
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angular distribution for (n,n\*5)



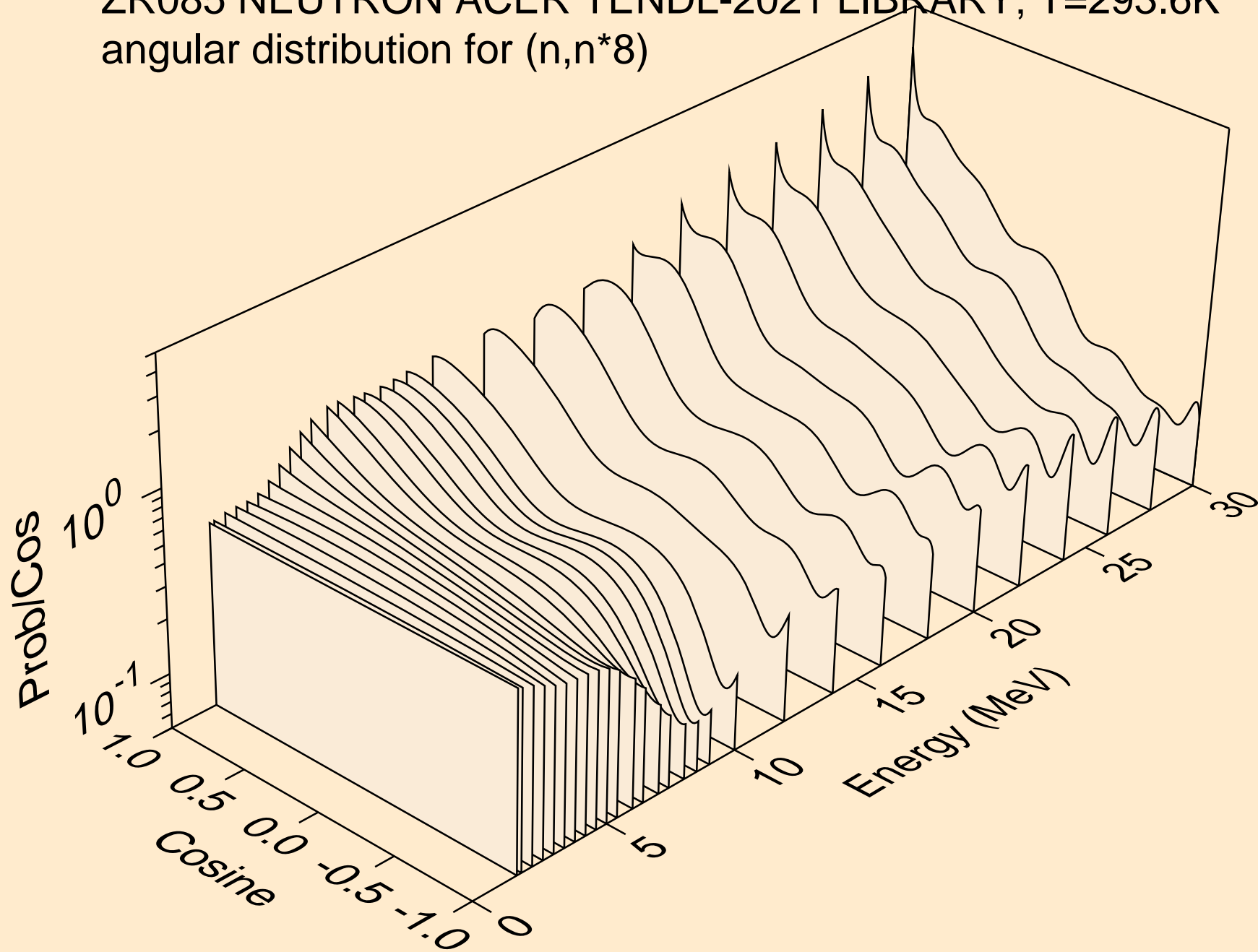
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angular distribution for (n,n\*6)



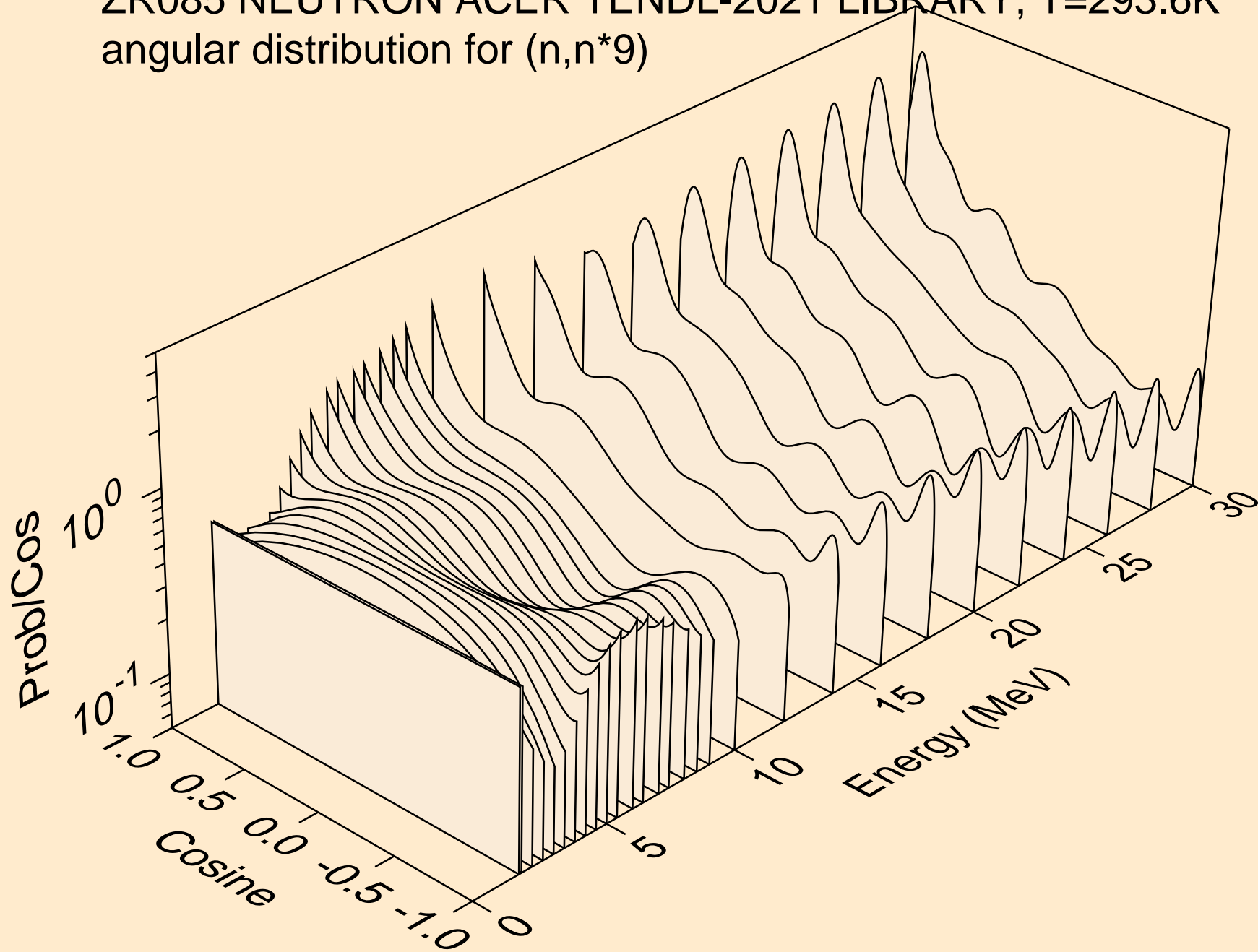
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angular distribution for (n,n\*7)



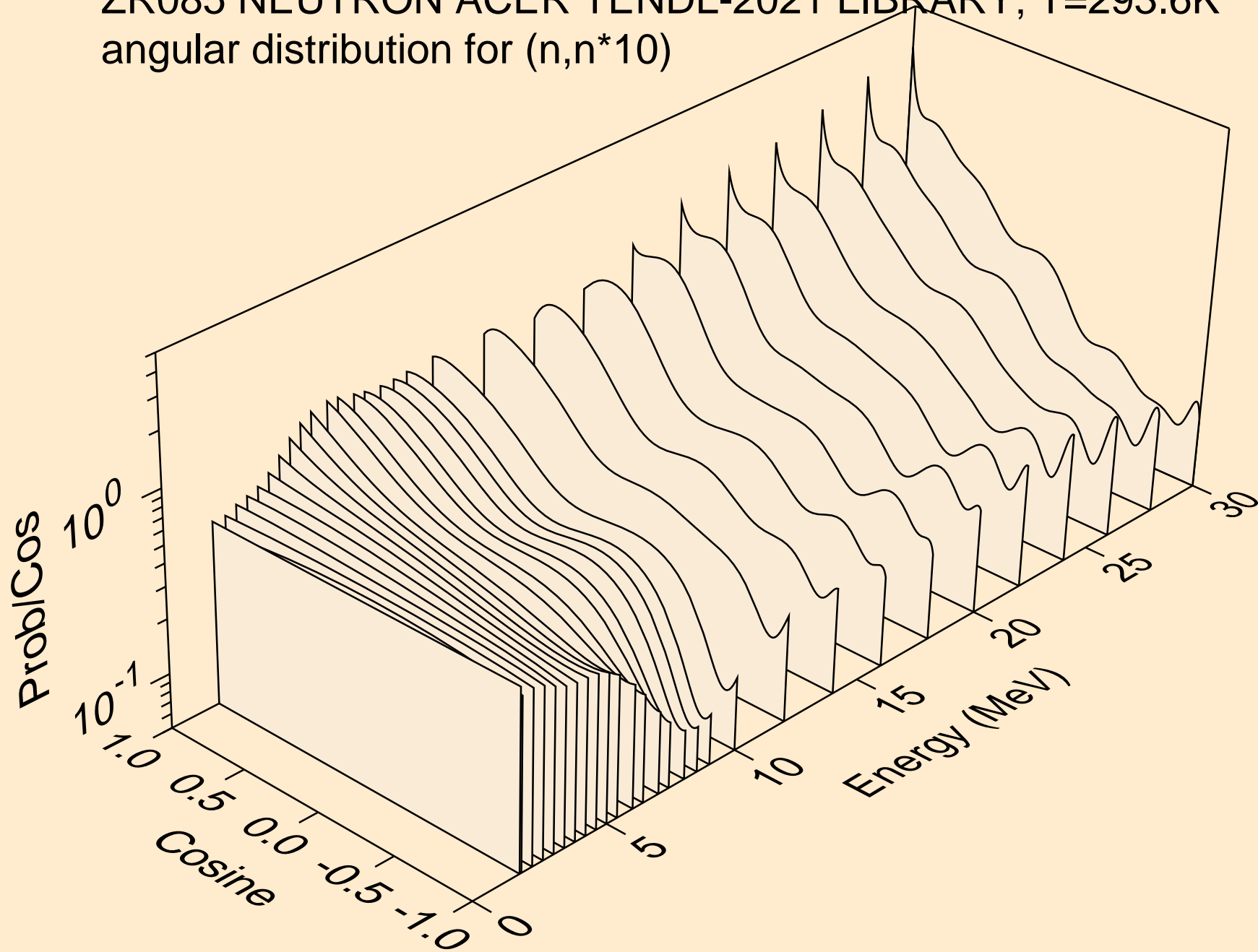
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*8)



ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*9)

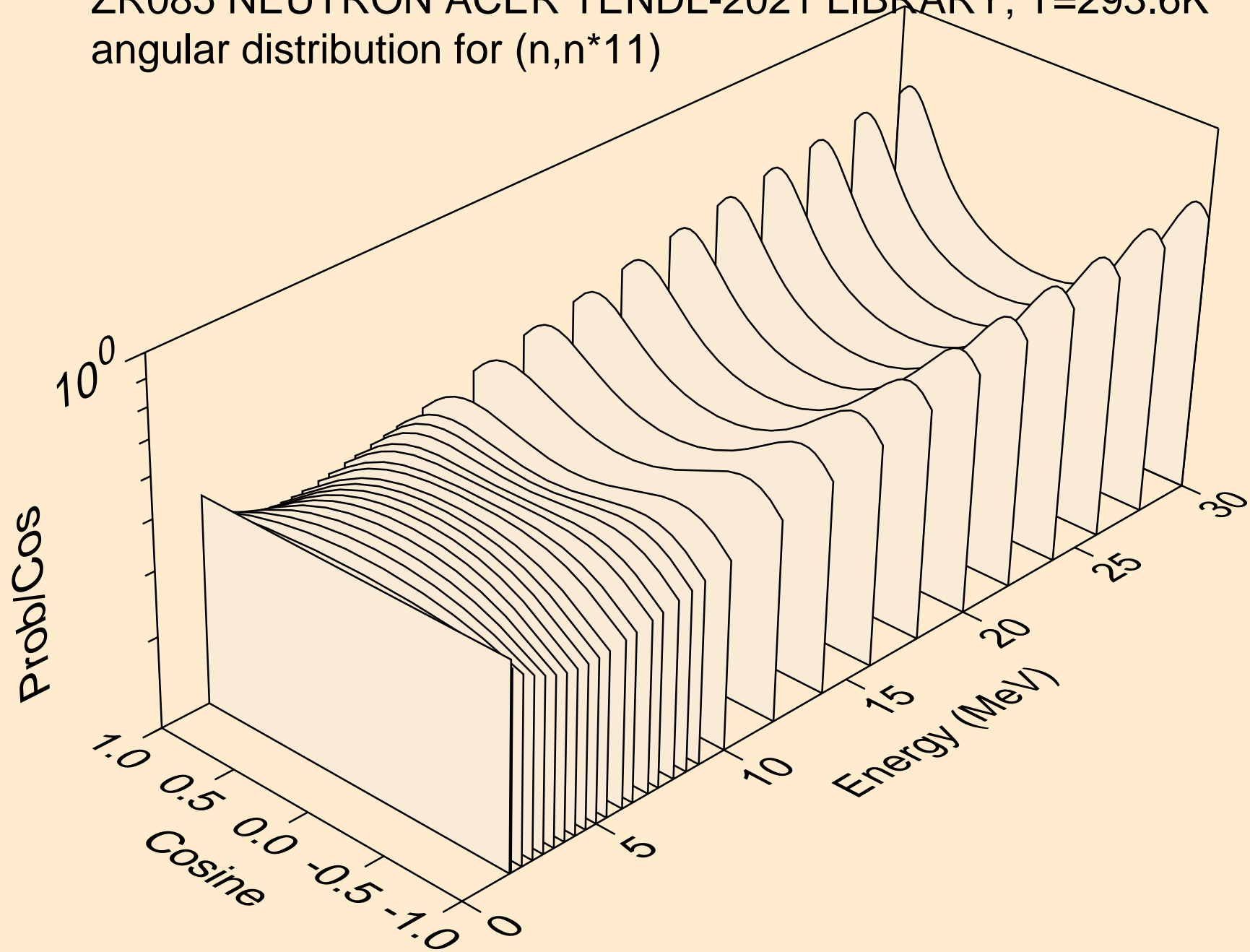


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angular distribution for (n,n\*10)

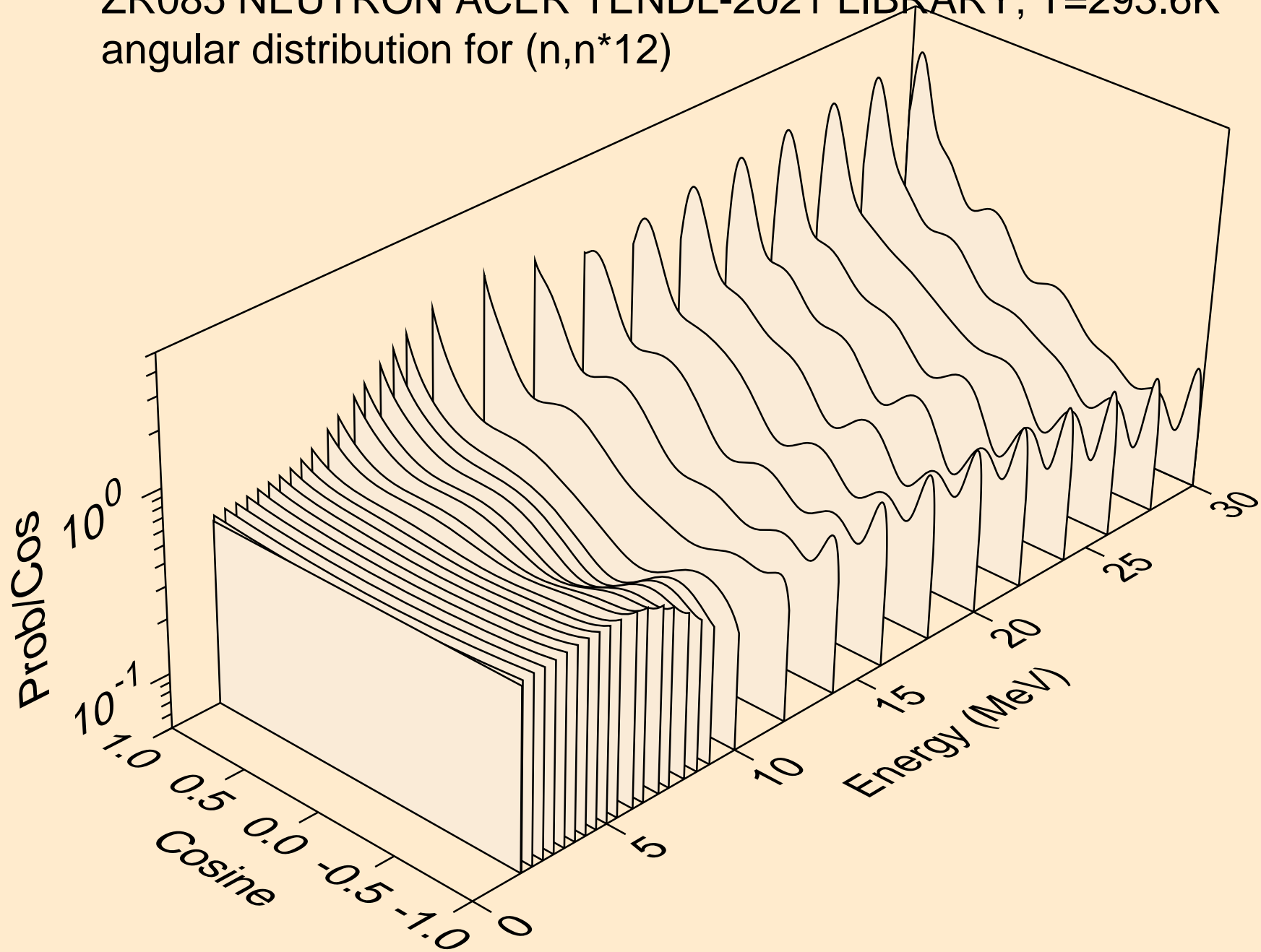




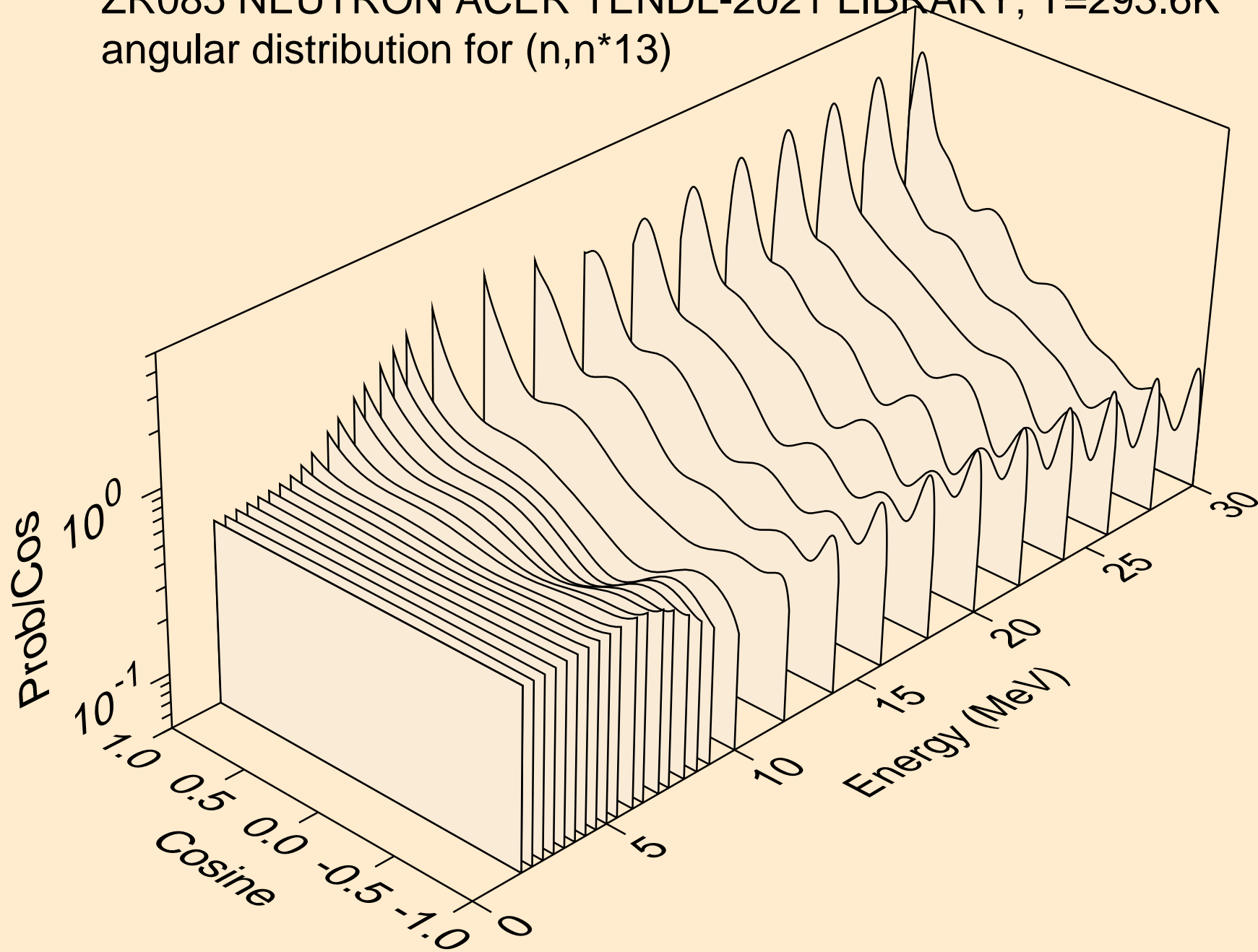
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angular distribution for (n,n\*11)



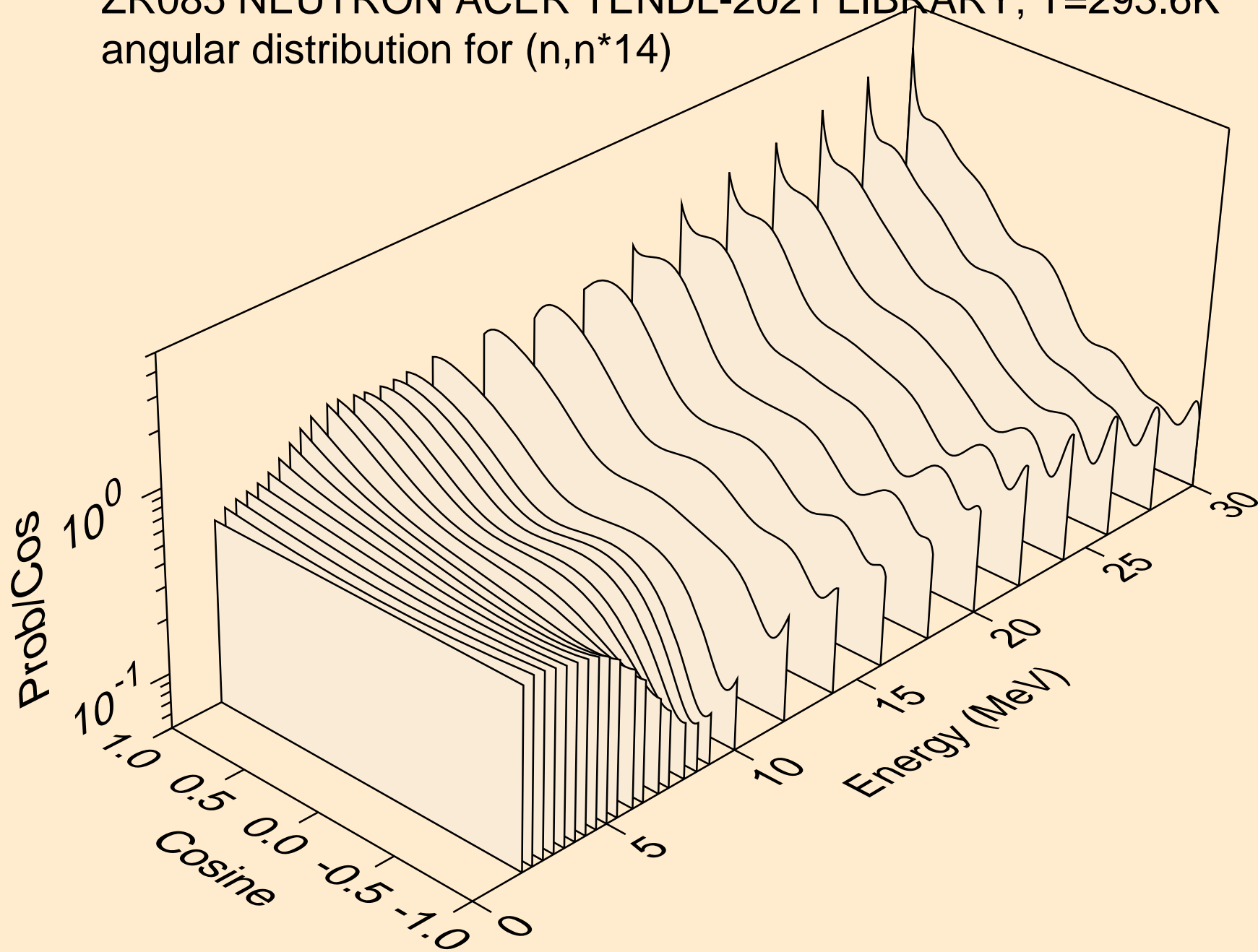
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angular distribution for (n,n\*12)



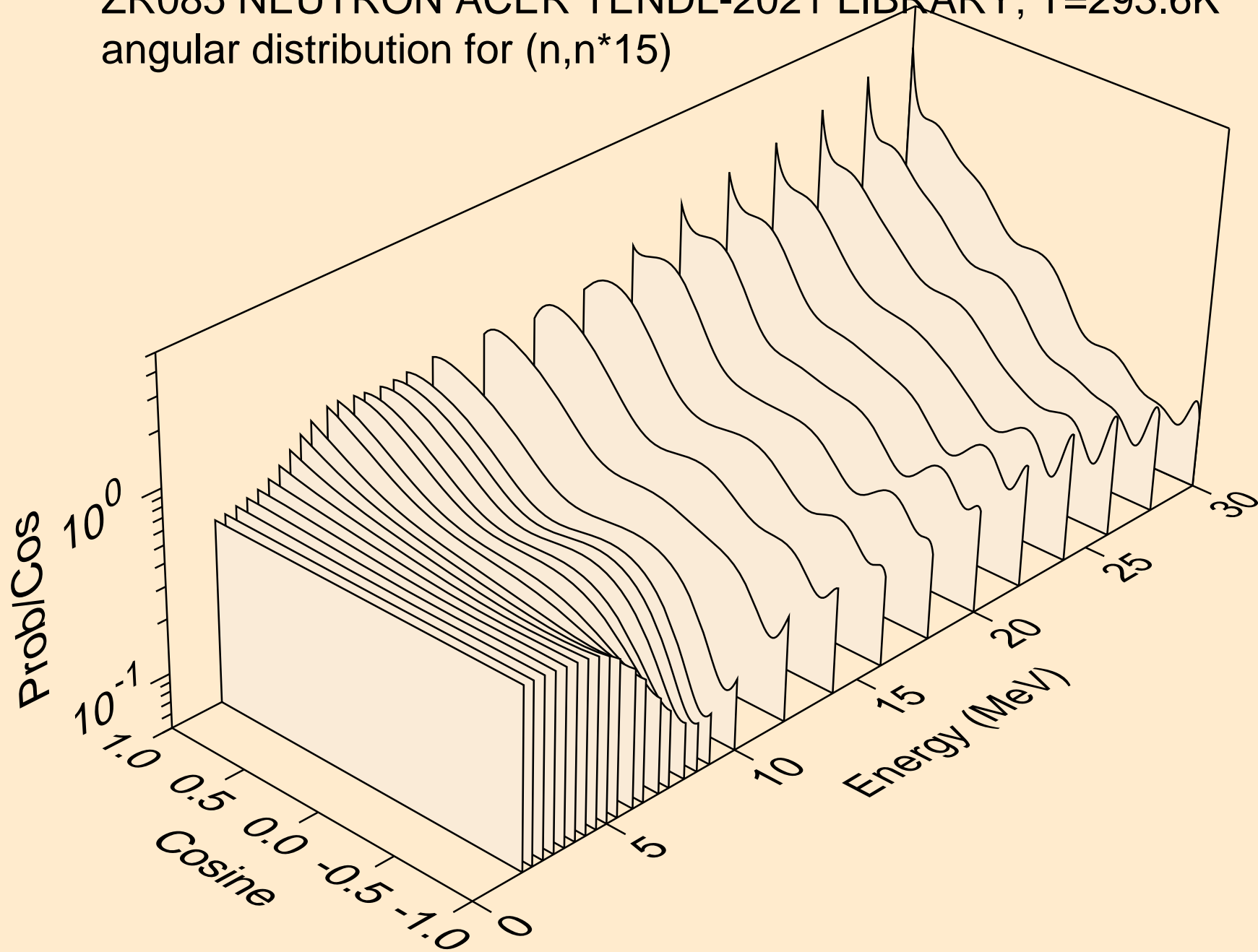
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angular distribution for (n,n\*13)



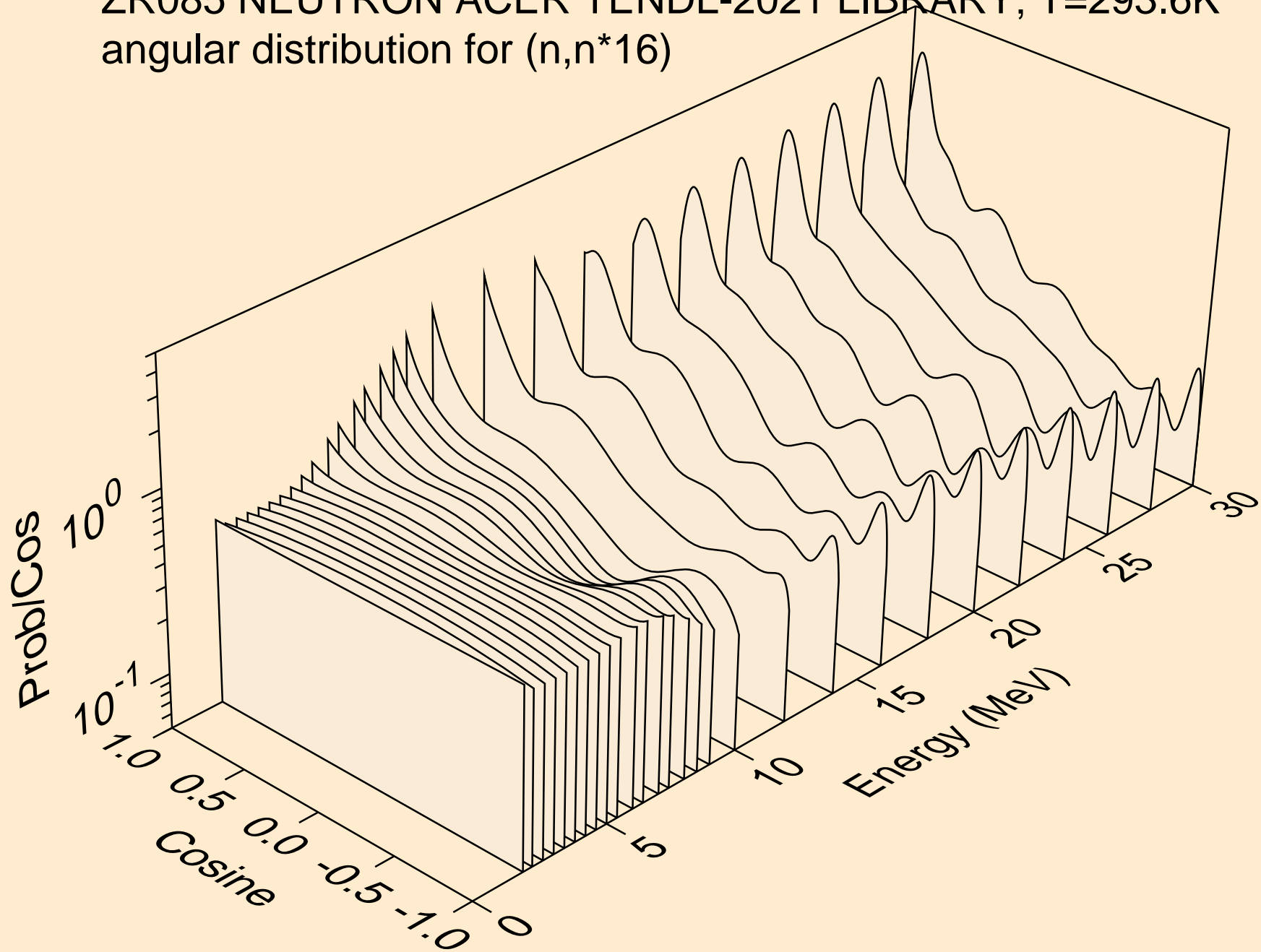
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angular distribution for (n,n\*14)



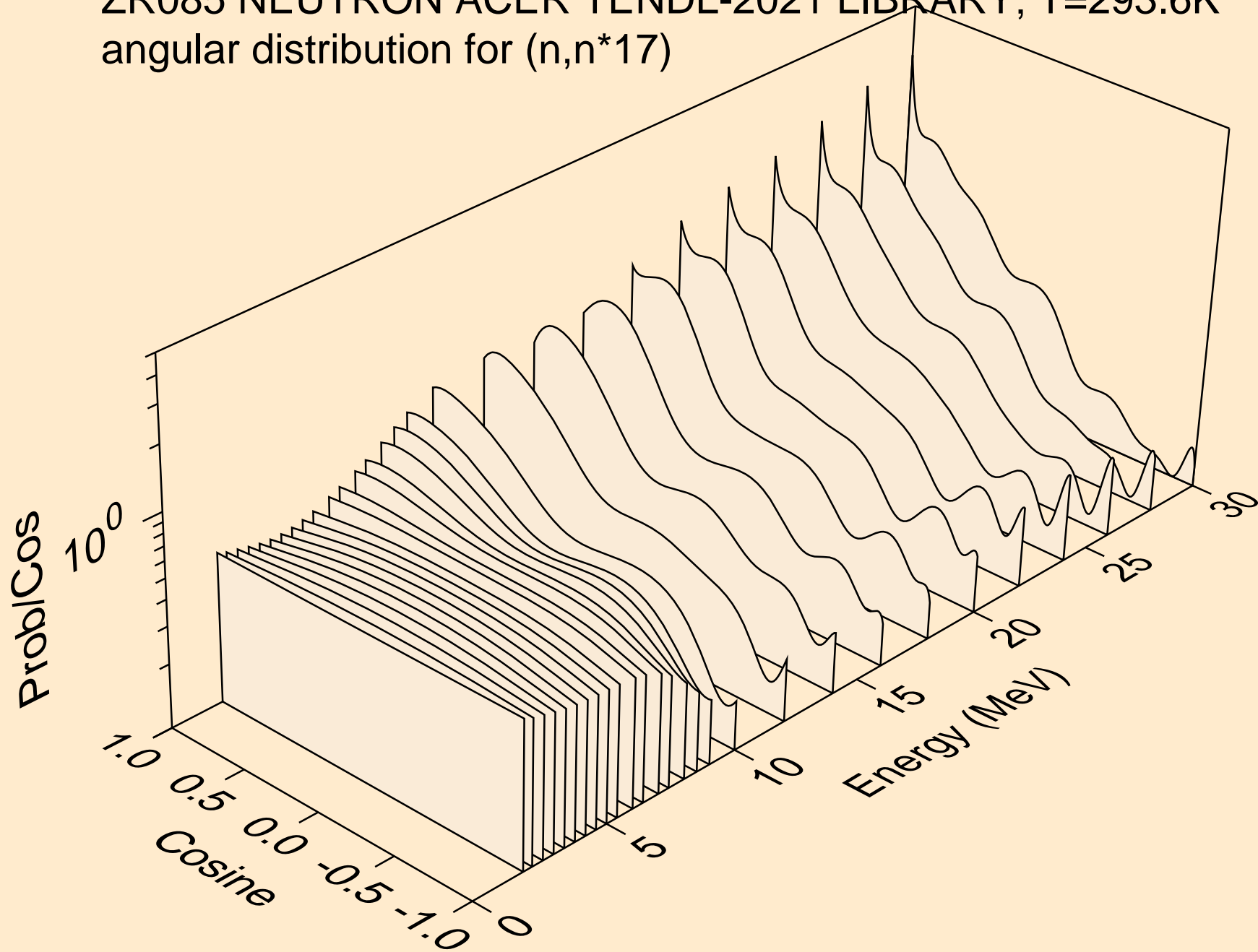
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angular distribution for (n,n\*15)



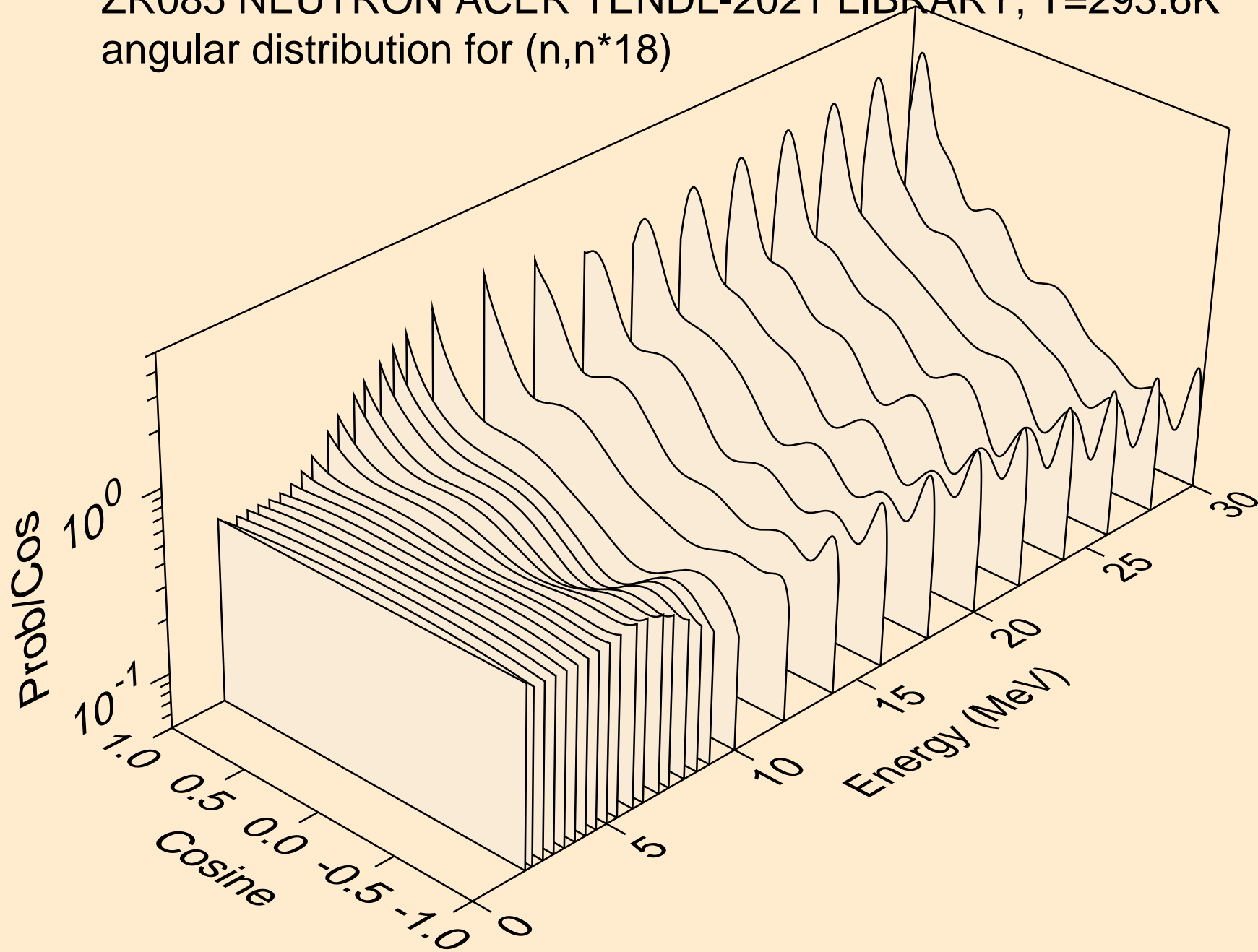
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*16)



ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*17)

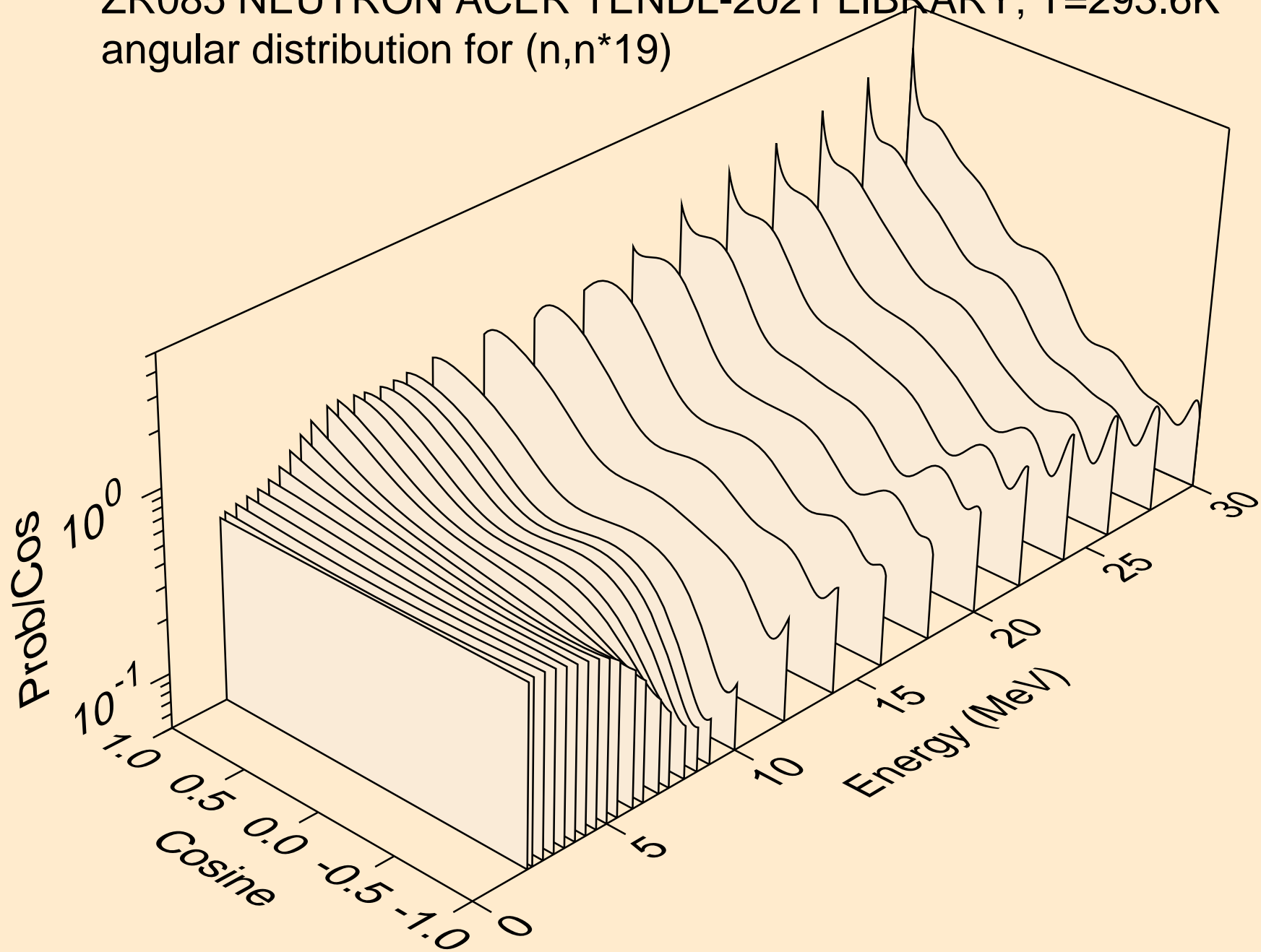


ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*18)

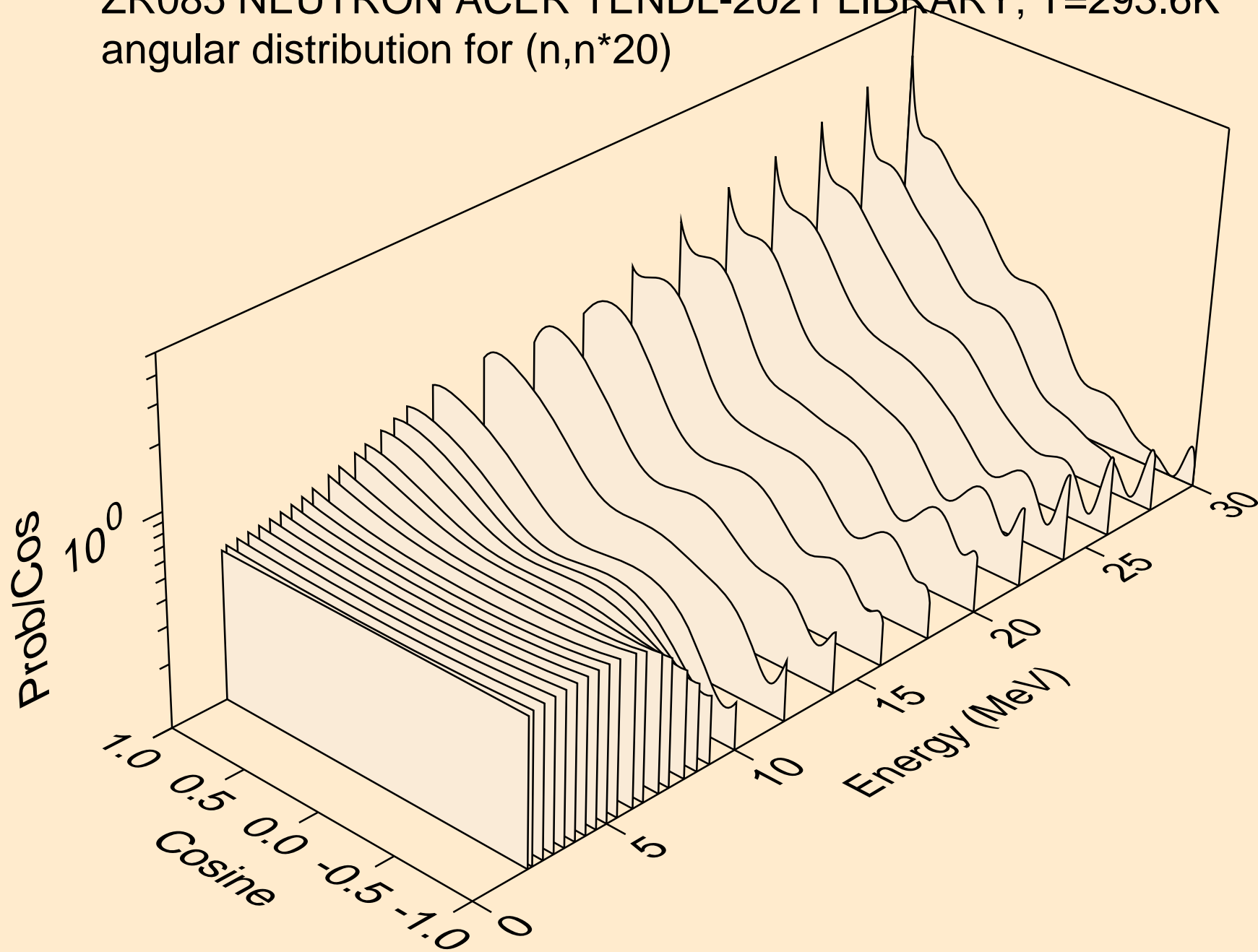




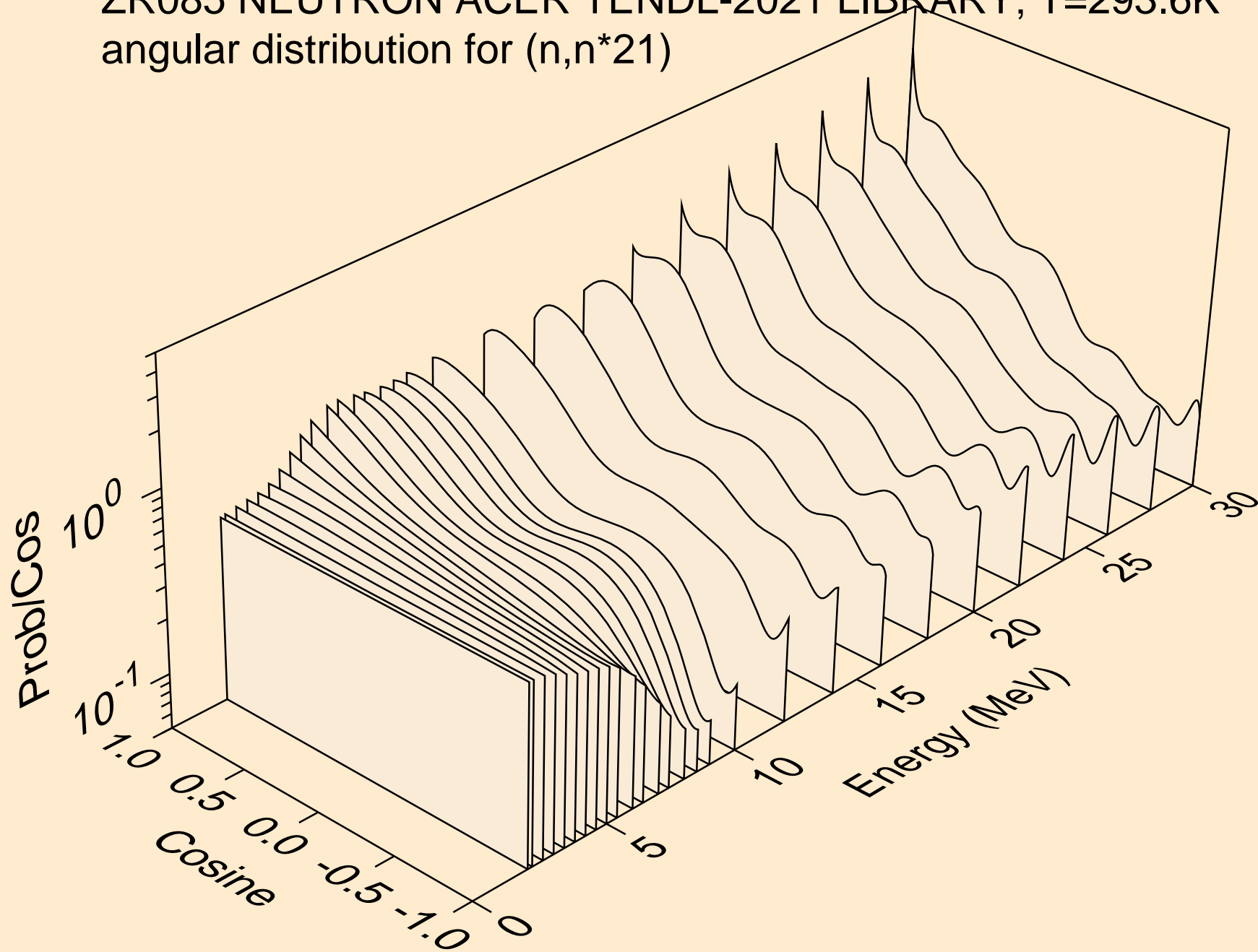
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*19)



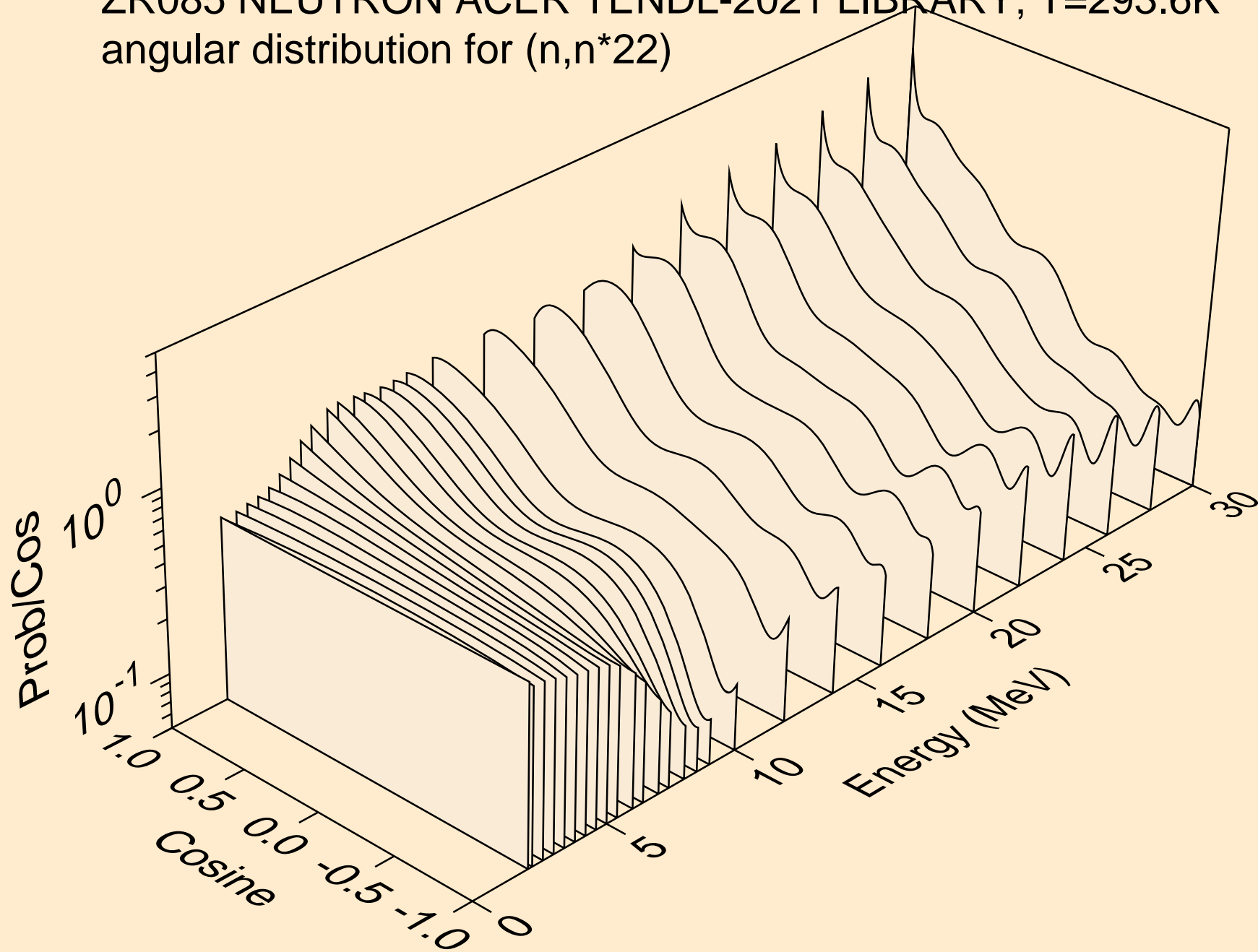
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angular distribution for (n,n\*20)



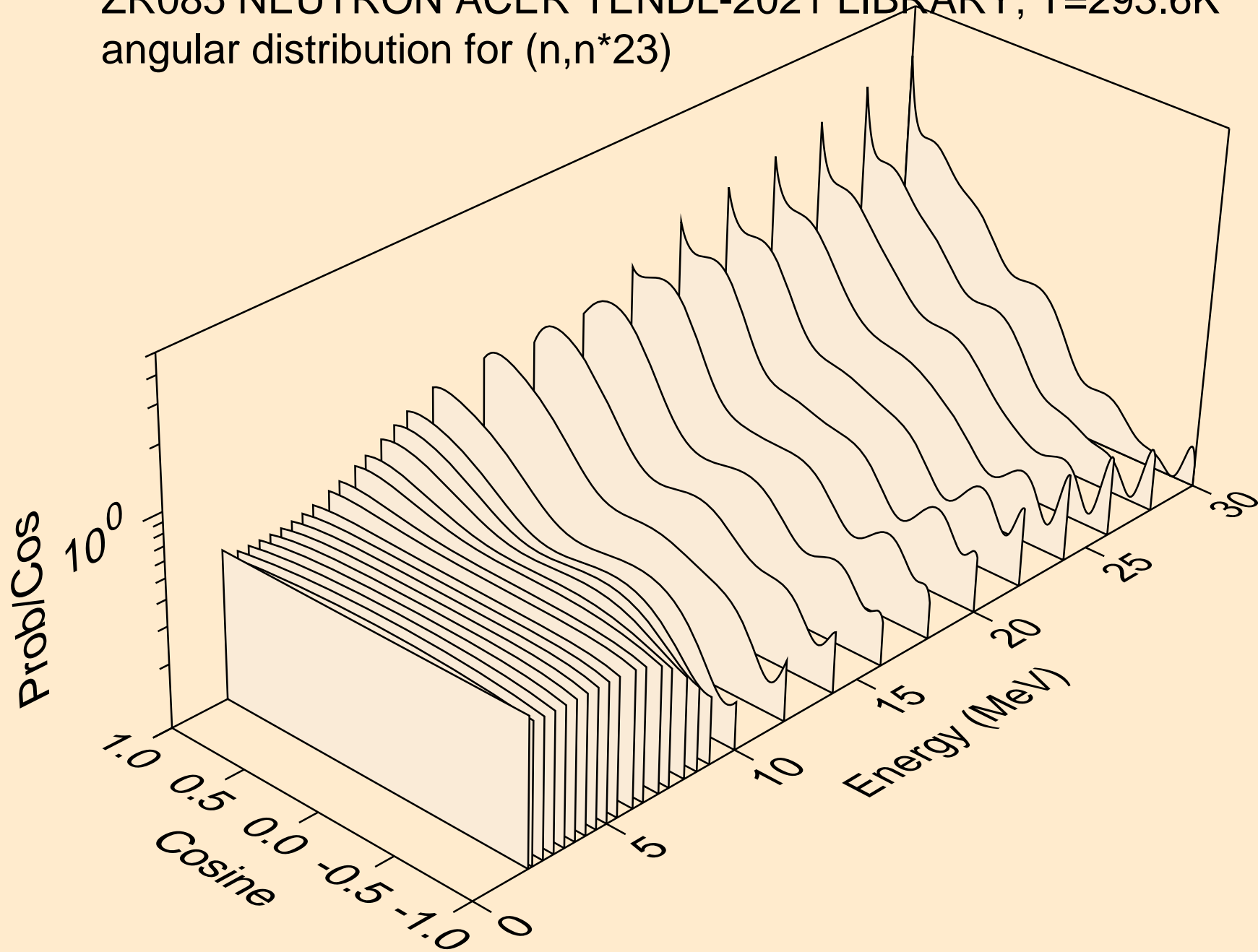
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angular distribution for (n,n\*21)



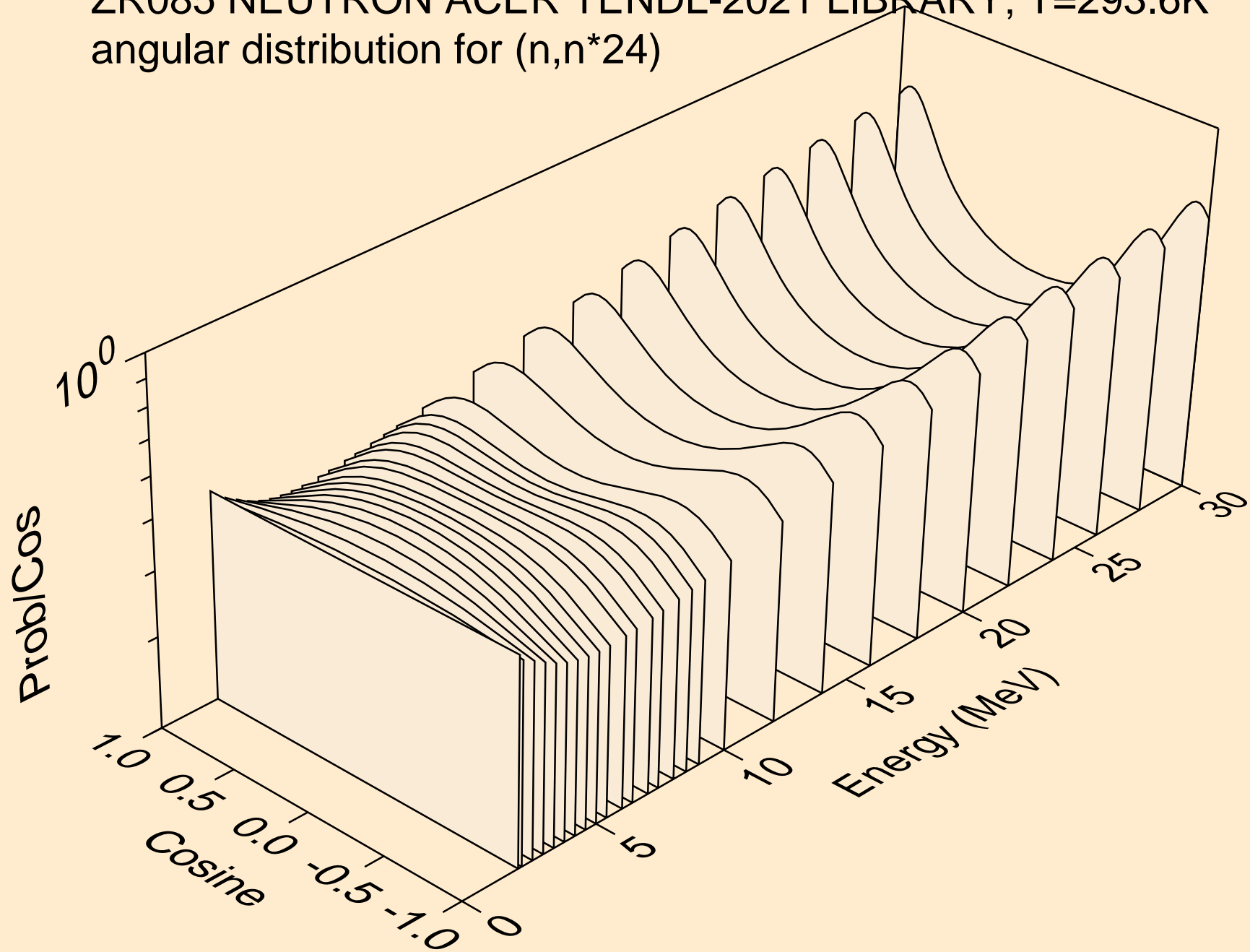
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angular distribution for (n,n\*22)



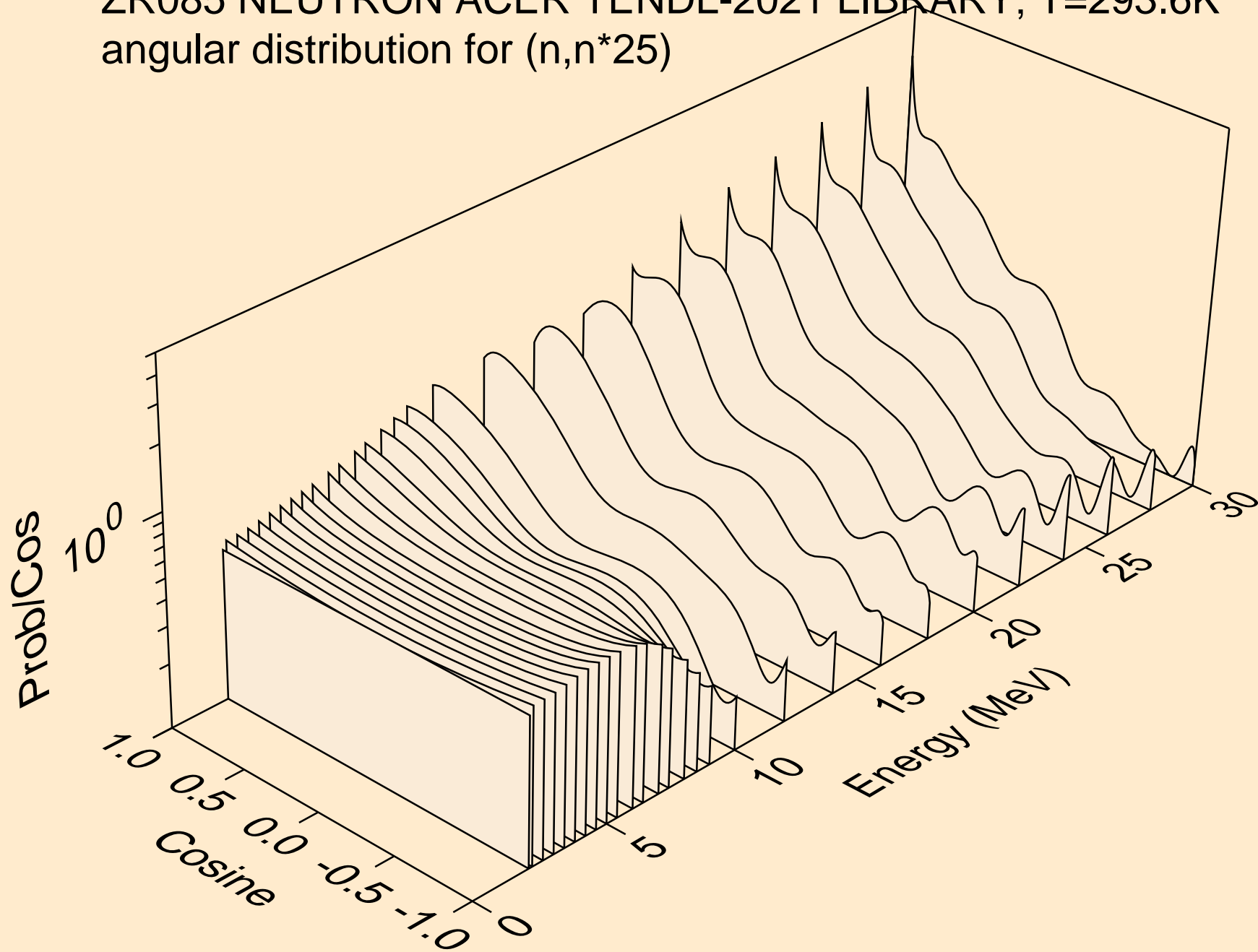
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angular distribution for (n,n\*23)



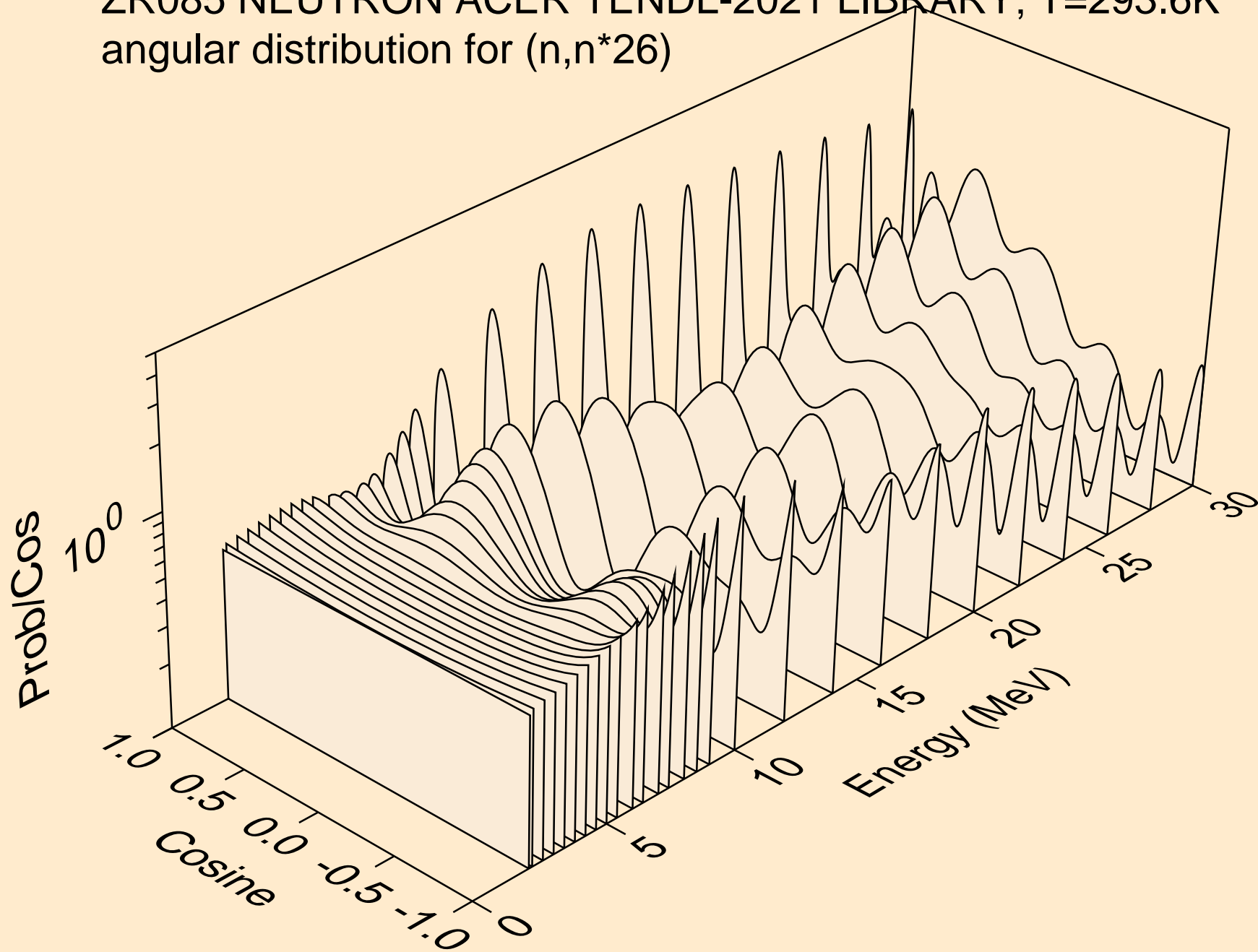
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*24)



ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*25)

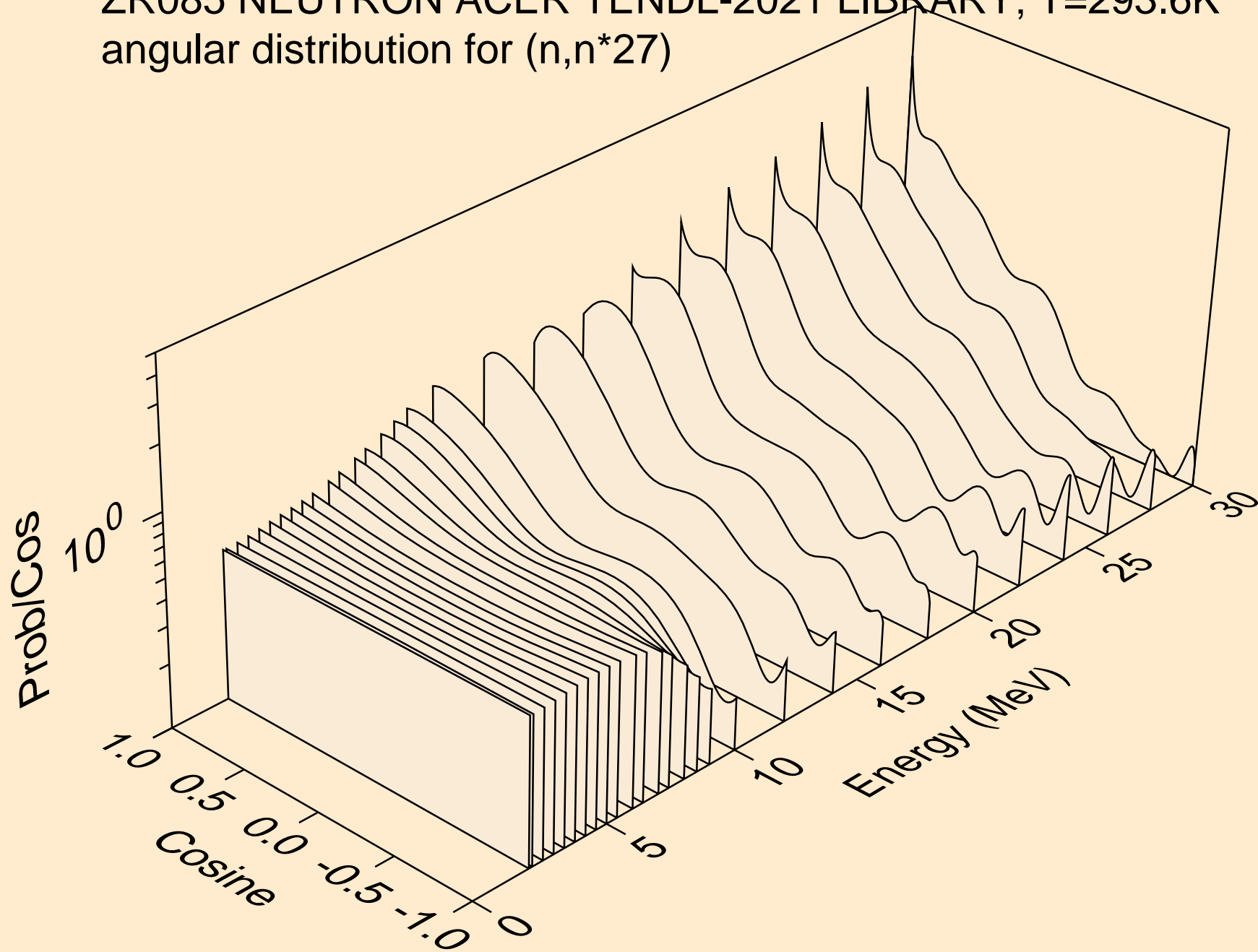


ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*26)

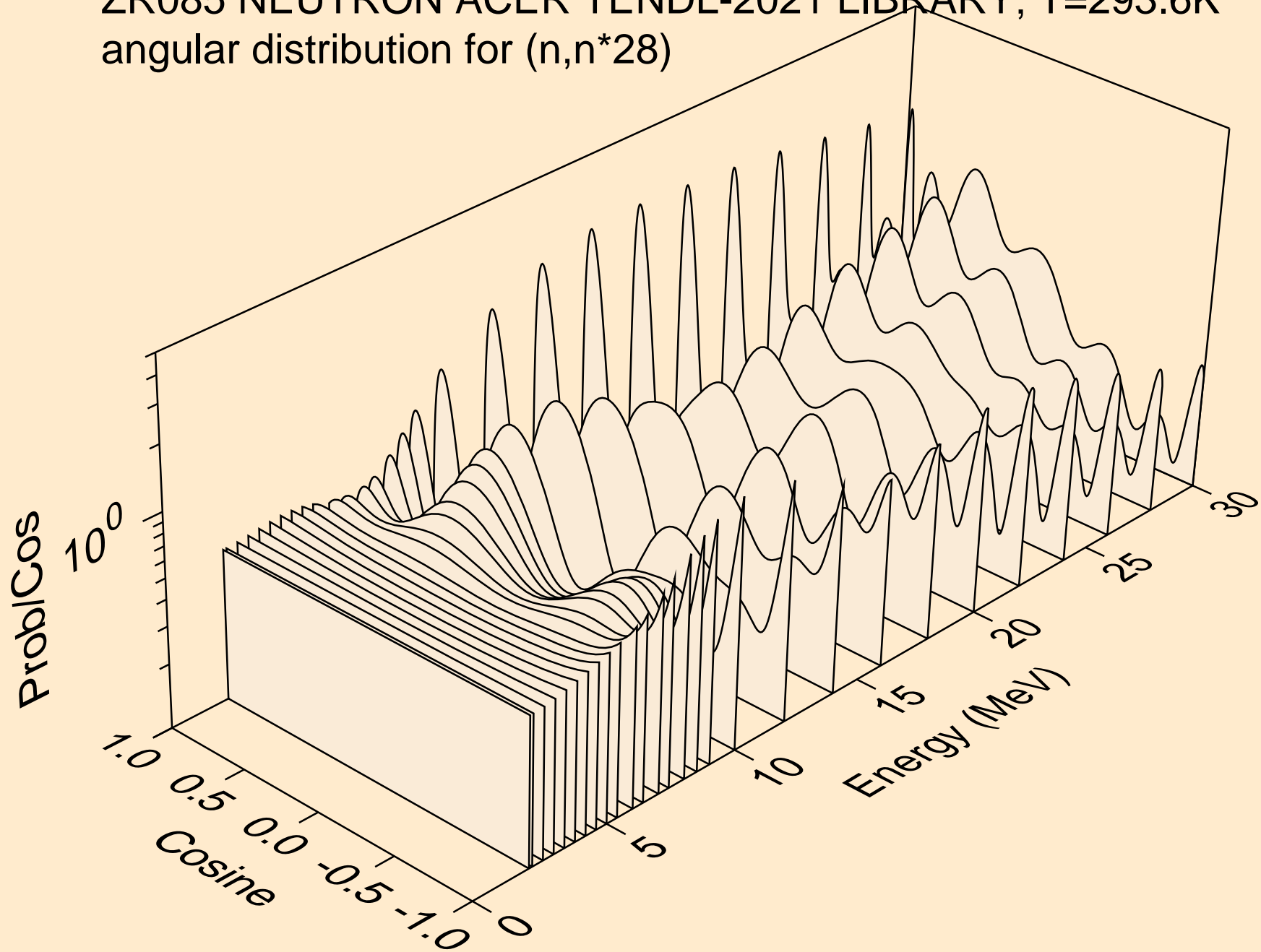




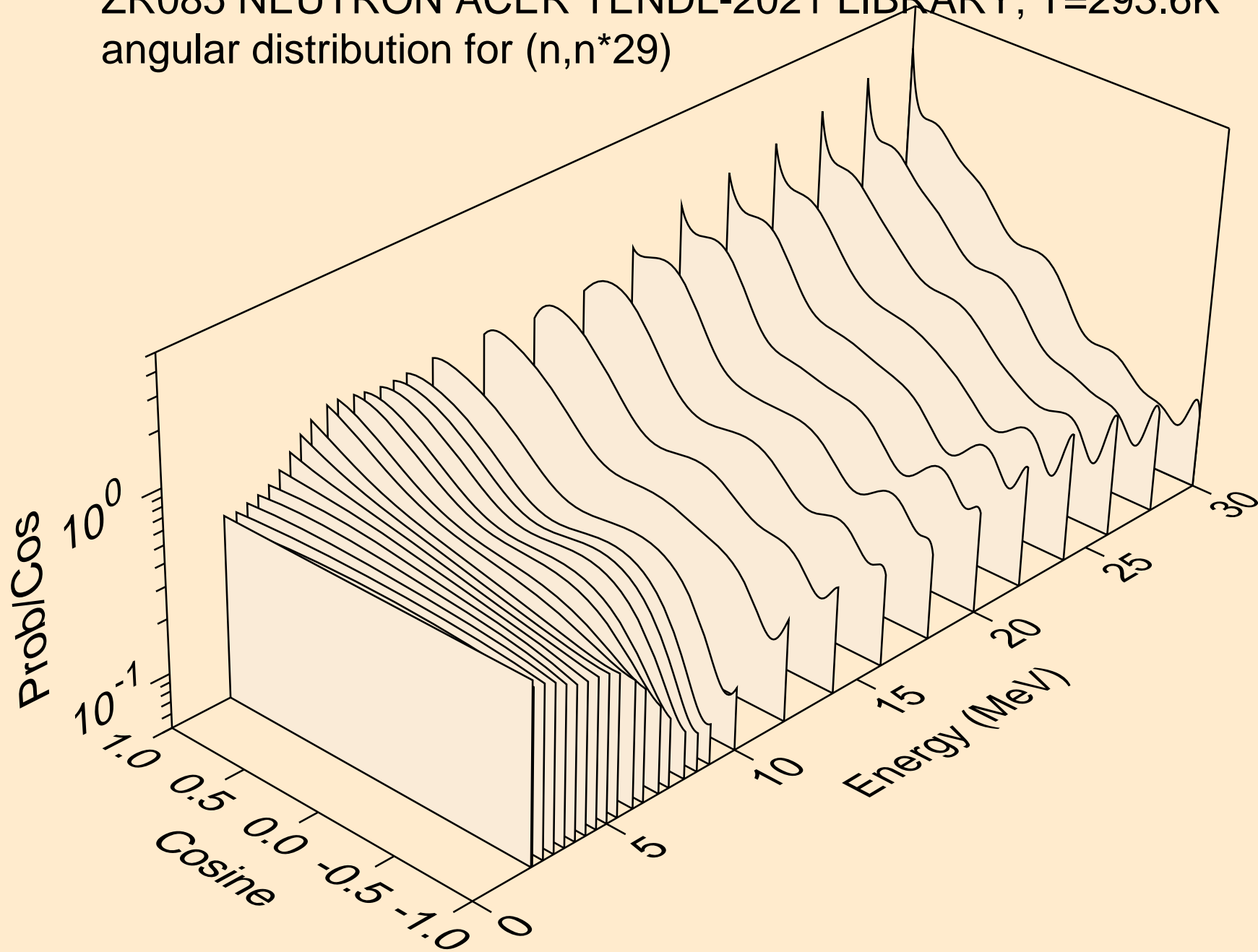
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*27)



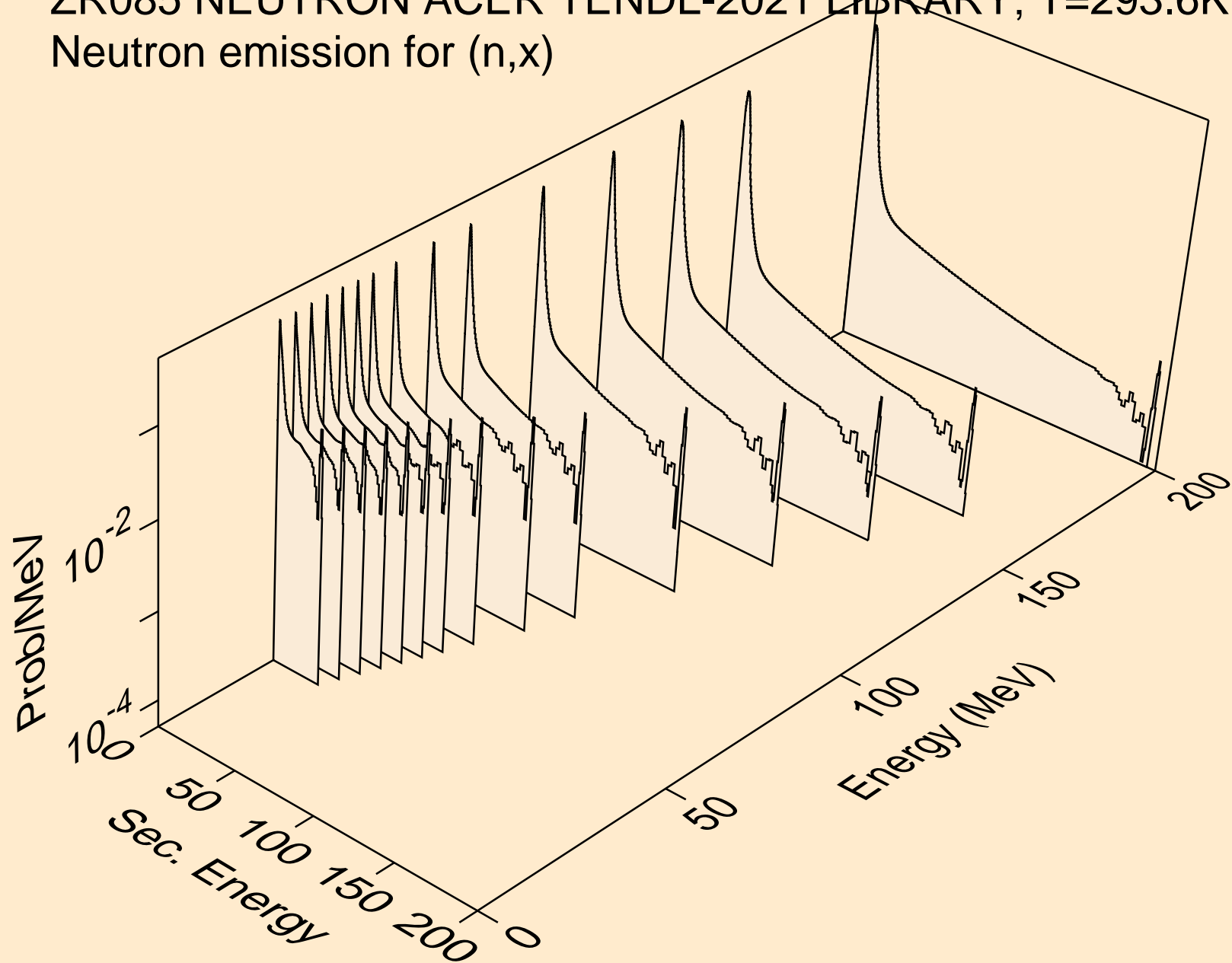
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*28)



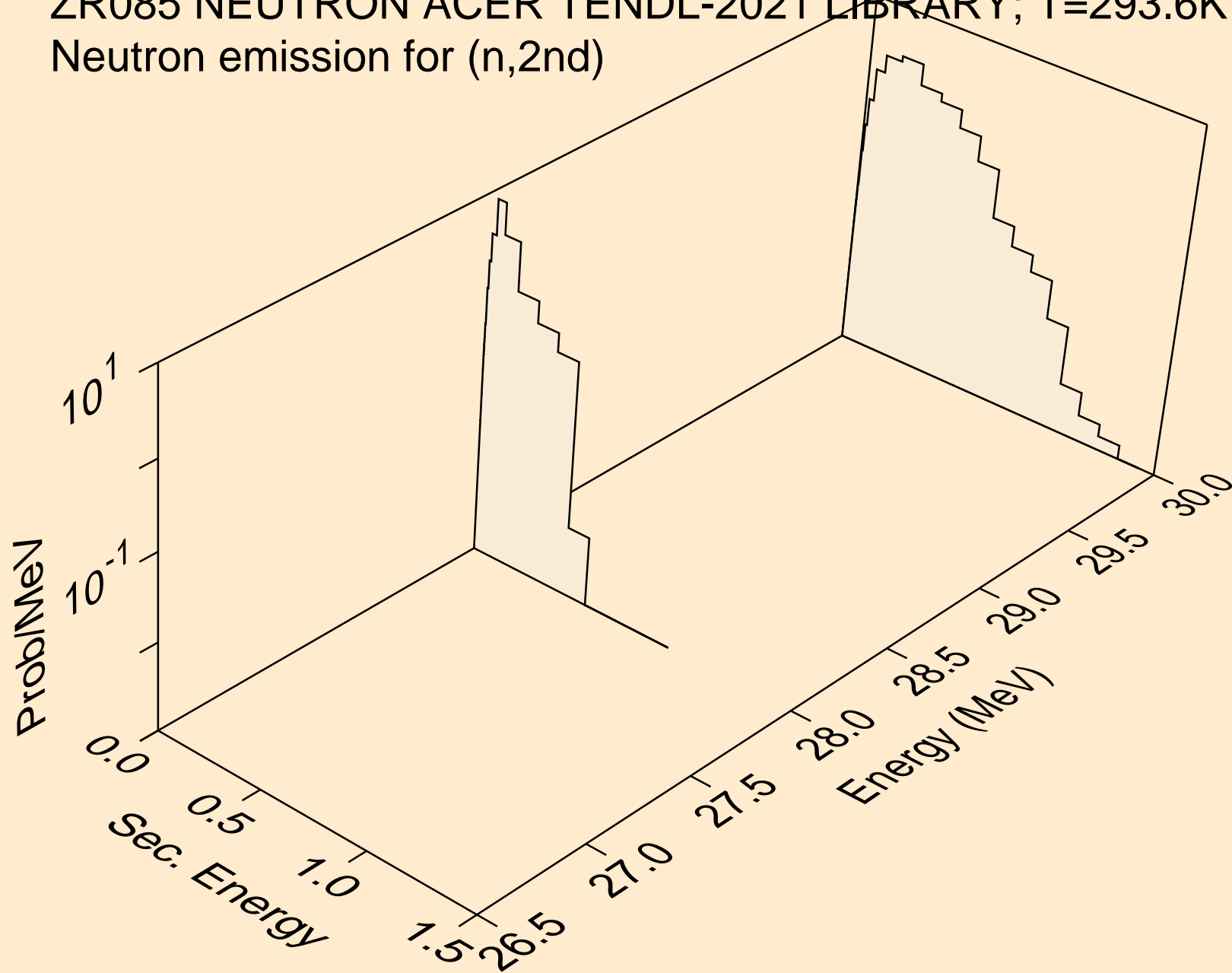
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*29)



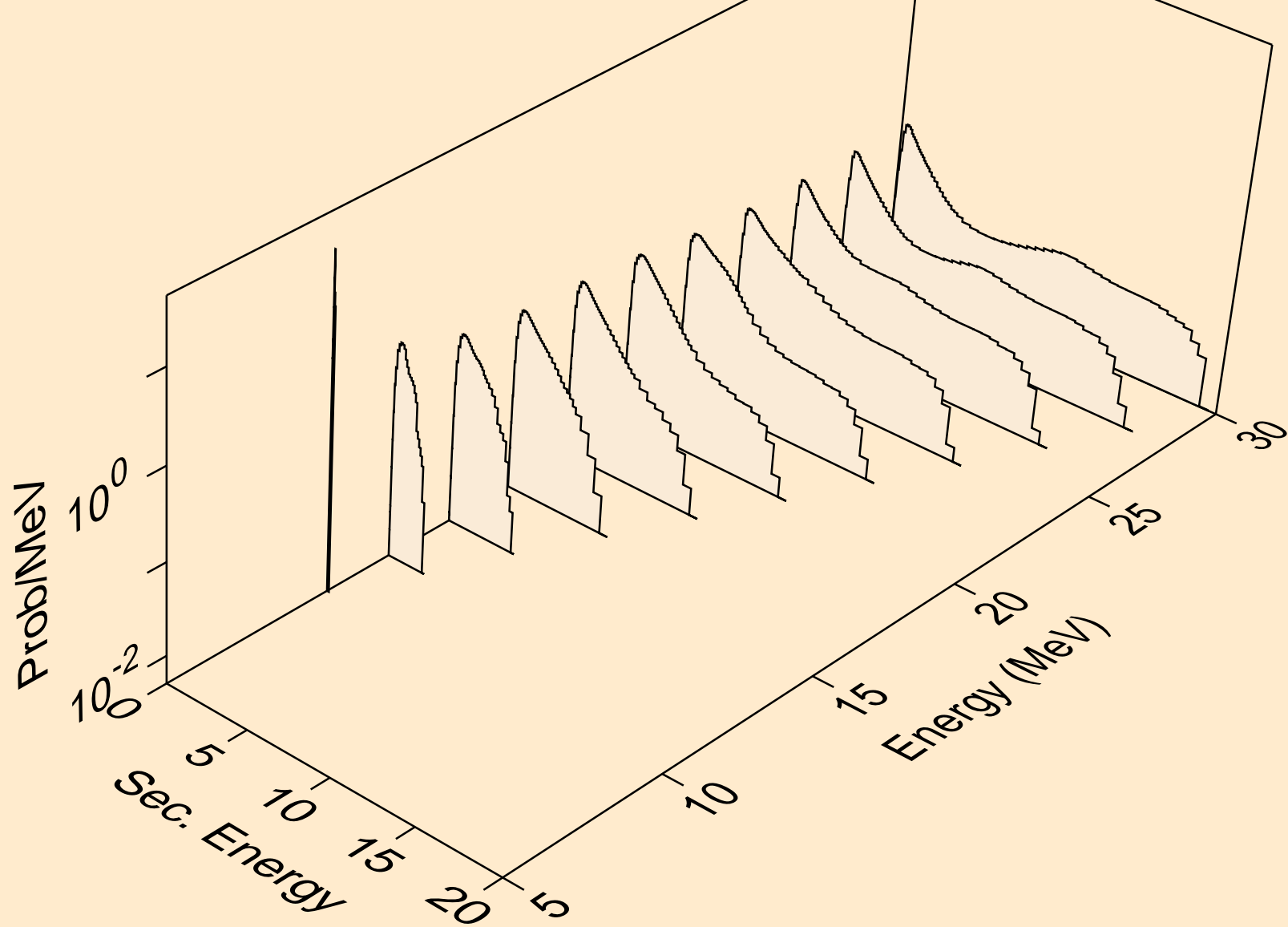
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)



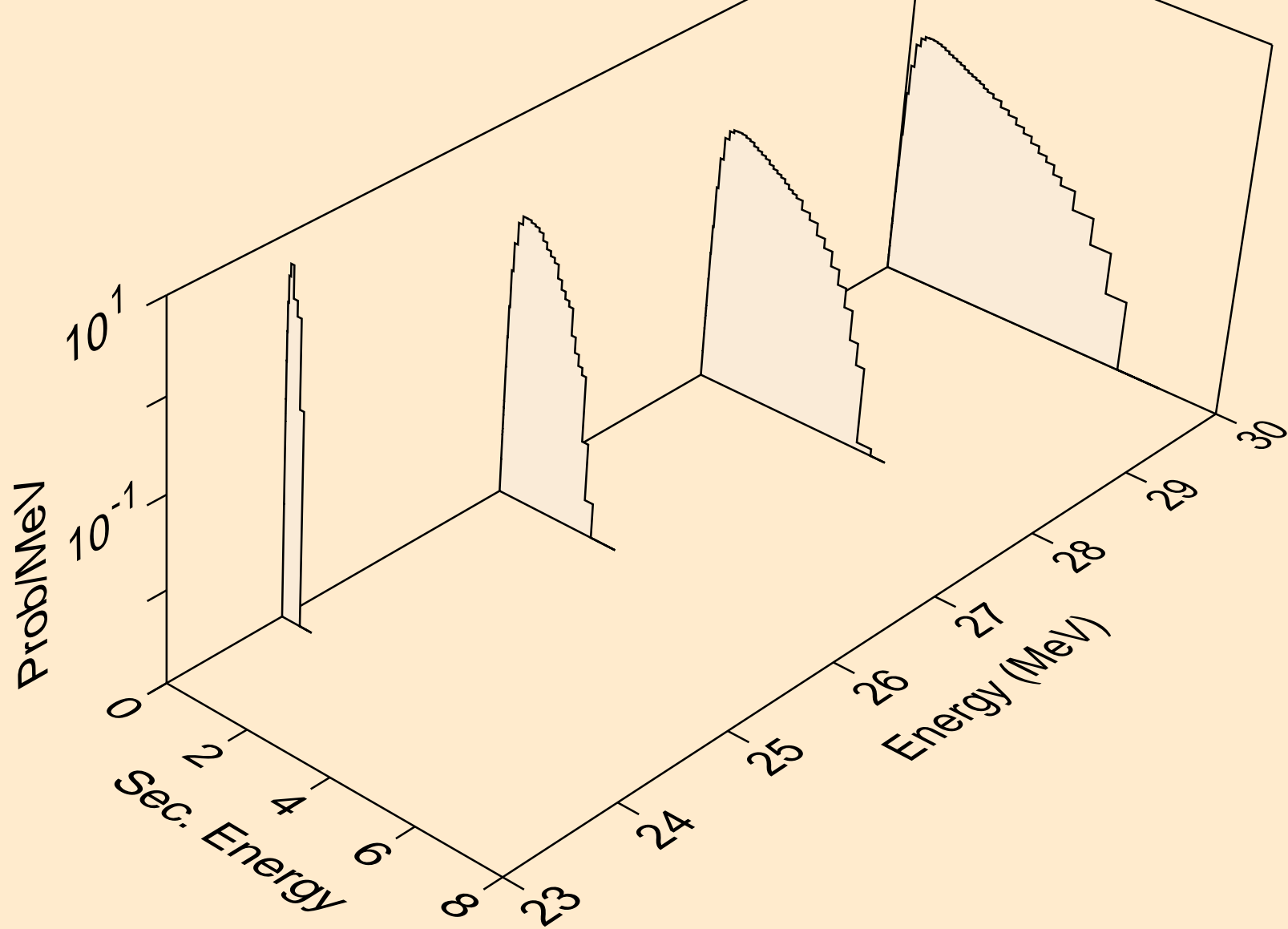
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



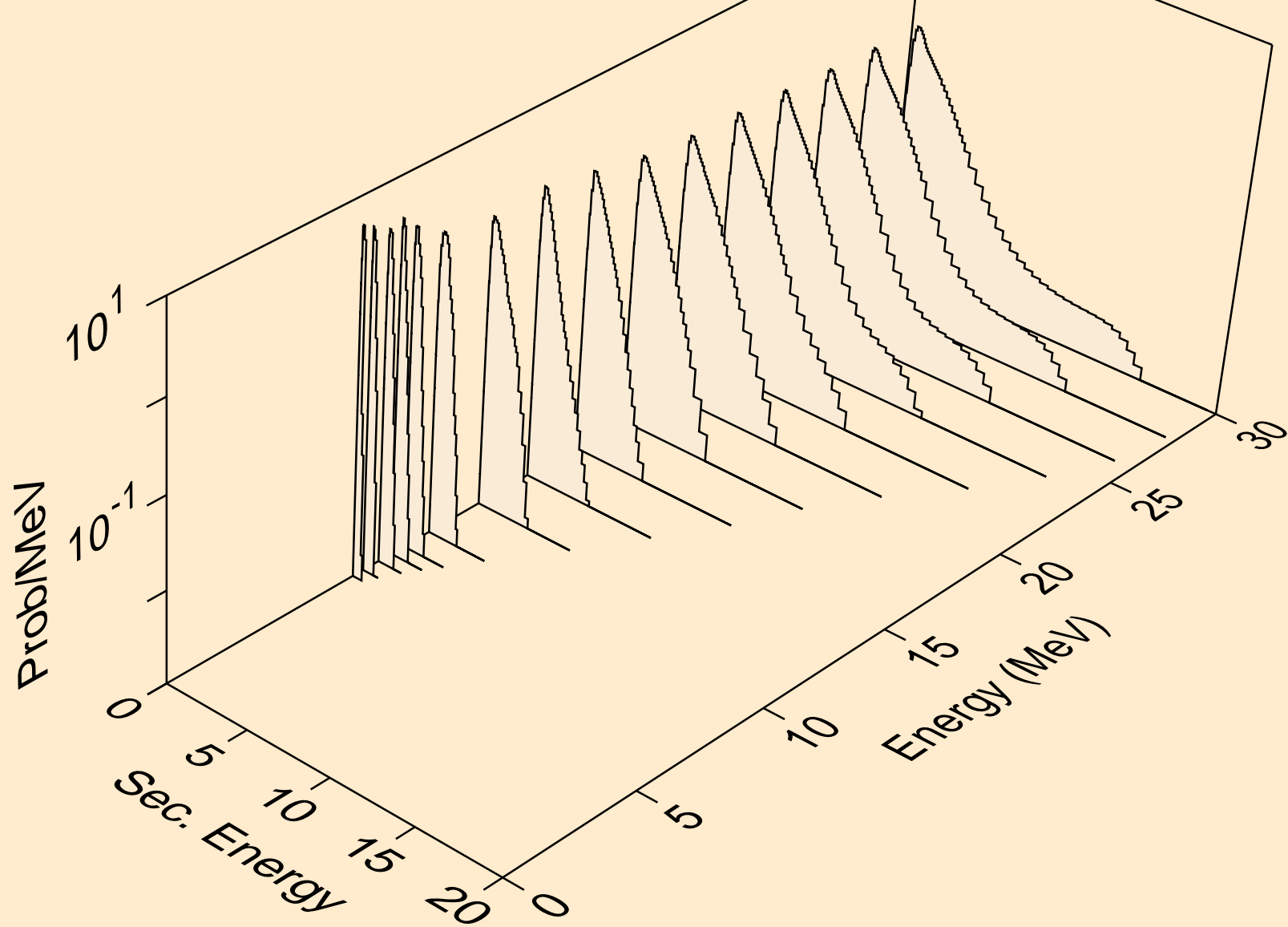
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)

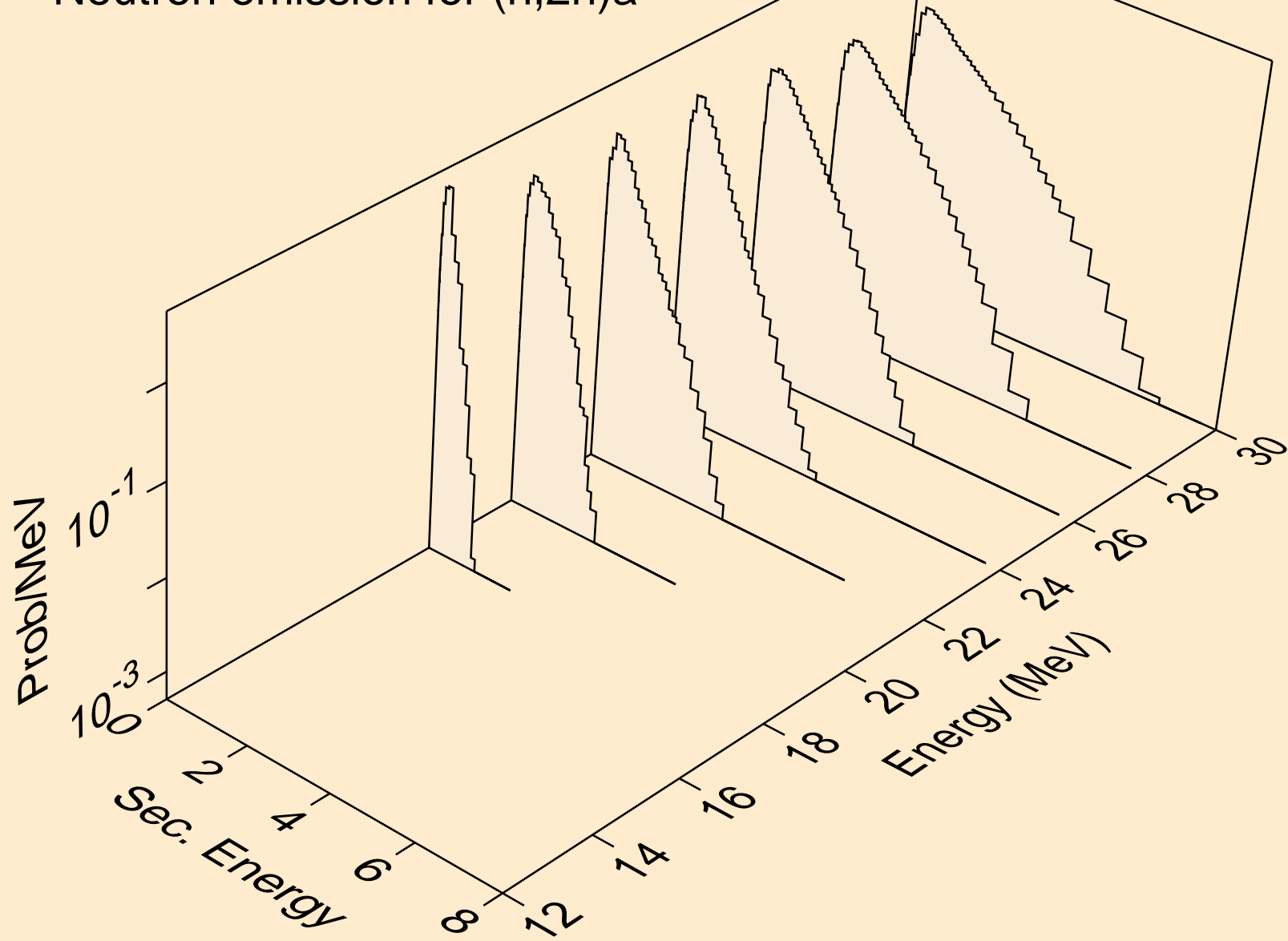


ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a

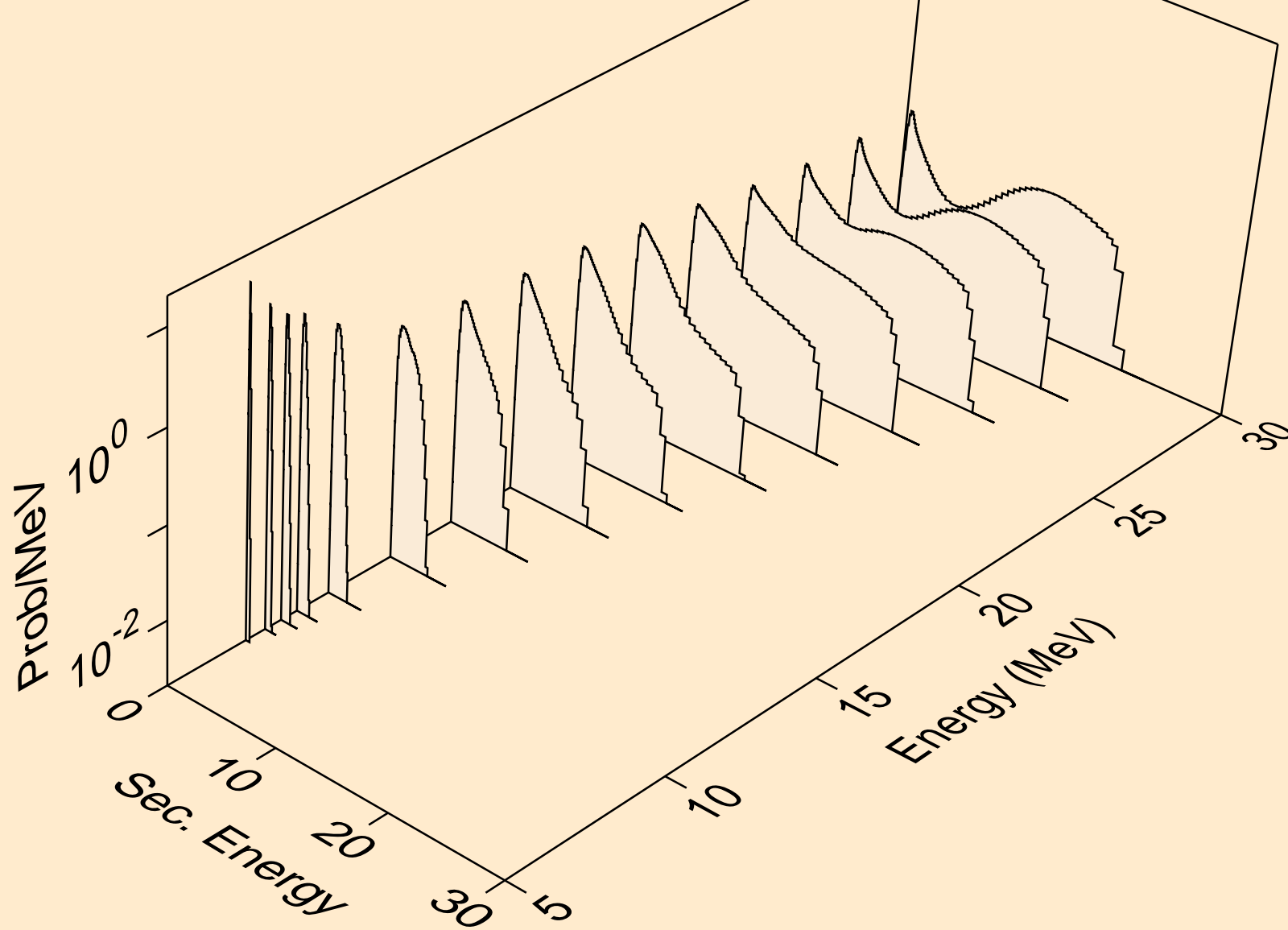




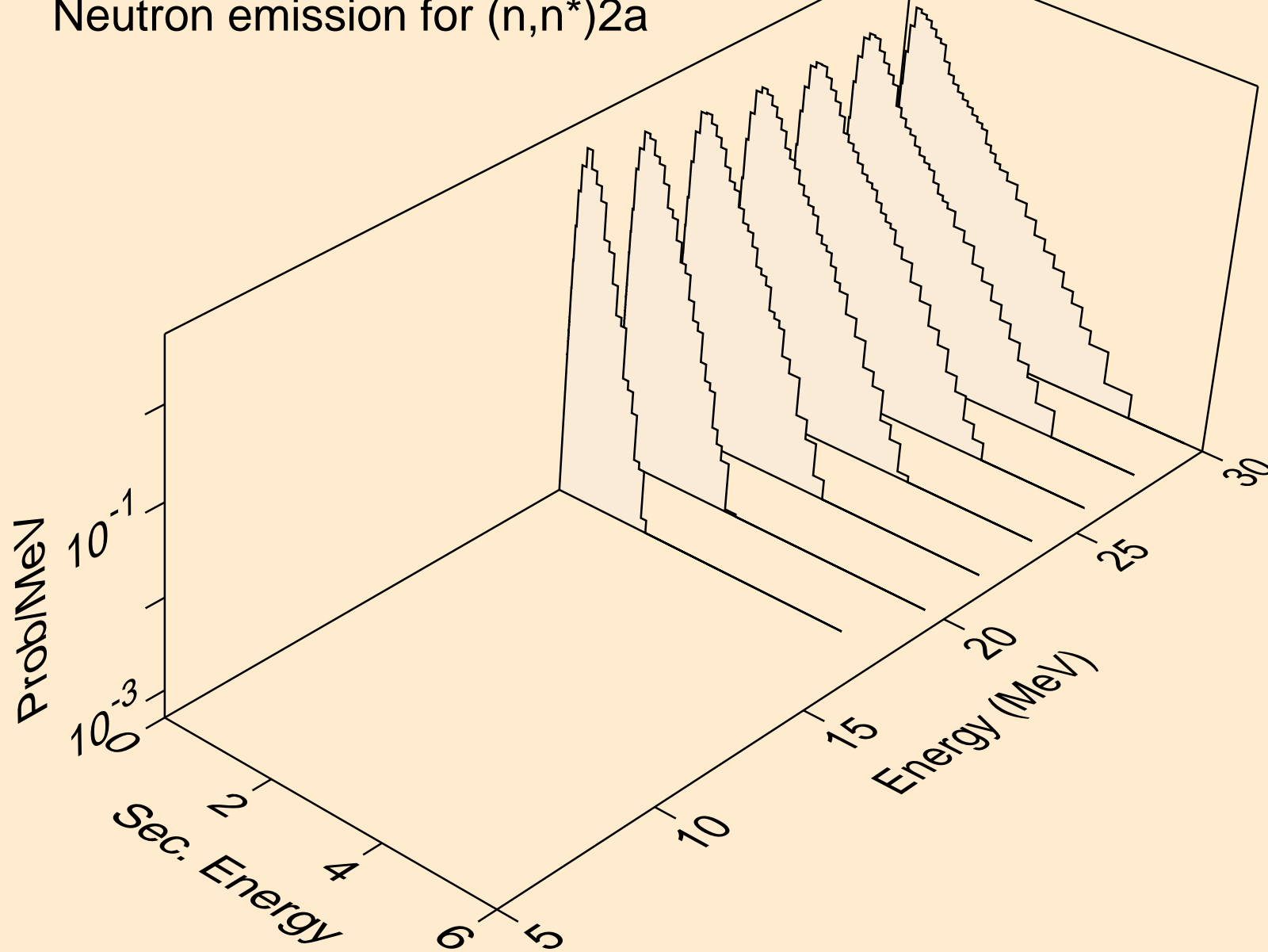
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)<sub>a</sub>



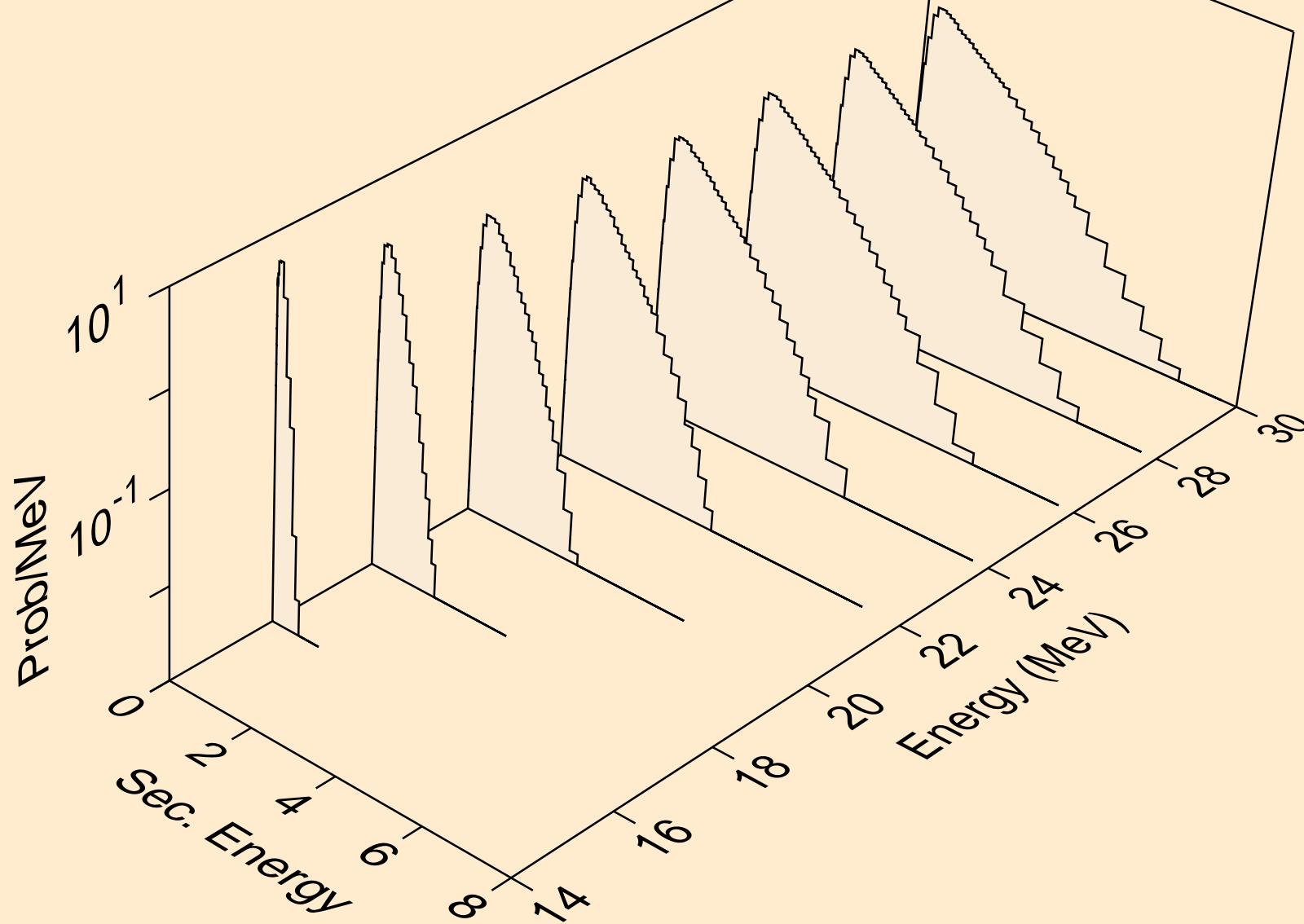
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



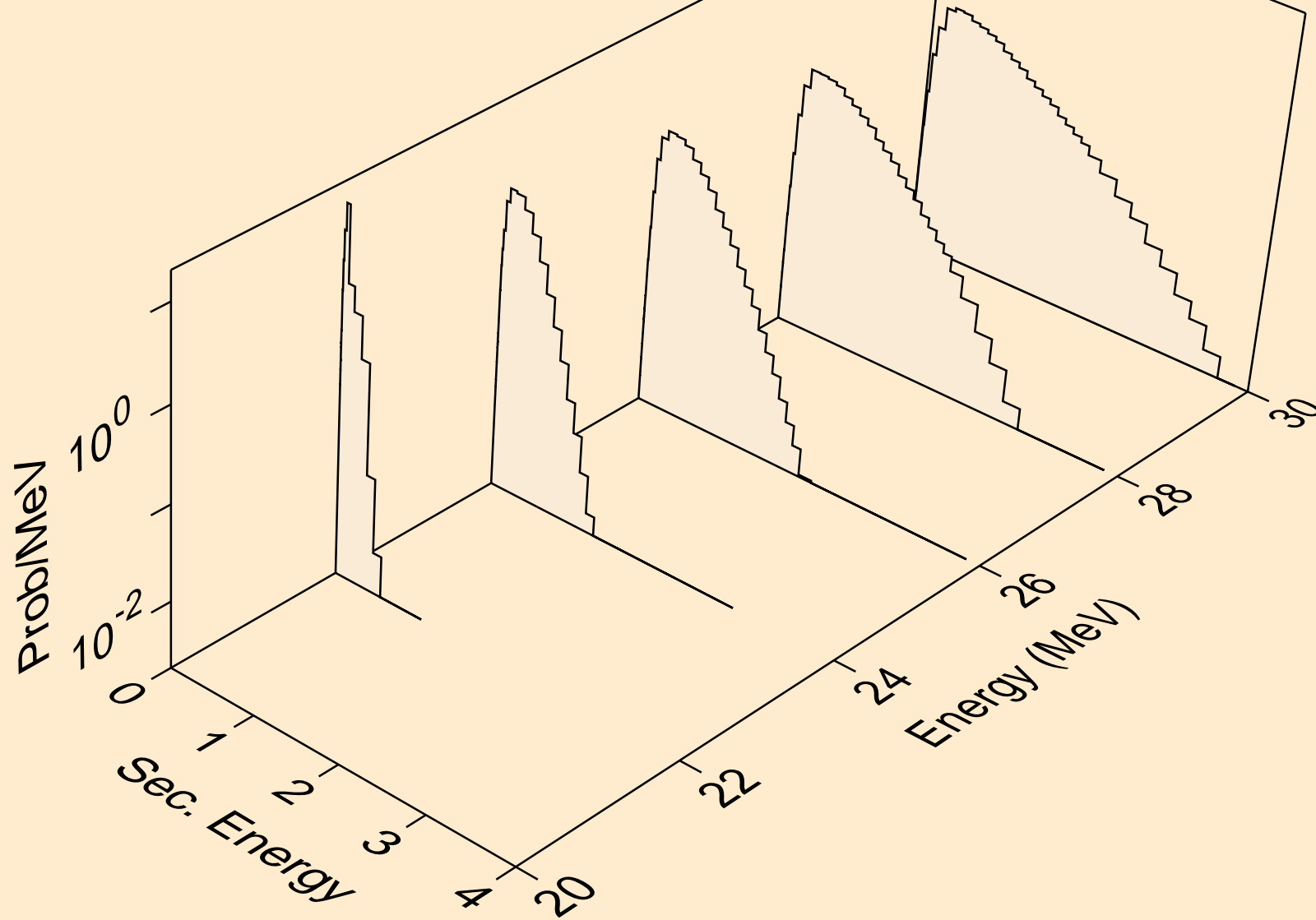
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a



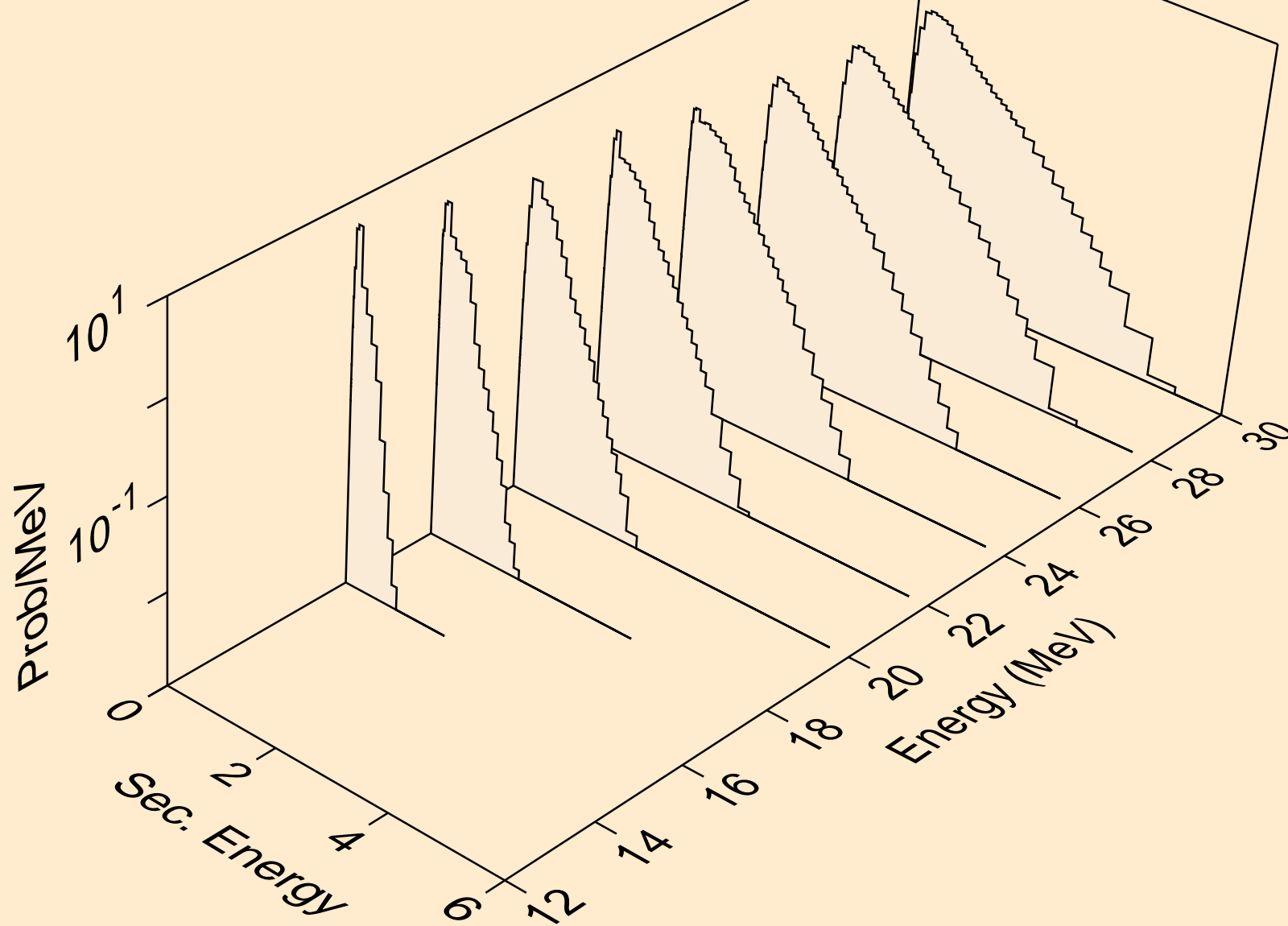
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



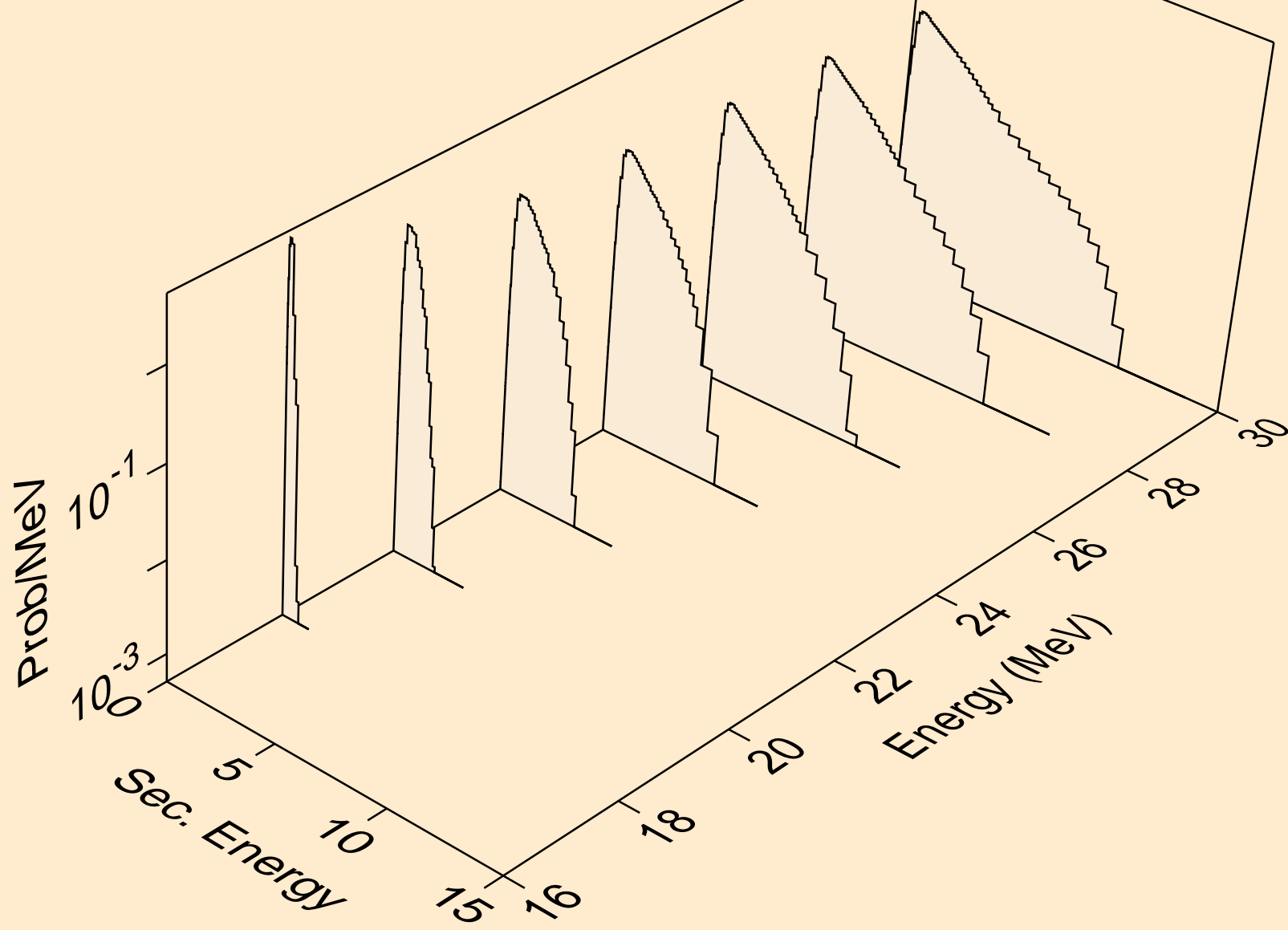
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



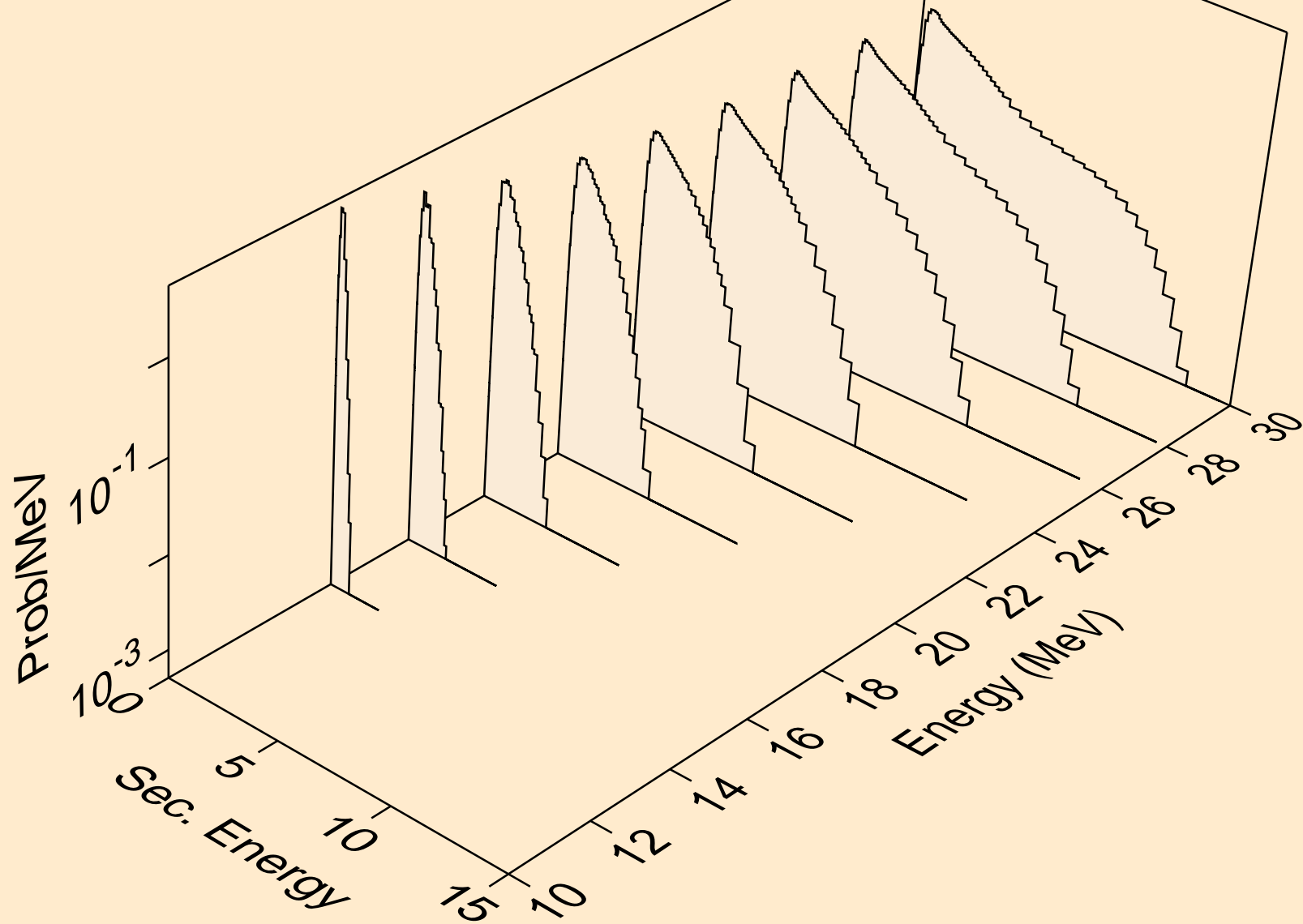
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)

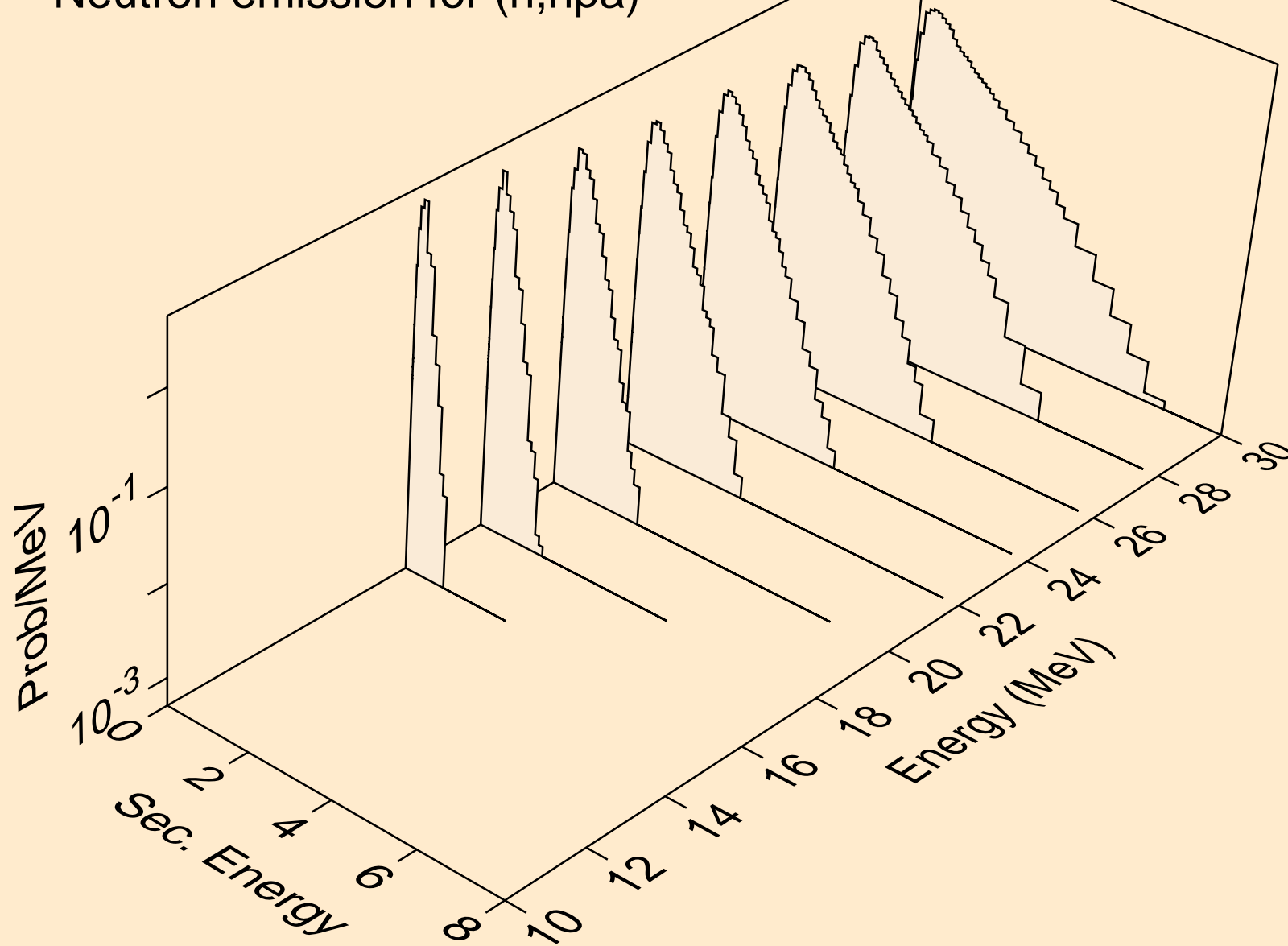


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Neutron emission for (n,2np)

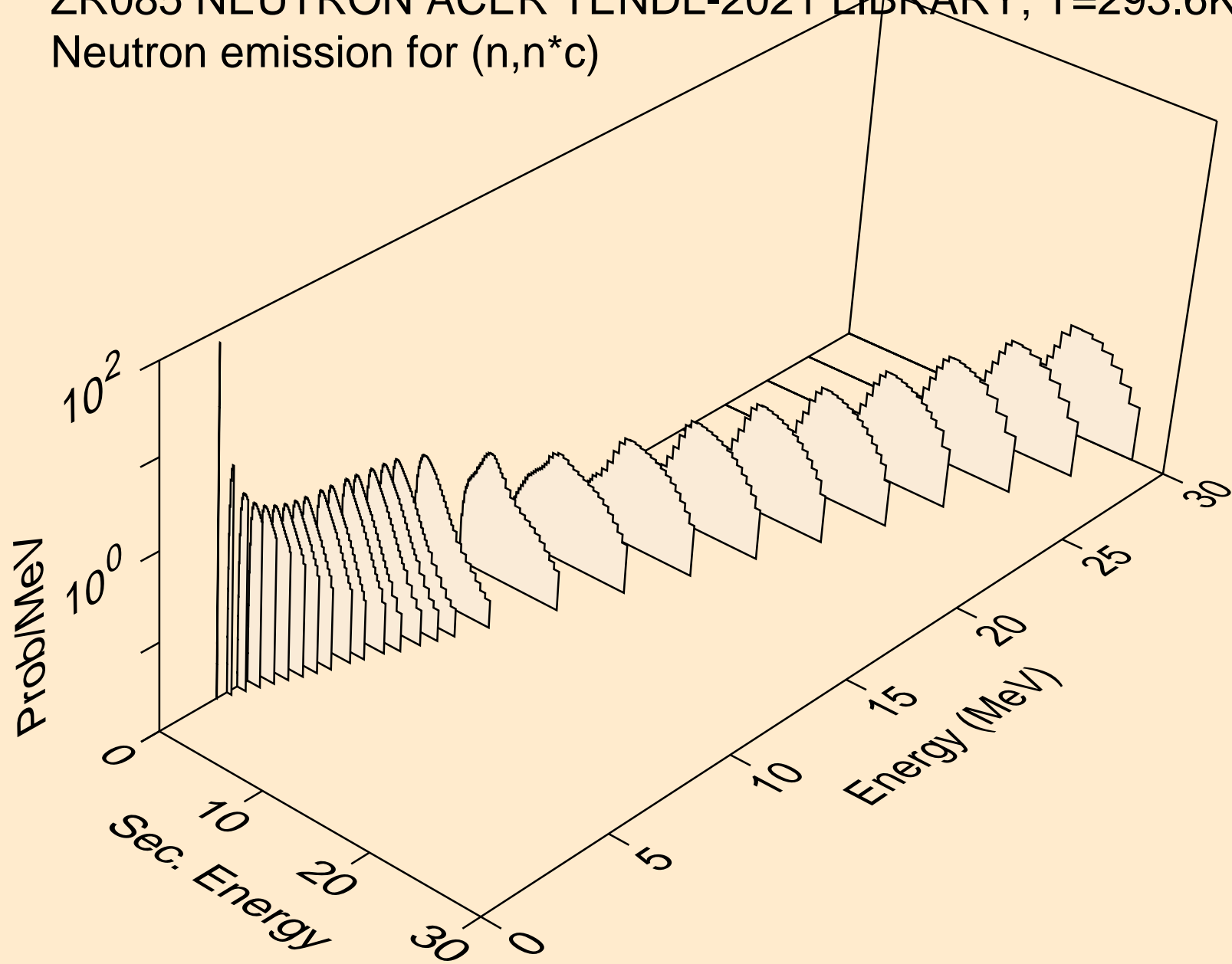




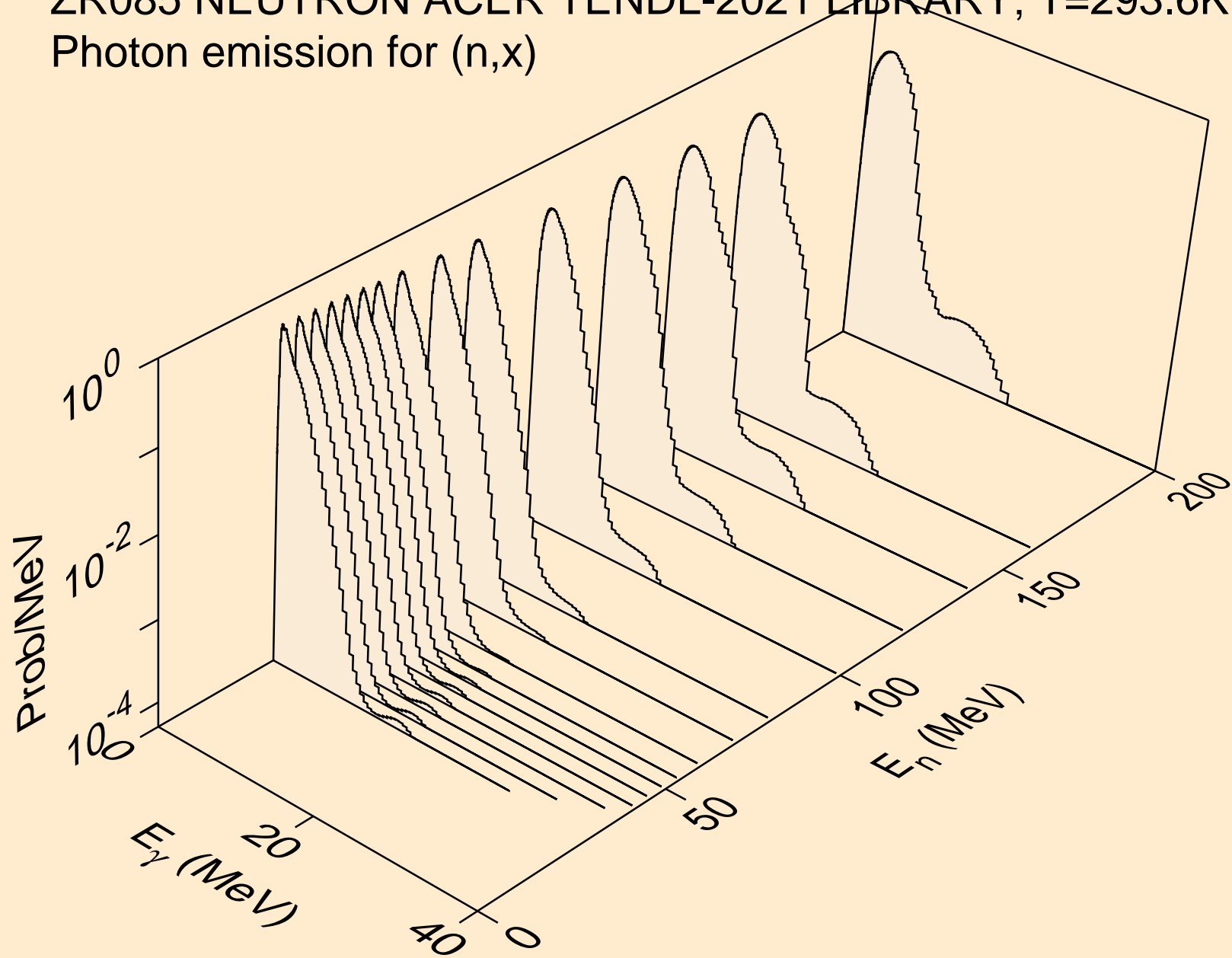
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Neutron emission for (n,npa)



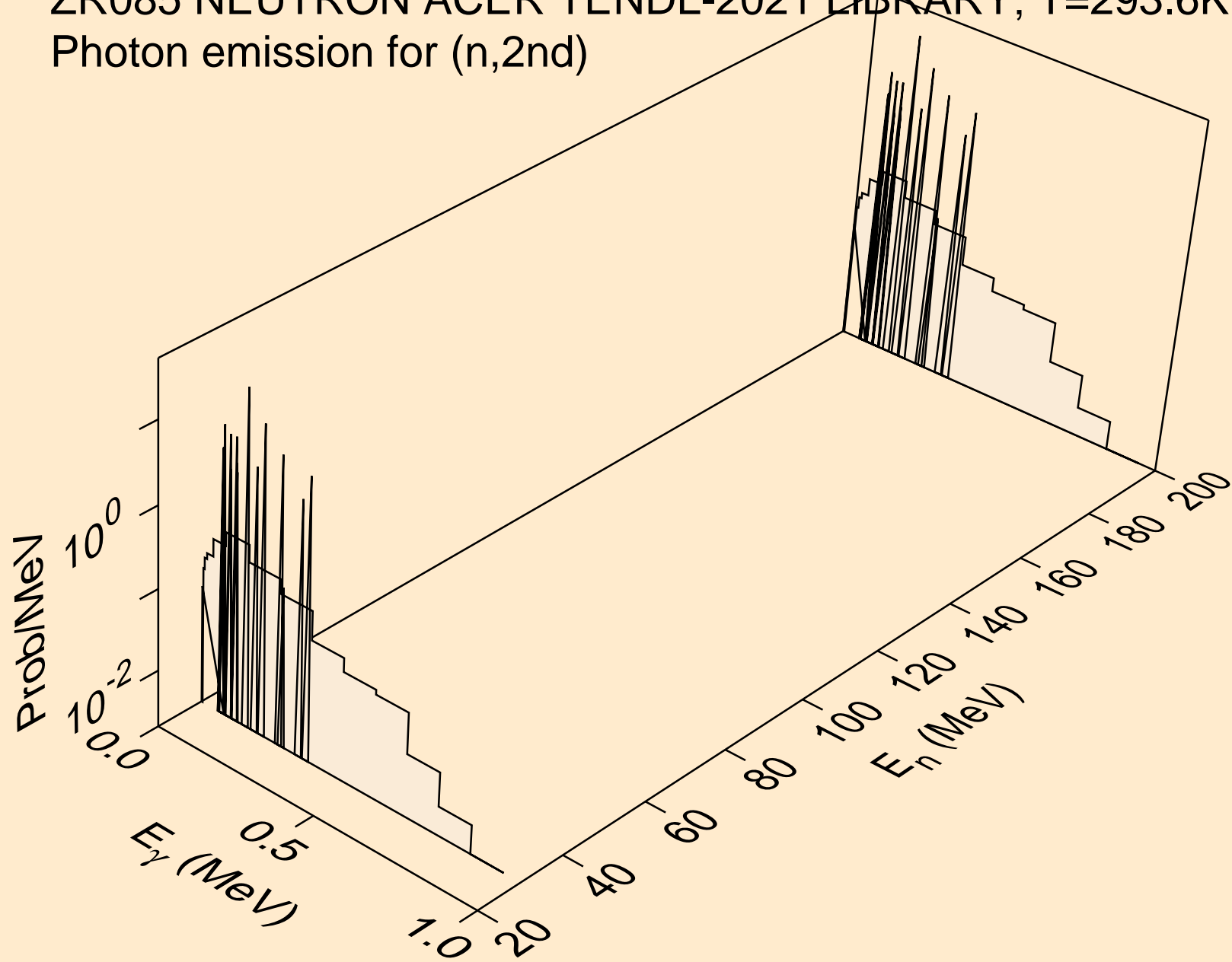
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Neutron emission for (n,n\*c)



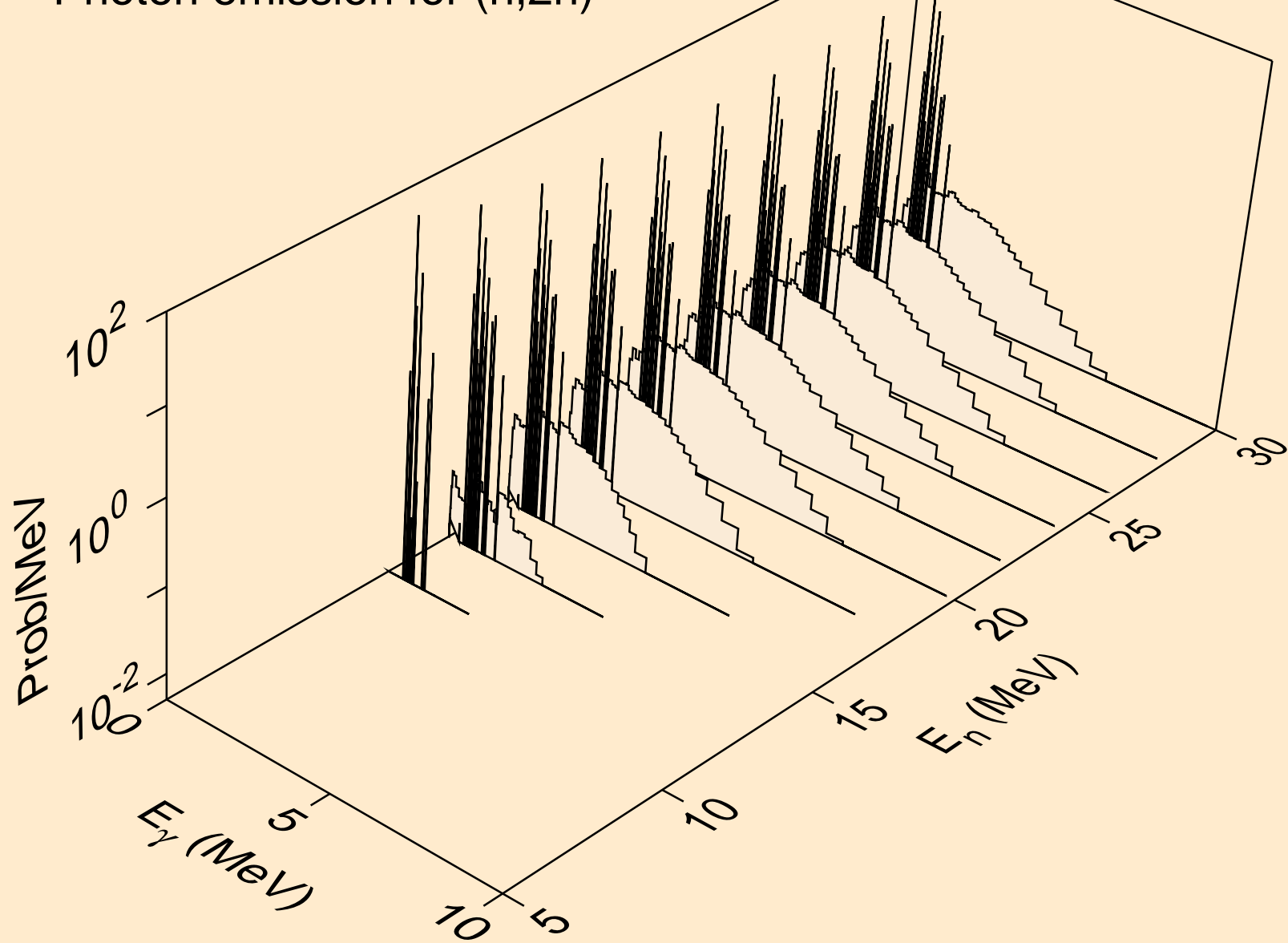
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Photon emission for (n,x)



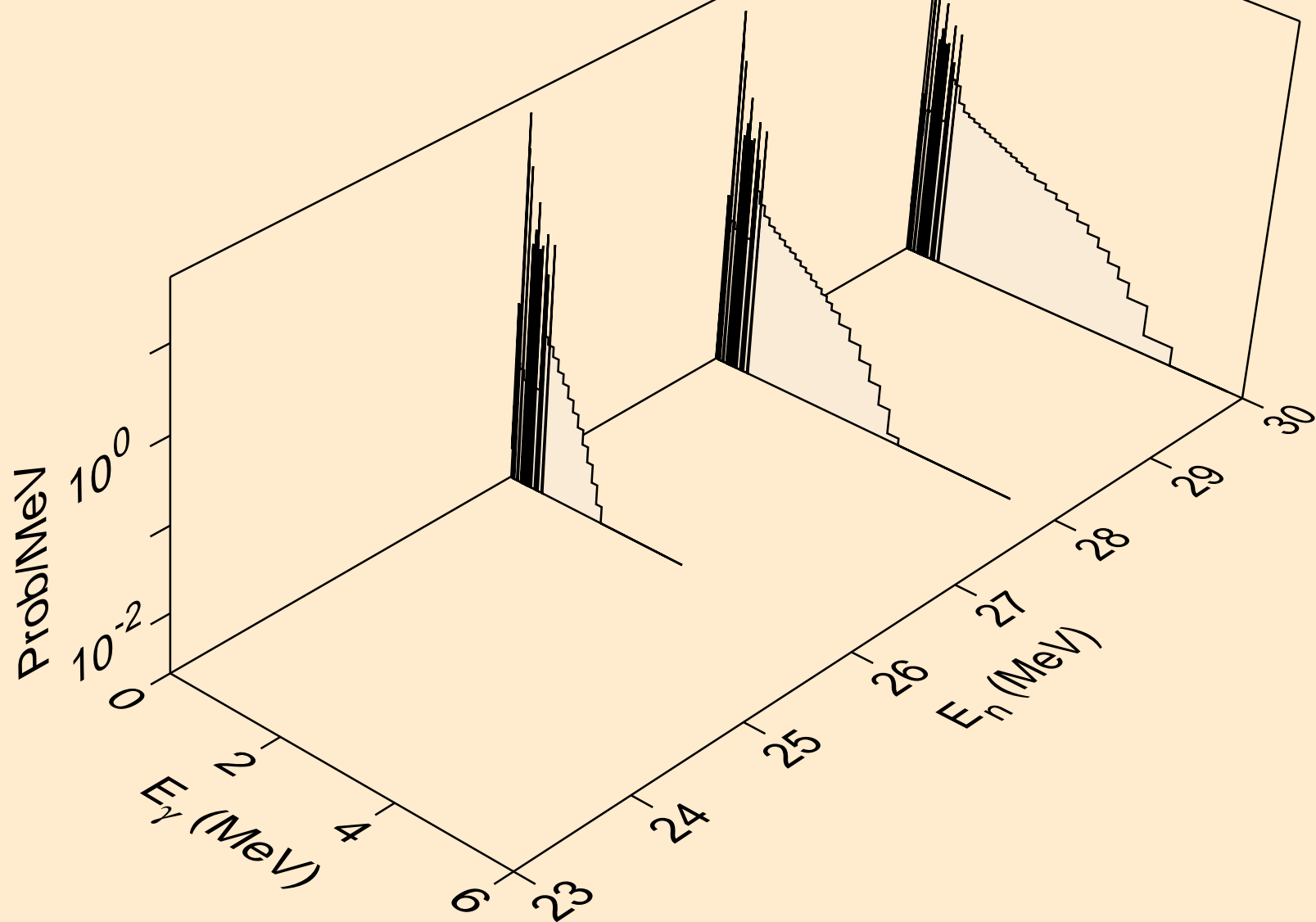
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Photon emission for (n,2nd)



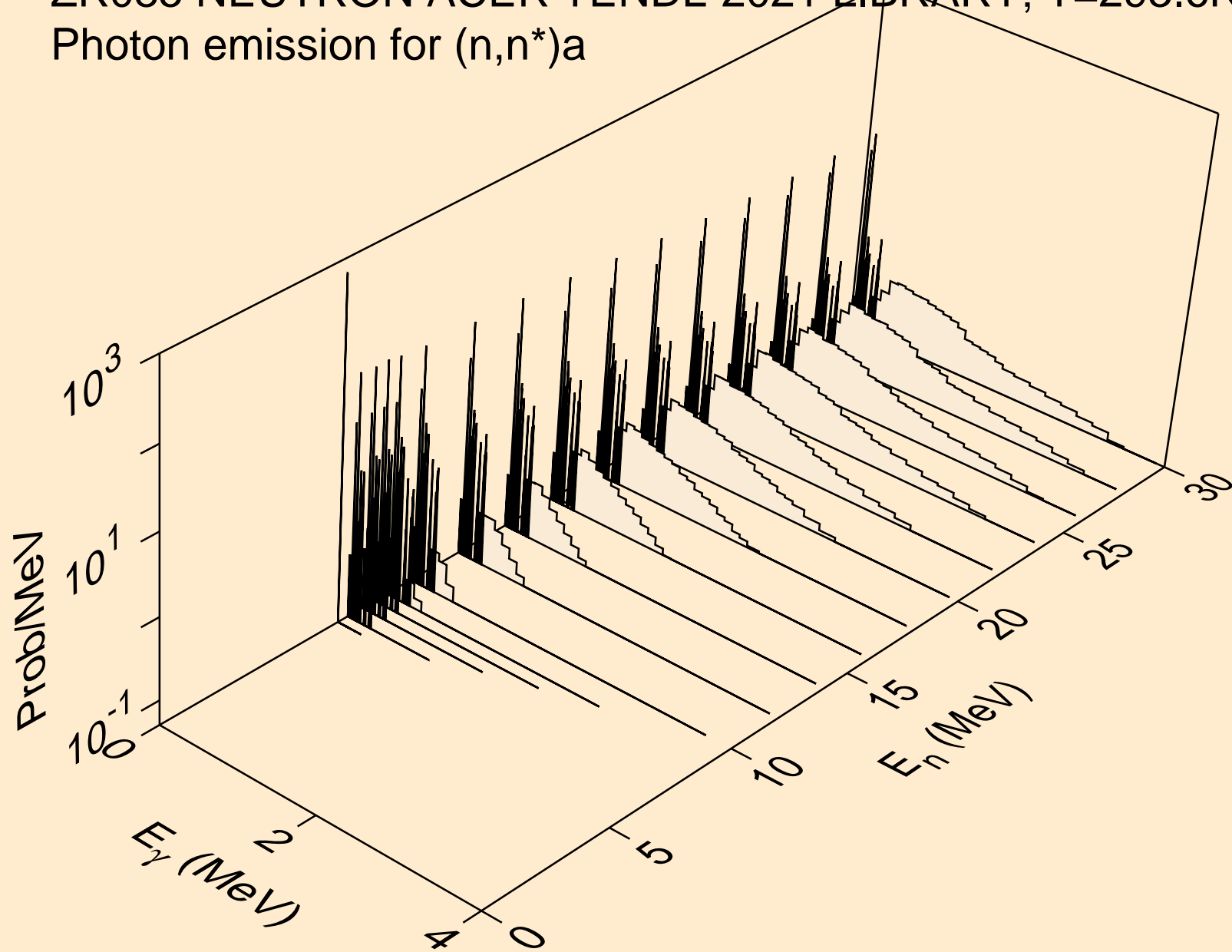
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Photon emission for (n,2n)



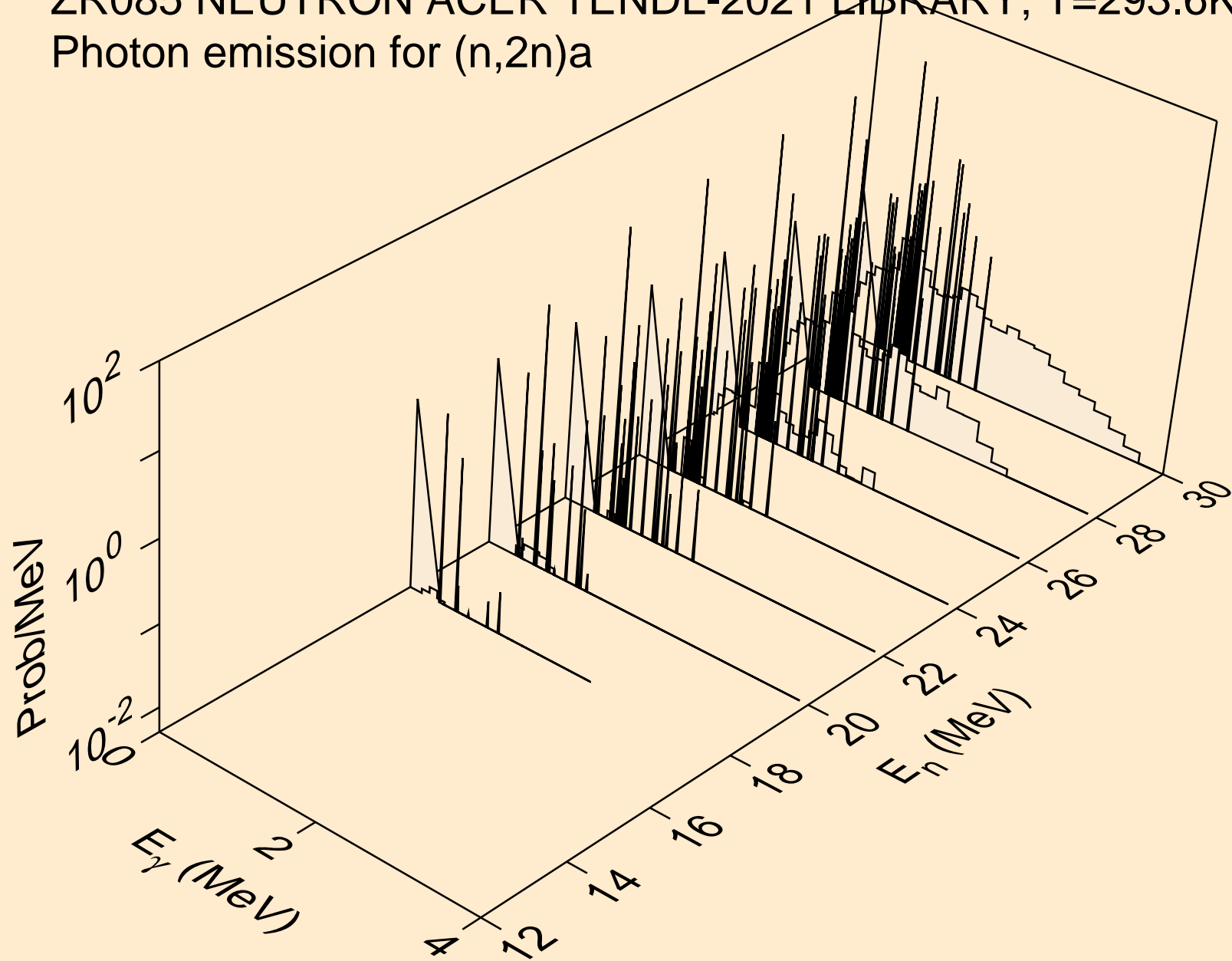
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)



ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a

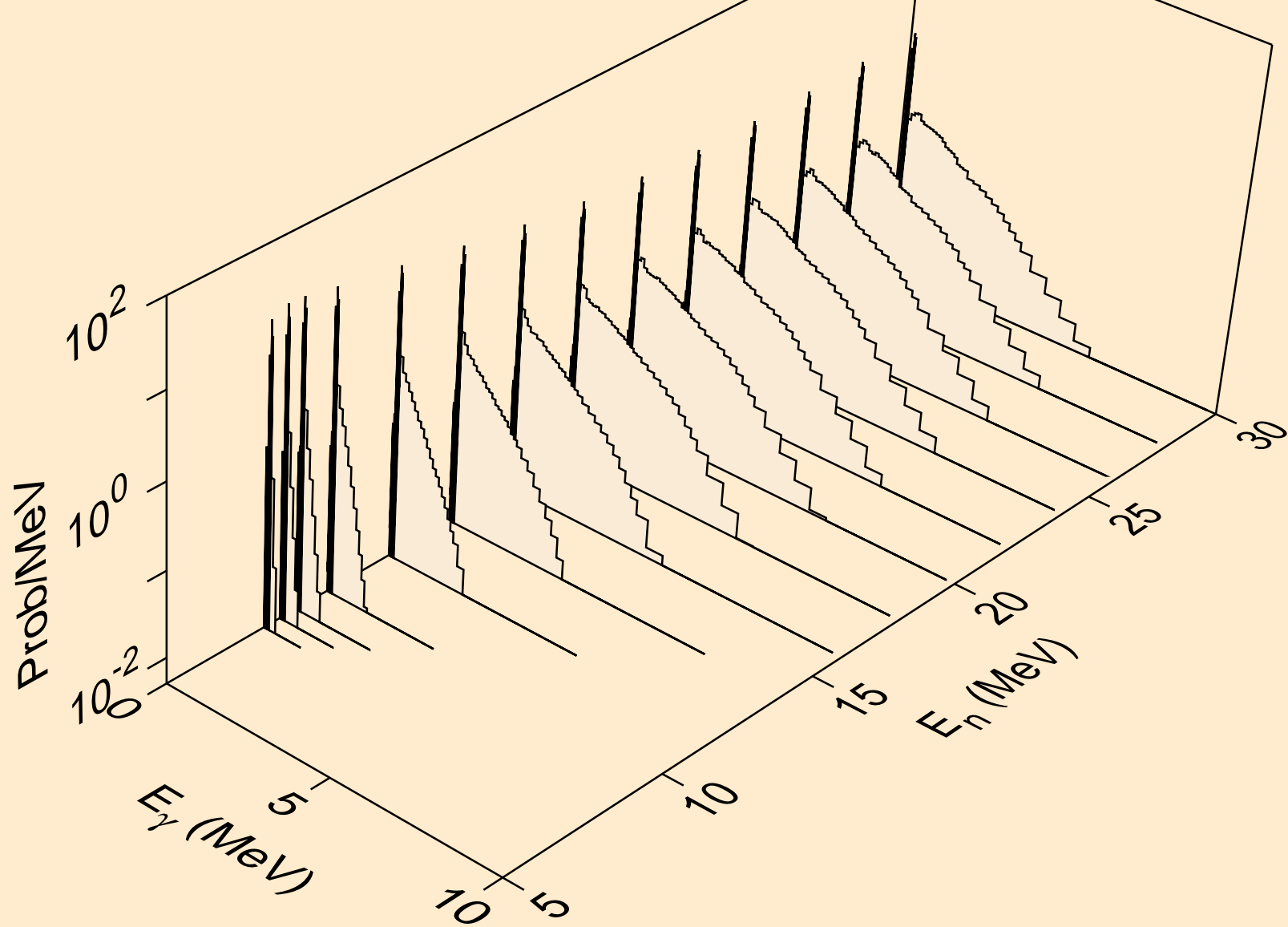


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Photon emission for (n,2n)a

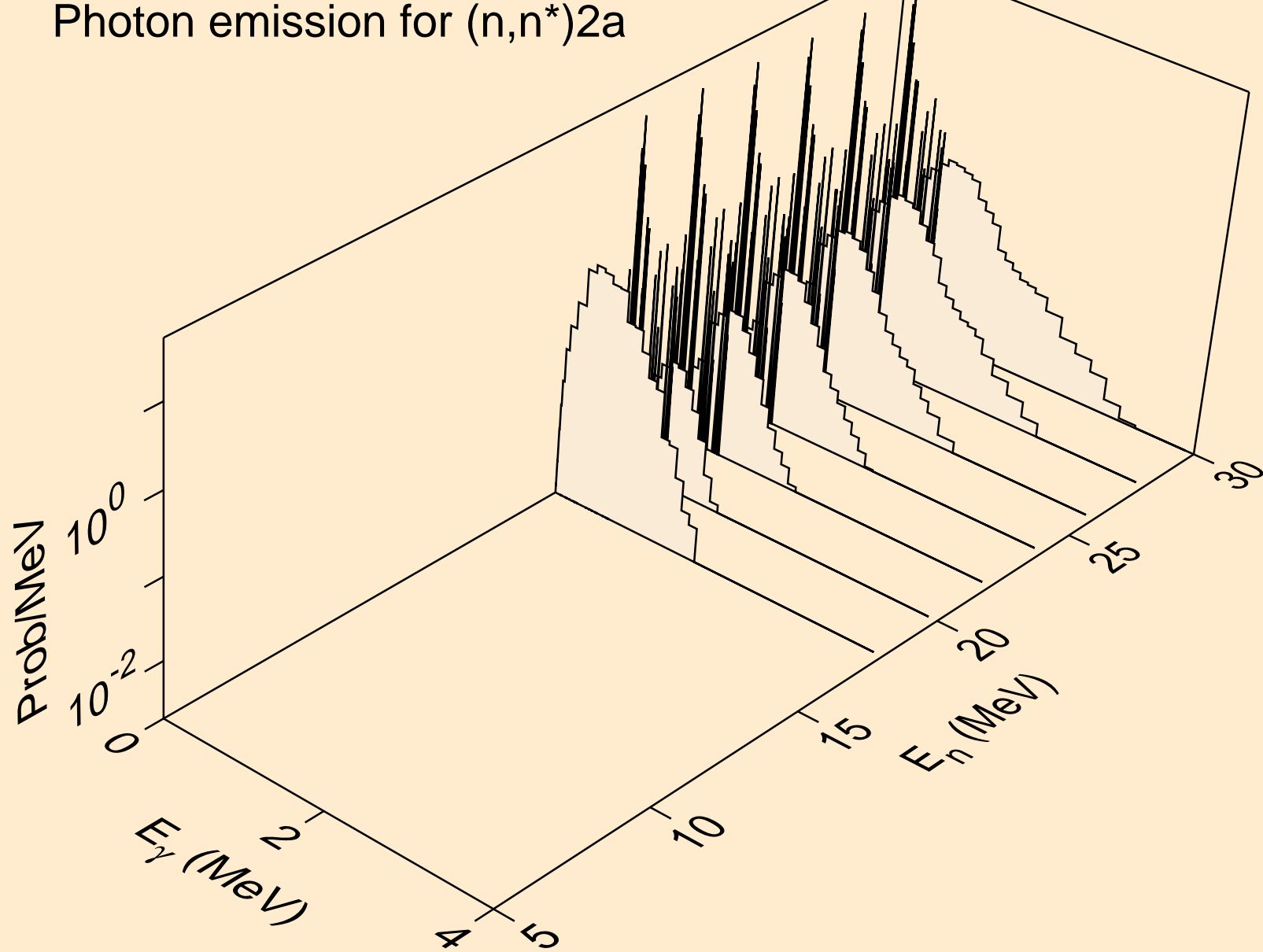




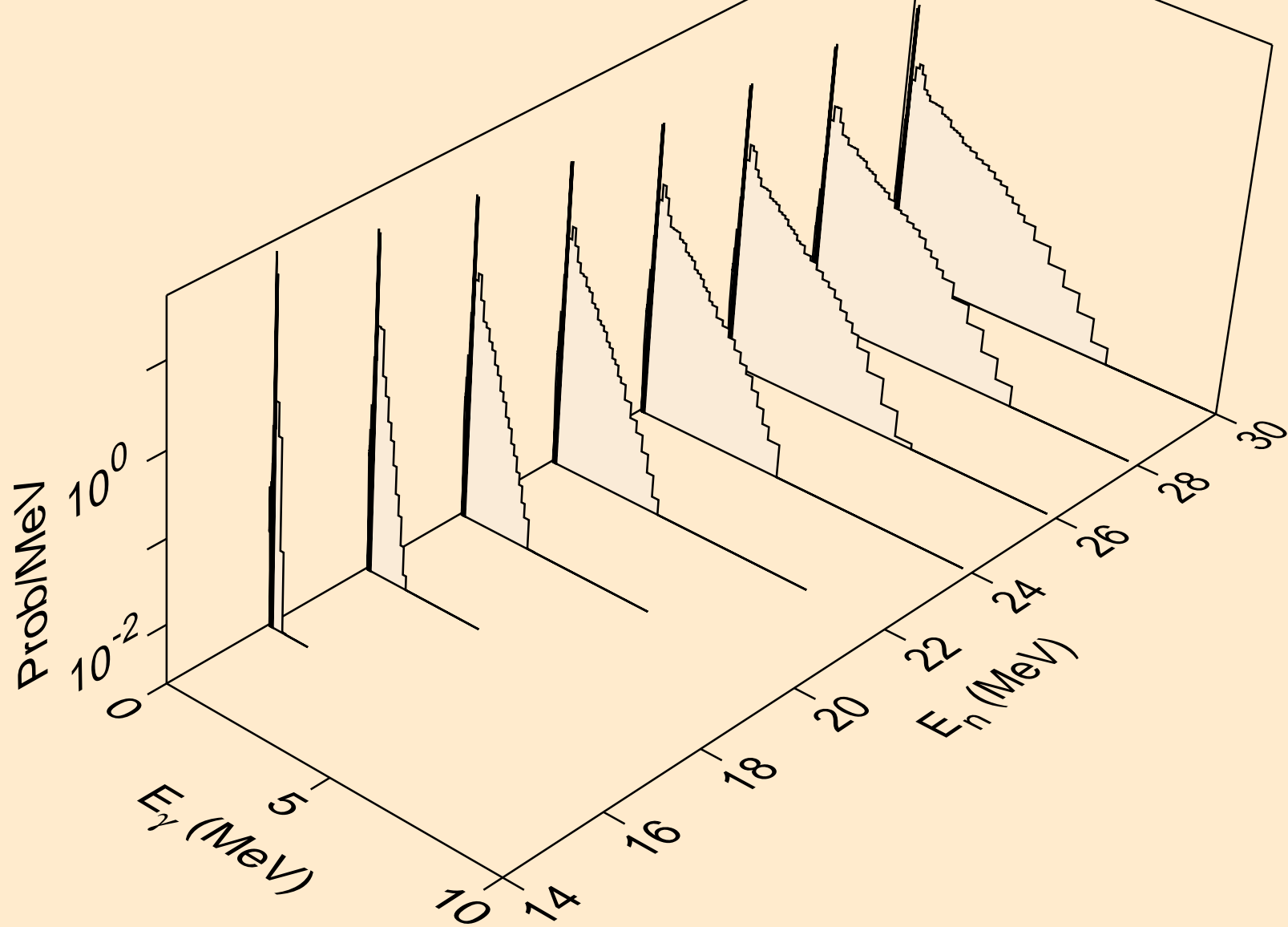
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Photon emission for (n,n\*)p



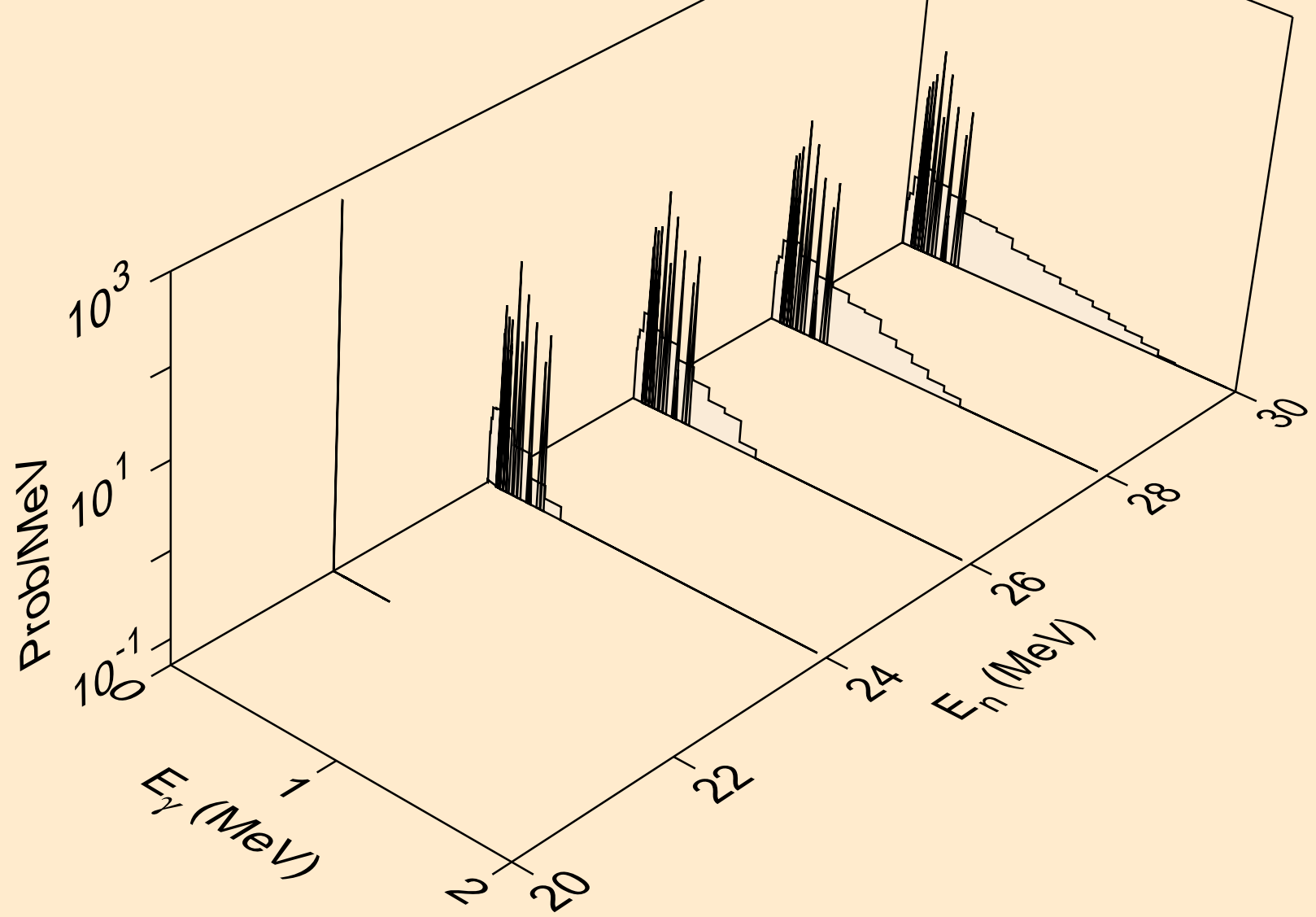
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Photon emission for (n,n\*)2a



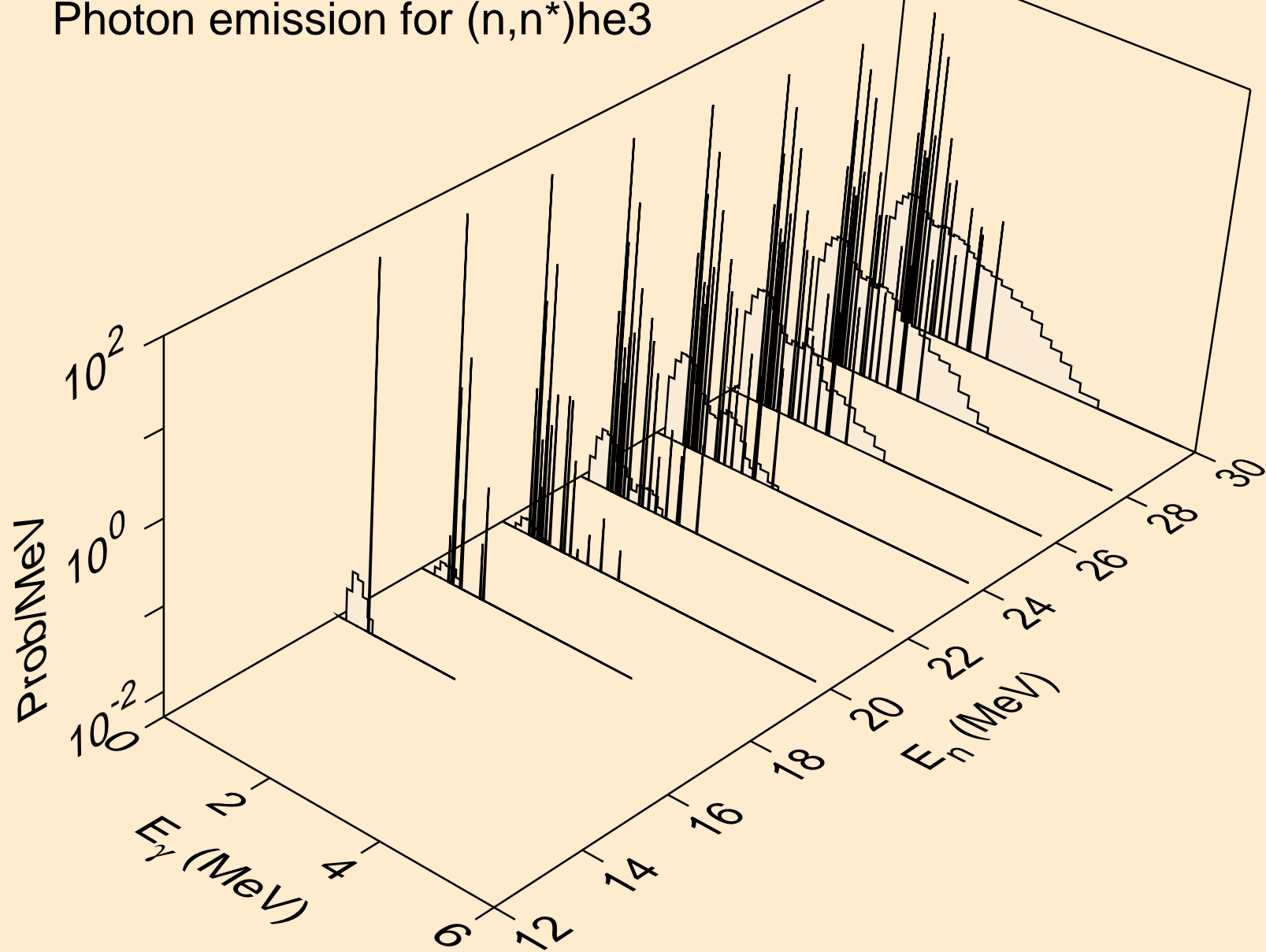
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Photon emission for (n,n\*)d



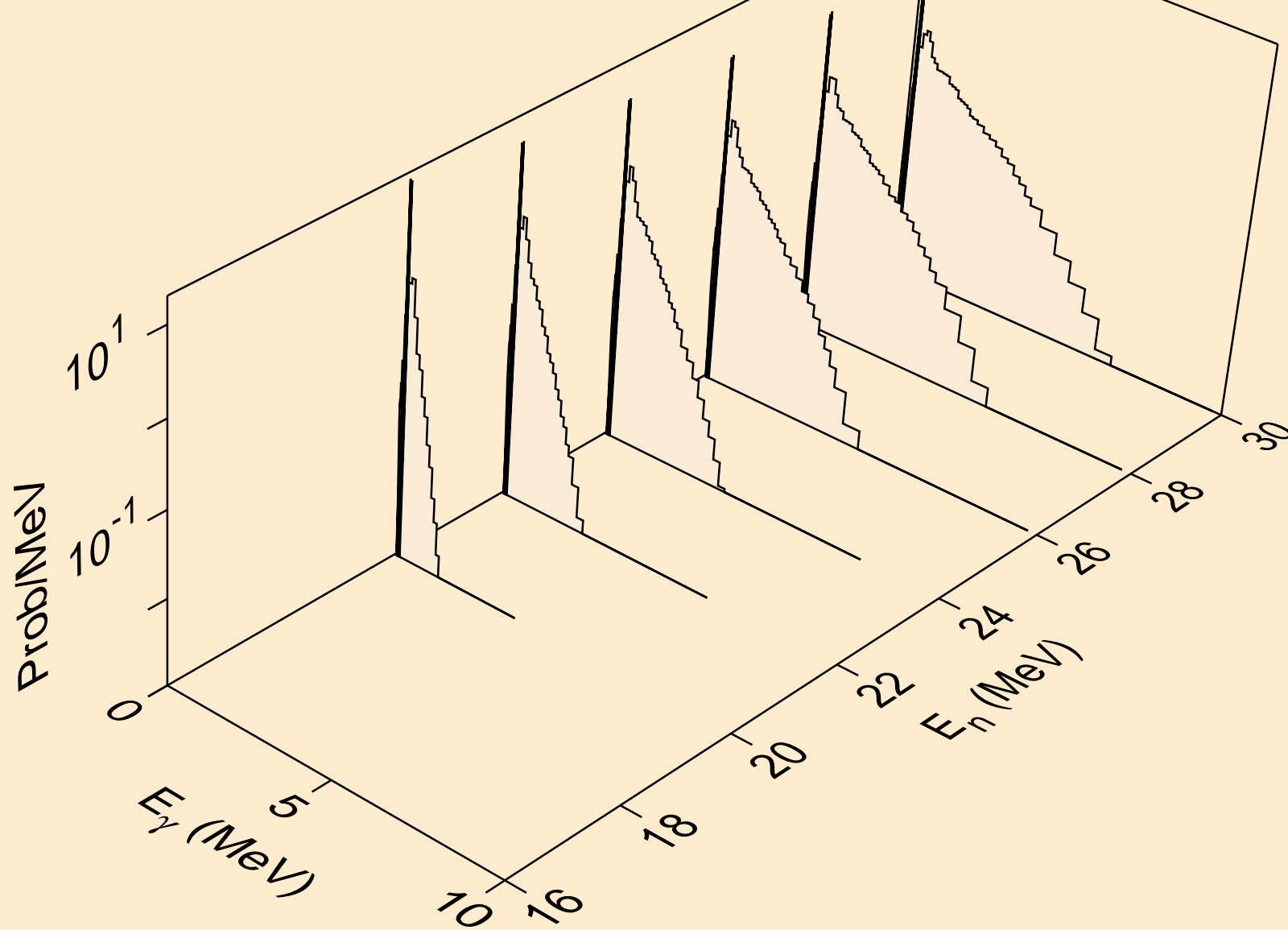
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Photon emission for (n,n\*)t



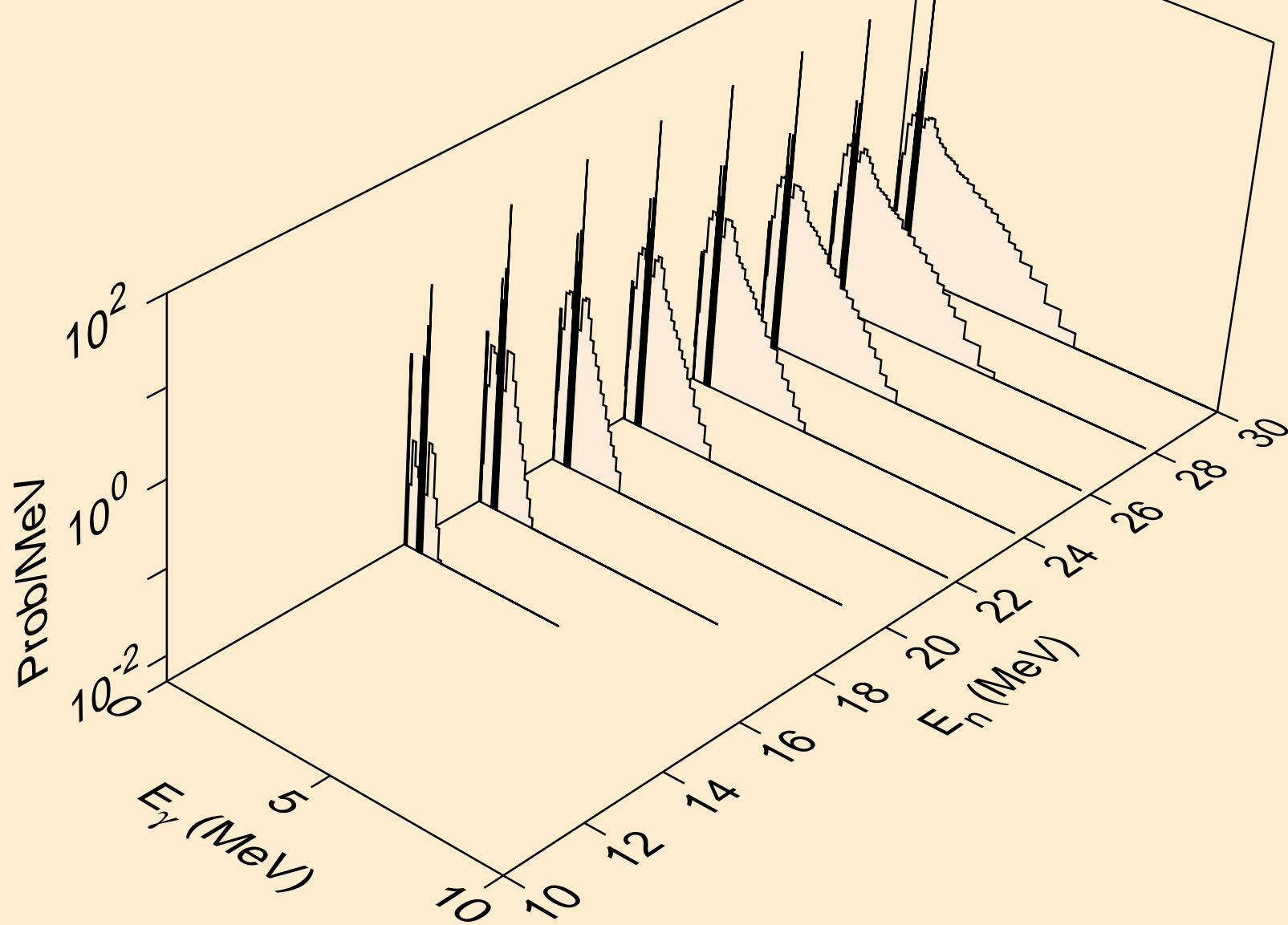
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Photon emission for (n,n\*)he3



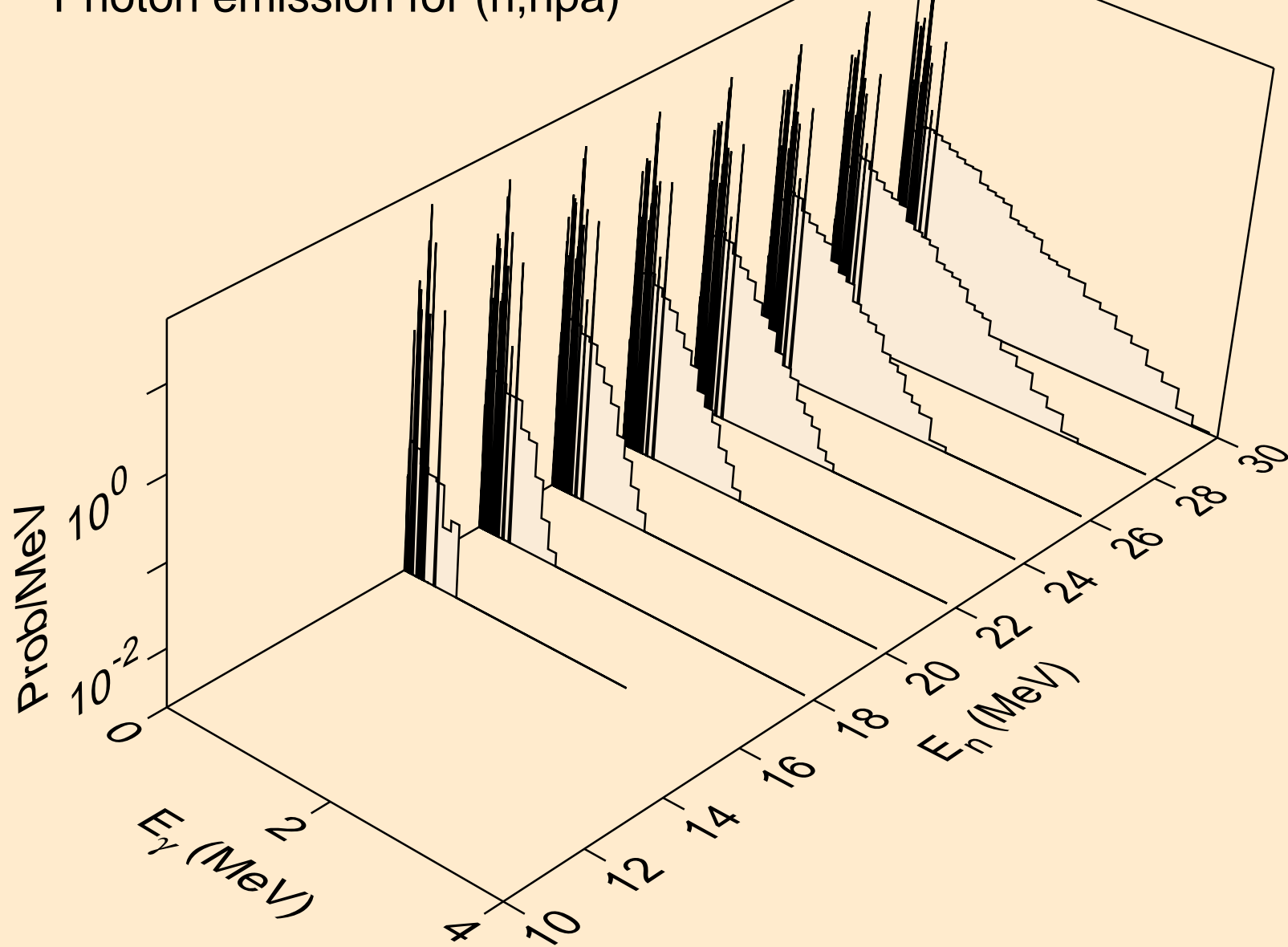
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)

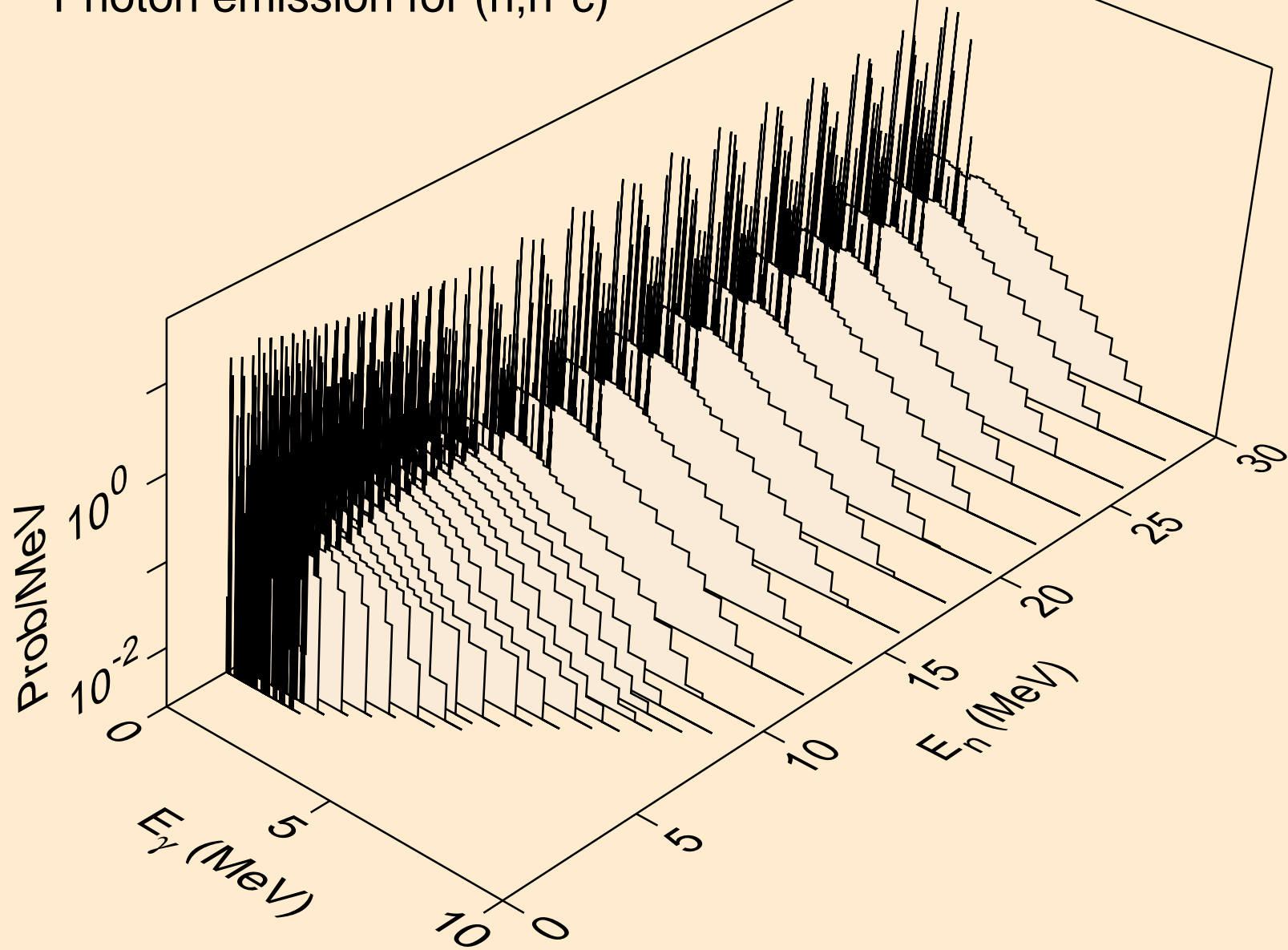


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Photon emission for (n,npa)

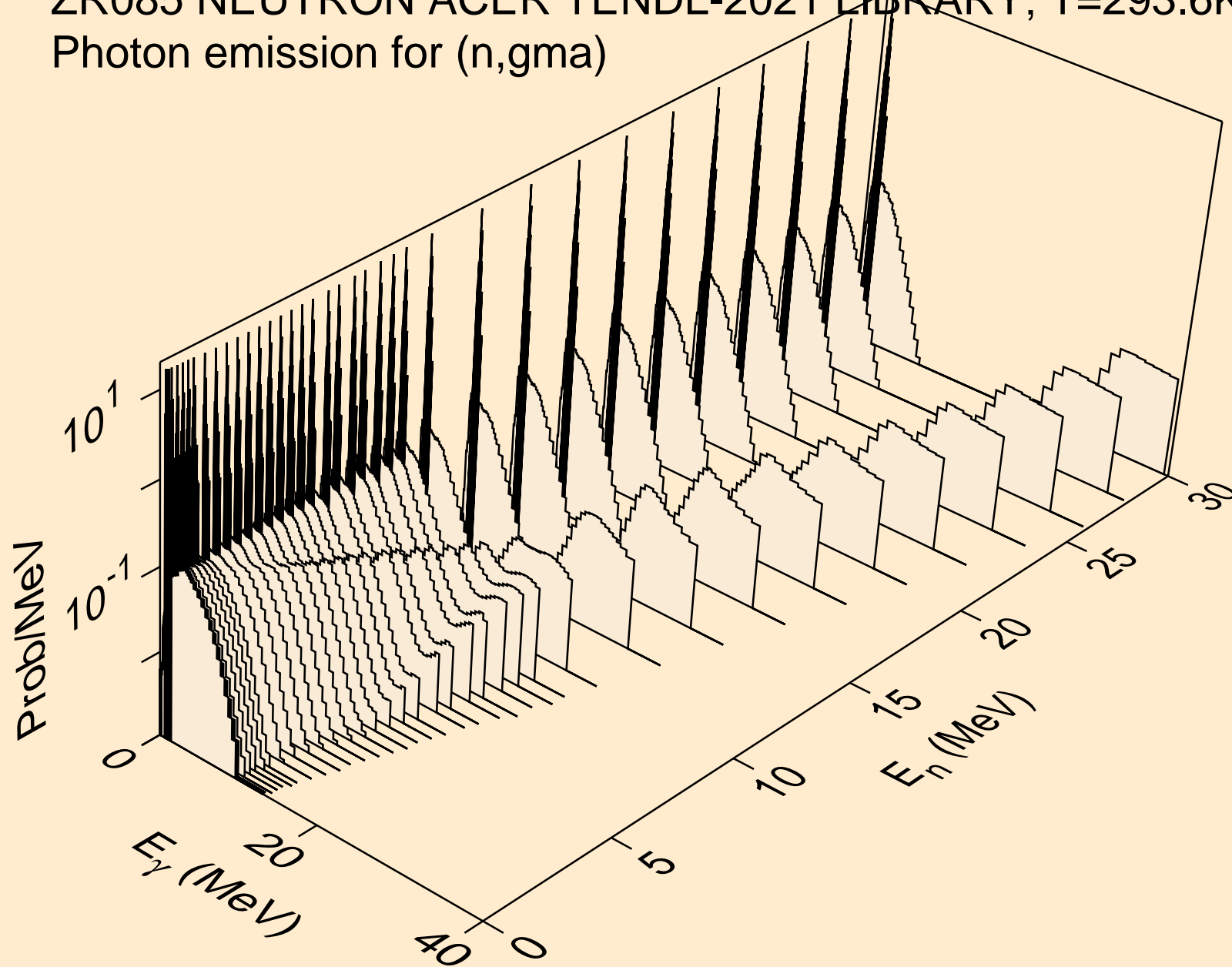




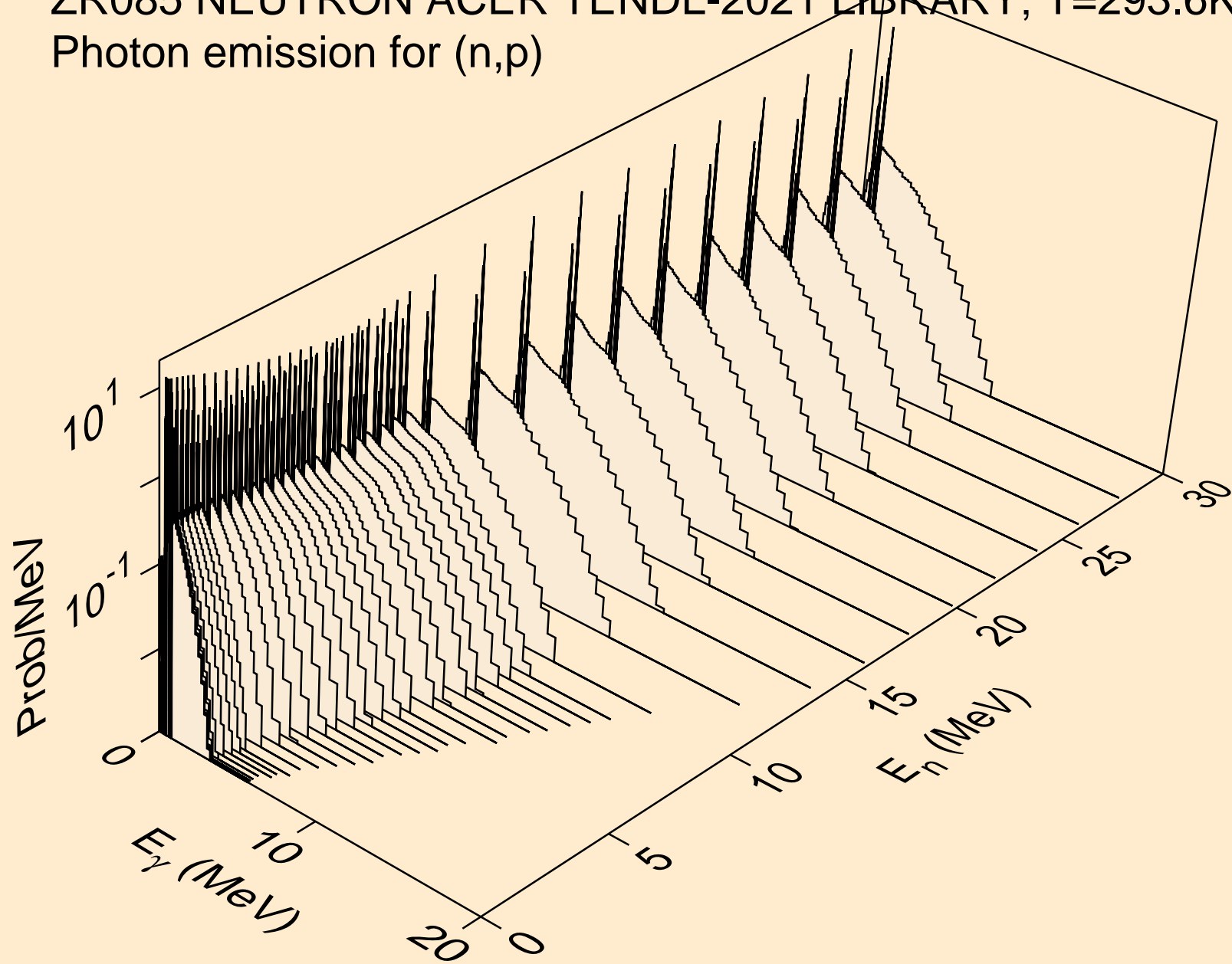
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Photon emission for (n,n\*c)



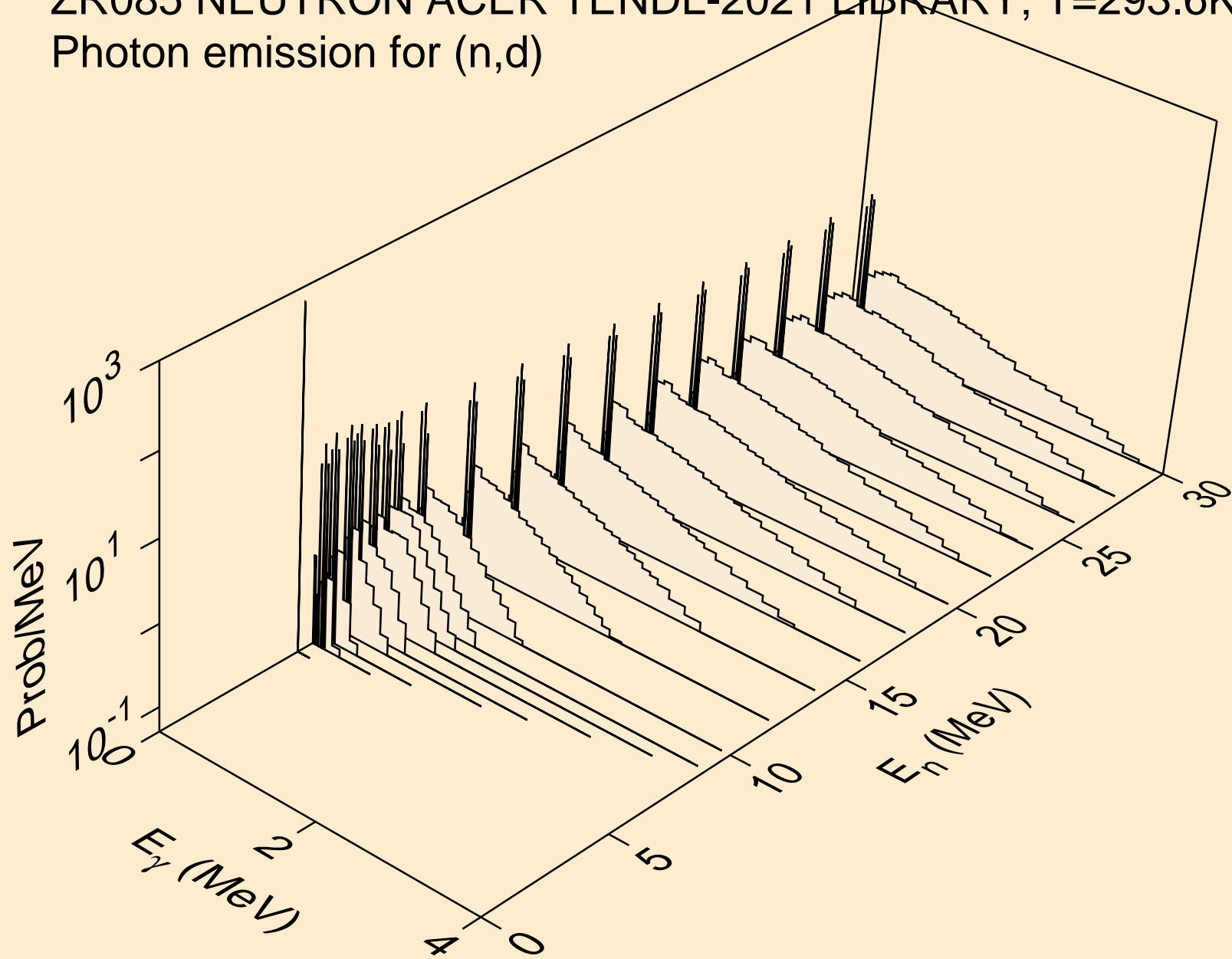
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Photon emission for (n,gma)



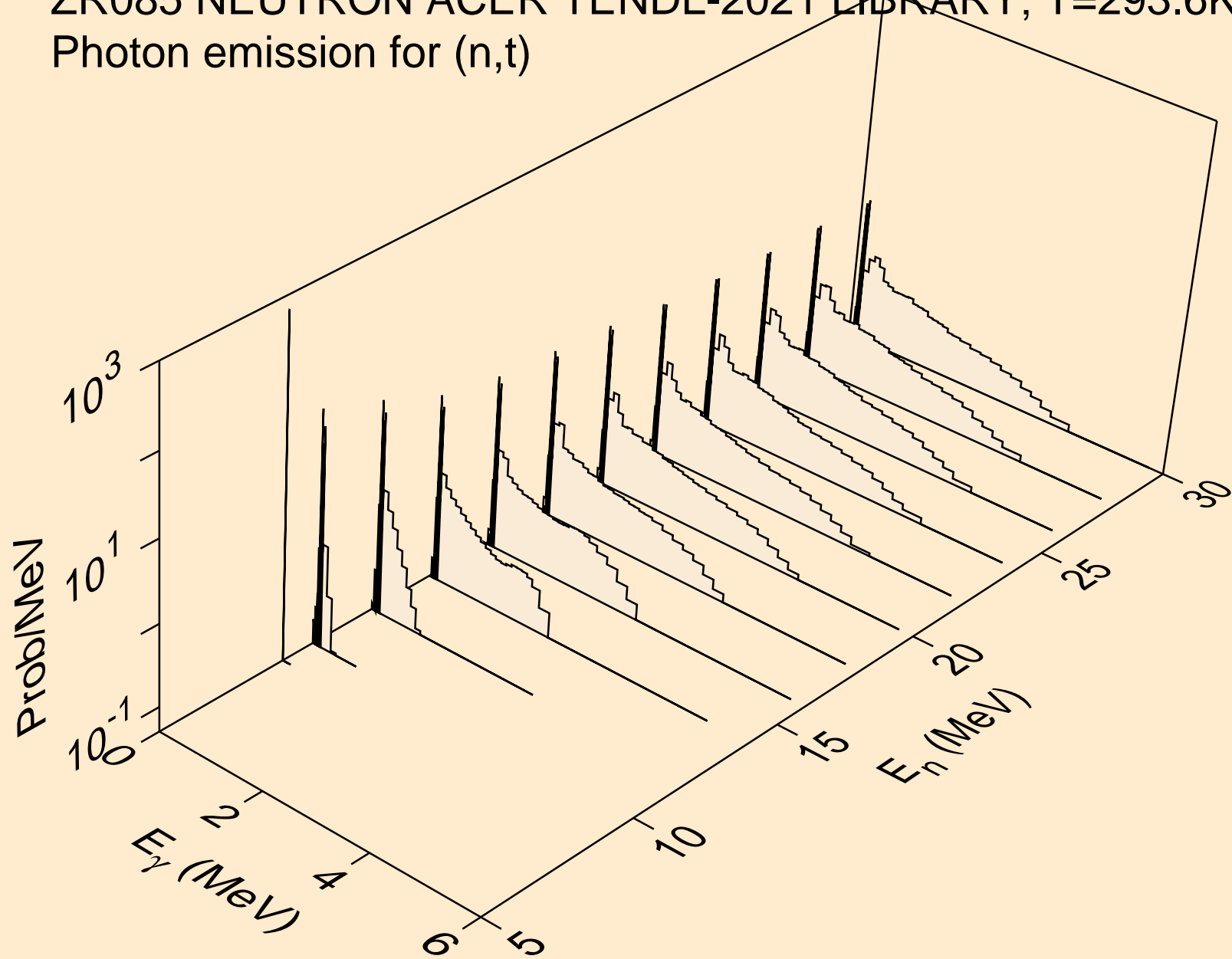
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Photon emission for (n,p)



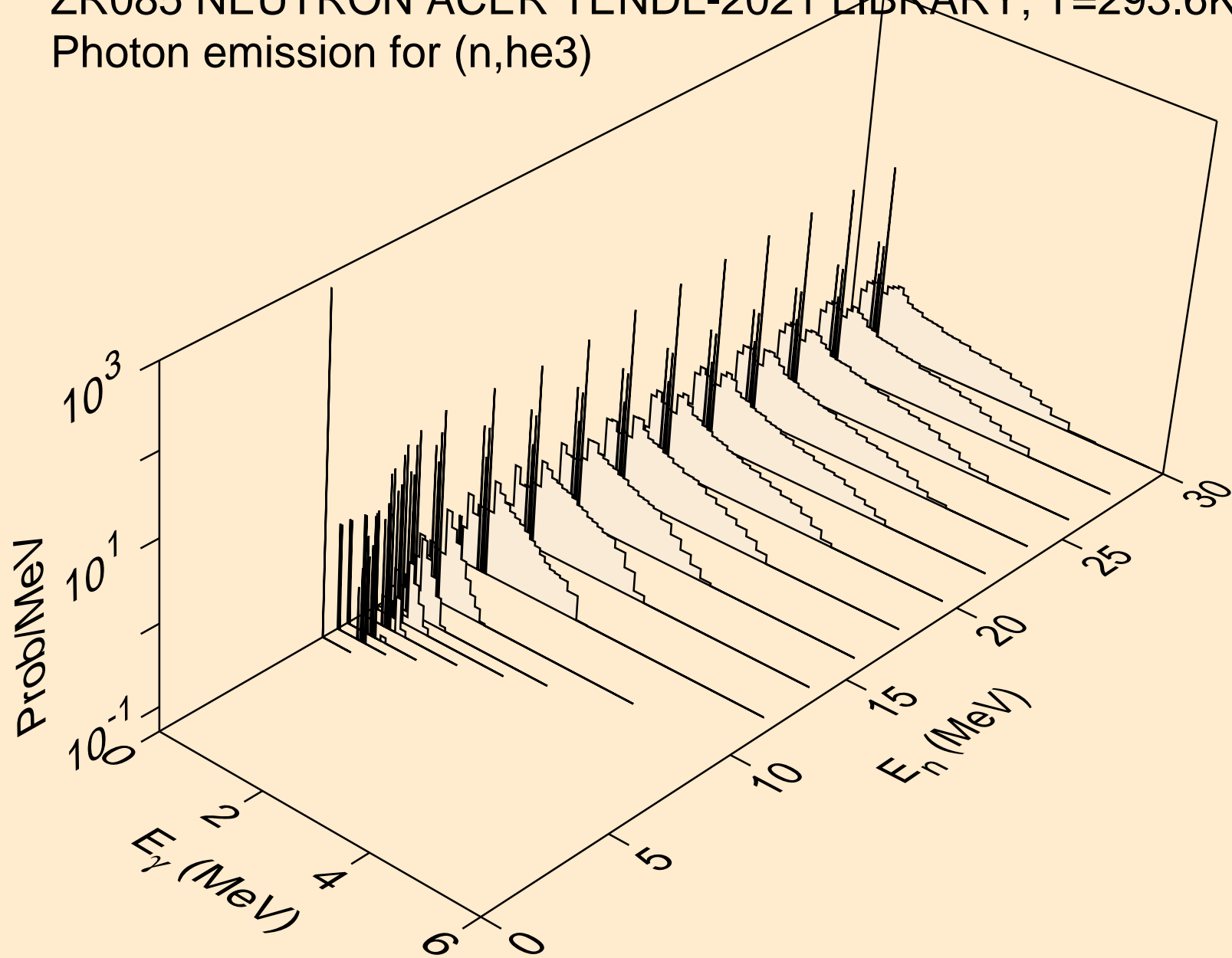
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Photon emission for (n,d)



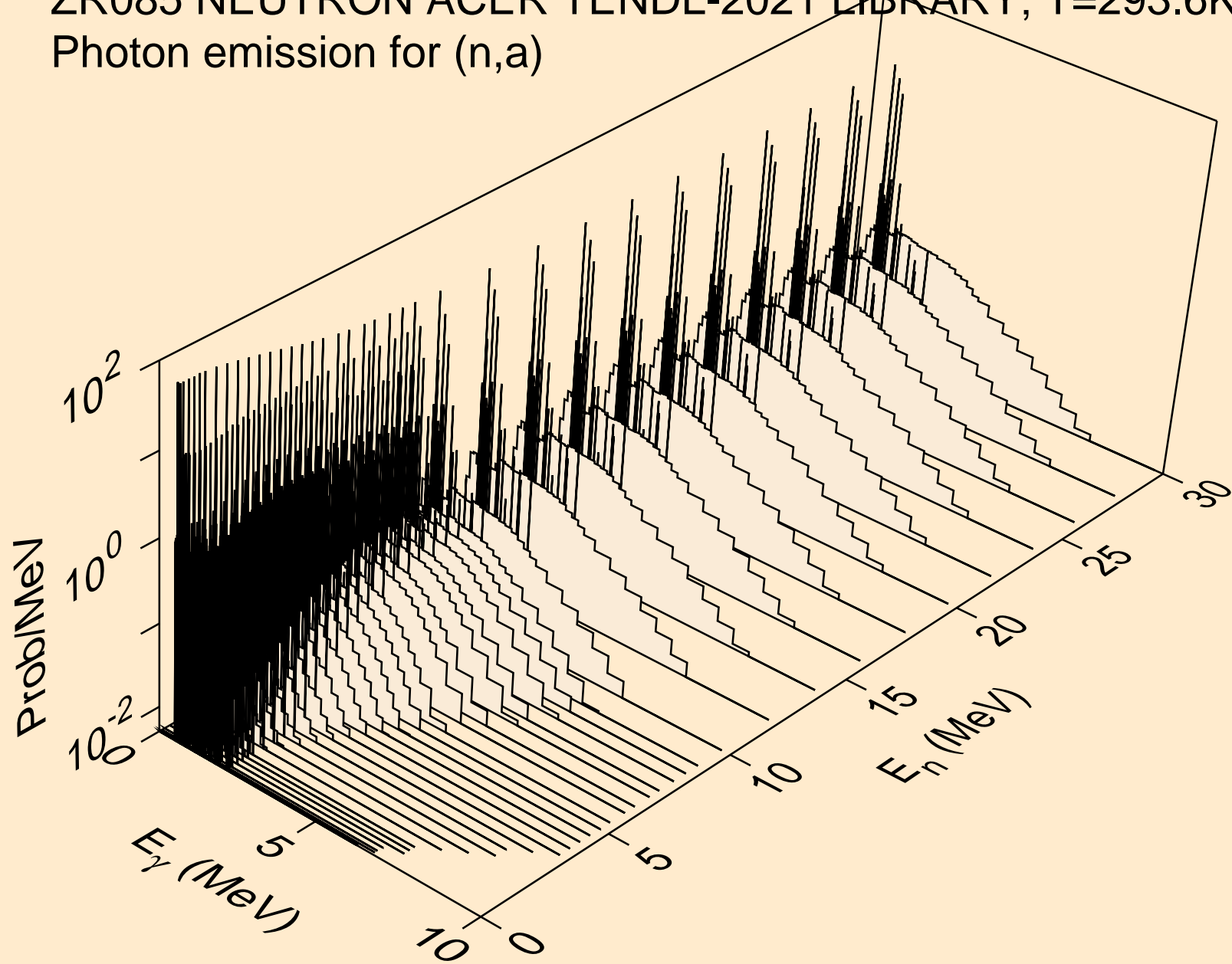
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Photon emission for (n,t)



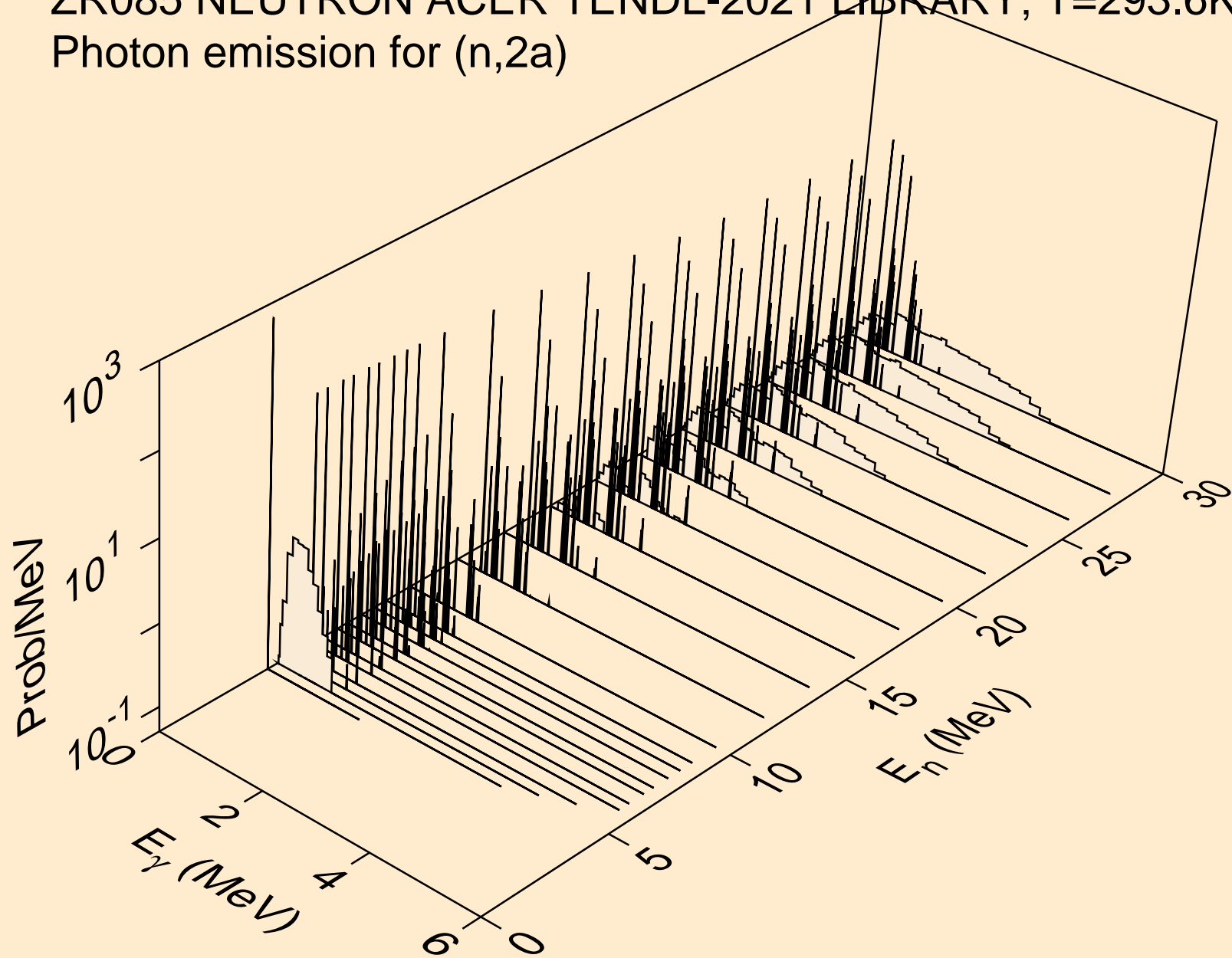
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Photon emission for (n,he3)



ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,a)

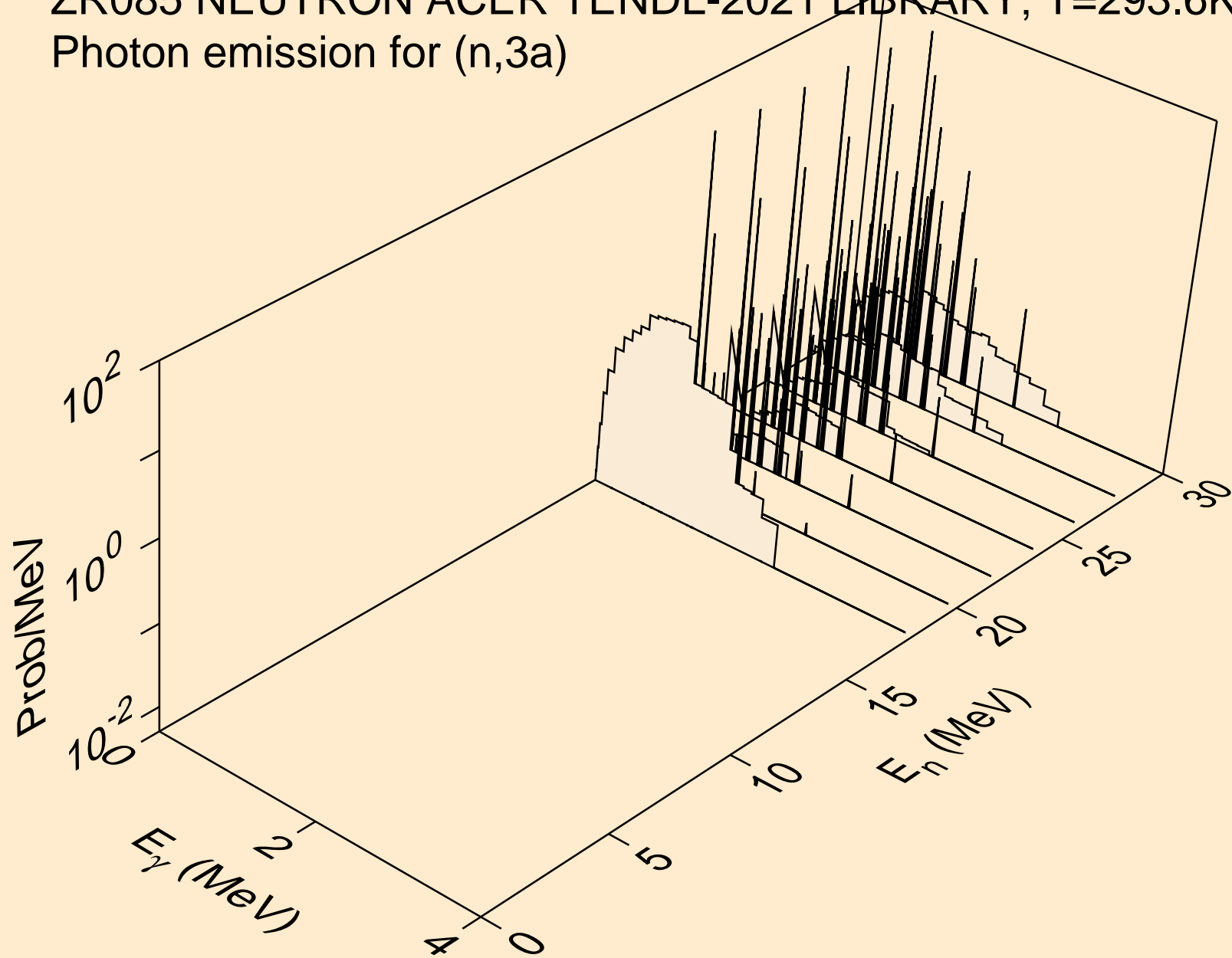


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Photon emission for (n,2a)

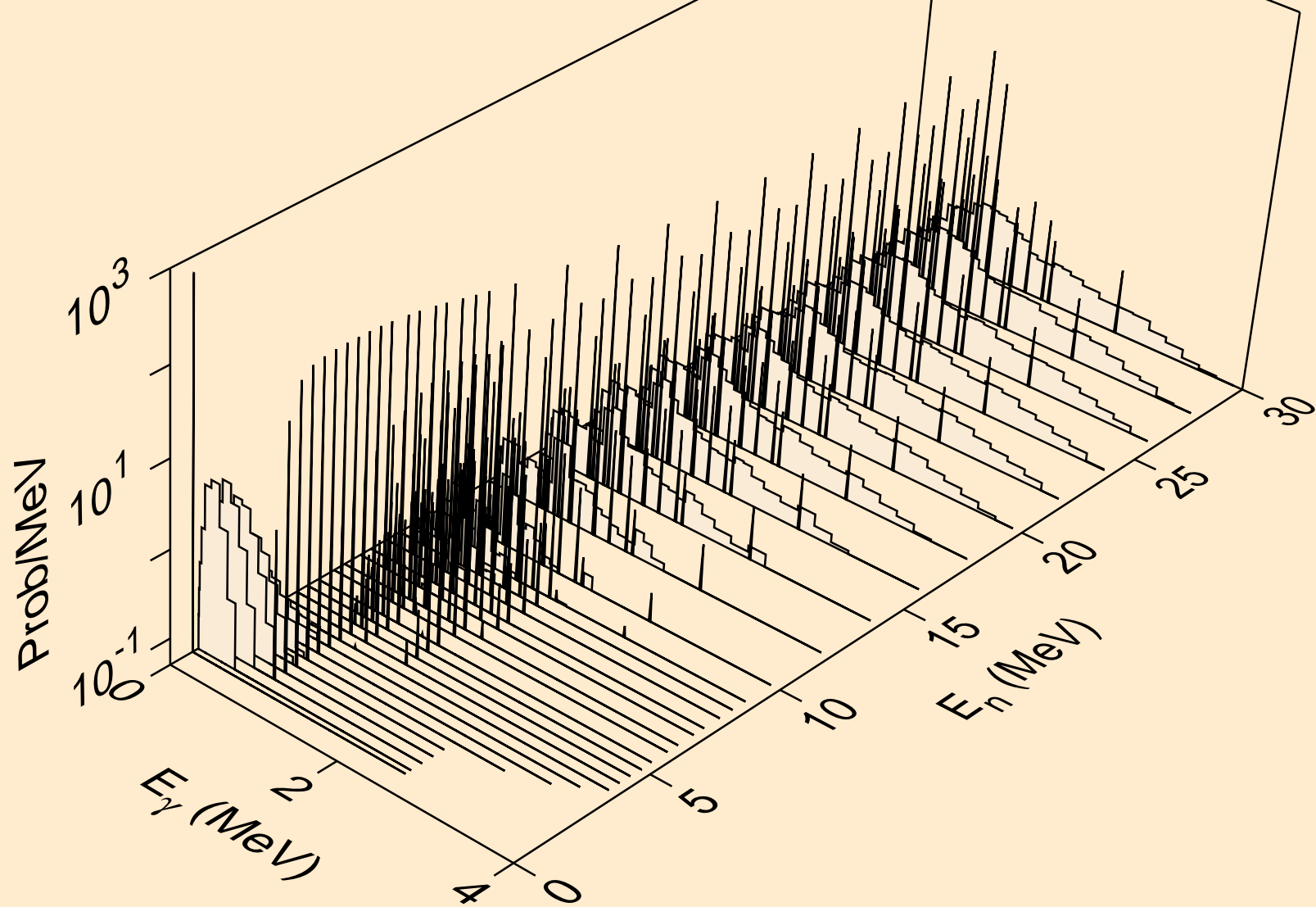




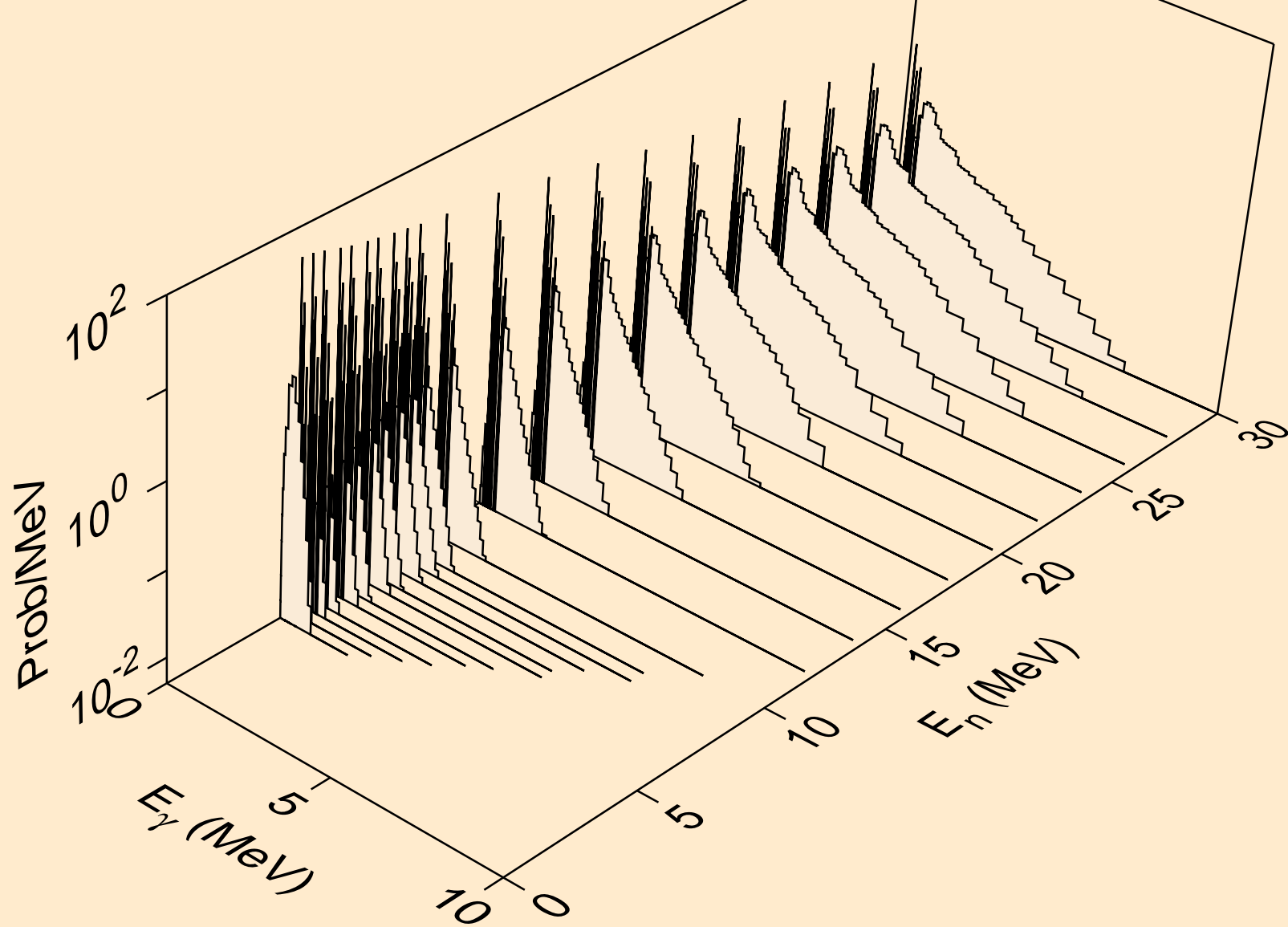
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Photon emission for (n,3a)



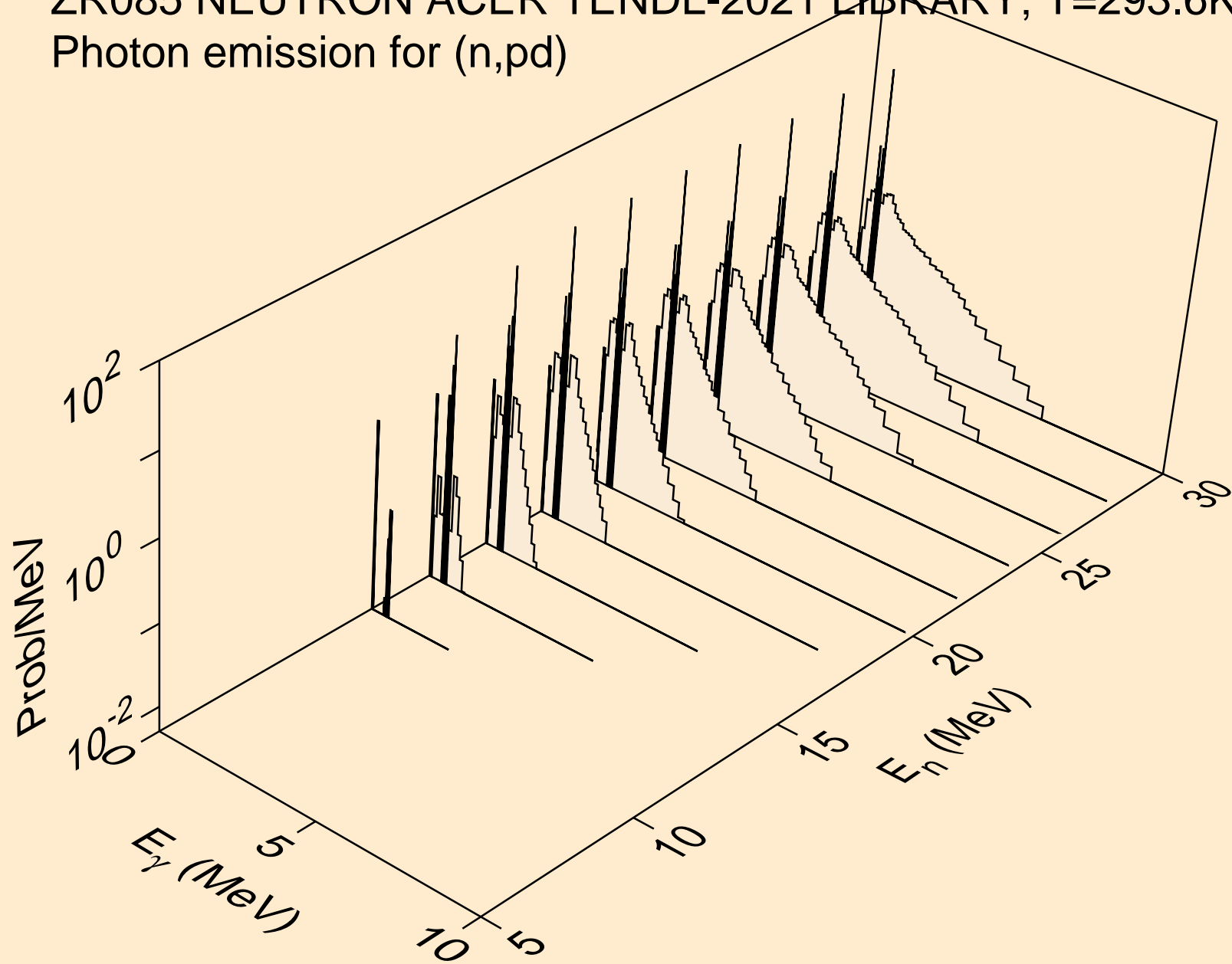
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Photon emission for (n,2p)



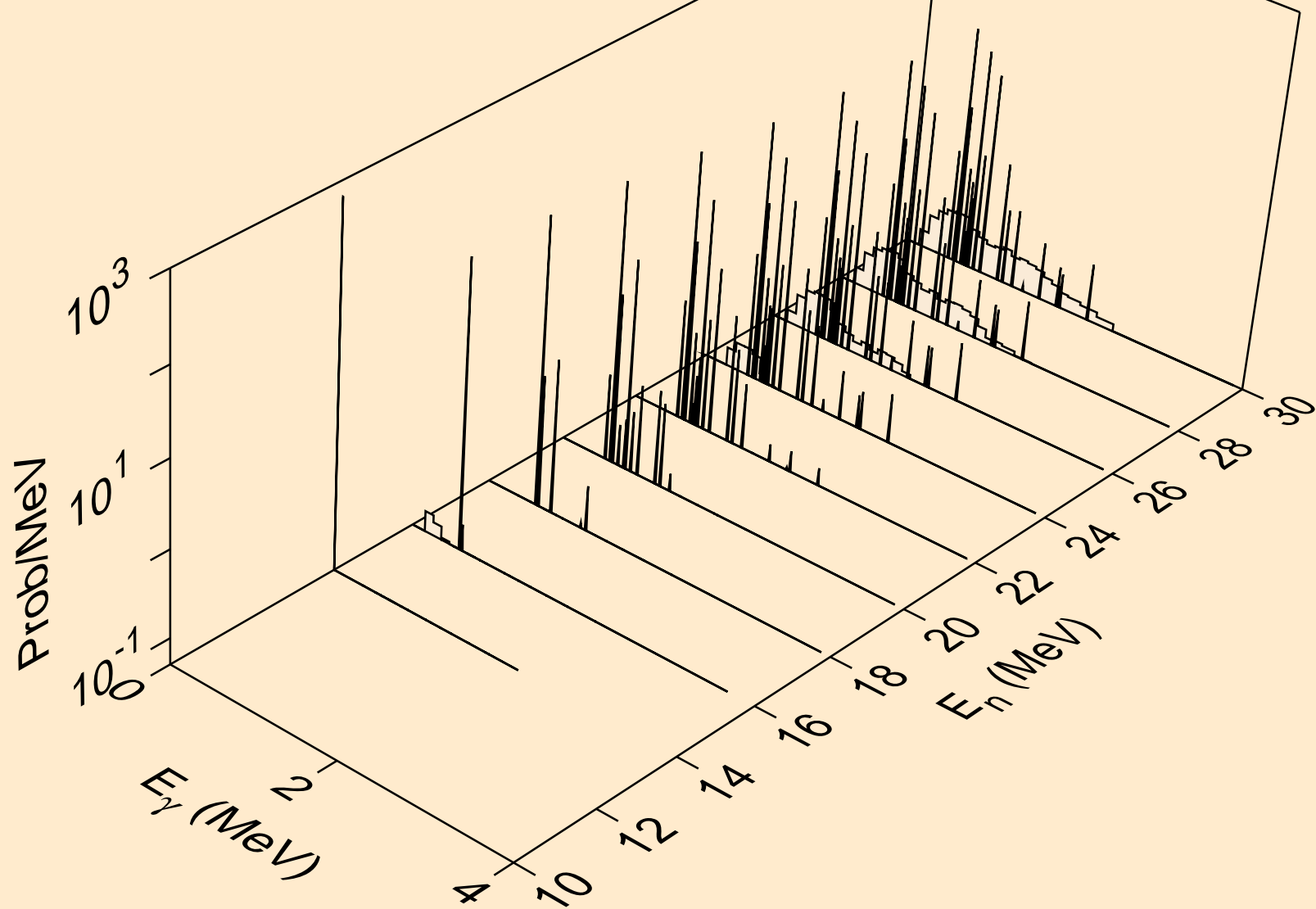
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Photon emission for (n,p)



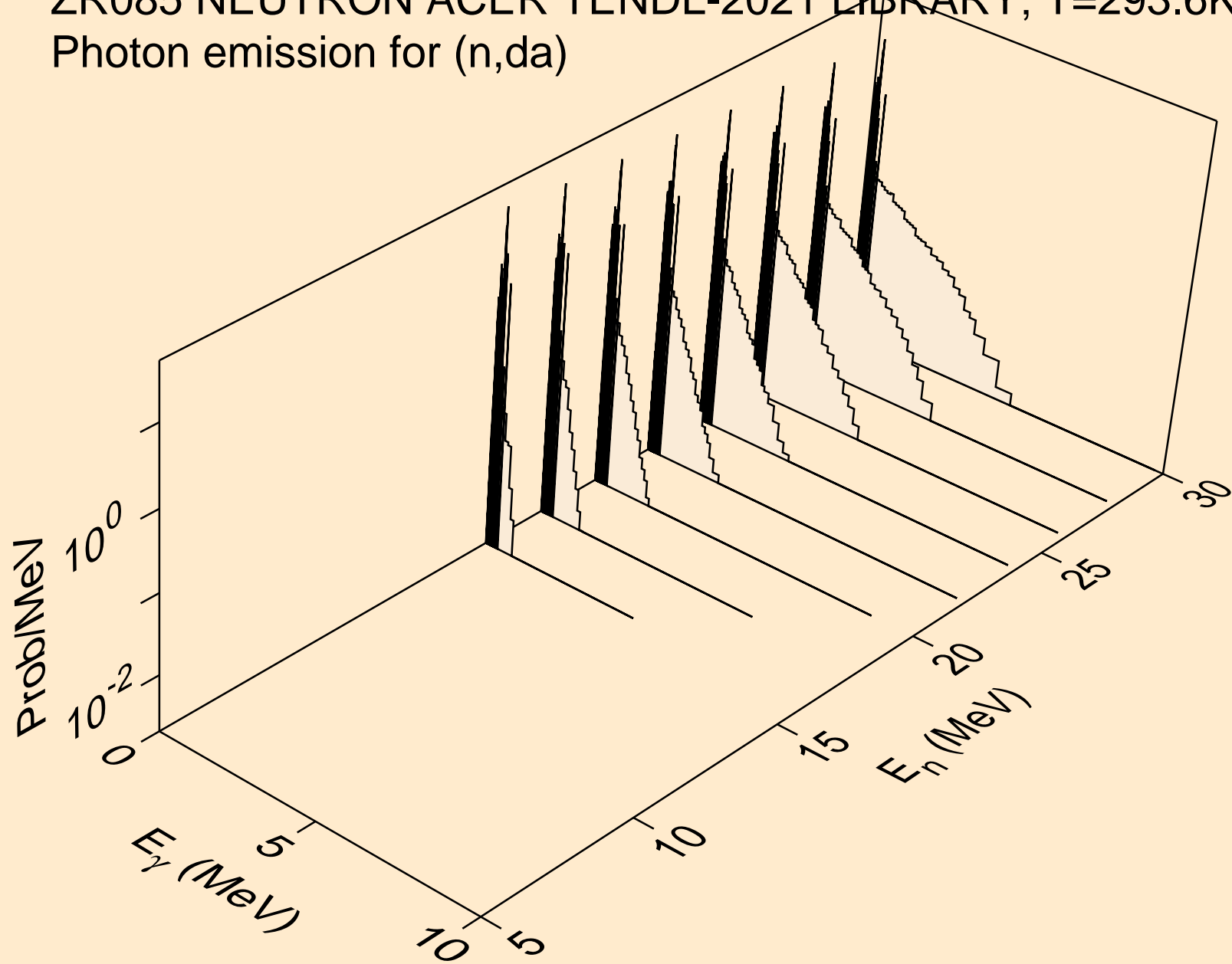
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Photon emission for (n,pd)



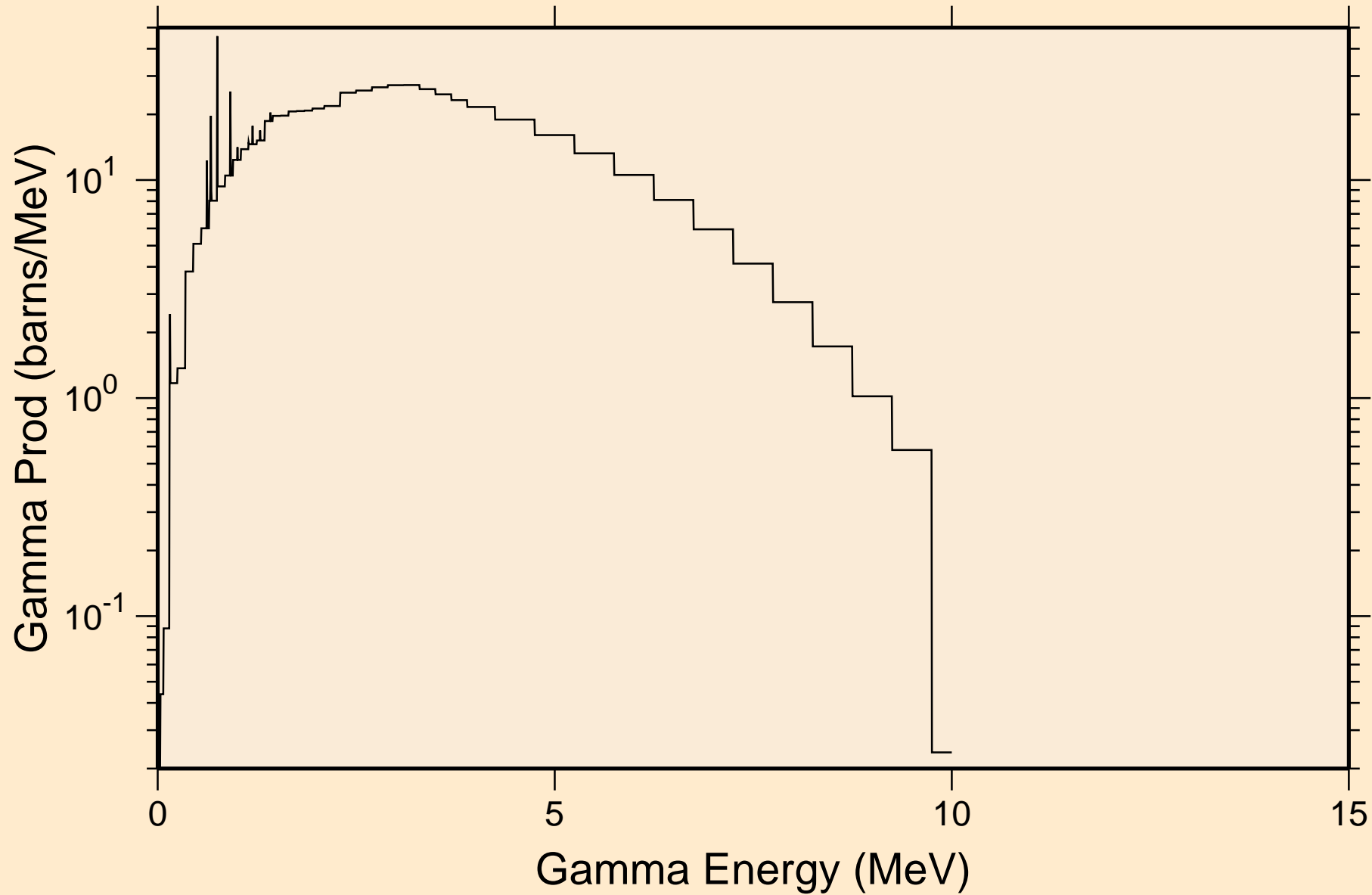
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Photon emission for (n,pt)



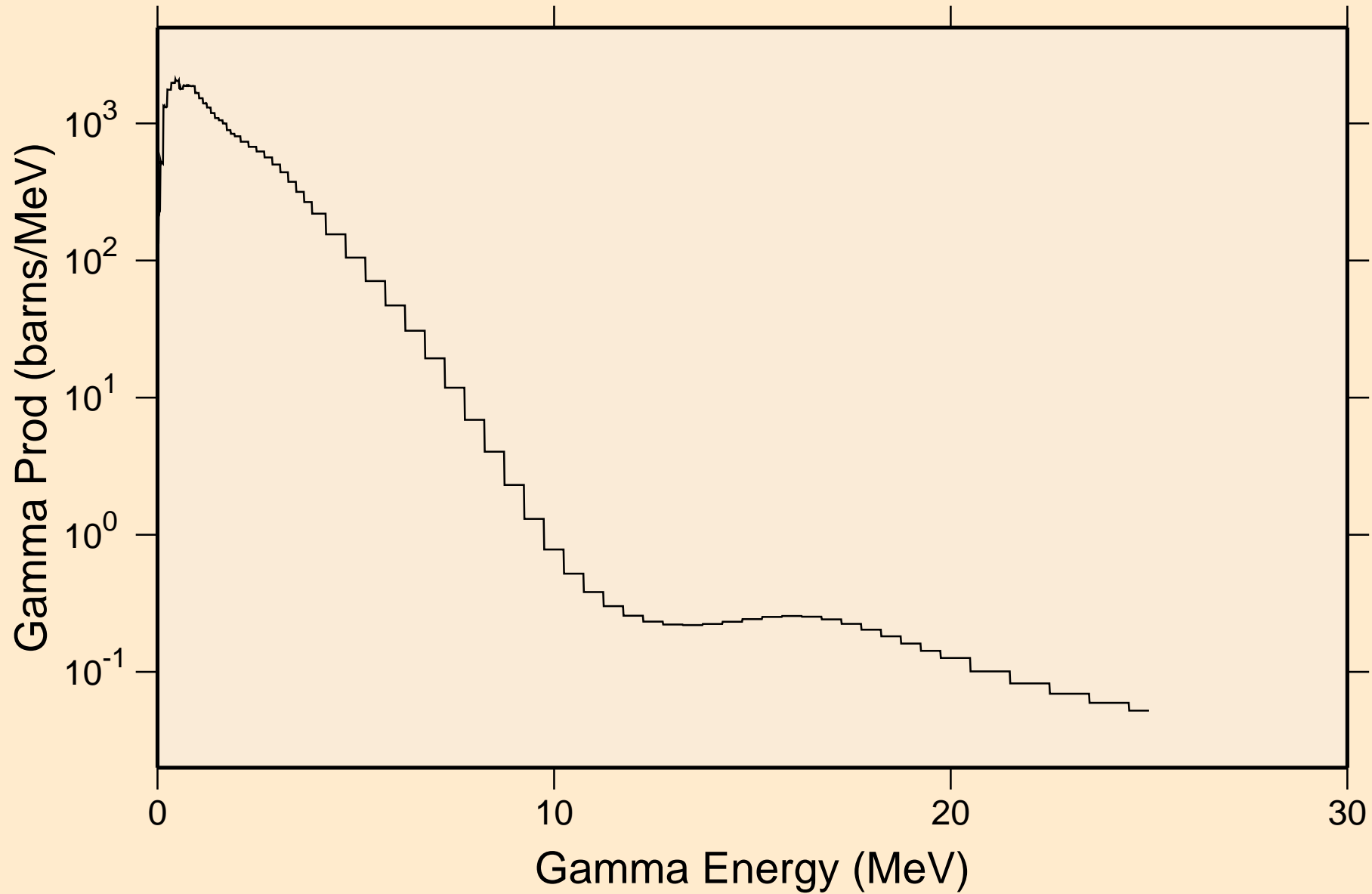
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,da)



ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum



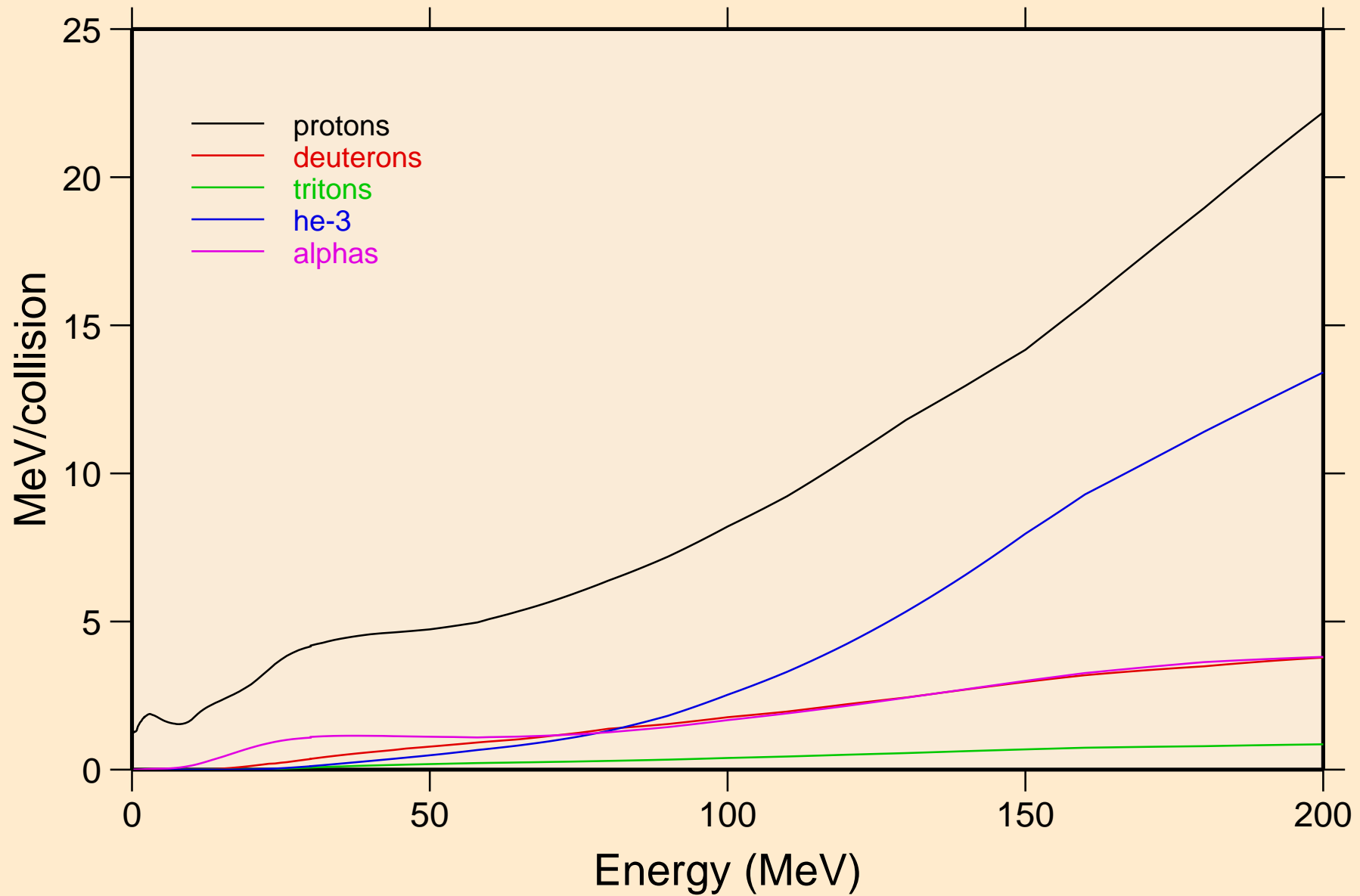
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14 MeV photon spectrum



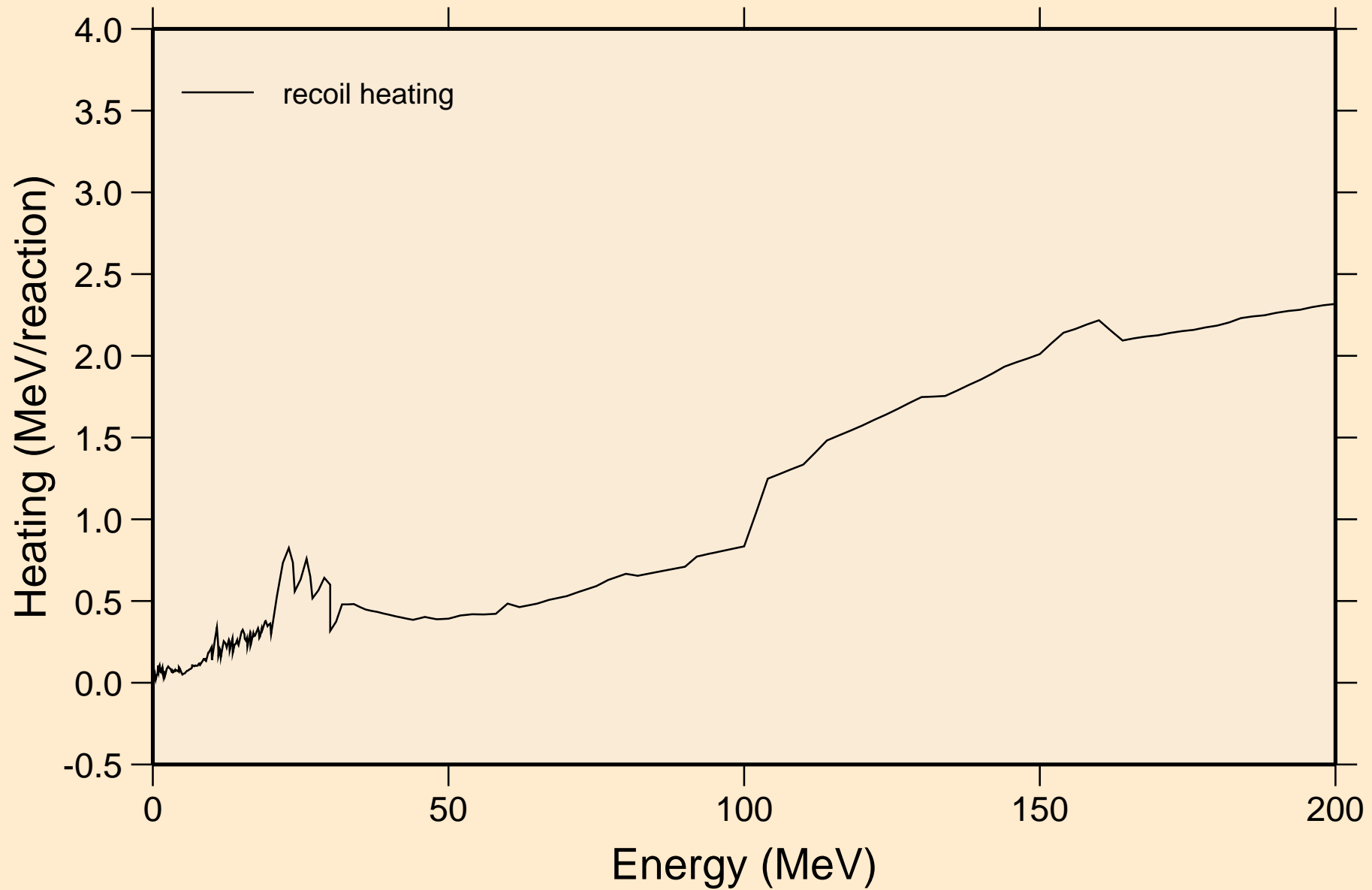


# ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Particle heating contributions

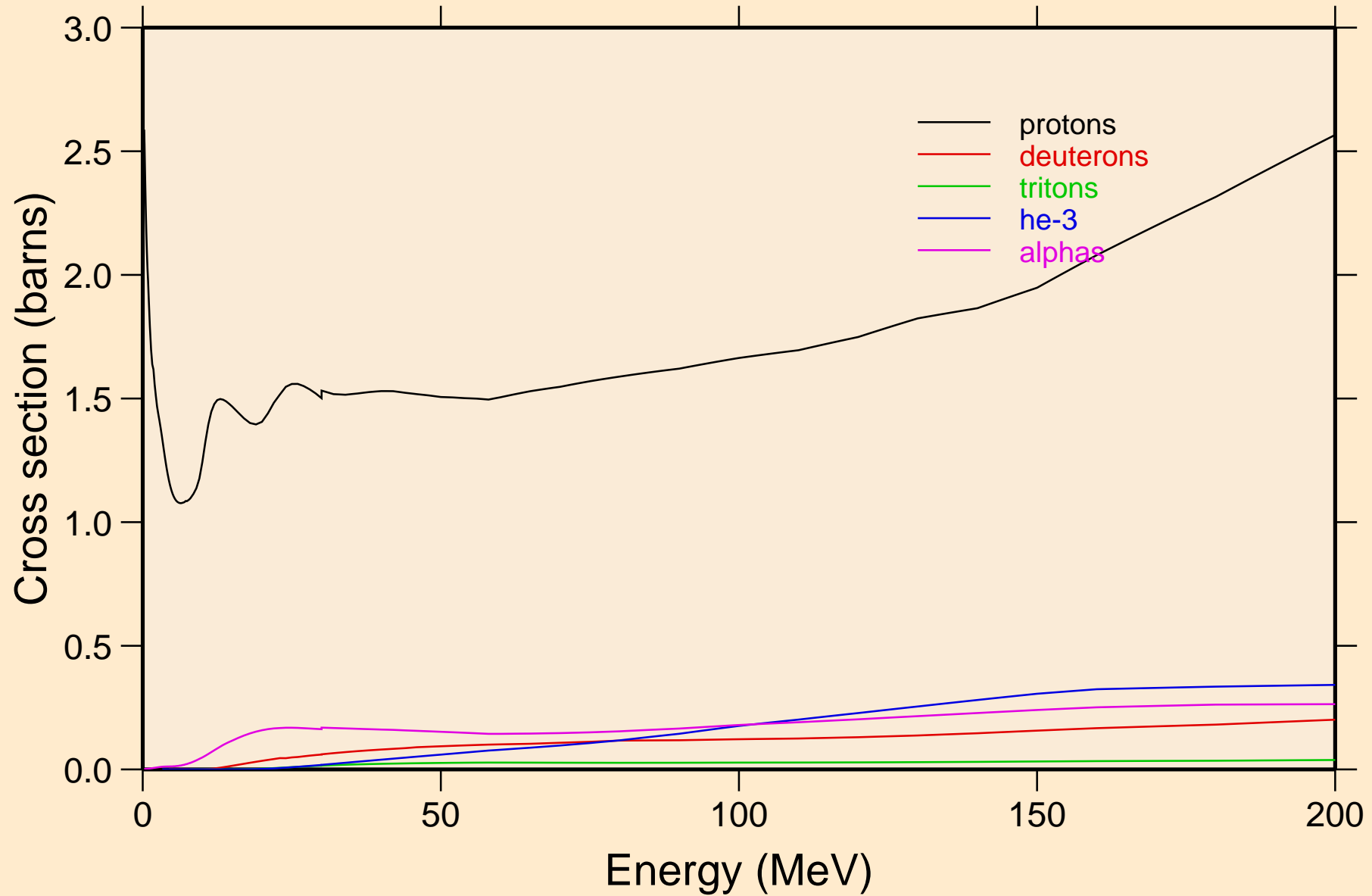


ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Recoil Heating

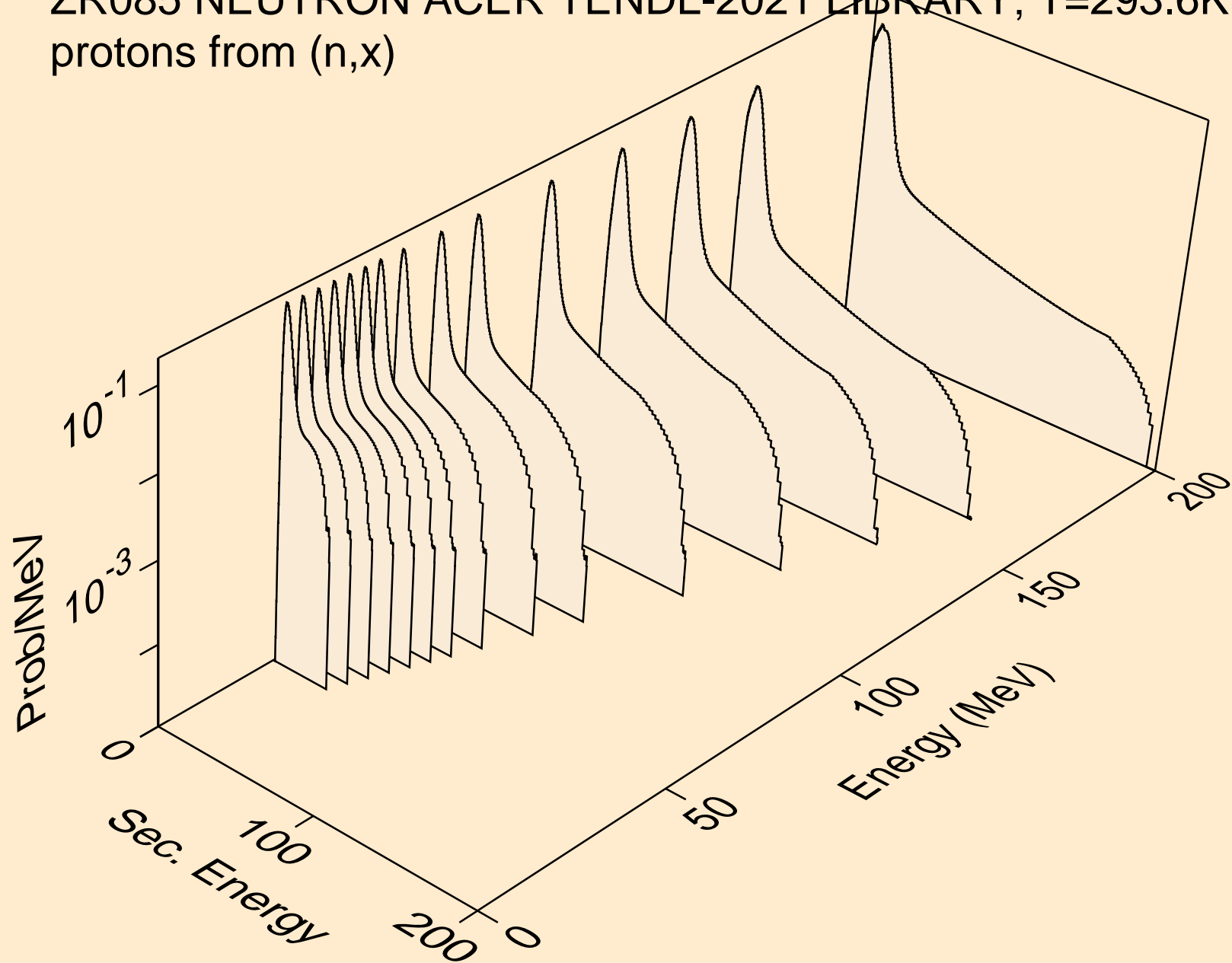


# ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

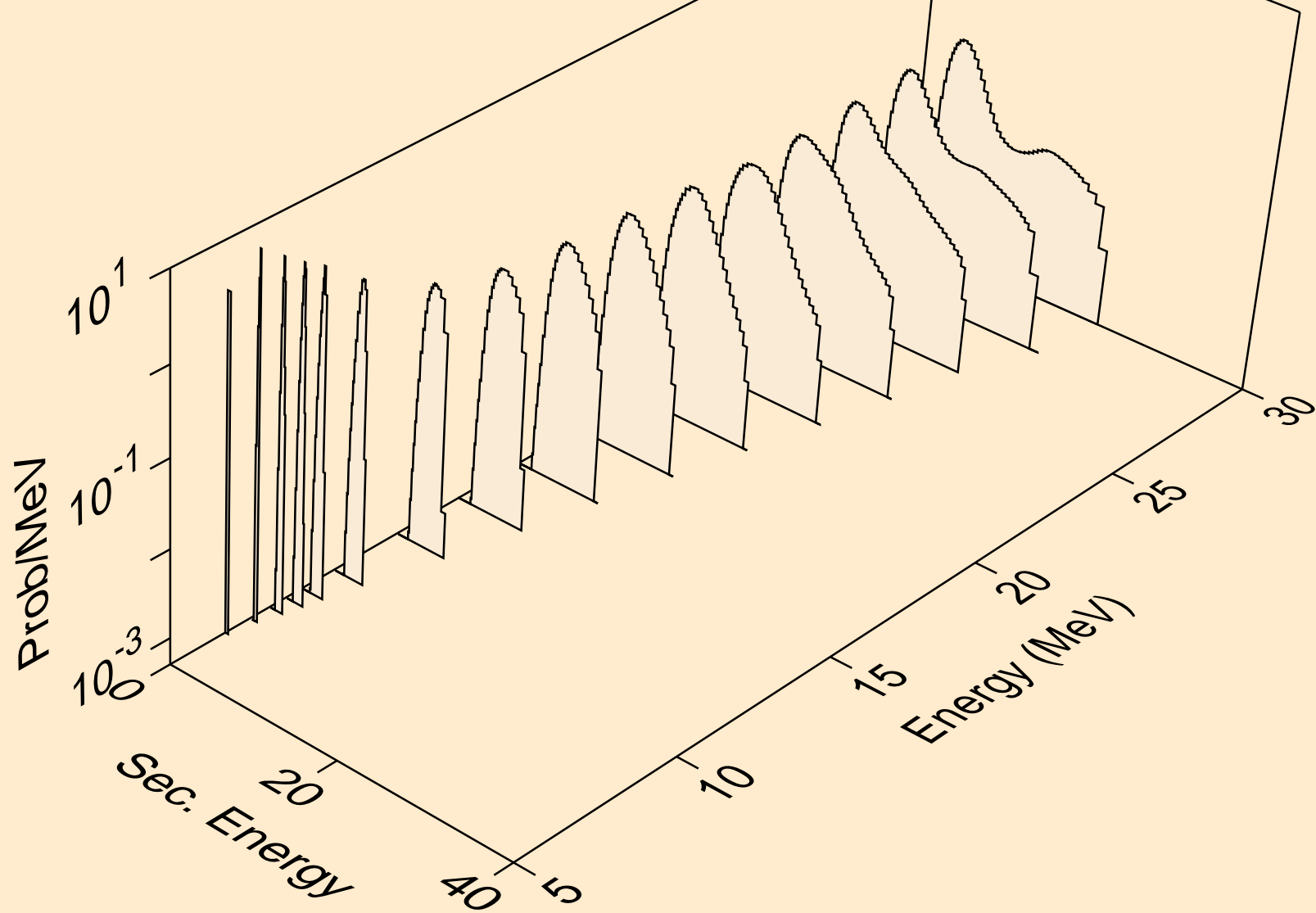
## Particle production cross sections



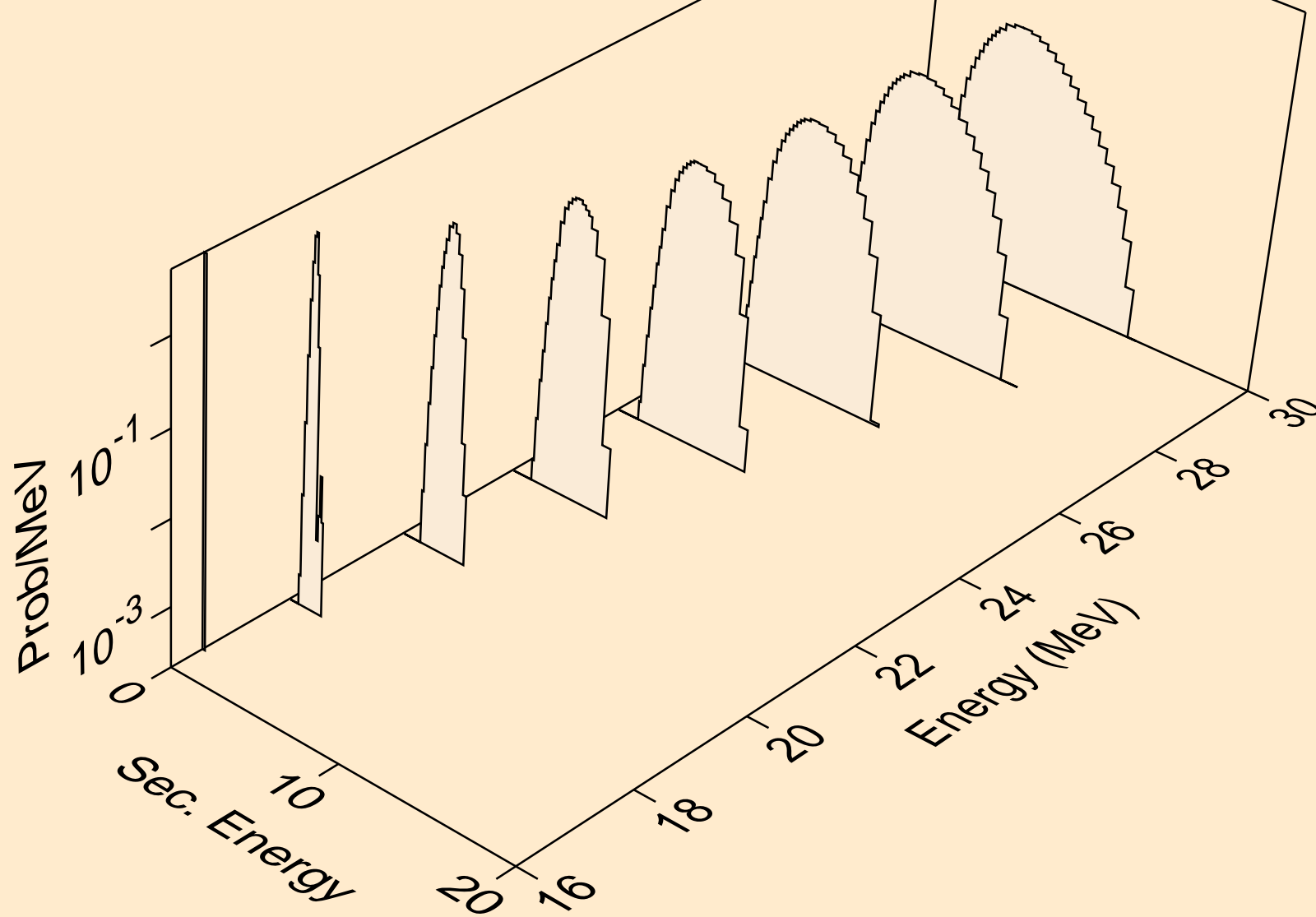
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protons from (n,x)



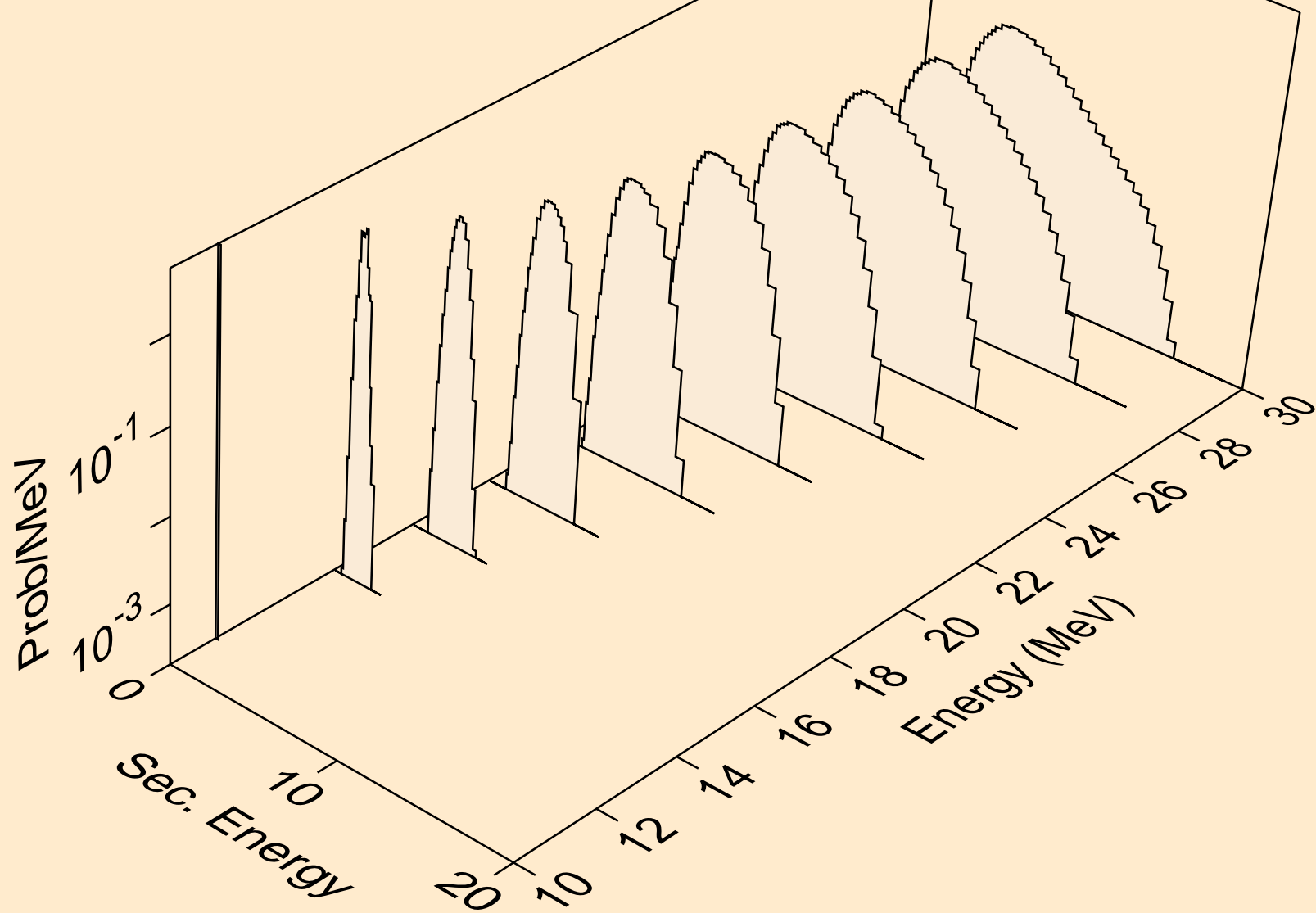
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protons from (n,n\*)p



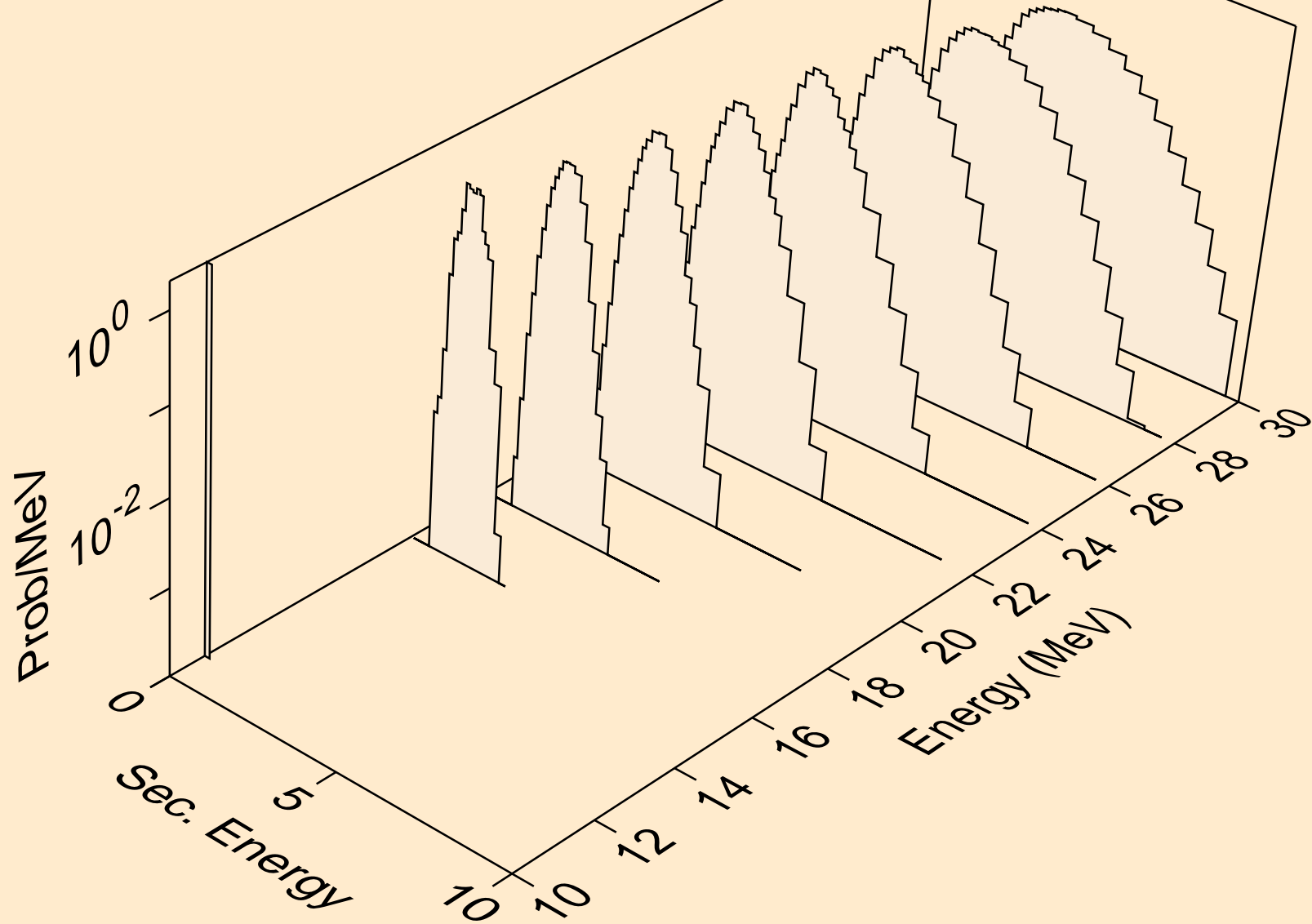
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protons from (n,2np)



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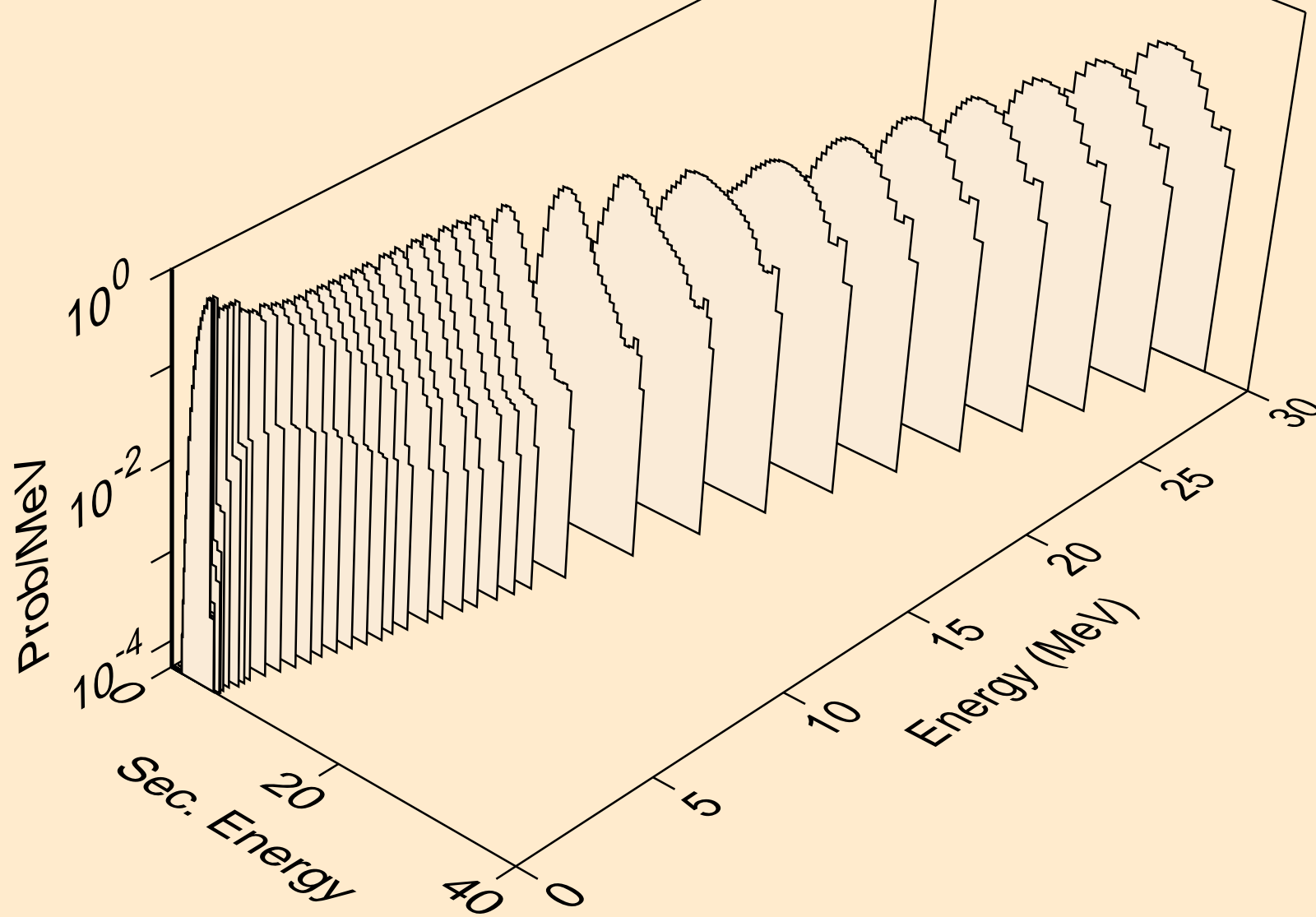


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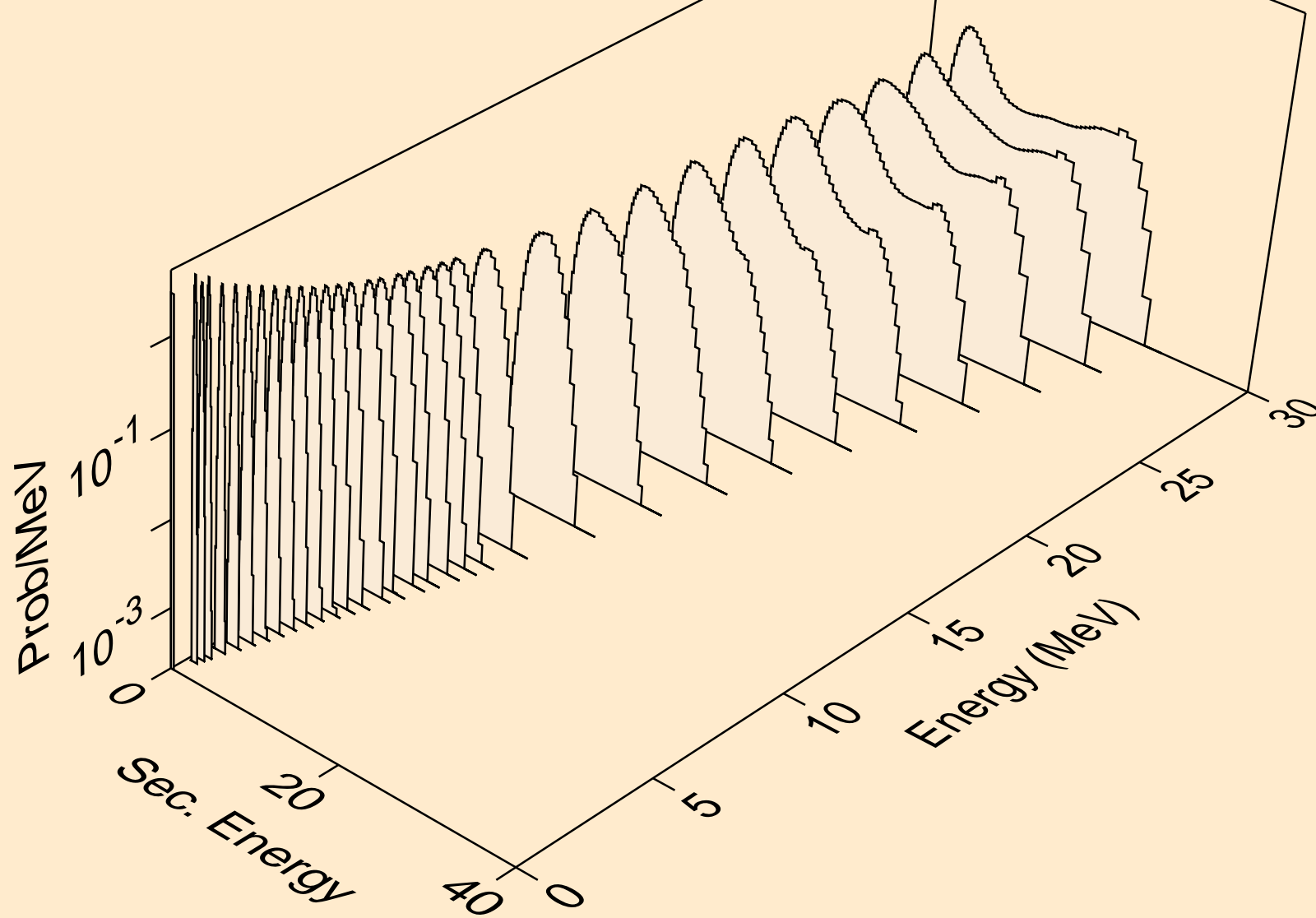




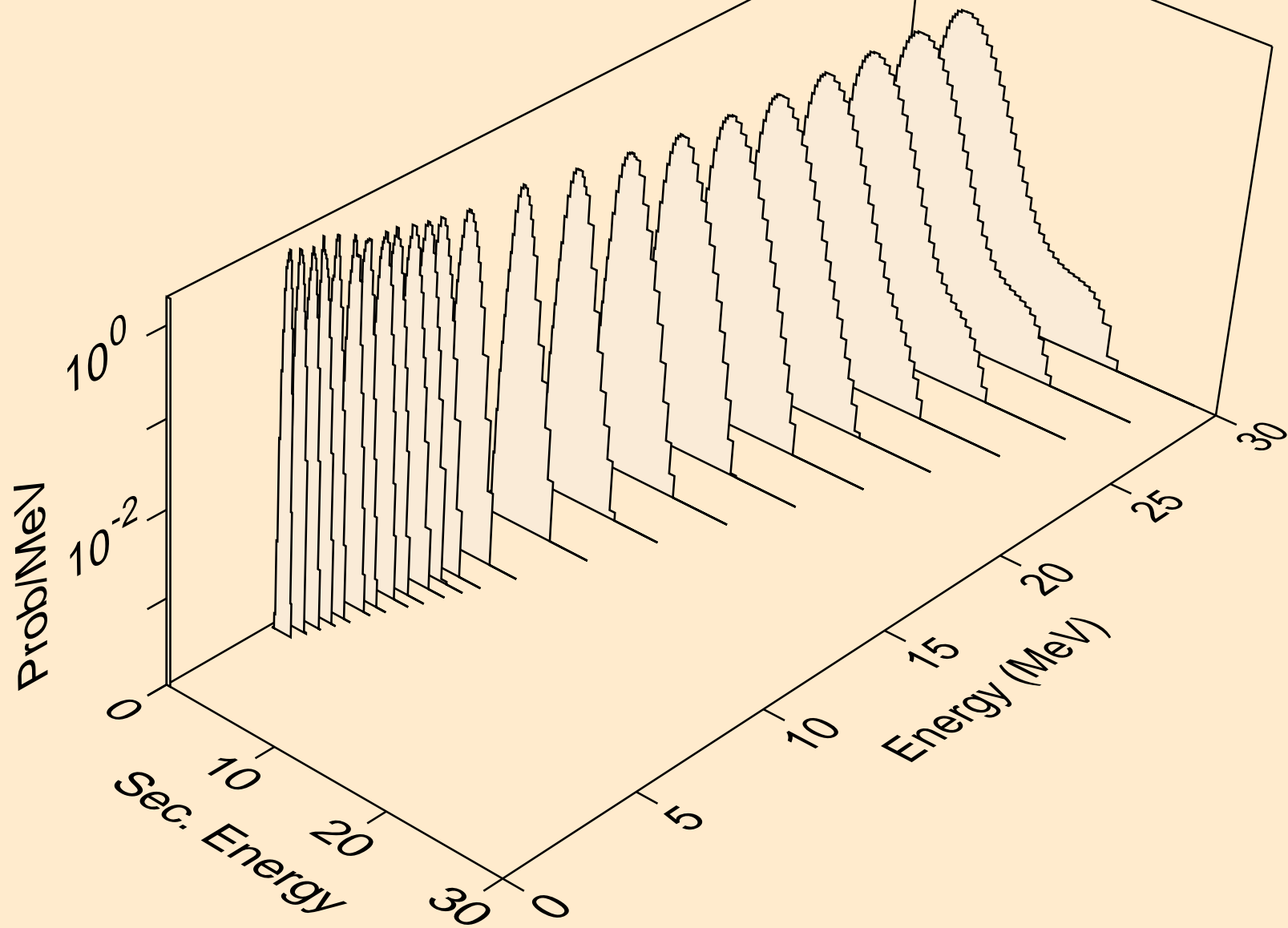
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protons from (n,p)



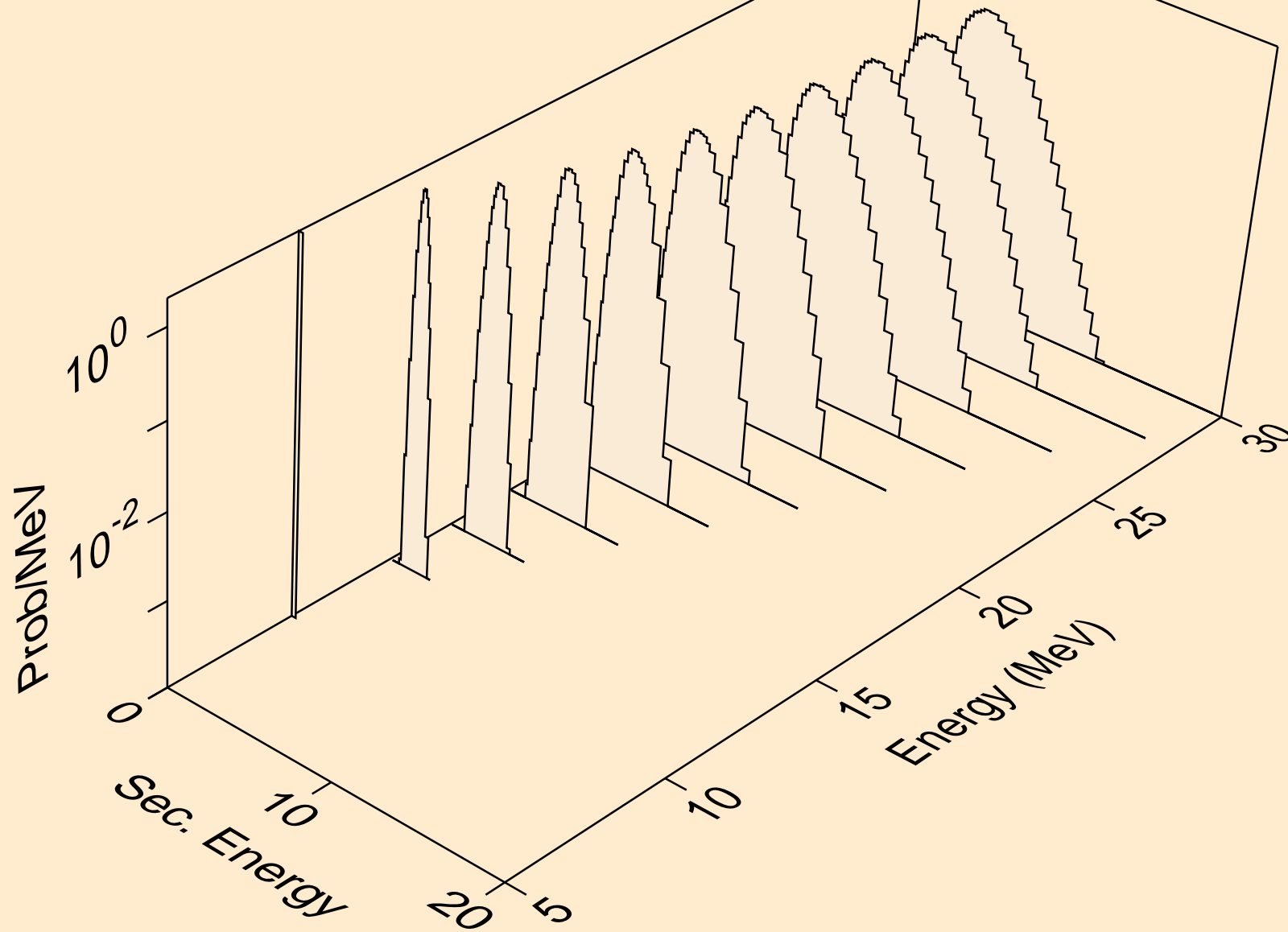
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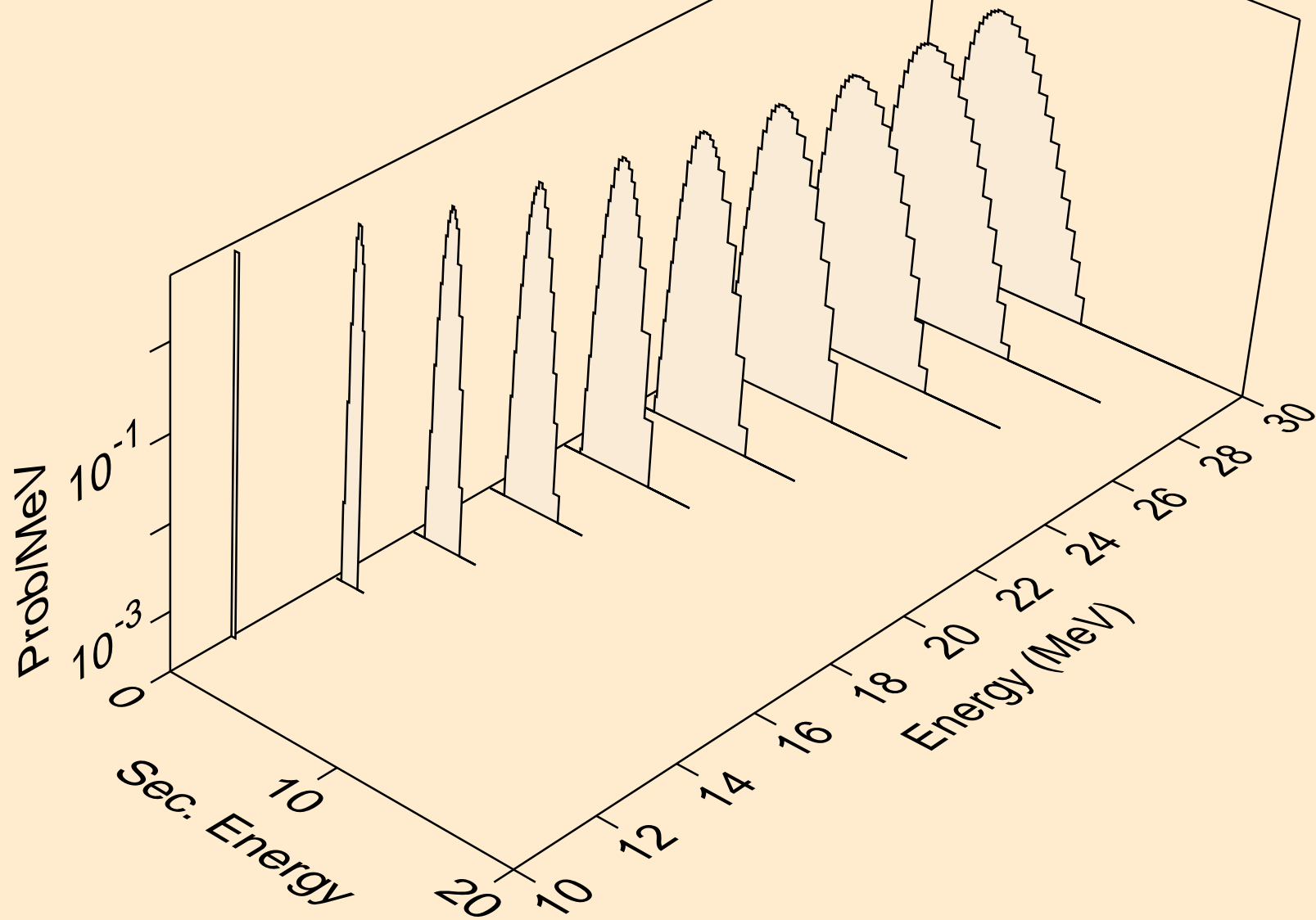
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protons from (n,p)



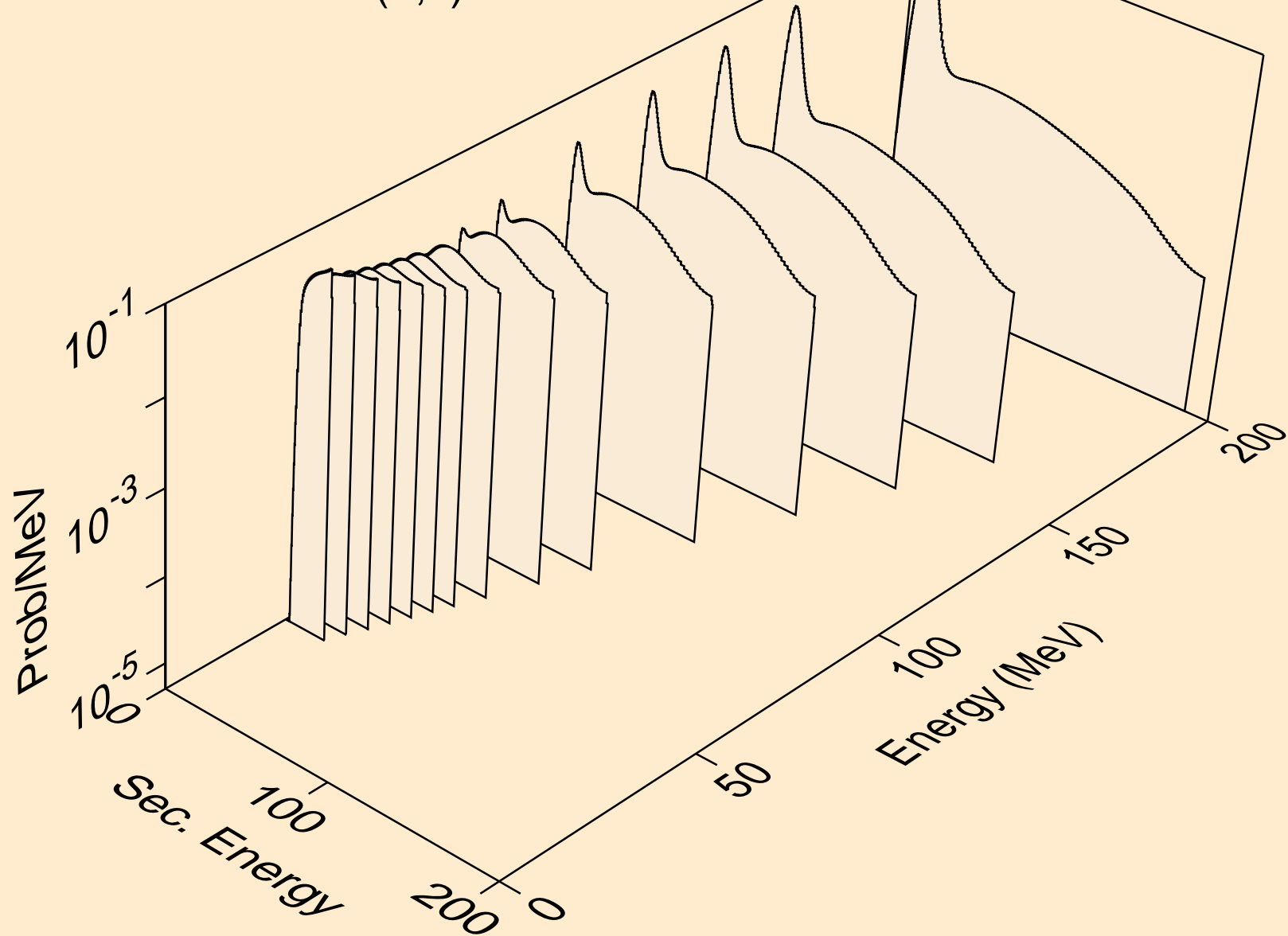
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protons from (n,pd)



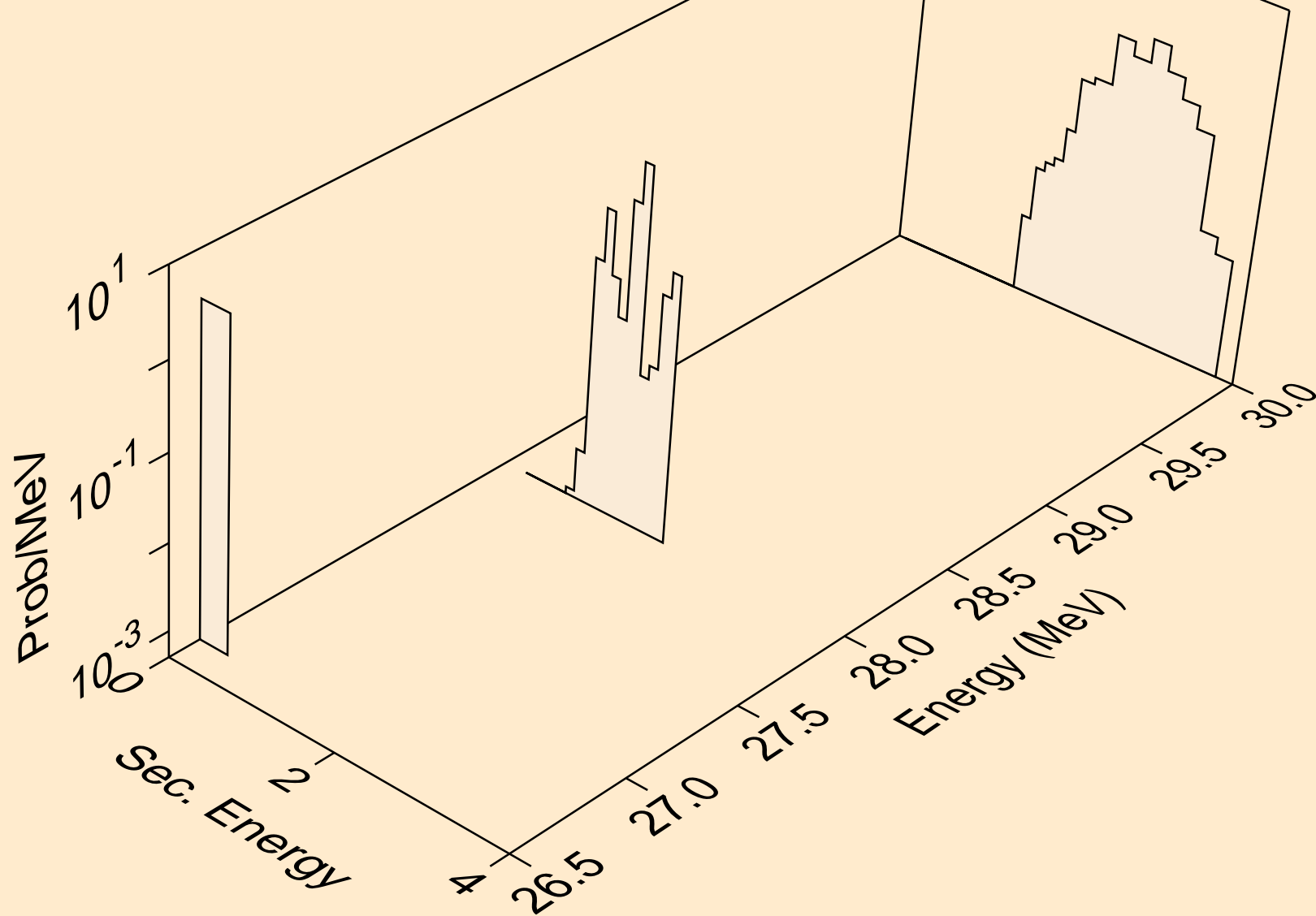
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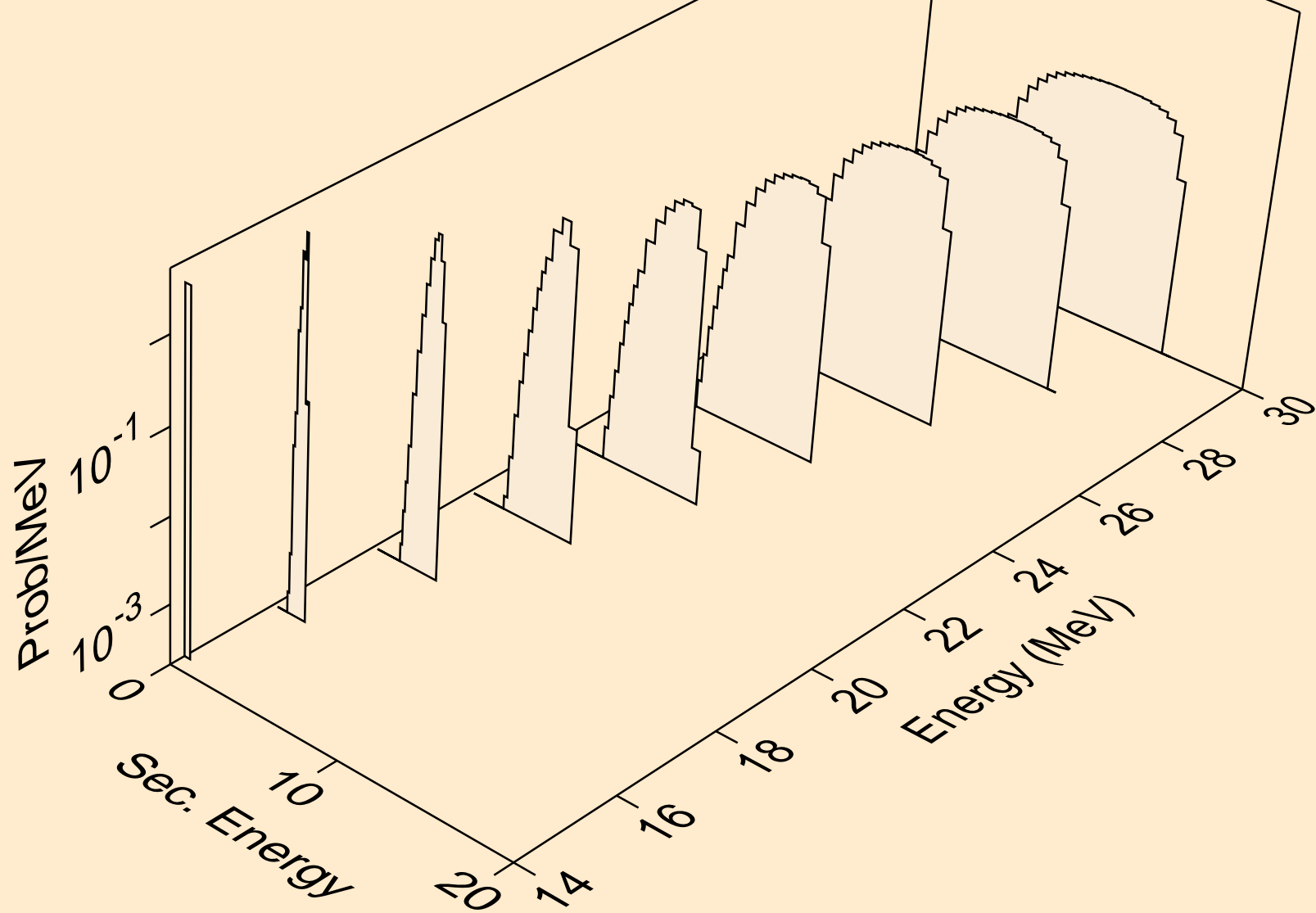
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deuterons from (n,x)



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deuterons from (n,2nd)

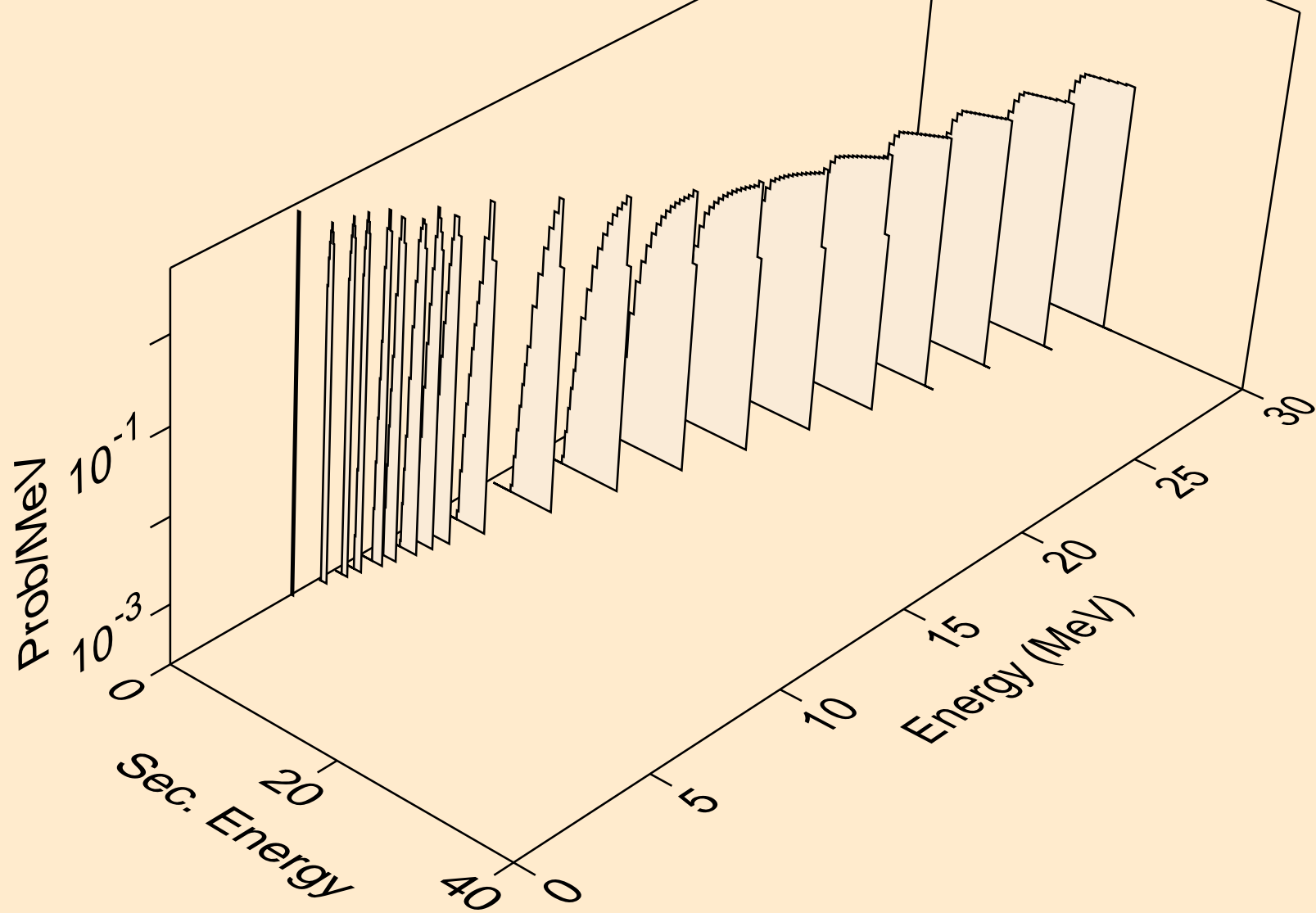


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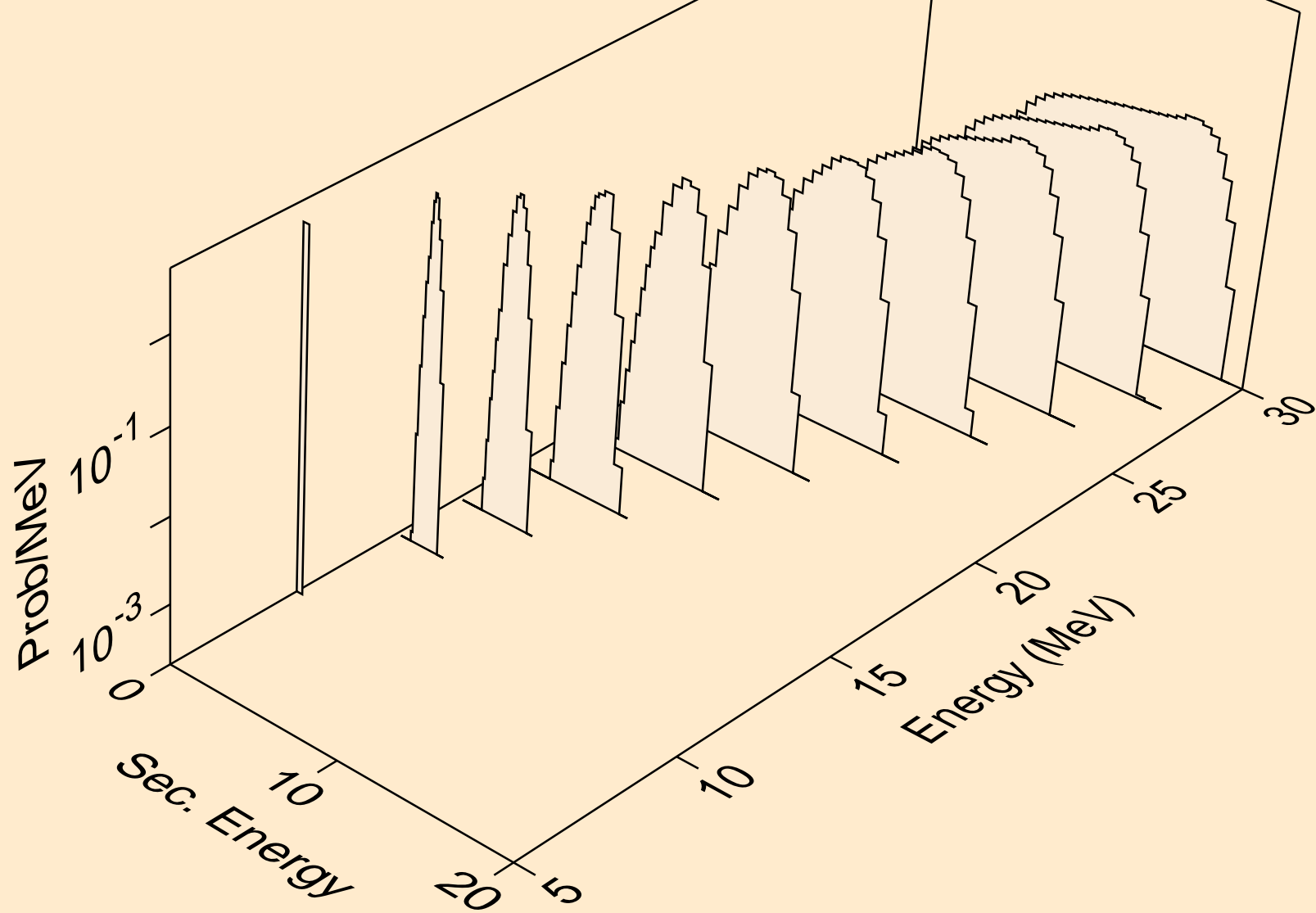




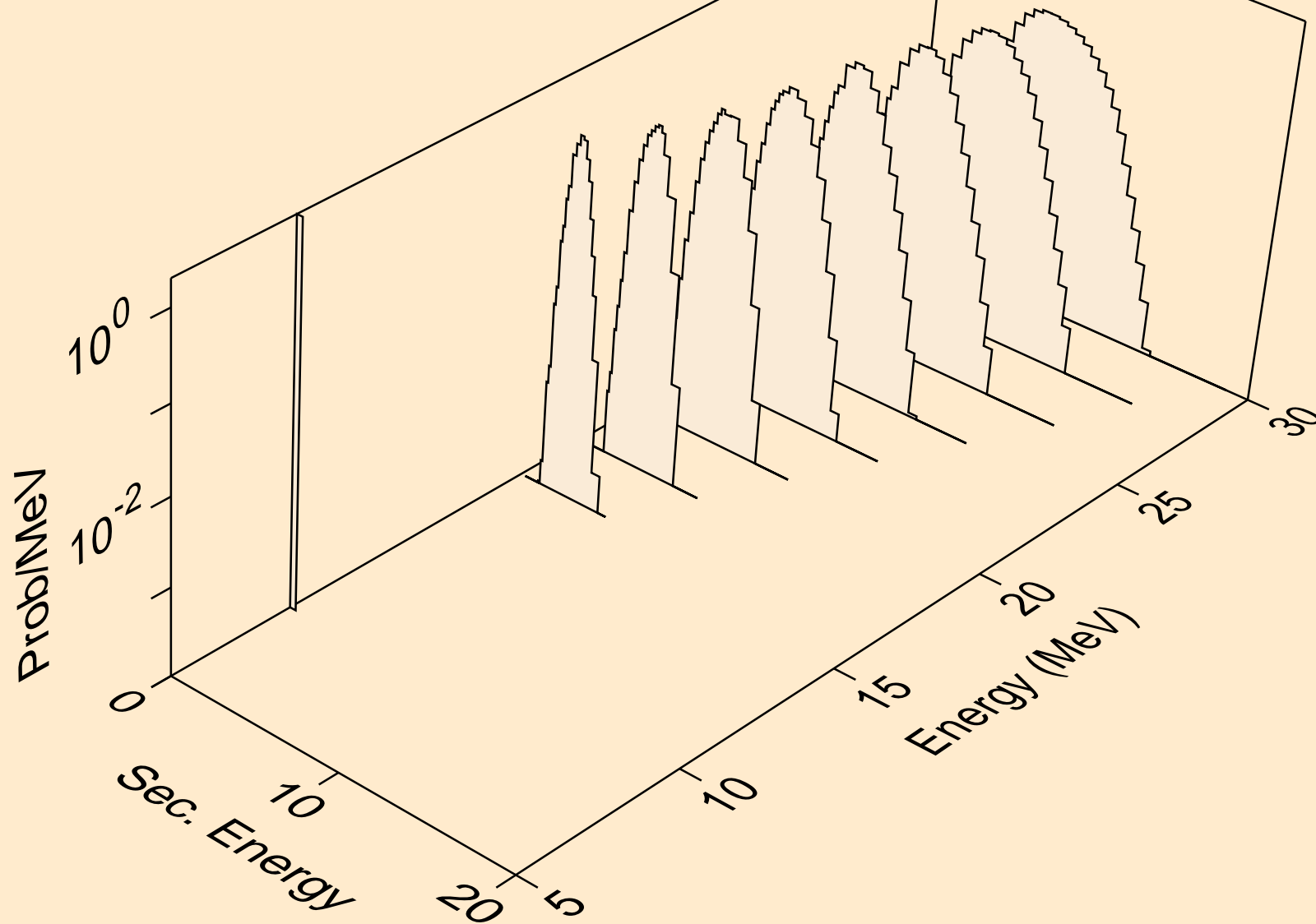
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deuterons from (n,d)



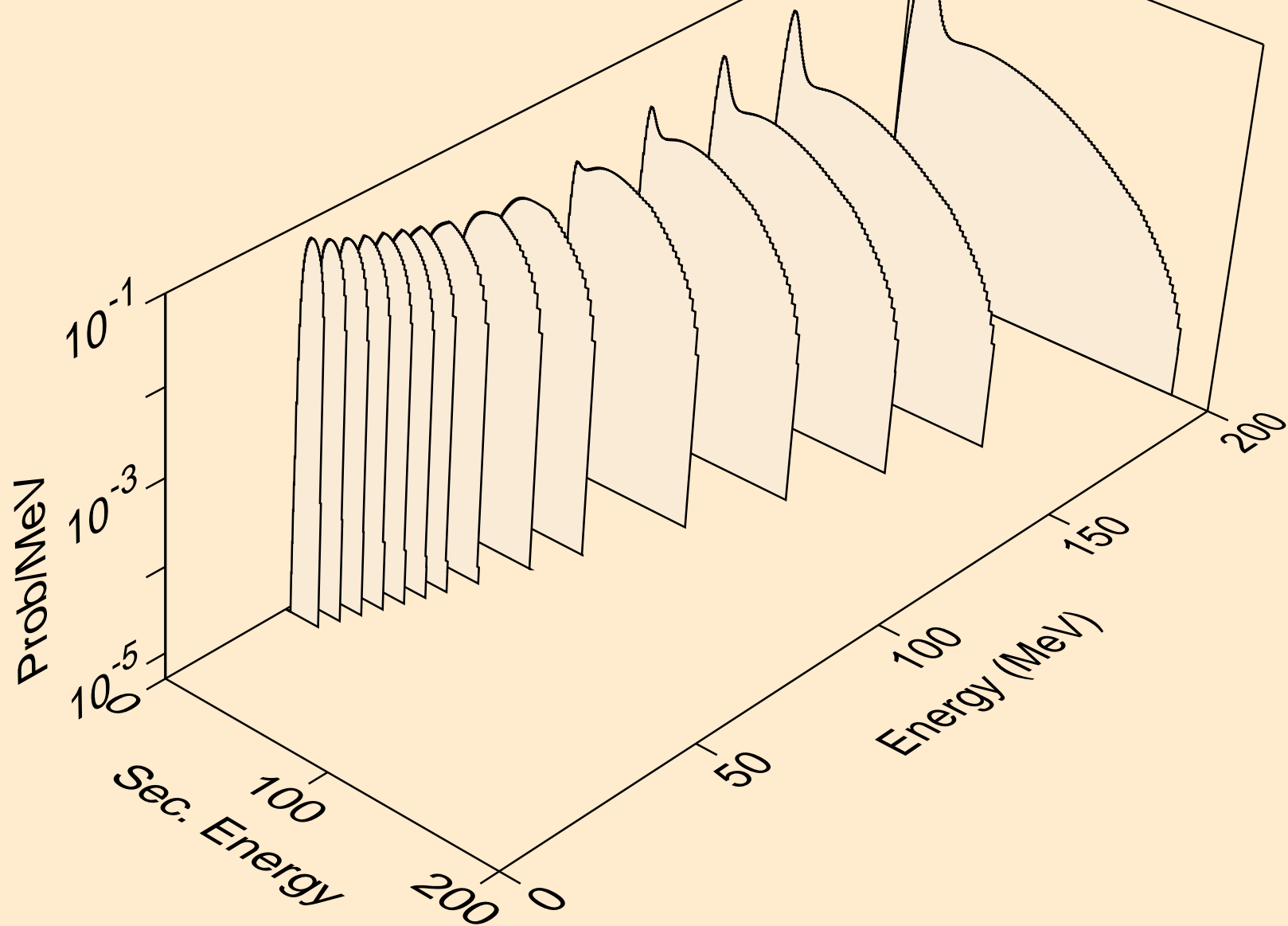
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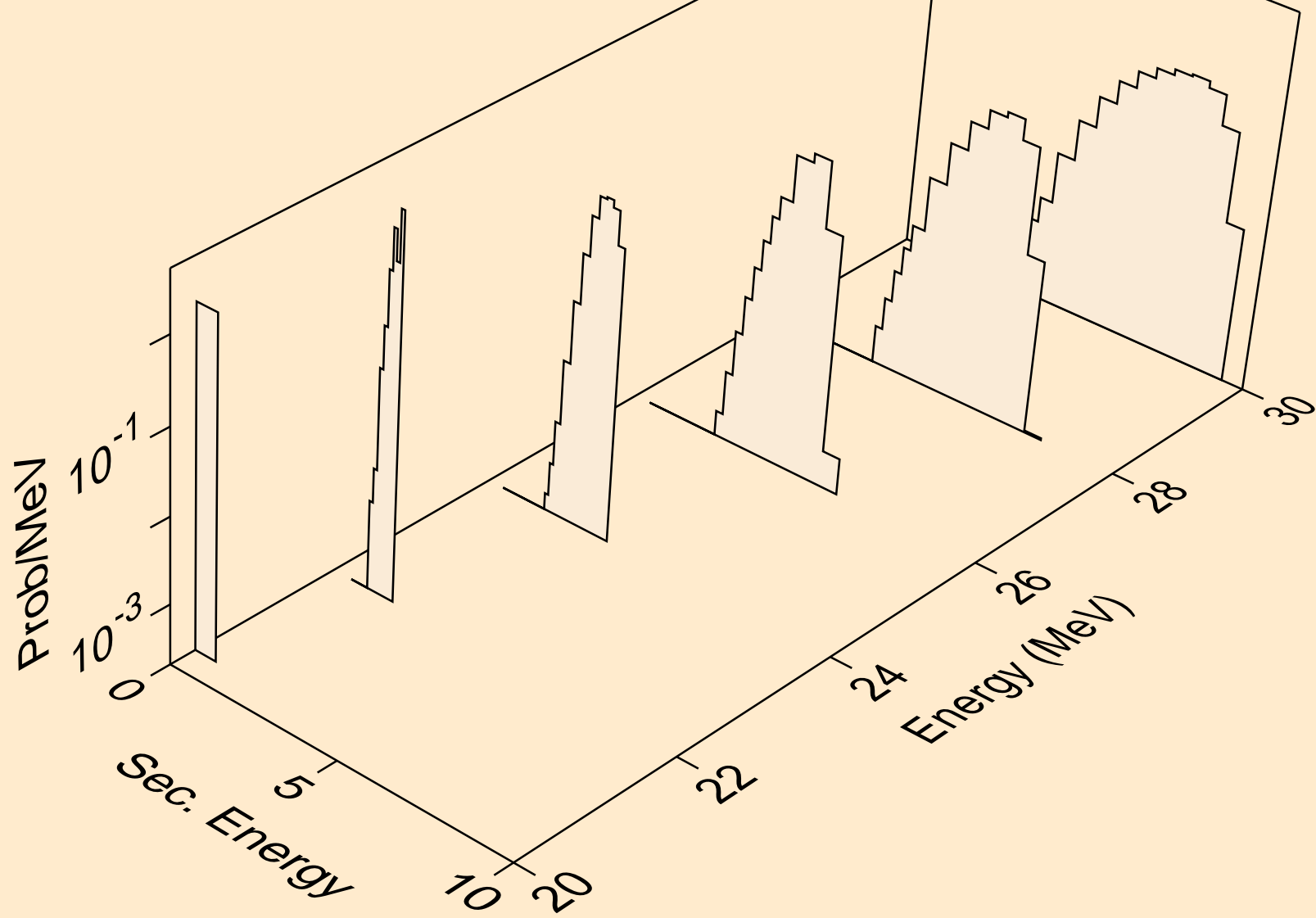
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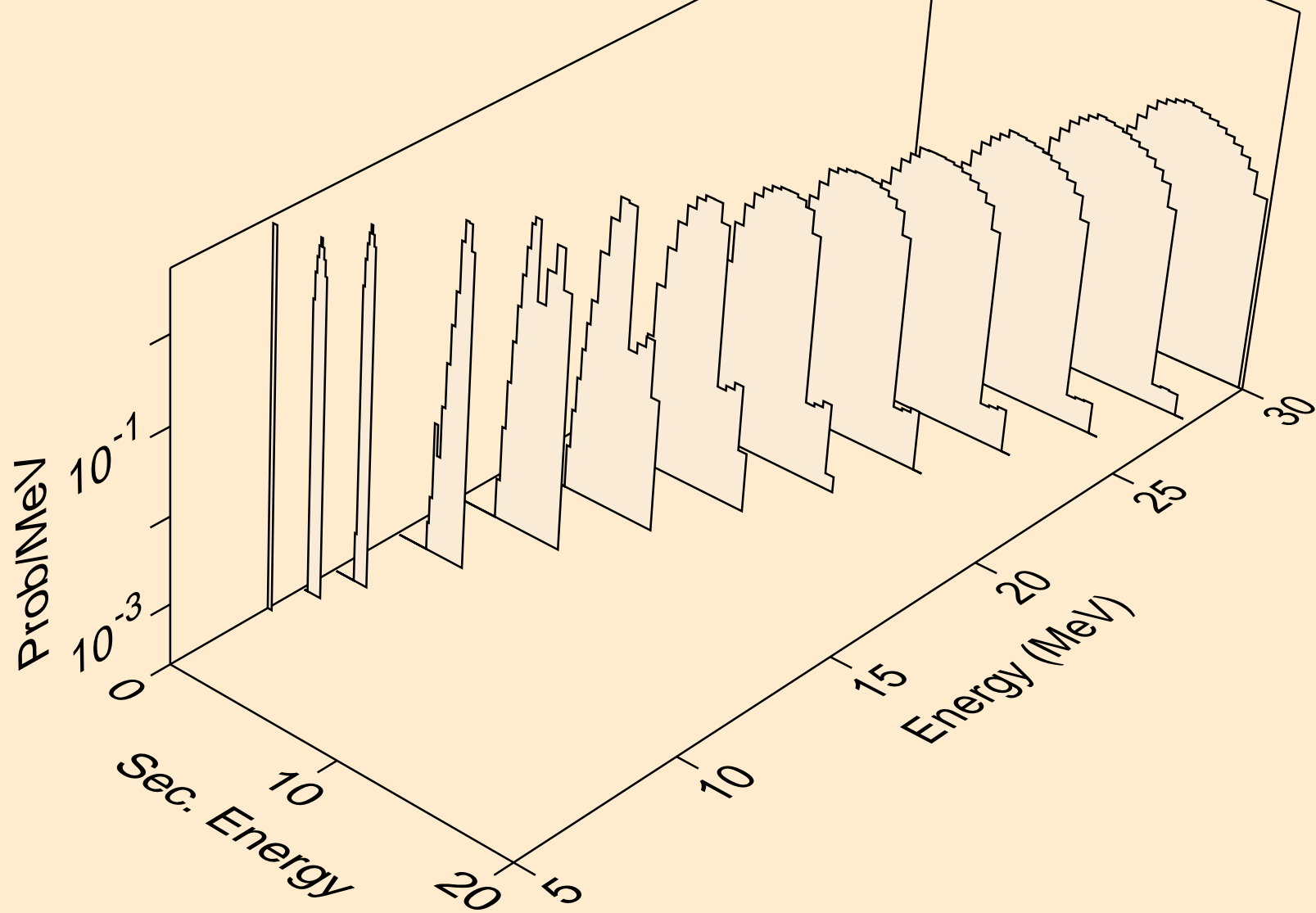
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tritons from (n,x)



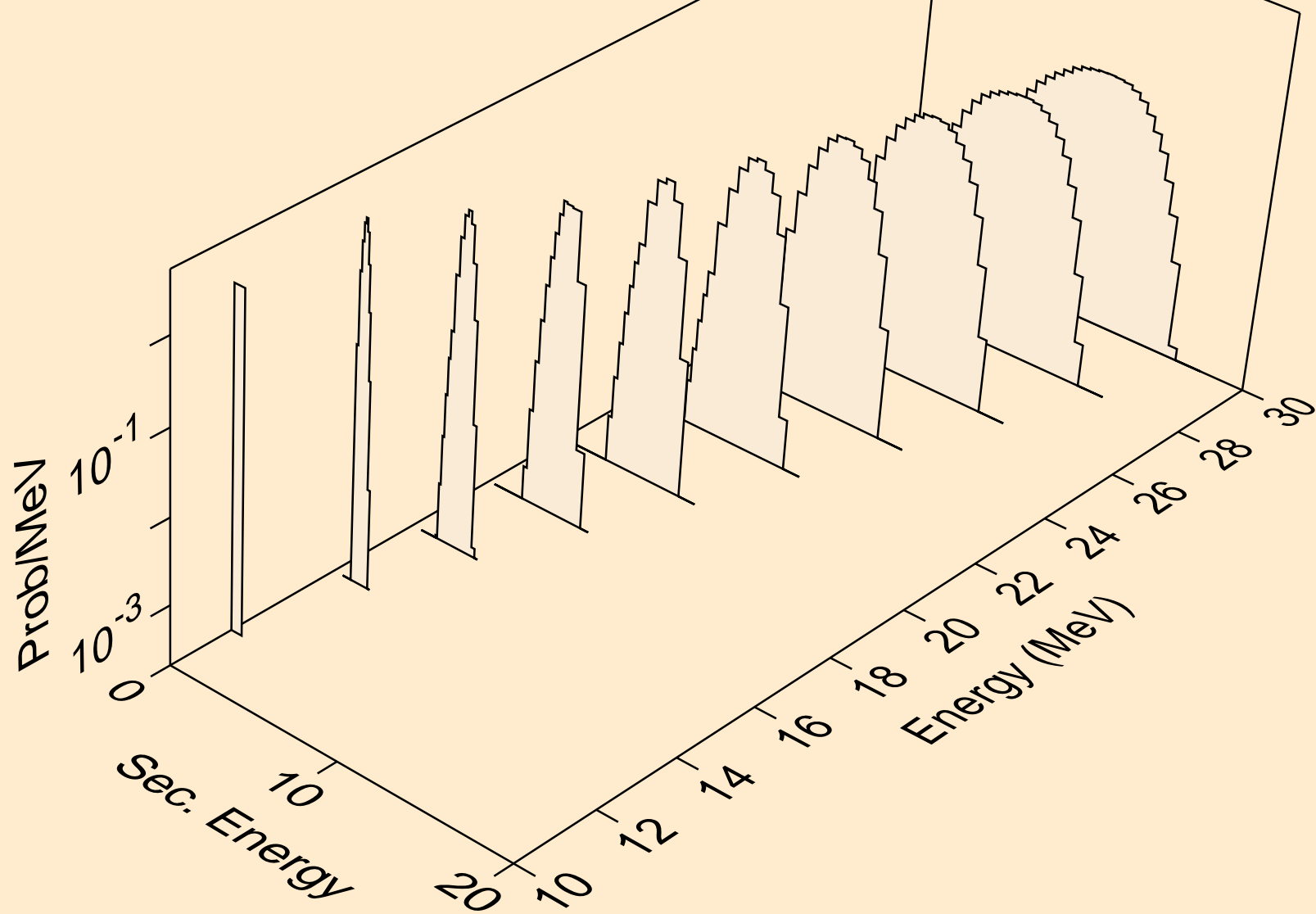
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tritons from (n,n\*)t



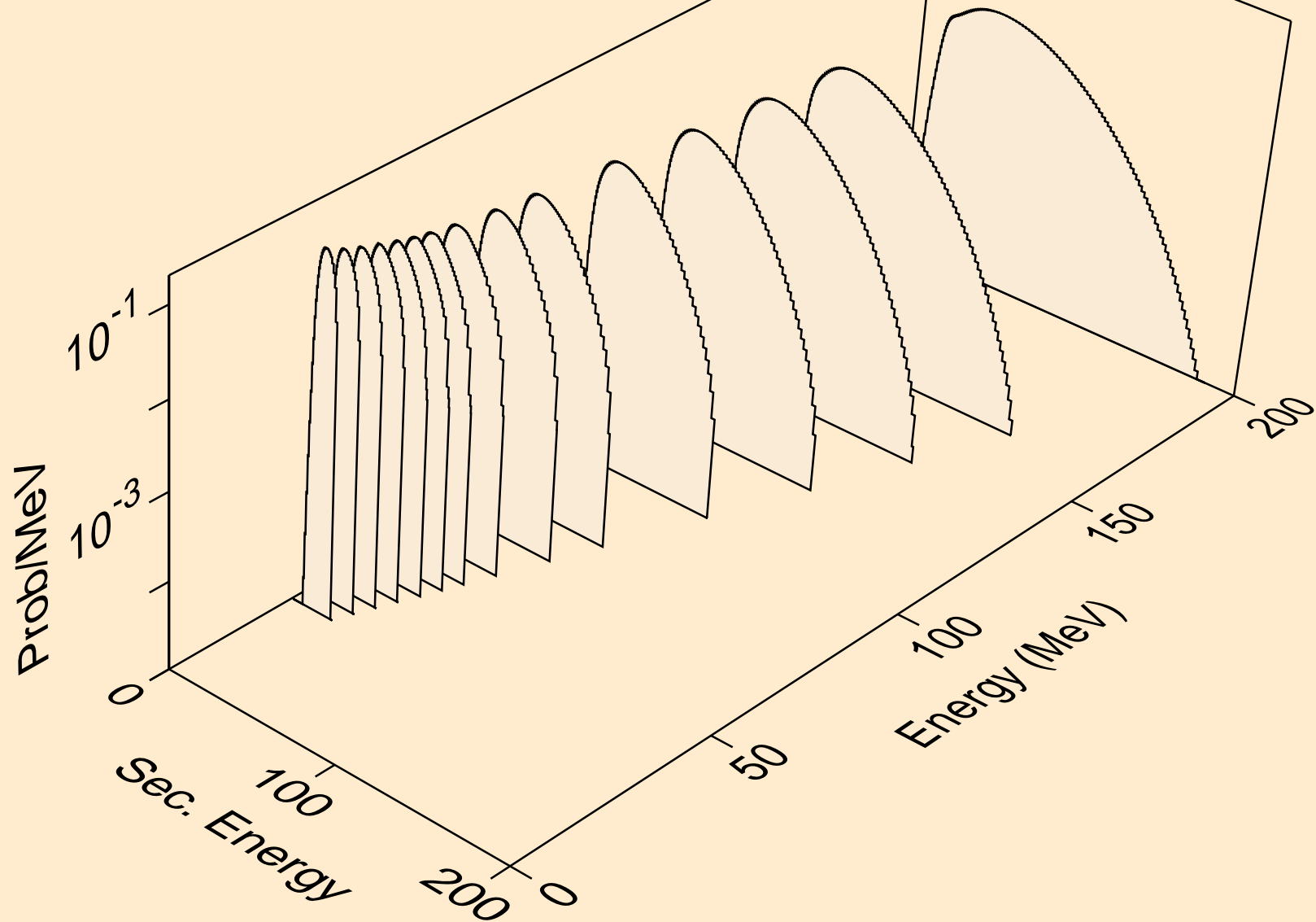
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tritons from (n,t)



ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,pt)

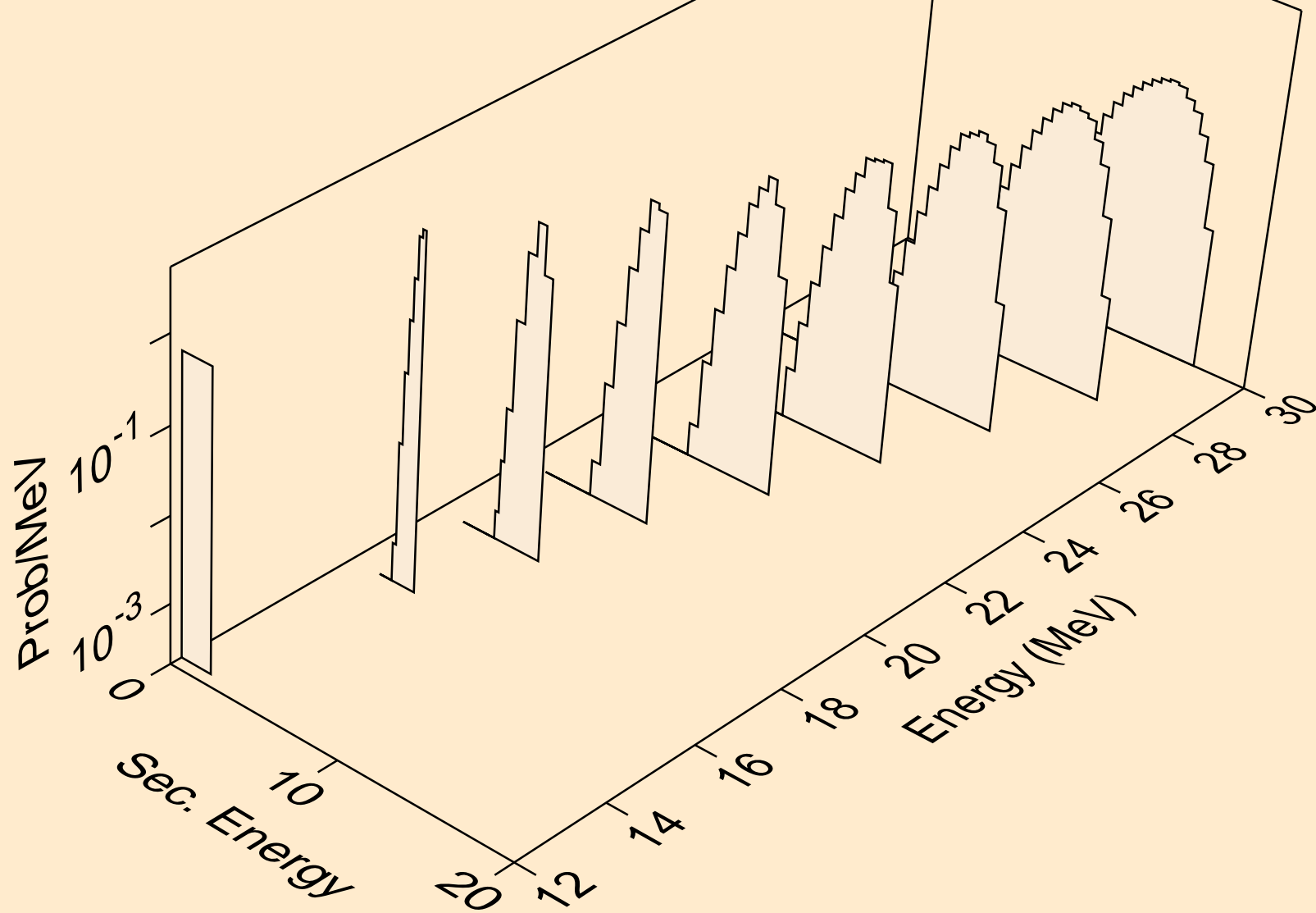


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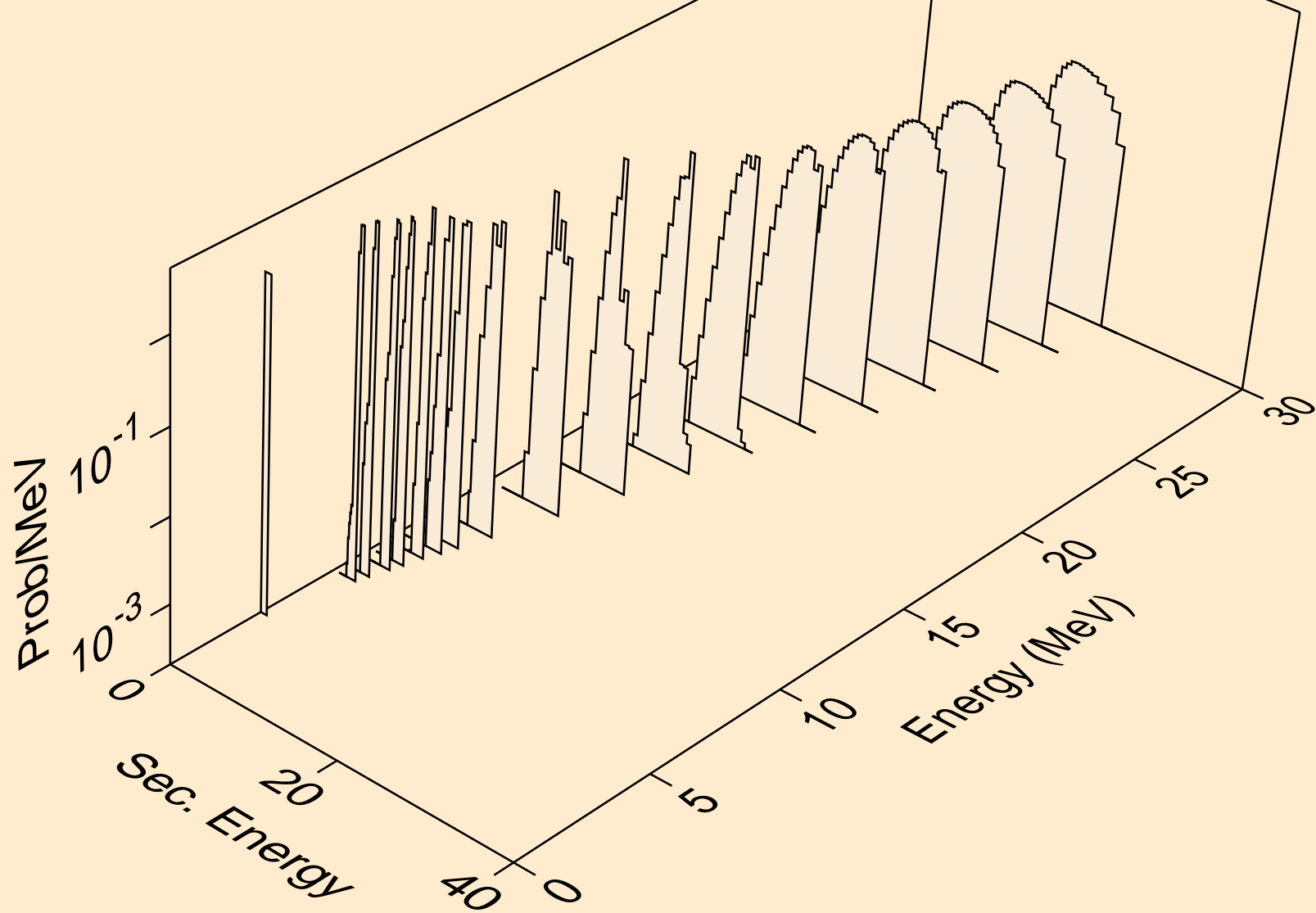




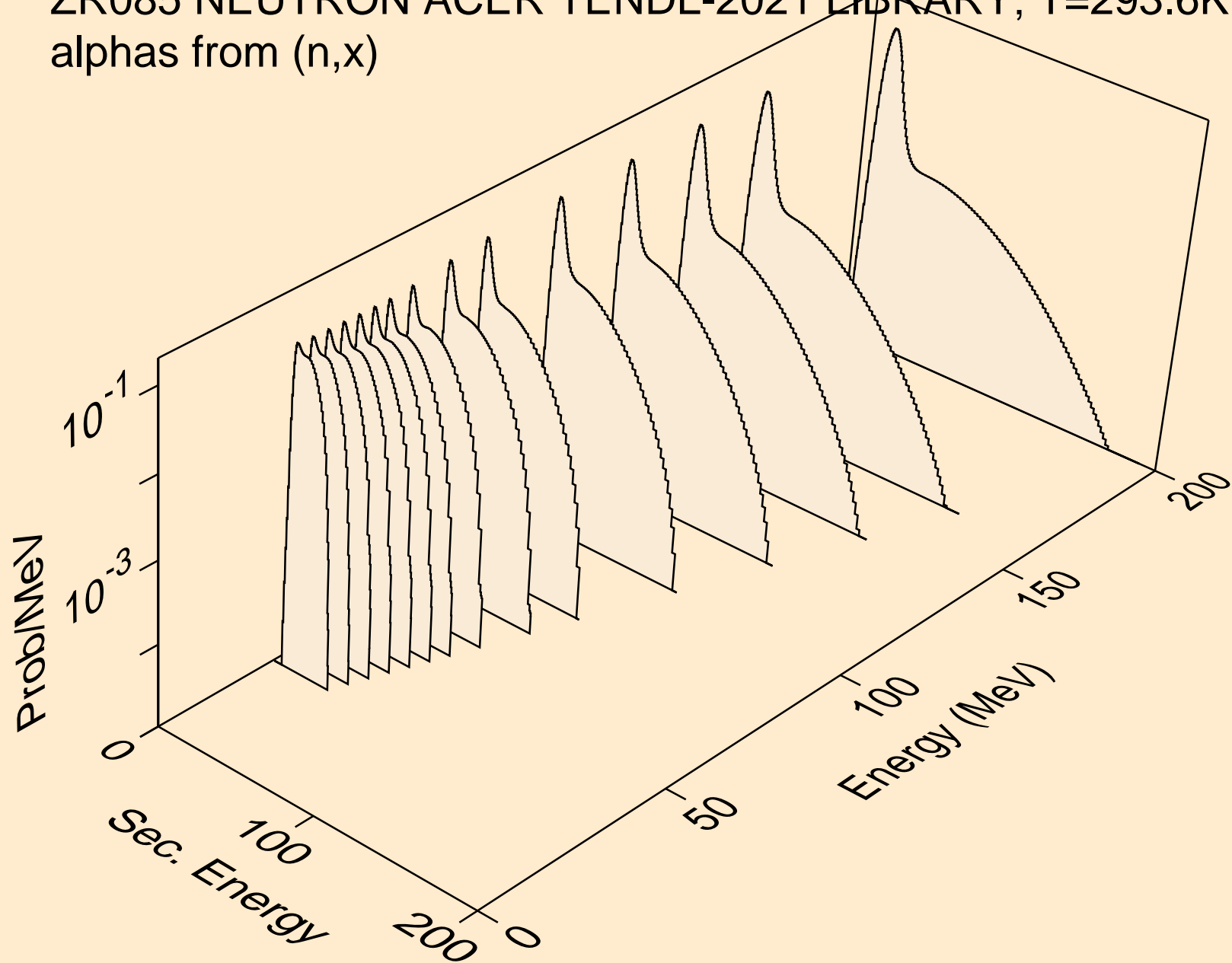
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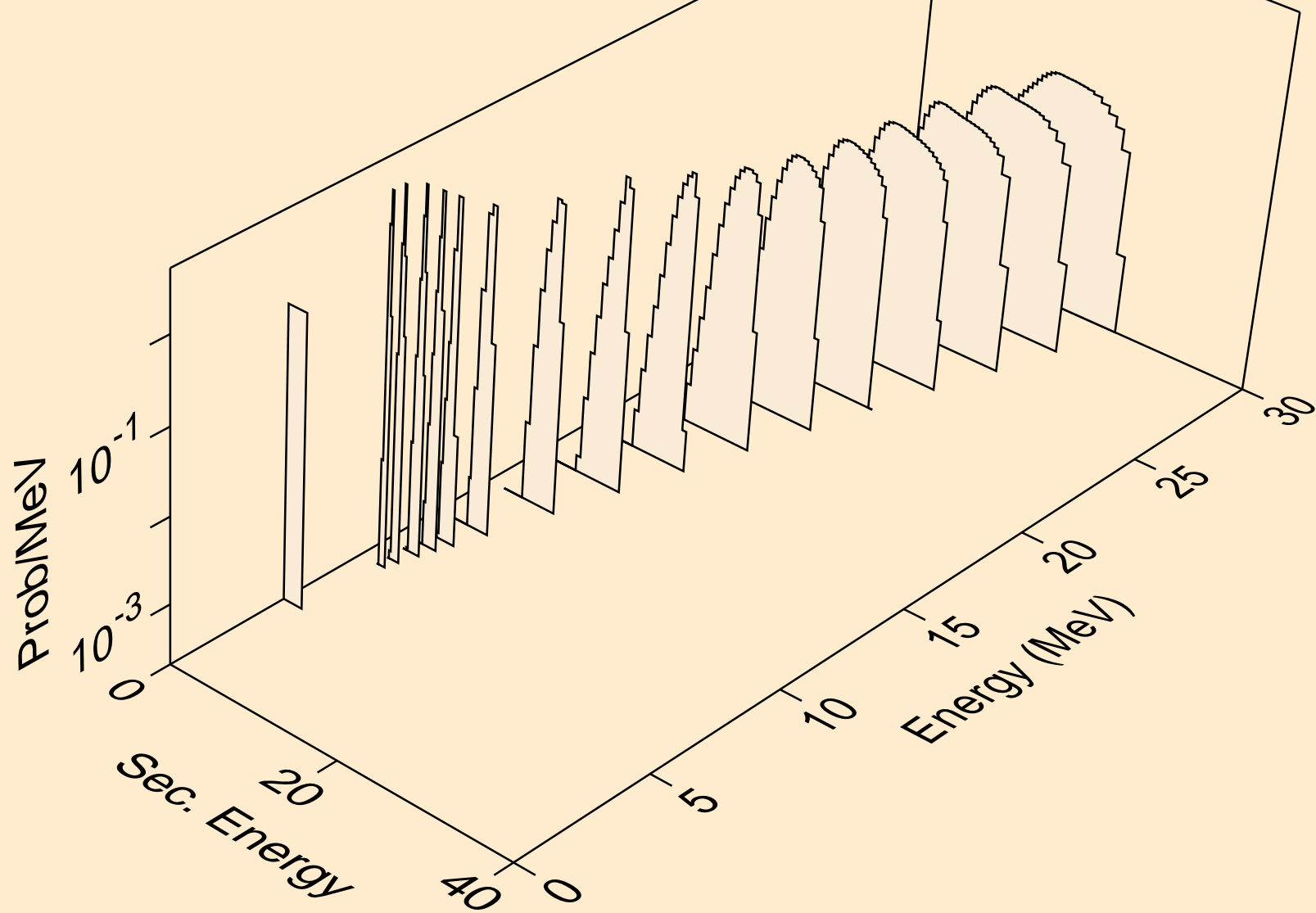
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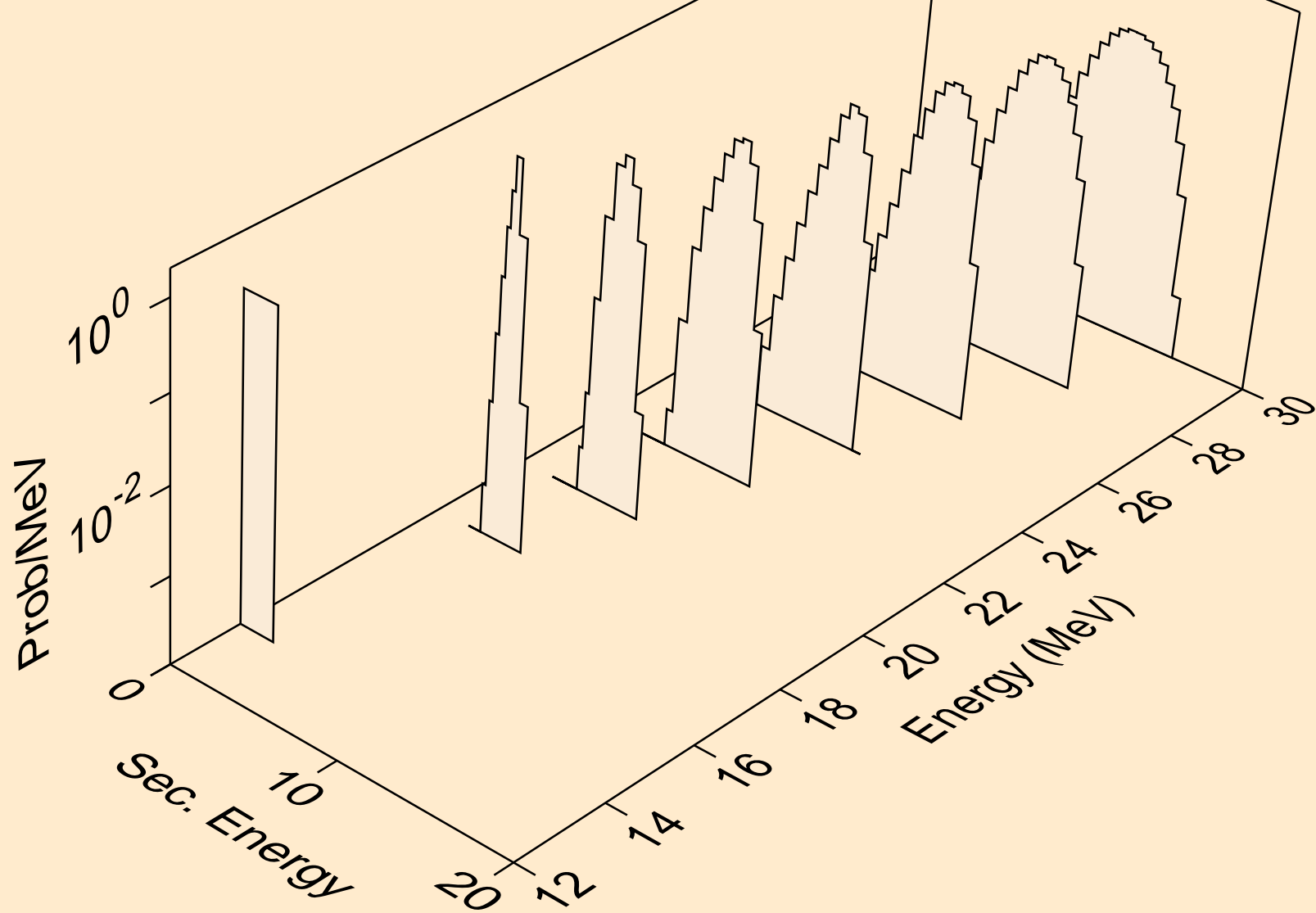
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alphas from (n,x)



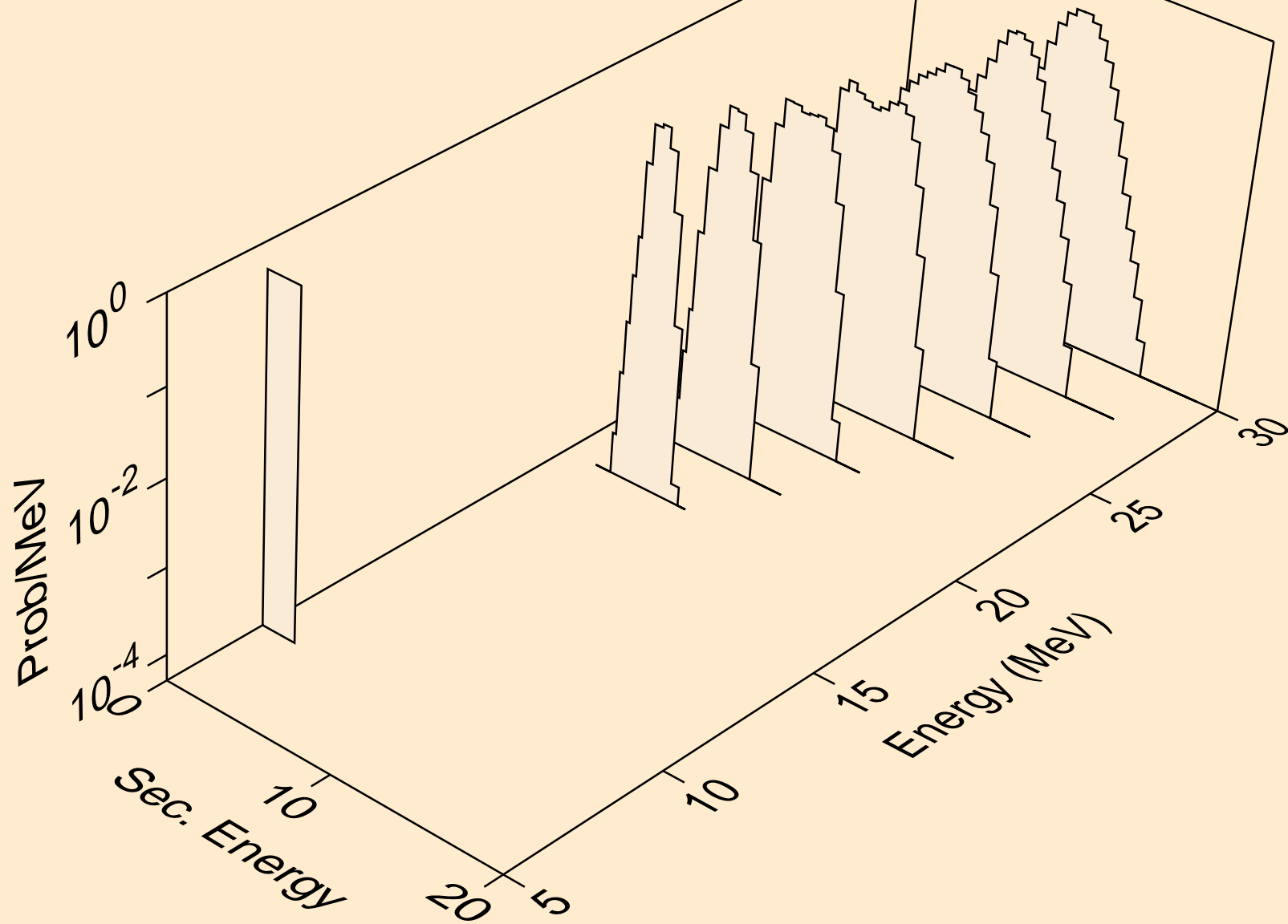
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a



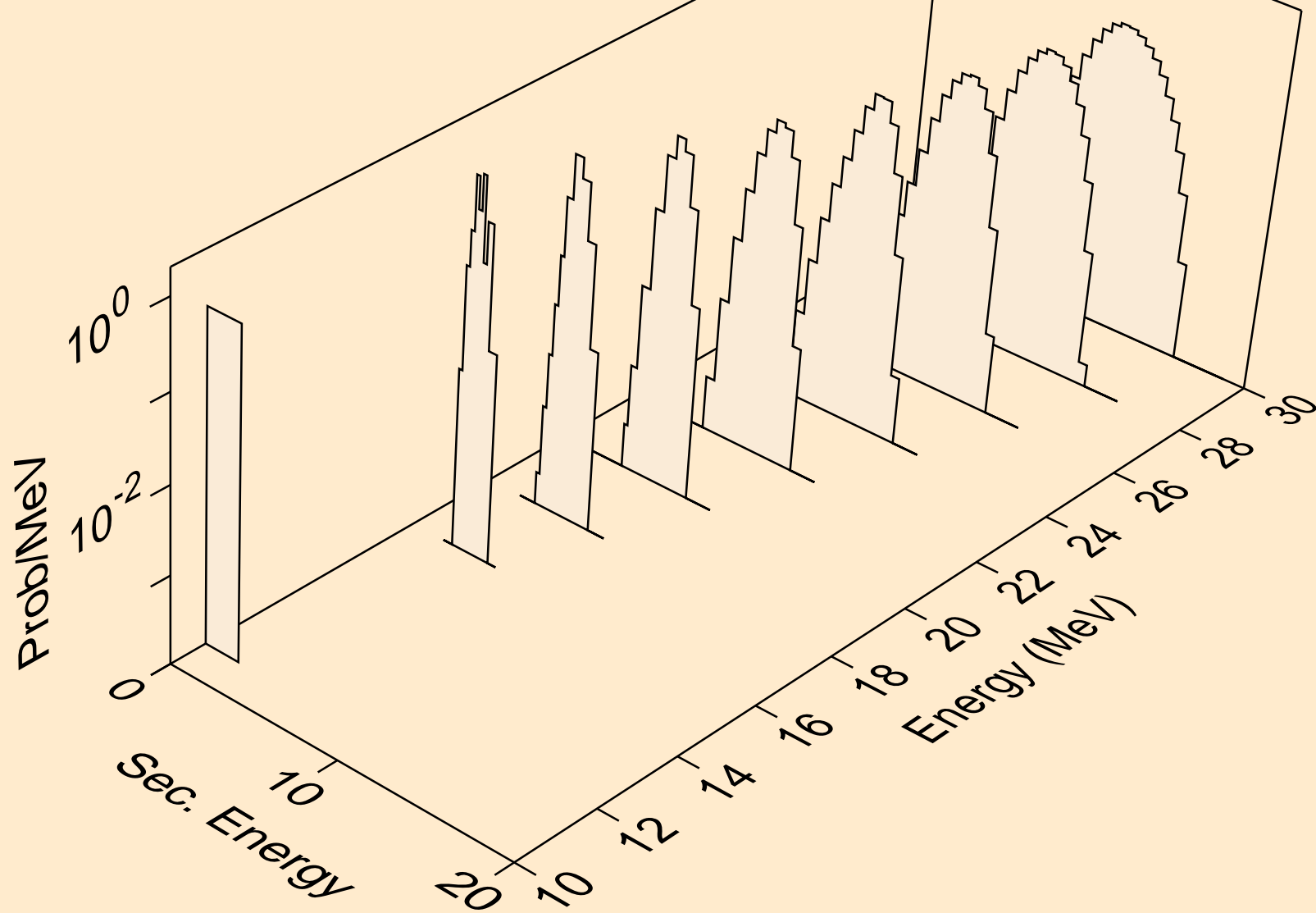
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a



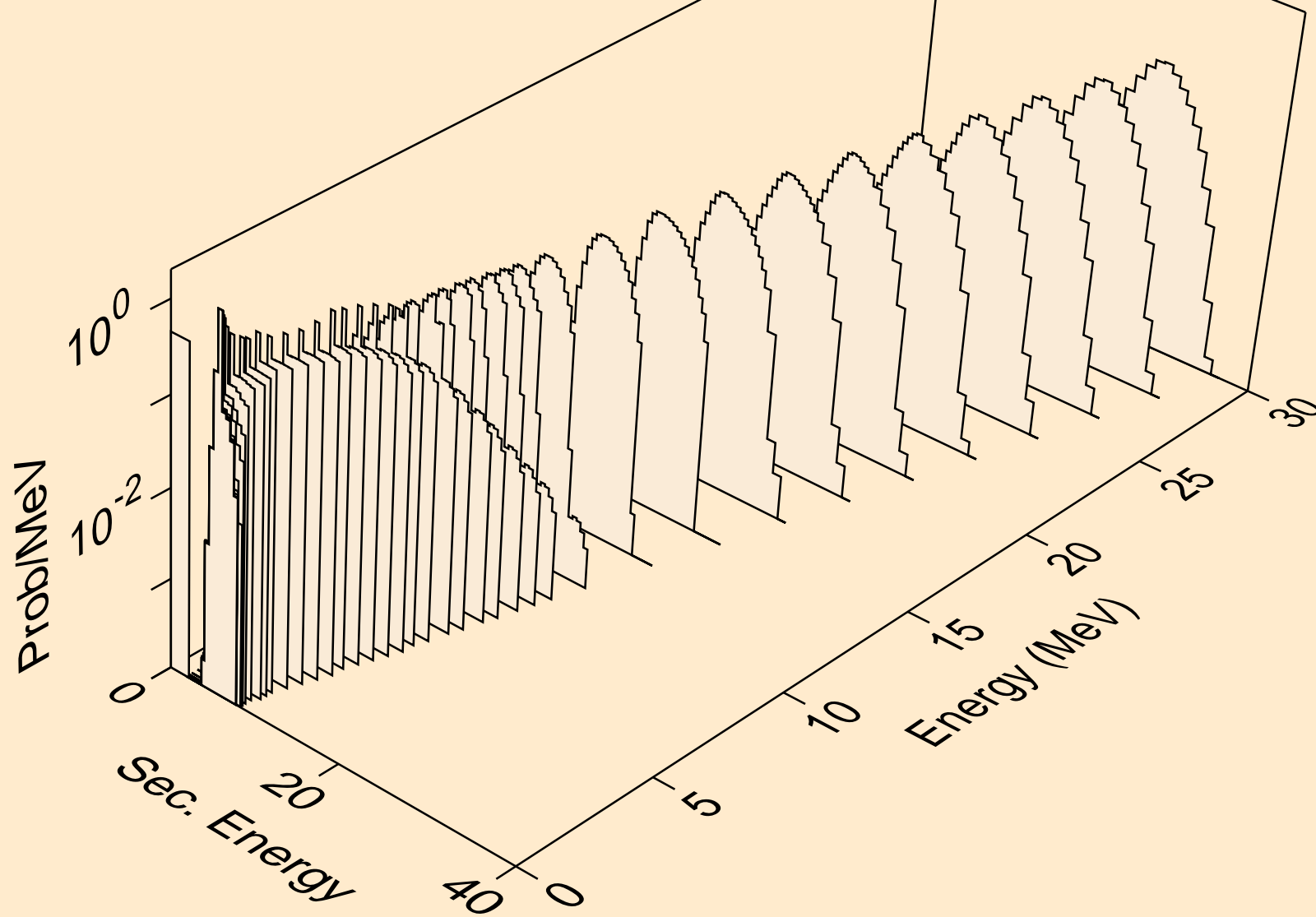
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)2a



ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)

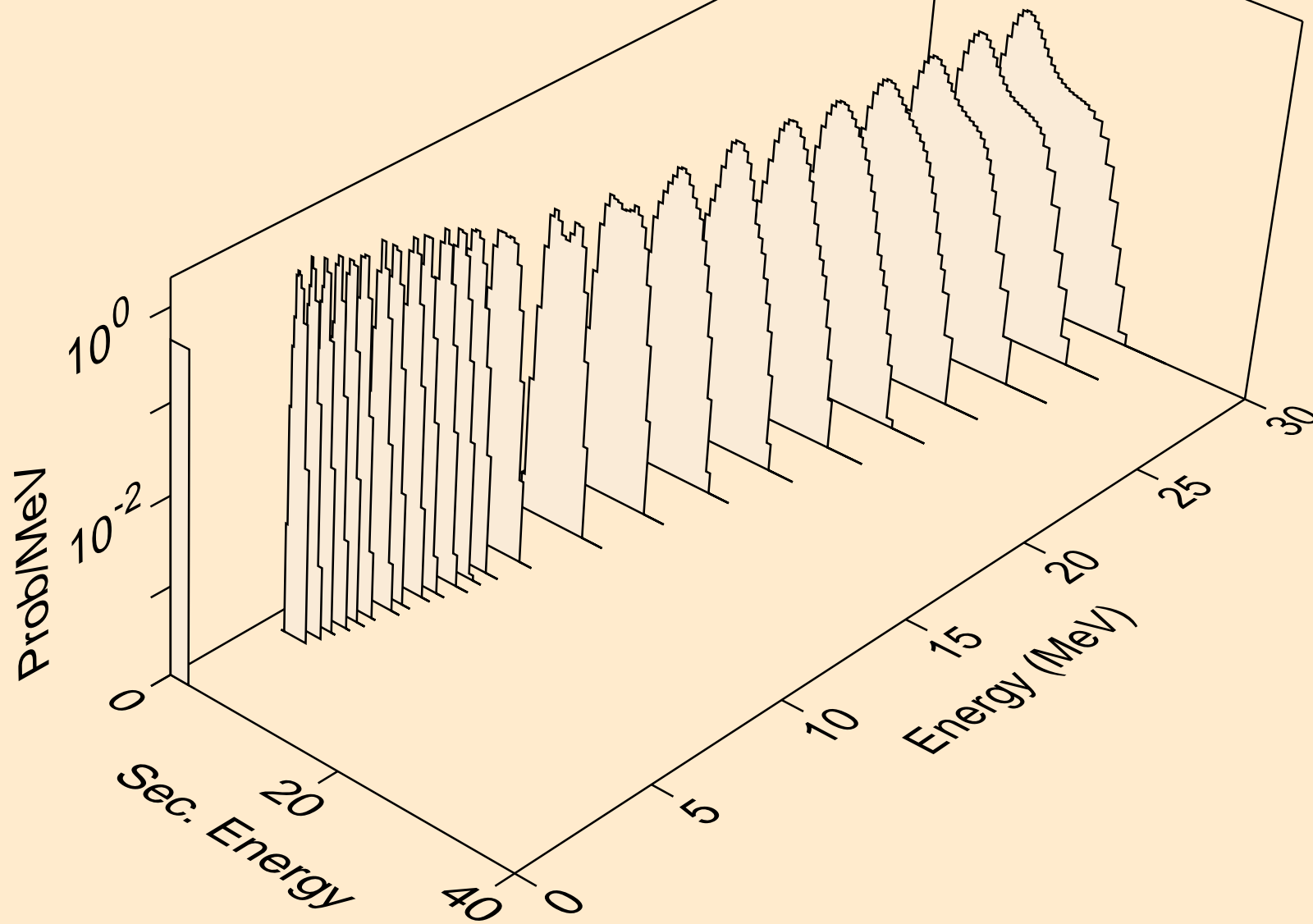


ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)

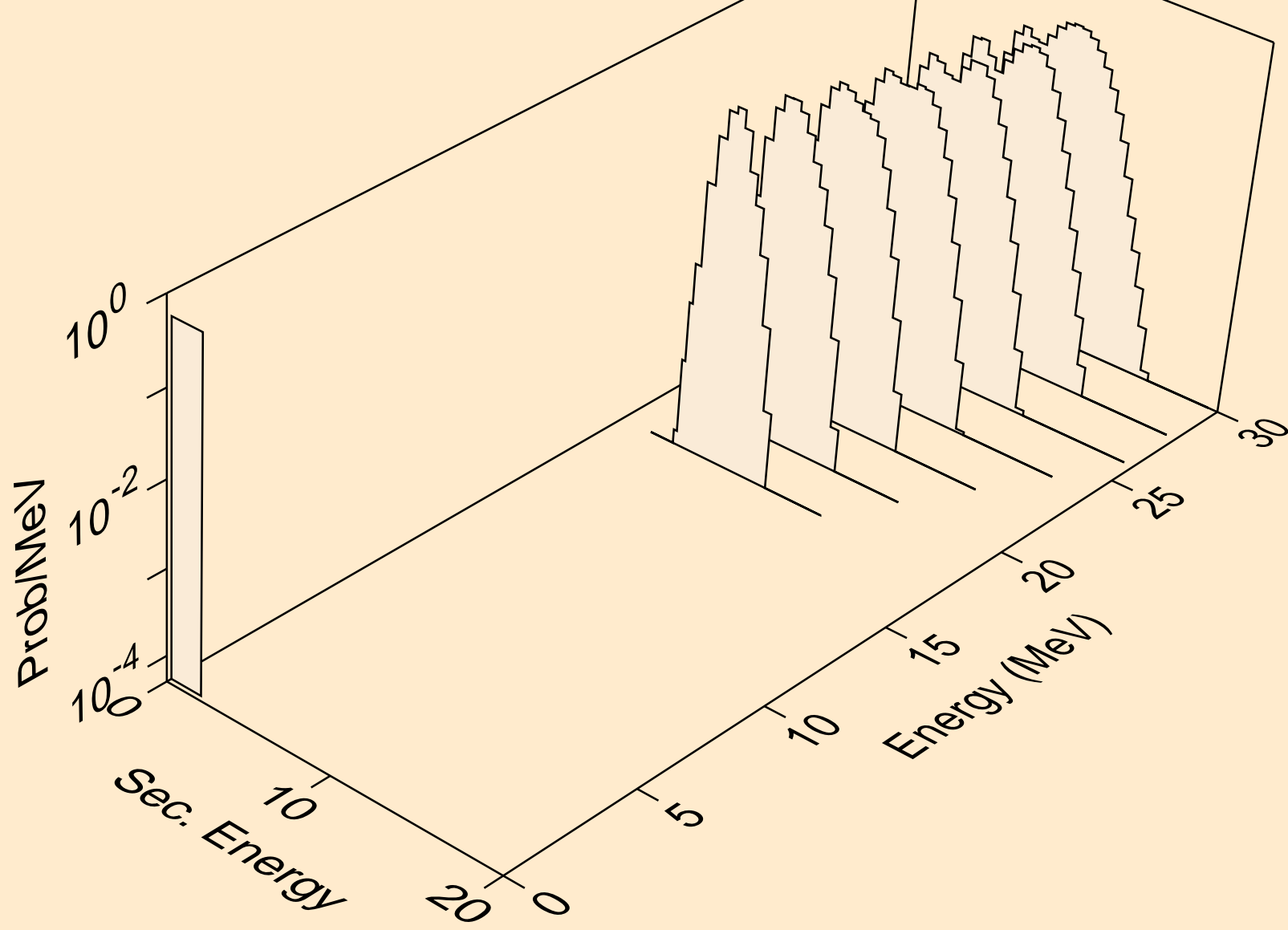




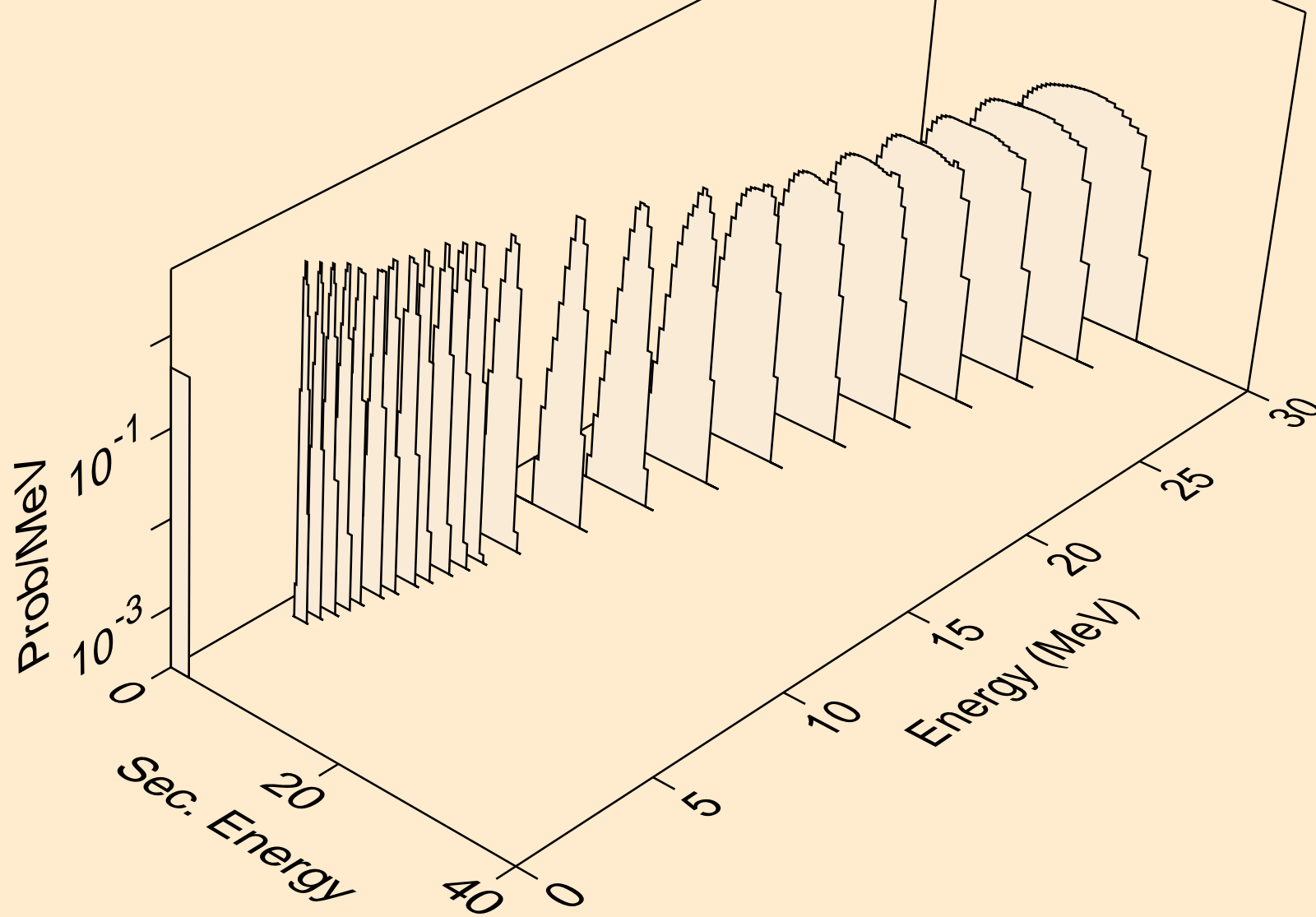
ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3a)



ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)



ZR085 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

