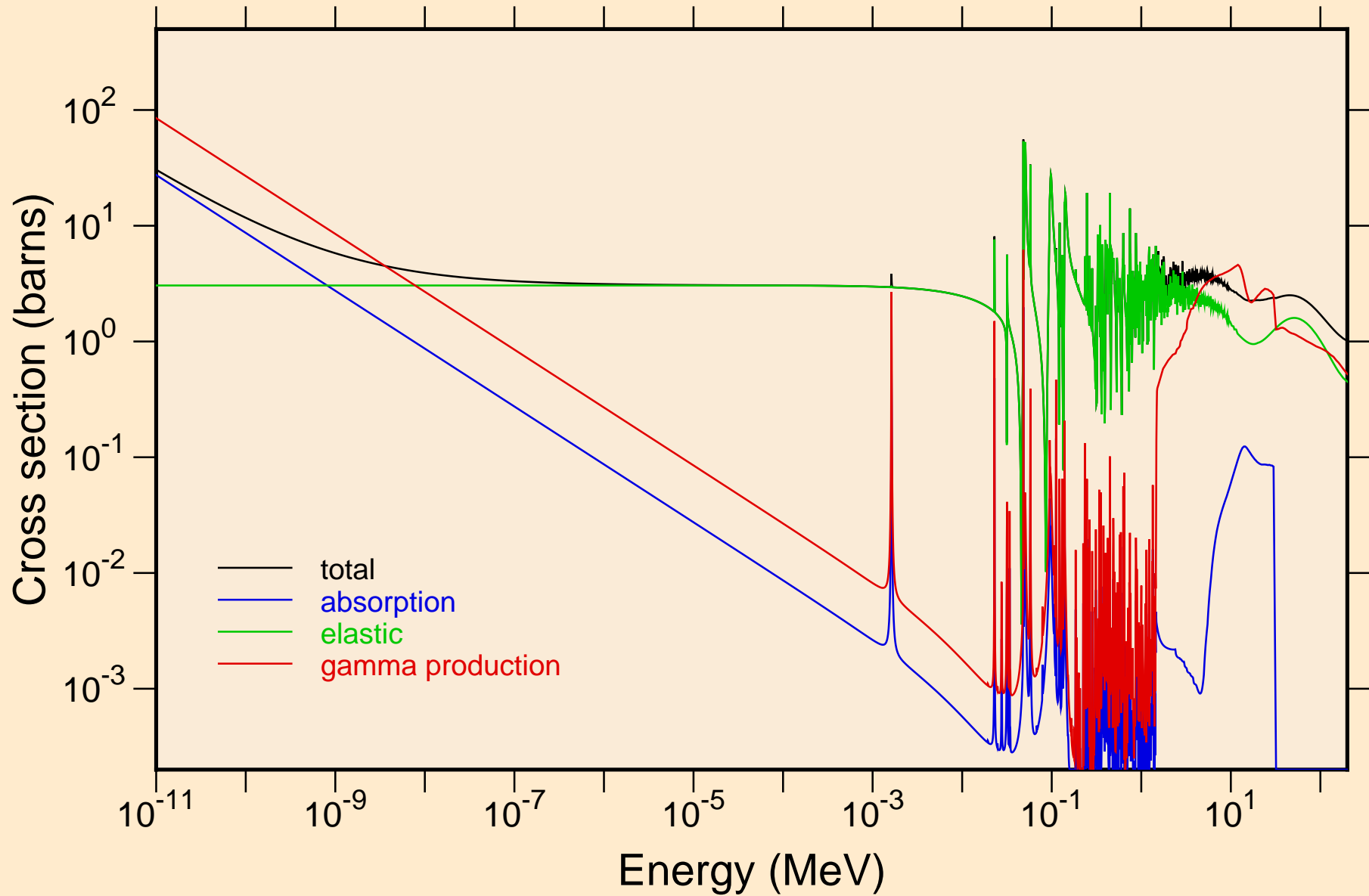
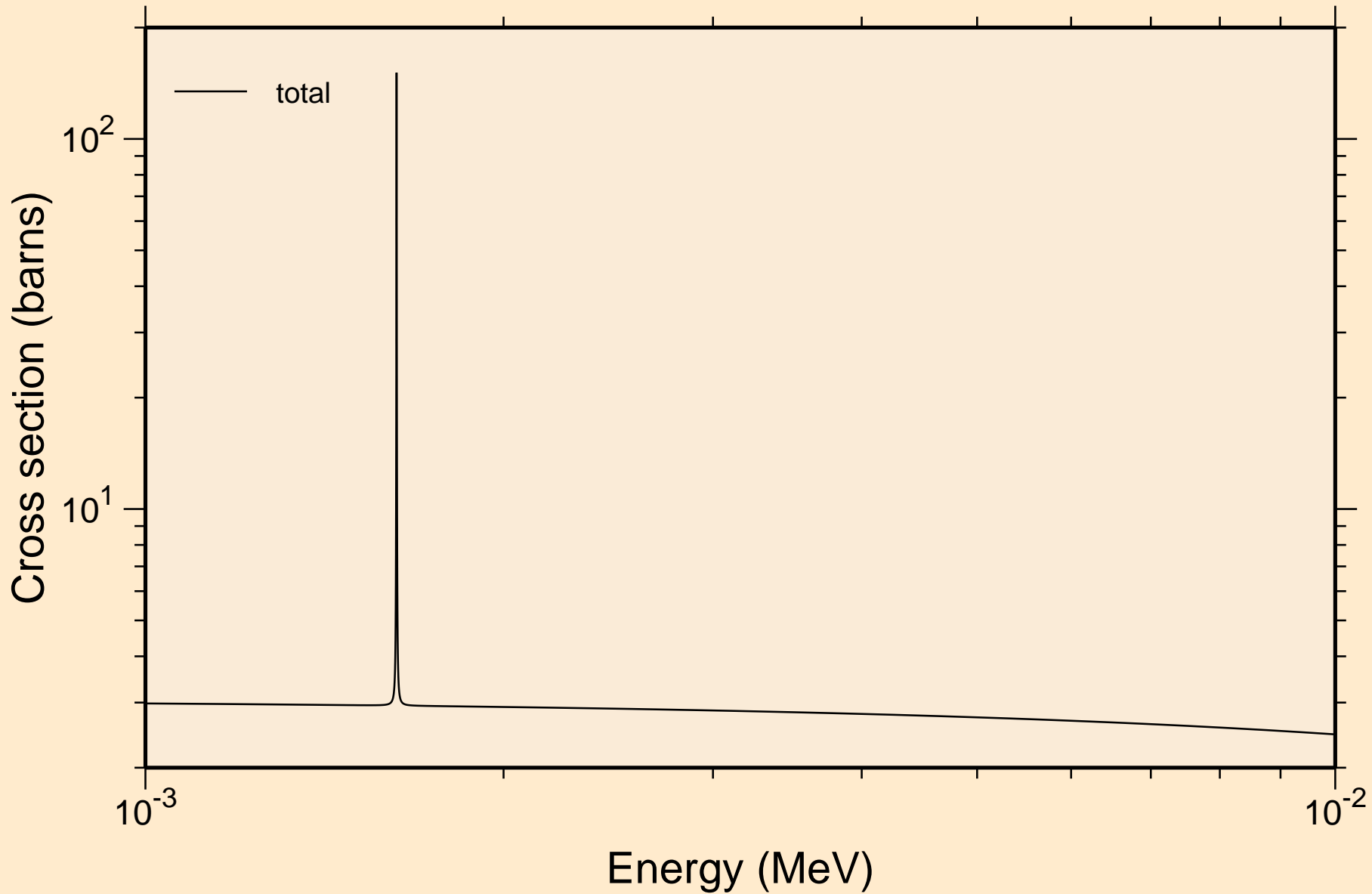


# CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

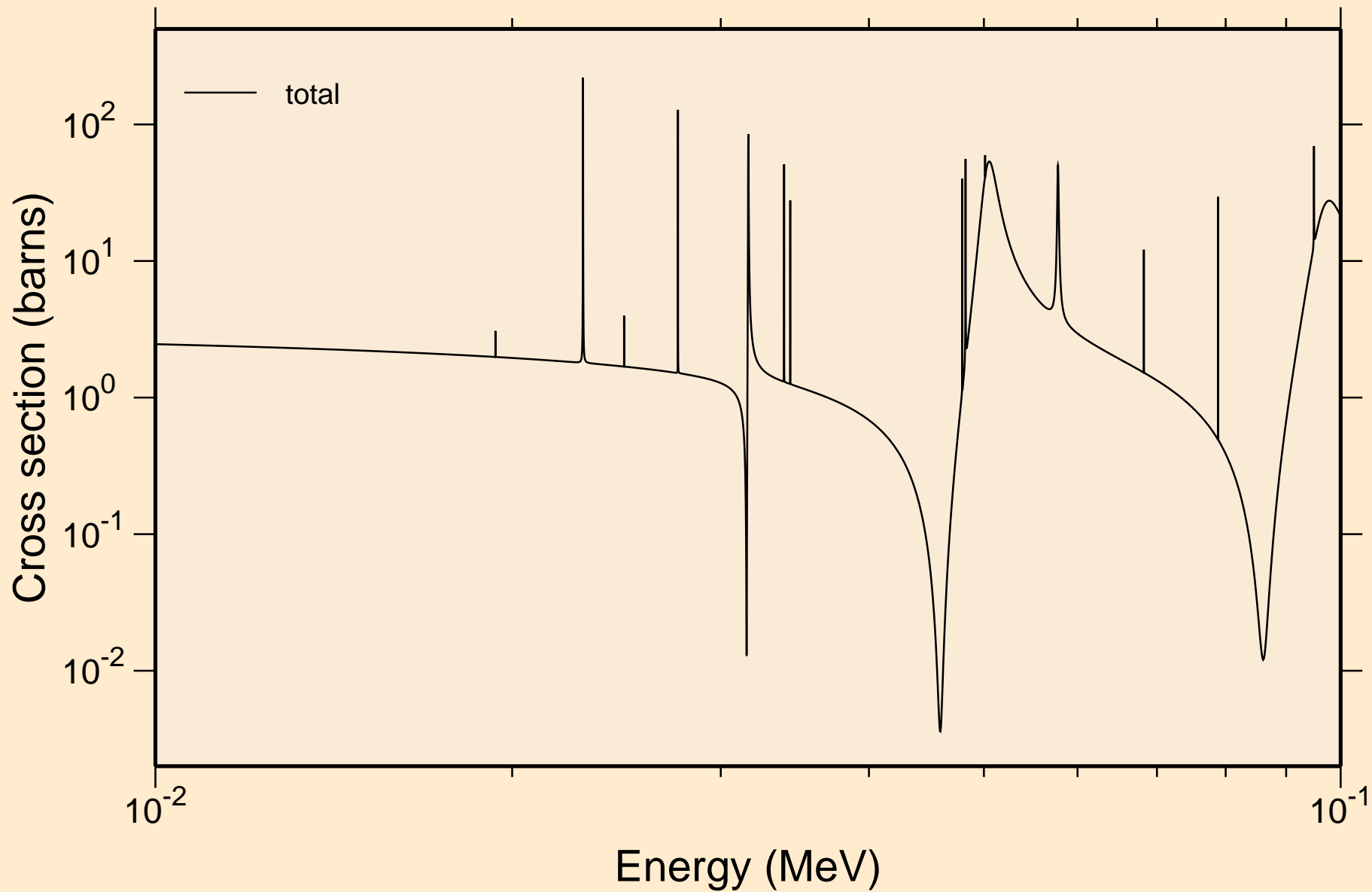
## Principal cross sections



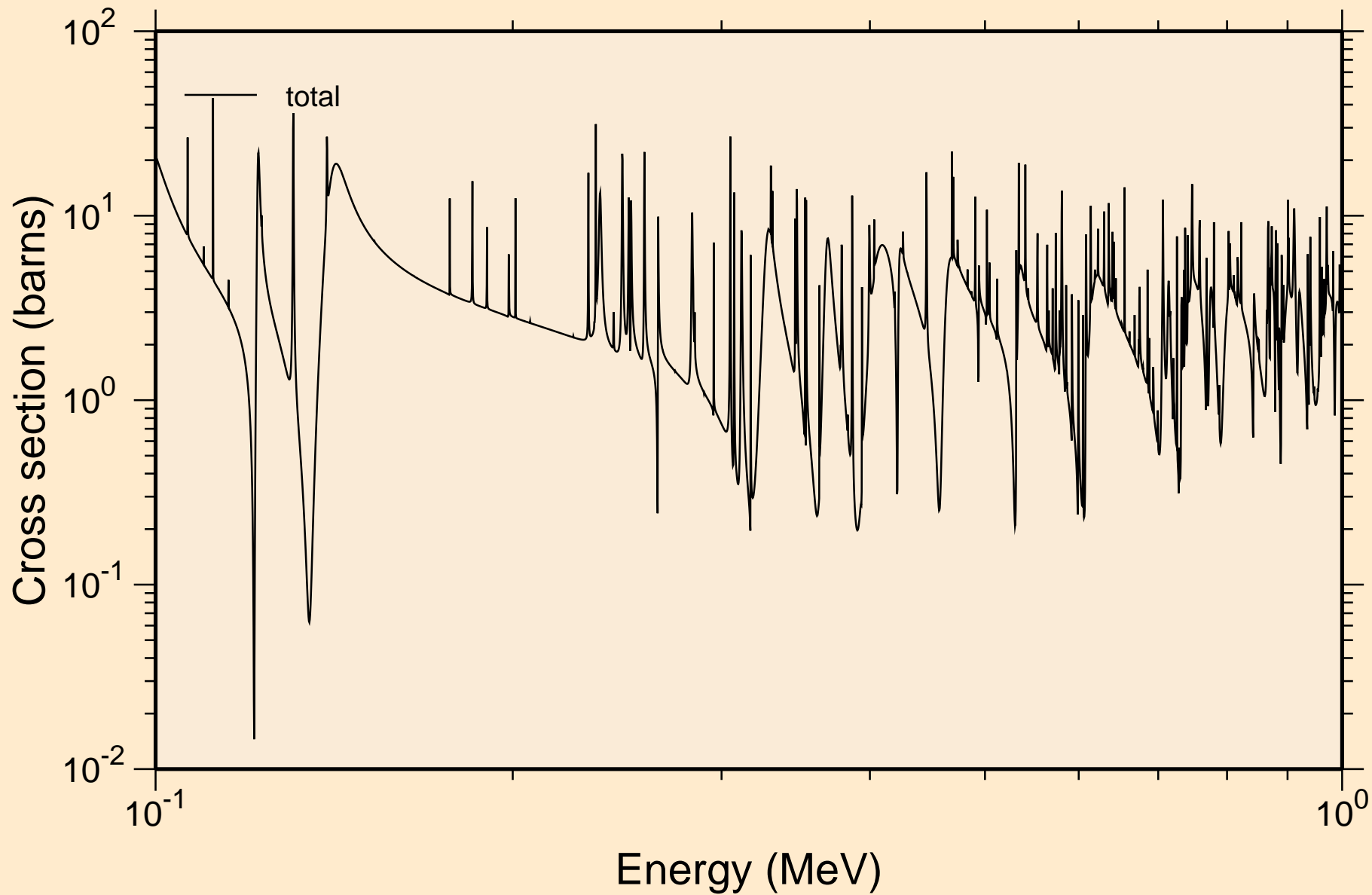
CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



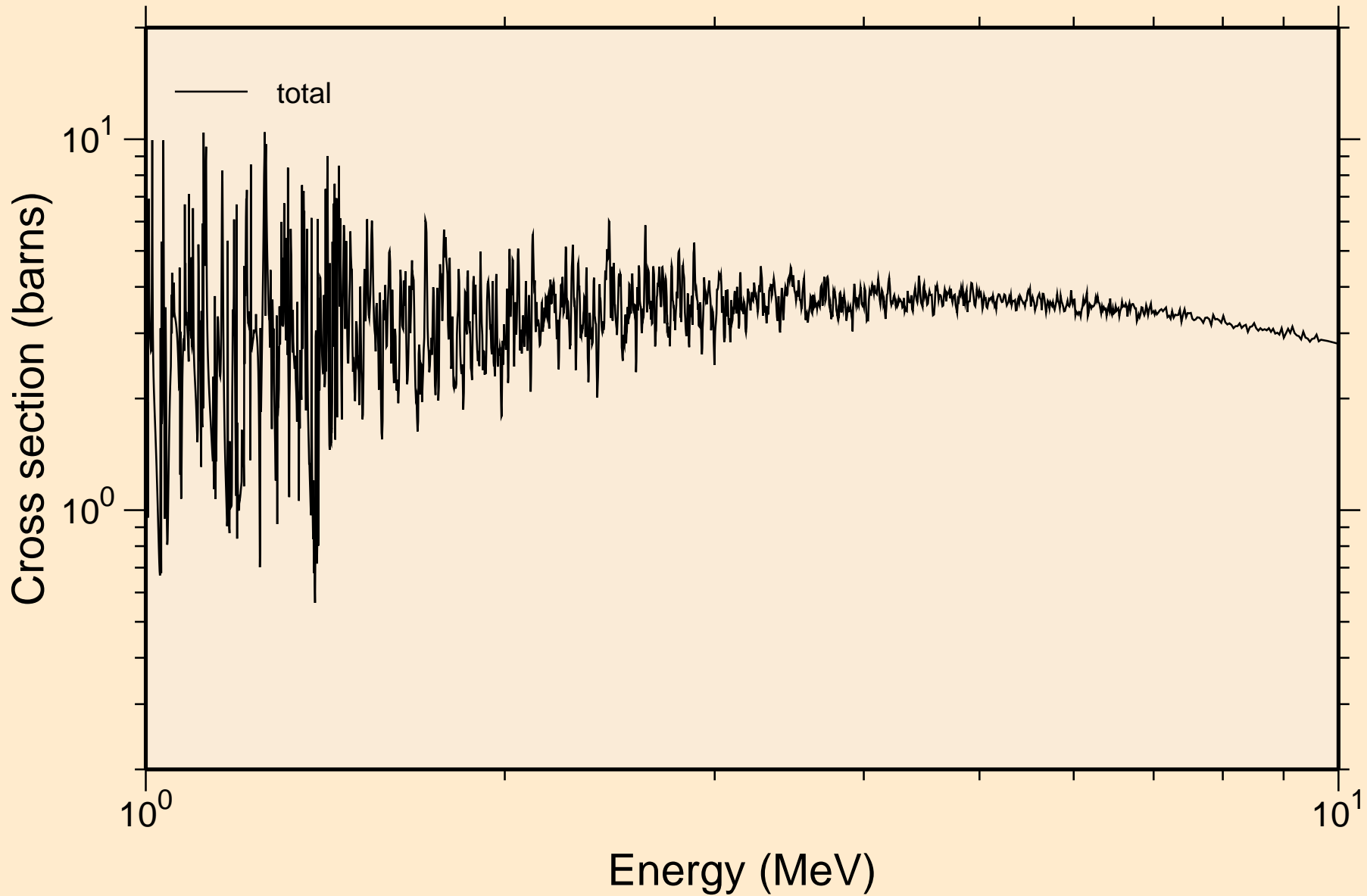
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resonance total cross section



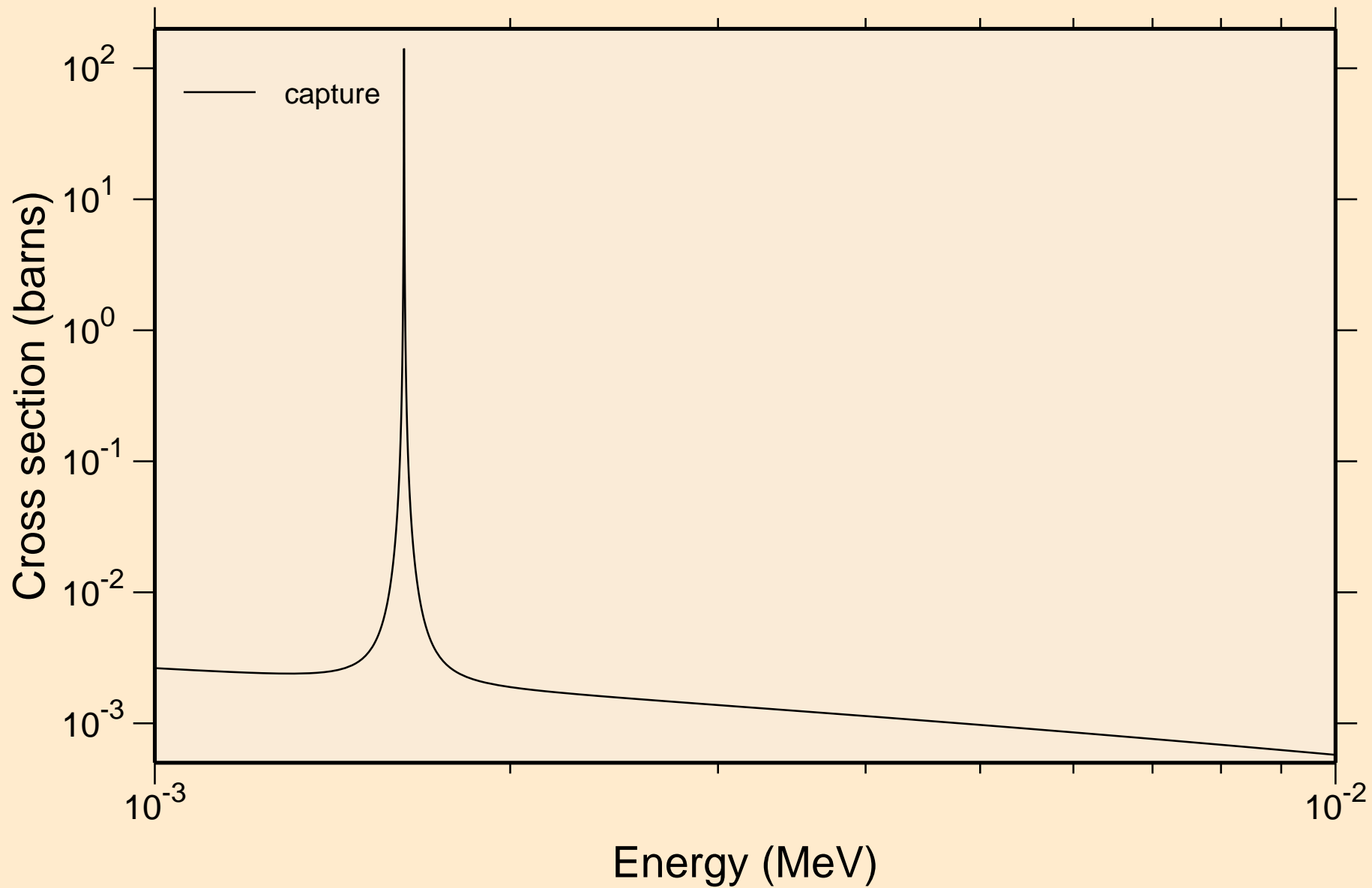
CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



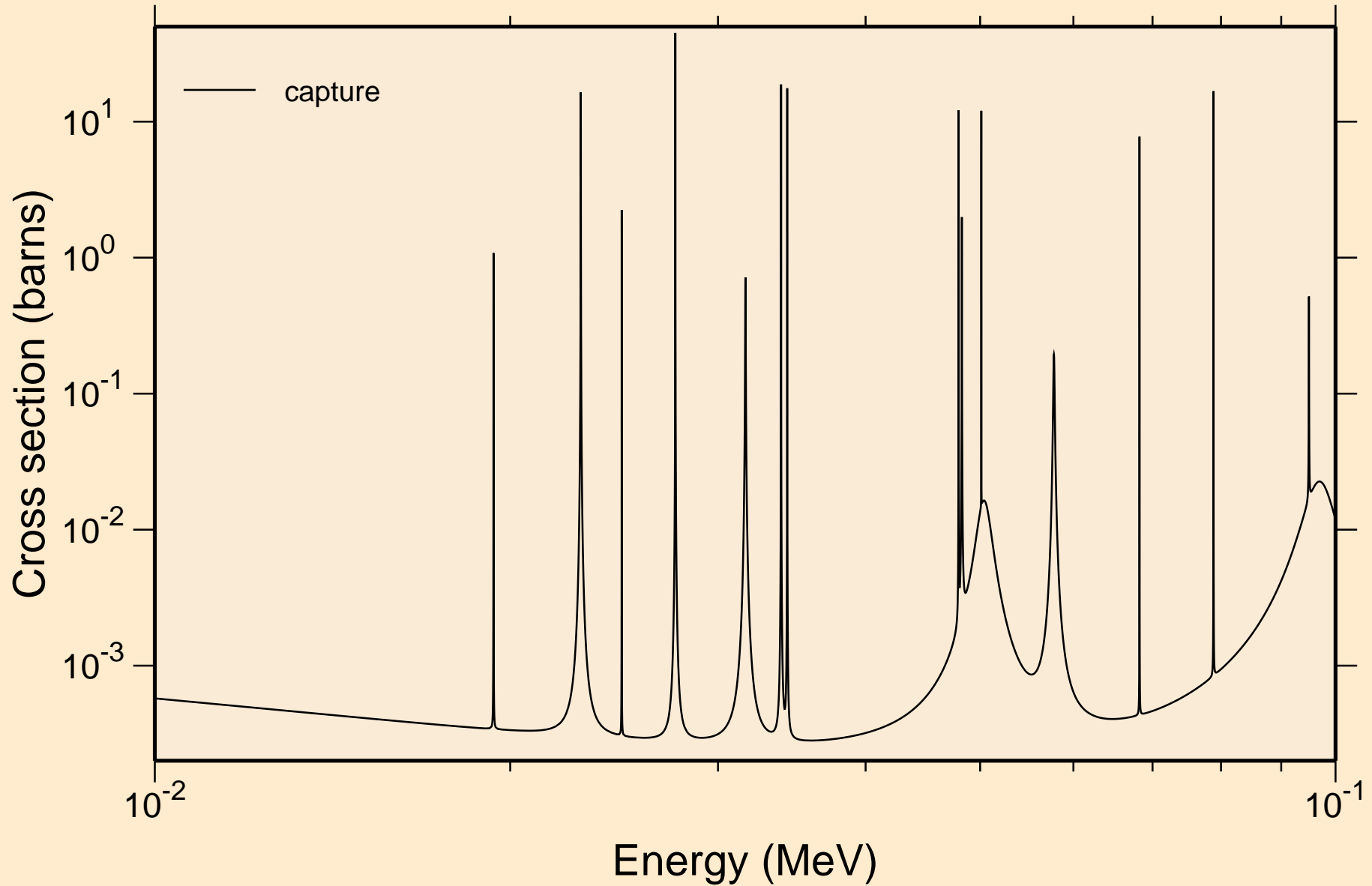
CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



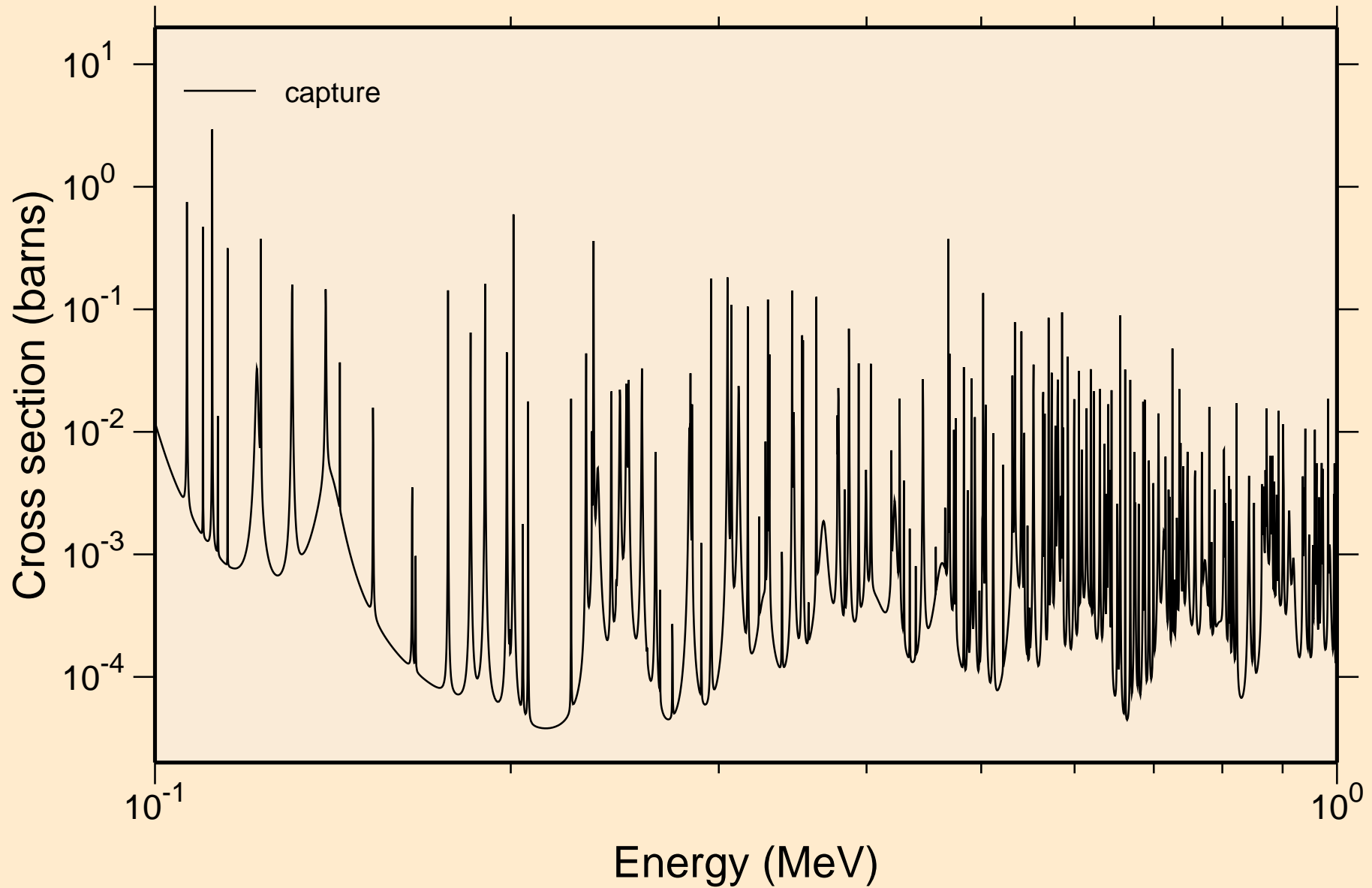
CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

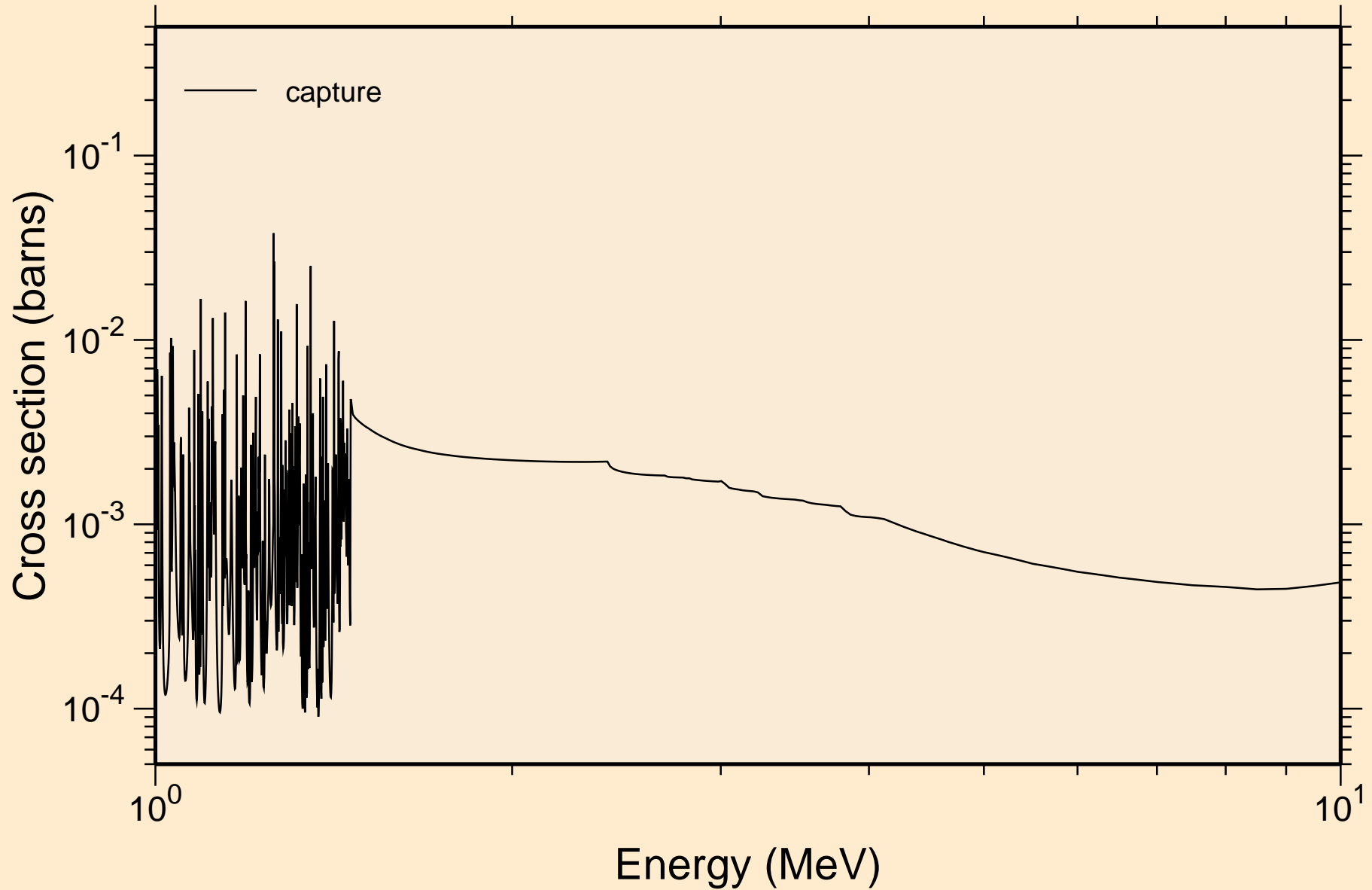


CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

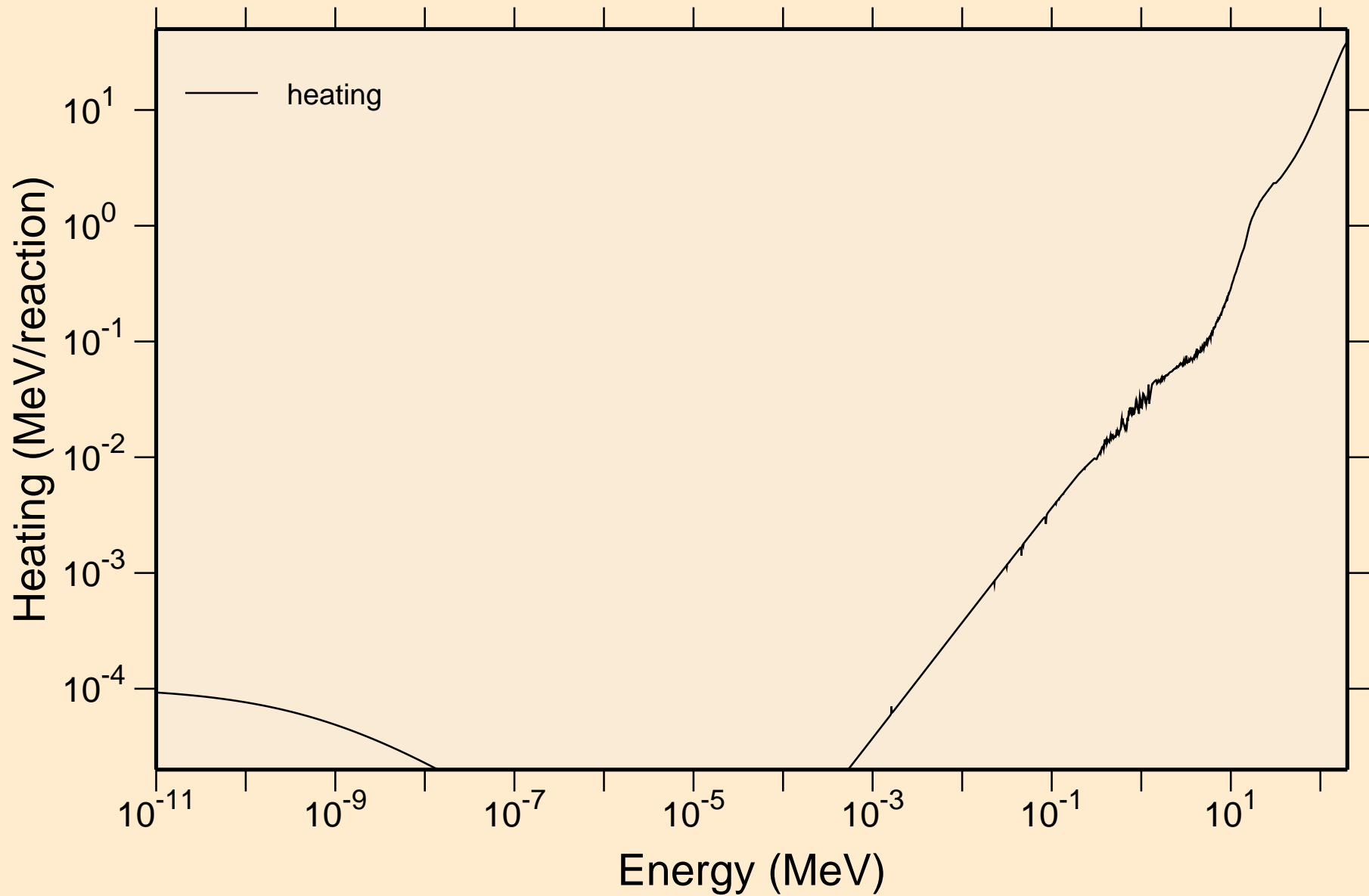




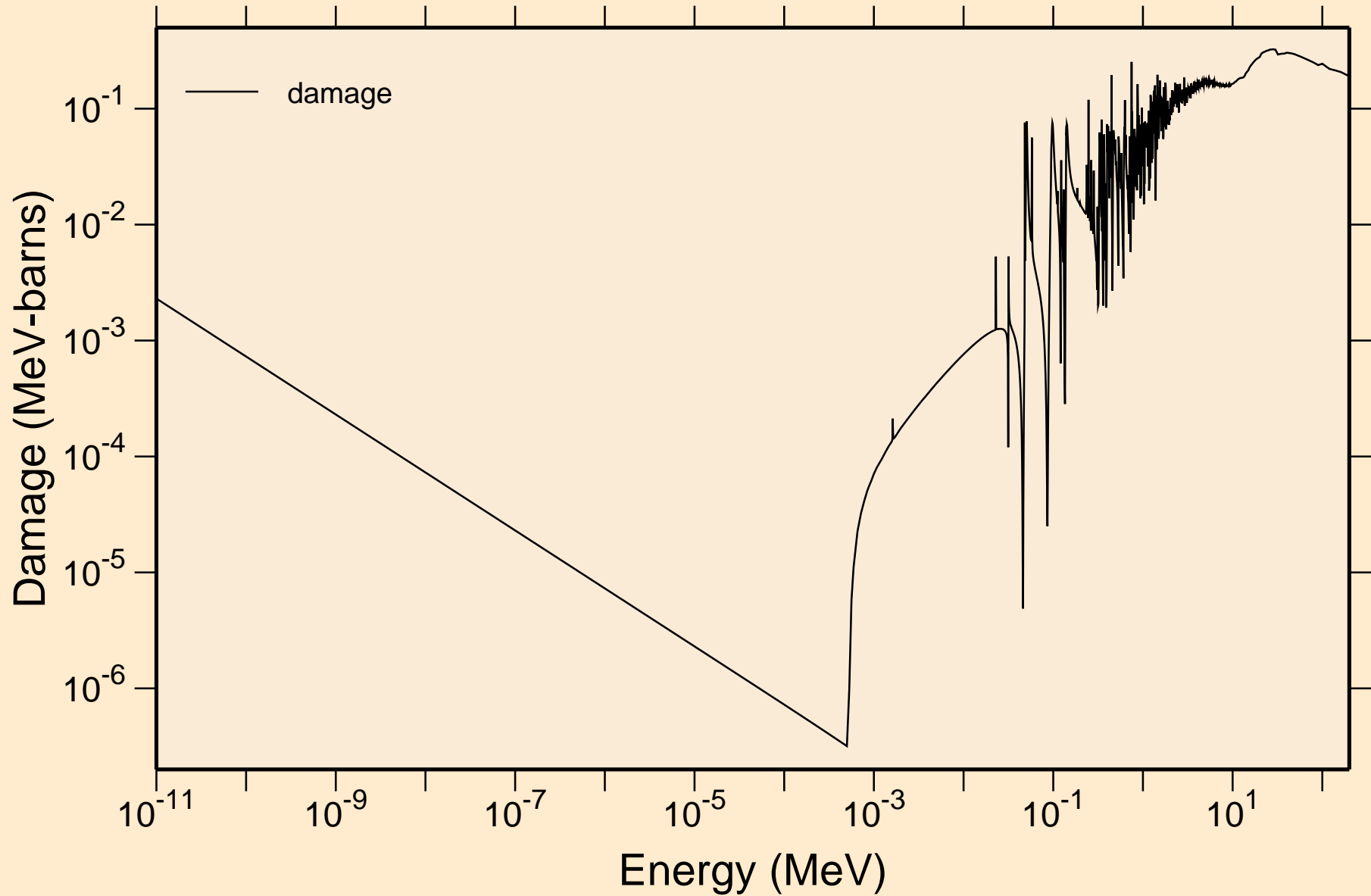
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resonance absorption cross sections



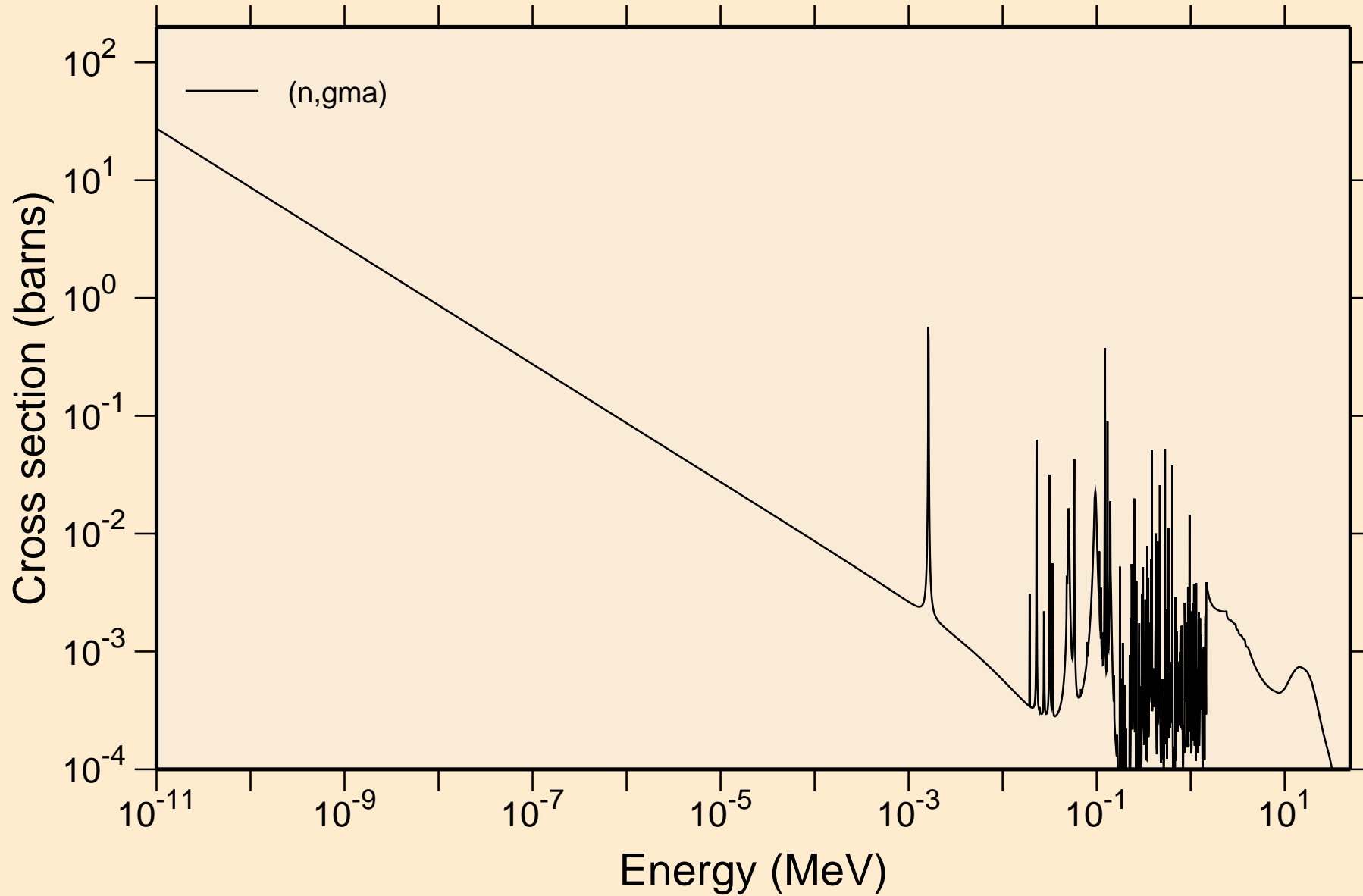
CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage

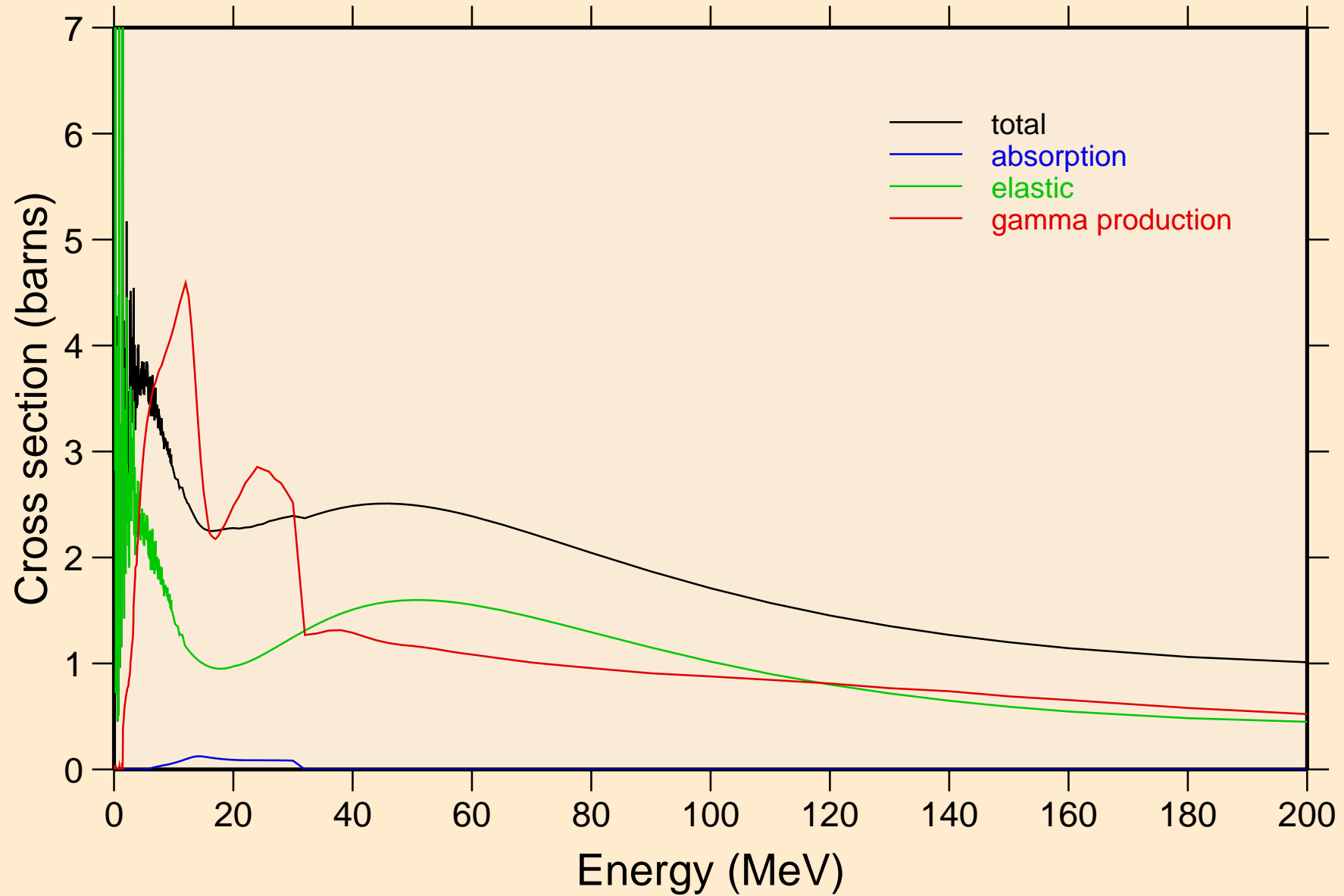


CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



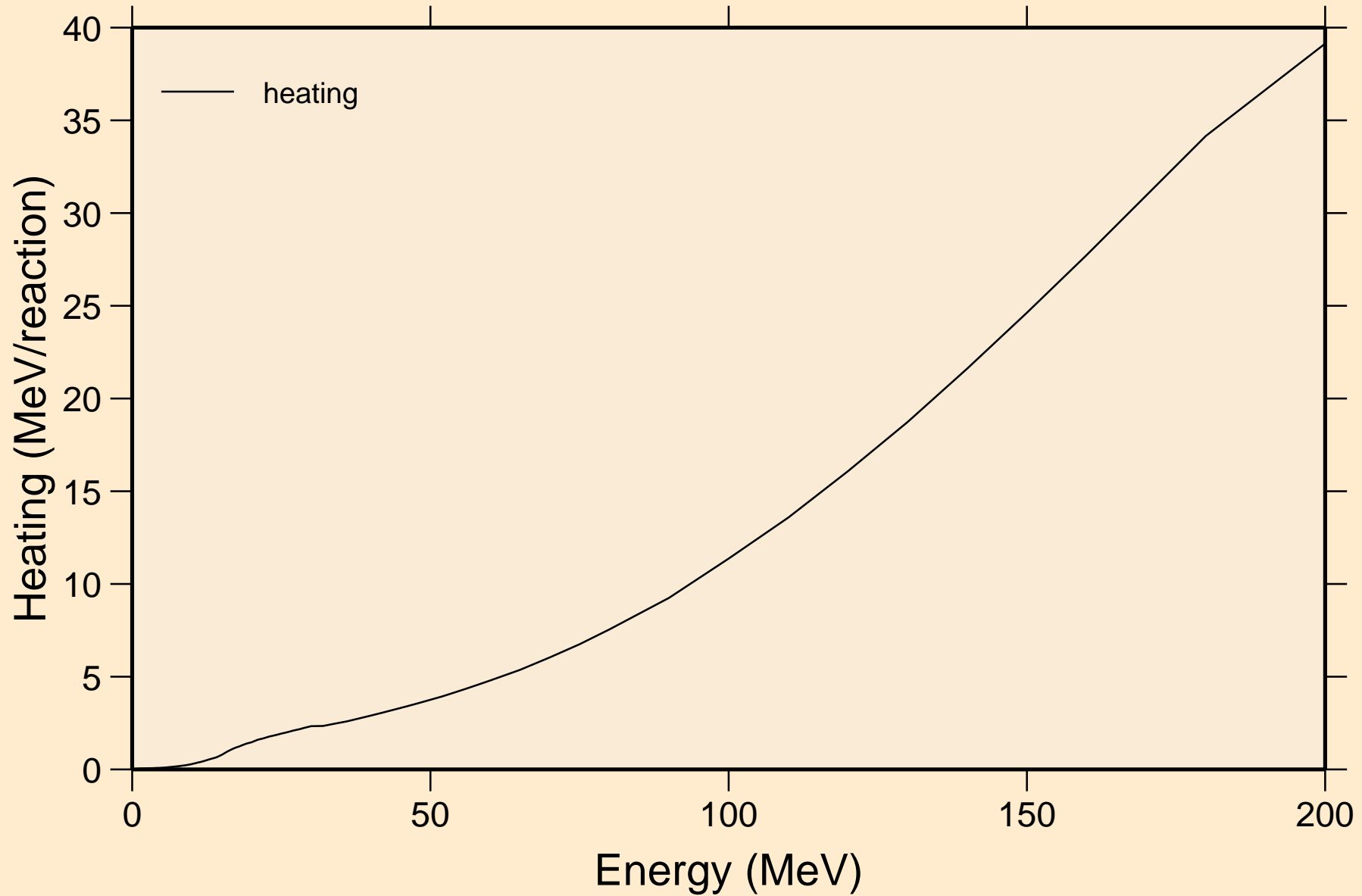
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## Principal cross sections



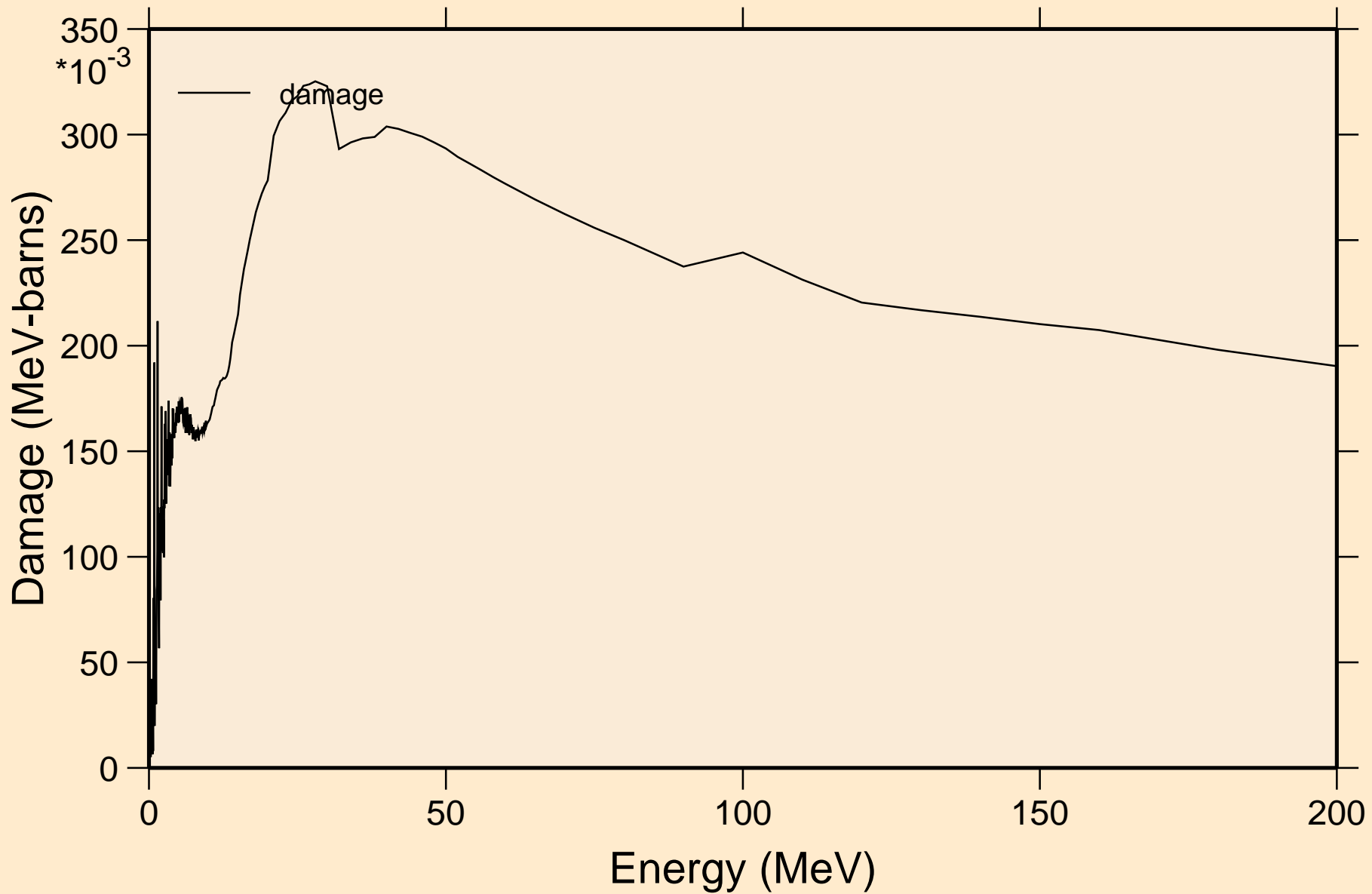
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## Heating

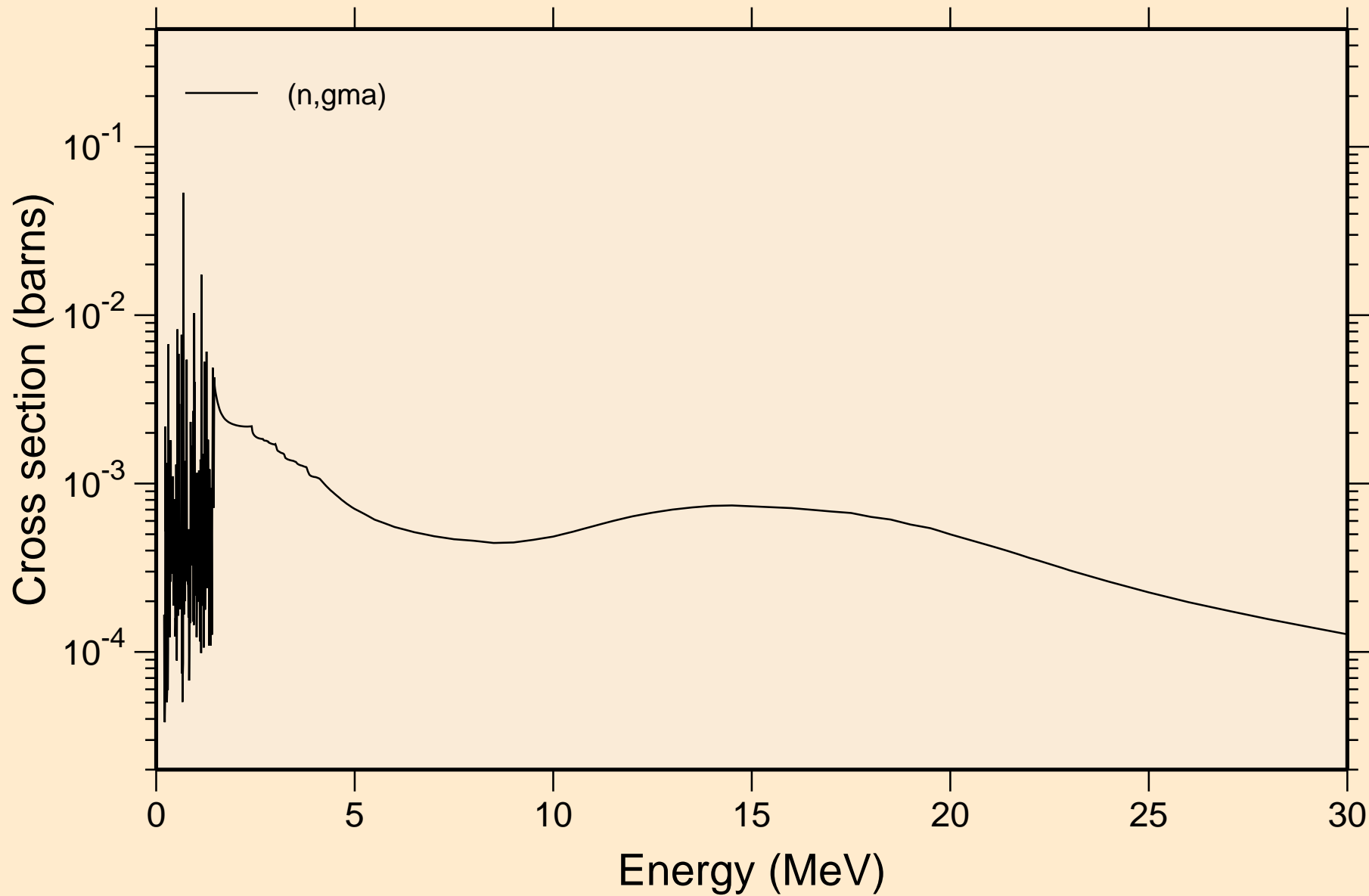


# CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage

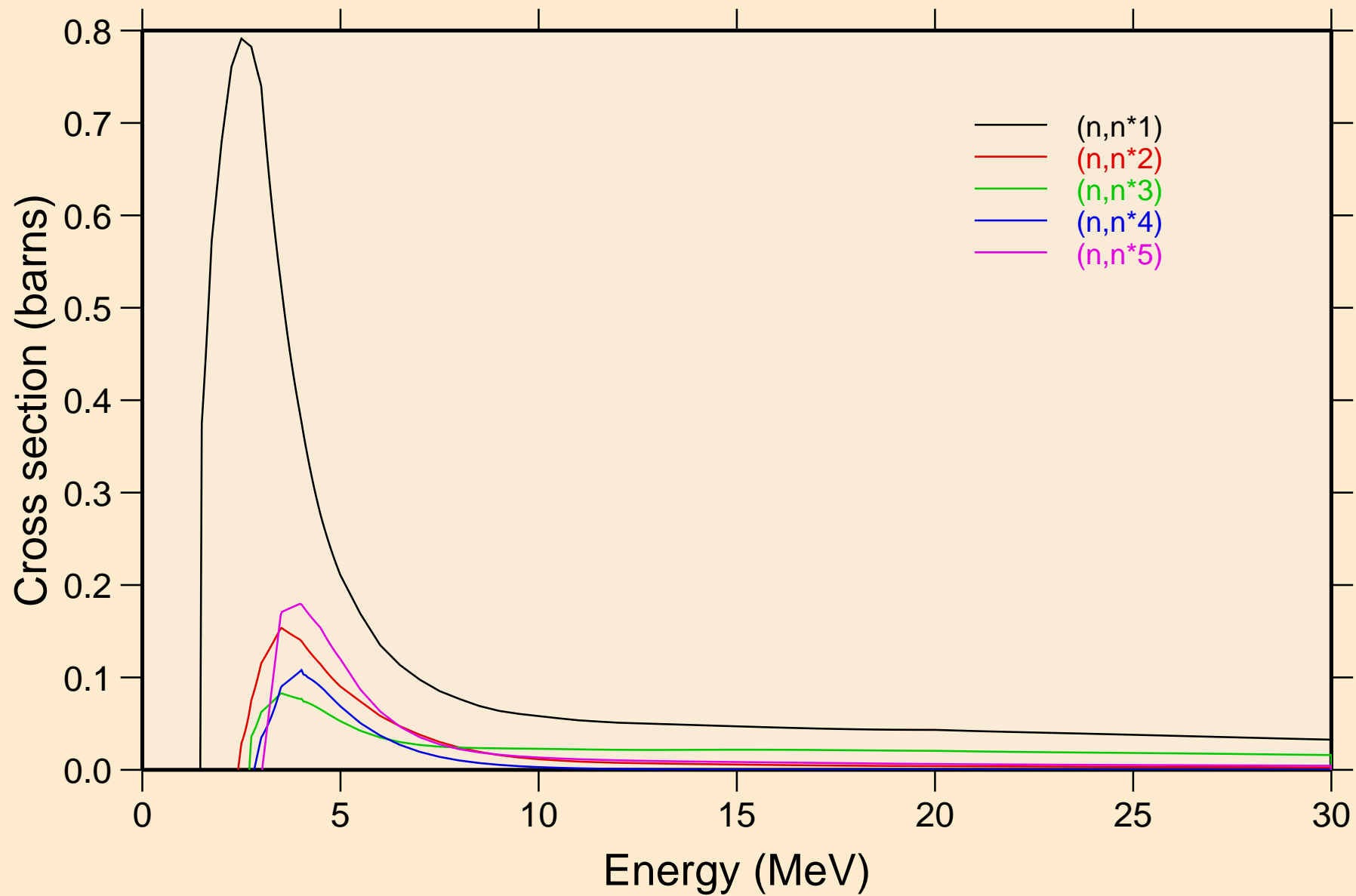


CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

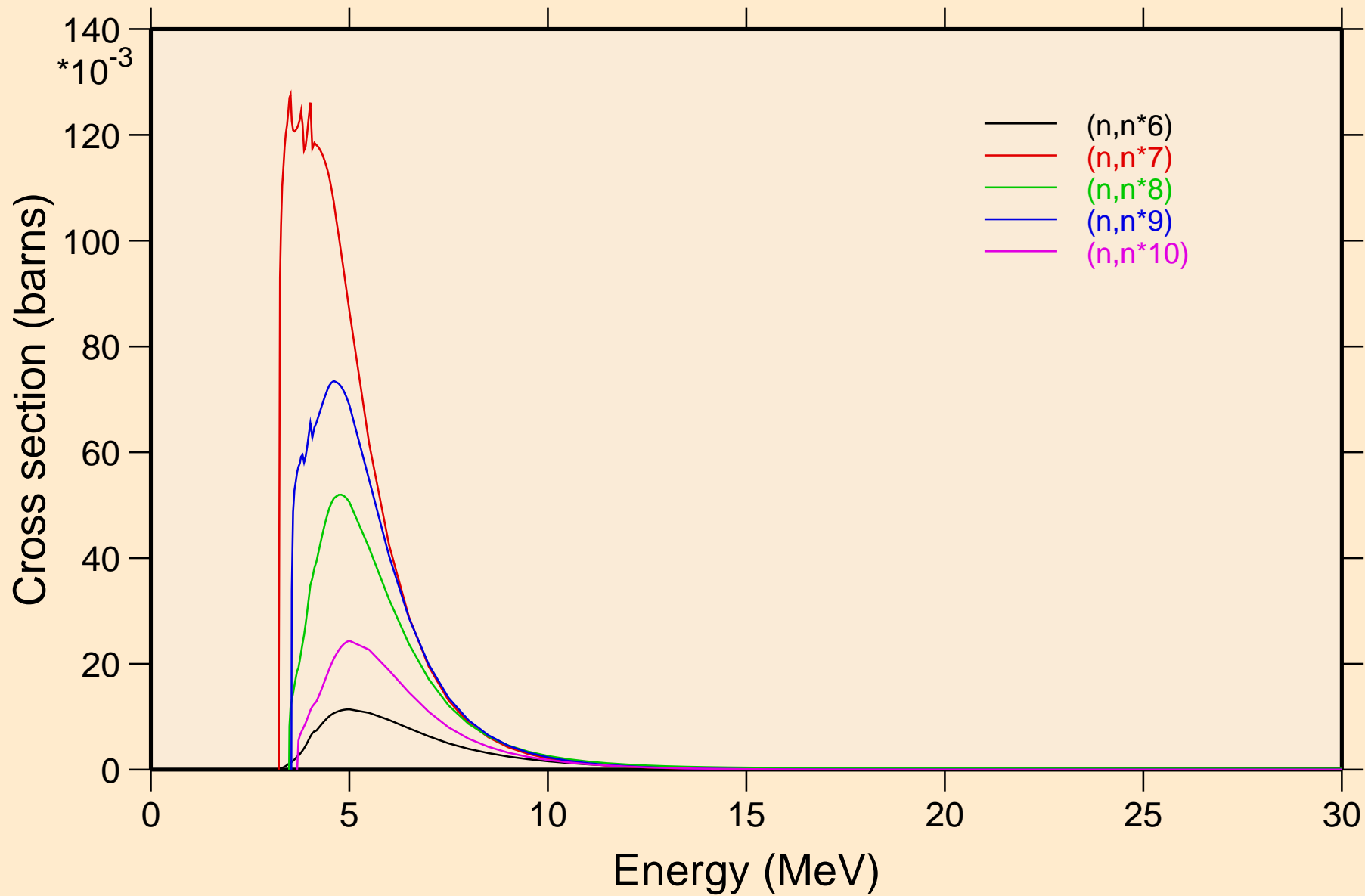




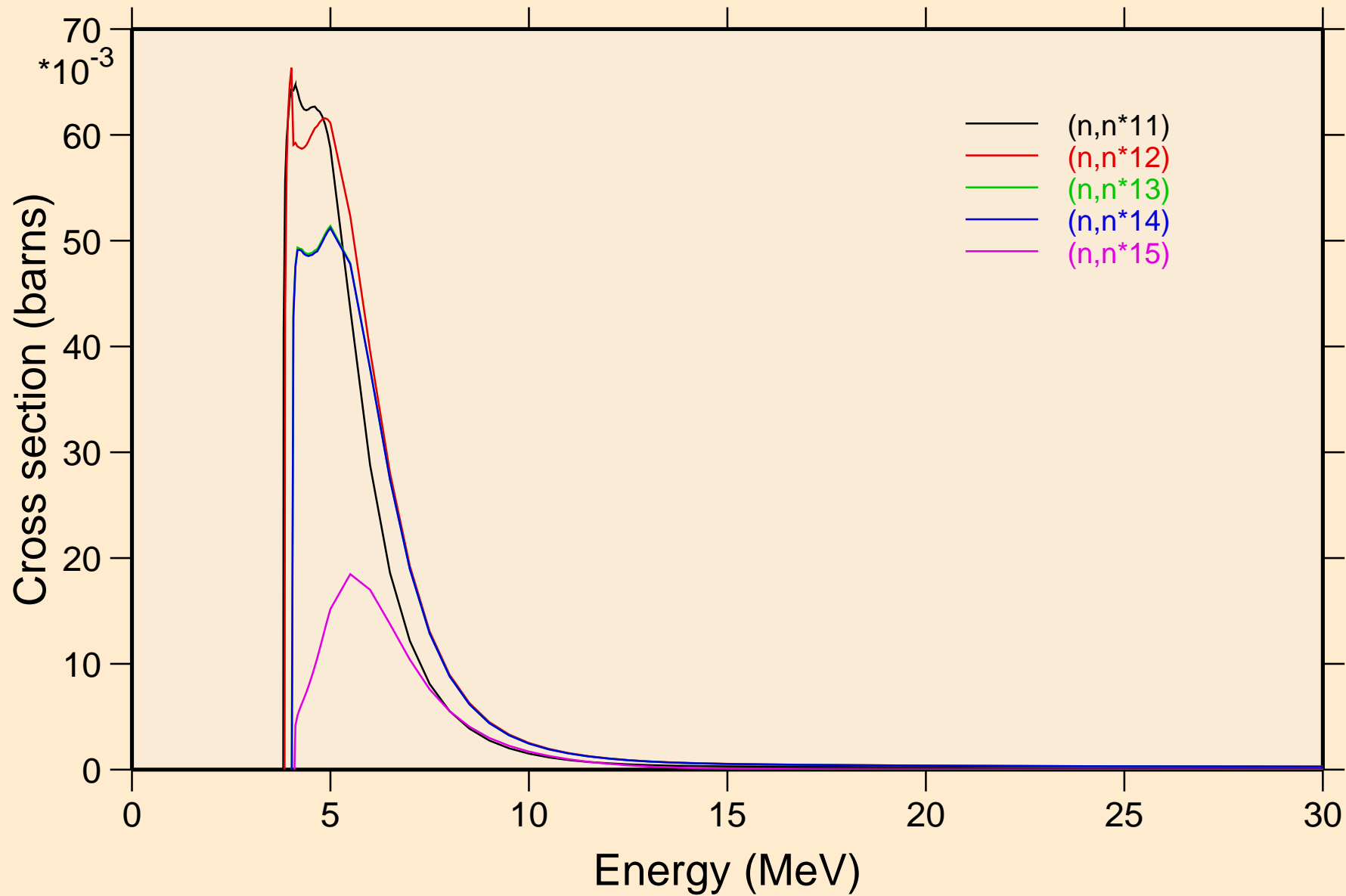
CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



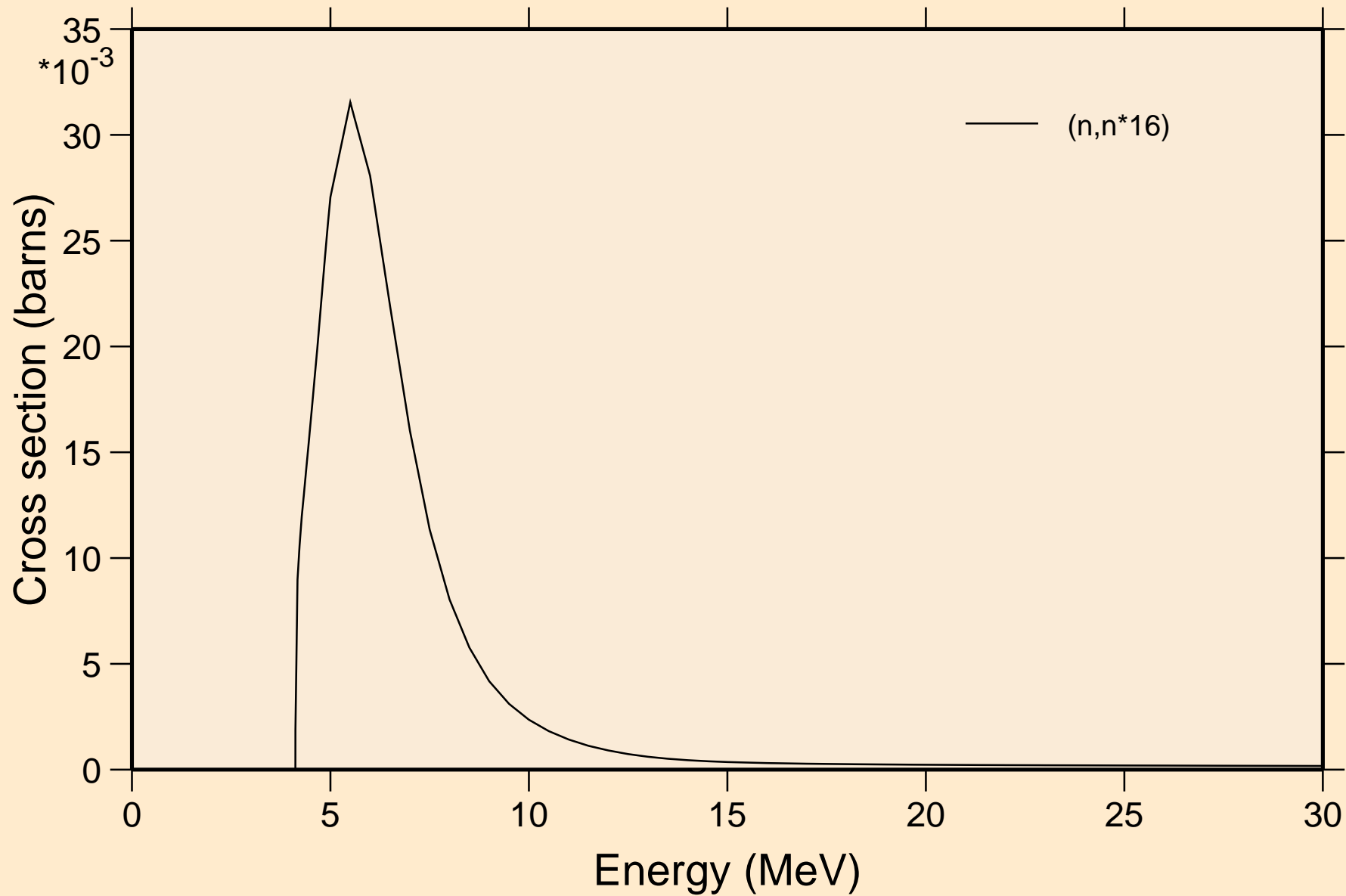
CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

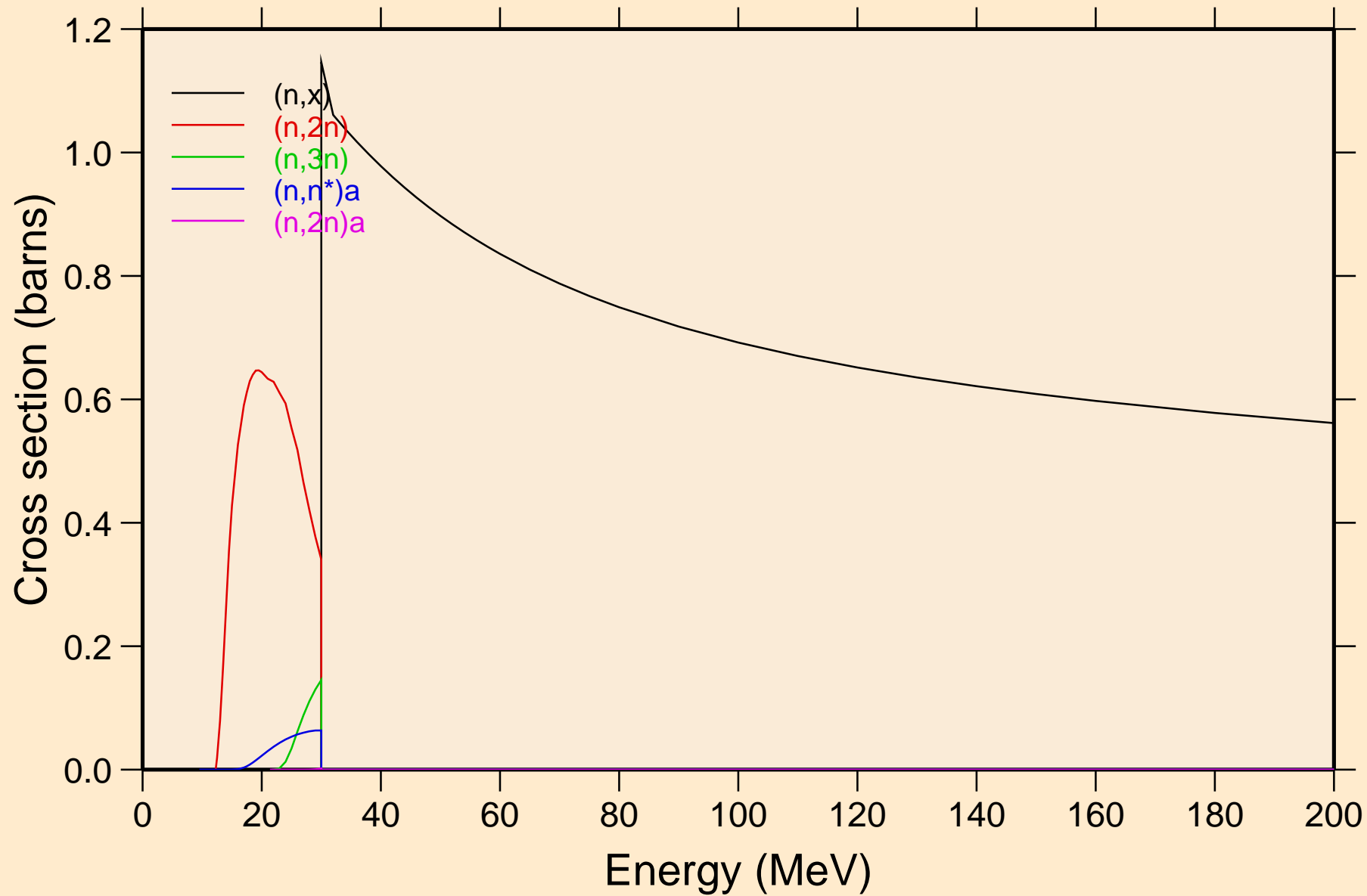


CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



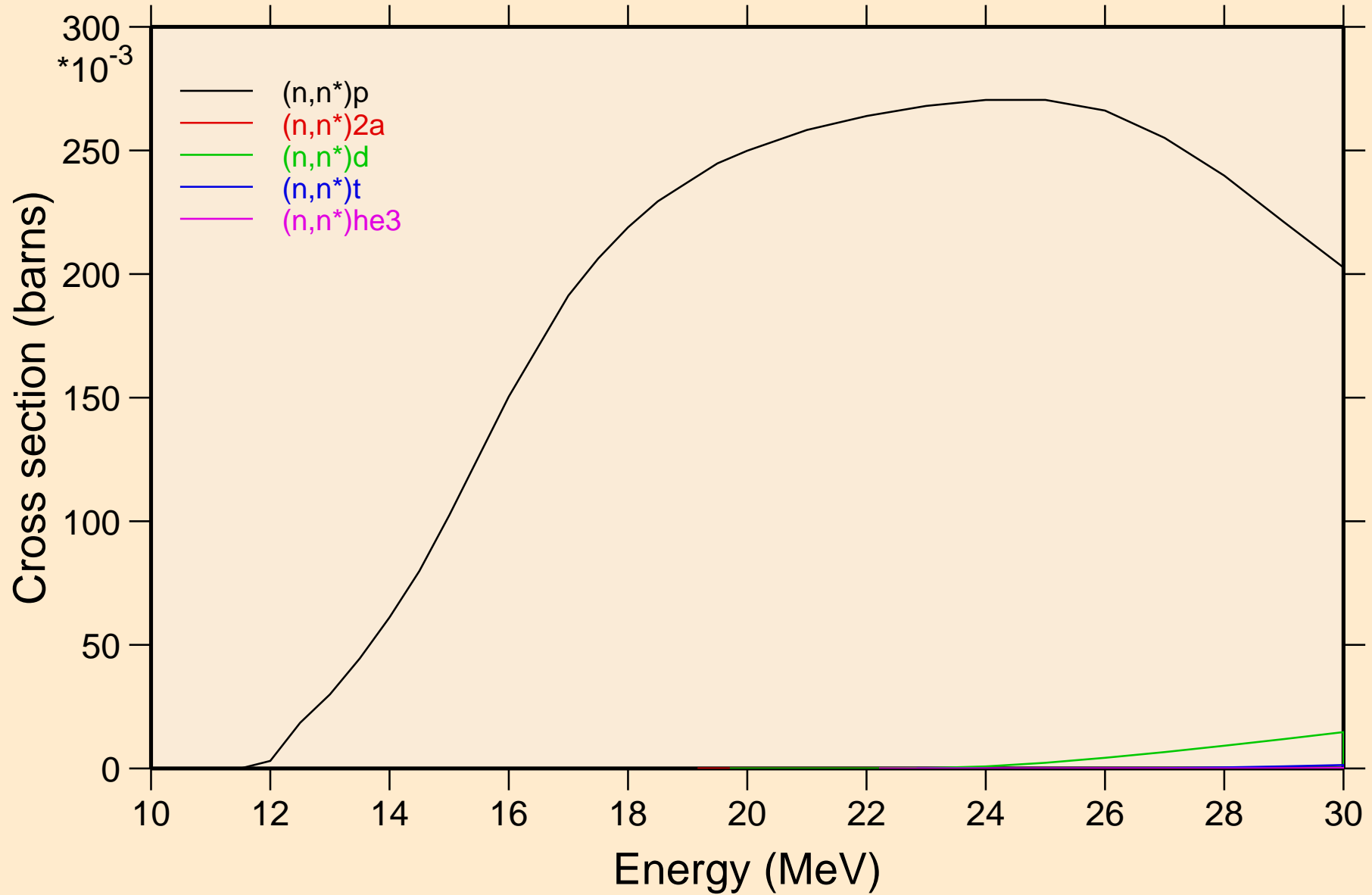
# CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



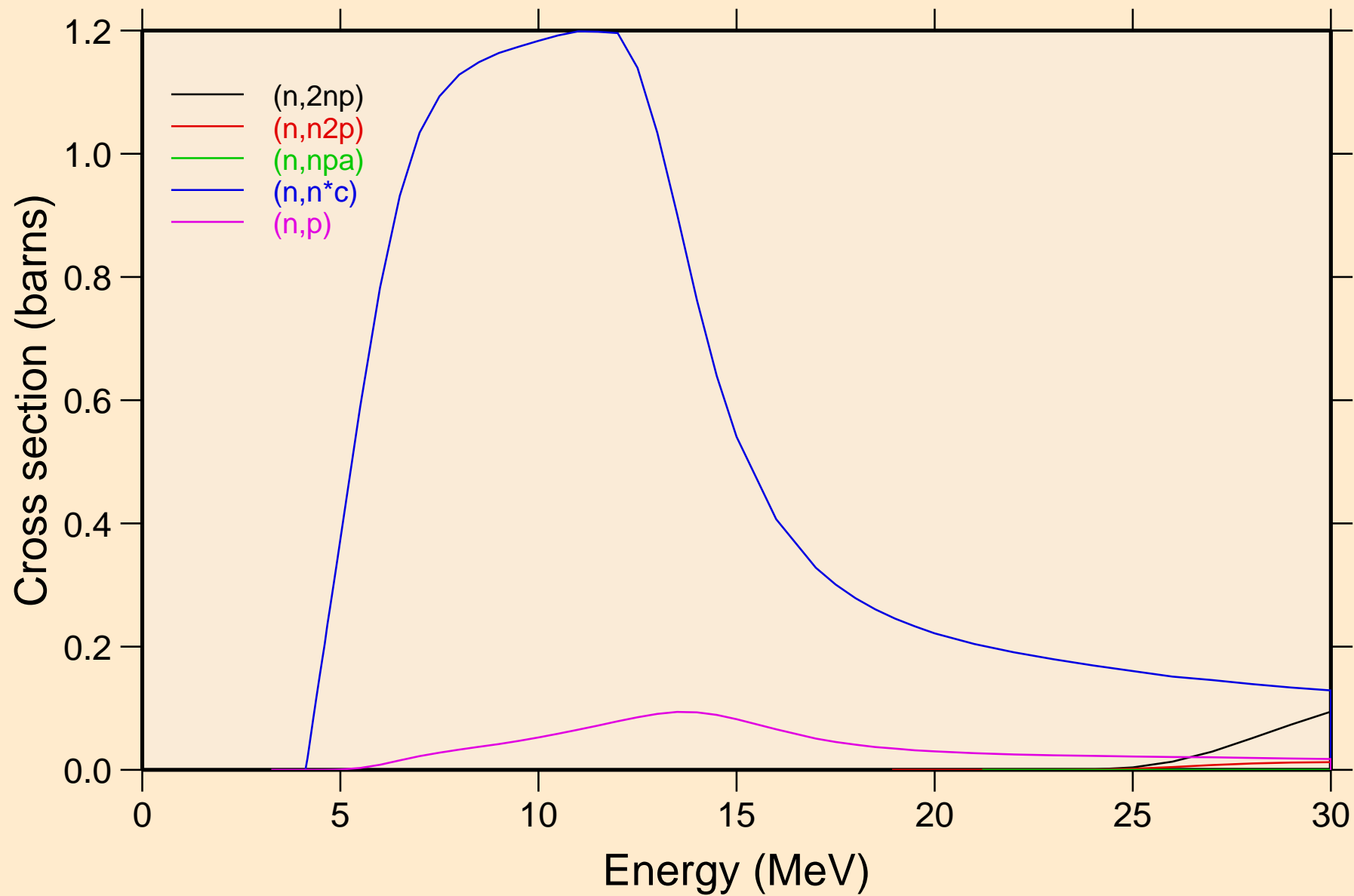
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## Threshold reactions



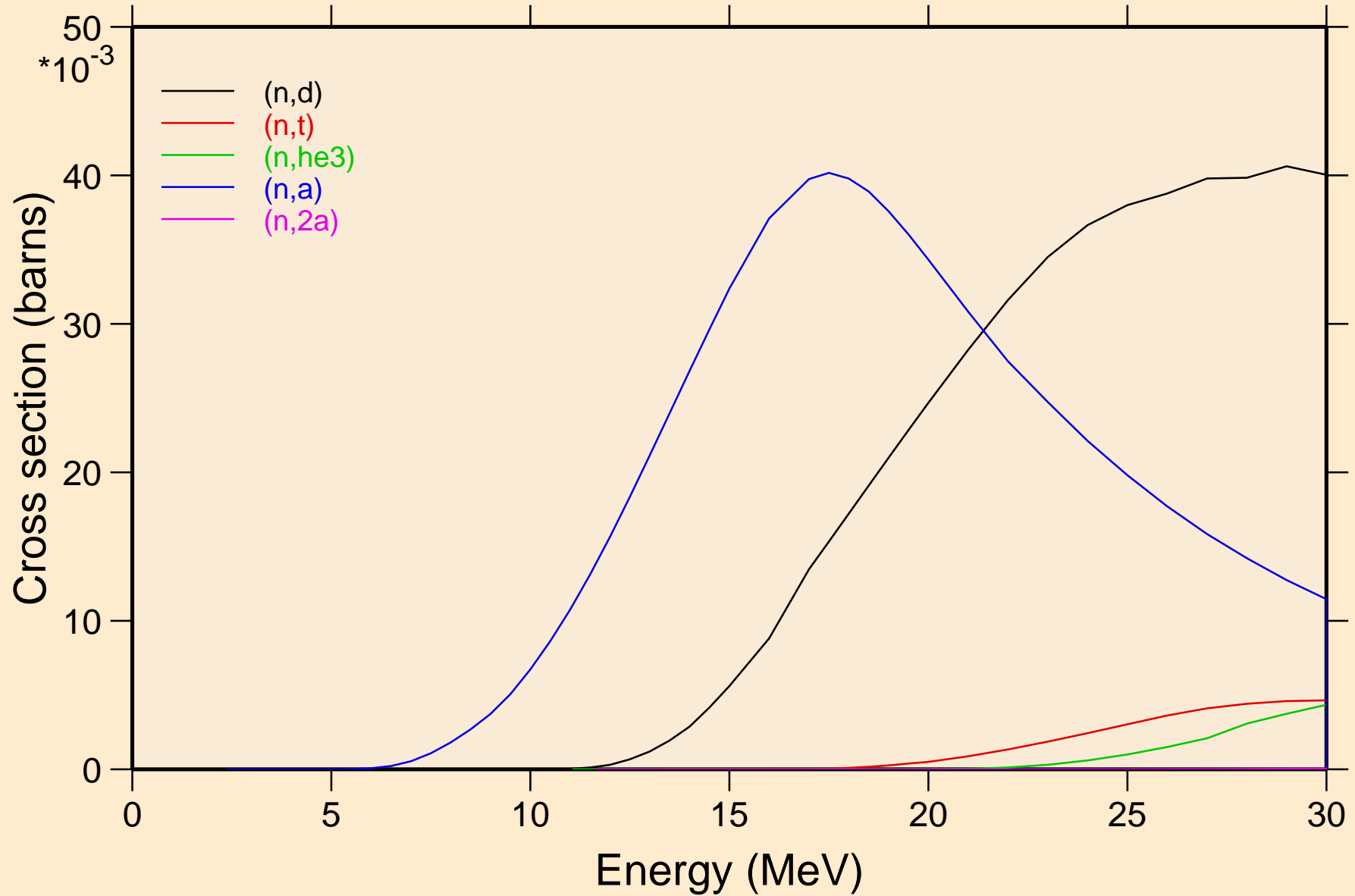
# CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



# CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

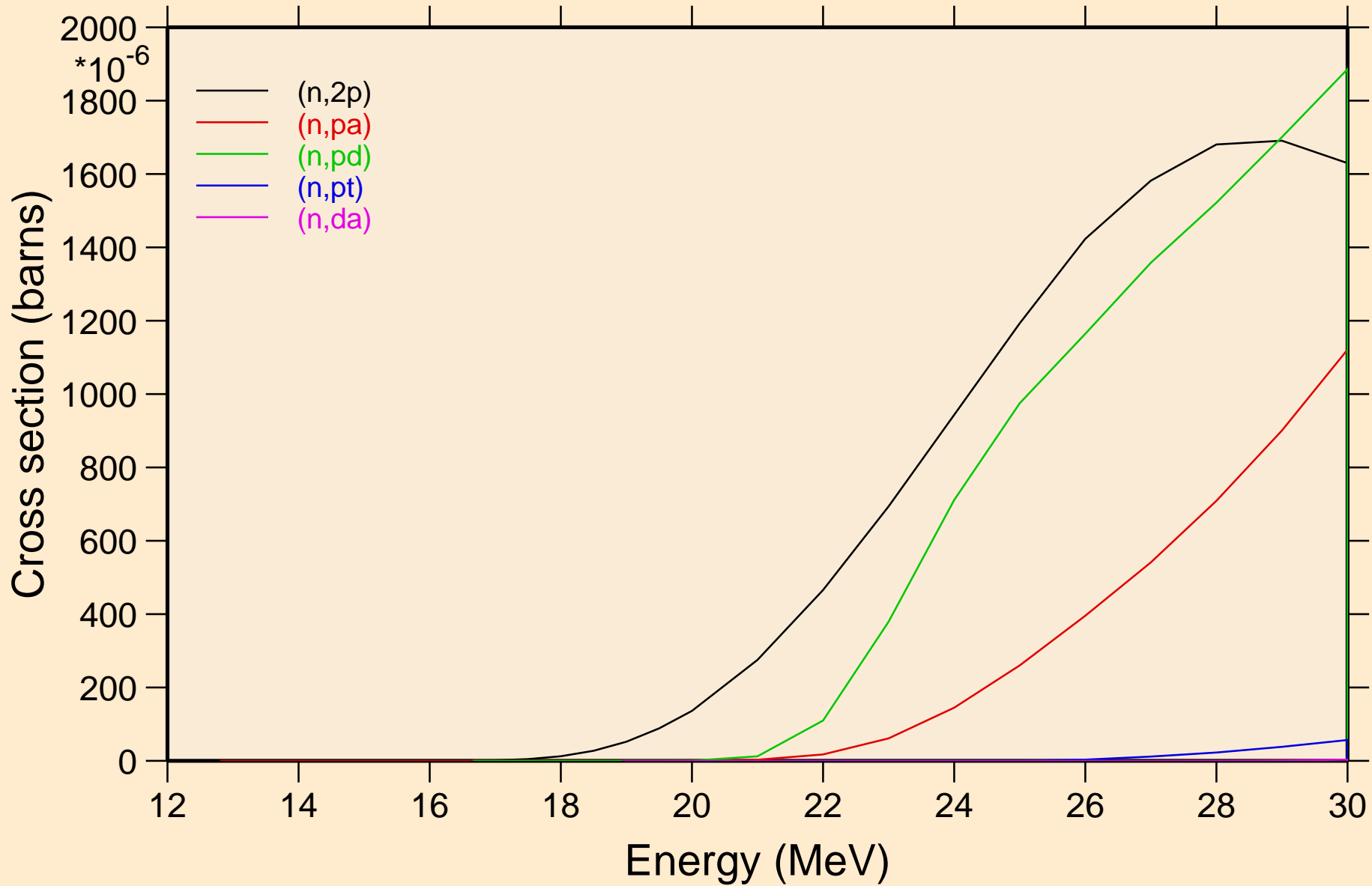
## Threshold reactions





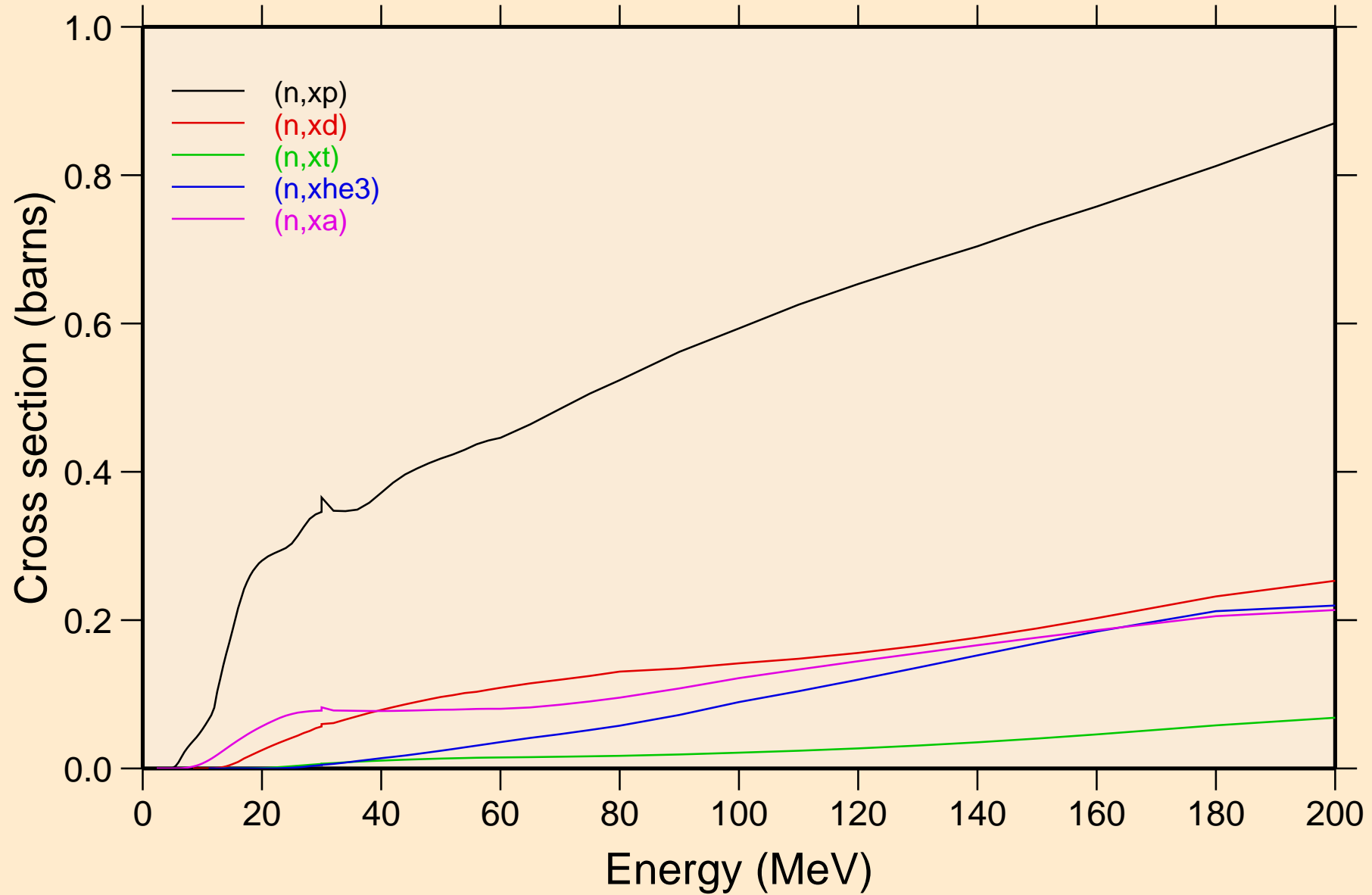
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## Threshold reactions

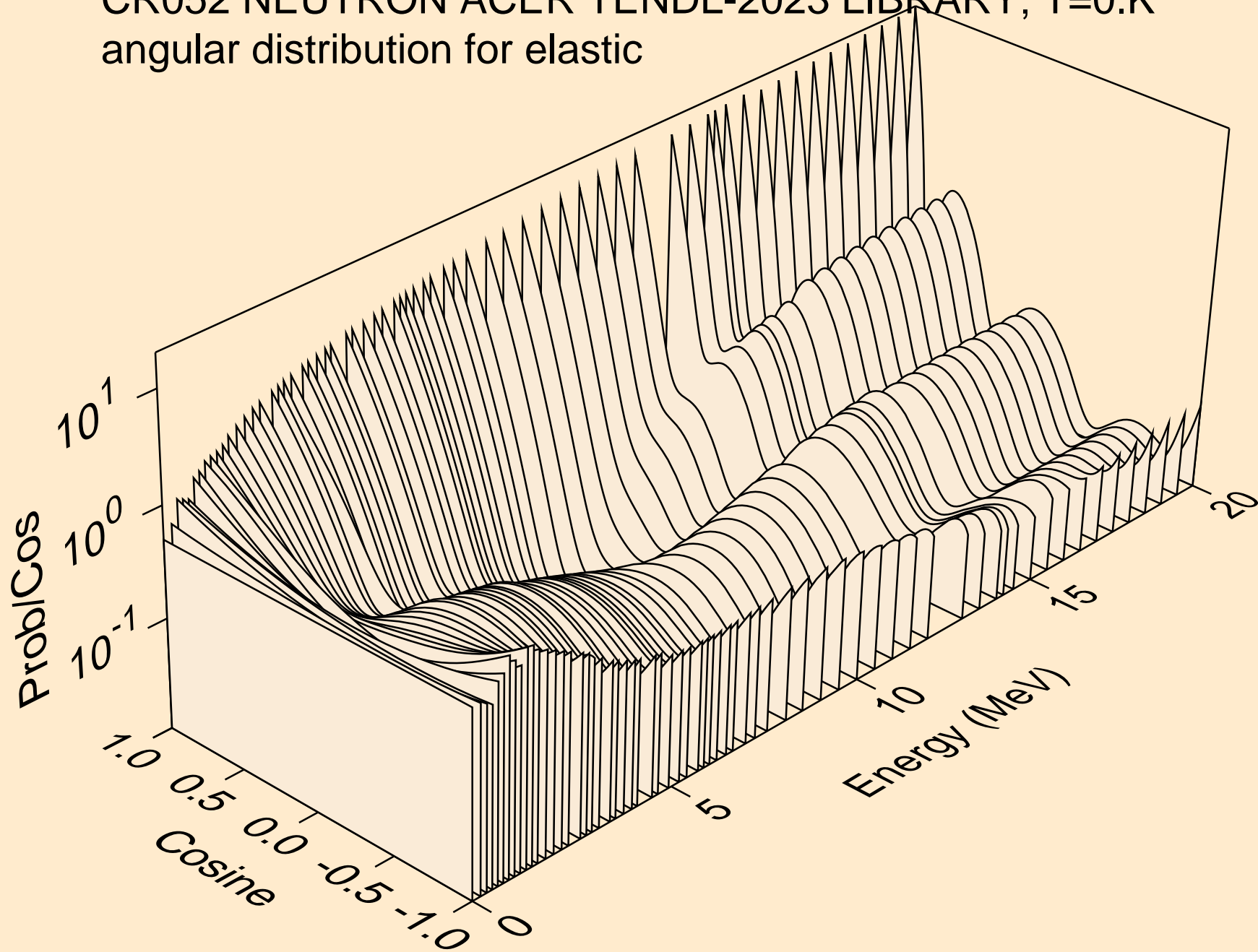


# CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

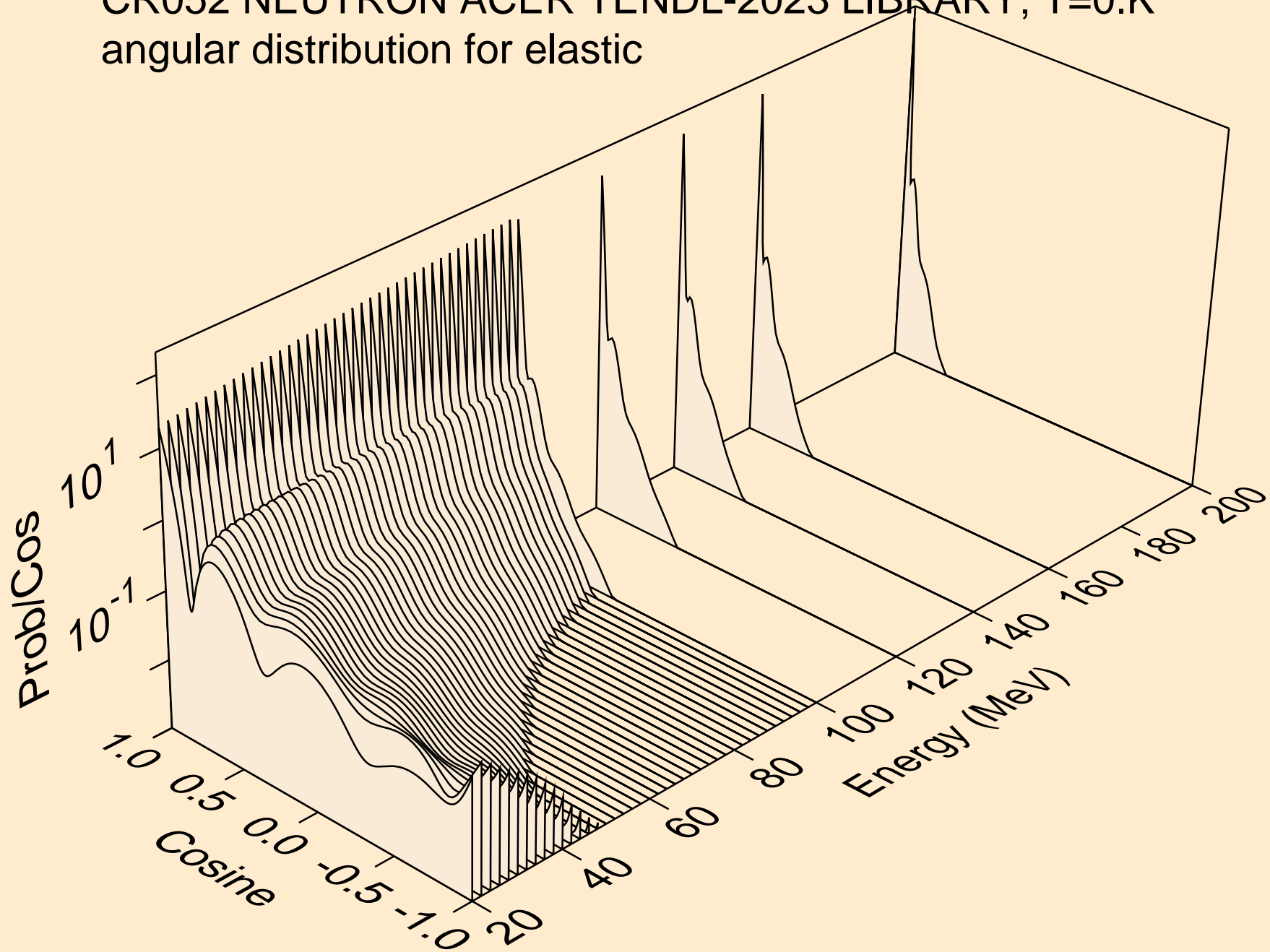
## Threshold reactions



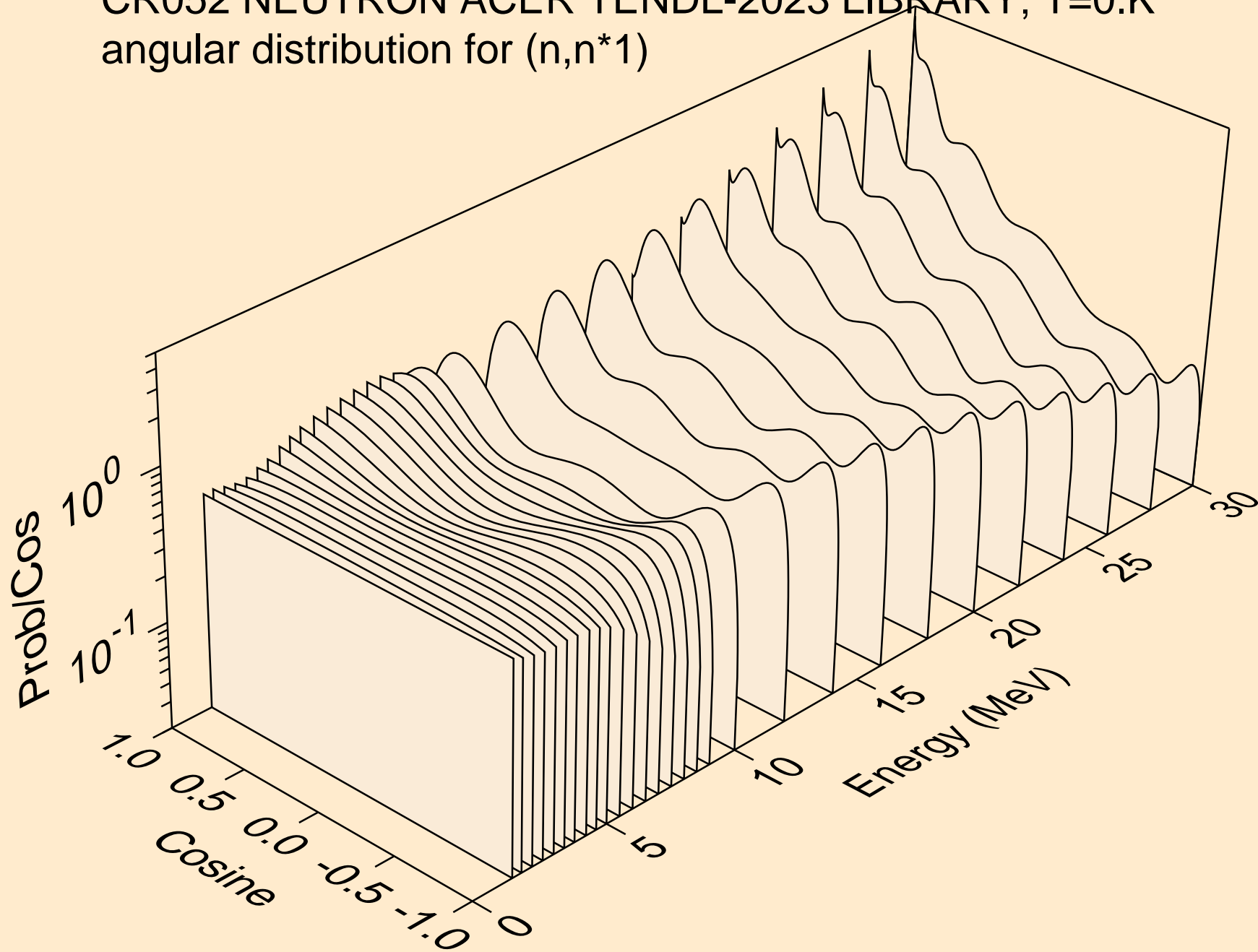
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angular distribution for elastic



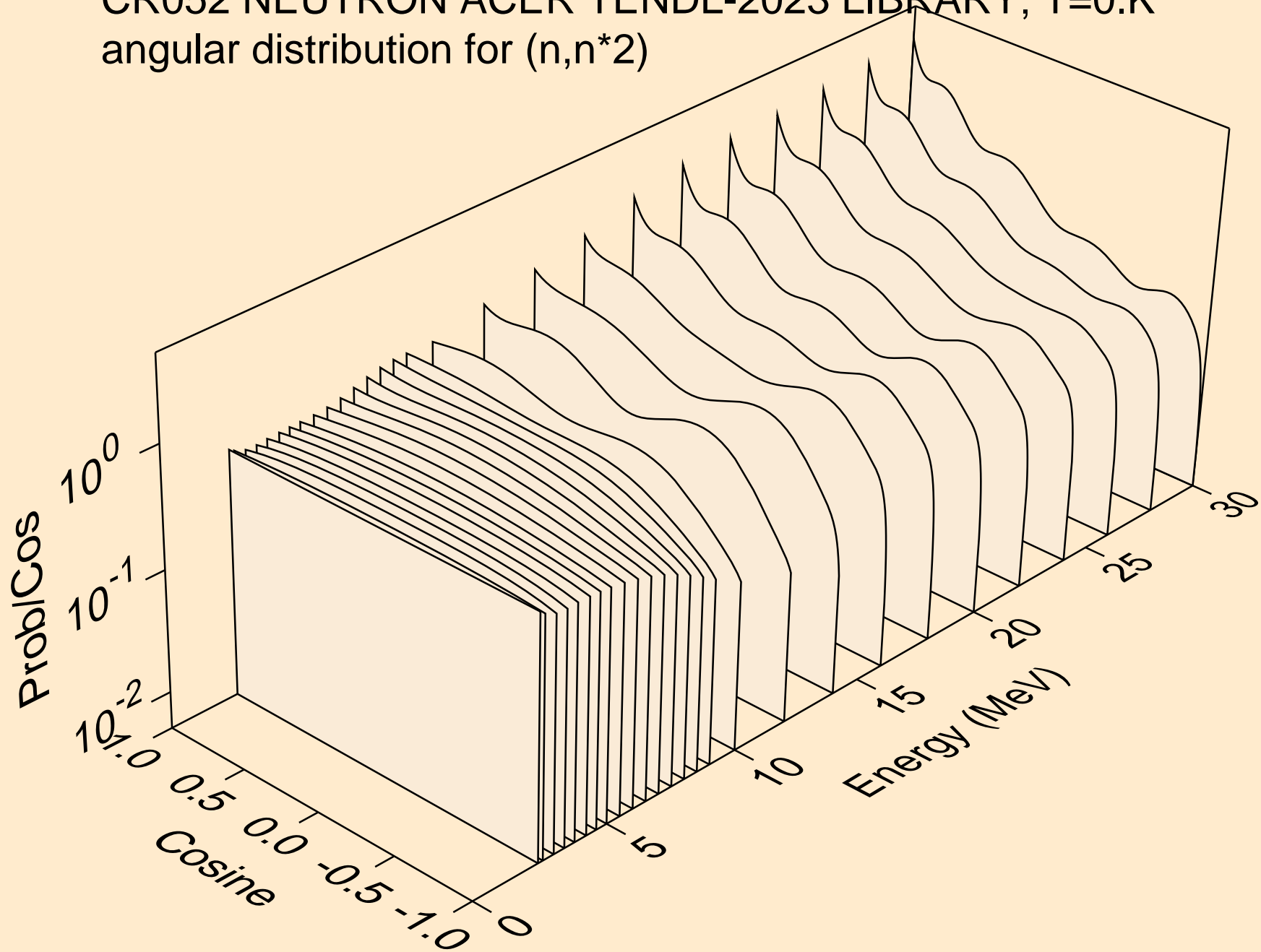
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angular distribution for elastic



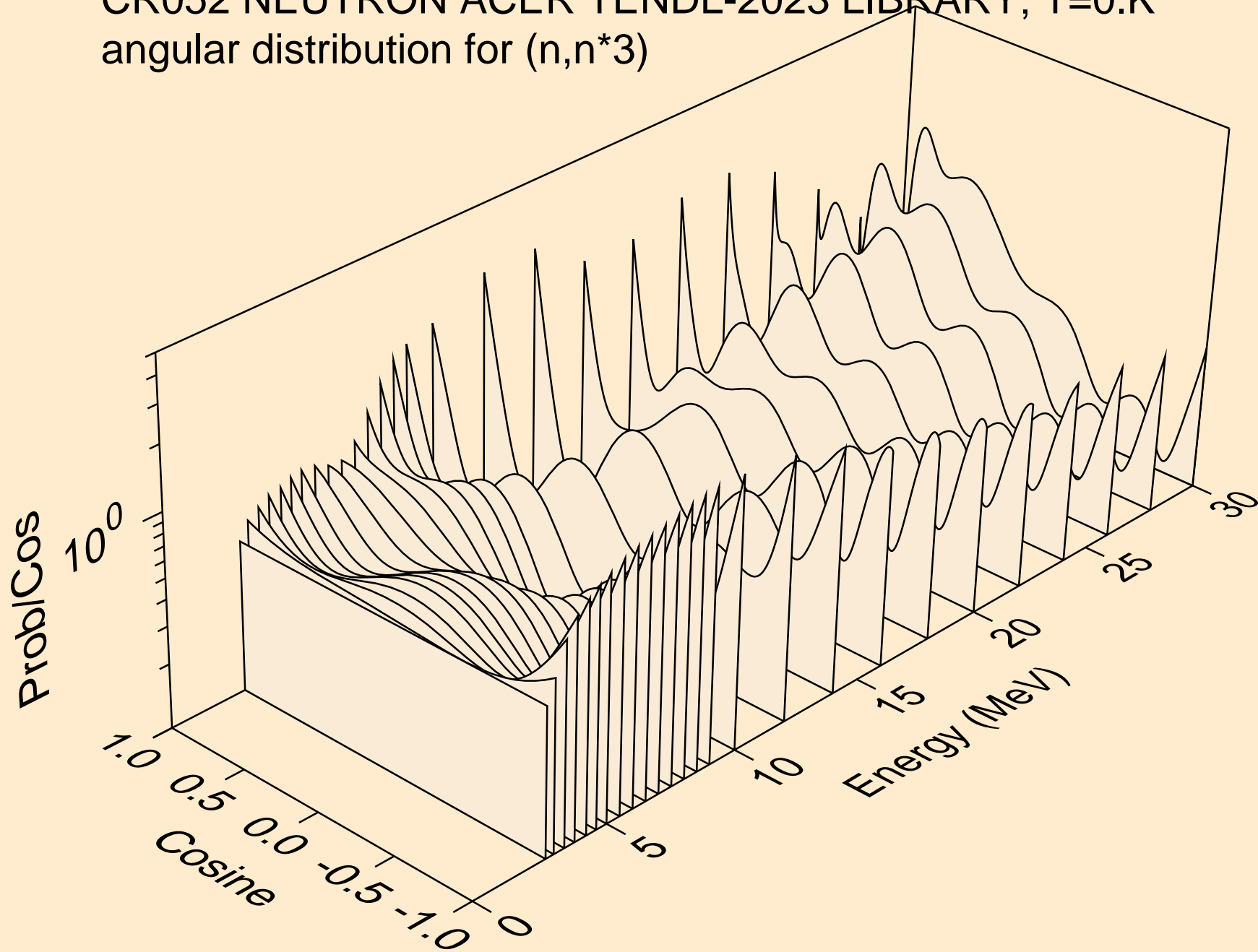
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angular distribution for (n,n\*1)



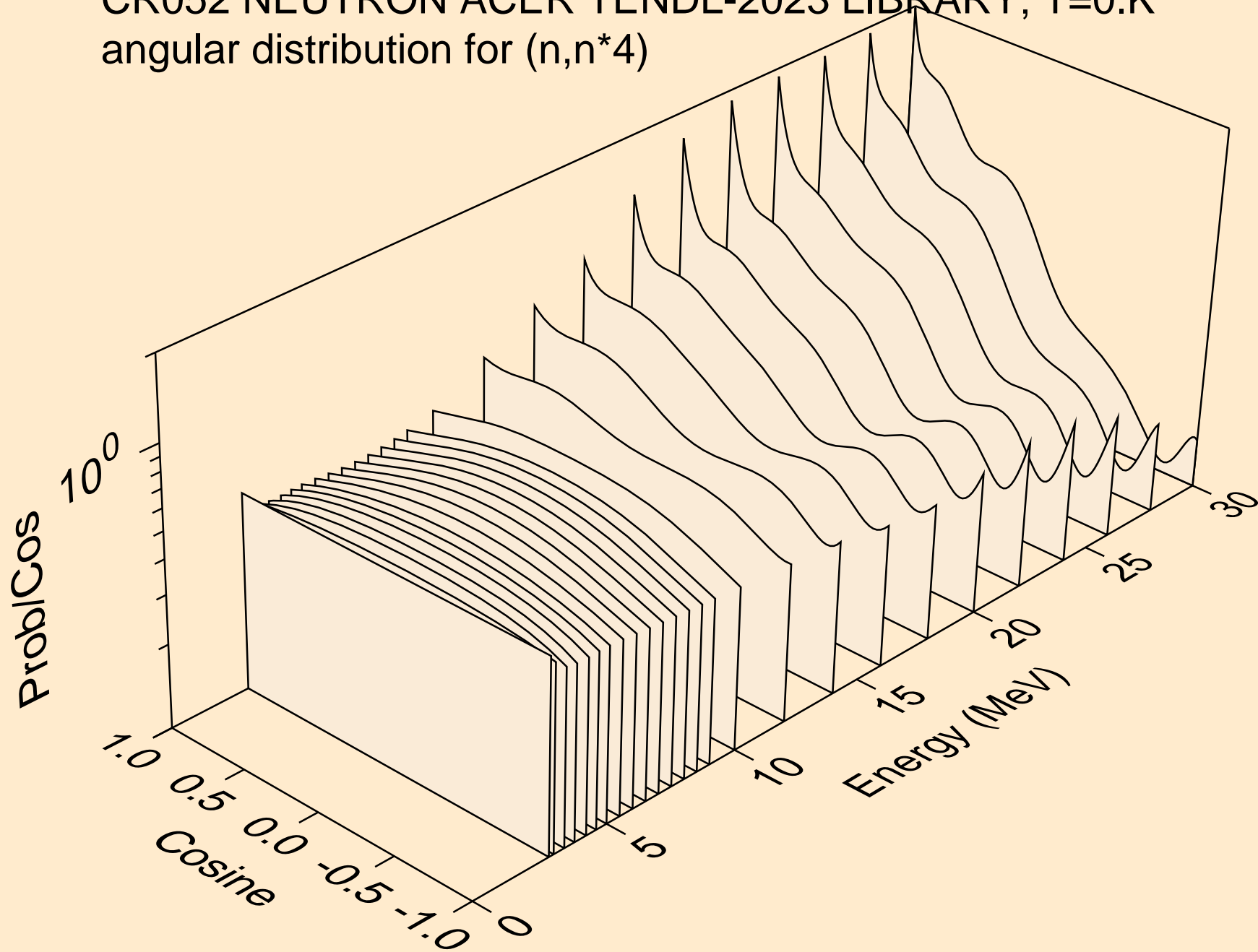
CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)

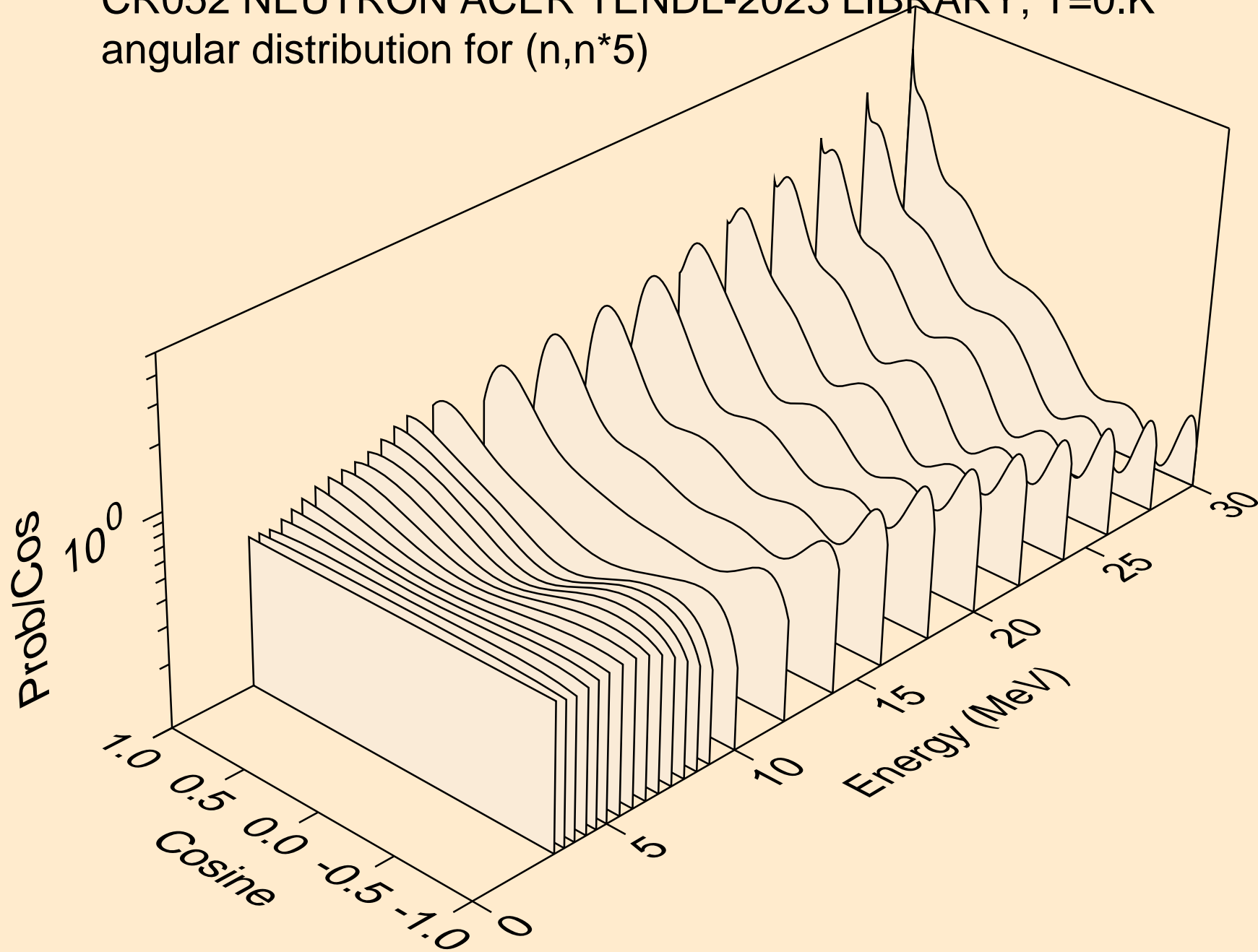


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angular distribution for (n,n\*4)

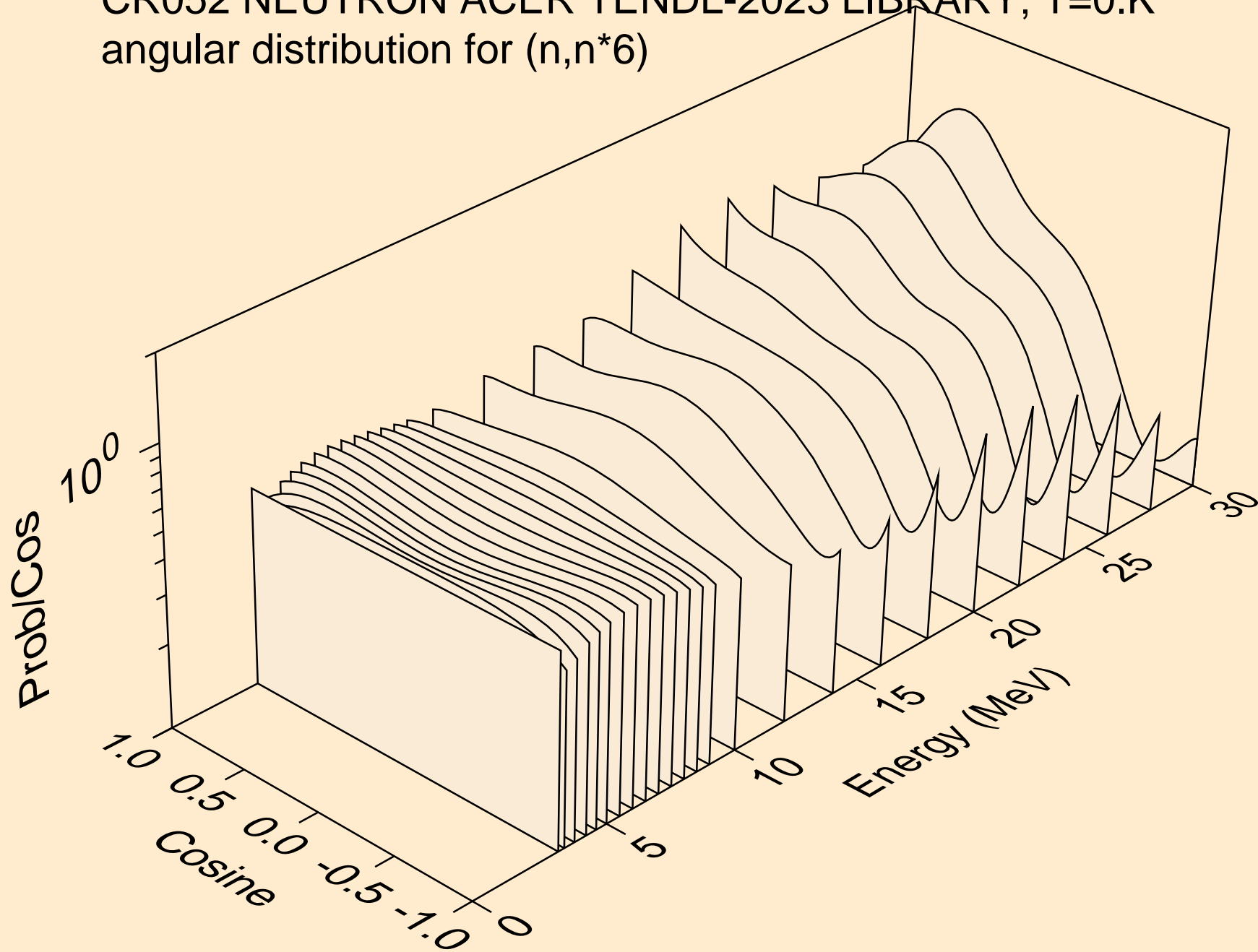




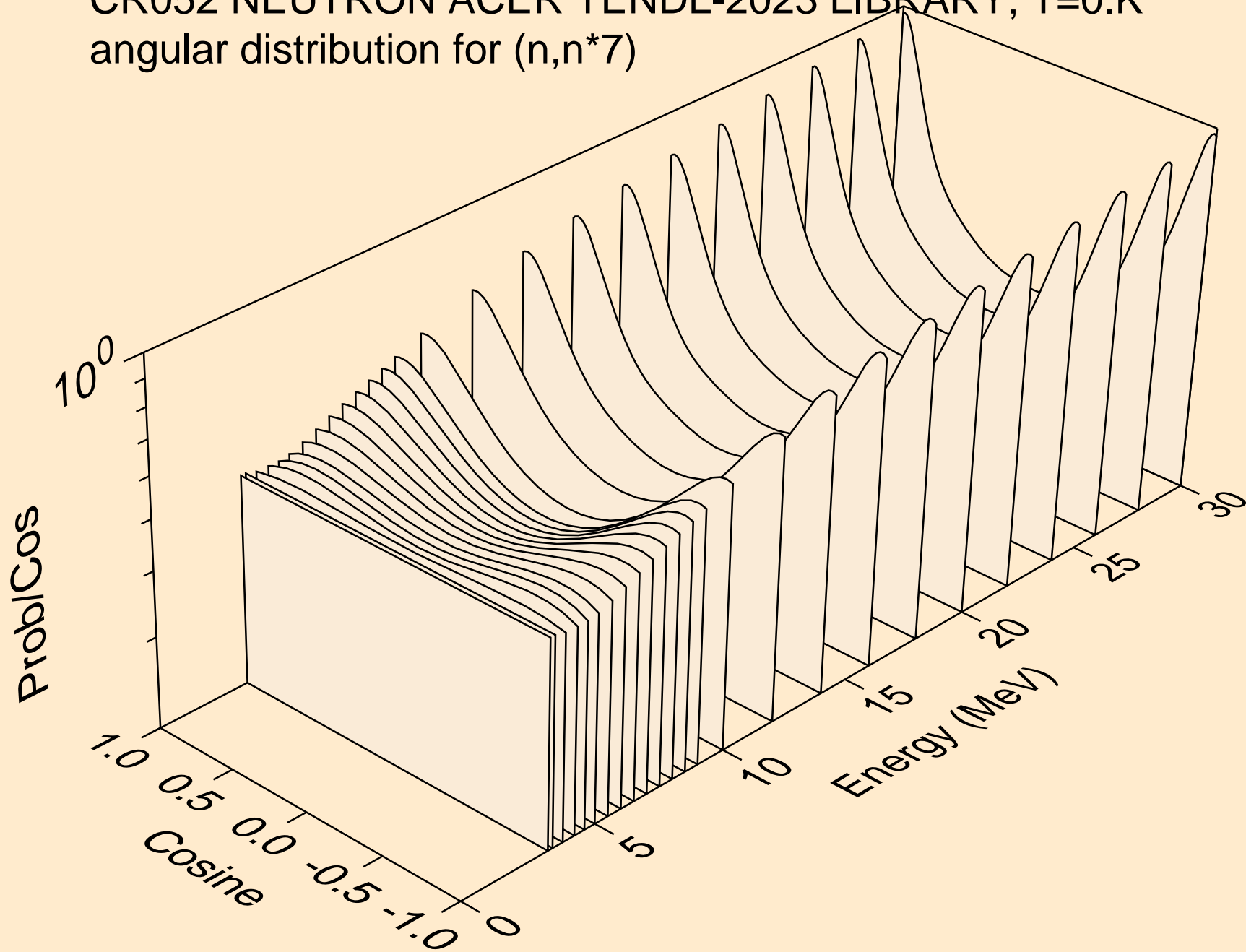
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angular distribution for (n,n\*5)



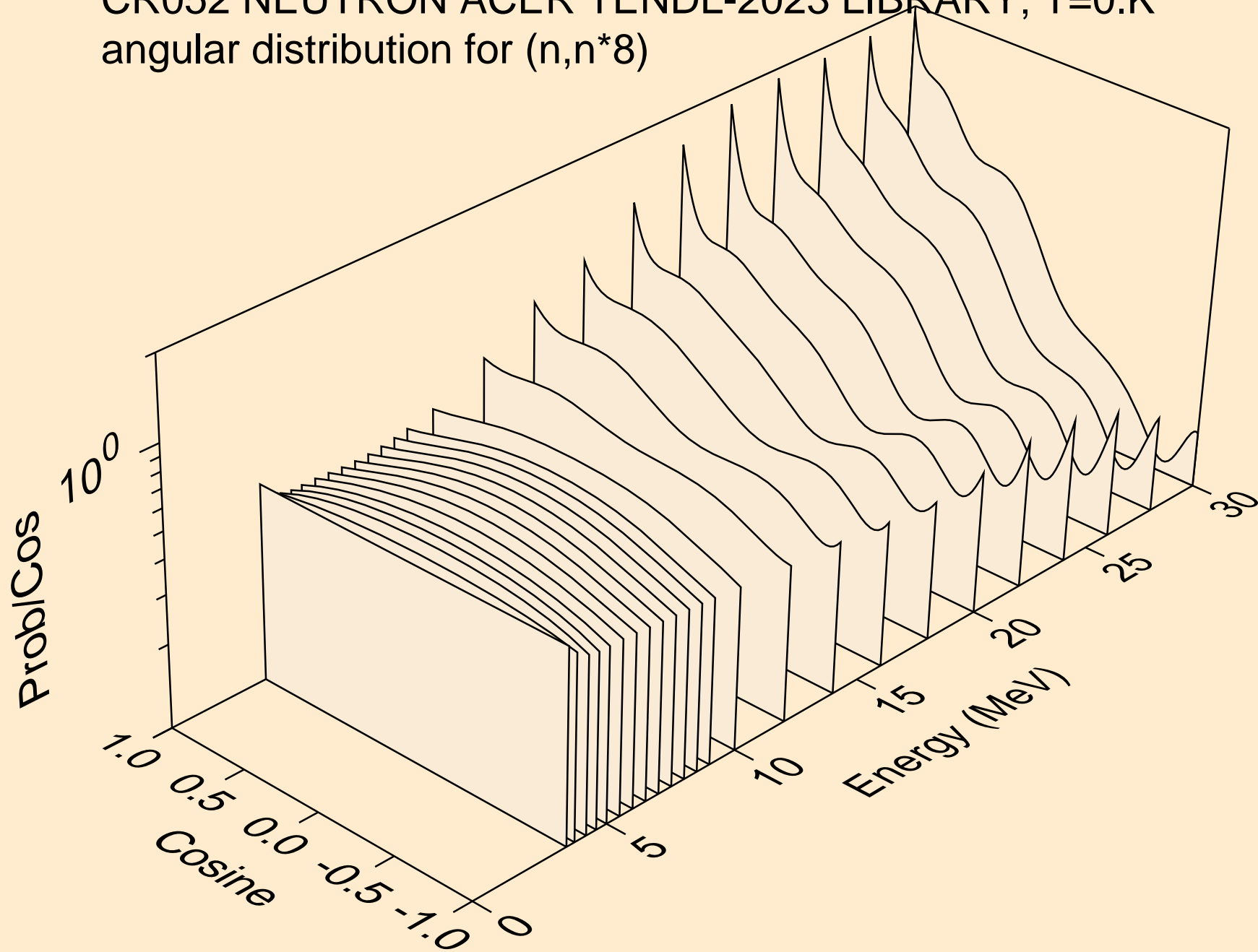
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angular distribution for (n,n\*6)



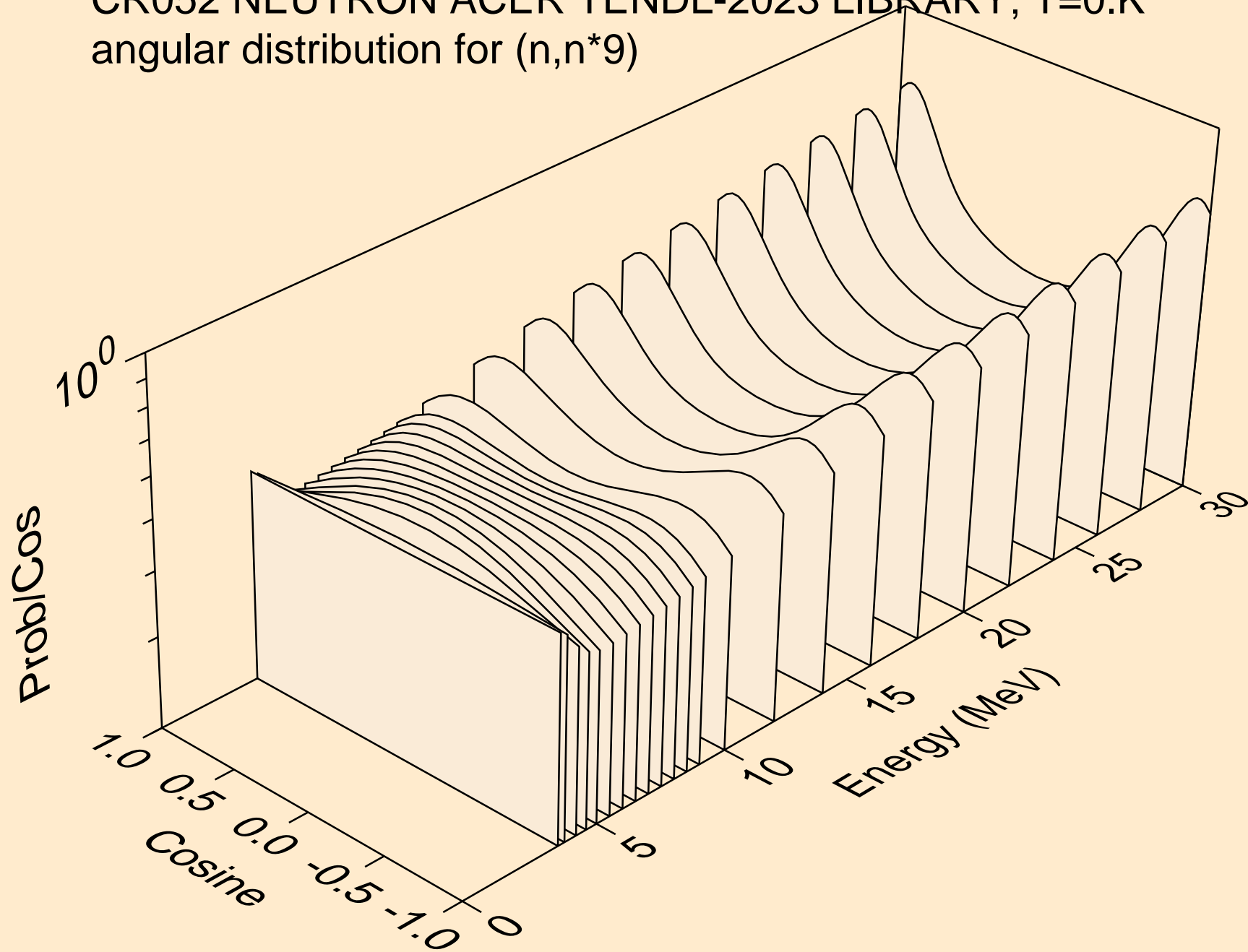
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angular distribution for (n,n\*7)



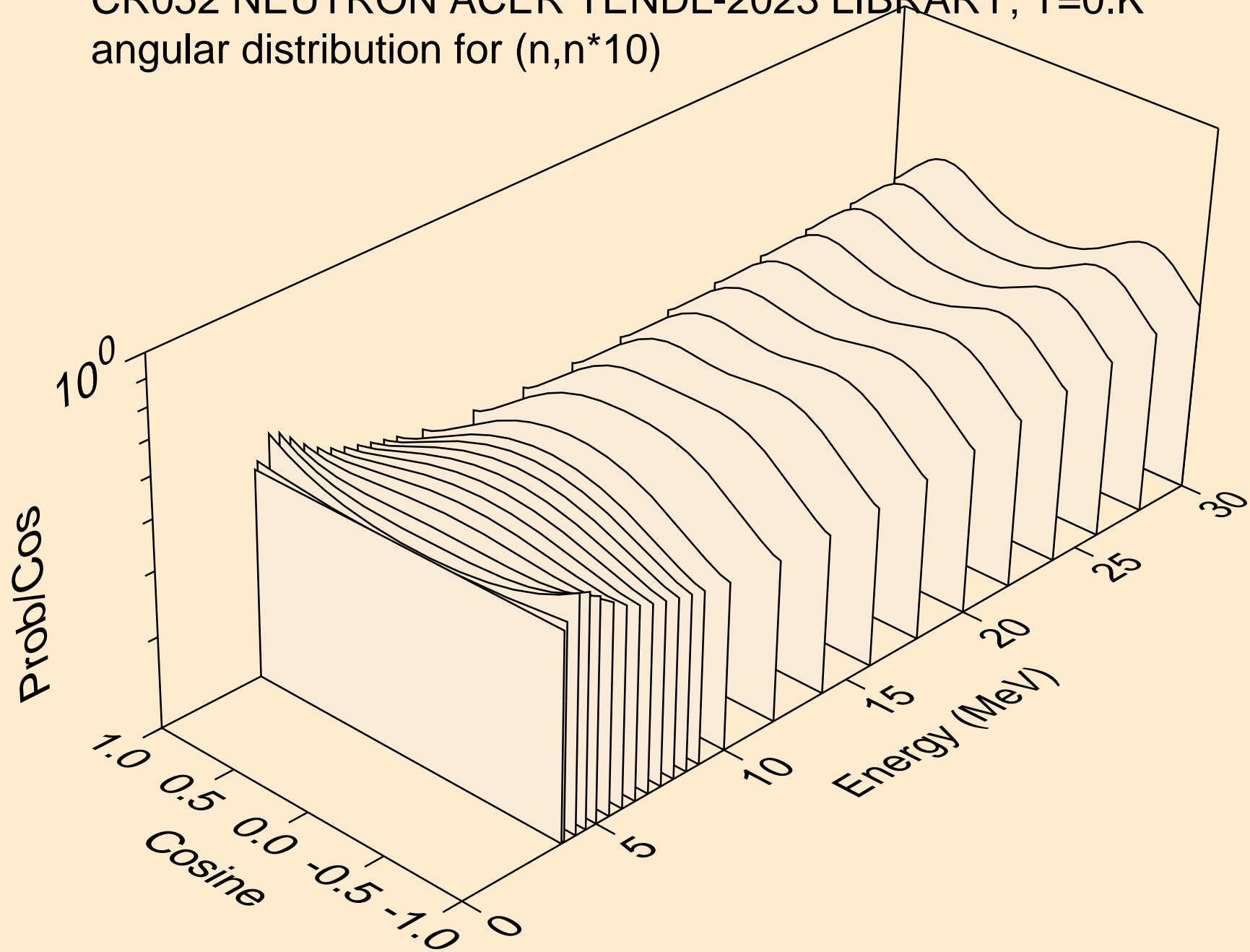
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angular distribution for (n,n\*8)



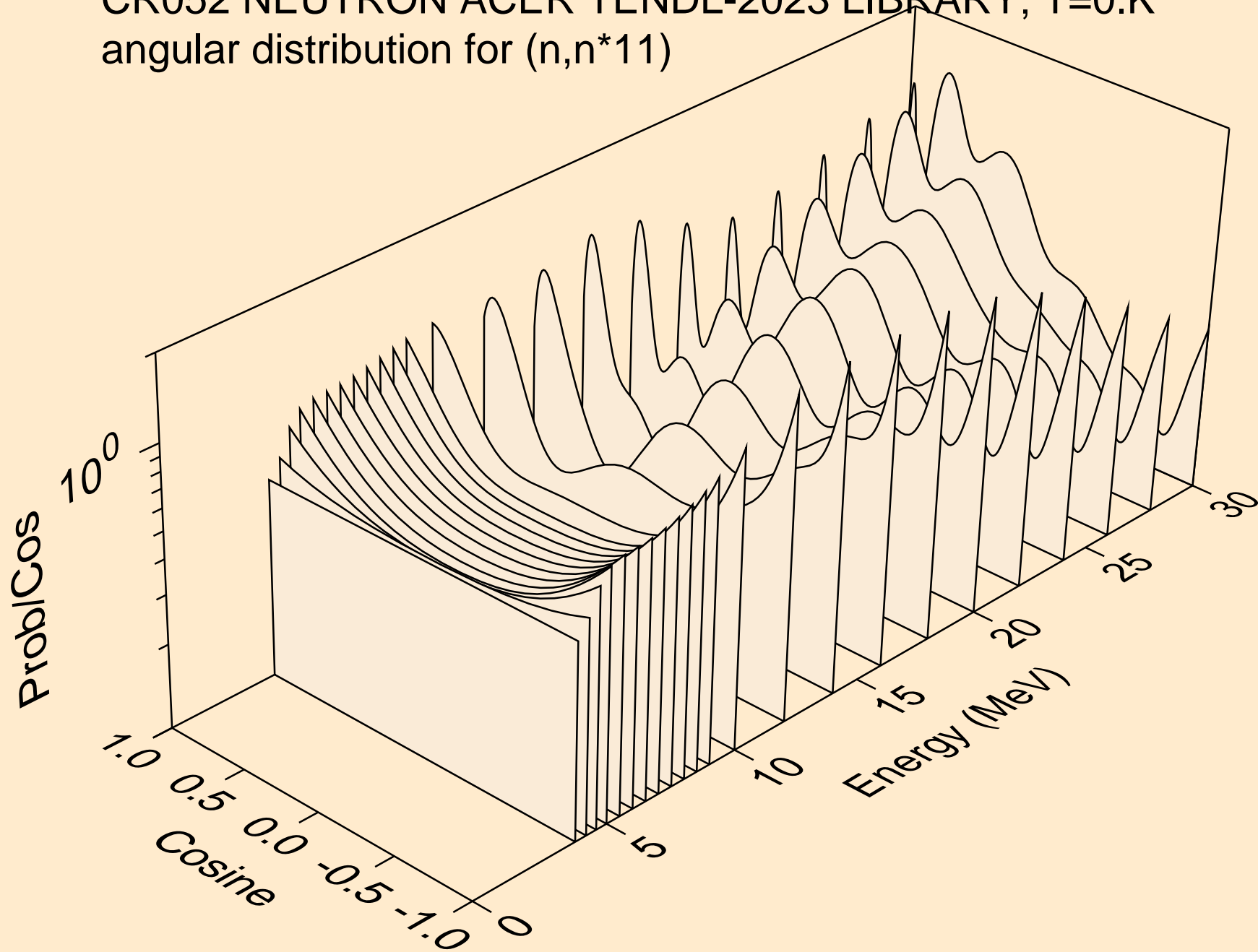
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angular distribution for (n,n\*9)



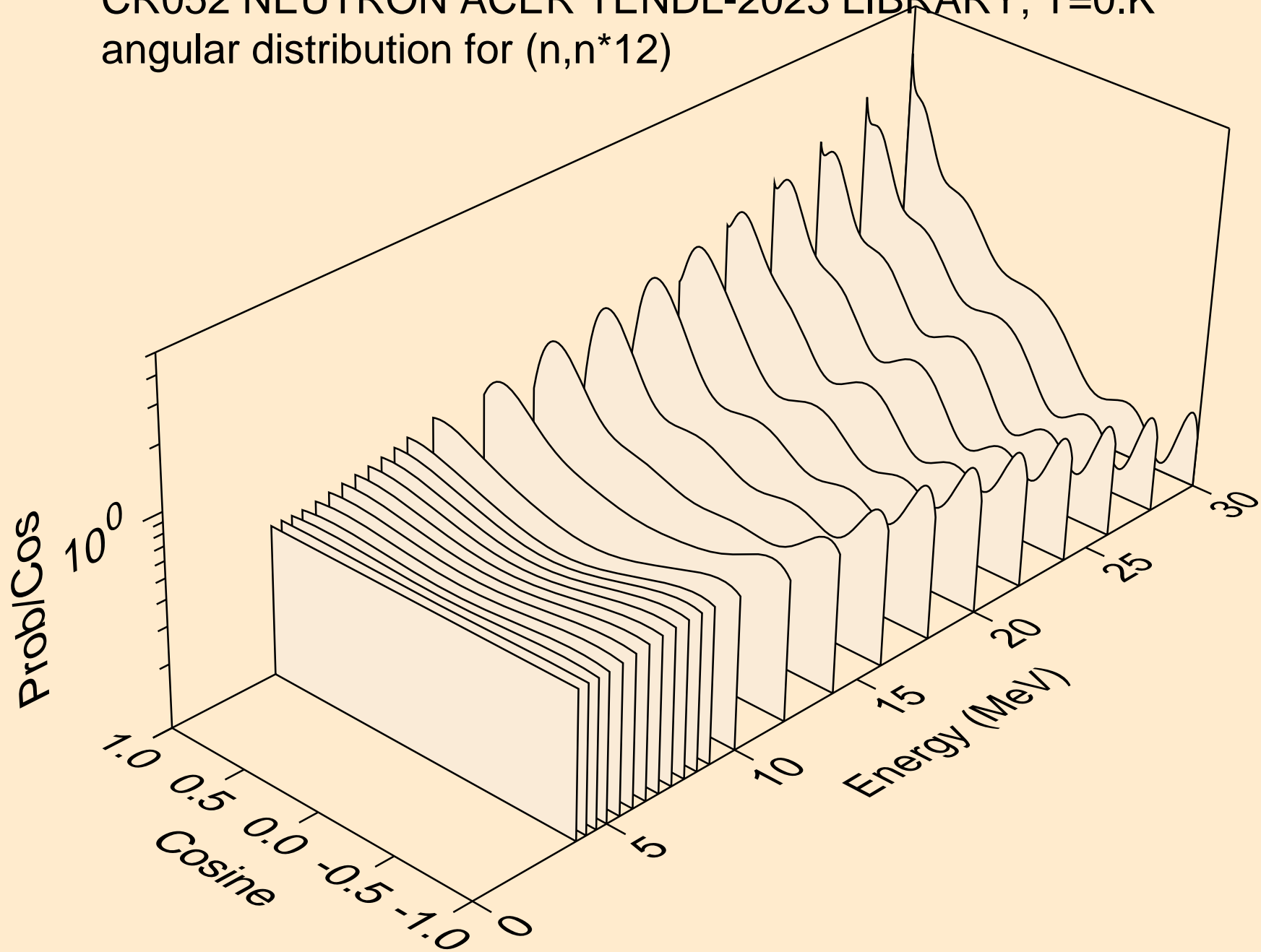
CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)

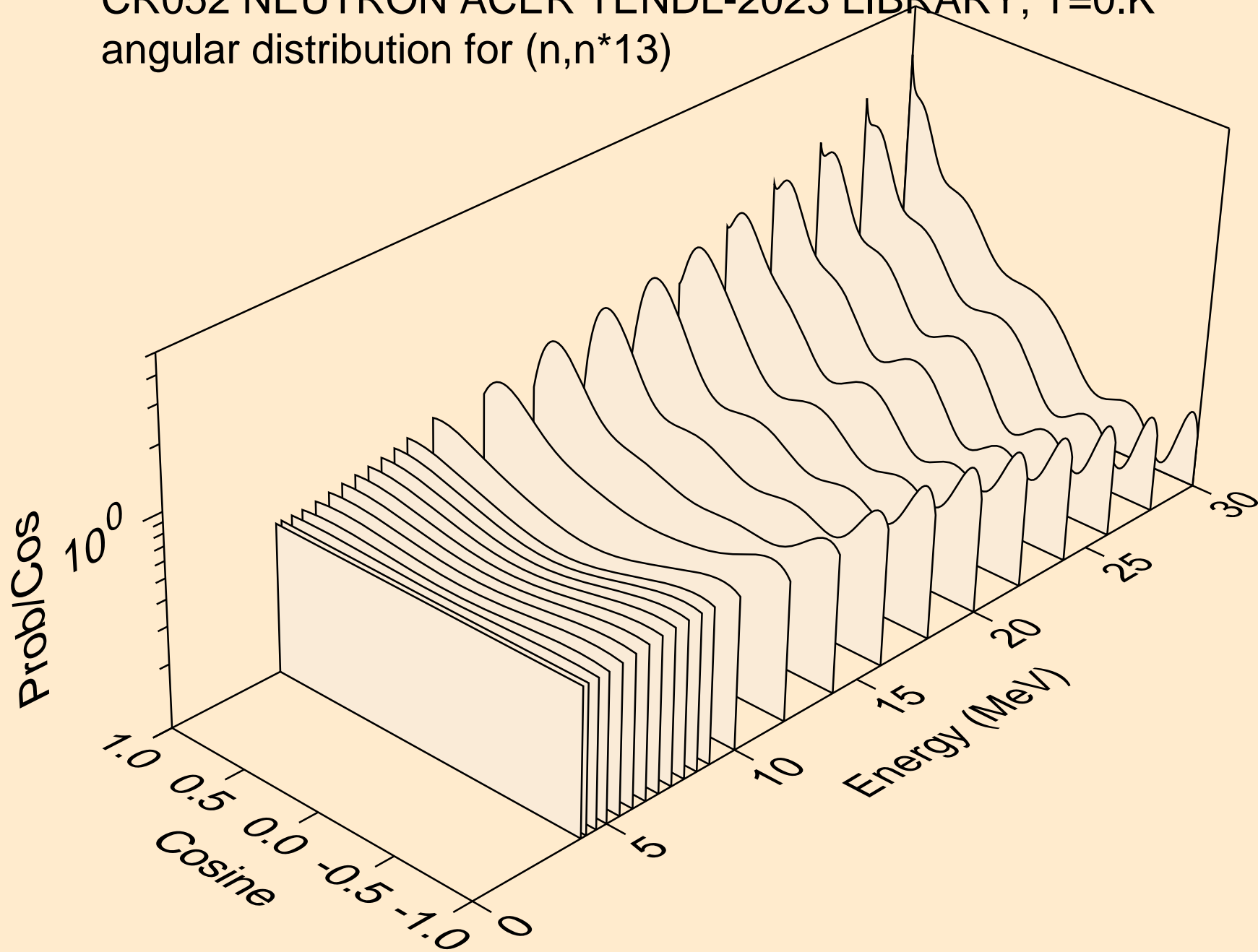


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angular distribution for (n,n\*12)

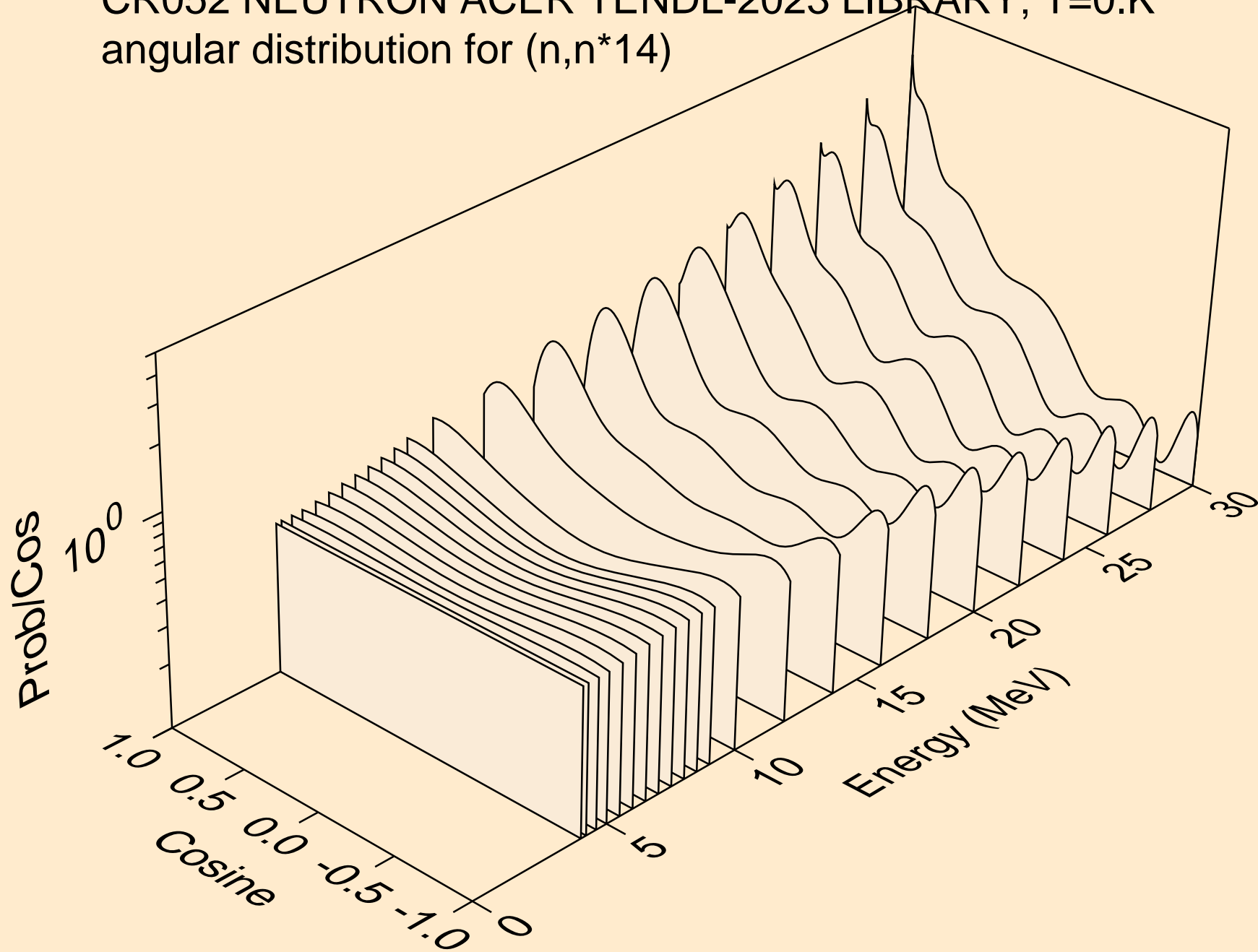




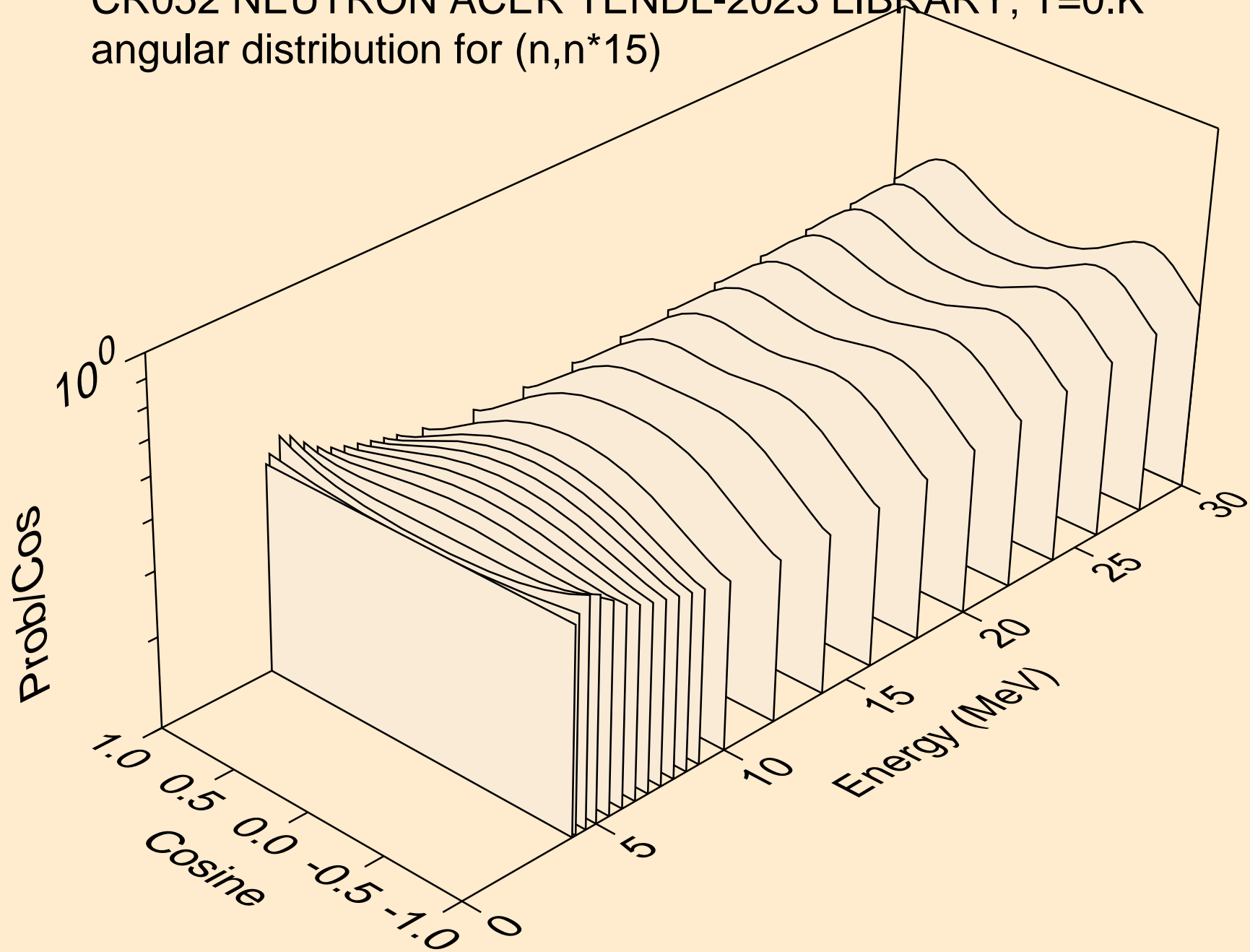
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angular distribution for (n,n\*13)



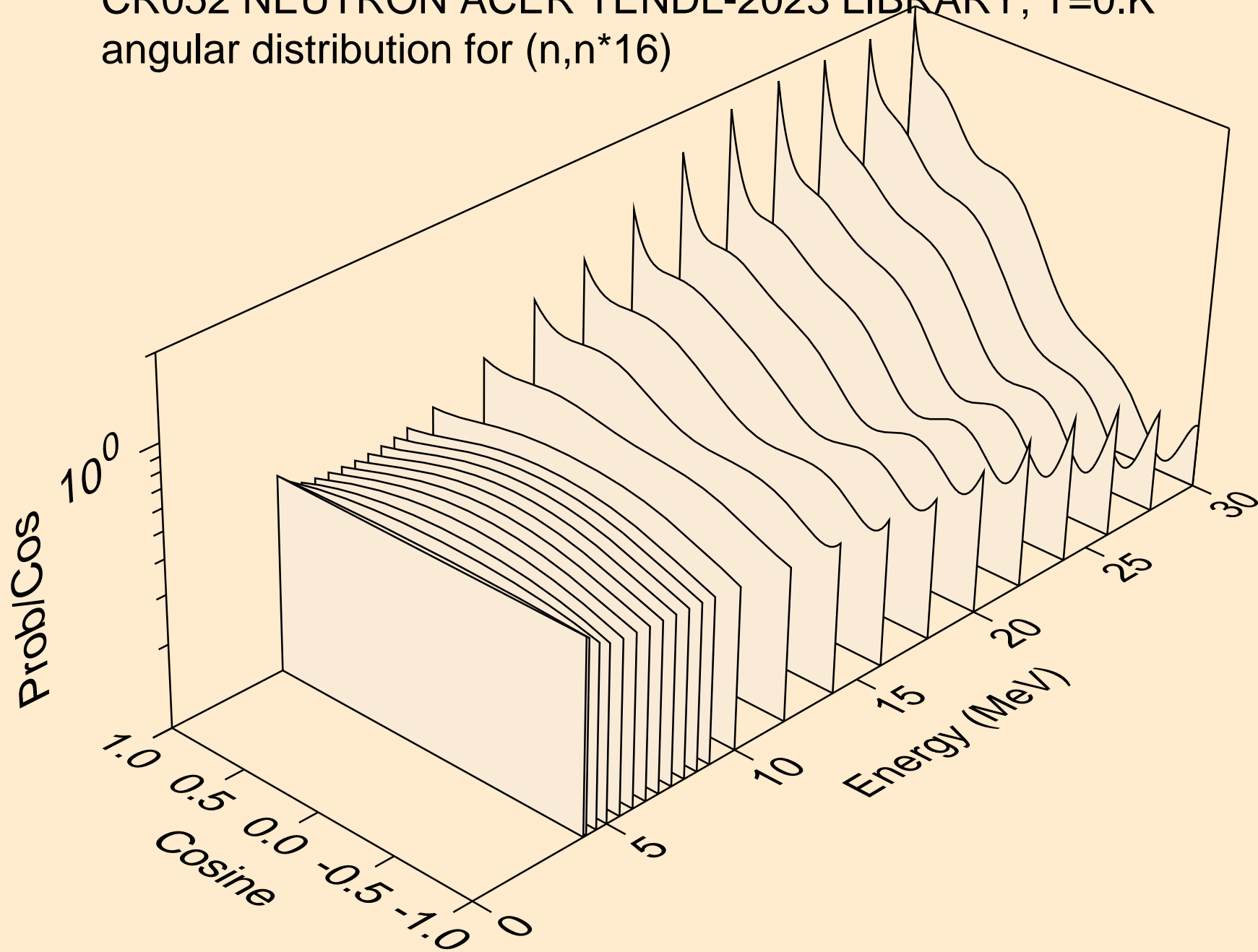
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angular distribution for (n,n\*14)



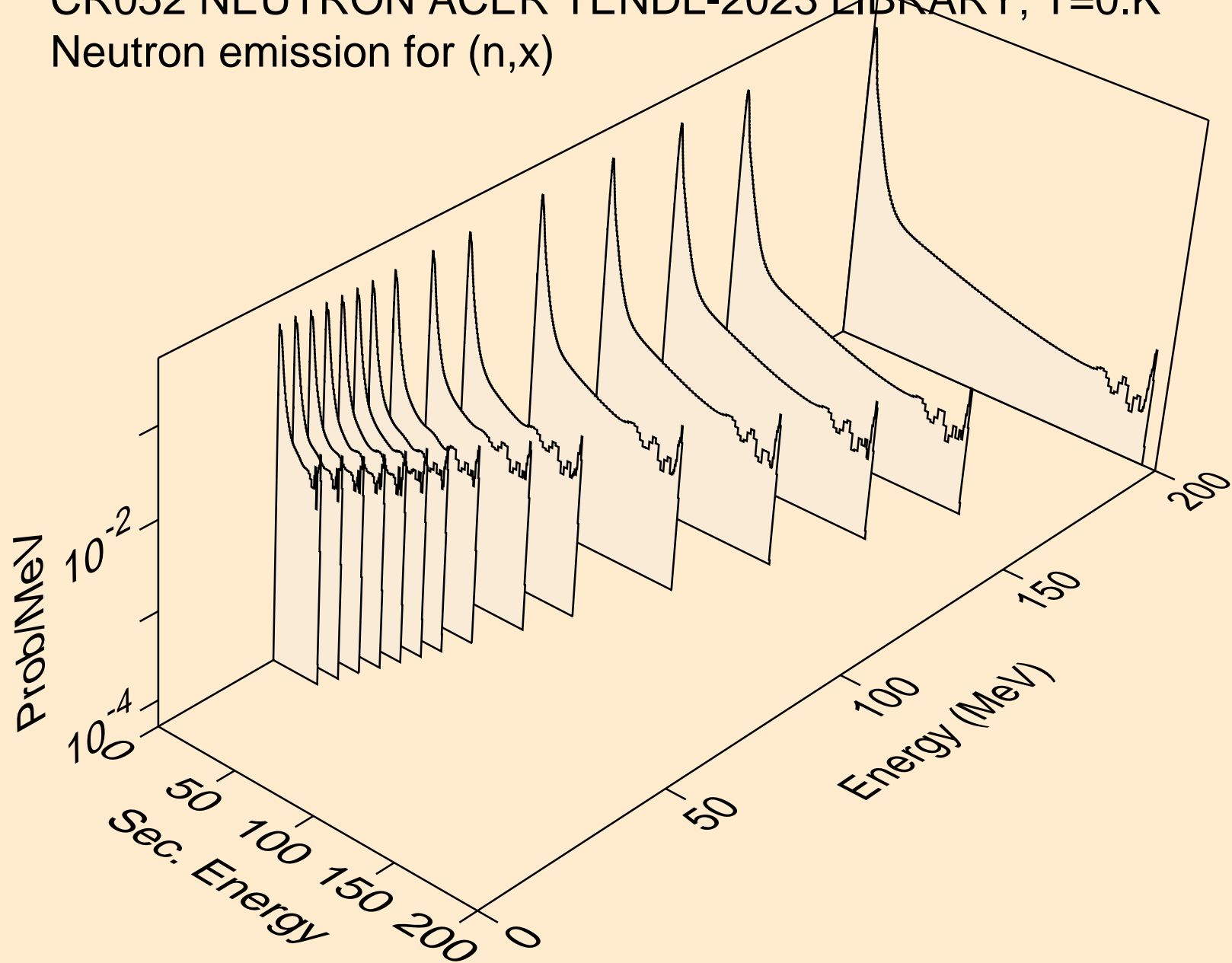
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angular distribution for (n,n\*15)



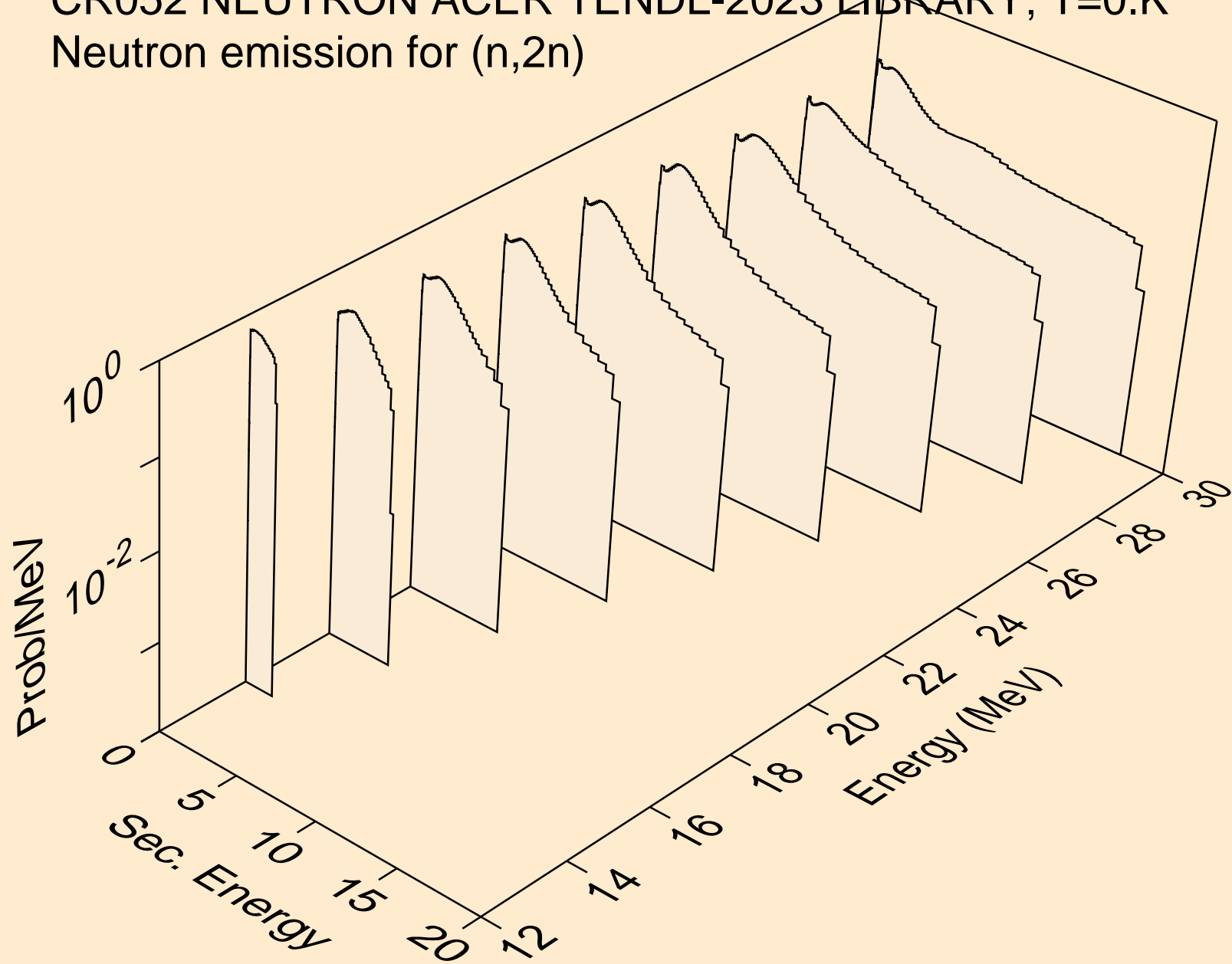
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angular distribution for (n,n\*16)



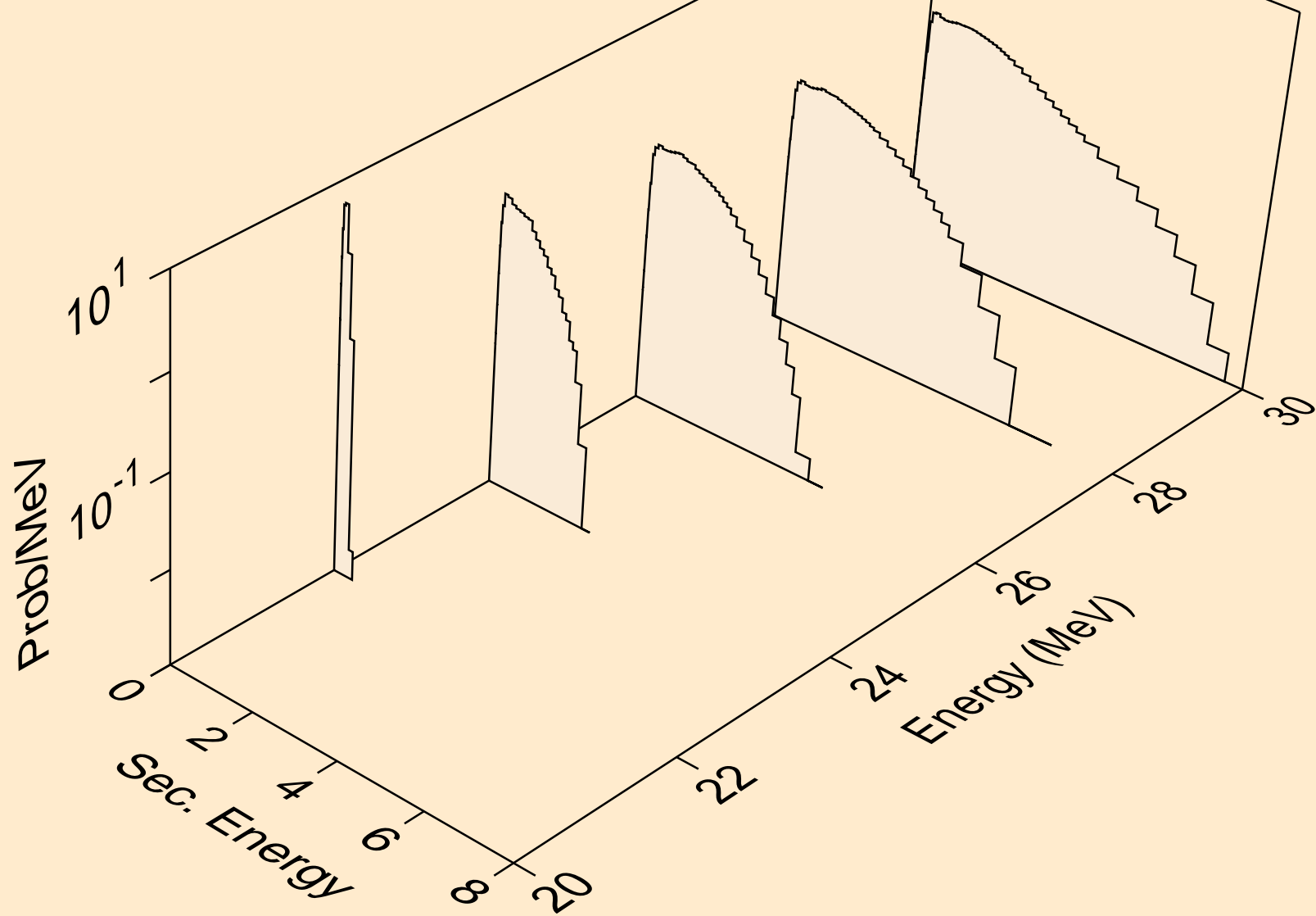
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Neutron emission for (n,x)



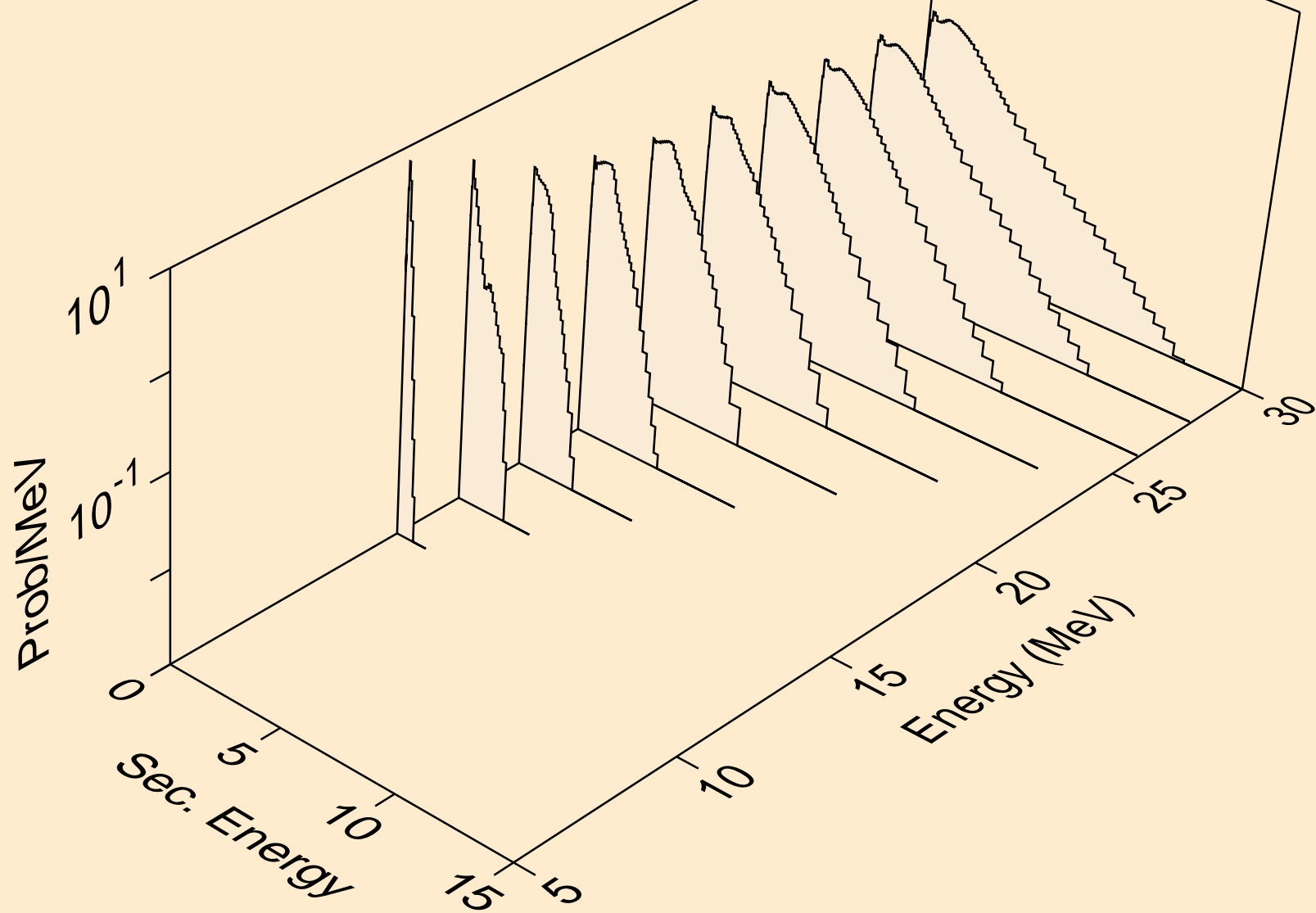
CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)

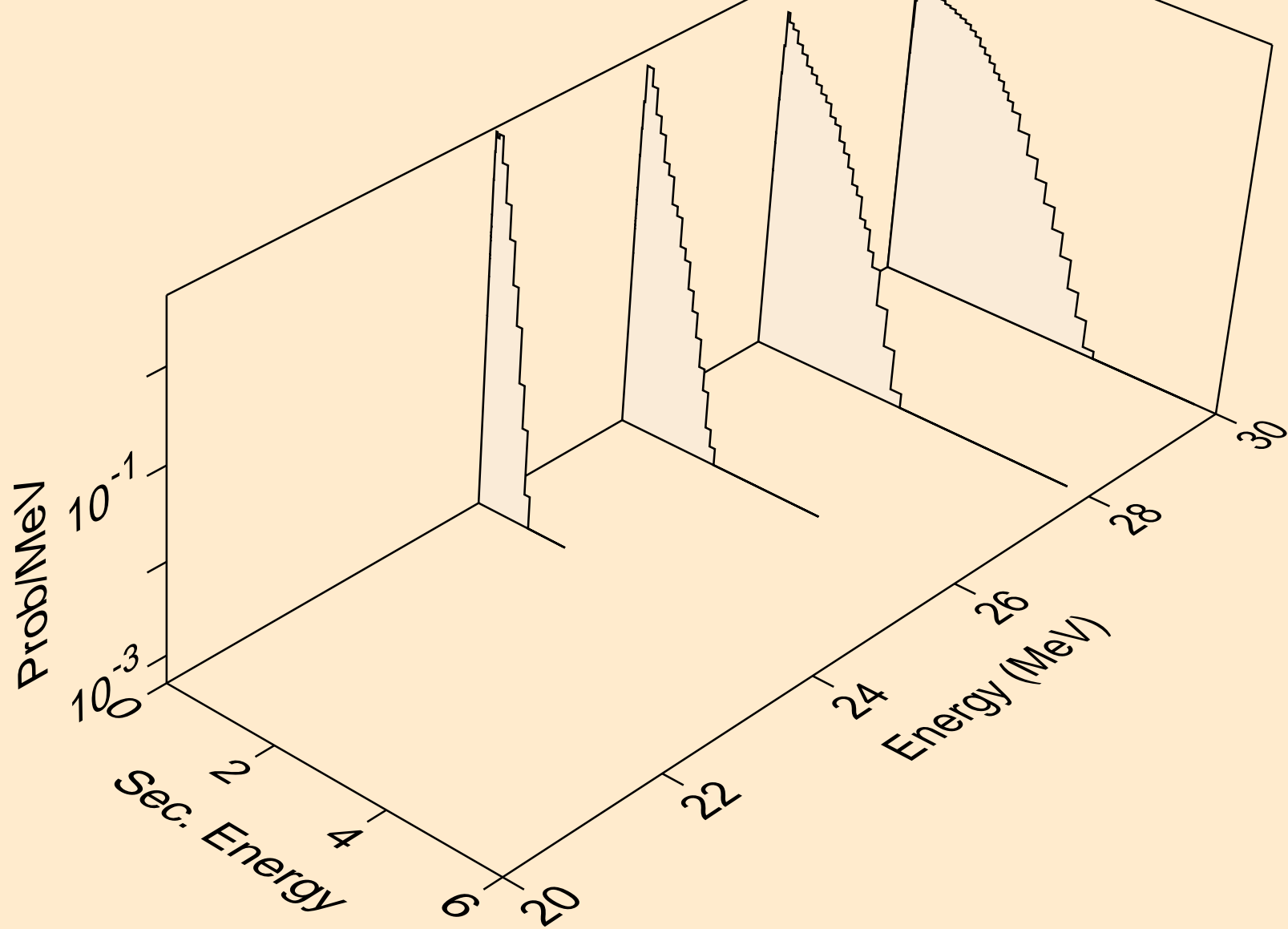


CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

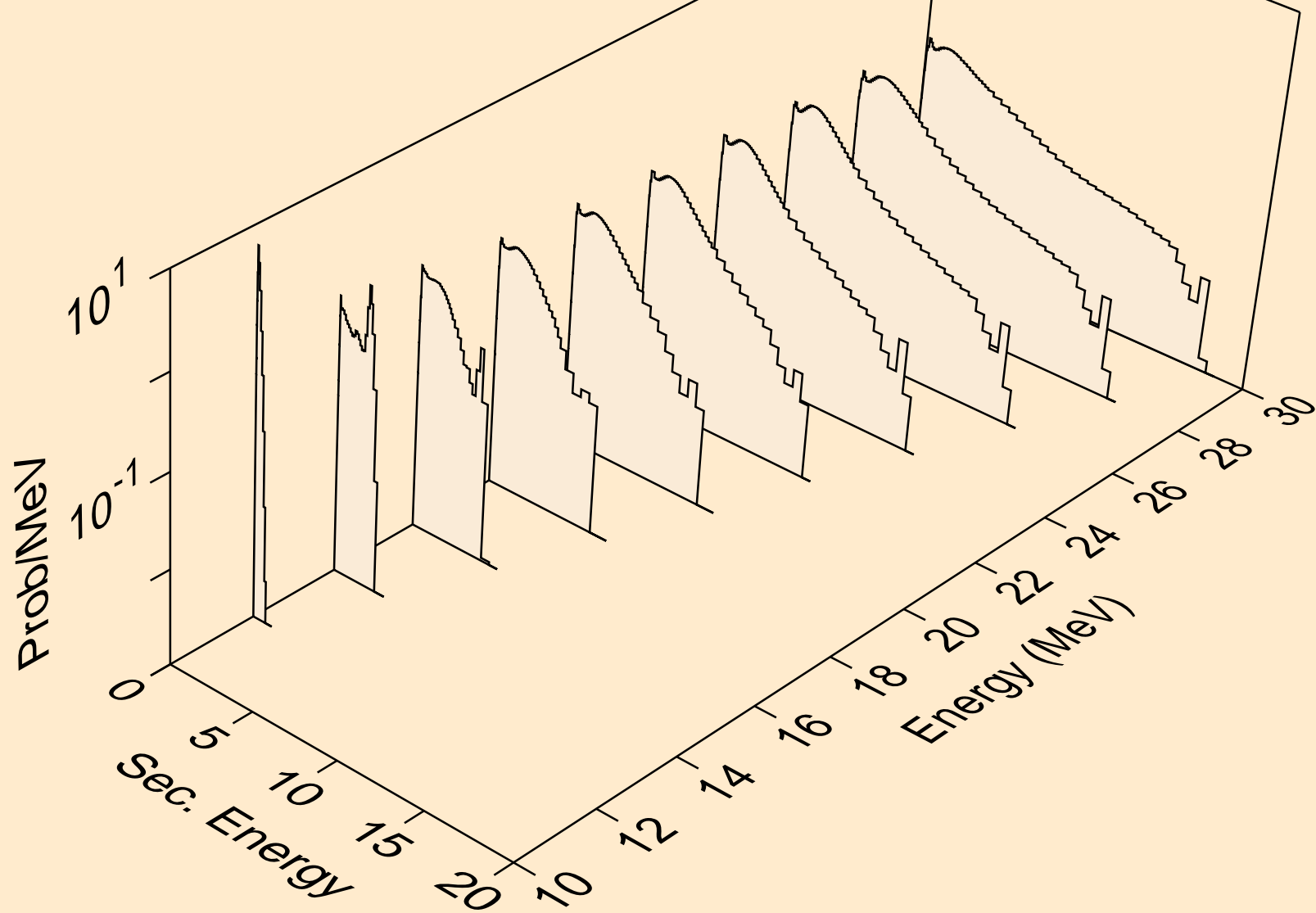




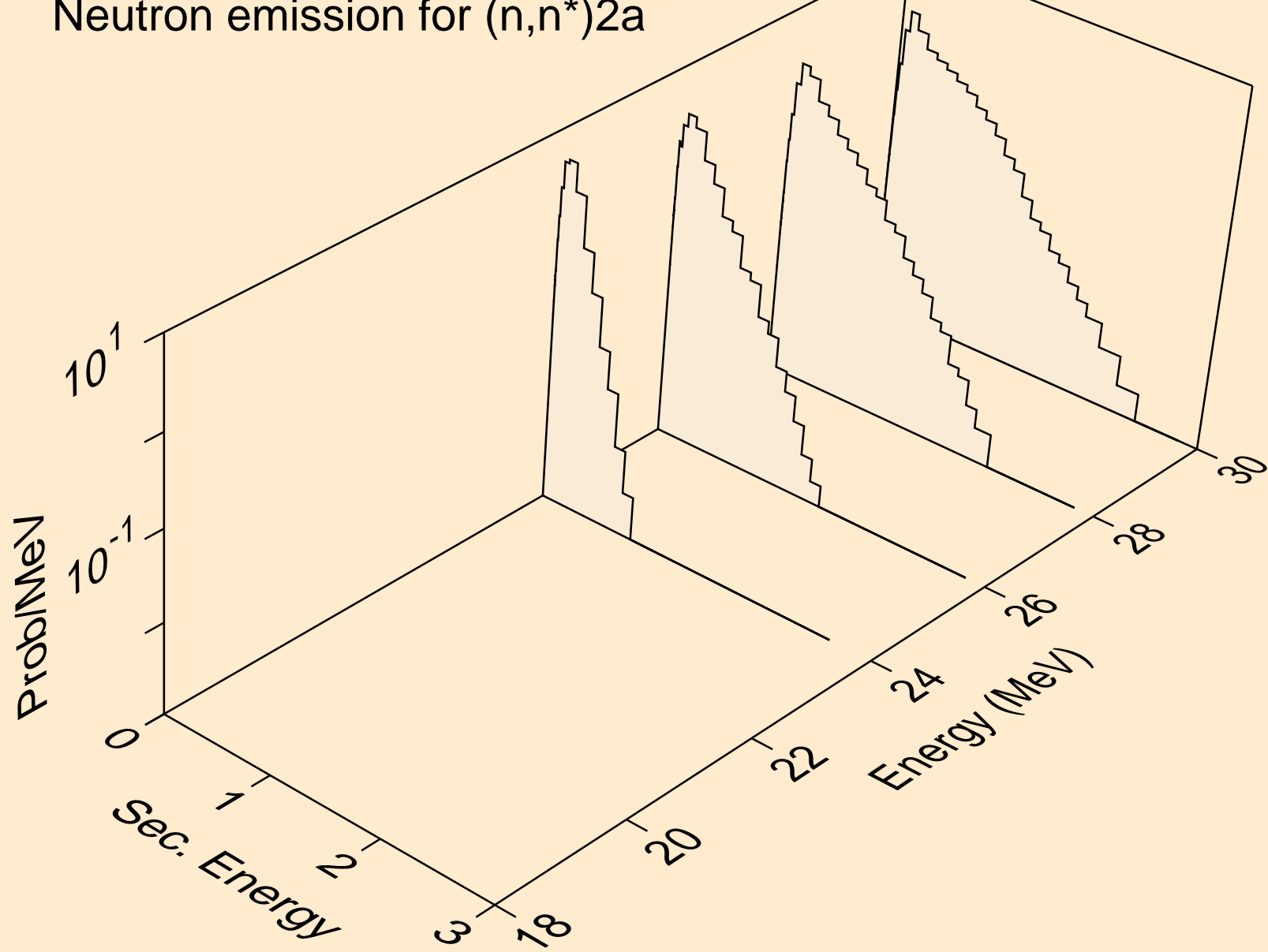
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Neutron emission for (n,2n)a



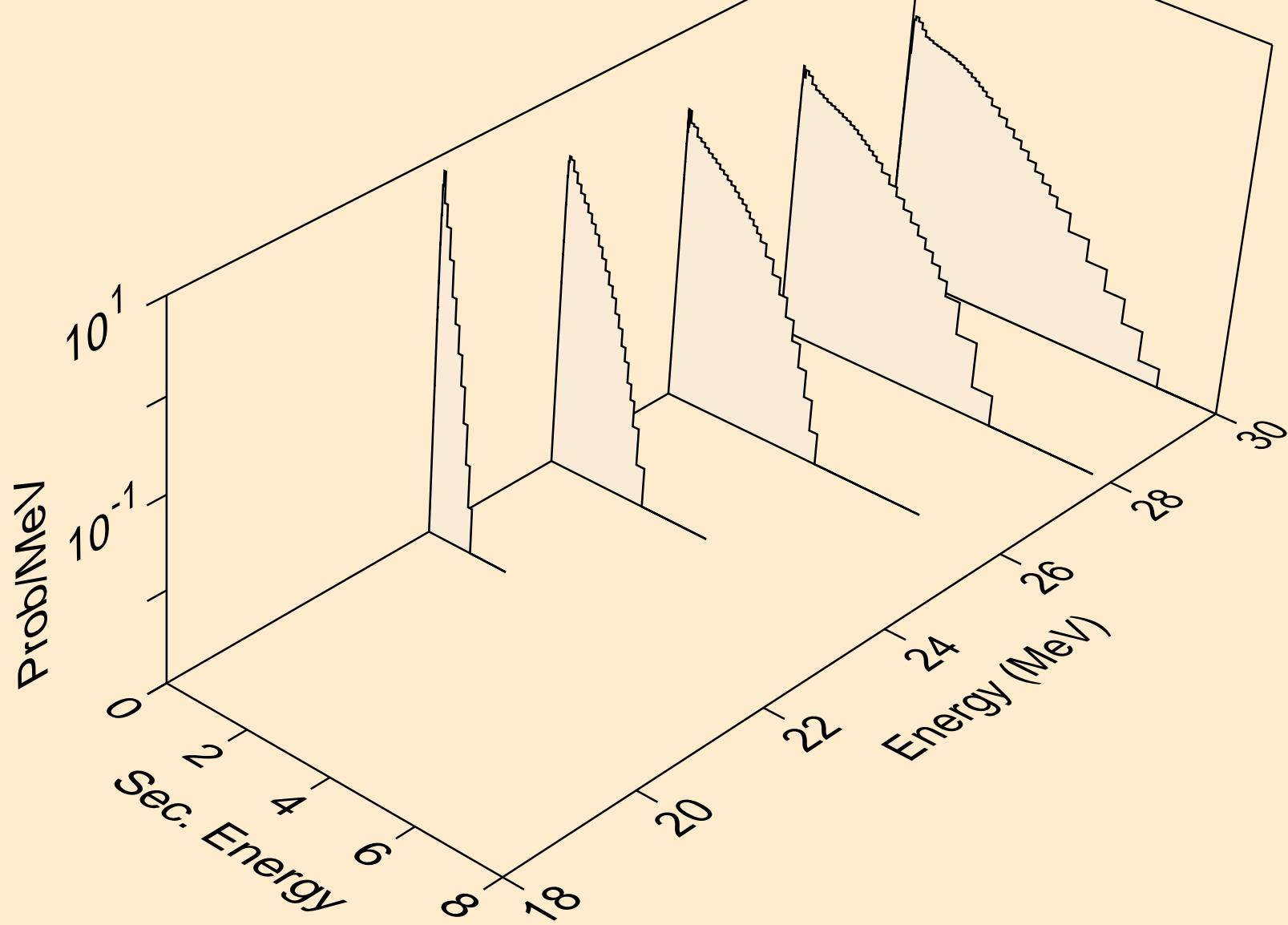
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Neutron emission for (n,n\*)p



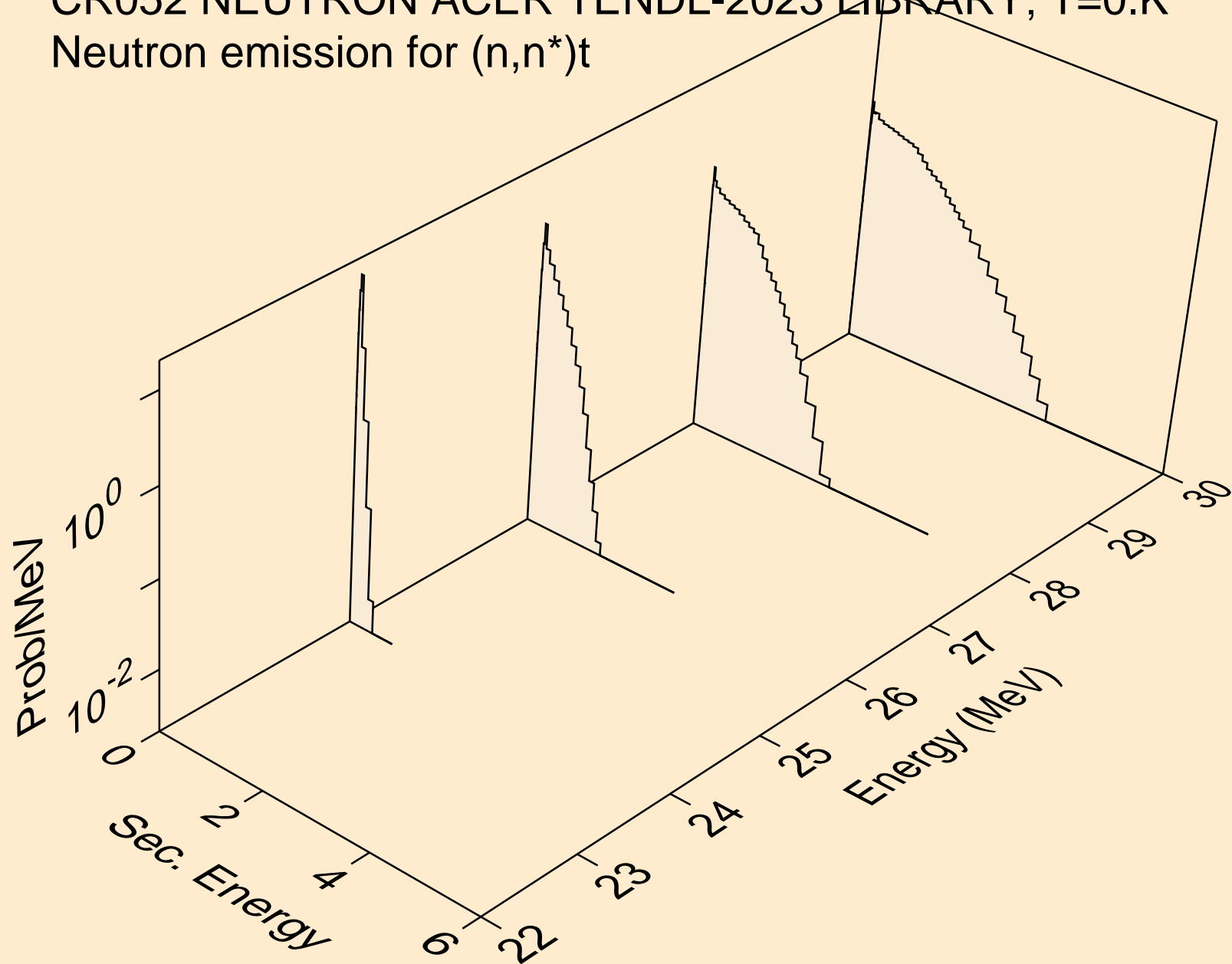
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Neutron emission for (n,n\*)2a



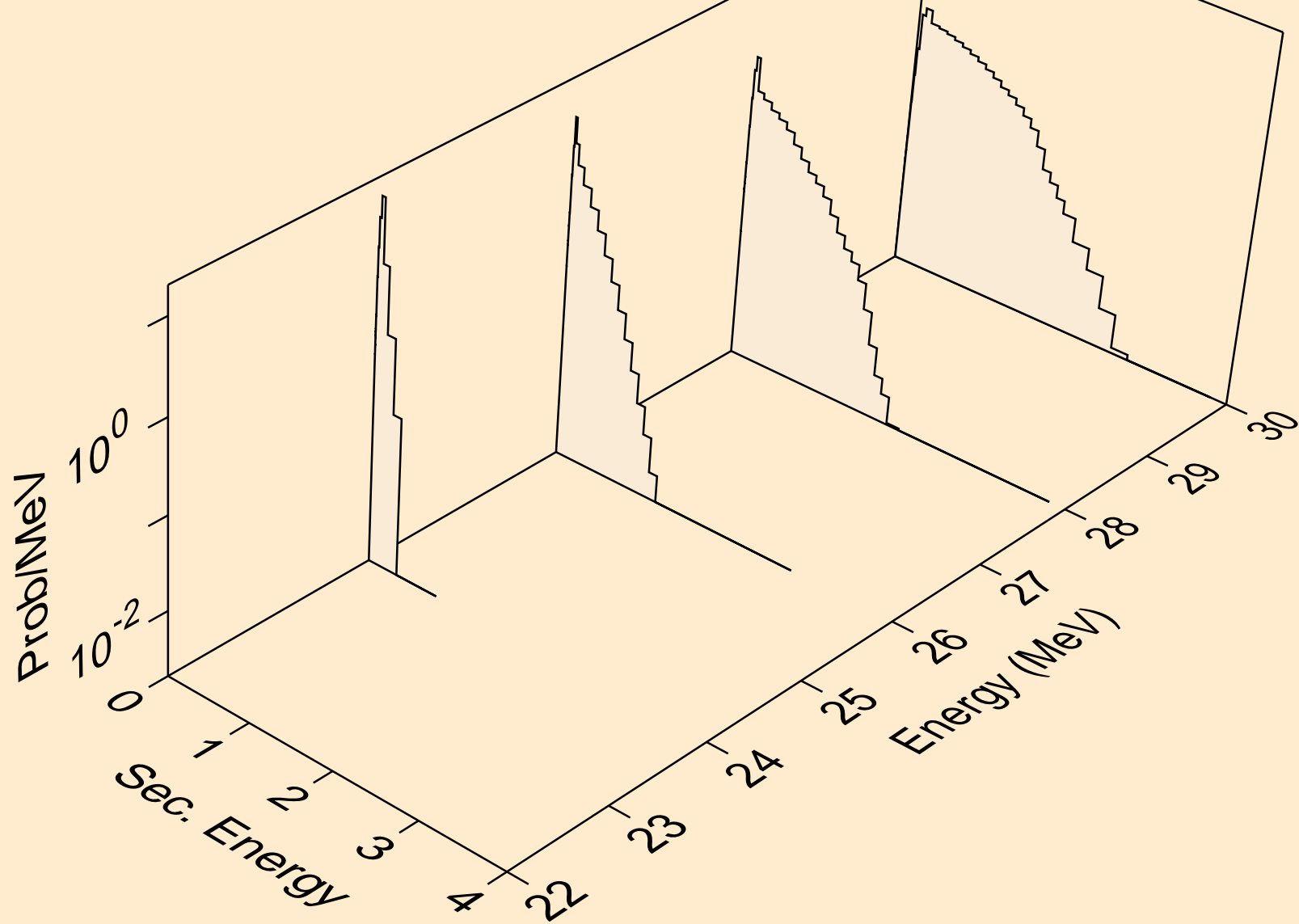
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Neutron emission for (n,n\*)d



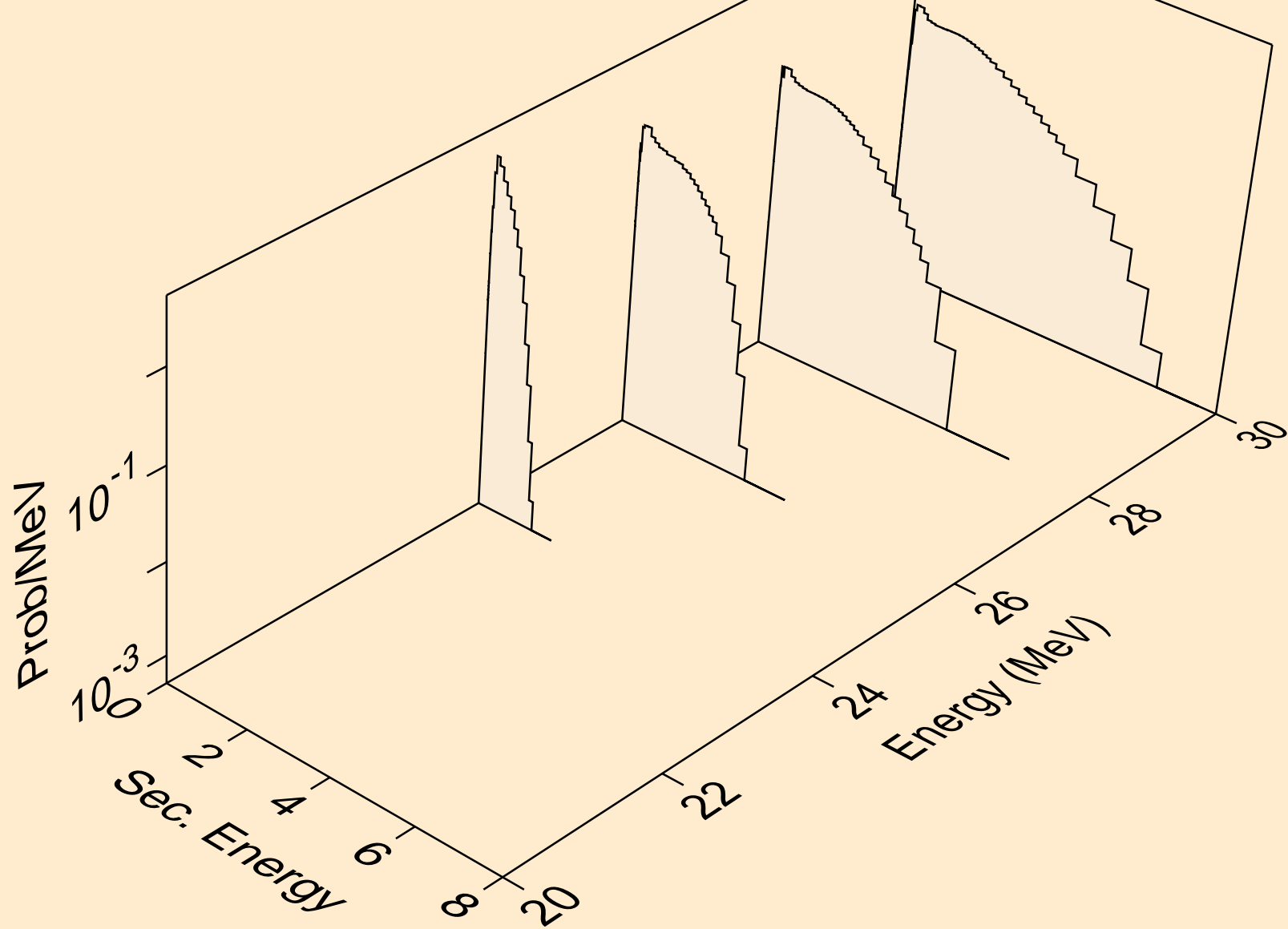
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Neutron emission for (n,n\*)t



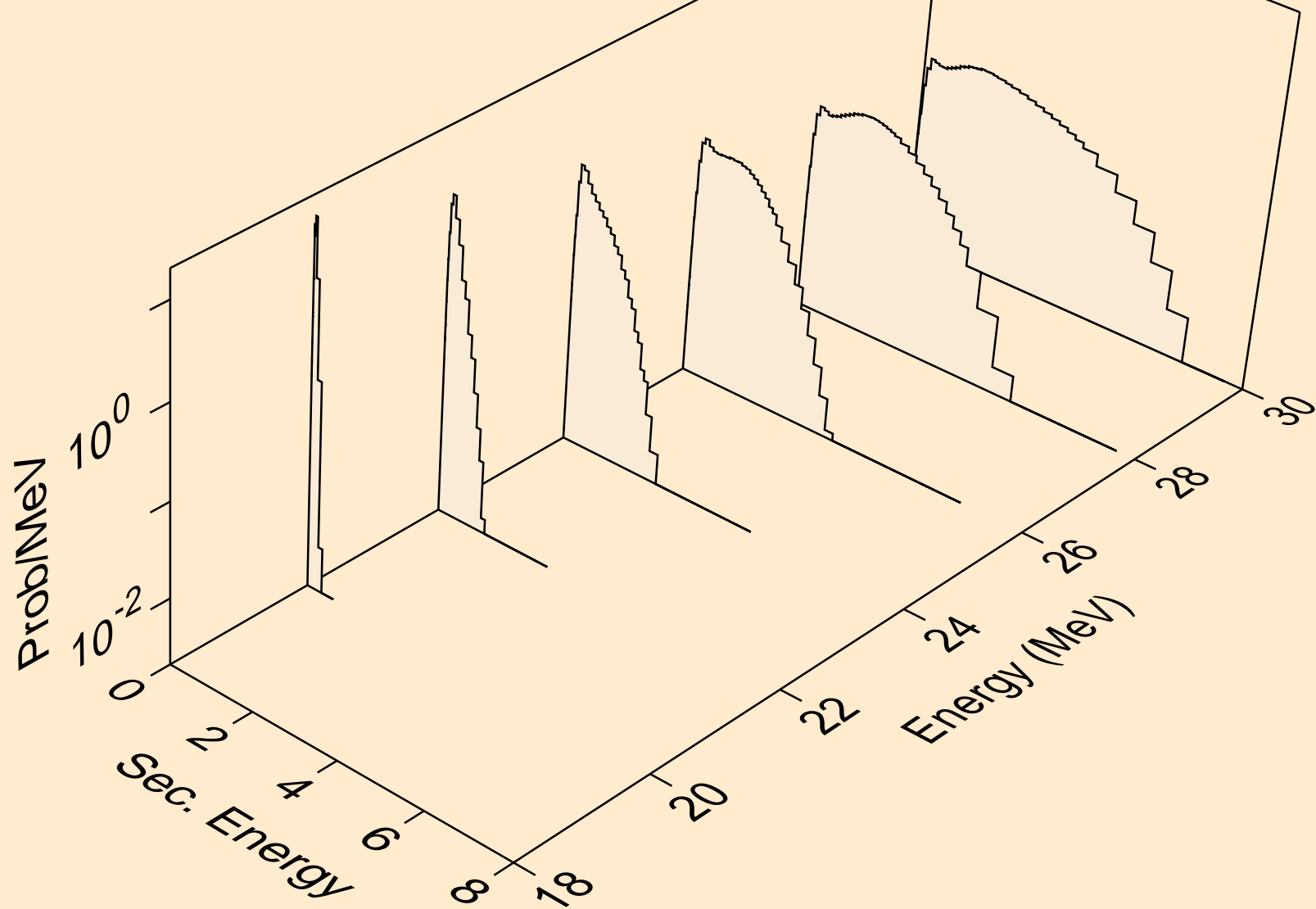
CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)

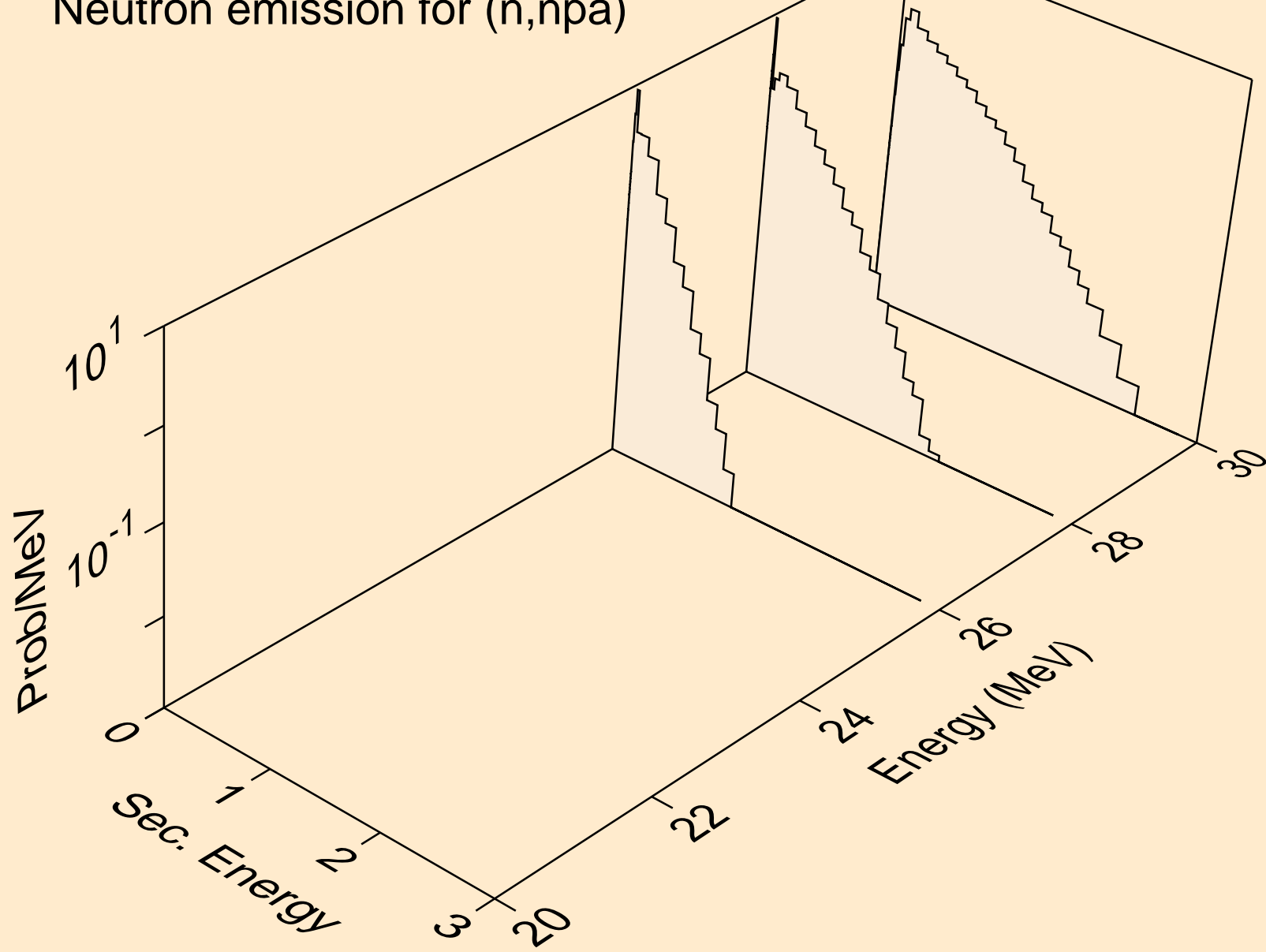


CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)

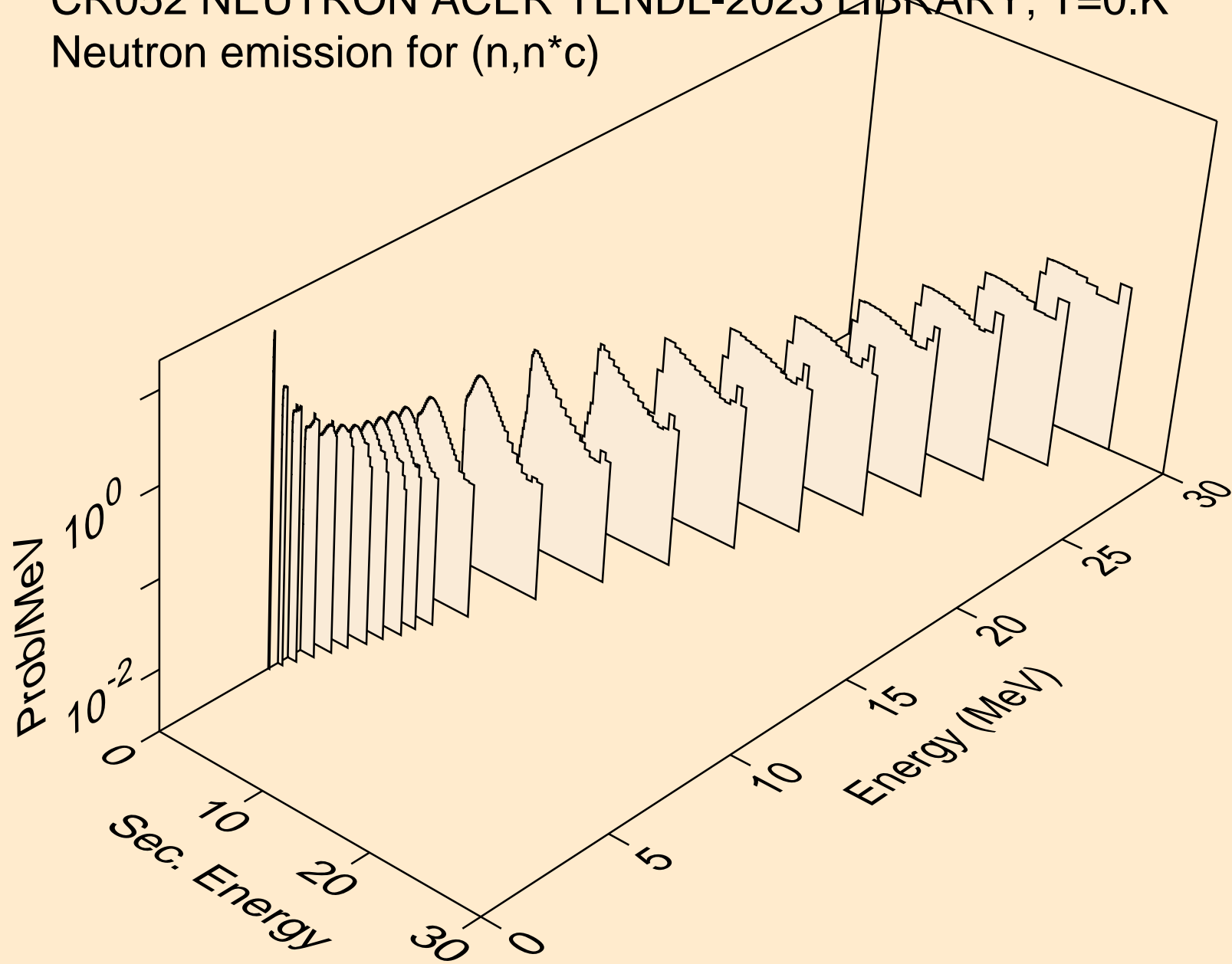




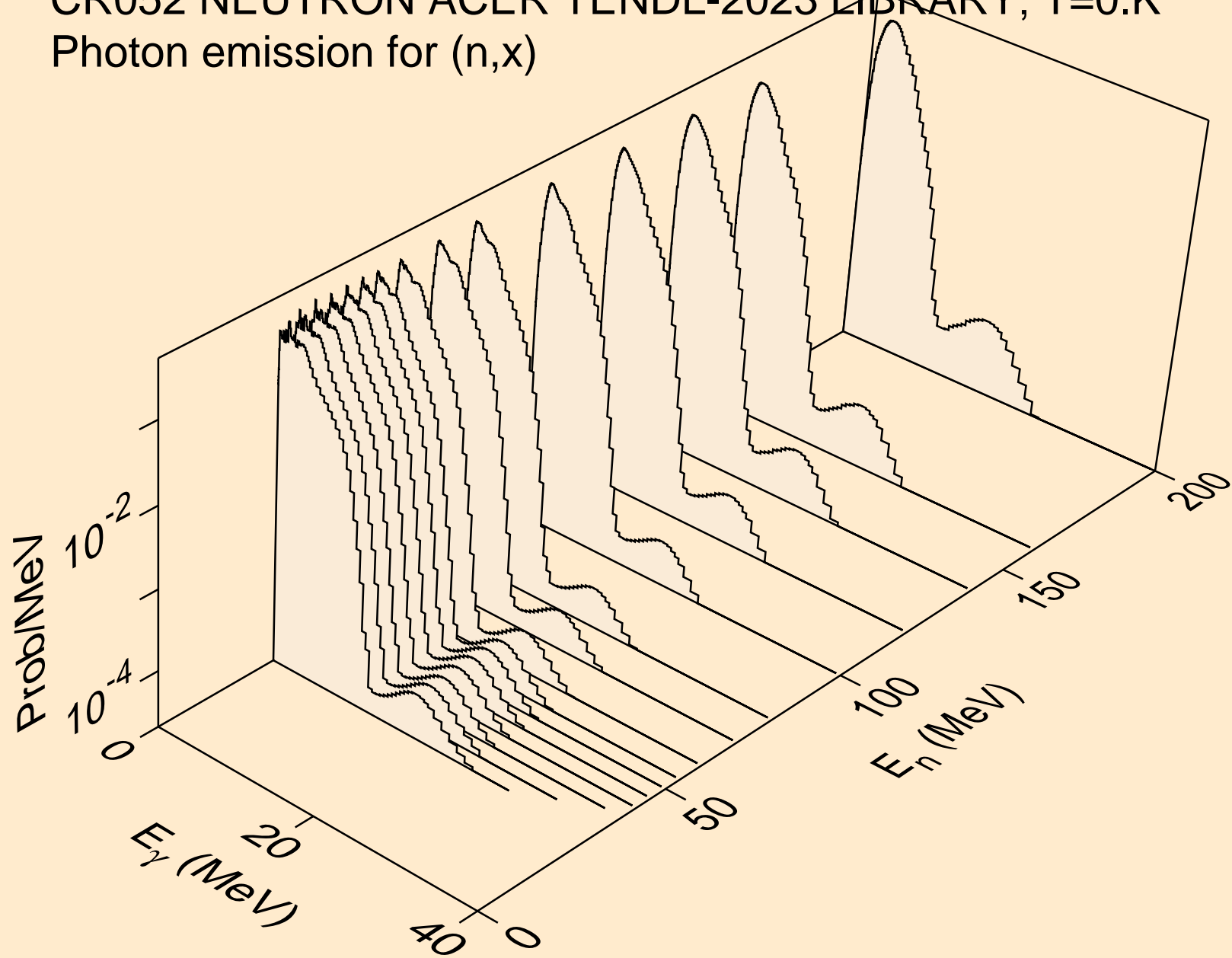
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Neutron emission for (n,npa)



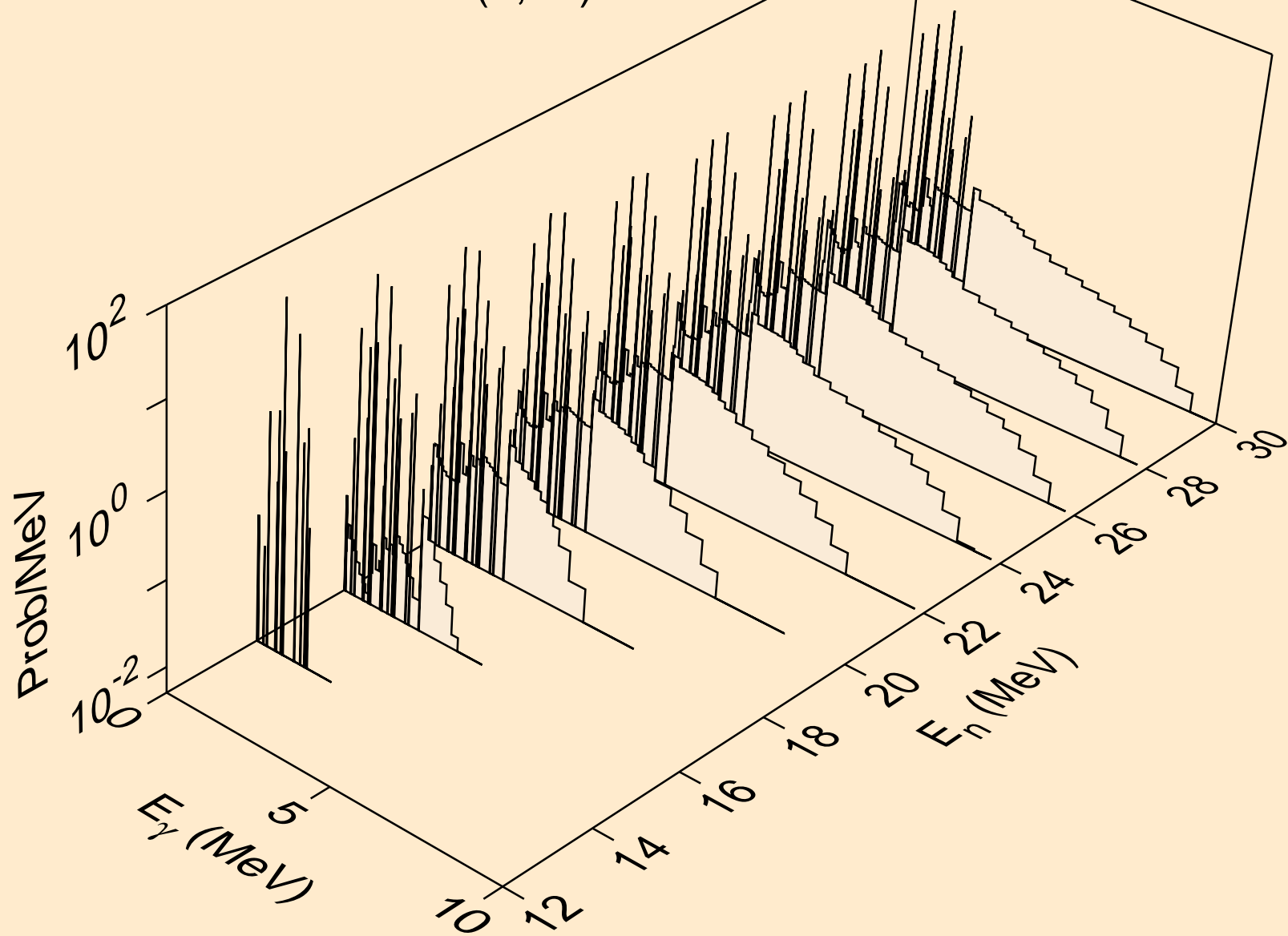
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Neutron emission for (n,n\*c)



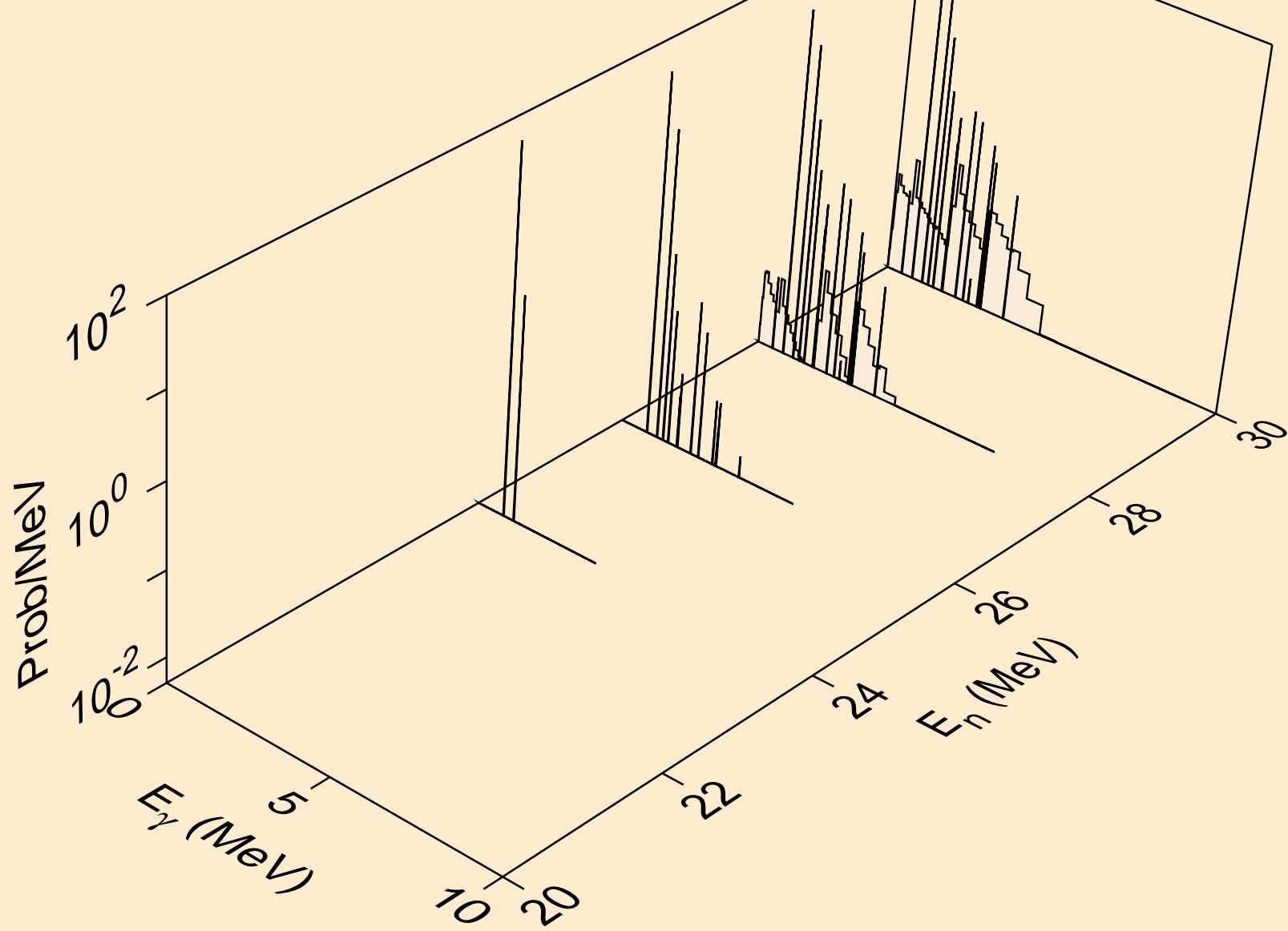
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Photon emission for (n,x)



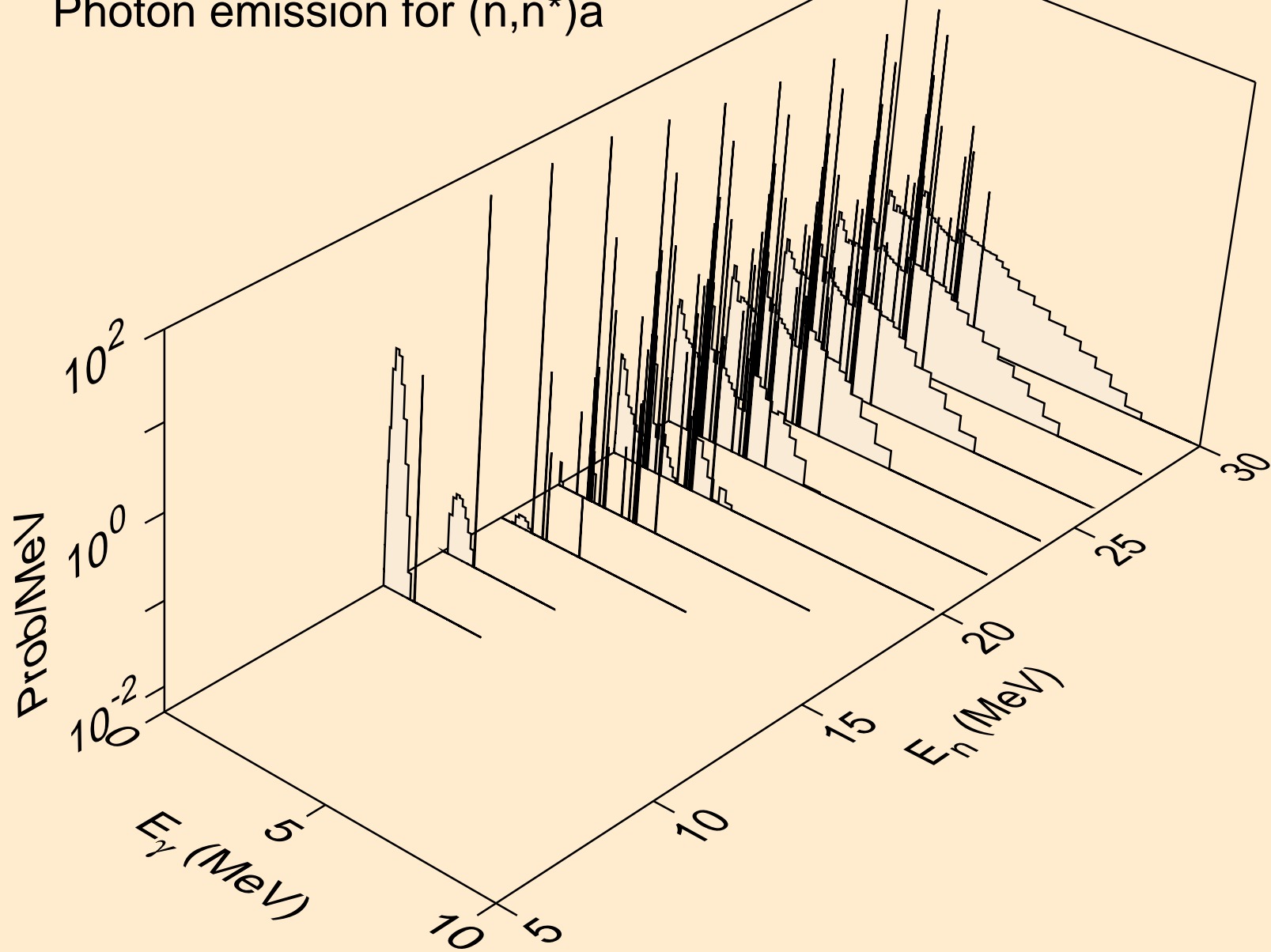
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Photon emission for (n,2n)



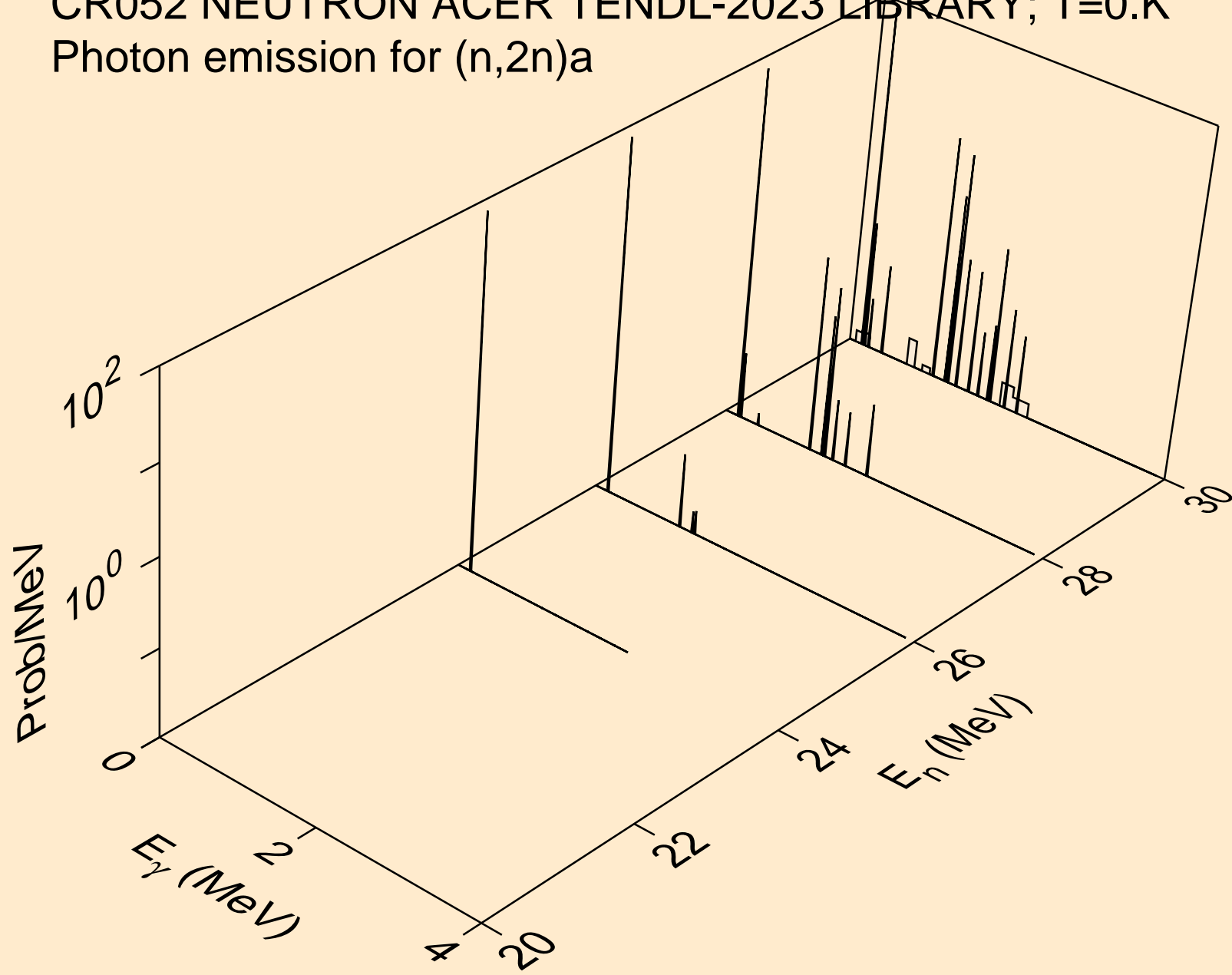
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Photon emission for (n,3n)



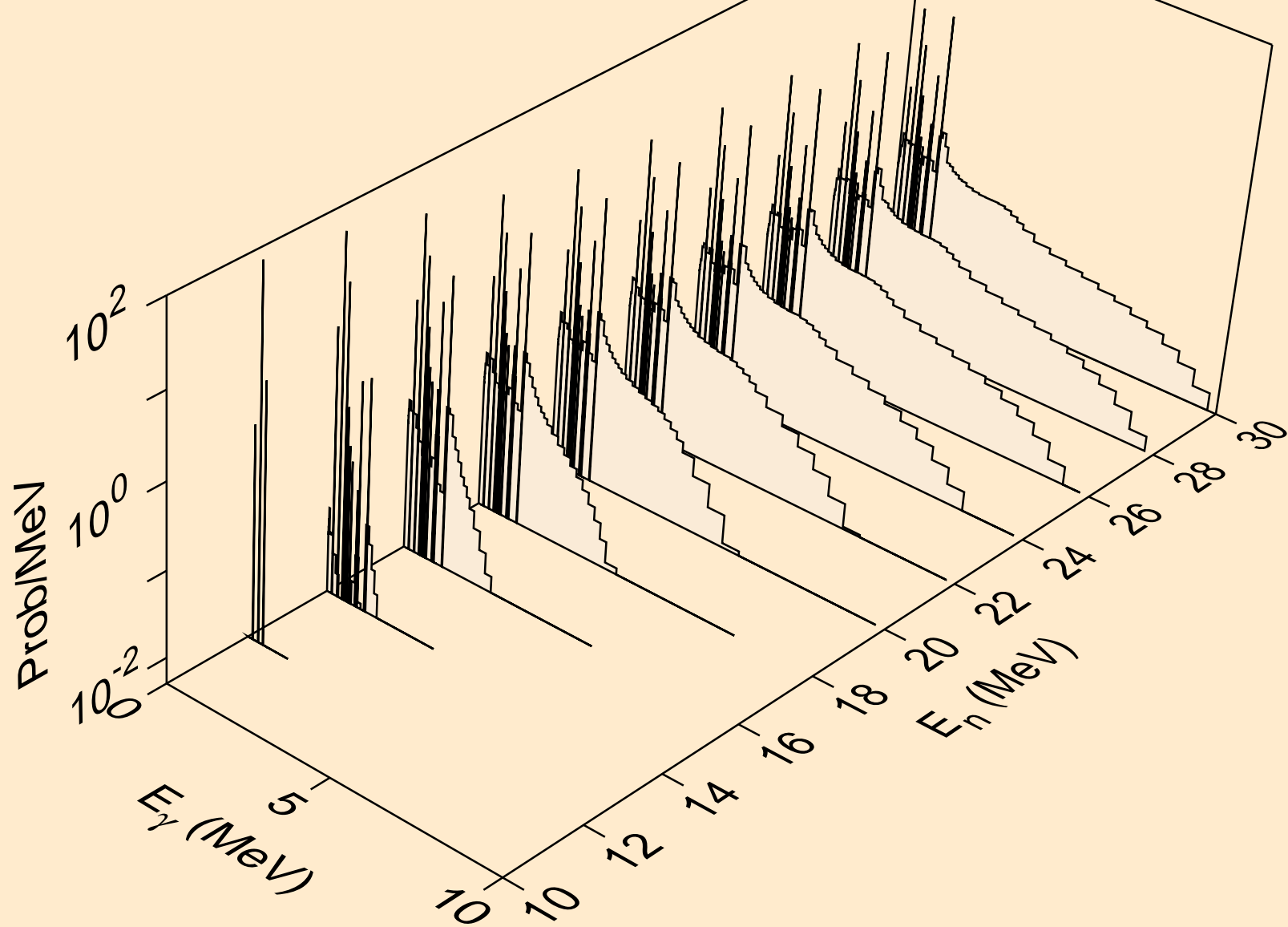
CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

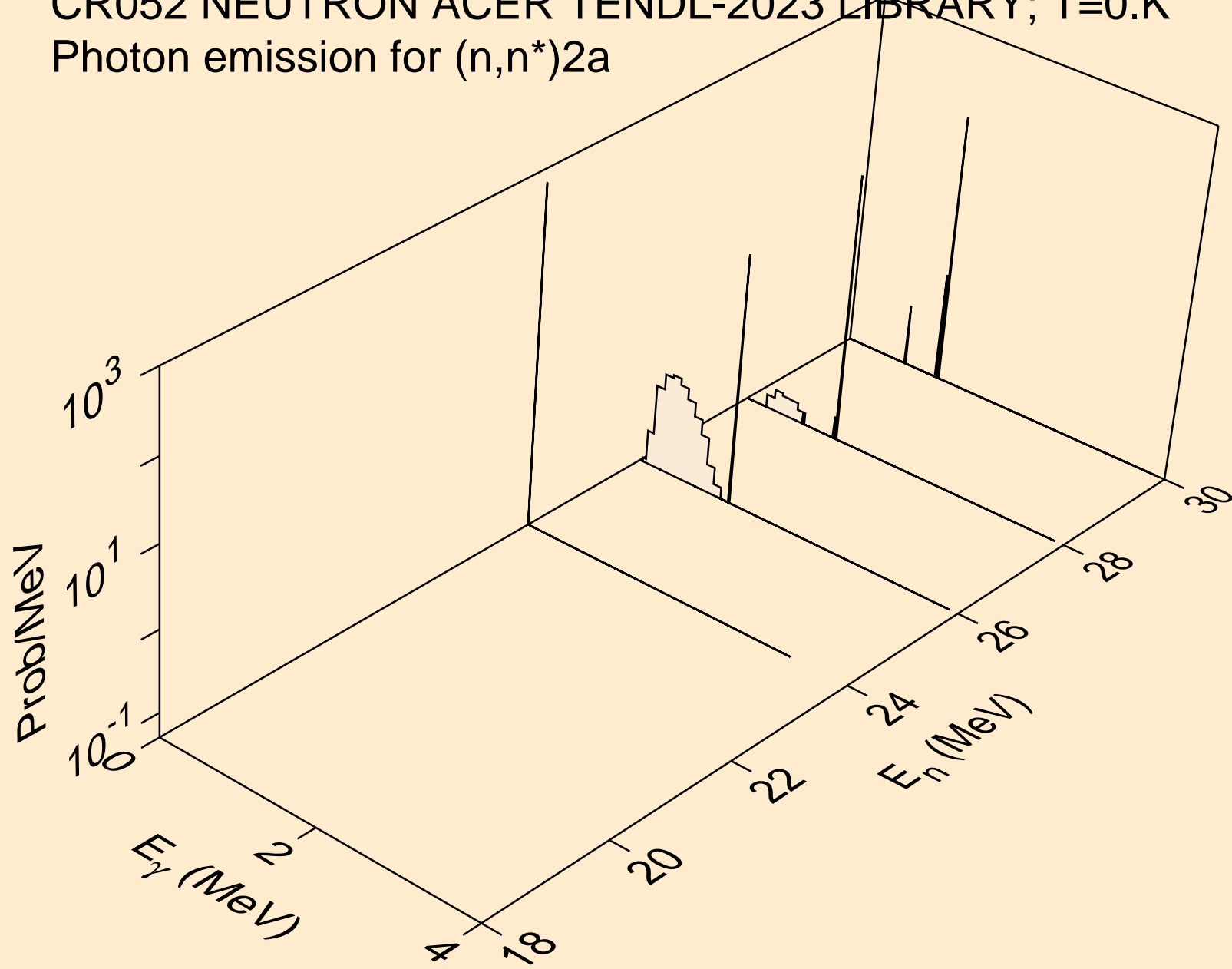


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Photon emission for (n,n\*)p

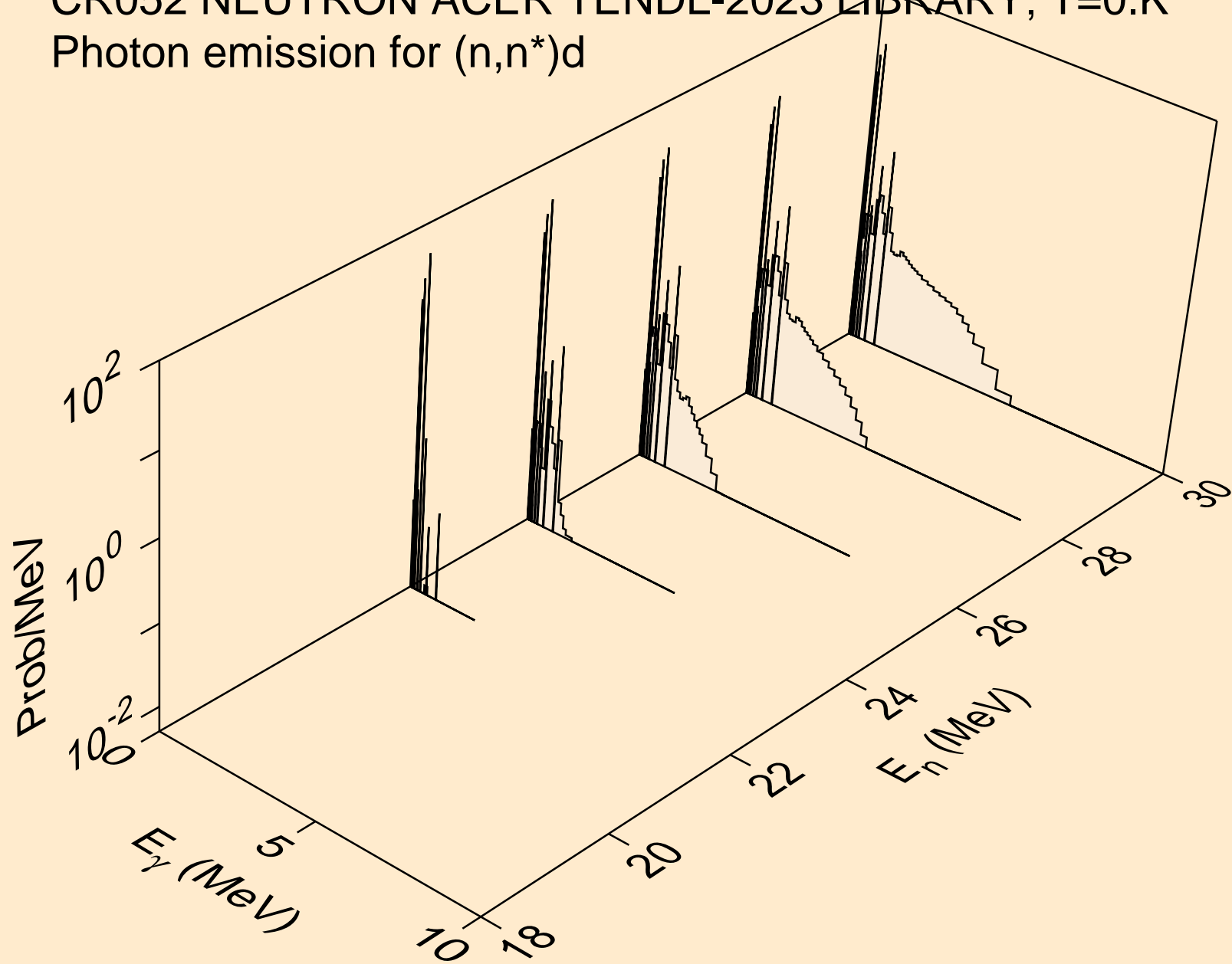




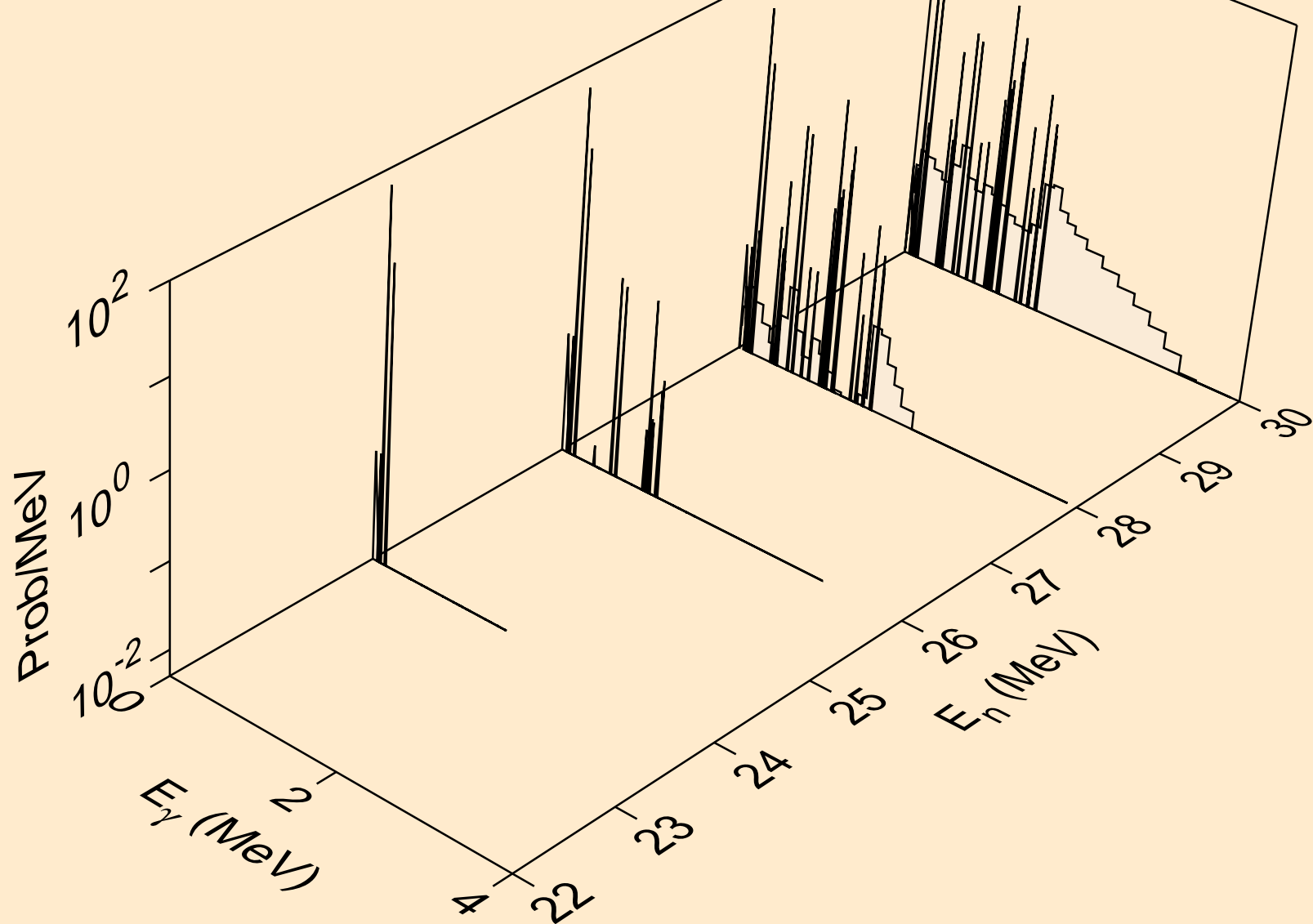
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Photon emission for (n,n\*)2a



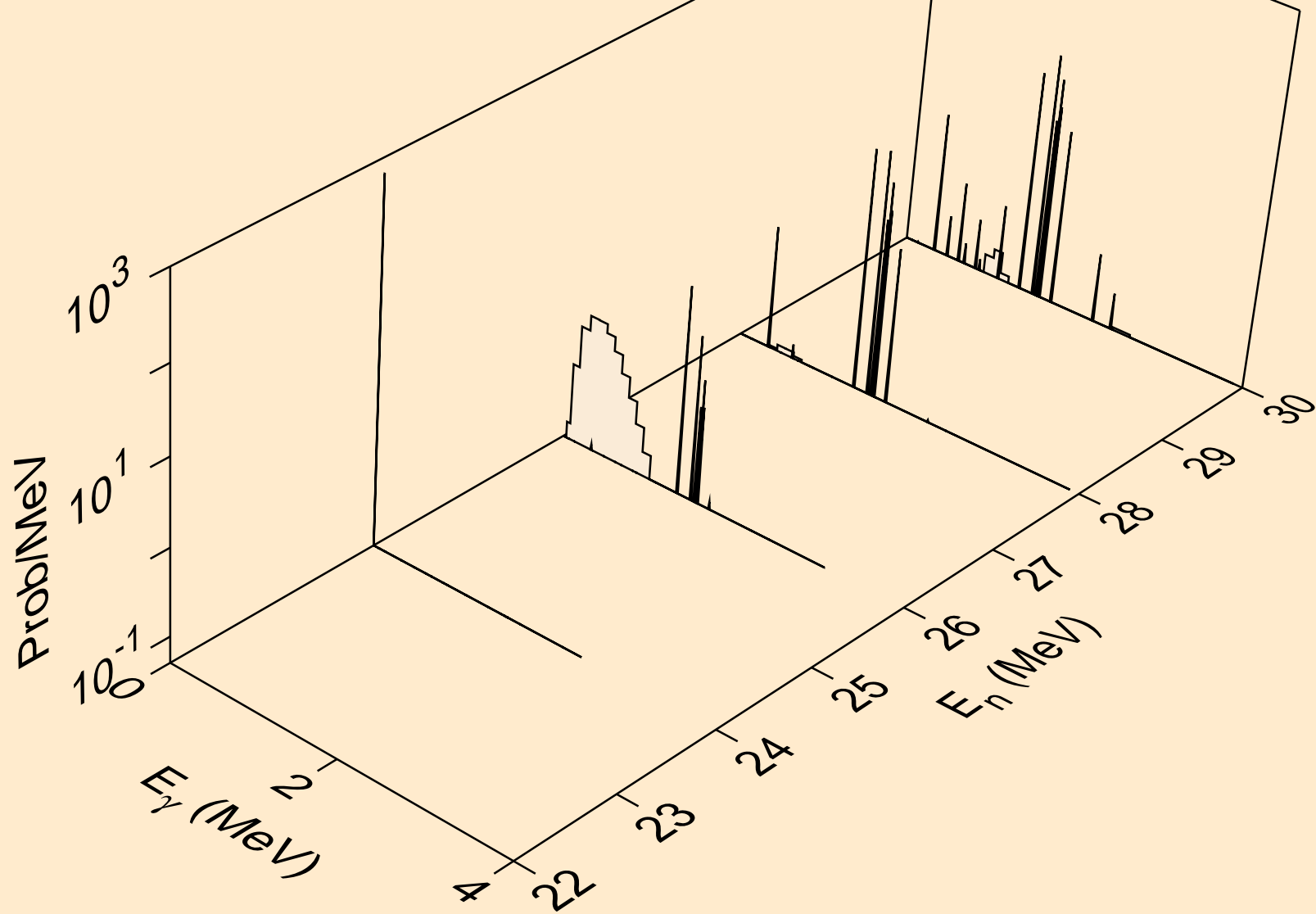
CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



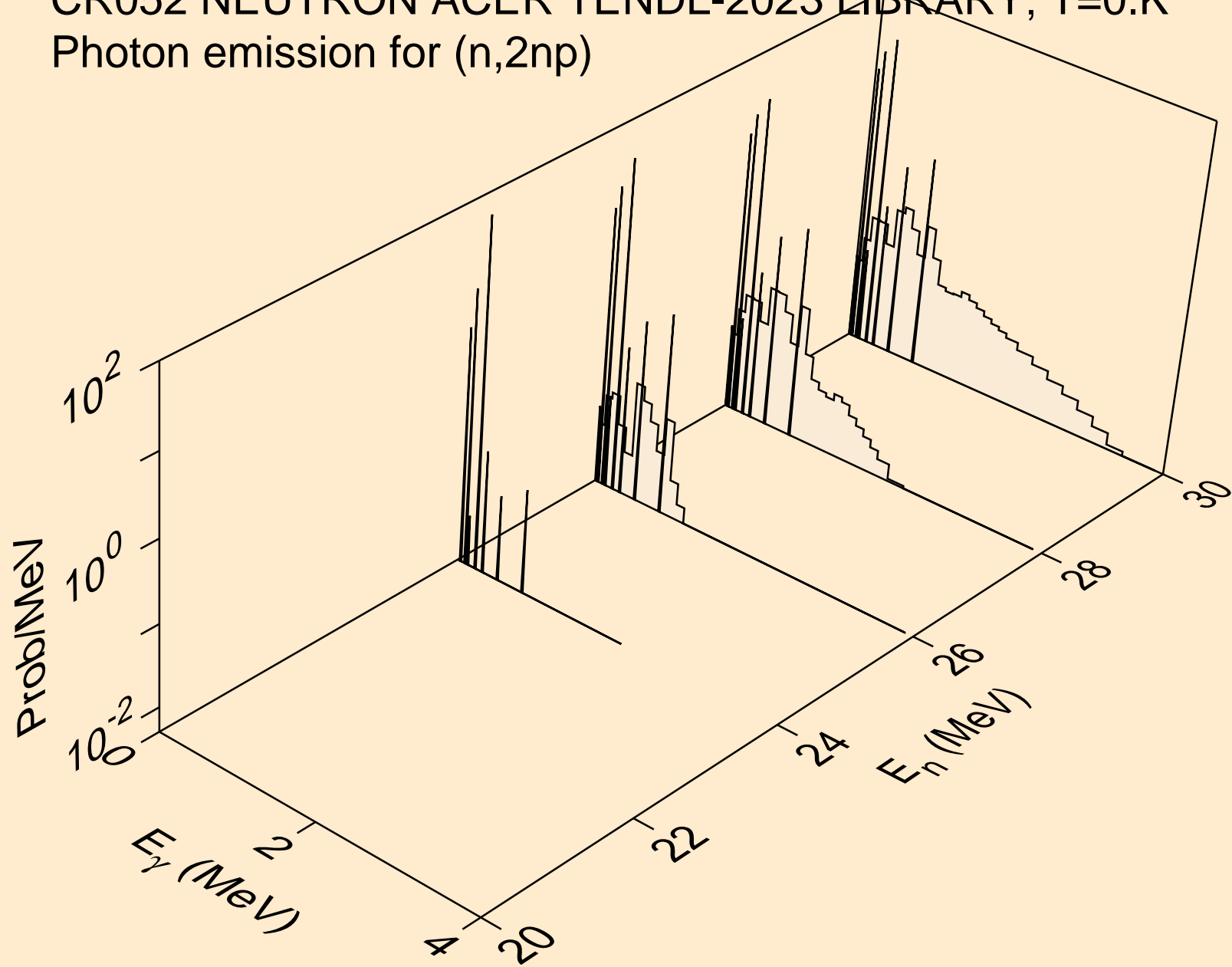
CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



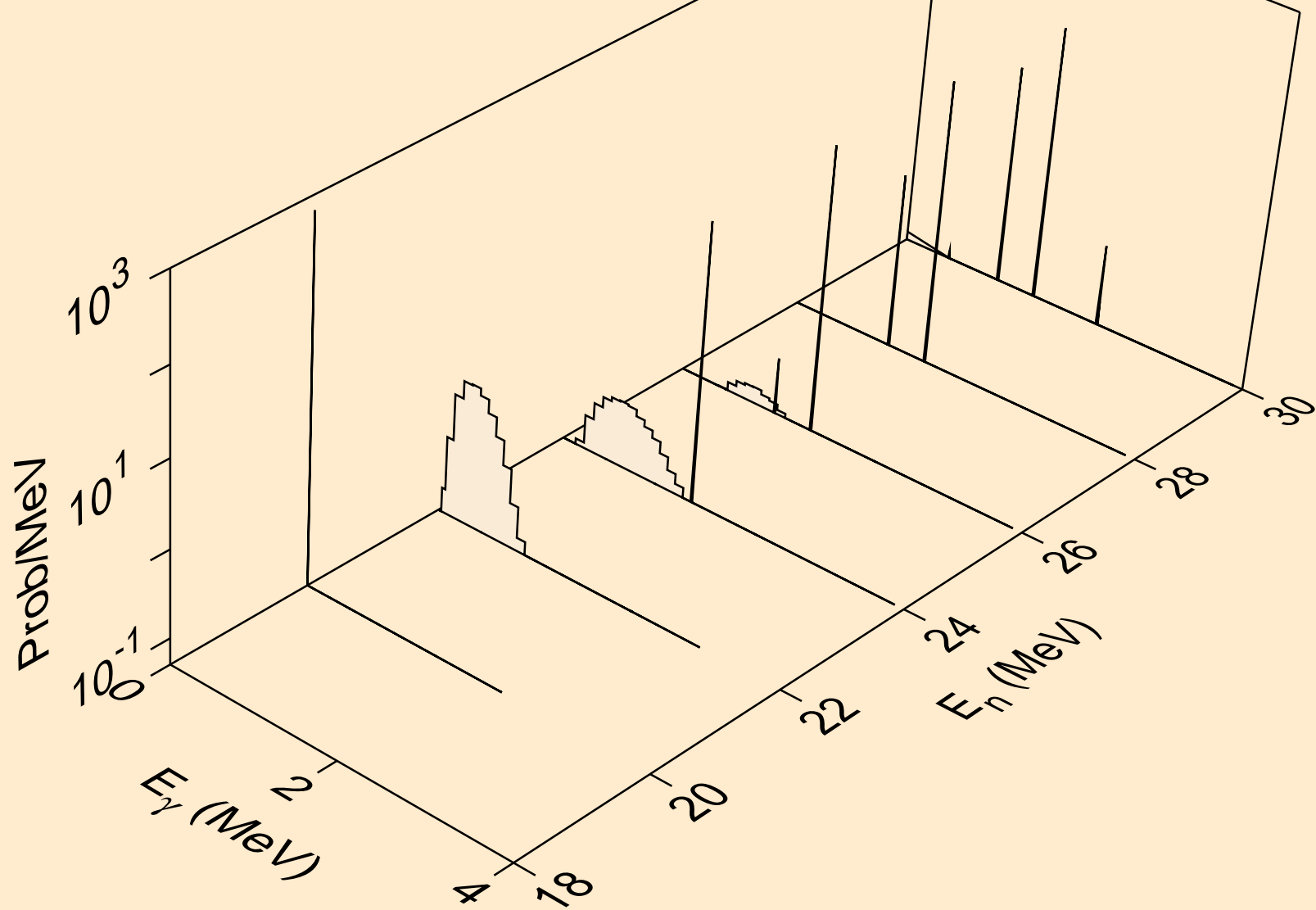
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Photon emission for (n,n\*)he3



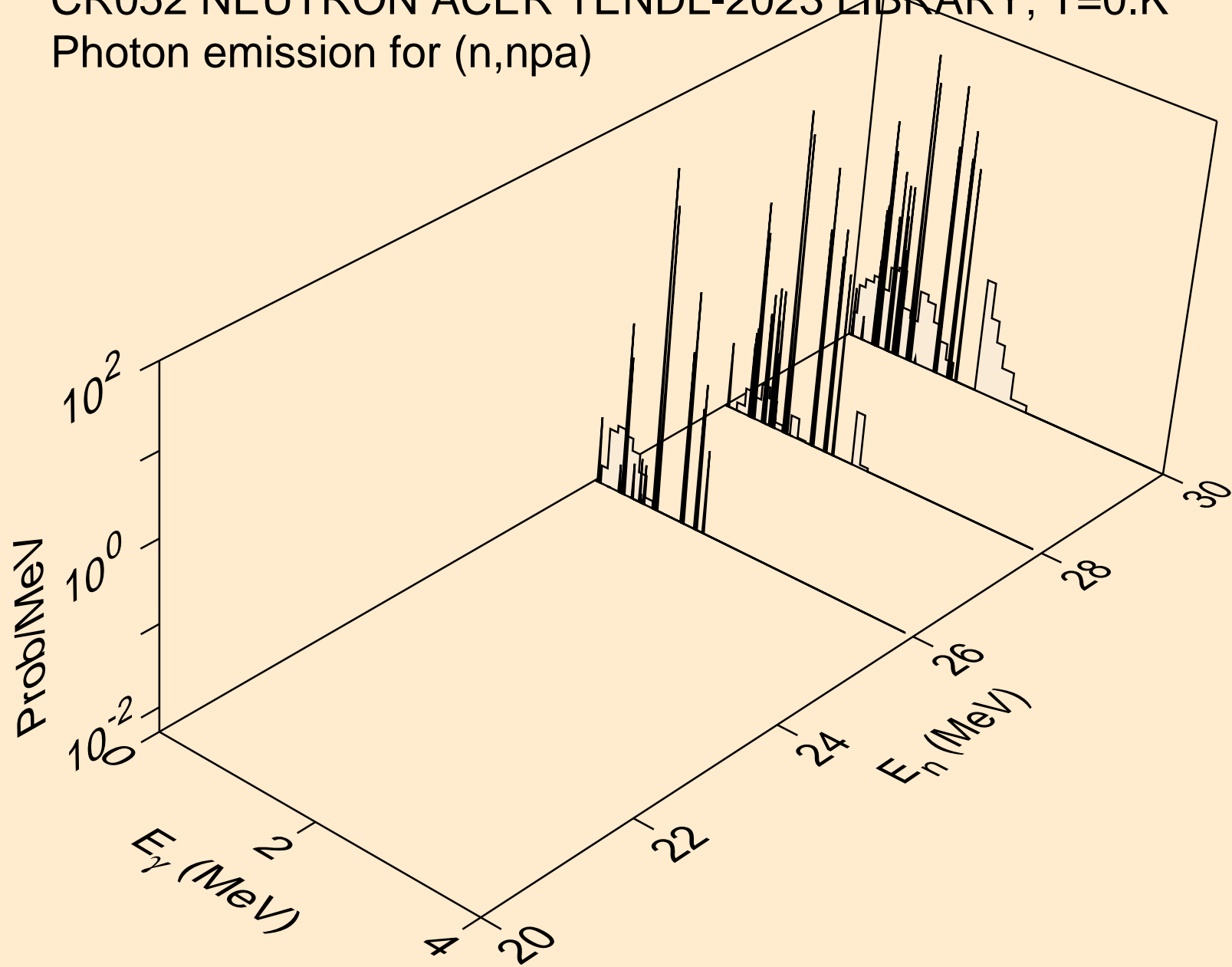
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Photon emission for (n,2np)



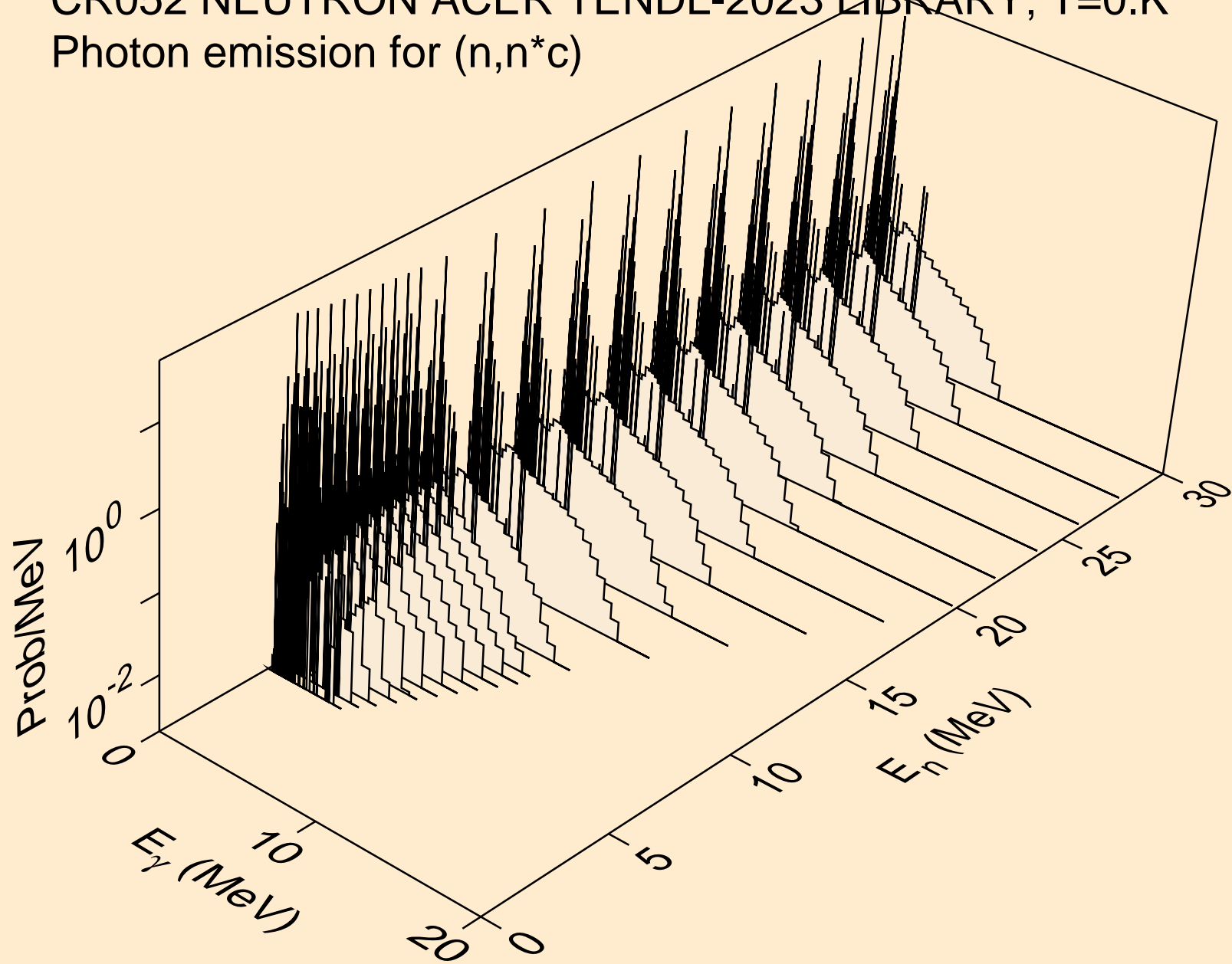
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Photon emission for (n,n2p)



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Photon emission for (n,npa)

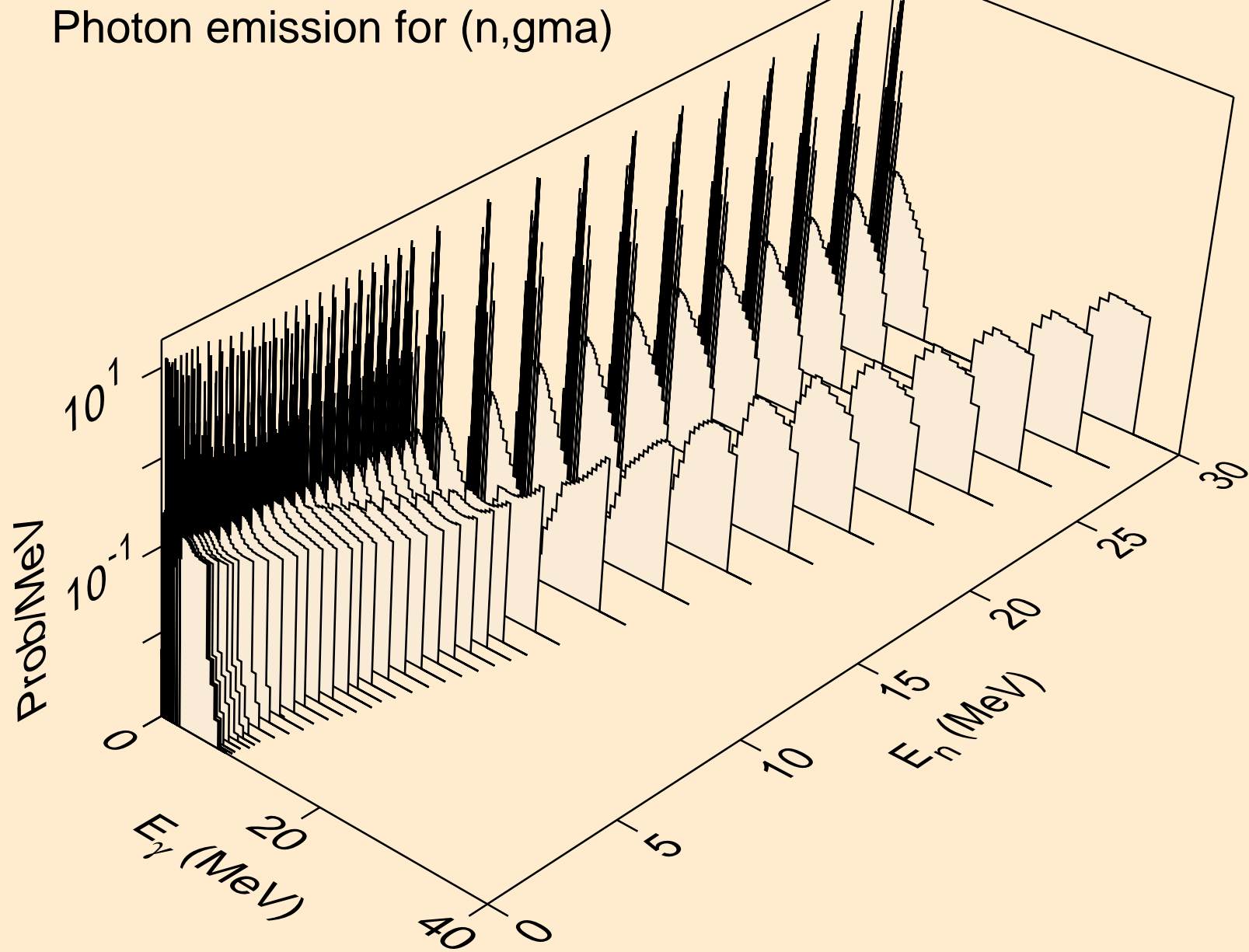


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Photon emission for (n,n\*c)

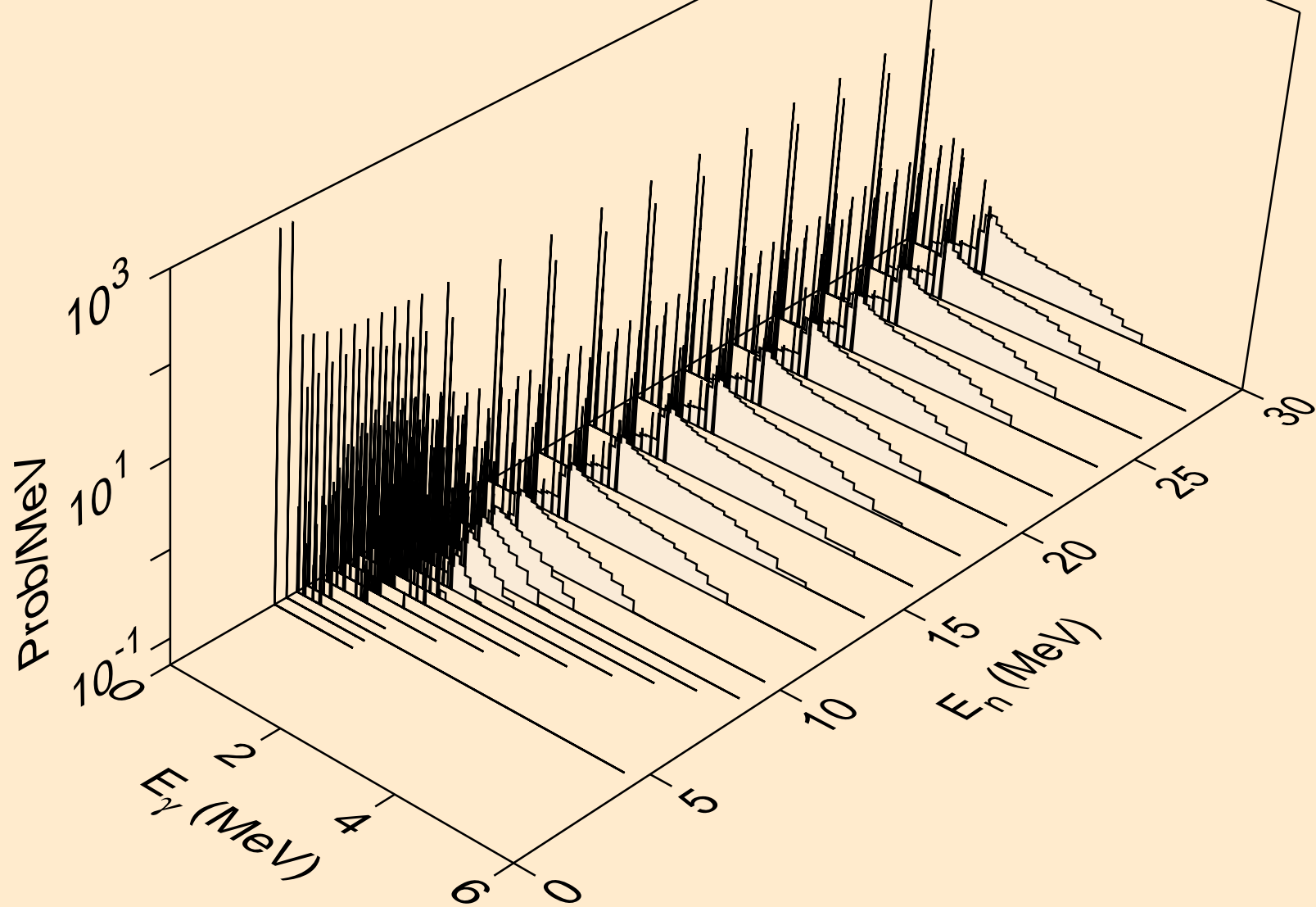




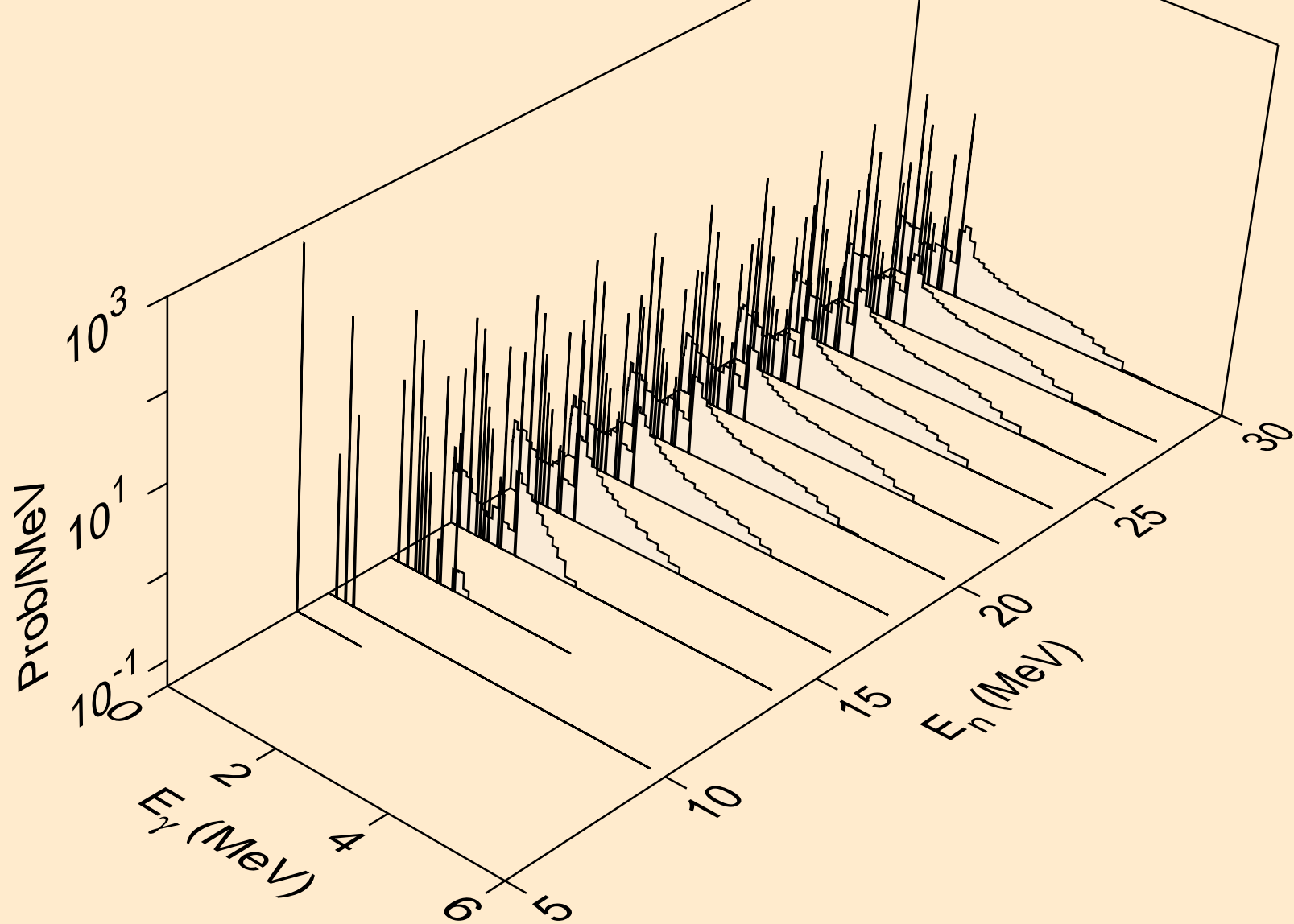
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Photon emission for (n,gma)



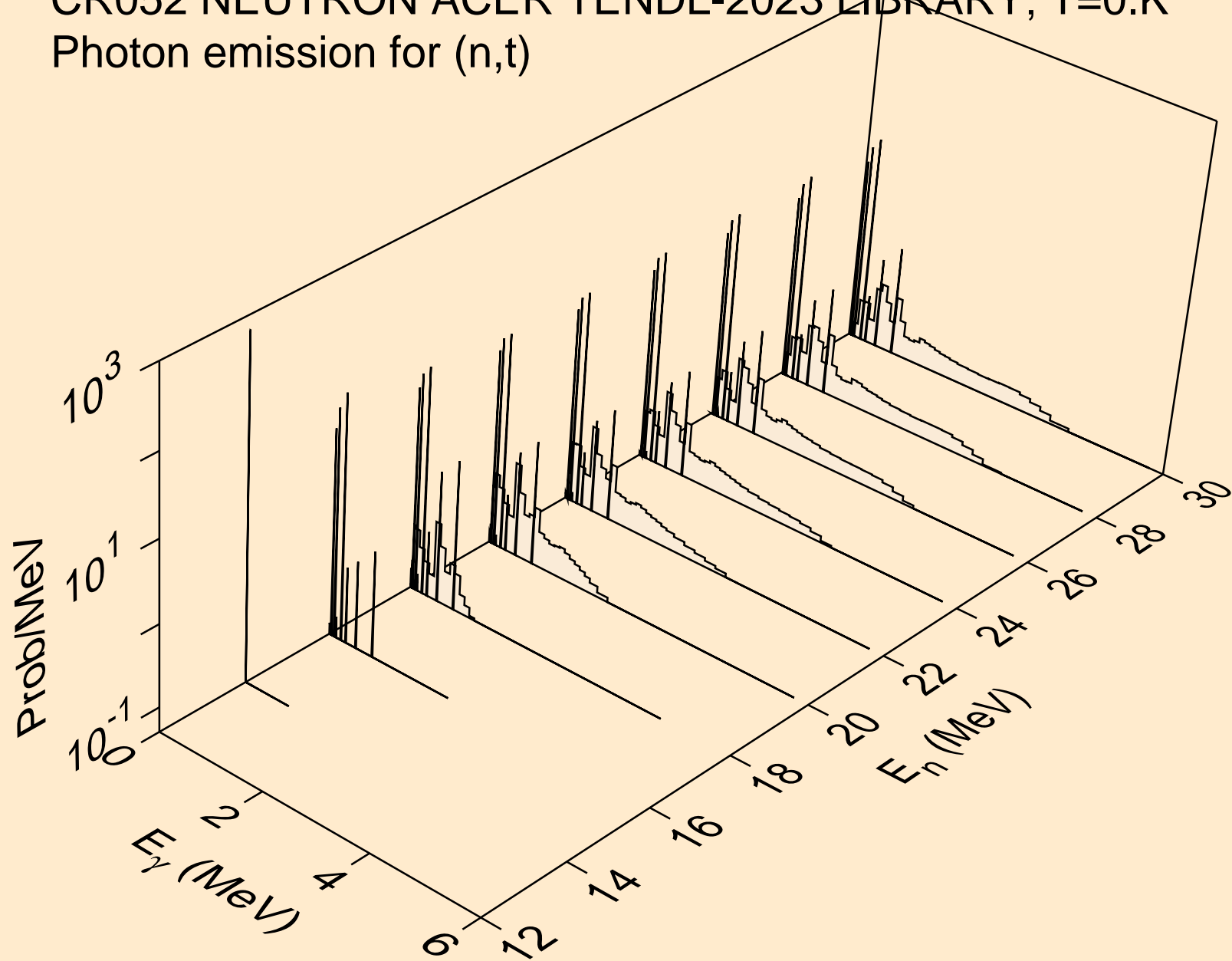
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Photon emission for (n,p)



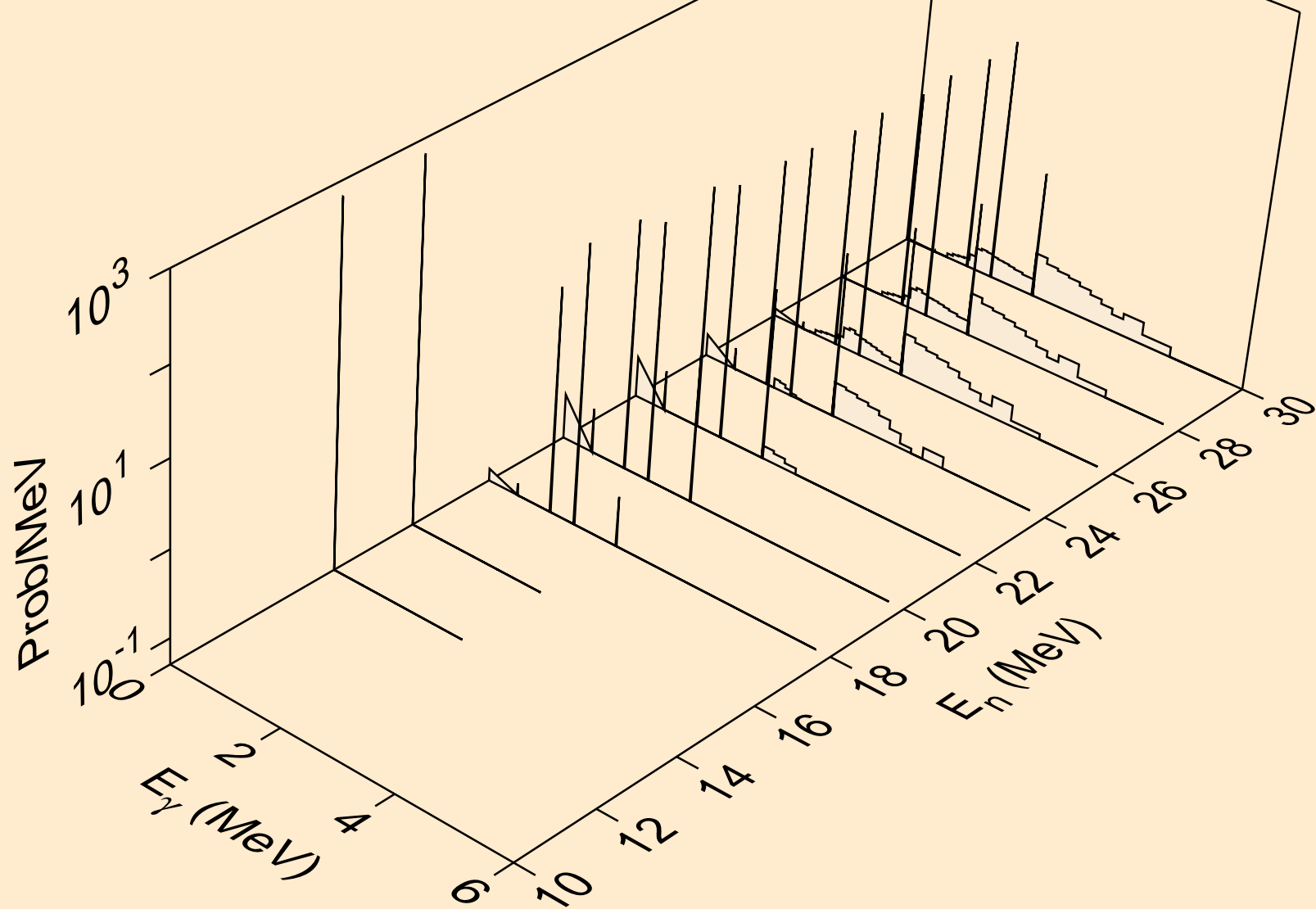
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Photon emission for (n,d)



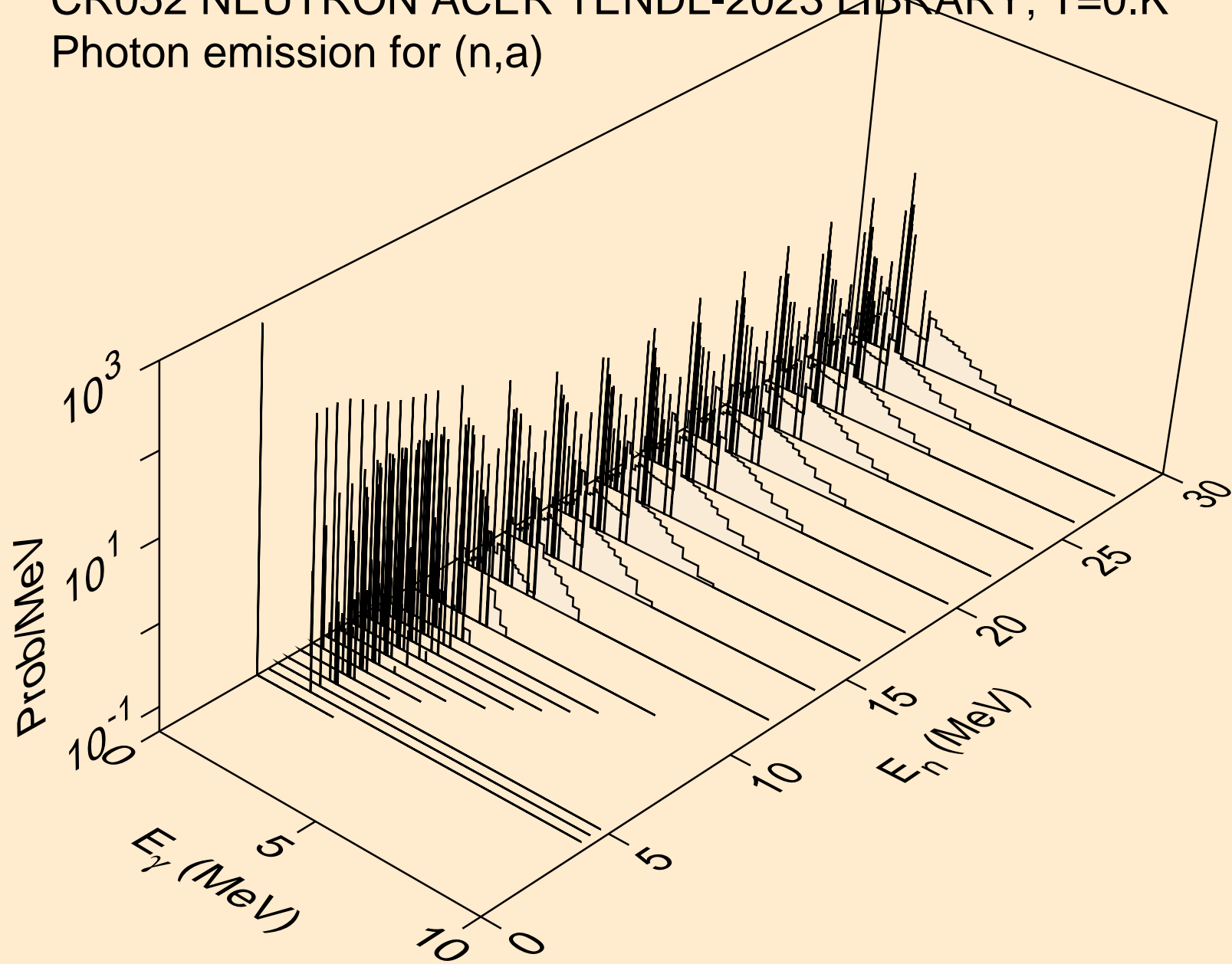
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Photon emission for (n,t)



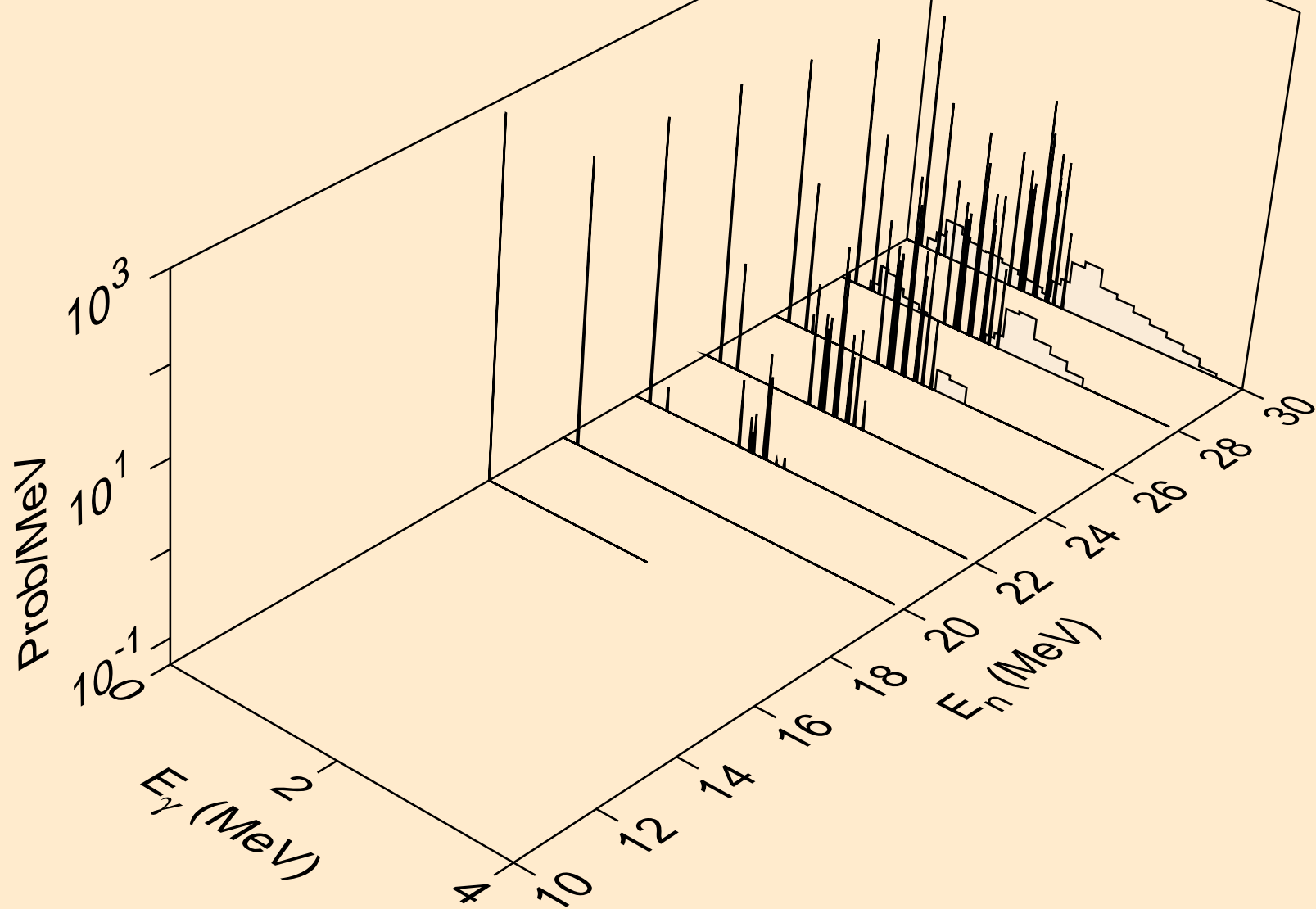
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Photon emission for (n,he3)



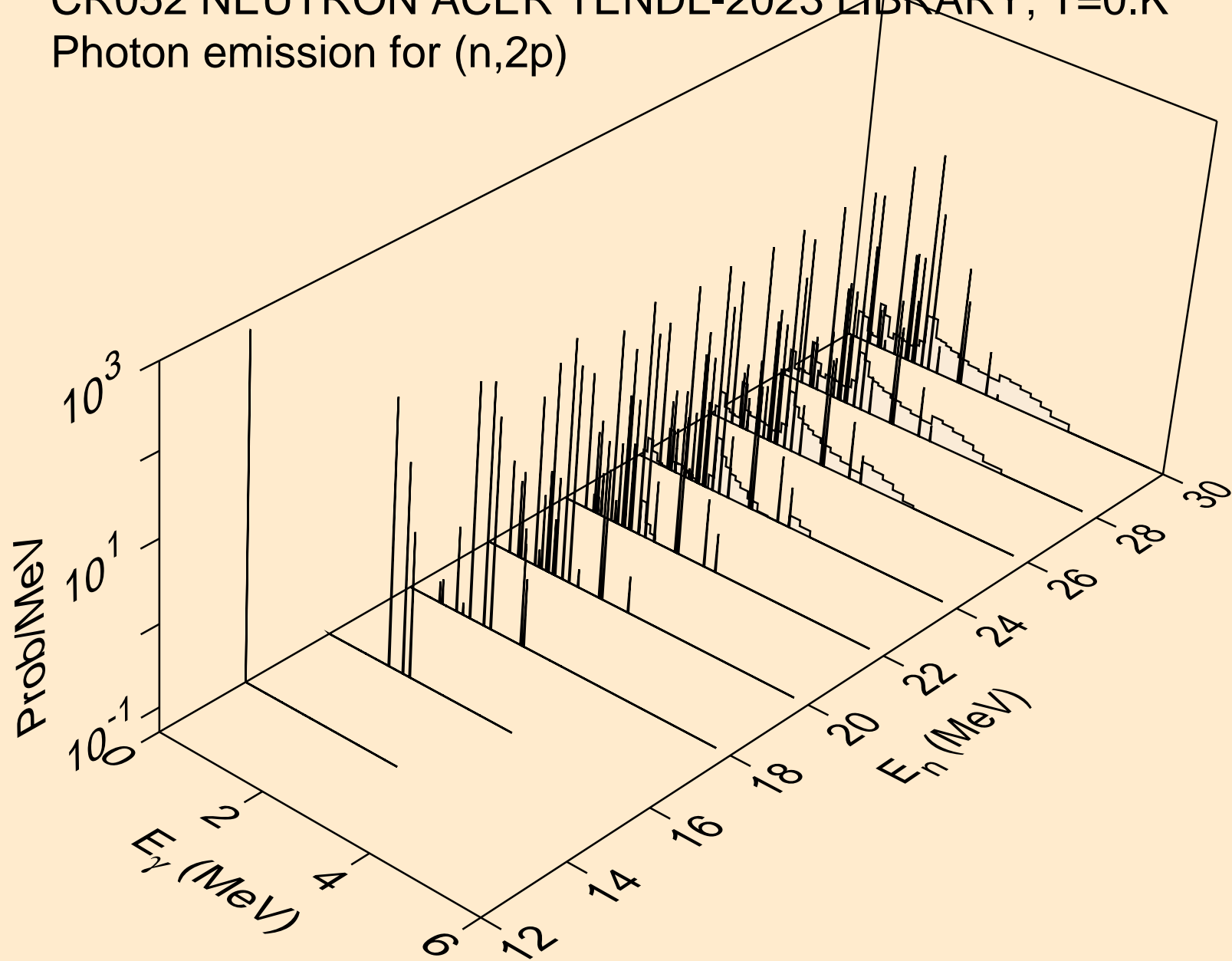
CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)

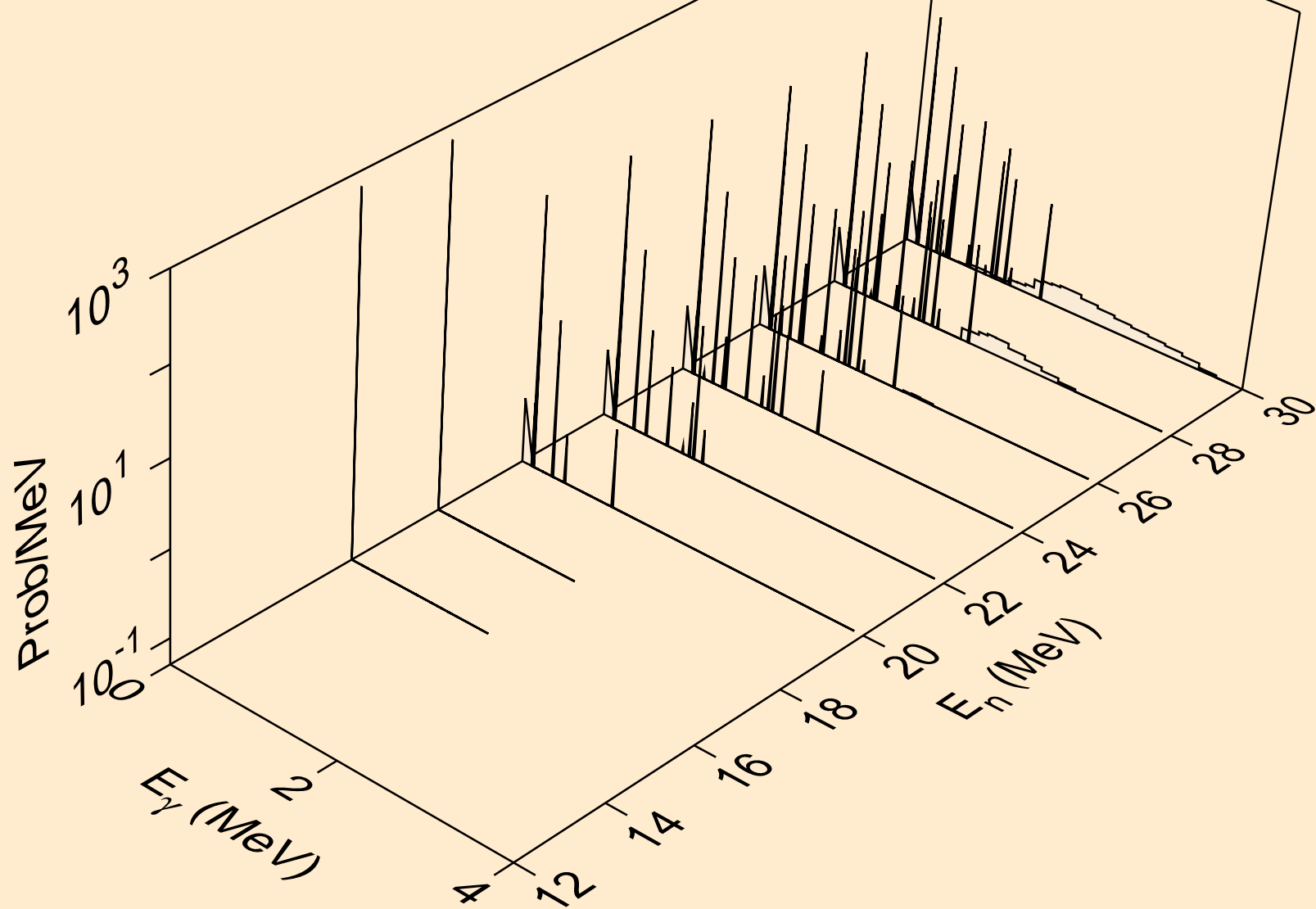


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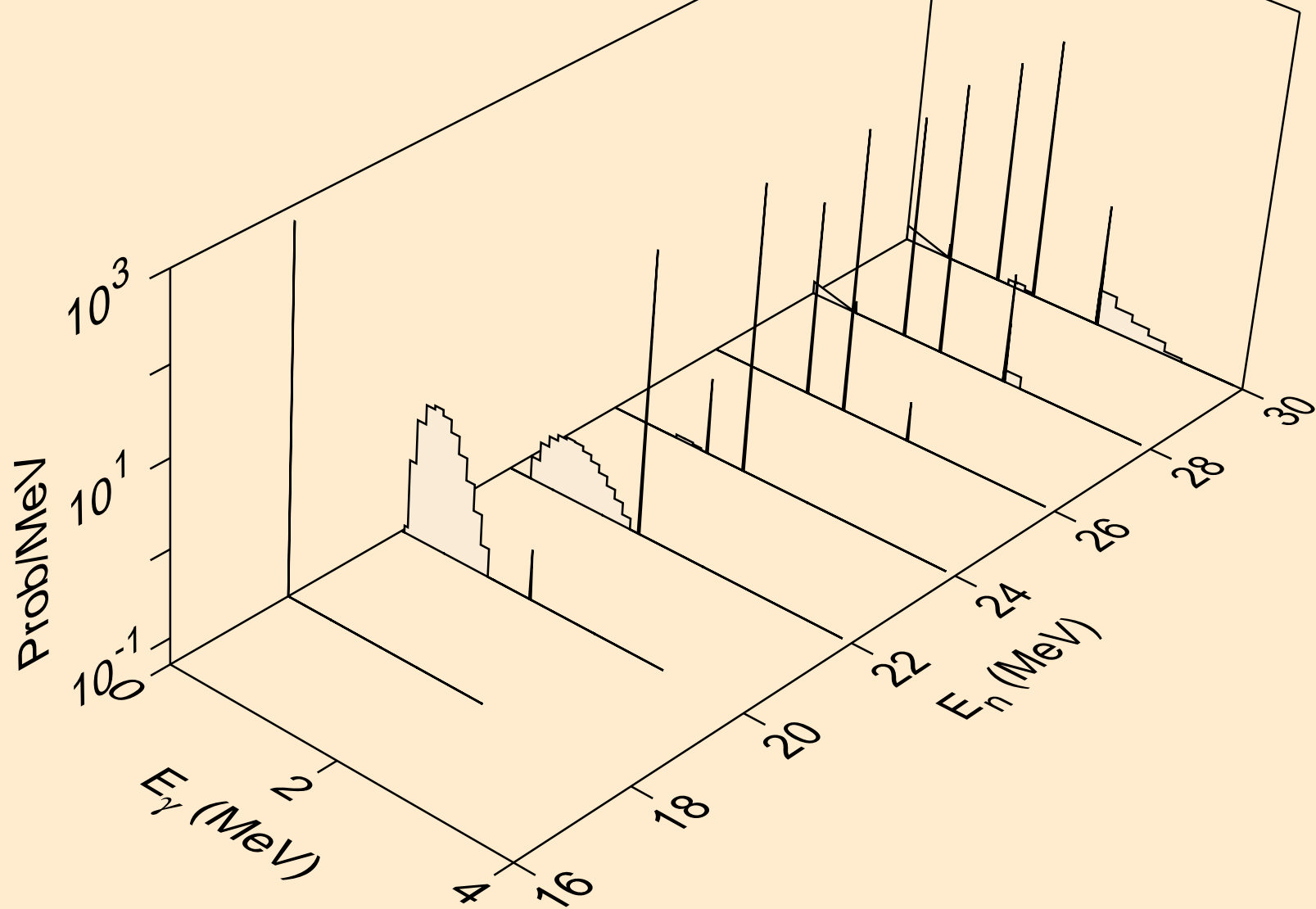




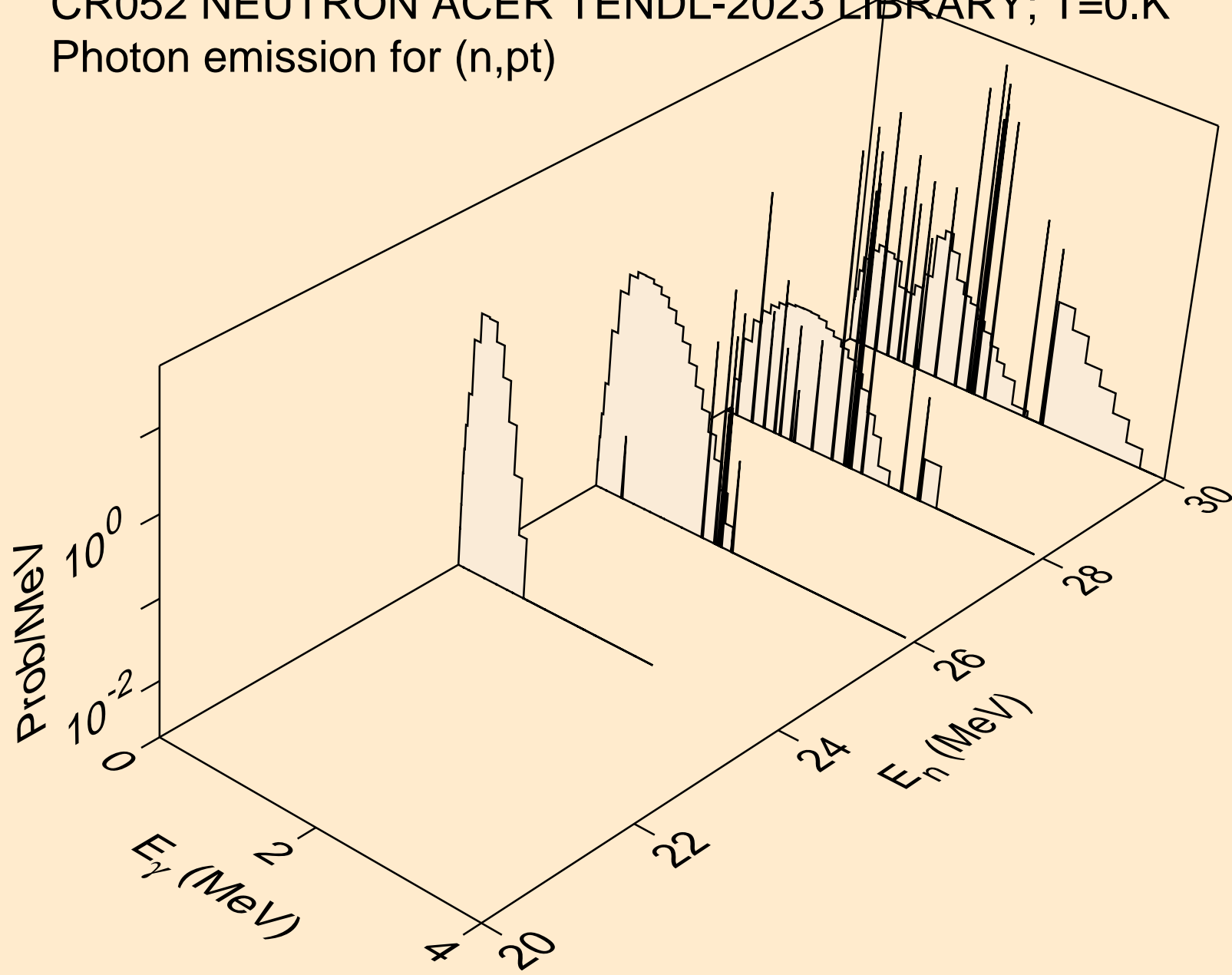
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Photon emission for (n,p $\alpha$ )



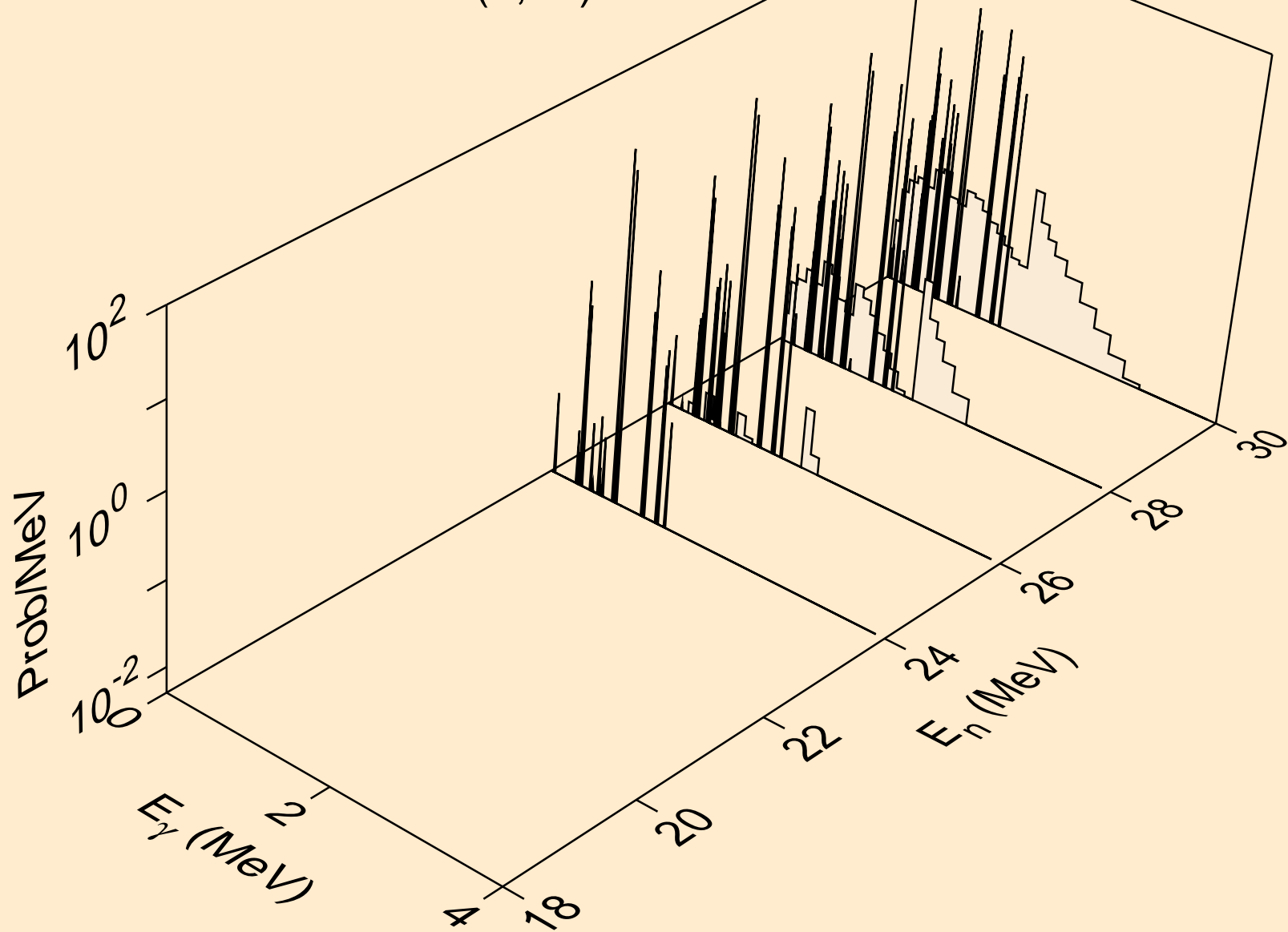
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Photon emission for (n,pd)



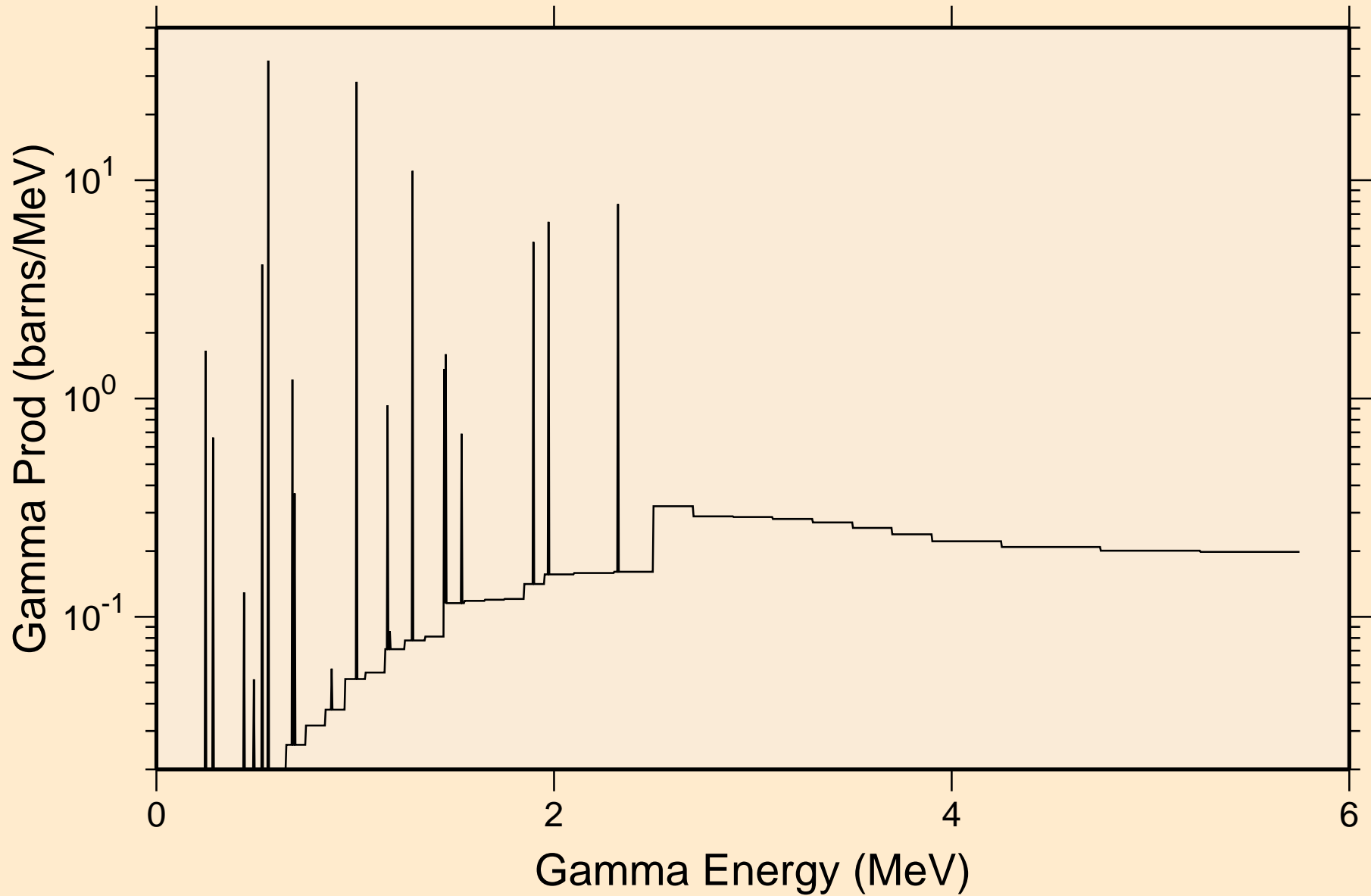
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Photon emission for (n,pt)



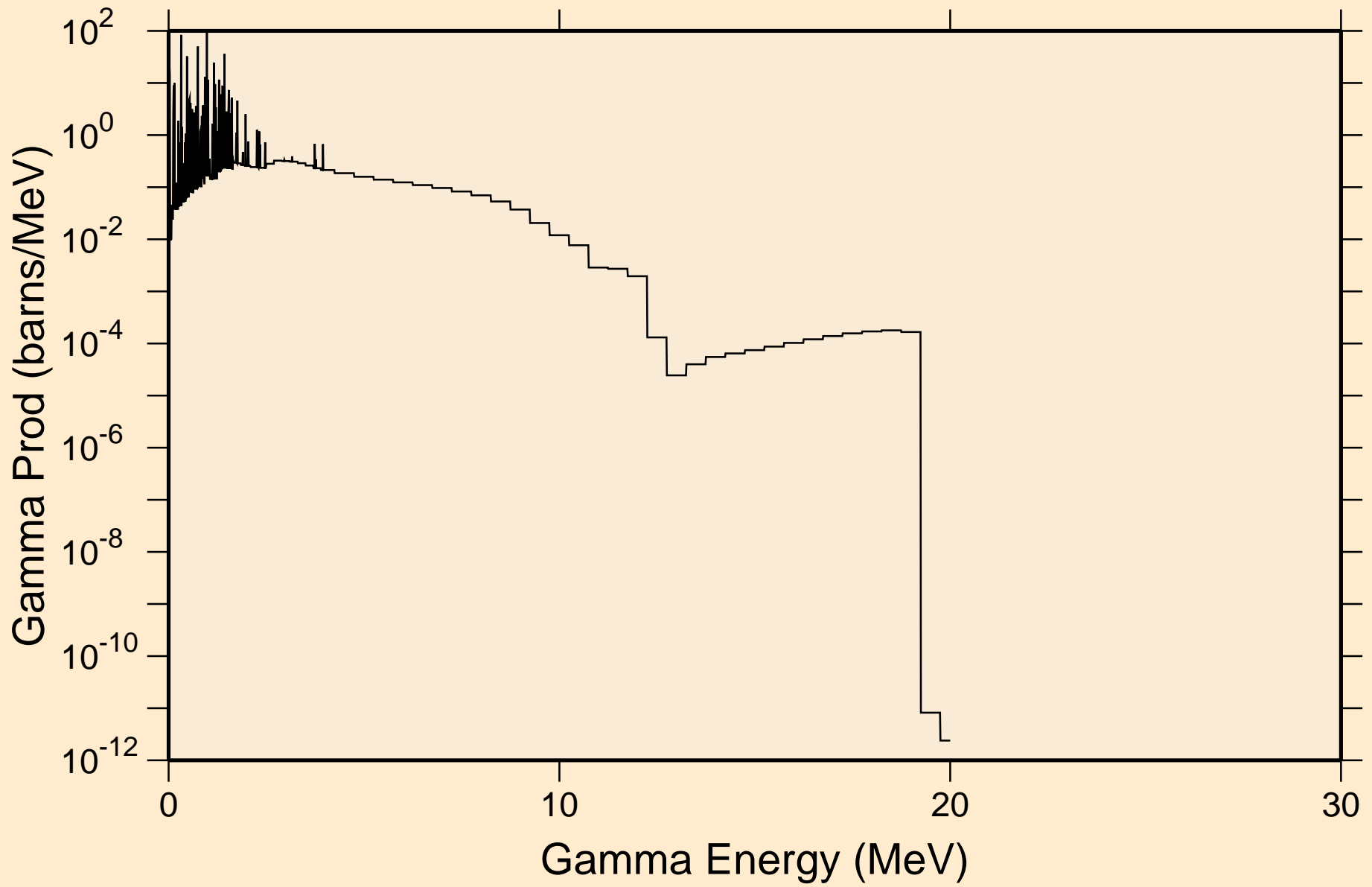
CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

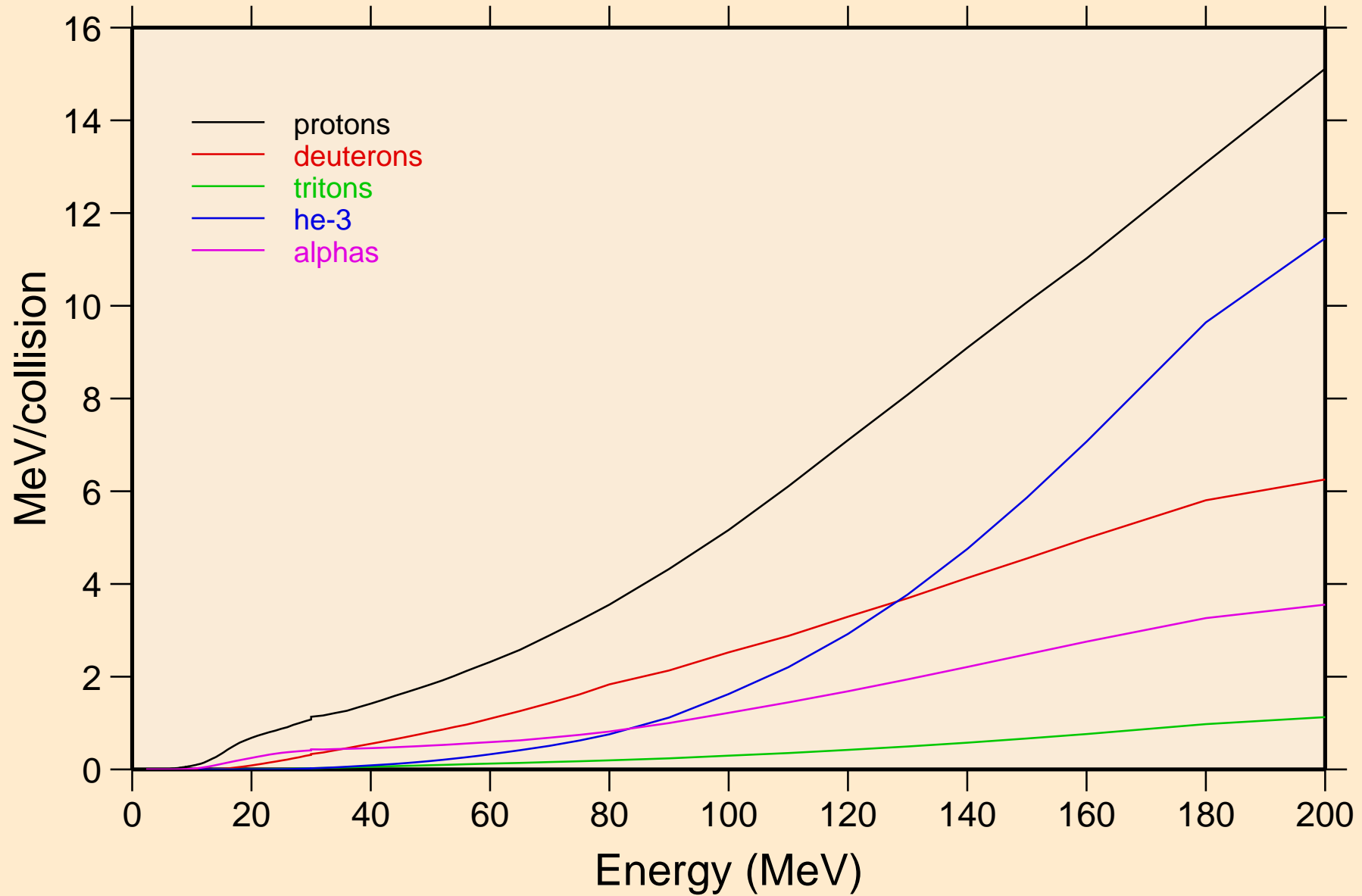


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14 MeV photon spectrum

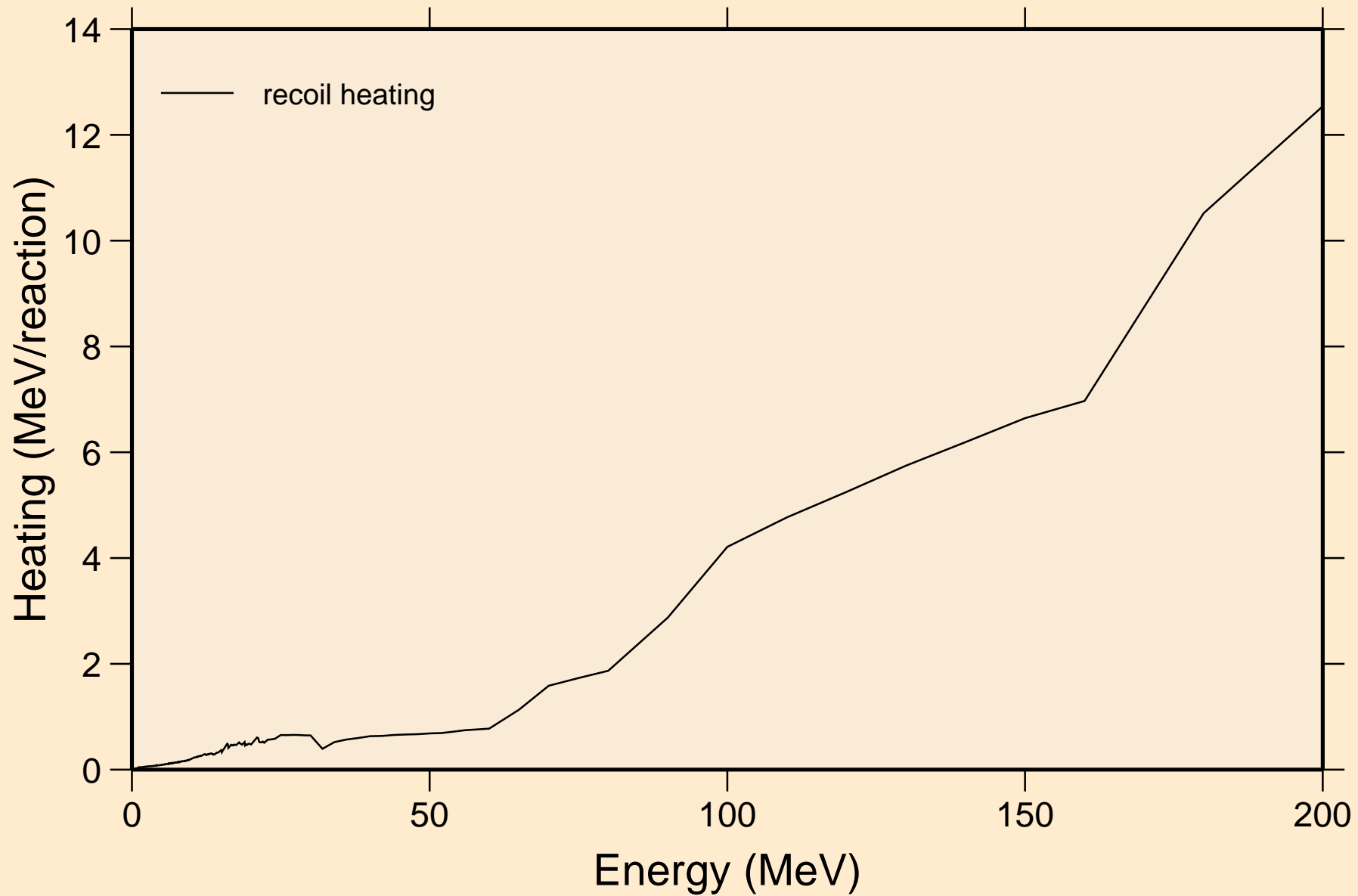


# CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

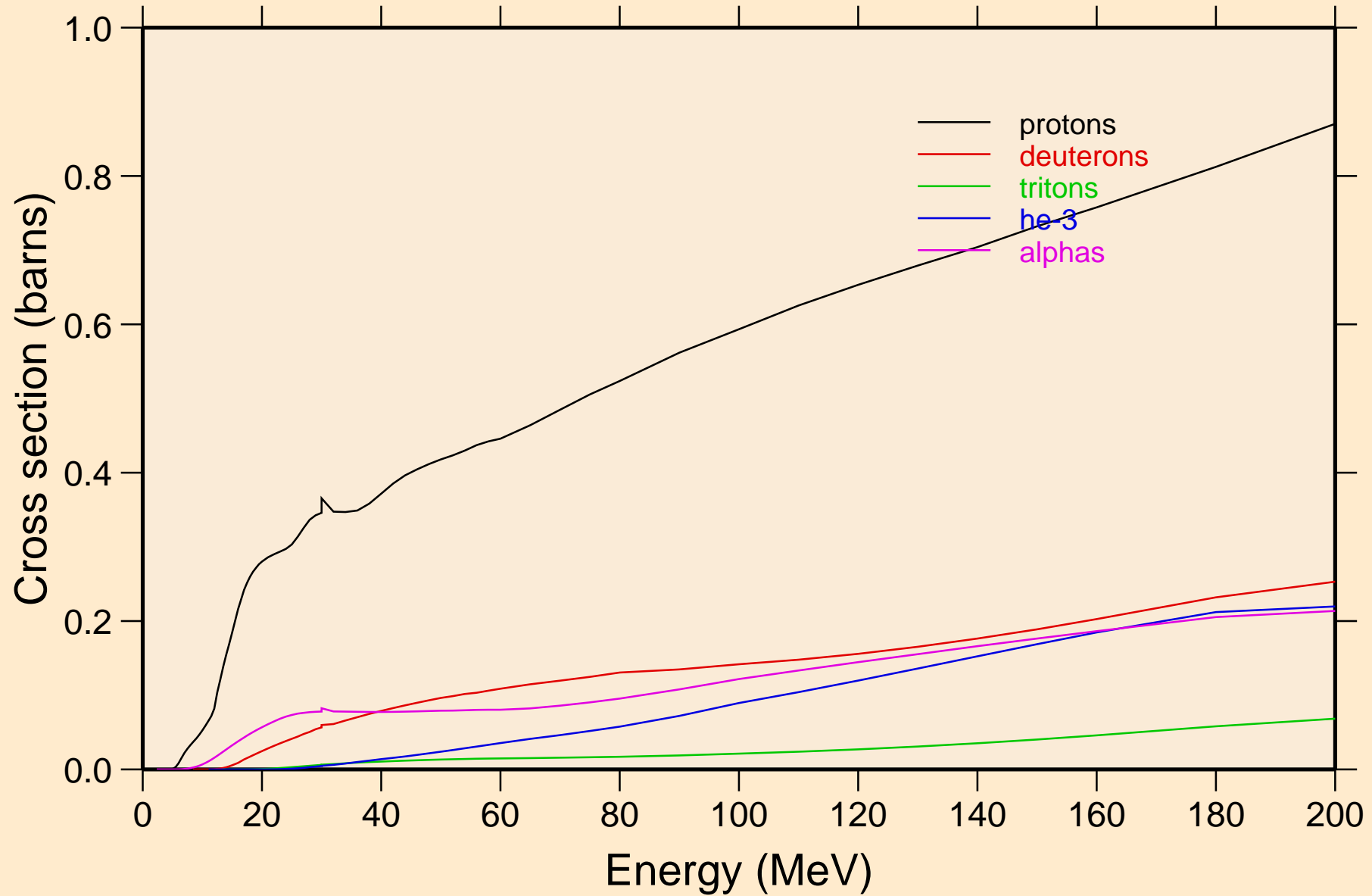


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Recoil Heating

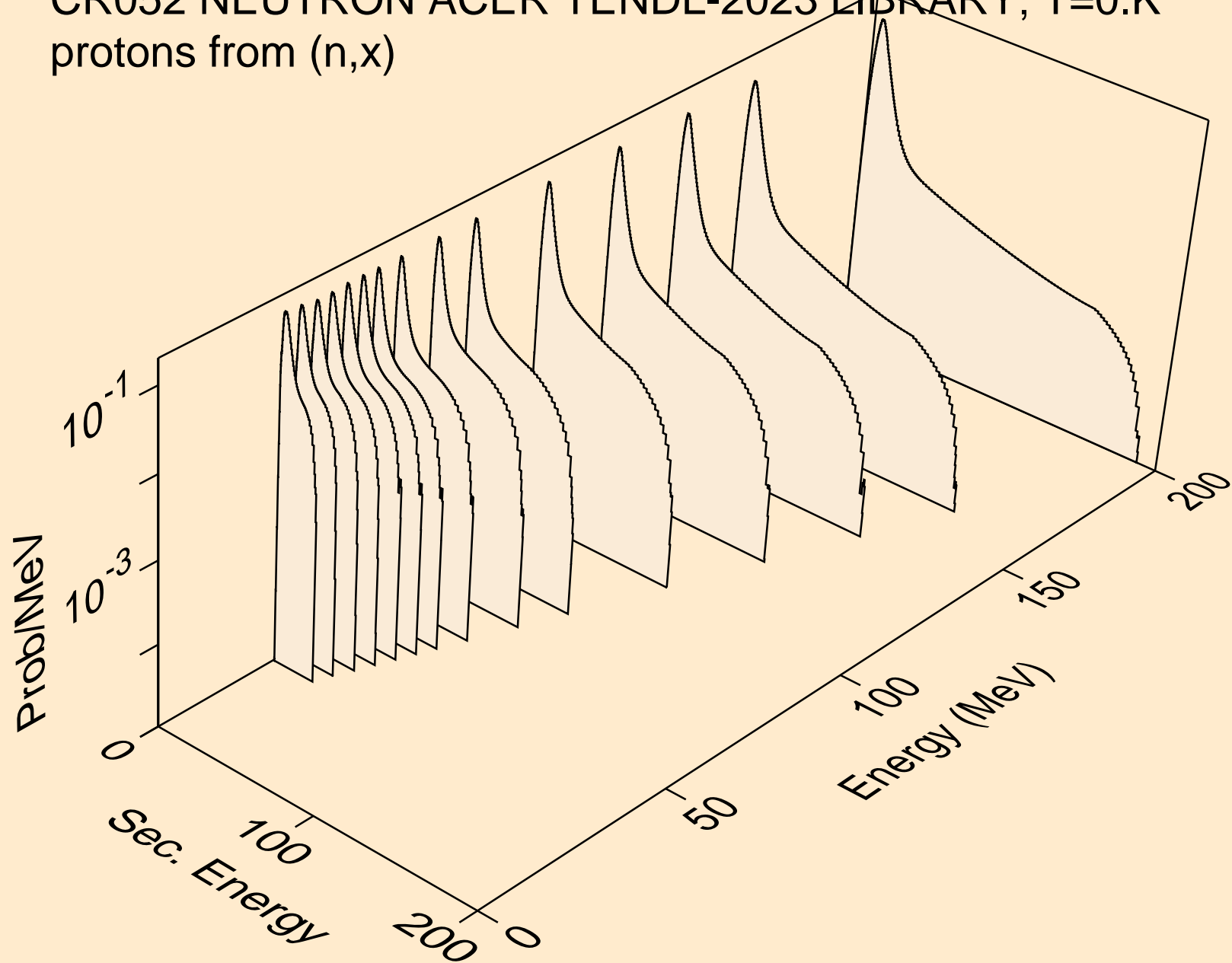




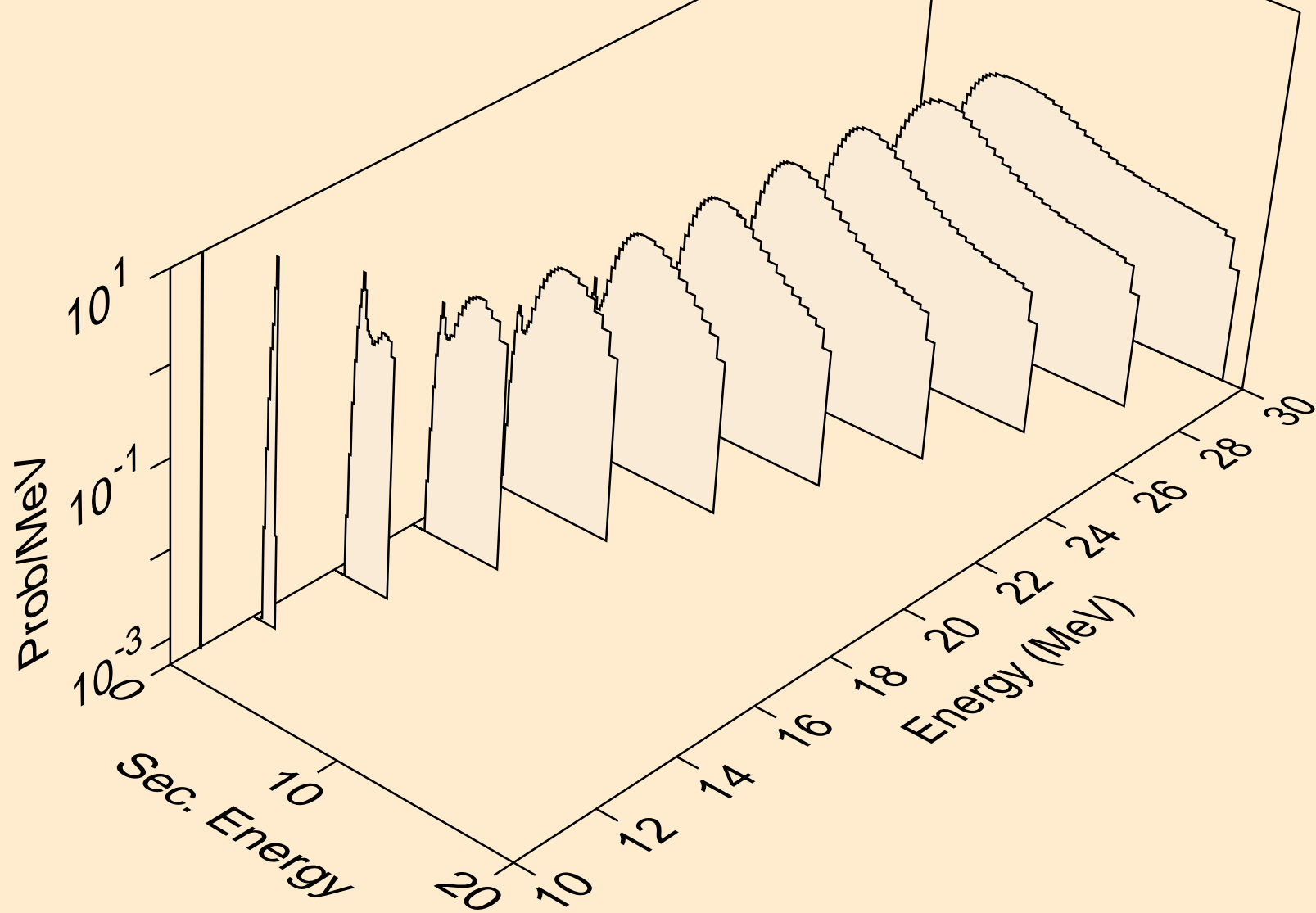
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Particle production cross sections



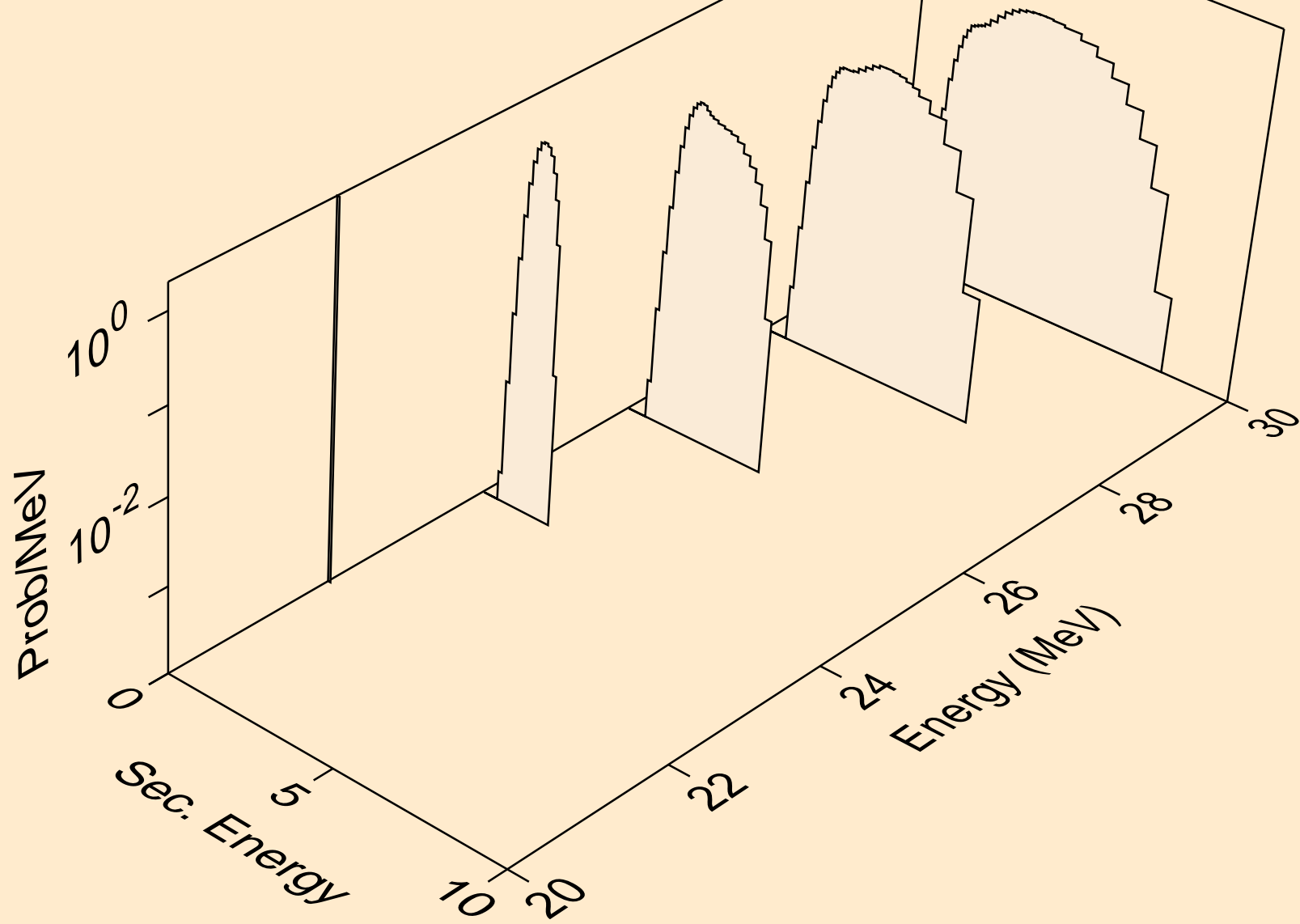
CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



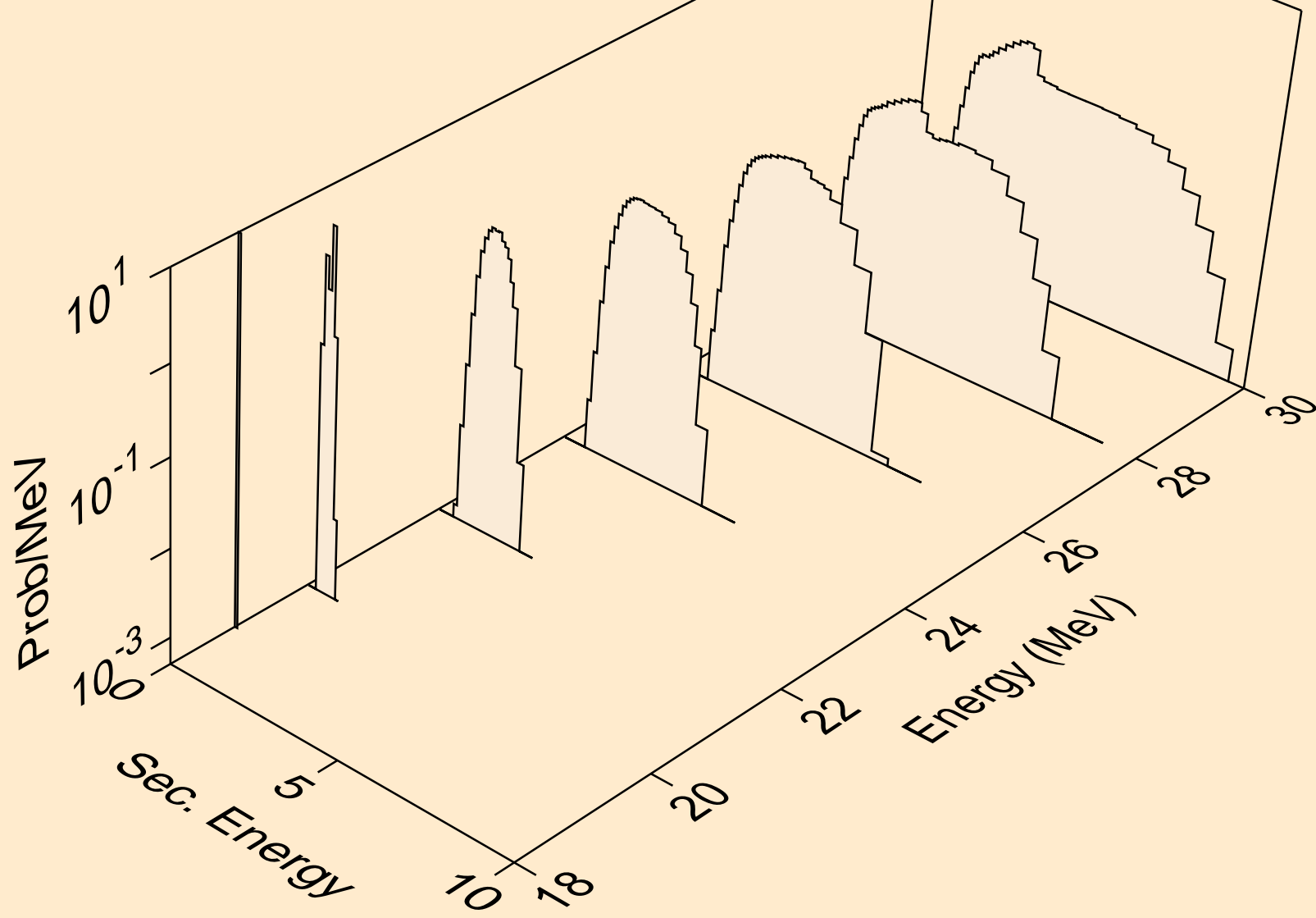
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protons from (n,n\*)p



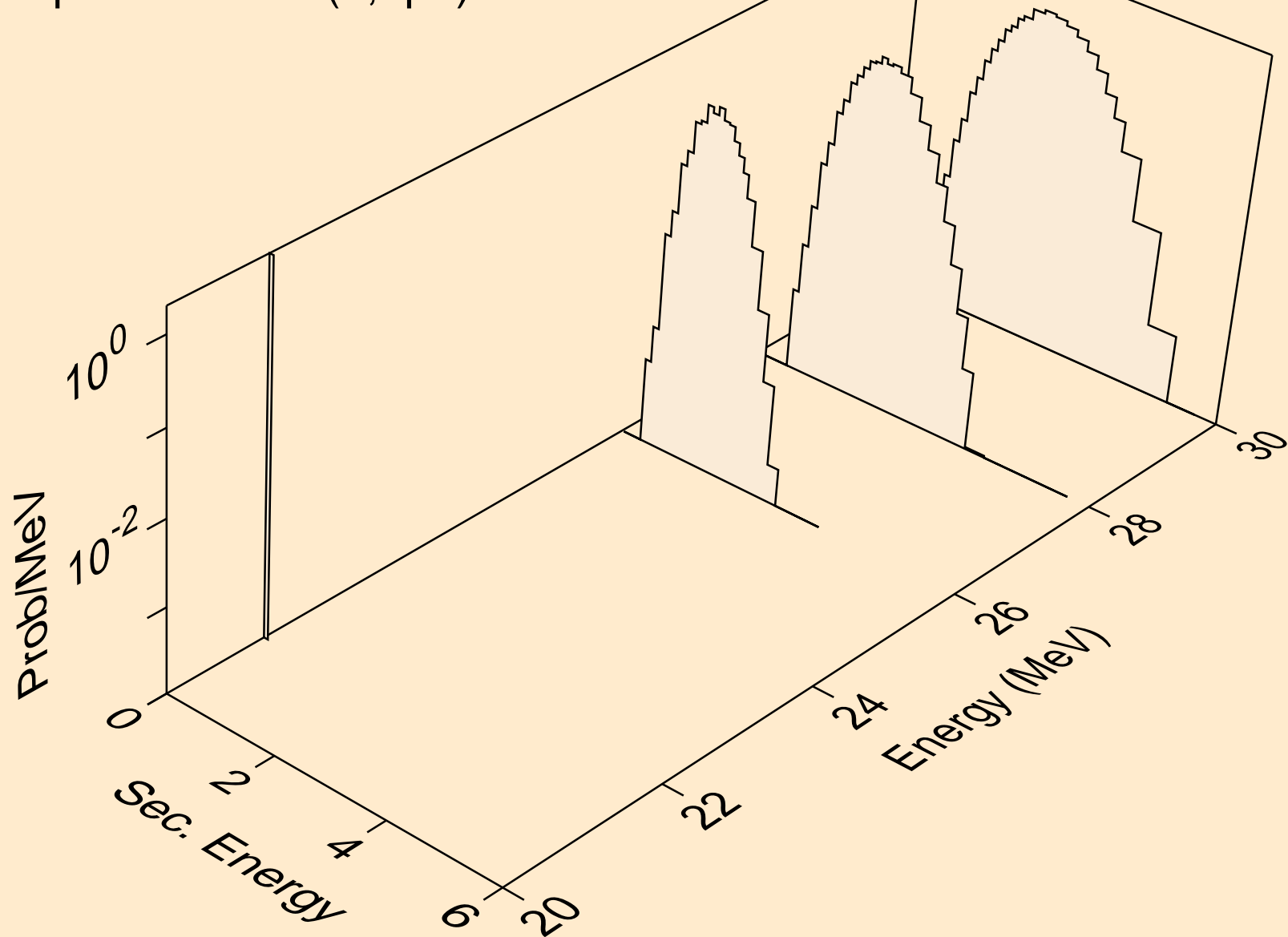
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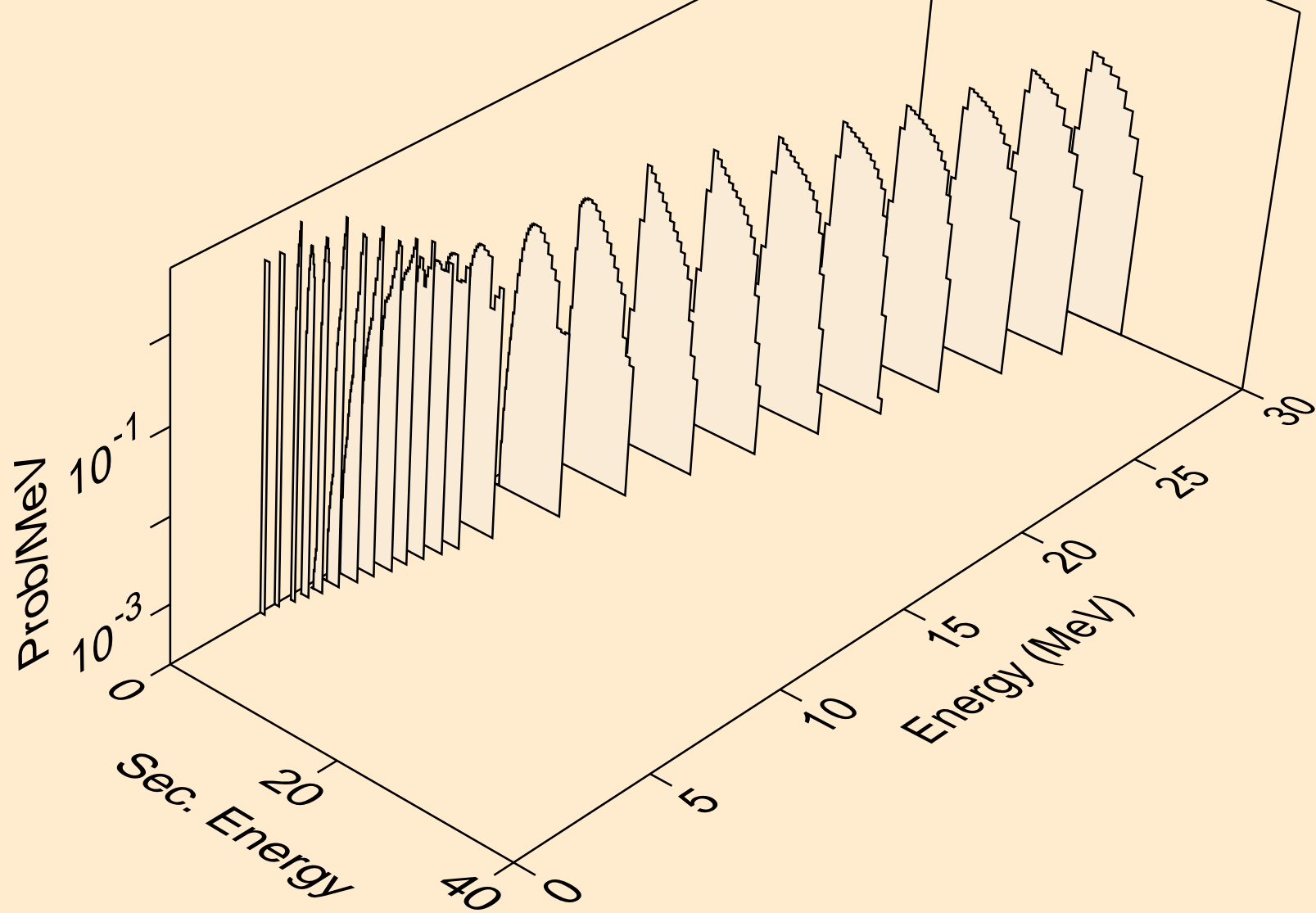
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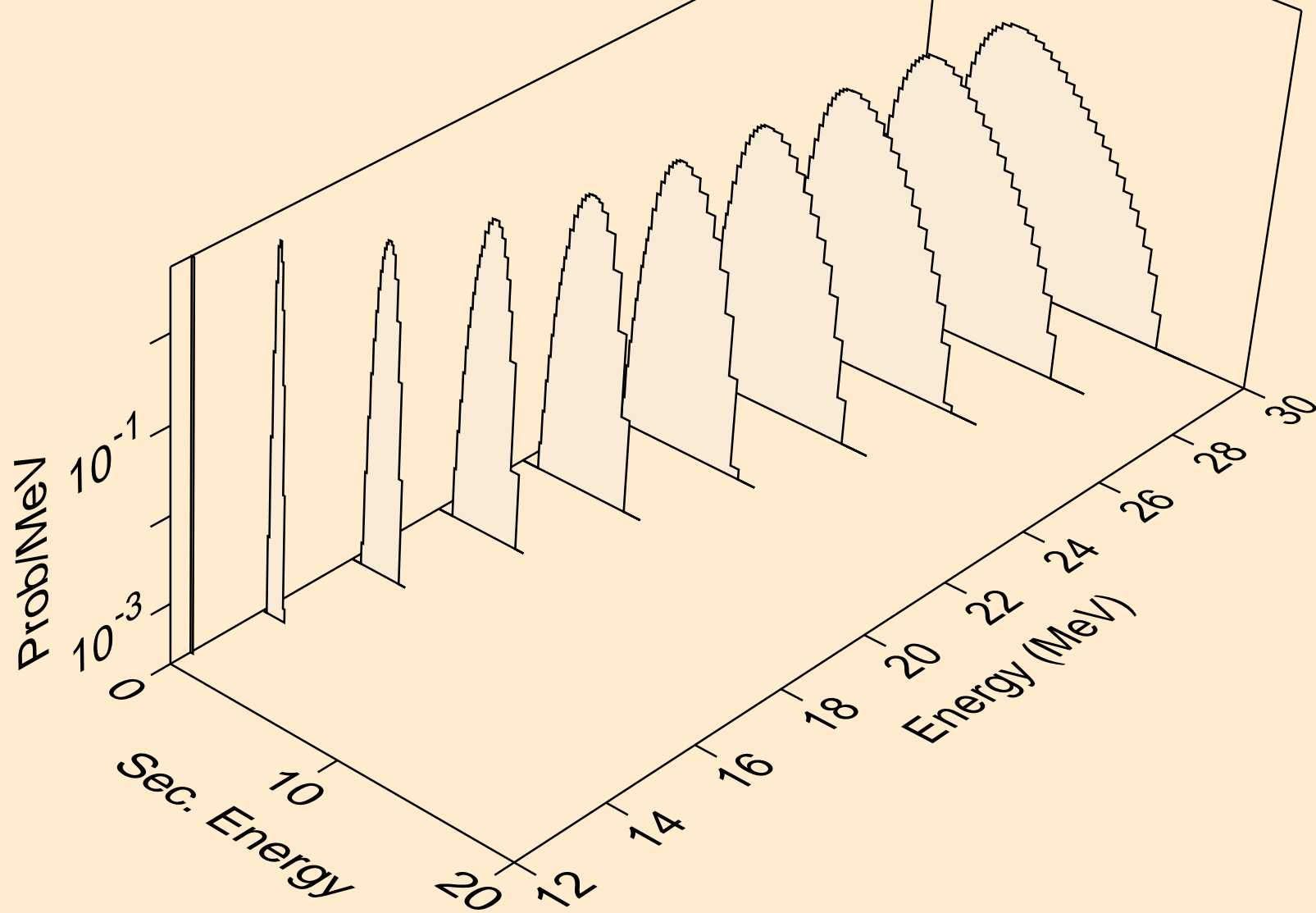
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protons from (n,npa)



CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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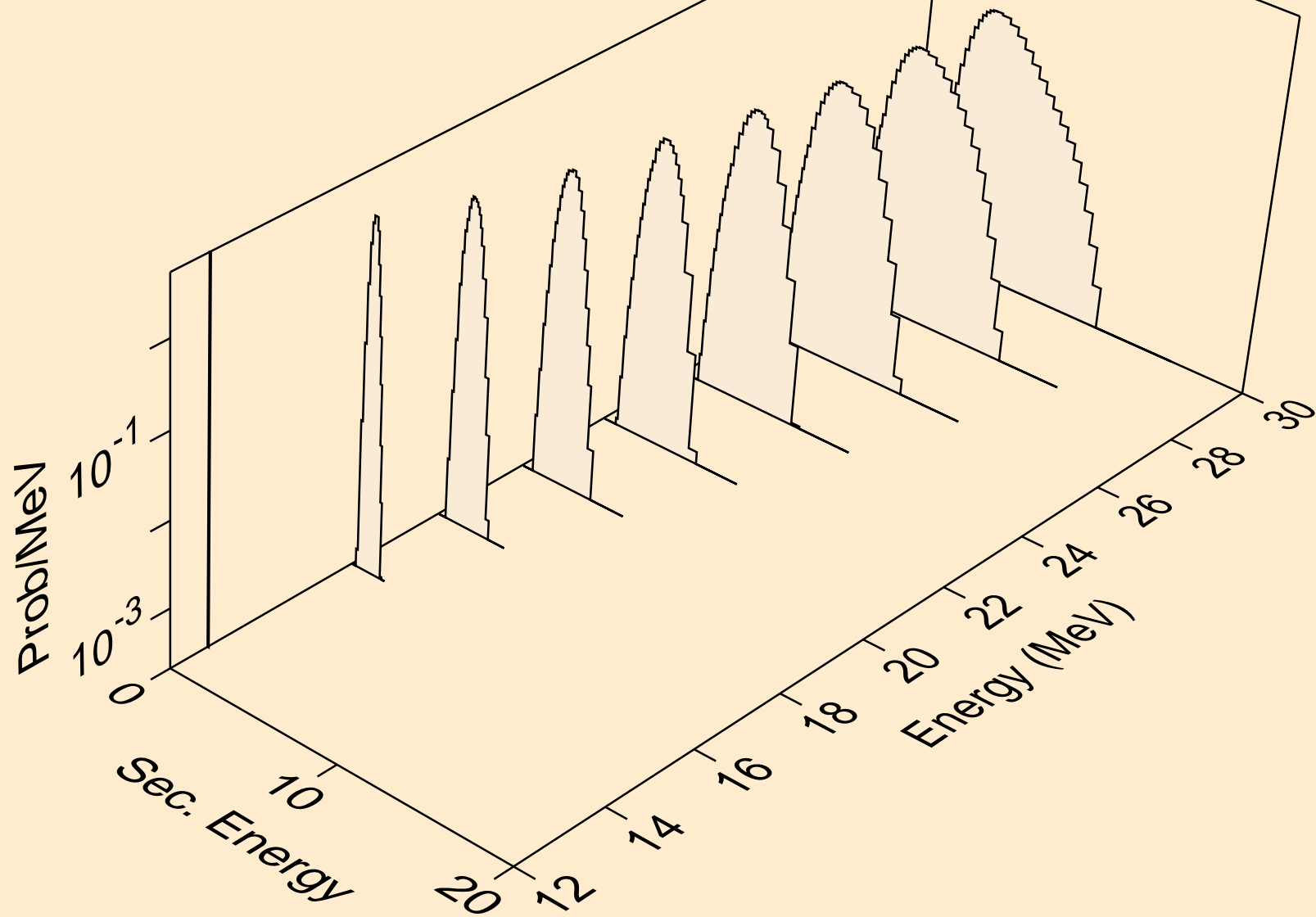


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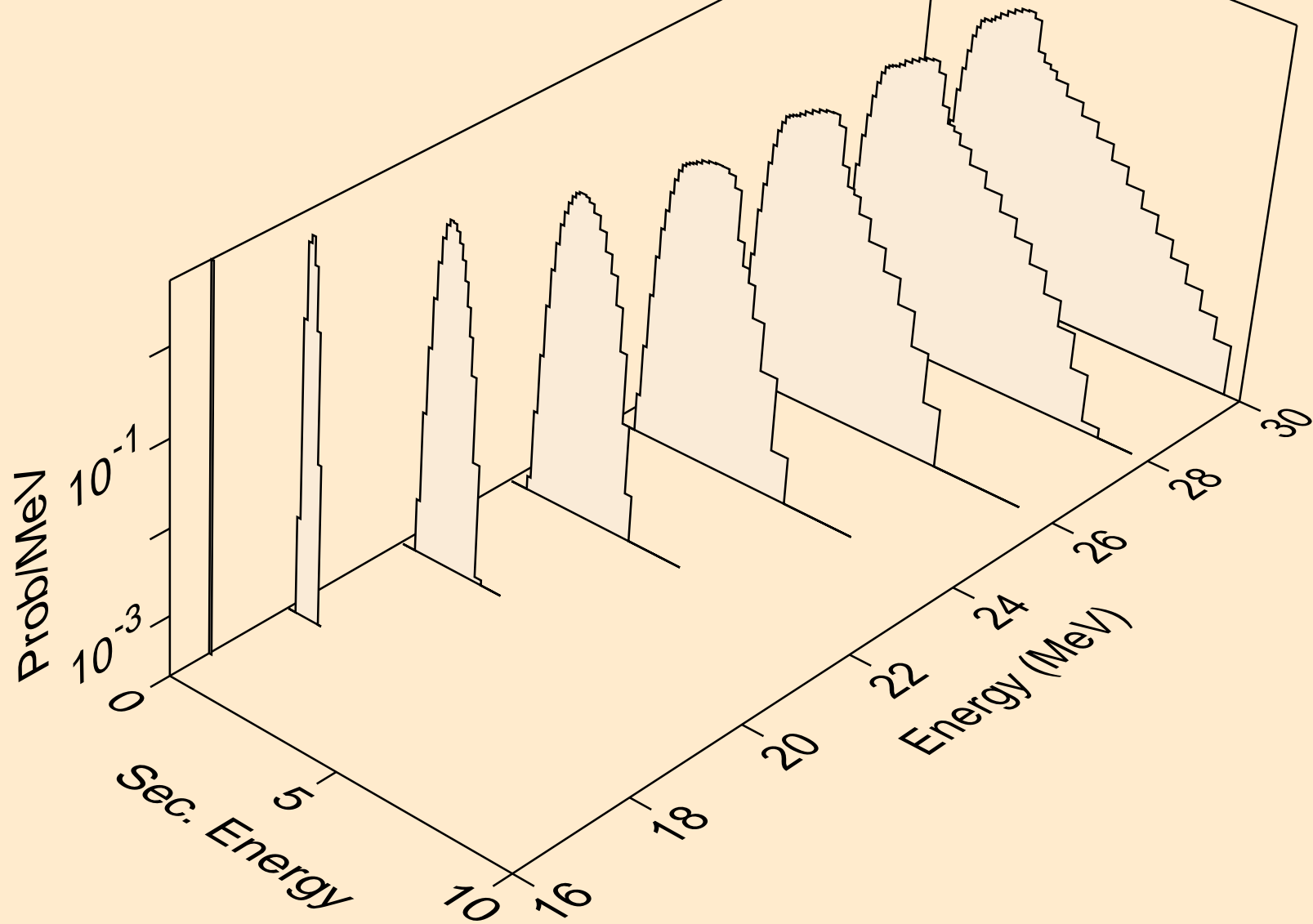




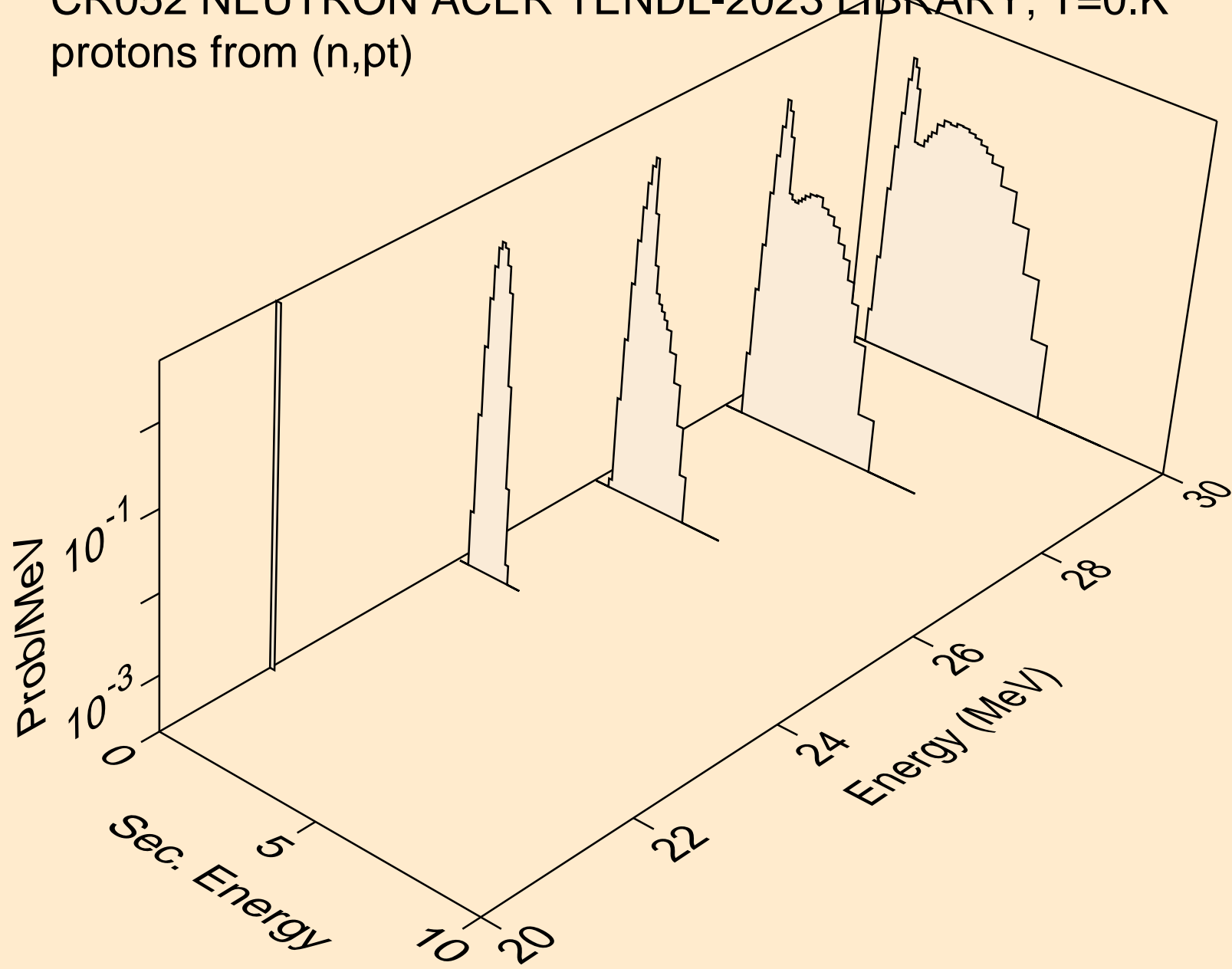
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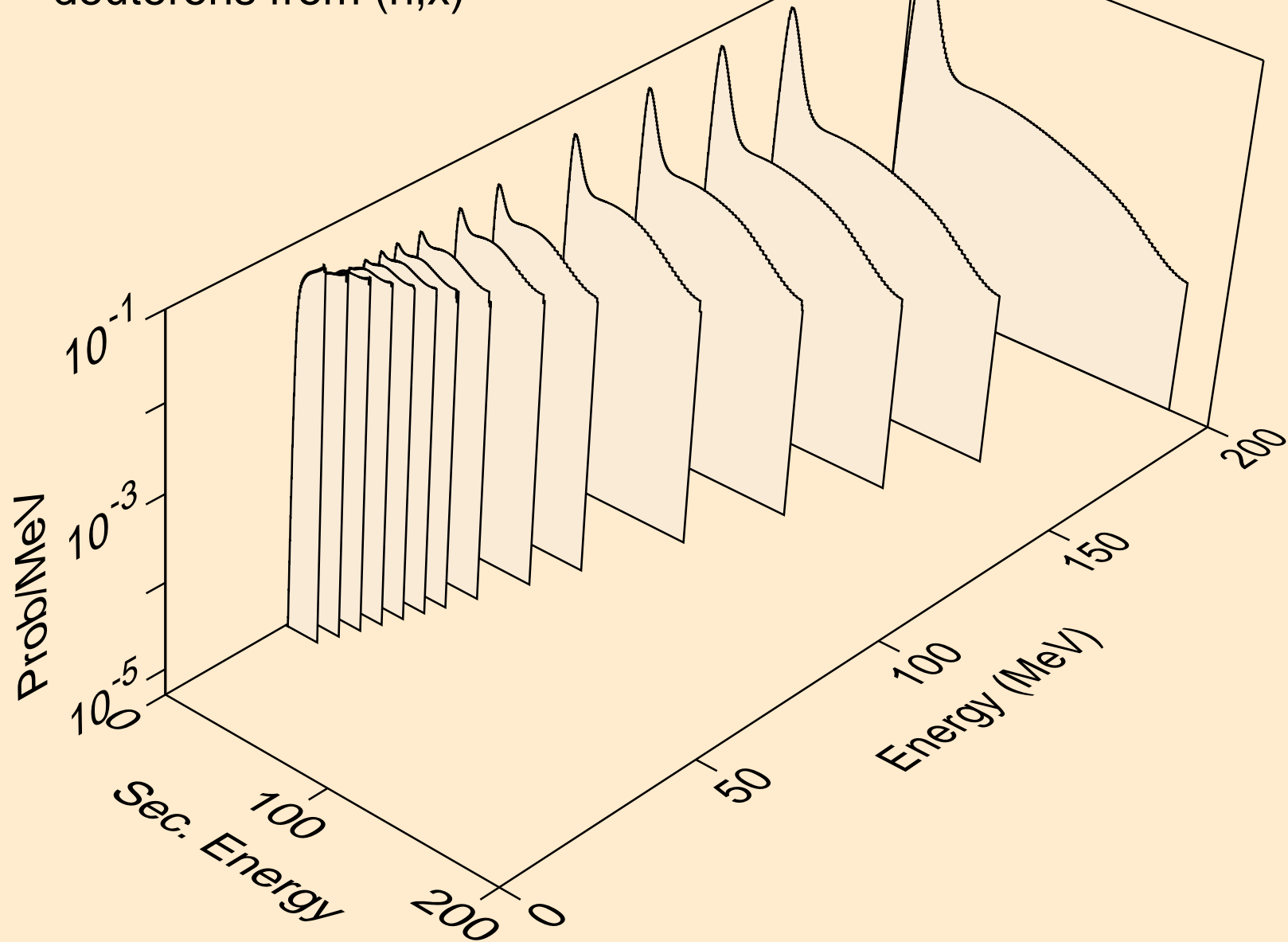
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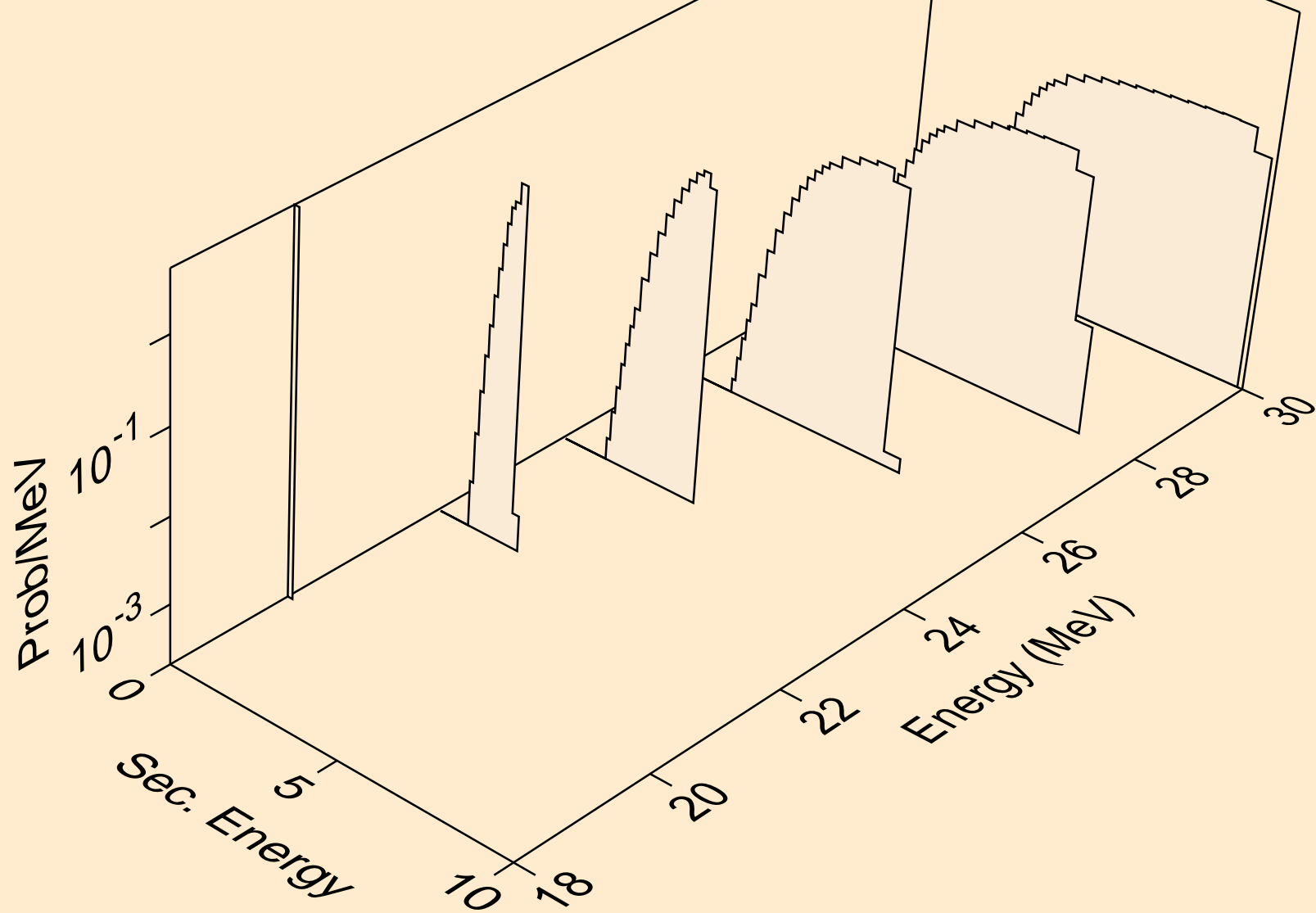
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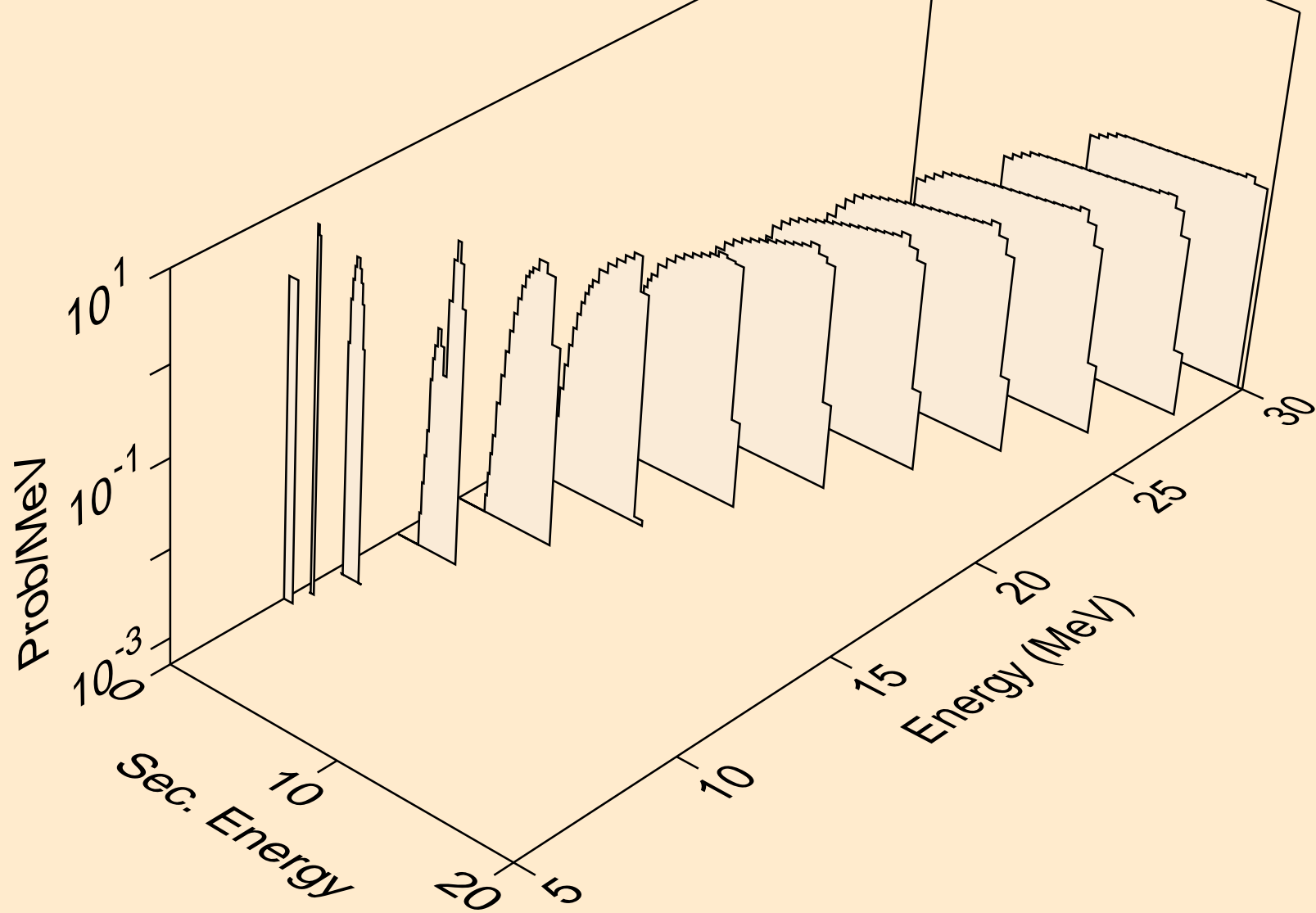
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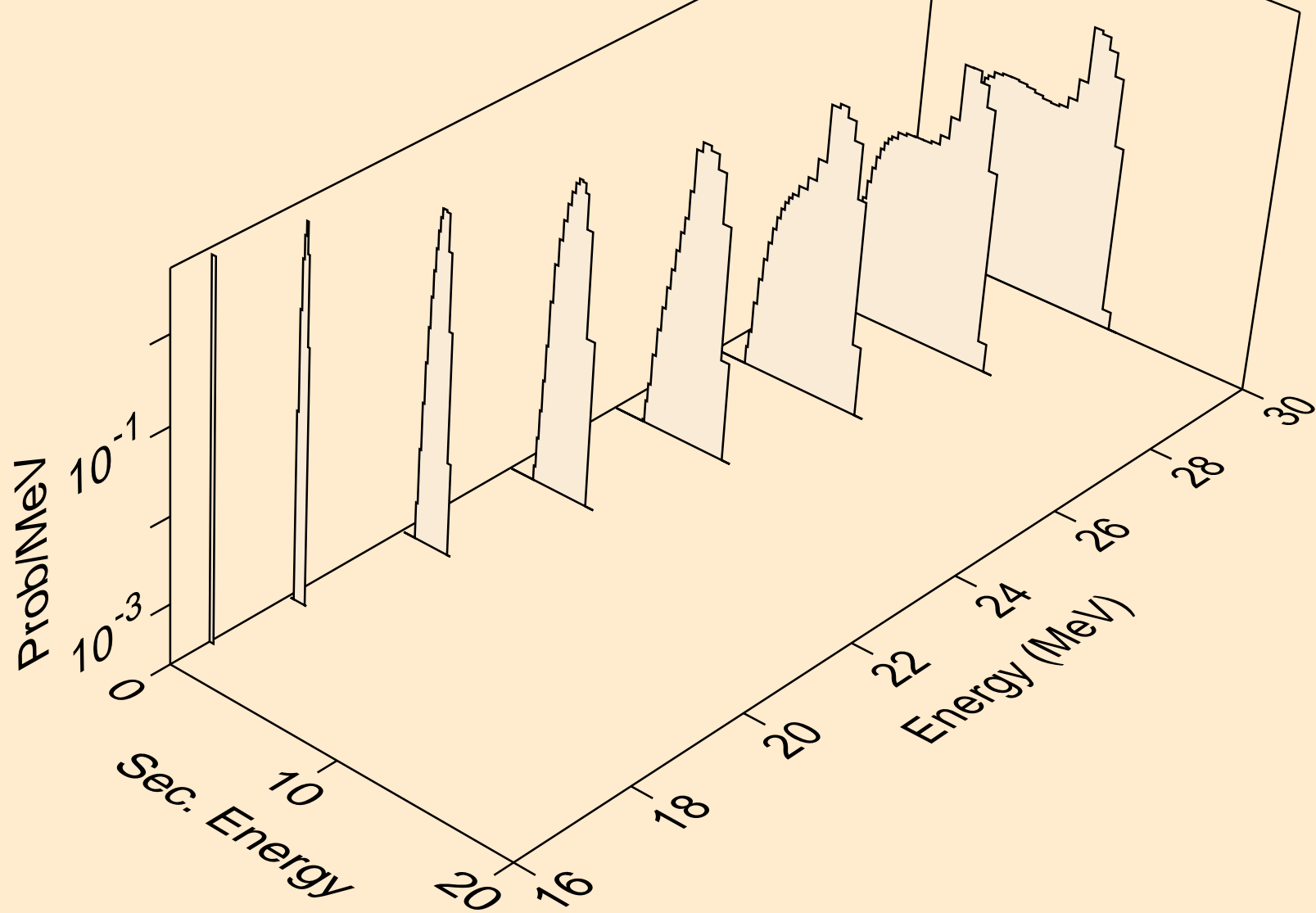
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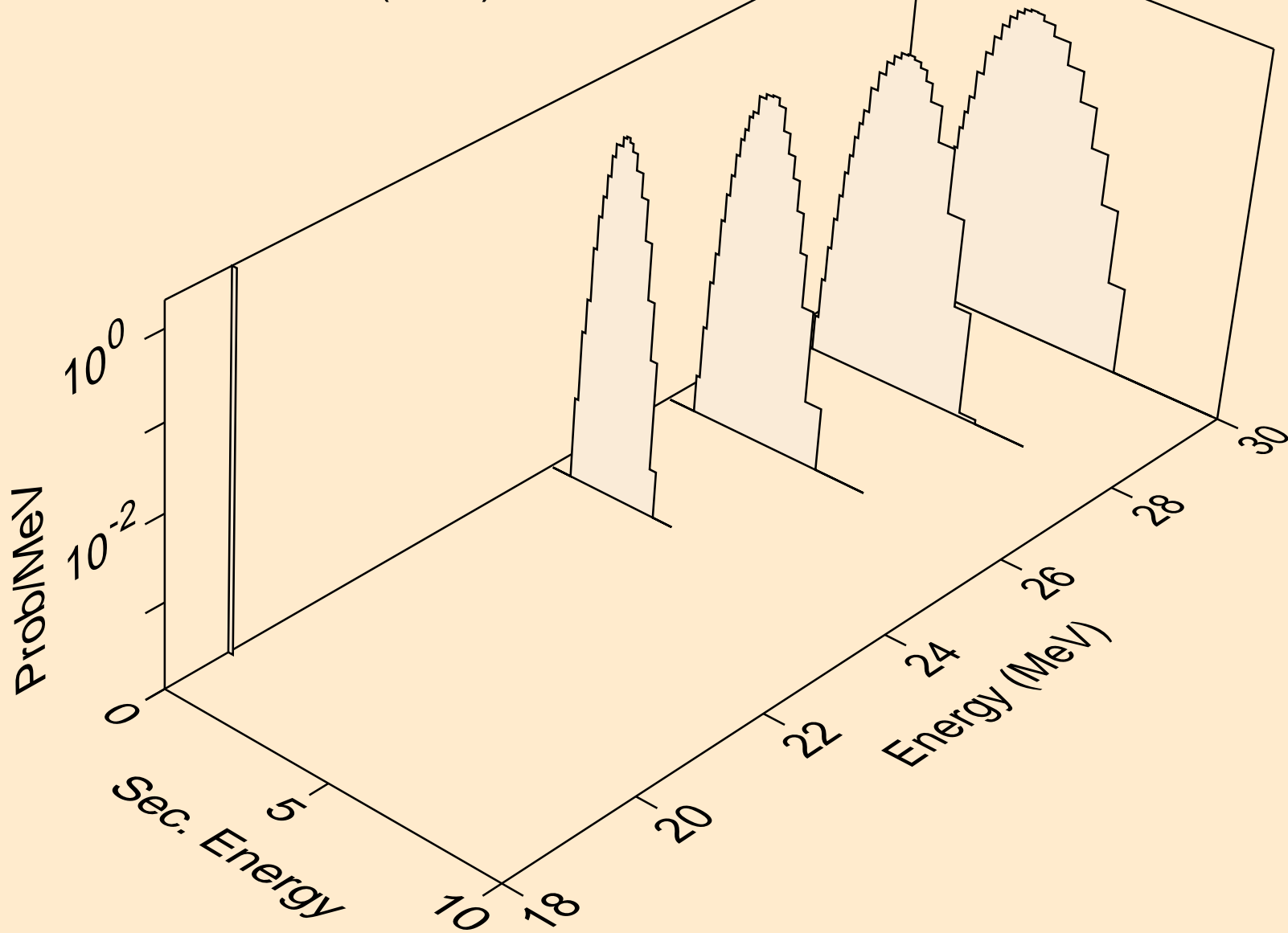
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CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,pd)

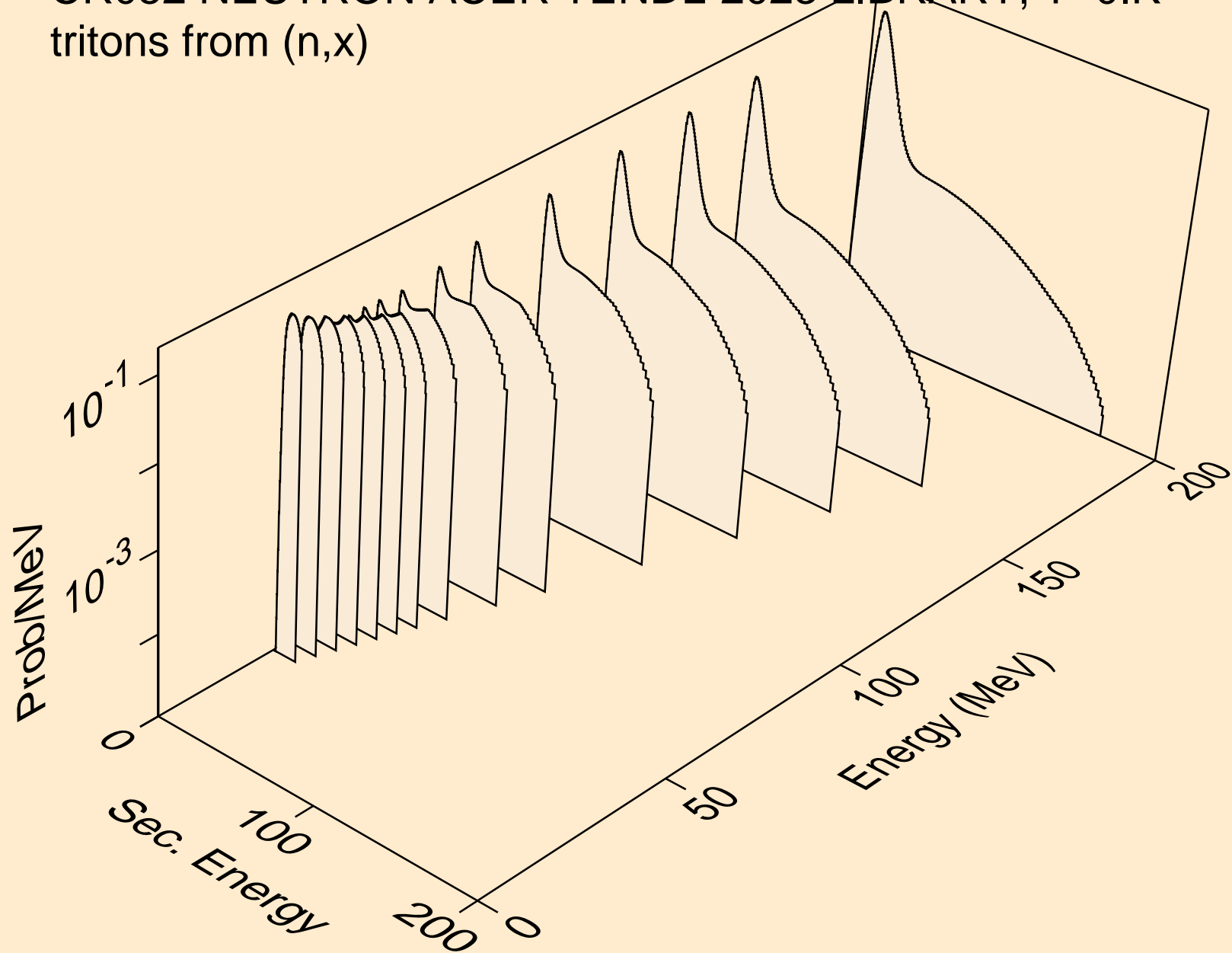


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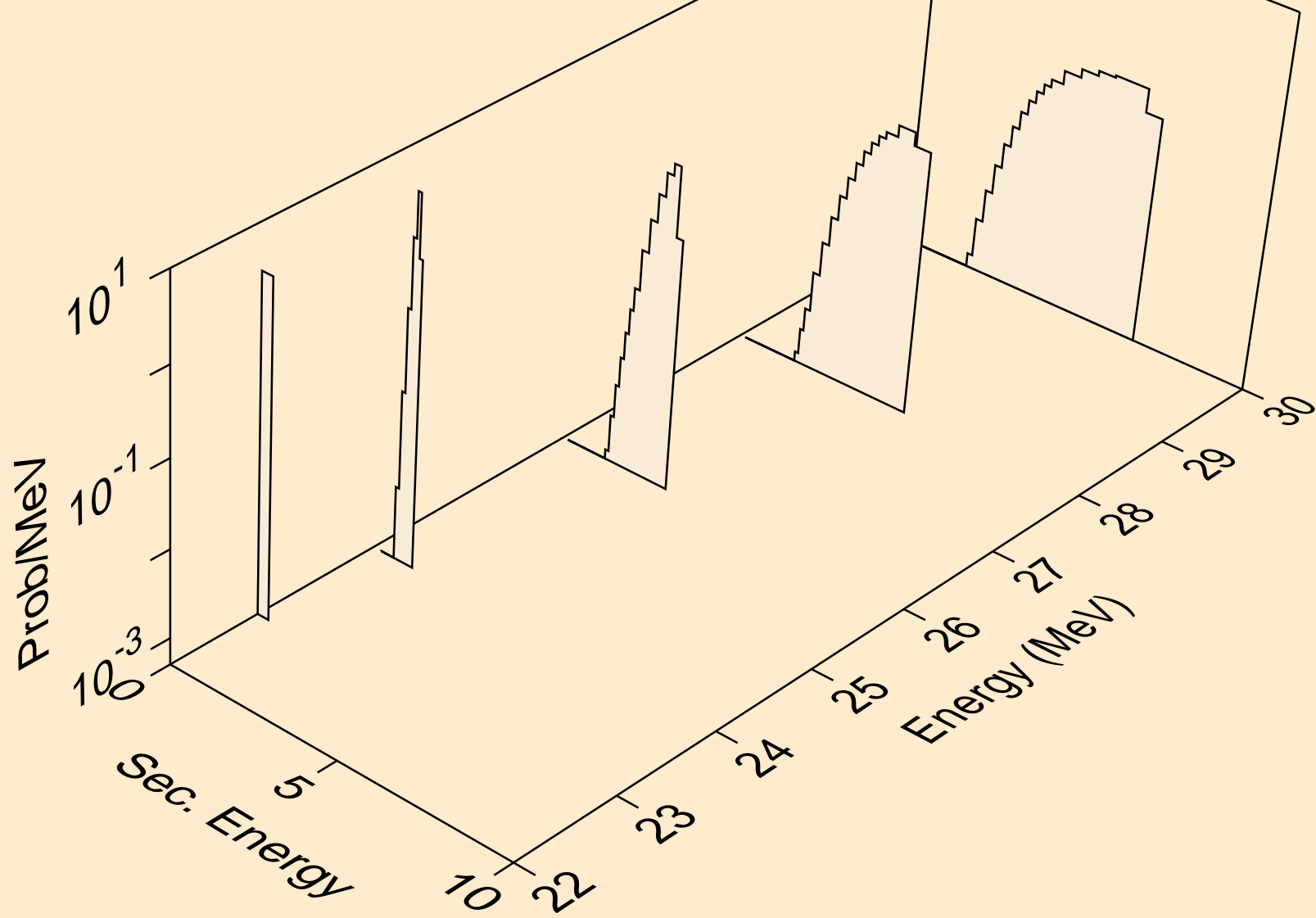




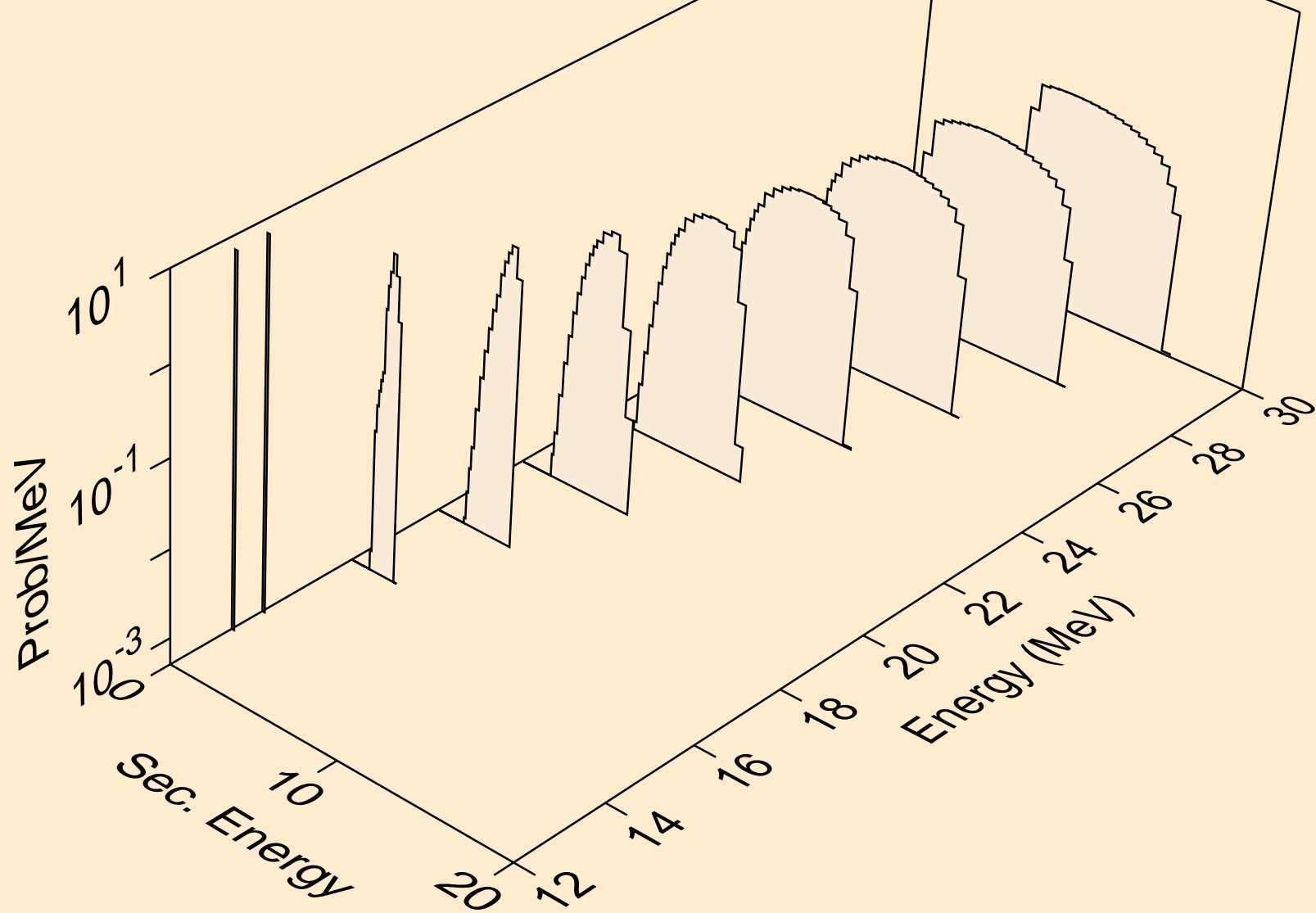
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tritons from (n,x)



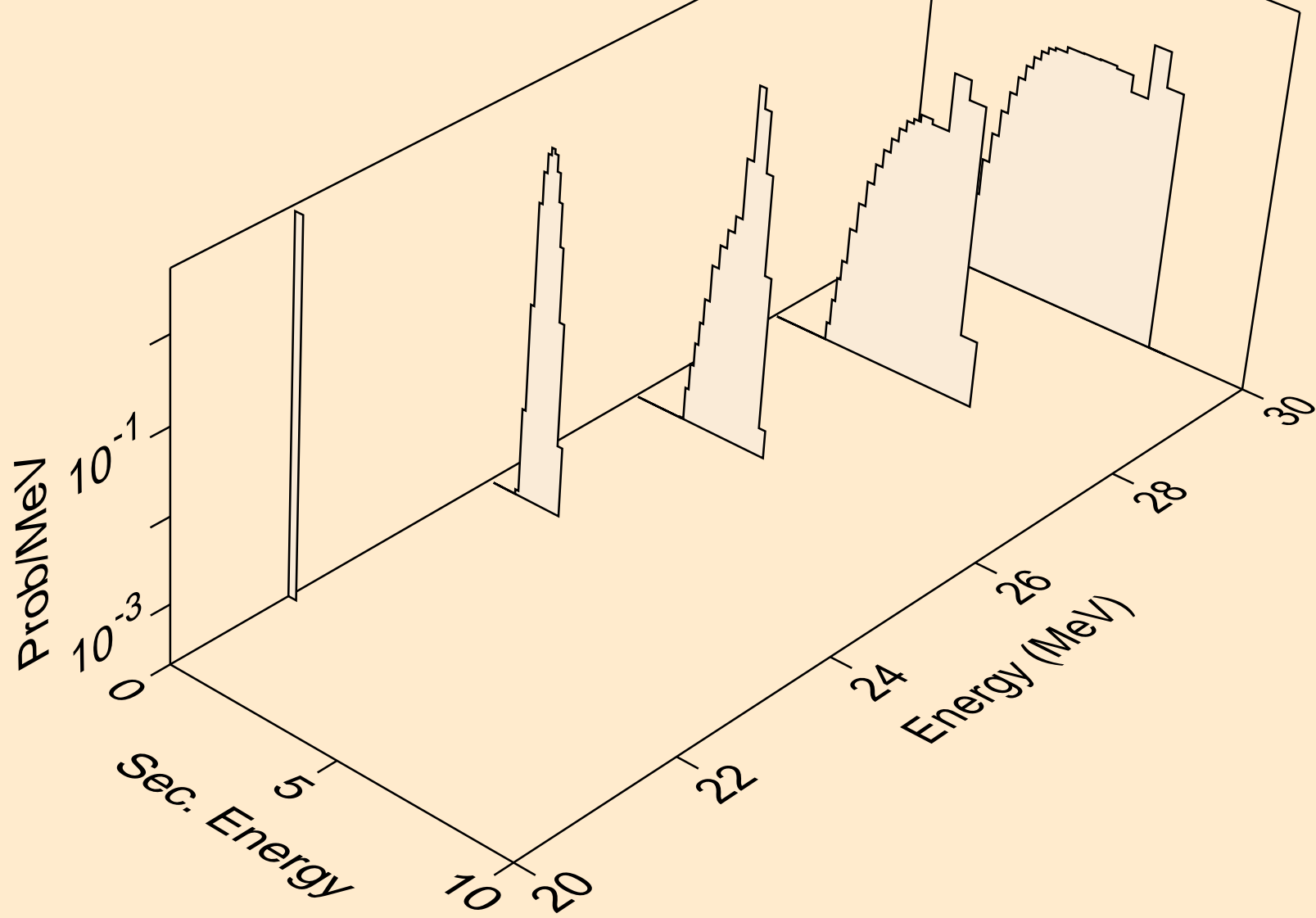
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tritons from (n,n\*)t



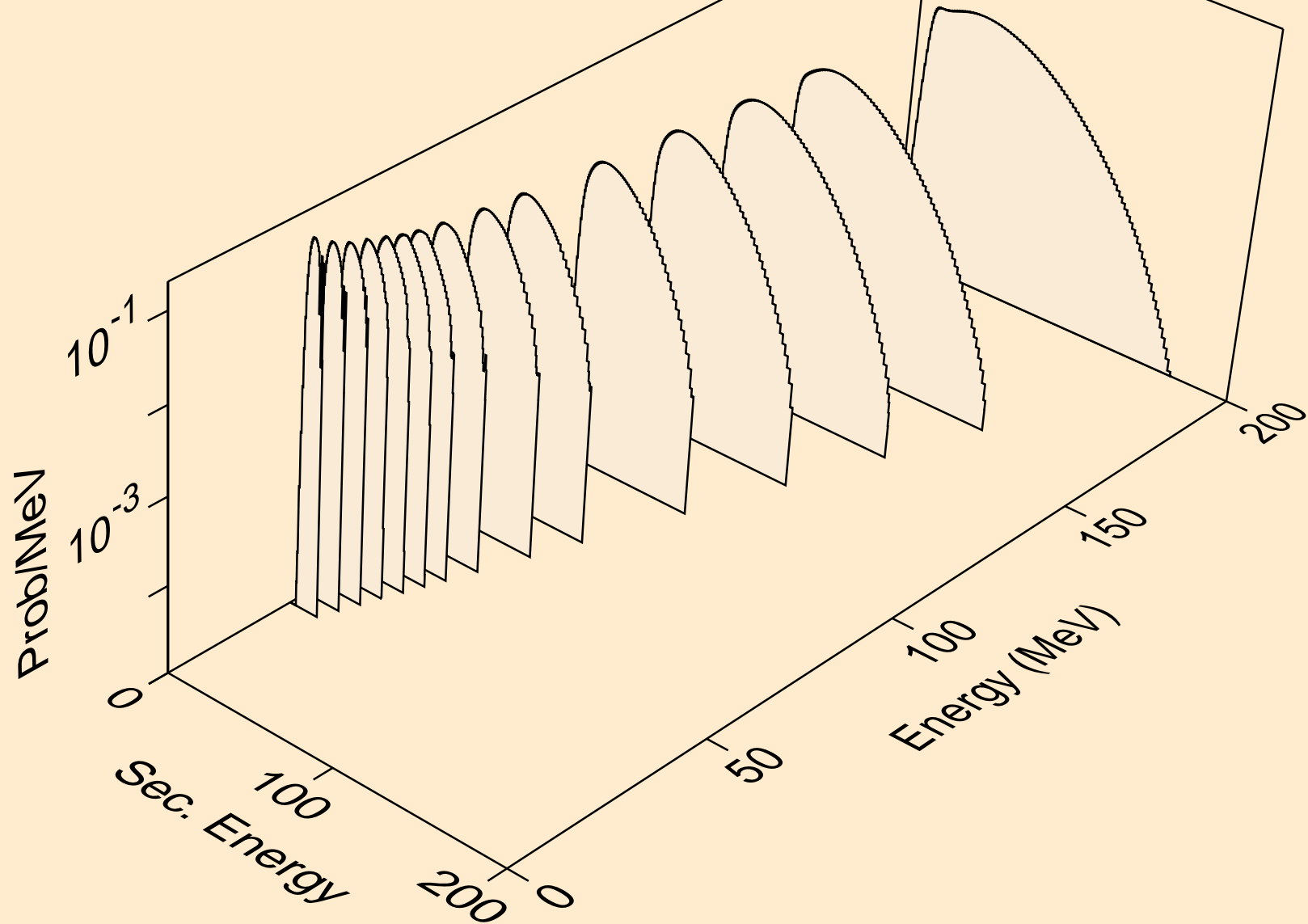
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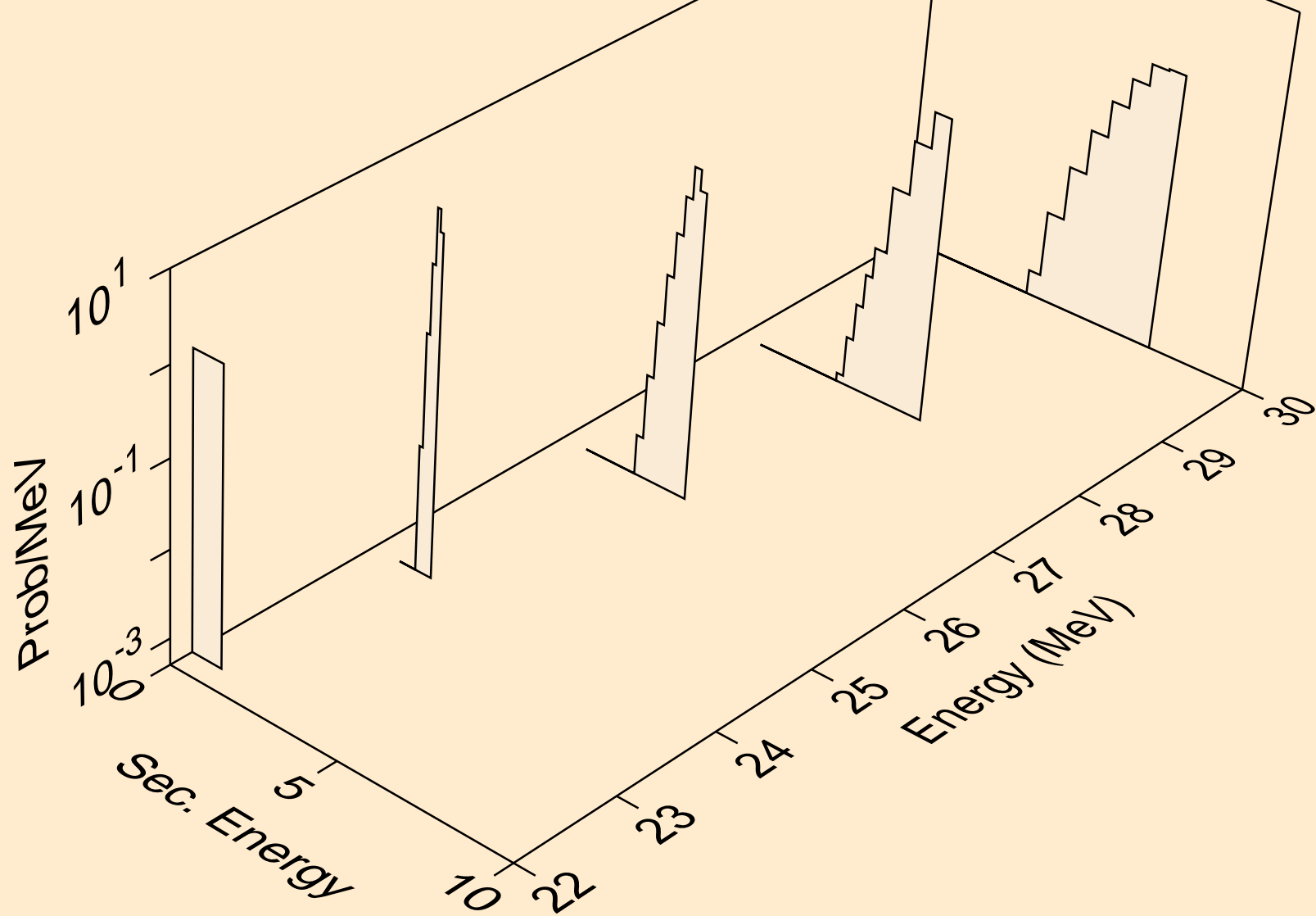
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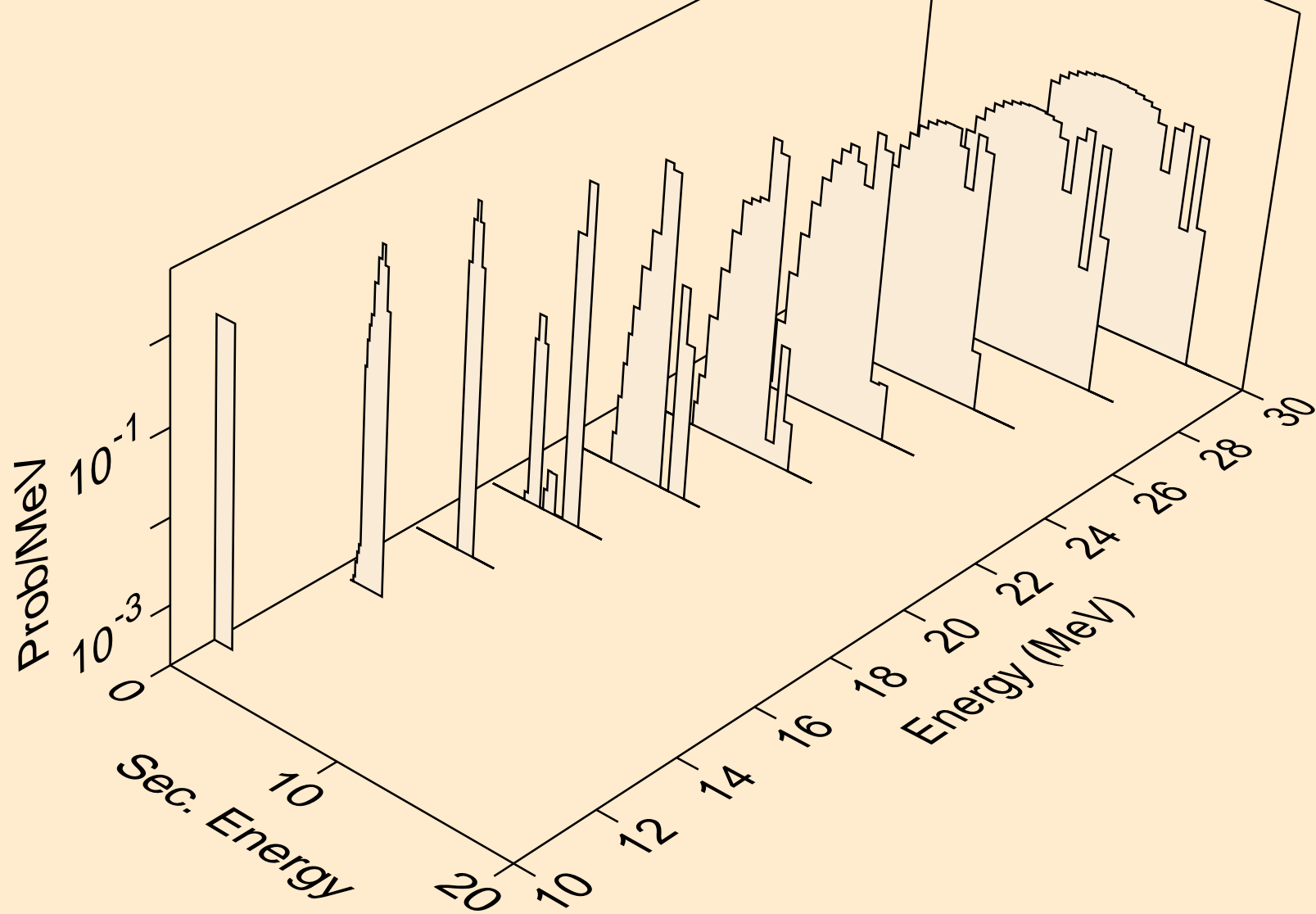
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he3s from (n,x)



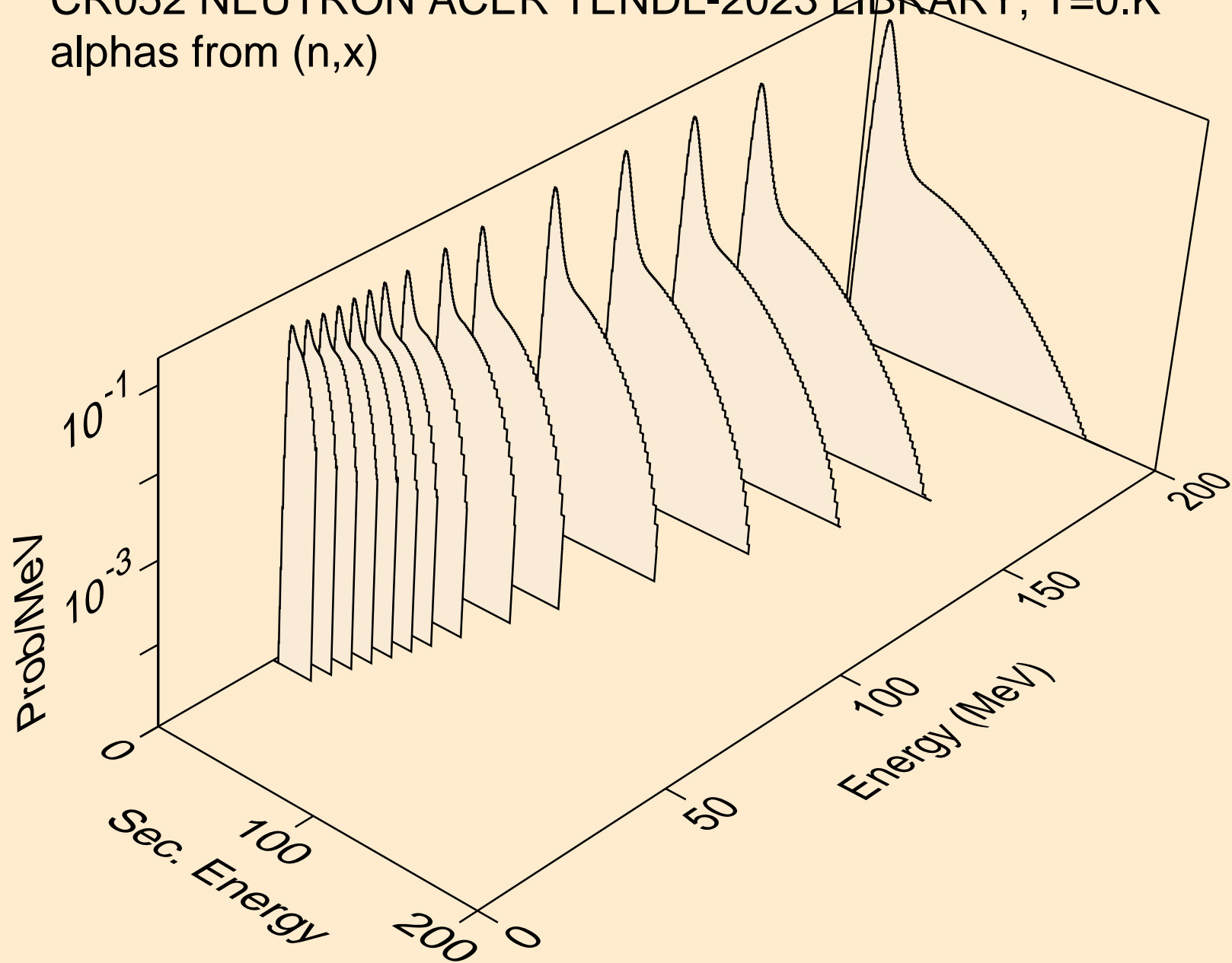
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he3s from (n,n\*)he3



CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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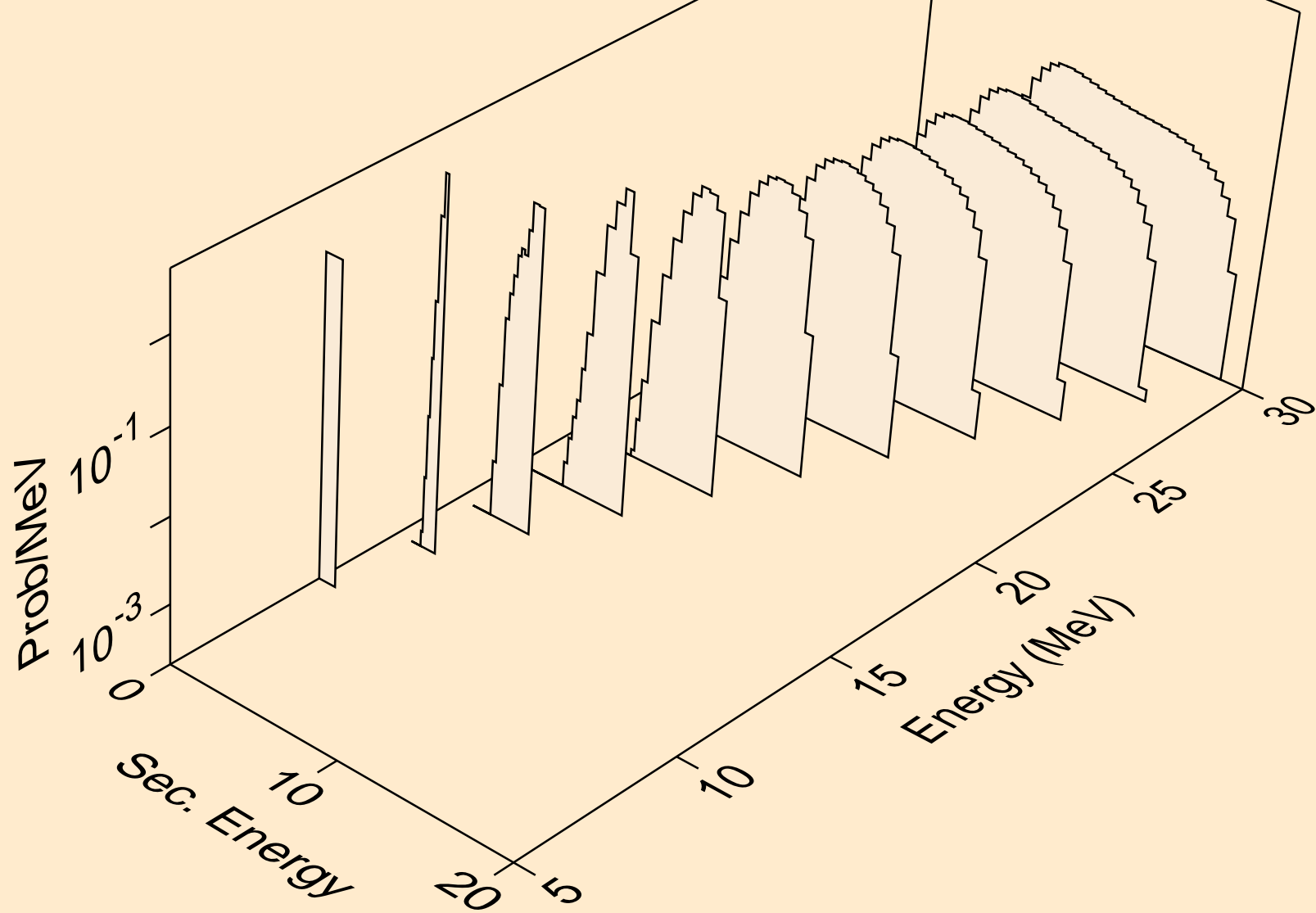


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alphas from (n,x)

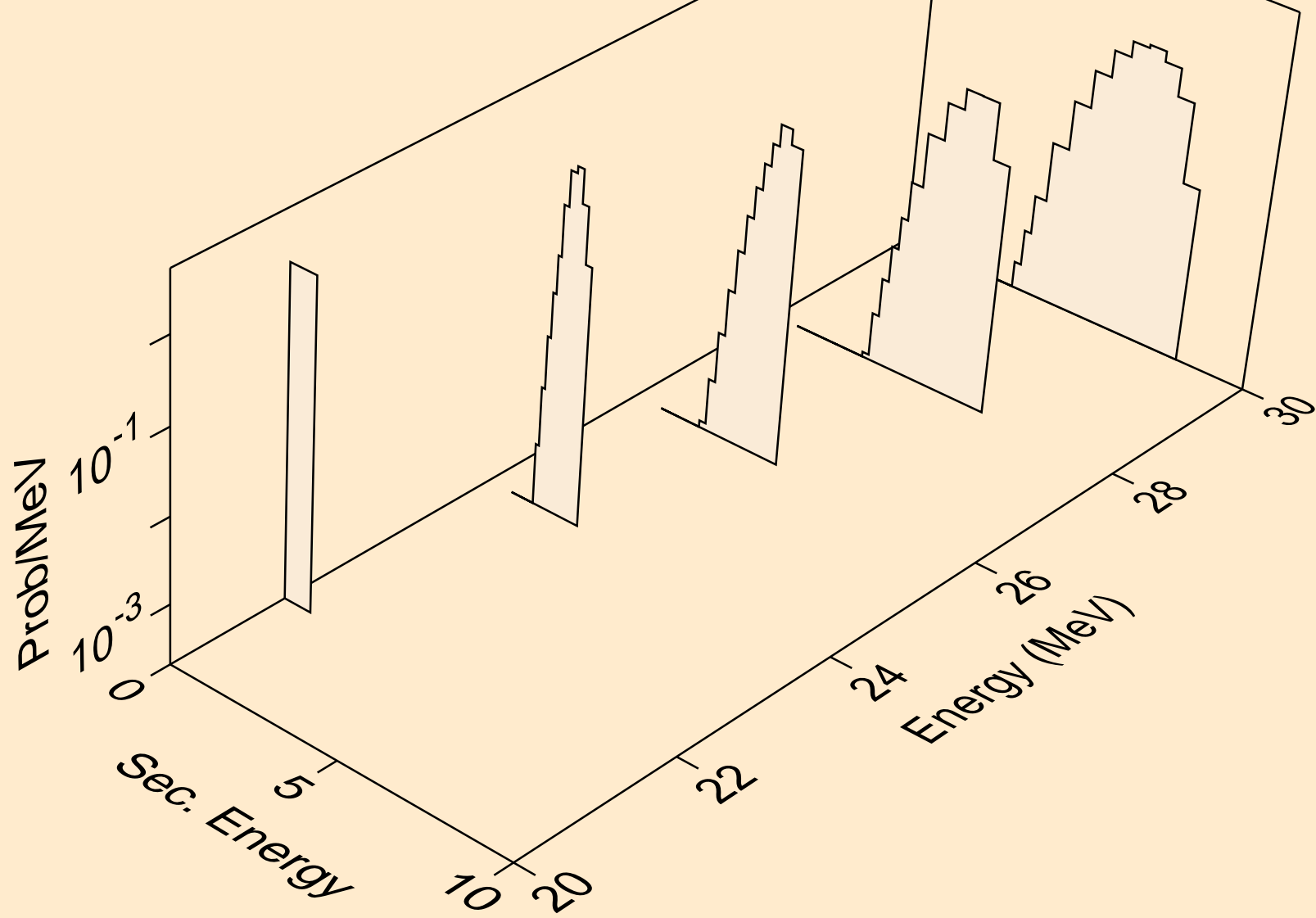




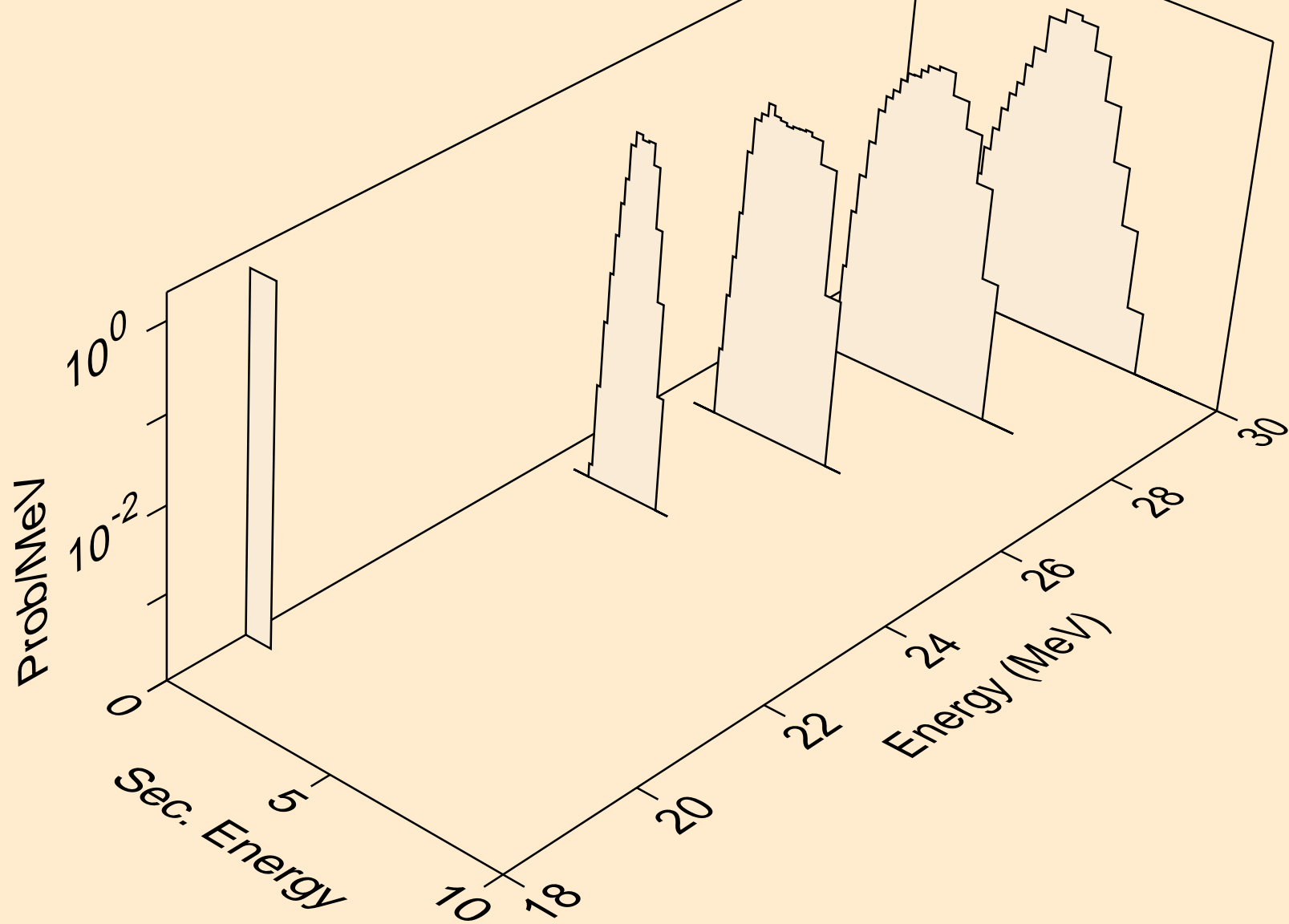
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alphas from (n,n\*)a



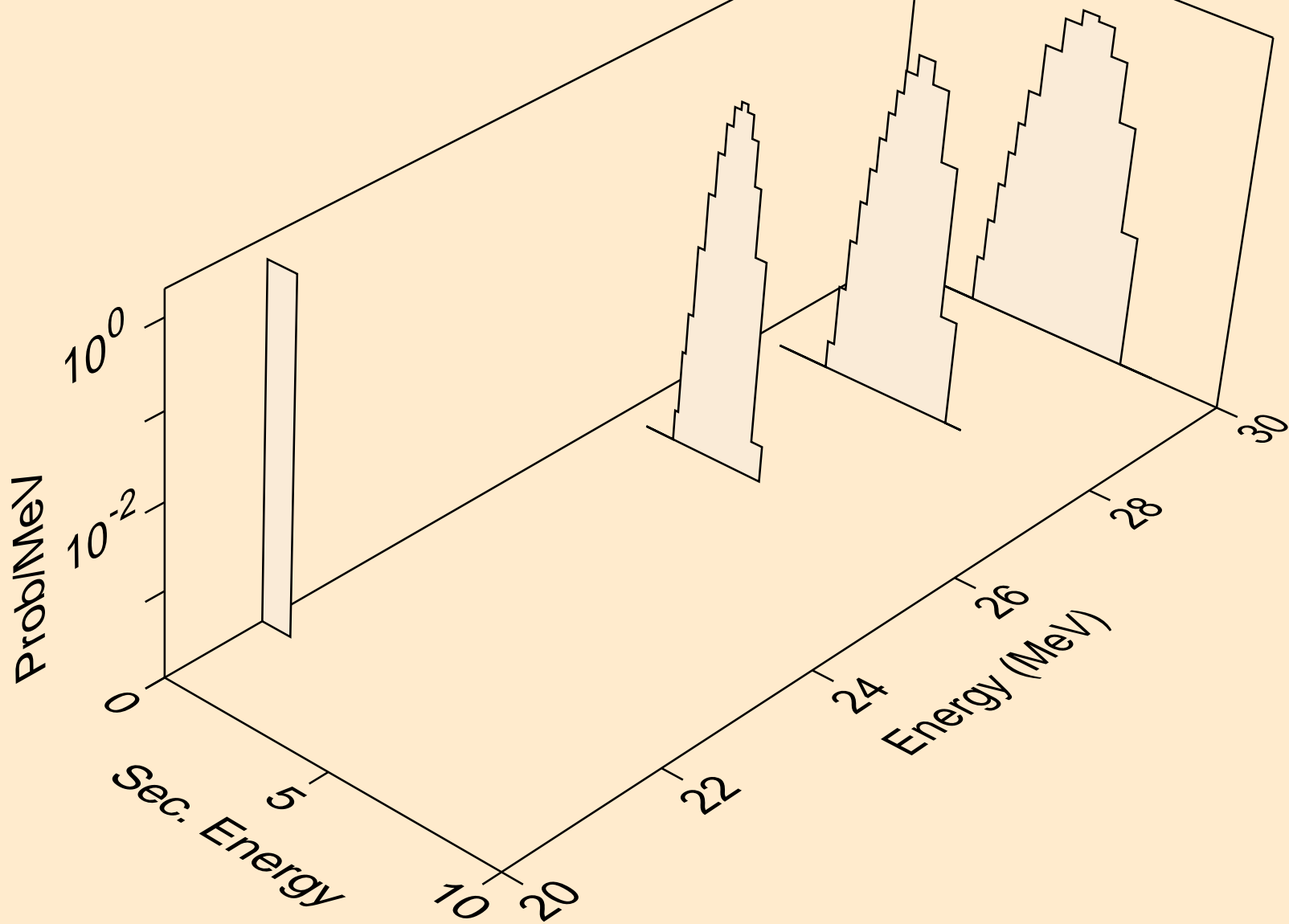
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alphas from (n,2n)a



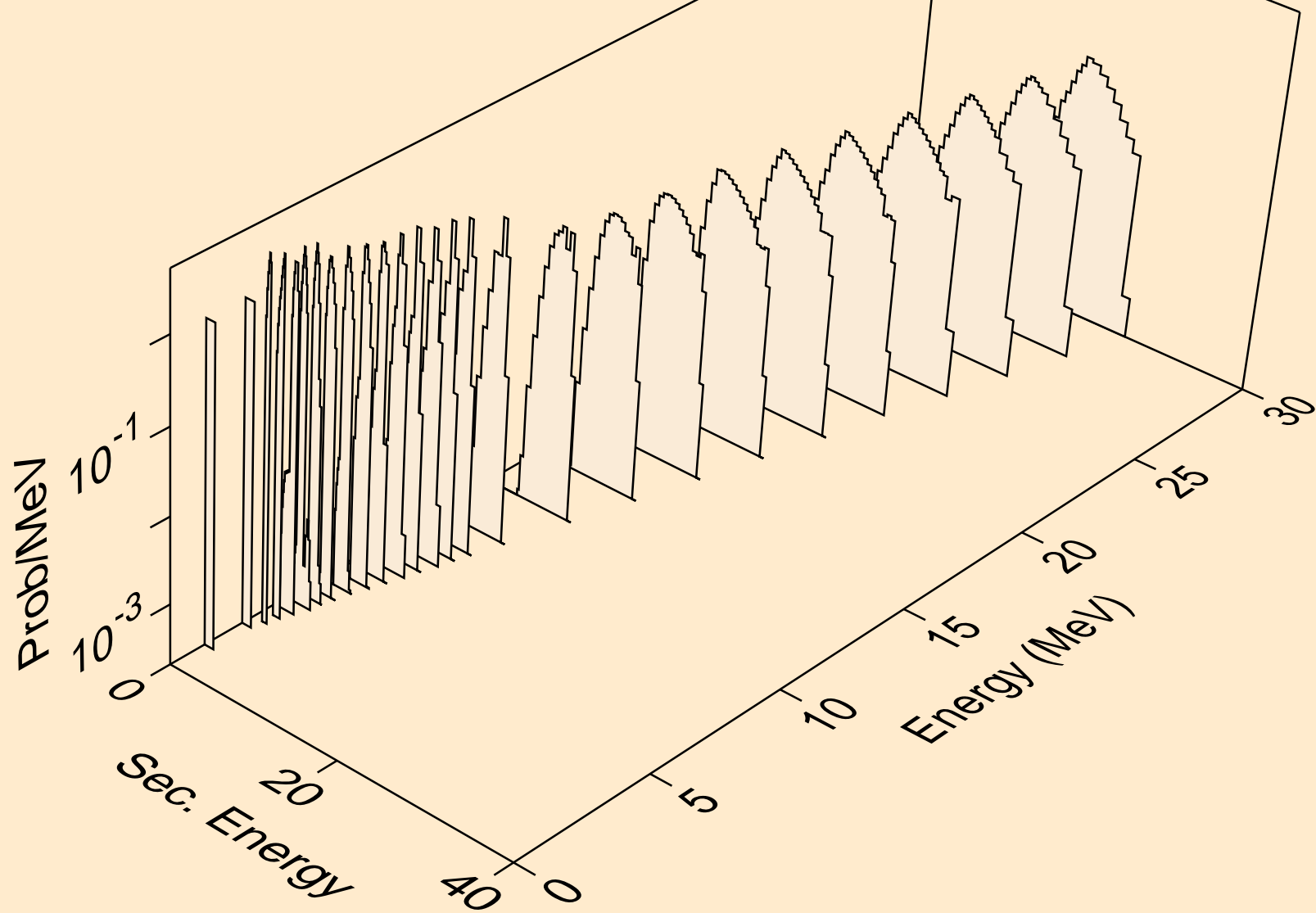
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alphas from (n,n\*)2a



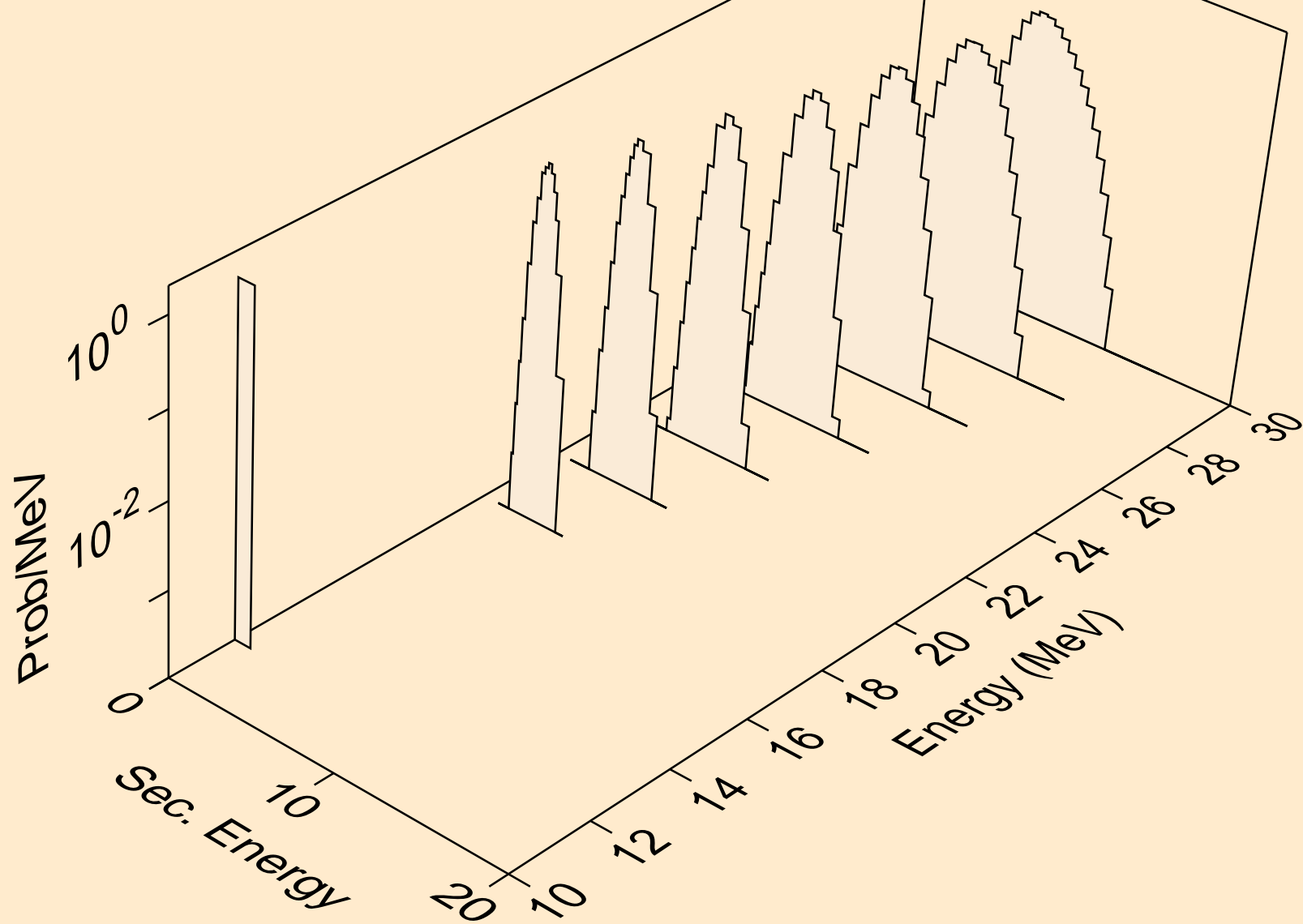
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alphas from (n,npa)



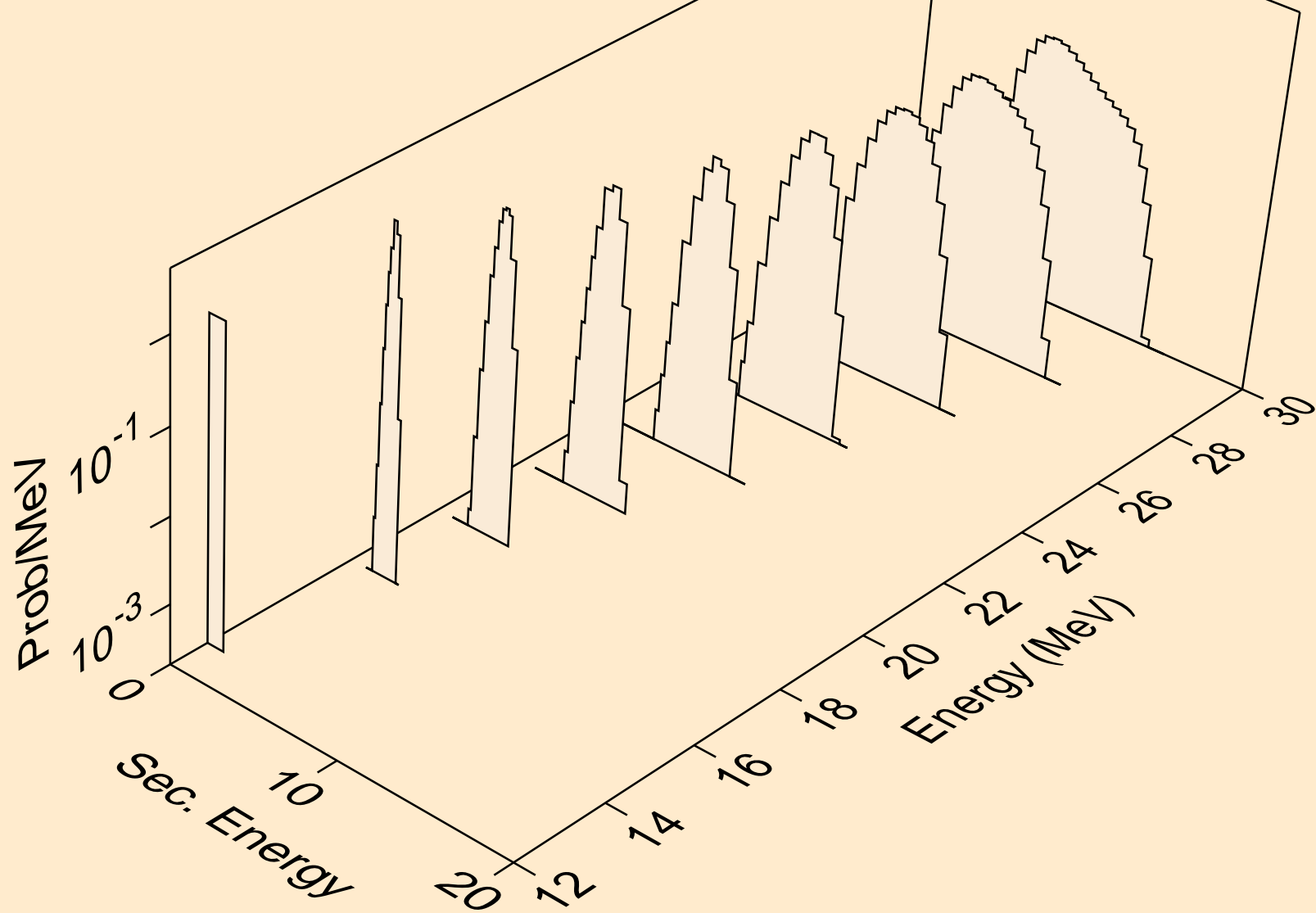
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alphas from (n,a)



CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



CR052 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

