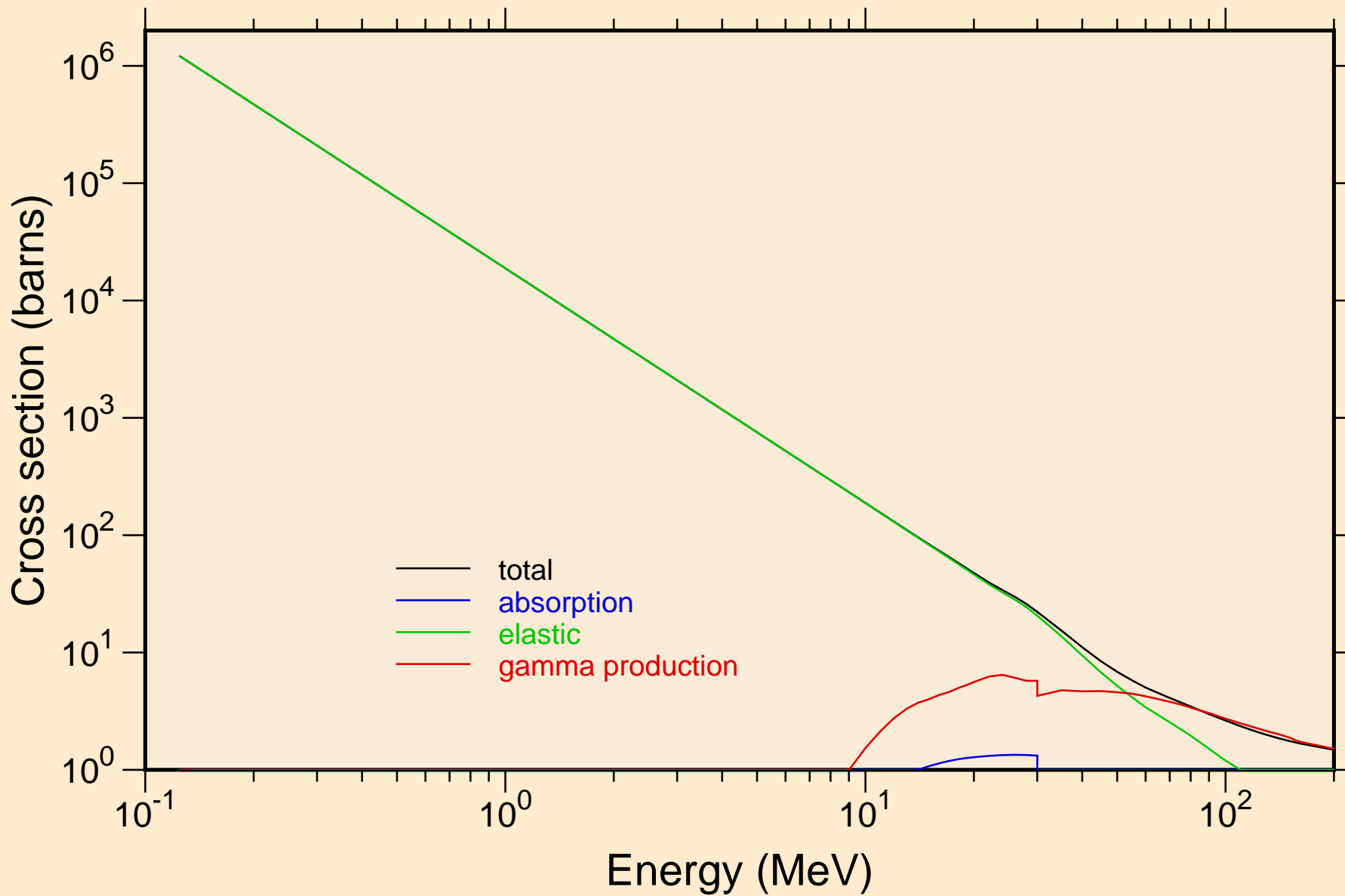
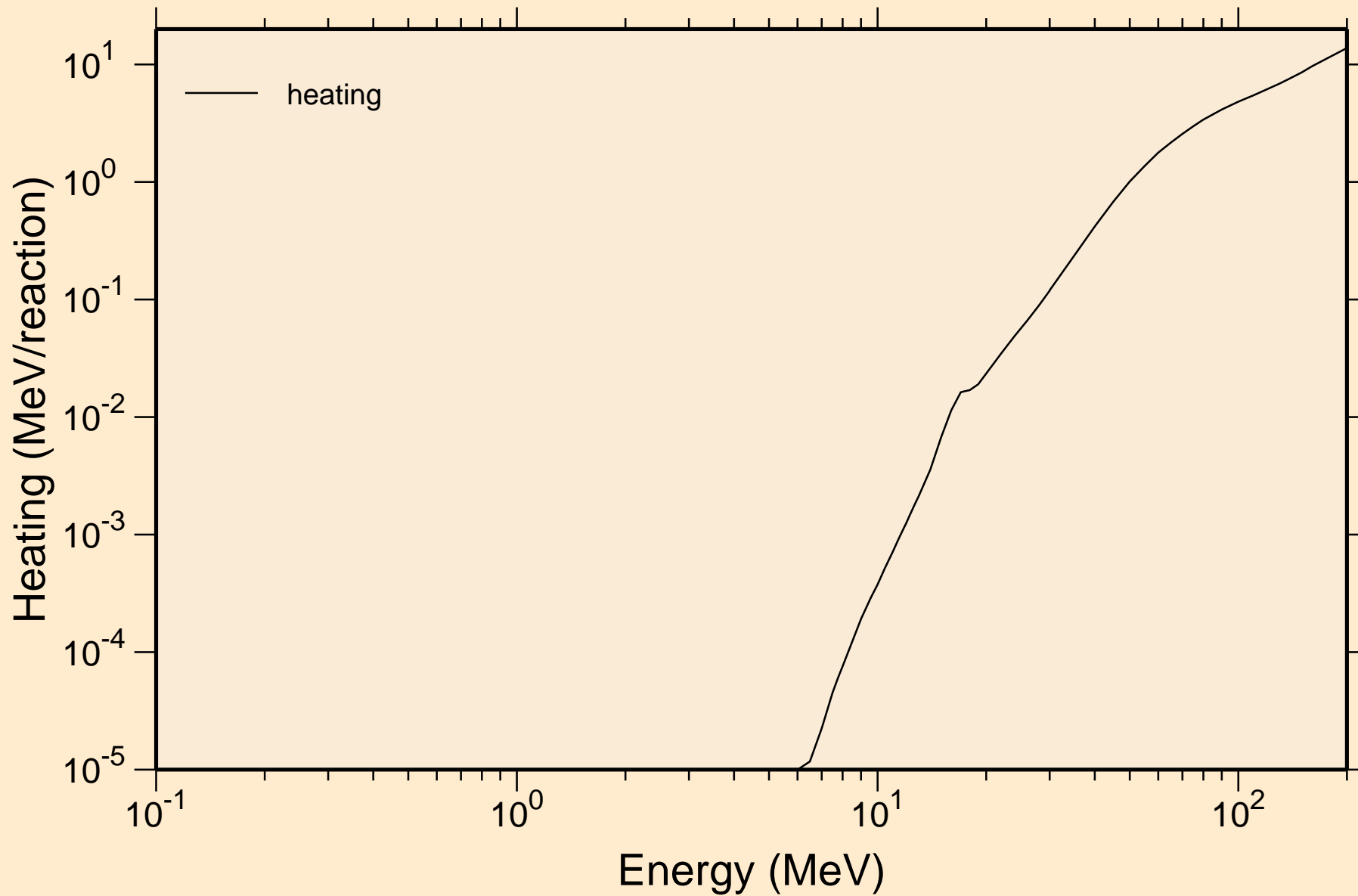


# CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections

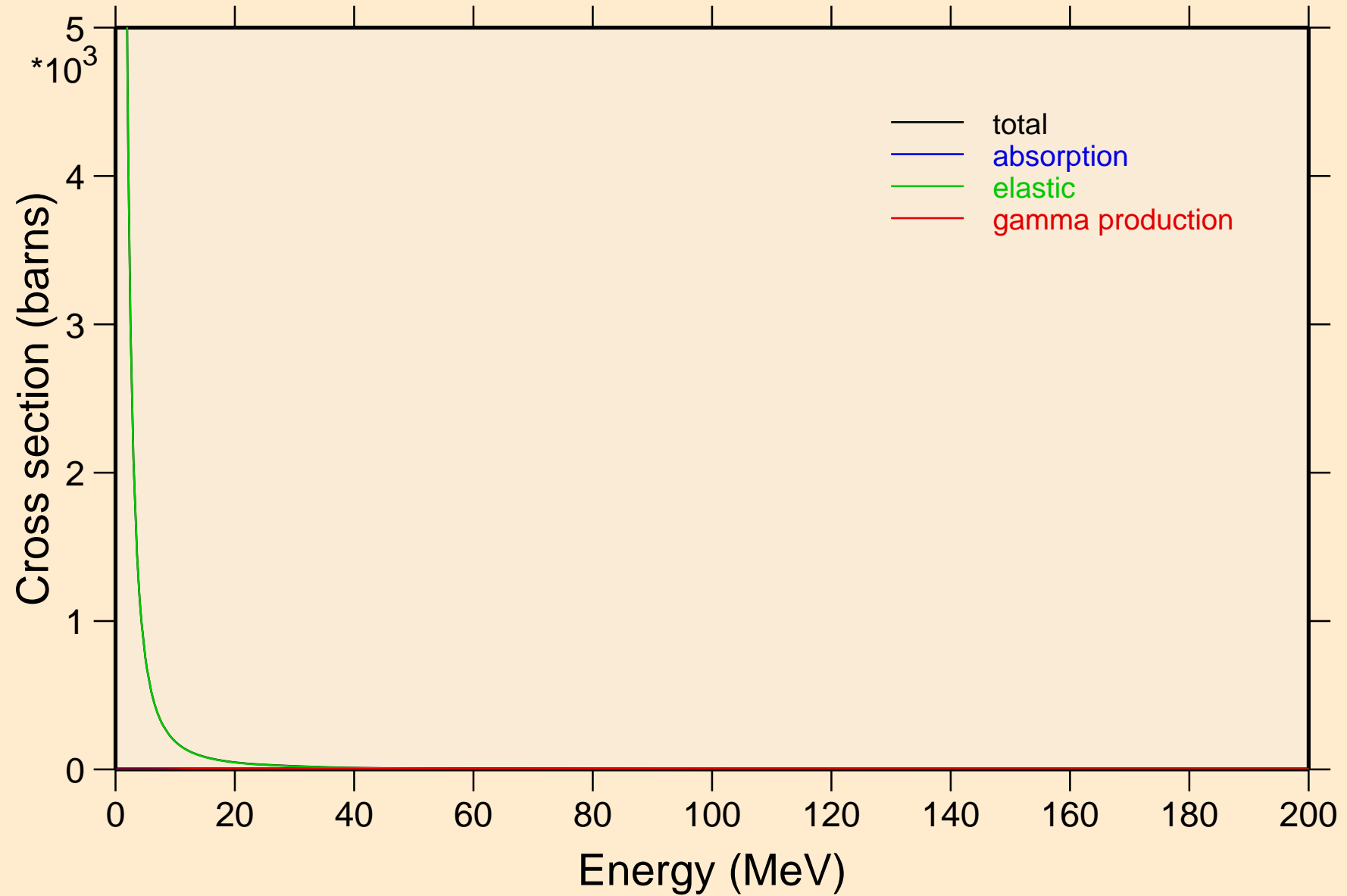


CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Heating



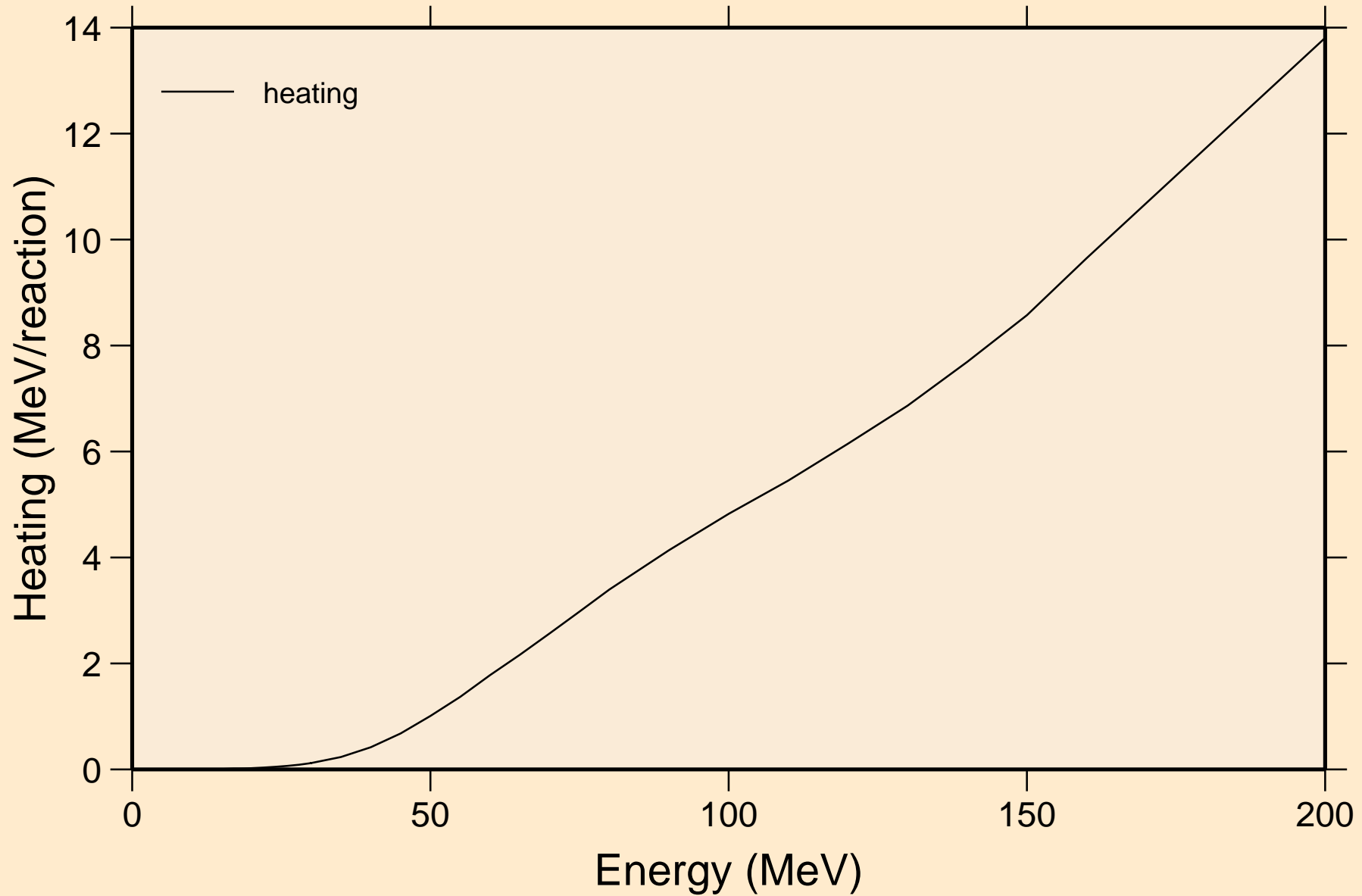
# CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



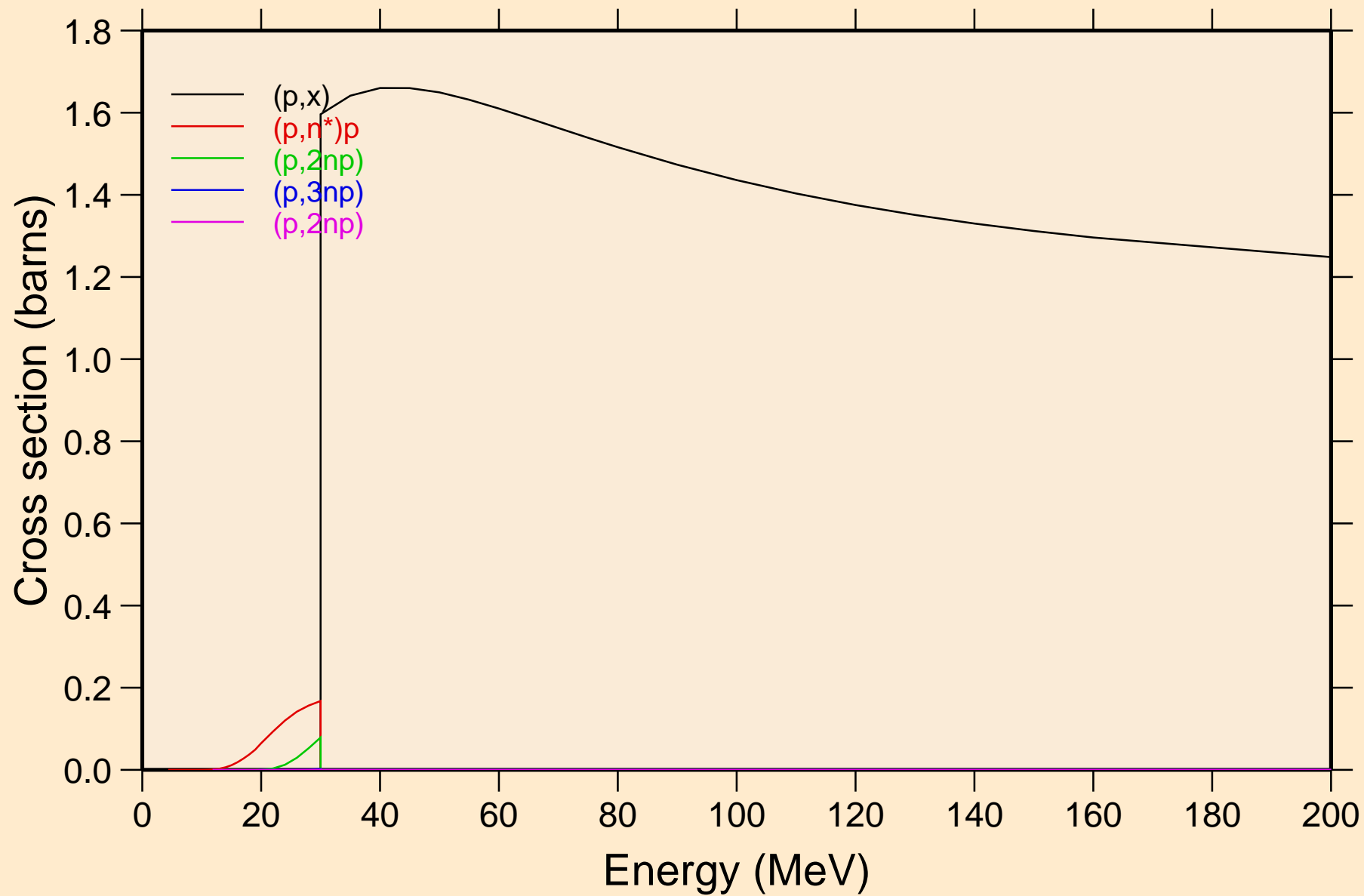
# CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Heating



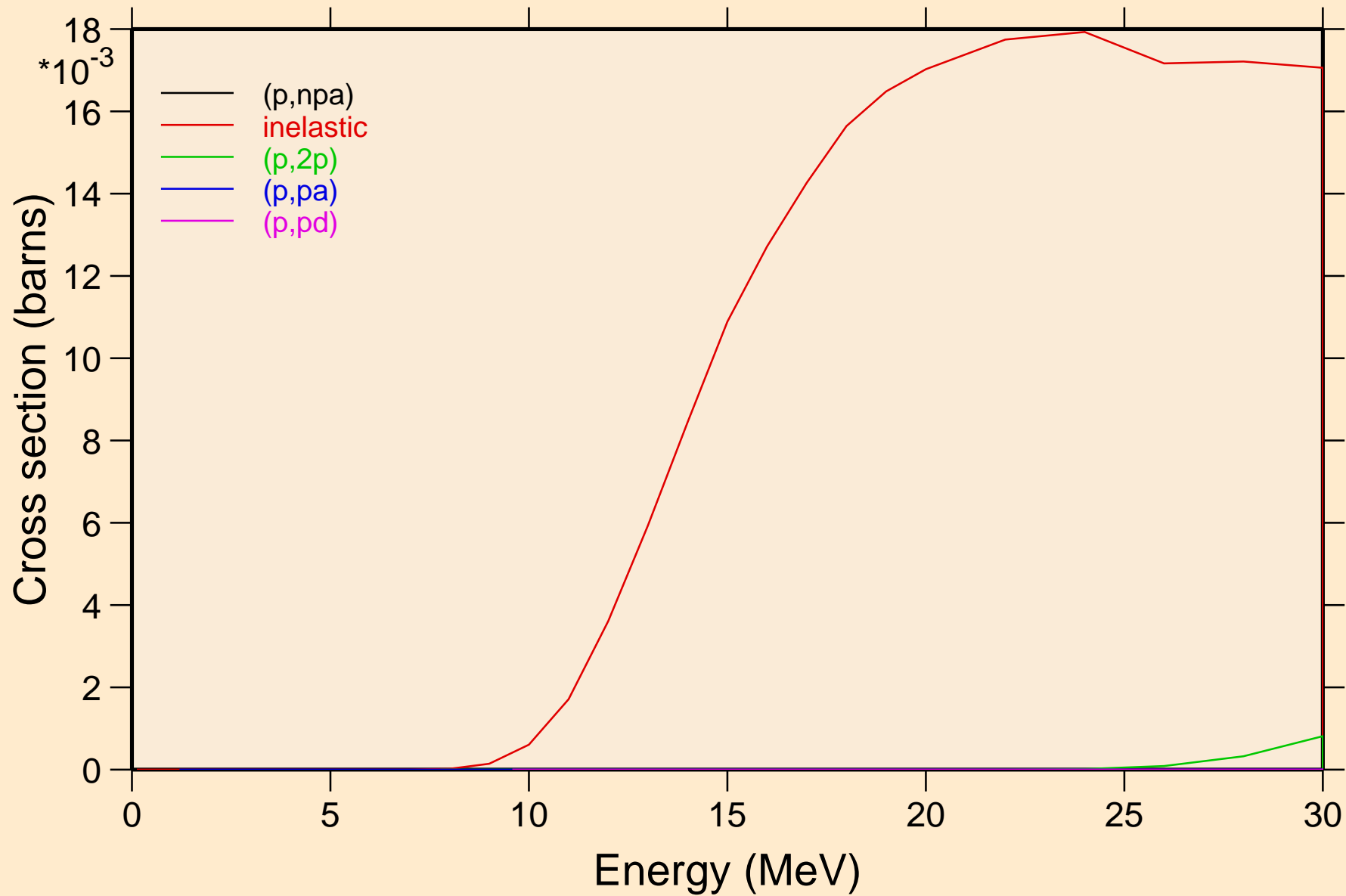
# CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



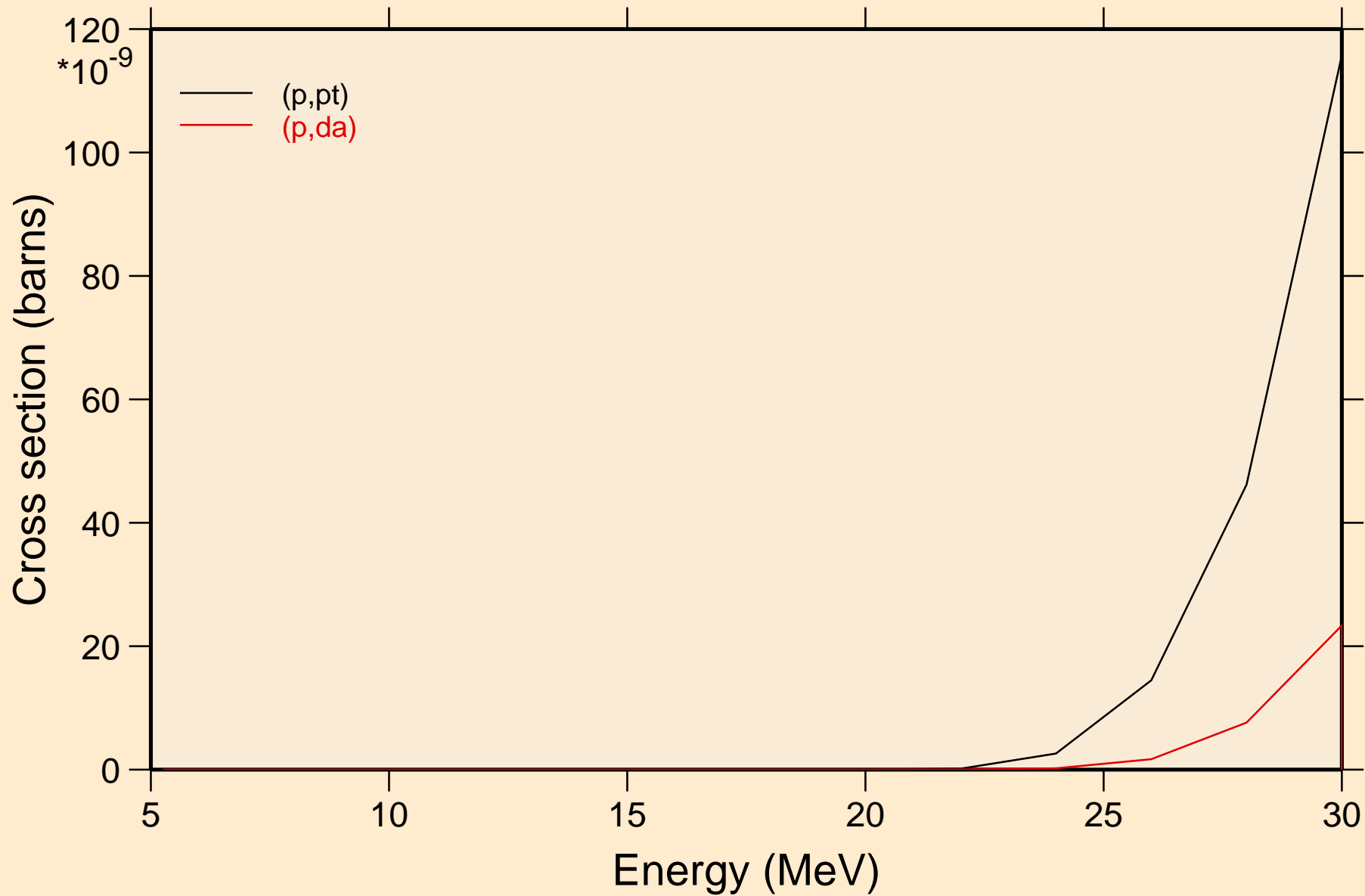
# CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions

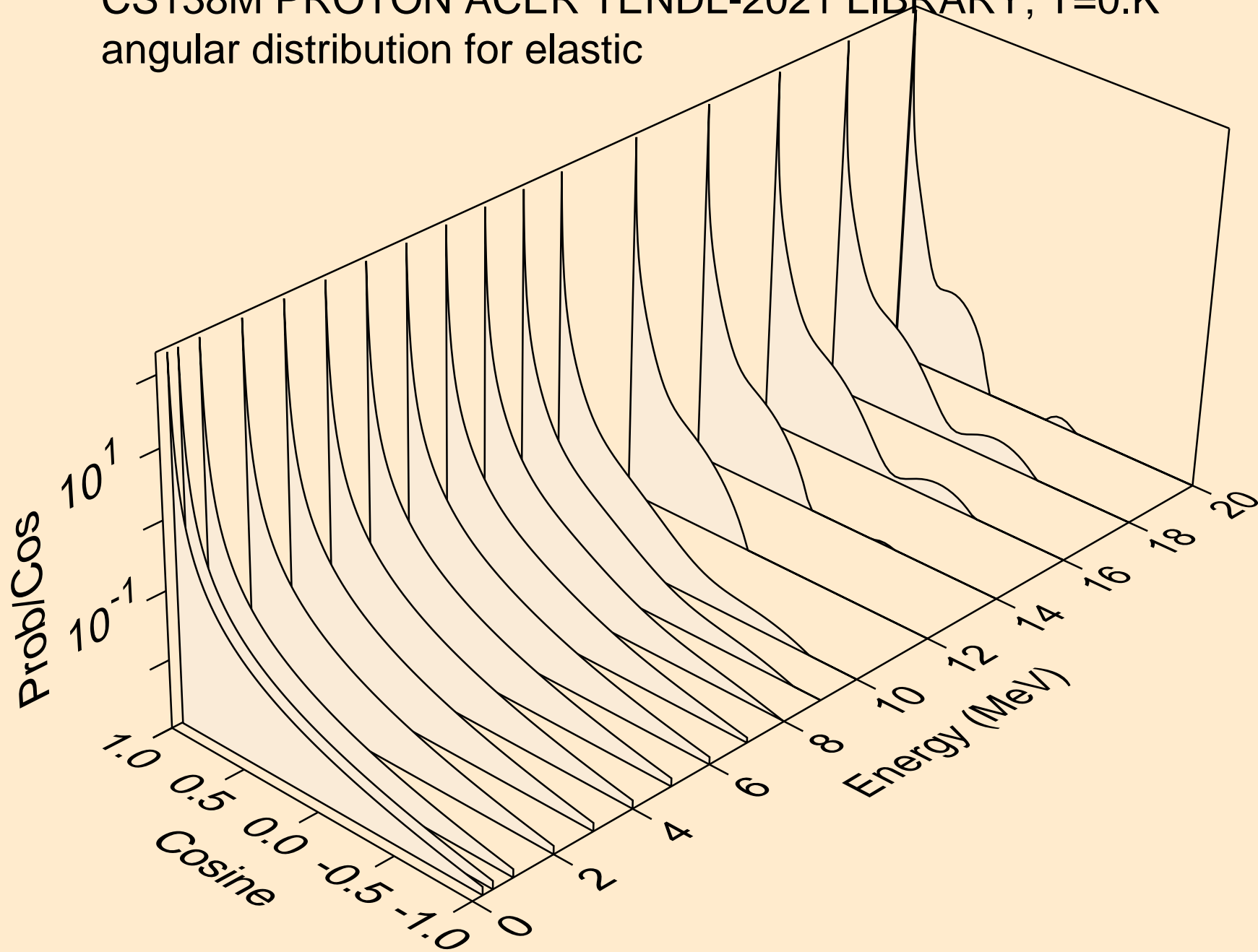


# CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions

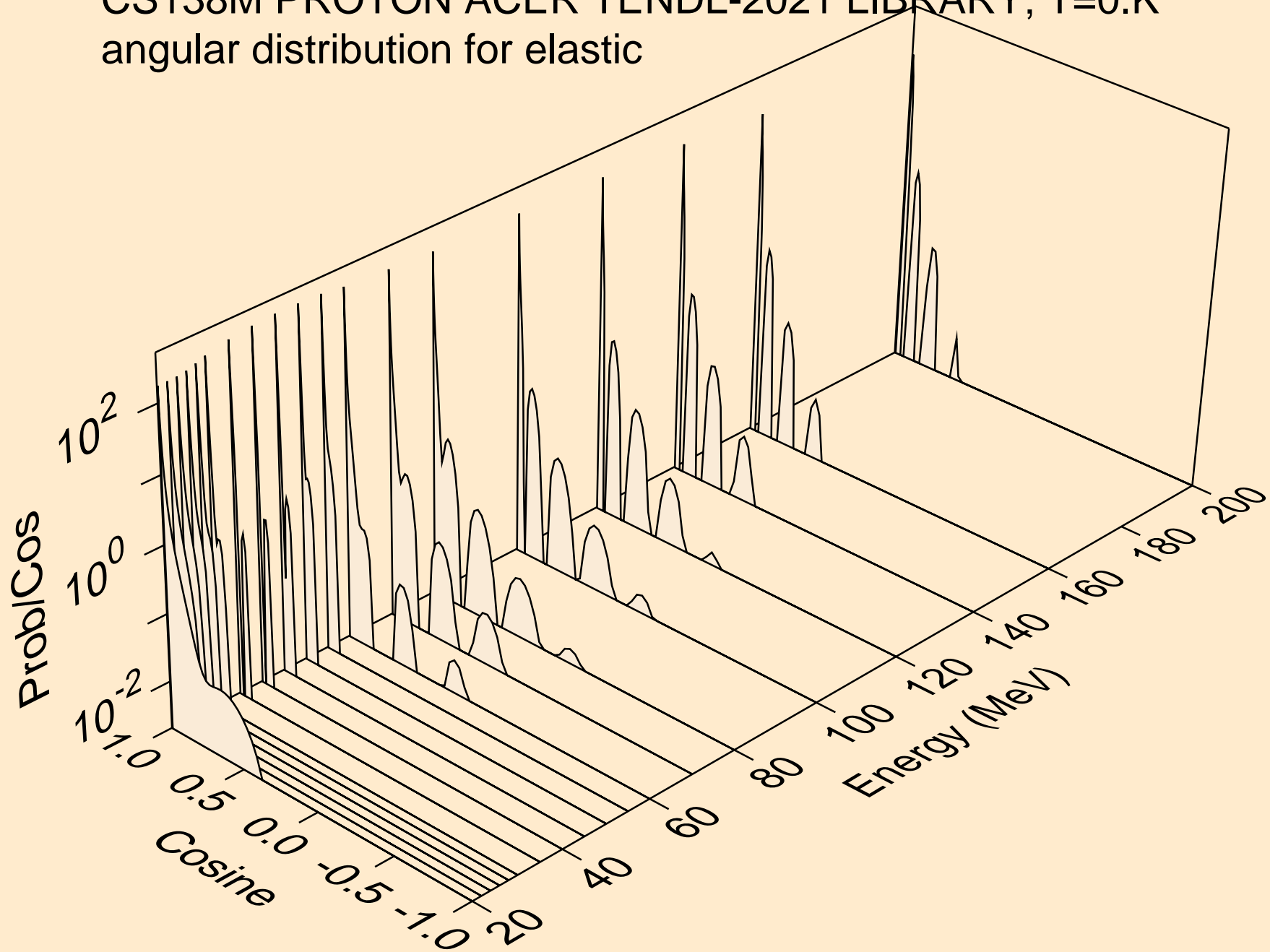


CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic

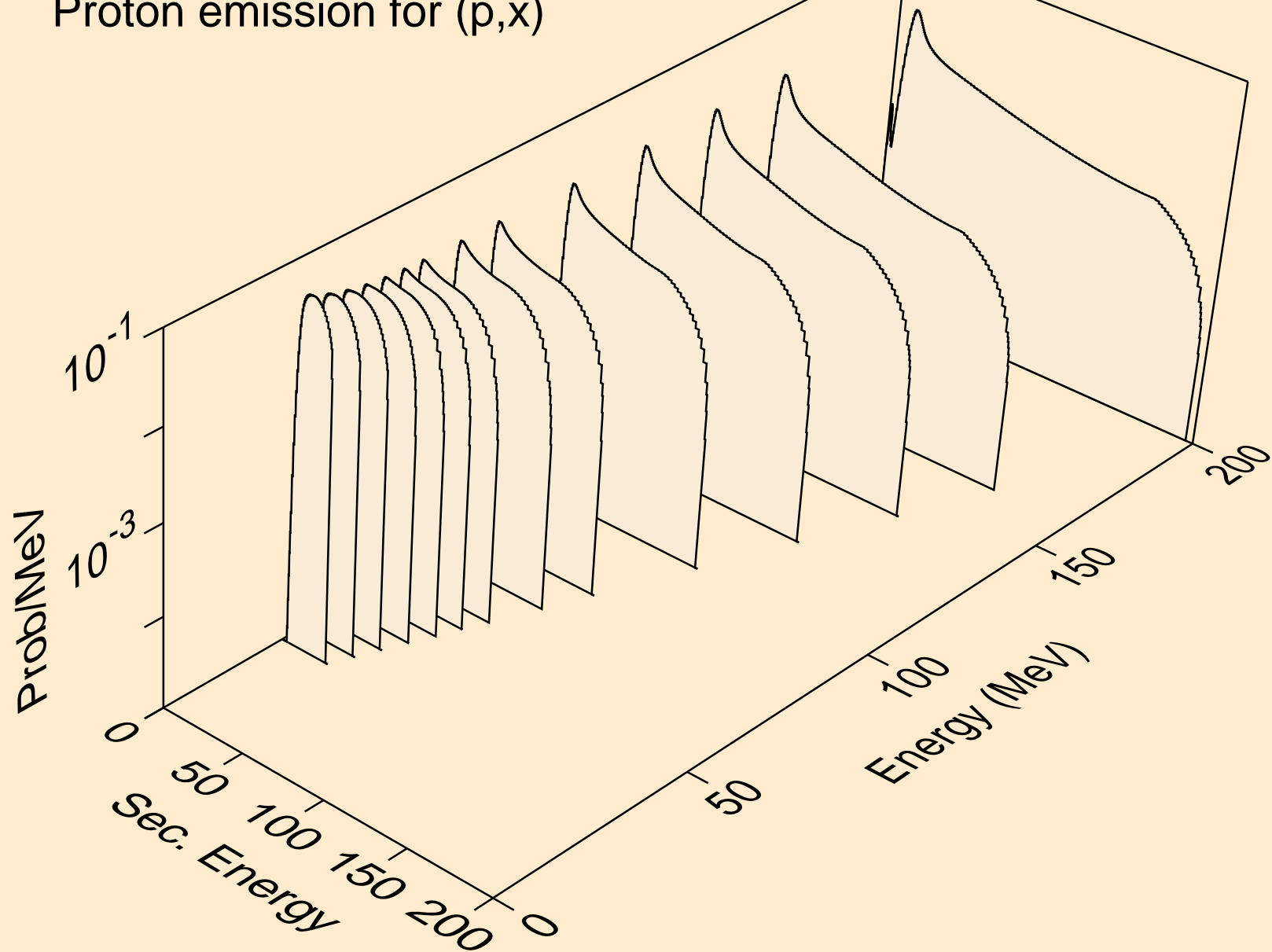




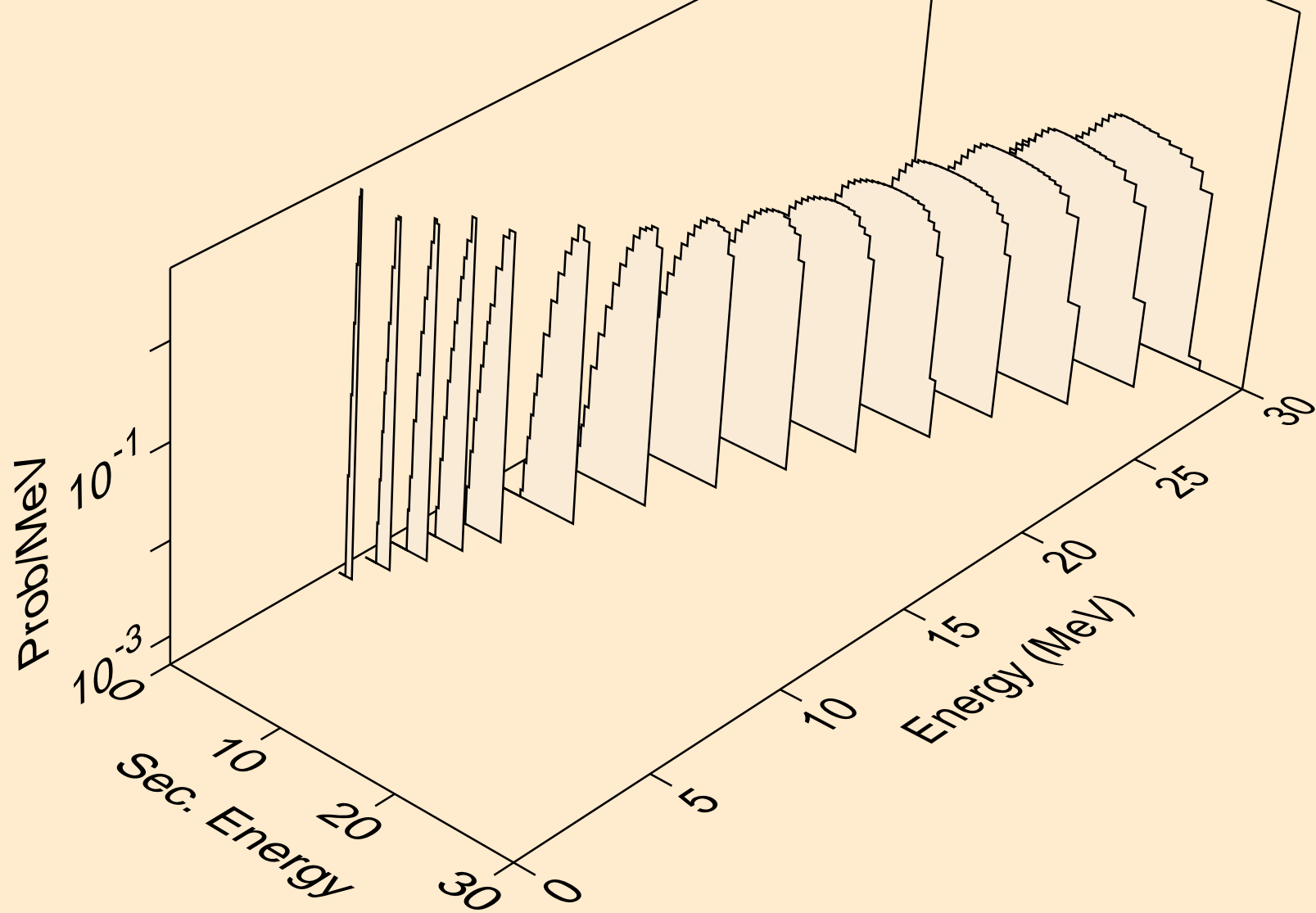
CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



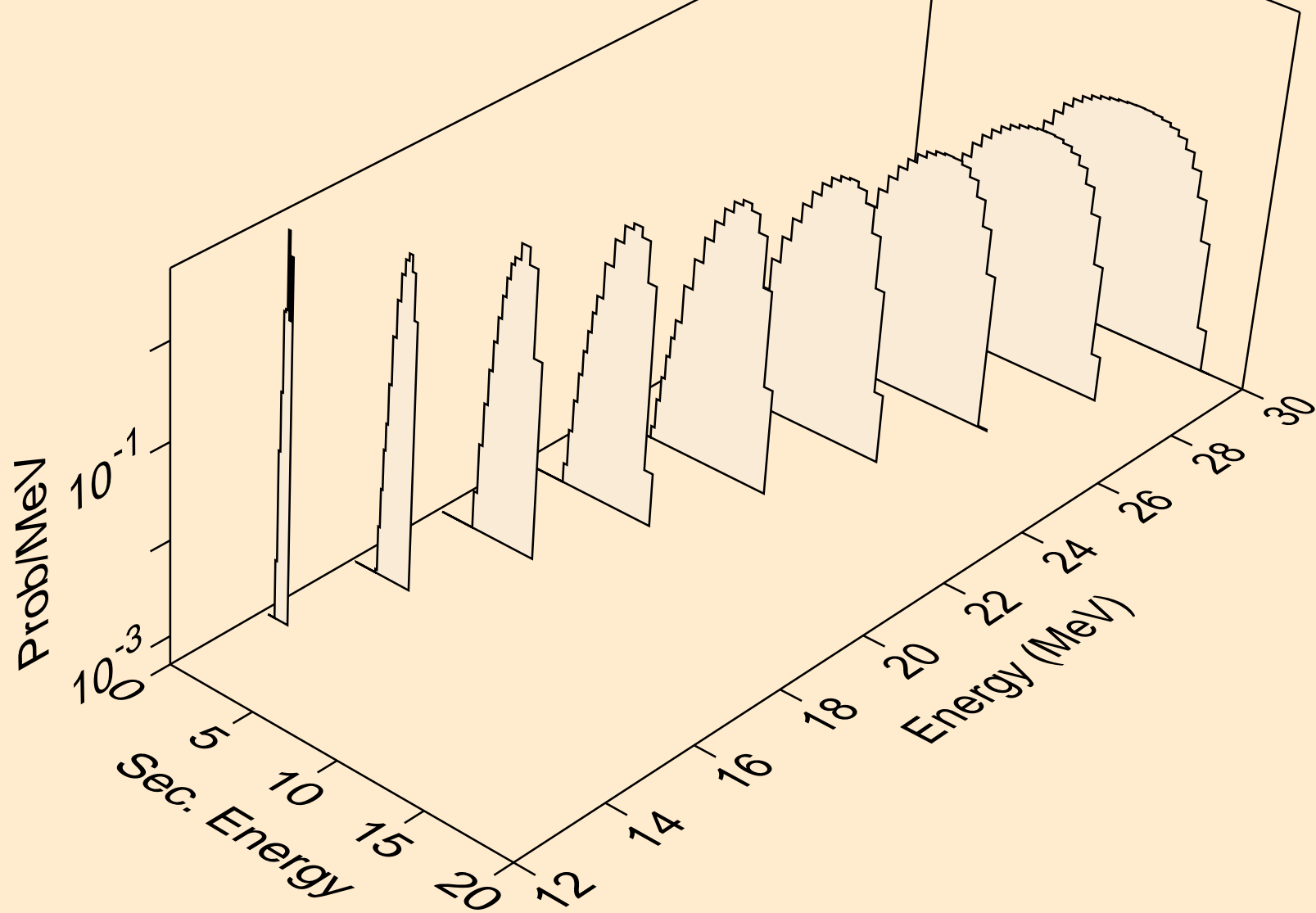
CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,x)



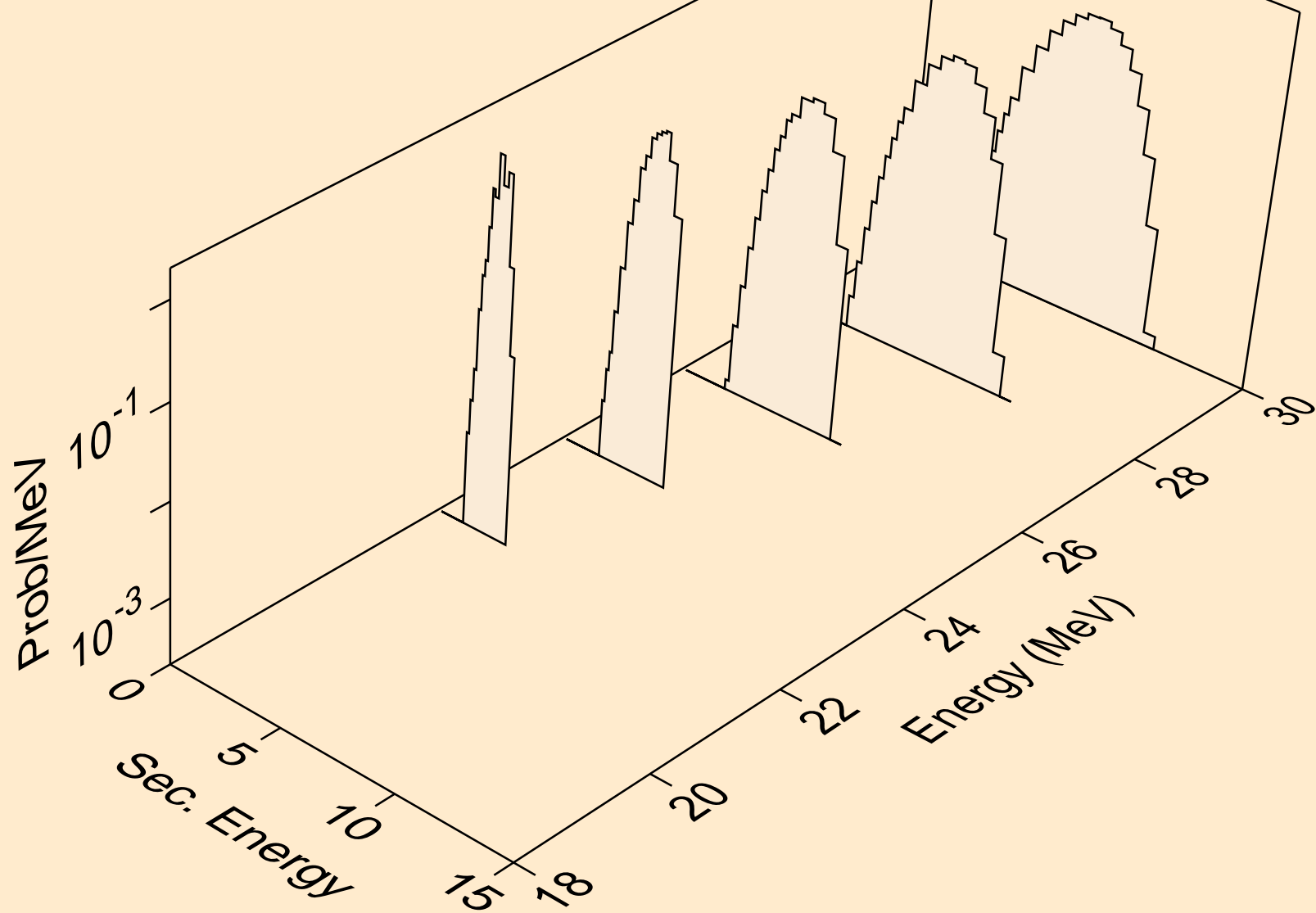
CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



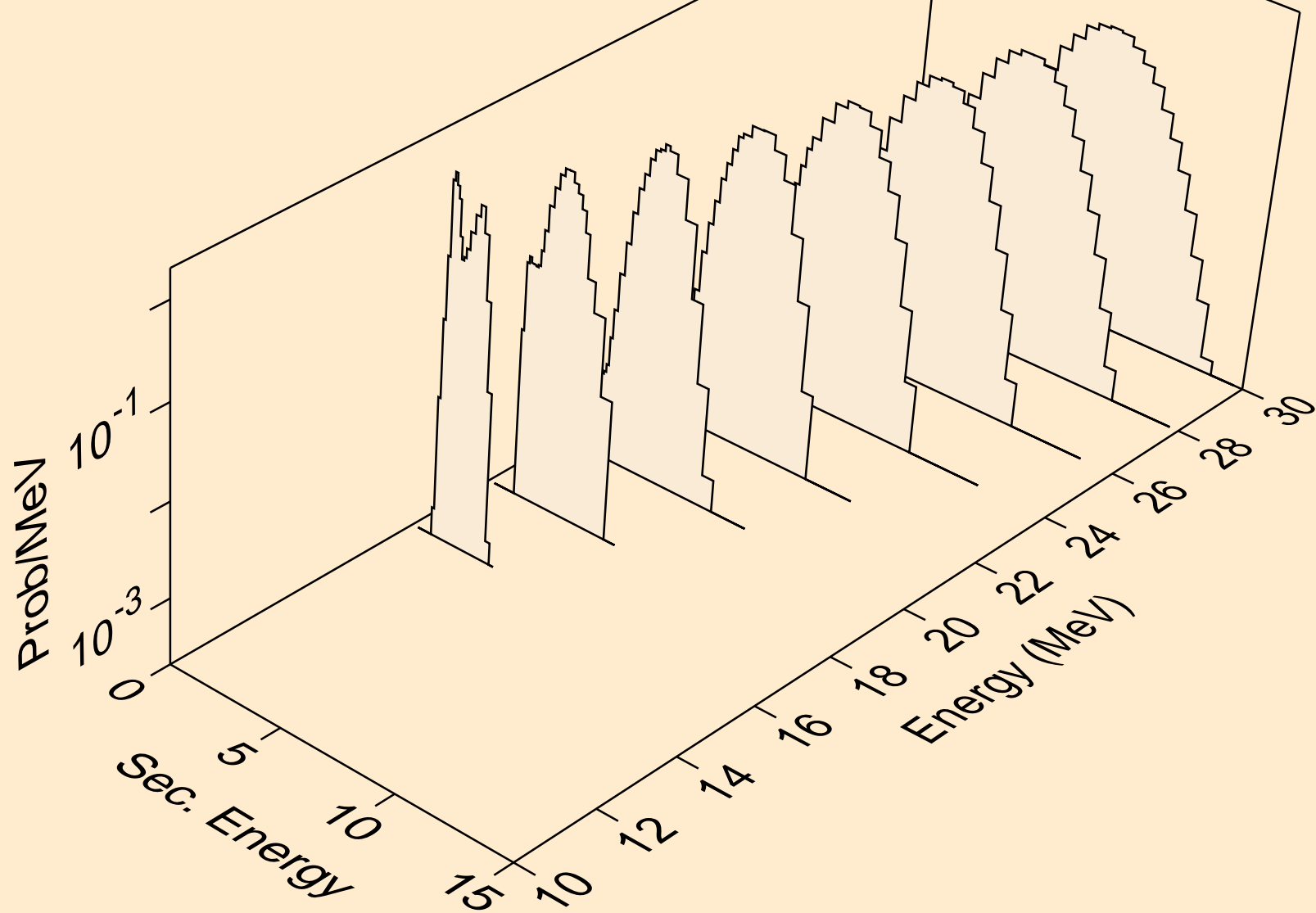
CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)



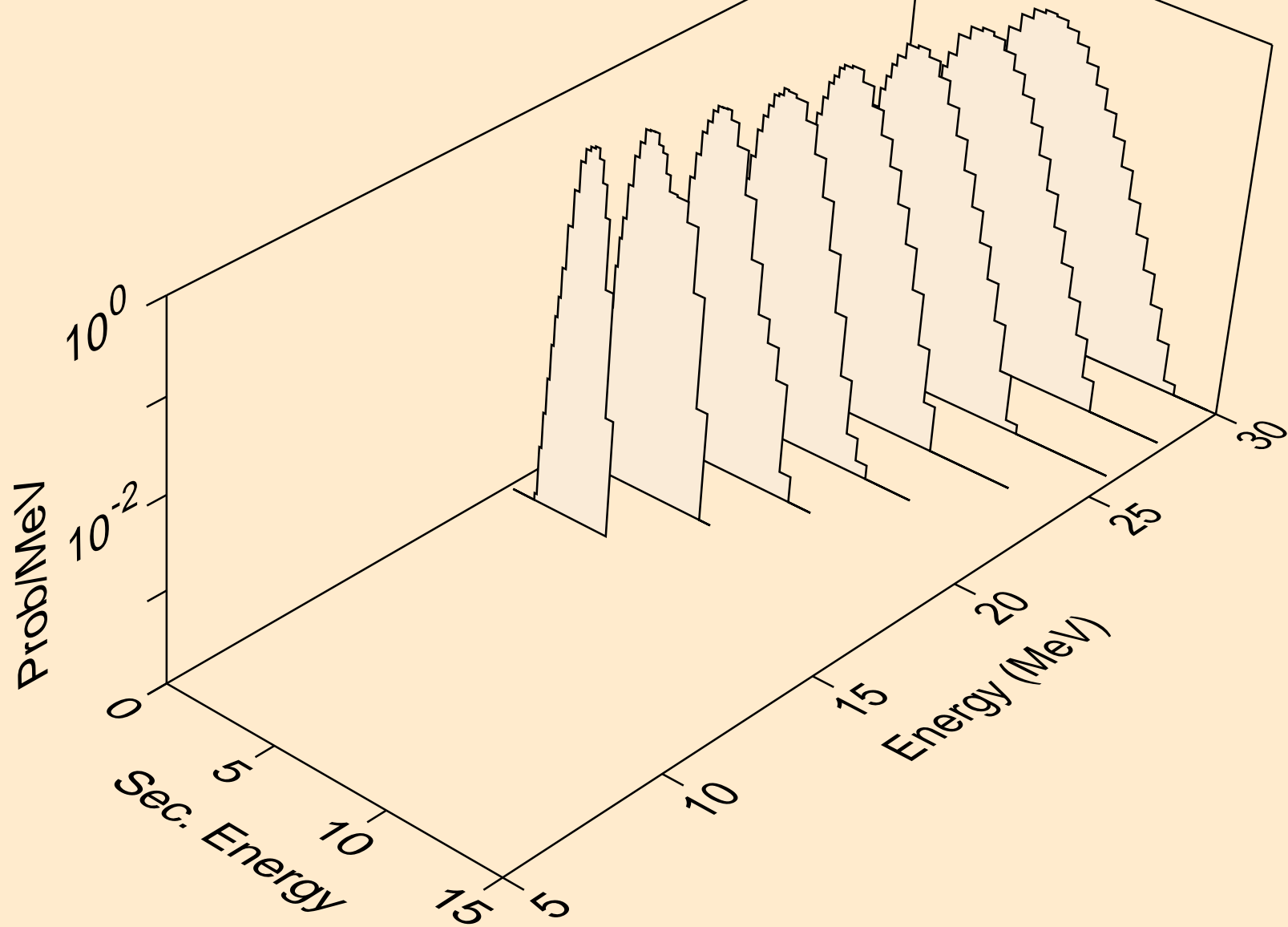
CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,3np)



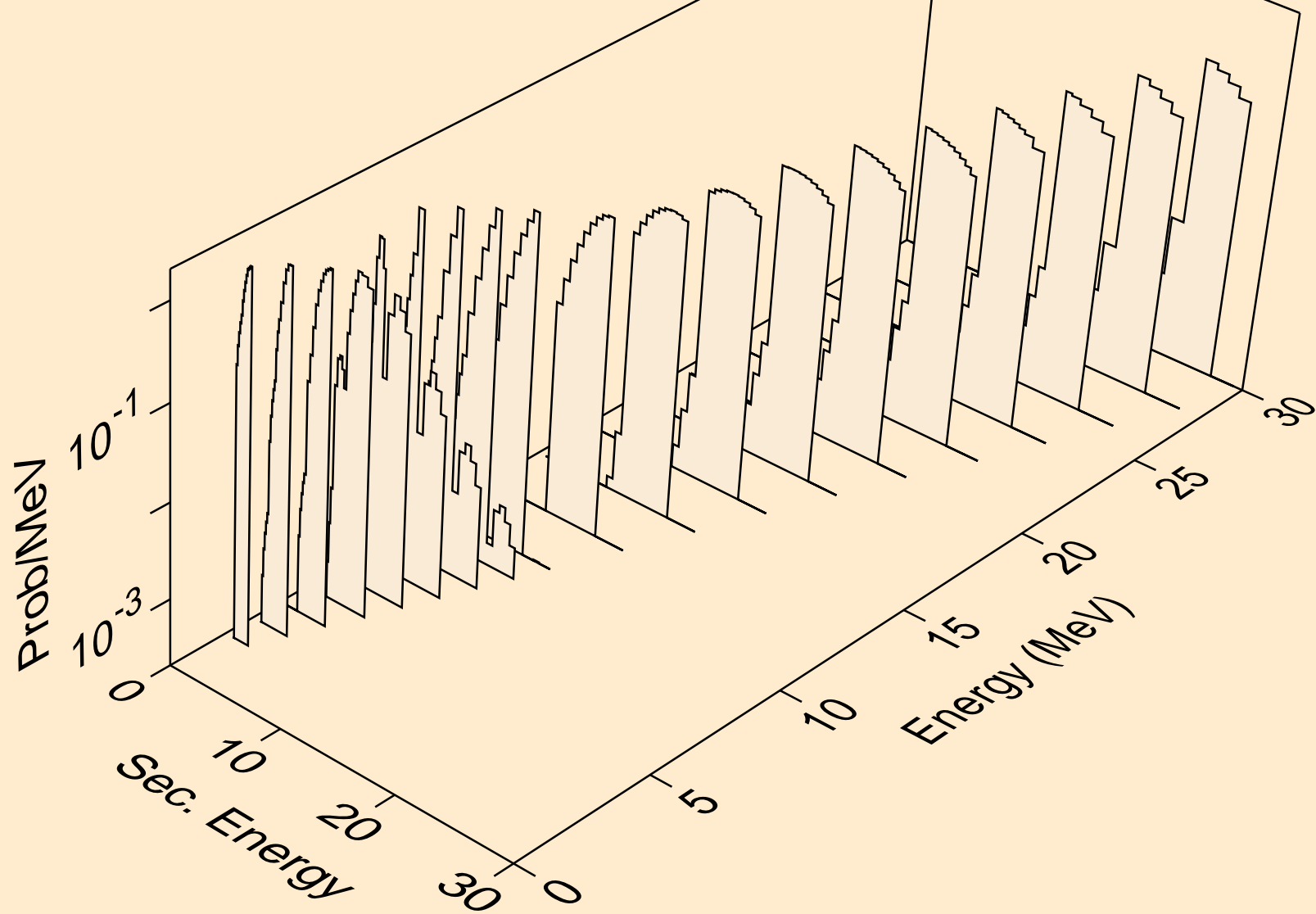
CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)



CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,npa)

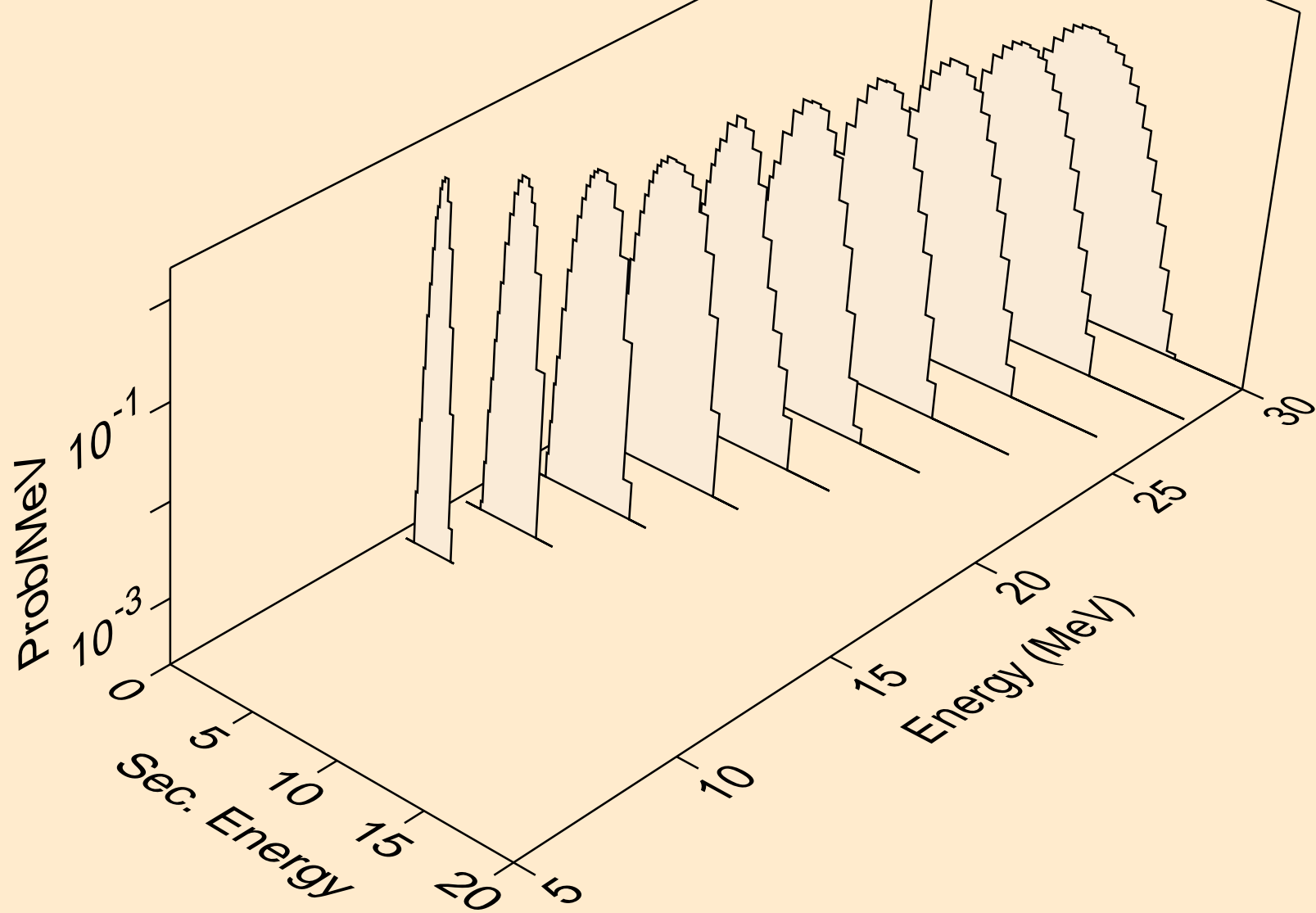


CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for inelastic

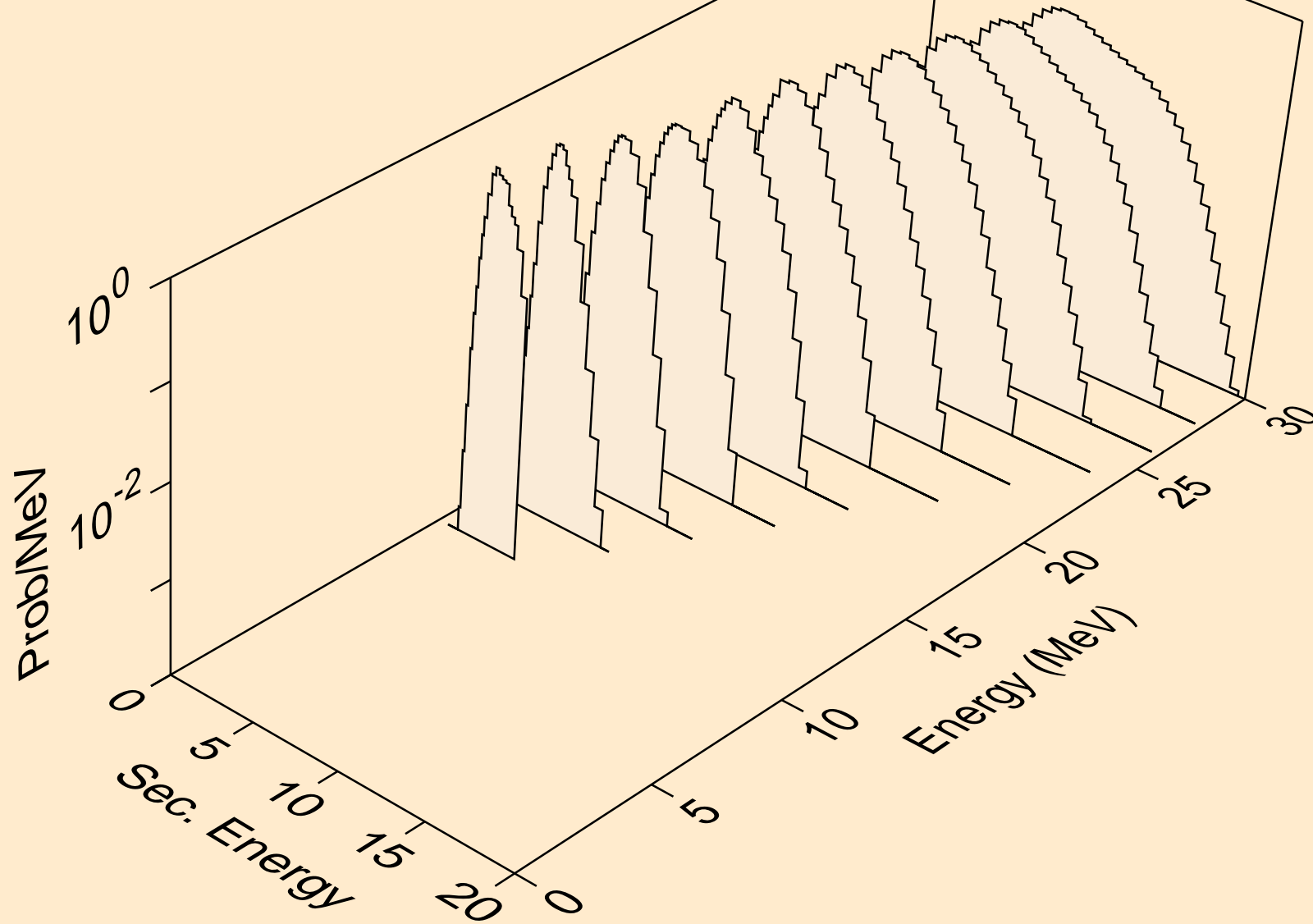




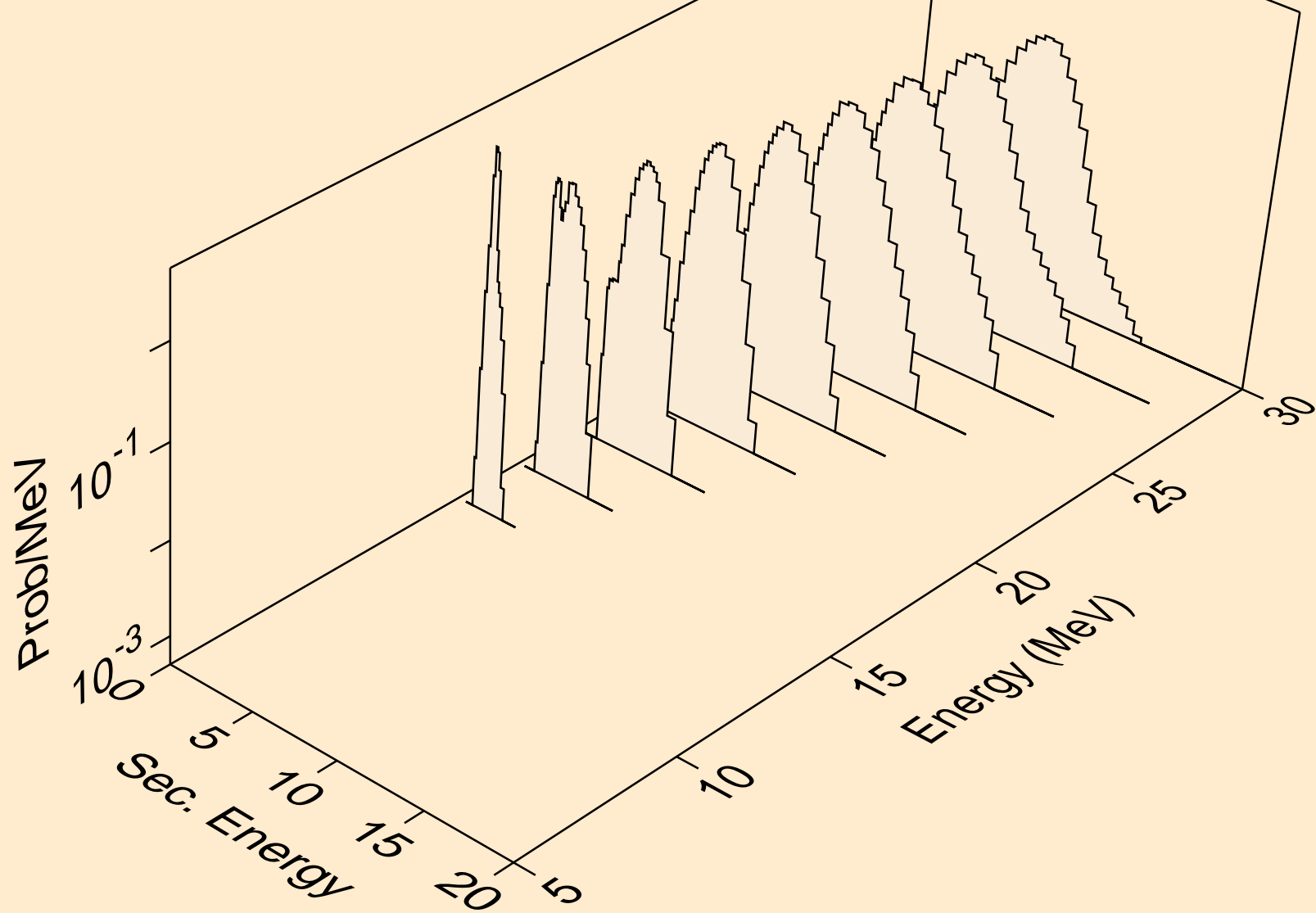
CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2p)



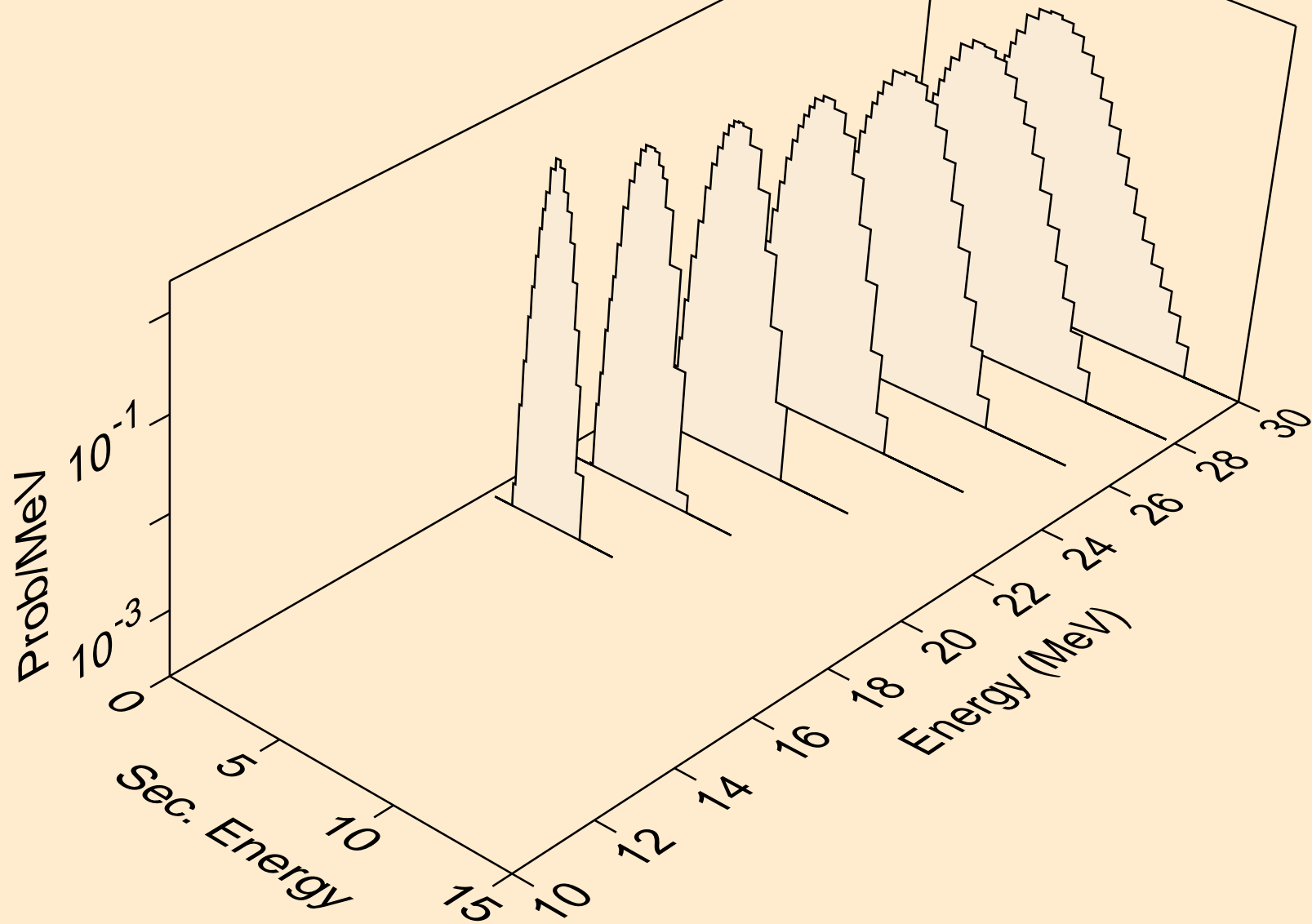
CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pa)



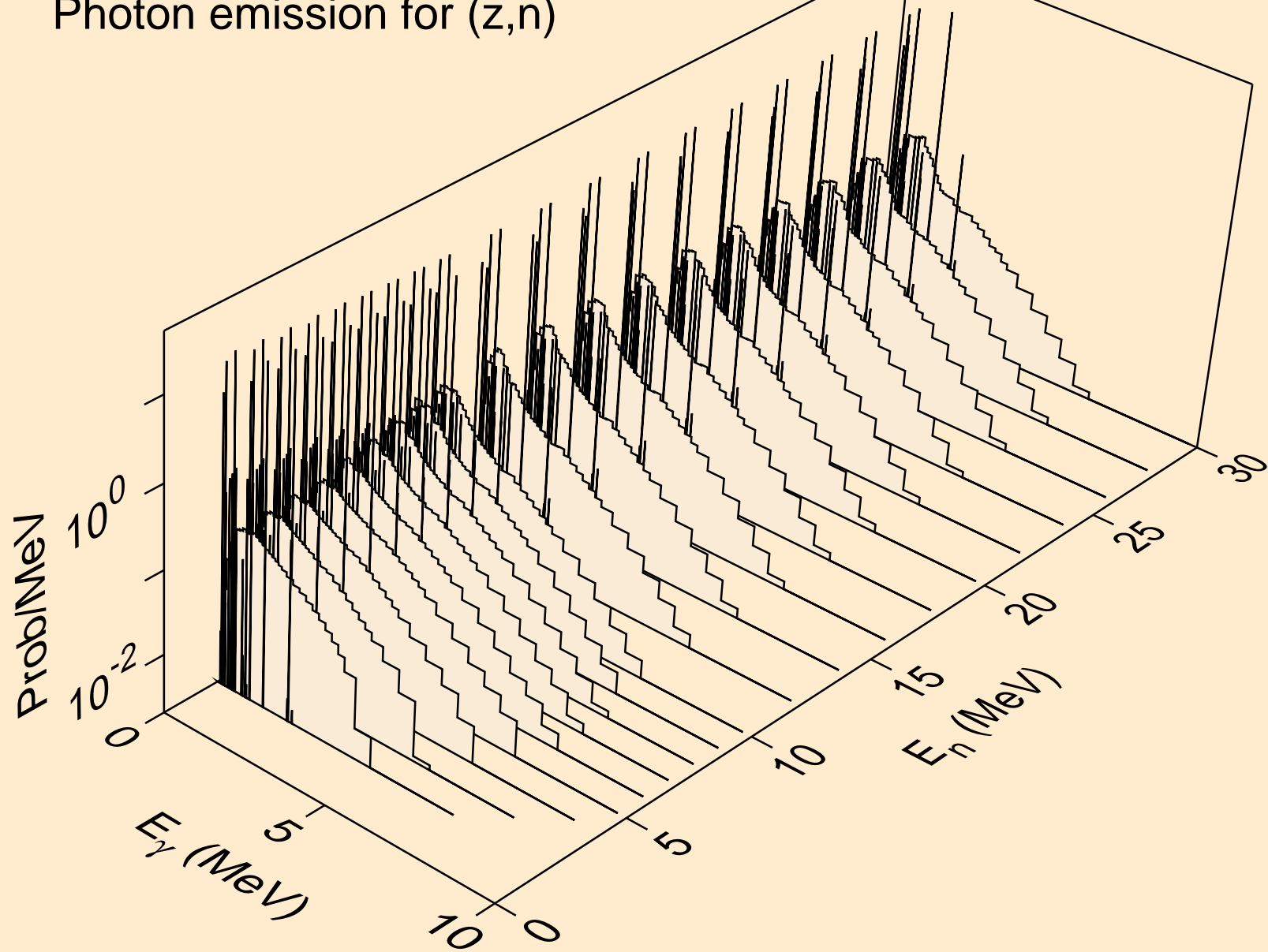
CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pd)



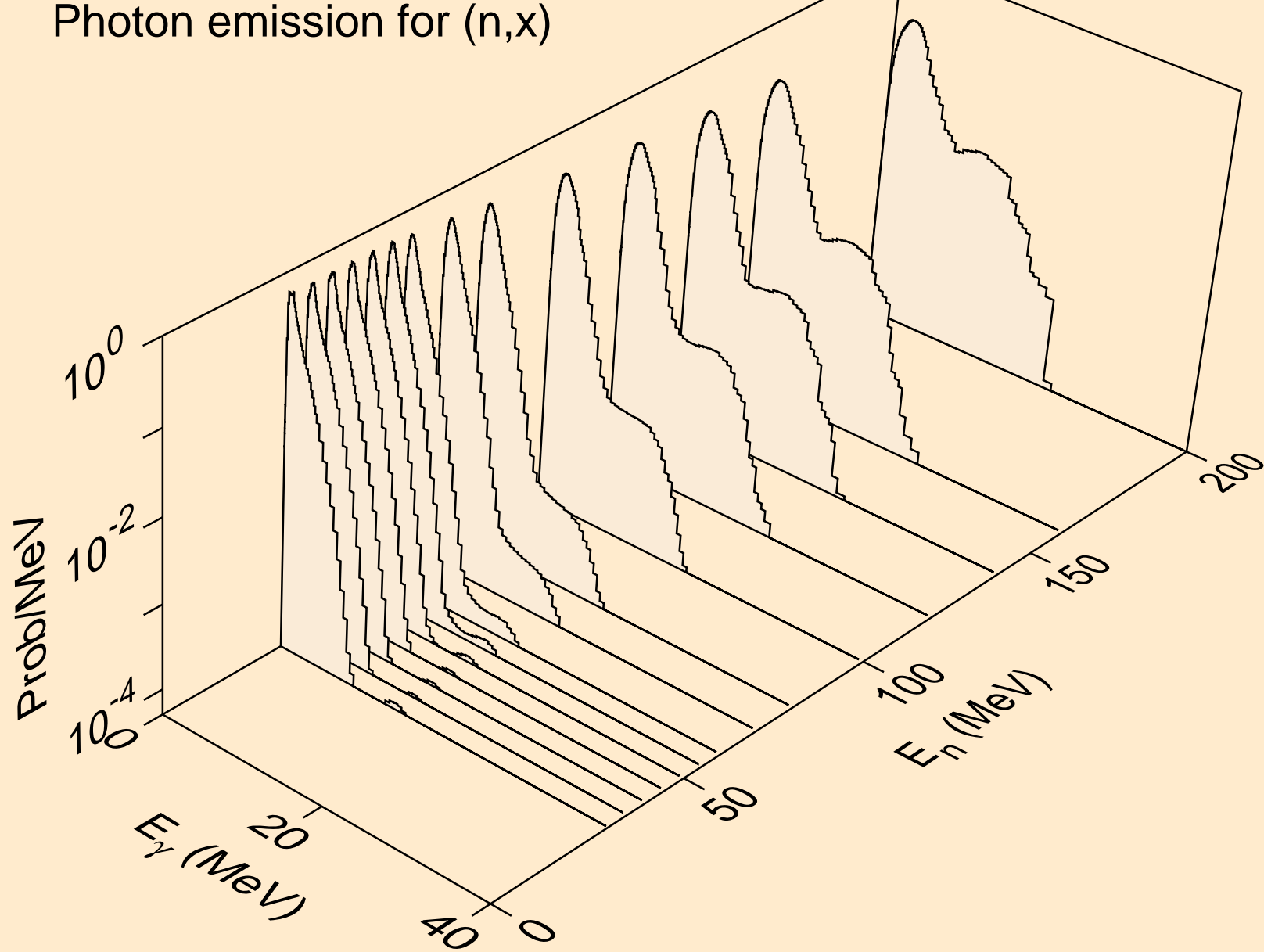
CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pt)



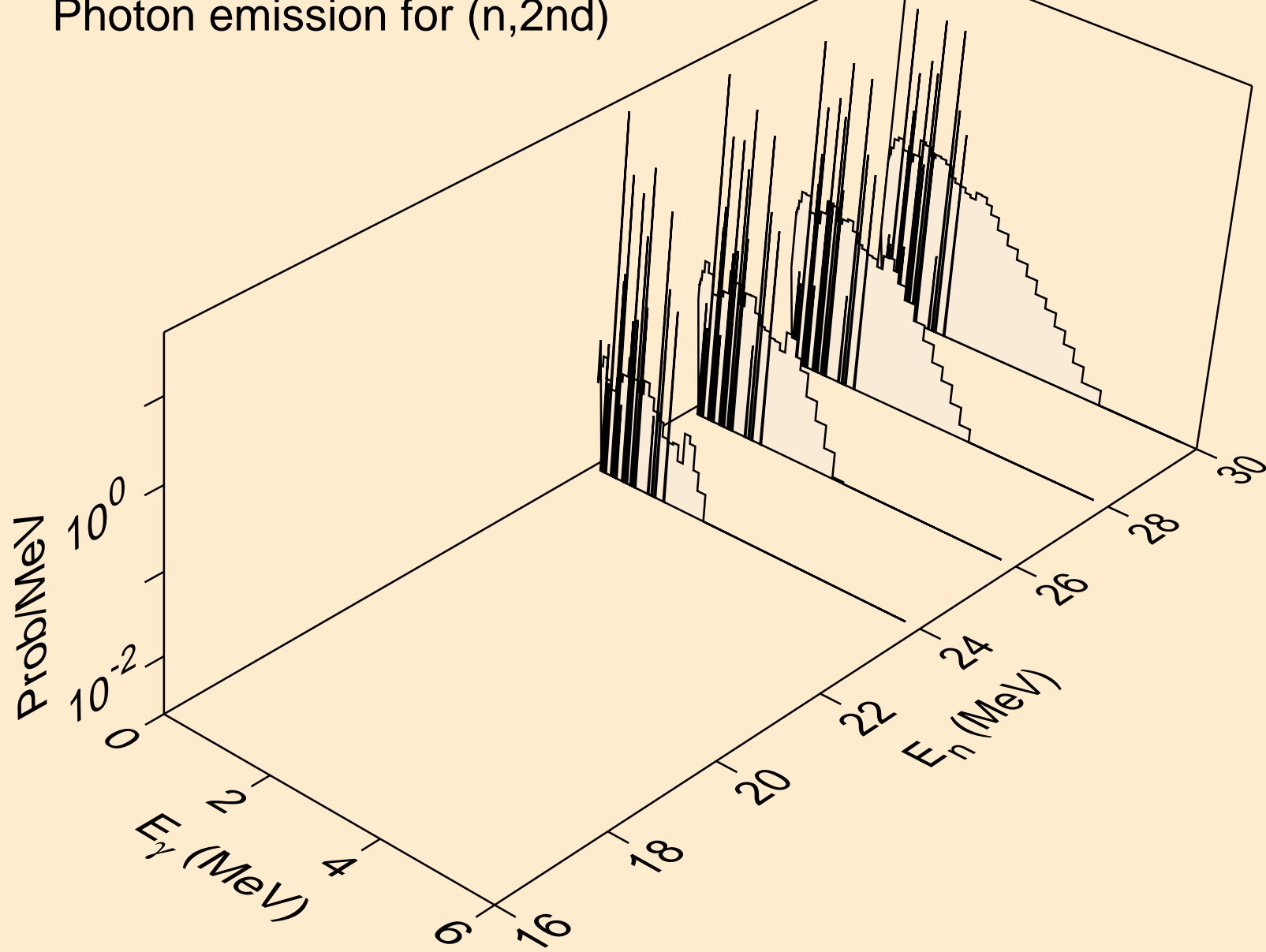
CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)



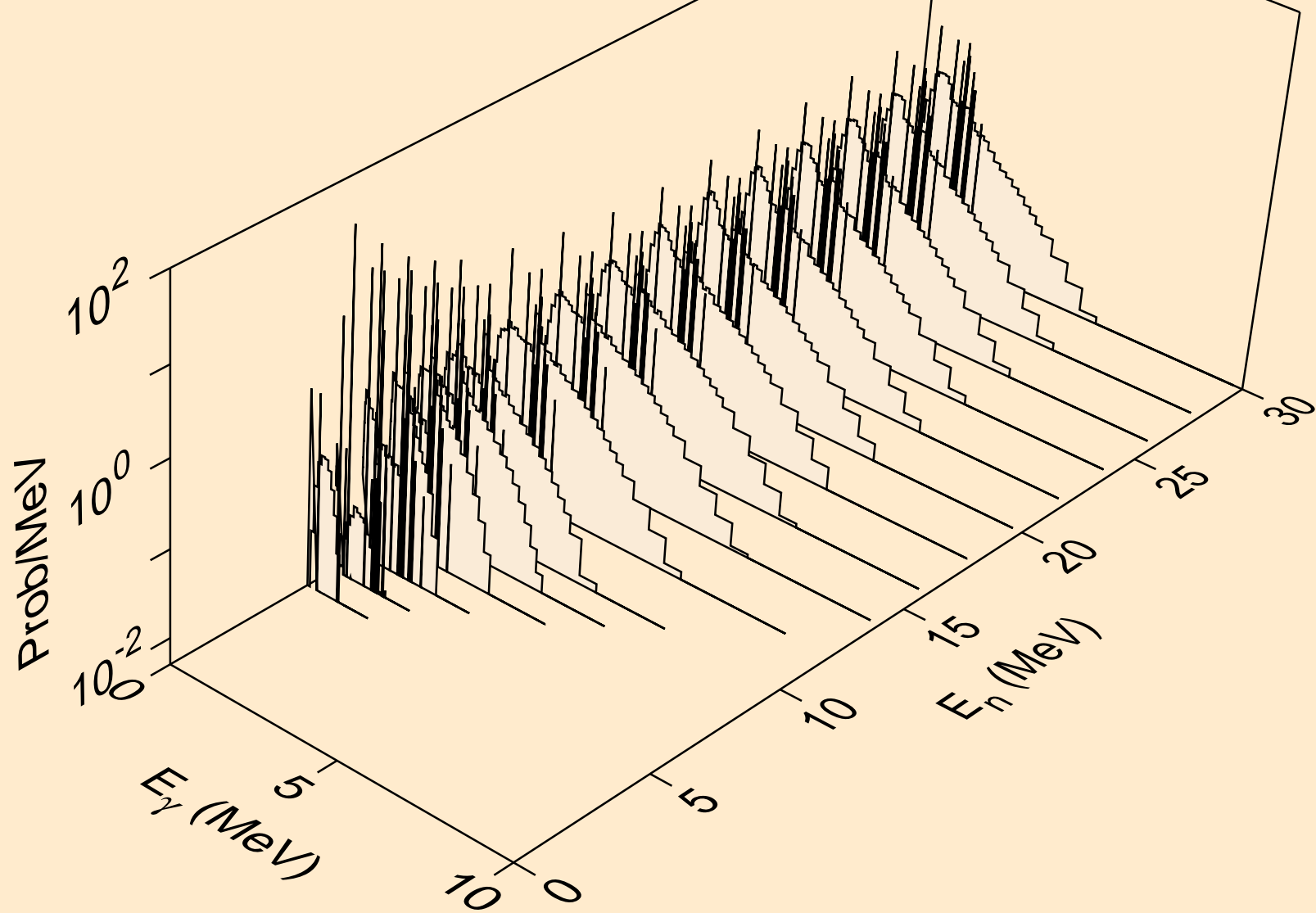
CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2nd)

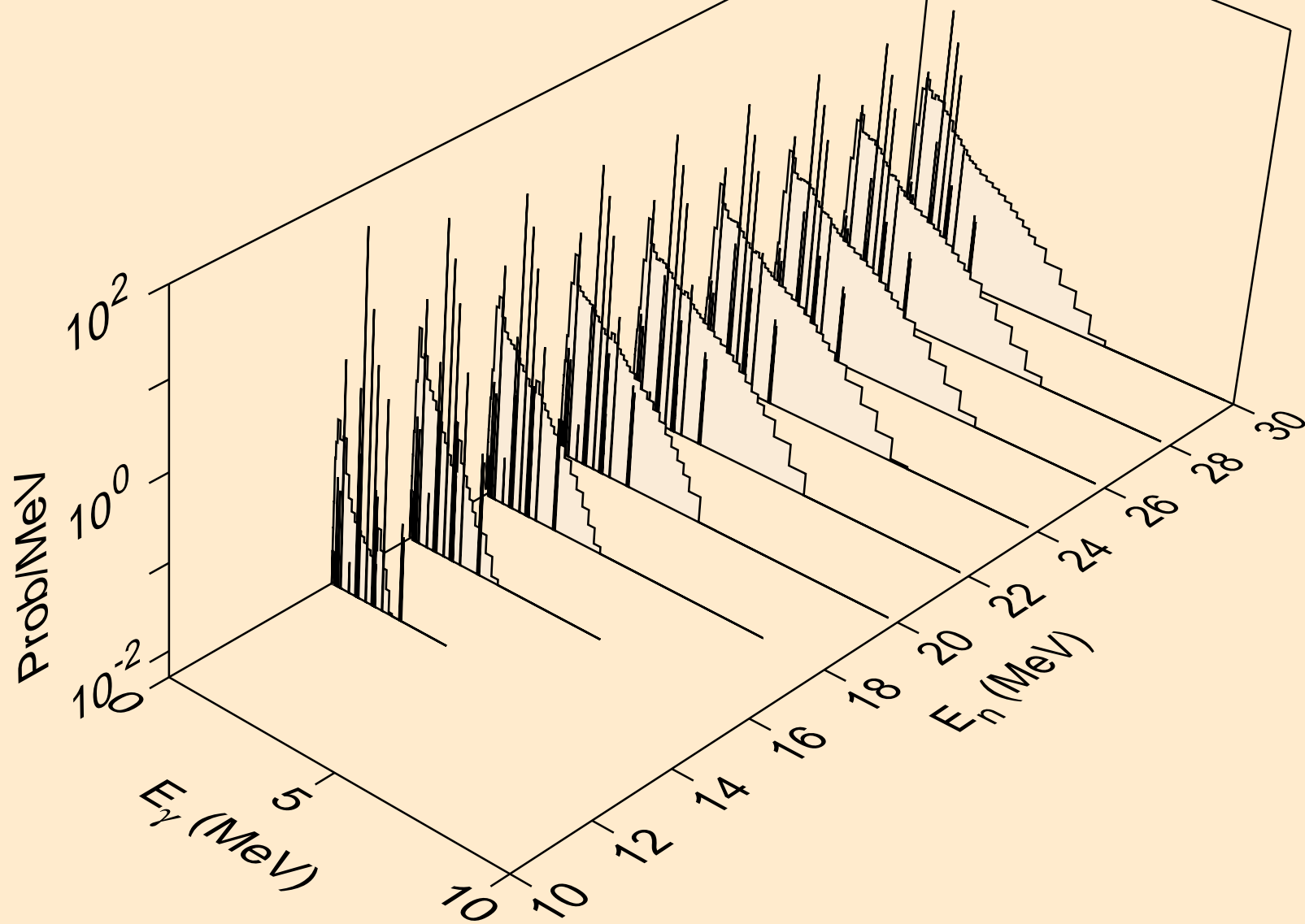


CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)

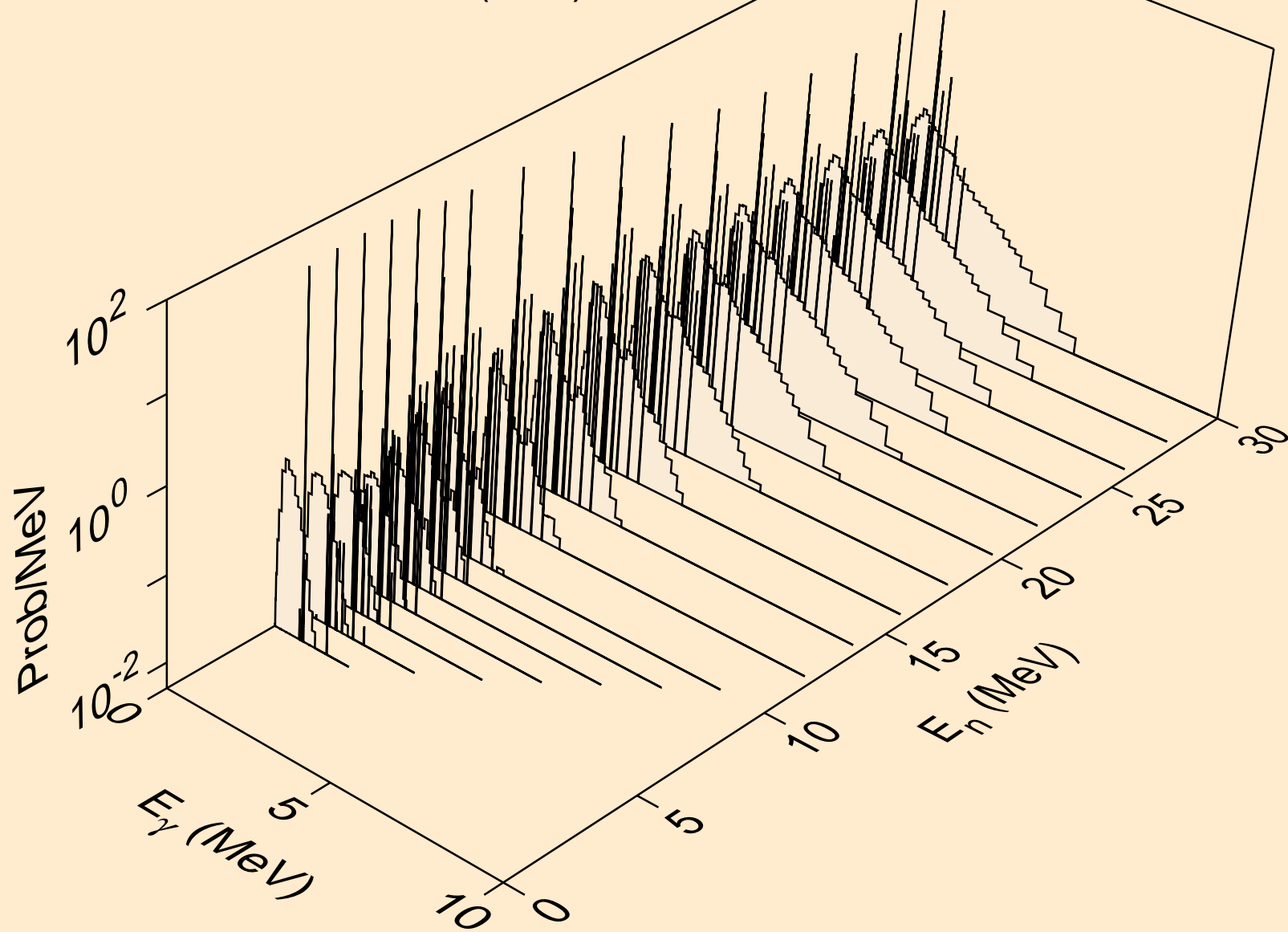




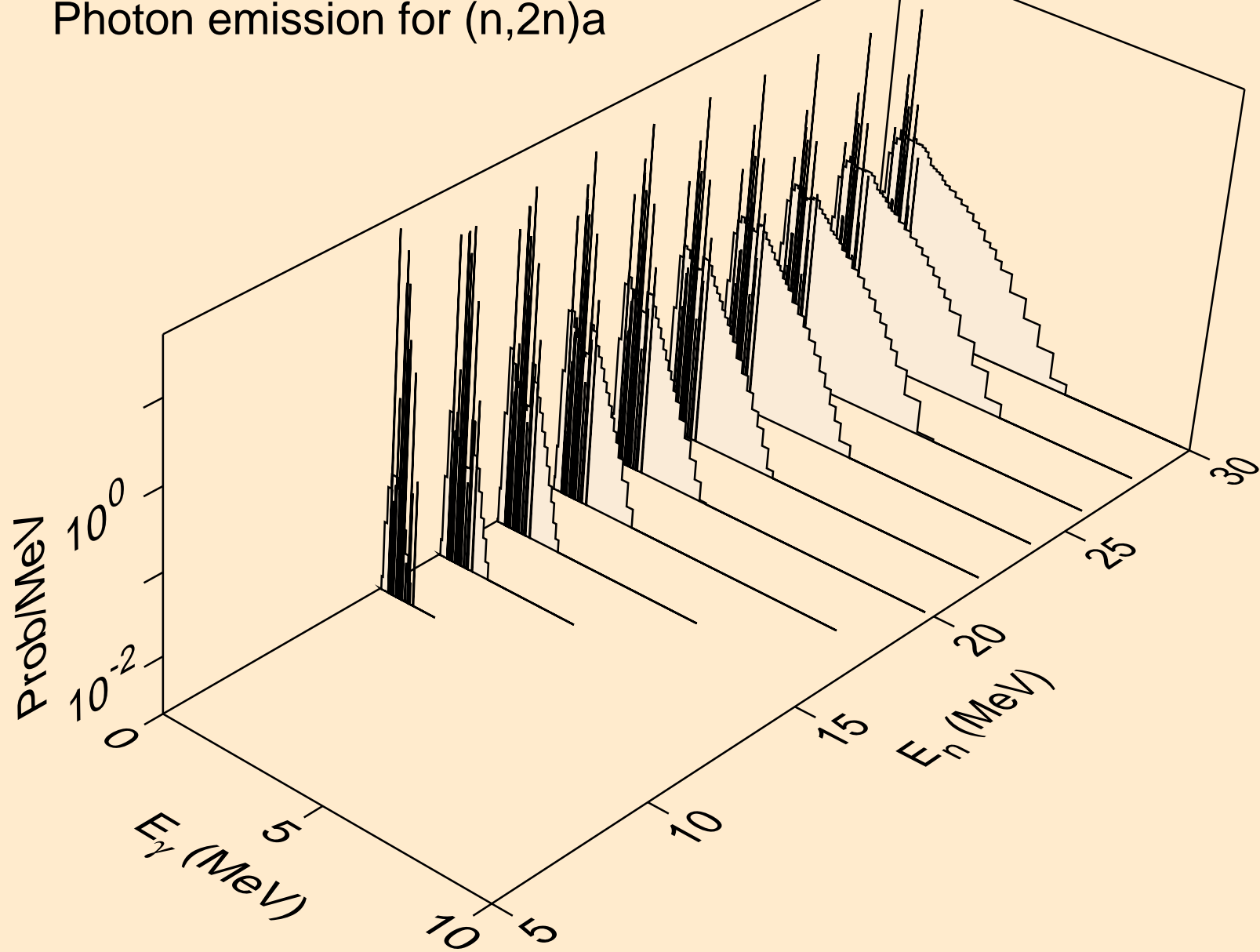
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Photon emission for (n,3n)



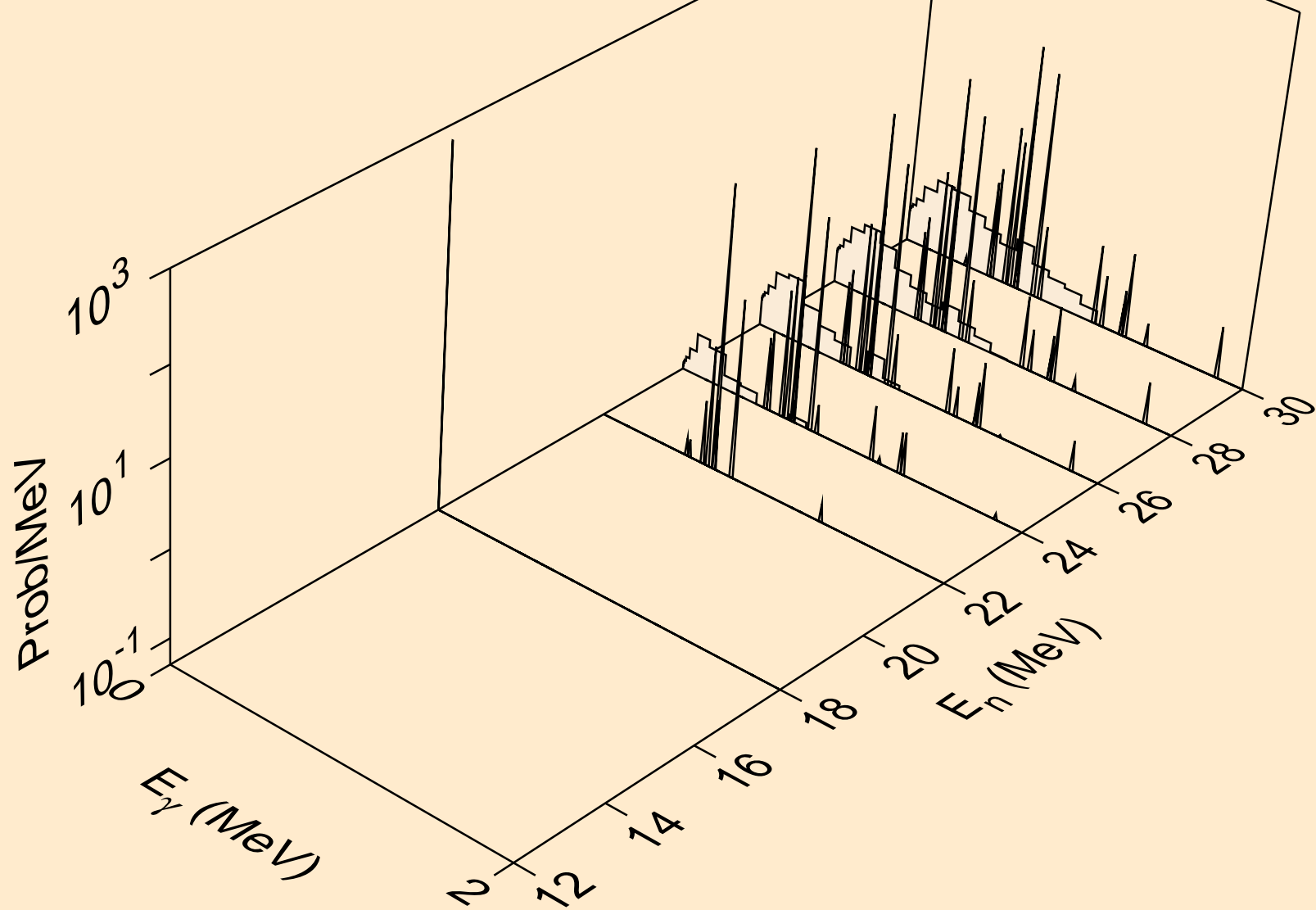
CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



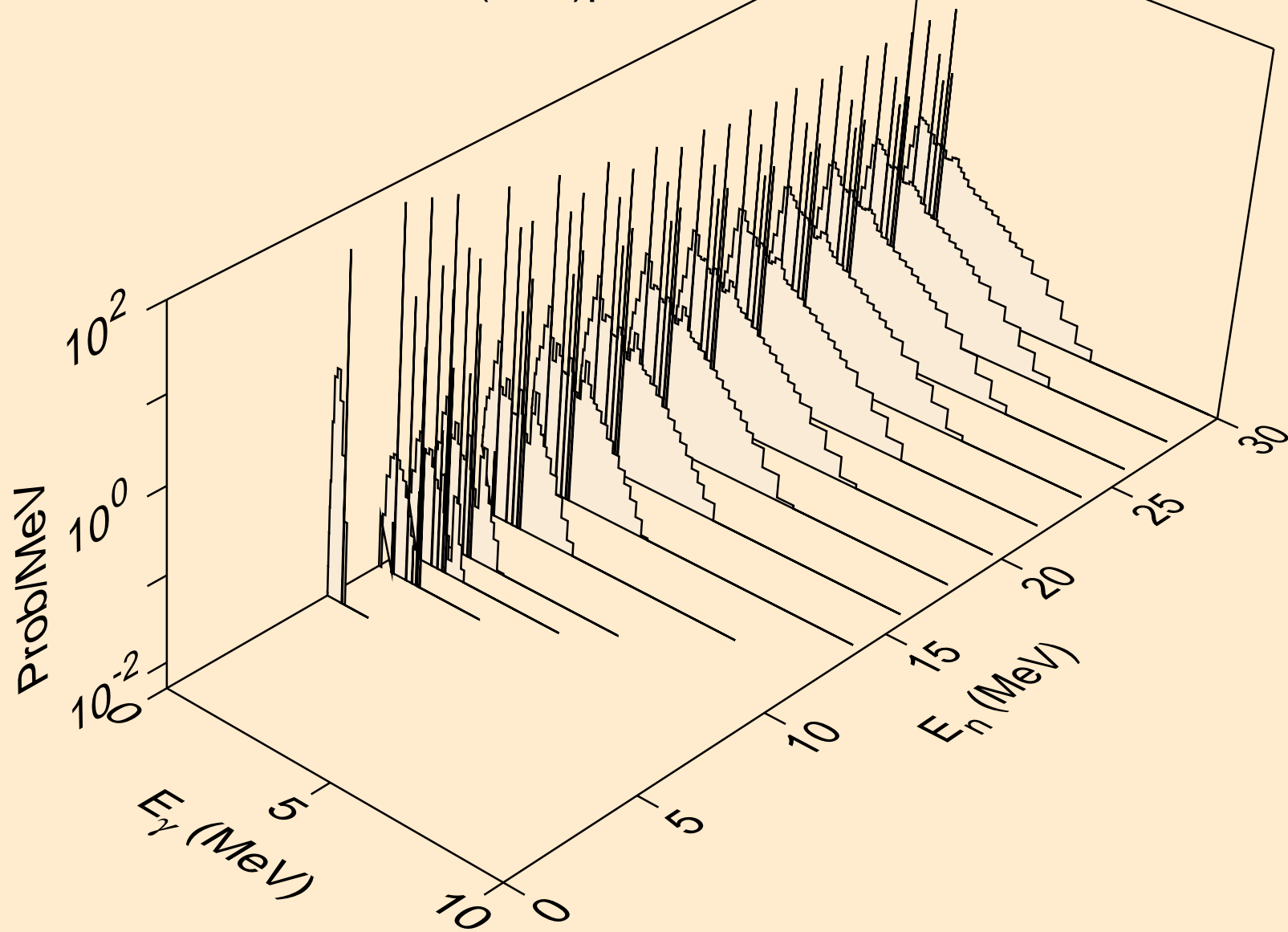
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Photon emission for (n,2n)a



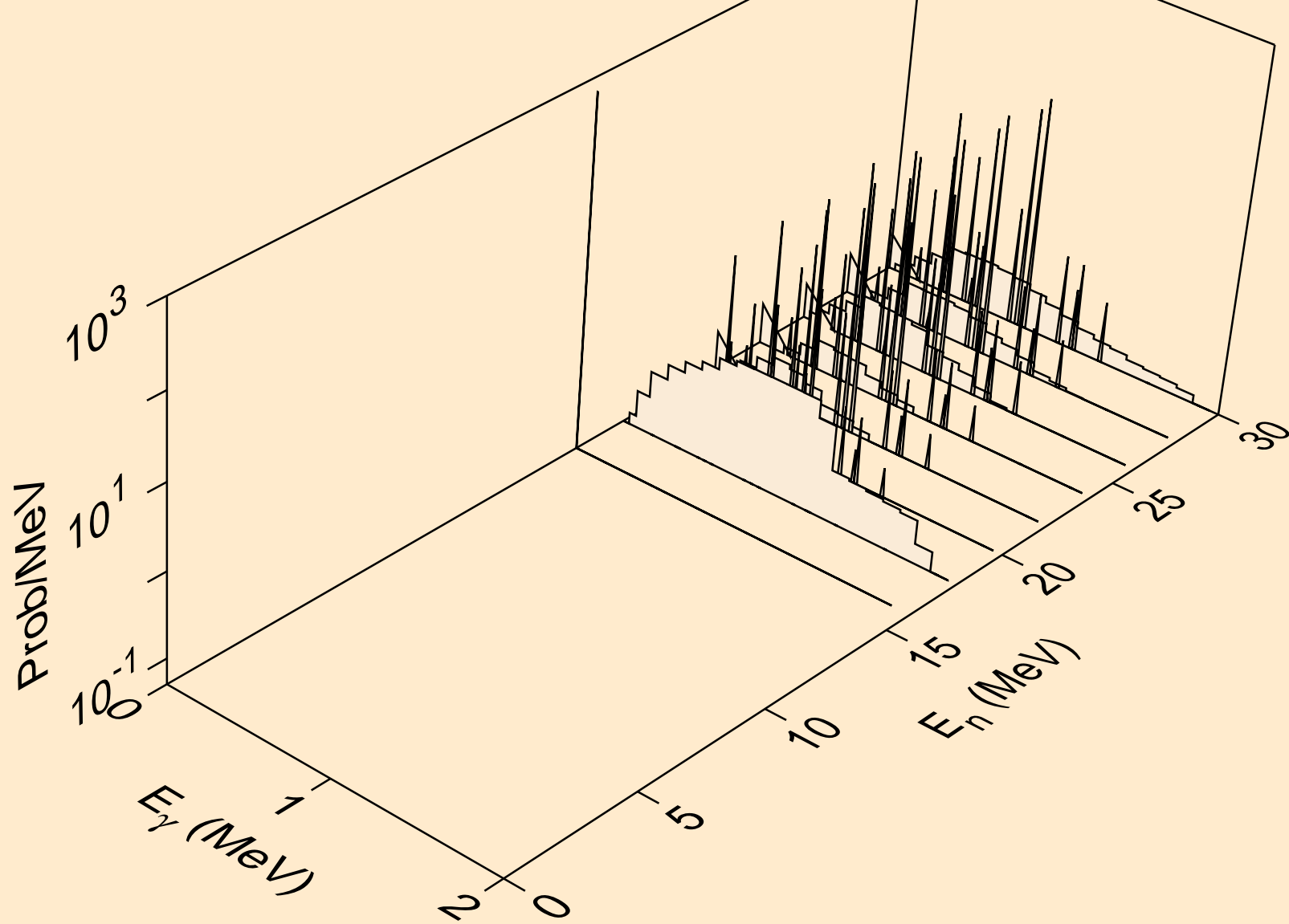
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Photon emission for (n,3n)a



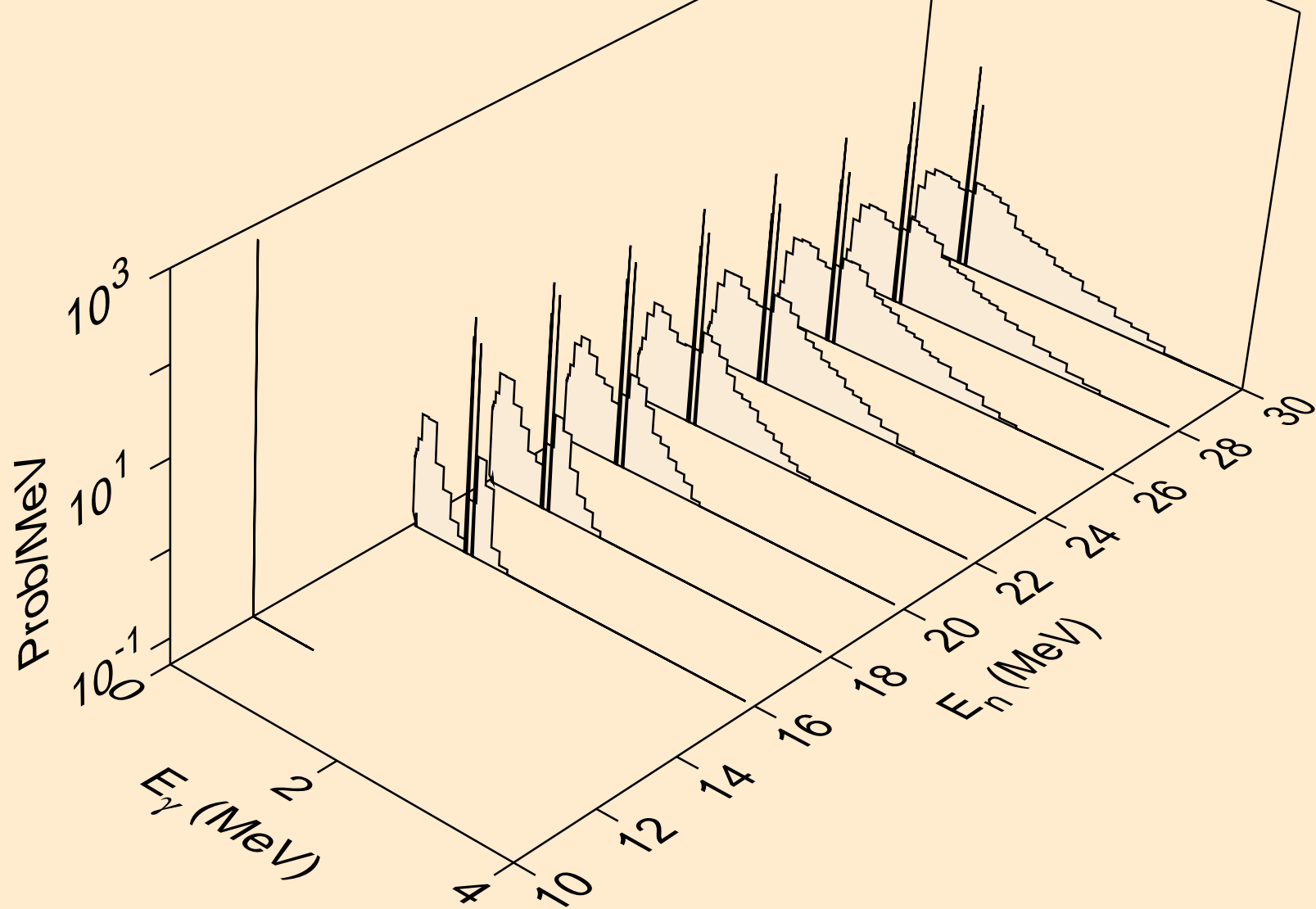
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Photon emission for (n,n\*)p



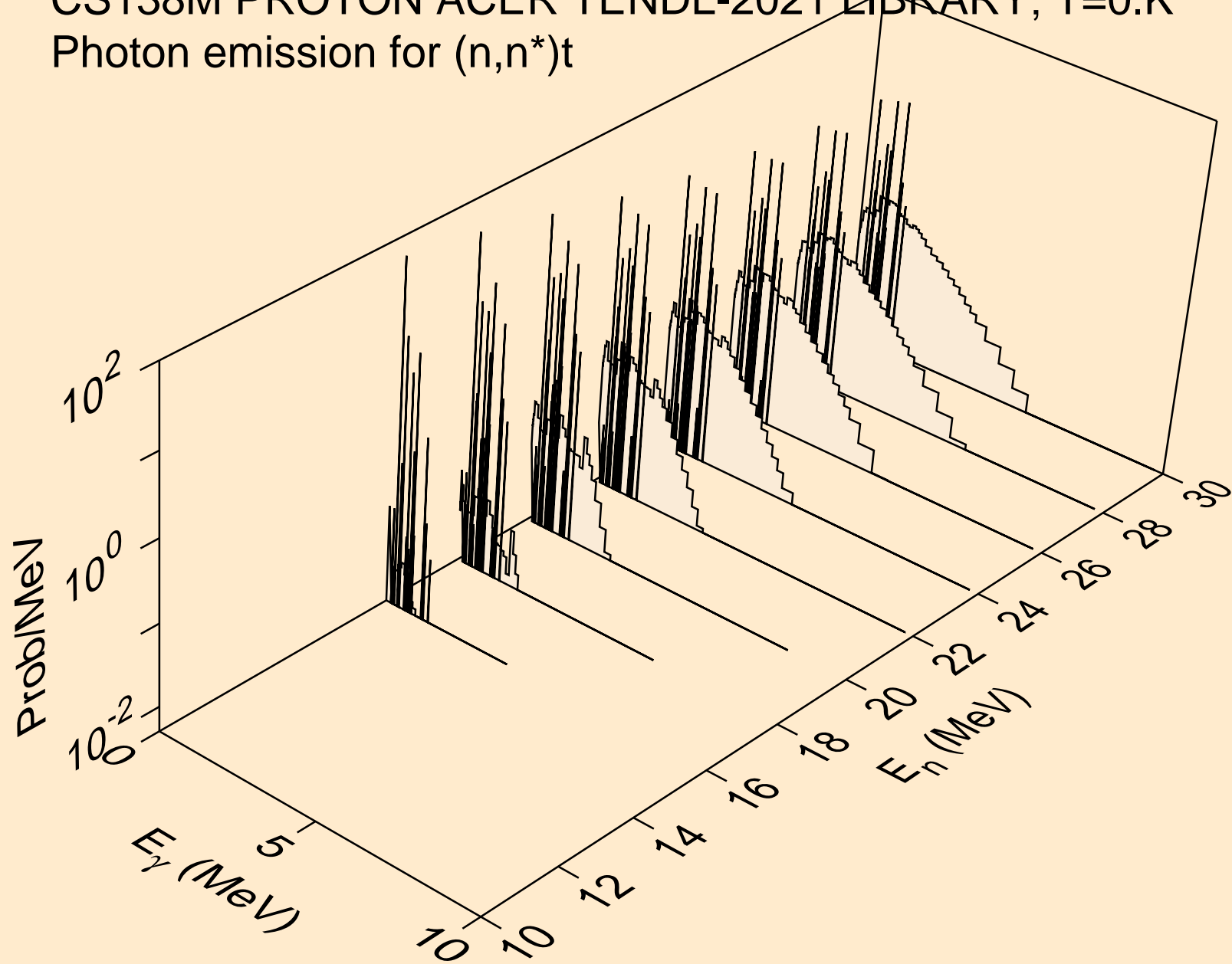
CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

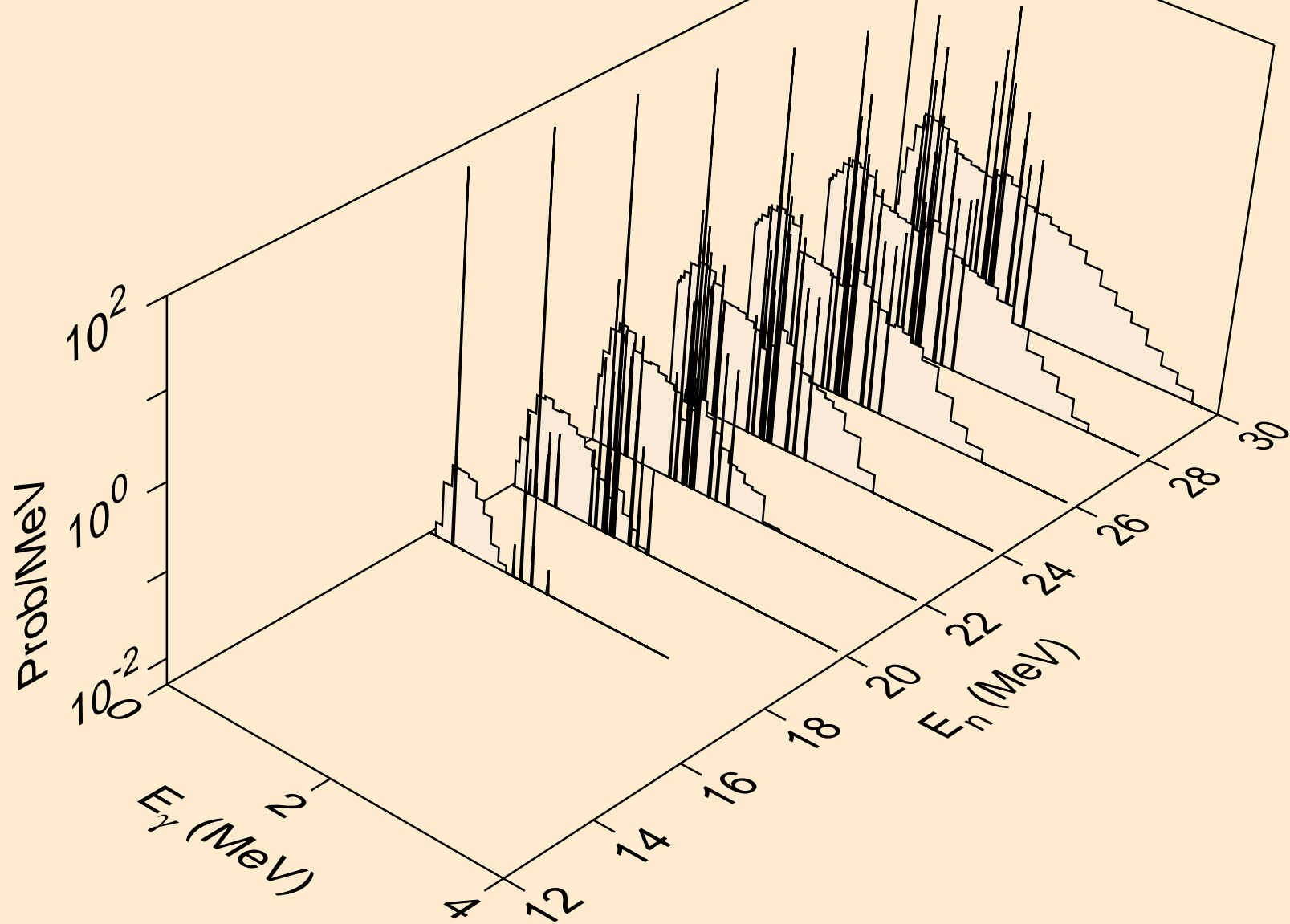


CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

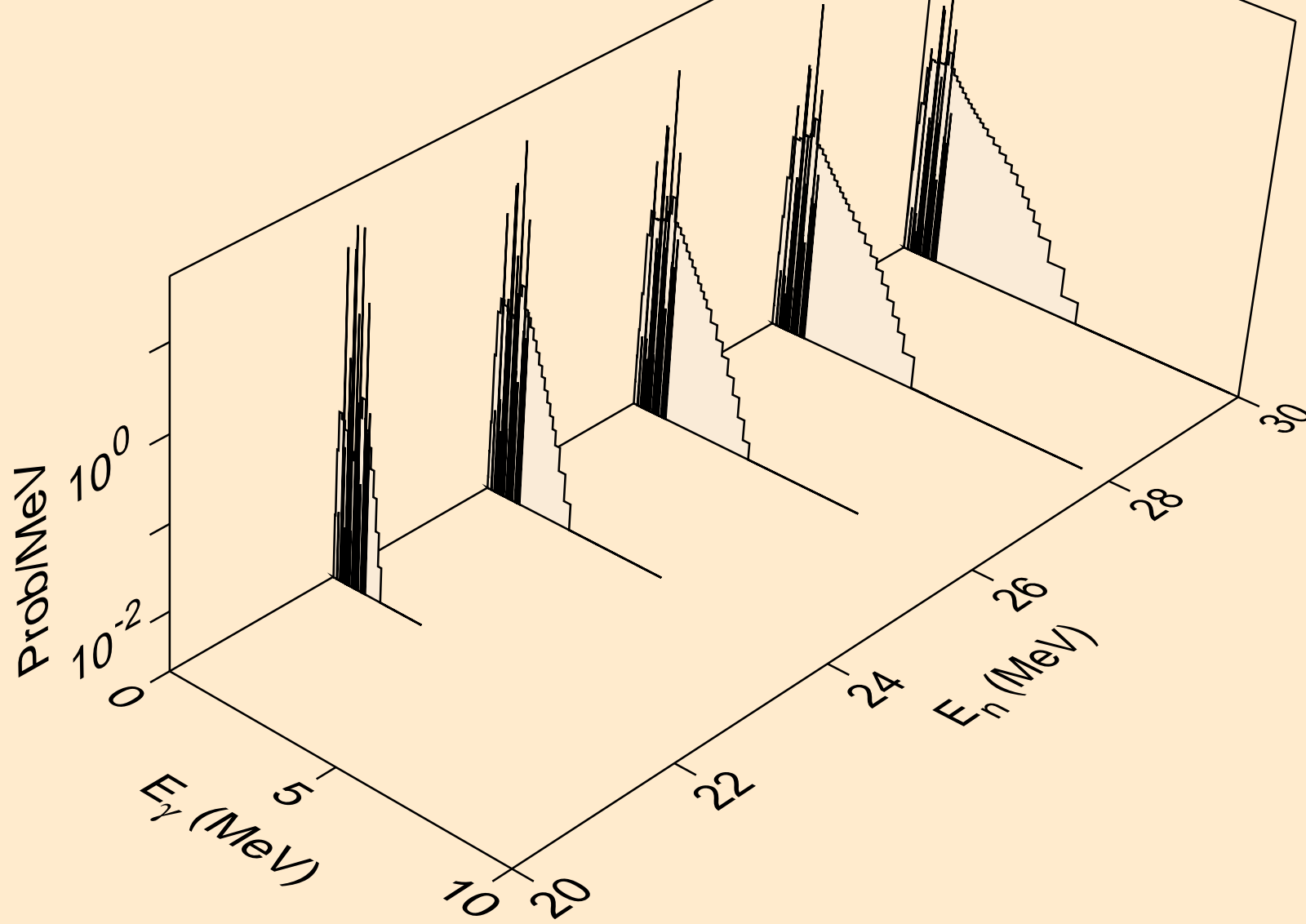




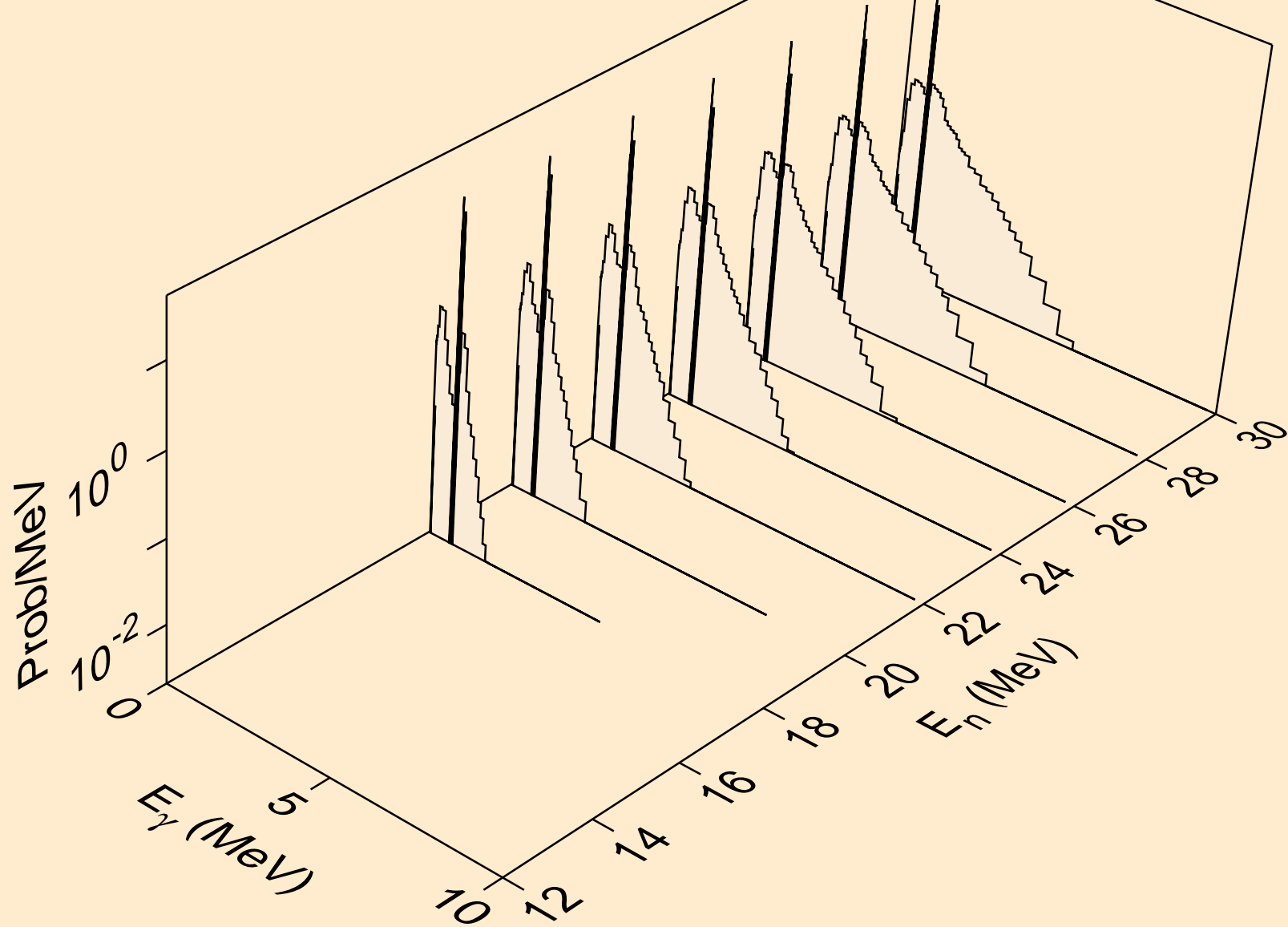
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Photon emission for (n,n\*)he3



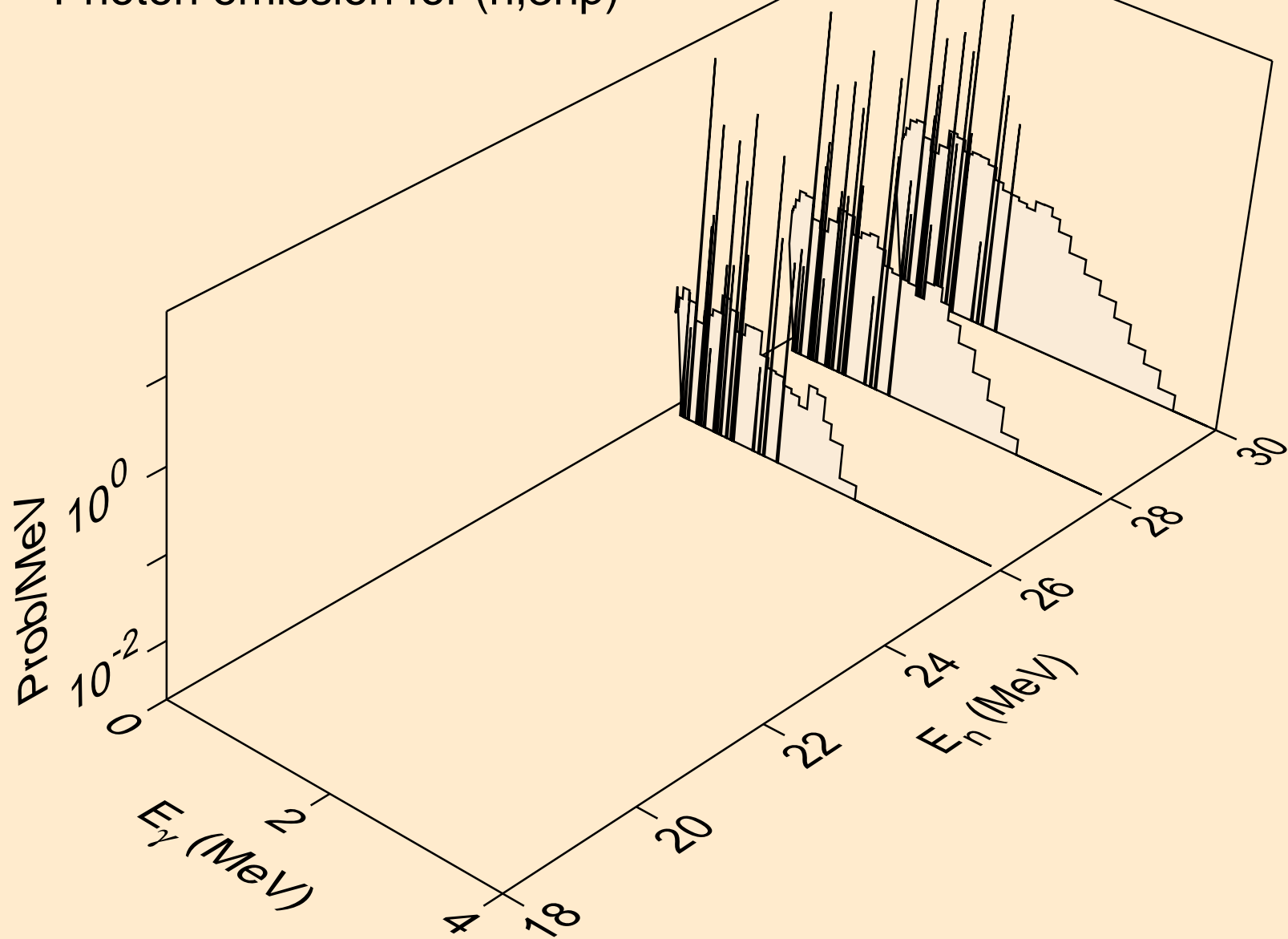
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Photon emission for (n,4n)



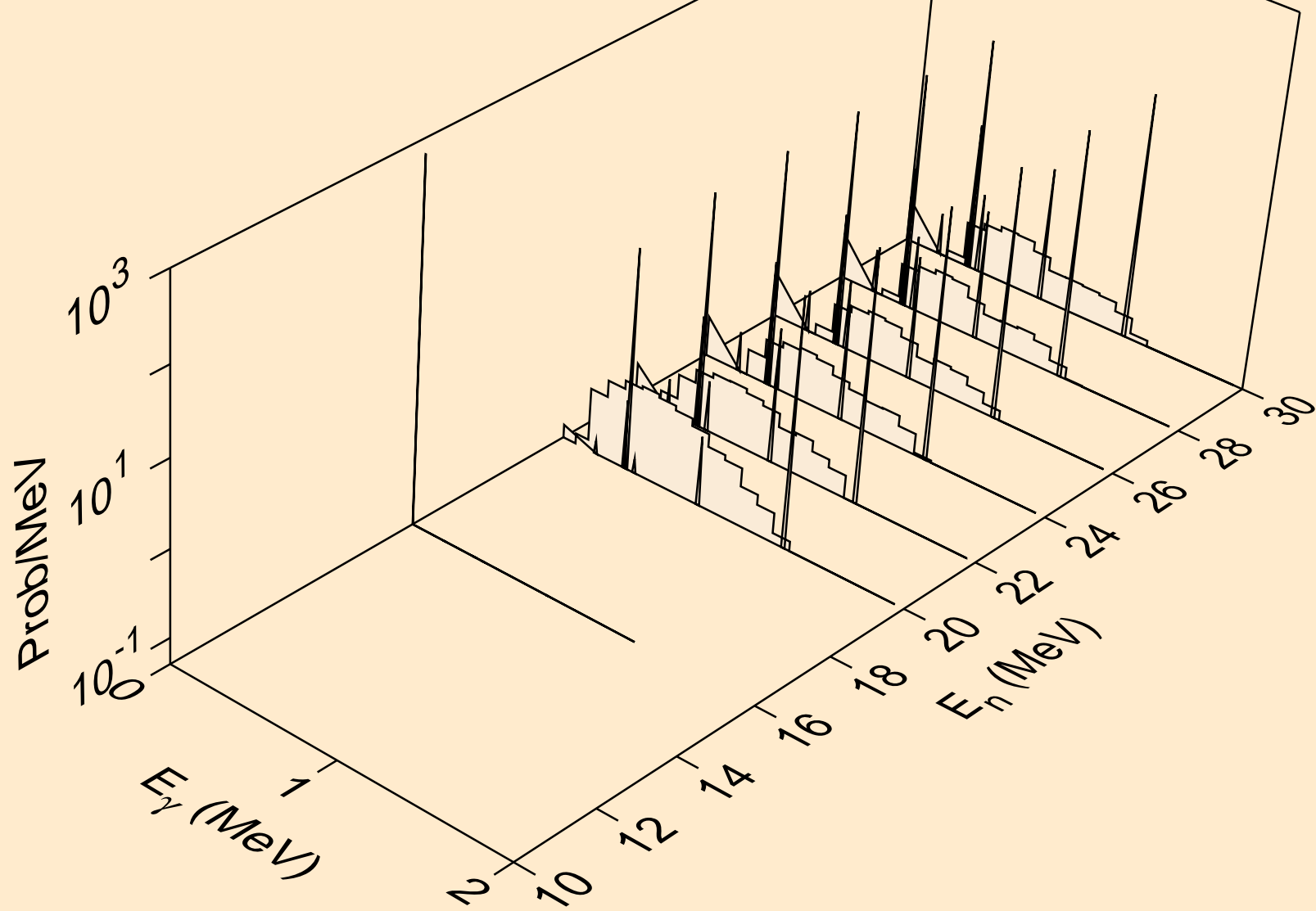
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Photon emission for (n,2np)



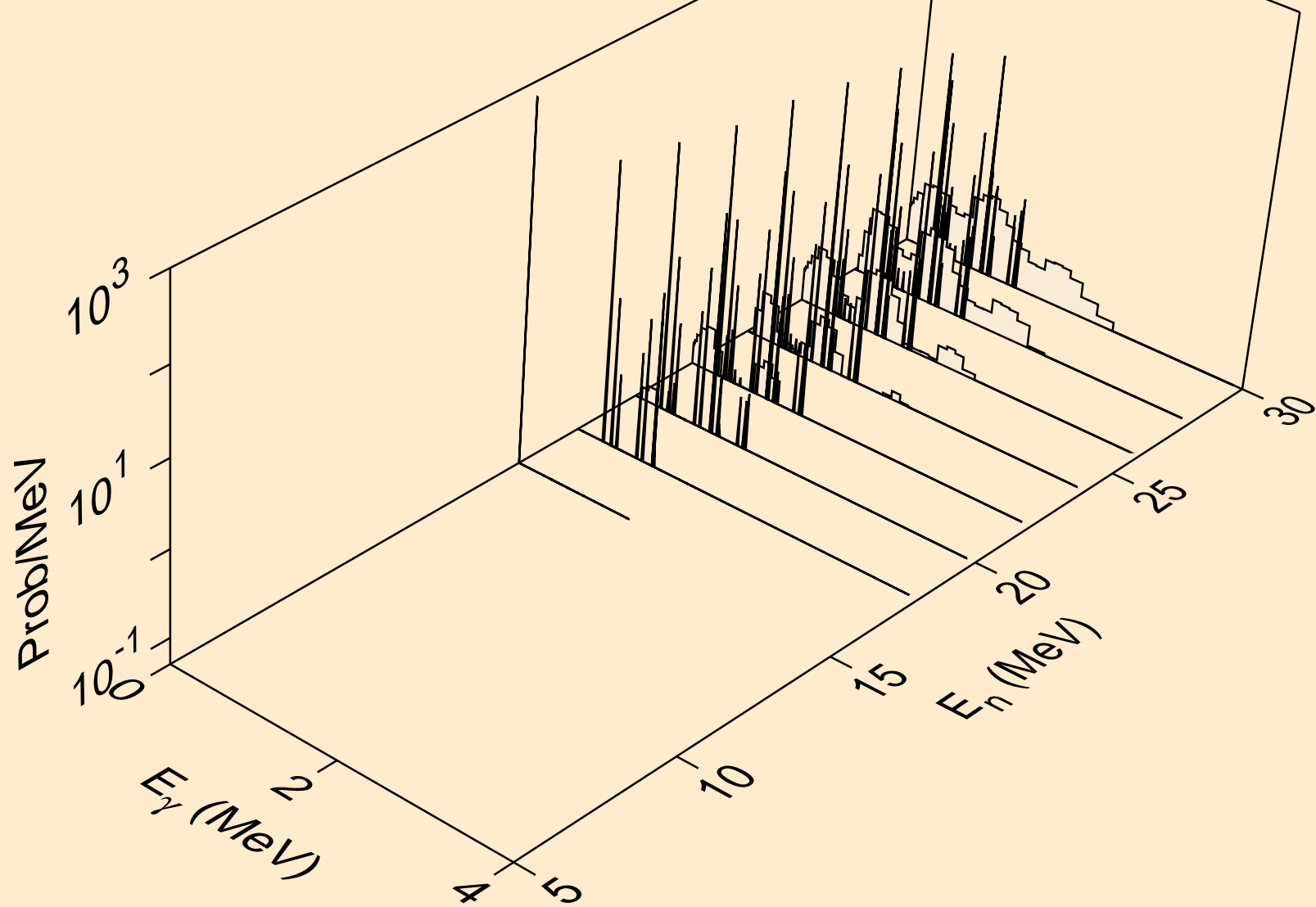
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Photon emission for (n,3np)



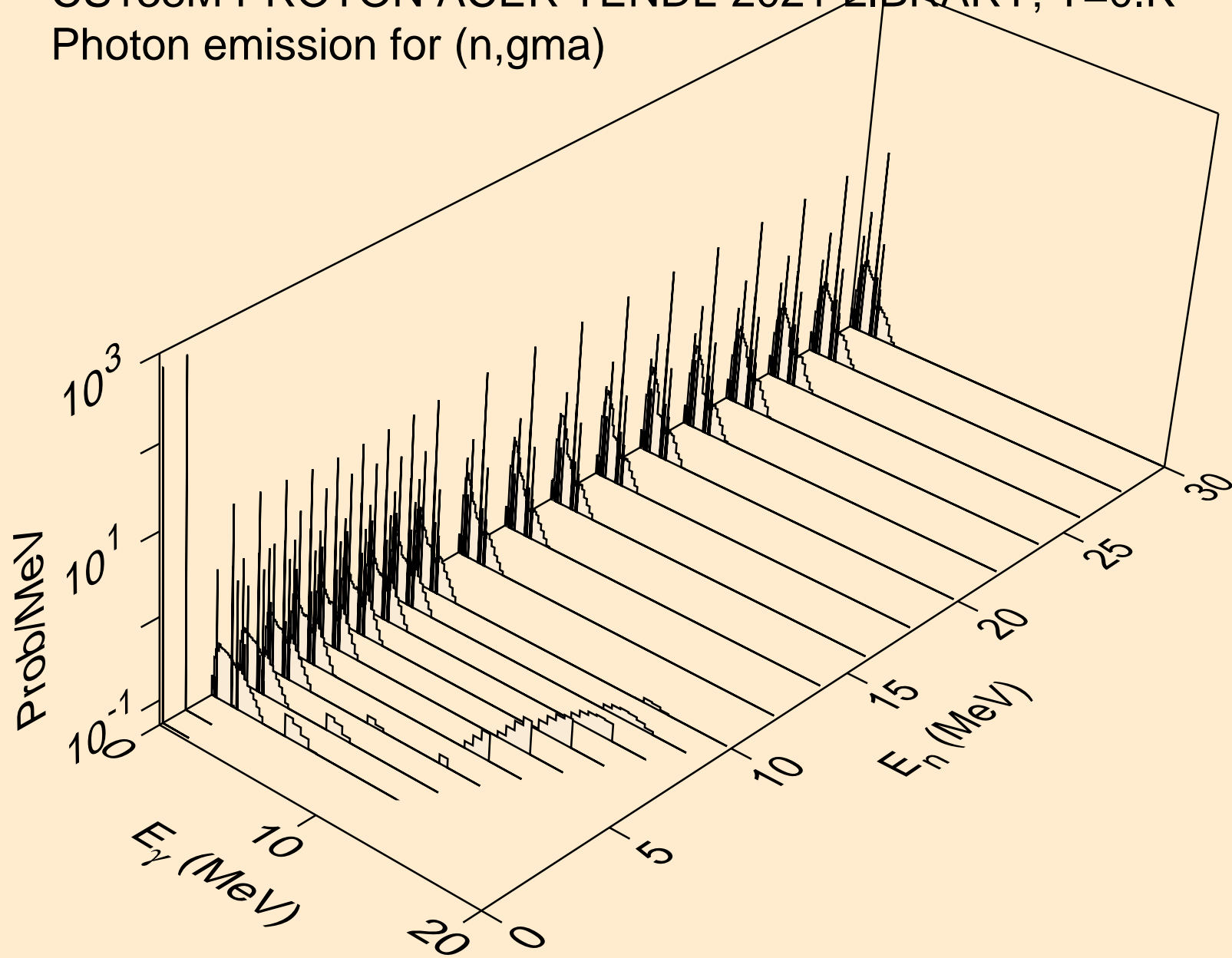
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Photon emission for (n,2np)



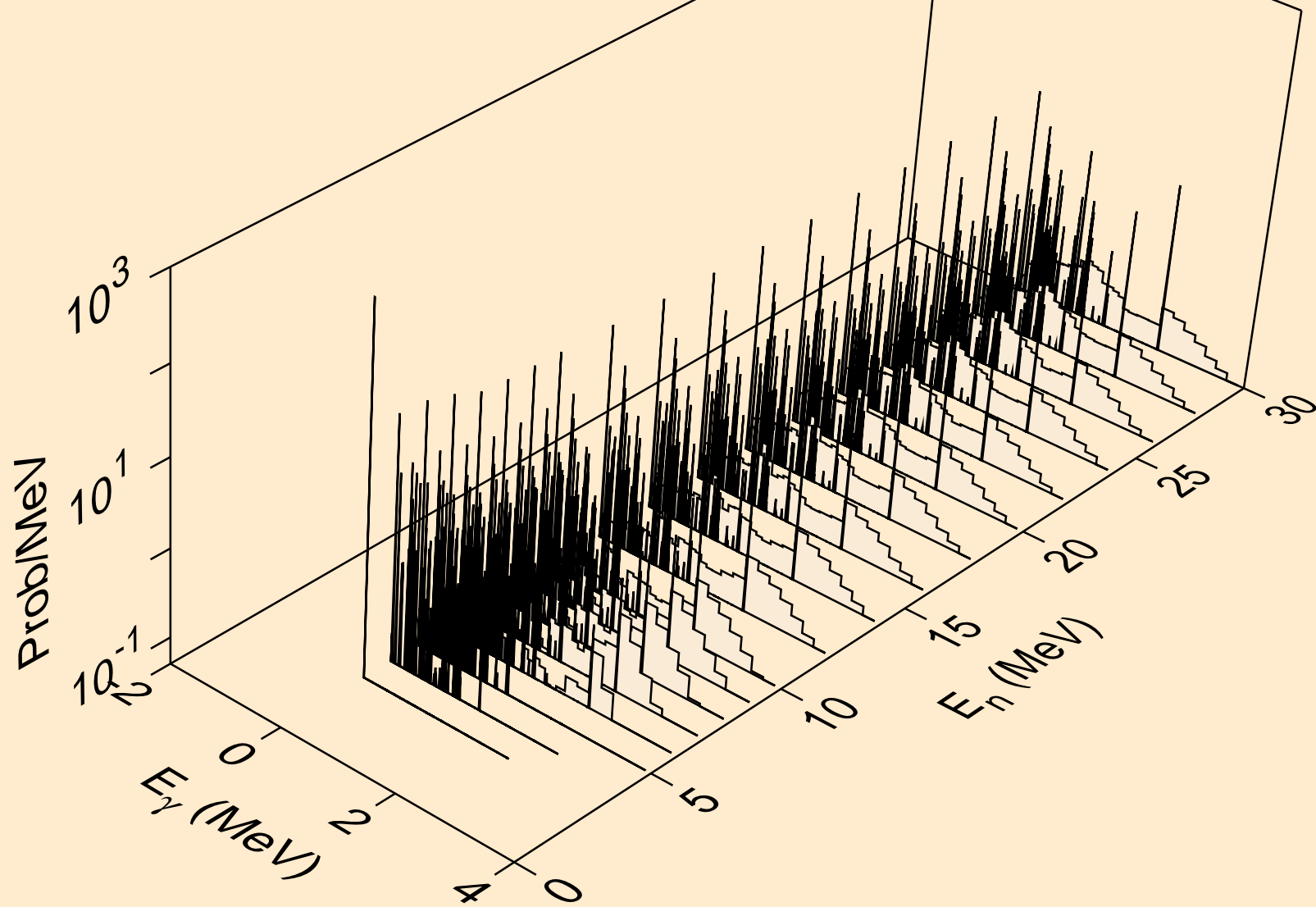
CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,npa)



CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,gma)

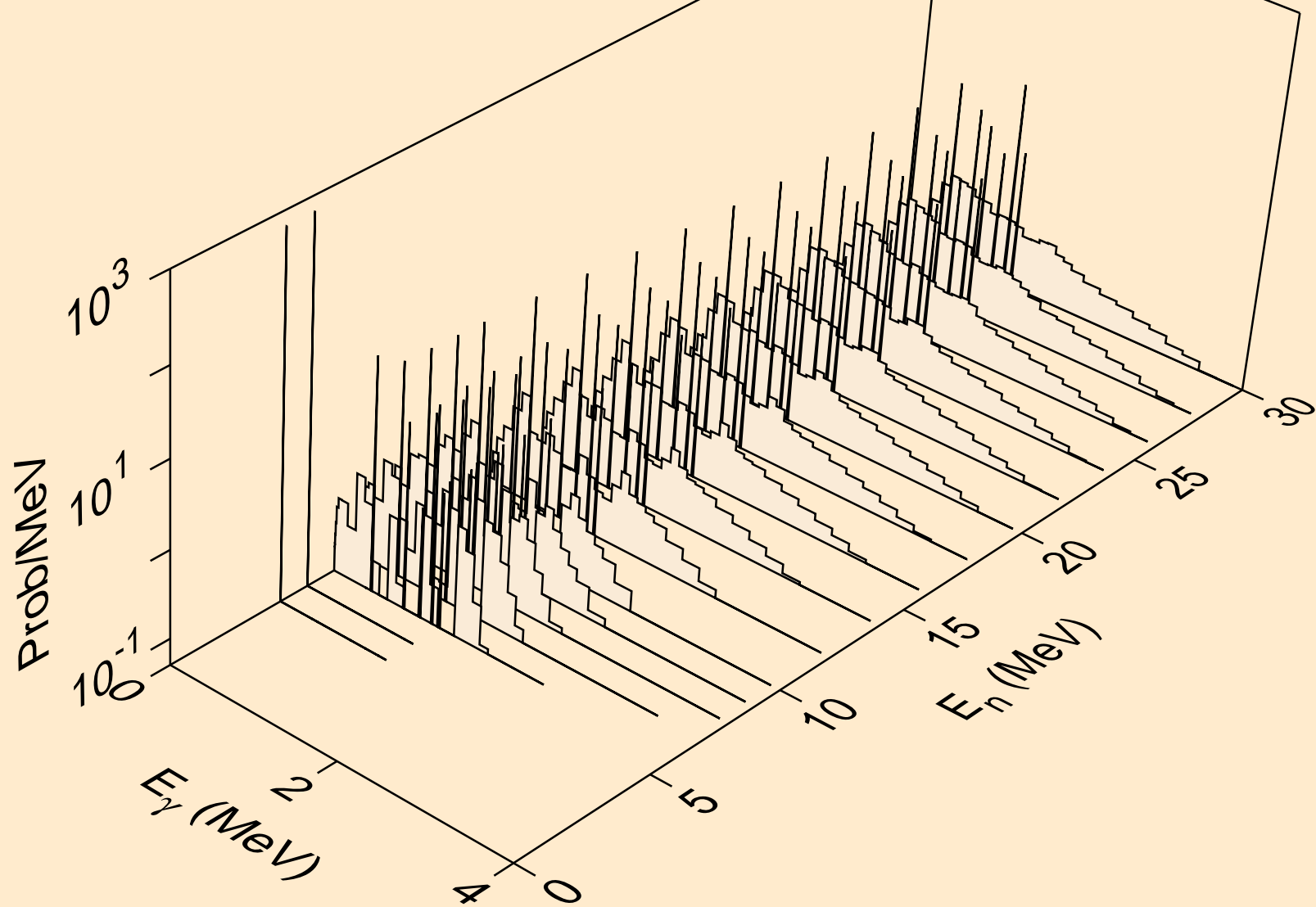


CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic

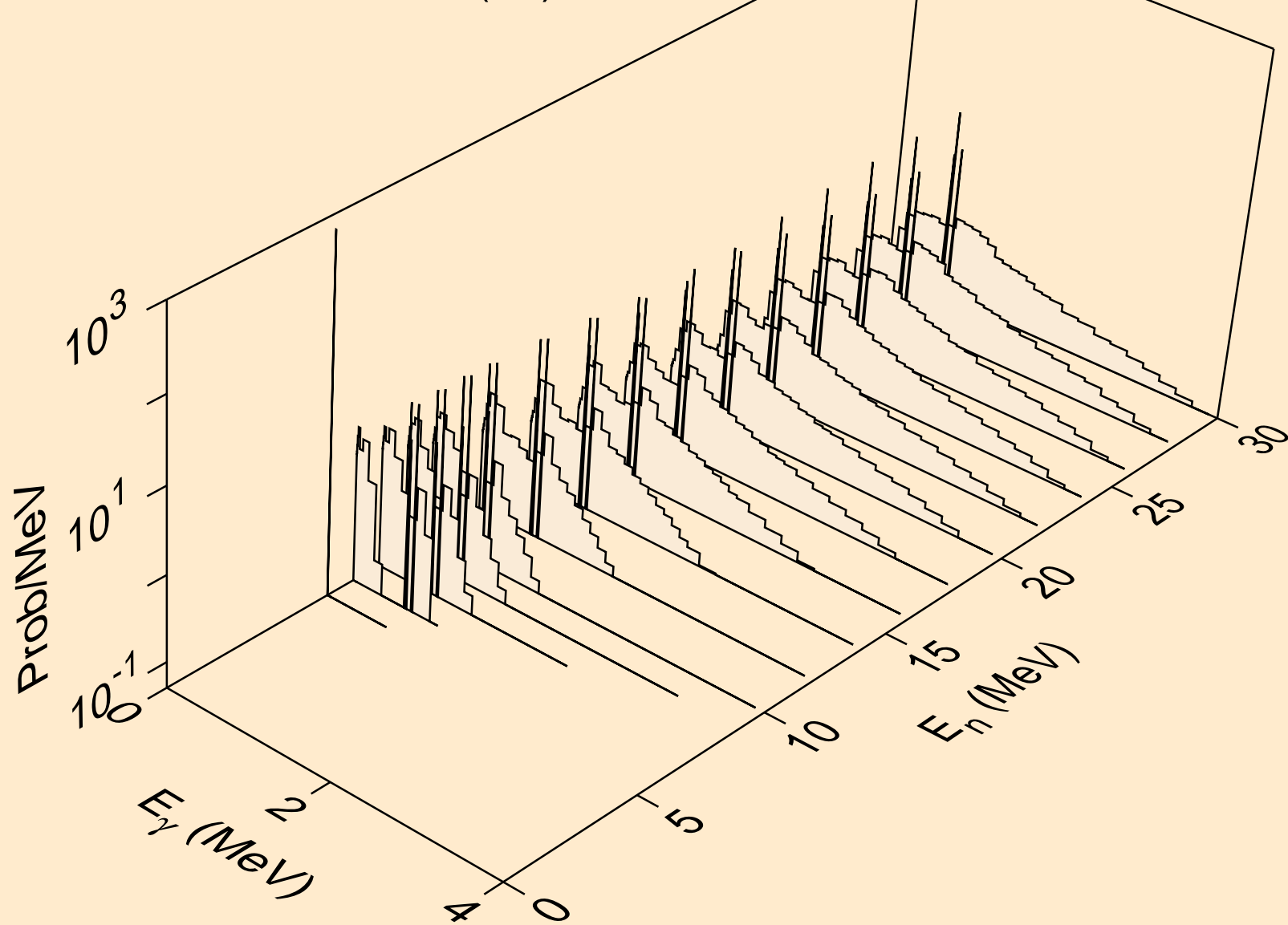




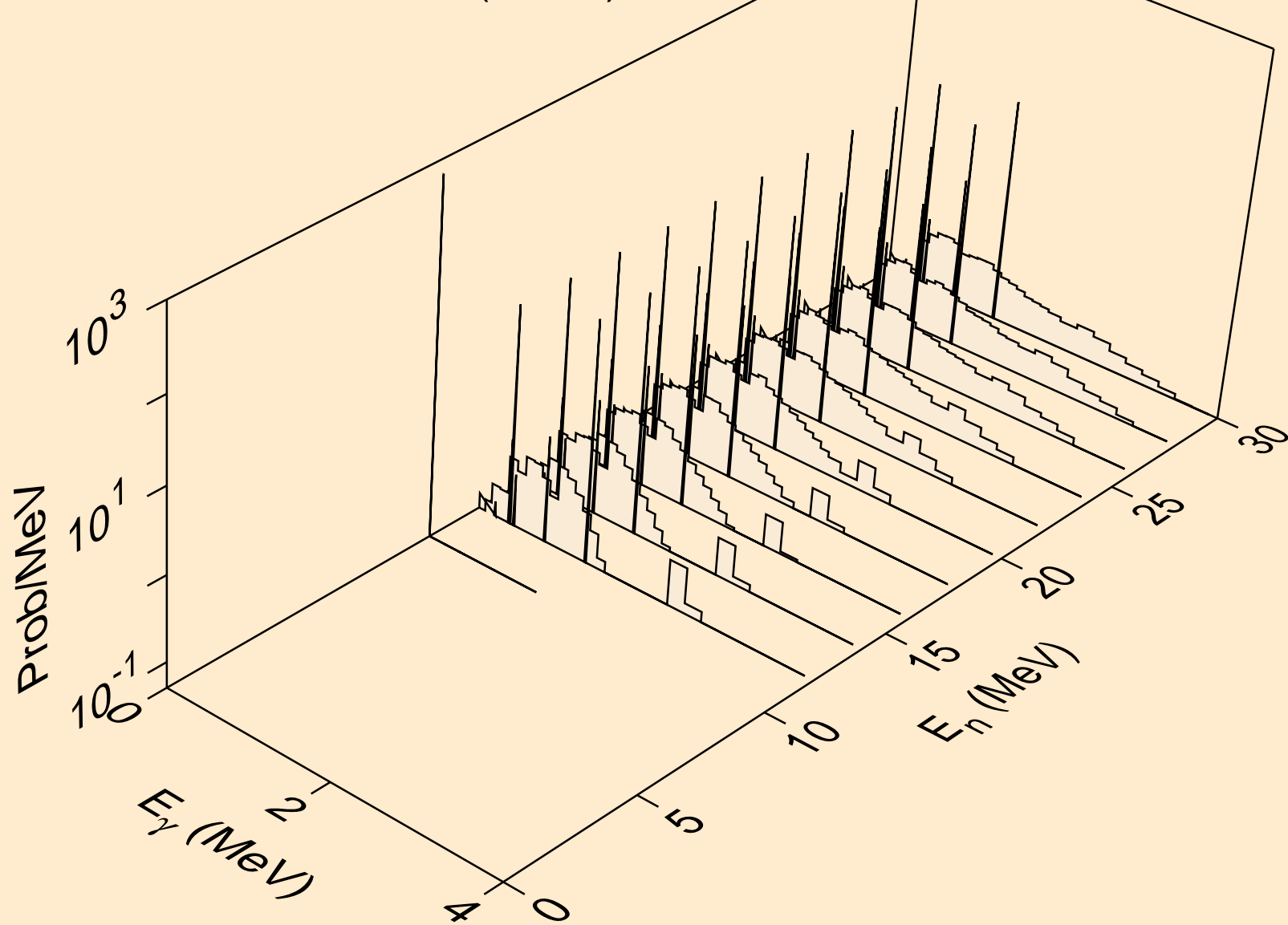
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Photon emission for (n,d)



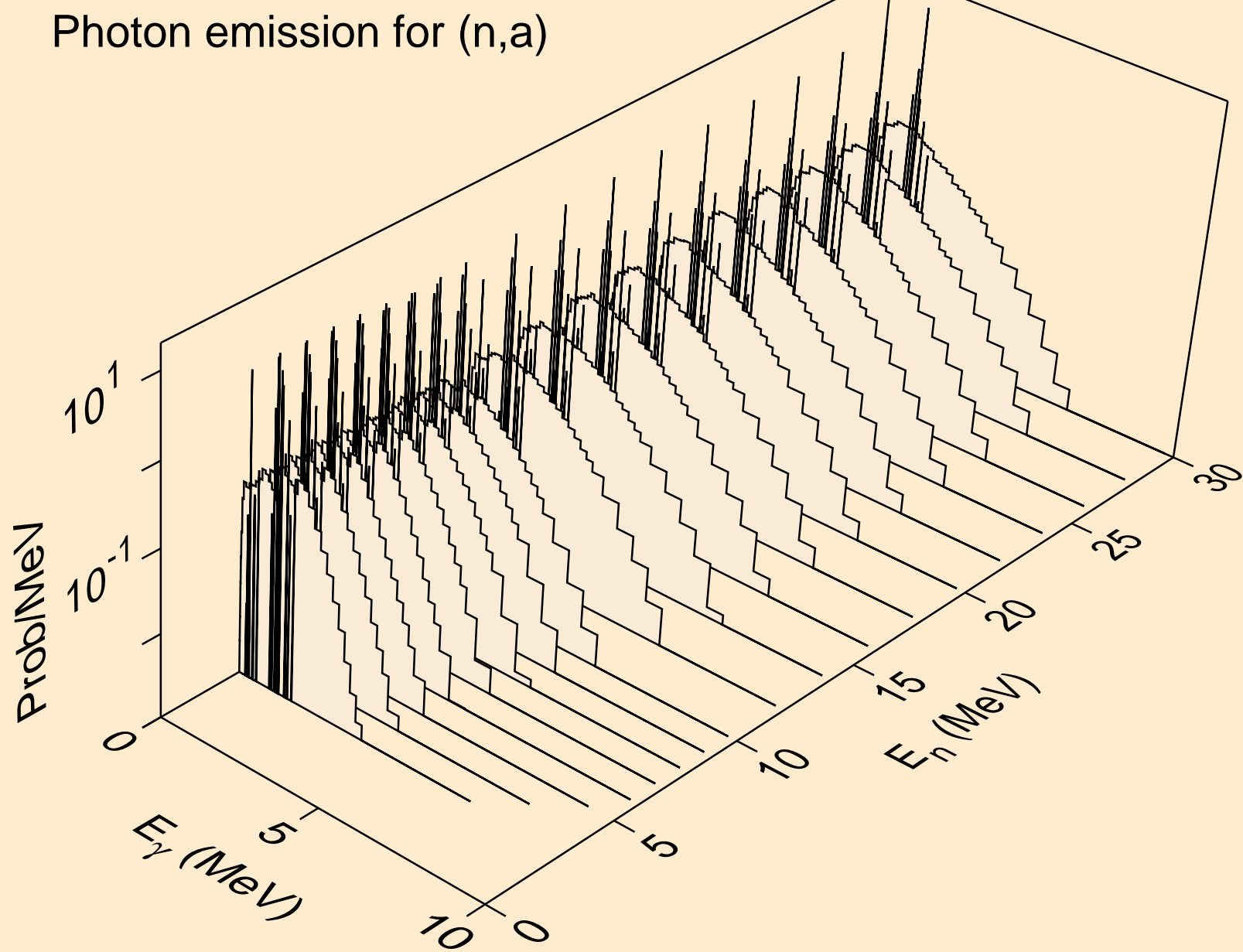
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Photon emission for (n,t)



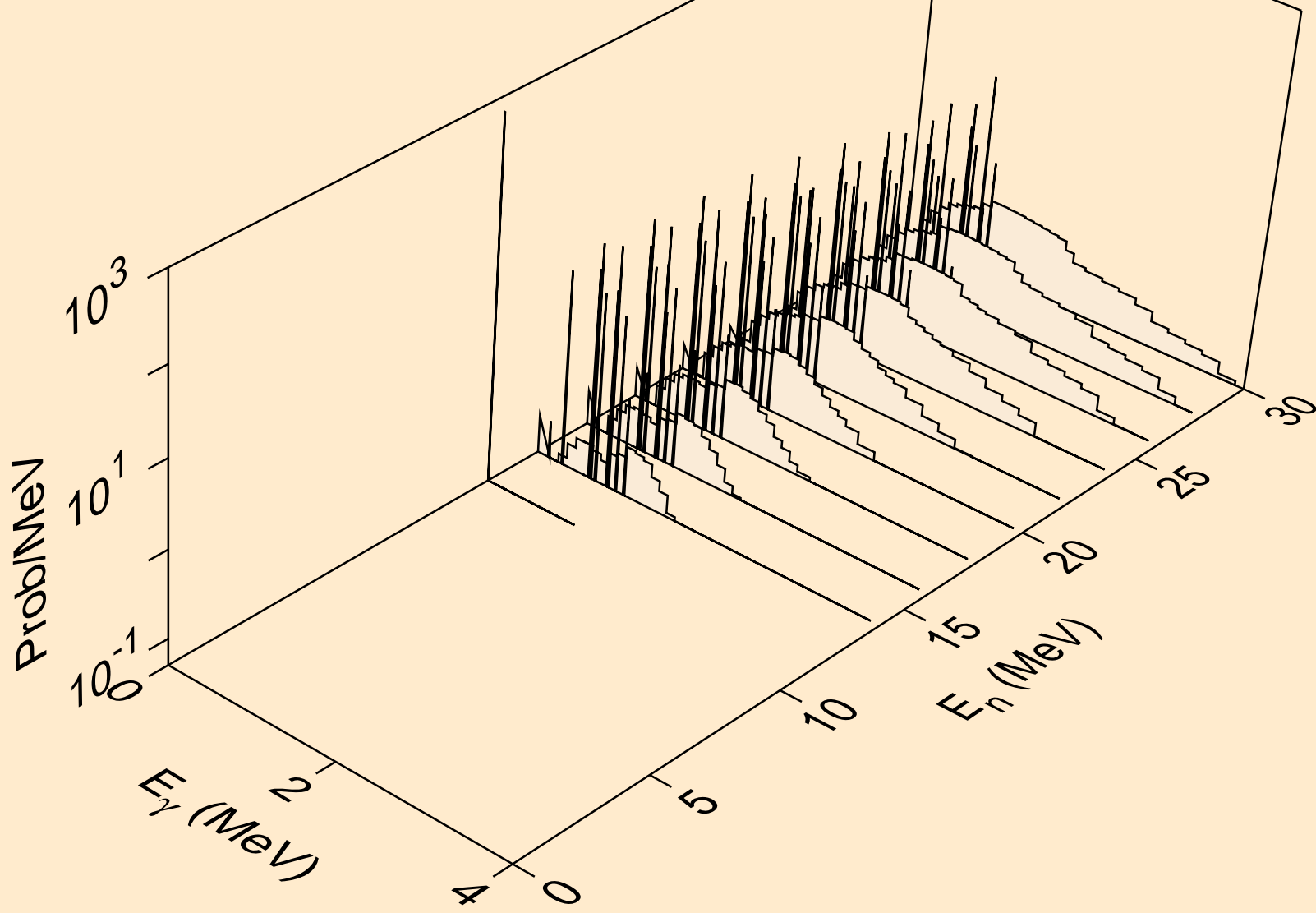
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Photon emission for (n,he3)



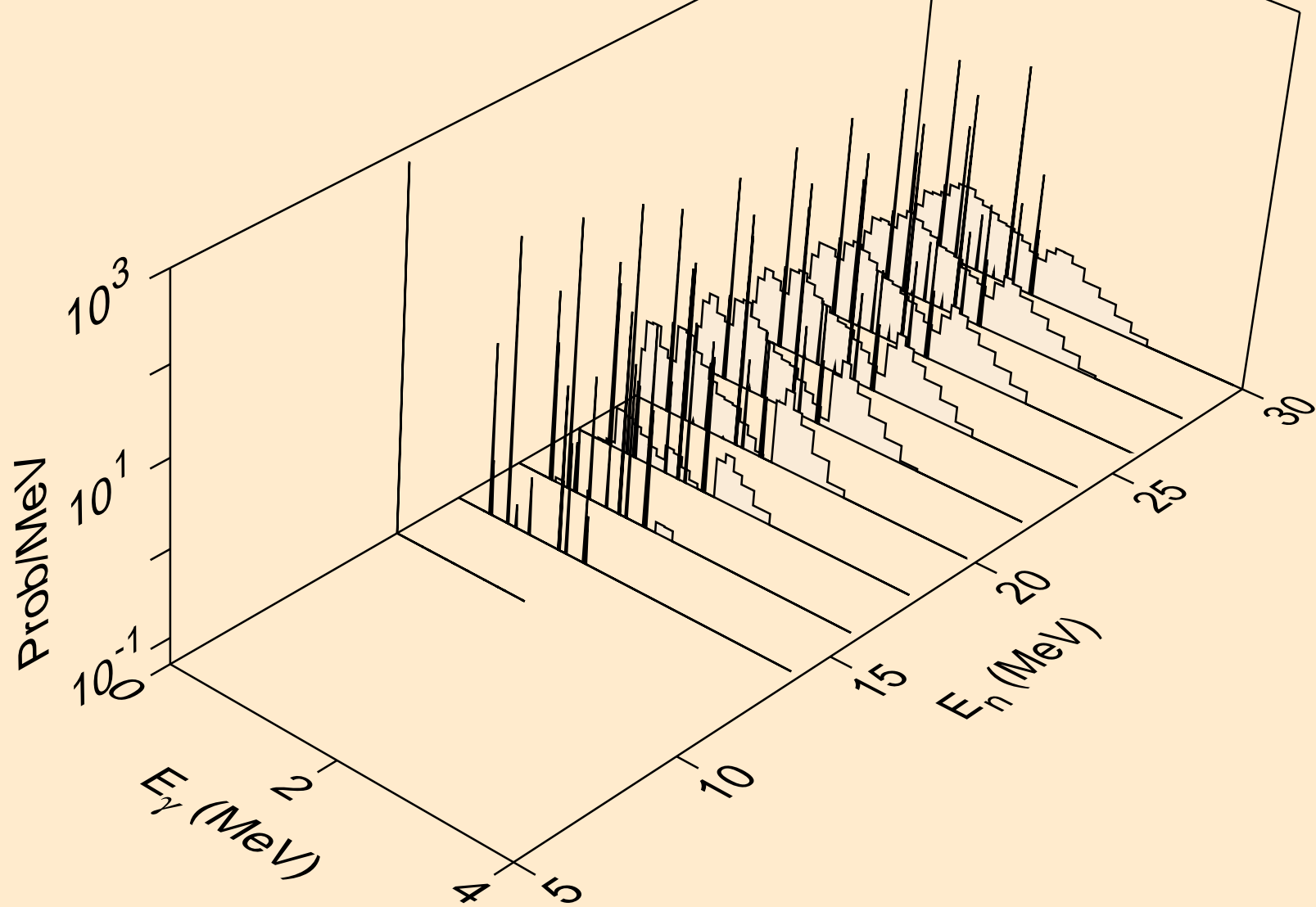
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Photon emission for (n,a)



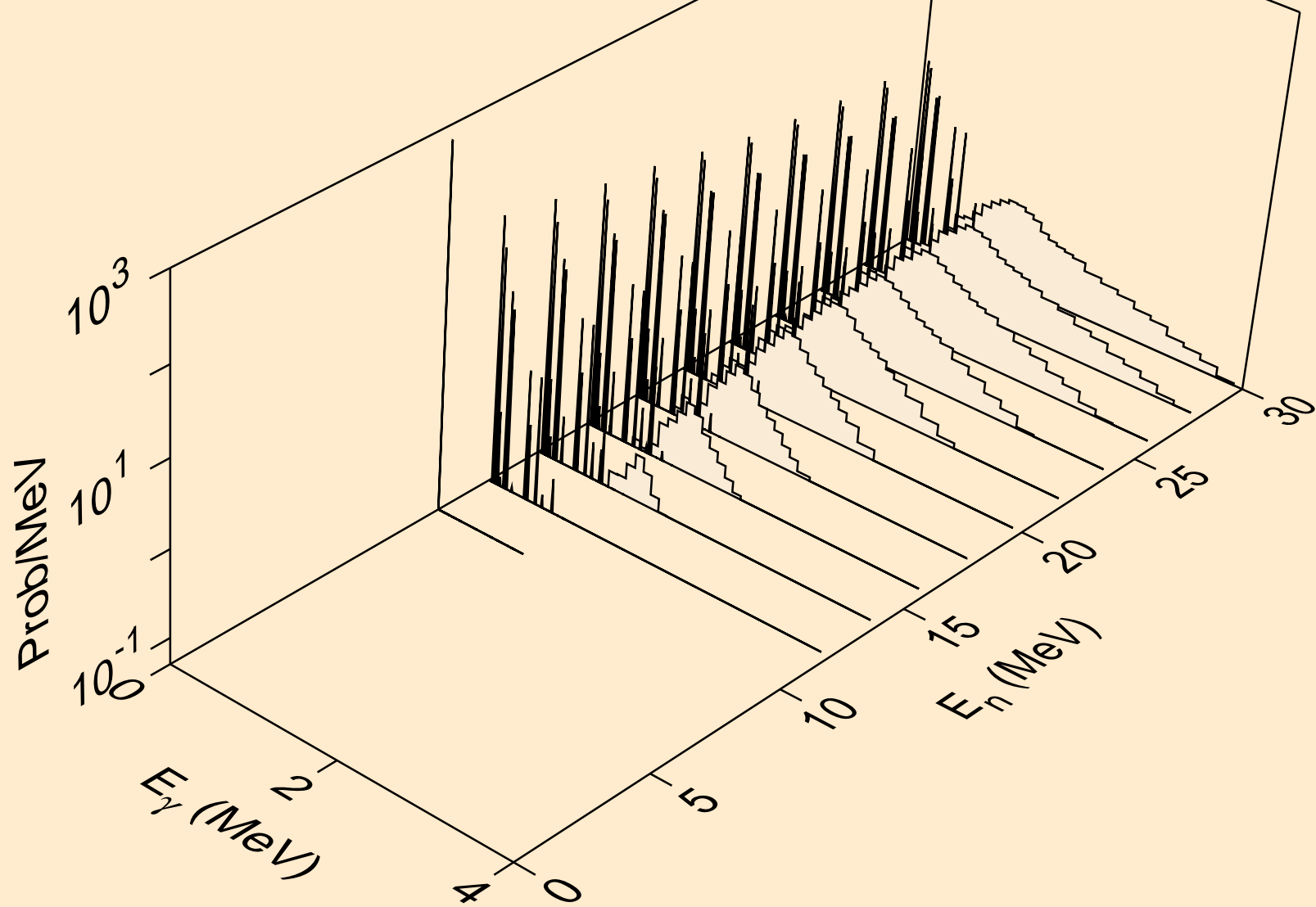
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Photon emission for (n,2a)



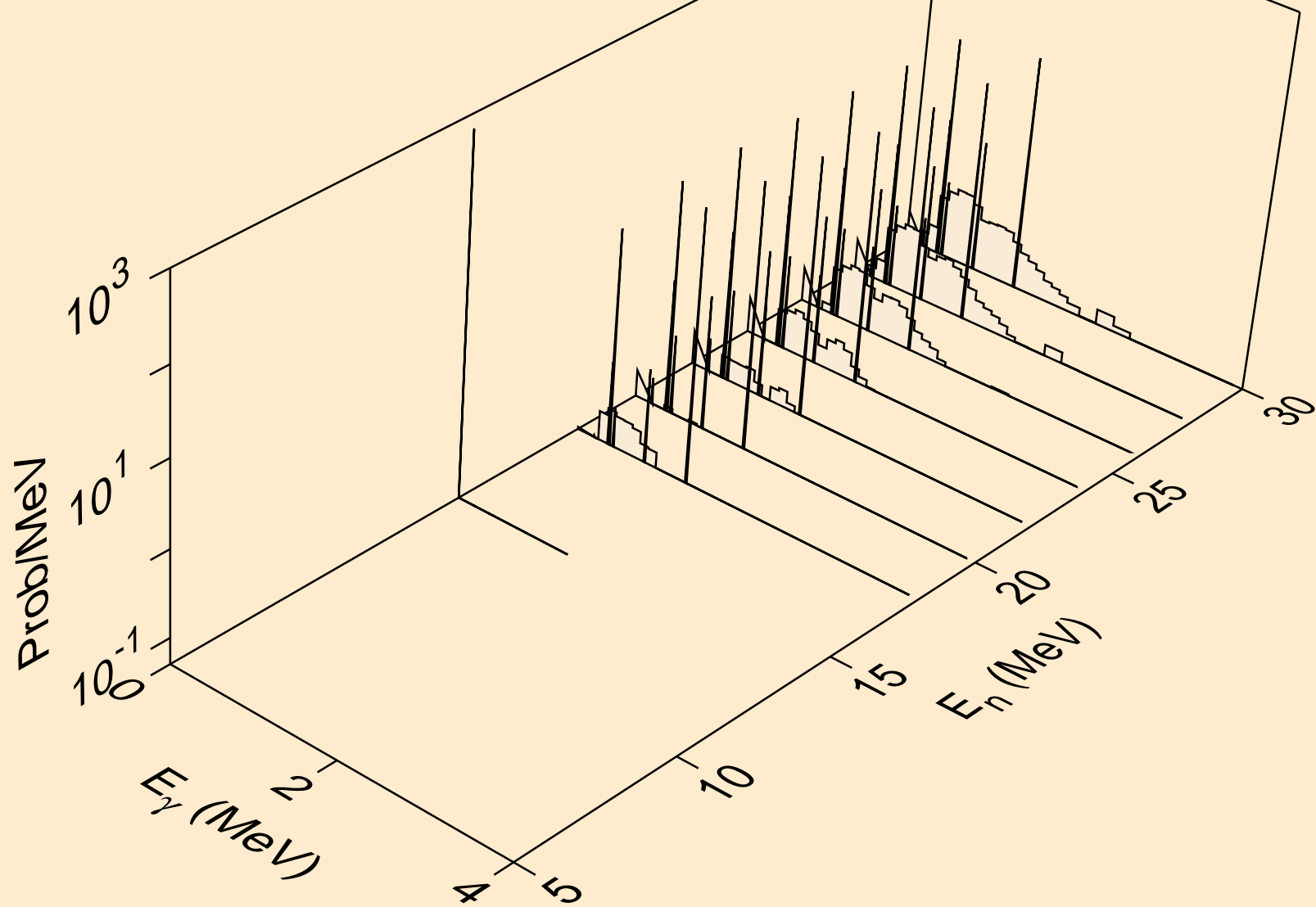
CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)



CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pa)

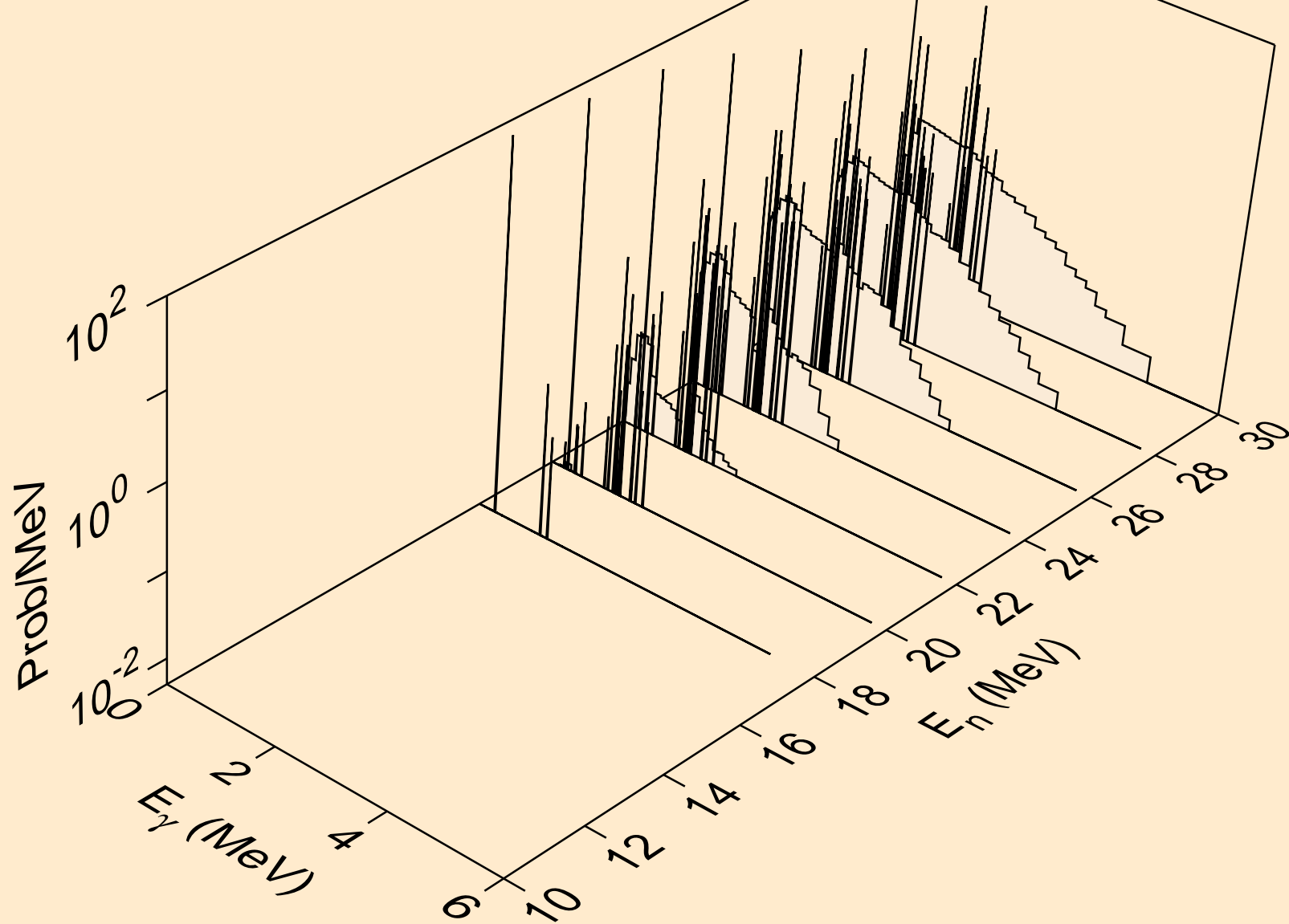


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Photon emission for (n,pd)

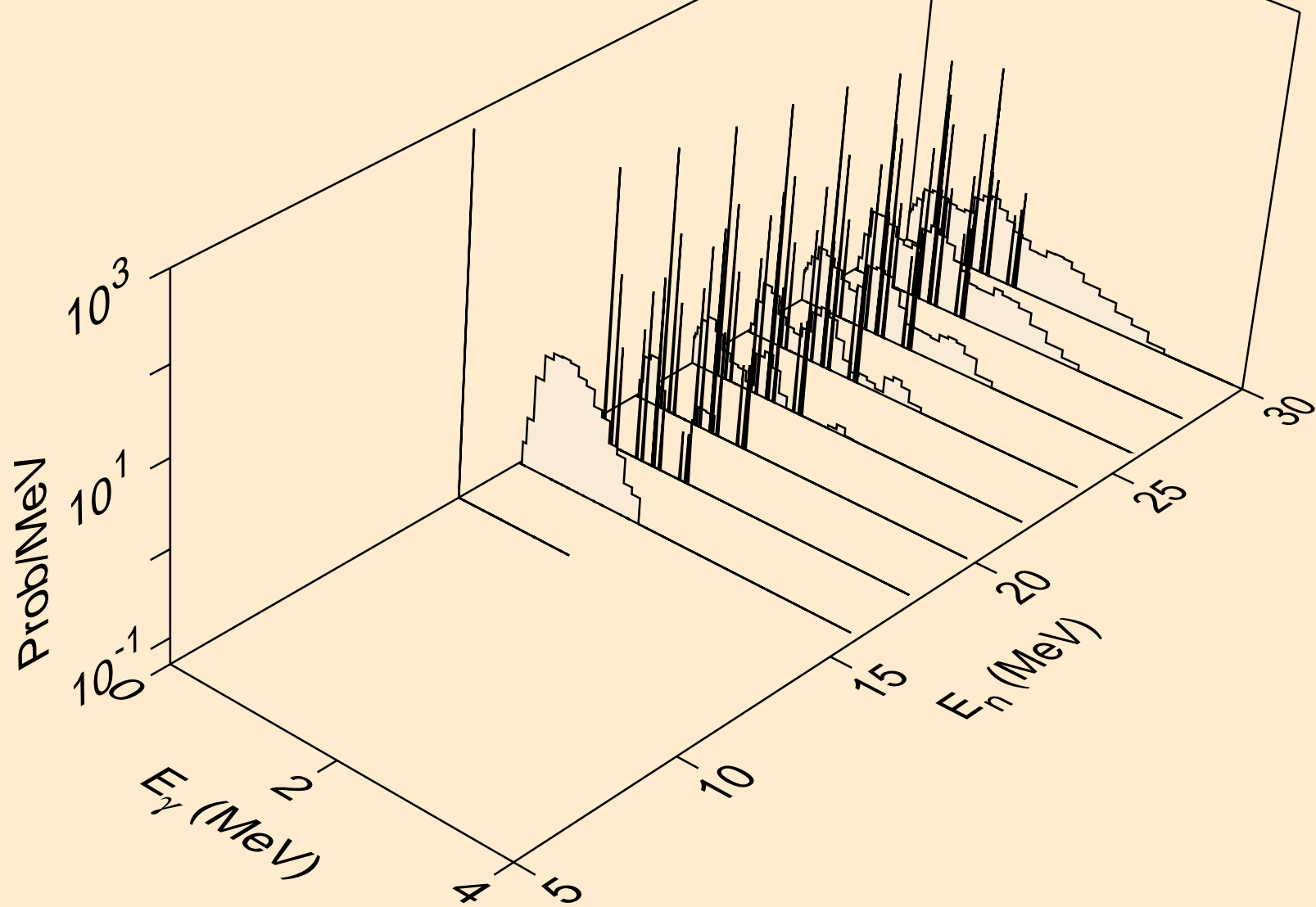




CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pt)

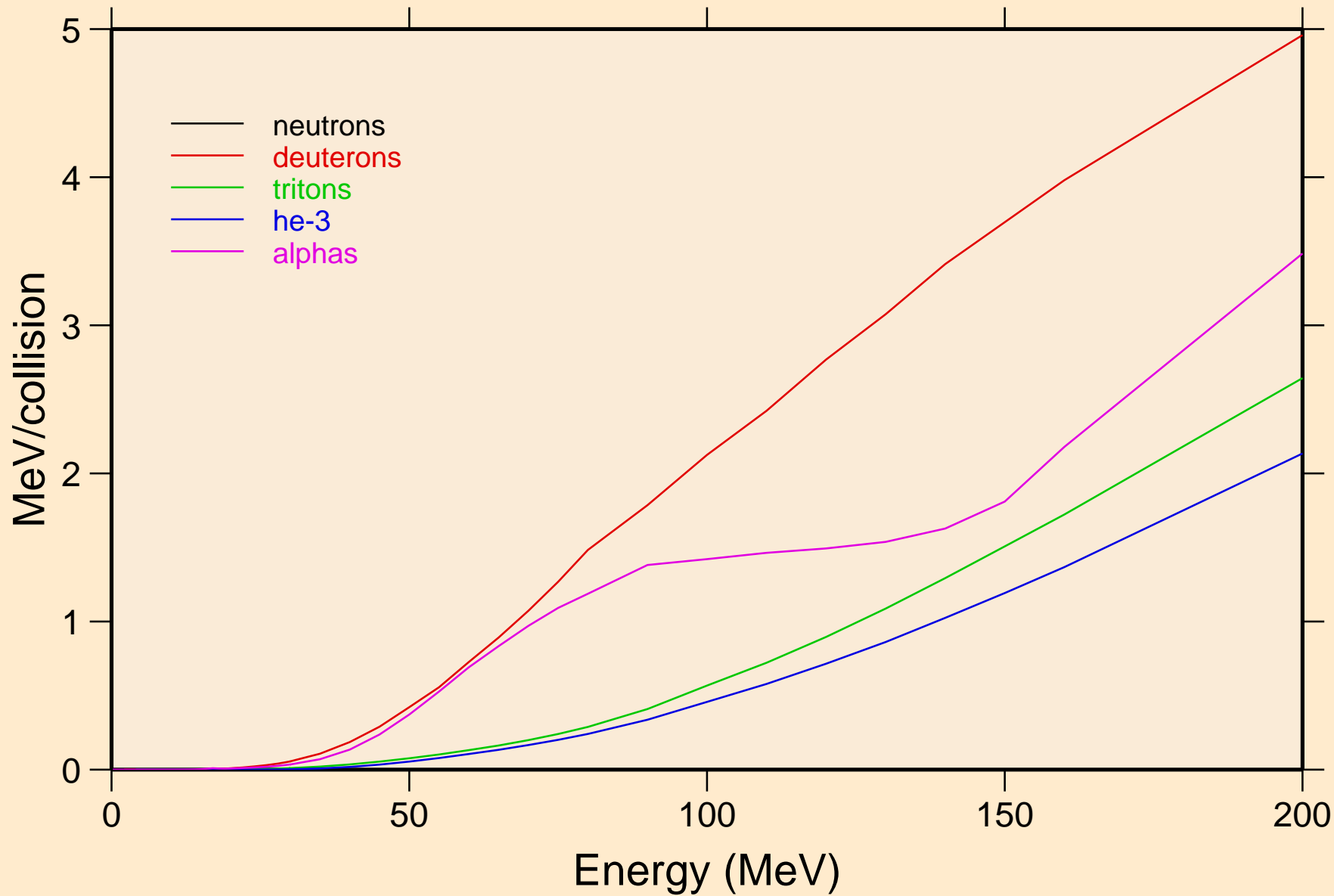


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Photon emission for (n,da)

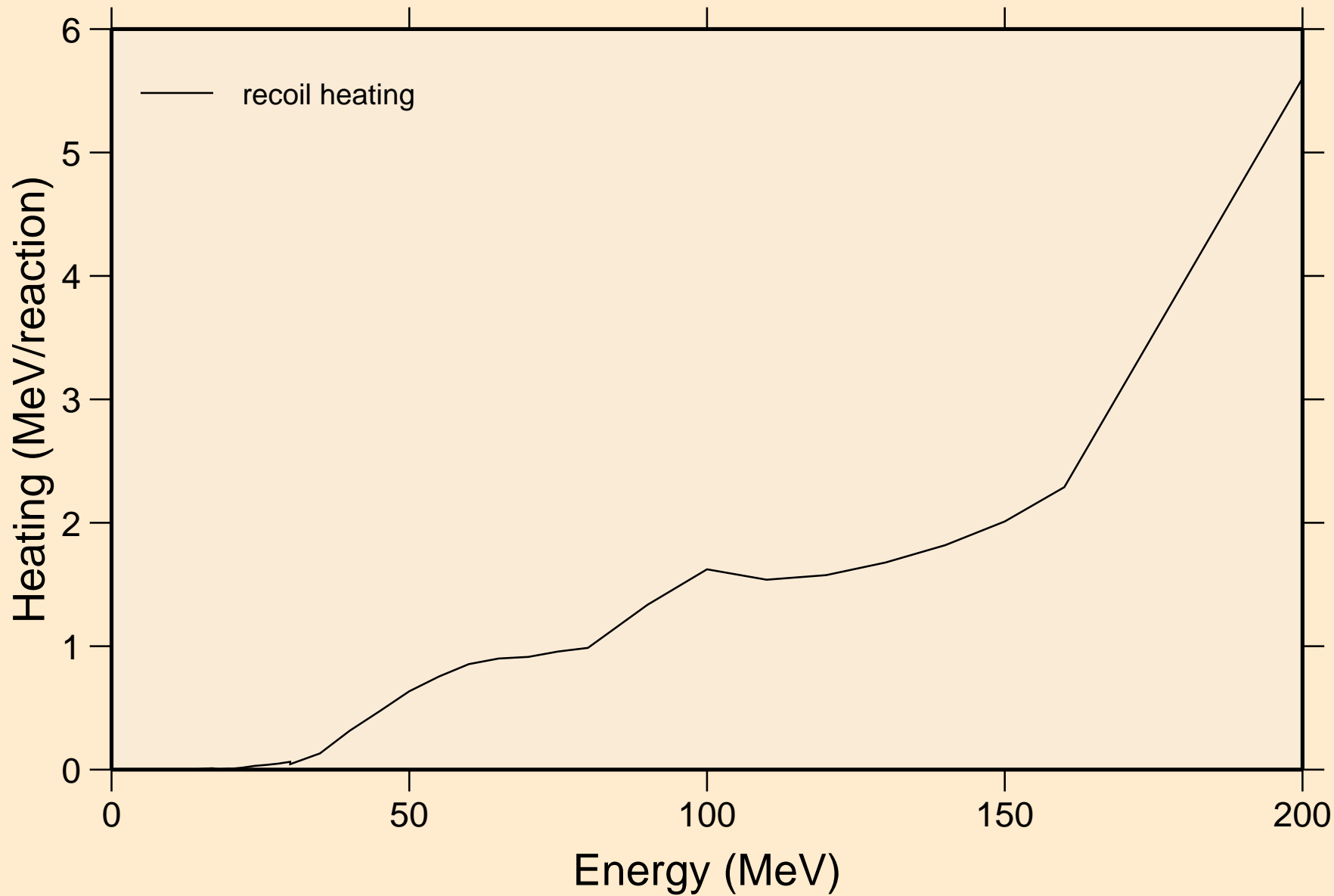


# CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K

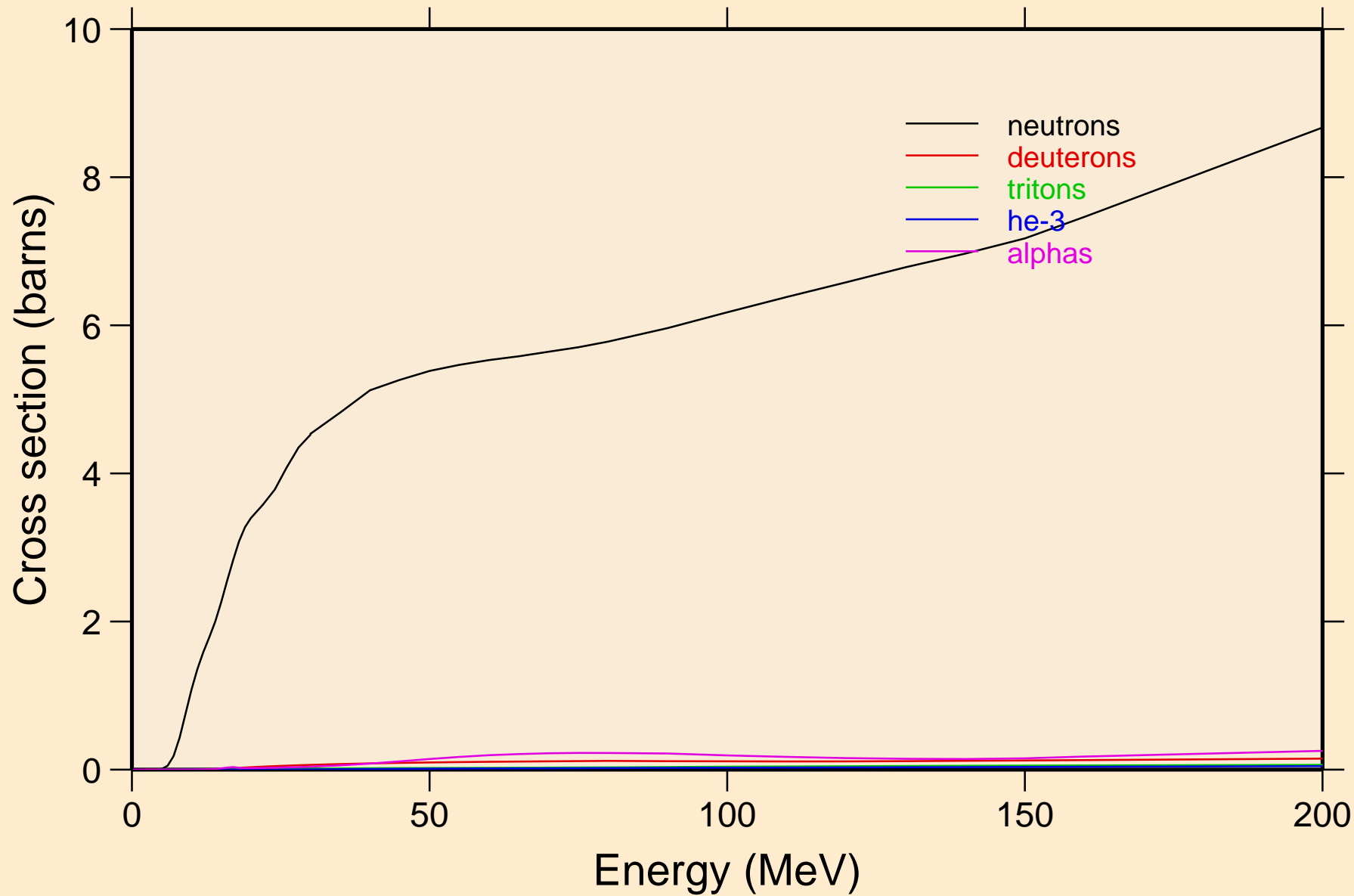
## Particle heating contributions



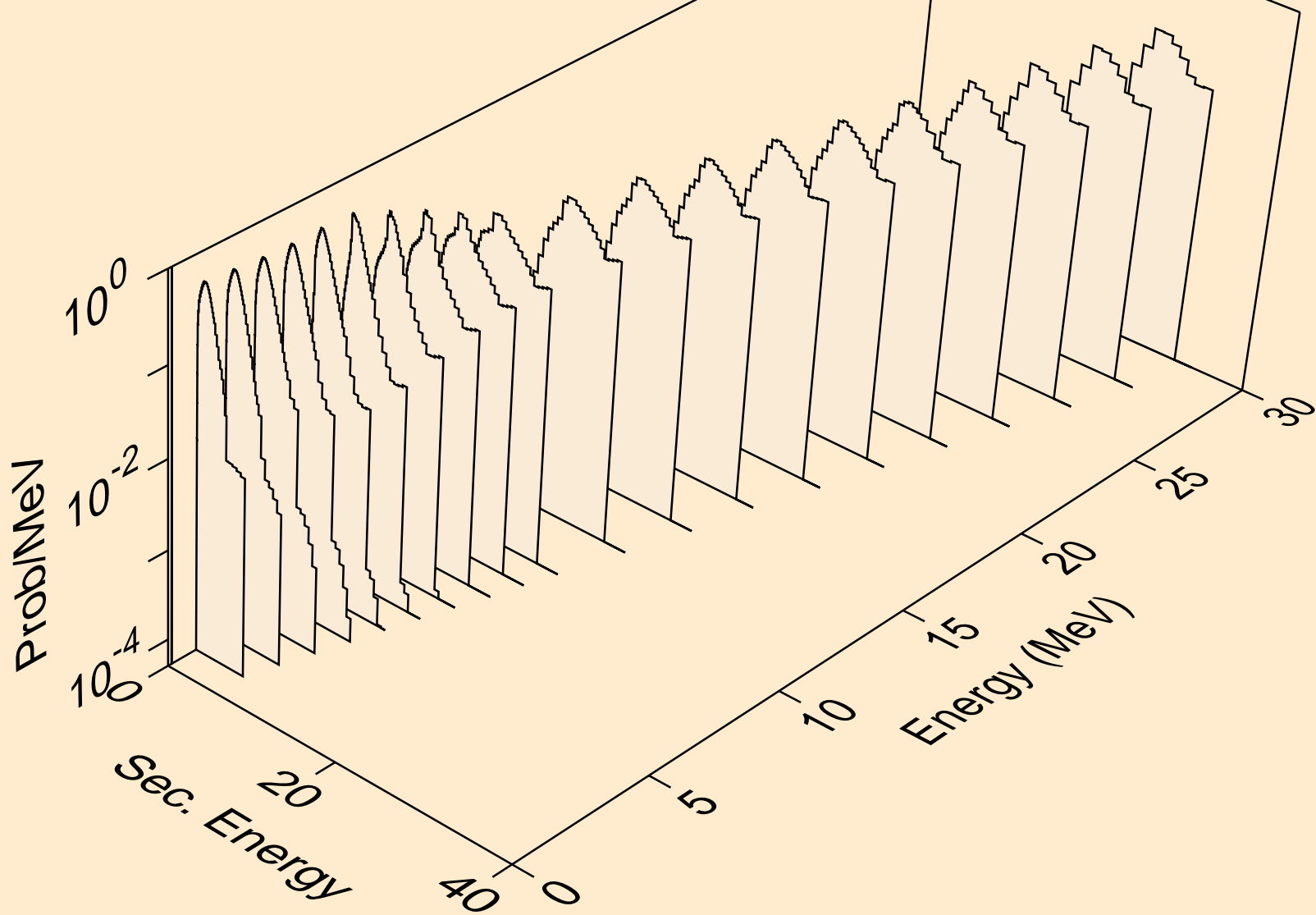
CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Recoil Heating



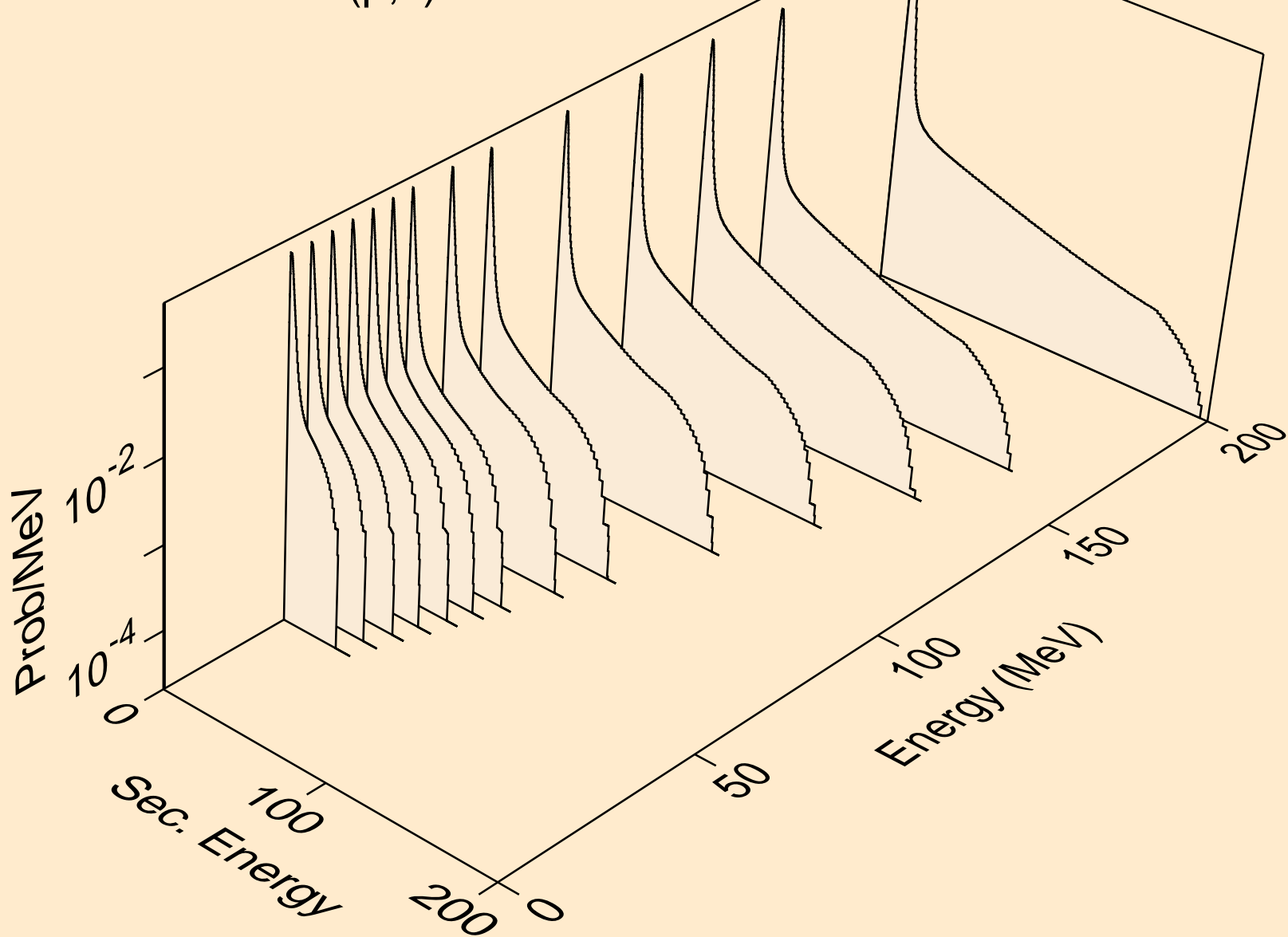
CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Particle production cross sections



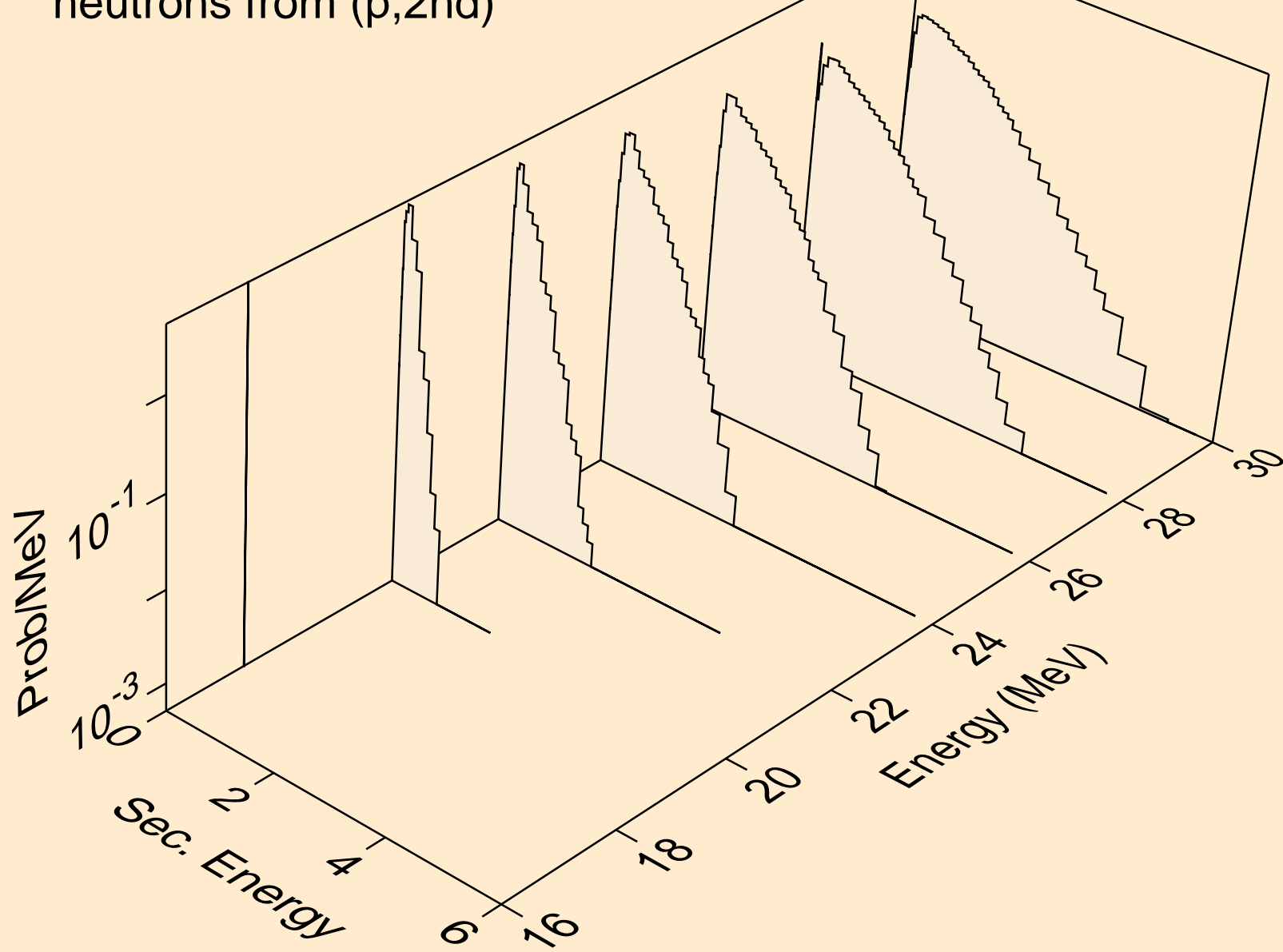
CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n)



CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,x)

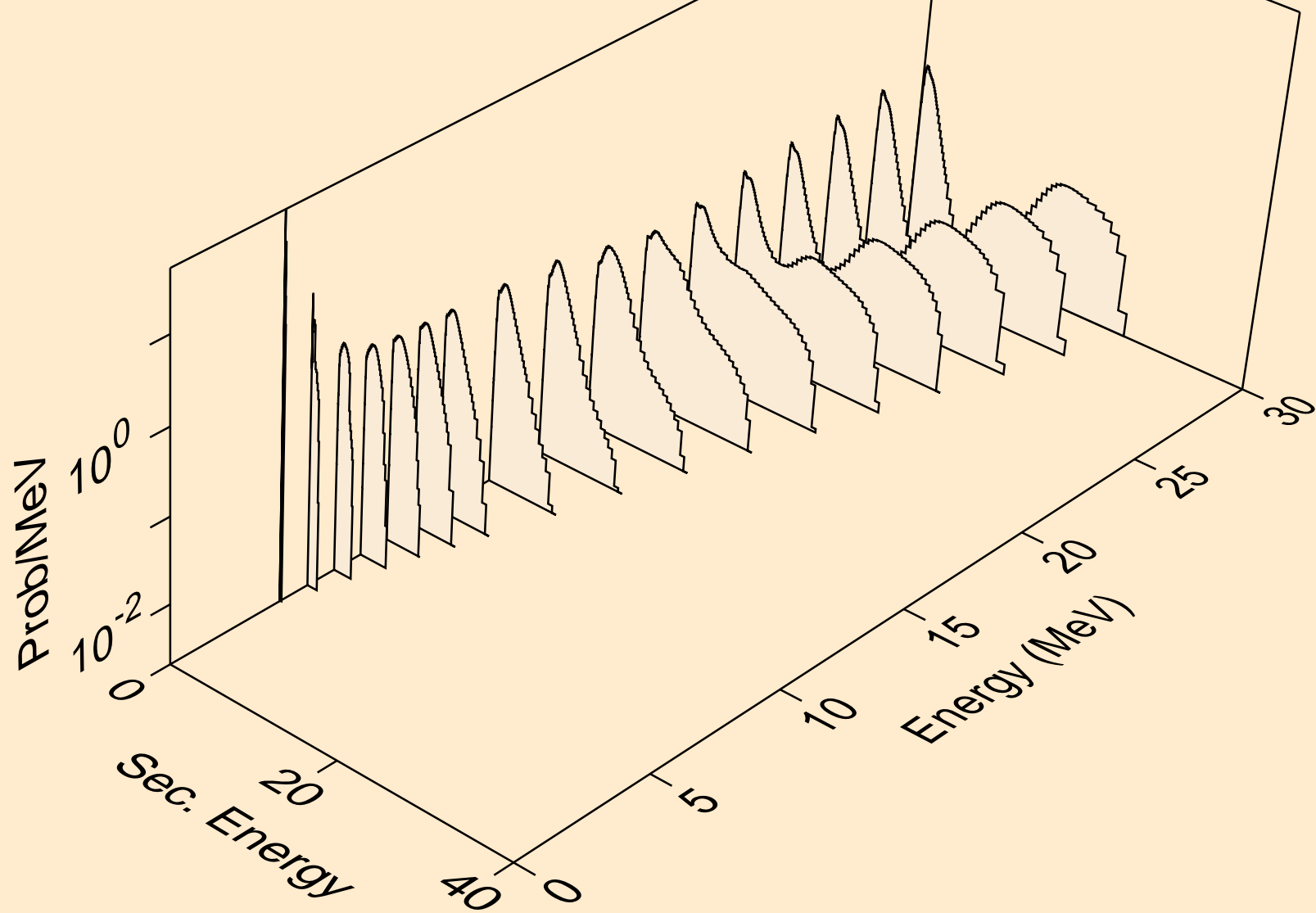


CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2nd)

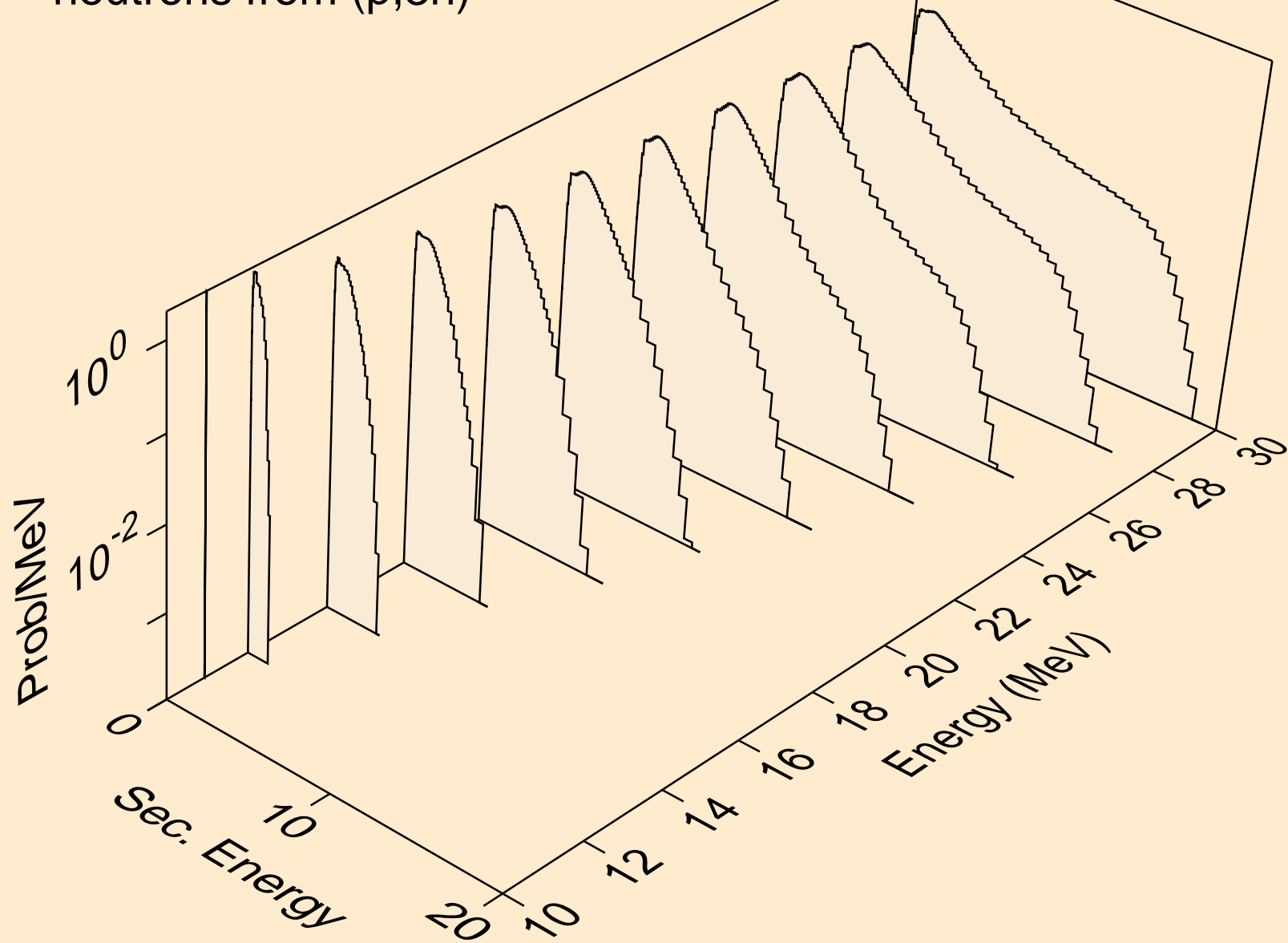




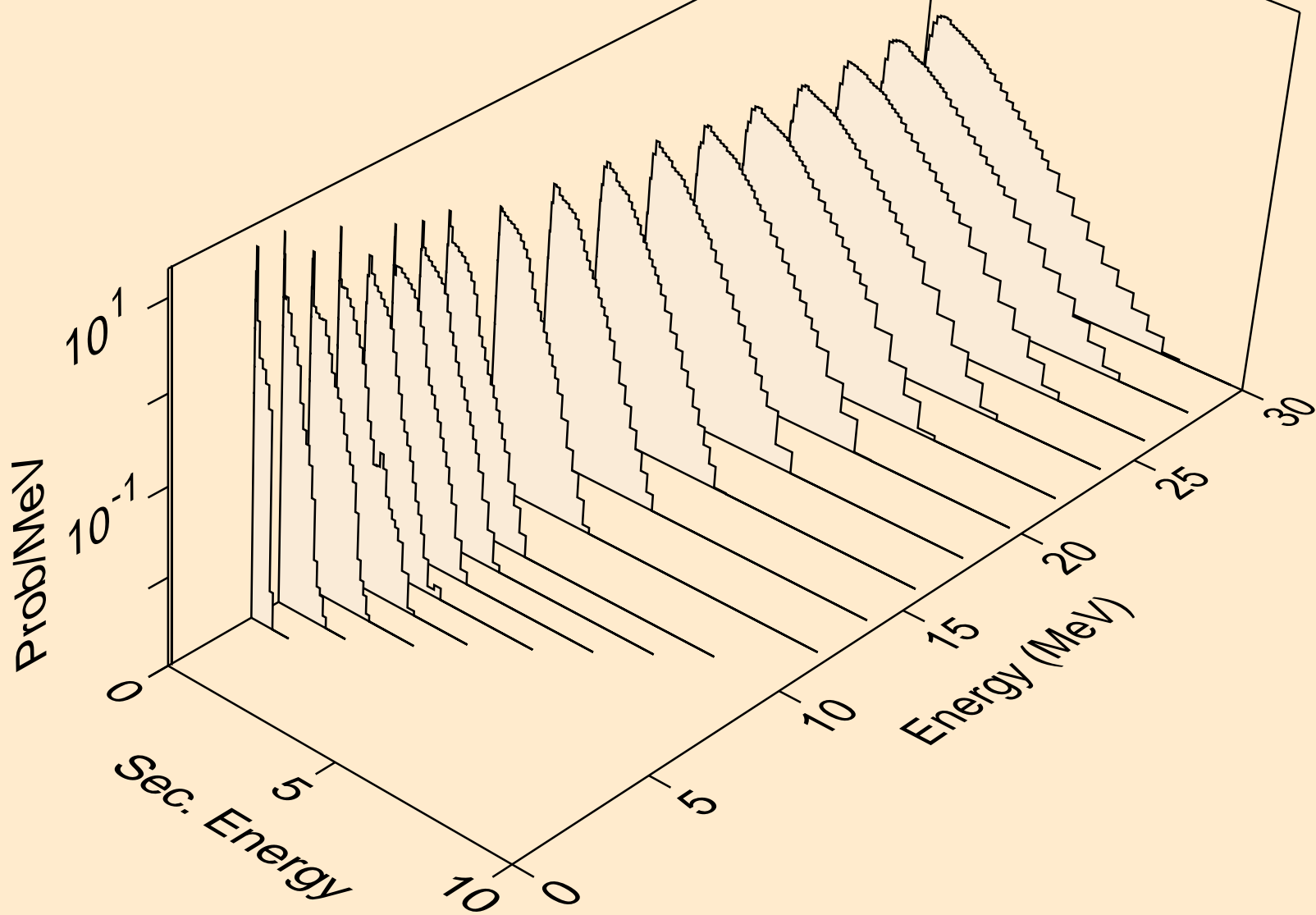
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neutrons from (p,2n)



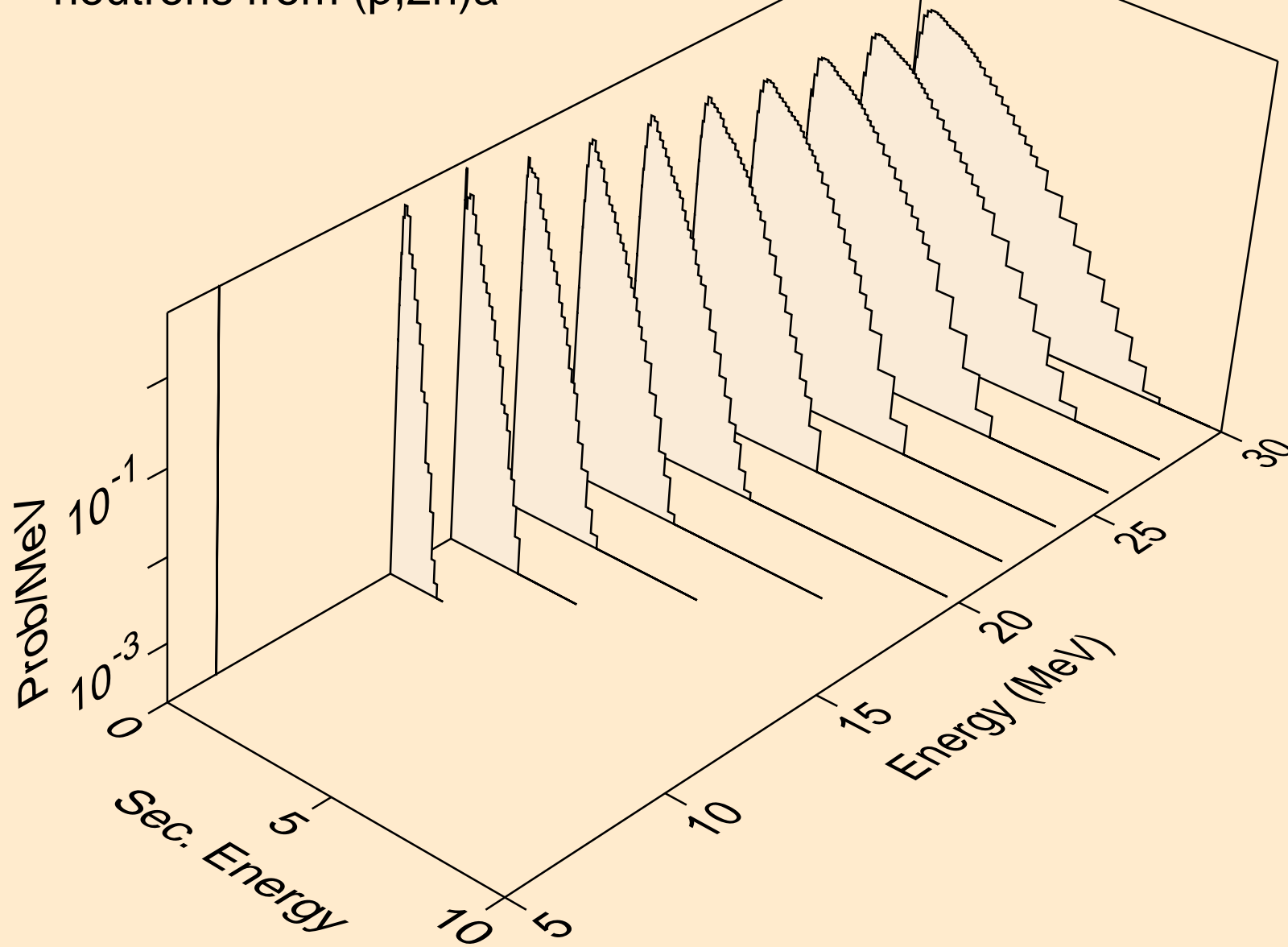
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neutrons from (p,3n)



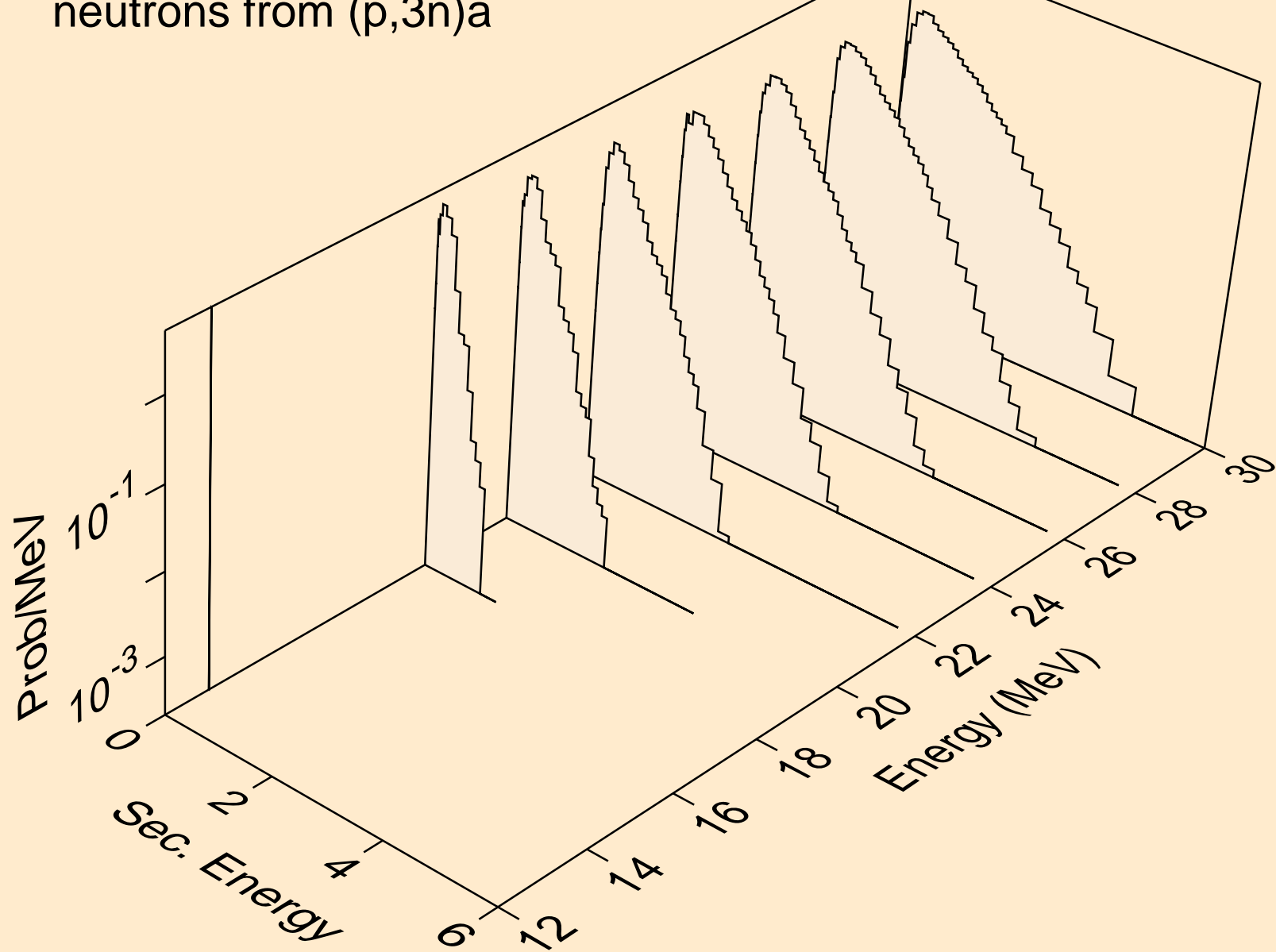
CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)a



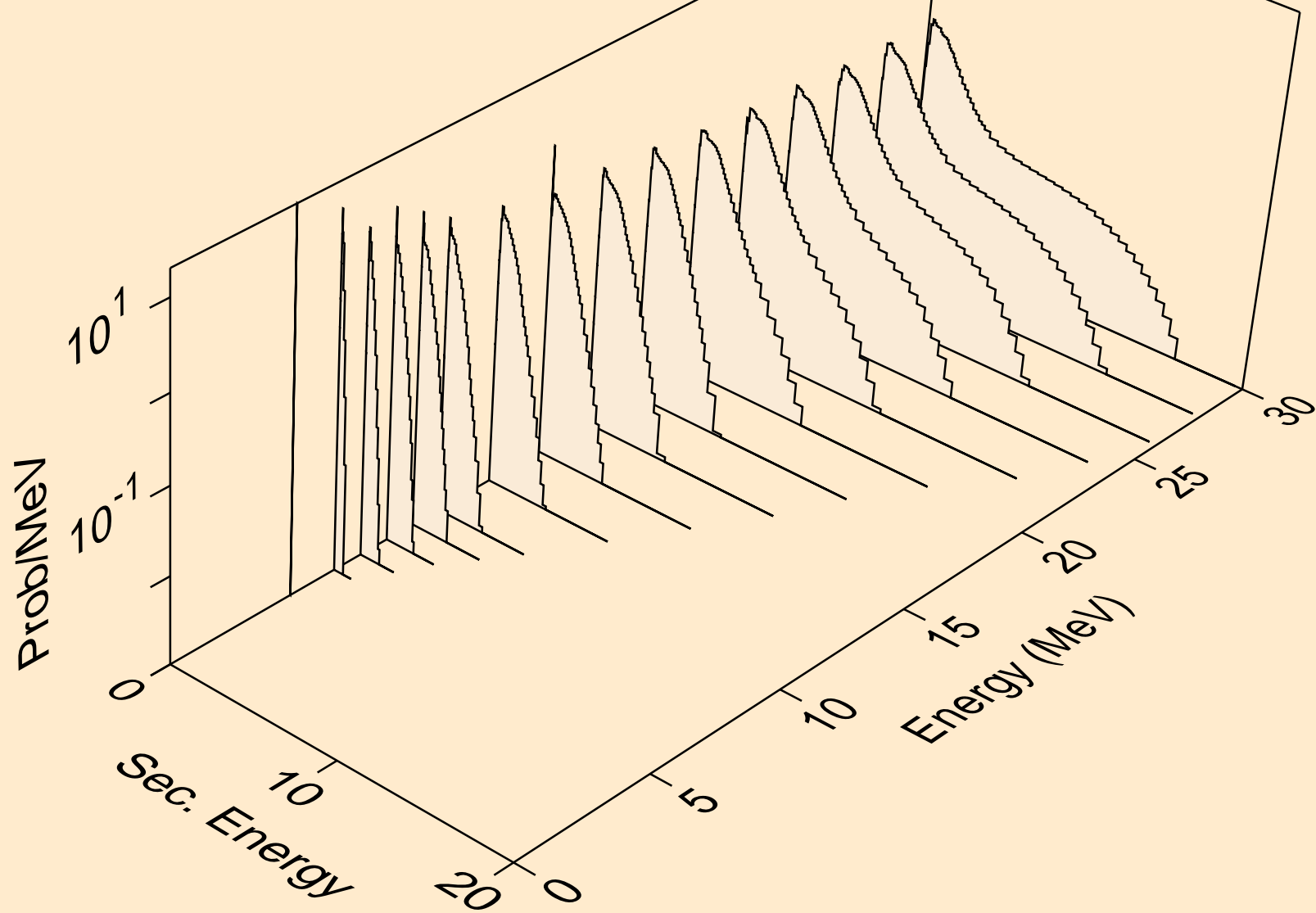
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neutrons from (p,2n)a



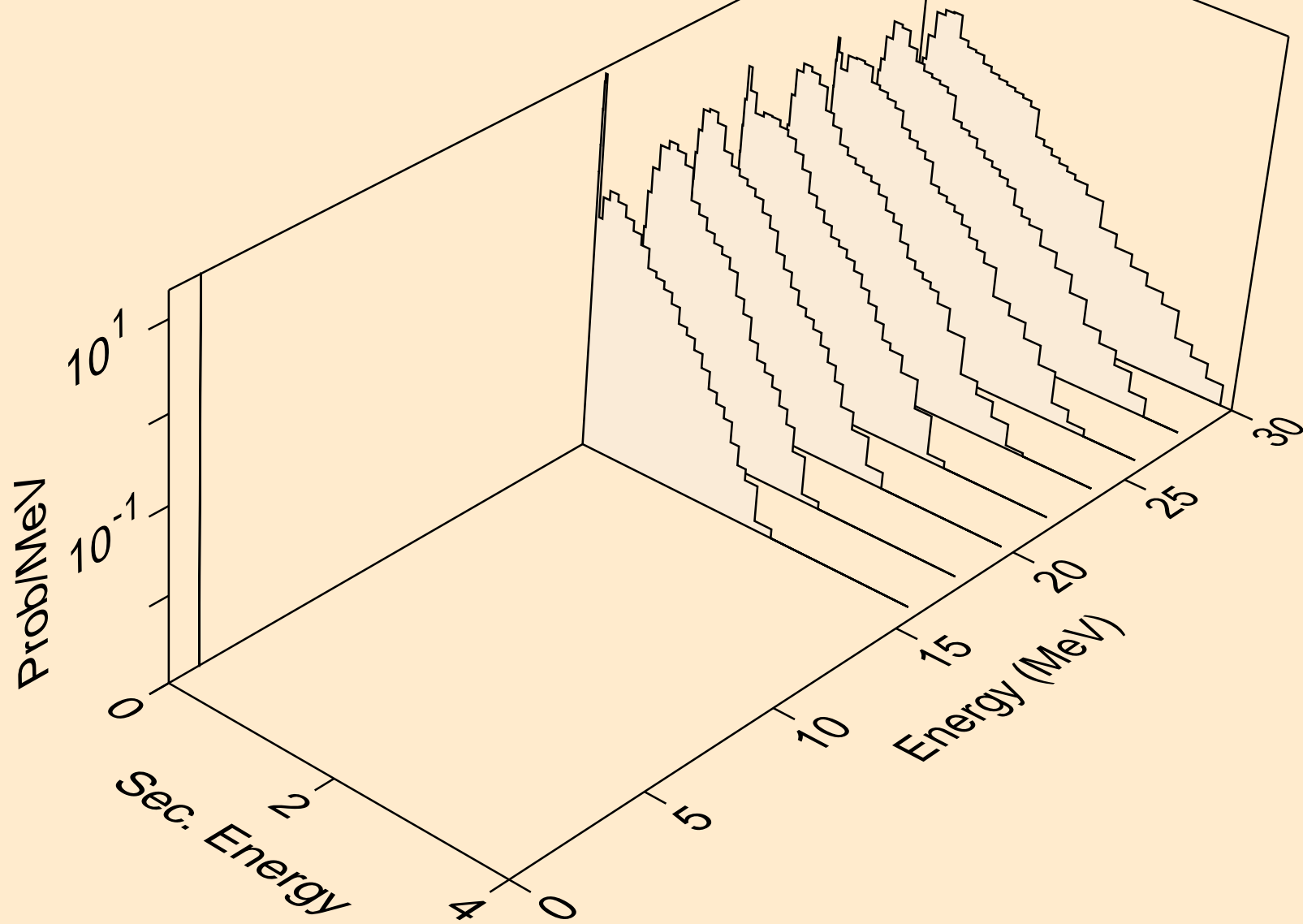
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neutrons from (p,3n)a



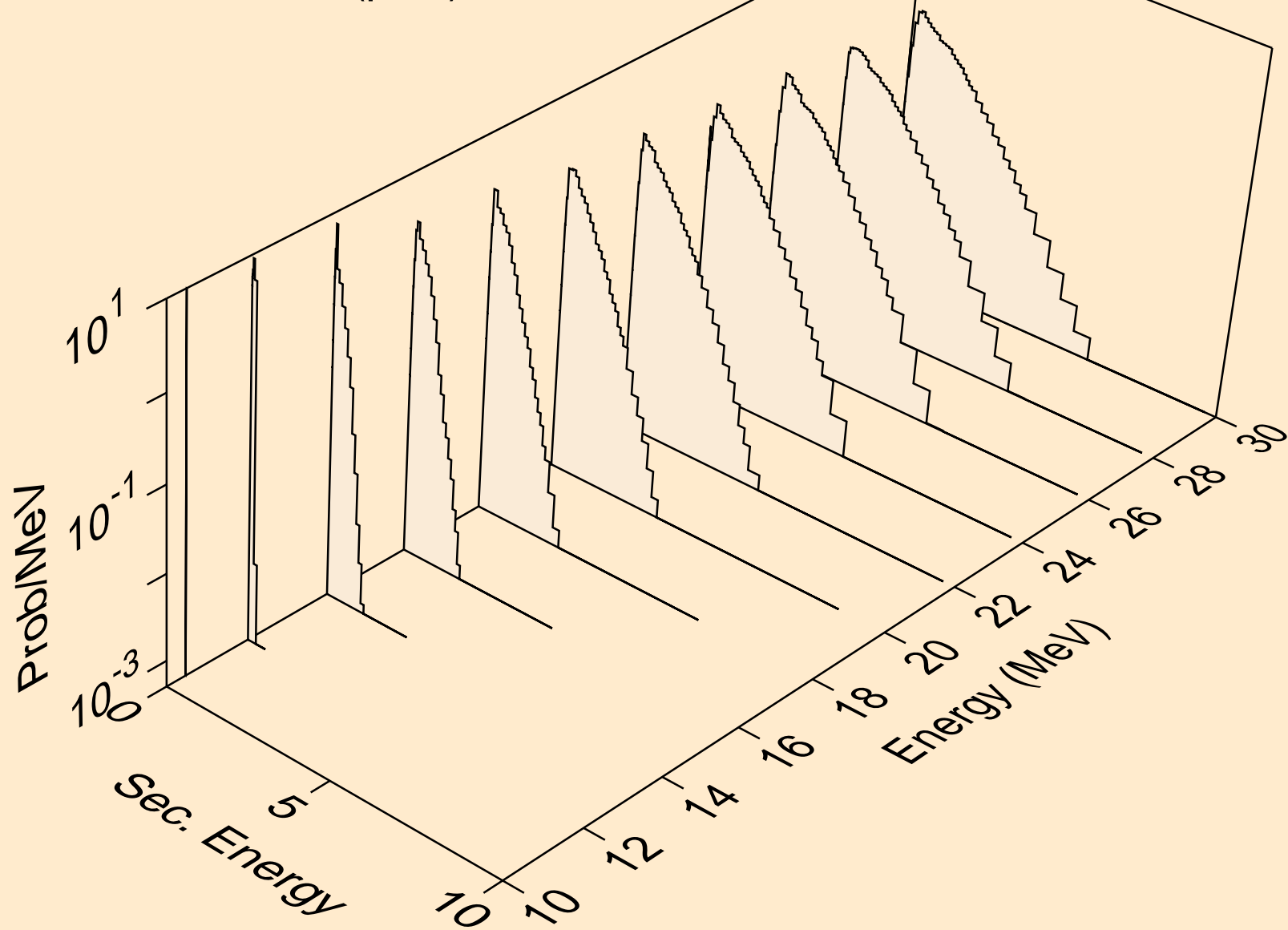
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neutrons from (p,n\*)p



CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
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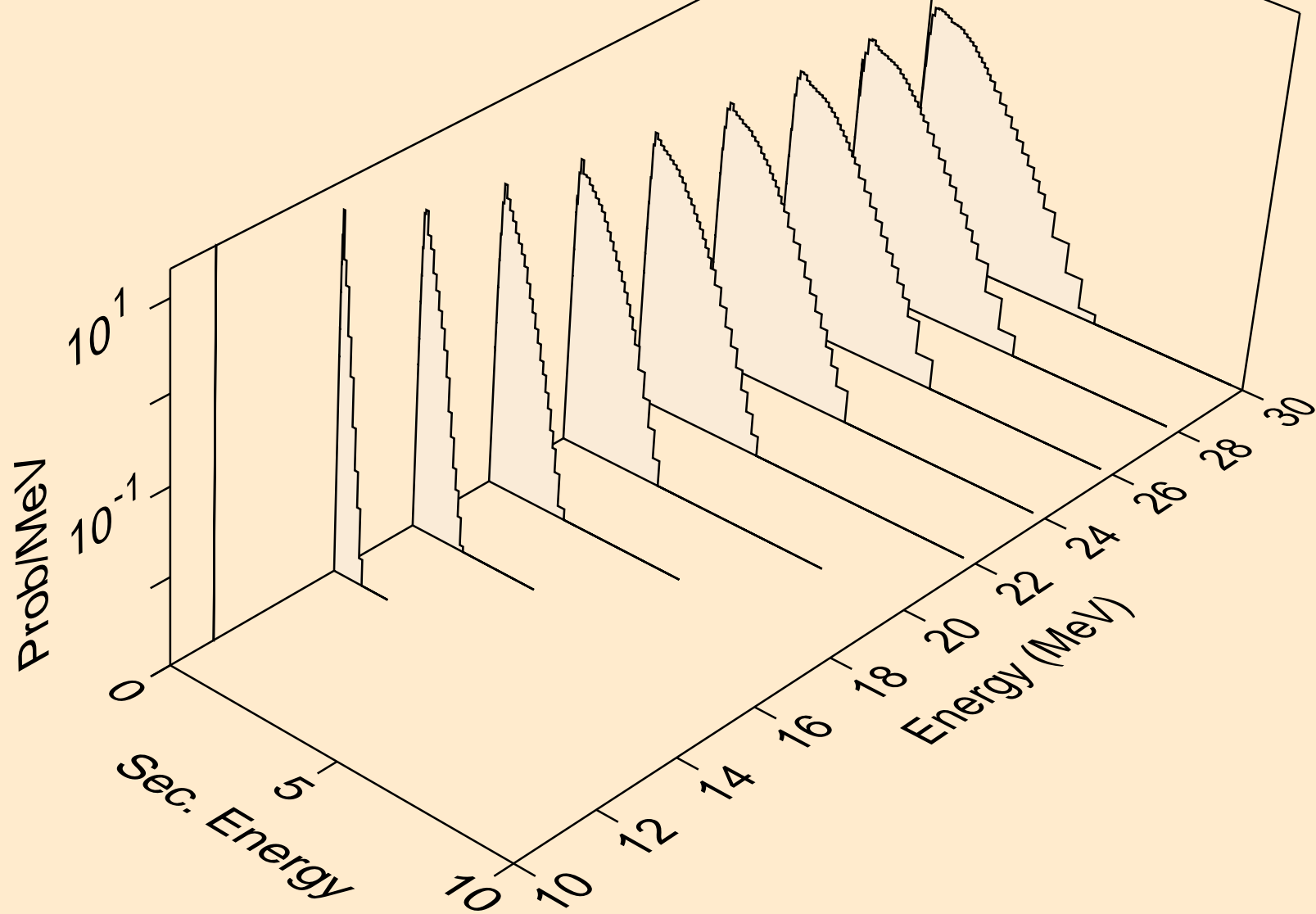


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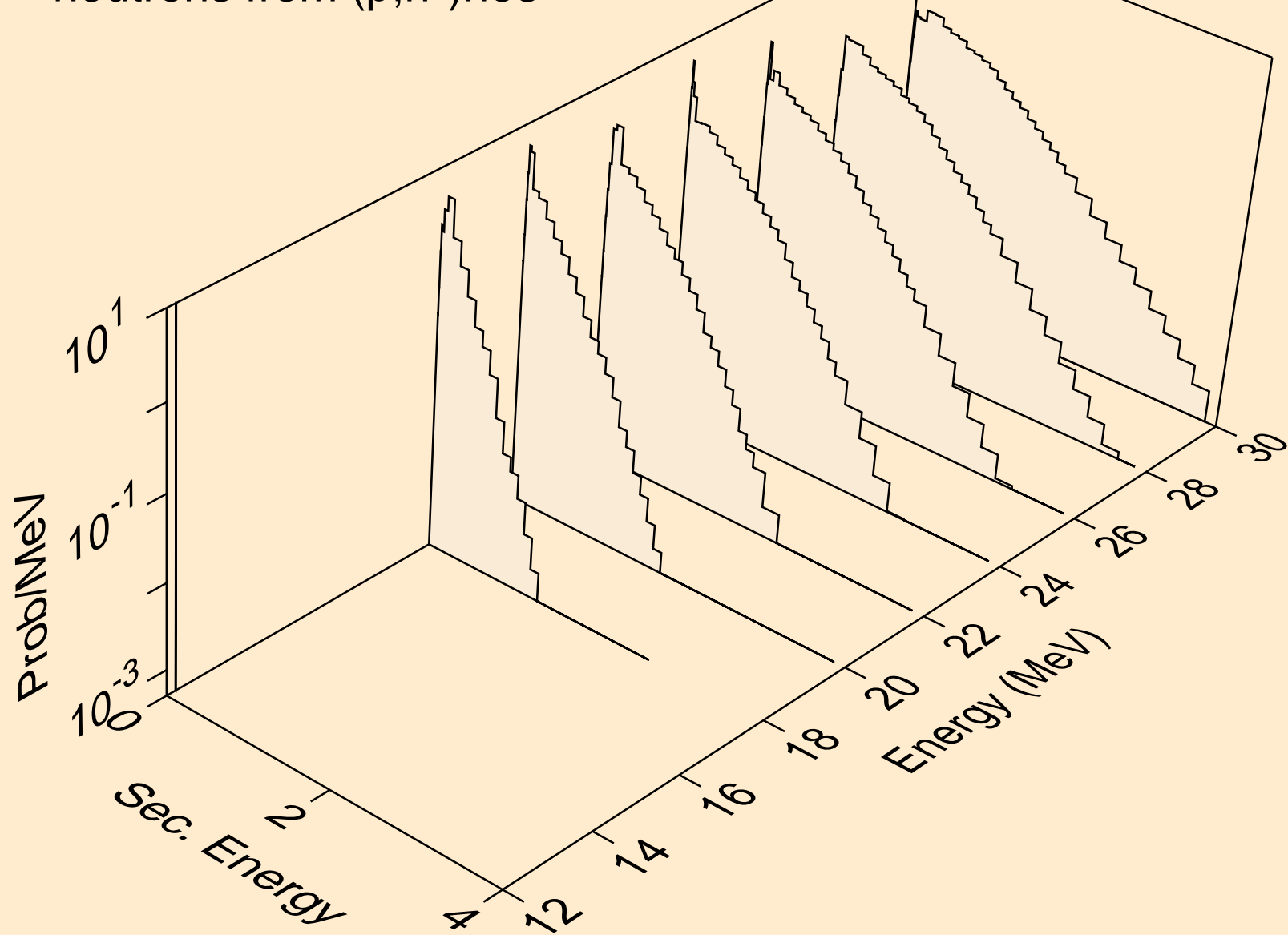




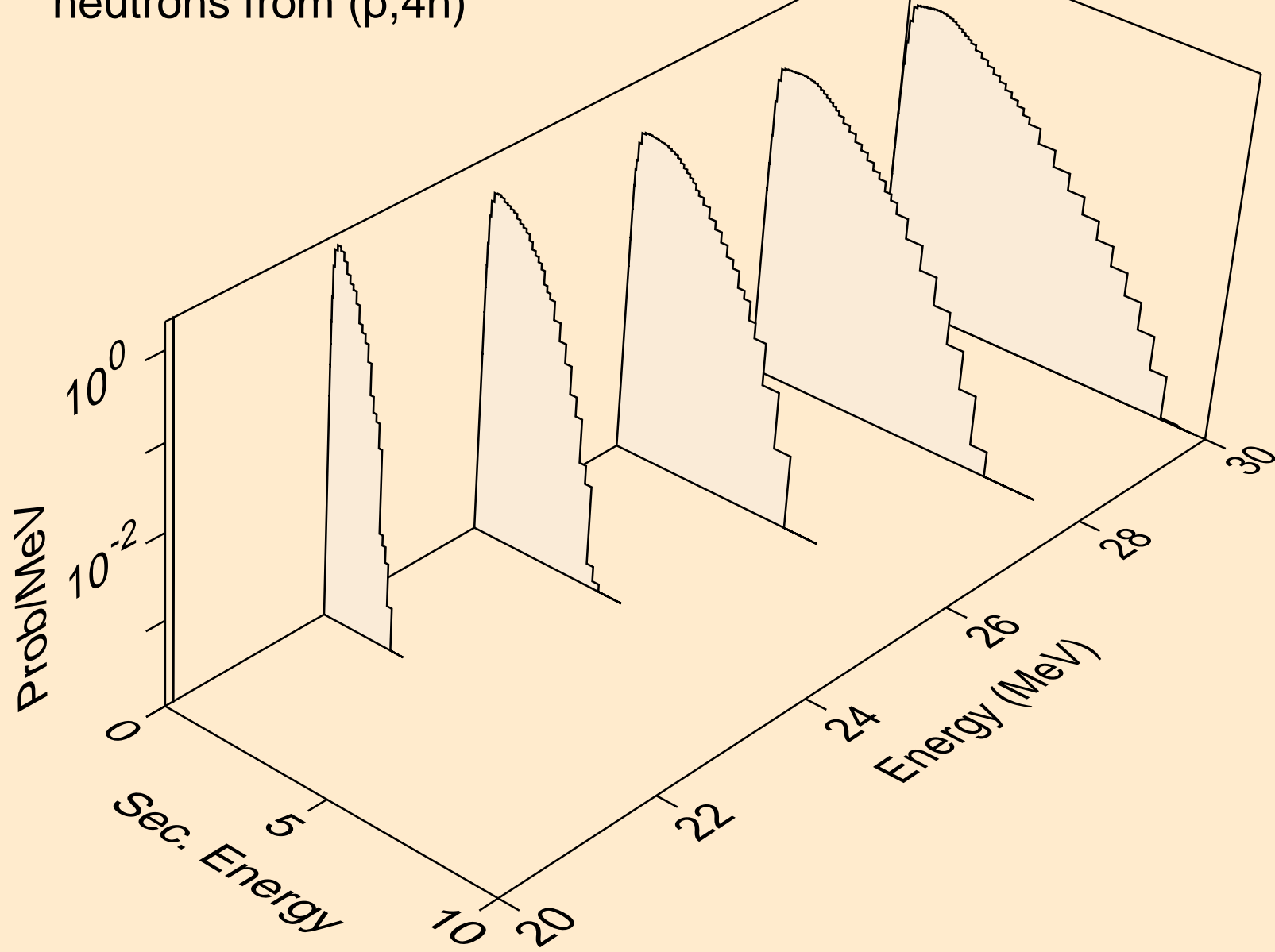
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neutrons from (p,n\*)t



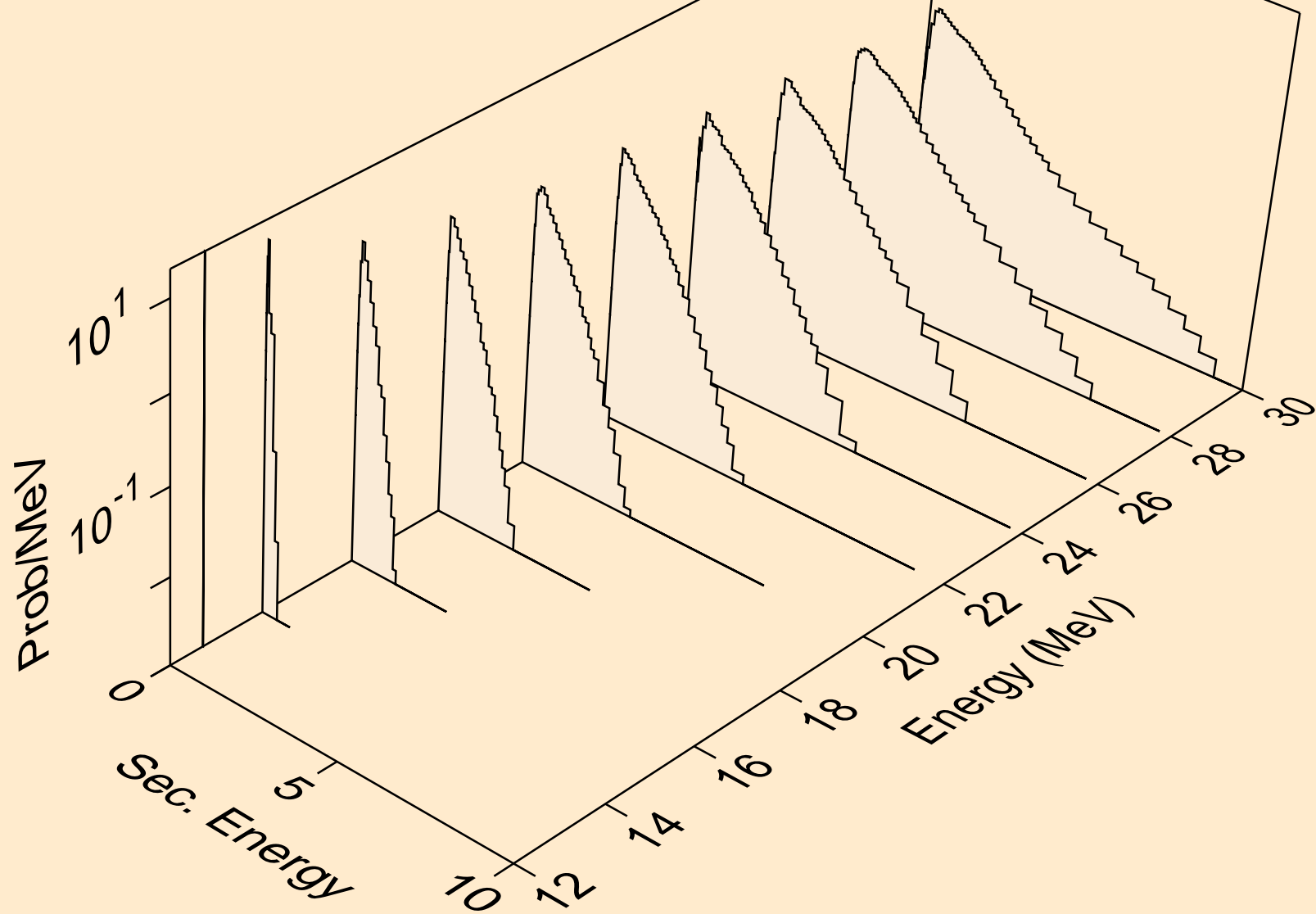
CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



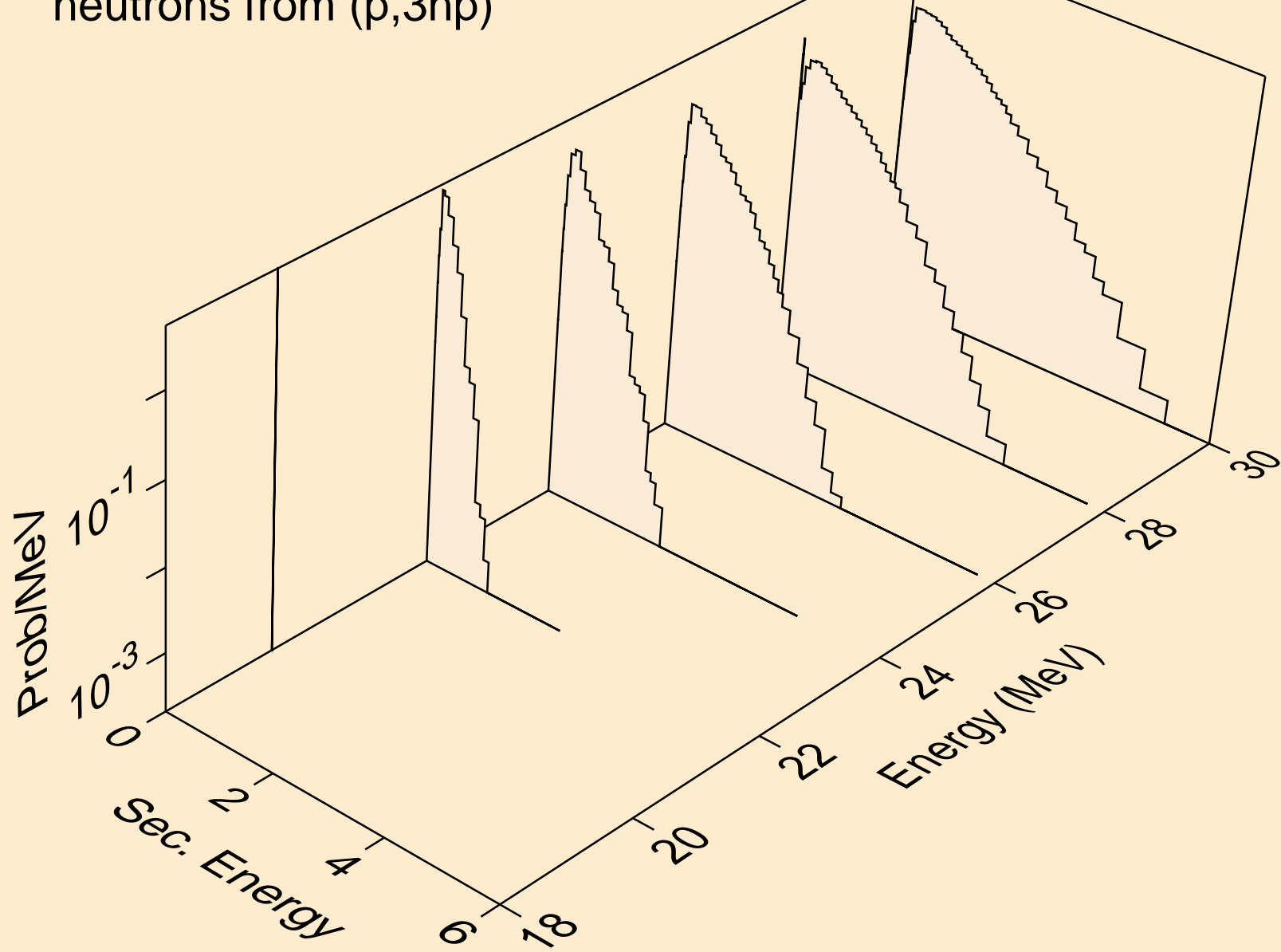
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neutrons from (p,4n)



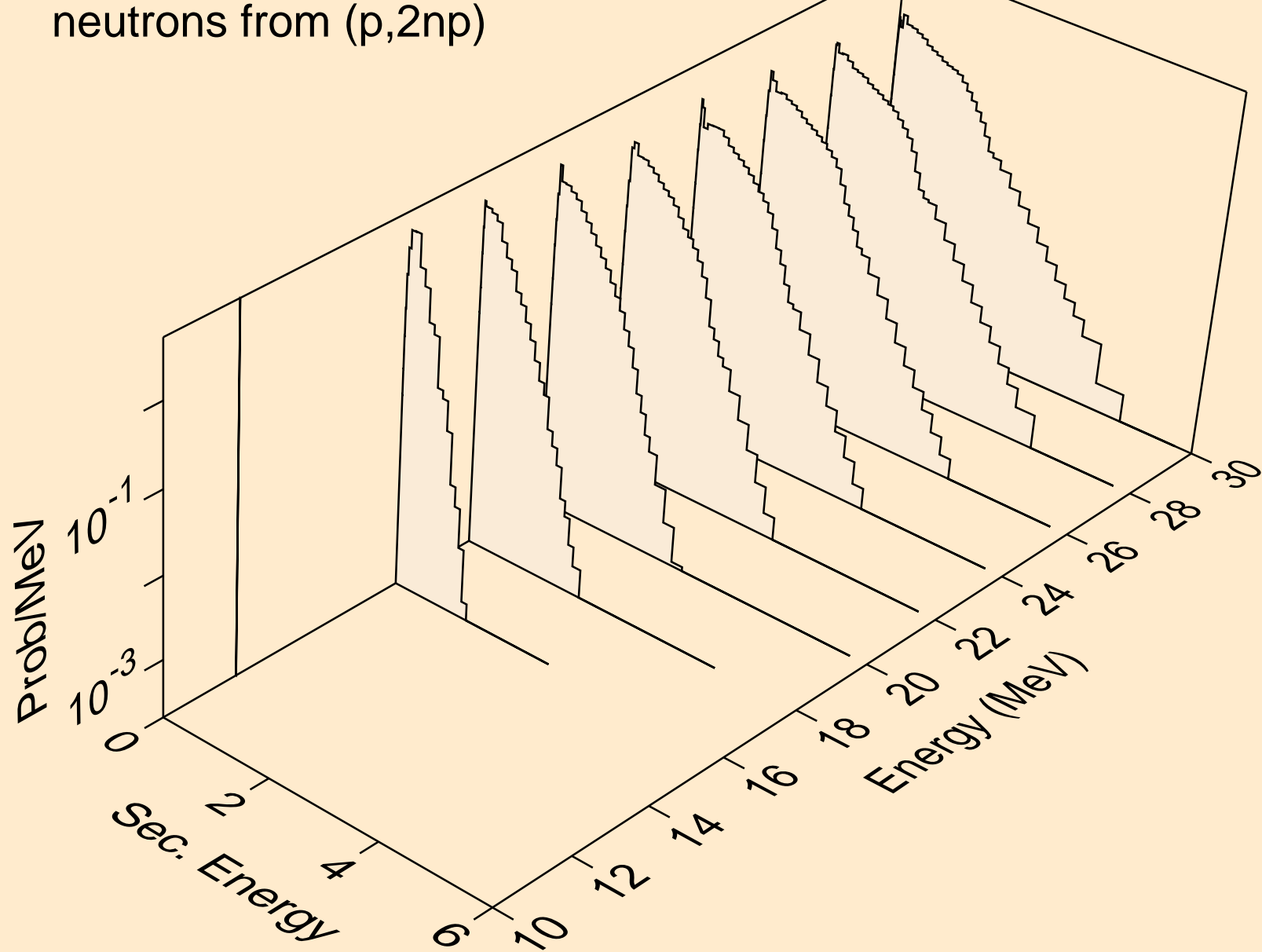
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neutrons from (p,2np)



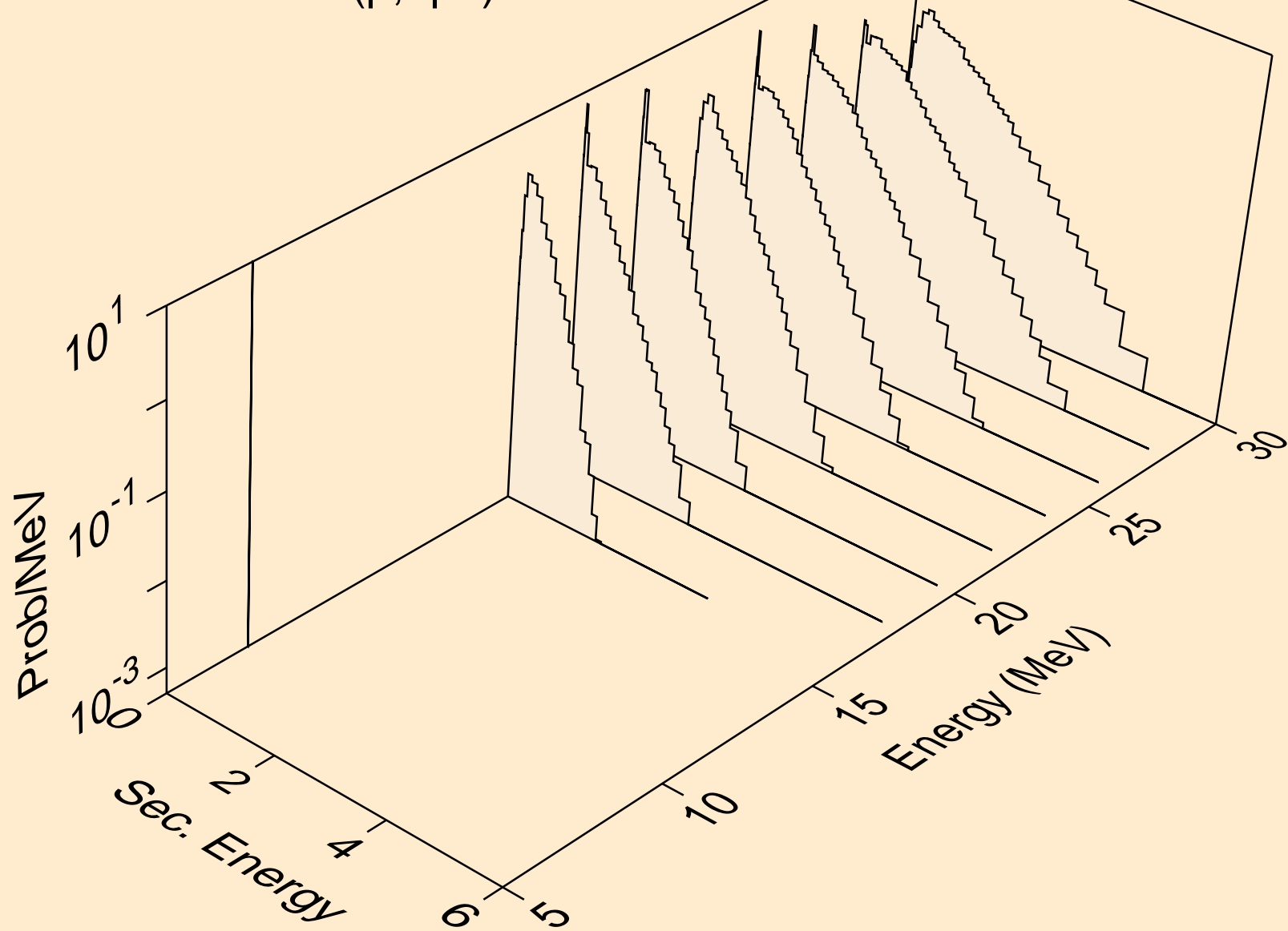
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neutrons from (p,3np)



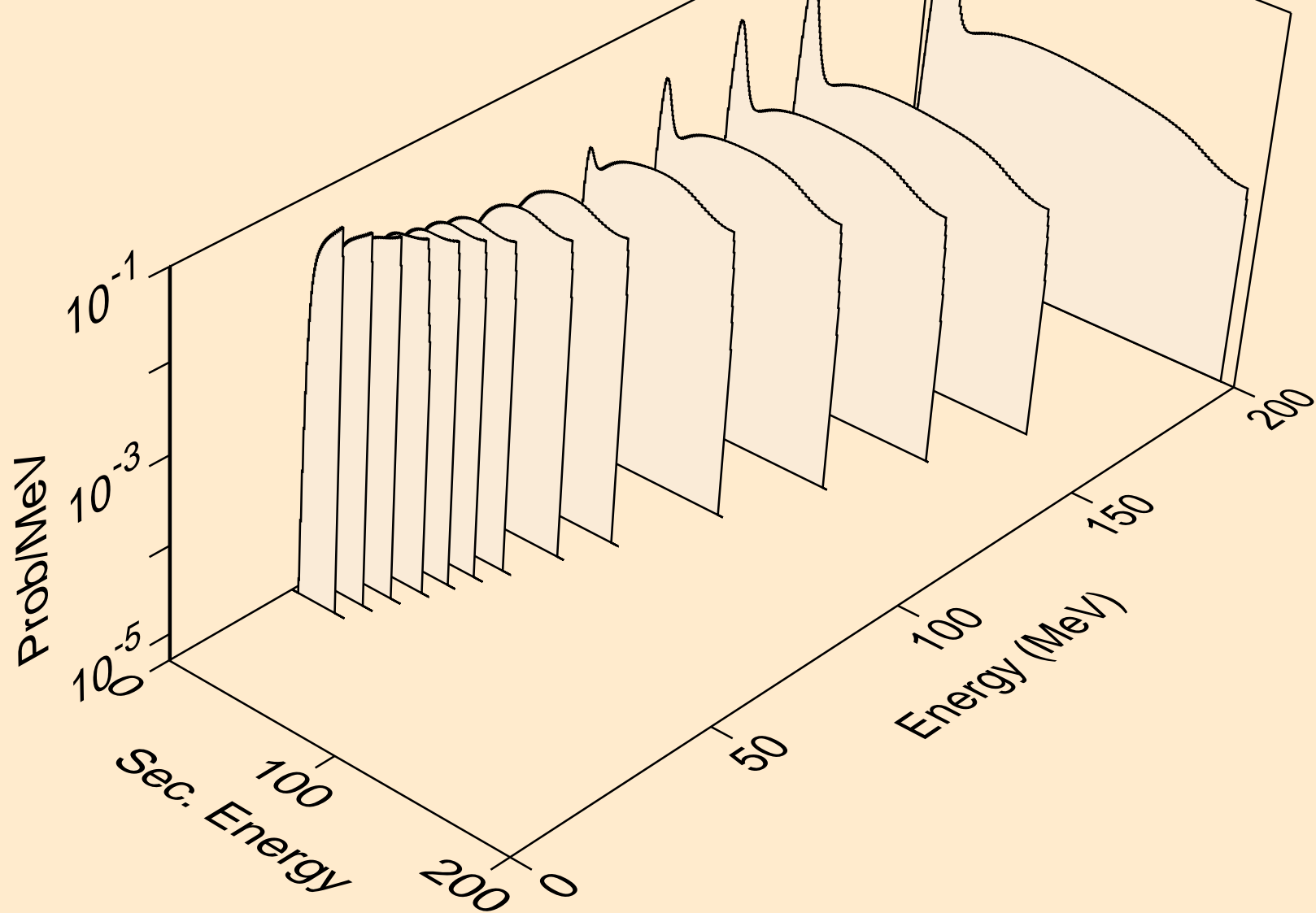
CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2np)



CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,npa)

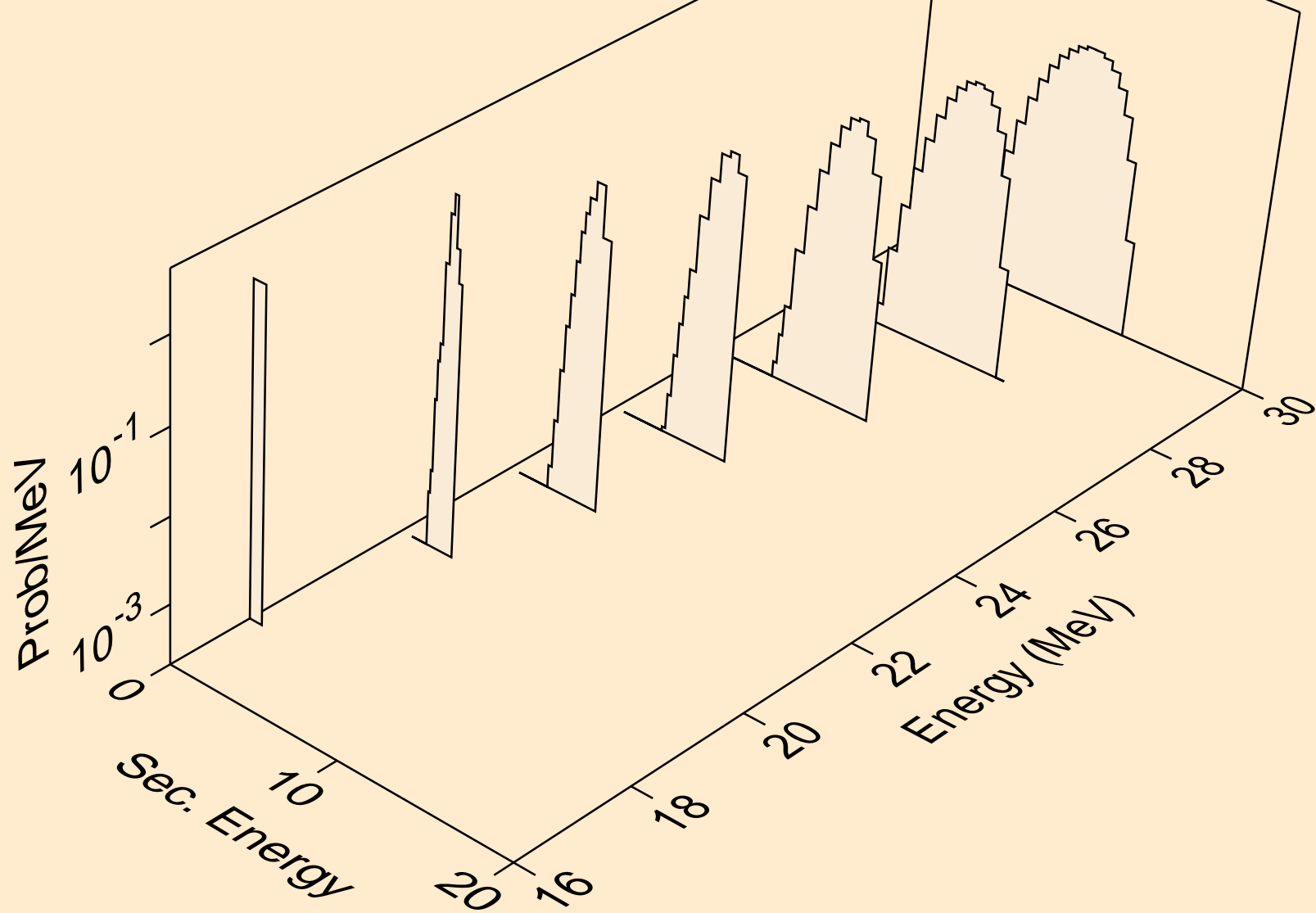


CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,x)

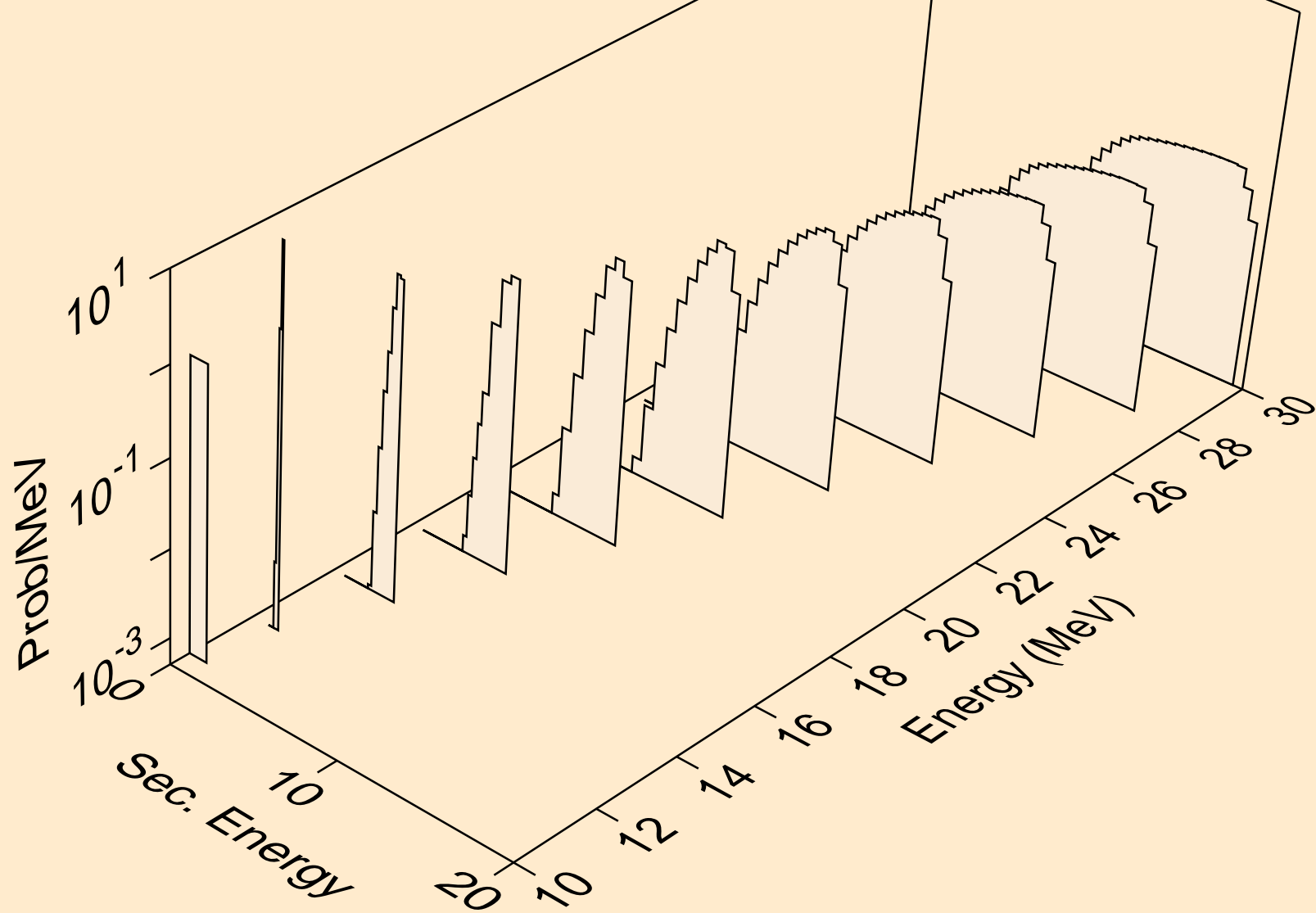




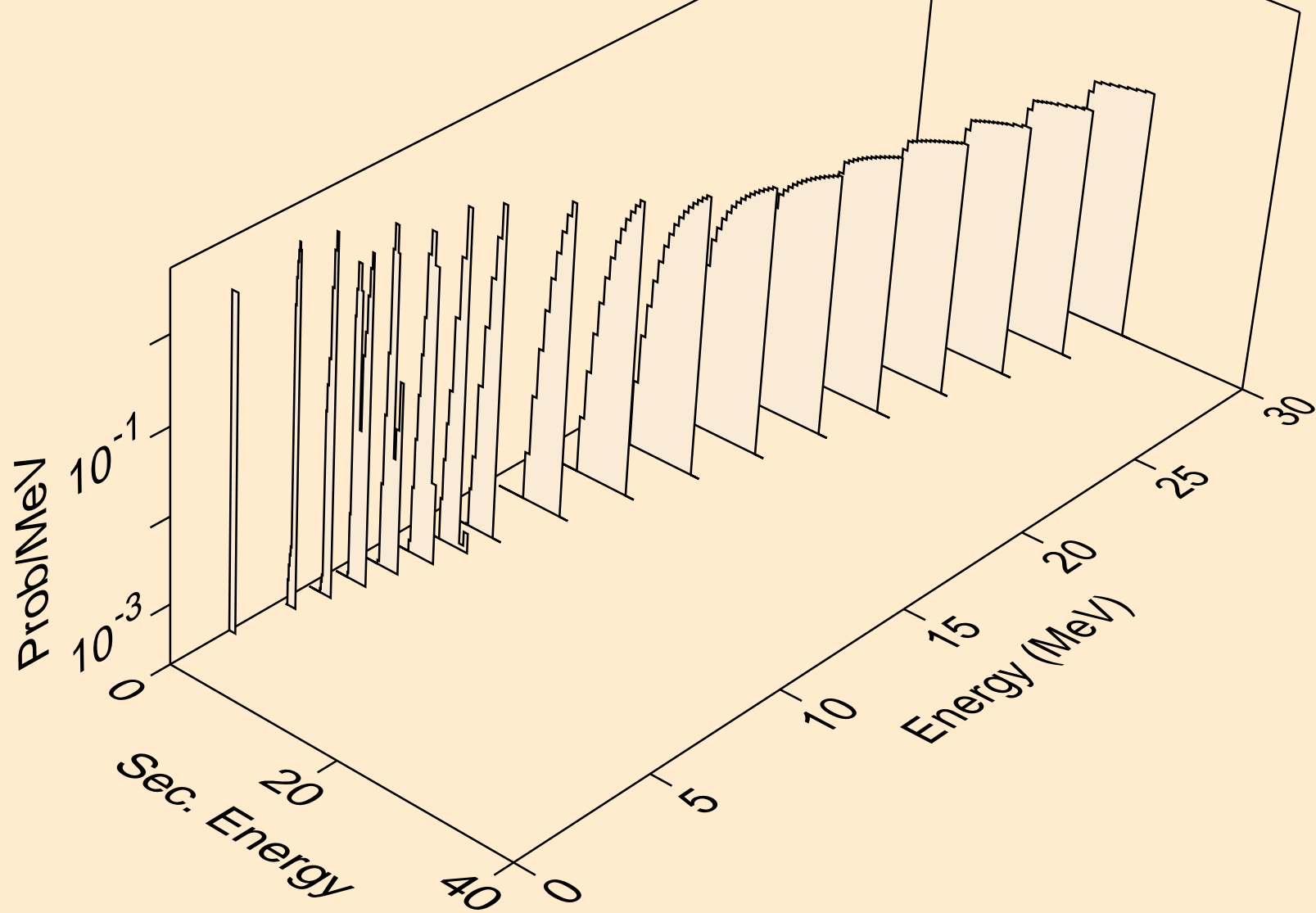
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deuterons from (p,2nd)



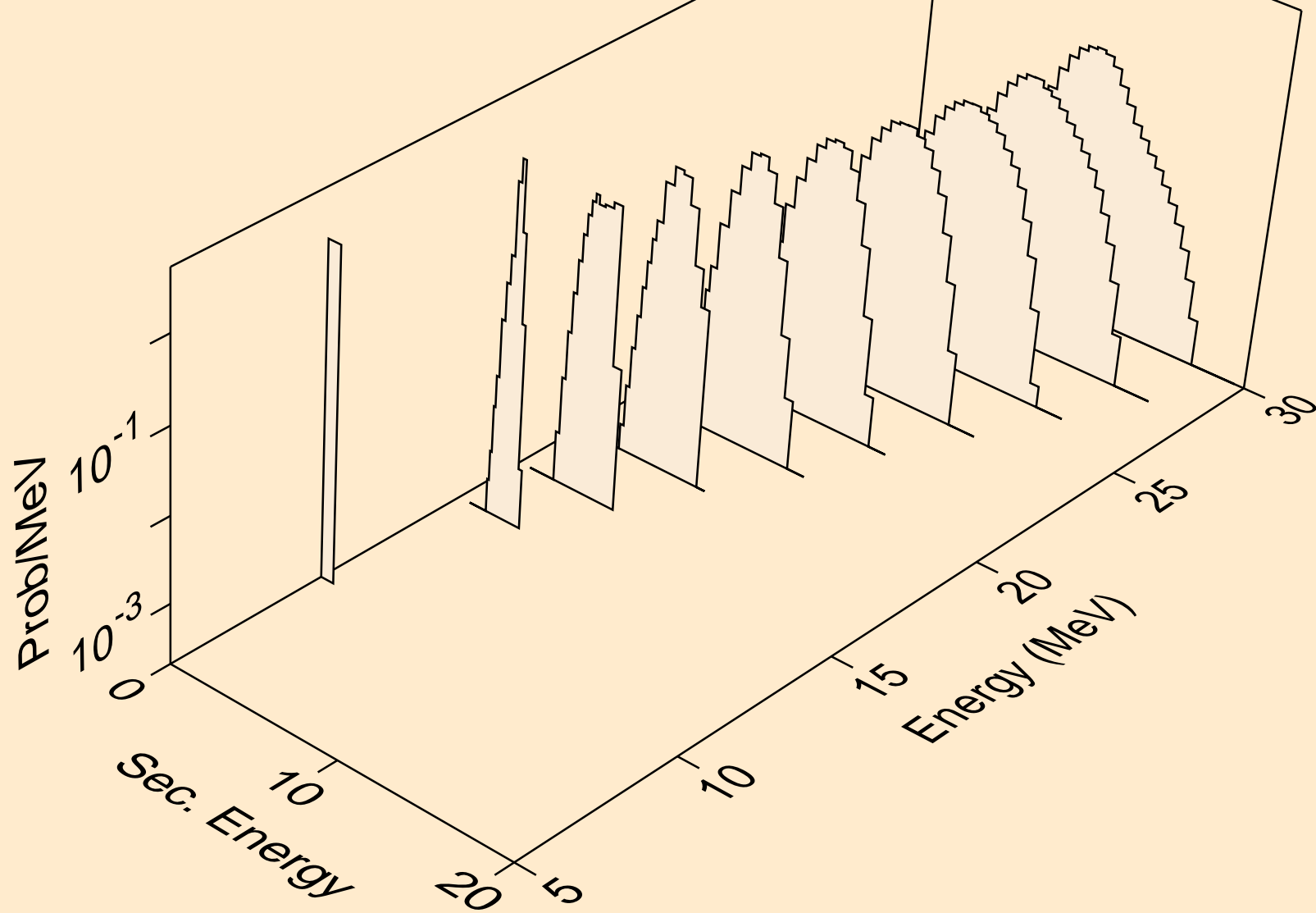
CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,n\*)d



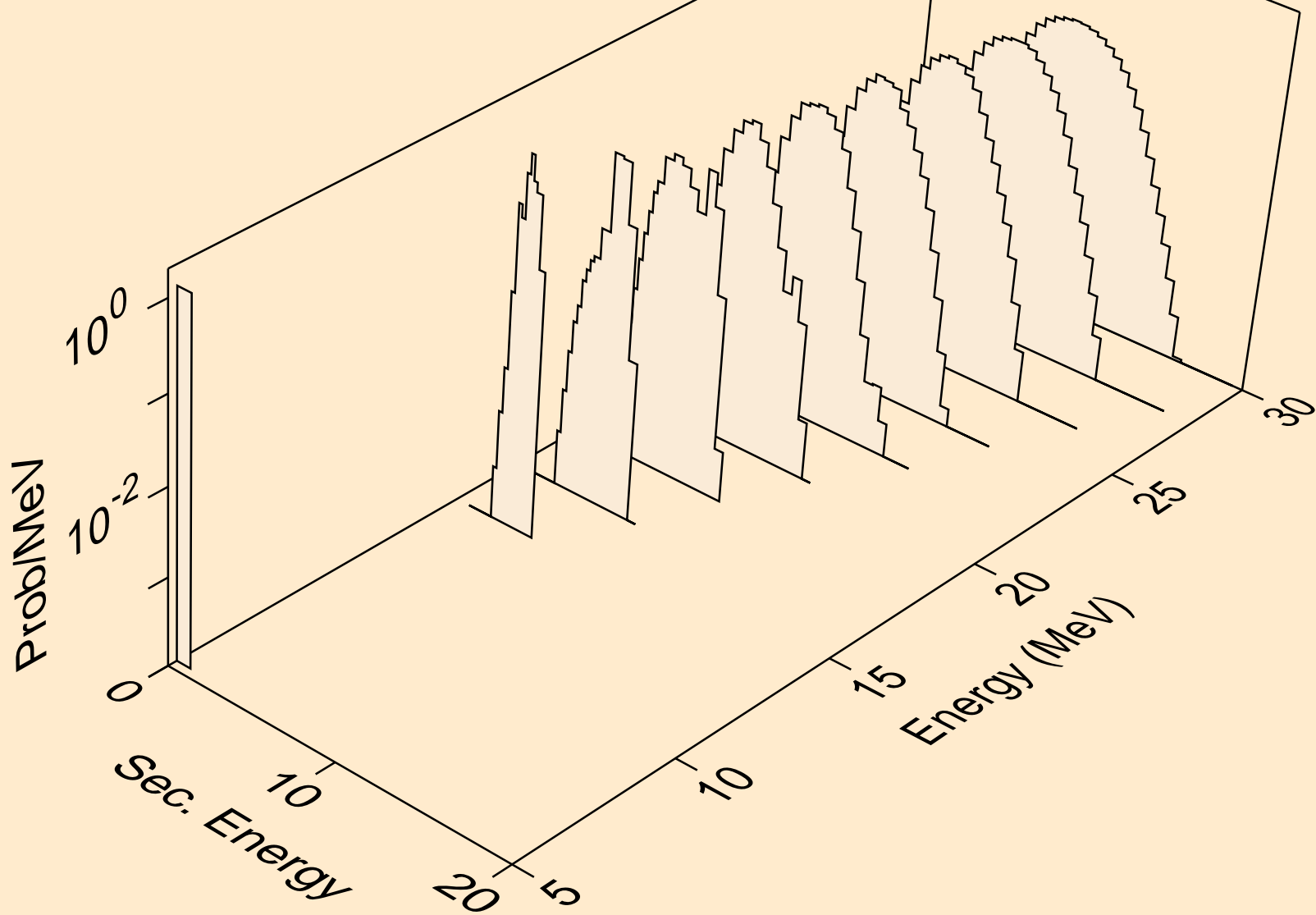
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deuterons from (p,d)



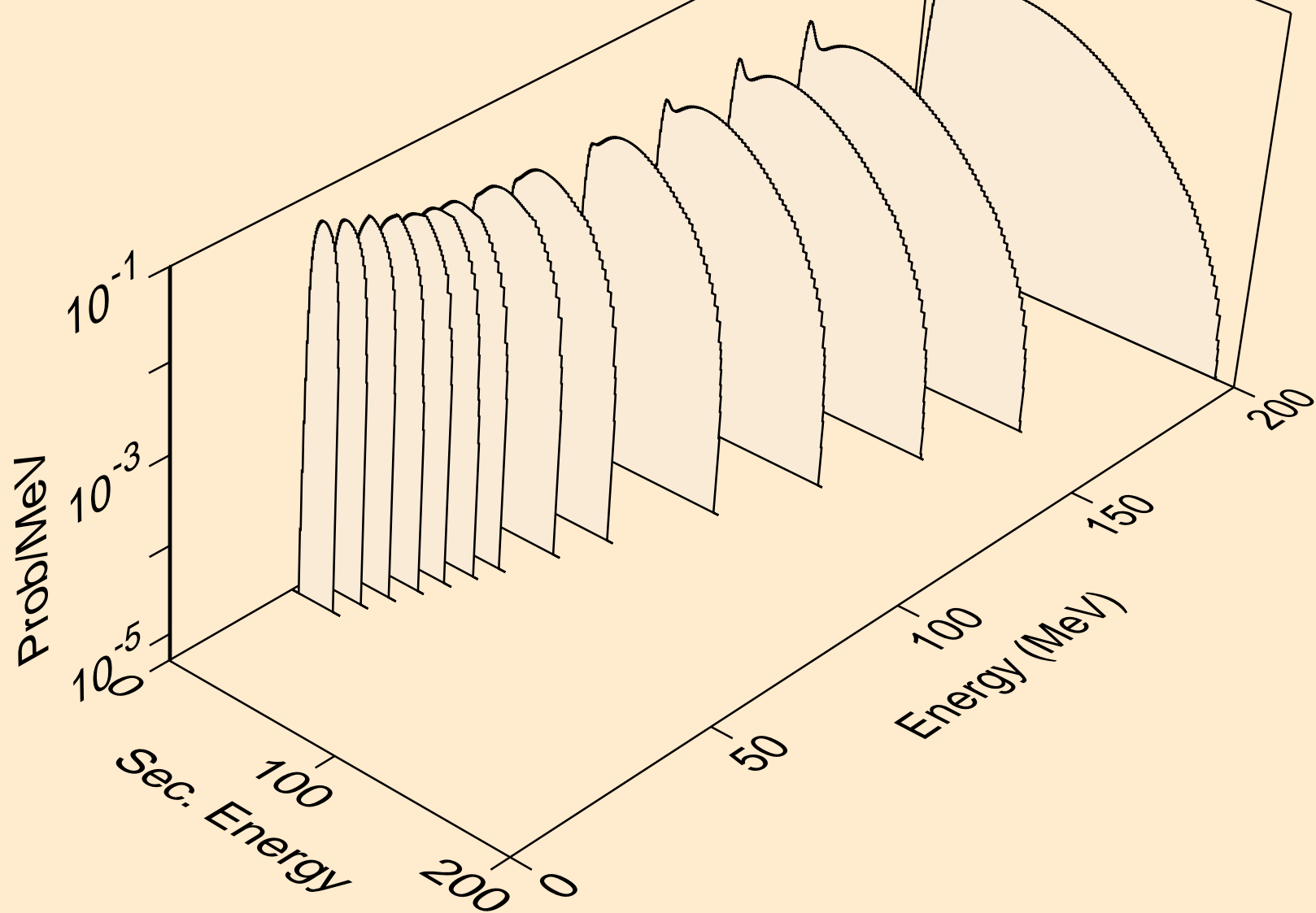
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deuterons from (p,pd)



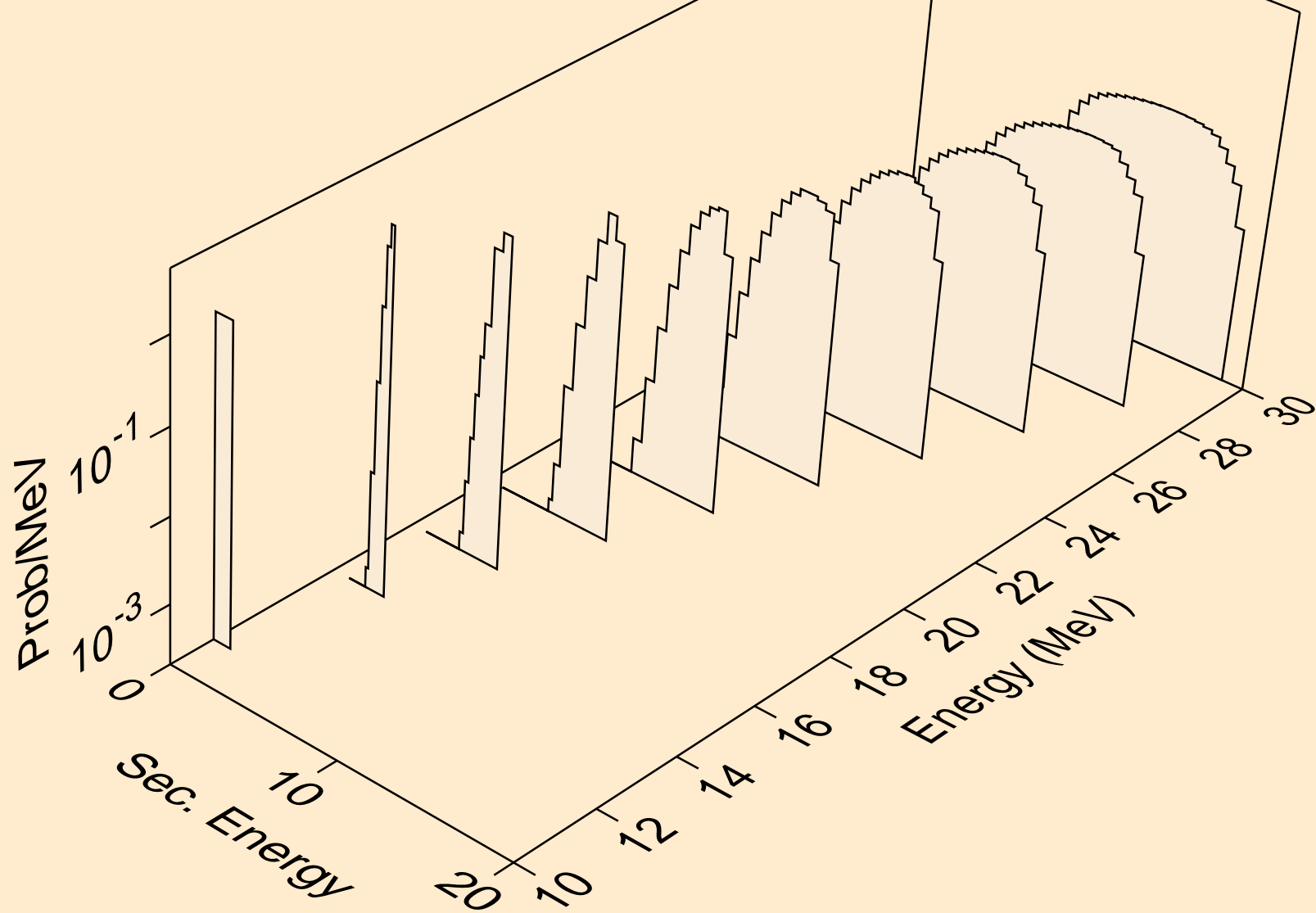
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deuterons from (p,da)



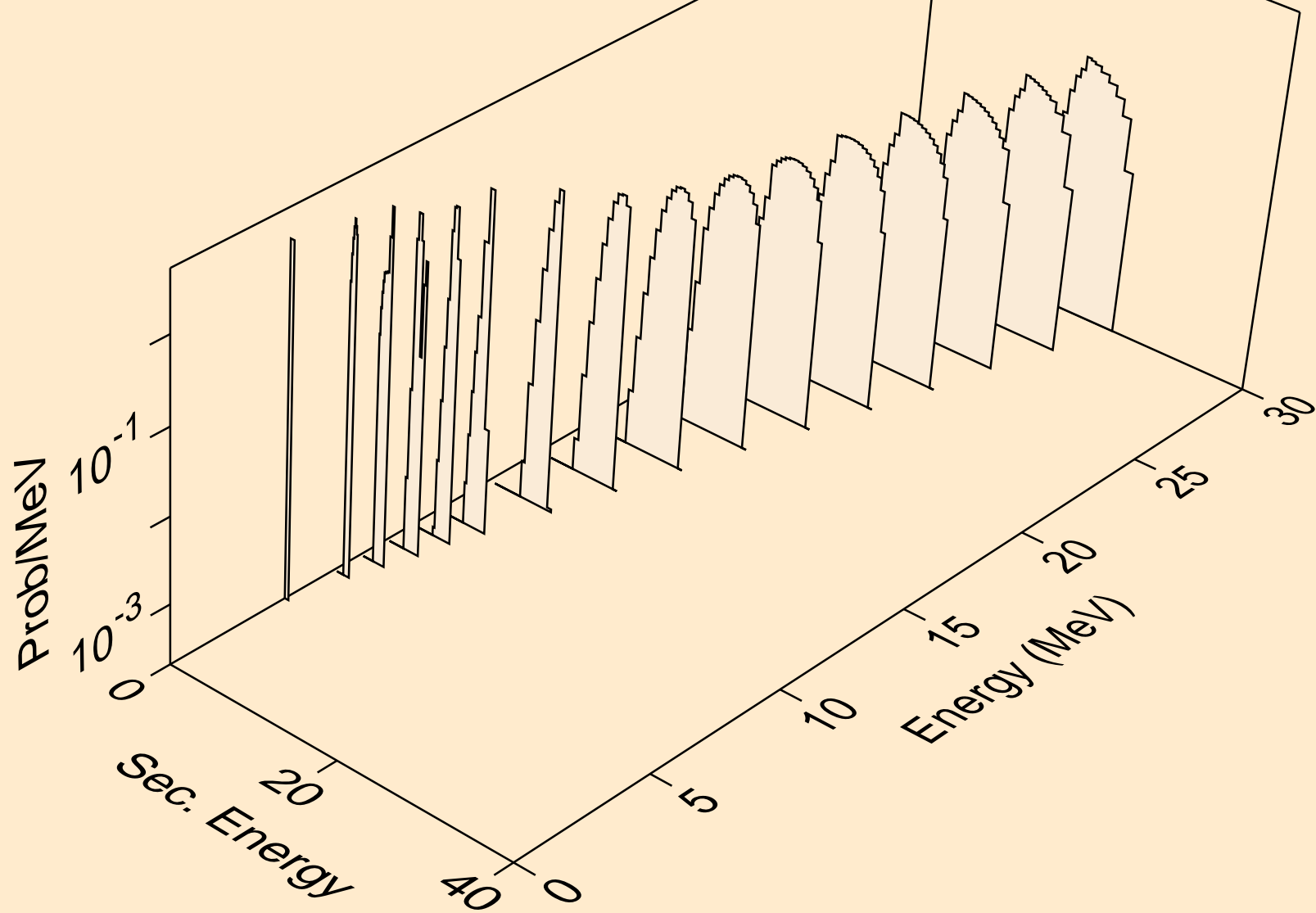
CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,x)



CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,n\*)t

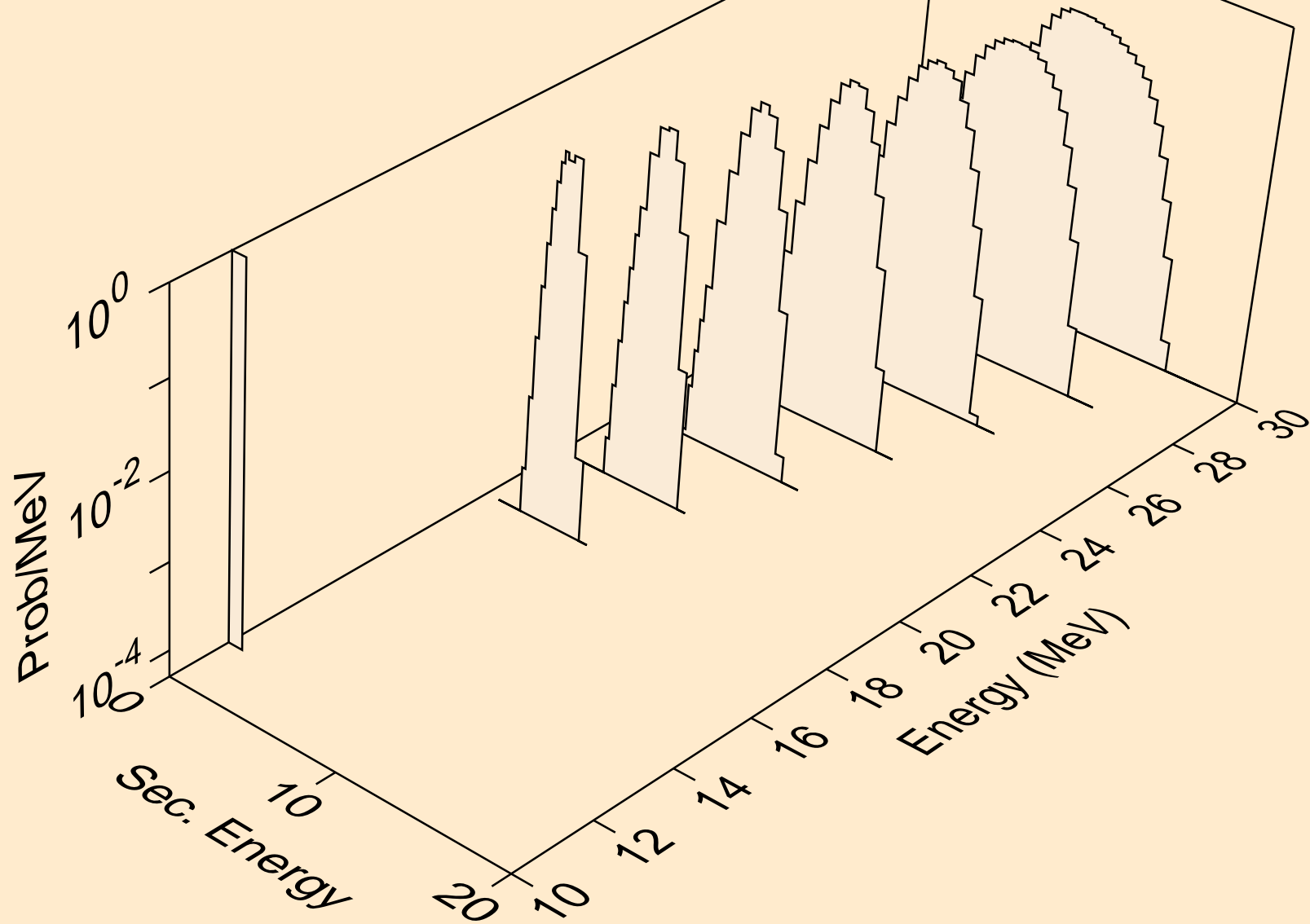


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tritons from (p,t)

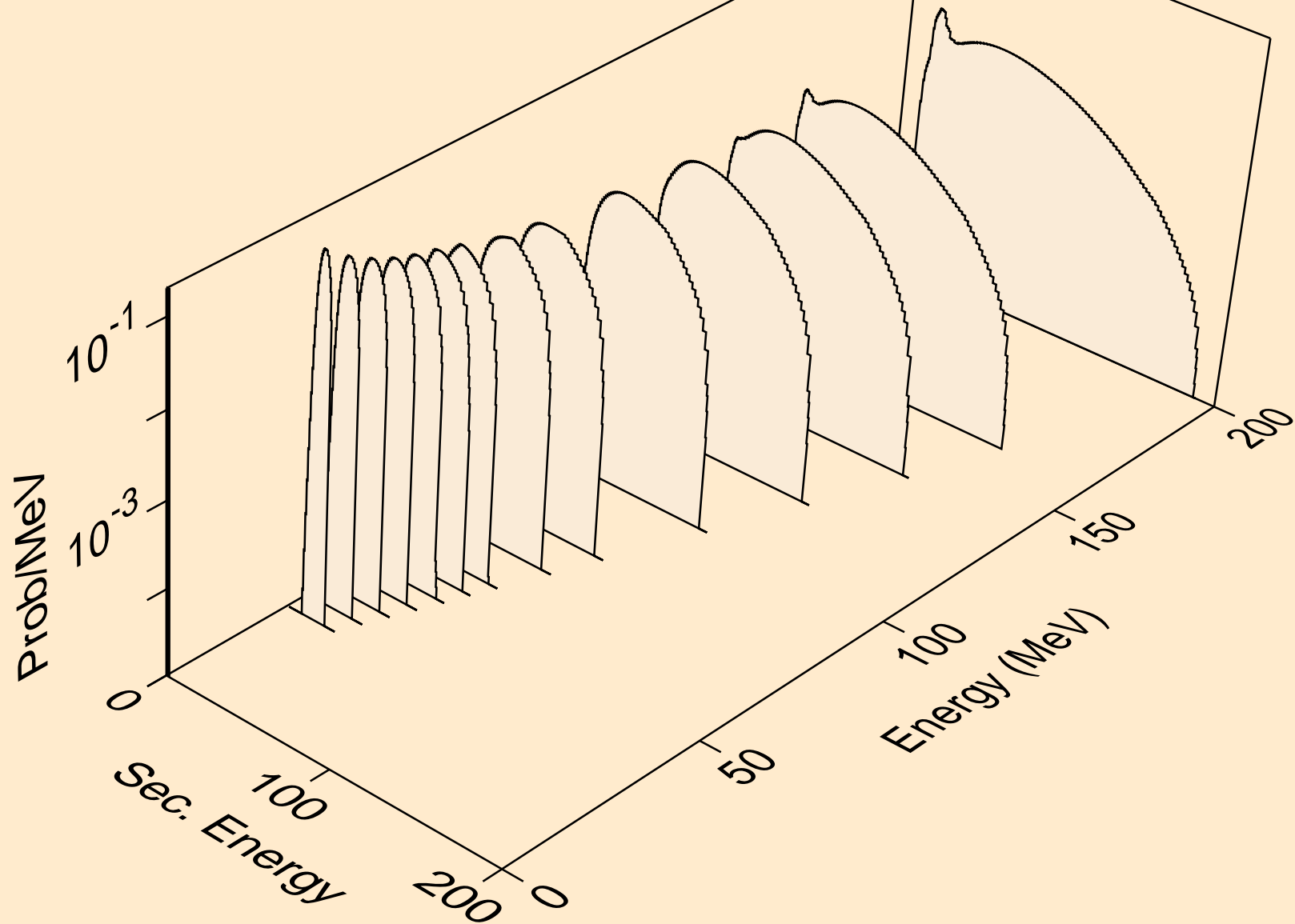




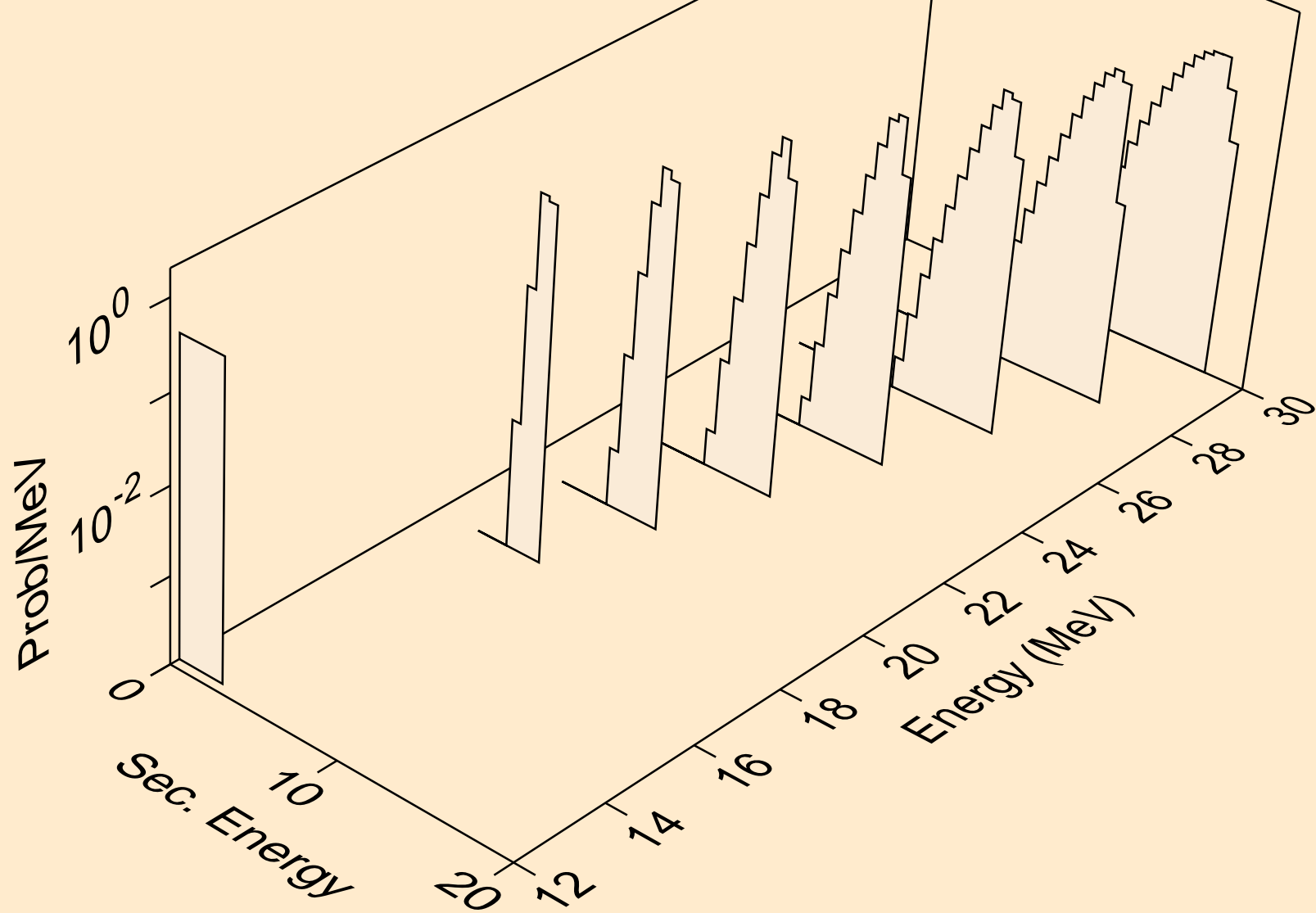
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tritons from (p,pt)



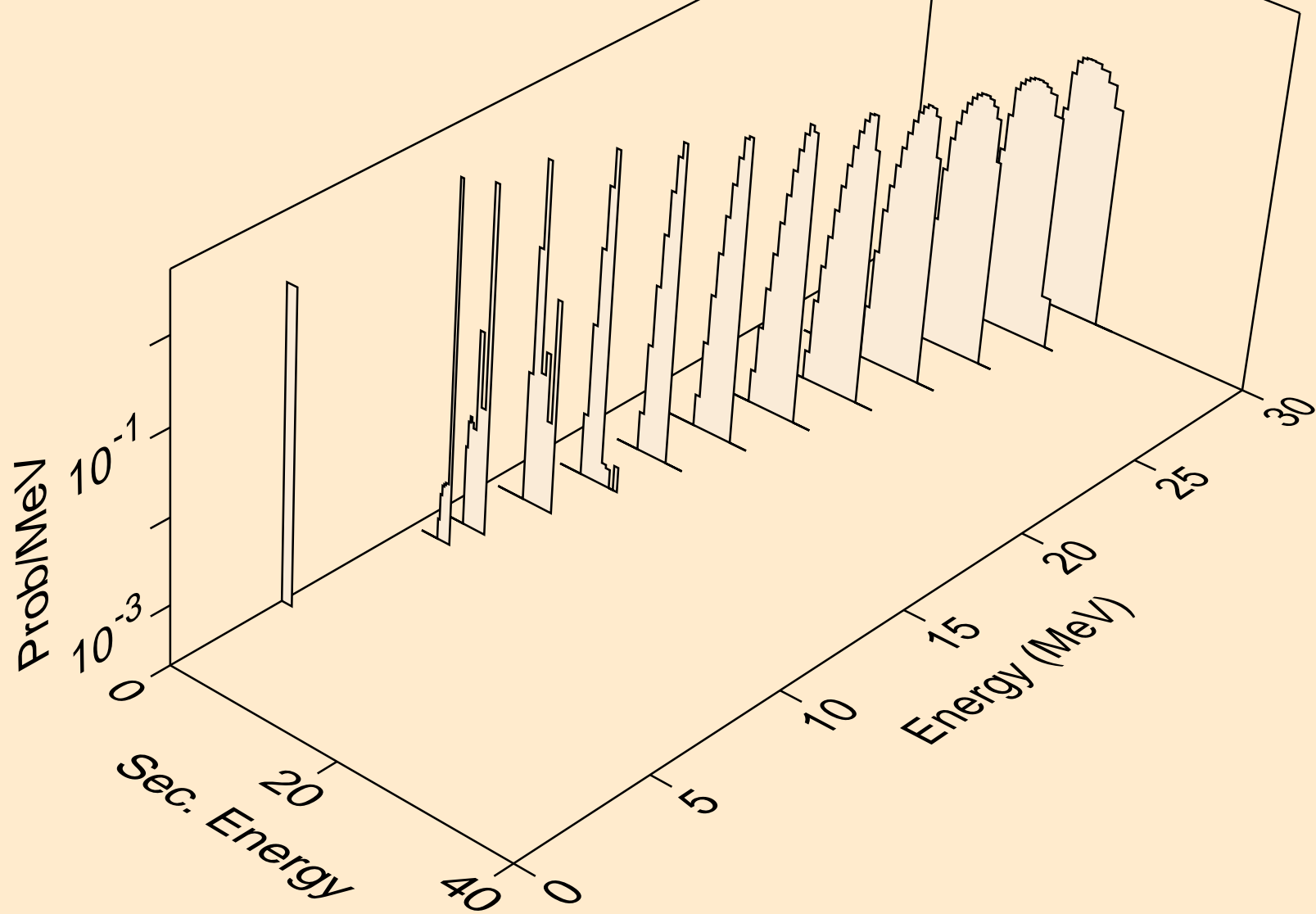
CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,x)



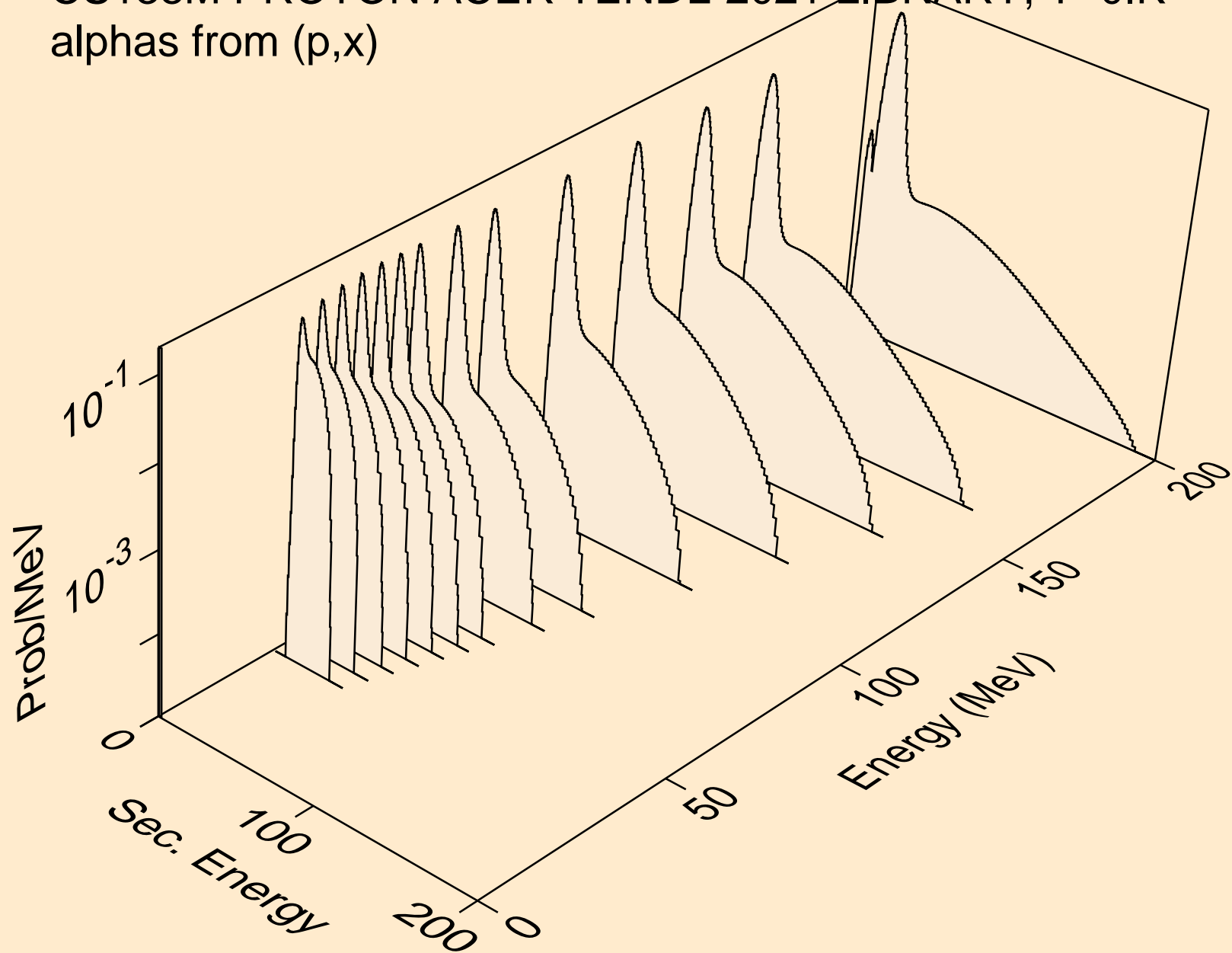
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he3s from (p,n\*)he3



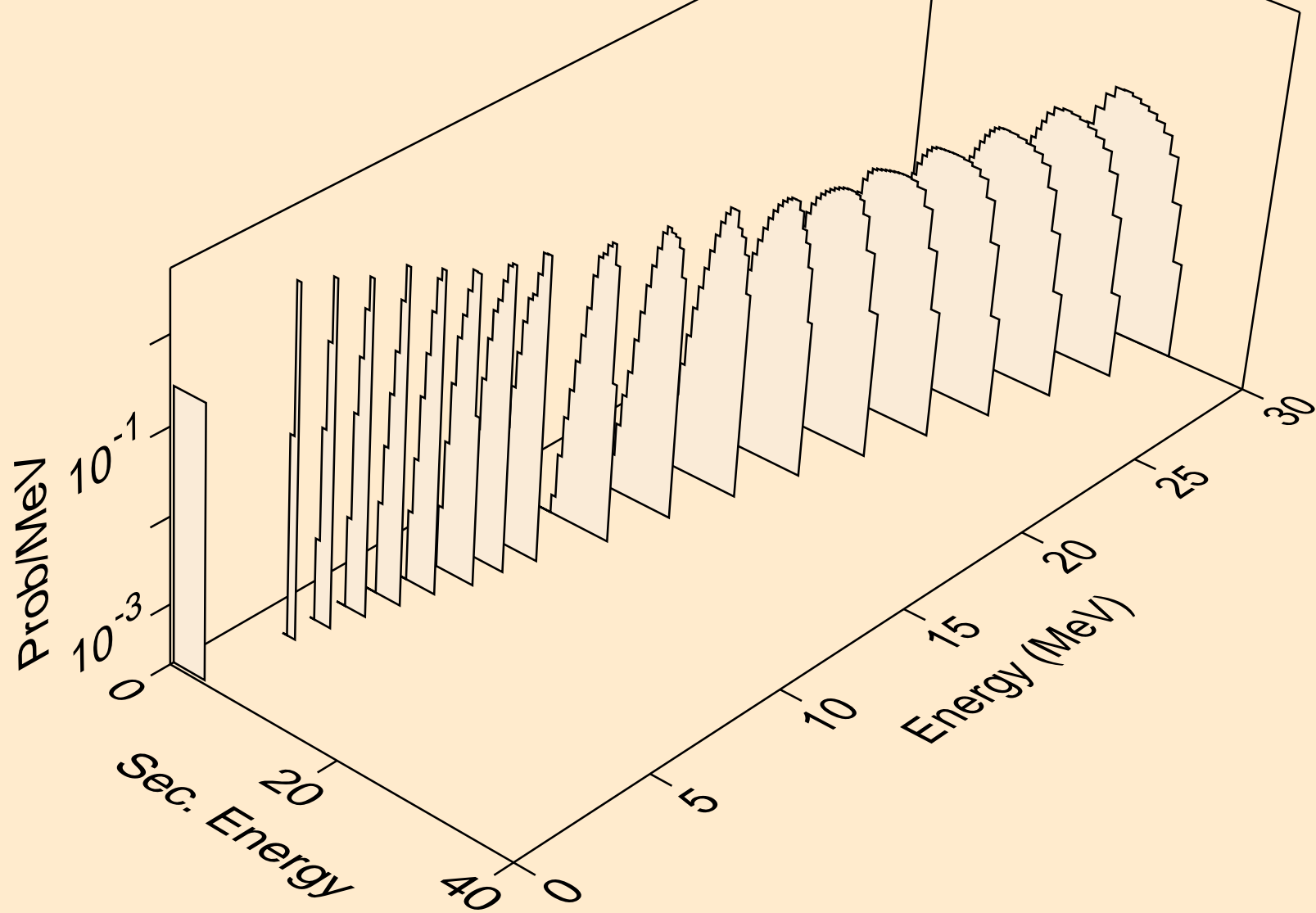
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he3s from (p,he3)



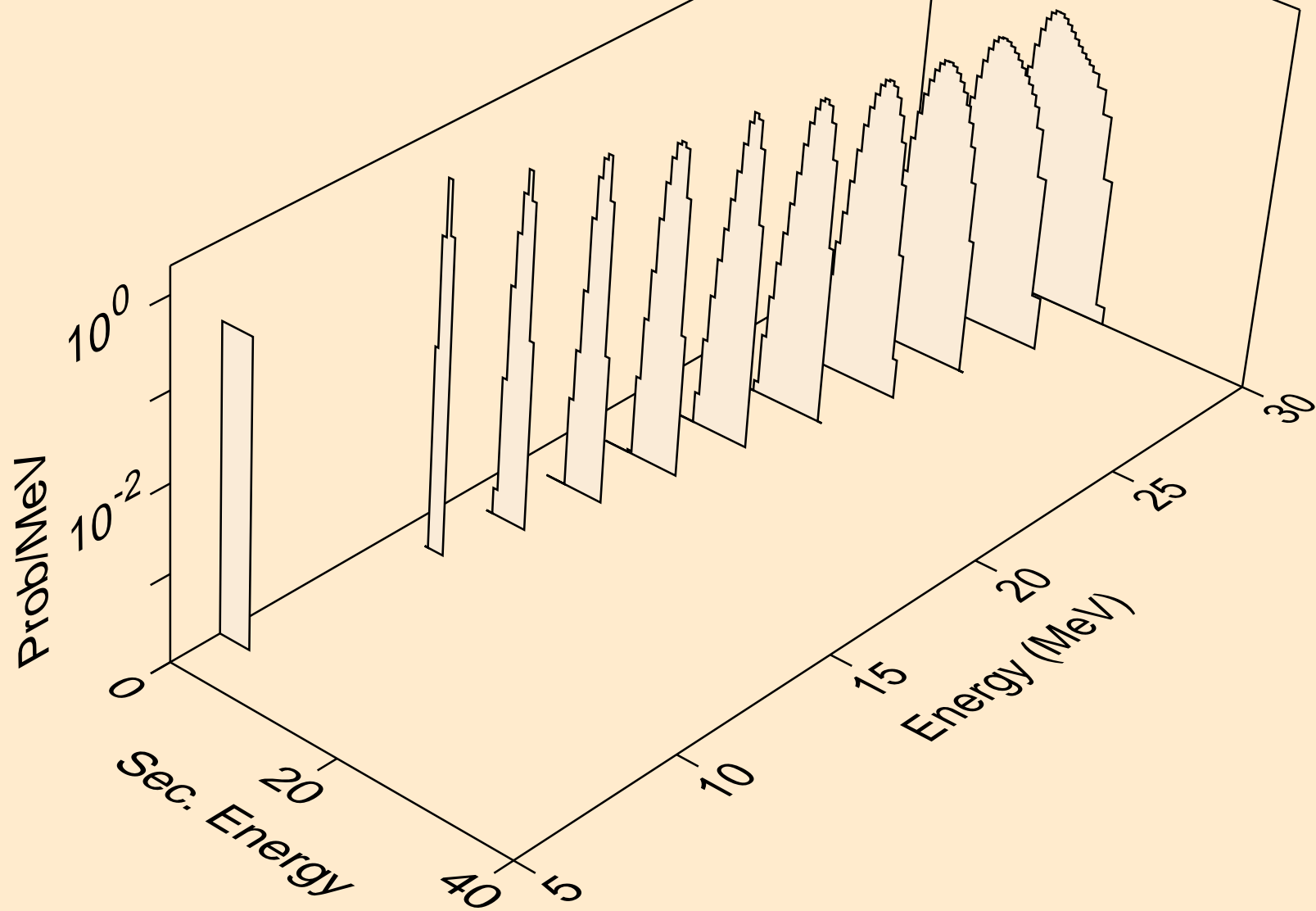
CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,x)



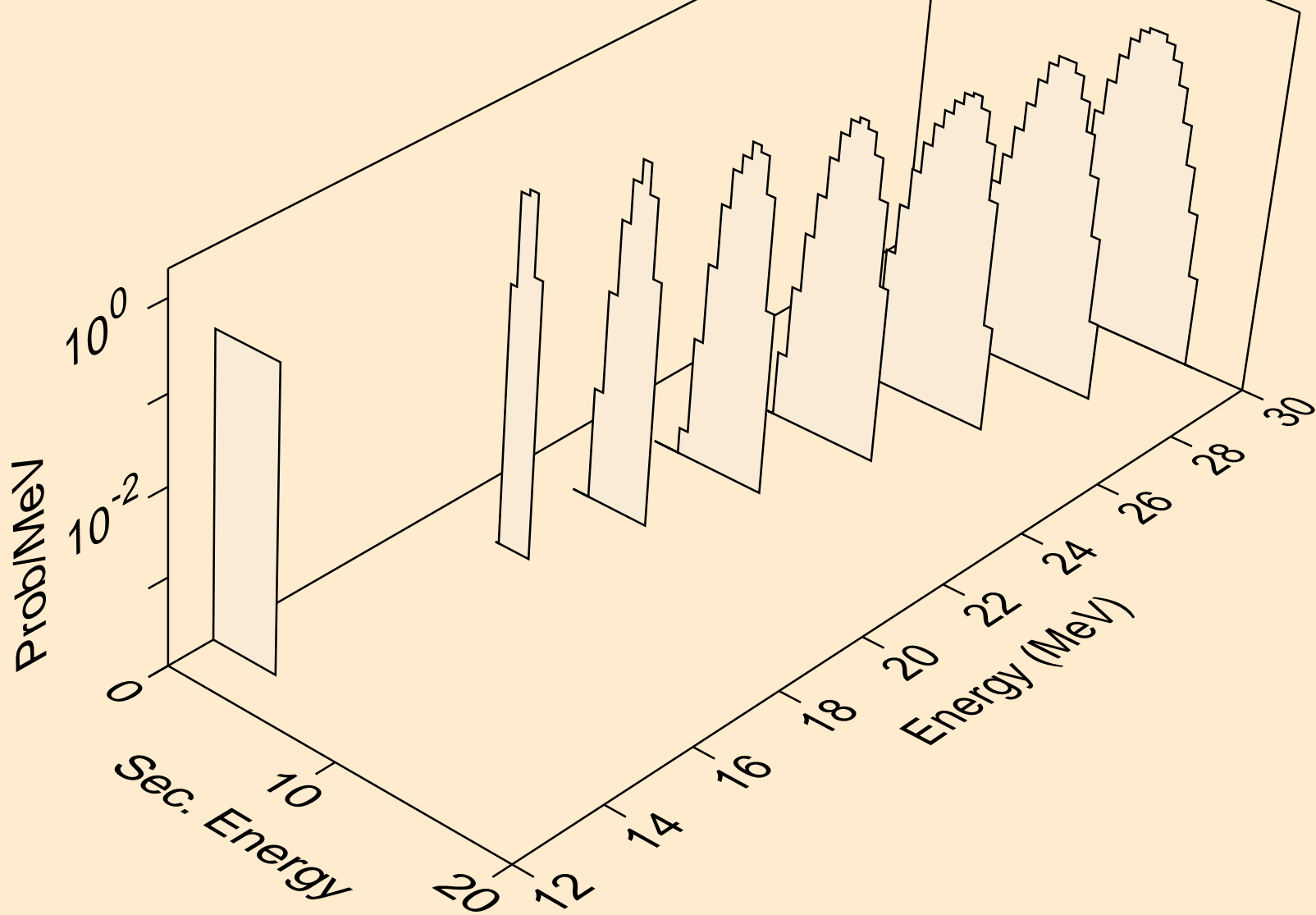
CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)a



CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2n)a

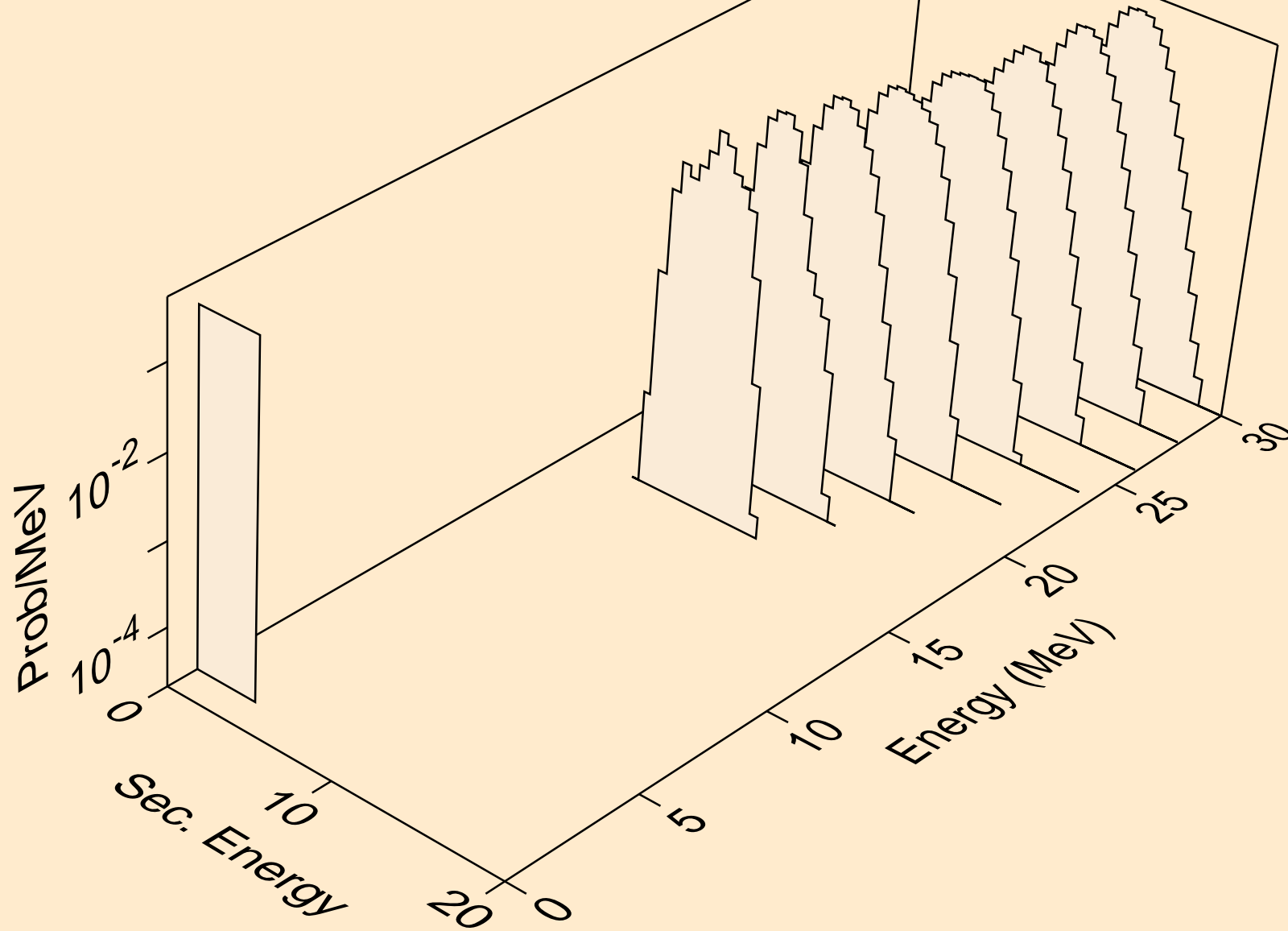


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alphas from (p,3n)a

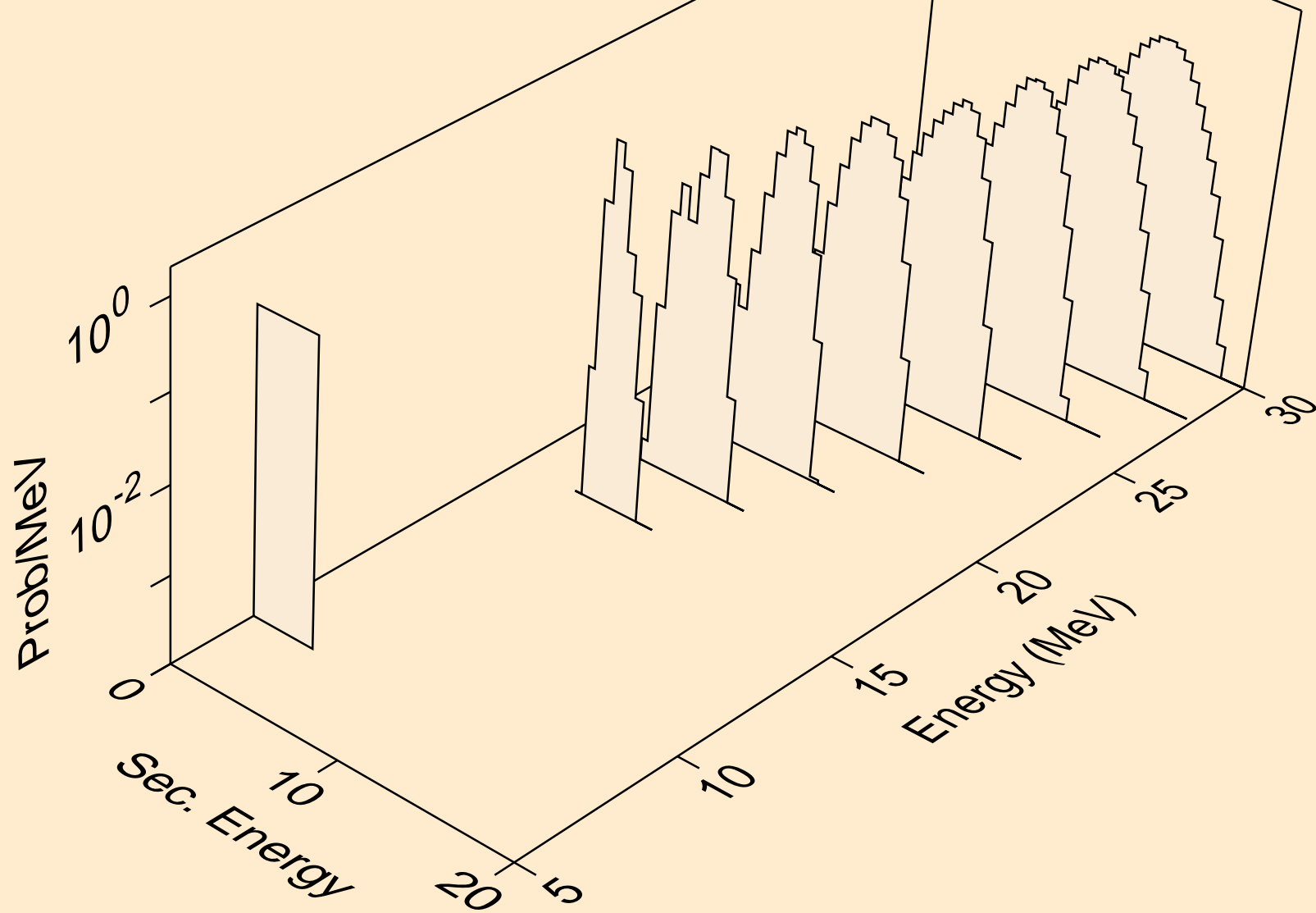




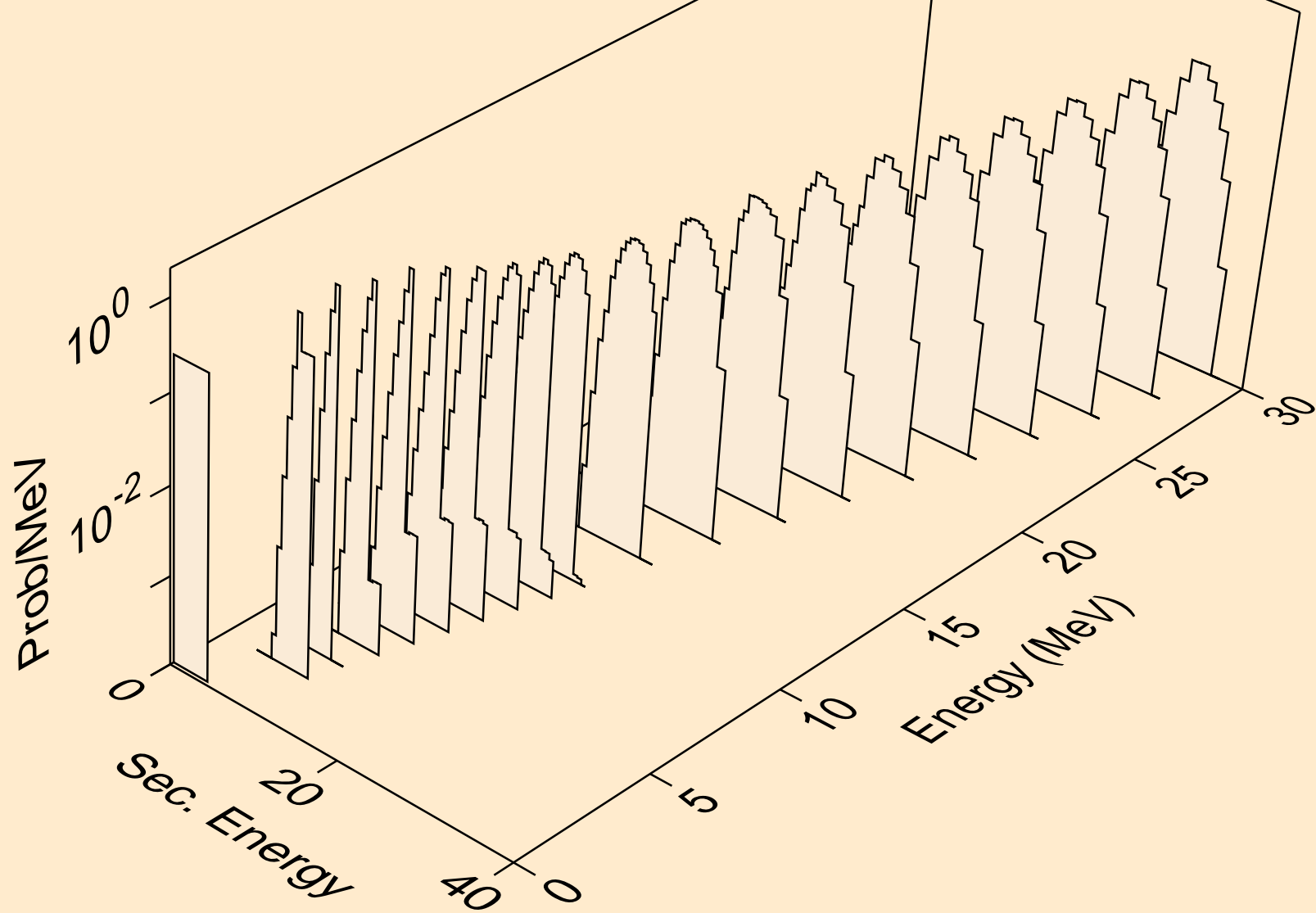
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alphas from (p,n\*)2a



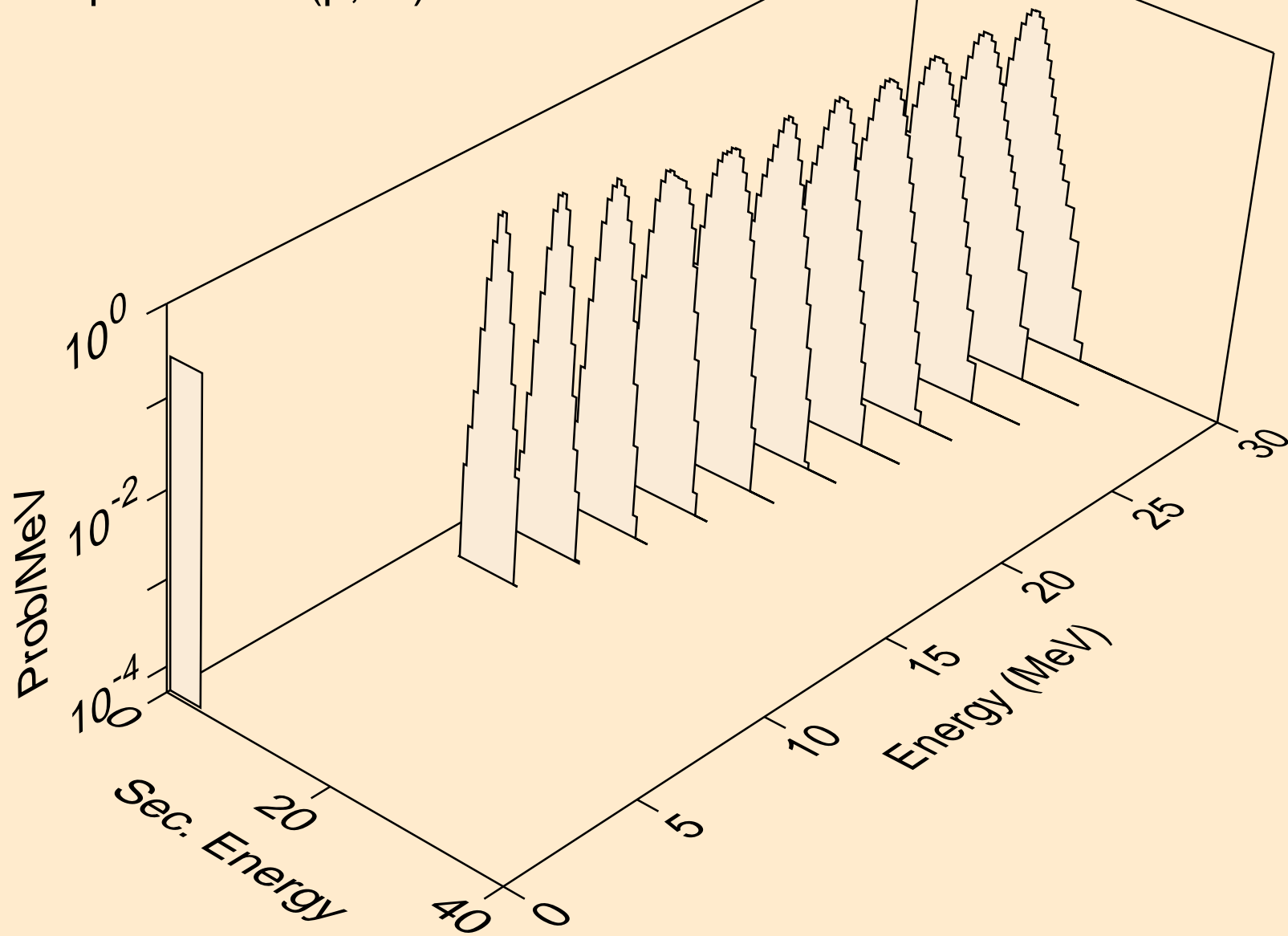
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alphas from (p,npa)



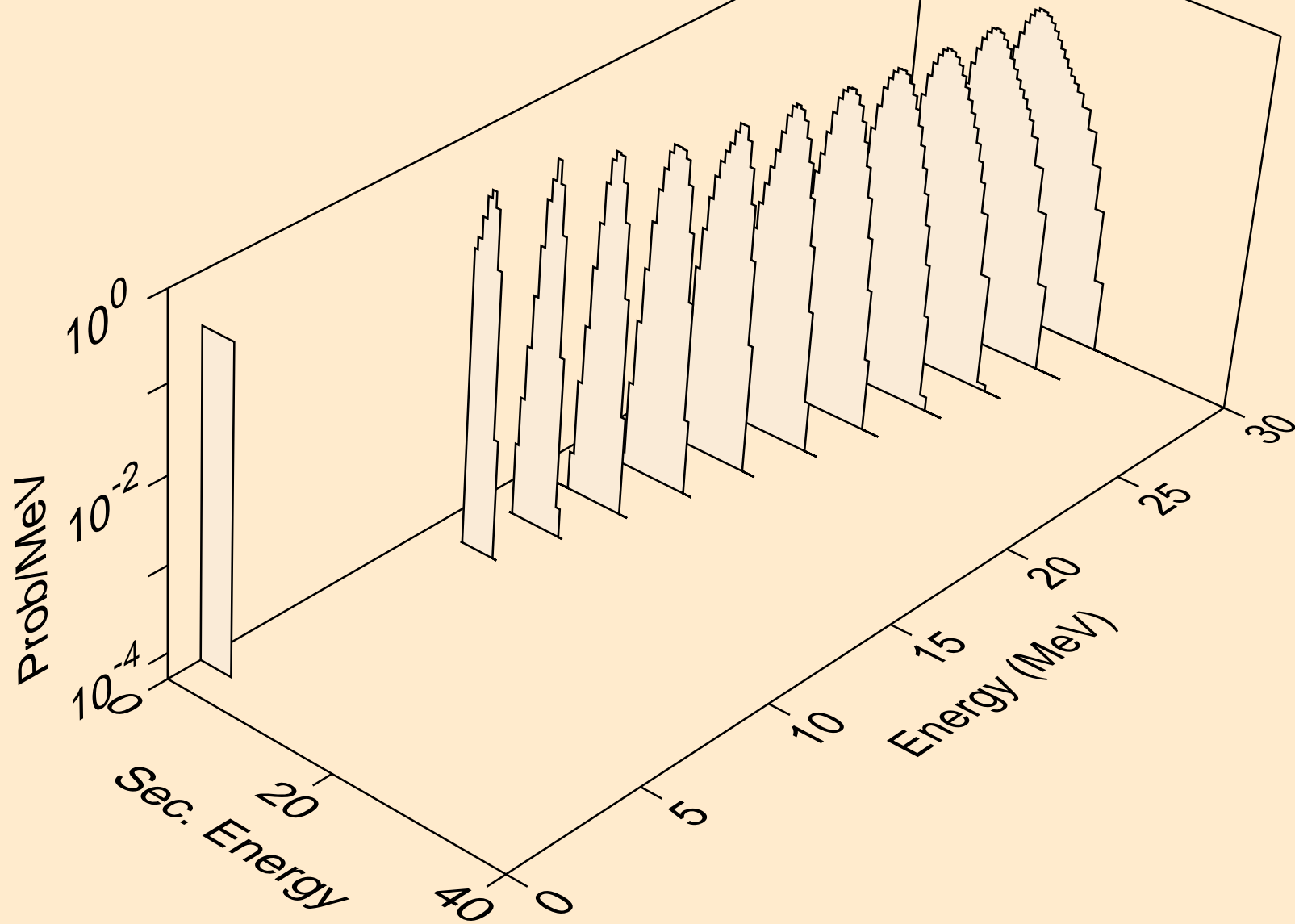
CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,a)



CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2a)



CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,pa)



CS138M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,da)

