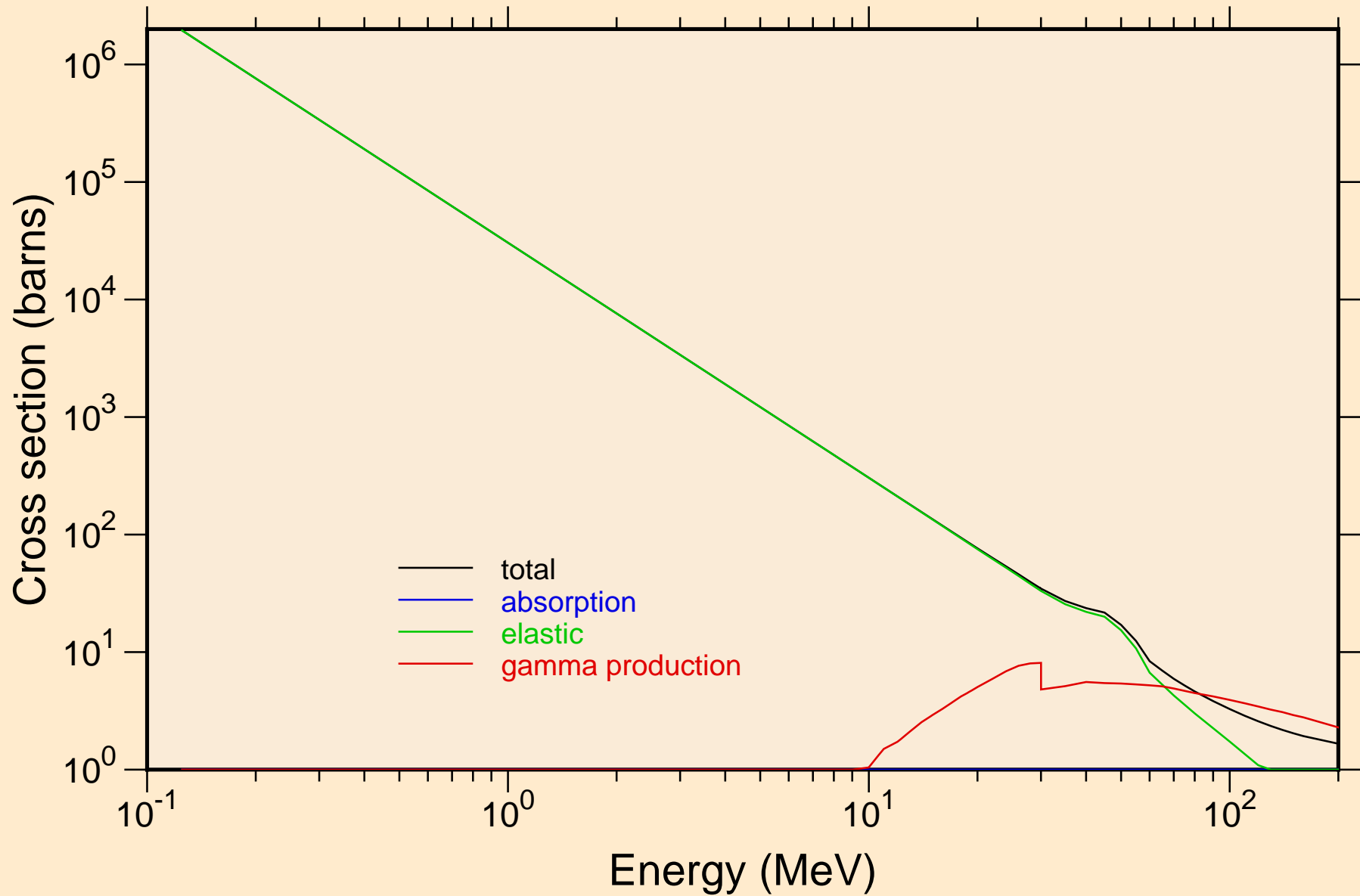


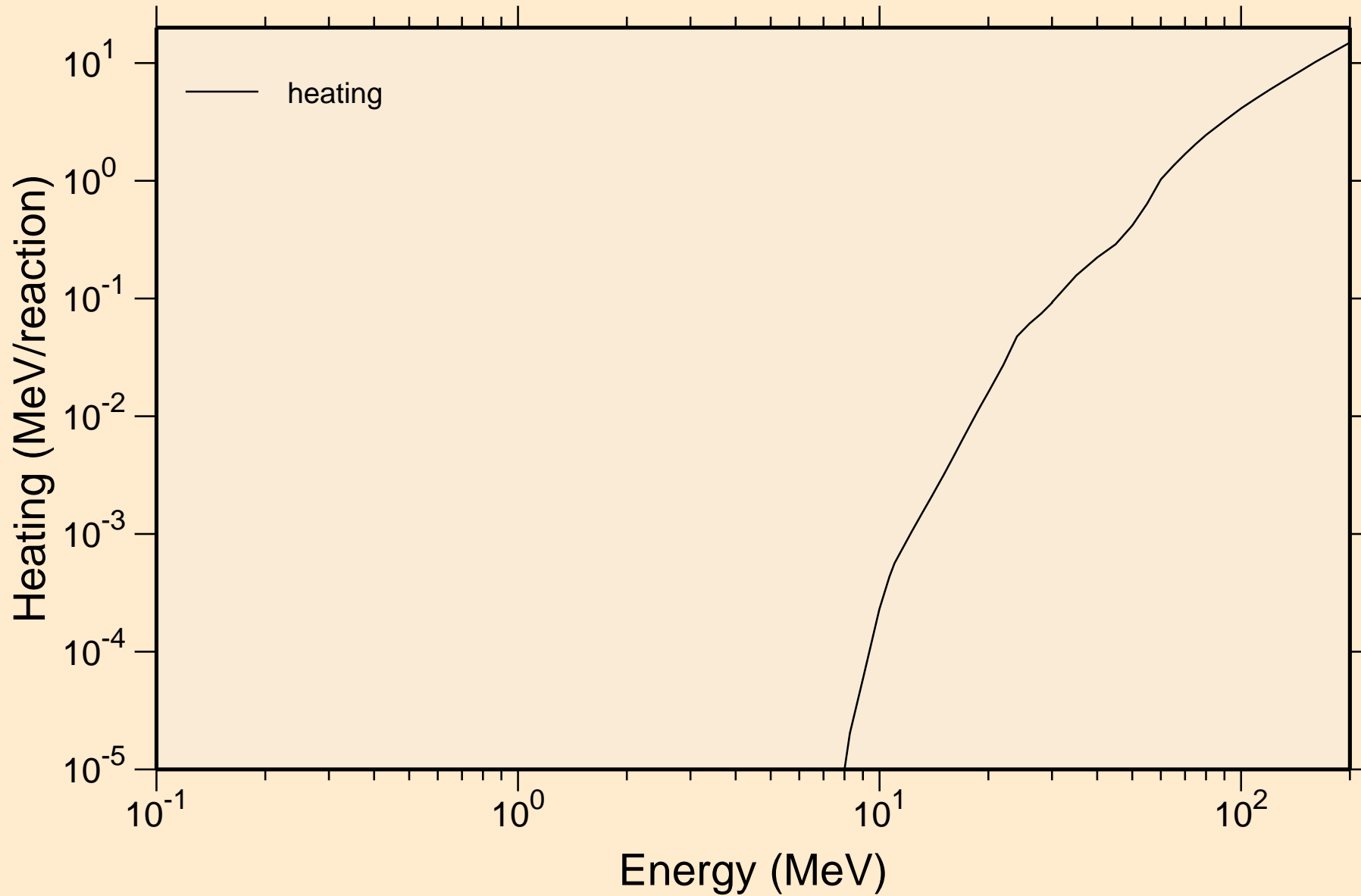
# YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



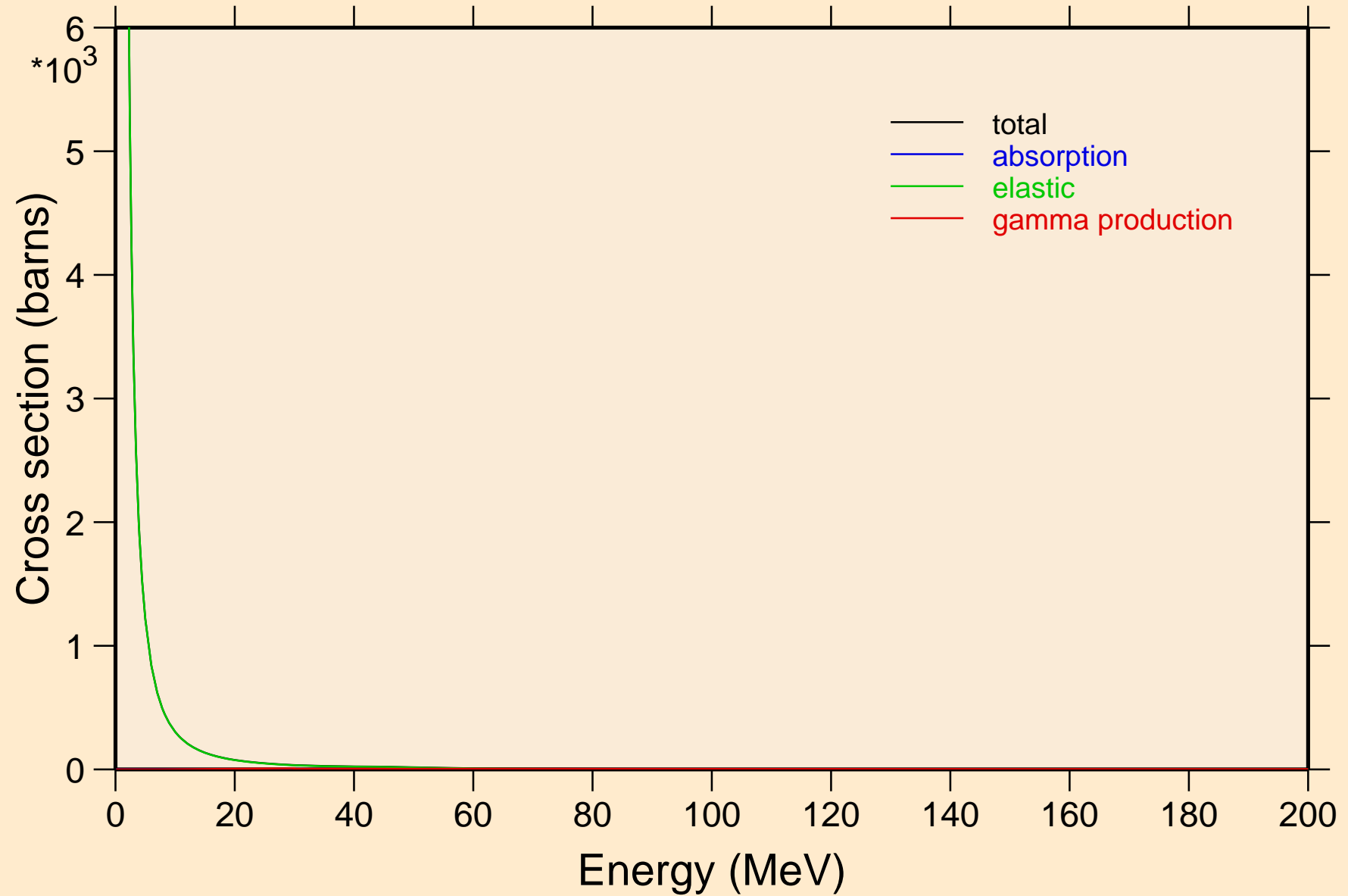
# YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



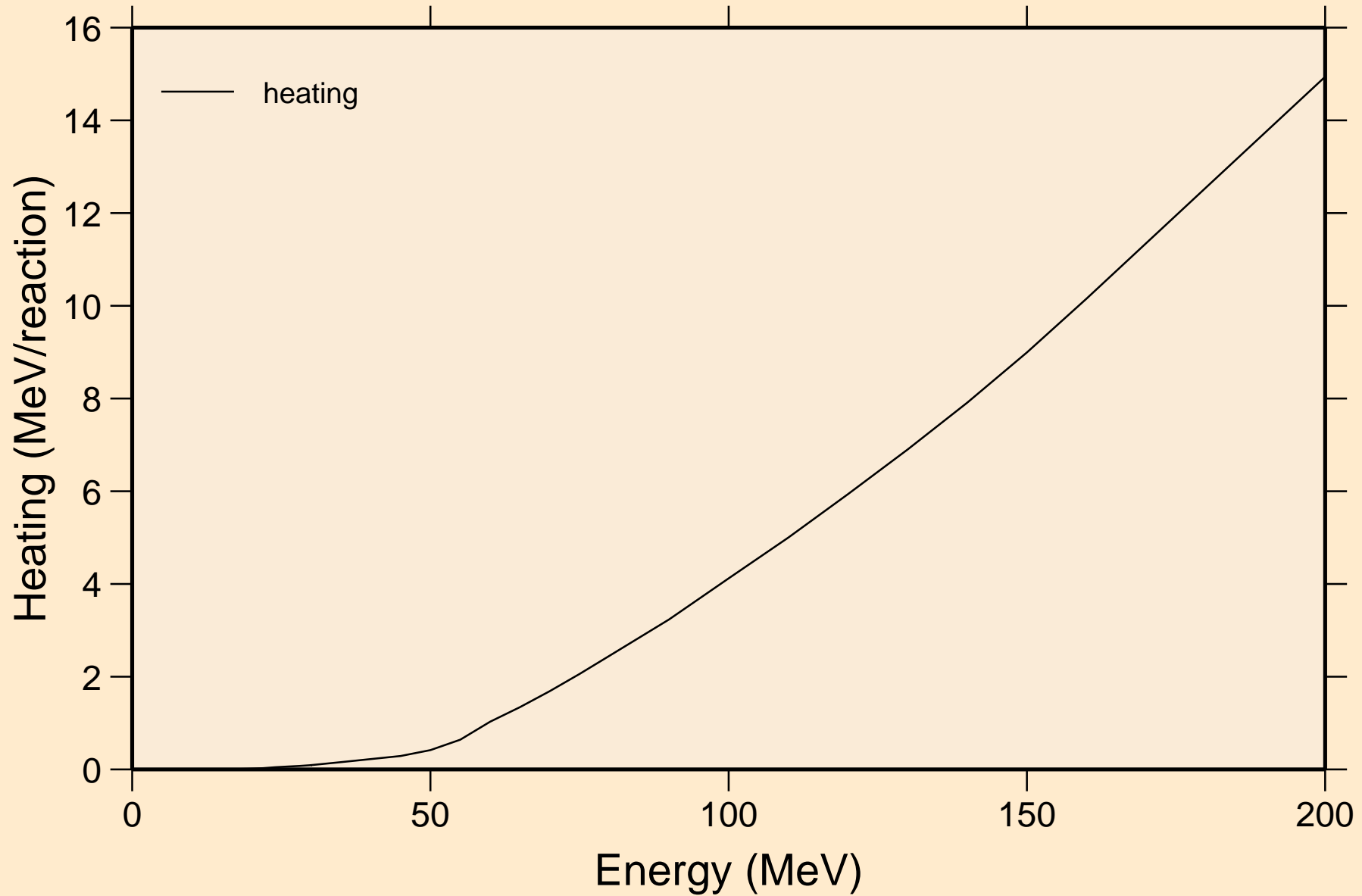
# YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



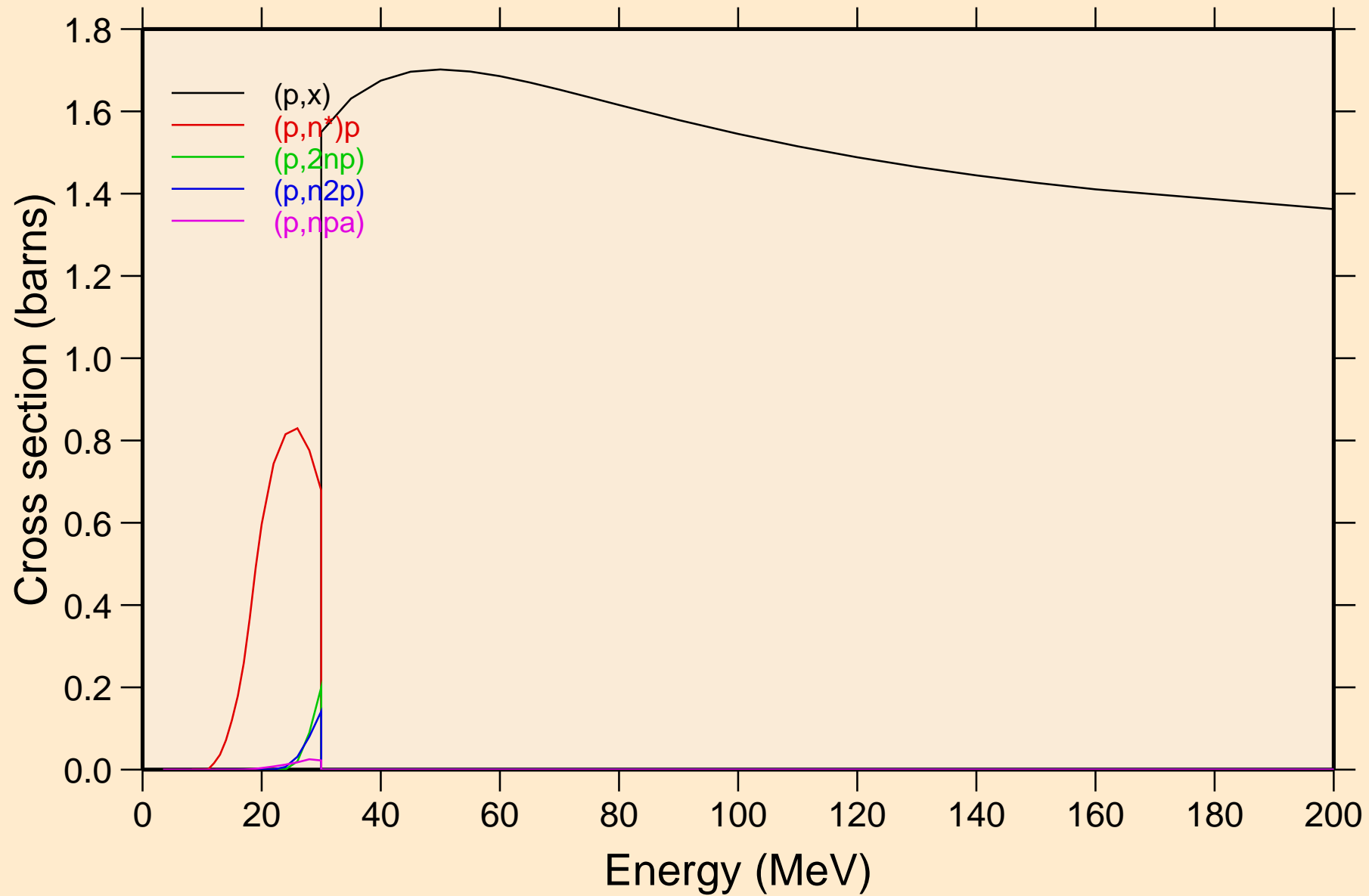
# YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

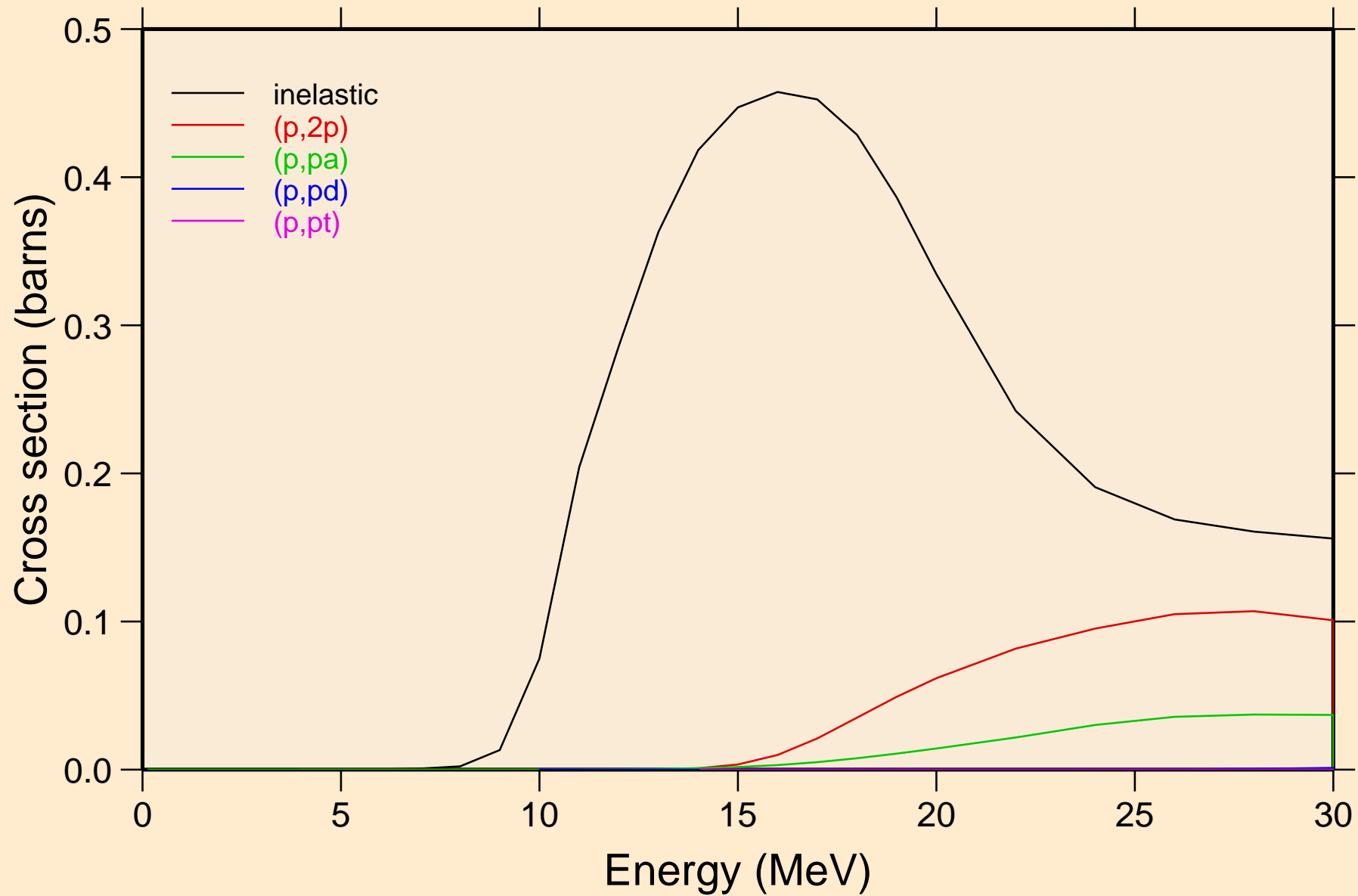


# YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K

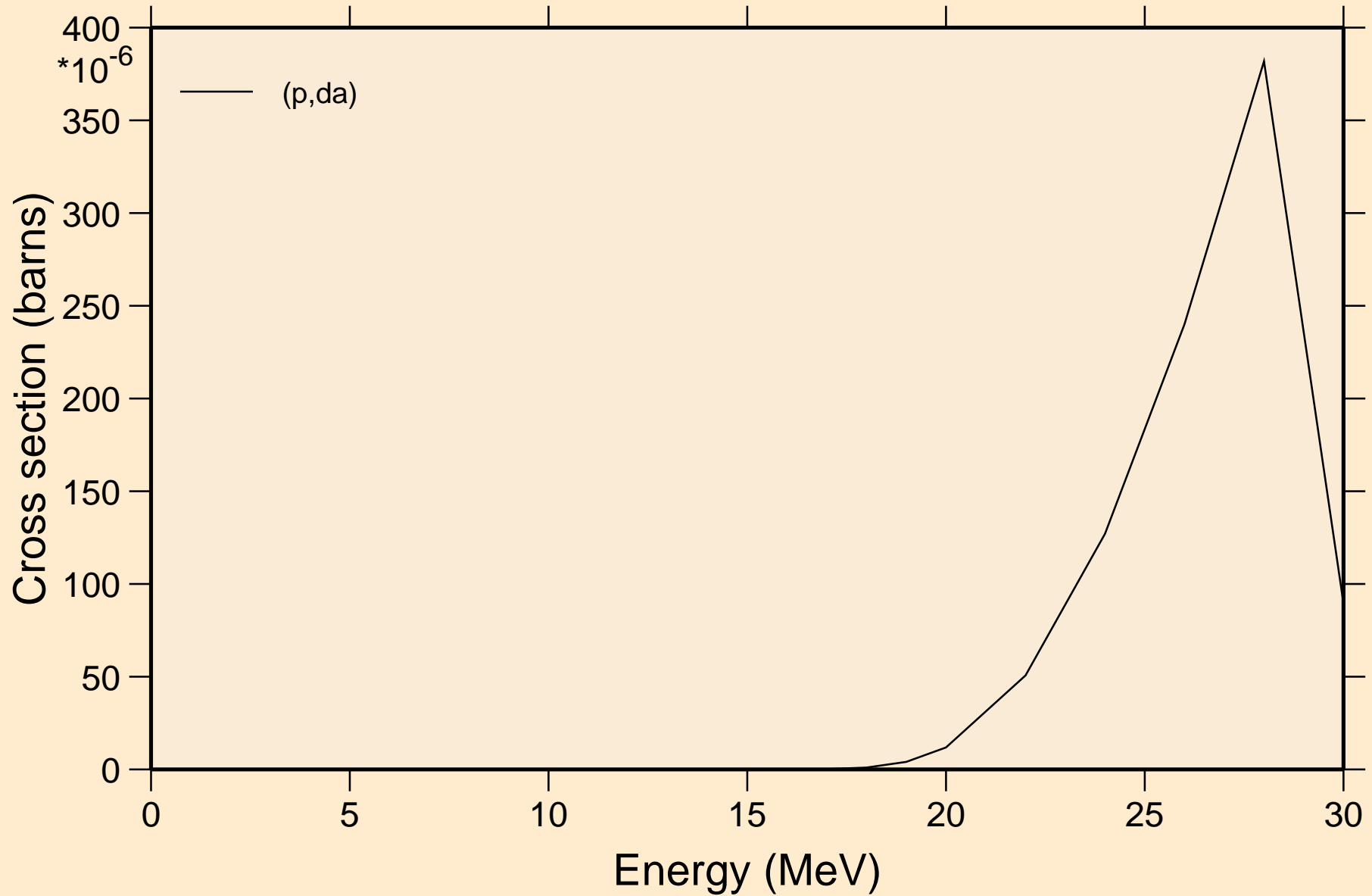
## Threshold reactions



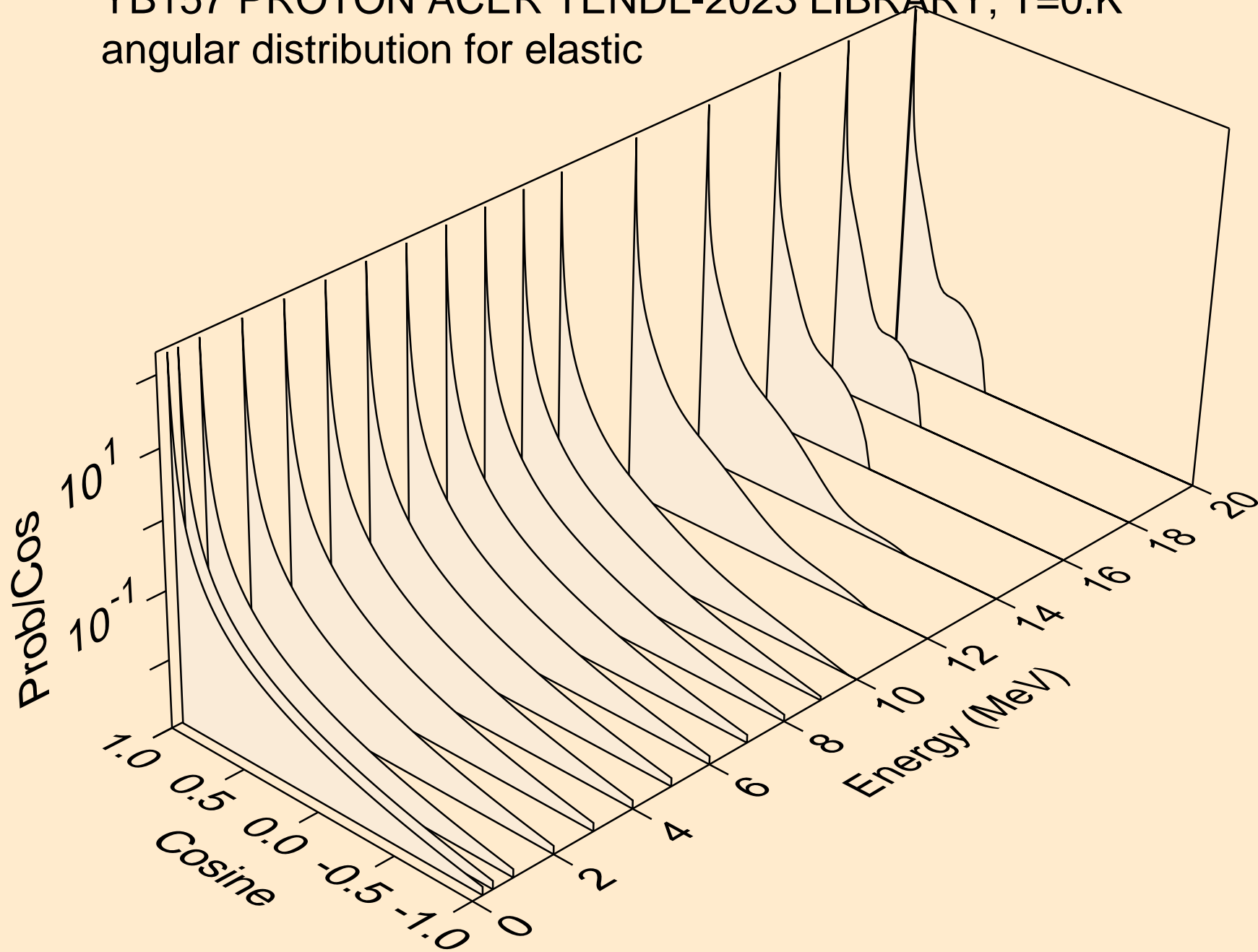
YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

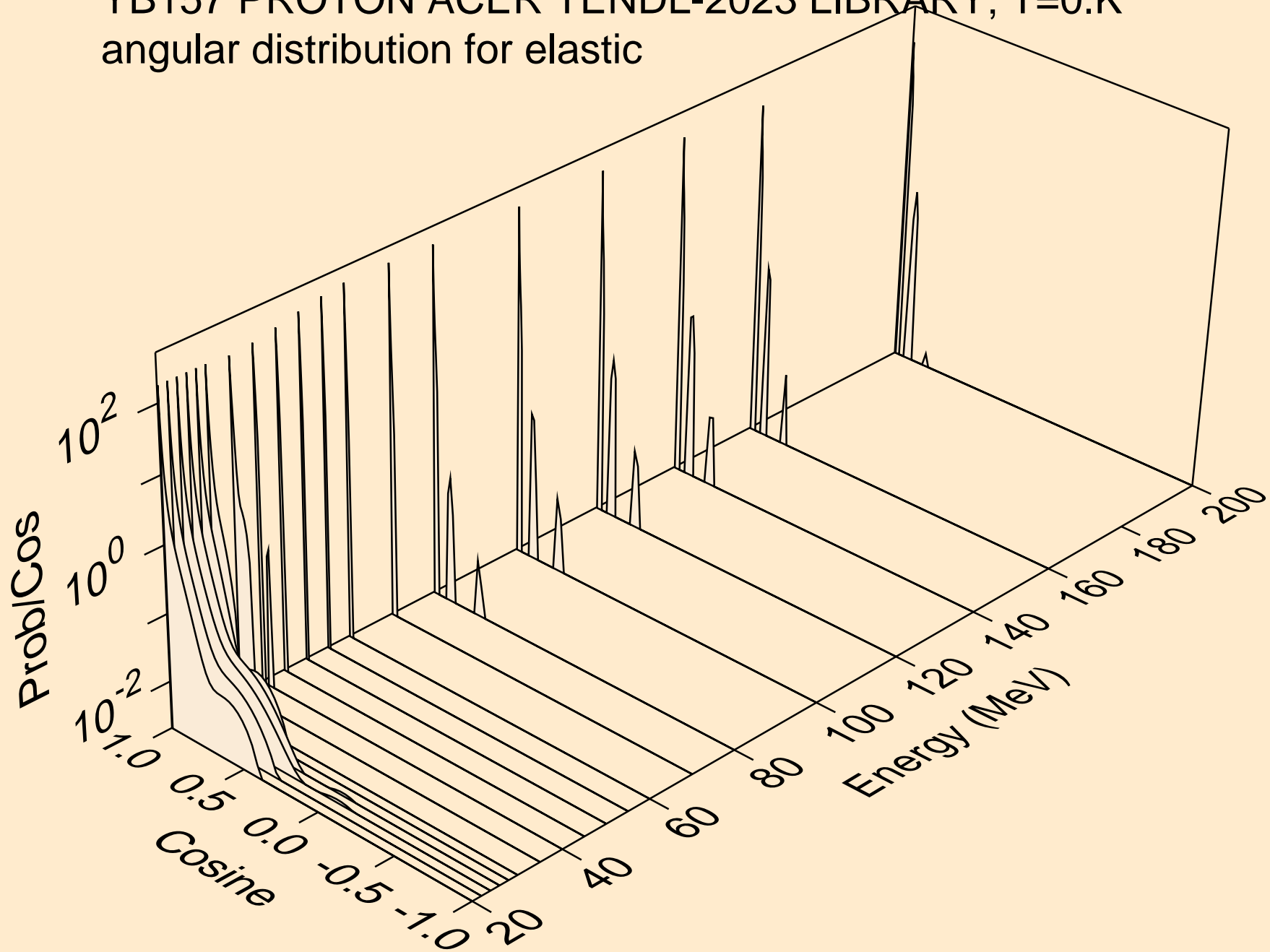


YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

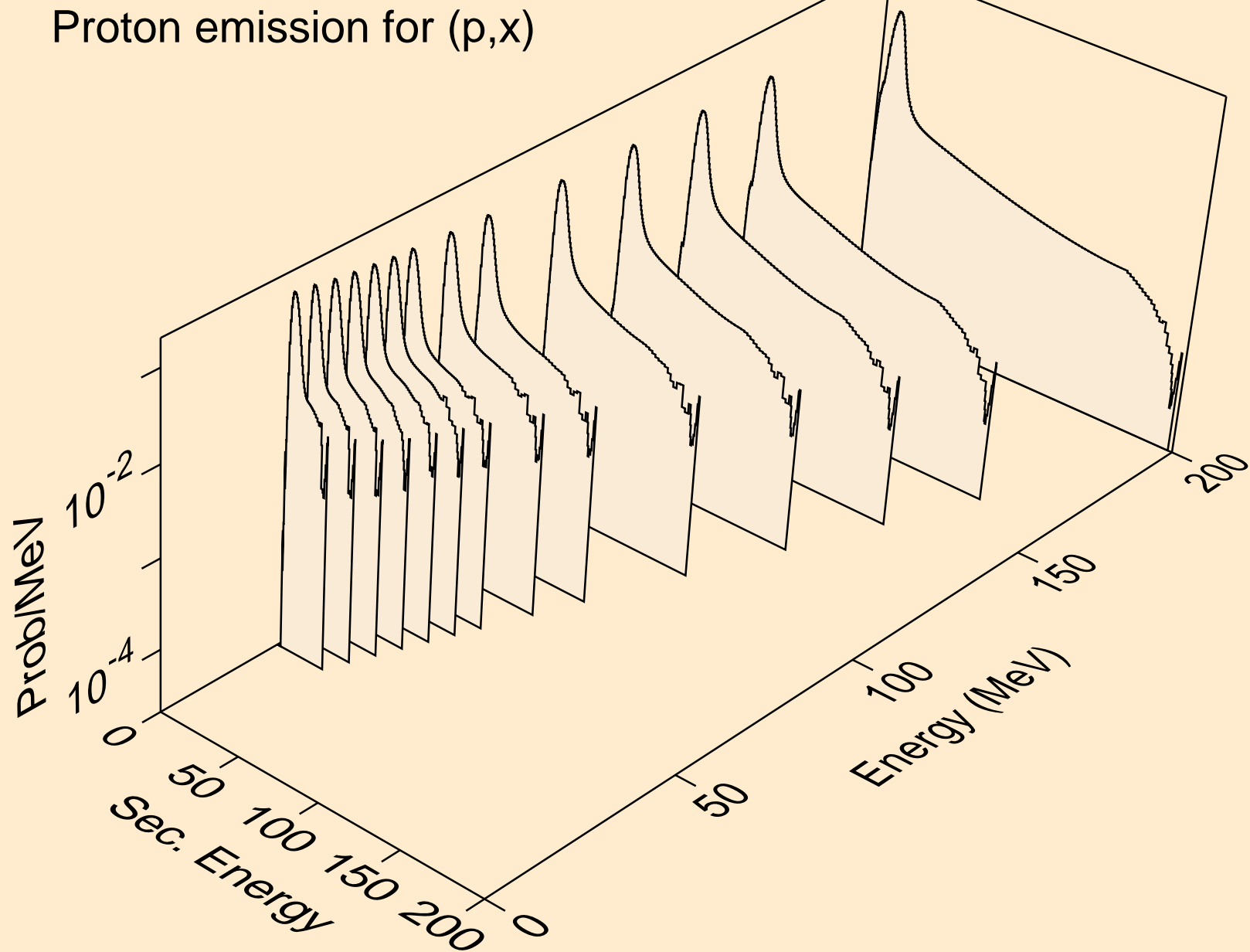




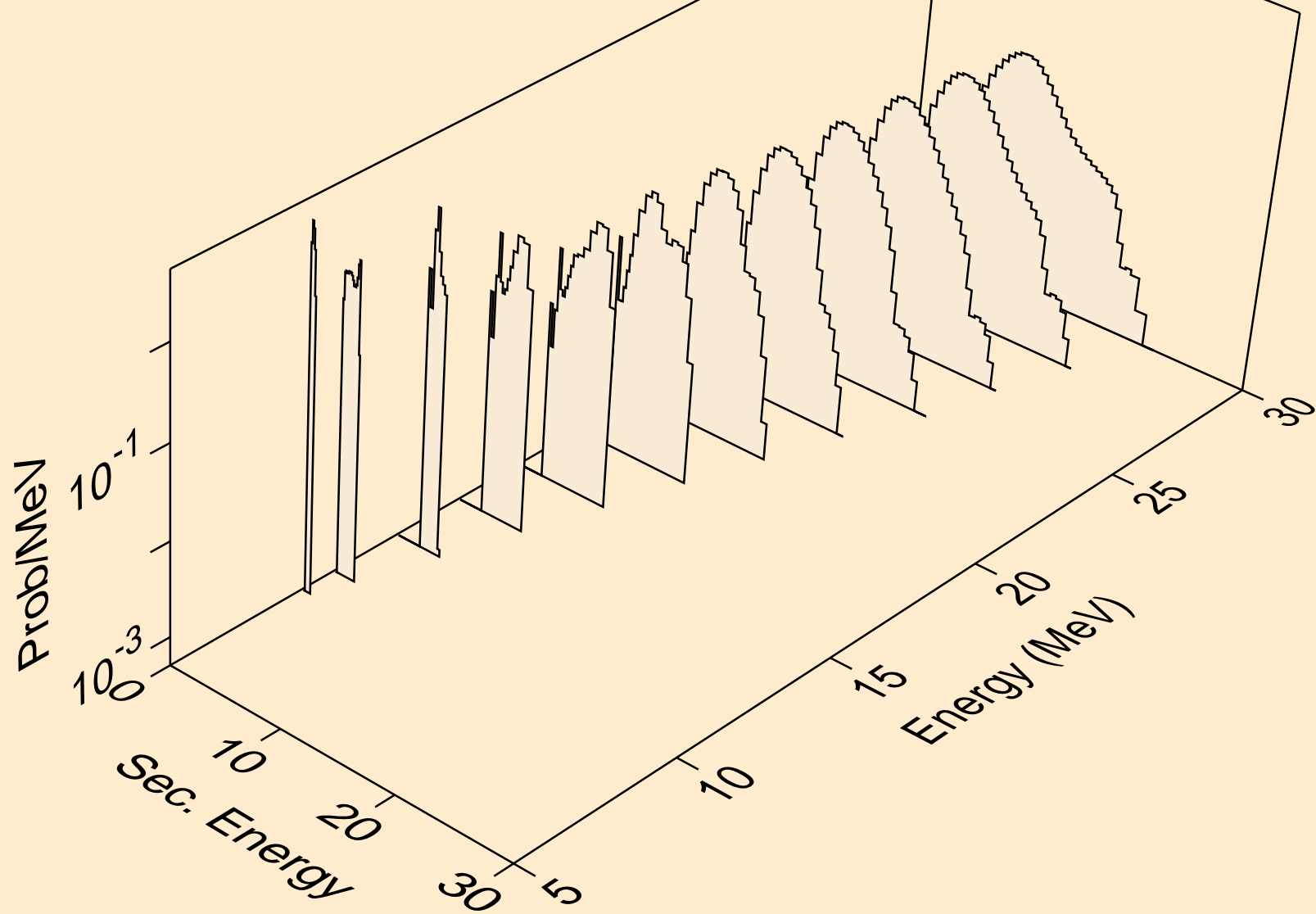
YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



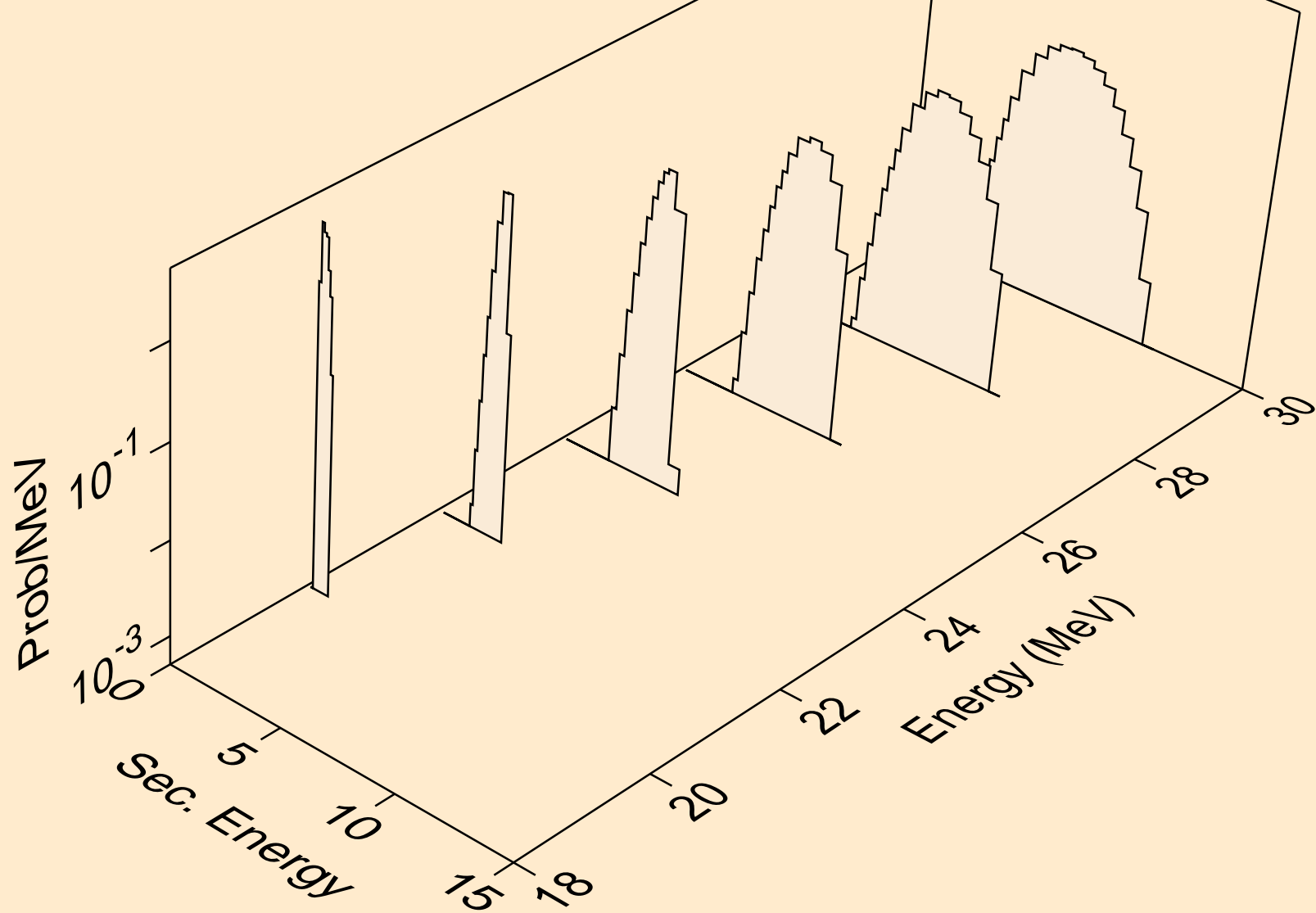
YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)



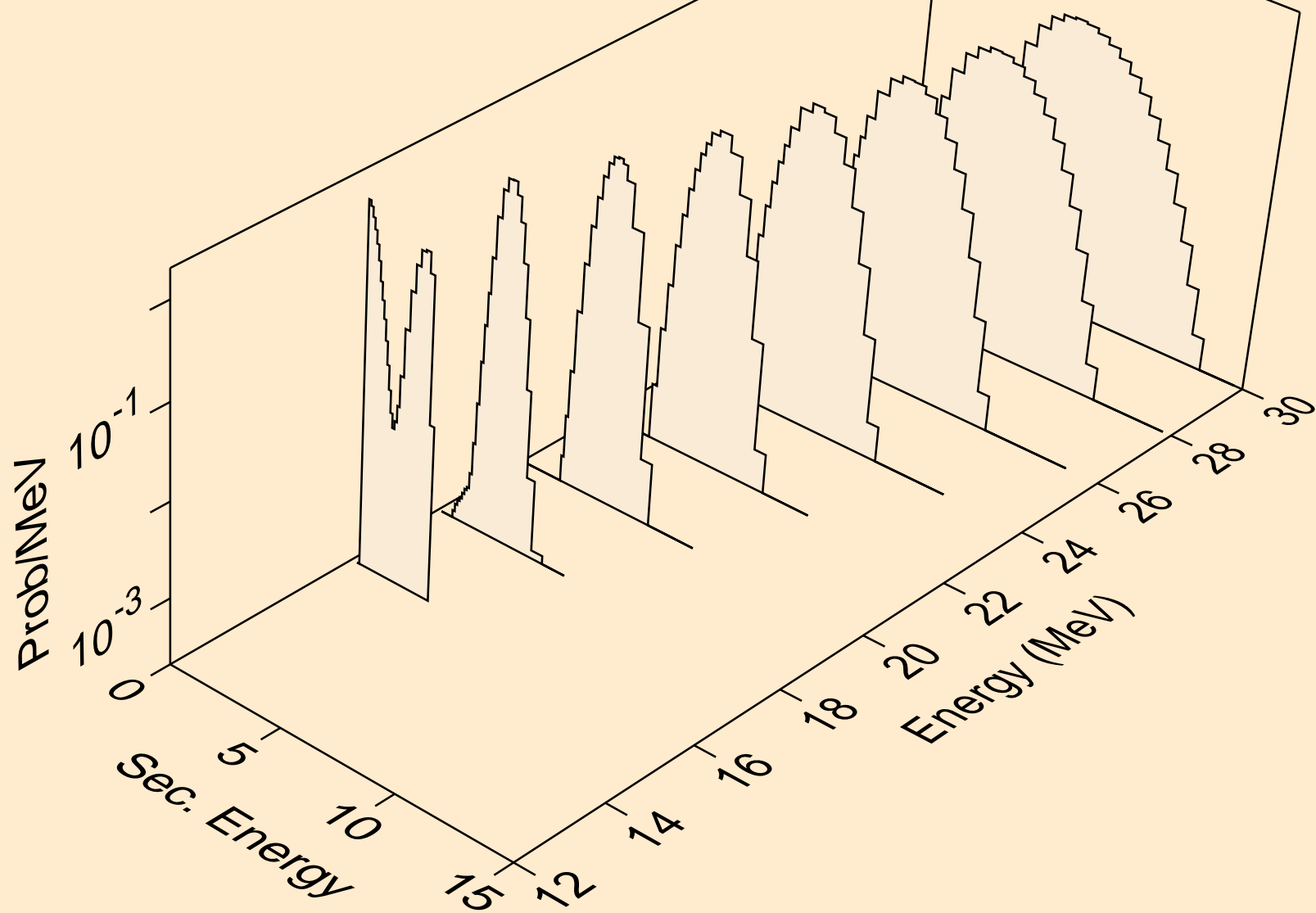
YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



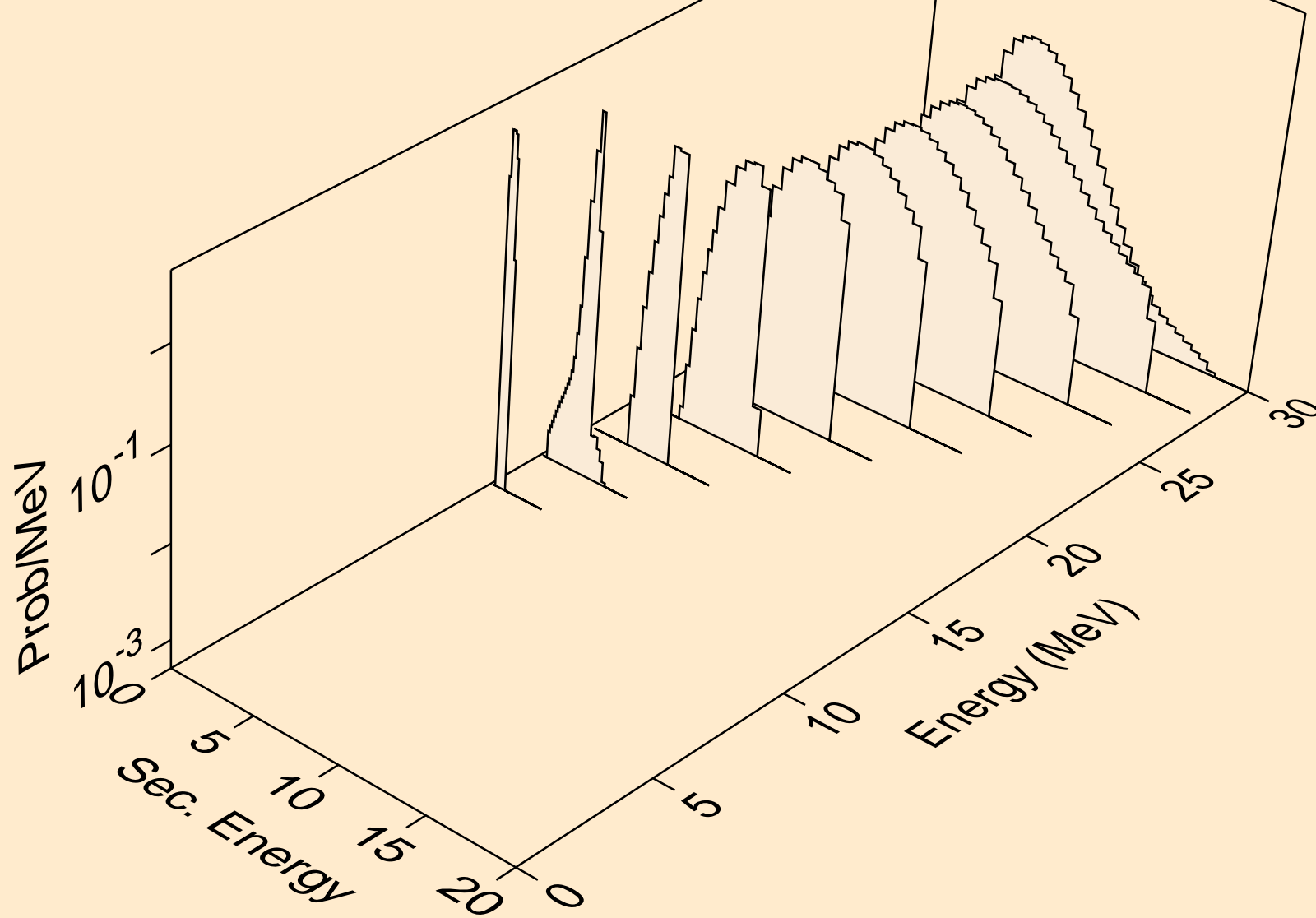
YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



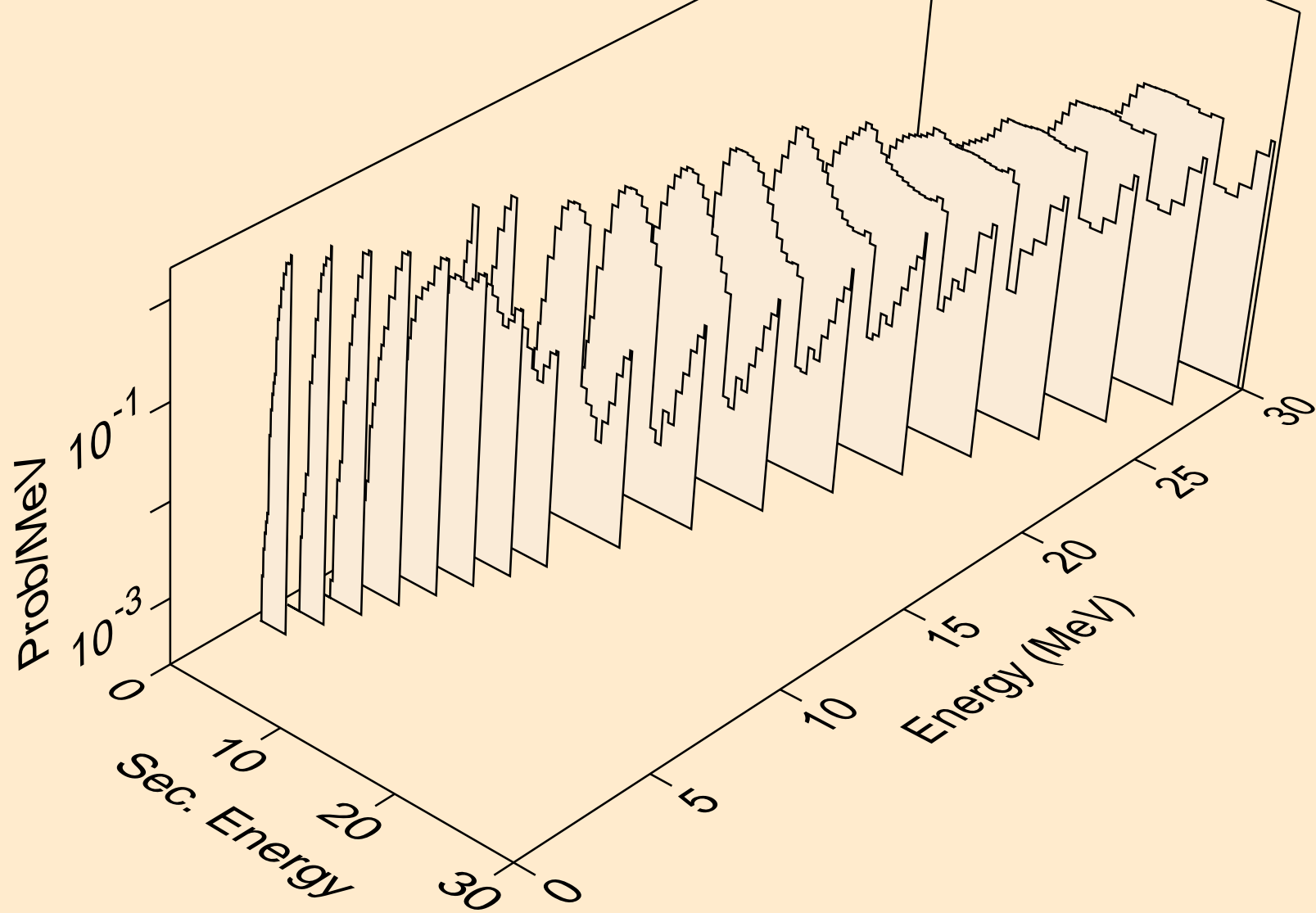
YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n2p)



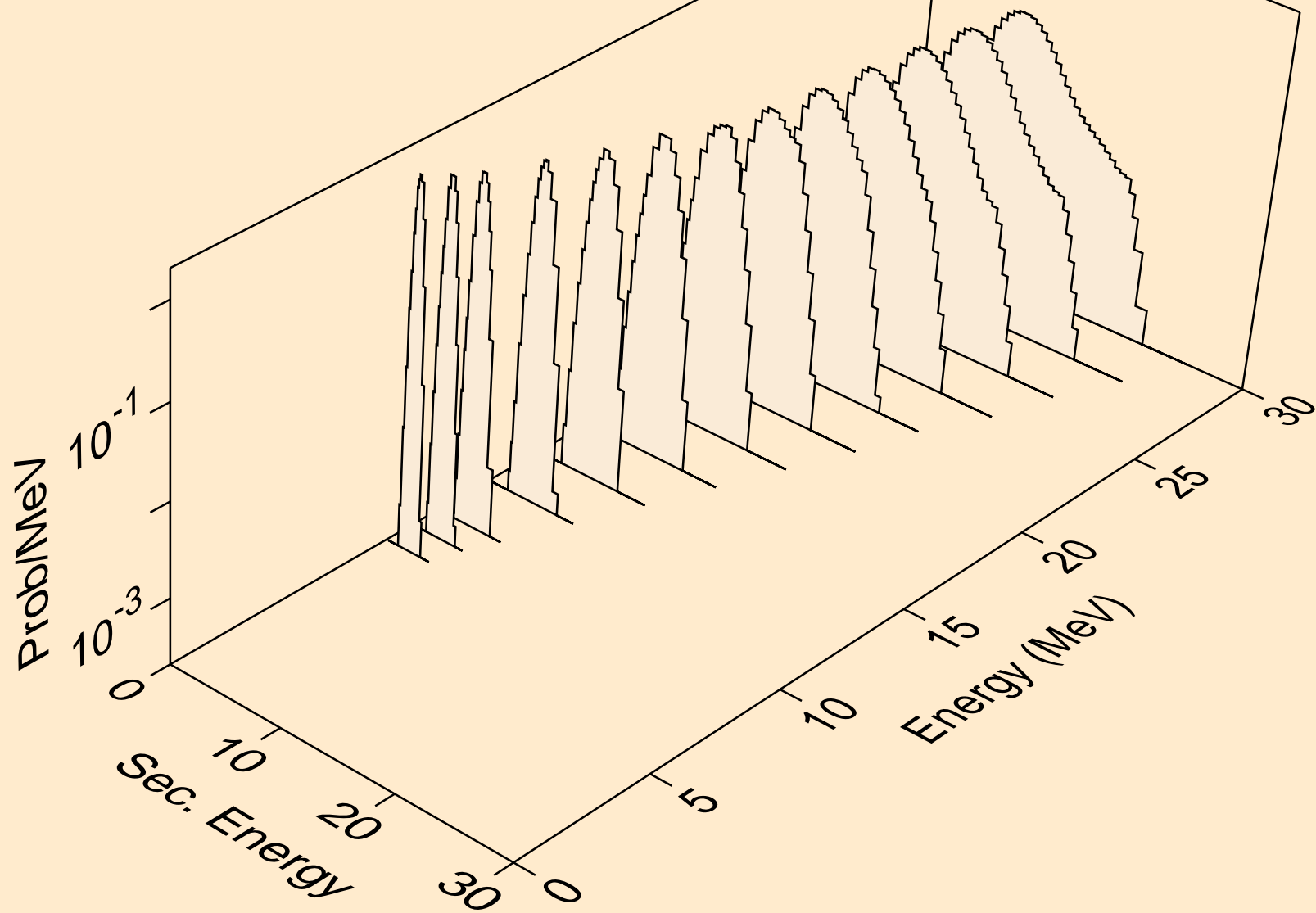
YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,npa)



YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic

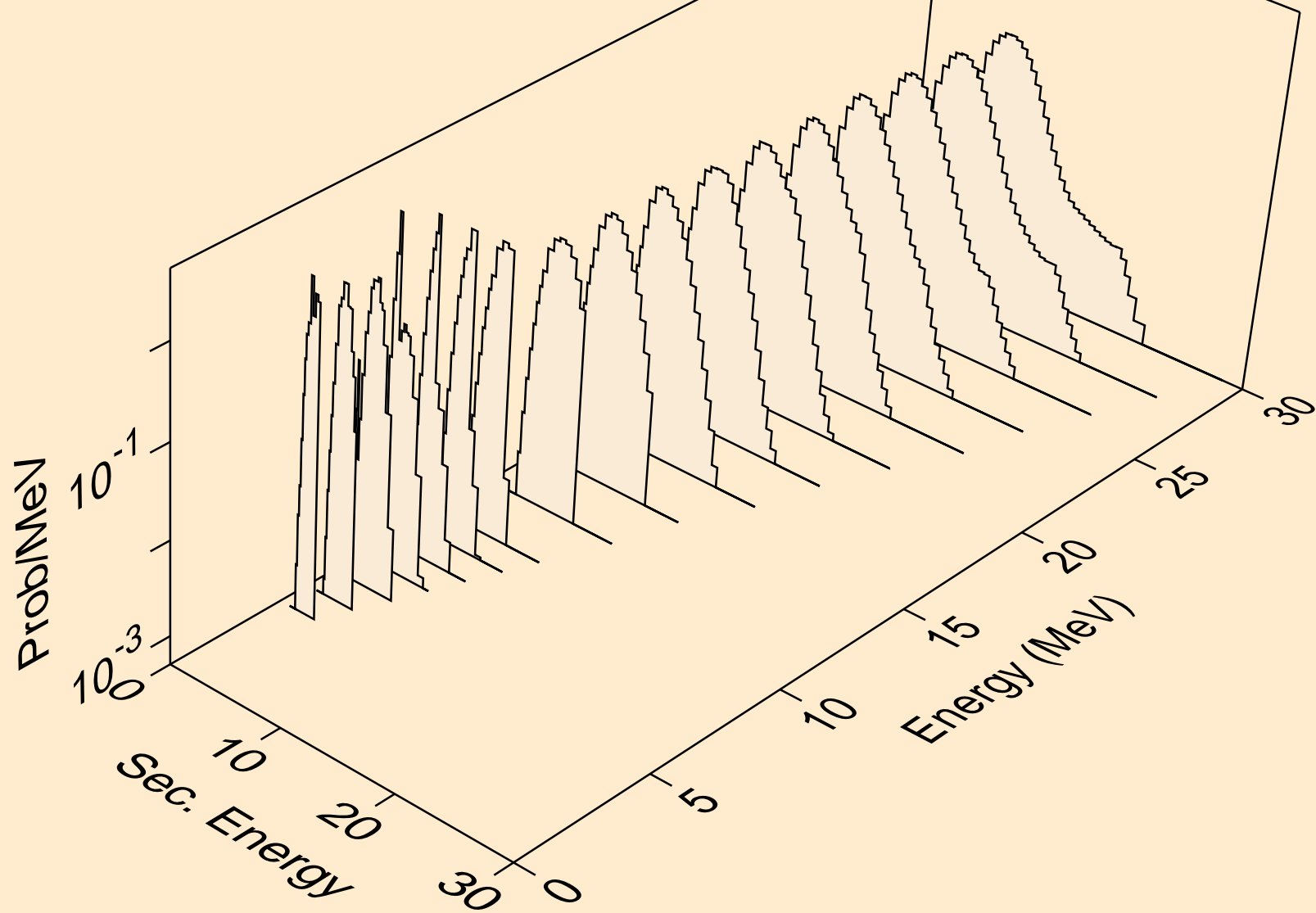


YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2p)

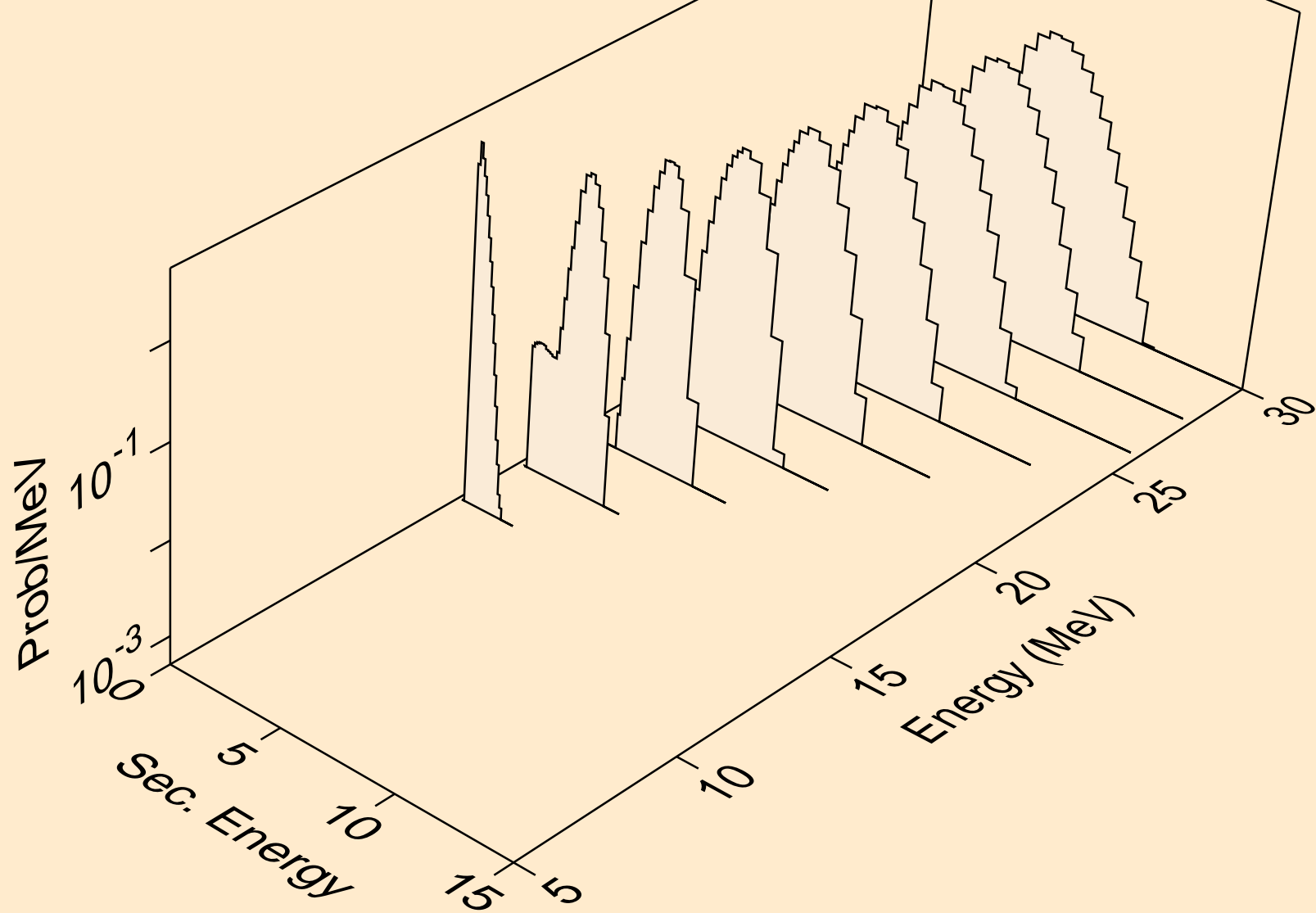




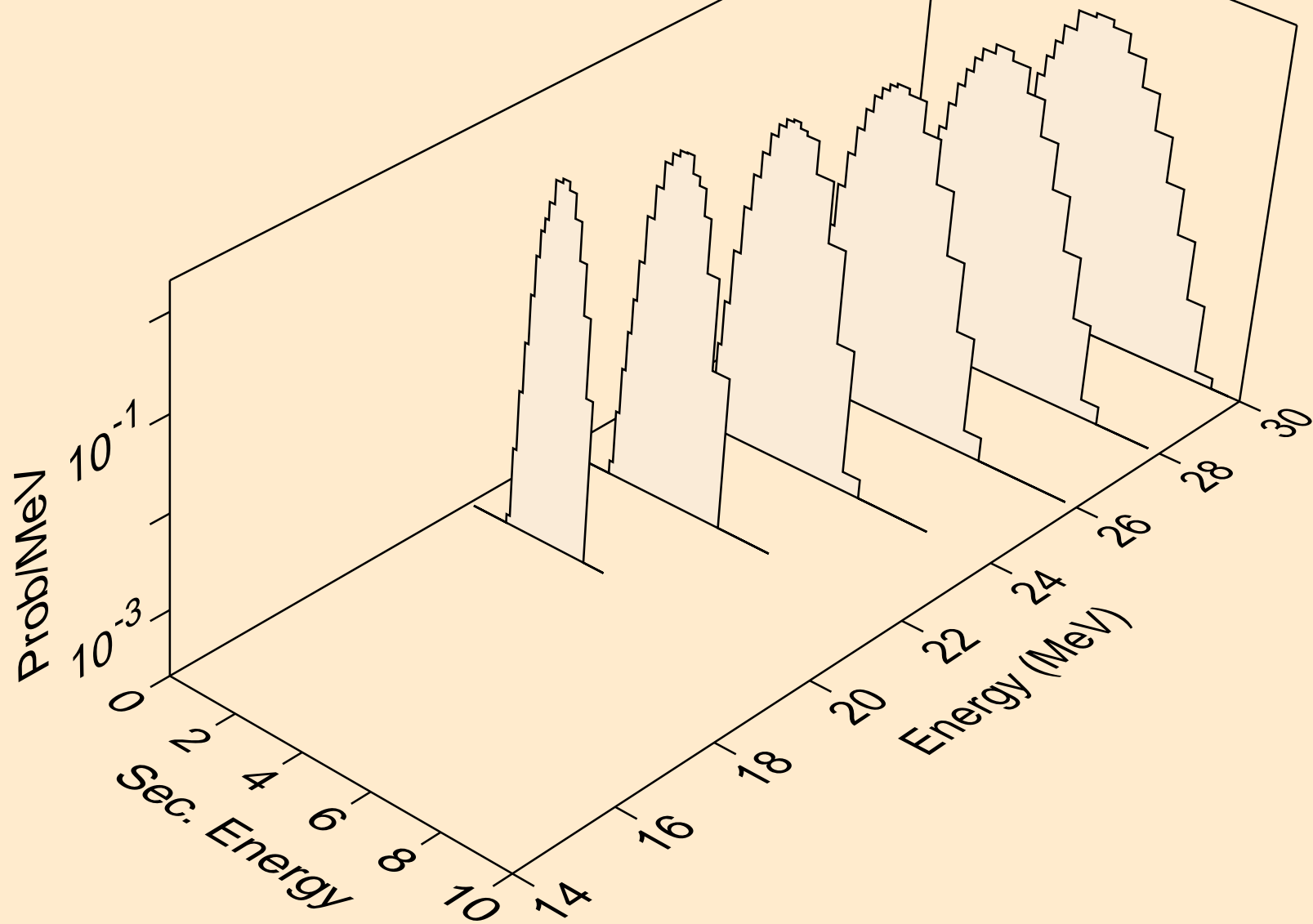
YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pa)



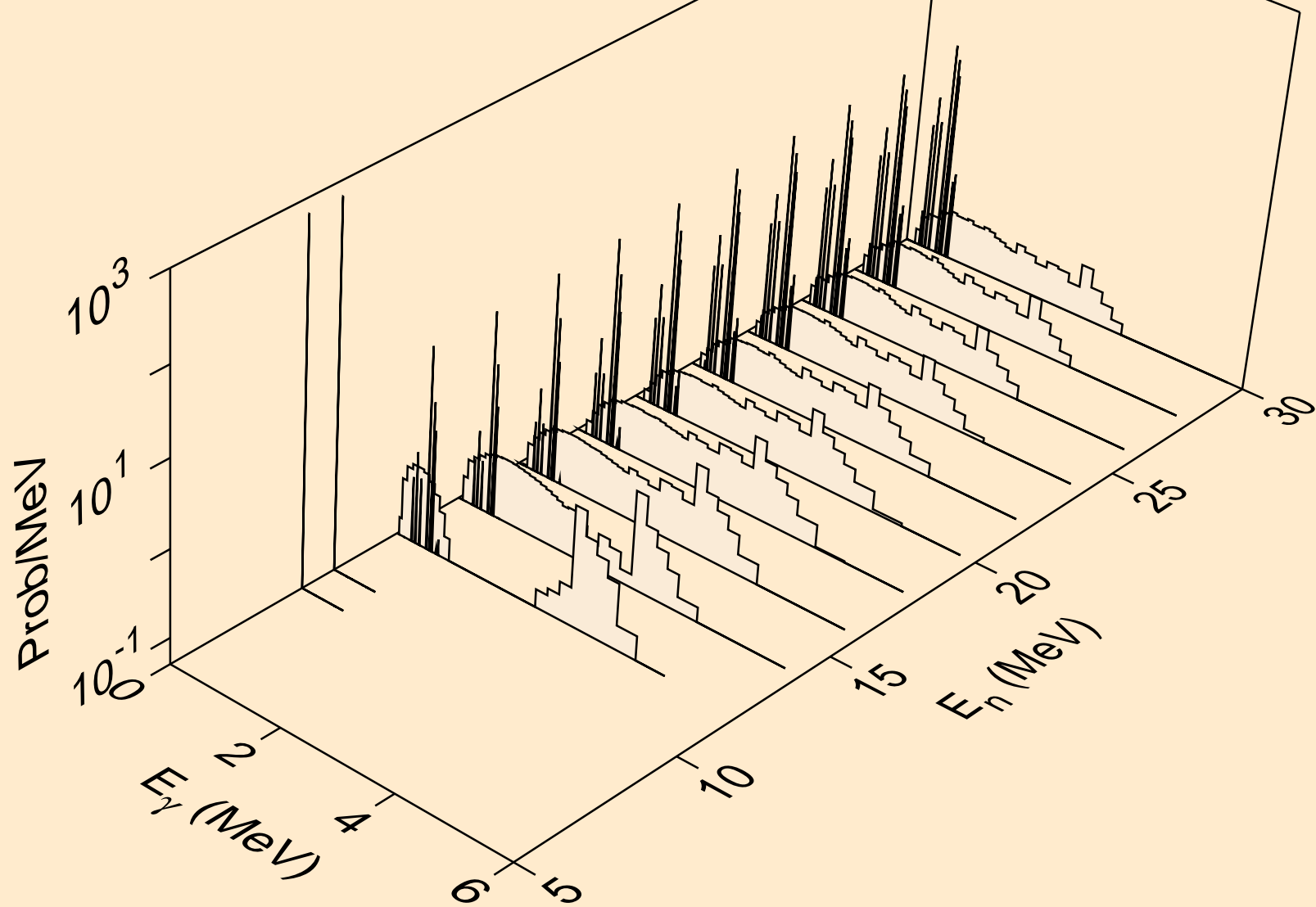
YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pd)



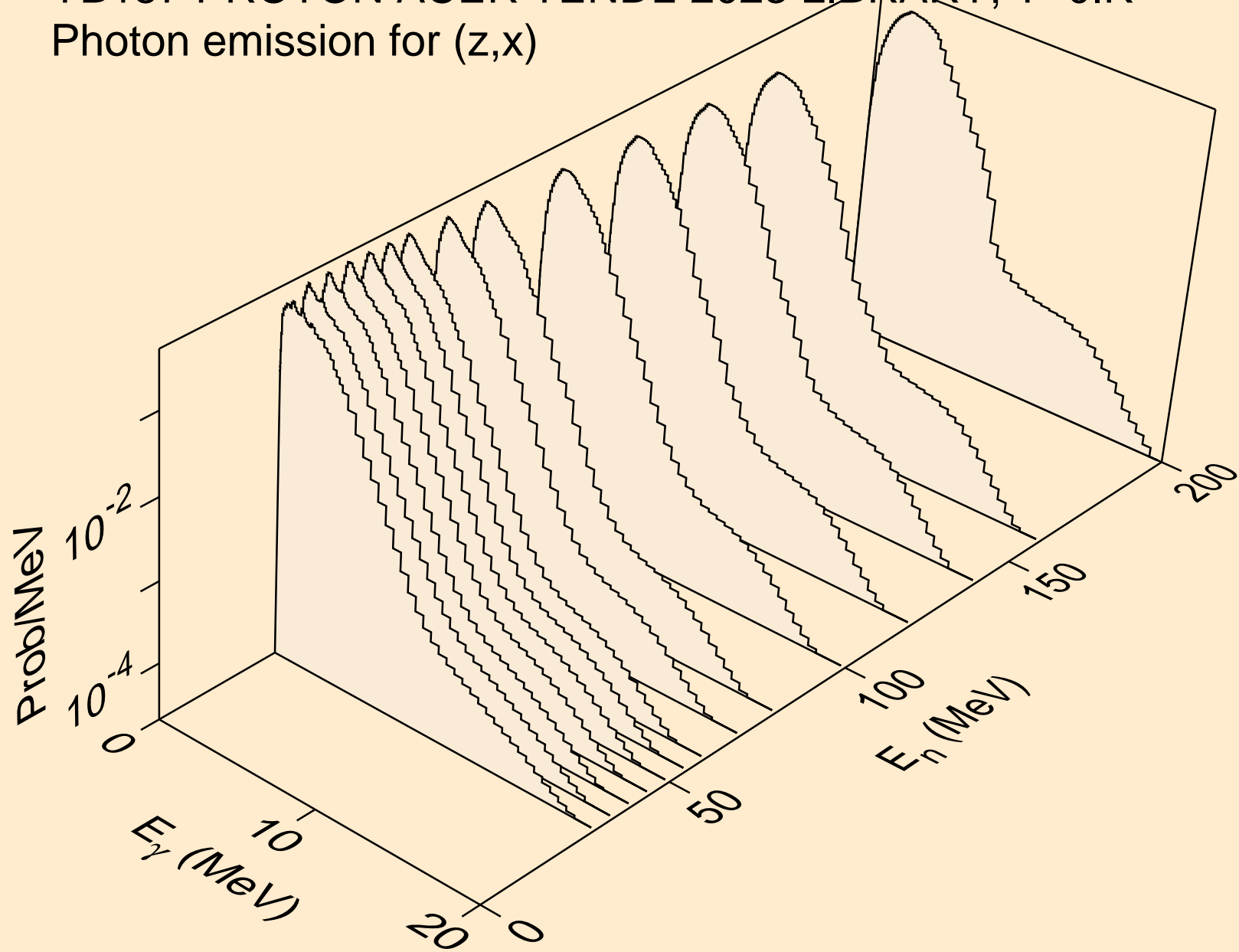
YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pt)



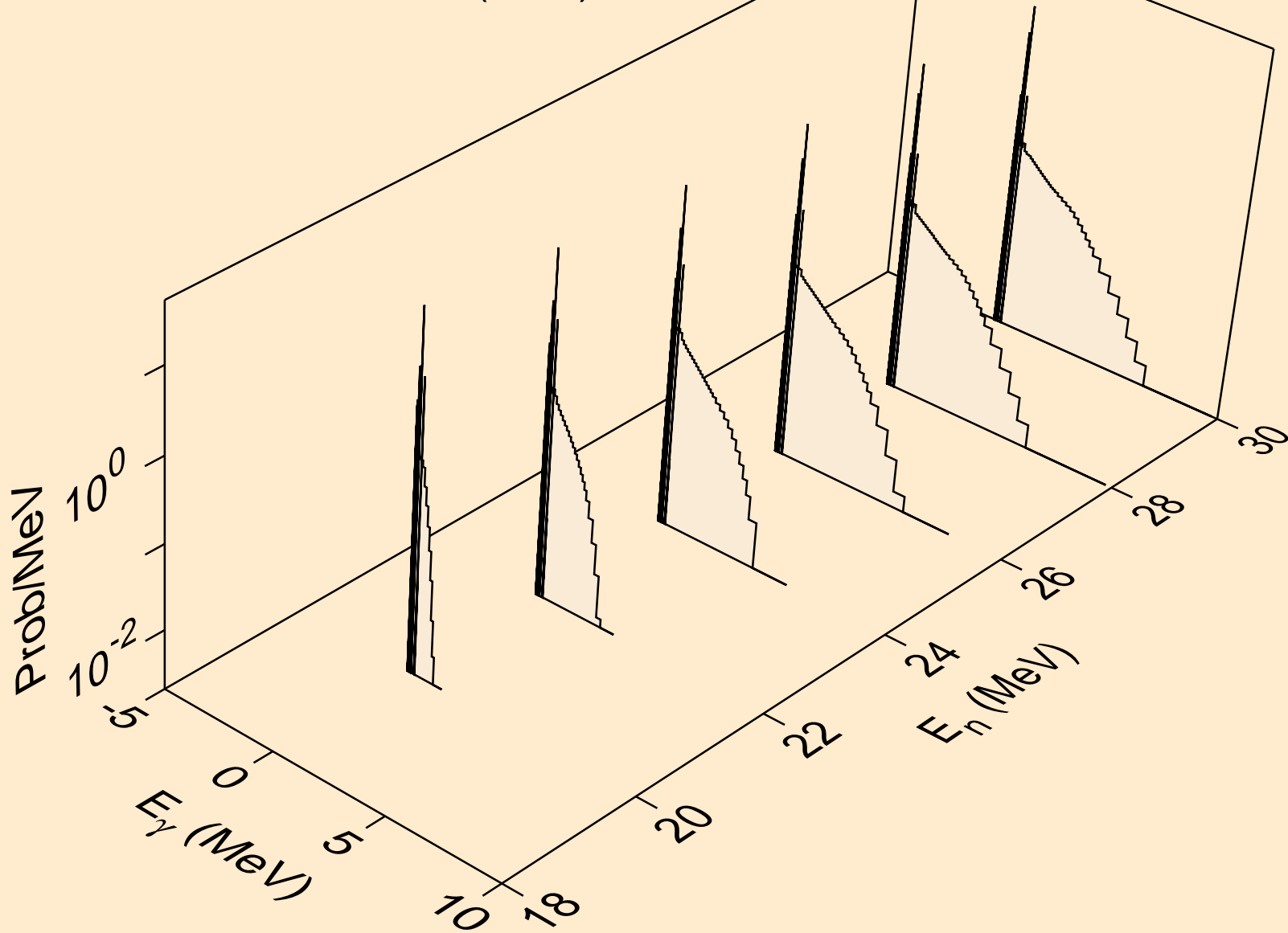
YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



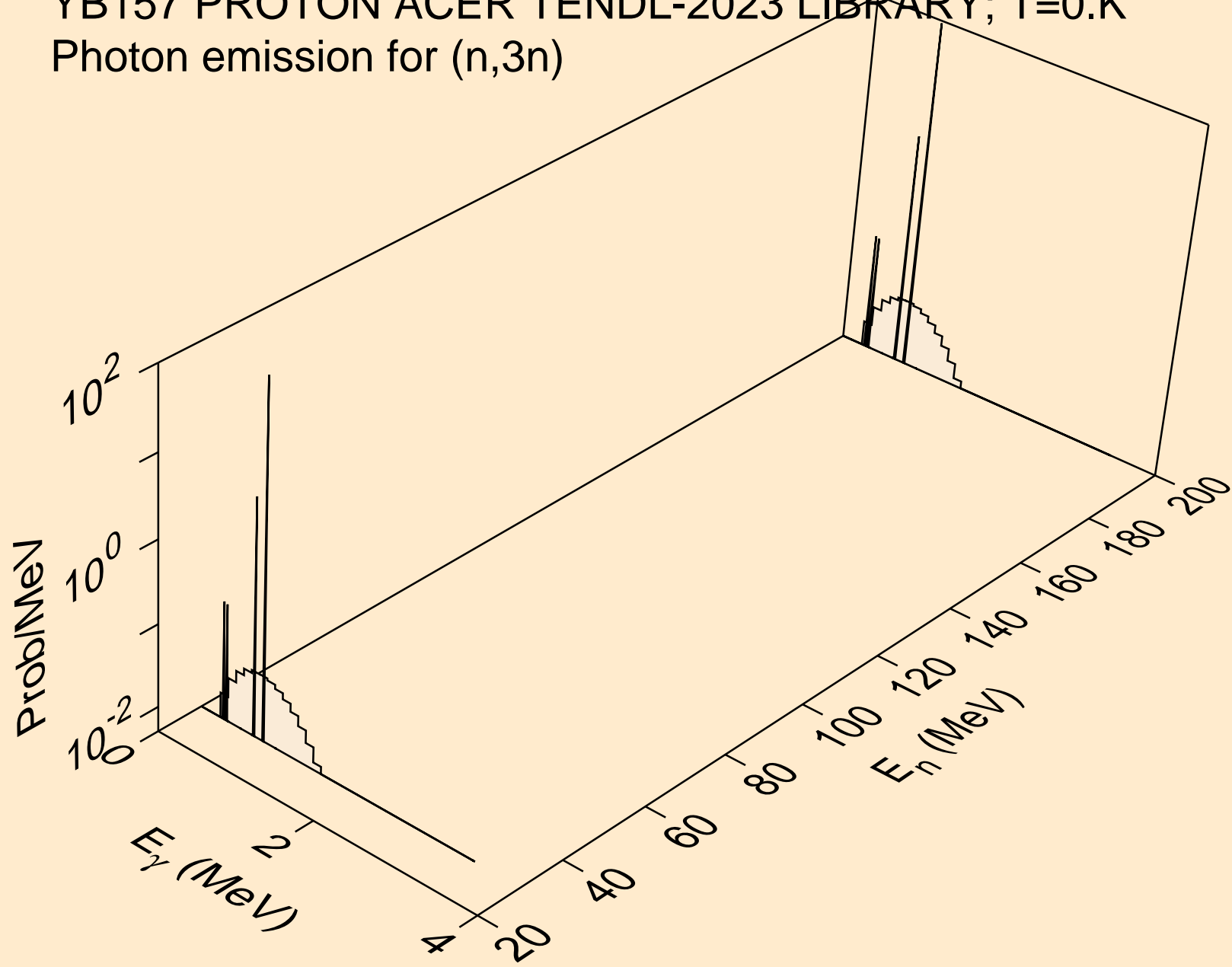
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Photon emission for (z,x)



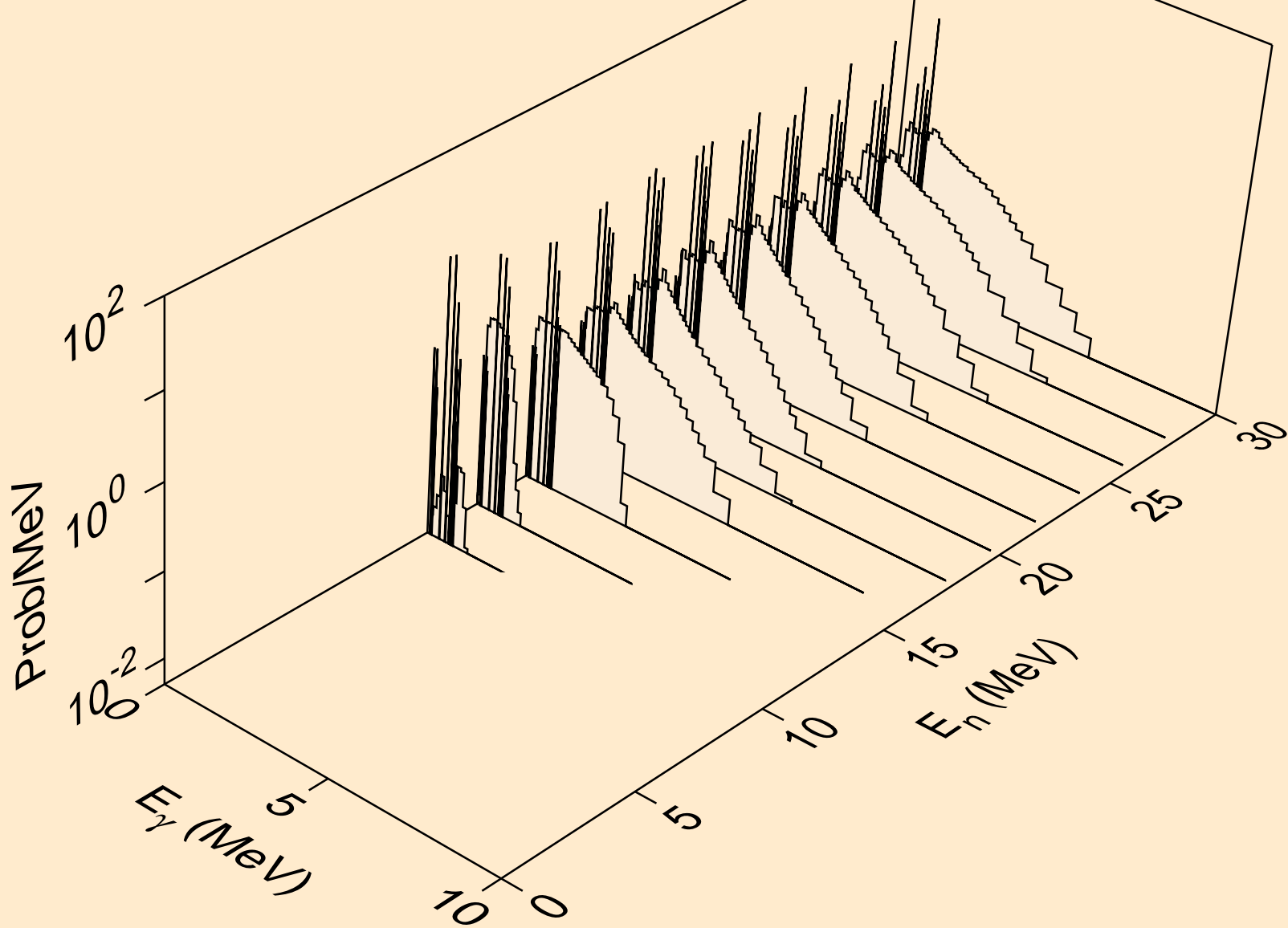
YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)

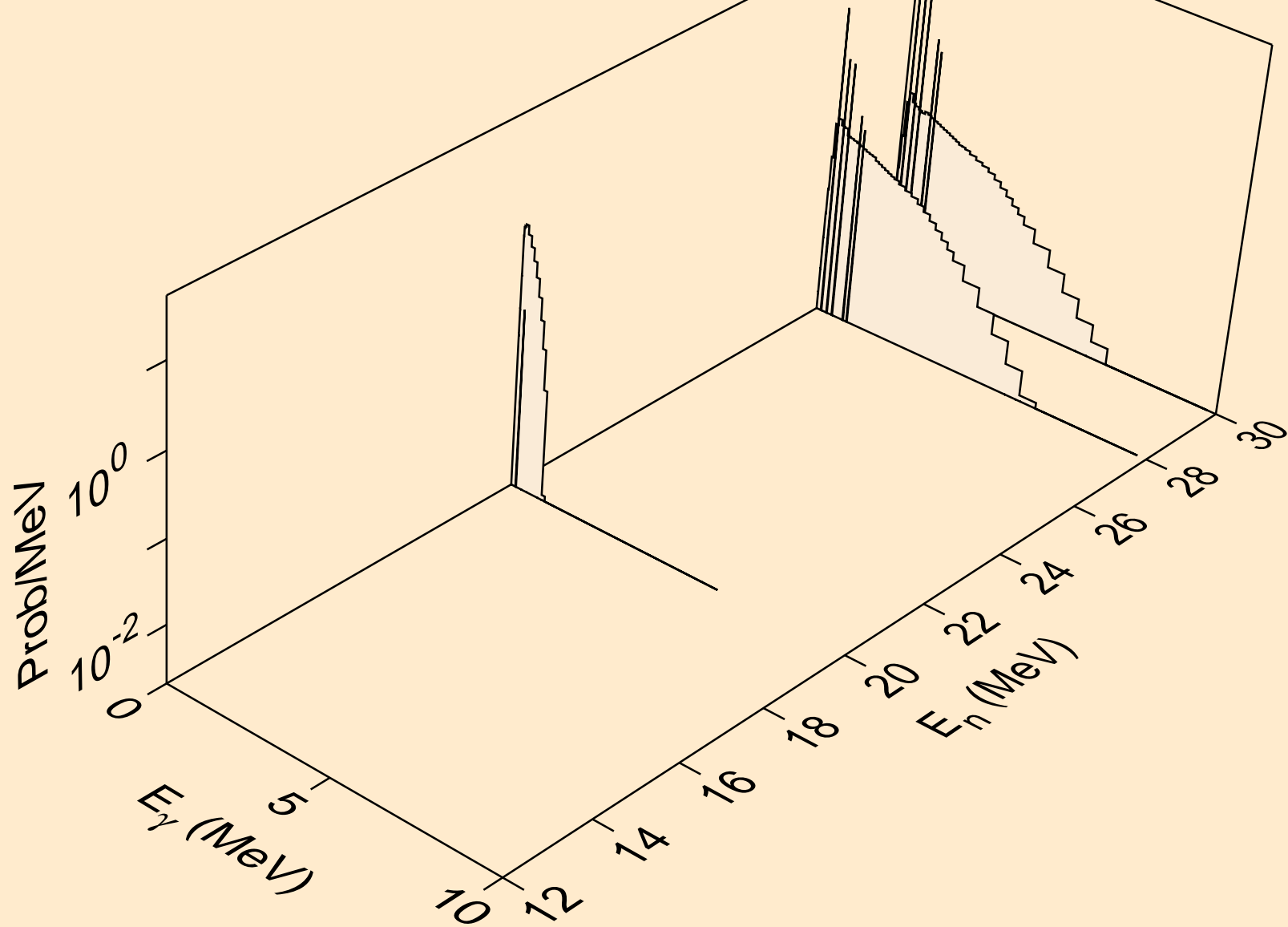


YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

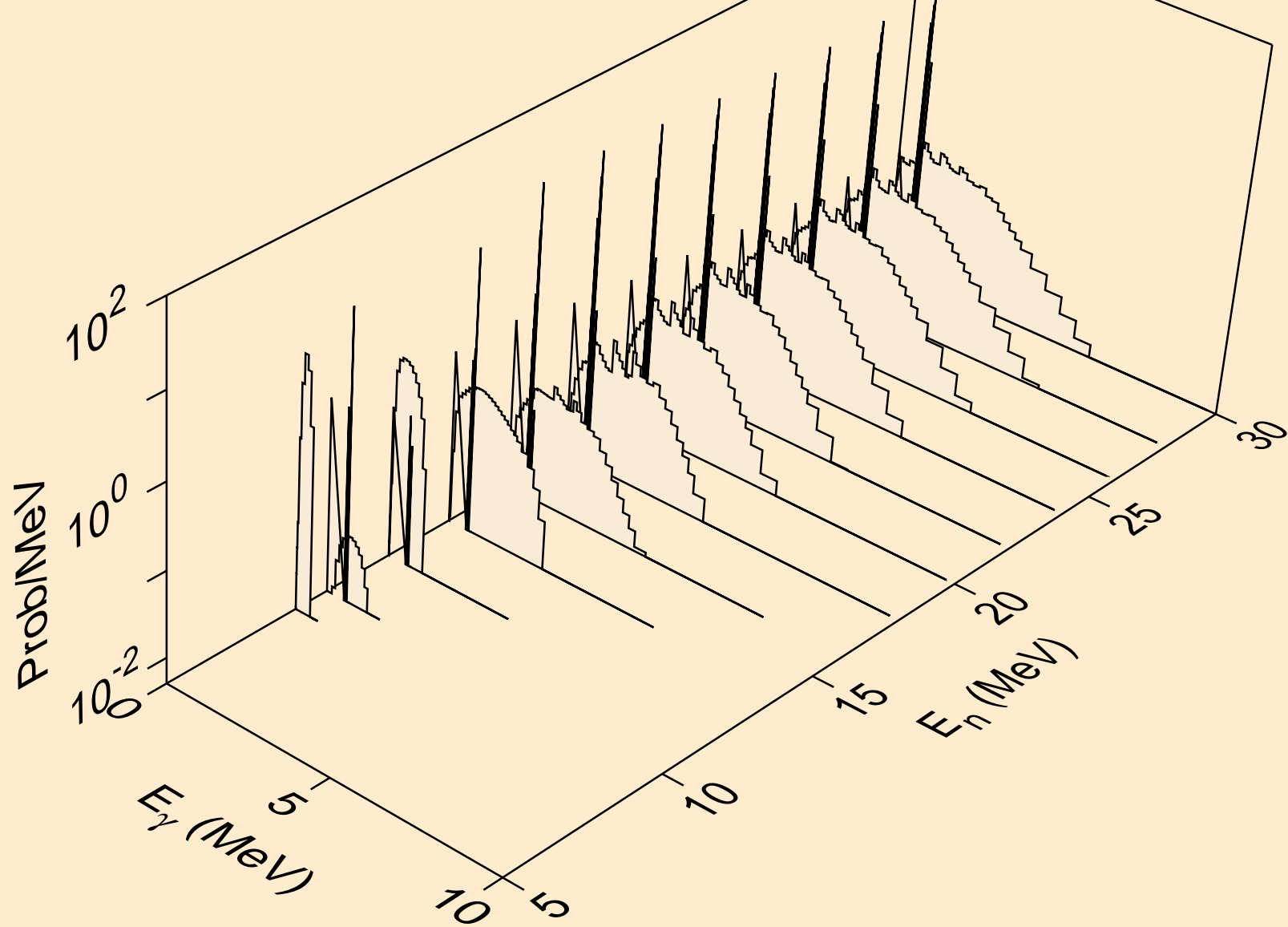




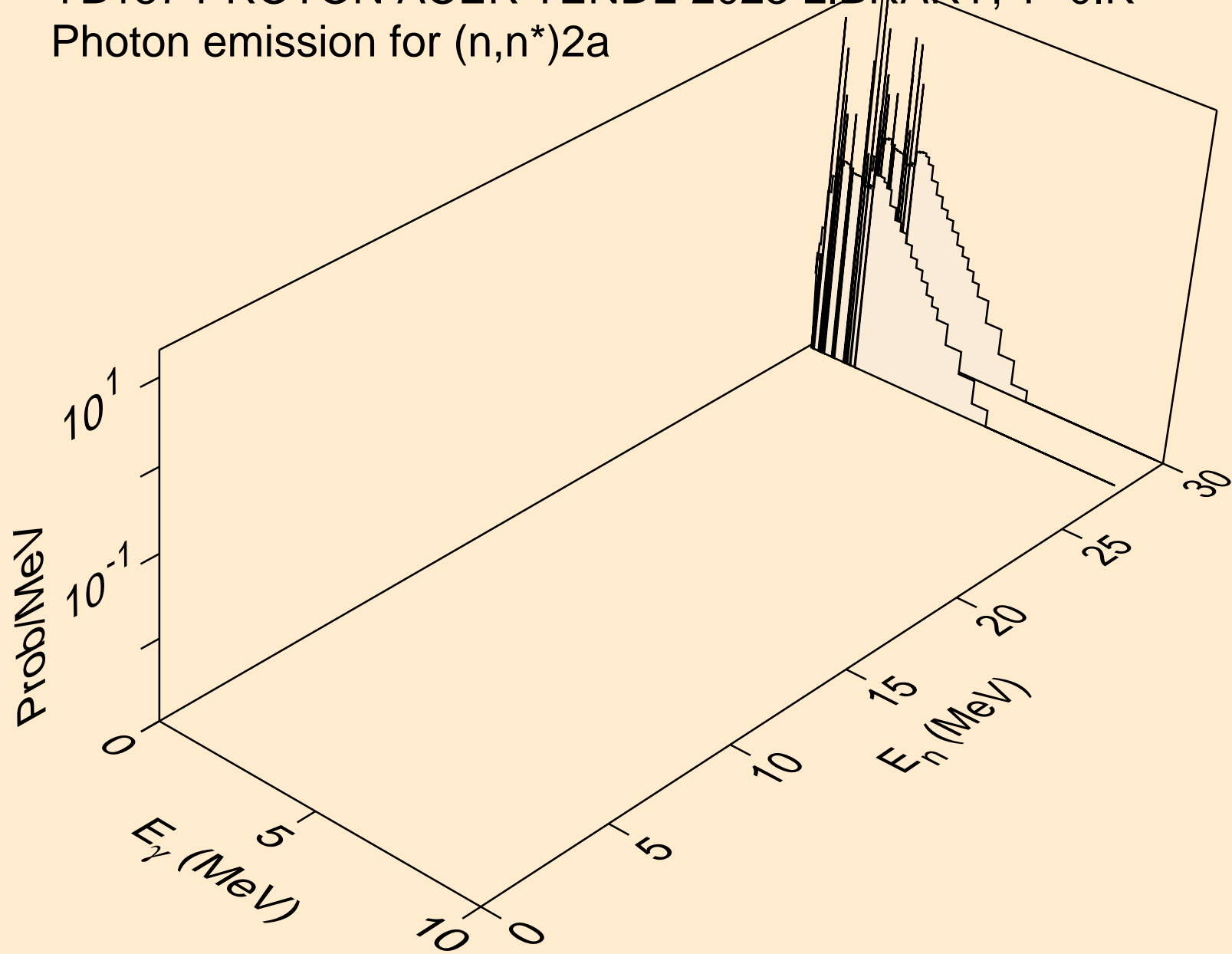
YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n) $\alpha$



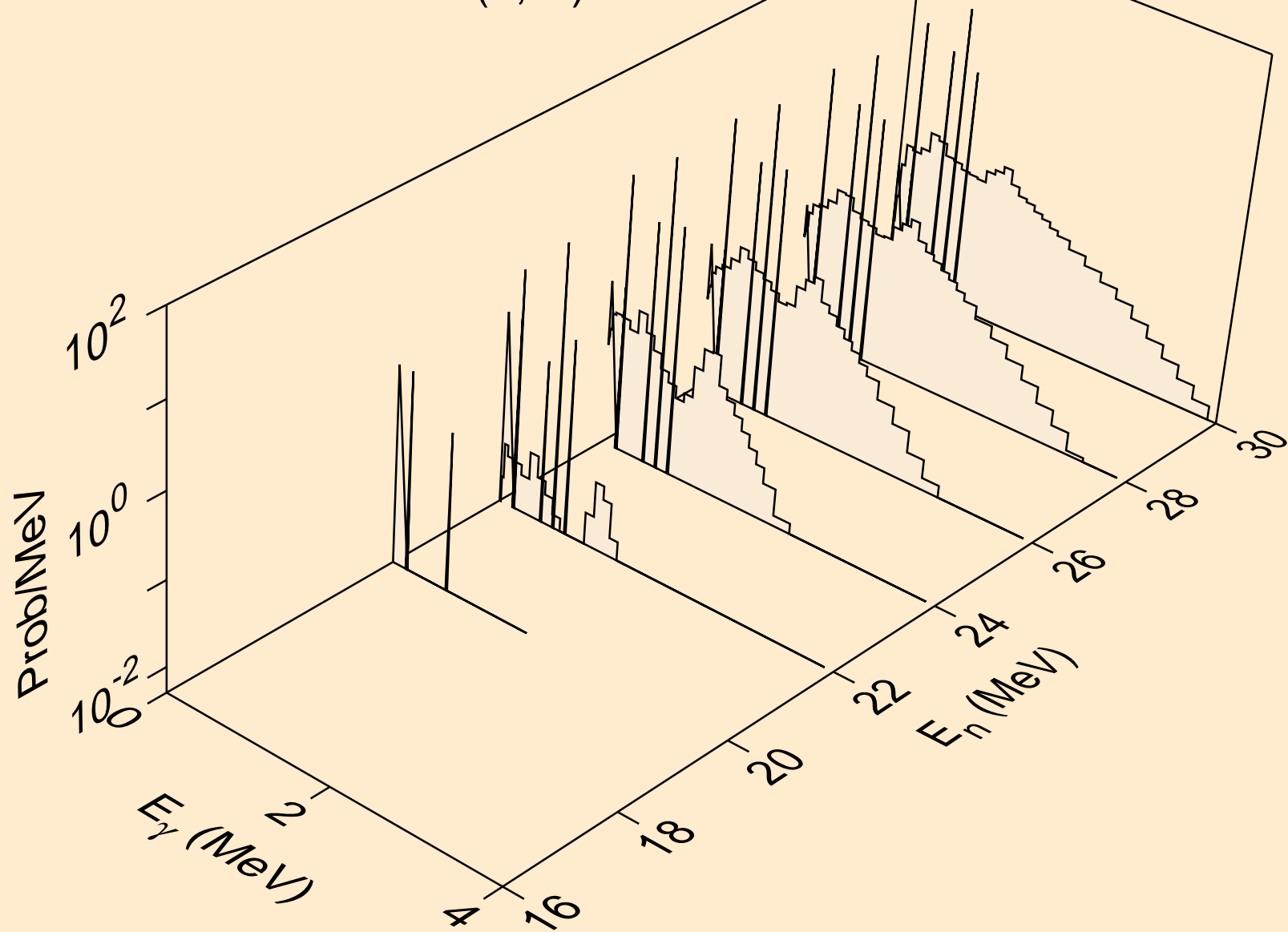
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Photon emission for (n,n\*)p



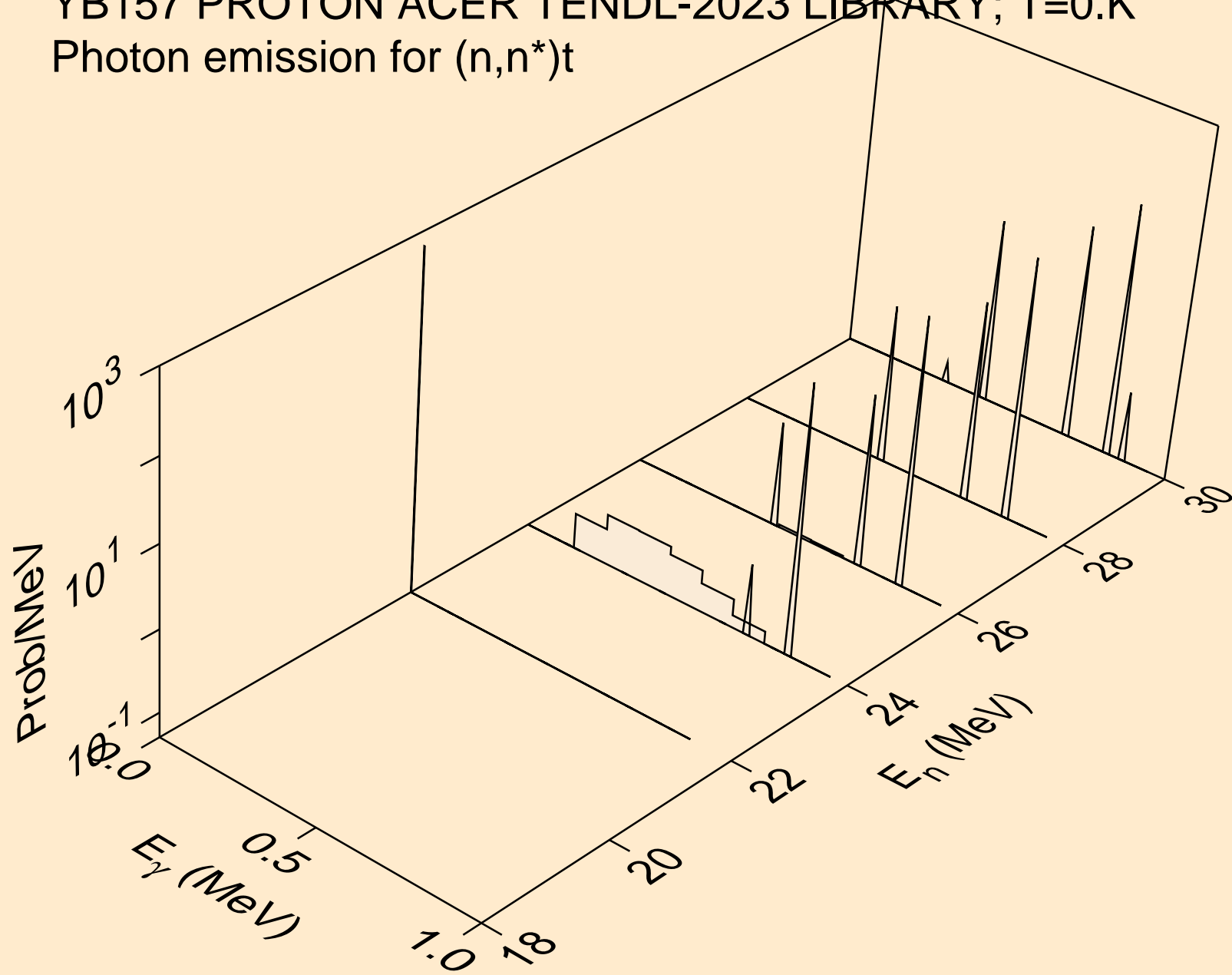
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Photon emission for (n,n\*)2a



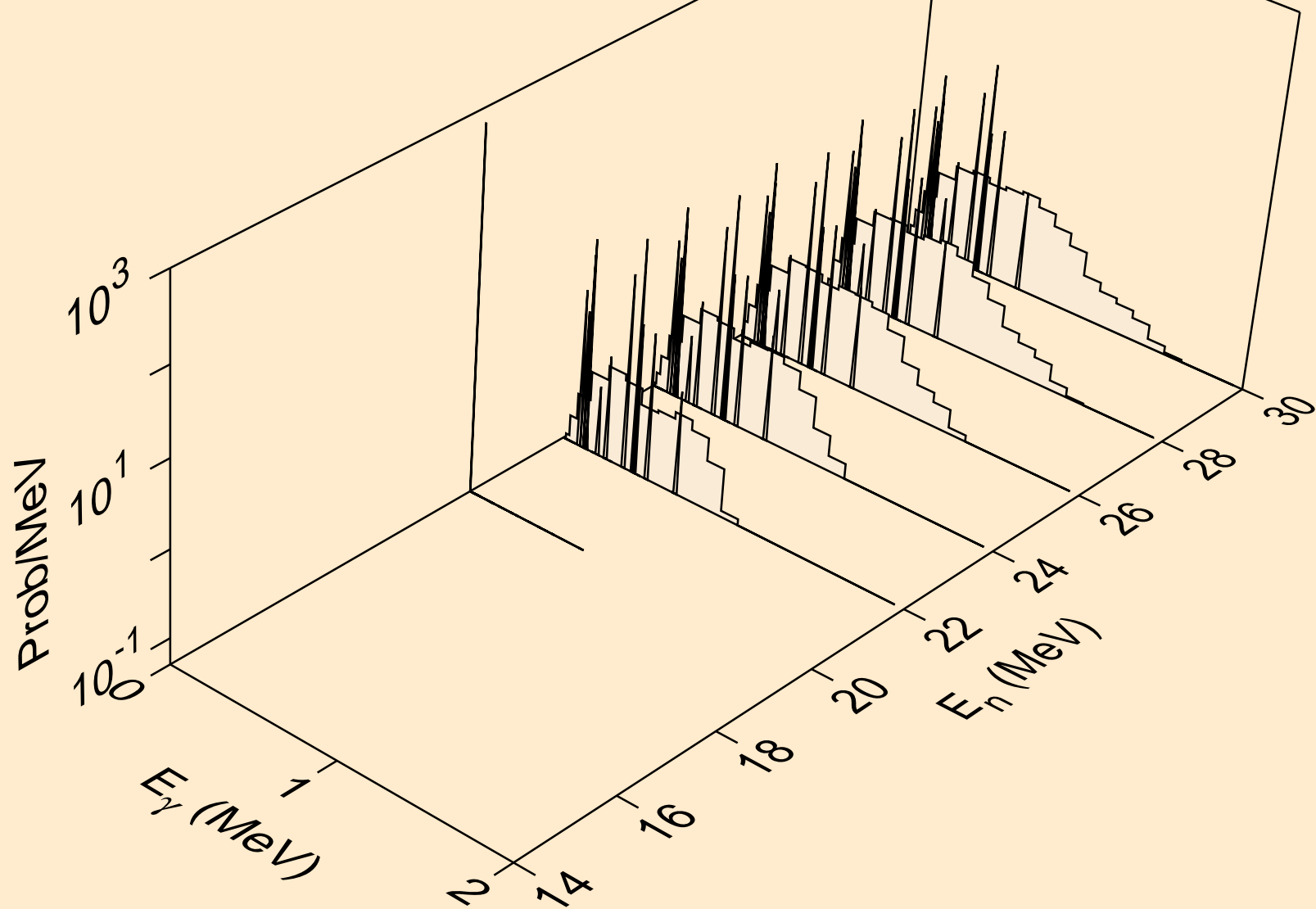
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Photon emission for (n,n\*)d



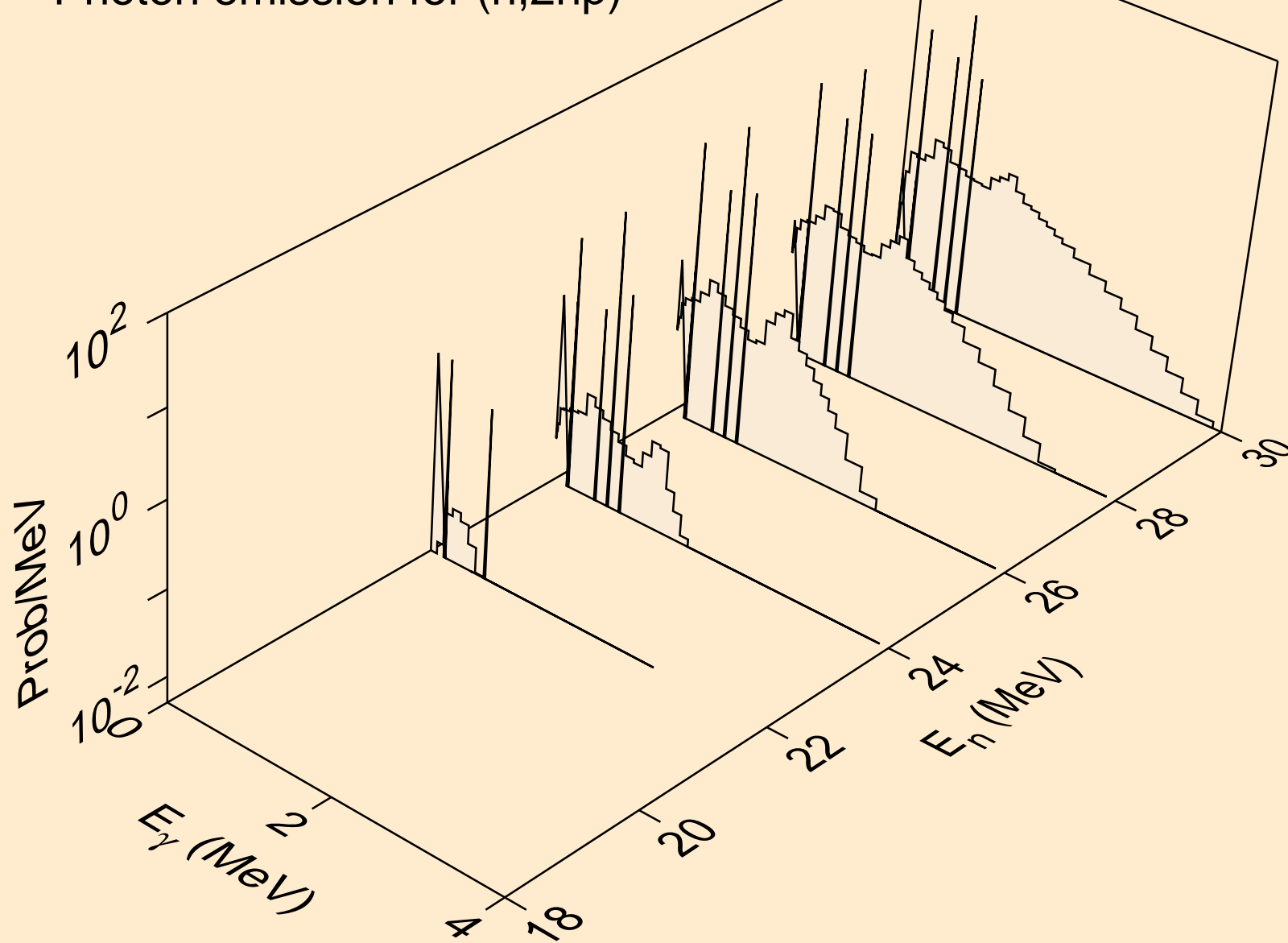
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Photon emission for (n,n\*)t



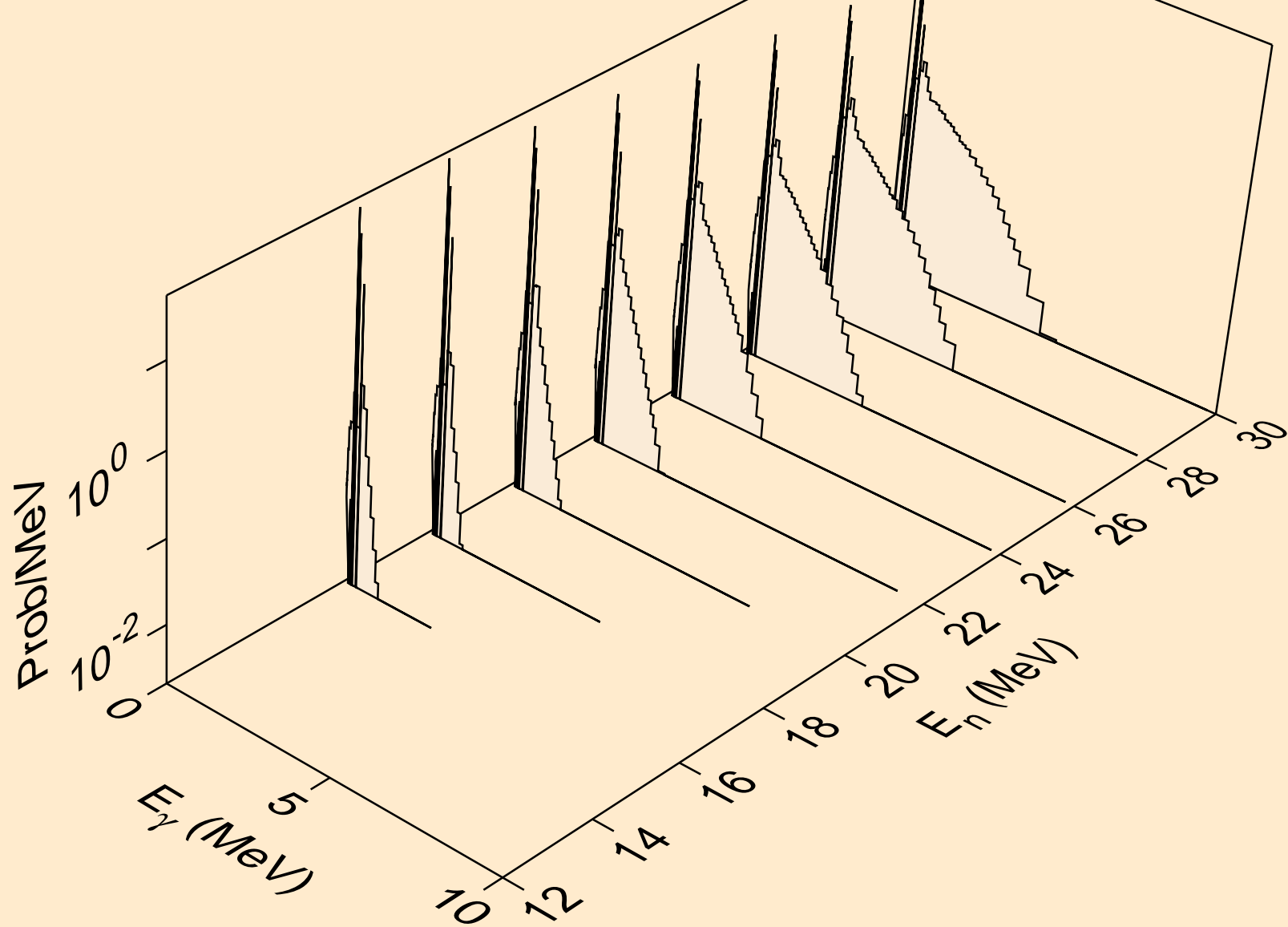
YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

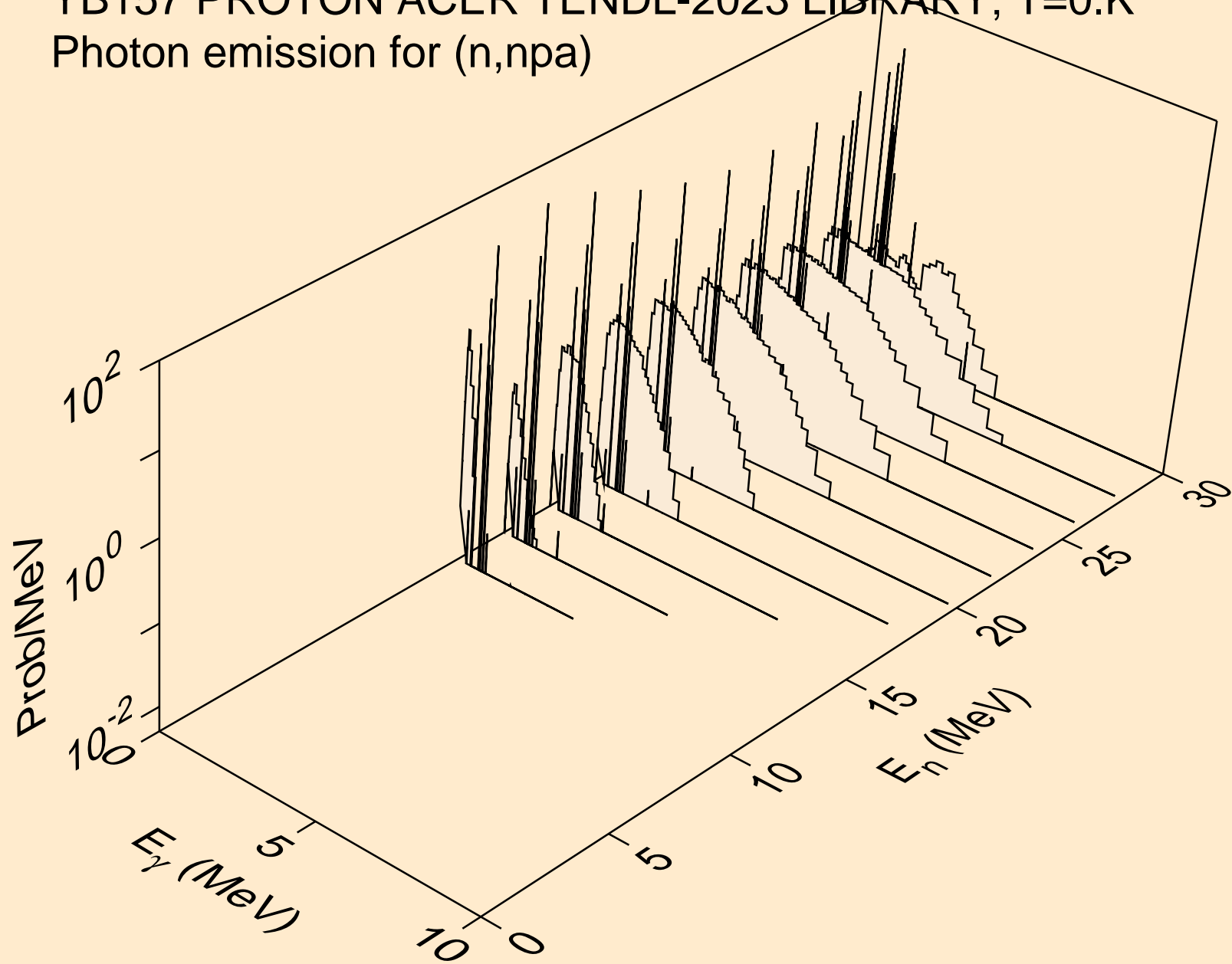


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Photon emission for (n,n2p)

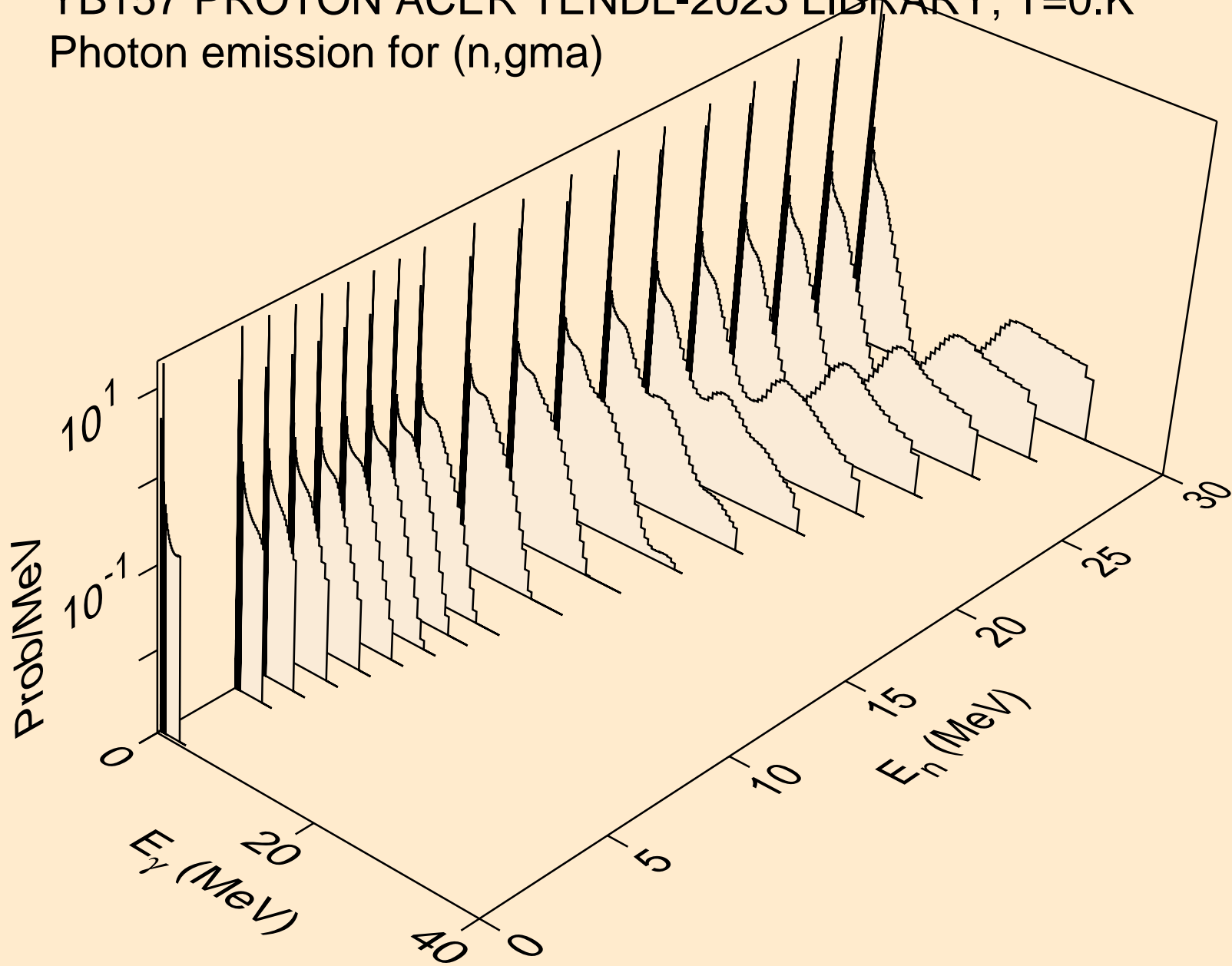




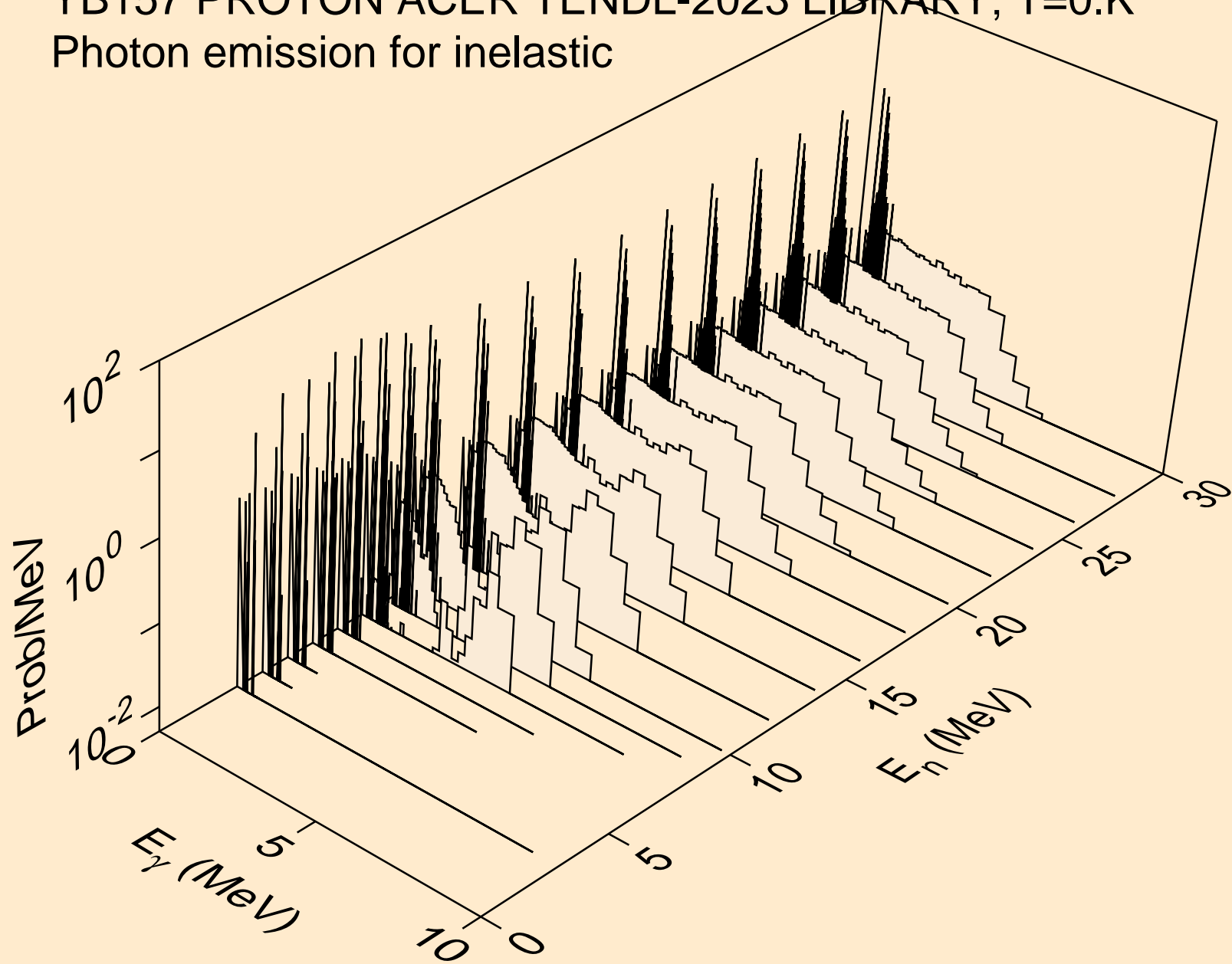
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Photon emission for (n,npa)



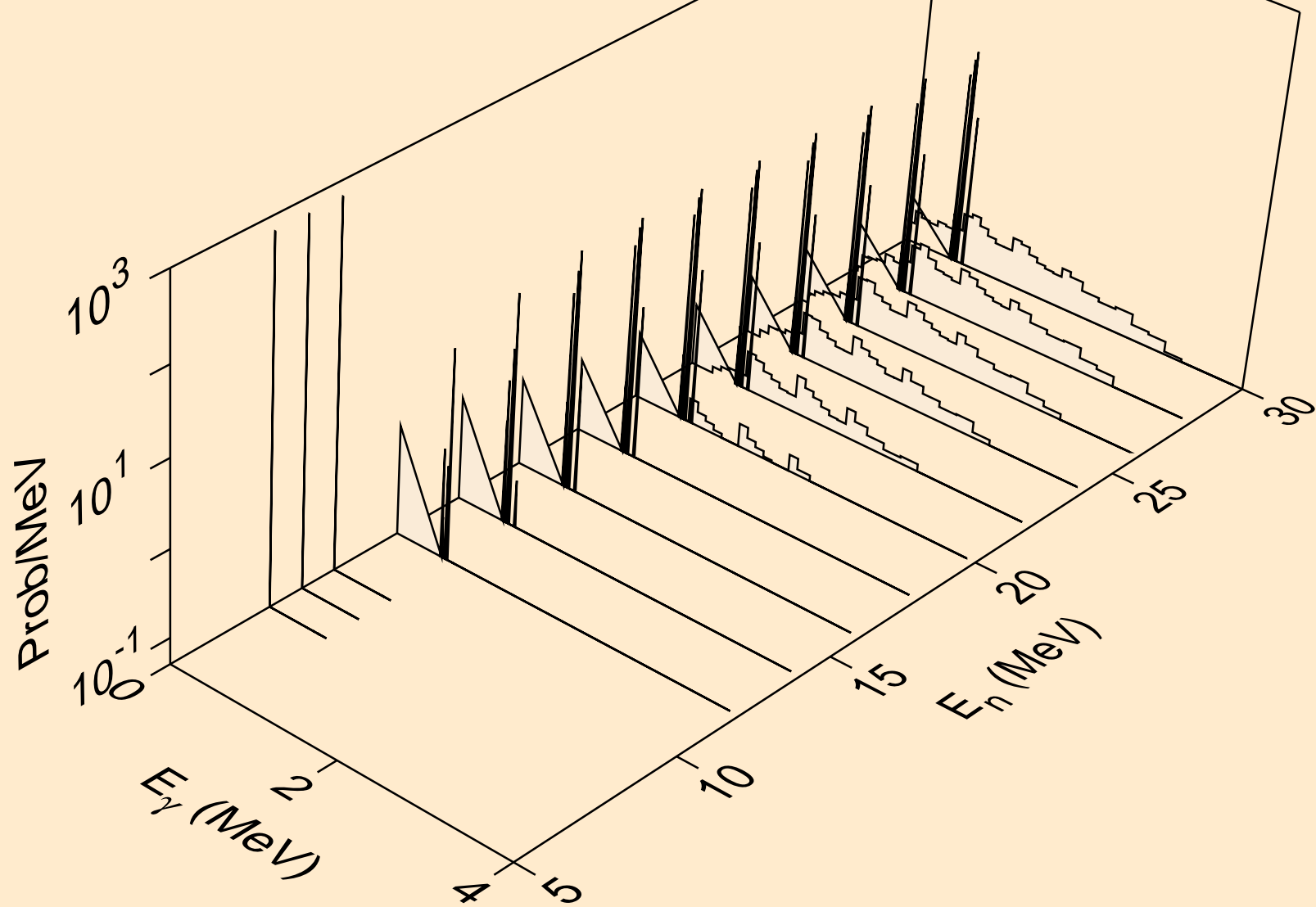
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Photon emission for (n,gma)



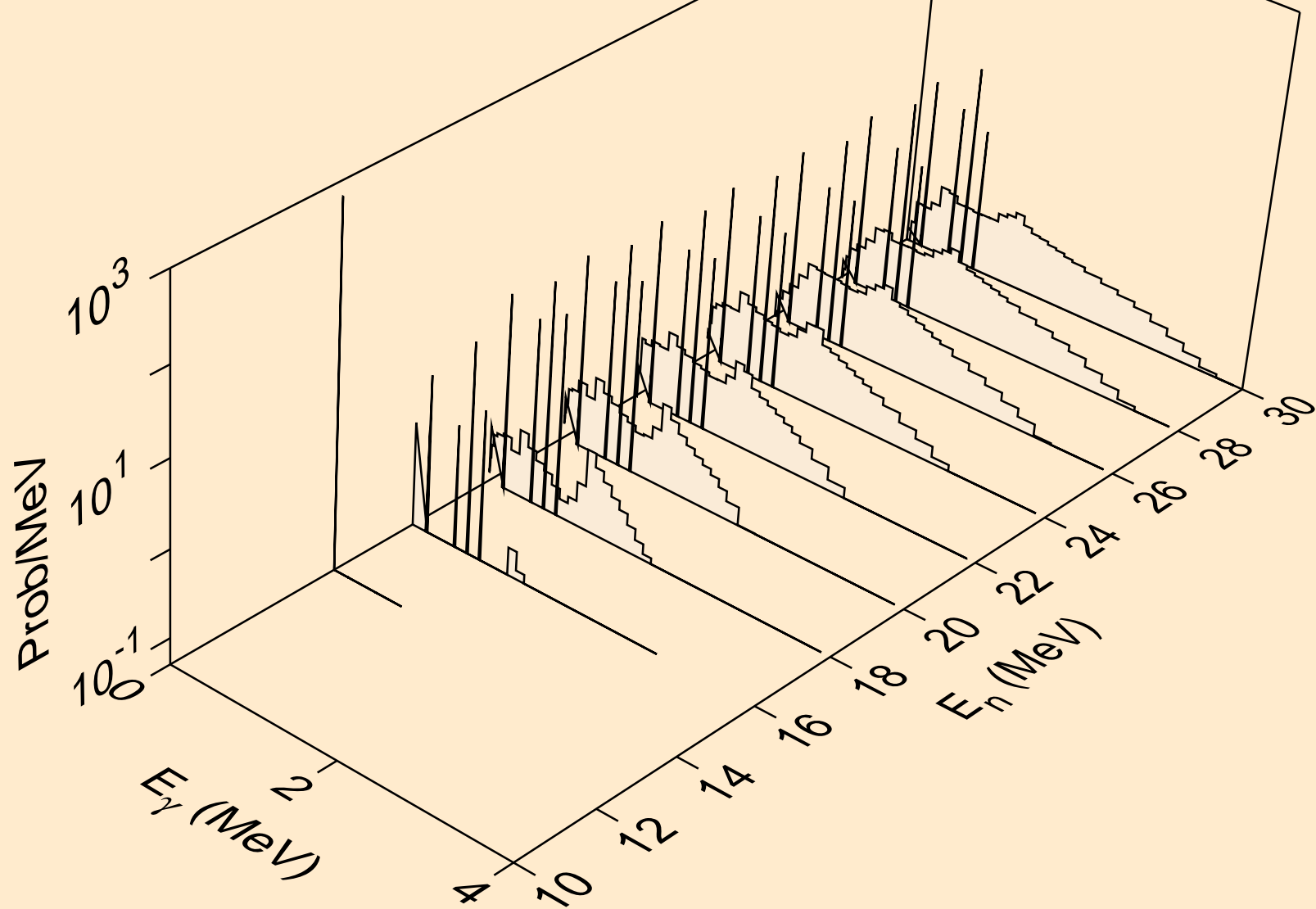
YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



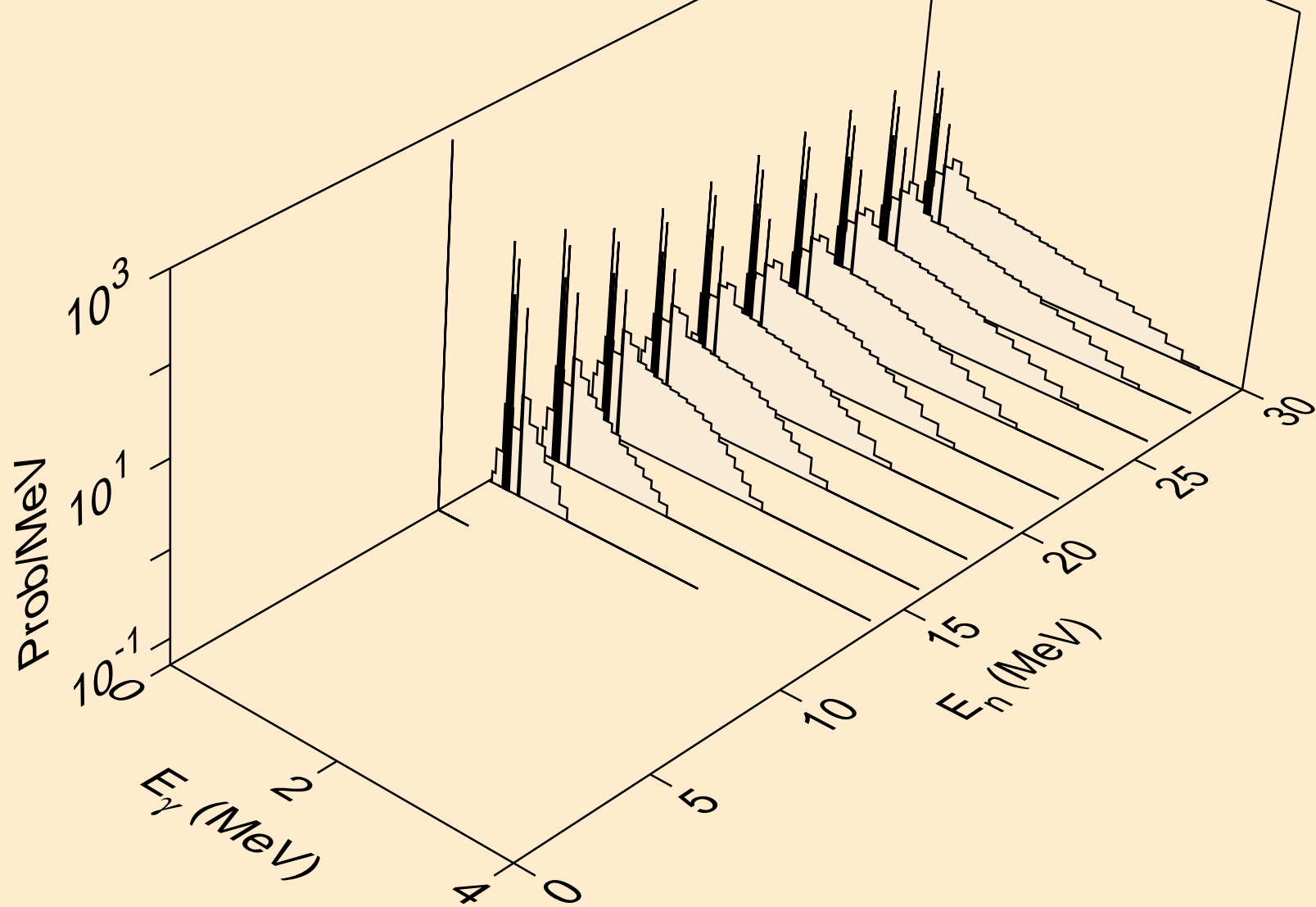
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Photon emission for (n,d)



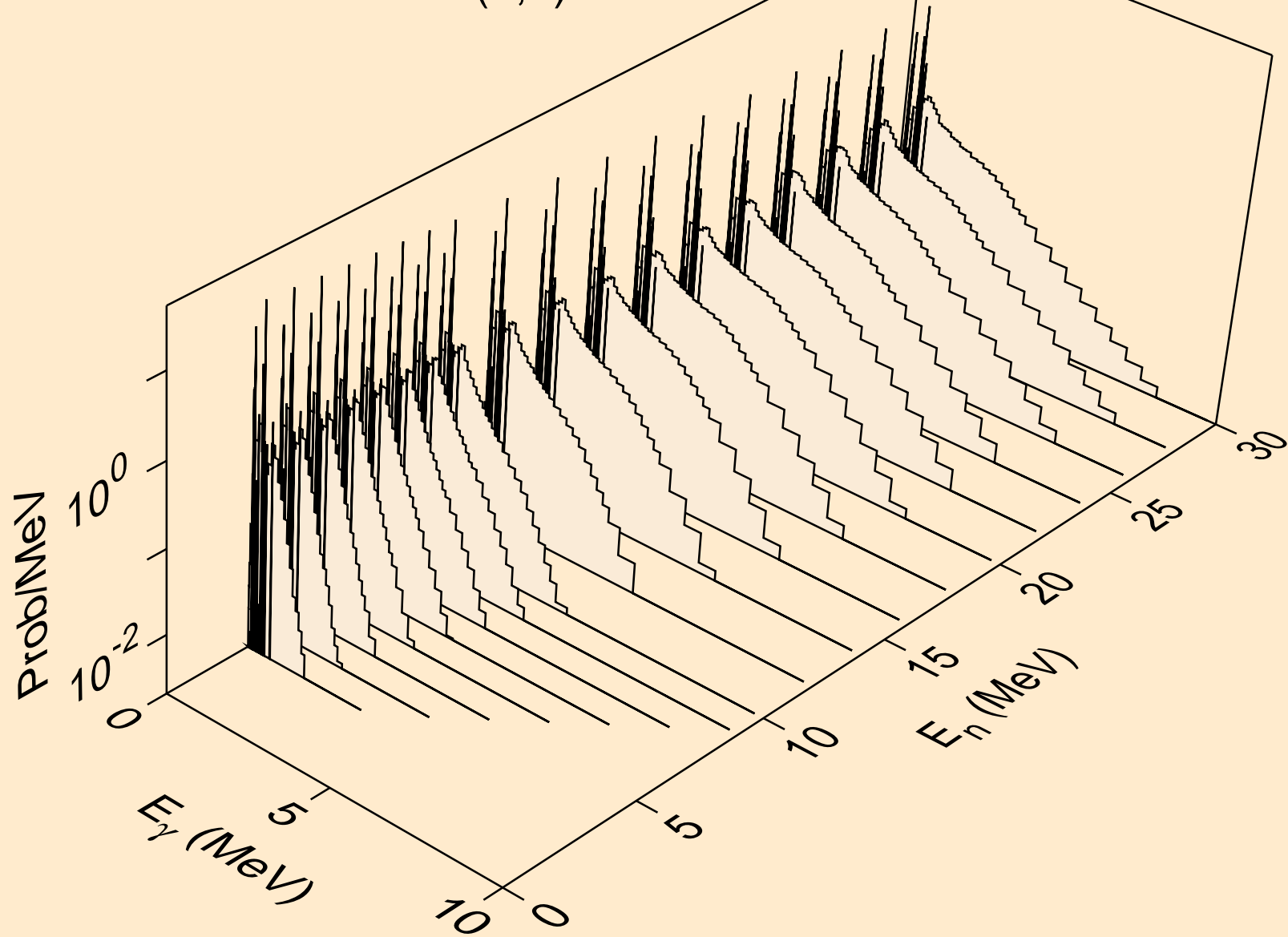
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Photon emission for (n,t)



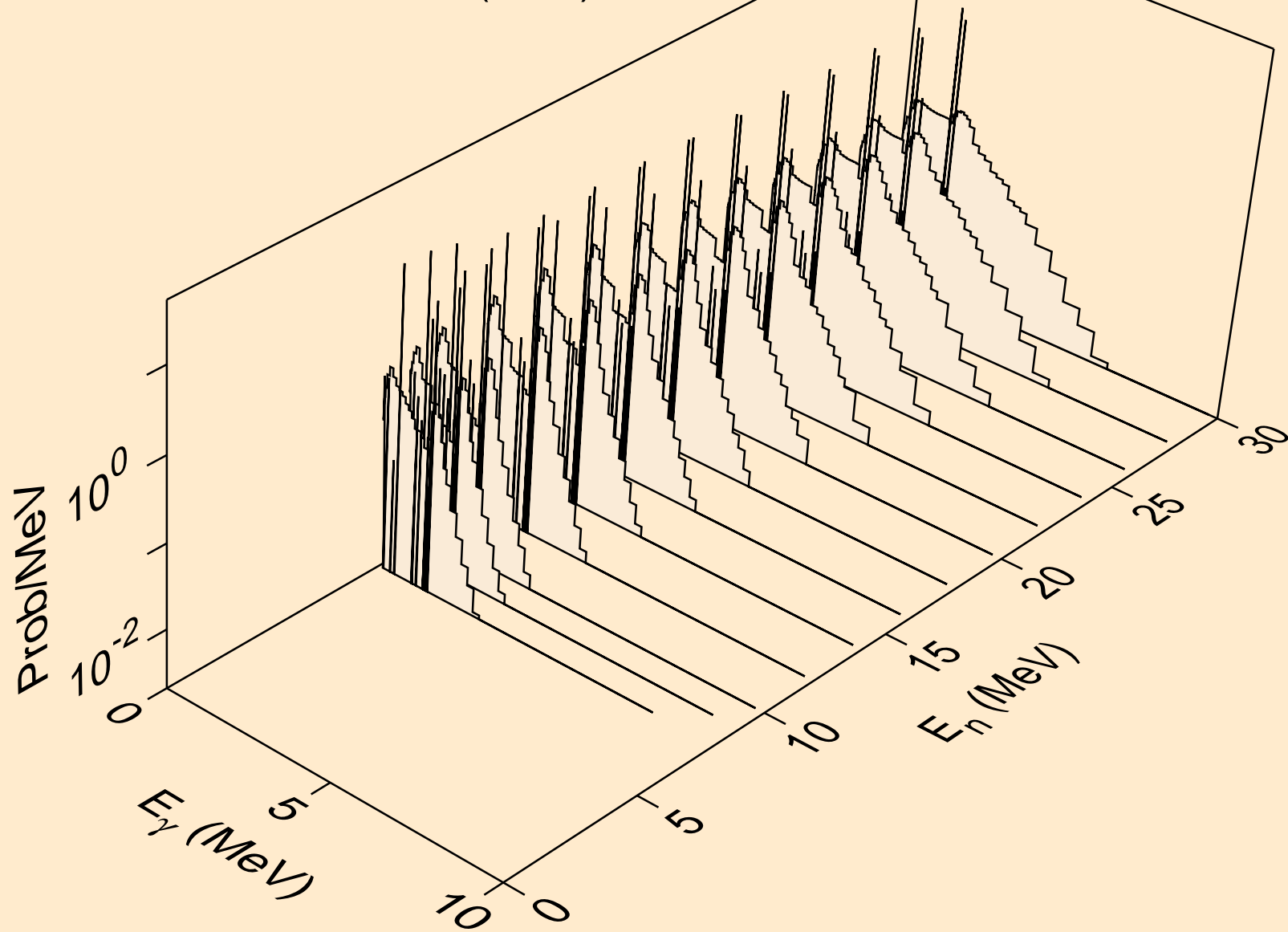
YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

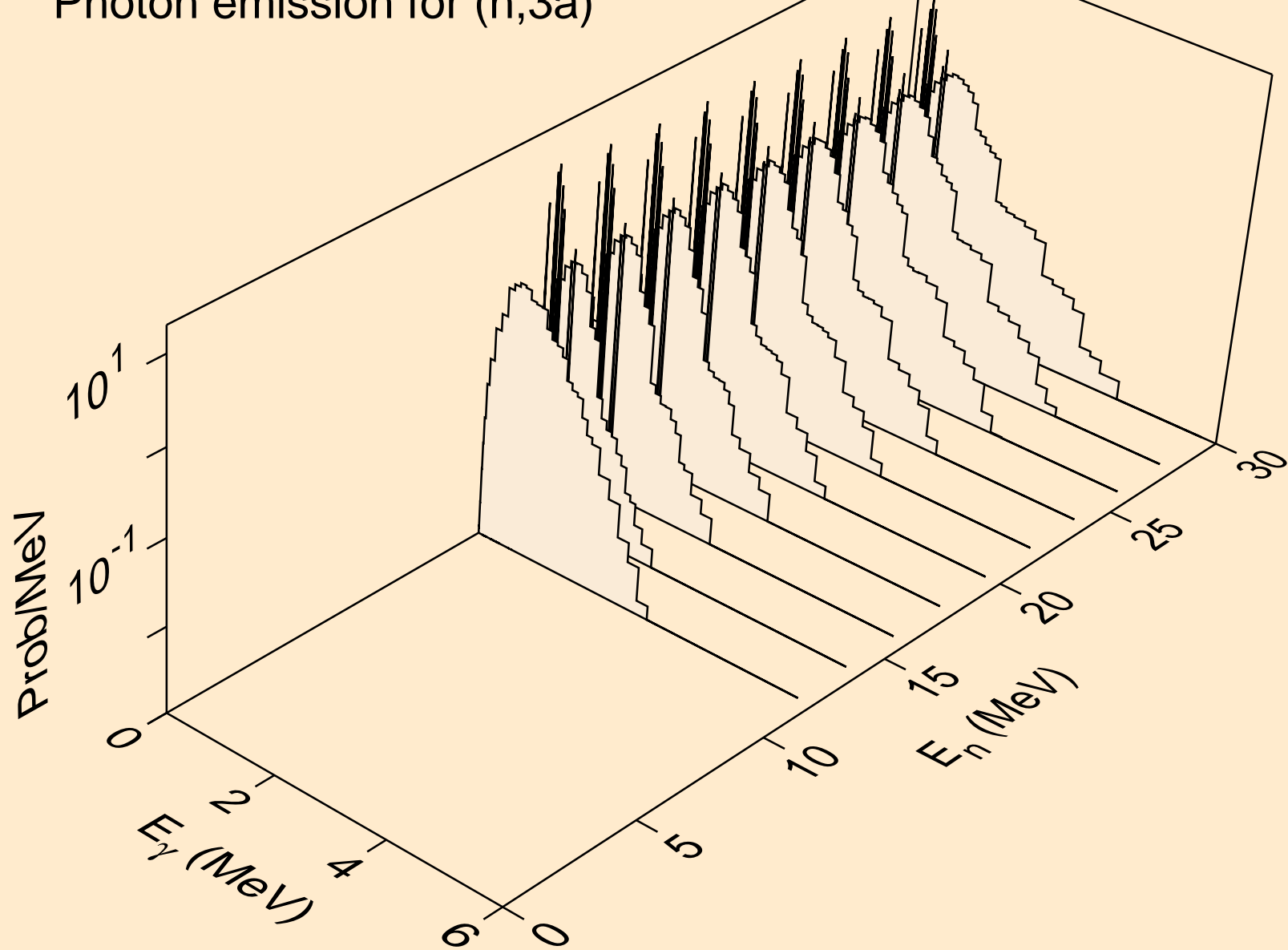


YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)

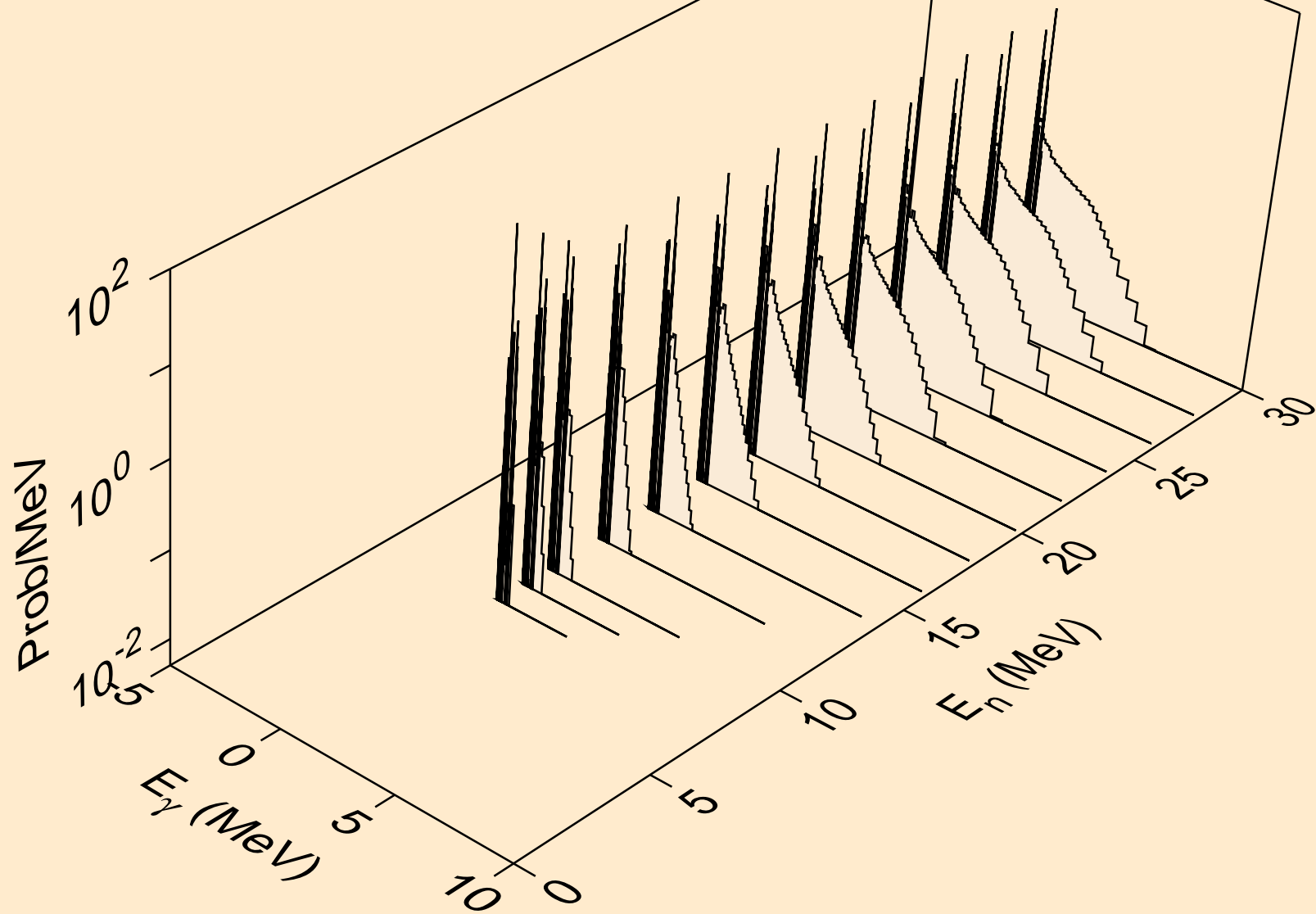




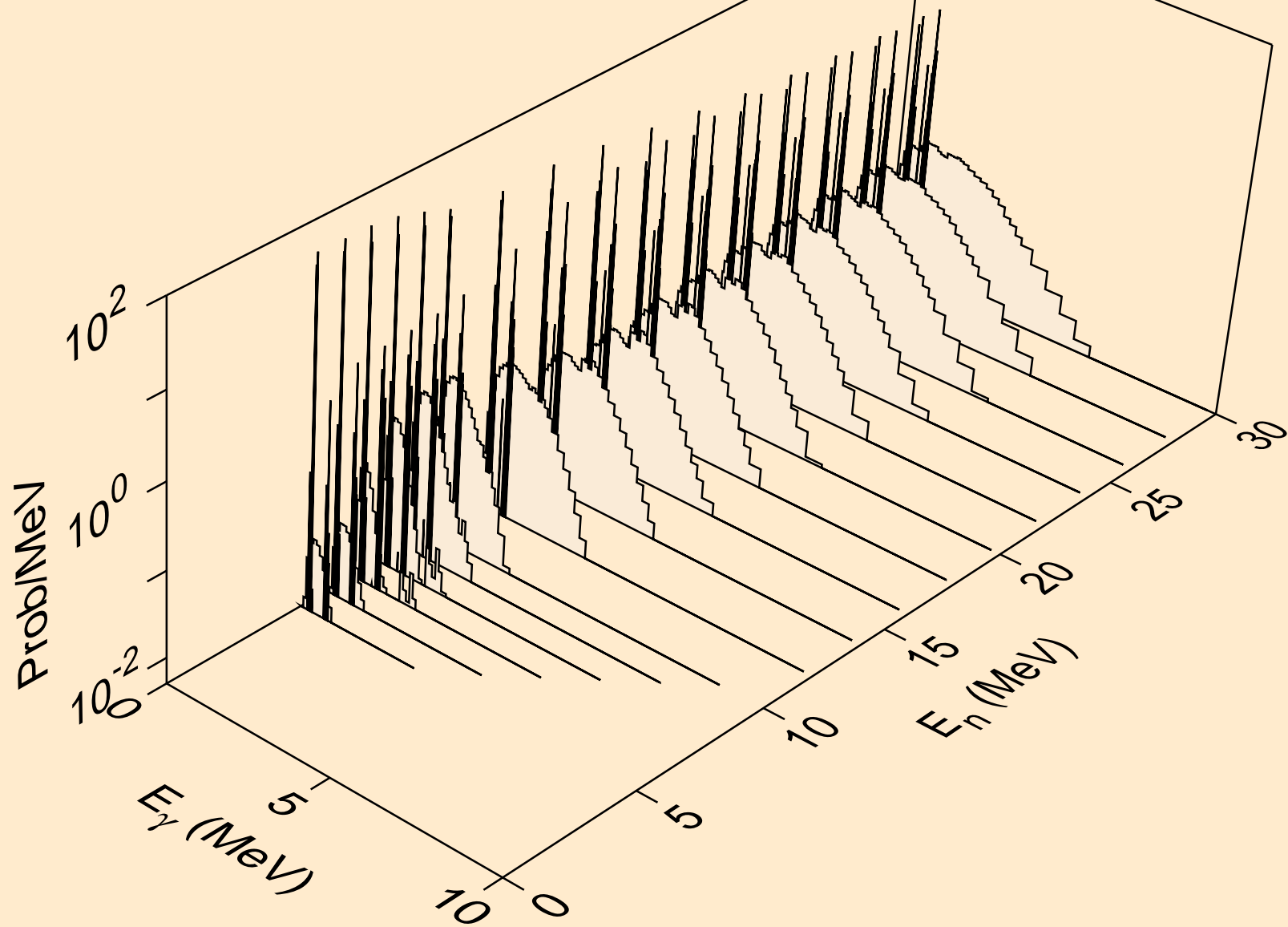
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Photon emission for (n,3a)



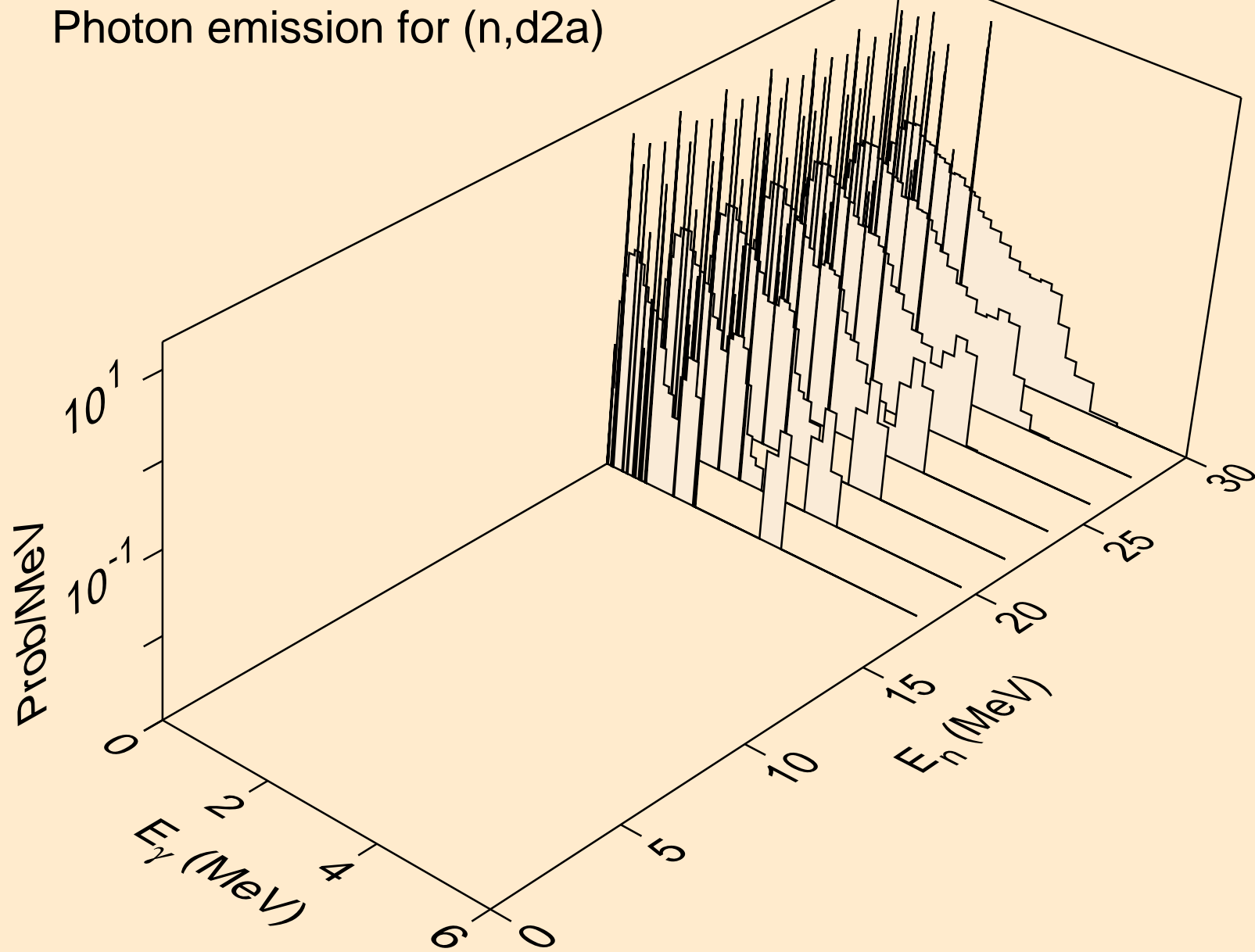
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Photon emission for (n,2p)



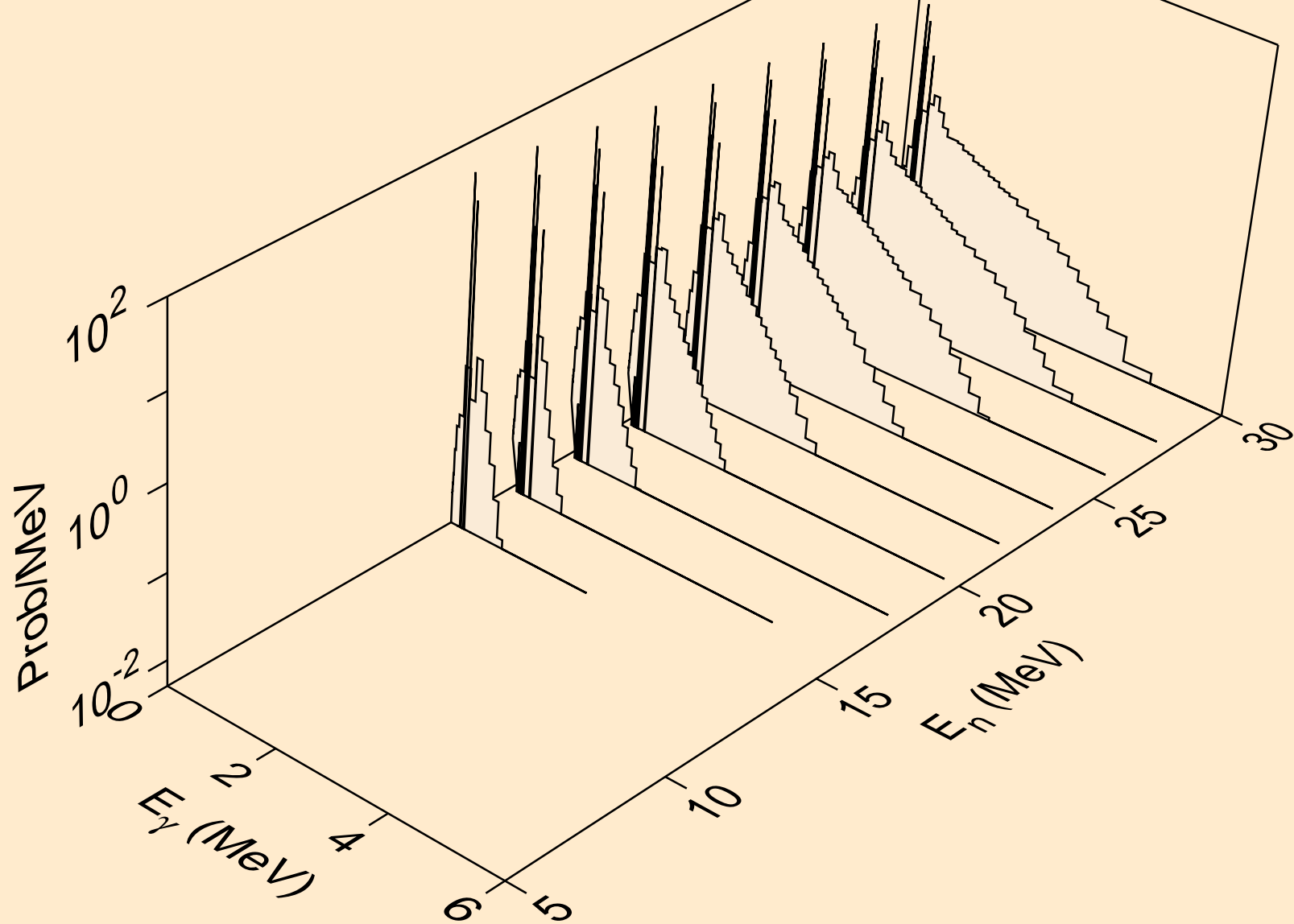
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Photon emission for (n,pa)



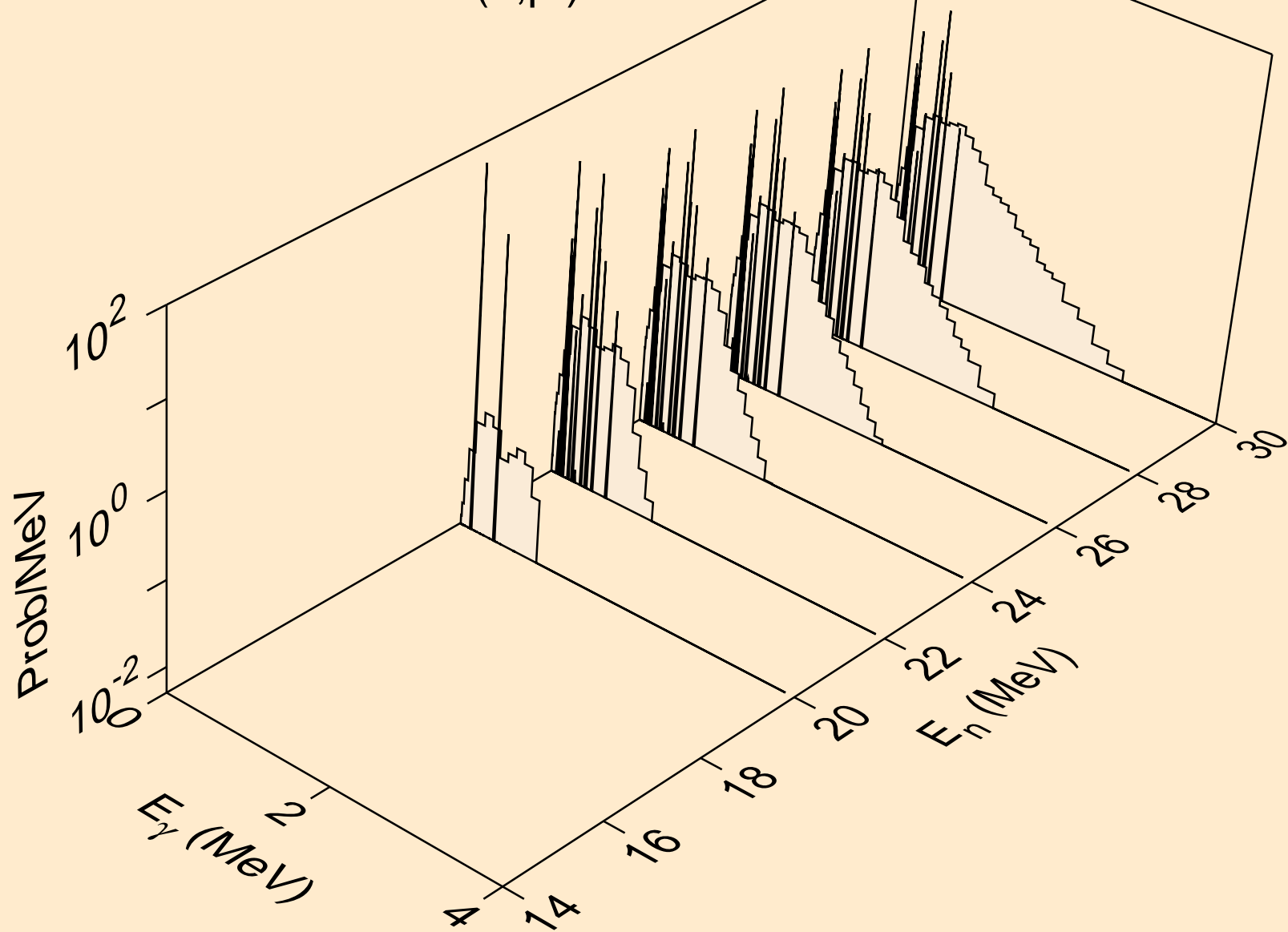
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Photon emission for (n,d2a)



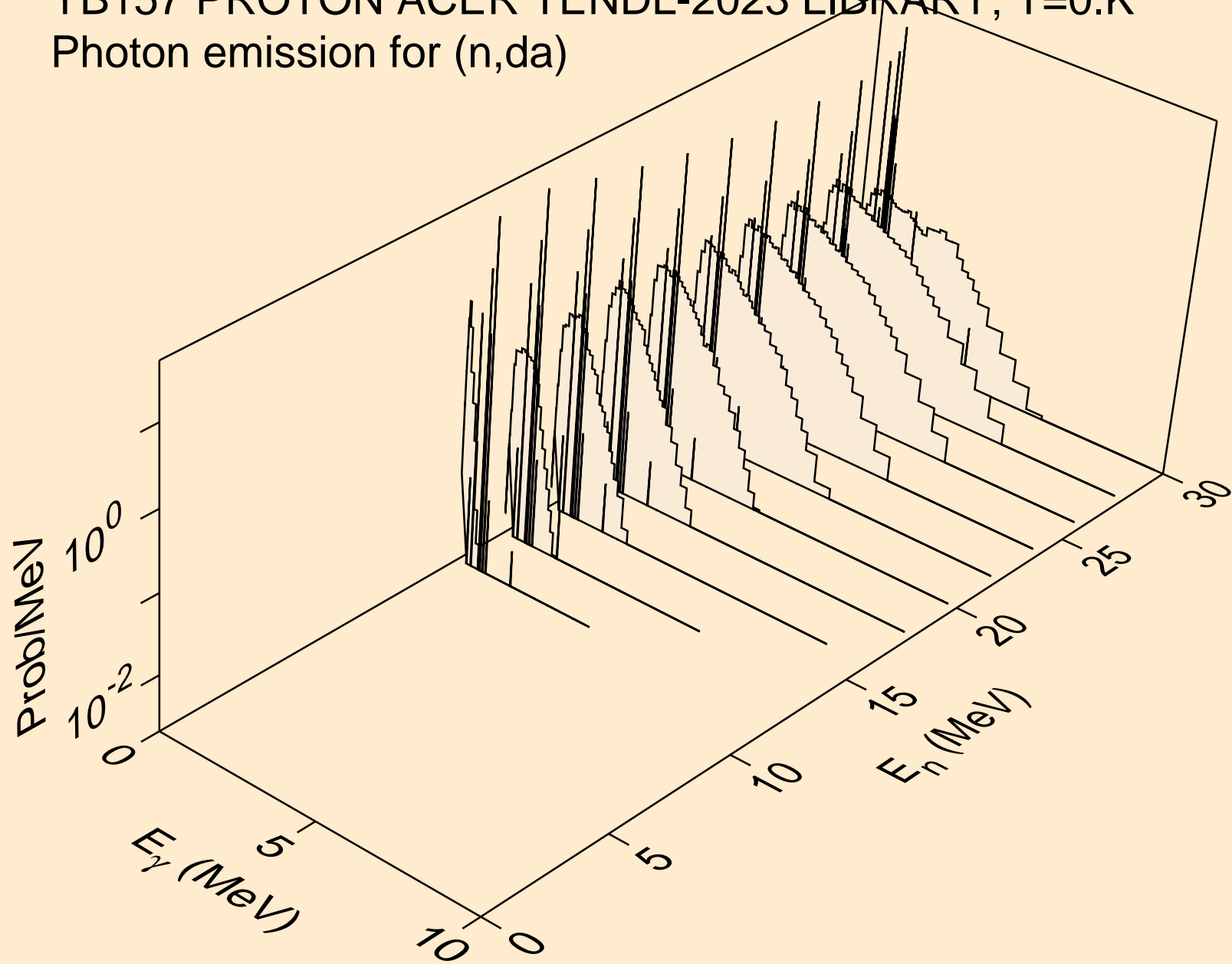
YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



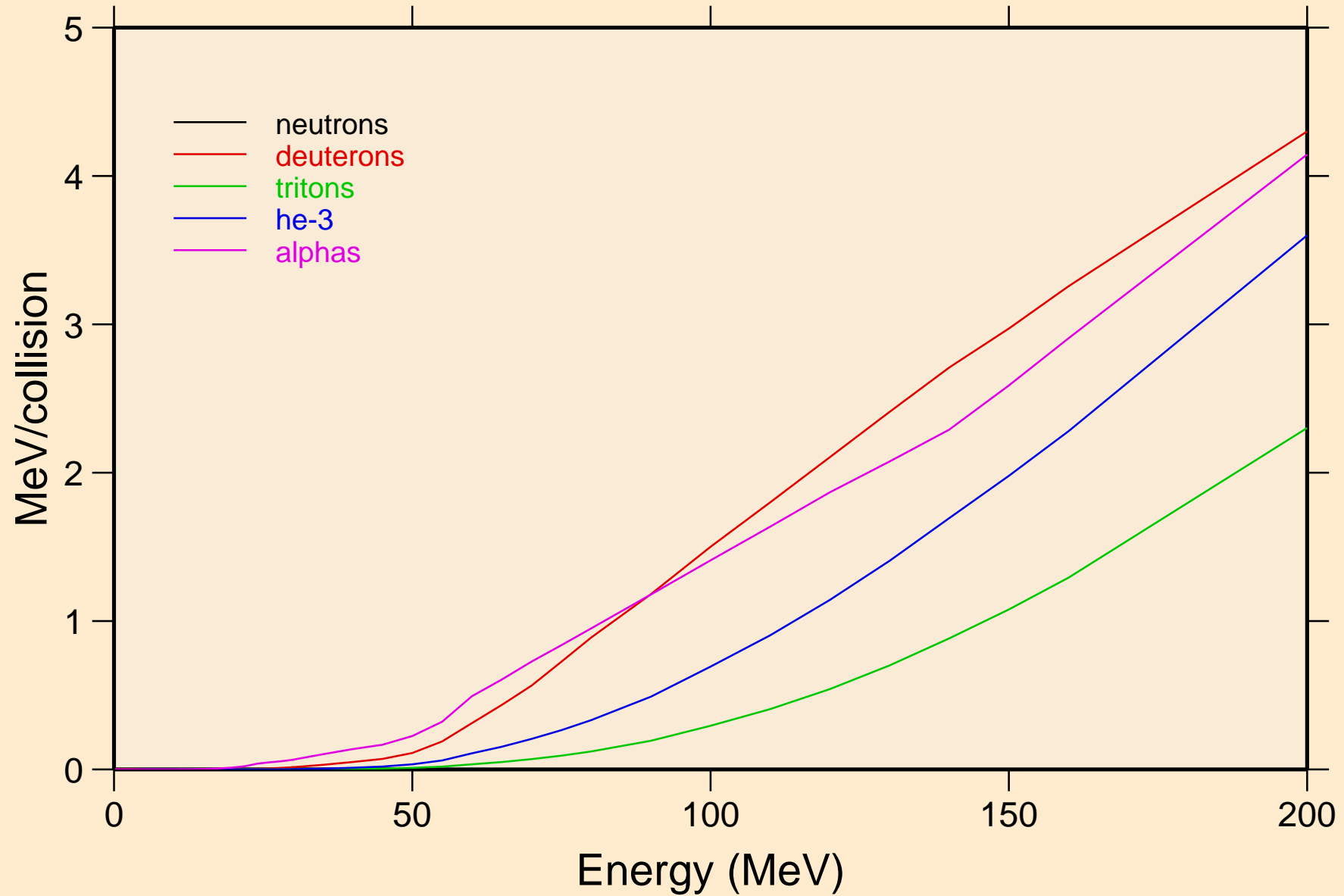
YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



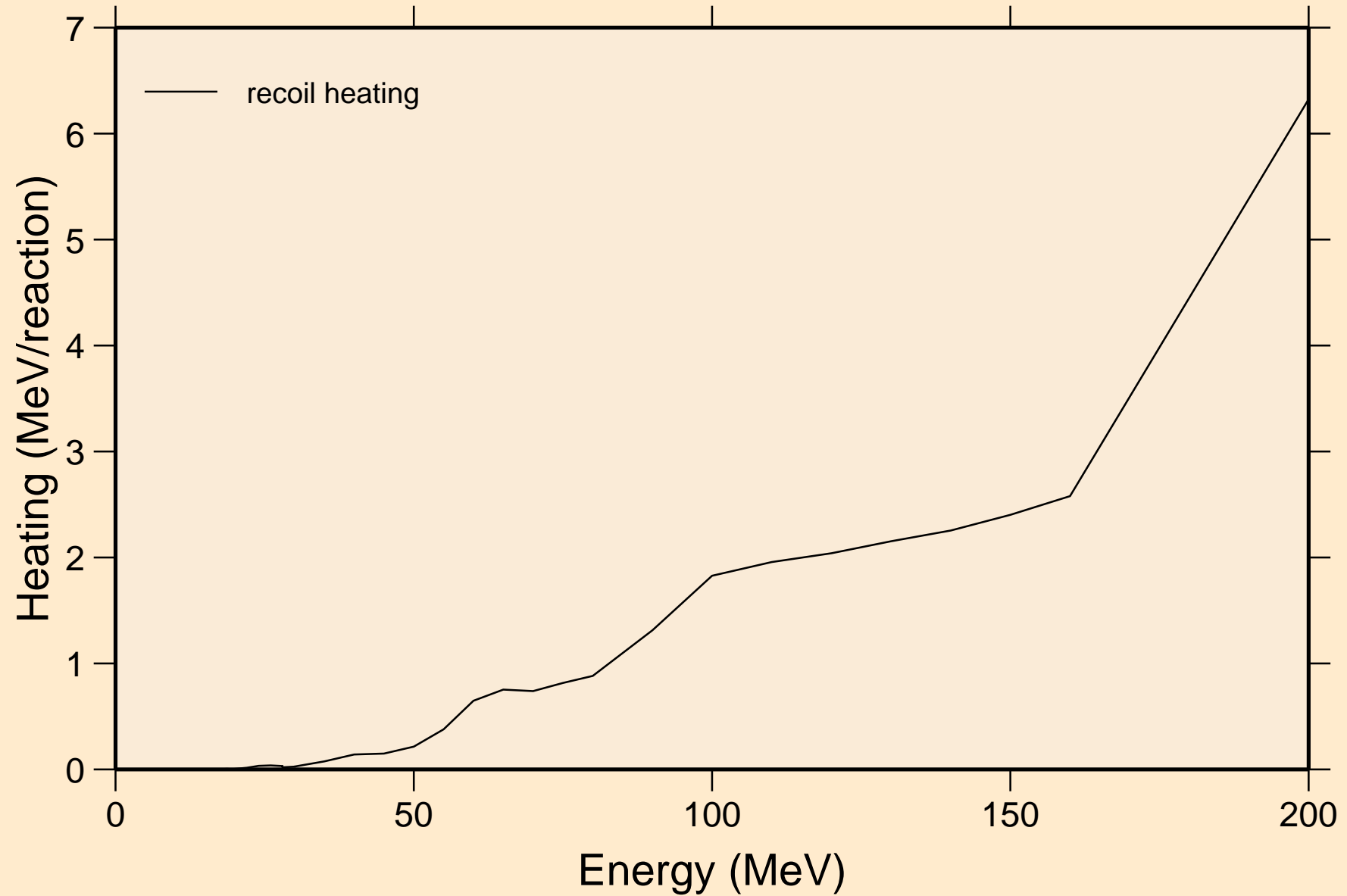
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Particle heating contributions



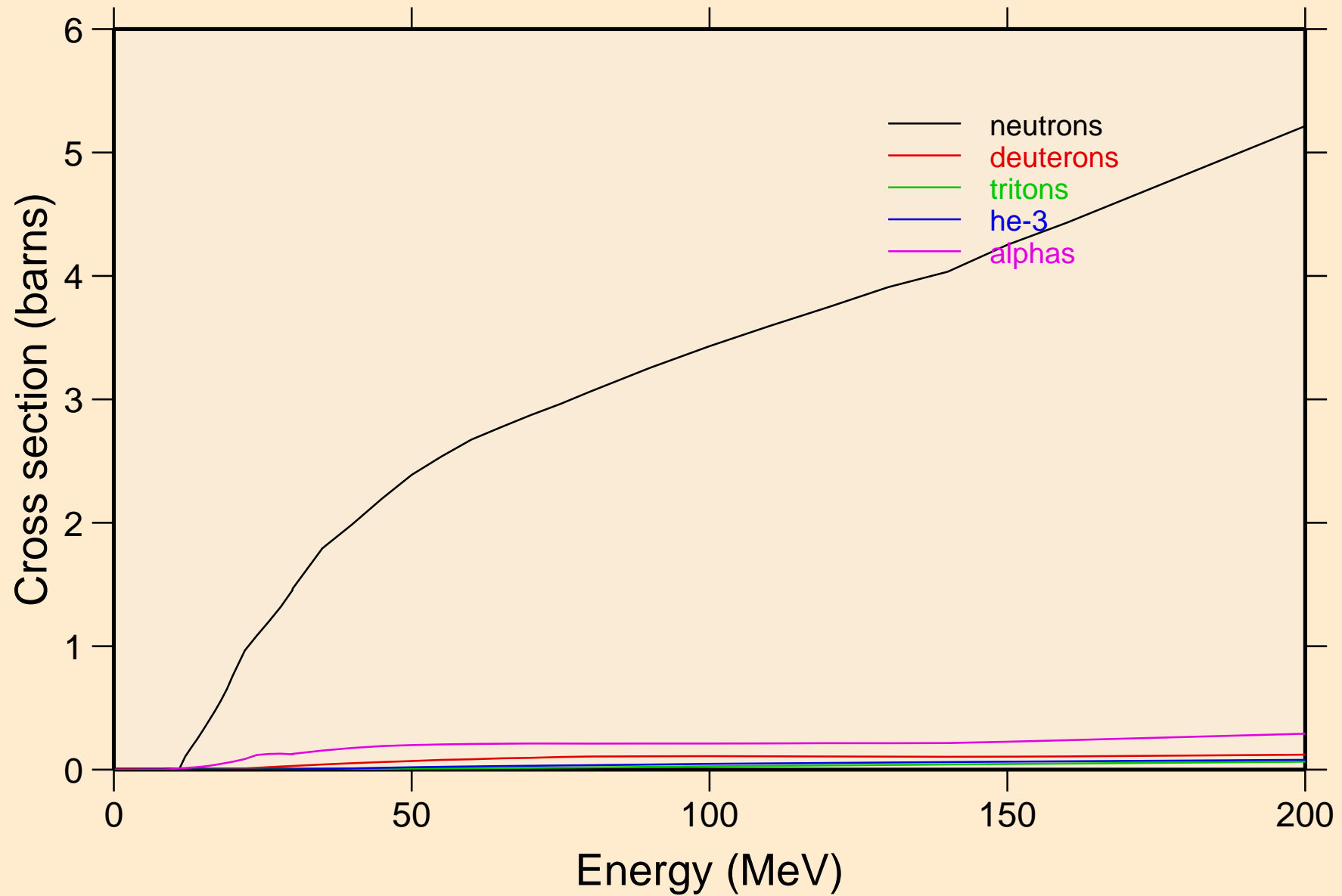


# YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K

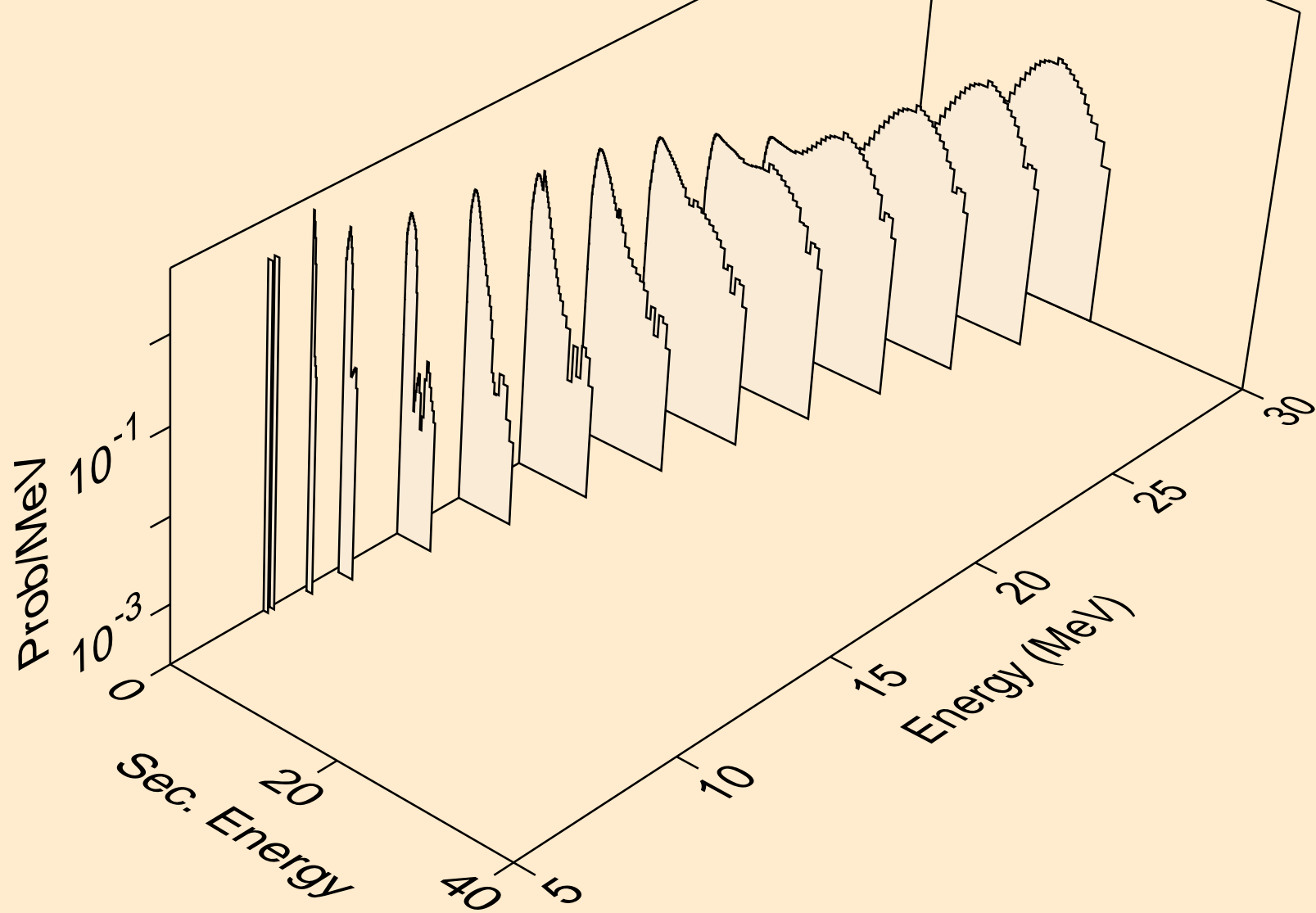
## Recoil Heating



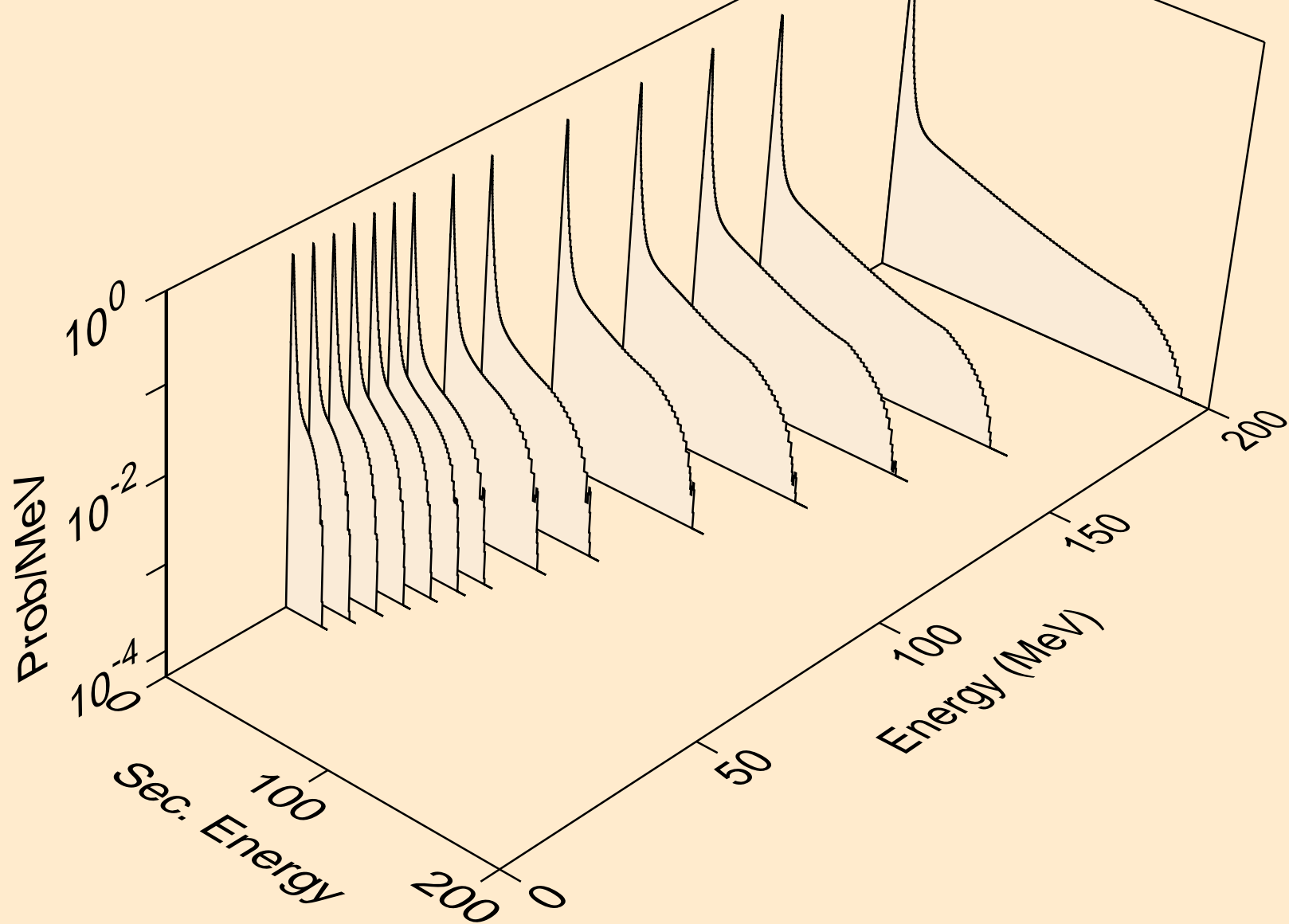
YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



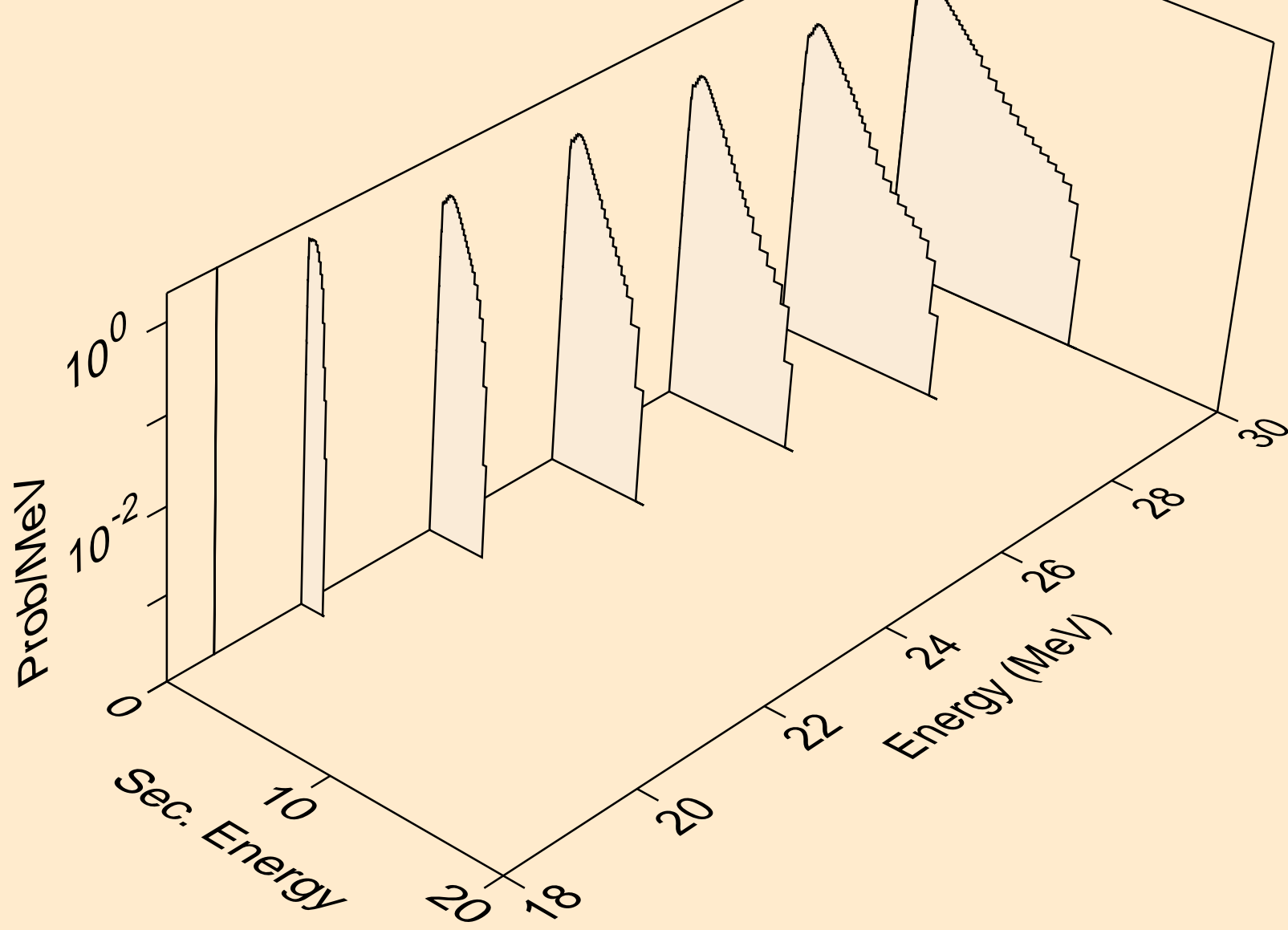
YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)



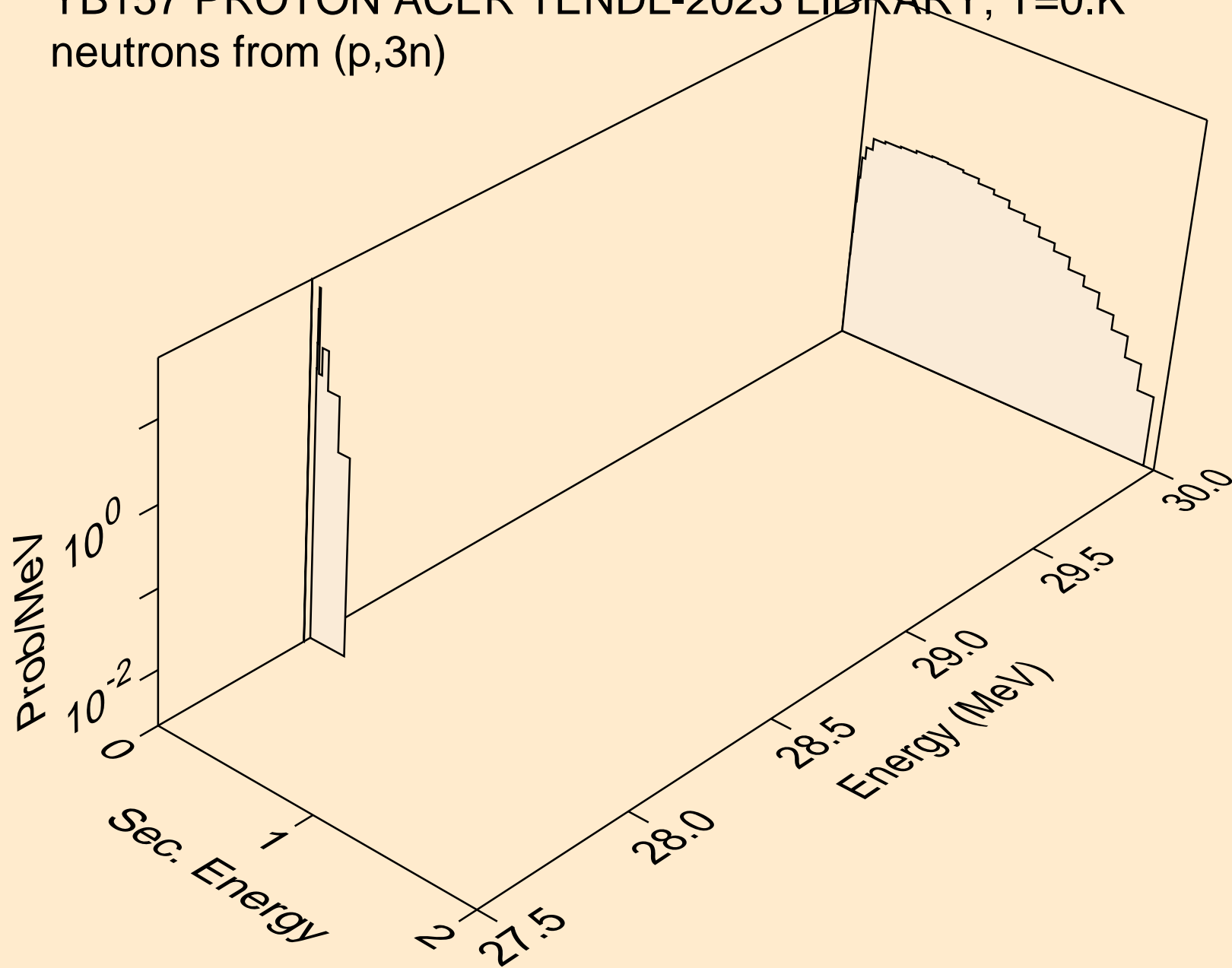
YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,x)



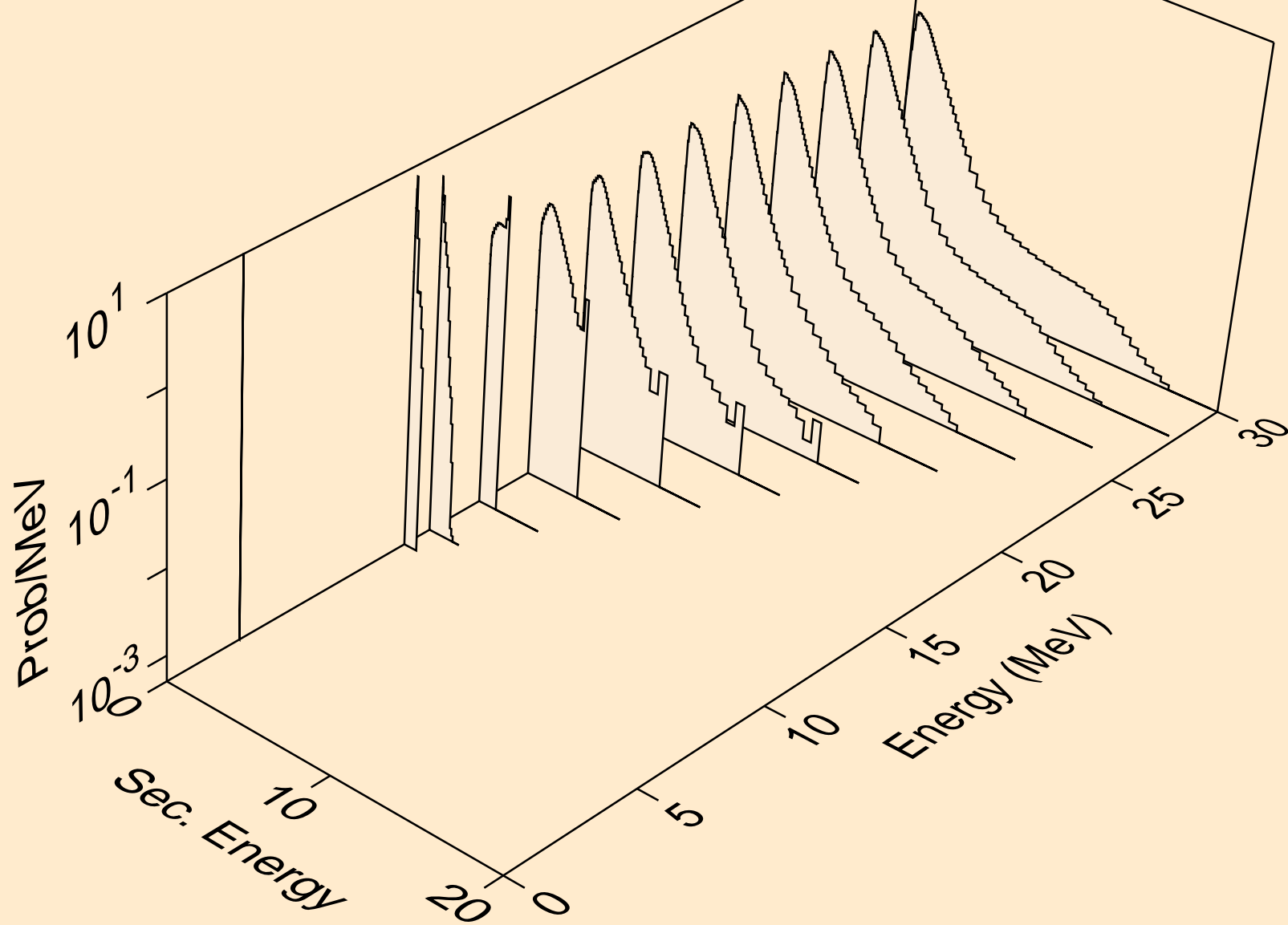
YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)



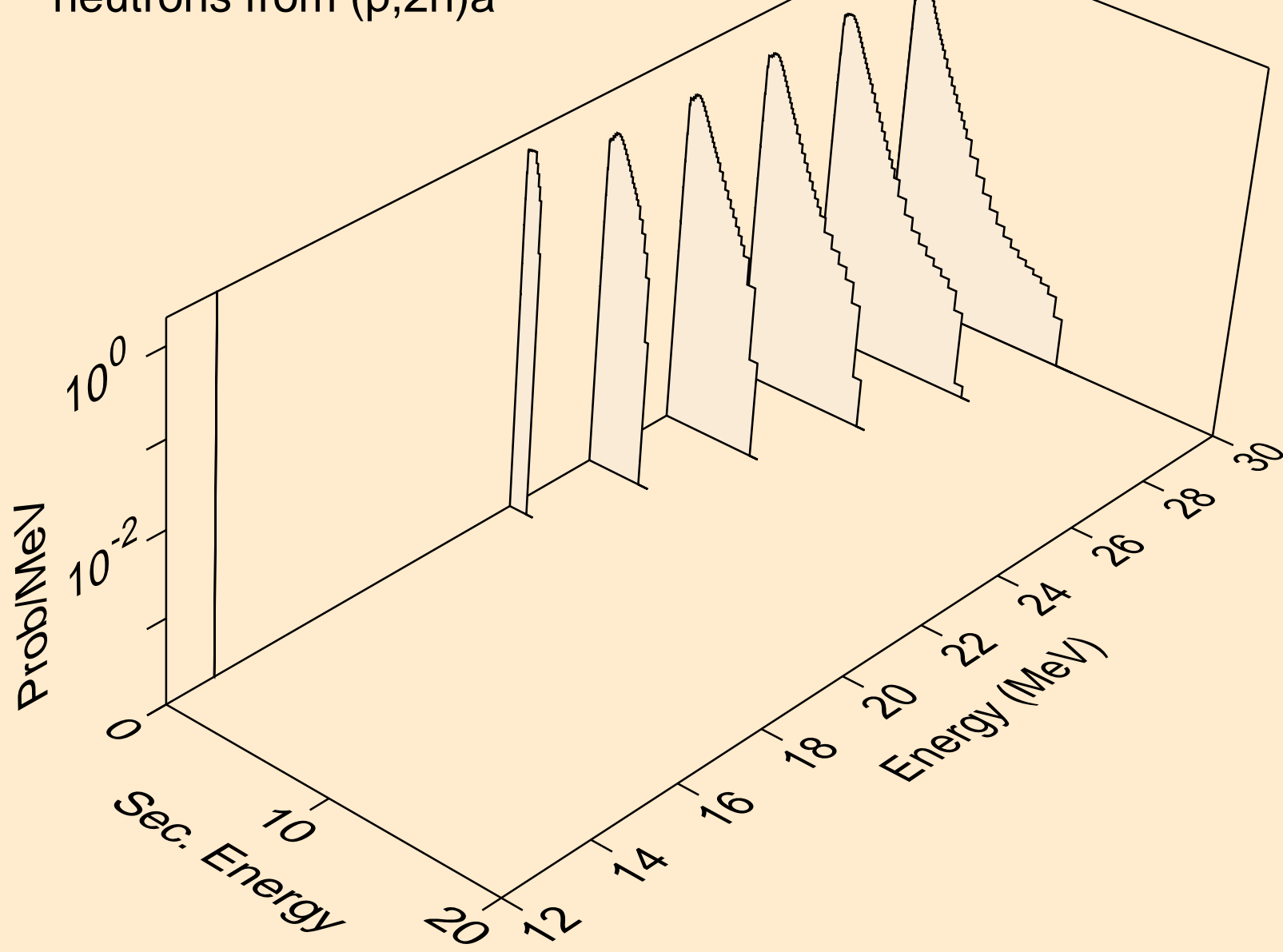
YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3n)



YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)a

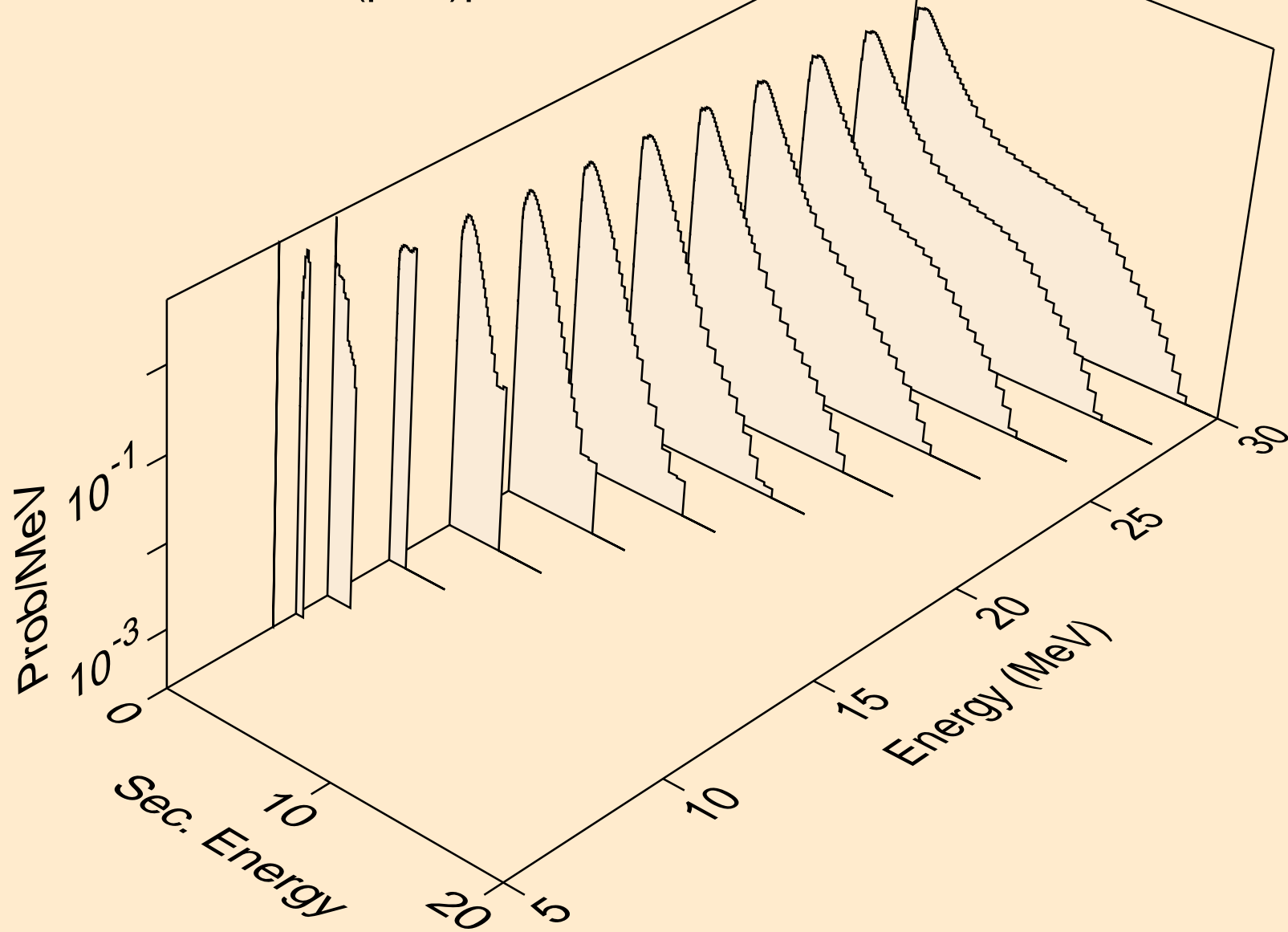


YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)a

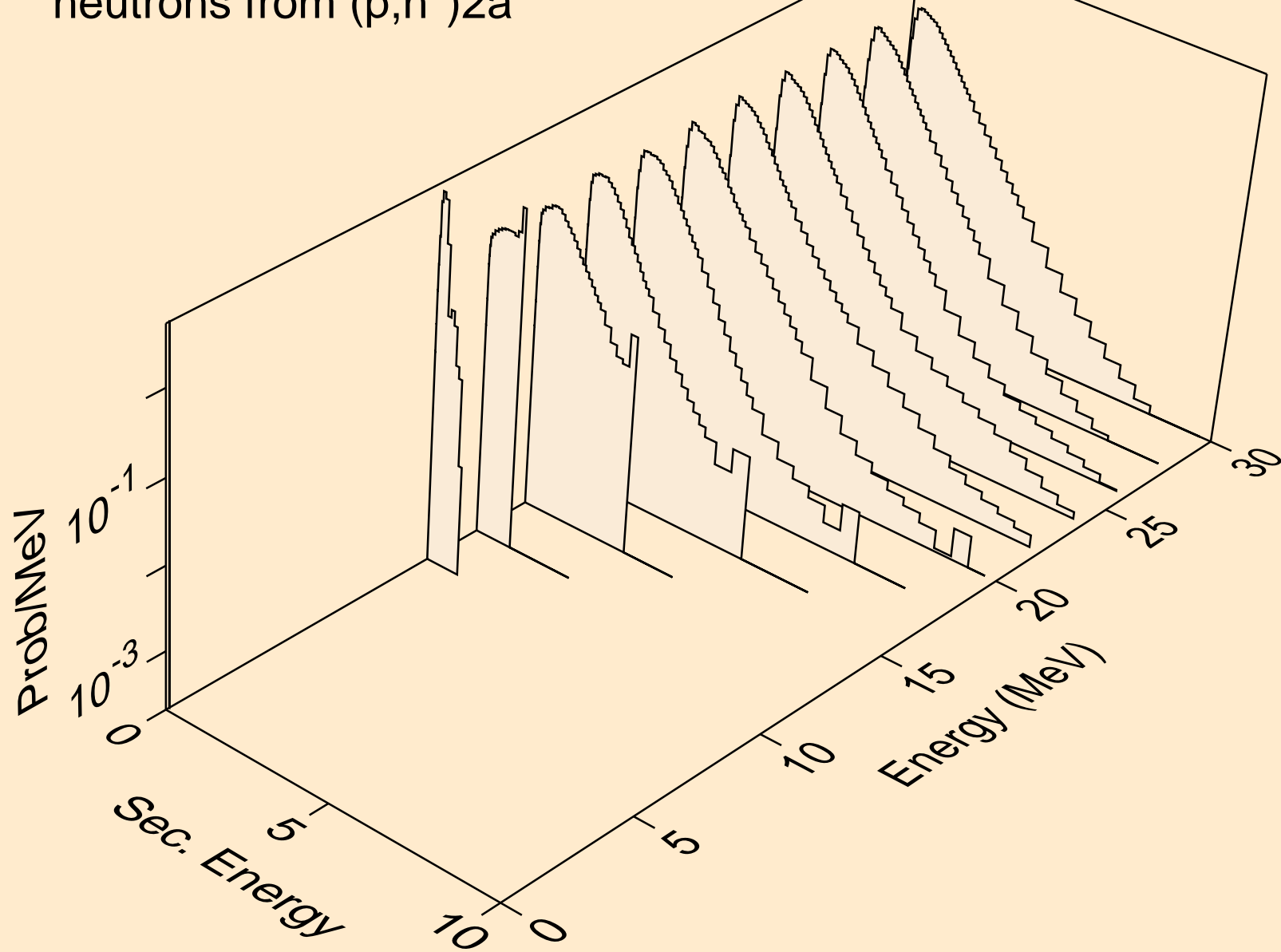




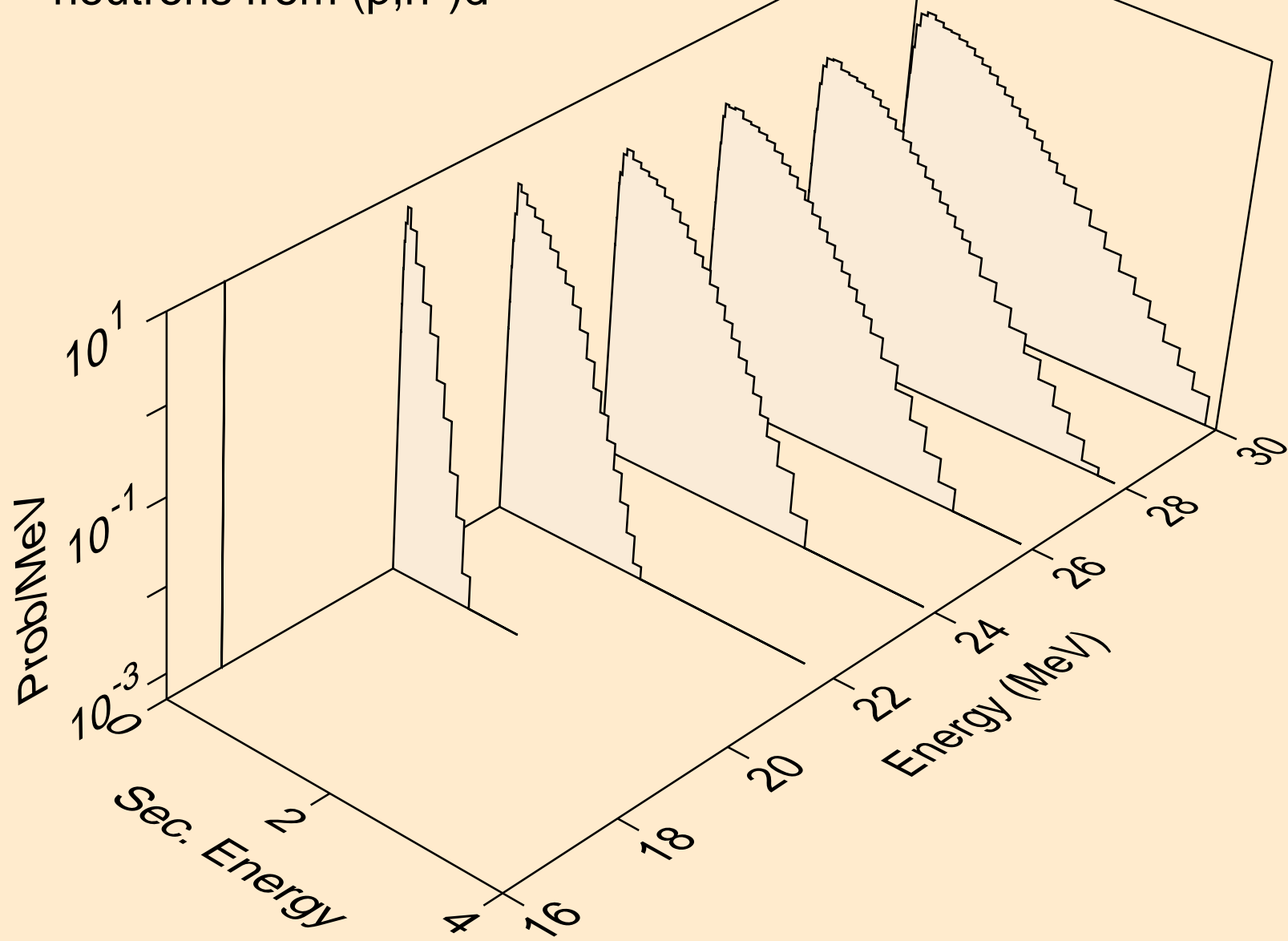
YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)p



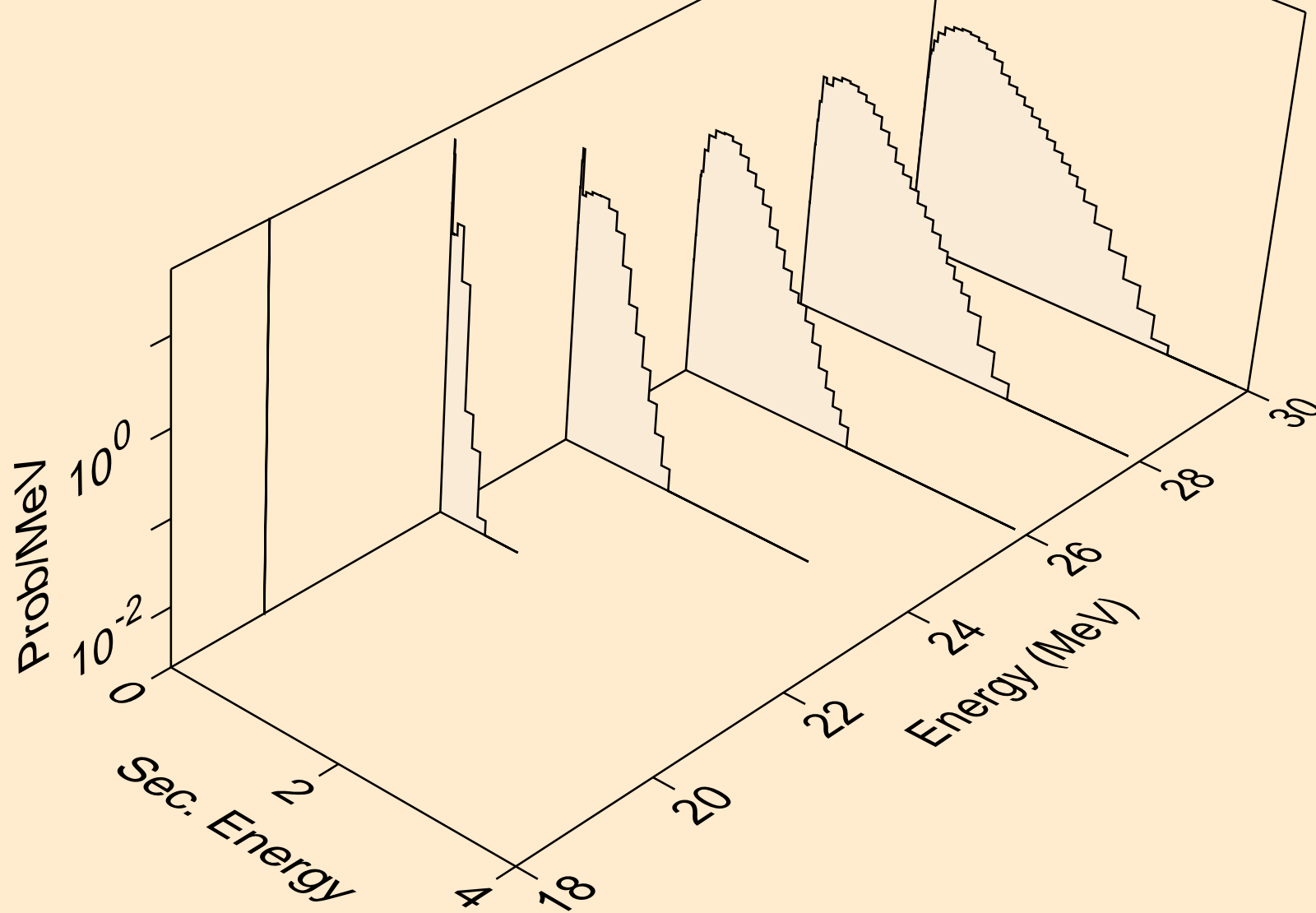
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neutrons from (p,n\*)2a



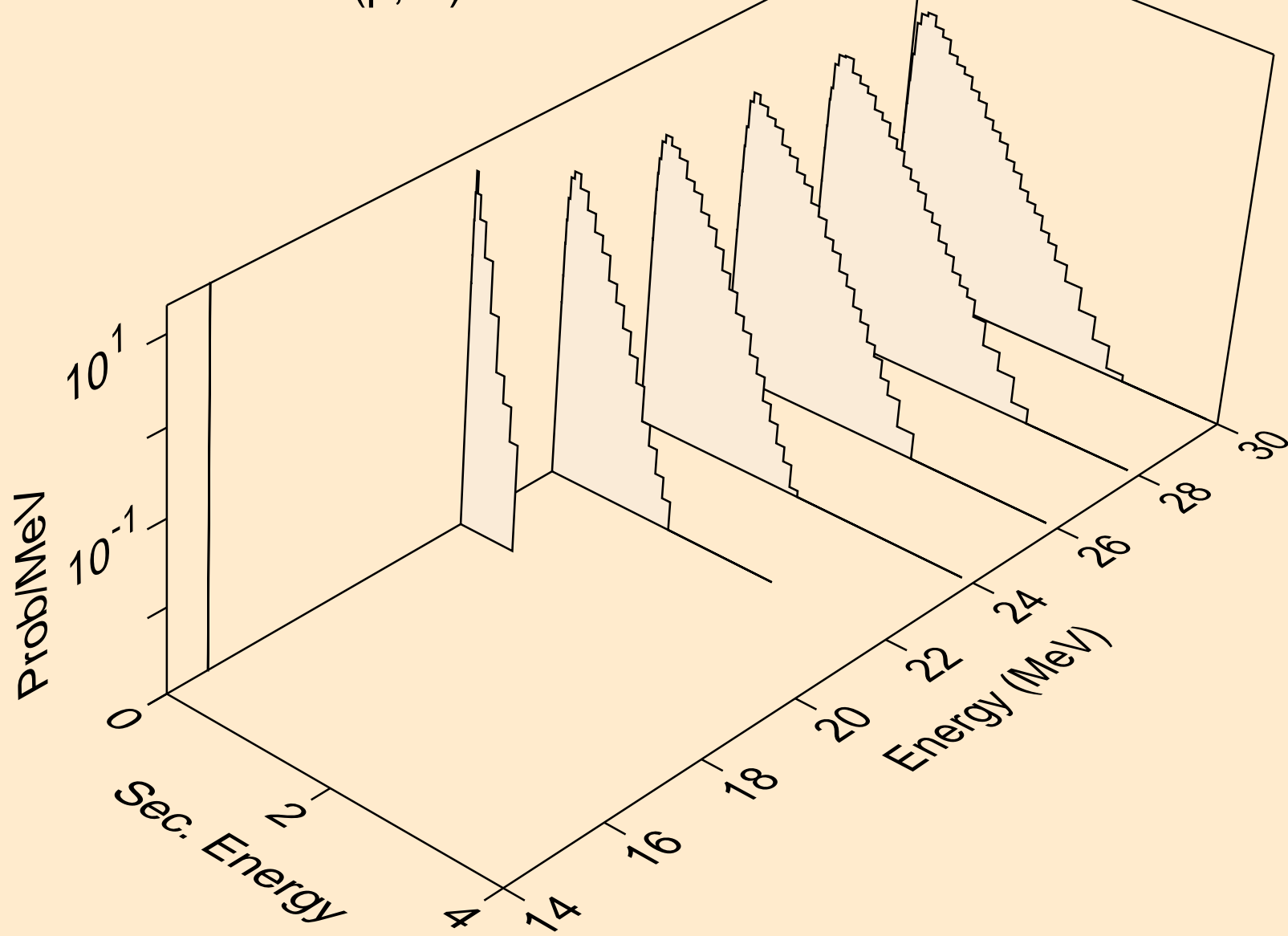
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neutrons from (p,n\*)d



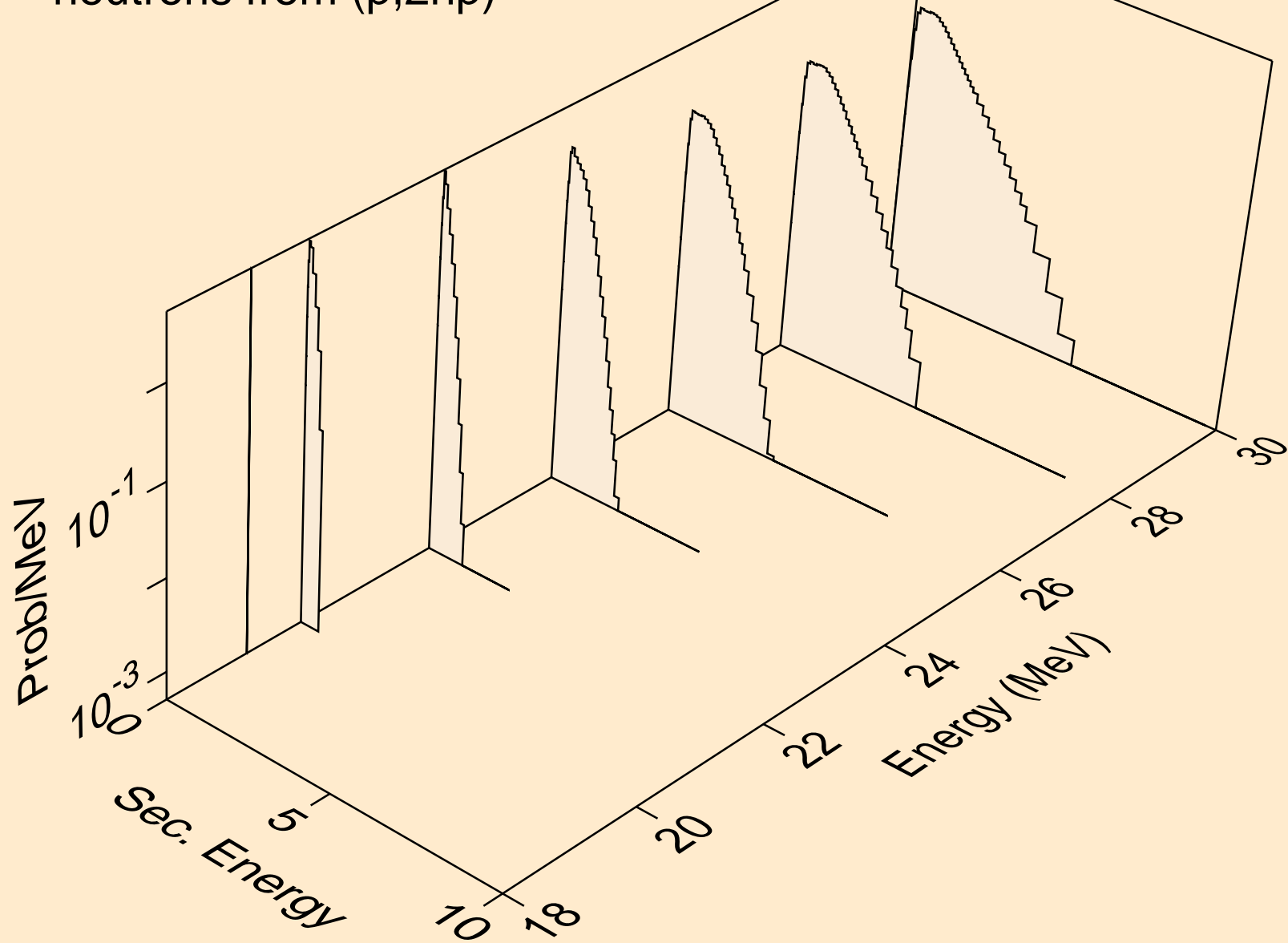
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neutrons from (p,n\*)t



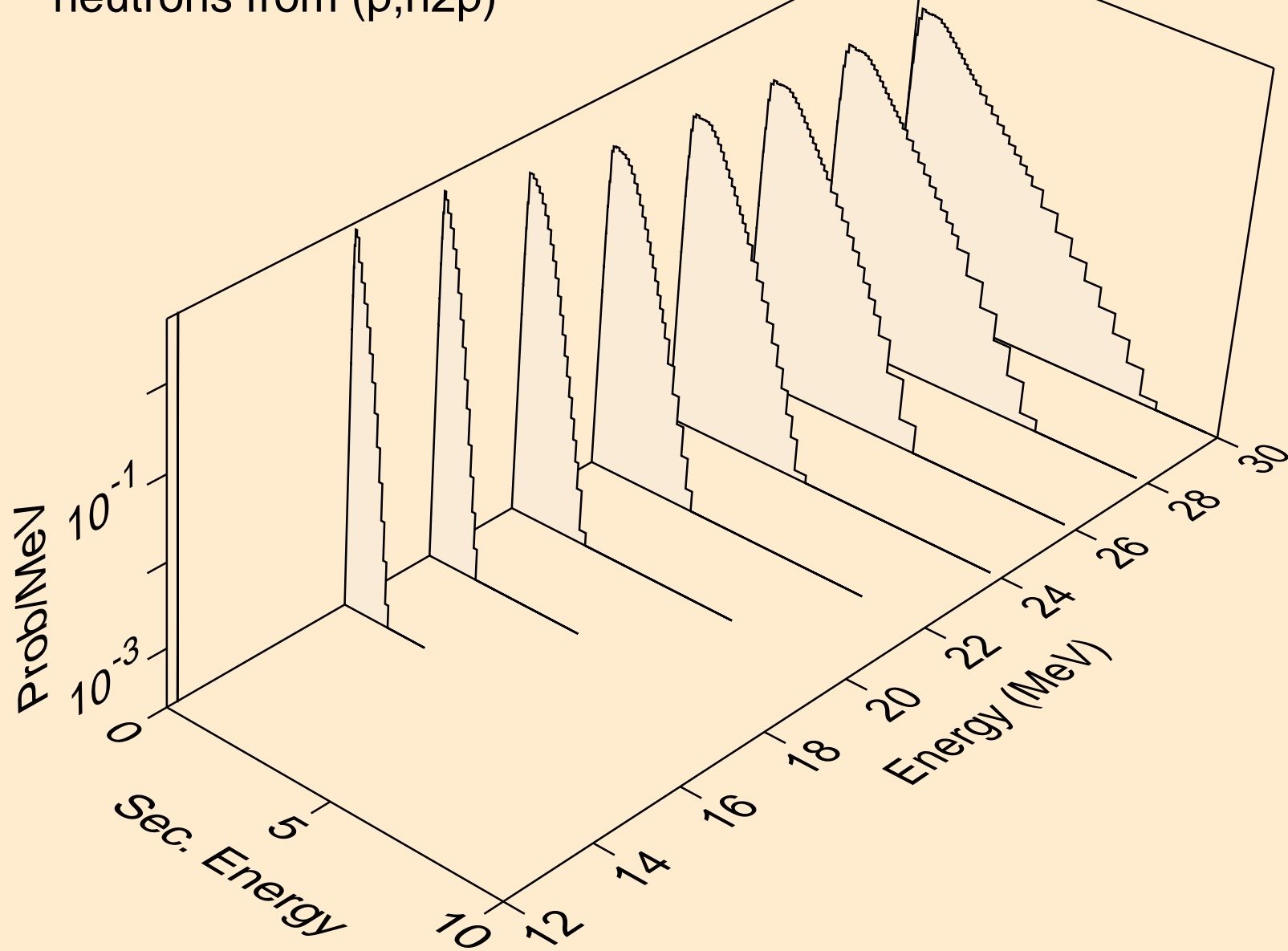
YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



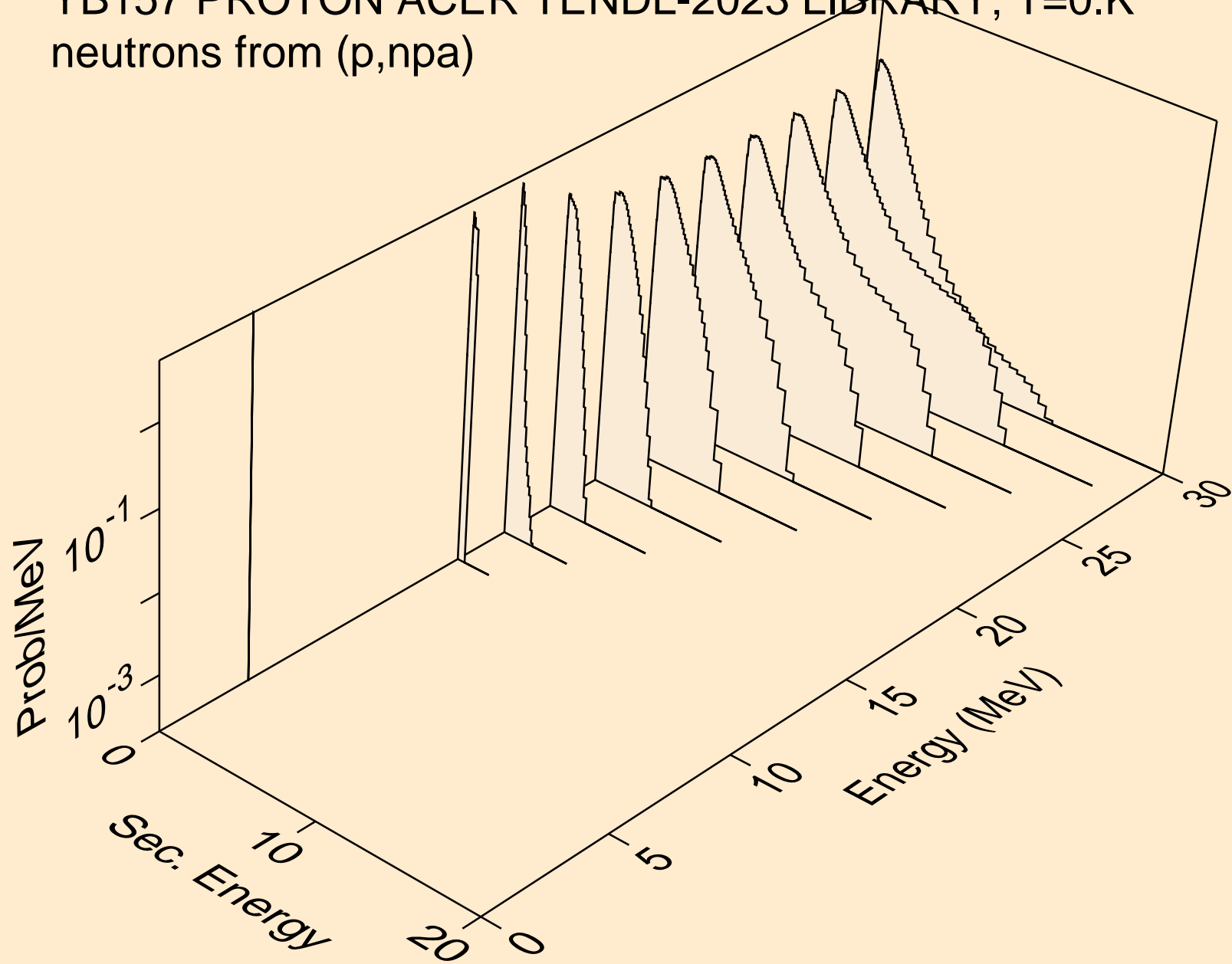
YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2np)



YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
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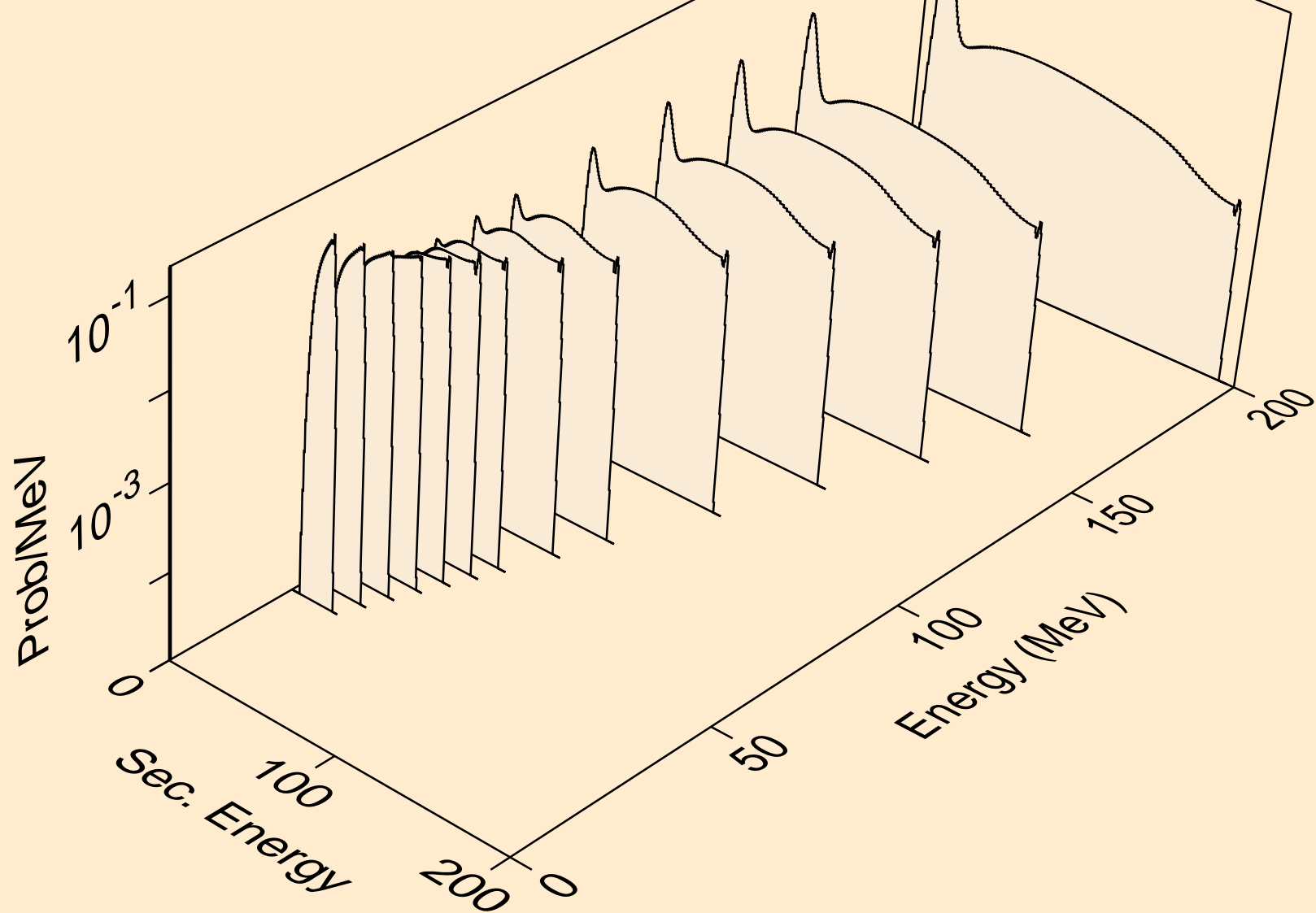


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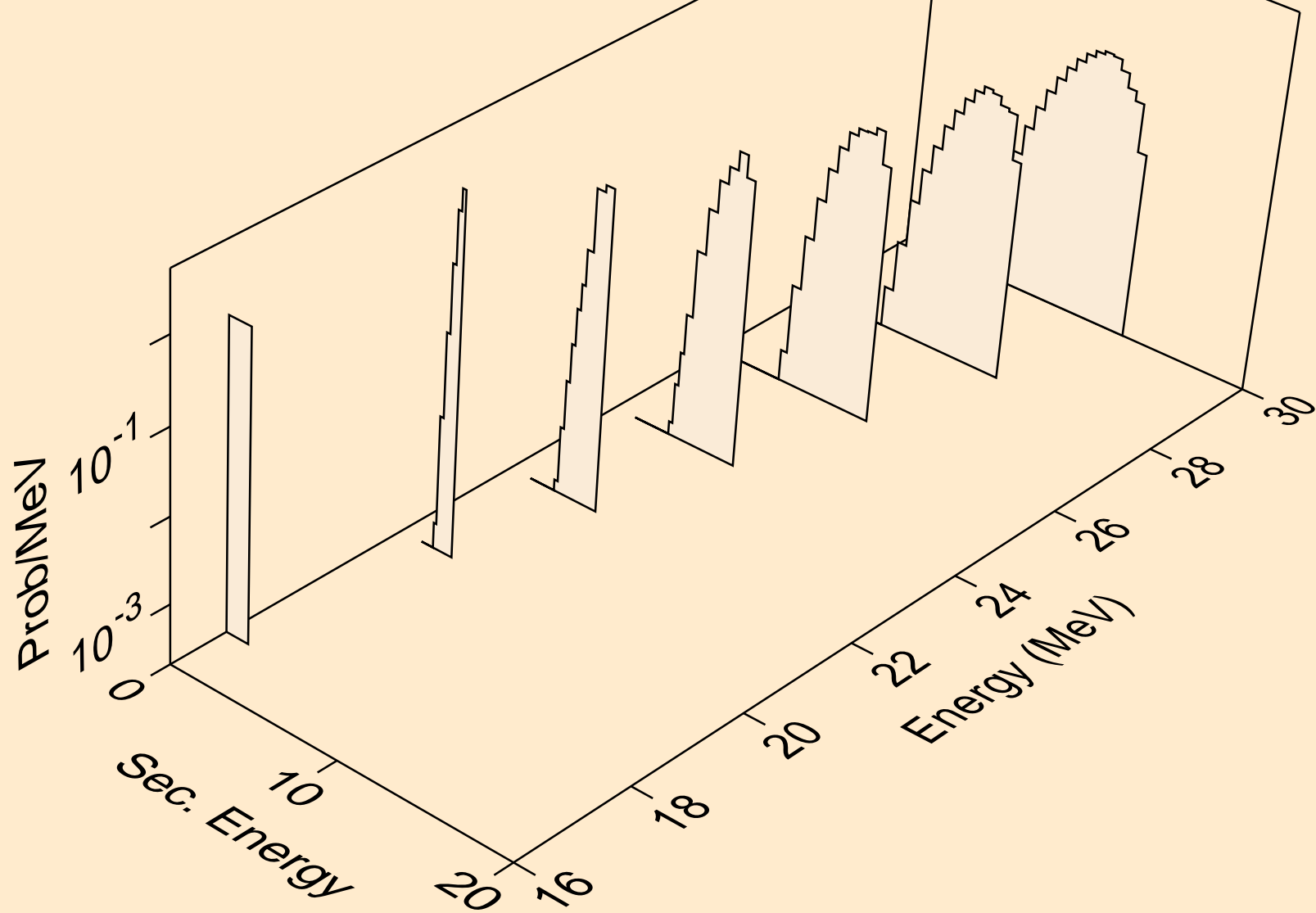




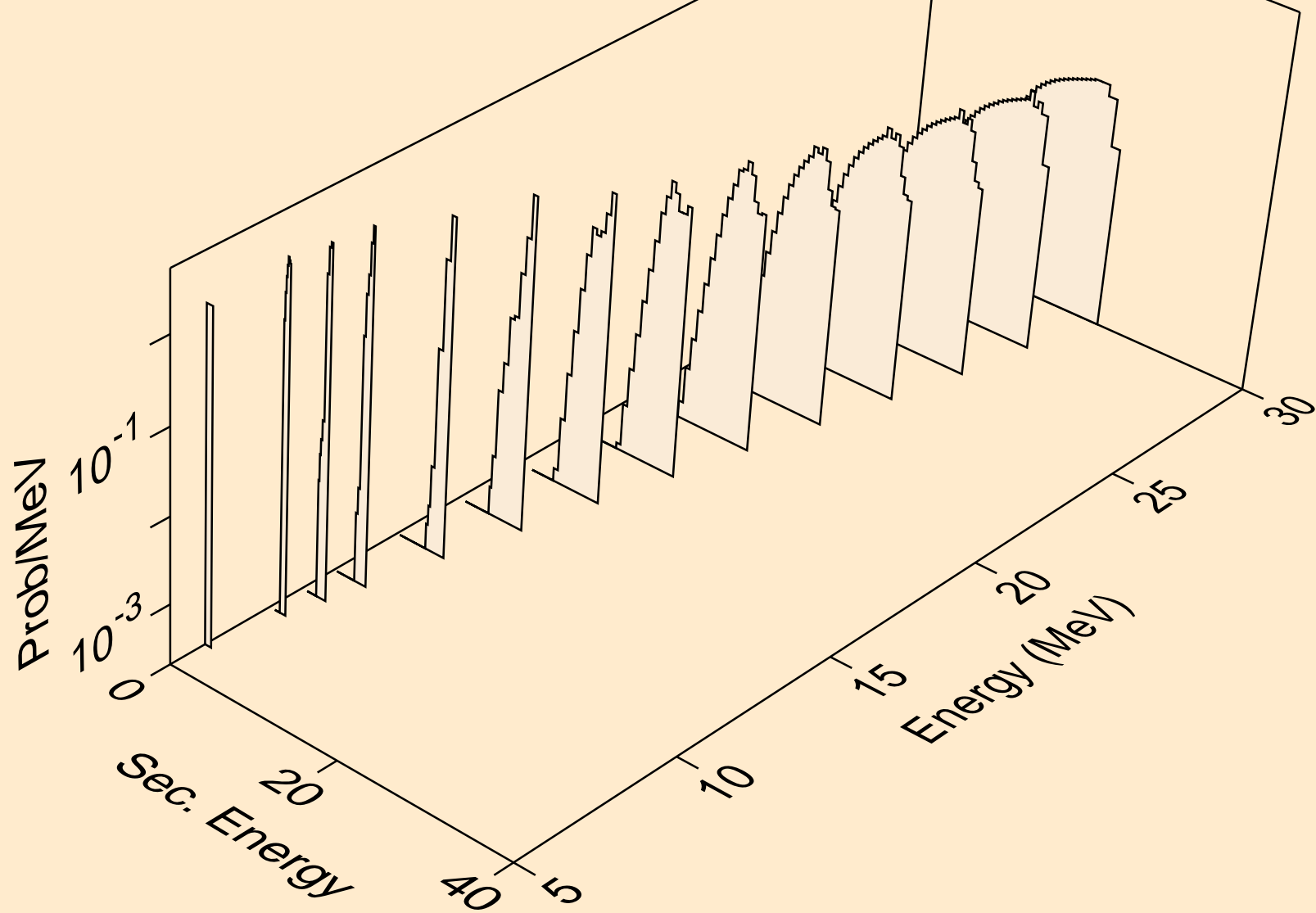
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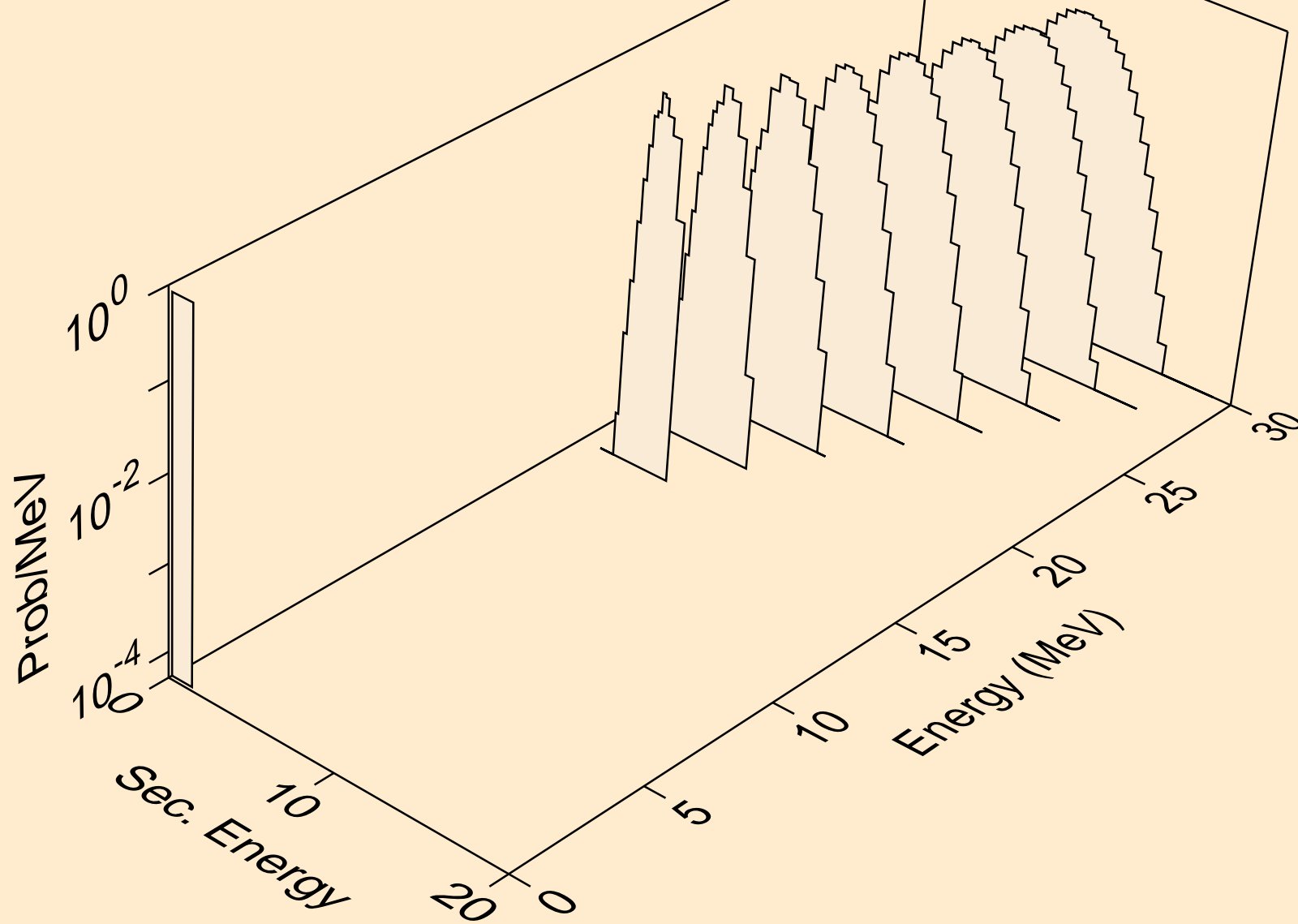
YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,n\*)d



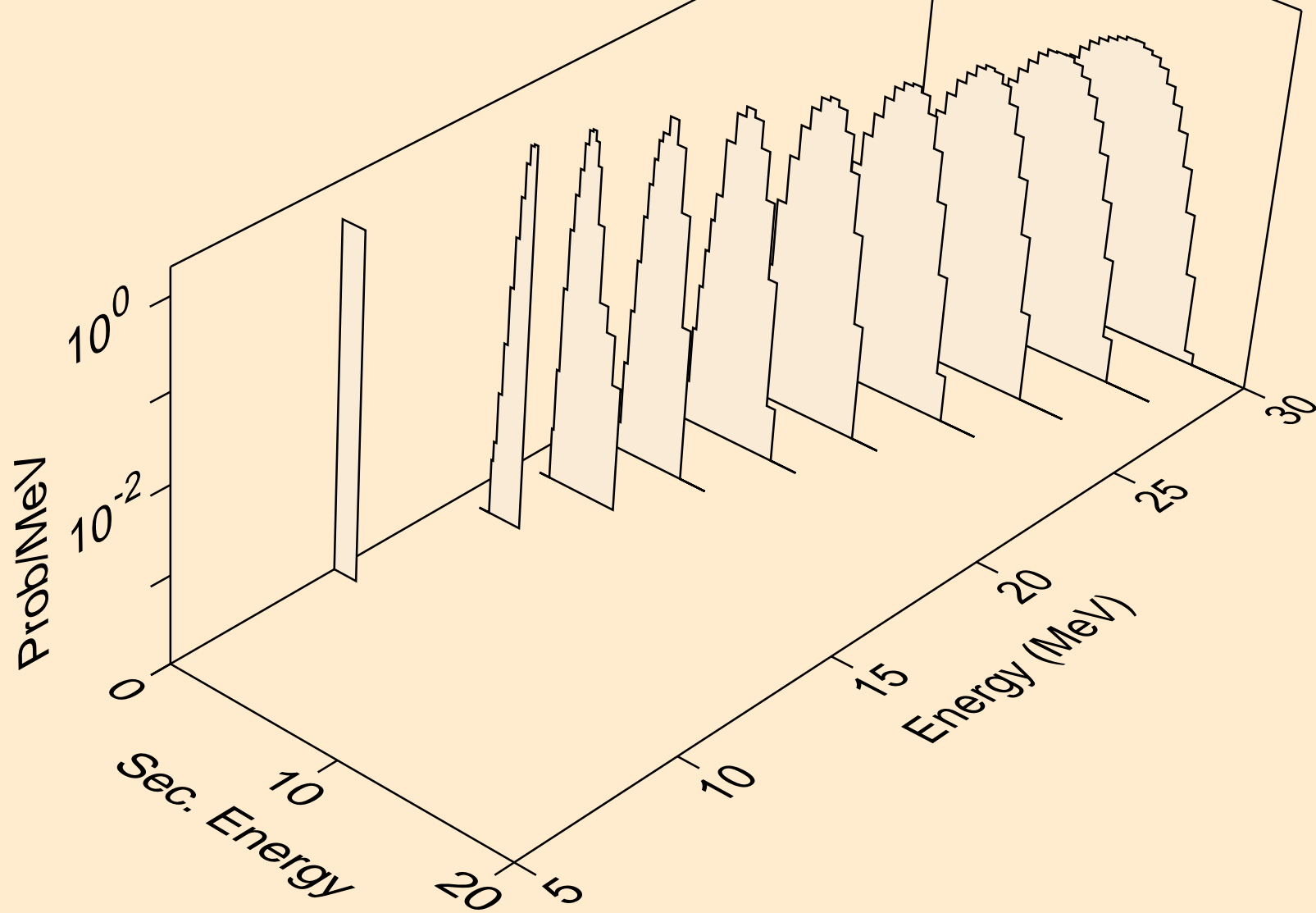
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deuterons from (p,d)



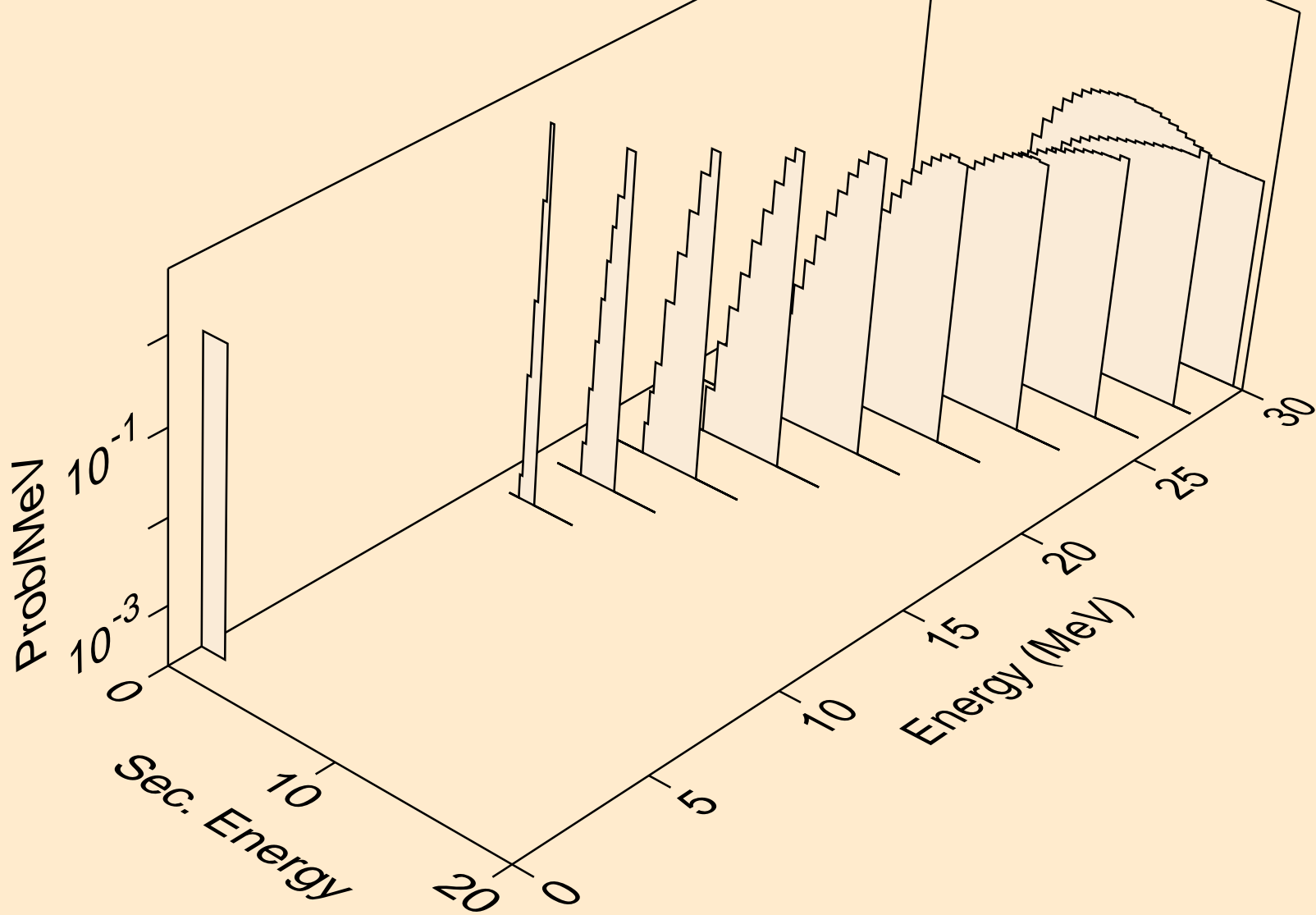
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deuterons from (p,d2a)



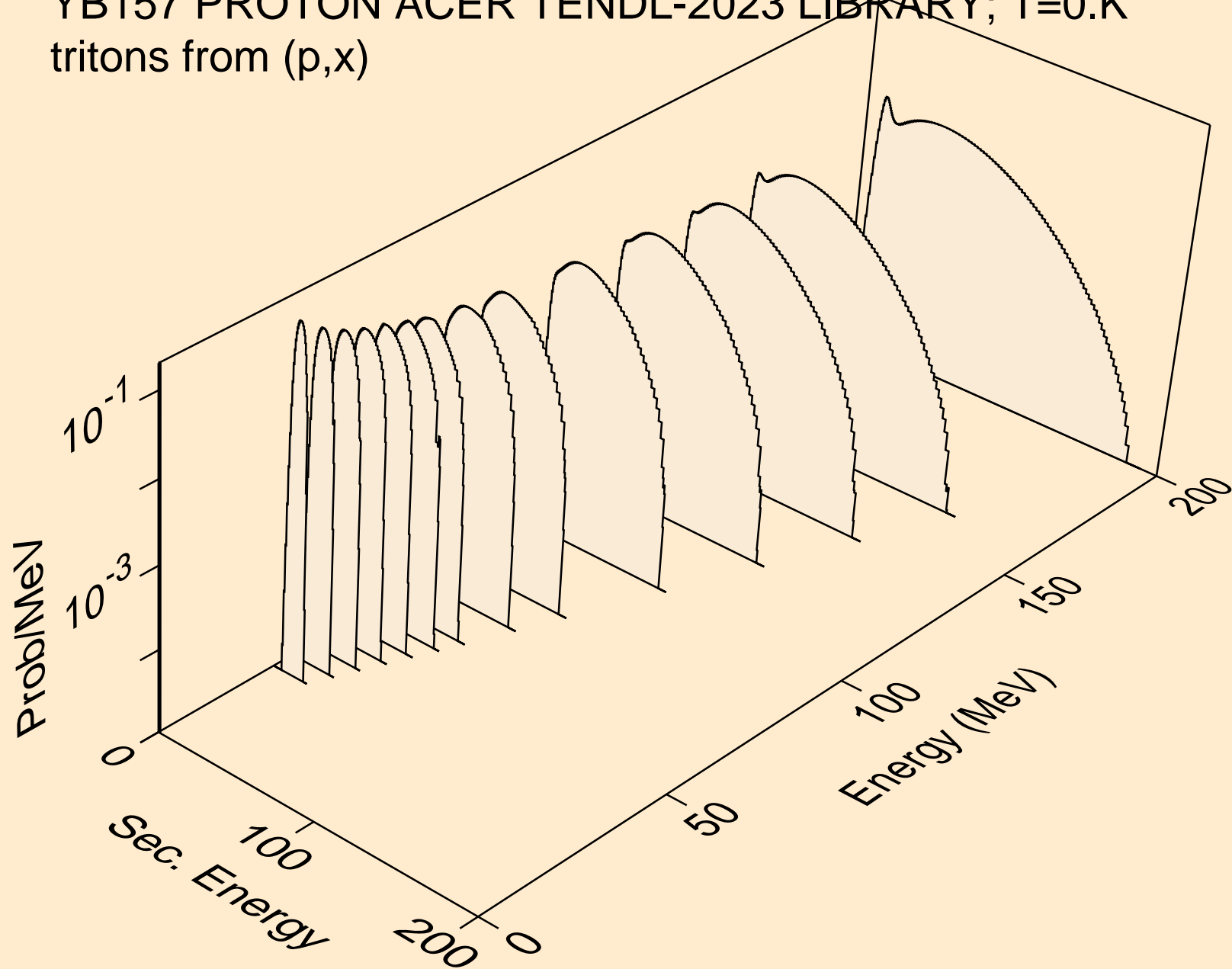
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deuterons from (p,pd)



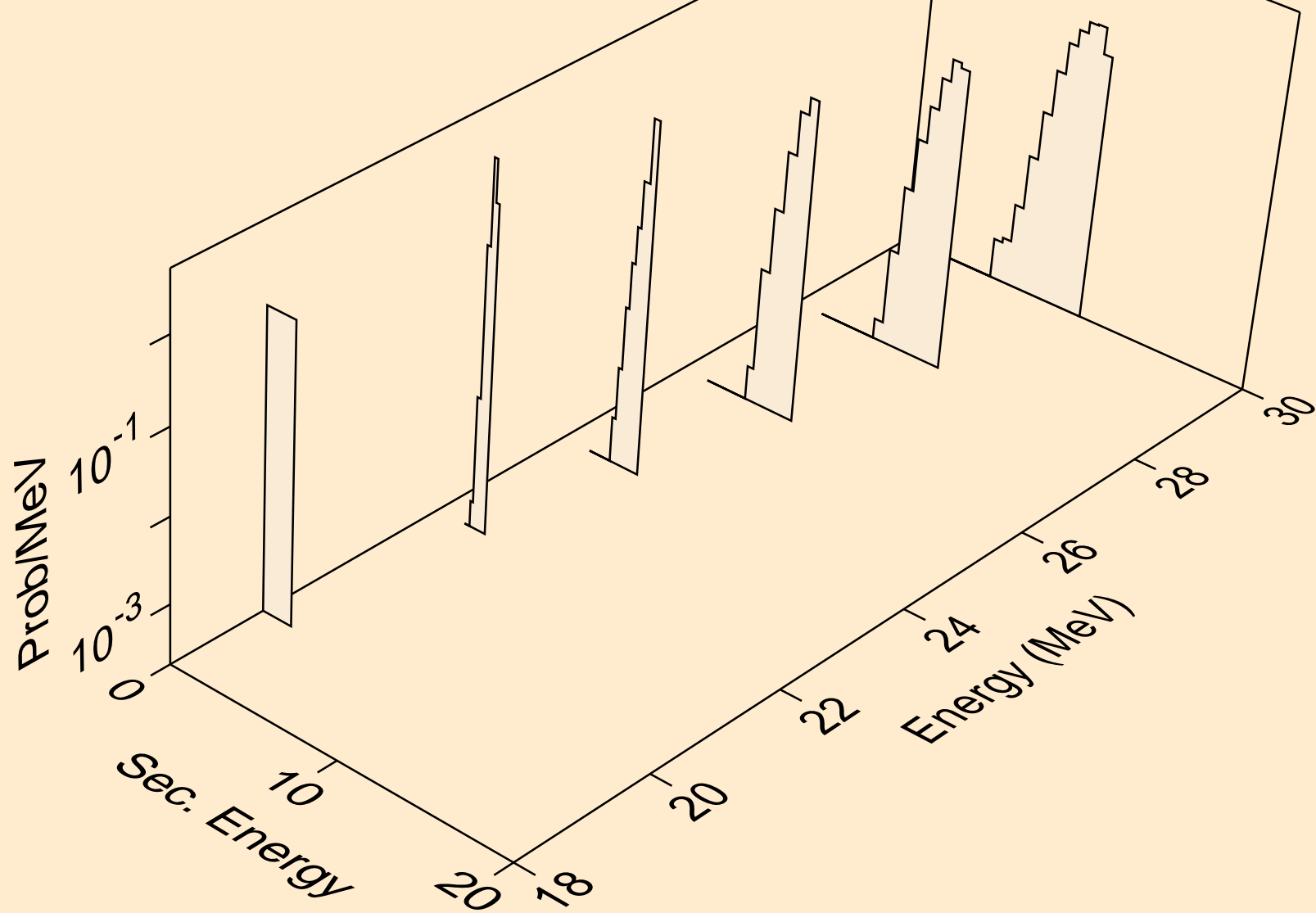
YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,da)



YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,x)

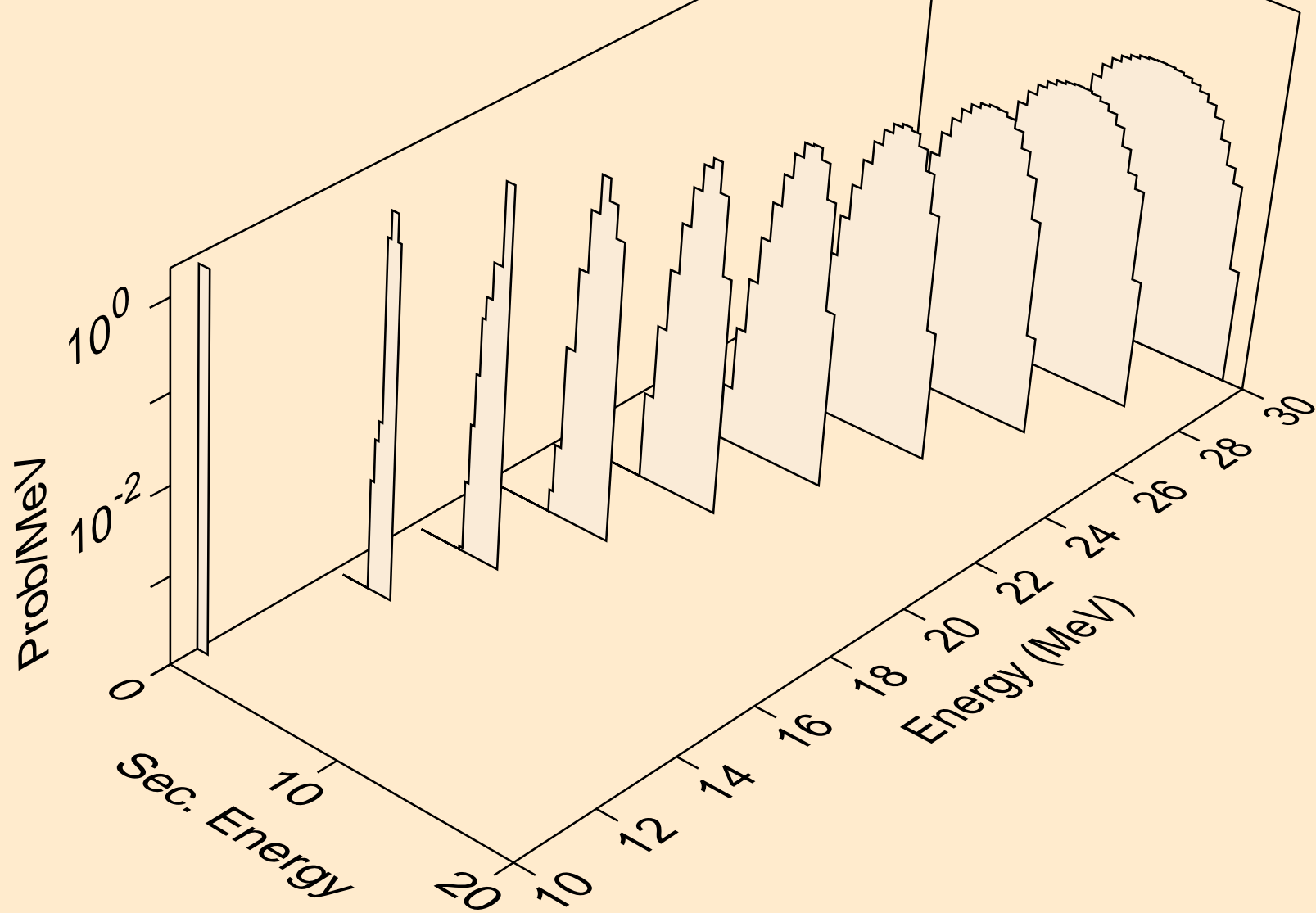


YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,n\*)t

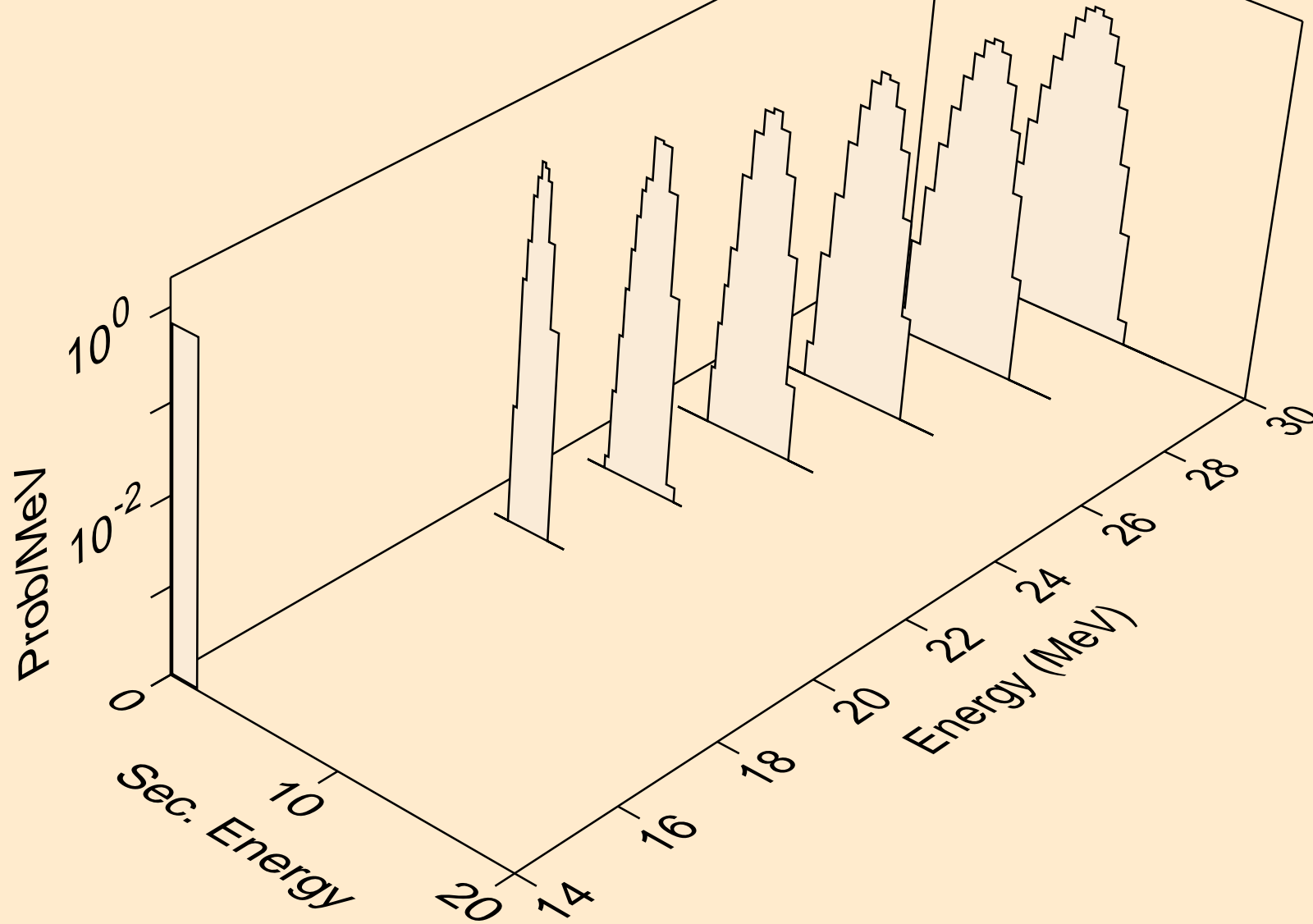




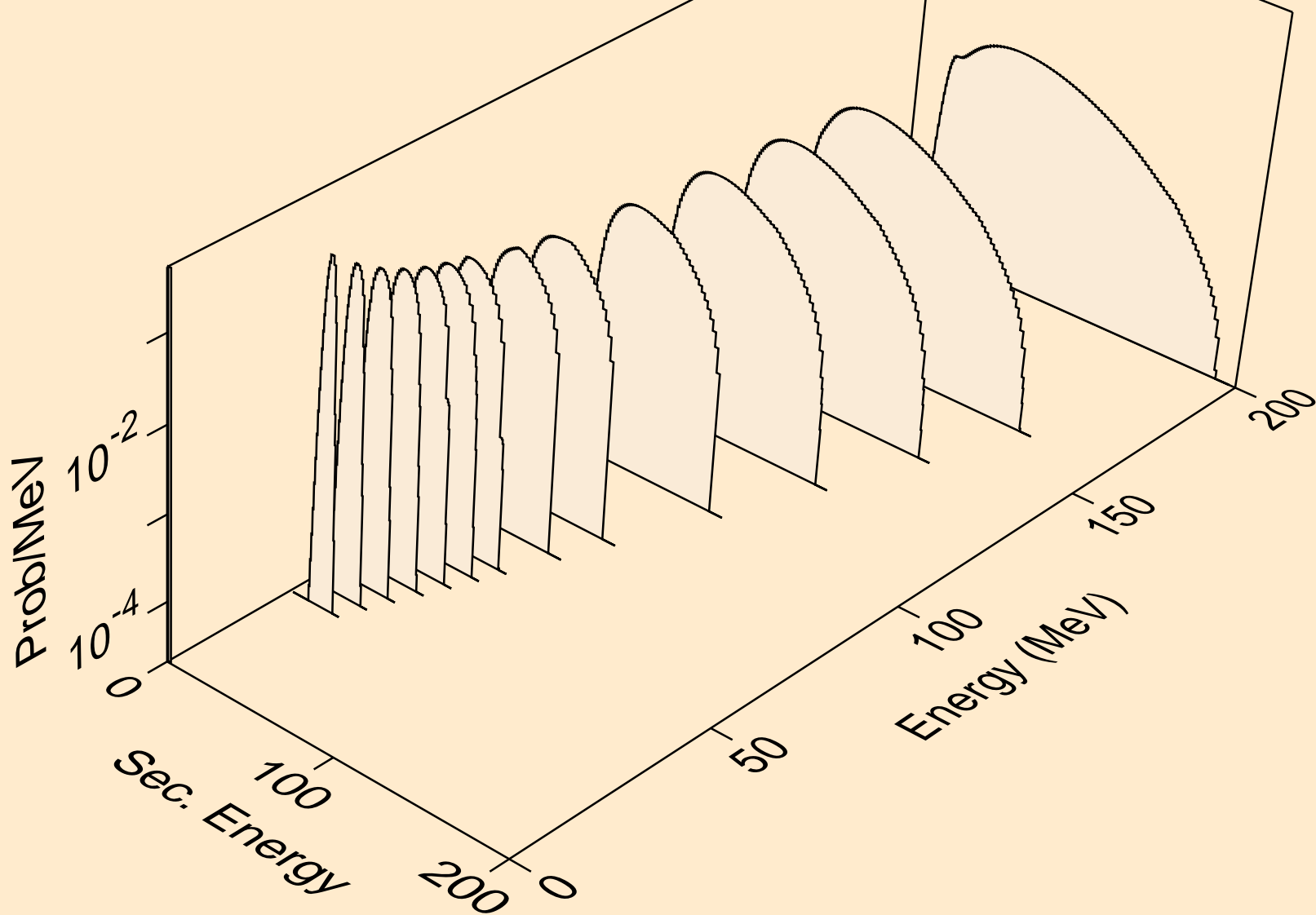
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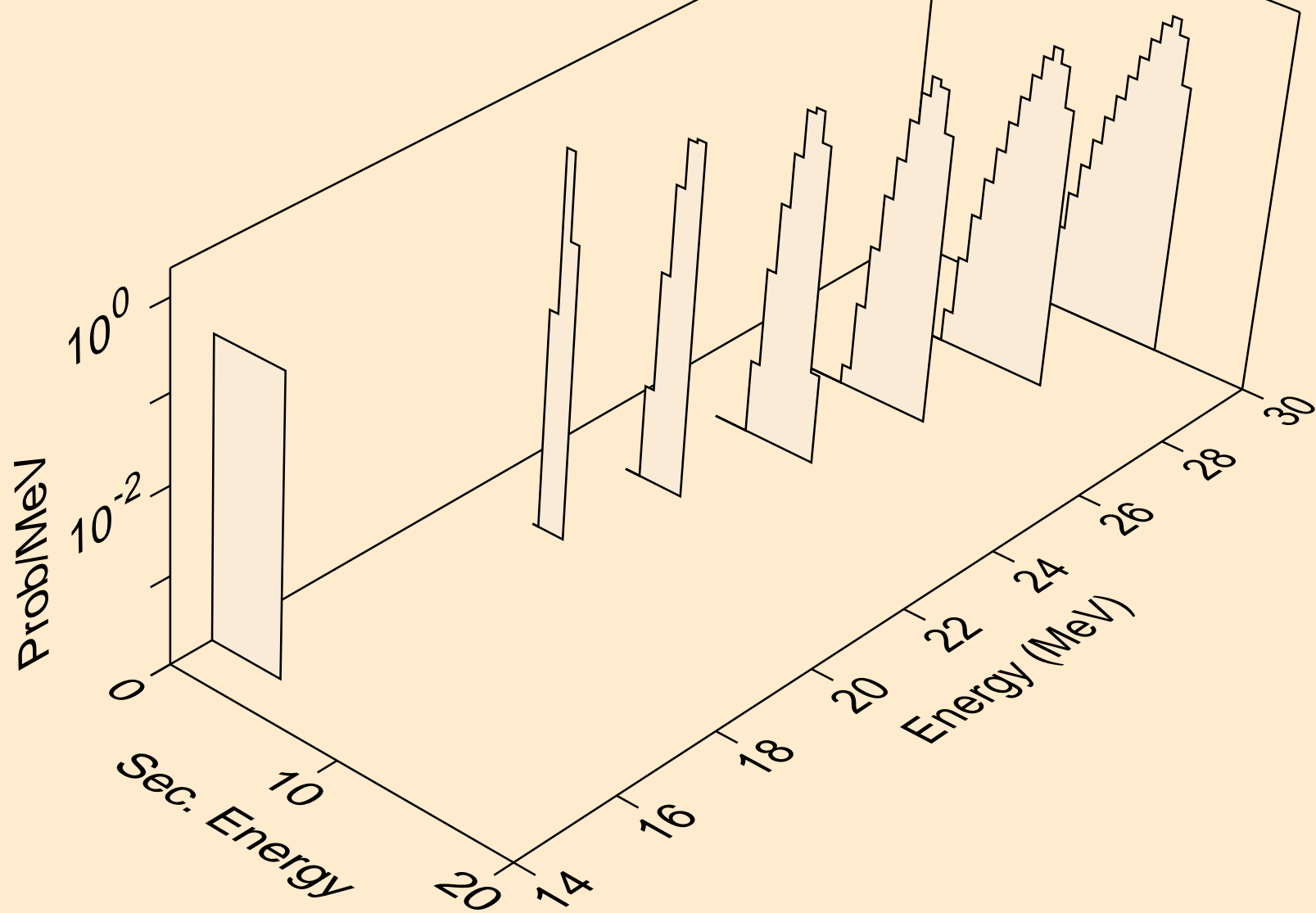
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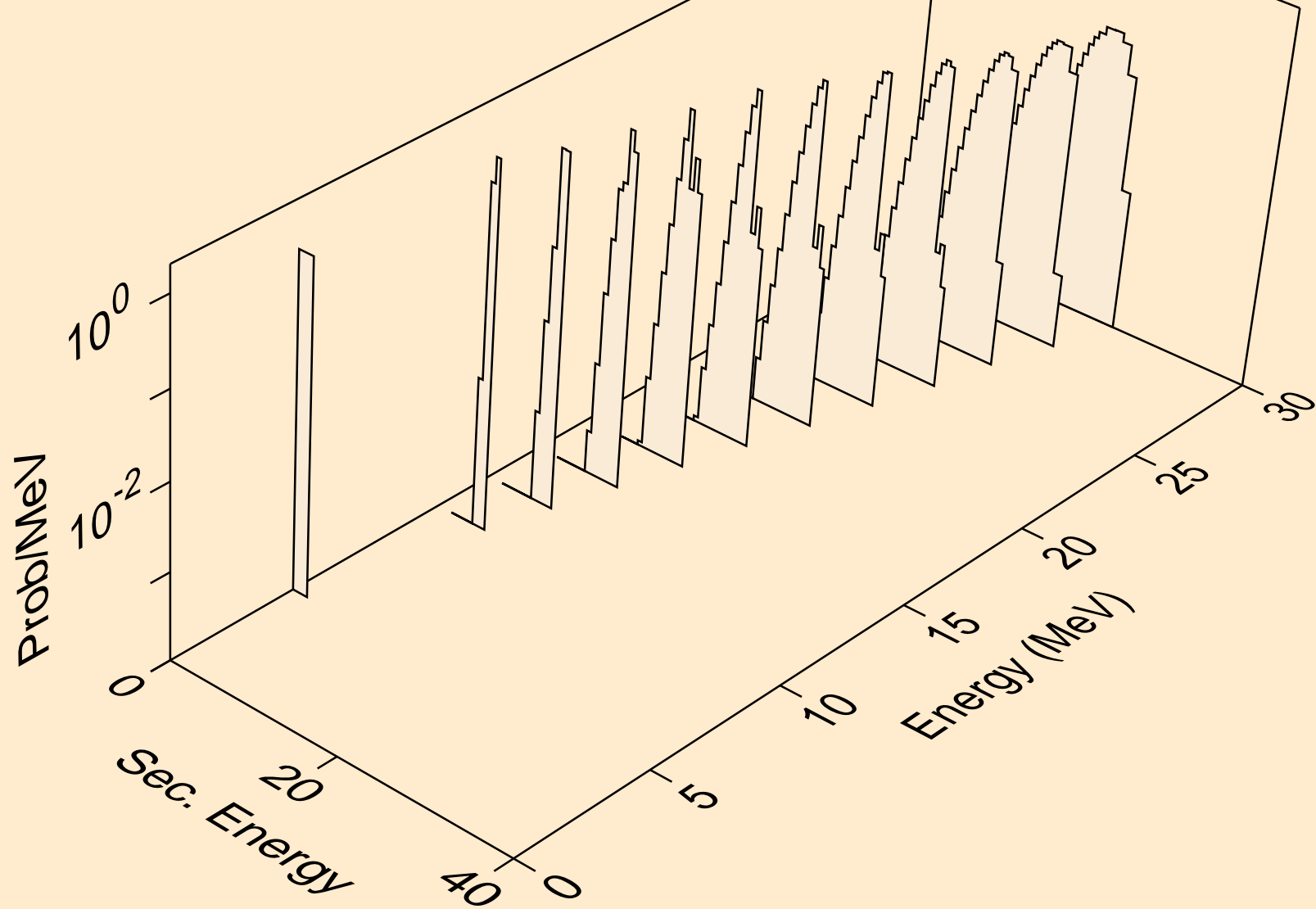
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he3s from (p,x)



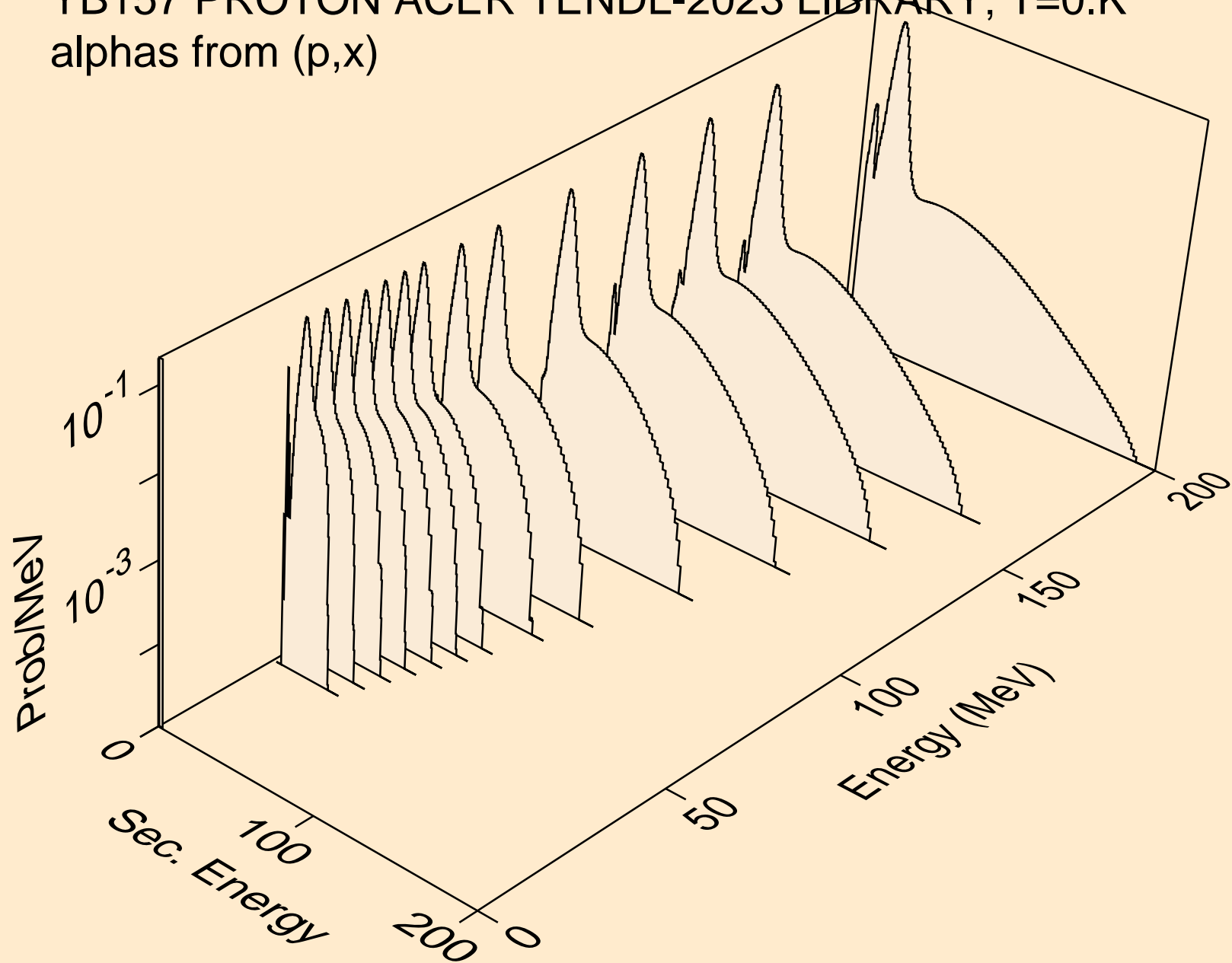
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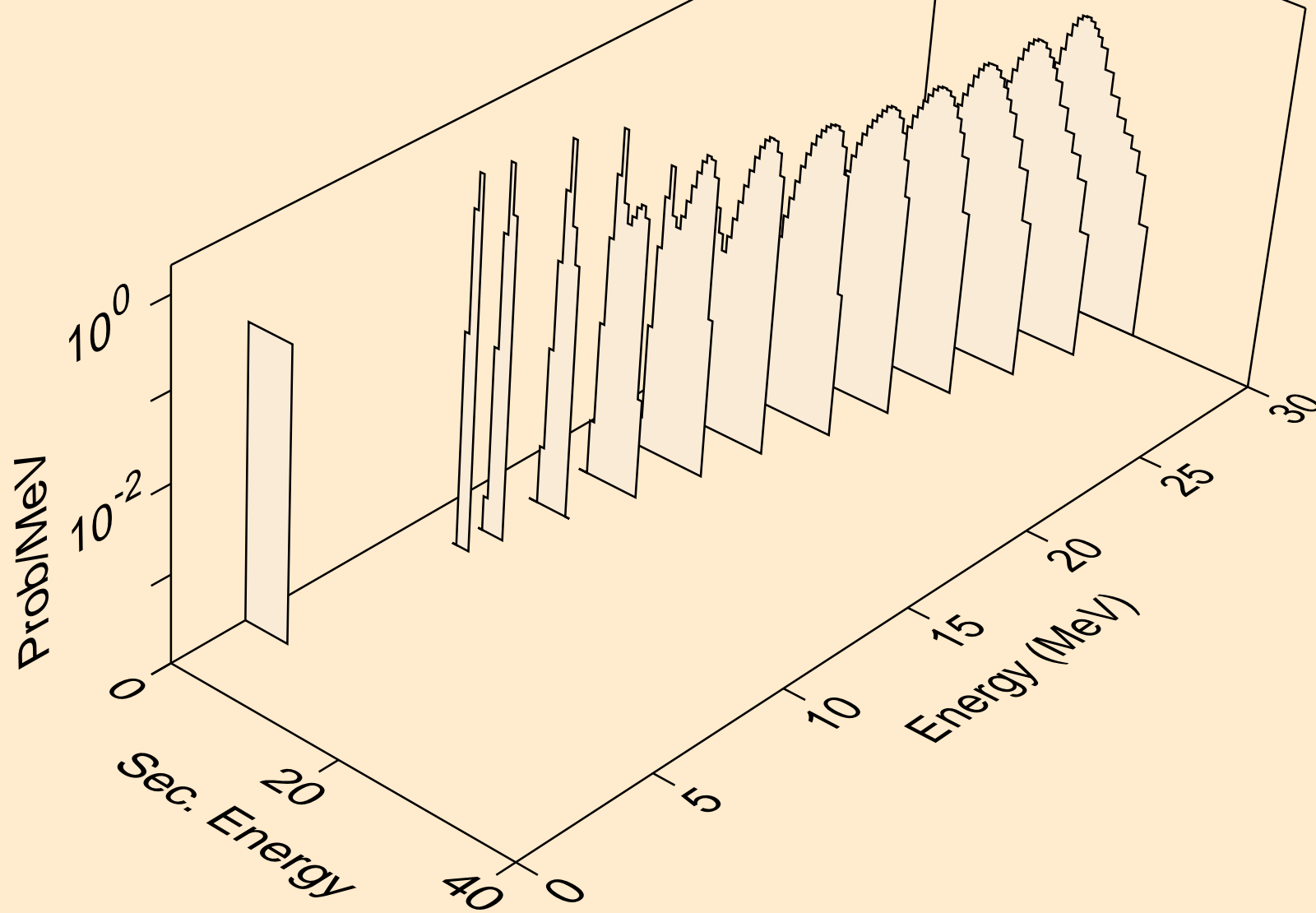
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he3s from (p,he3)



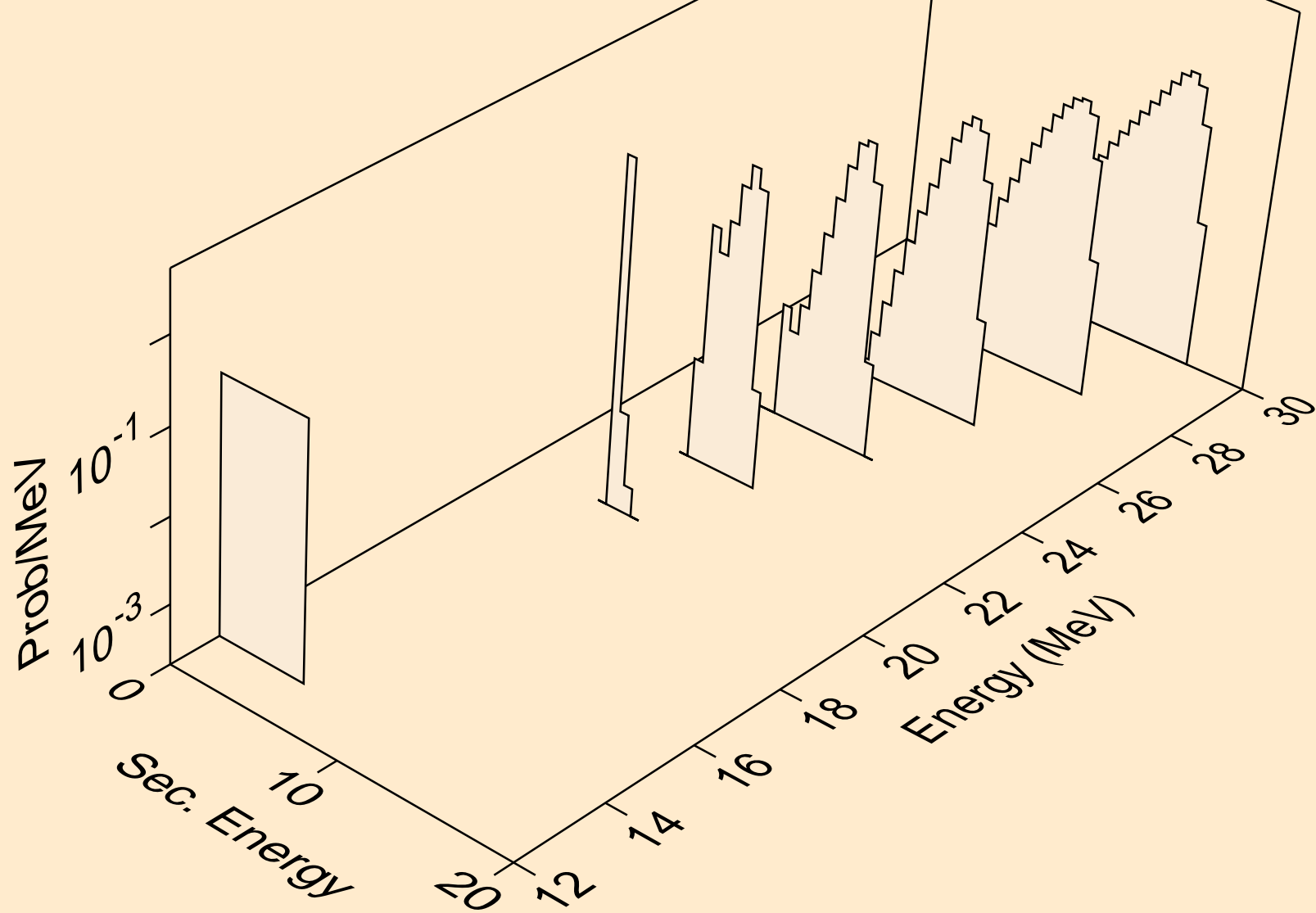
YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)



YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a

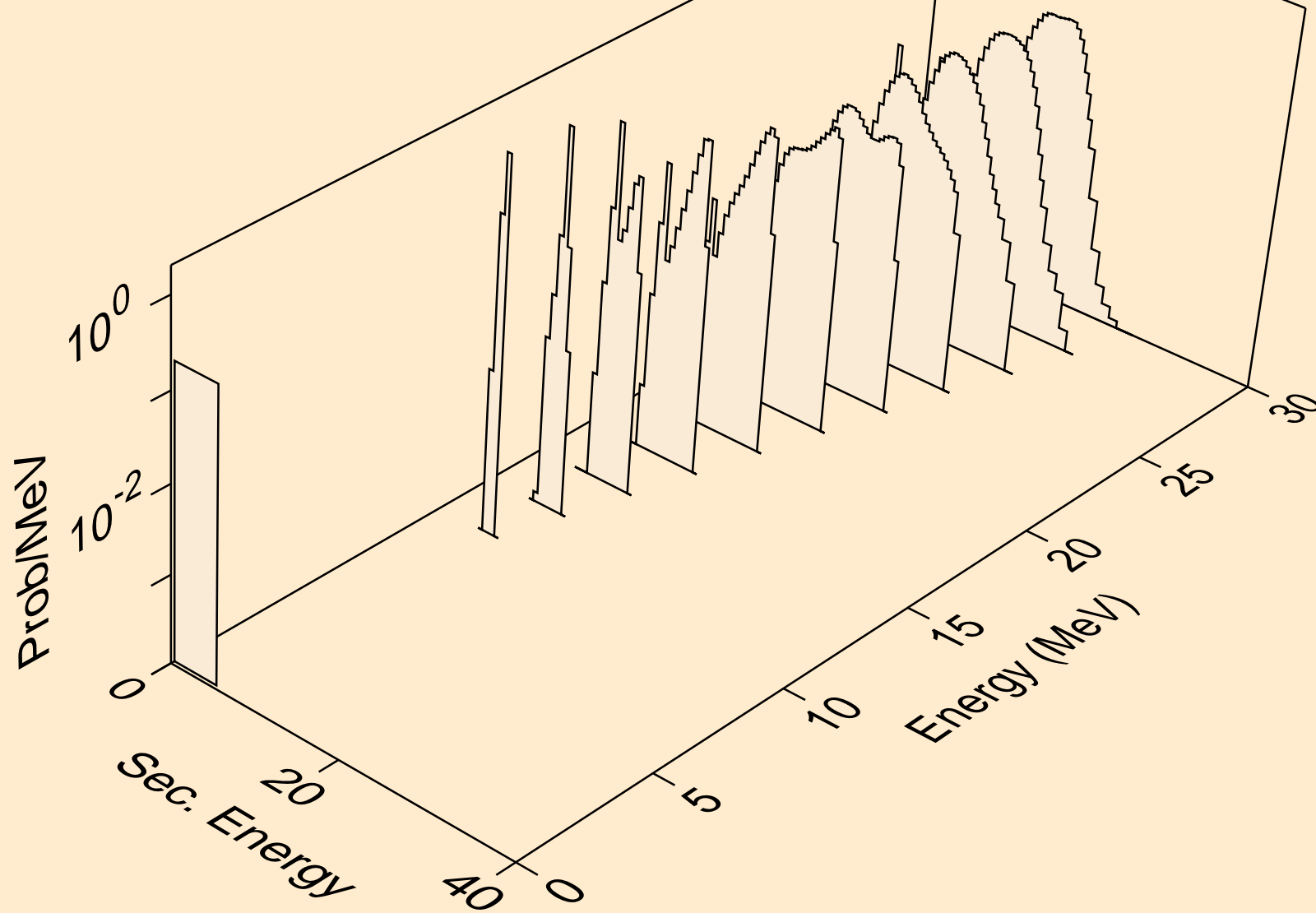


YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)a

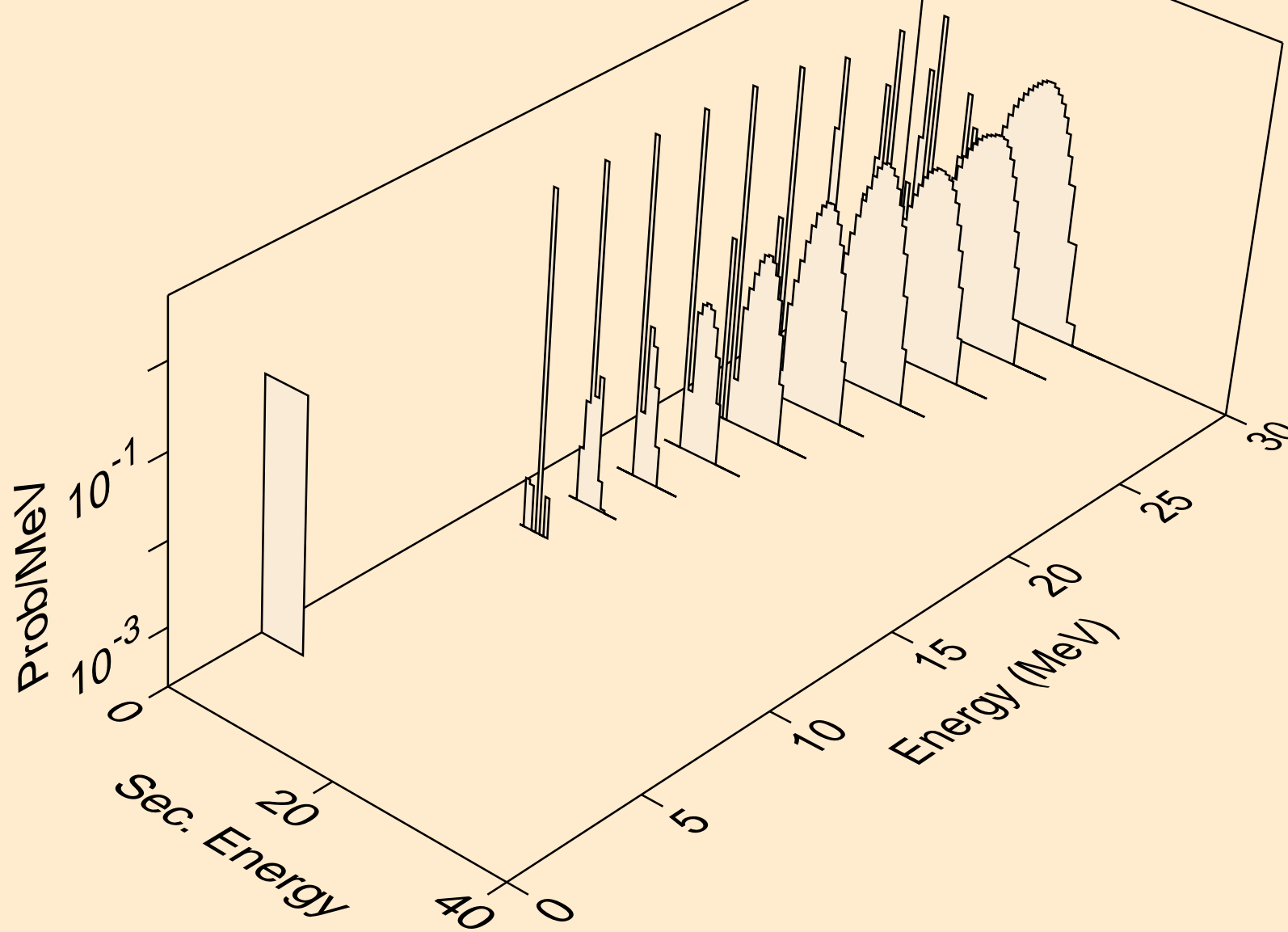




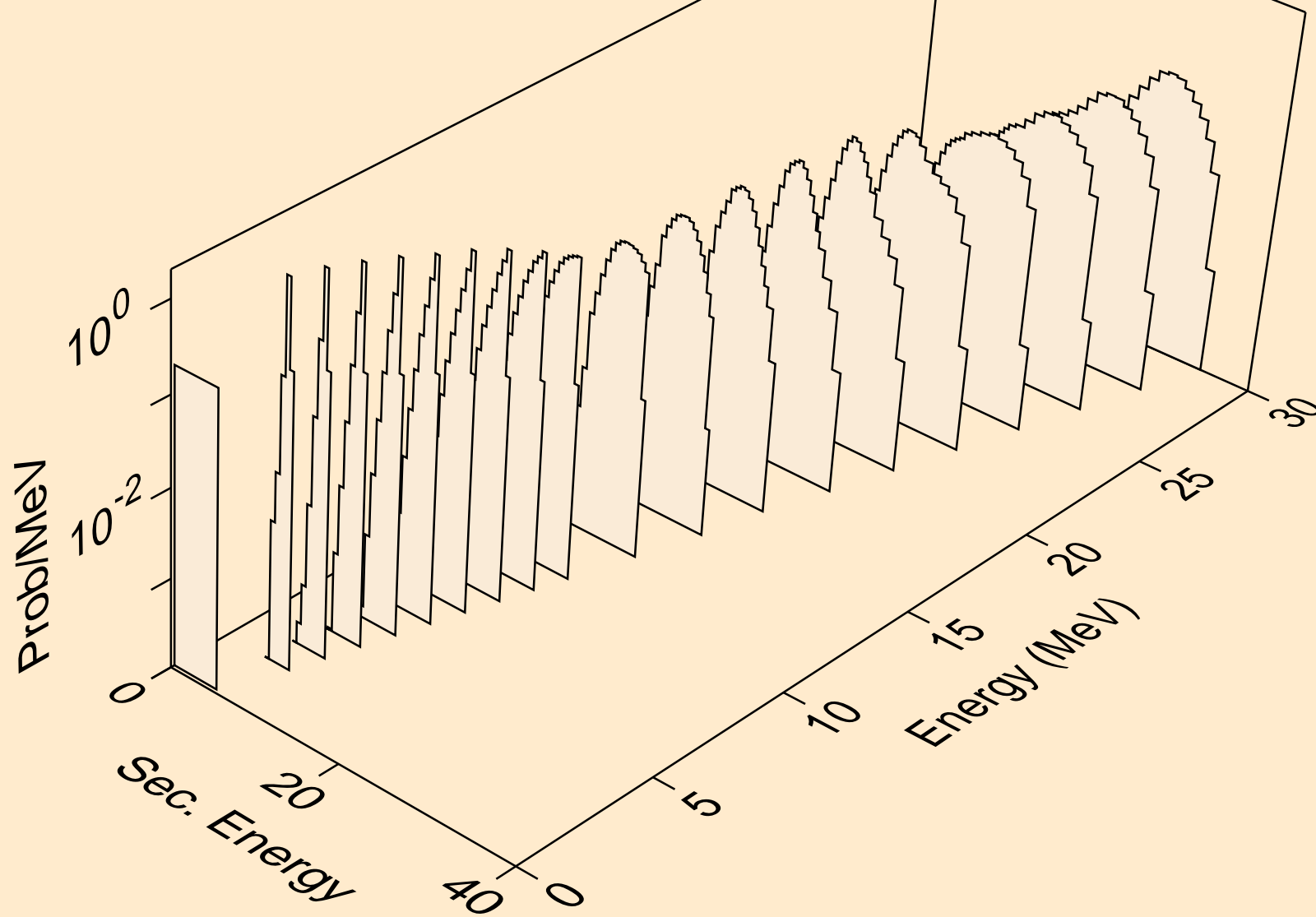
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alphas from (p,n\*)2a



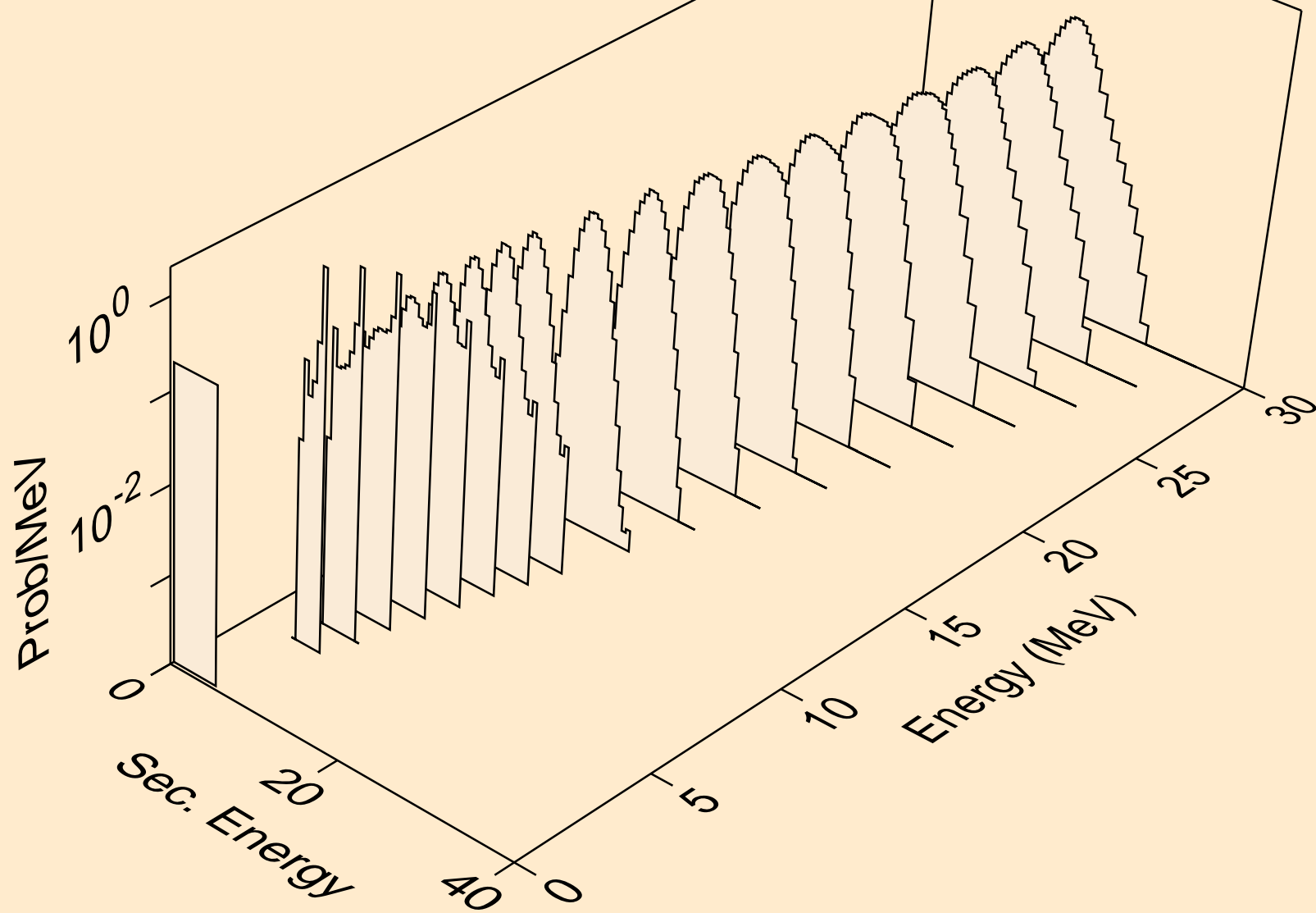
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alphas from (p,npa)



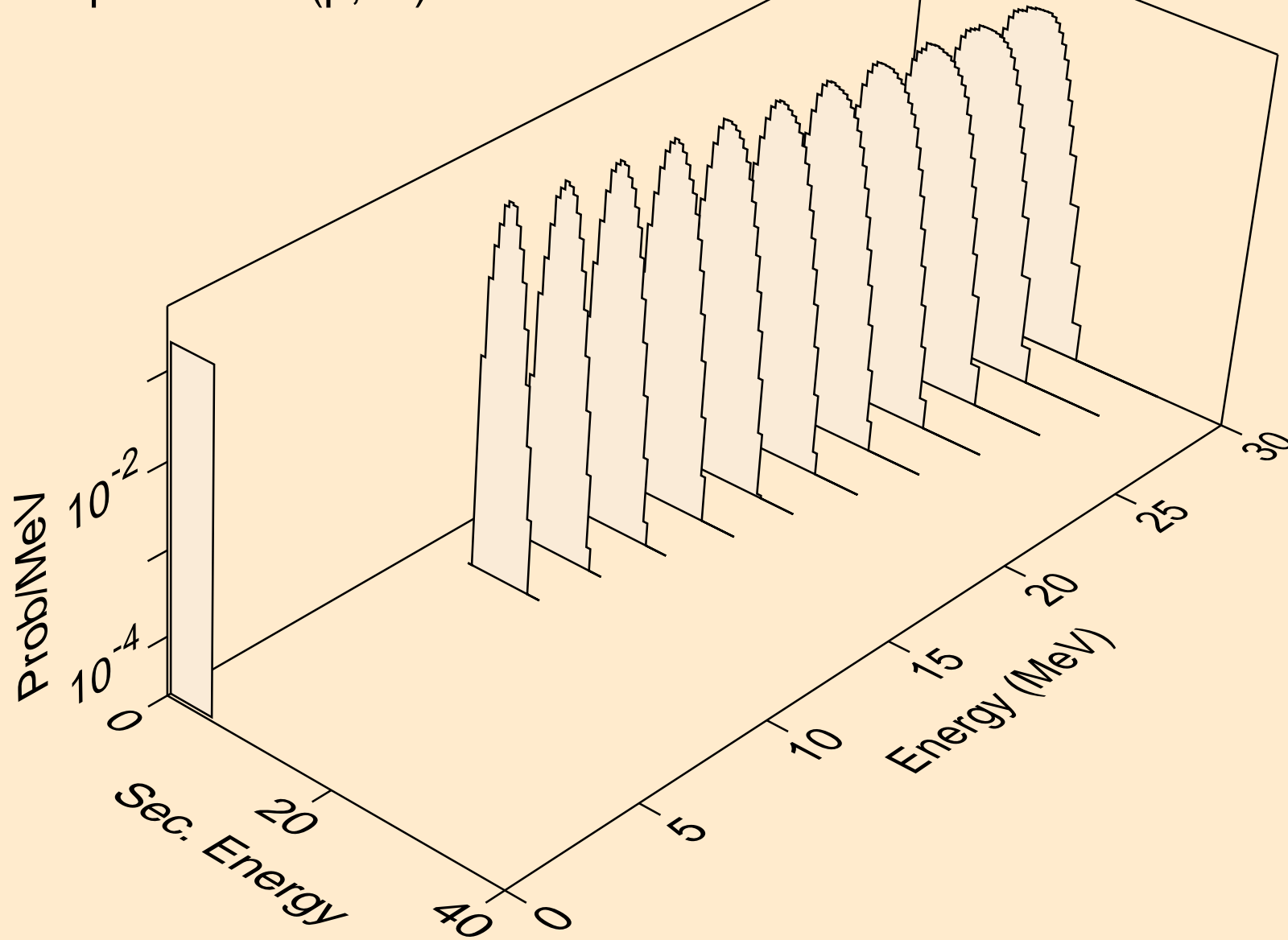
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alphas from (p,a)



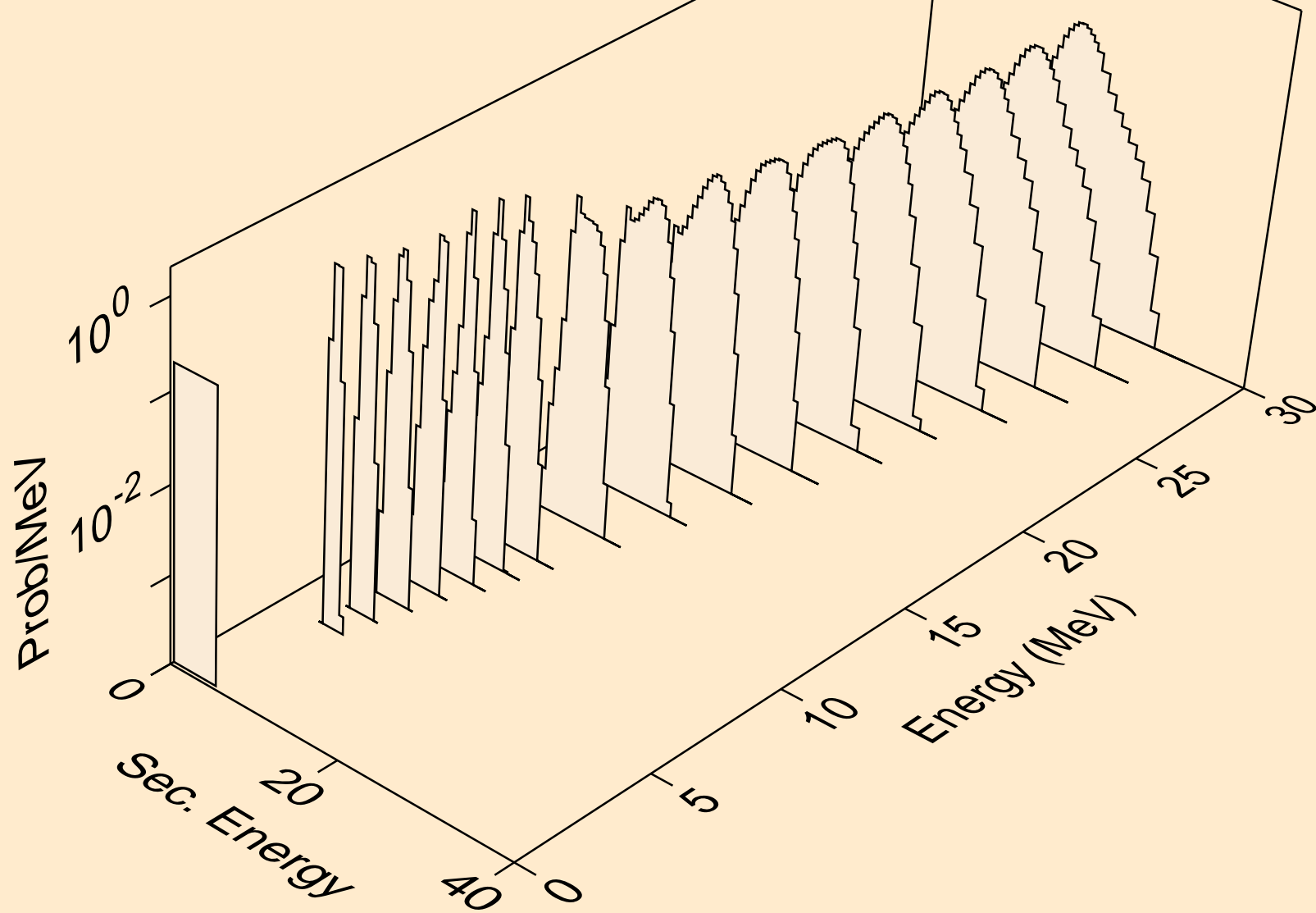
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alphas from (p,2a)



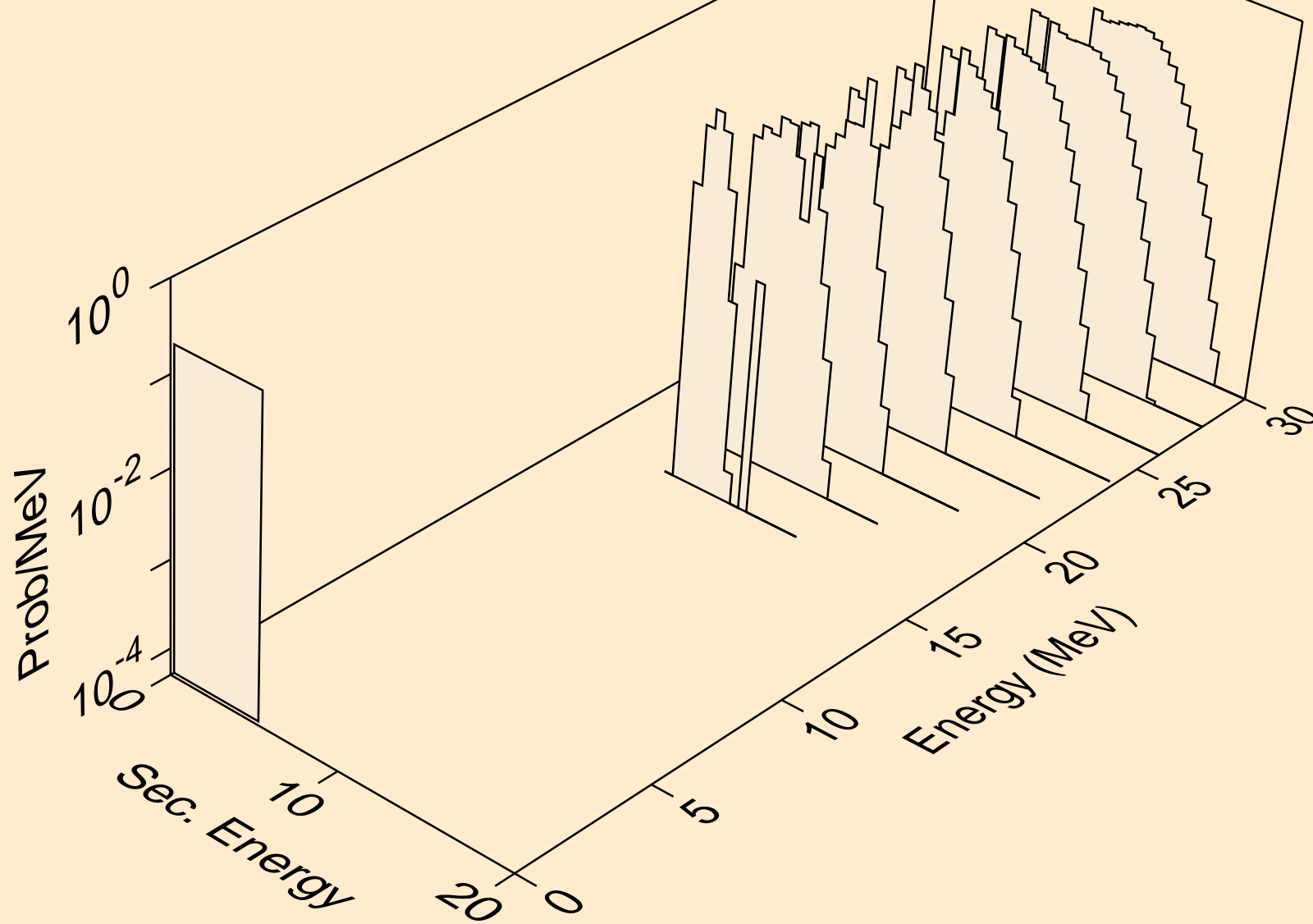
YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,3a)



YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,pa)



YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,d2a)



YB157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,da)

