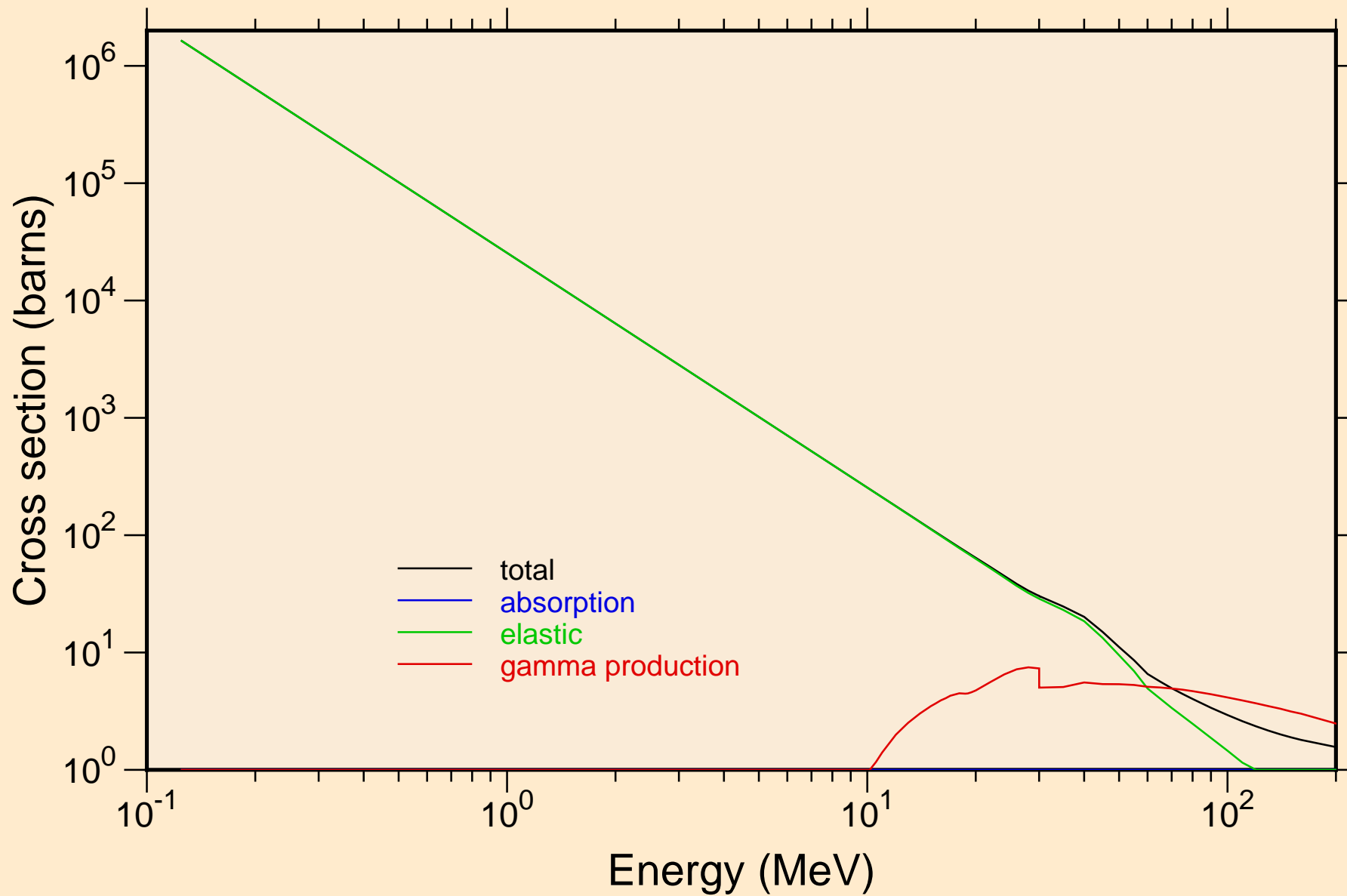
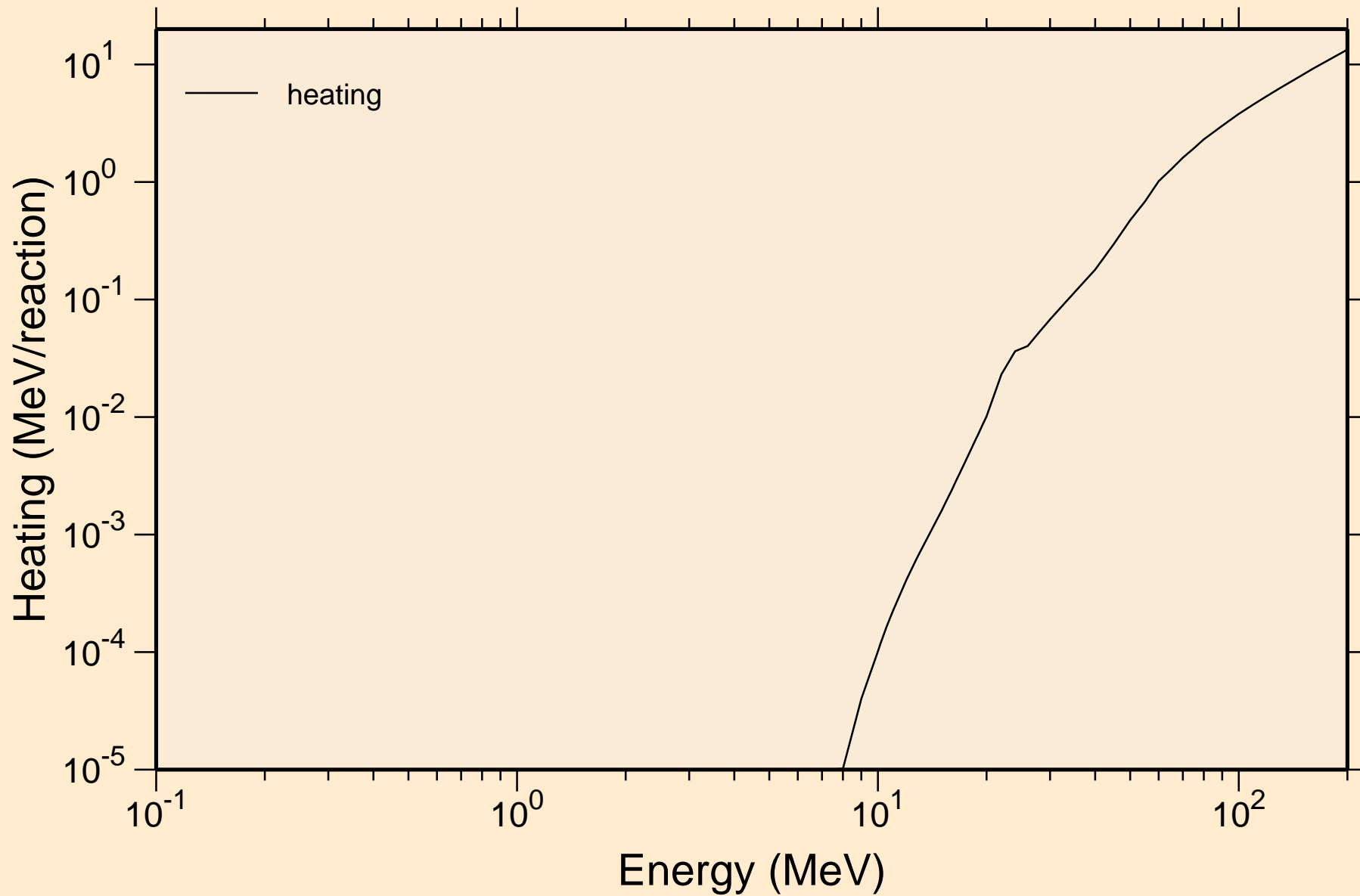


# GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

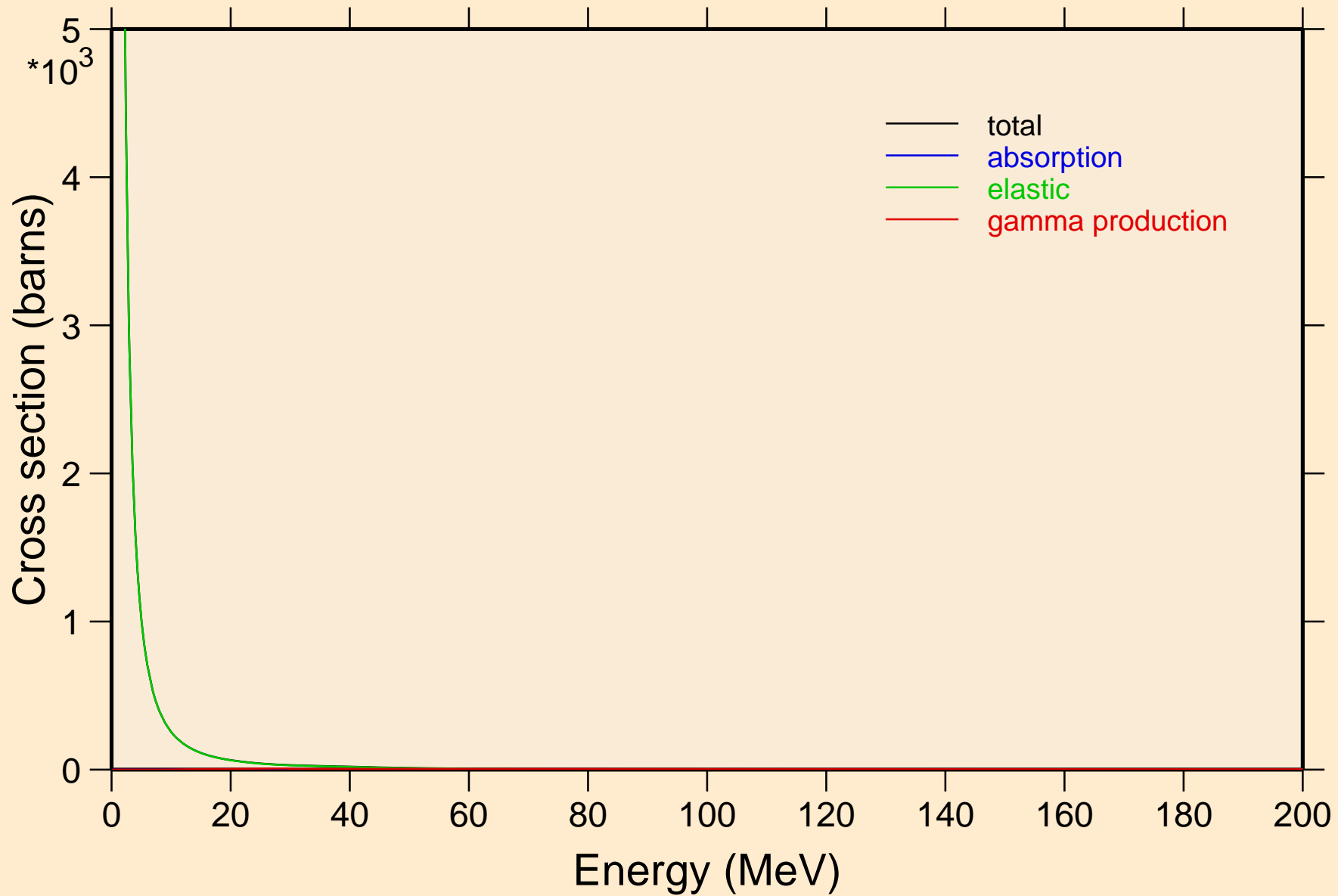


GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



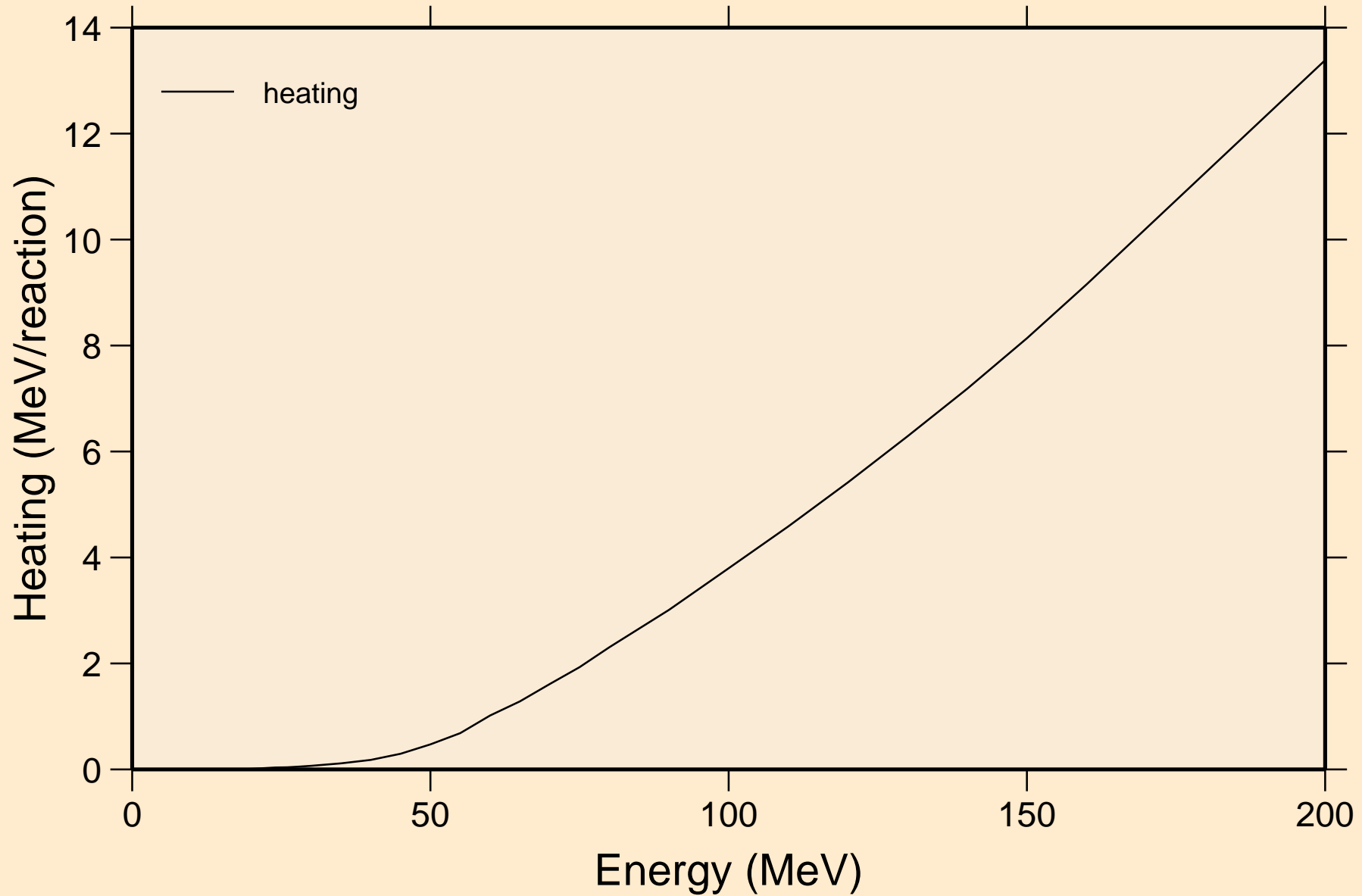
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## Principal cross sections



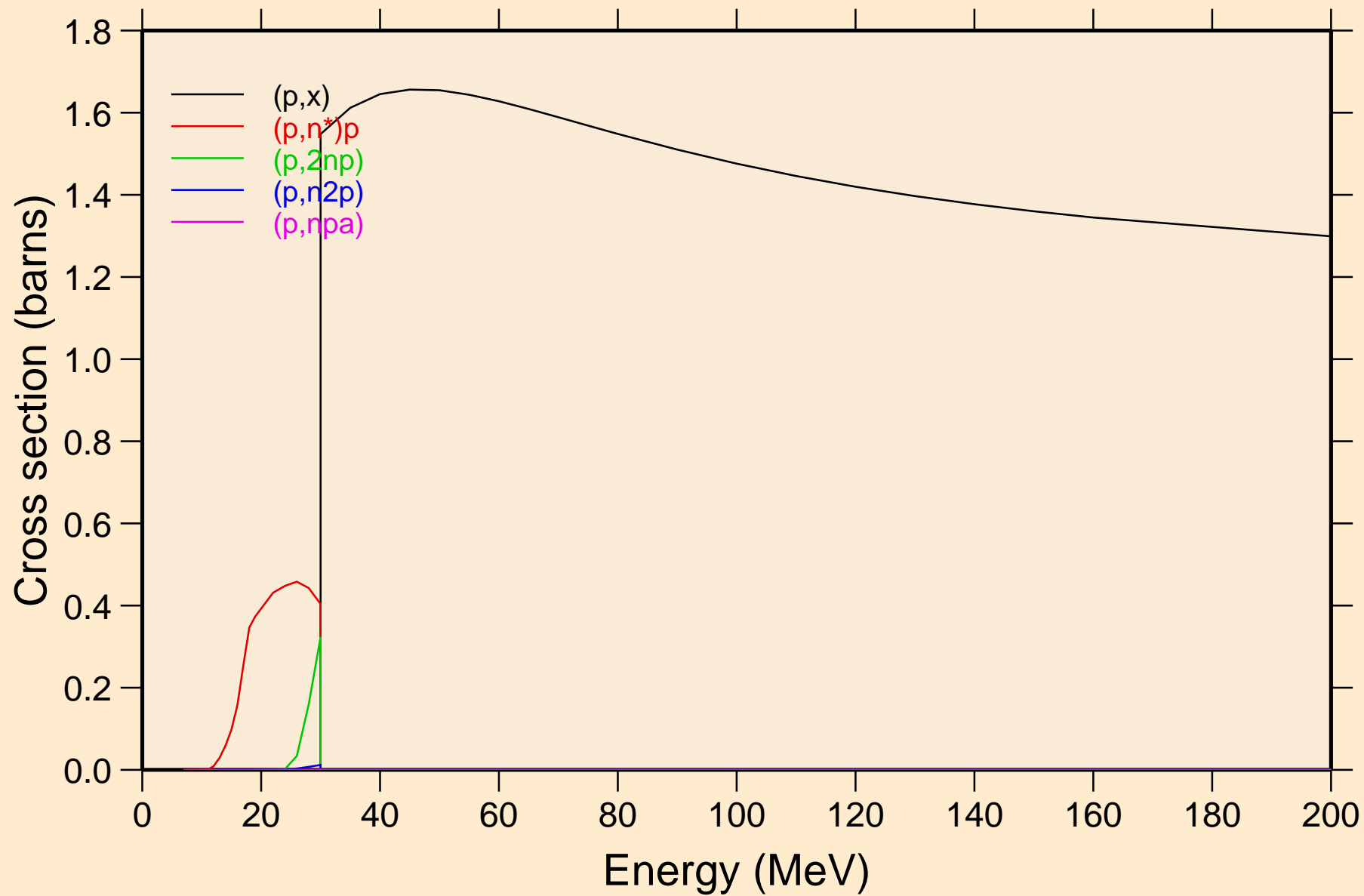
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## Heating



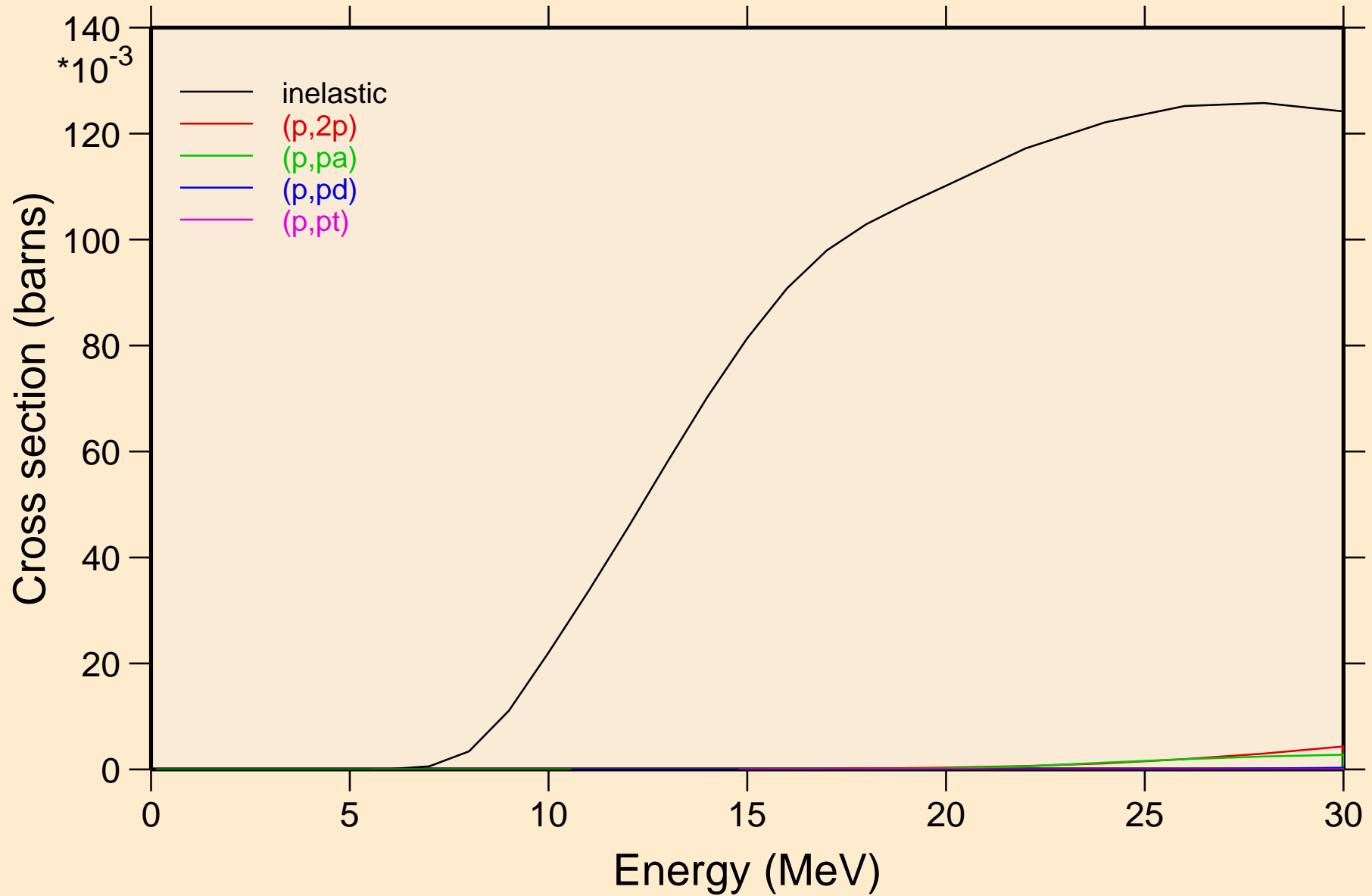
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## Threshold reactions

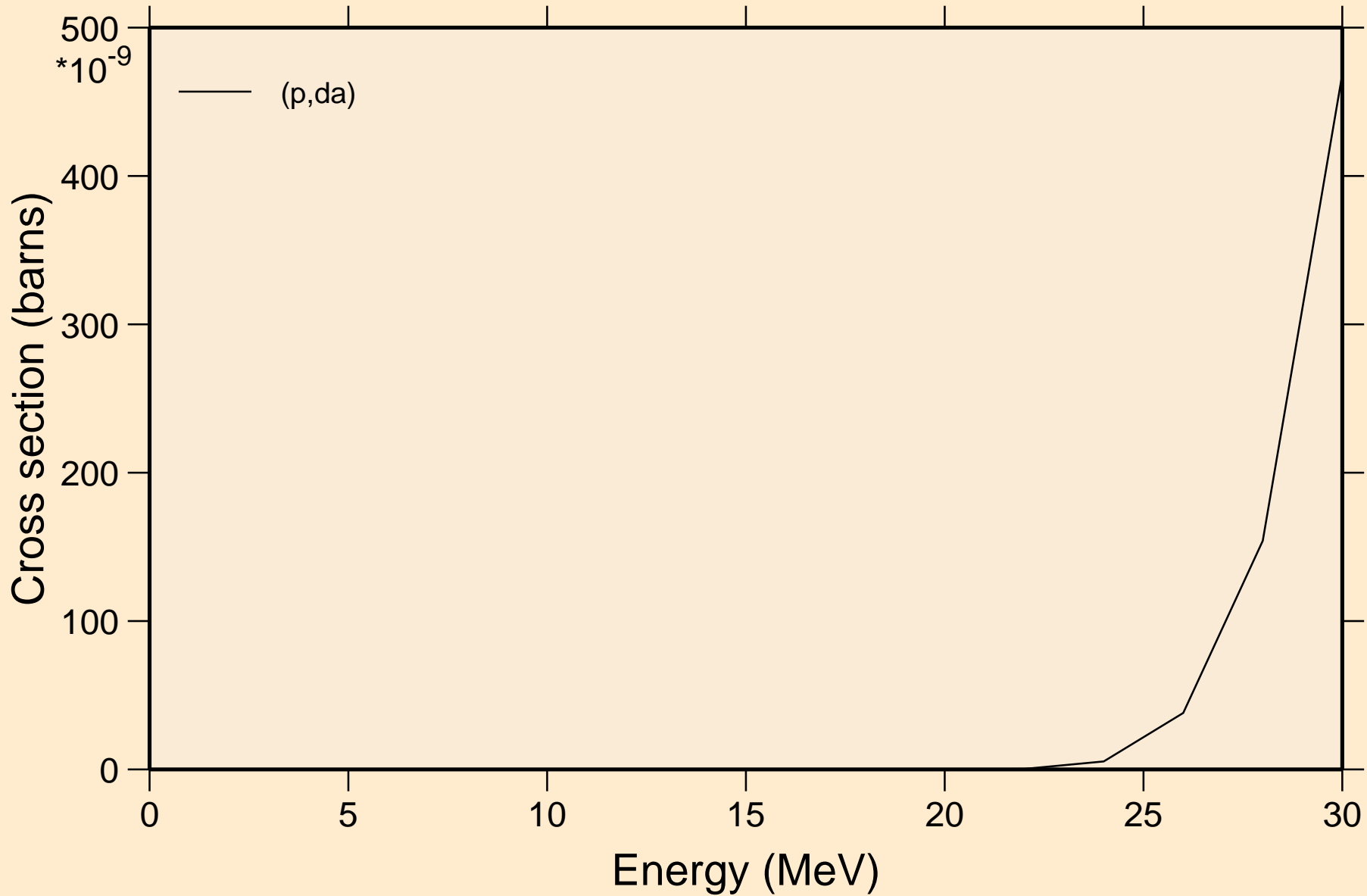


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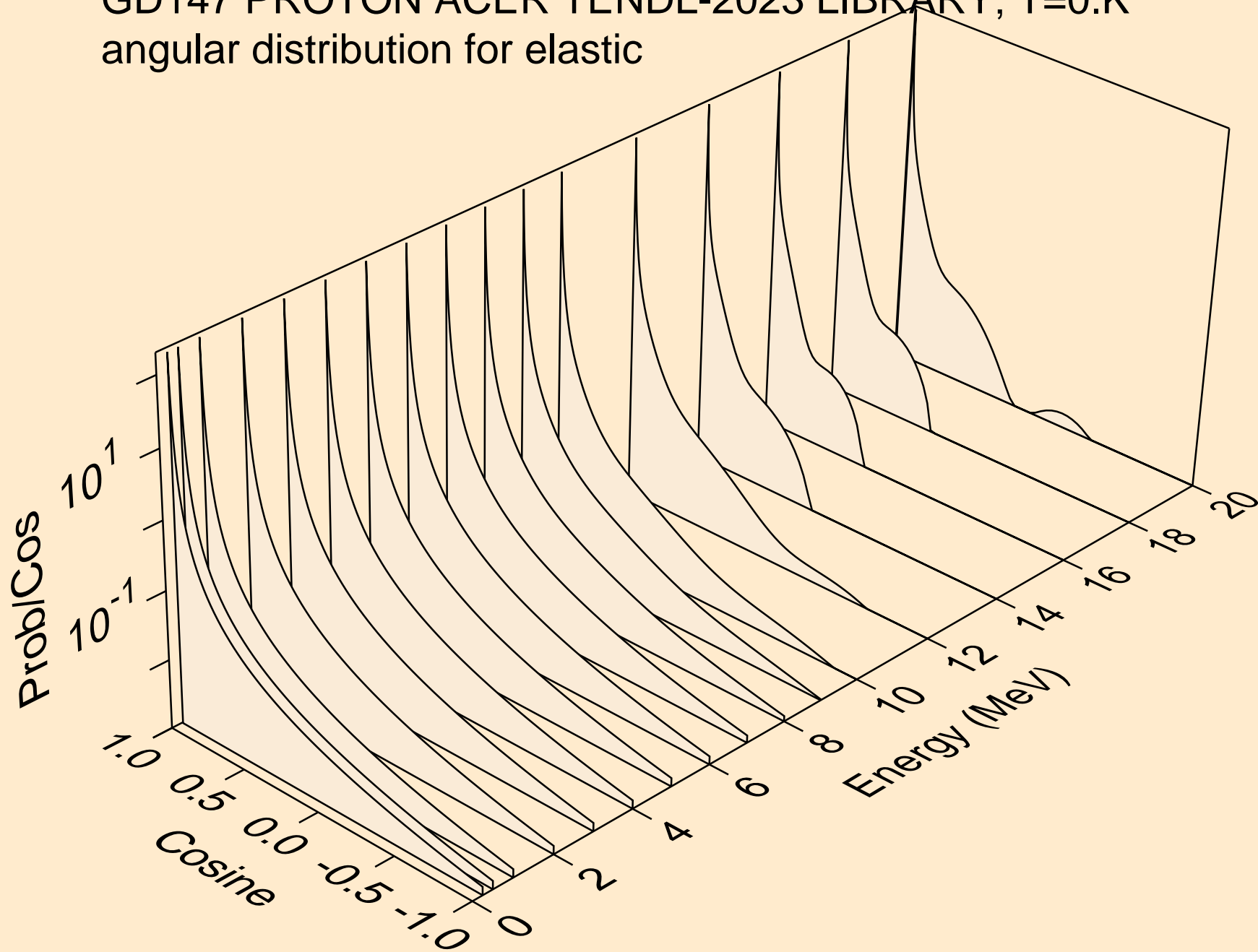
## Threshold reactions



GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

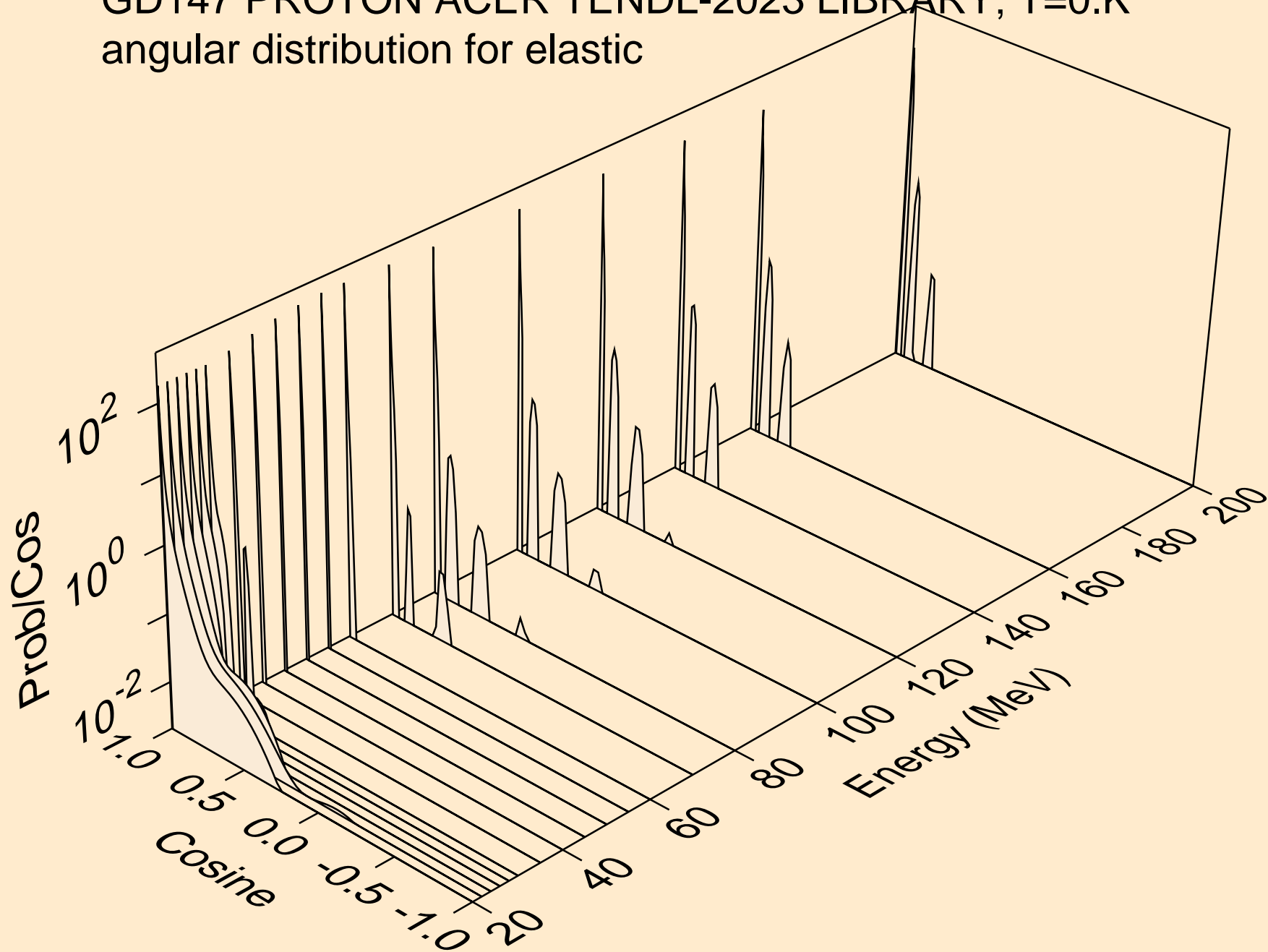


GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

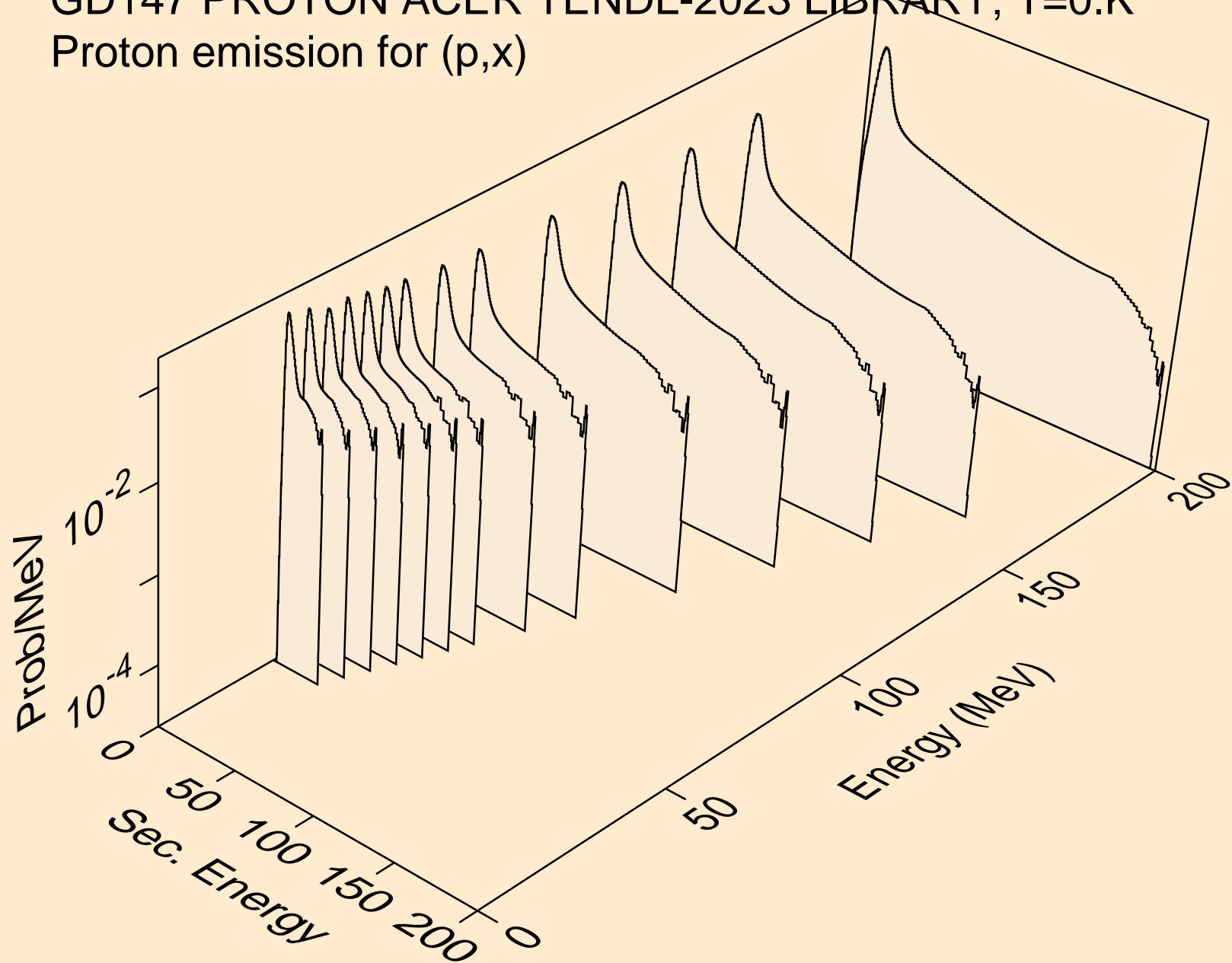




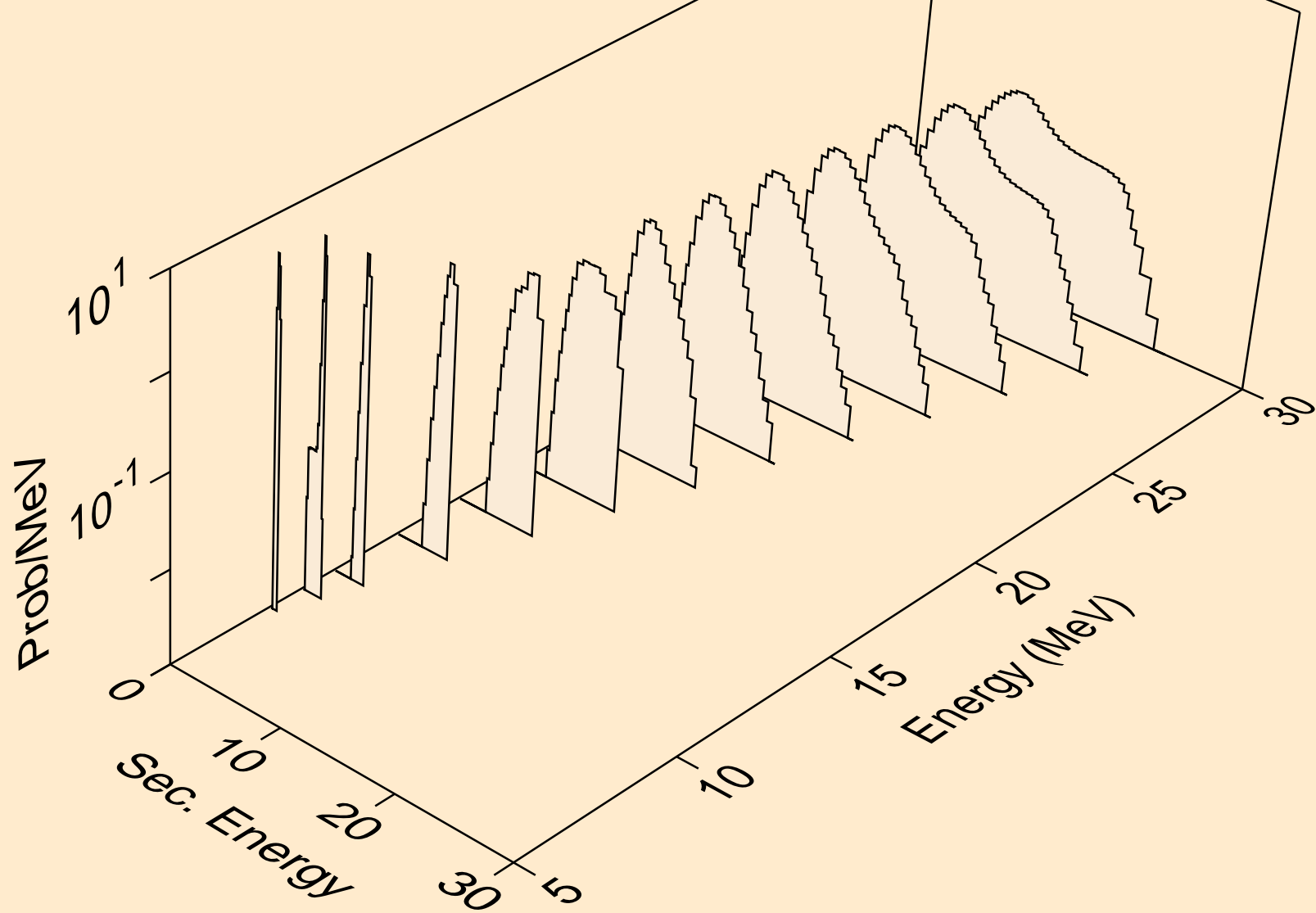
GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



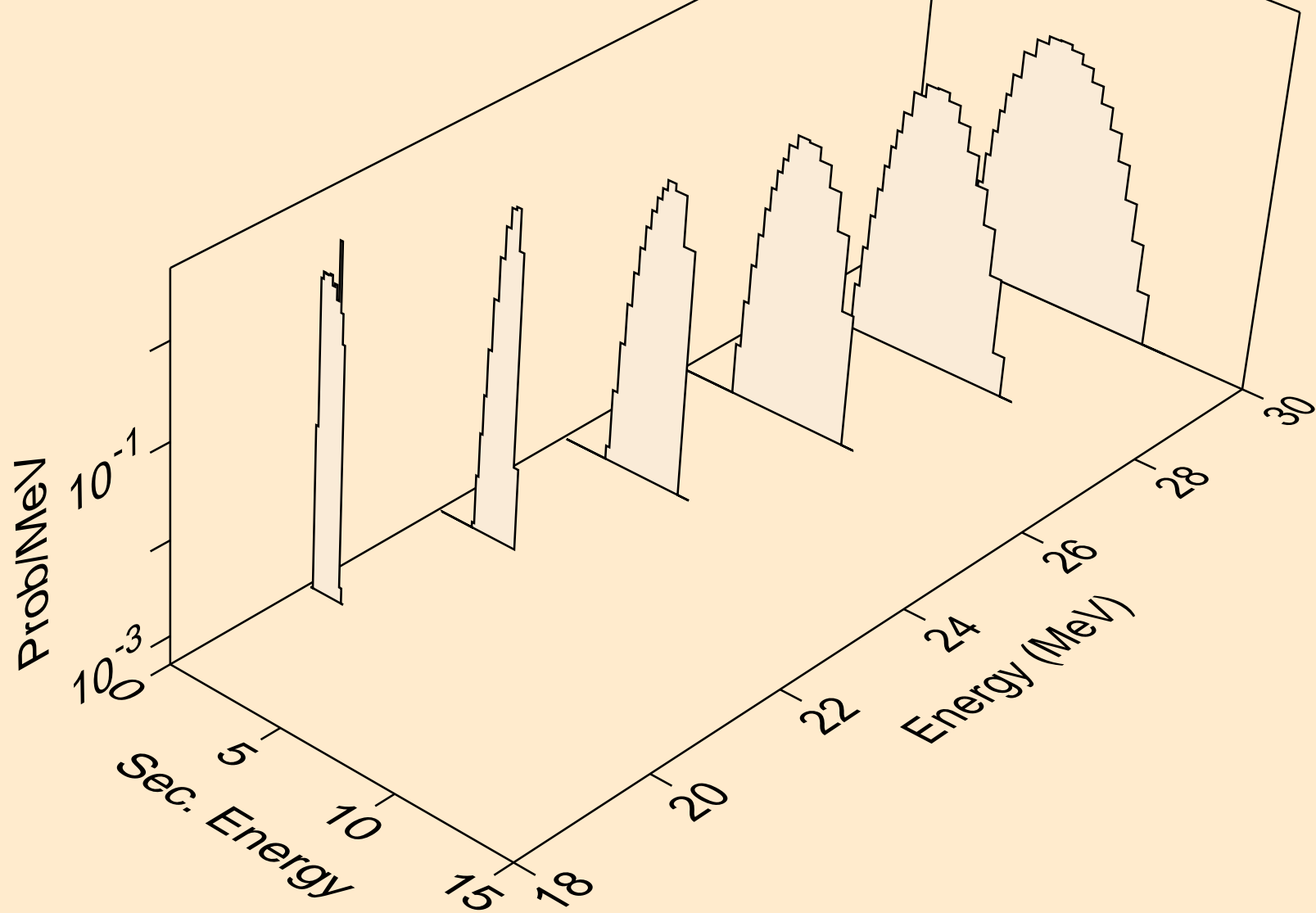
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Proton emission for (p,x)



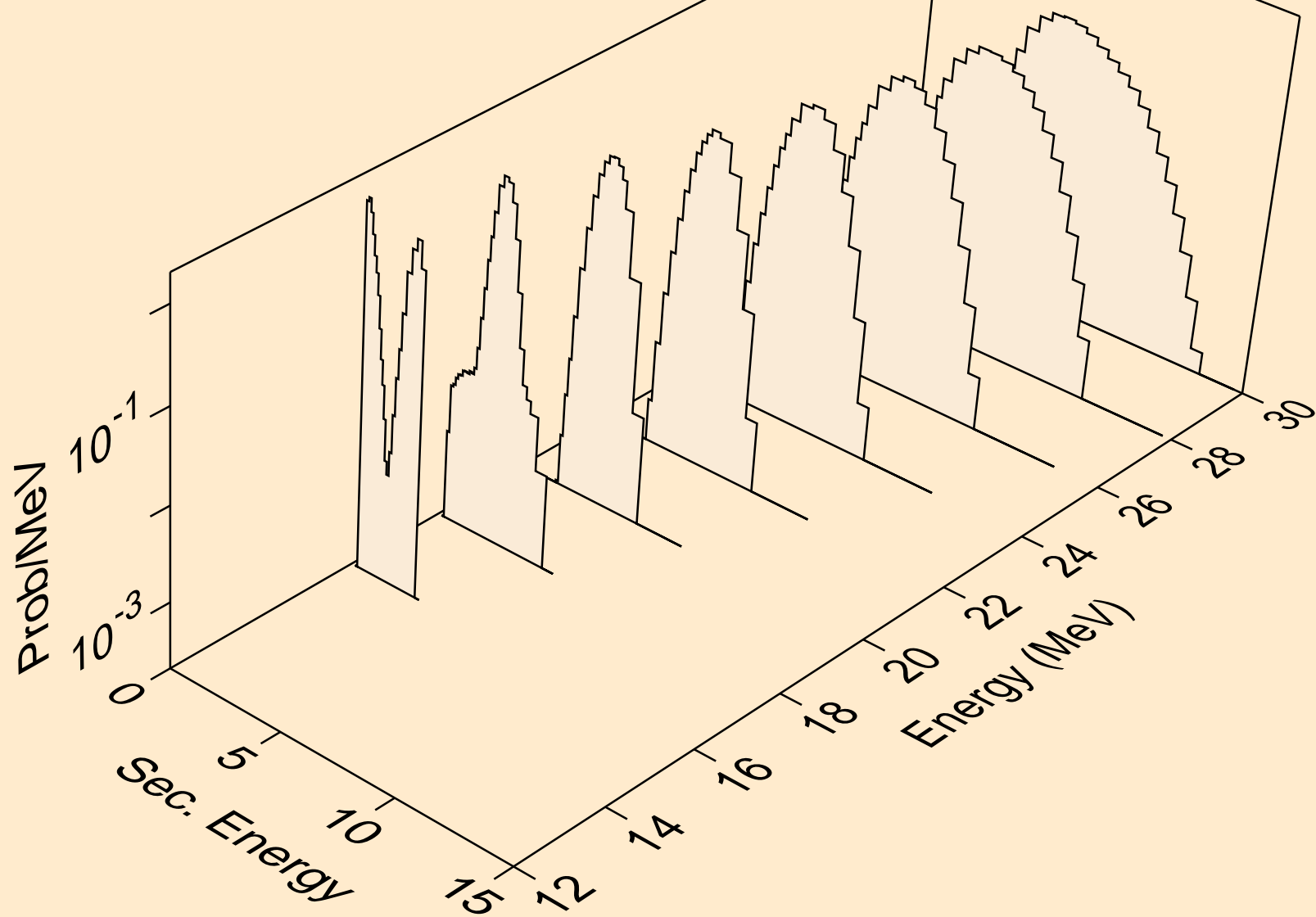
GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



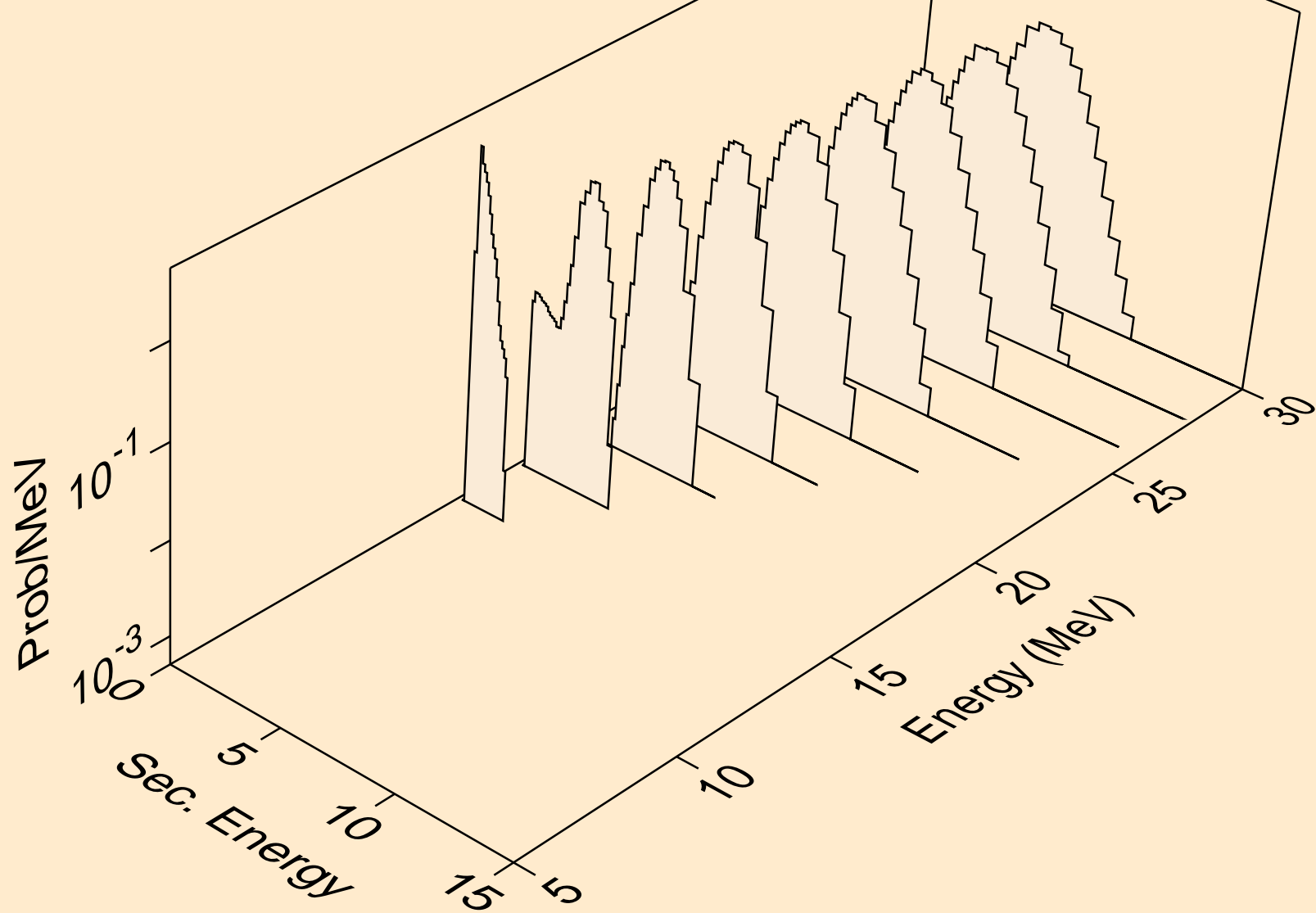
GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



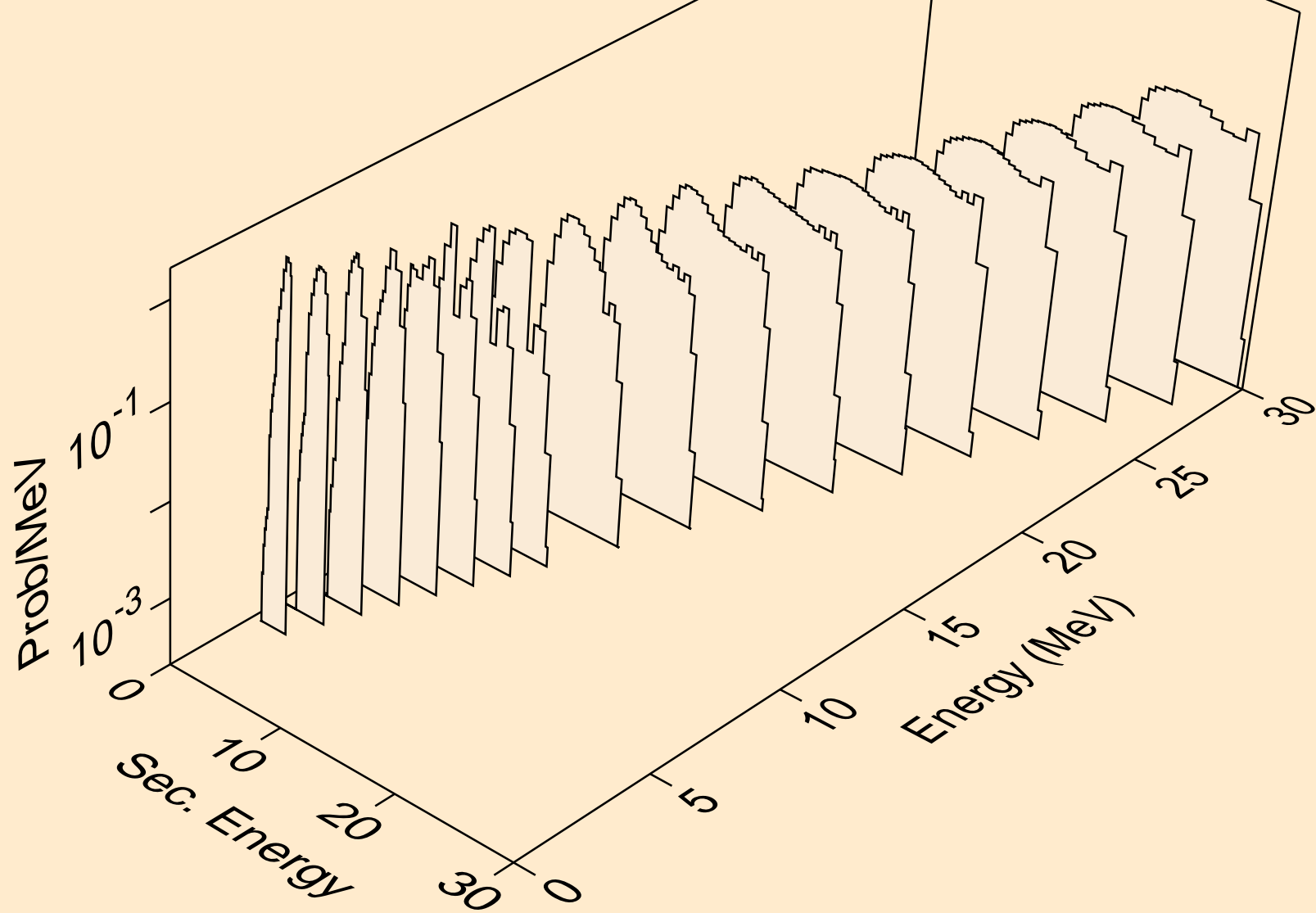
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Proton emission for (p,n2p)



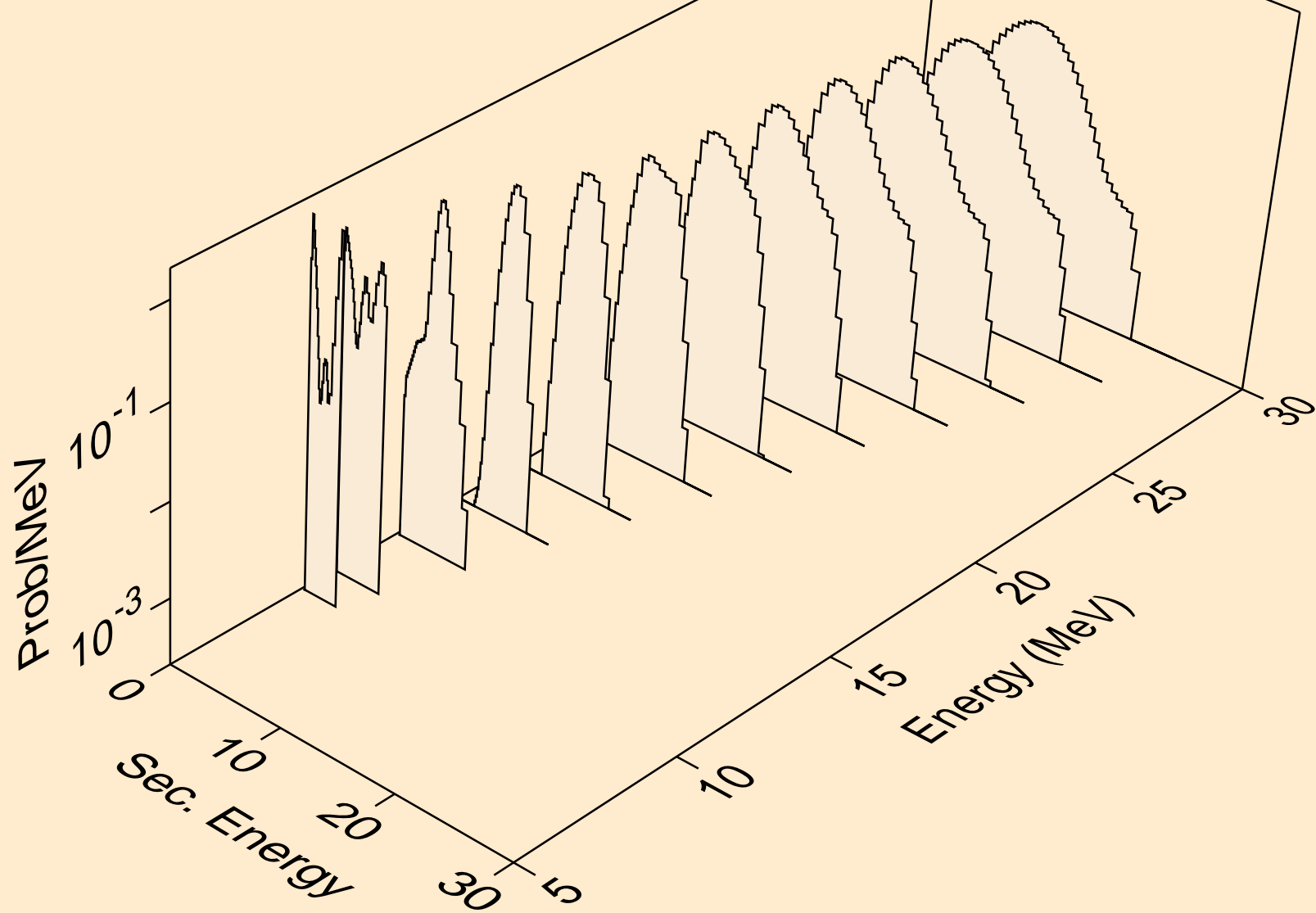
GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,npa)



GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic

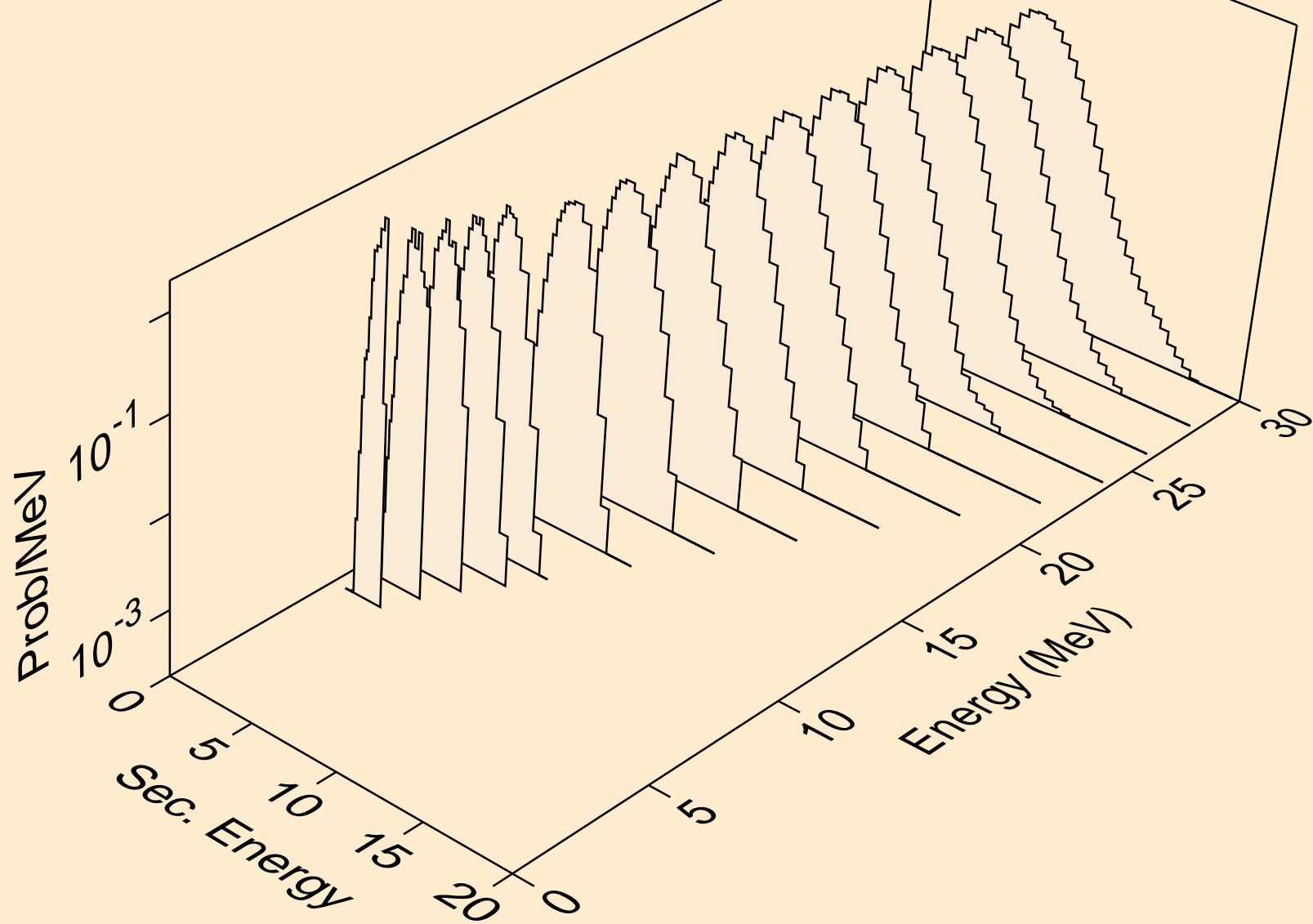


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Proton emission for (p,2p)

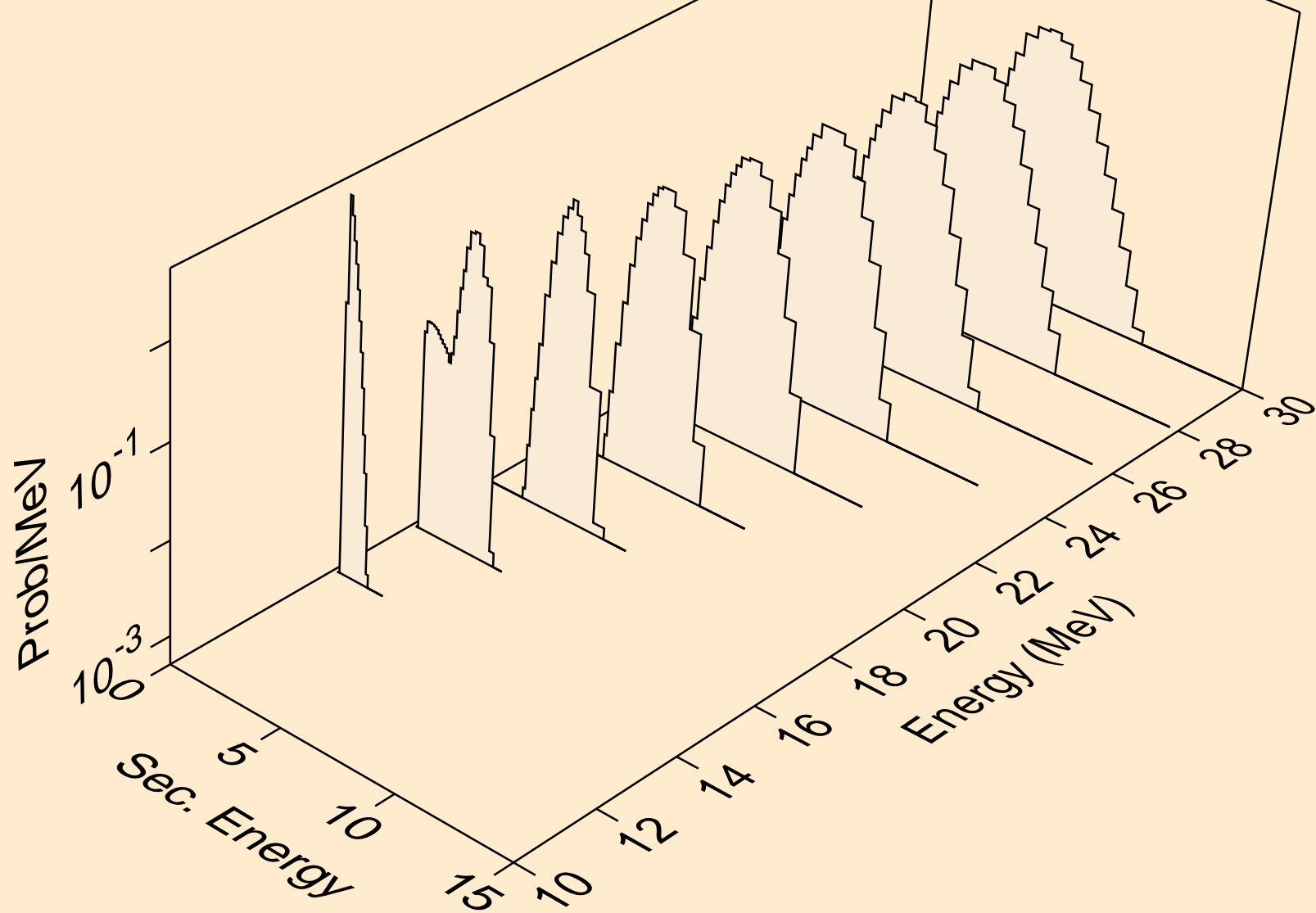




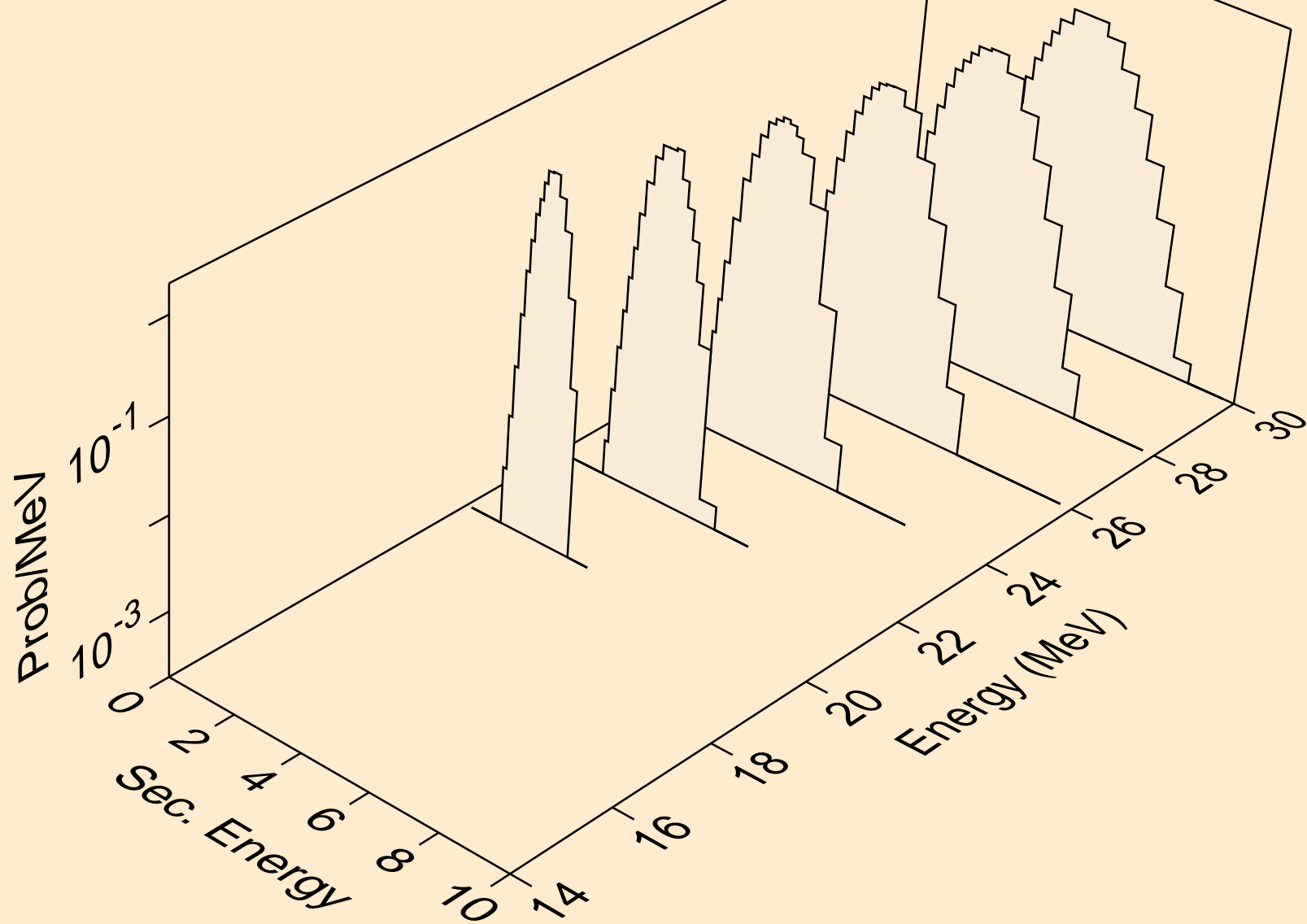
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Proton emission for (p,pa)



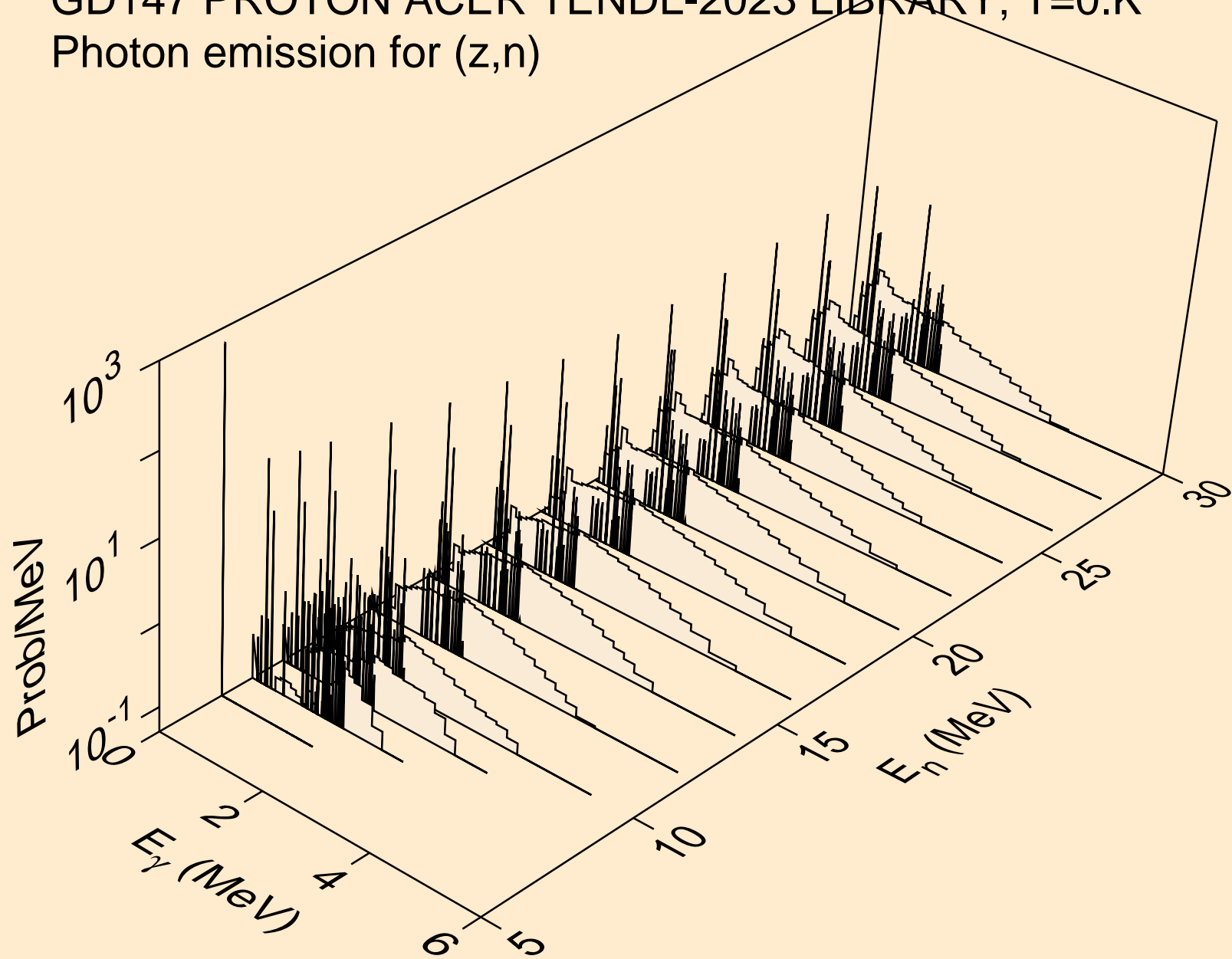
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Proton emission for (p,pd)



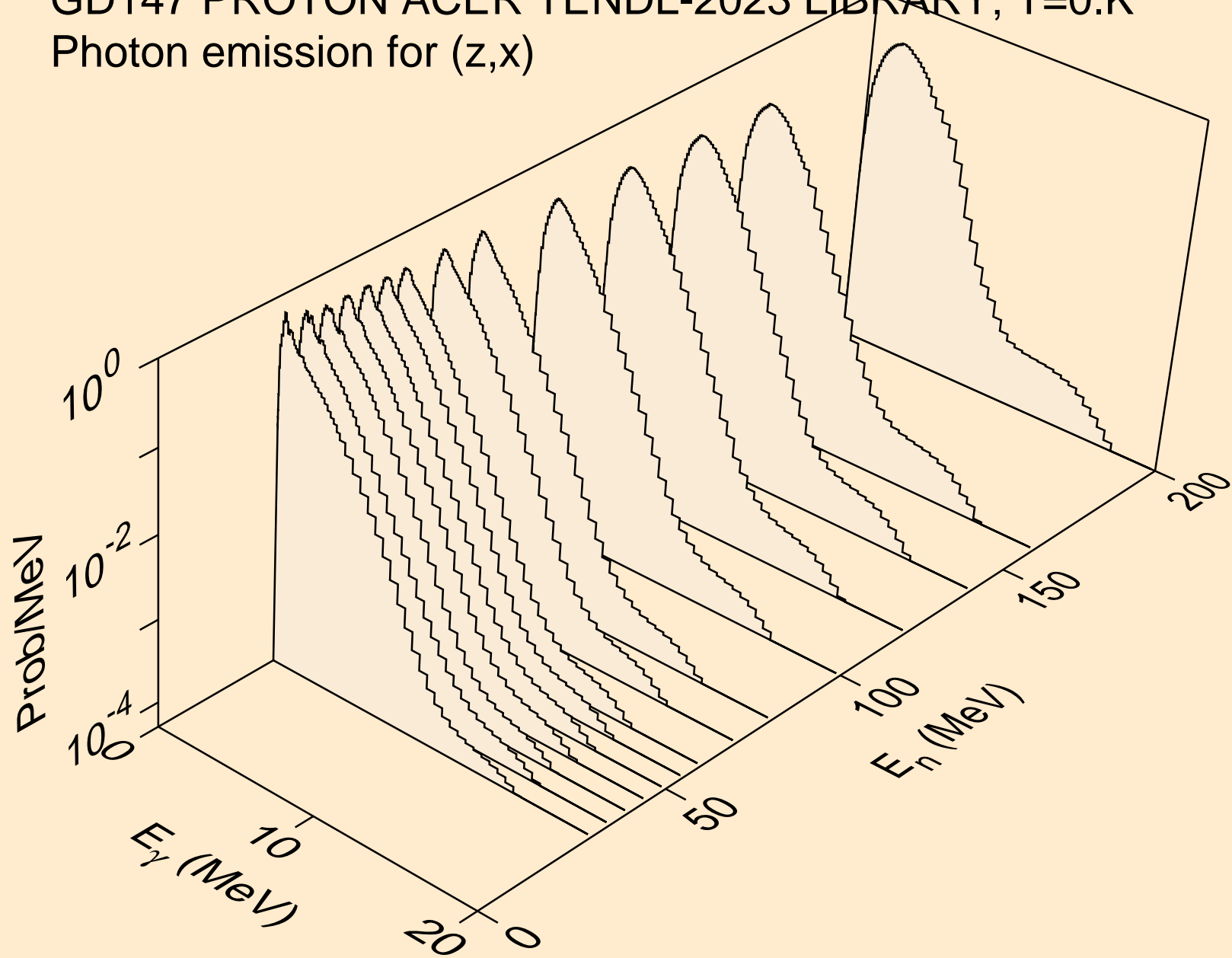
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Proton emission for (p,pt)



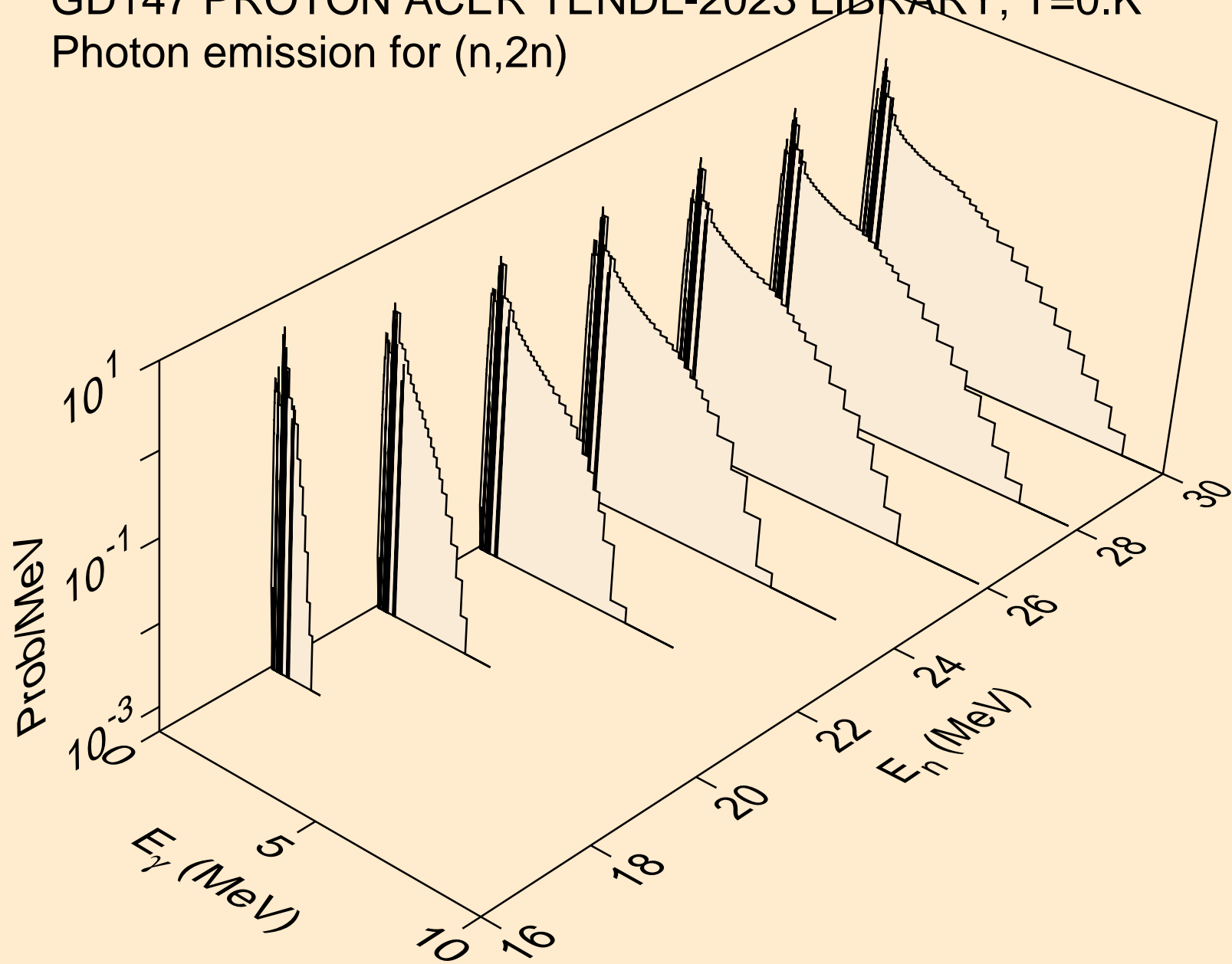
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Photon emission for (z,n)



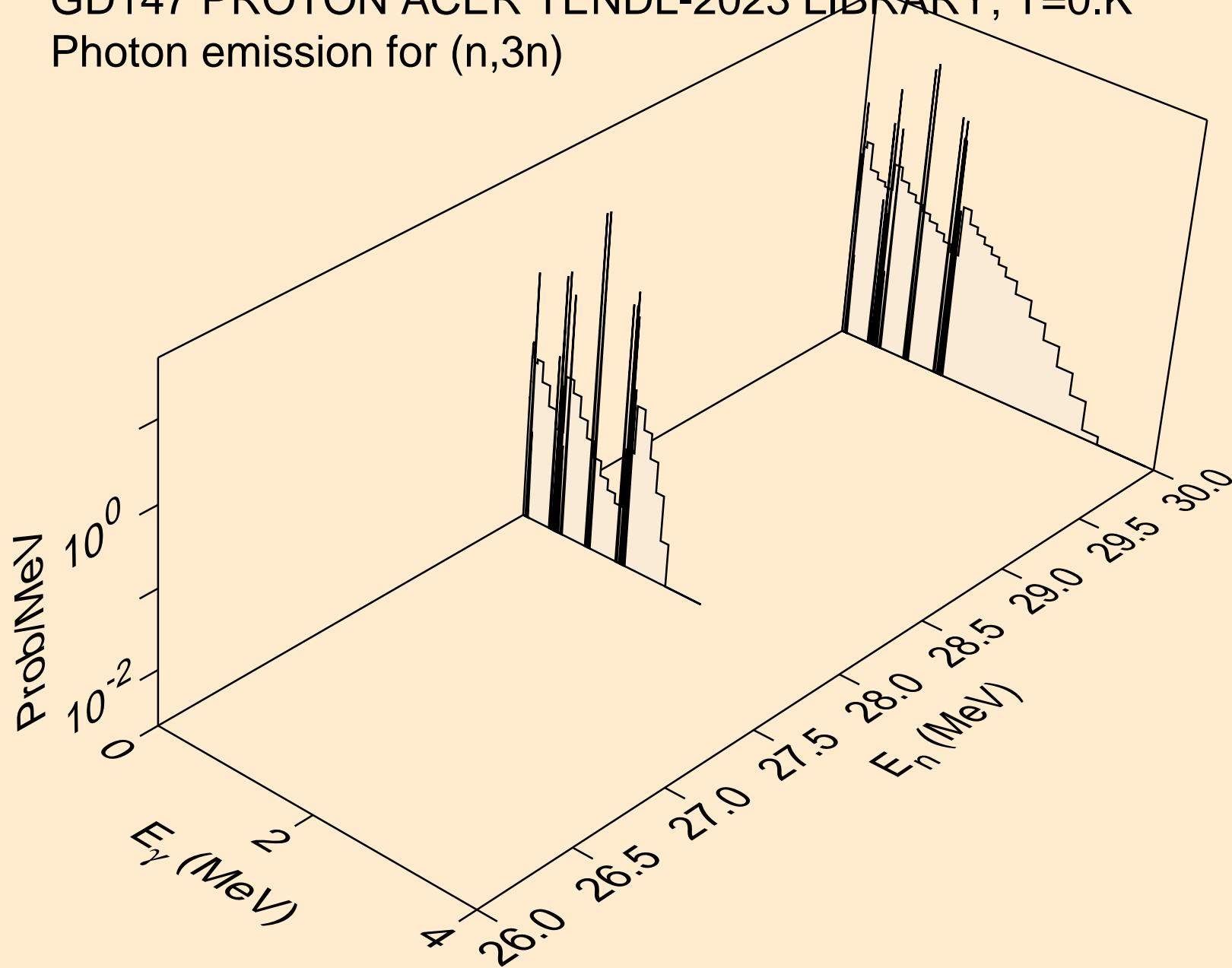
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Photon emission for (z,x)



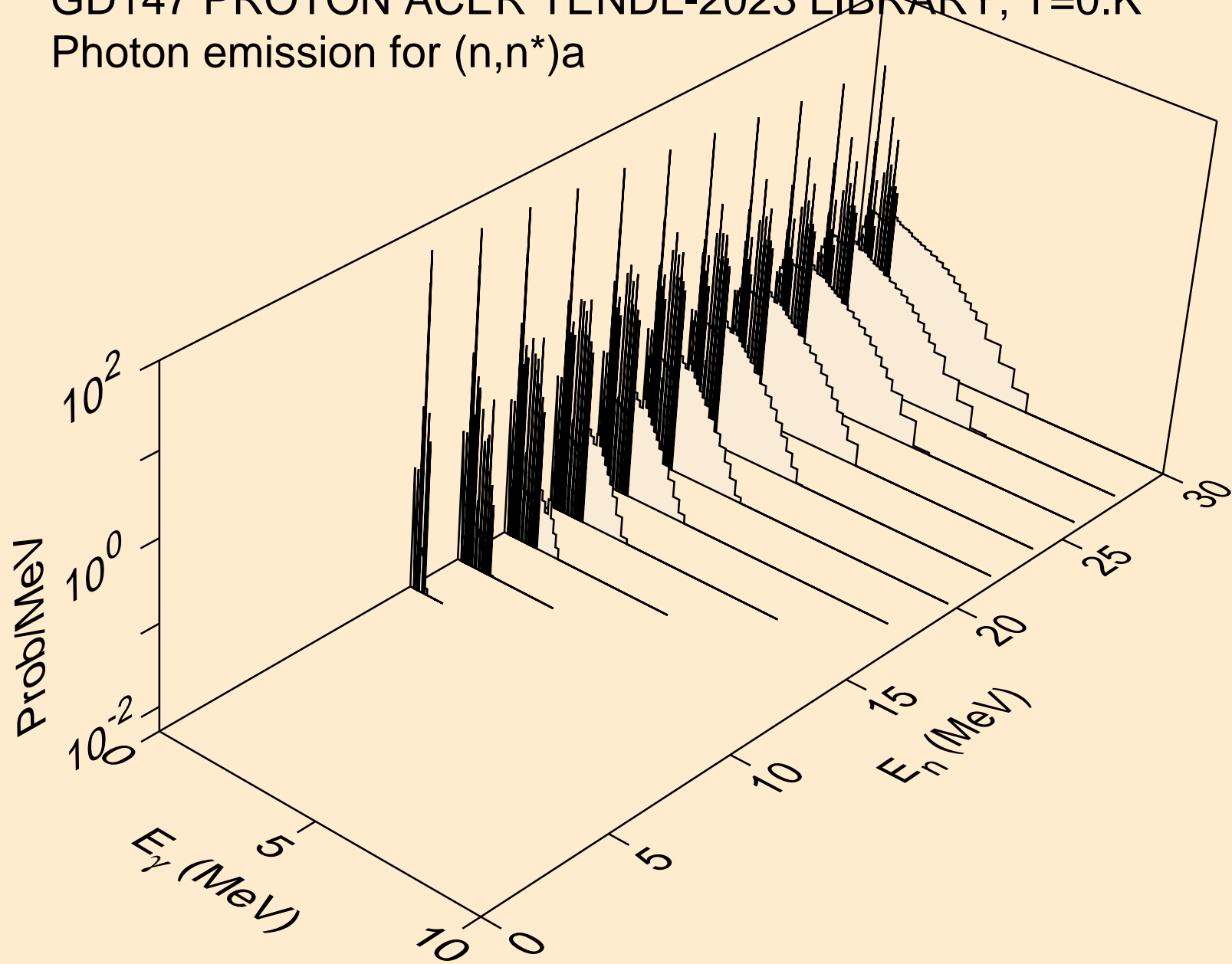
GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)

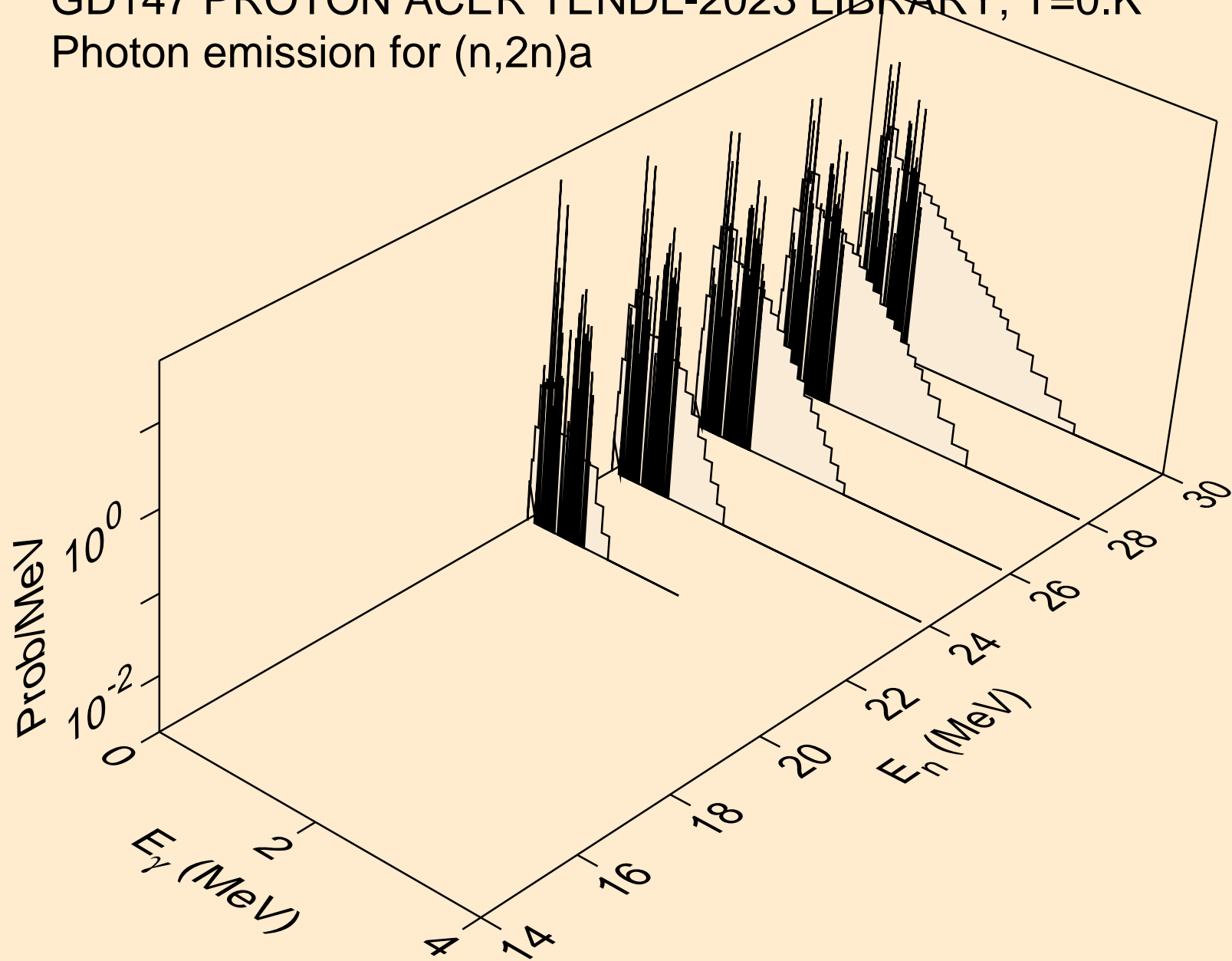


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Photon emission for (n,n\*)a

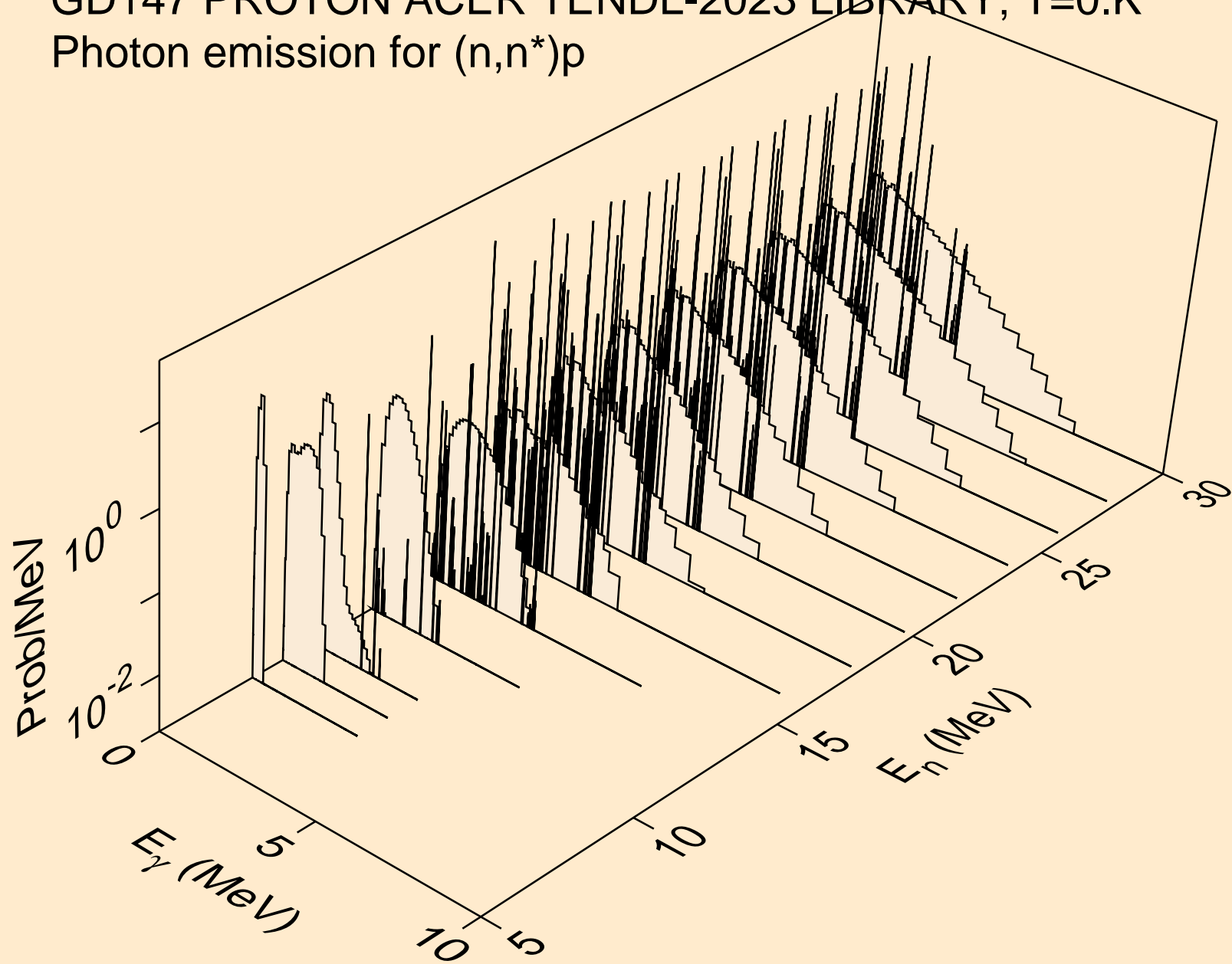




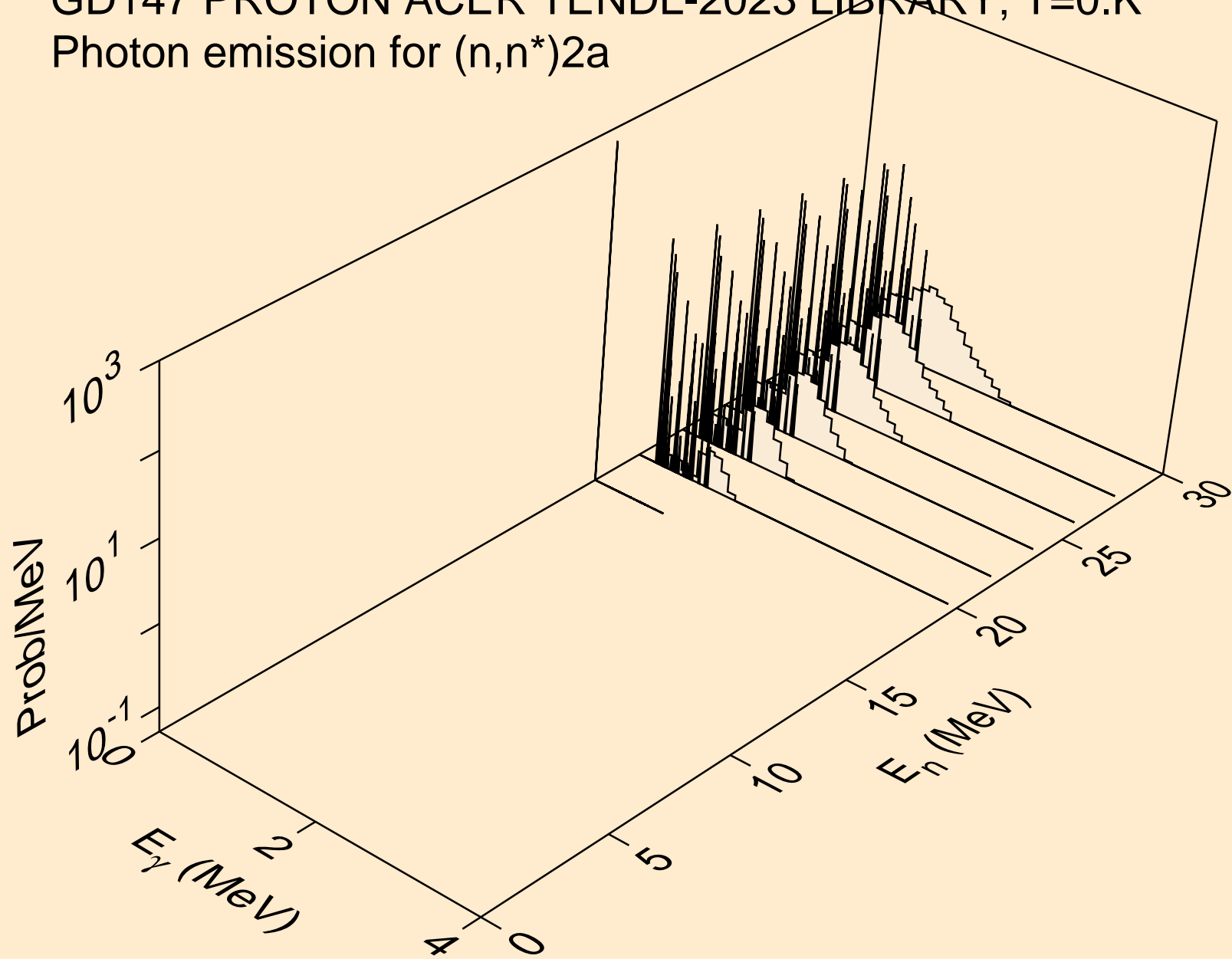
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Photon emission for (n,2n)a



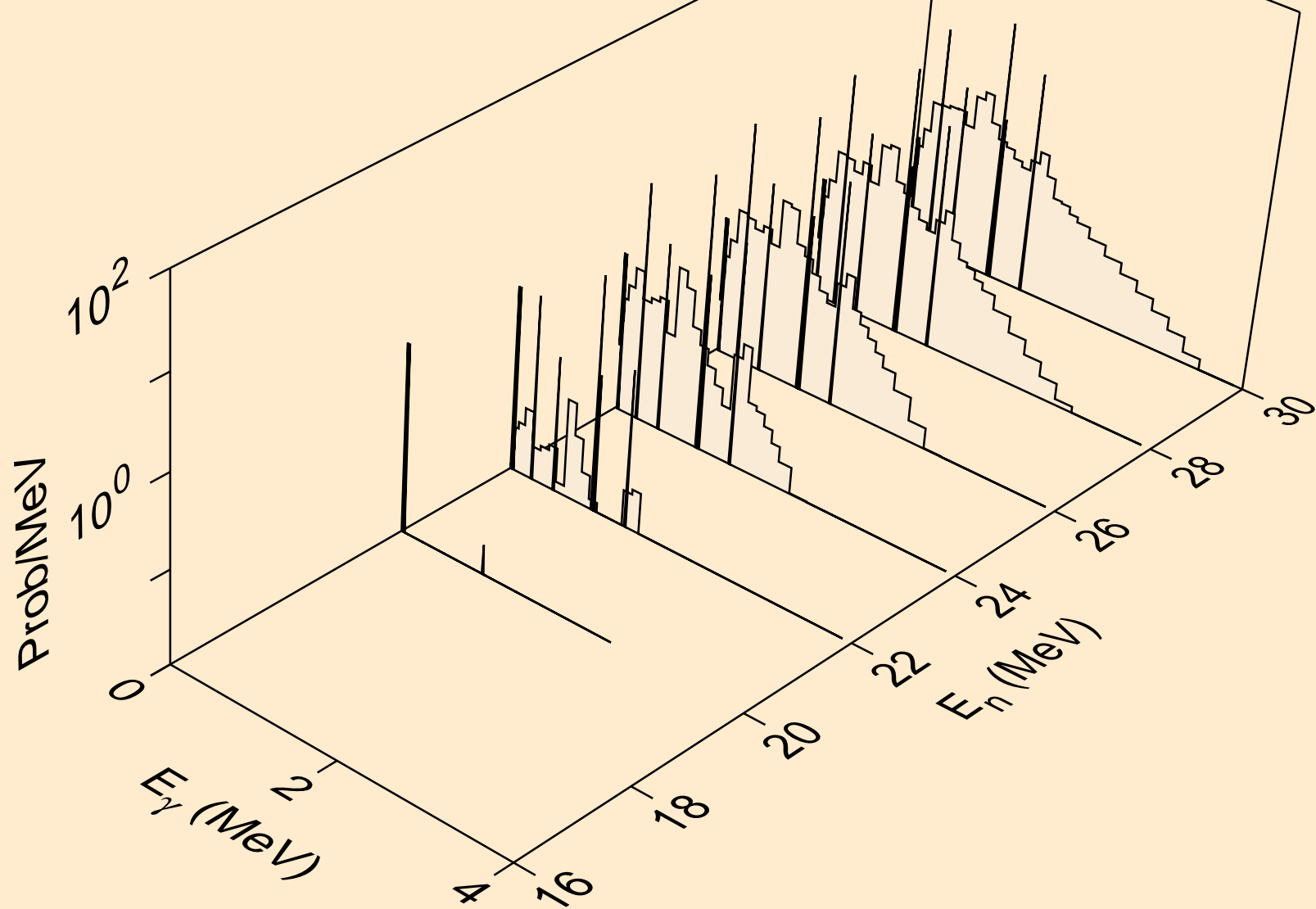
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Photon emission for (n,n\*)p



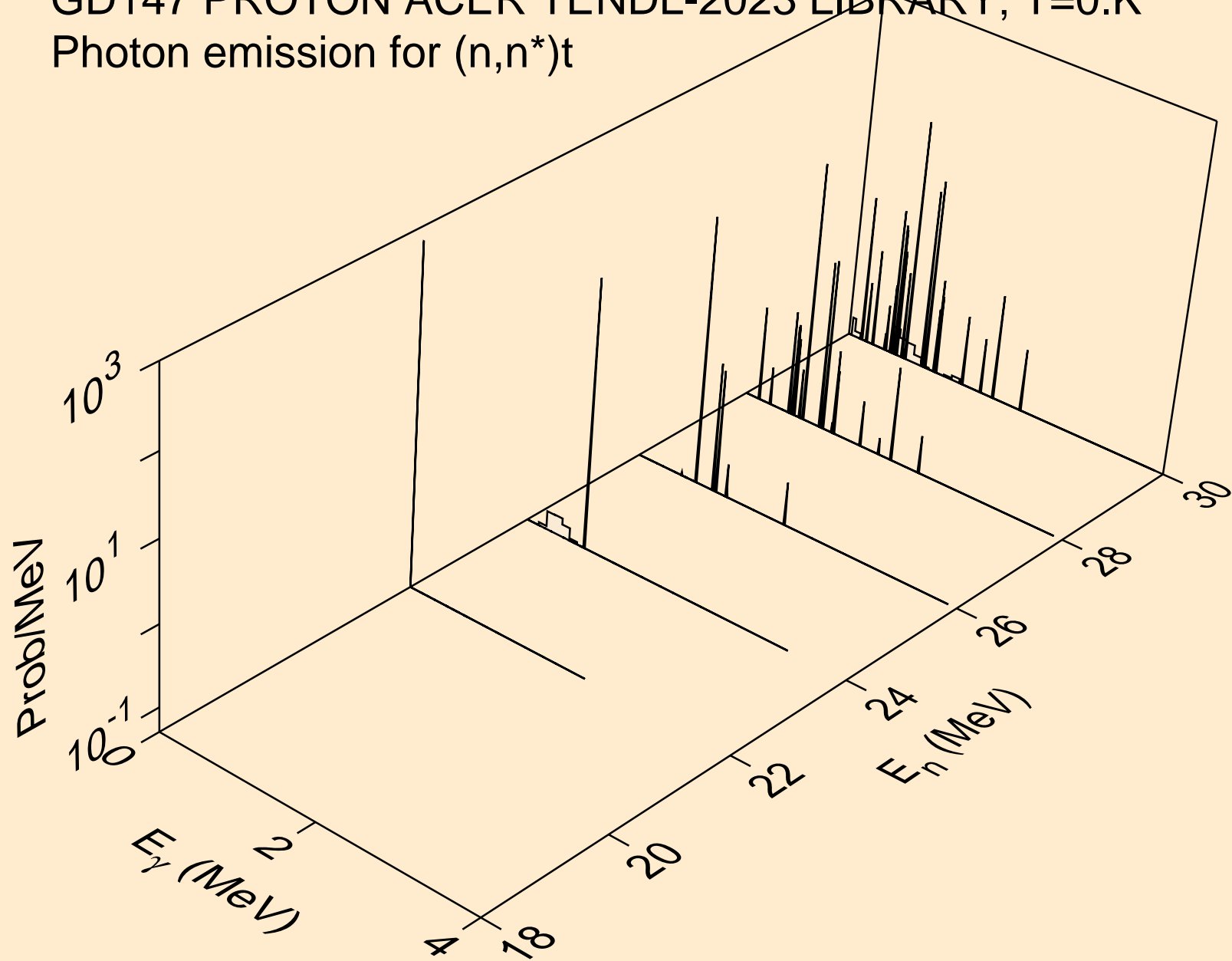
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Photon emission for (n,n\*)2a



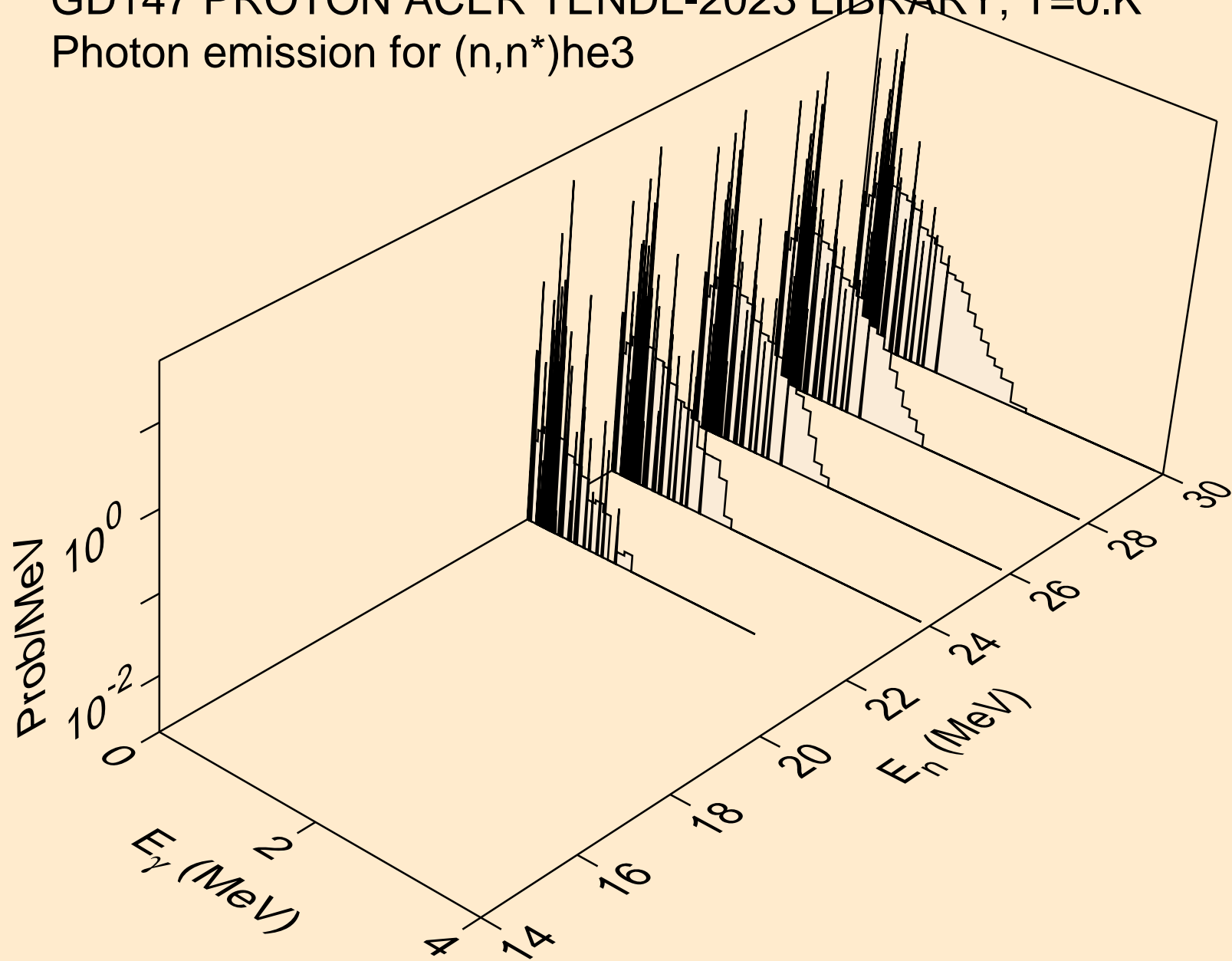
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Photon emission for (n,n\*)d



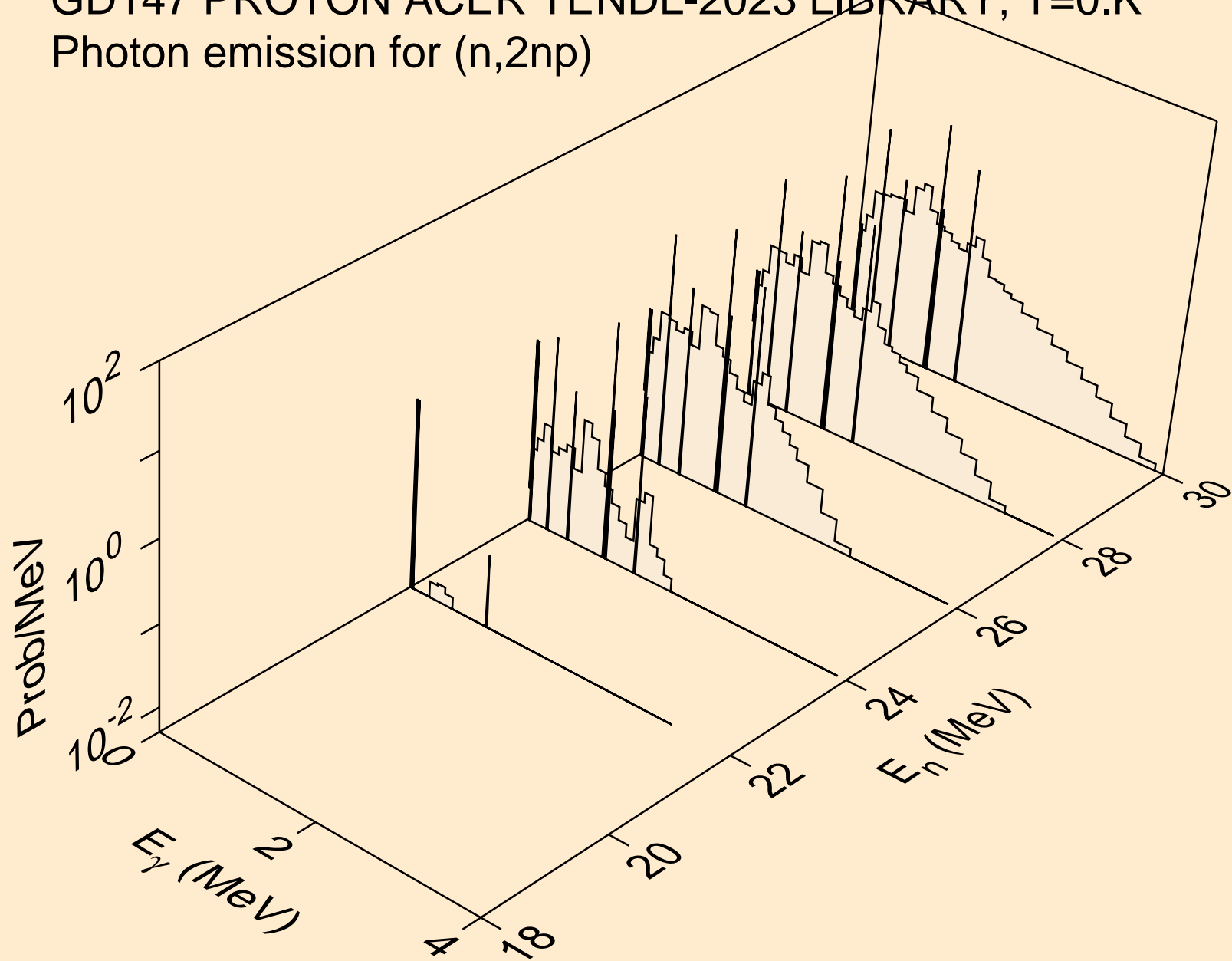
GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



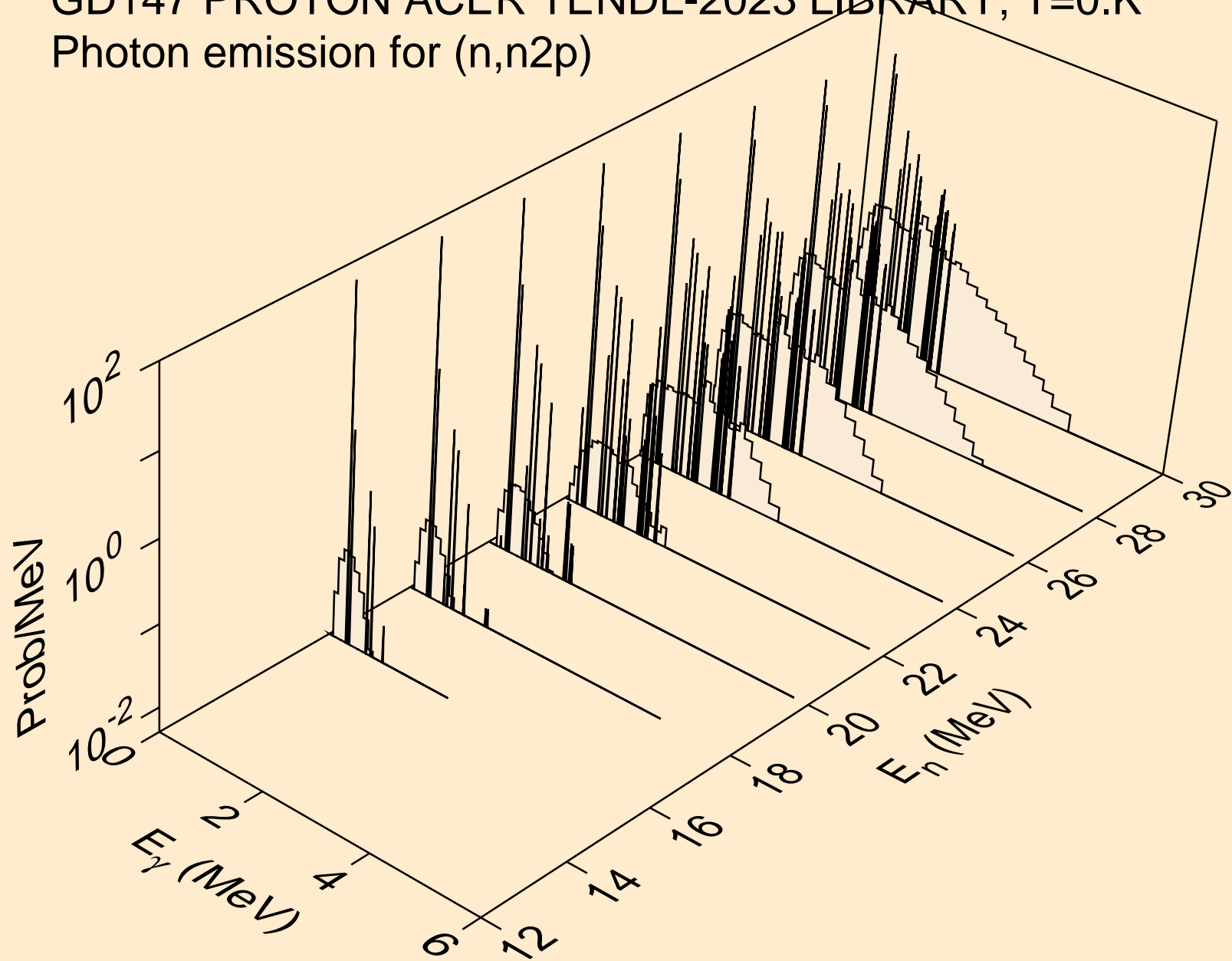
GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

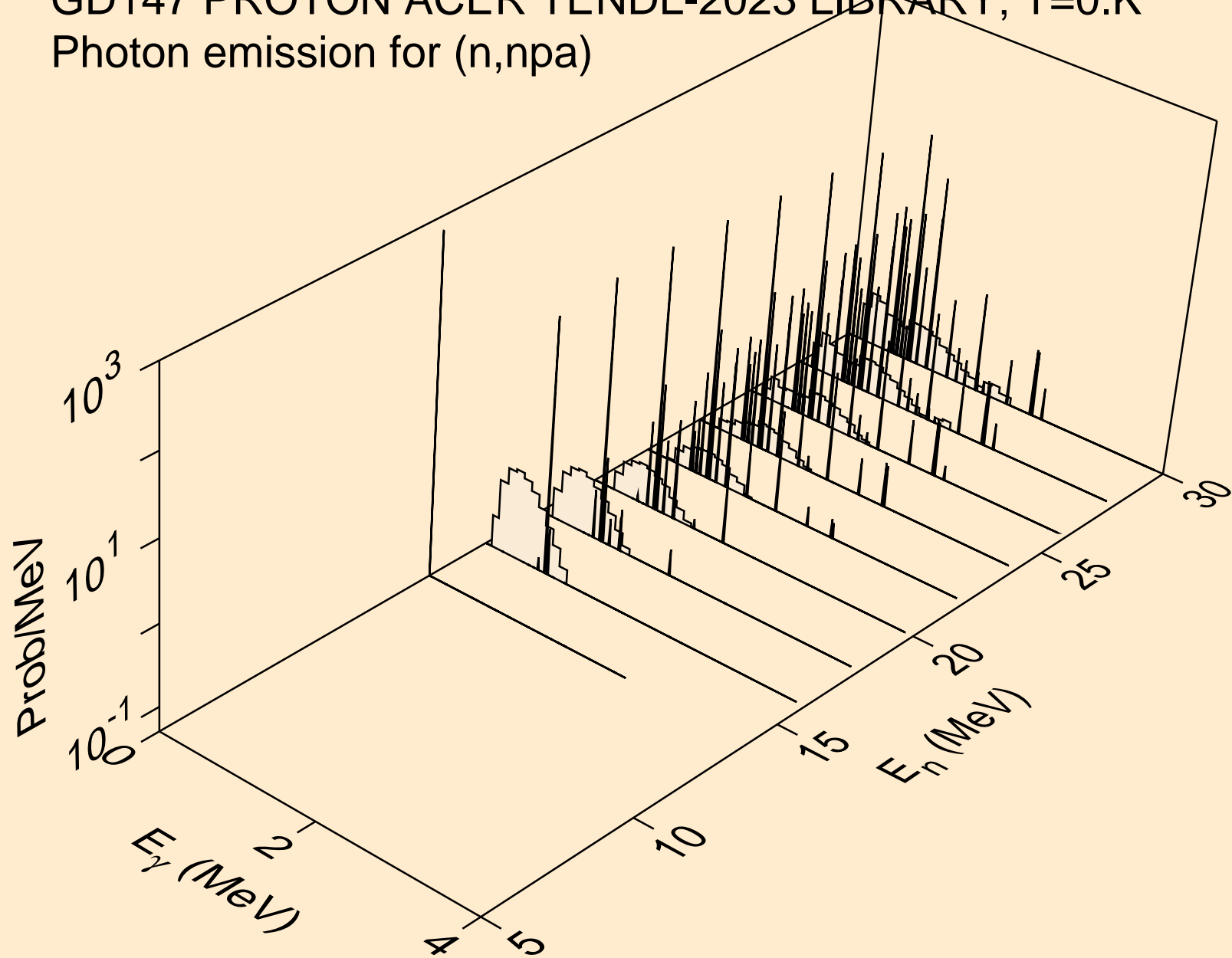


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Photon emission for (n,n2p)

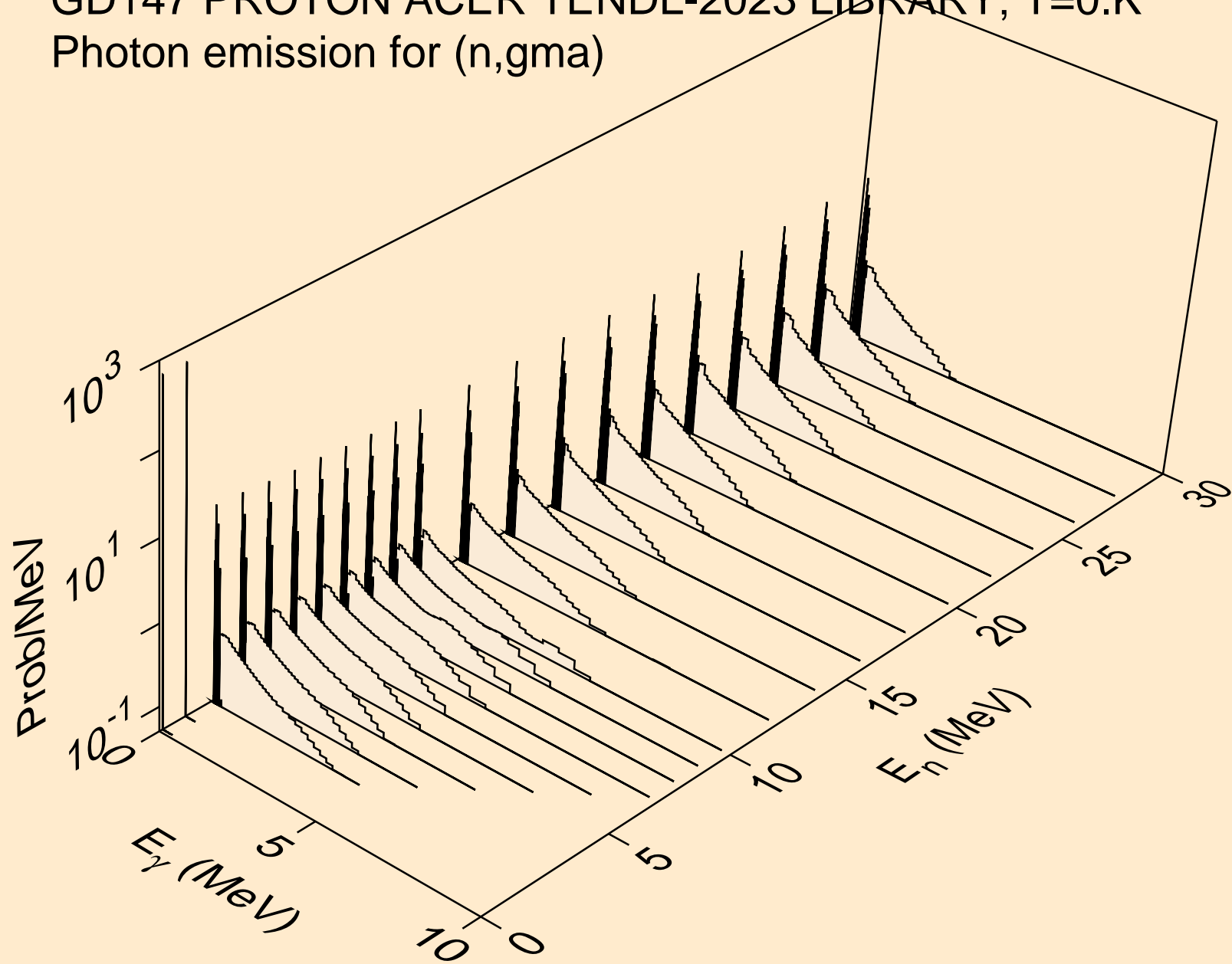




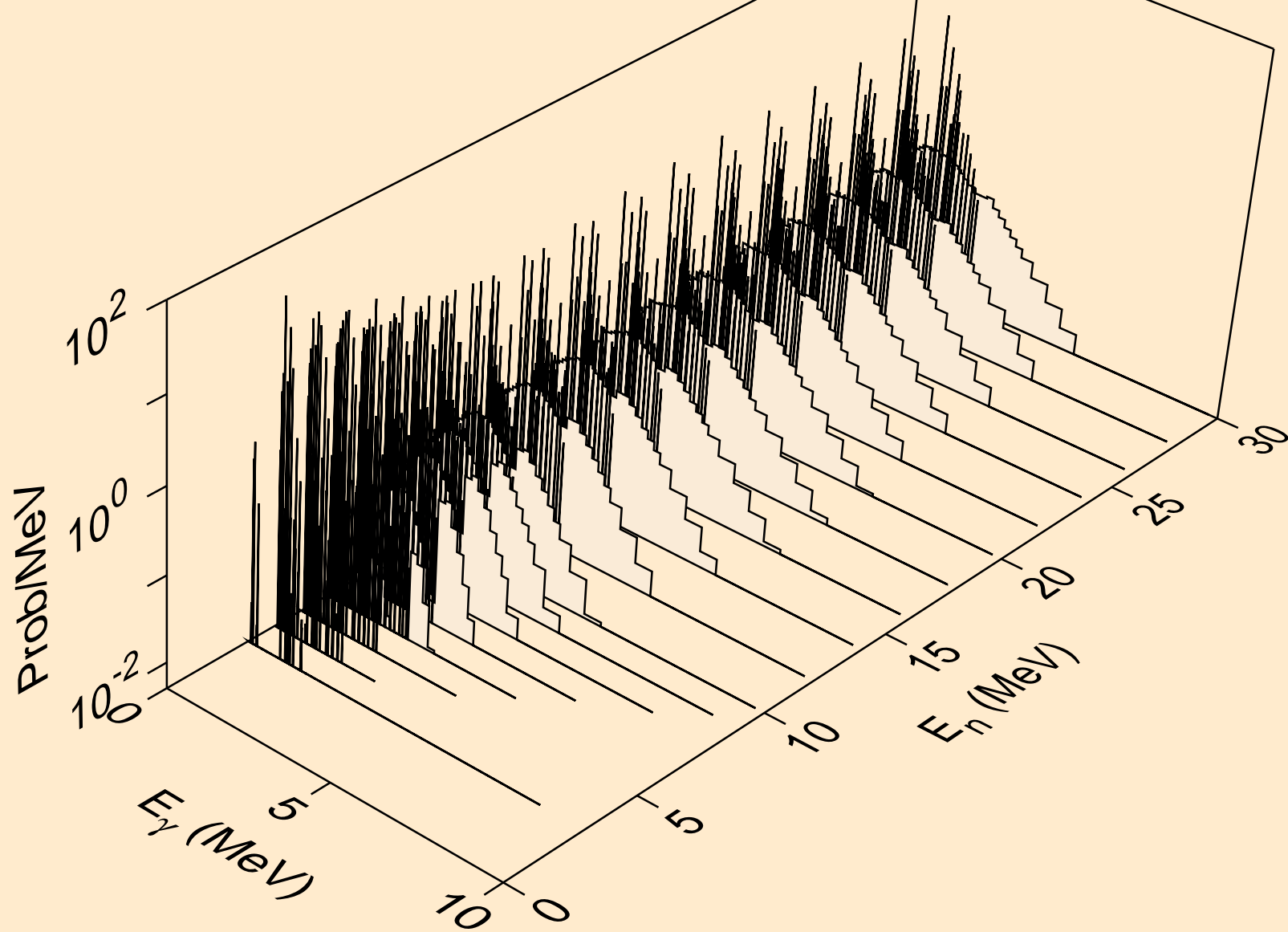
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Photon emission for (n,npa)



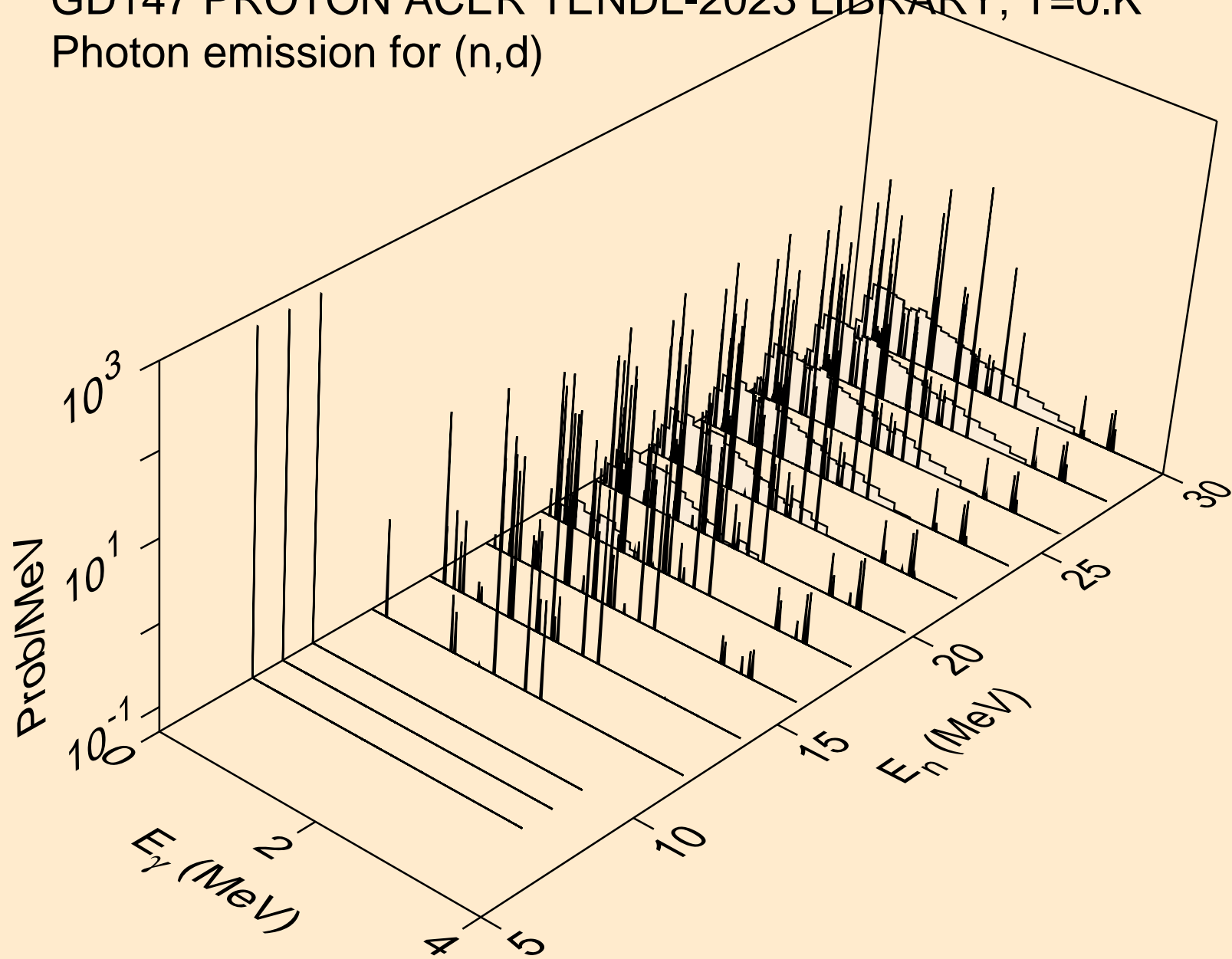
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Photon emission for (n,gma)



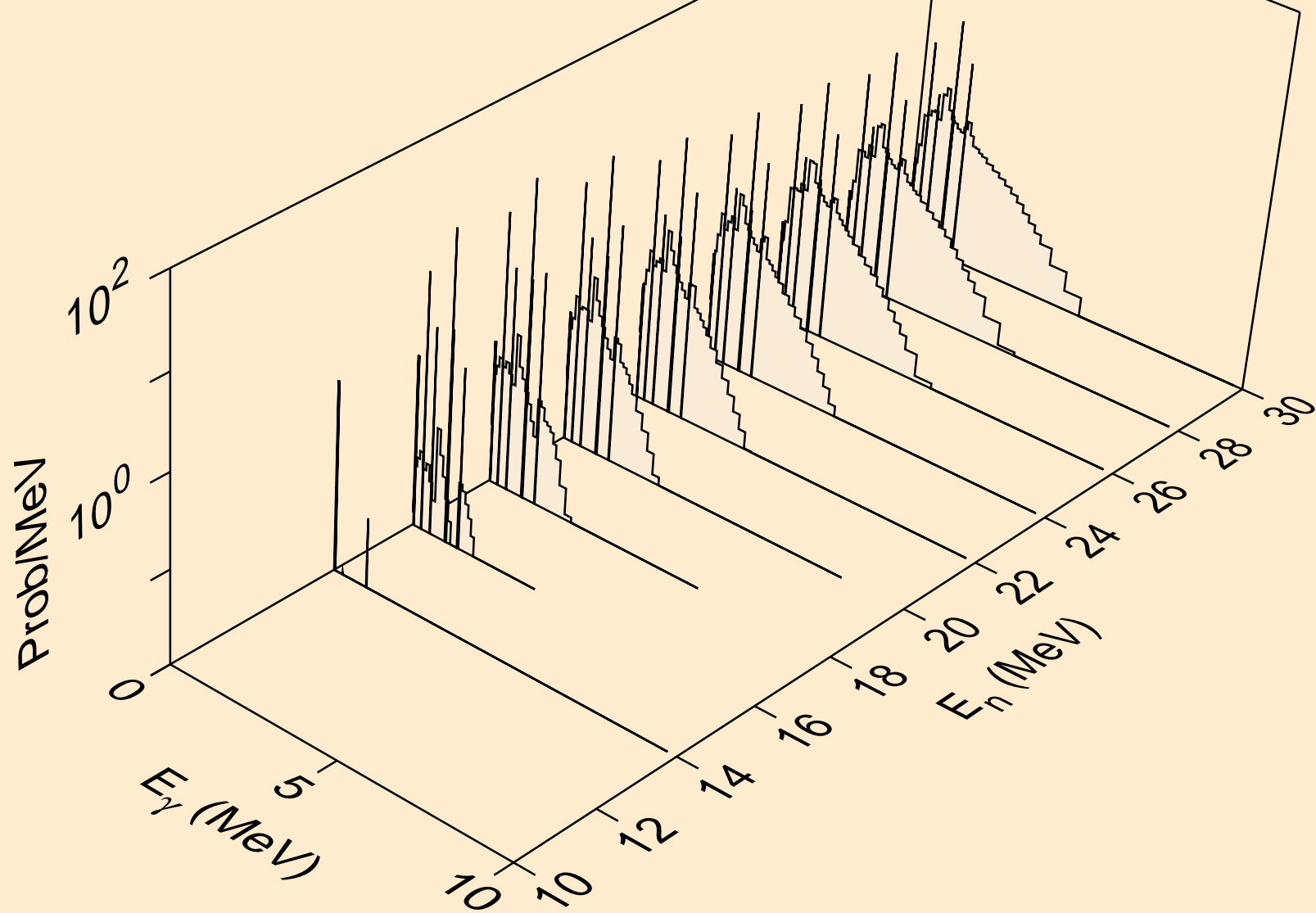
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Photon emission for inelastic



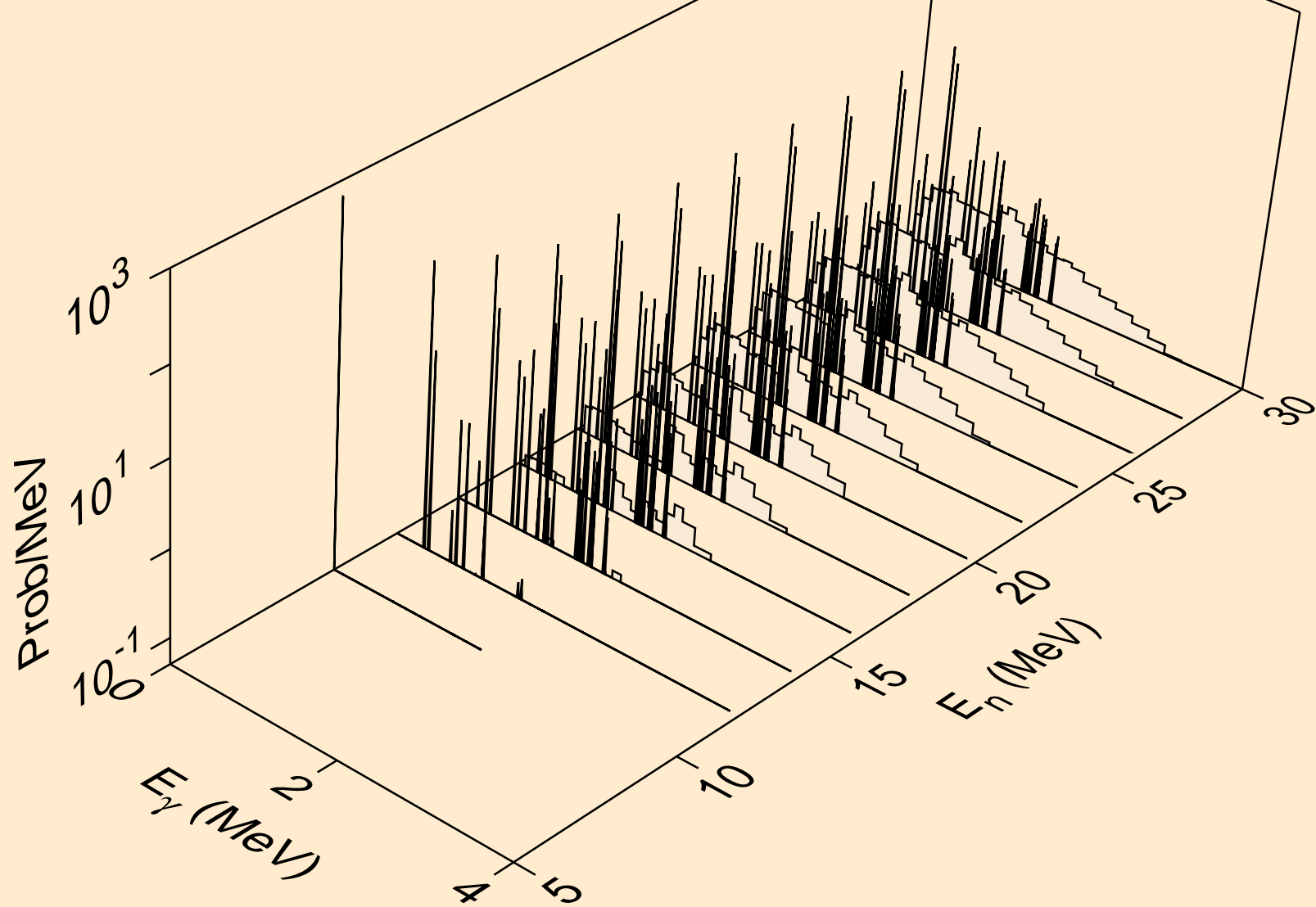
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Photon emission for (n,d)



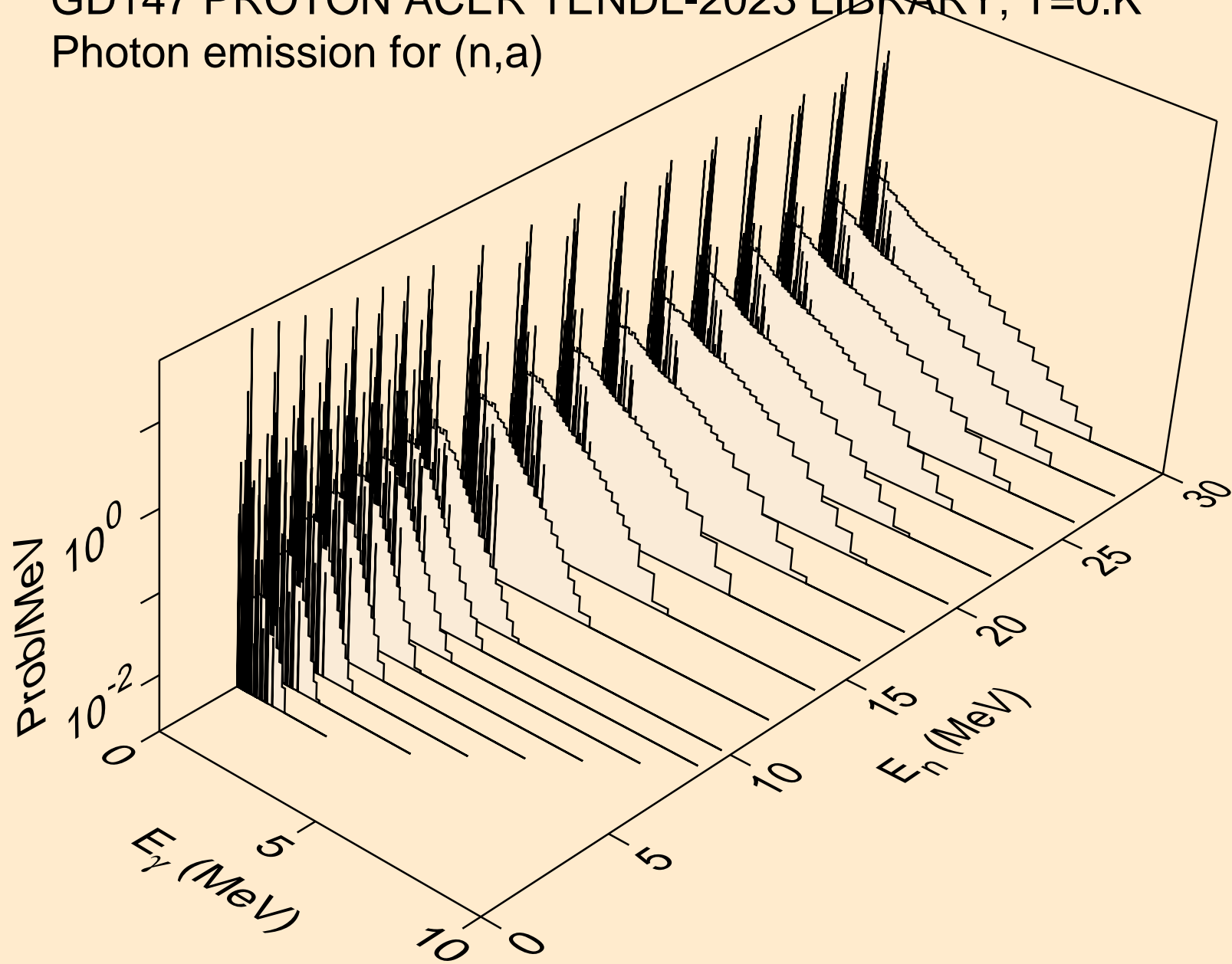
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Photon emission for (n,t)



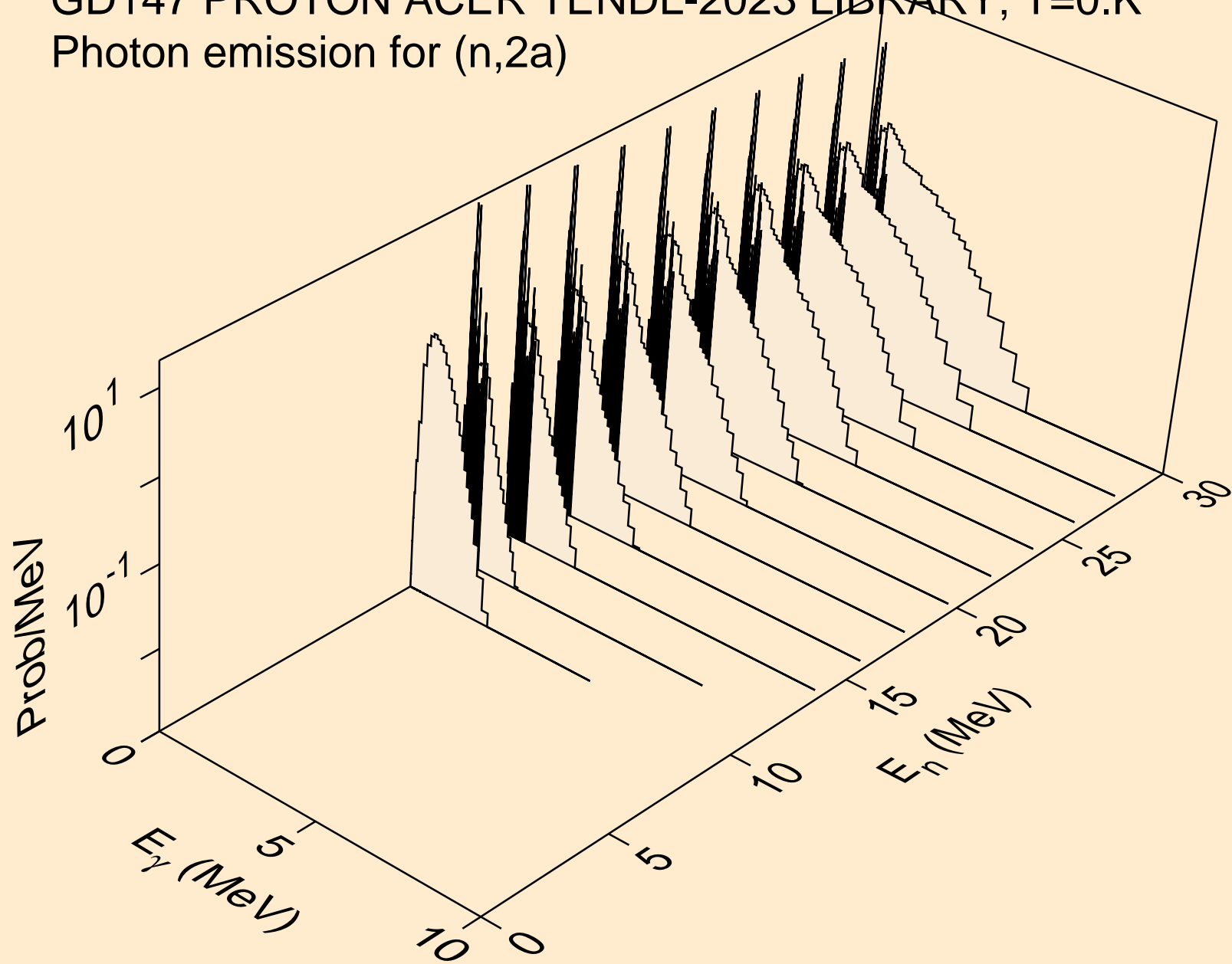
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Photon emission for (n,he3)



GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

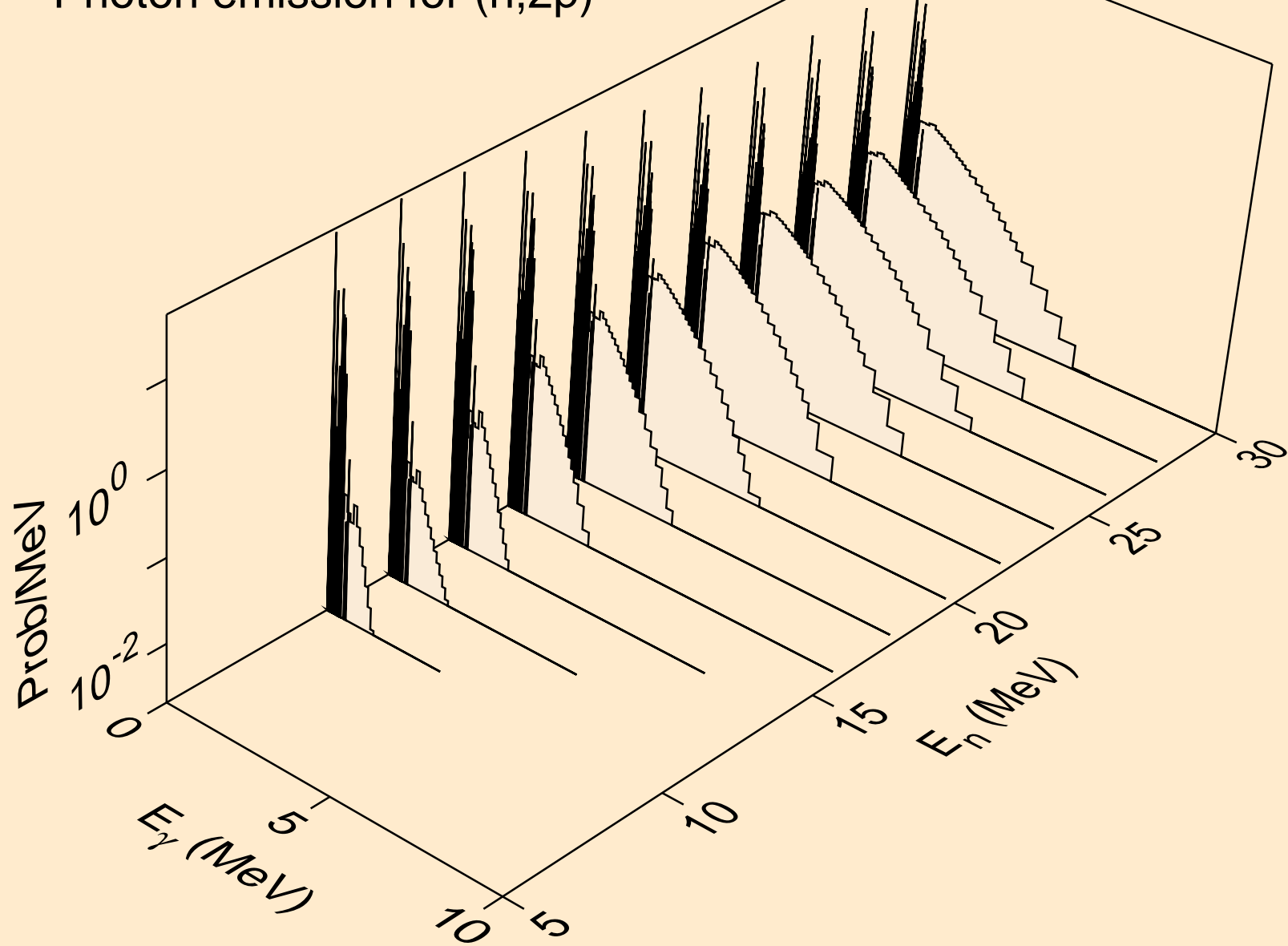


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Photon emission for (n,2a)

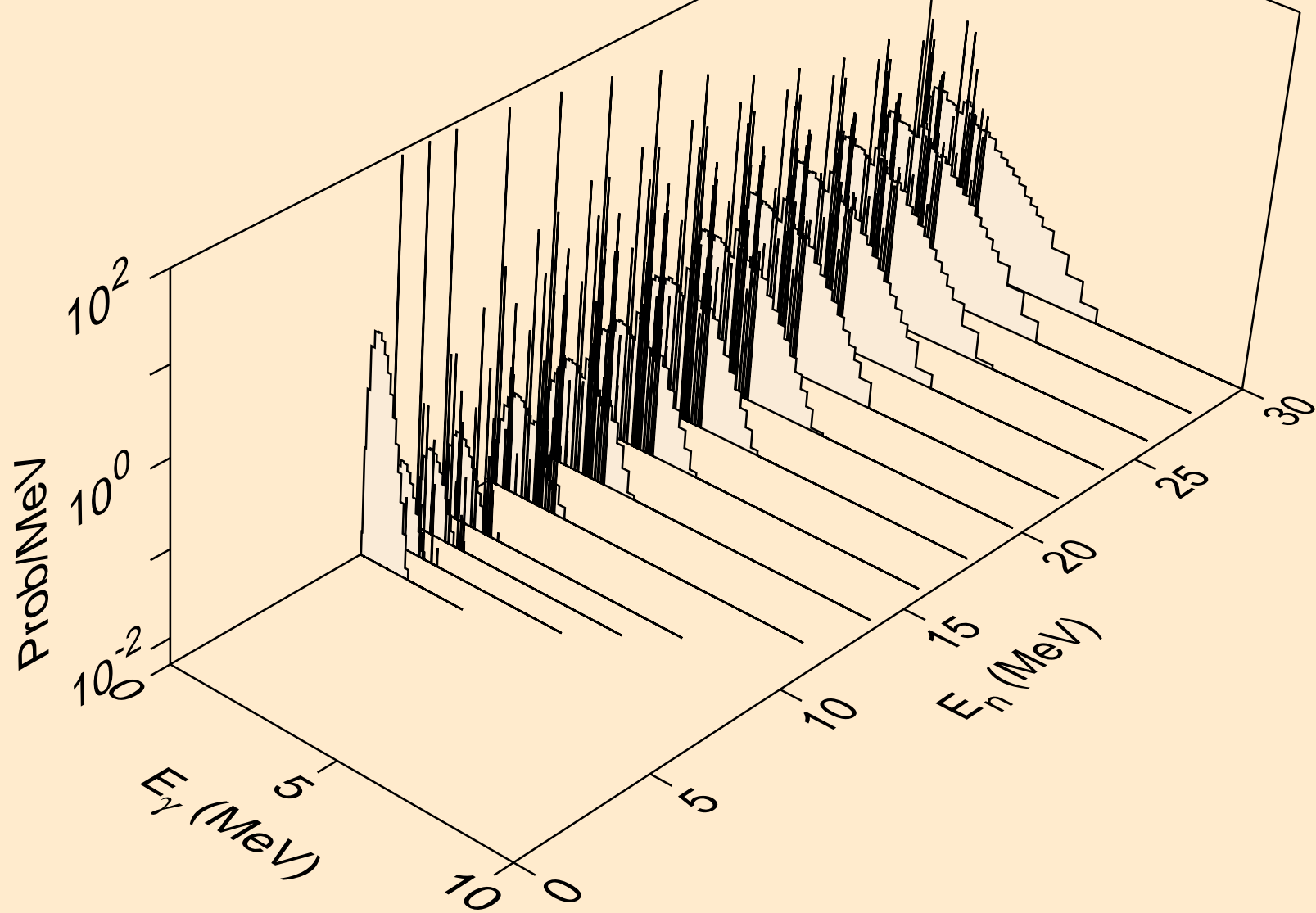




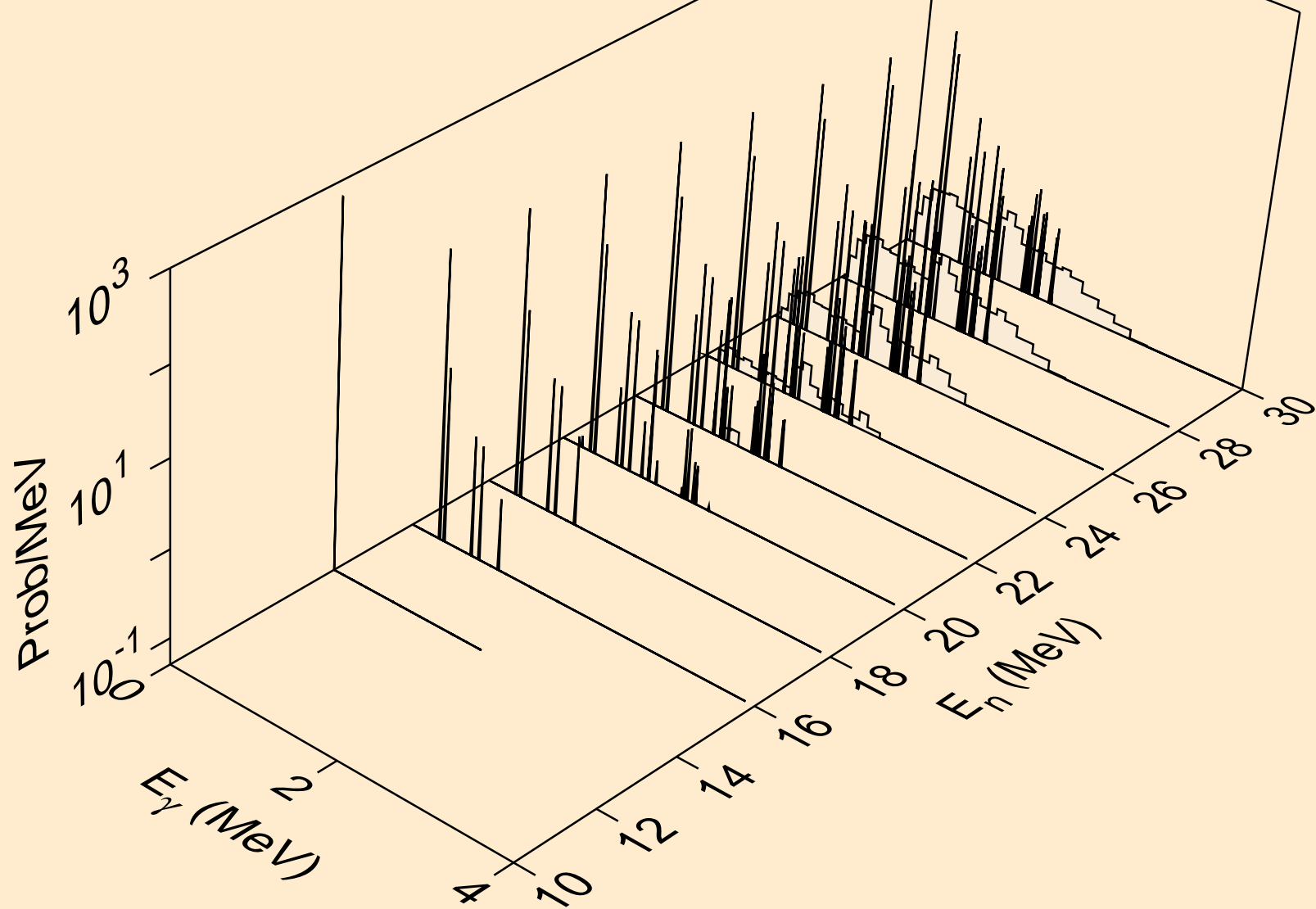
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Photon emission for (n,2p)



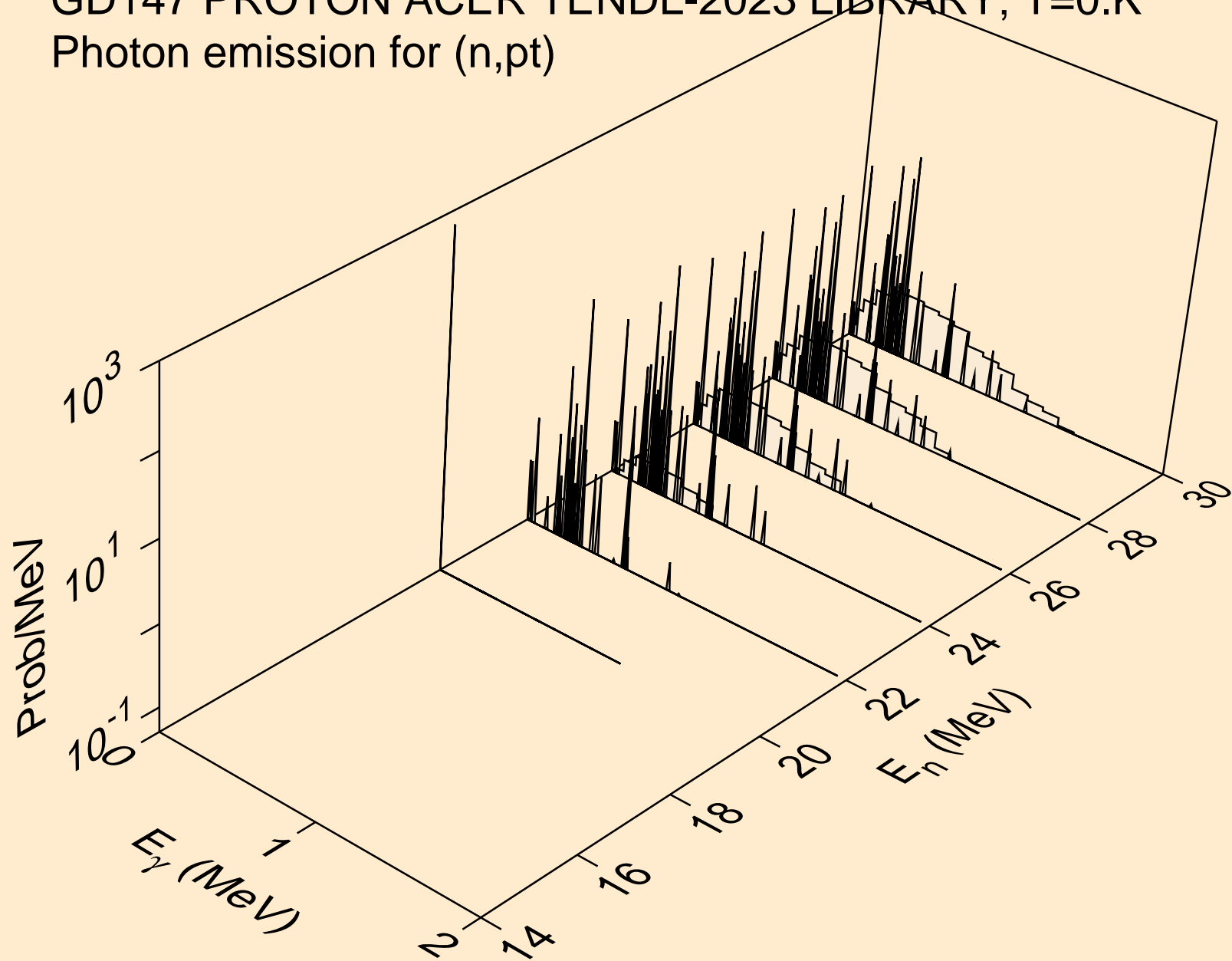
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Photon emission for (n,pa)



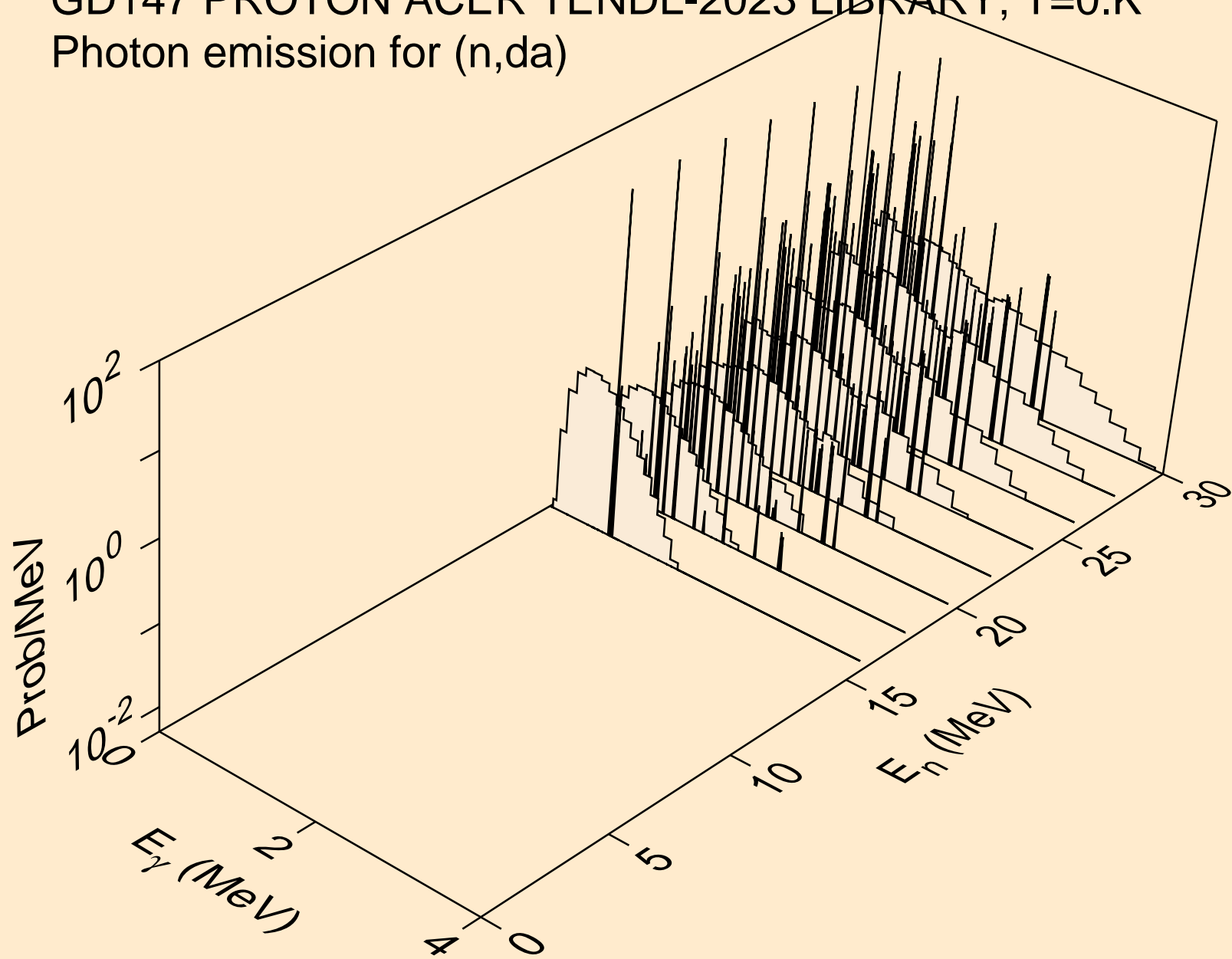
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Photon emission for (n,pd)



GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

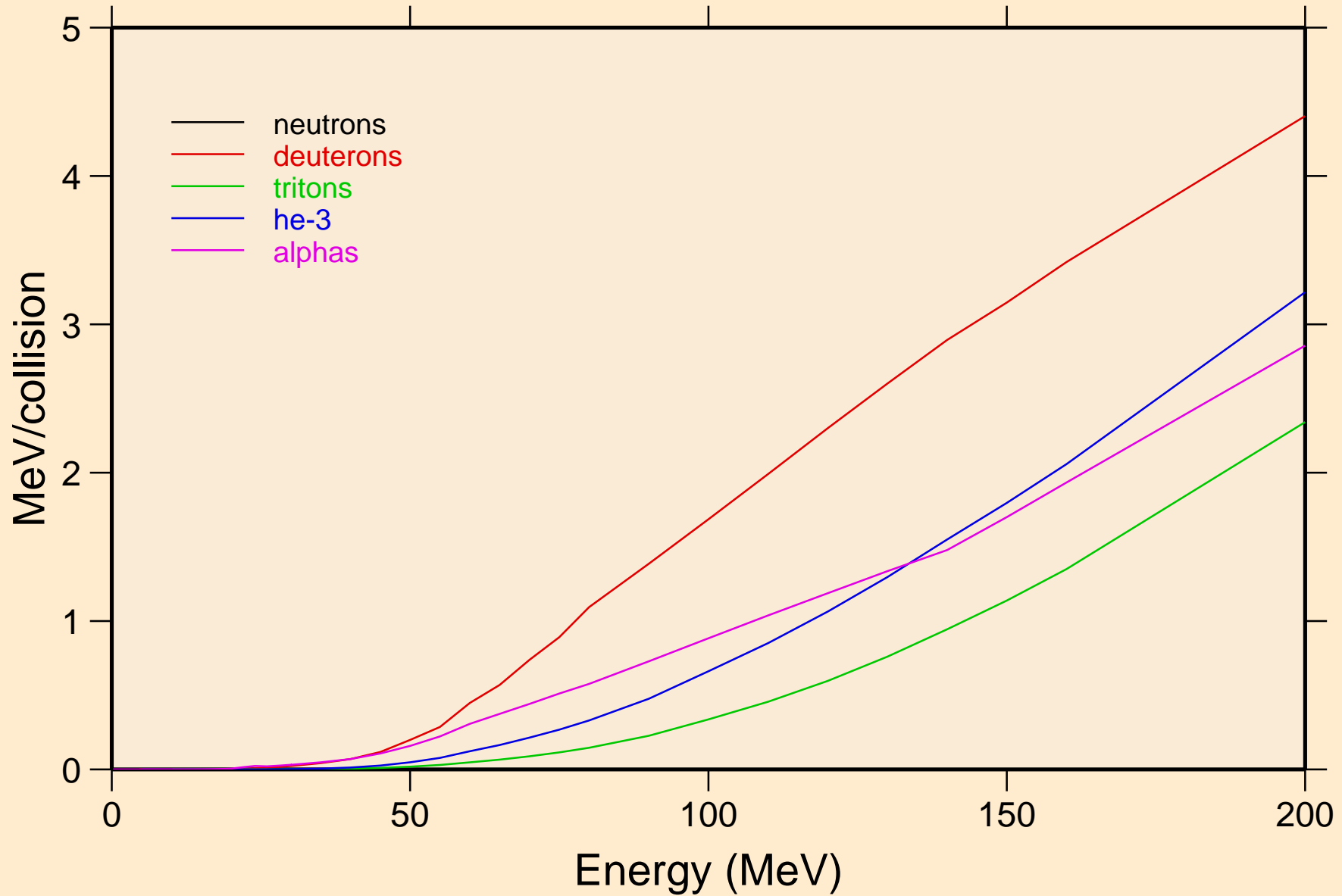


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Photon emission for (n,da)

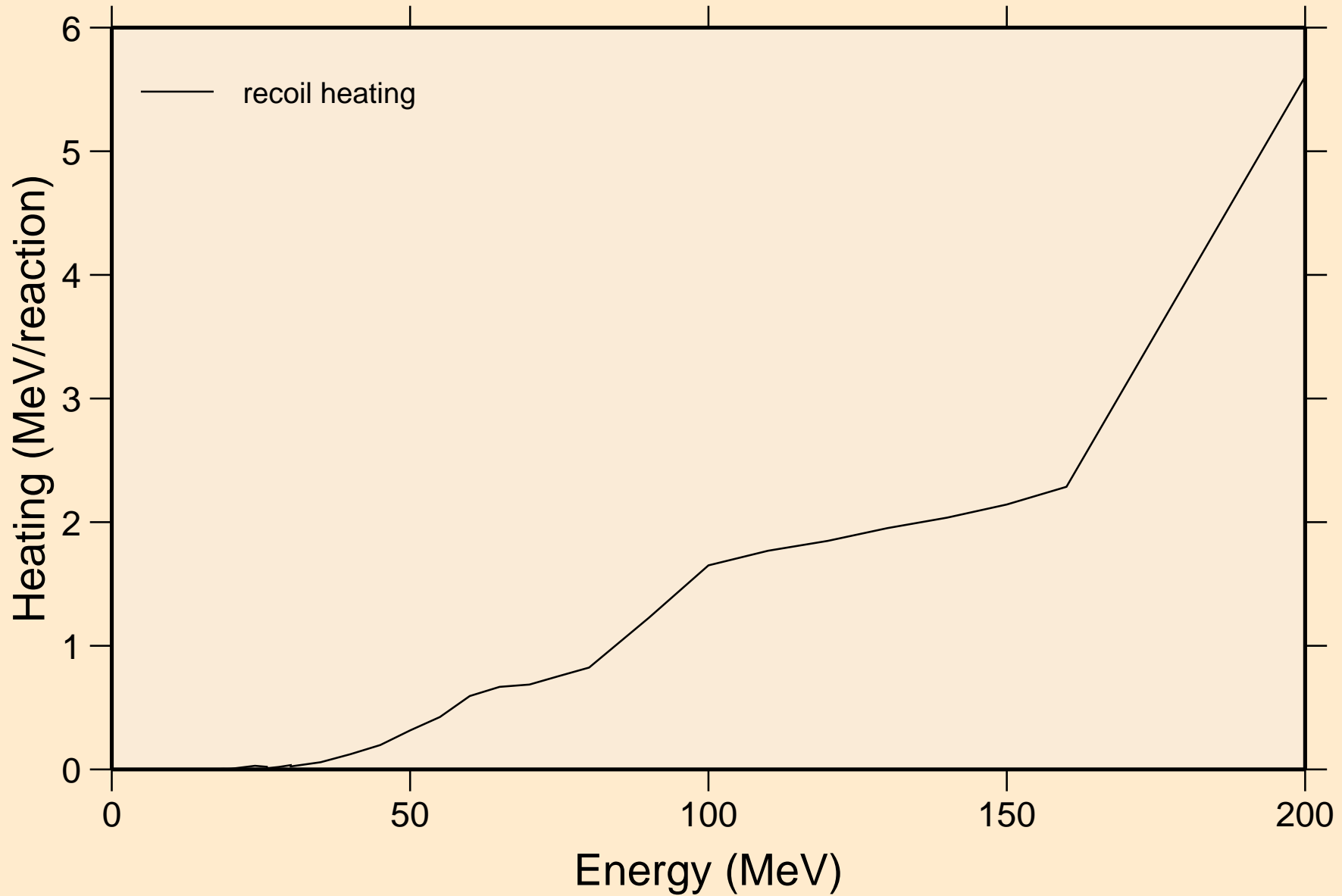


# GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

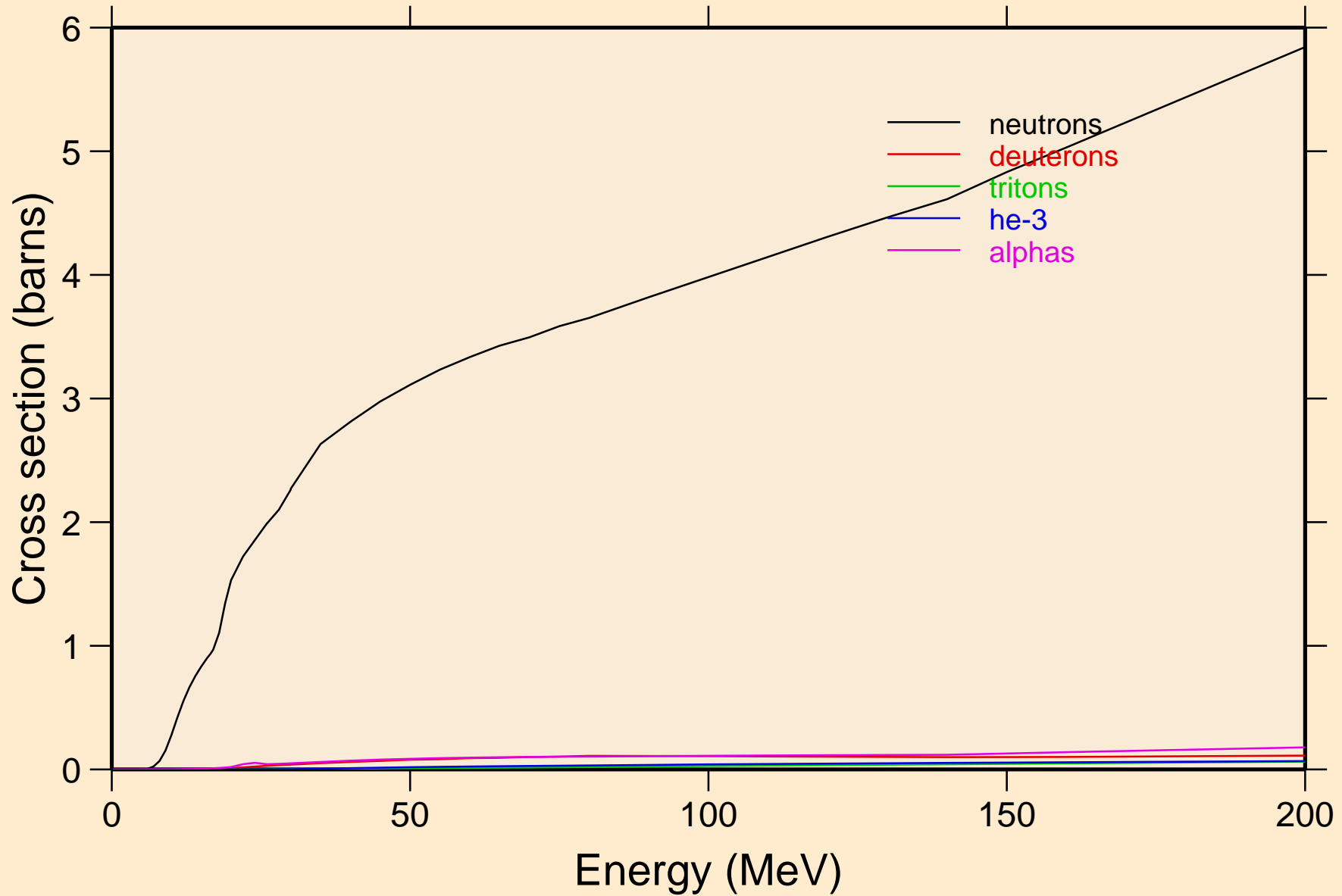


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Recoil Heating



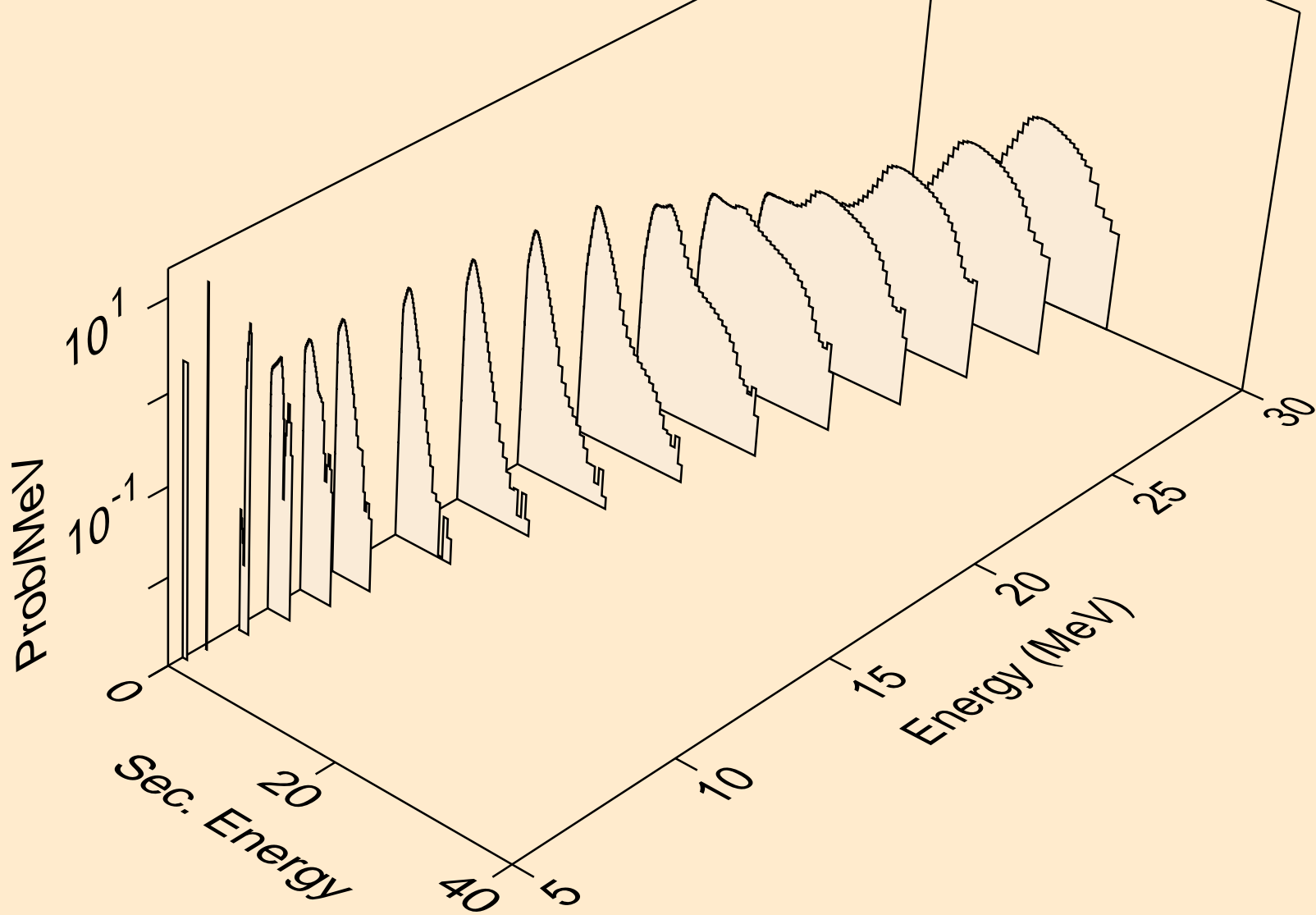
# GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Particle production cross sections

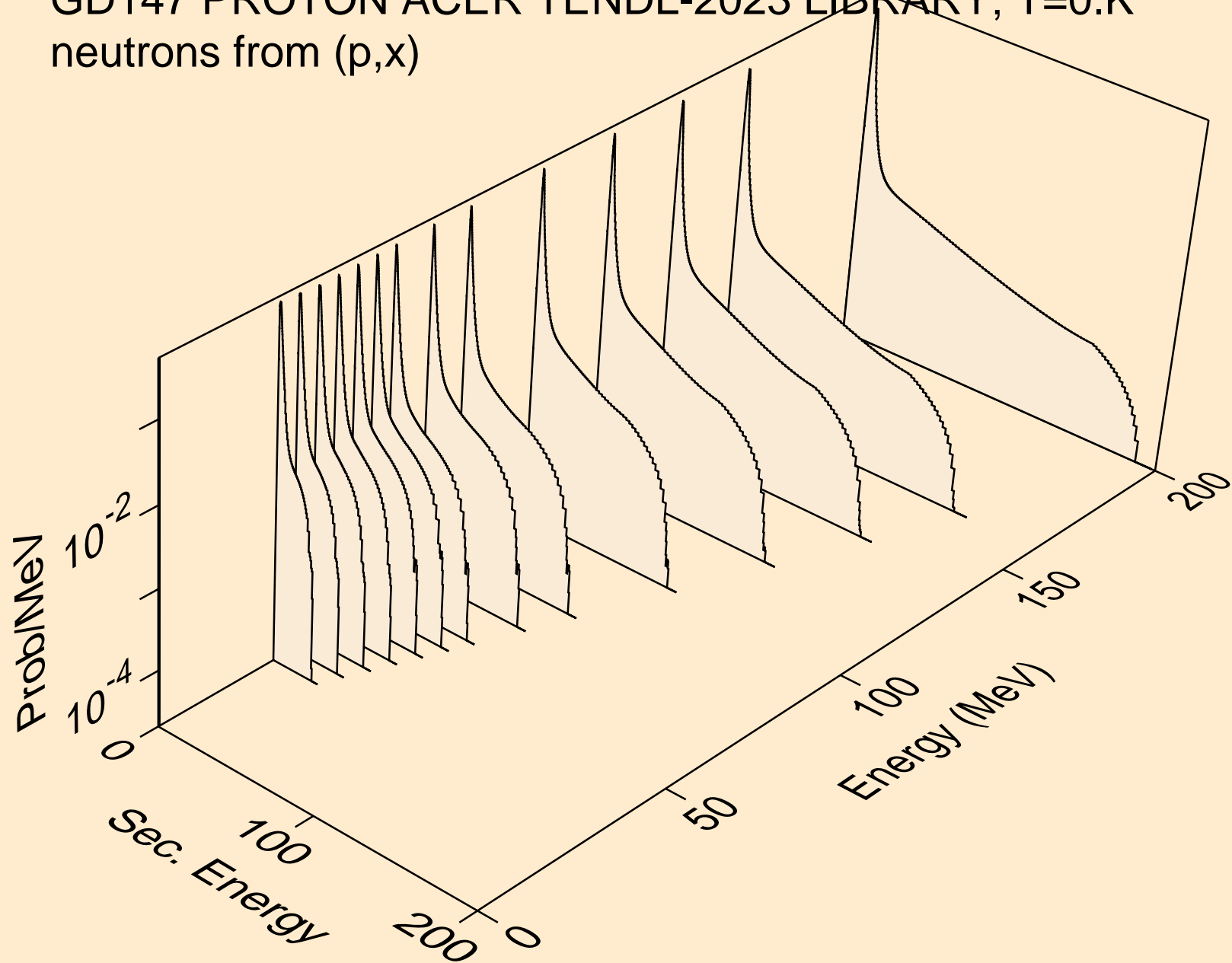




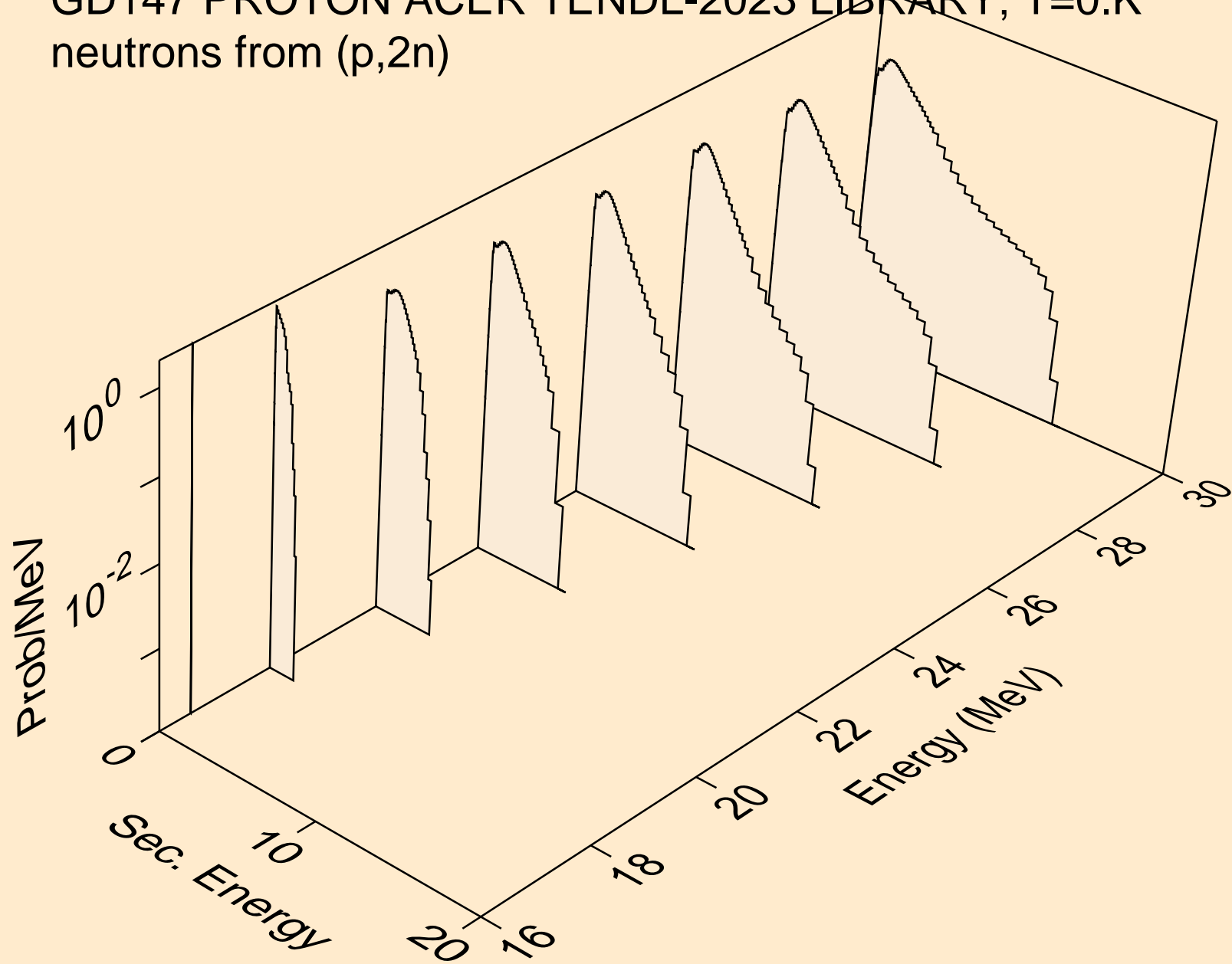
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neutrons from (p,n)



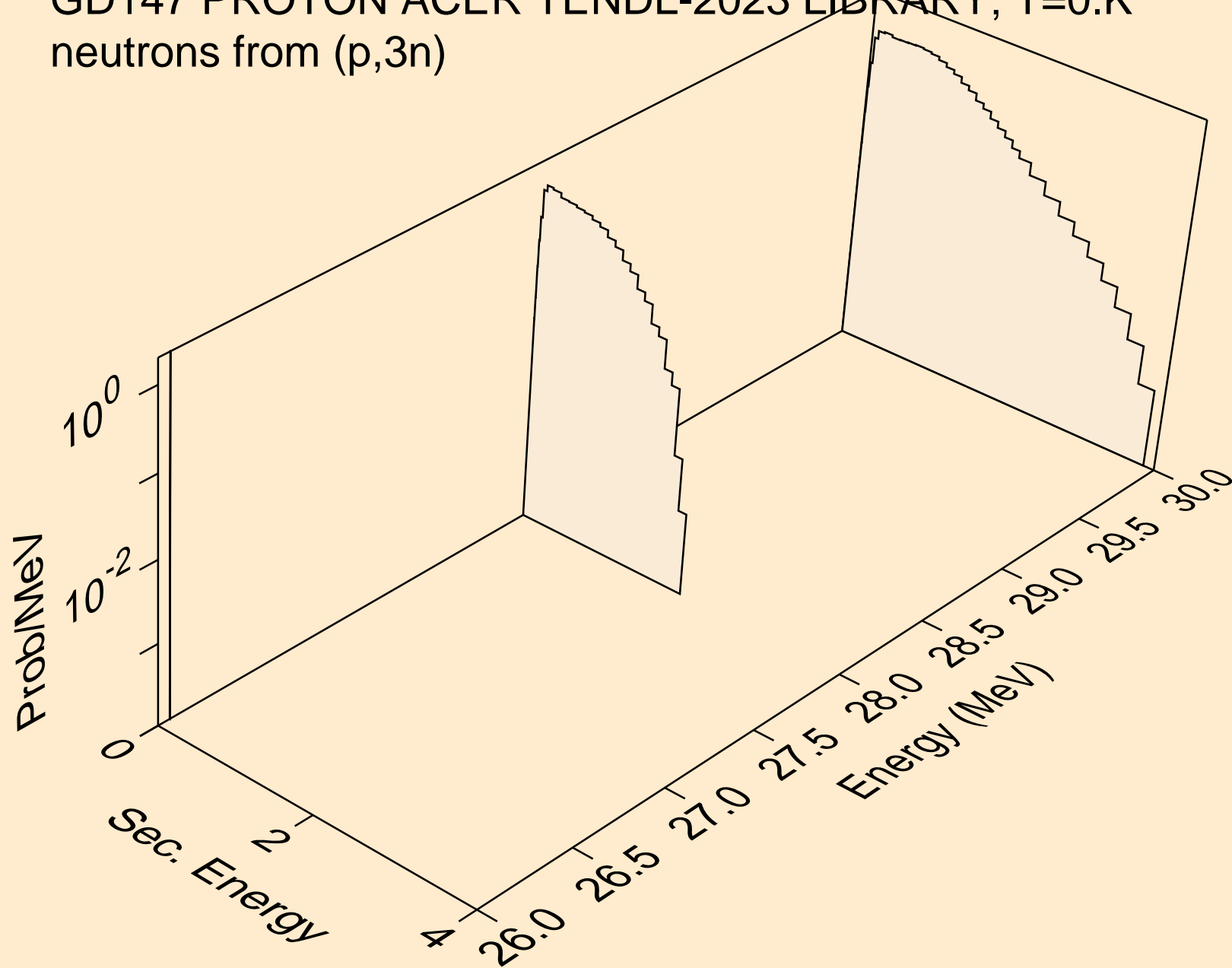
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neutrons from (p,x)



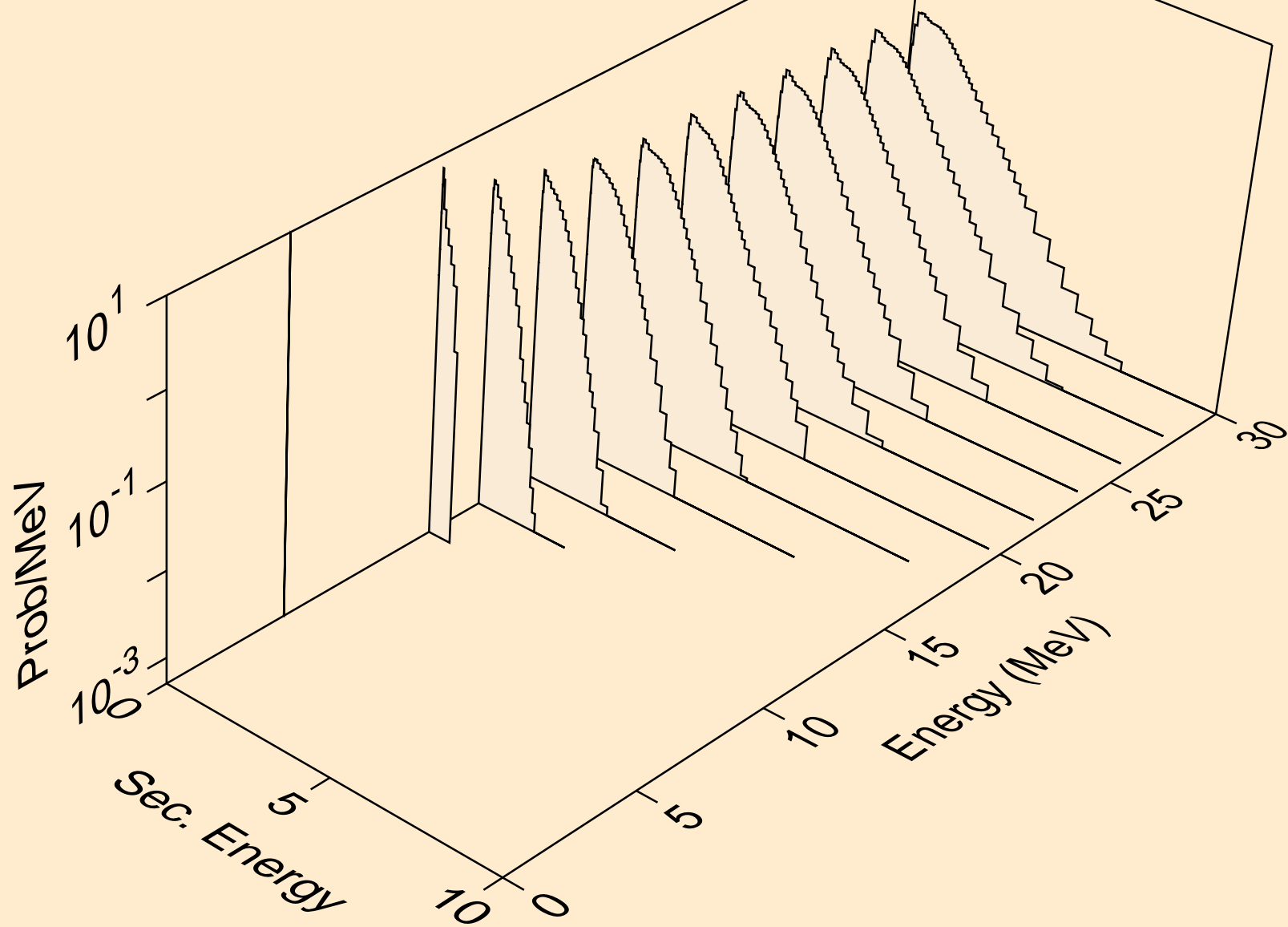
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neutrons from (p,2n)



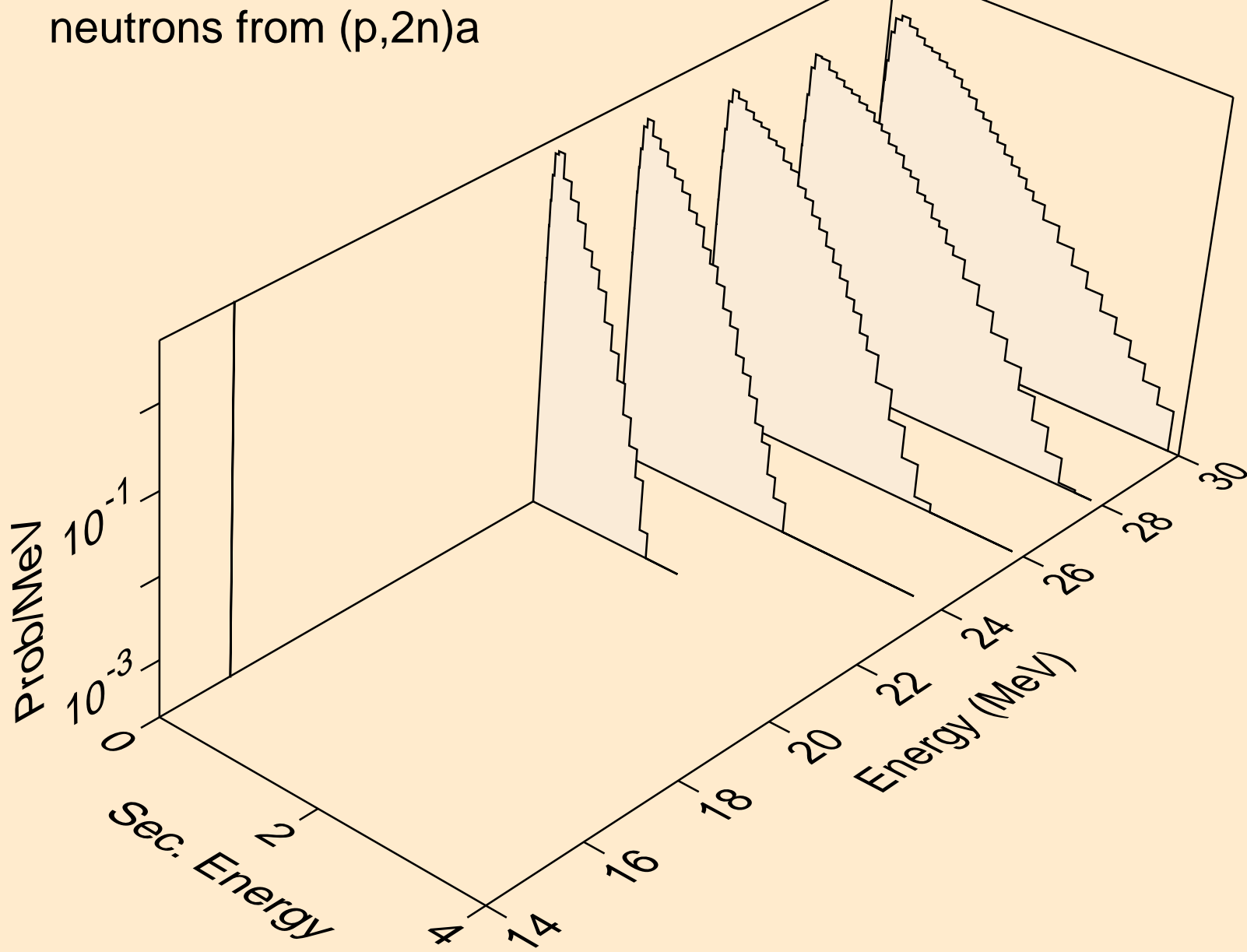
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neutrons from (p,3n)



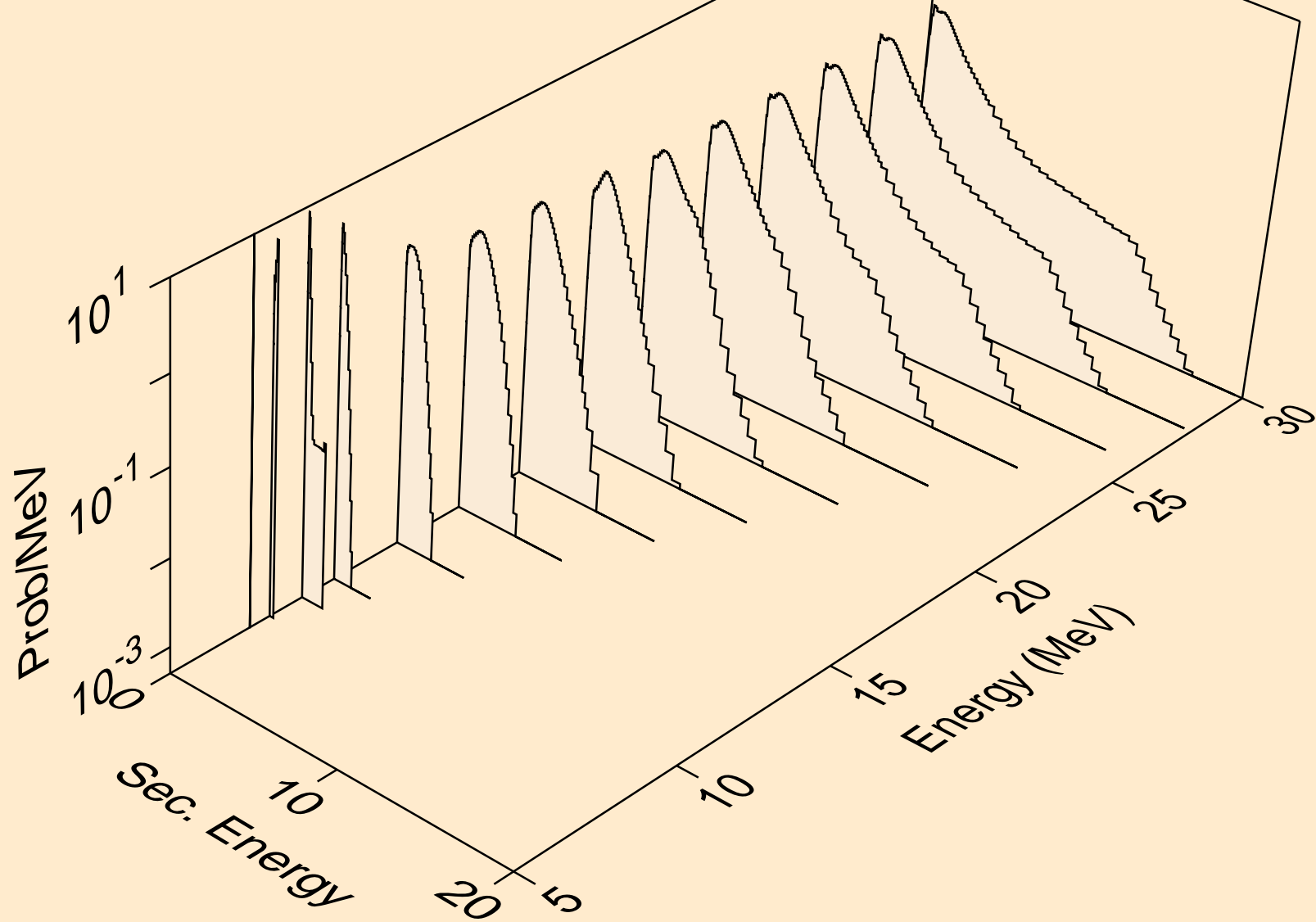
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neutrons from (p,n\*)a



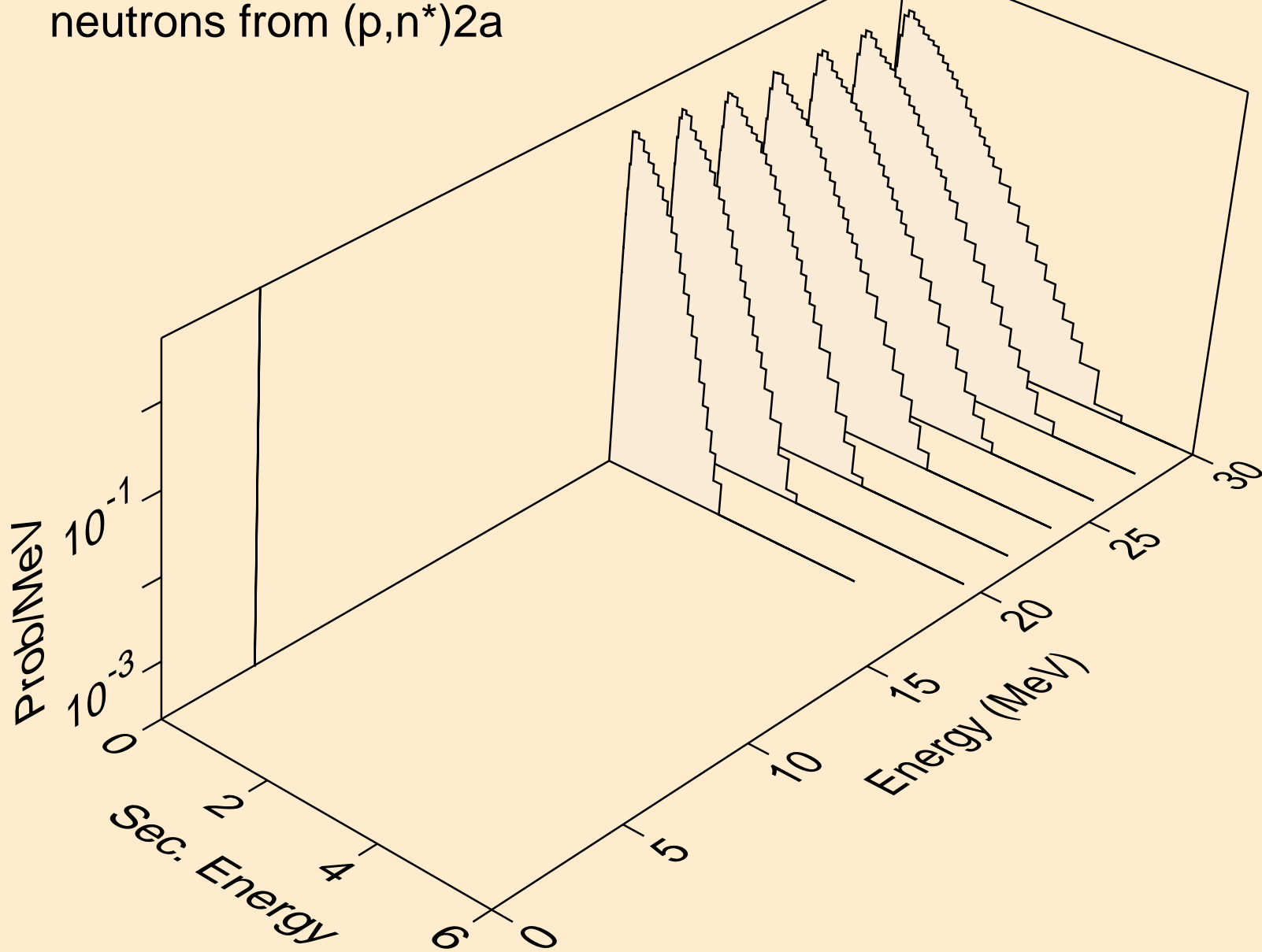
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neutrons from (p,2n)a



GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
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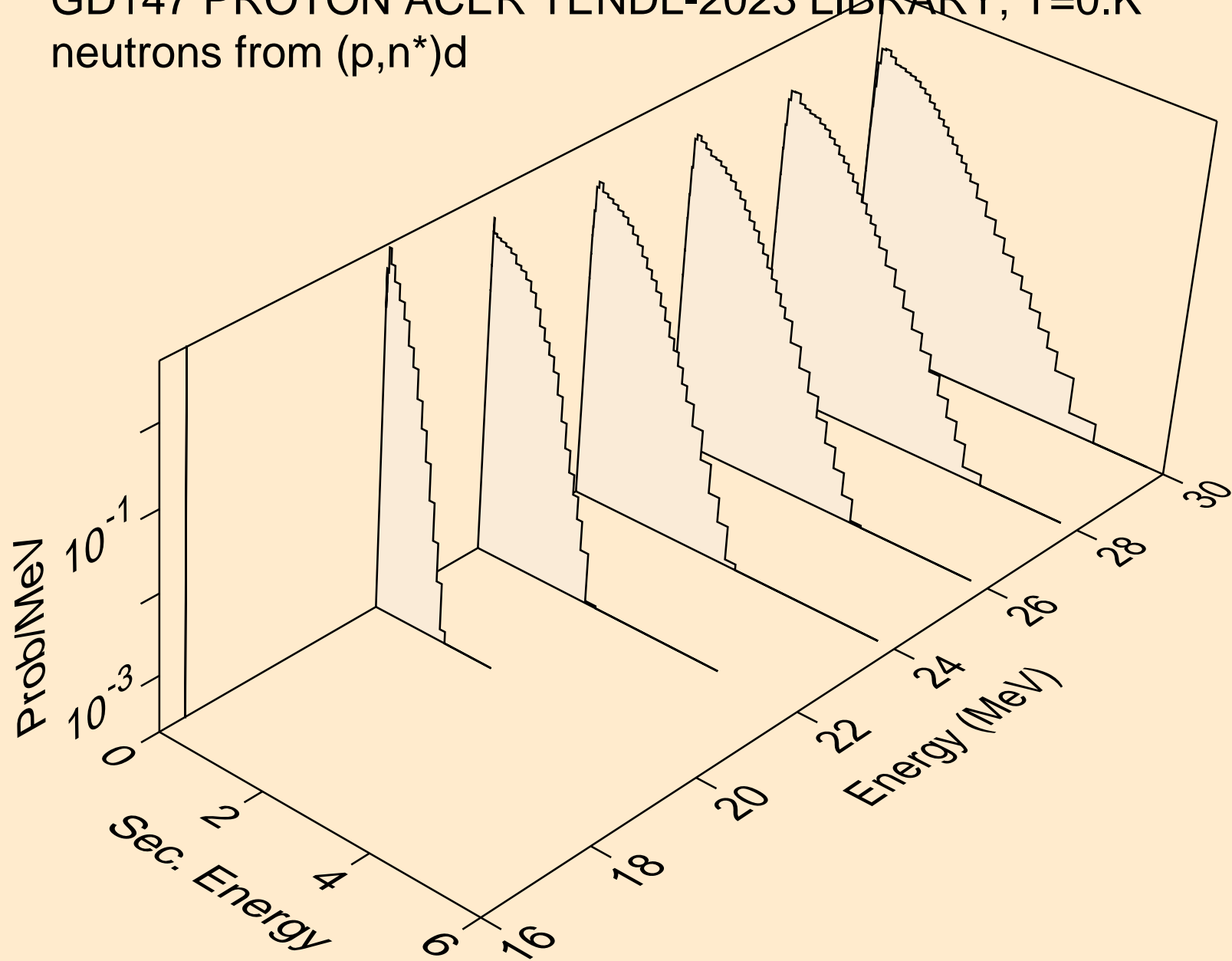


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neutrons from (p,n\*)2a

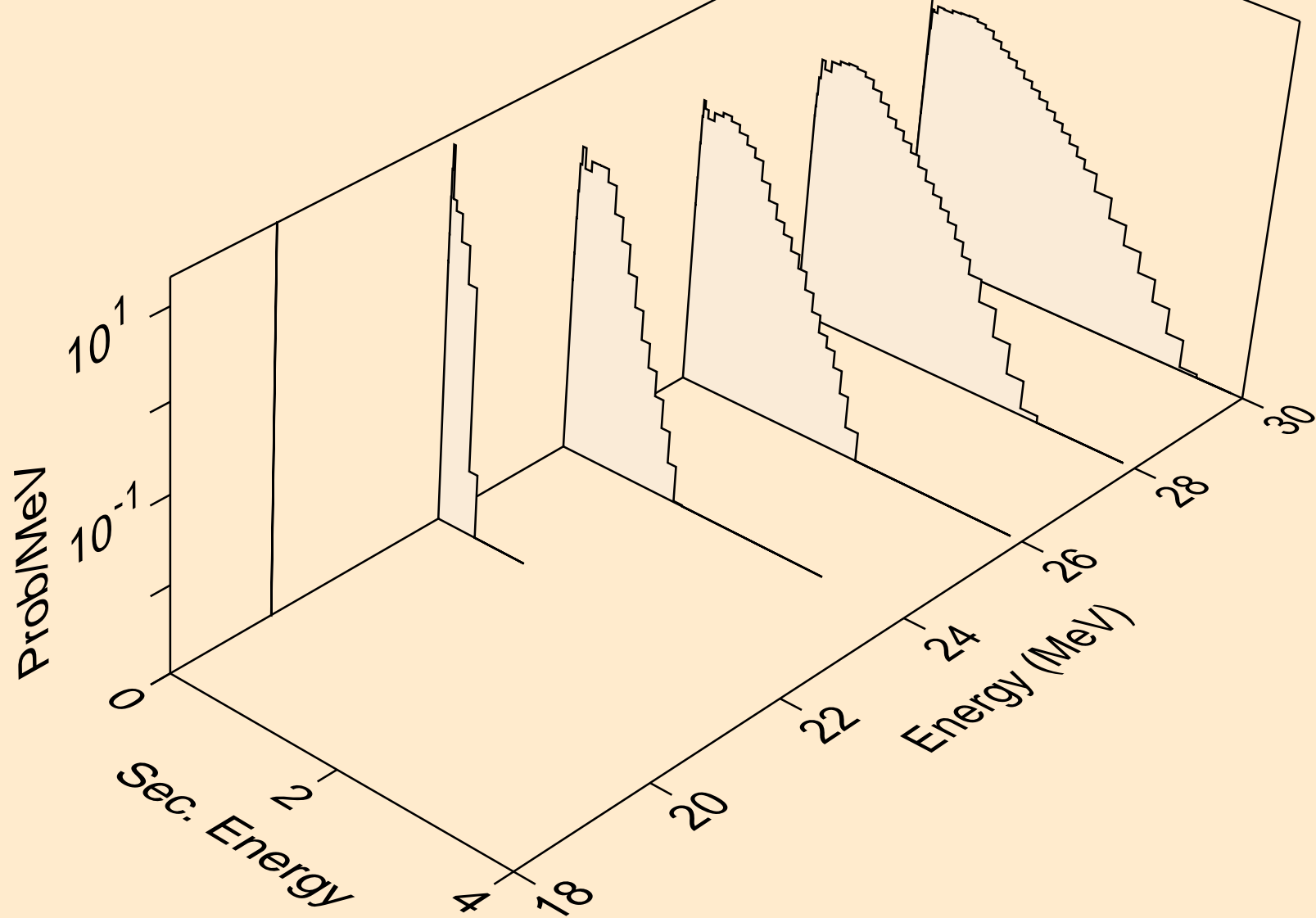




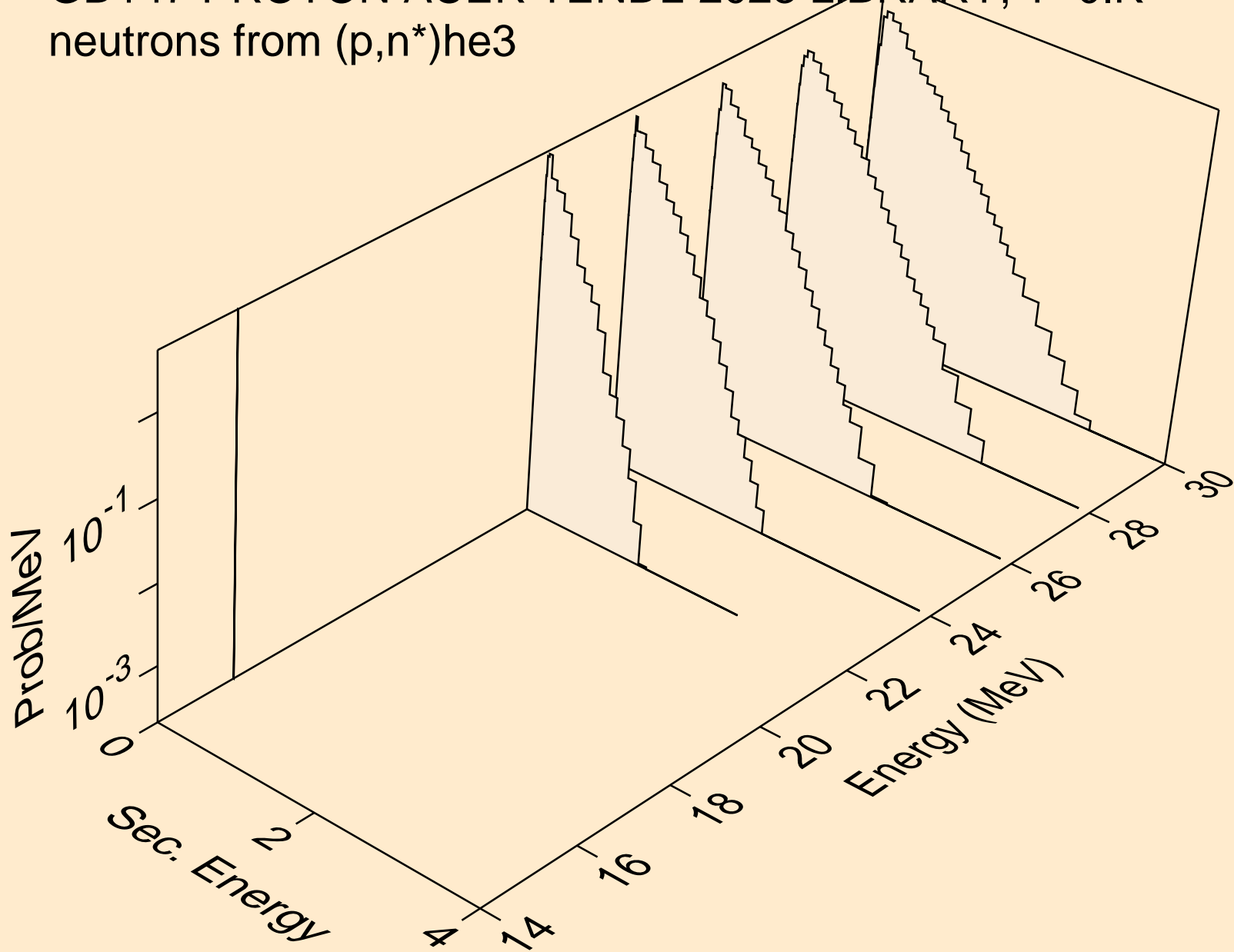
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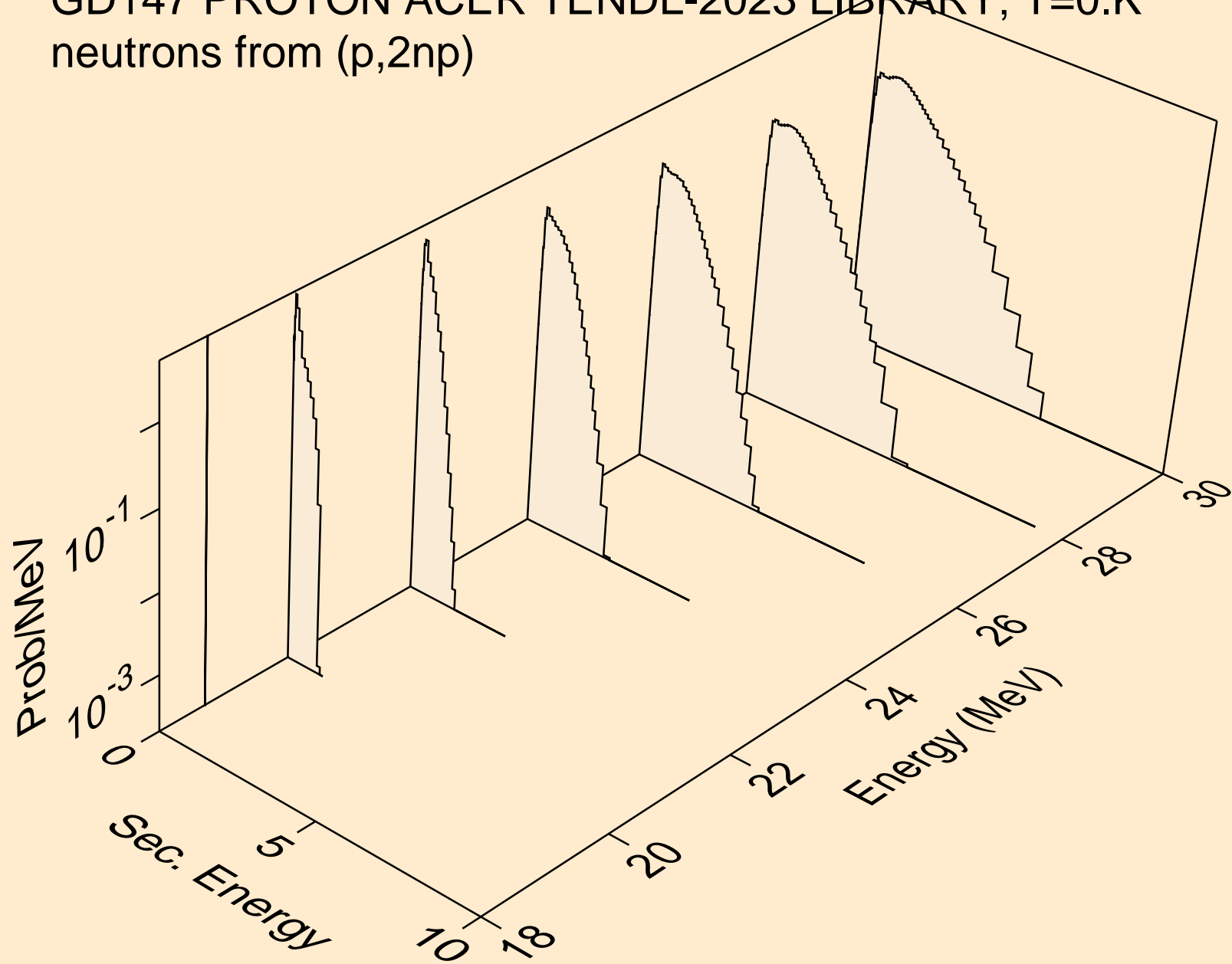
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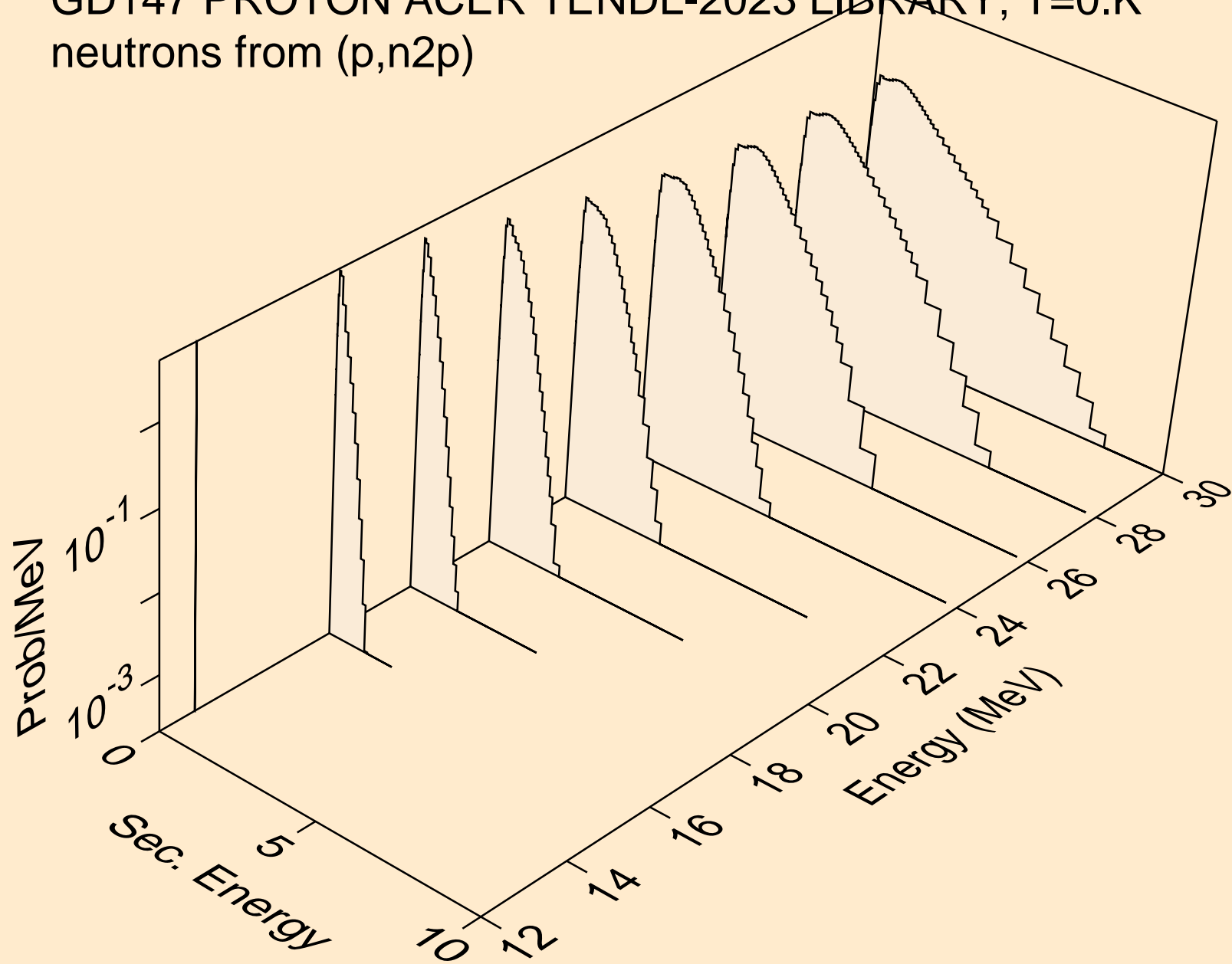
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neutrons from (p,n\*)he3



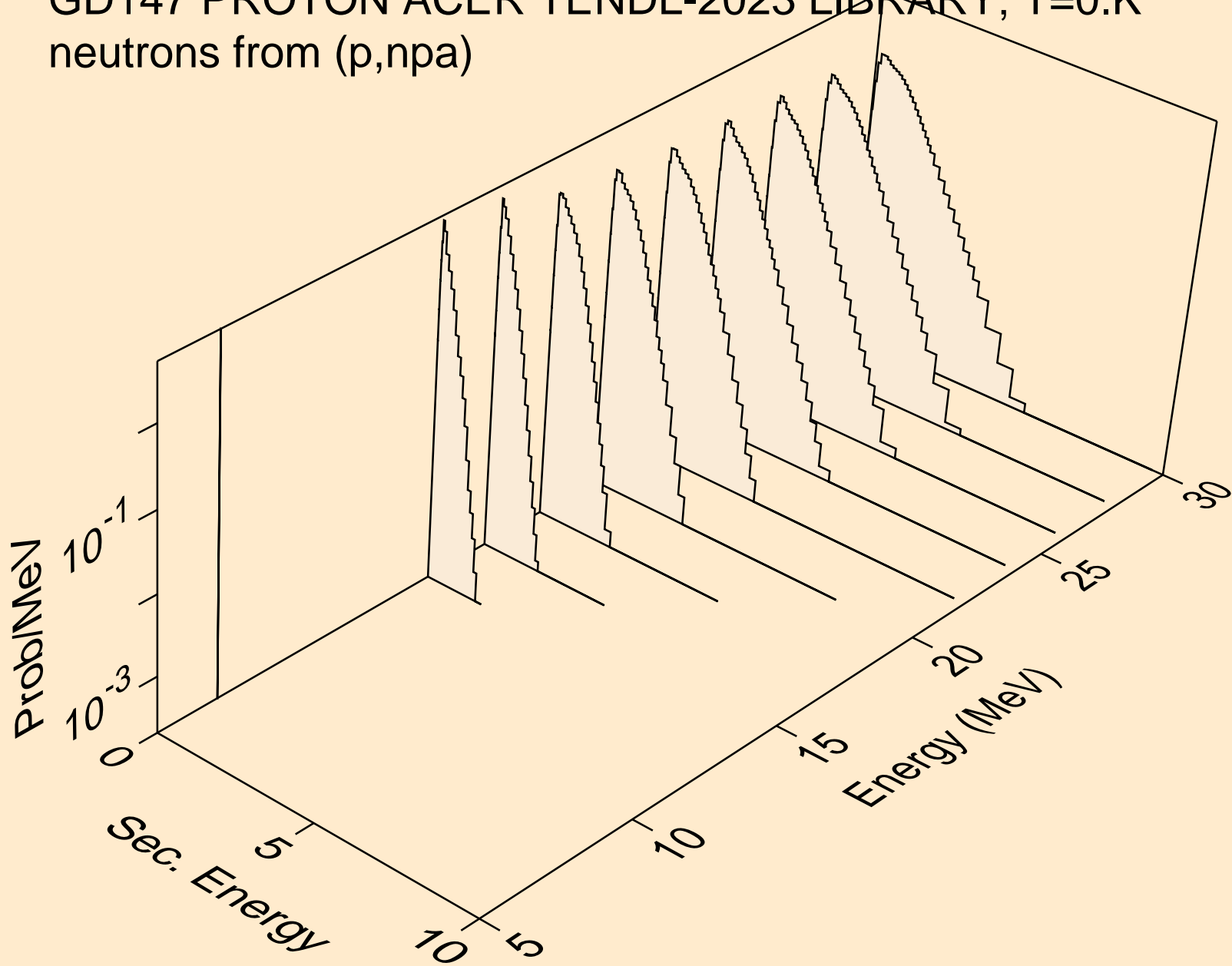
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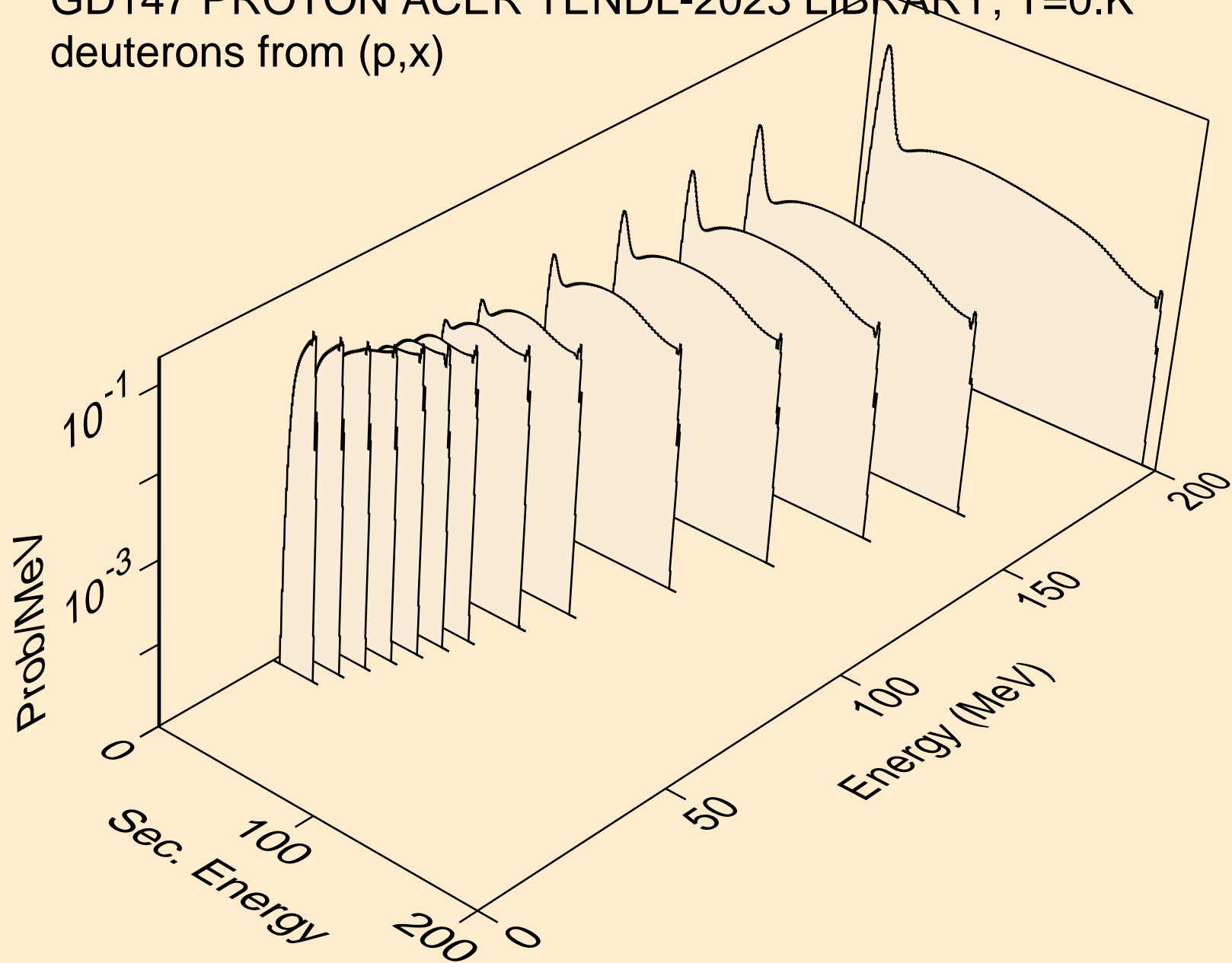
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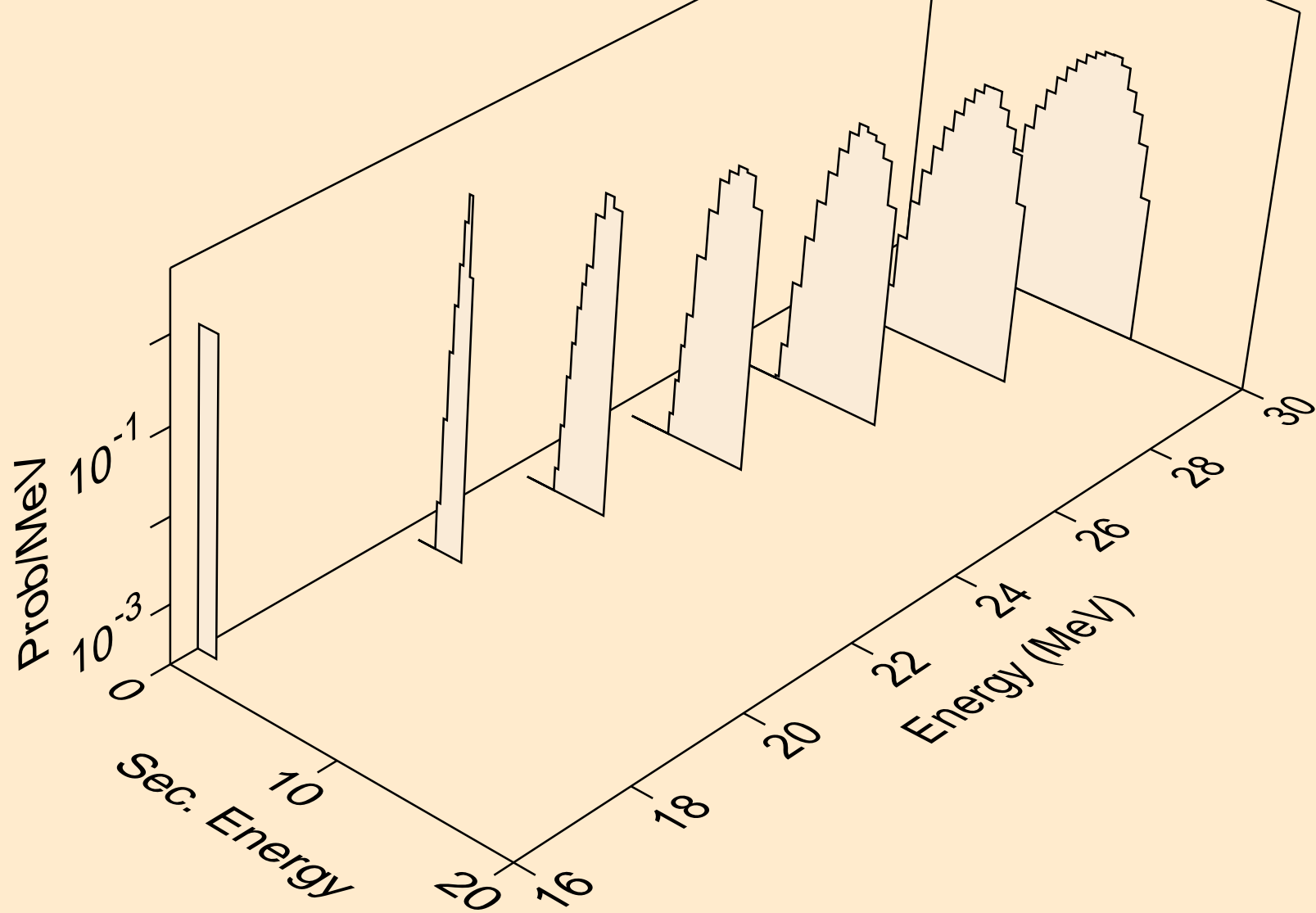
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neutrons from (p,npa)



GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
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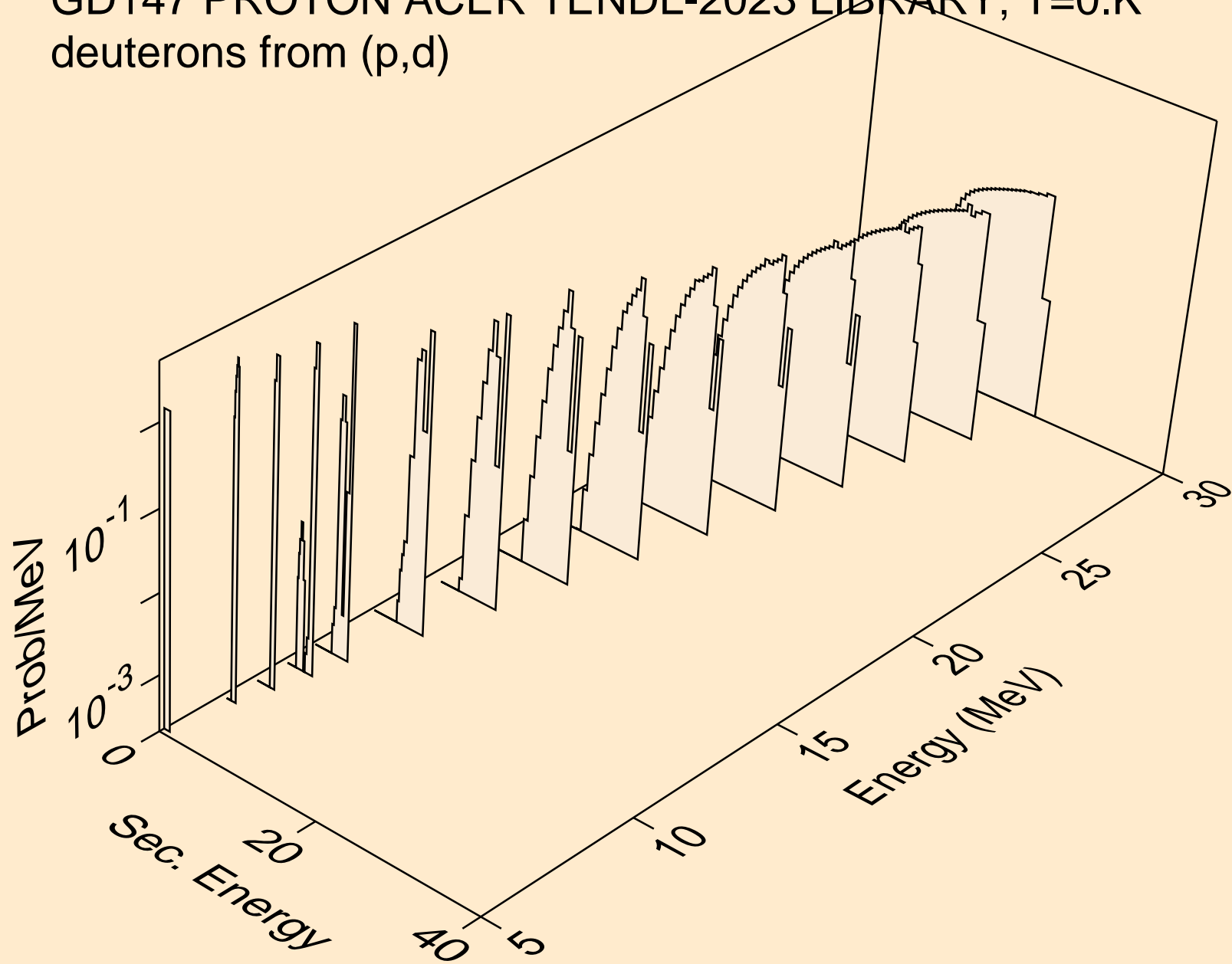


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deuterons from (p,n\*)d

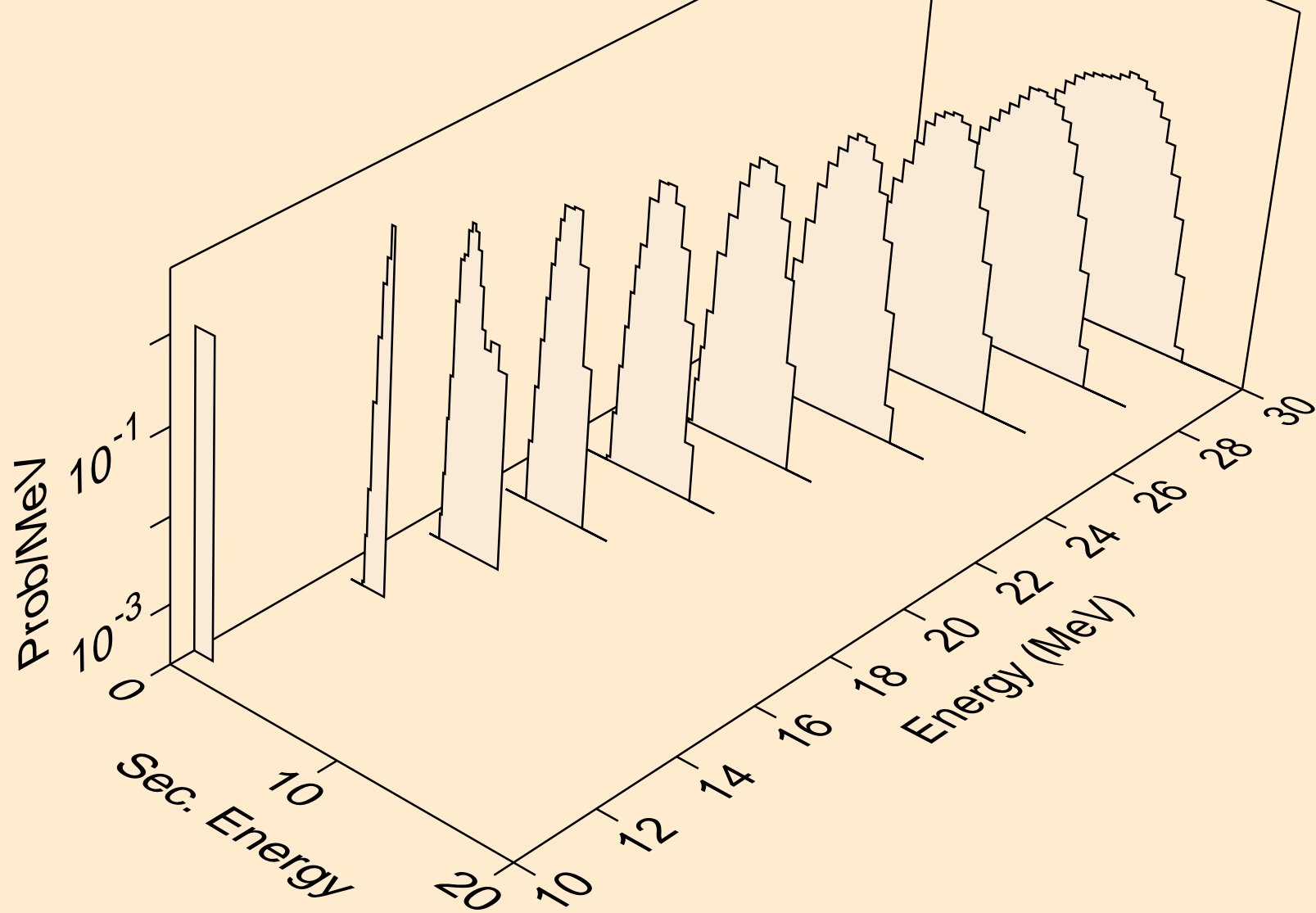




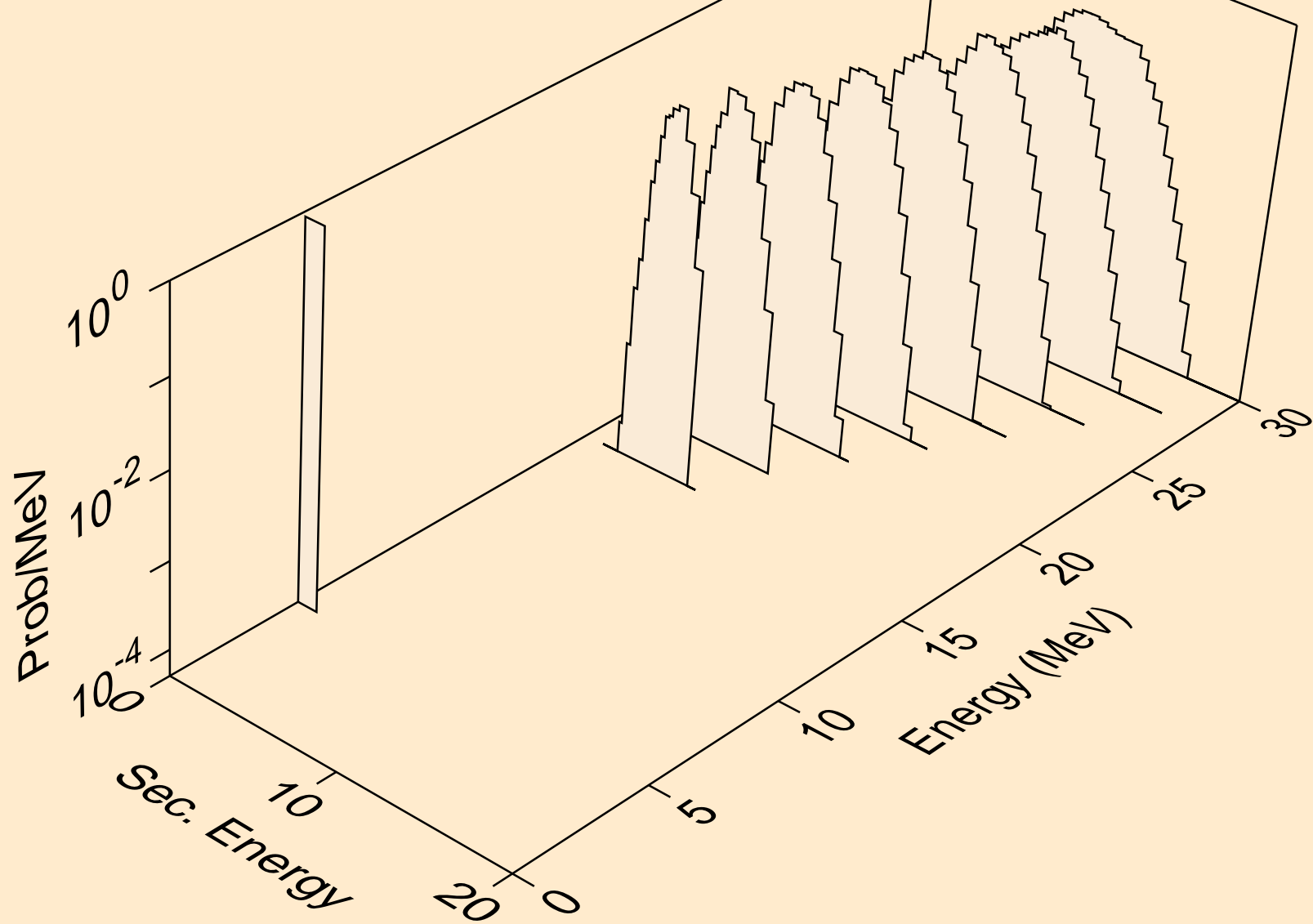
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deuterons from (p,d)



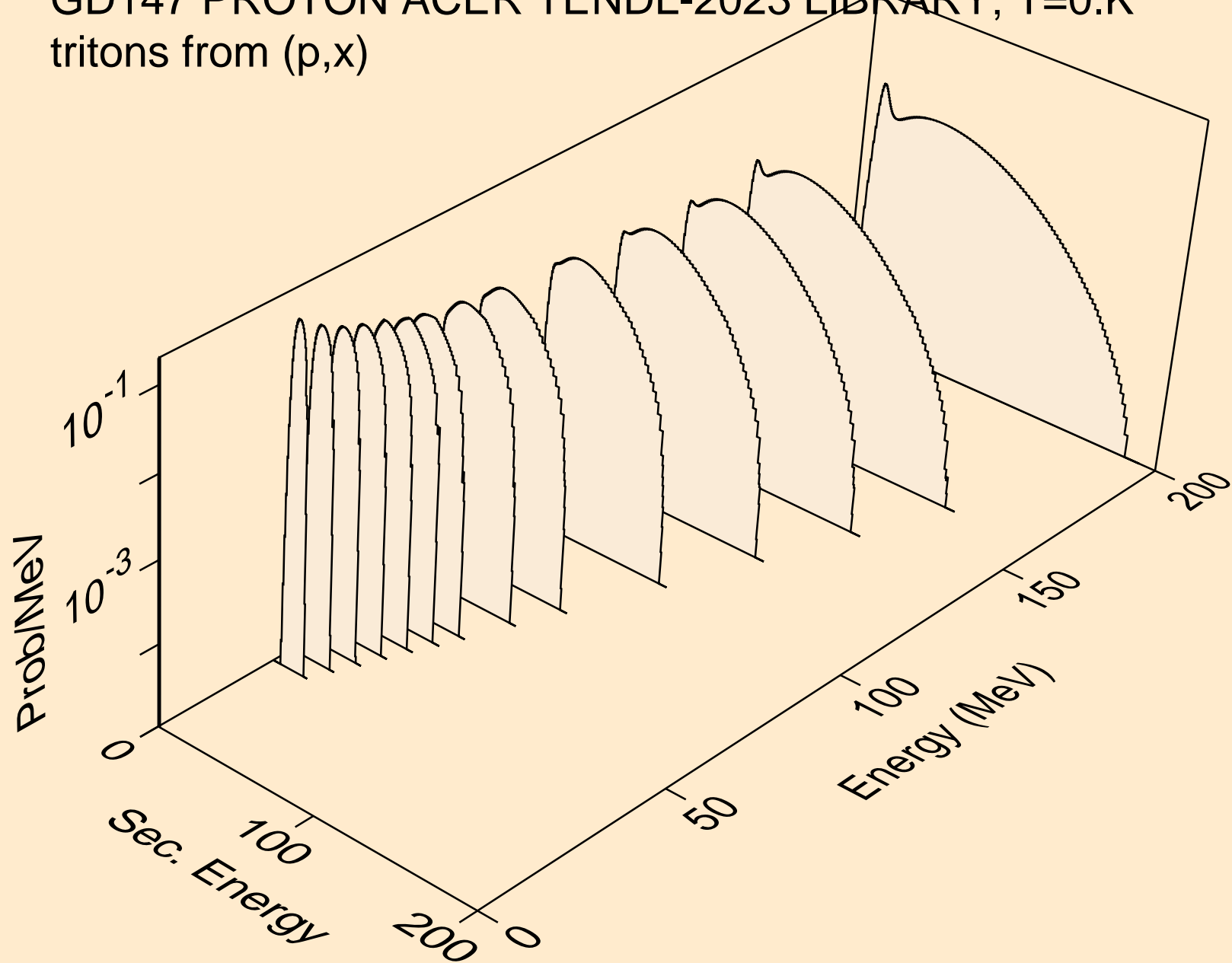
GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,pd)



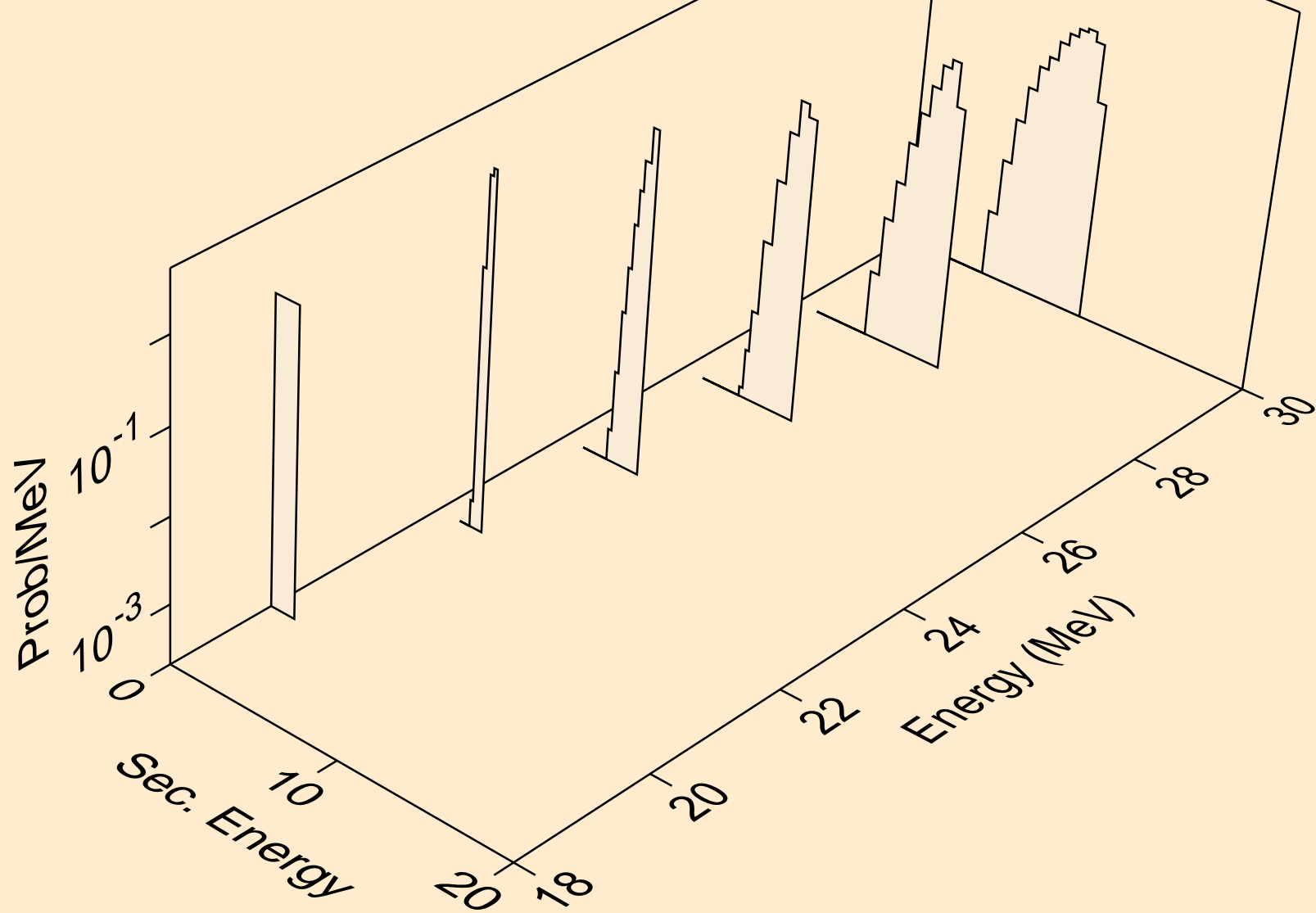
GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,da)



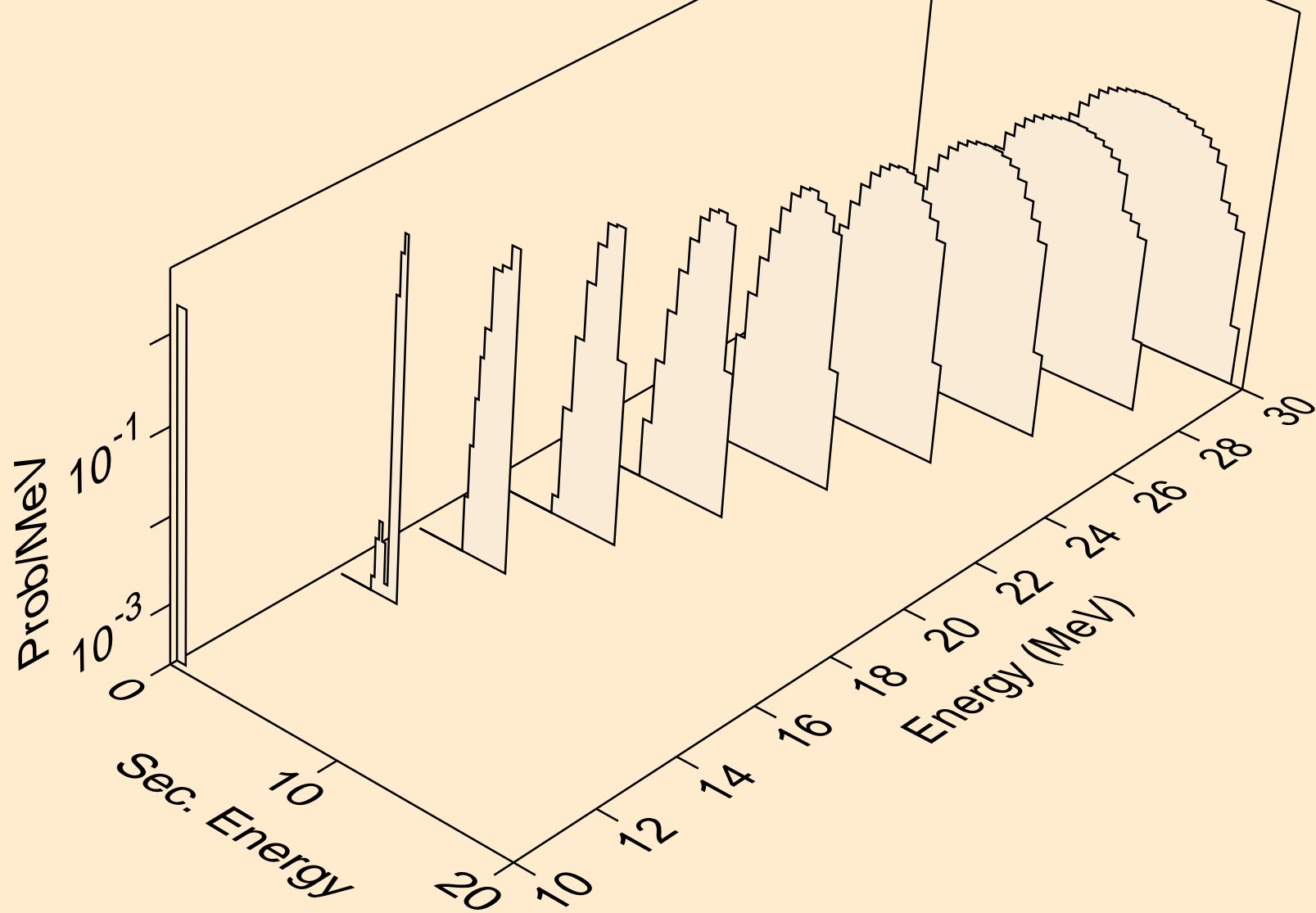
GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,x)



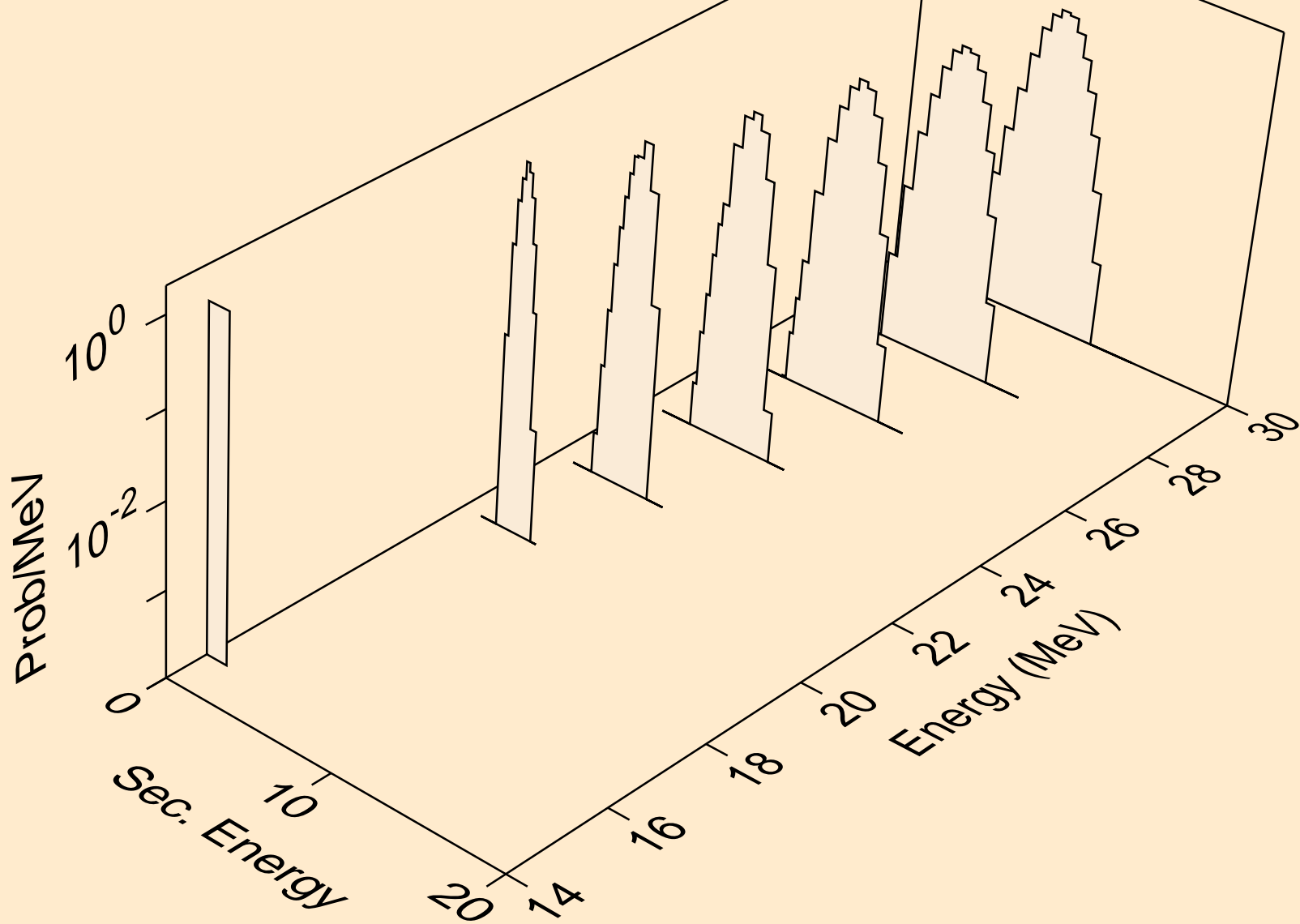
GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,n\*)t



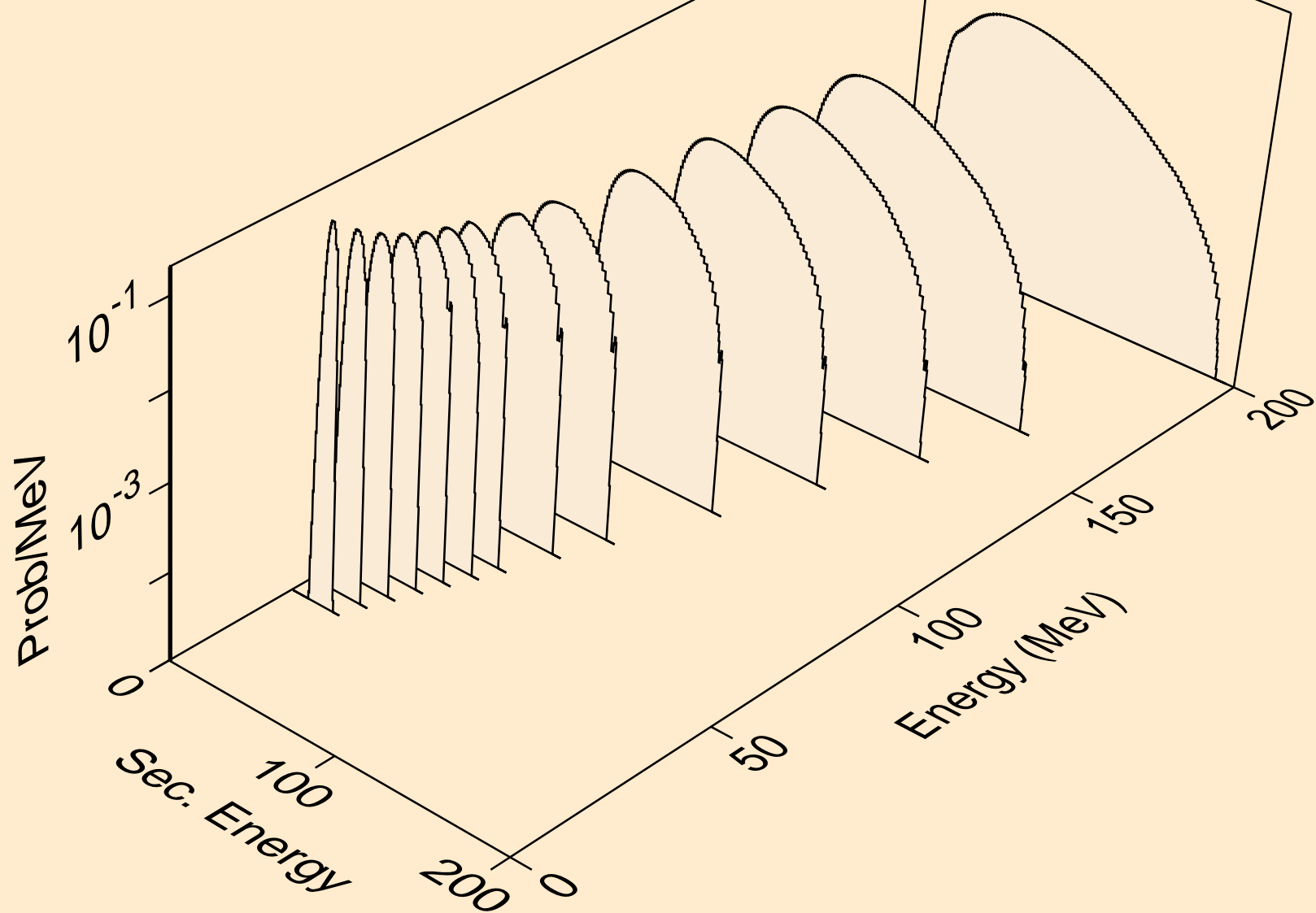
GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,t)



GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,pt)

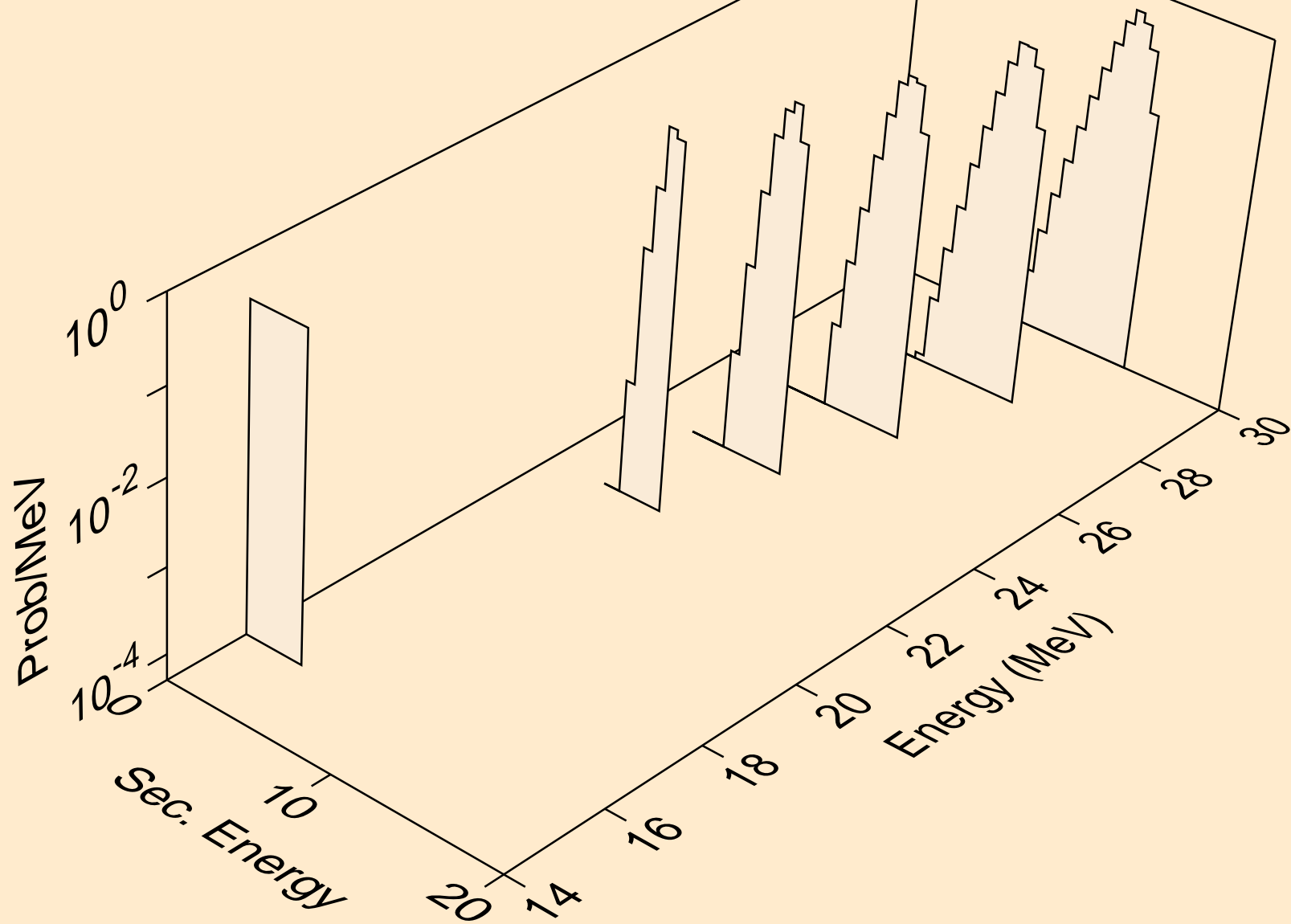


GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,x)

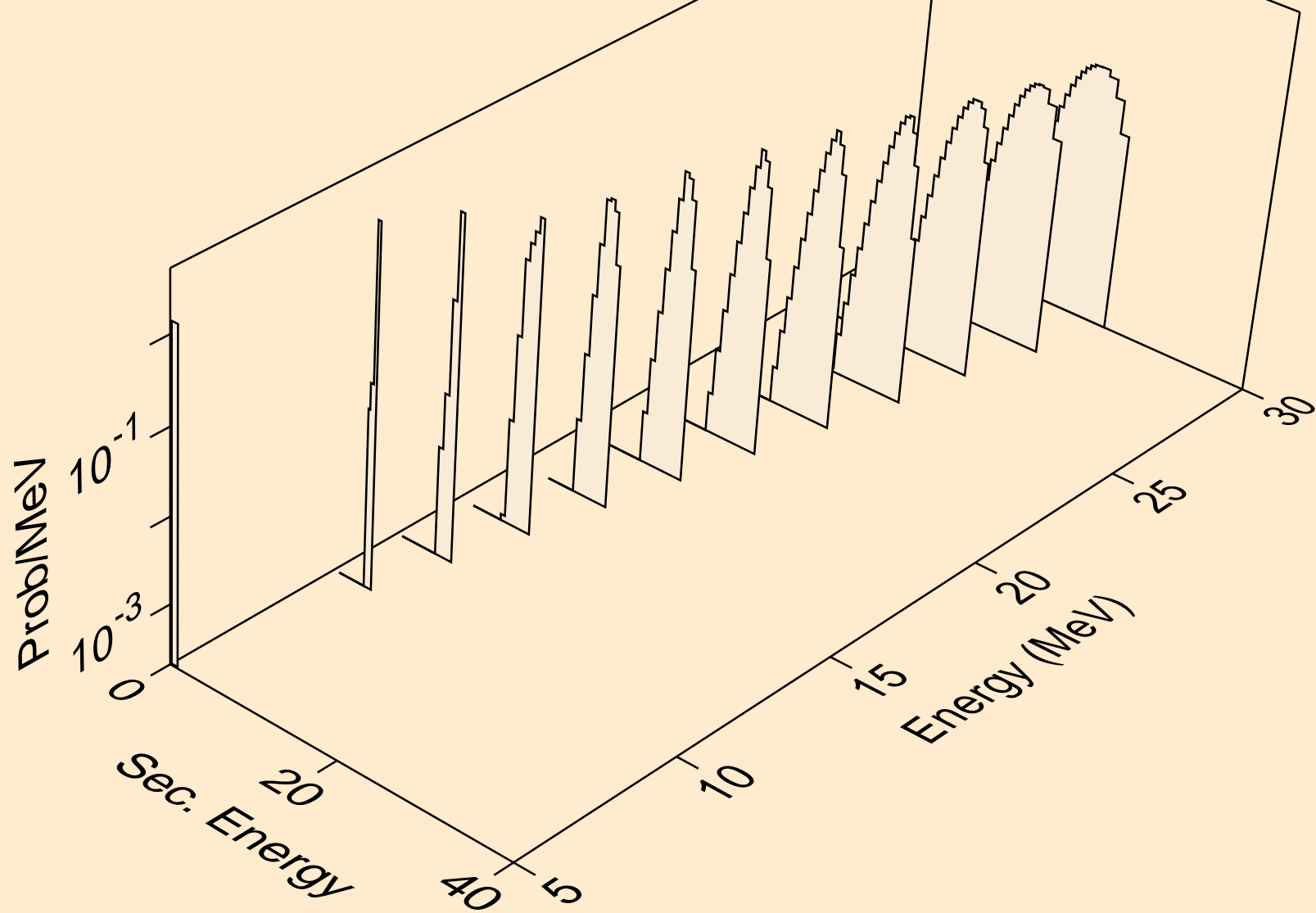




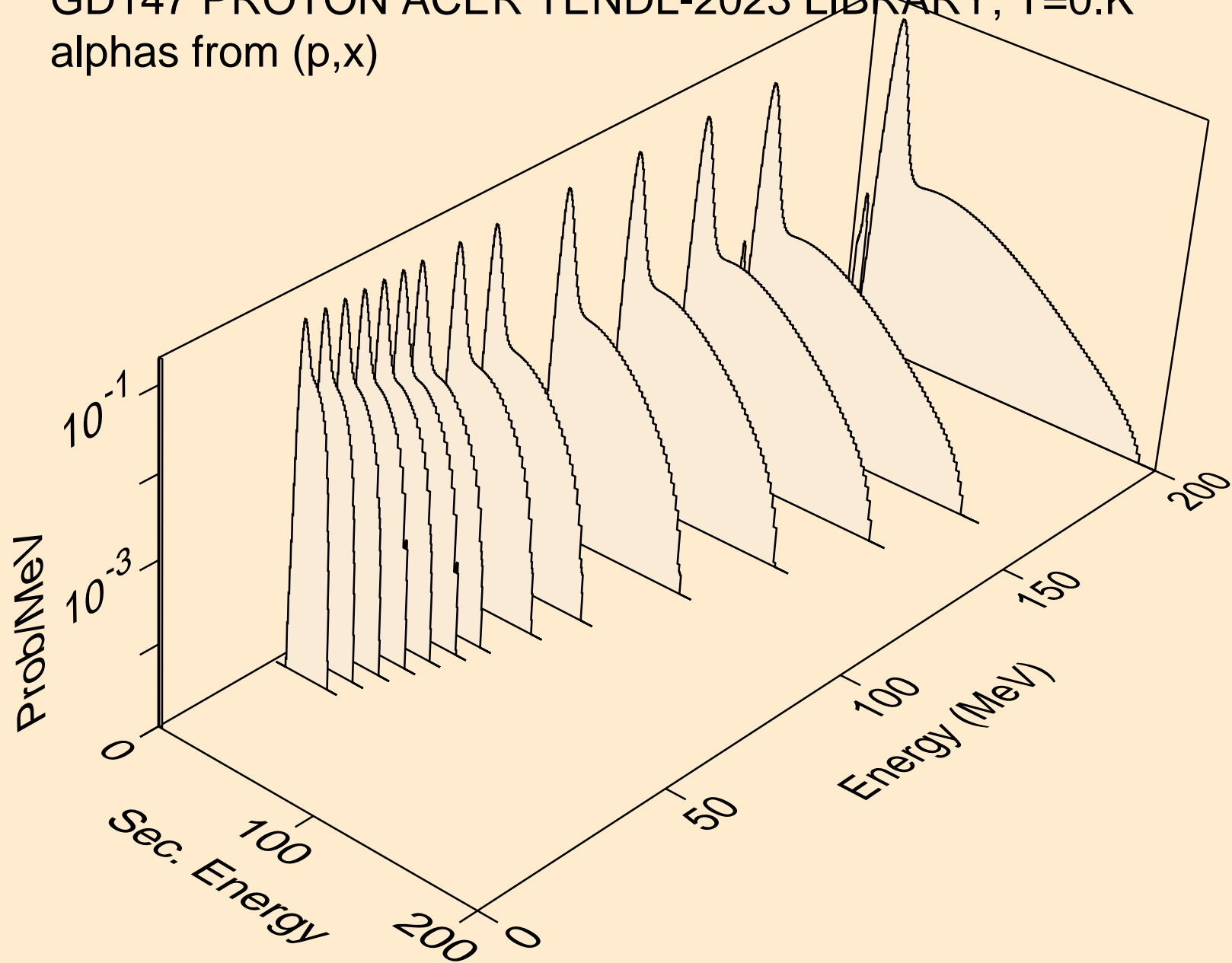
GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,n\*)he3



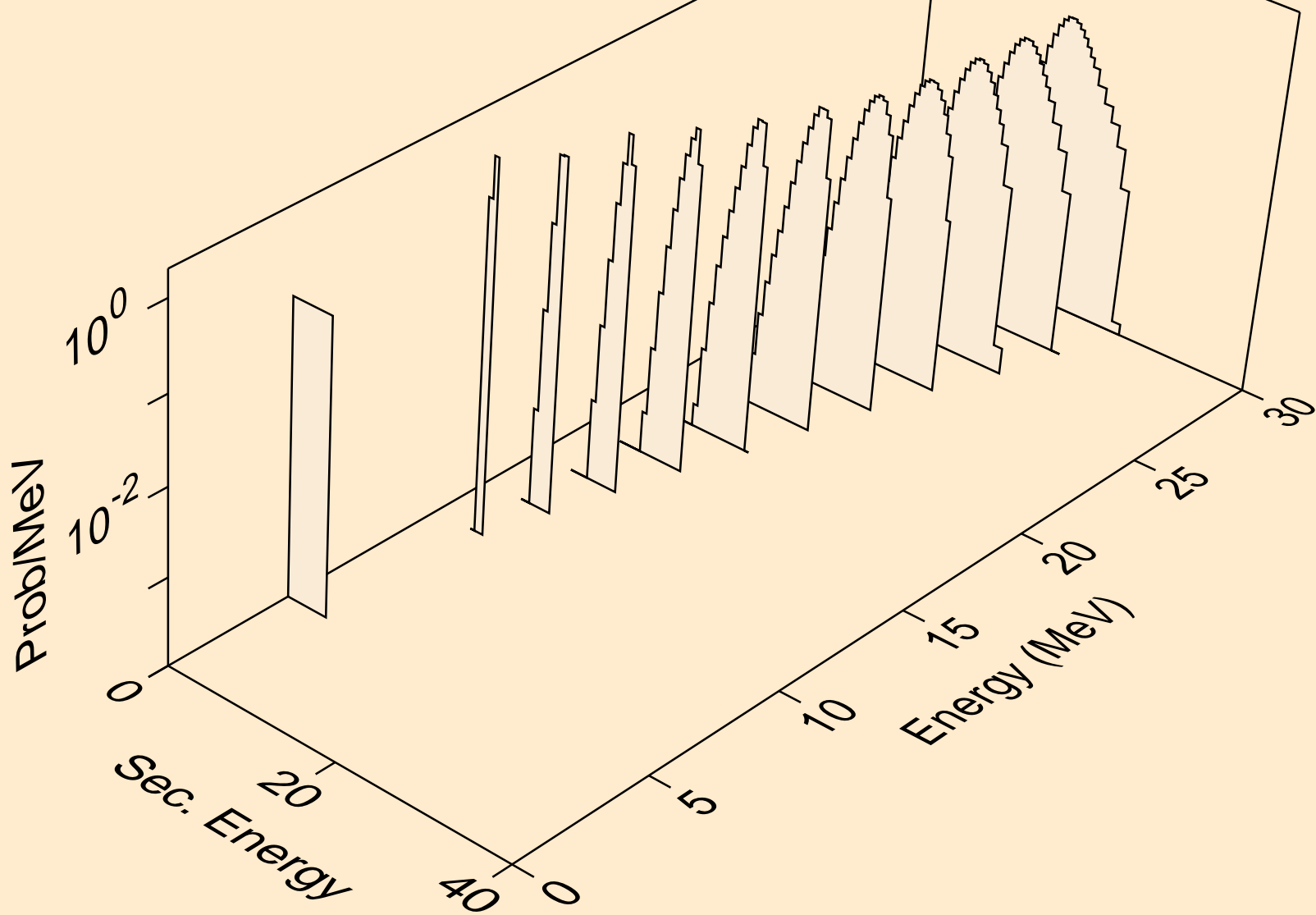
GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,he3)



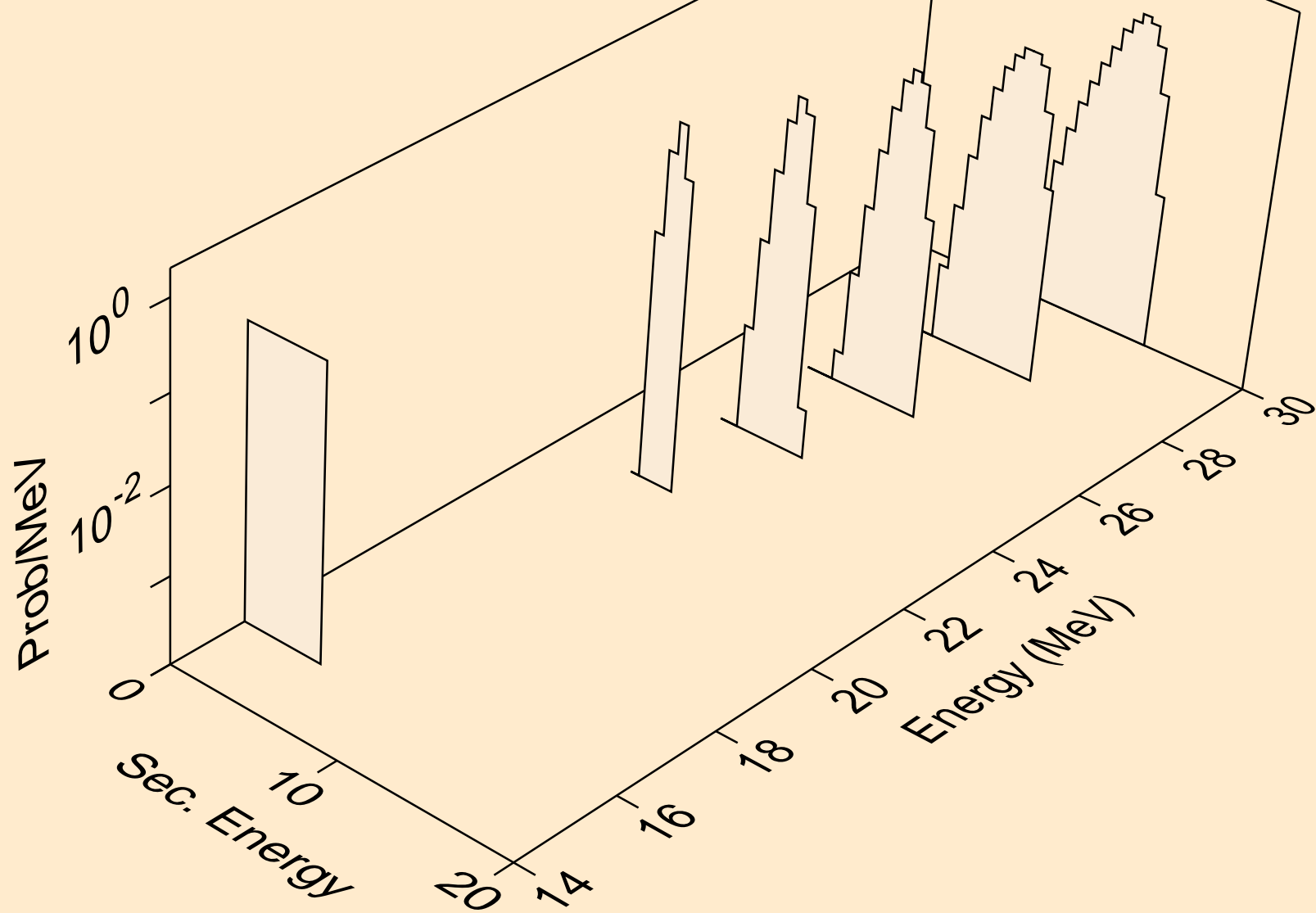
GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)



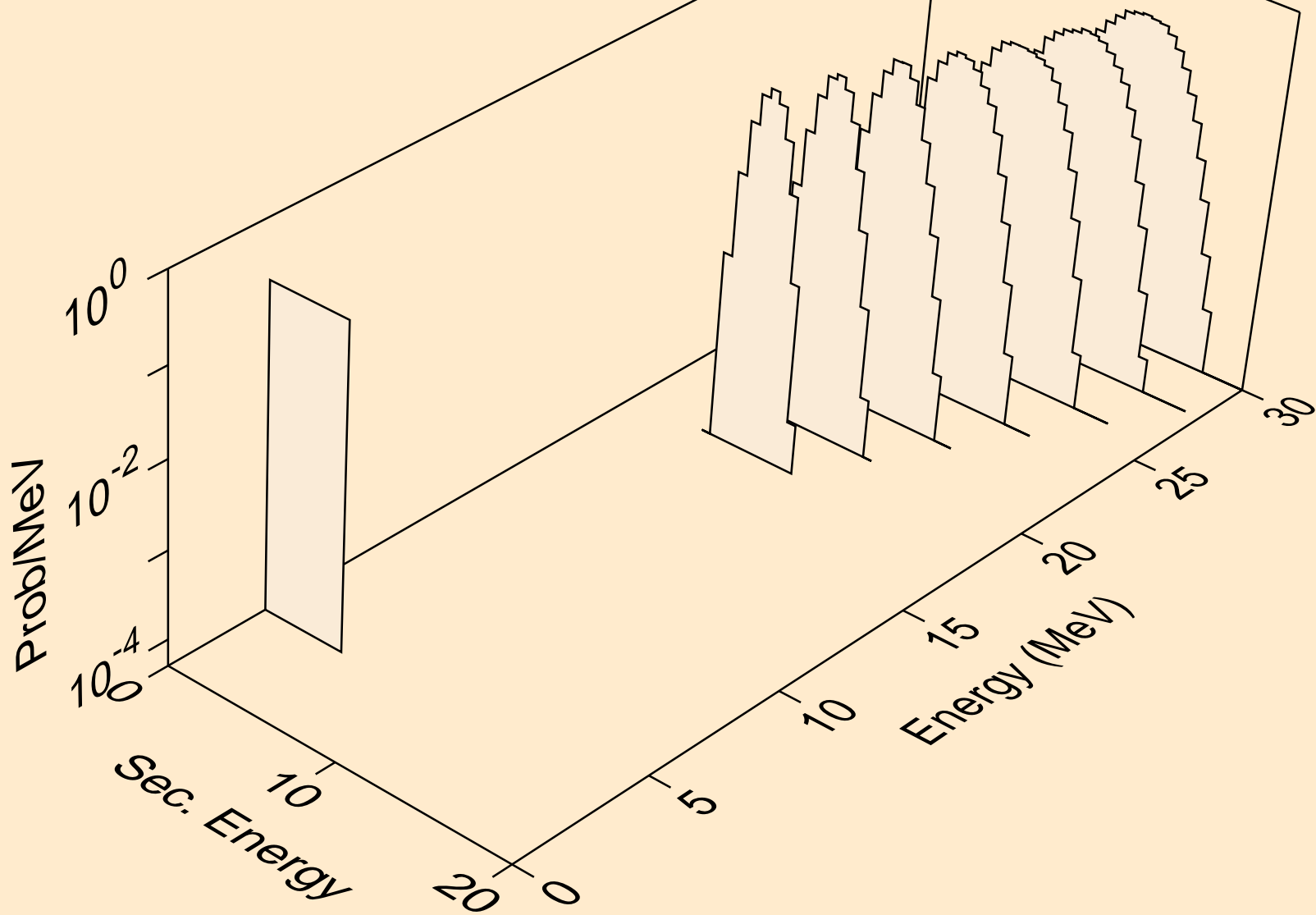
GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a



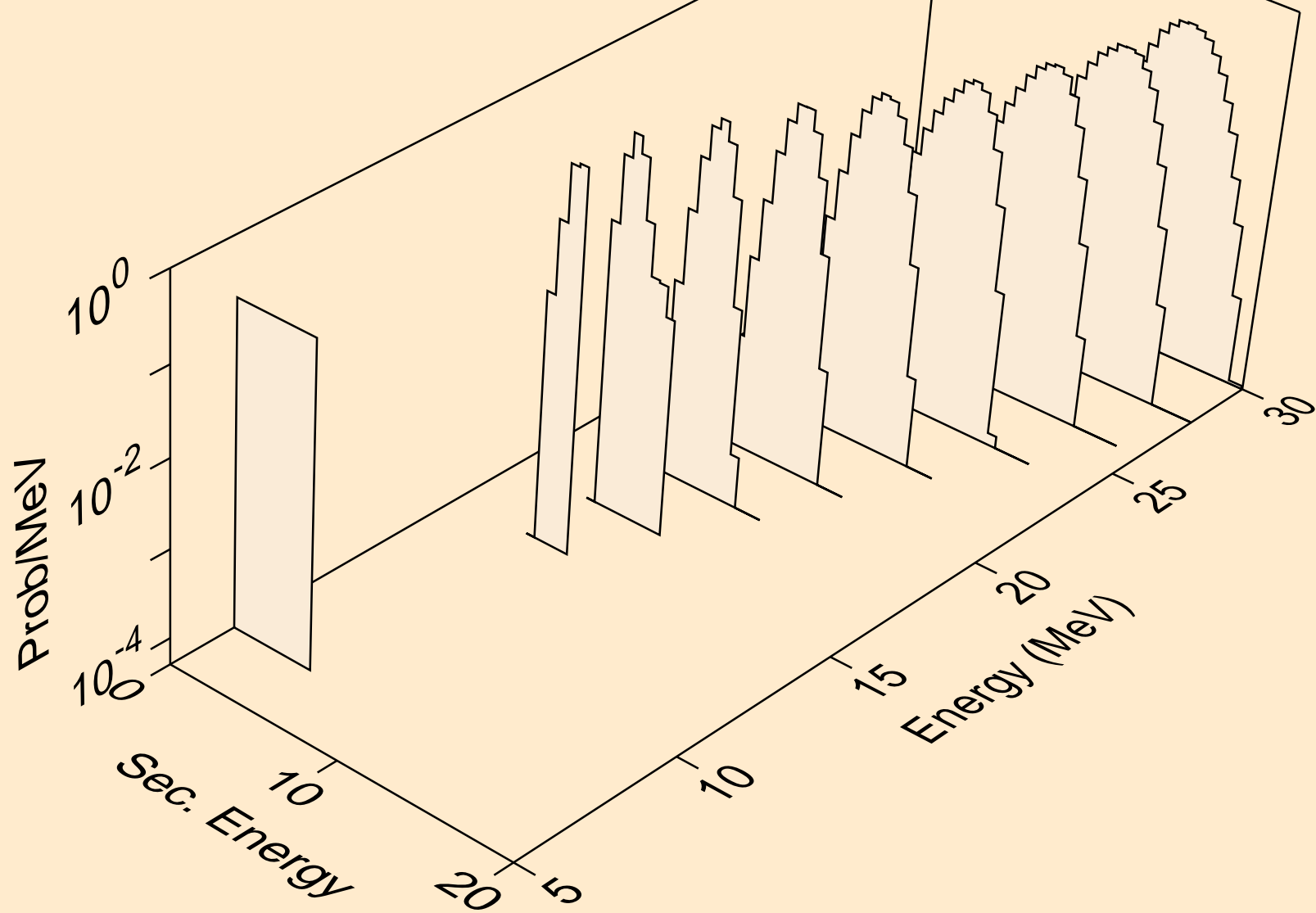
GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)a



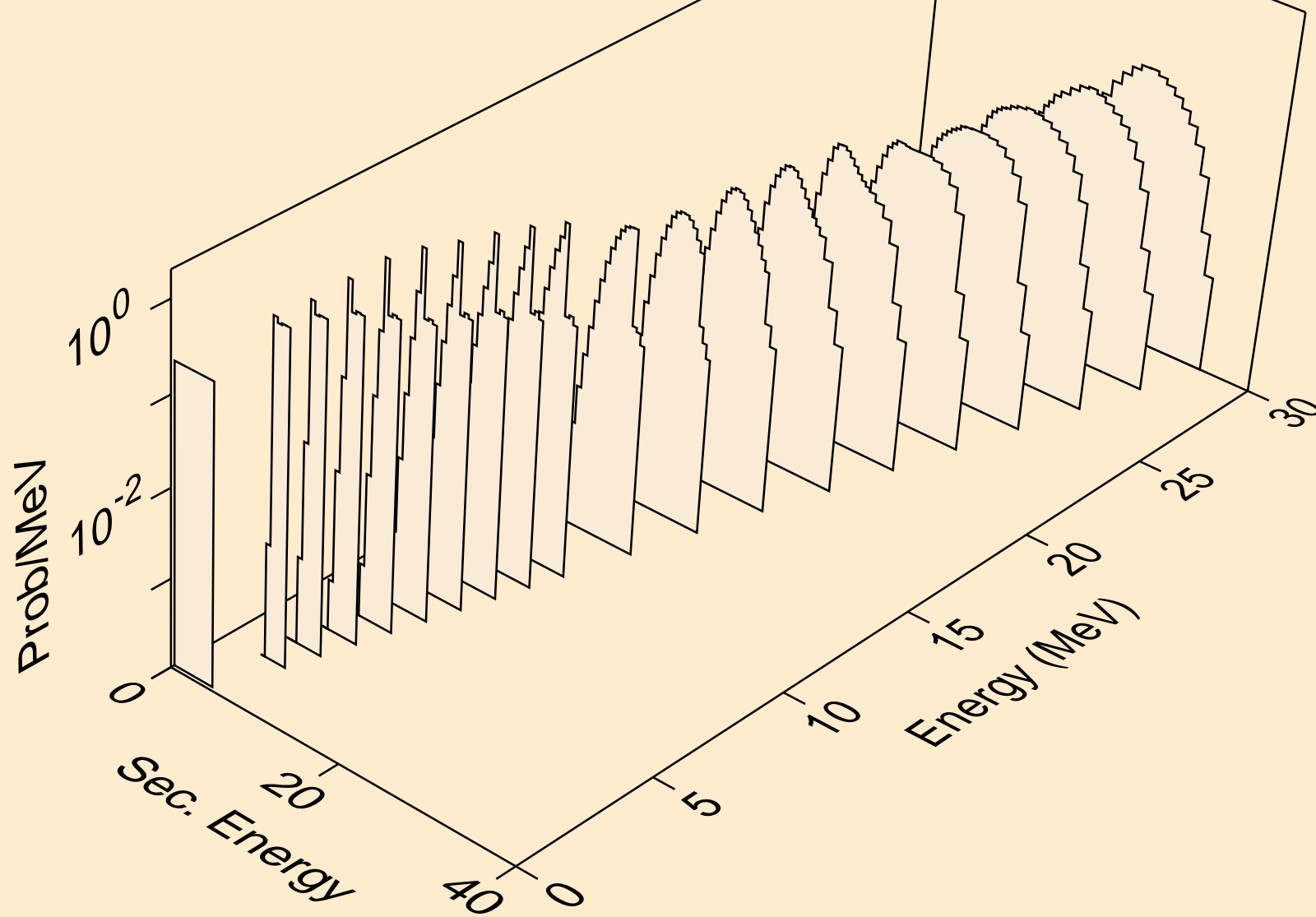
GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)2a



GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,npa)

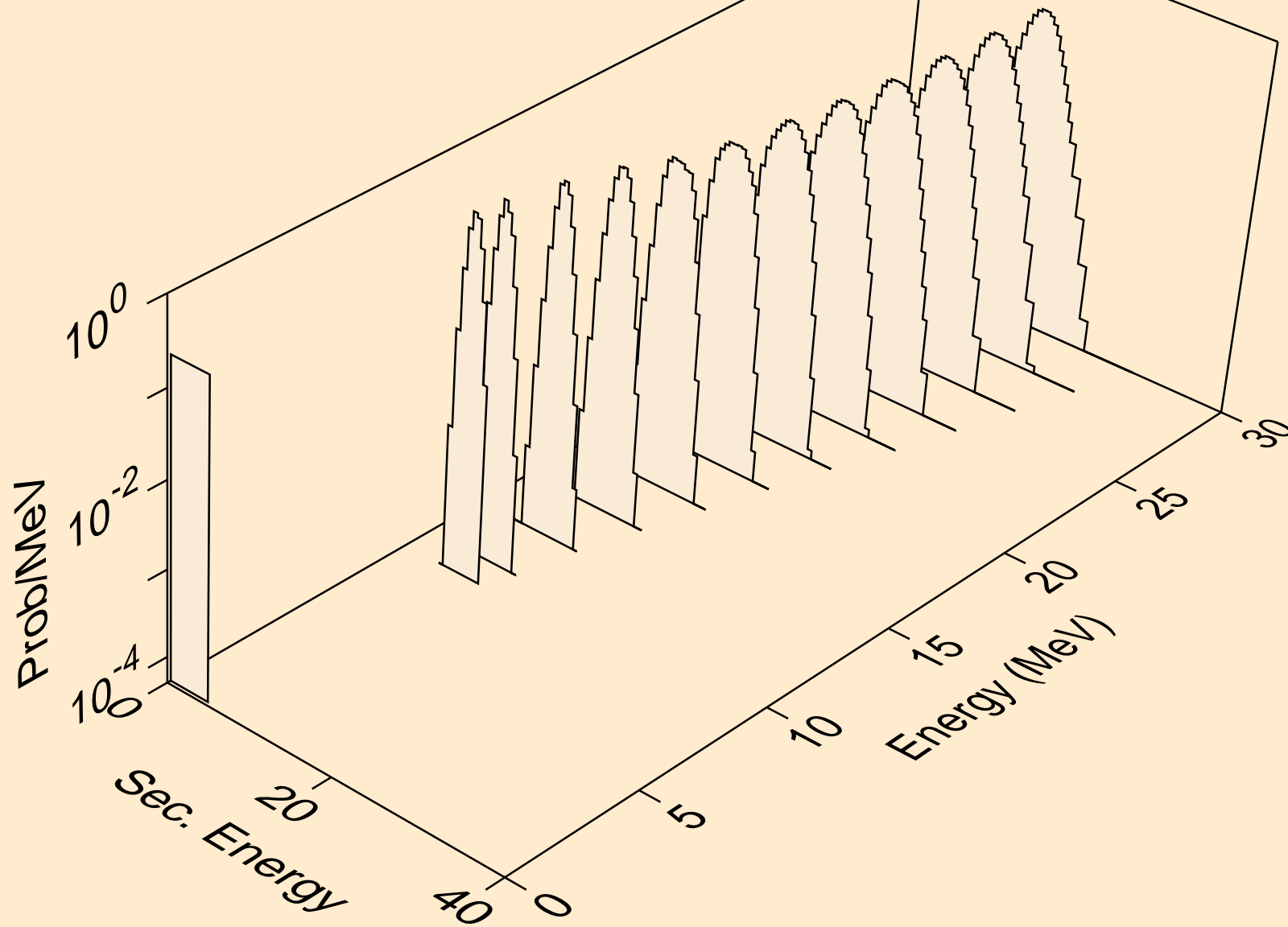


GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,a)

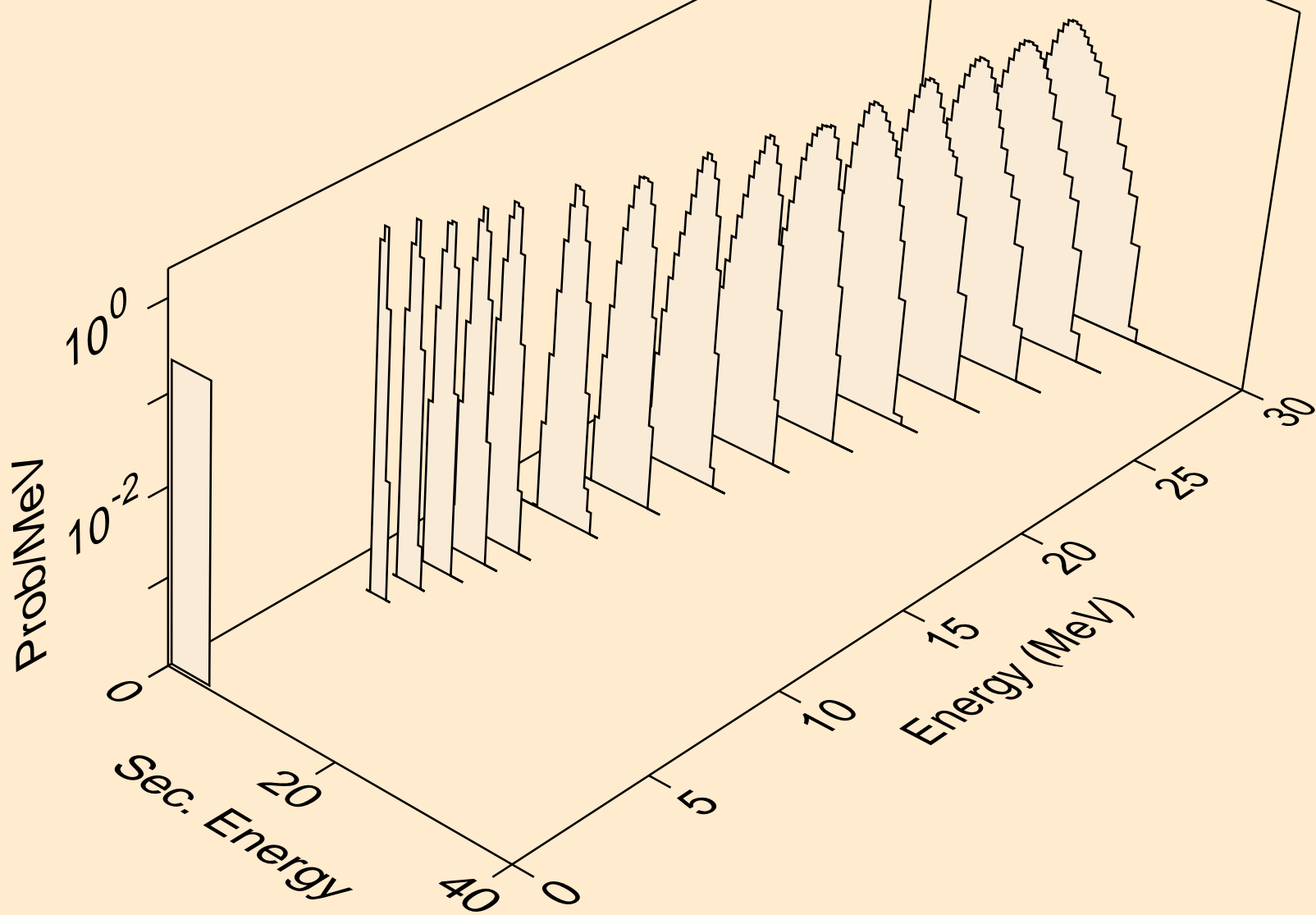




GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2a)



GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,pa)



GD147 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,da)

