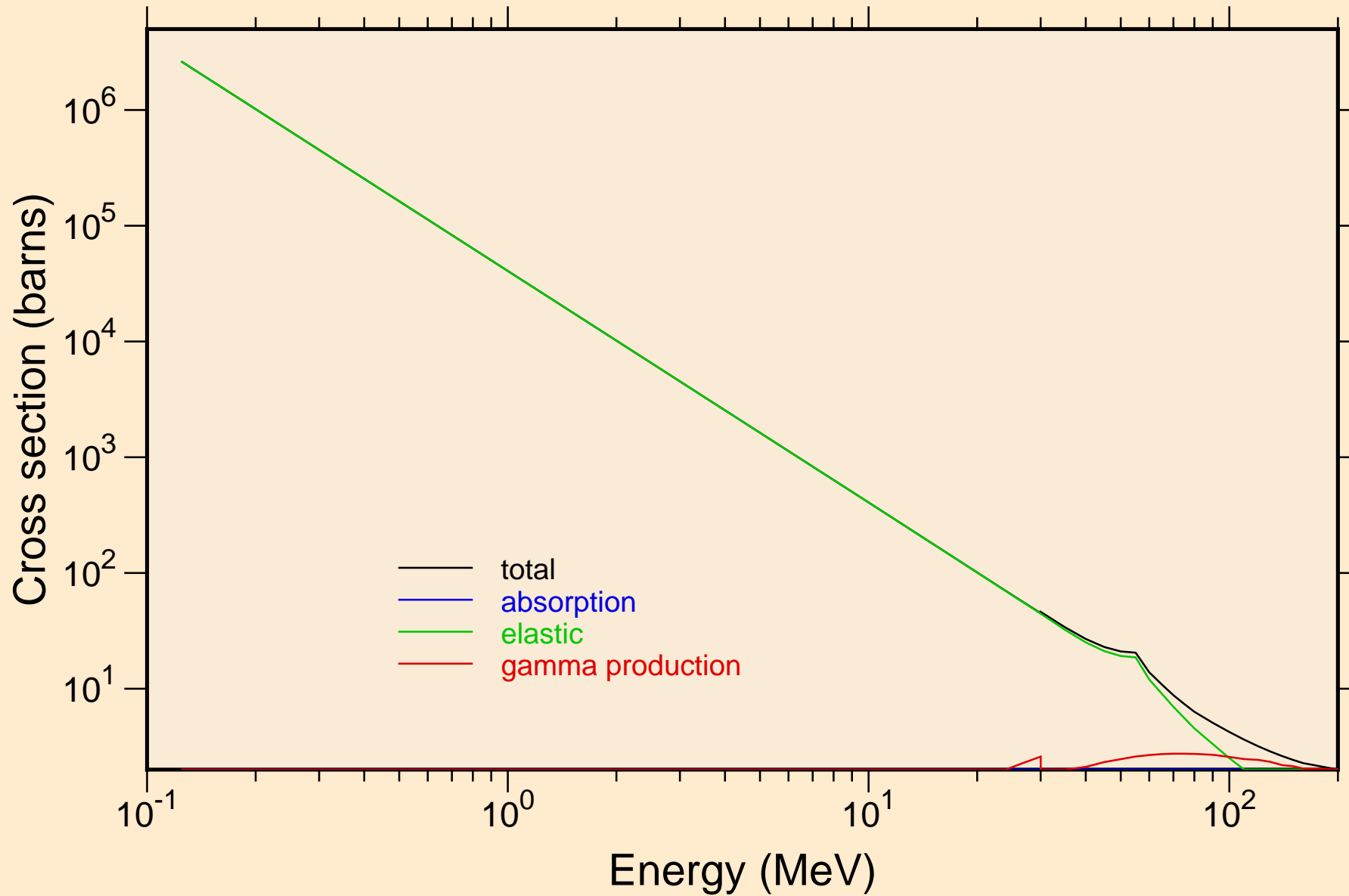


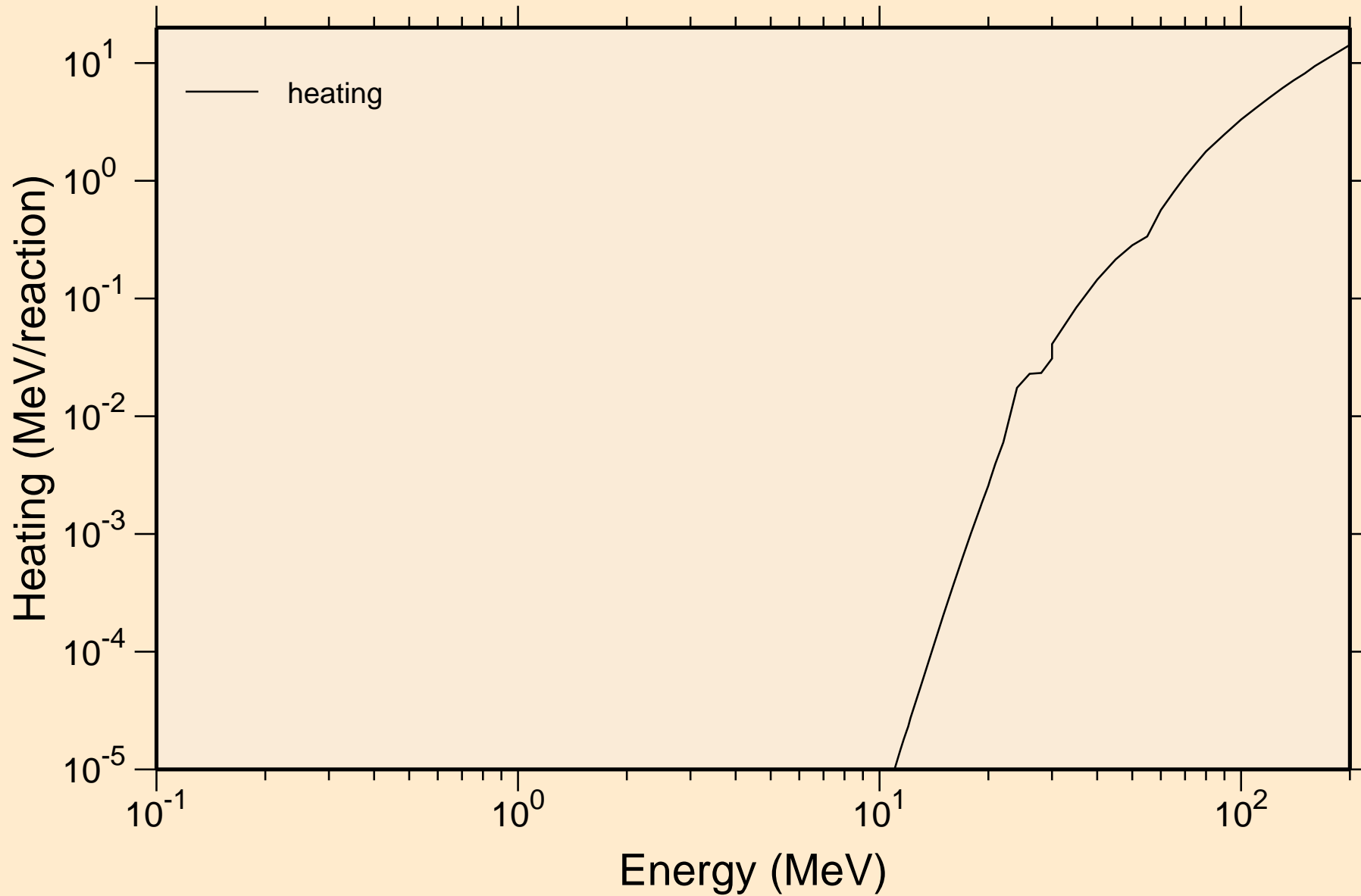
# TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



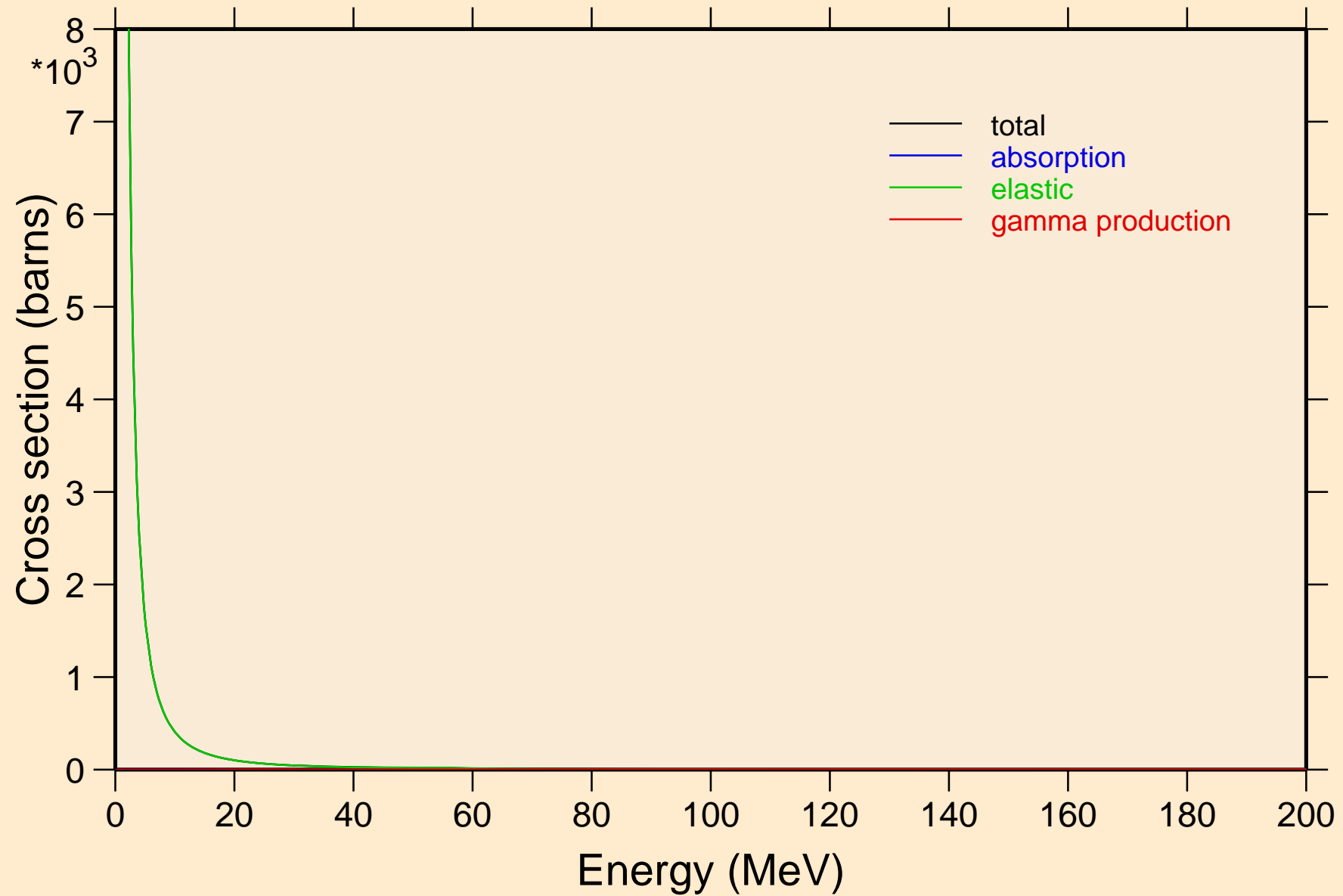
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## Heating



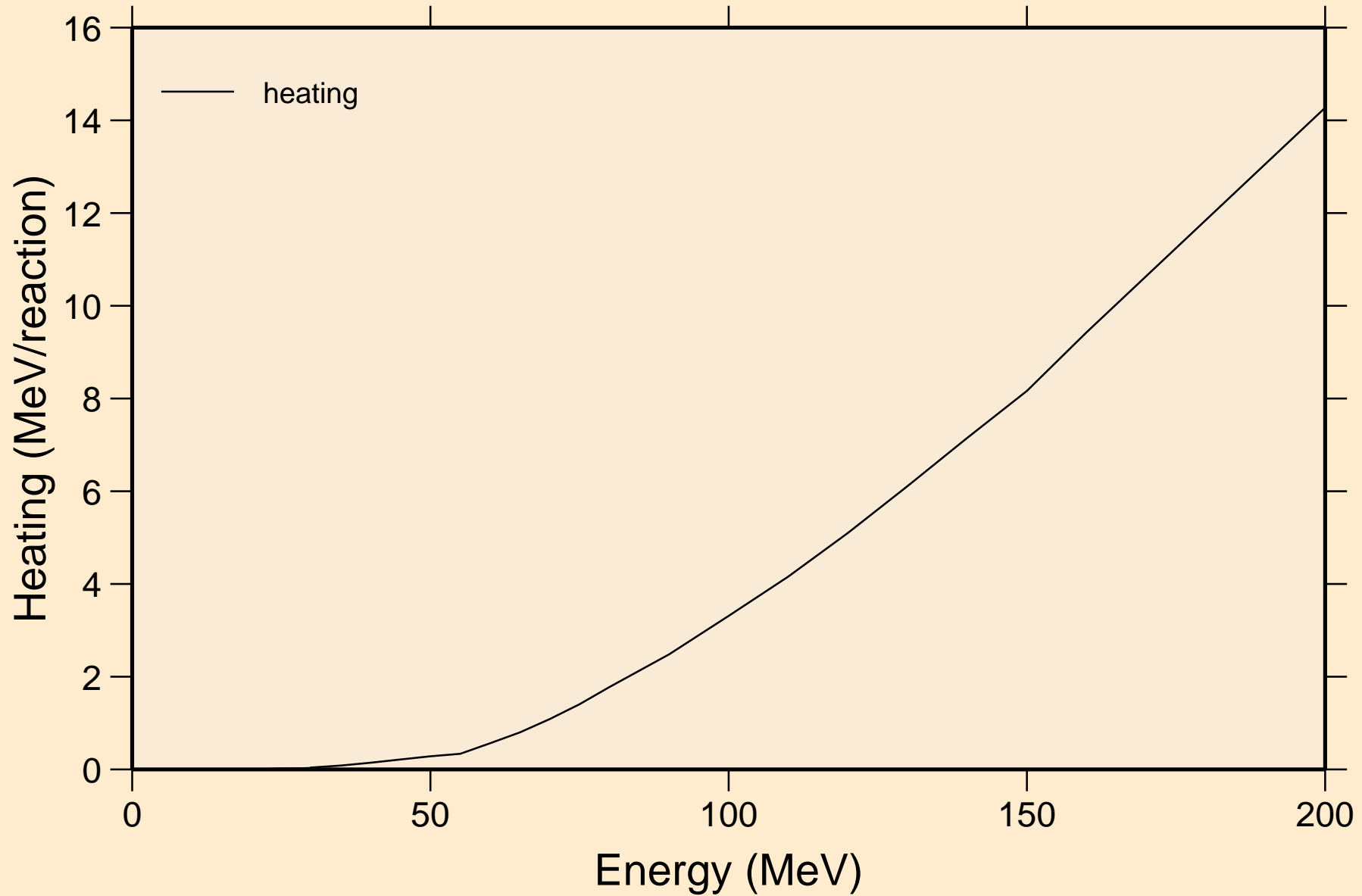
# TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



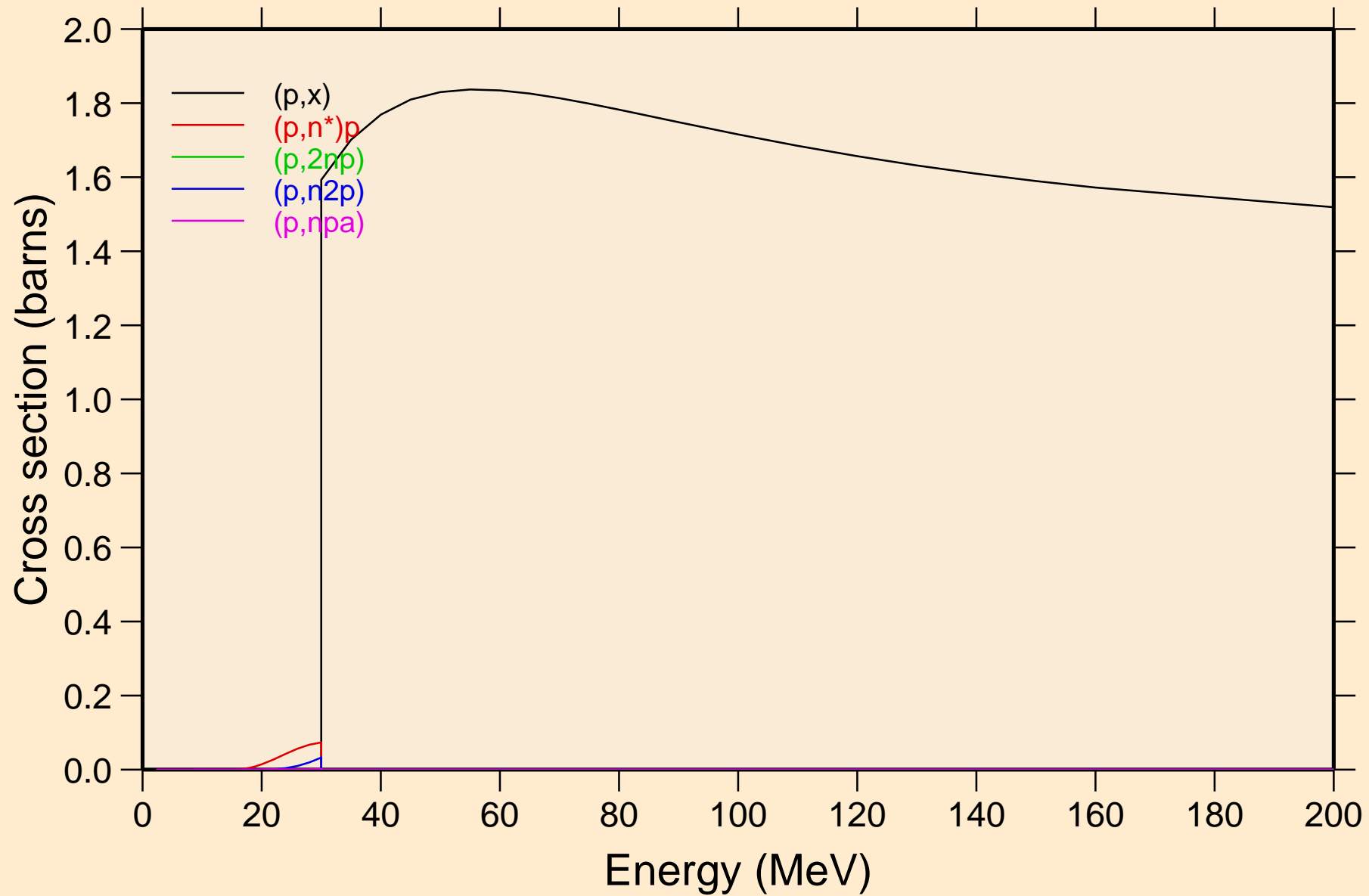
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## Heating

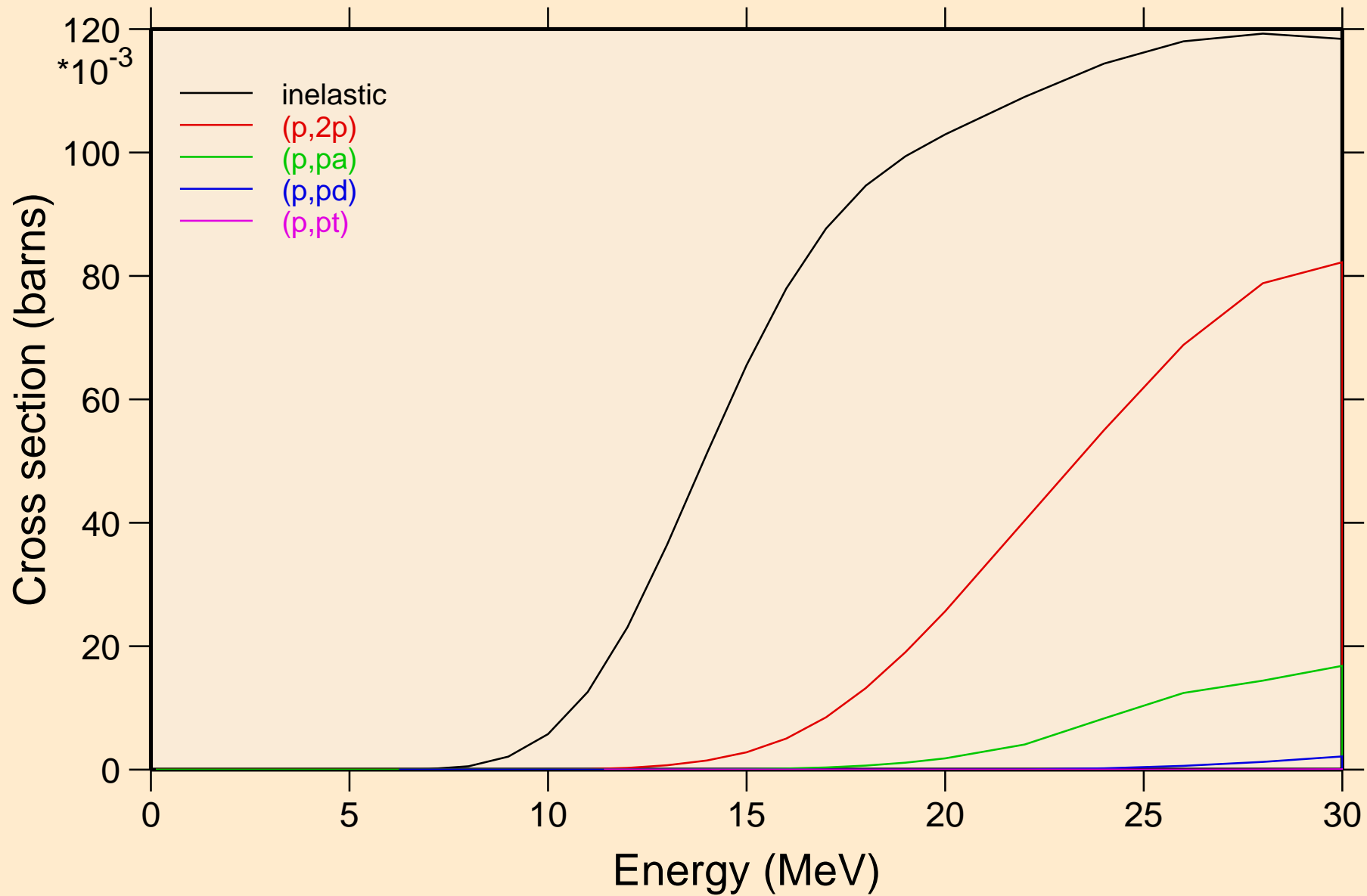


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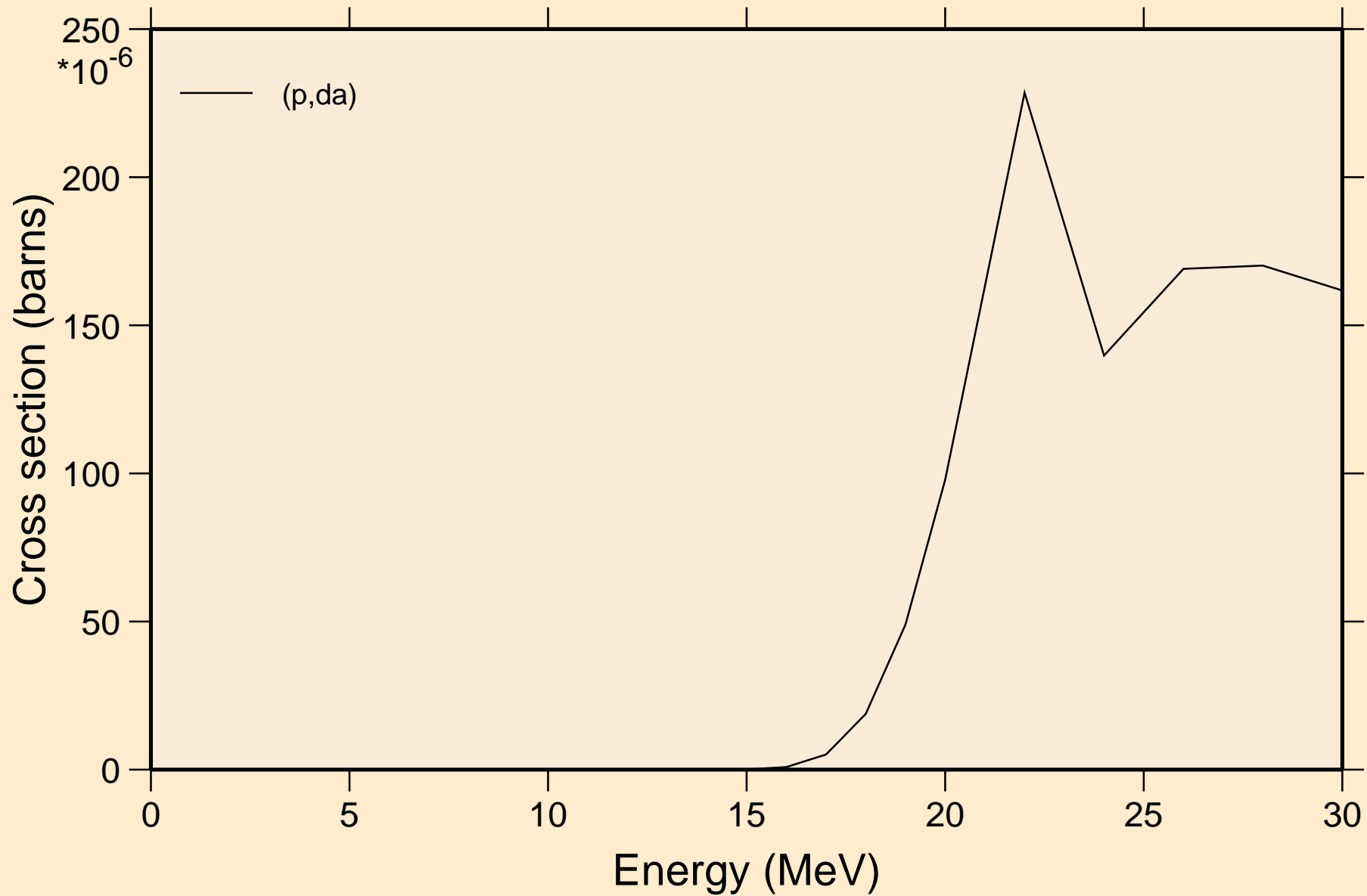
## Threshold reactions



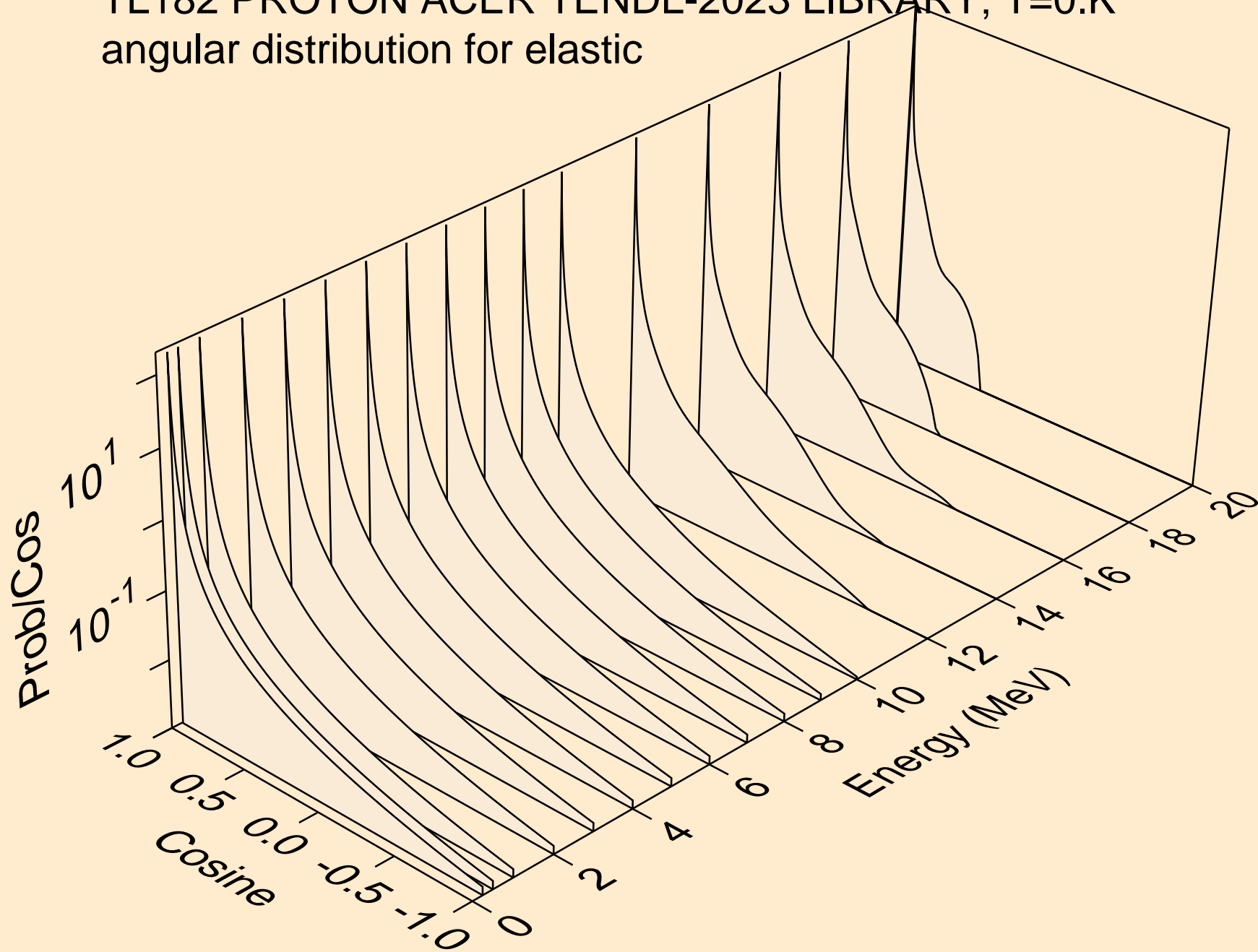
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Threshold reactions



TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

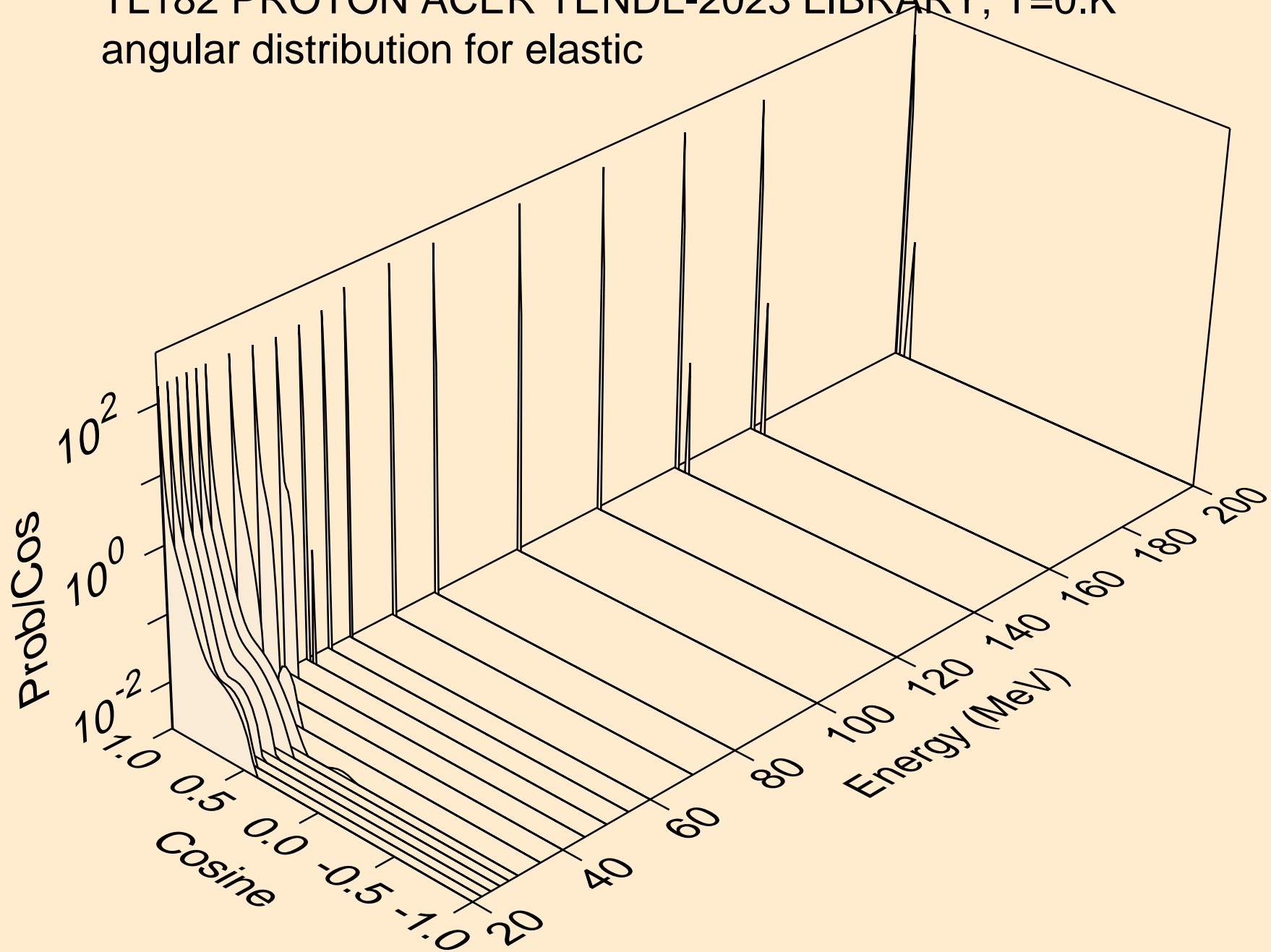


TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

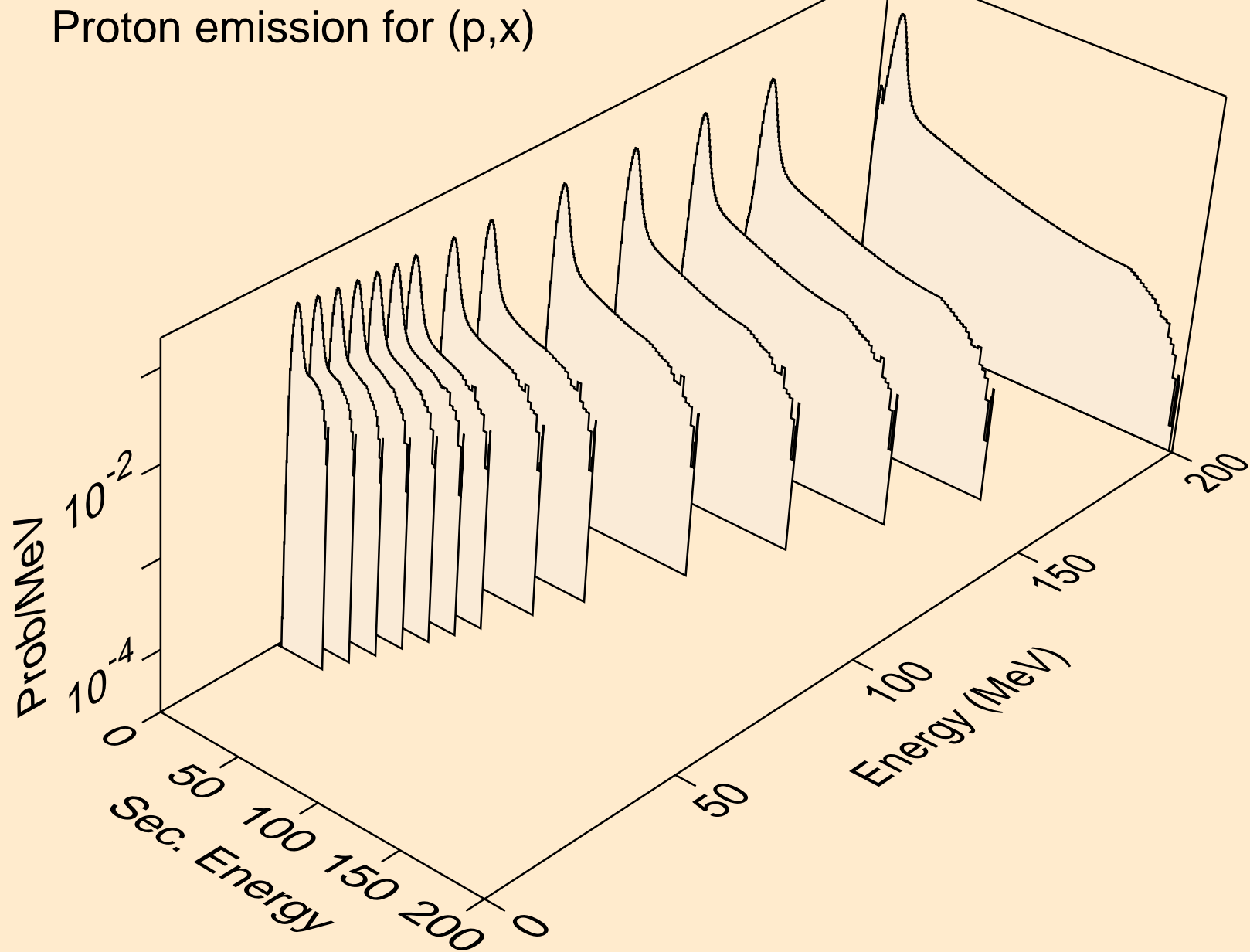




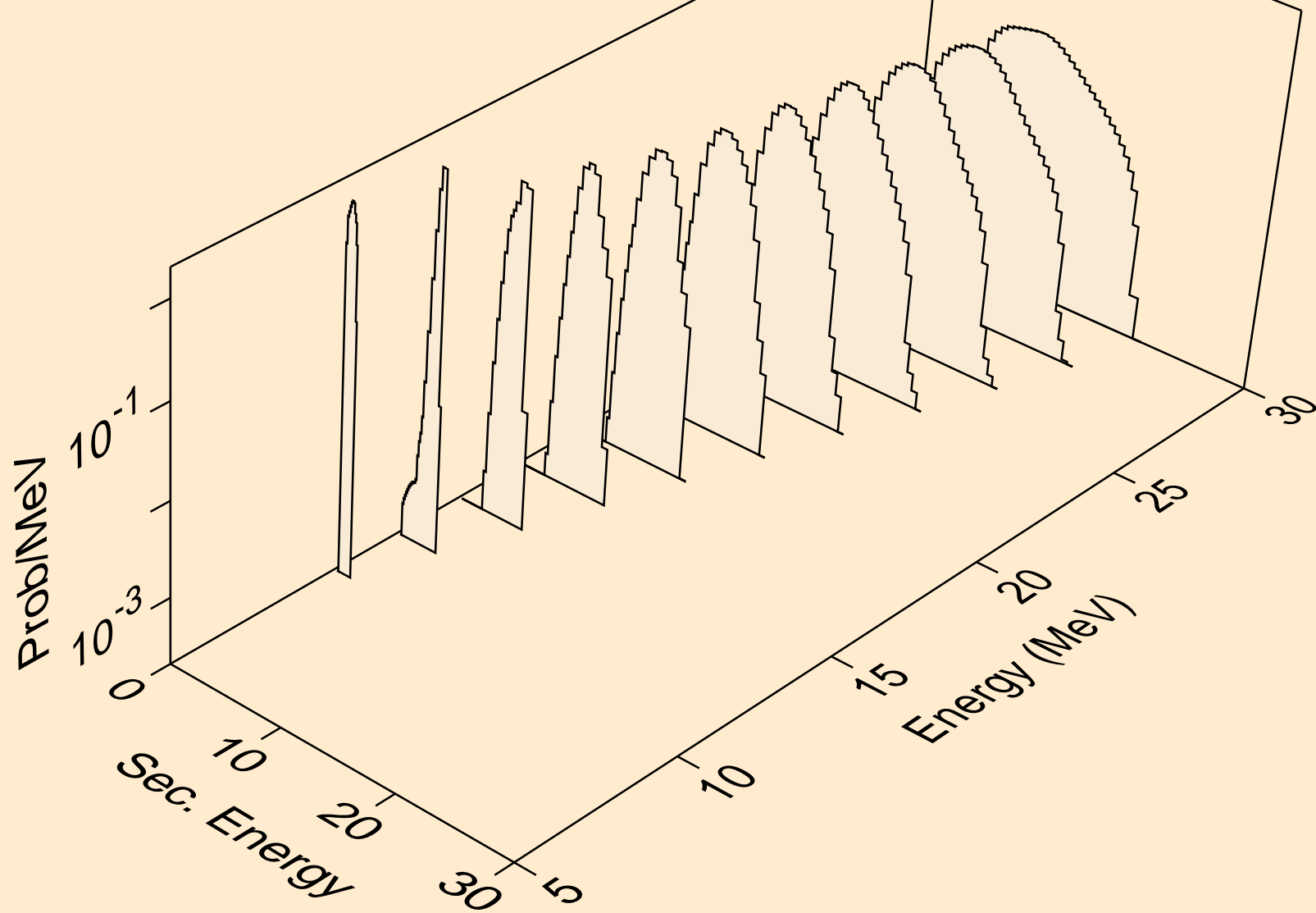
TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



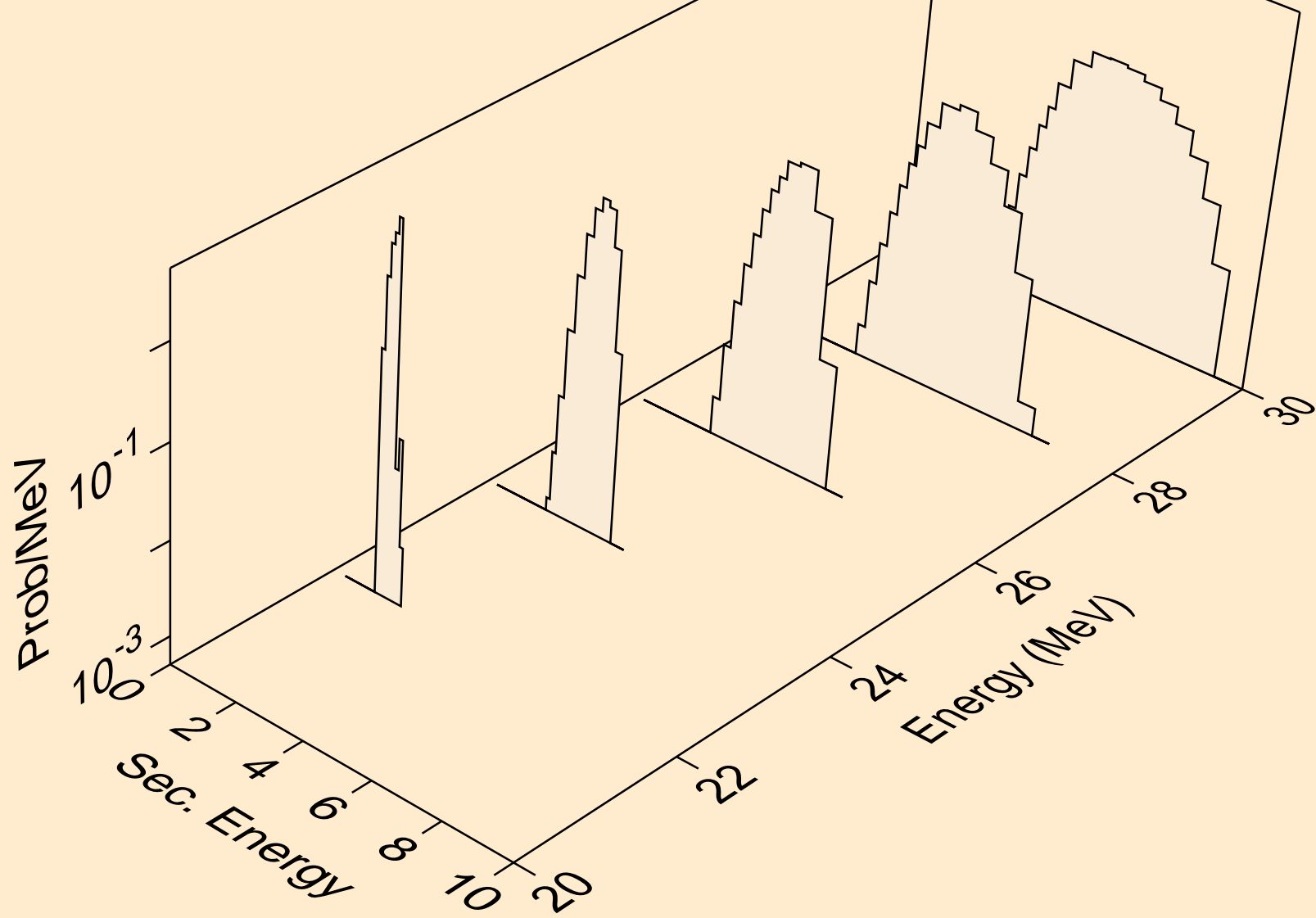
TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)



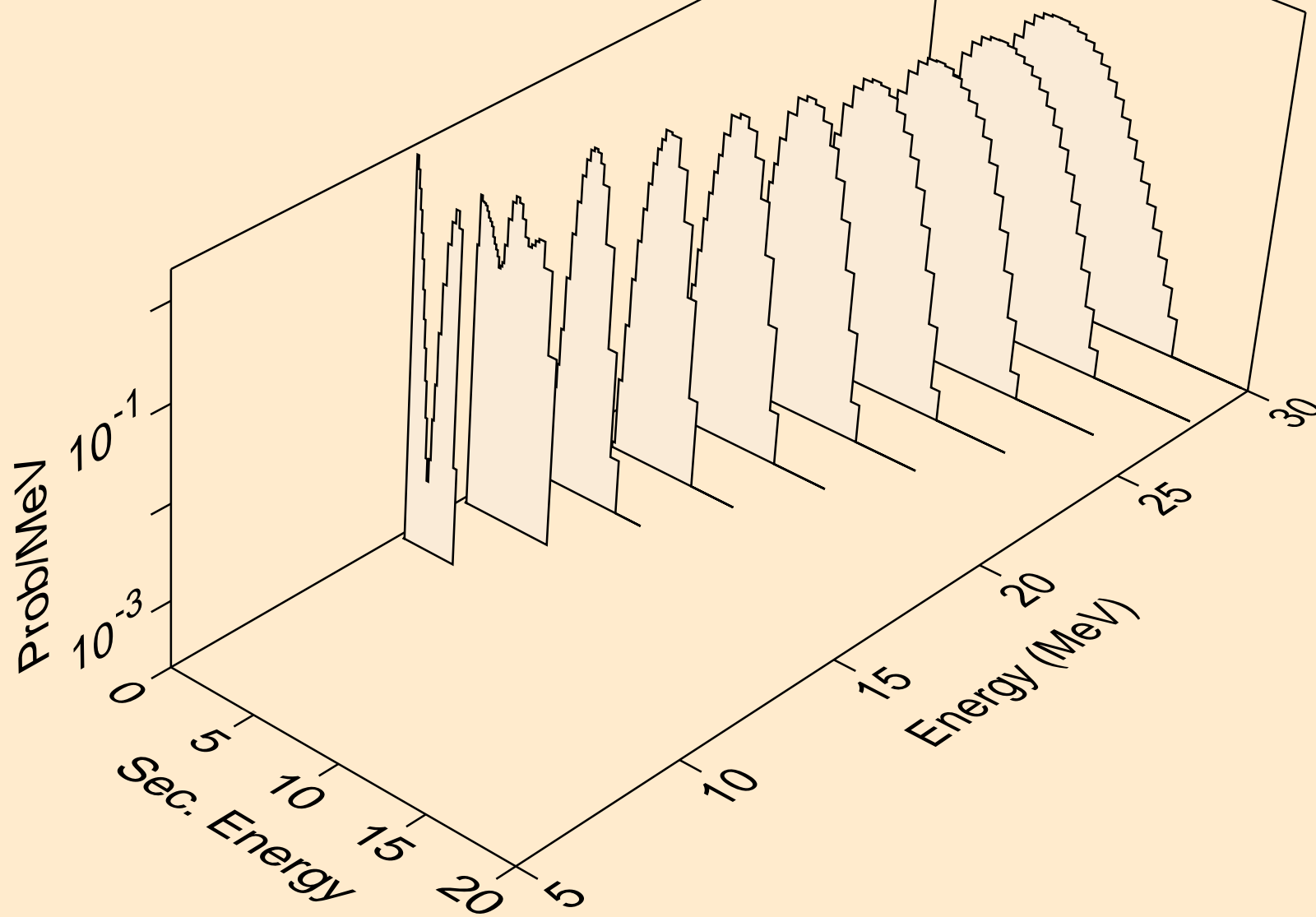
TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



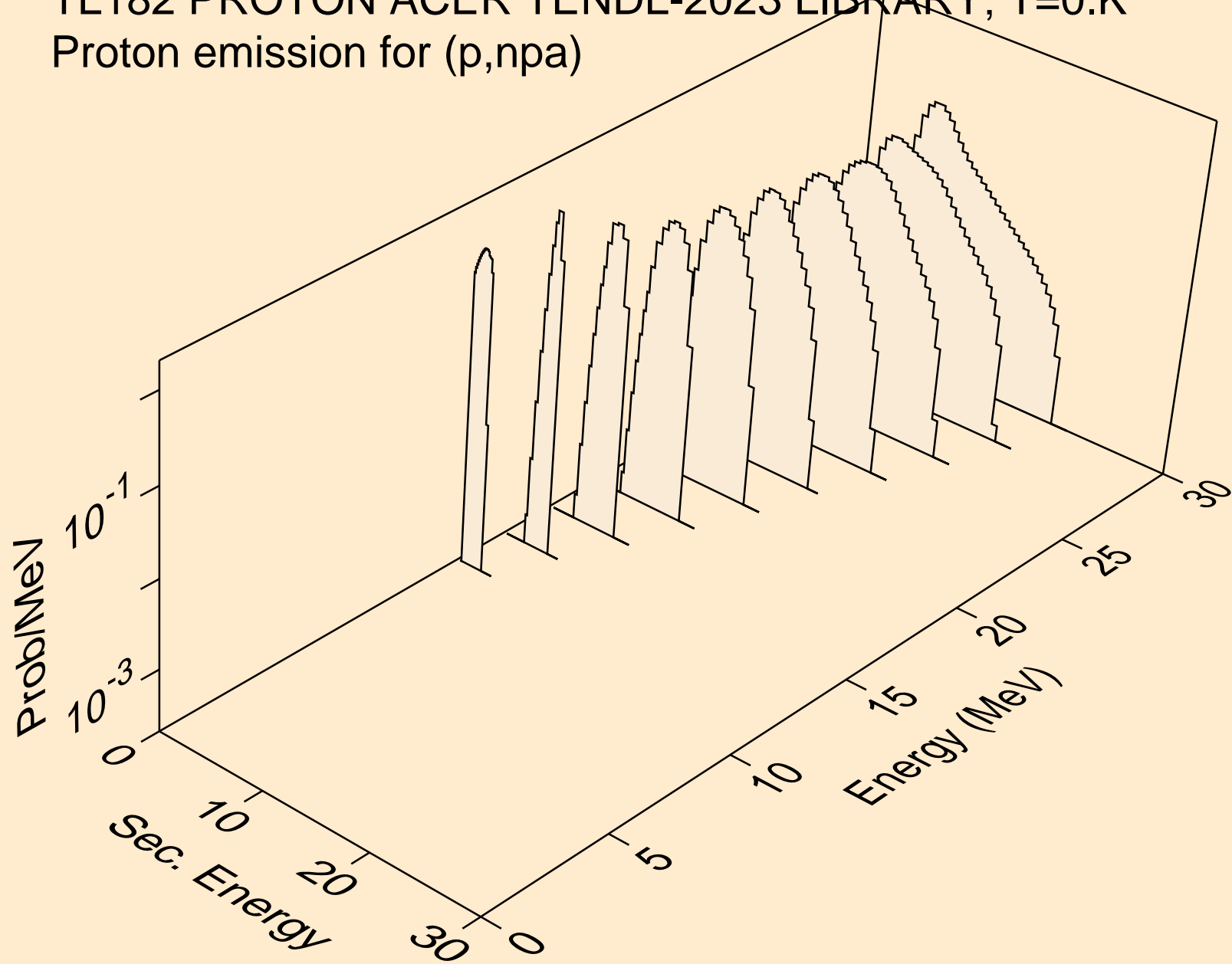
TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



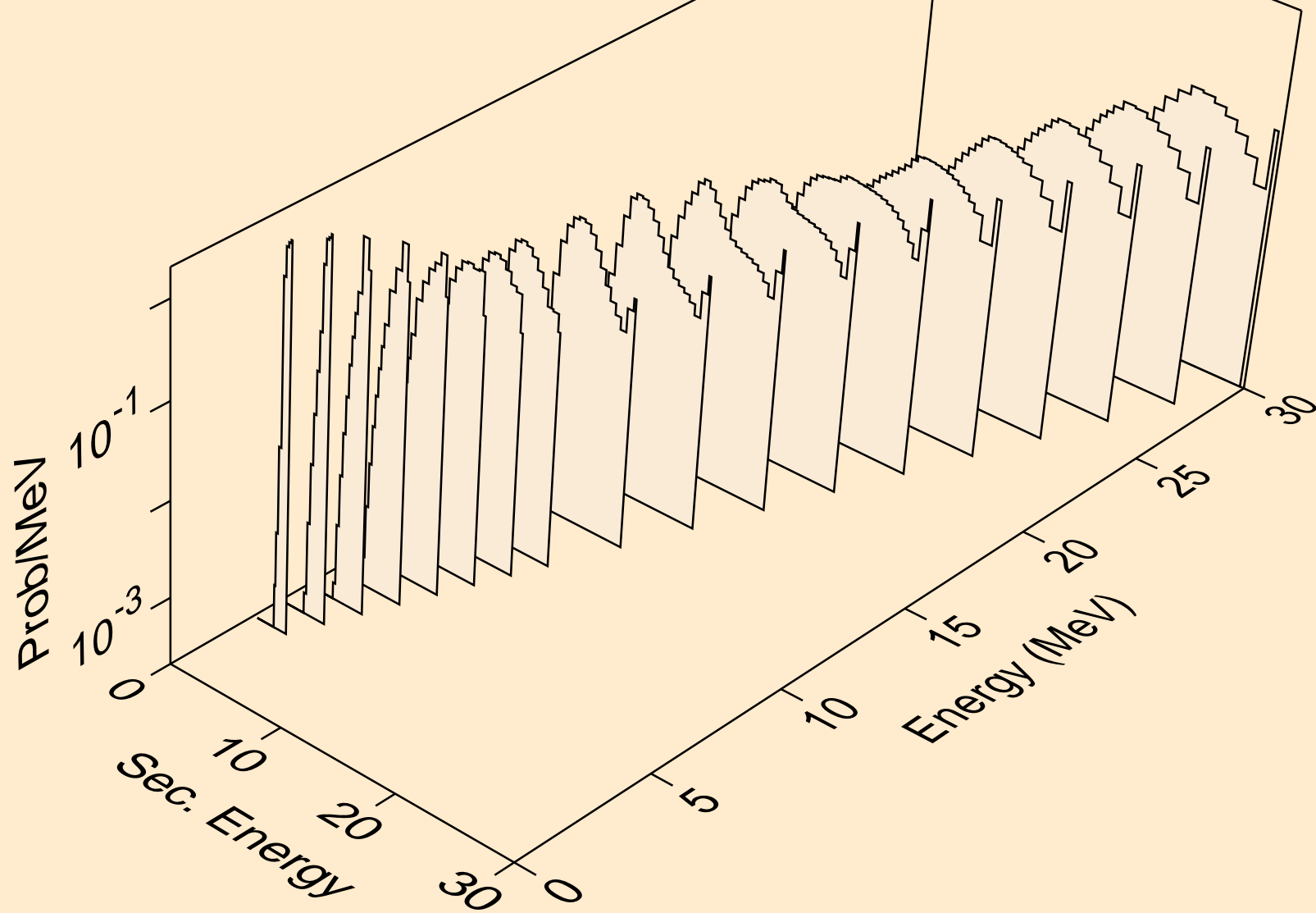
TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n2p)



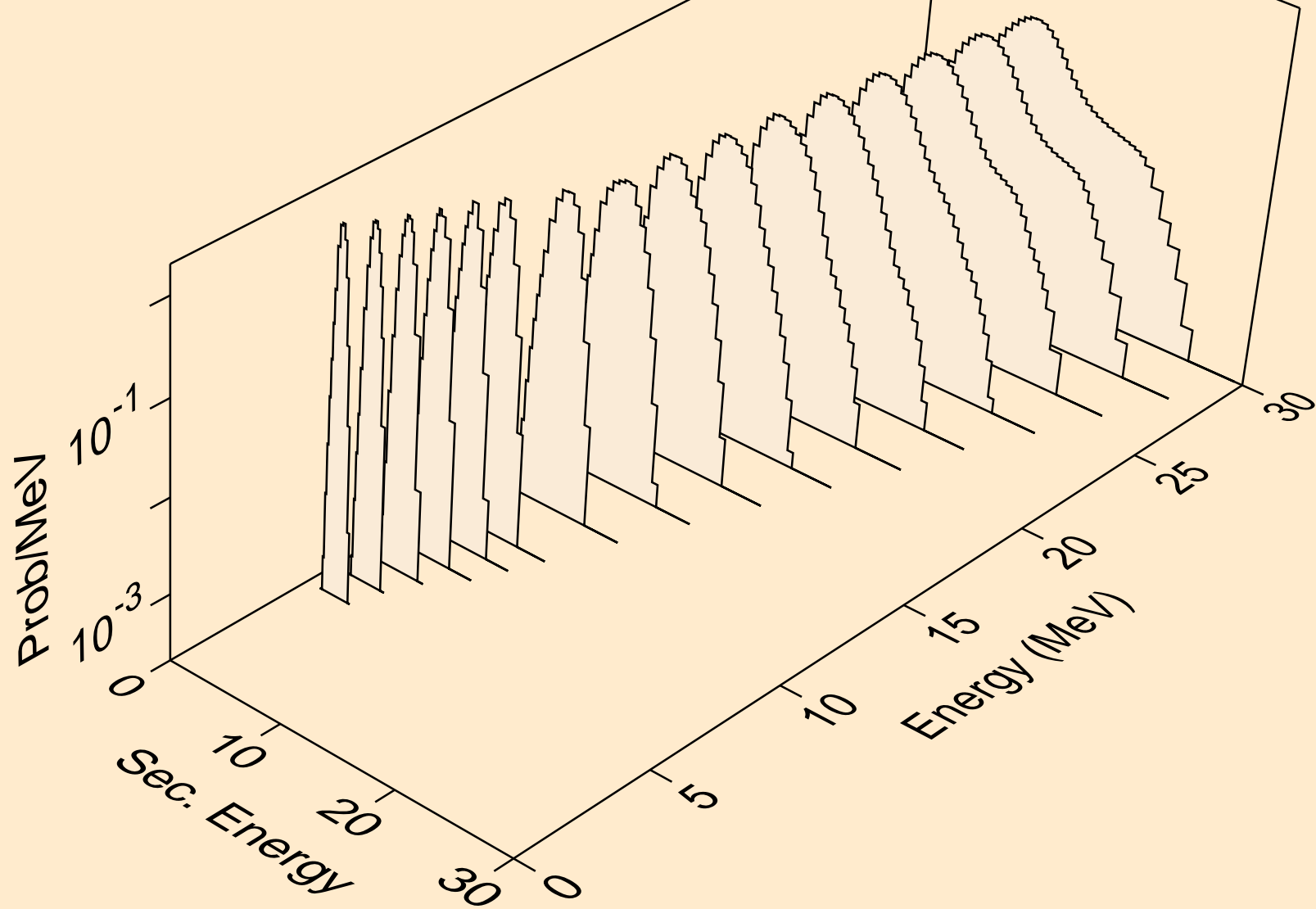
TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,npa)



TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic

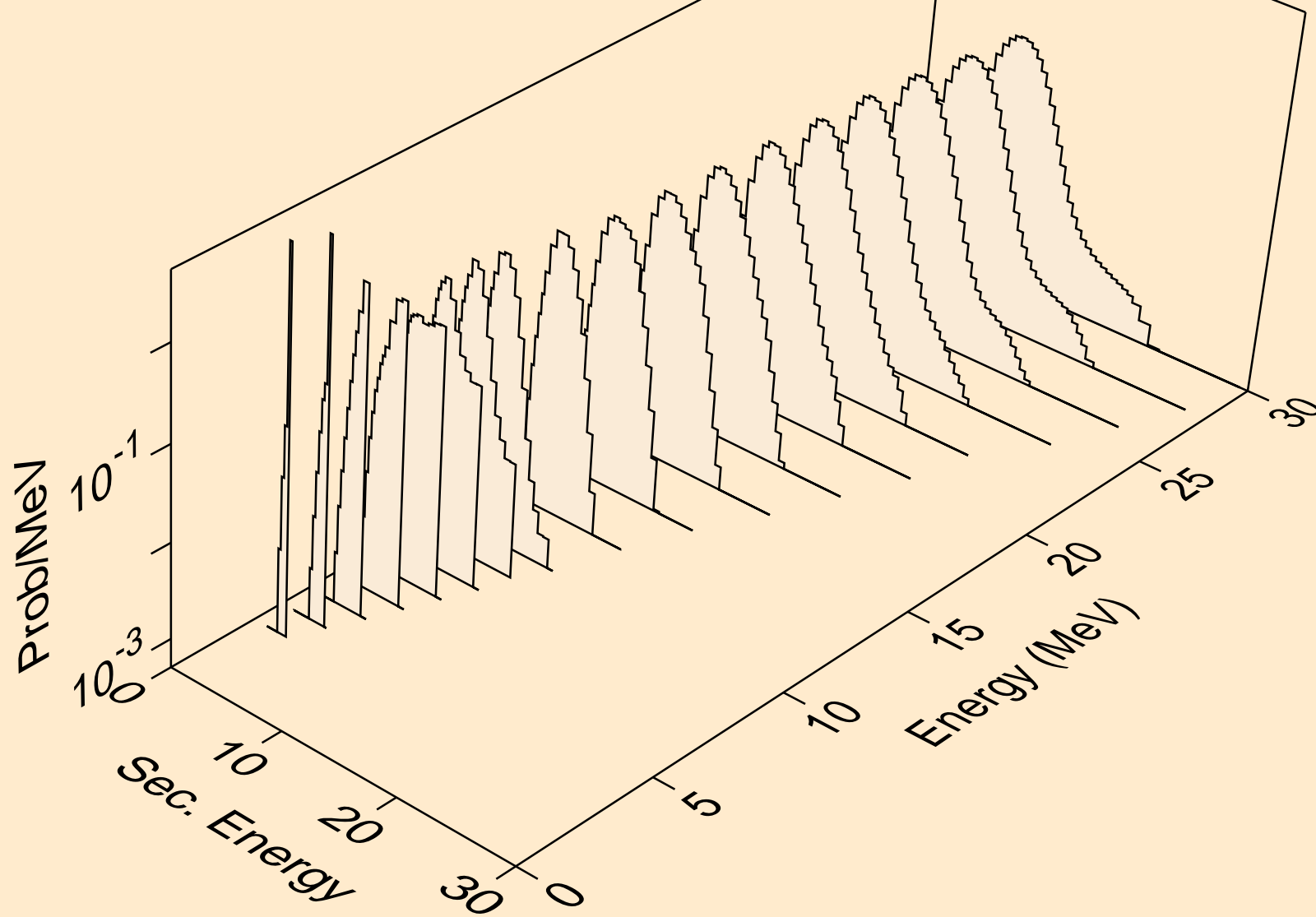


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Proton emission for (p,2p)

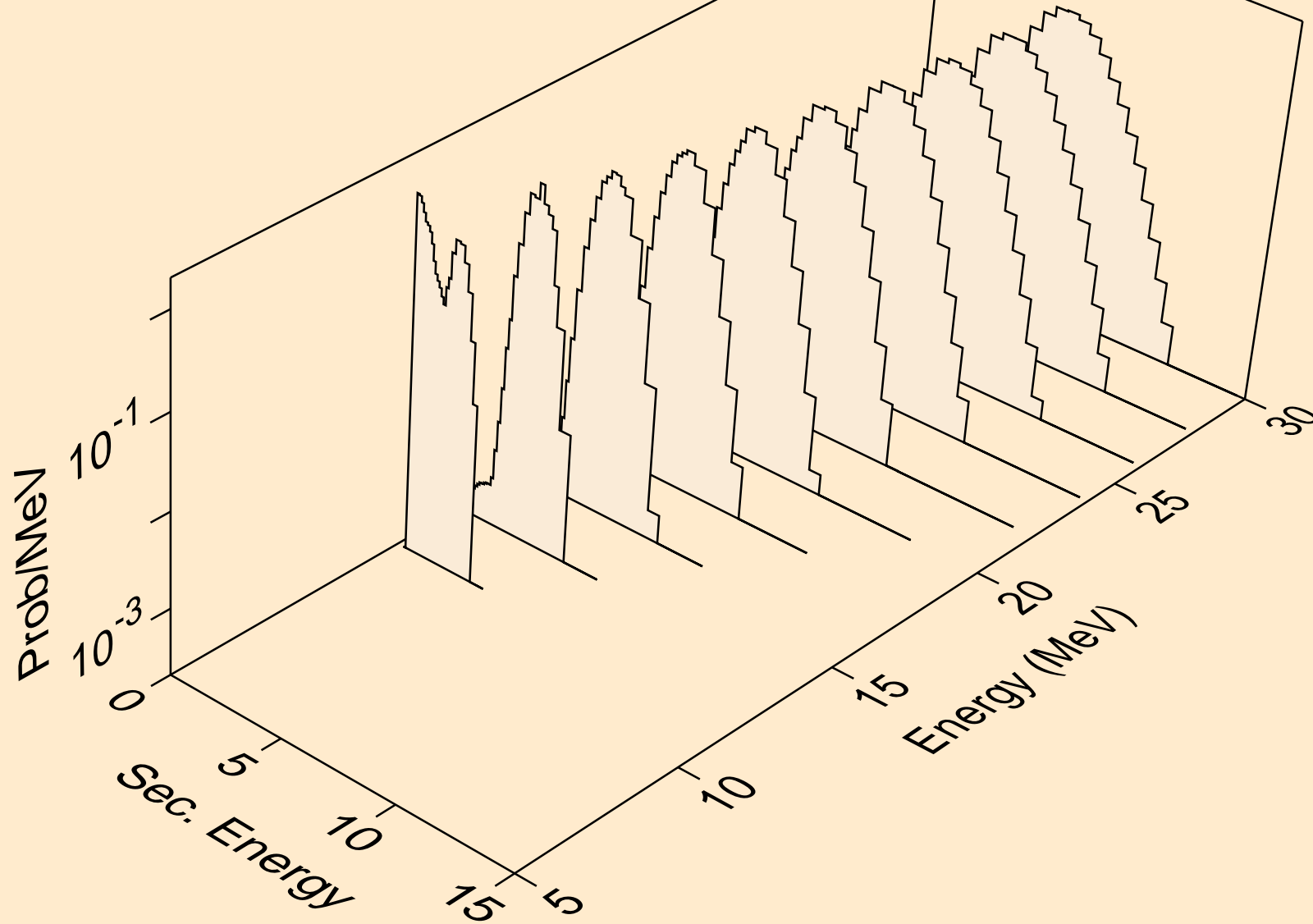




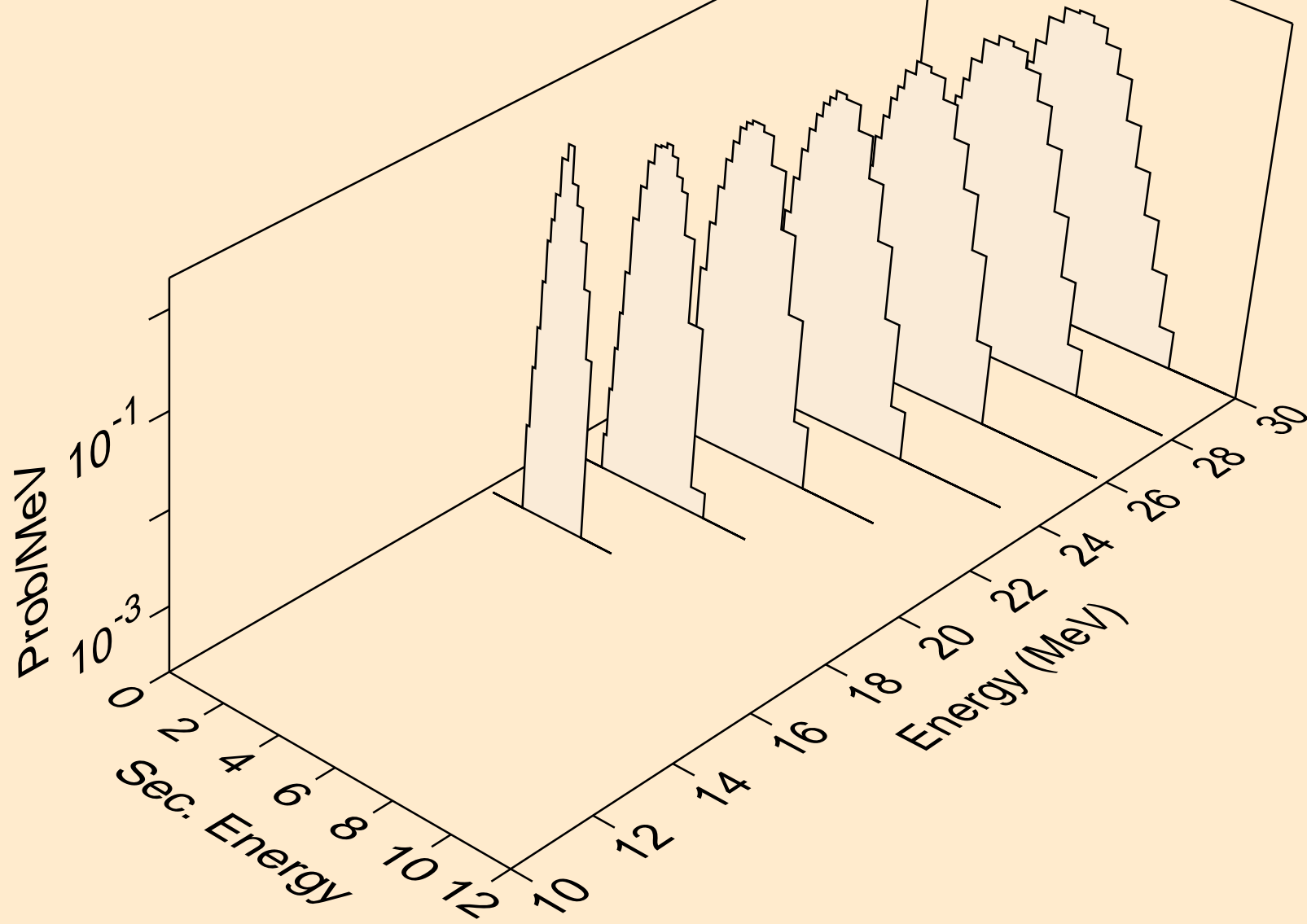
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Proton emission for (p,pa)



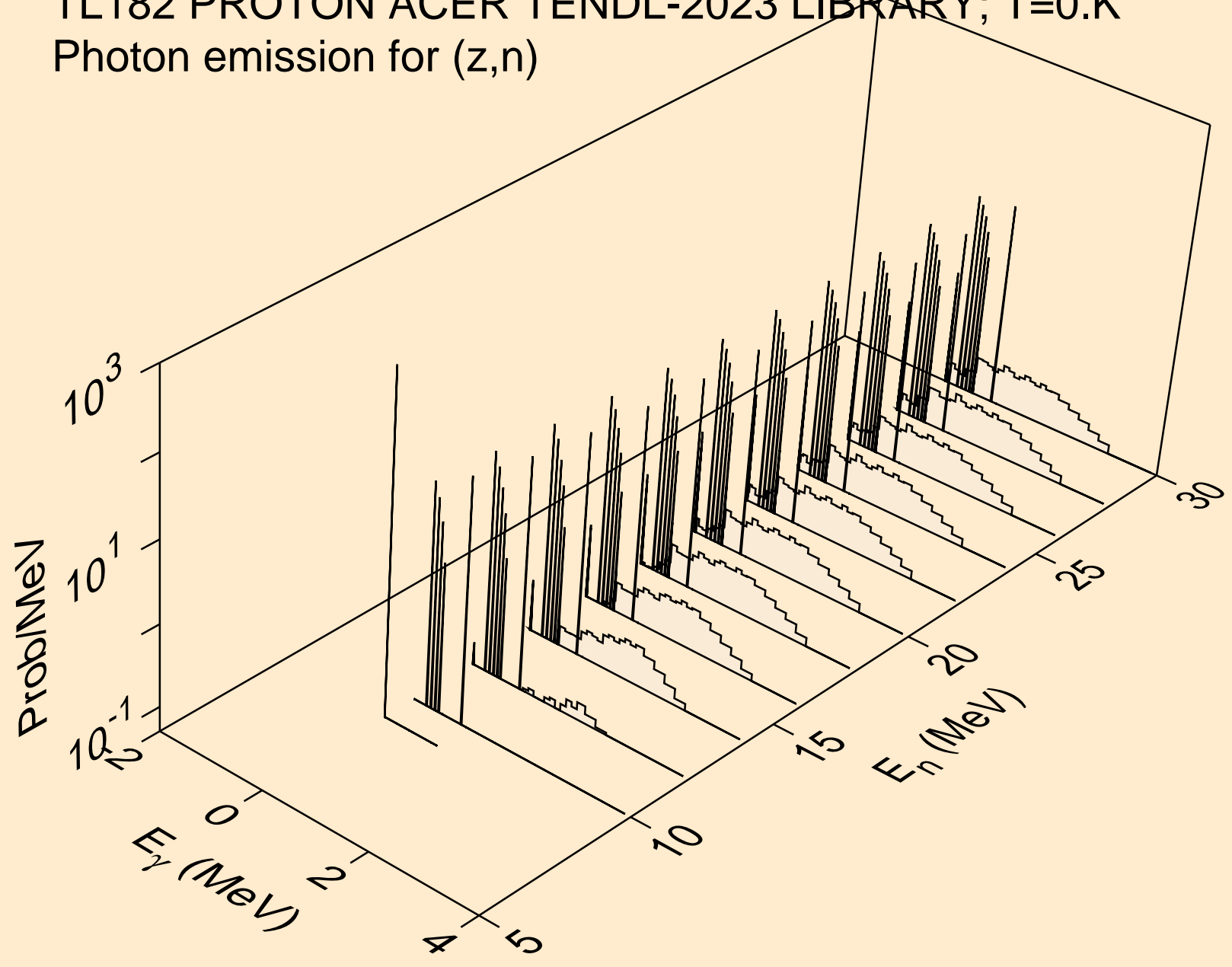
TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pd)



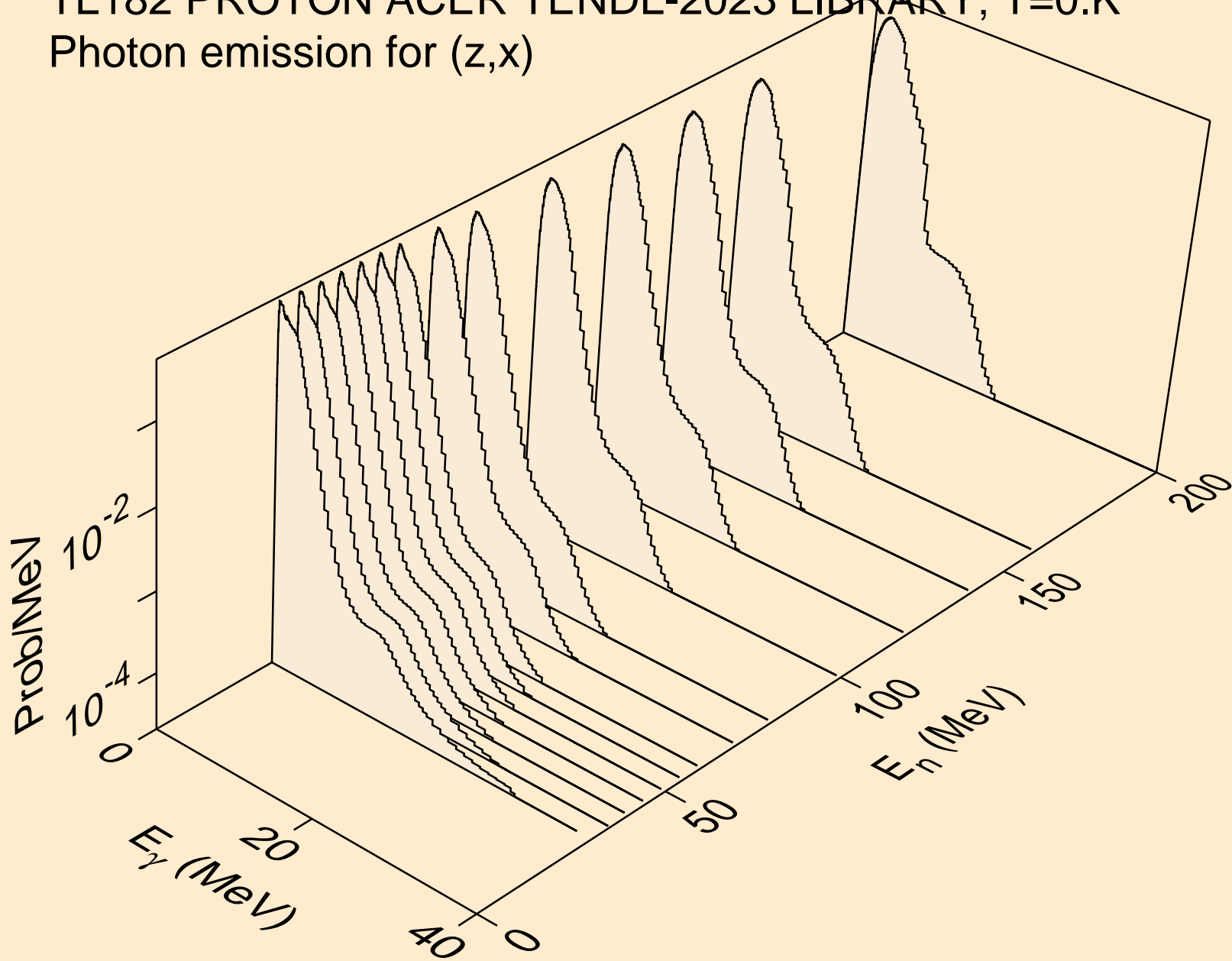
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Proton emission for (p,pt)



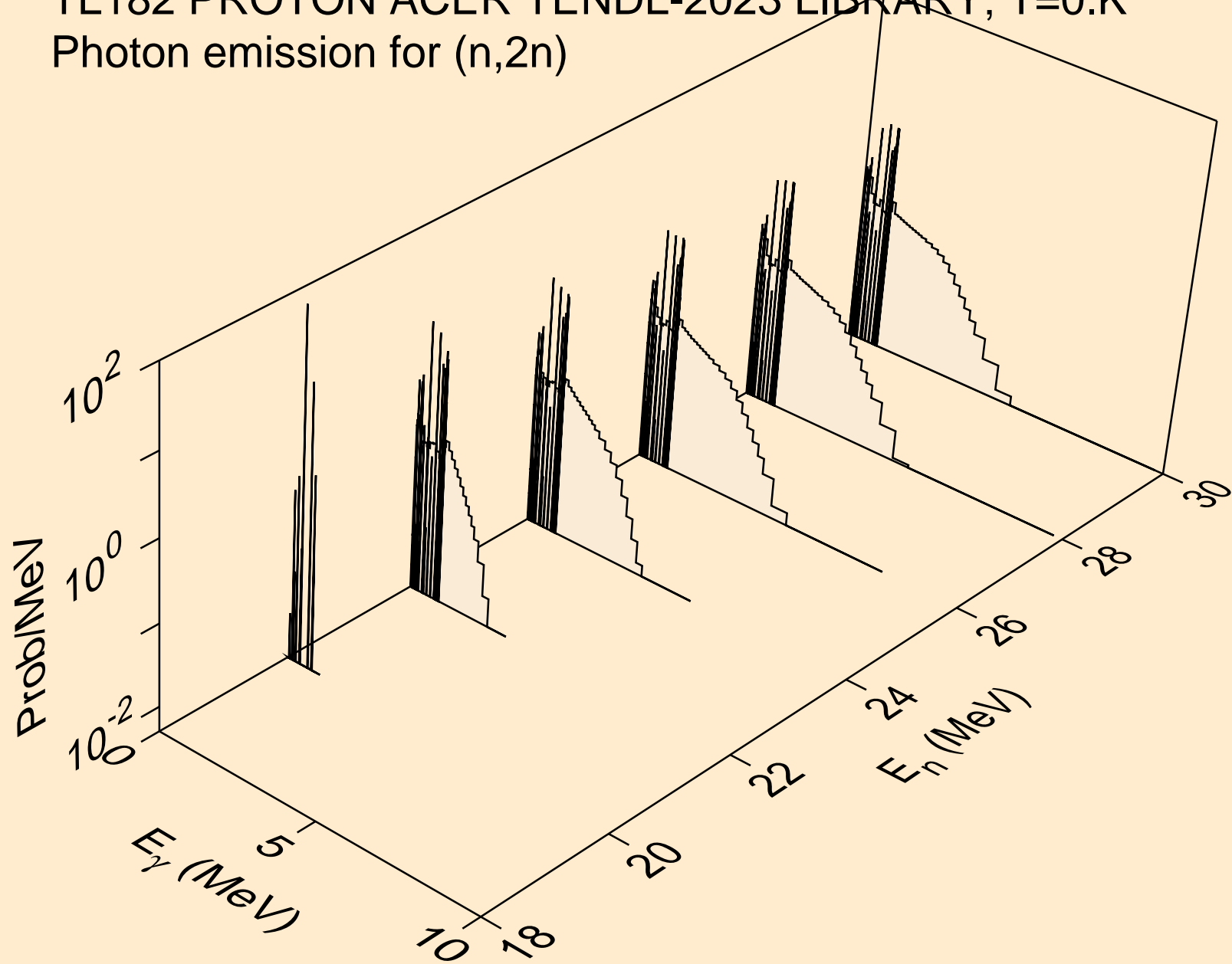
TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



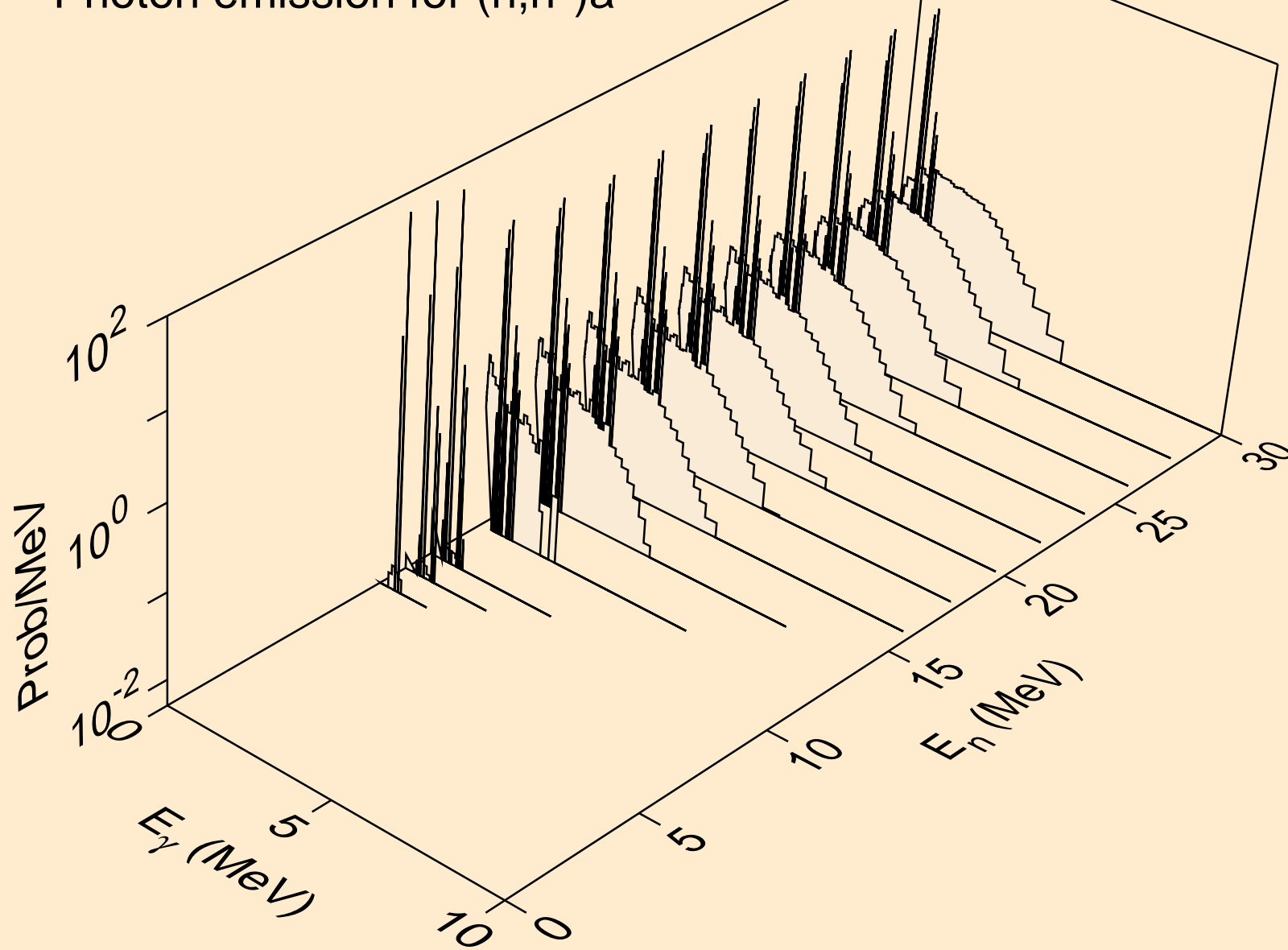
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Photon emission for (z,x)



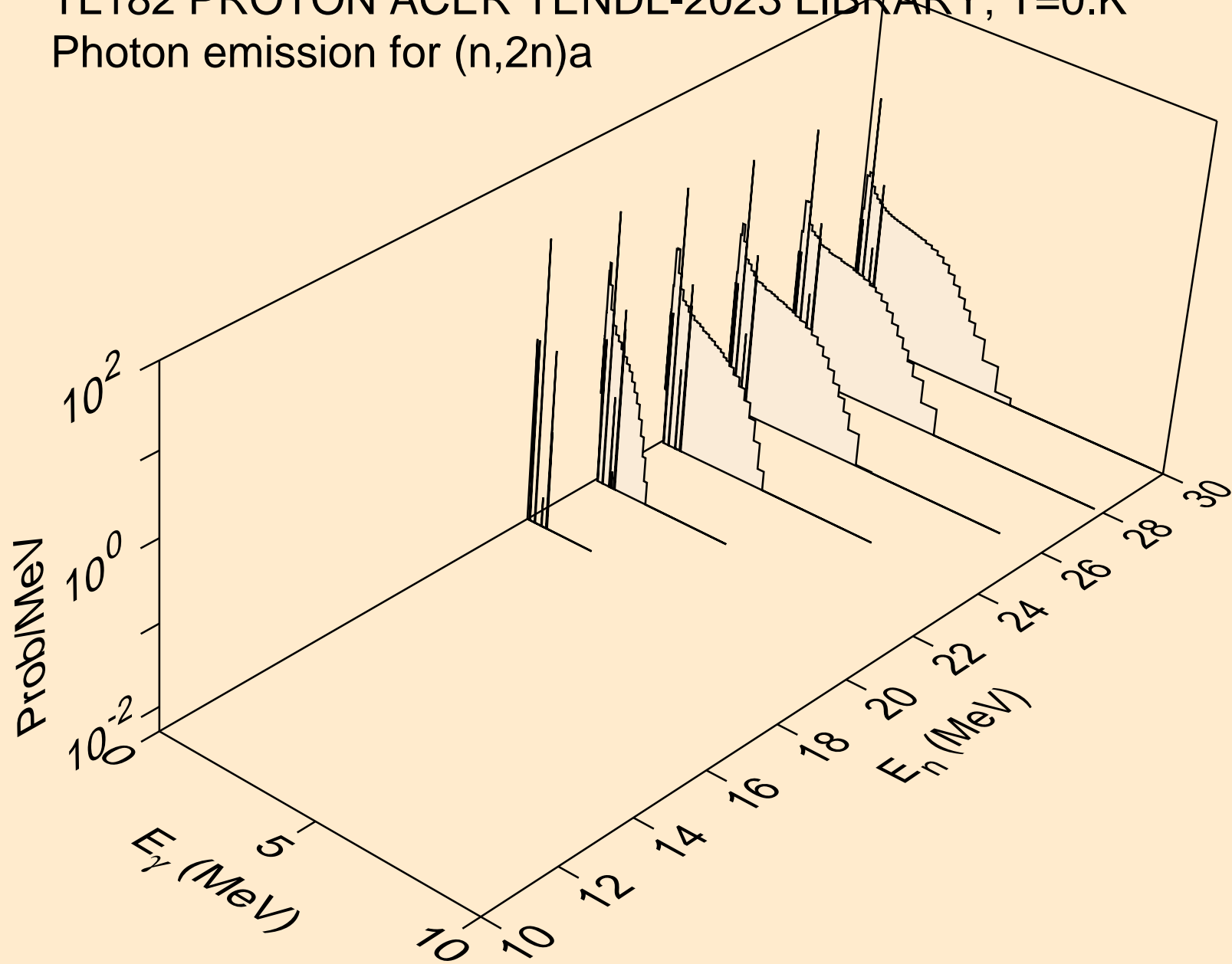
TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

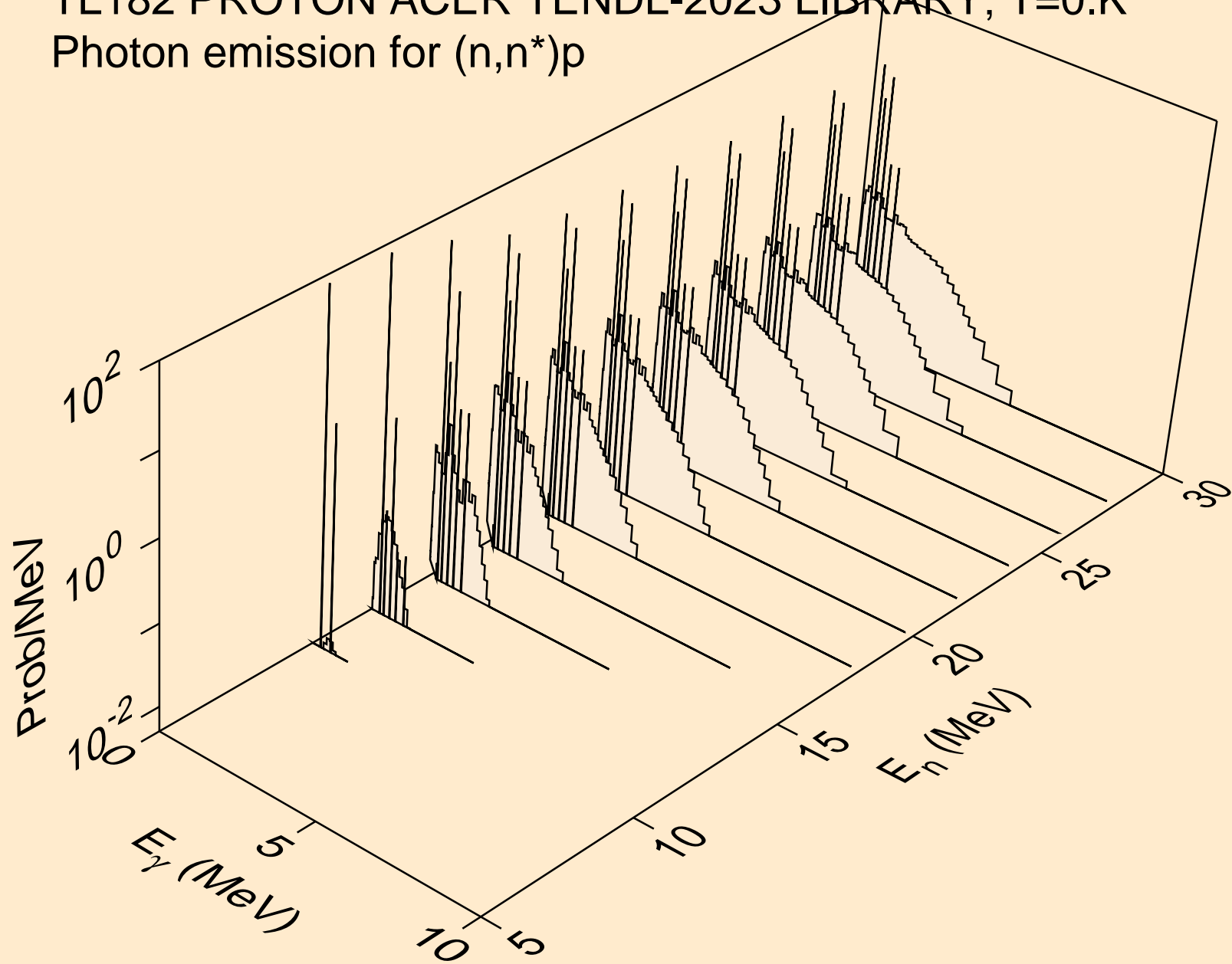


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Photon emission for (n,2n)a

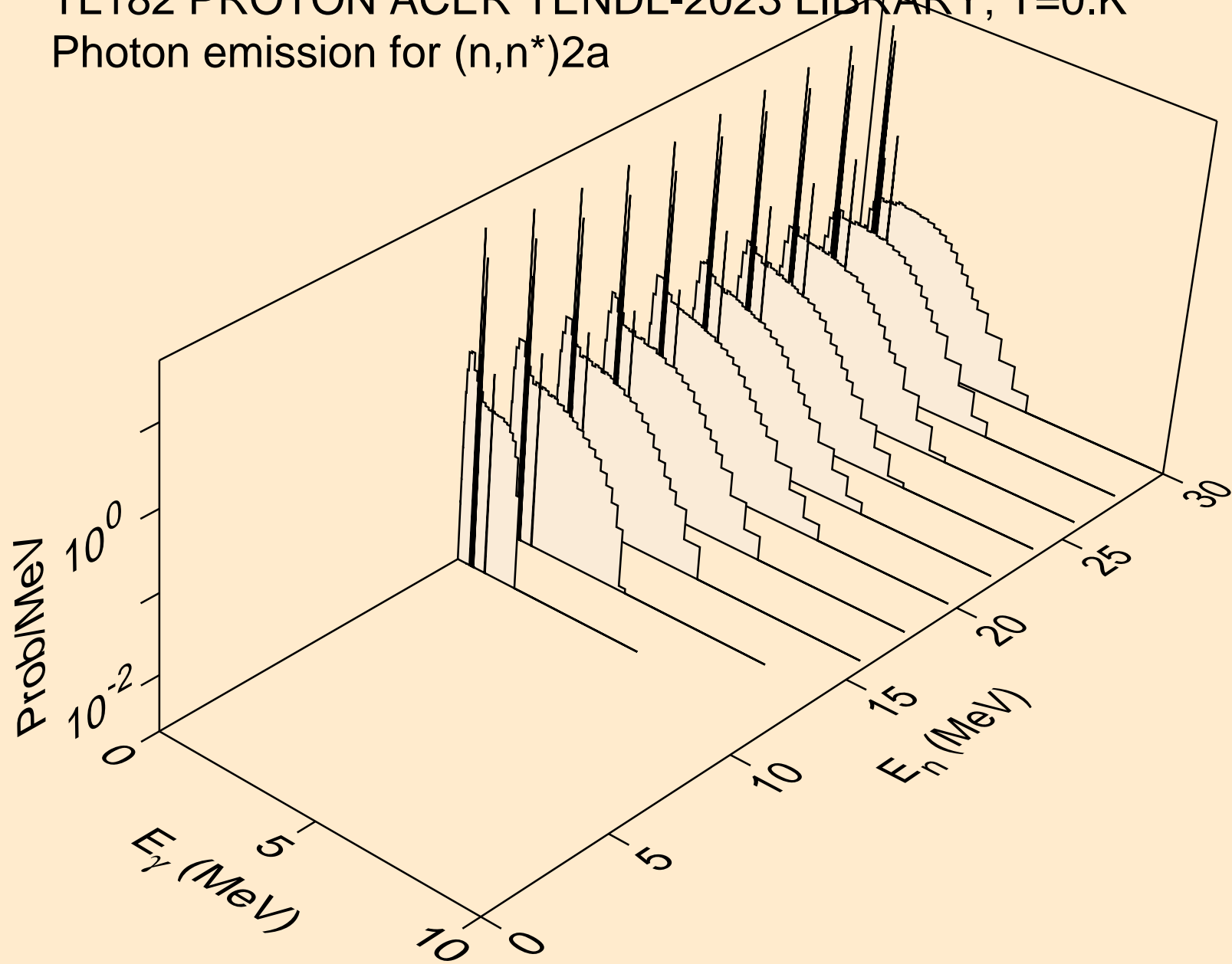




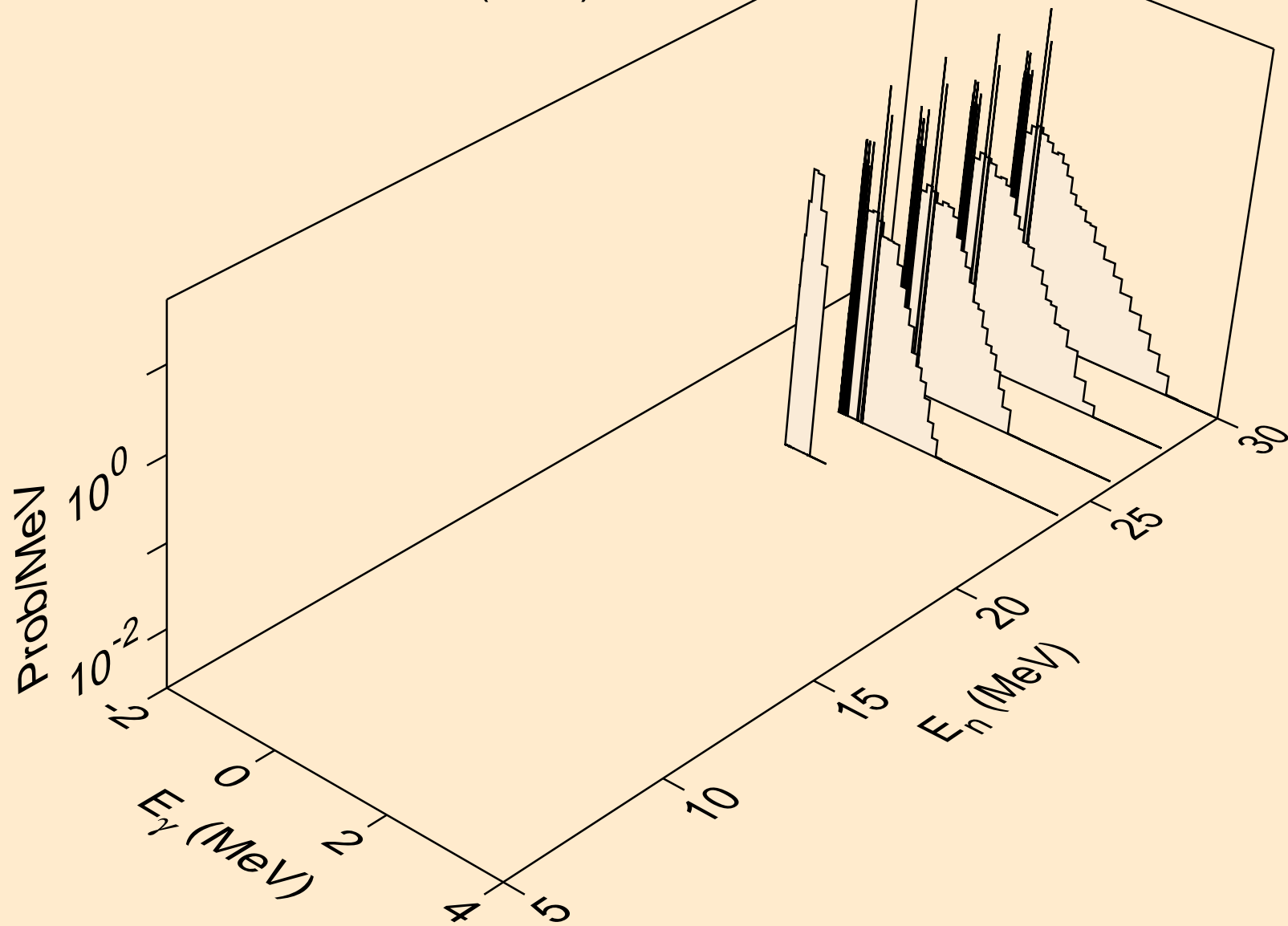
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Photon emission for (n,n\*)p



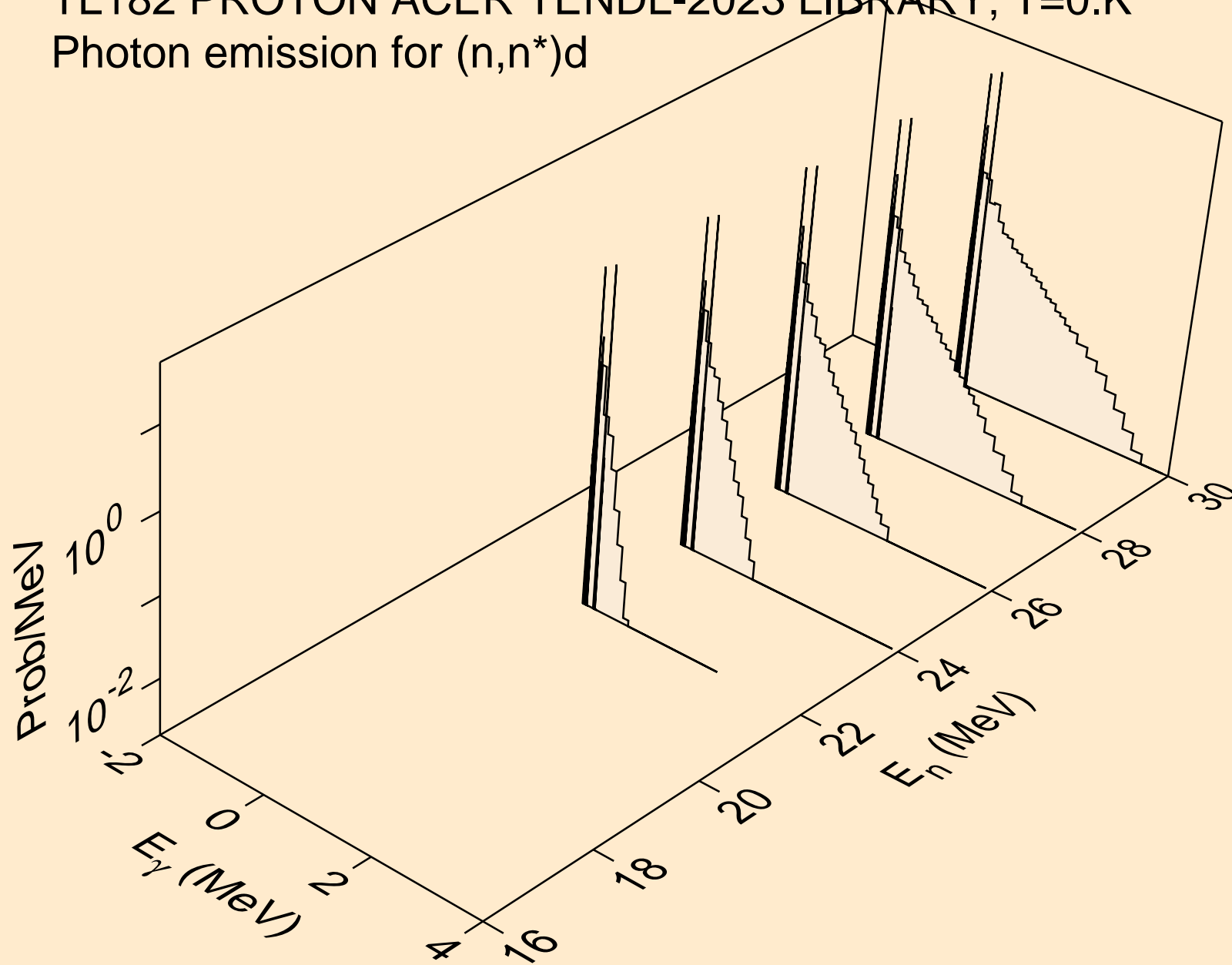
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Photon emission for (n,n\*)2a



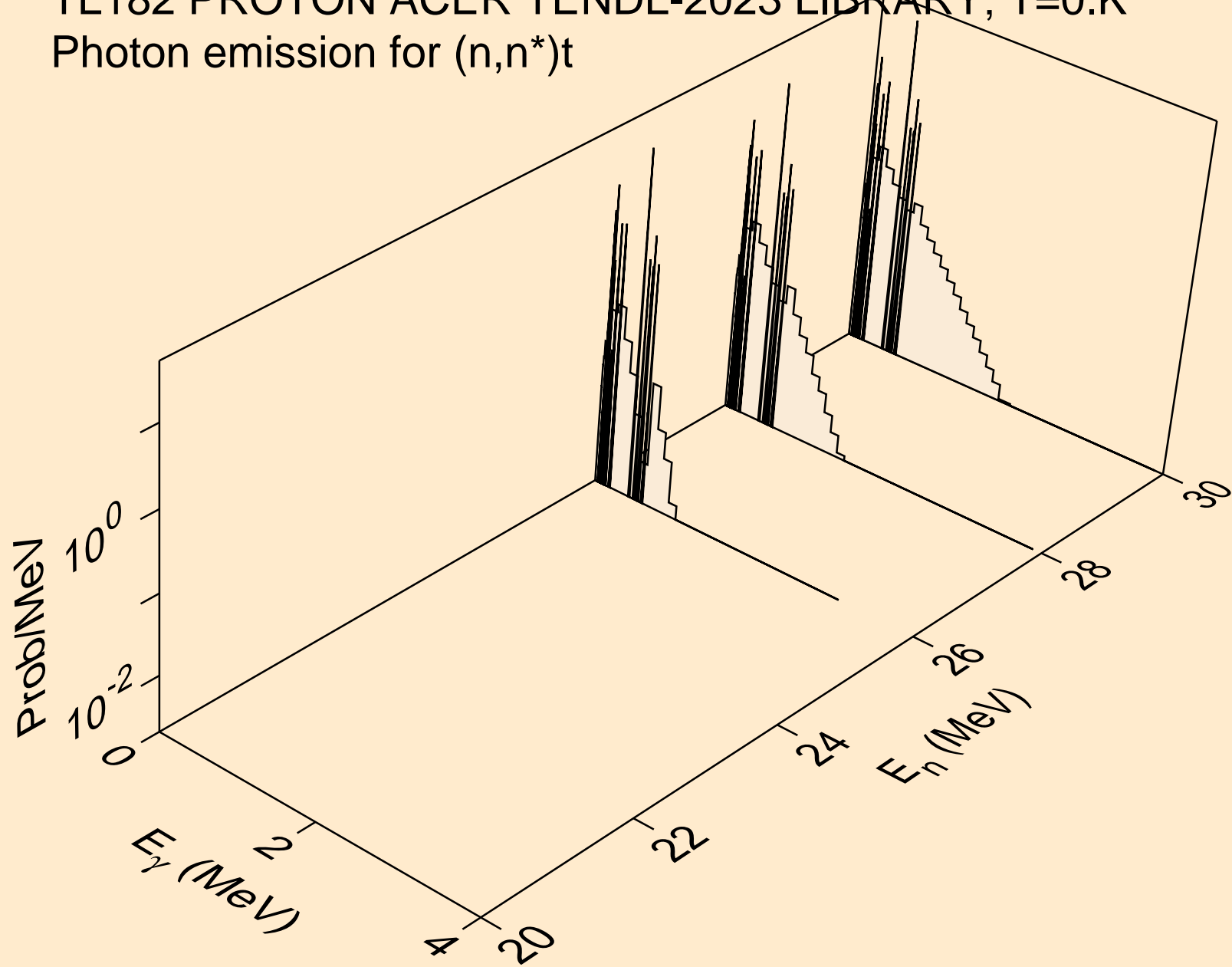
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Photon emission for (n,2n)2a



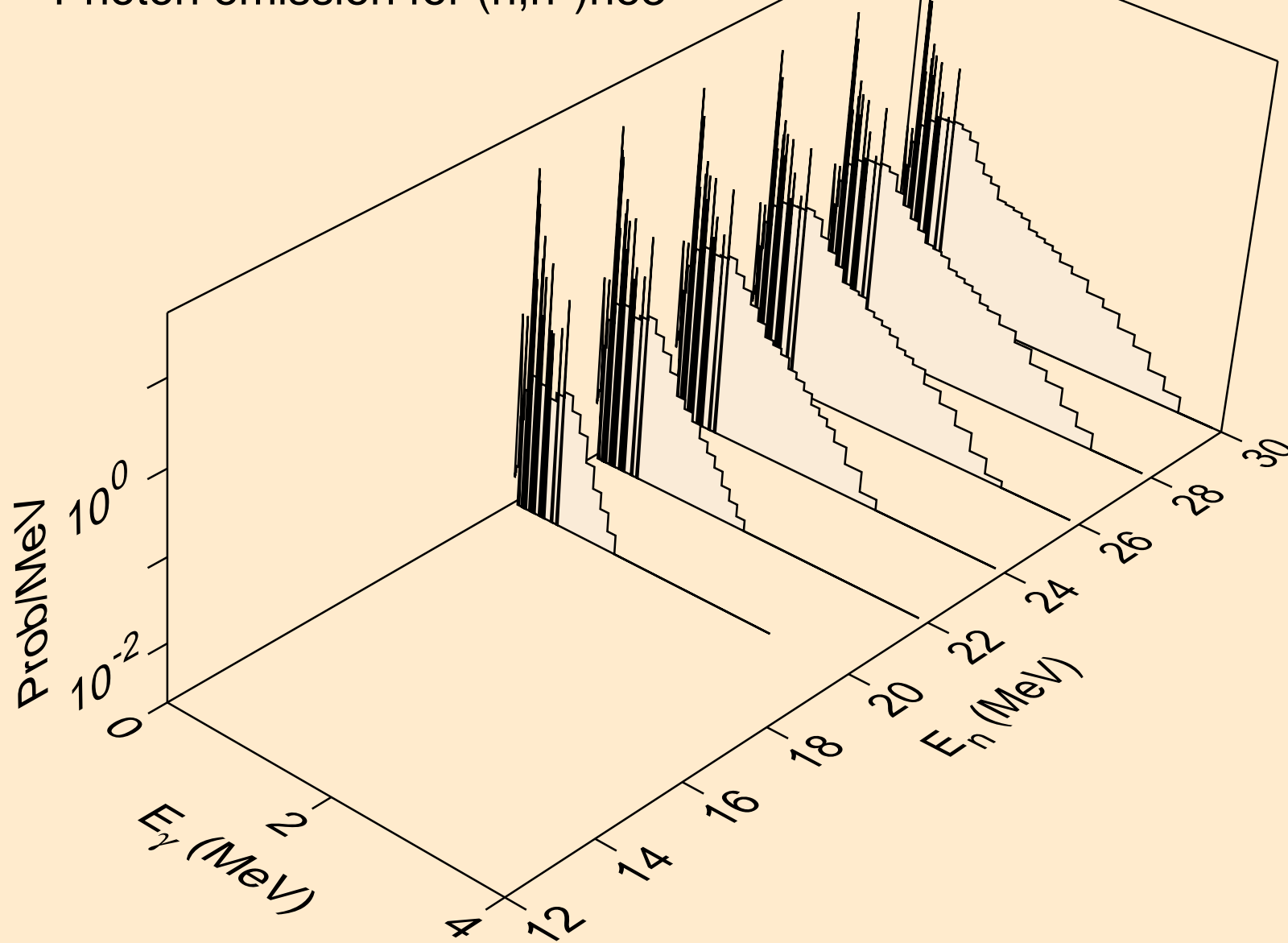
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Photon emission for (n,n\*)d



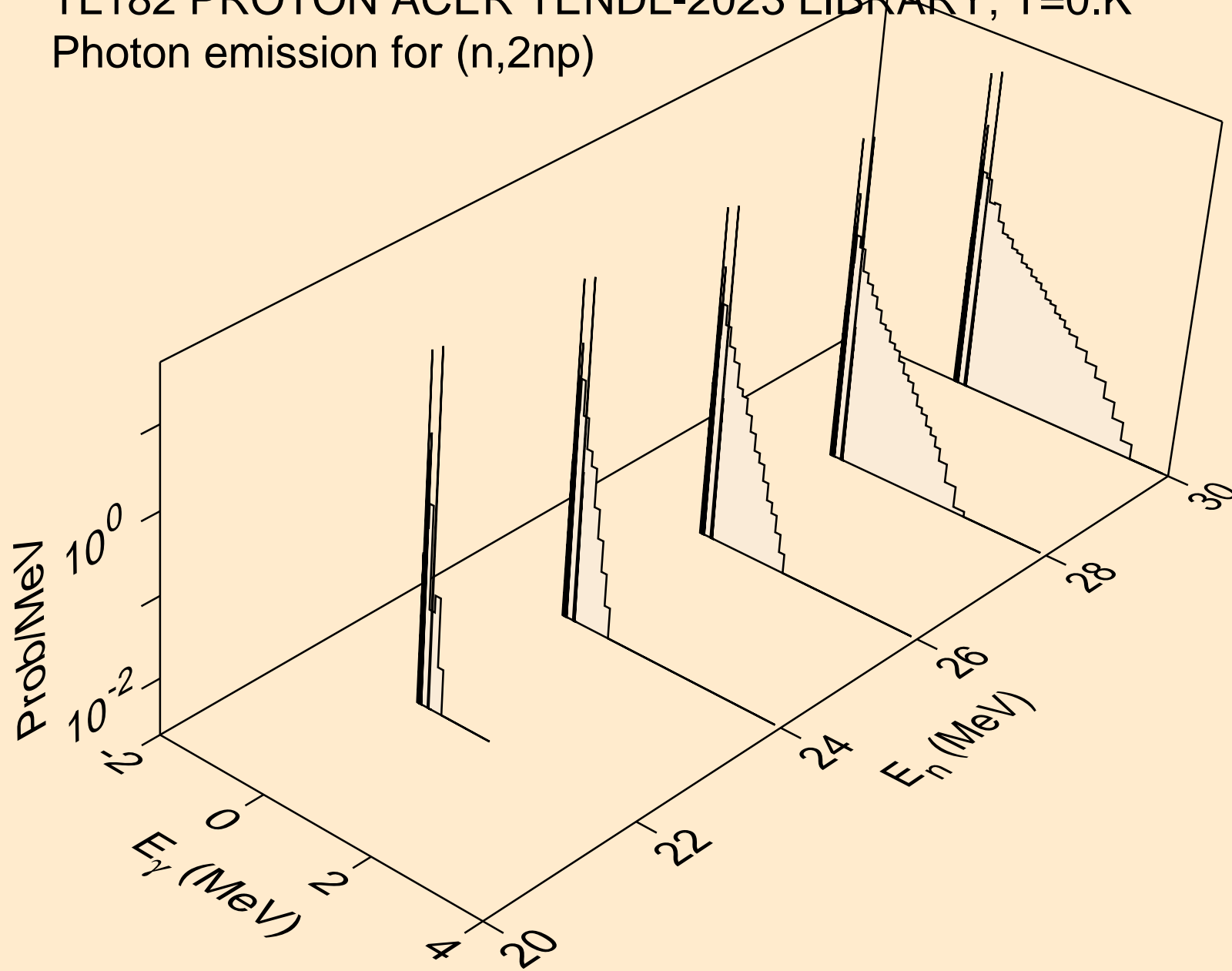
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Photon emission for (n,n\*)t



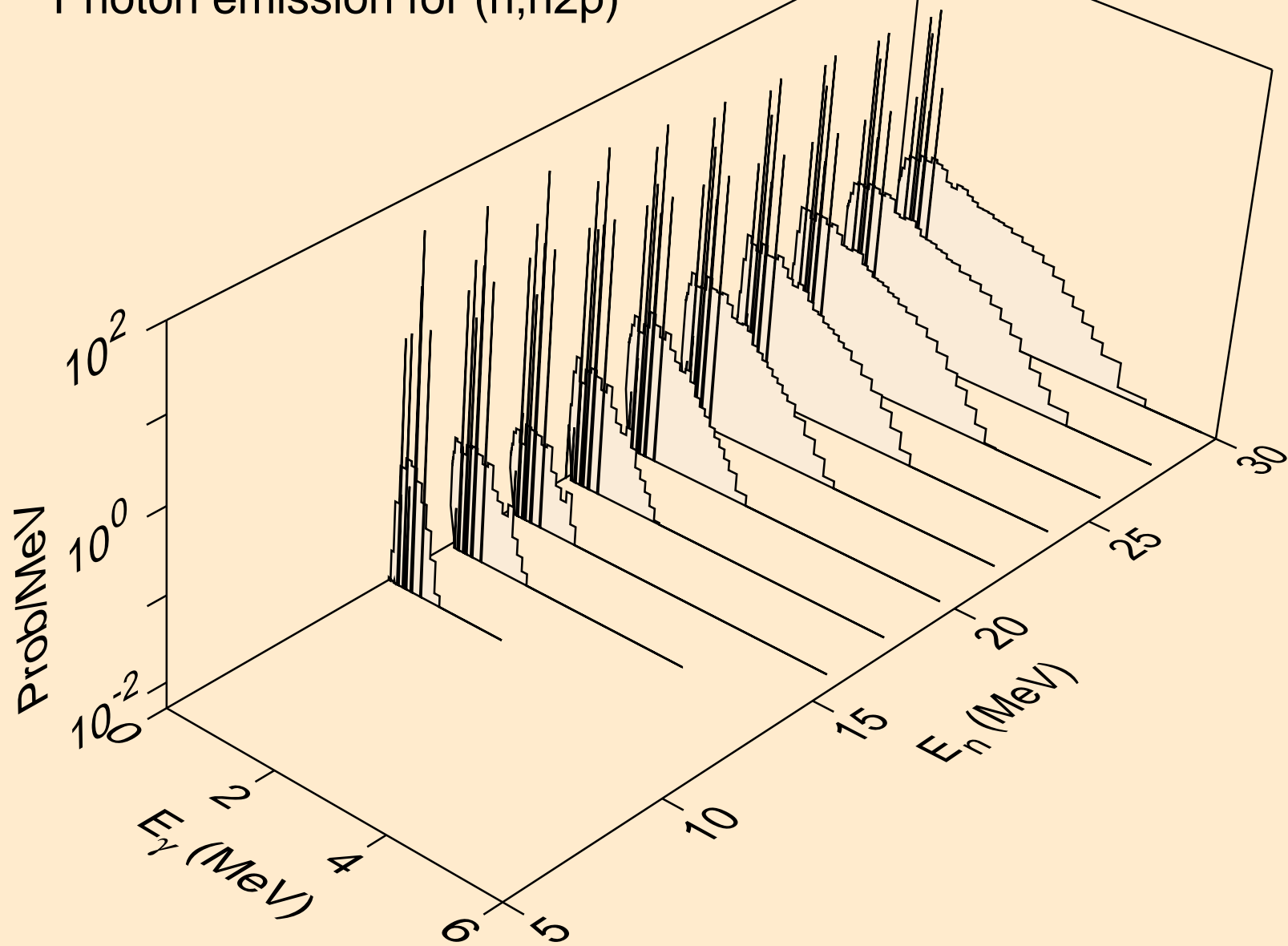
TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

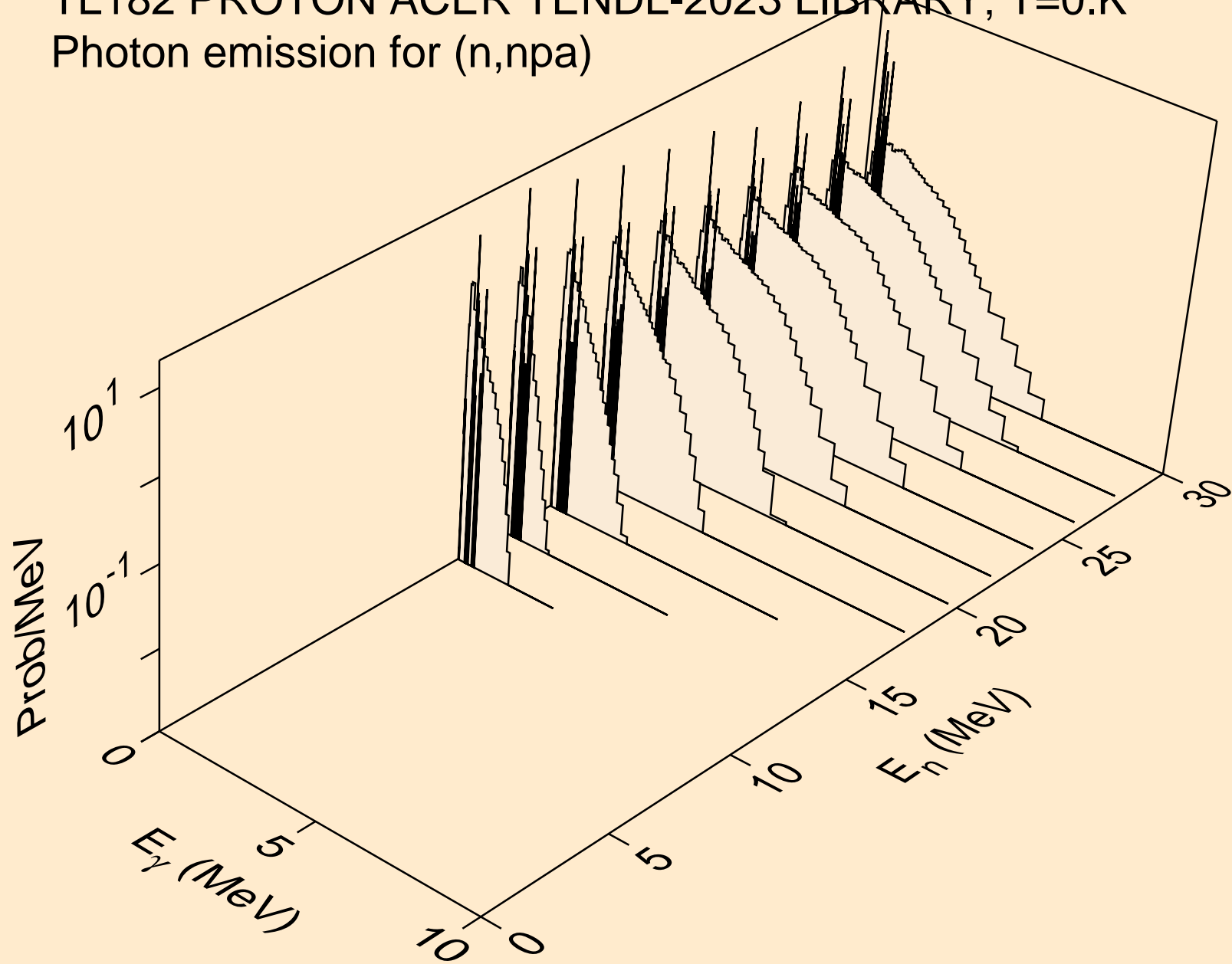


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Photon emission for (n,n2p)

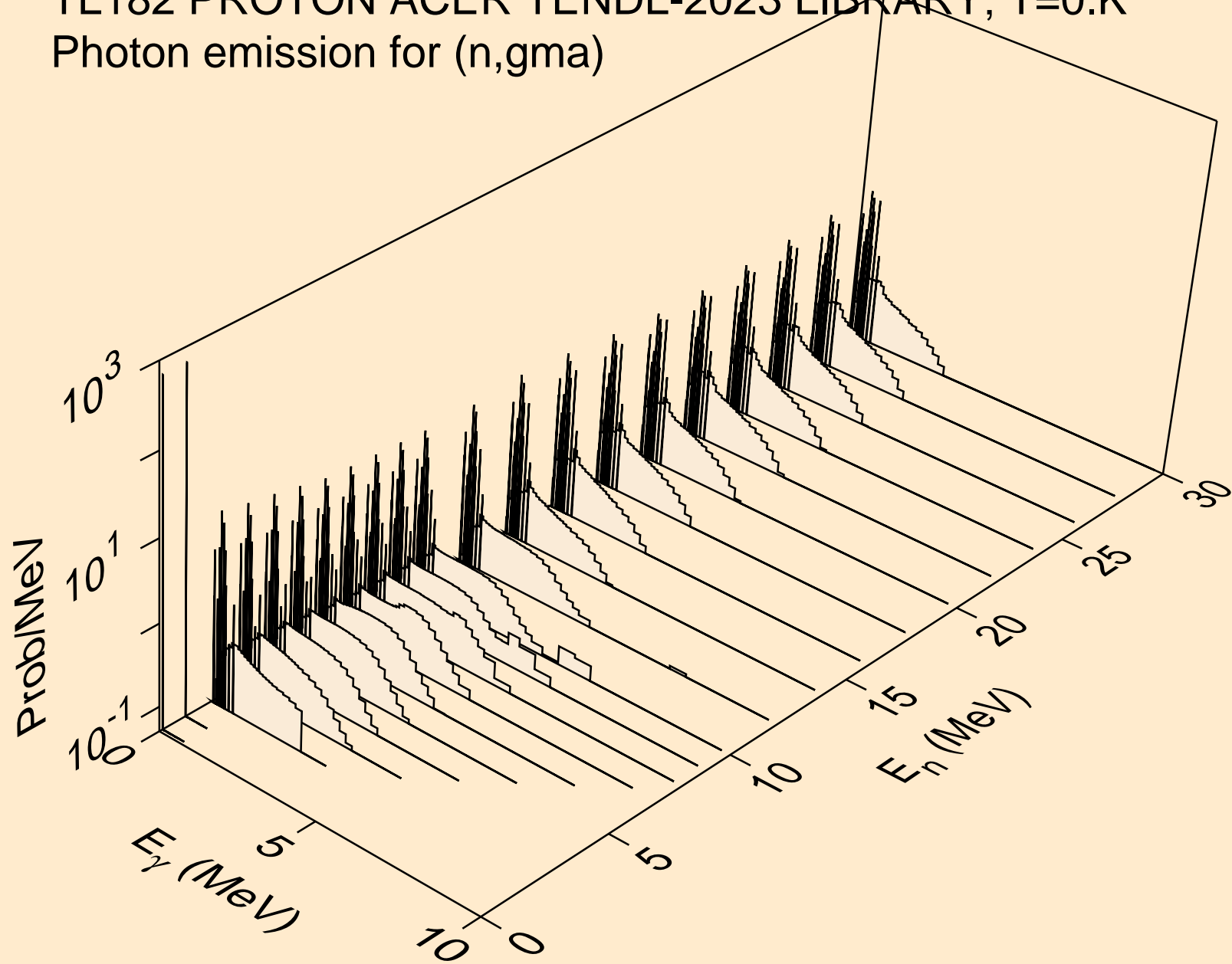




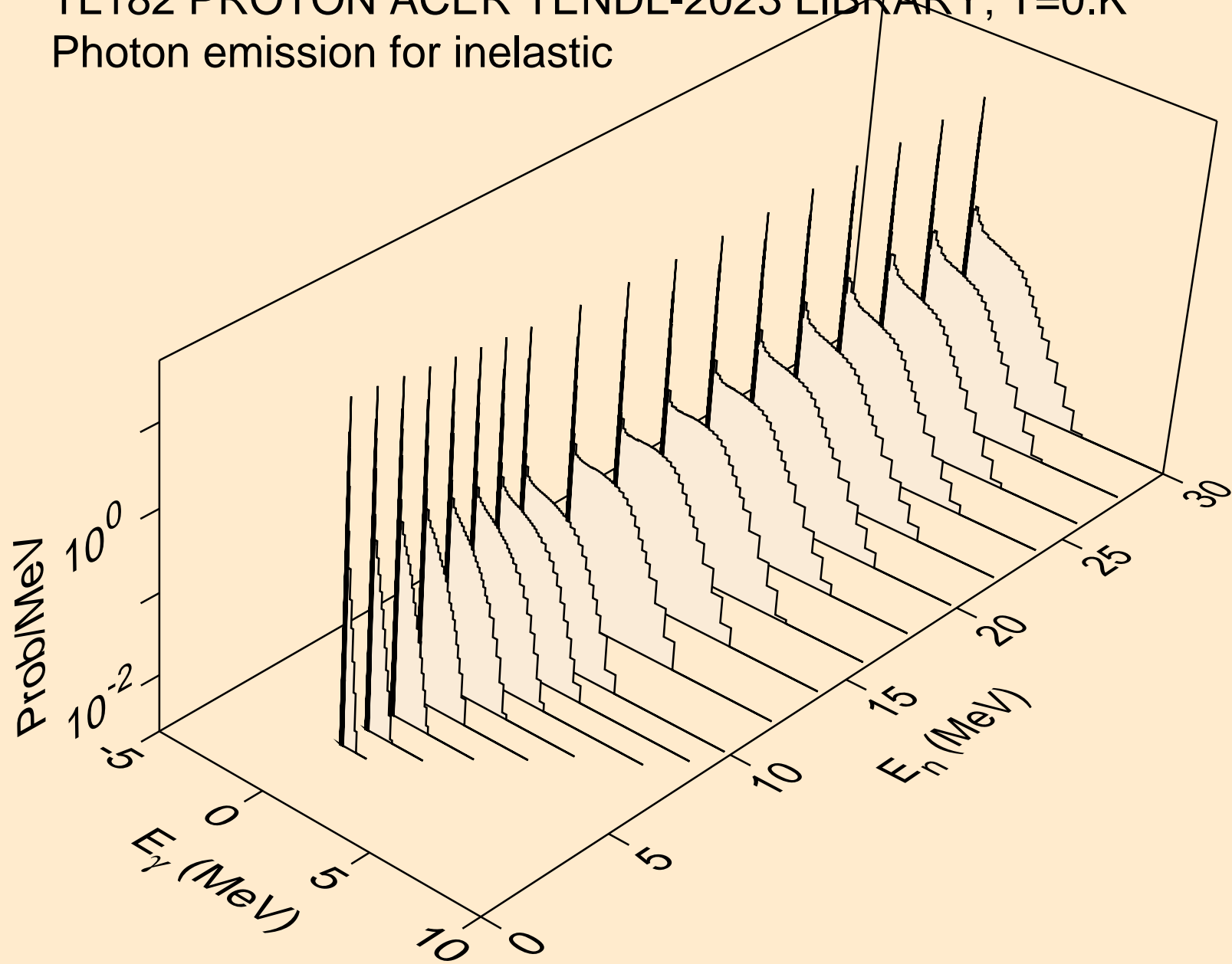
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Photon emission for (n,npa)



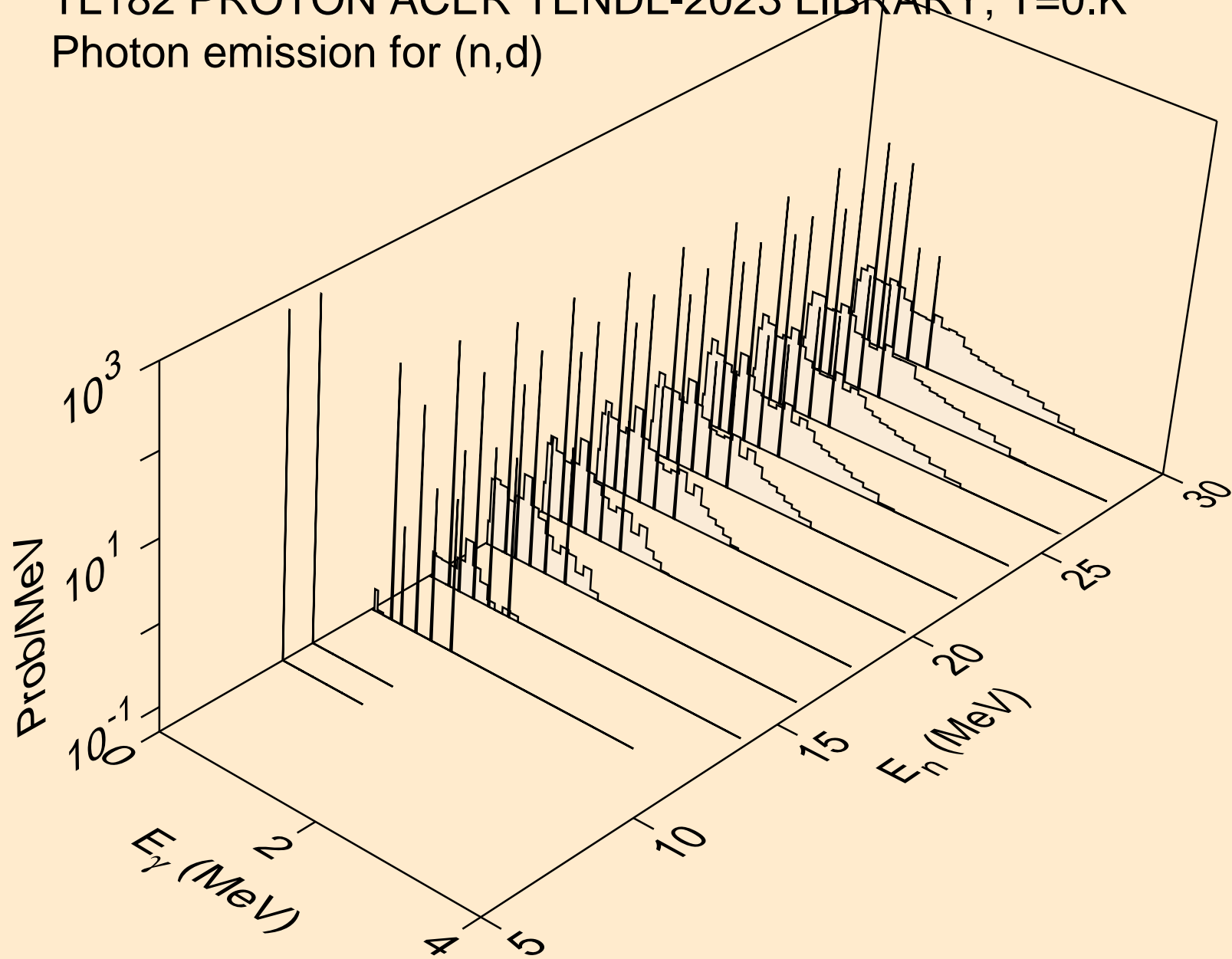
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Photon emission for (n,gma)



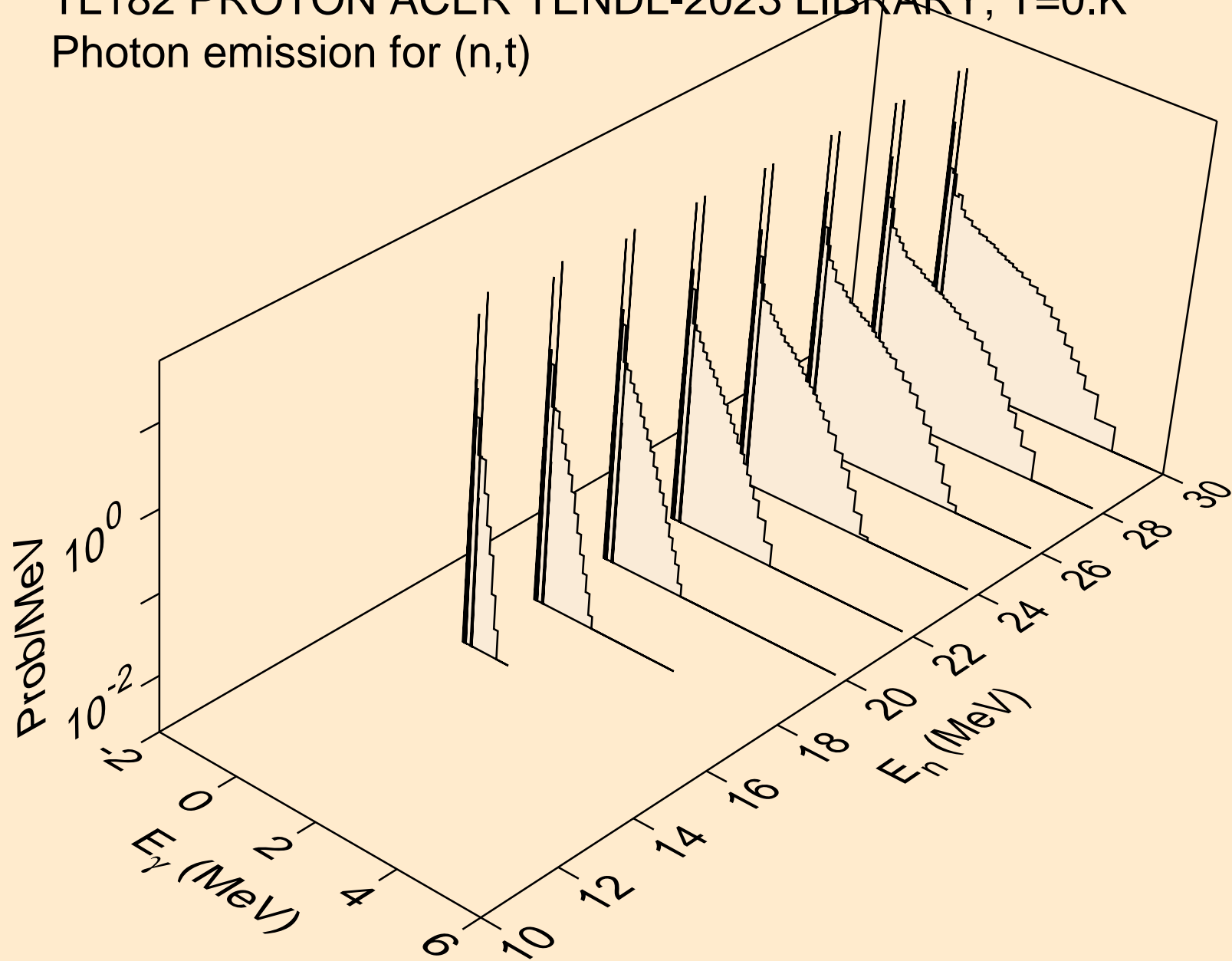
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Photon emission for inelastic



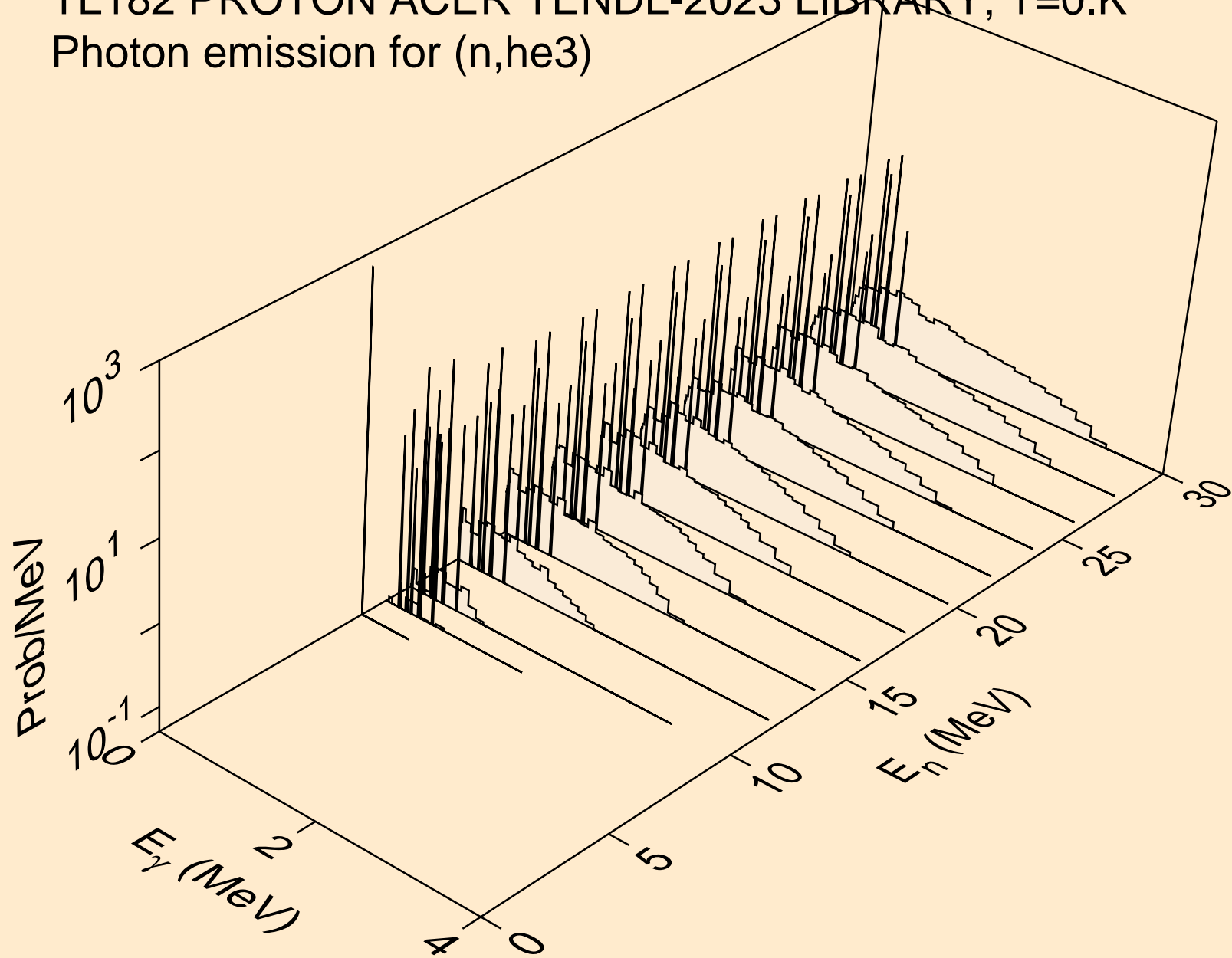
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Photon emission for (n,d)



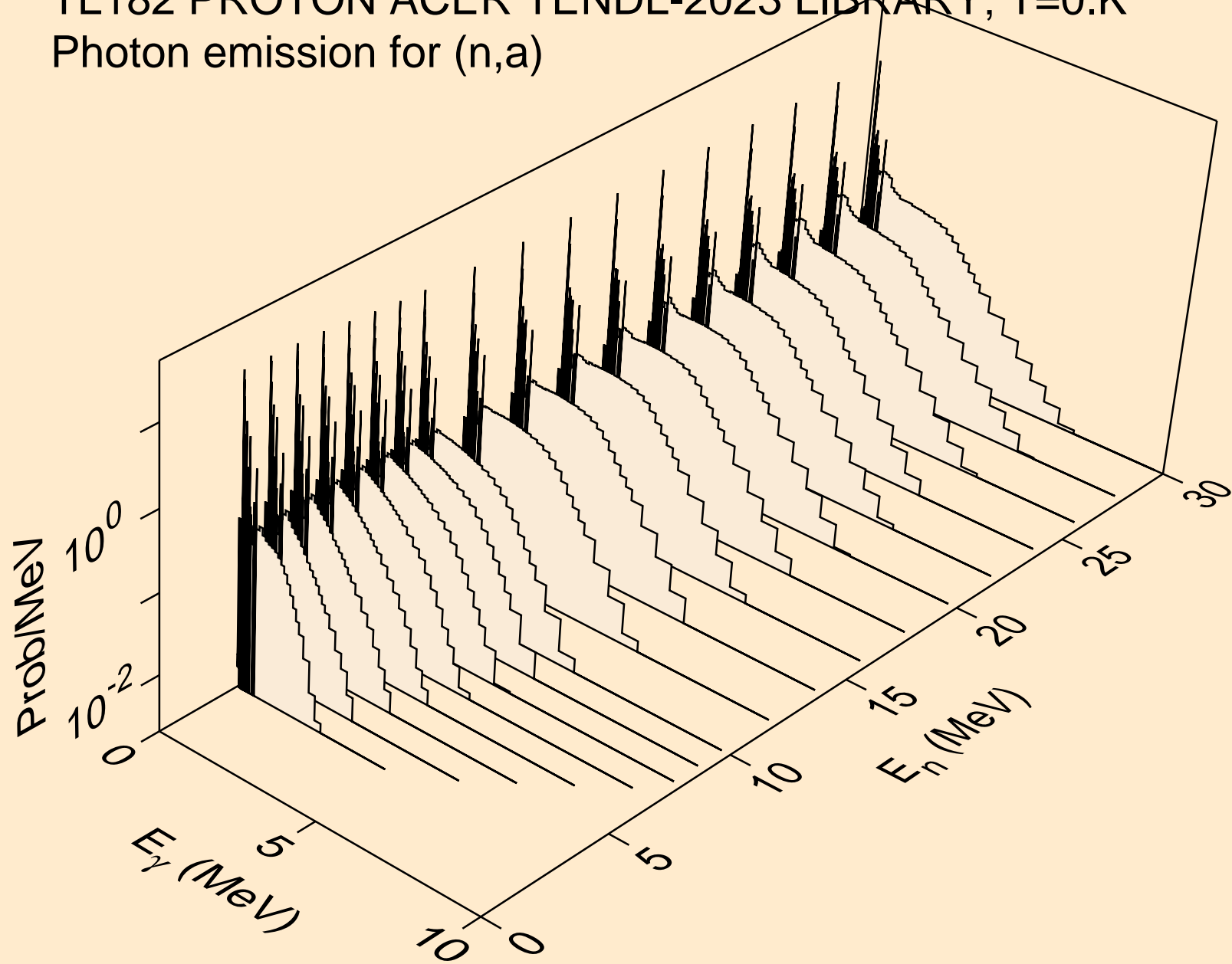
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Photon emission for (n,t)



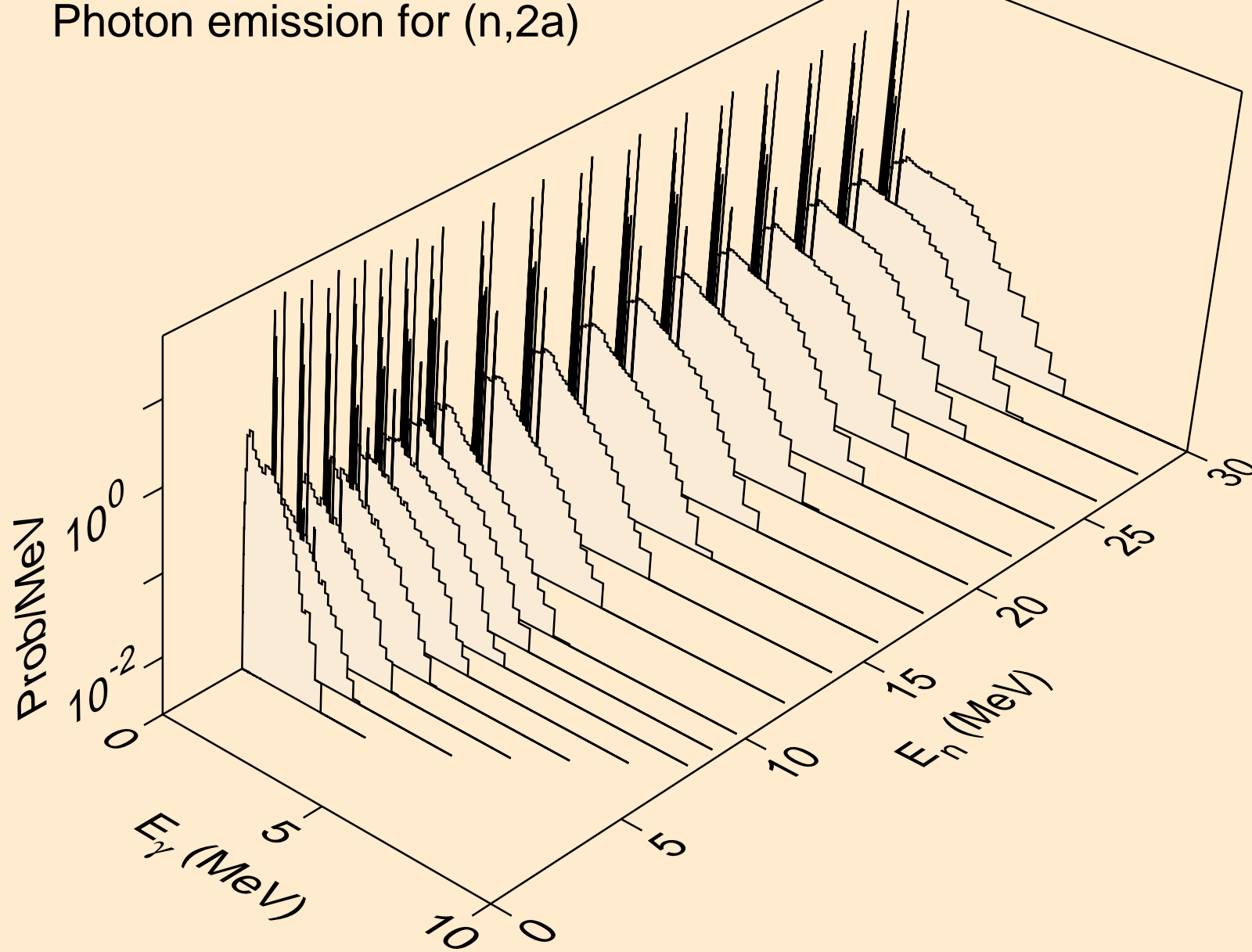
TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

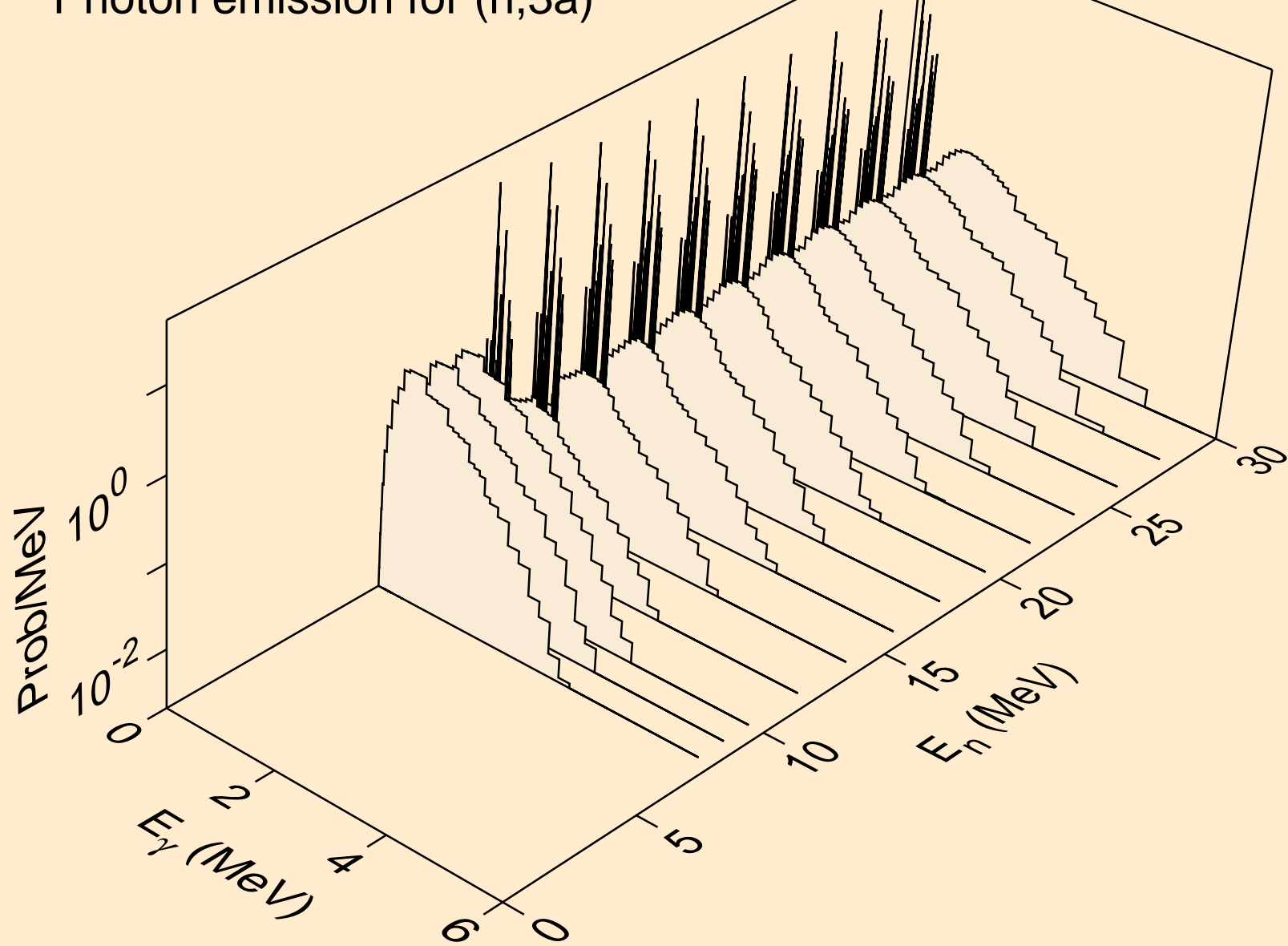


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Photon emission for (n,2a)

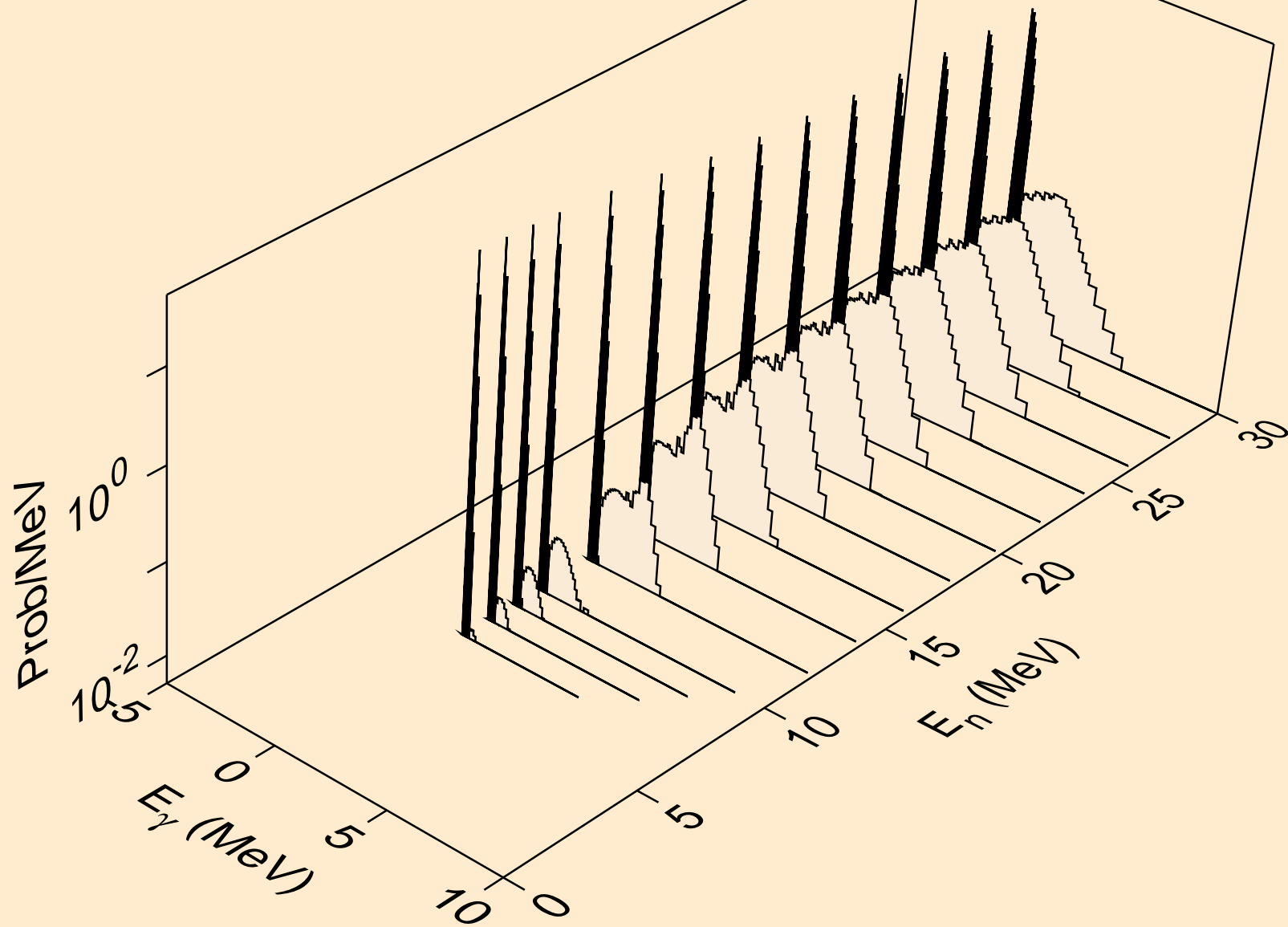




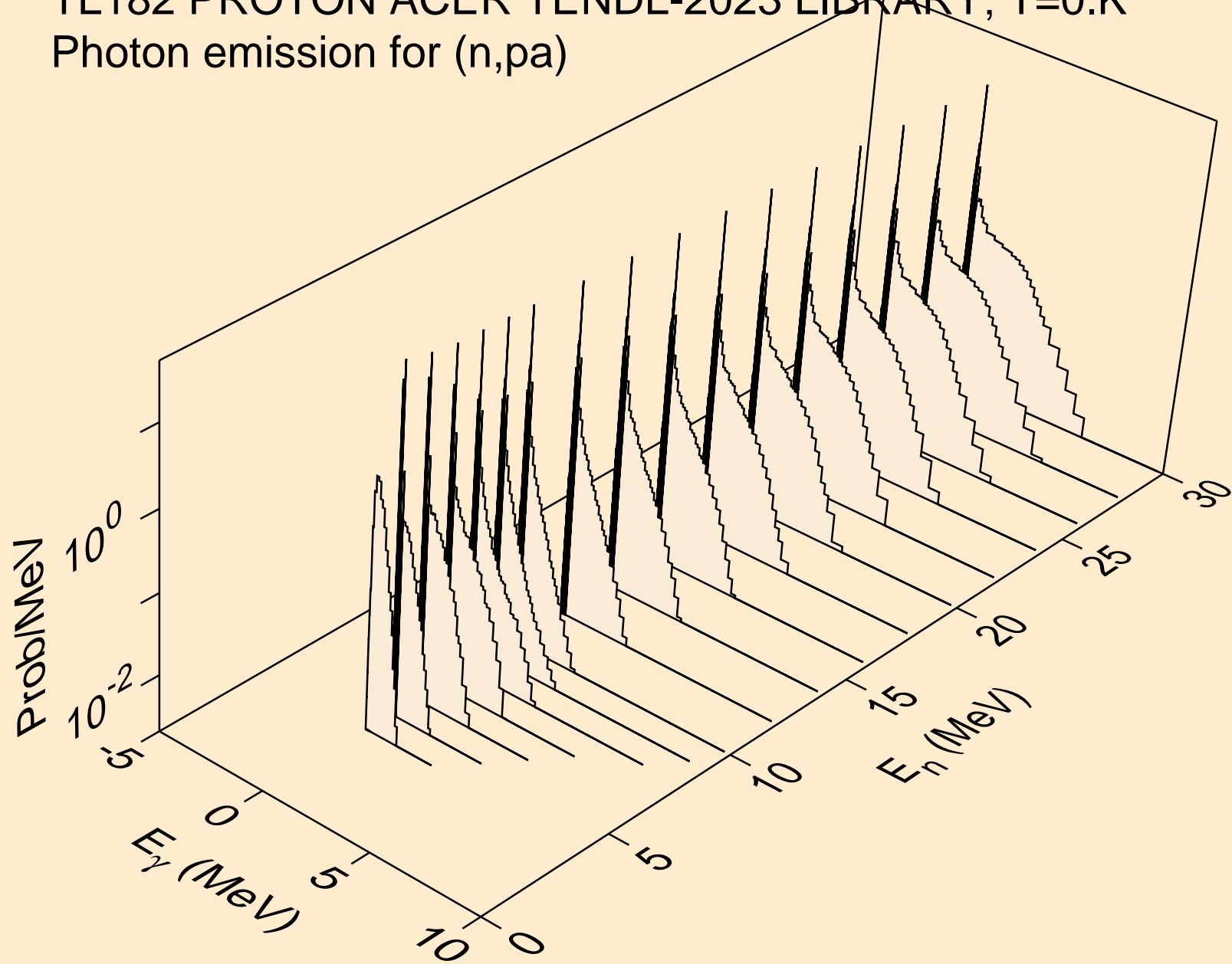
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Photon emission for (n,3a)



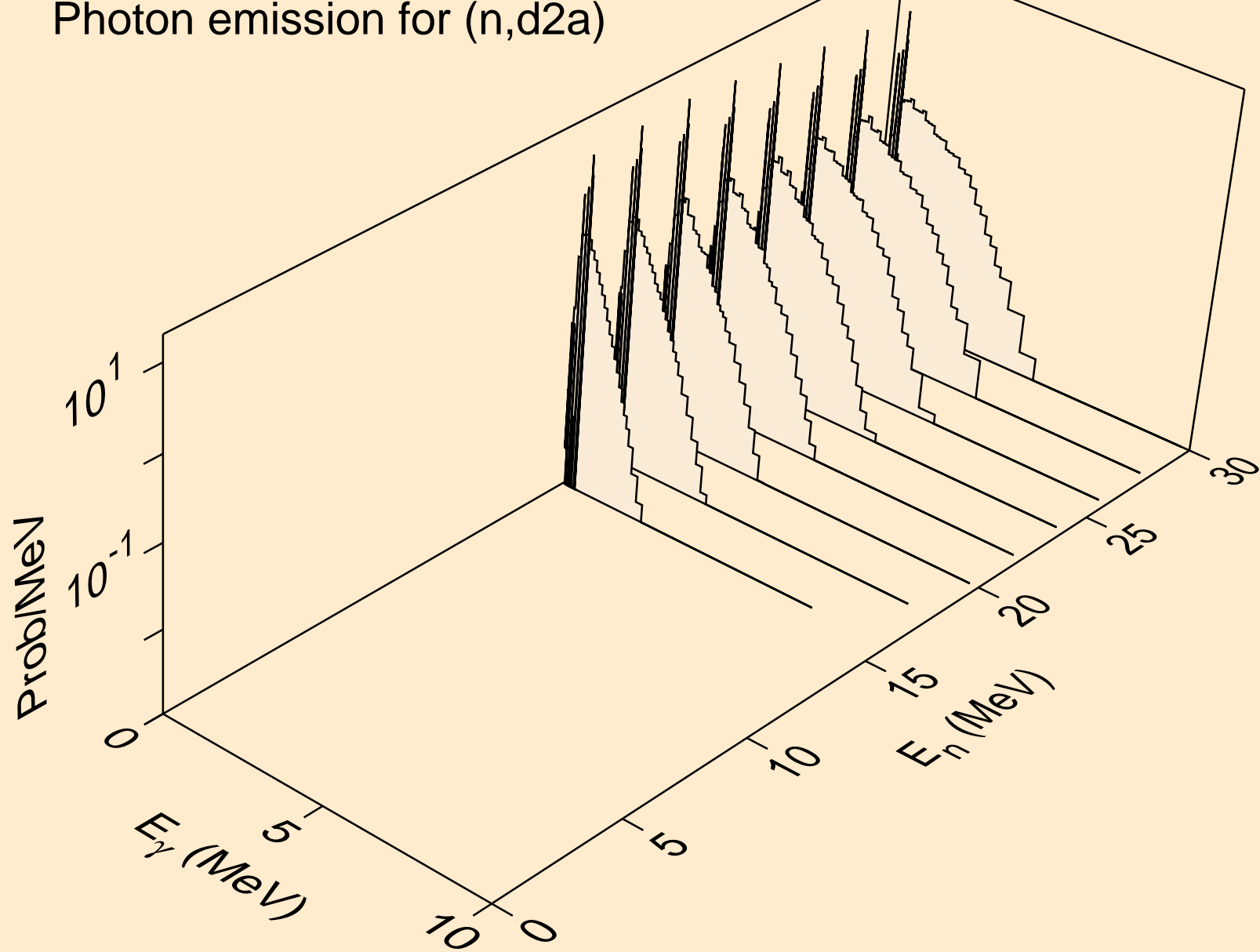
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Photon emission for (n,2p)



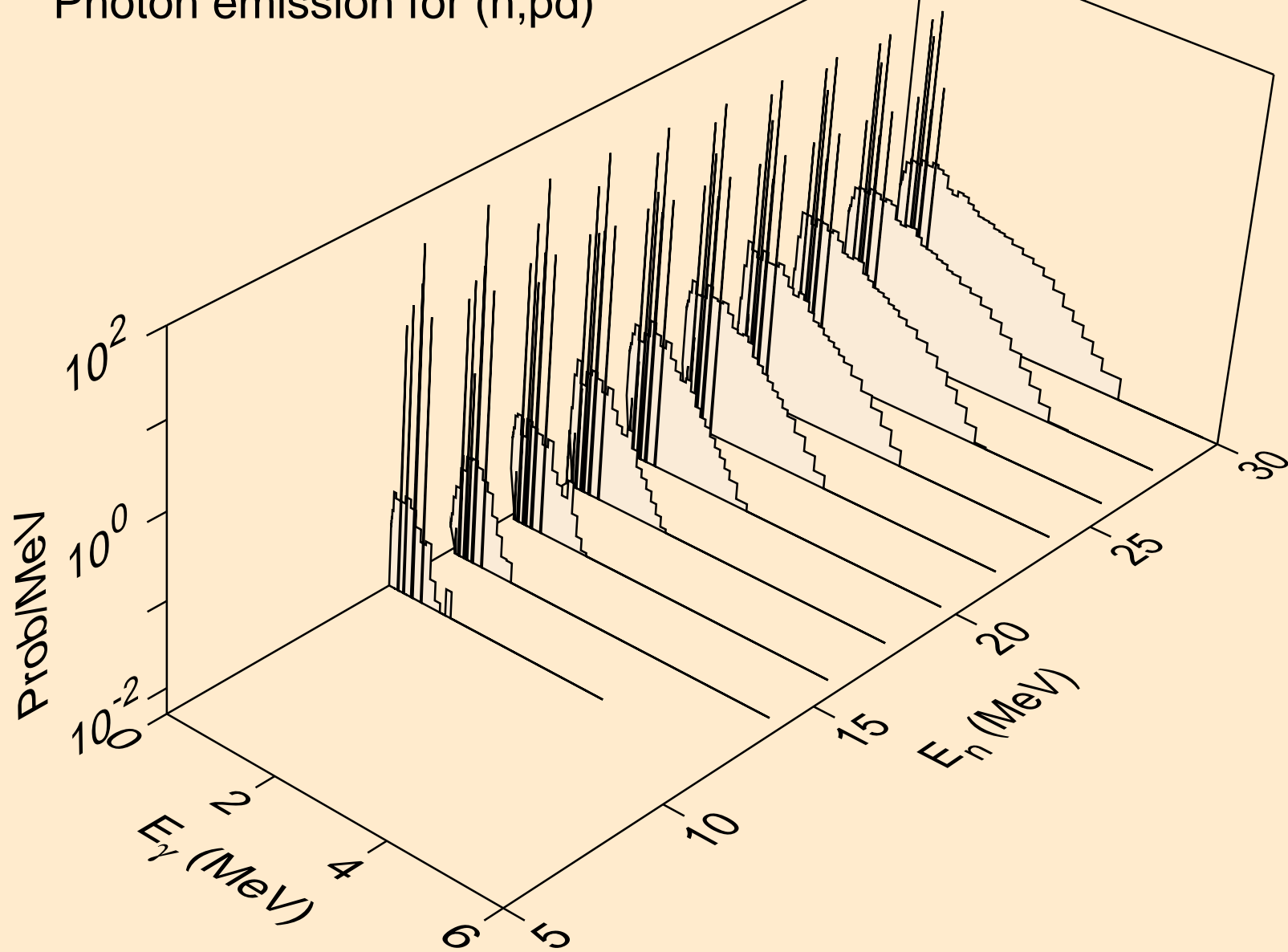
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Photon emission for (n,pa)



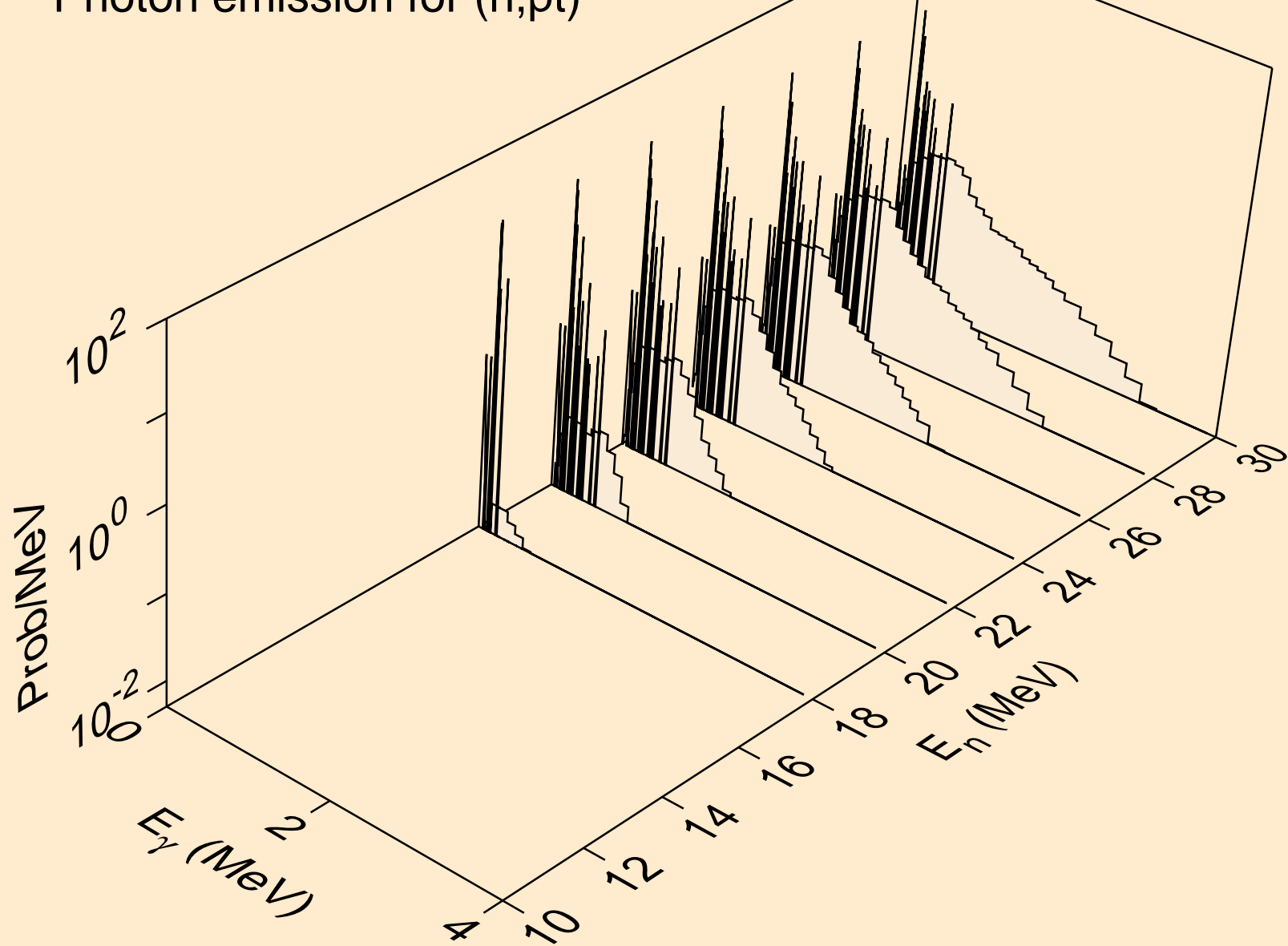
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Photon emission for (n,d2a)



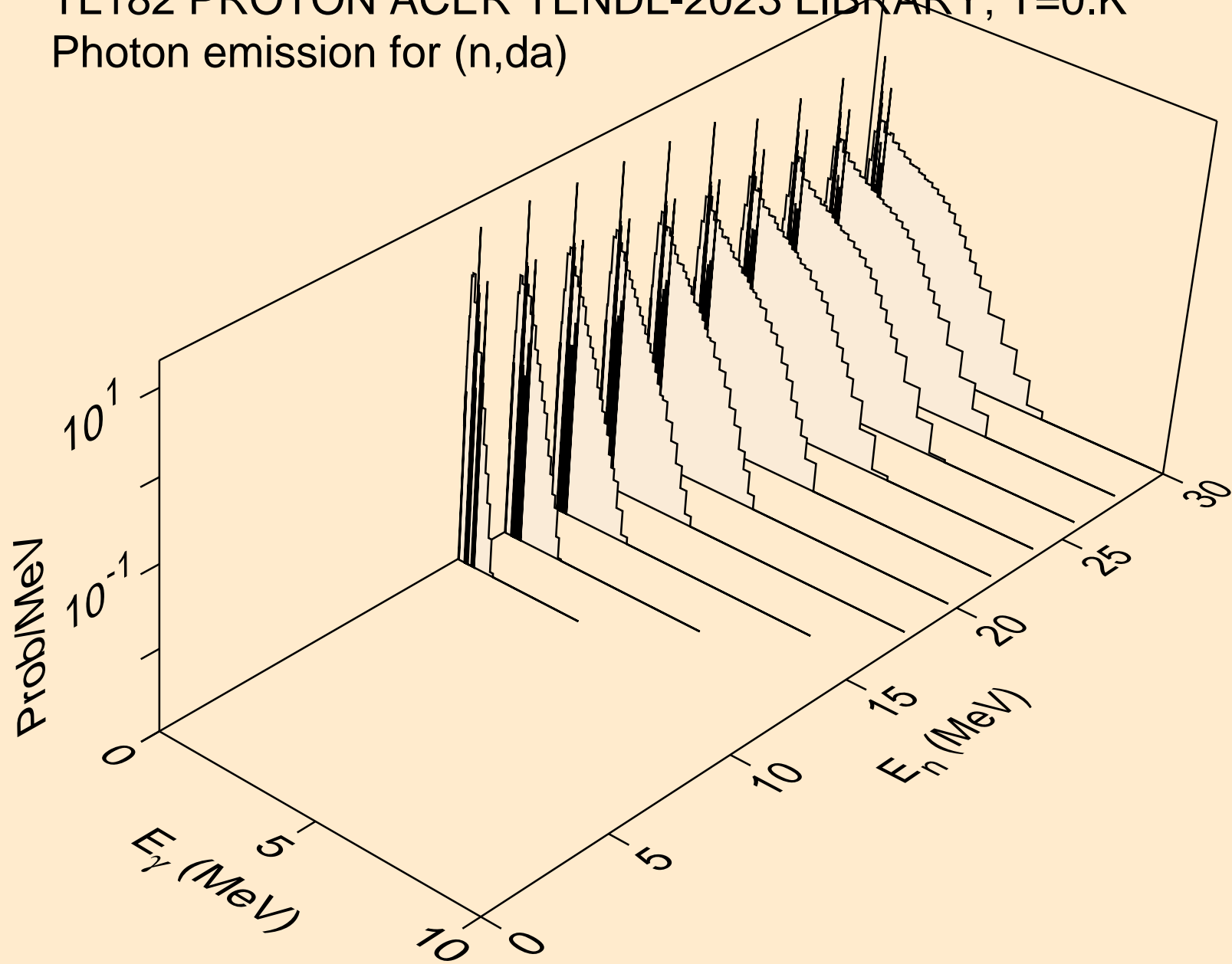
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Photon emission for (n,pd)



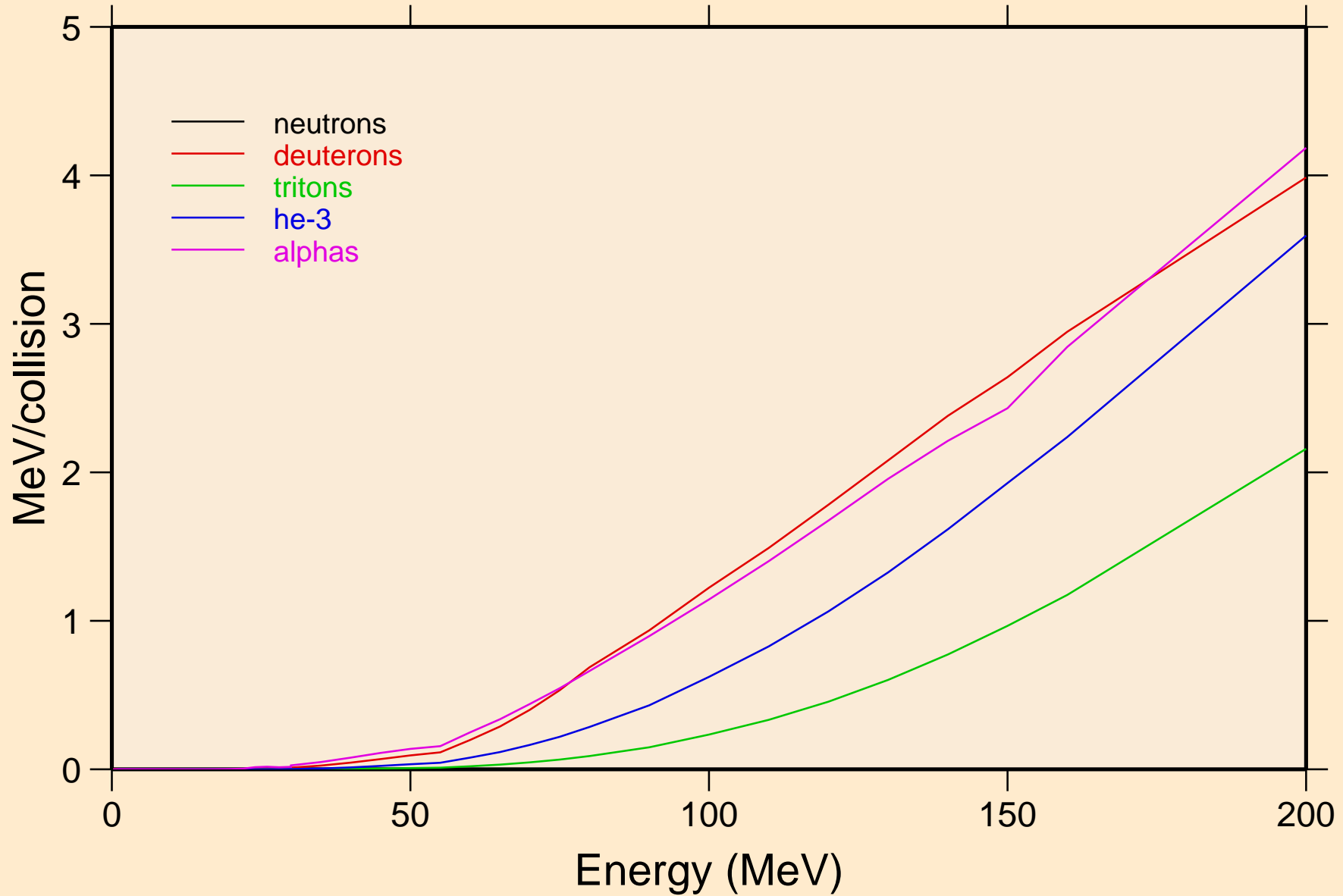
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Photon emission for (n,pt)



TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)

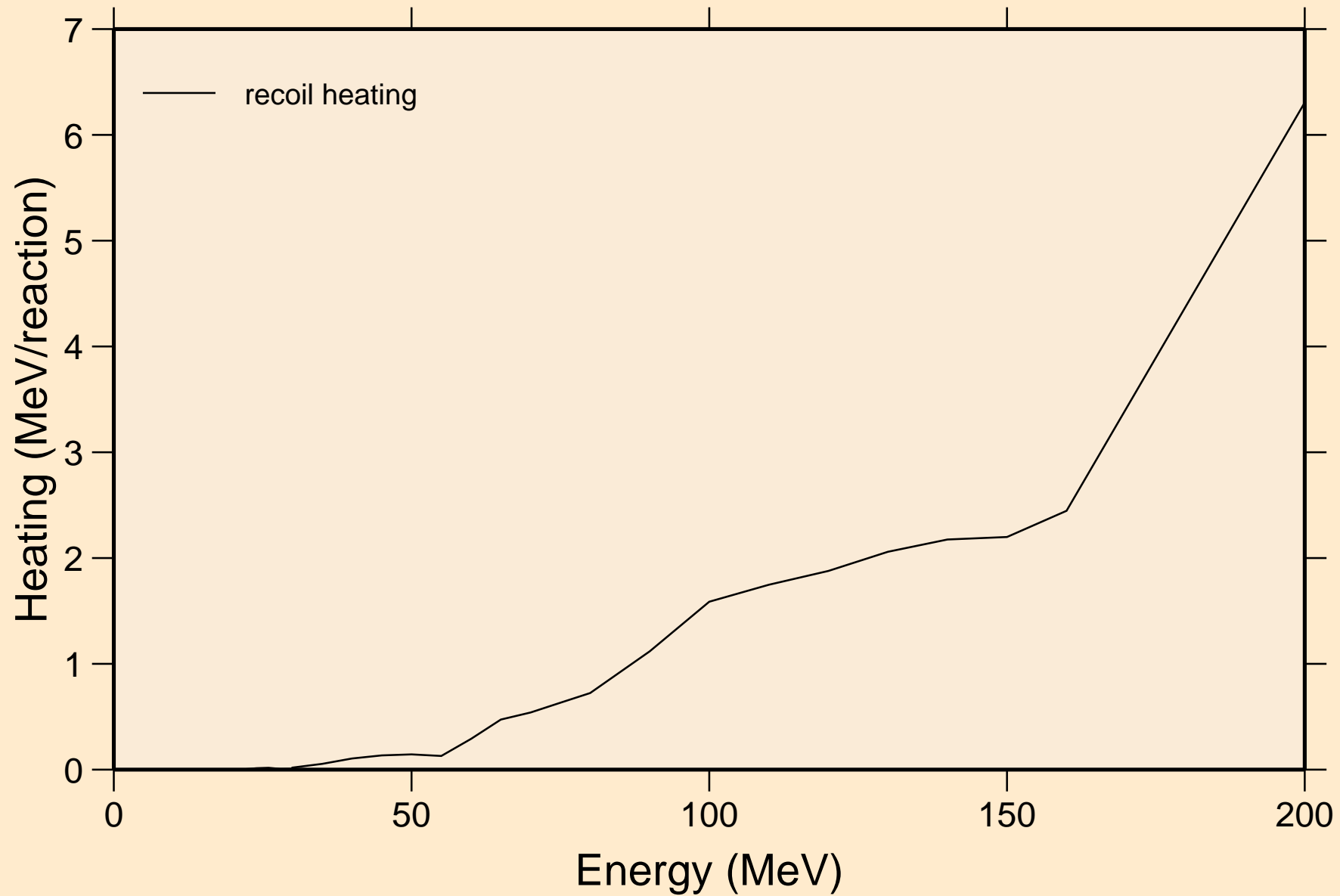


TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions

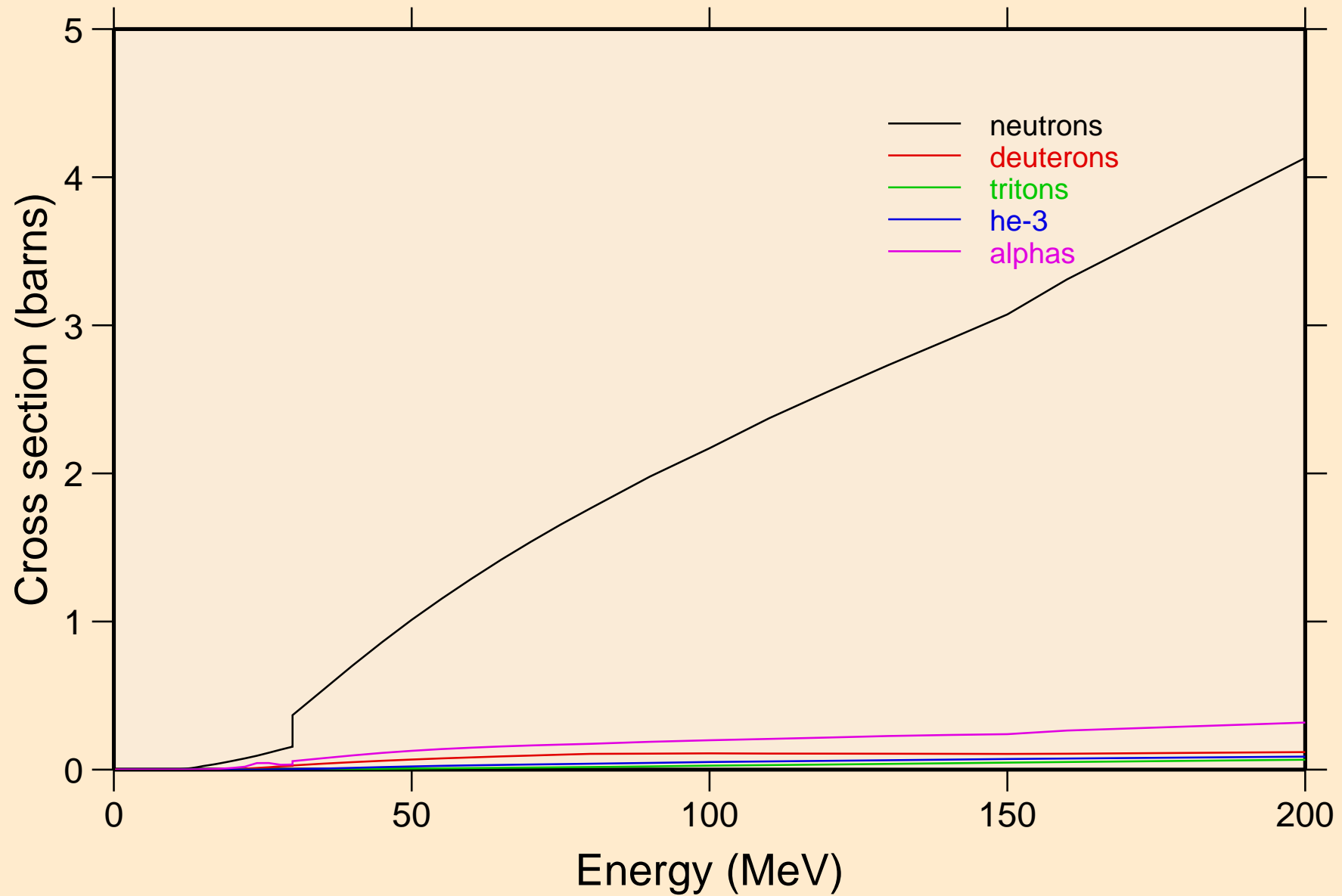




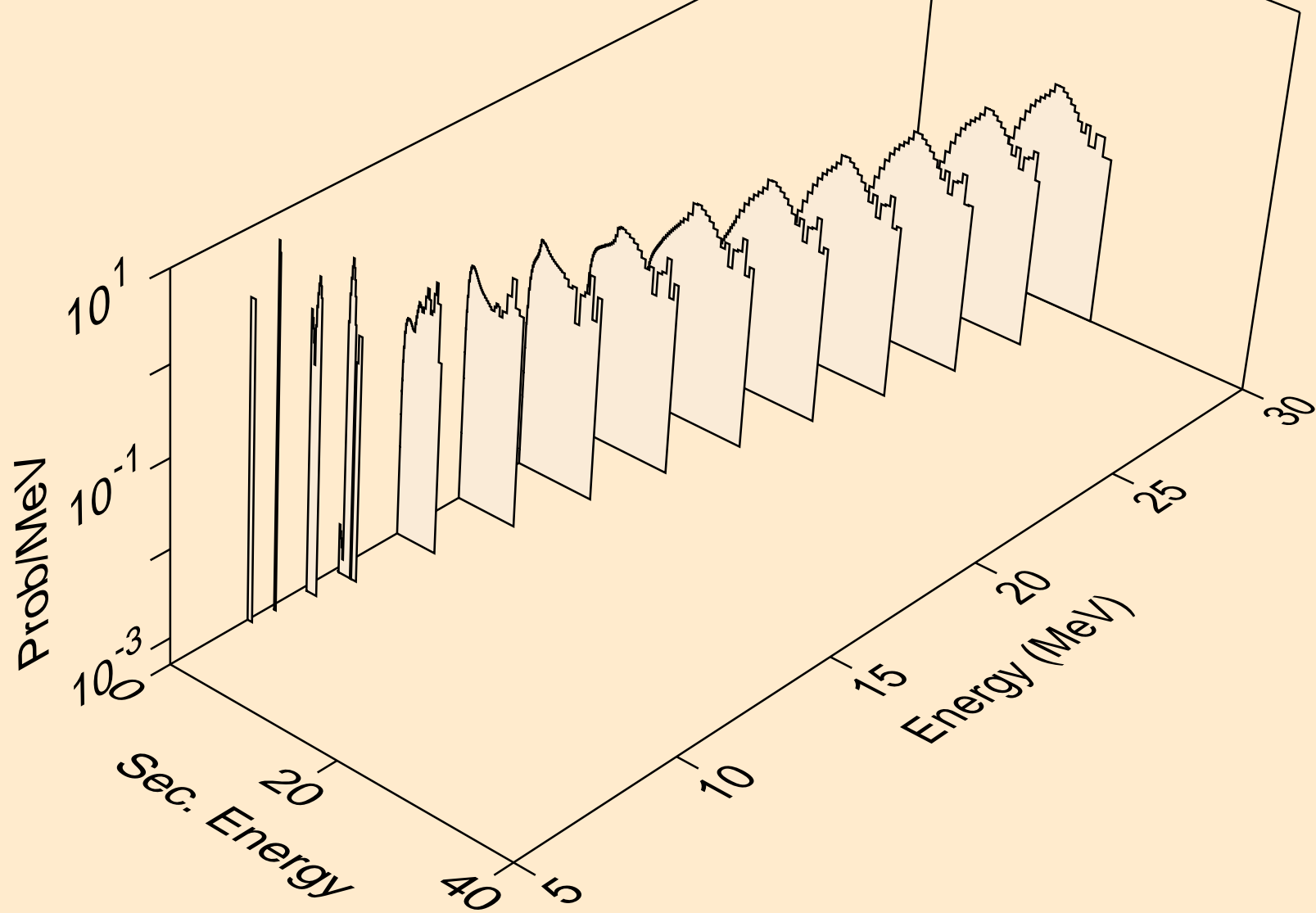
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Recoil Heating



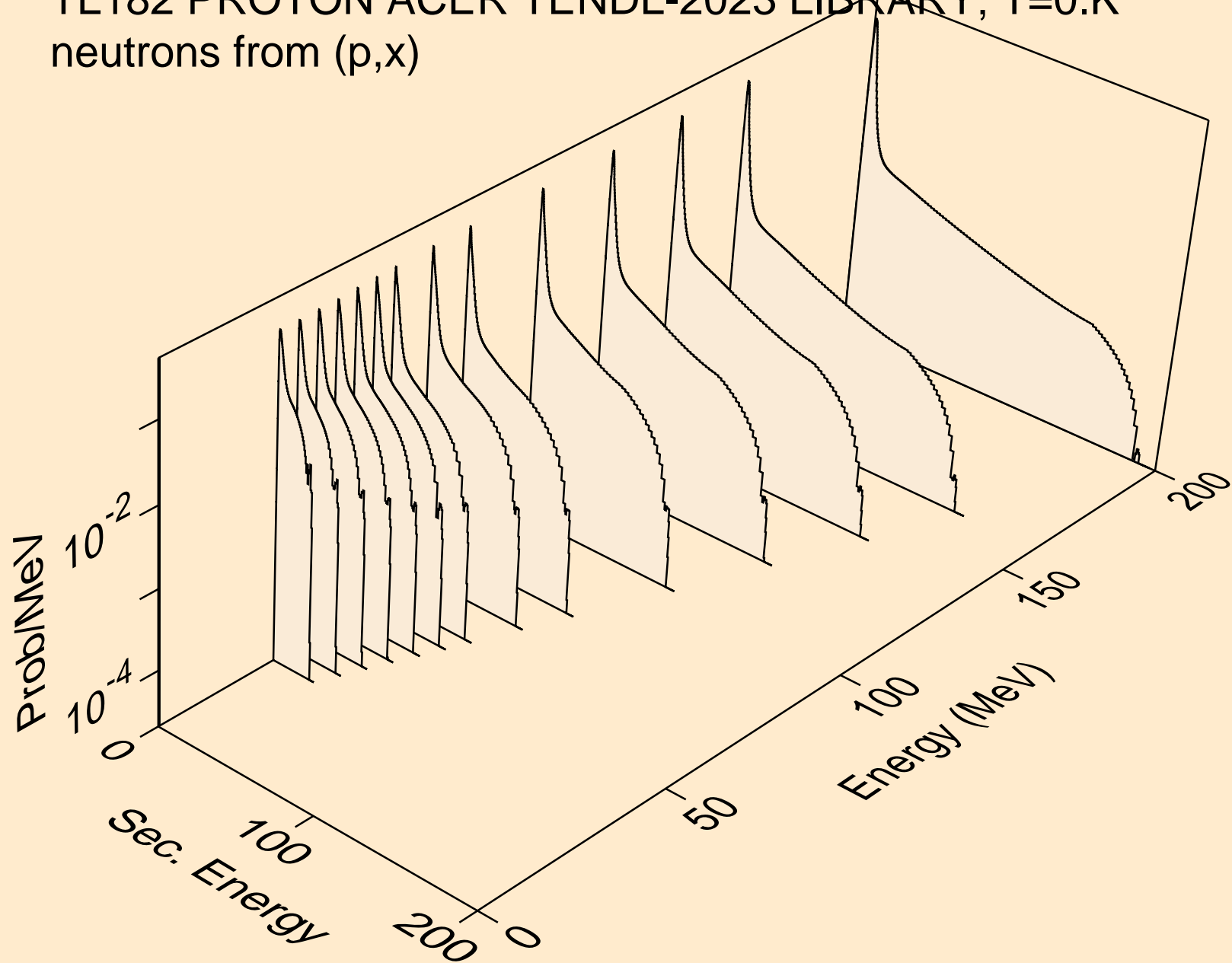
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Particle production cross sections



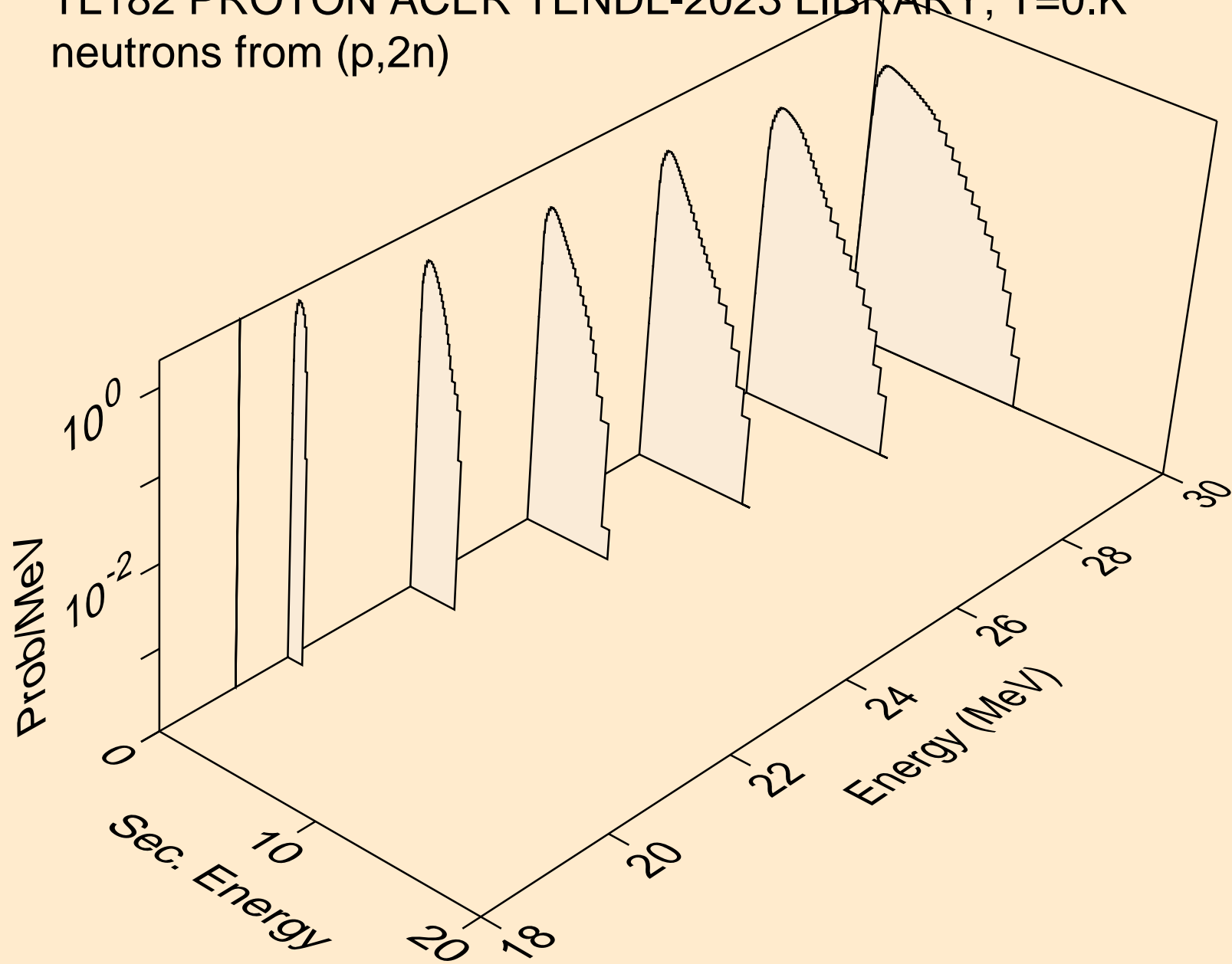
TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)



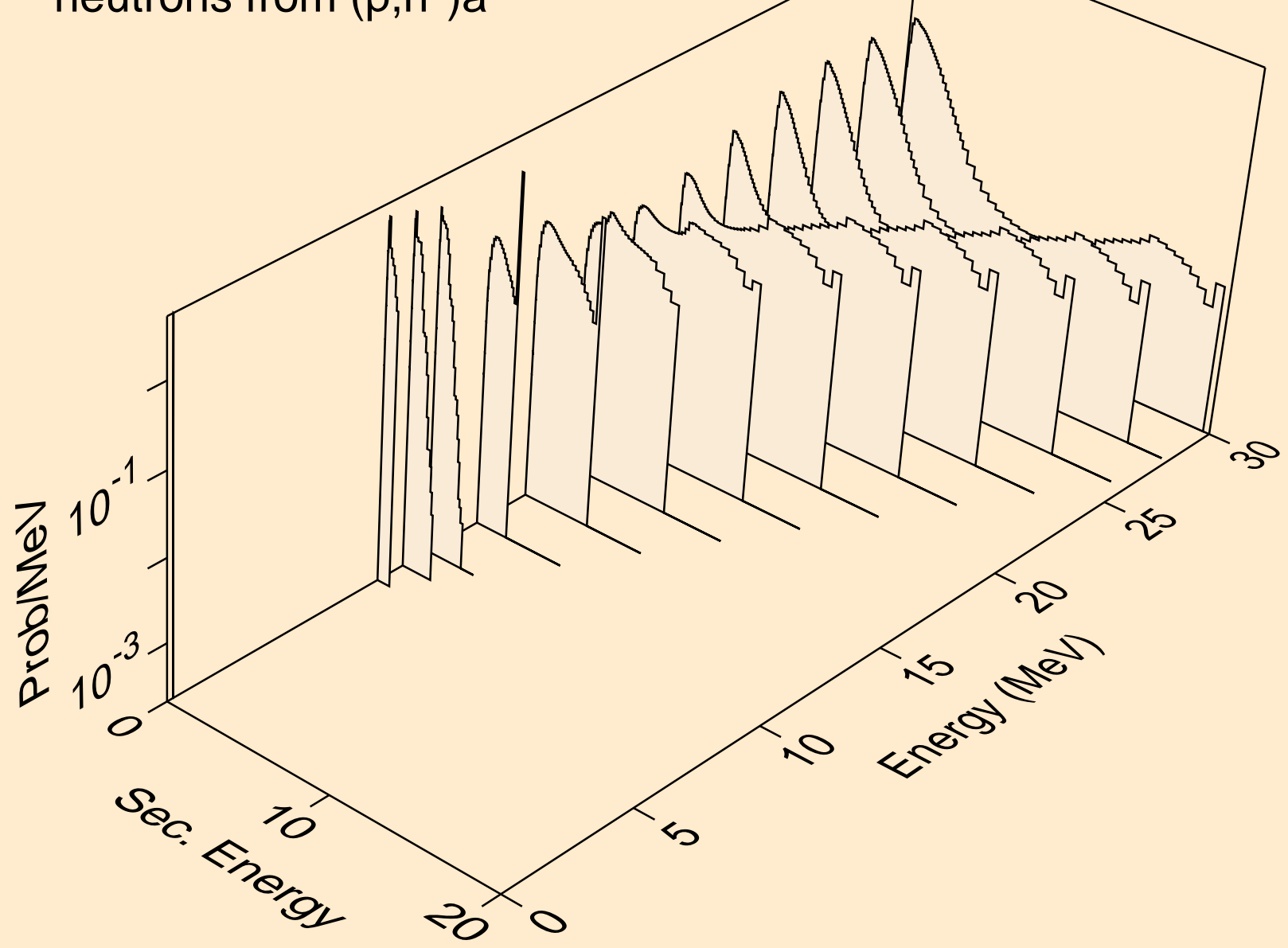
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neutrons from (p,x)



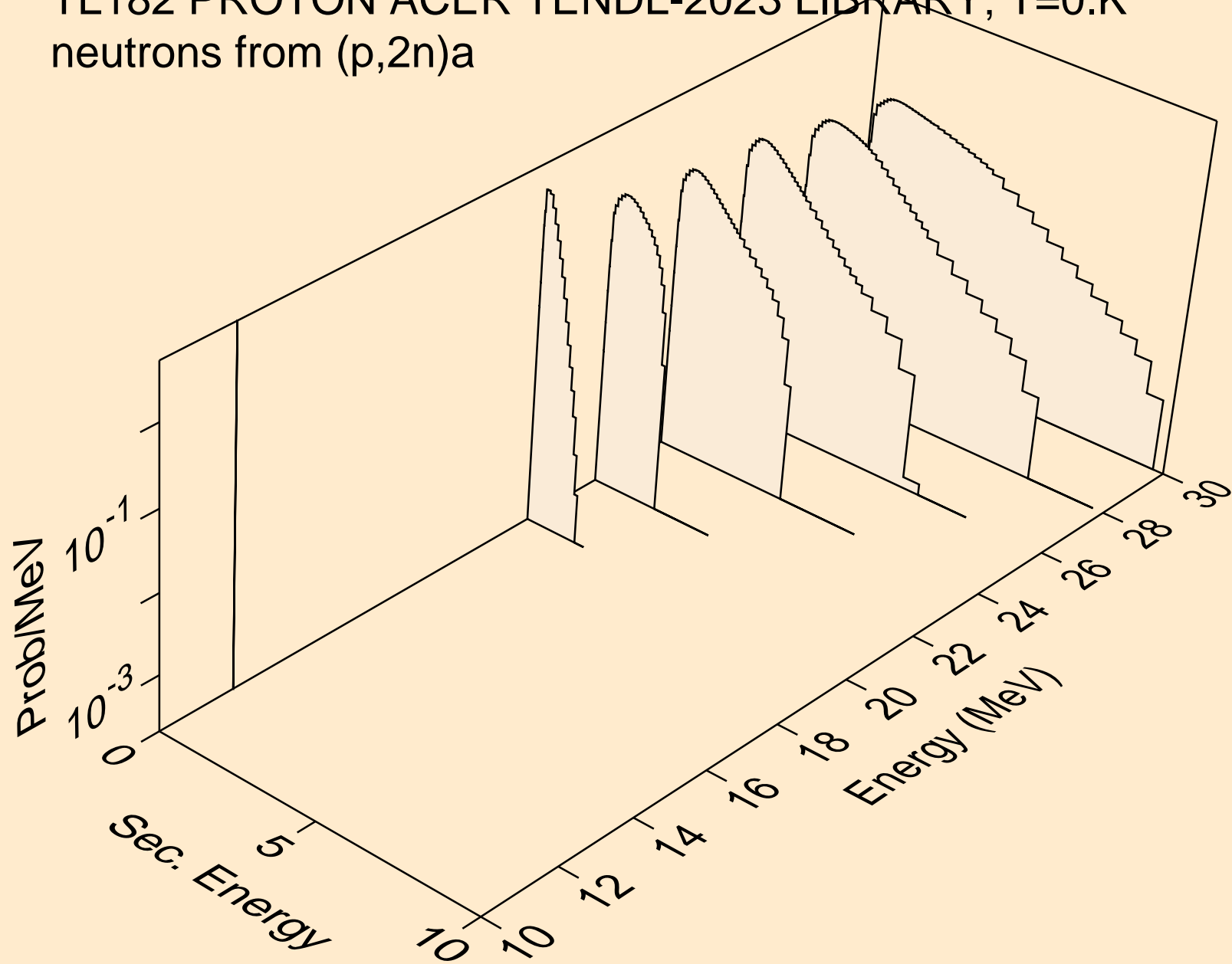
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neutrons from (p,2n)



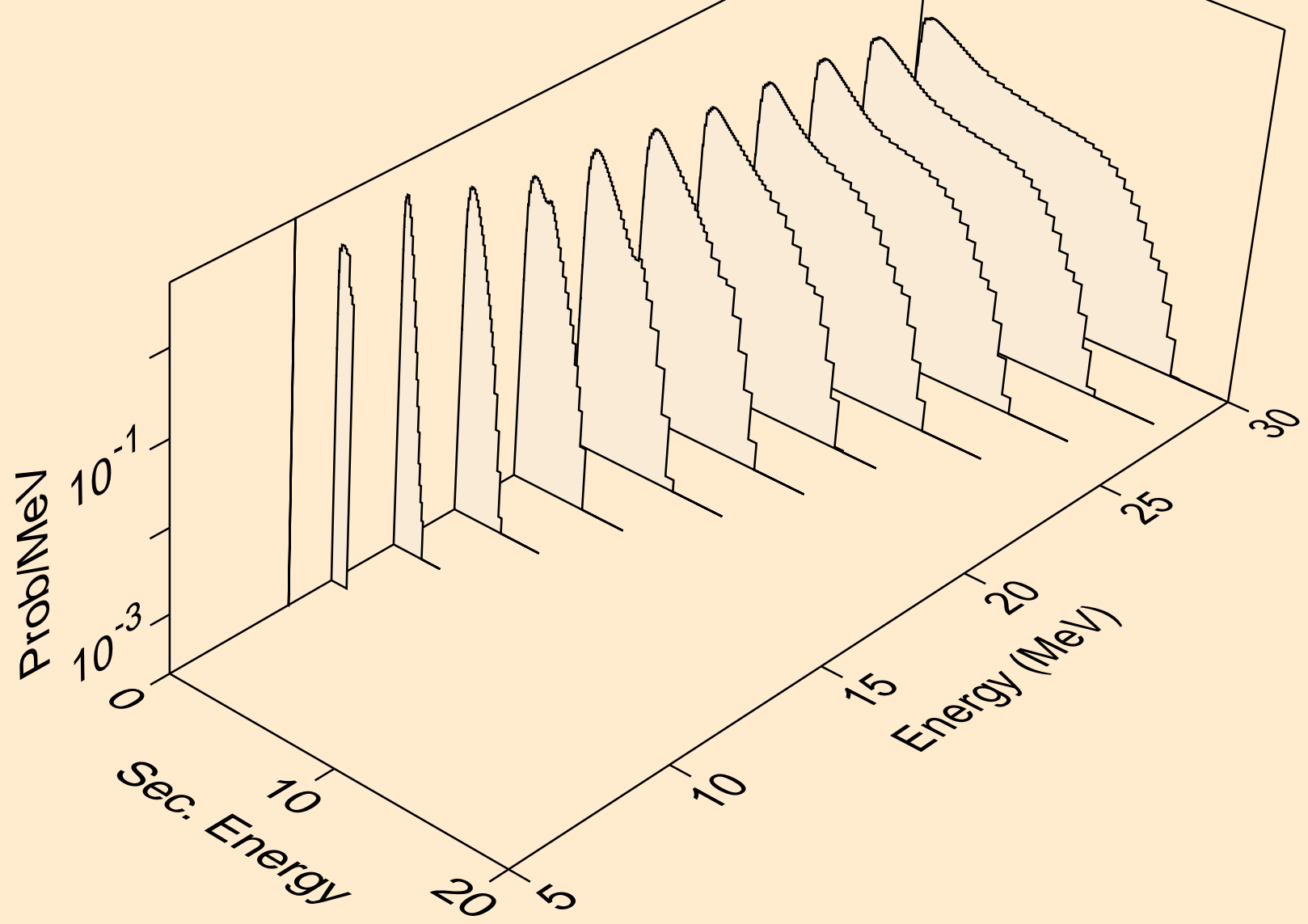
TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)a



TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)a

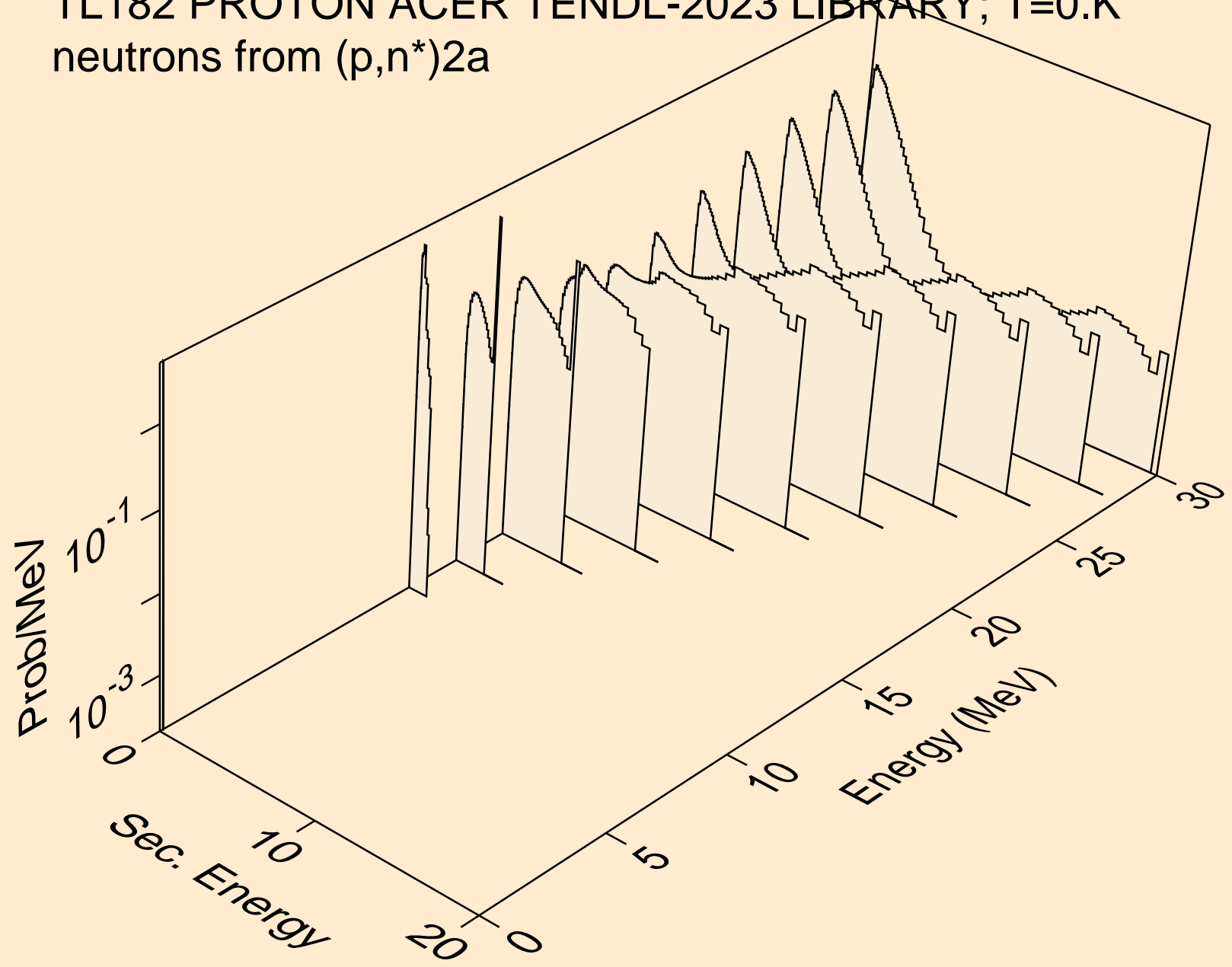


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neutrons from (p,n\*)p

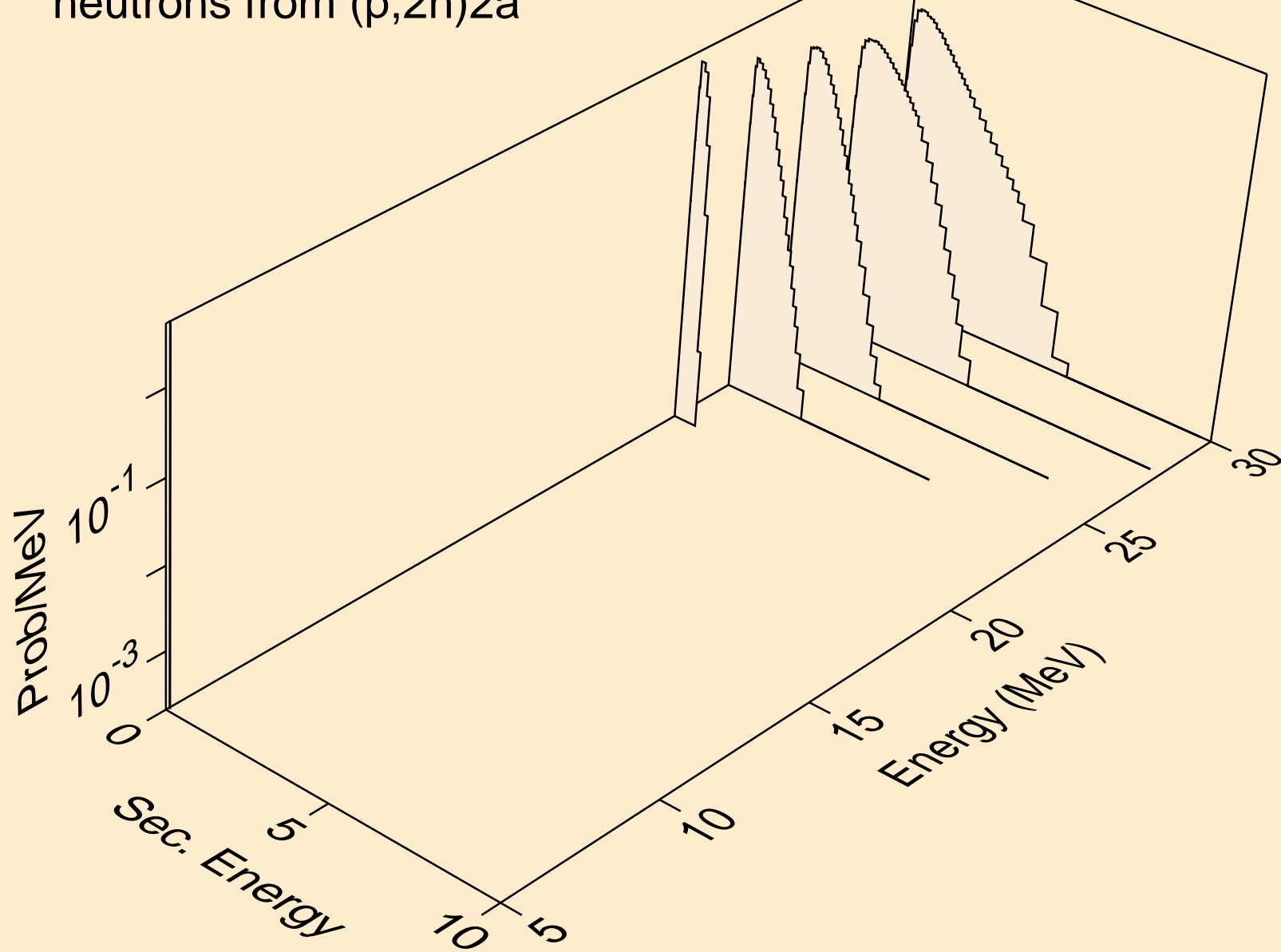




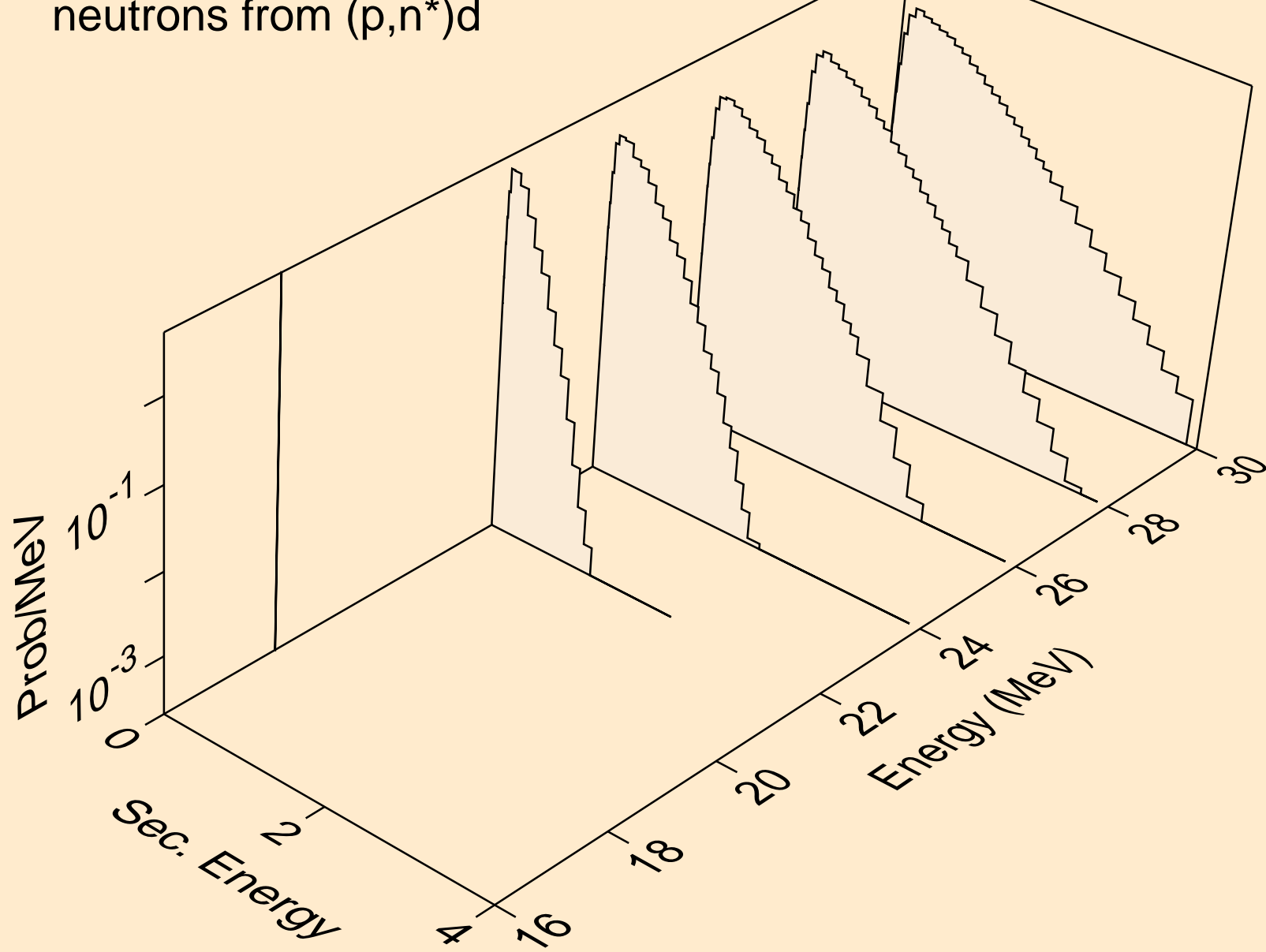
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neutrons from (p,n\*)2a



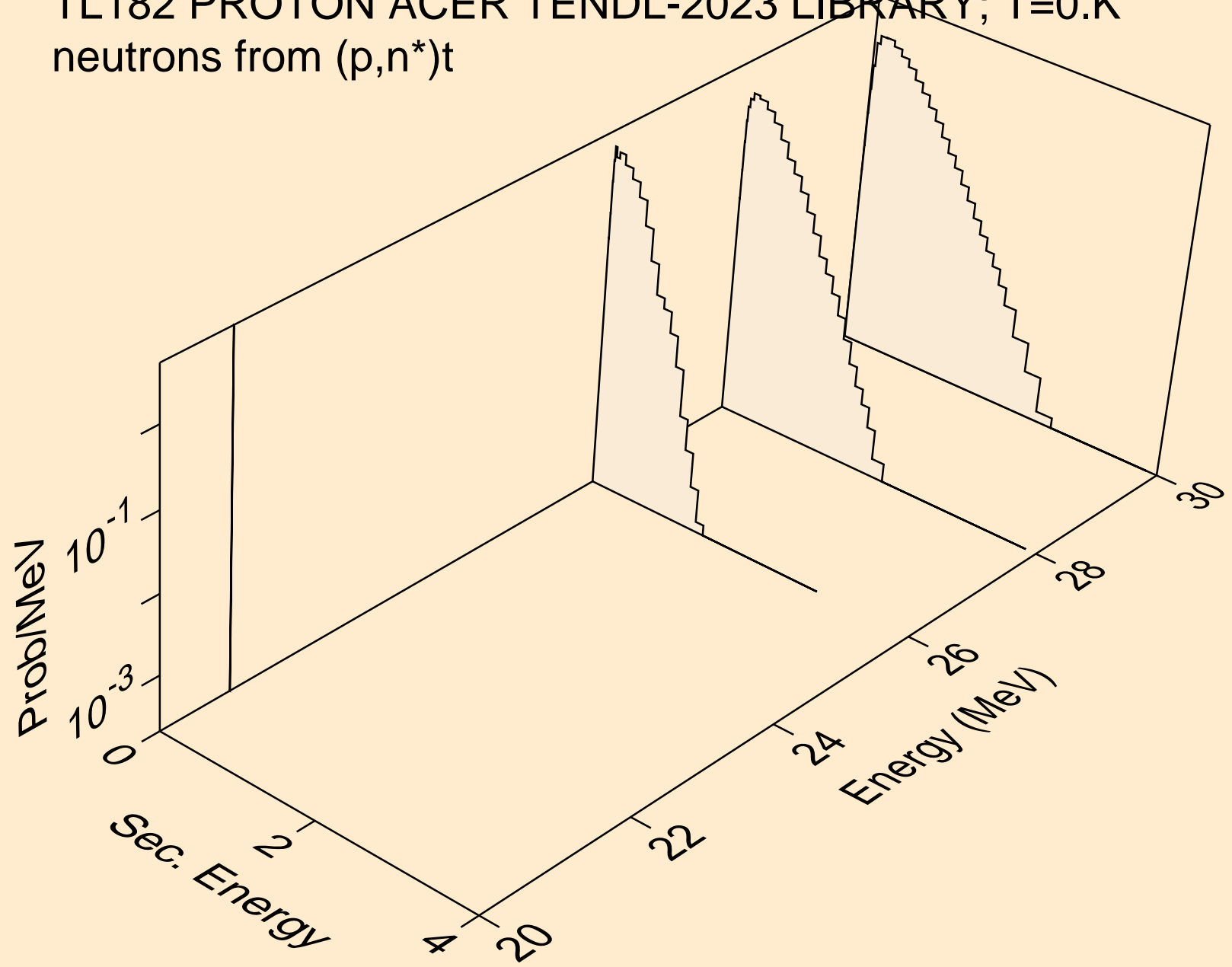
TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)2a



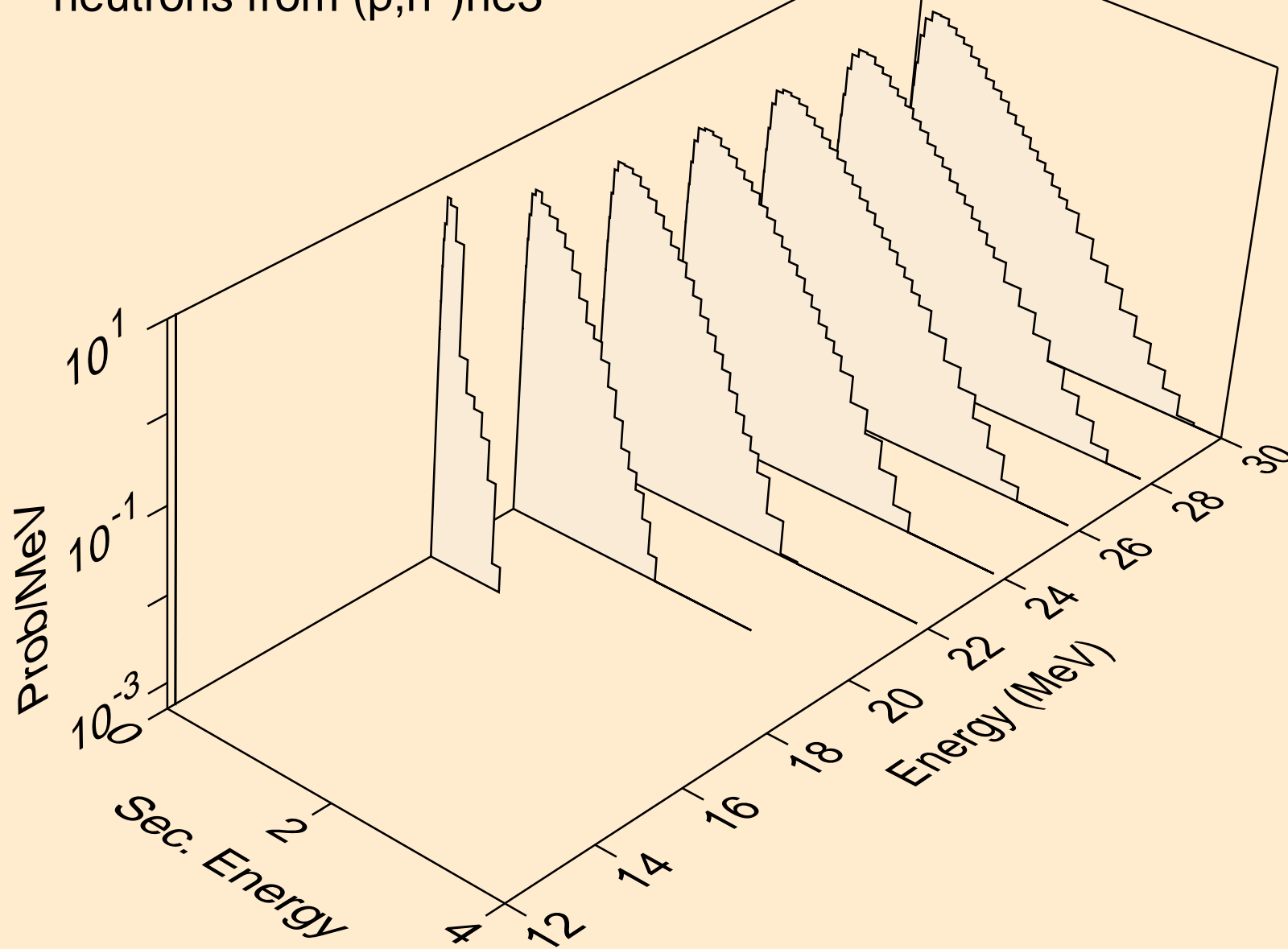
TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)d



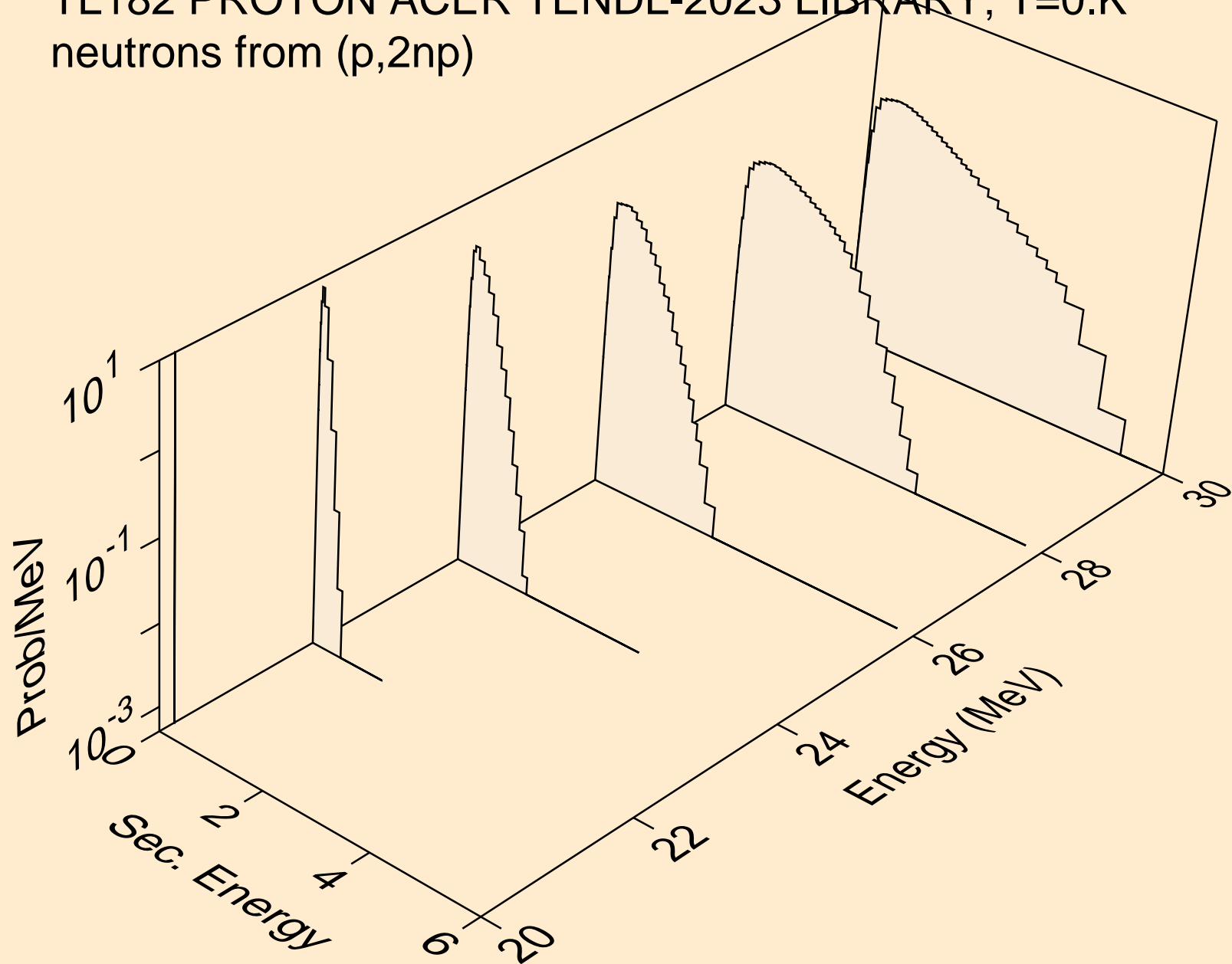
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neutrons from (p,n\*)t



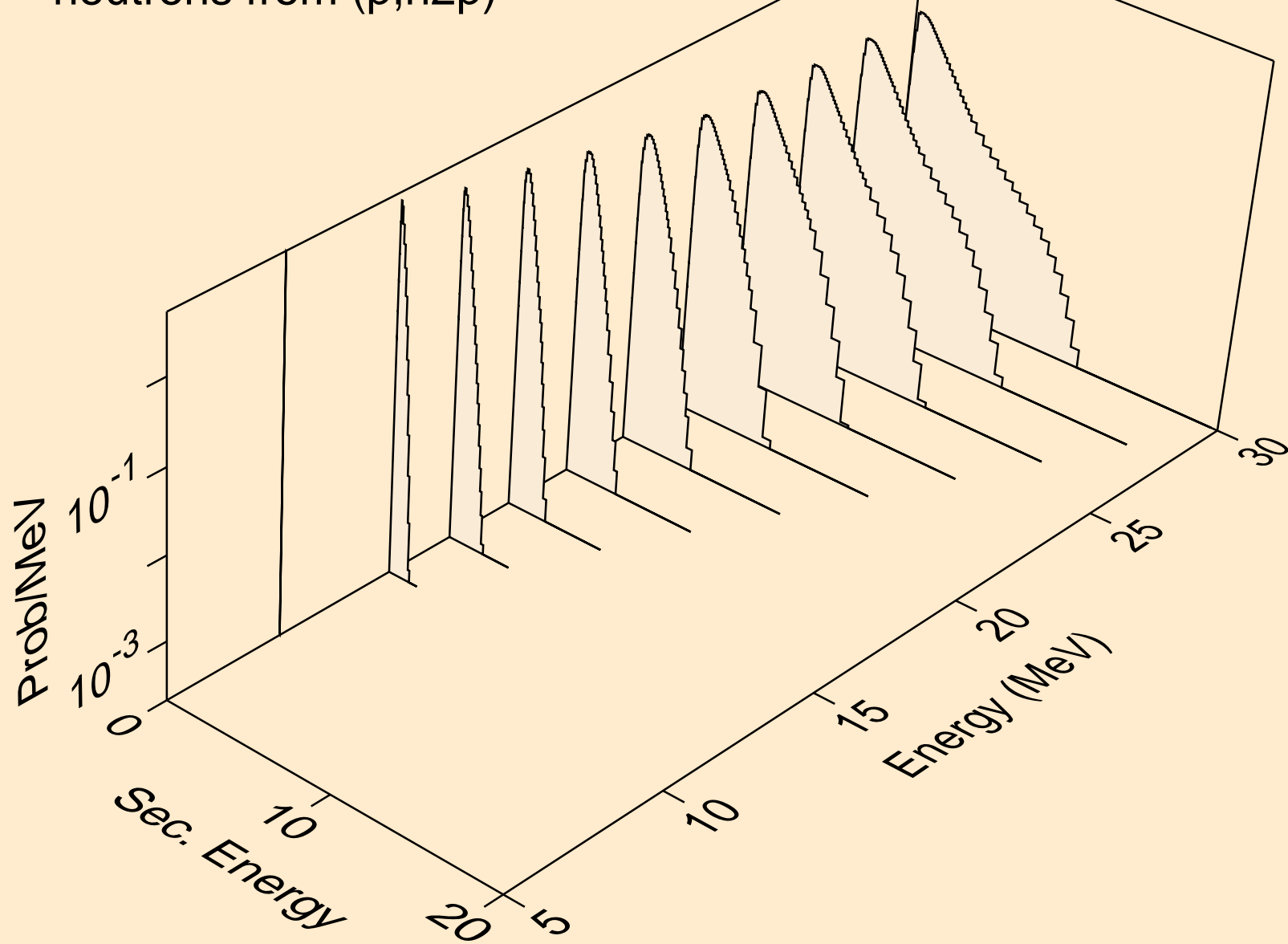
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neutrons from (p,n\*)he3



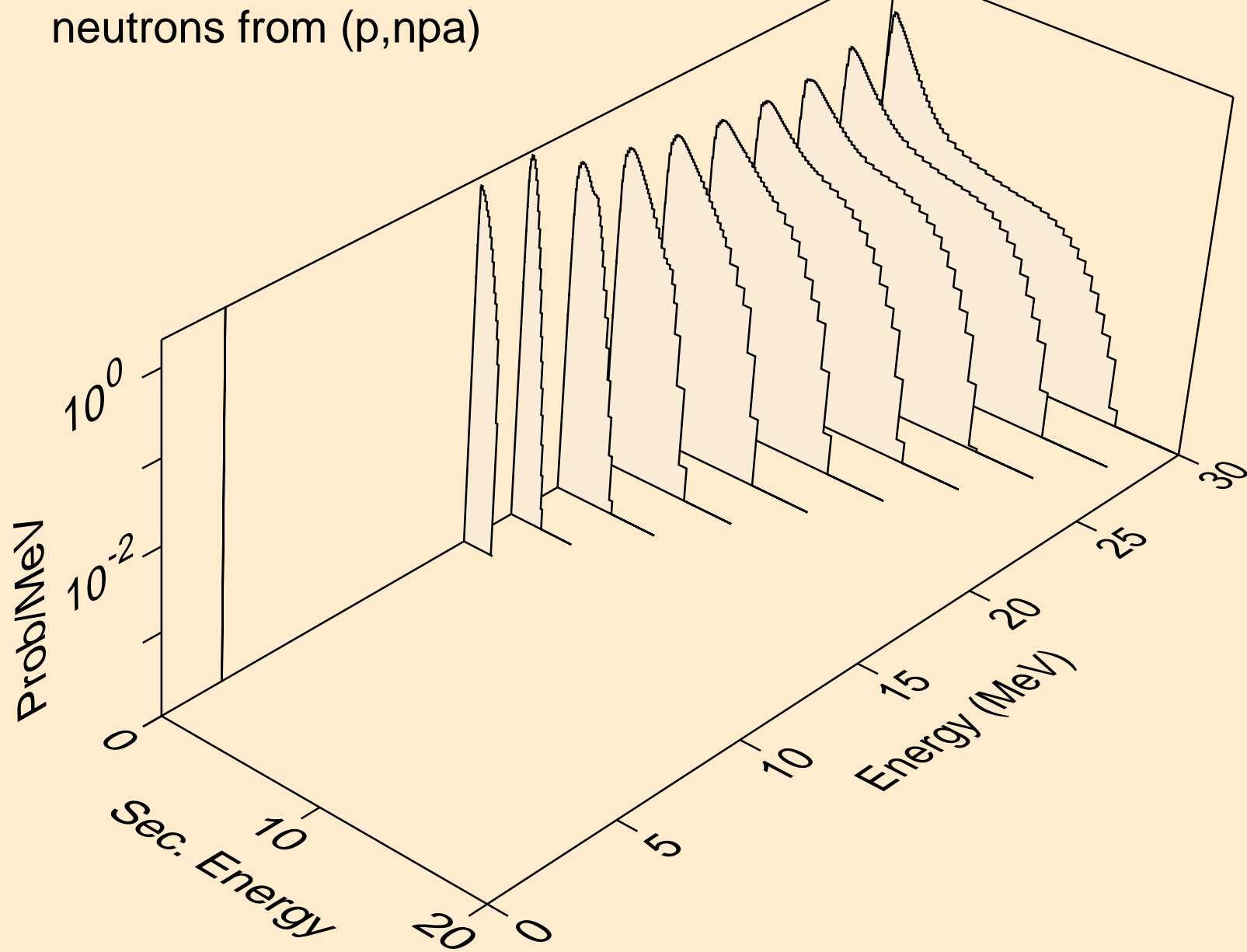
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neutrons from (p,2np)



TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
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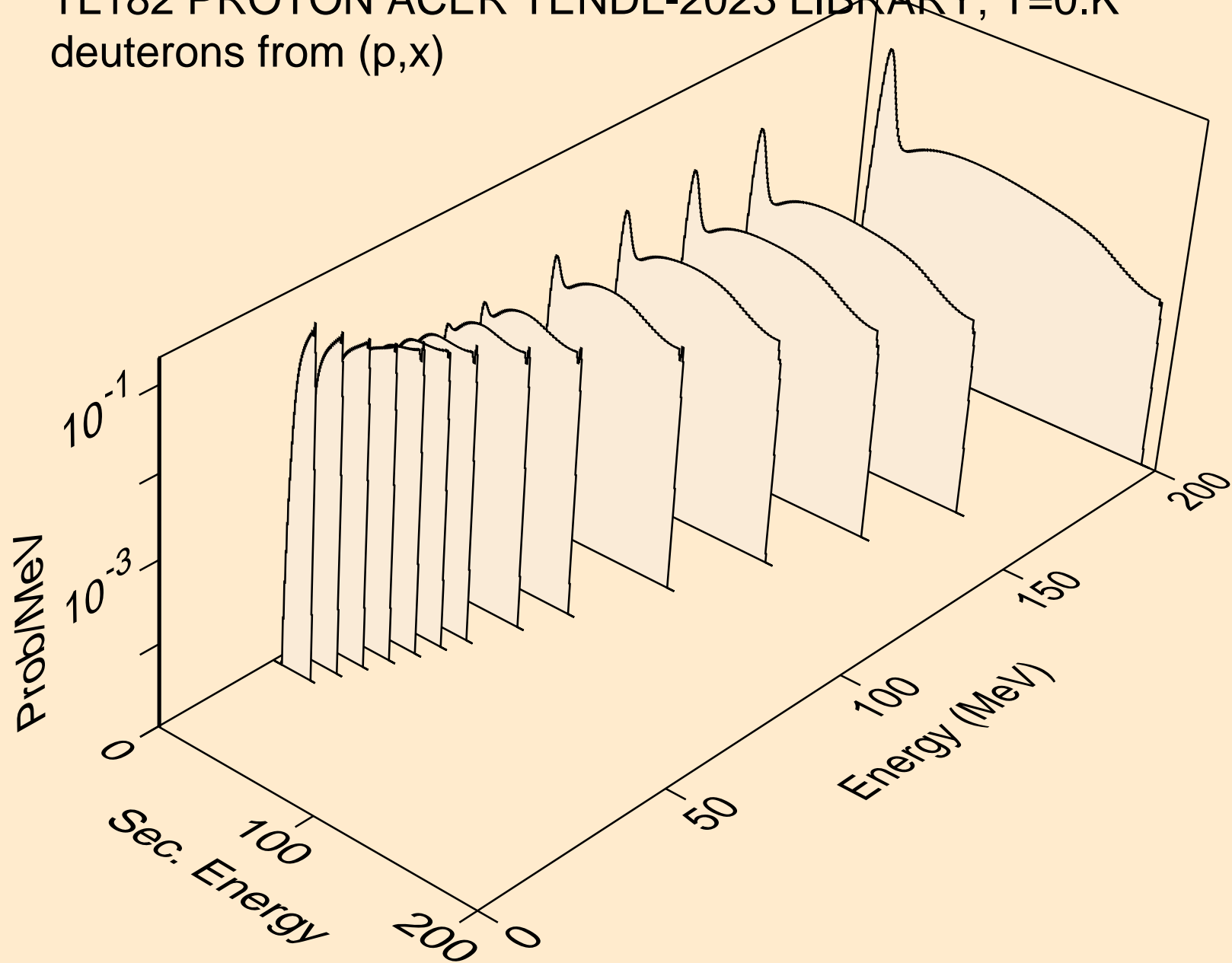


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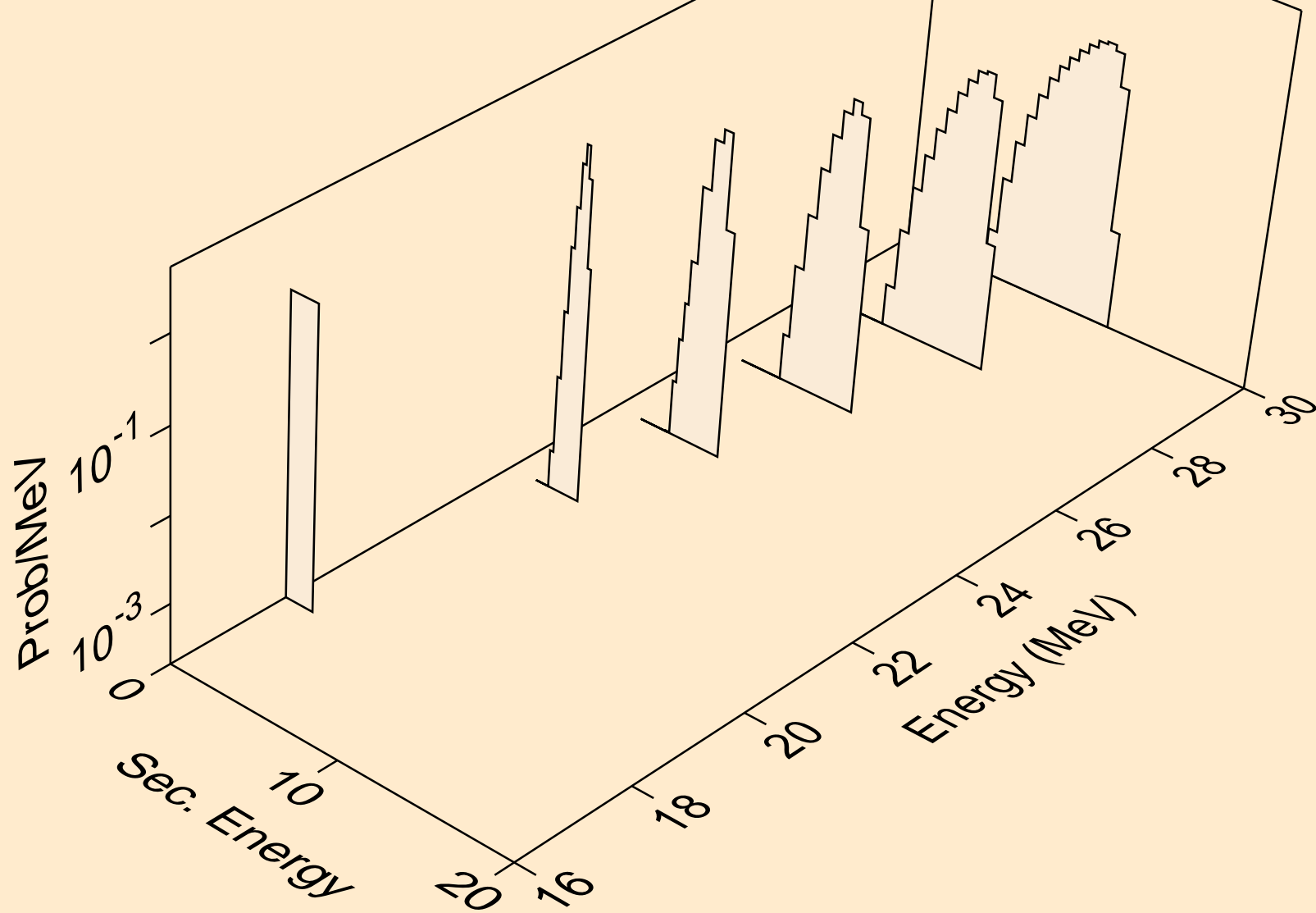




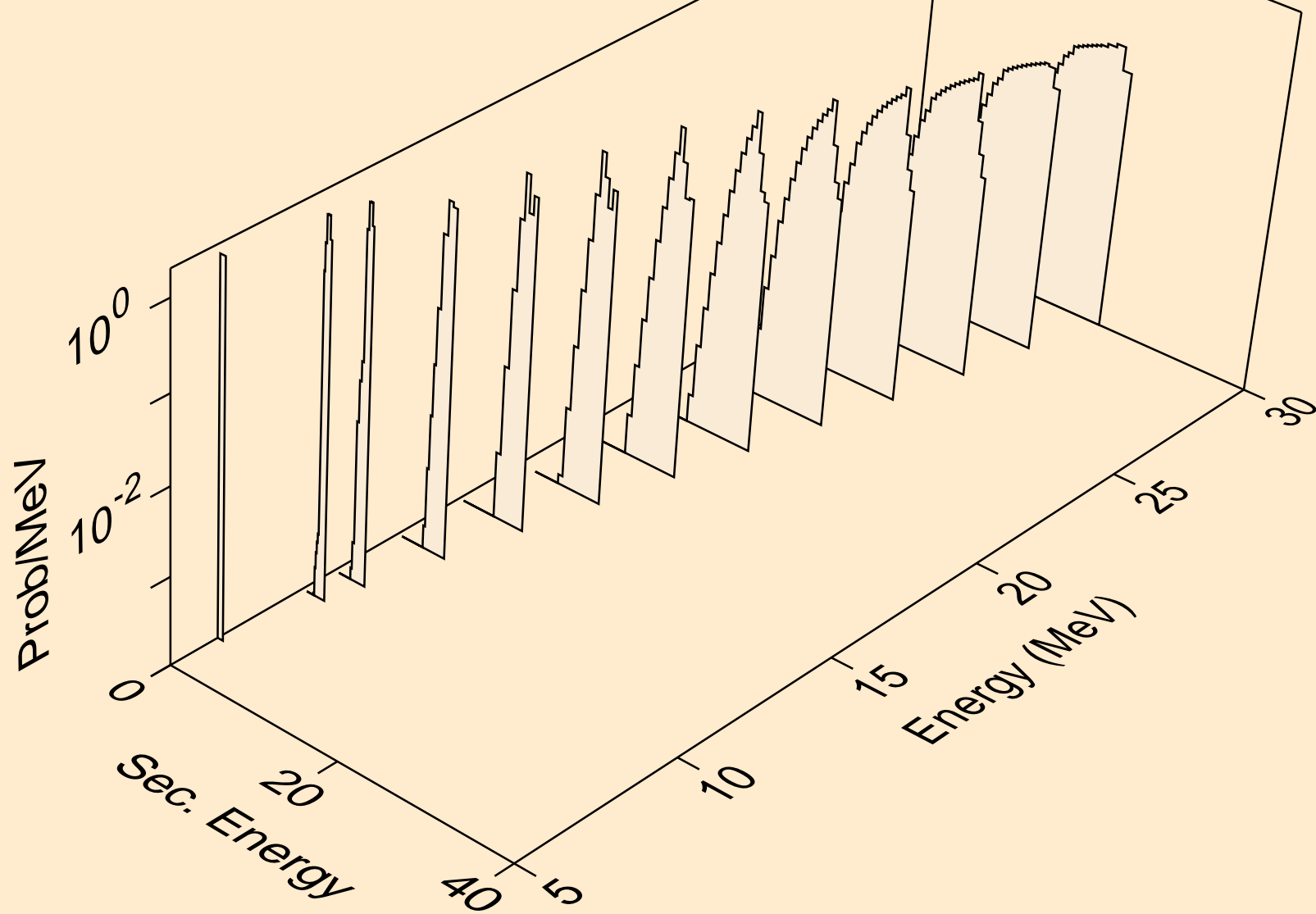
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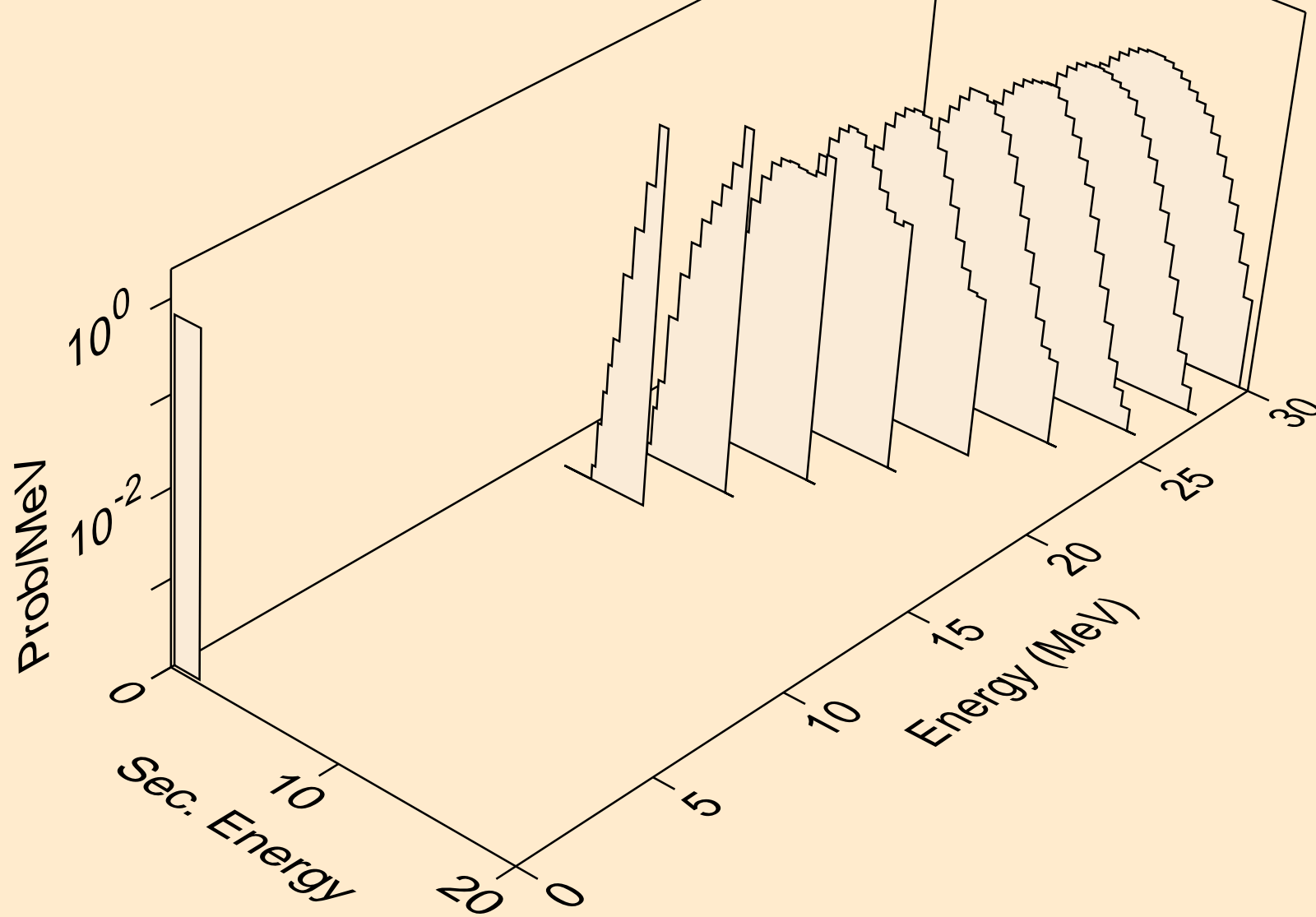
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deuterons from (p,n\*)d



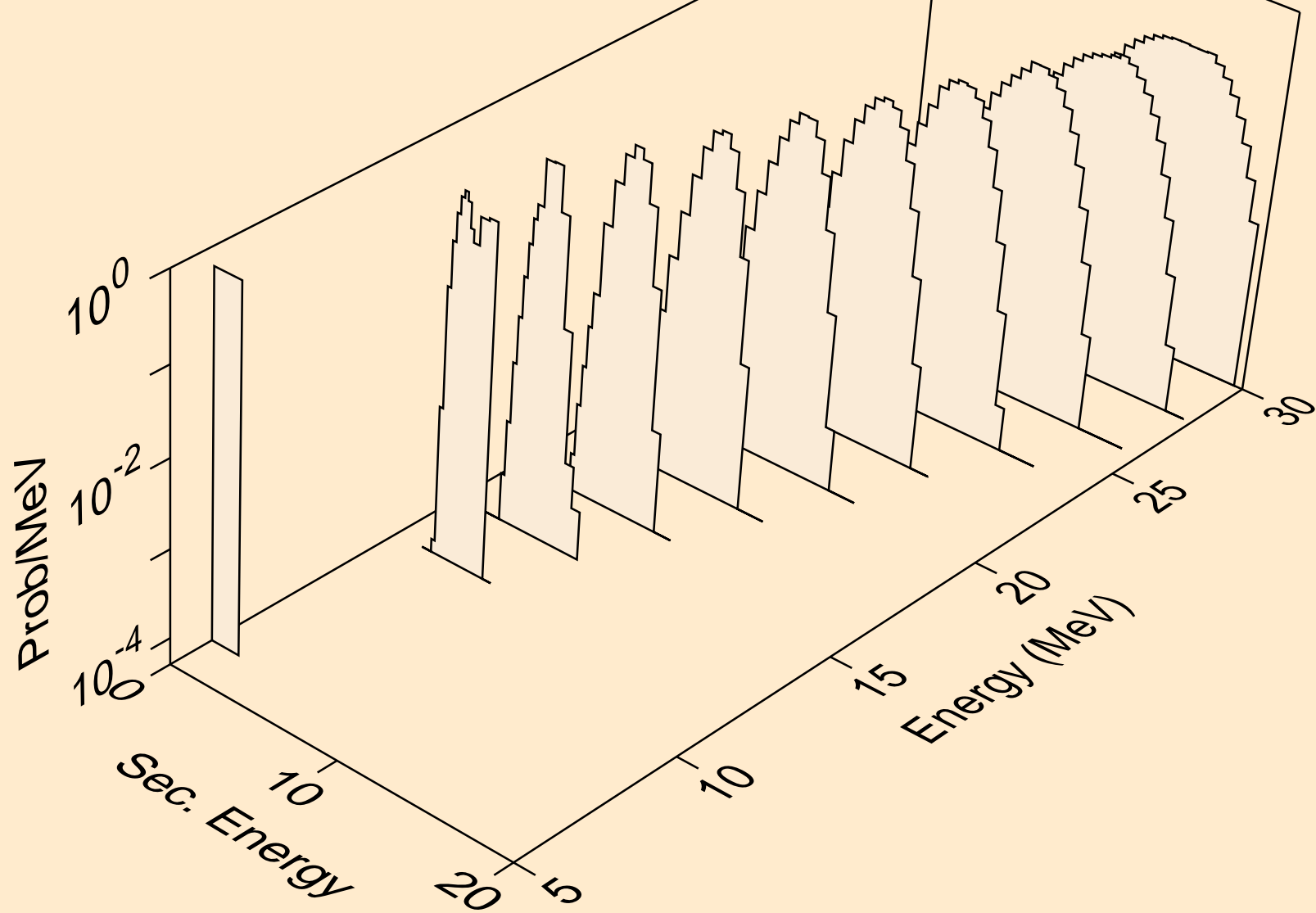
TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,d)



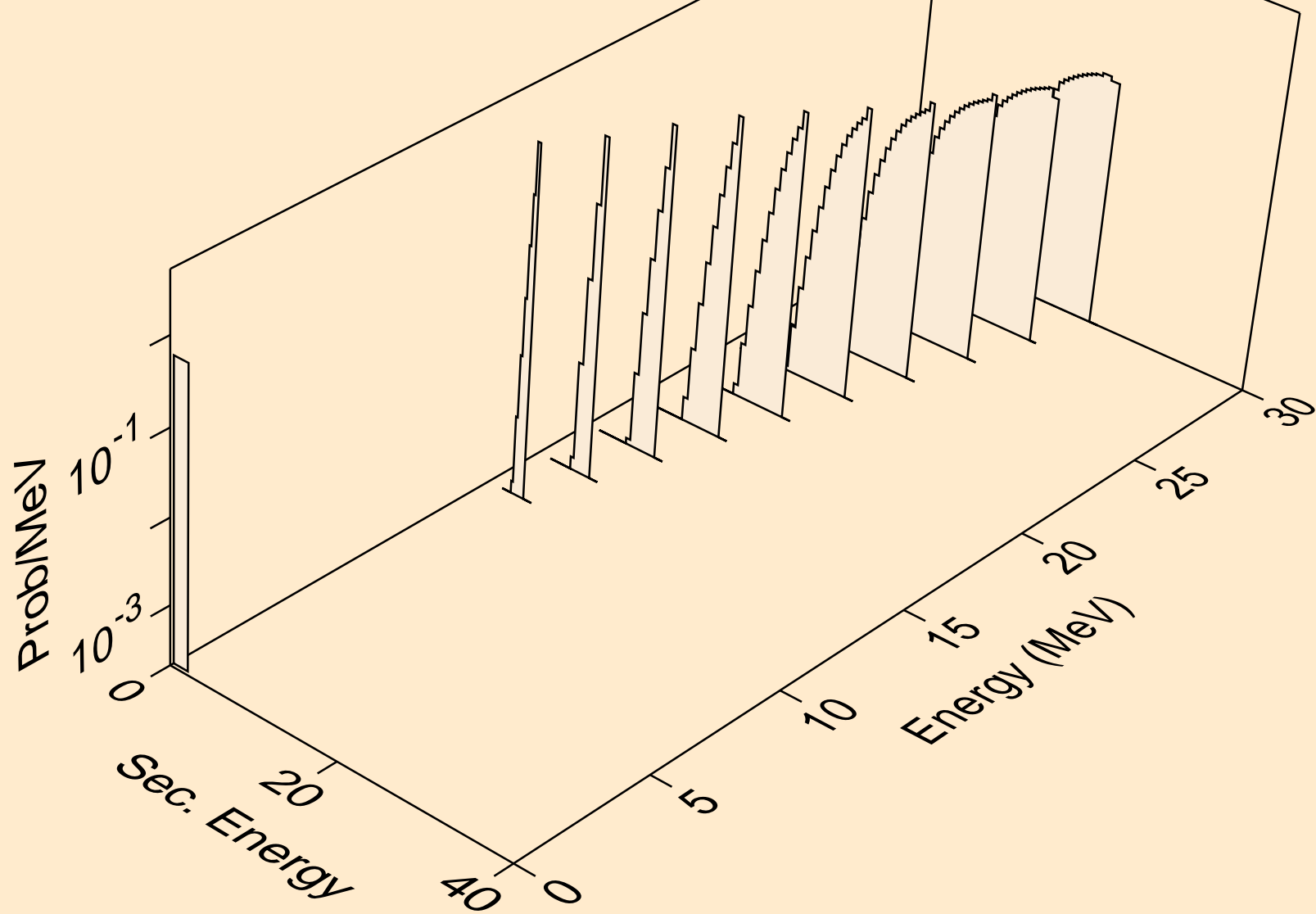
TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,d2a)



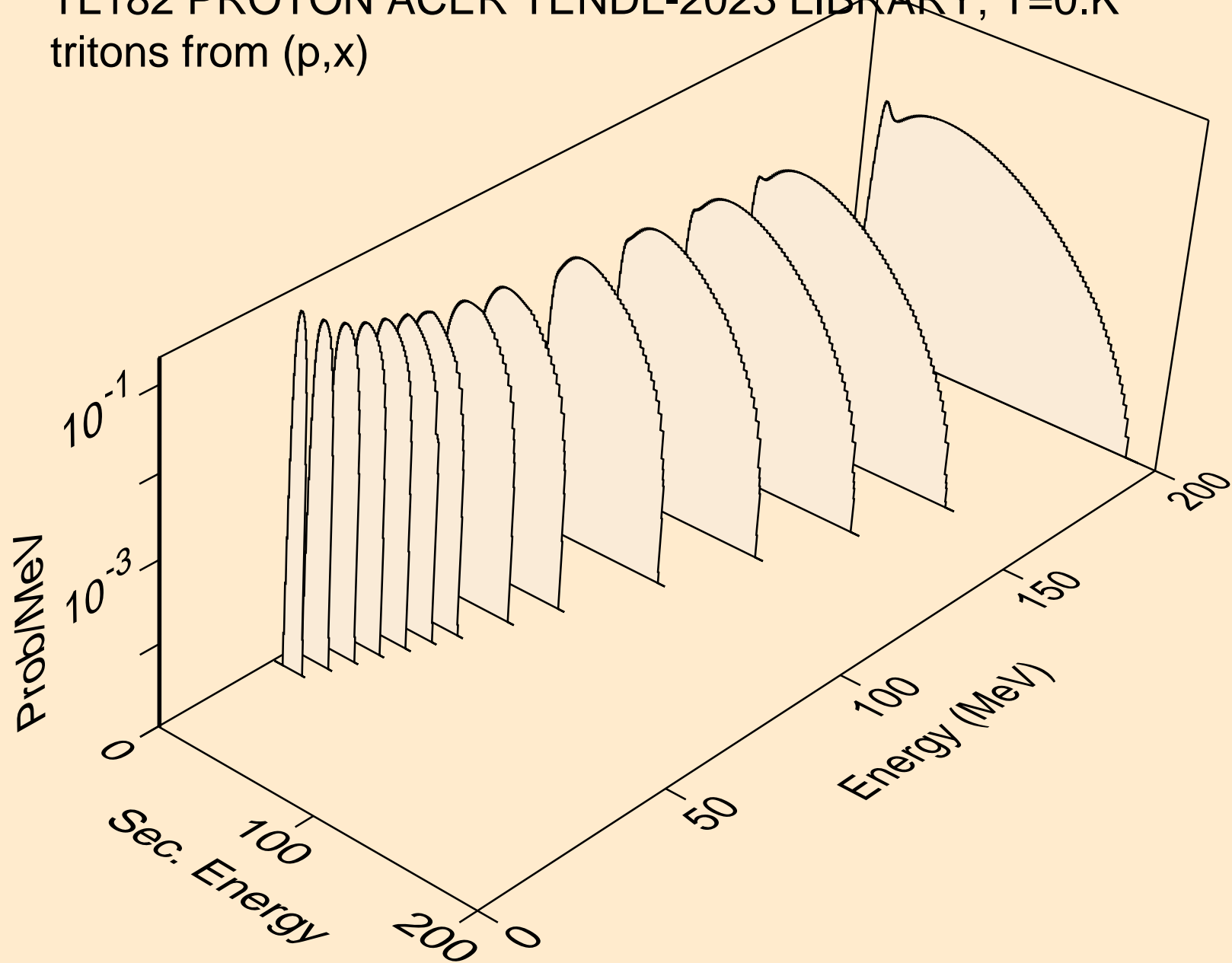
TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,pd)



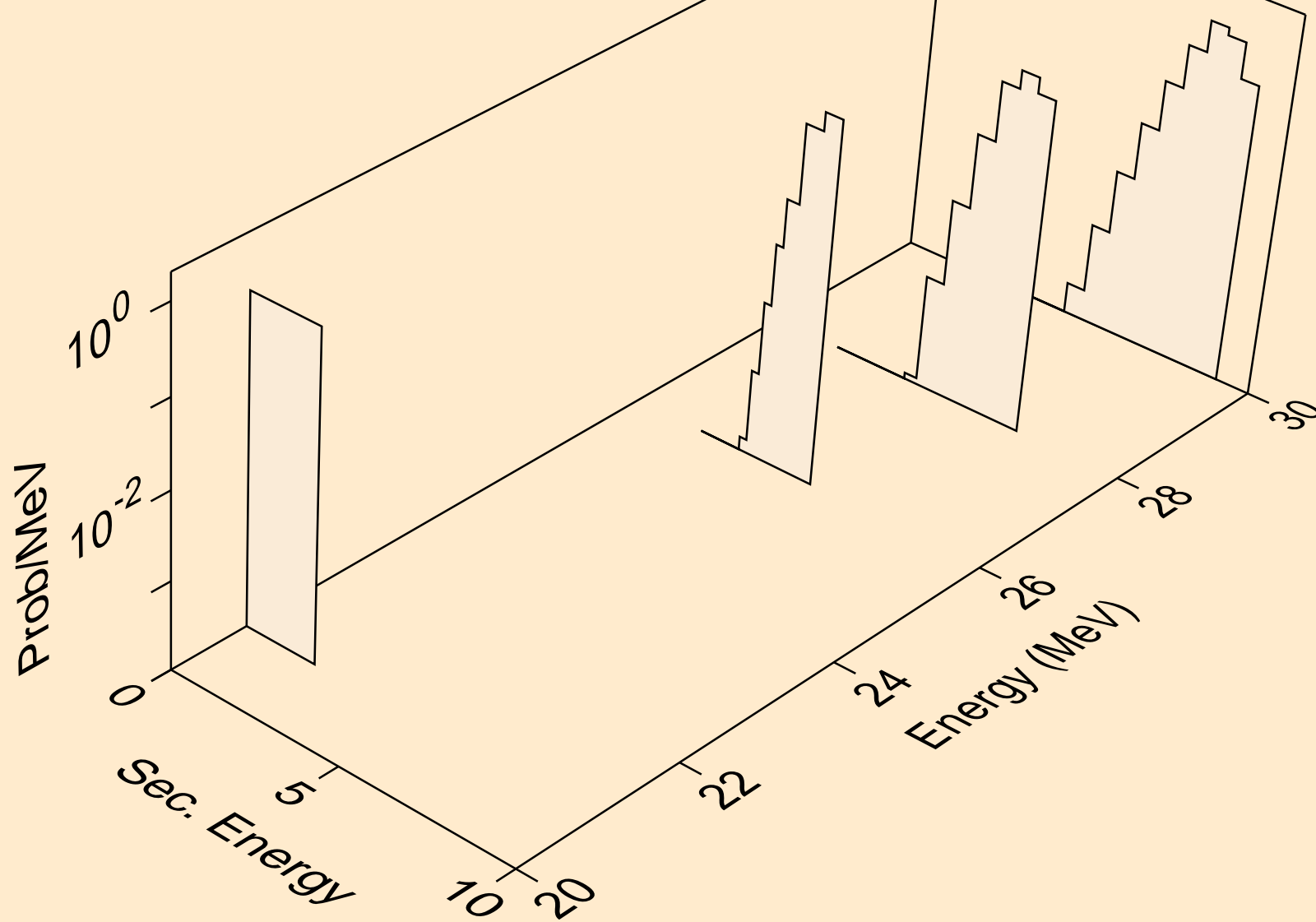
TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,da)



TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,x)

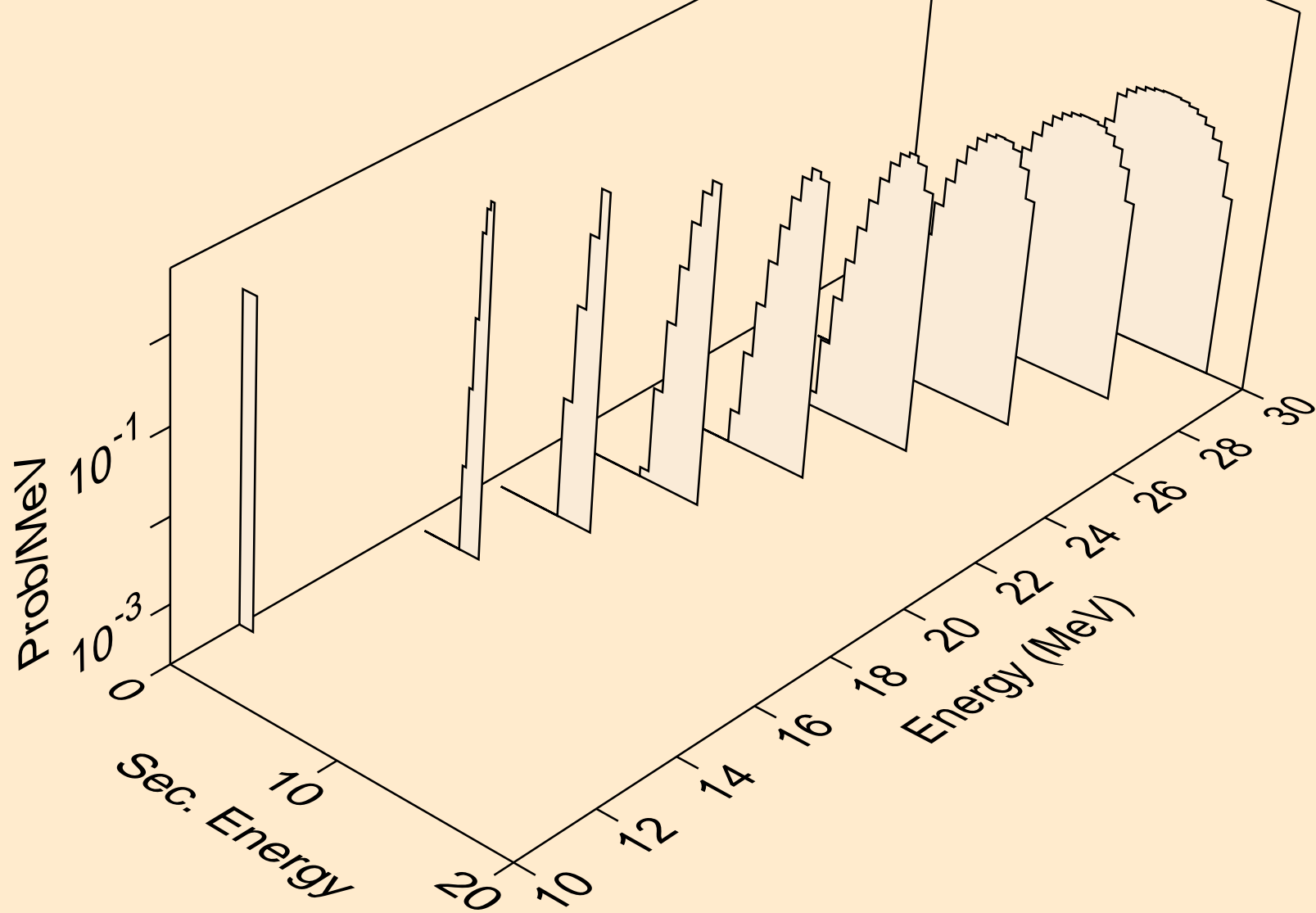


TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,n\*)t

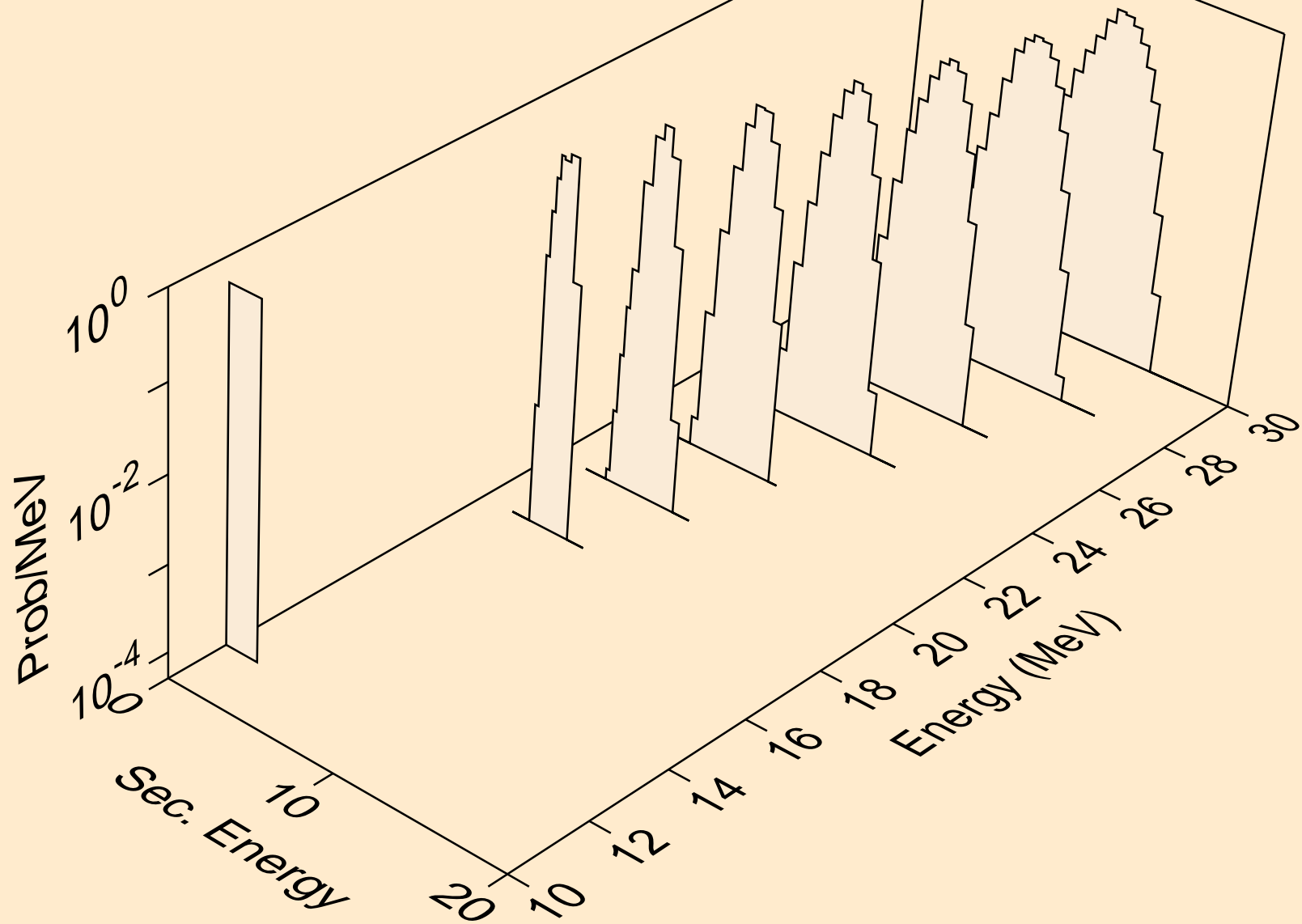




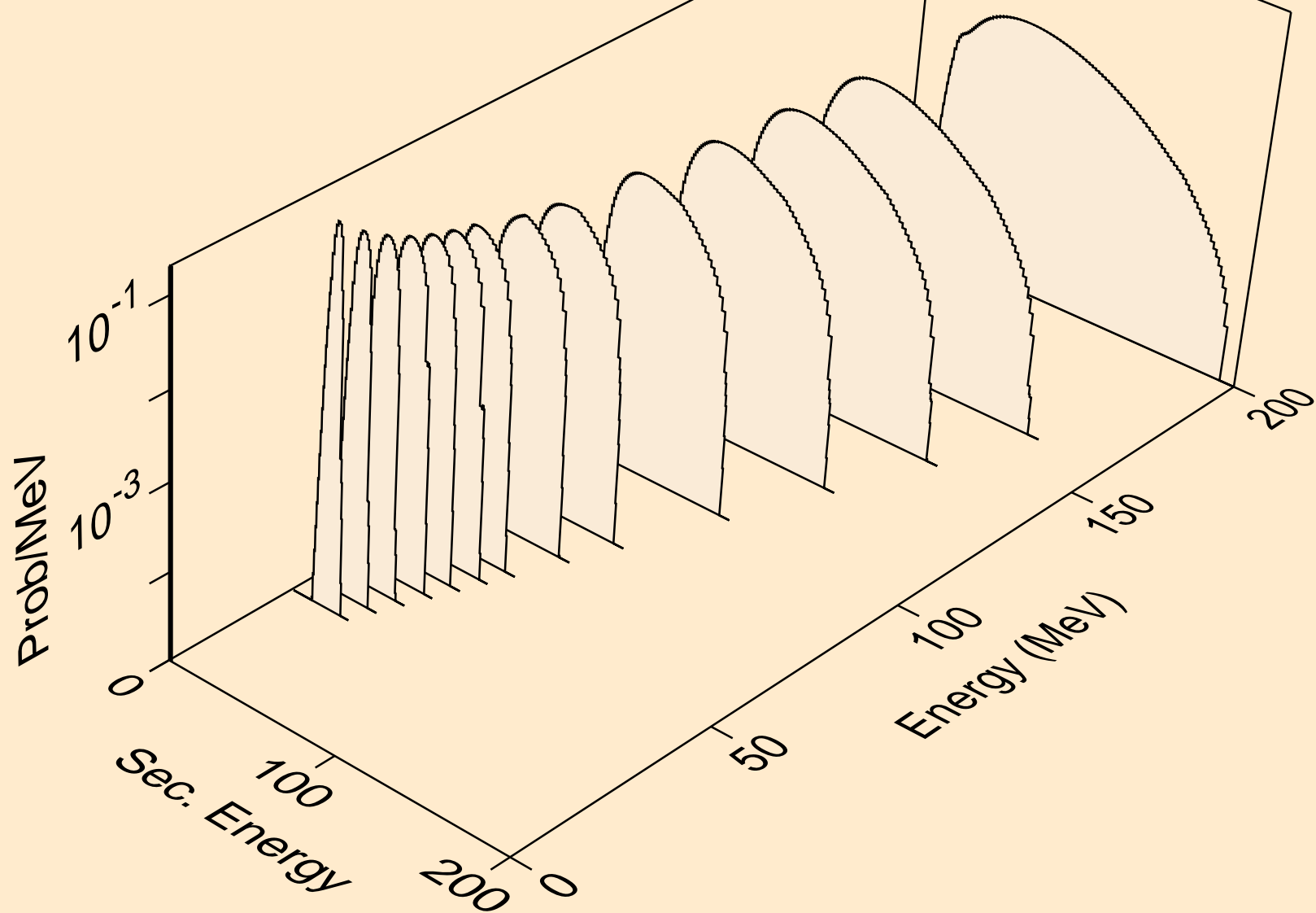
TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,t)



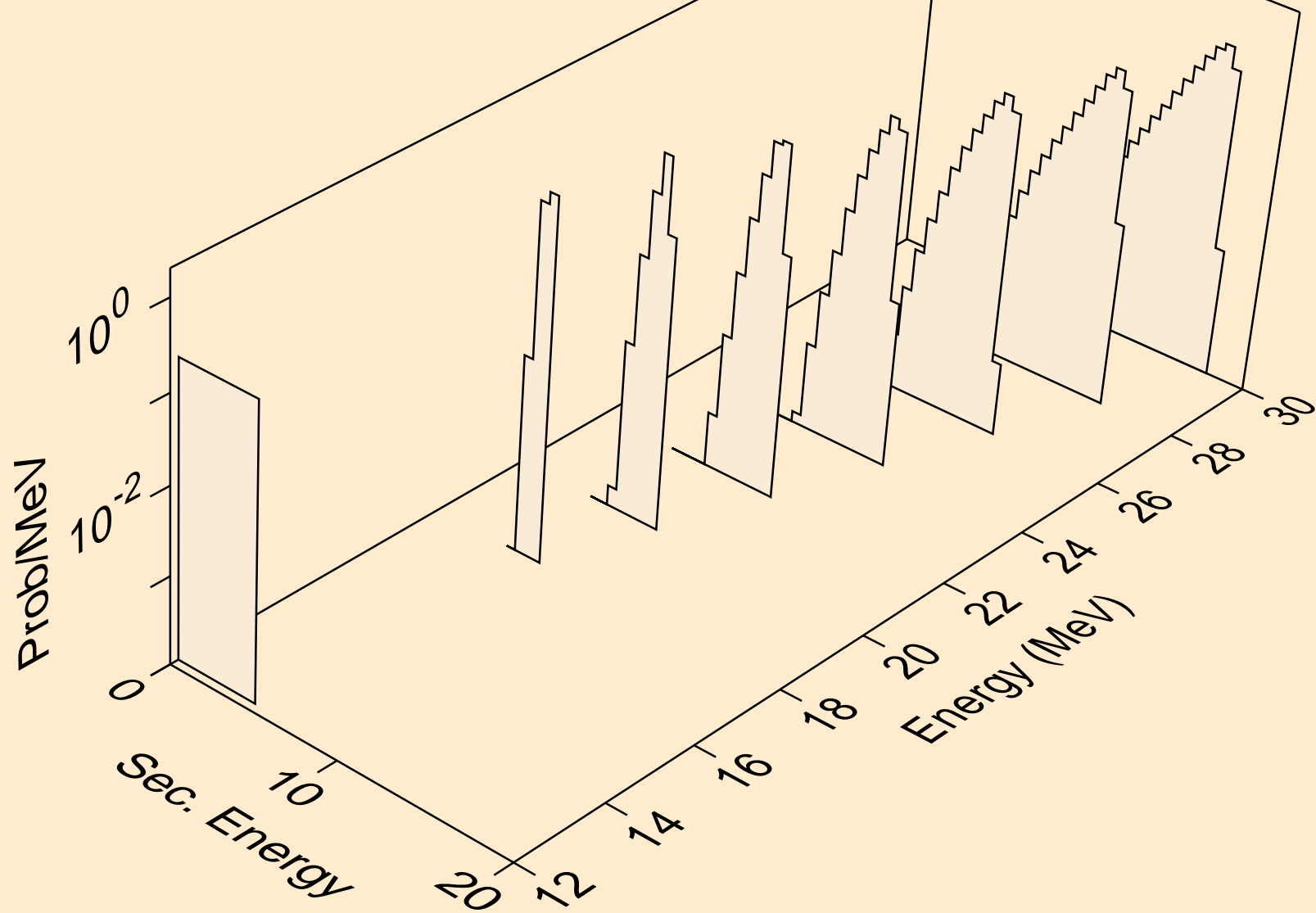
TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,pt)



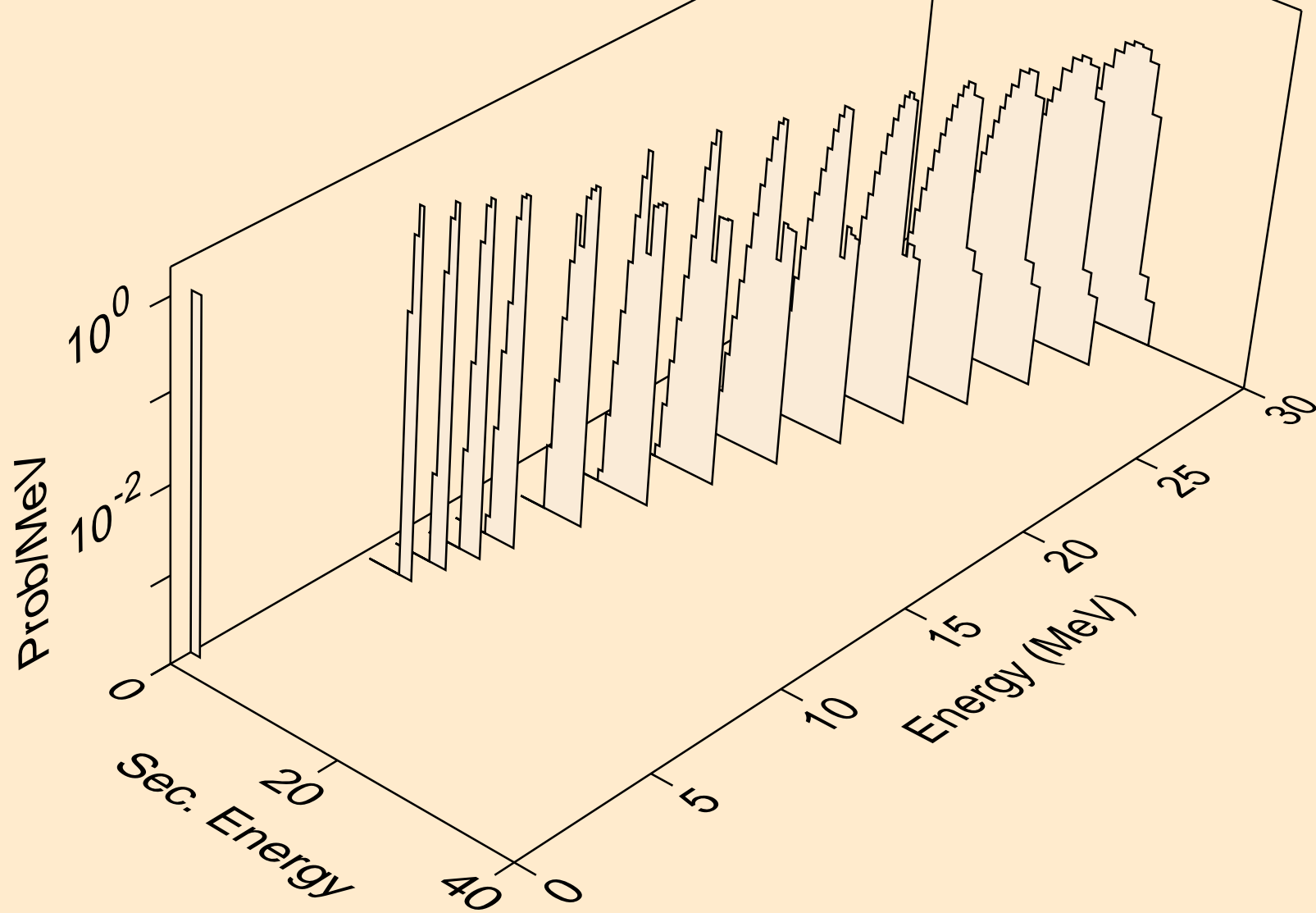
TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,x)



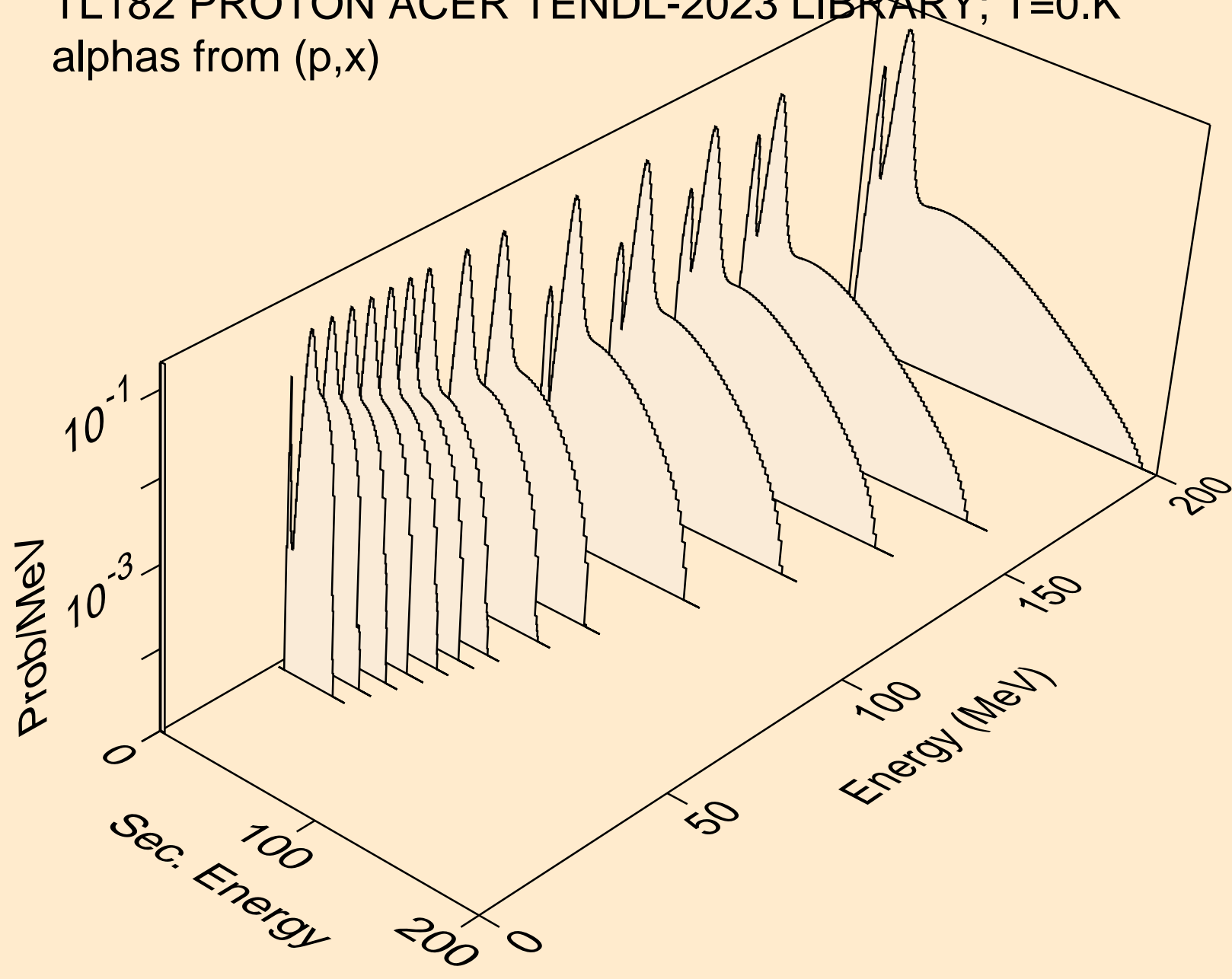
TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,n\*)he3



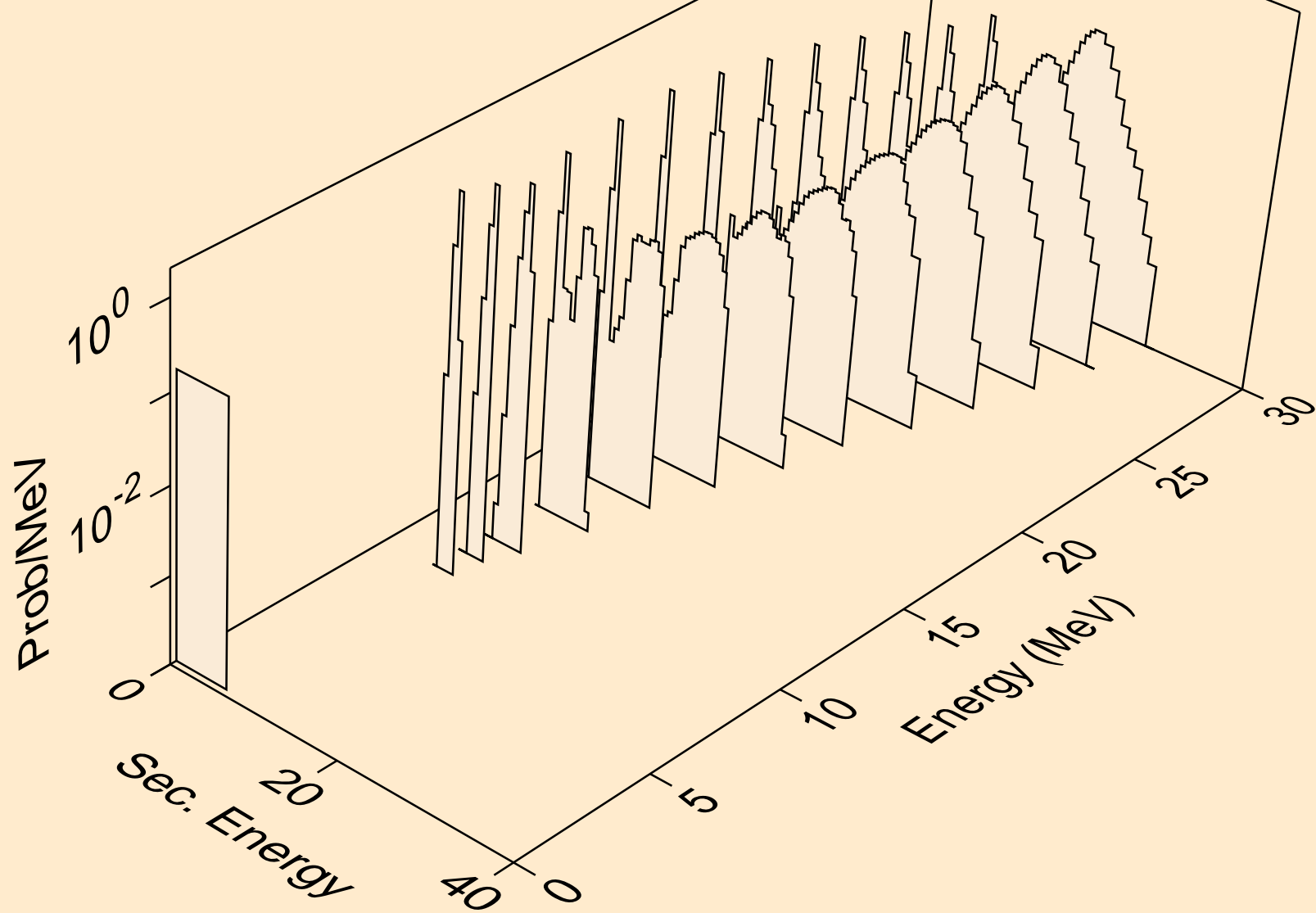
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he3s from (p,he3)



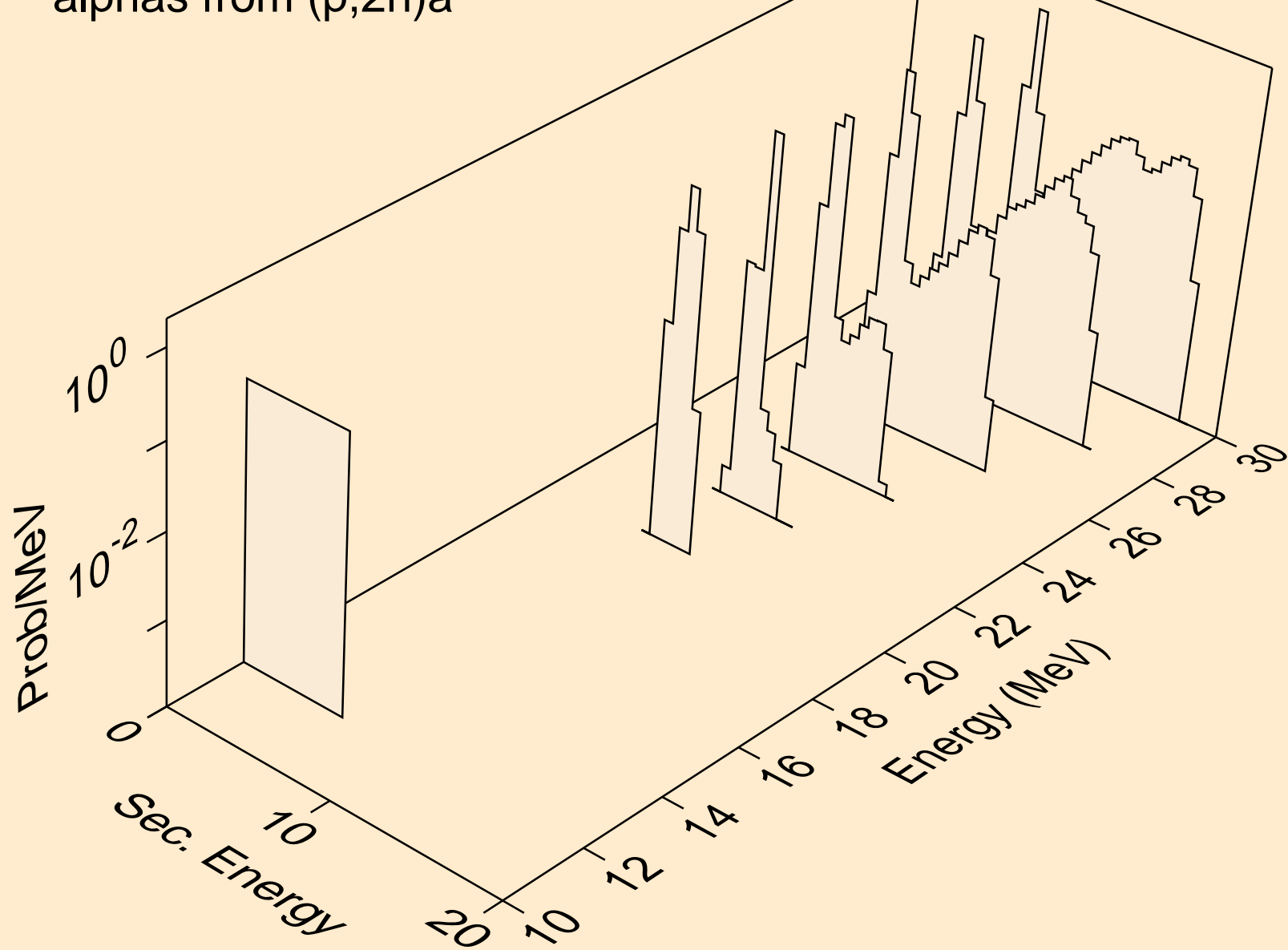
TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)



TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a

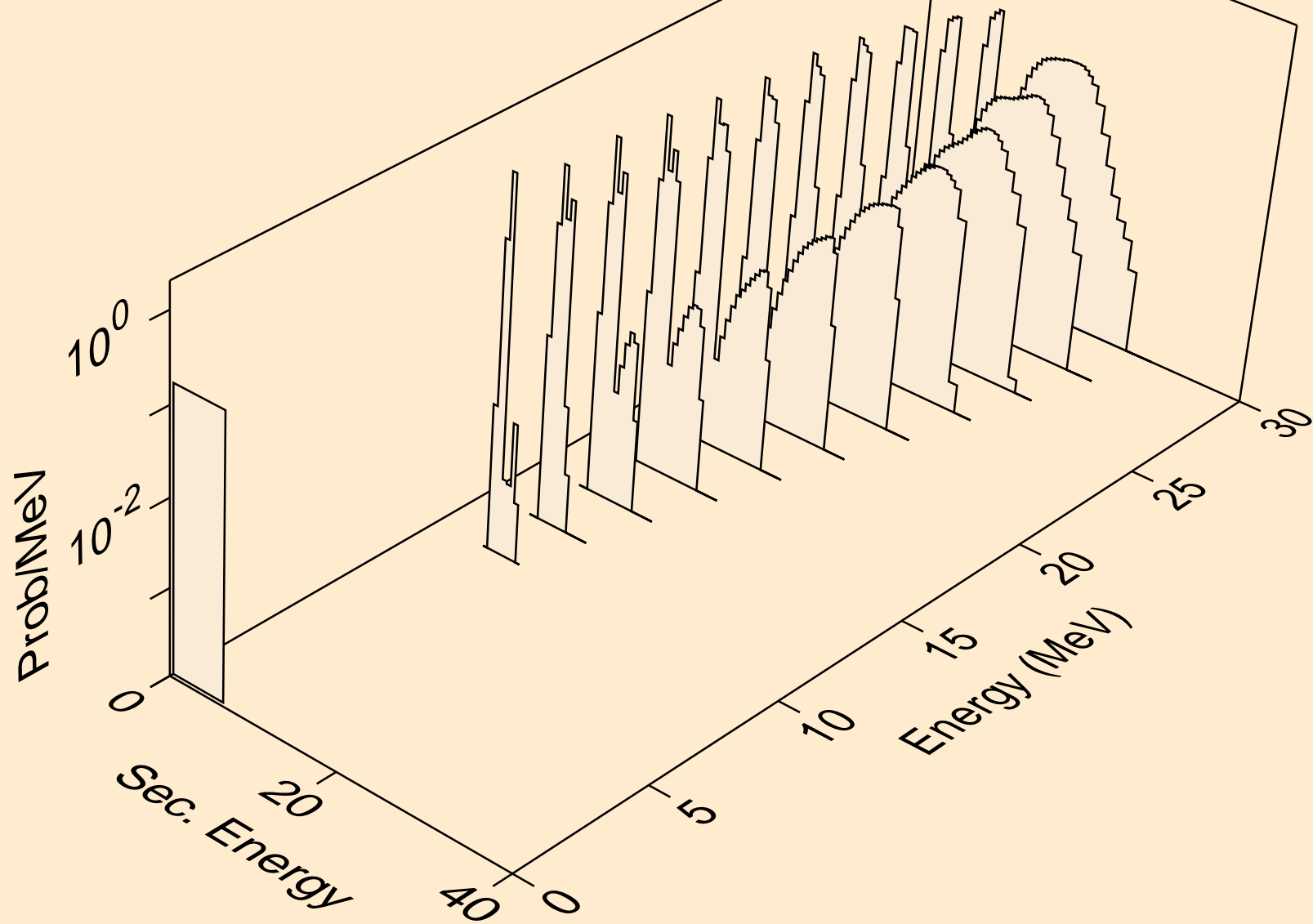


TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)a

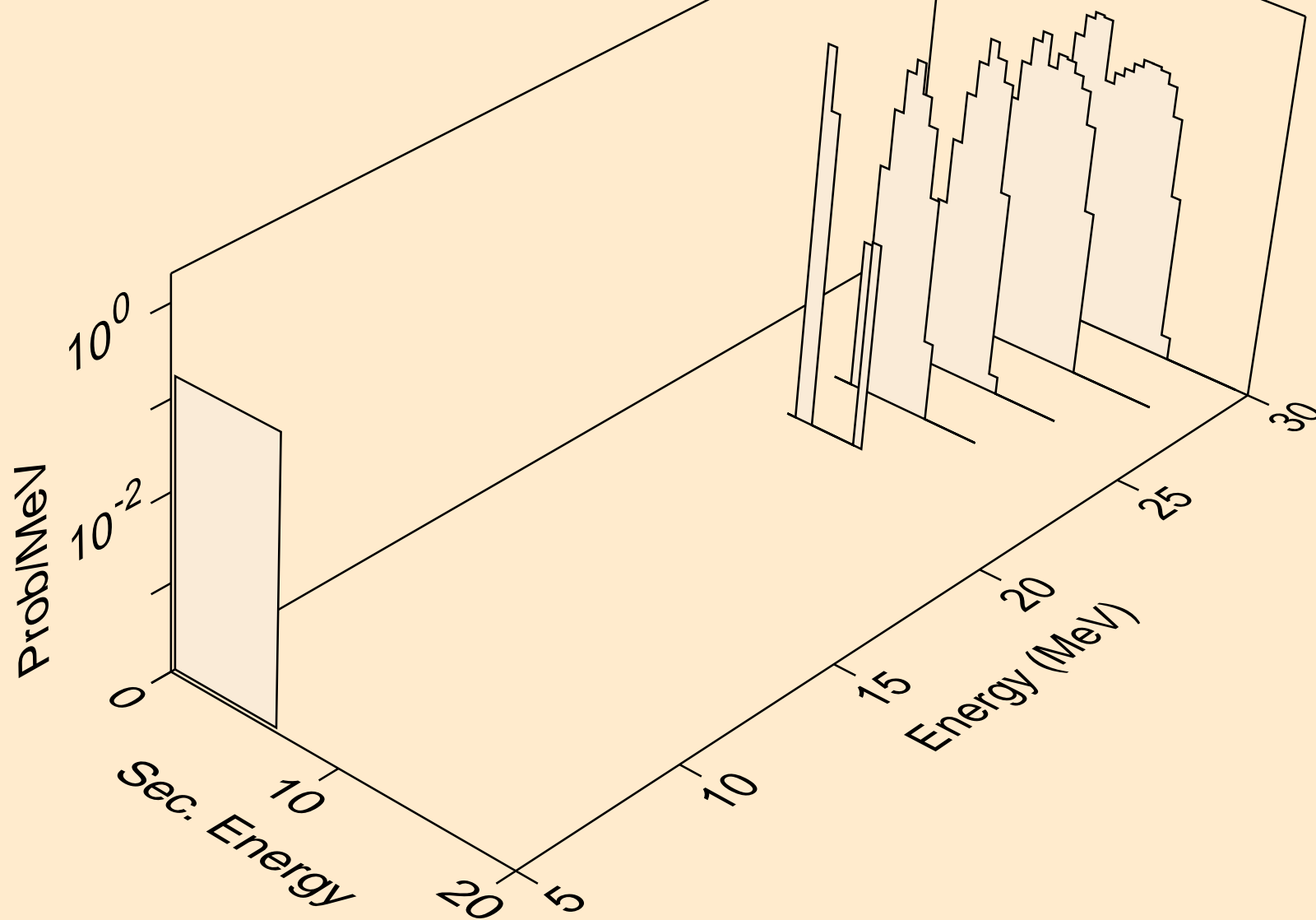




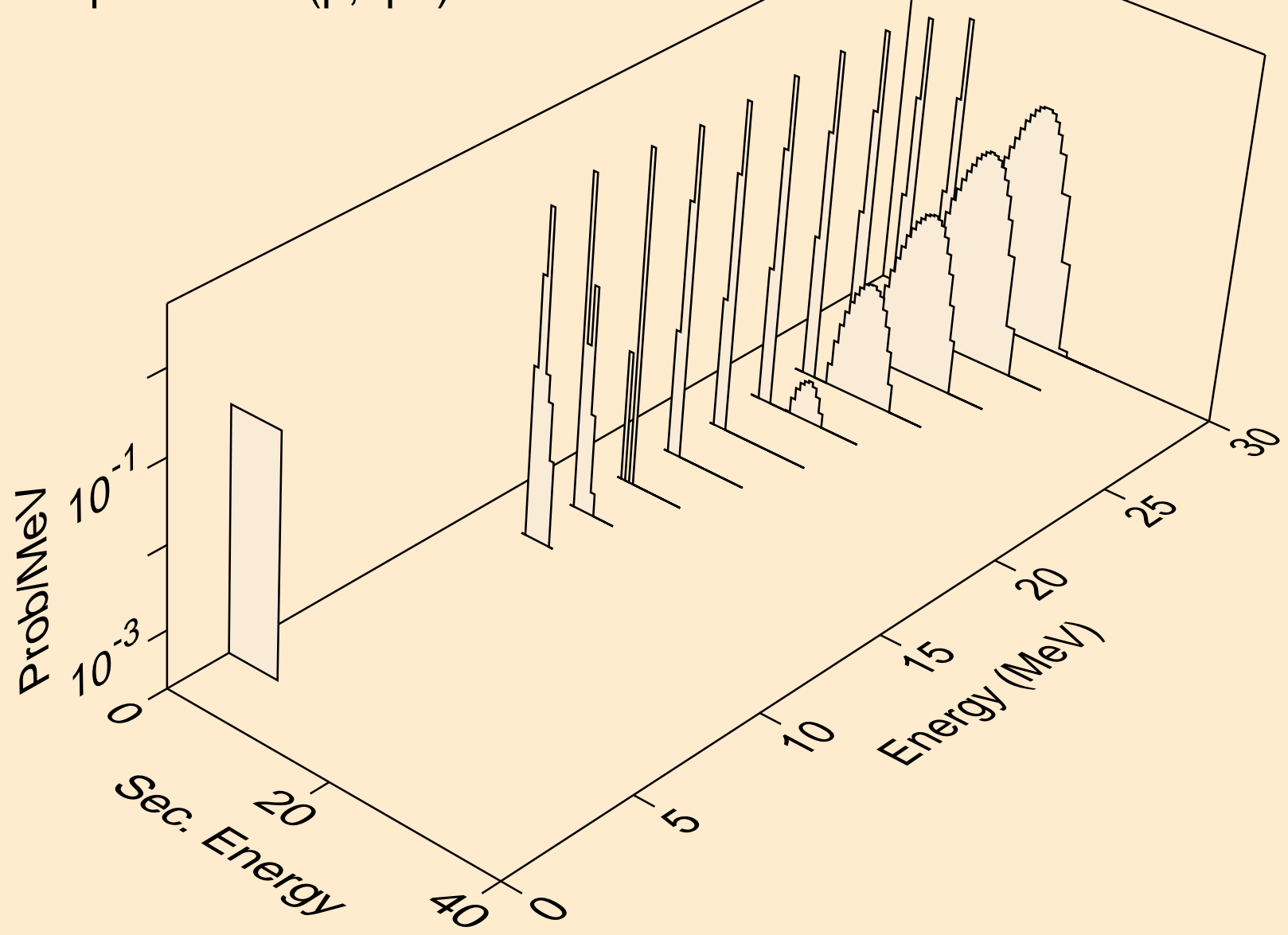
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alphas from (p,n\*)2a



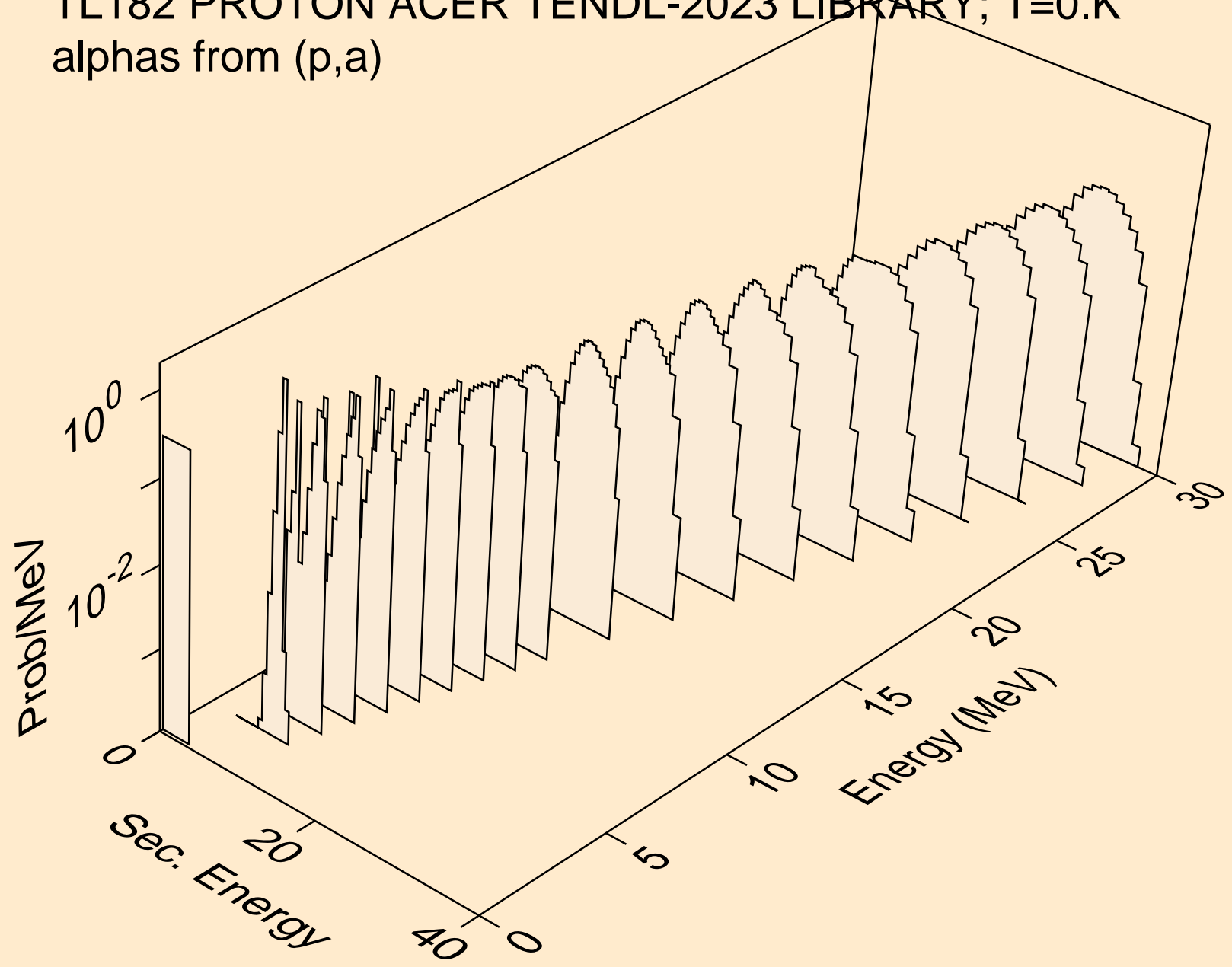
TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)2a



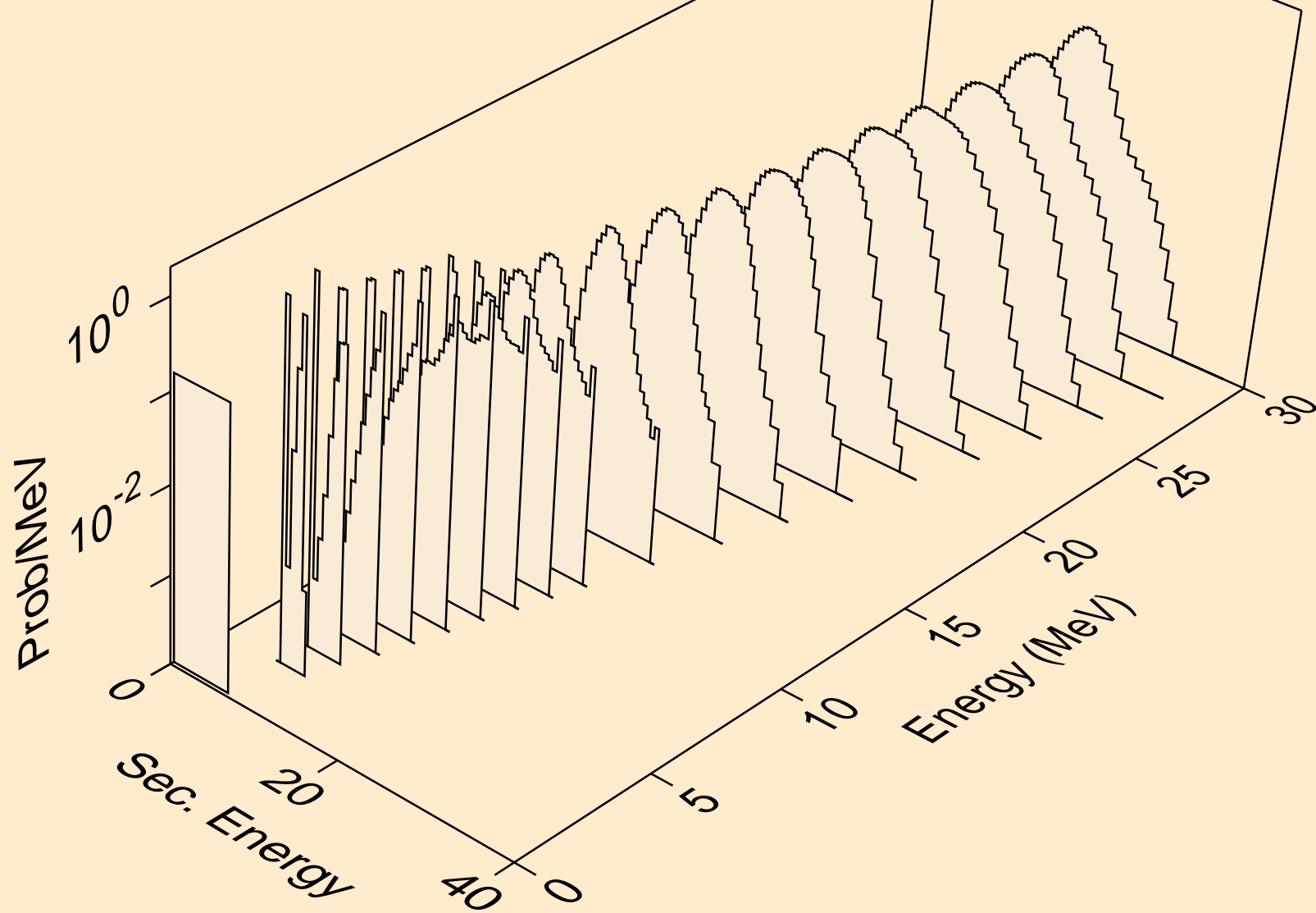
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alphas from (p,npa)



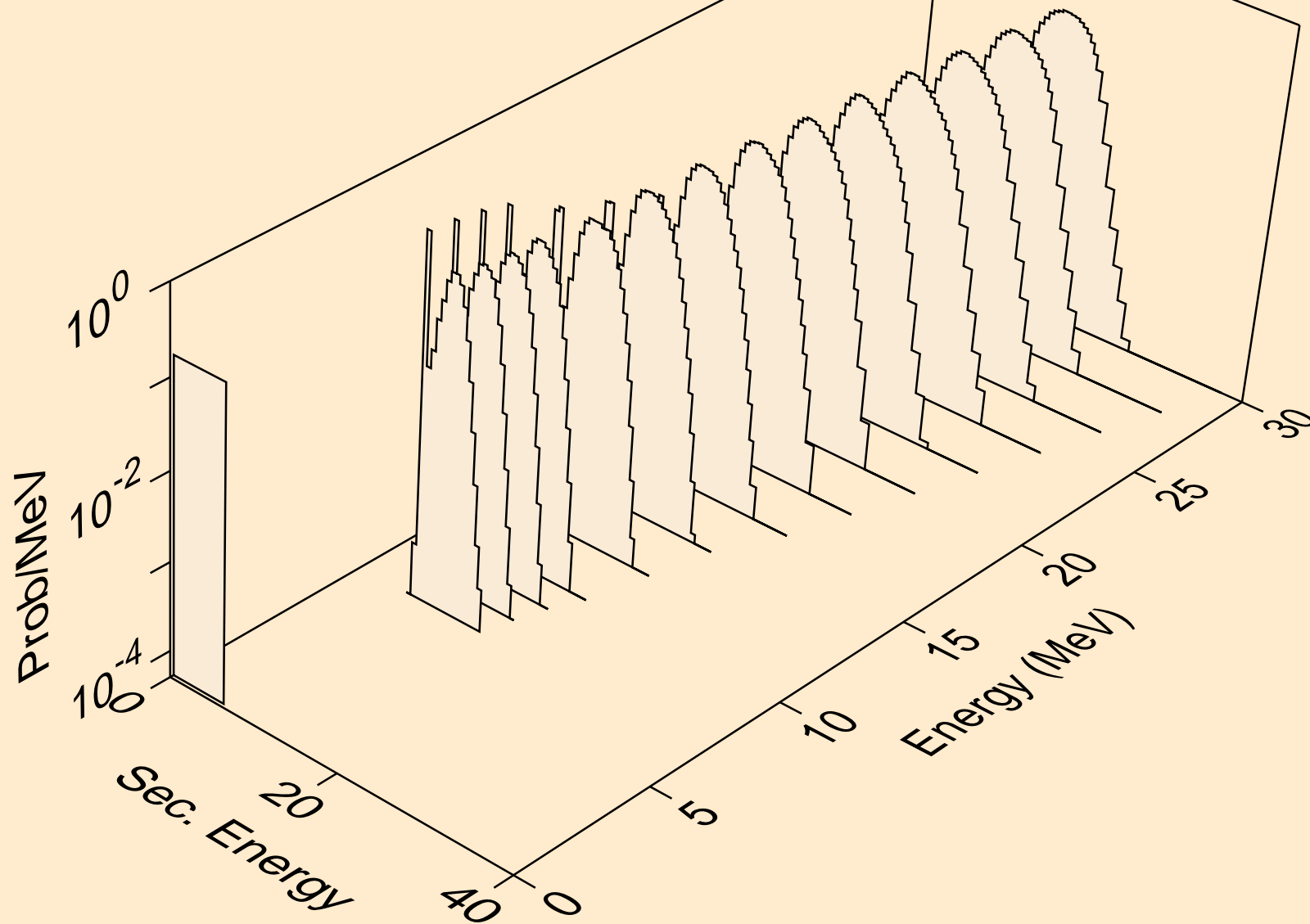
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alphas from (p,a)



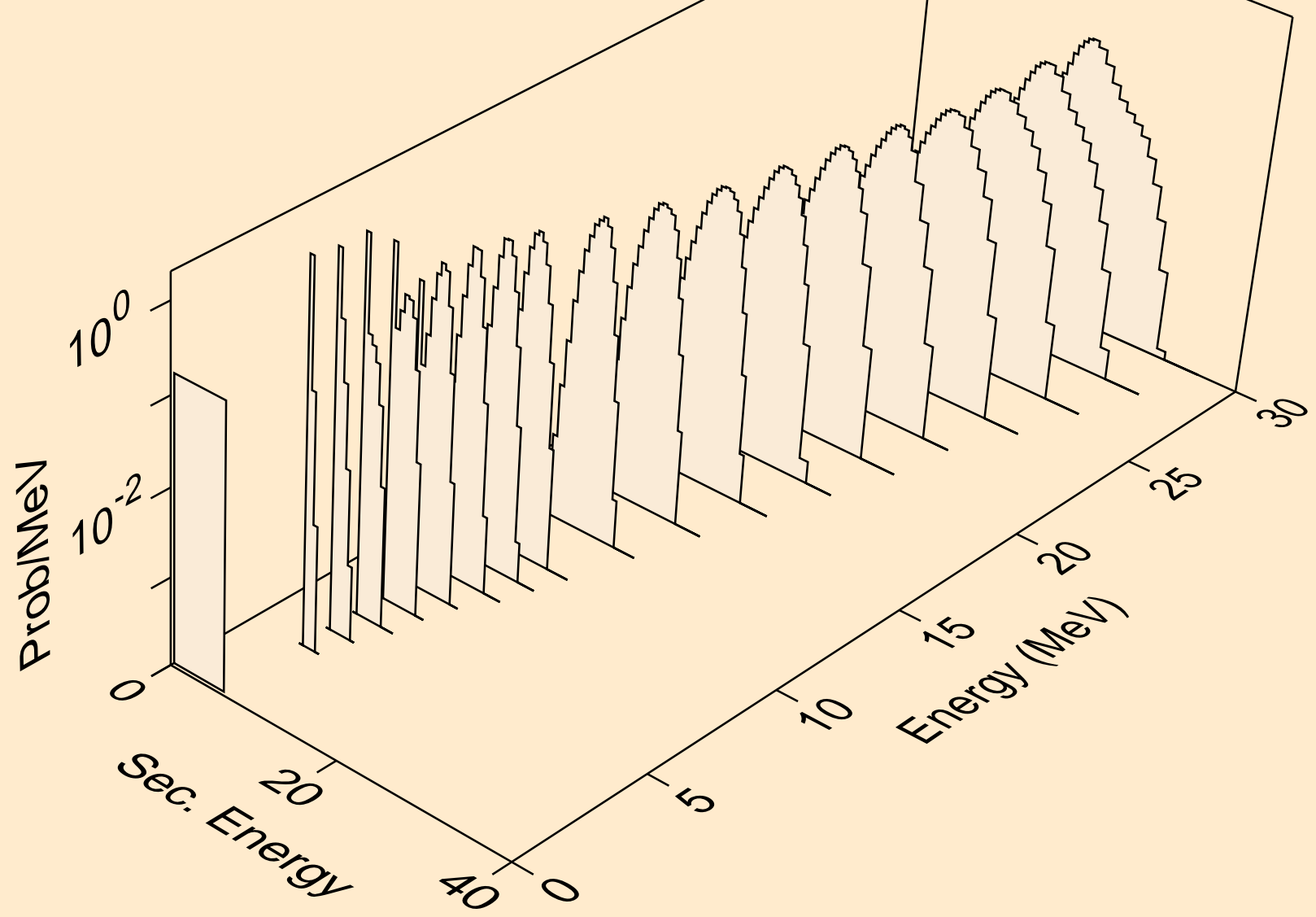
TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2a)



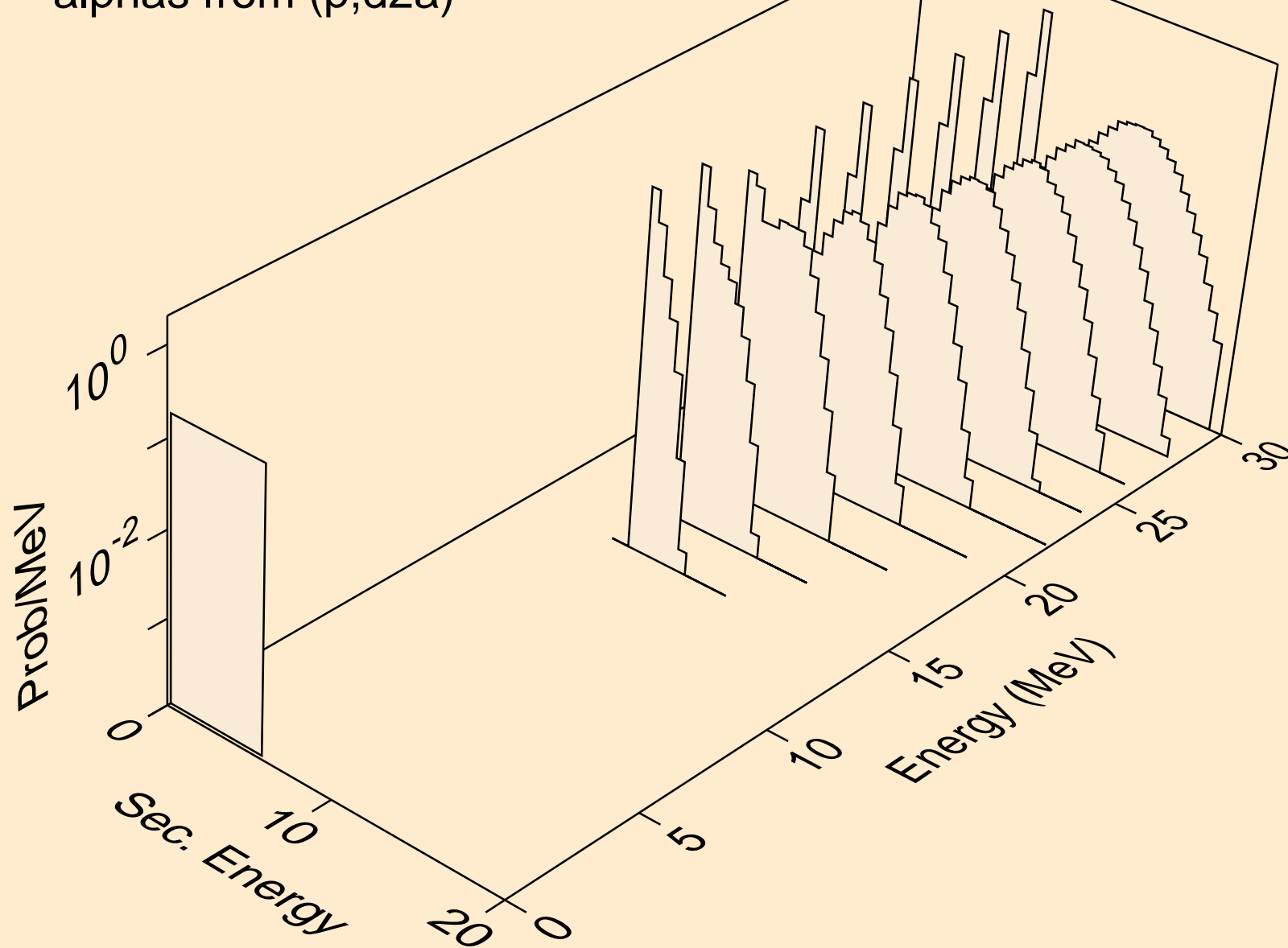
TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,3a)



TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,pa)



TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,d2a)





TL182 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,da)

