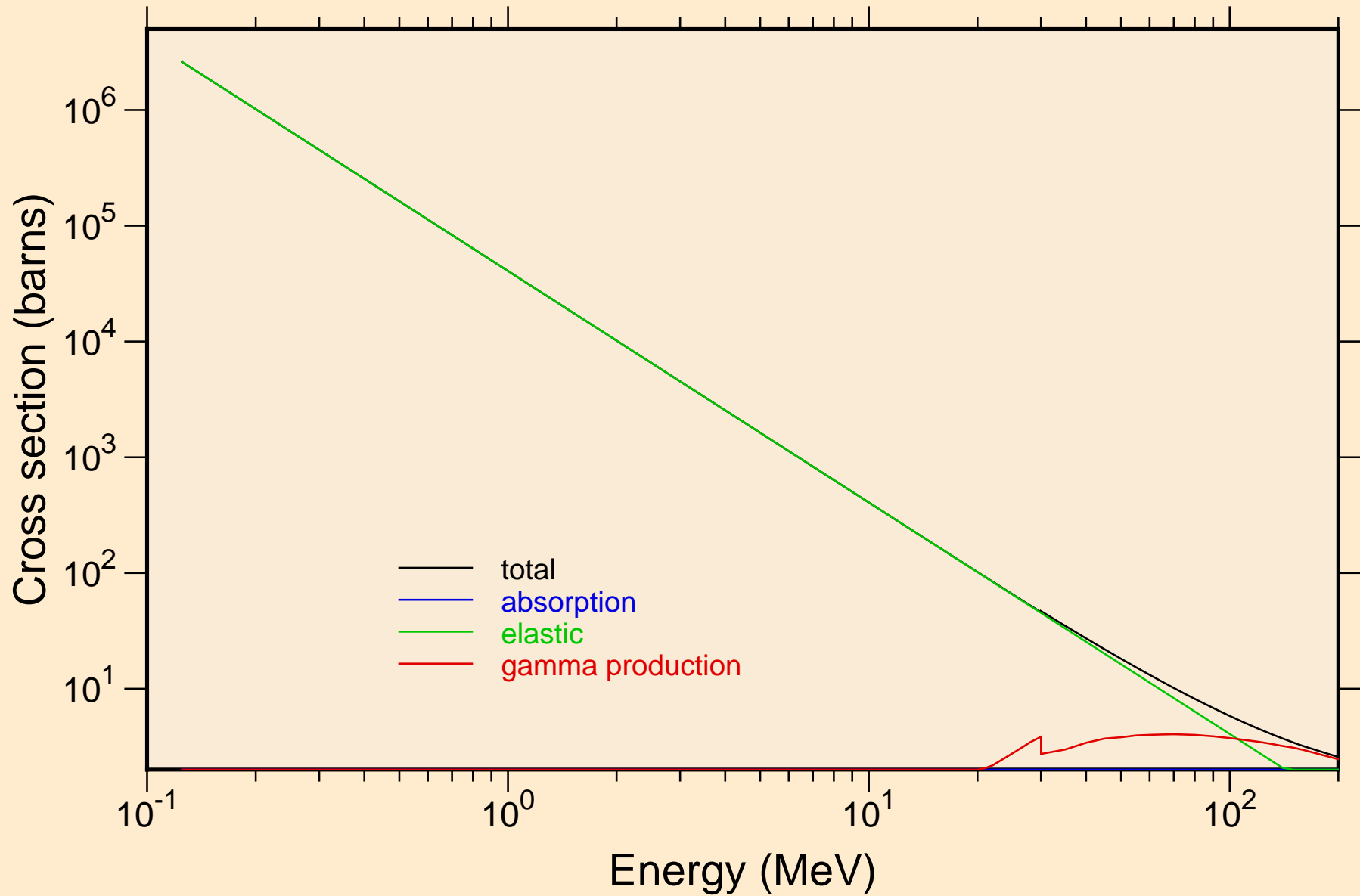


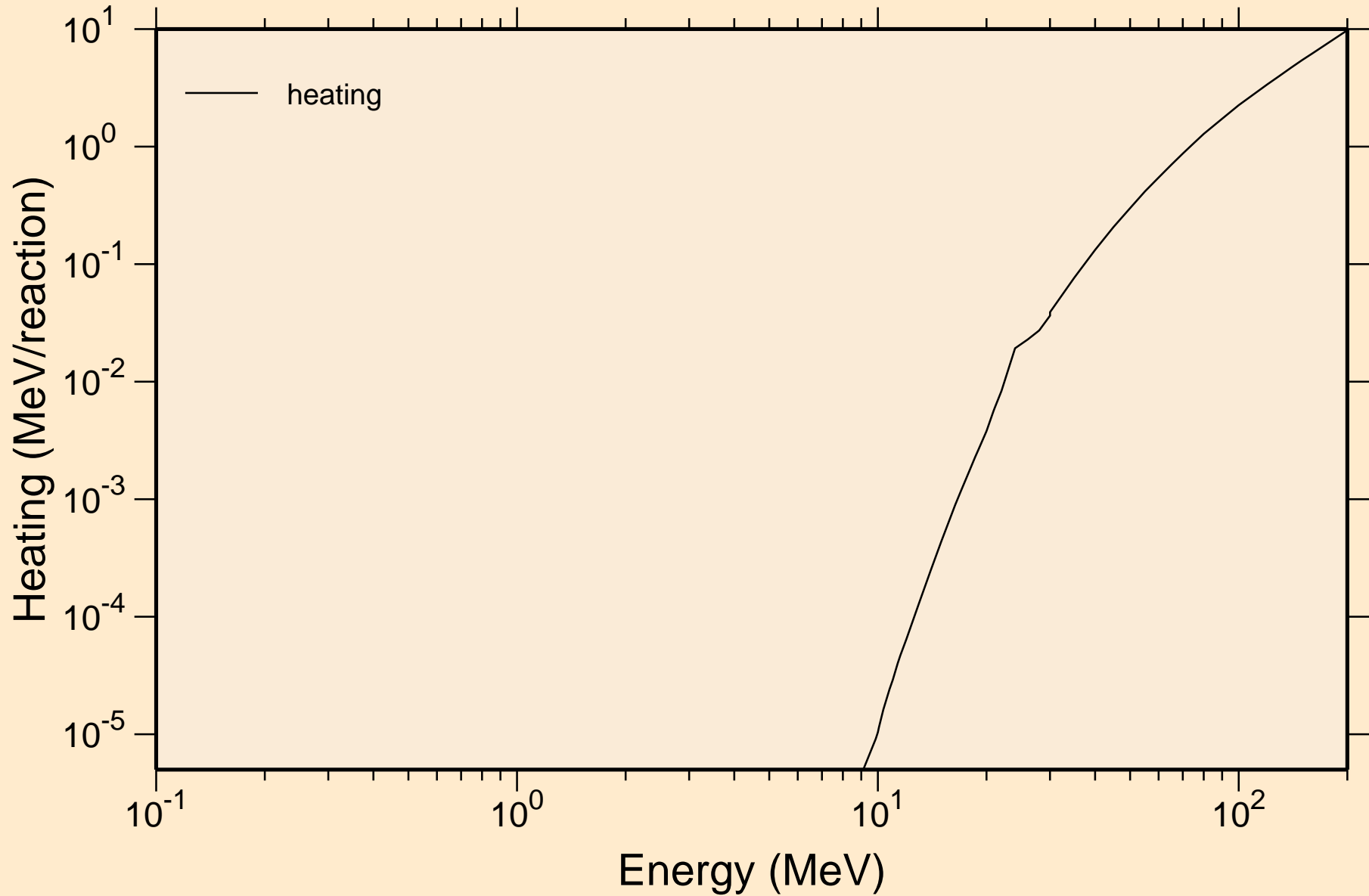
# TL187M PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

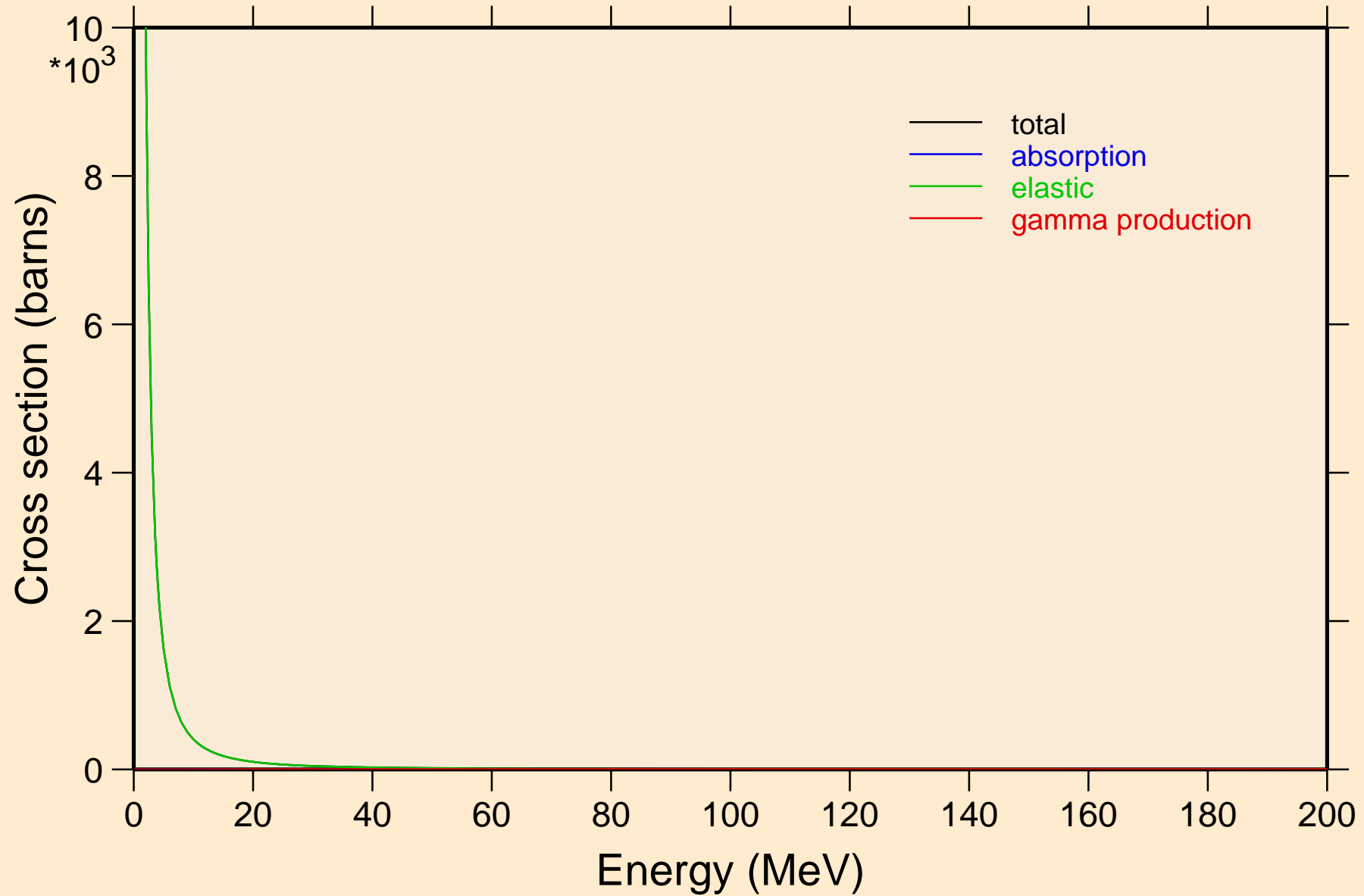


TL187M PROTON ACER TENDL-2023 LIBRARY; T=0.K

Heating

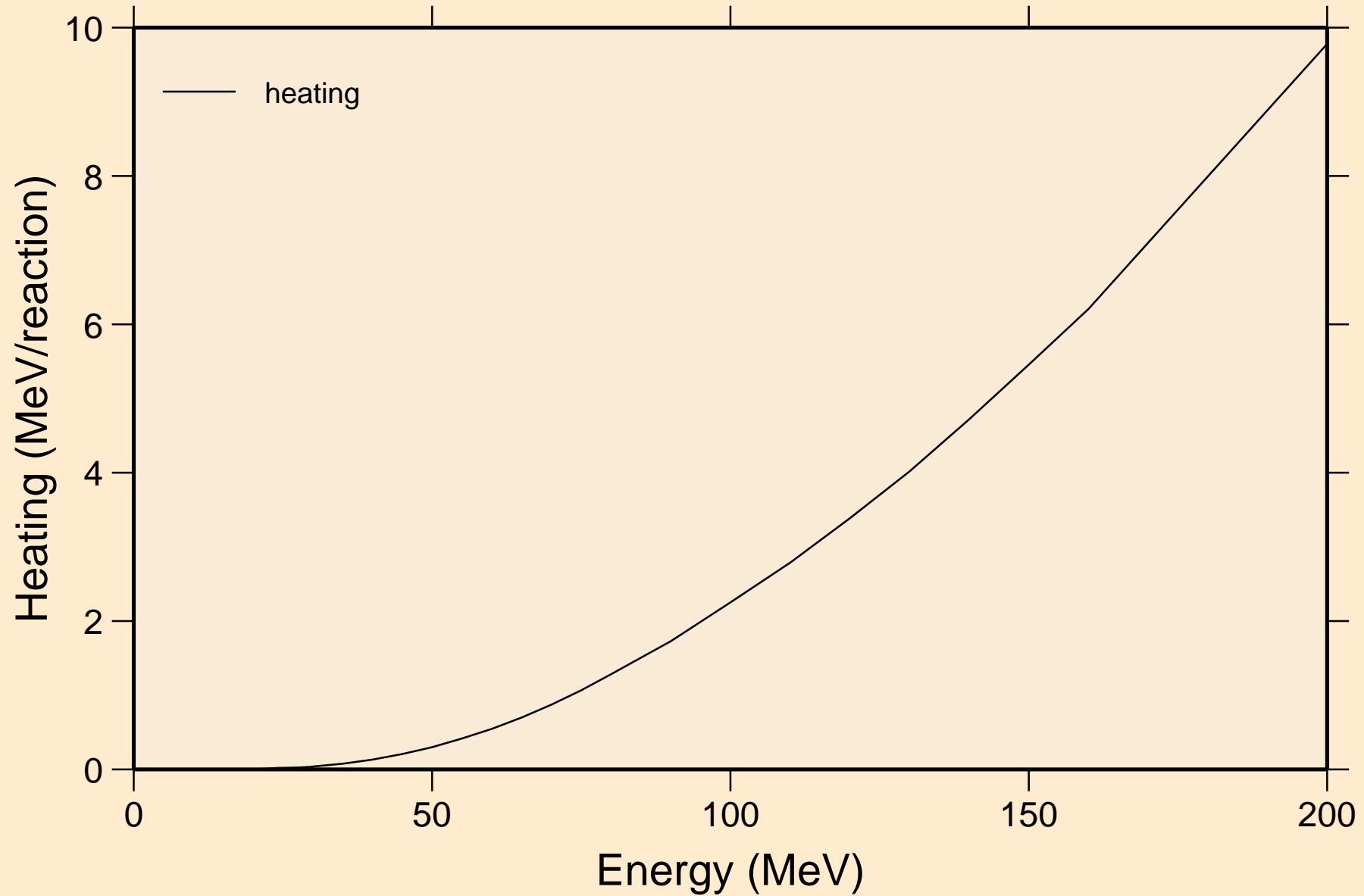


TL187M PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections

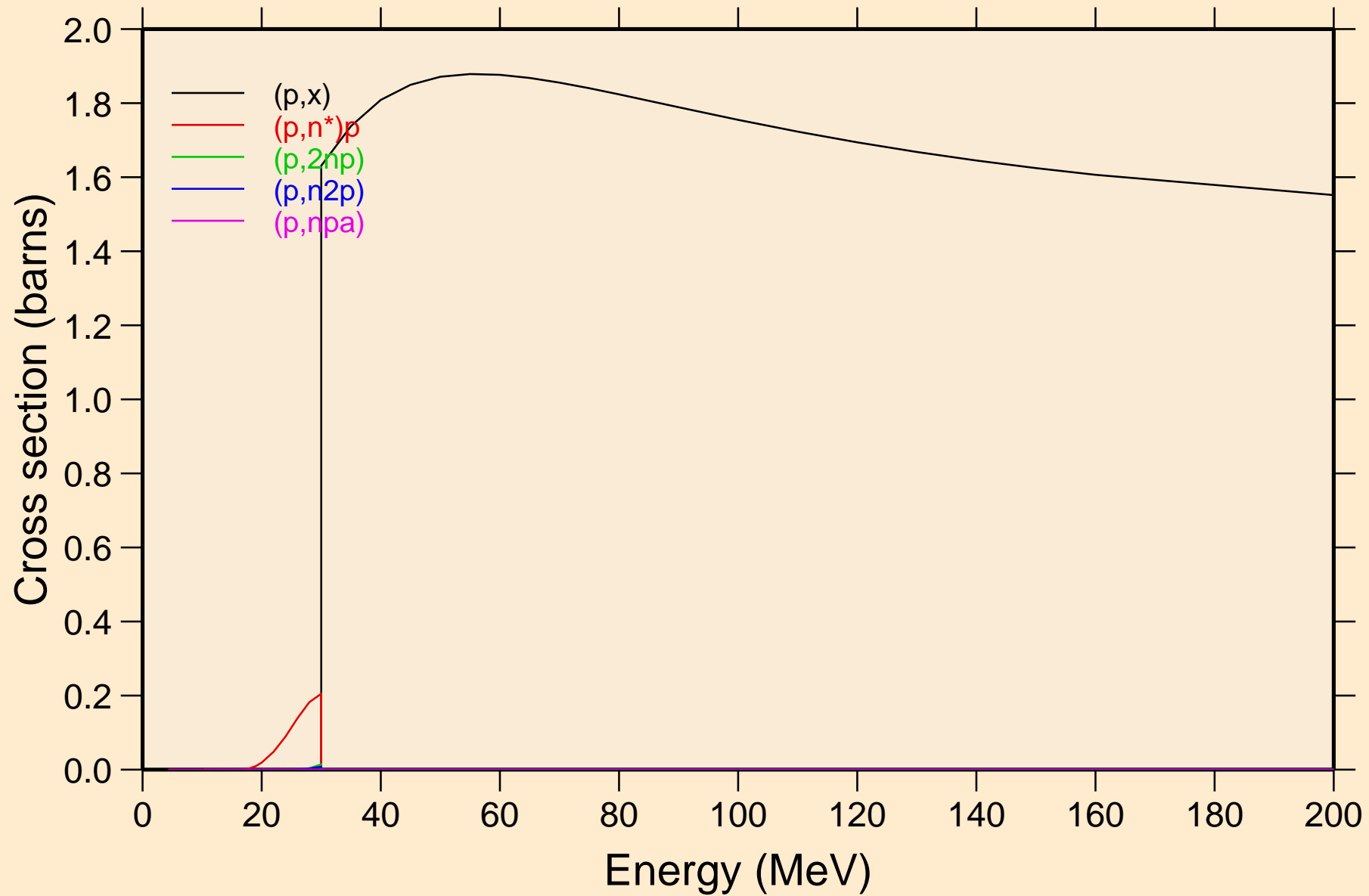


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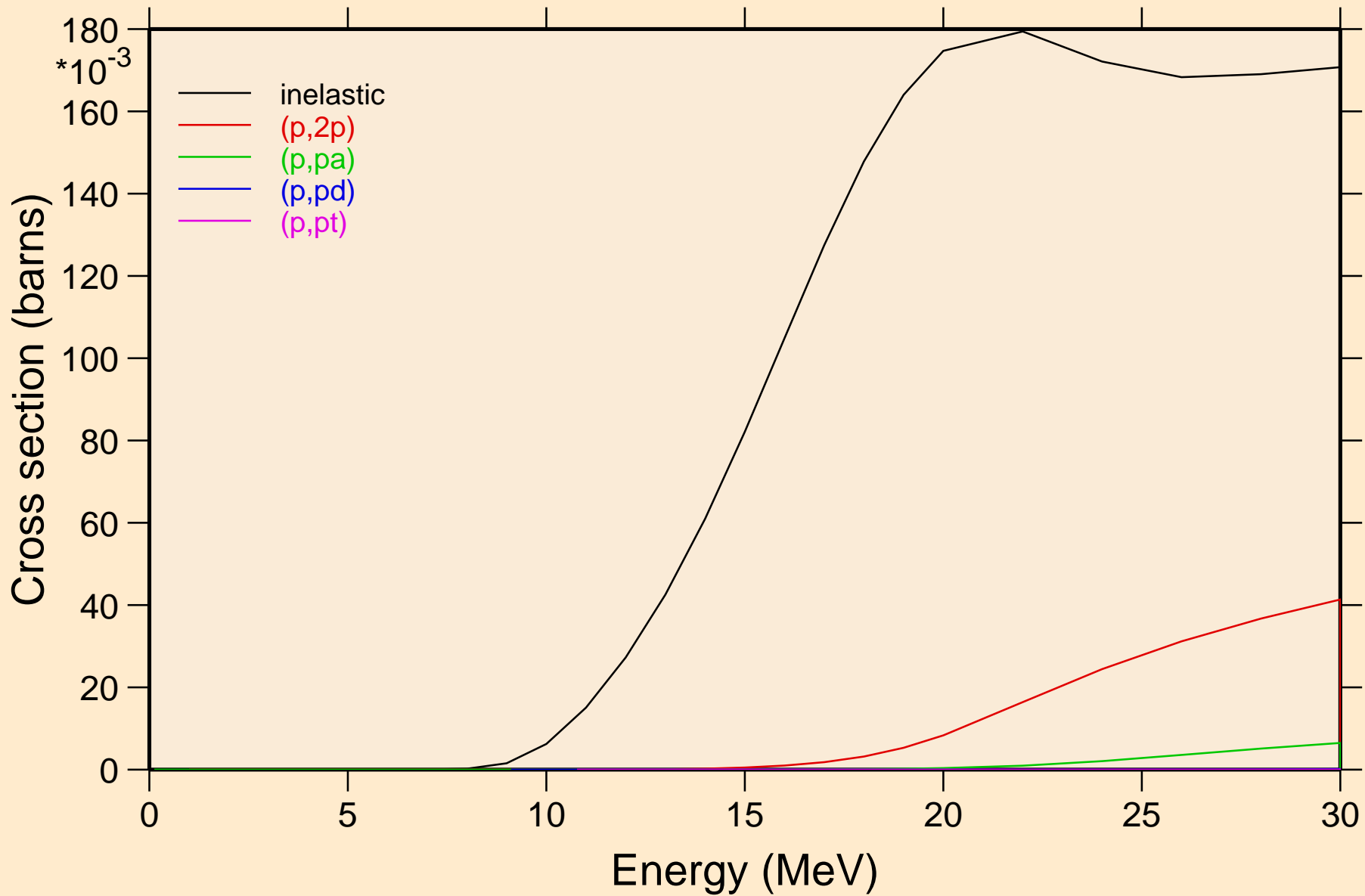
Heating



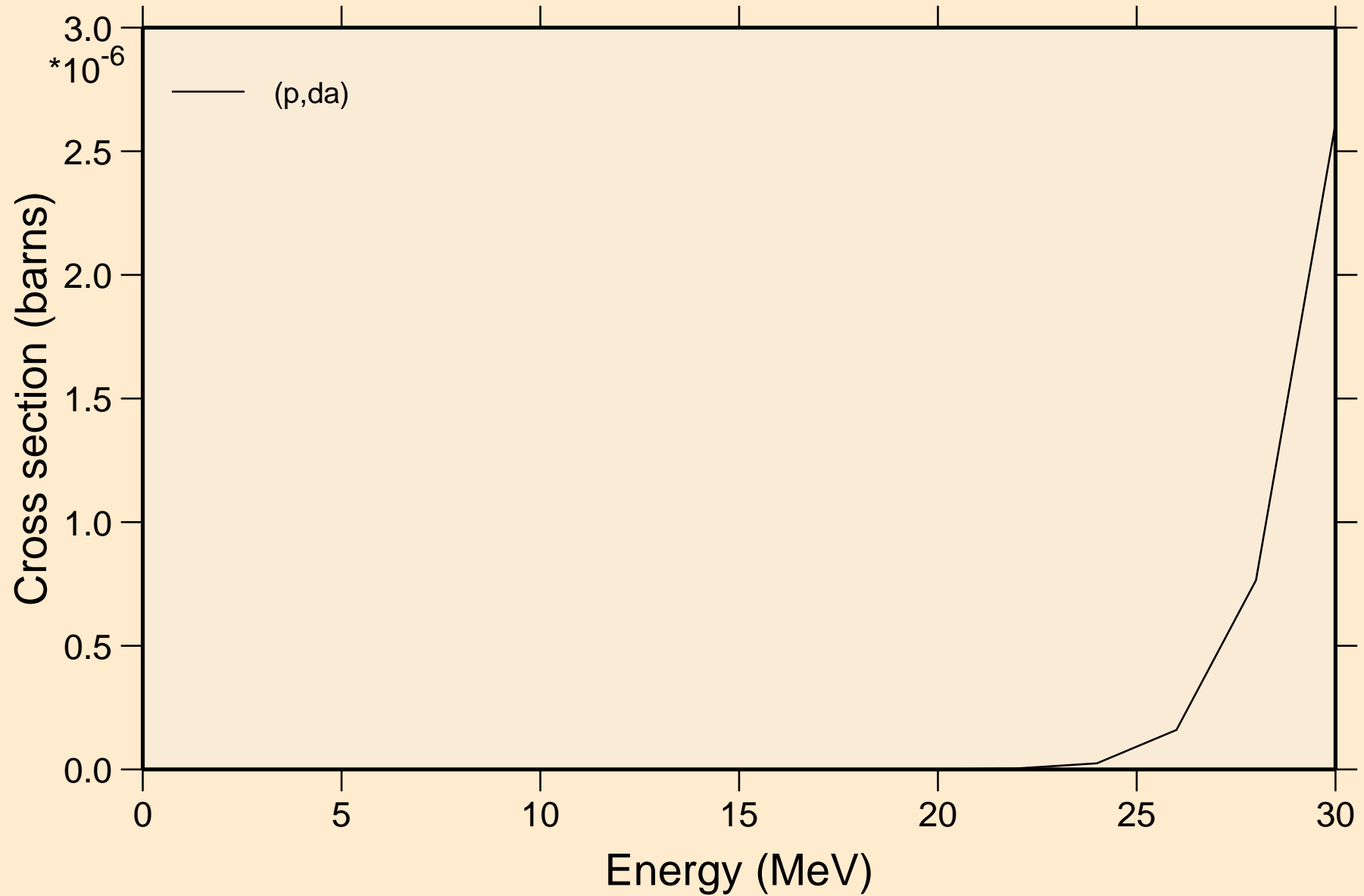
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Threshold reactions



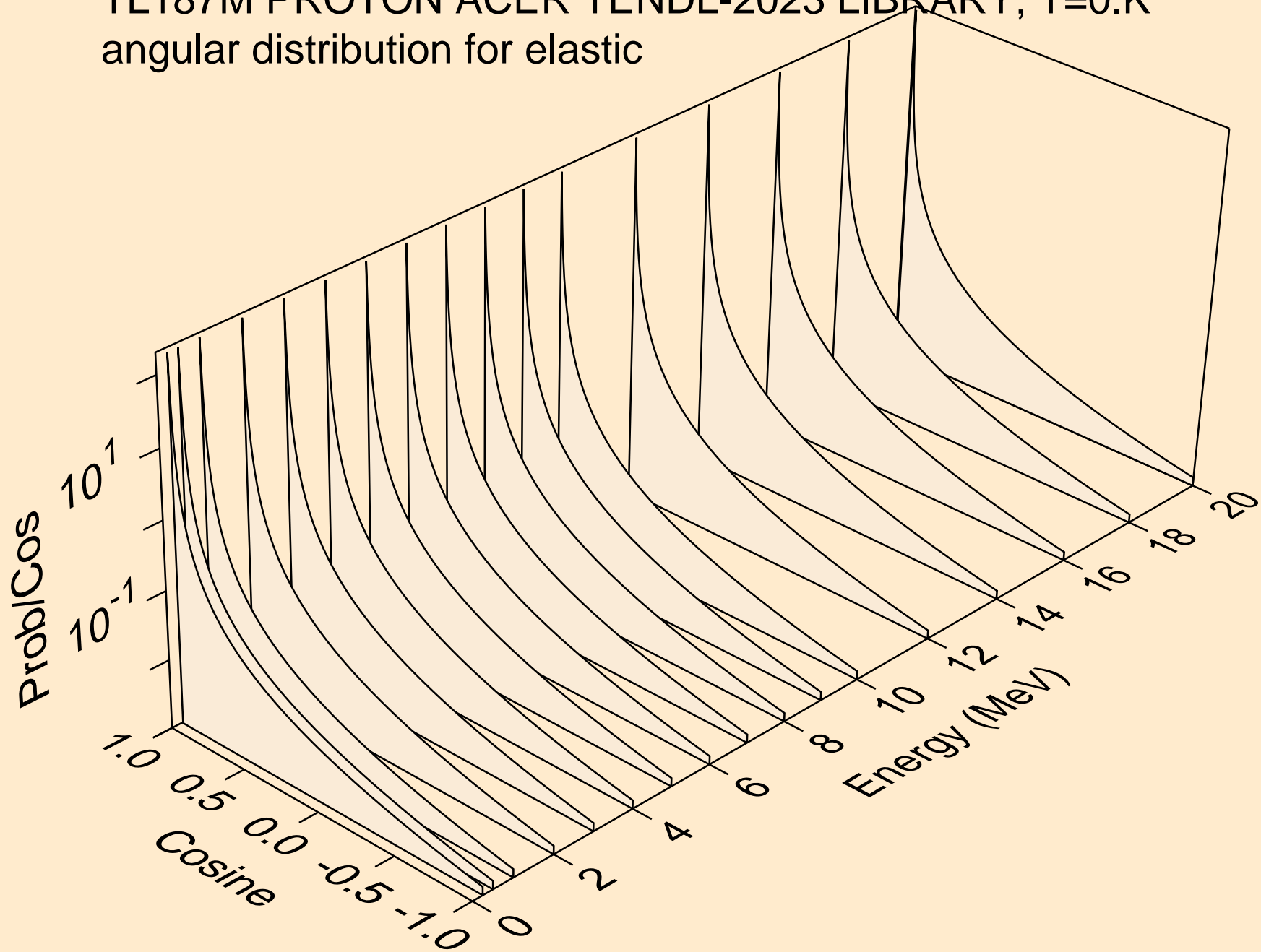
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Threshold reactions



TL187M PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

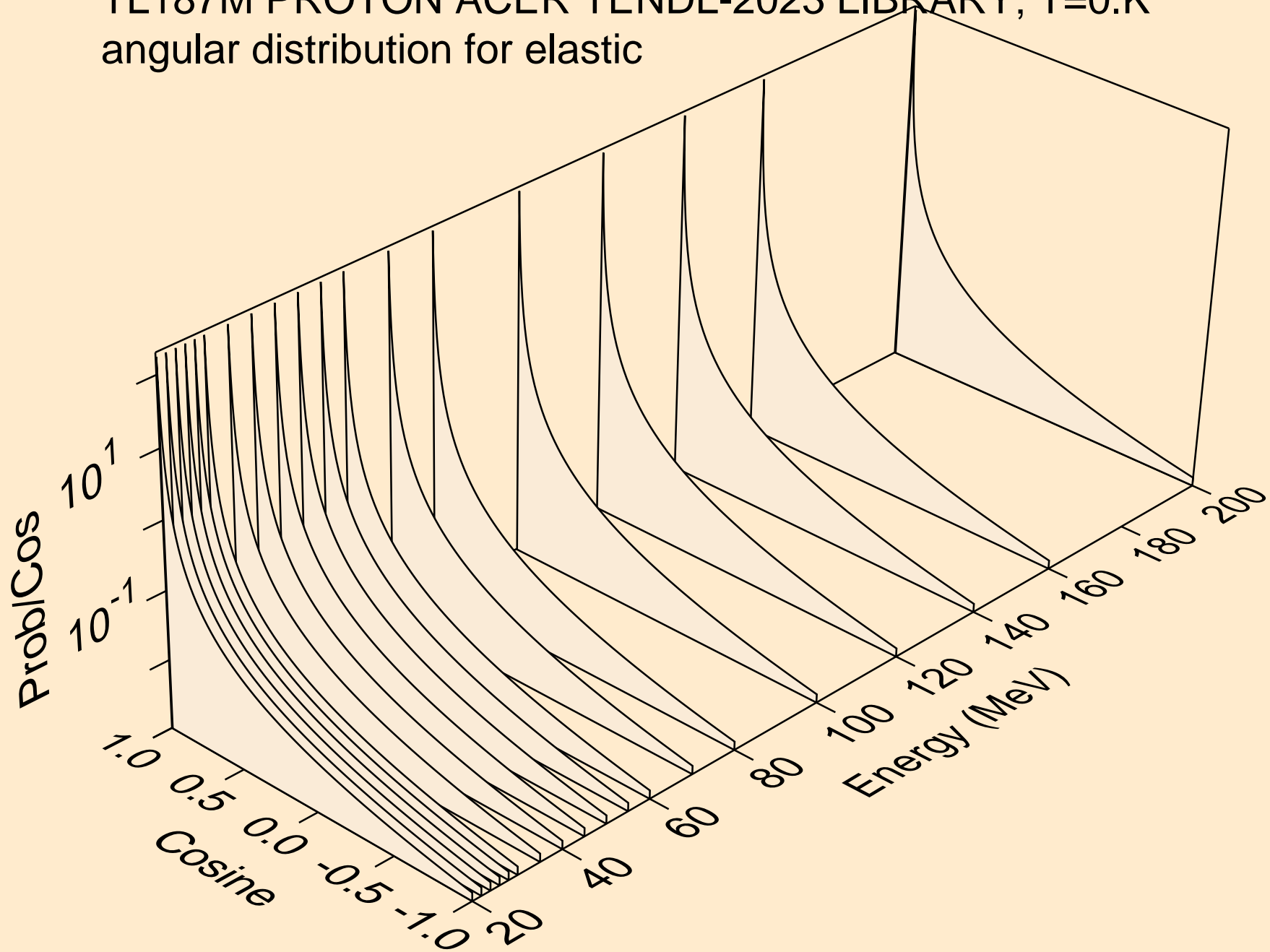


TL187M PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

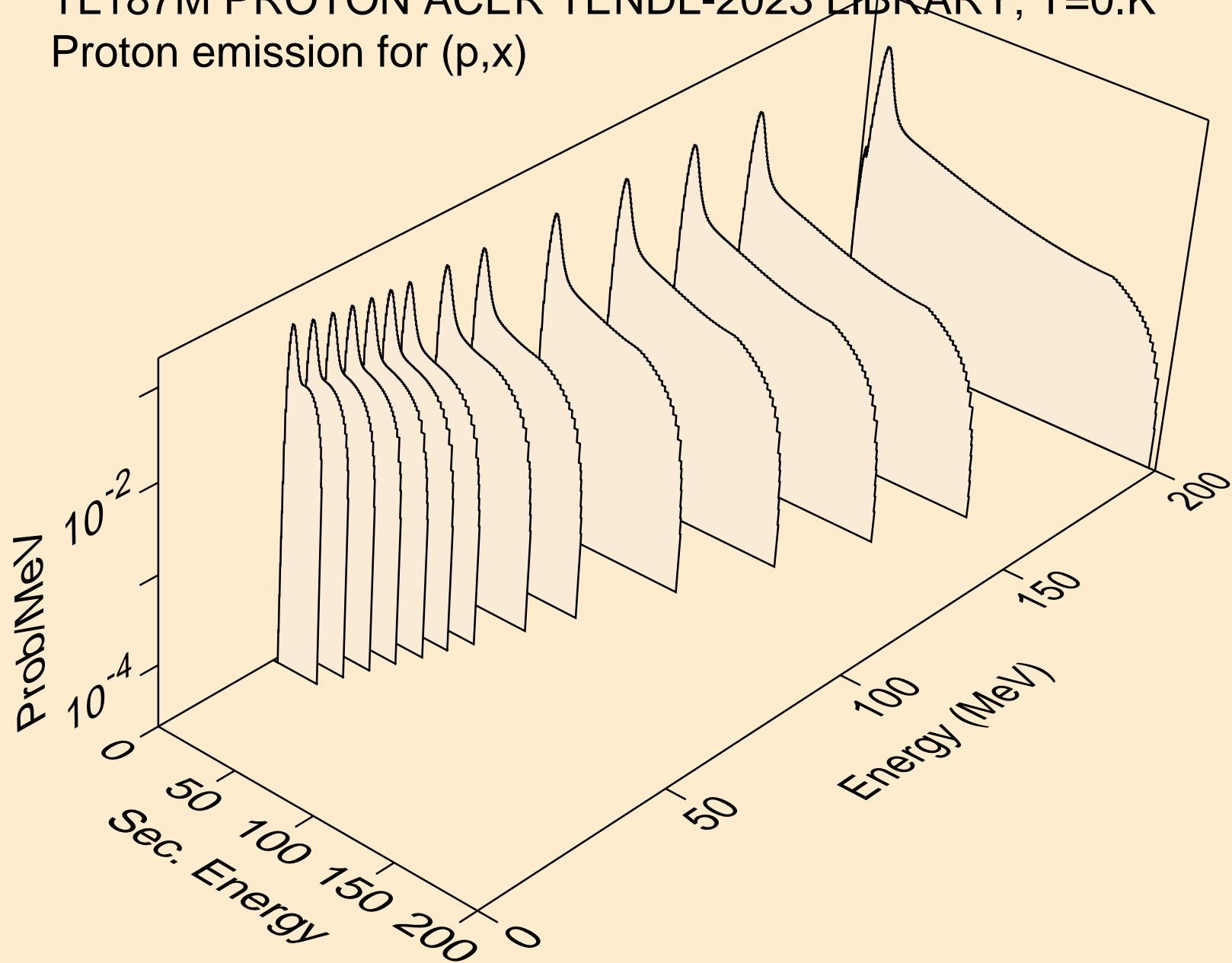




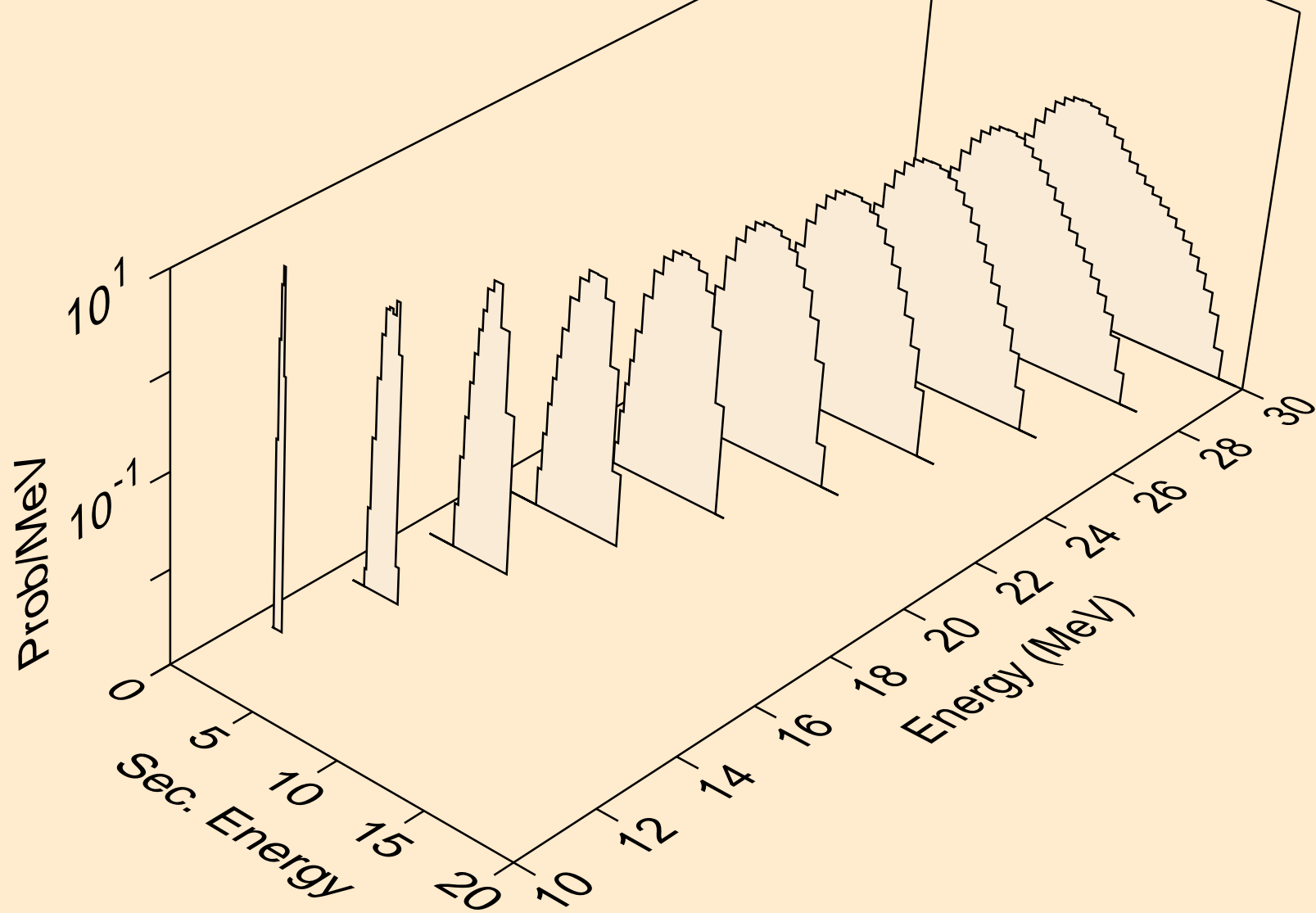
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angular distribution for elastic



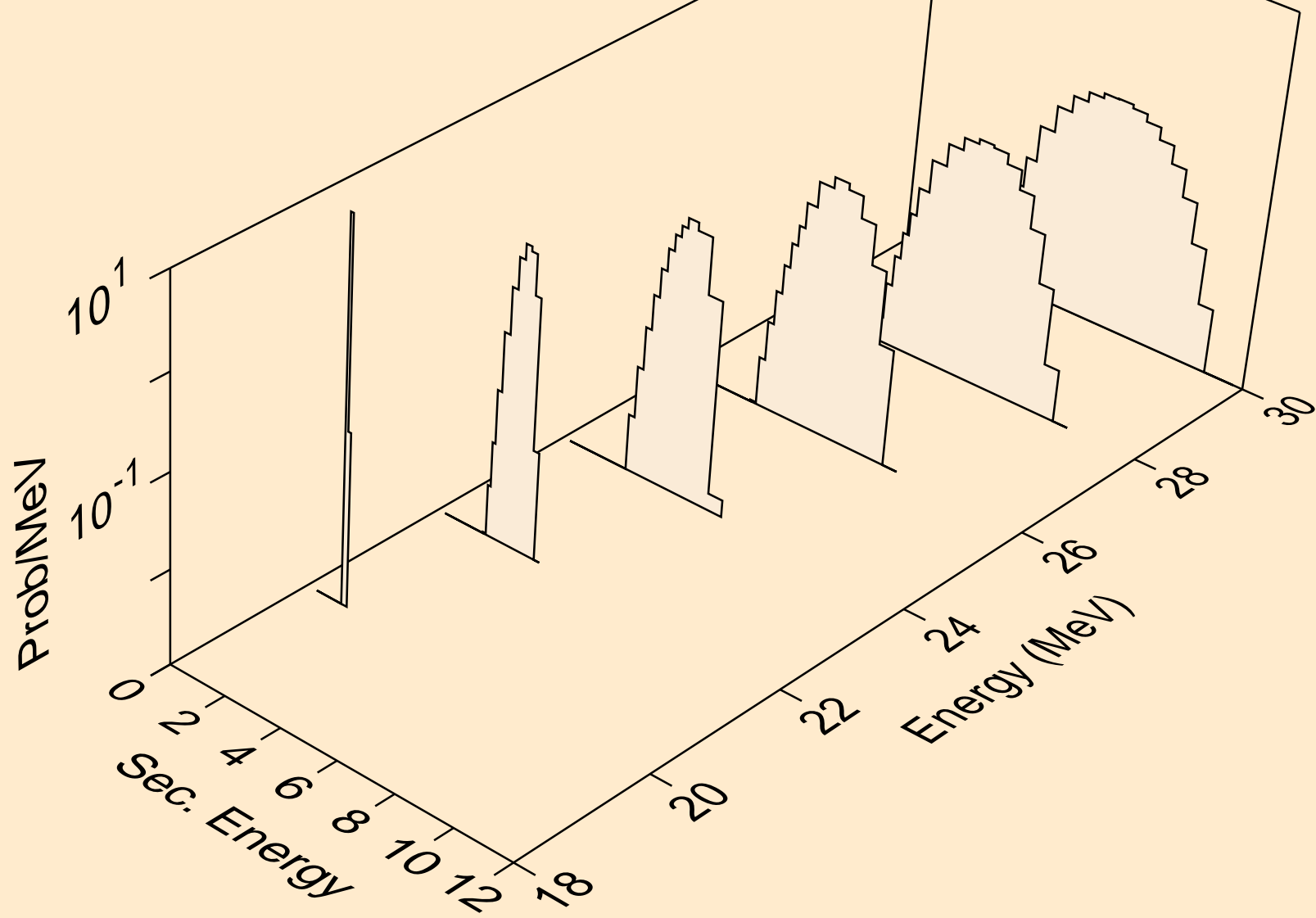
TL187M PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)



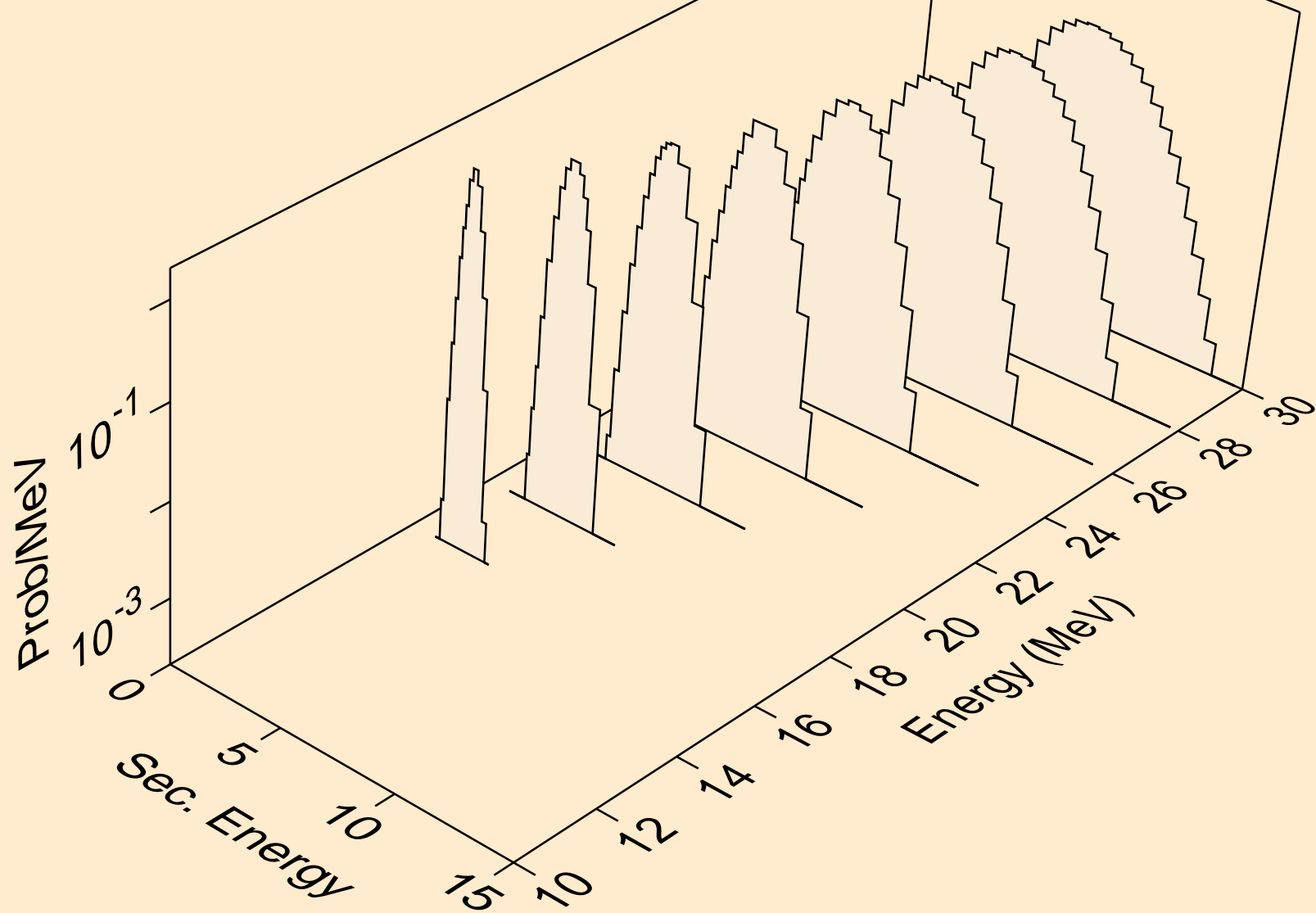
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Proton emission for (p,n\*)p



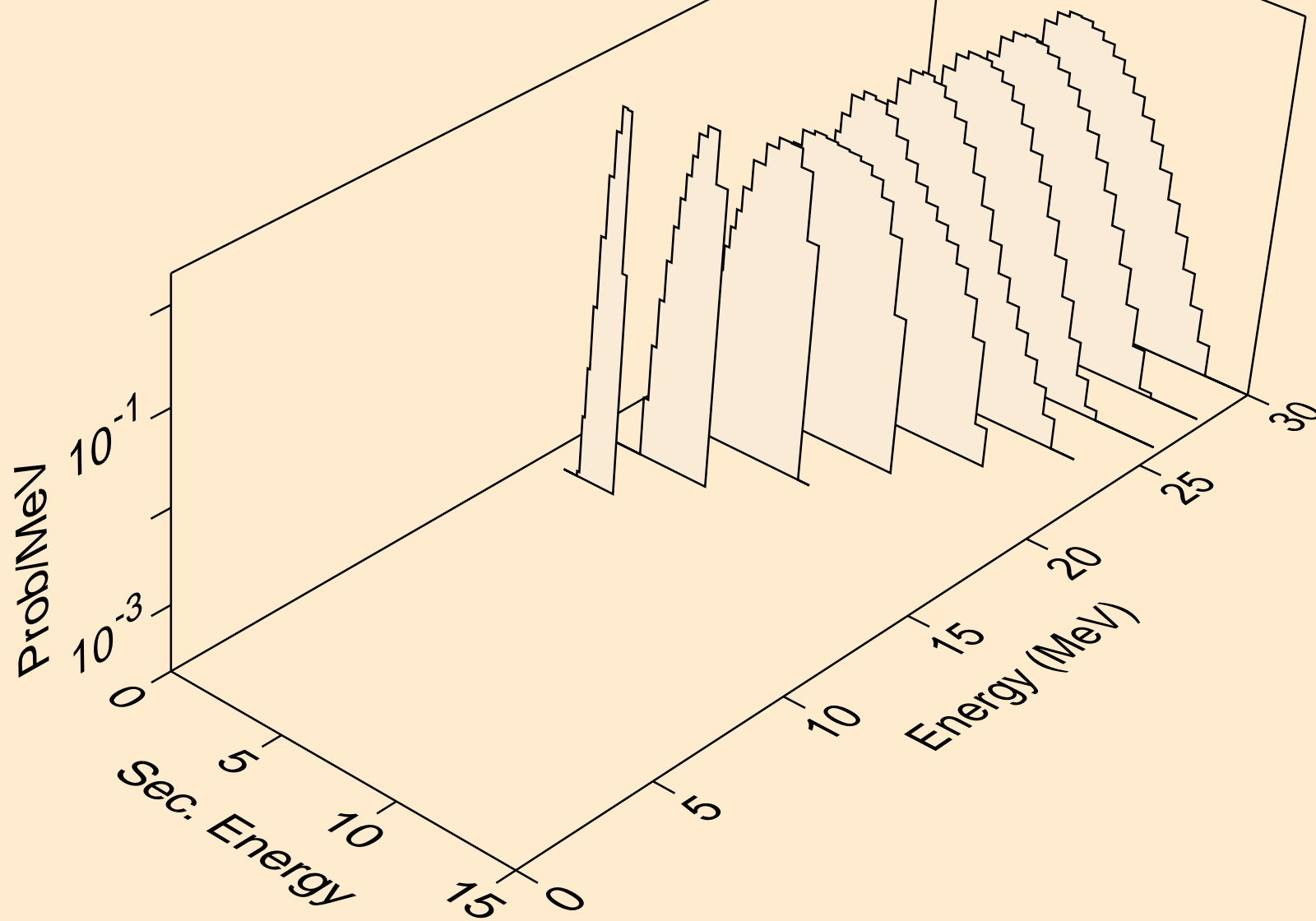
TL187M PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



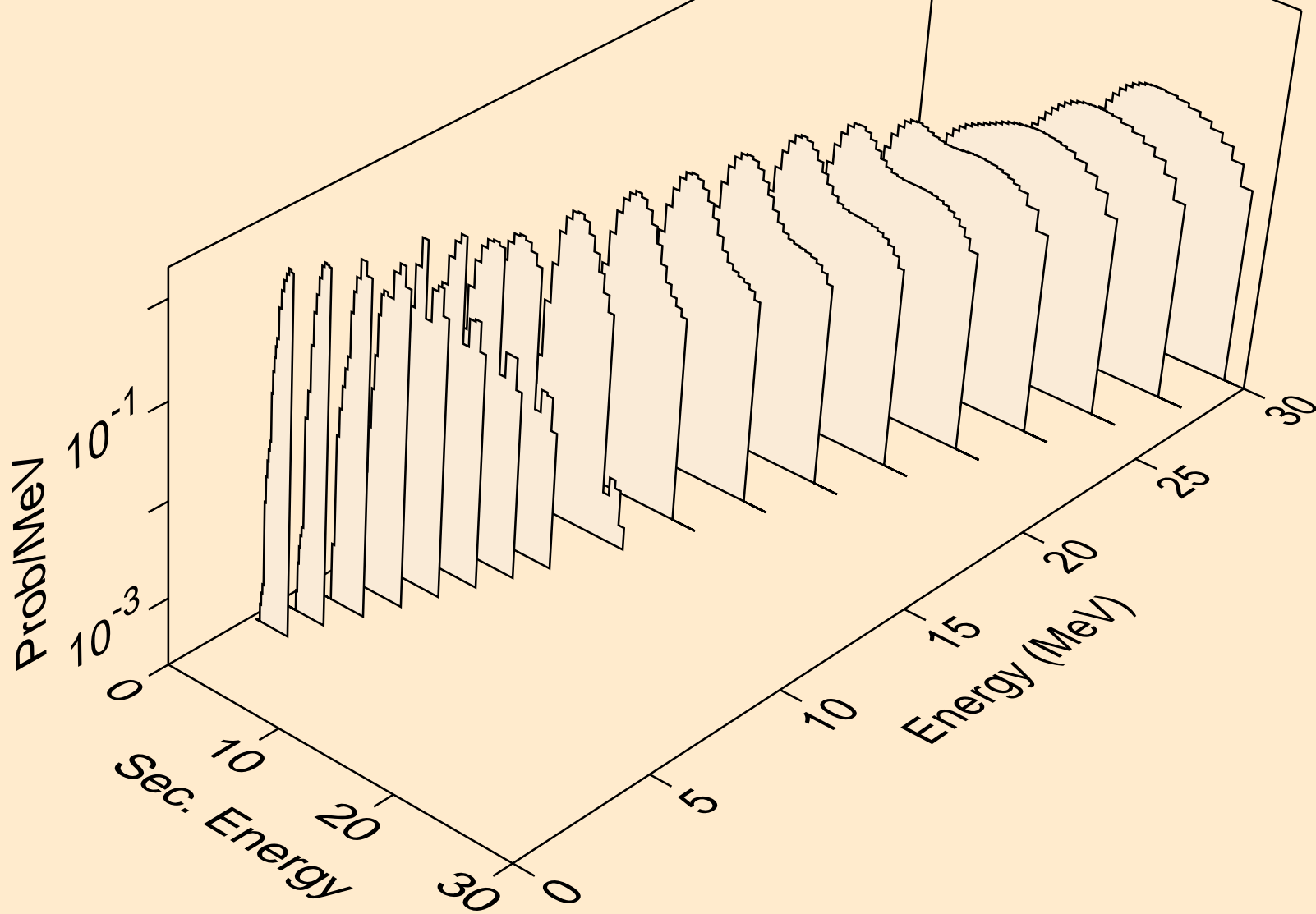
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Proton emission for (p,n2p)



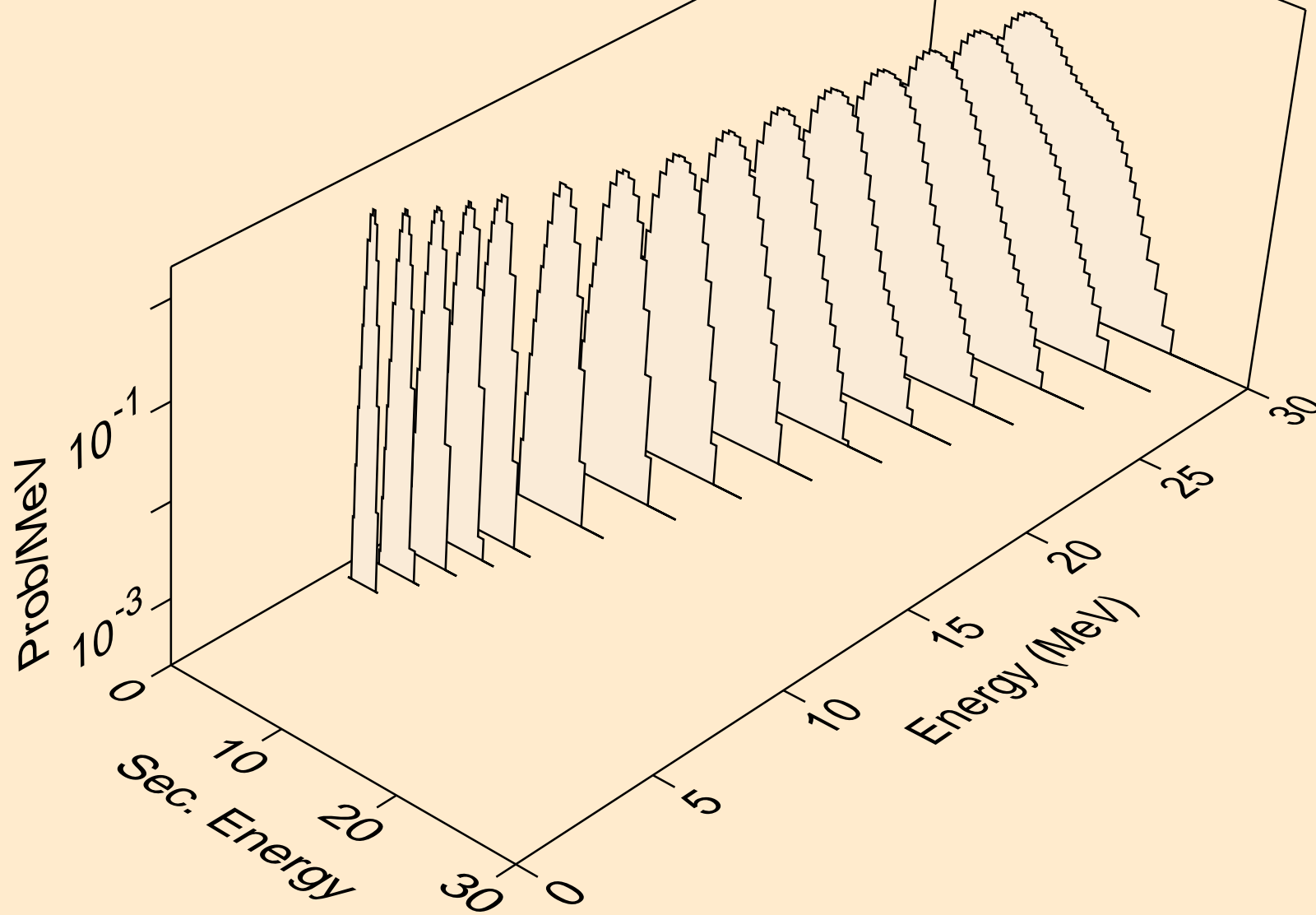
TL187M PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,npa)



TL187M PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic

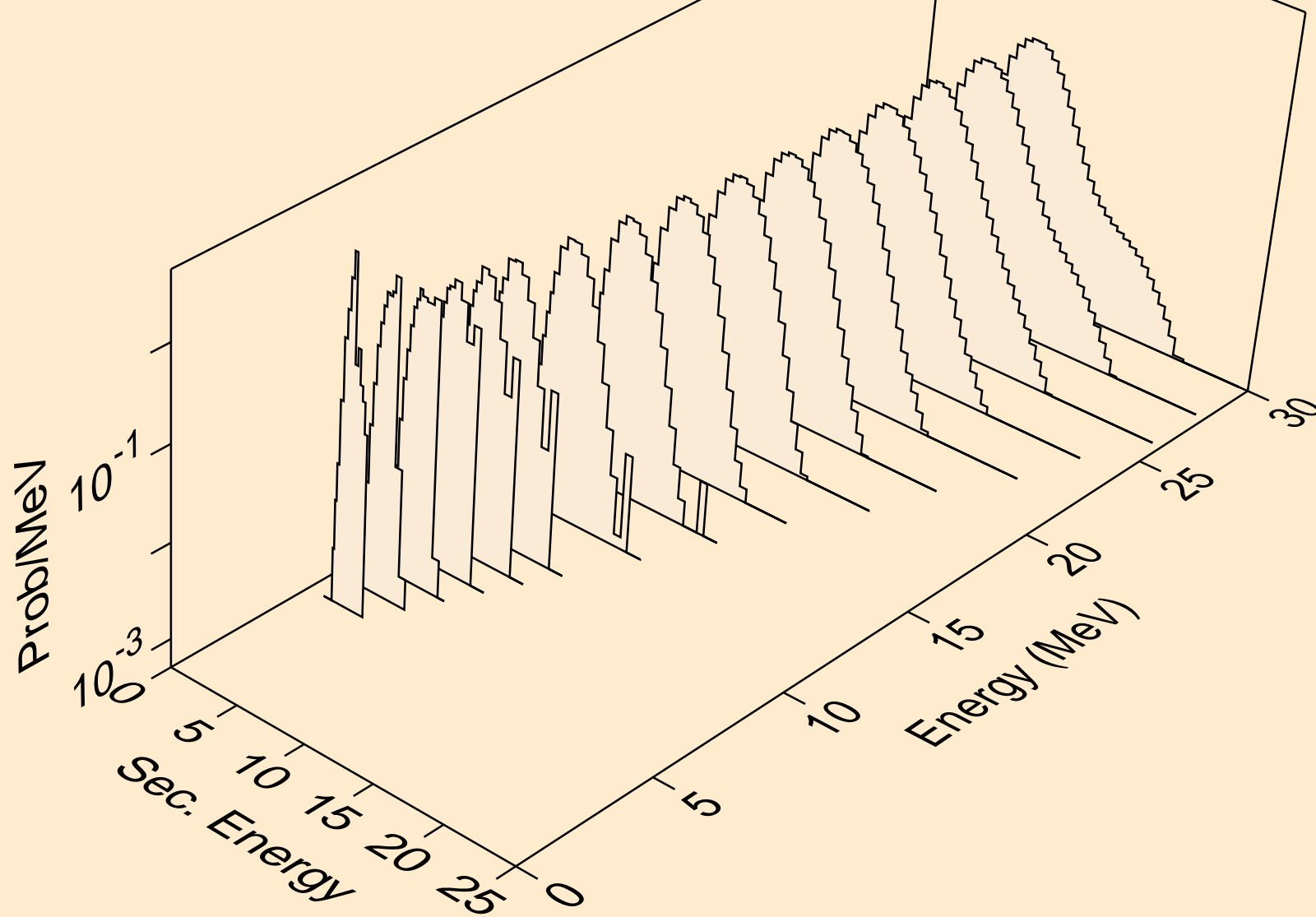


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Proton emission for (p,2p)

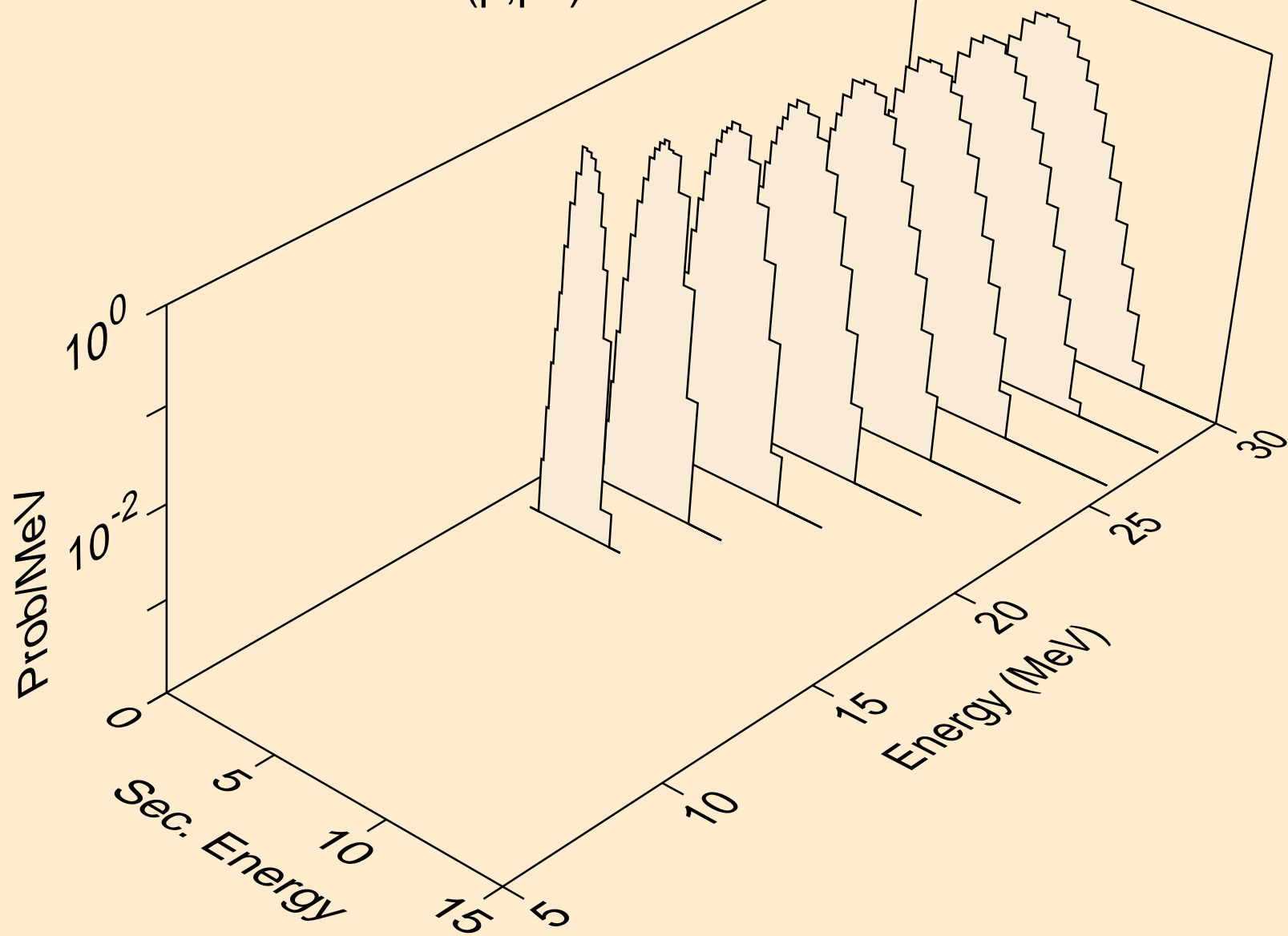




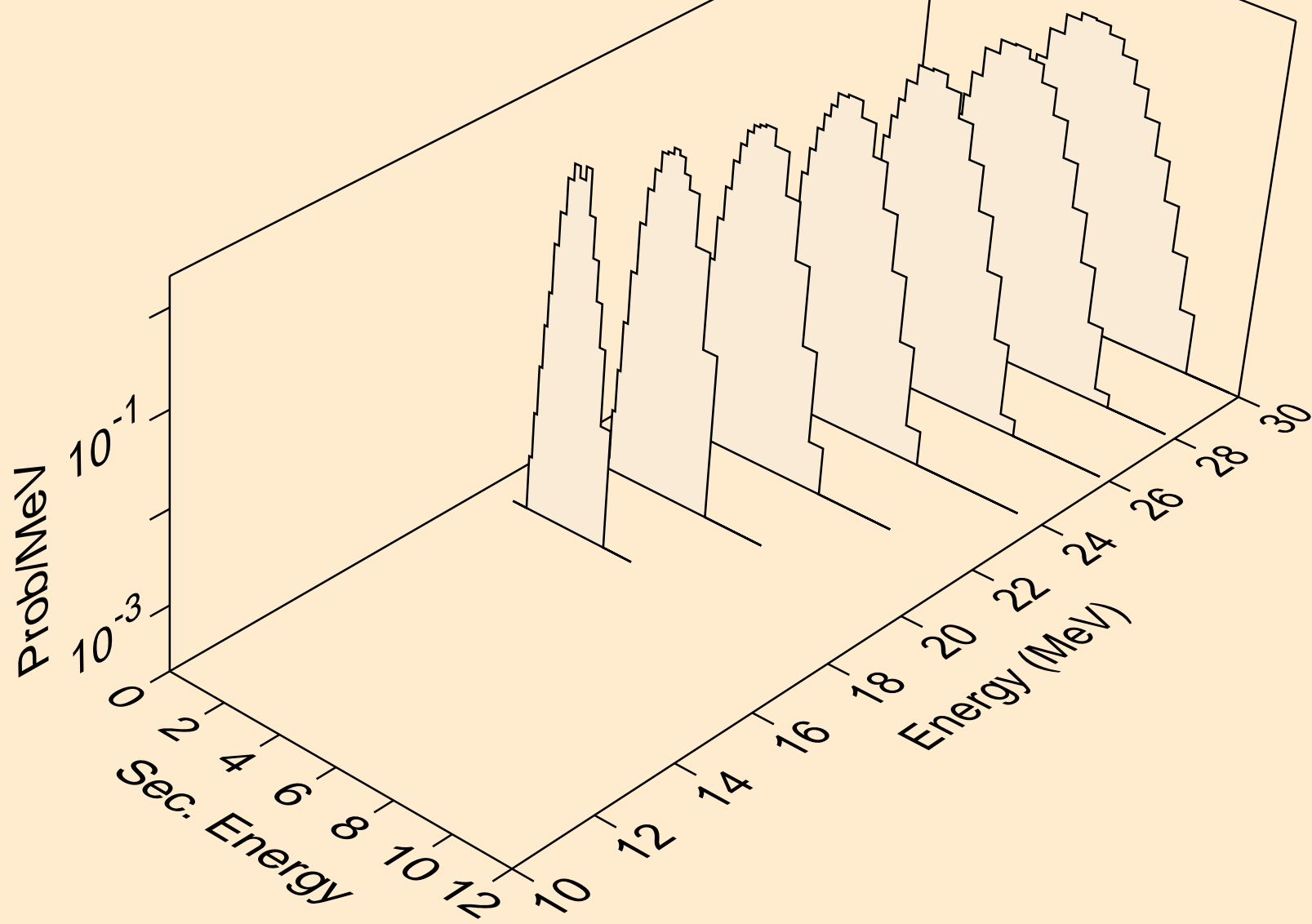
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Proton emission for (p,pa)



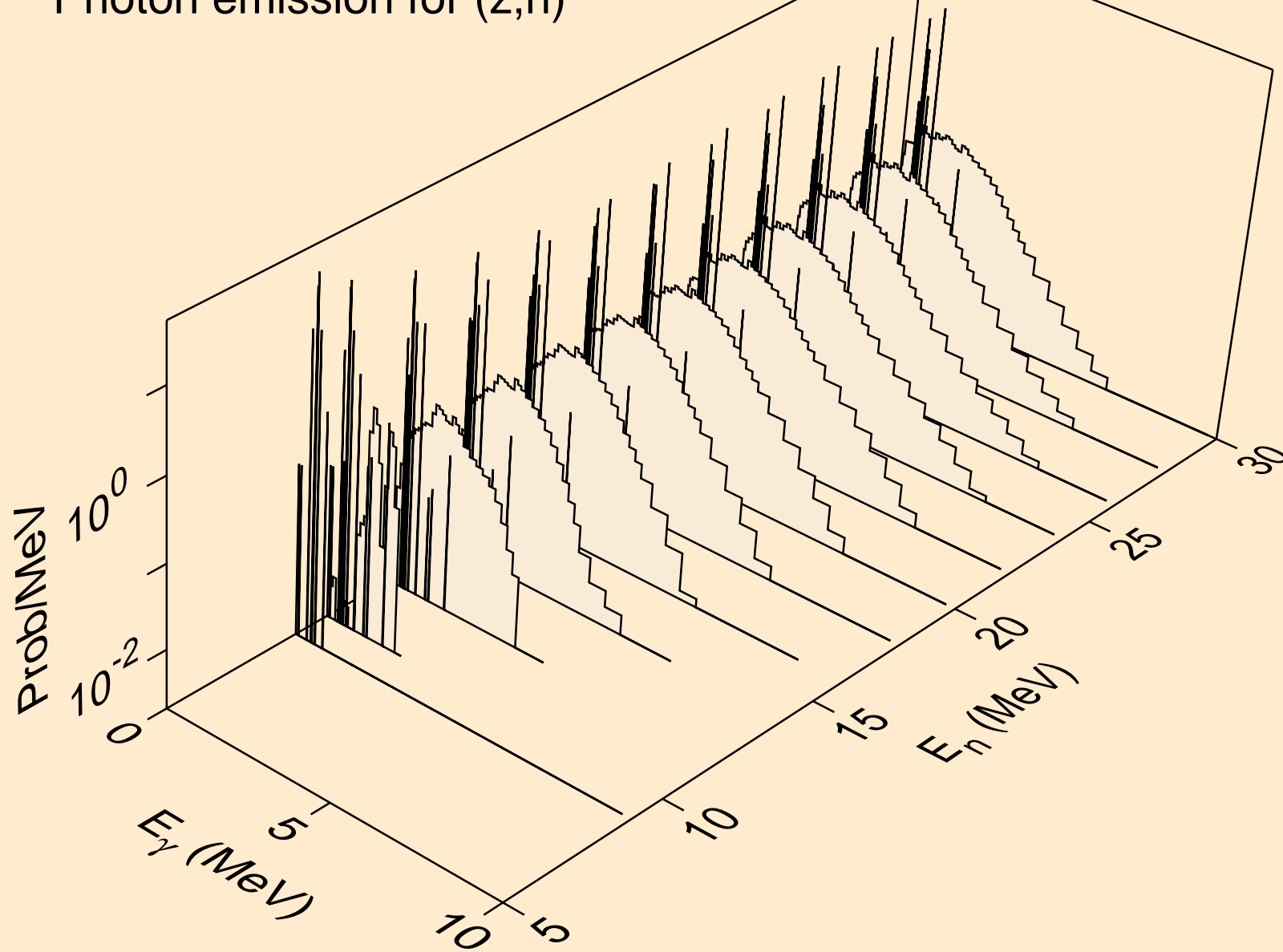
TL187M PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pd)



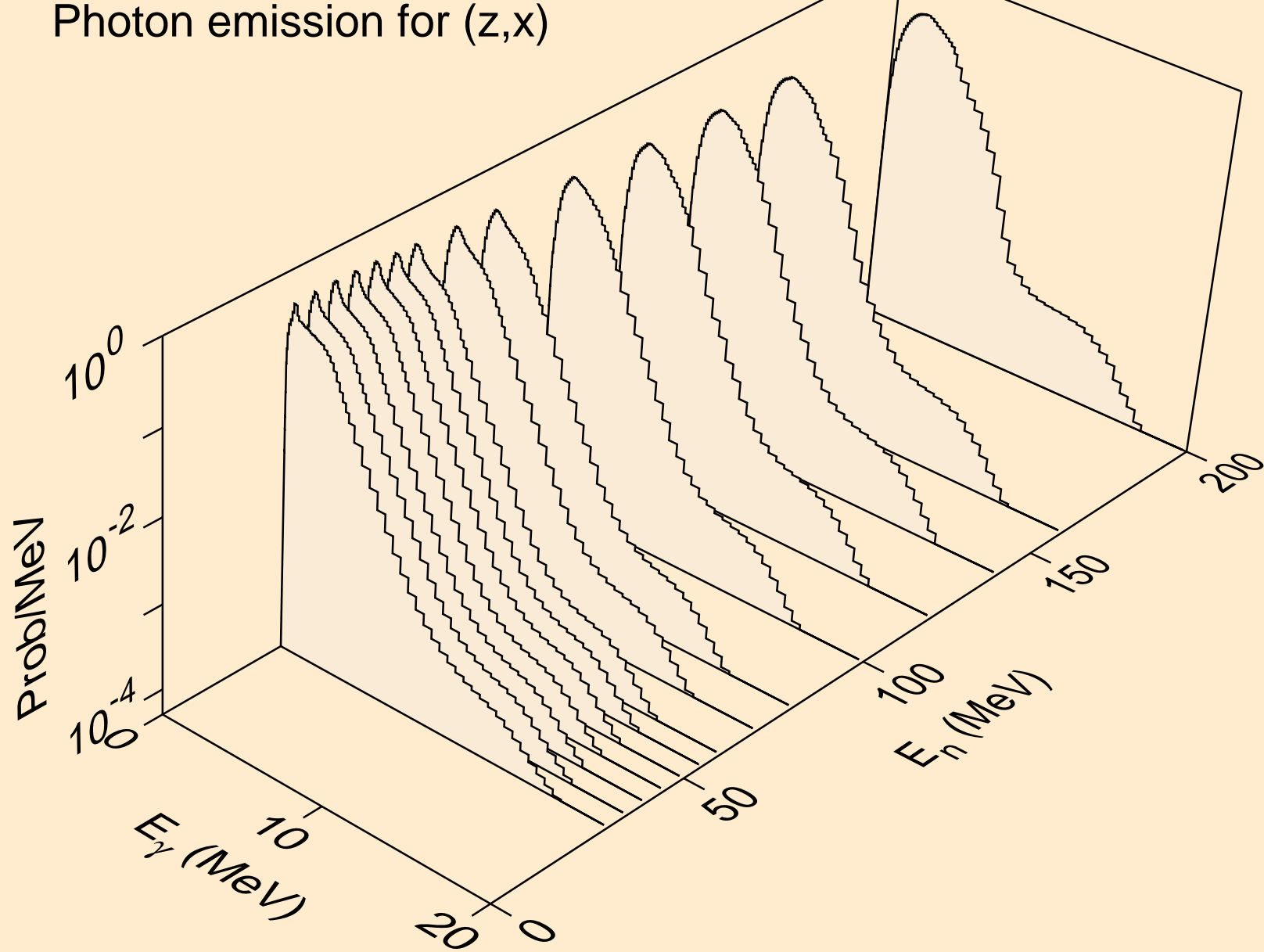
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Proton emission for (p,pt)



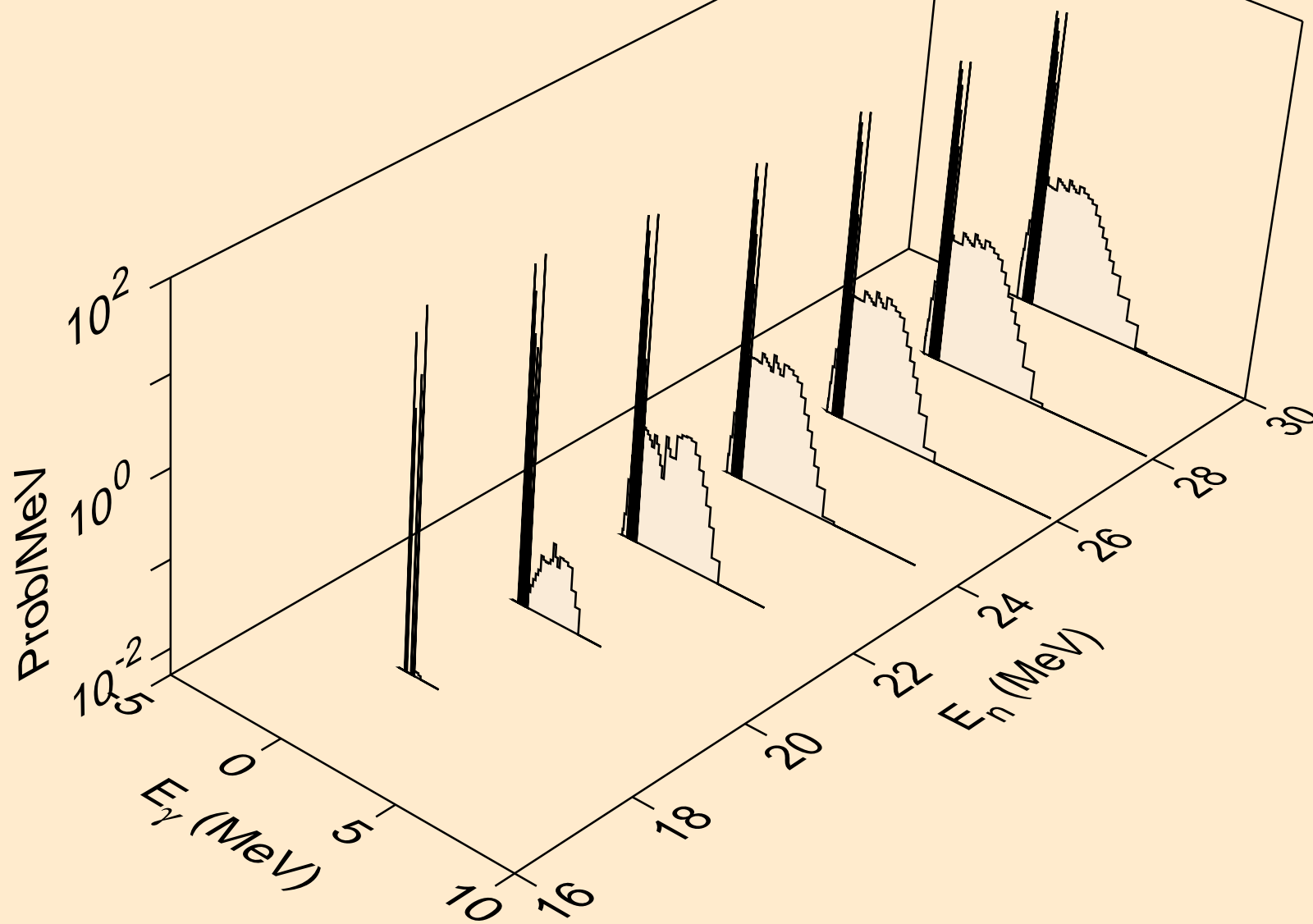
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Photon emission for (z,n)



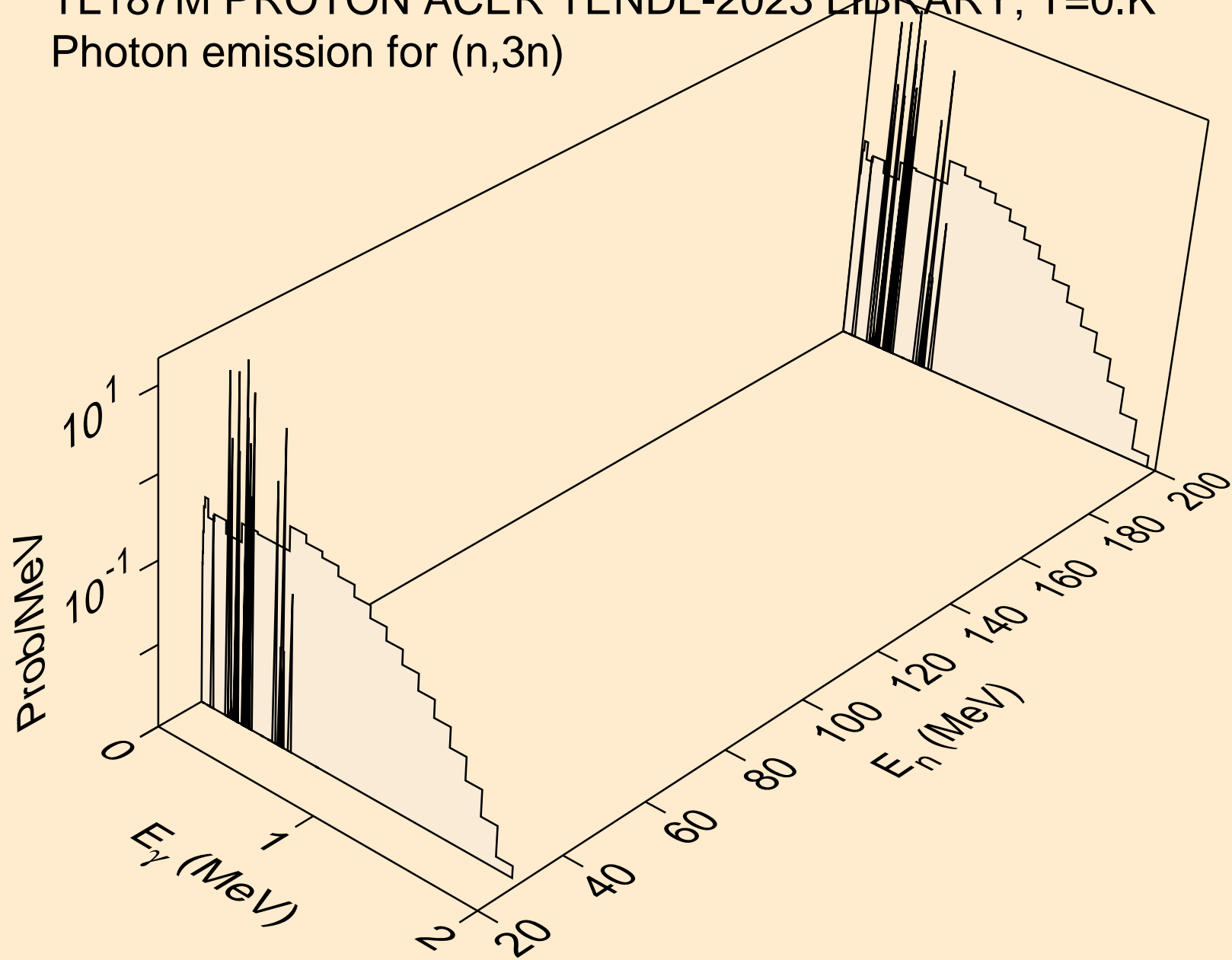
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Photon emission for (z,x)



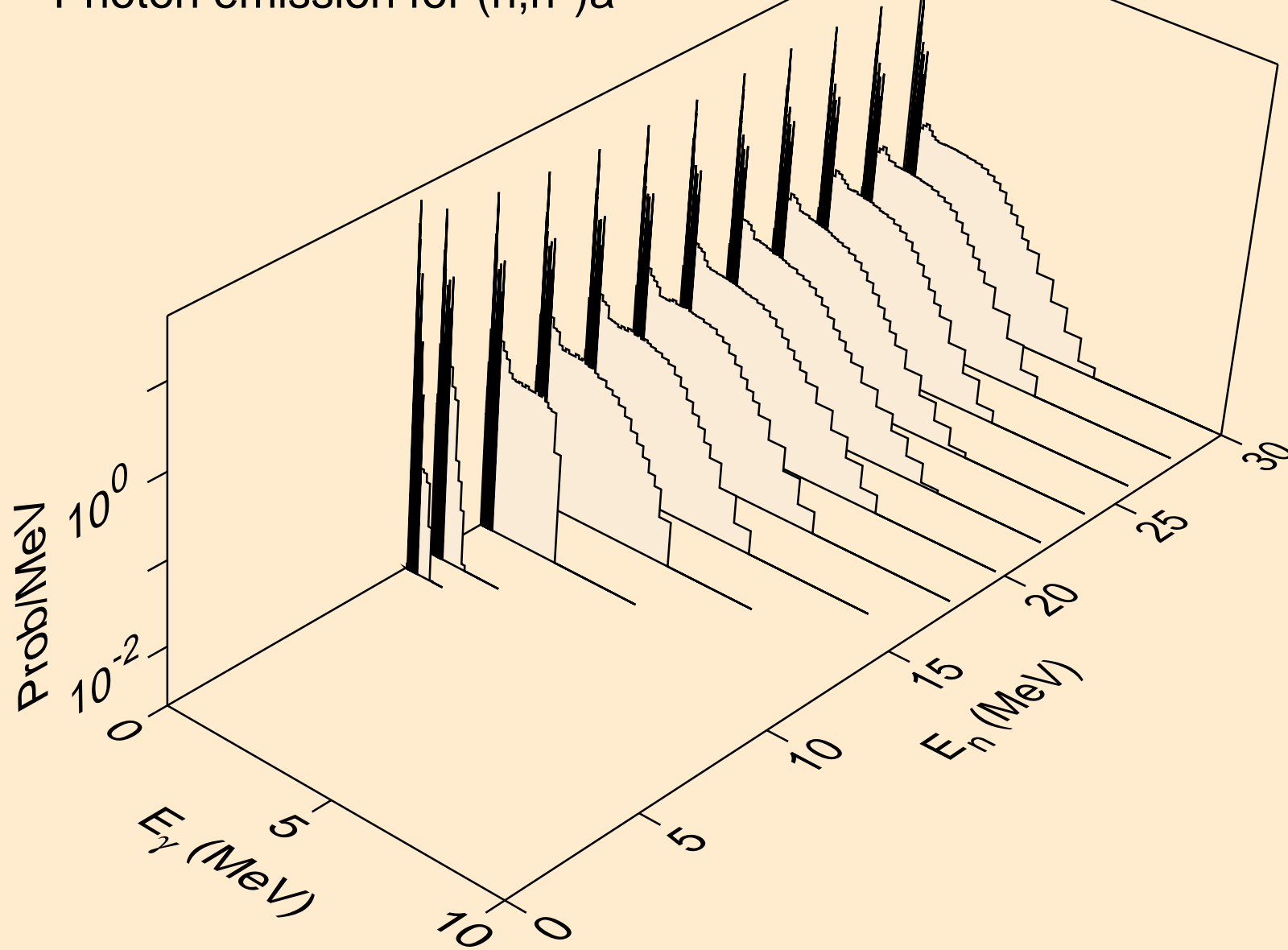
TL187M PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



TL187M PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)

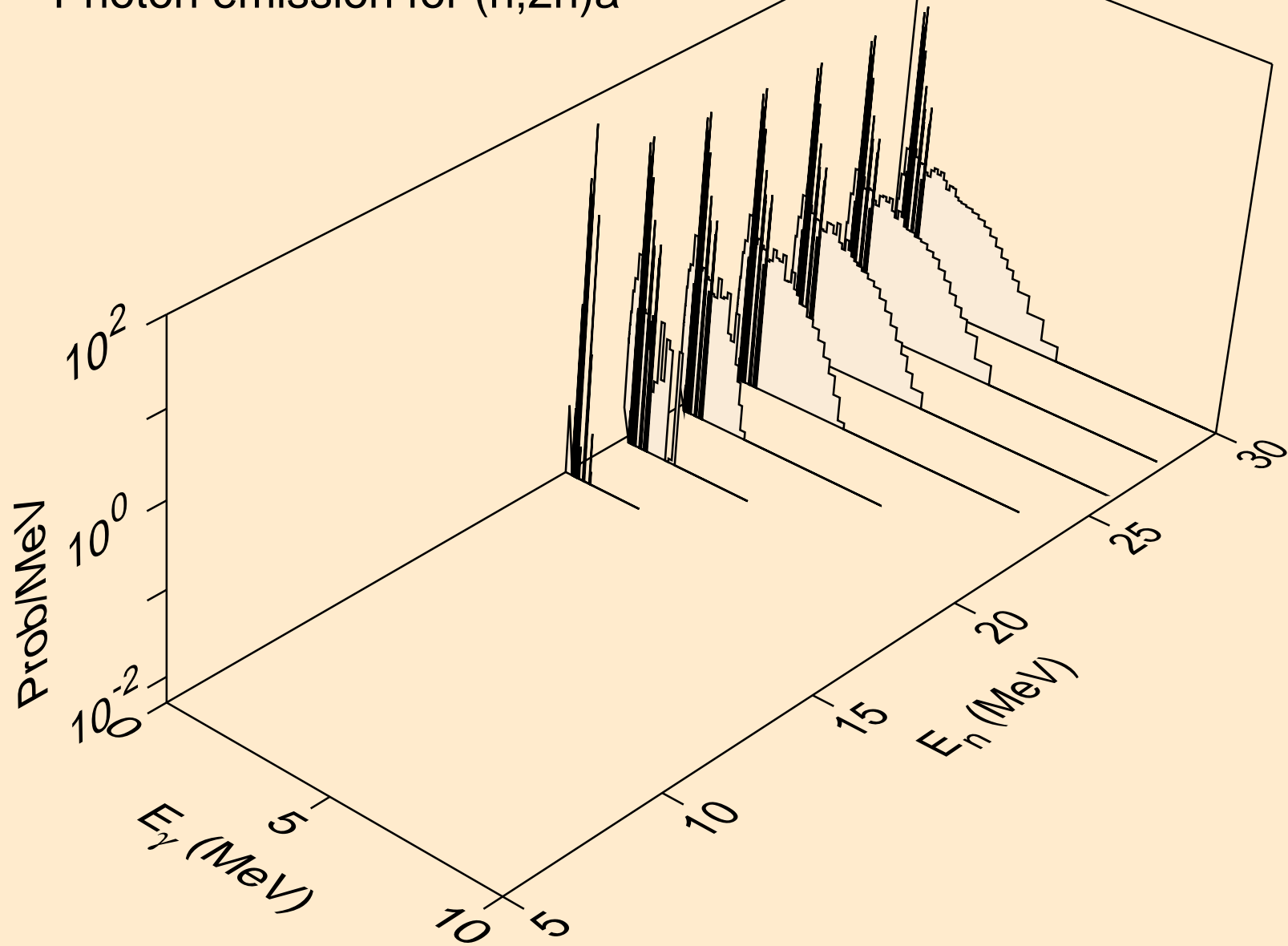


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Photon emission for (n,n\*)a

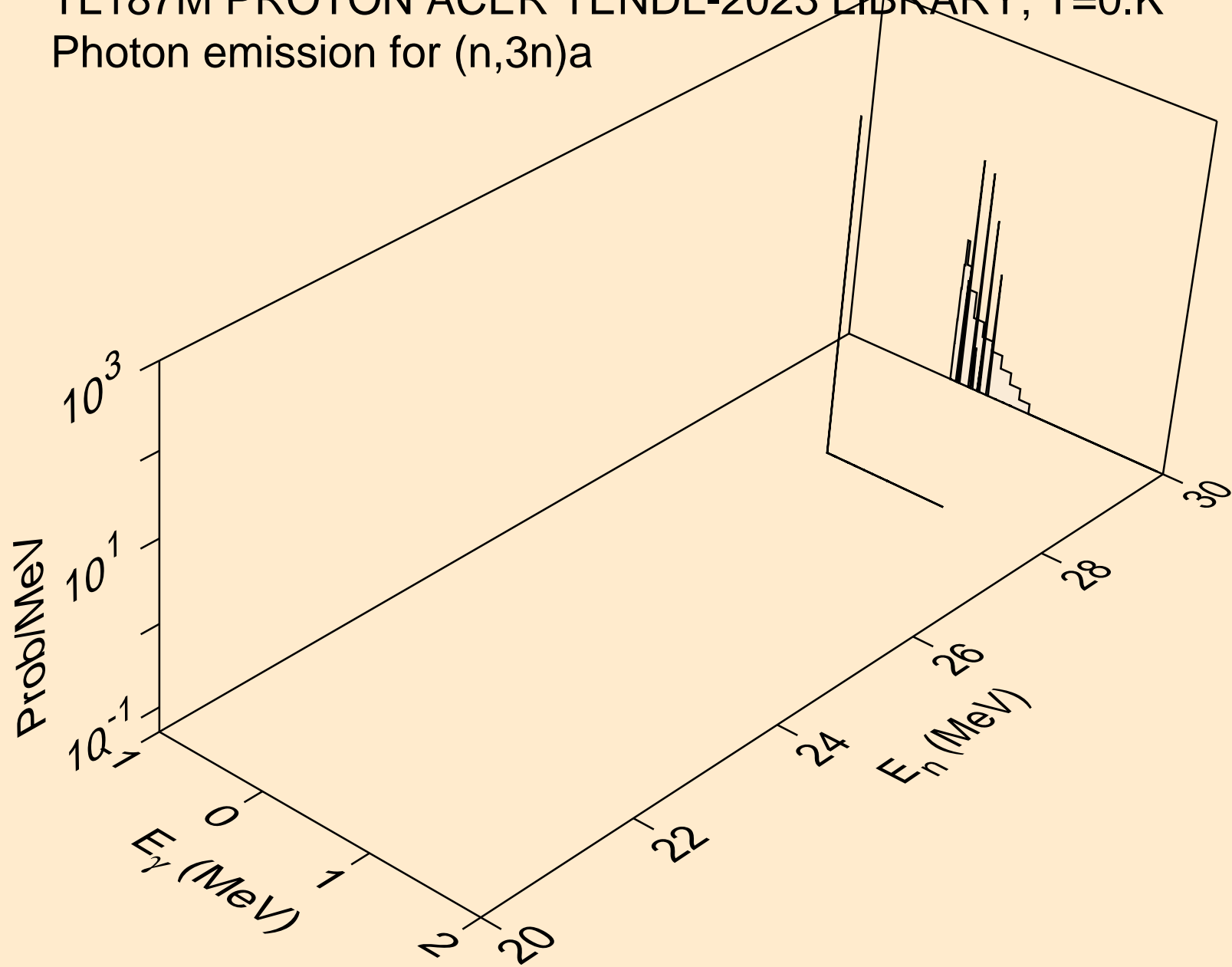




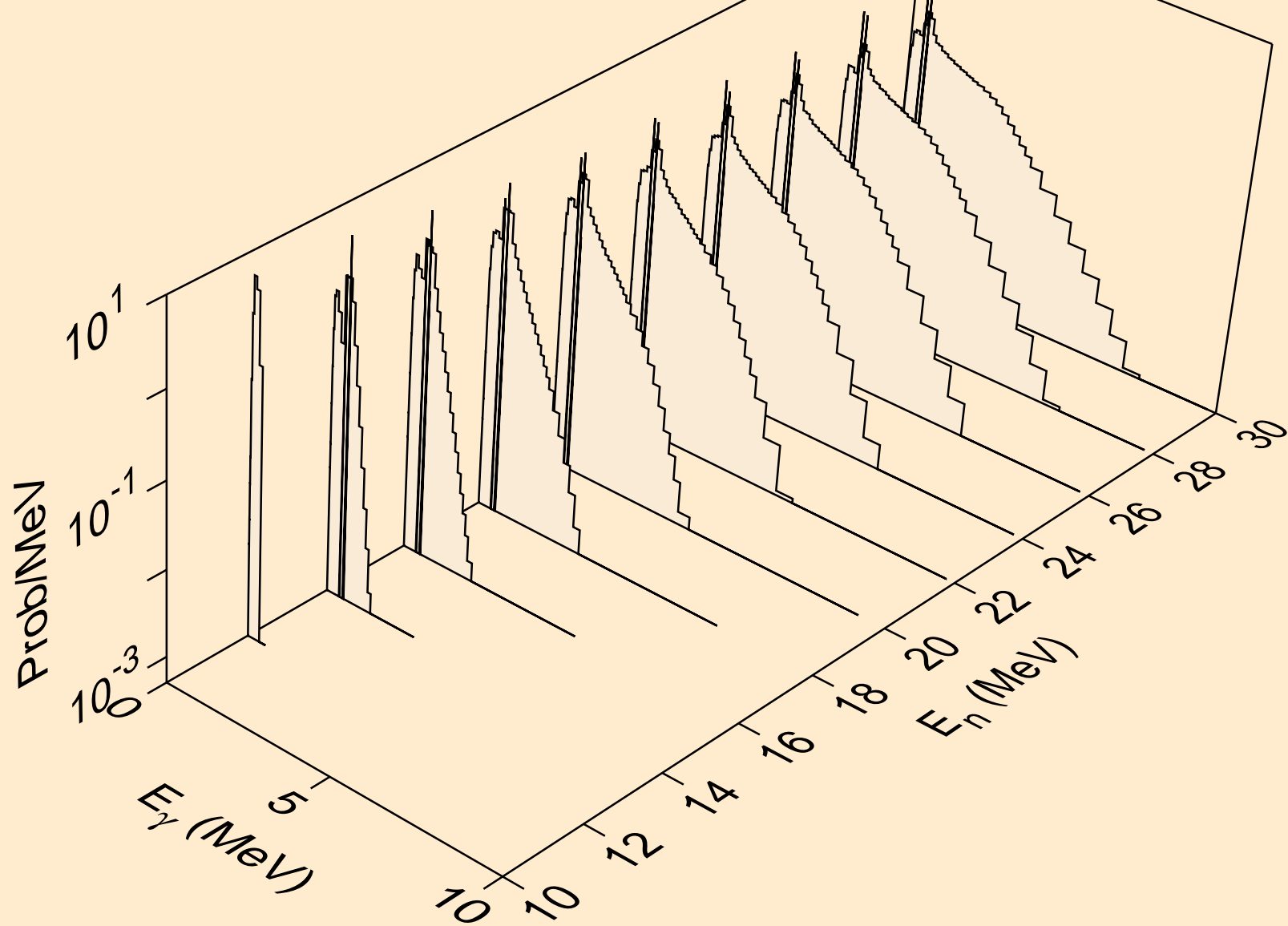
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Photon emission for (n,2n)a



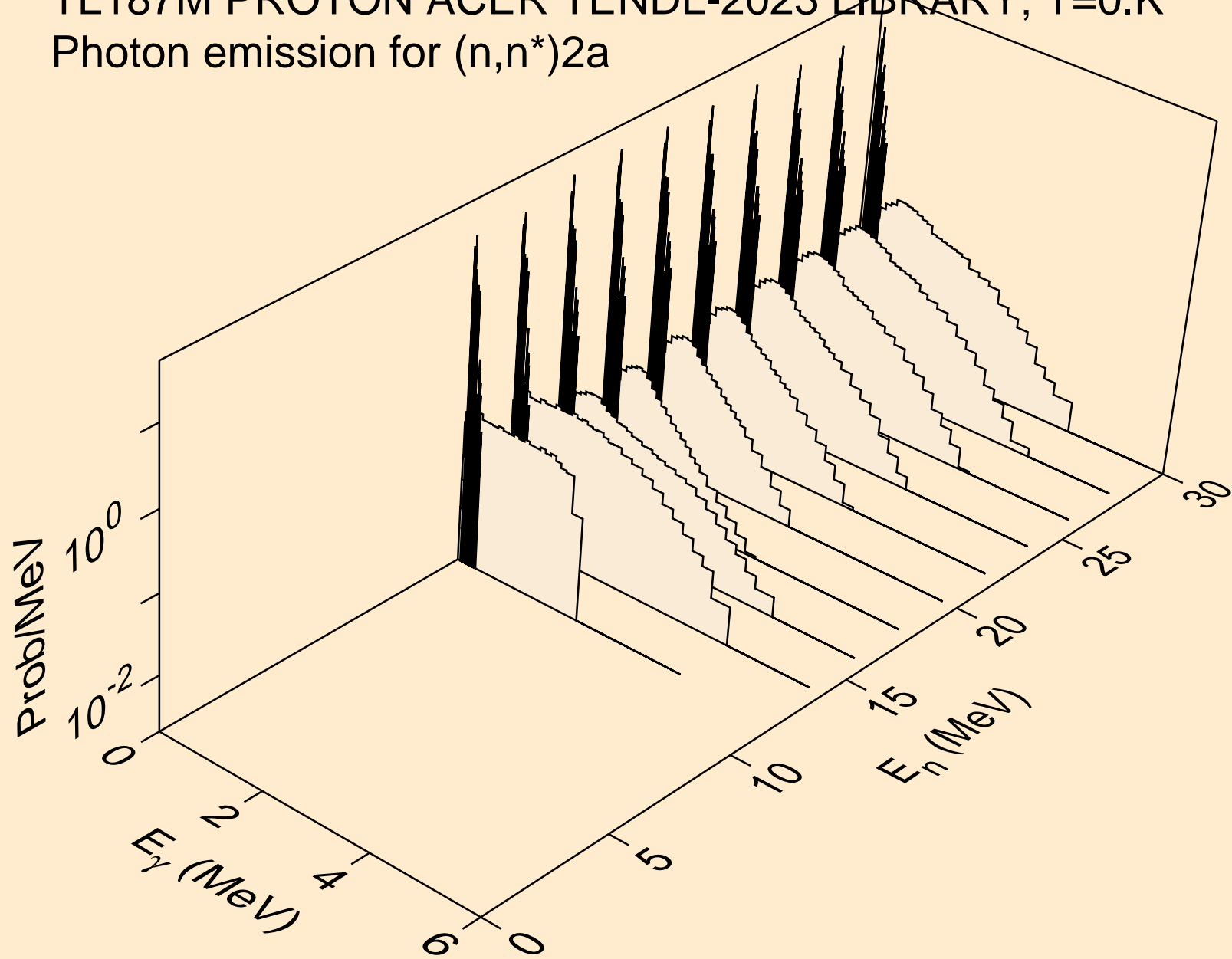
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Photon emission for (n,3n)a



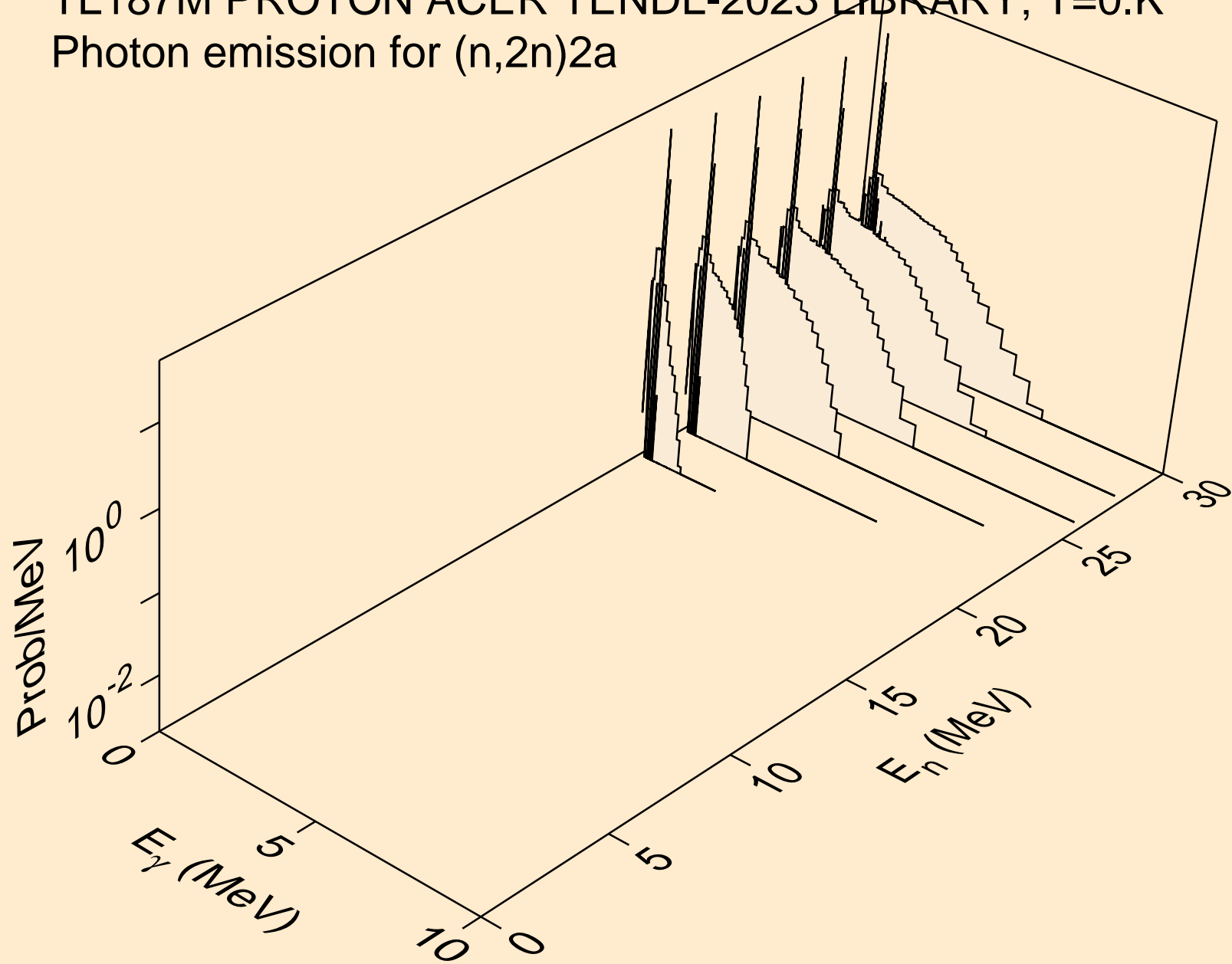
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Photon emission for (n,n\*)p



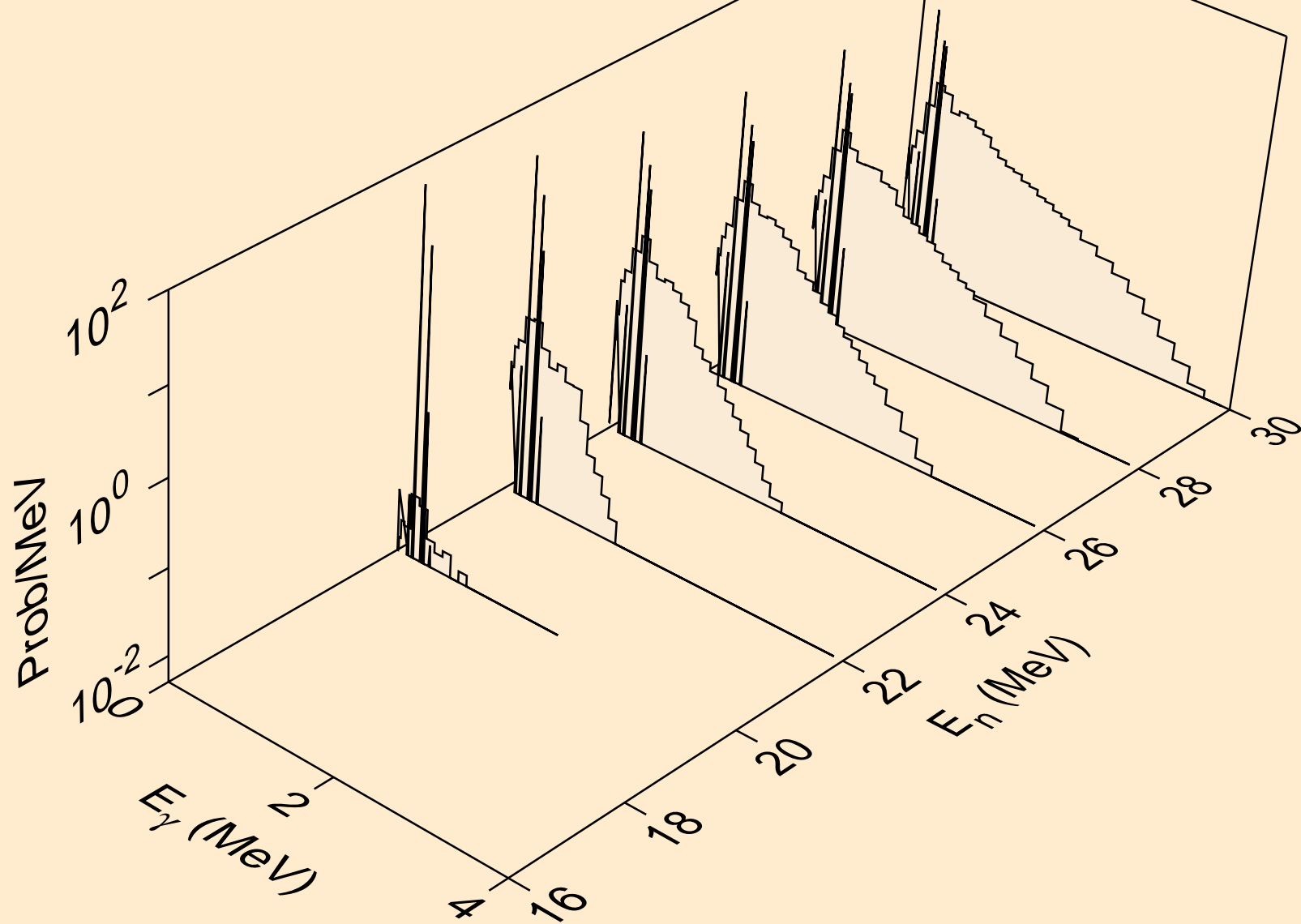
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Photon emission for (n,n\*)2a



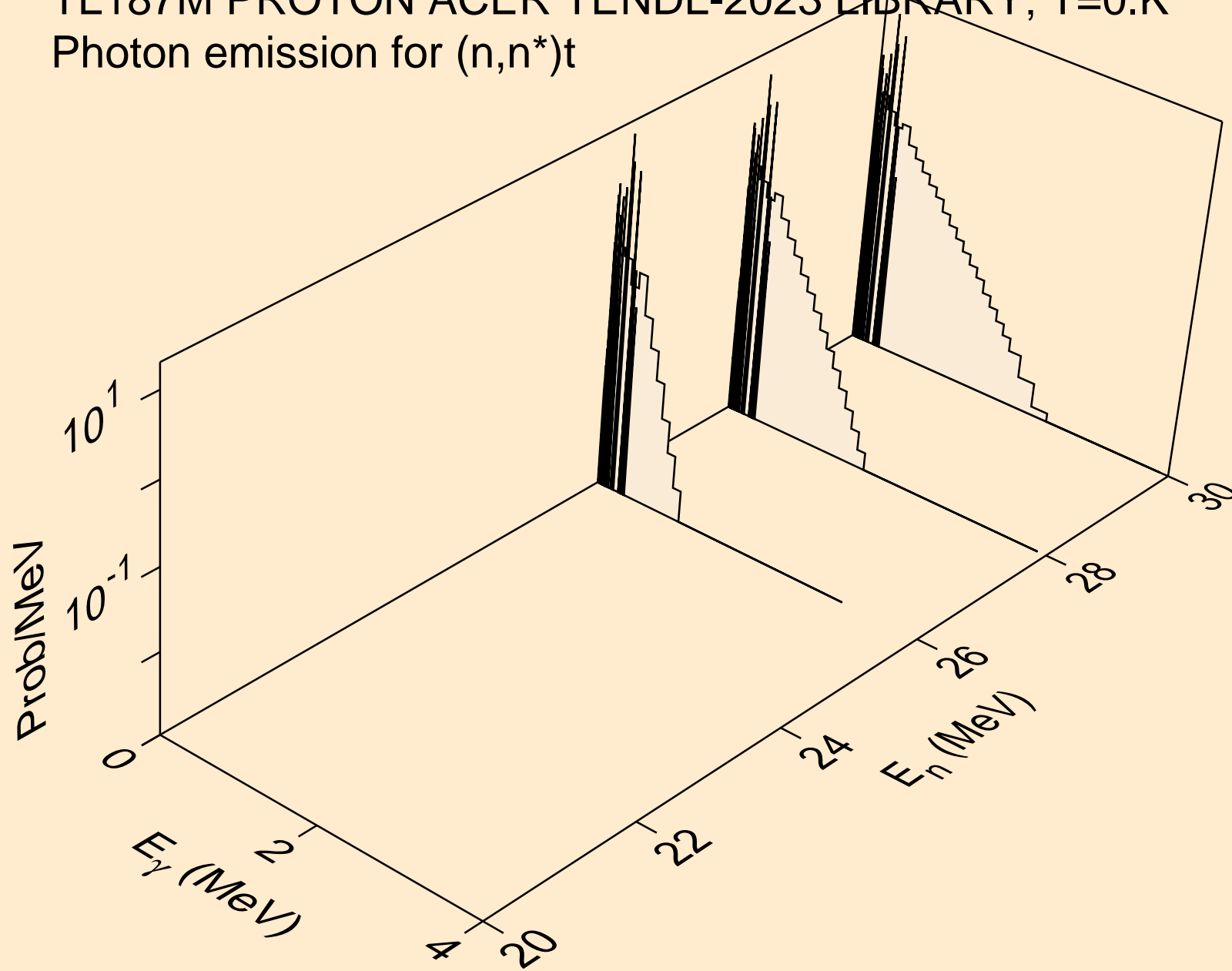
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Photon emission for (n,2n)2a



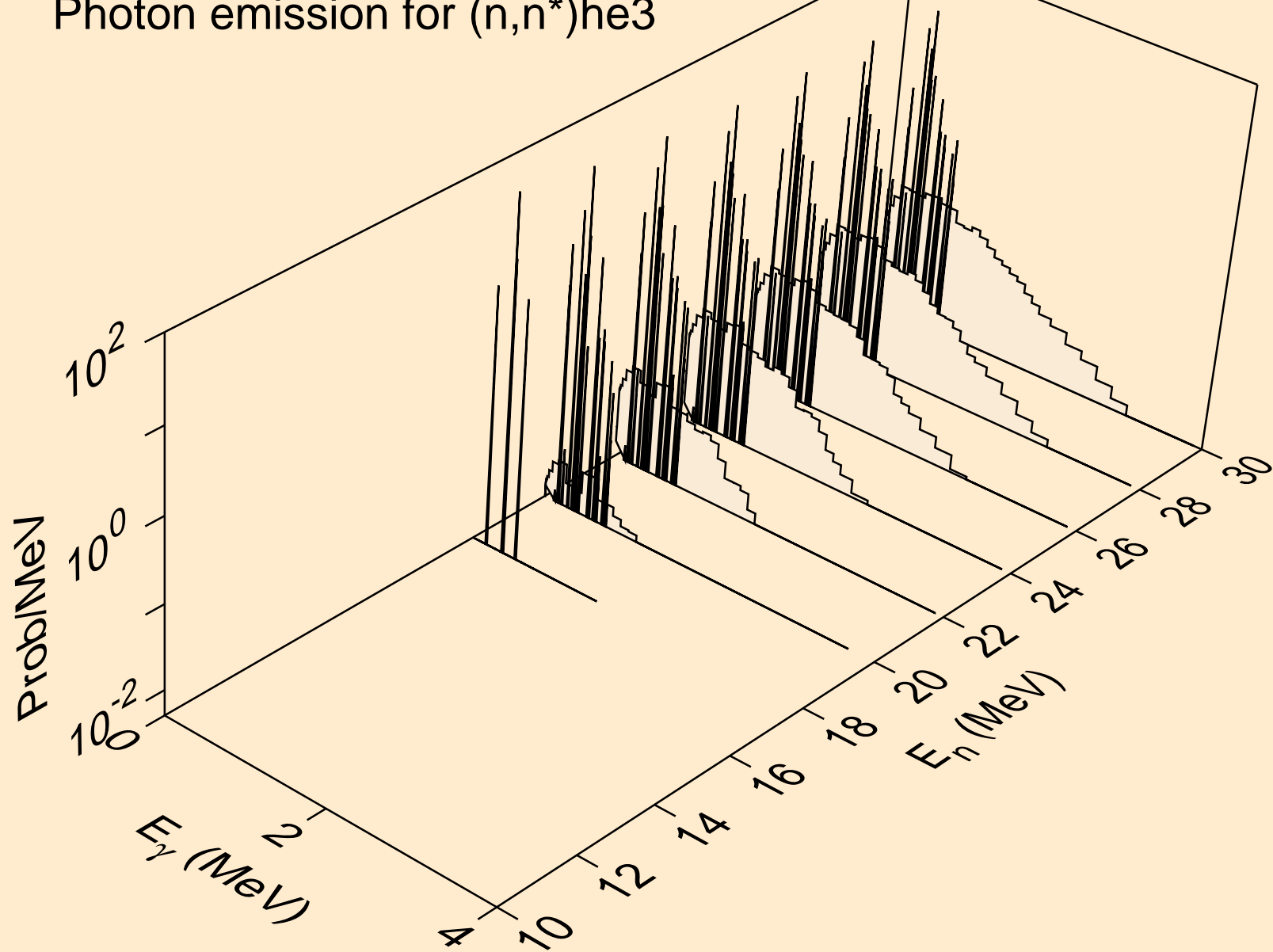
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Photon emission for (n,n\*)d



TL187M PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

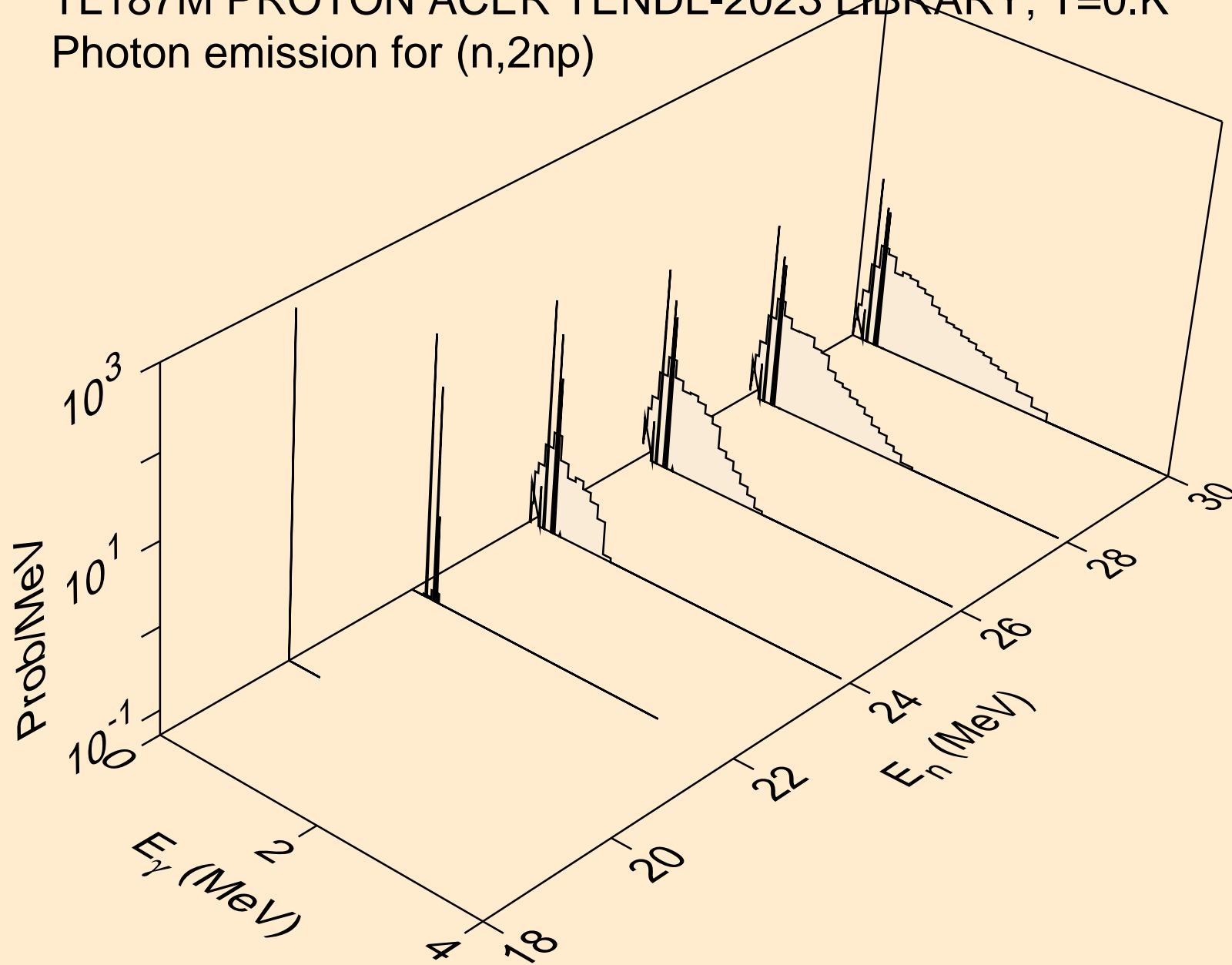


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Photon emission for (n,n\*)he3

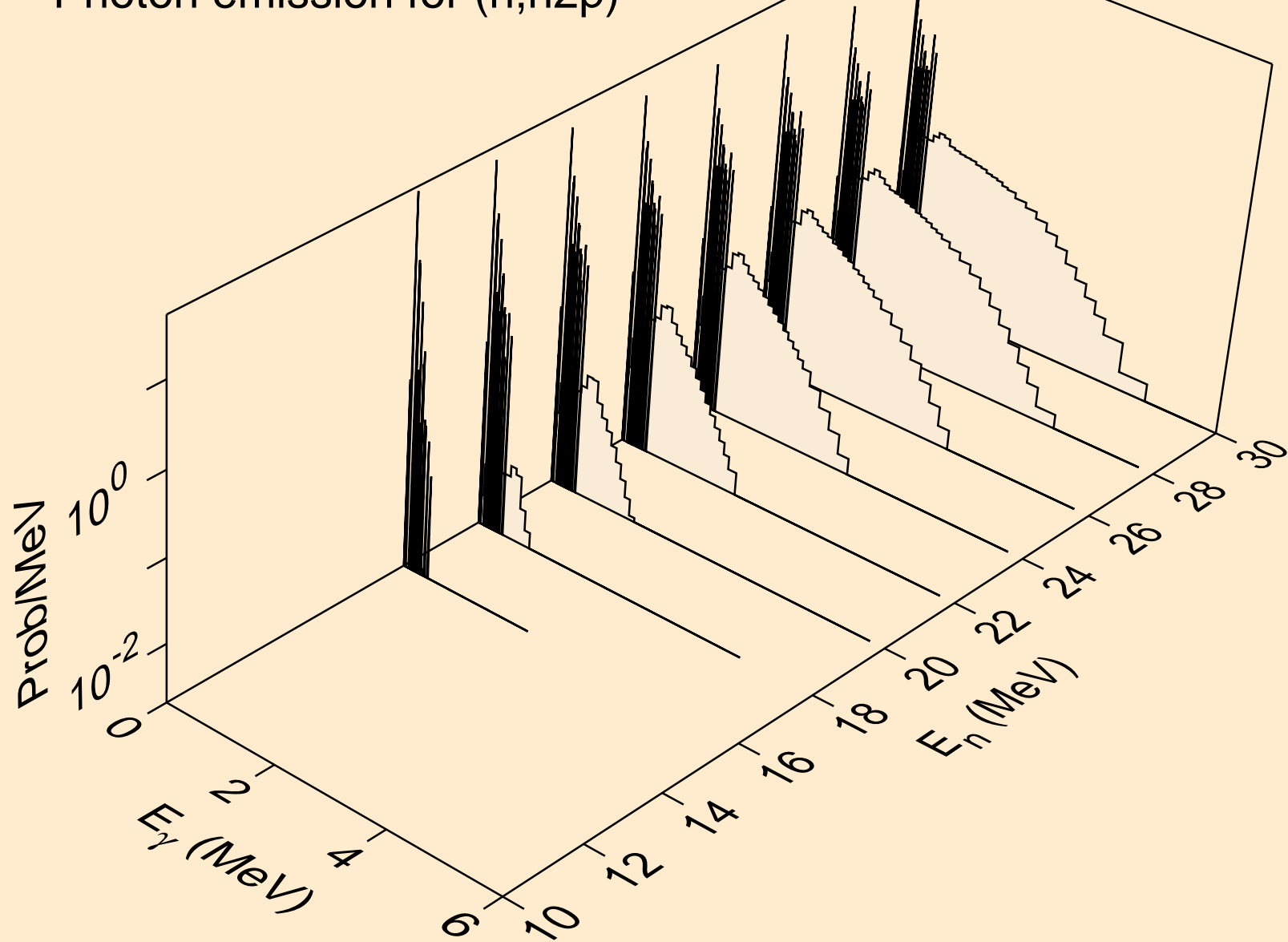




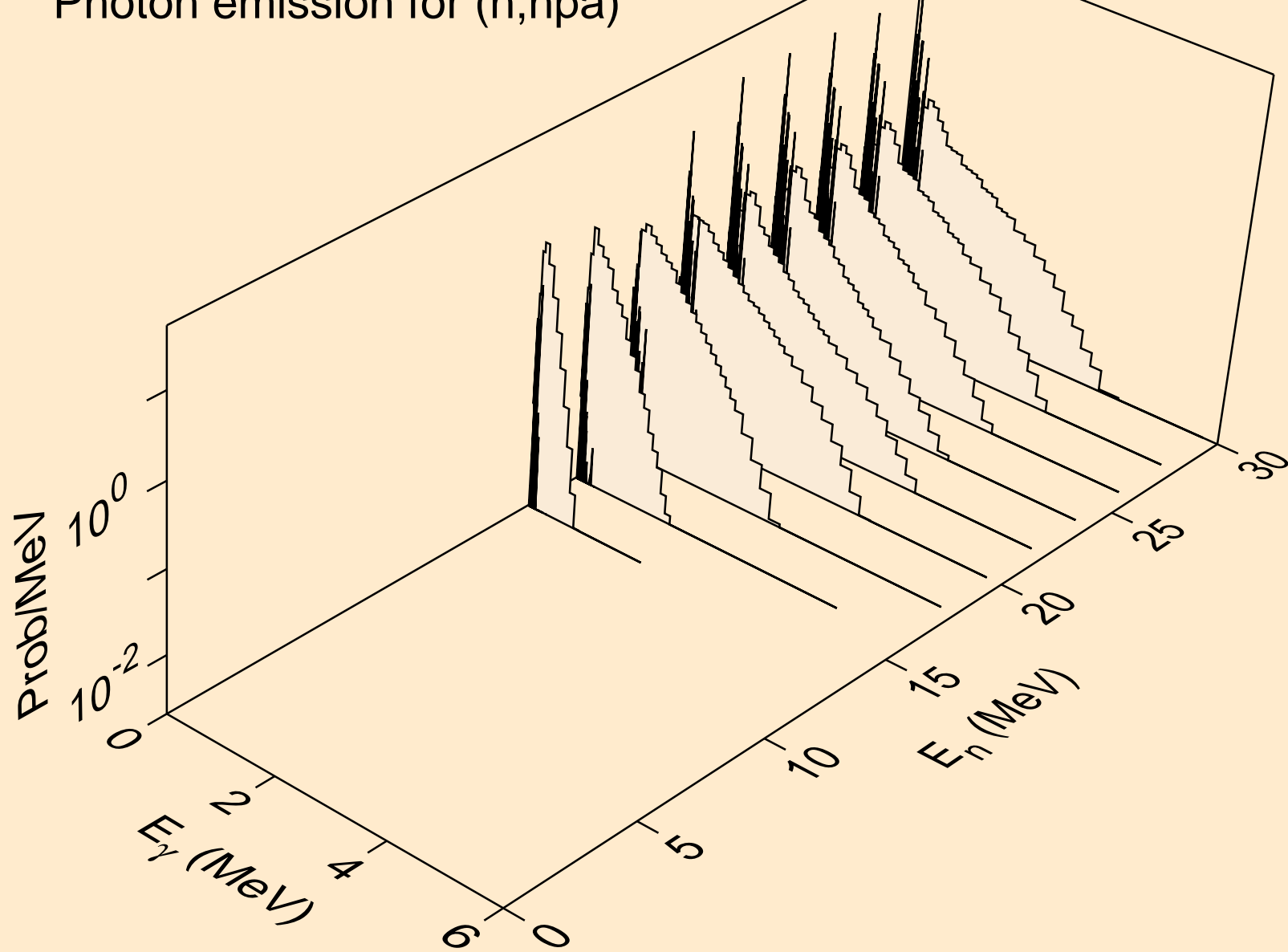
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Photon emission for (n,2np)



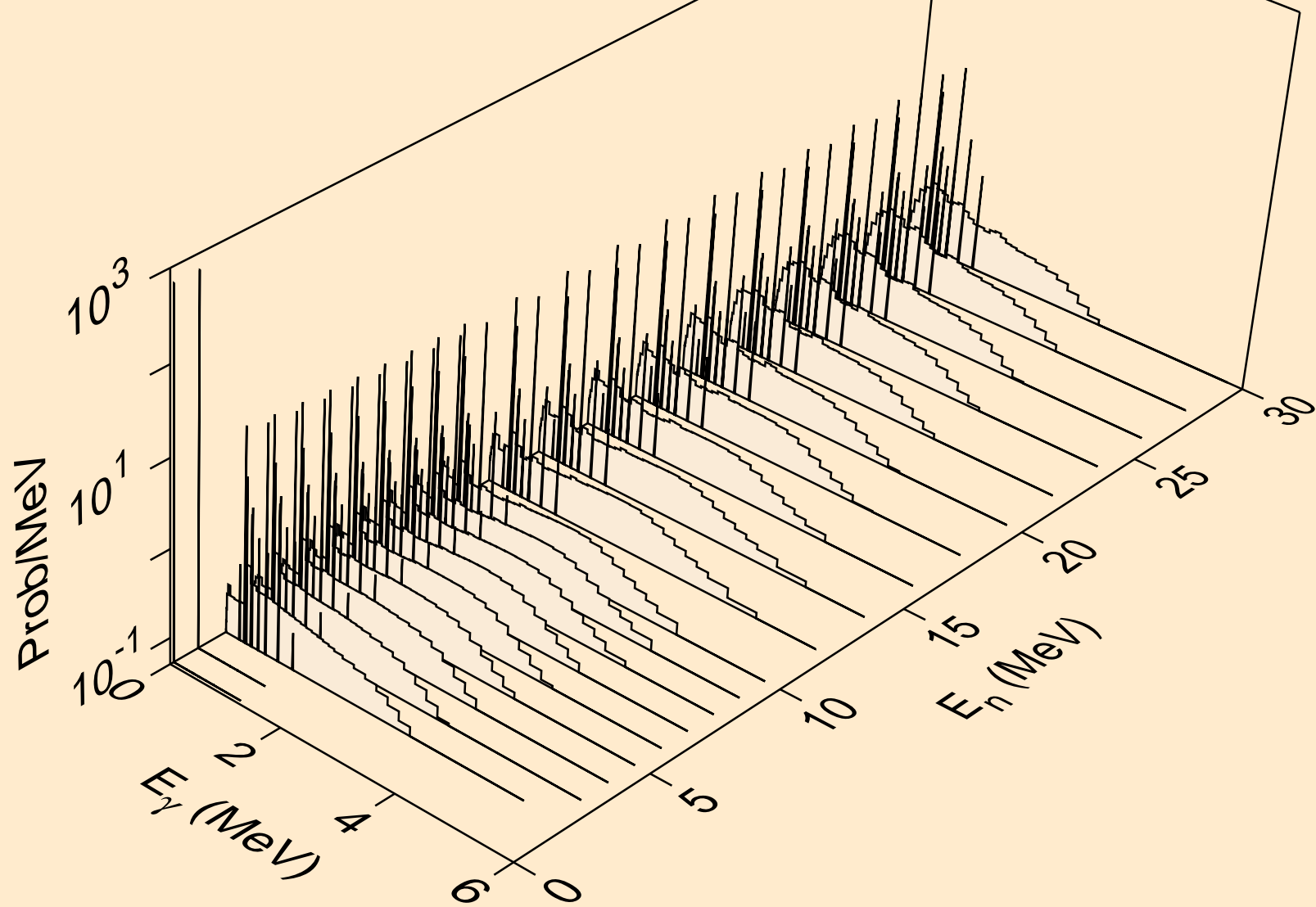
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Photon emission for (n,n2p)



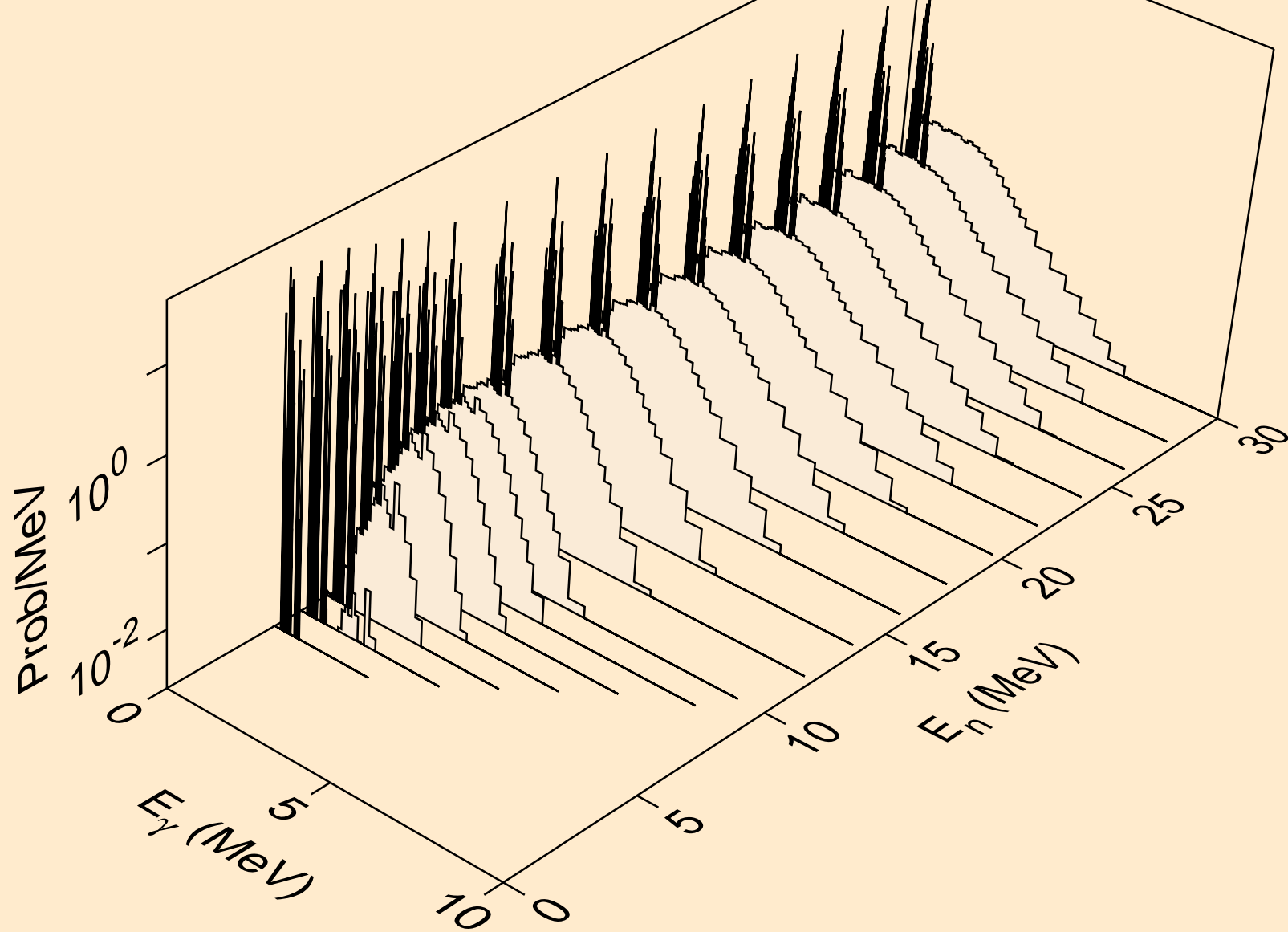
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Photon emission for (n,npa)



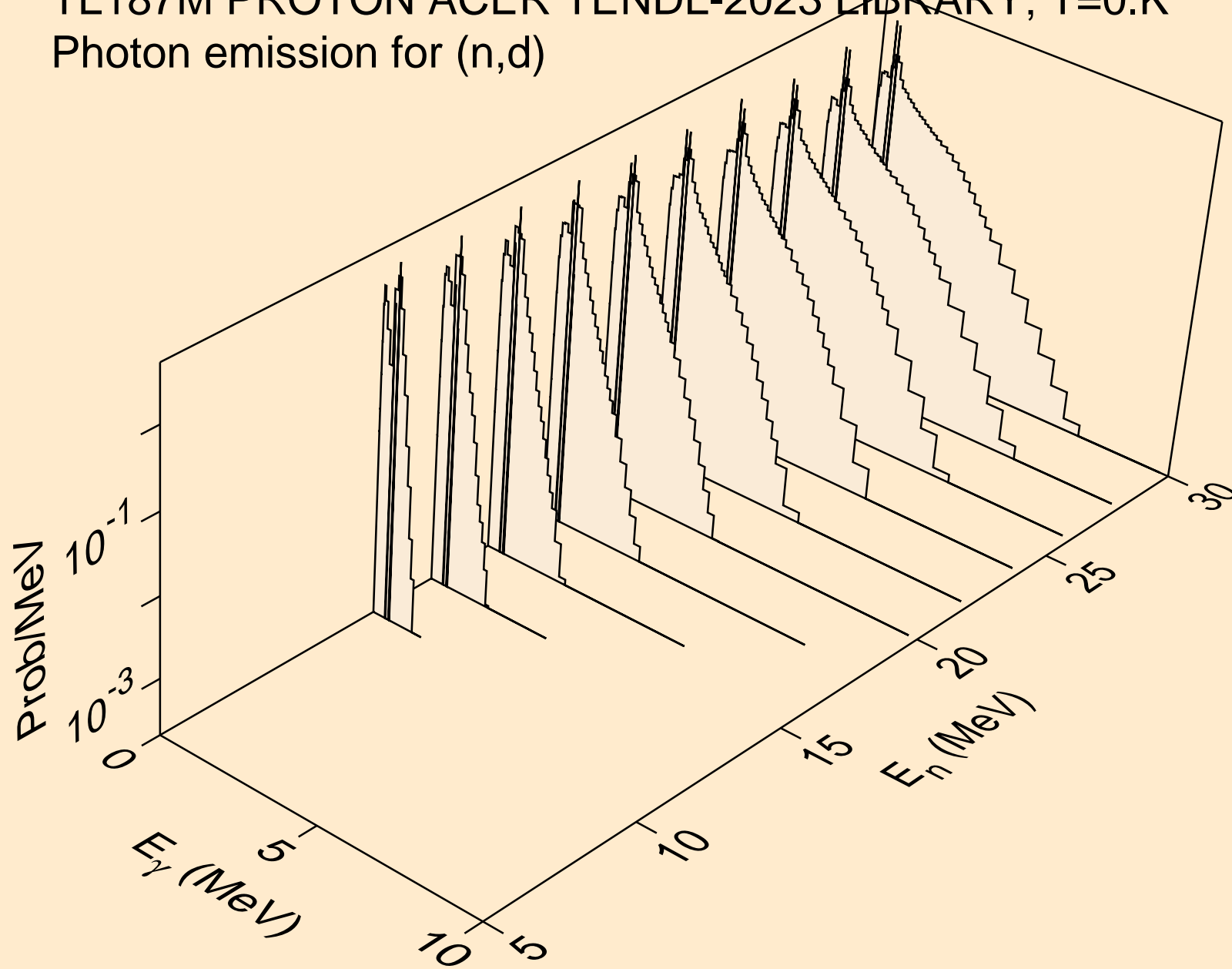
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Photon emission for (n,gma)



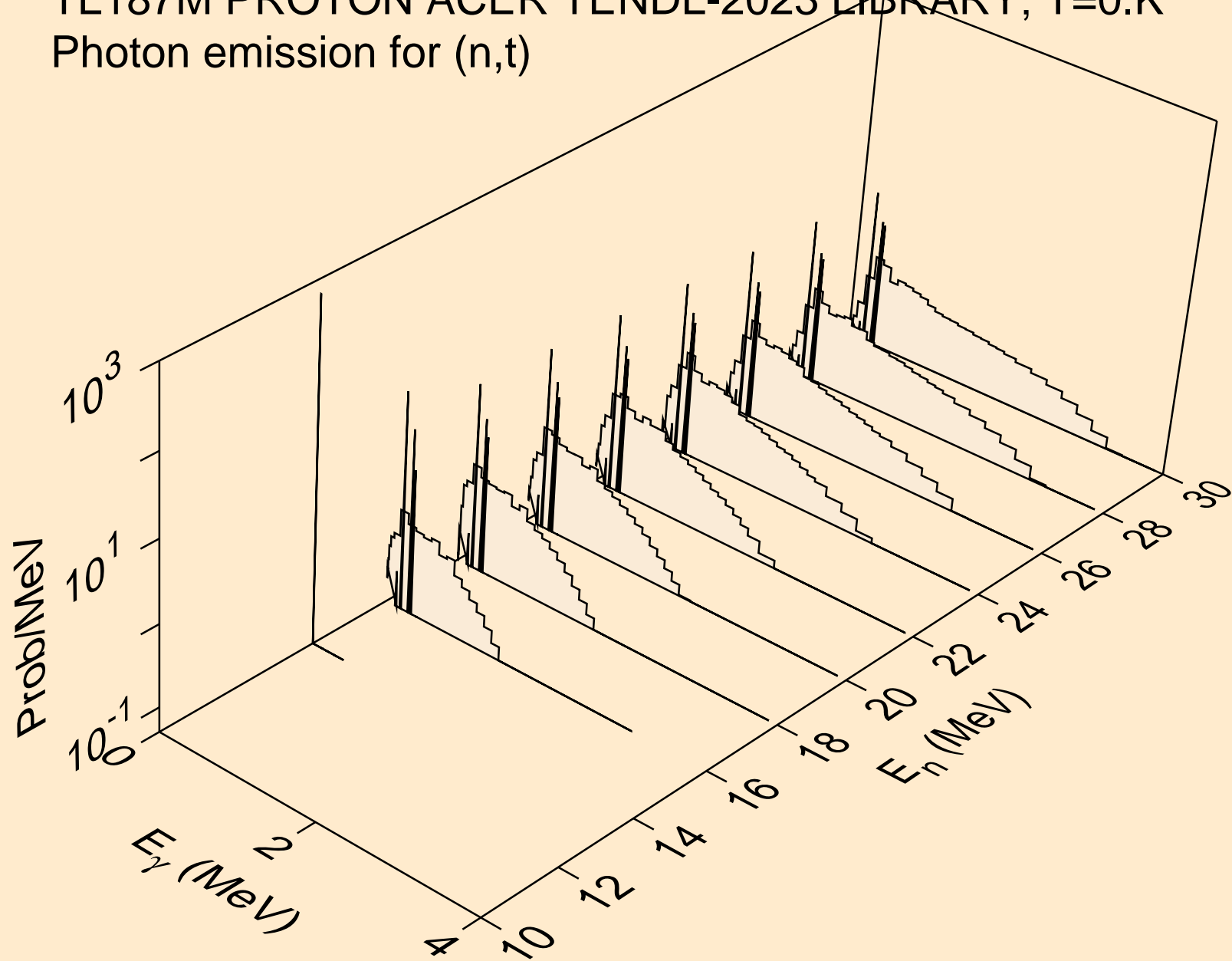
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Photon emission for inelastic



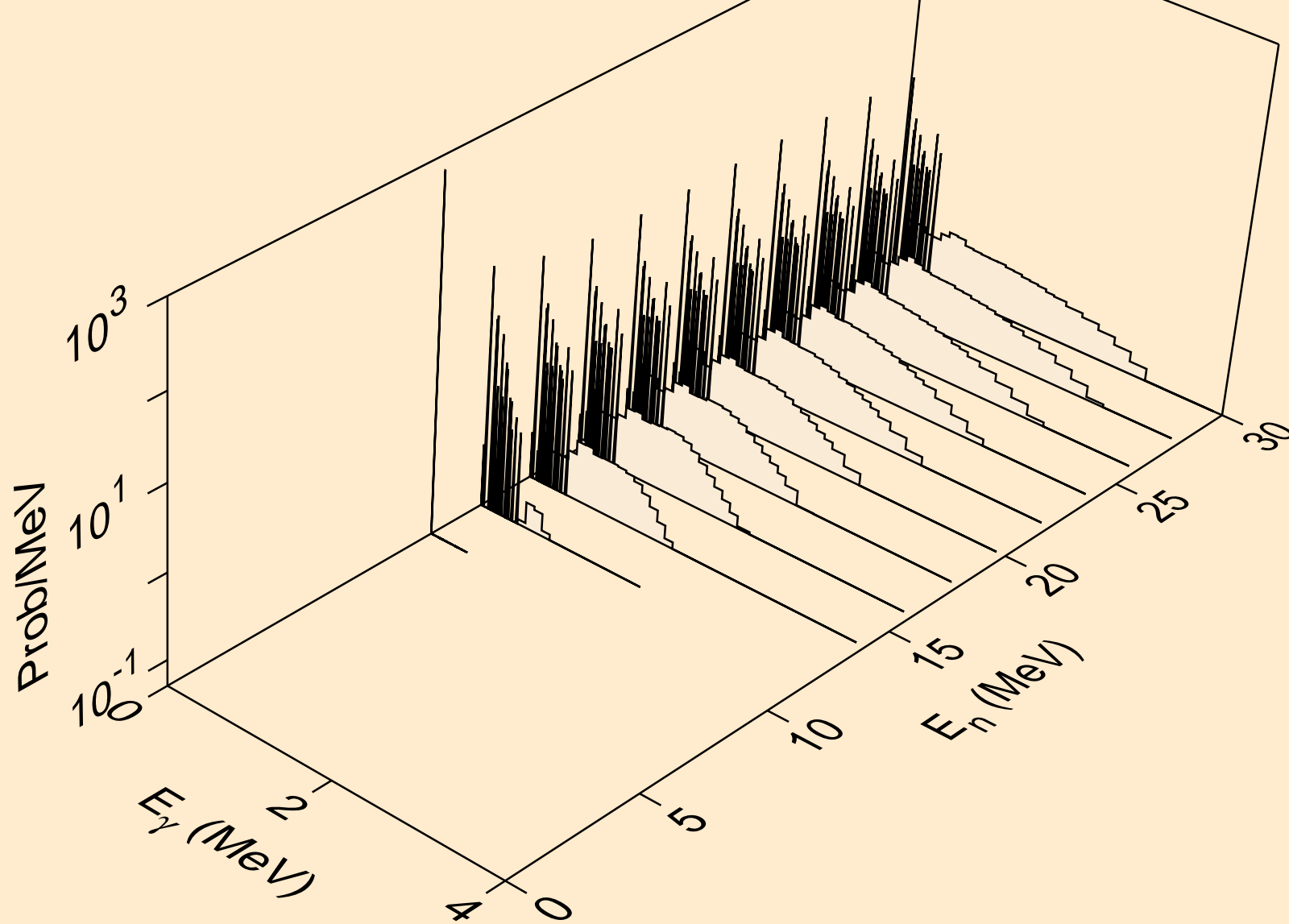
TL187M PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



TL187M PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

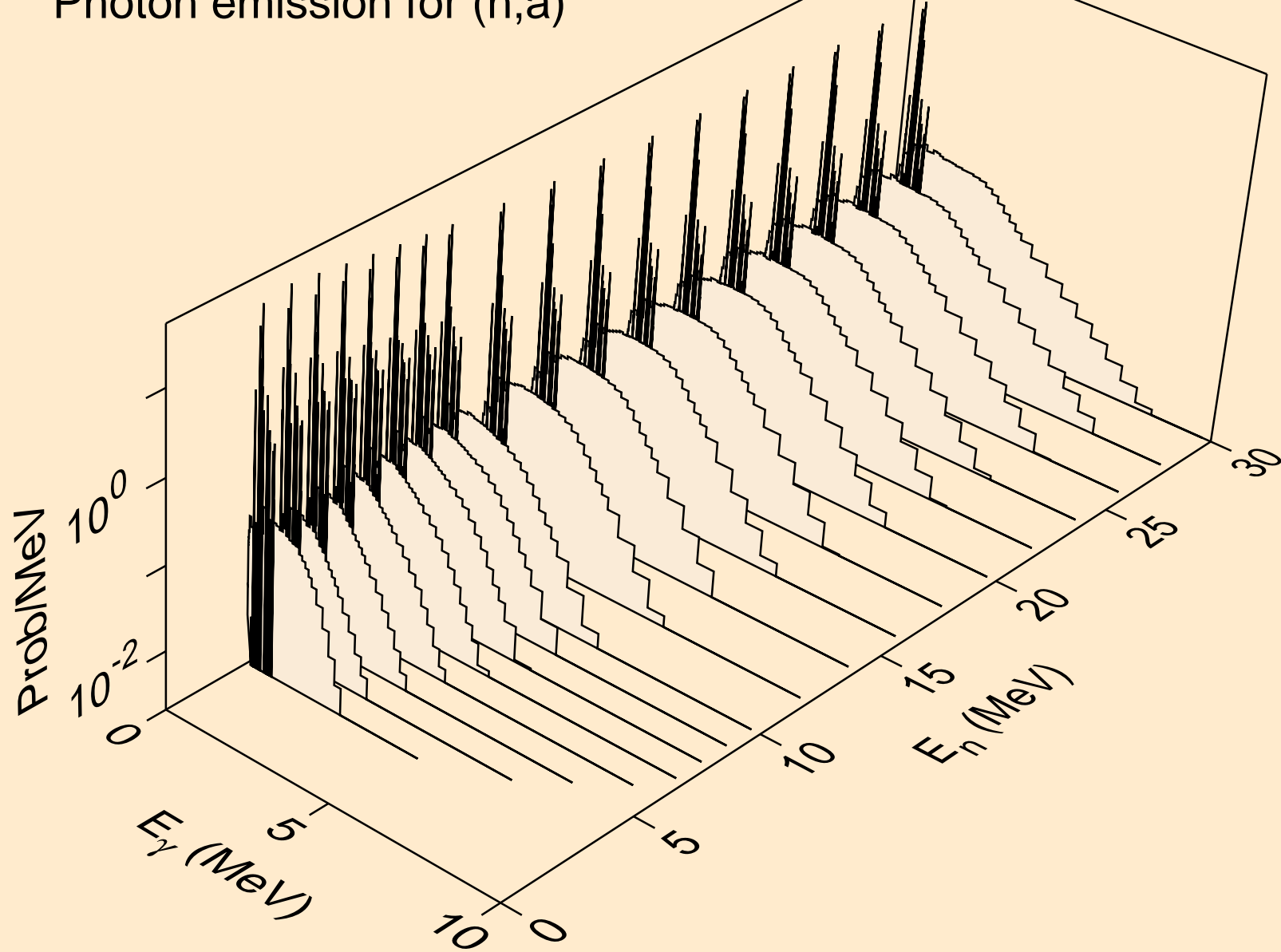


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Photon emission for (n,he3)

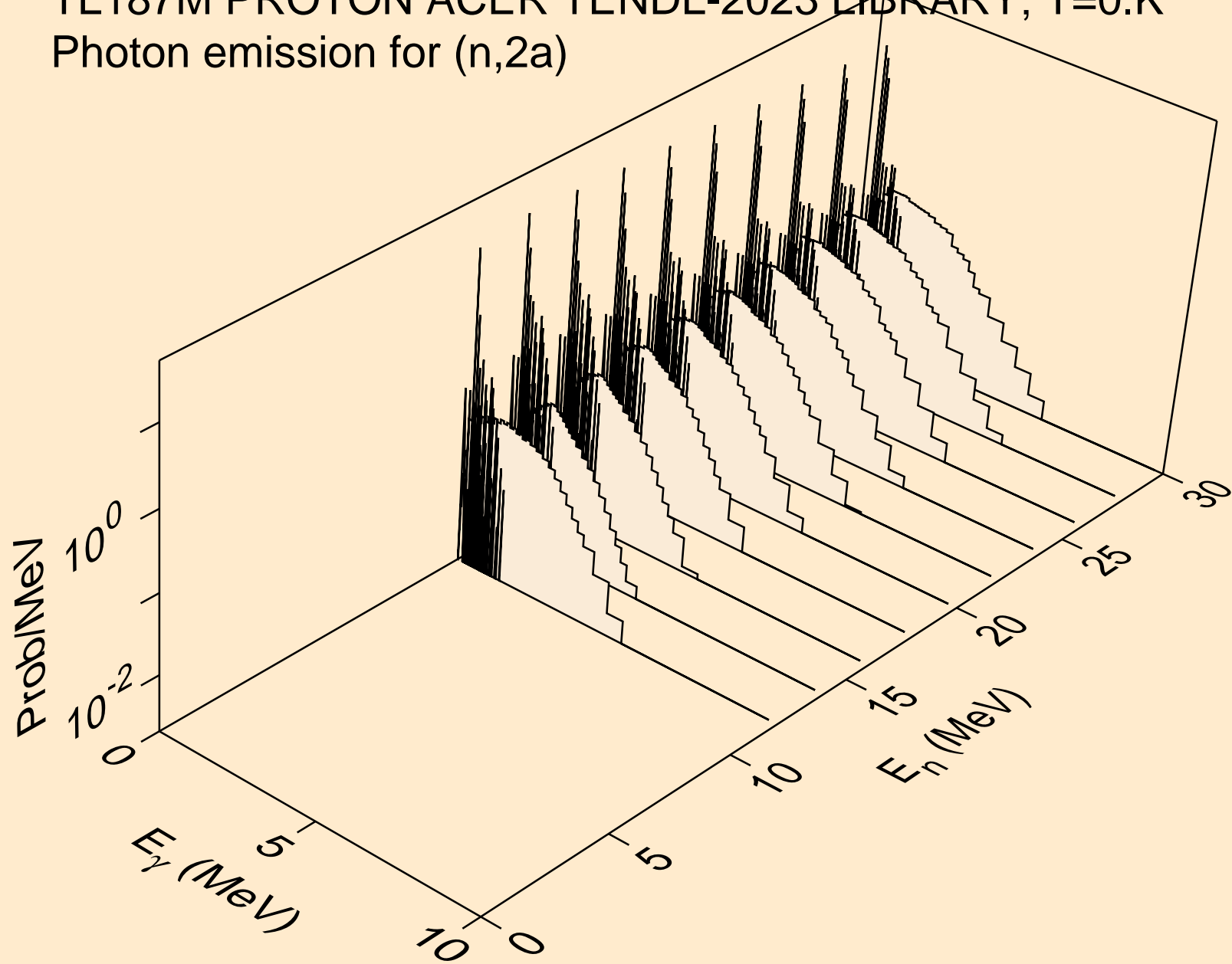




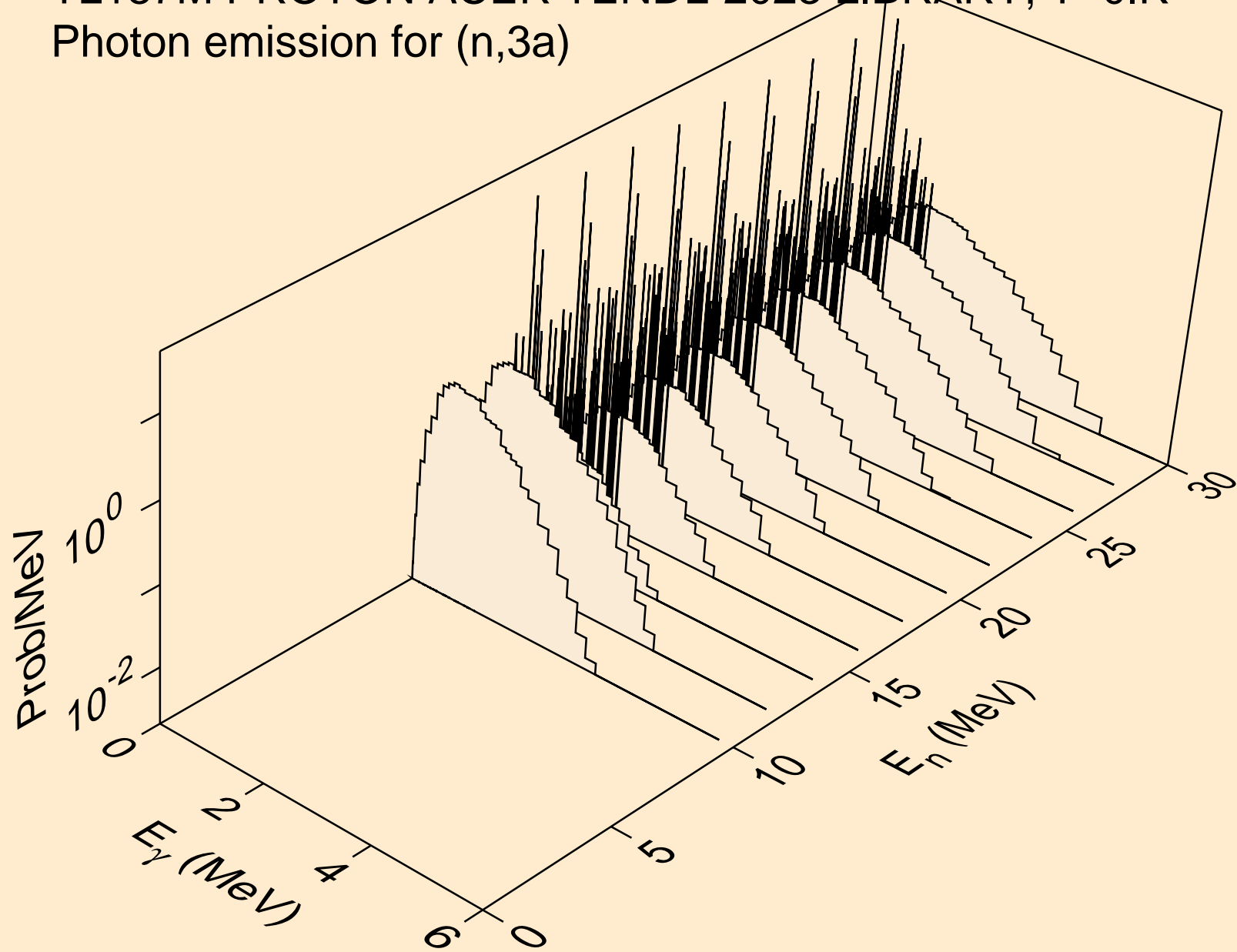
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Photon emission for (n,a)



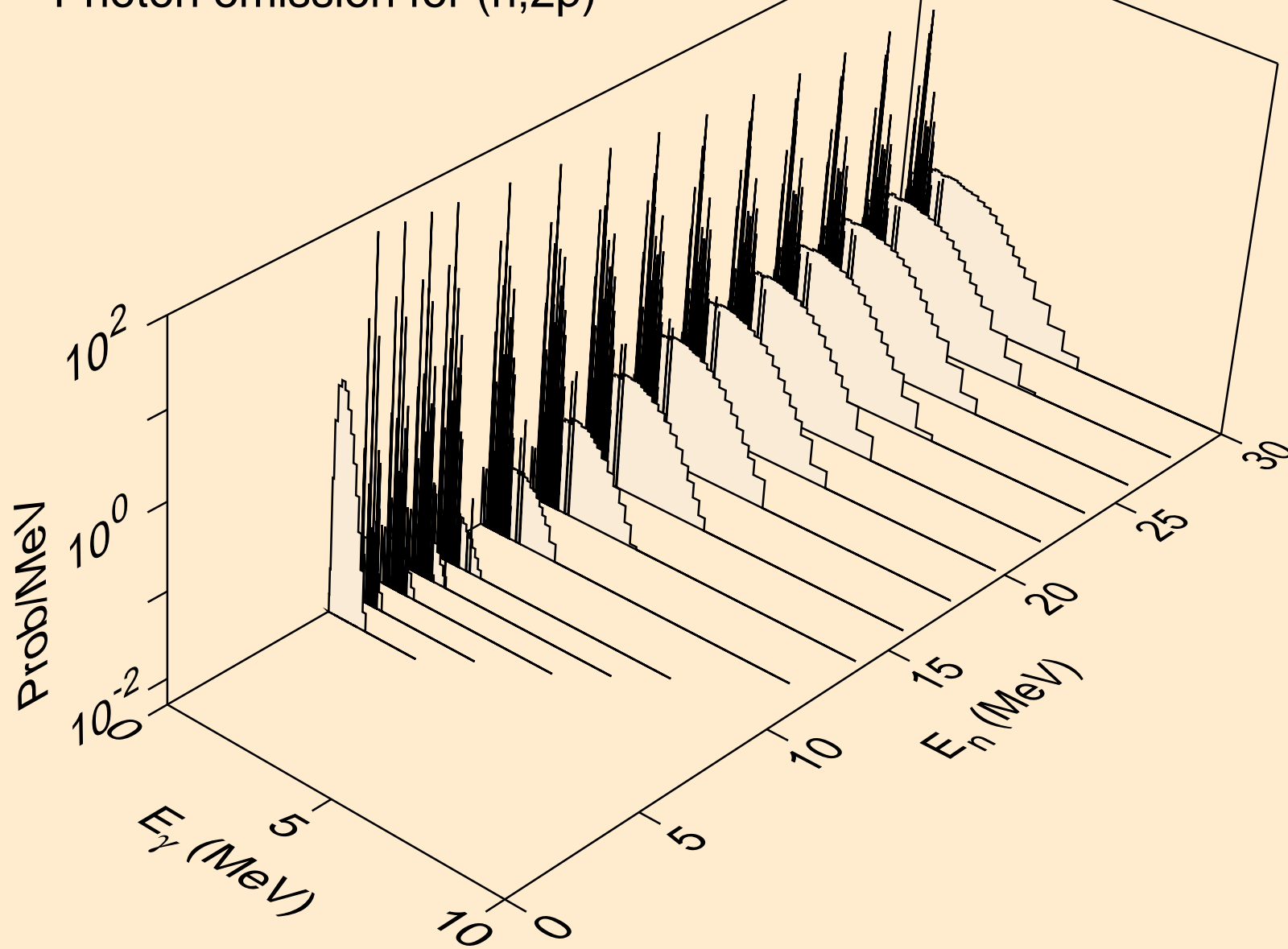
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Photon emission for (n,2a)



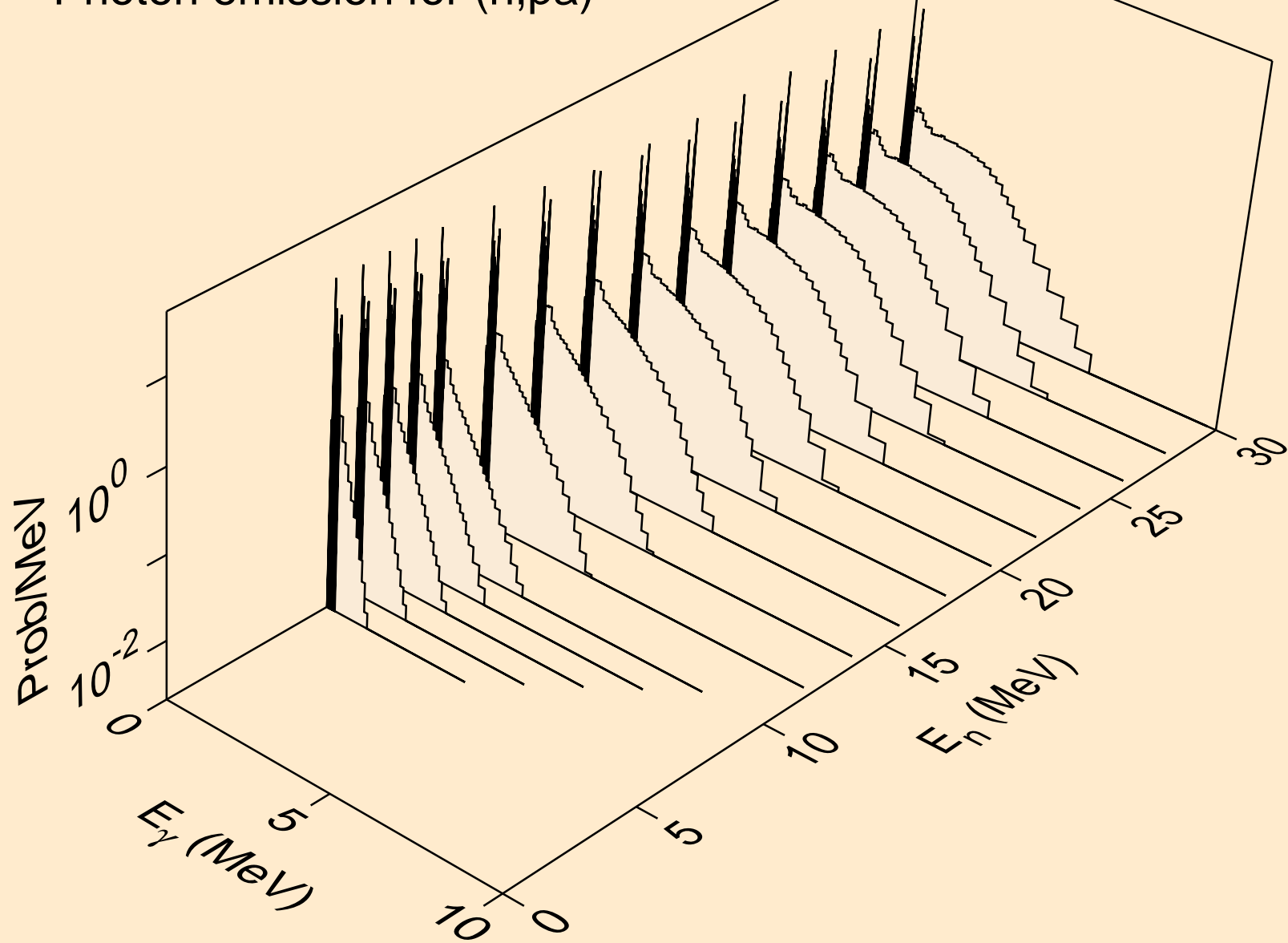
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Photon emission for (n,3a)



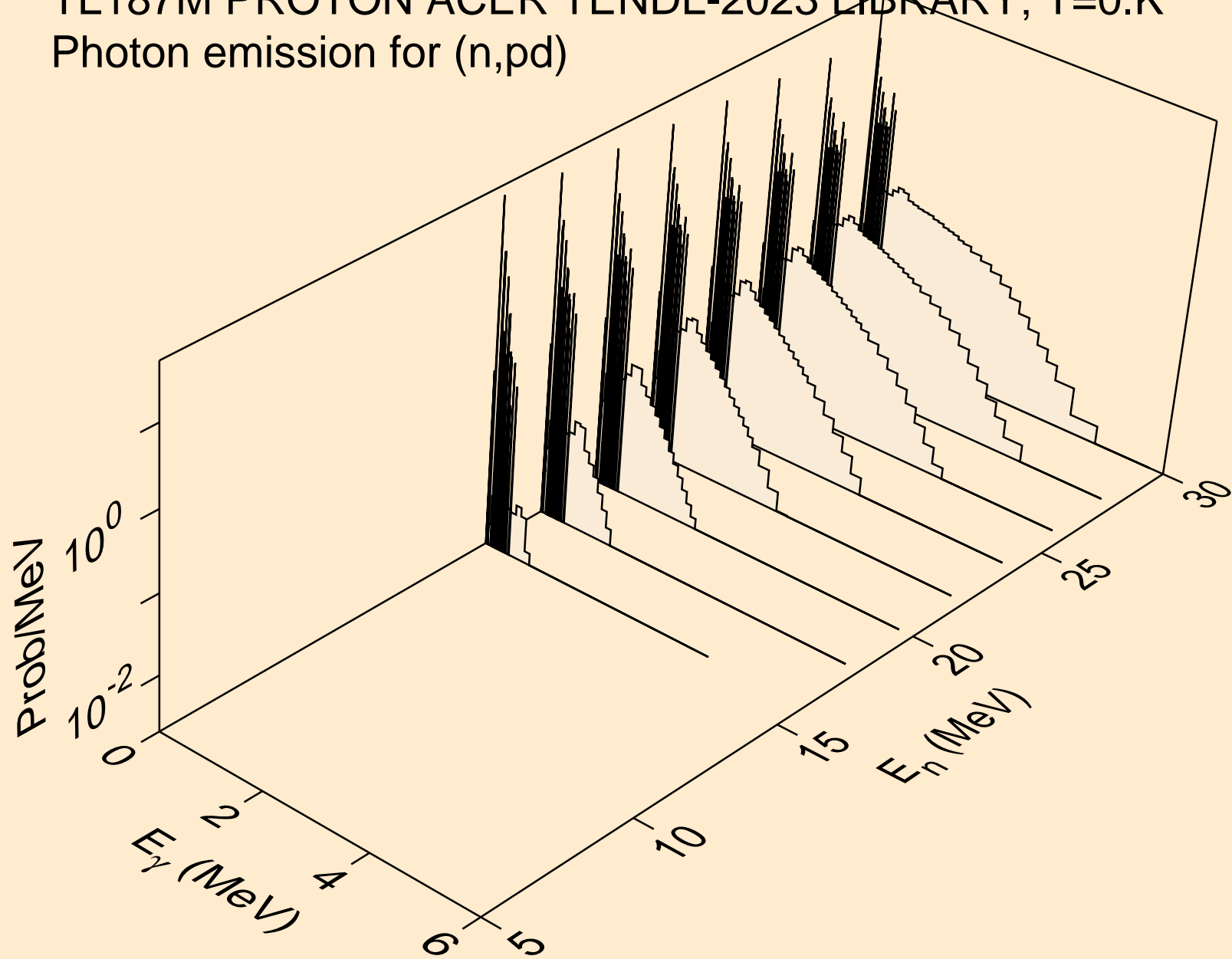
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Photon emission for (n,2p)



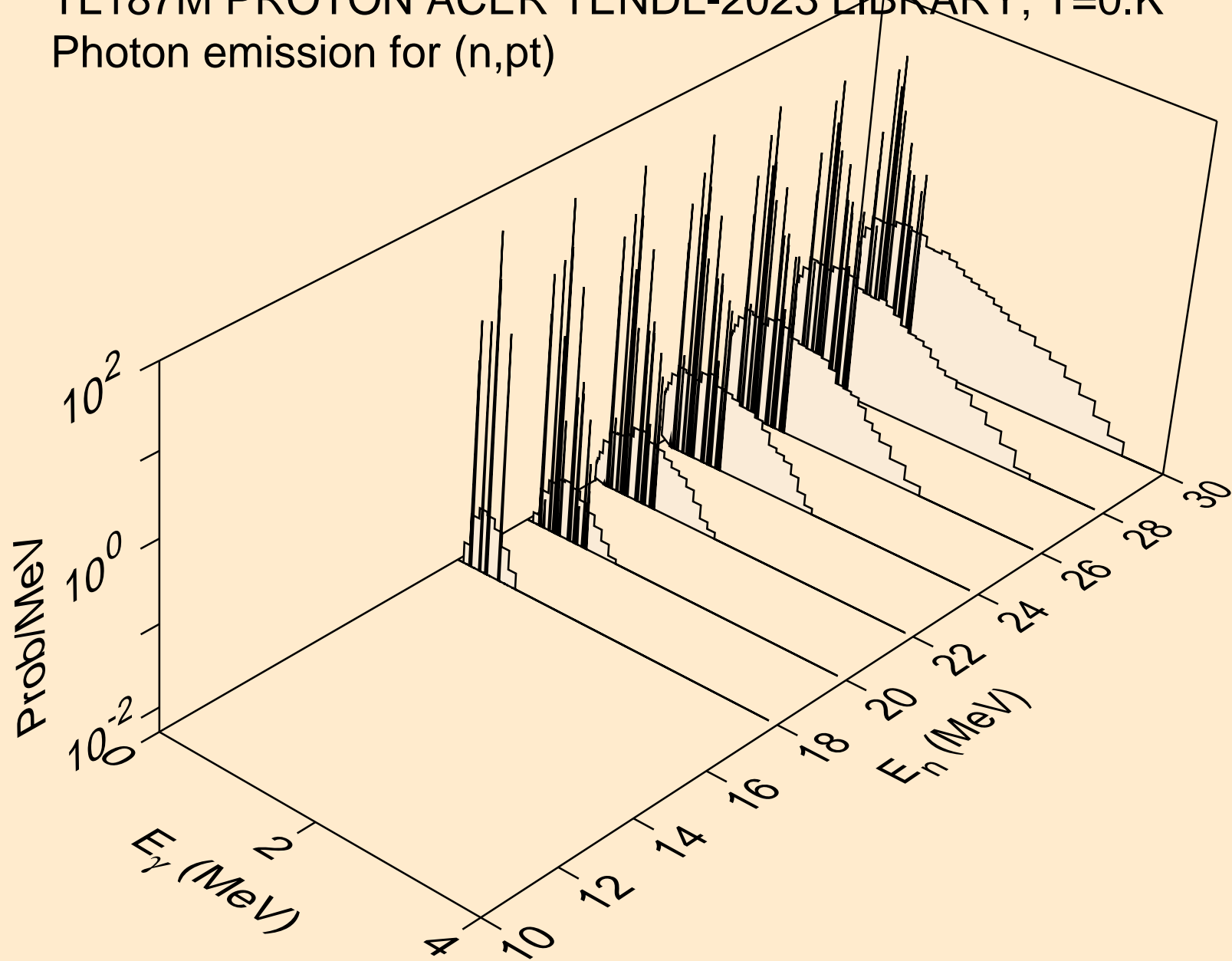
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Photon emission for (n,pa)



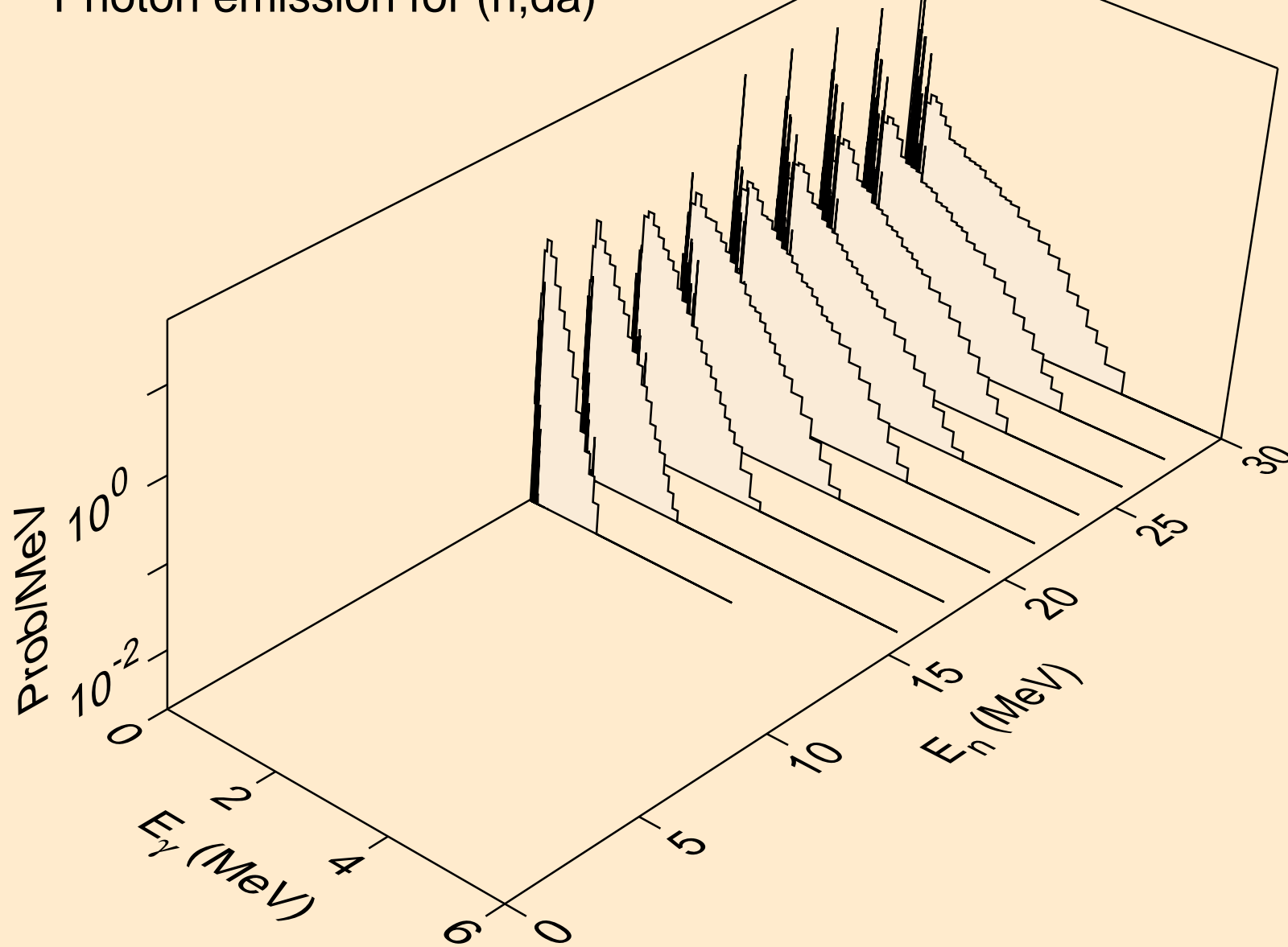
TL187M PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



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Photon emission for (n,pt)

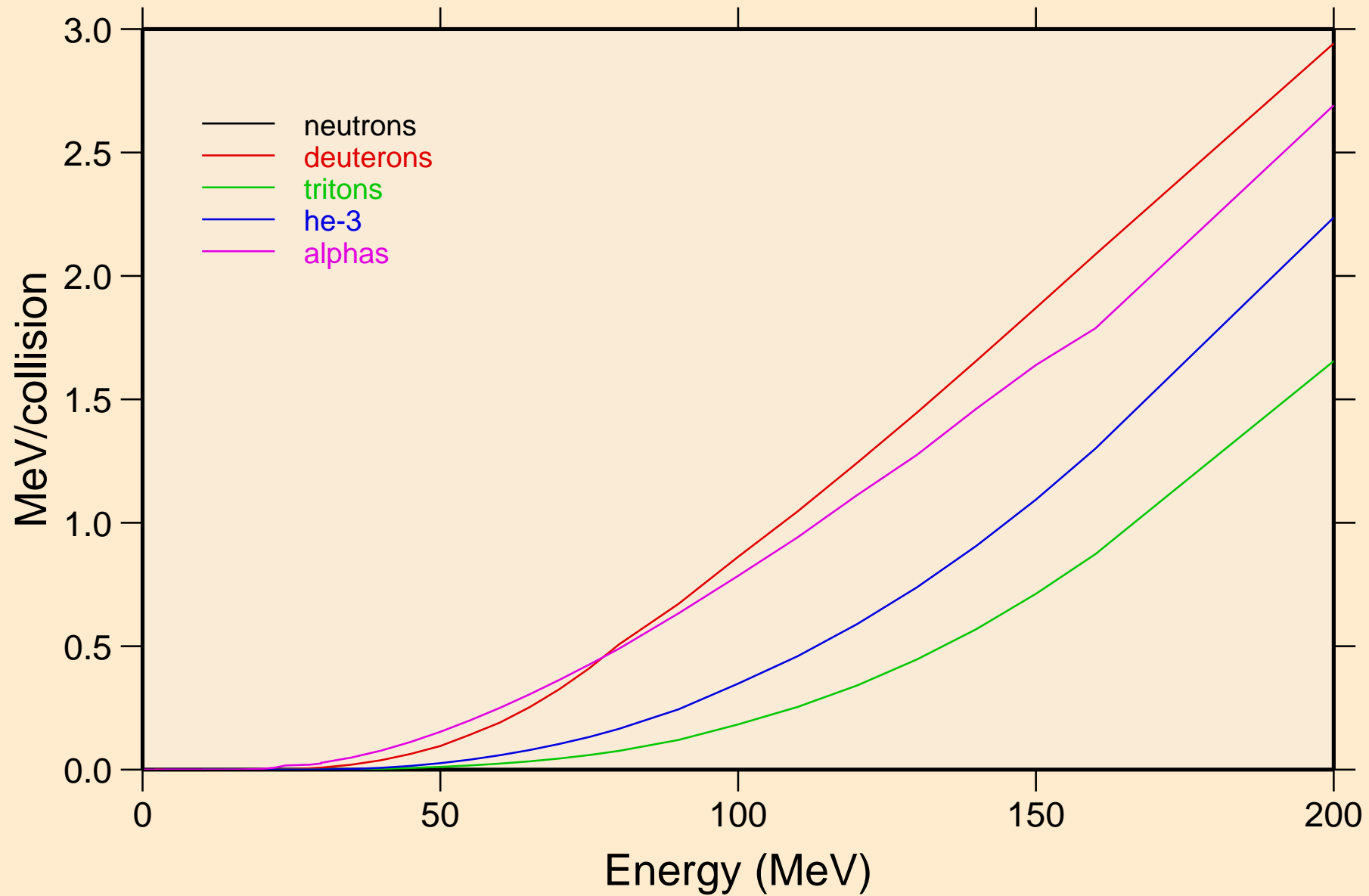


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Photon emission for (n,da)

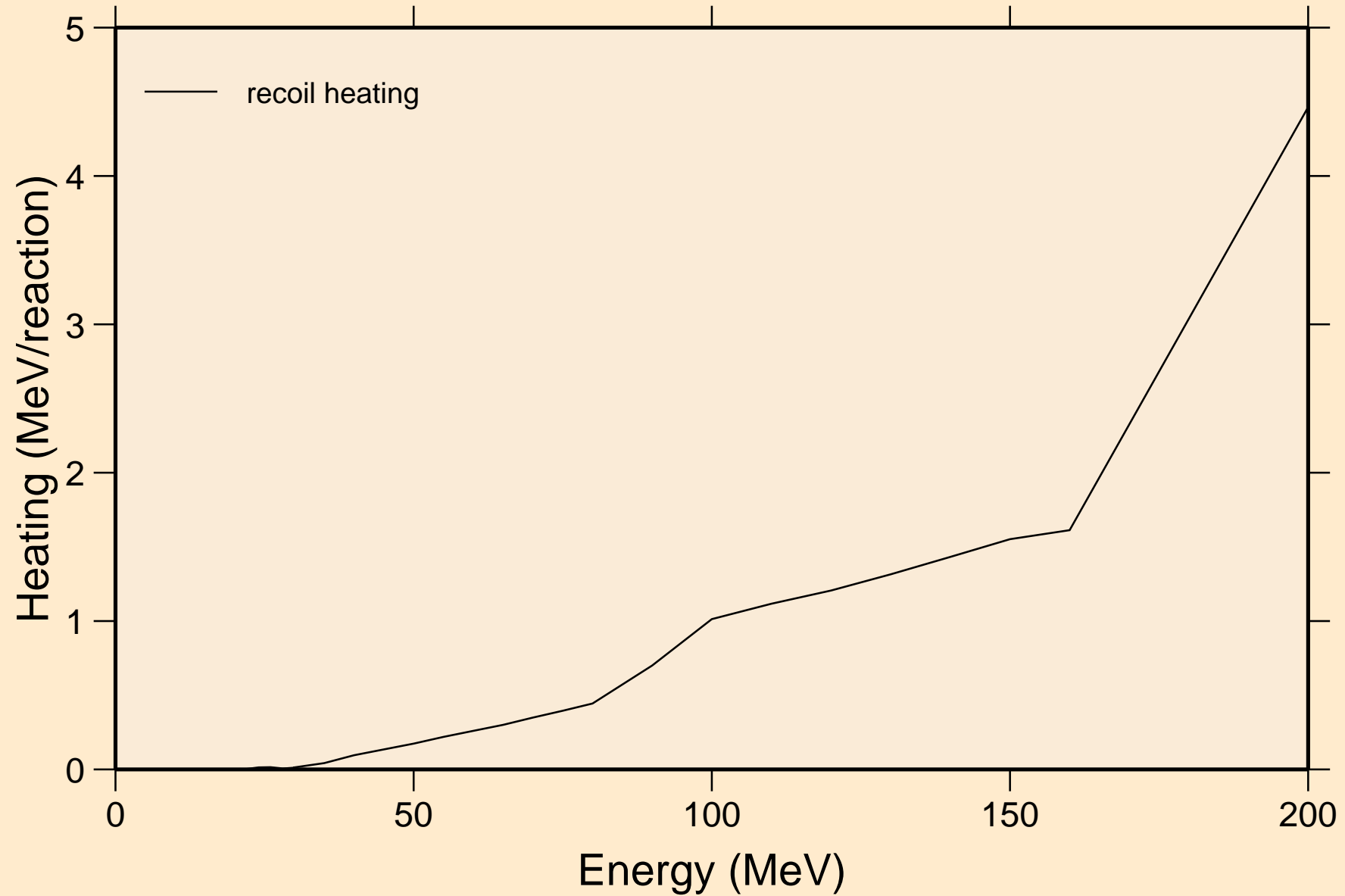




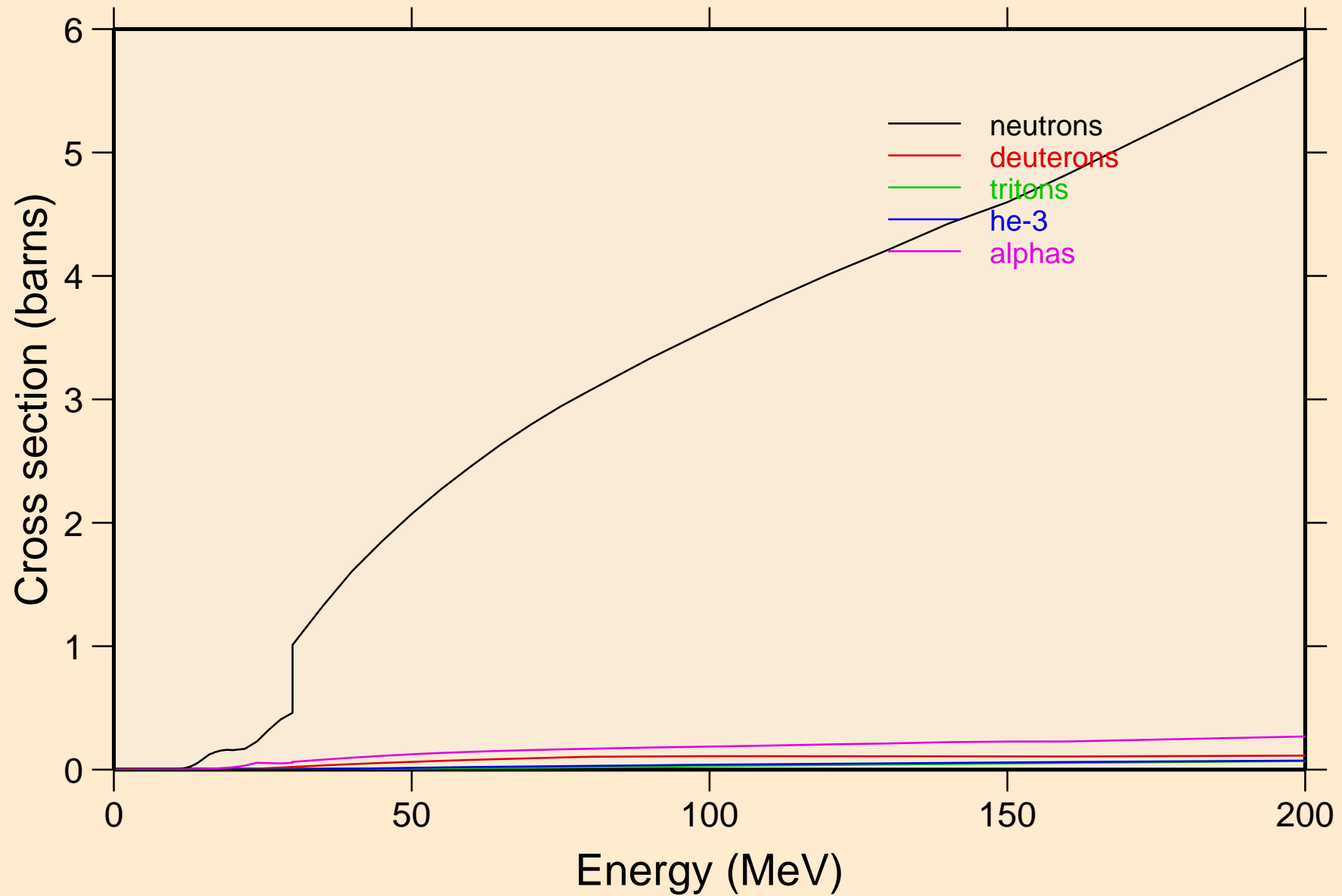
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Particle heating contributions



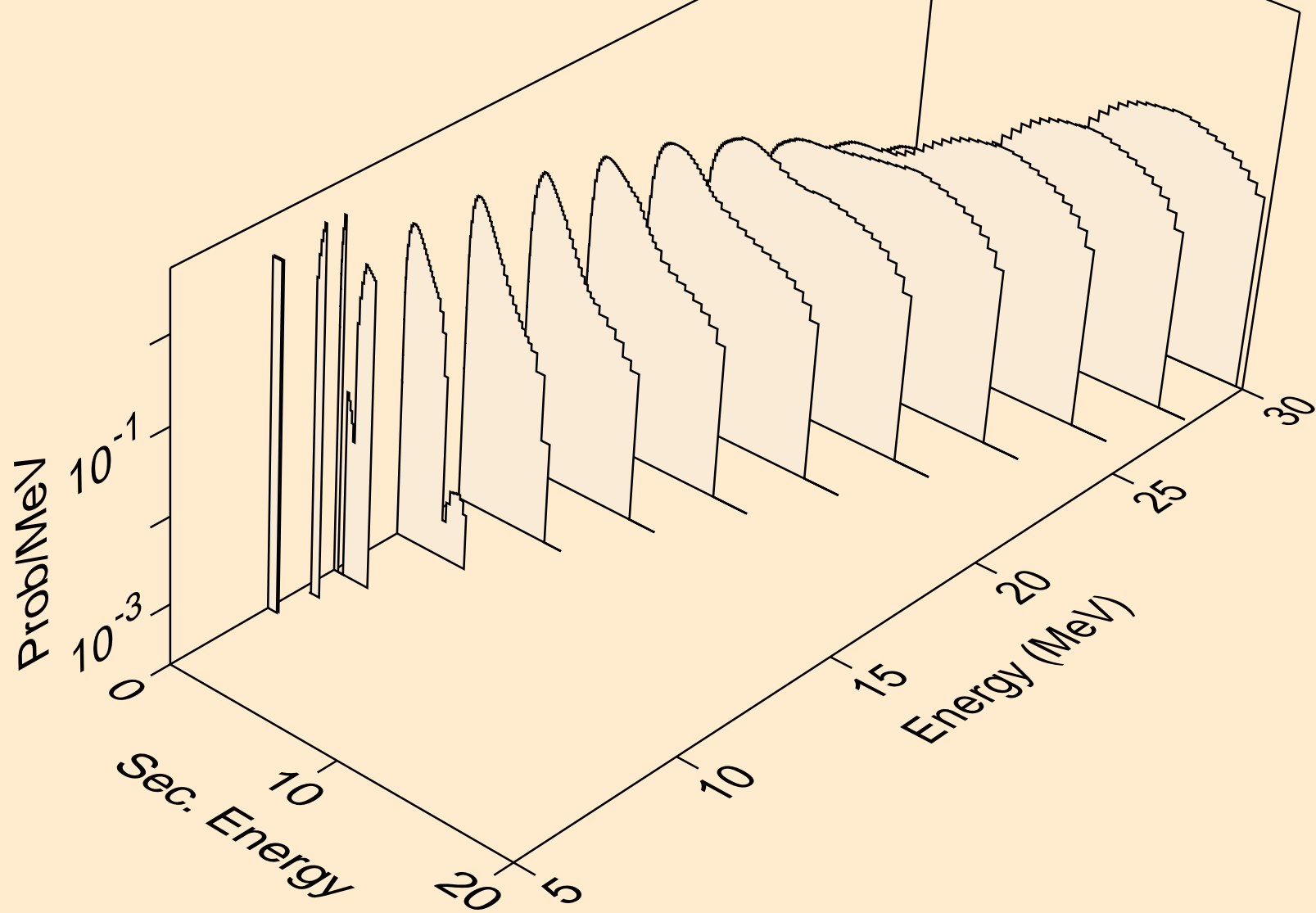
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Recoil Heating



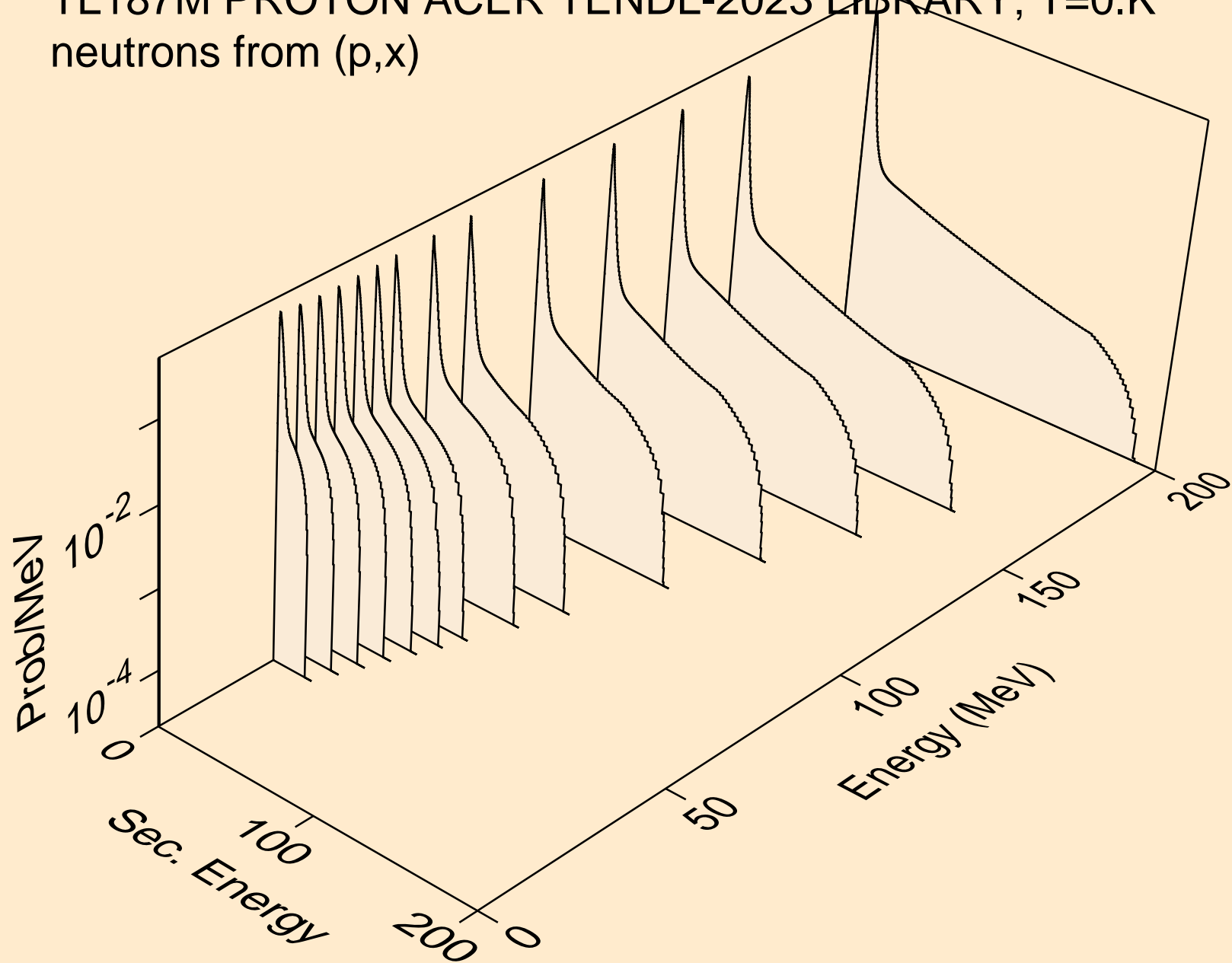
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Particle production cross sections



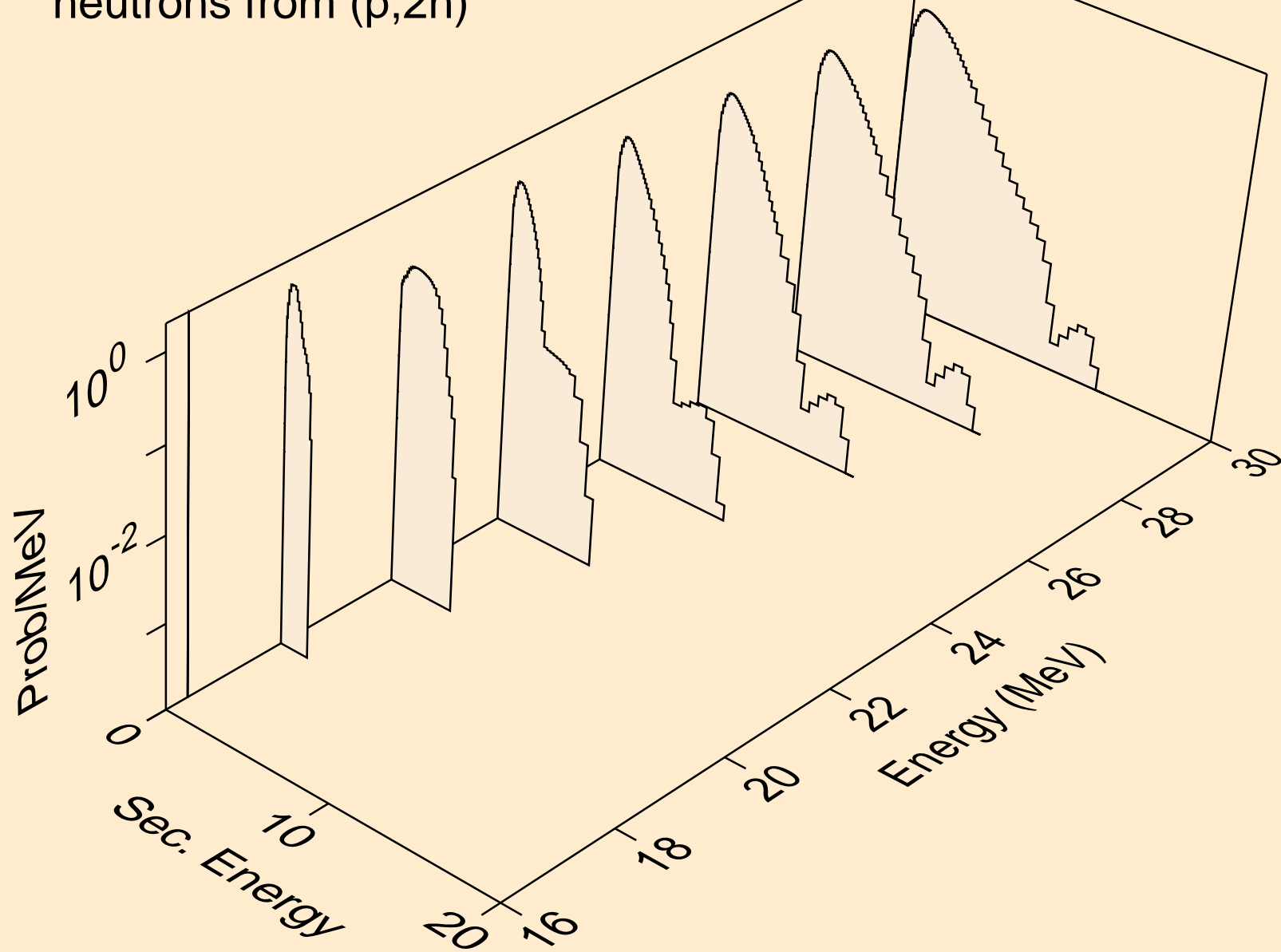
TL187M PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)



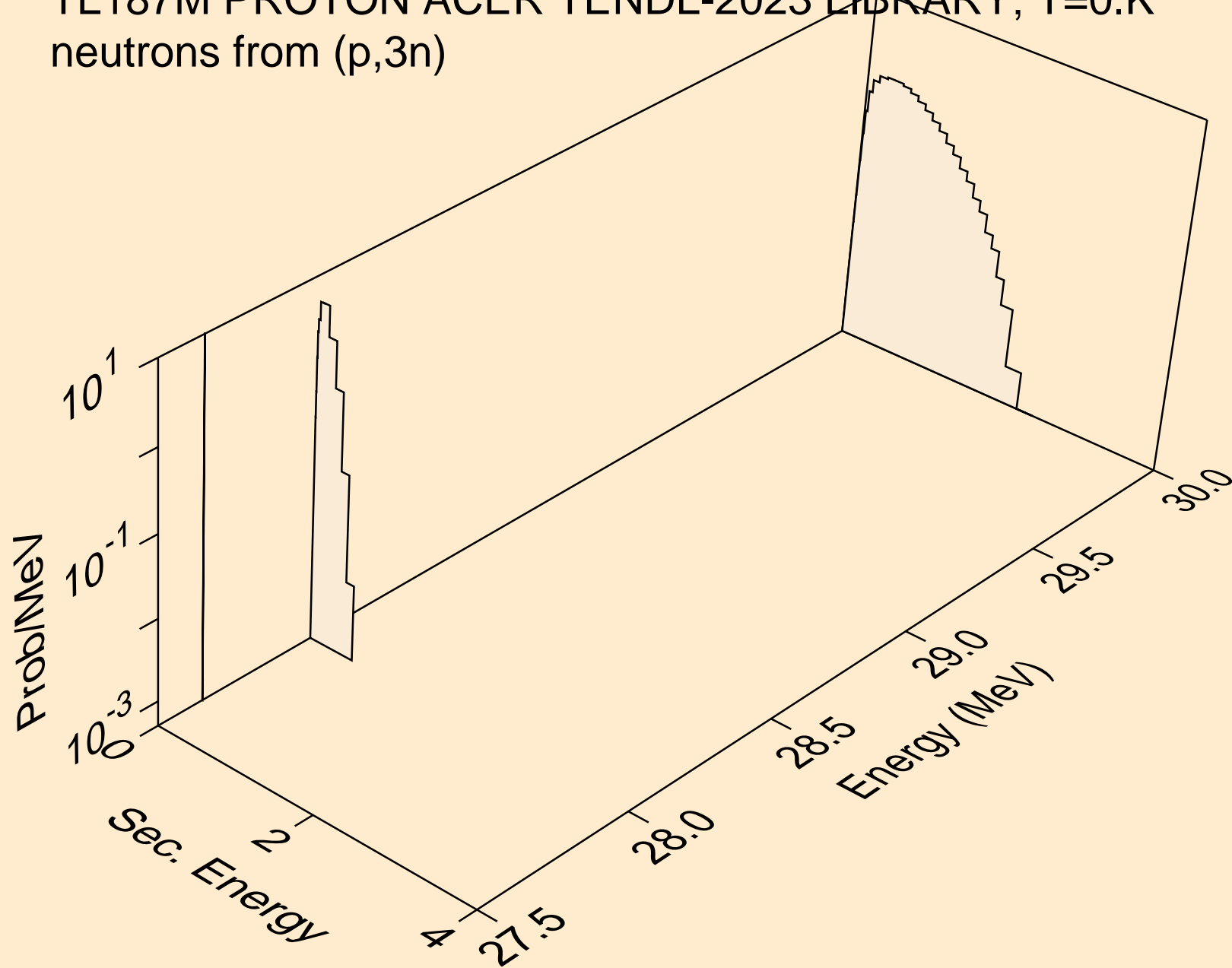
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neutrons from (p,x)



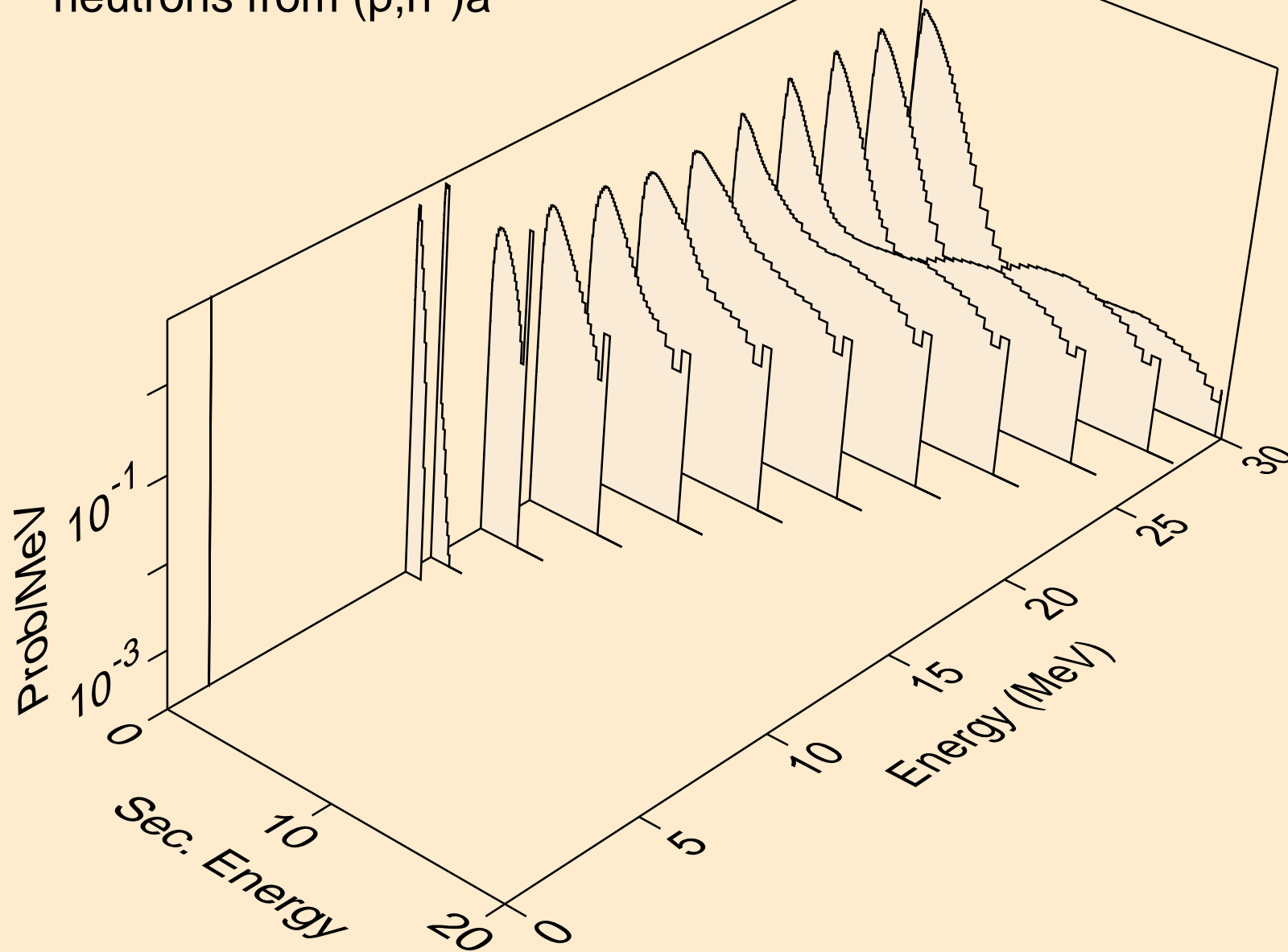
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neutrons from (p,2n)



TL187M PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3n)

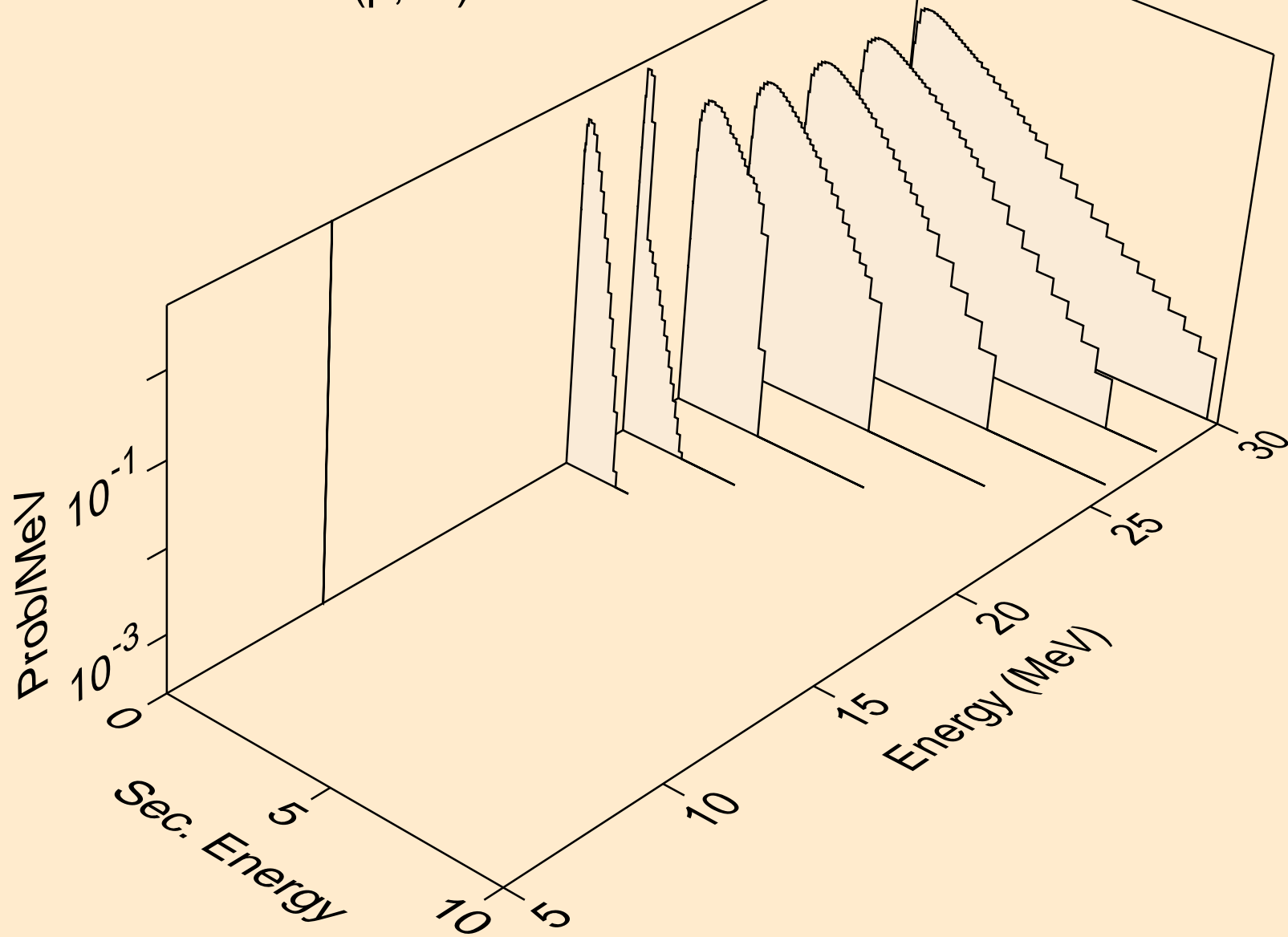


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neutrons from (p,n\*)a

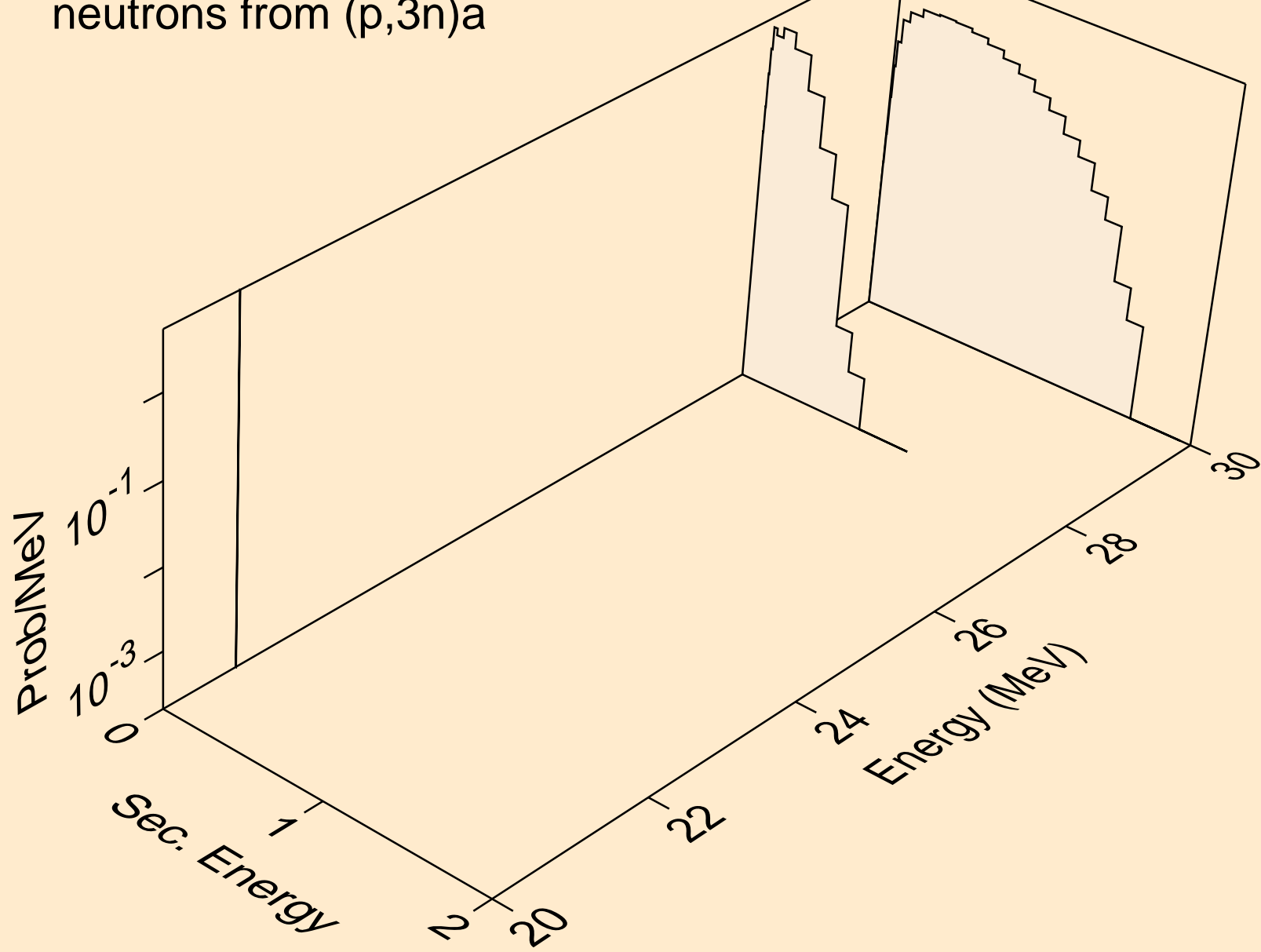




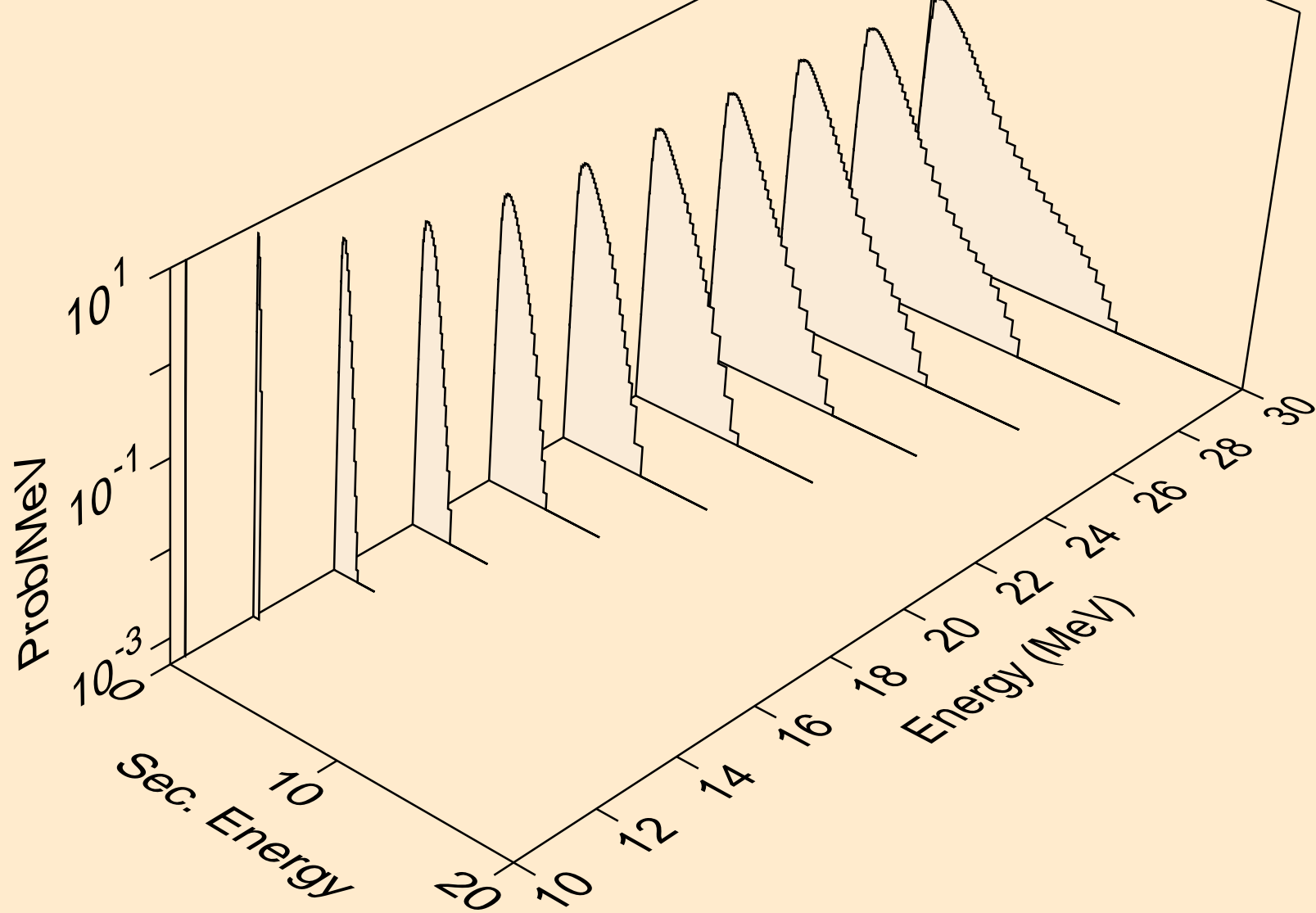
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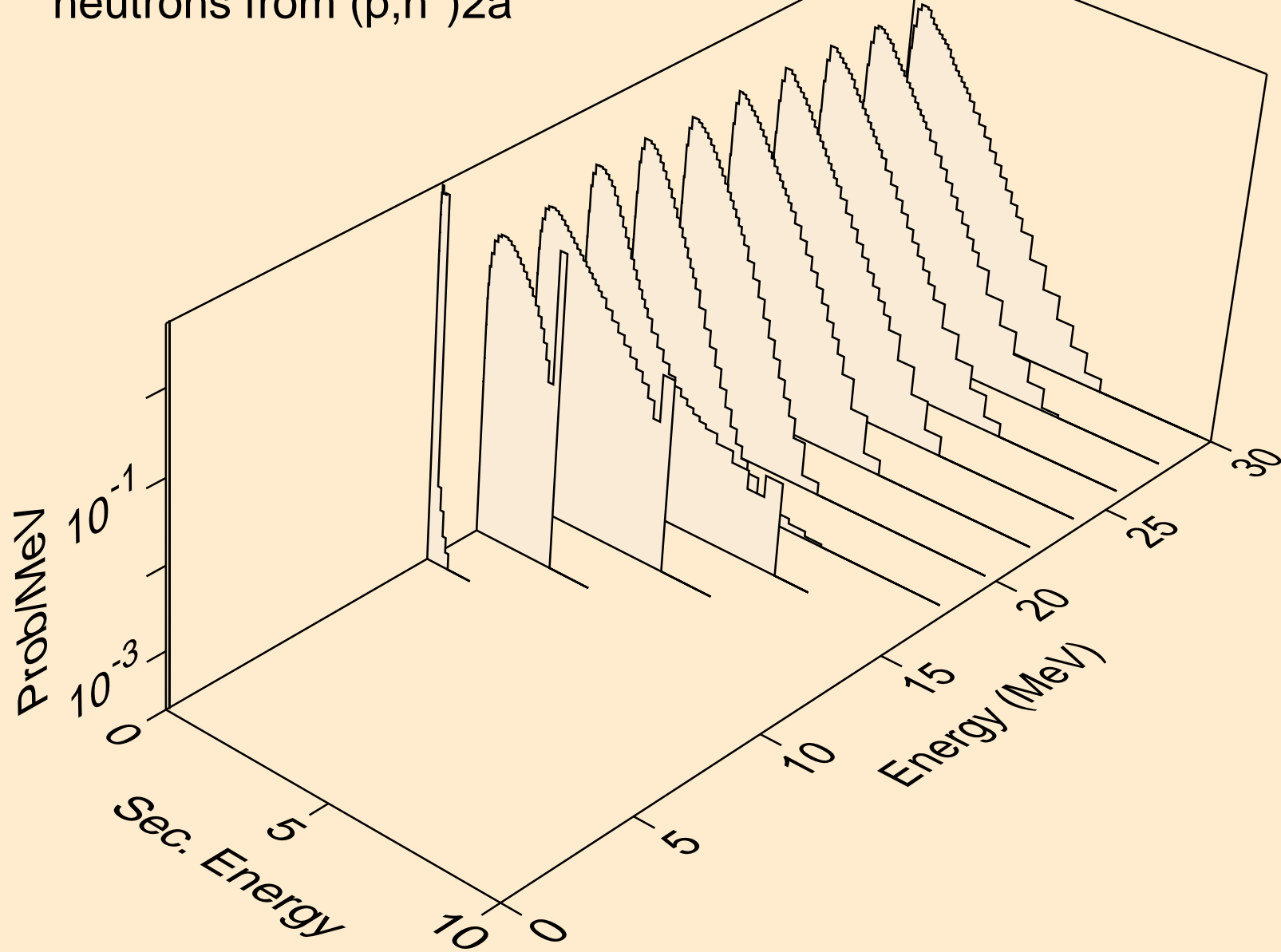
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neutrons from (p,3n)a



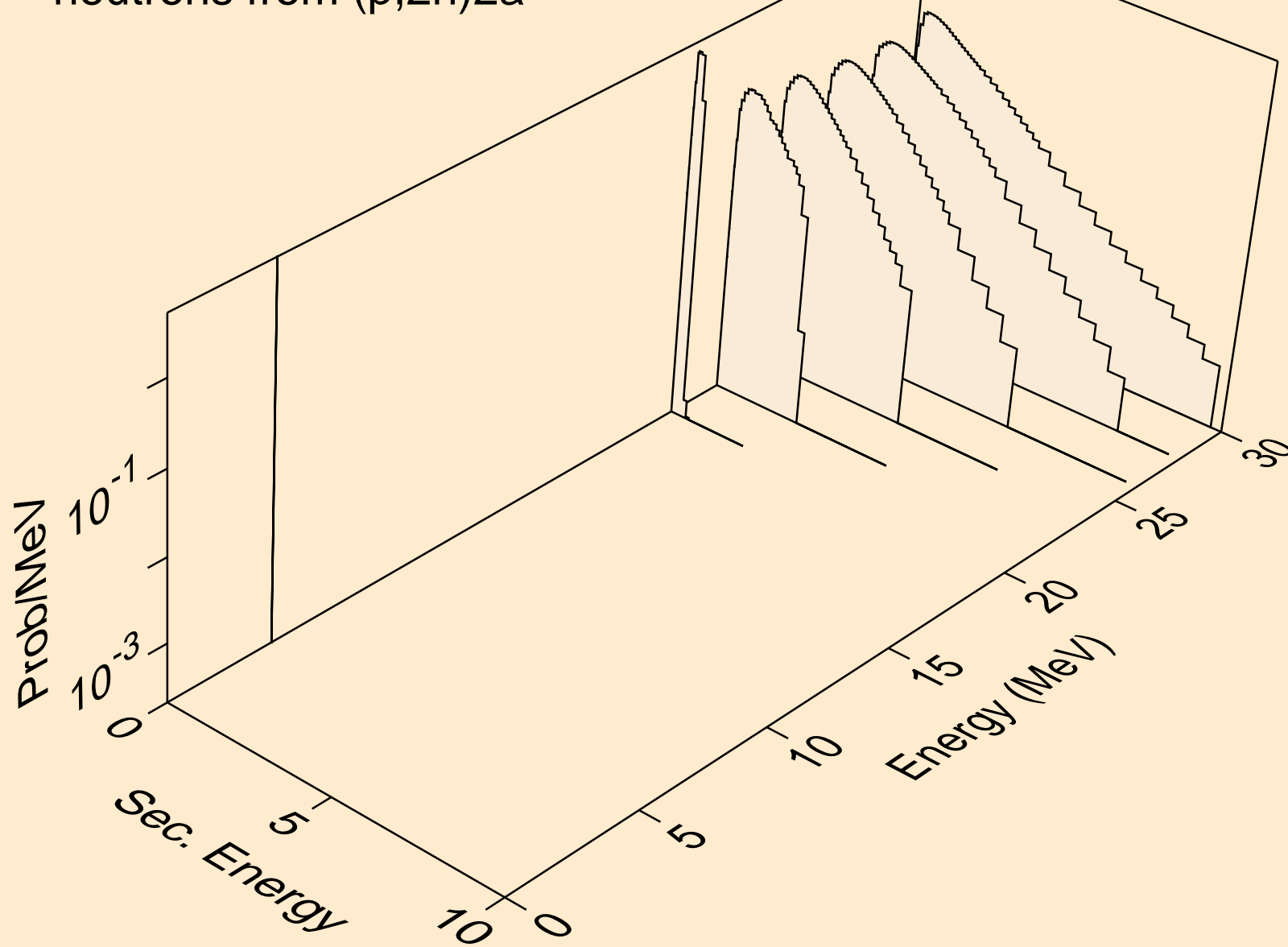
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neutrons from (p,n\*)p



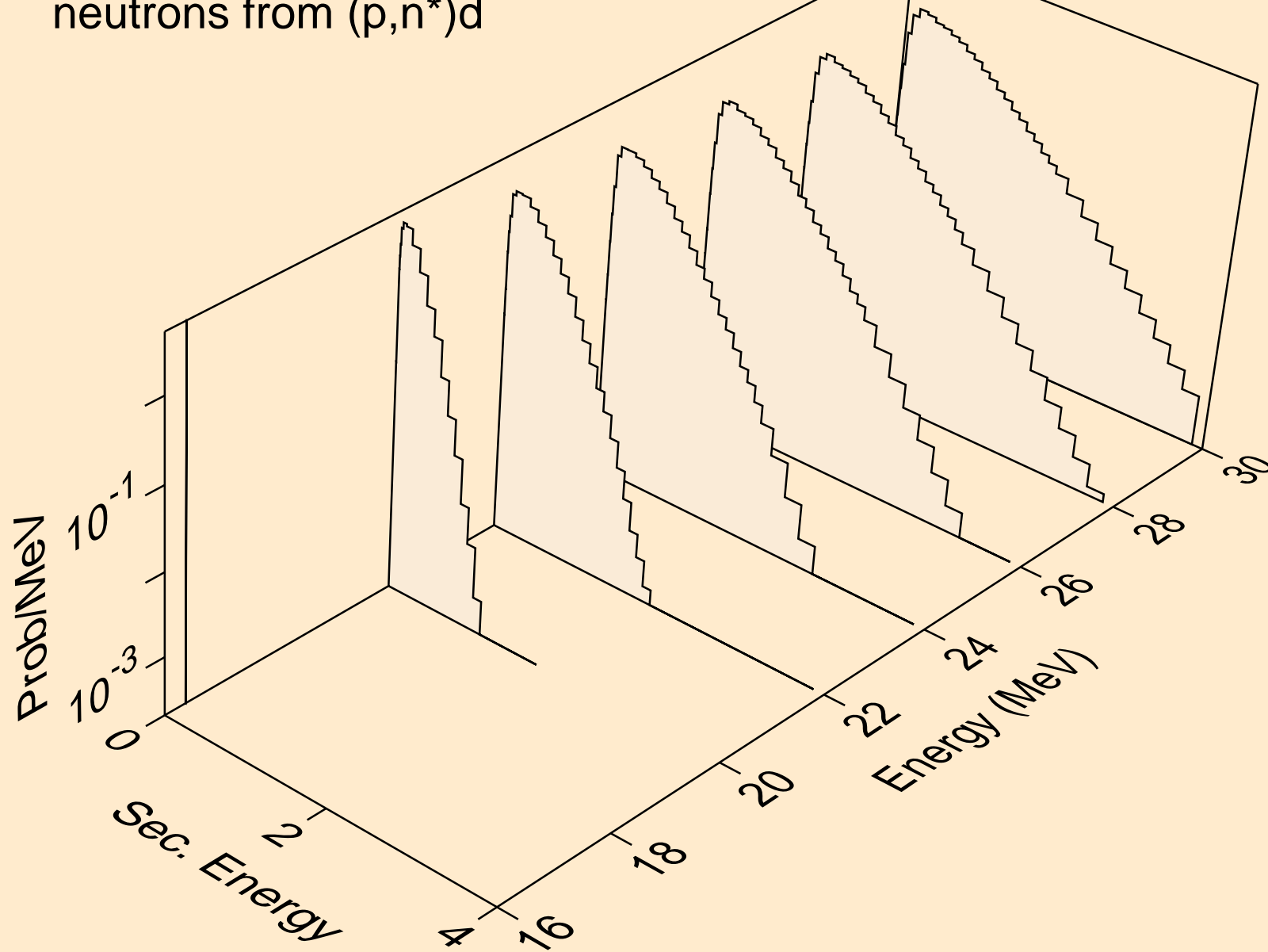
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neutrons from (p,n\*)2a



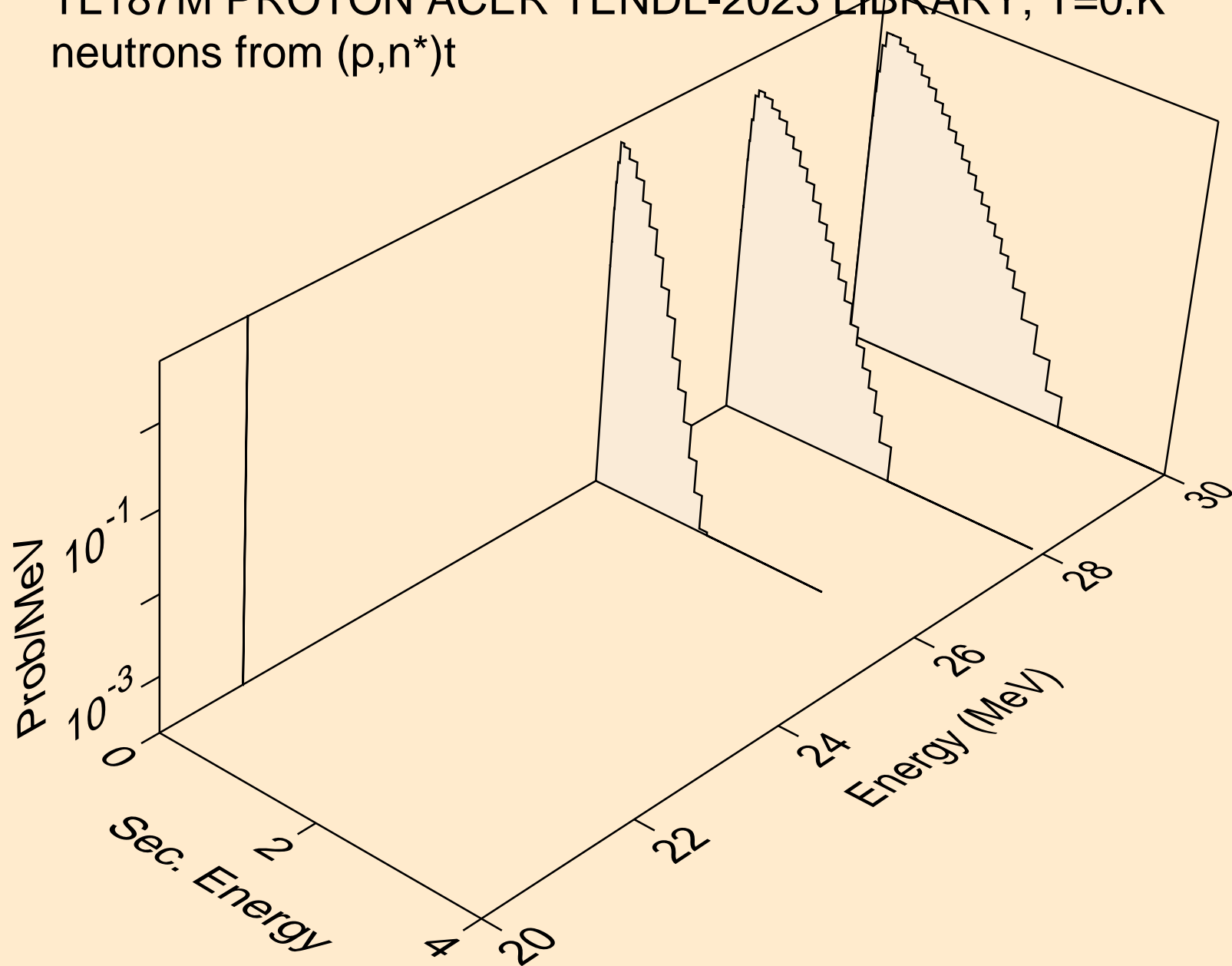
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neutrons from (p,2n)2a



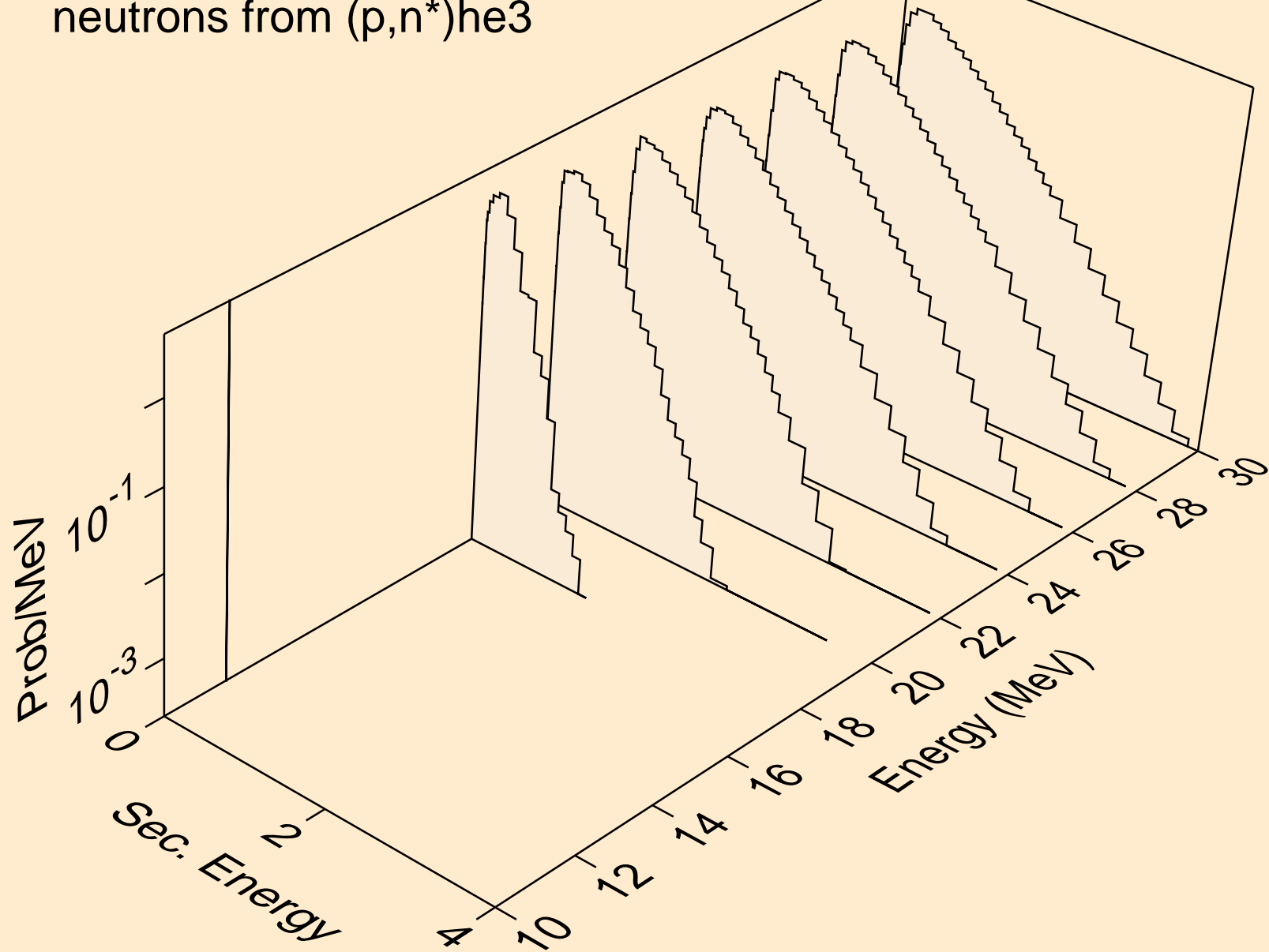
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neutrons from (p,n\*)d



TL187M PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)t

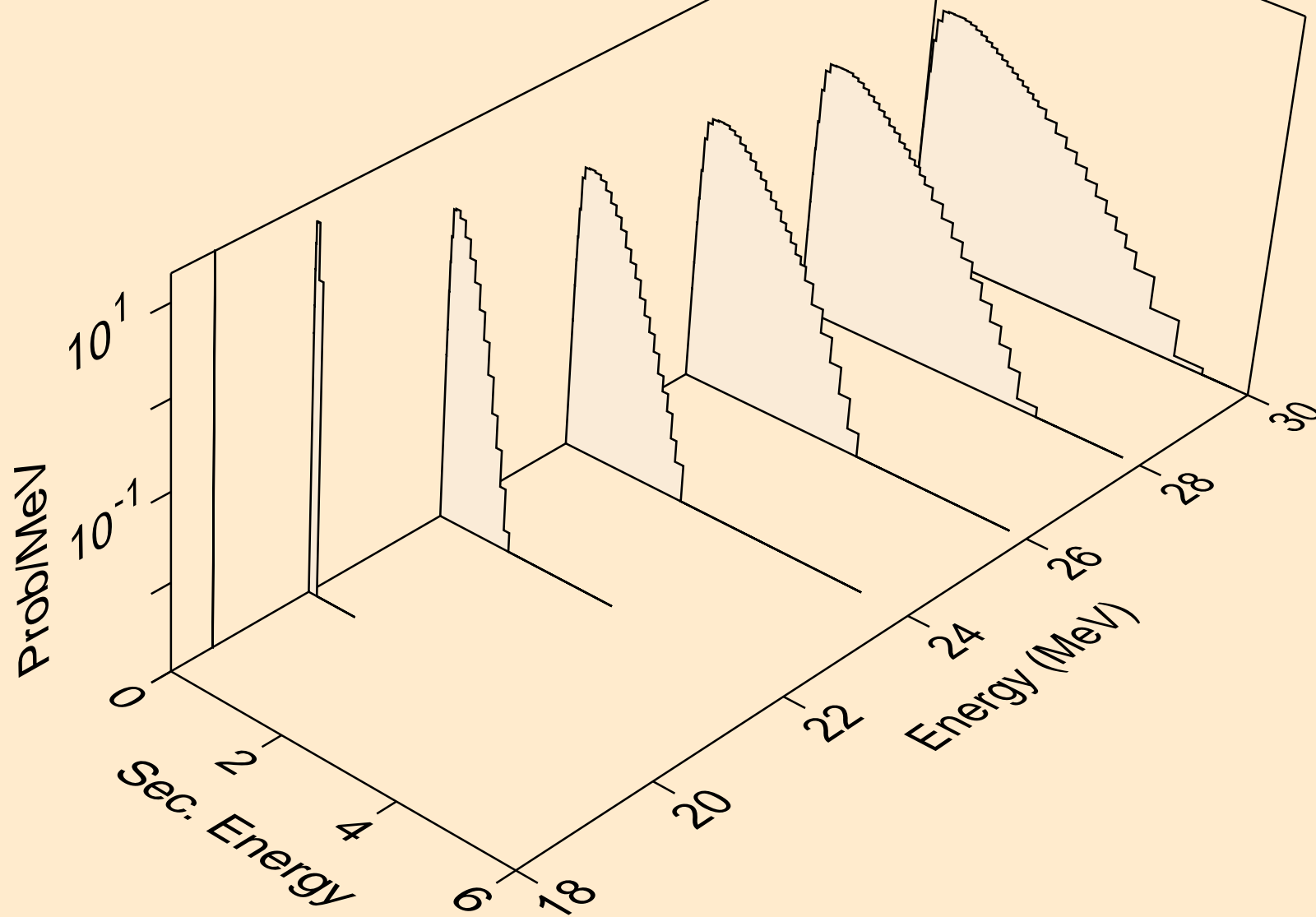


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neutrons from (p,n\*)he3

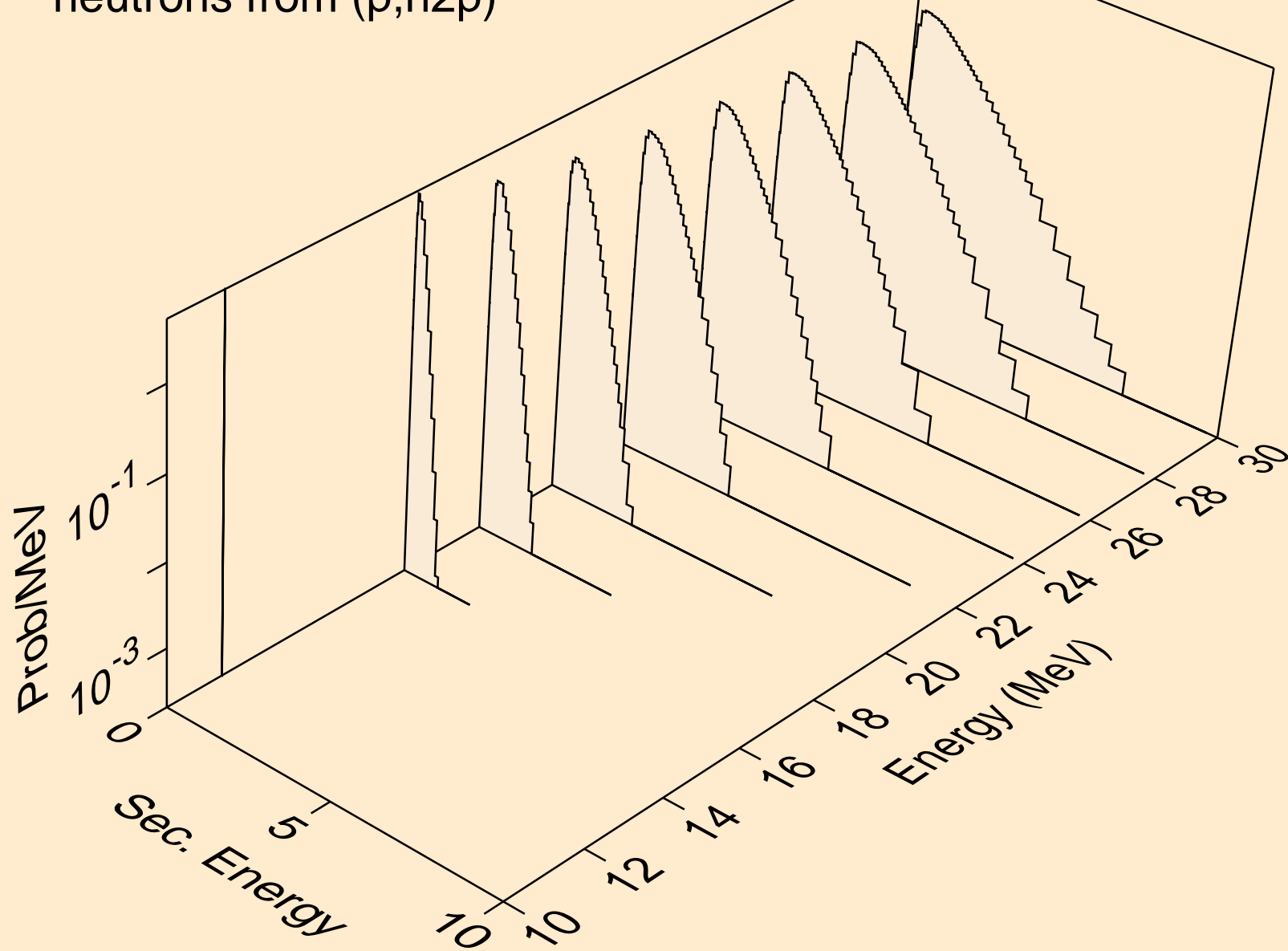




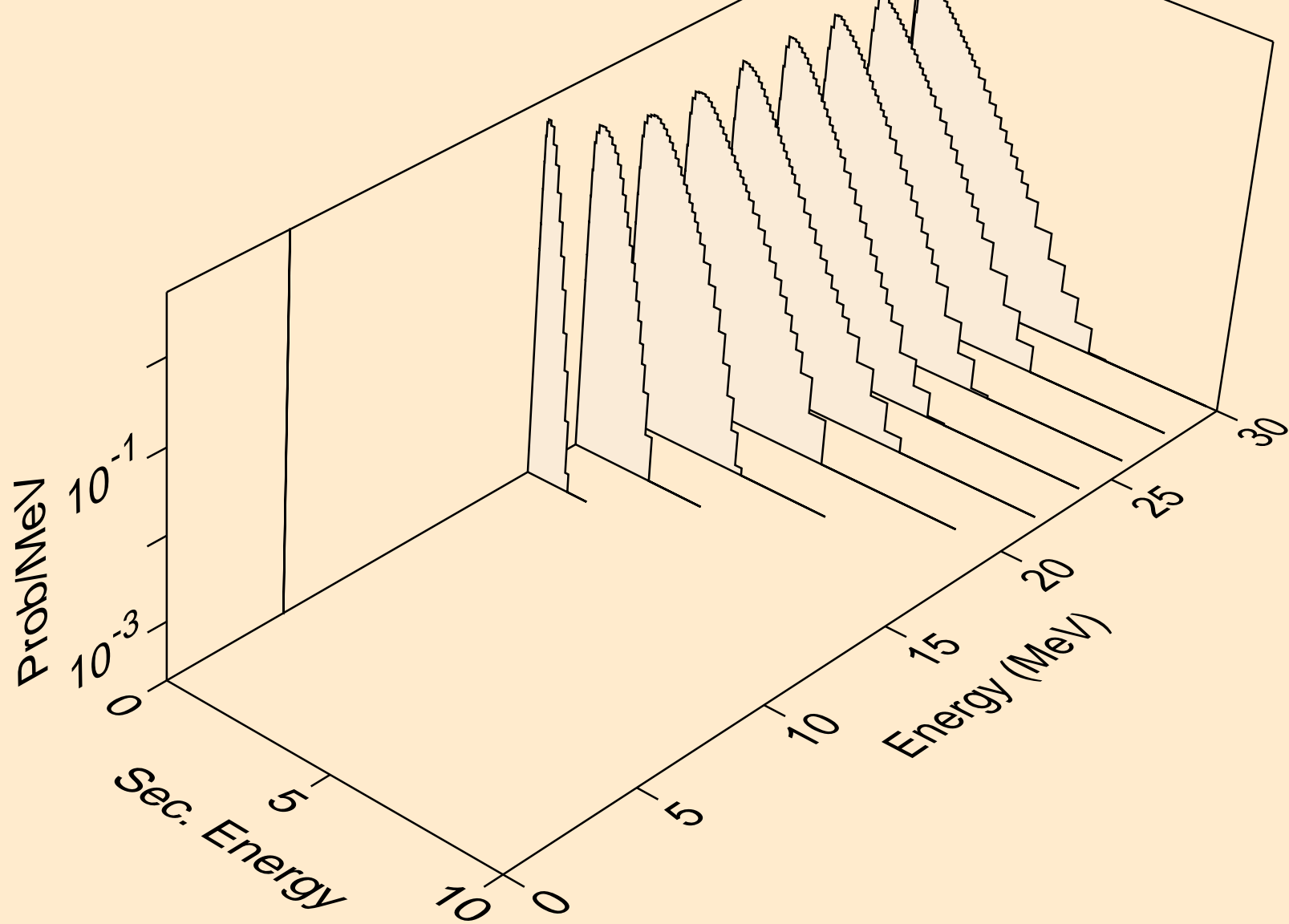
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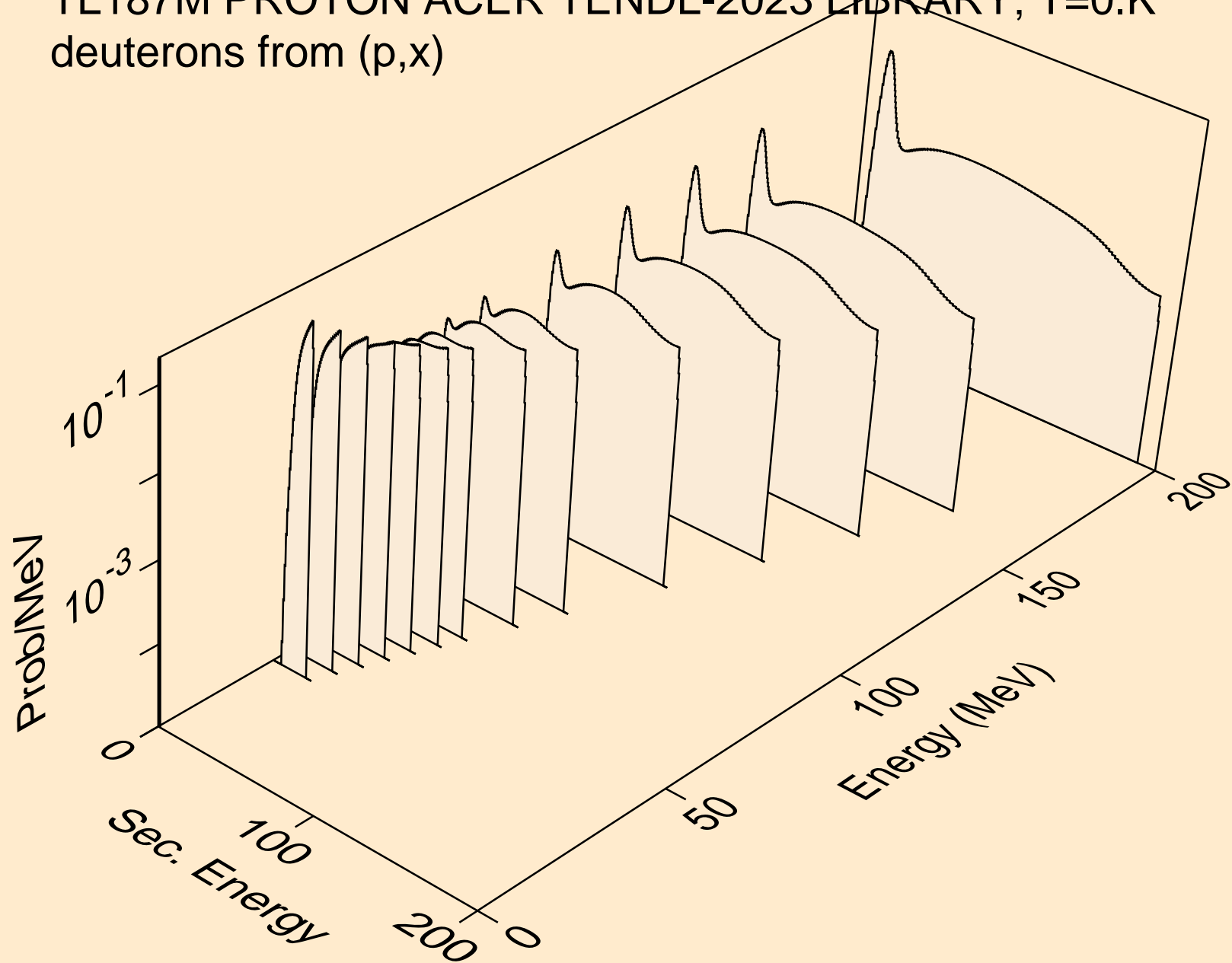
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neutrons from (p,n2p)



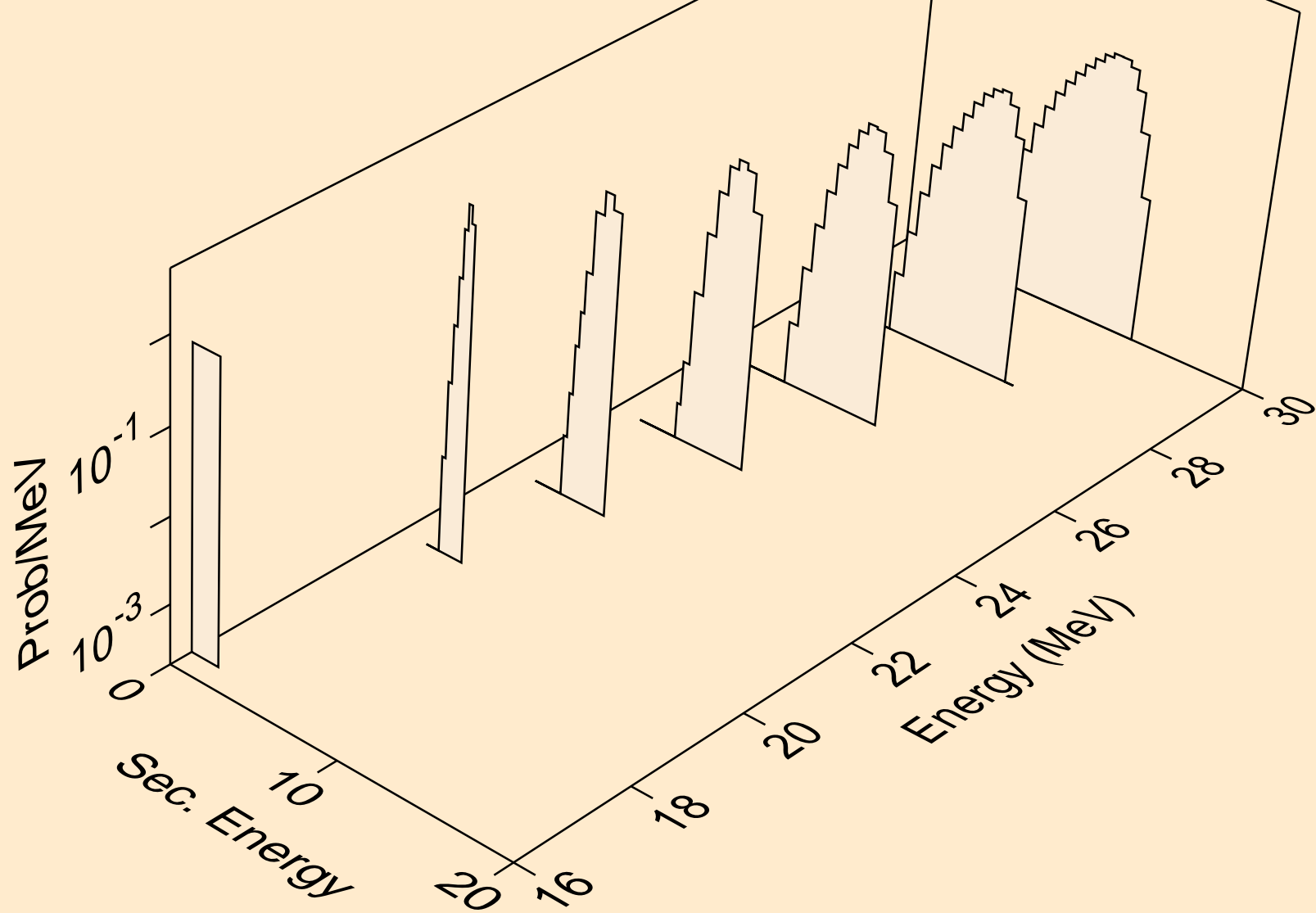
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neutrons from (p,npa)



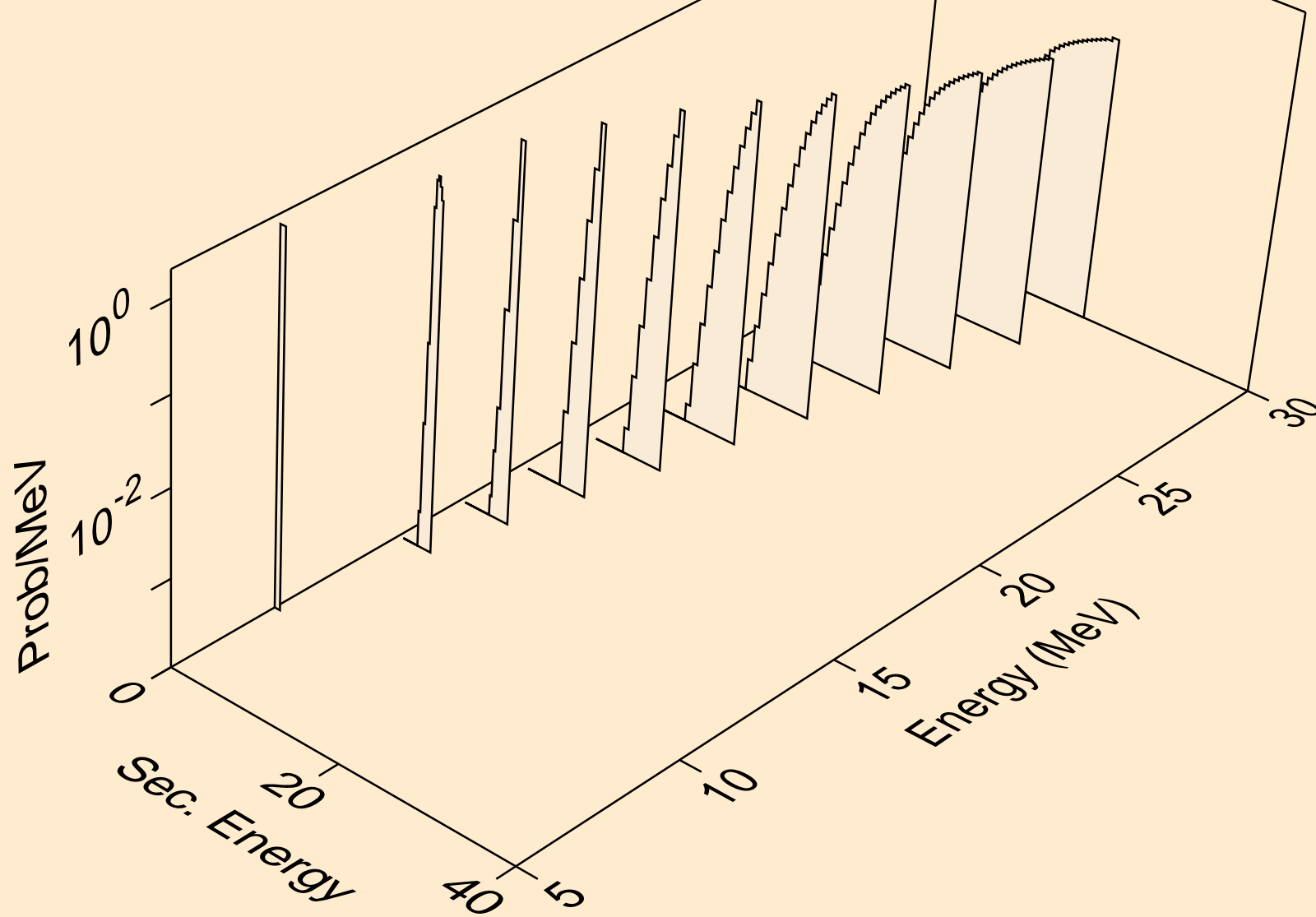
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deuterons from (p,x)



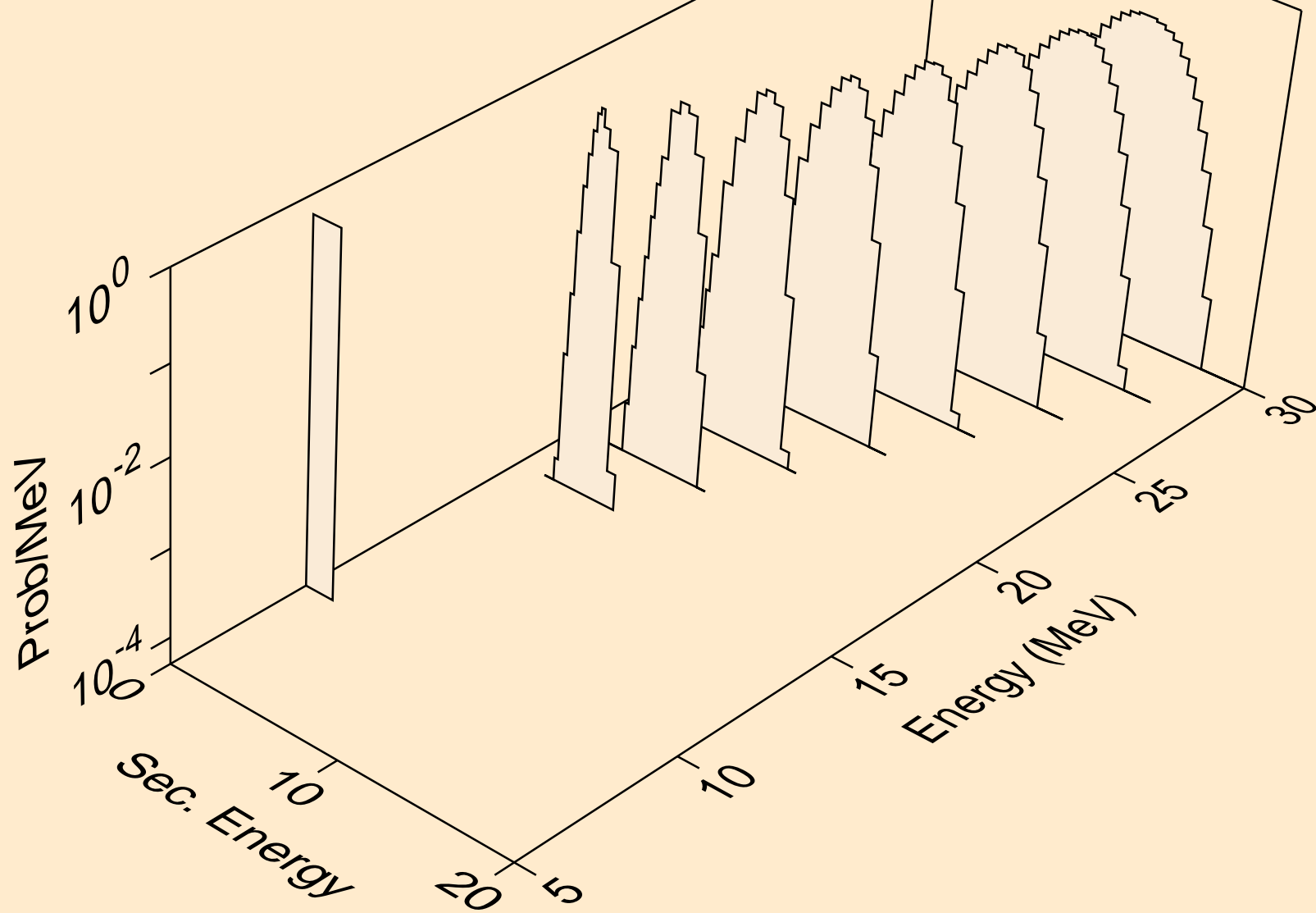
TL187M PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,n\*)d



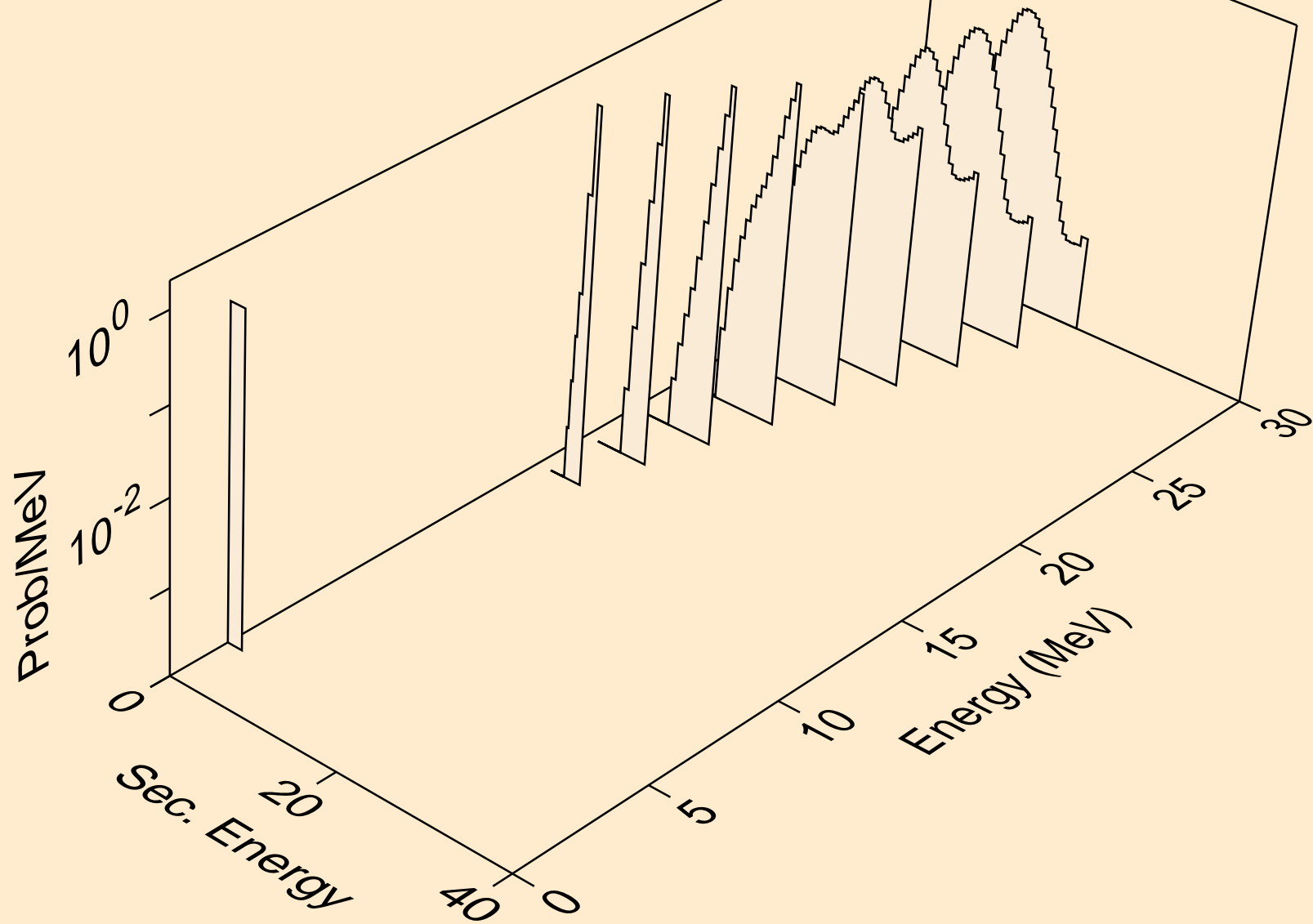
TL187M PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,d)



TL187M PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,pd)

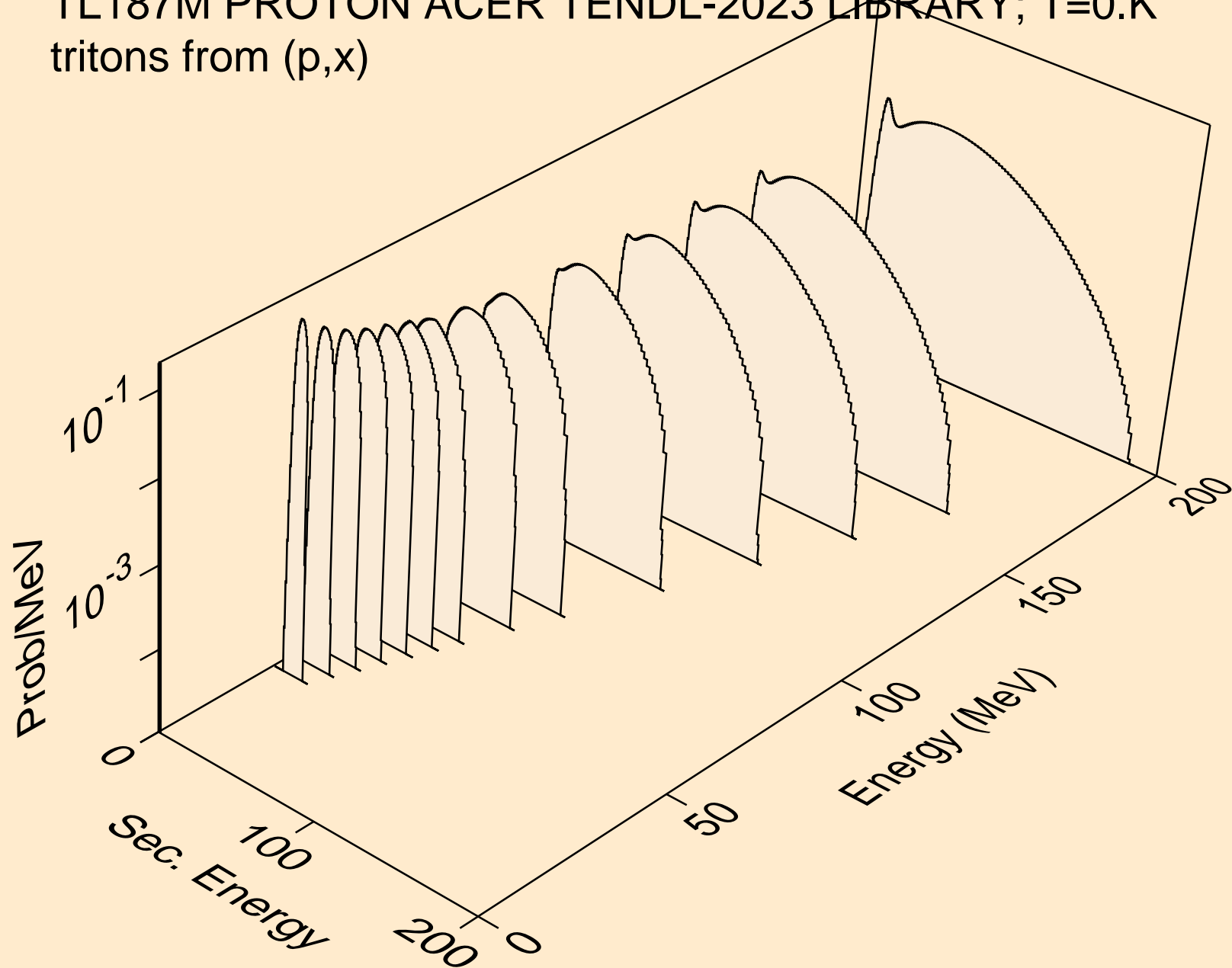


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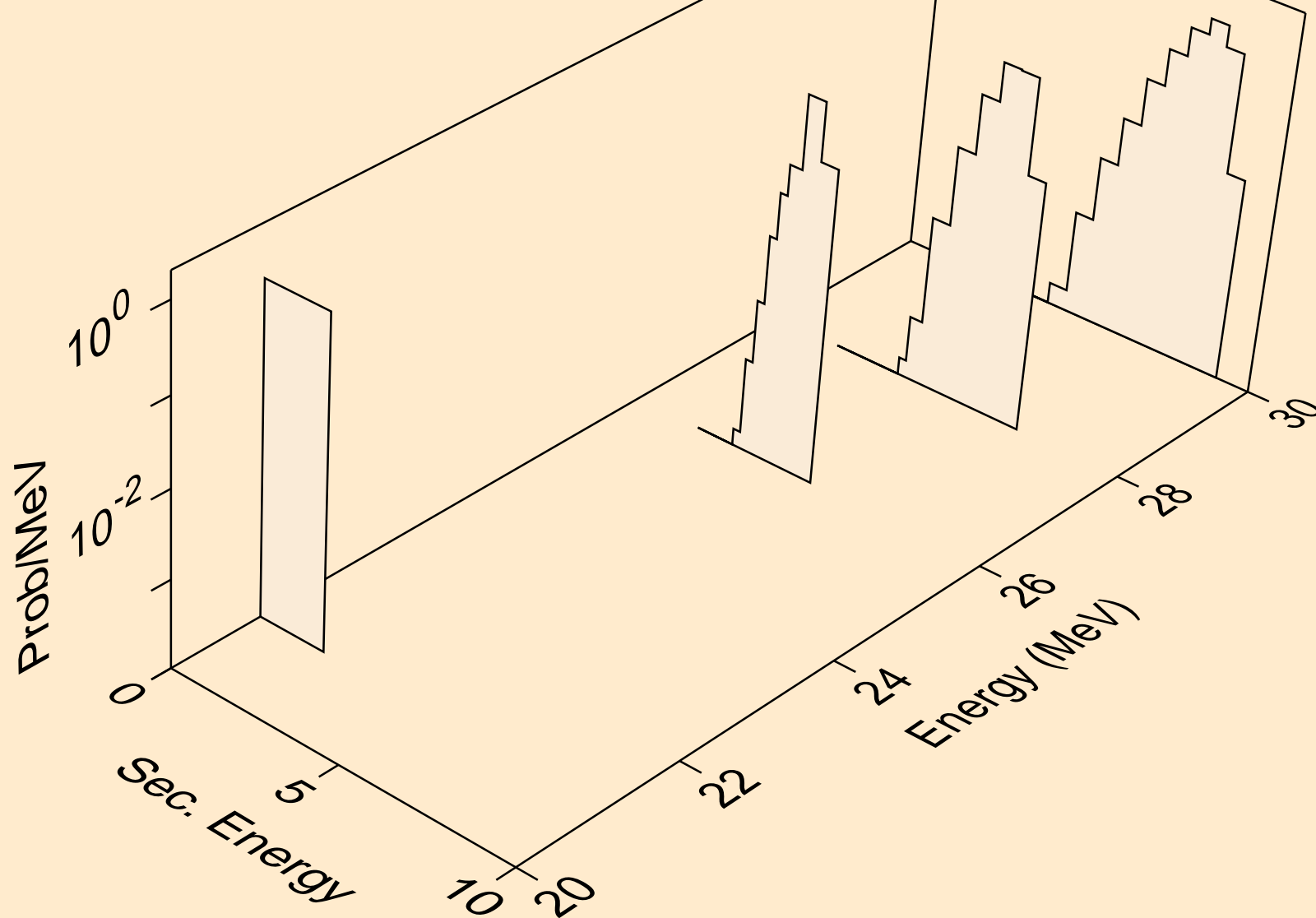




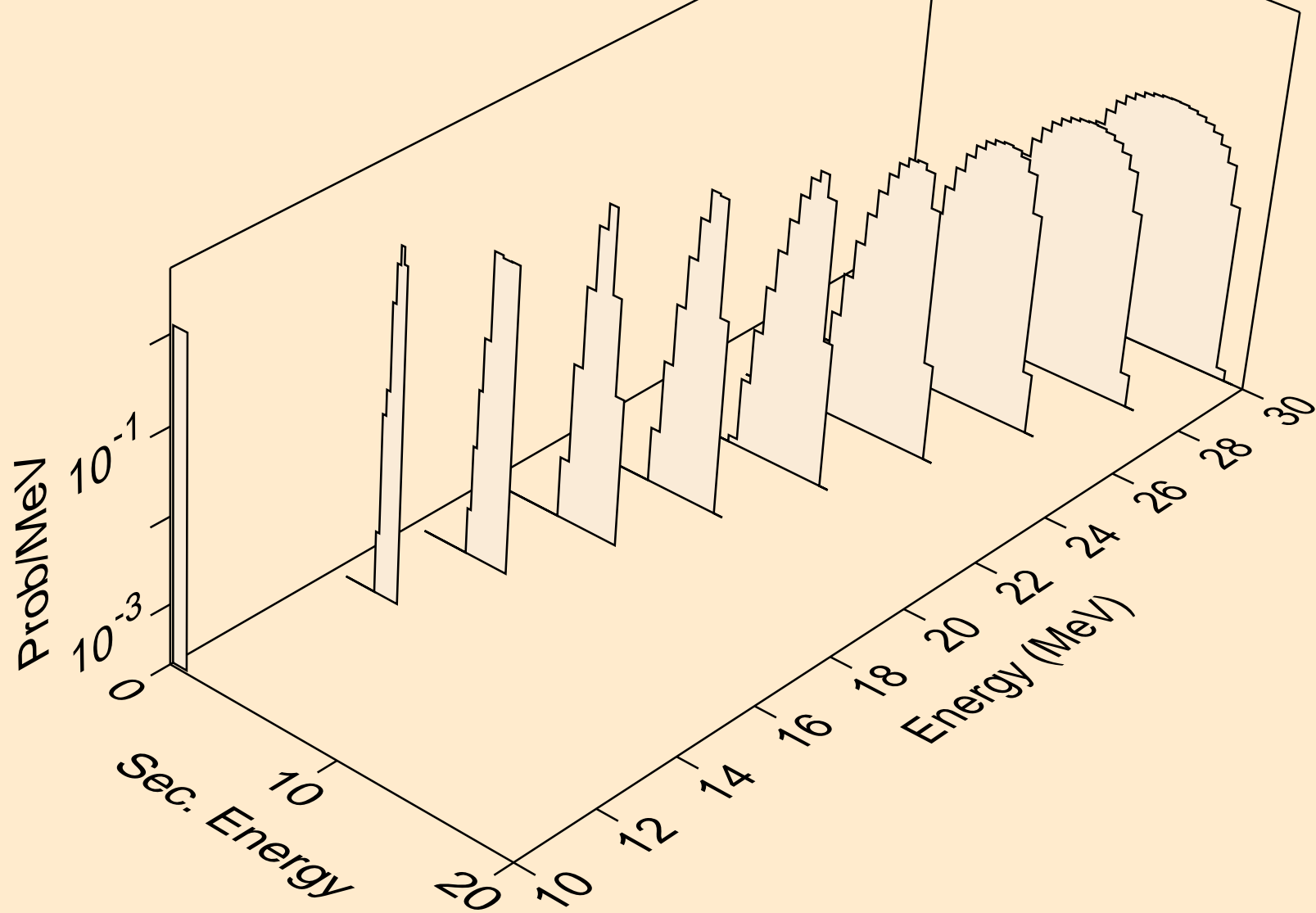
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tritons from (p,x)



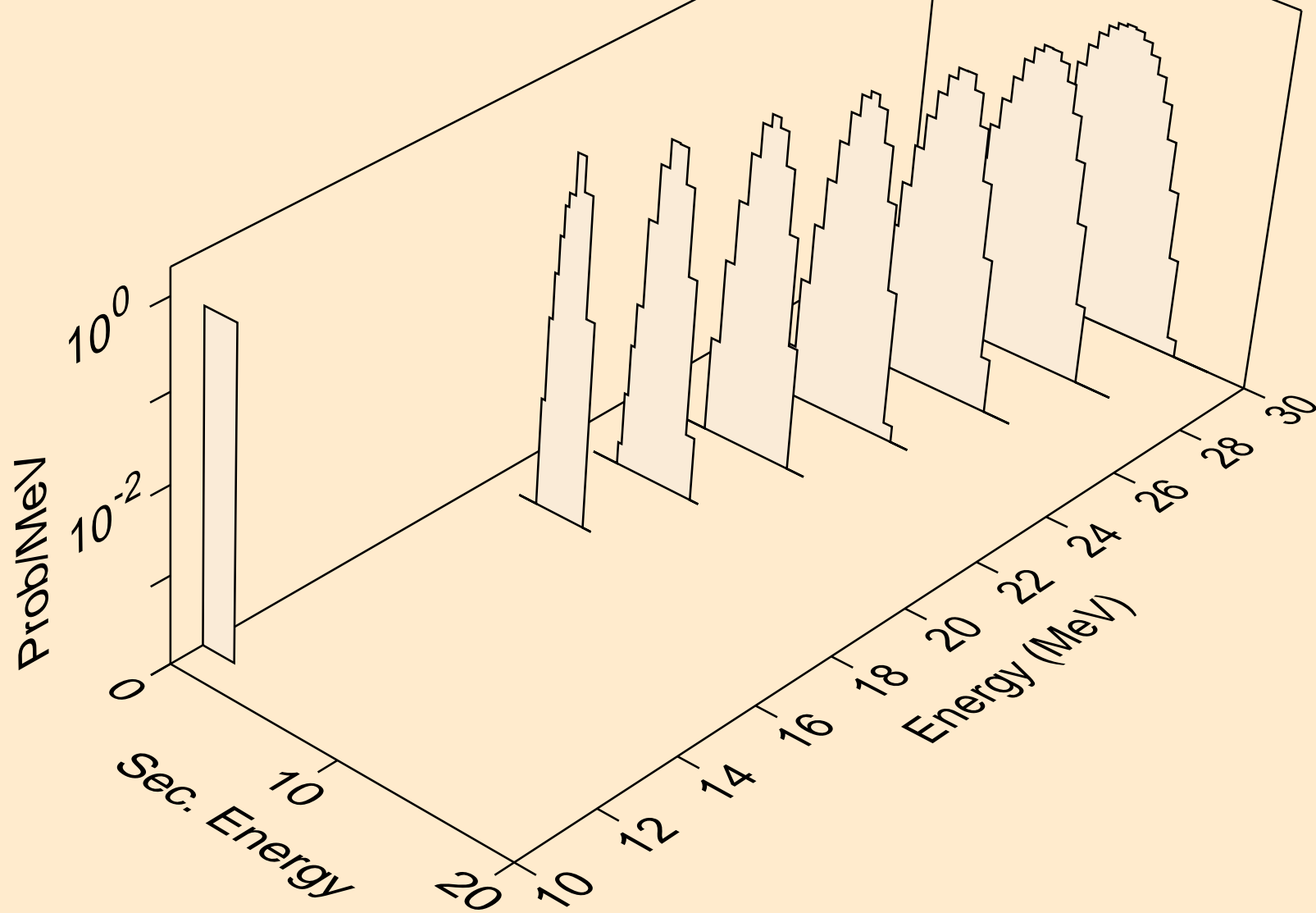
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tritons from (p,n\*)t



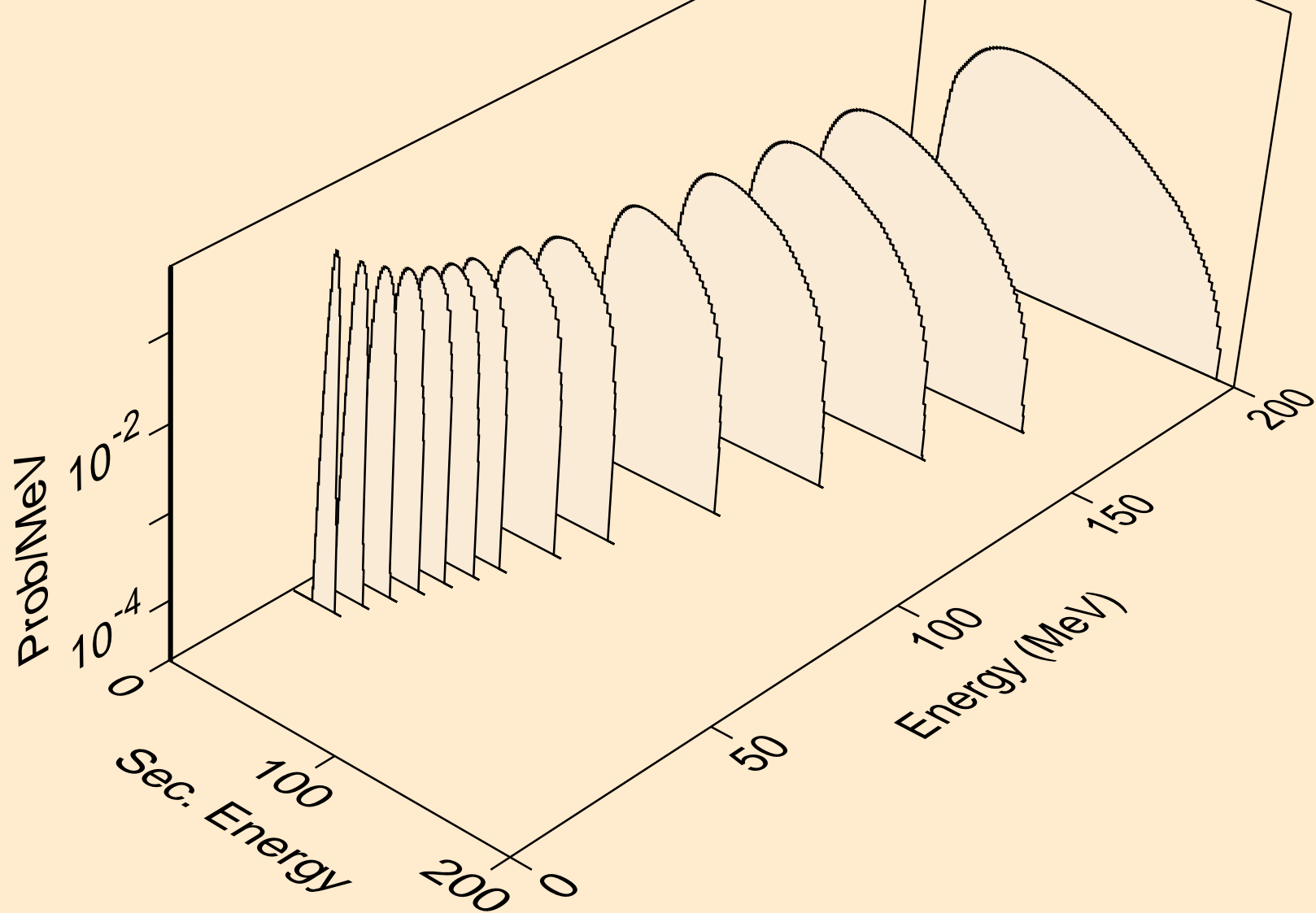
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tritons from (p,t)



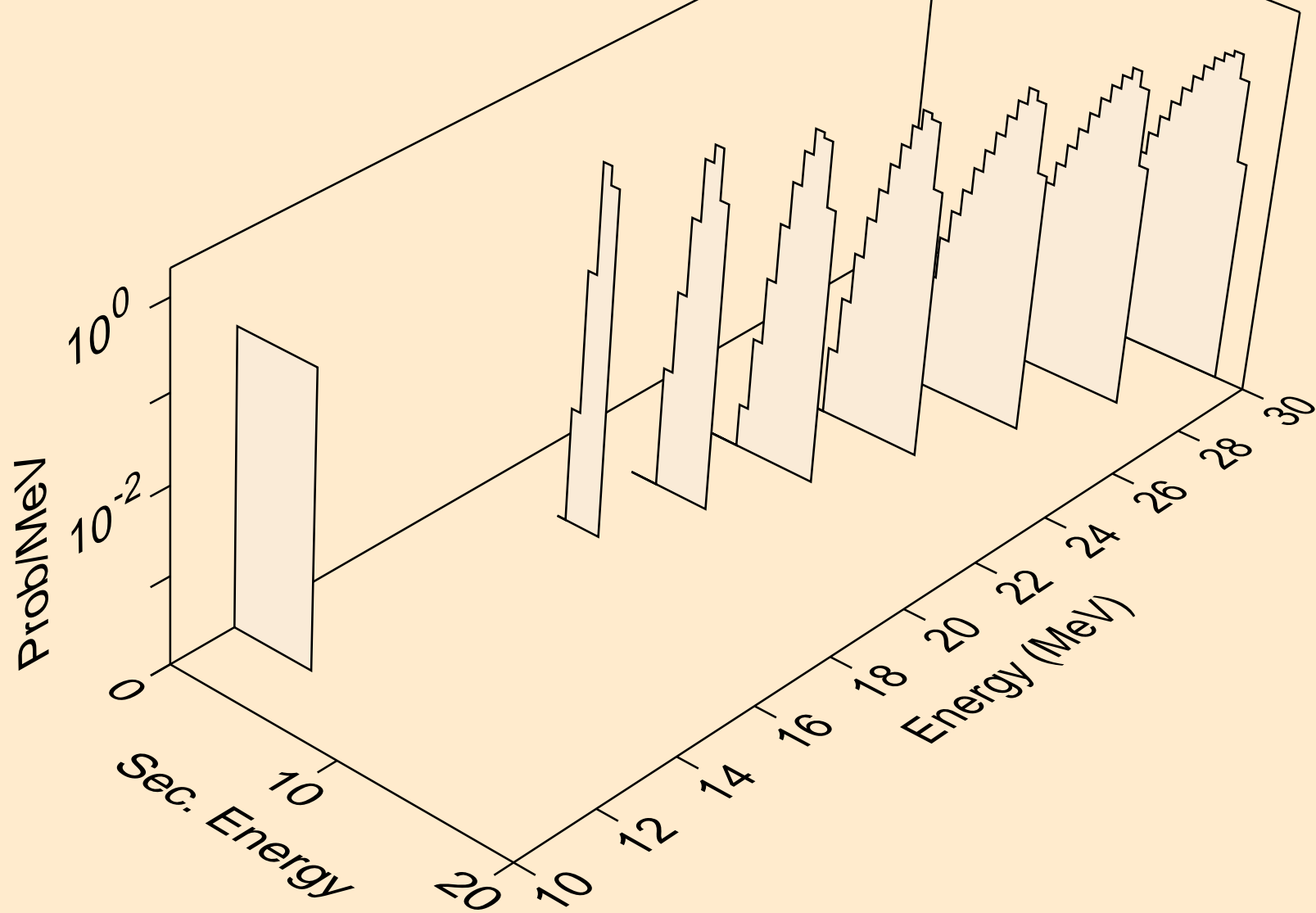
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tritons from (p,pt)



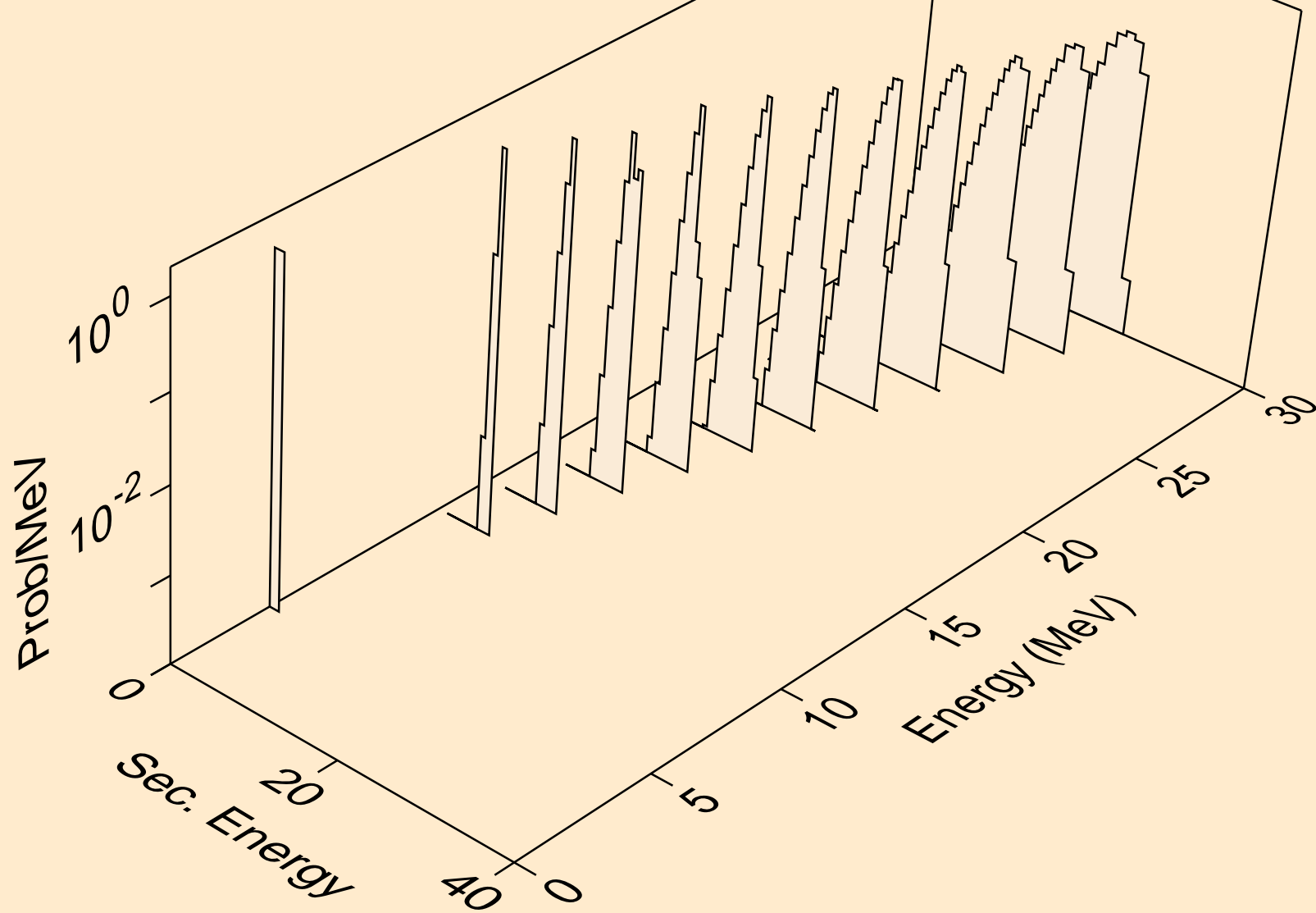
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he3s from (p,x)



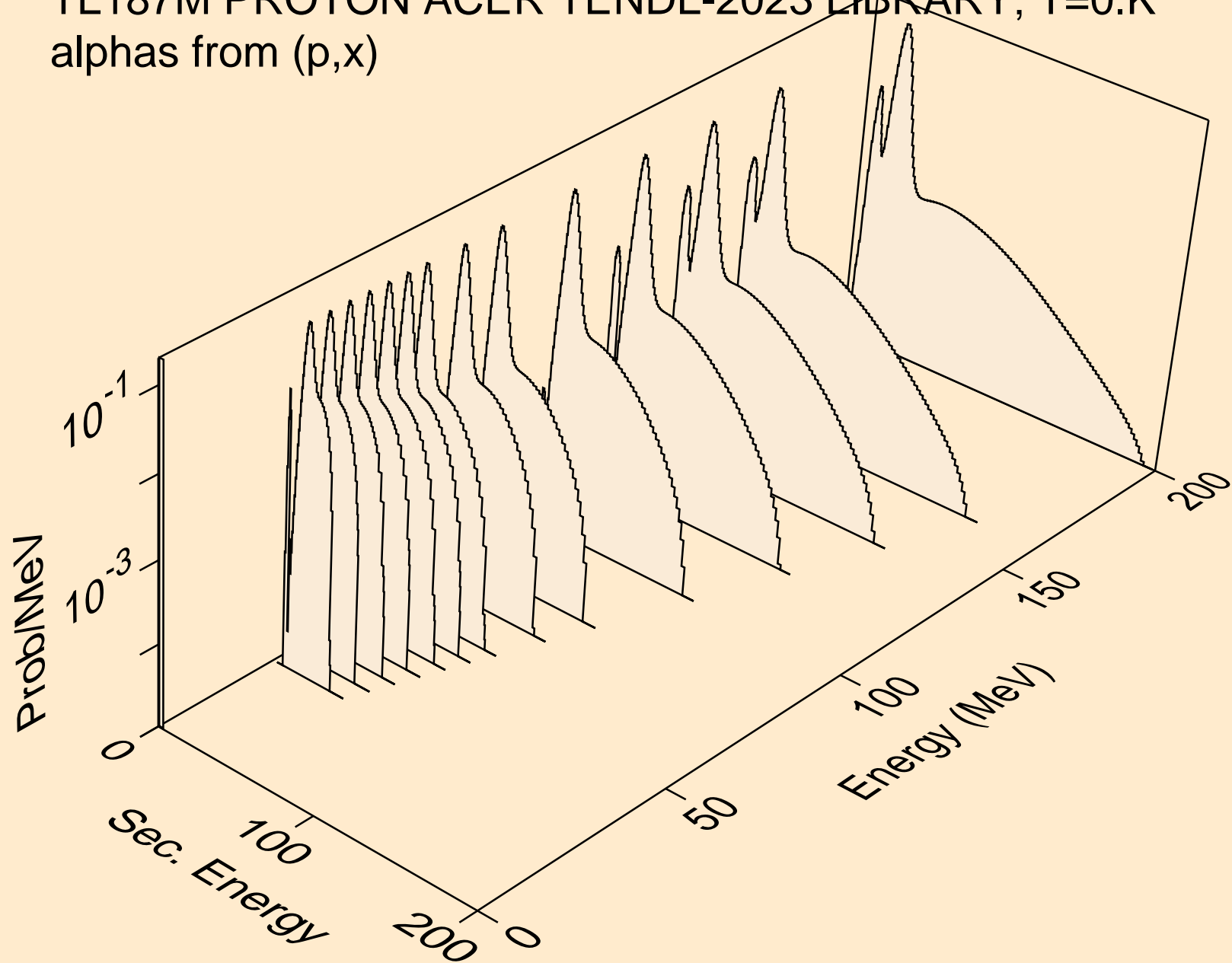
TL187M PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,n\*)he3



TL187M PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,he3)

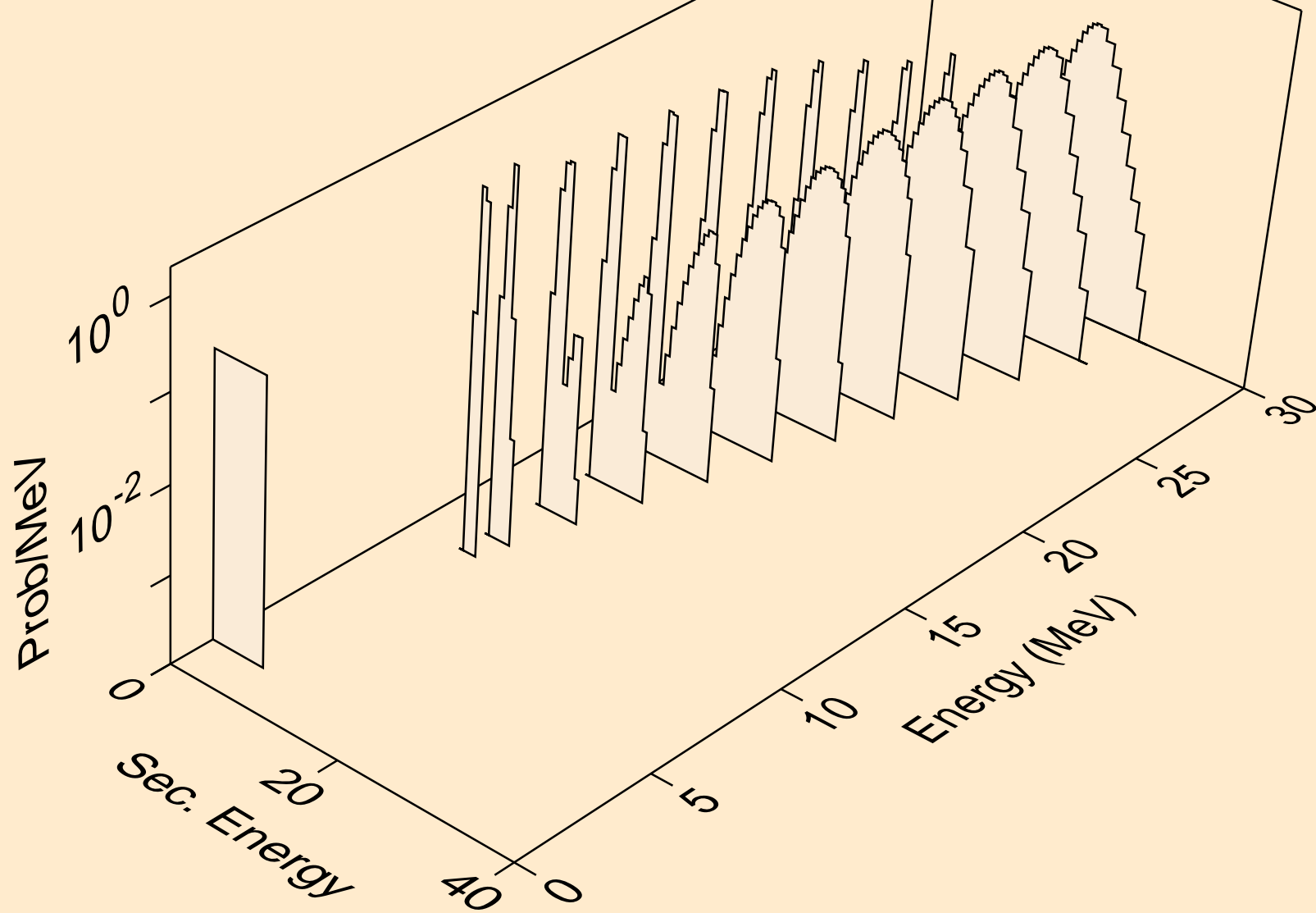


TL187M PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)

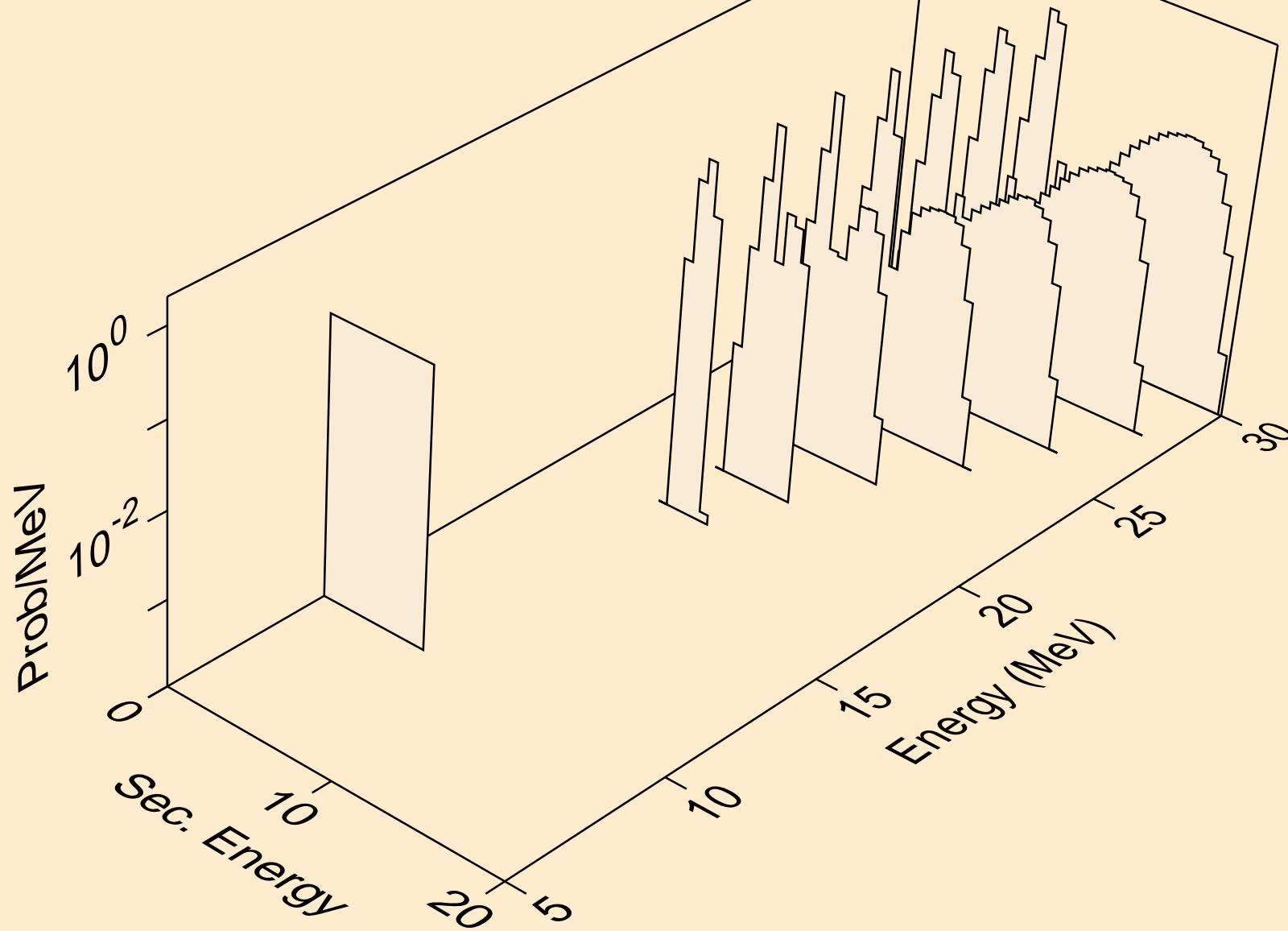




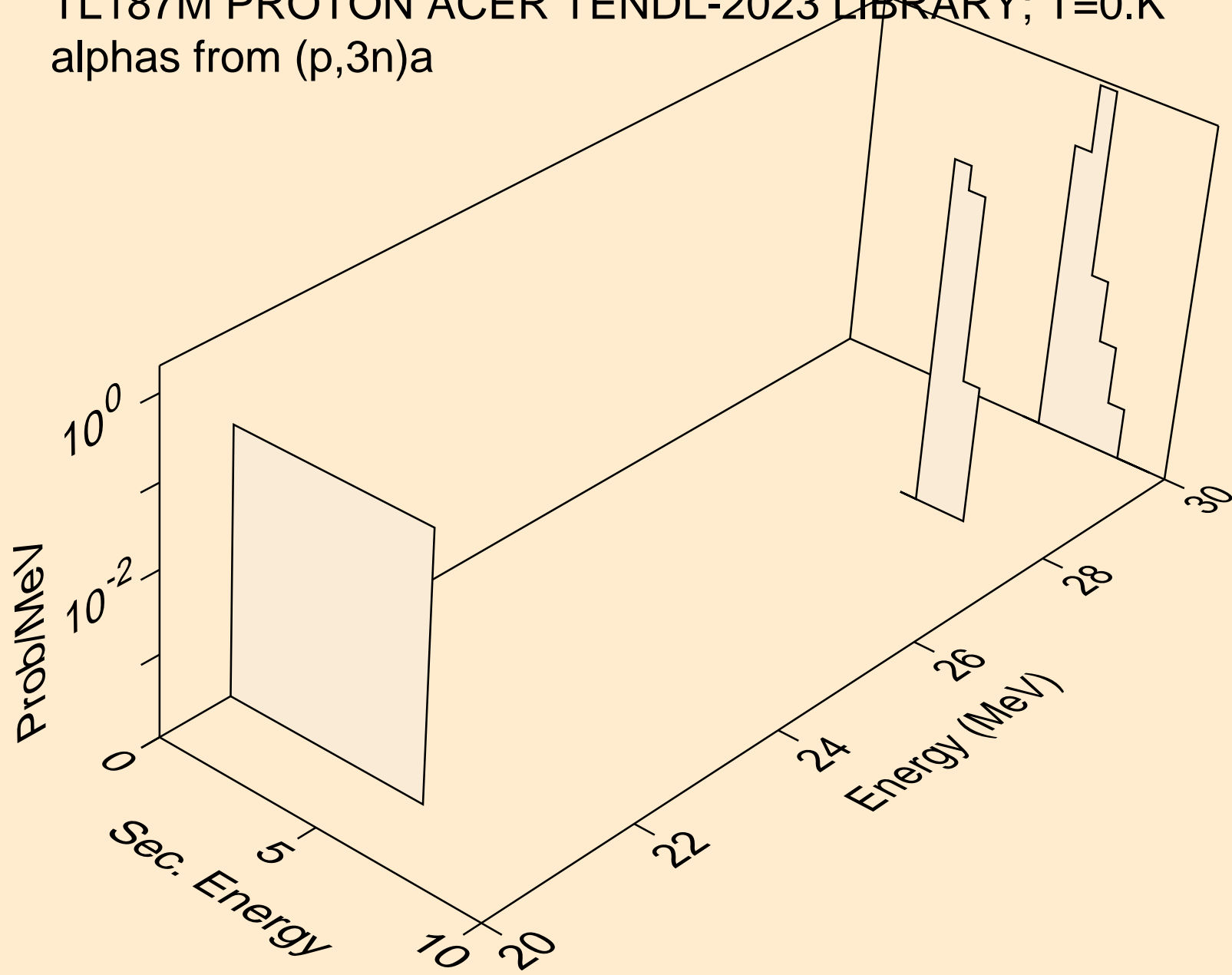
TL187M PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a



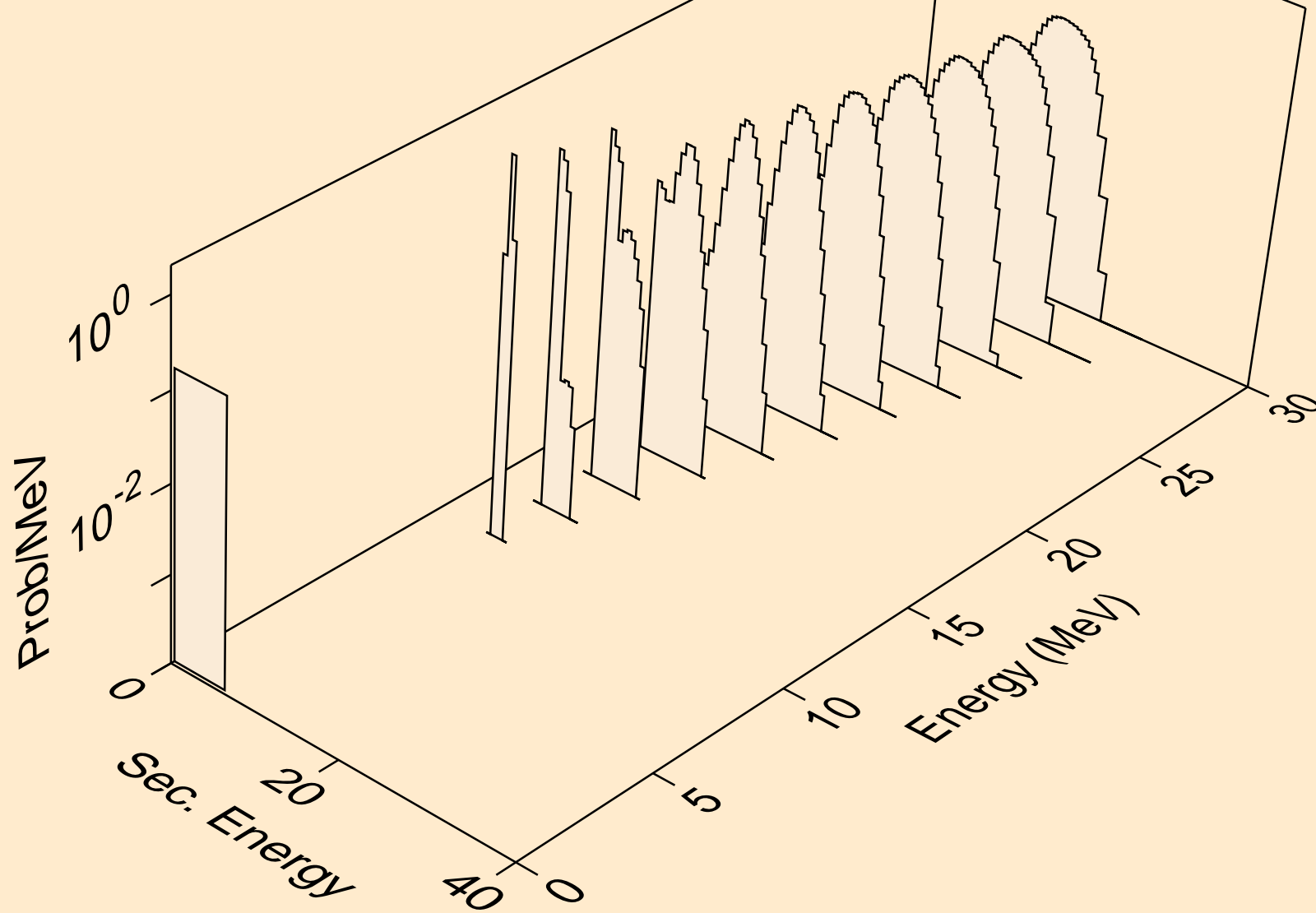
TL187M PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)a



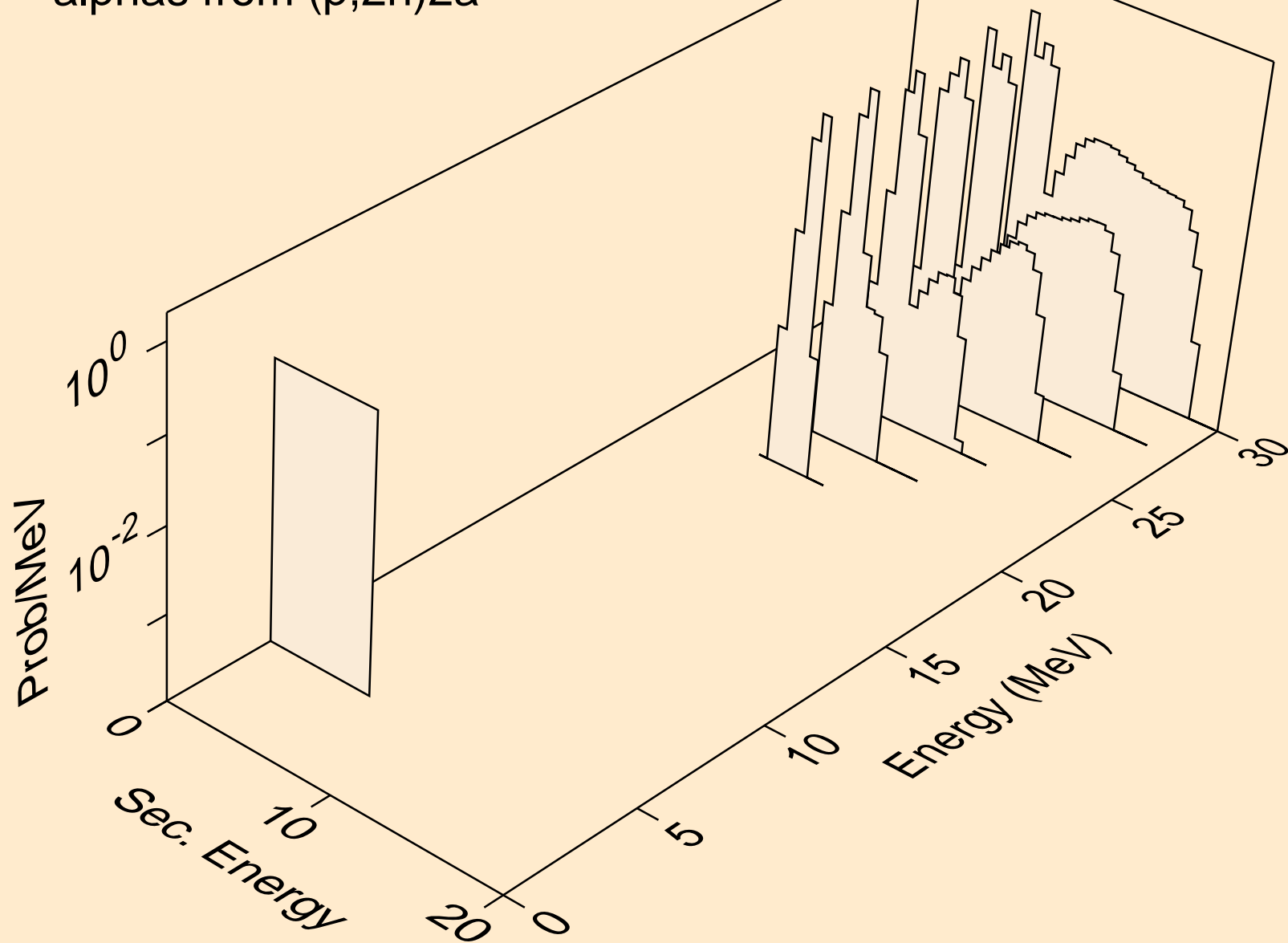
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alphas from (p,3n)a



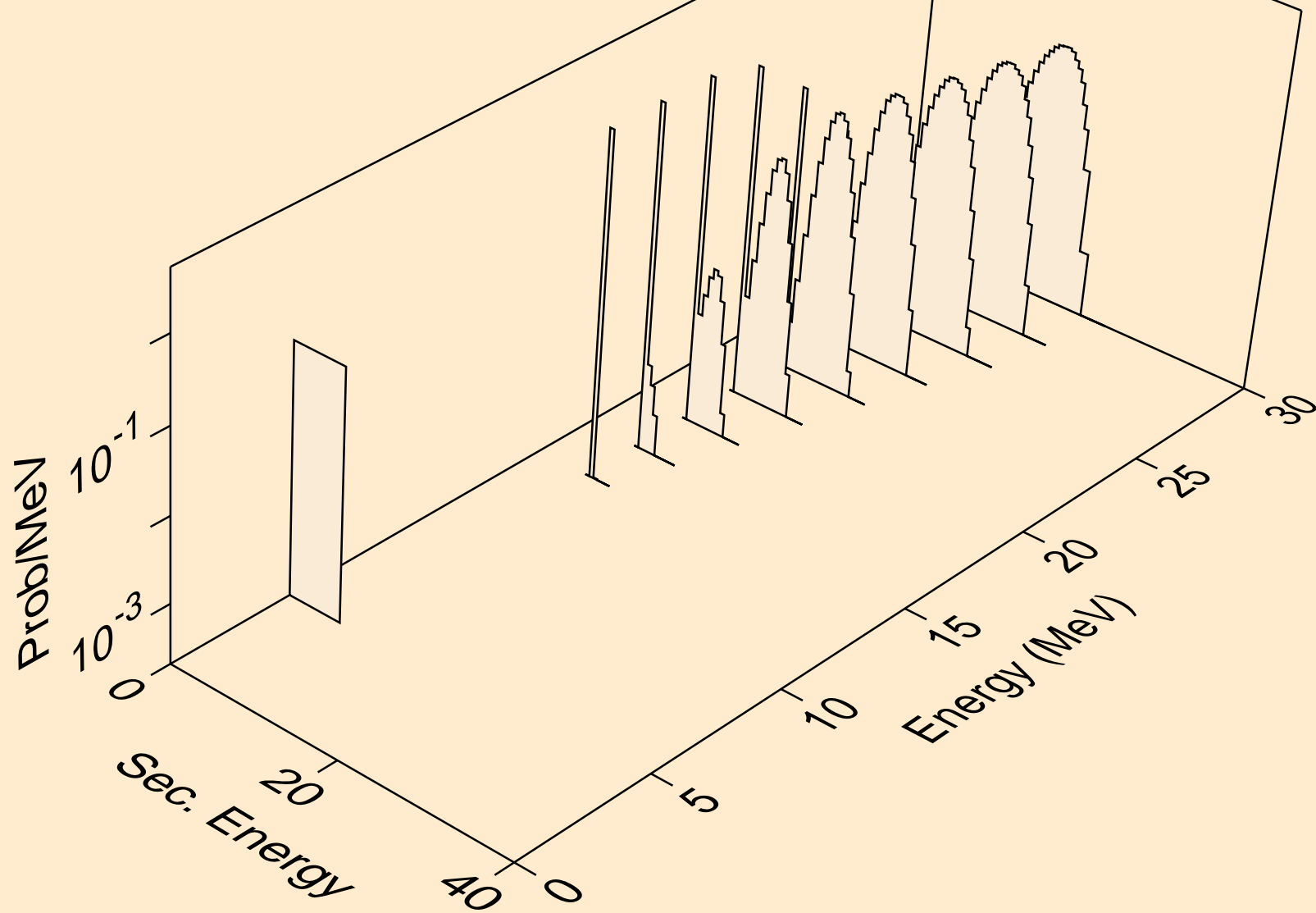
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alphas from (p,n\*)2a



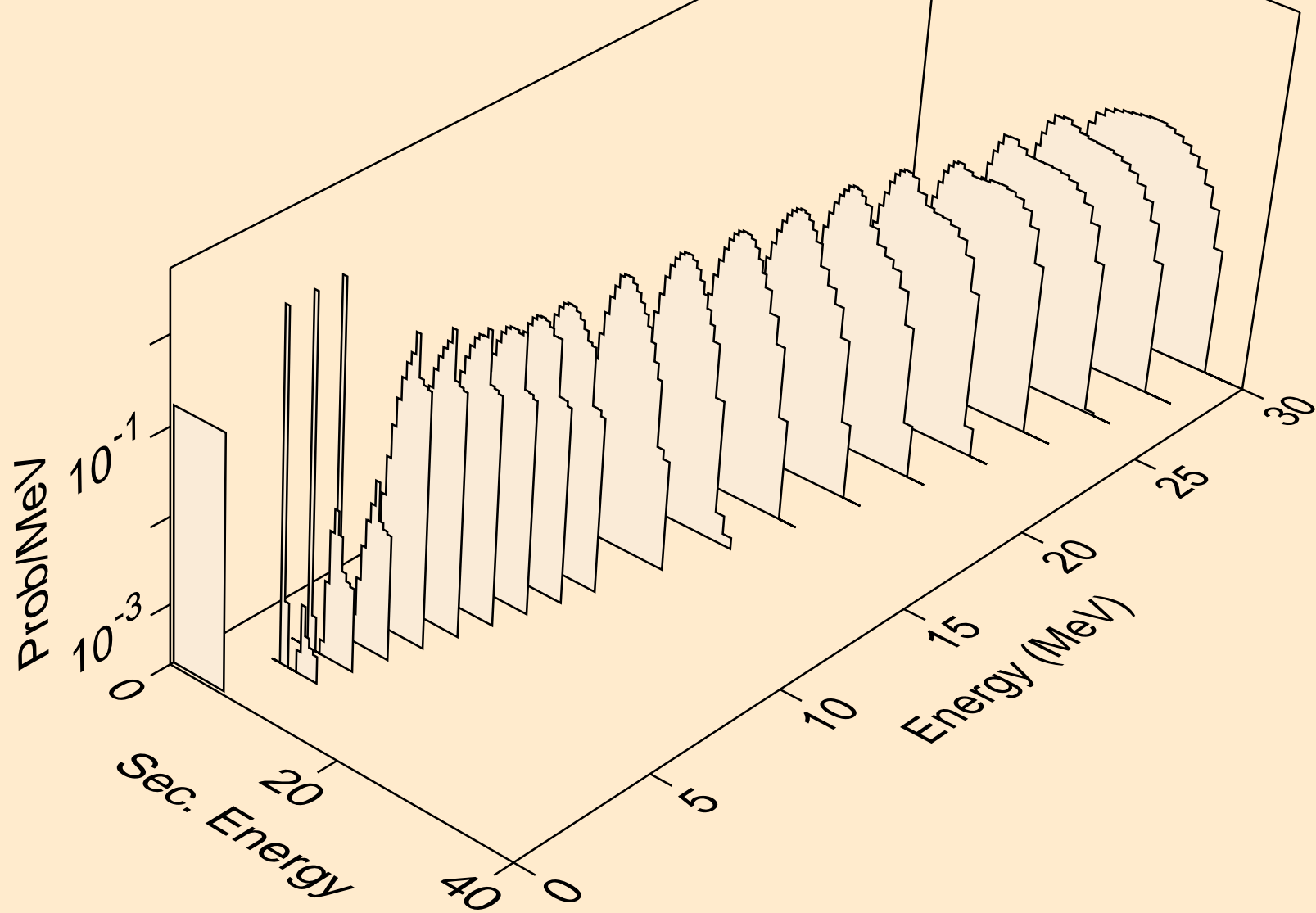
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alphas from (p,2n)2a



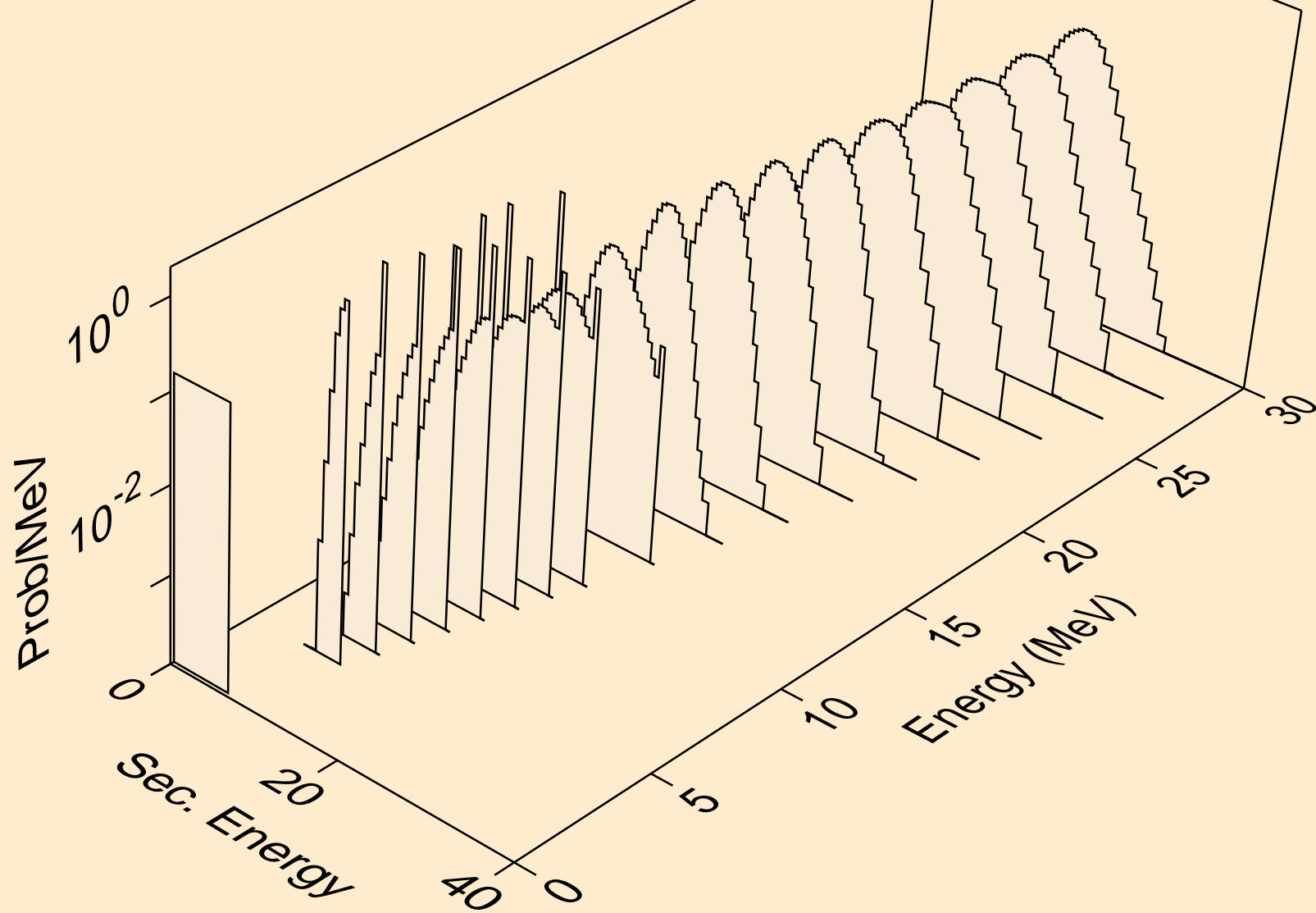
TL187M PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,npa)



TL187M PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,a)

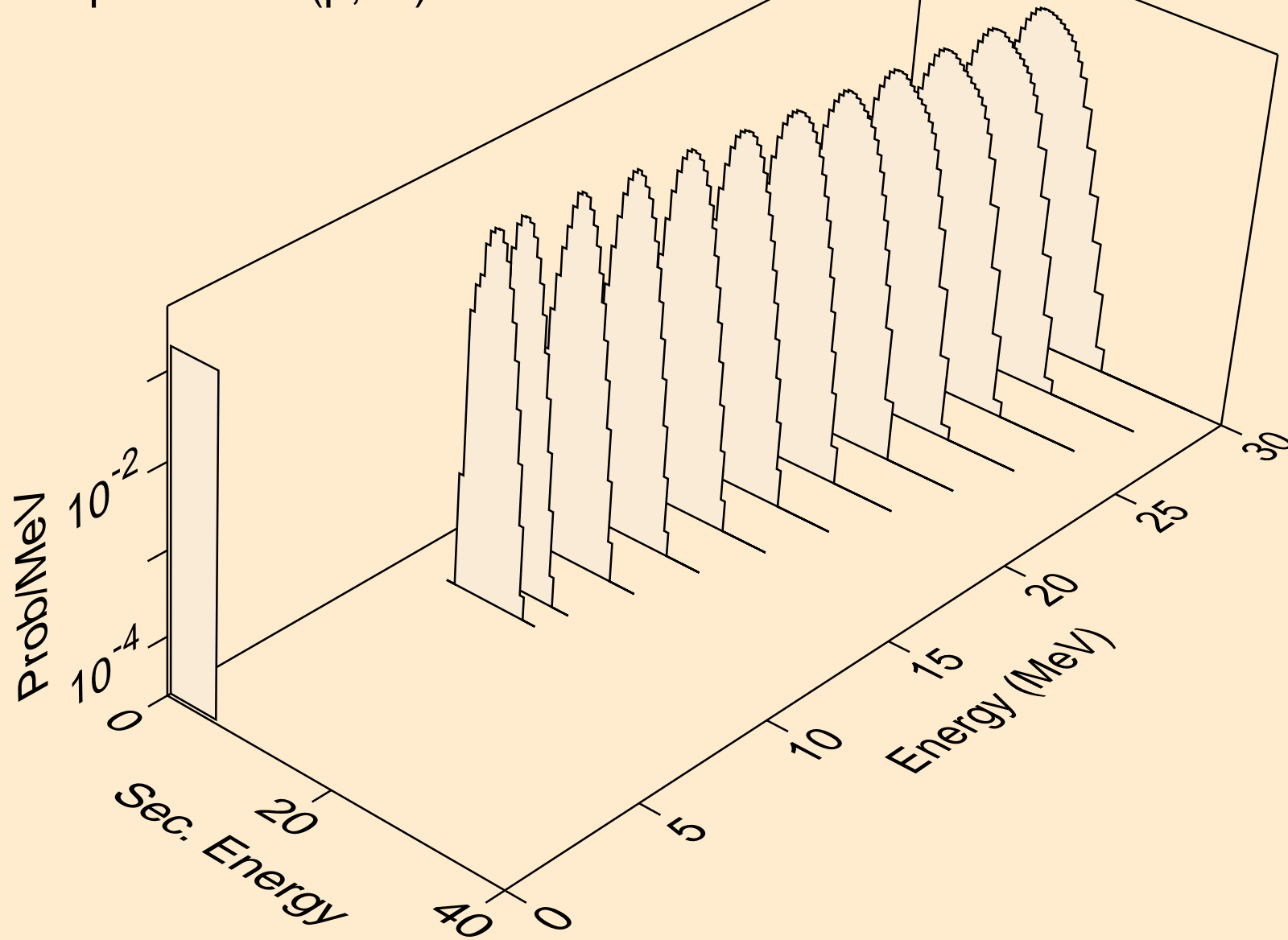


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alphas from (p,2a)

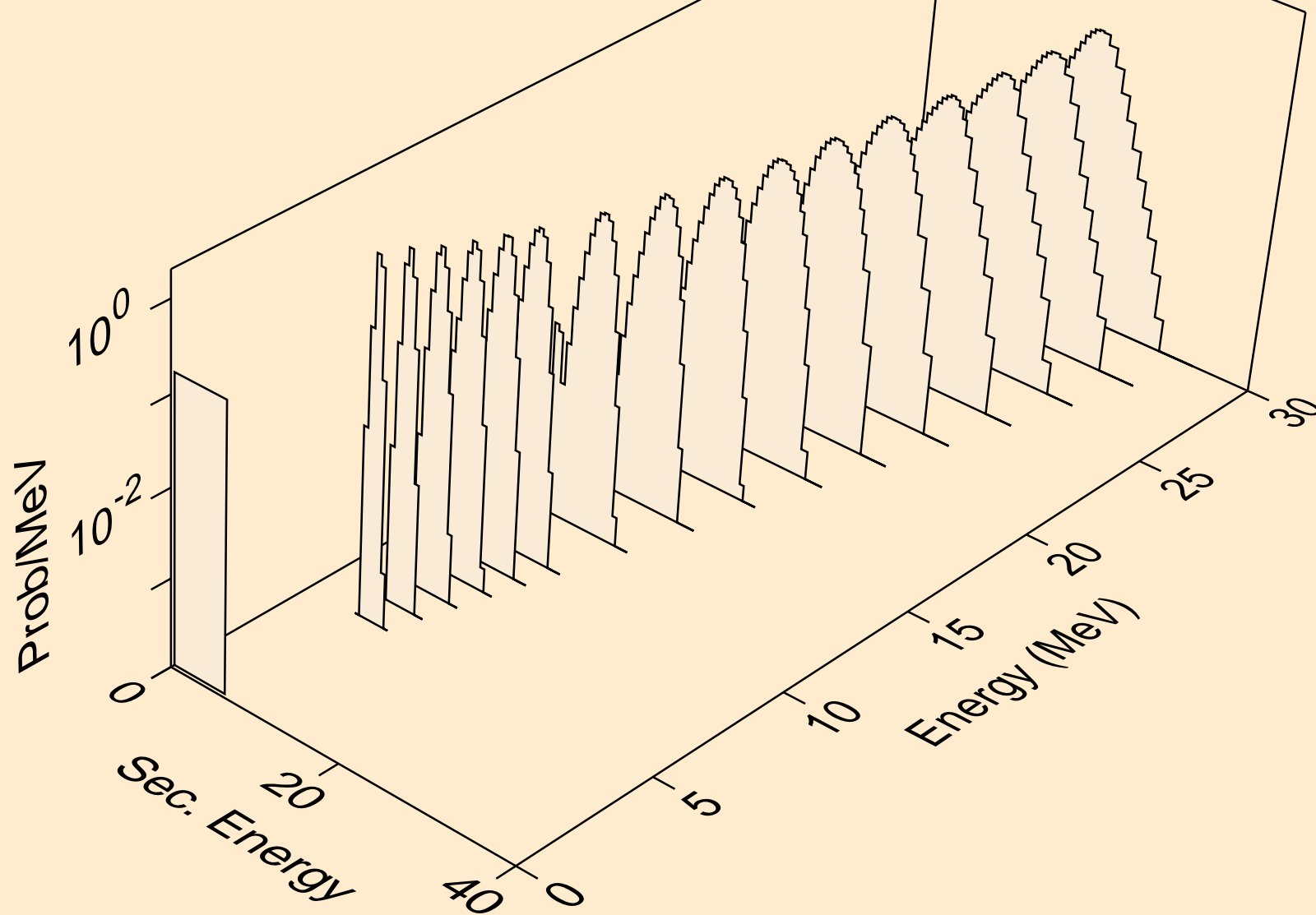




TL187M PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,3a)



TL187M PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,pa)



TL187M PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,da)

