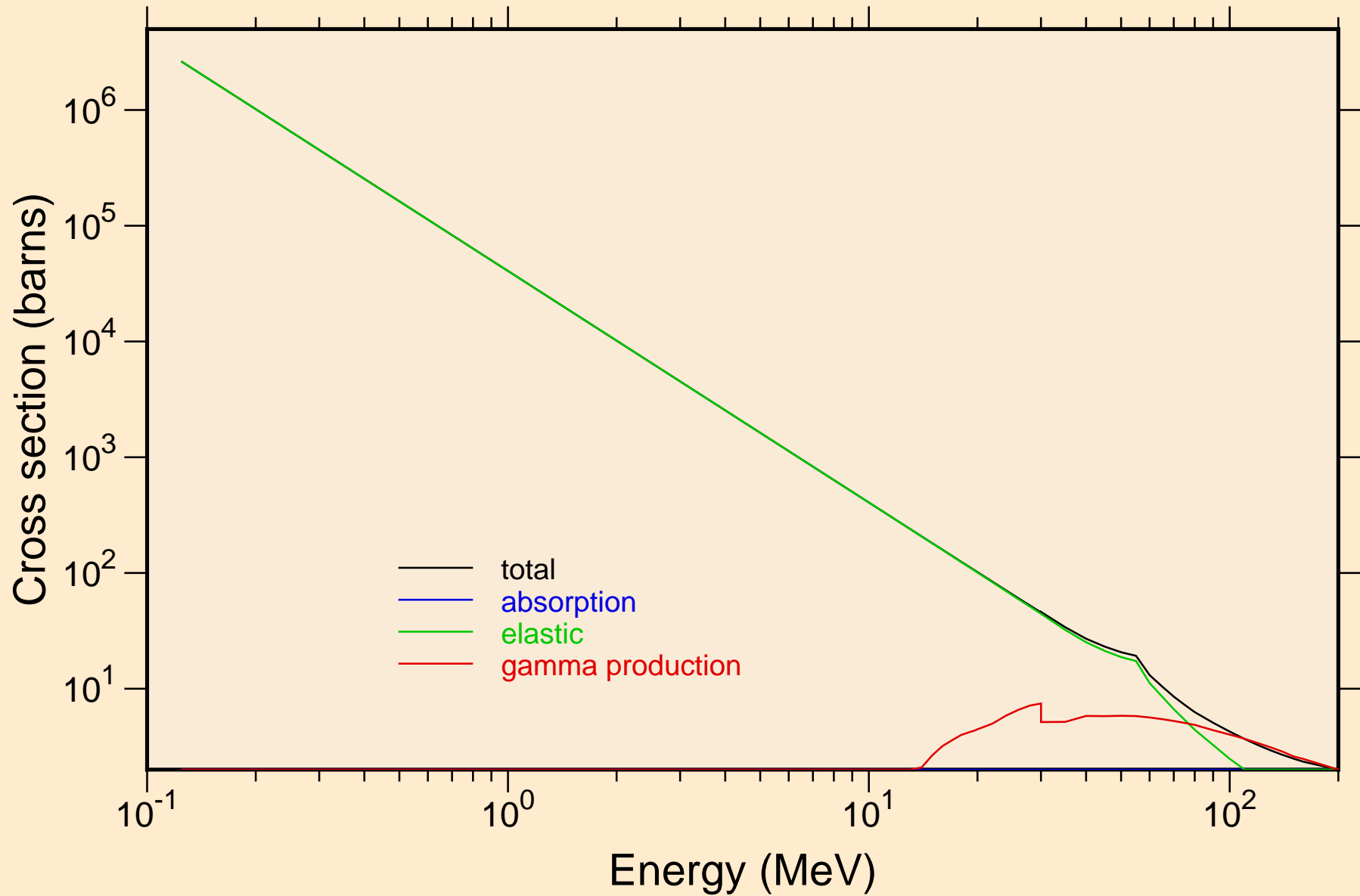
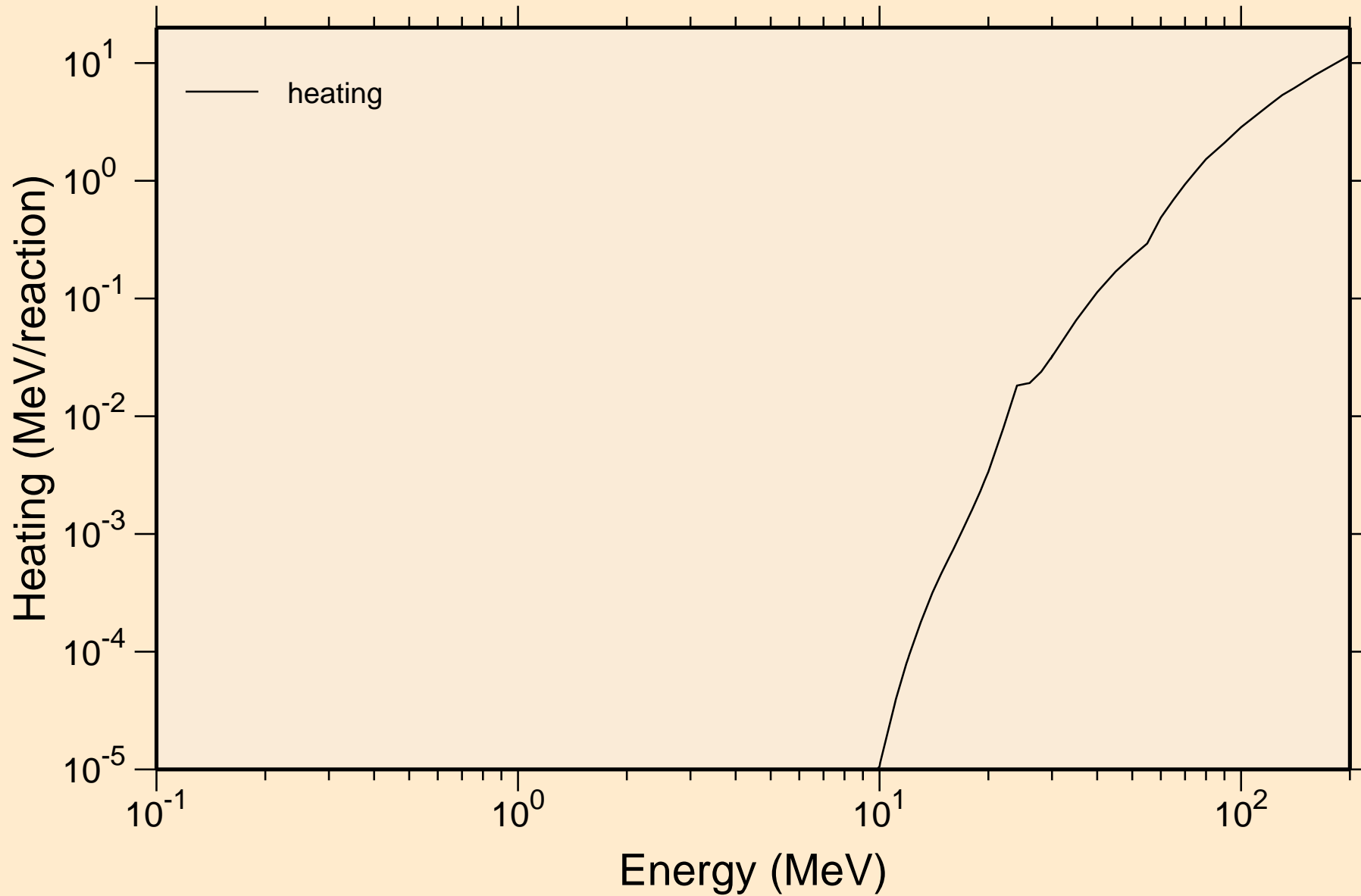


TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Principal cross sections

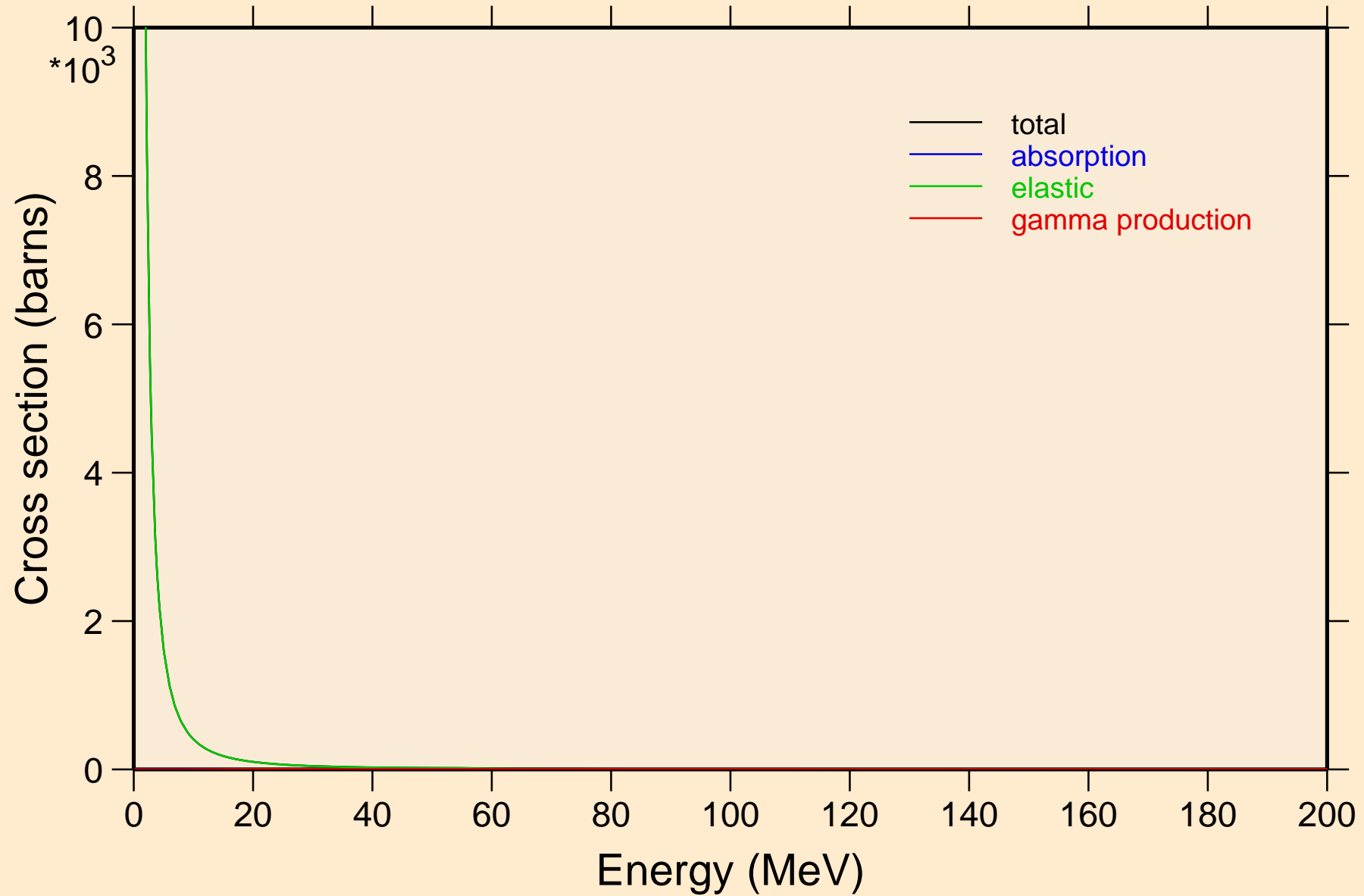


TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Heating



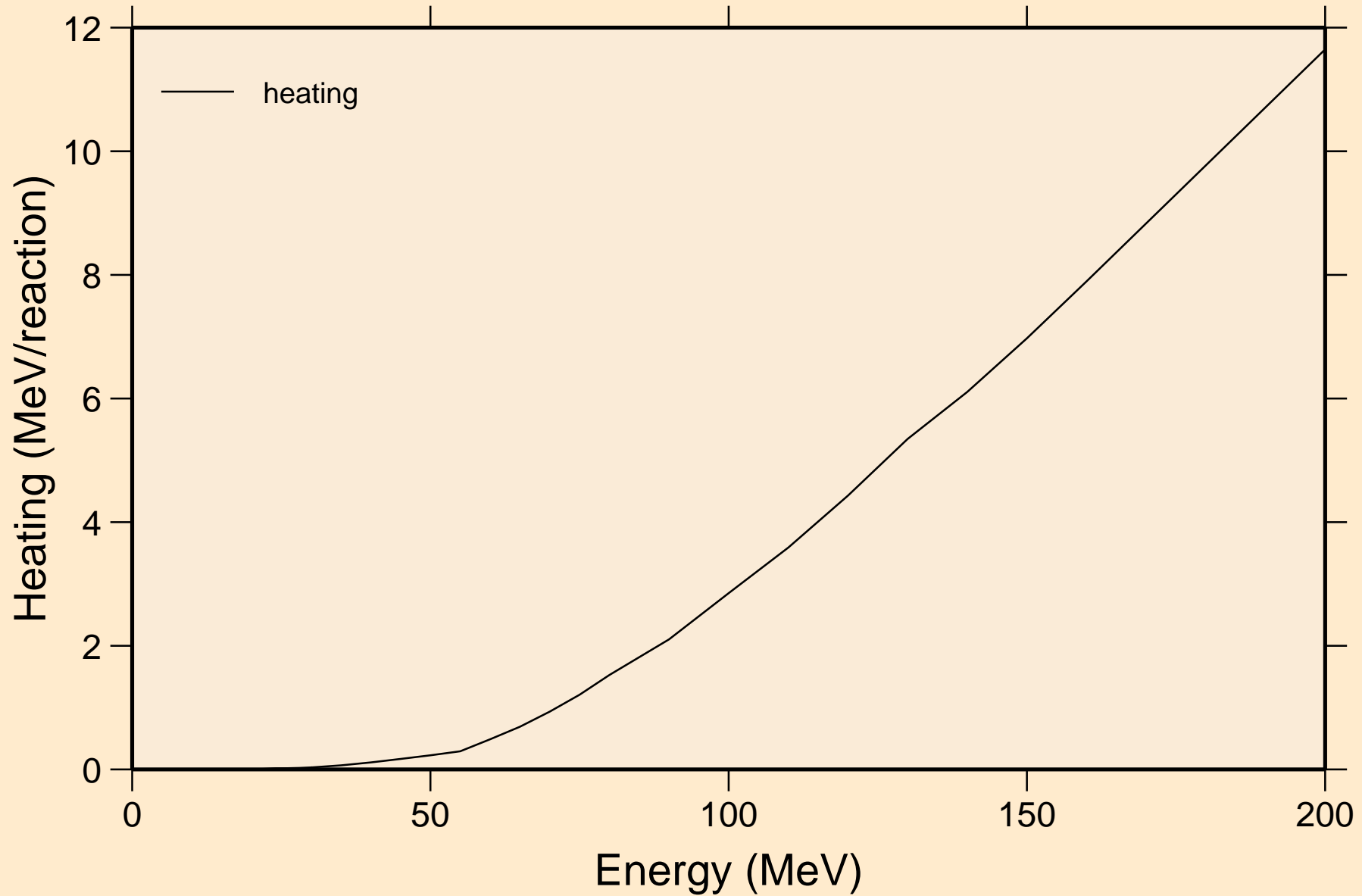
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## Principal cross sections

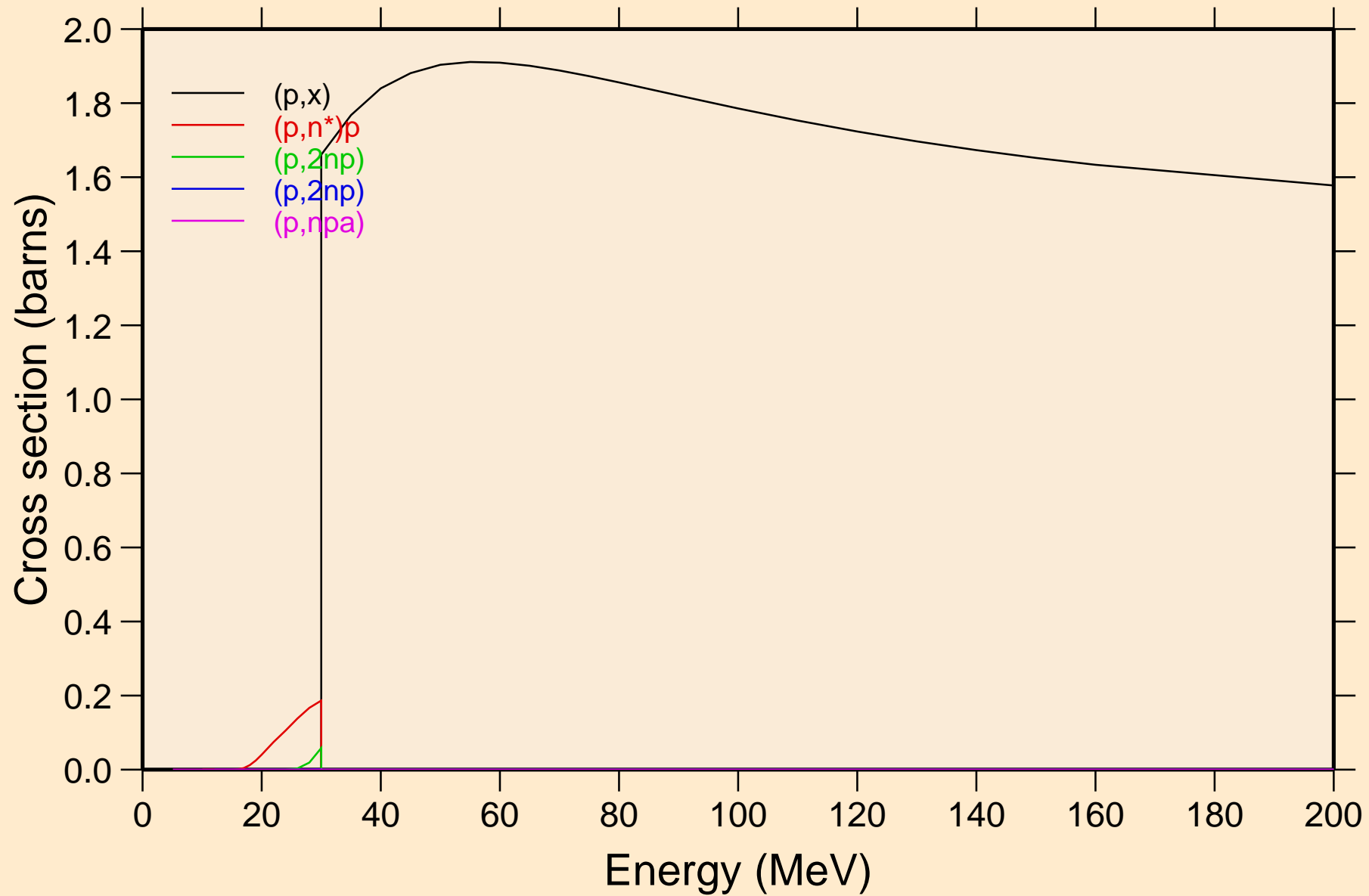


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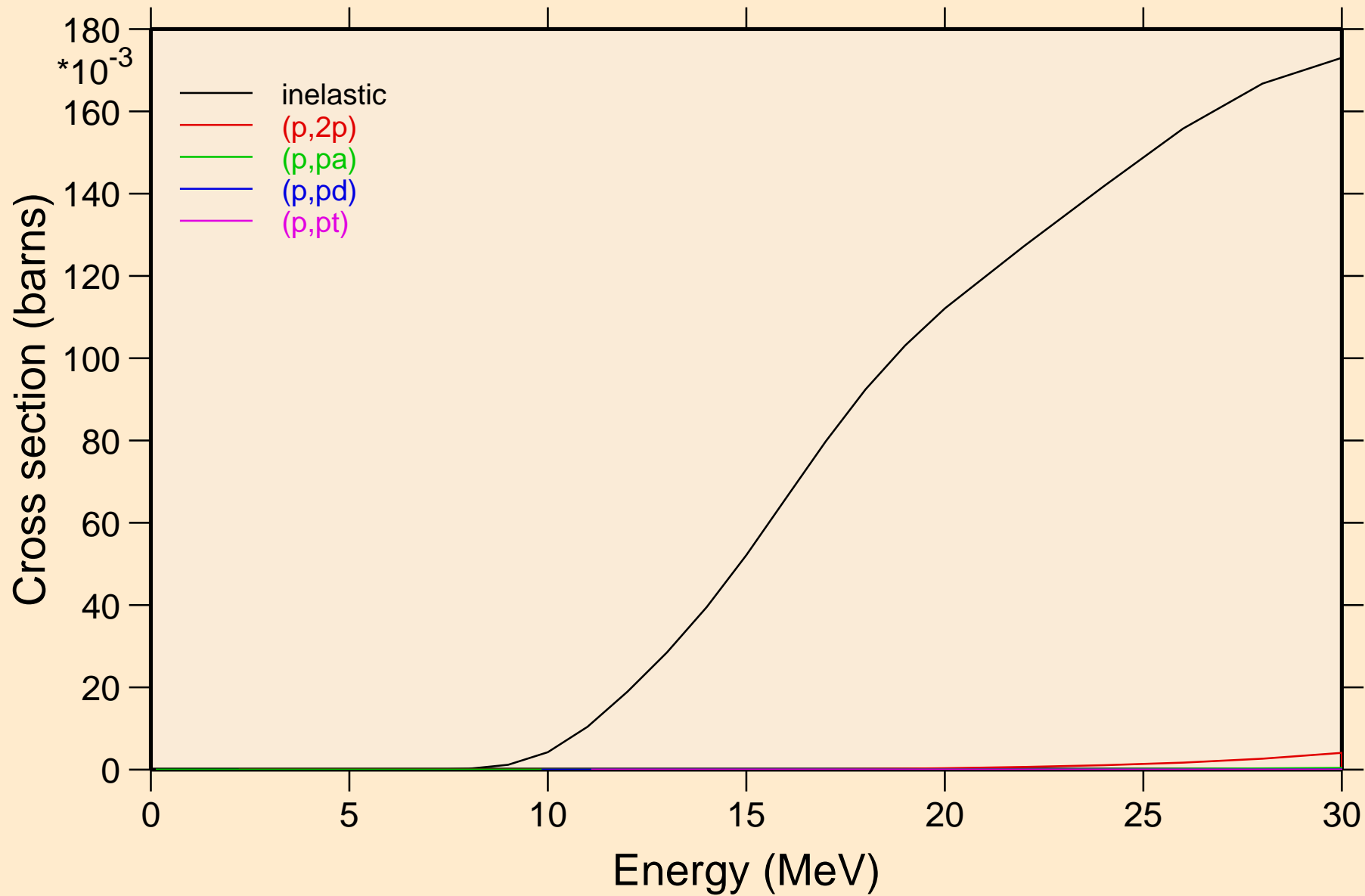
Heating



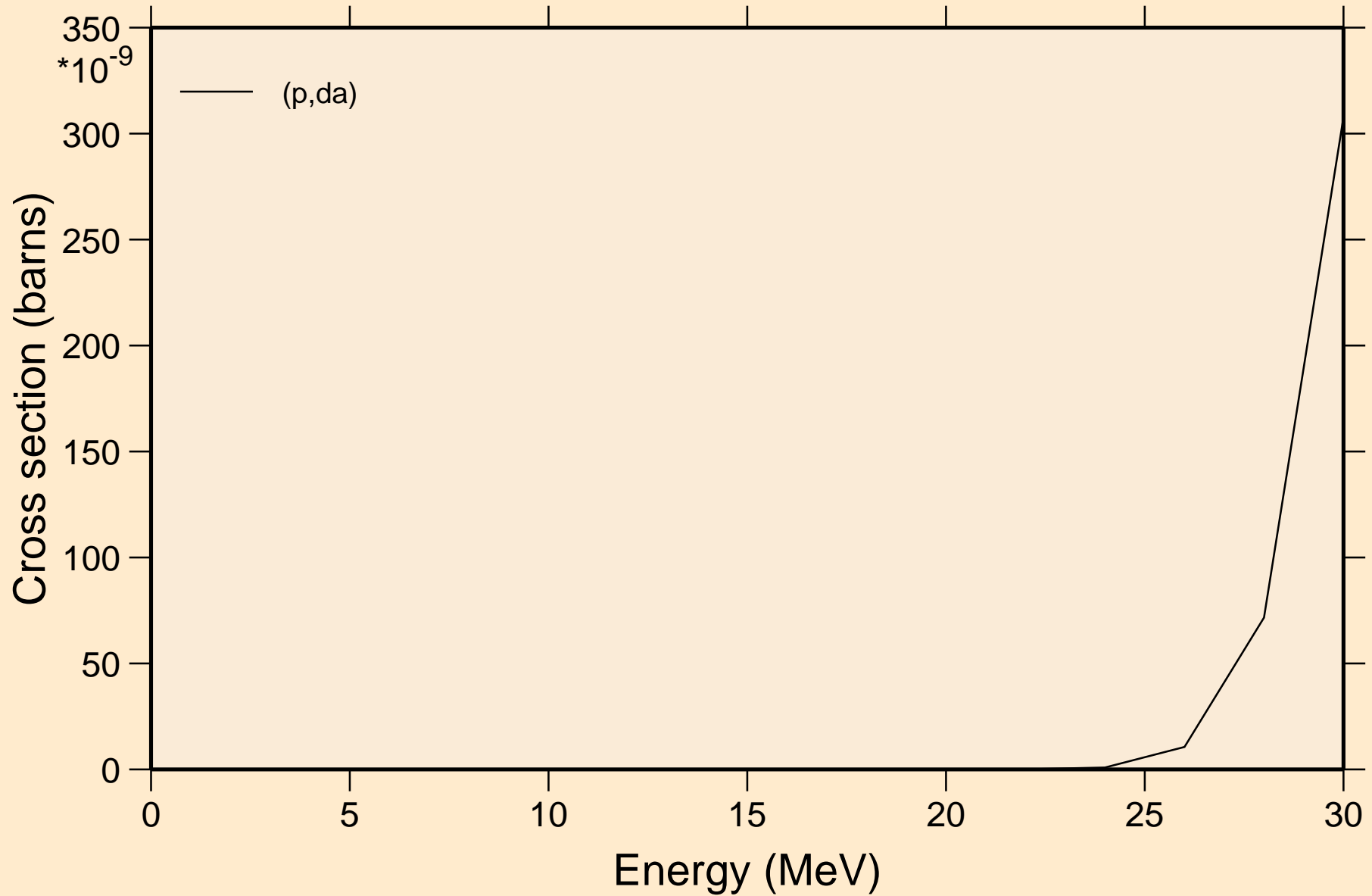
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Threshold reactions



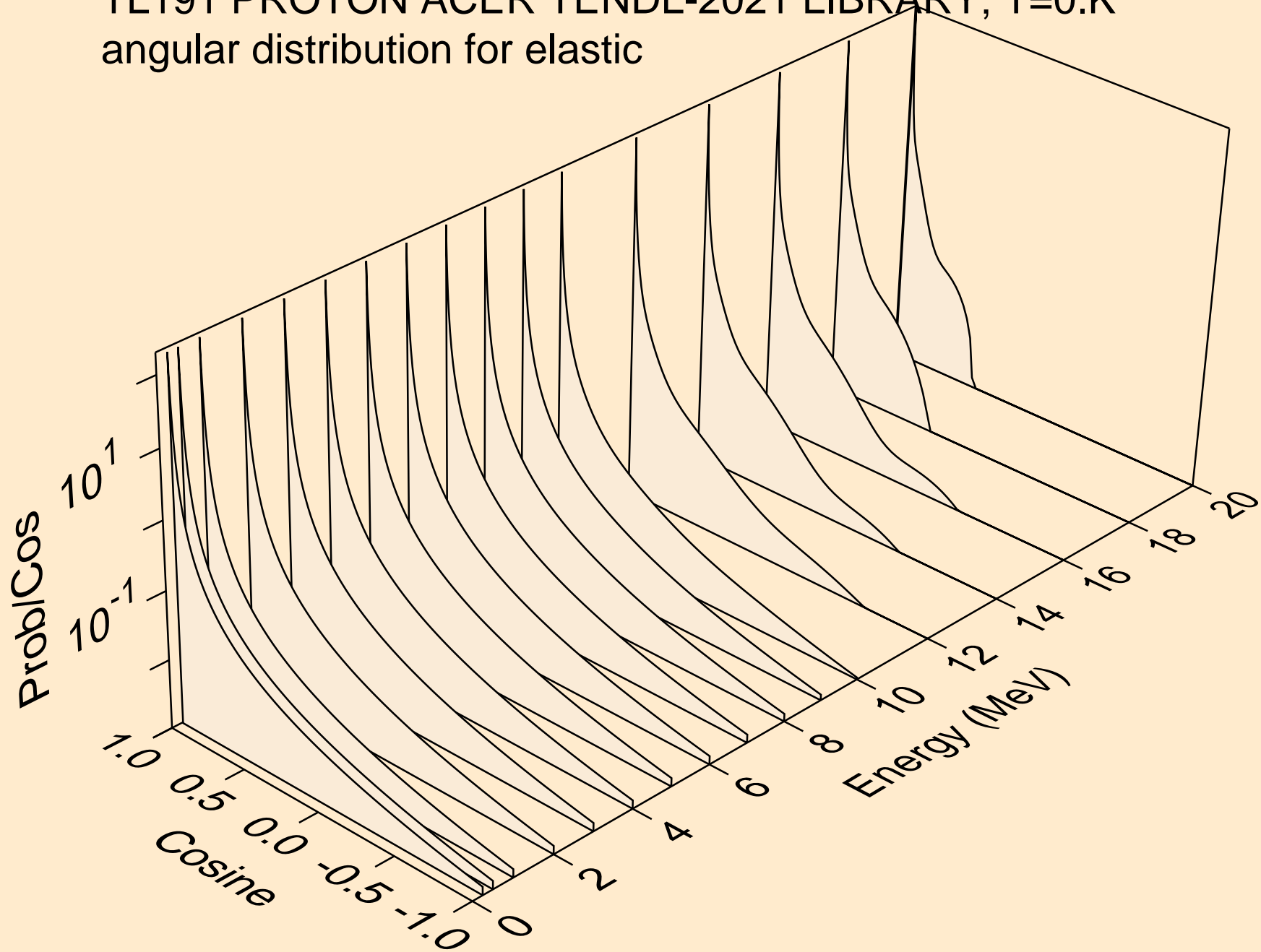
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Threshold reactions



TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

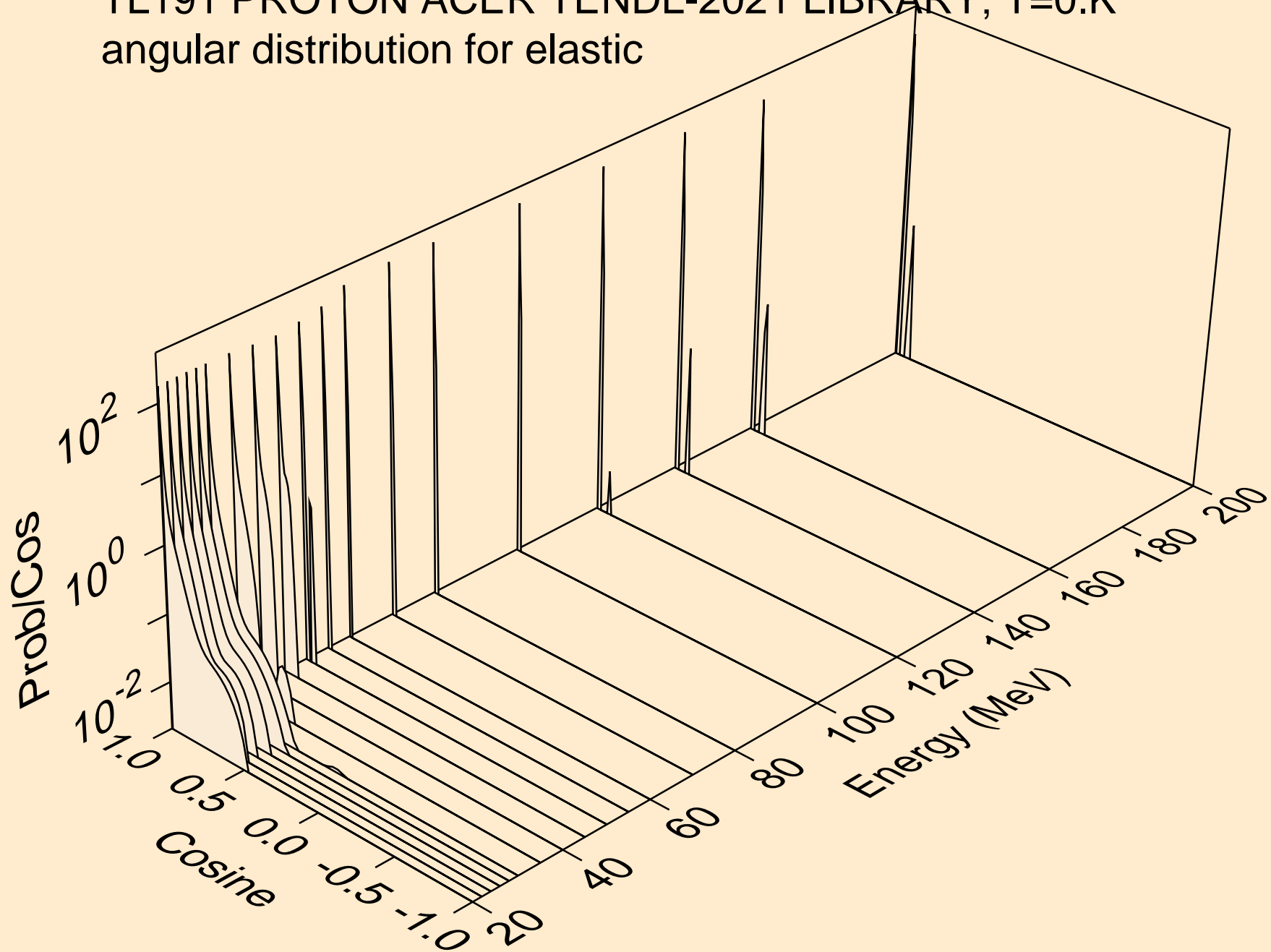


TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic

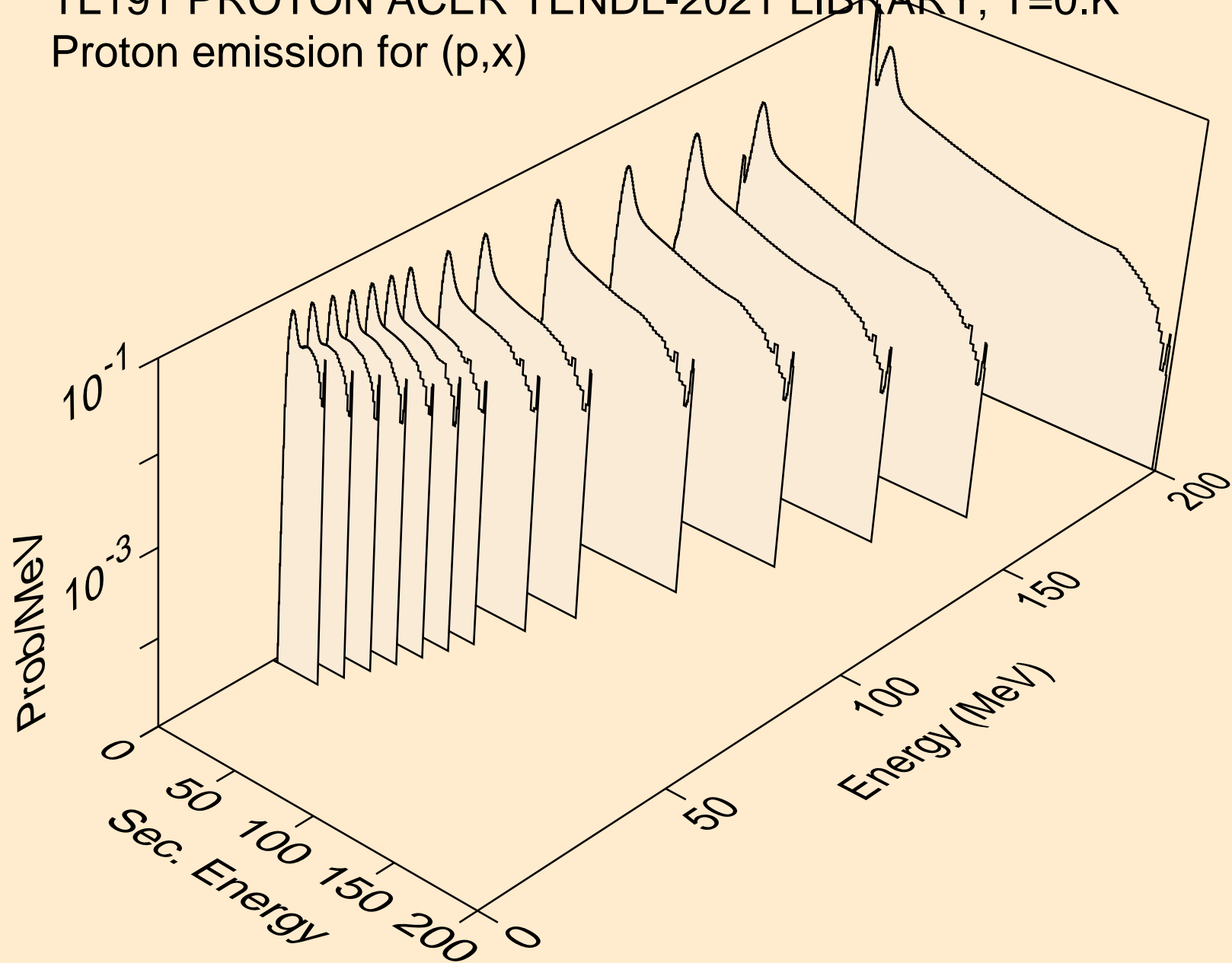




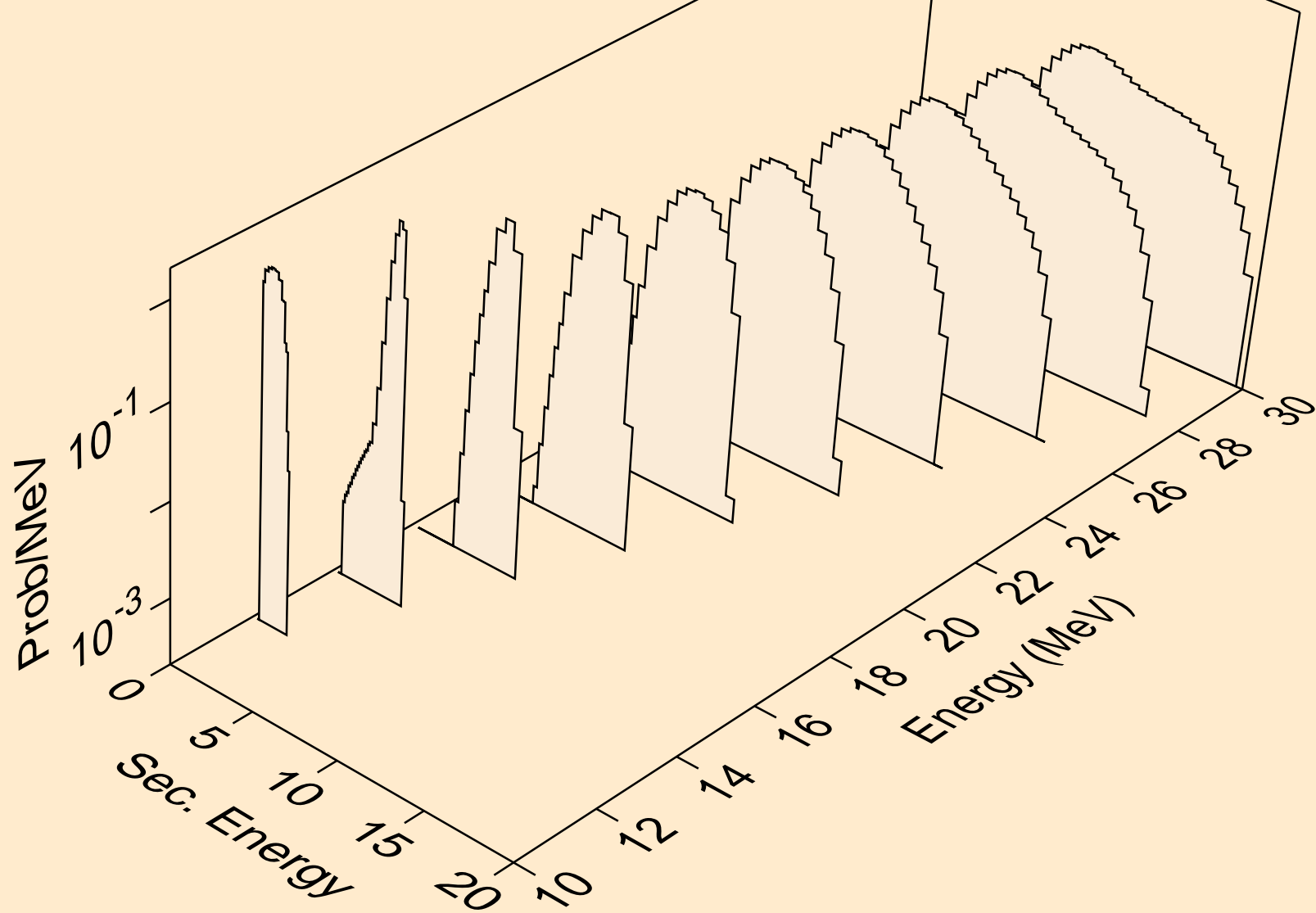
TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



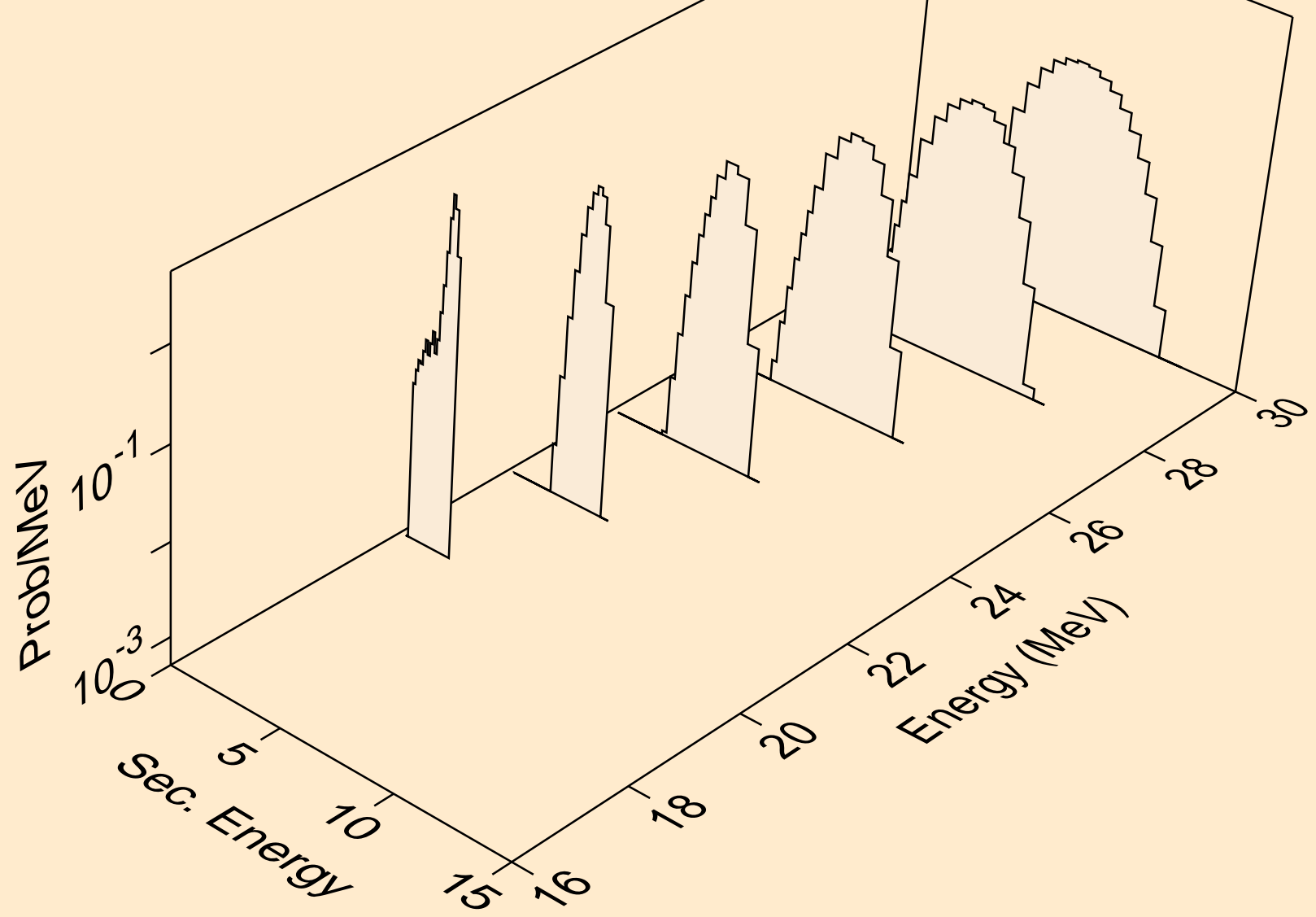
TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,x)



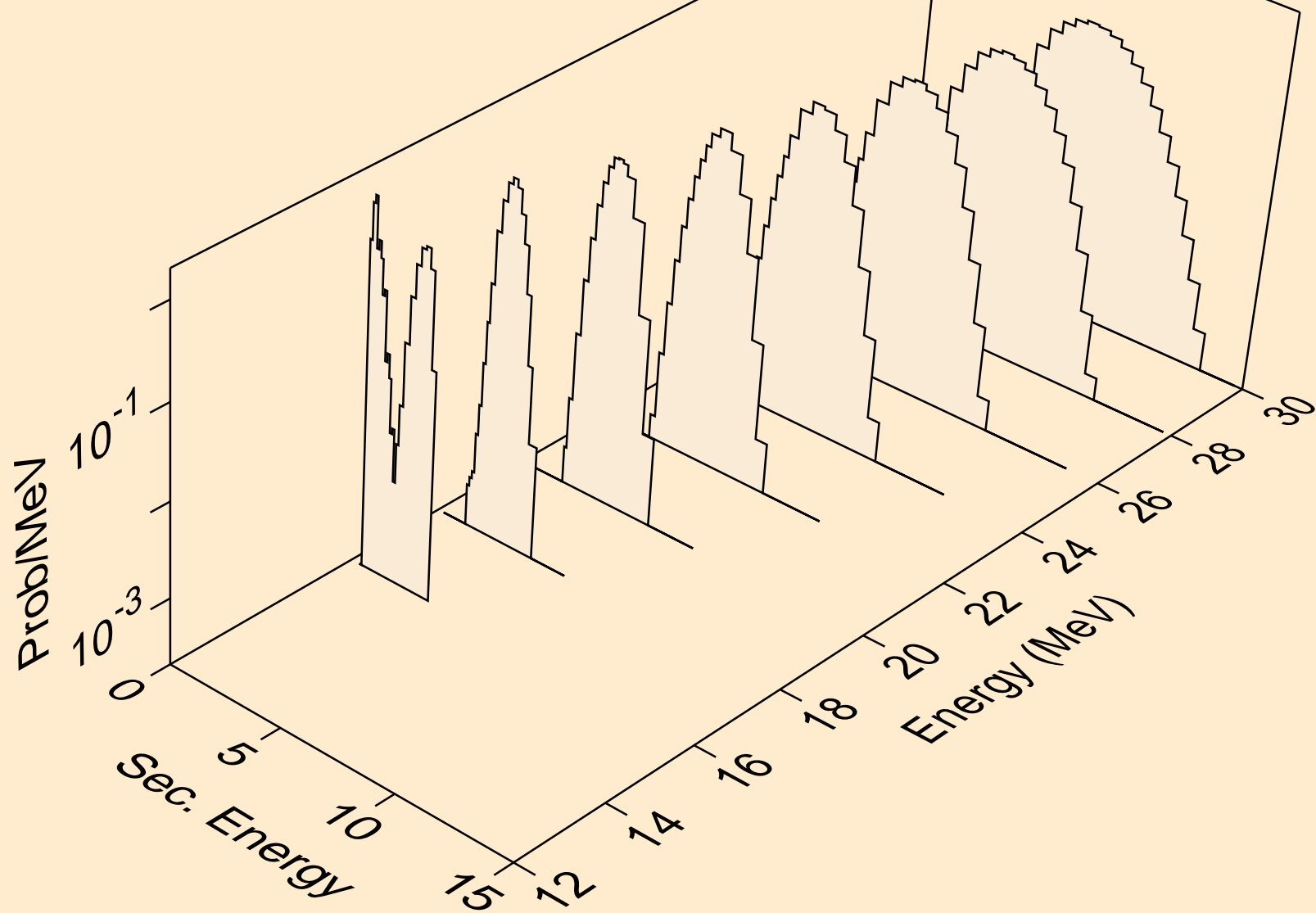
TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



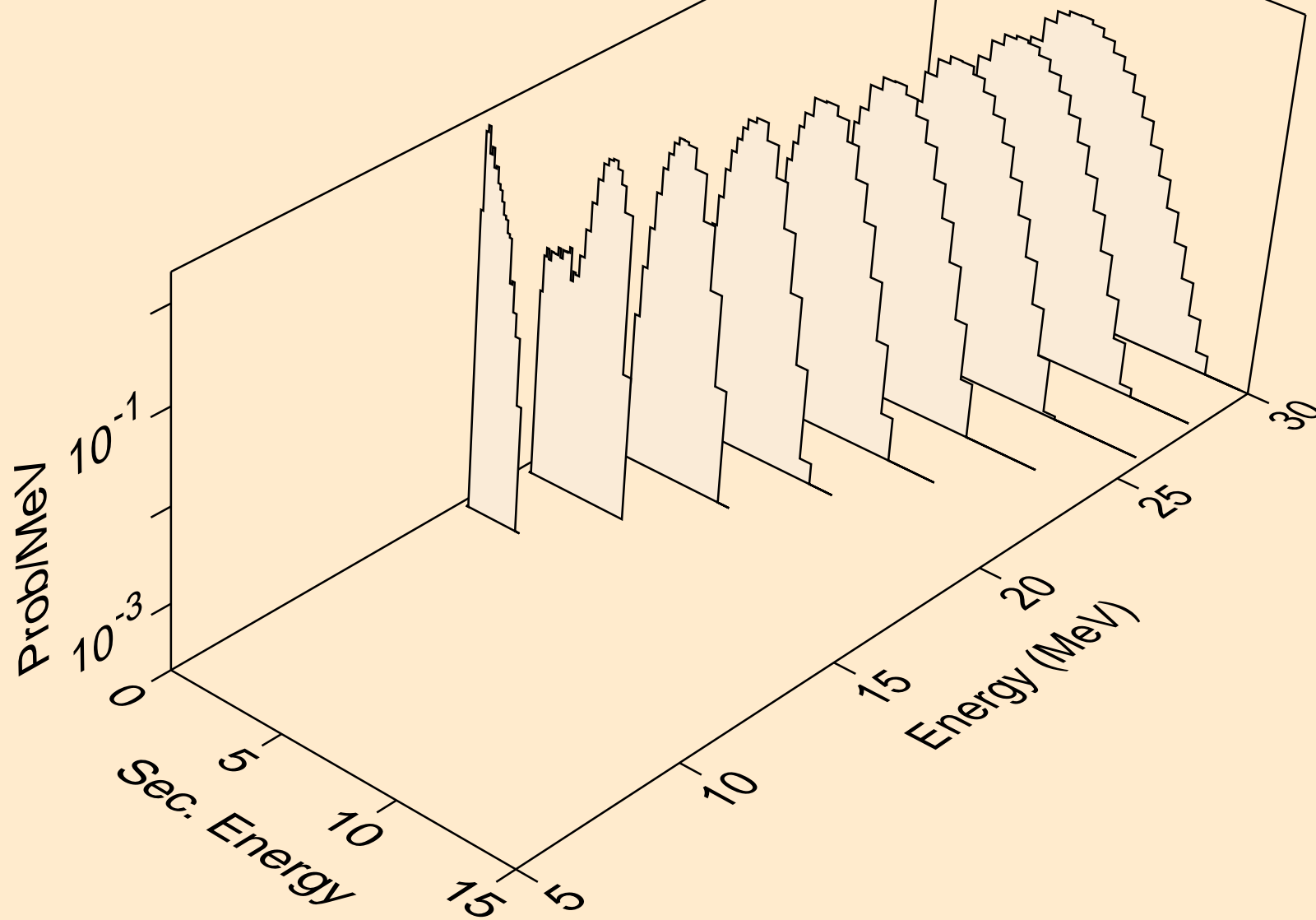
TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)



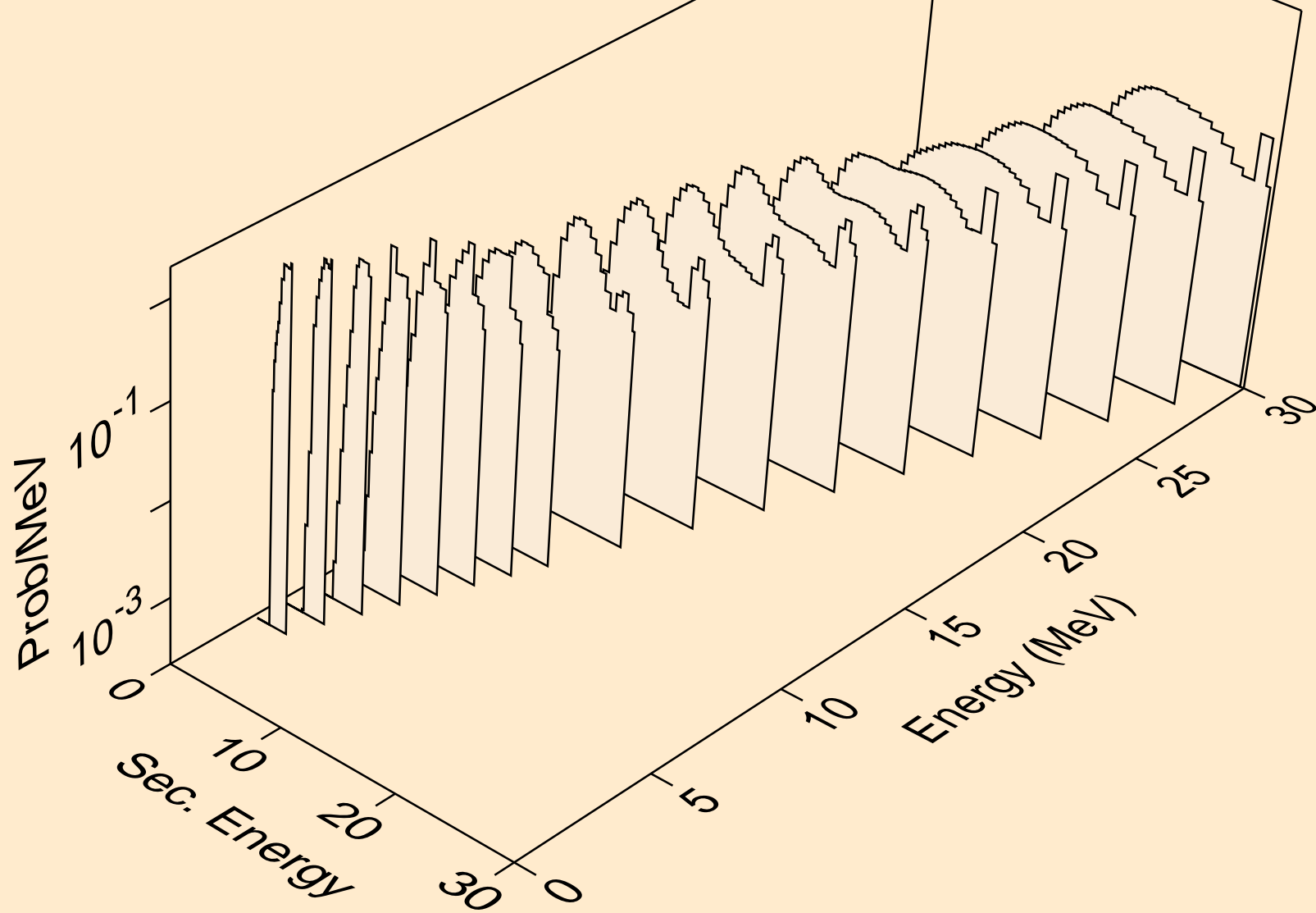
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Proton emission for (p,2np)



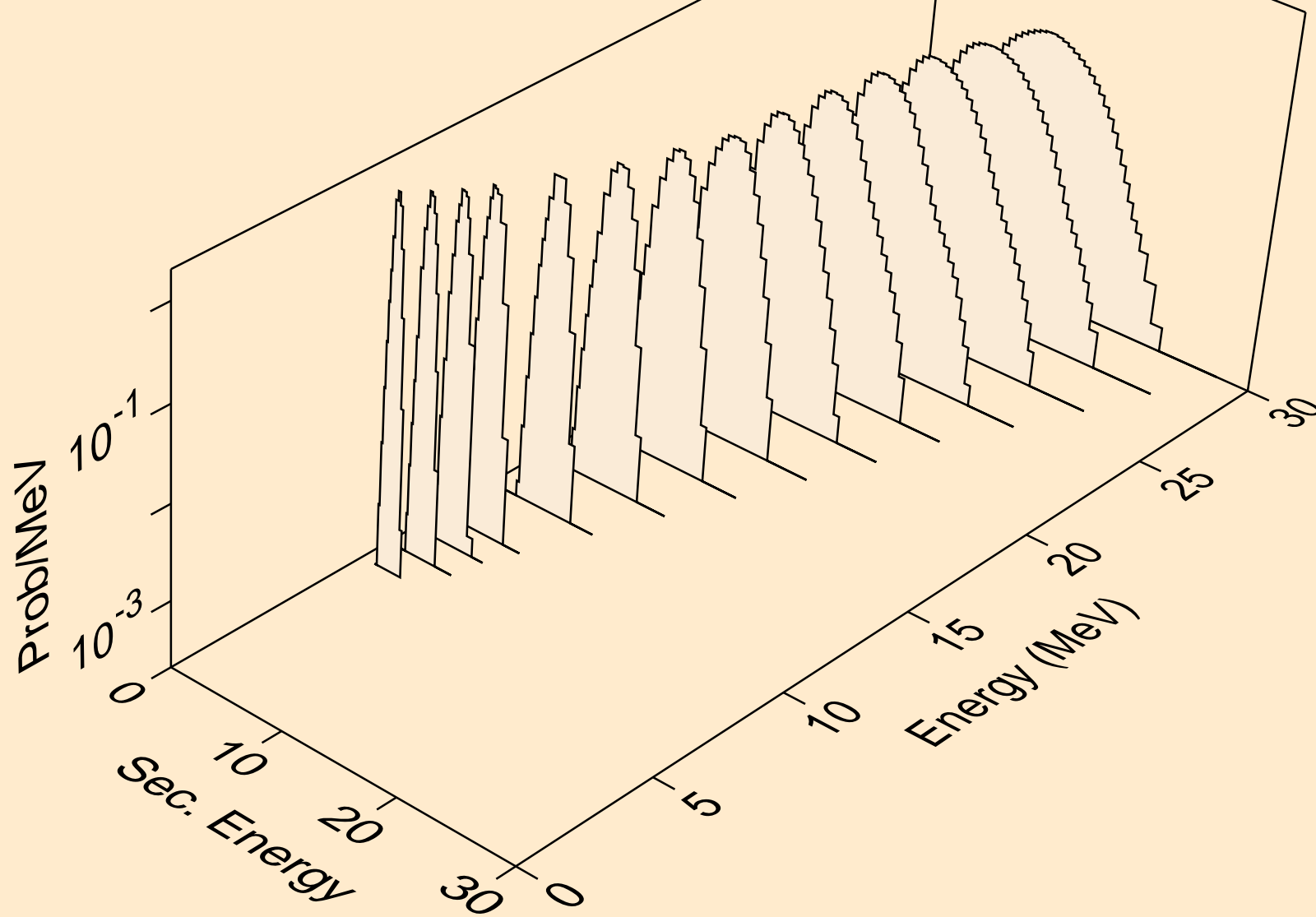
TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,npa)



TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for inelastic

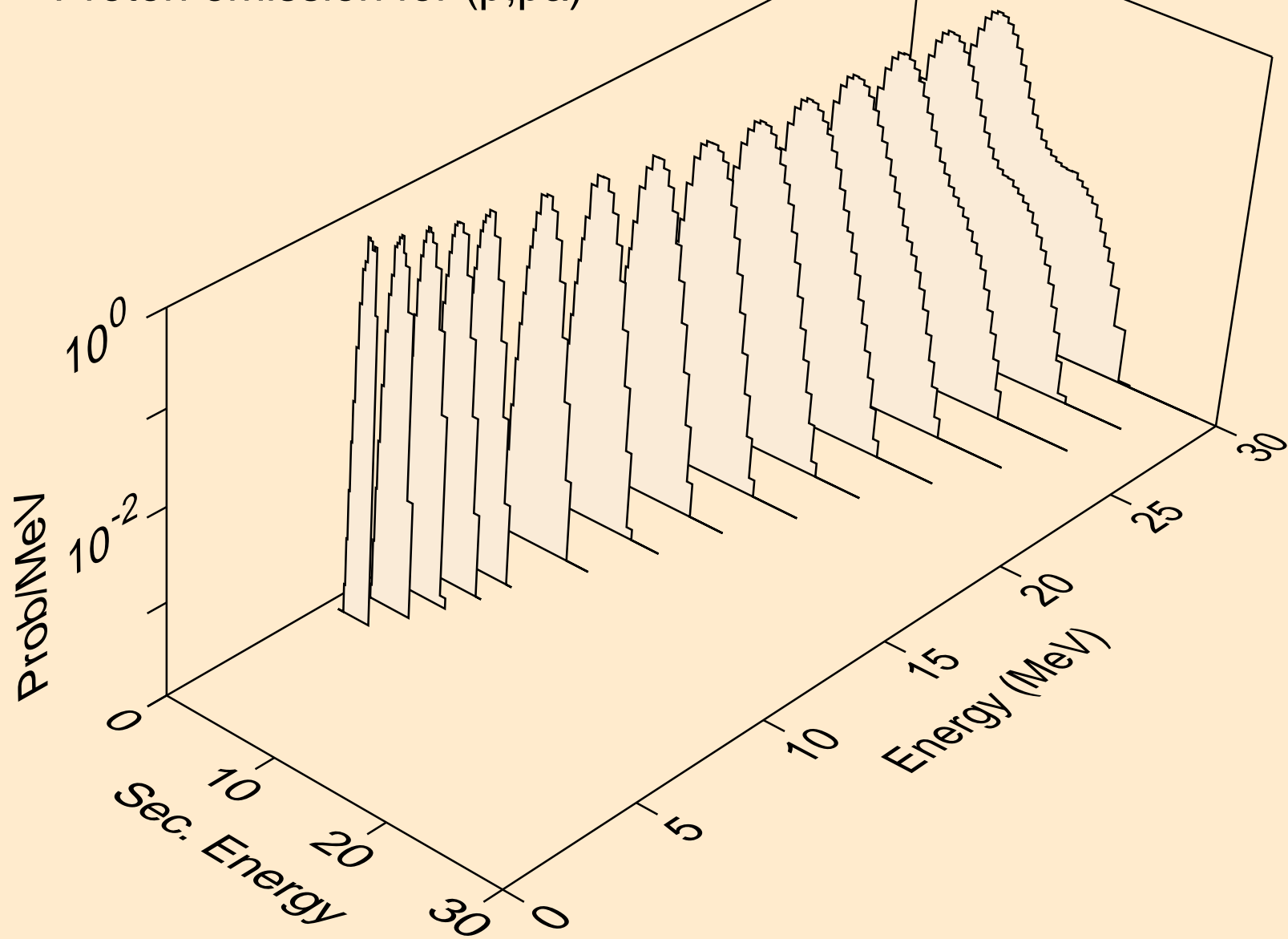


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Proton emission for (p,2p)

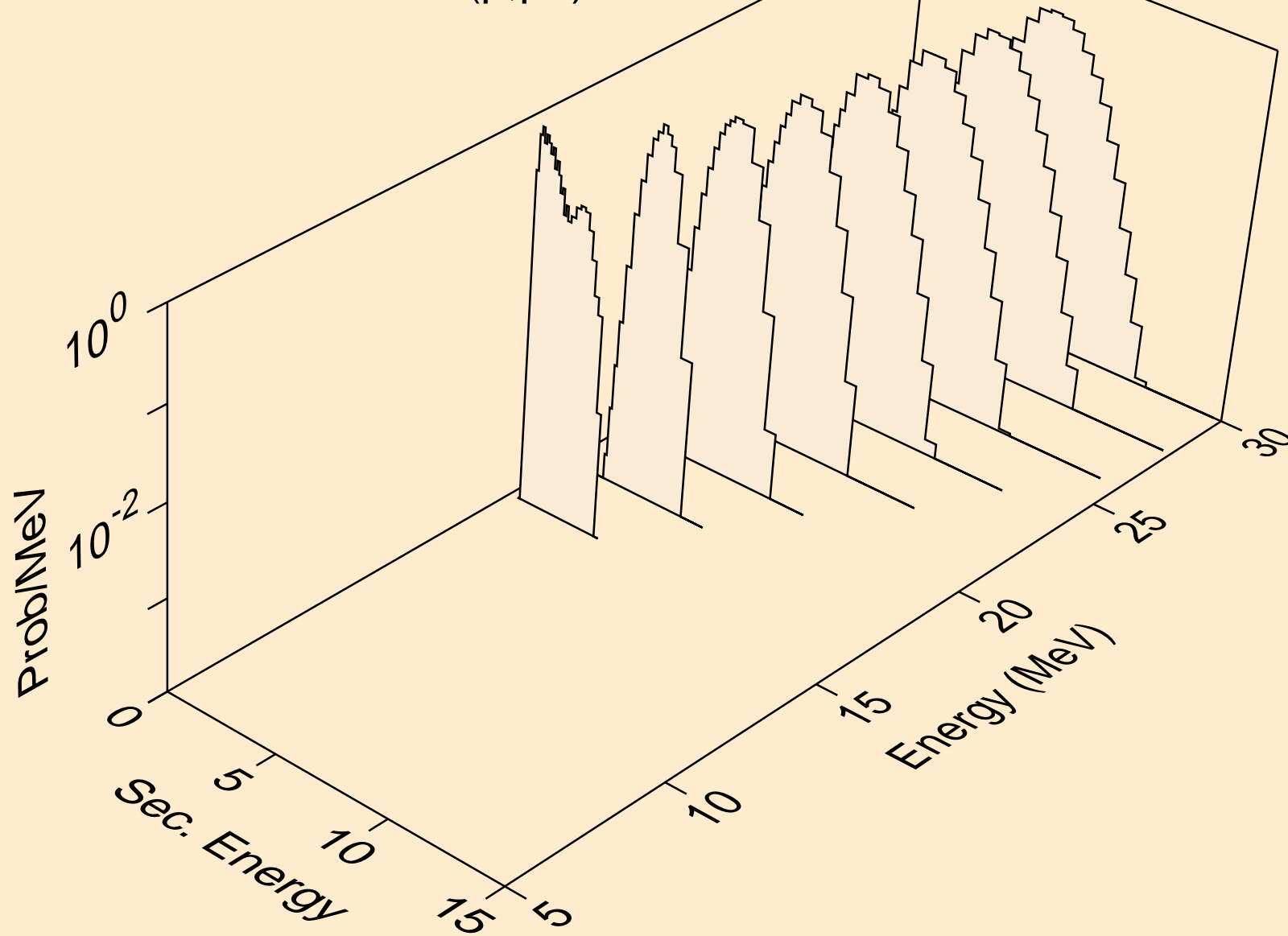




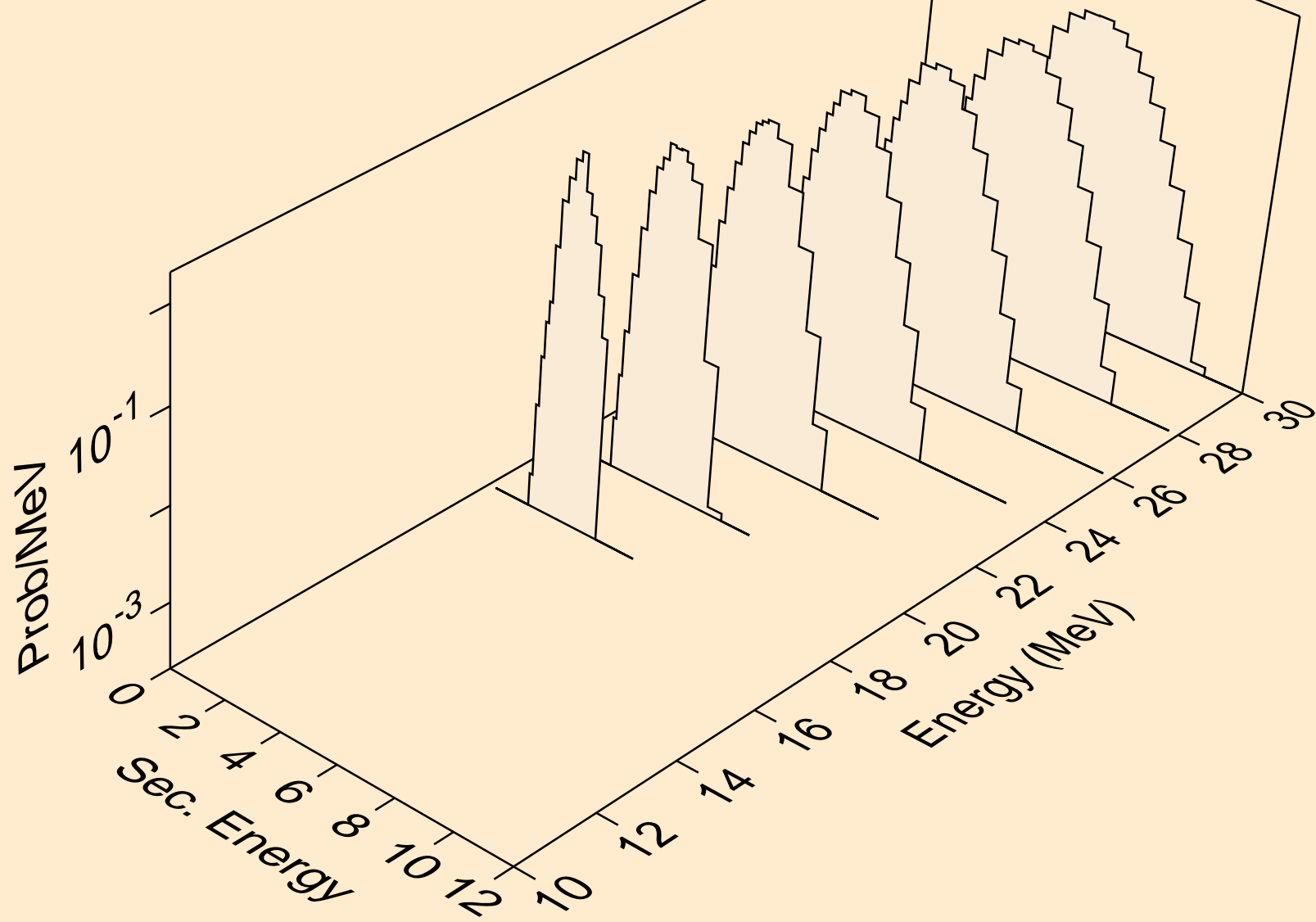
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Proton emission for (p,pa)



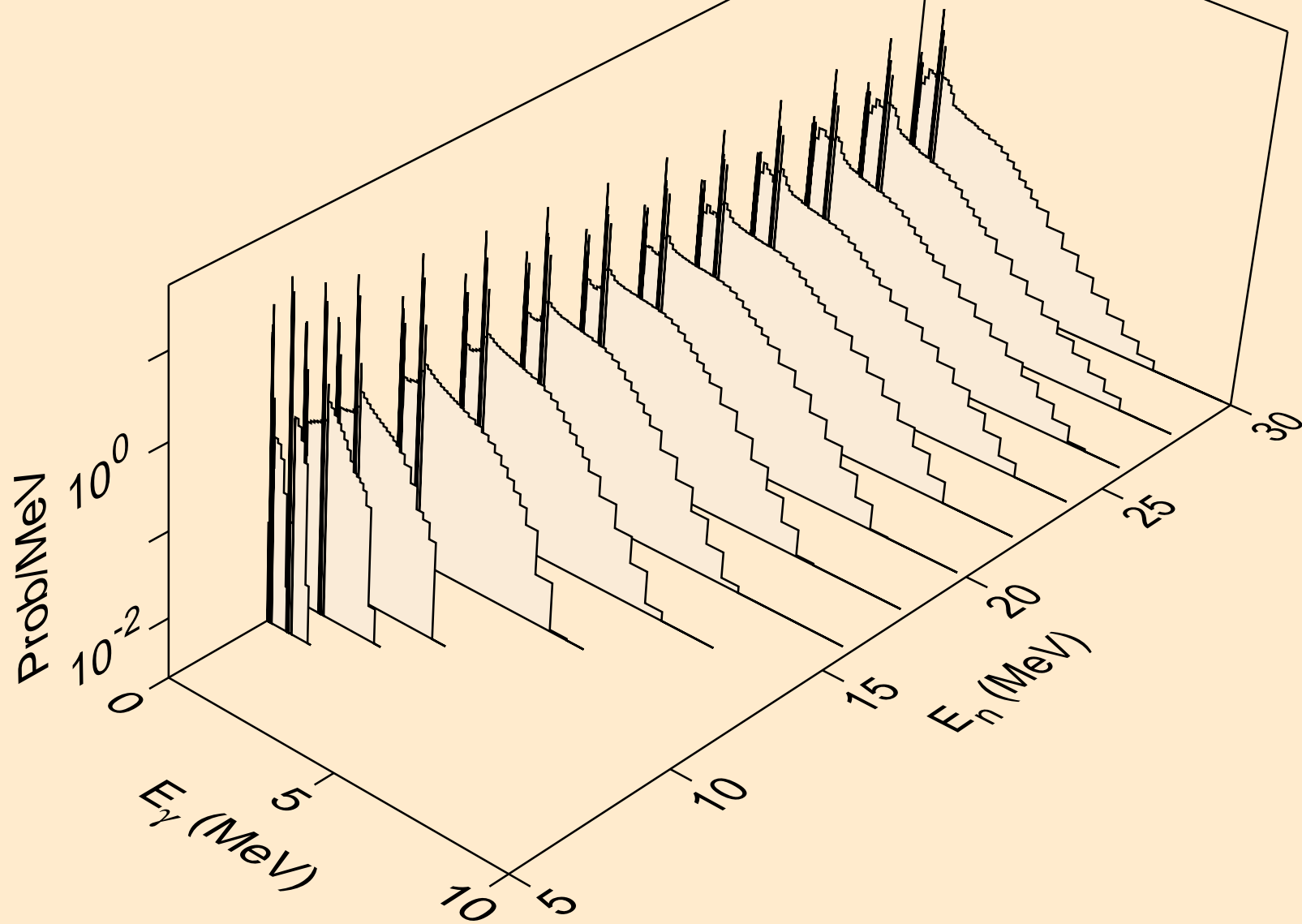
TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pd)



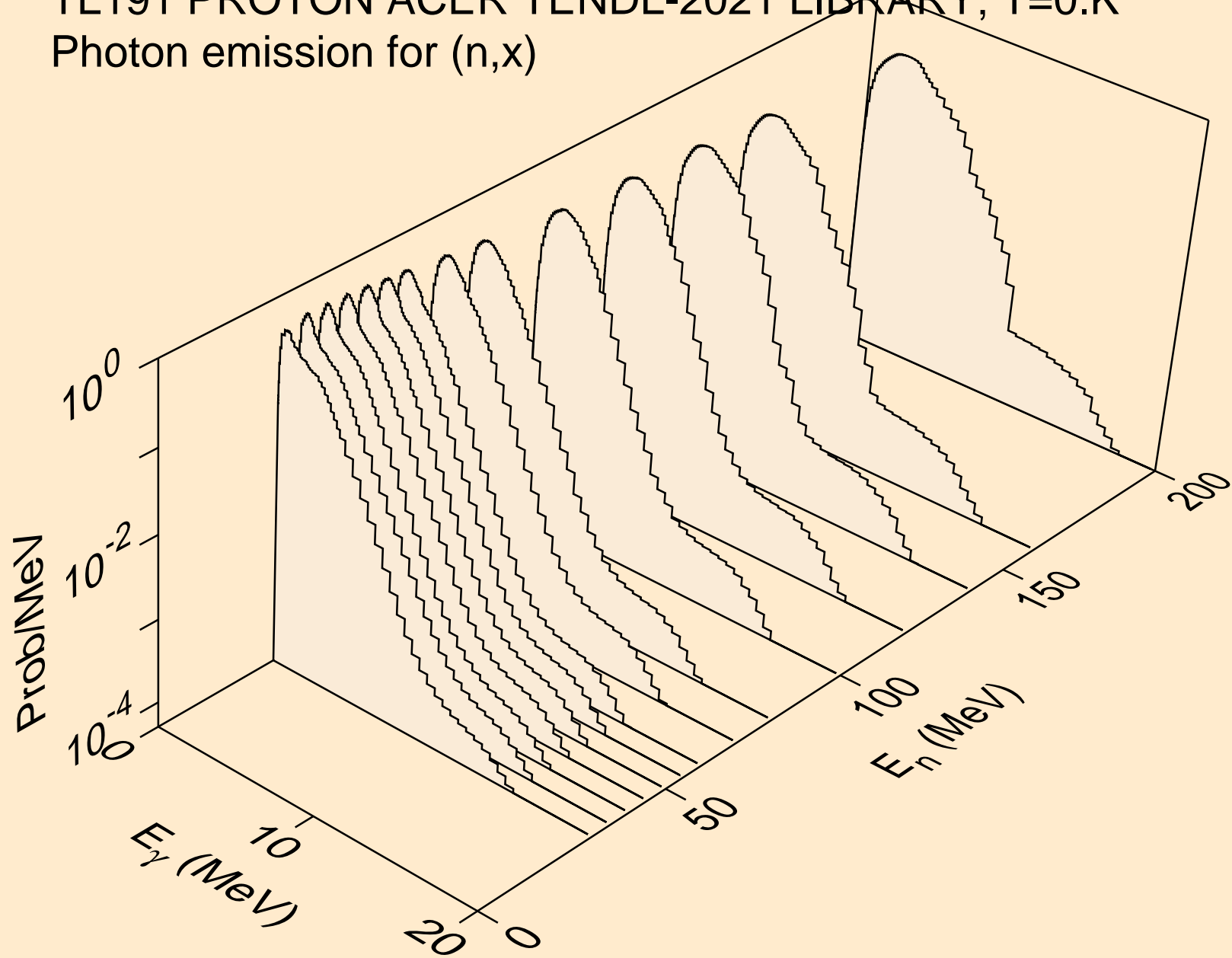
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Proton emission for (p,pt)



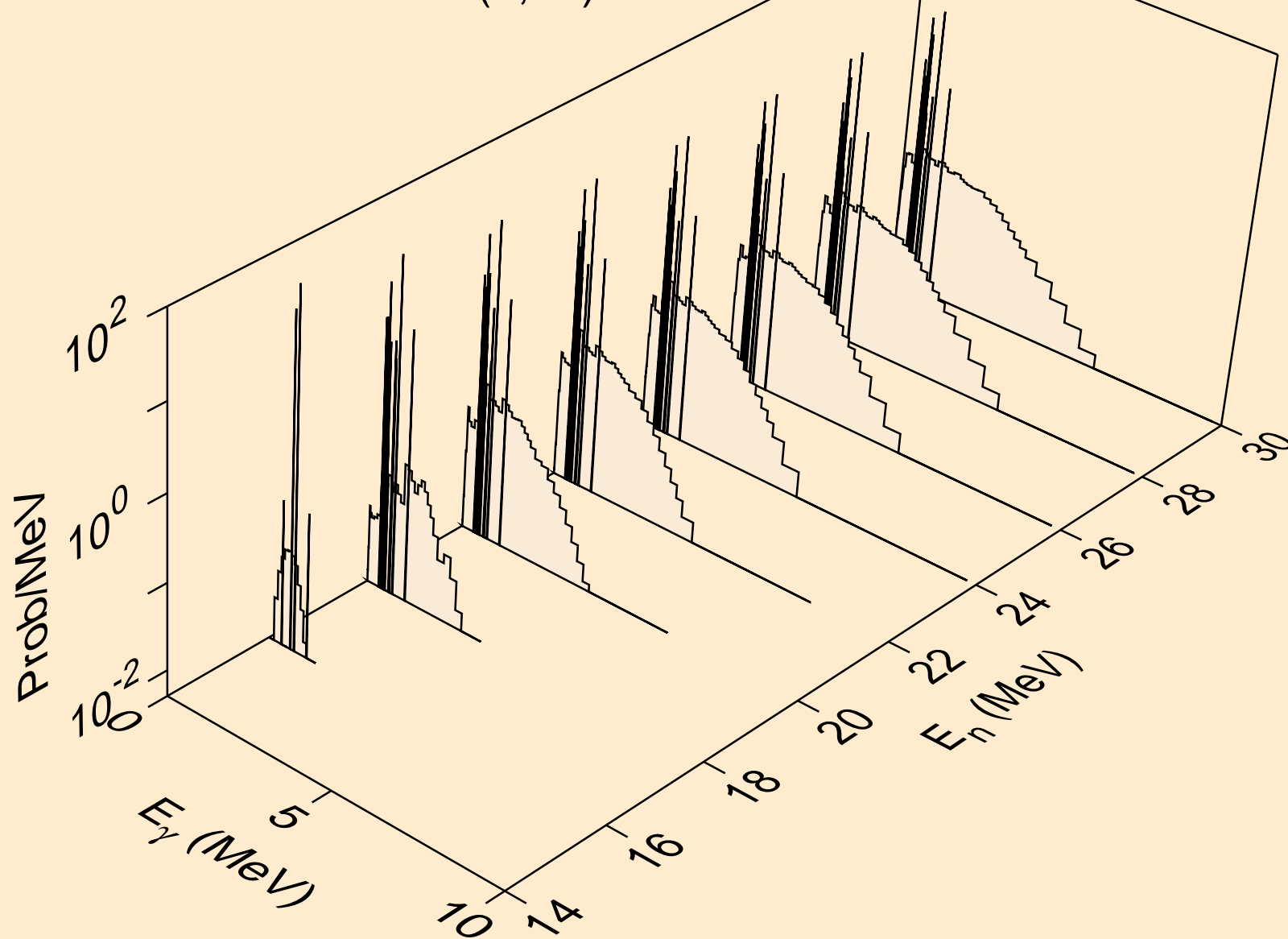
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Photon emission for (z,n)



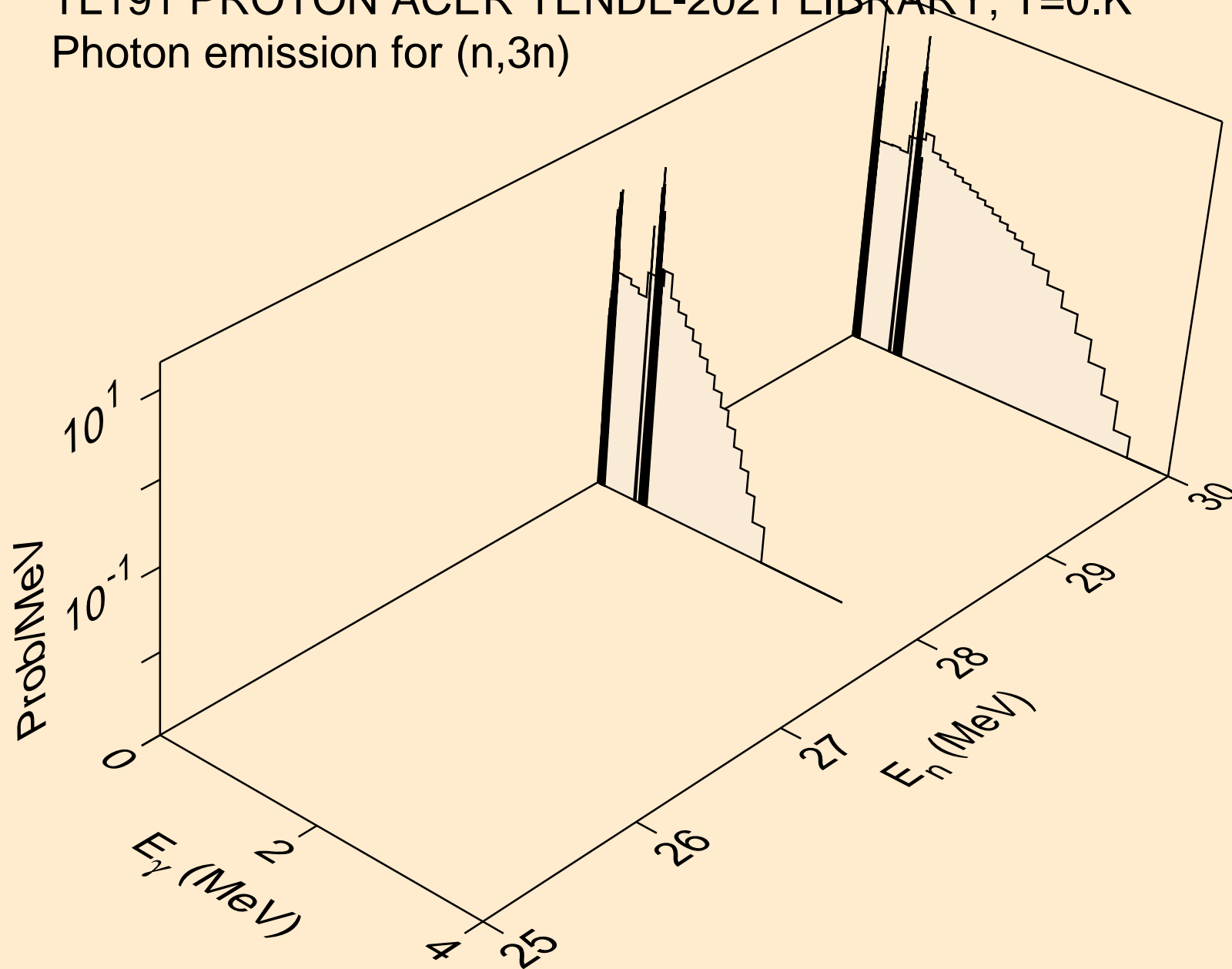
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Photon emission for (n,x)



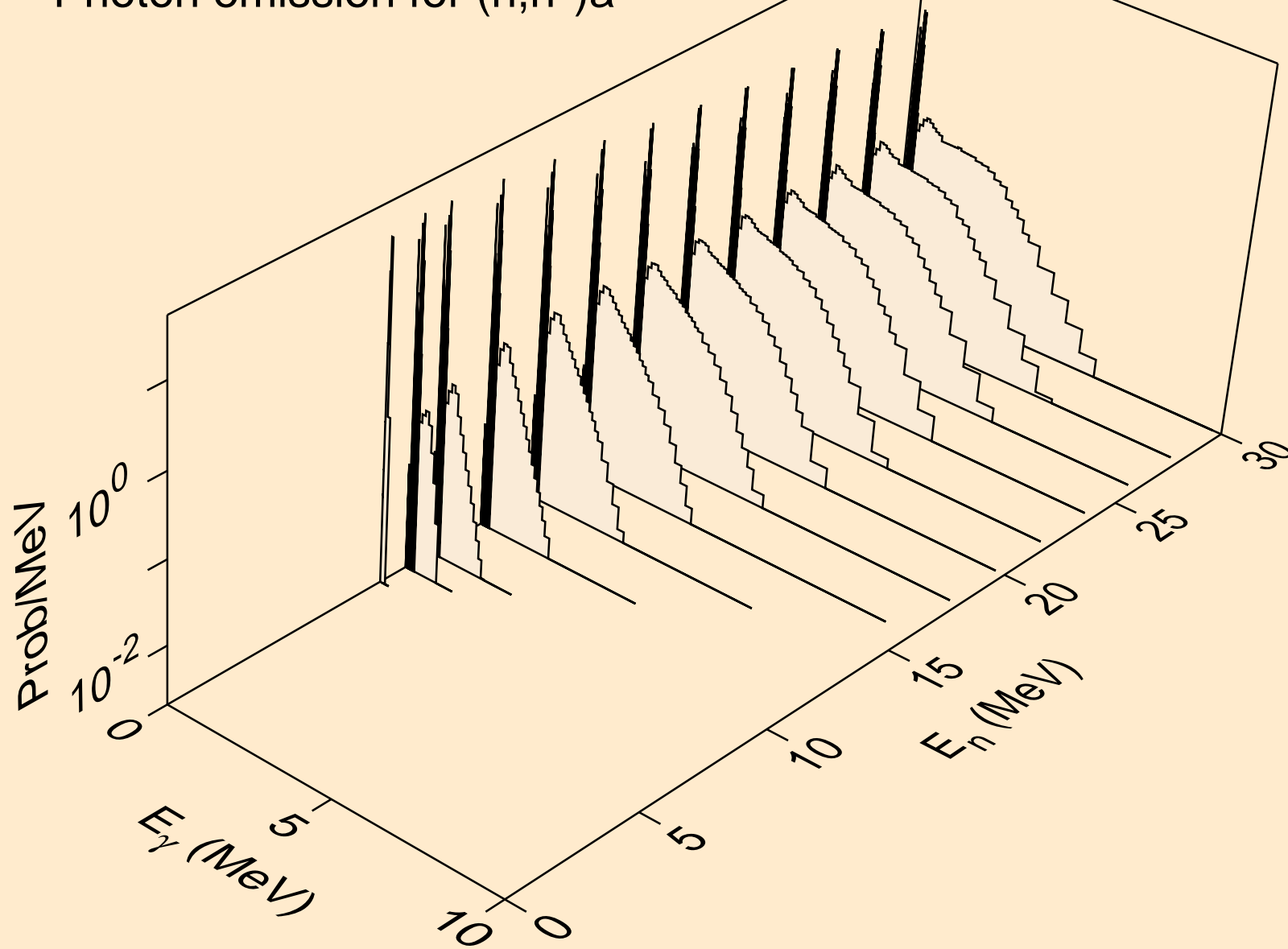
TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)



TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)

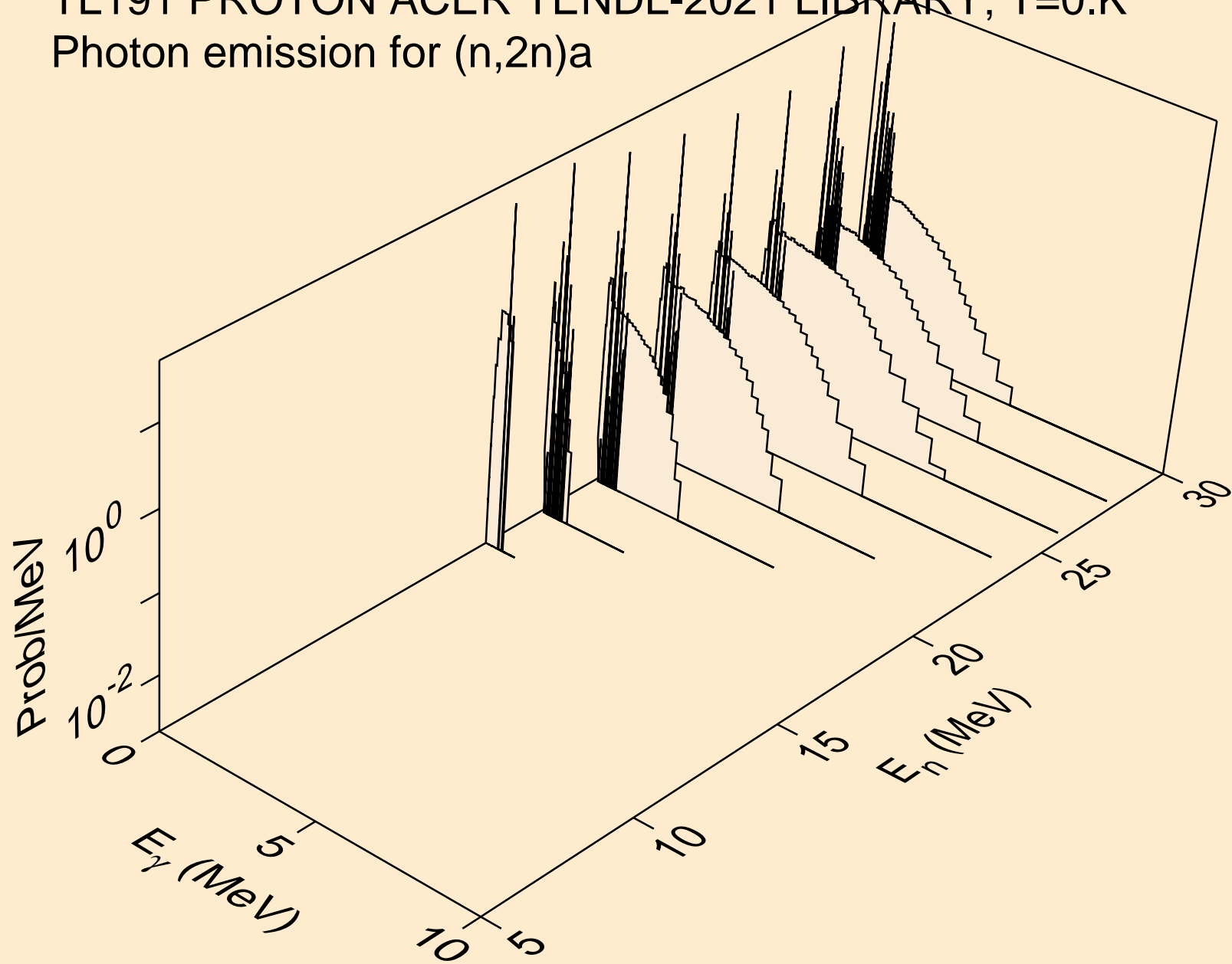


TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

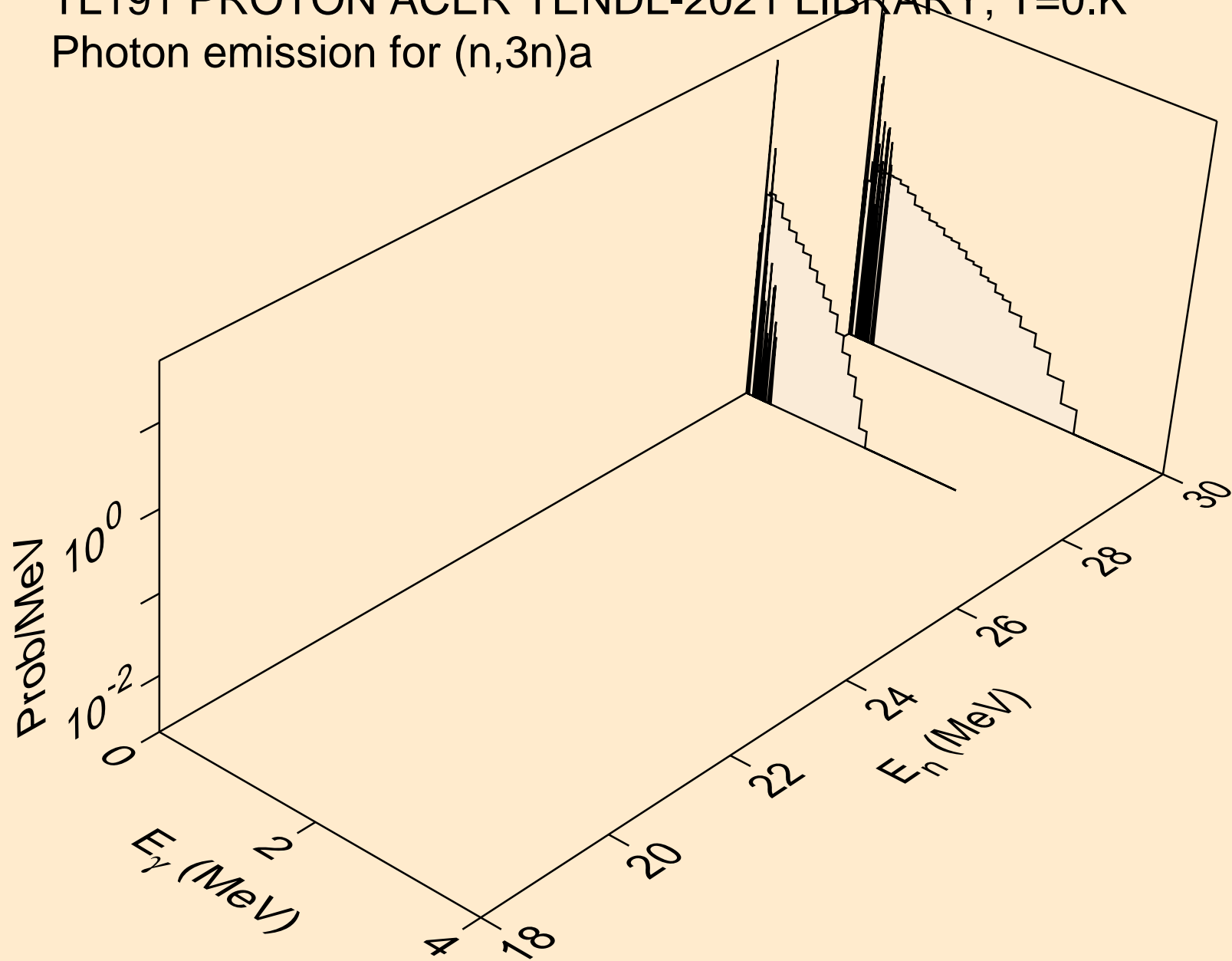




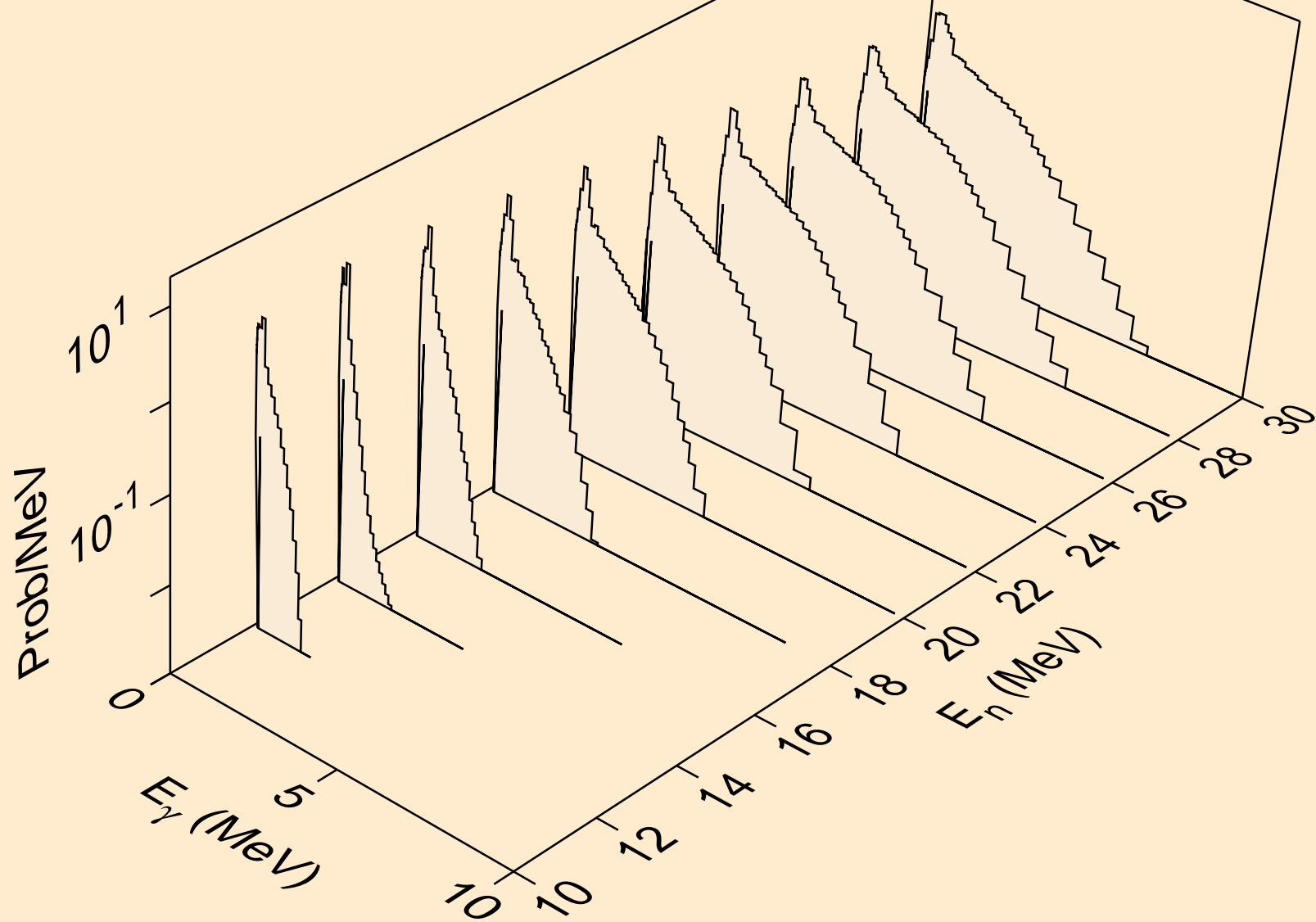
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Photon emission for (n,2n)a



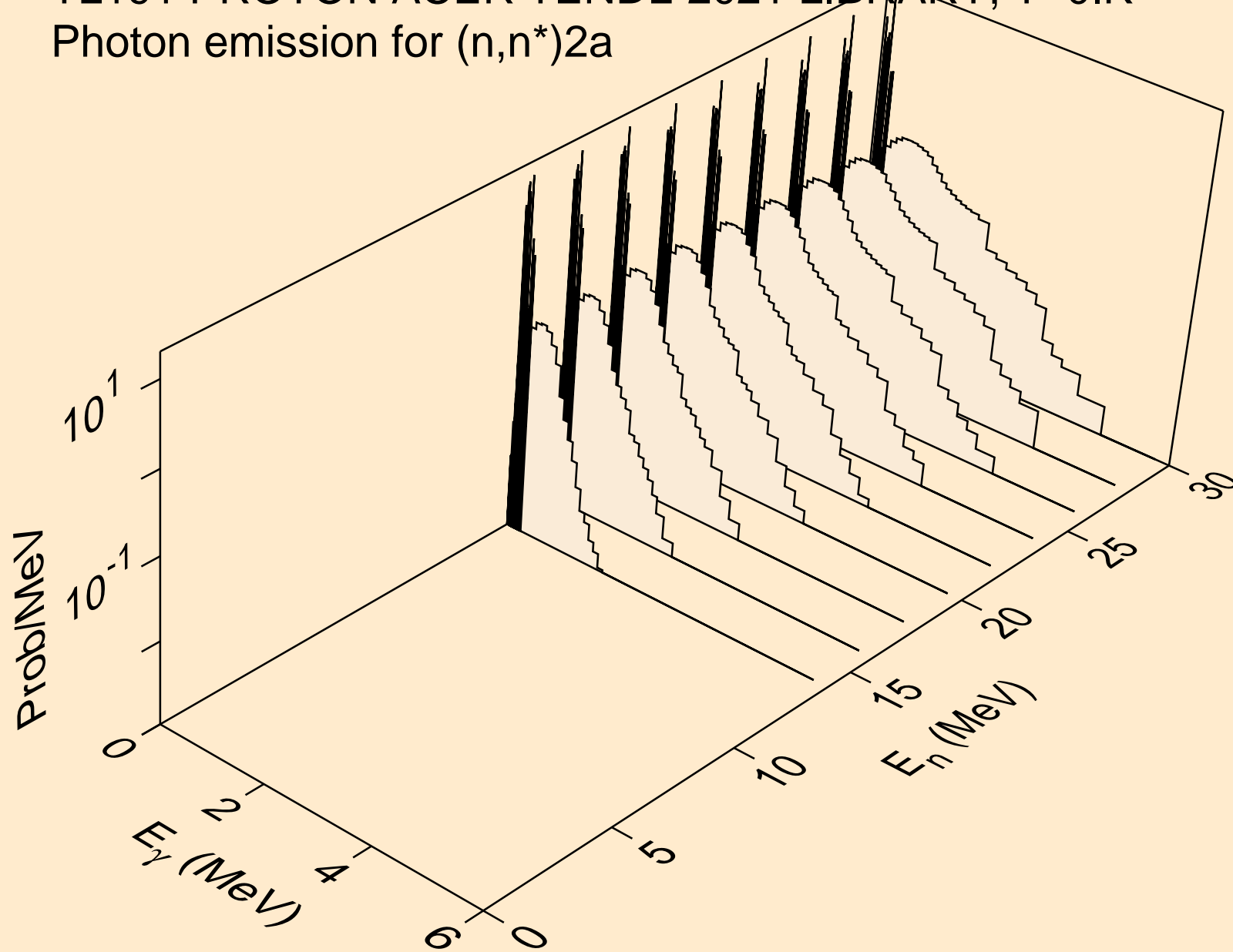
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Photon emission for (n,3n)a



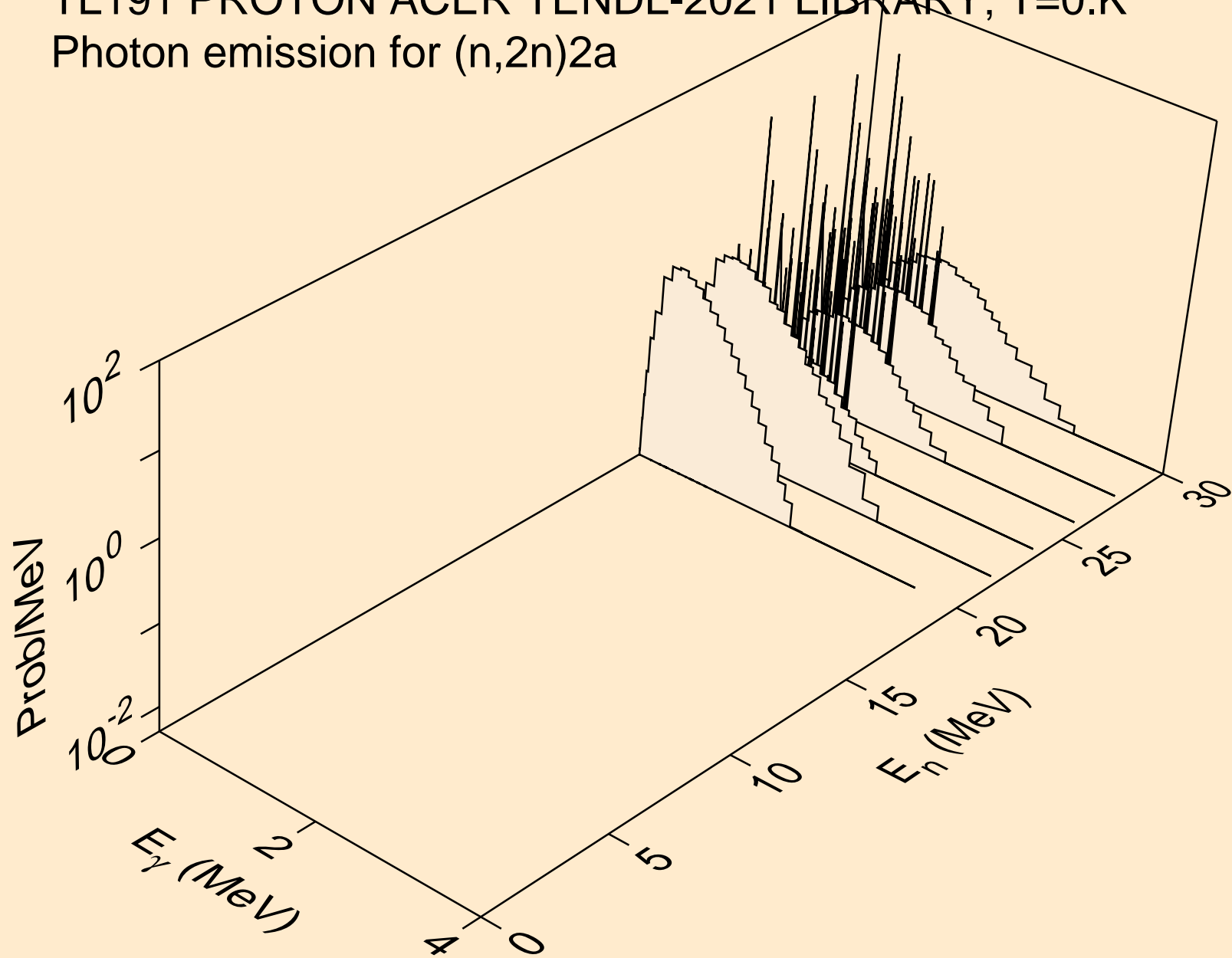
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Photon emission for (n,n\*)p



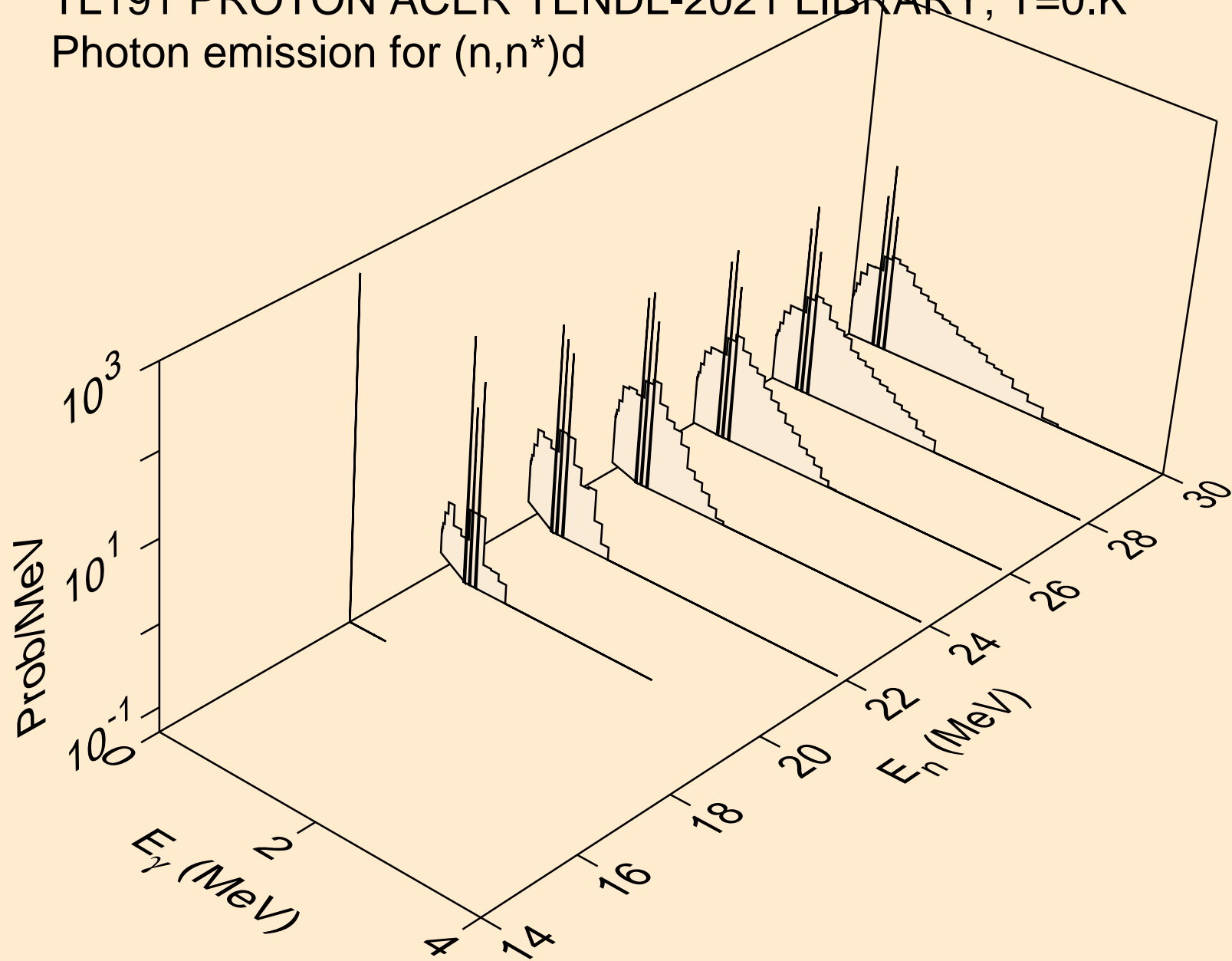
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Photon emission for (n,n\*)2a



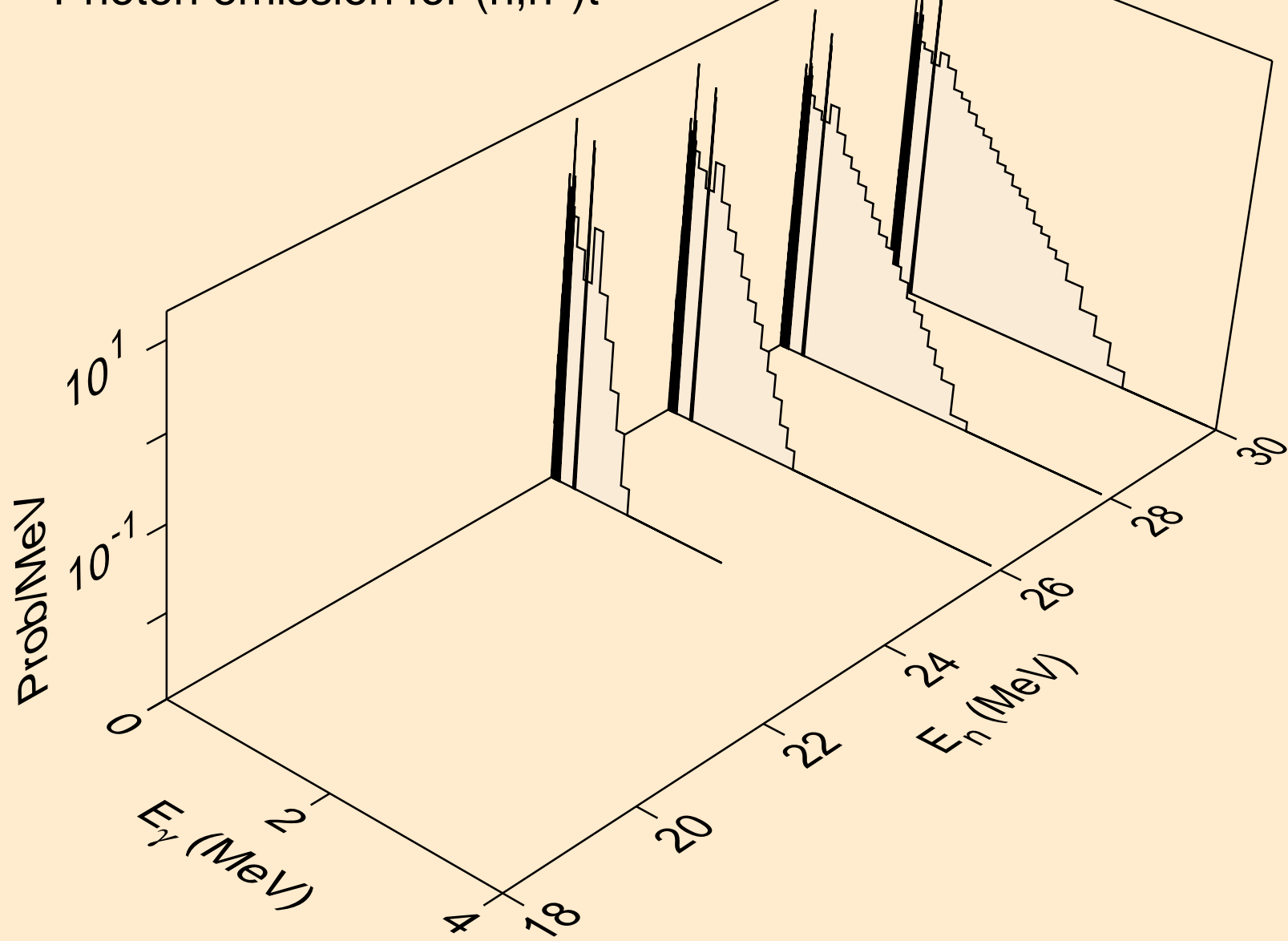
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Photon emission for (n,2n)2a



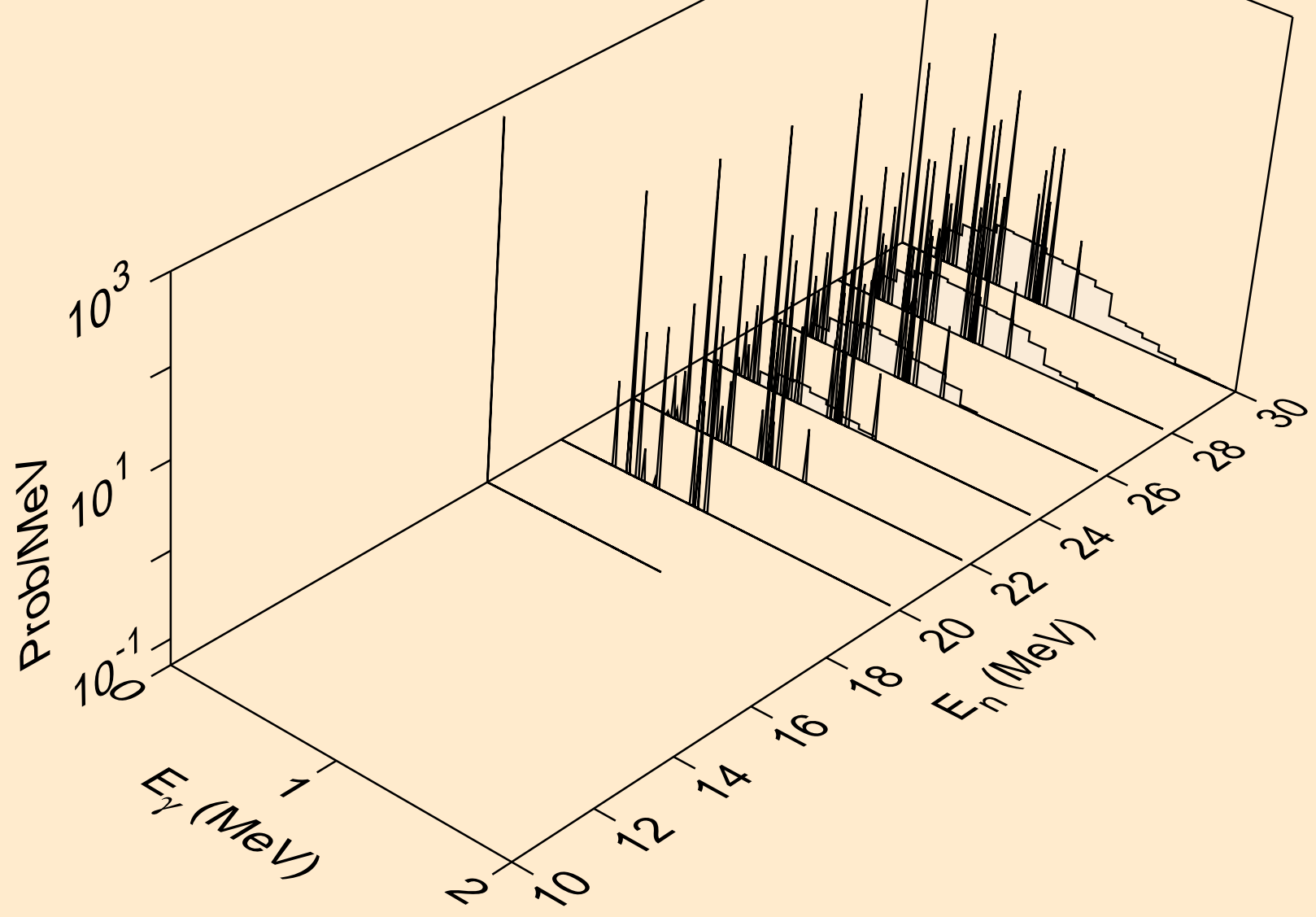
TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

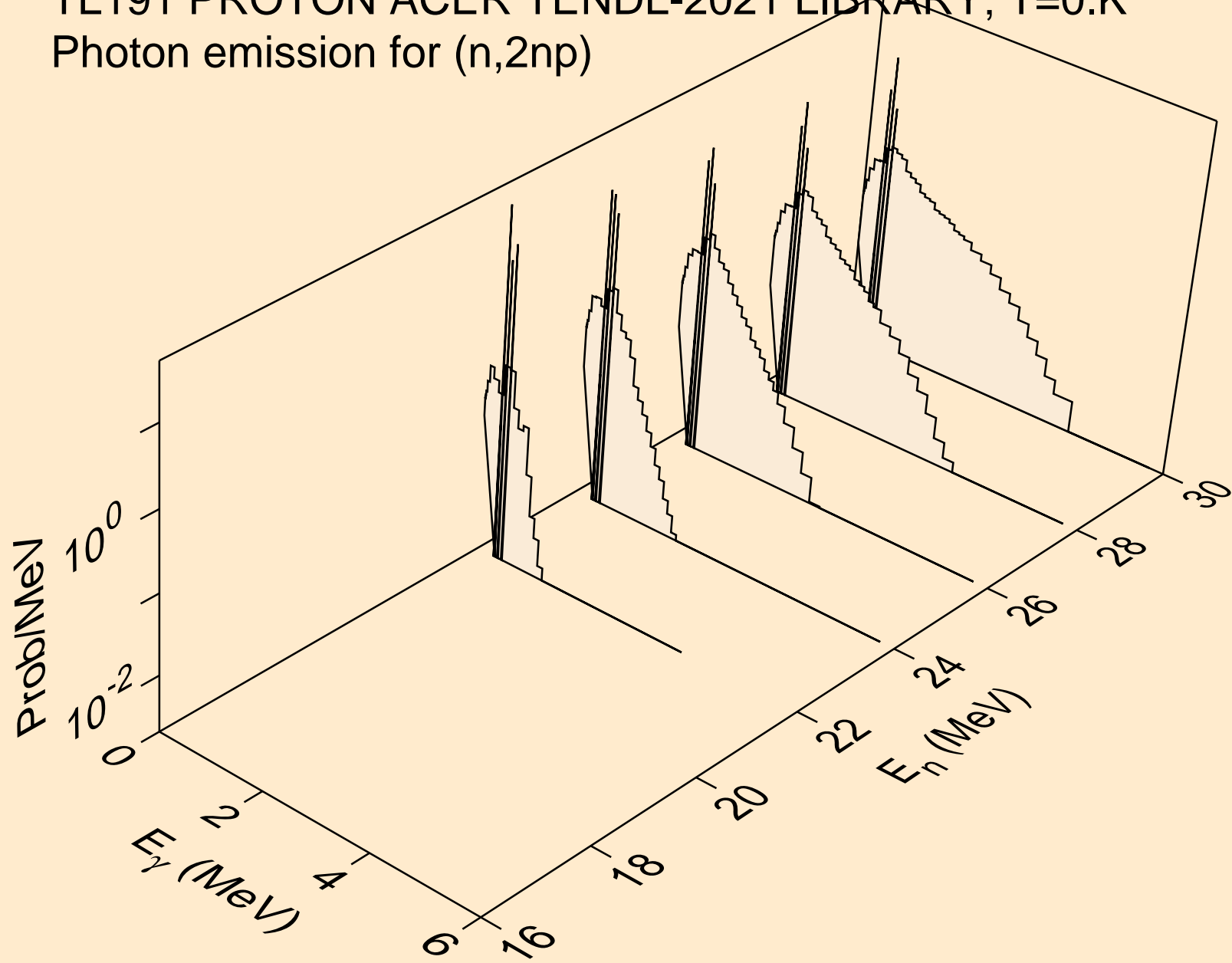


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Photon emission for (n,n\*)he3

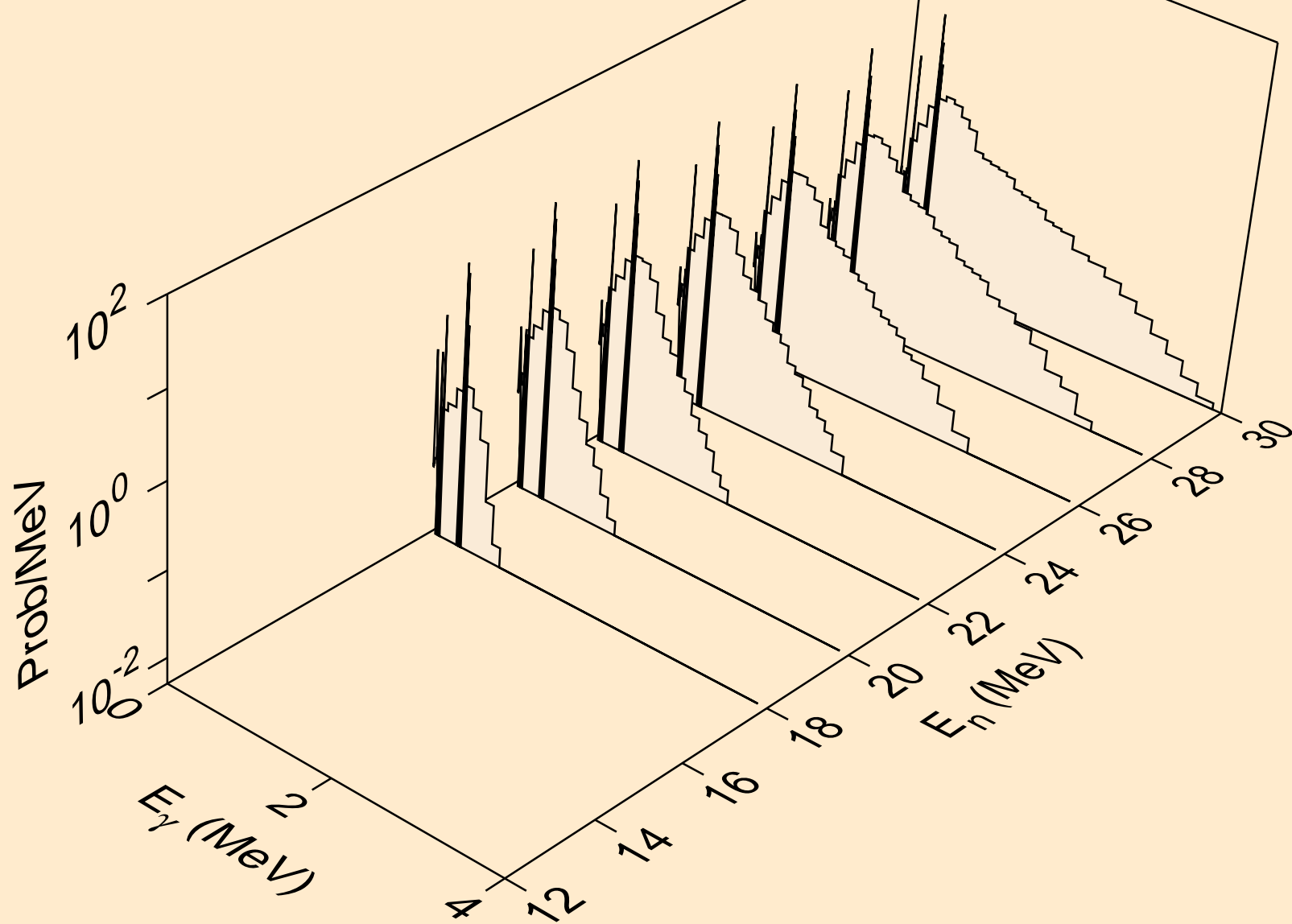




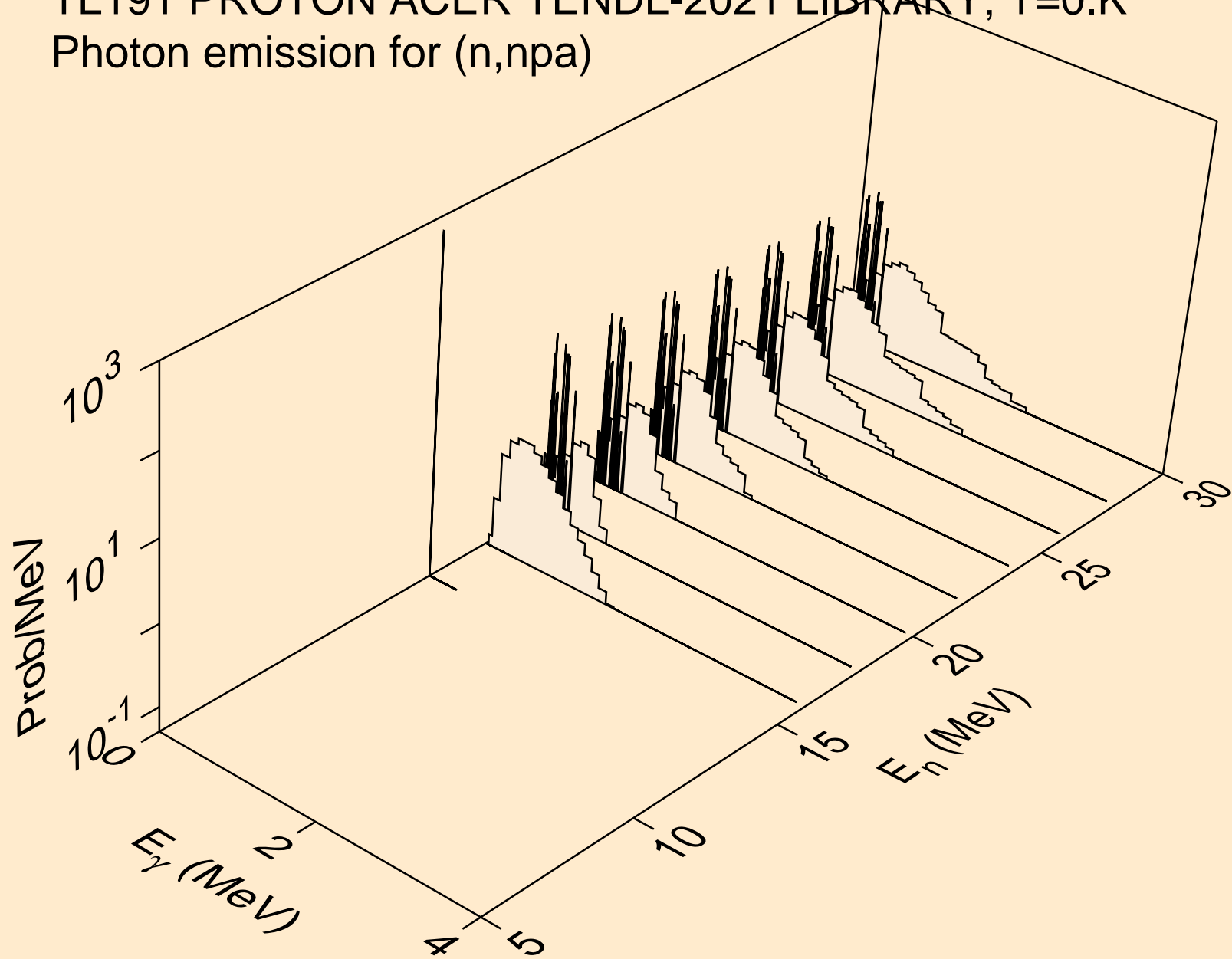
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Photon emission for (n,2np)



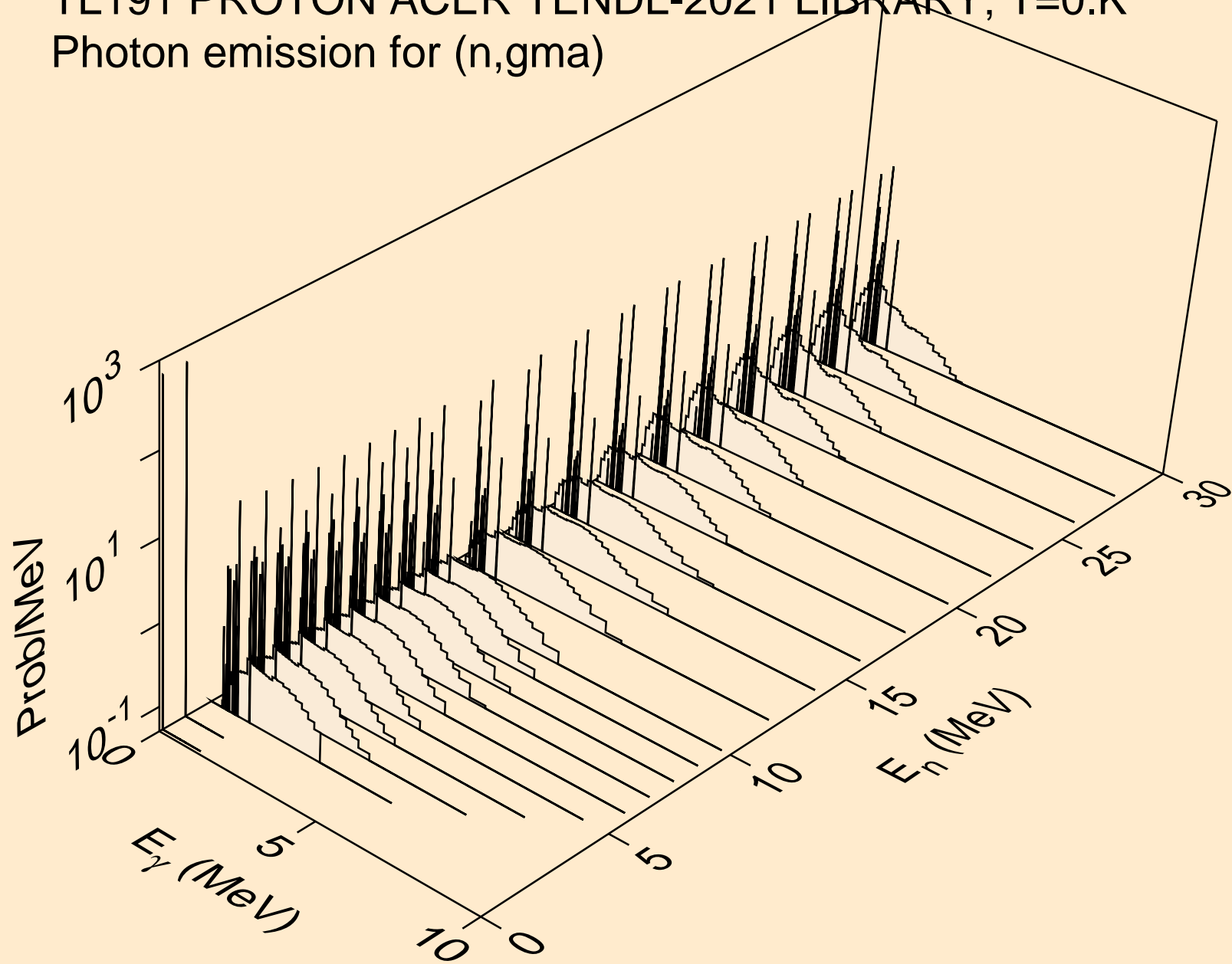
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Photon emission for (n,2np)



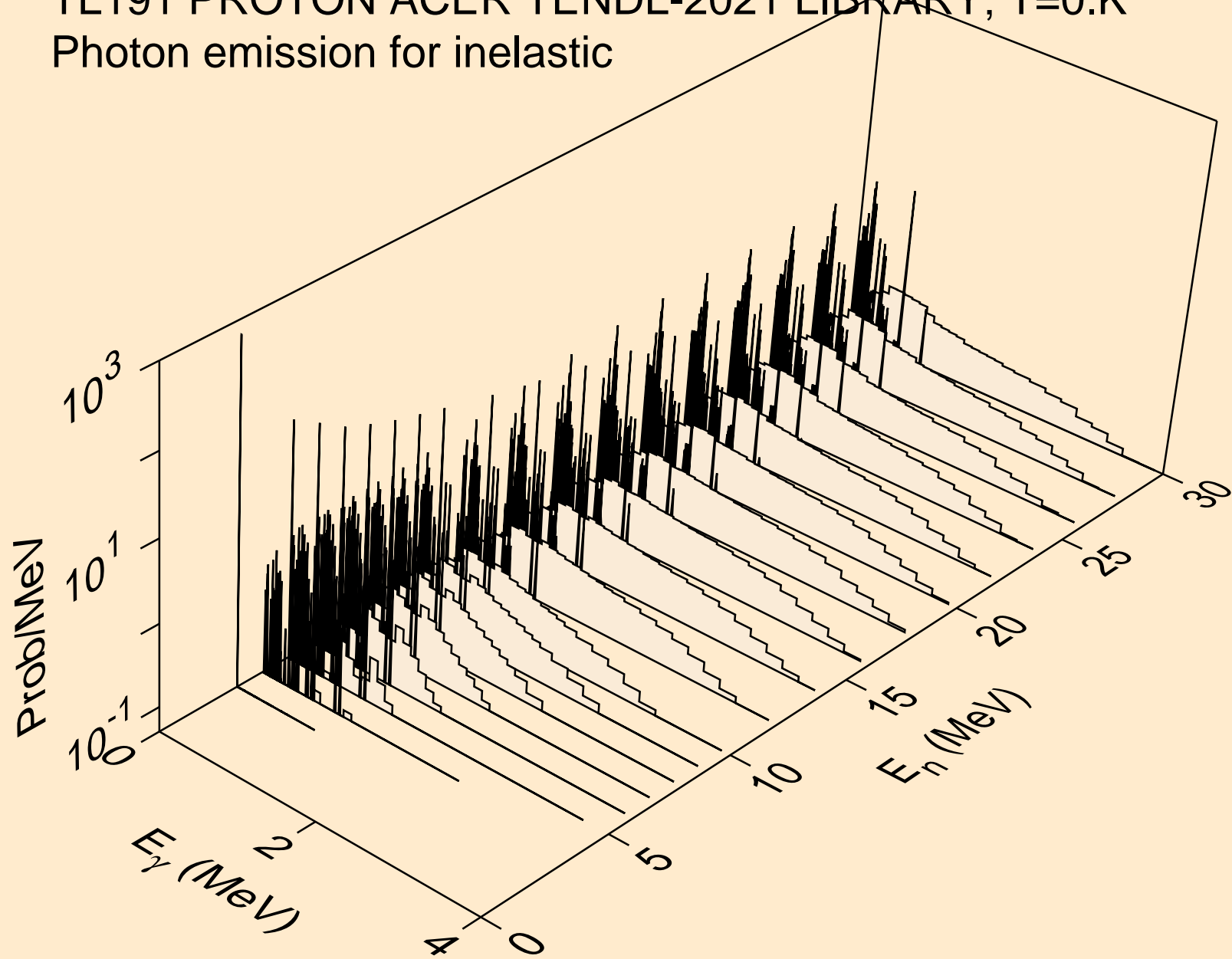
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Photon emission for (n,npa)



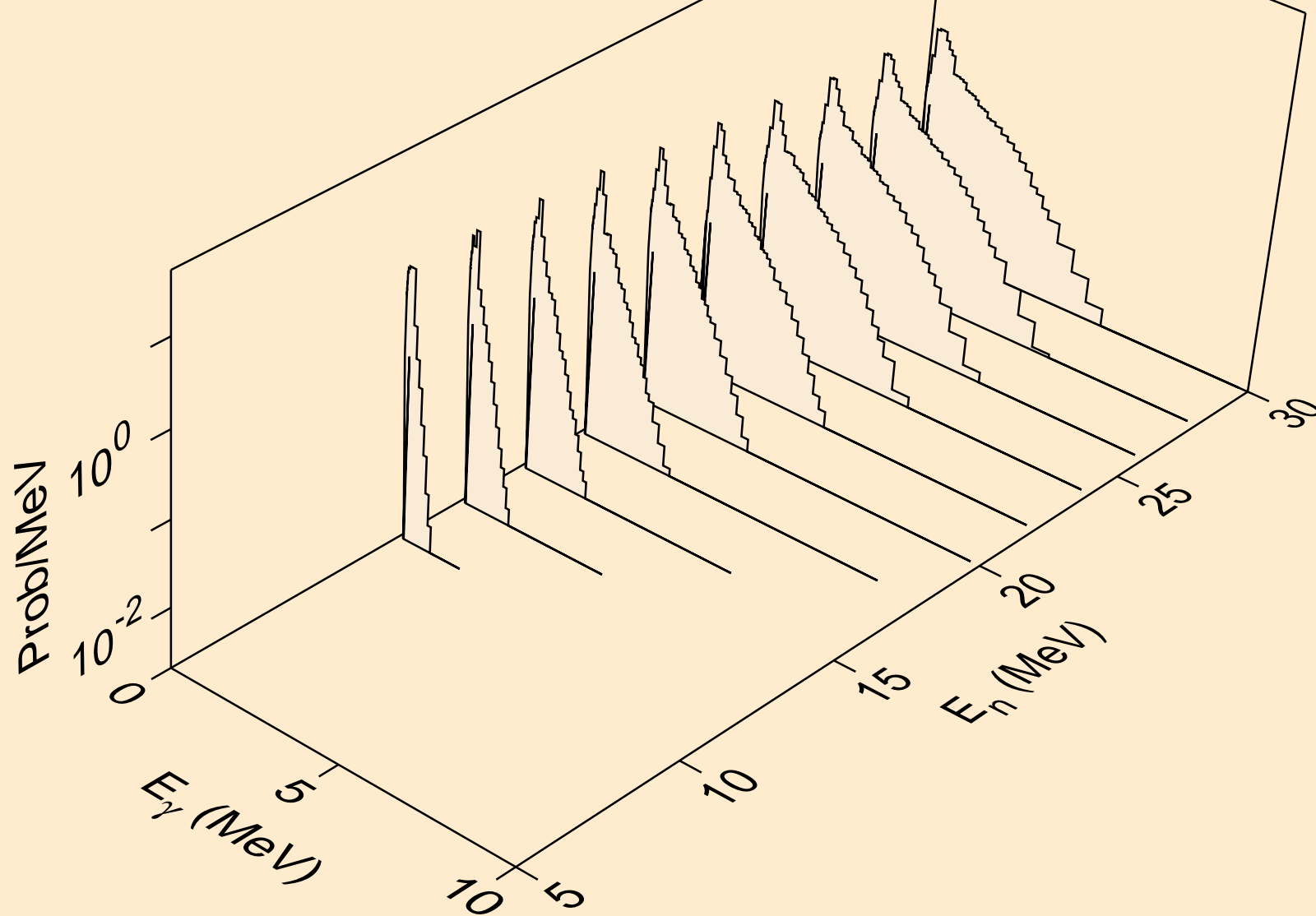
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Photon emission for (n,gma)



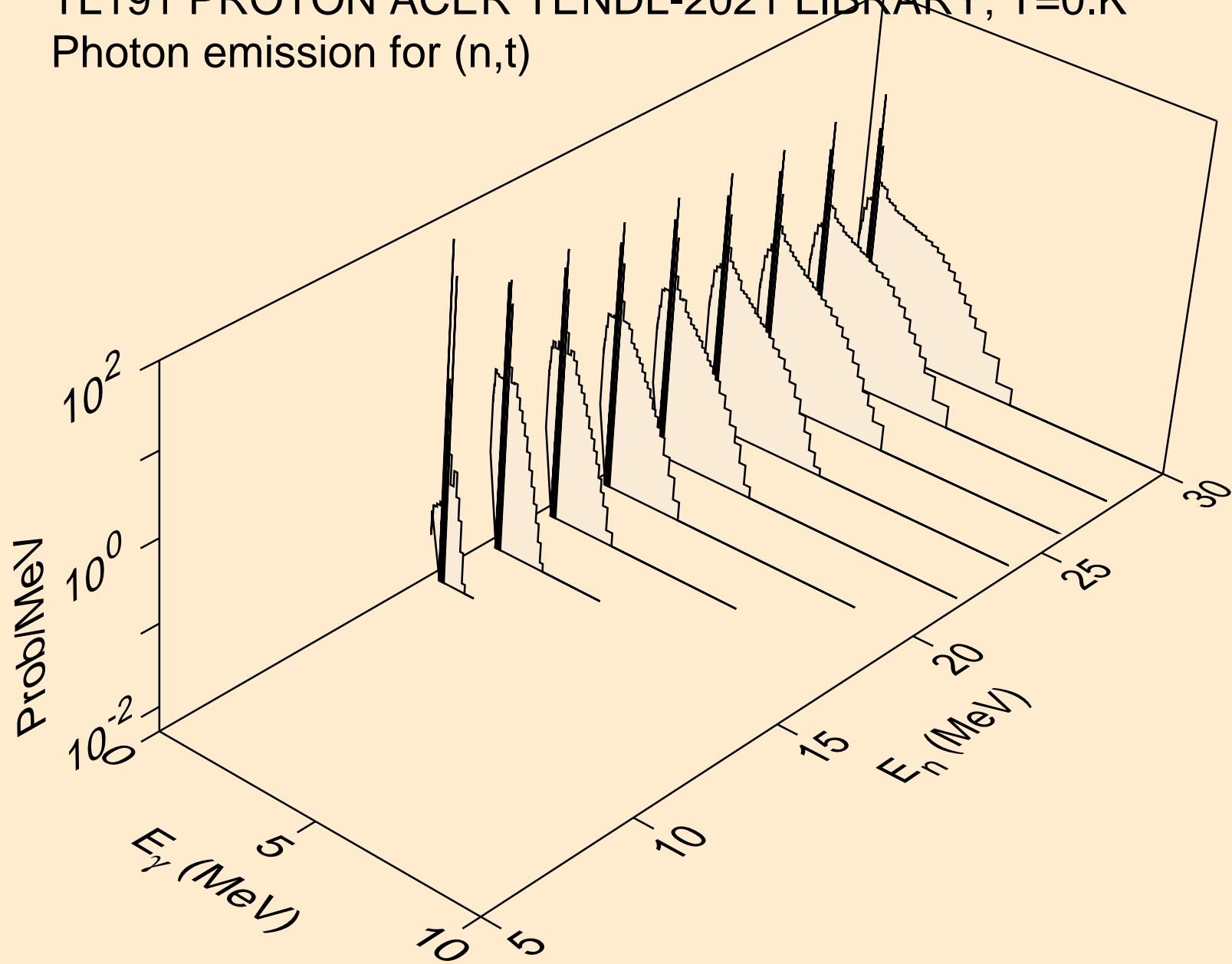
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Photon emission for inelastic



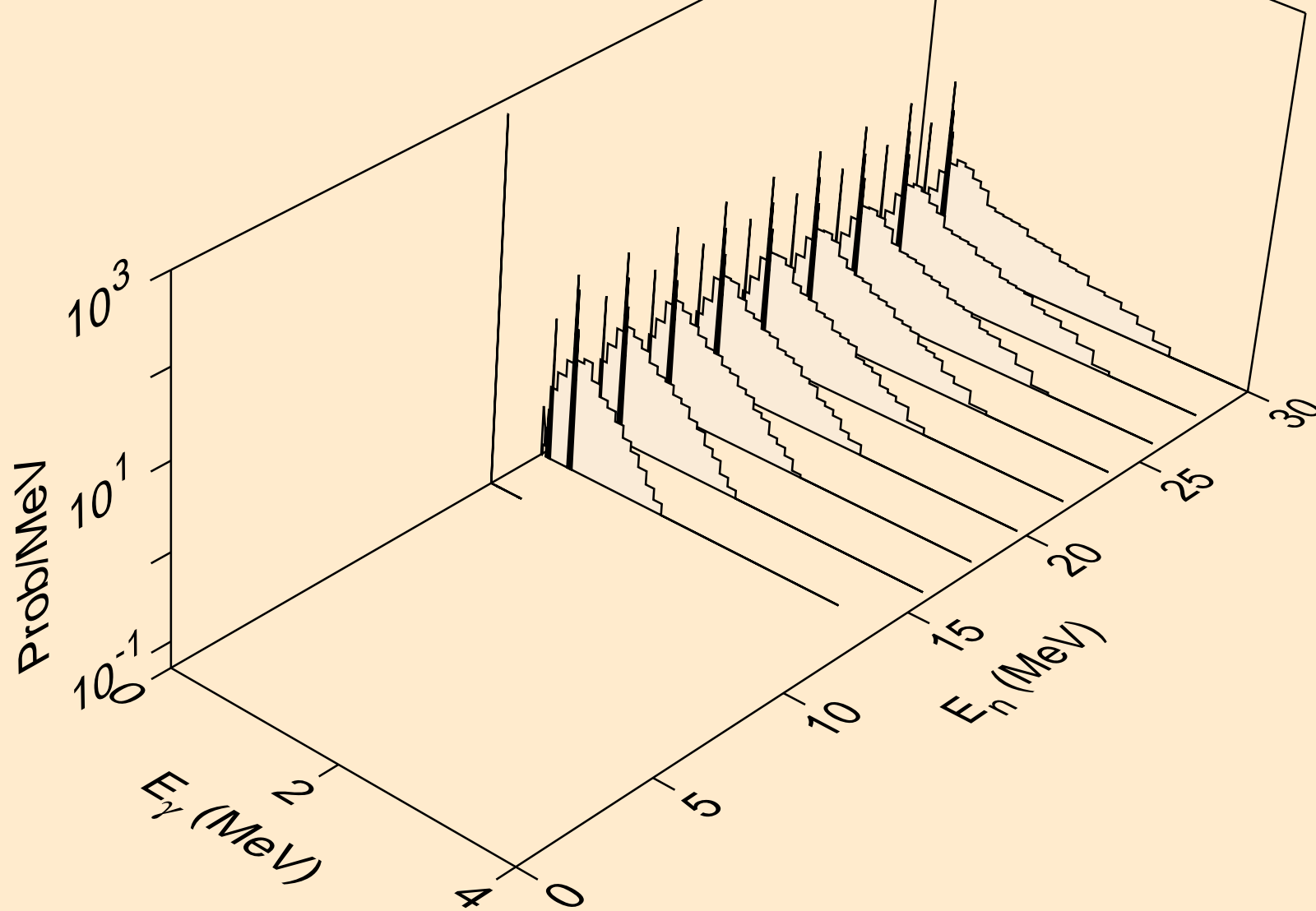
TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,d)



TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,t)

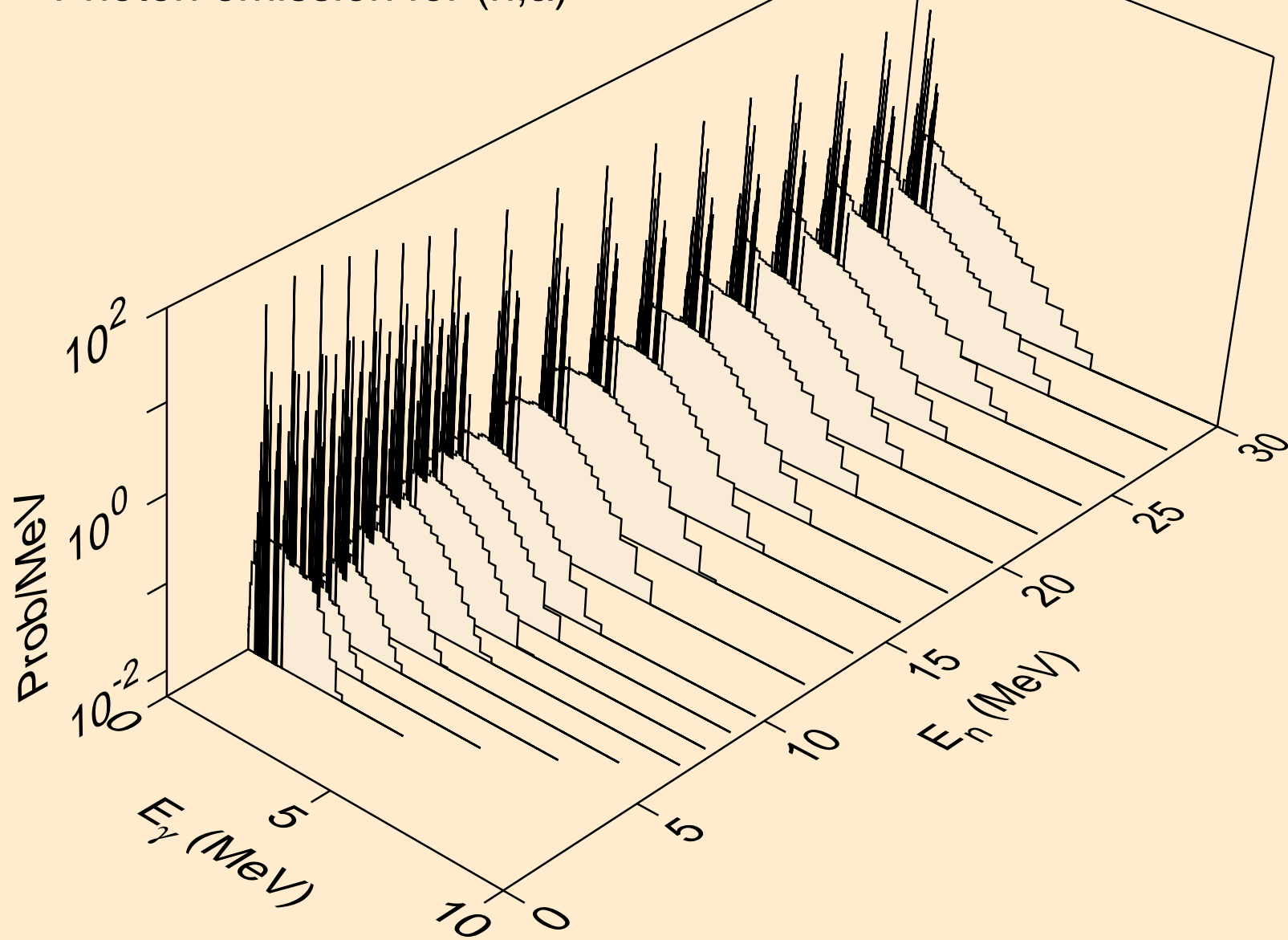


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Photon emission for (n,he3)

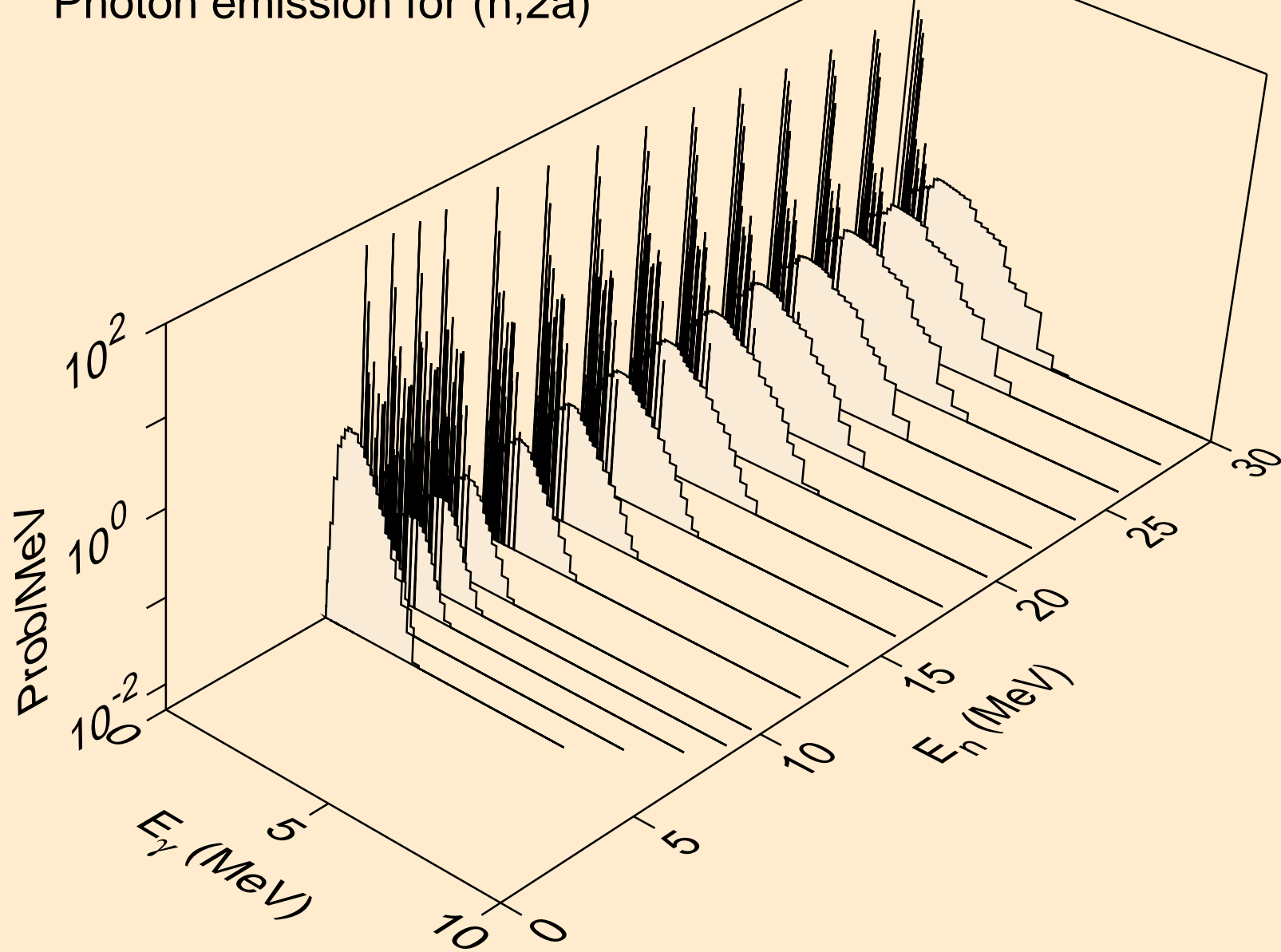




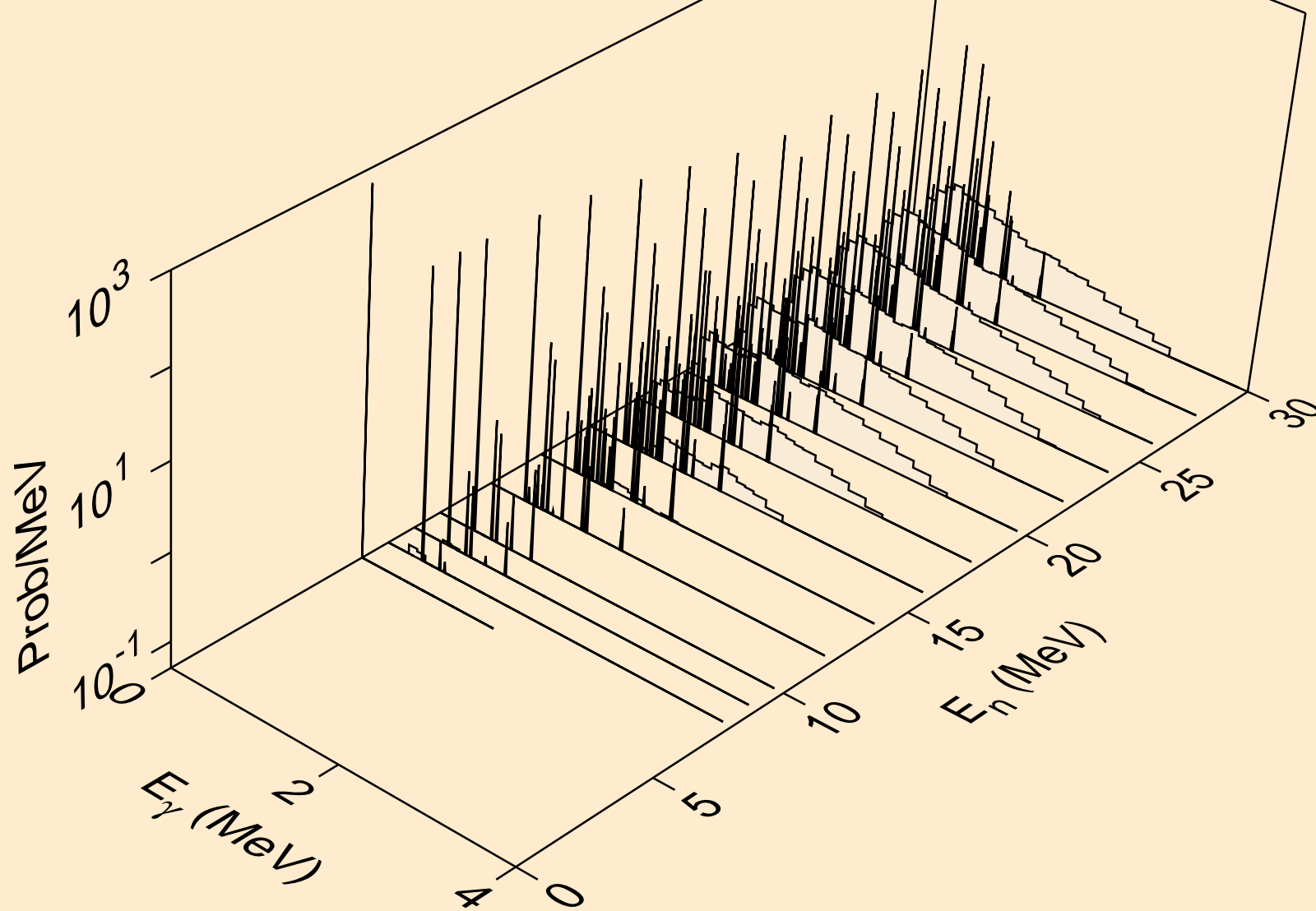
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Photon emission for (n,a)



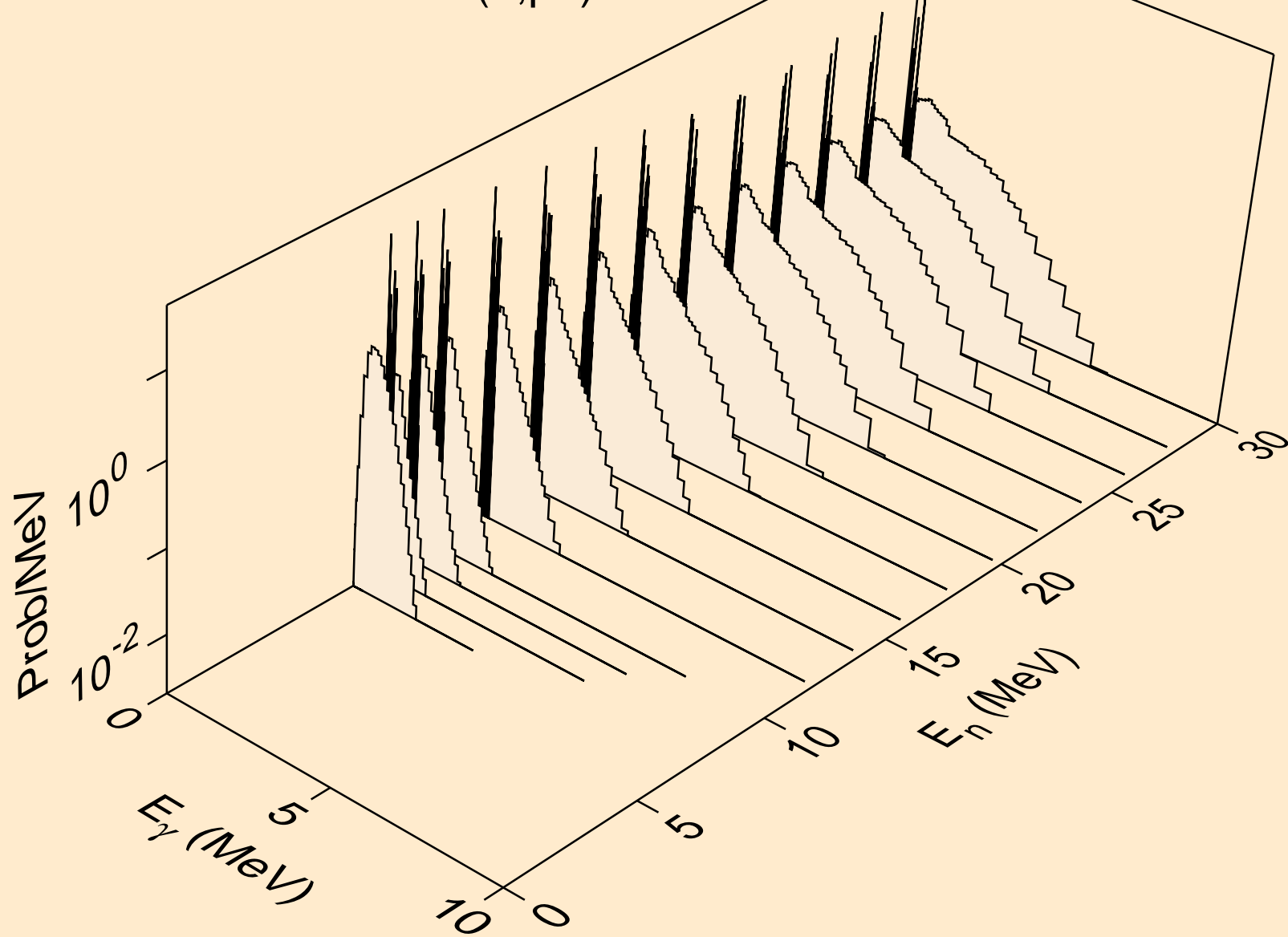
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Photon emission for (n,2a)



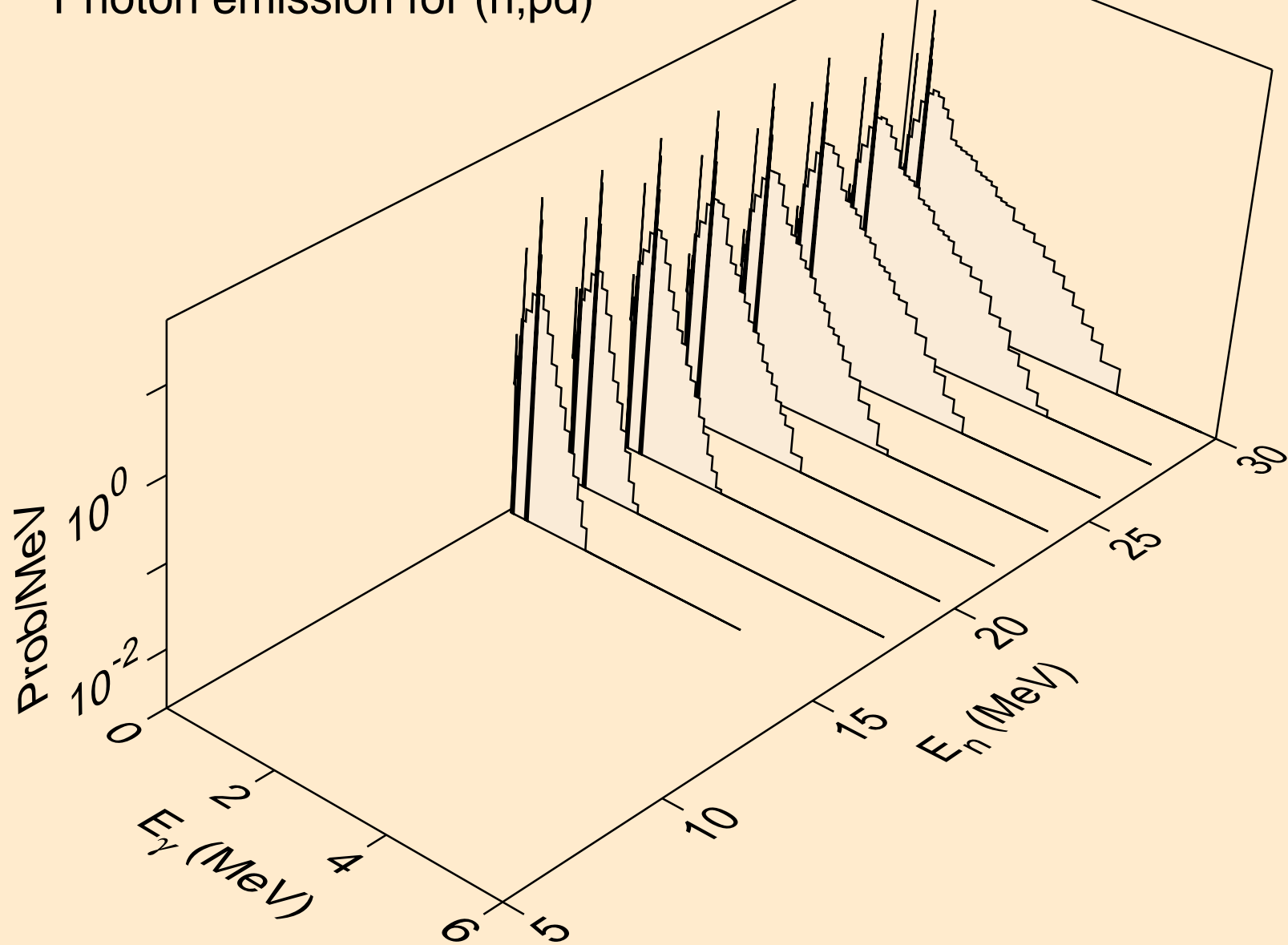
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Photon emission for (n,2p)



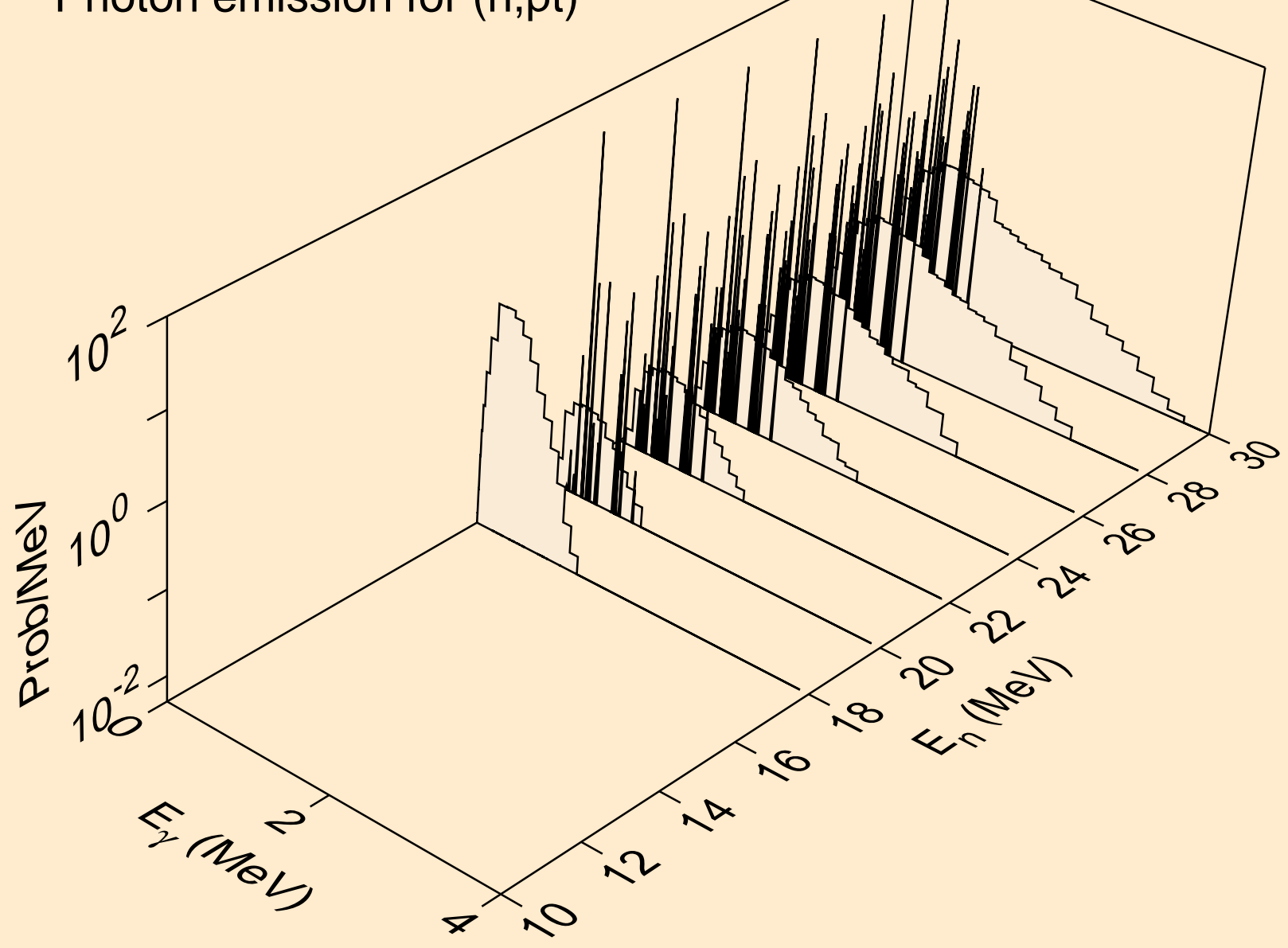
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Photon emission for (n,pa)



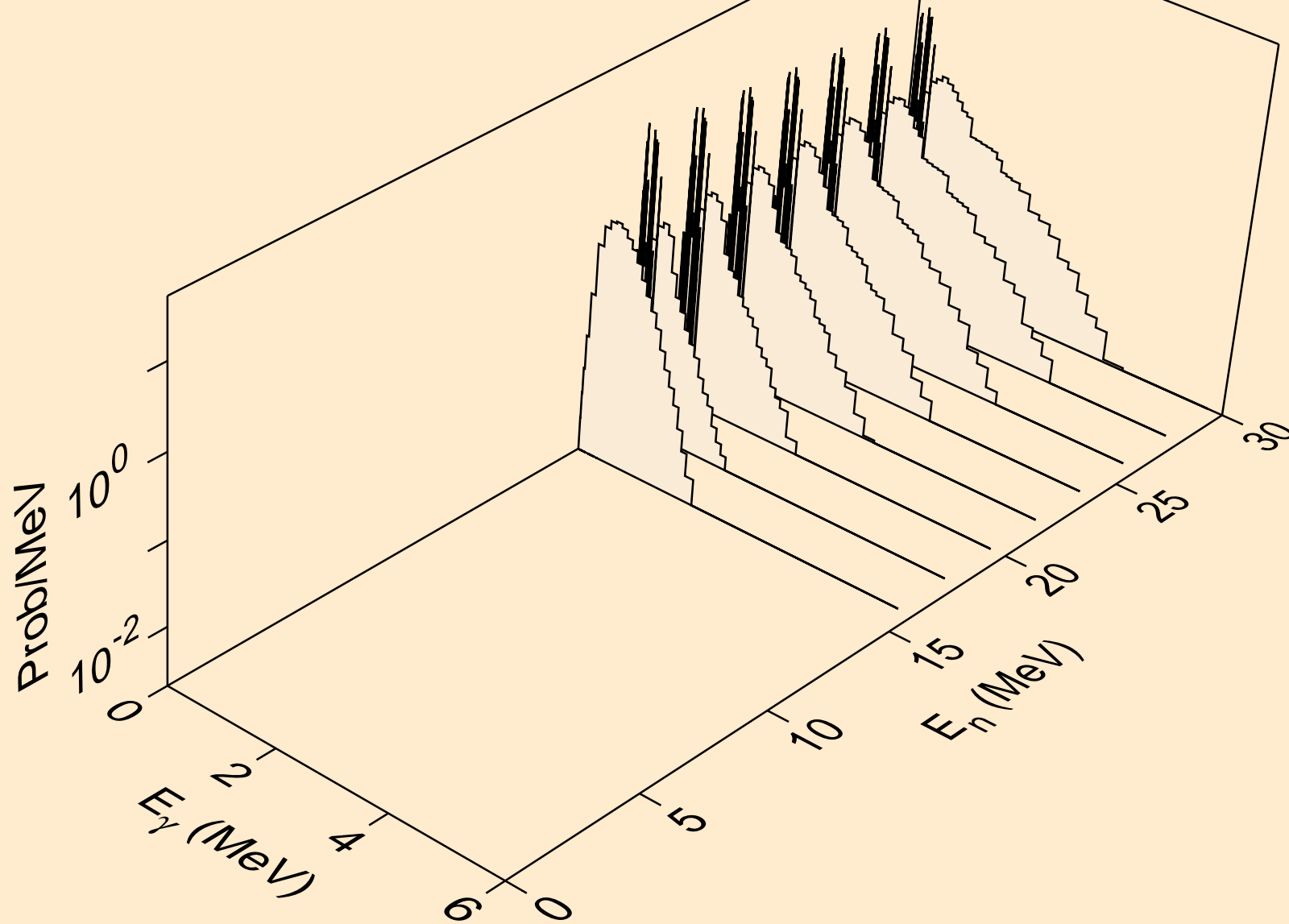
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Photon emission for (n,pd)



TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pt)

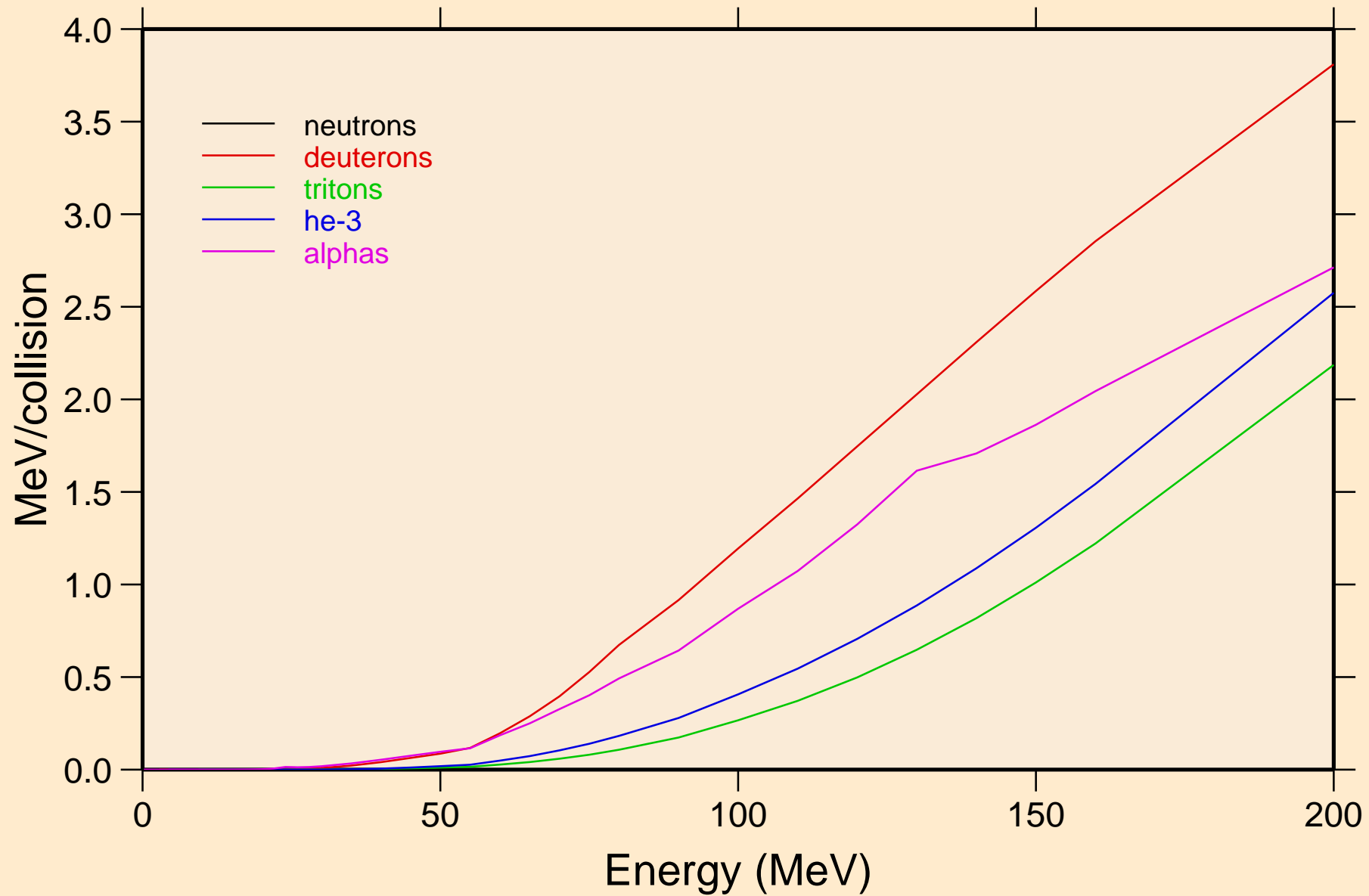


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Photon emission for (n,da)



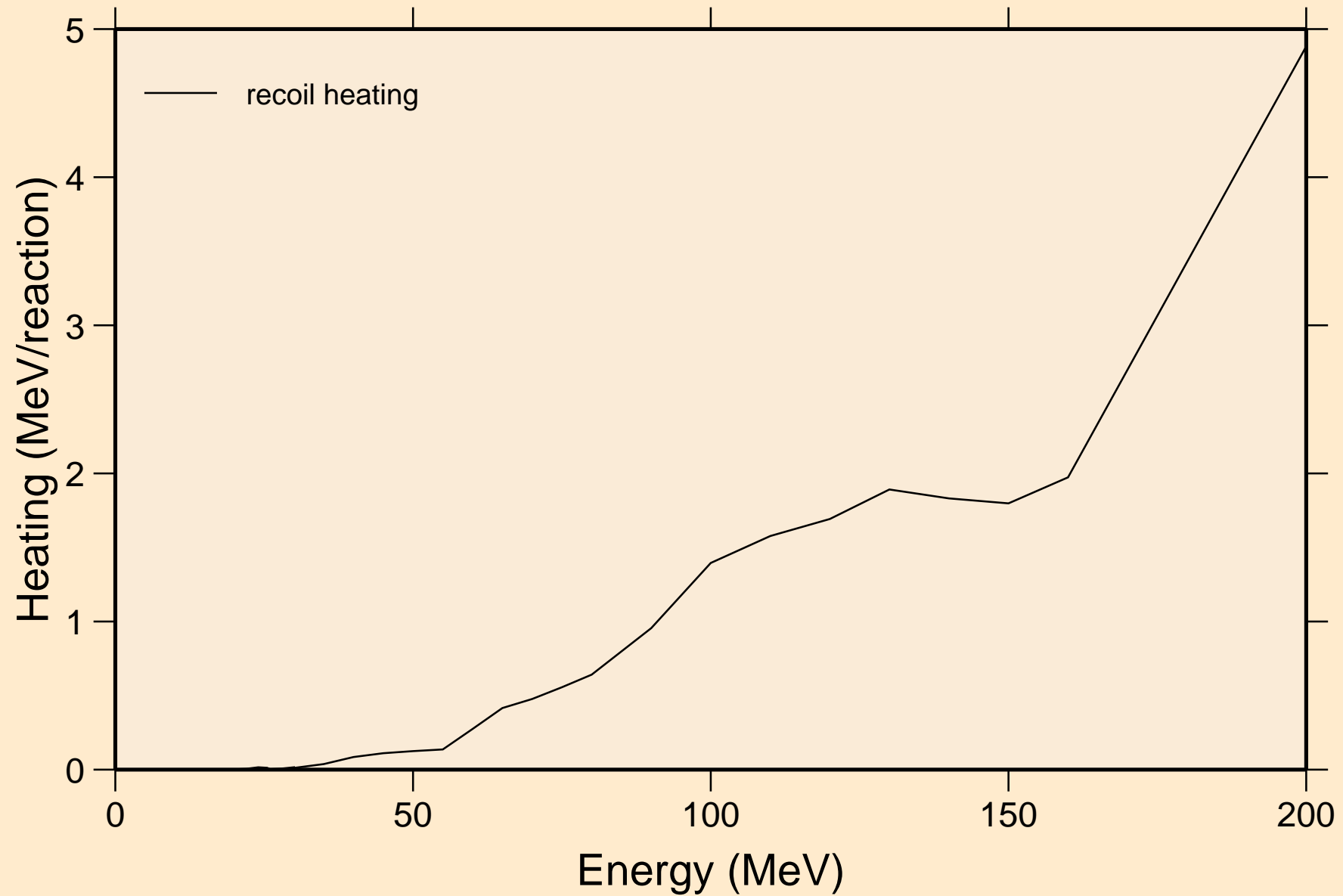
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## Particle heating contributions

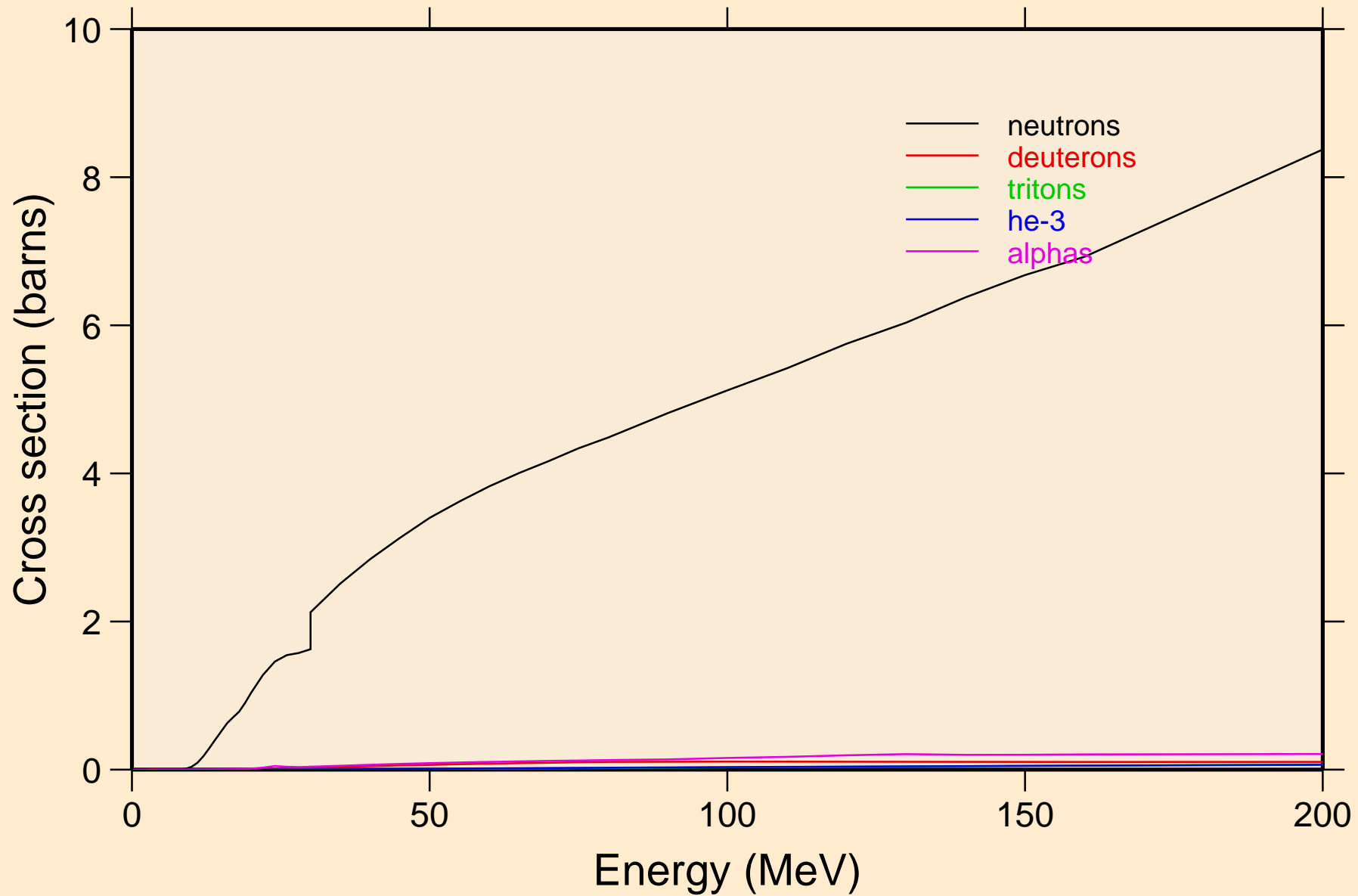




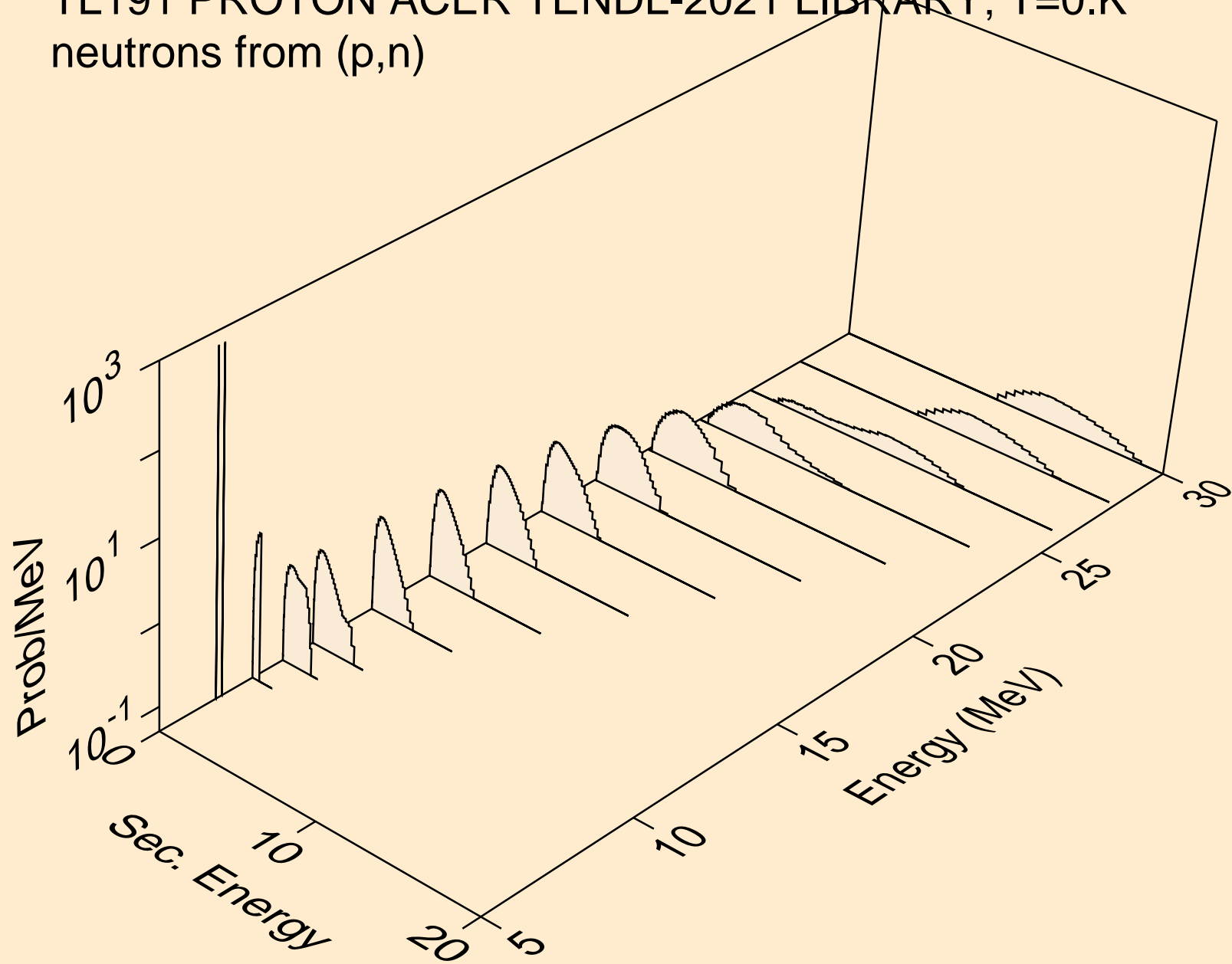
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Recoil Heating



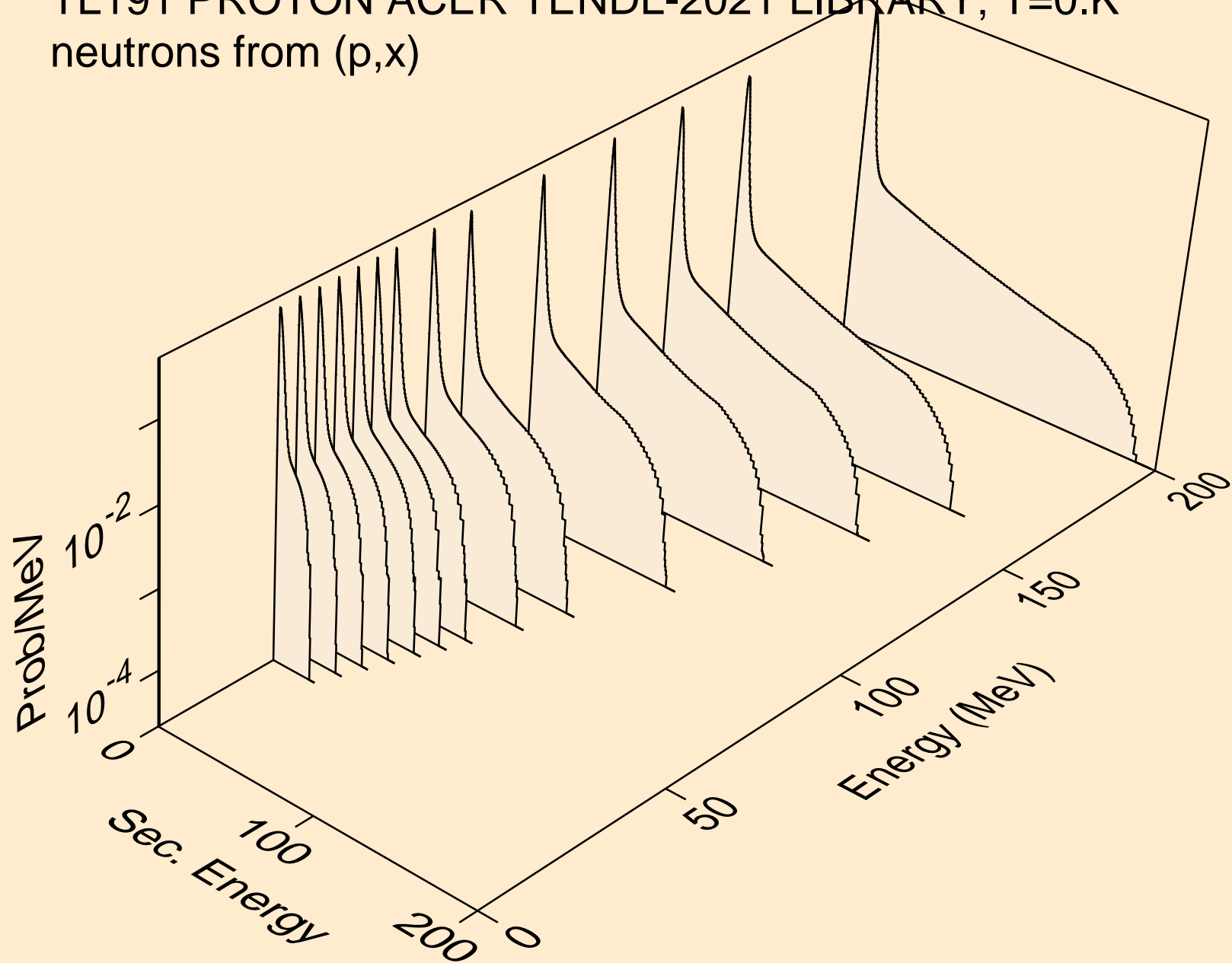
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Particle production cross sections



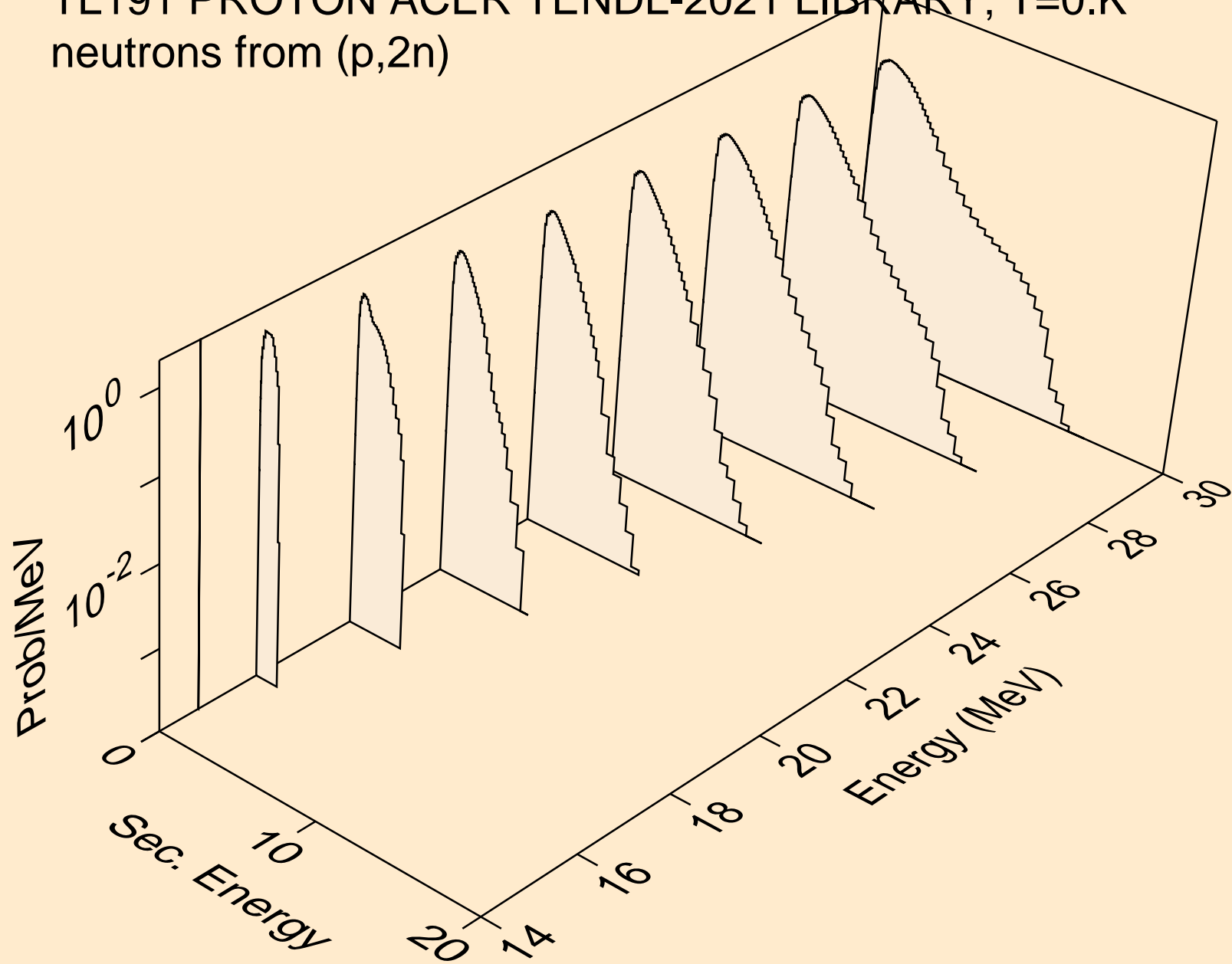
TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n)



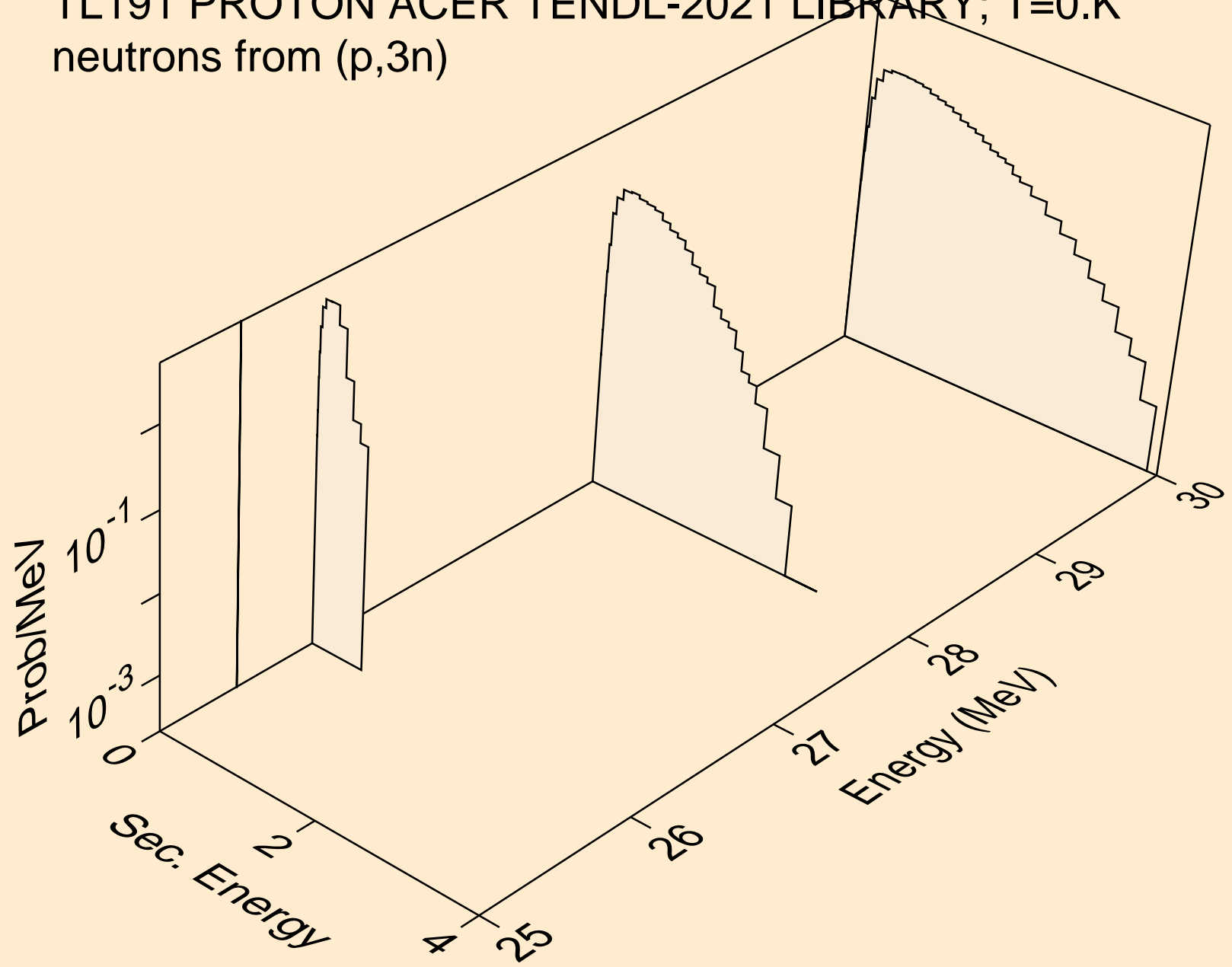
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neutrons from (p,x)



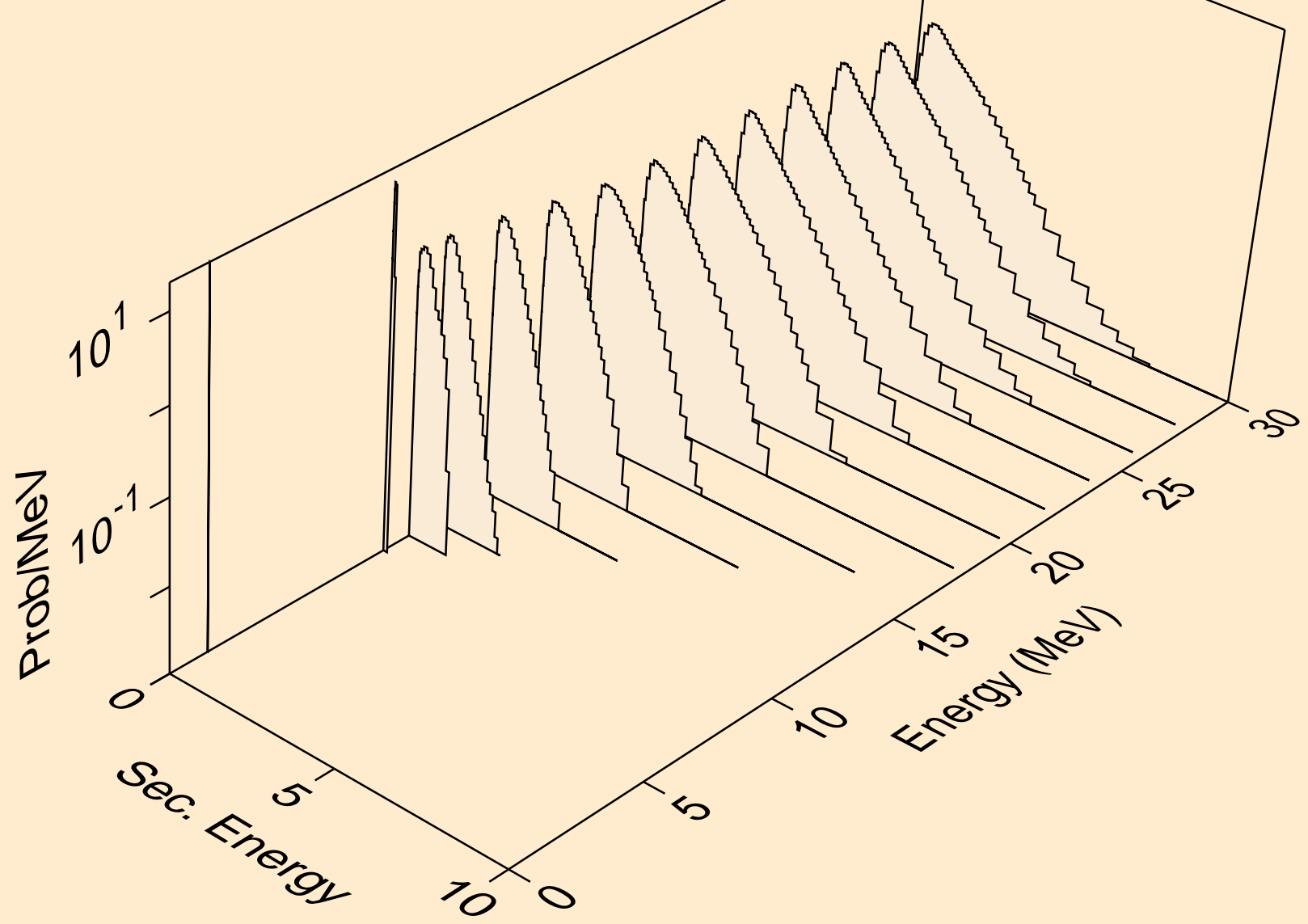
TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
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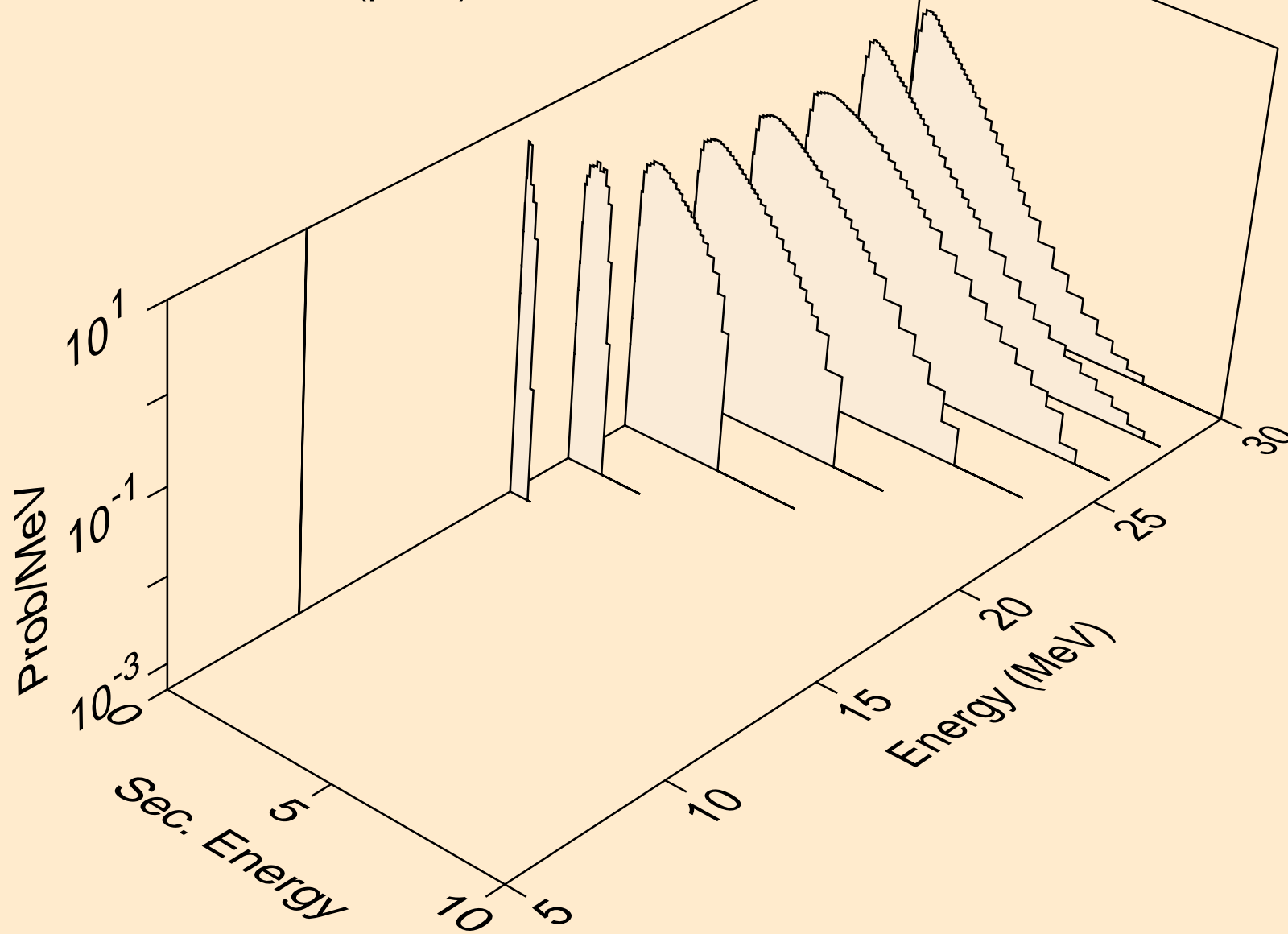
TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,3n)



TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)a

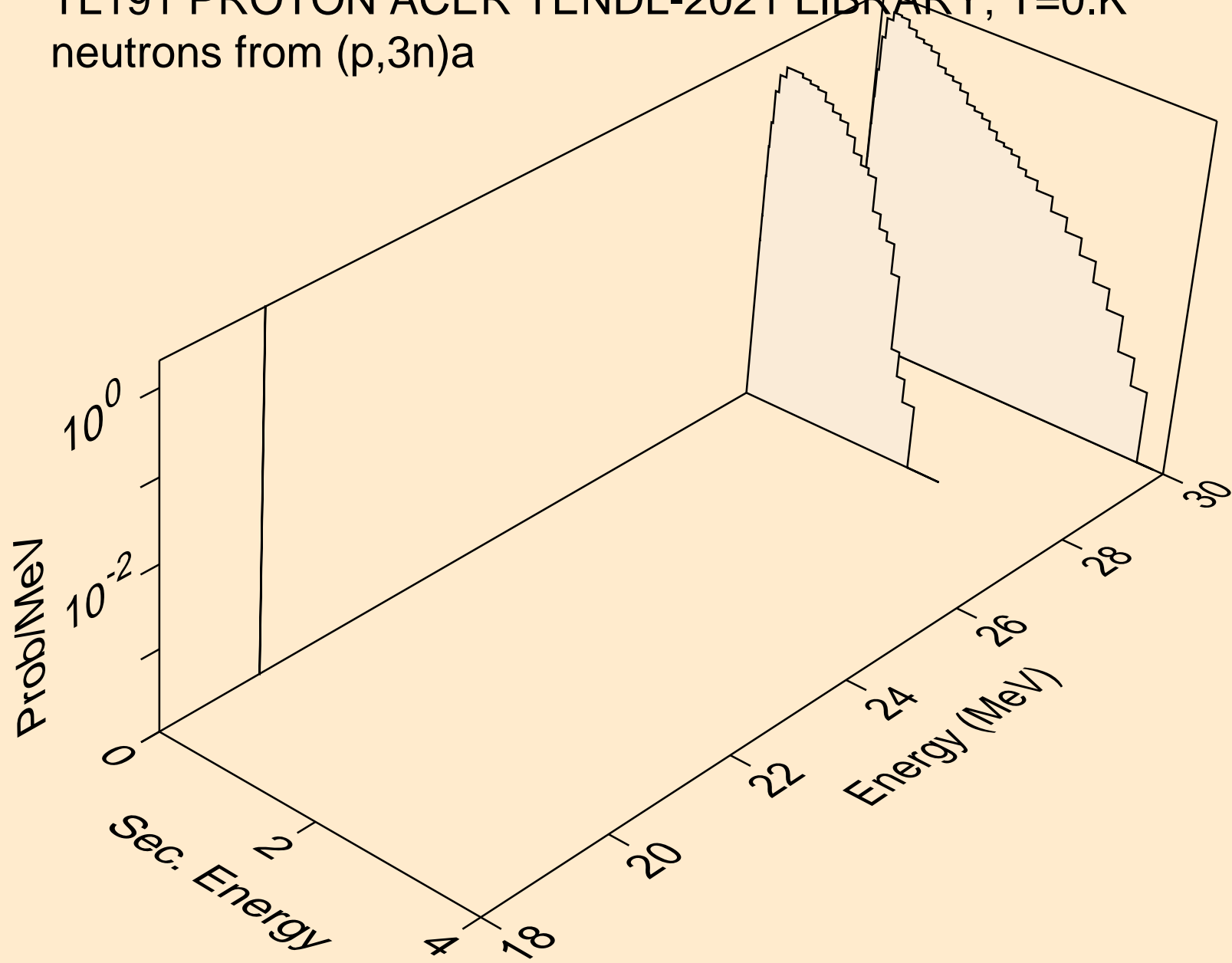


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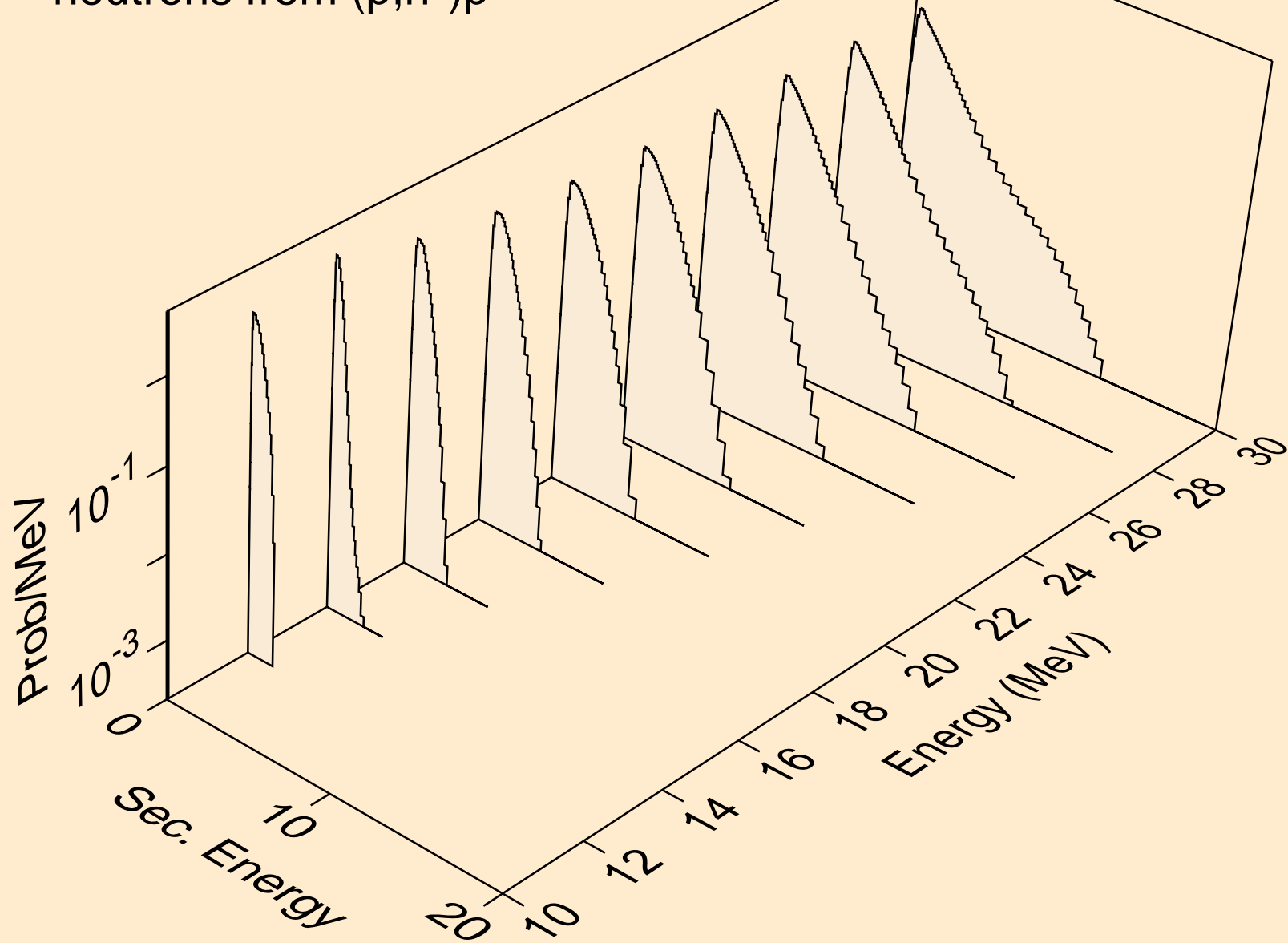




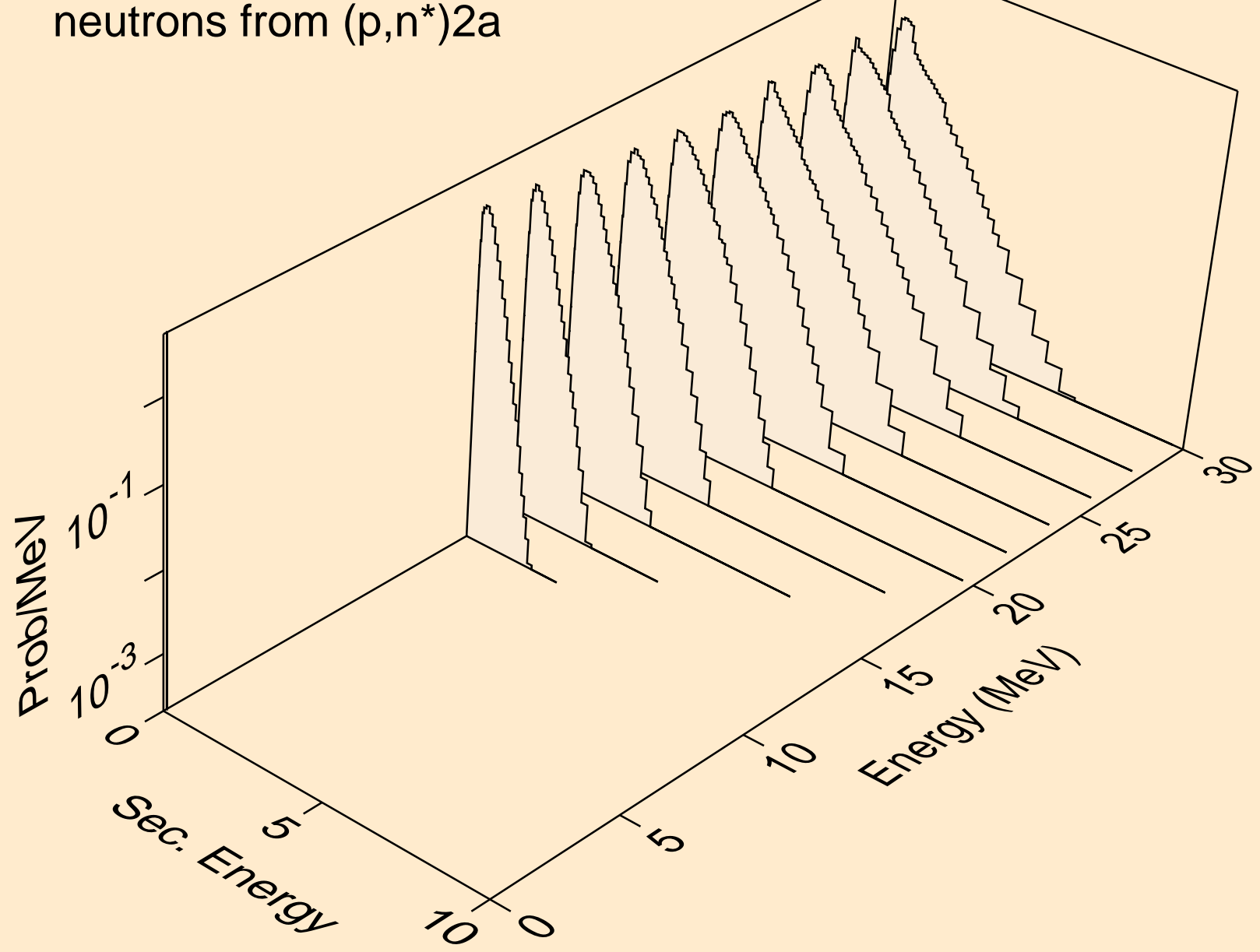
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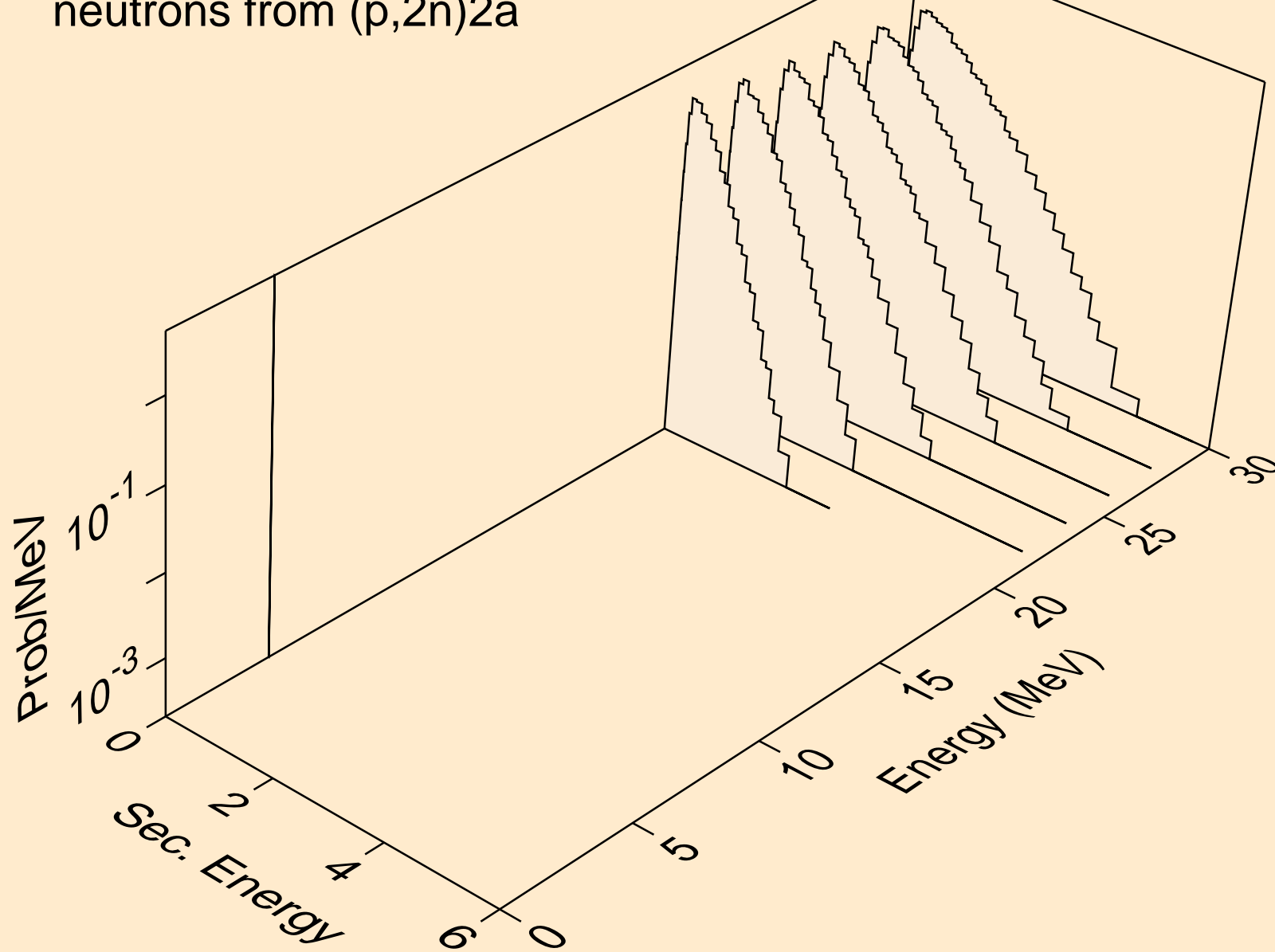
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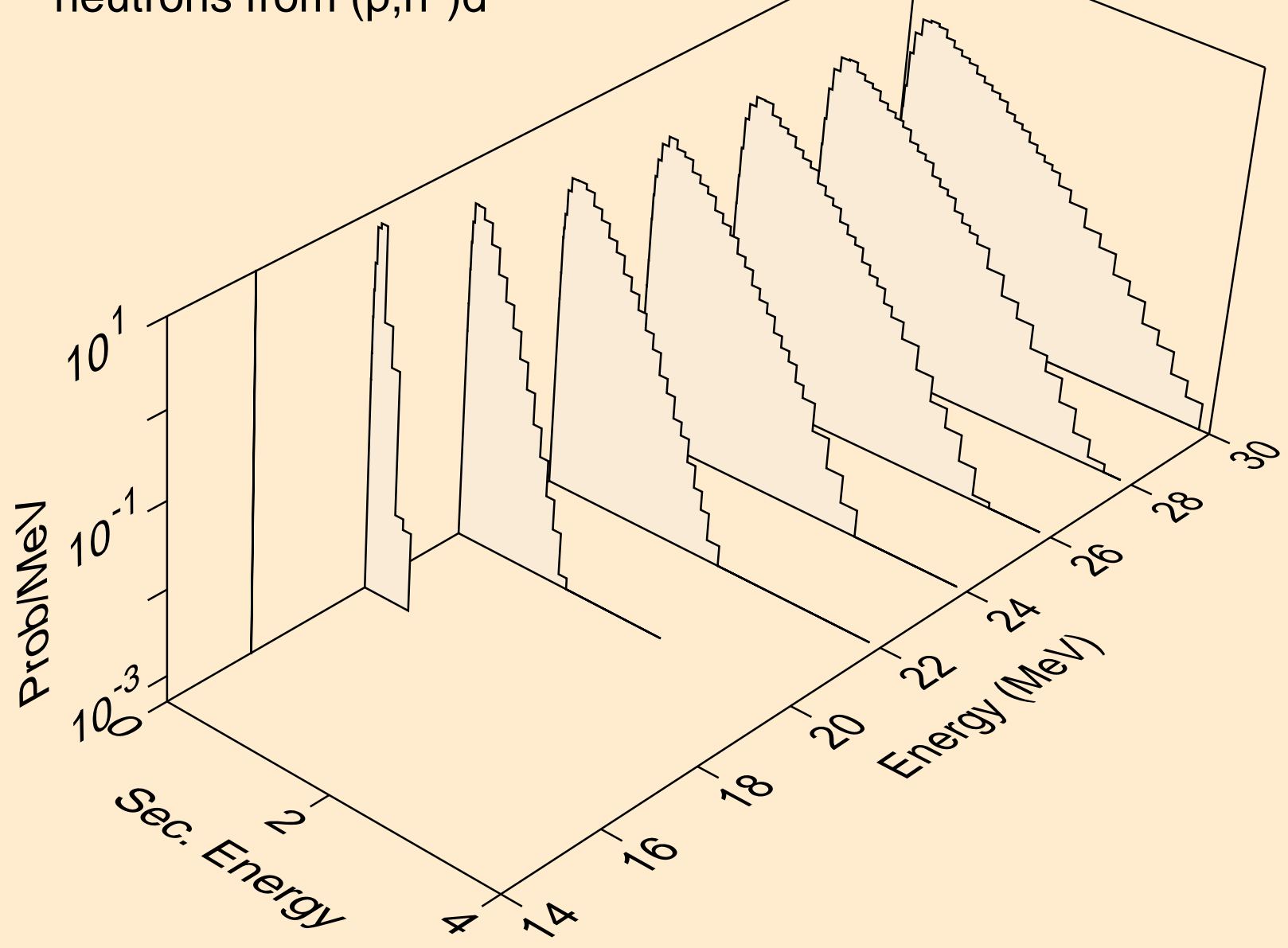
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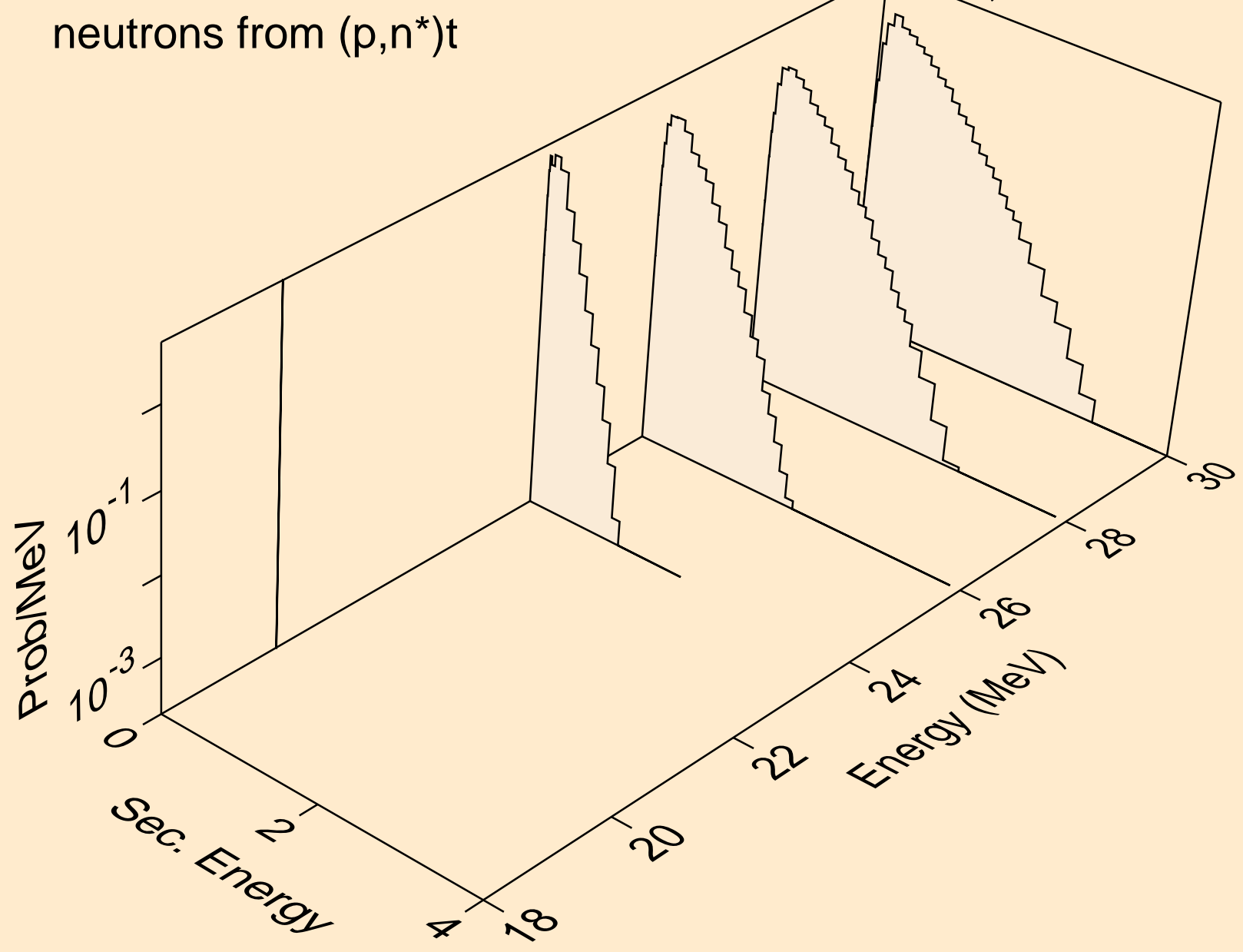
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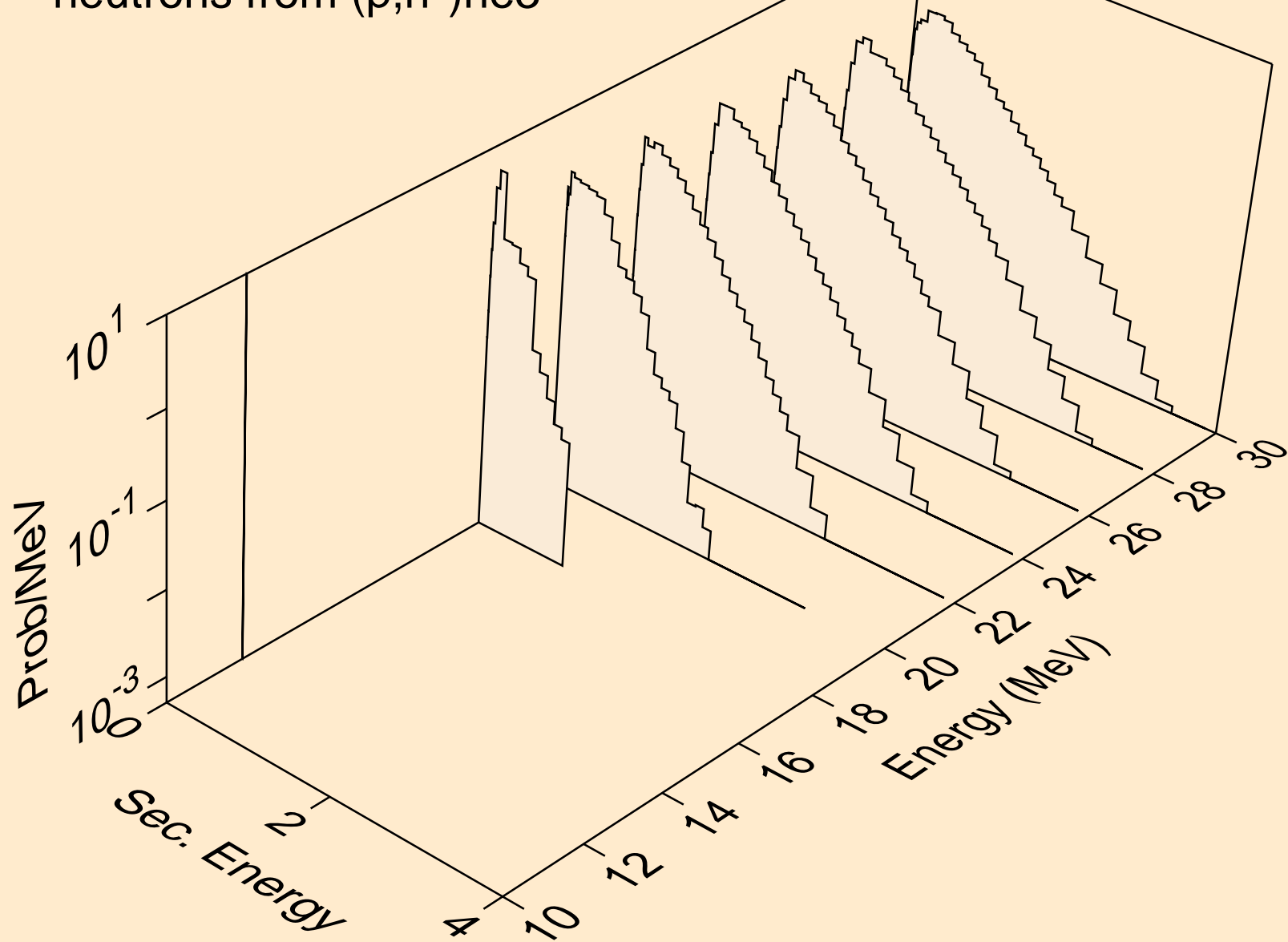
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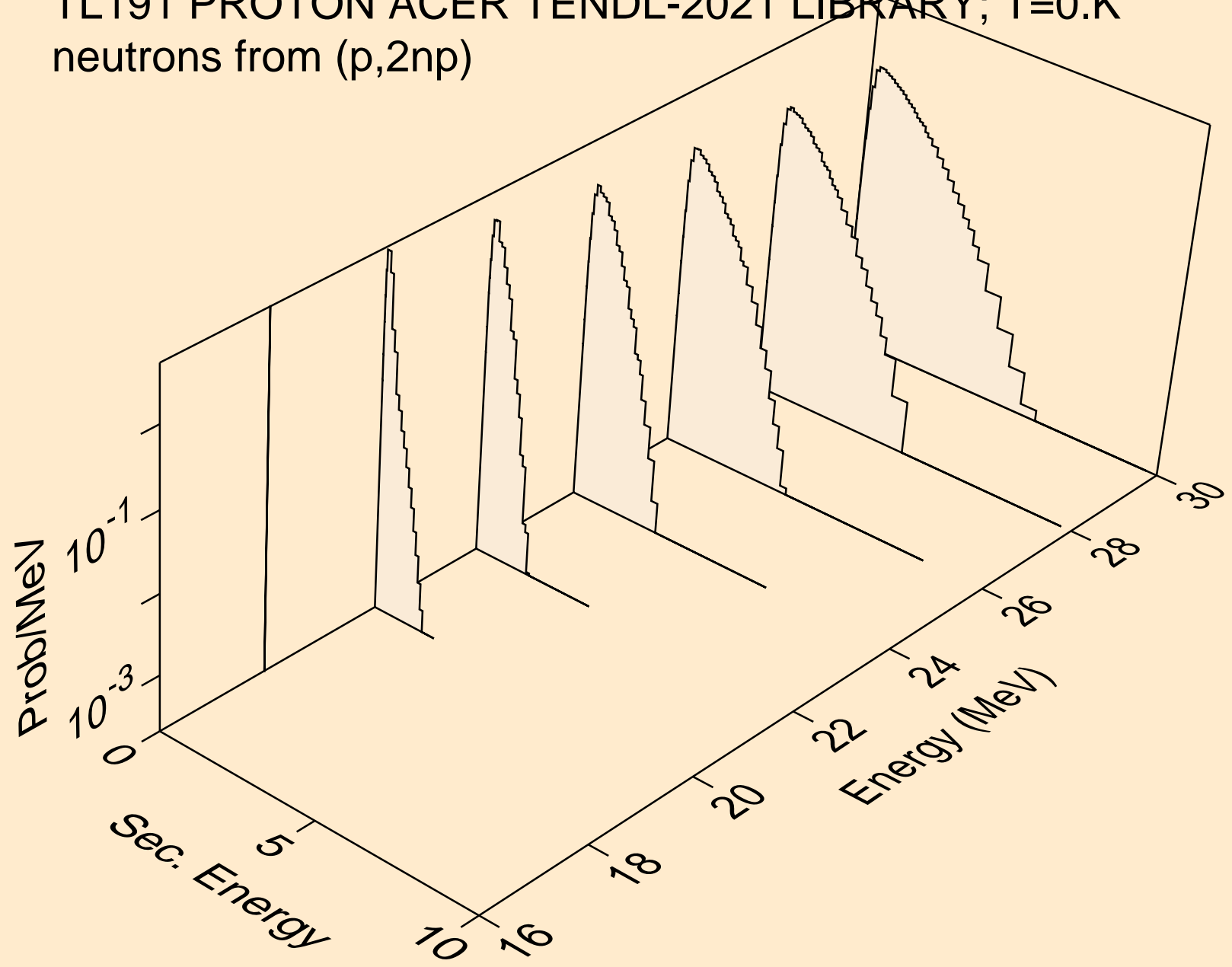
TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)t



TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)he3

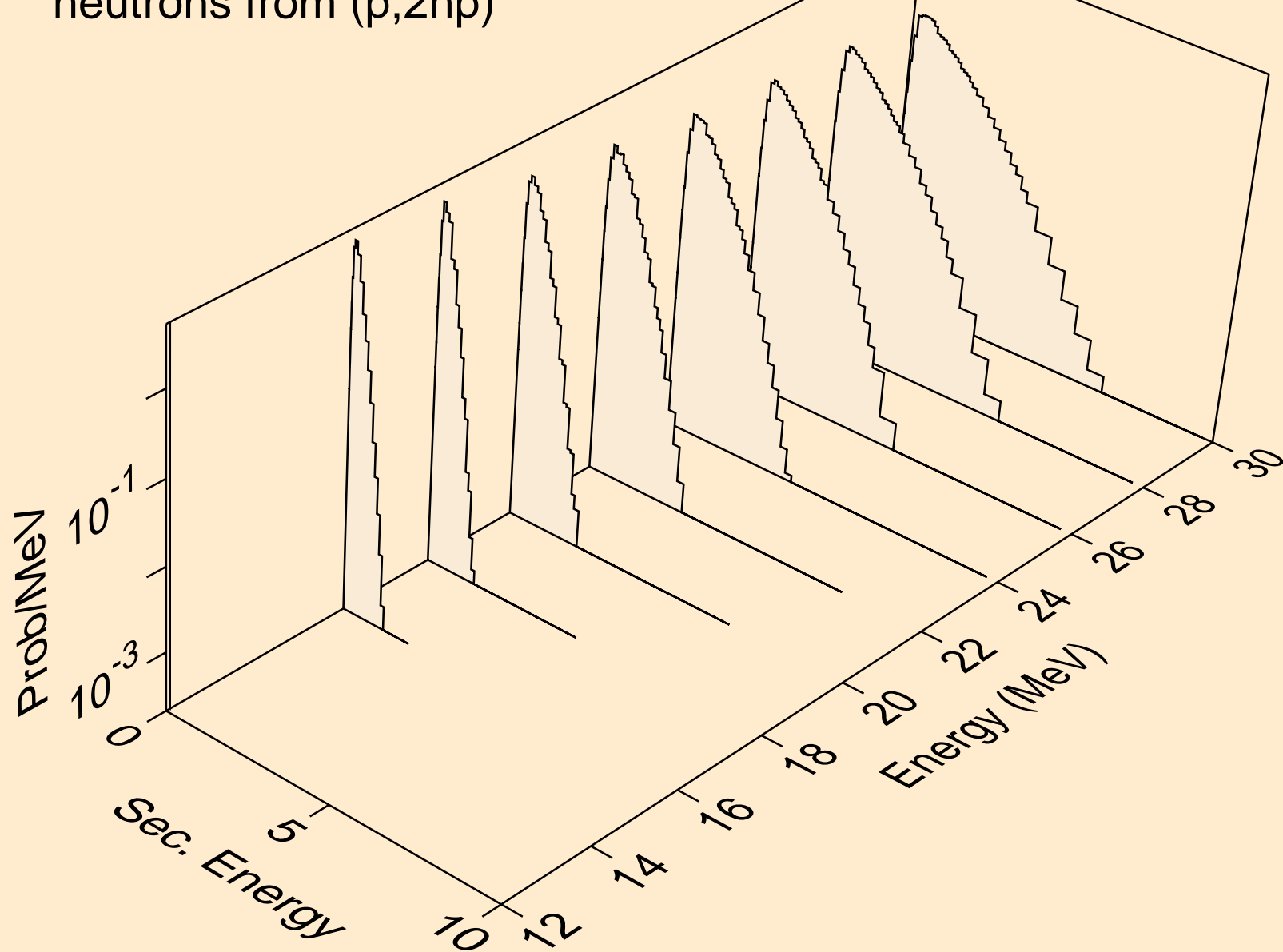


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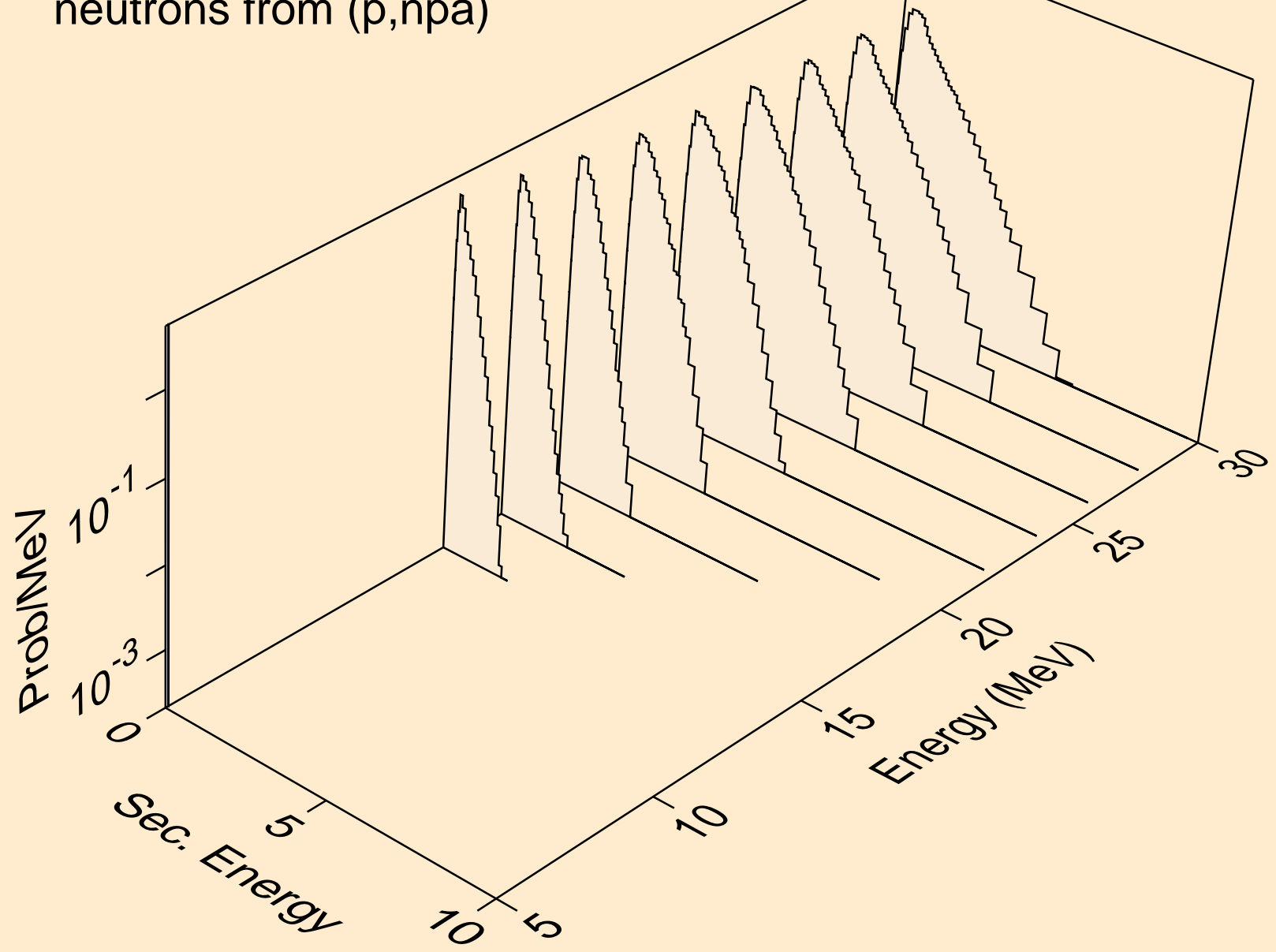




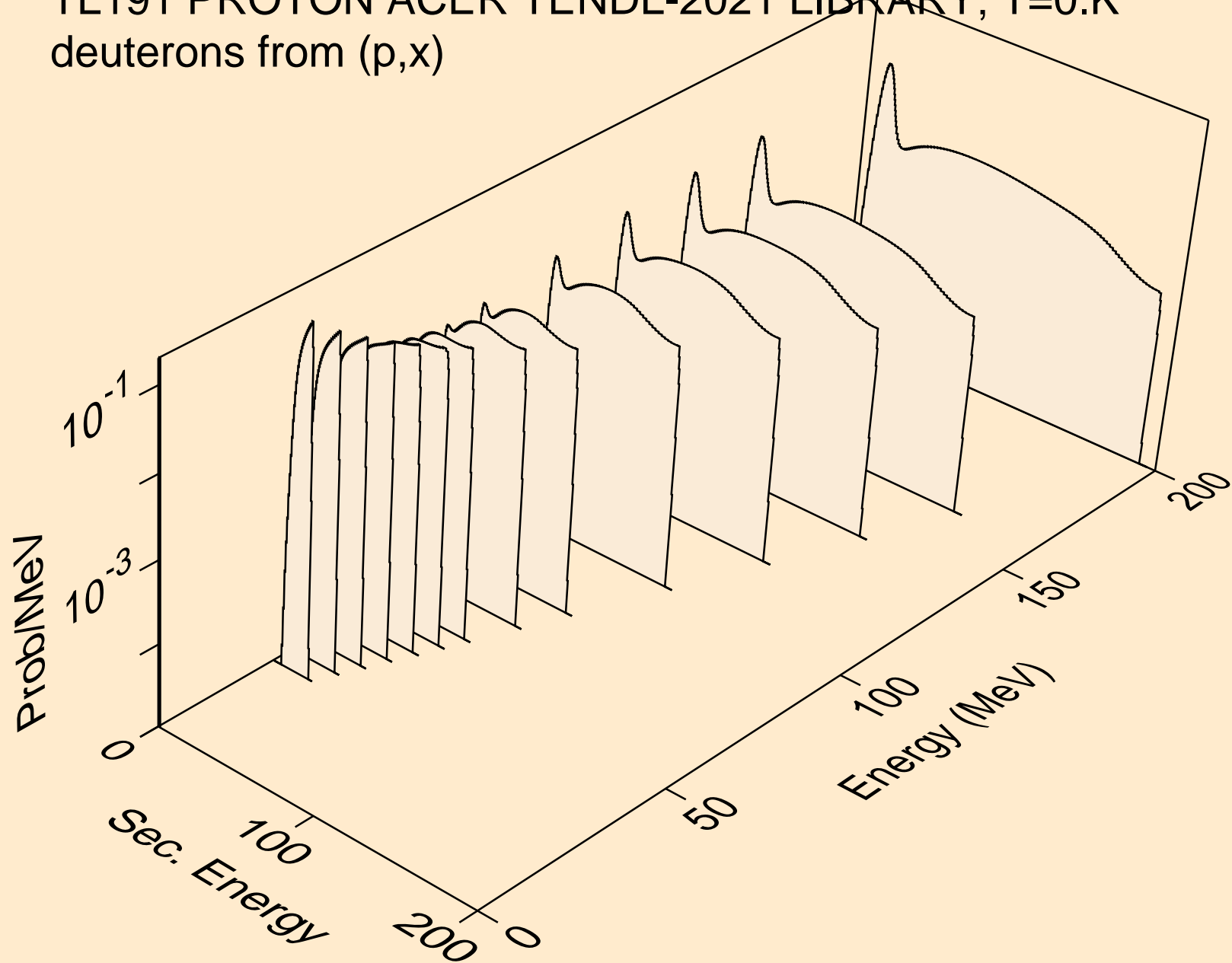
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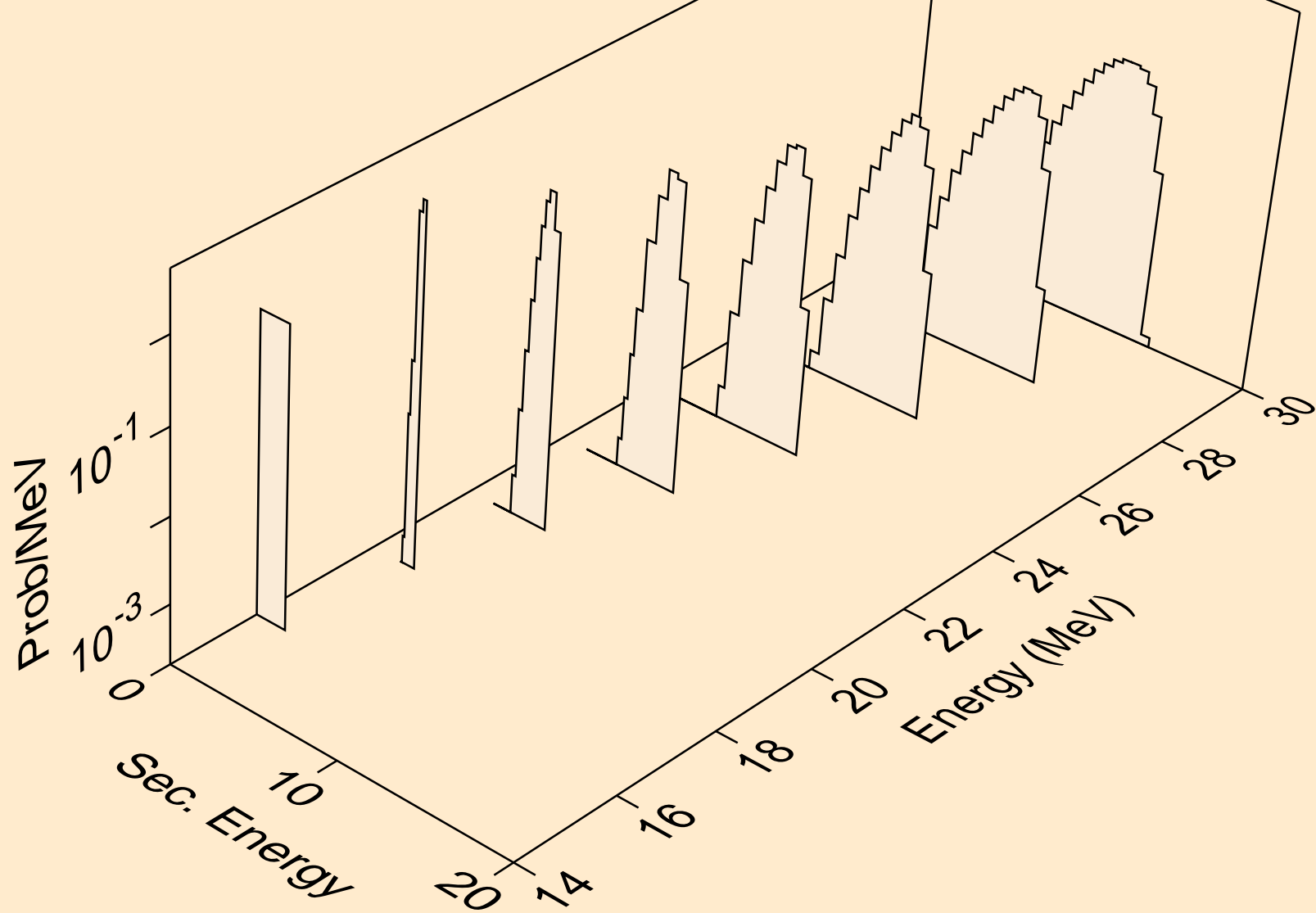
TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,npa)



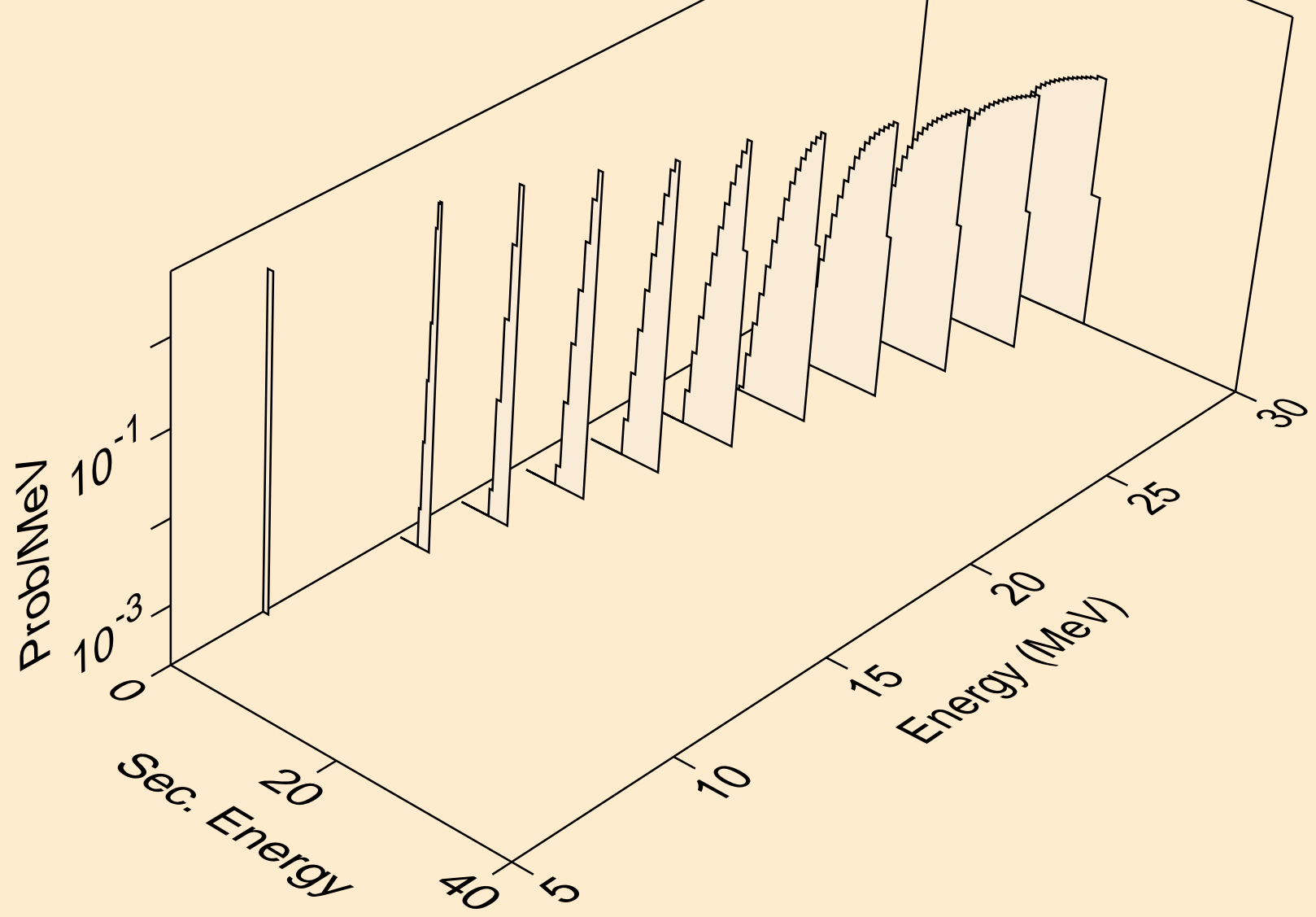
TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,x)



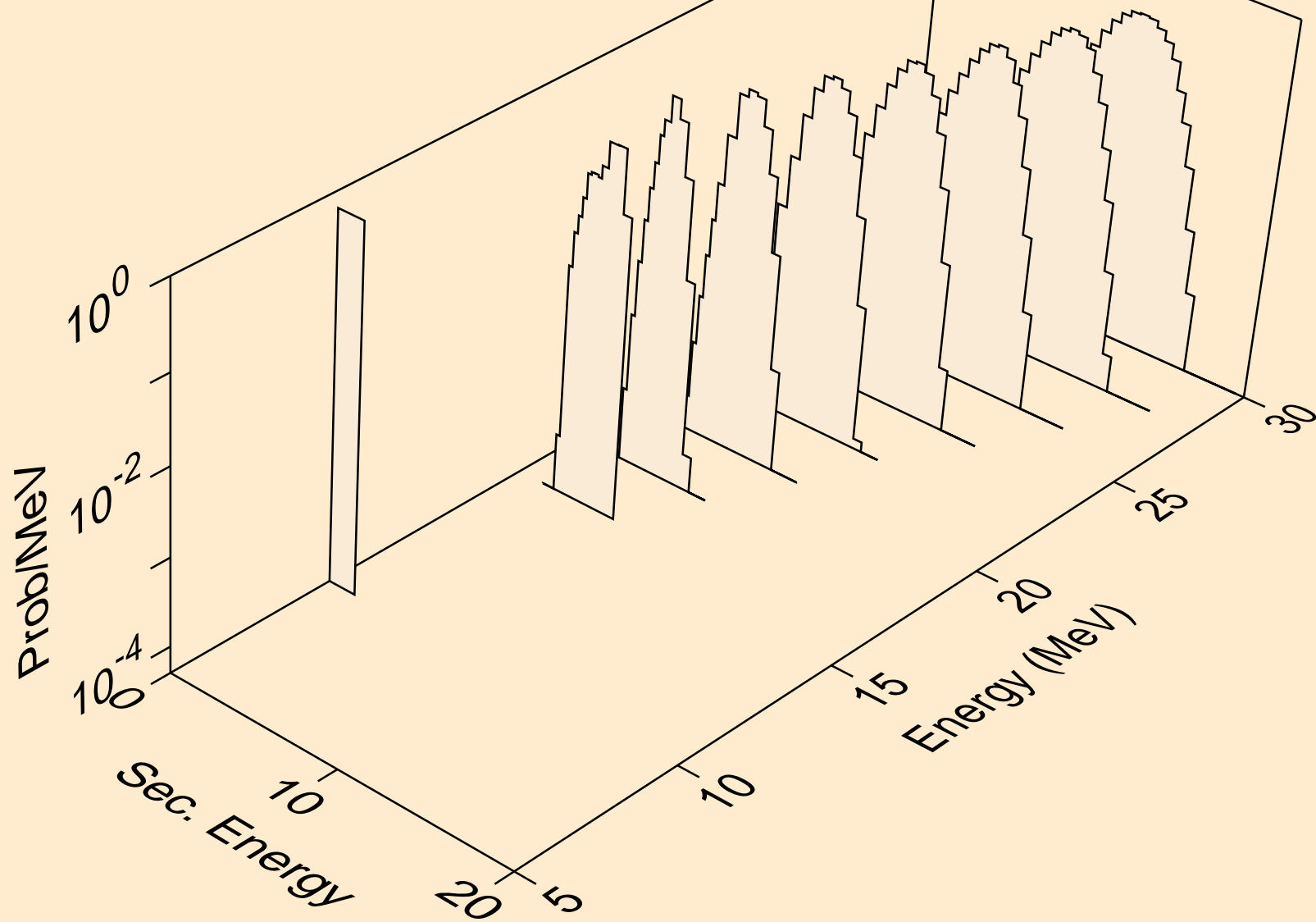
TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,n\*)d



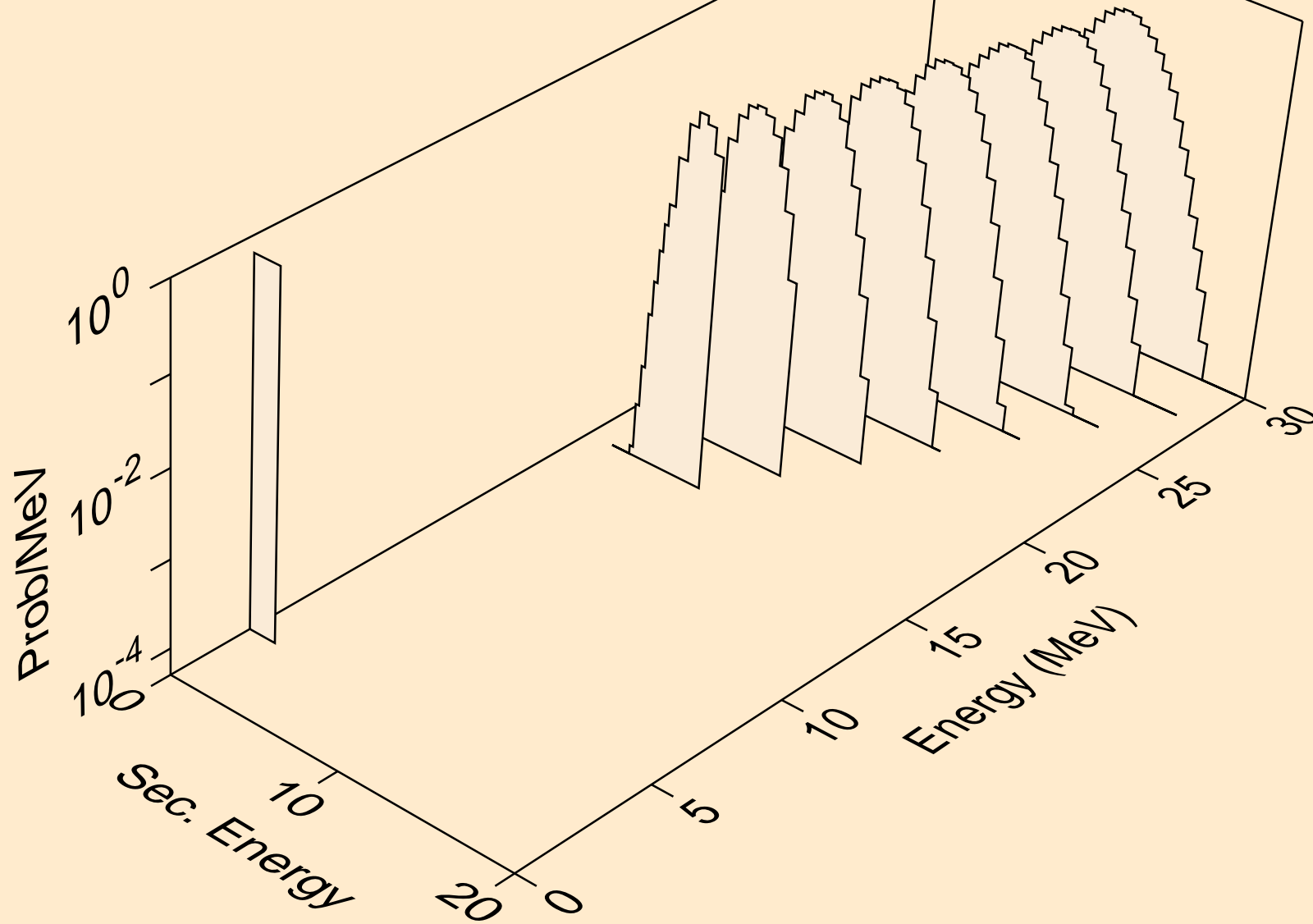
TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,d)



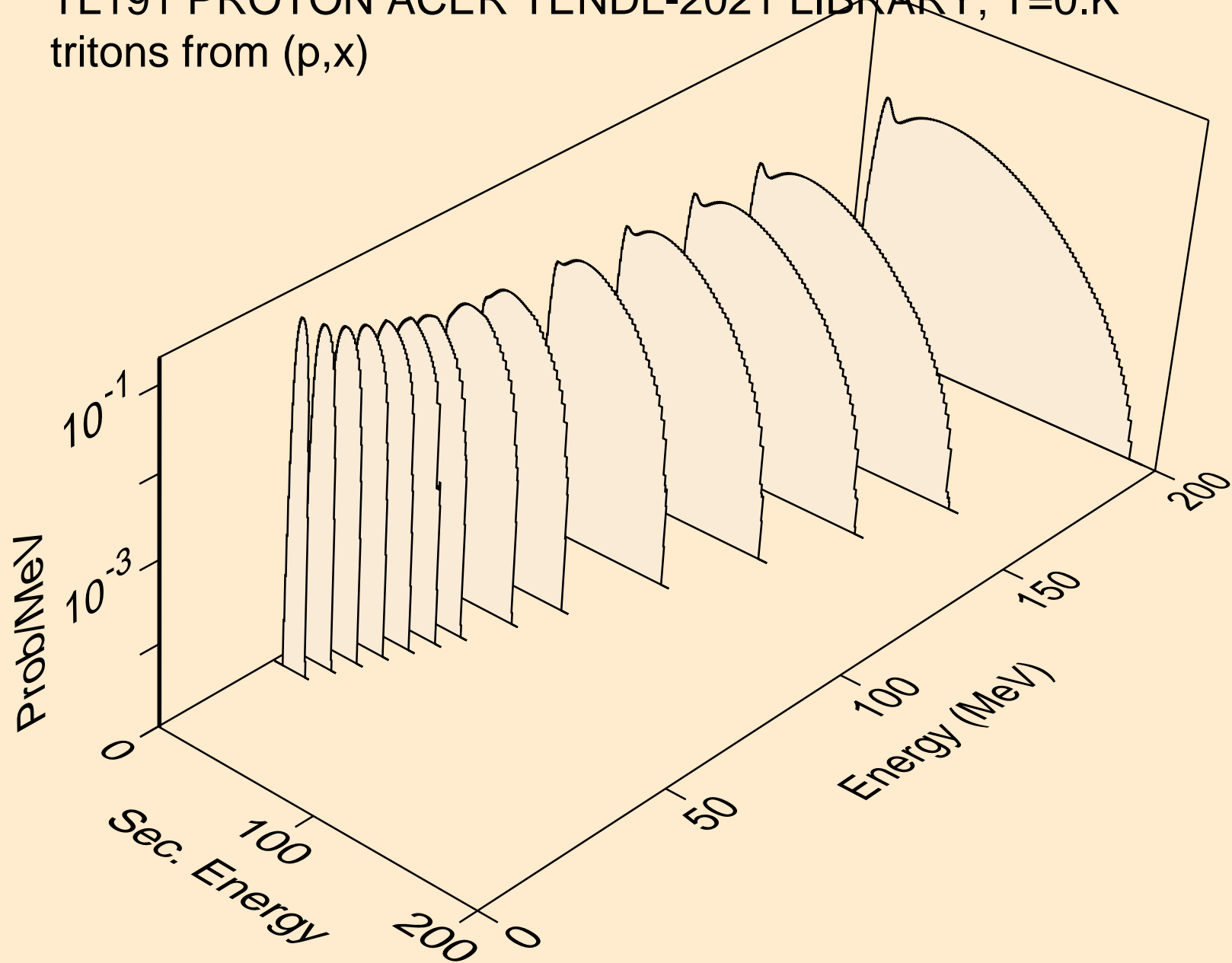
TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,pd)



TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,da)

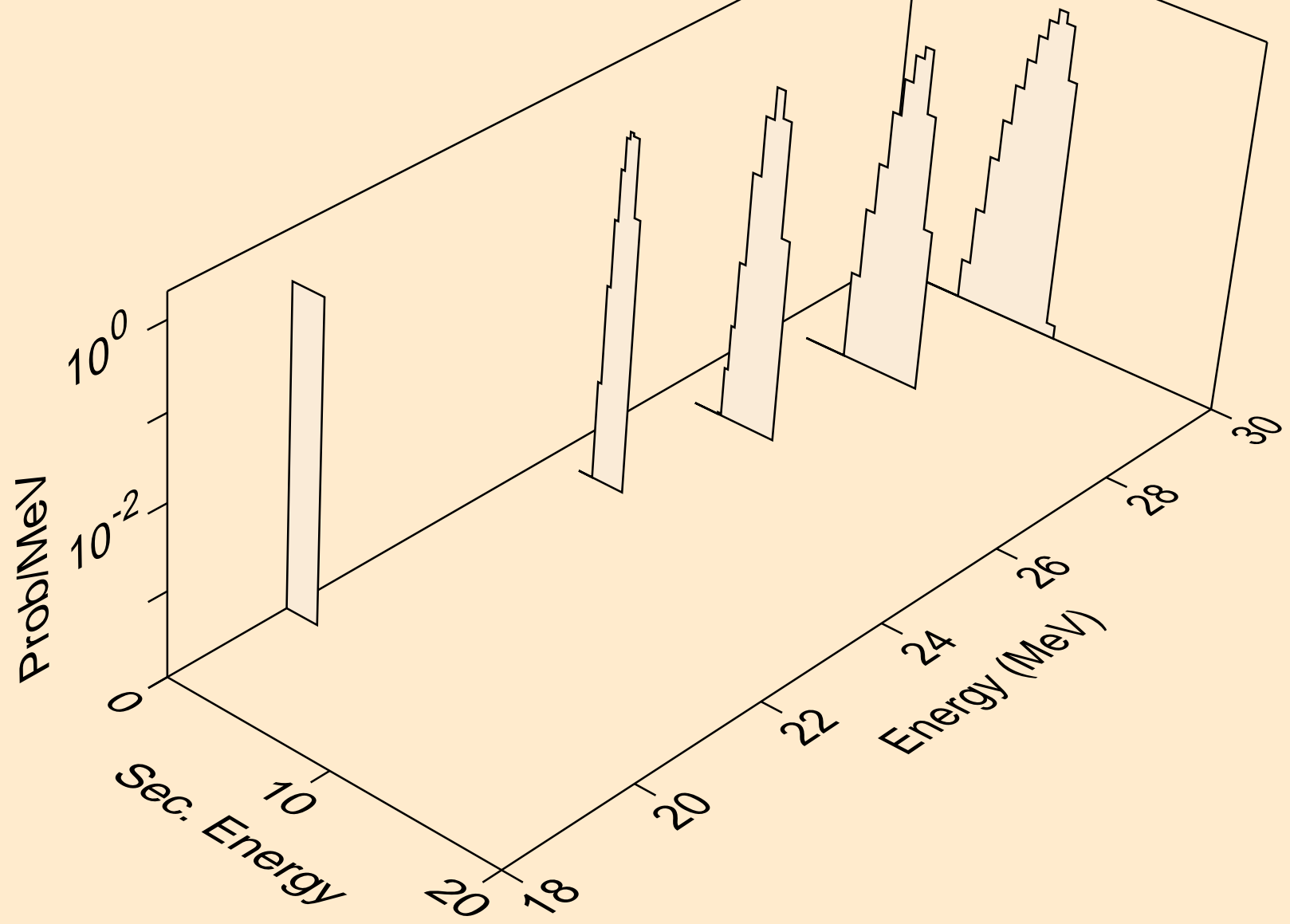


TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,x)

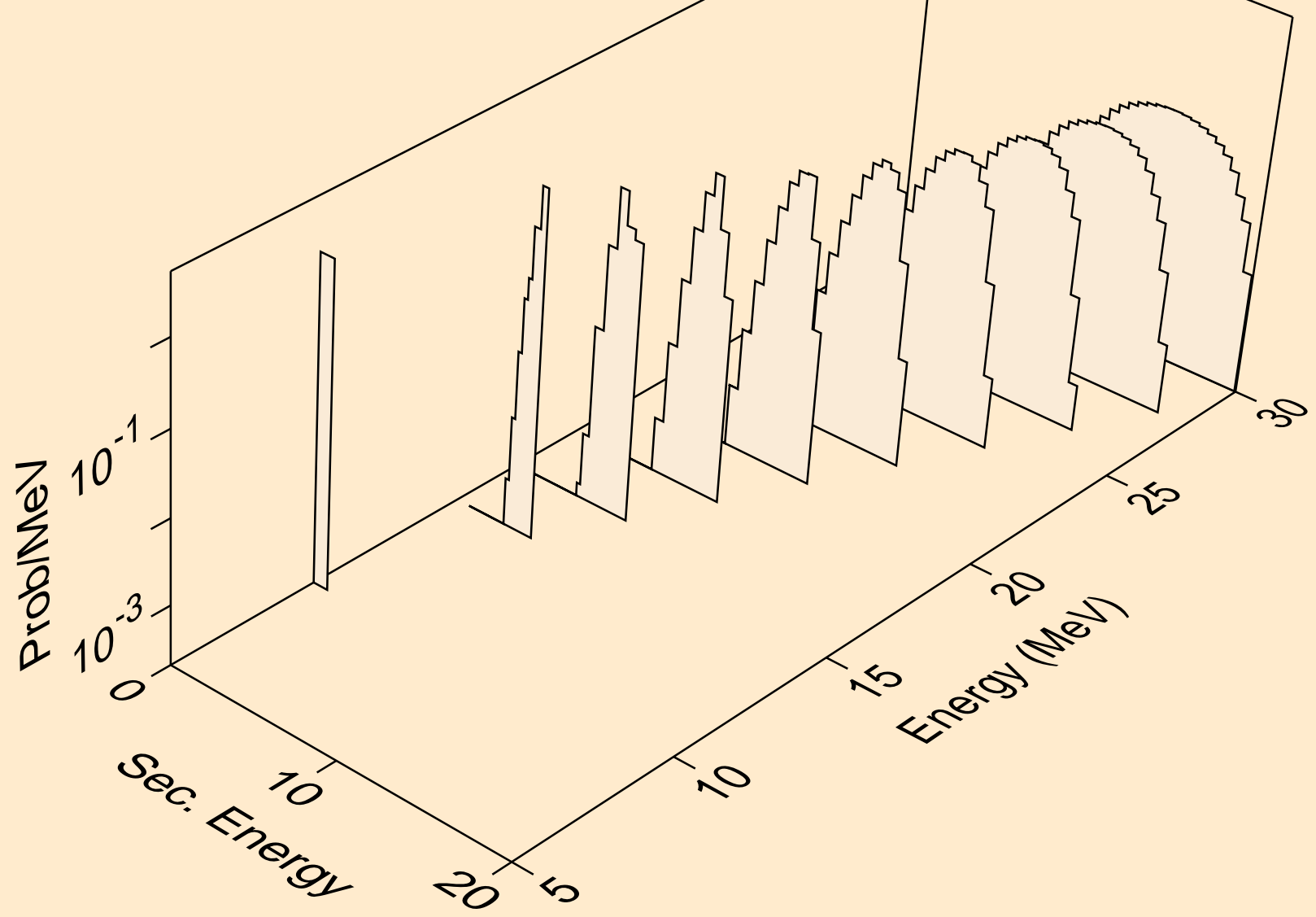




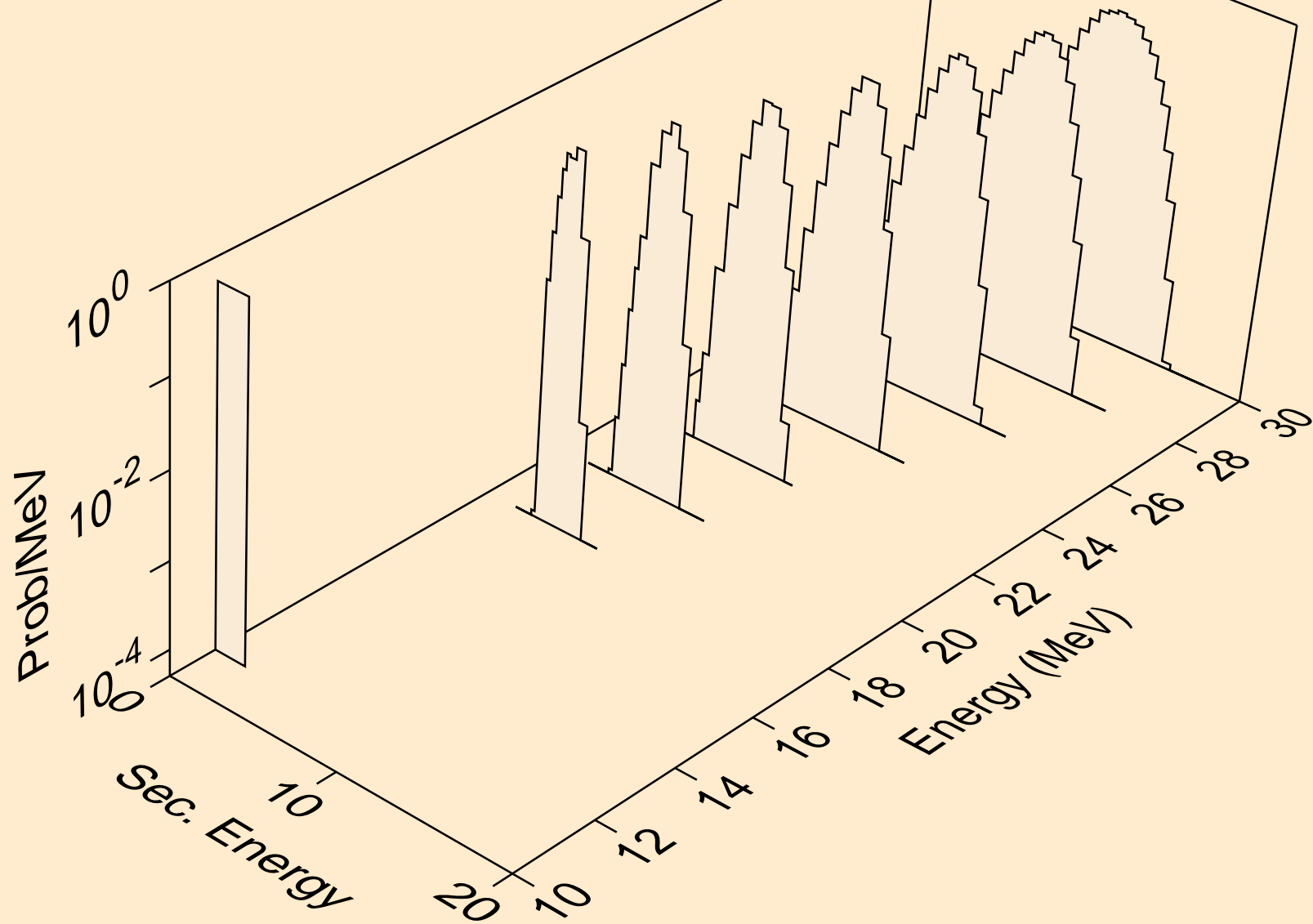
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tritons from (p,n\*)t



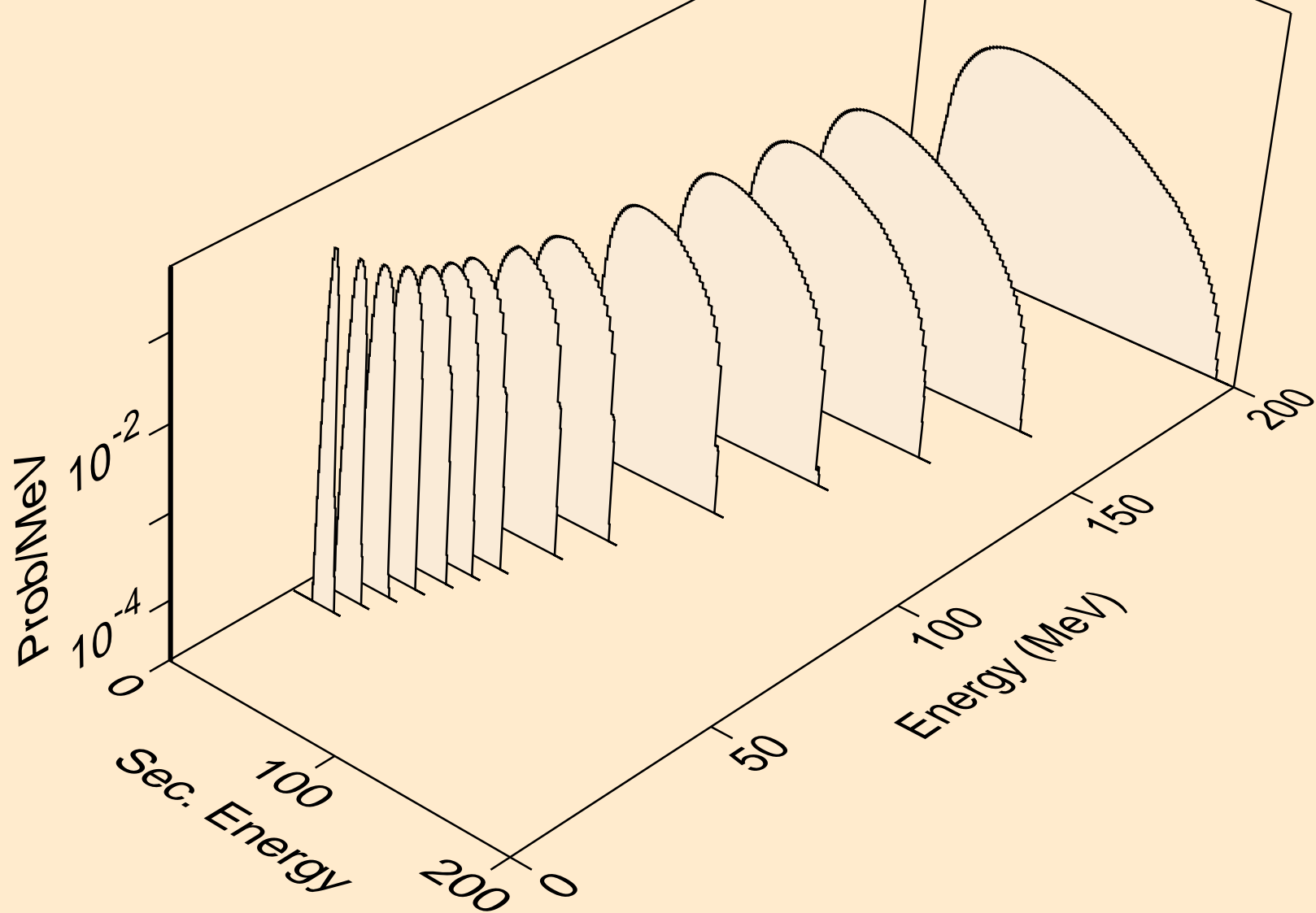
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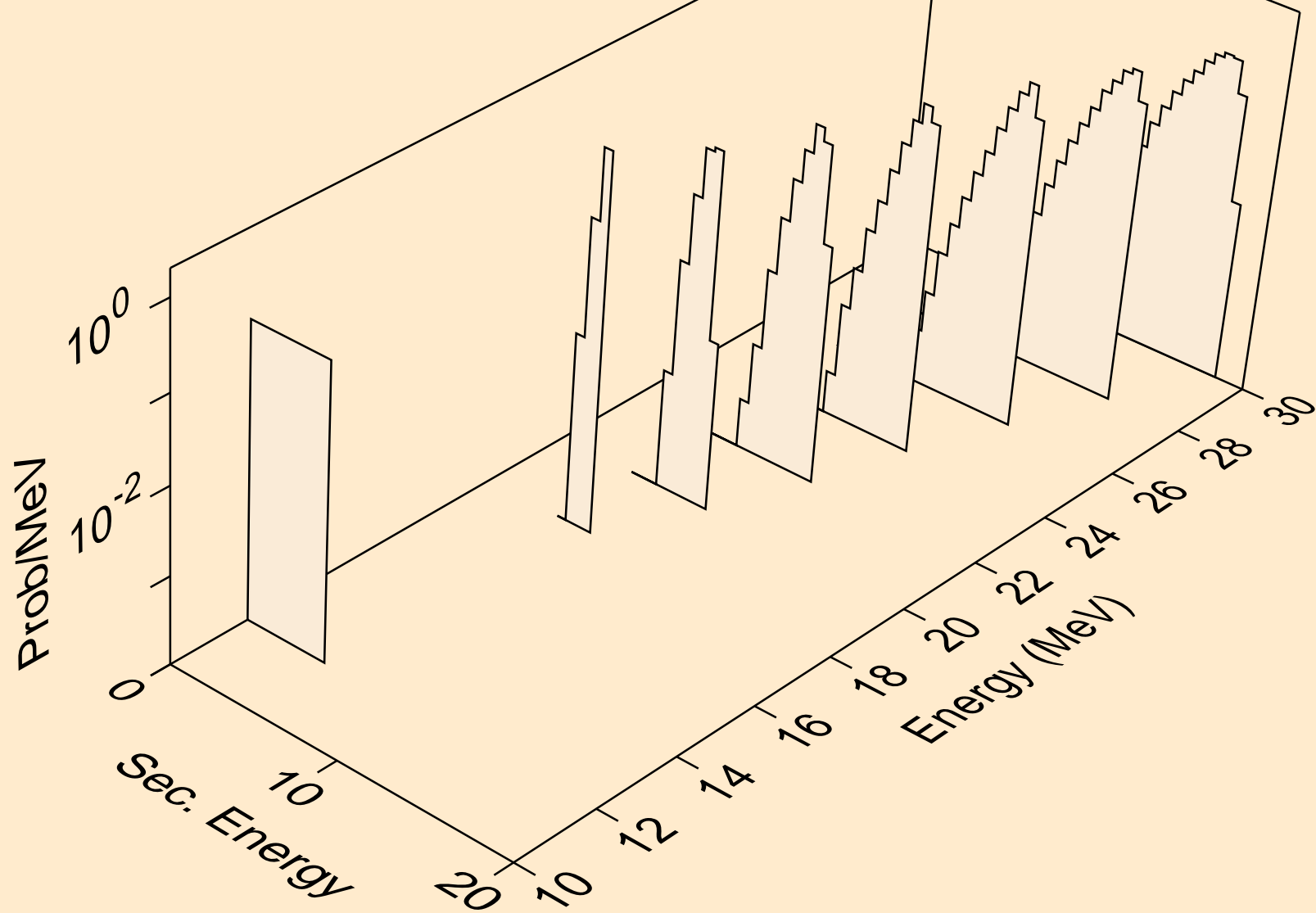
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tritons from (p,pt)



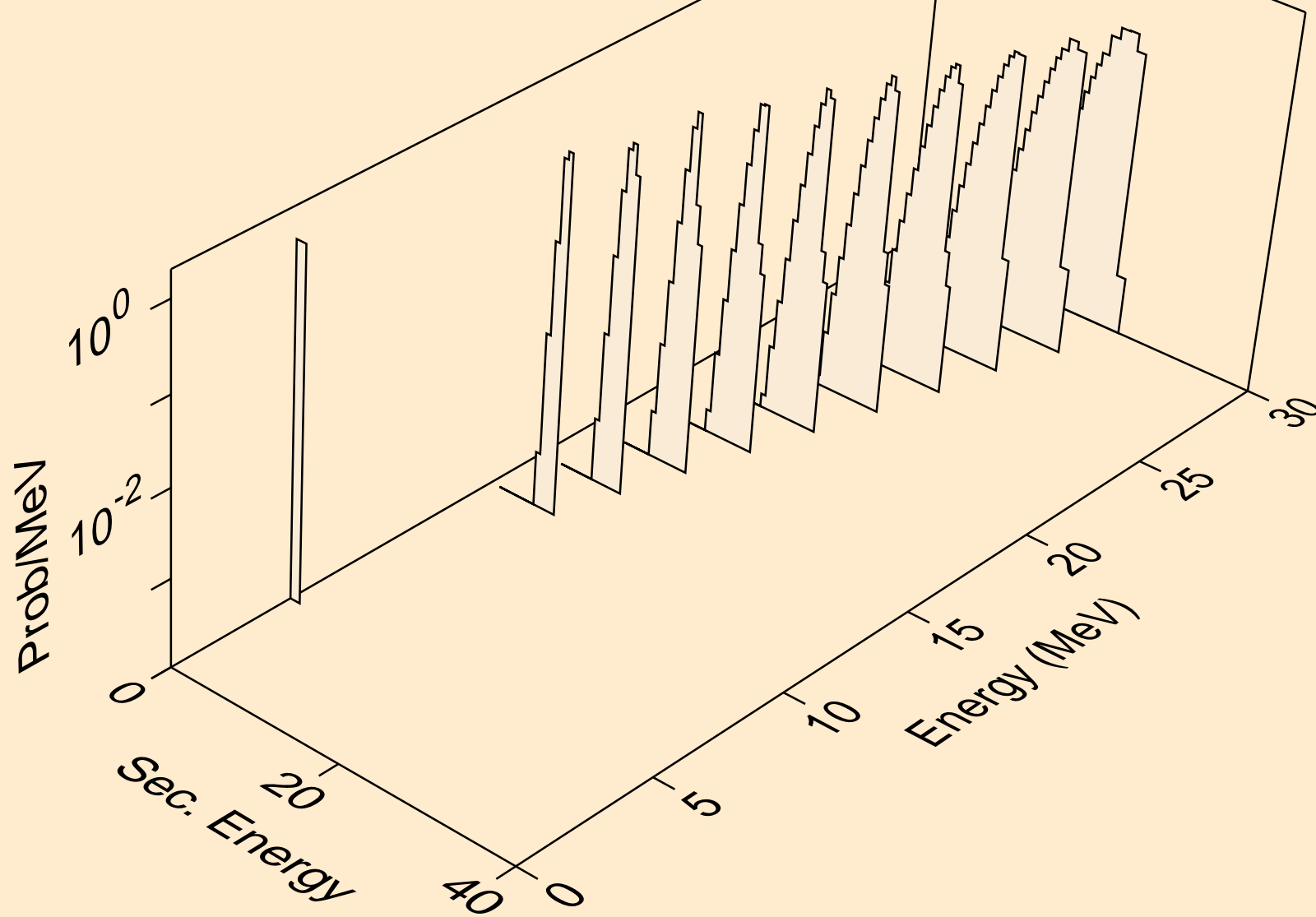
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he3s from (p,x)



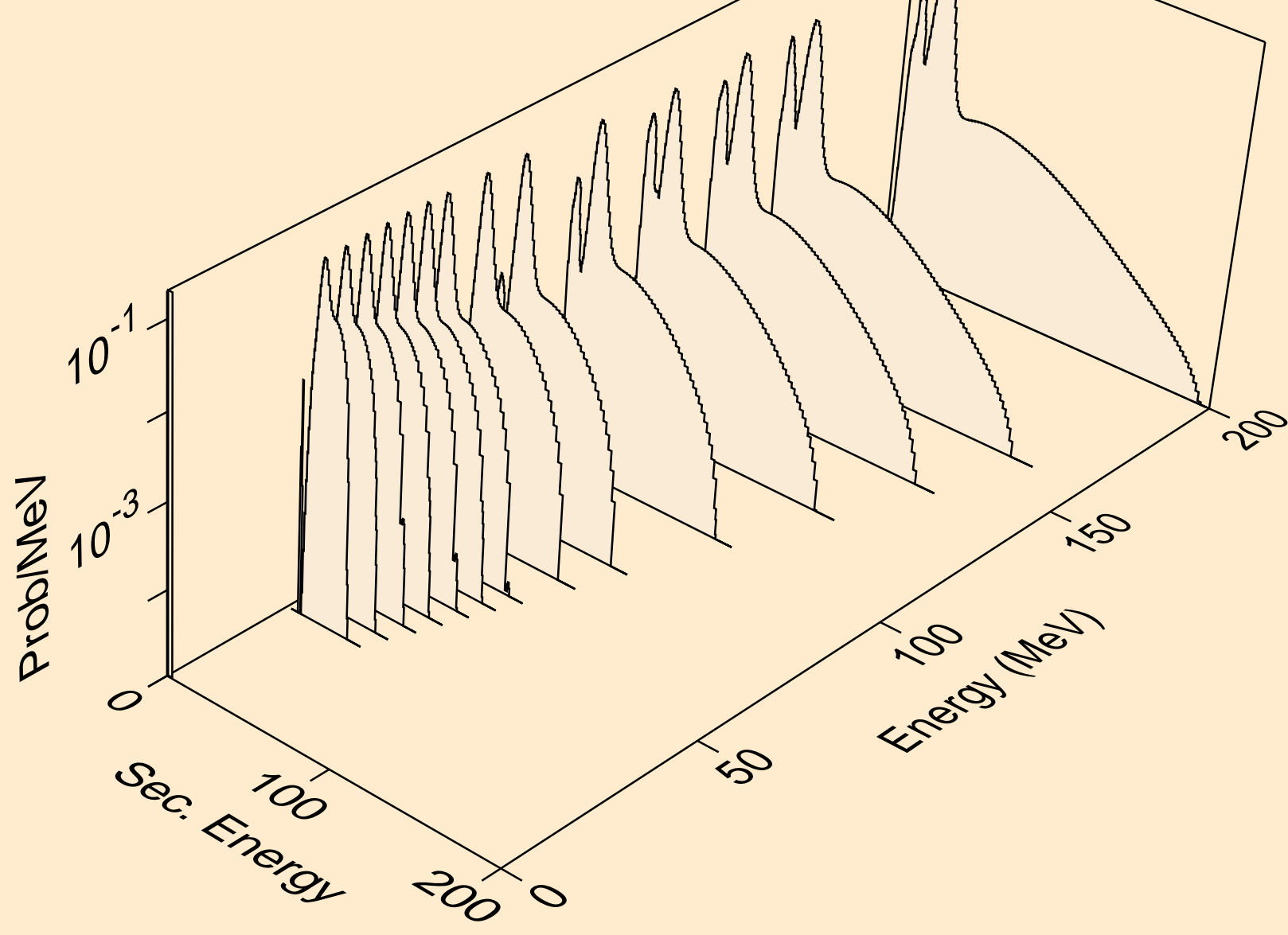
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he3s from (p,n\*)he3



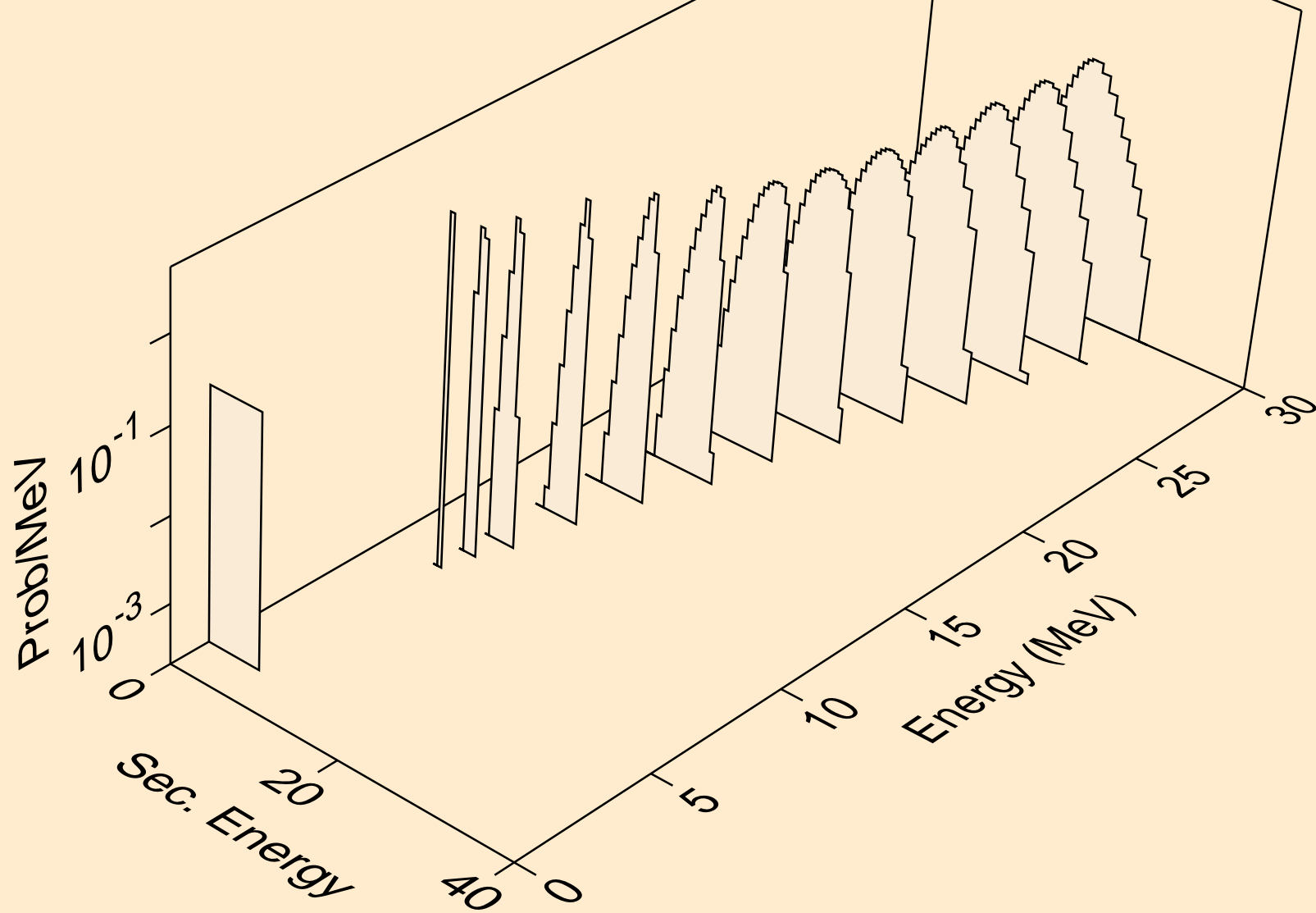
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he3s from (p,he3)



TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,x)

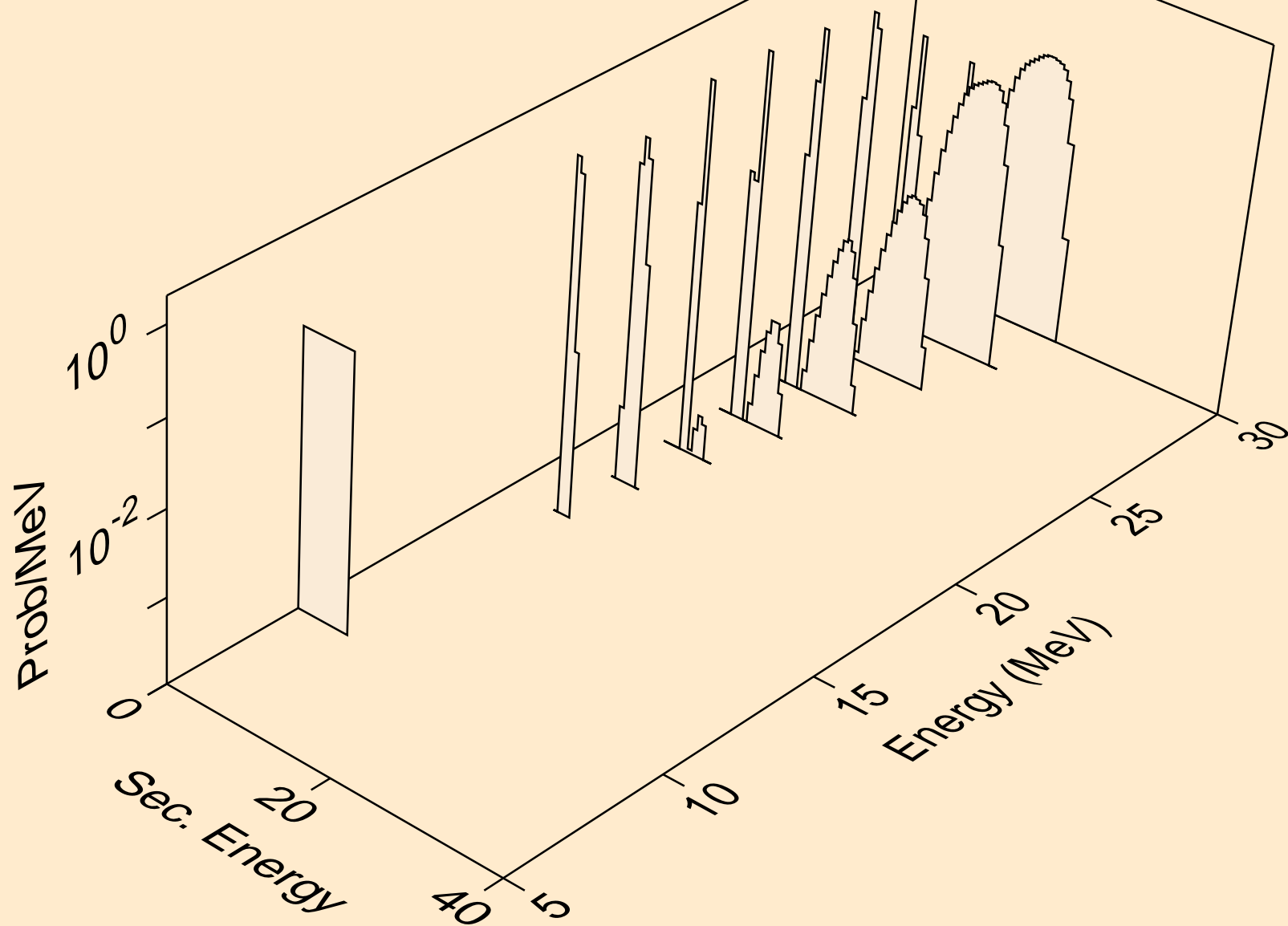


TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)a

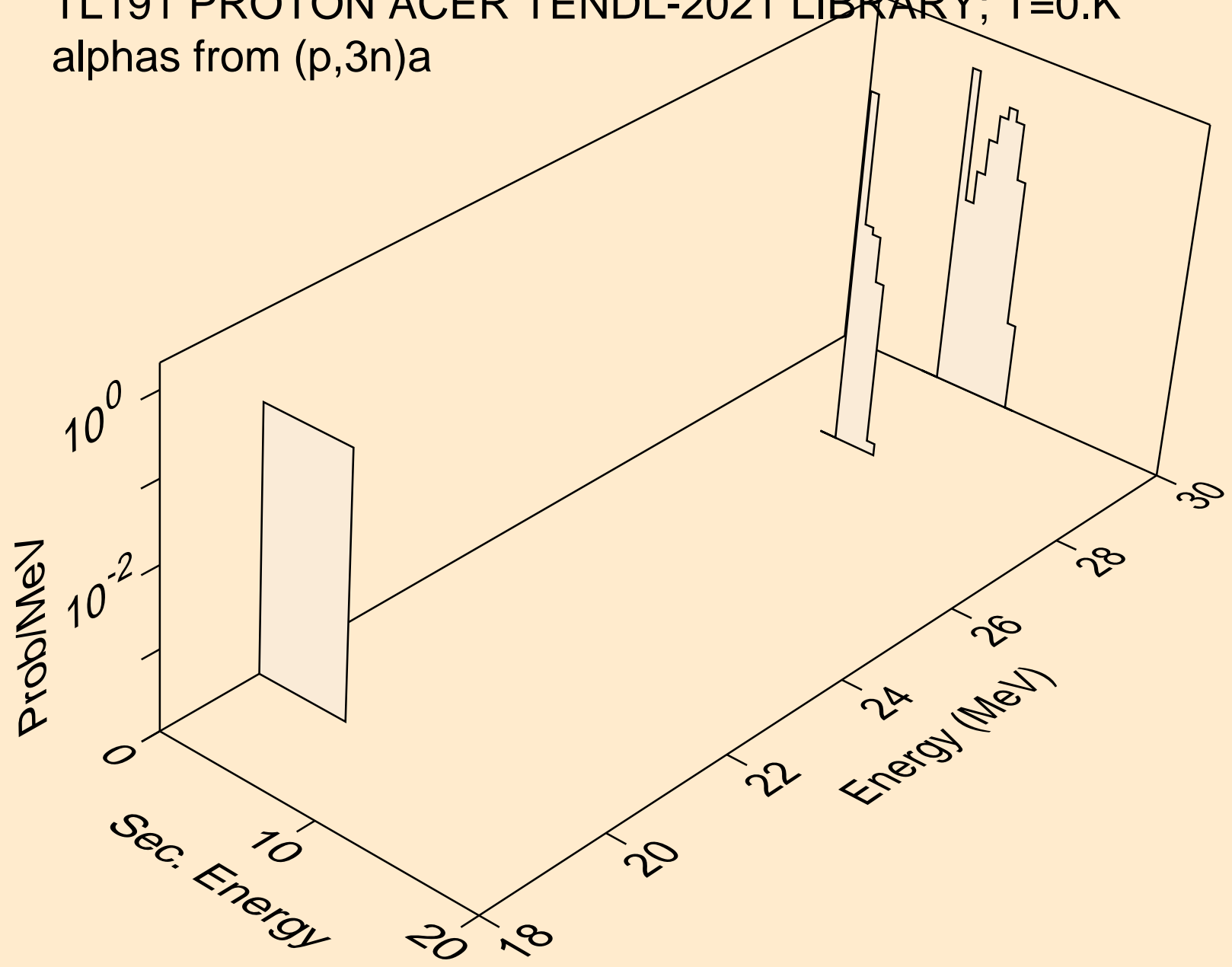




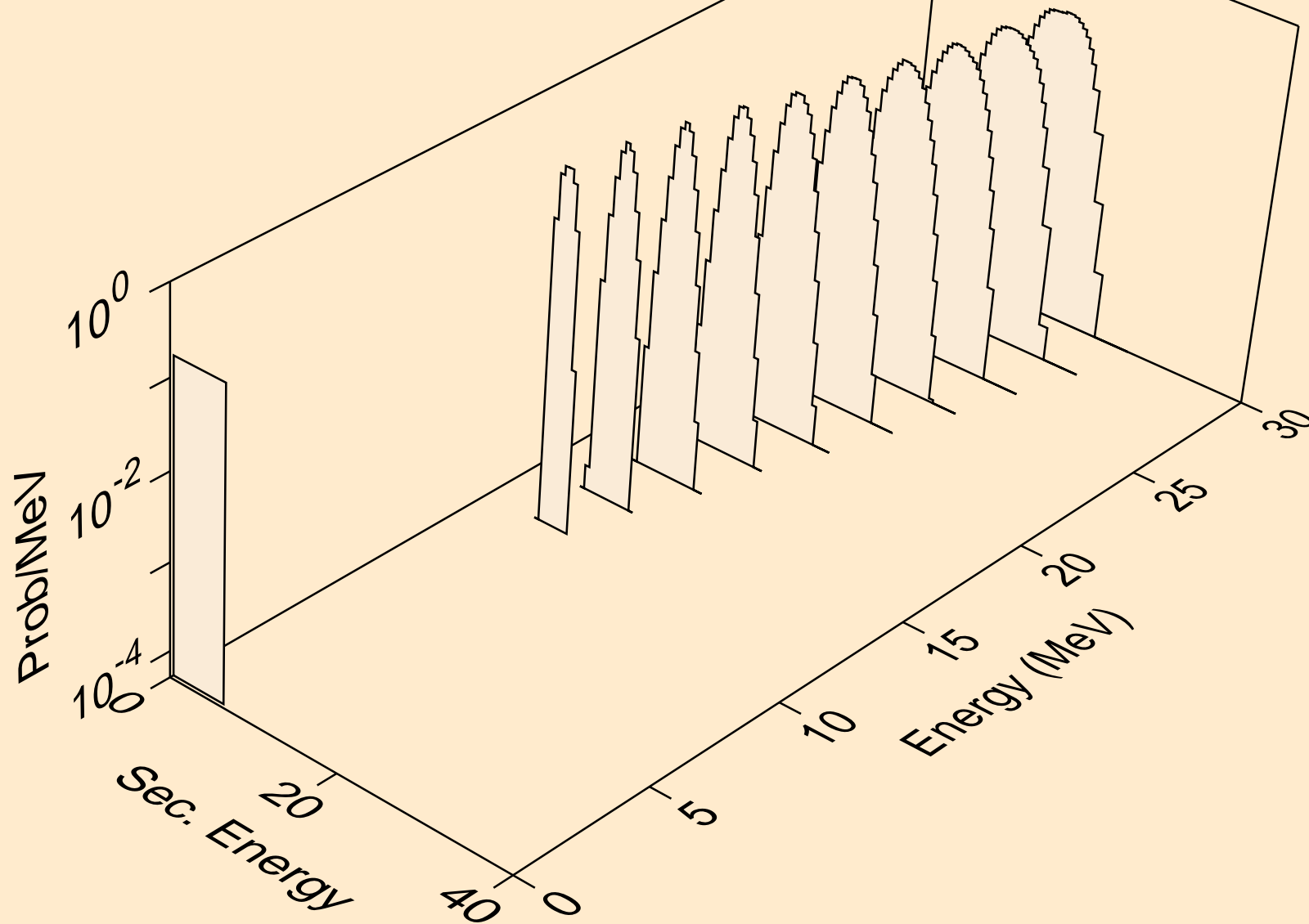
TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2n)a



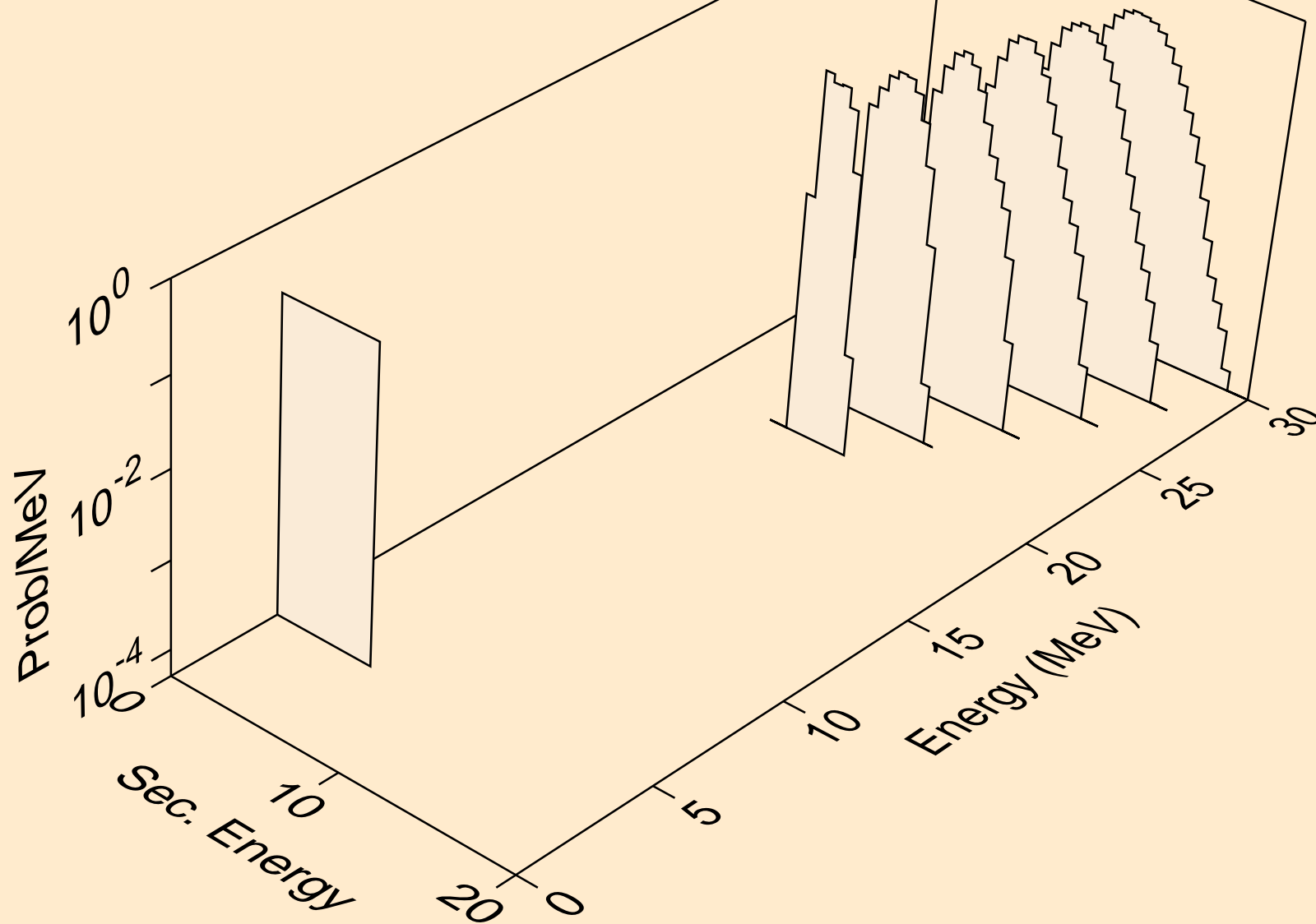
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alphas from (p,3n)a



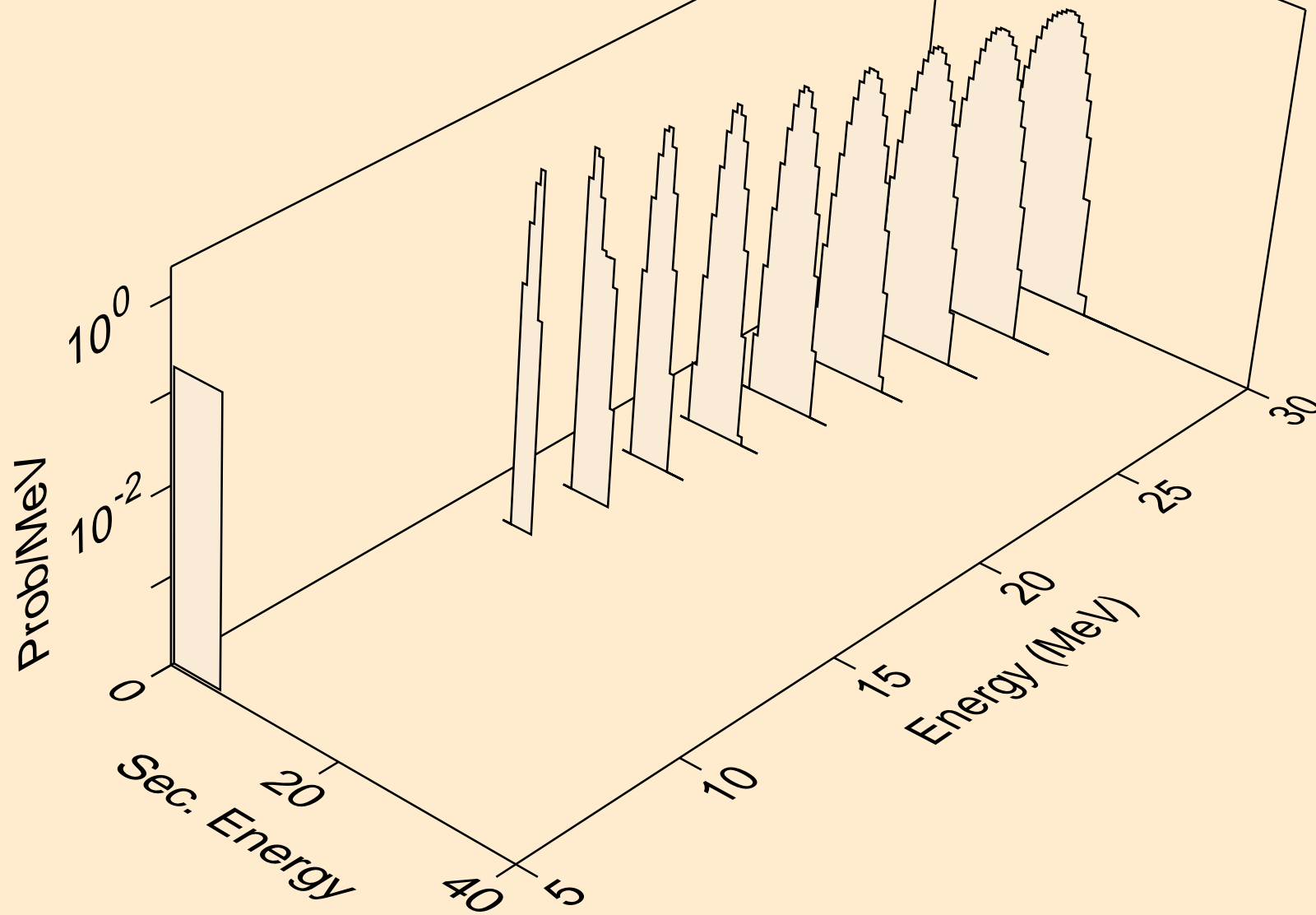
TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)2a



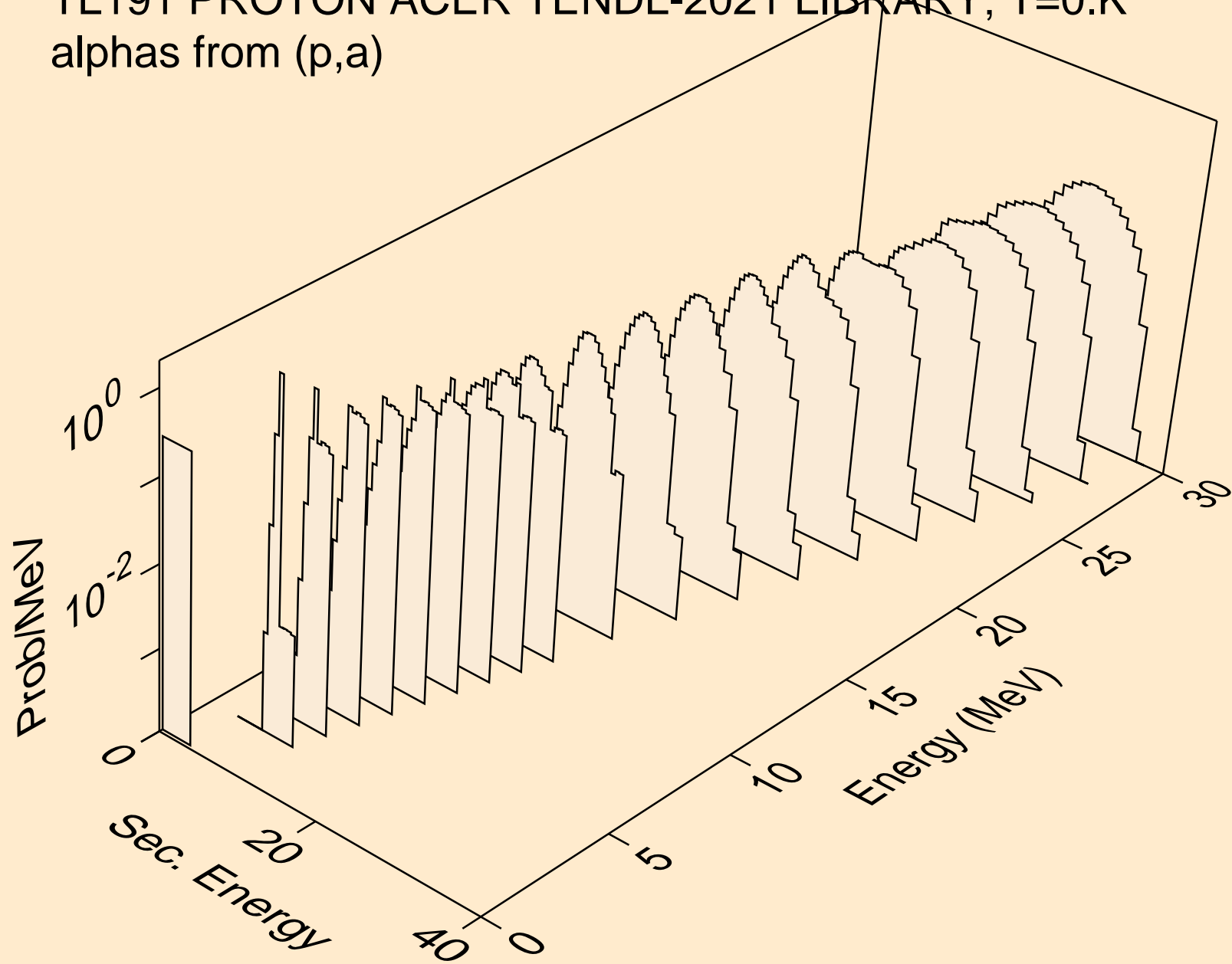
TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2n)2a



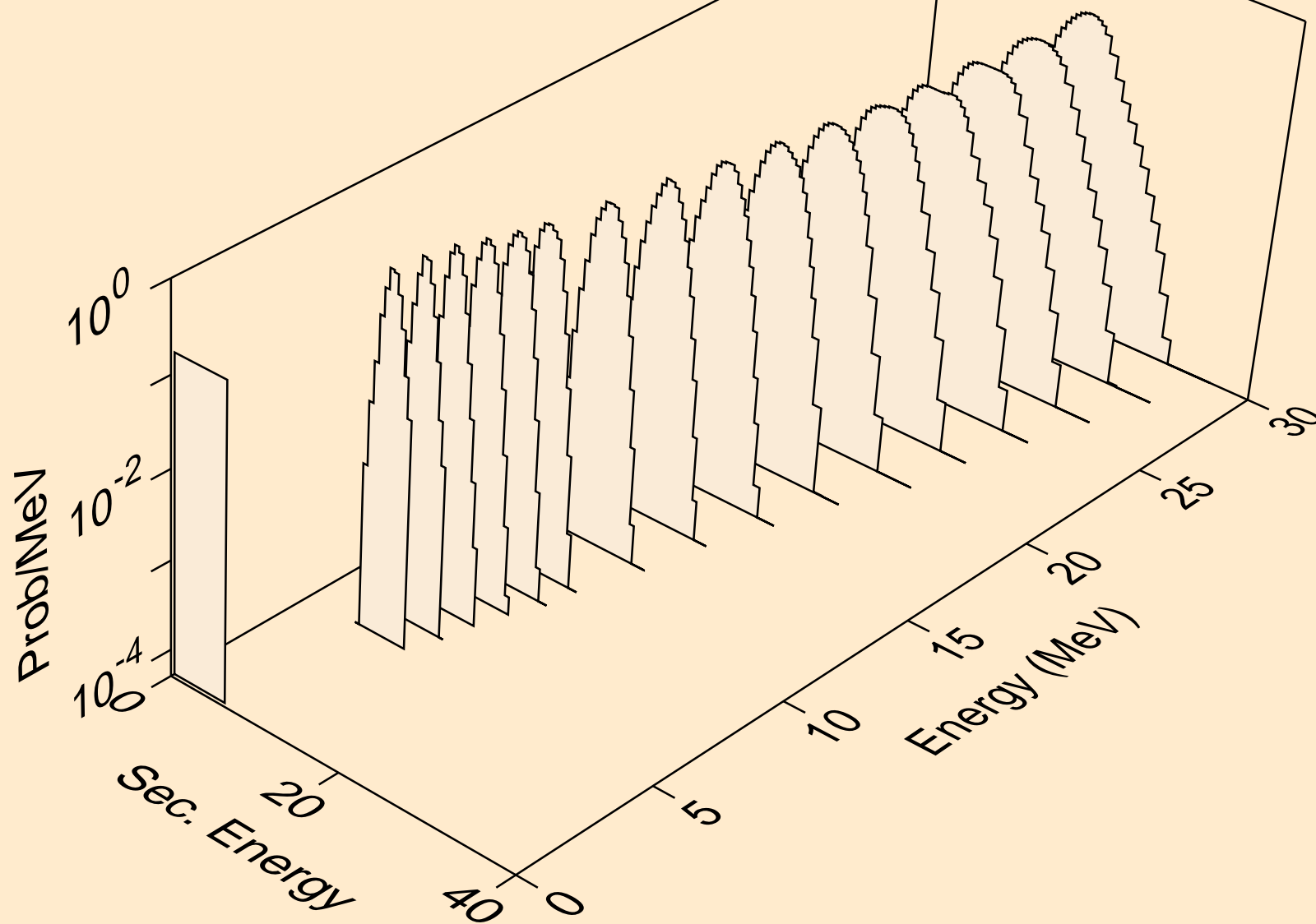
TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,npa)



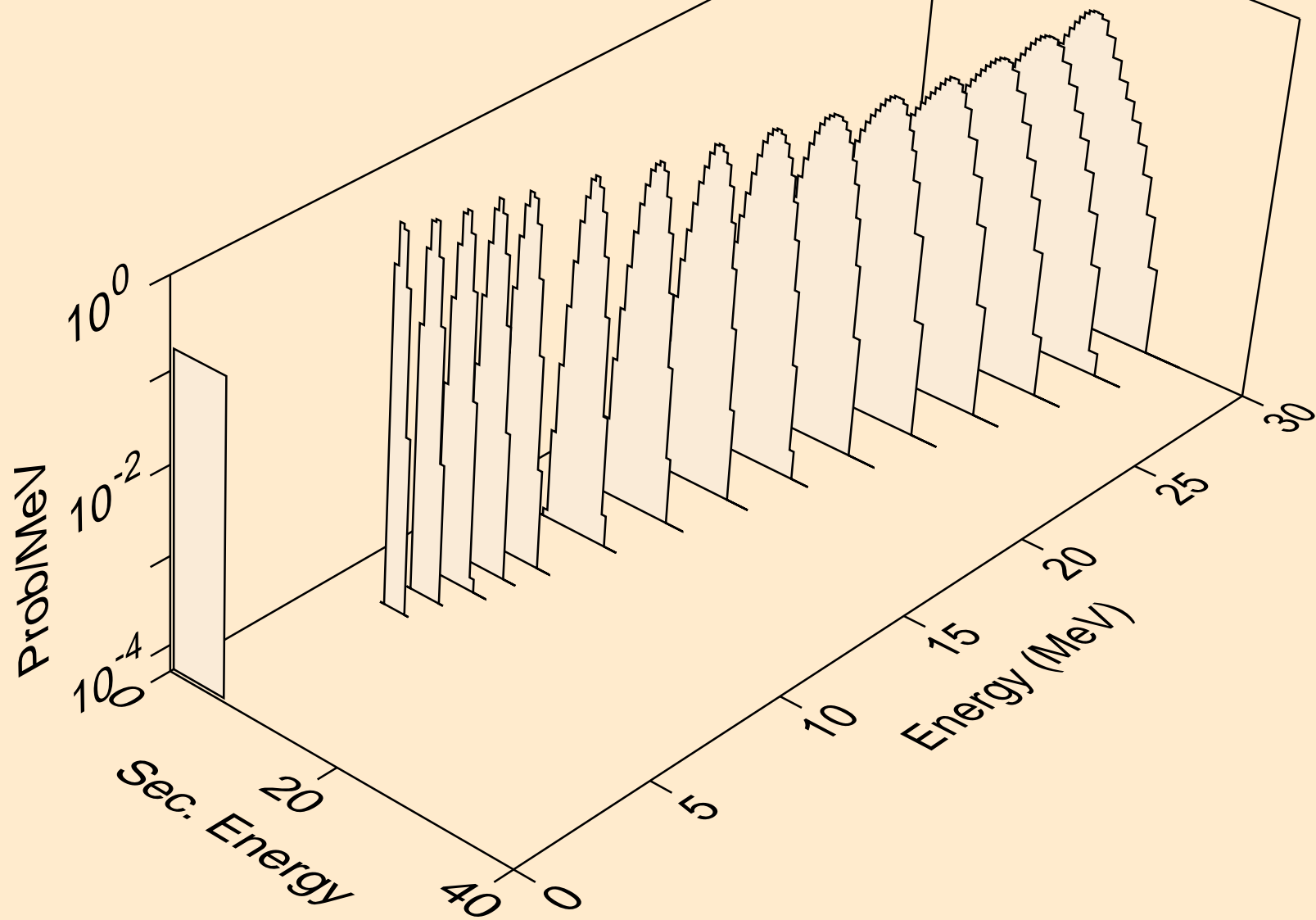
TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,a)



TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2a)



TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,pa)





TL191 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,da)

