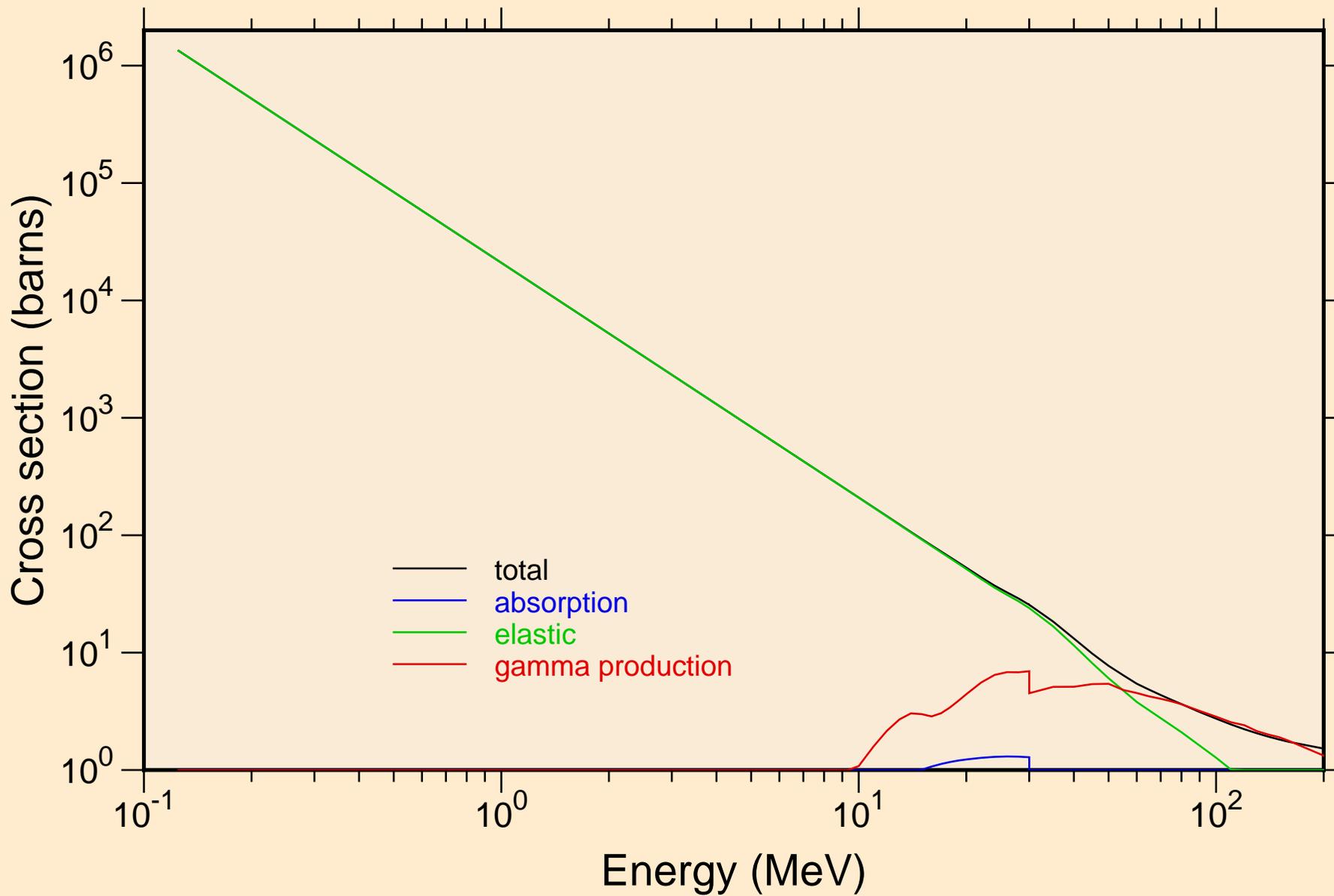
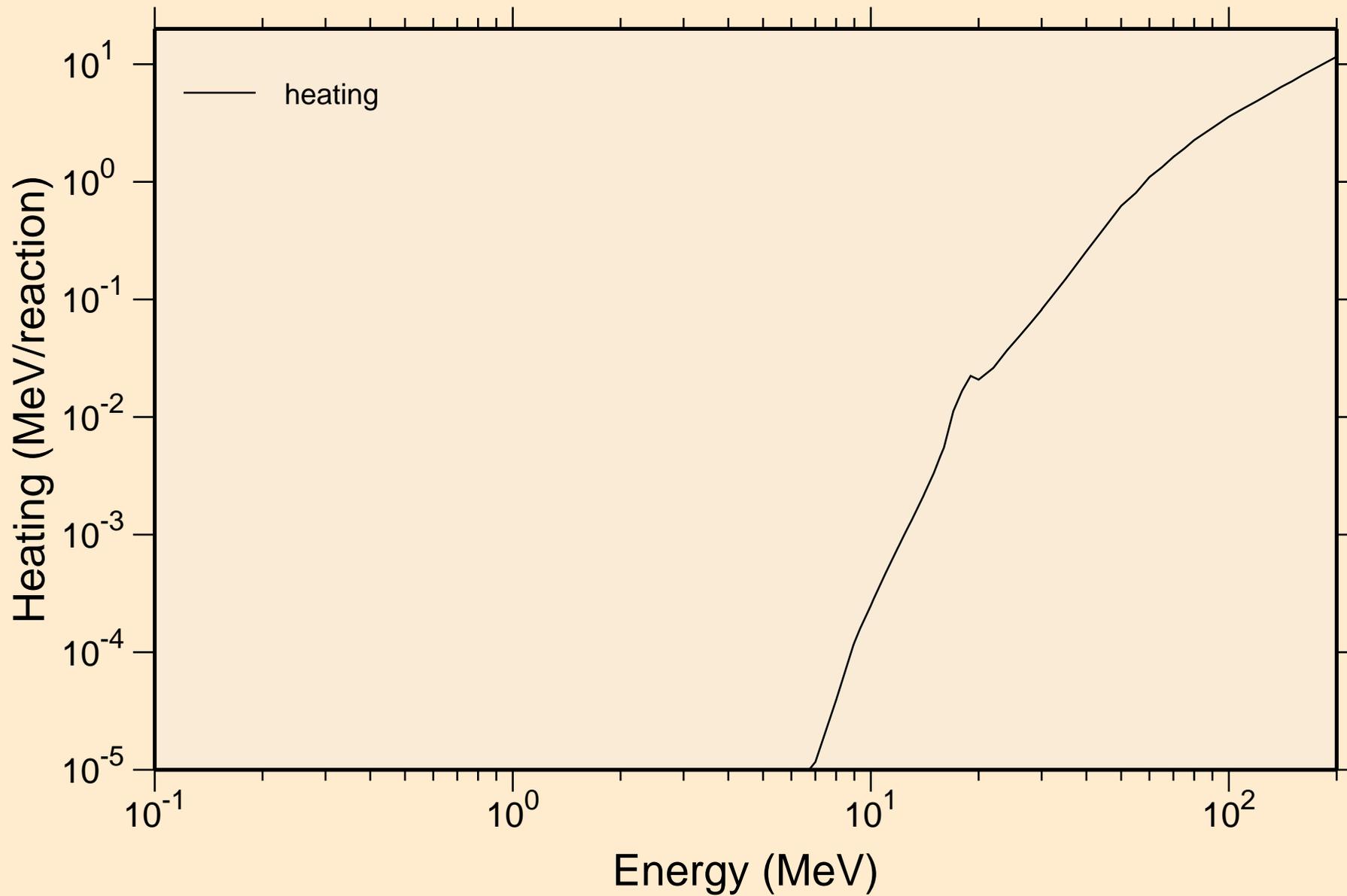


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## Principal cross sections

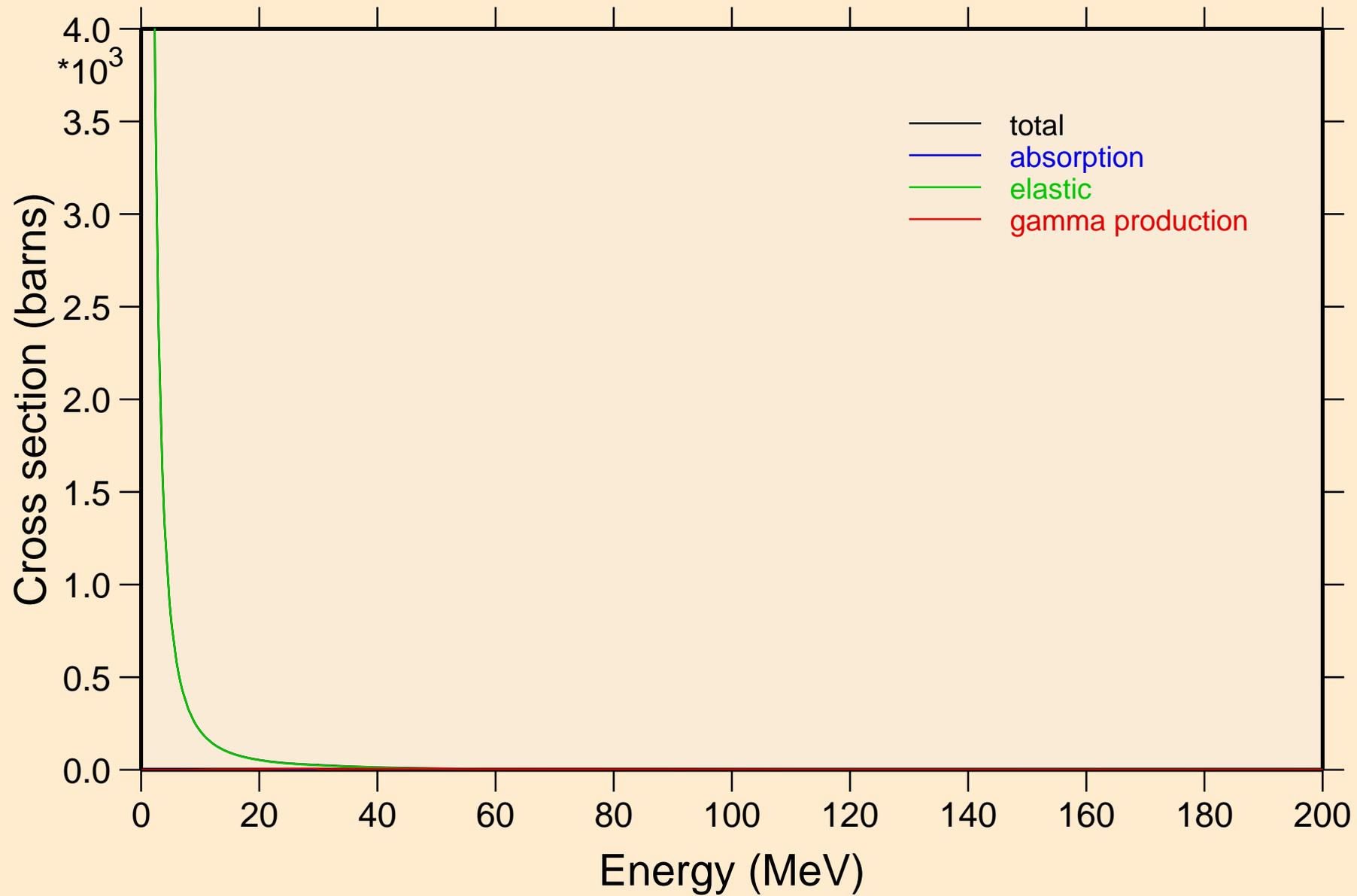


CE143 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Heating



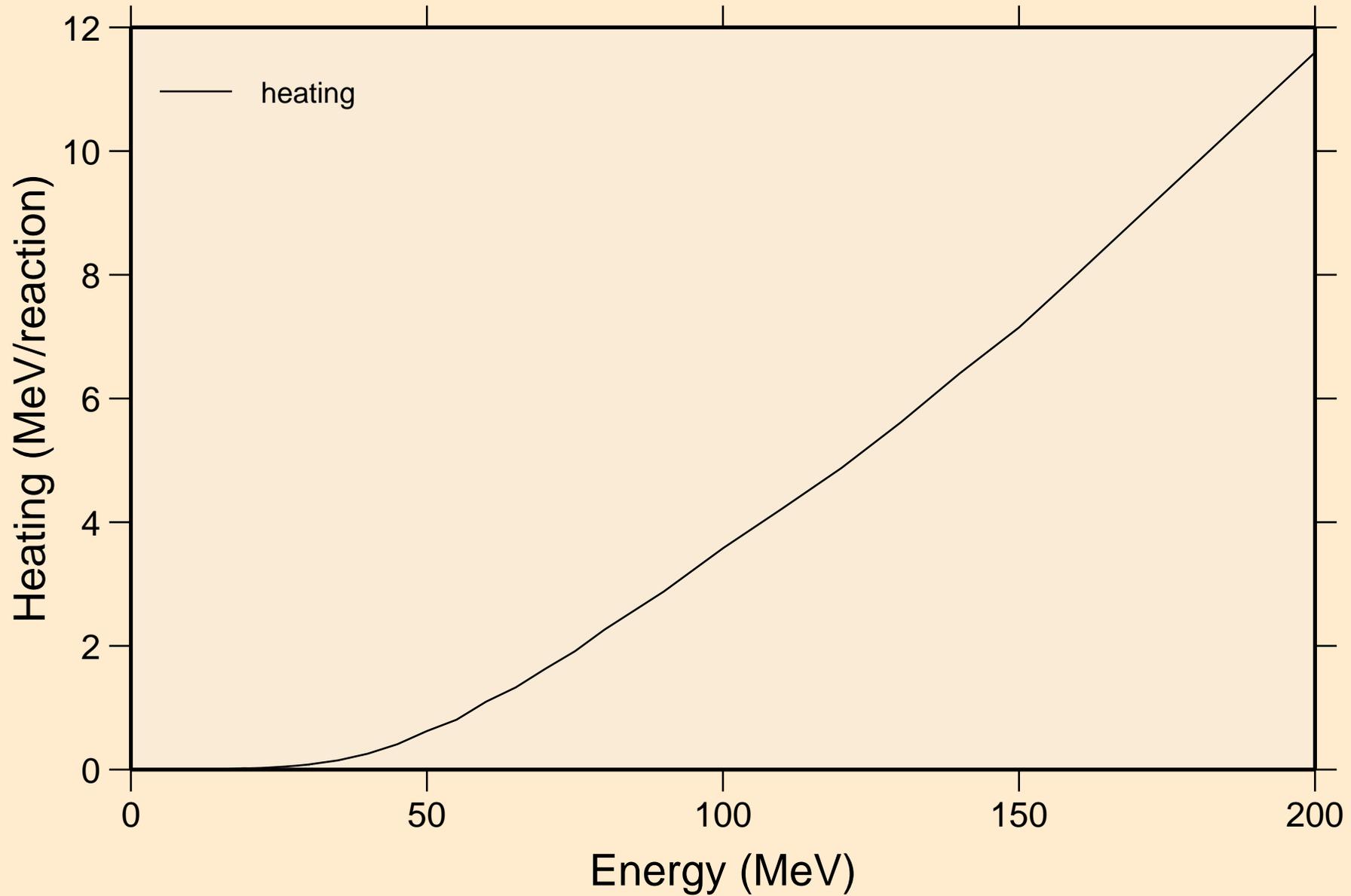
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## Principal cross sections



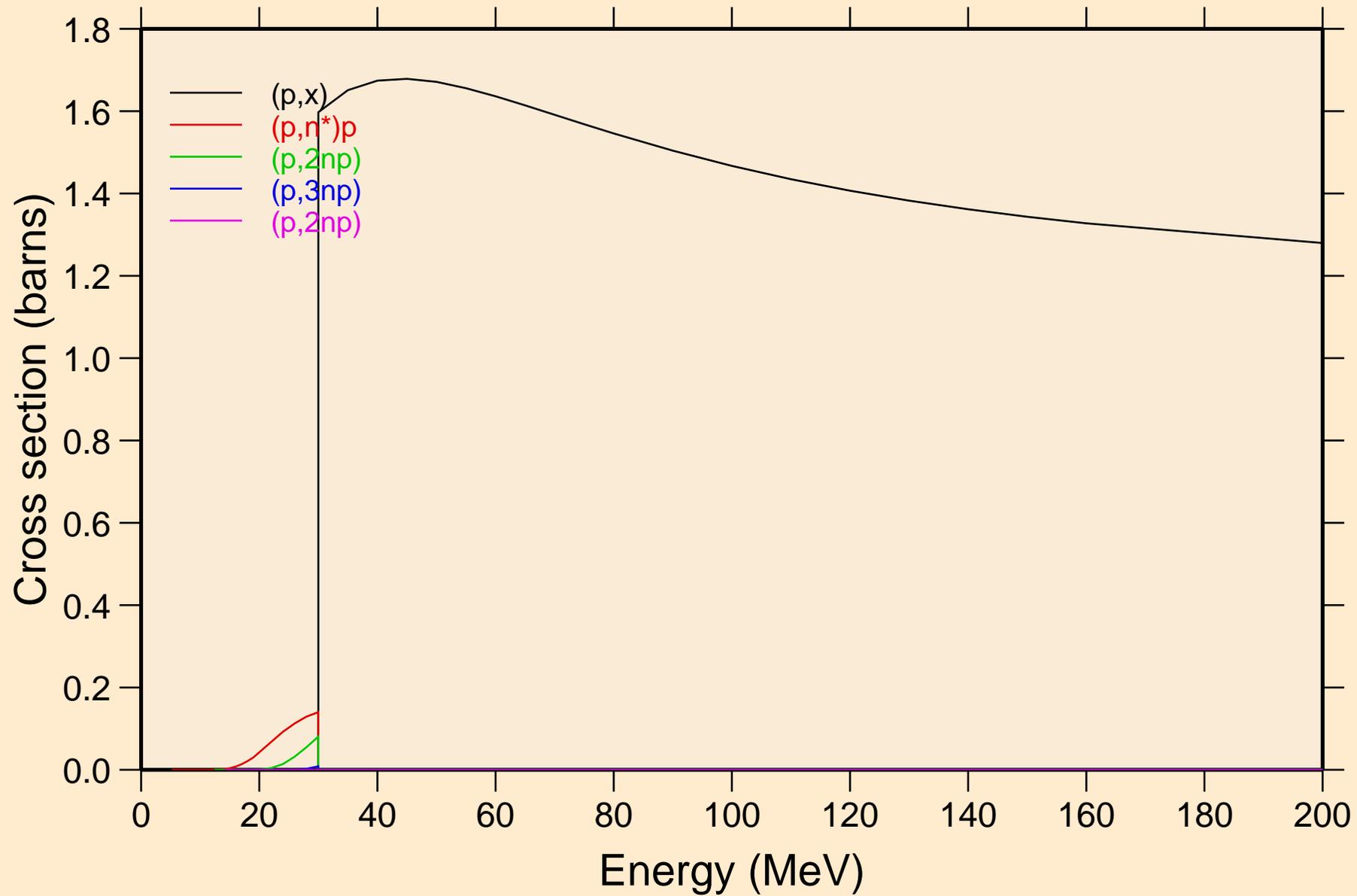
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## Heating



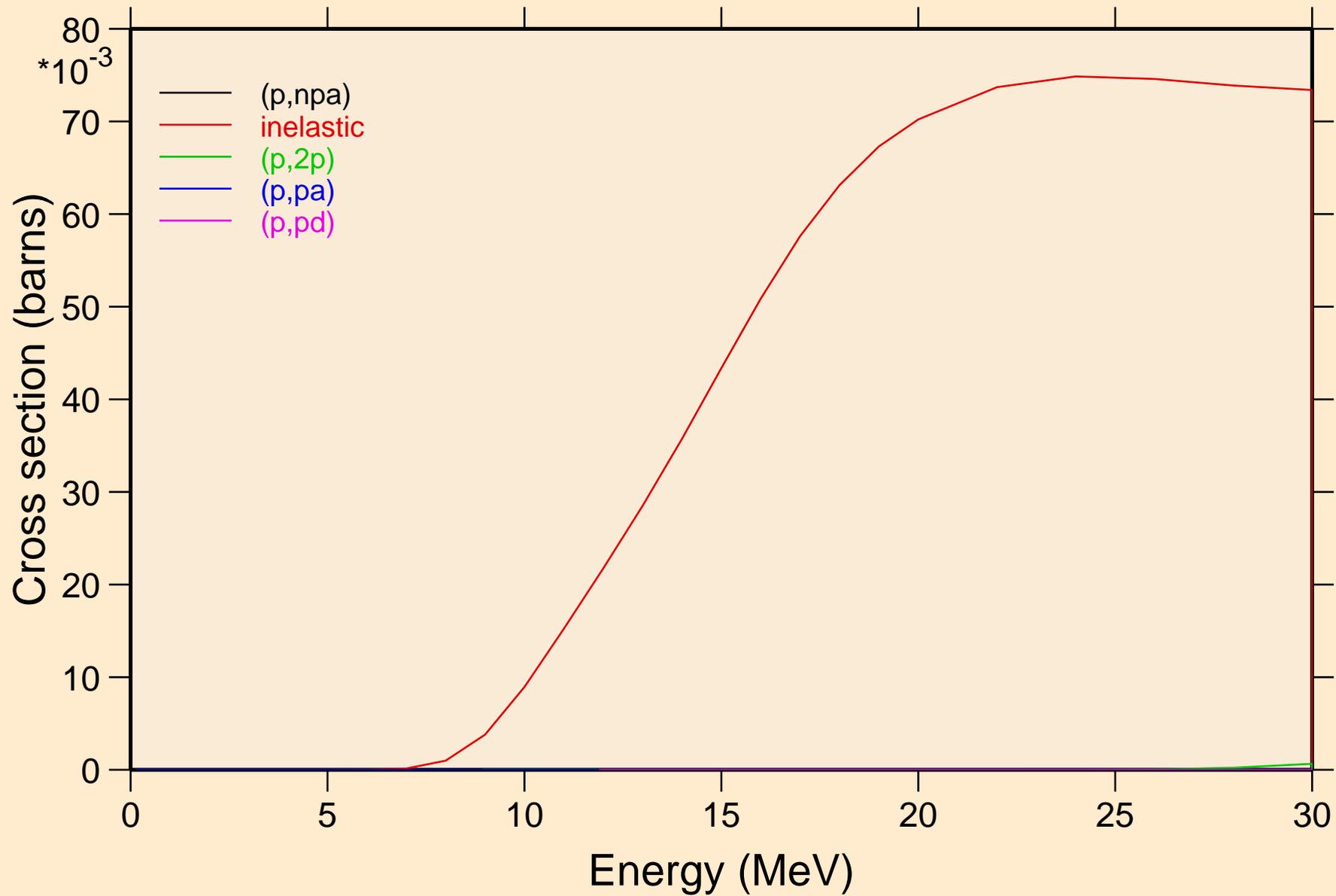
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## Threshold reactions

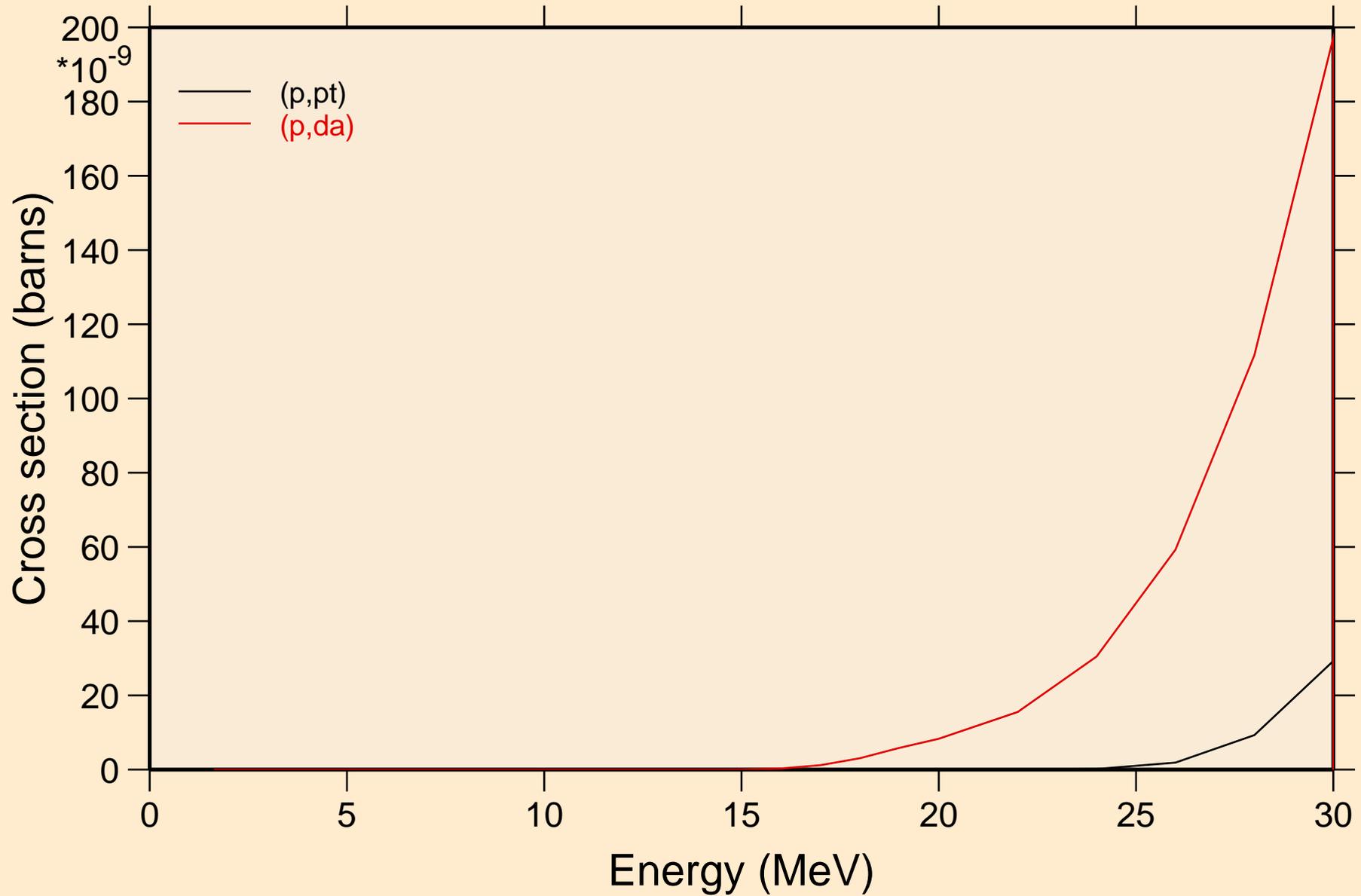


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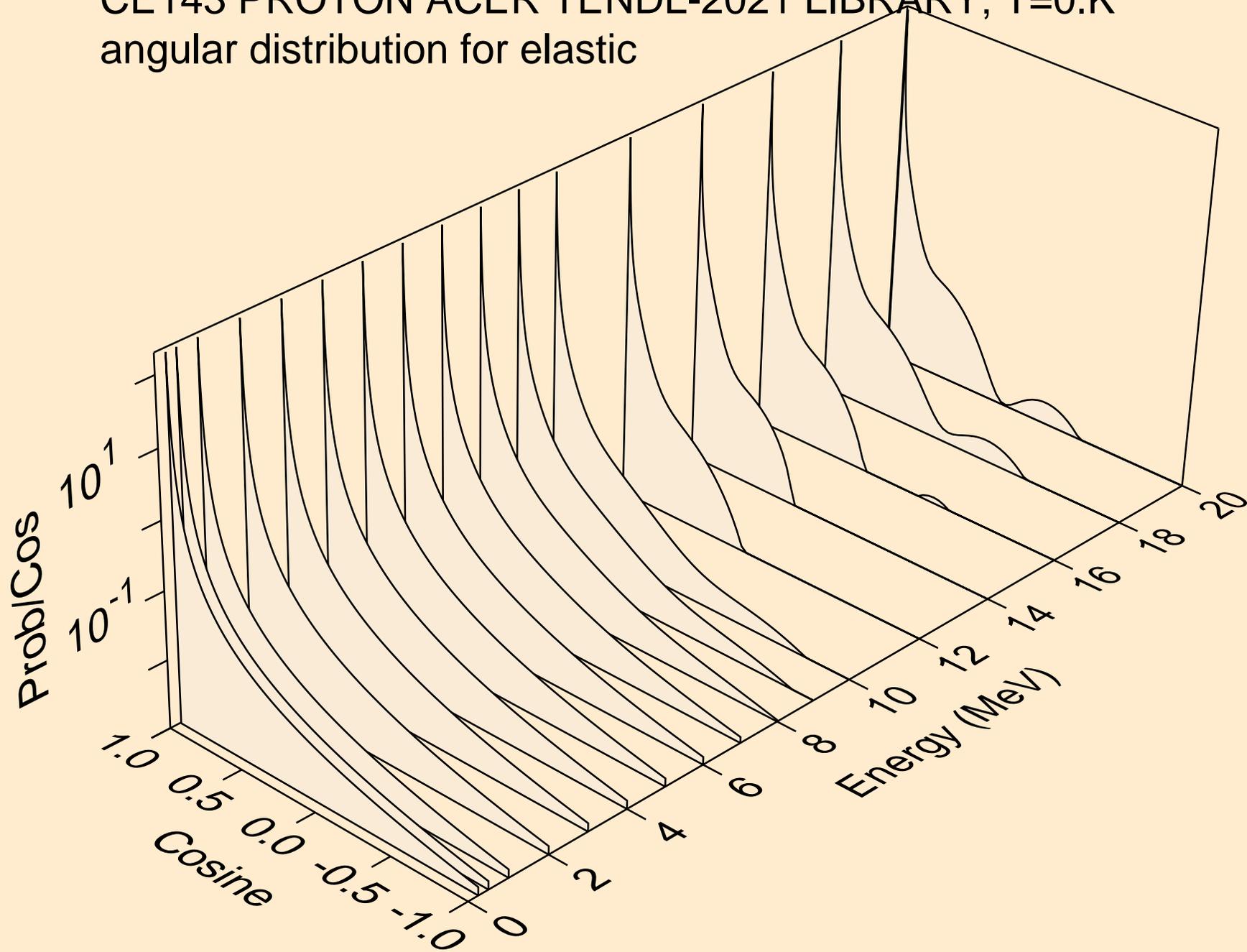
## Threshold reactions



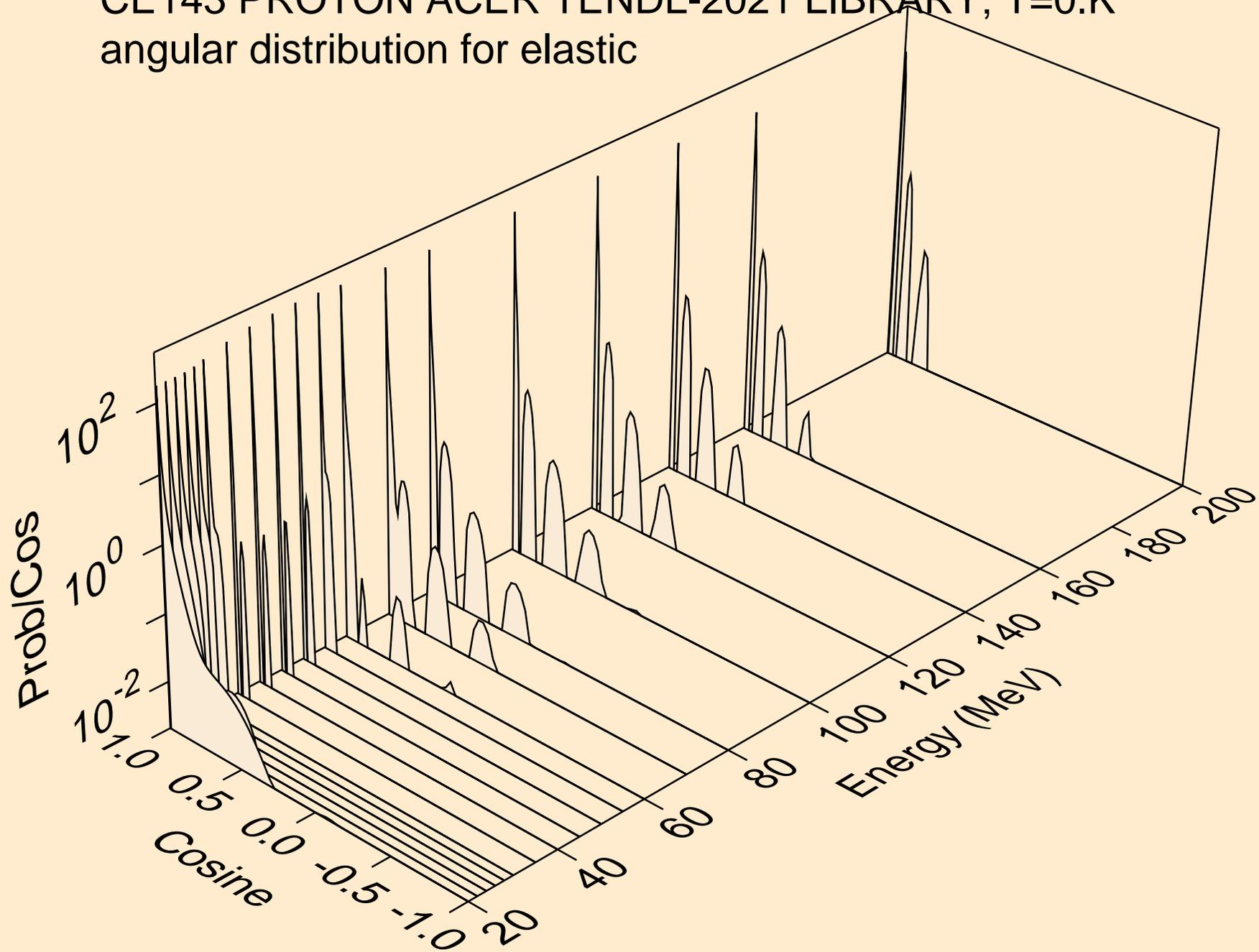
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Threshold reactions



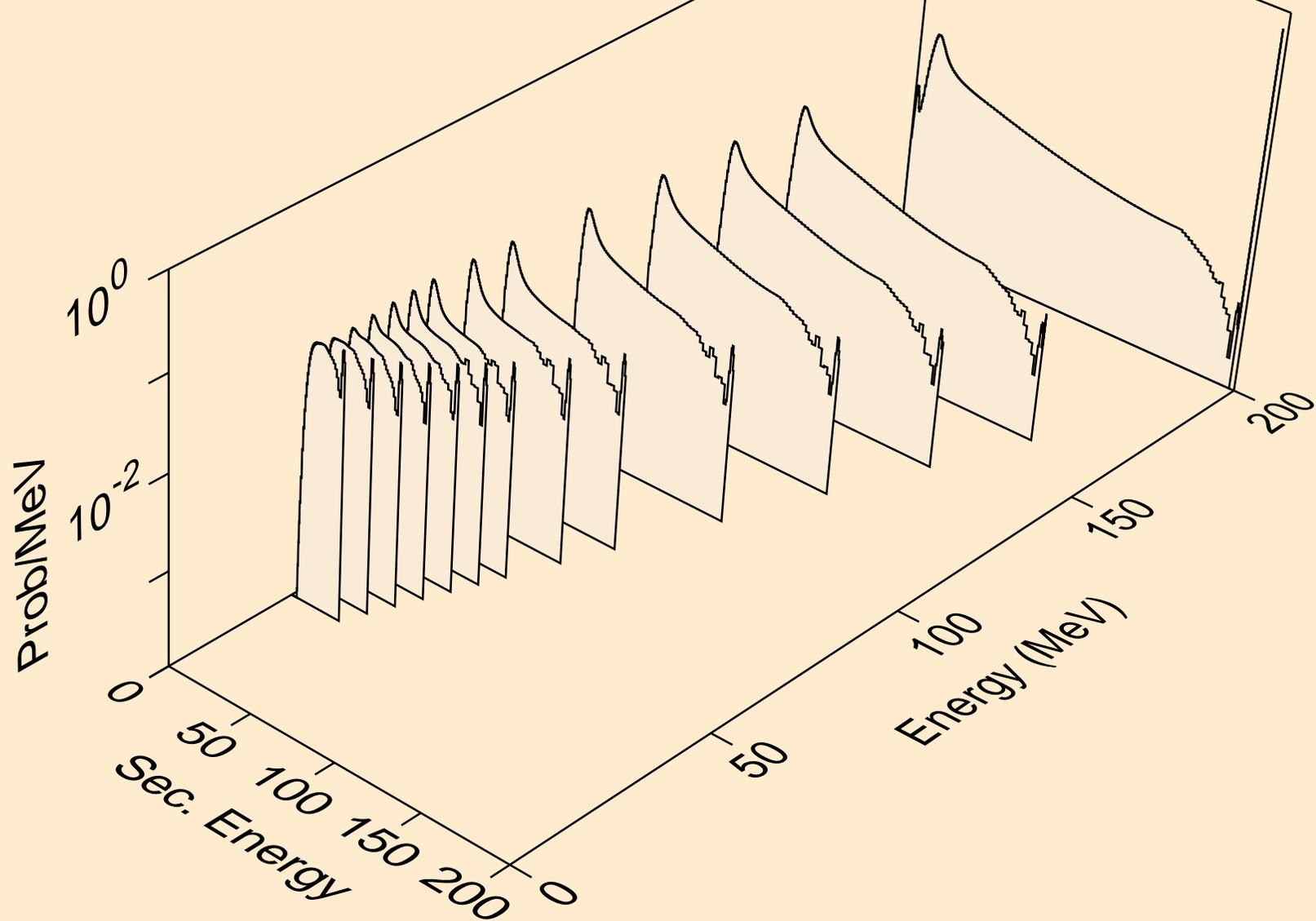
CE143 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



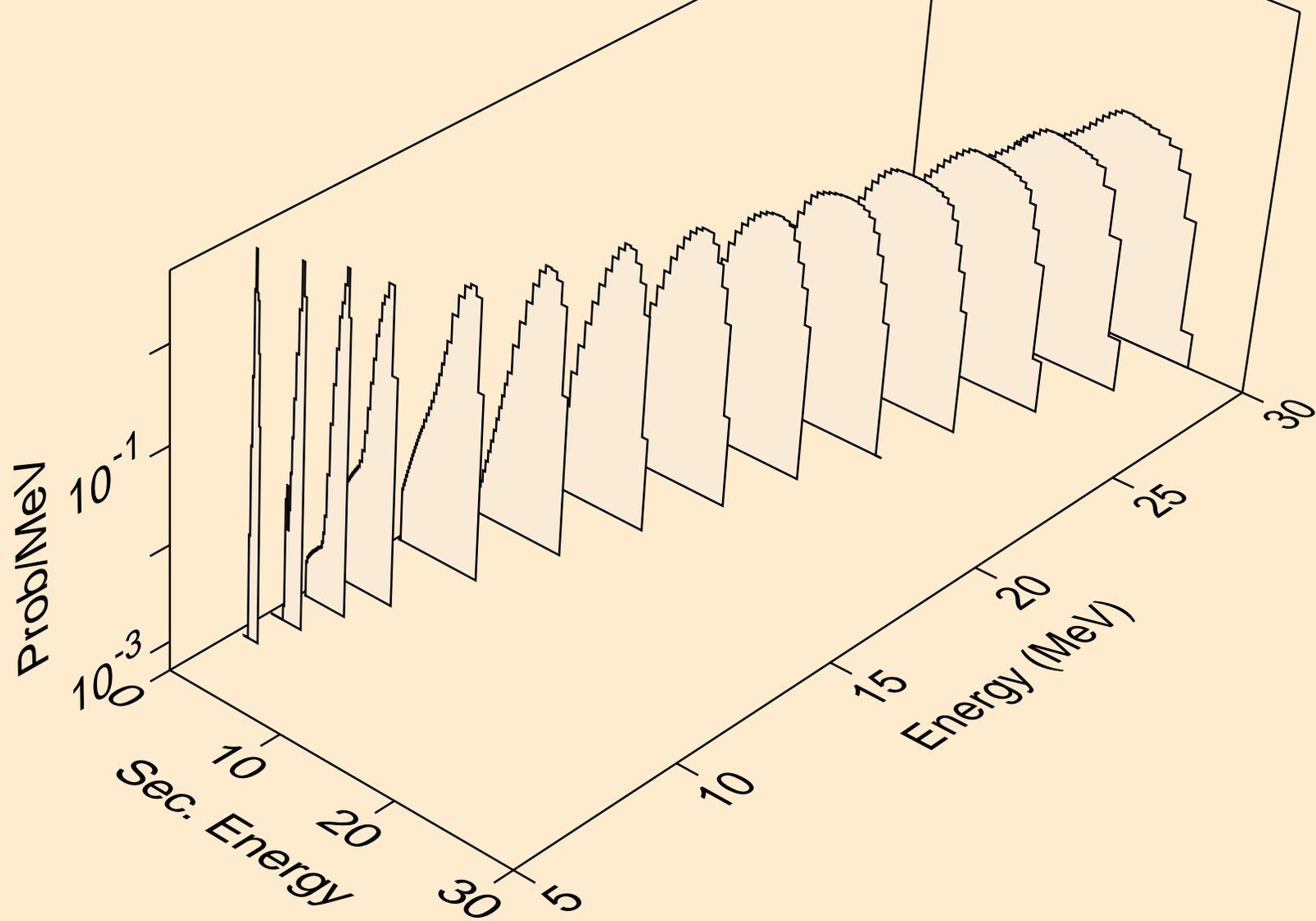
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angular distribution for elastic



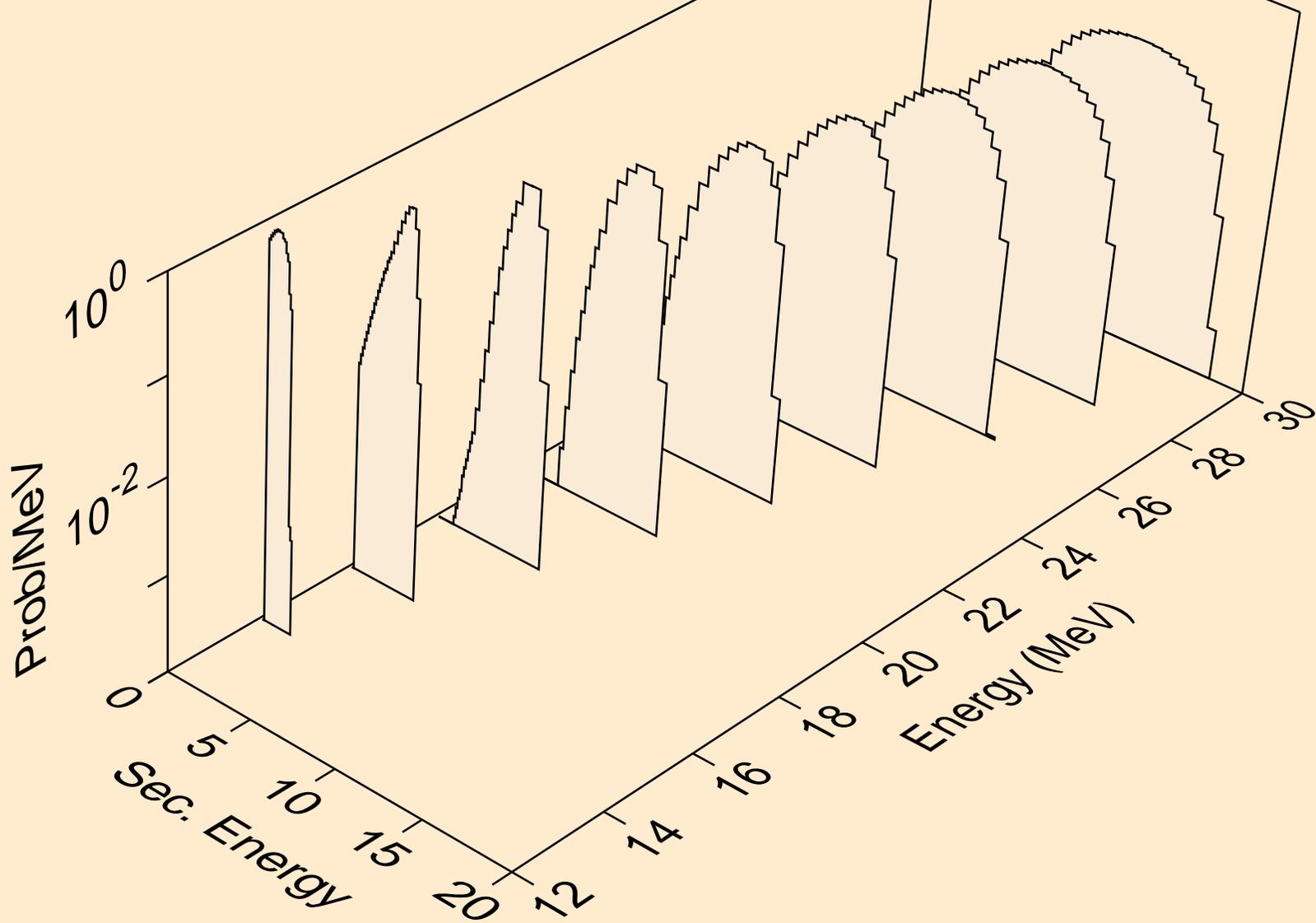
CE143 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,x)



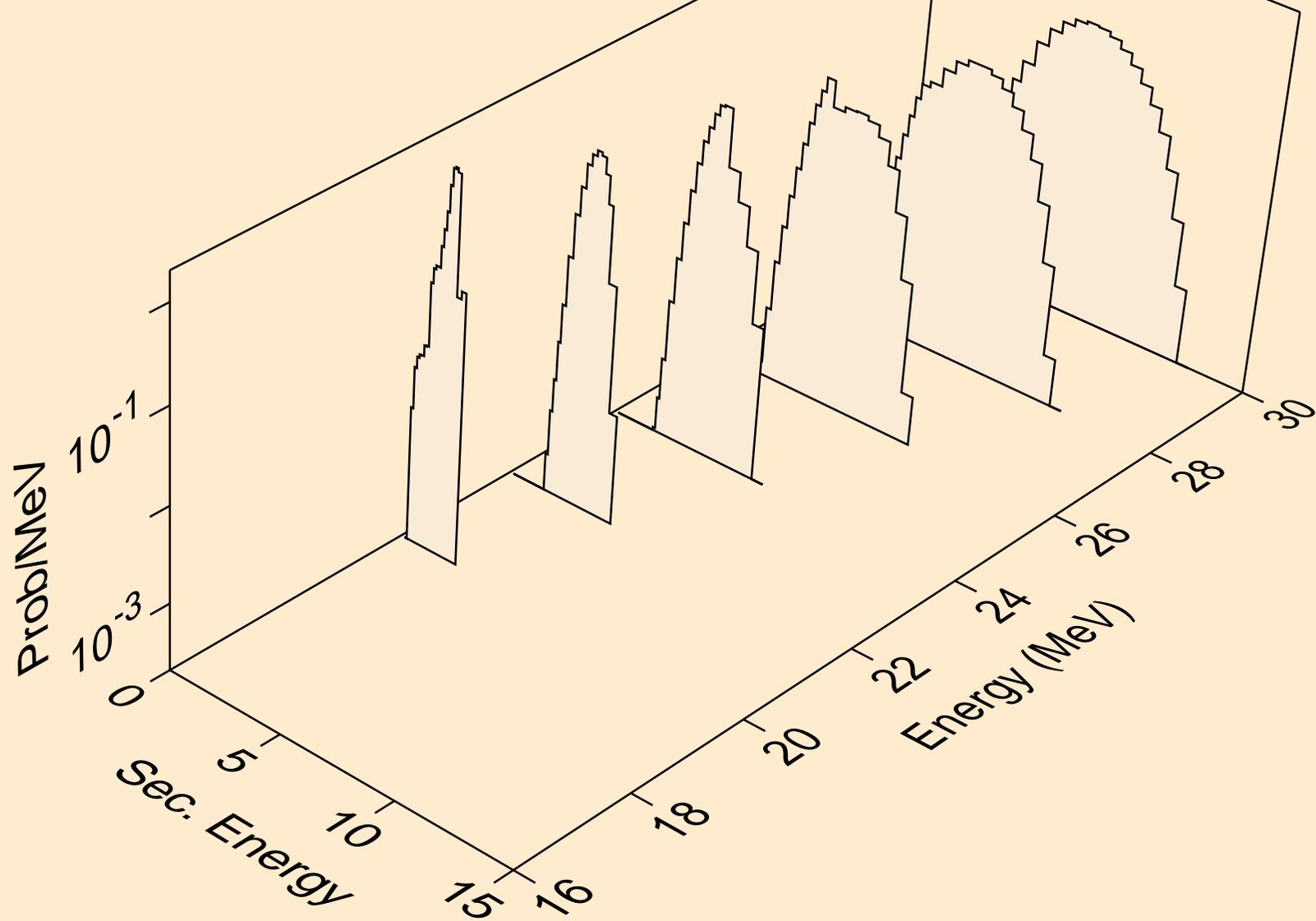
CE143 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



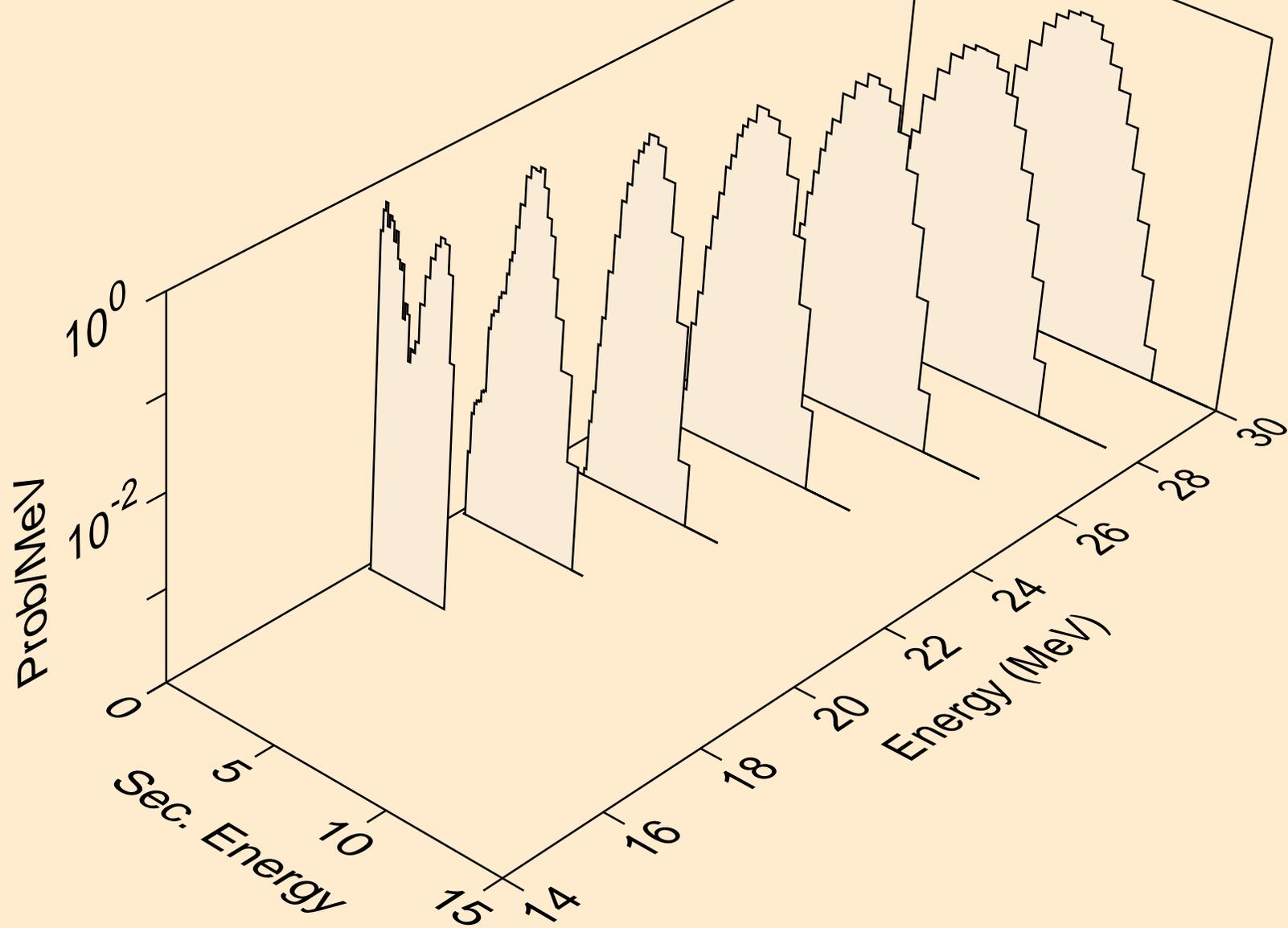
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Proton emission for (p,2np)



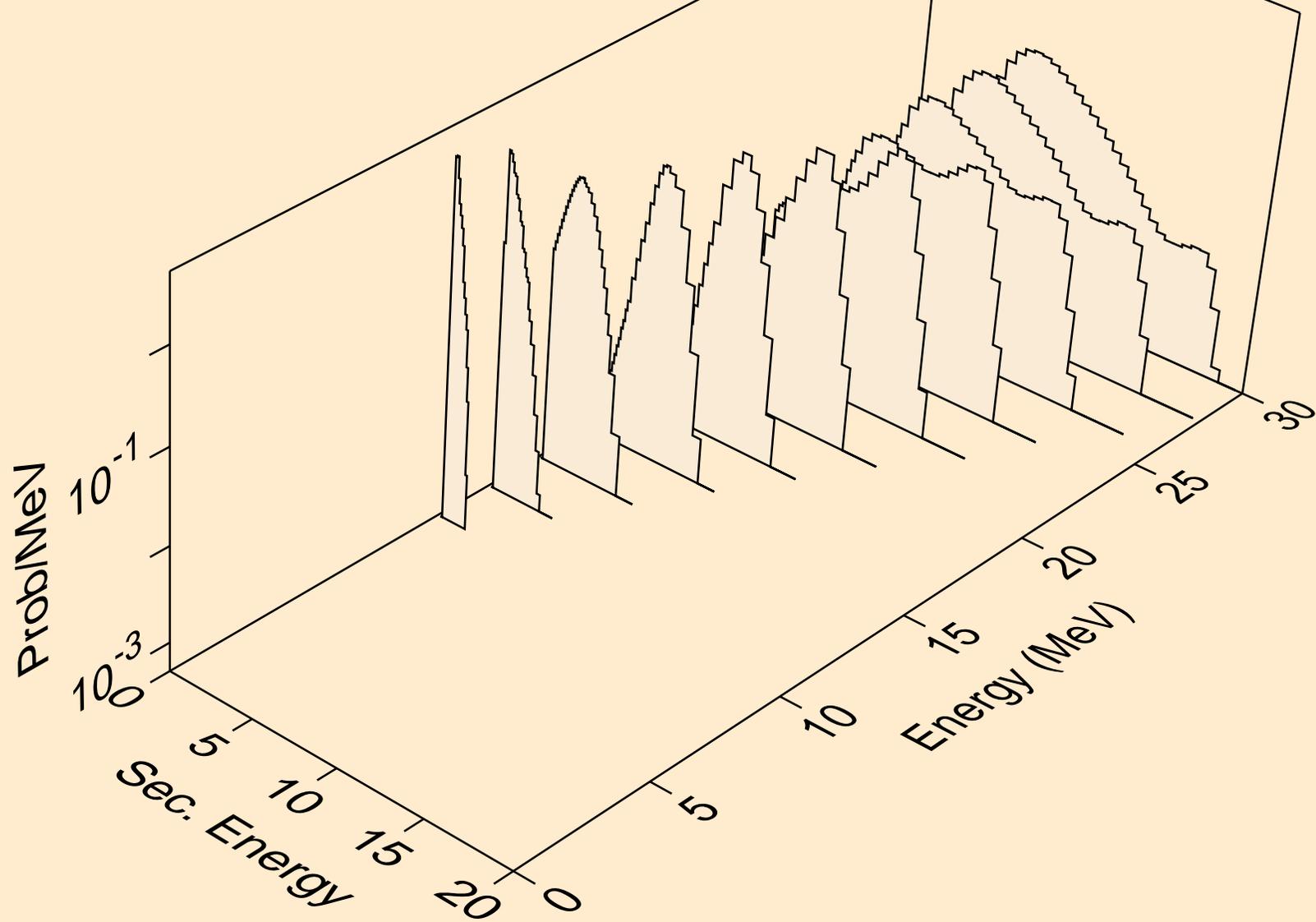
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Proton emission for (p,3np)



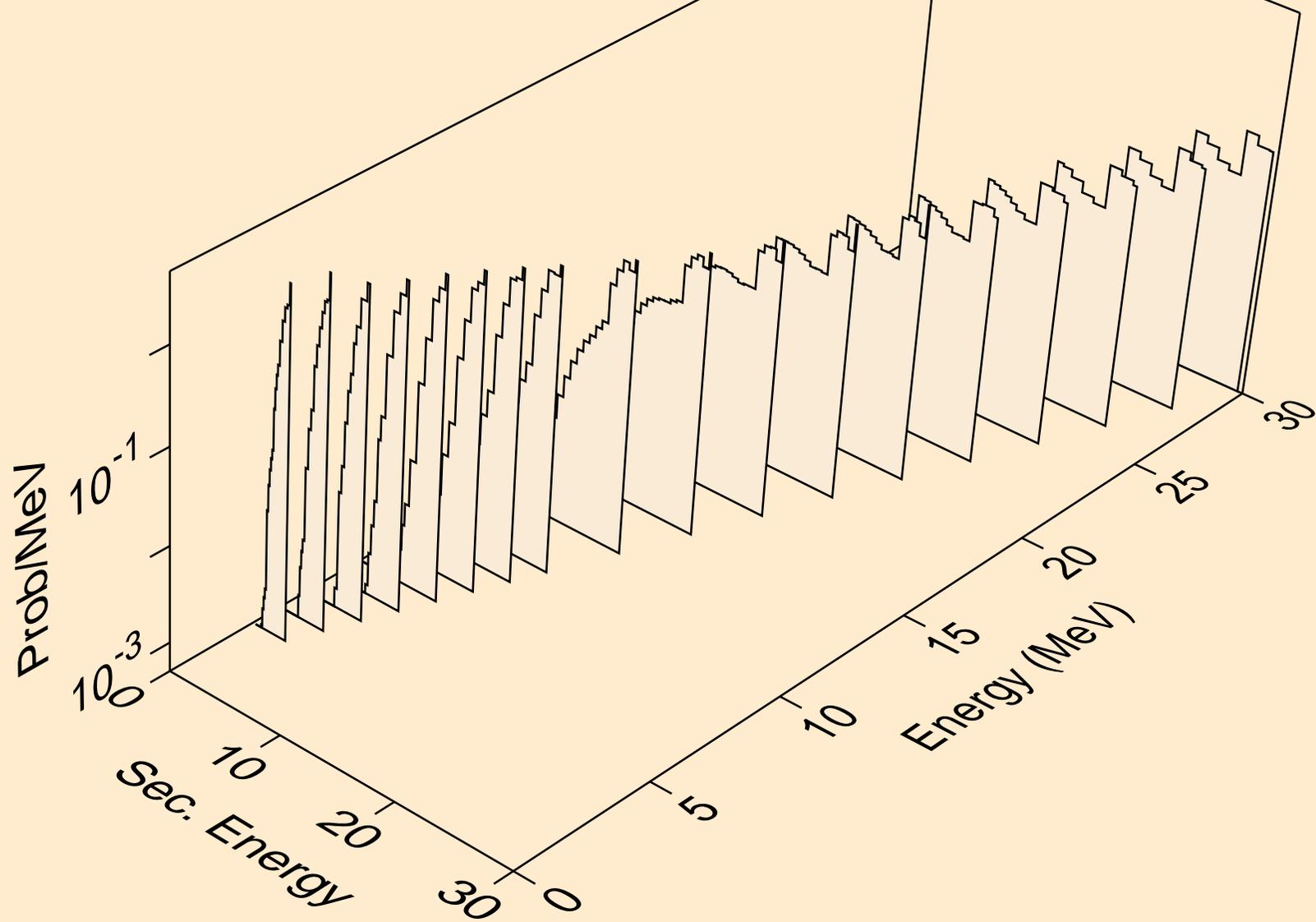
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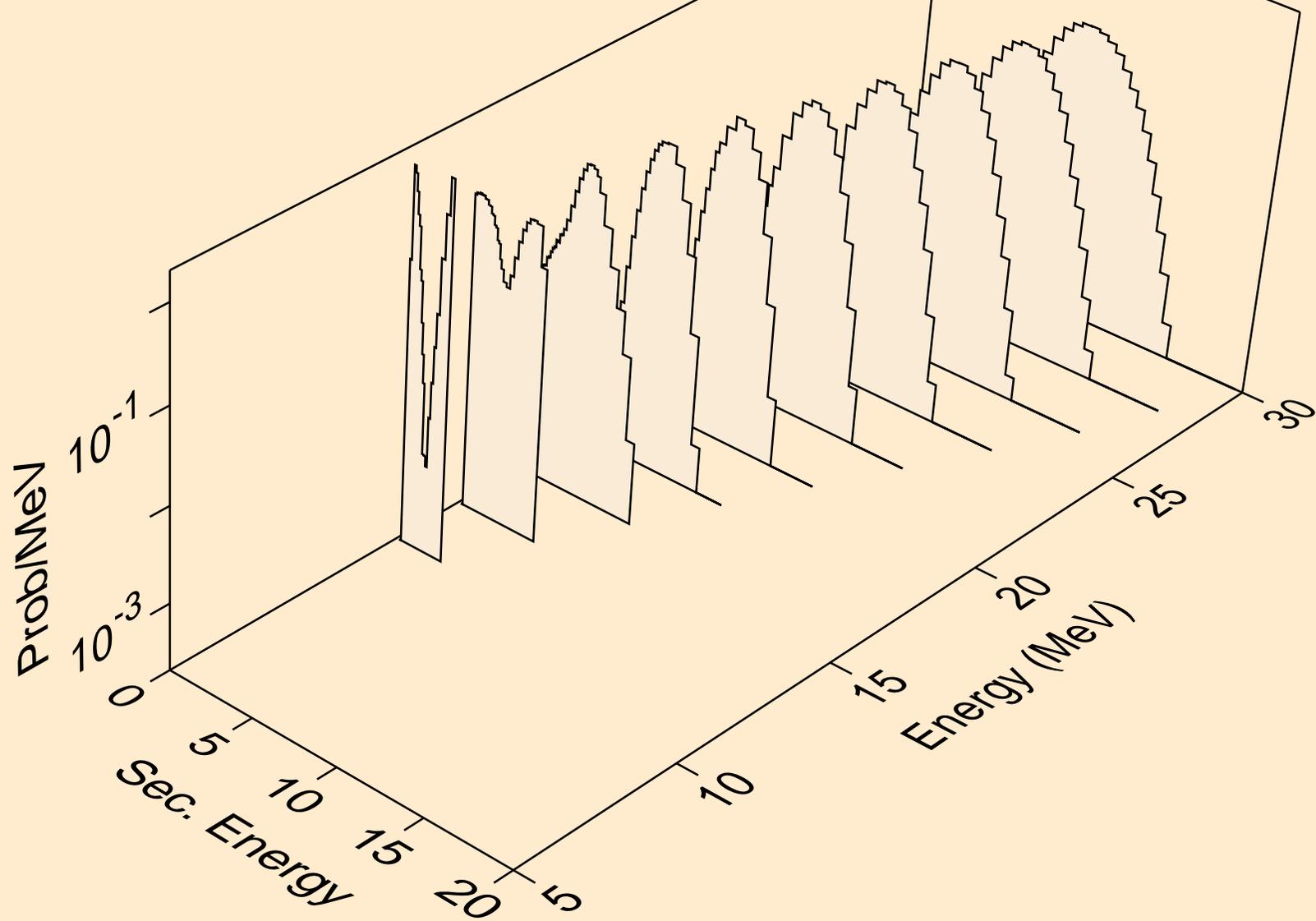
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Proton emission for (p,npa)



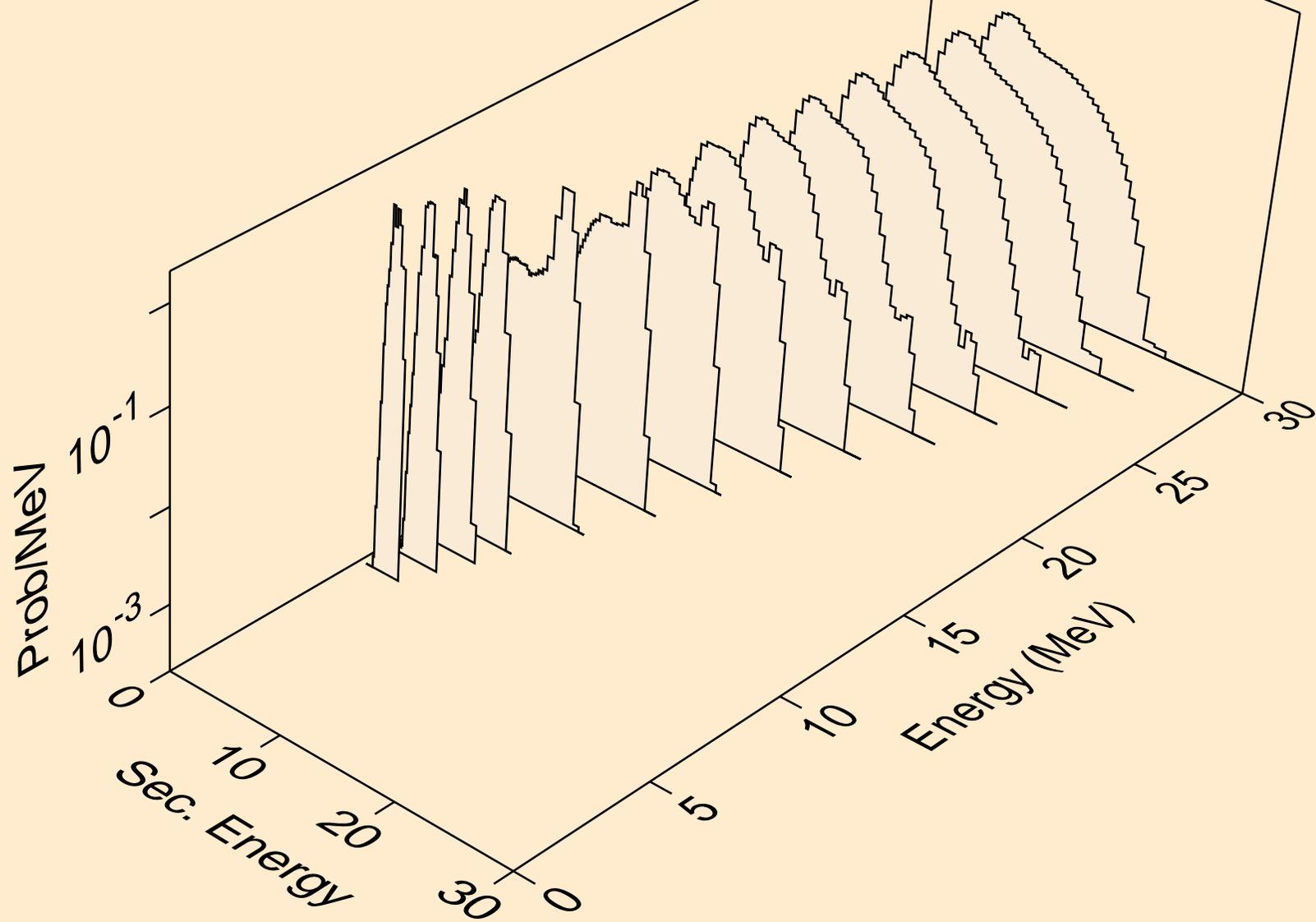
CE143 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for inelastic



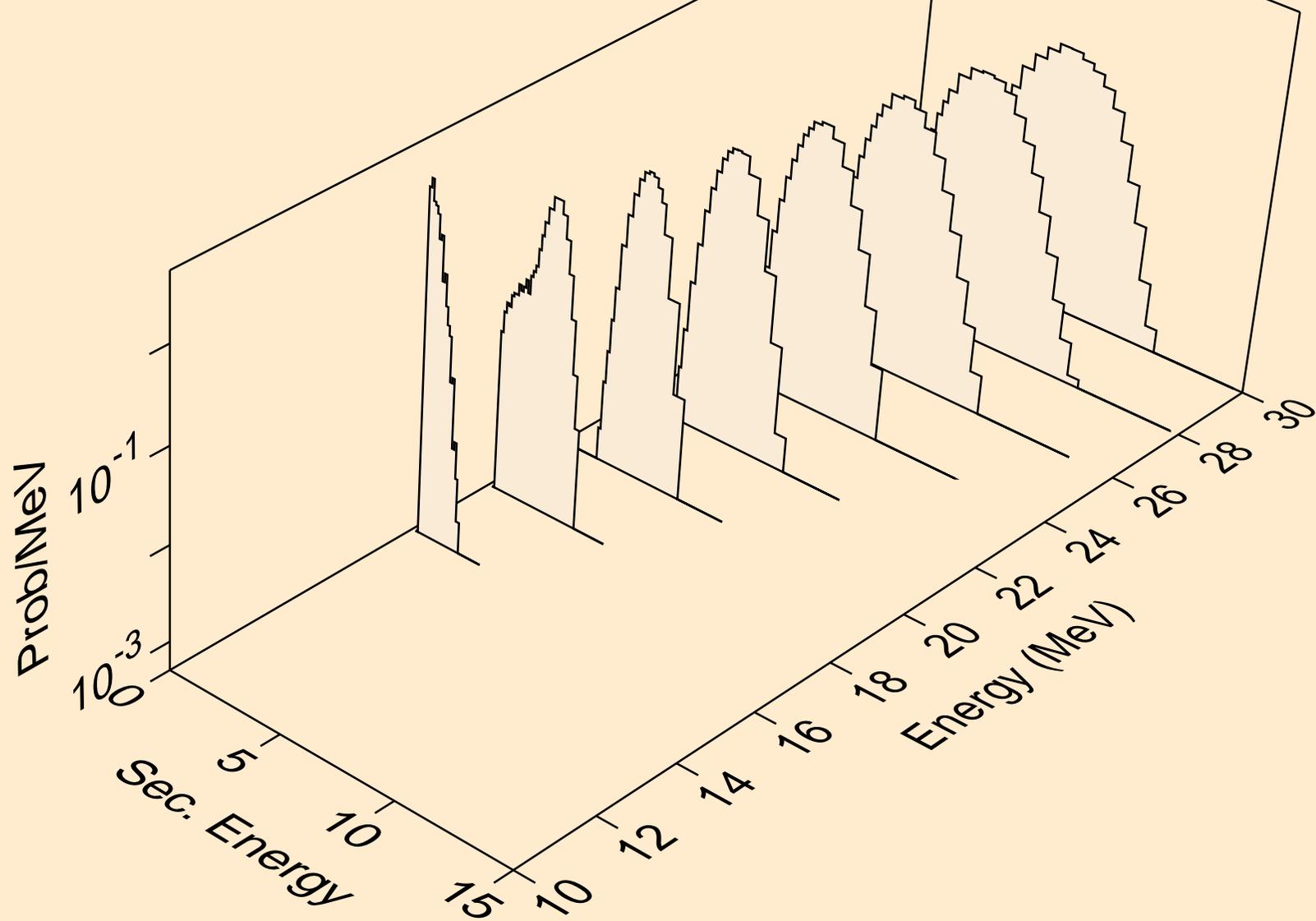
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Proton emission for (p,2p)



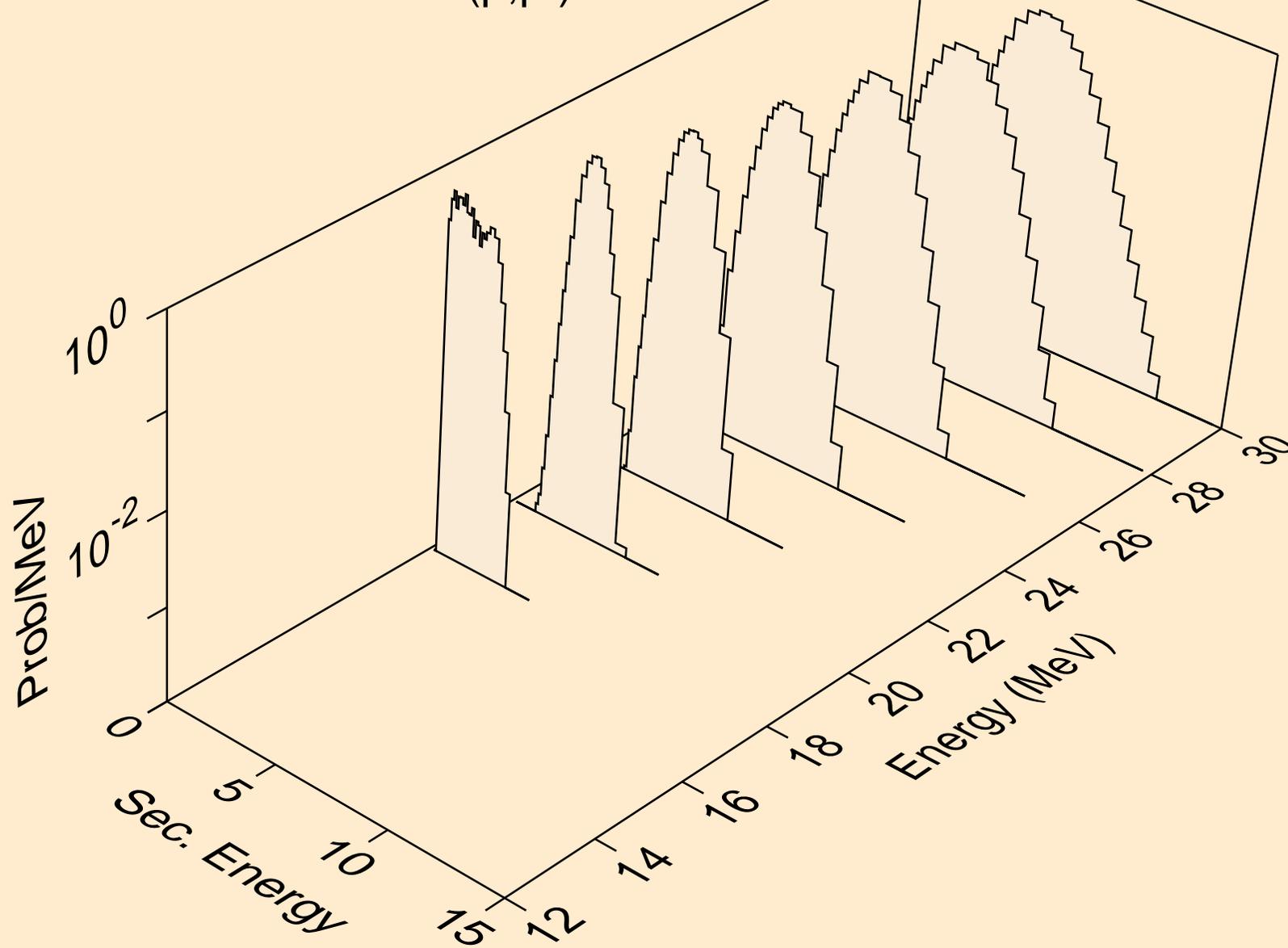
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Proton emission for (p,pa)



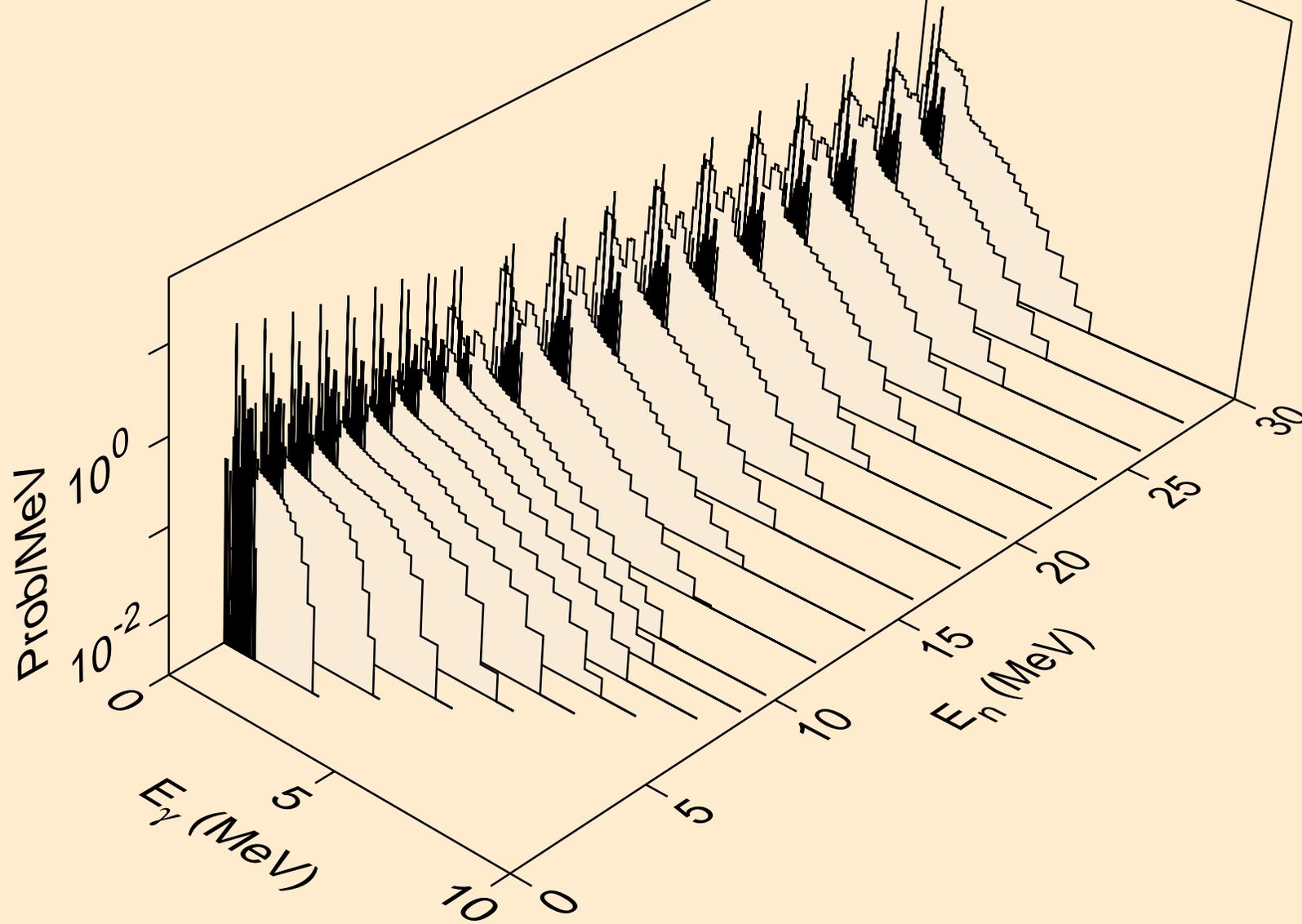
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Proton emission for (p,pd)



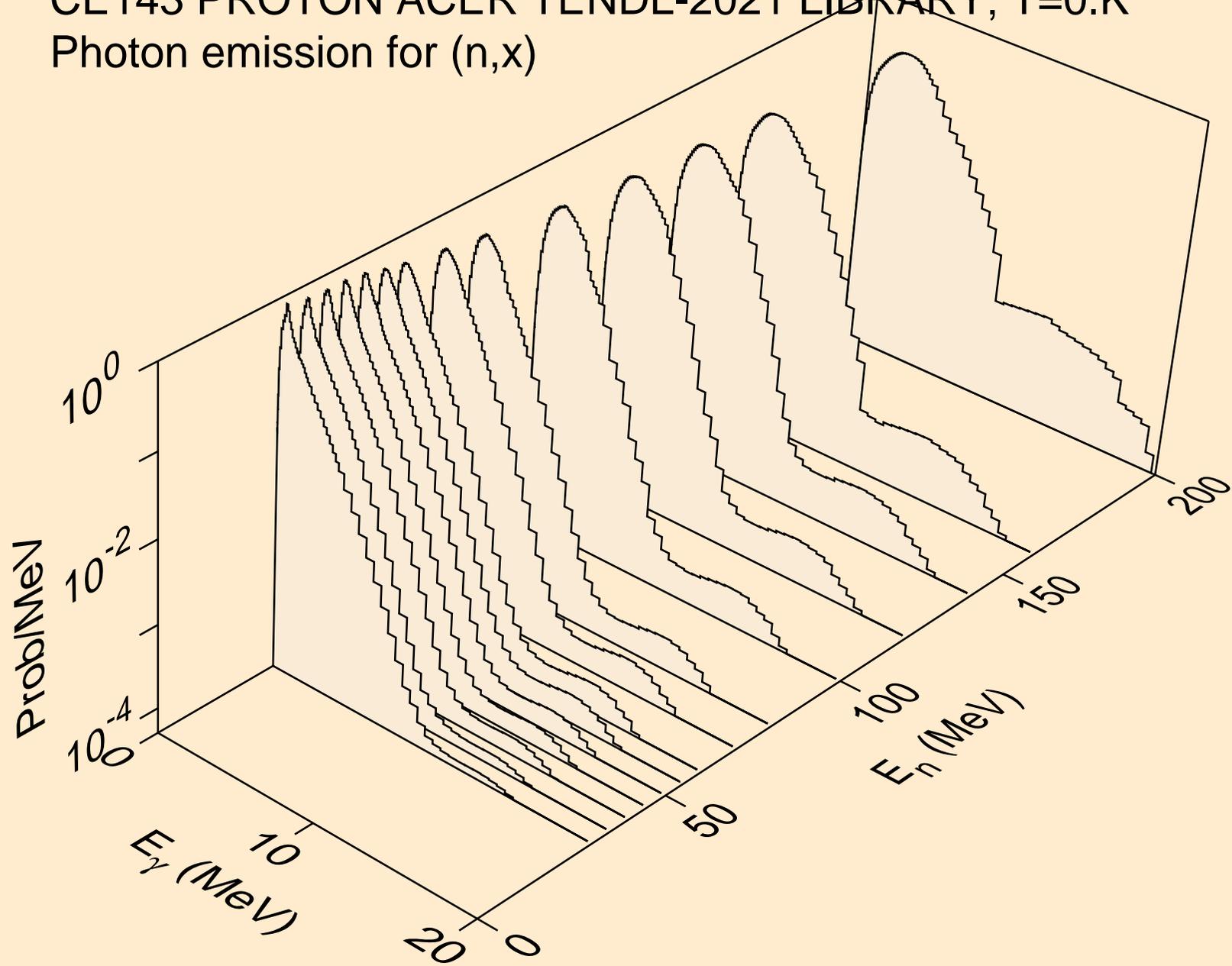
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Proton emission for (p,pt)



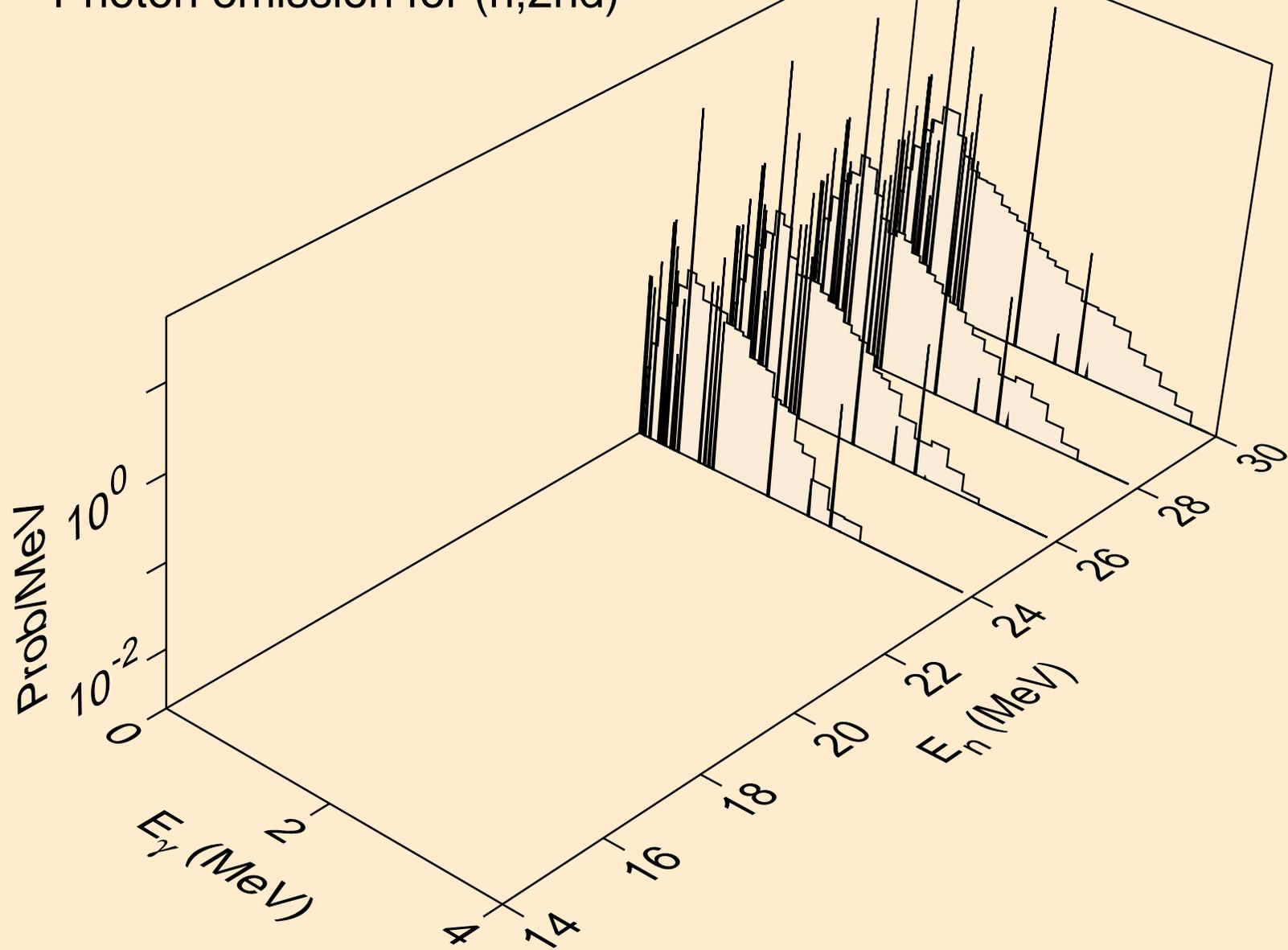
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Photon emission for (z,n)



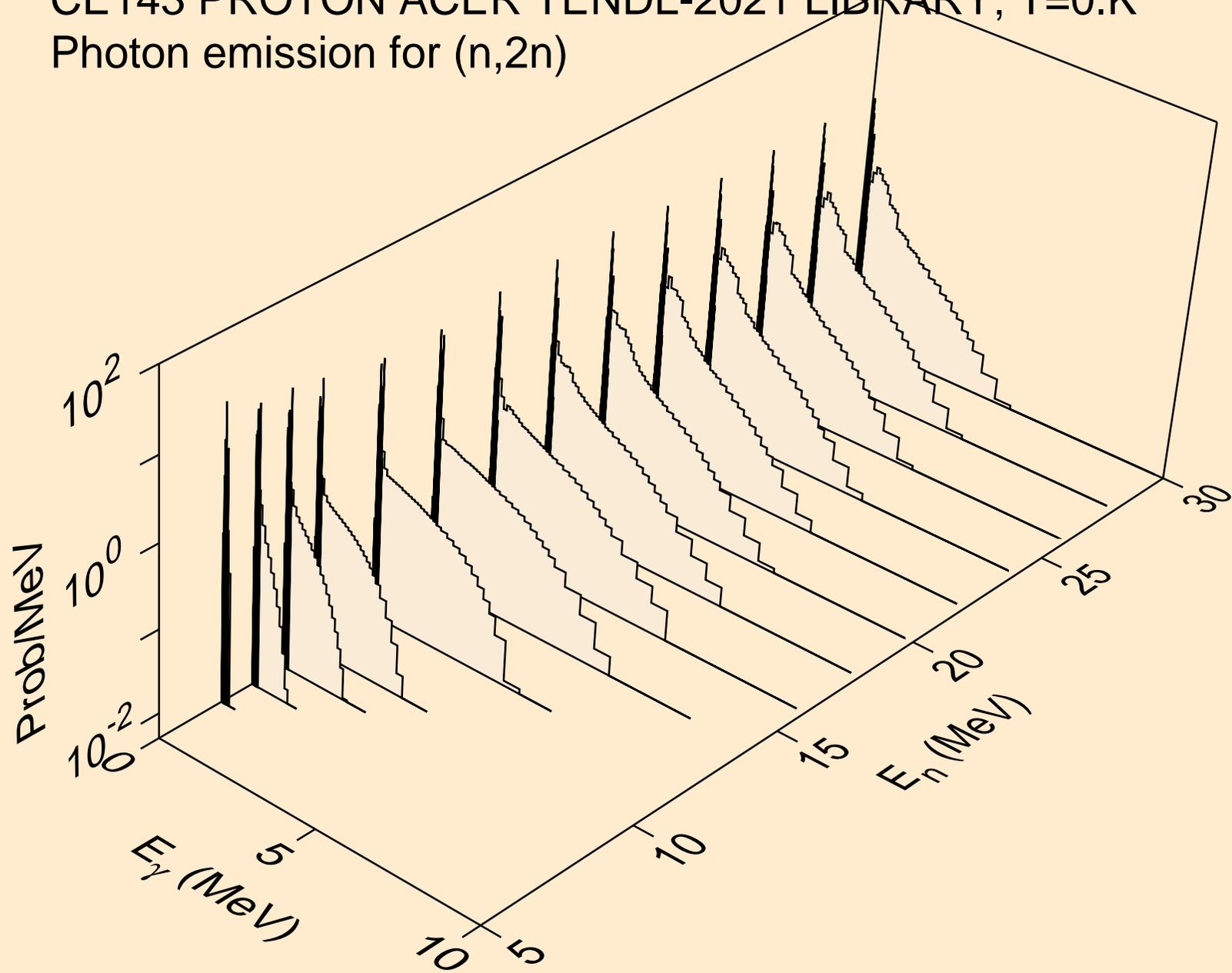
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Photon emission for (n,x)



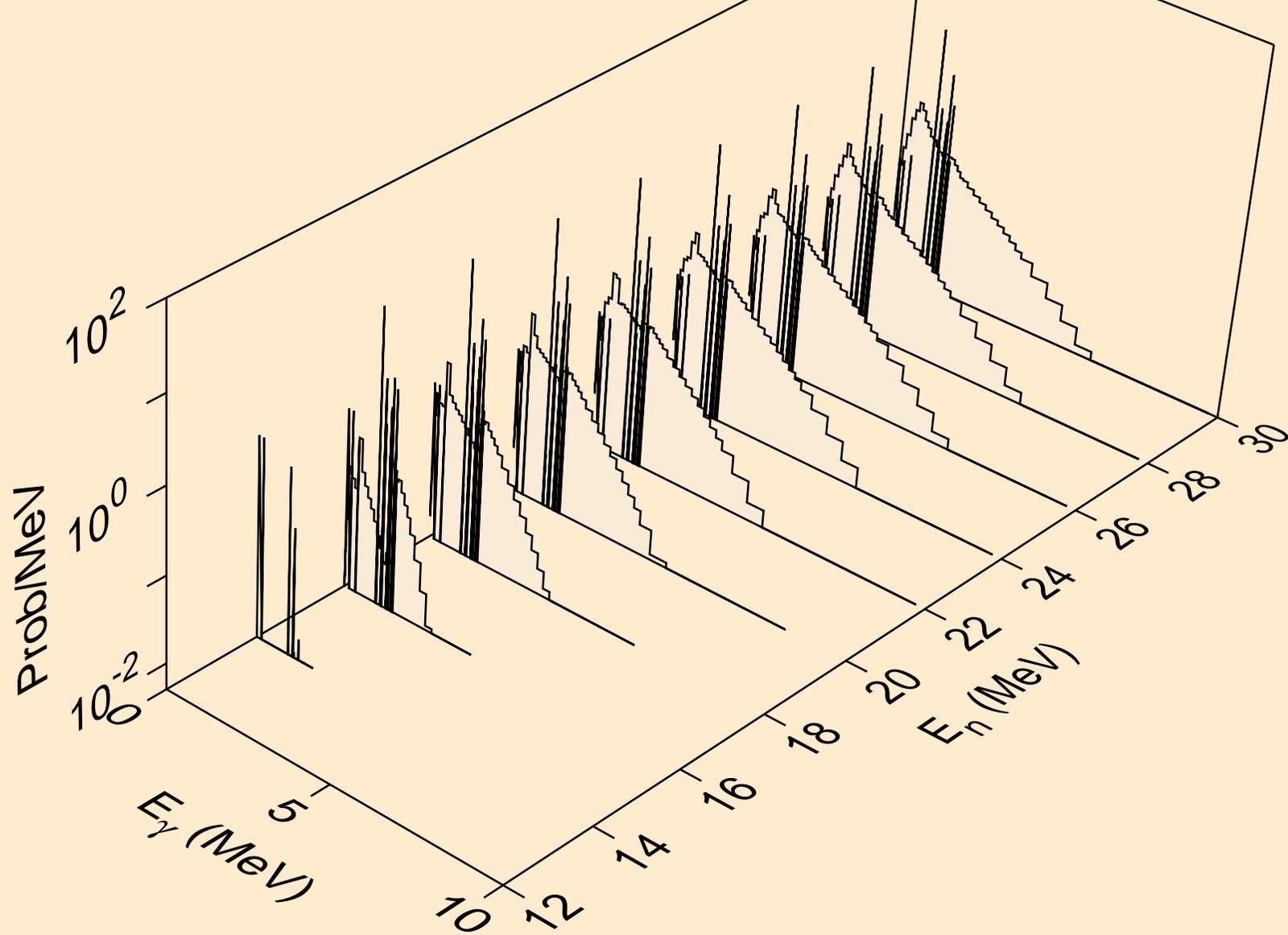
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Photon emission for (n,2nd)



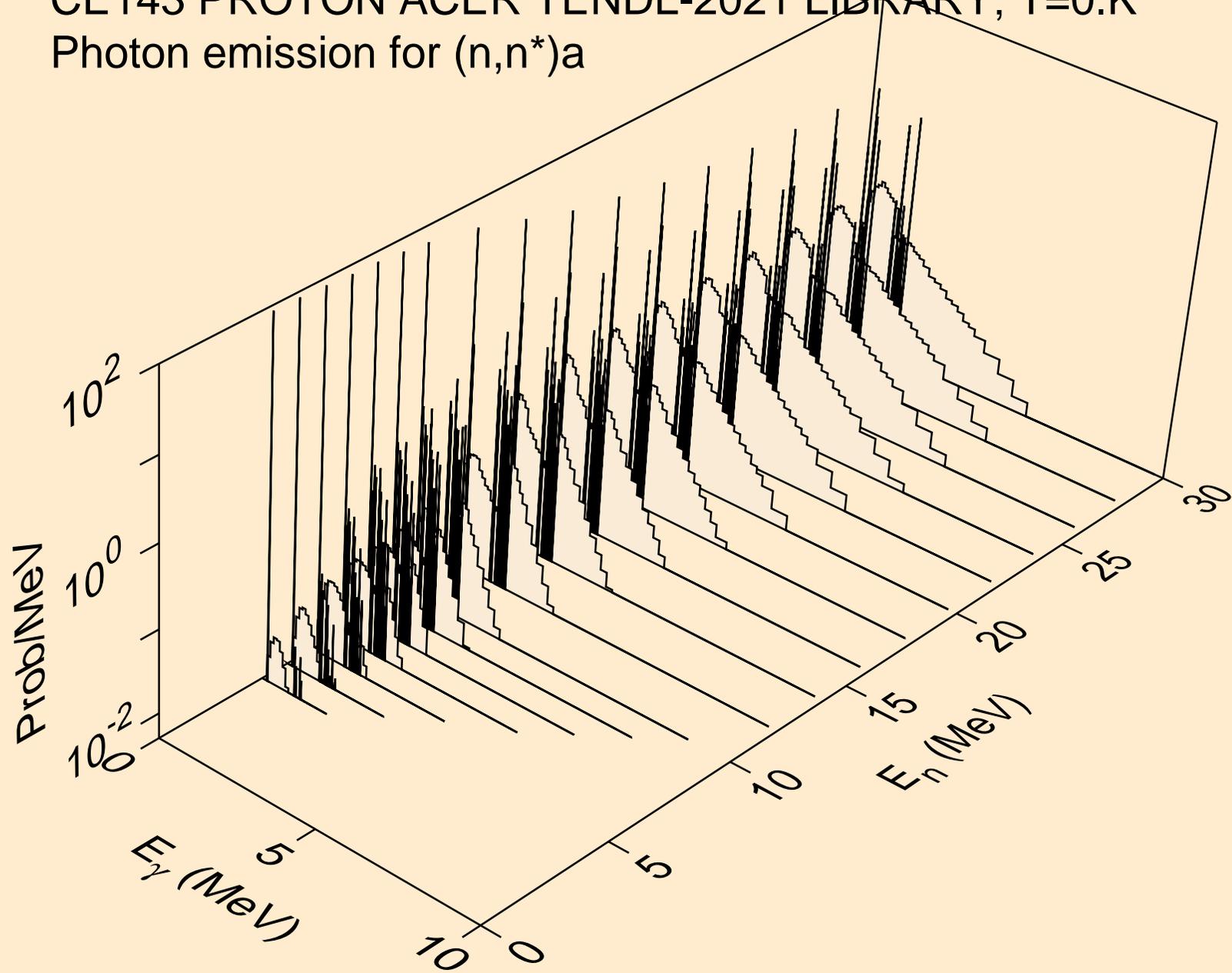
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Photon emission for (n,2n)



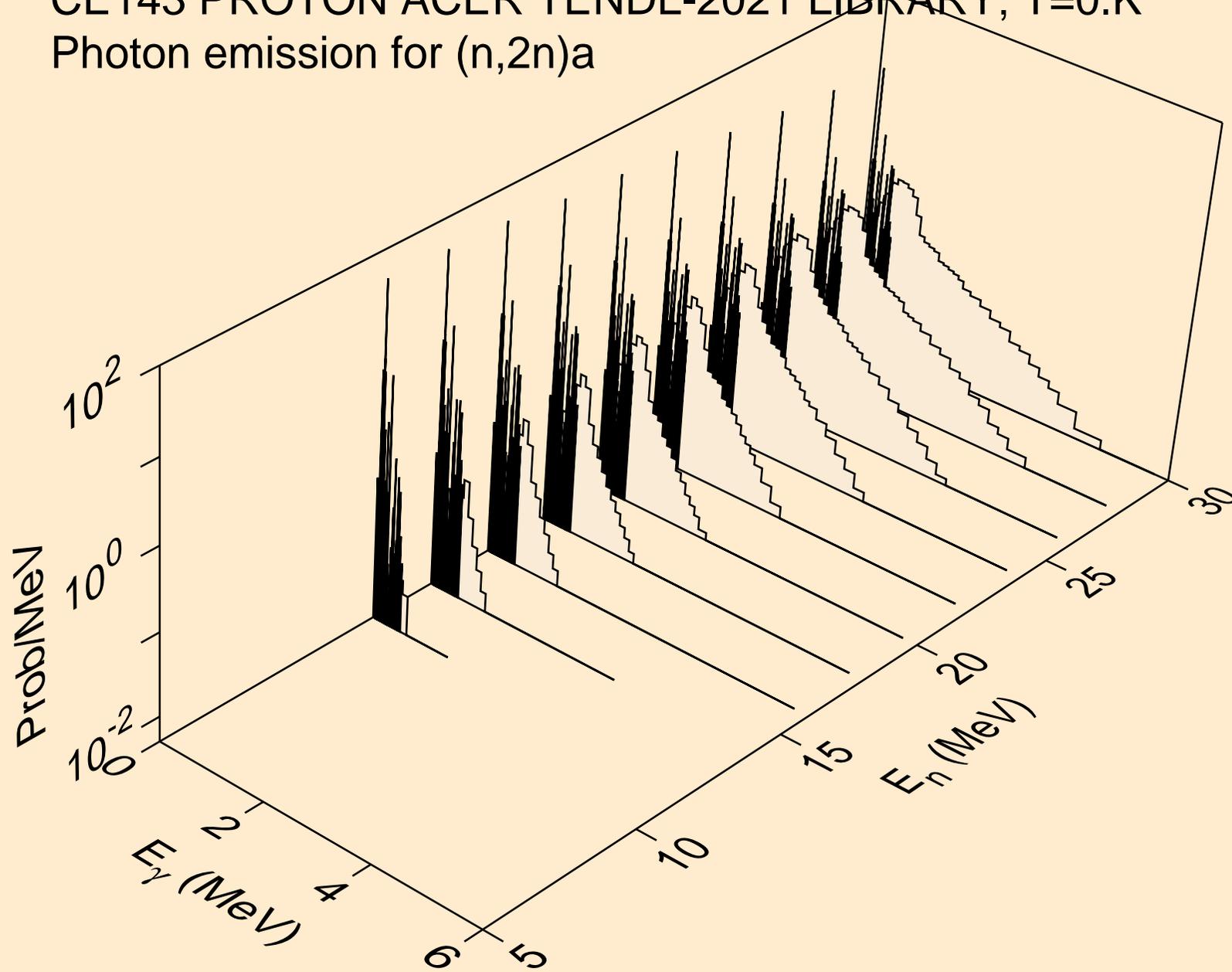
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Photon emission for (n,3n)



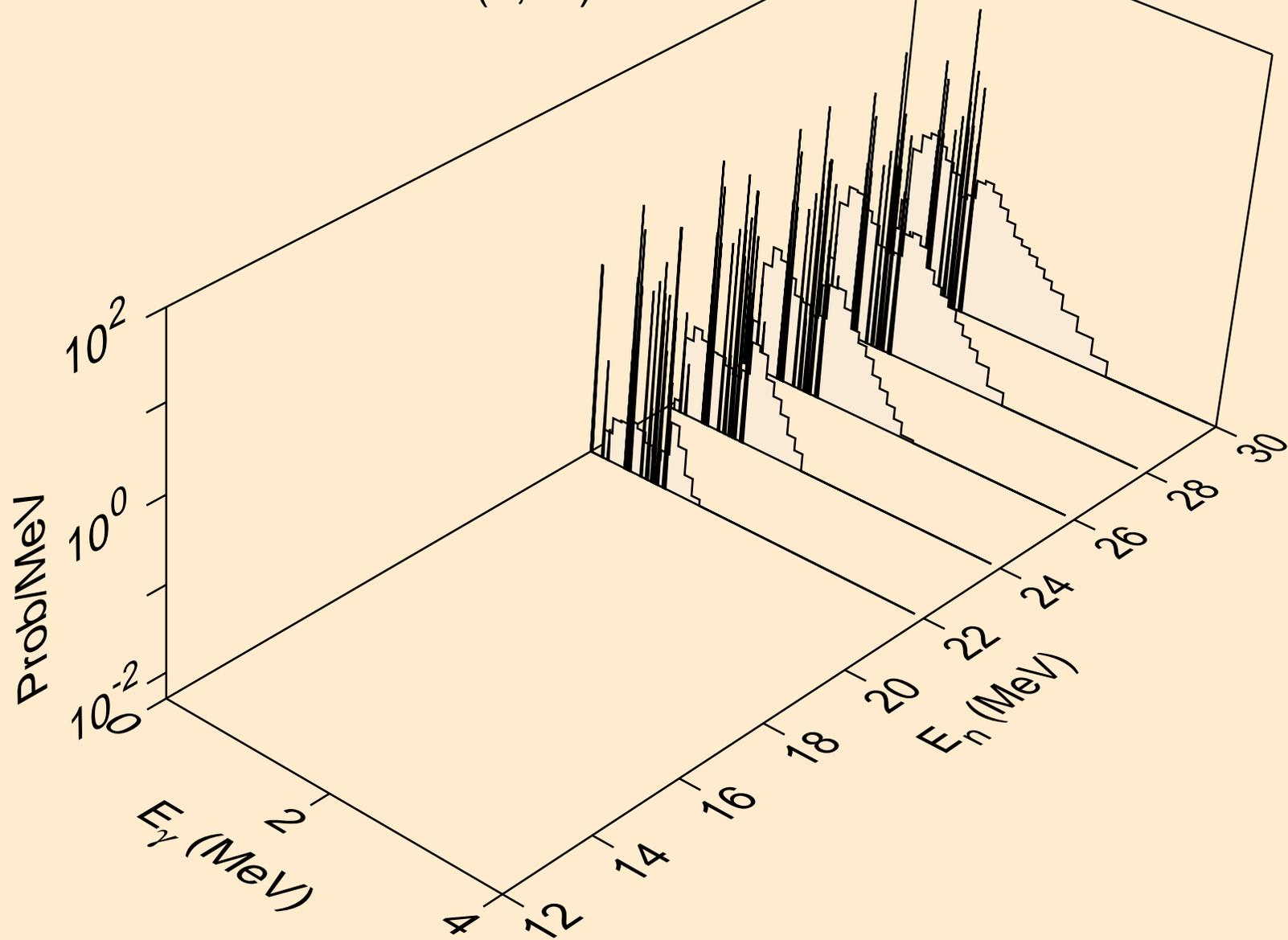
CE143 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



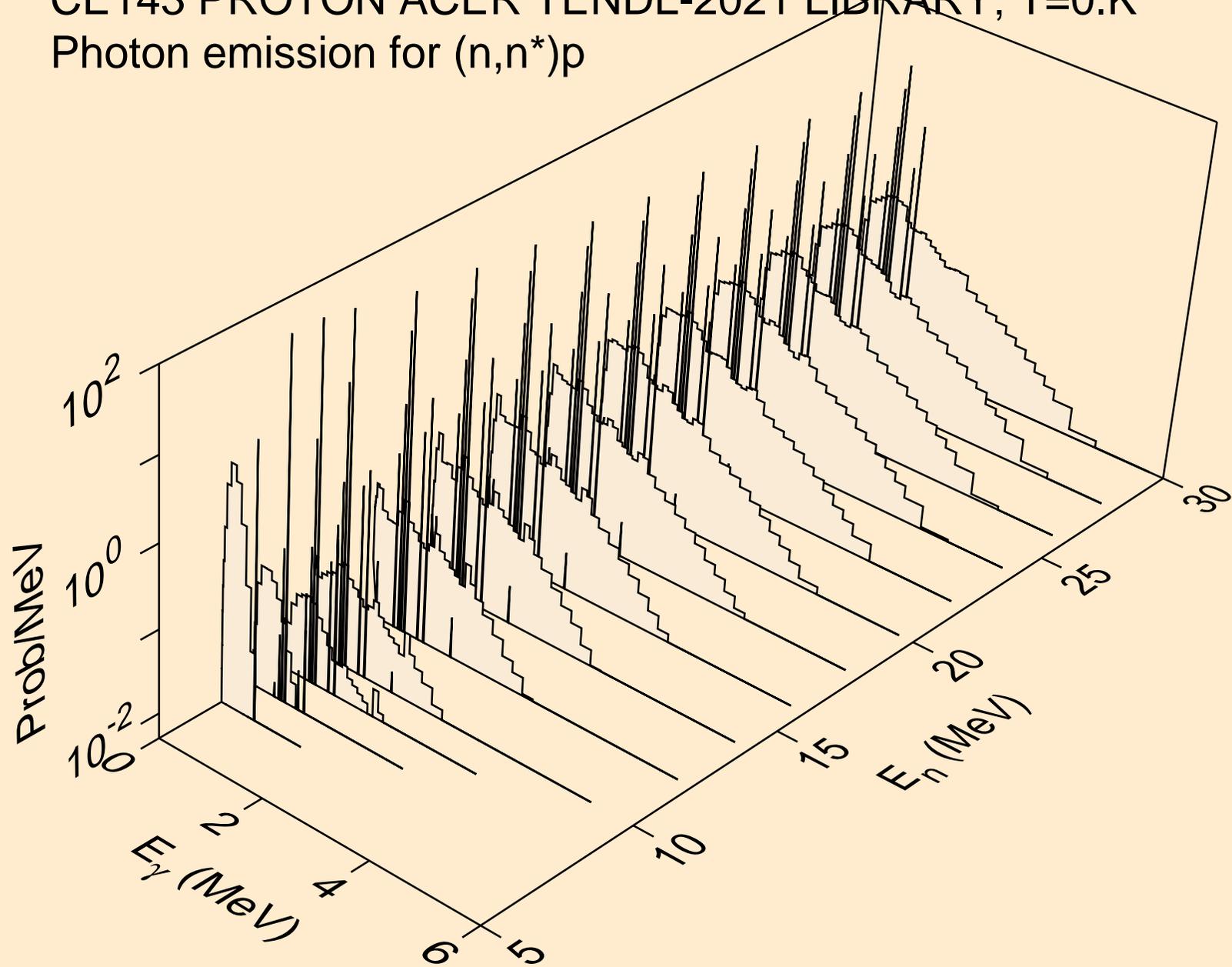
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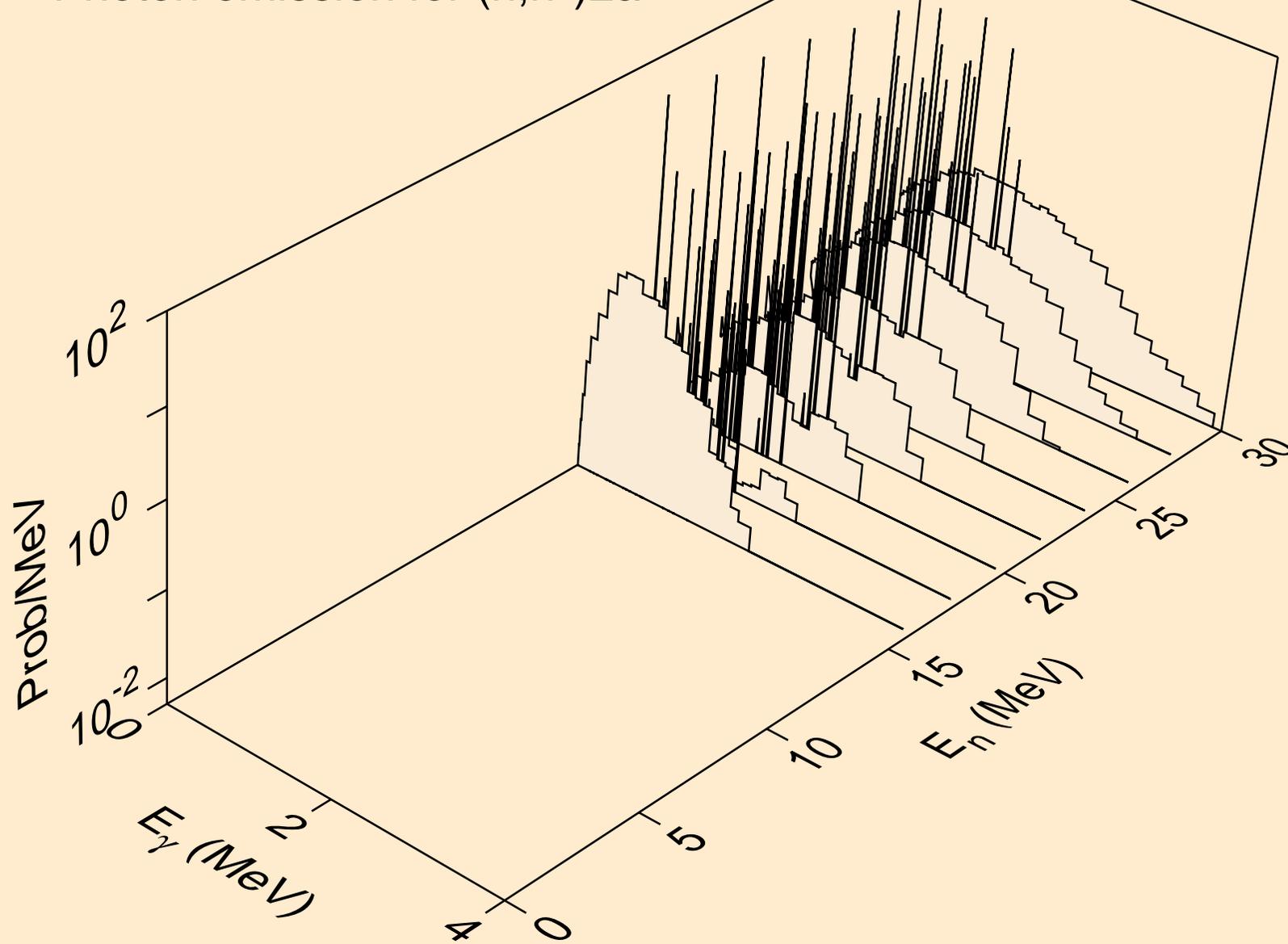
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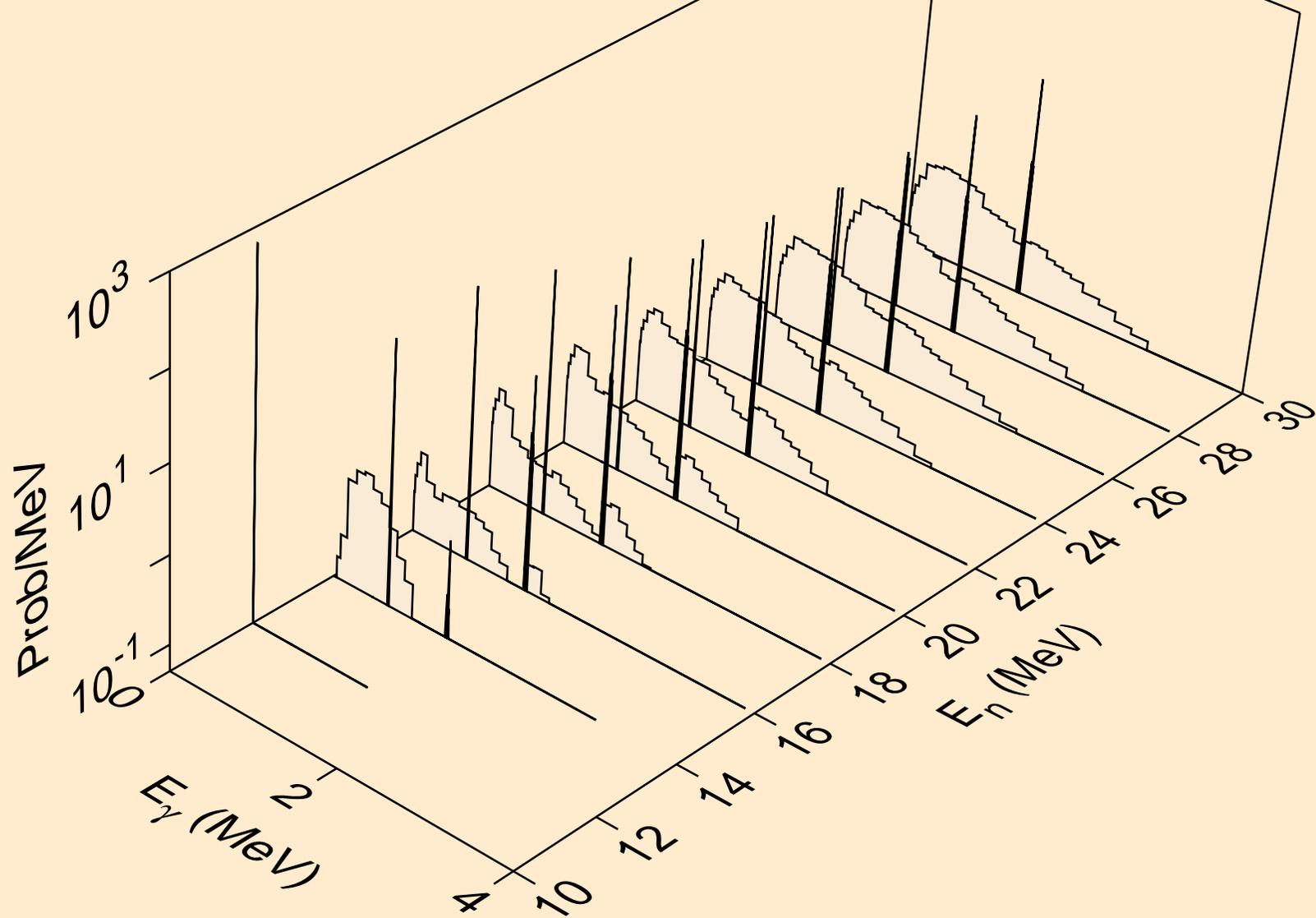
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Photon emission for (n,n\*)p



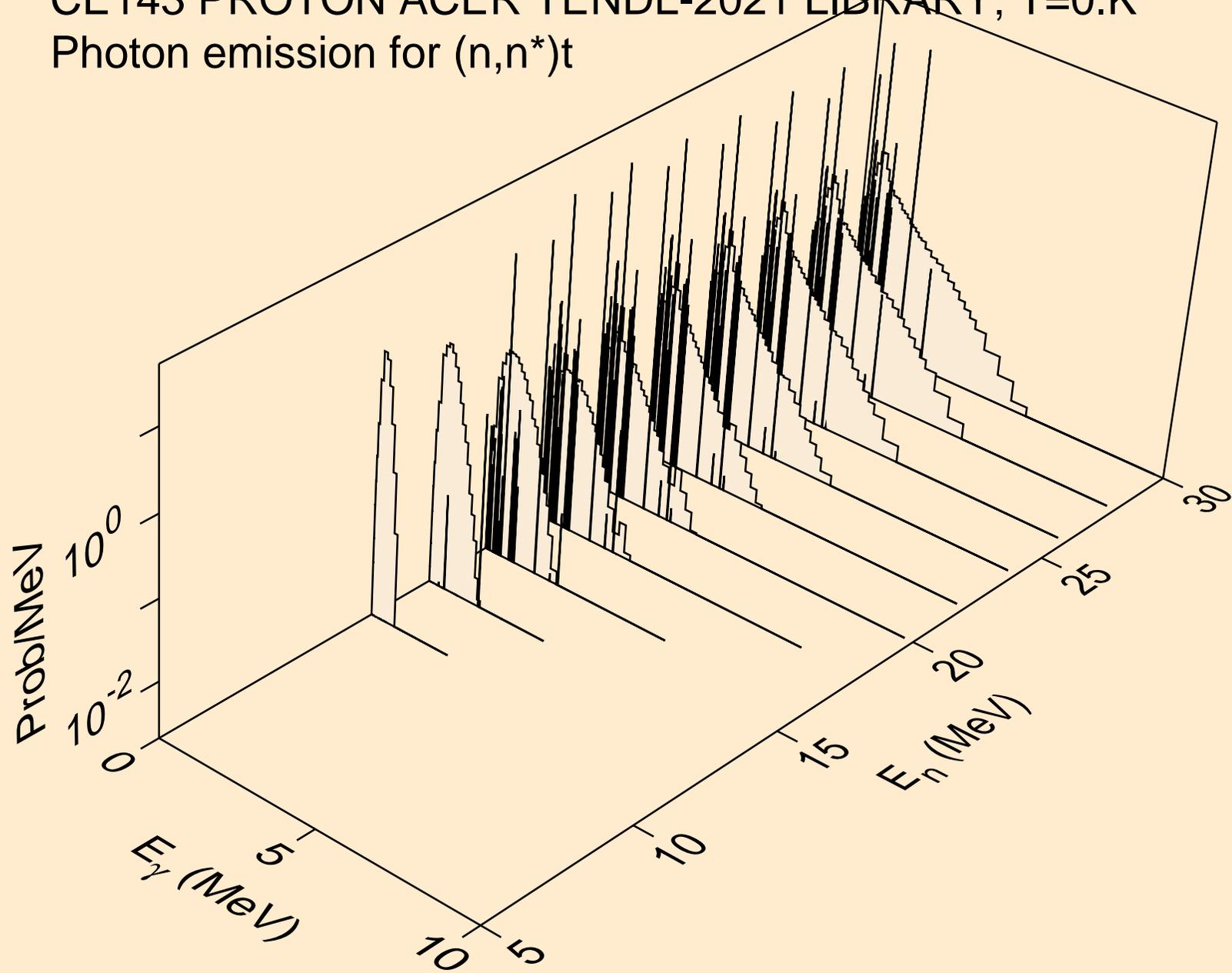
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Photon emission for (n,n\*)2a



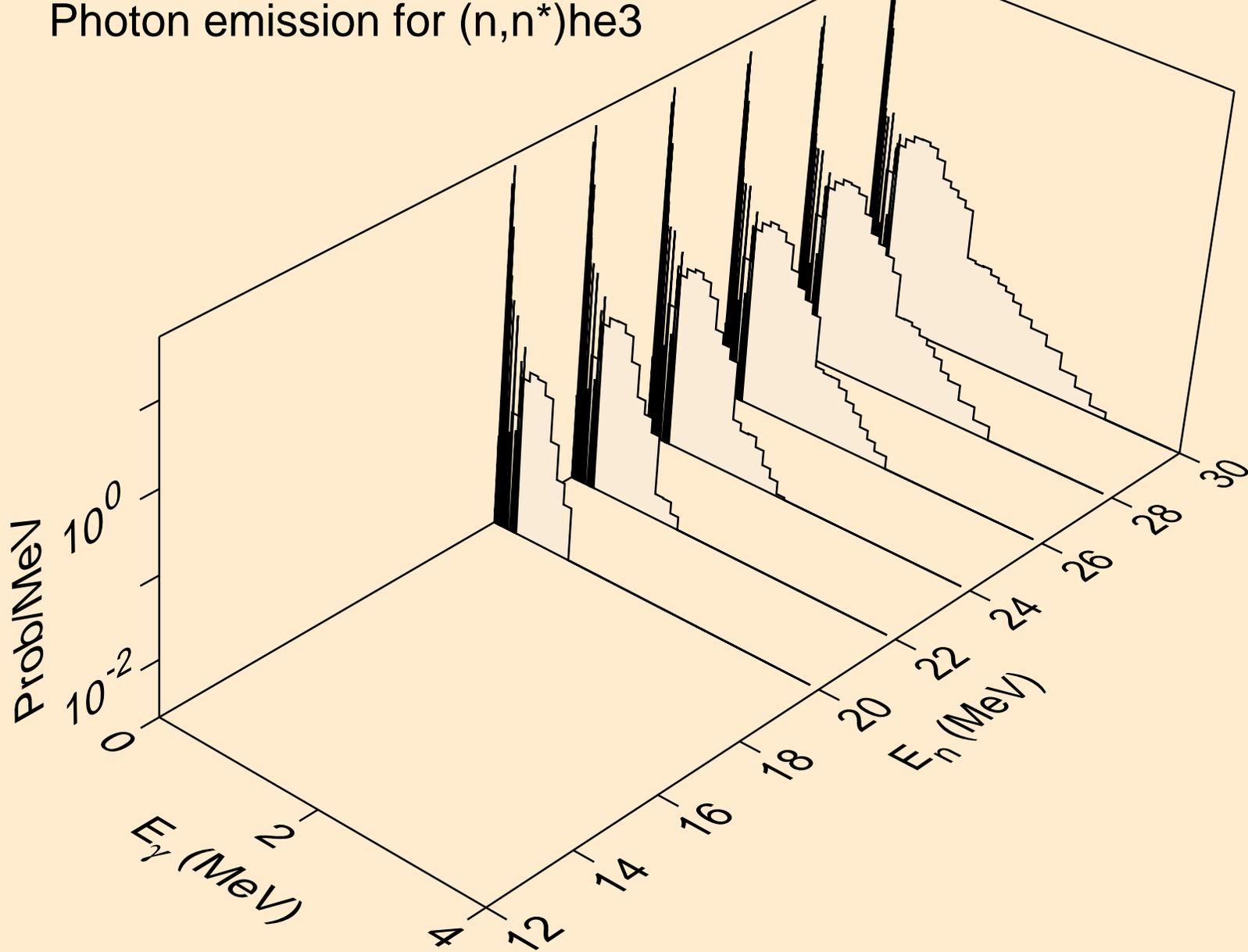
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Photon emission for (n,n\*)d



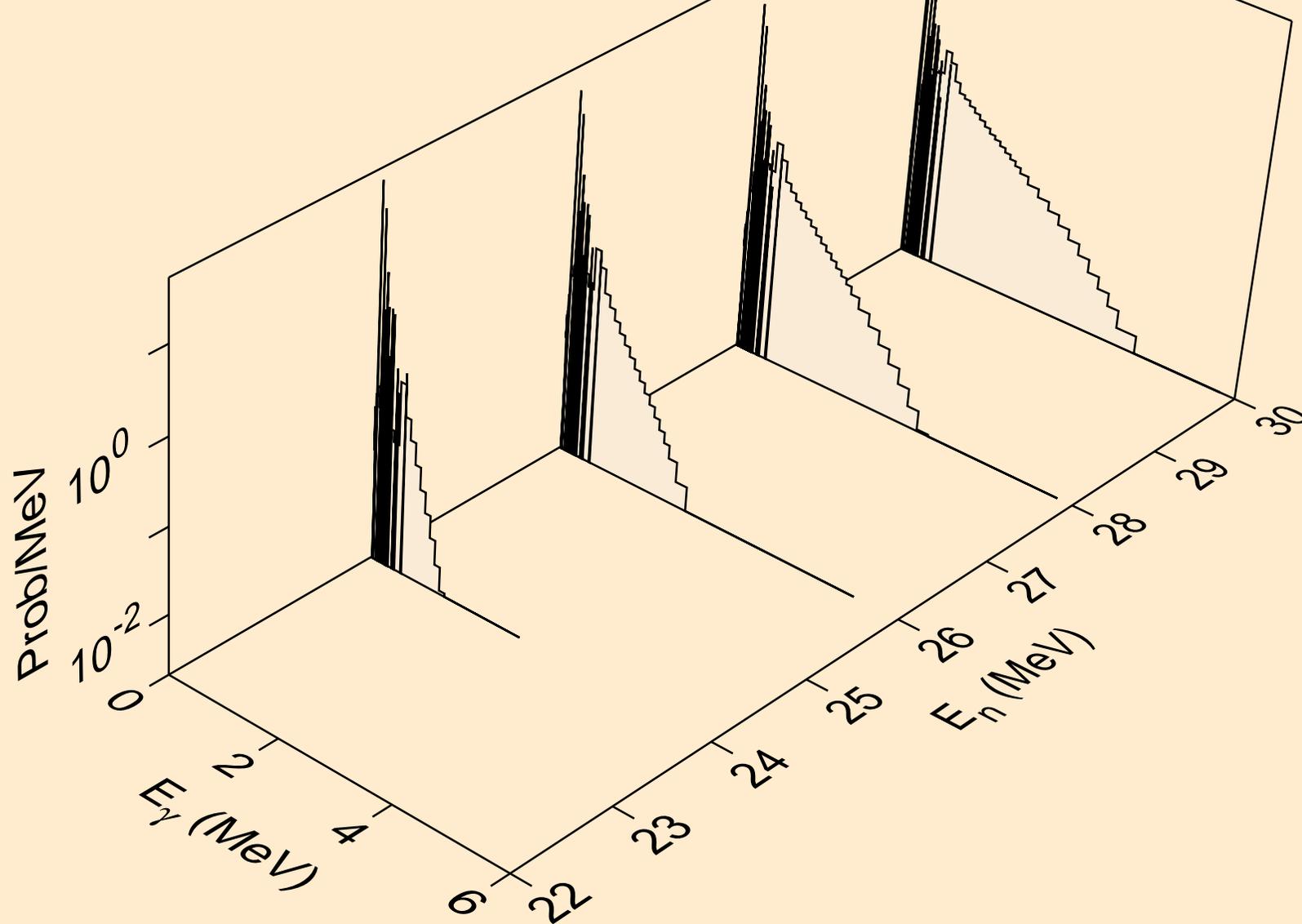
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Photon emission for (n,n\*)t



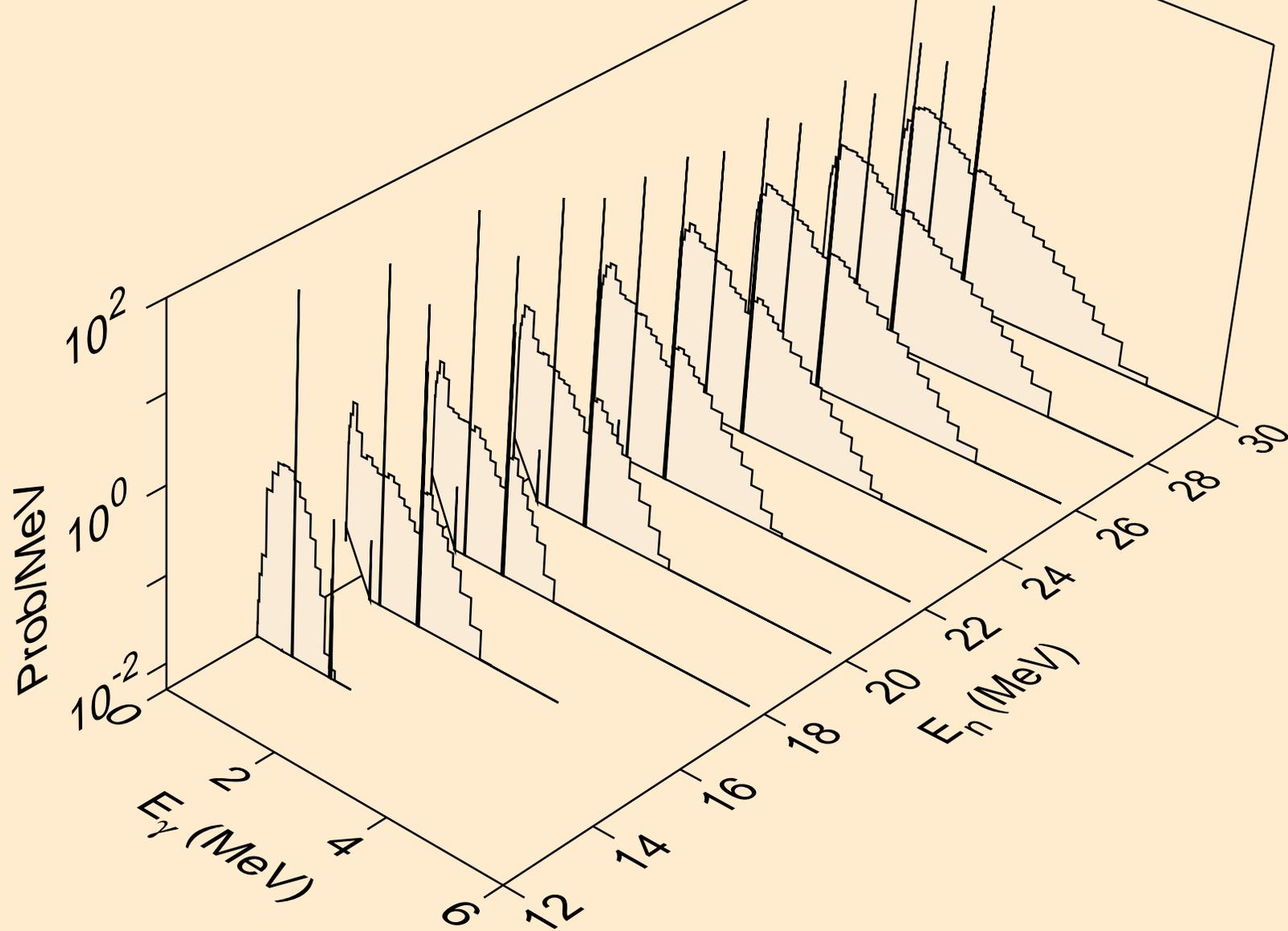
CE143 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



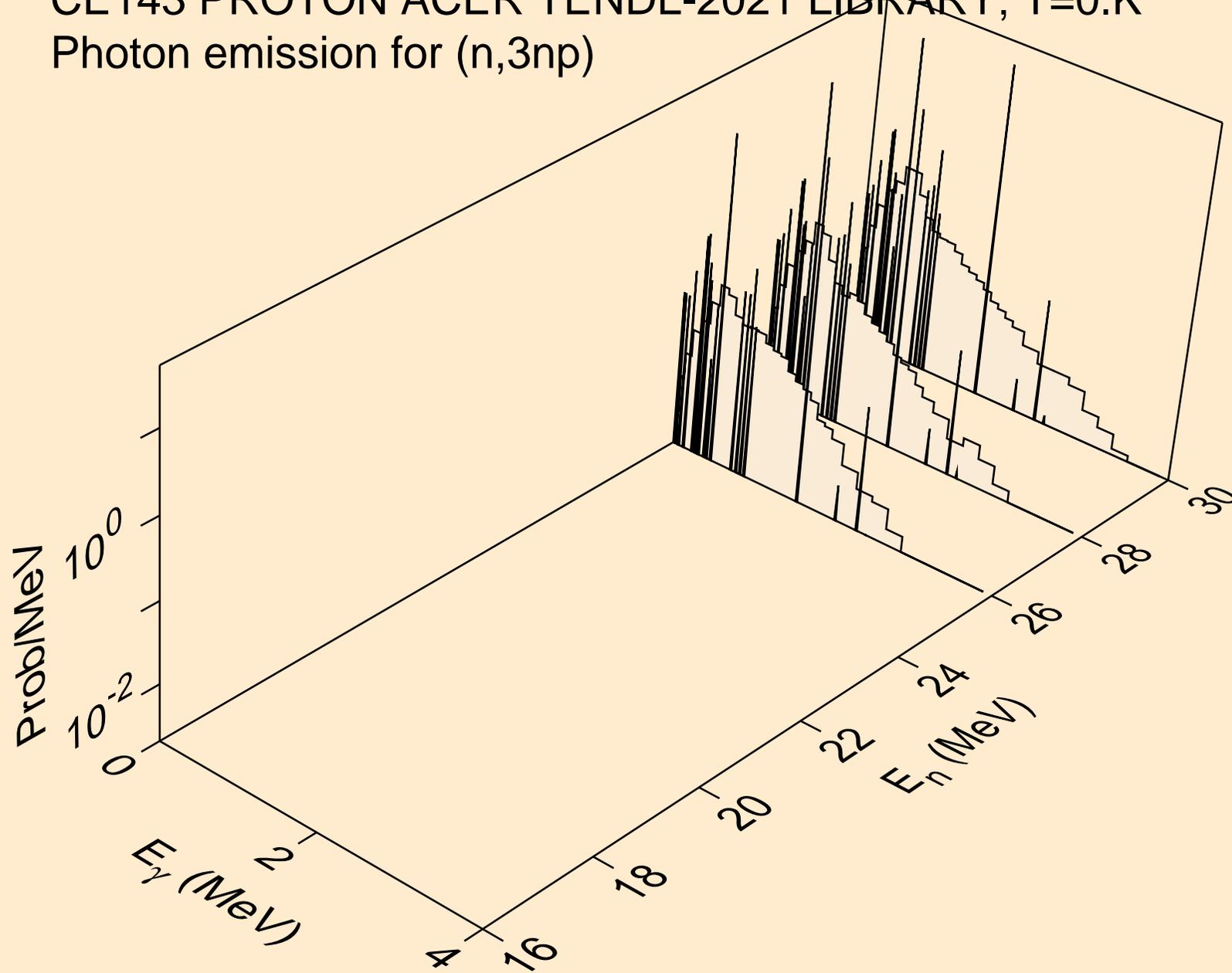
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Photon emission for (n,4n)



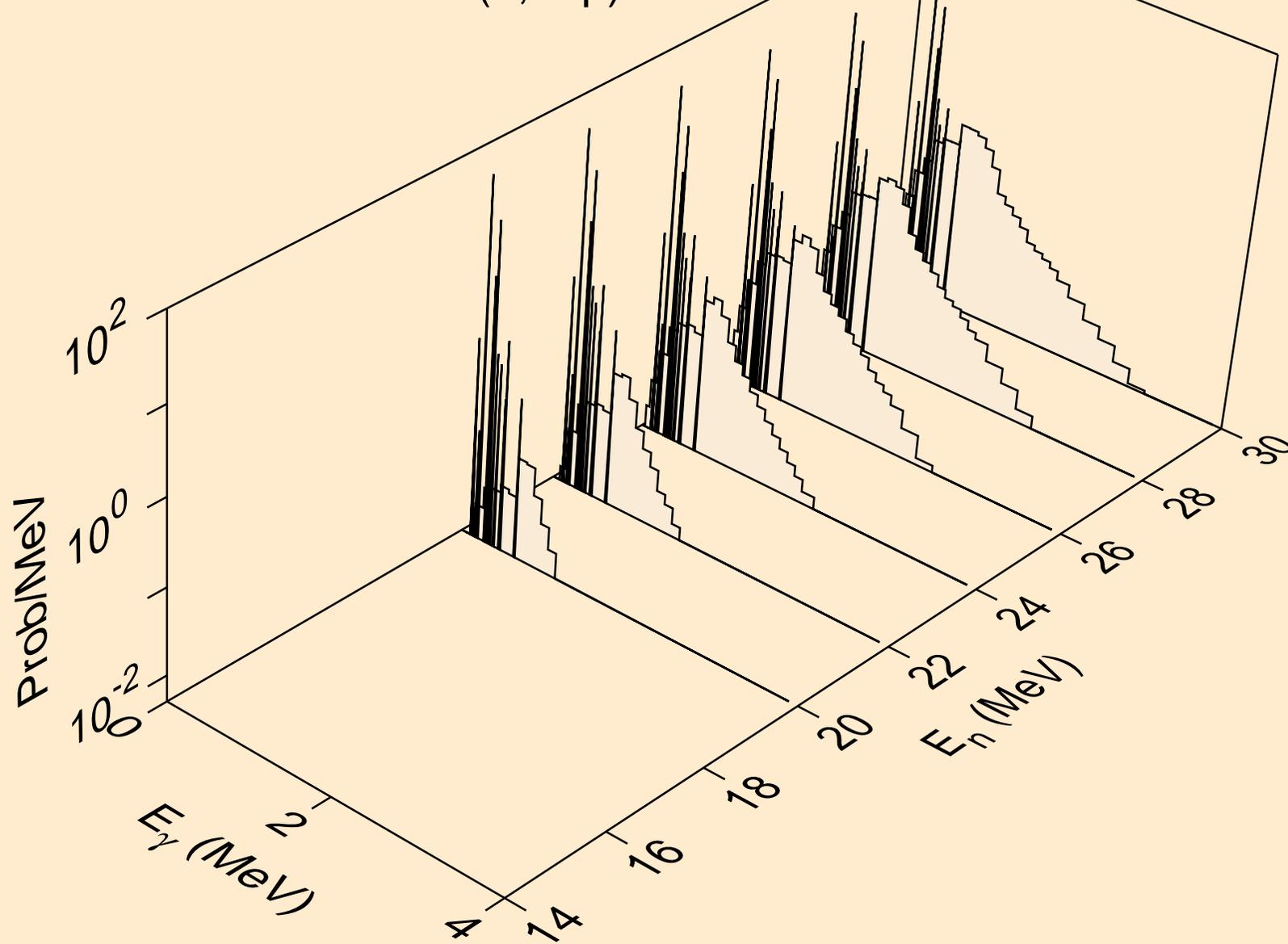
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Photon emission for (n,2np)



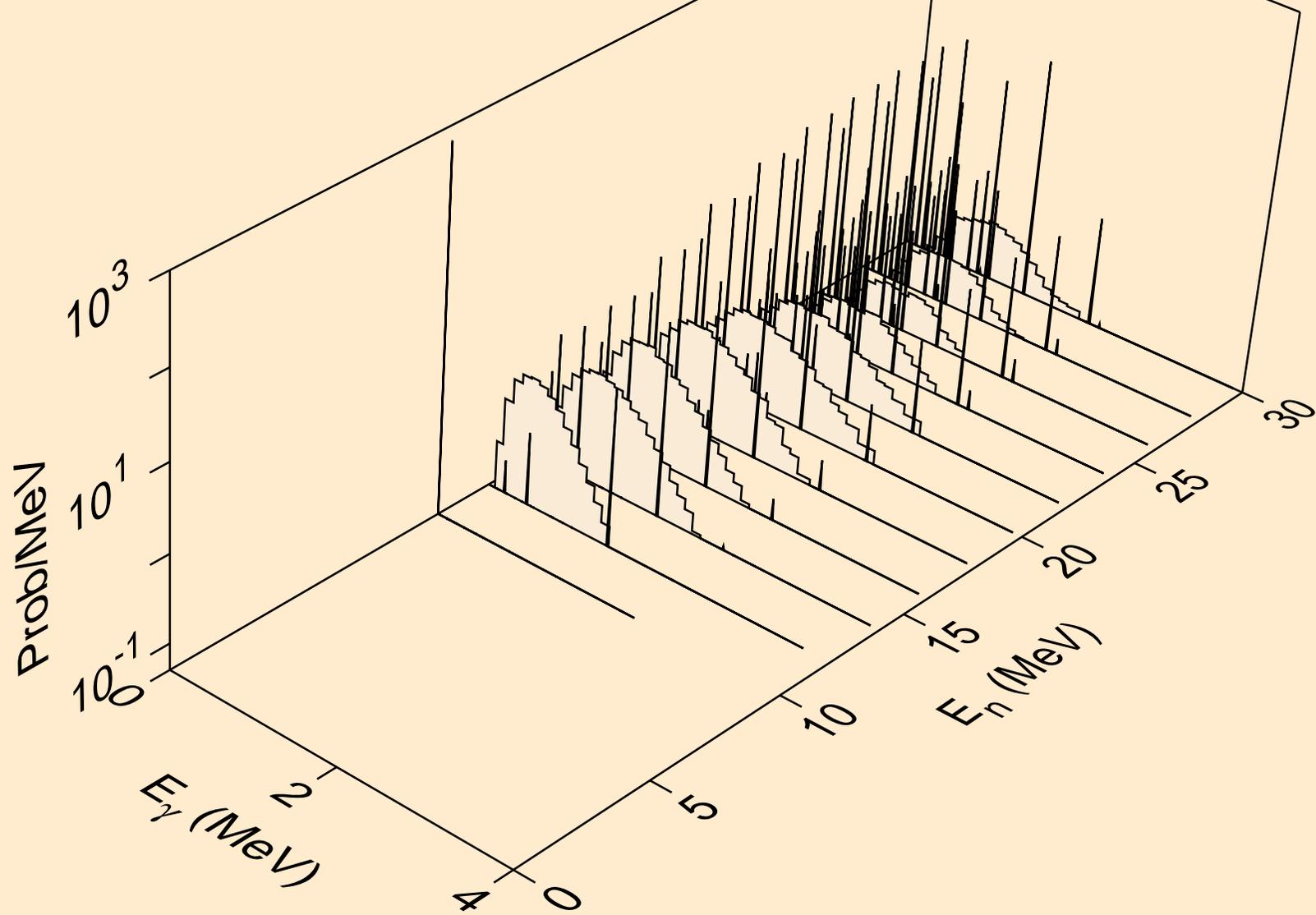
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Photon emission for (n,3np)



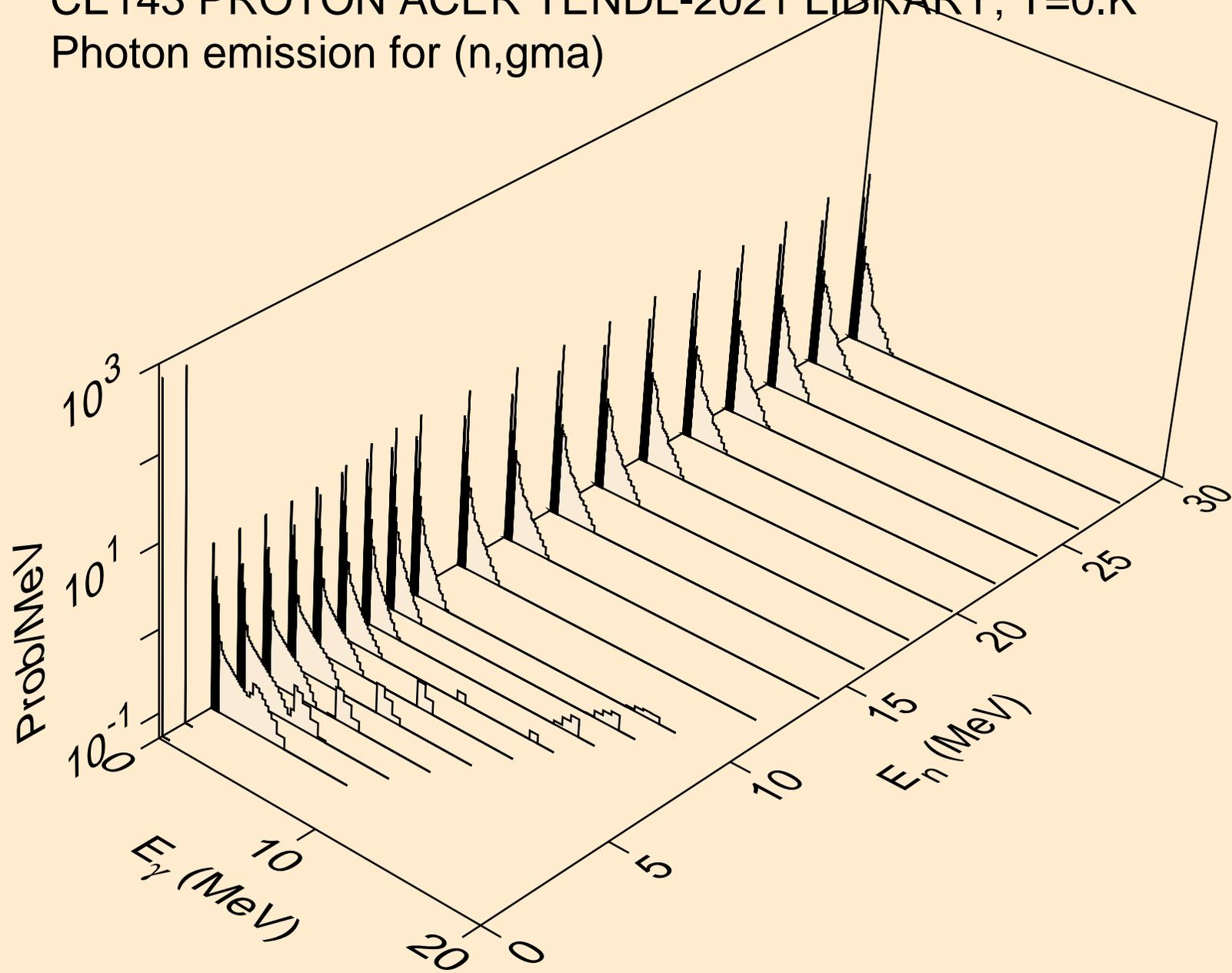
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Photon emission for (n,2np)



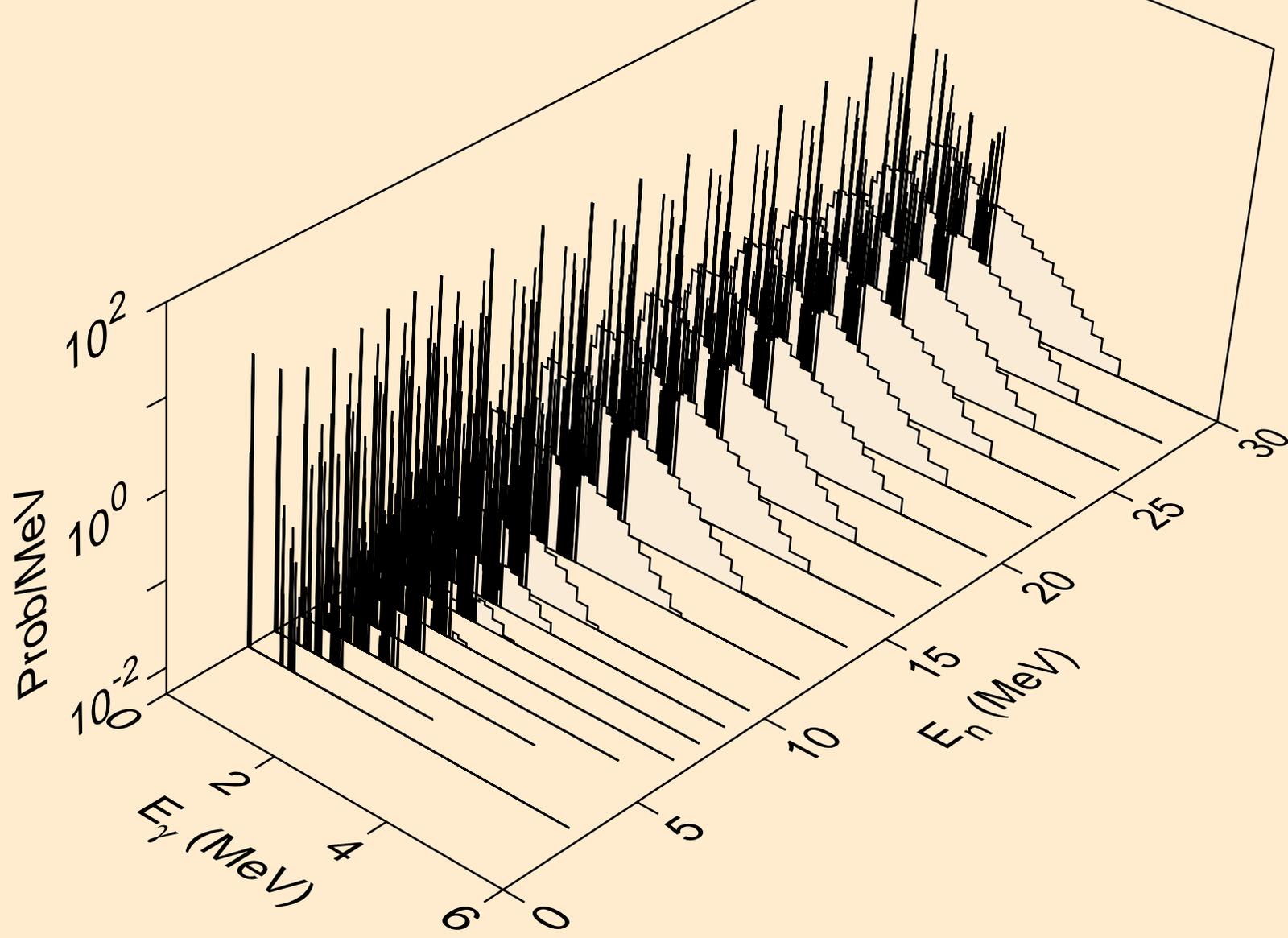
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Photon emission for (n,npa)



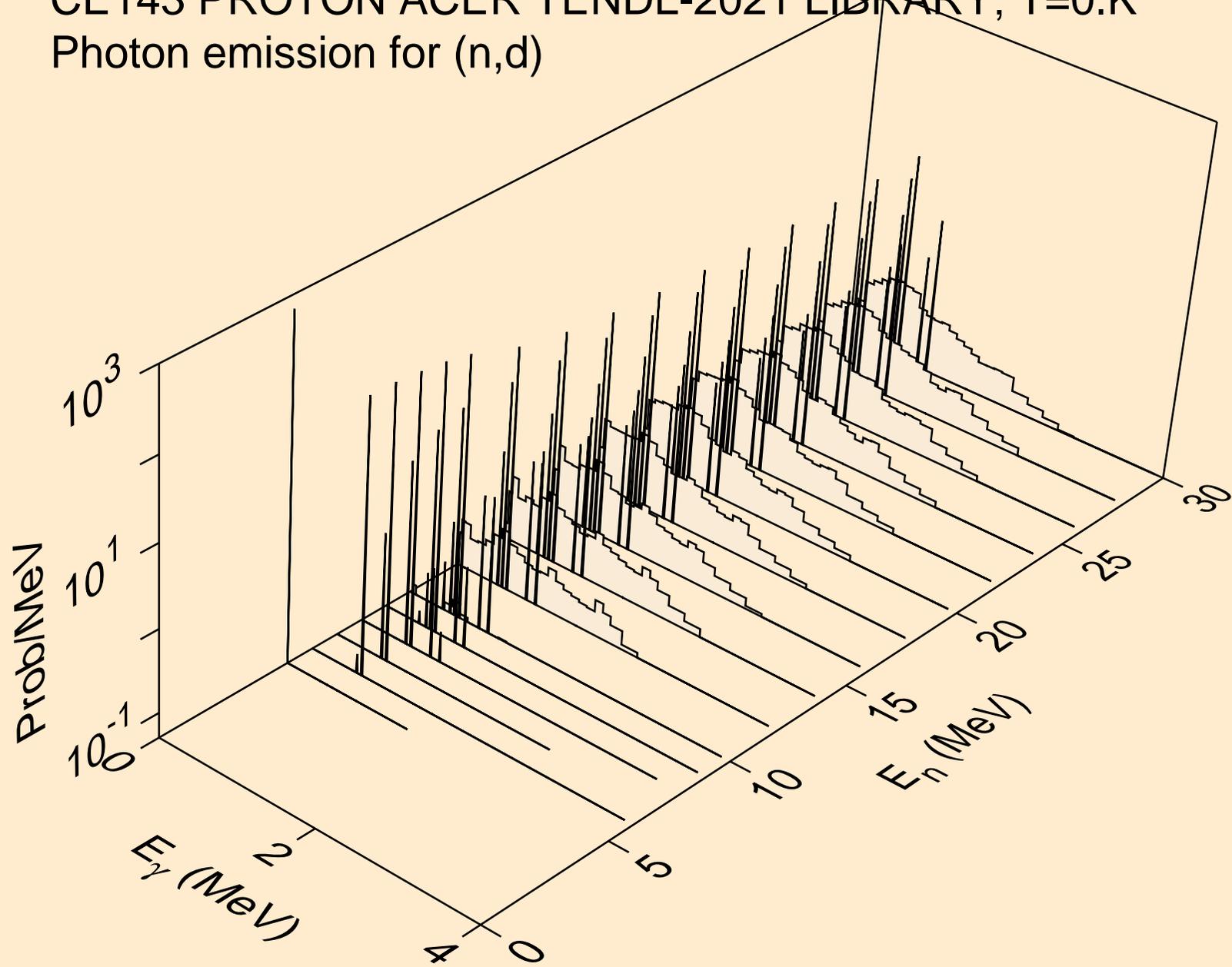
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Photon emission for (n,gma)



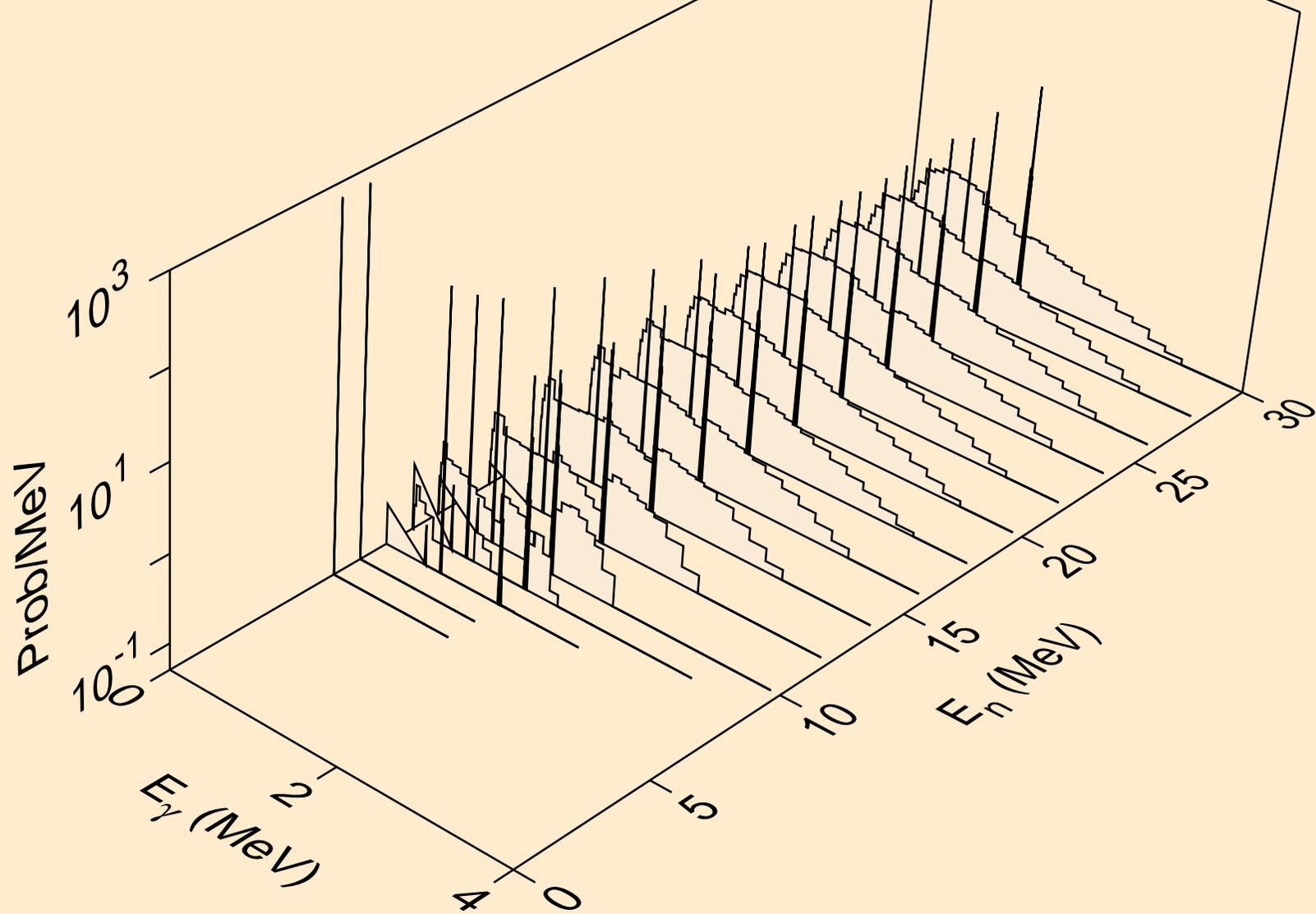
CE143 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic



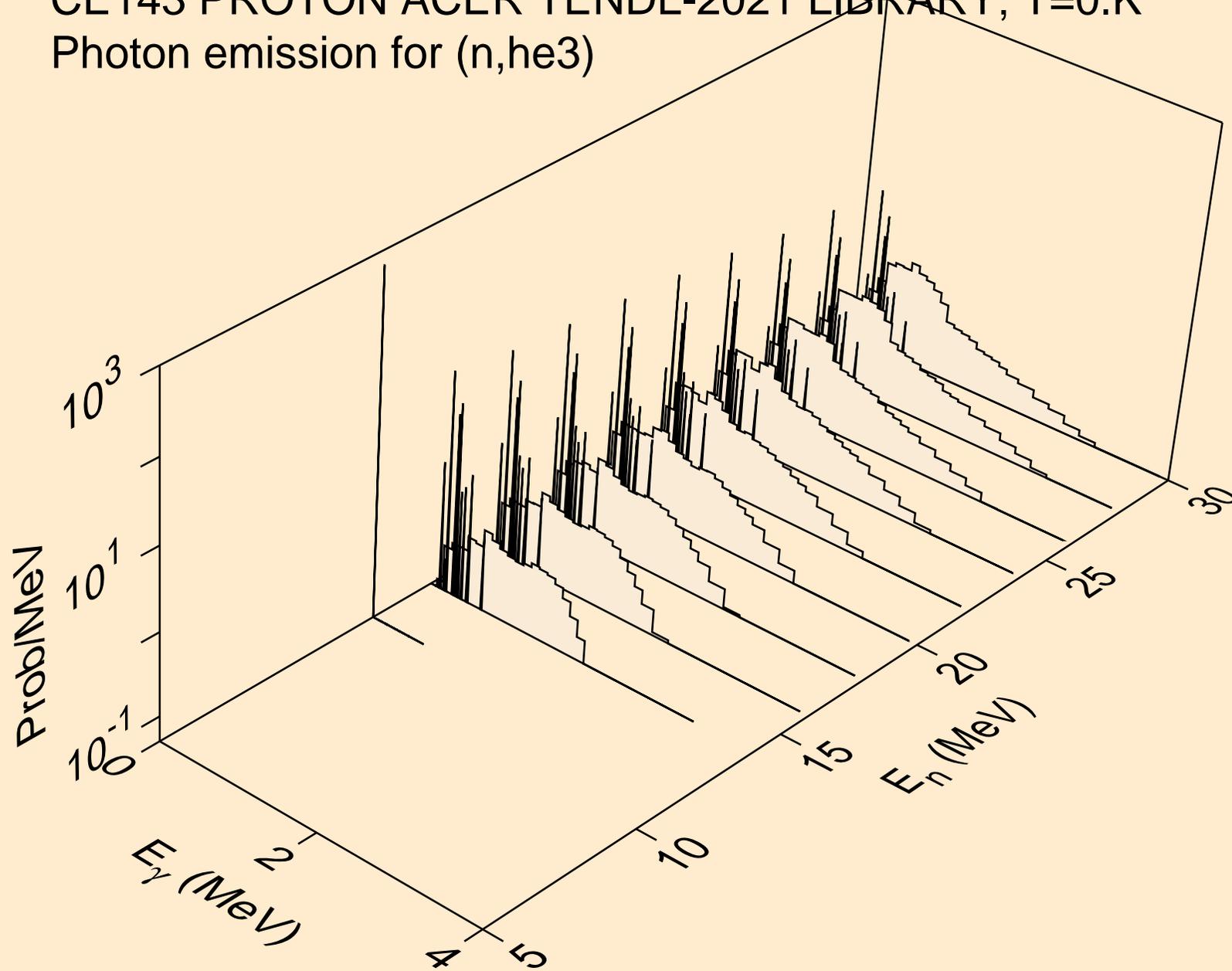
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Photon emission for (n,d)



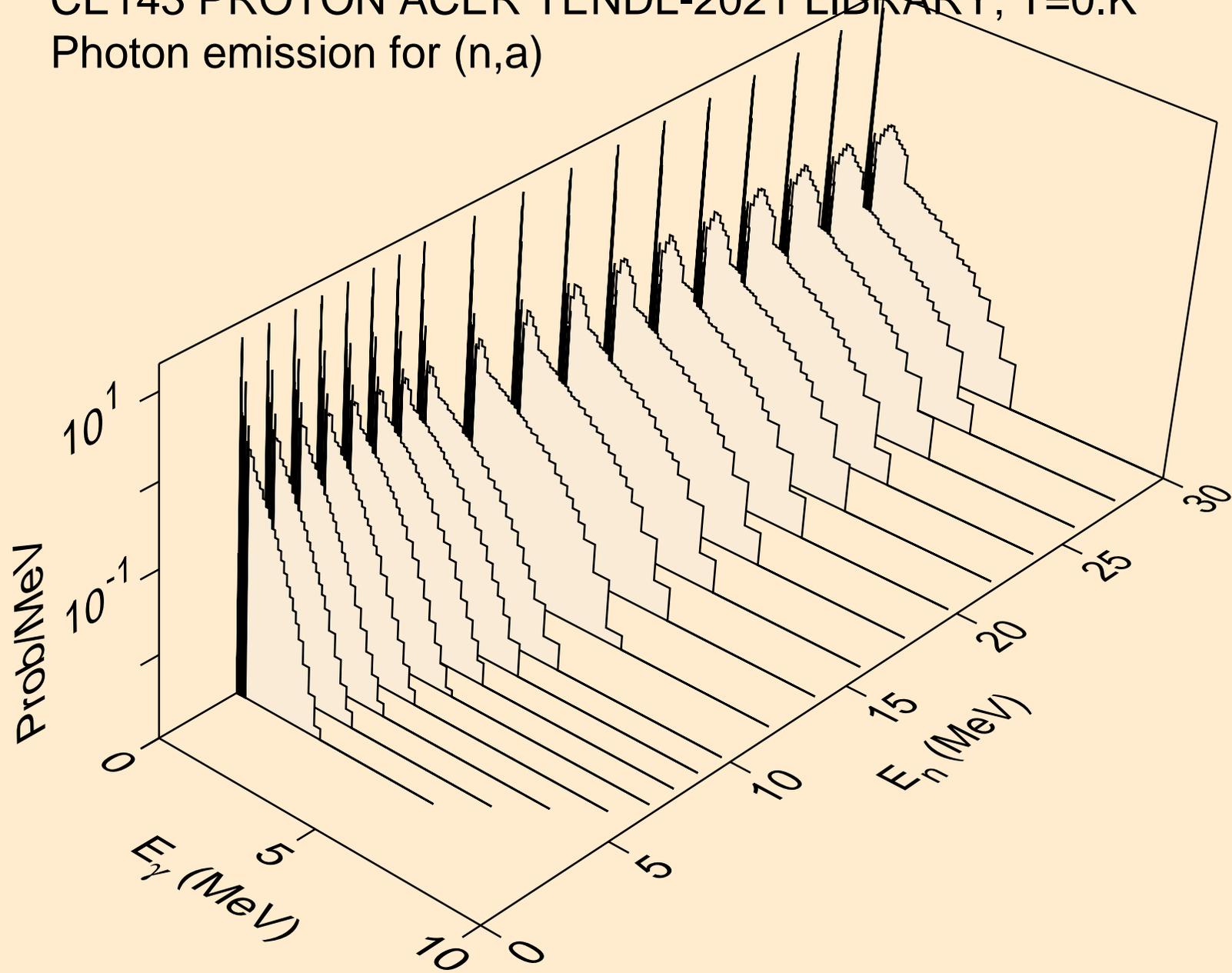
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Photon emission for (n,t)



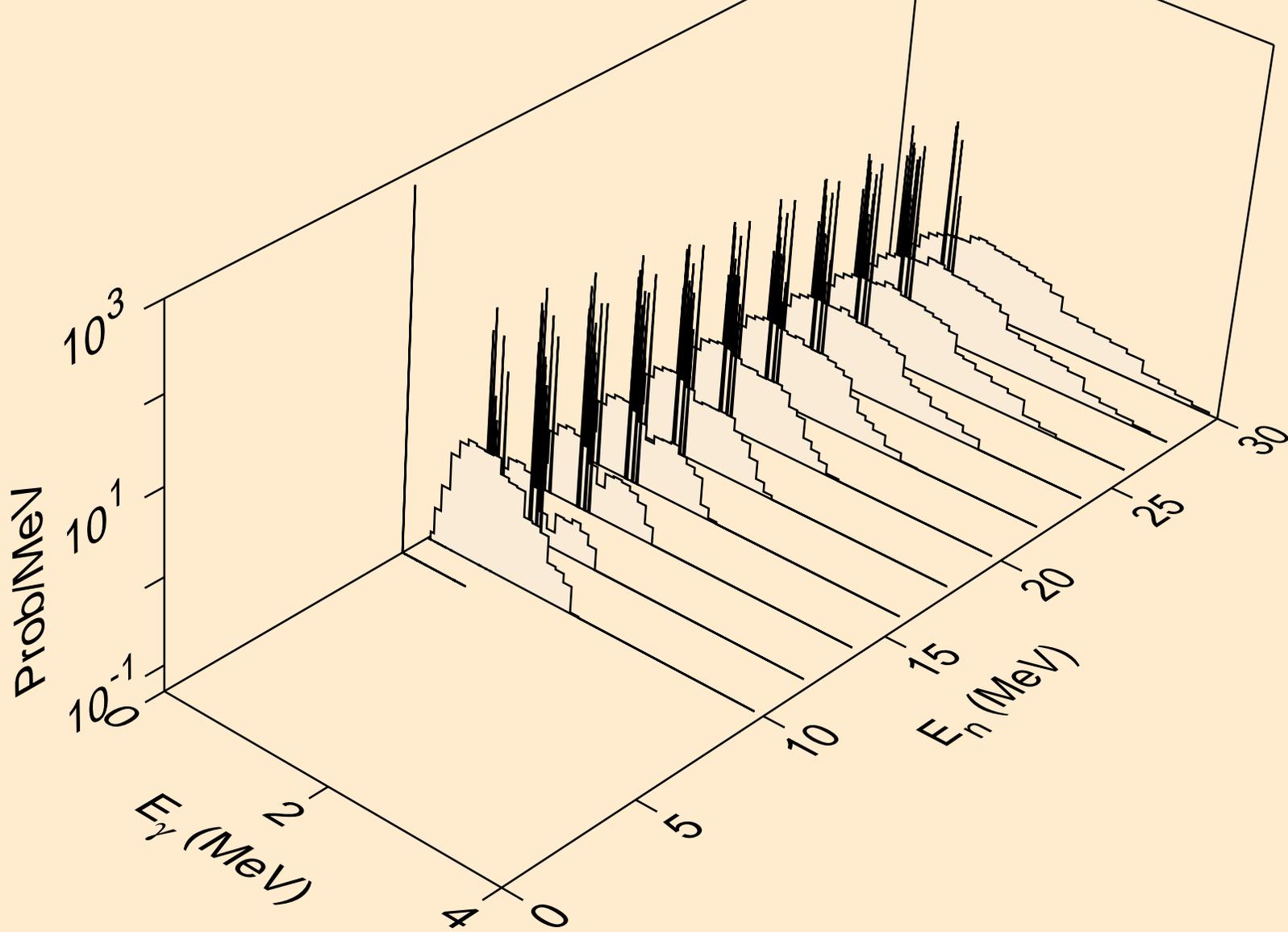
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Photon emission for (n,he3)



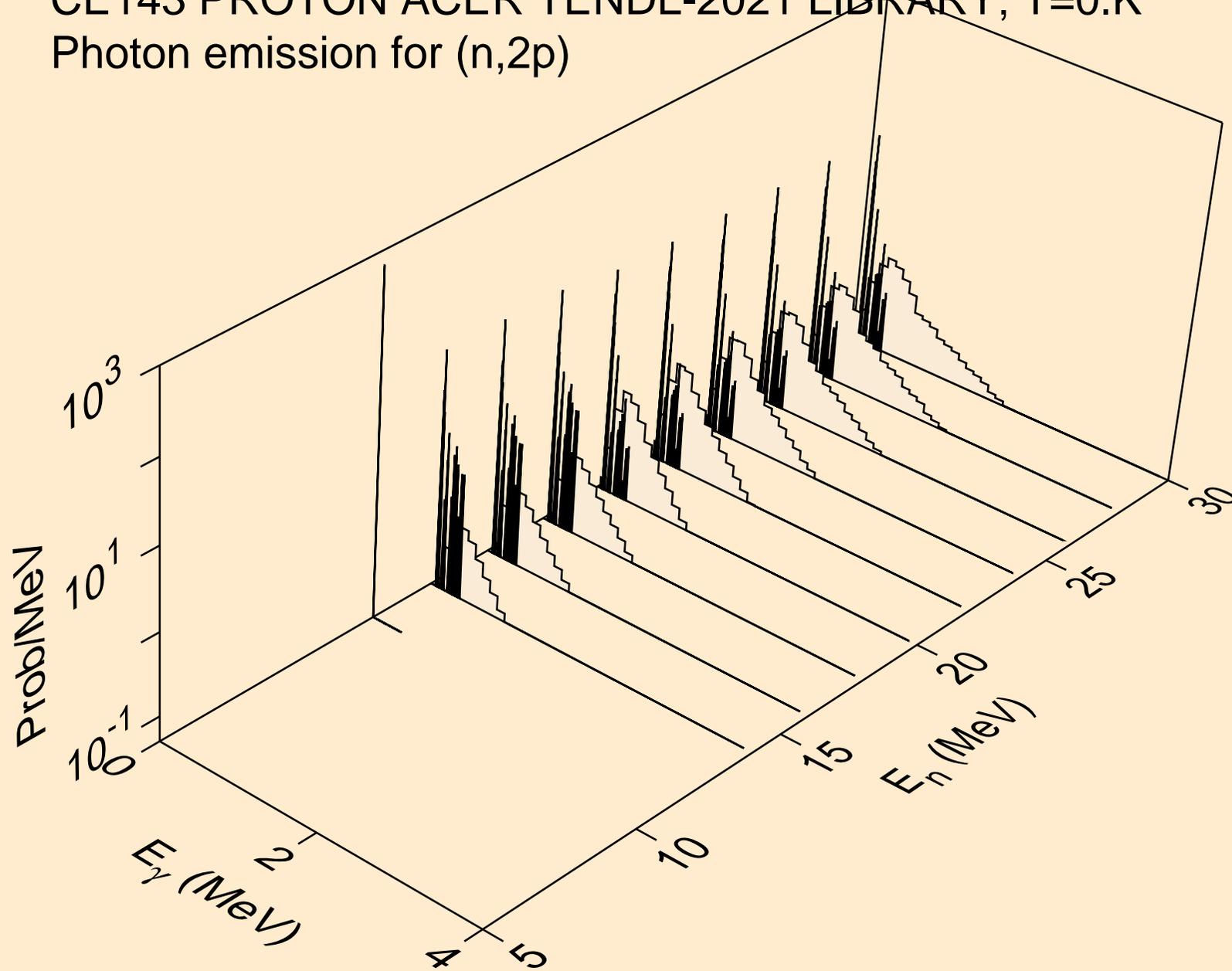
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Photon emission for (n,a)



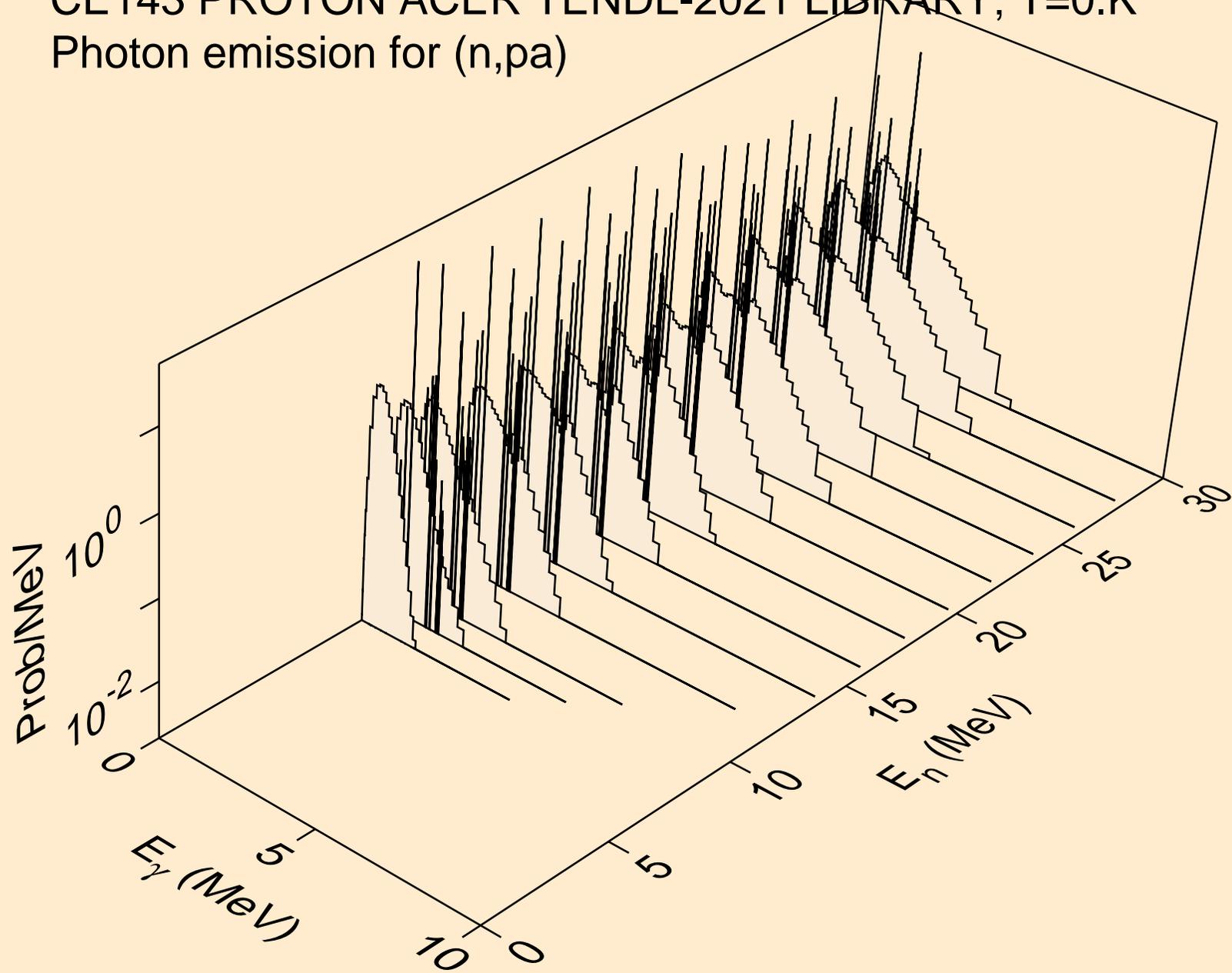
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Photon emission for (n,2a)



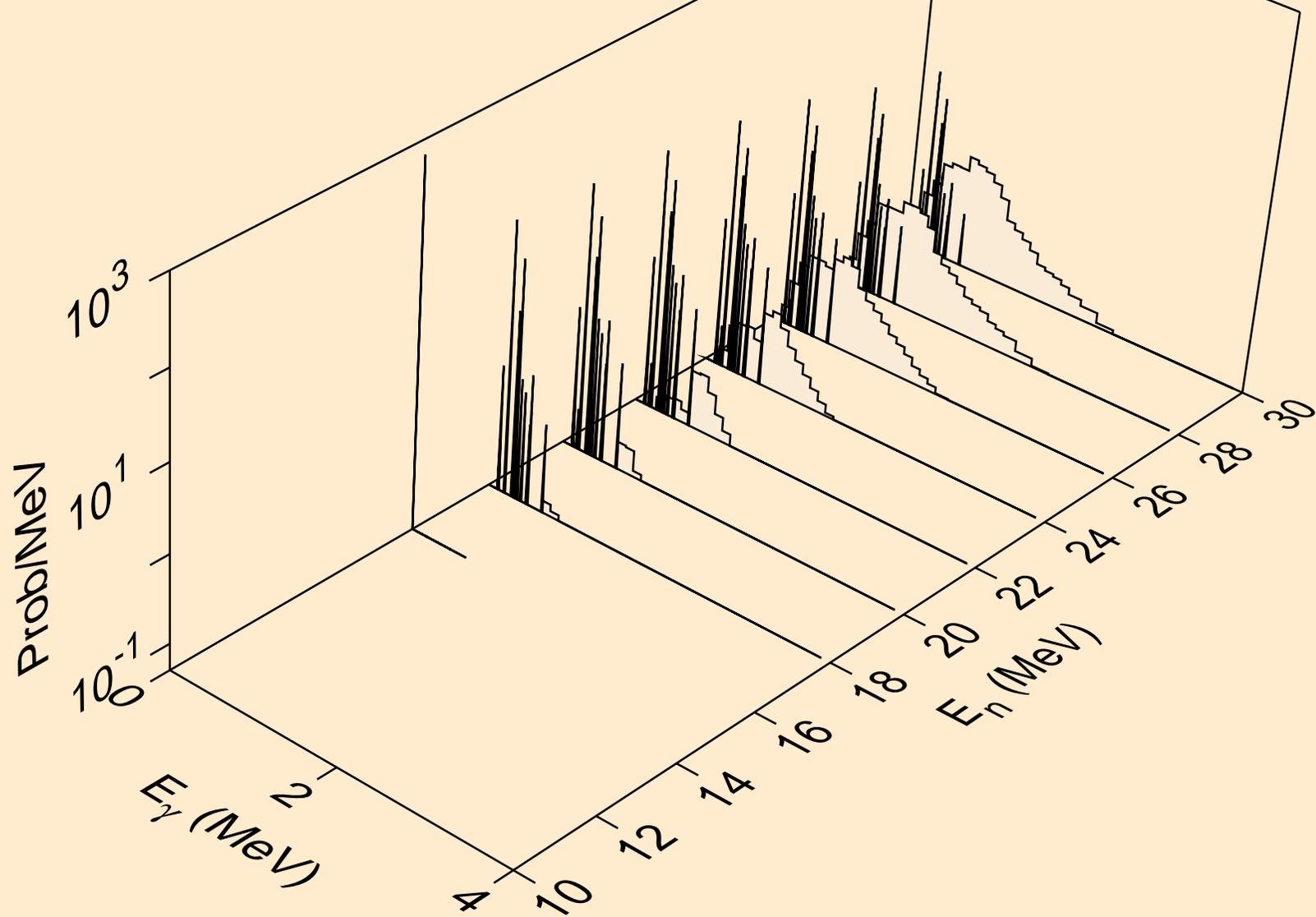
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Photon emission for (n,2p)



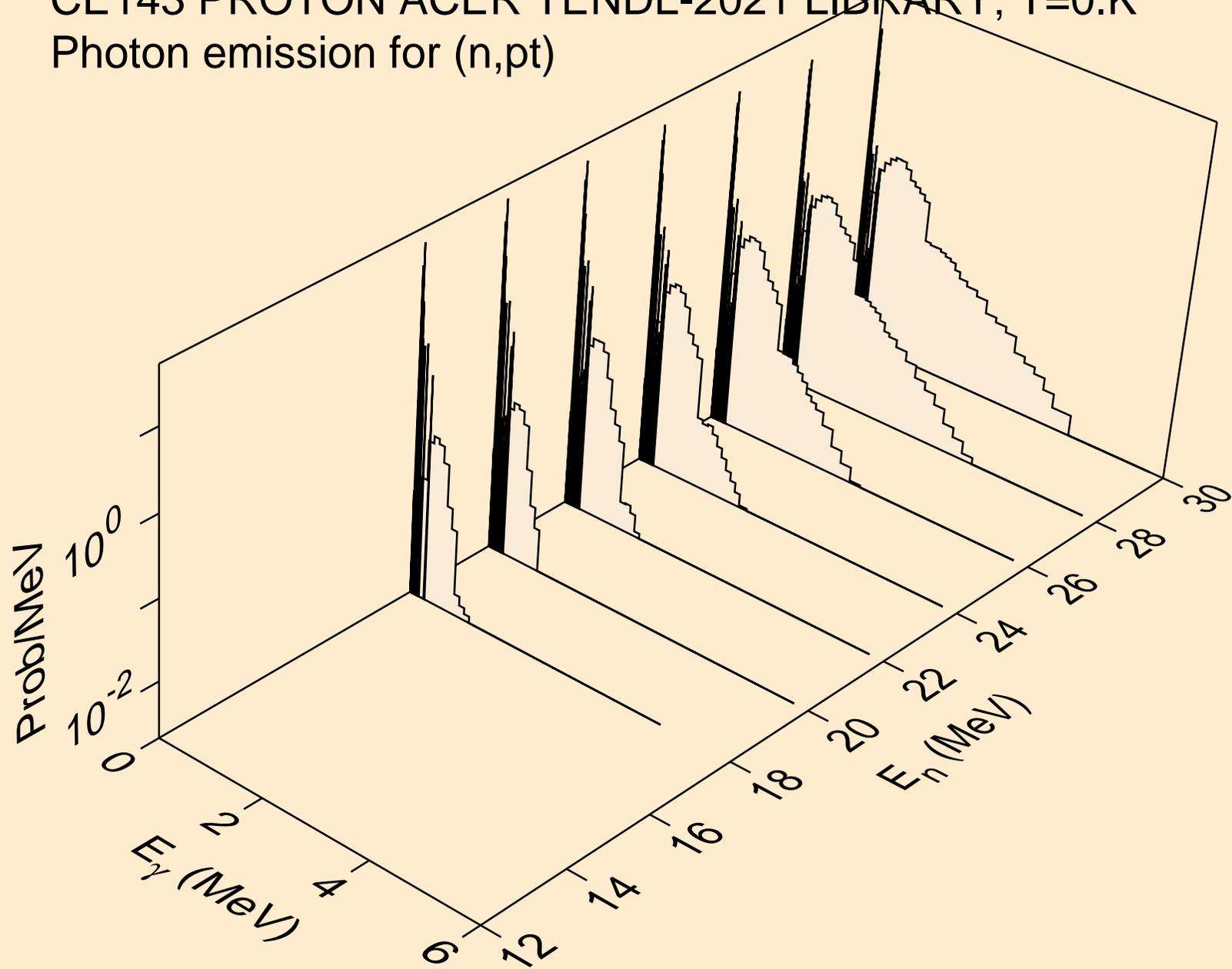
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Photon emission for (n,pa)



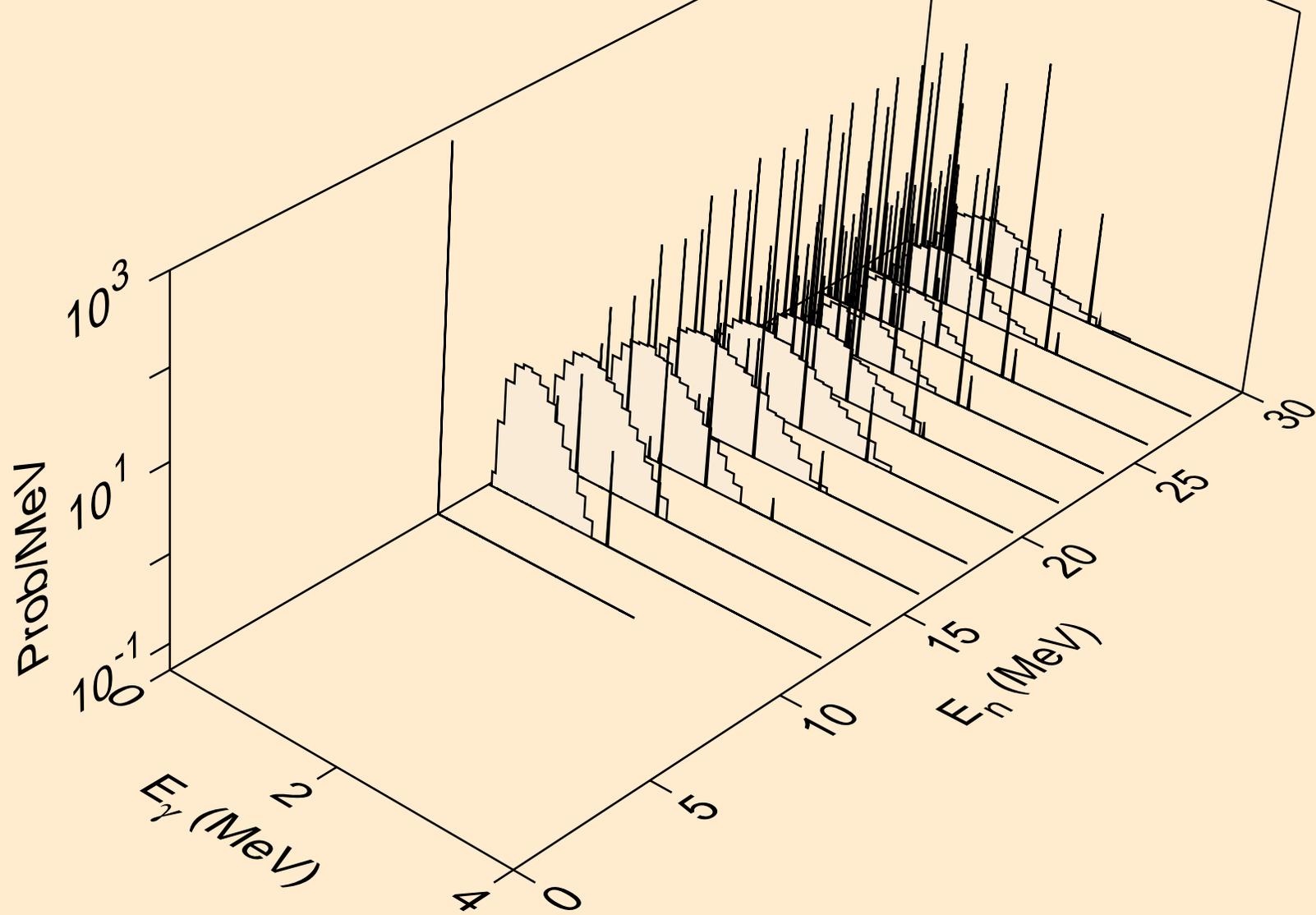
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Photon emission for (n,pd)



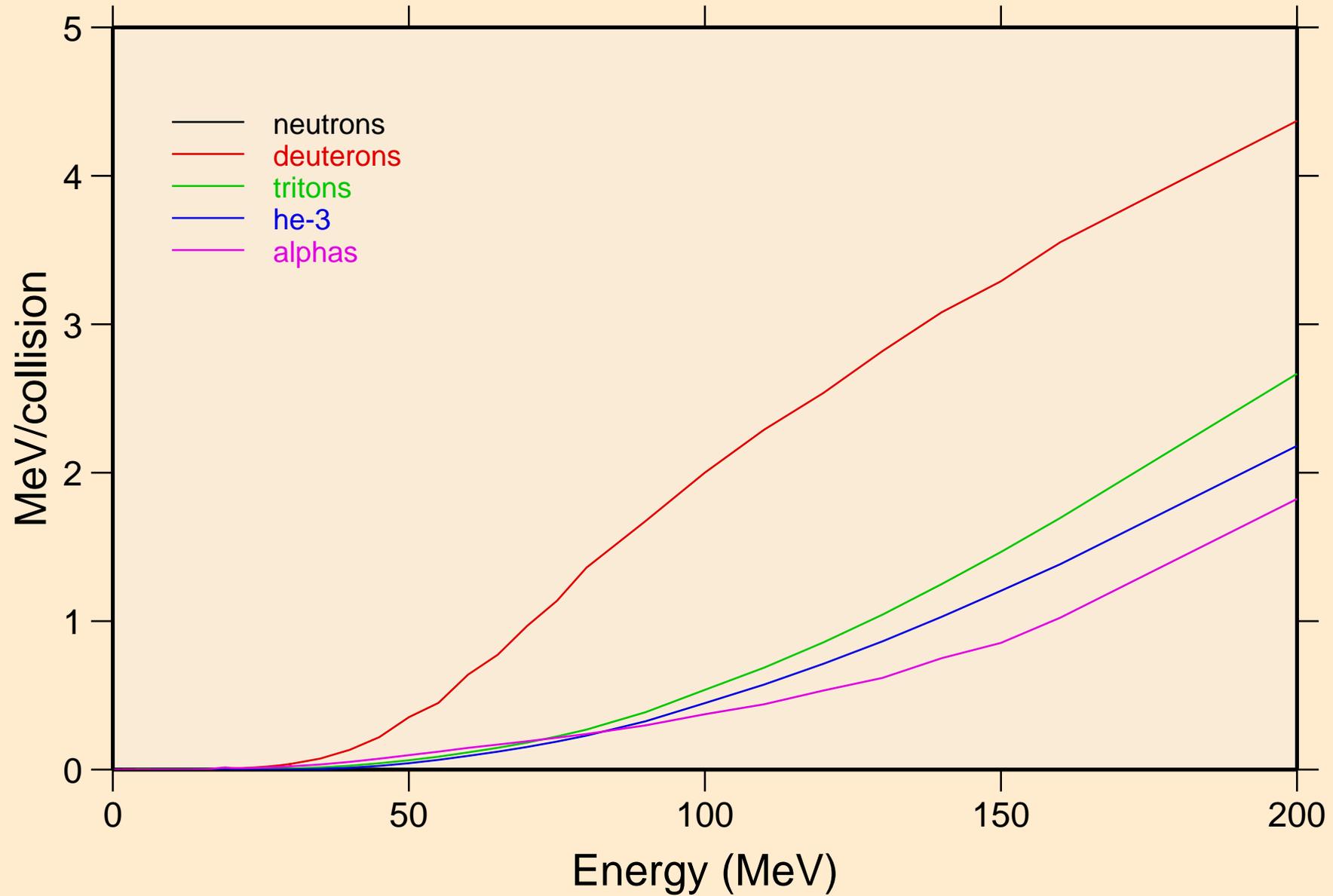
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Photon emission for (n,pt)



CE143 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,da)

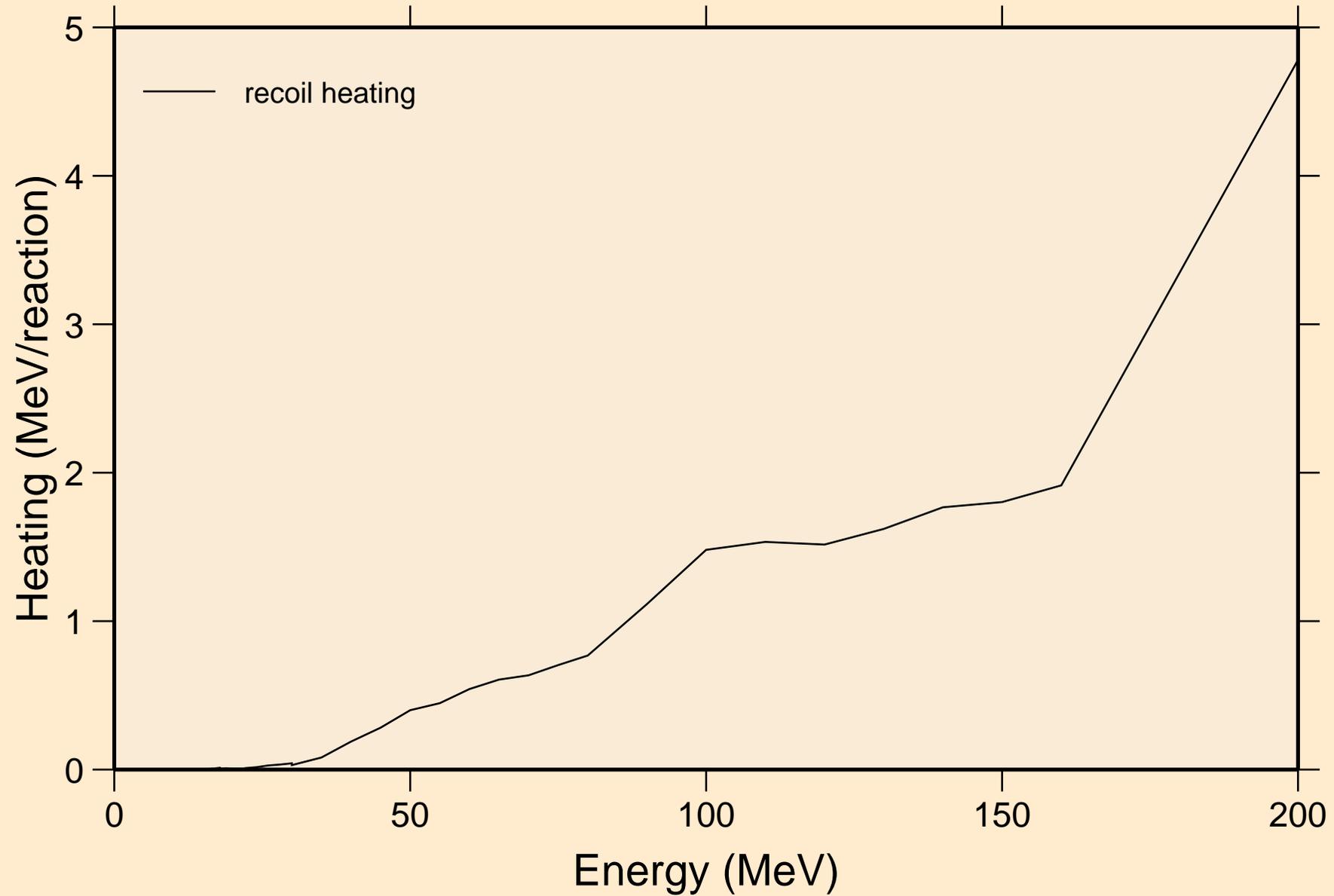


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Particle heating contributions

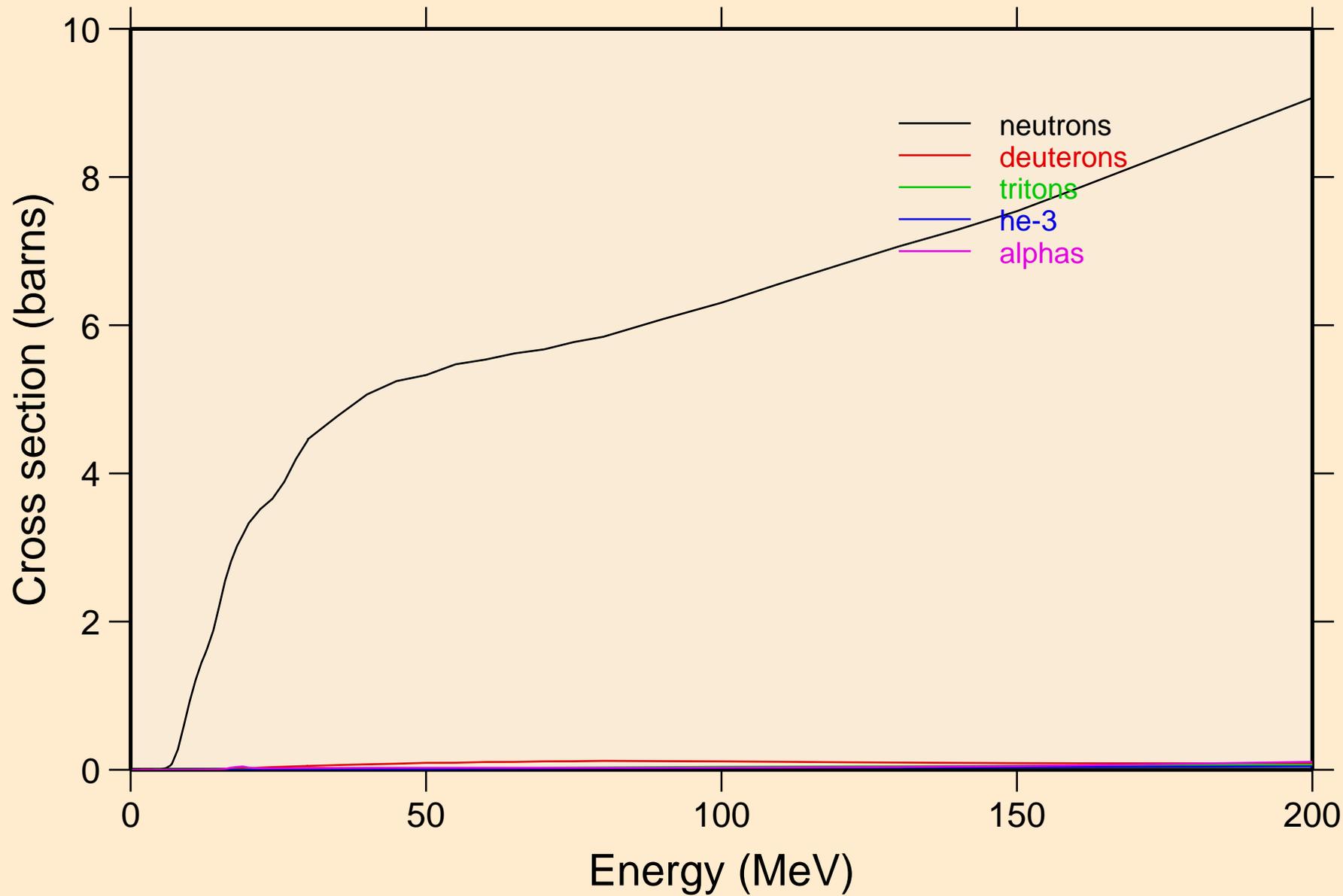


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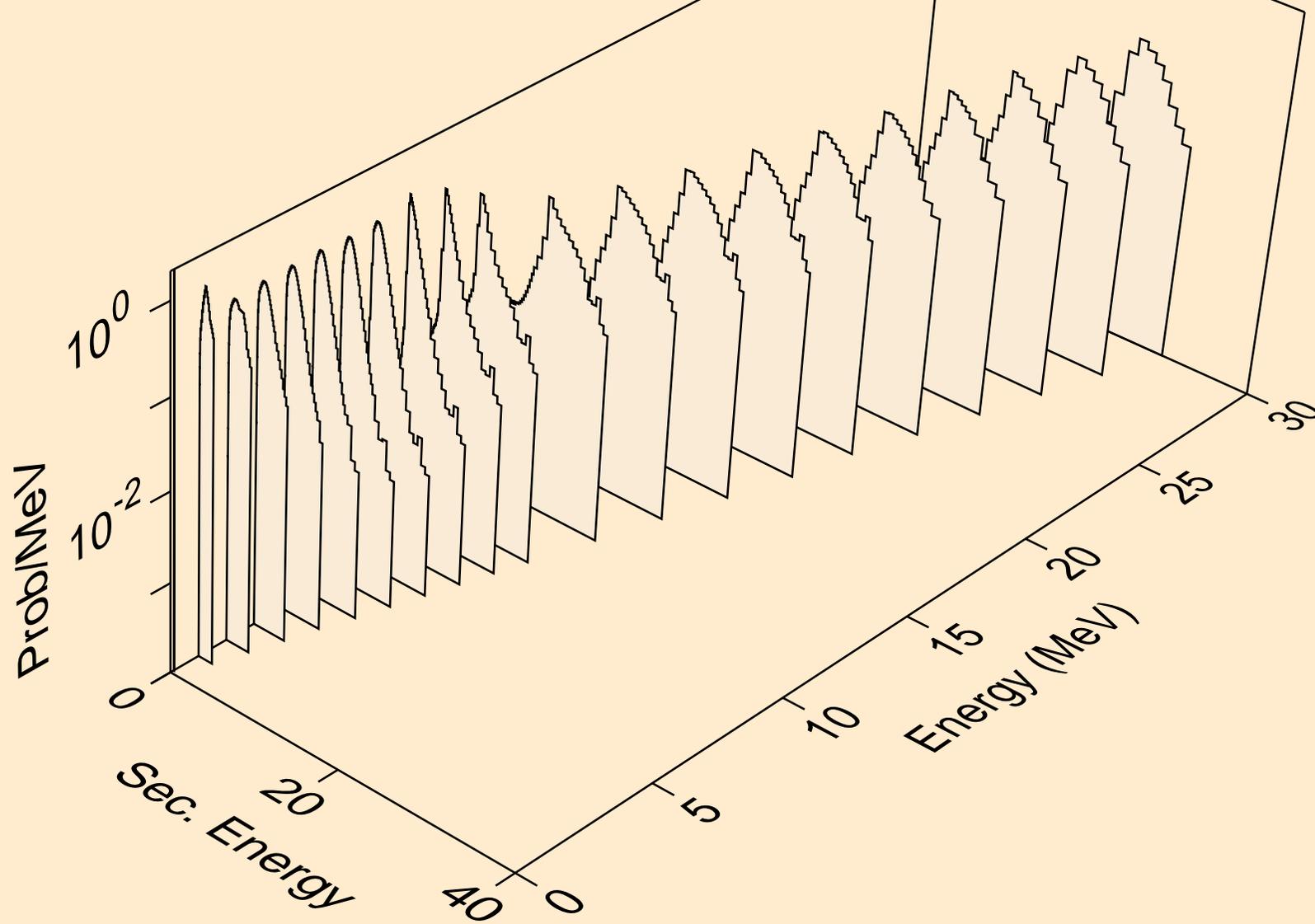
## Recoil Heating



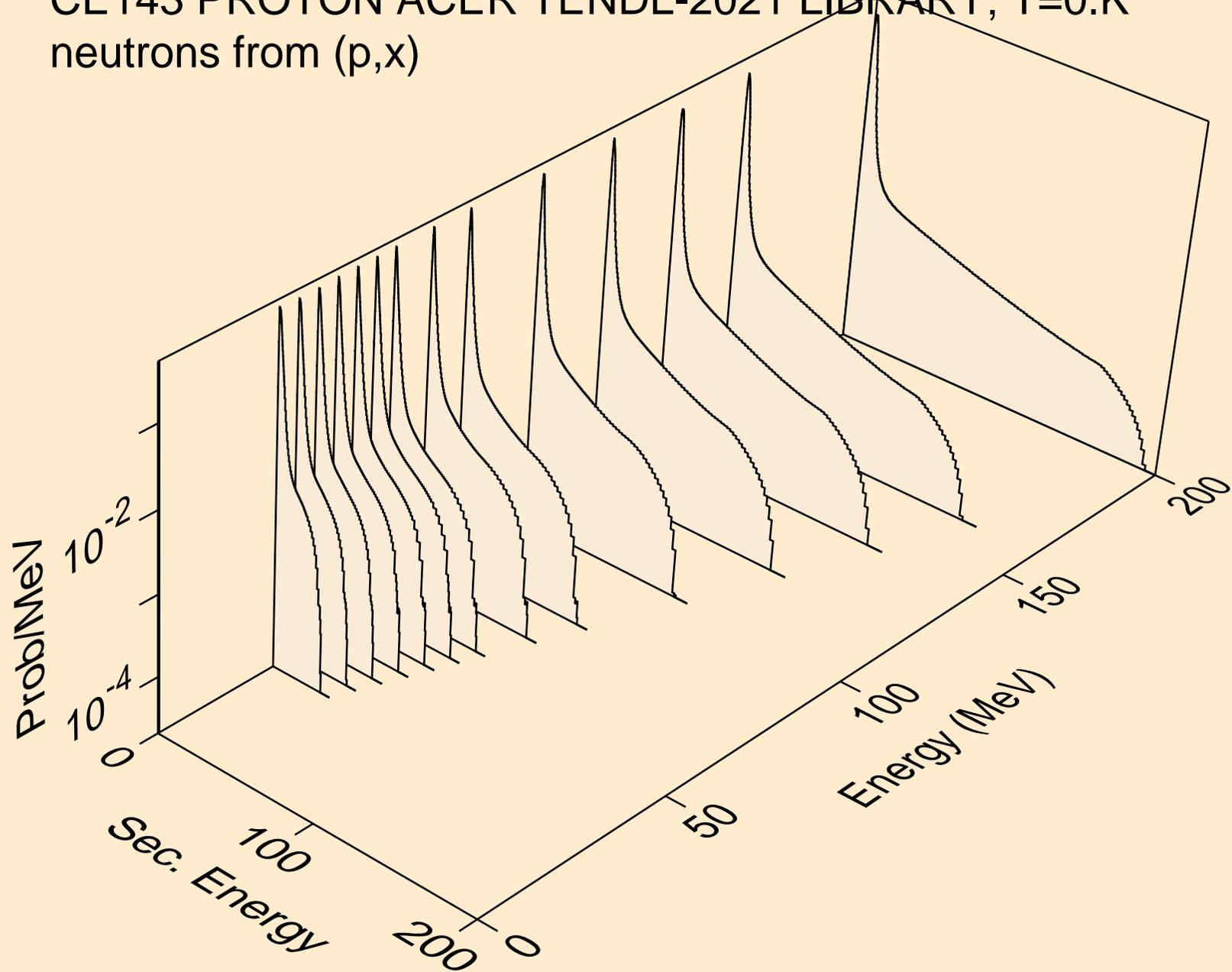
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Particle production cross sections



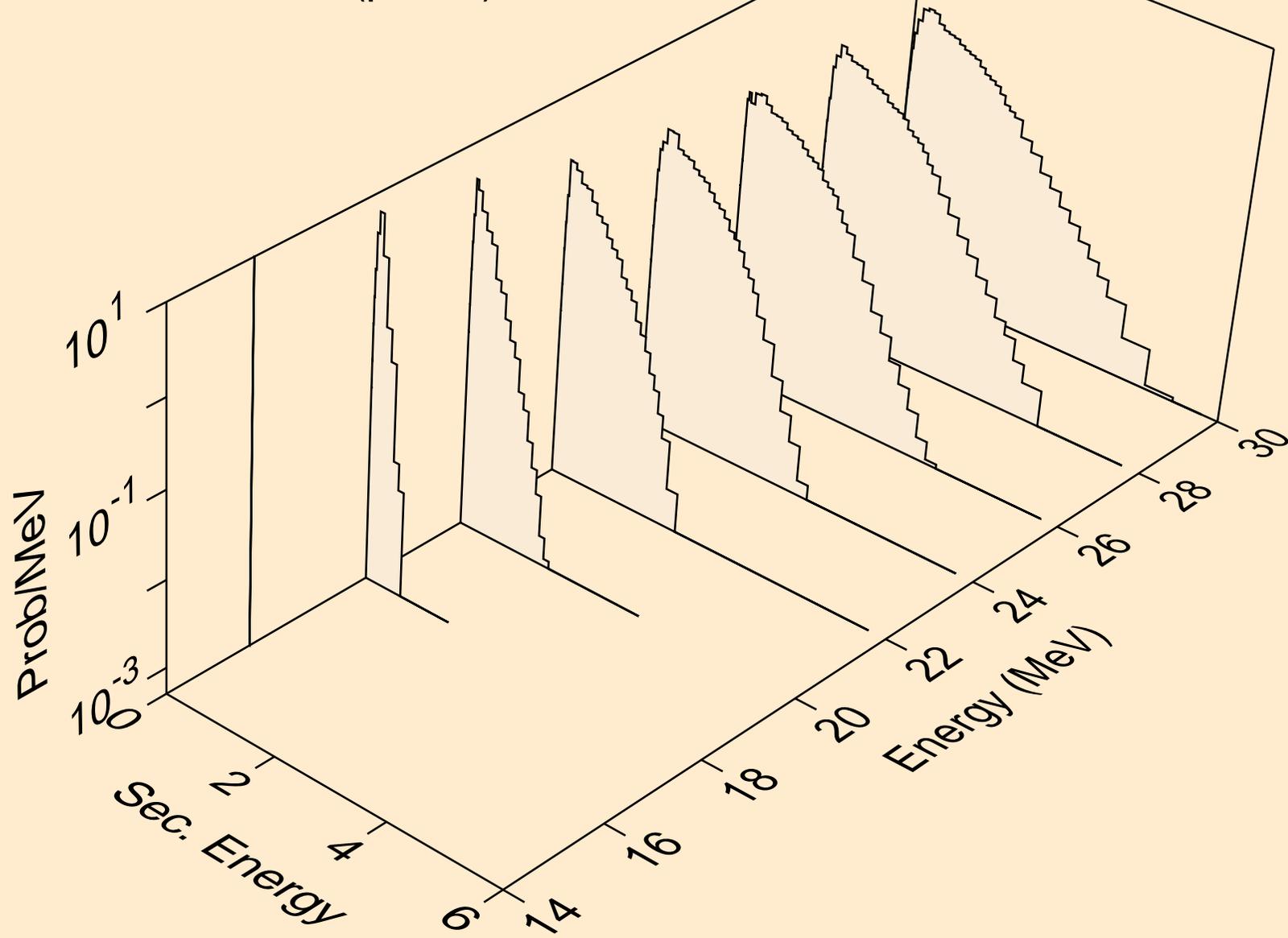
CE143 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n)



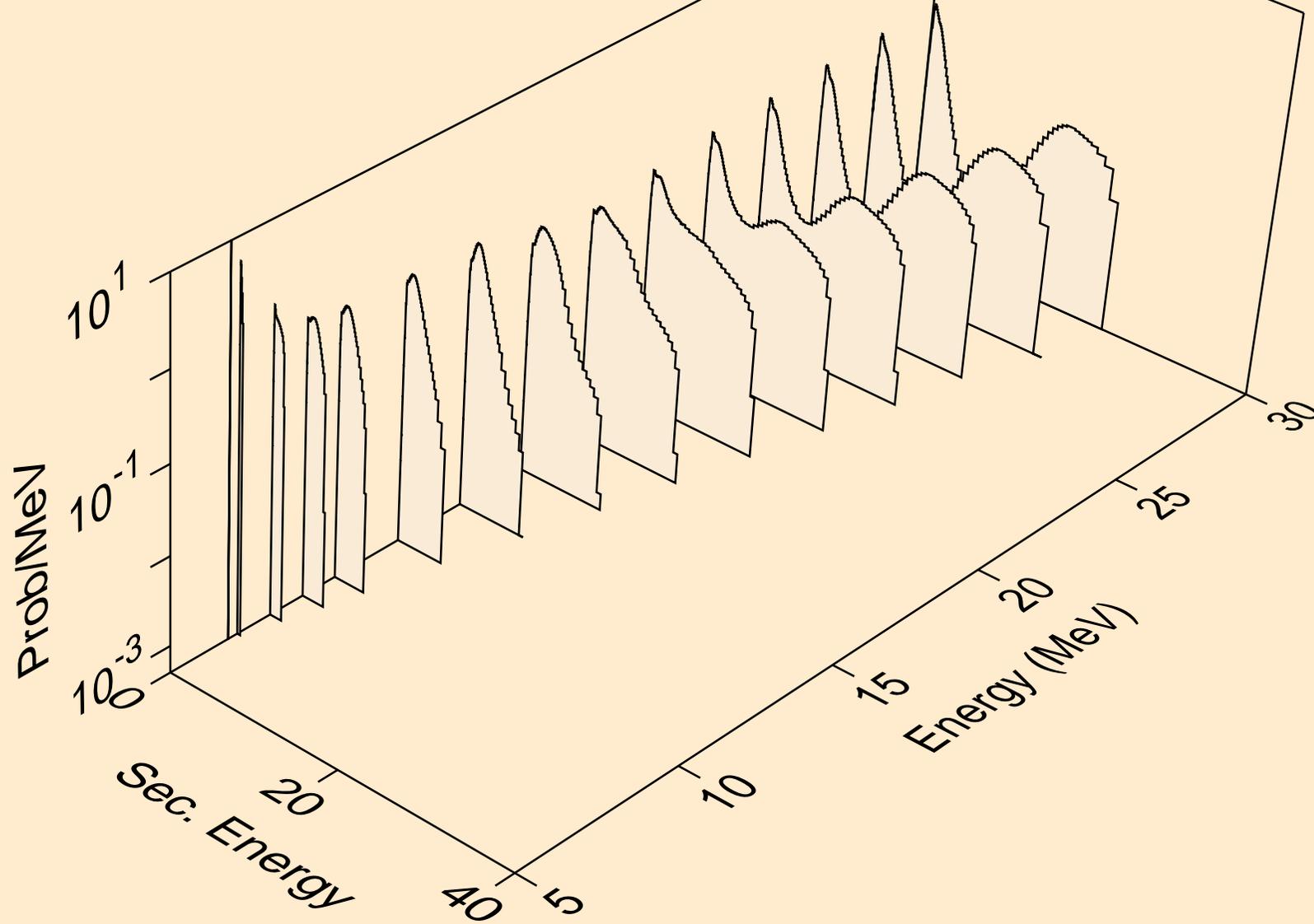
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neutrons from (p,x)



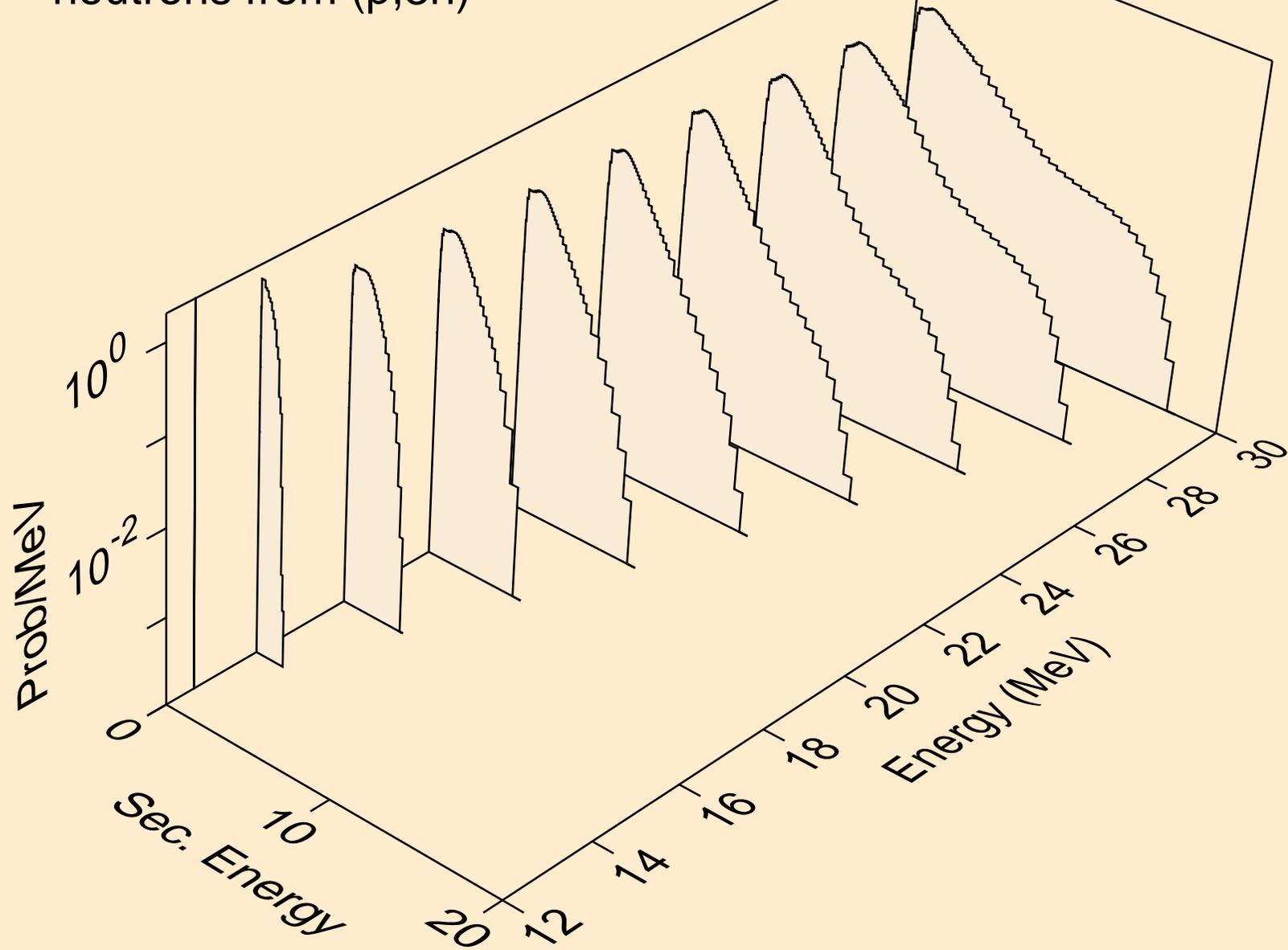
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neutrons from (p,2nd)



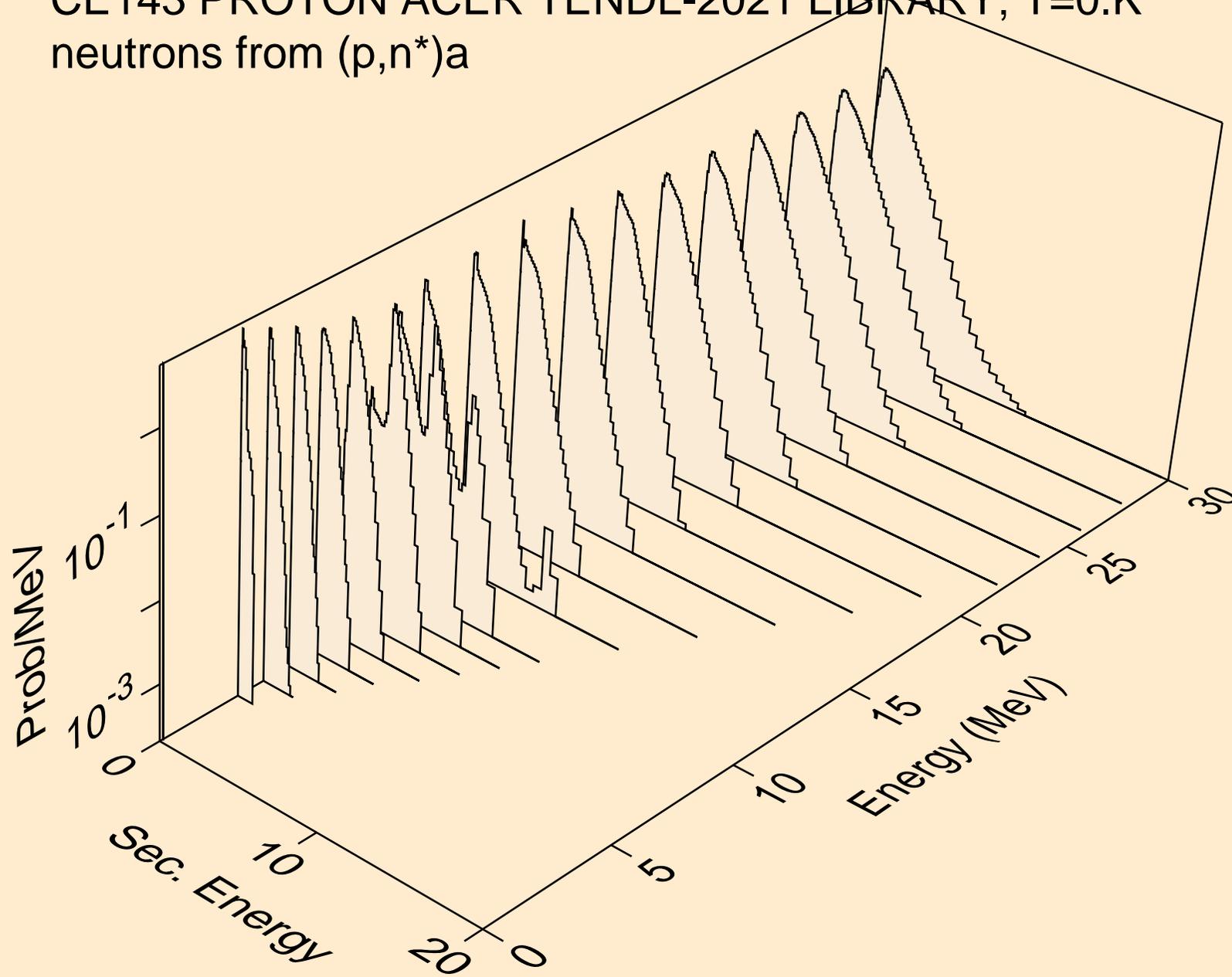
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neutrons from (p,2n)



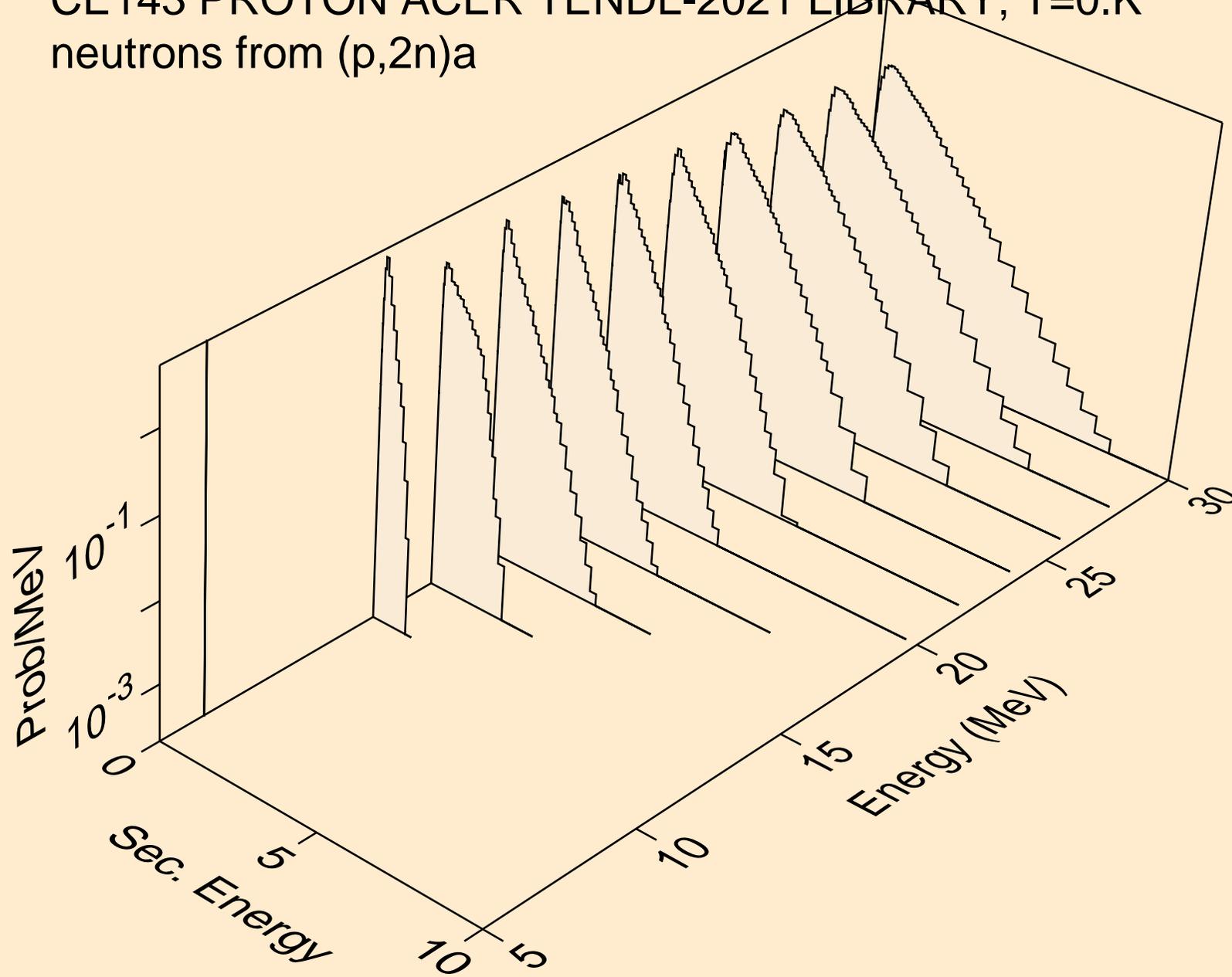
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neutrons from (p,3n)



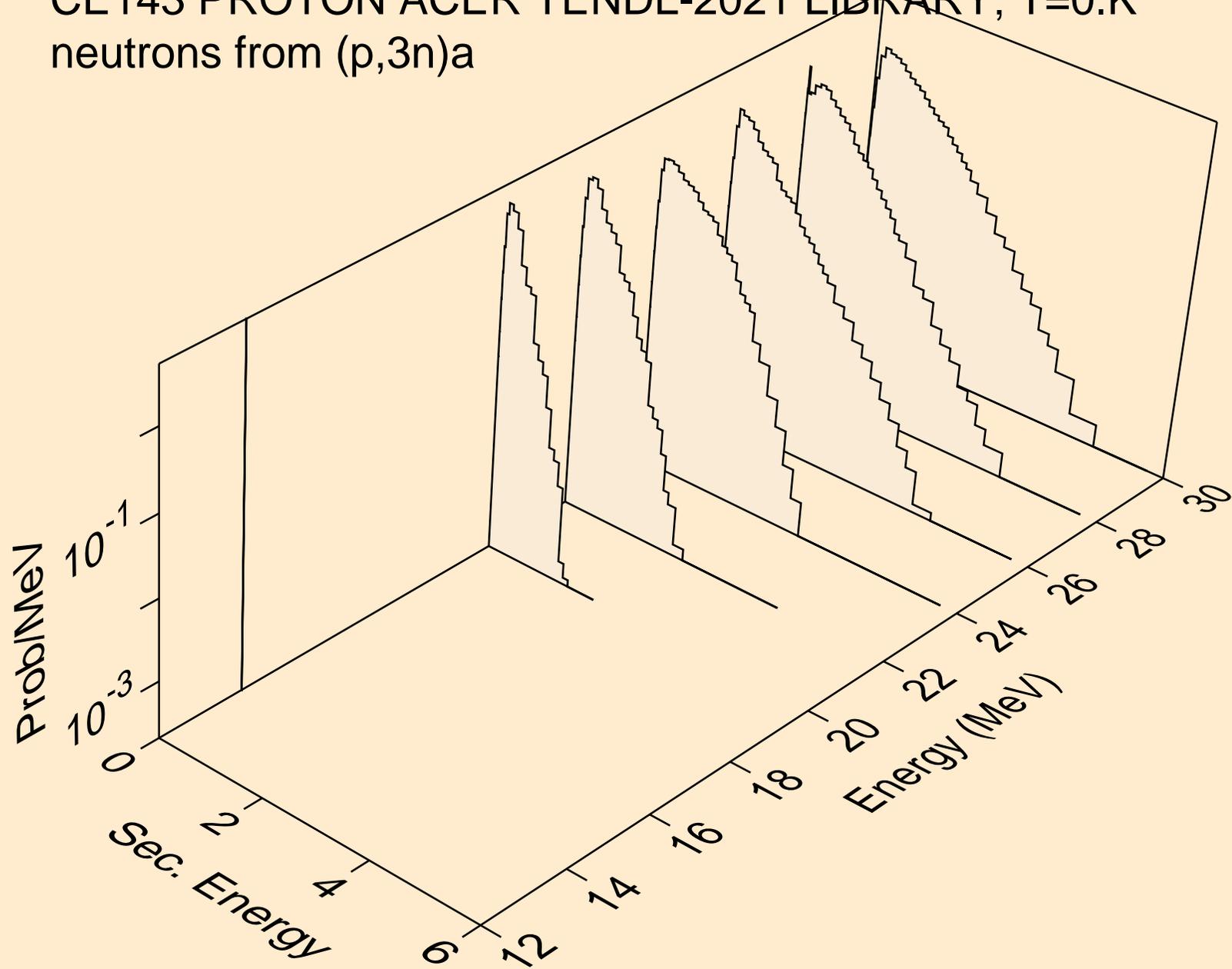
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neutrons from (p,n\*)a



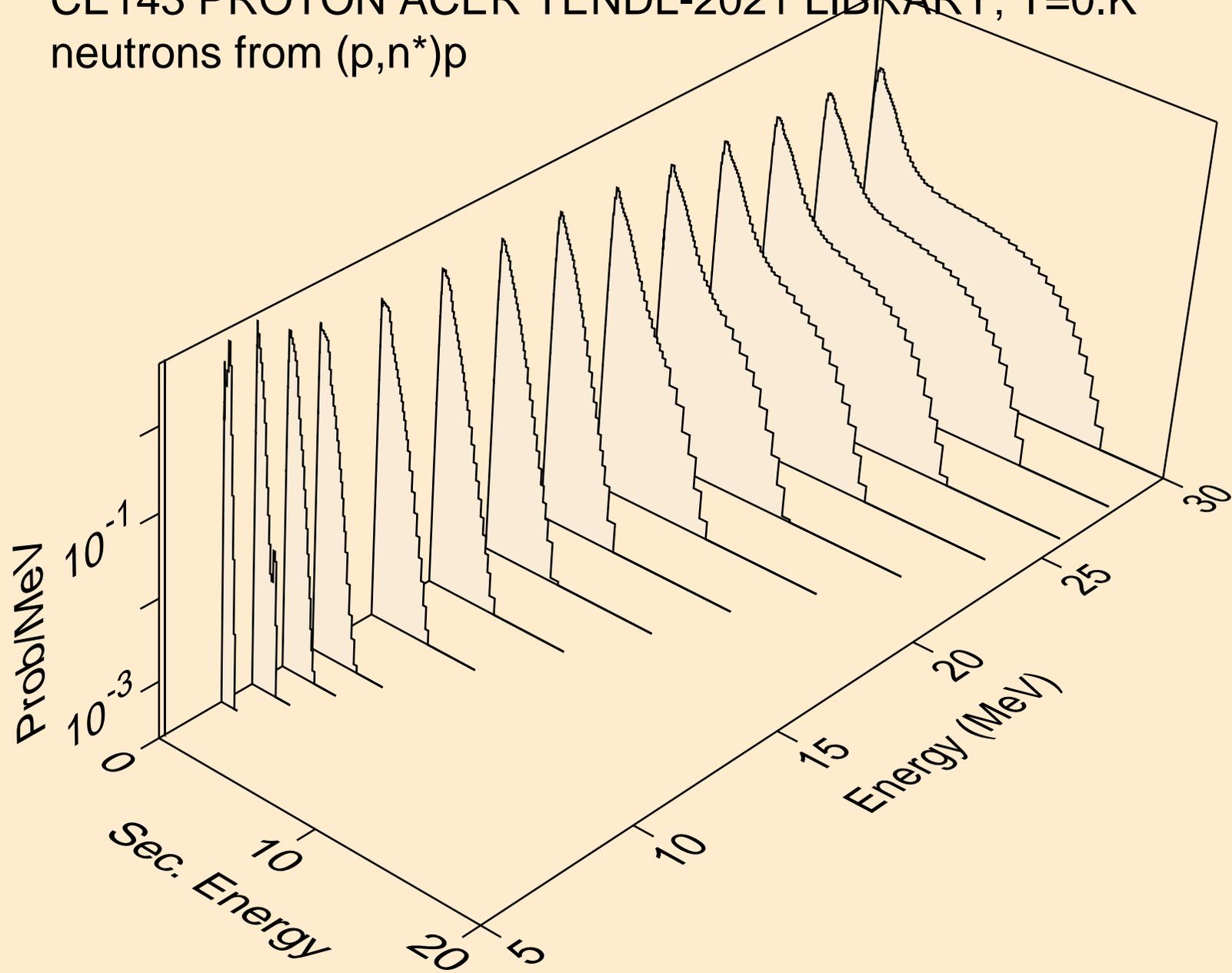
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neutrons from (p,2n)a



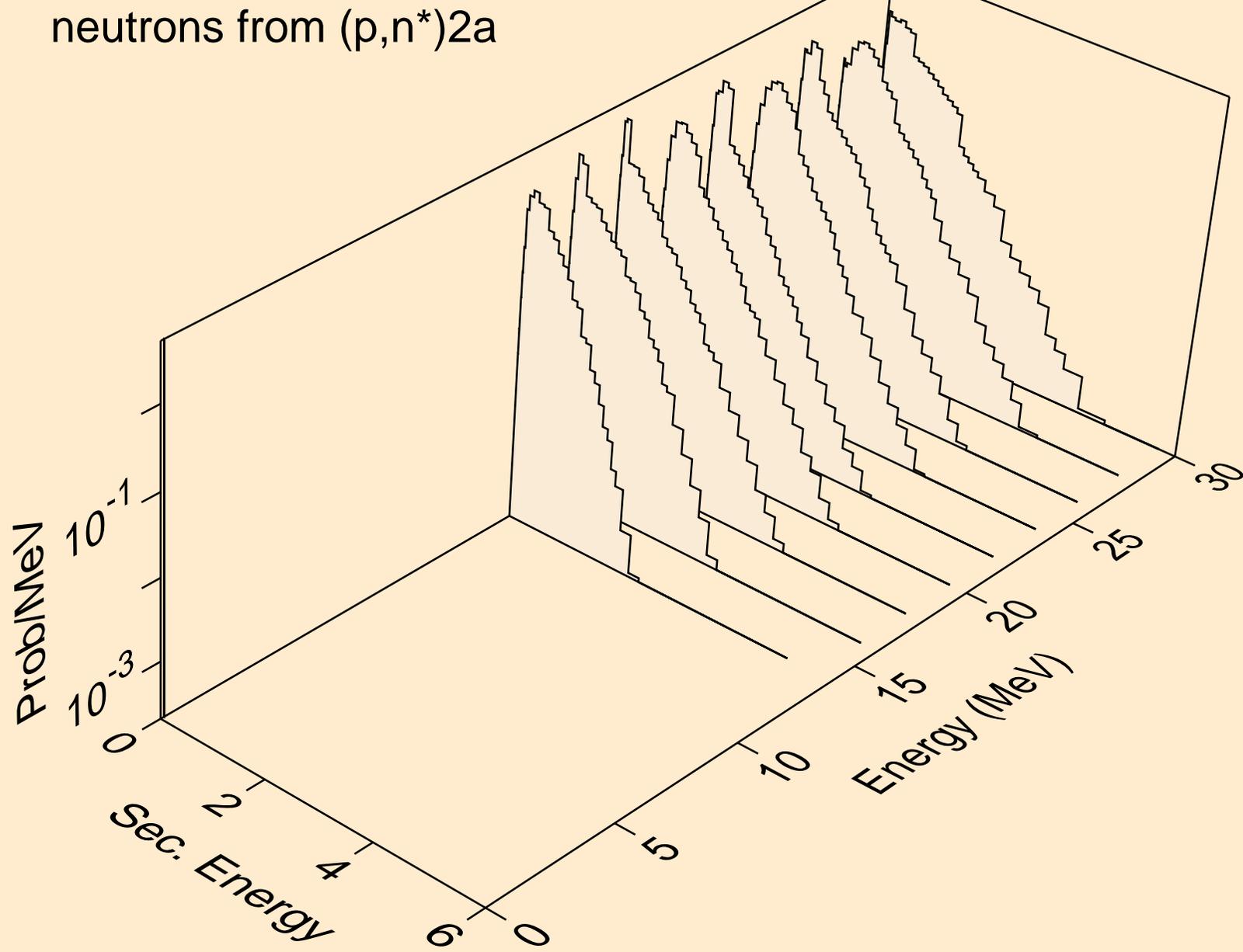
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neutrons from (p,3n)a



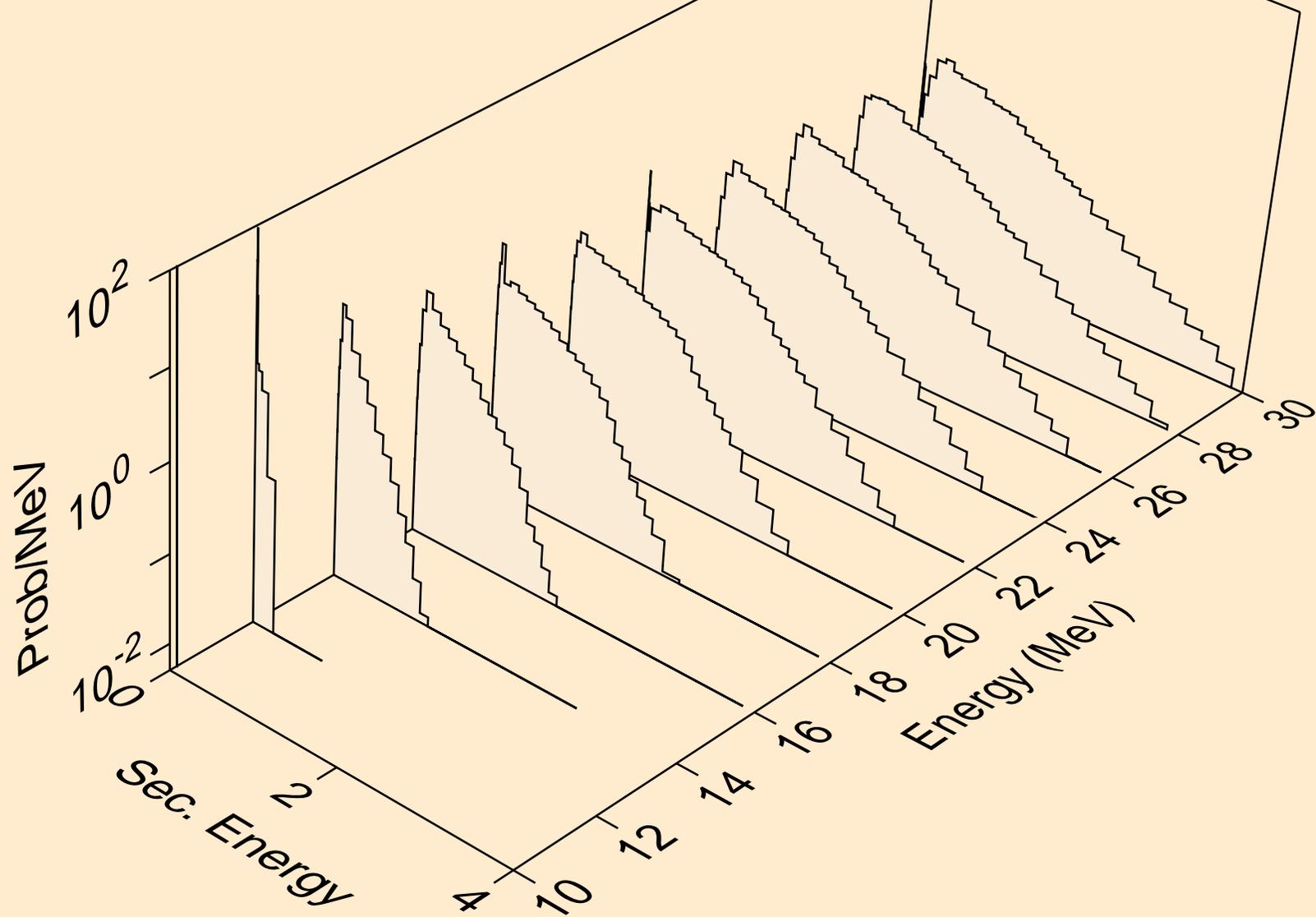
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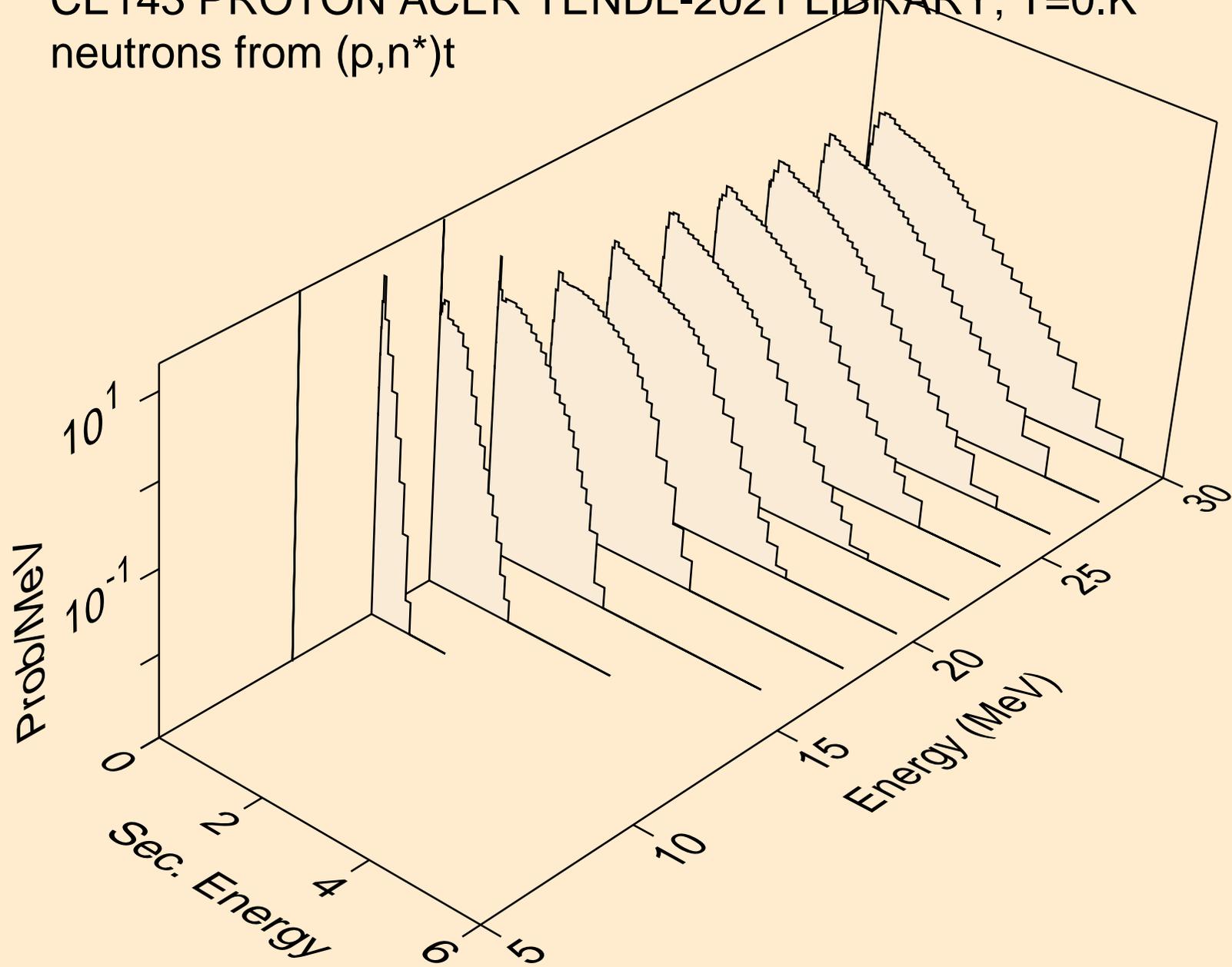
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neutrons from (p,n\*)2a



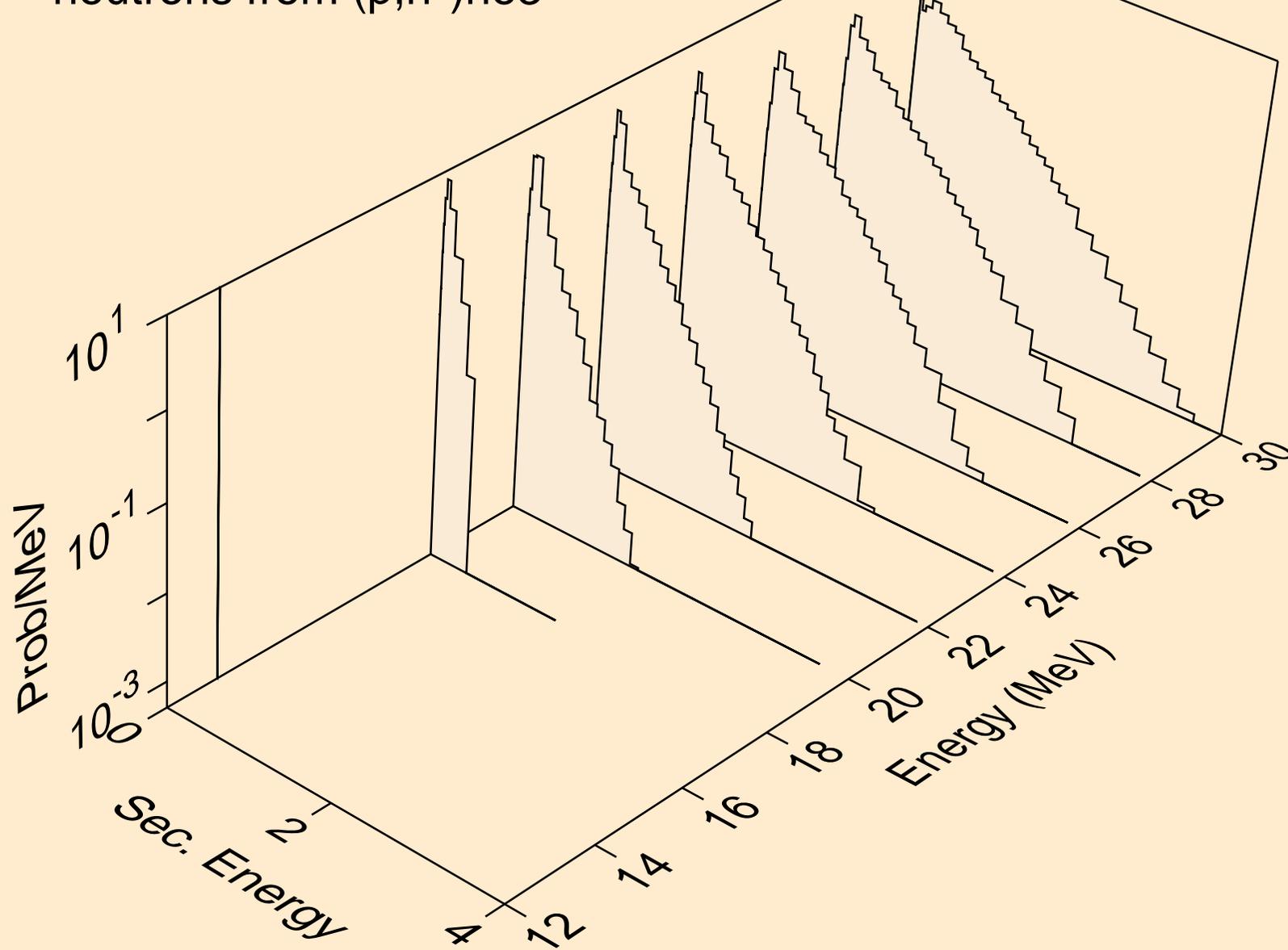
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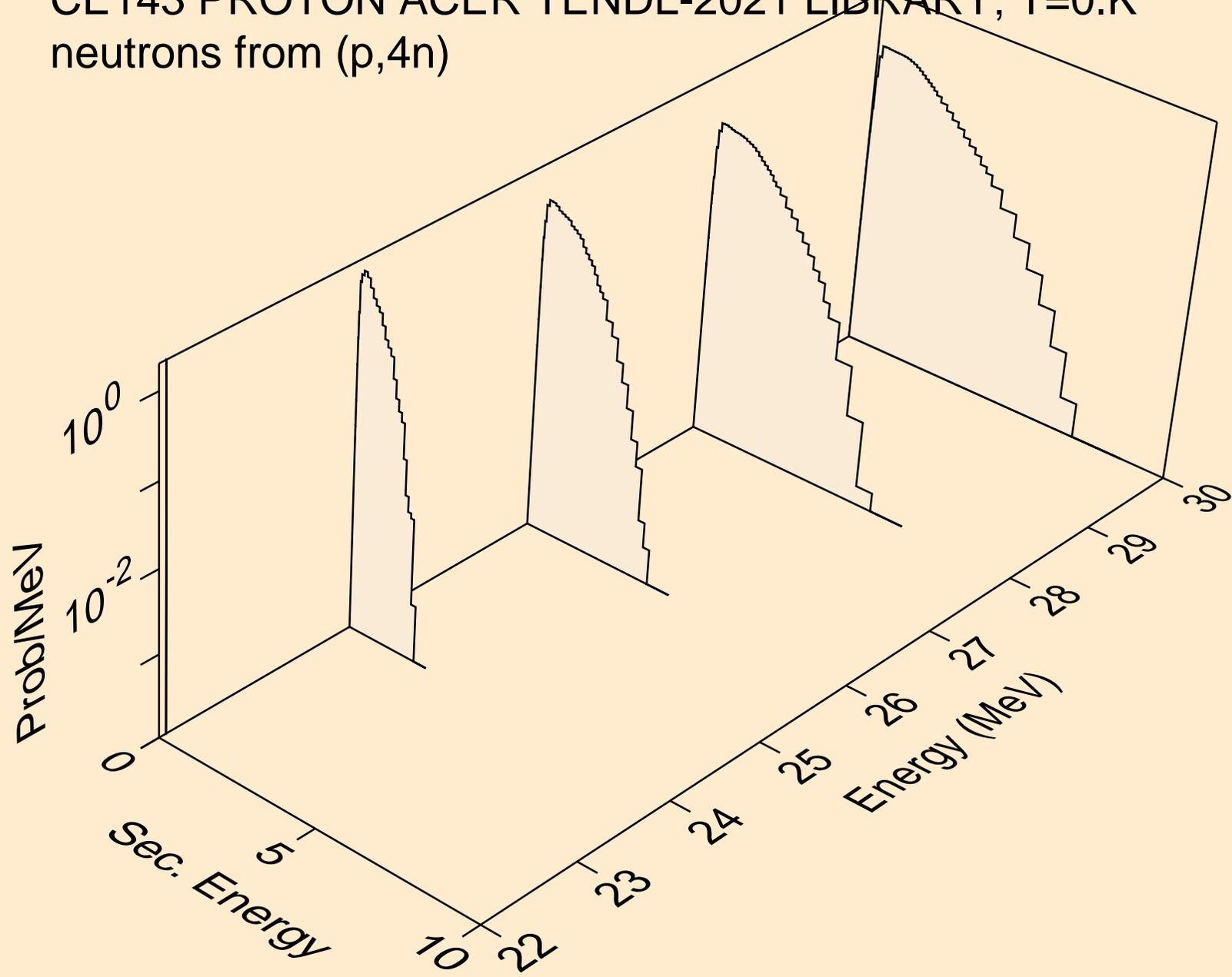
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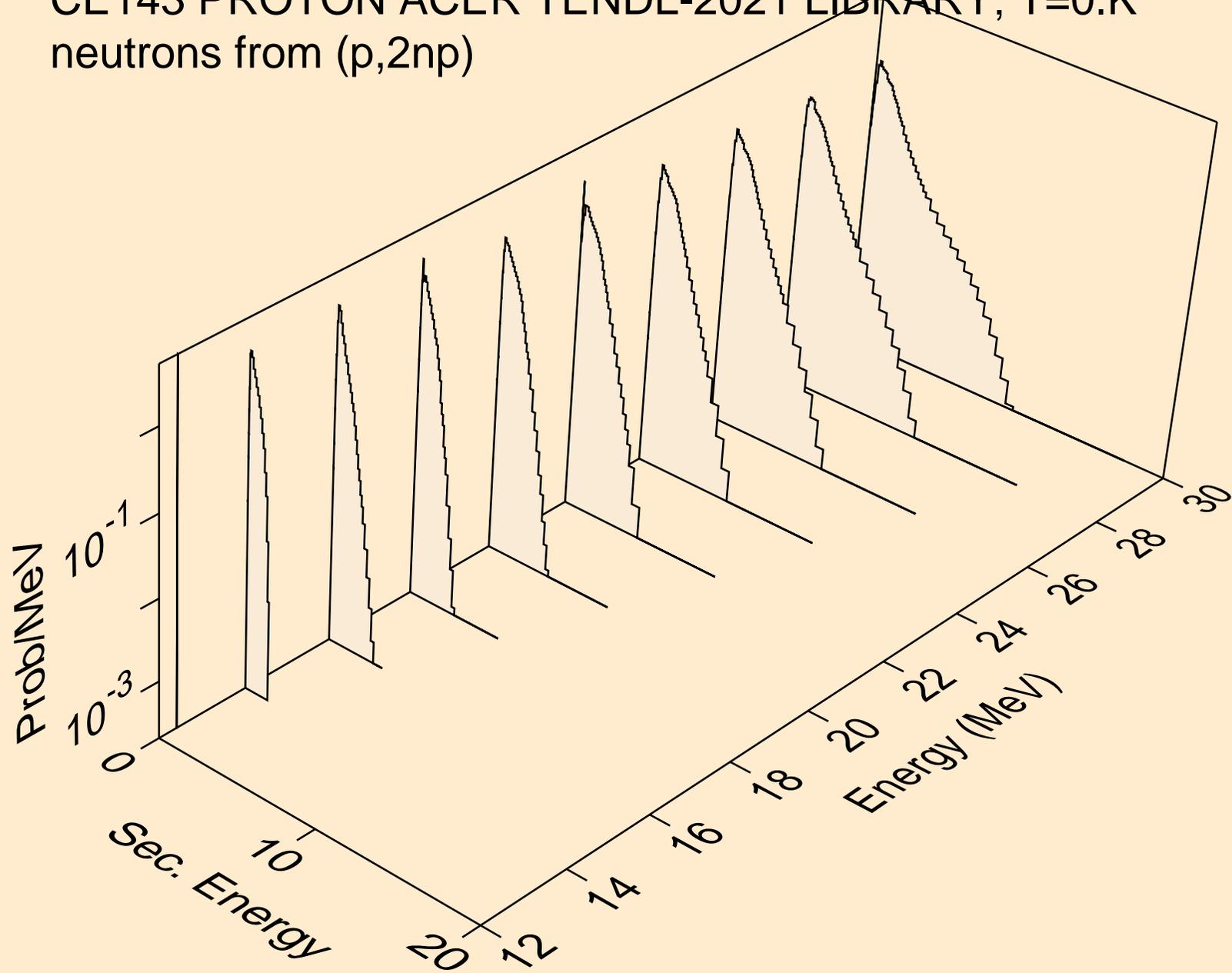
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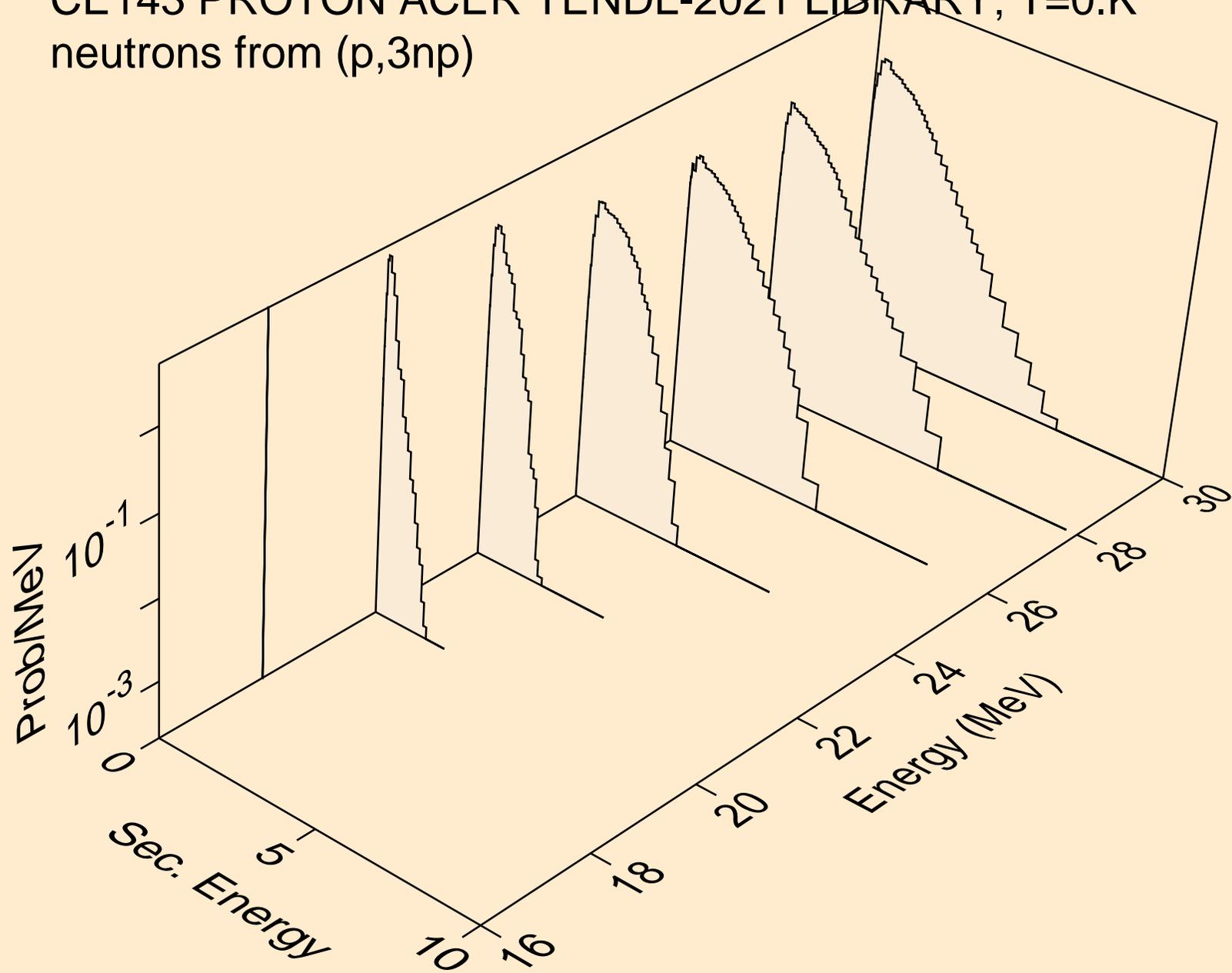
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neutrons from (p,4n)



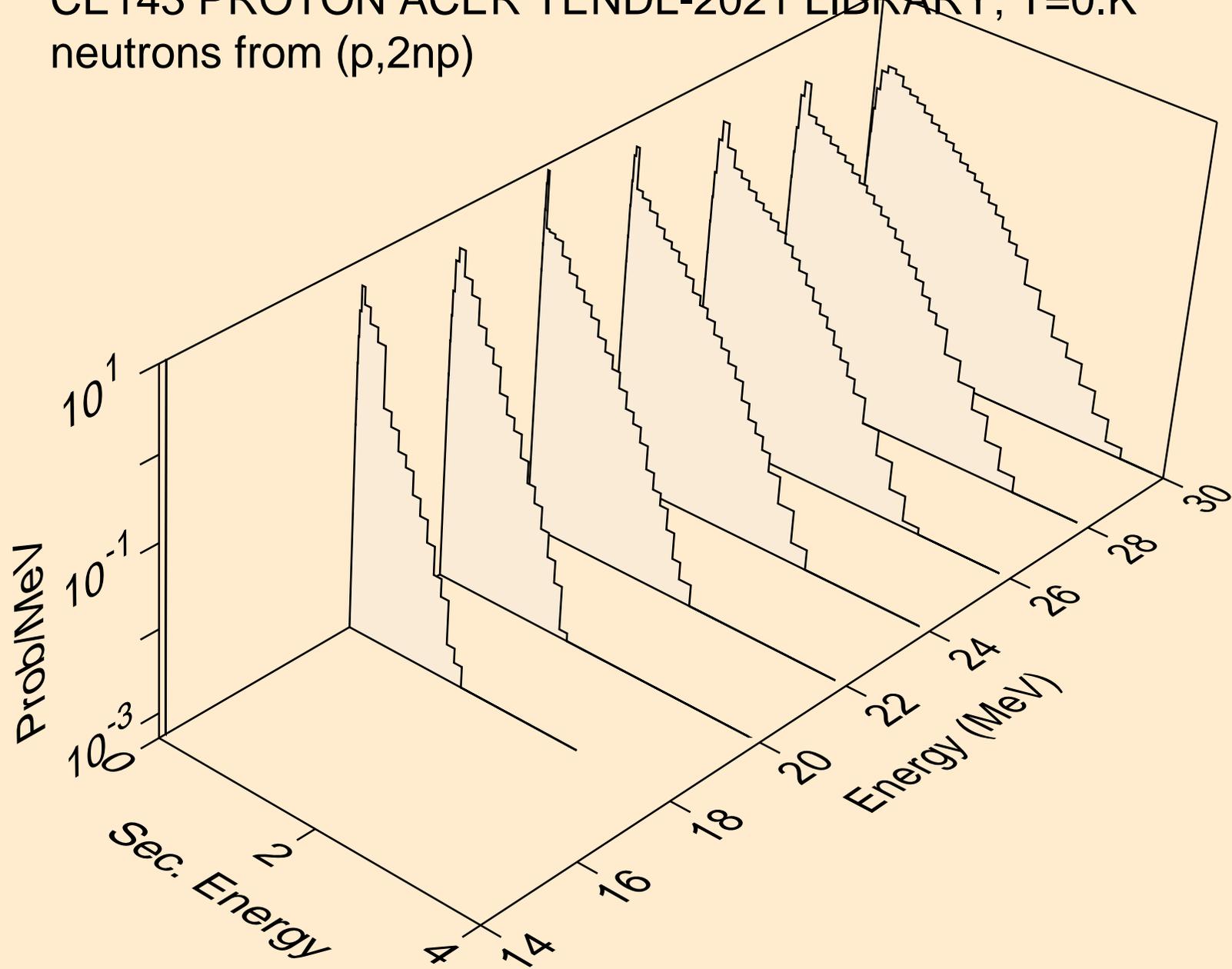
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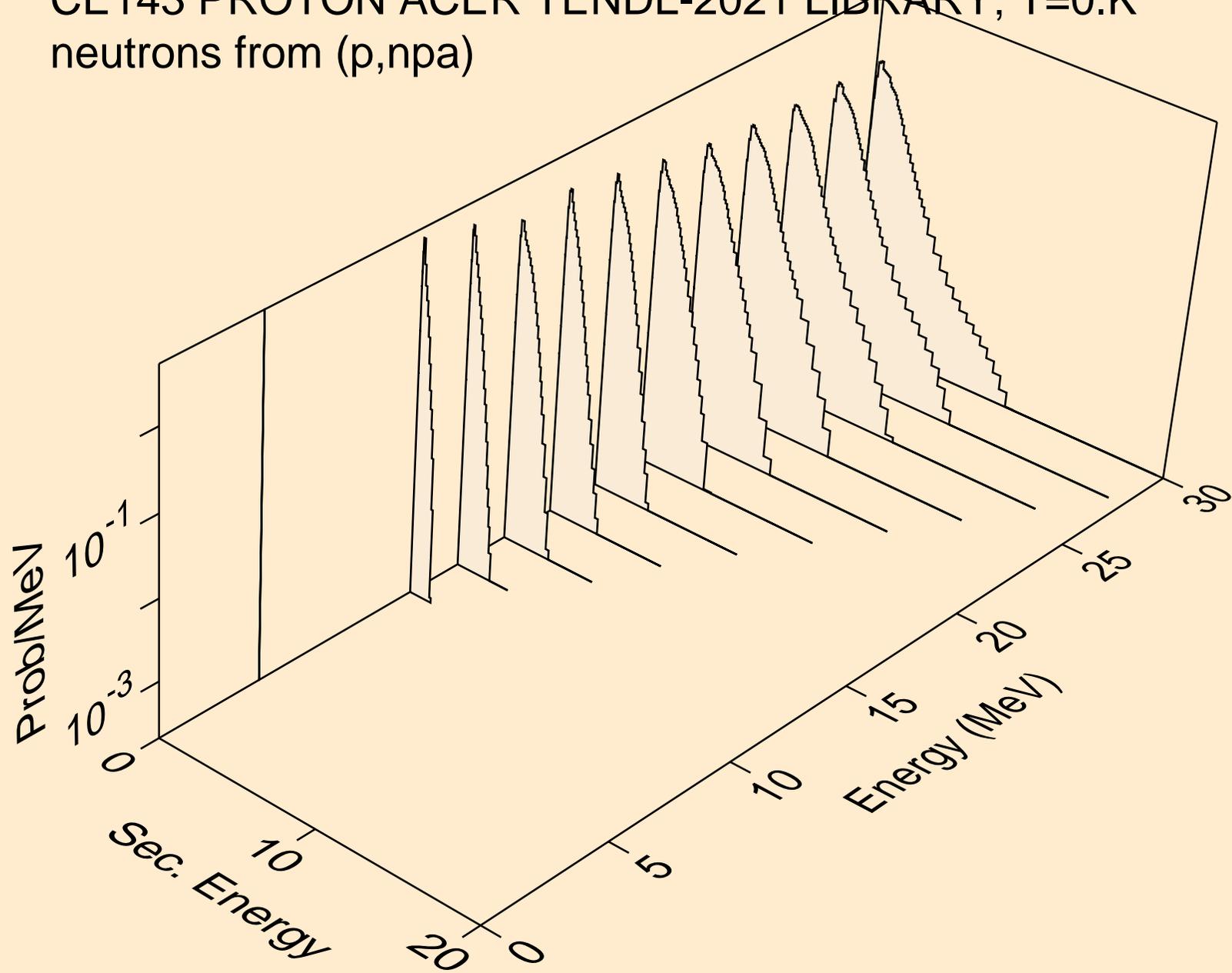
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neutrons from (p,3np)



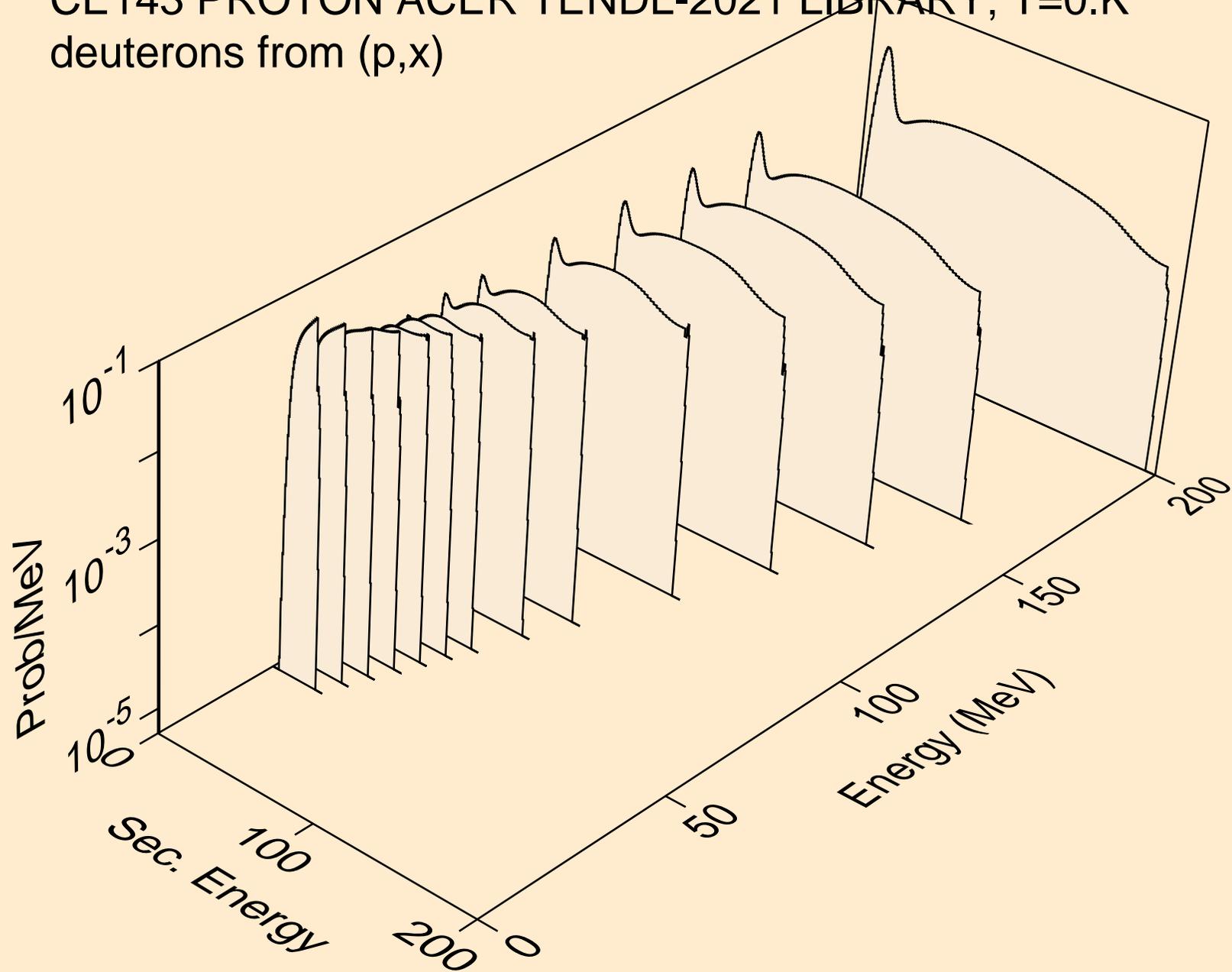
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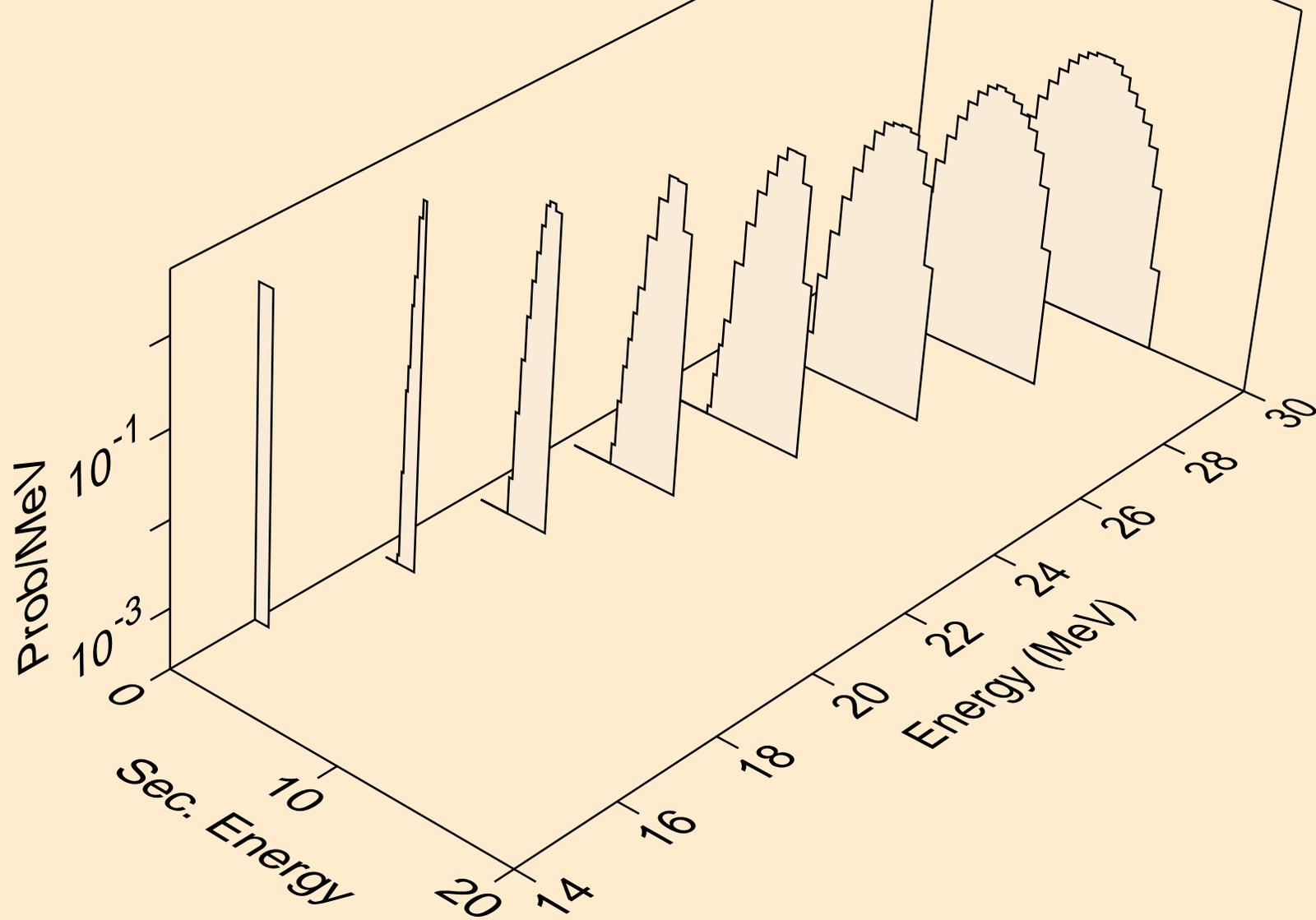
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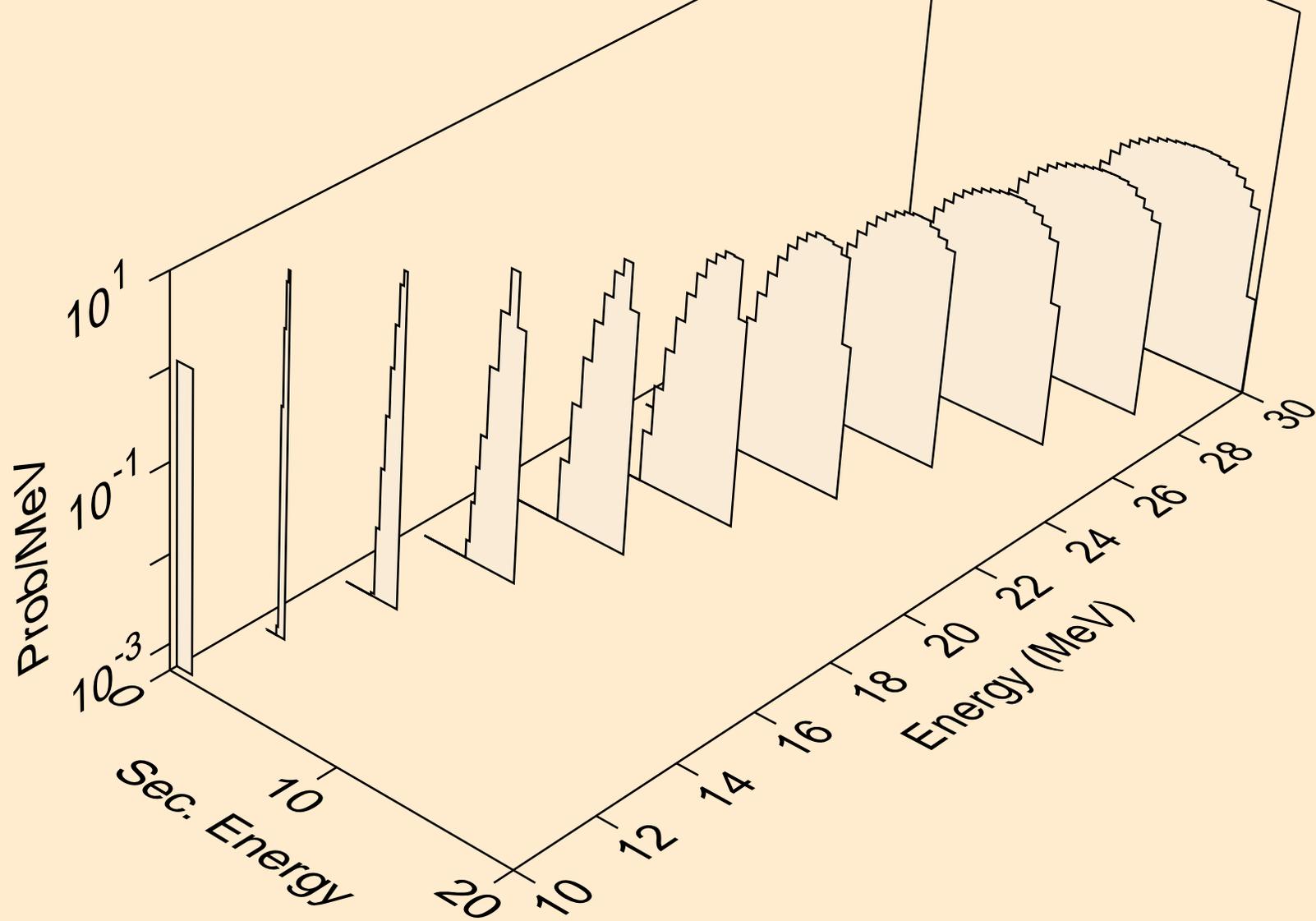
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deuterons from (p,x)



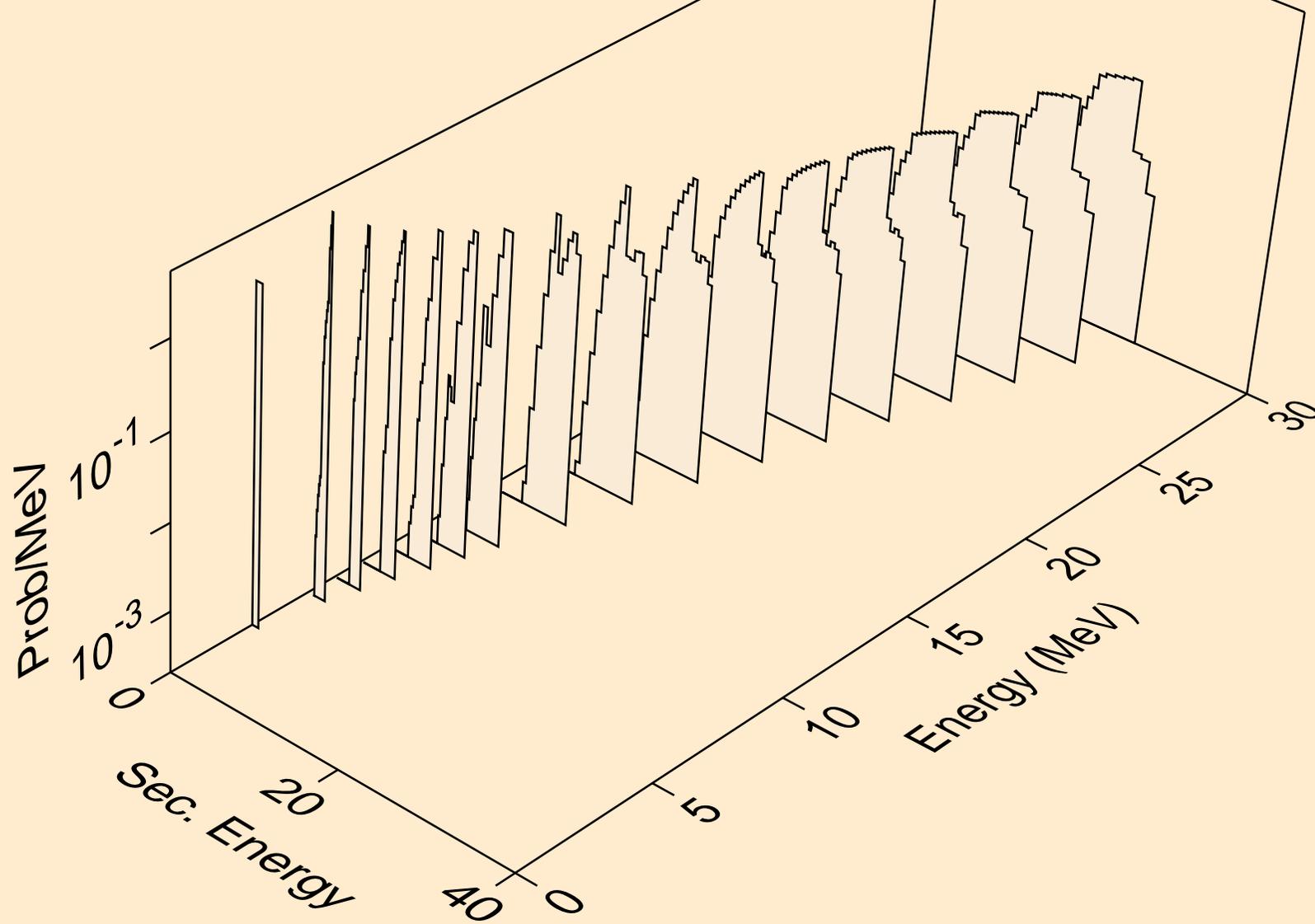
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deuterons from (p,2nd)



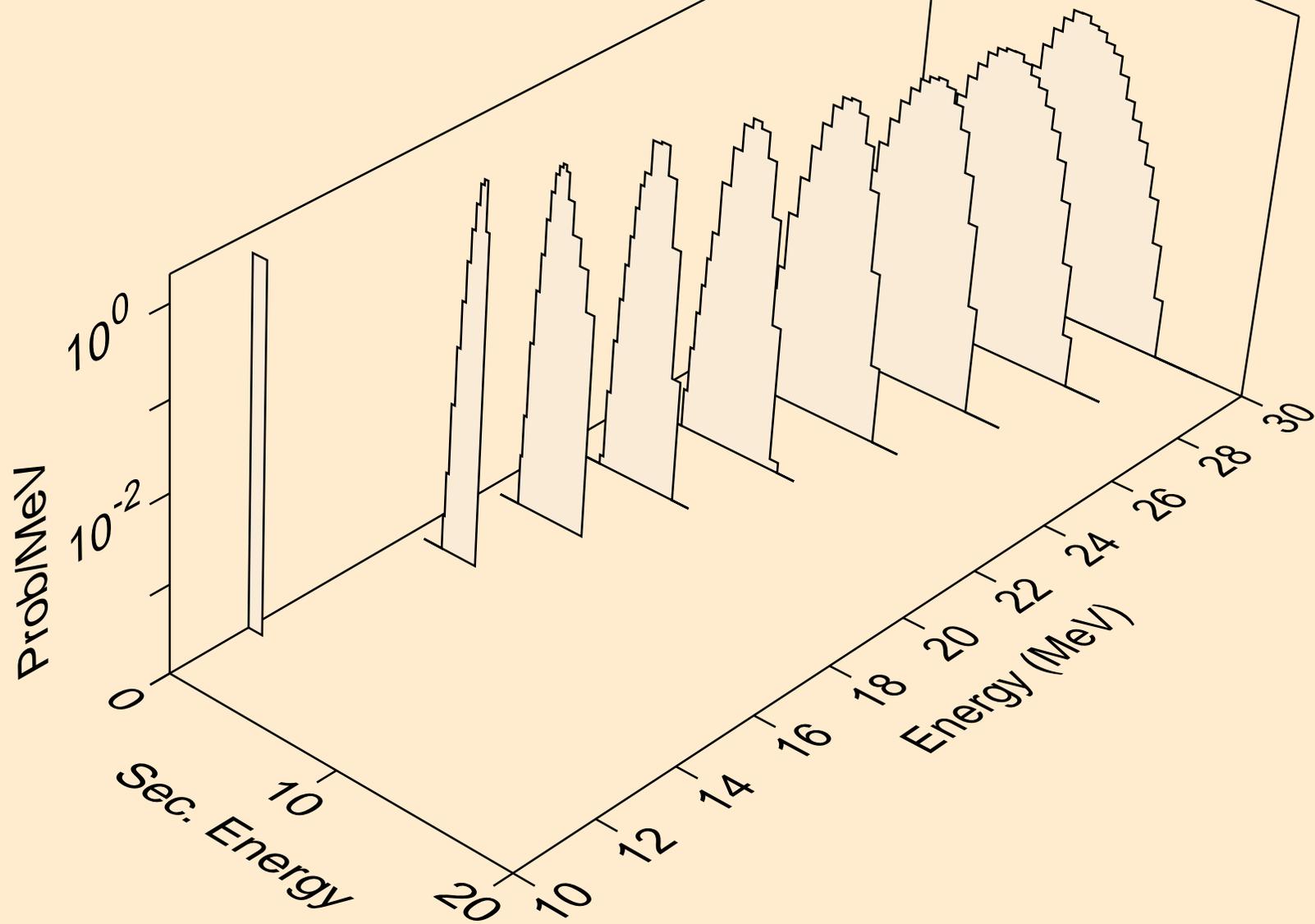
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deuterons from (p,n\*)d



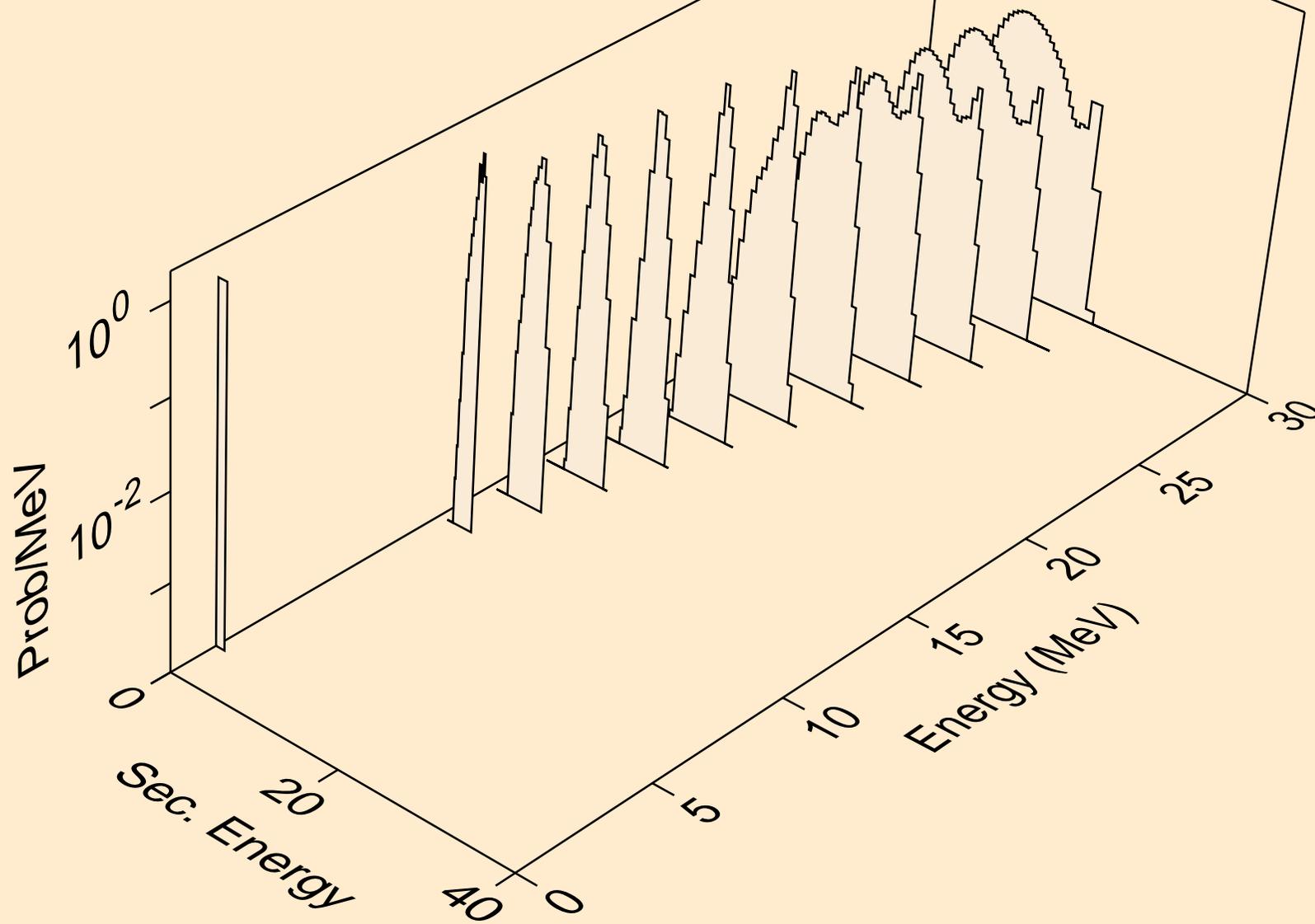
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deuterons from (p,d)



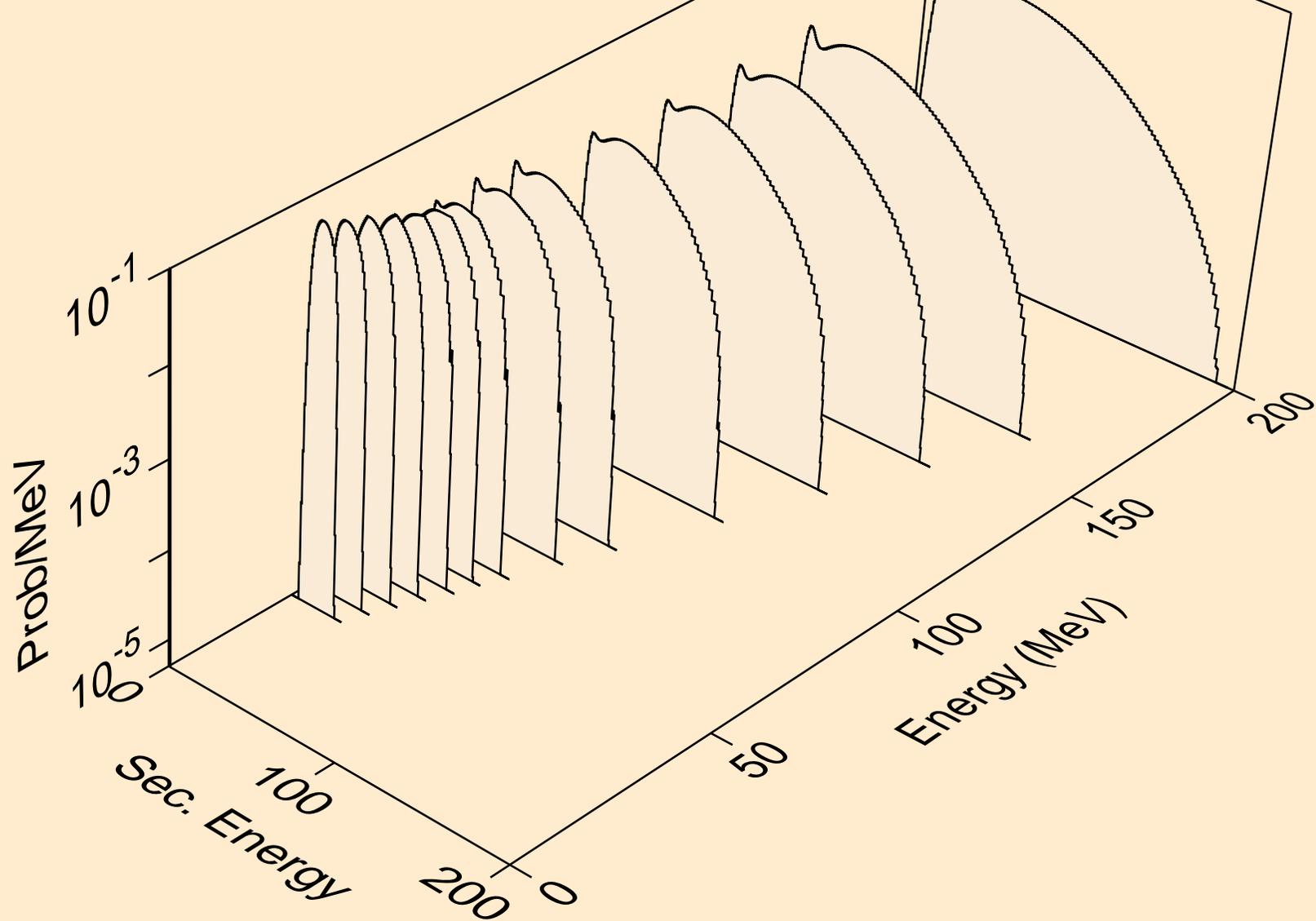
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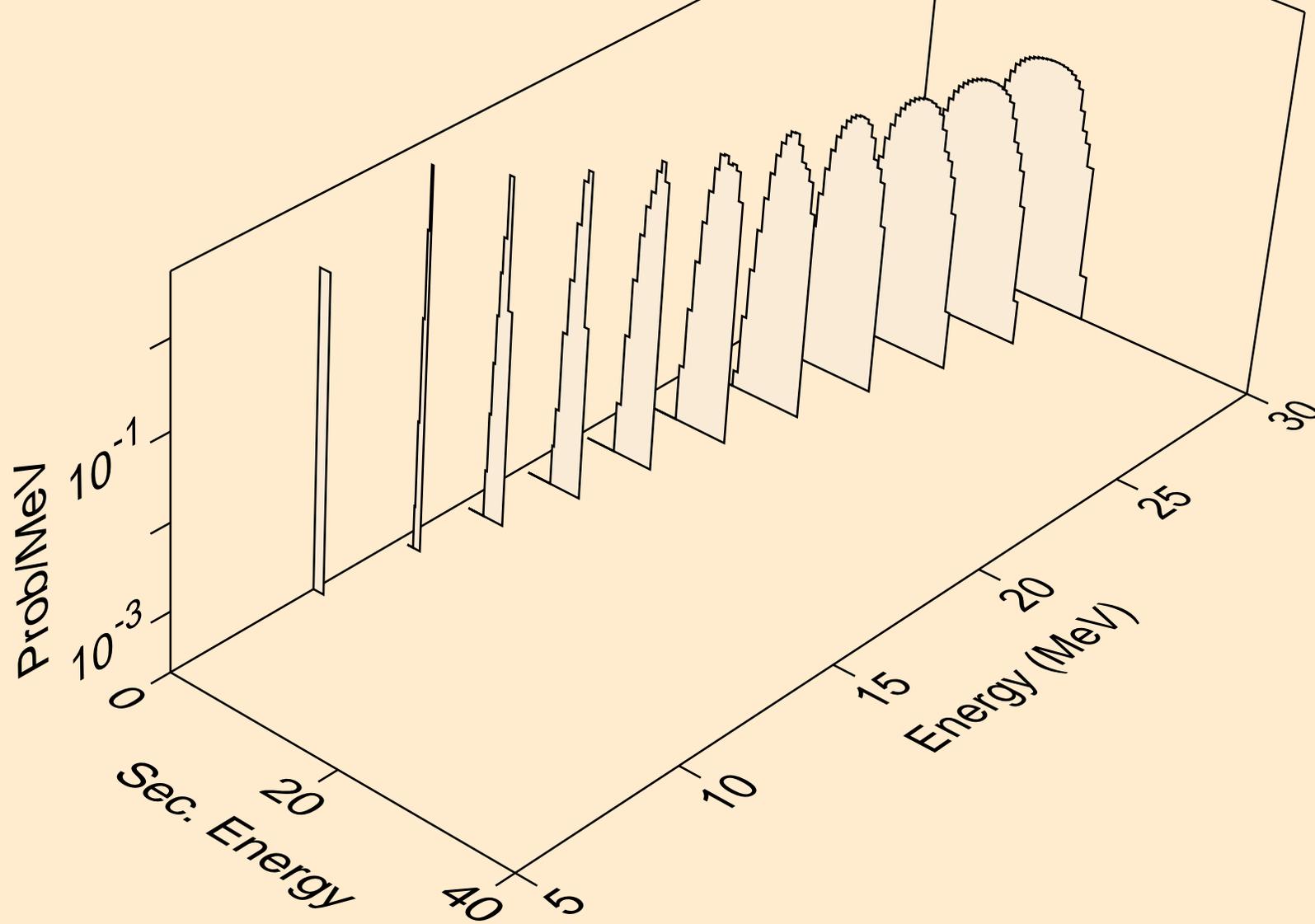
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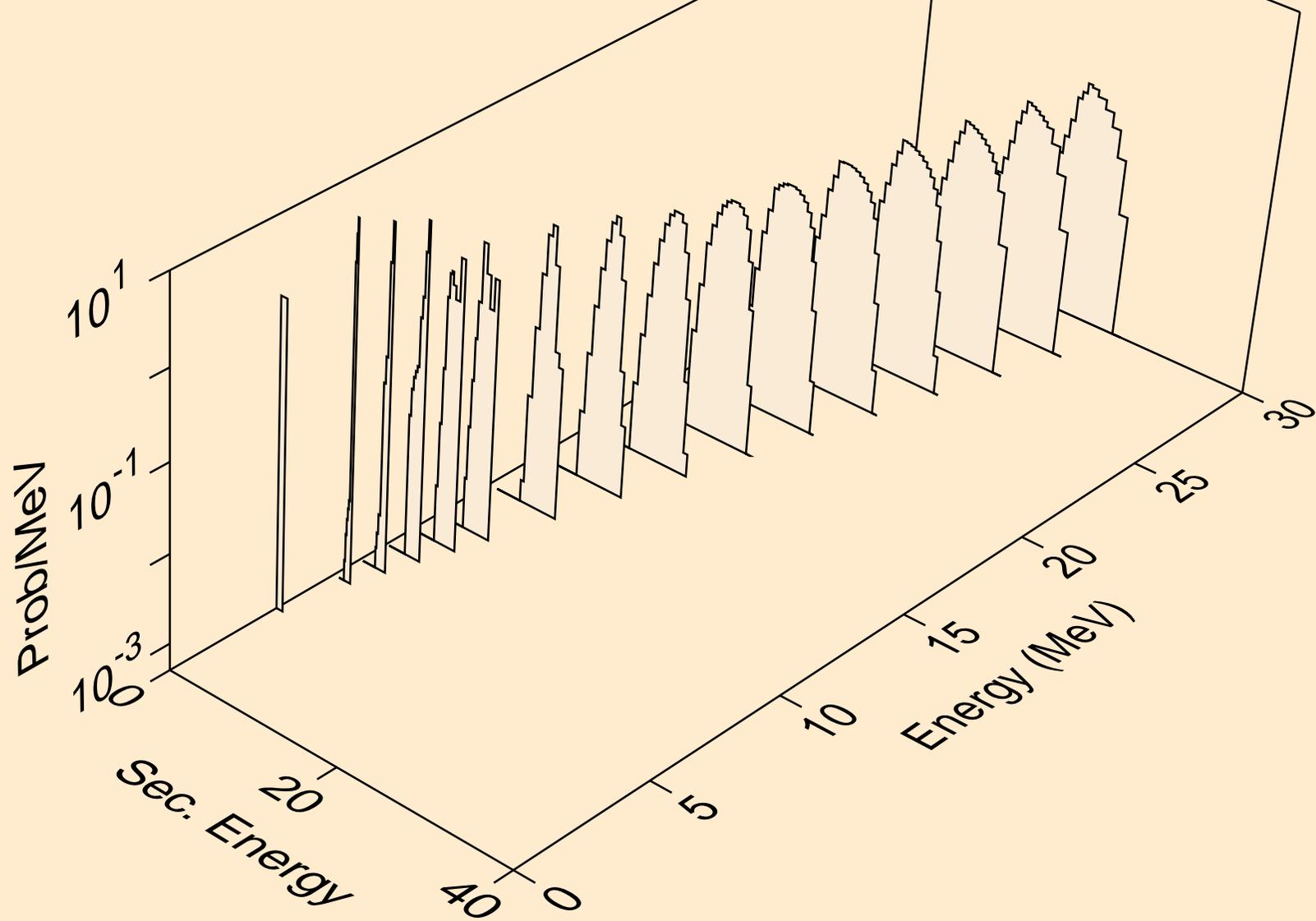
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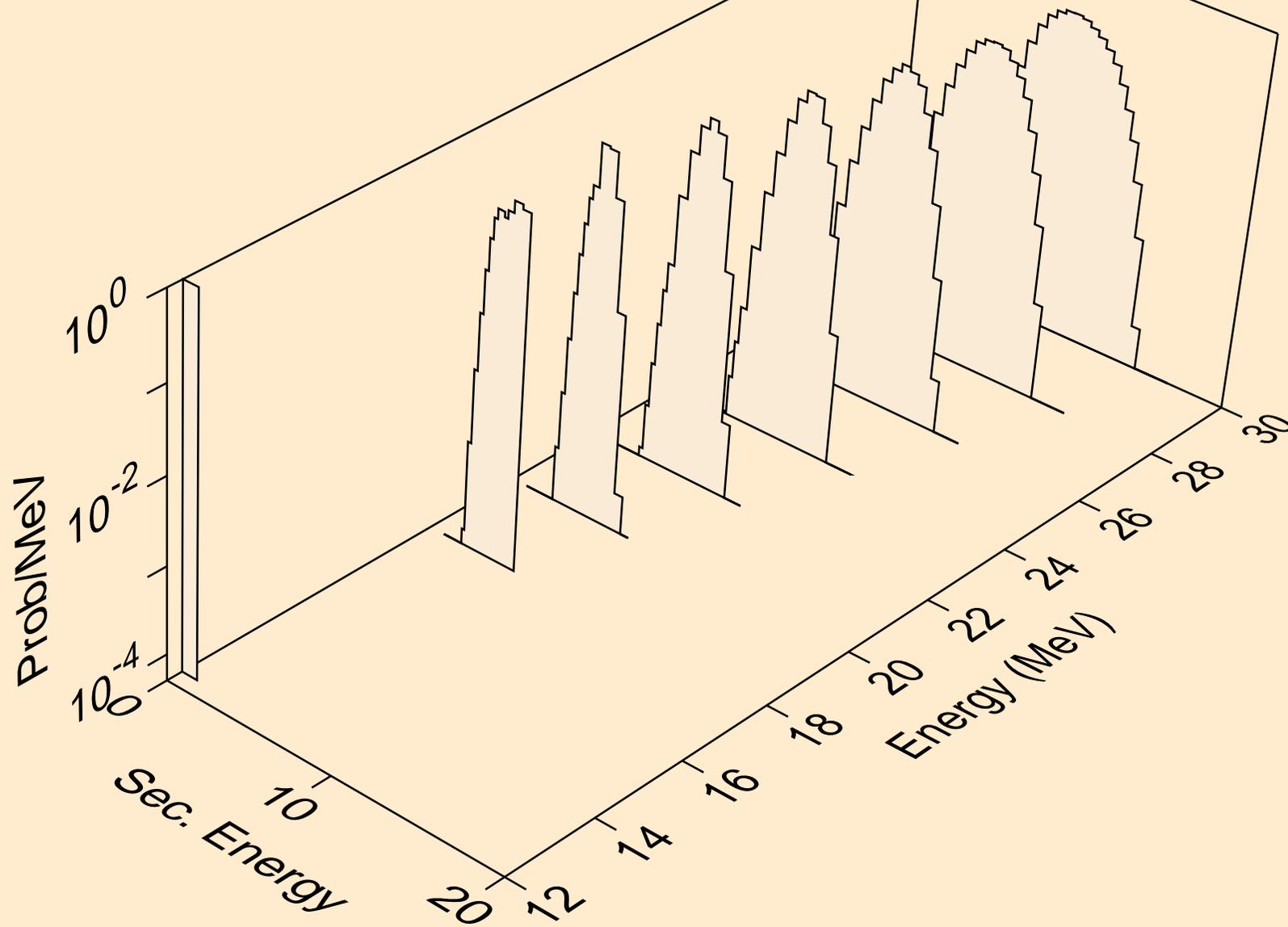
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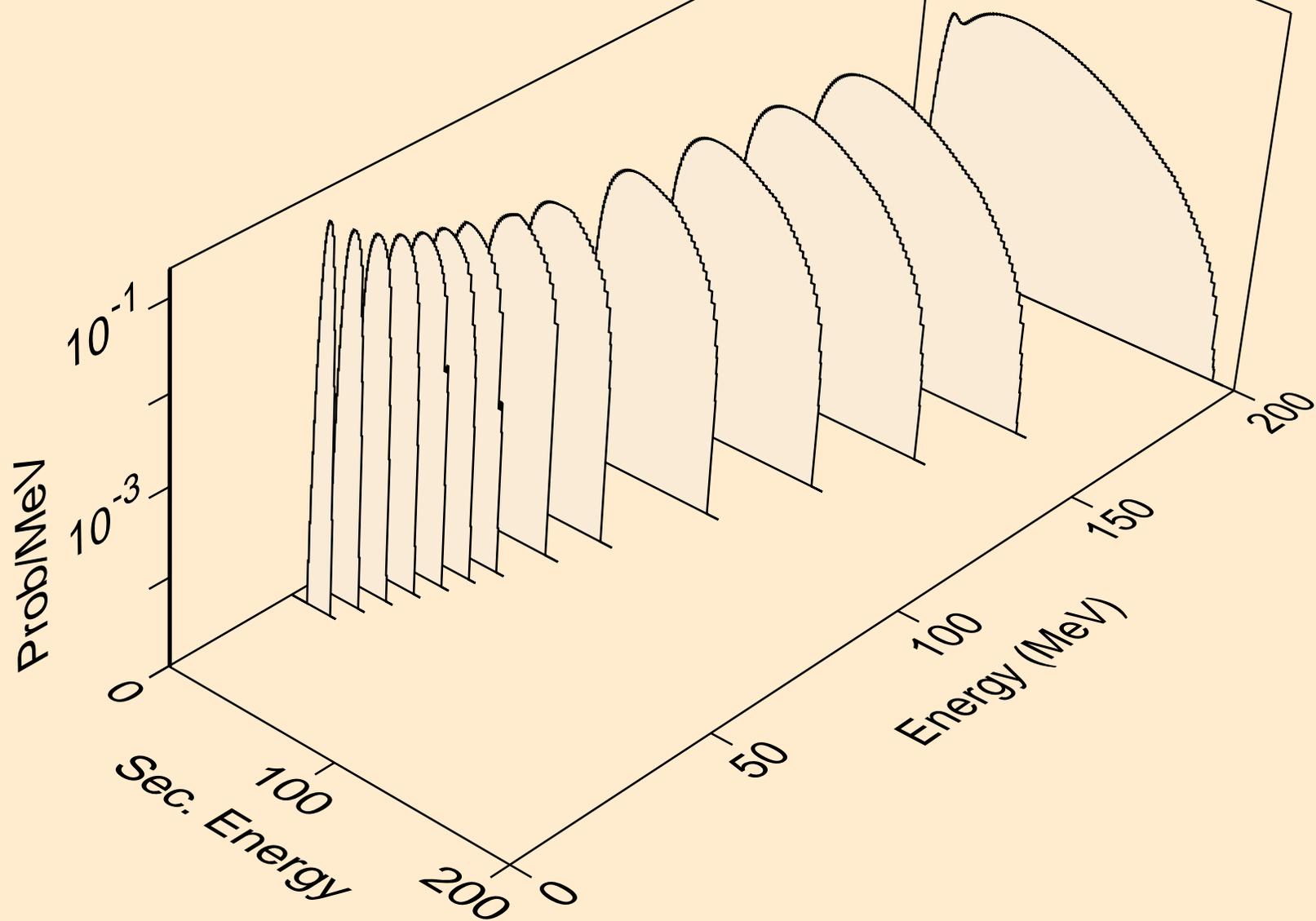
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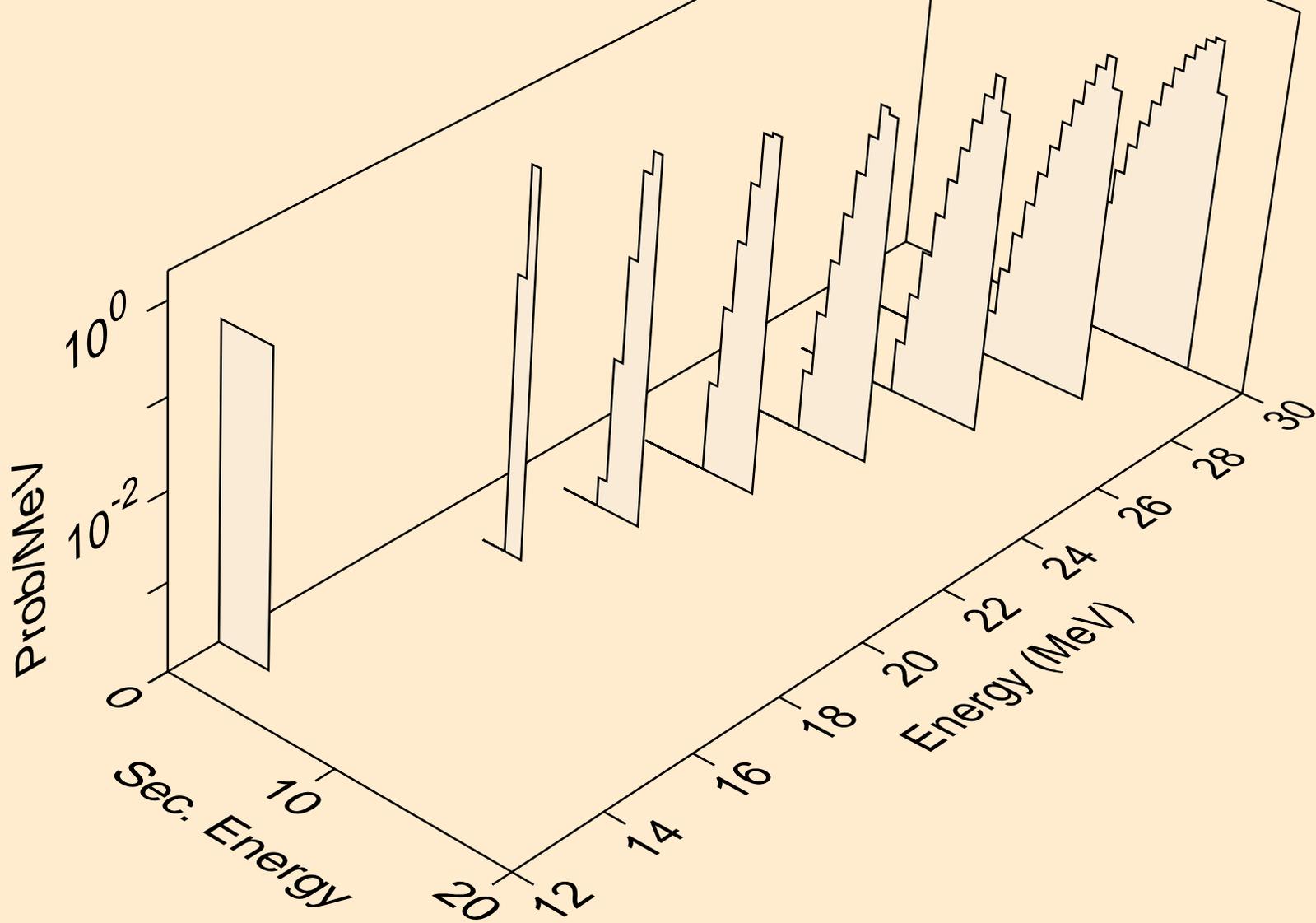
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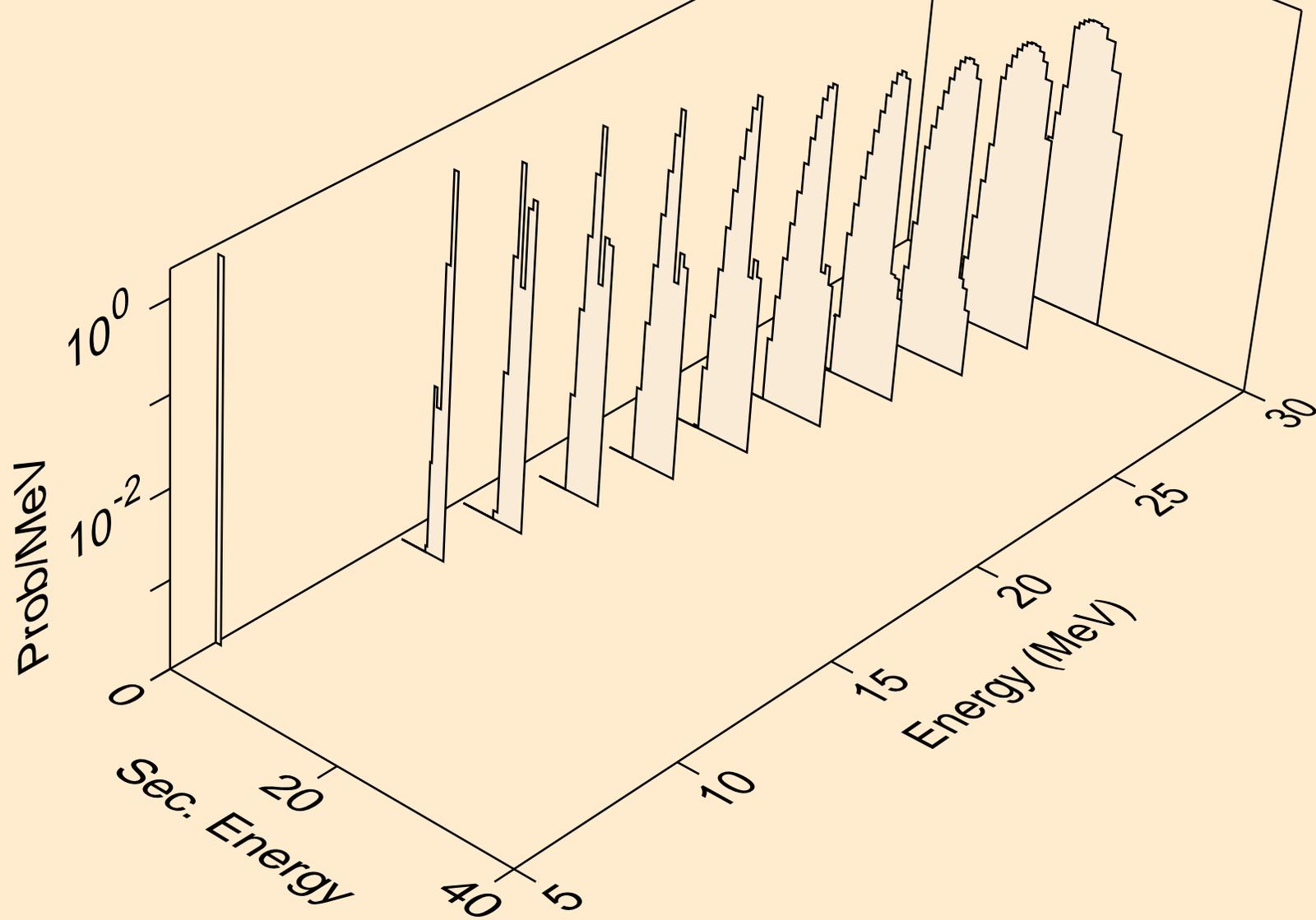
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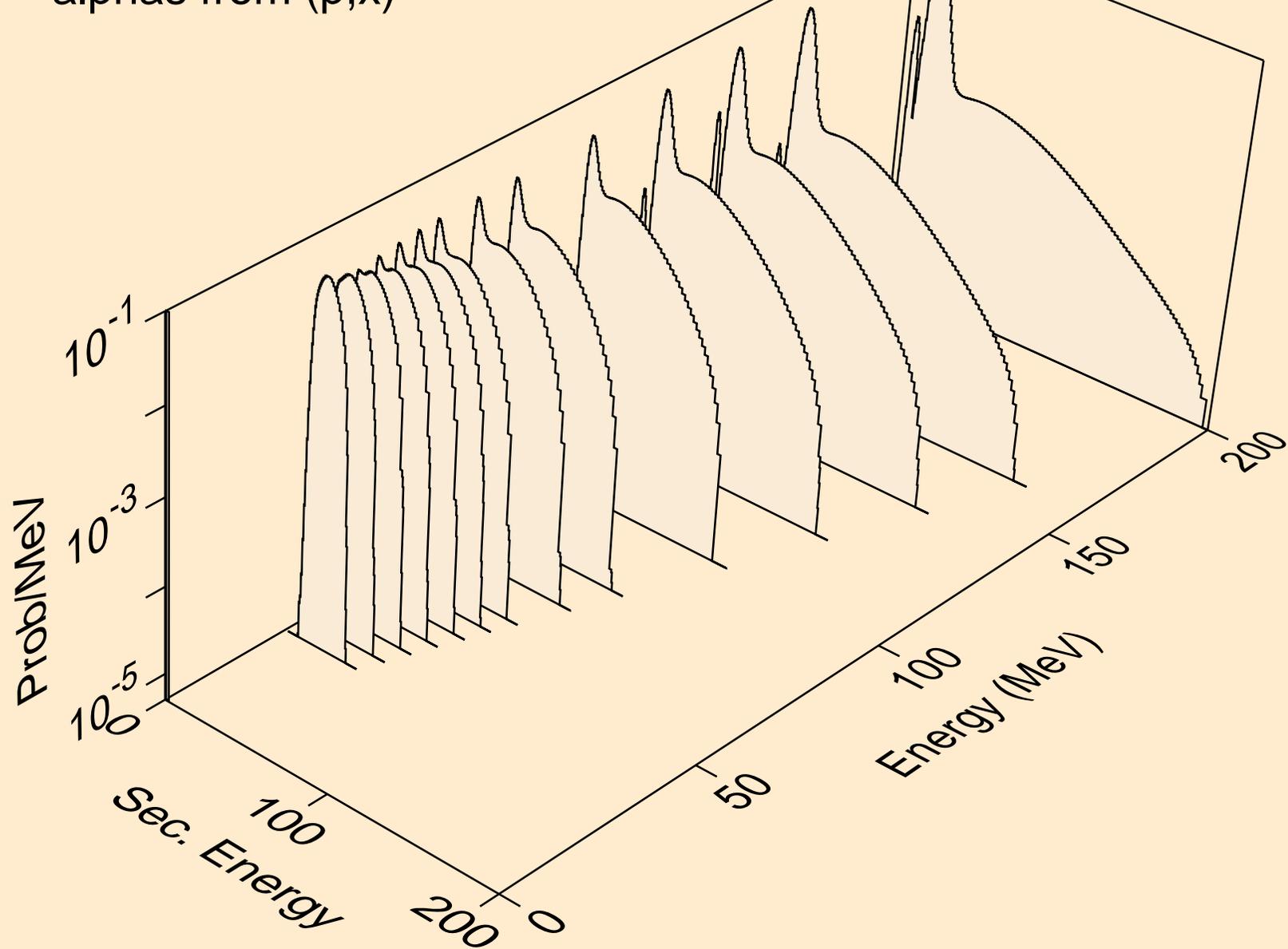
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he3s from (p,n\*)he3



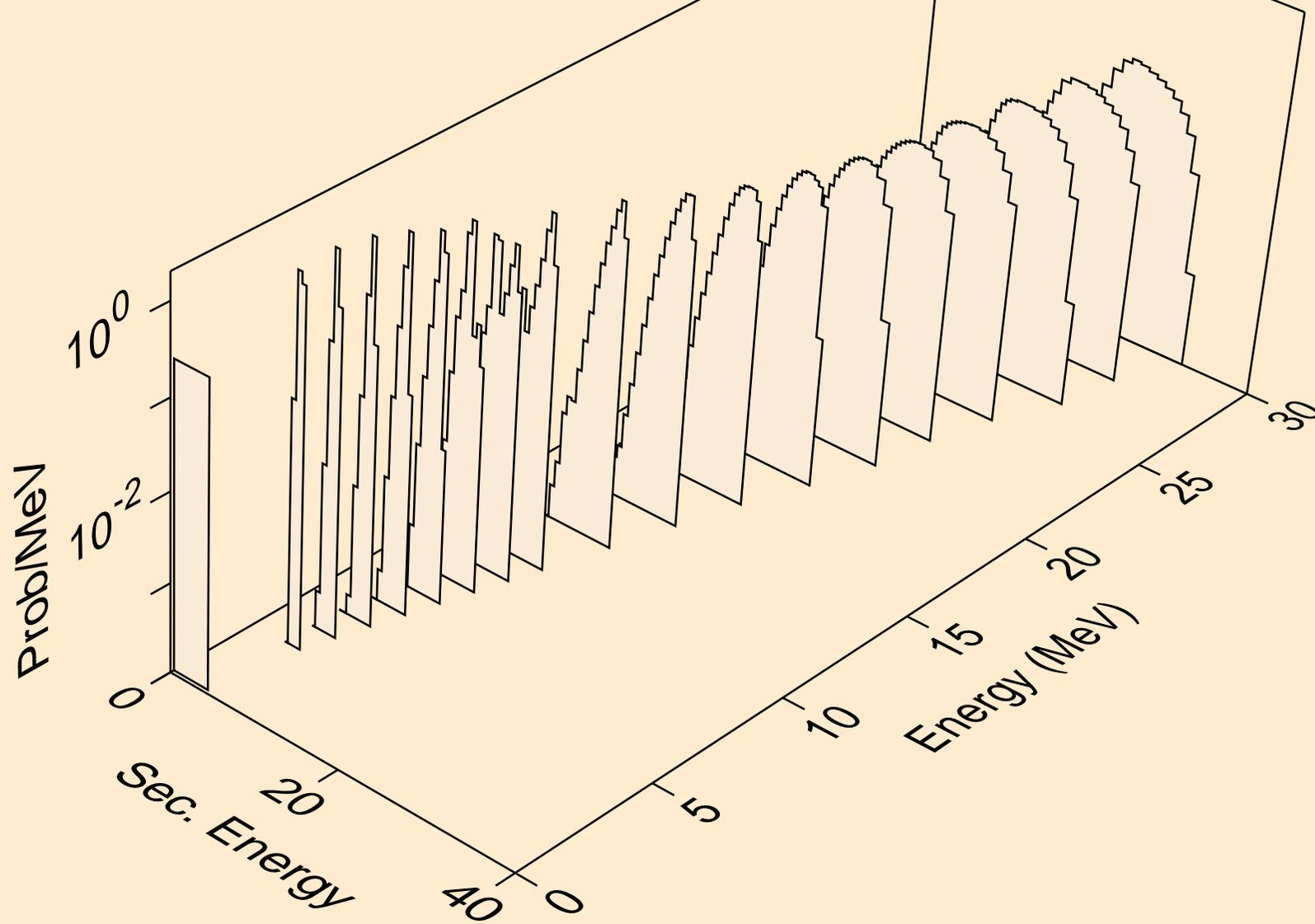
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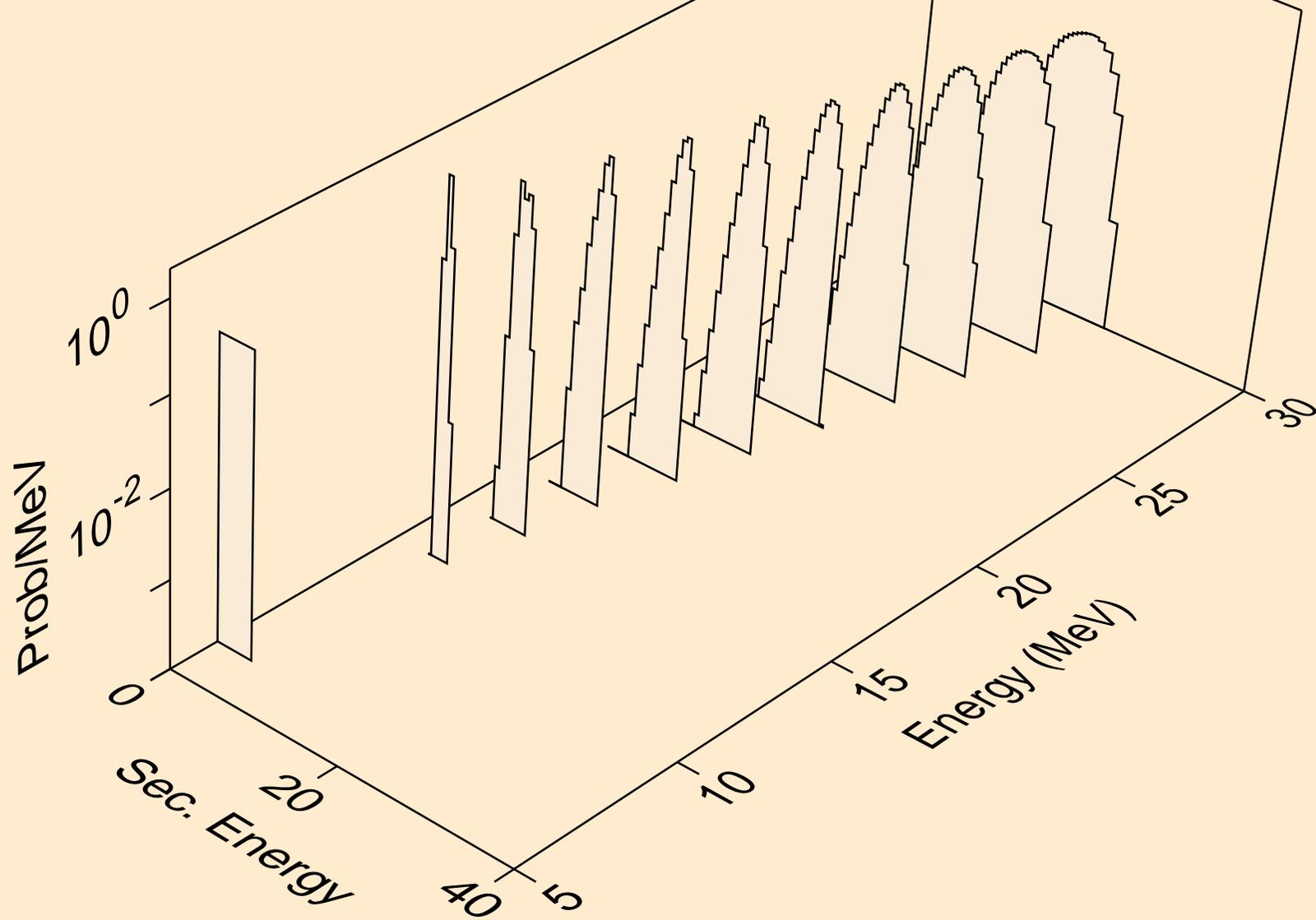
CE143 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,x)



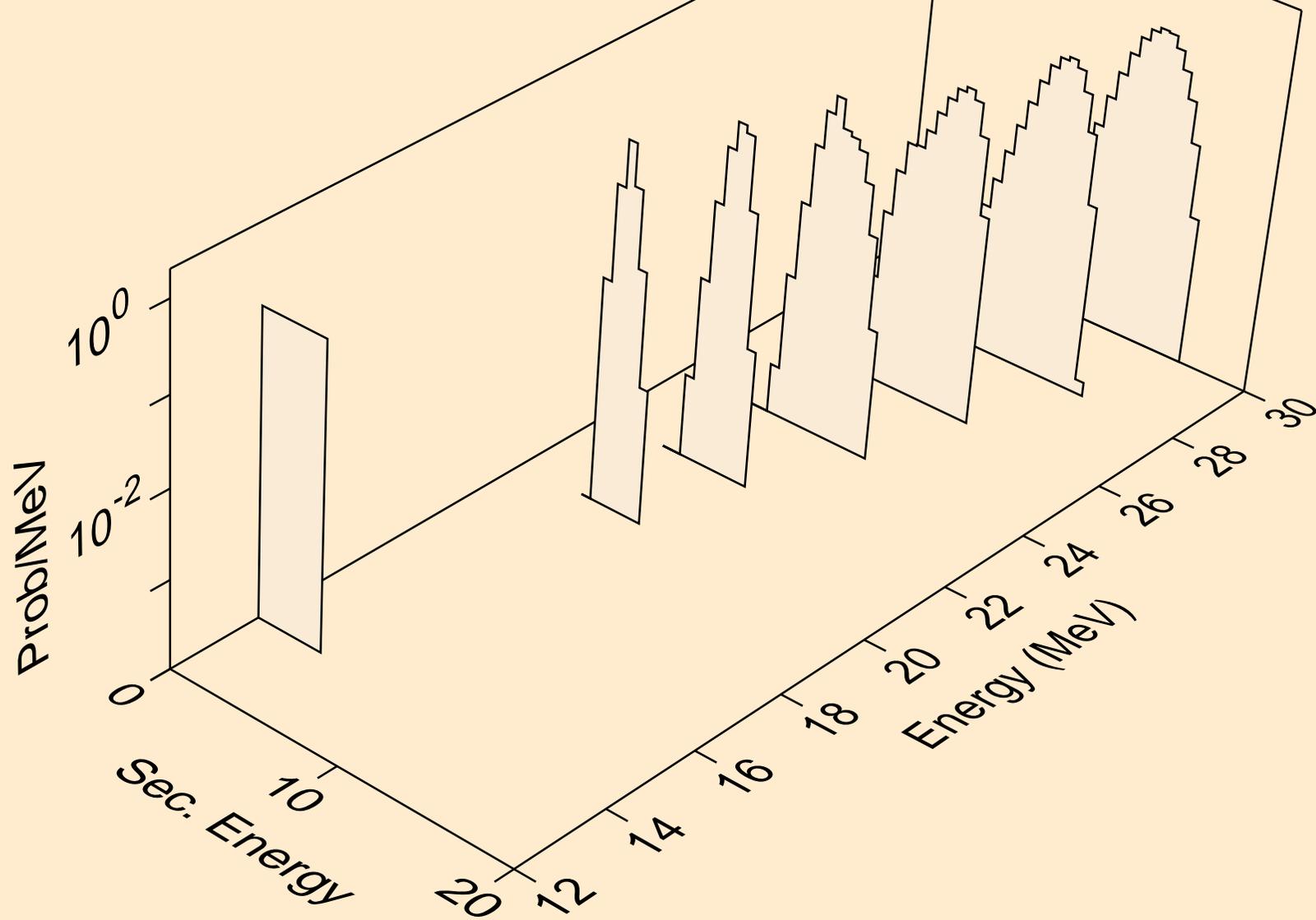
CE143 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)a



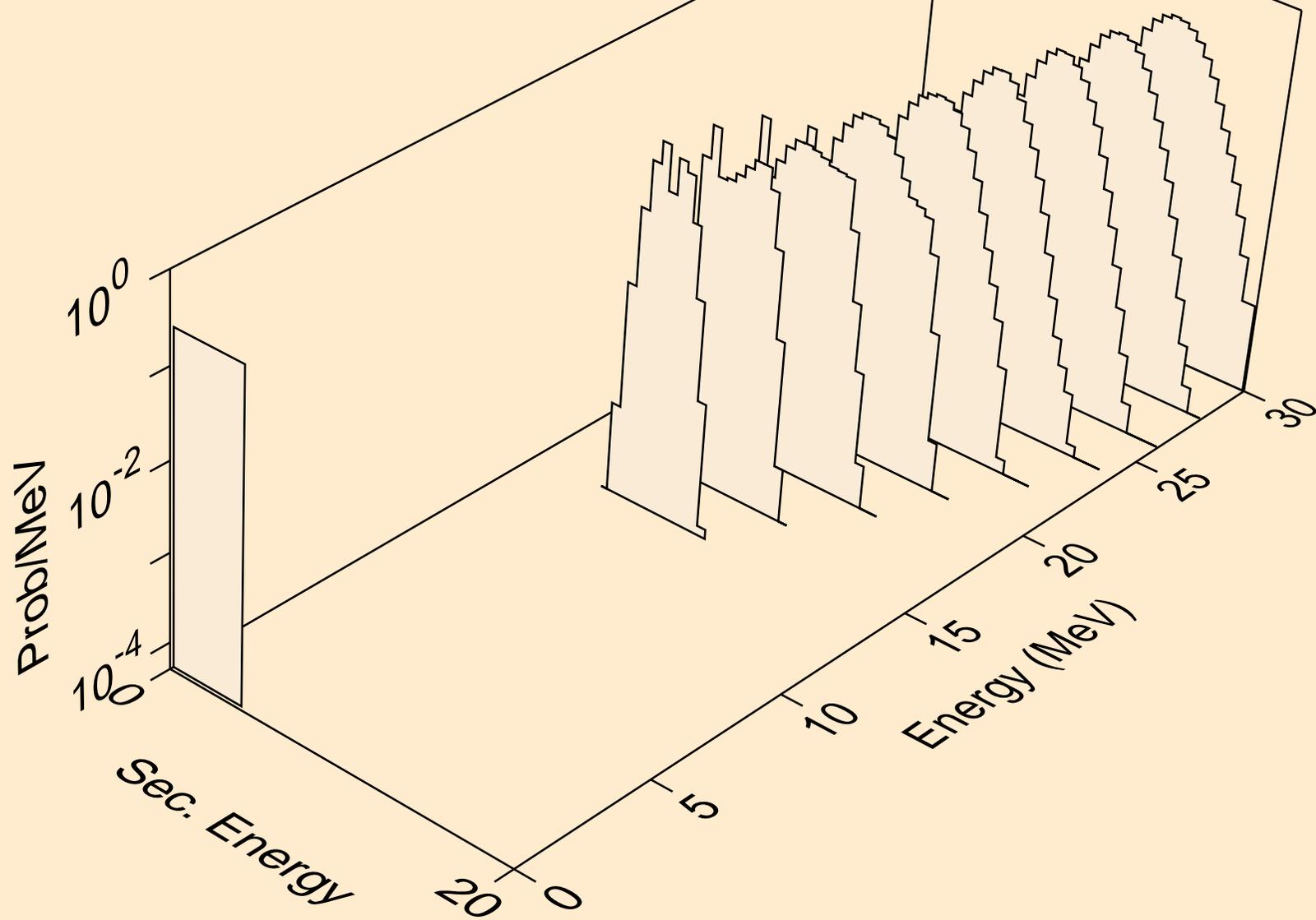
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alphas from (p,2n)a



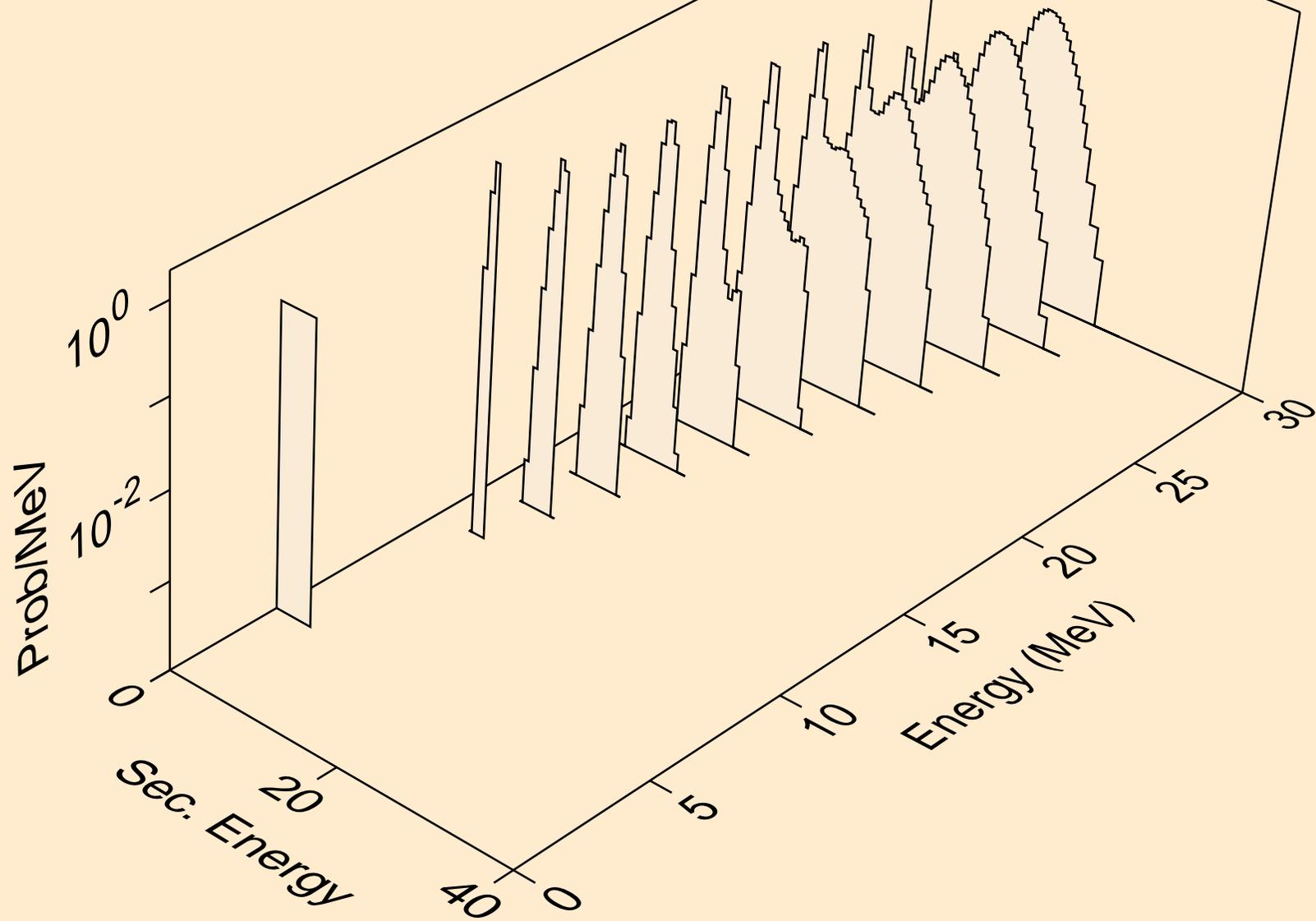
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alphas from (p,3n)a



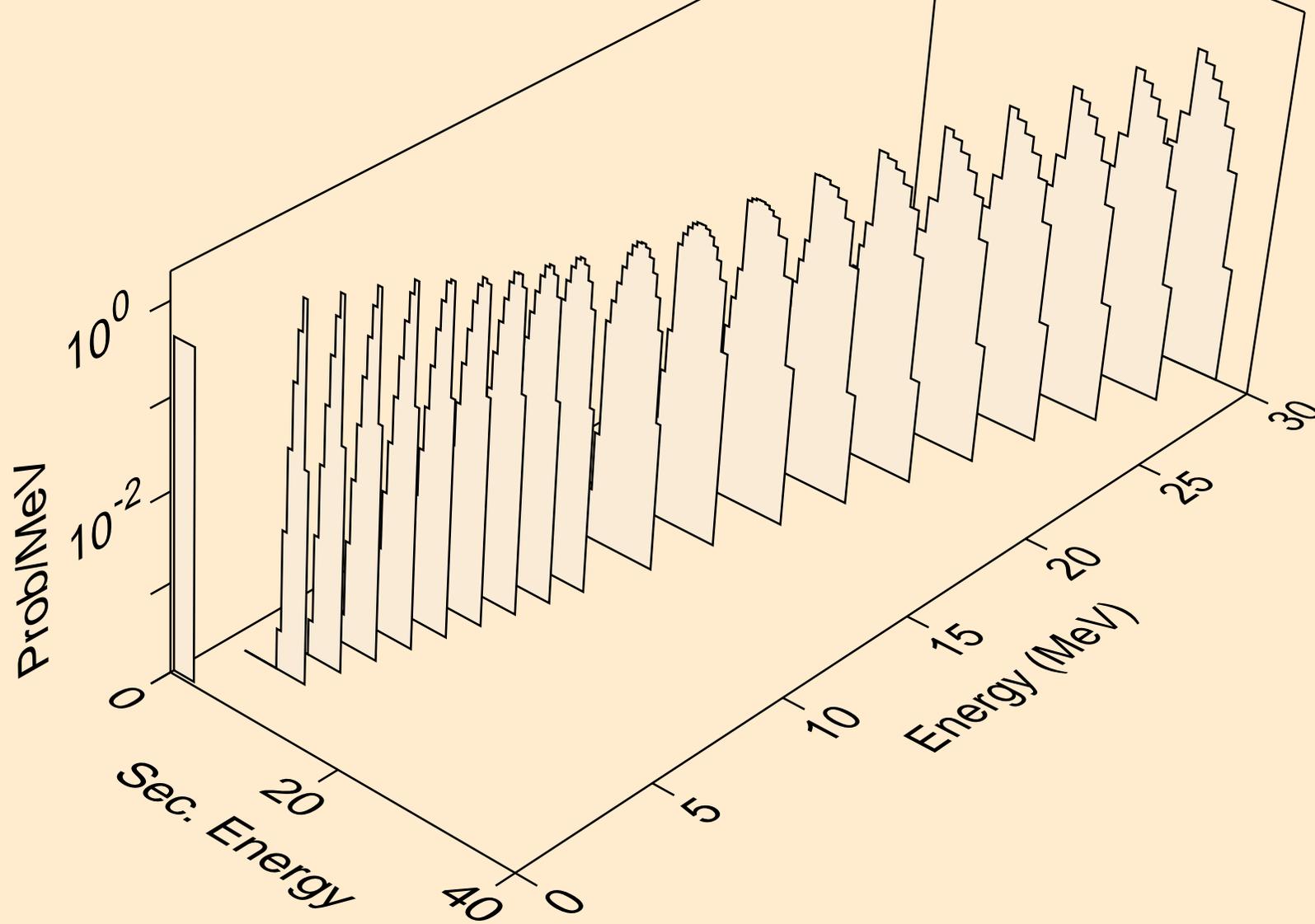
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alphas from (p,n\*)2a



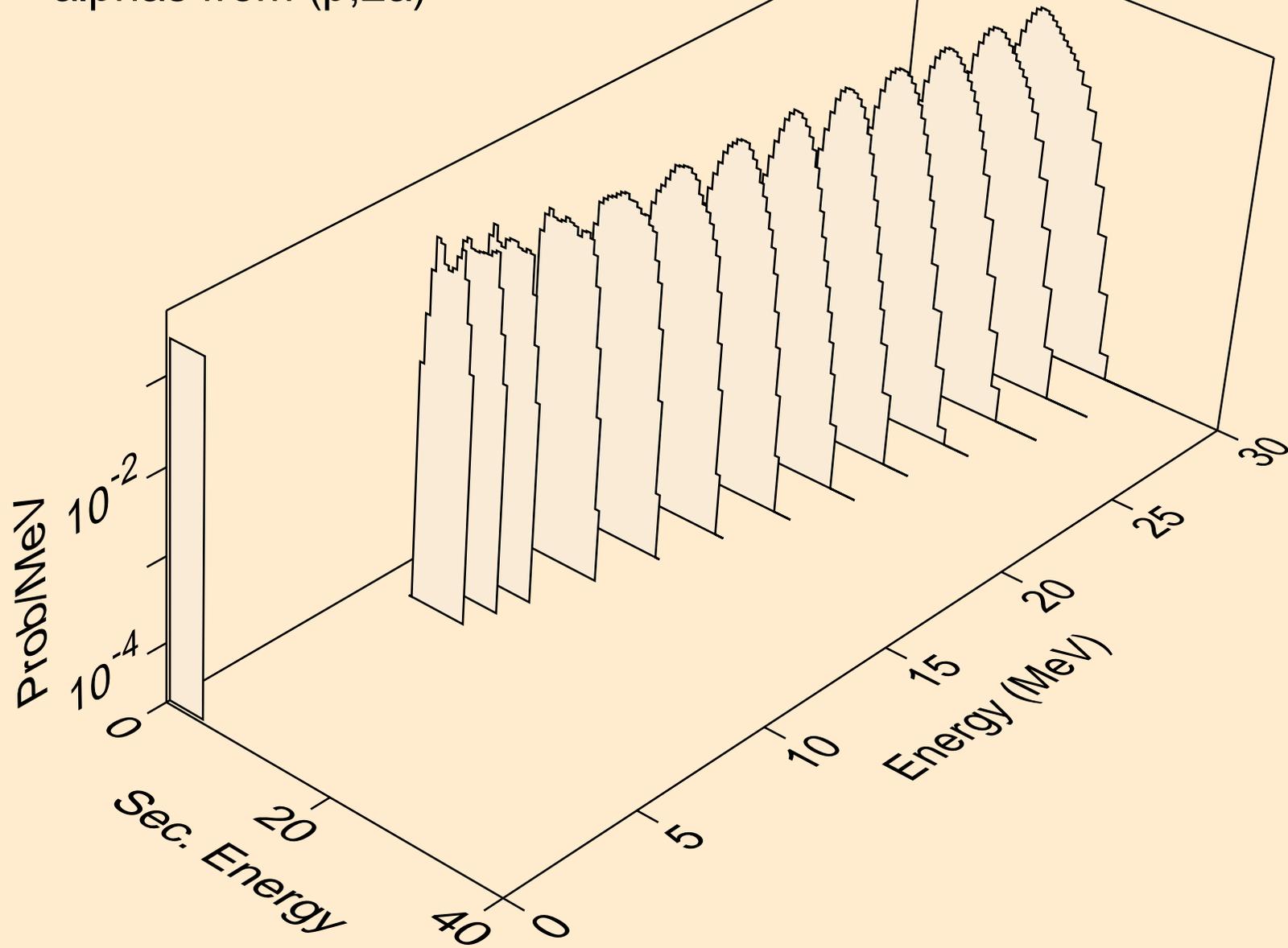
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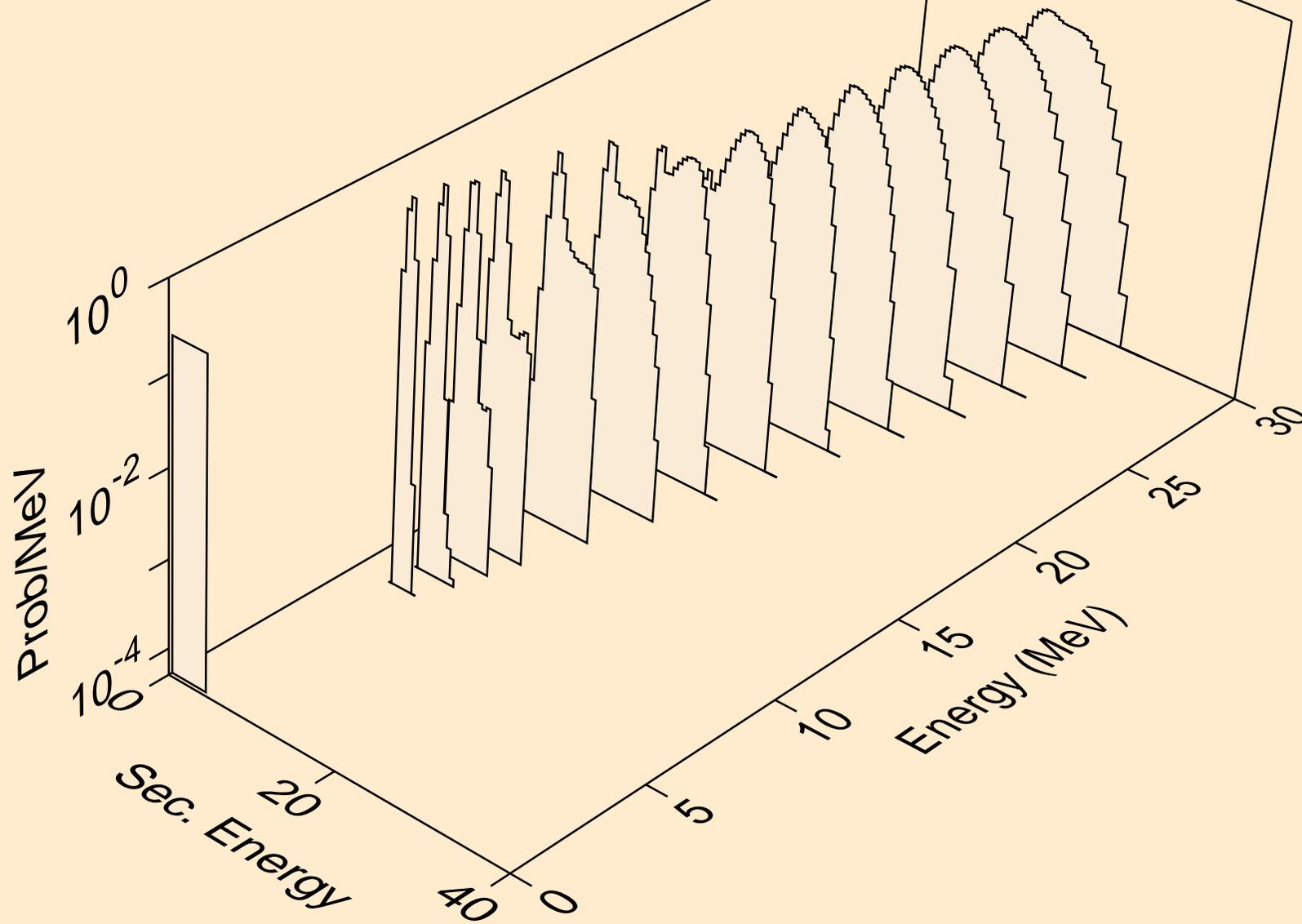
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alphas from (p,a)



CE143 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2a)



CE143 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,pa)



CE143 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,da)

