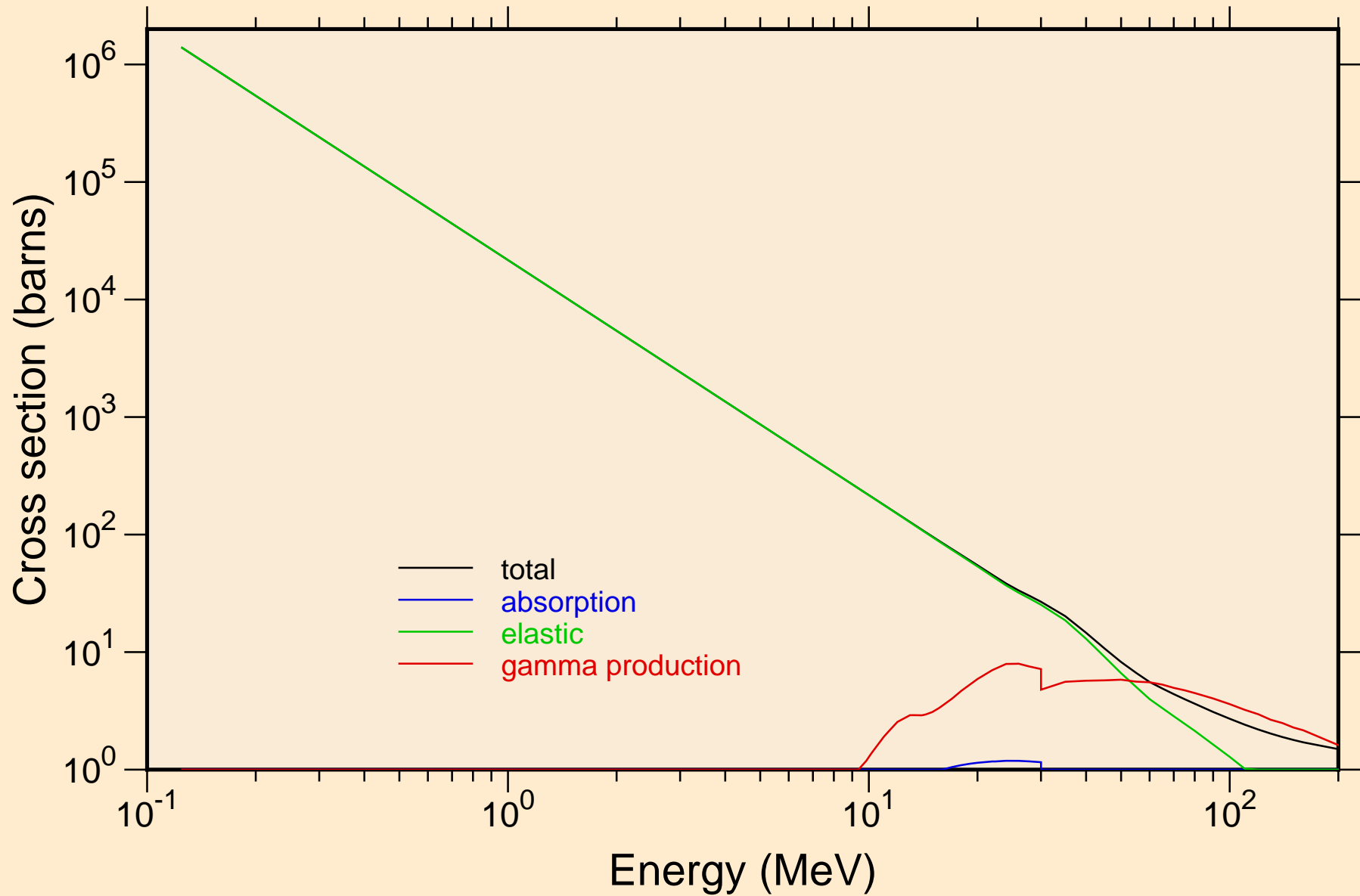
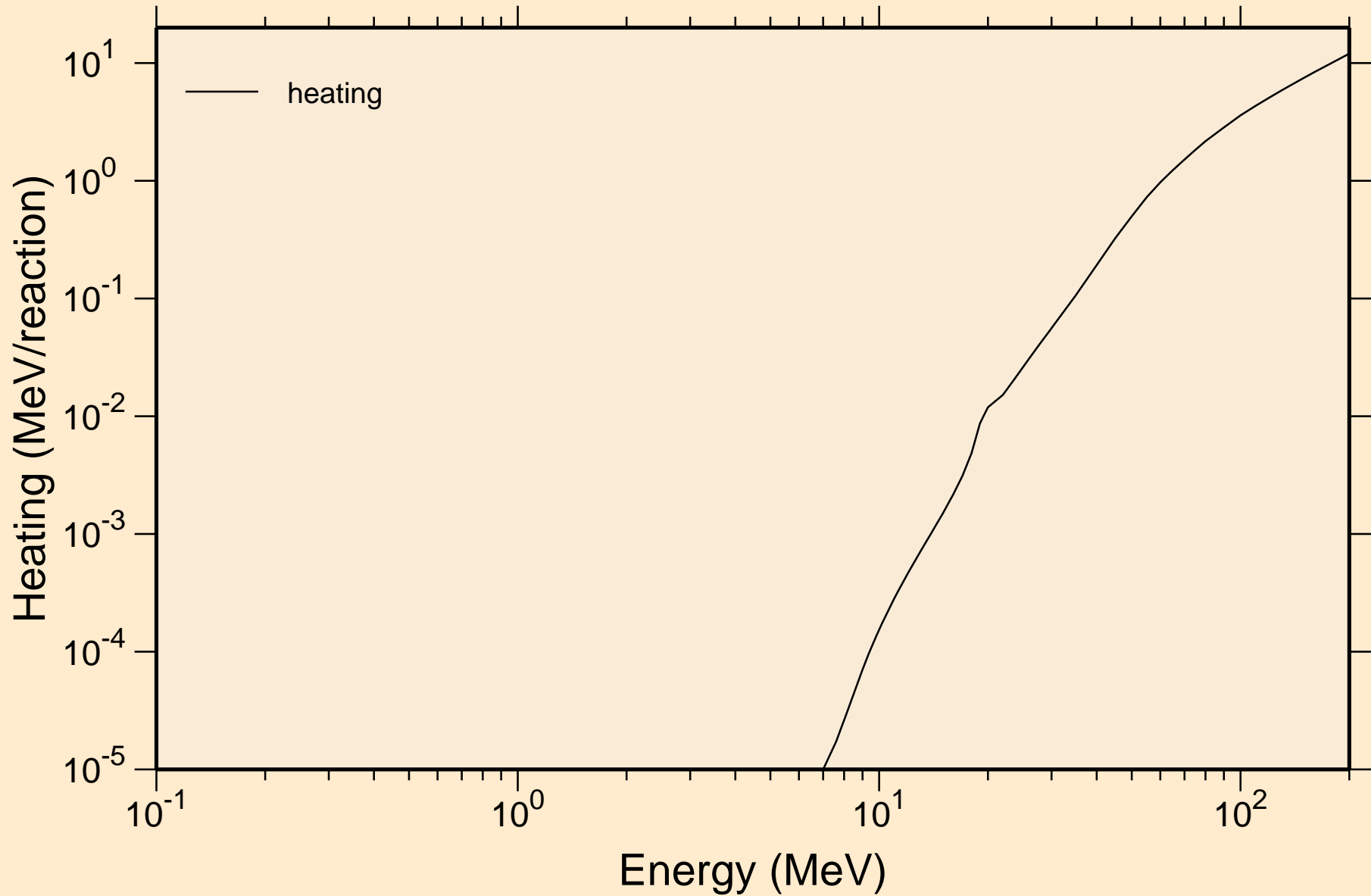


PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Principal cross sections



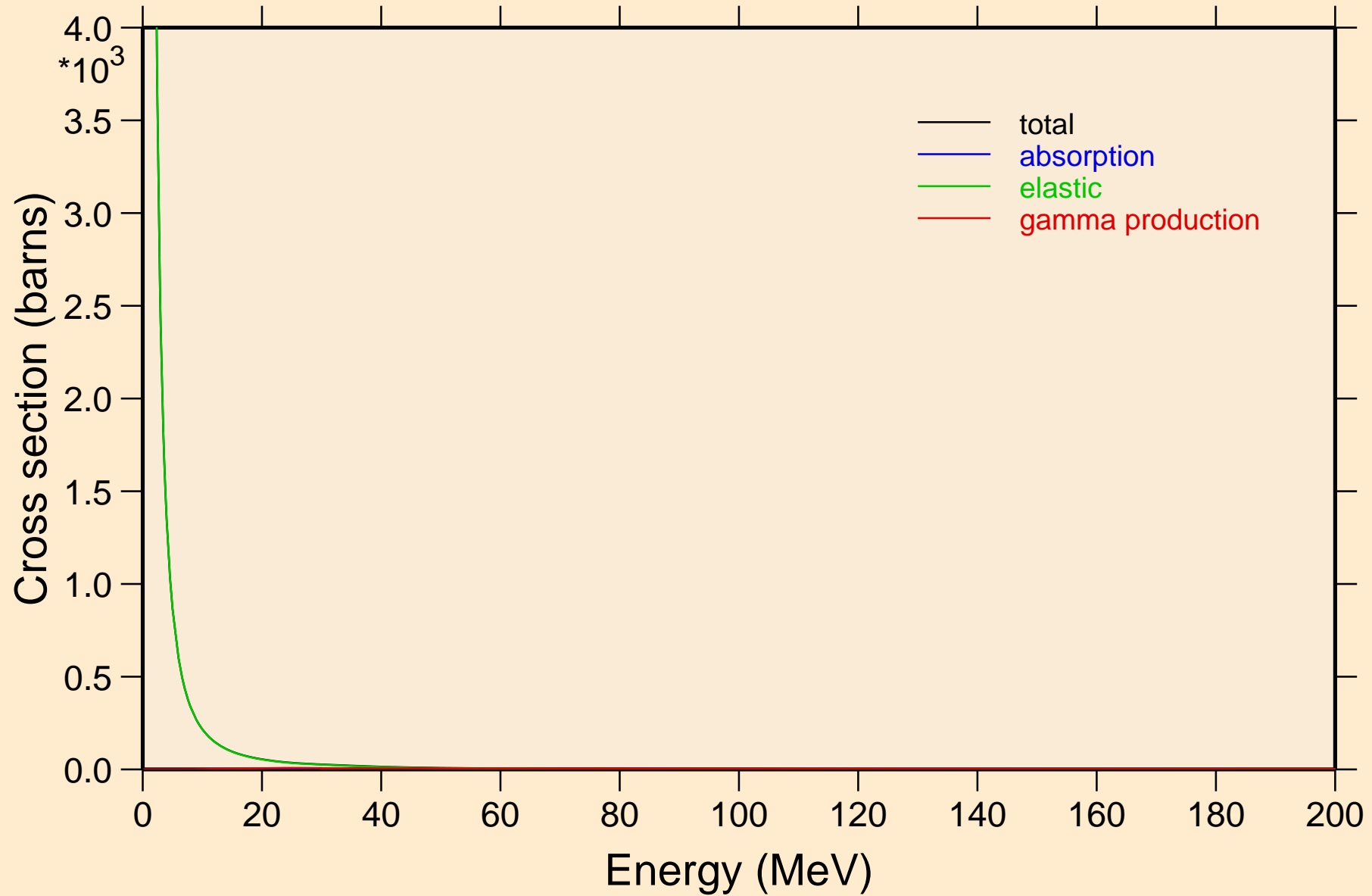
PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K

Heating



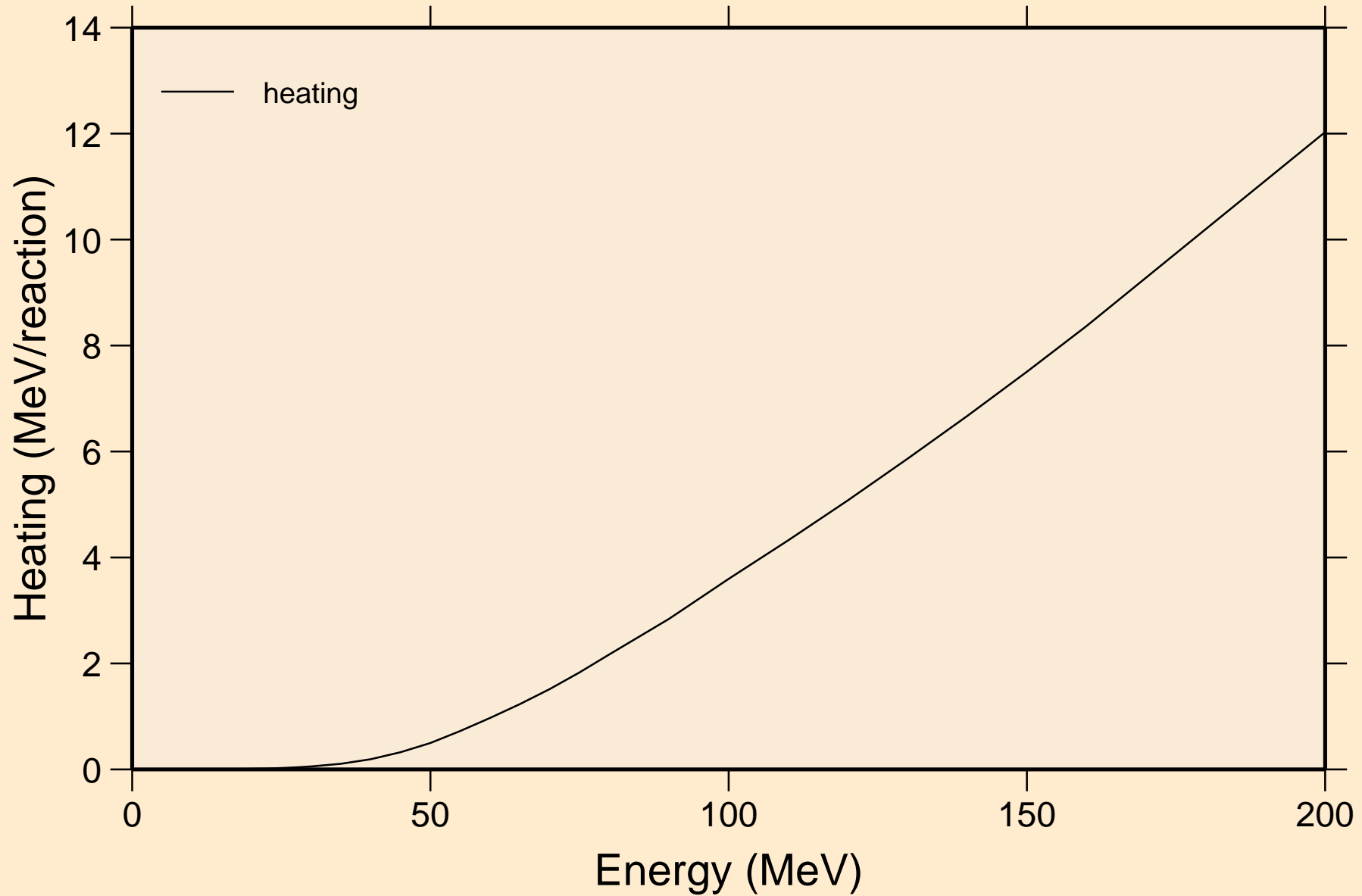
# PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections

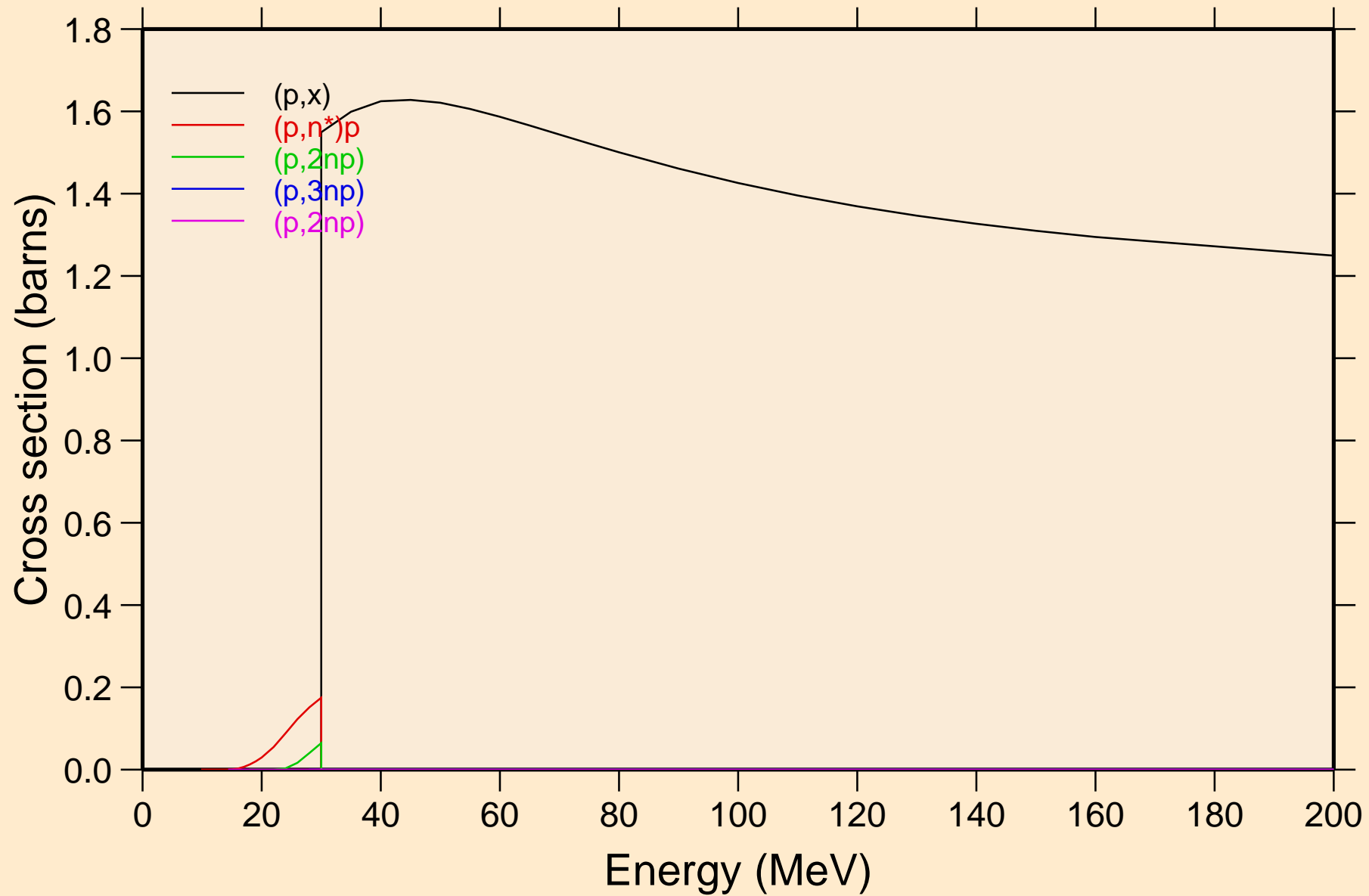


PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K

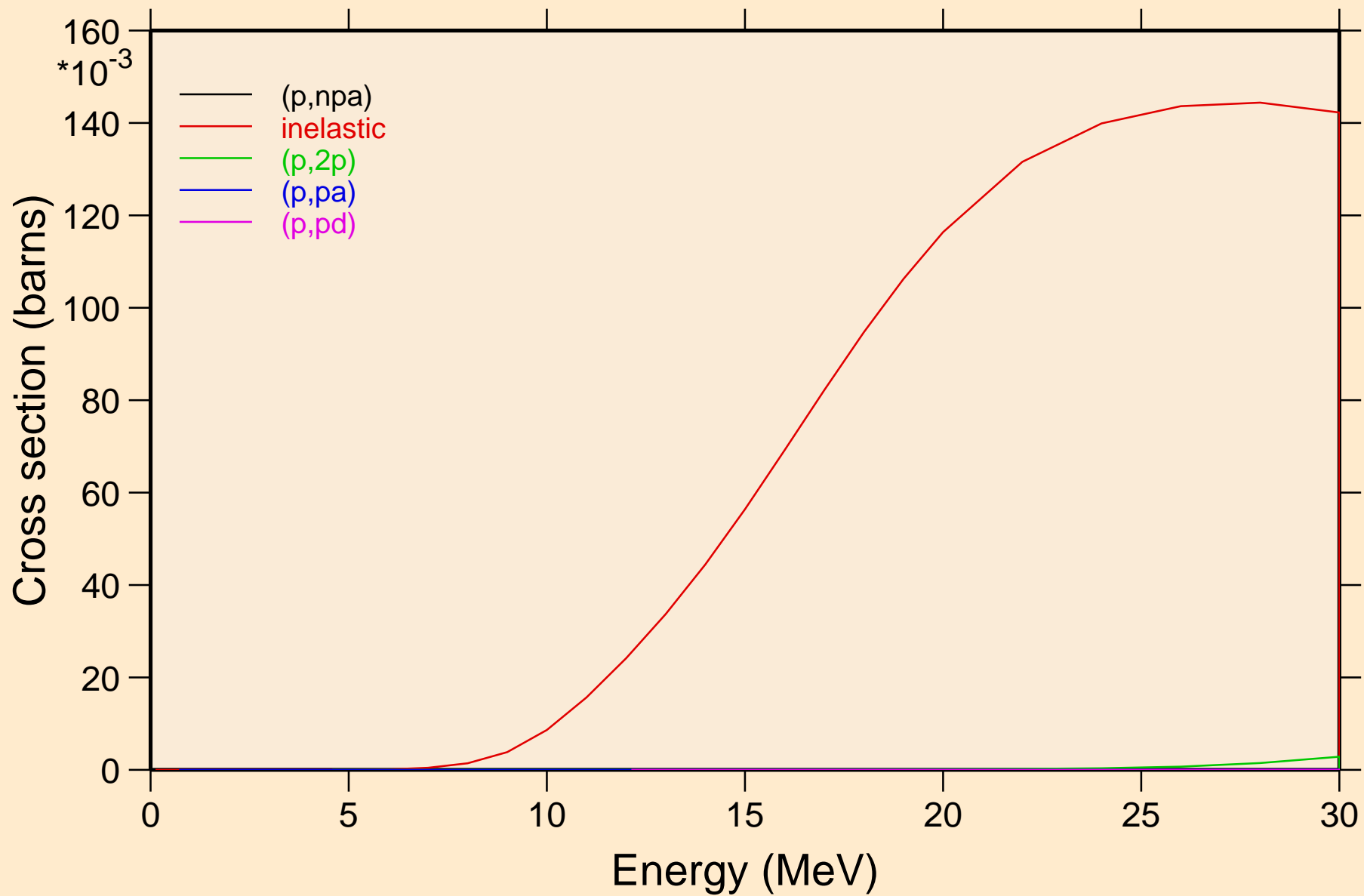
Heating



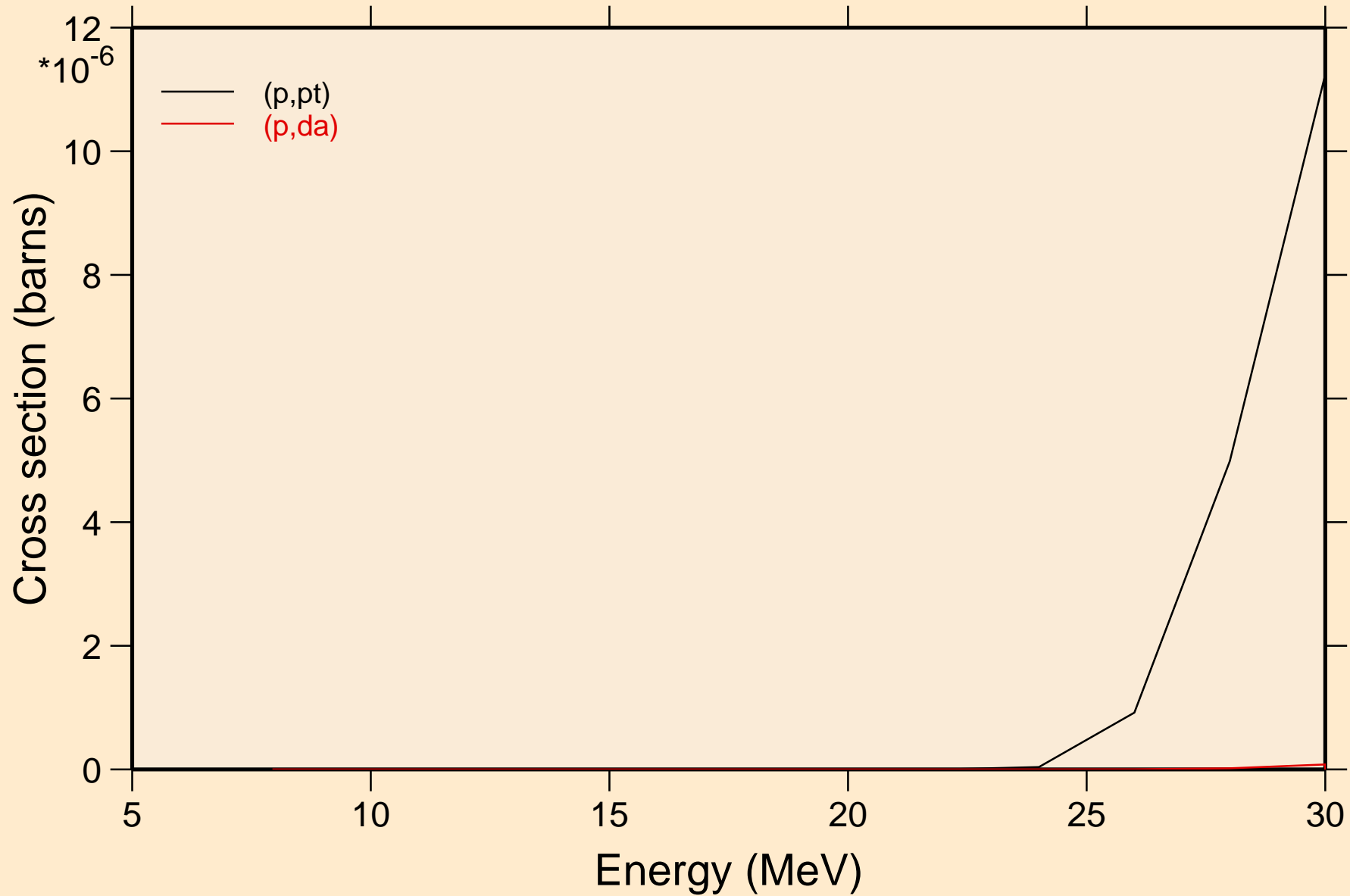
PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



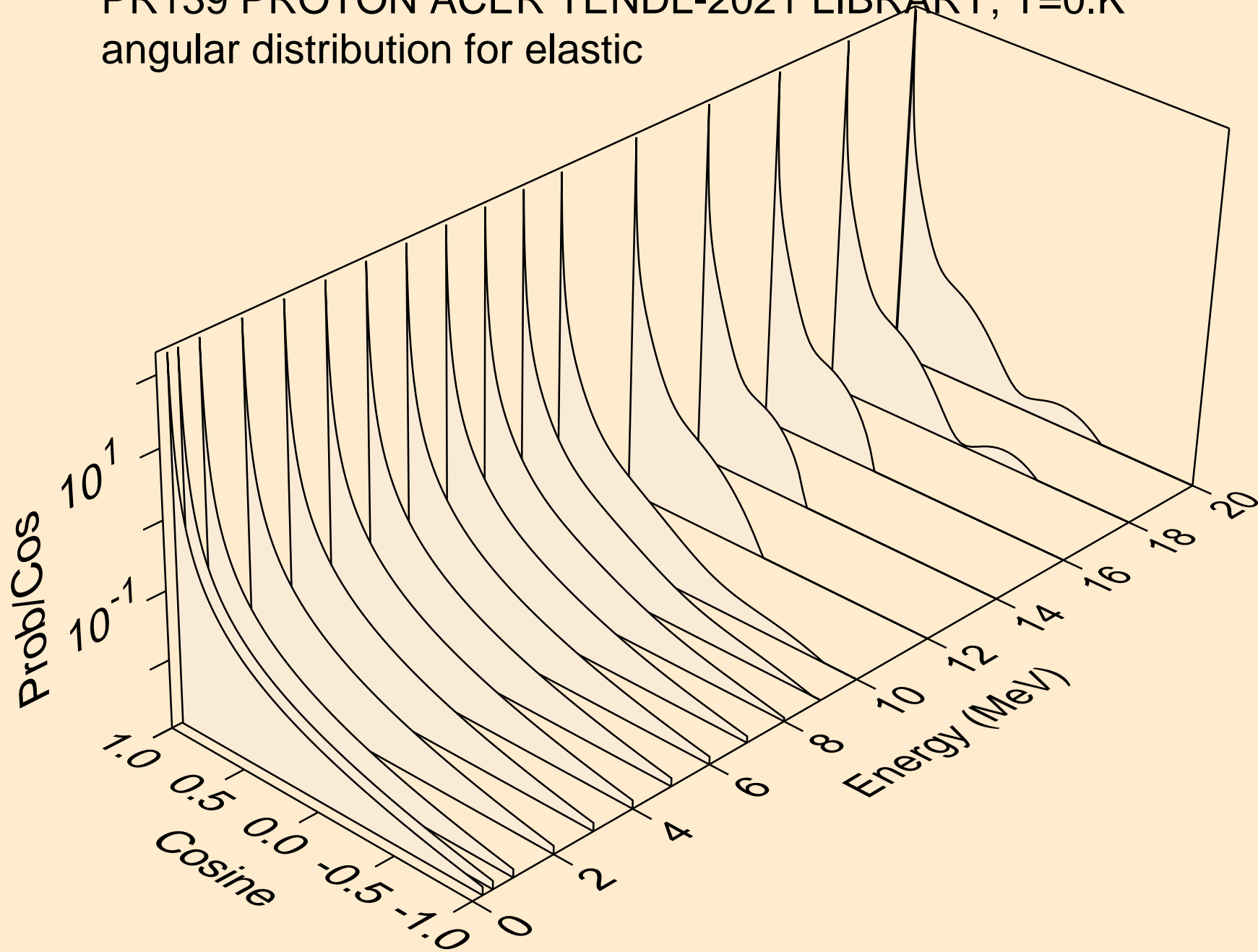
PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

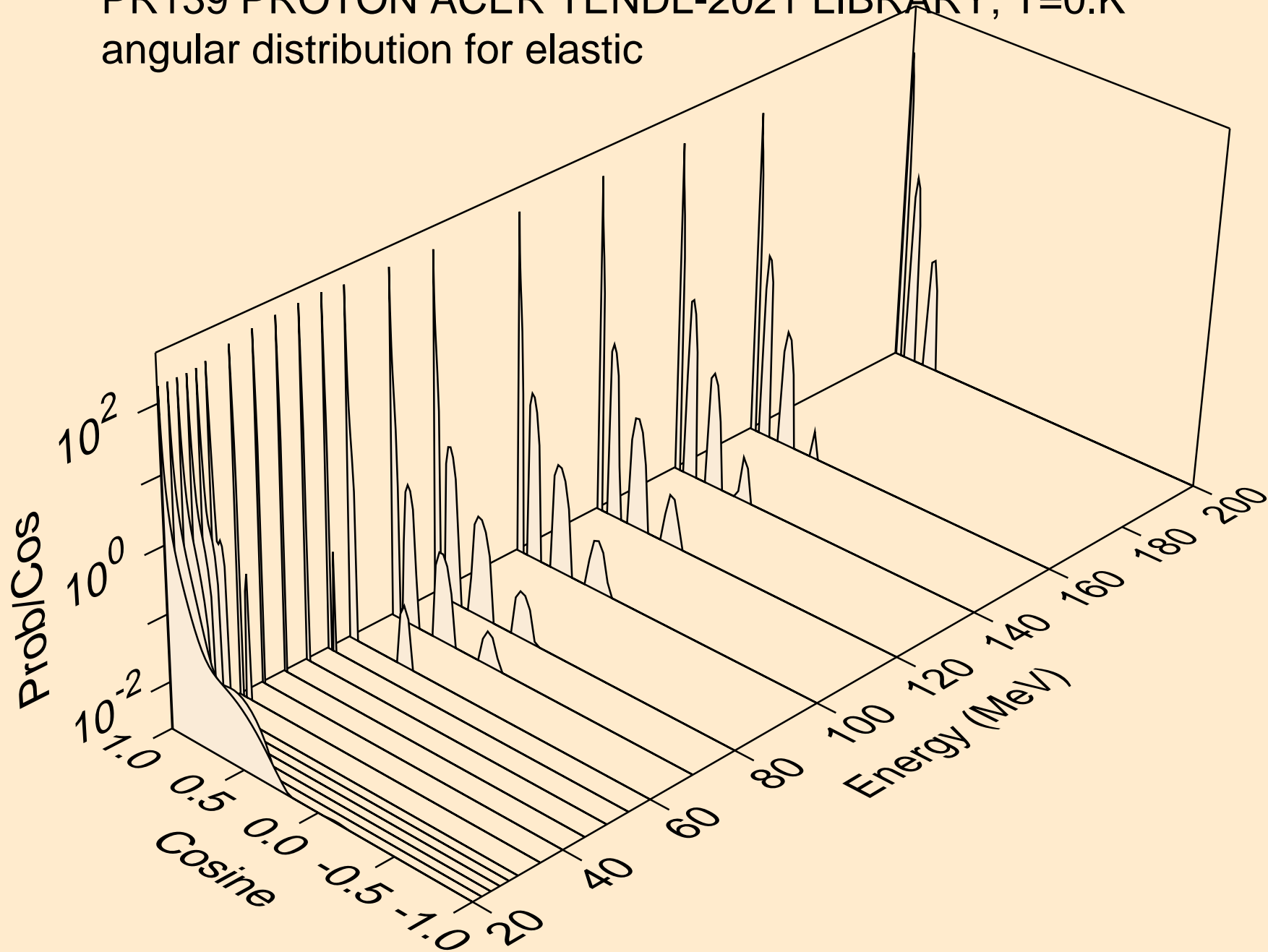


PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic

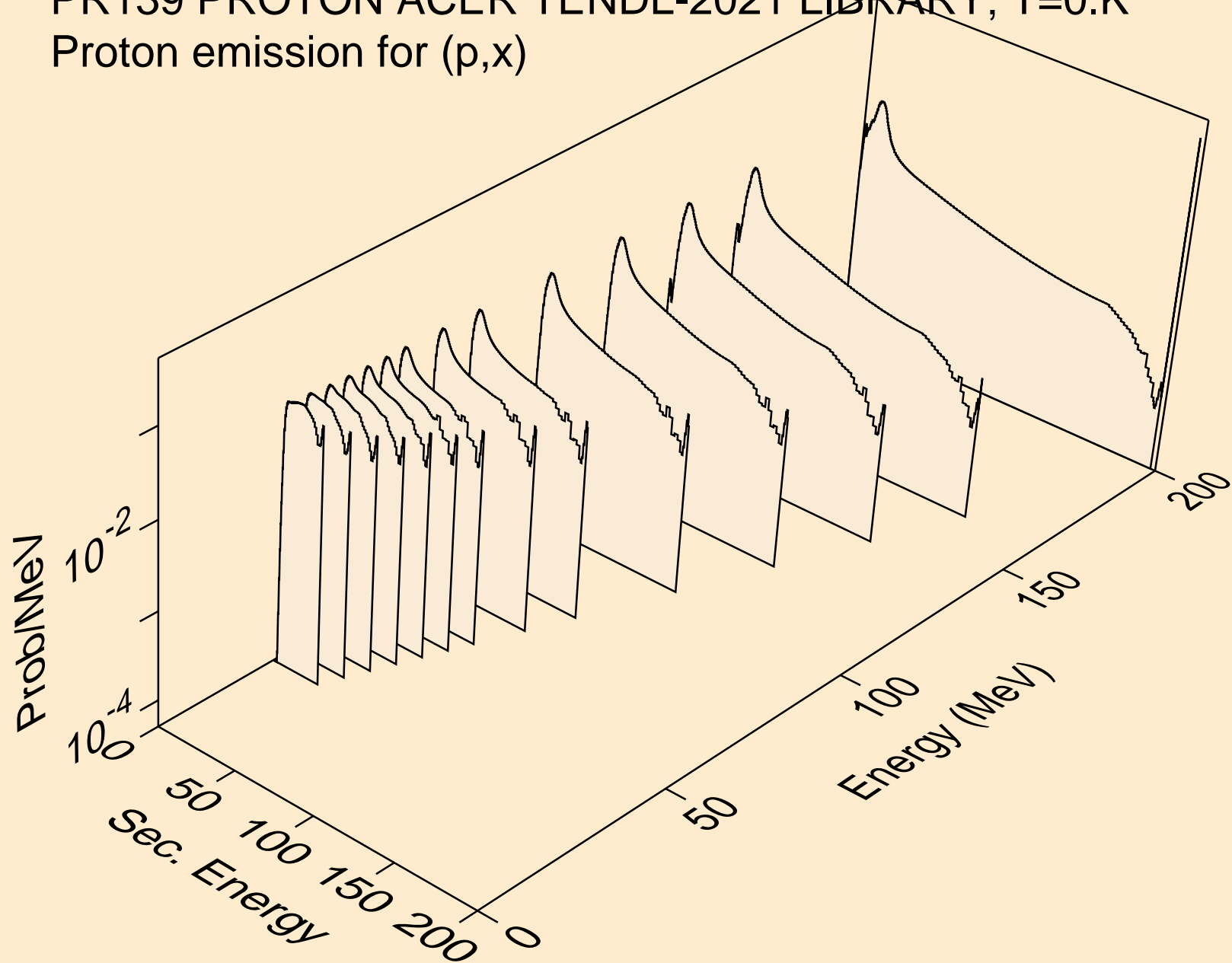




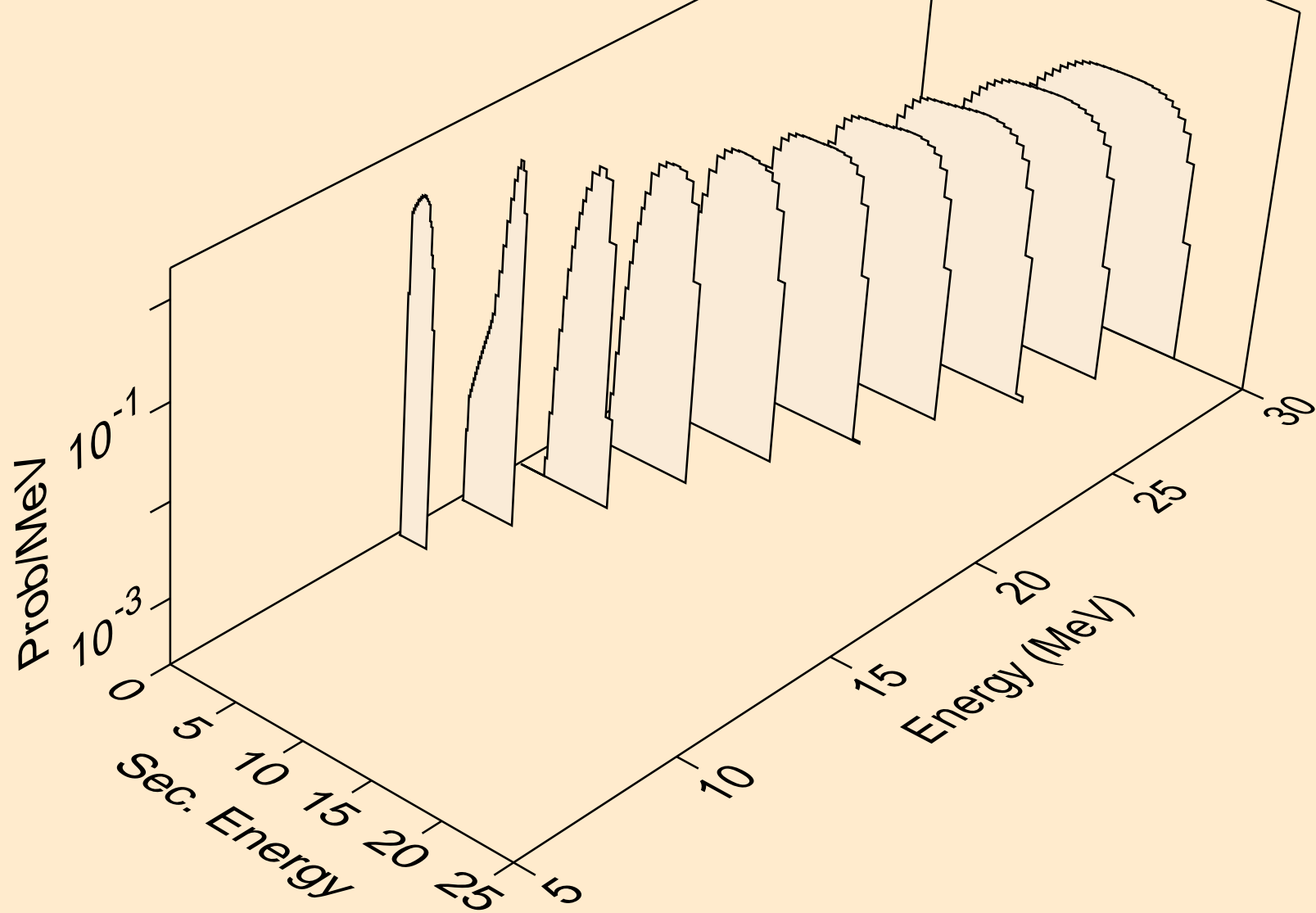
PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



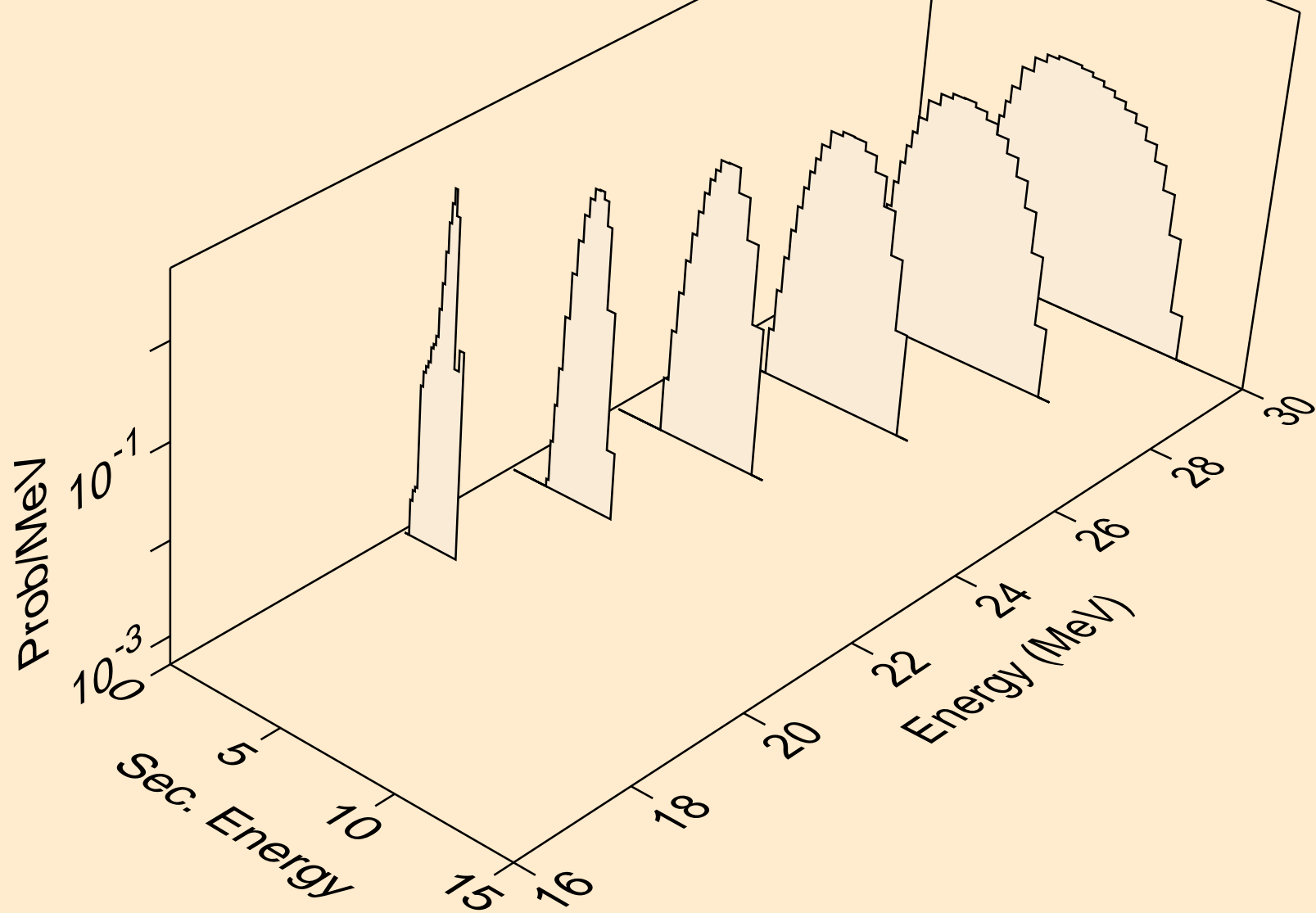
PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,x)



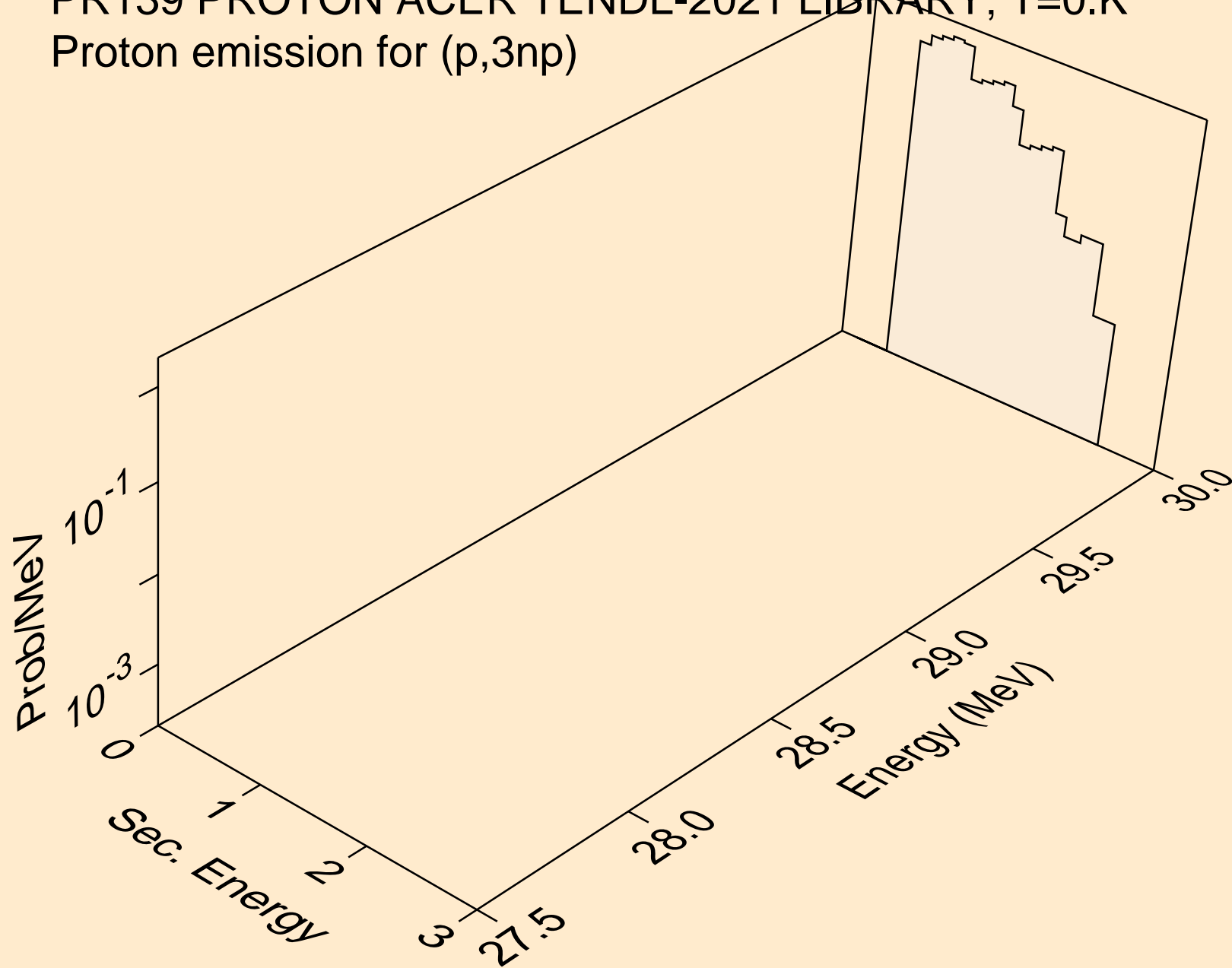
PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



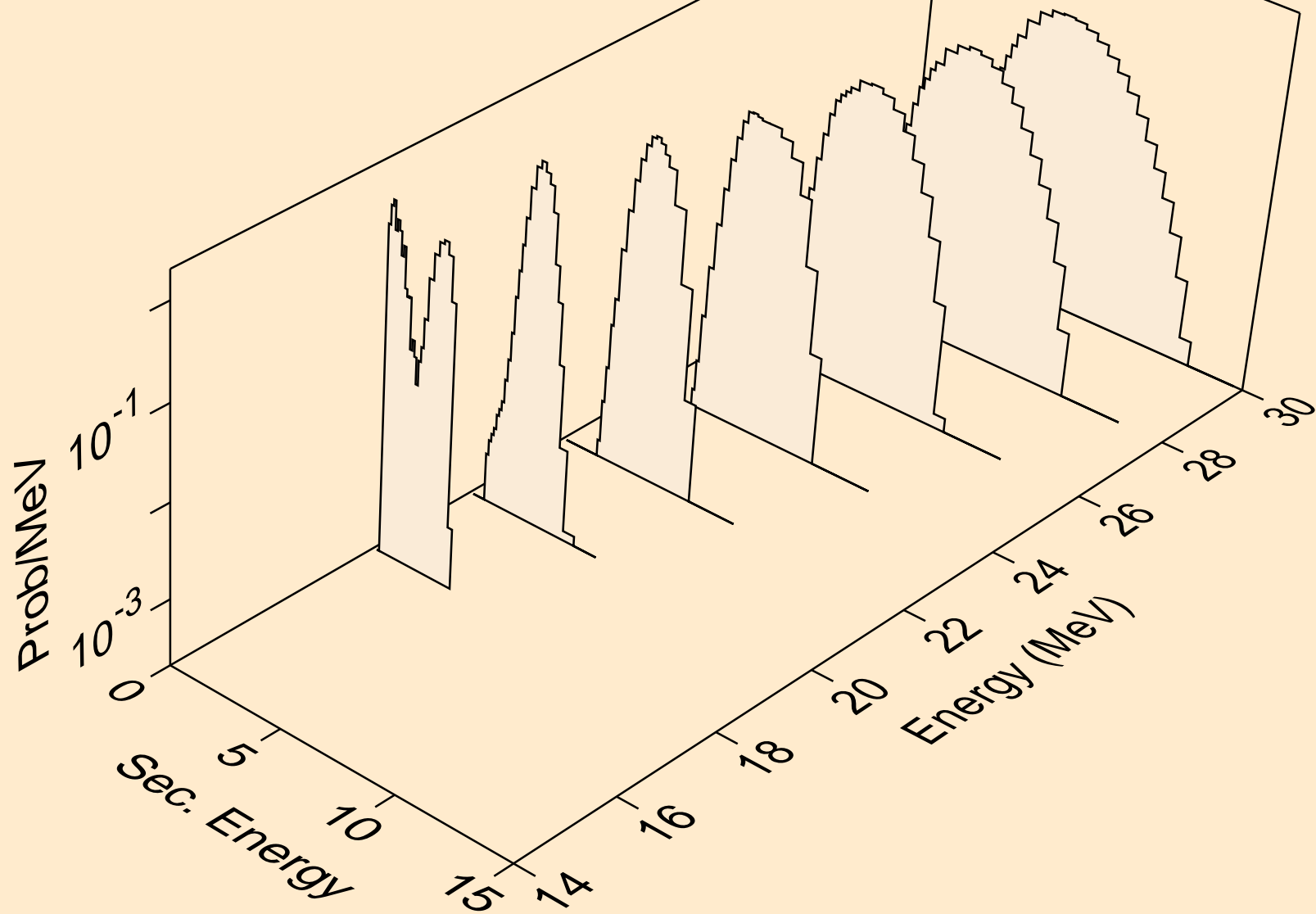
PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)



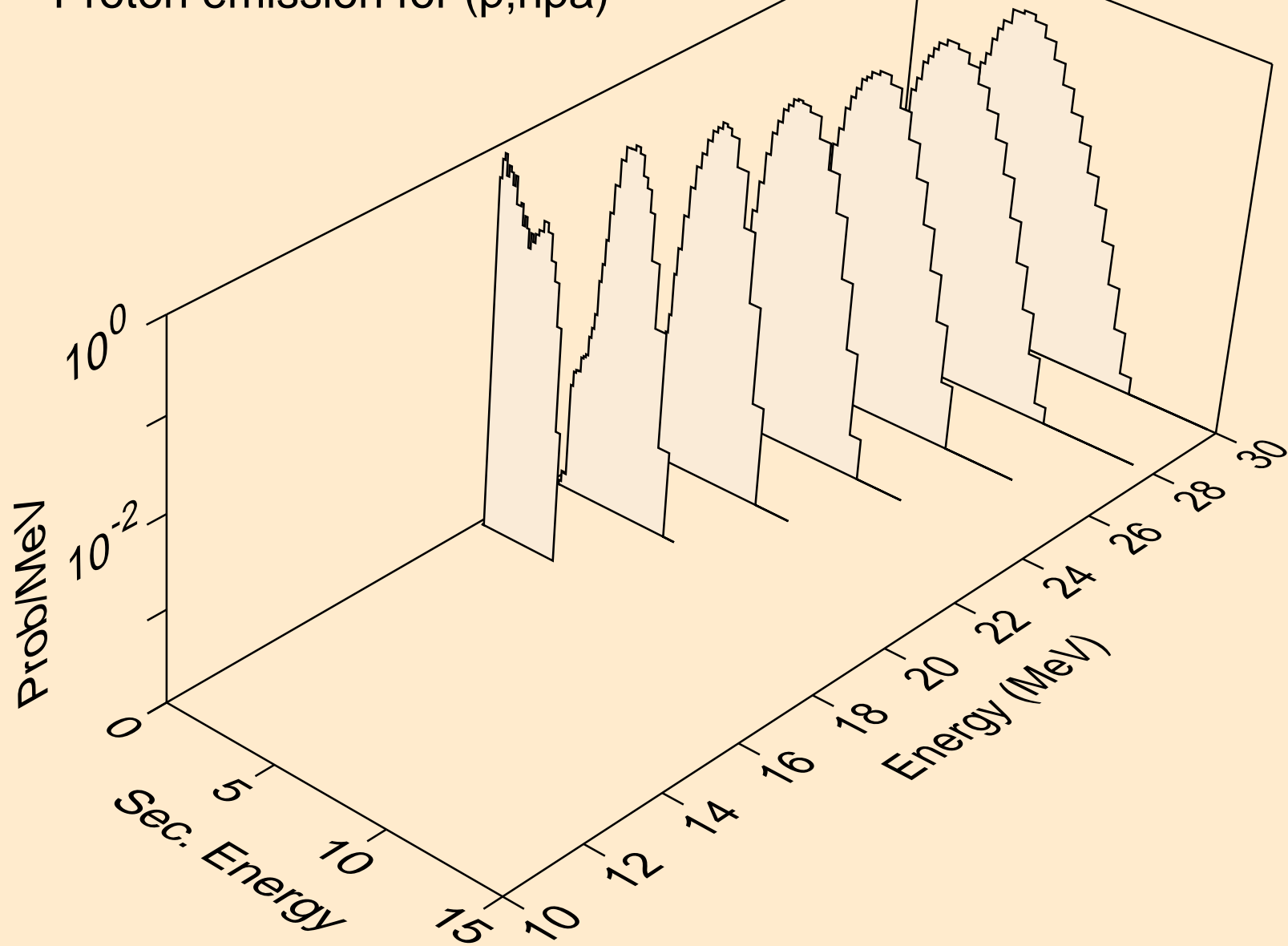
PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,3np)



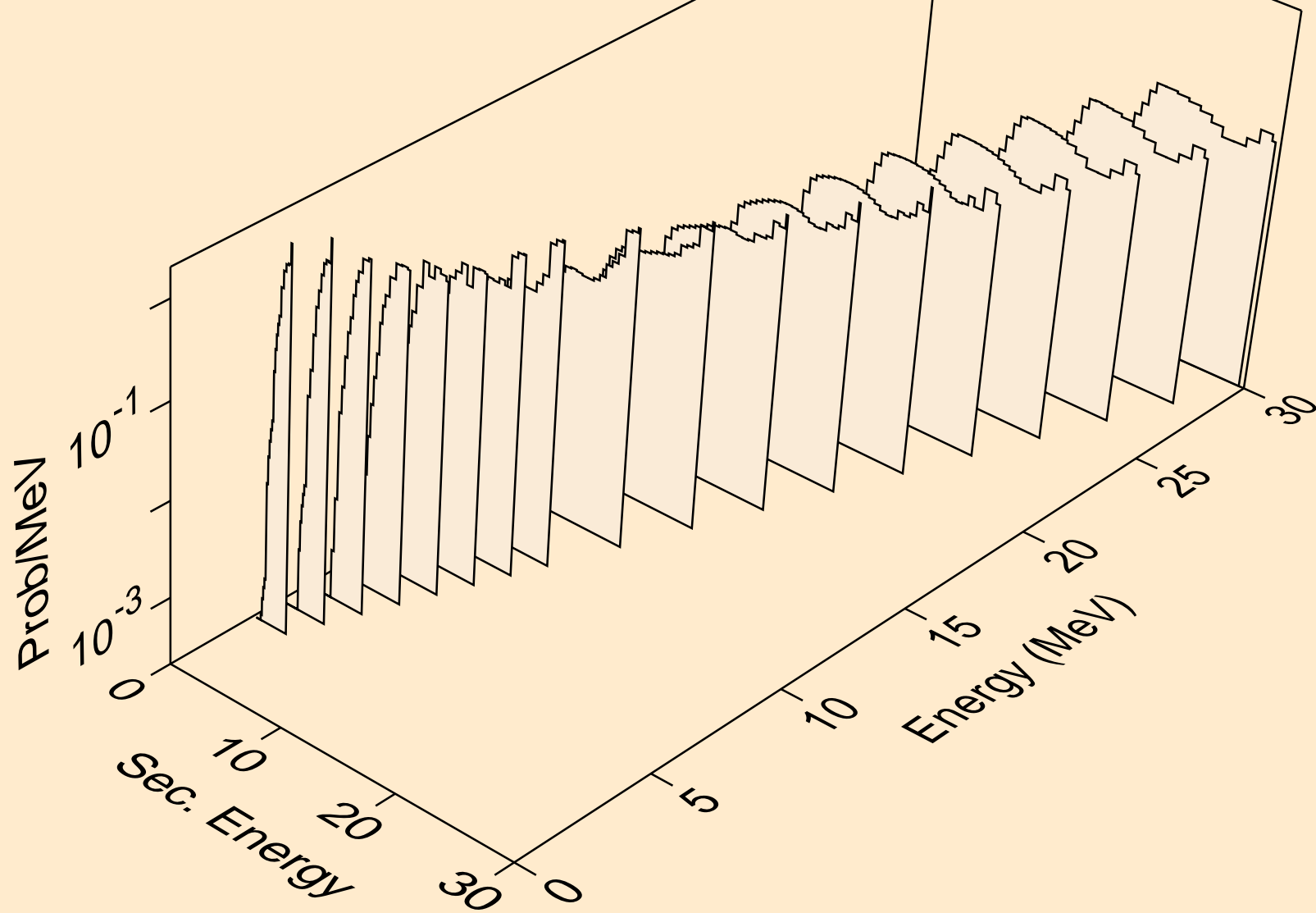
PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)



PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,npa)

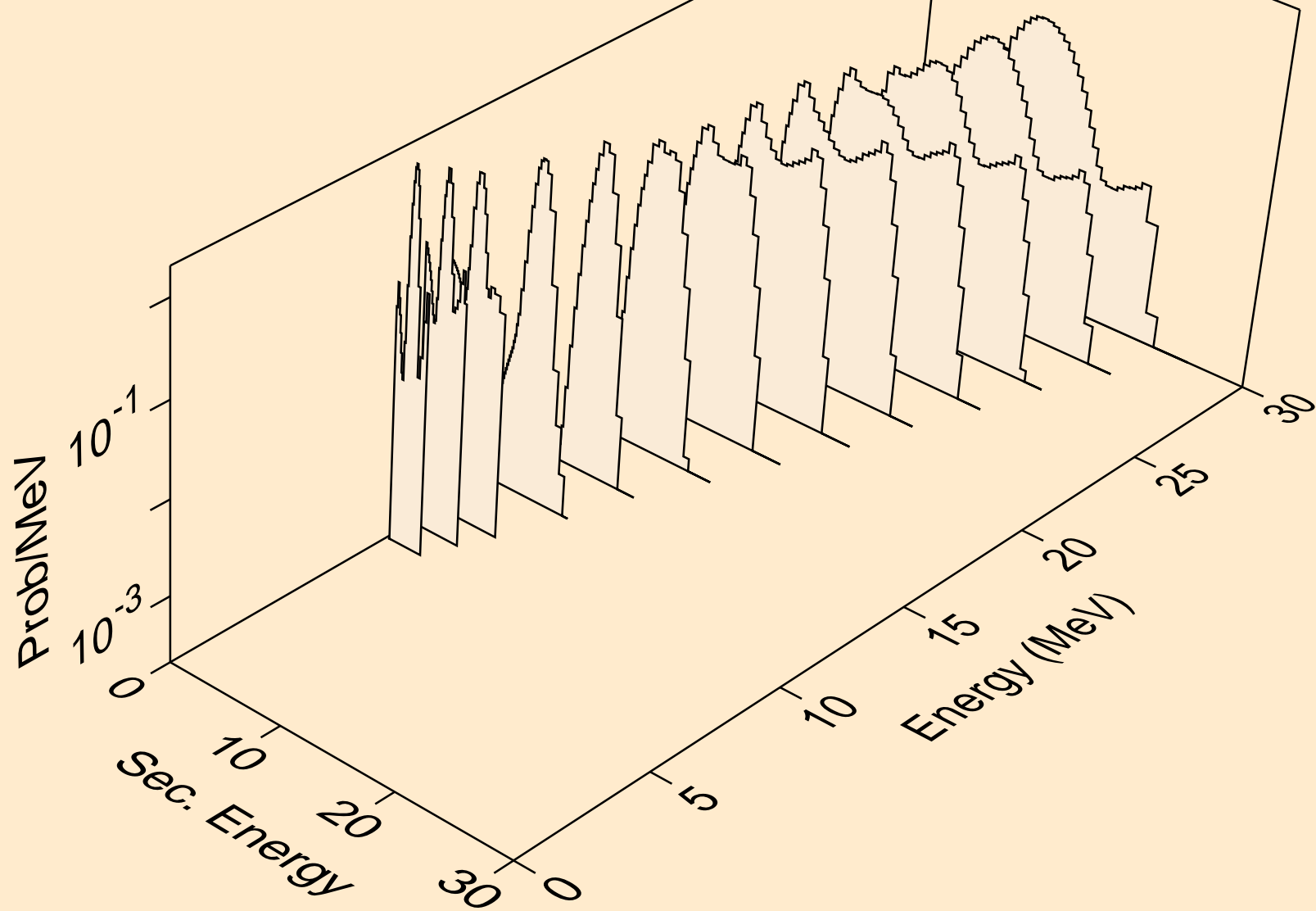


PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for inelastic

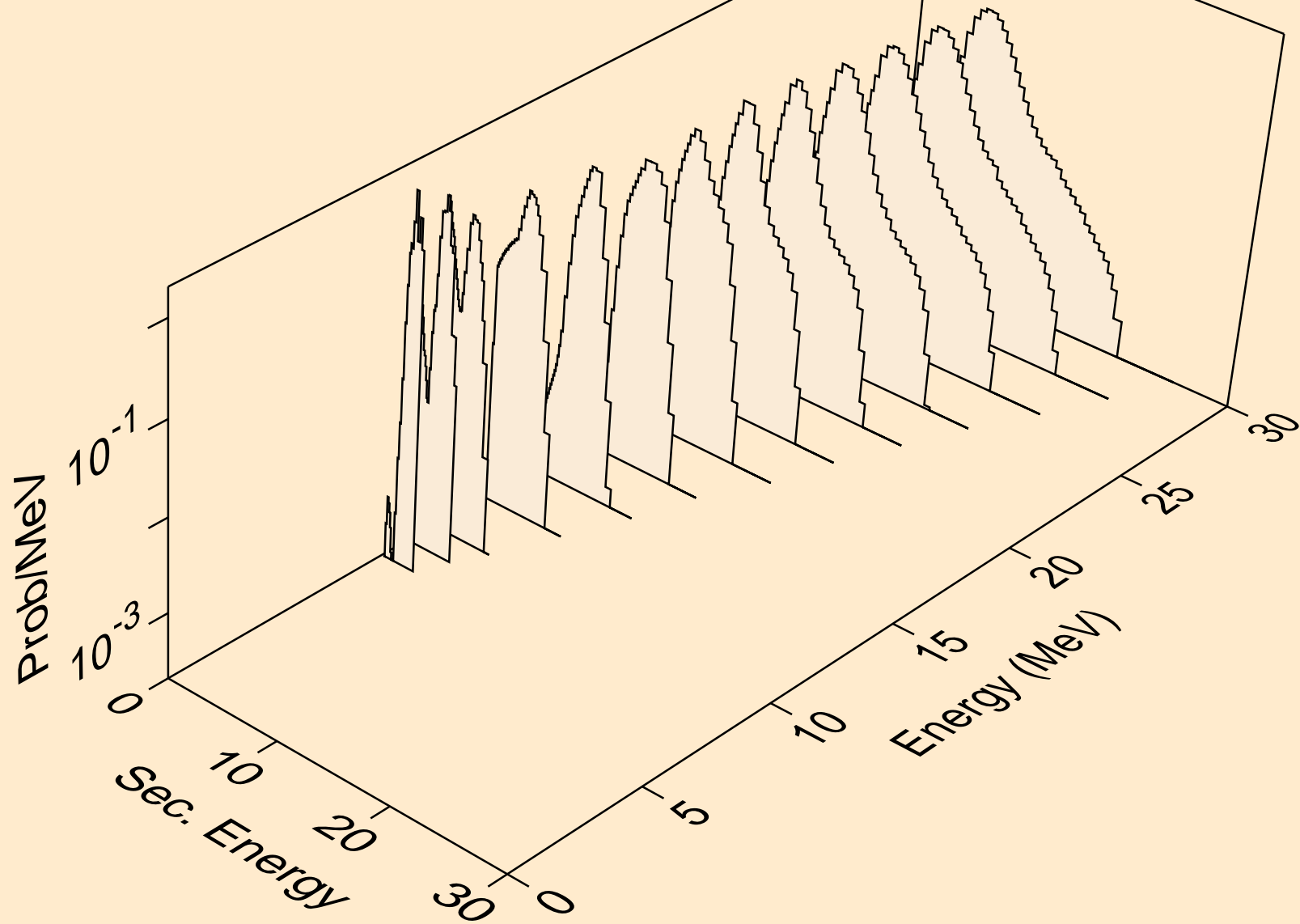




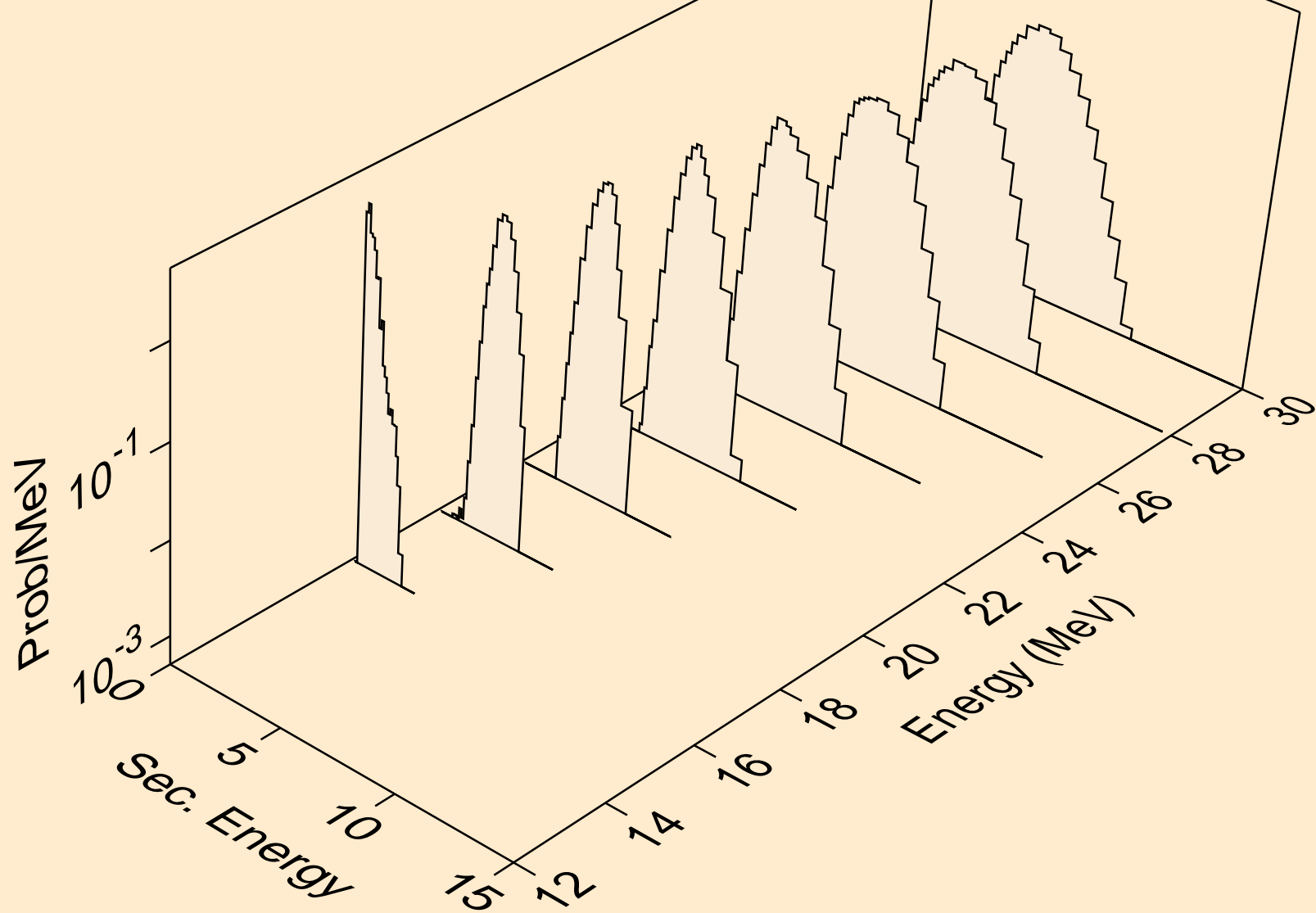
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Proton emission for (p,2p)



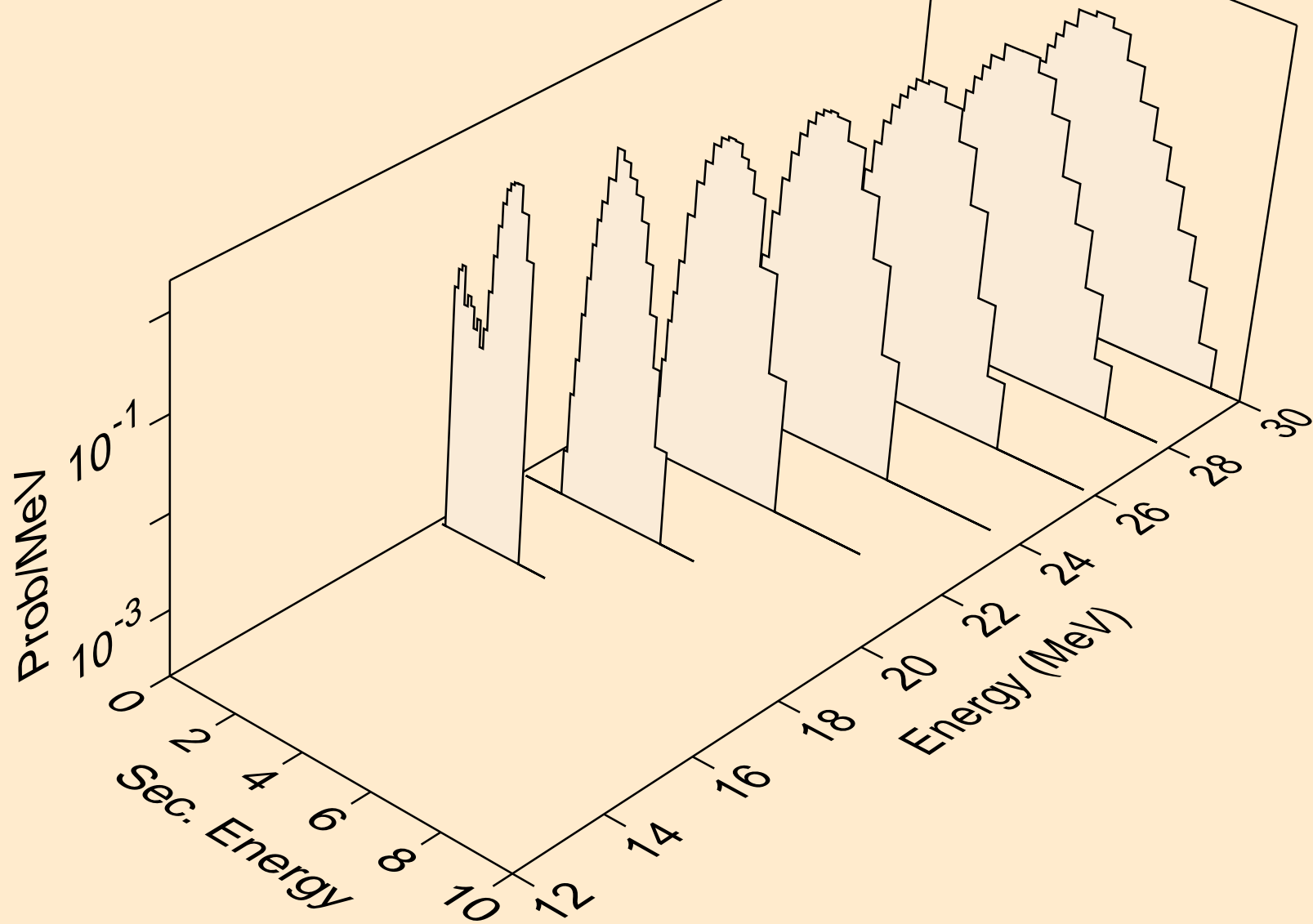
PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pa)



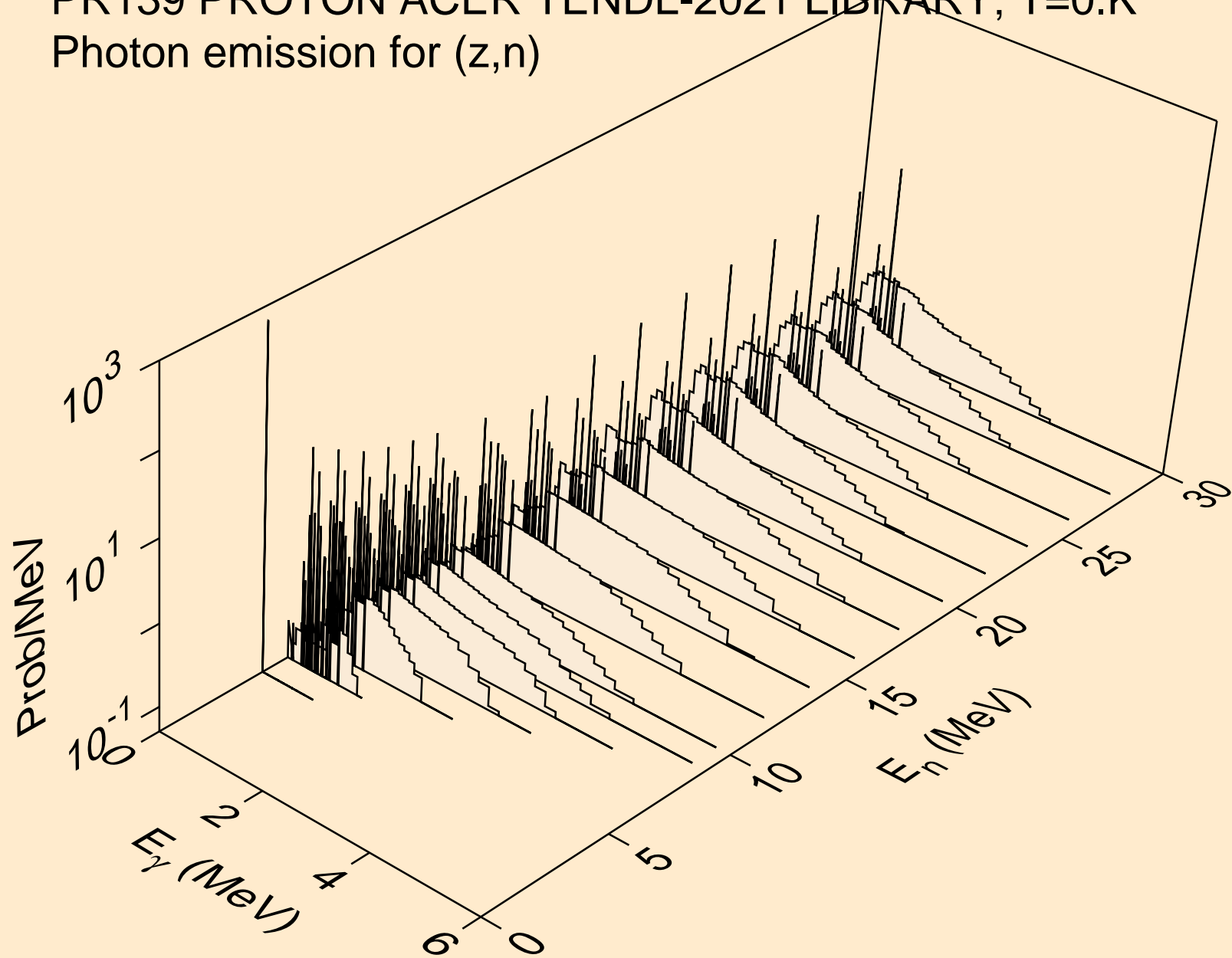
PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pd)



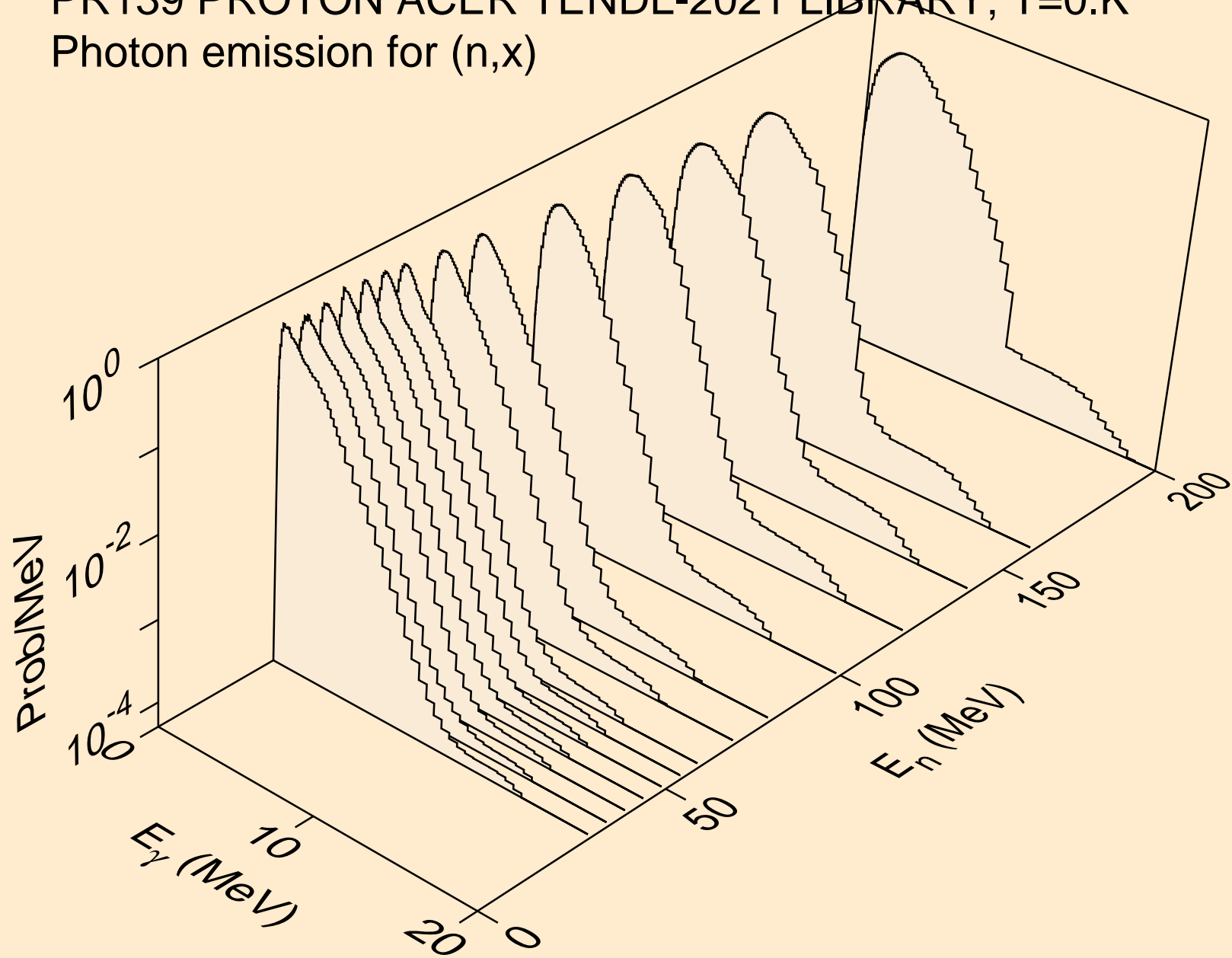
PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pt)



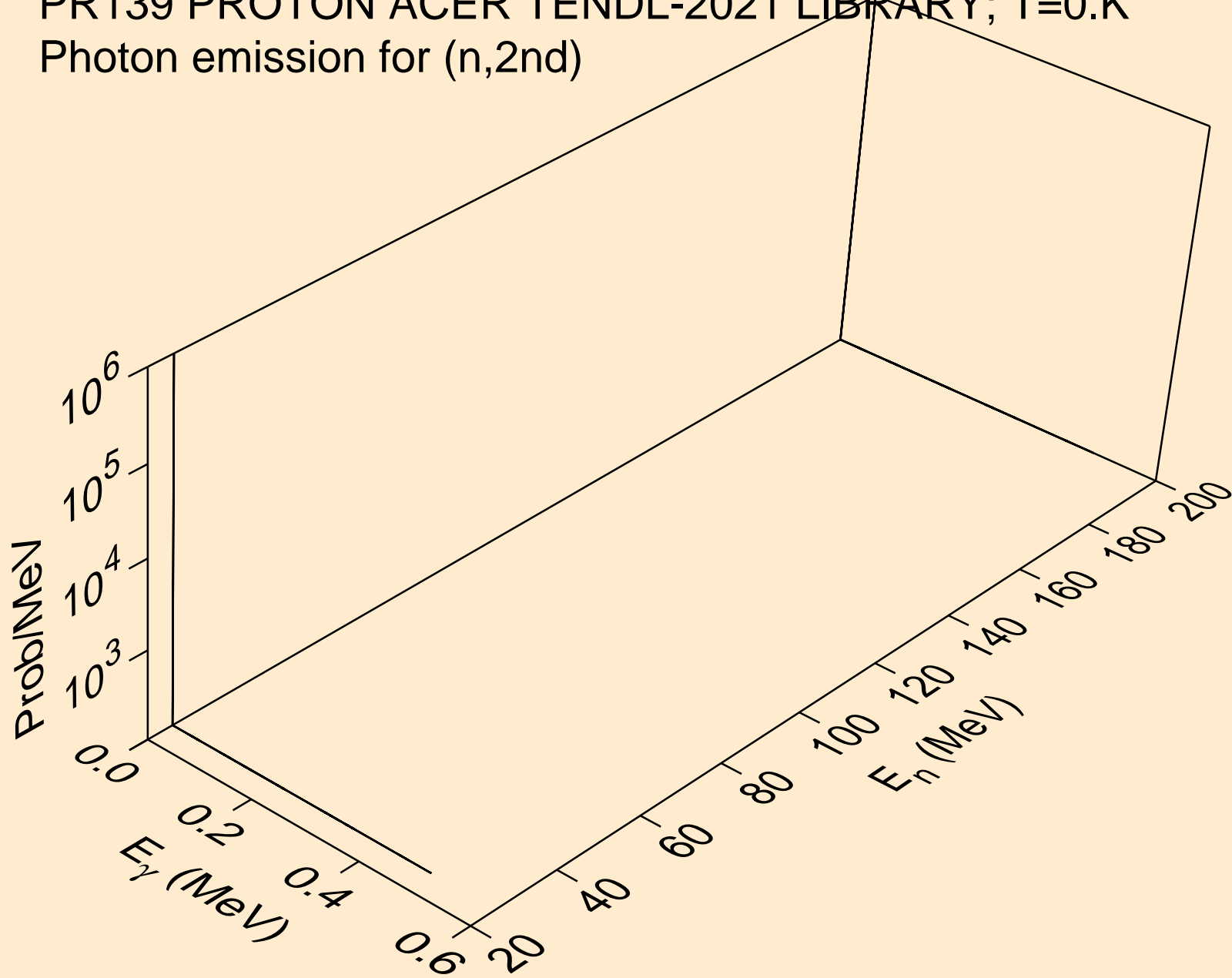
PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)



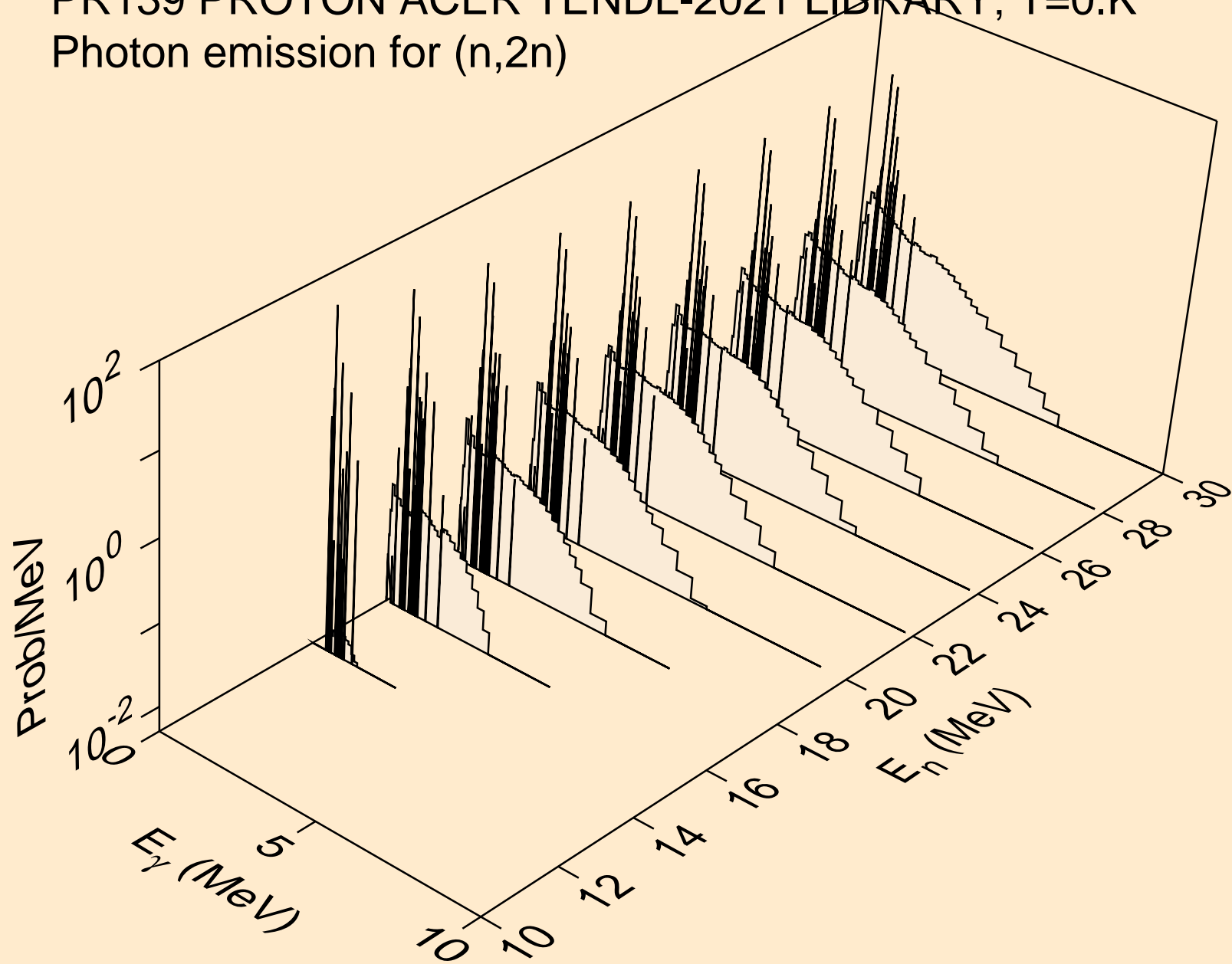
PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2nd)

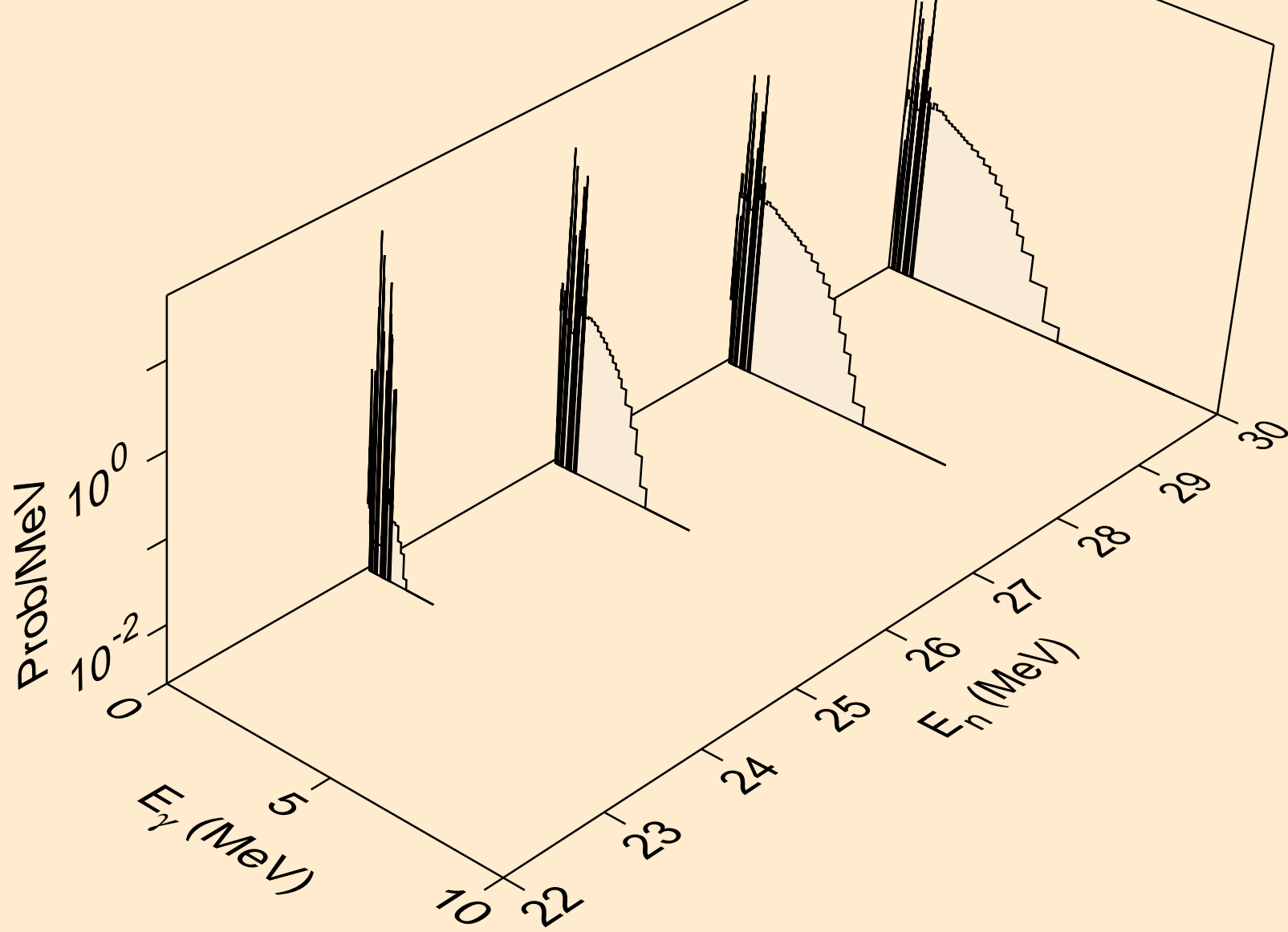


PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)

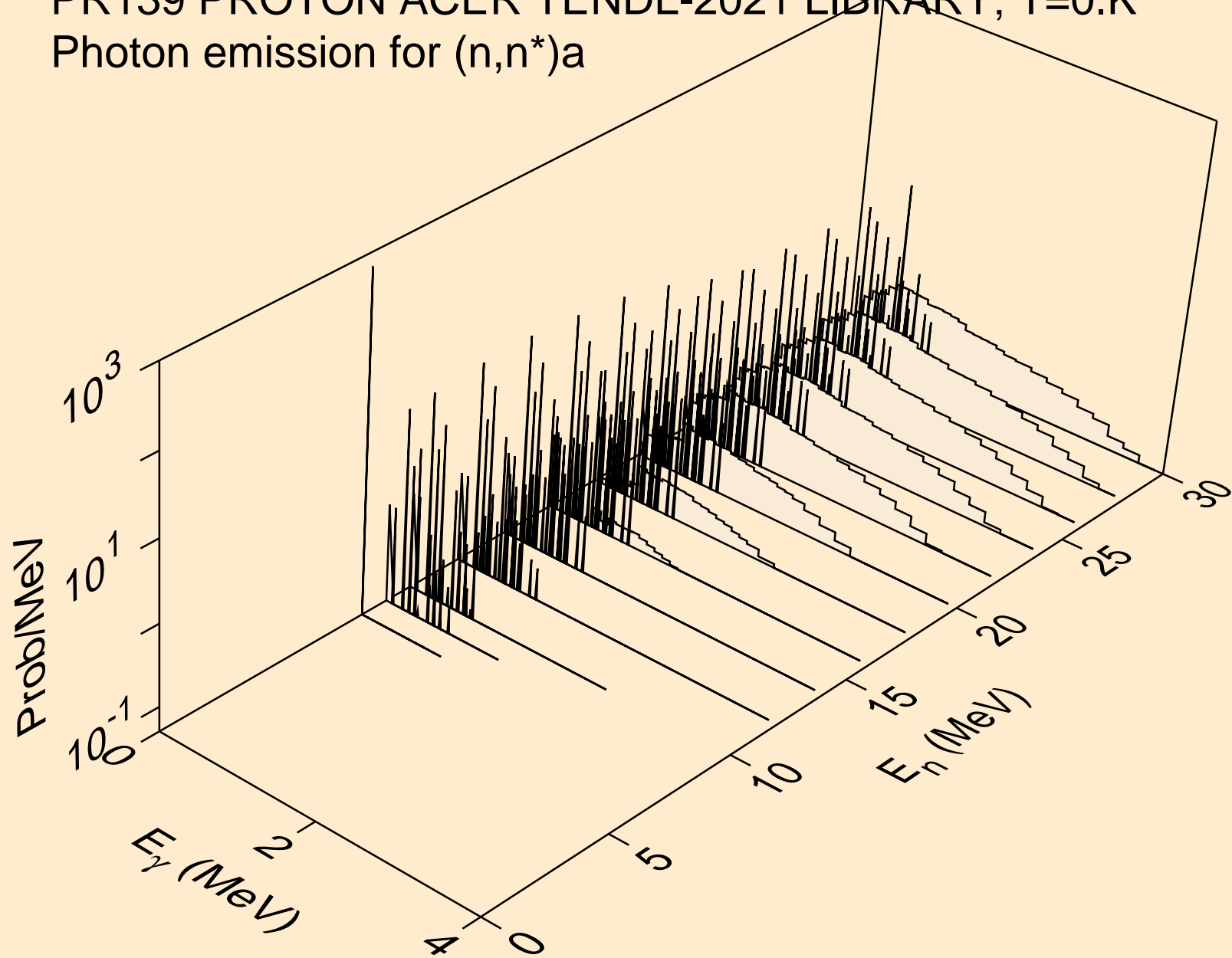




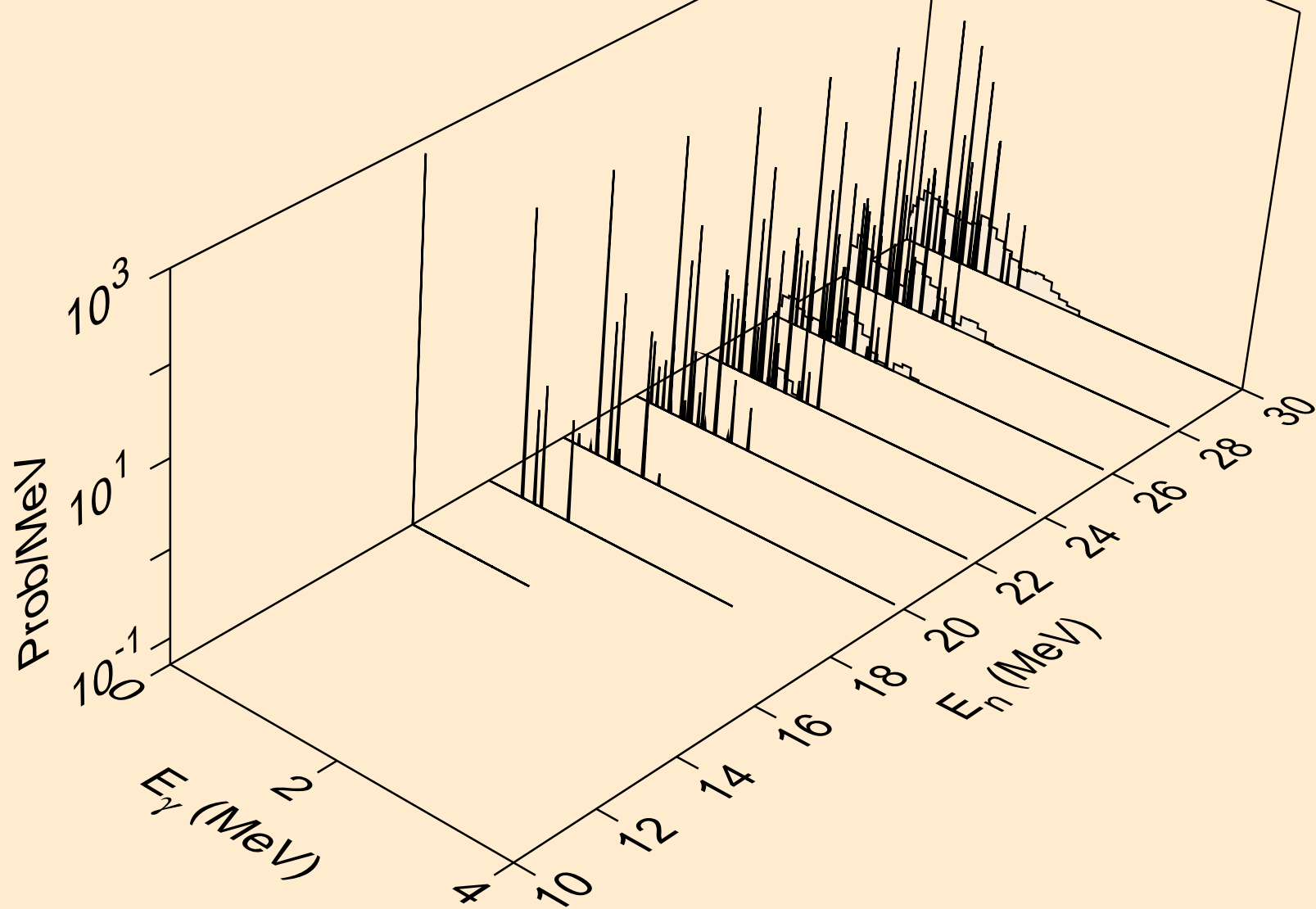
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Photon emission for (n,3n)



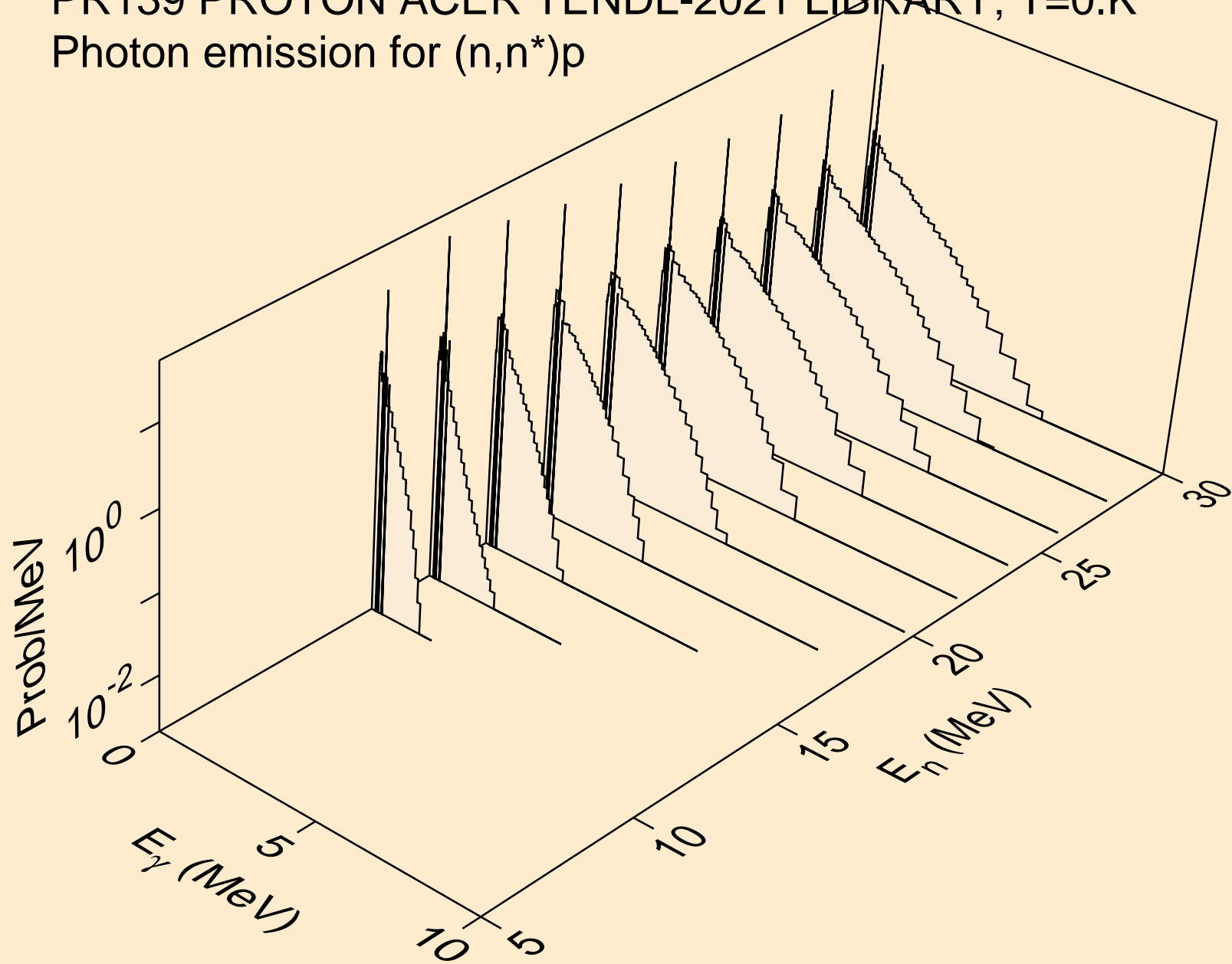
PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



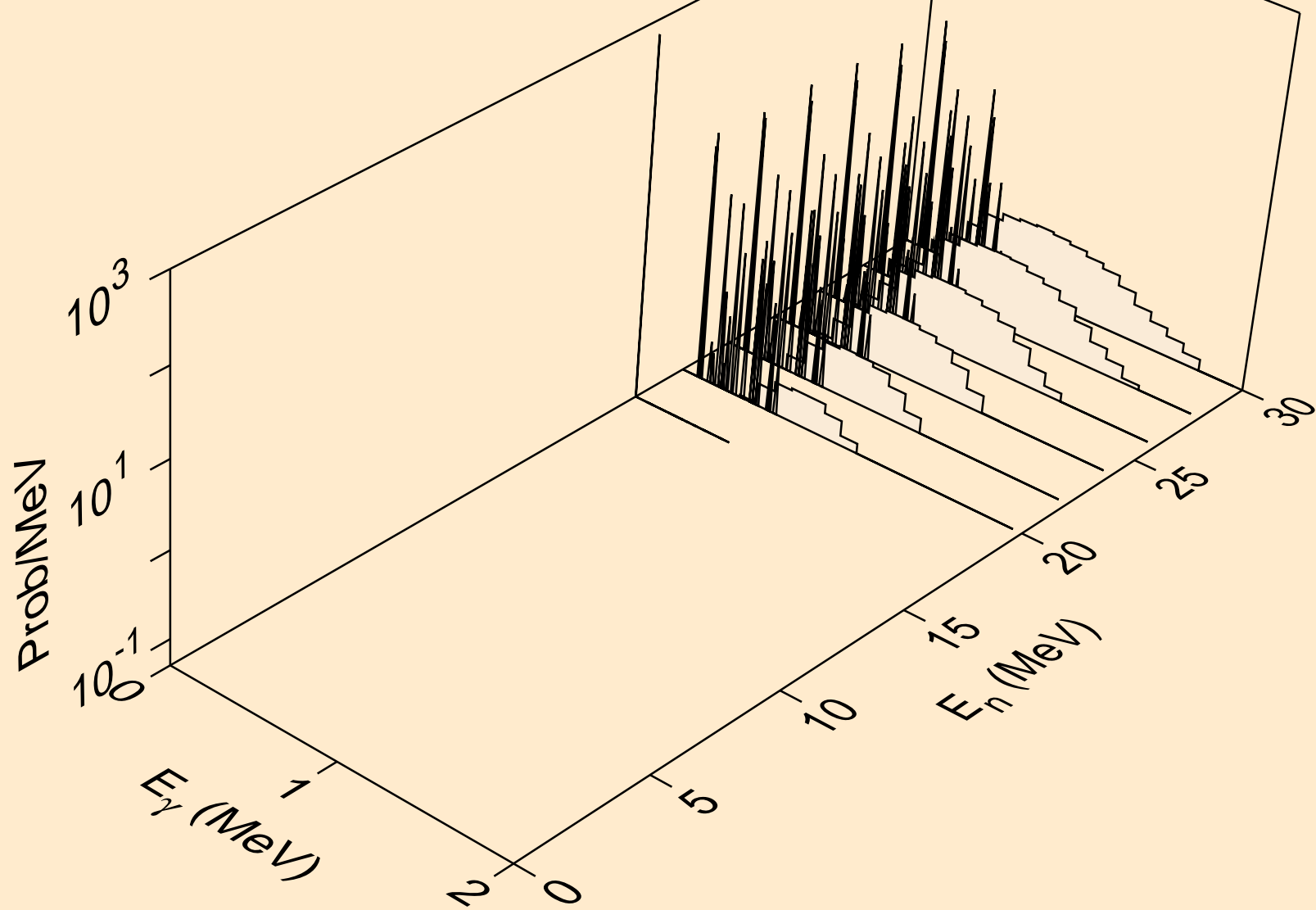
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Photon emission for (n,2n)a



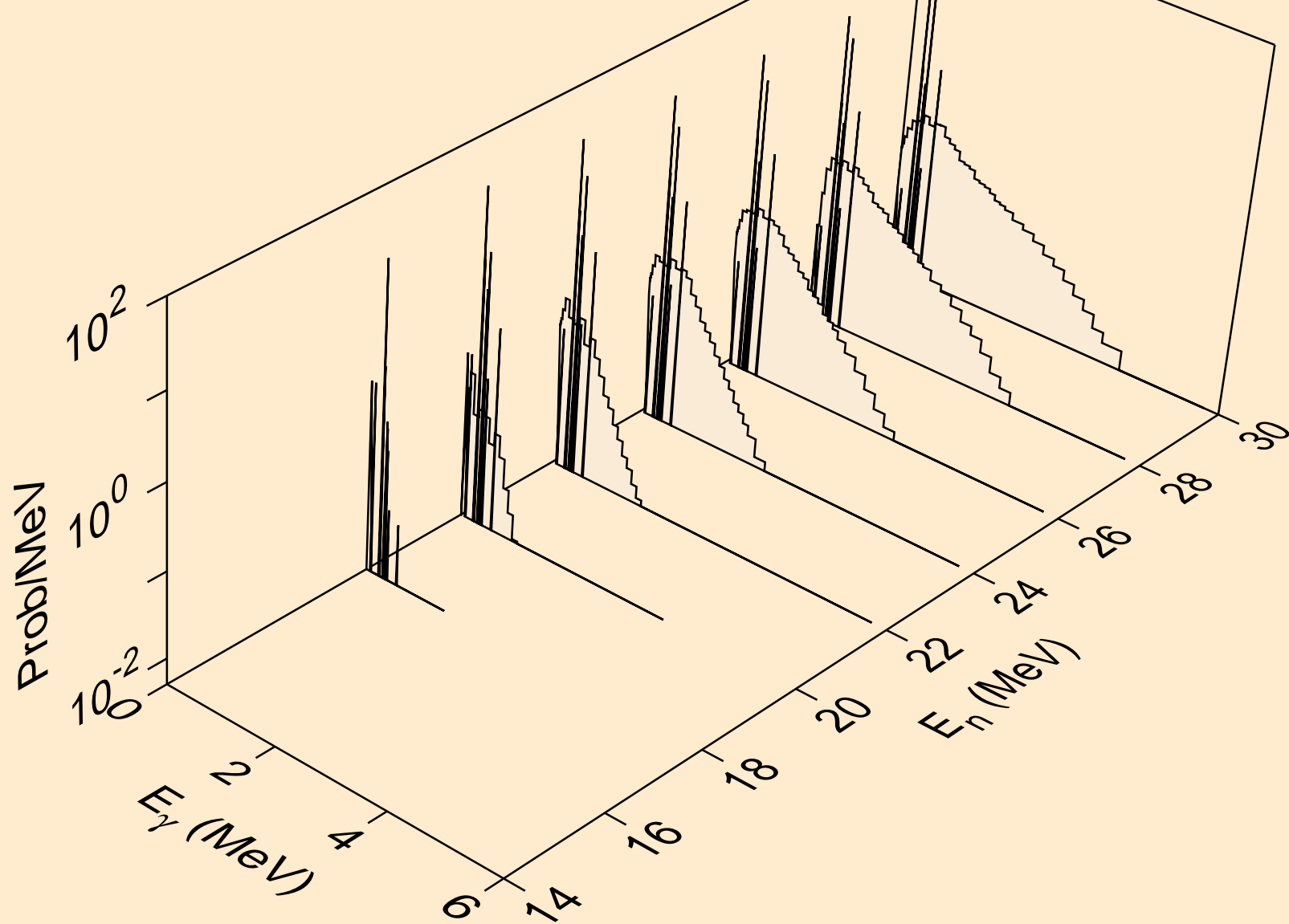
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Photon emission for (n,n\*)p



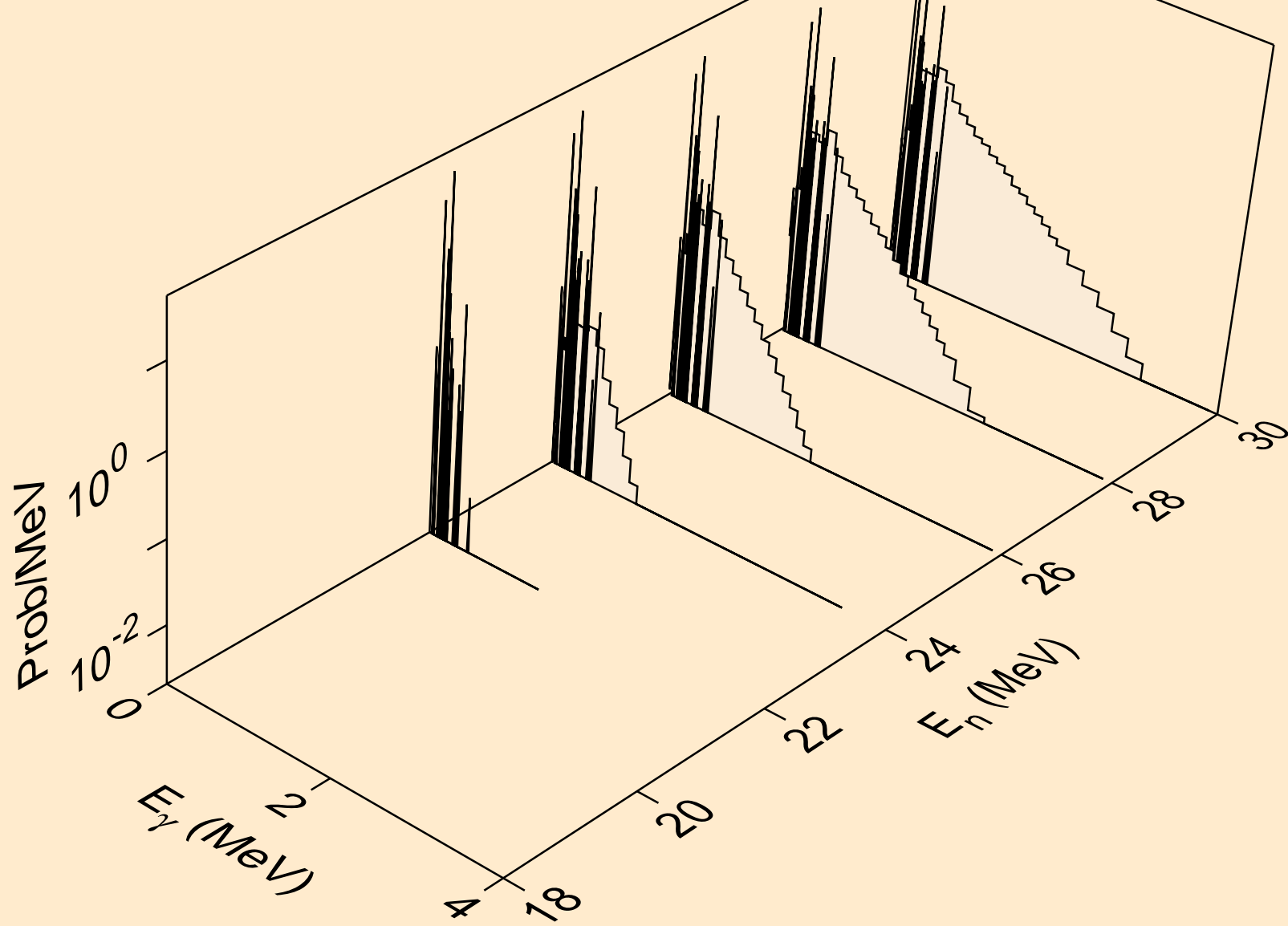
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Photon emission for (n,n\*)2a



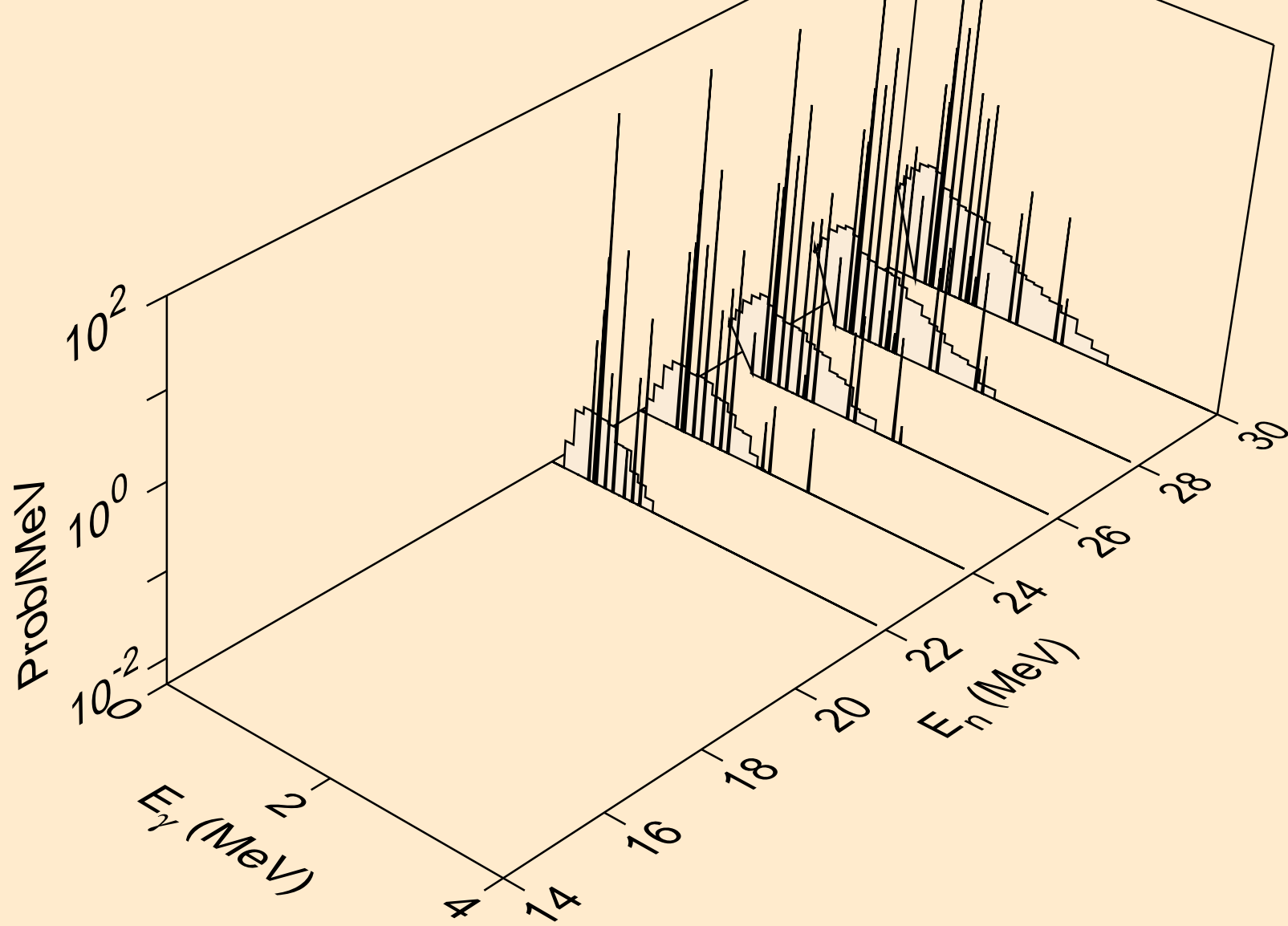
PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

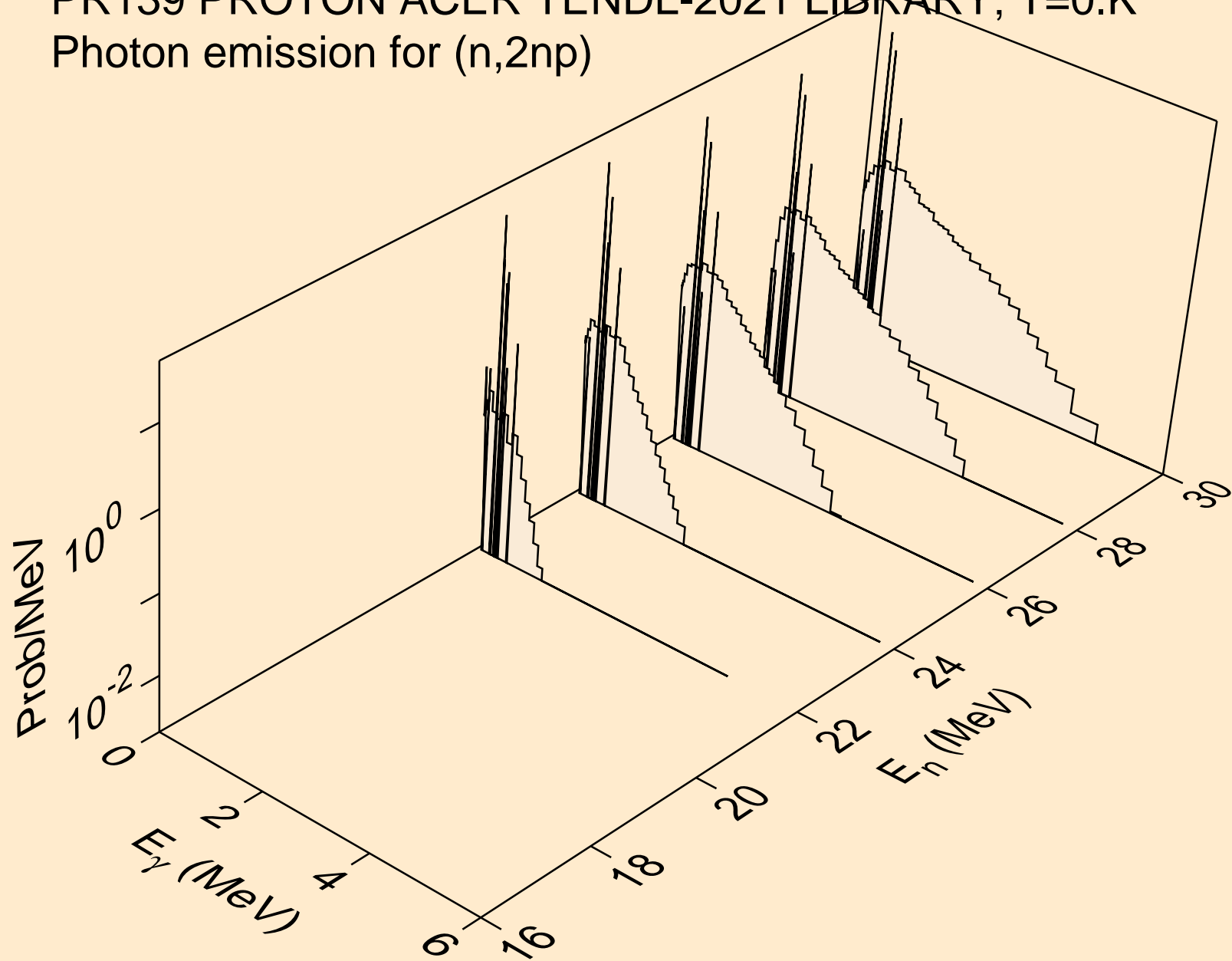


PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

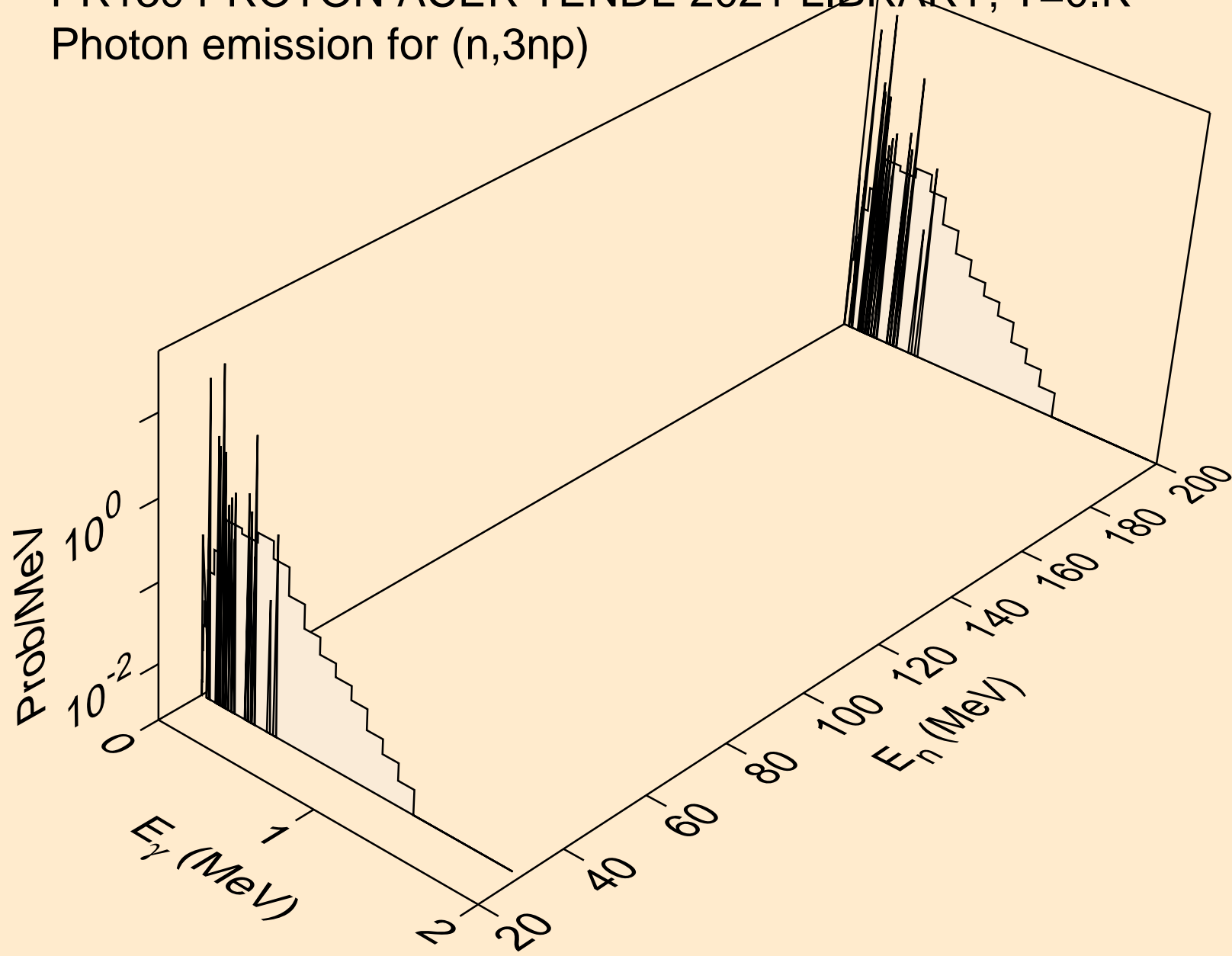




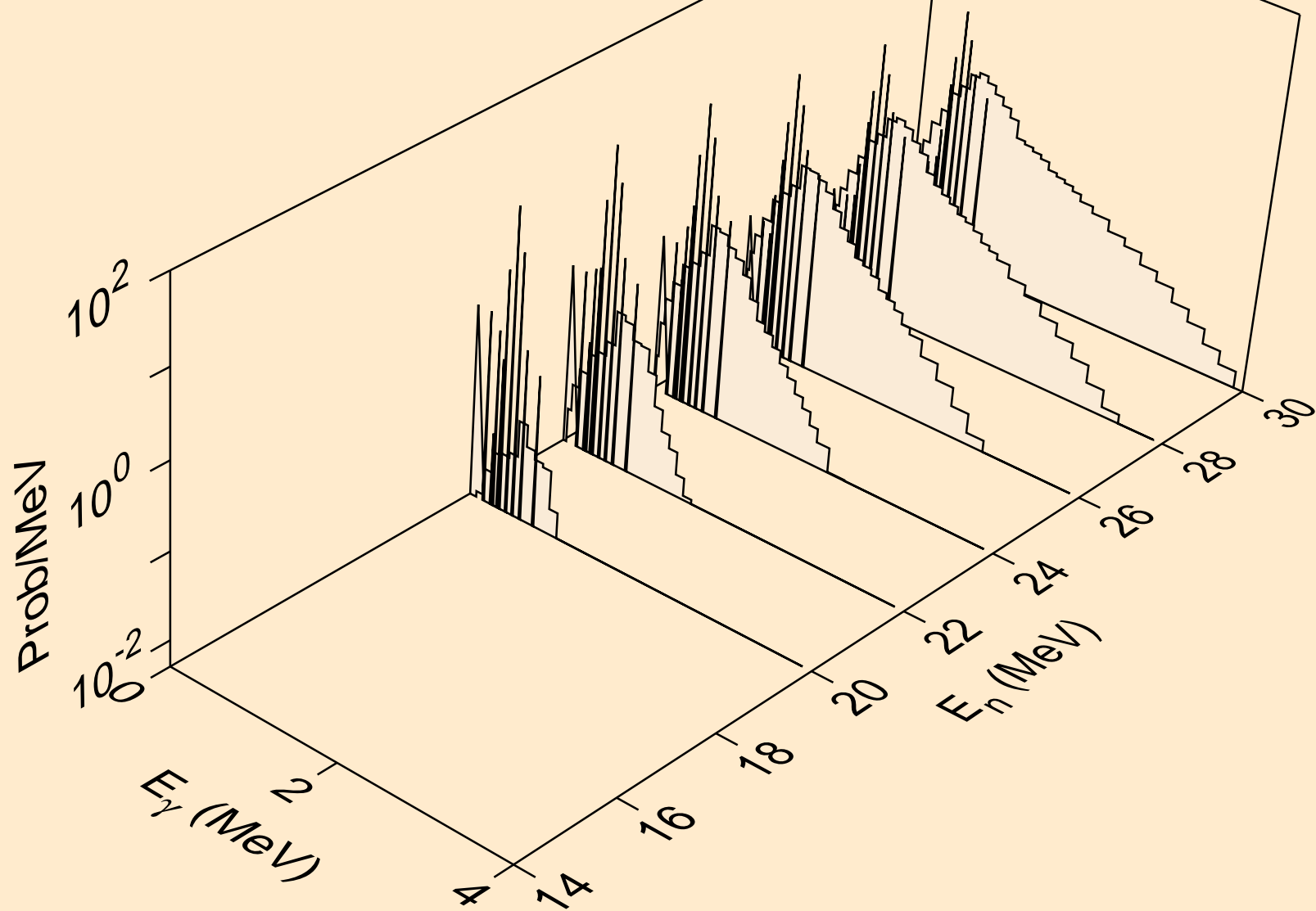
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Photon emission for (n,2np)



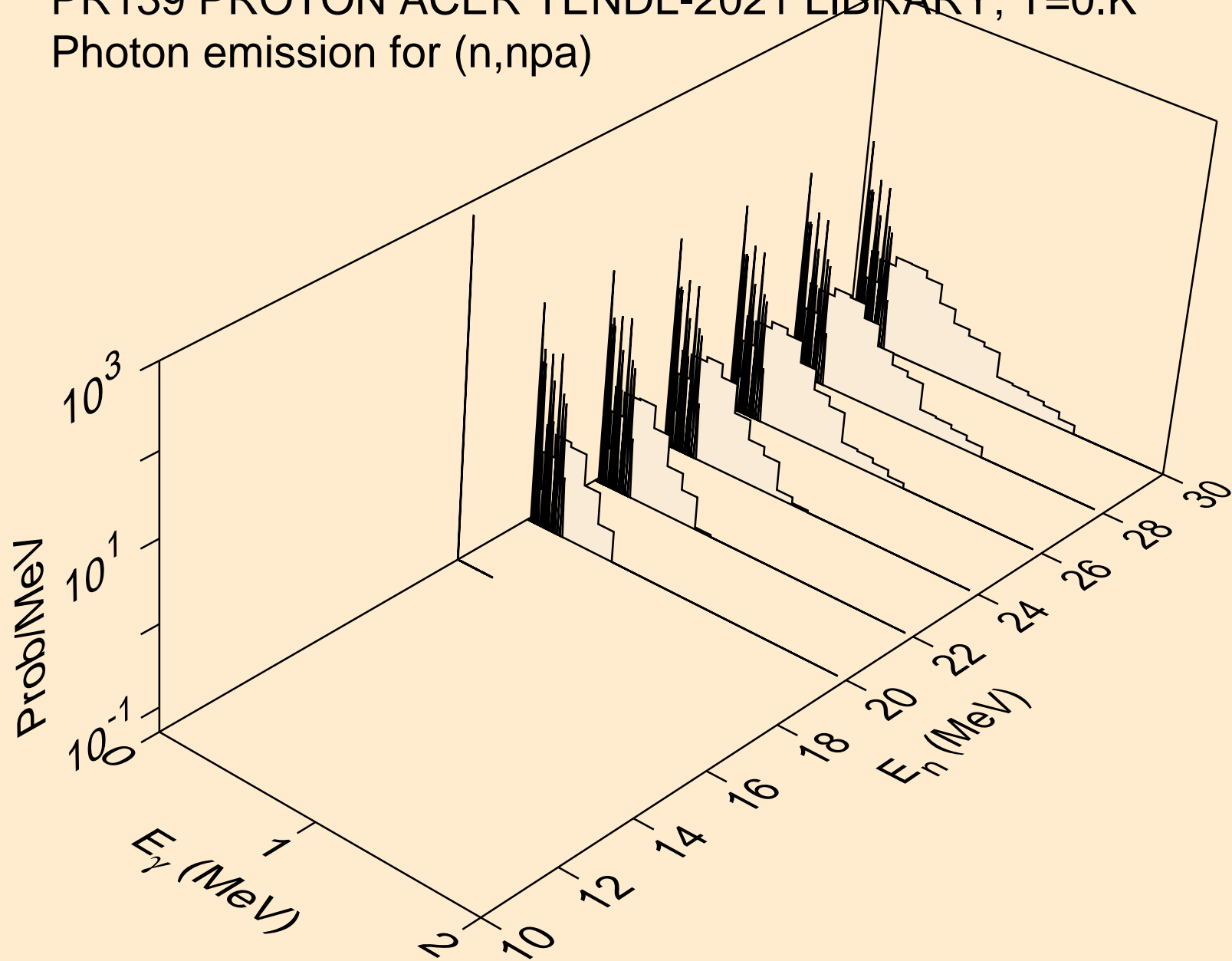
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Photon emission for (n,3np)



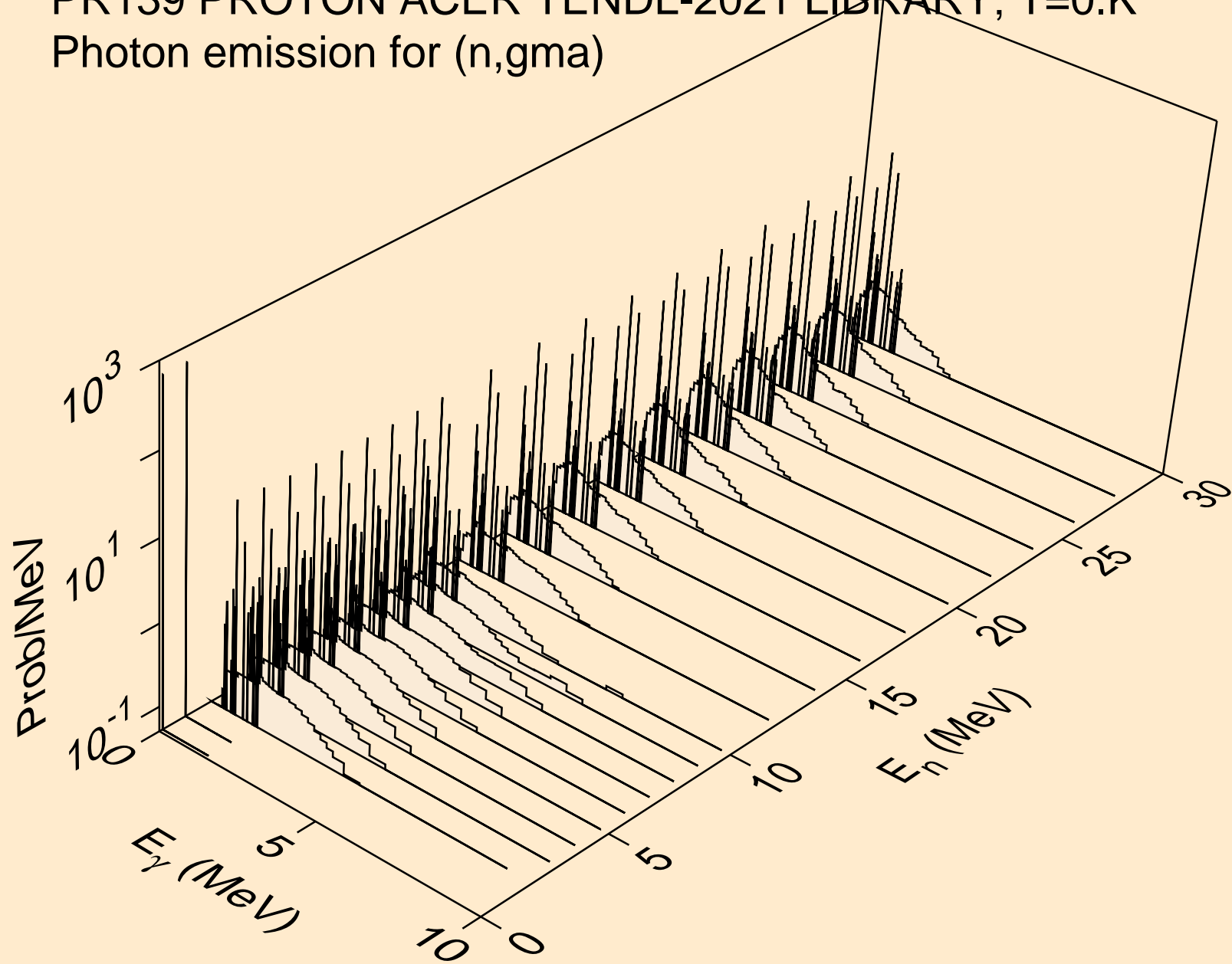
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Photon emission for (n,2np)



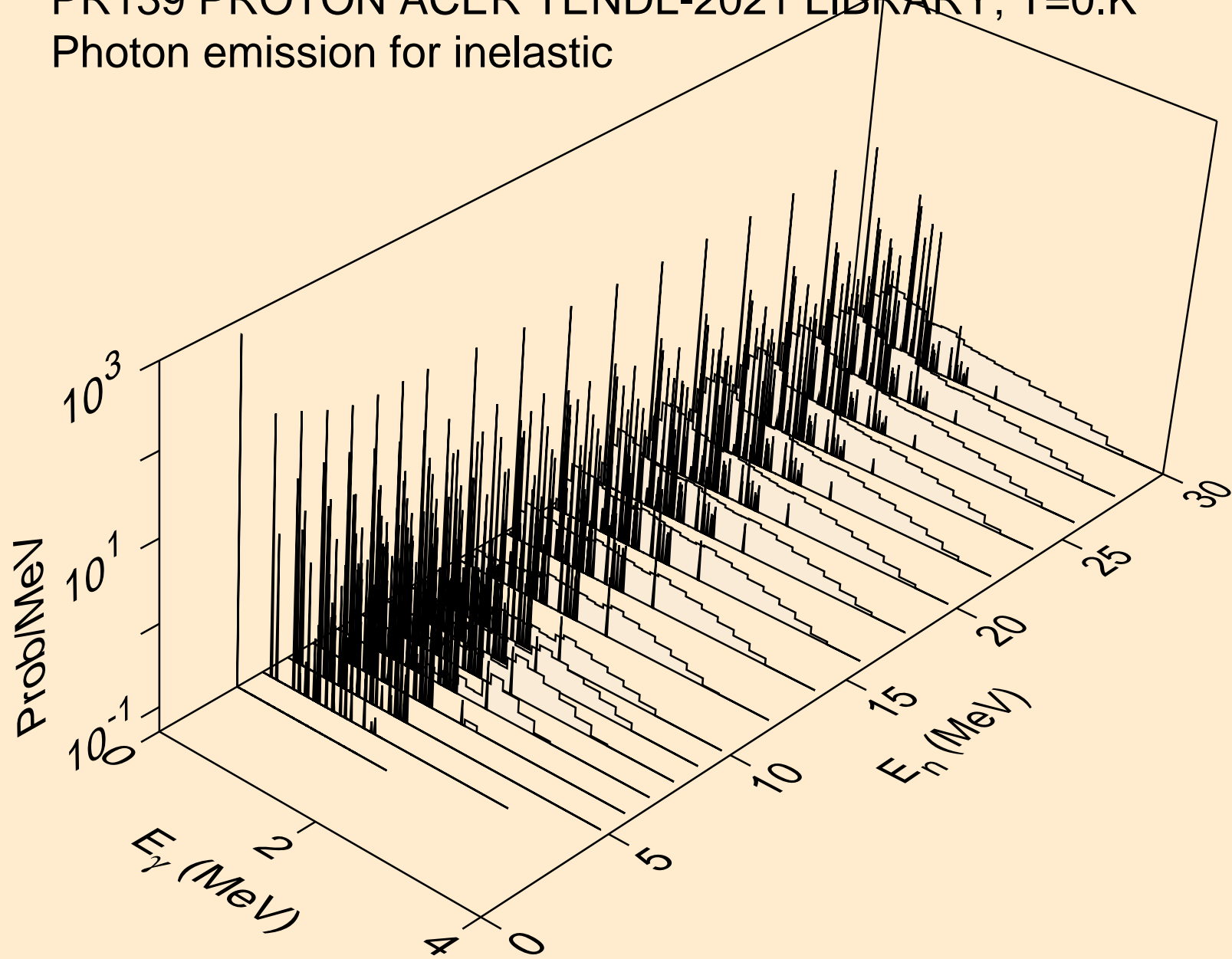
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Photon emission for (n,npa)



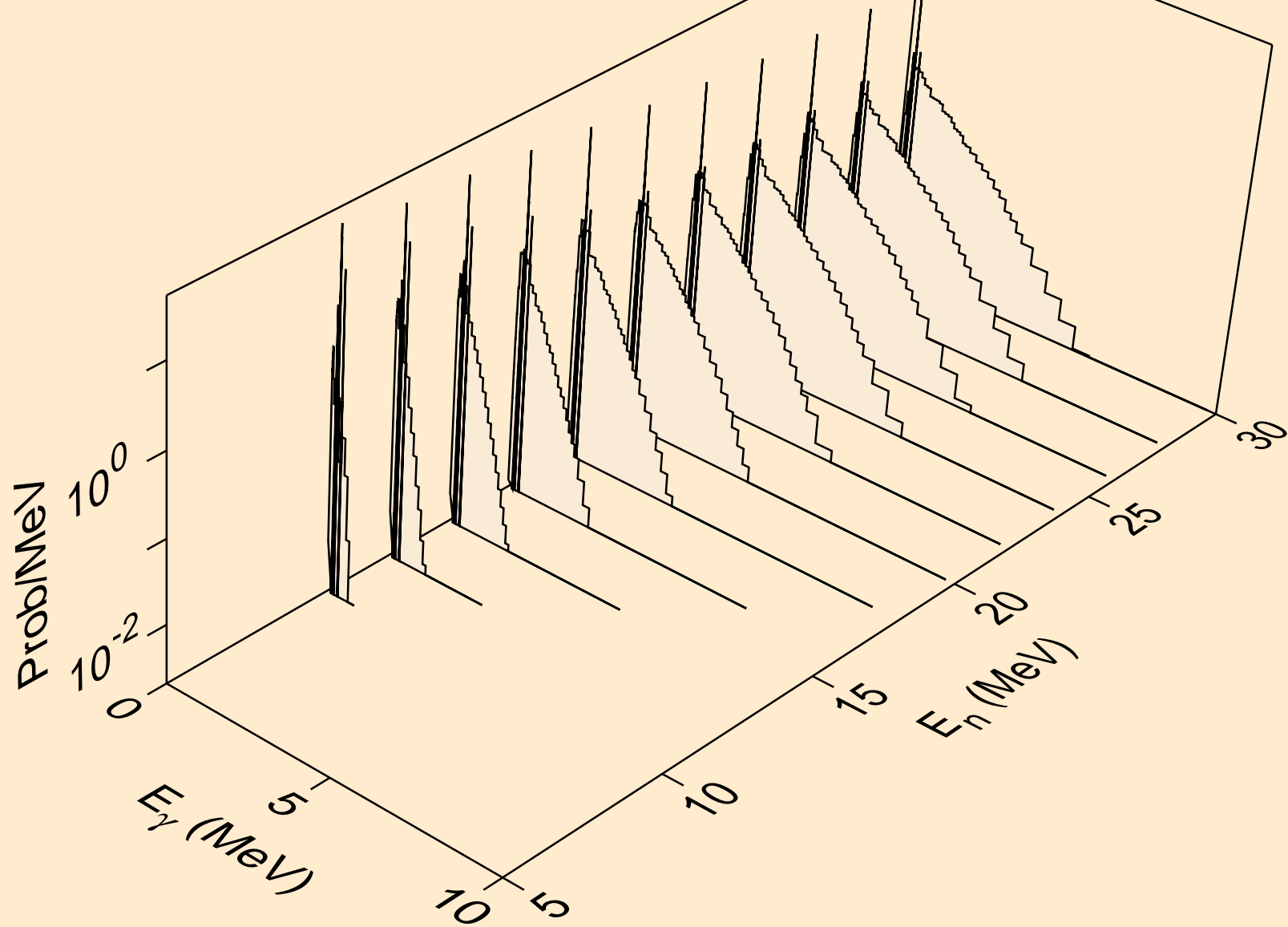
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Photon emission for (n,gma)



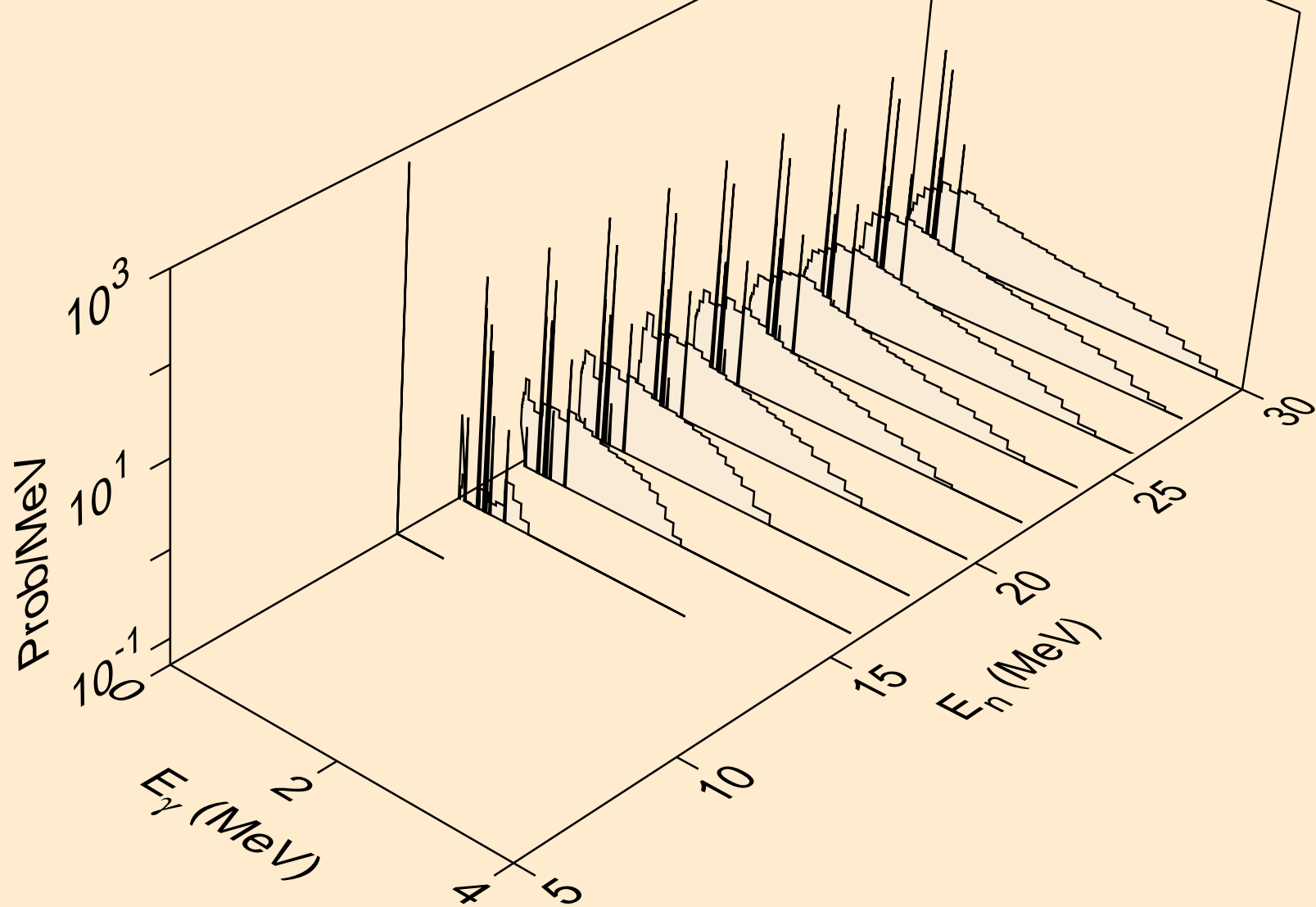
PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic



PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,d)

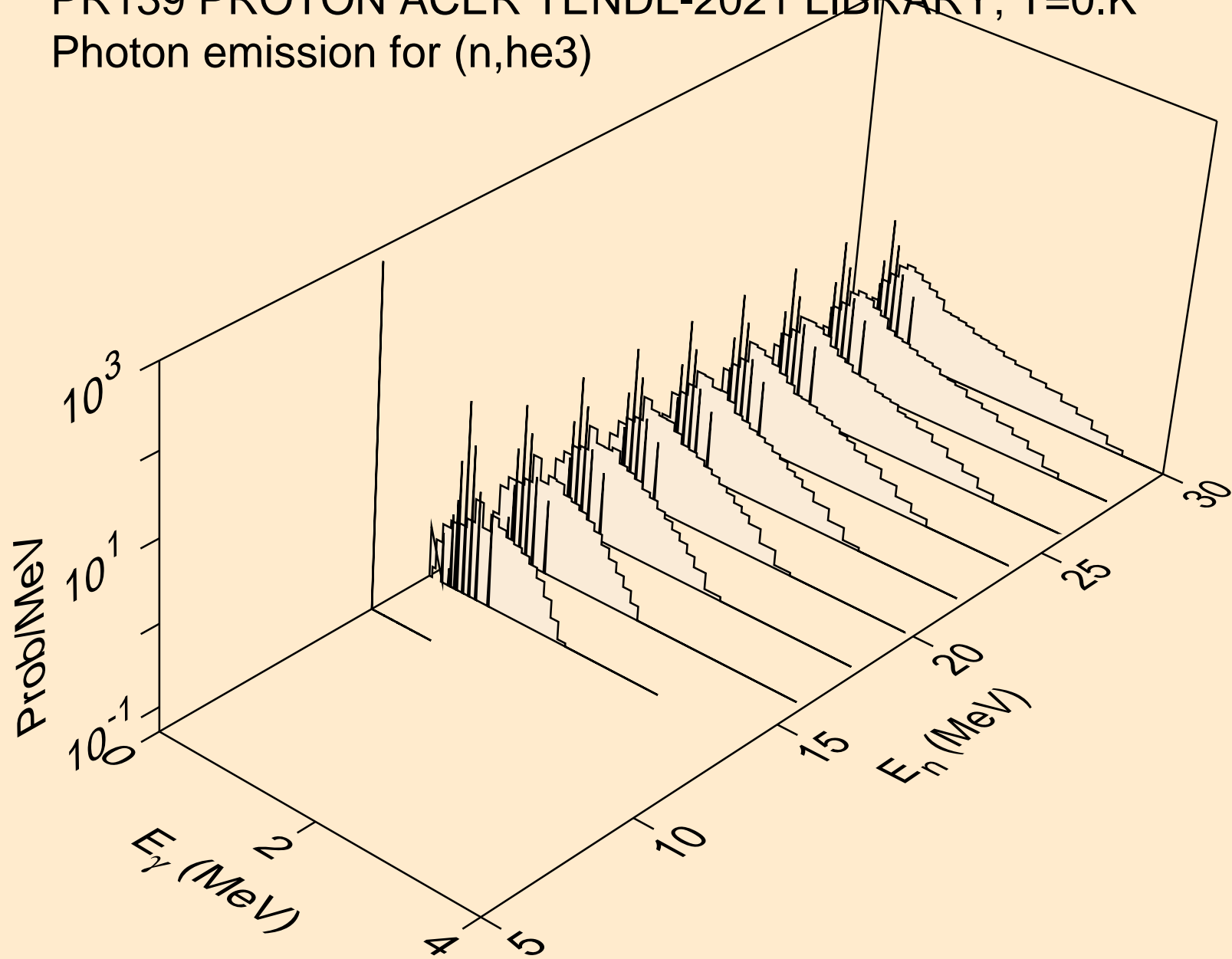


PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,t)

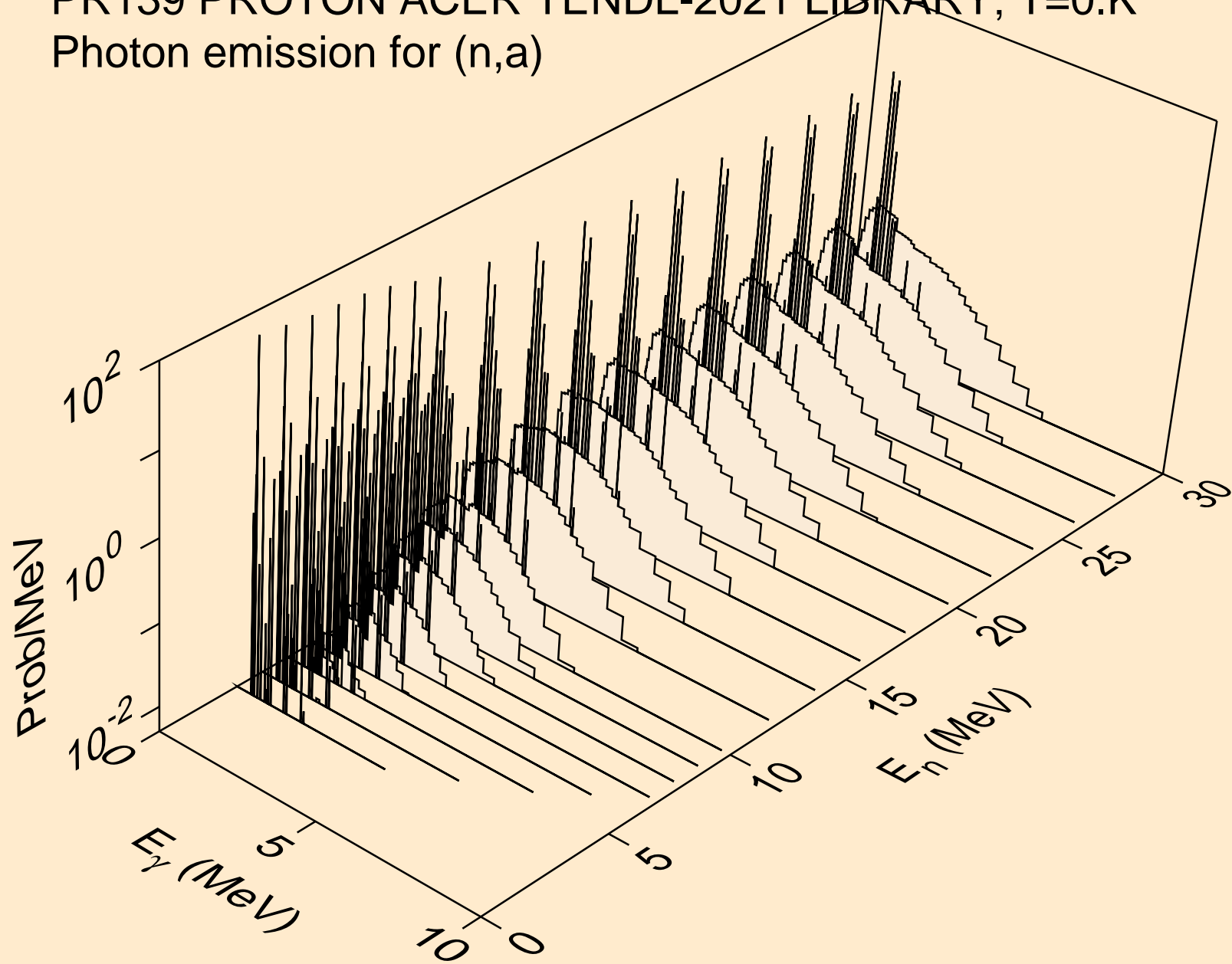




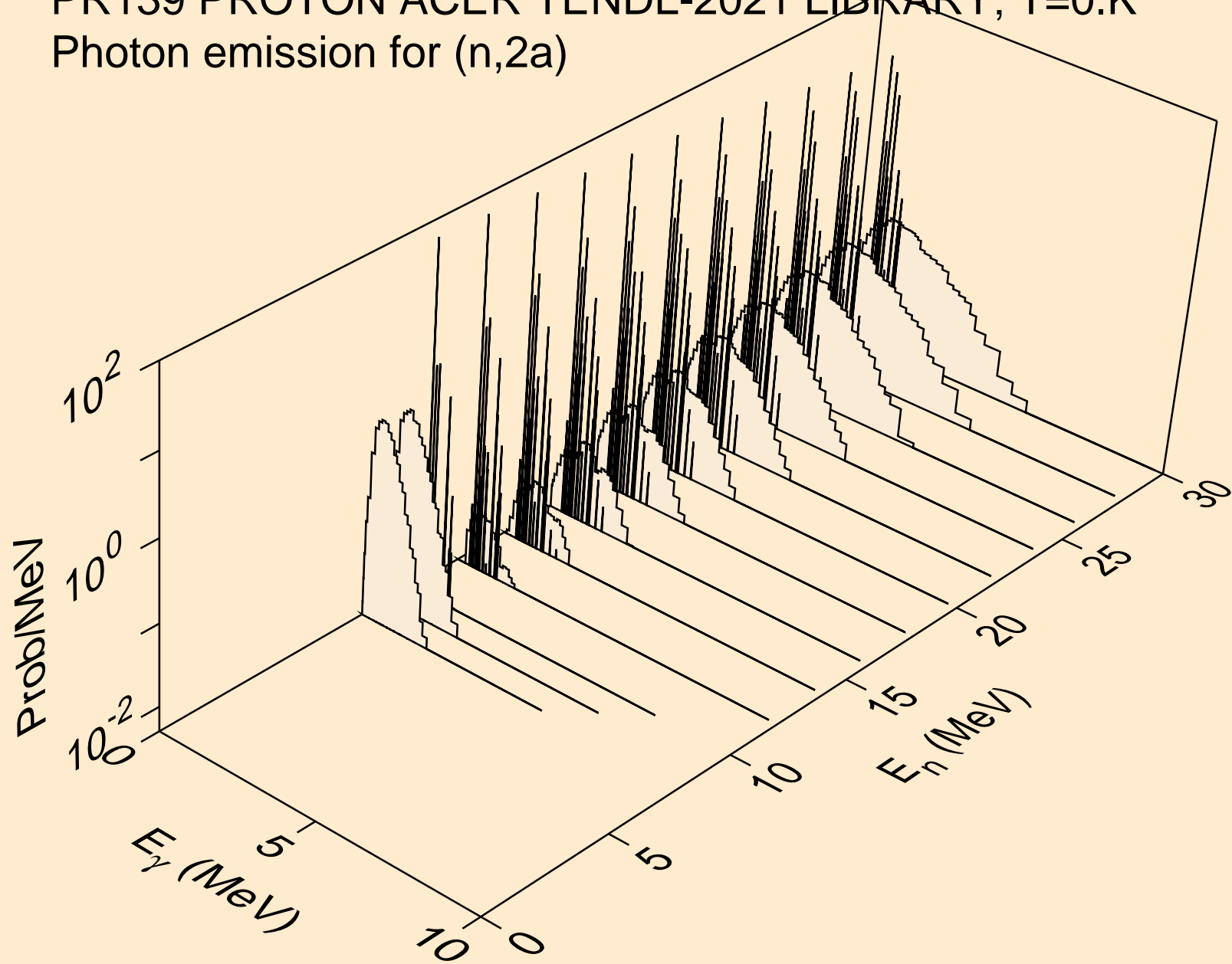
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Photon emission for (n,he3)



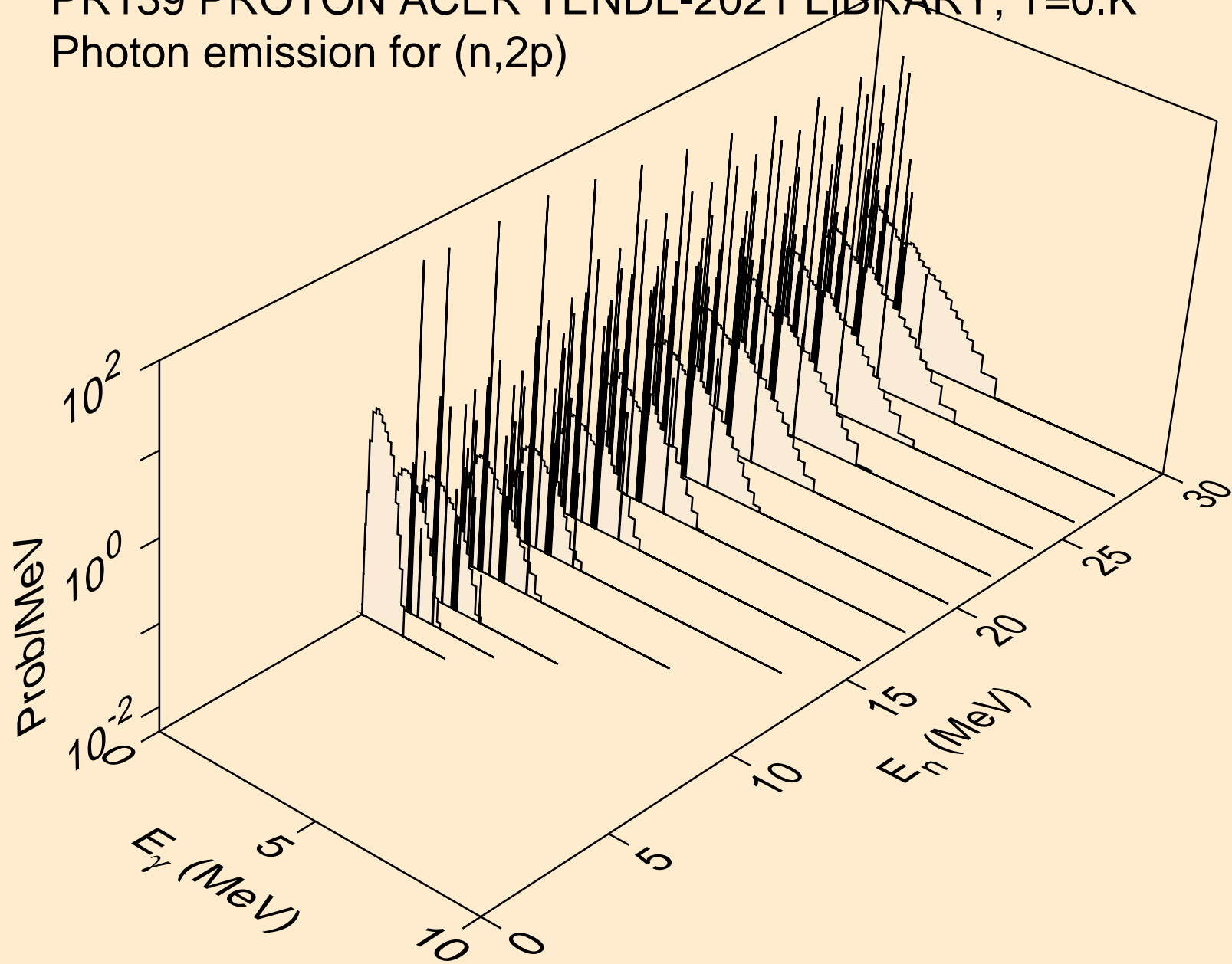
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Photon emission for (n,a)



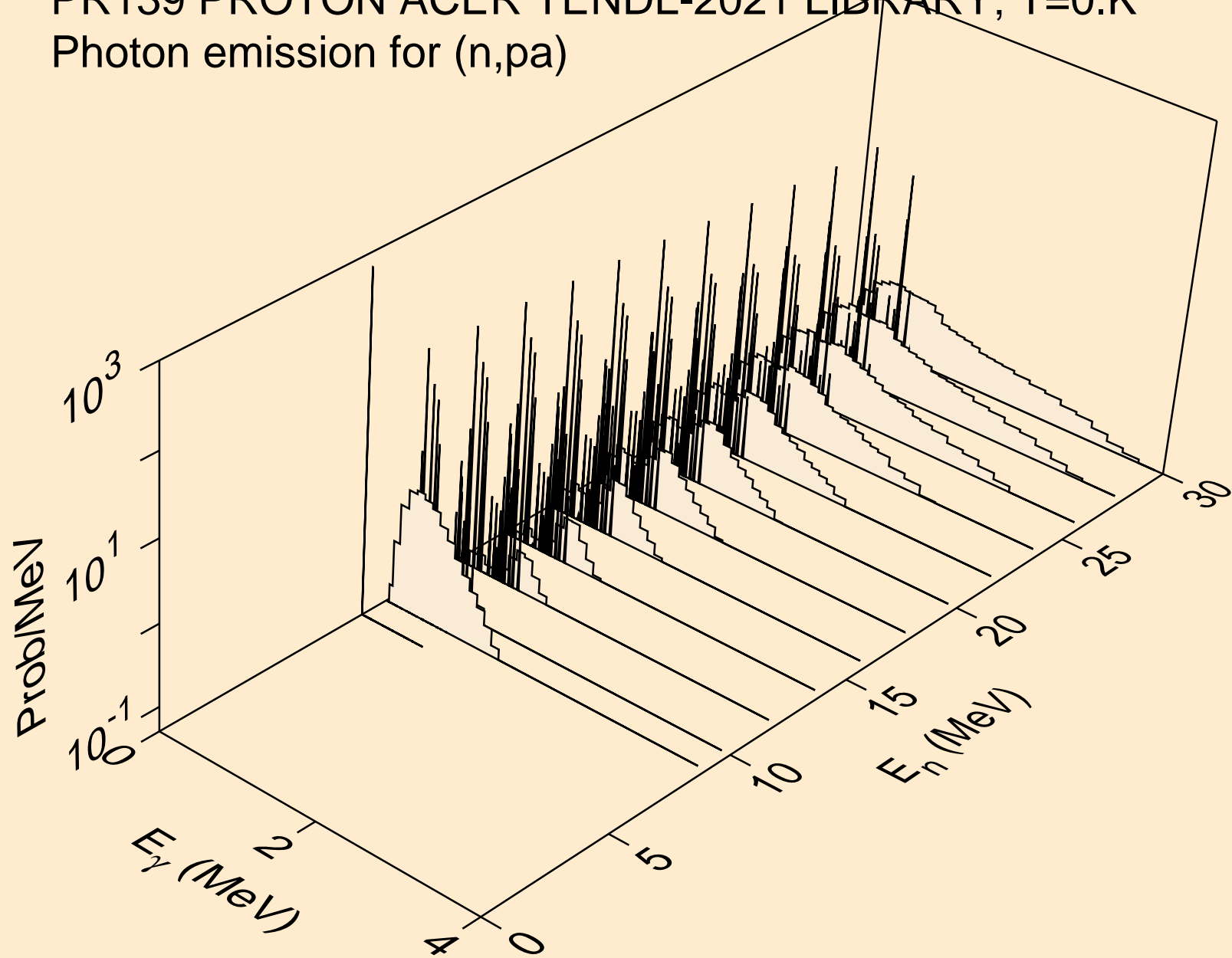
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Photon emission for (n,2a)



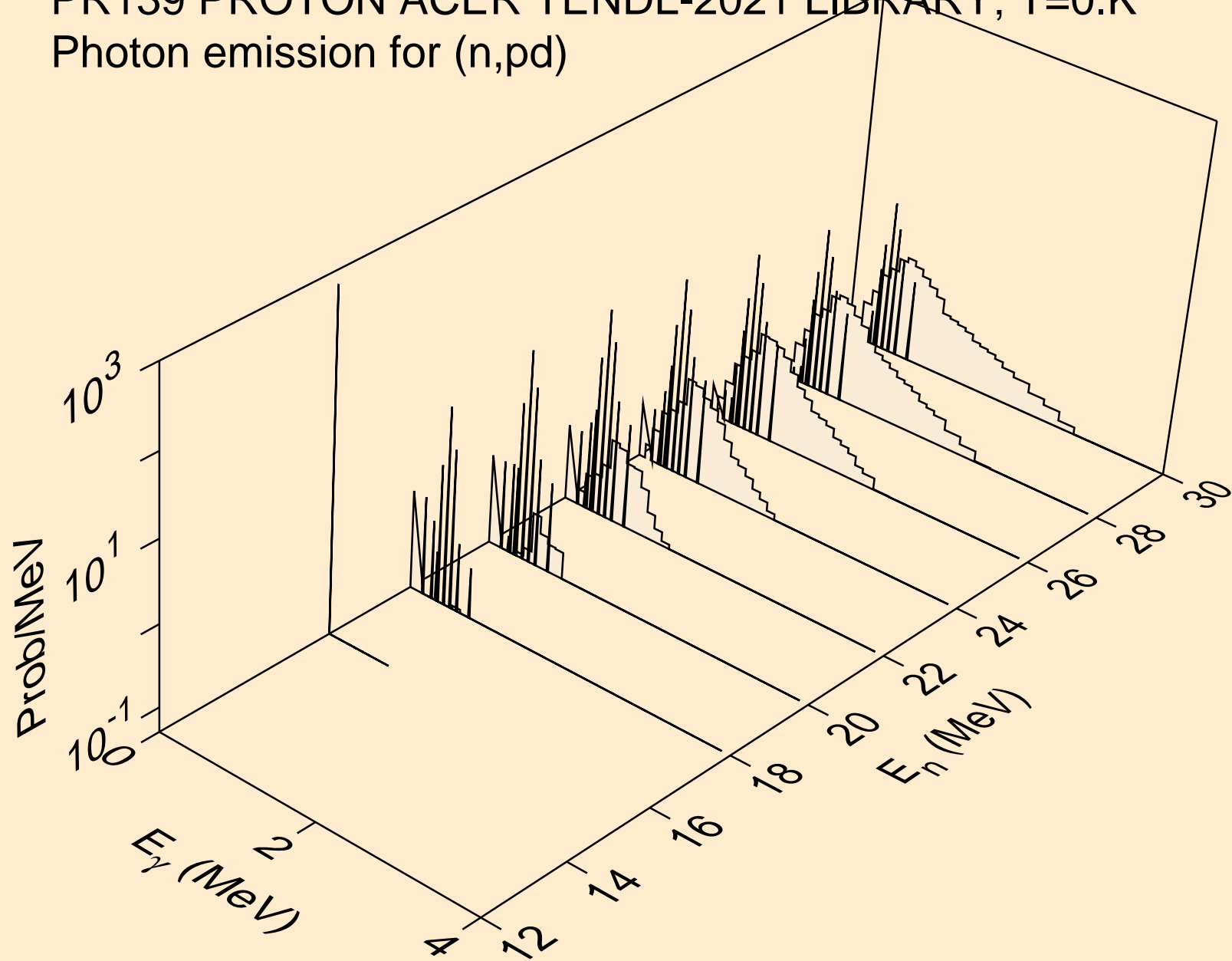
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Photon emission for (n,2p)



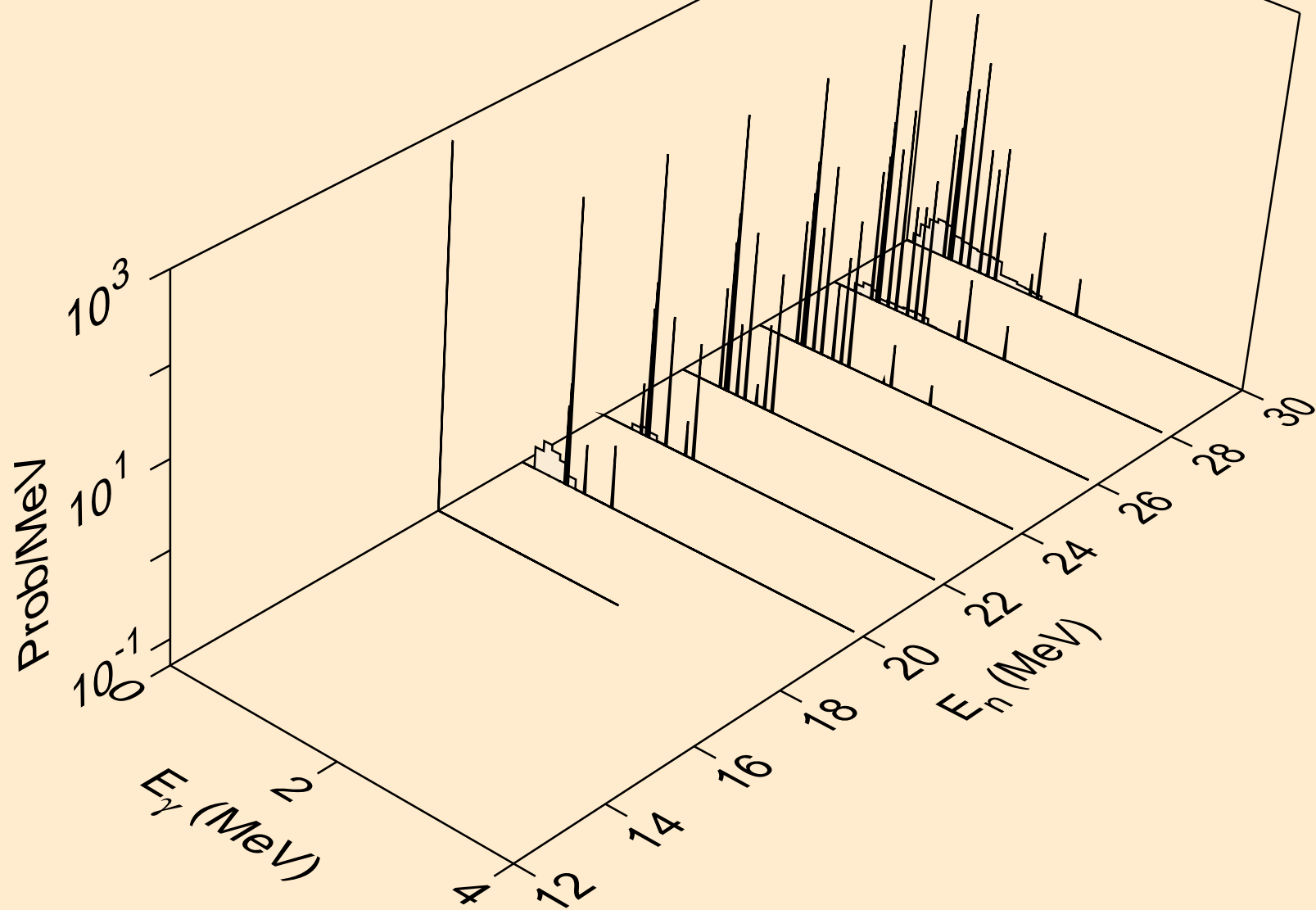
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Photon emission for (n,pa)



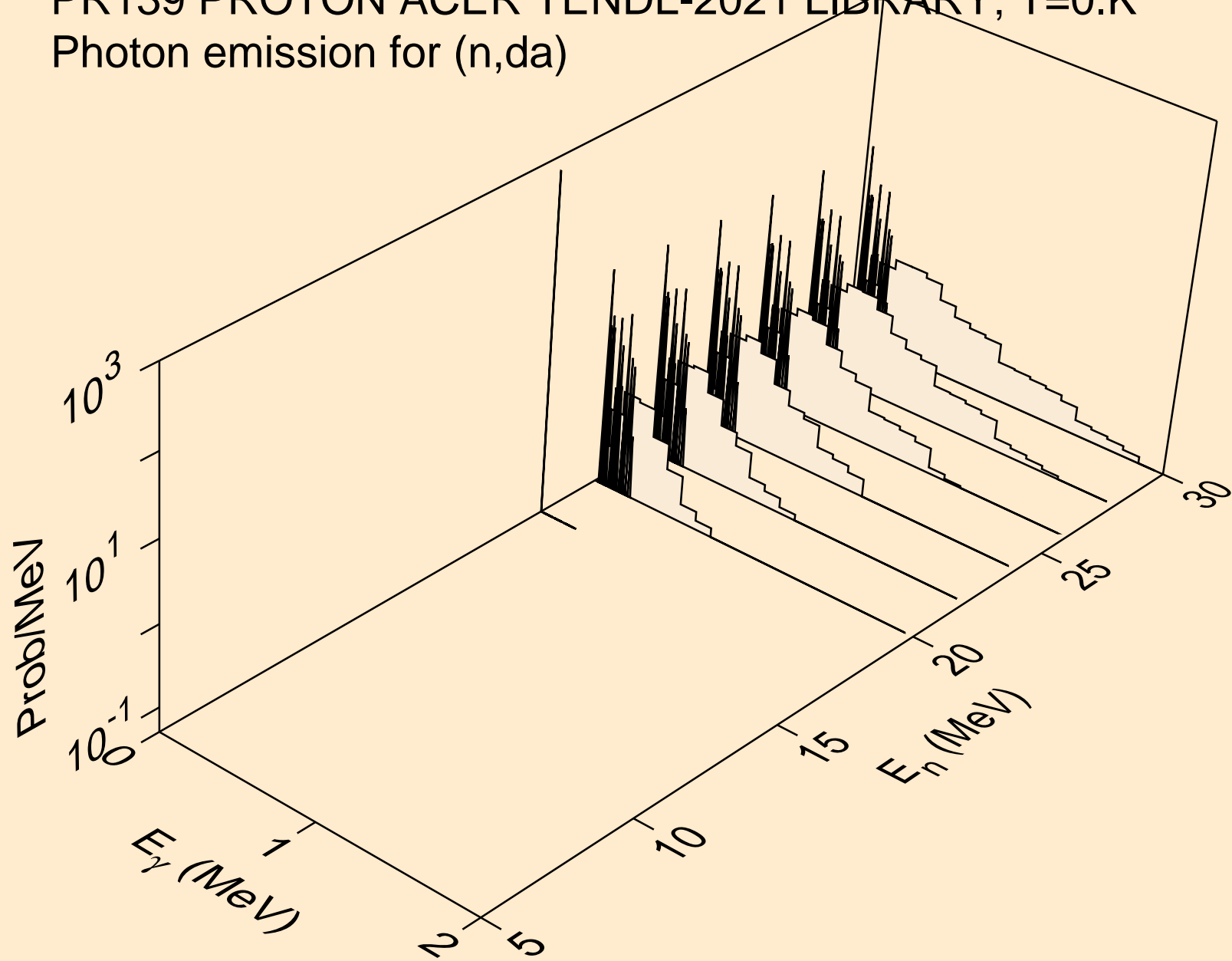
PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pd)



PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pt)

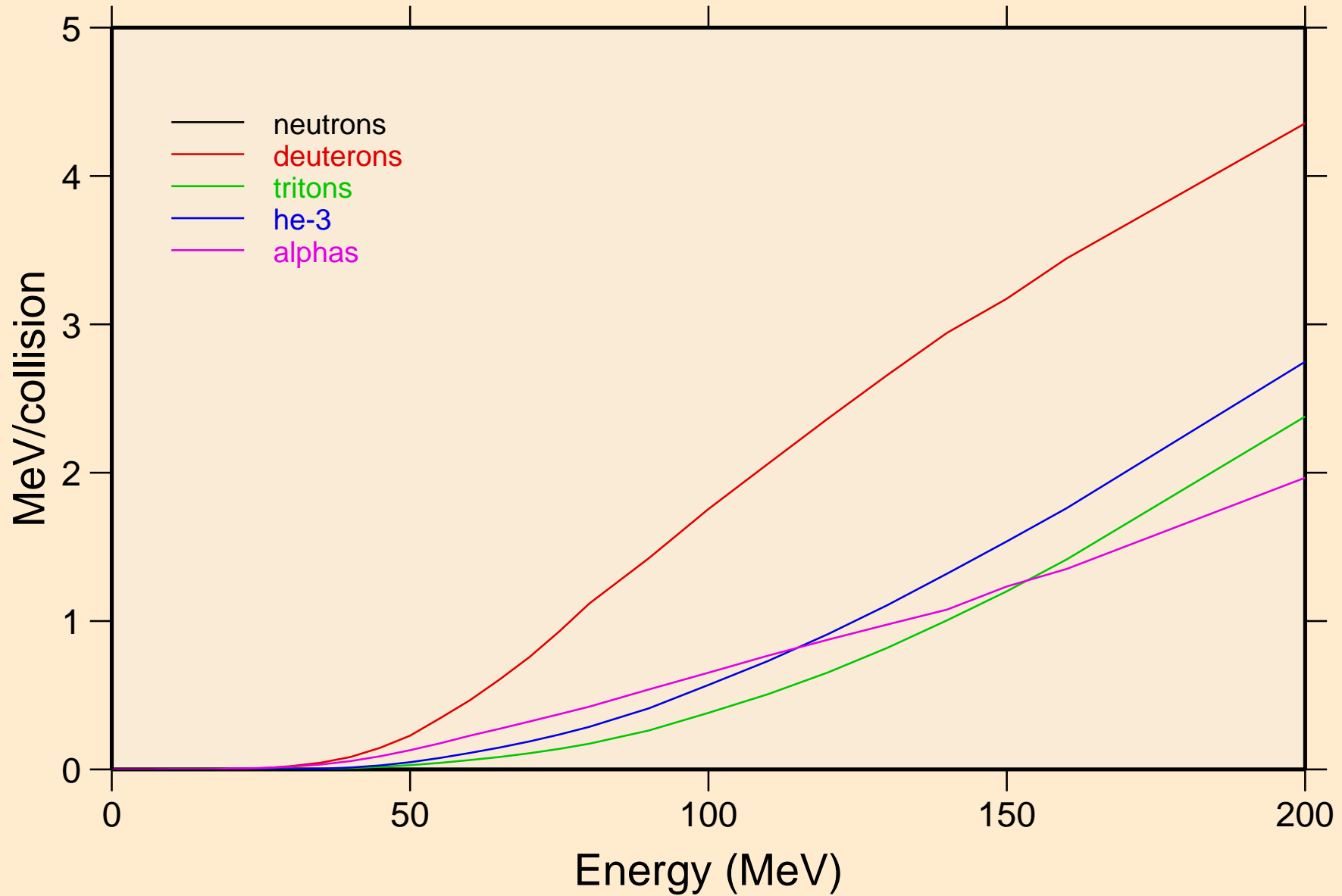


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Photon emission for (n,da)

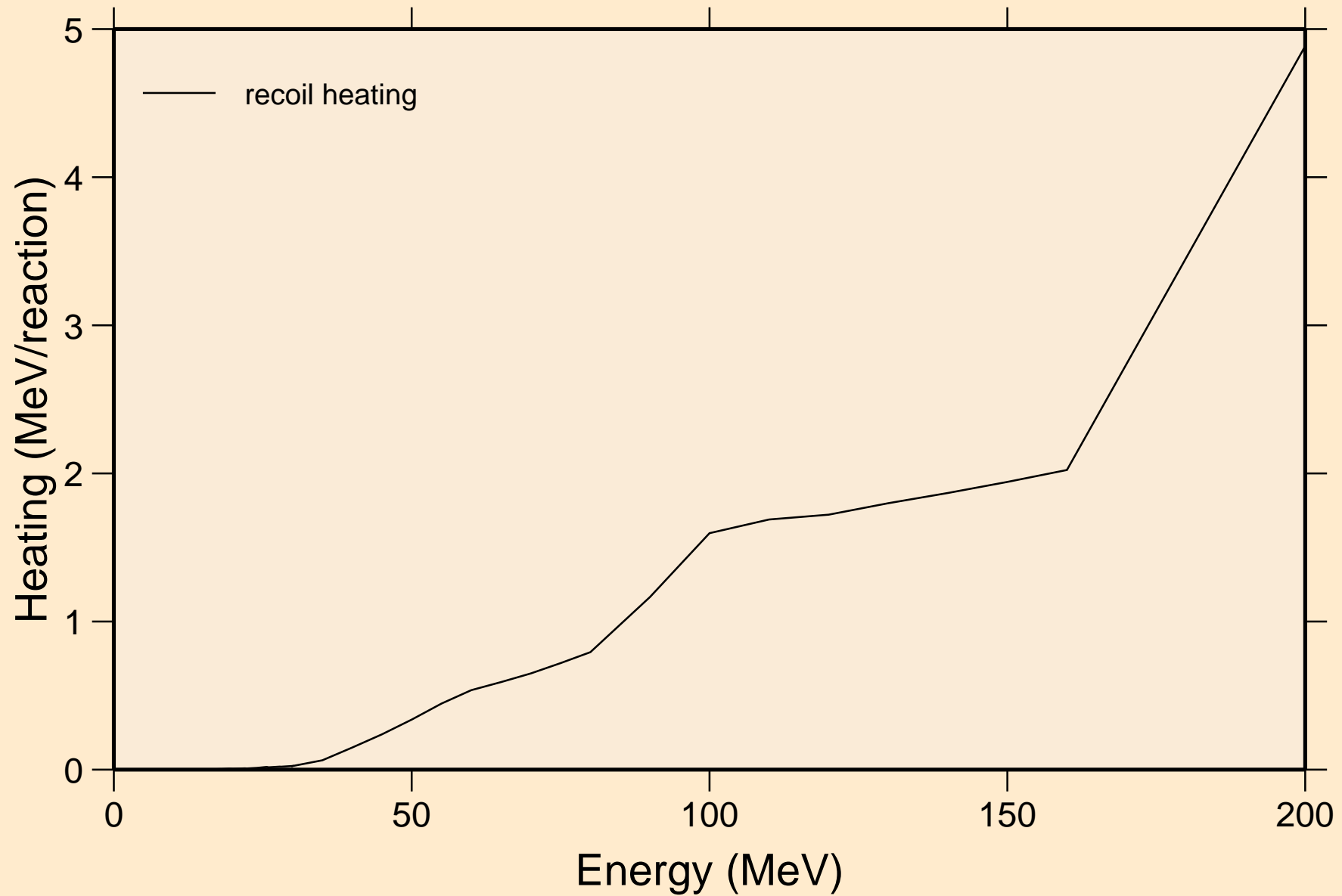




PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Particle heating contributions

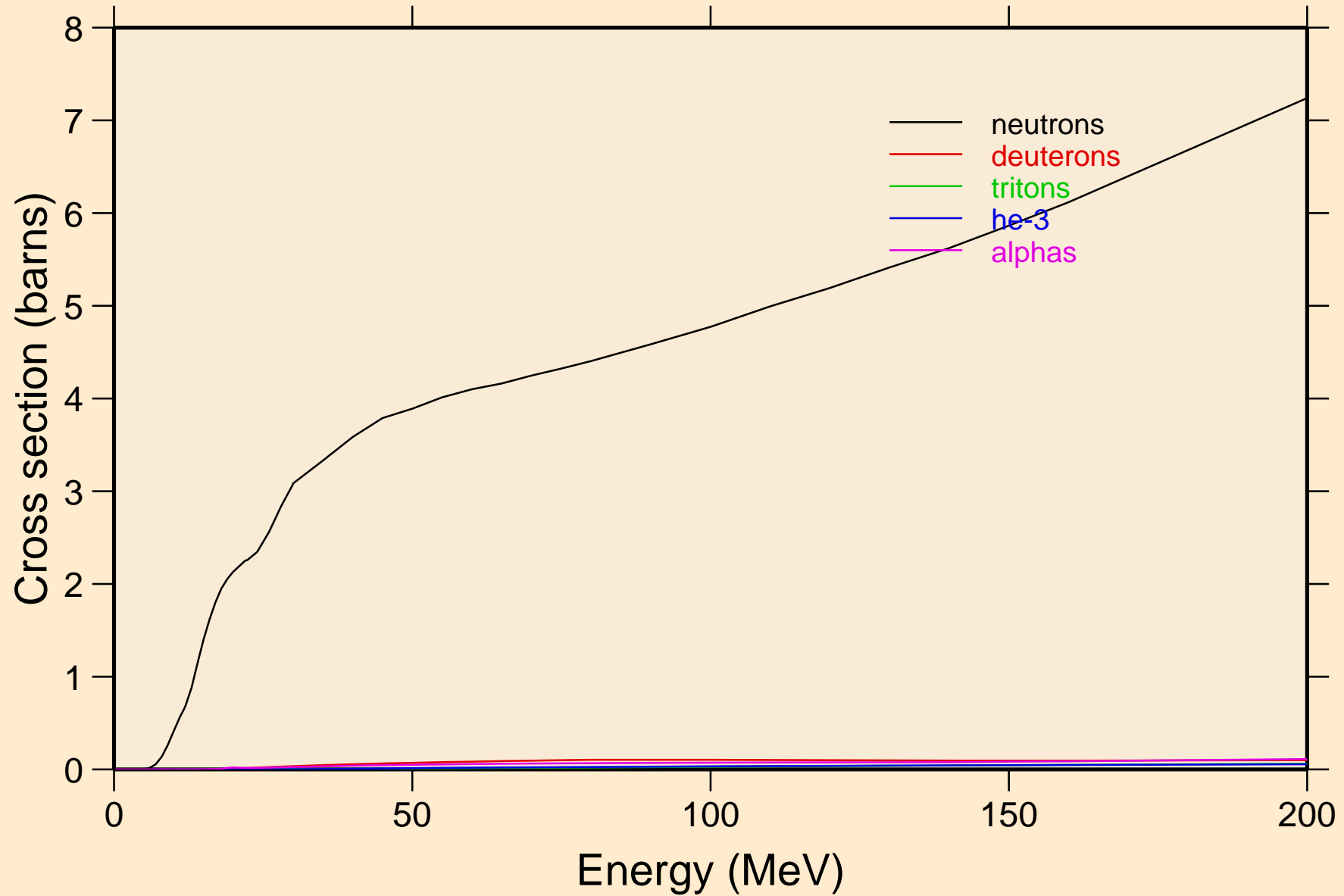


PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Recoil Heating

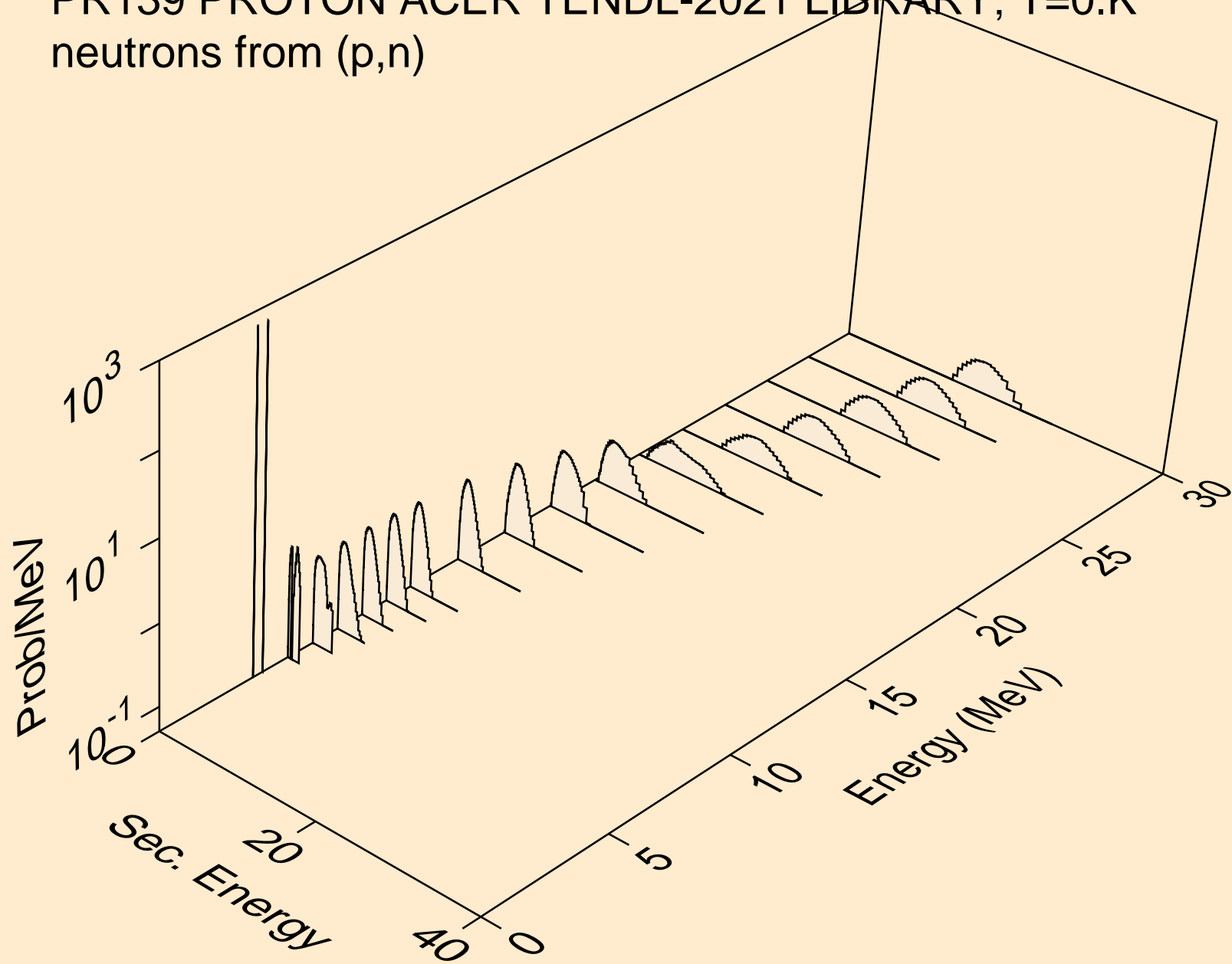


# PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K

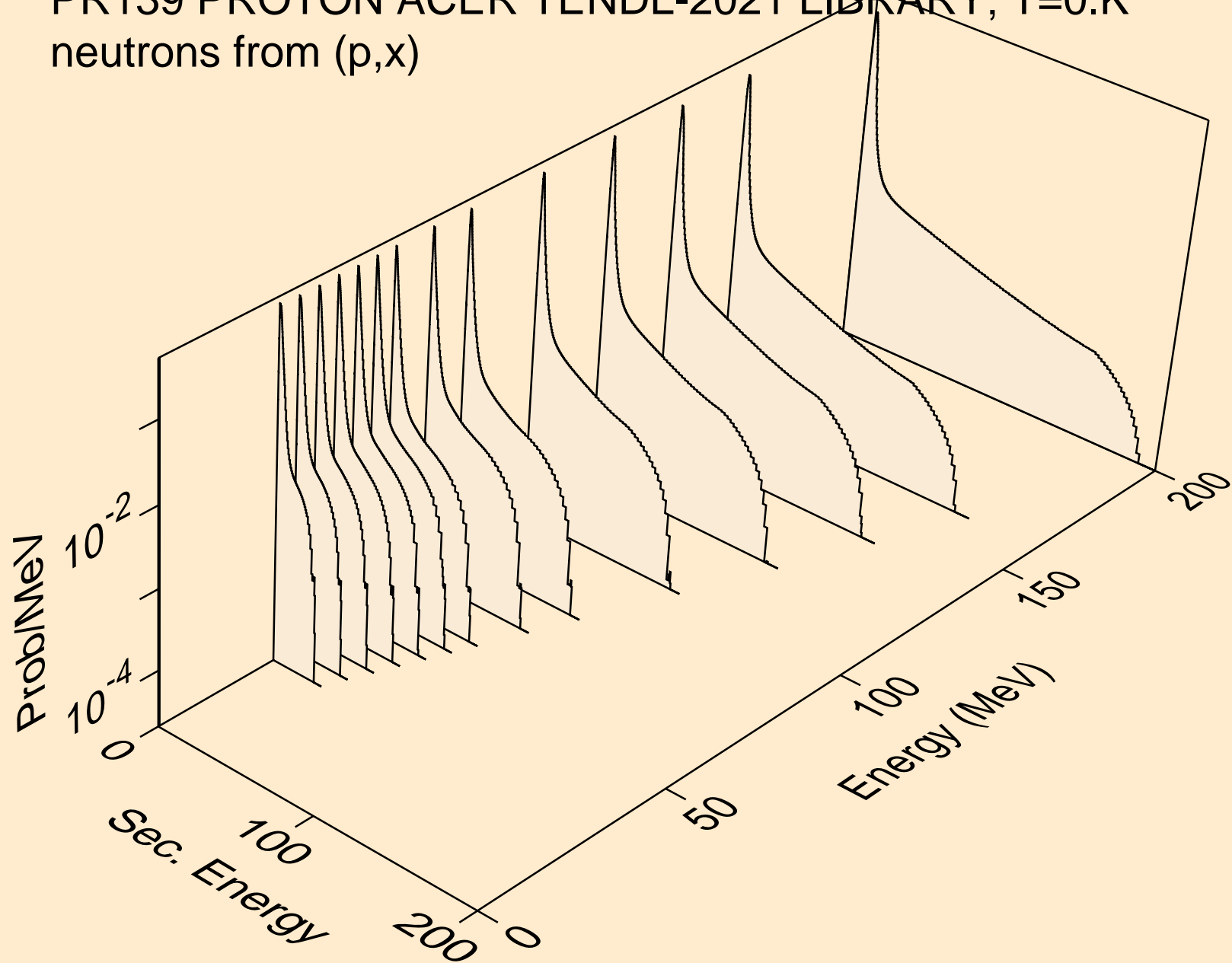
## Particle production cross sections



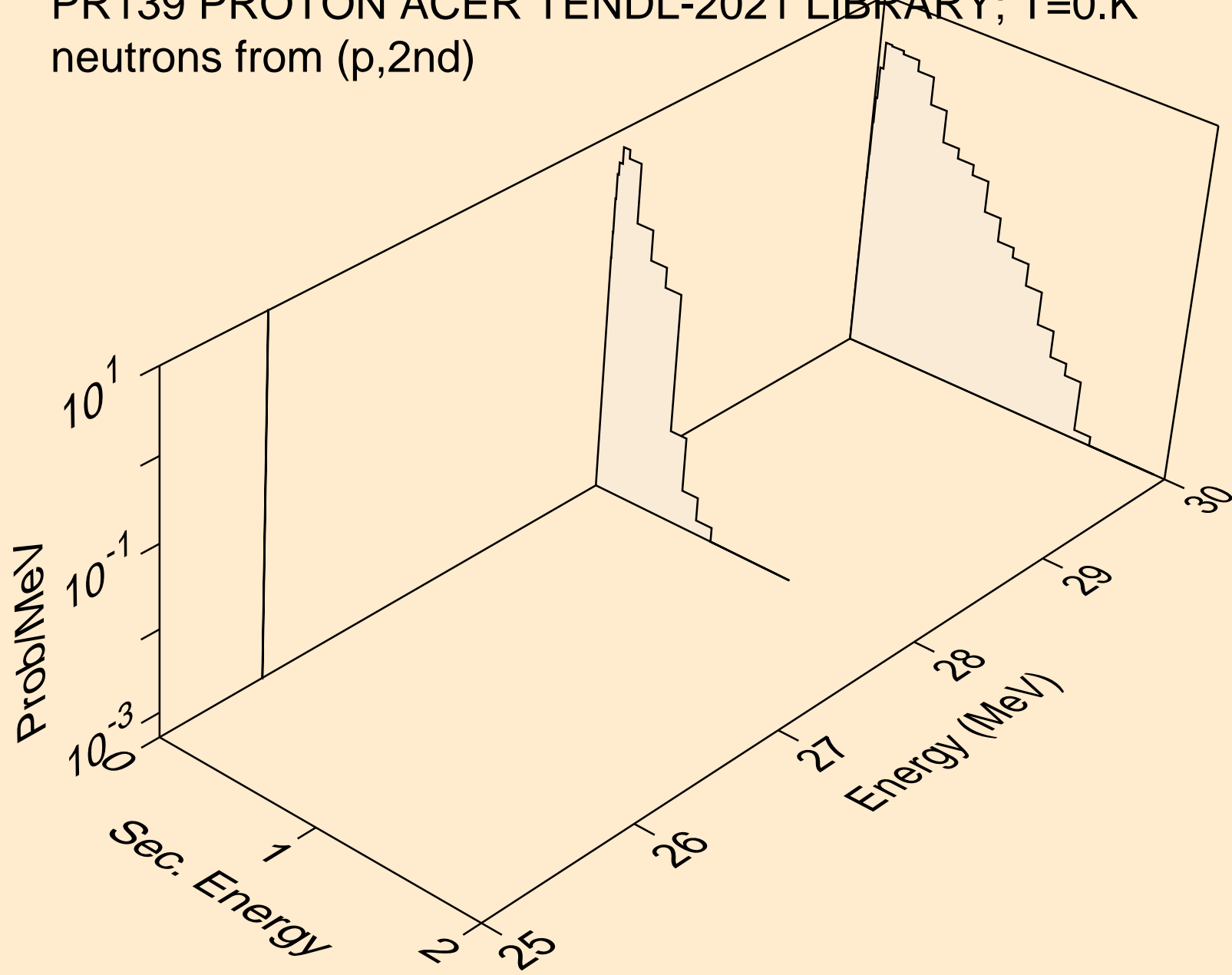
PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n)



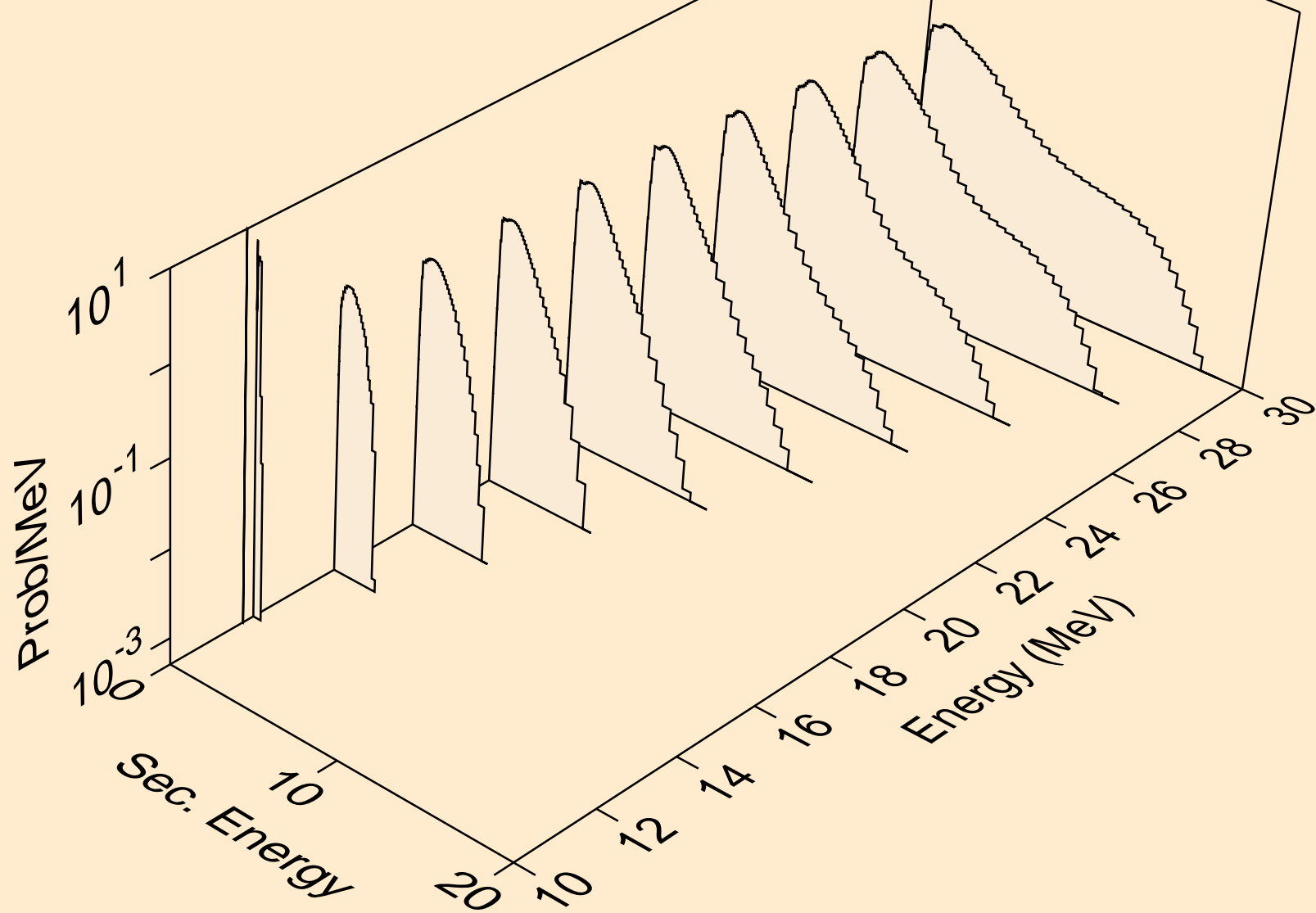
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neutrons from (p,x)



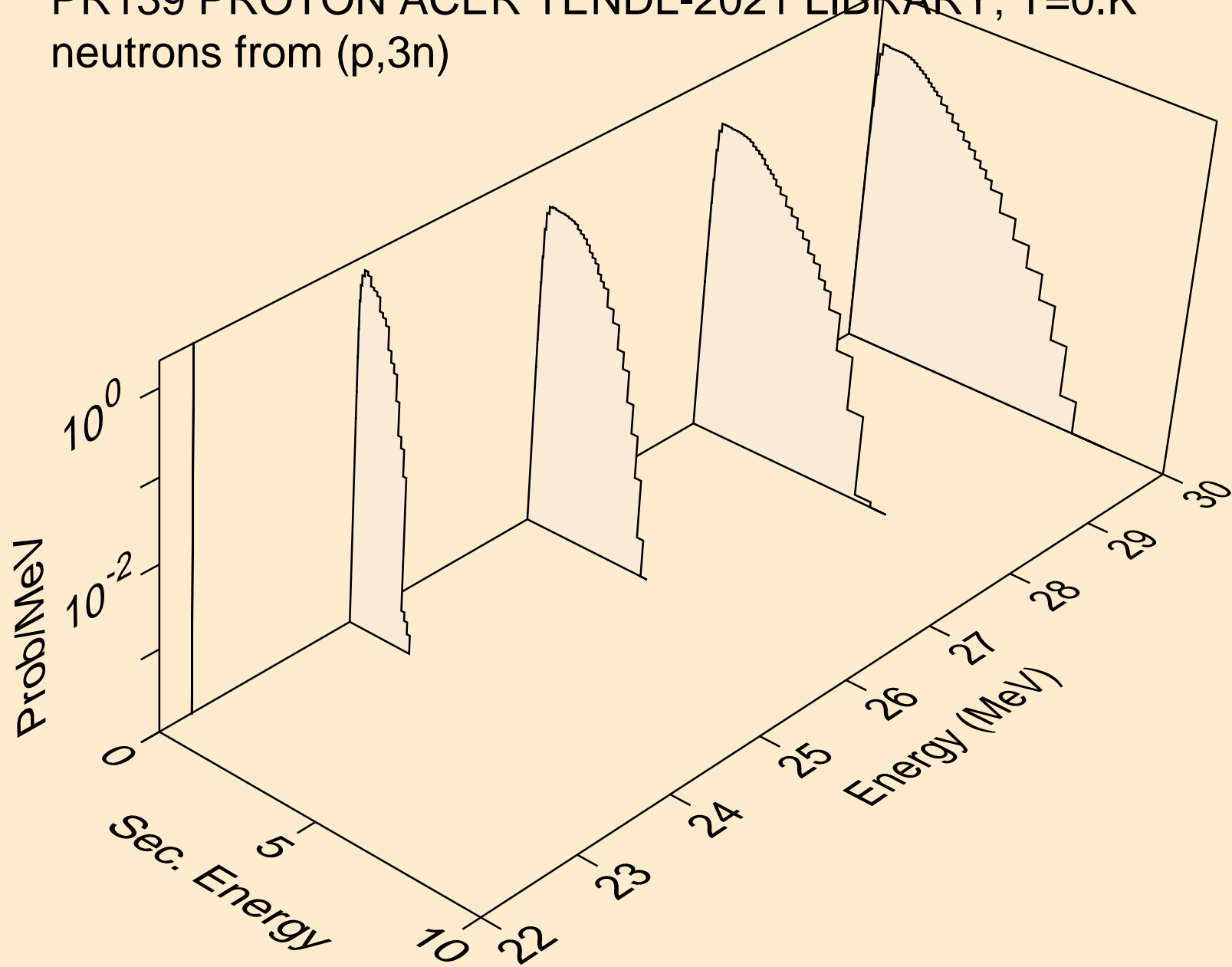
PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2nd)



PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2n)

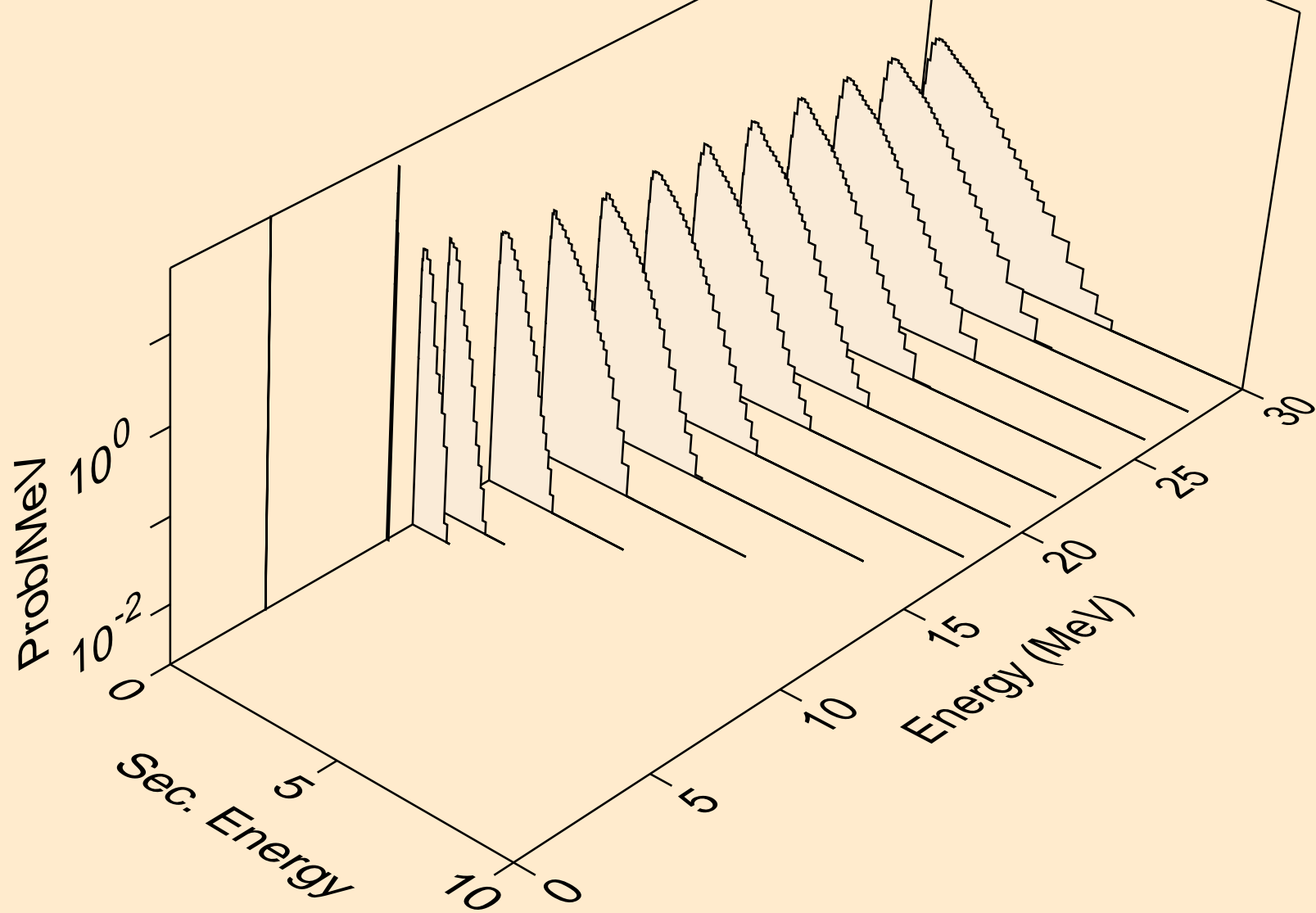


PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,3n)

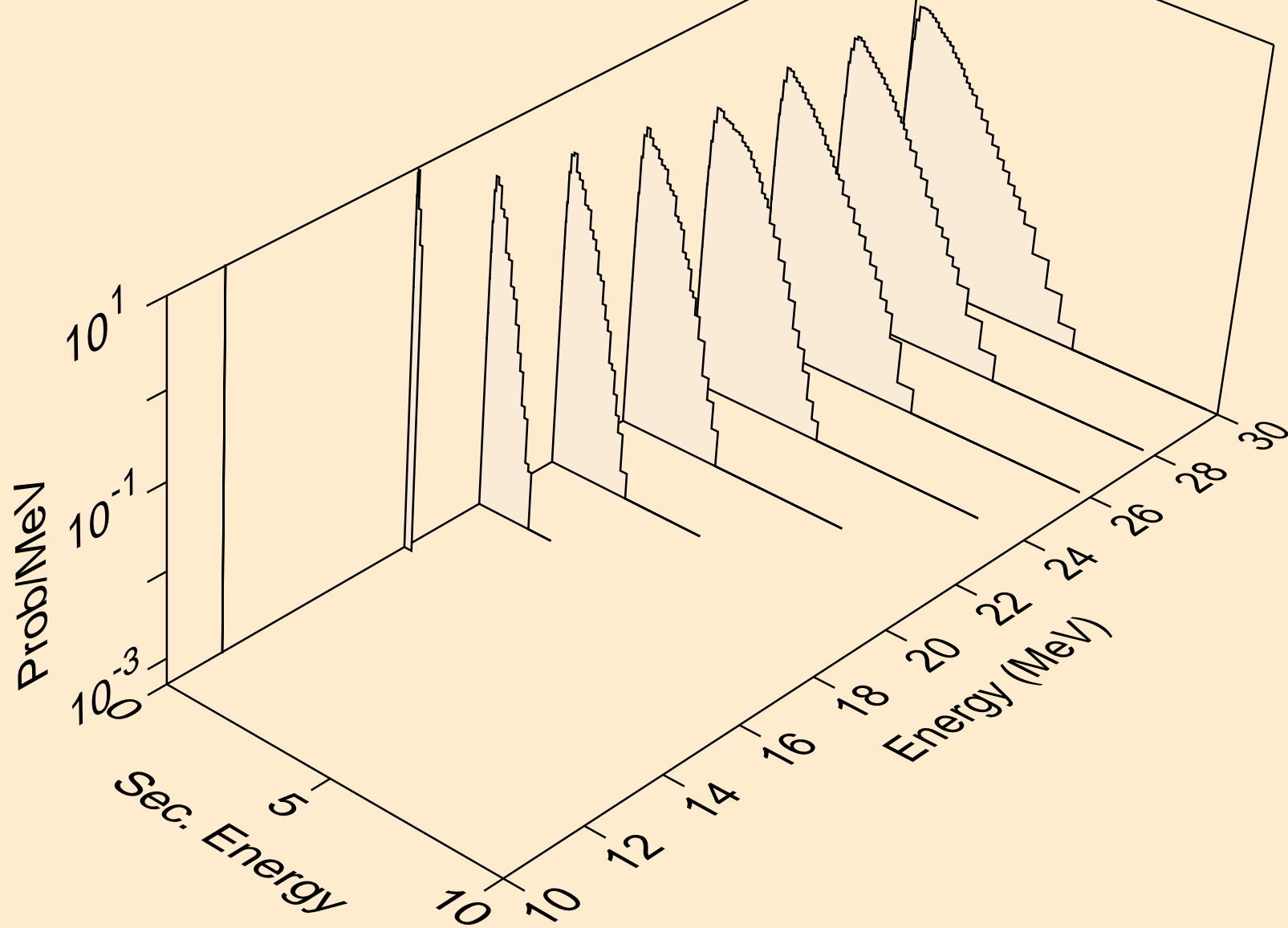




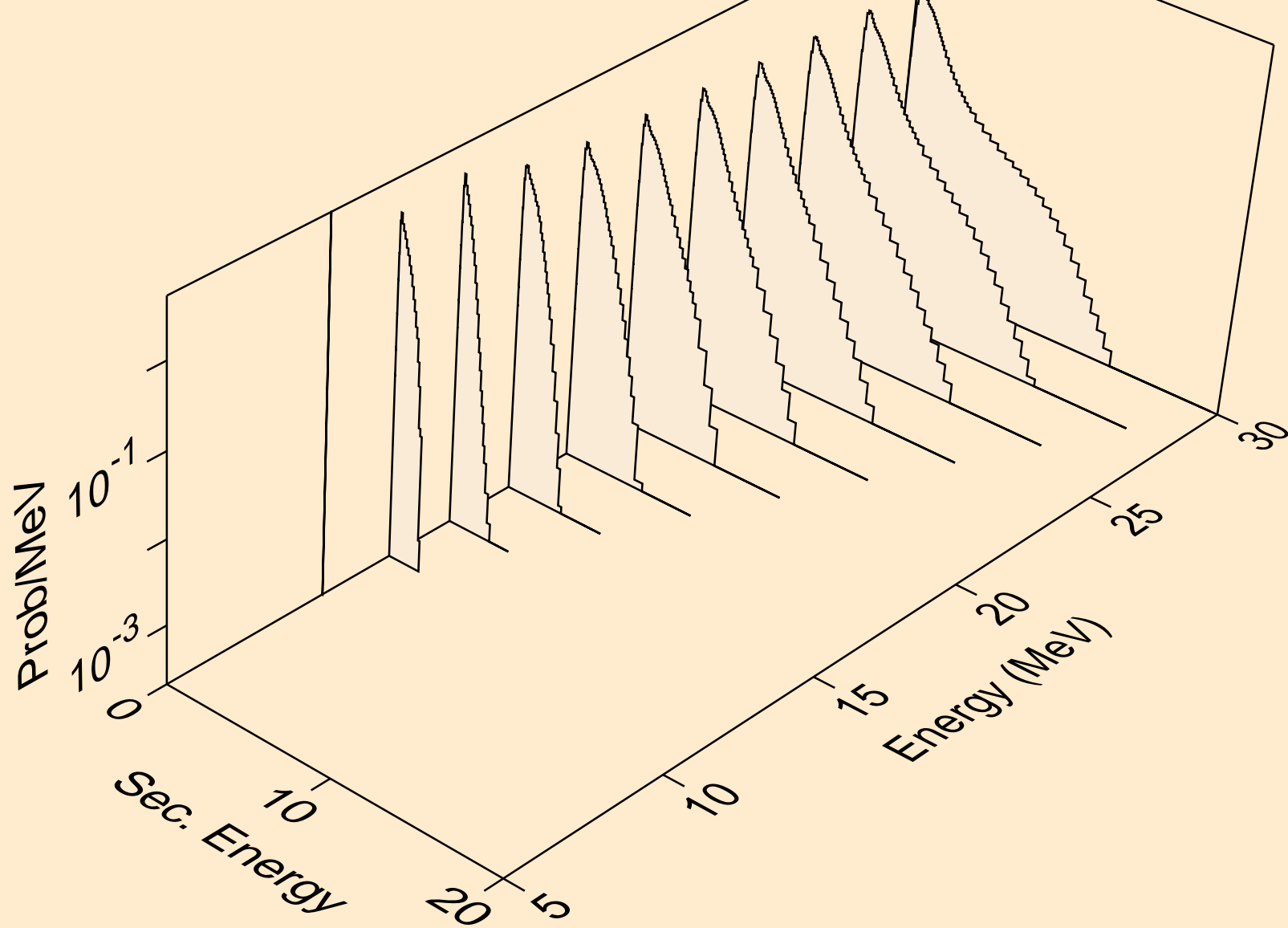
PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)a



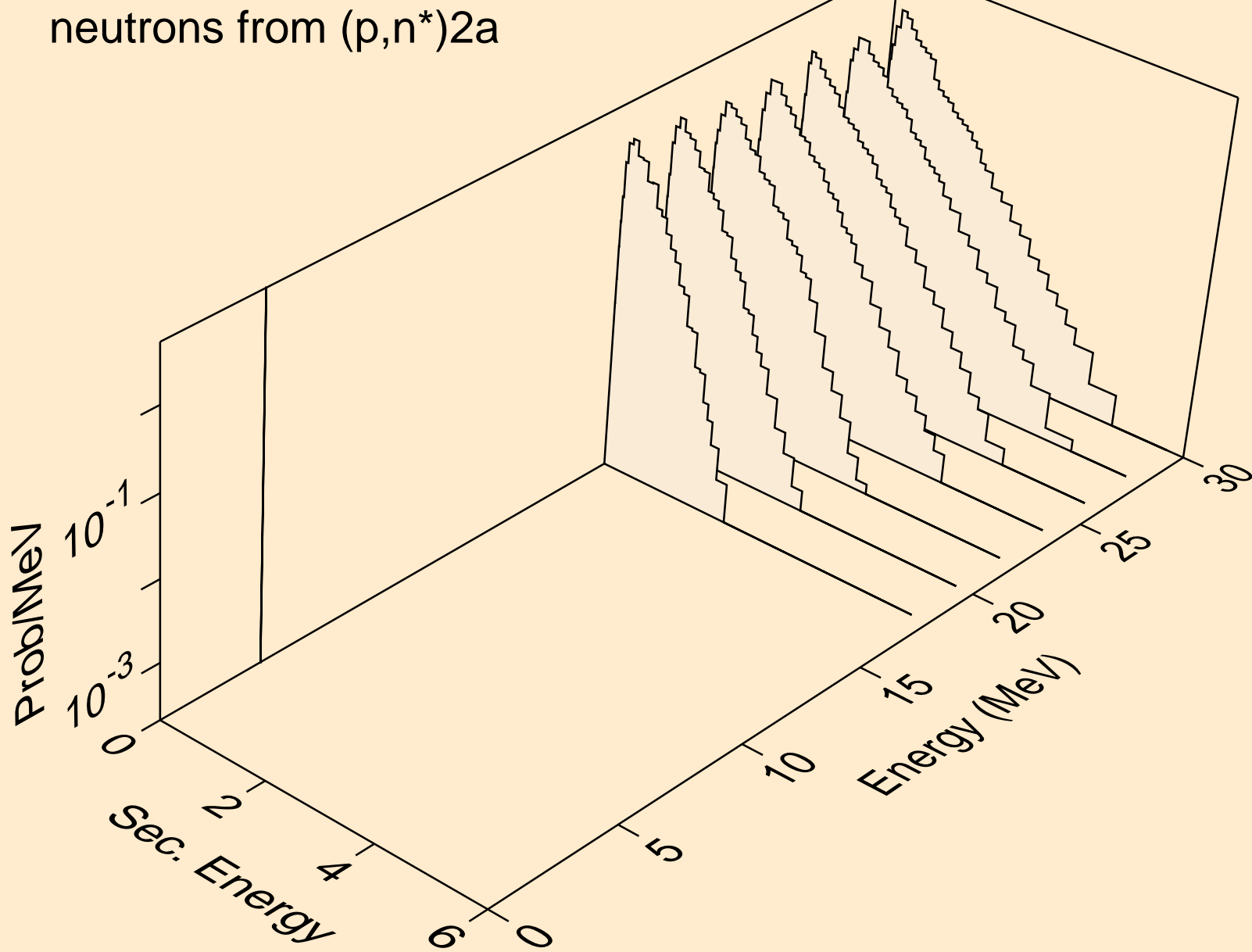
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neutrons from (p,2n)a



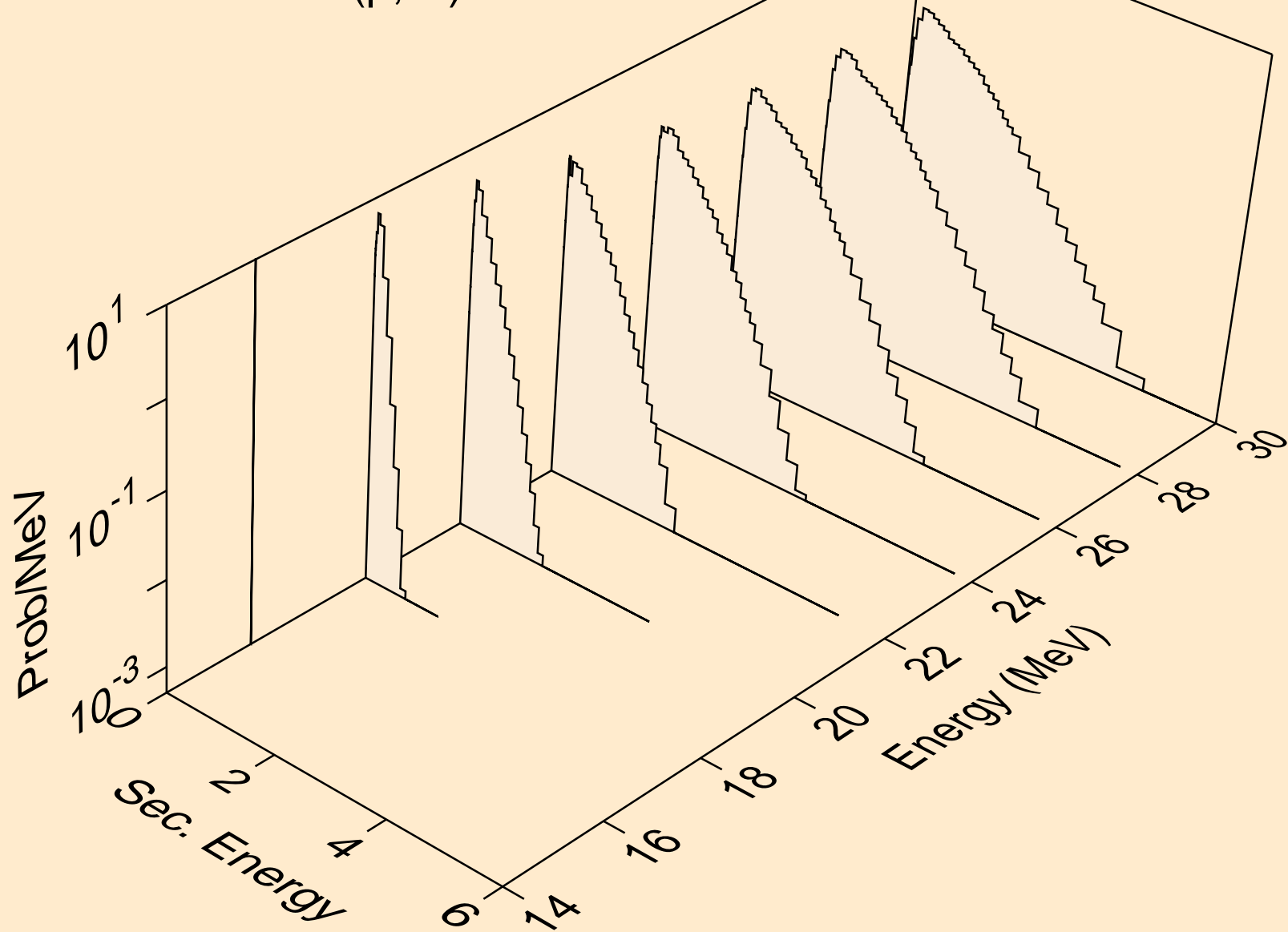
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neutrons from (p,n\*)p



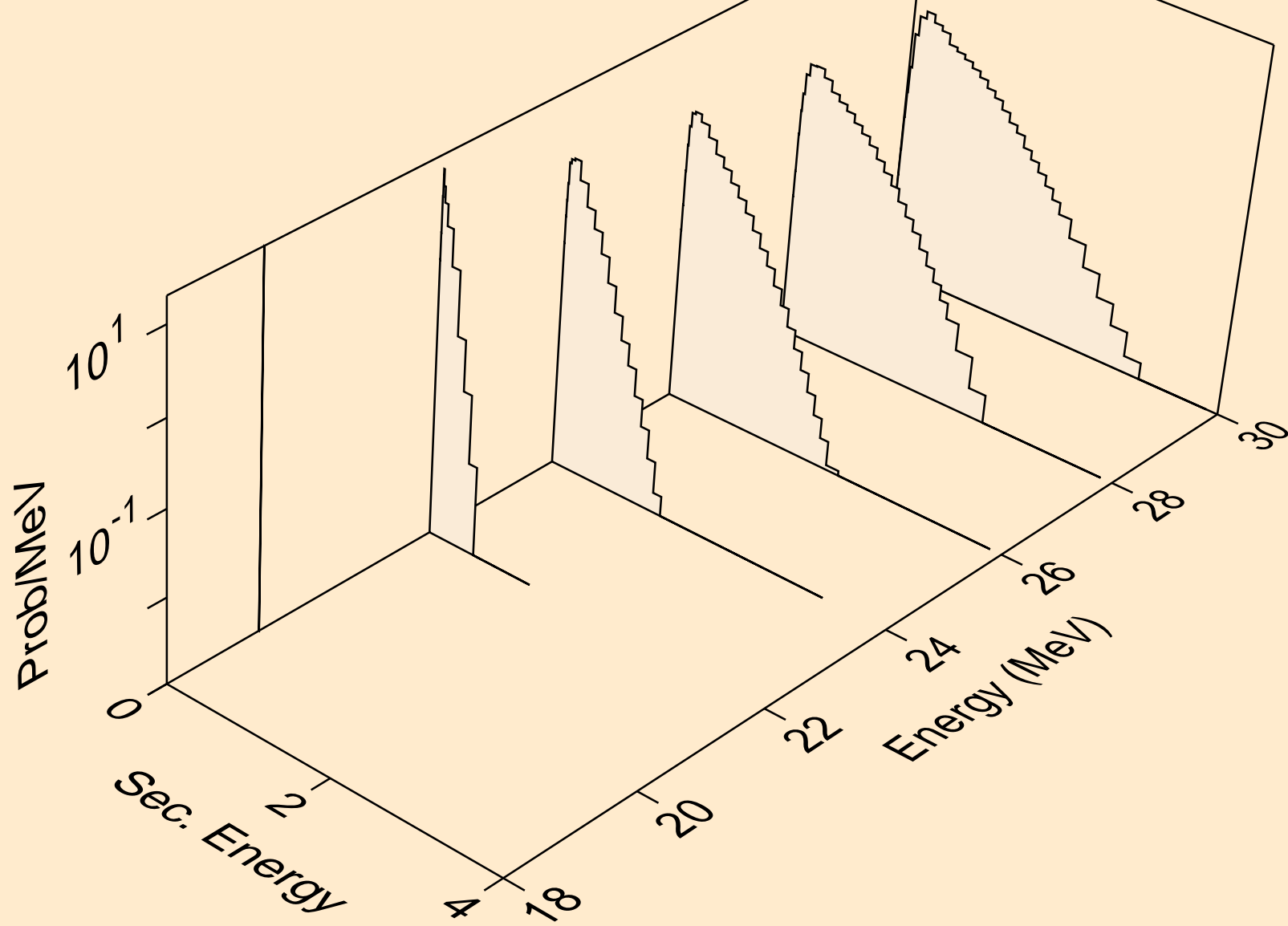
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neutrons from (p,n\*)2a



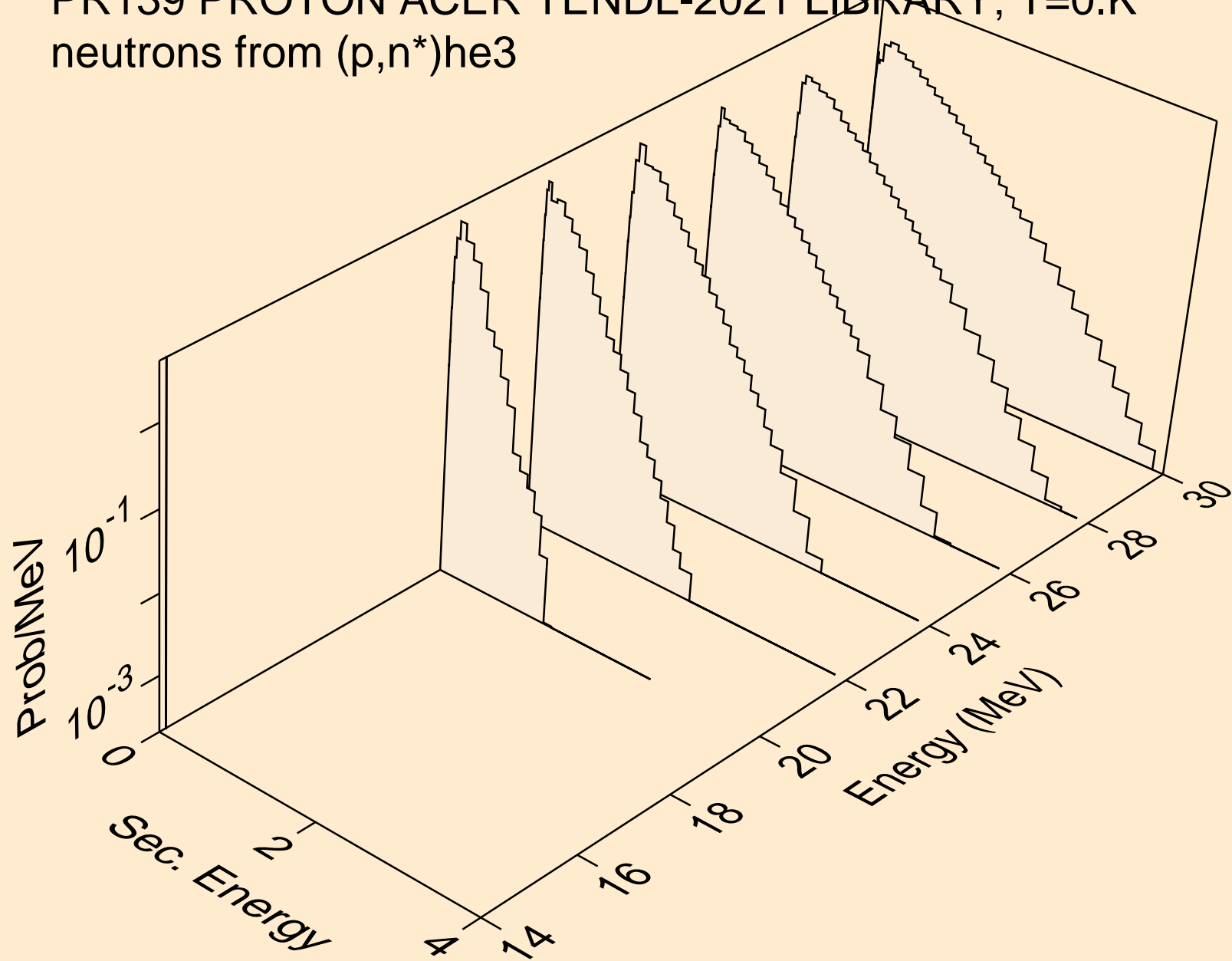
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neutrons from (p,n\*)d



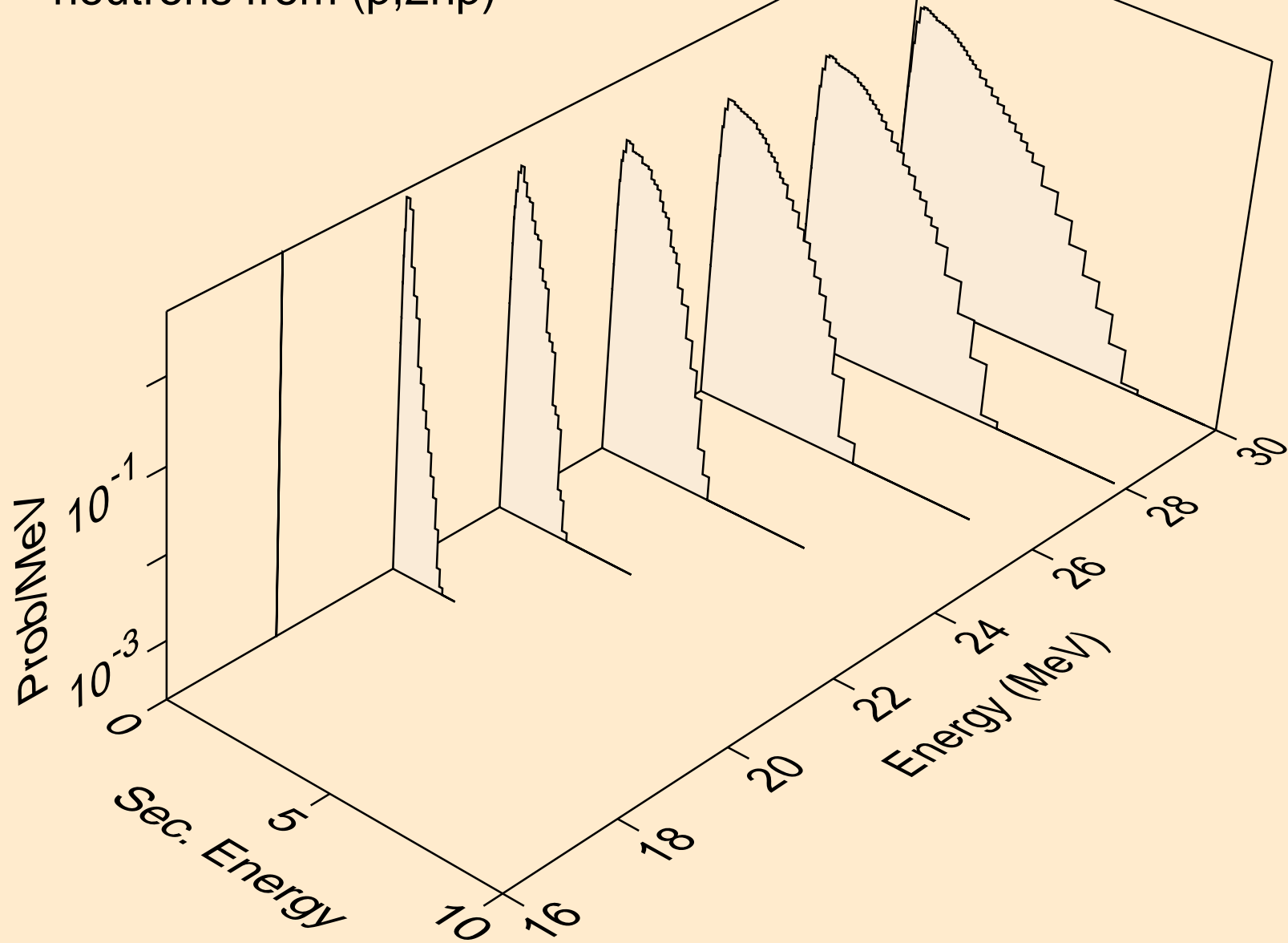
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neutrons from (p,n\*)t



PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)he3

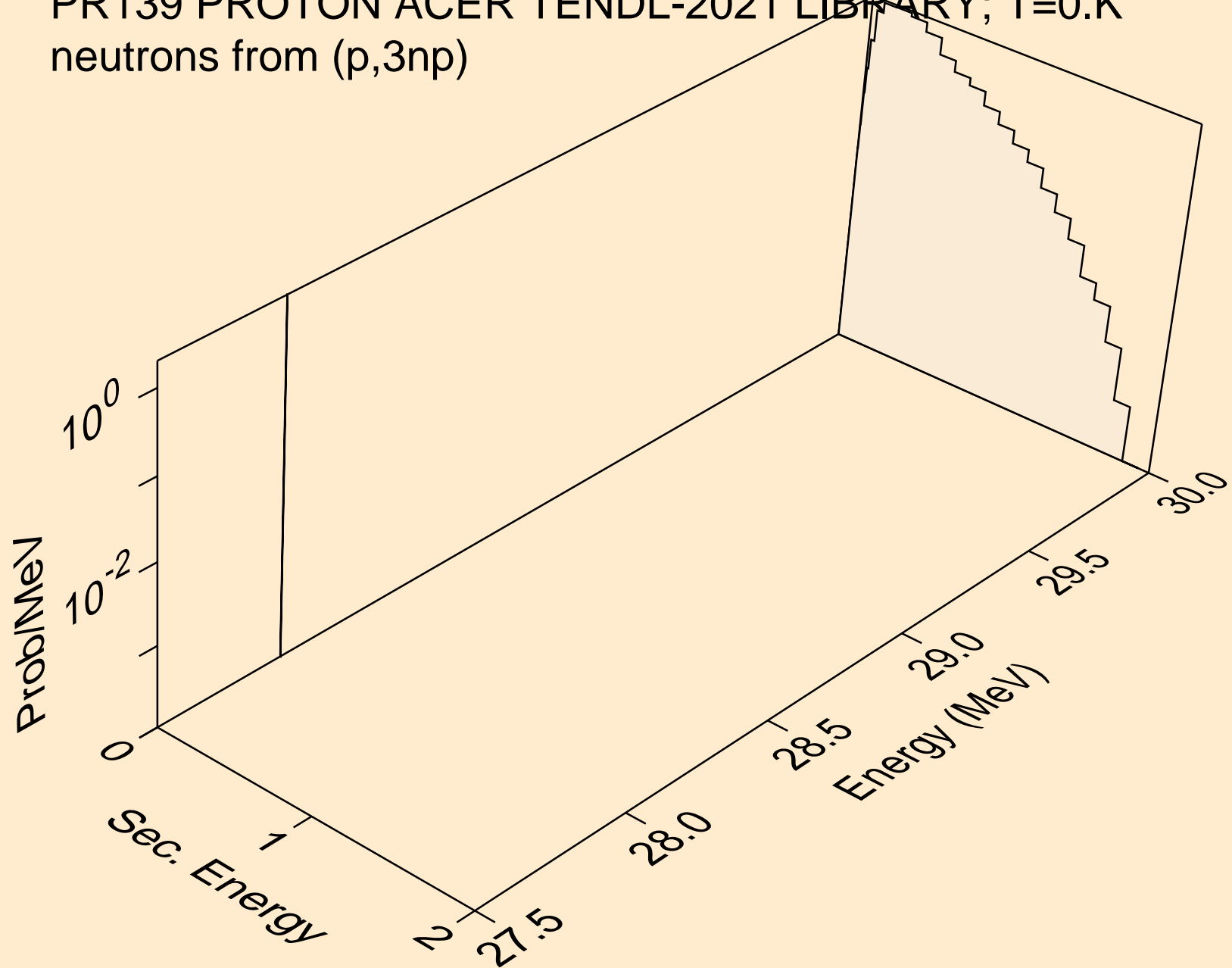


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neutrons from (p,2np)

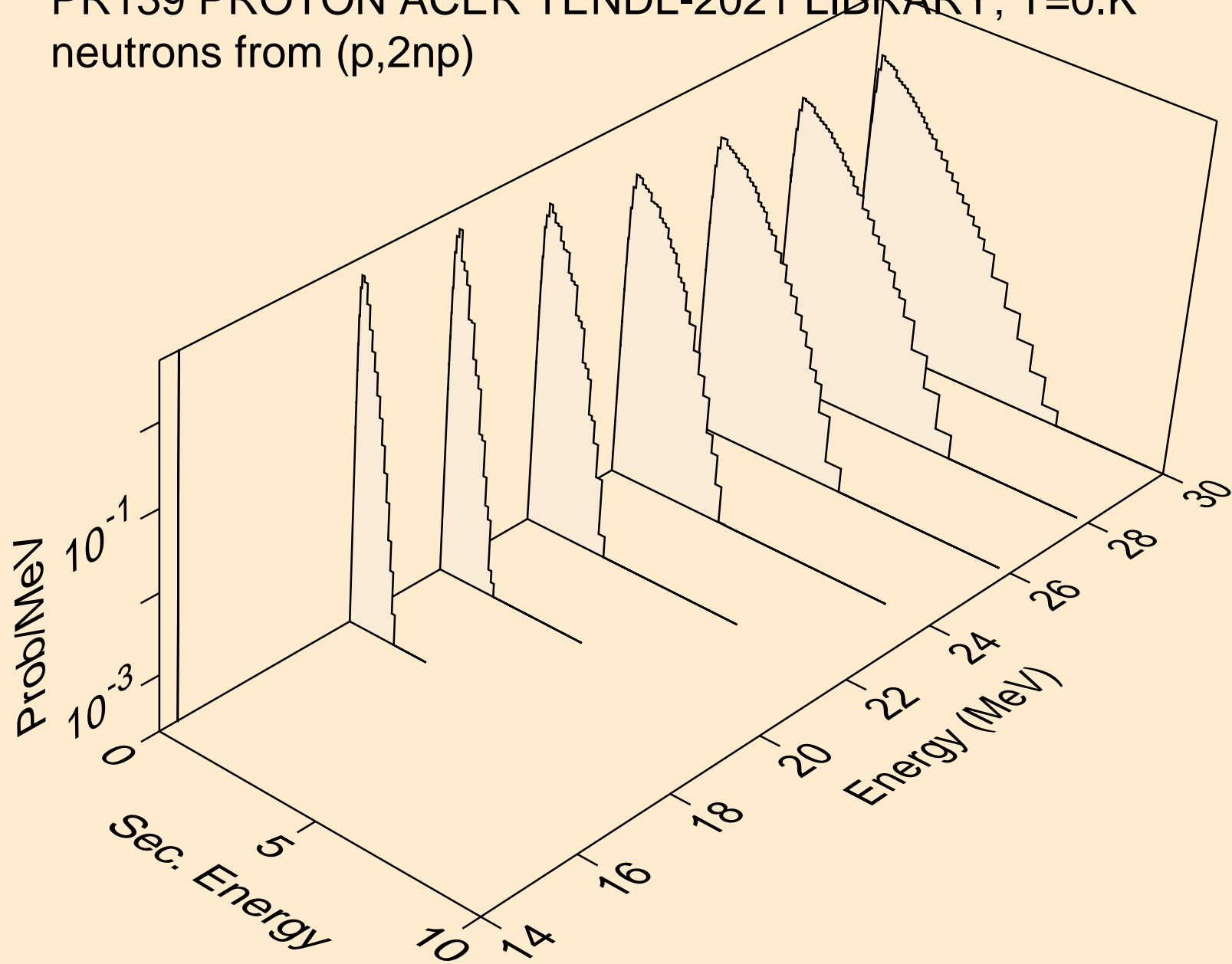




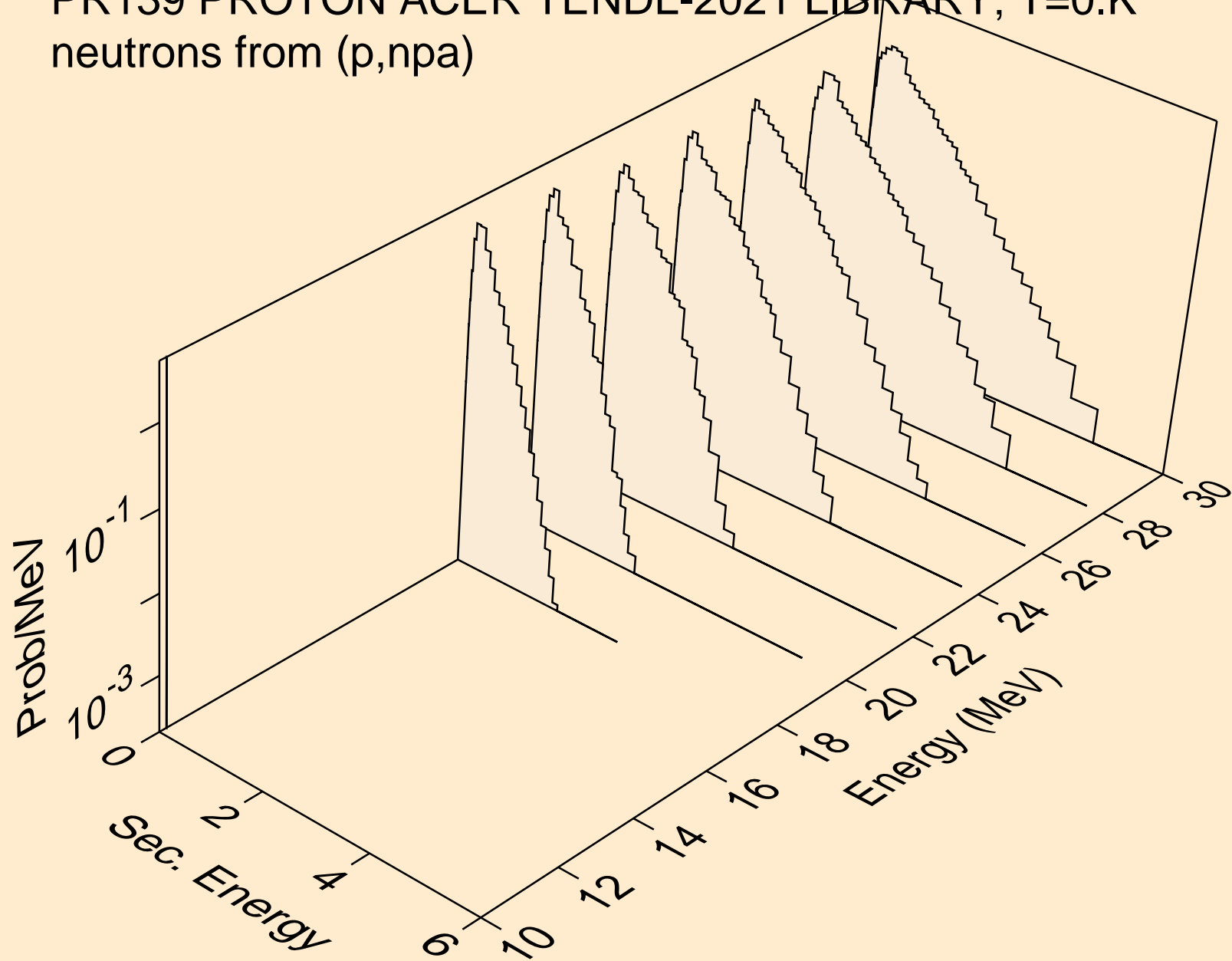
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neutrons from (p,3np)



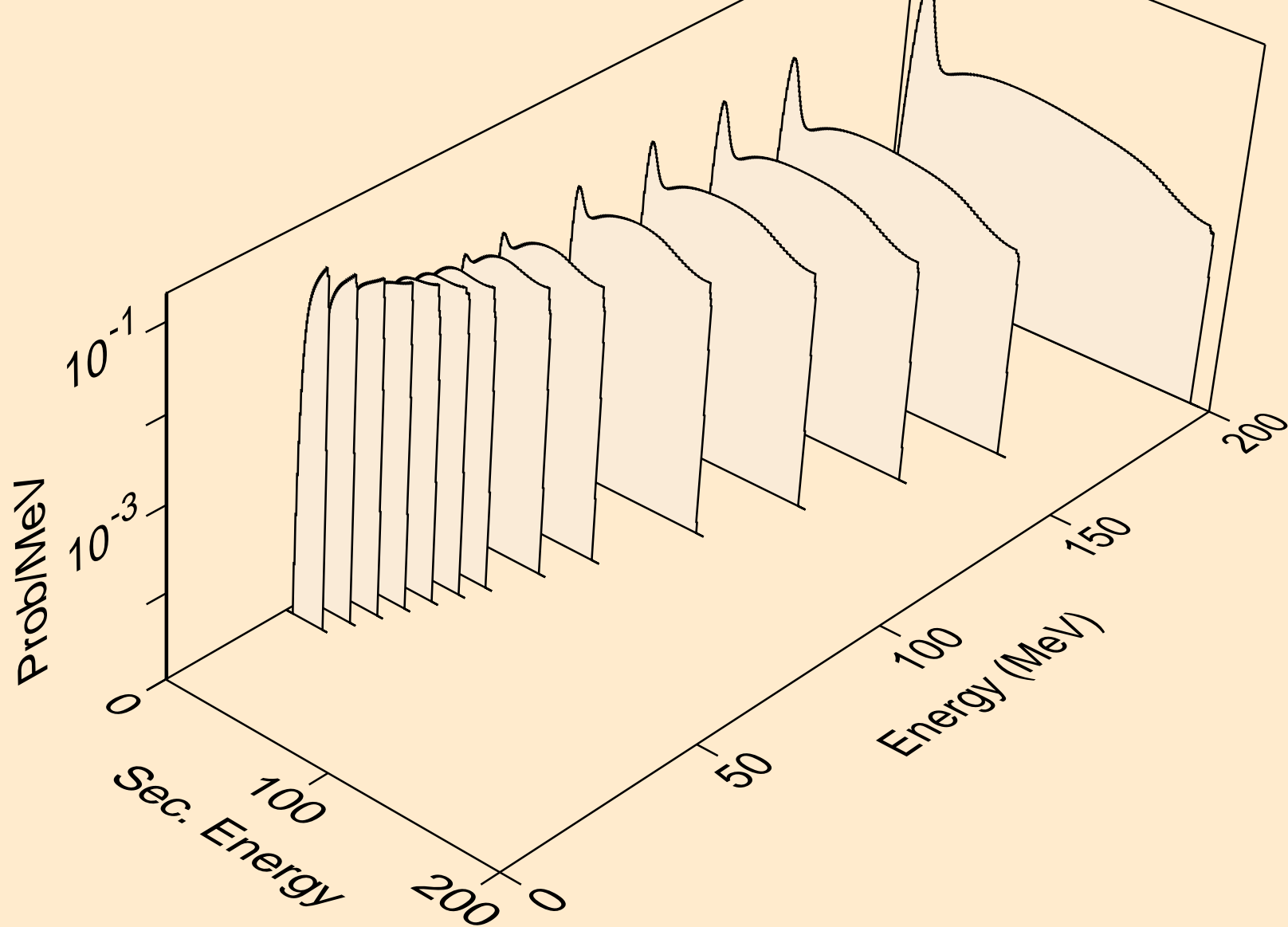
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neutrons from (p,2np)



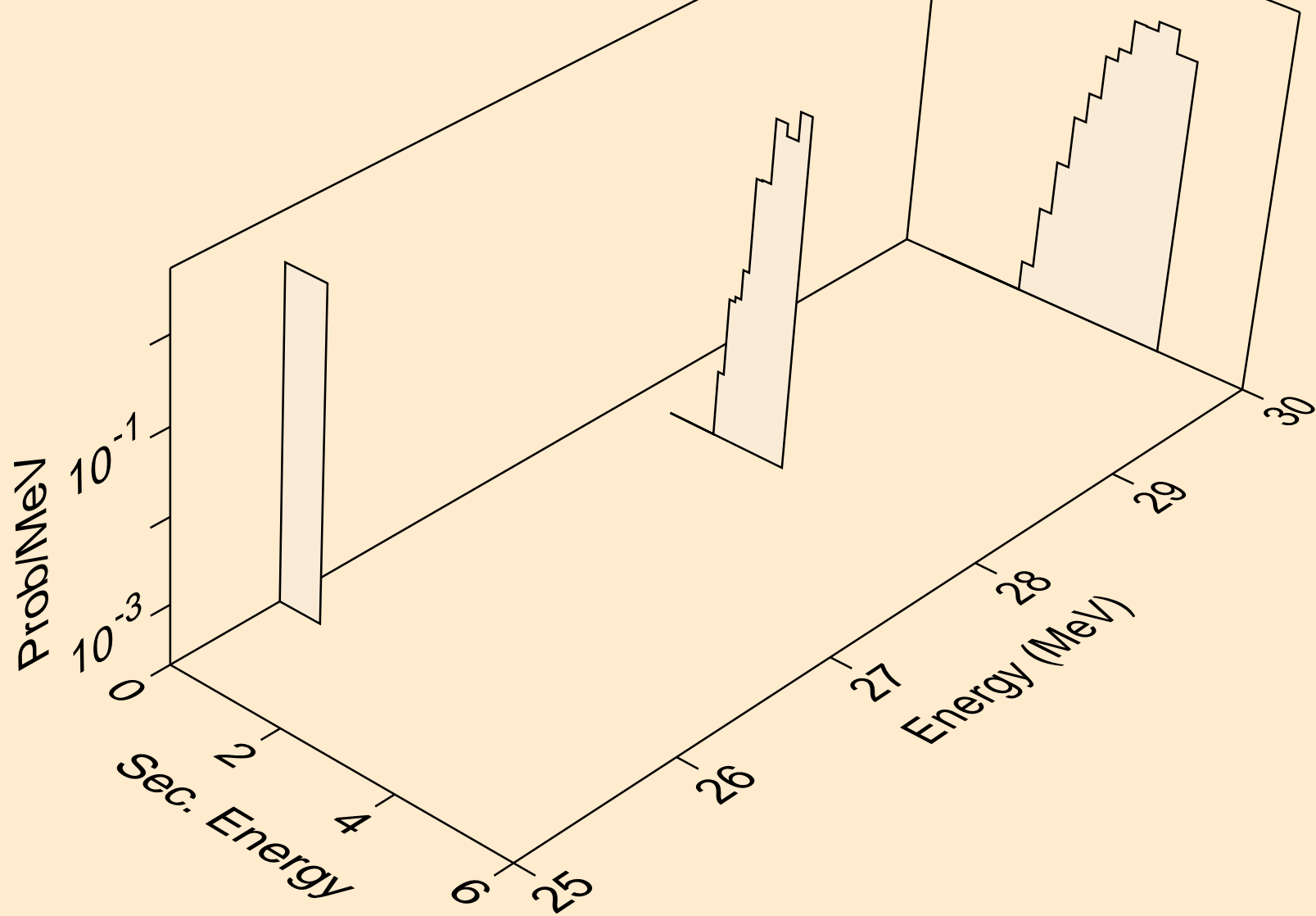
PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,npa)



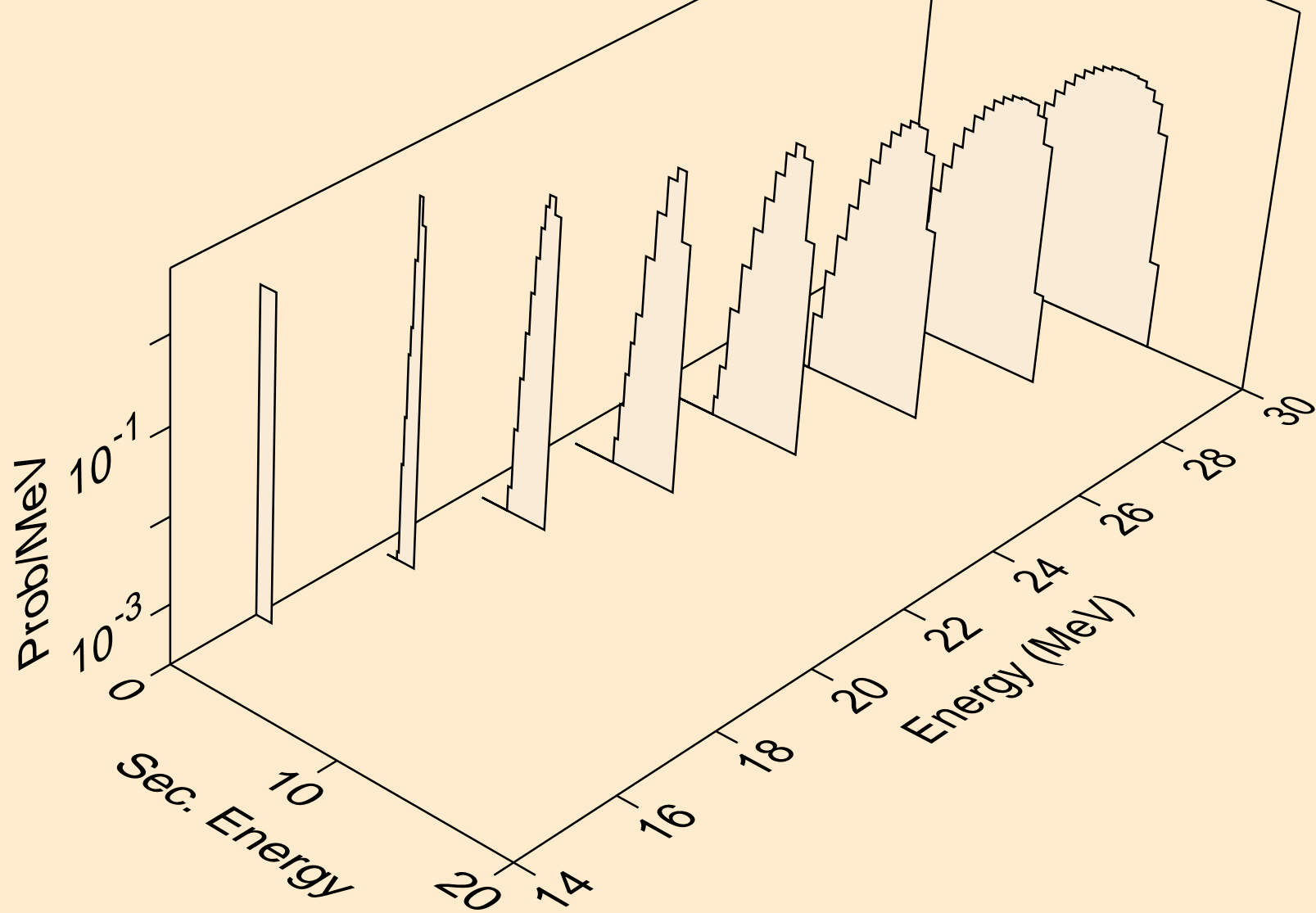
PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,x)



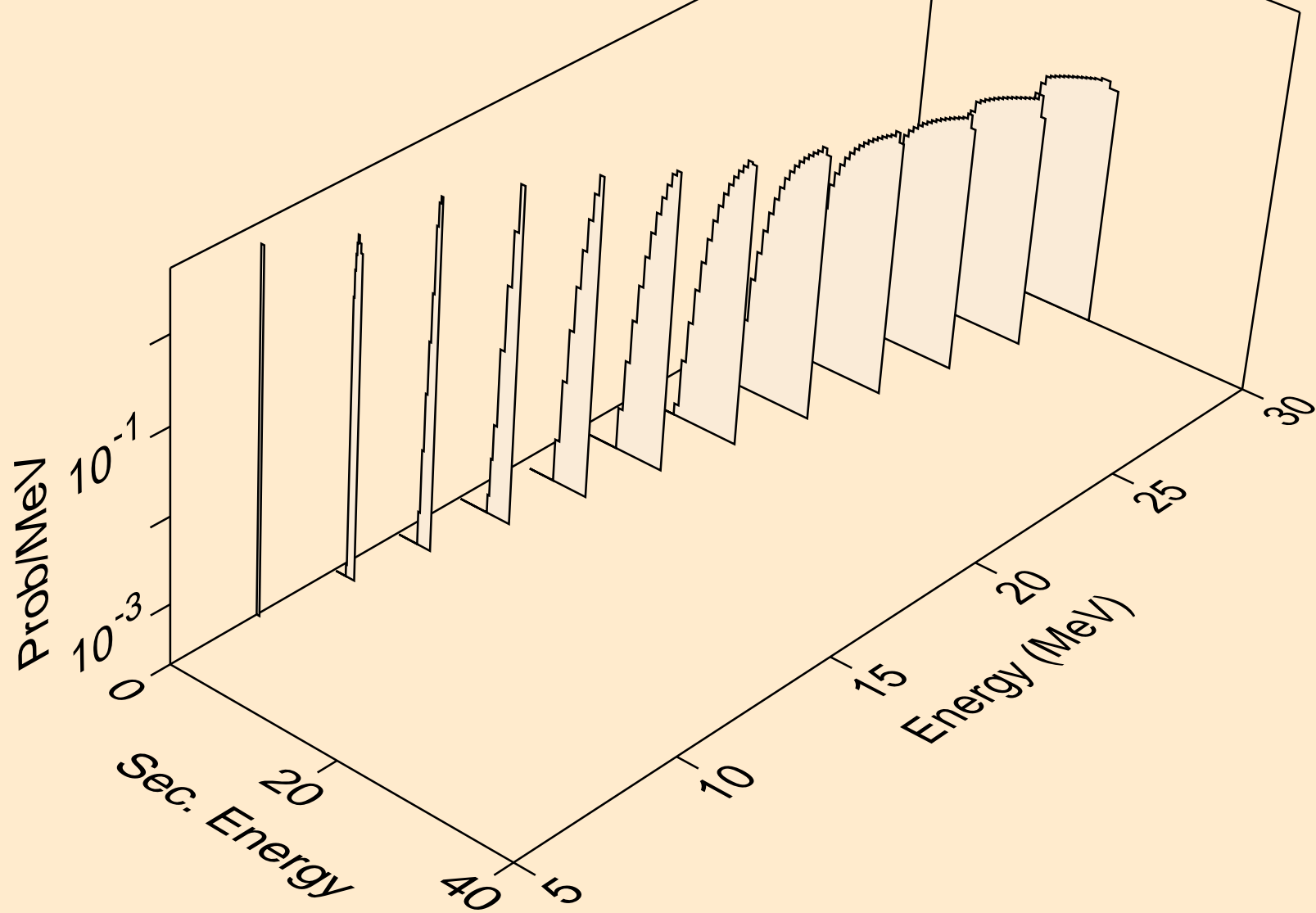
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deuterons from (p,2nd)



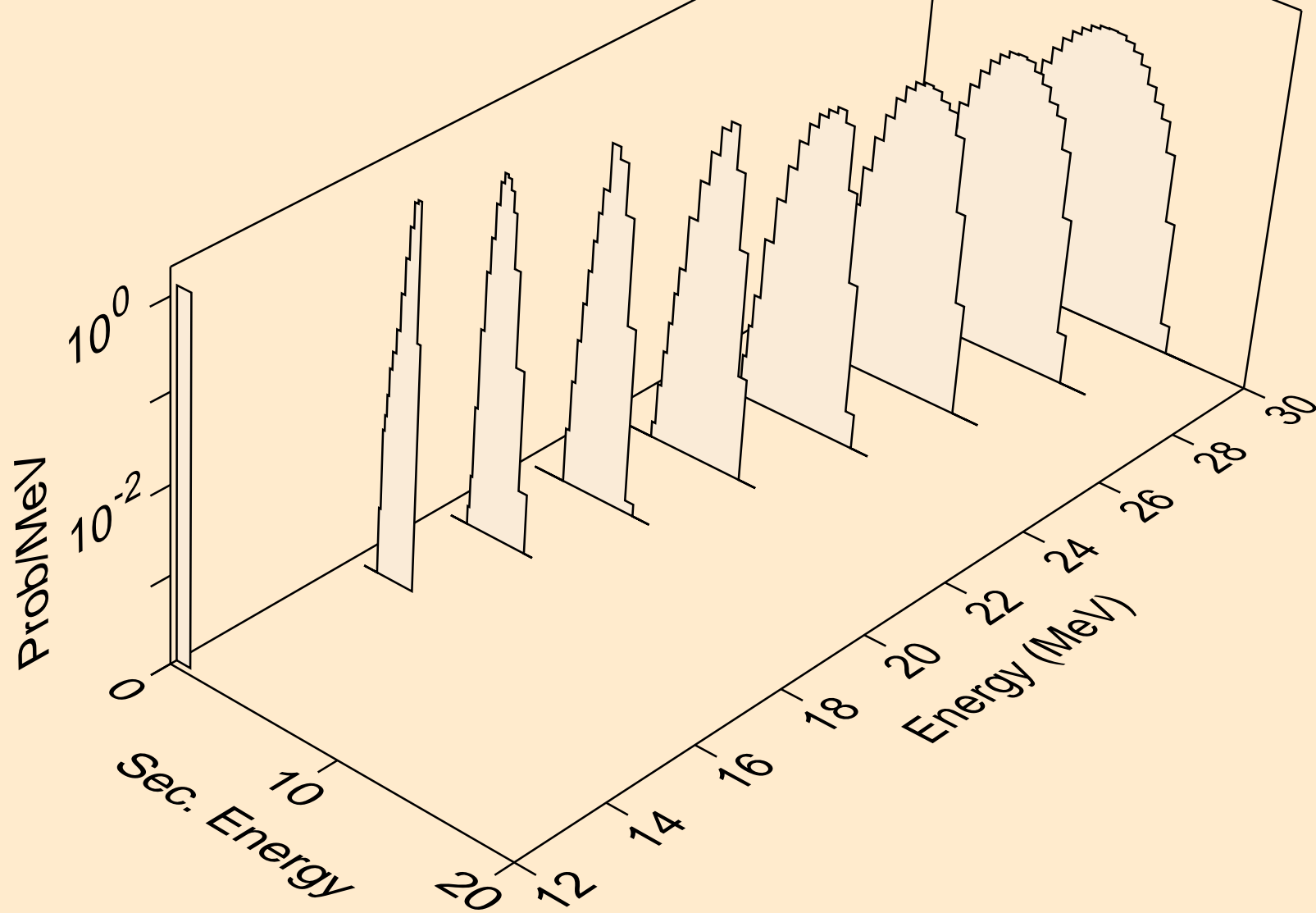
PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,n\*)d



PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,d)

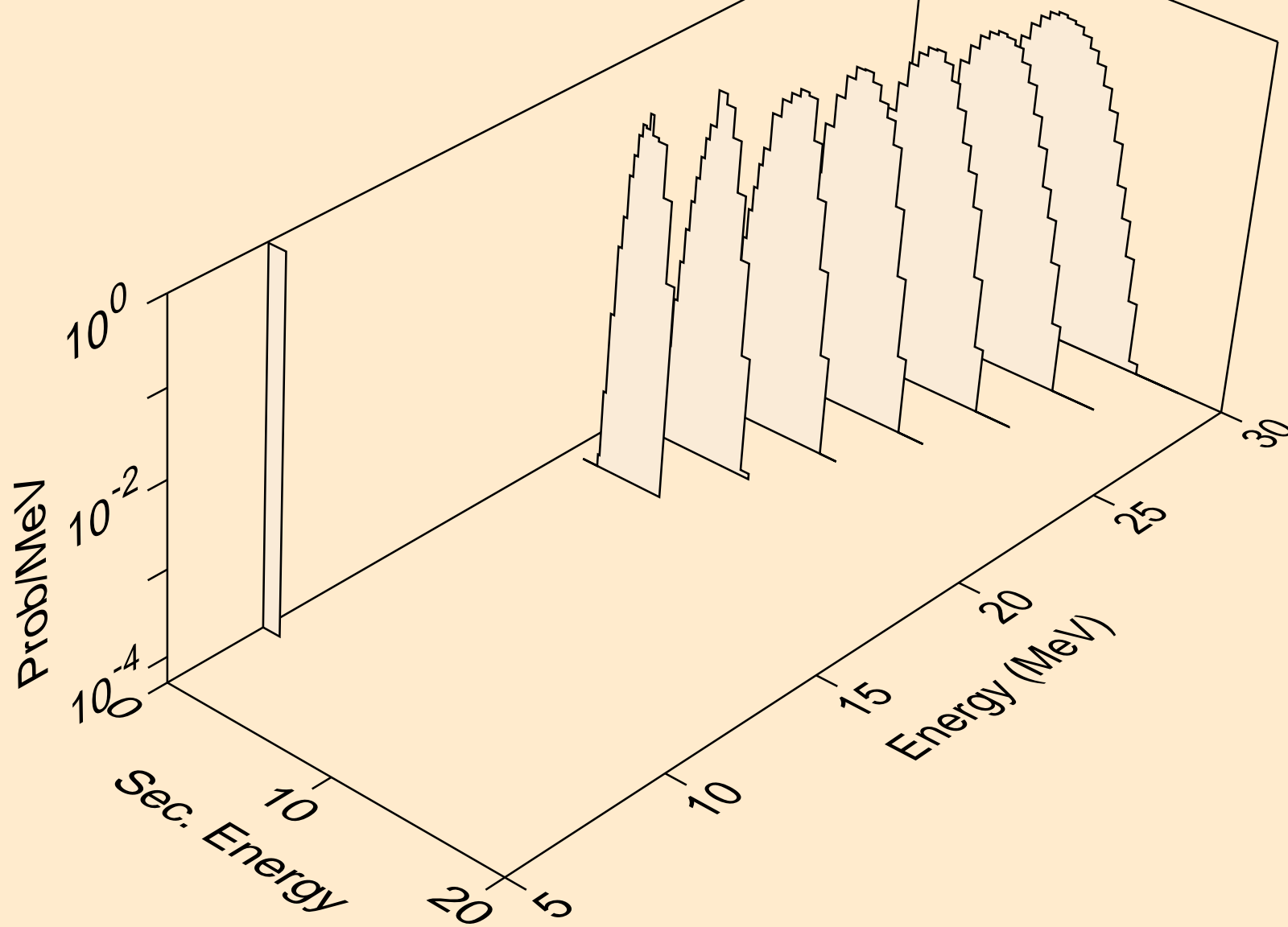


PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,pd)

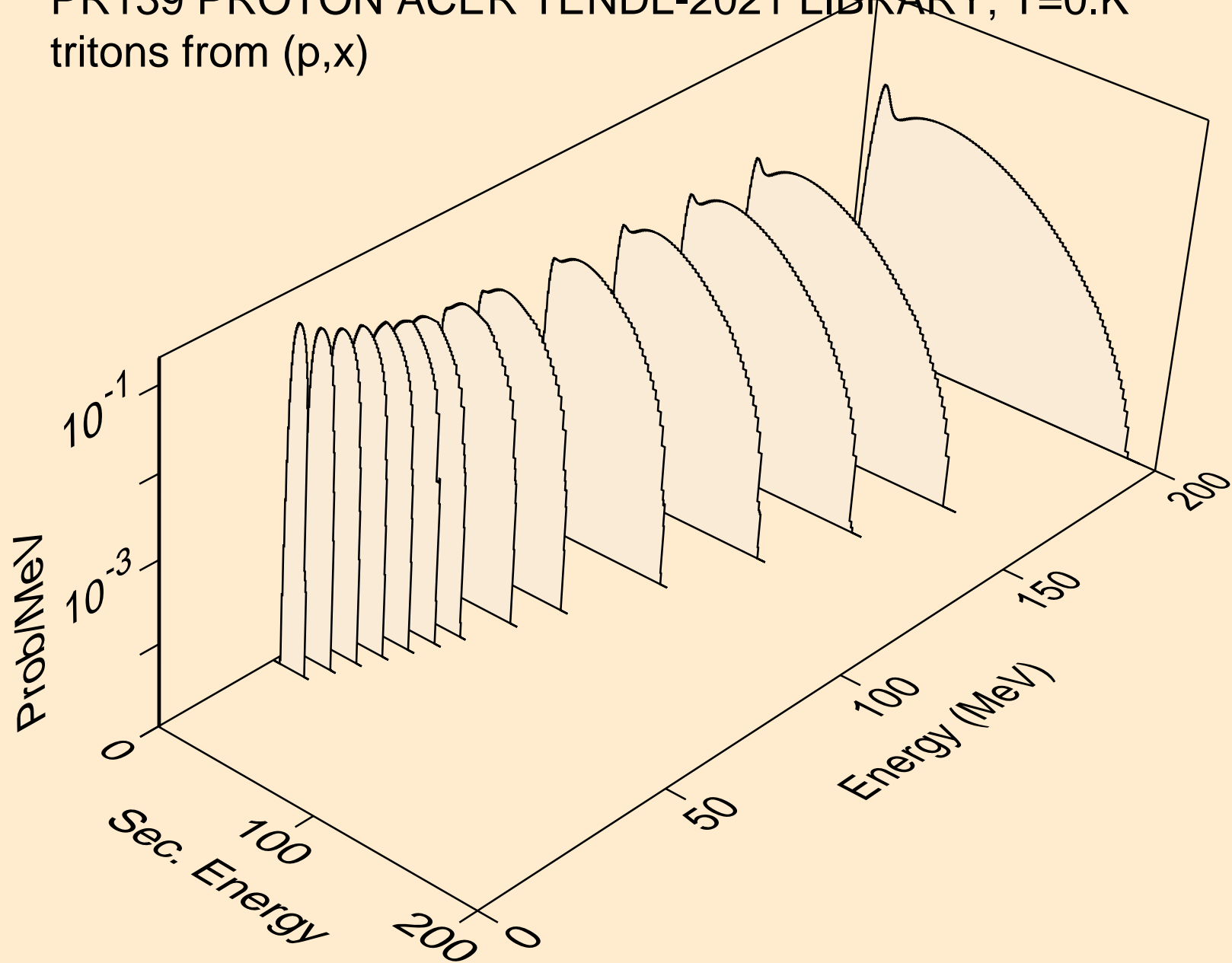




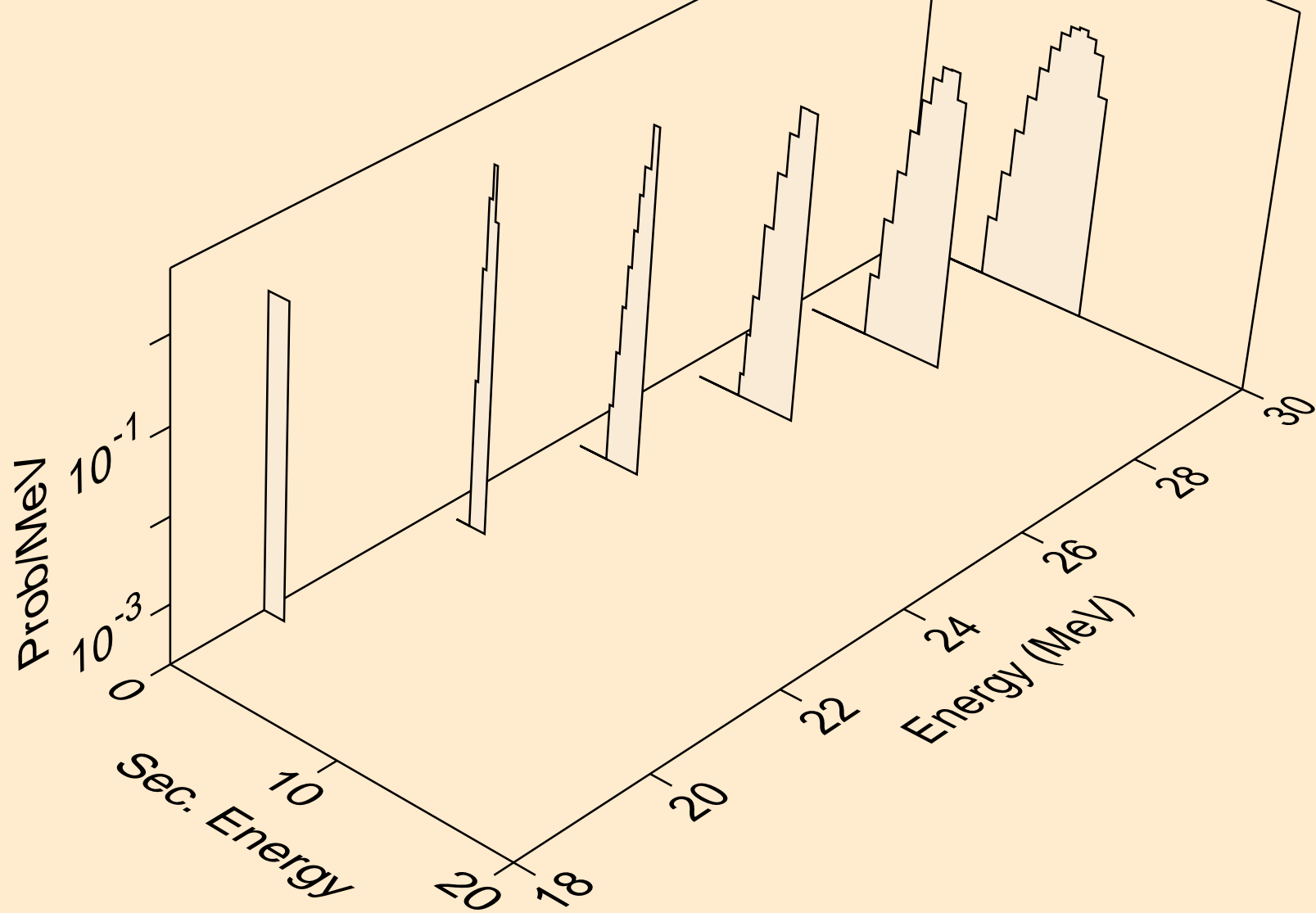
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deuterons from (p,da)



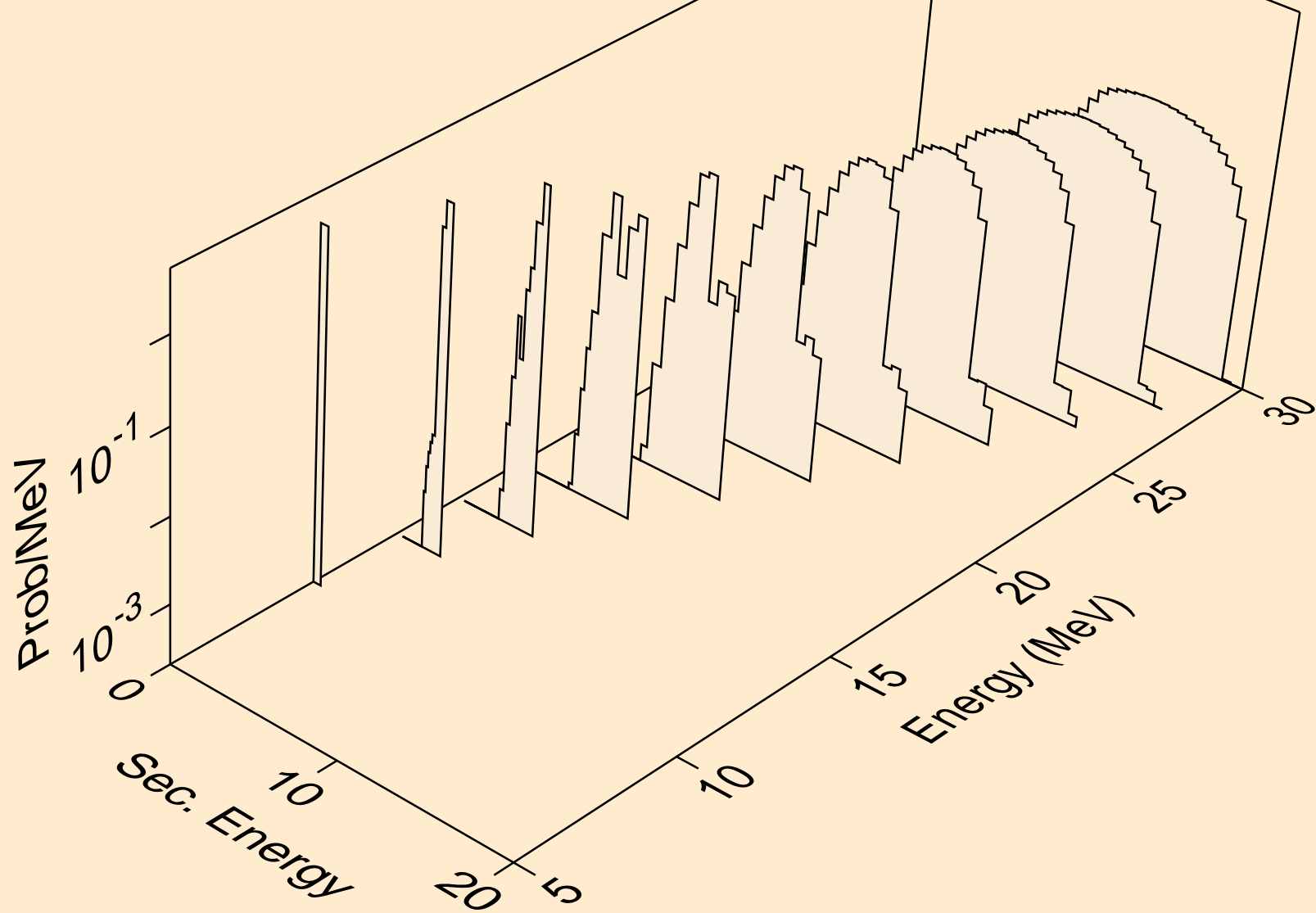
PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,x)



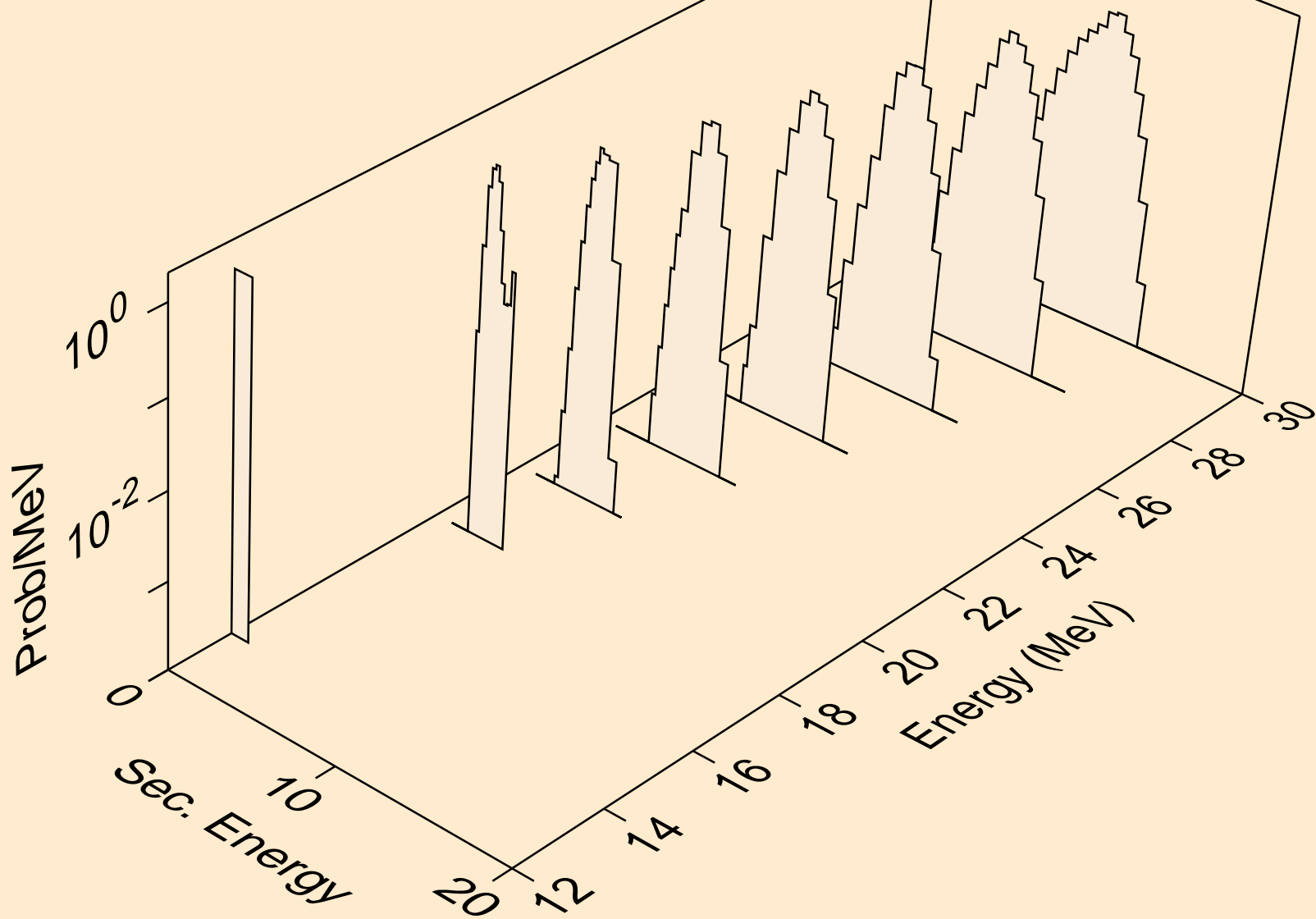
PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,n\*)t



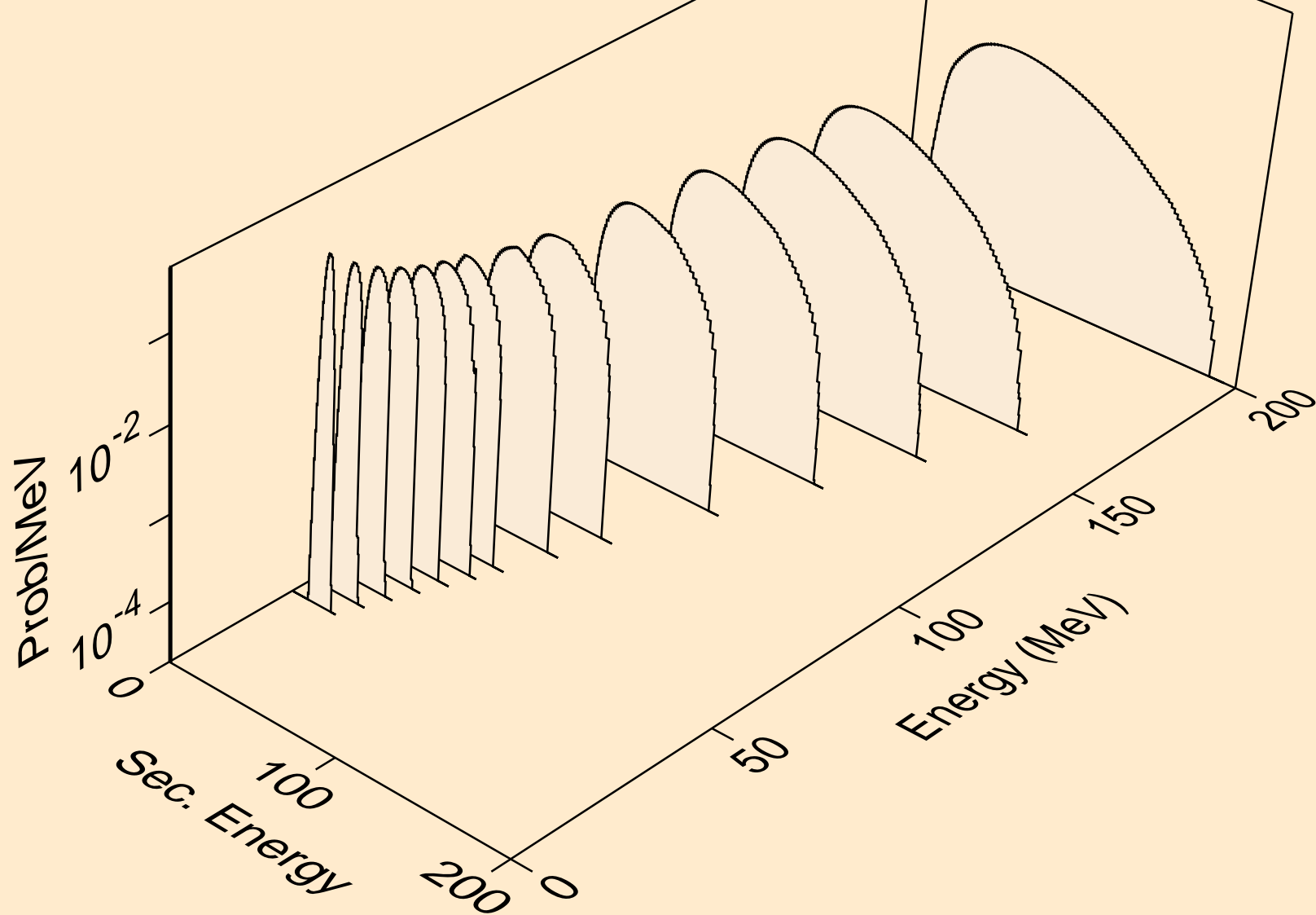
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tritons from (p,t)



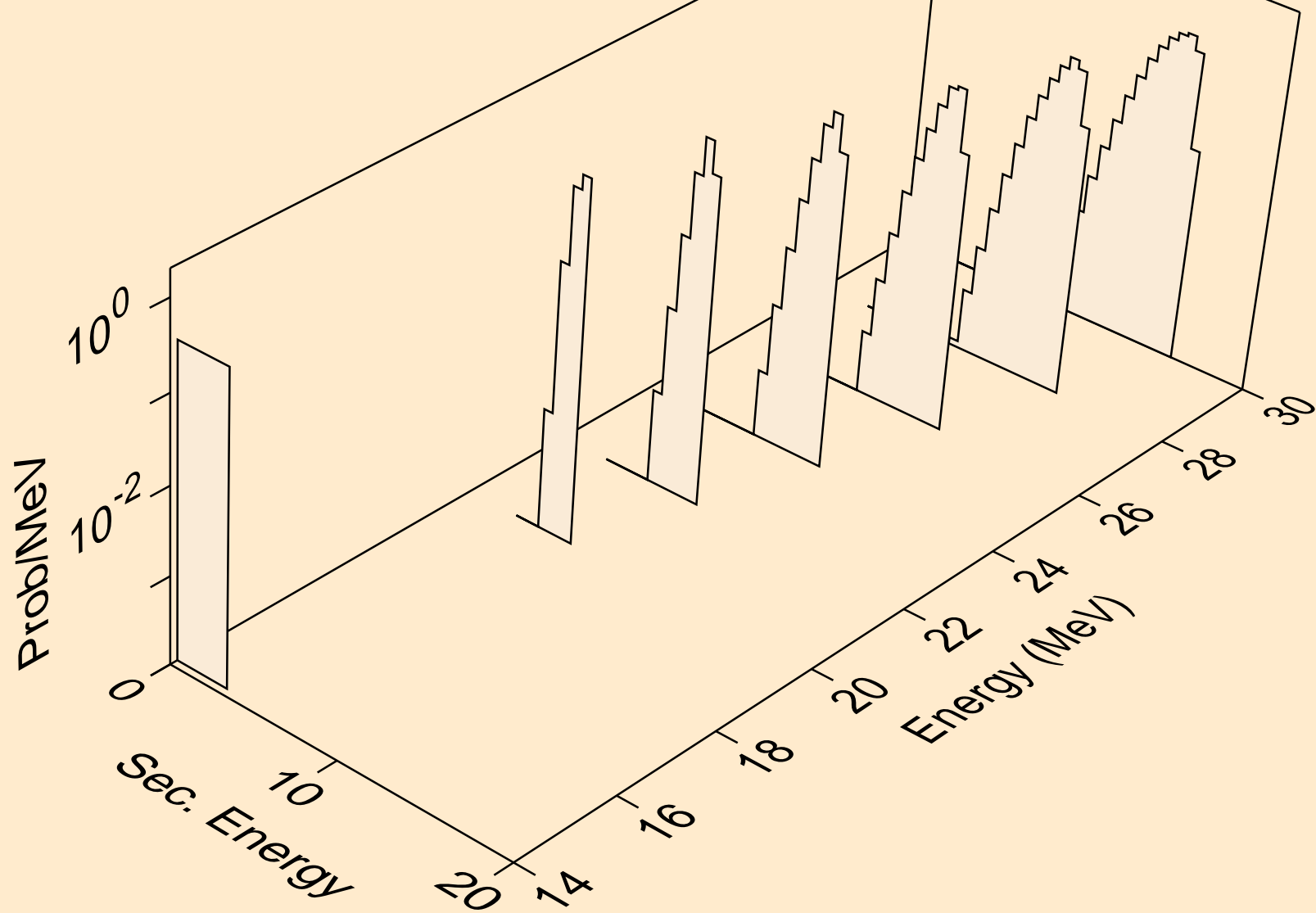
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tritons from (p,pt)



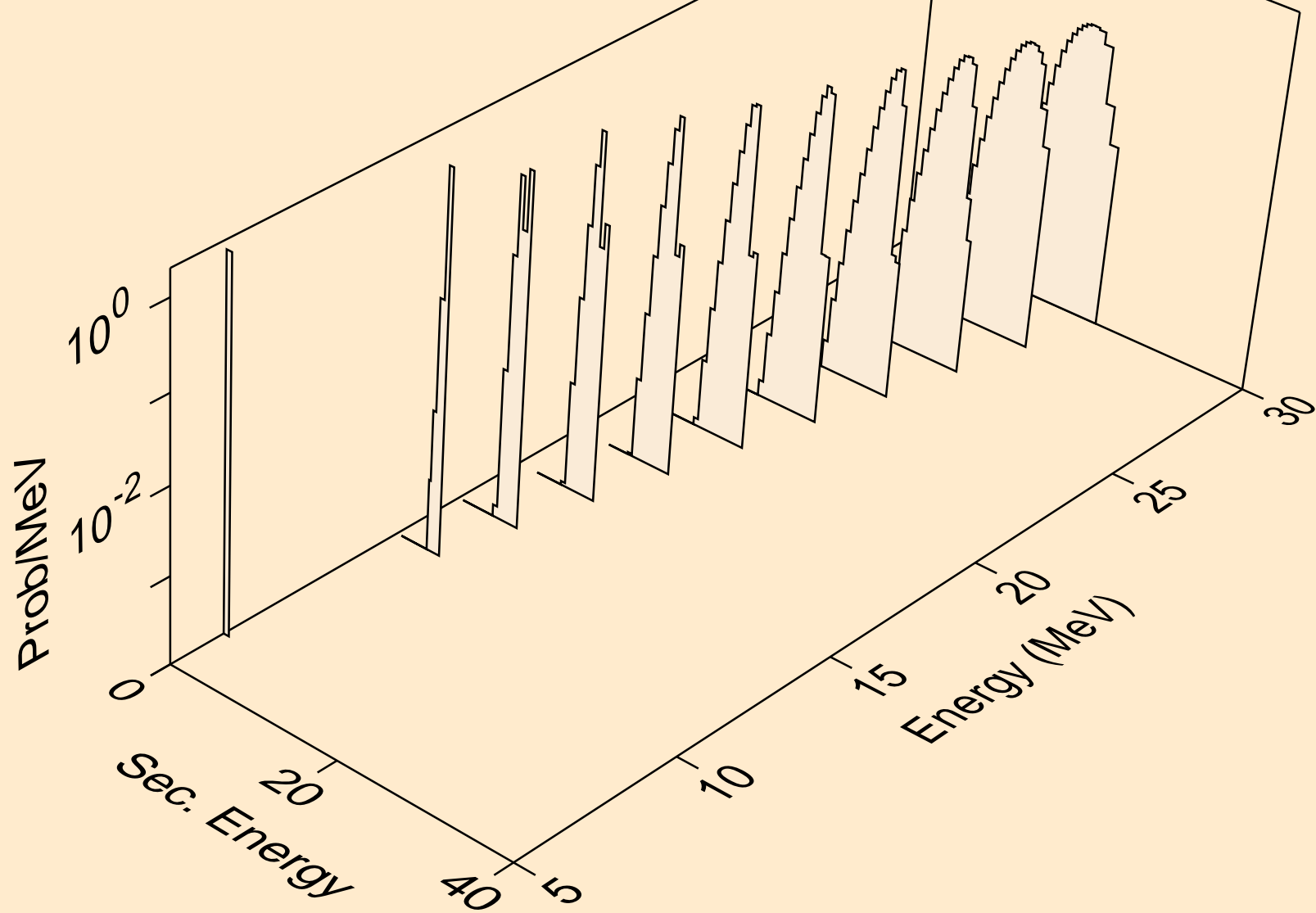
PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,x)



PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,n\*)he3

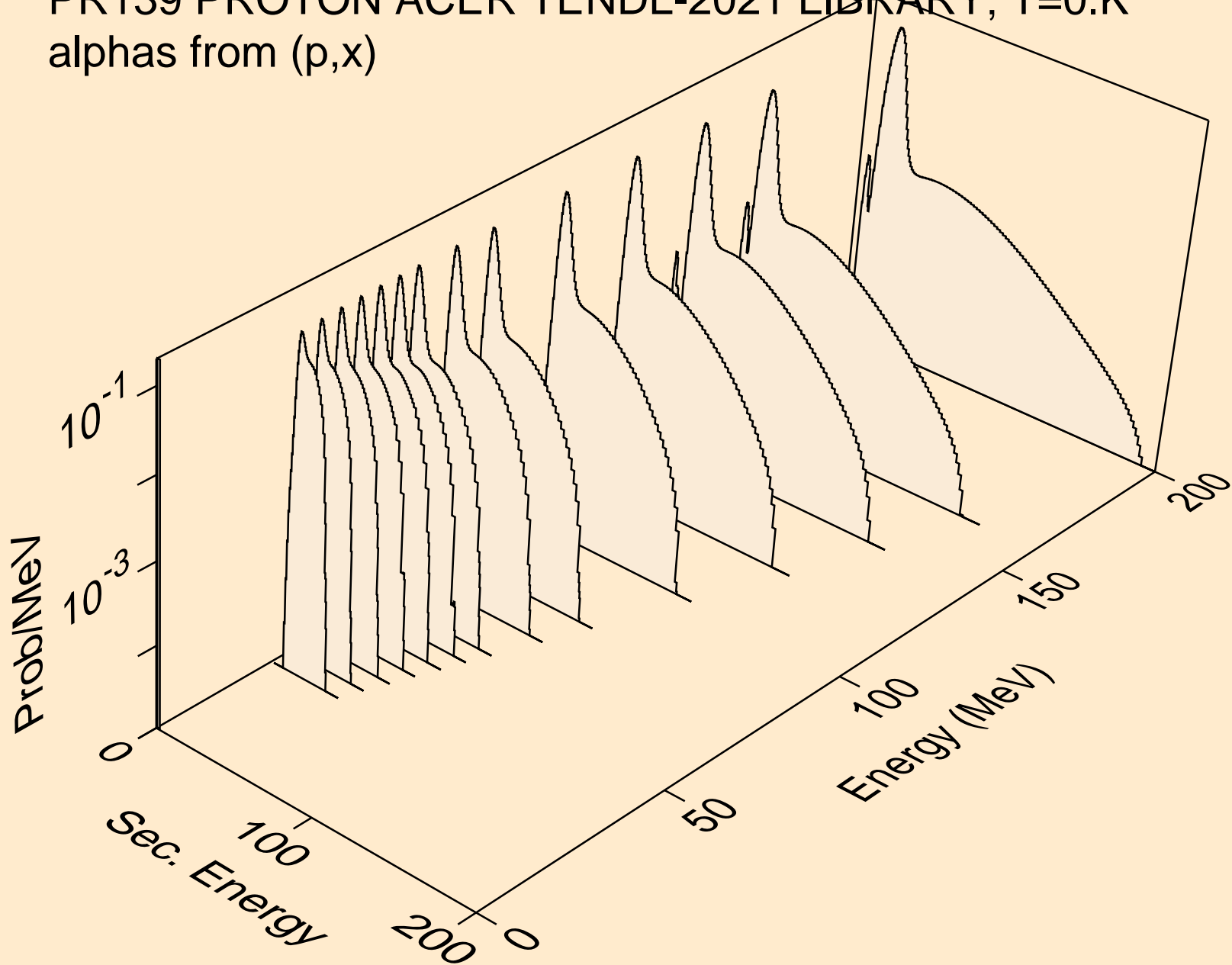


PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,he3)

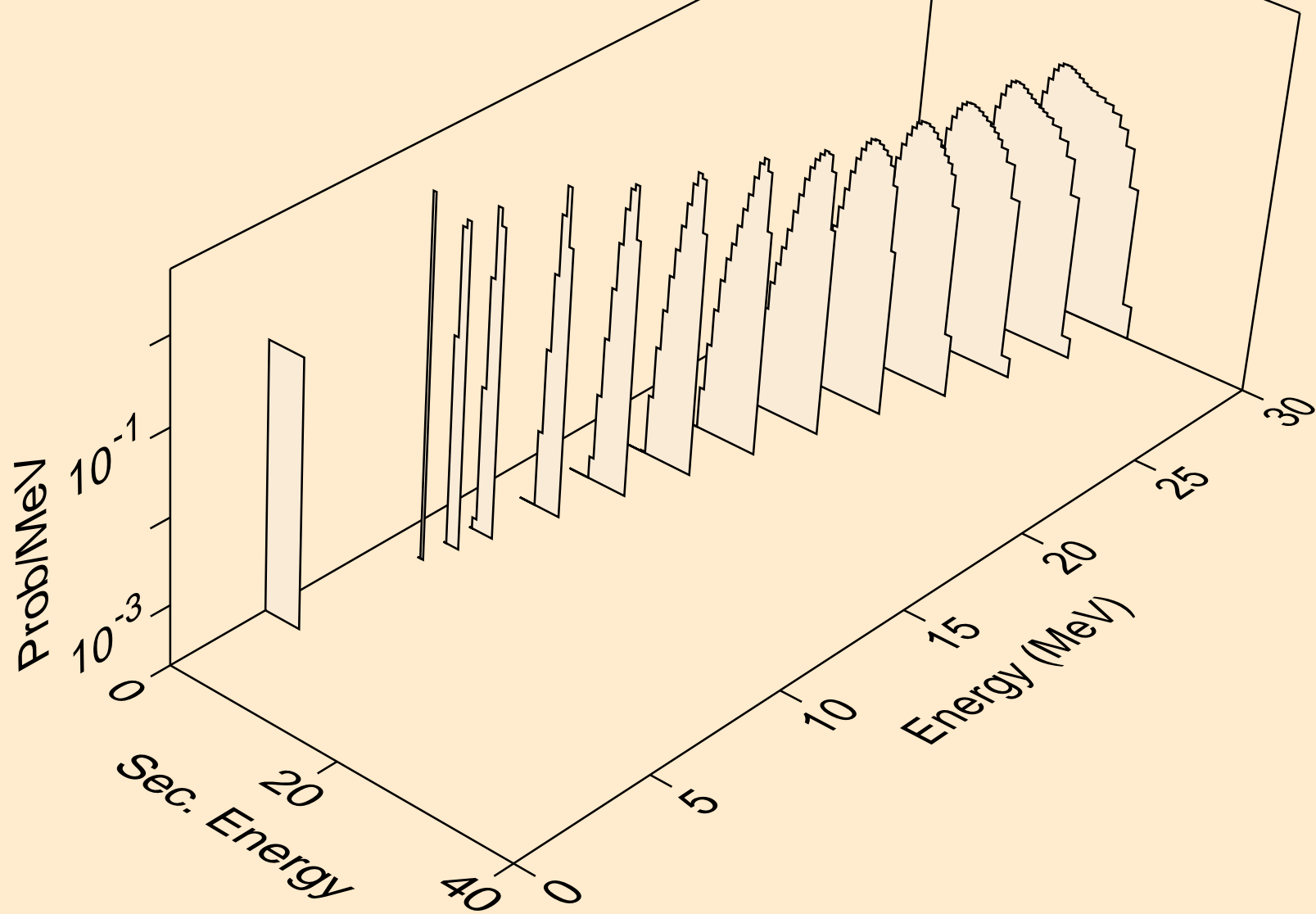




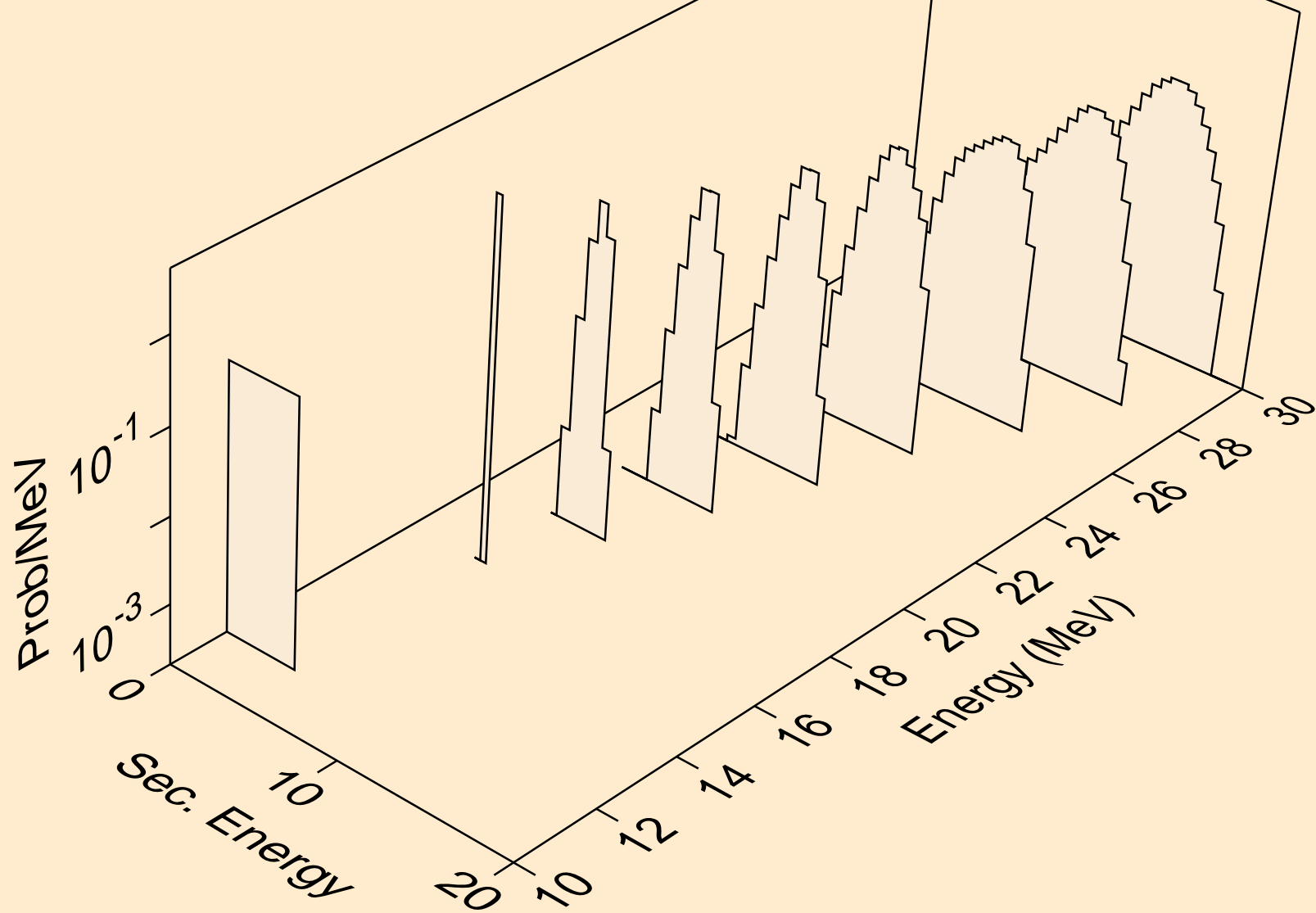
PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,x)



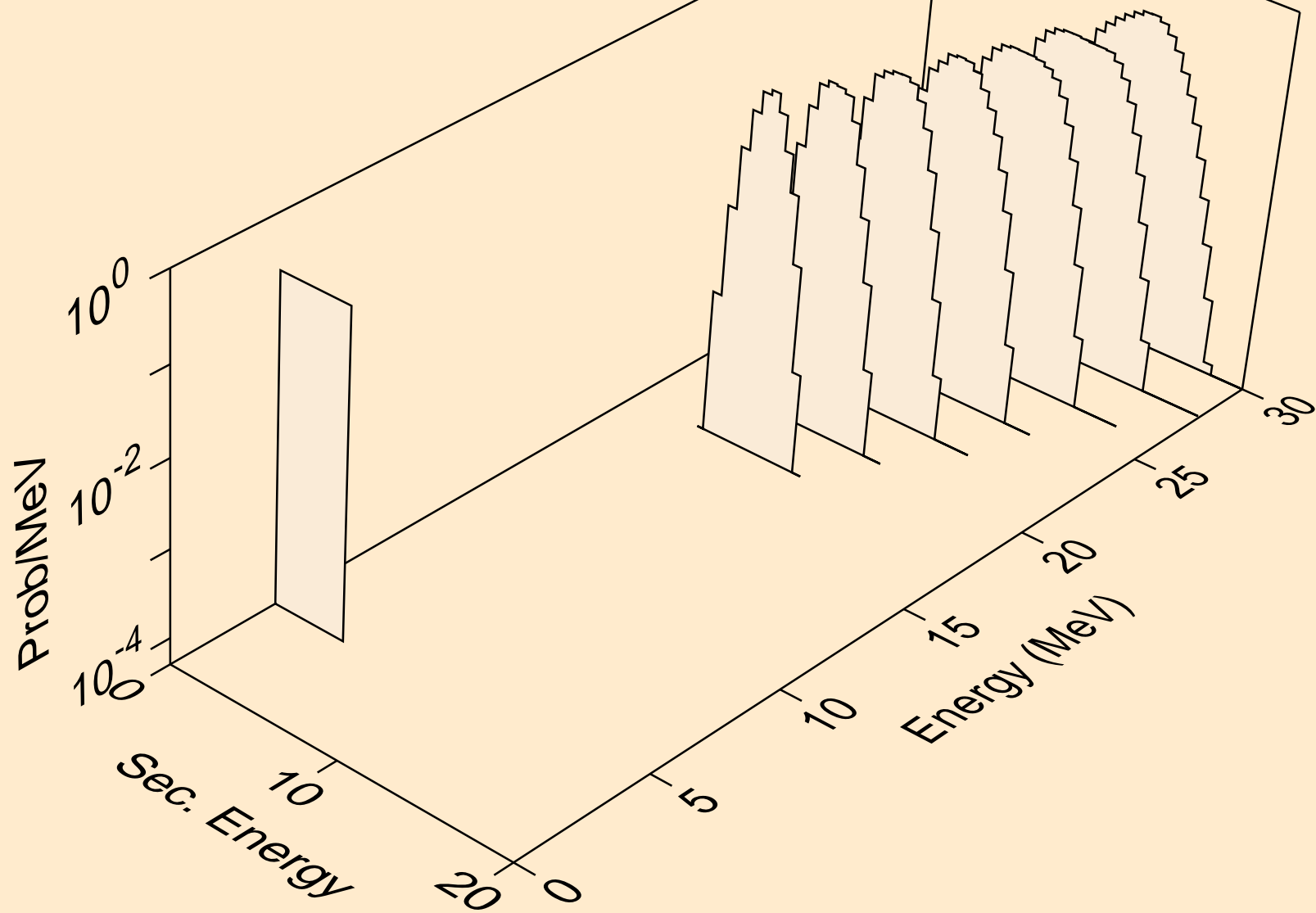
PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)a



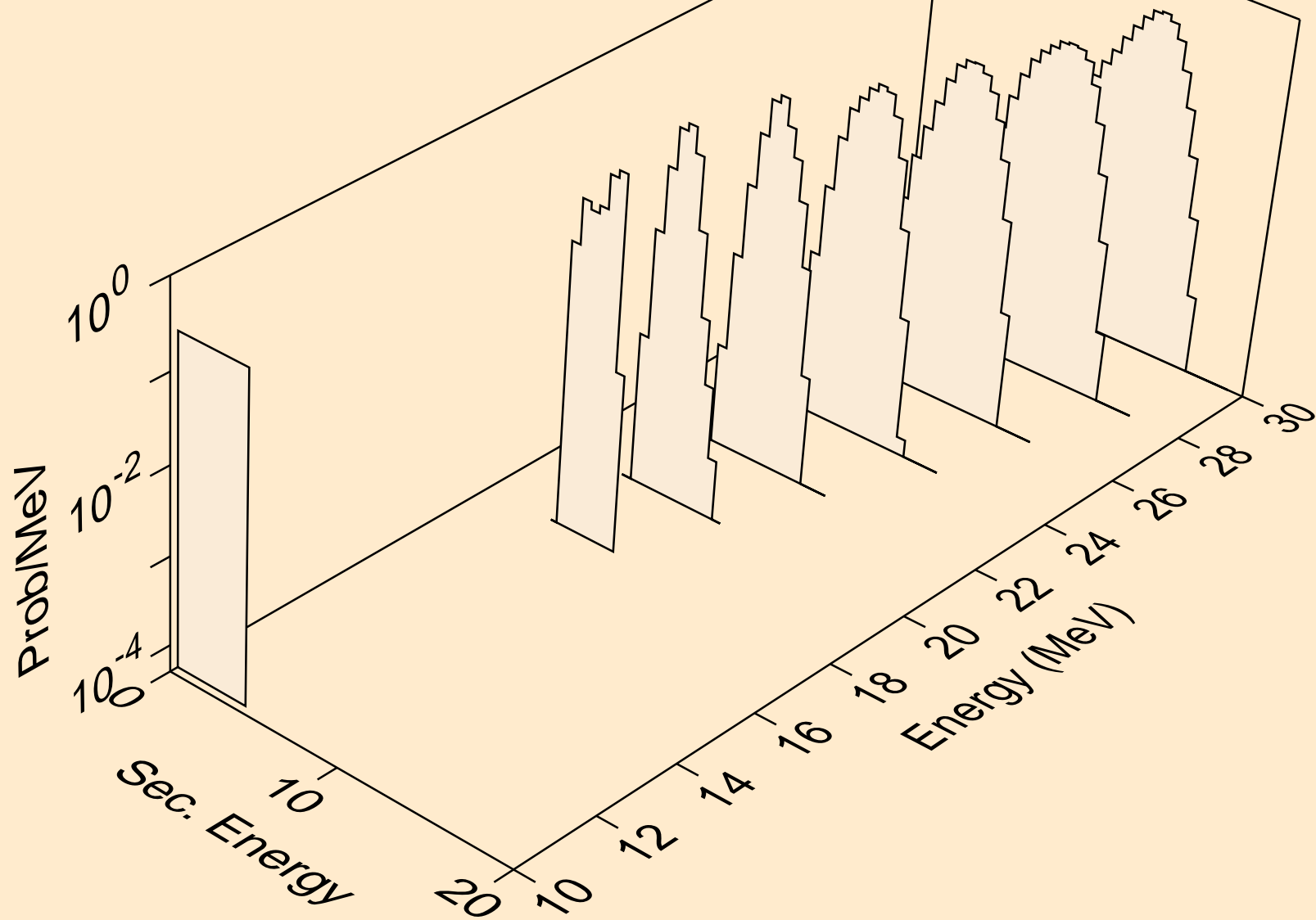
PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2n)a



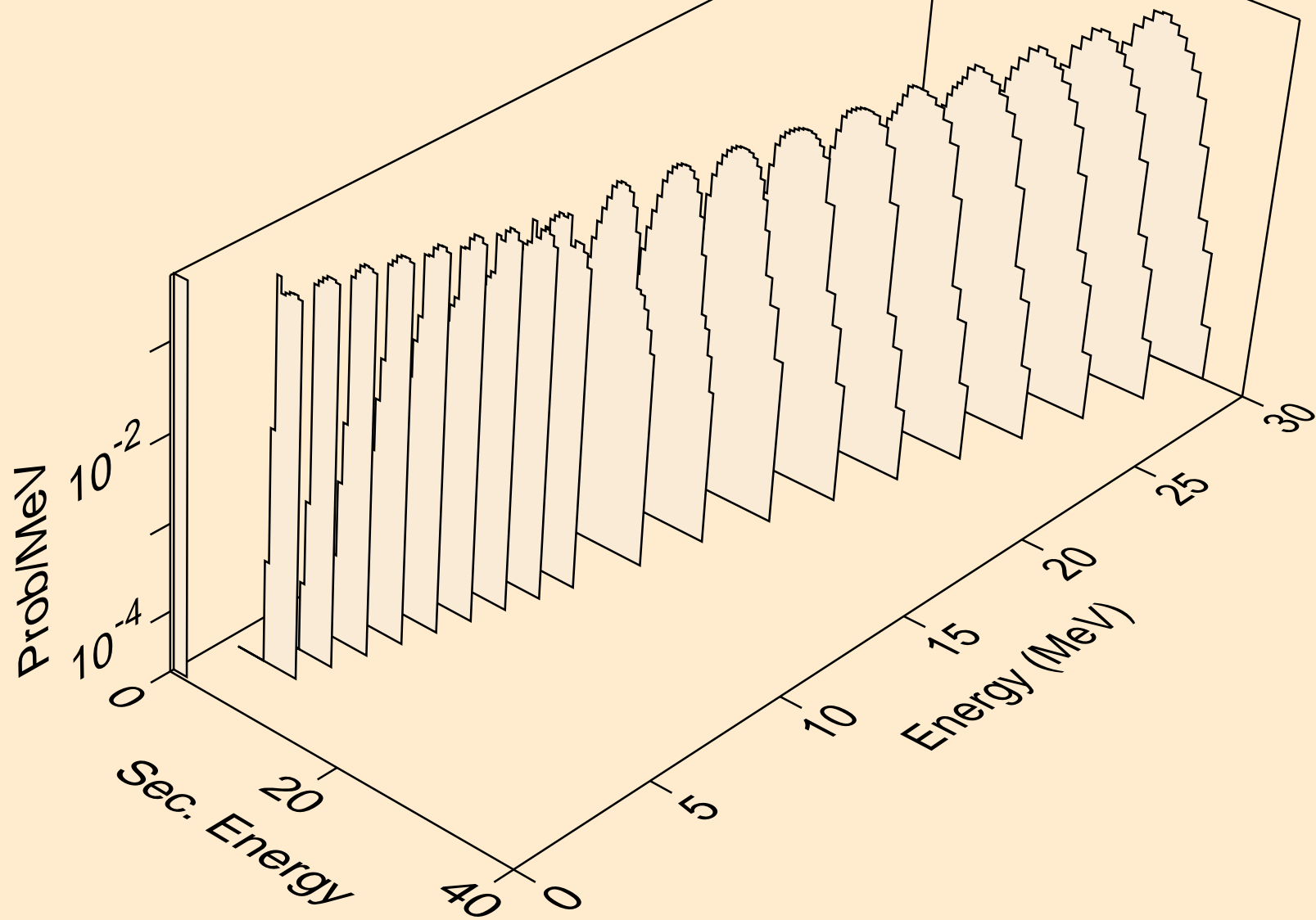
PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)2a



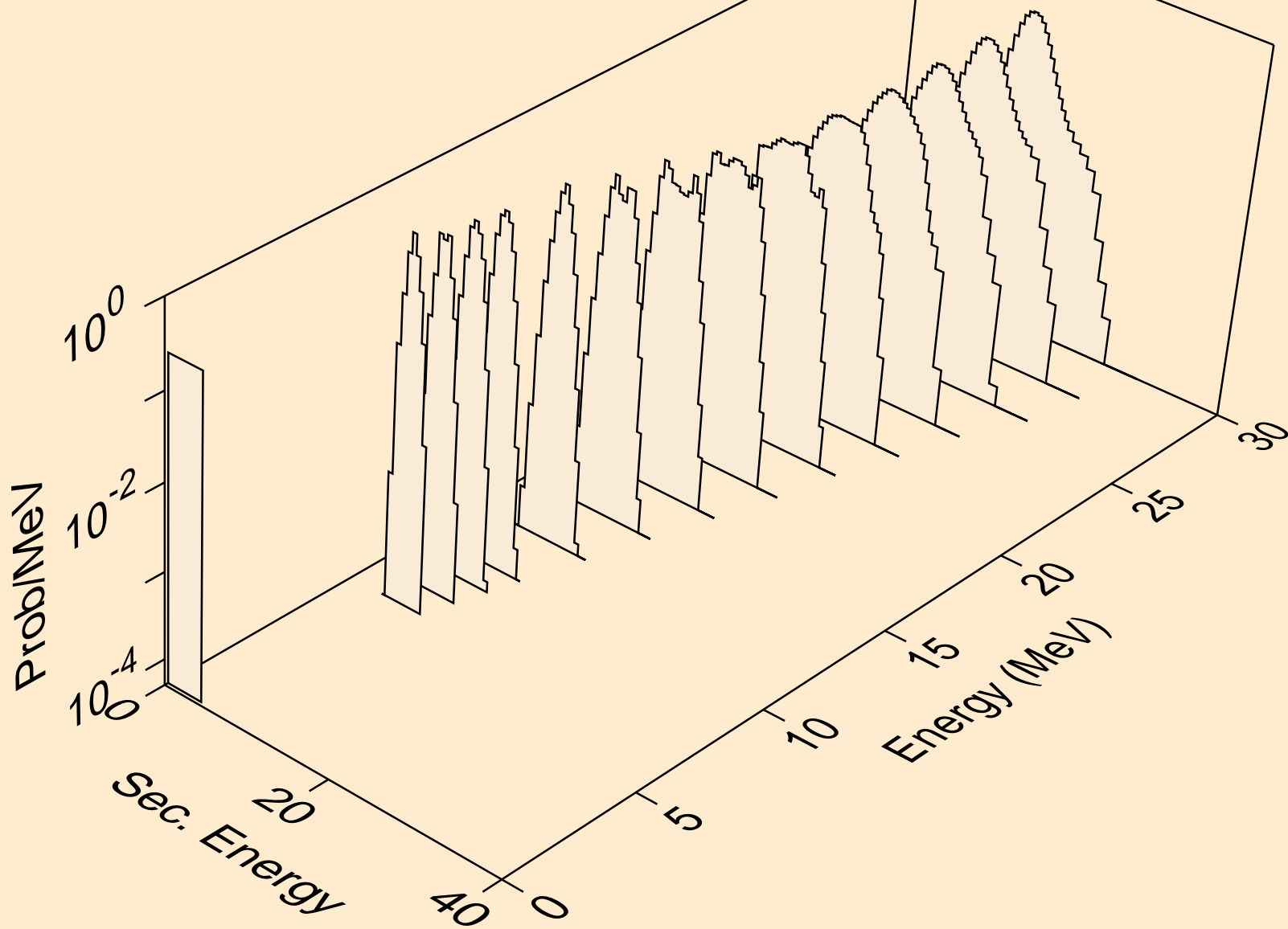
PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,npa)



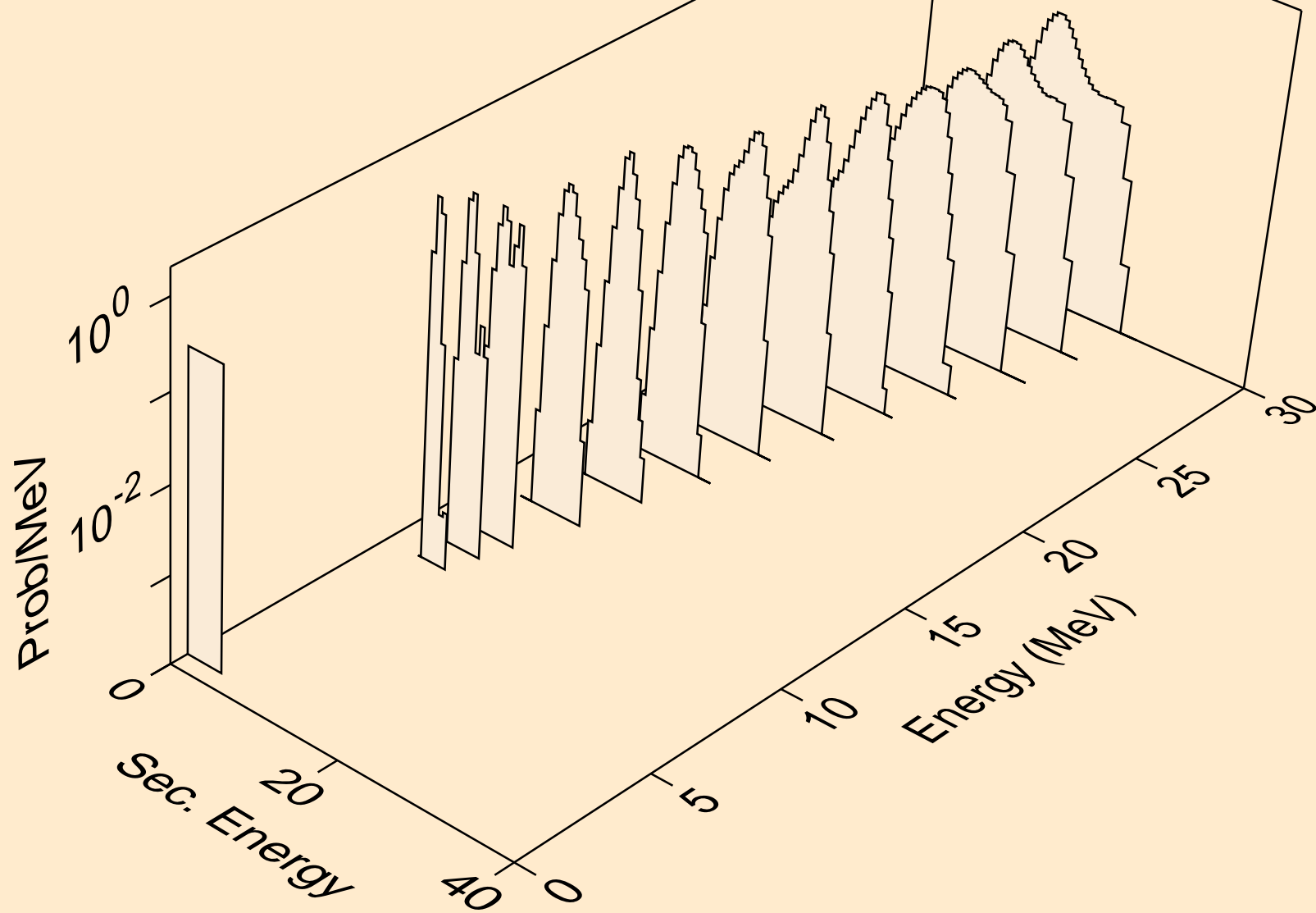
PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,a)



PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2a)



PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,pa)





PR139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,da)

