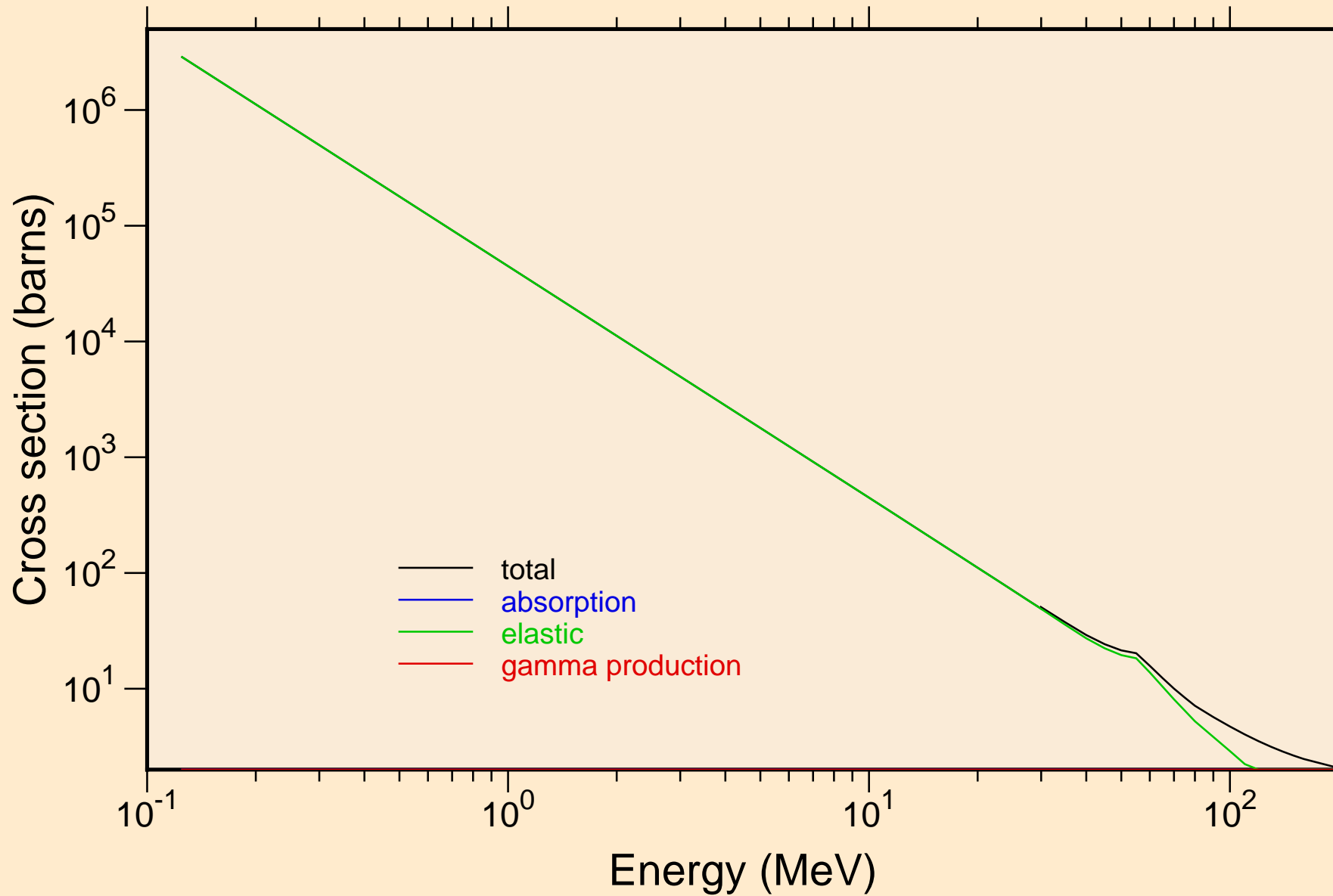


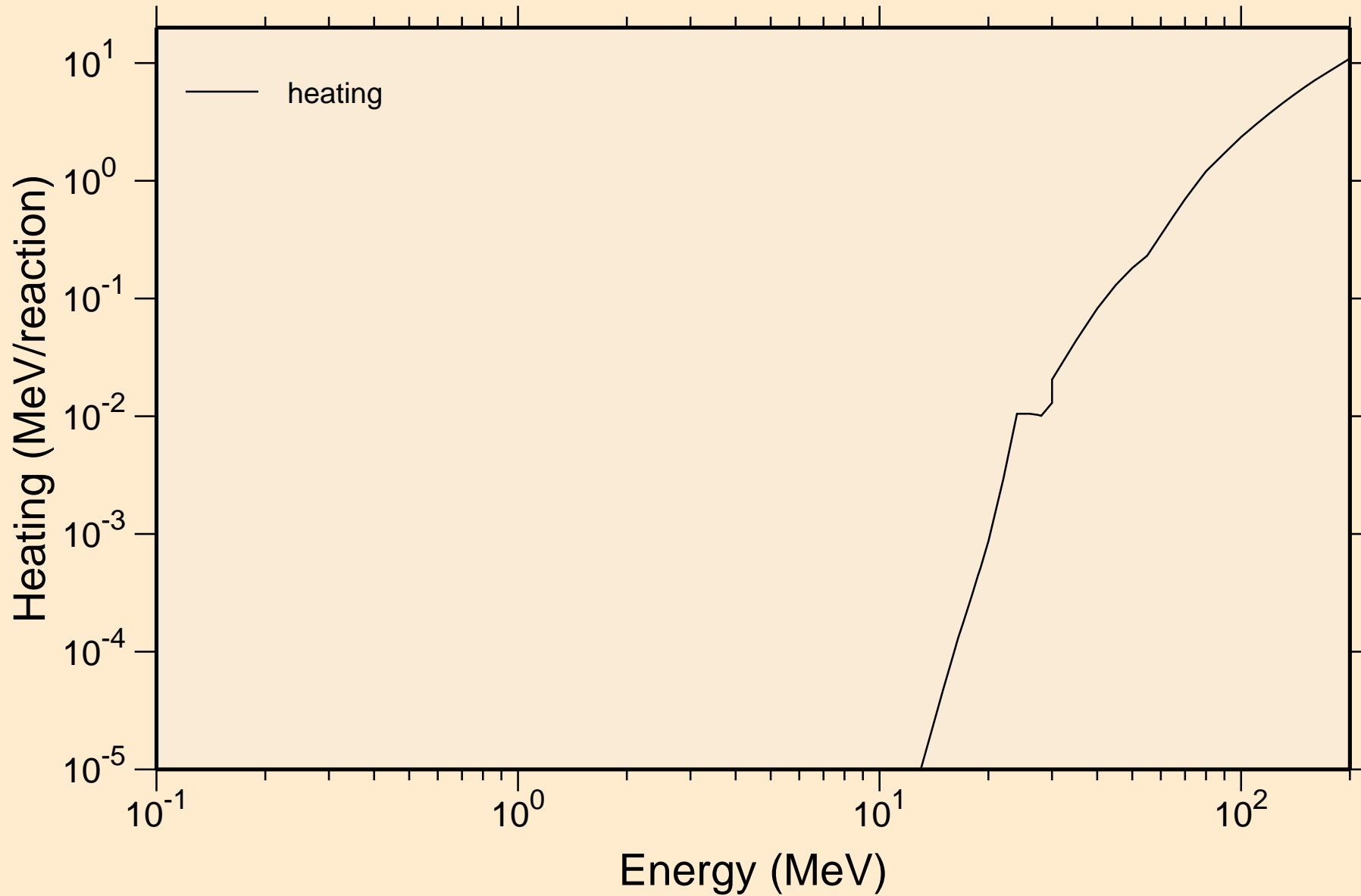
# AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



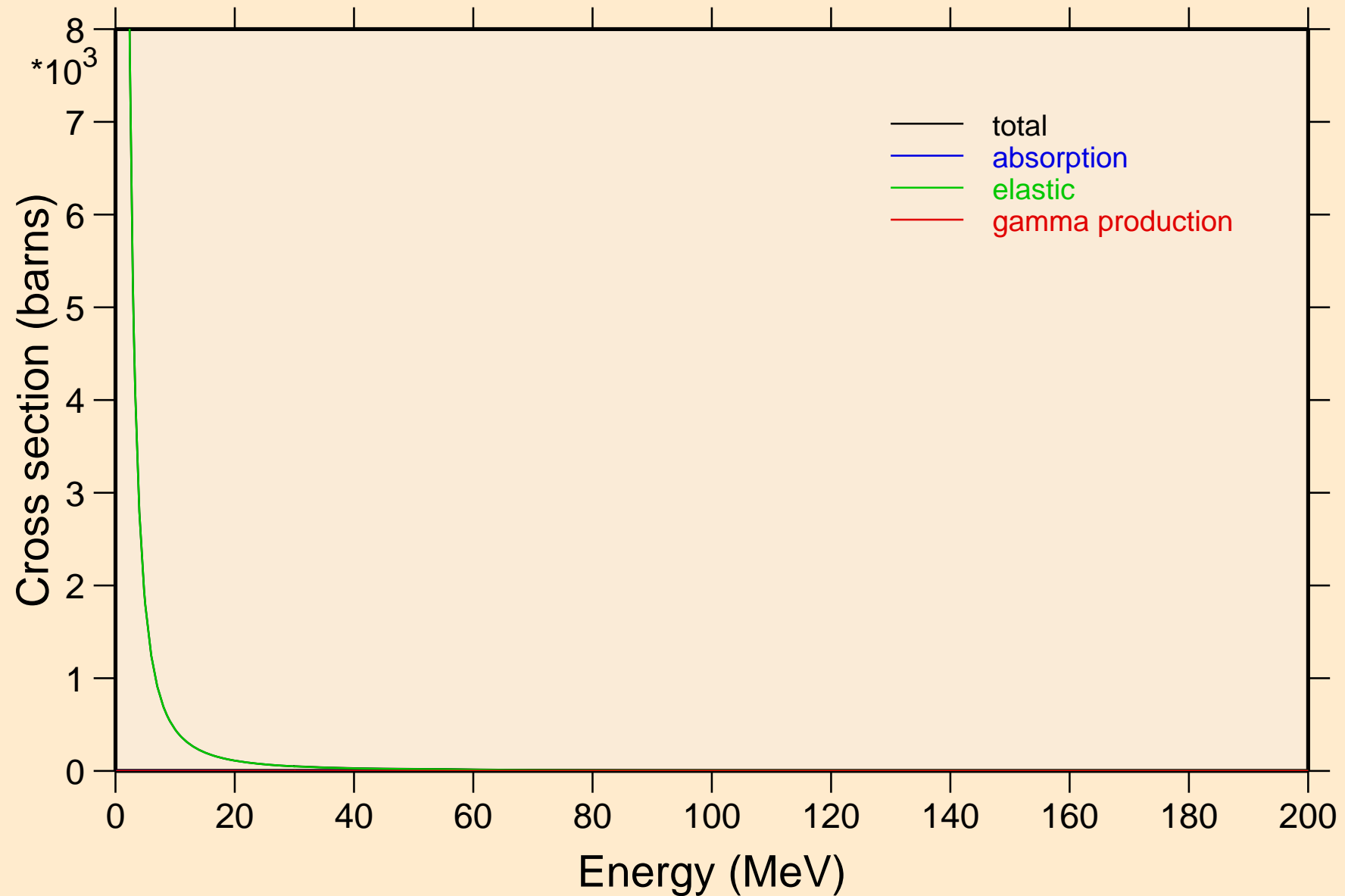
# AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



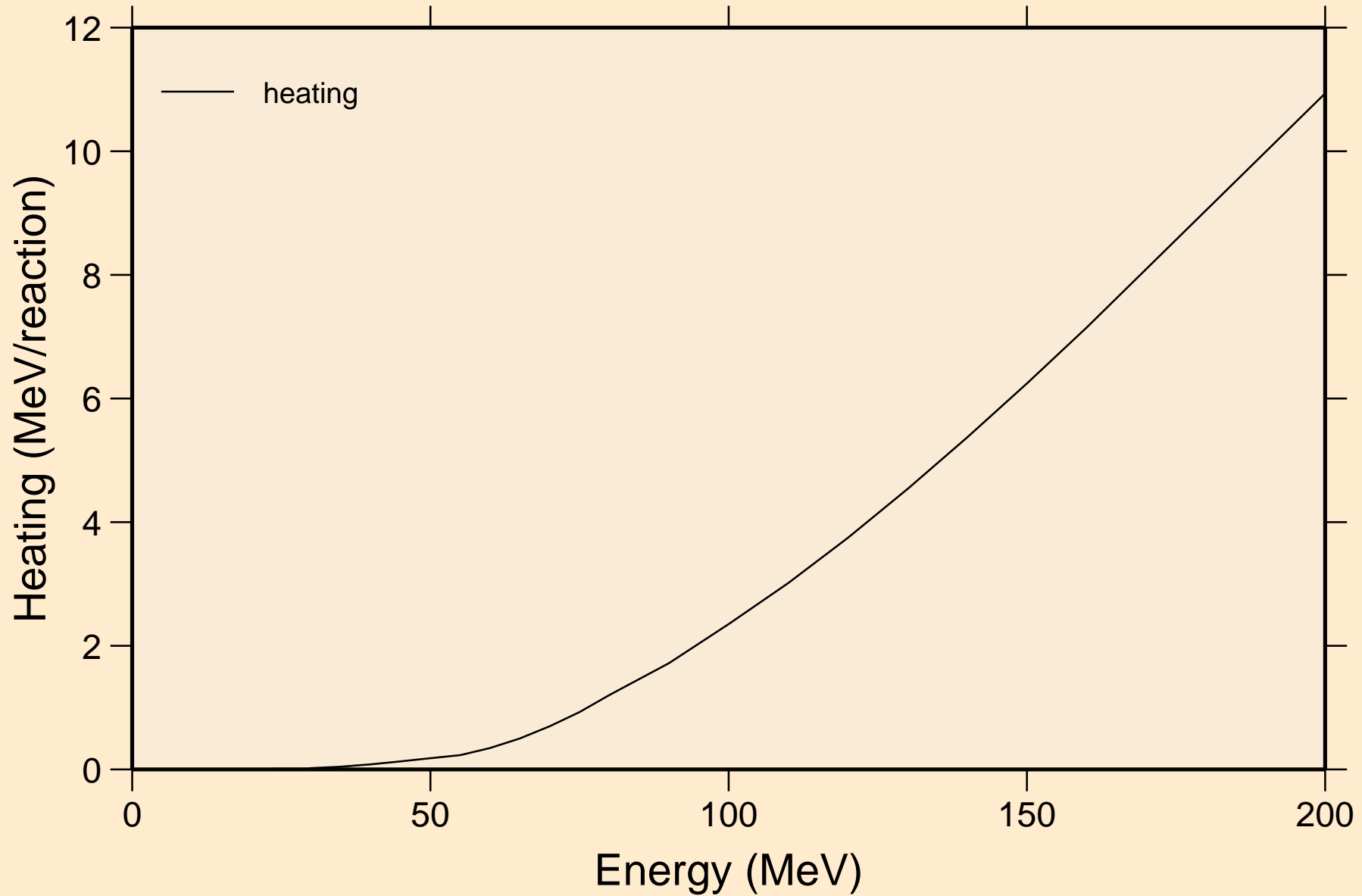
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## Principal cross sections



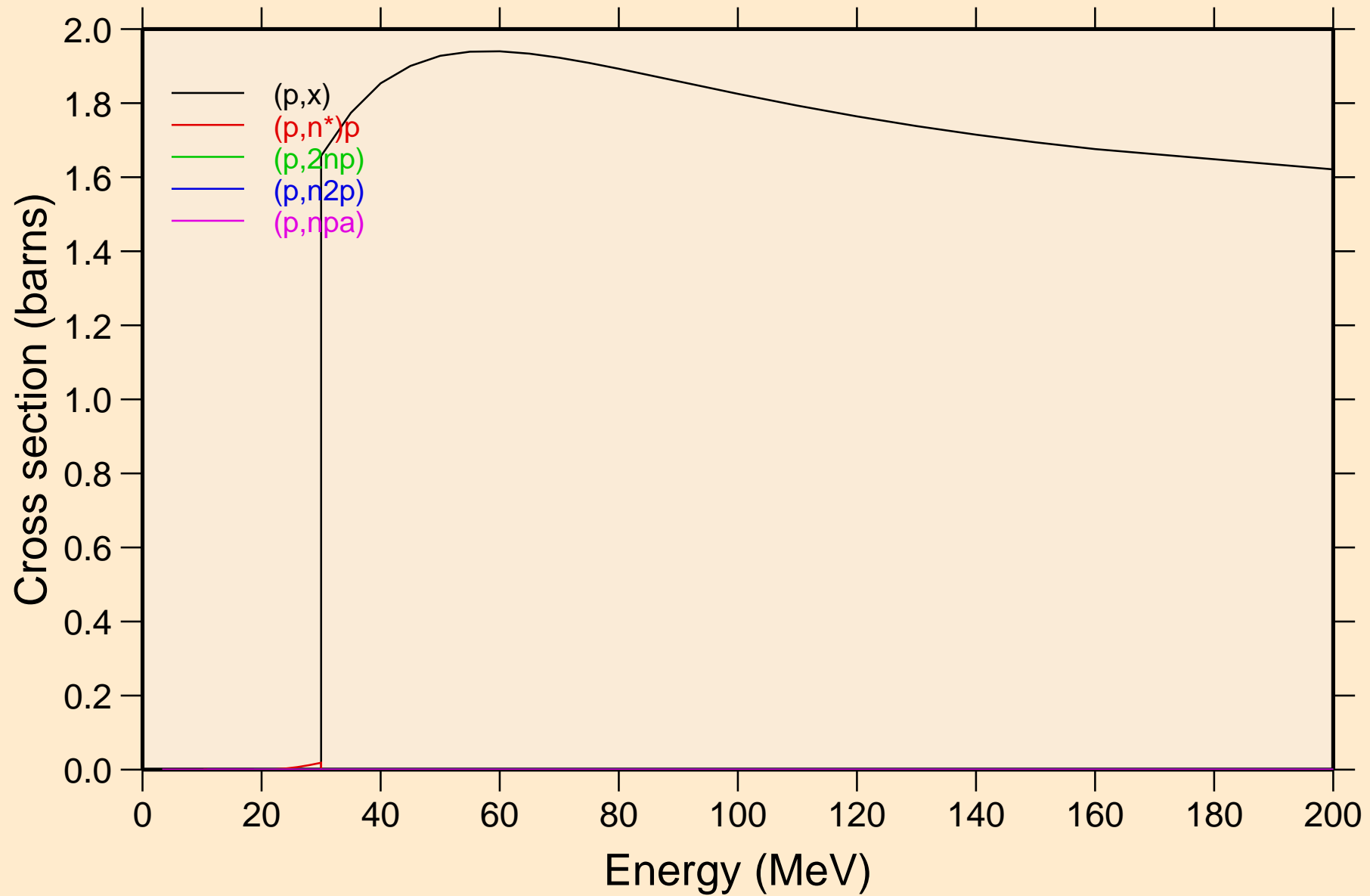
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Heating

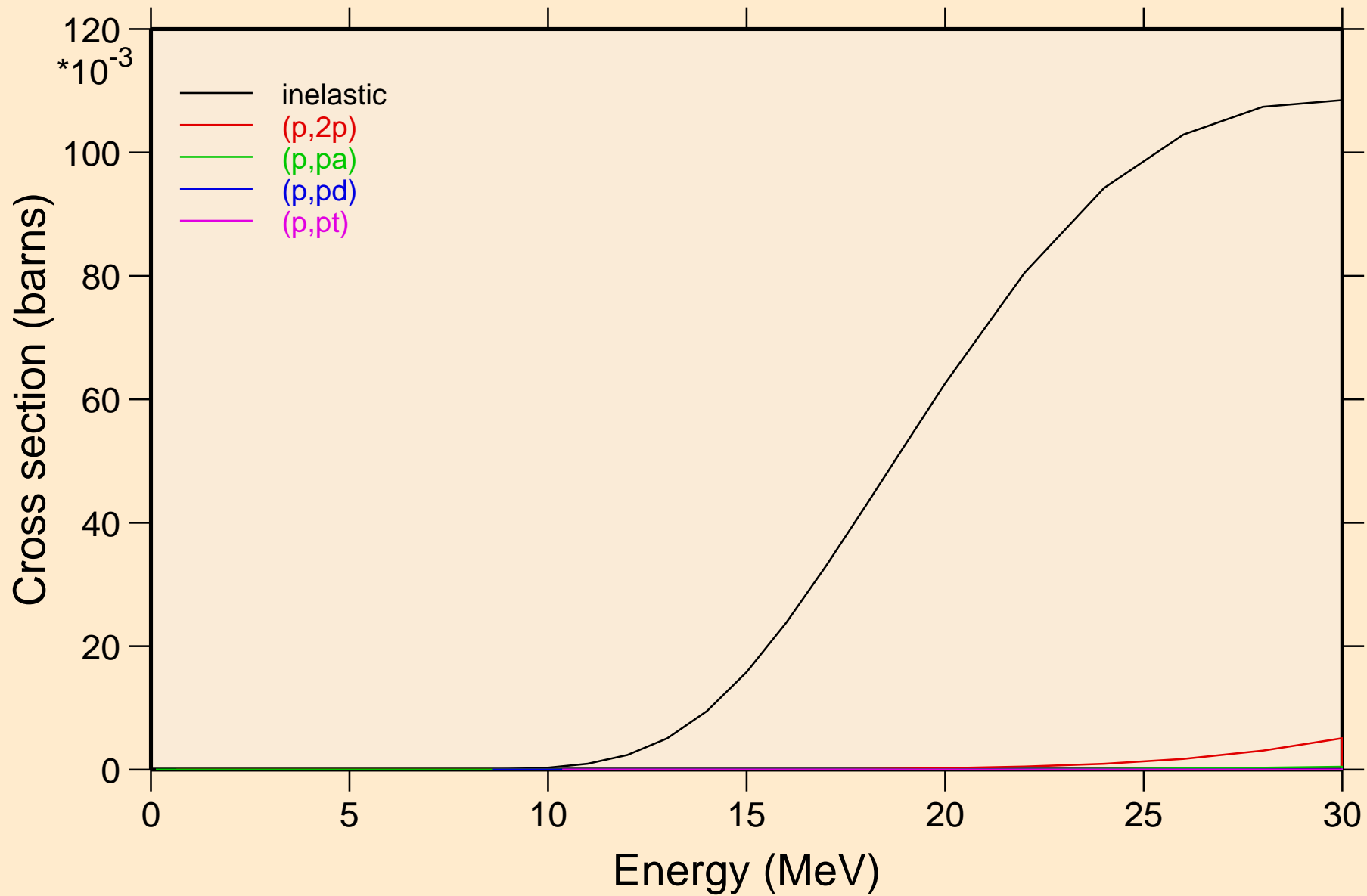


# AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K

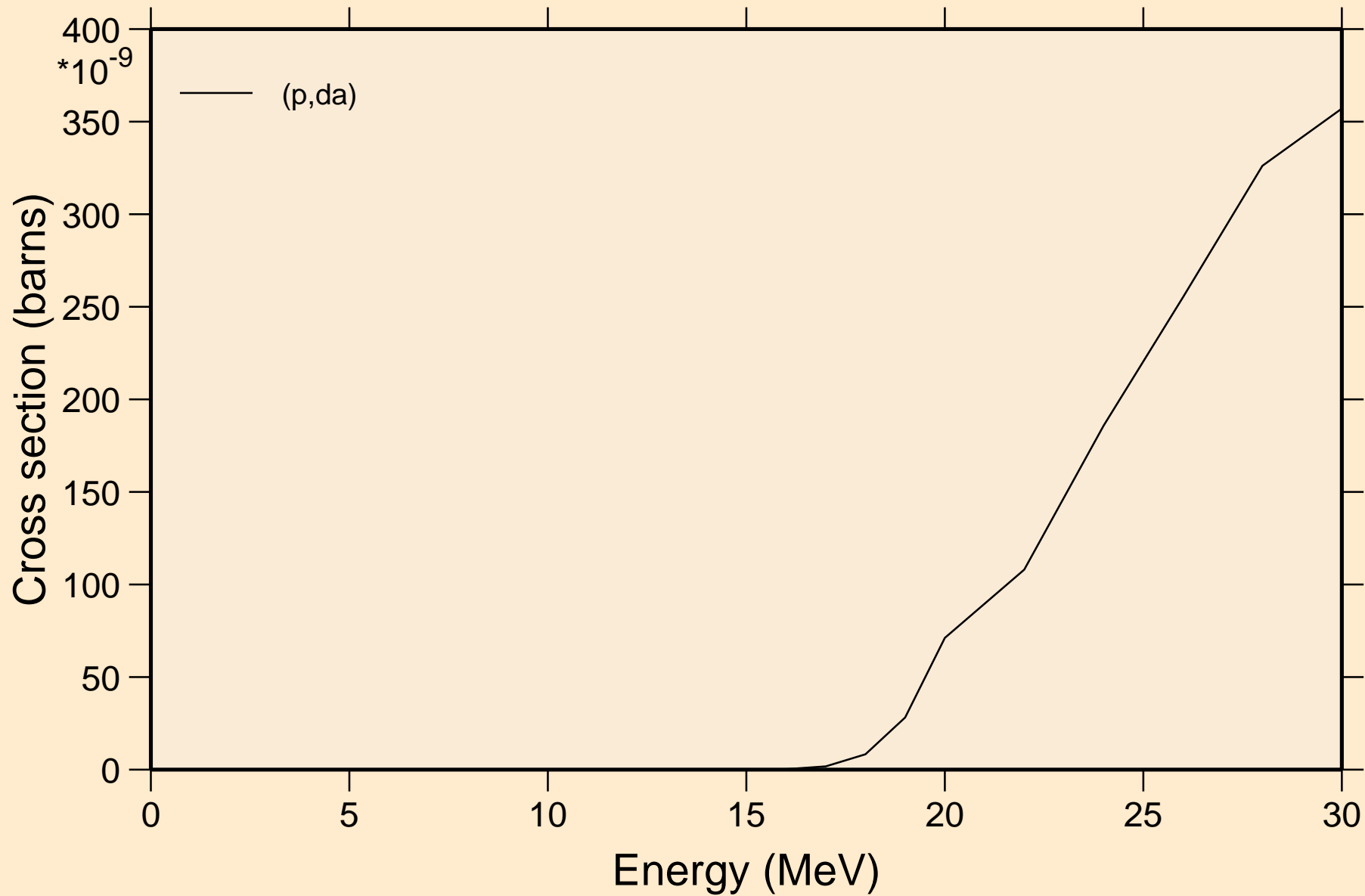
## Threshold reactions



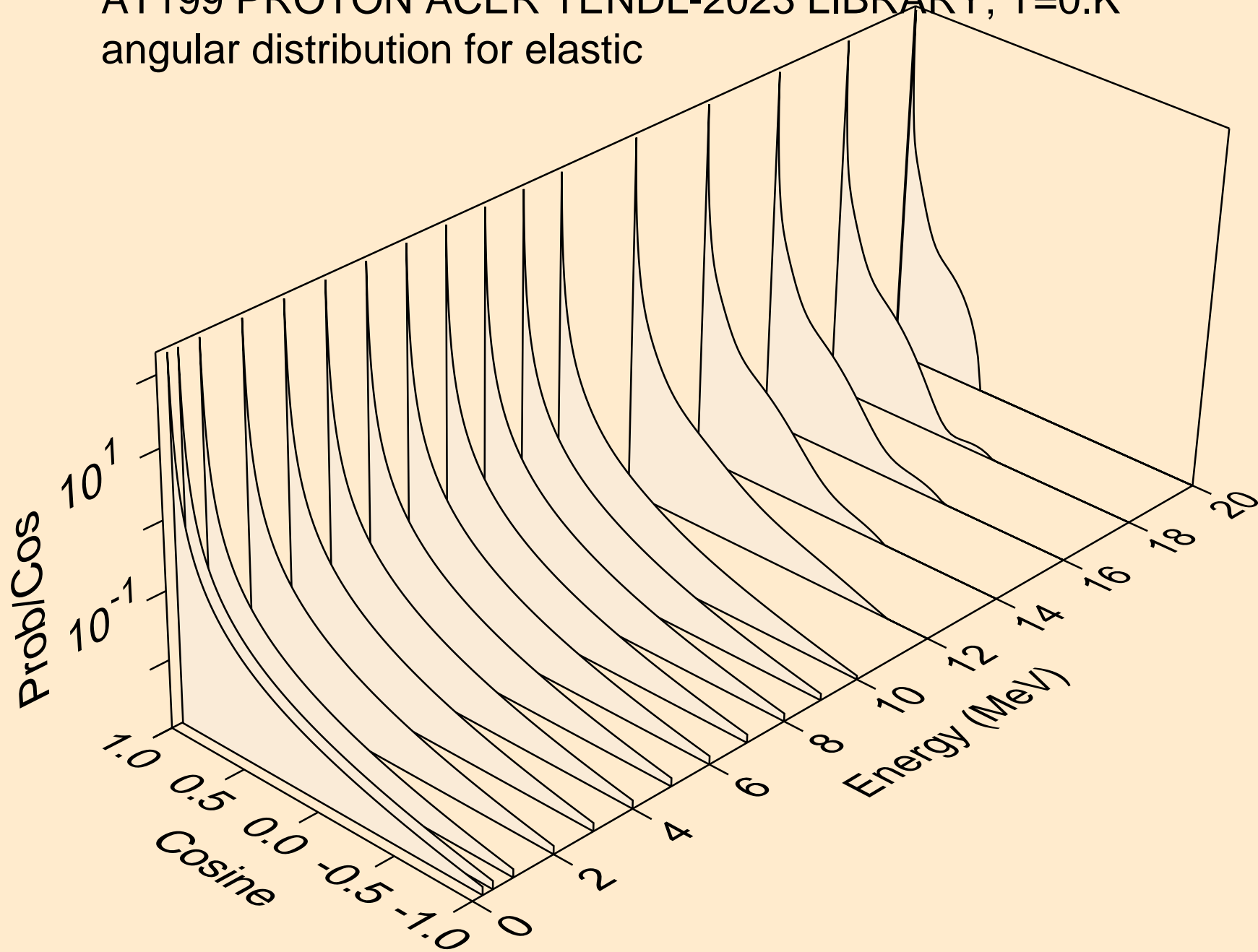
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

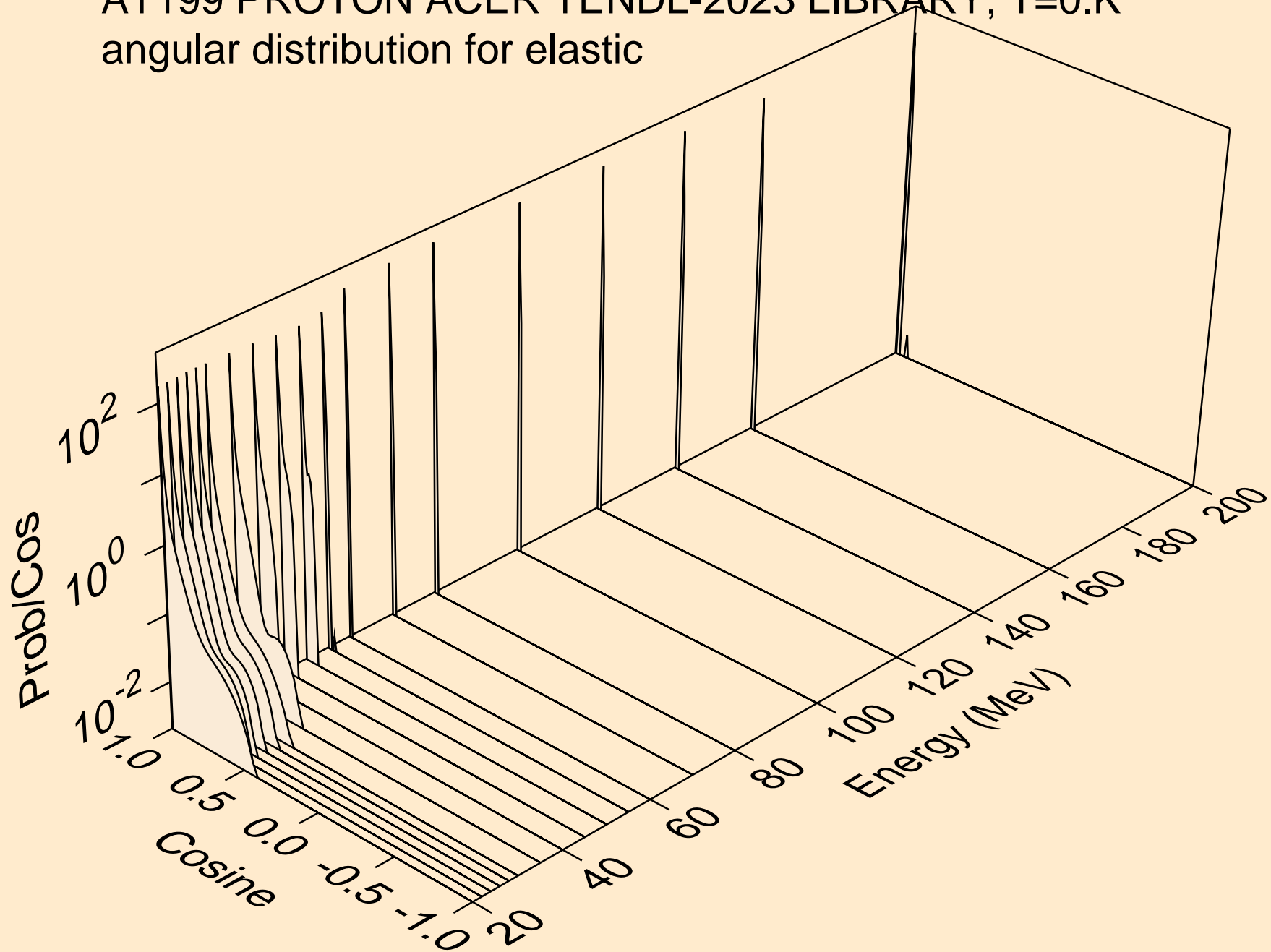


AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

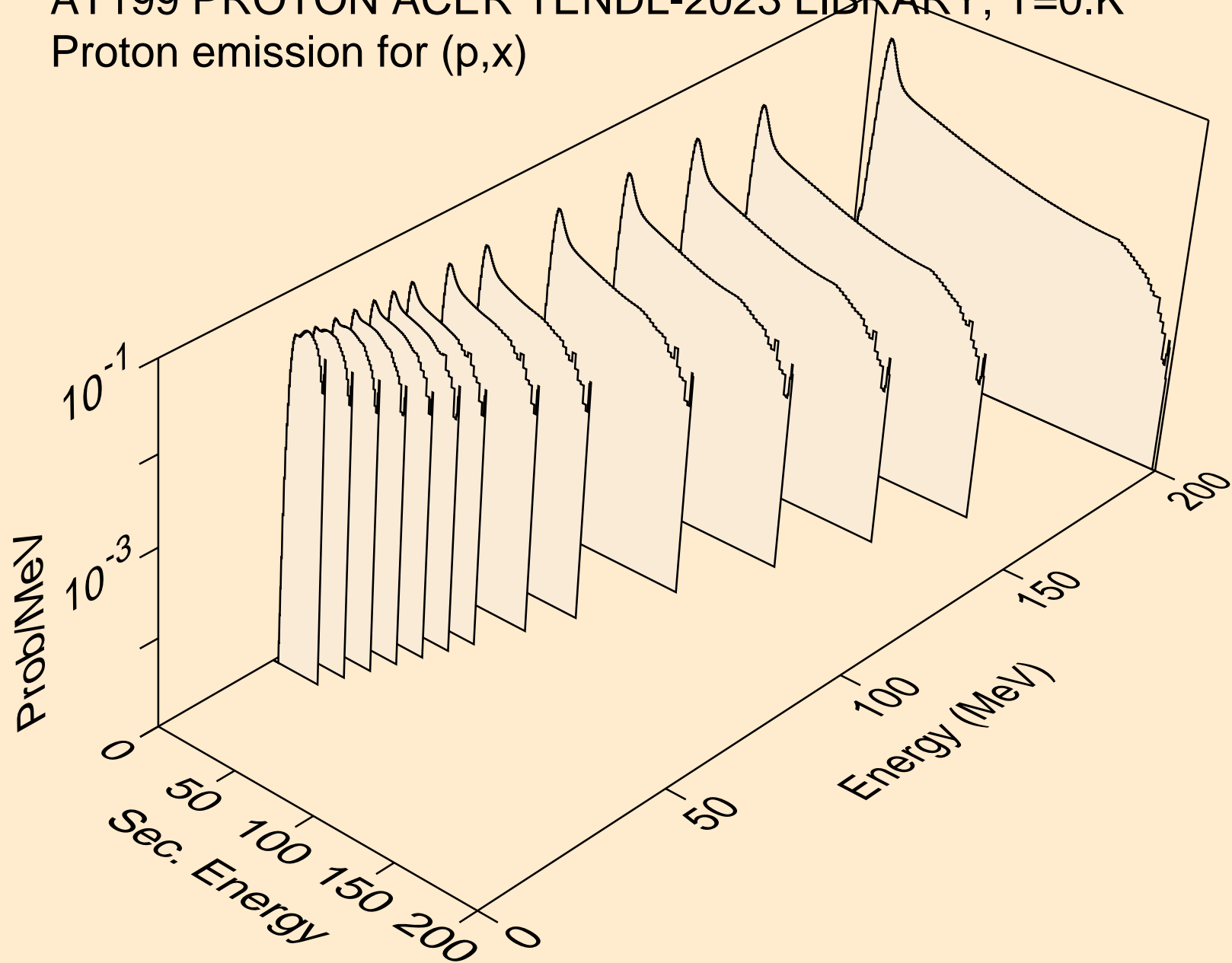




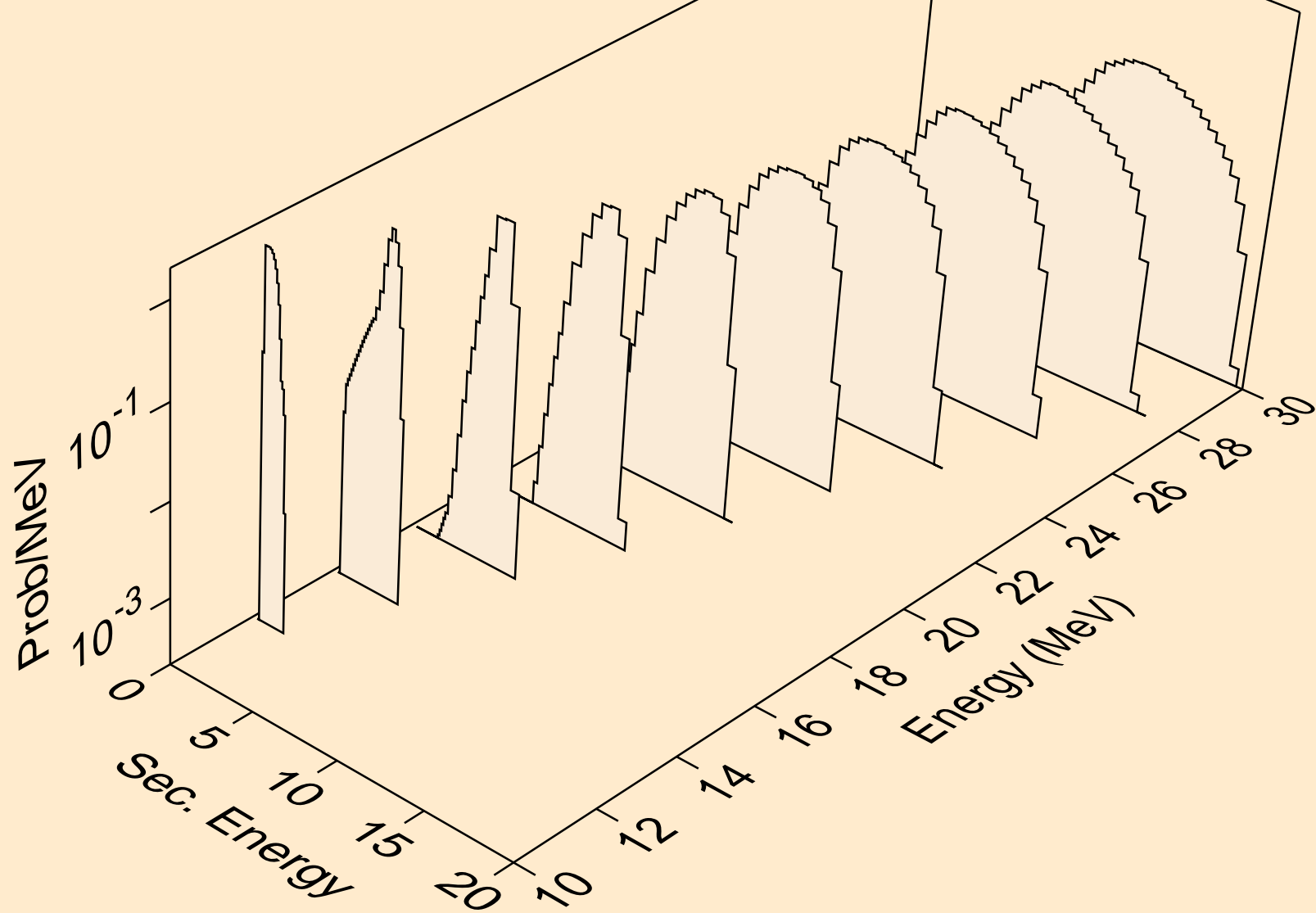
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



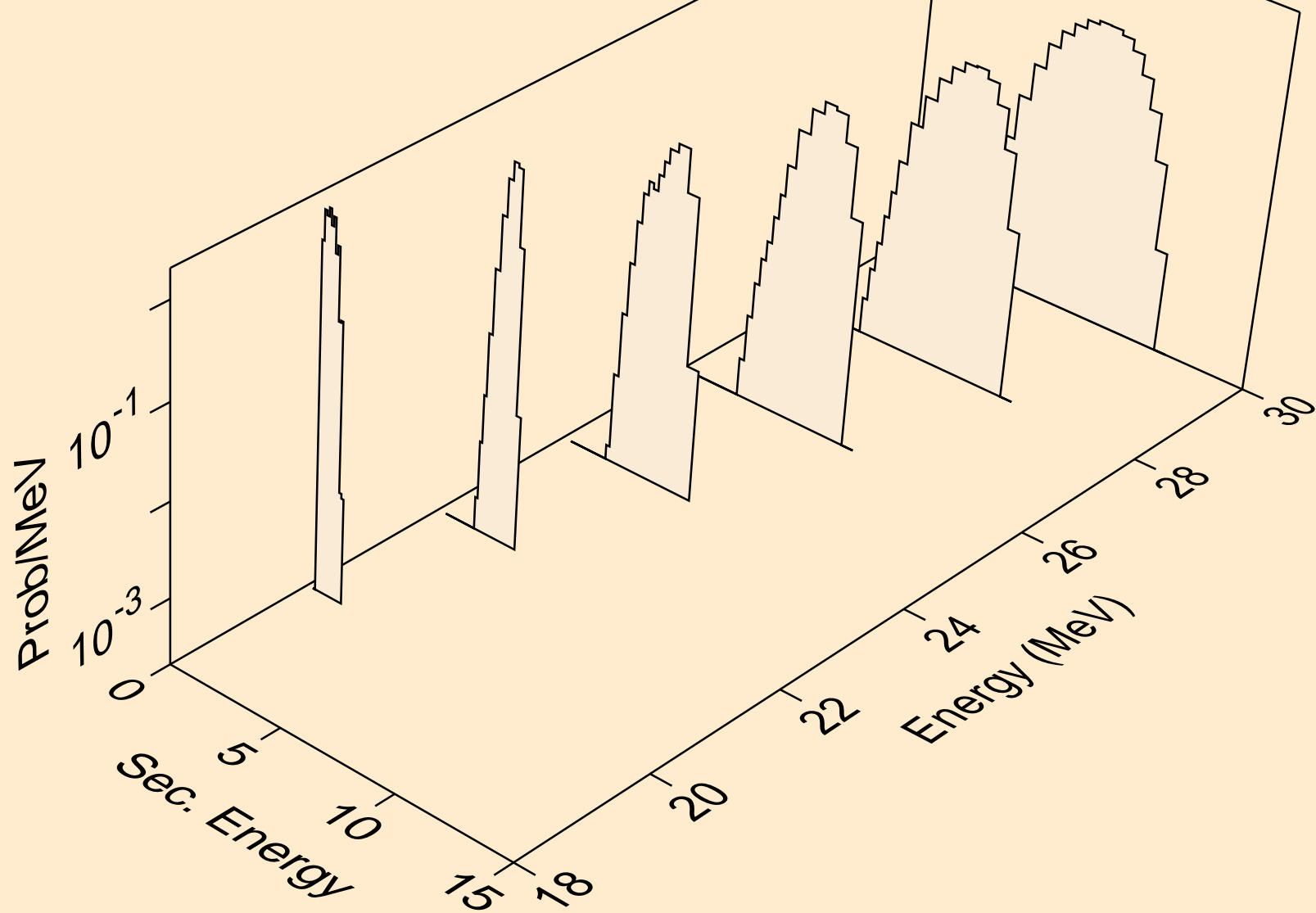
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)



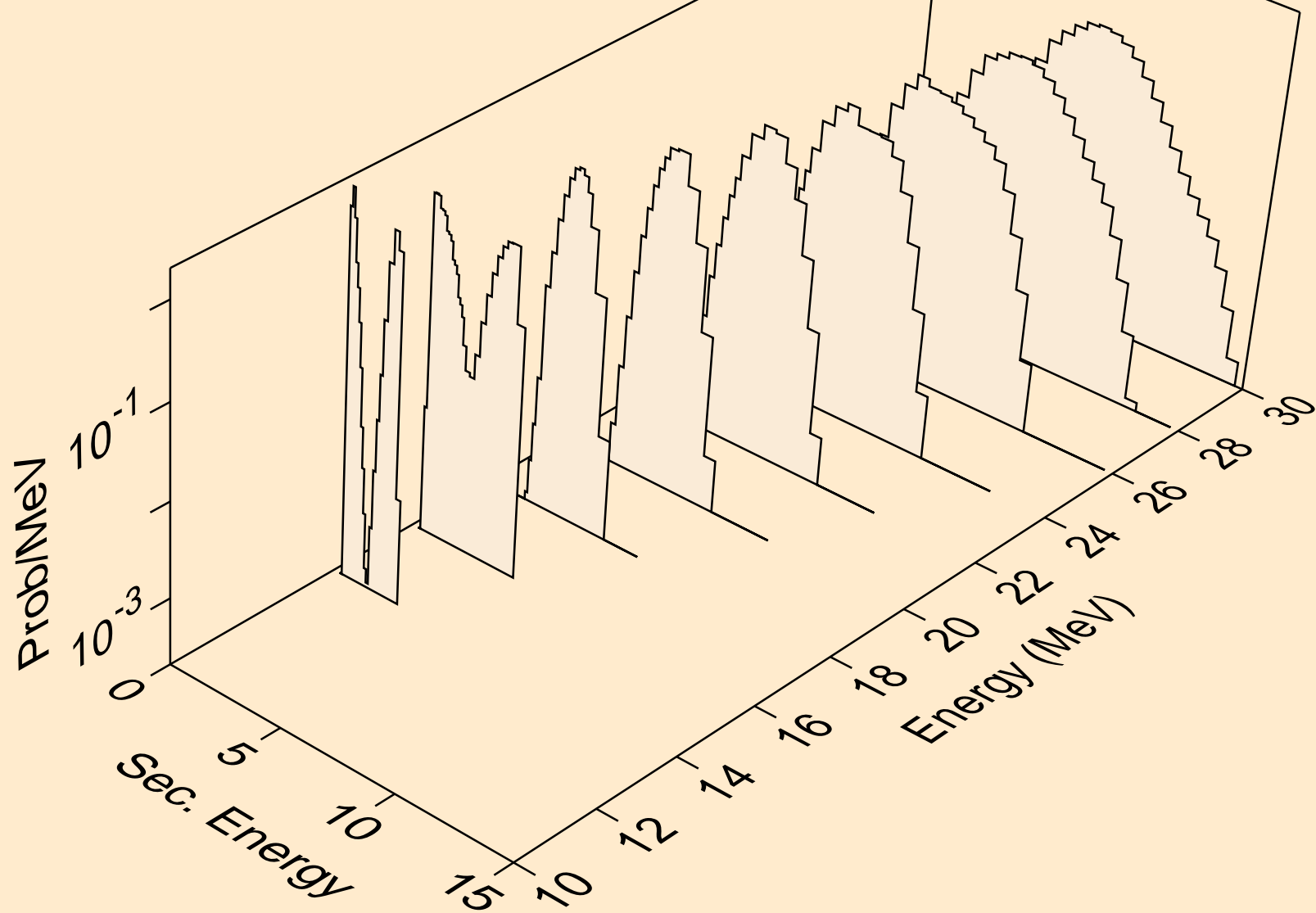
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



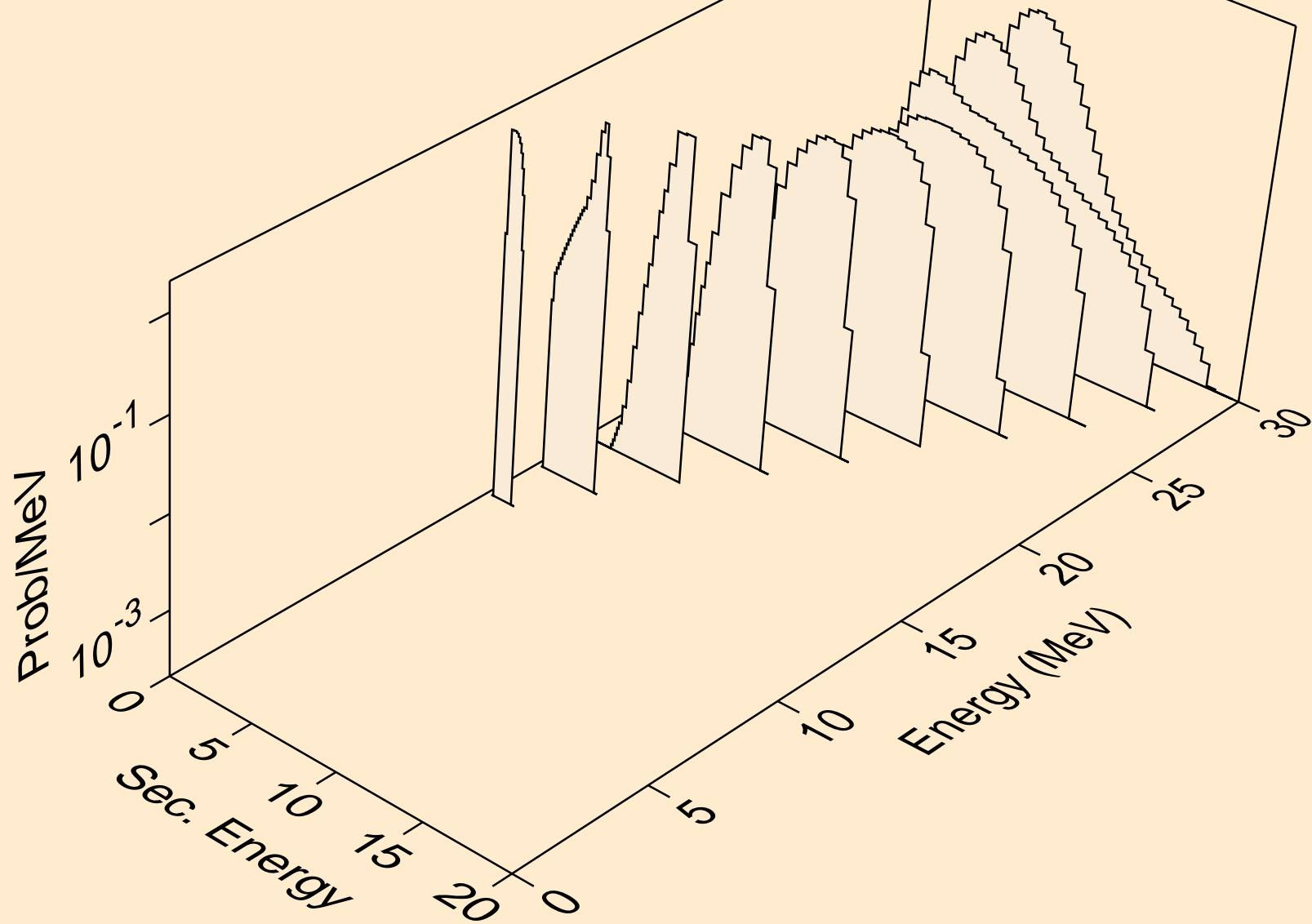
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



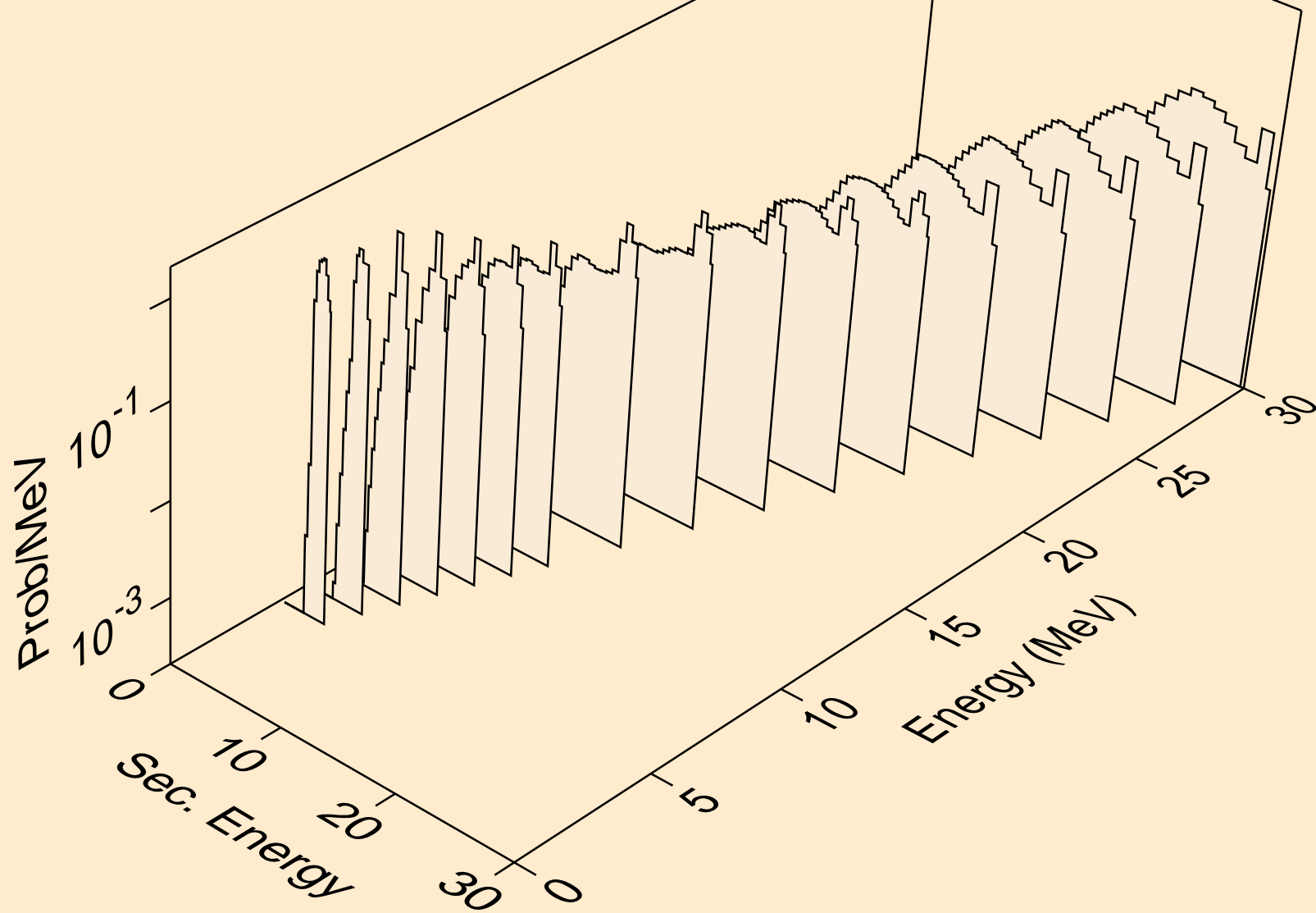
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n2p)



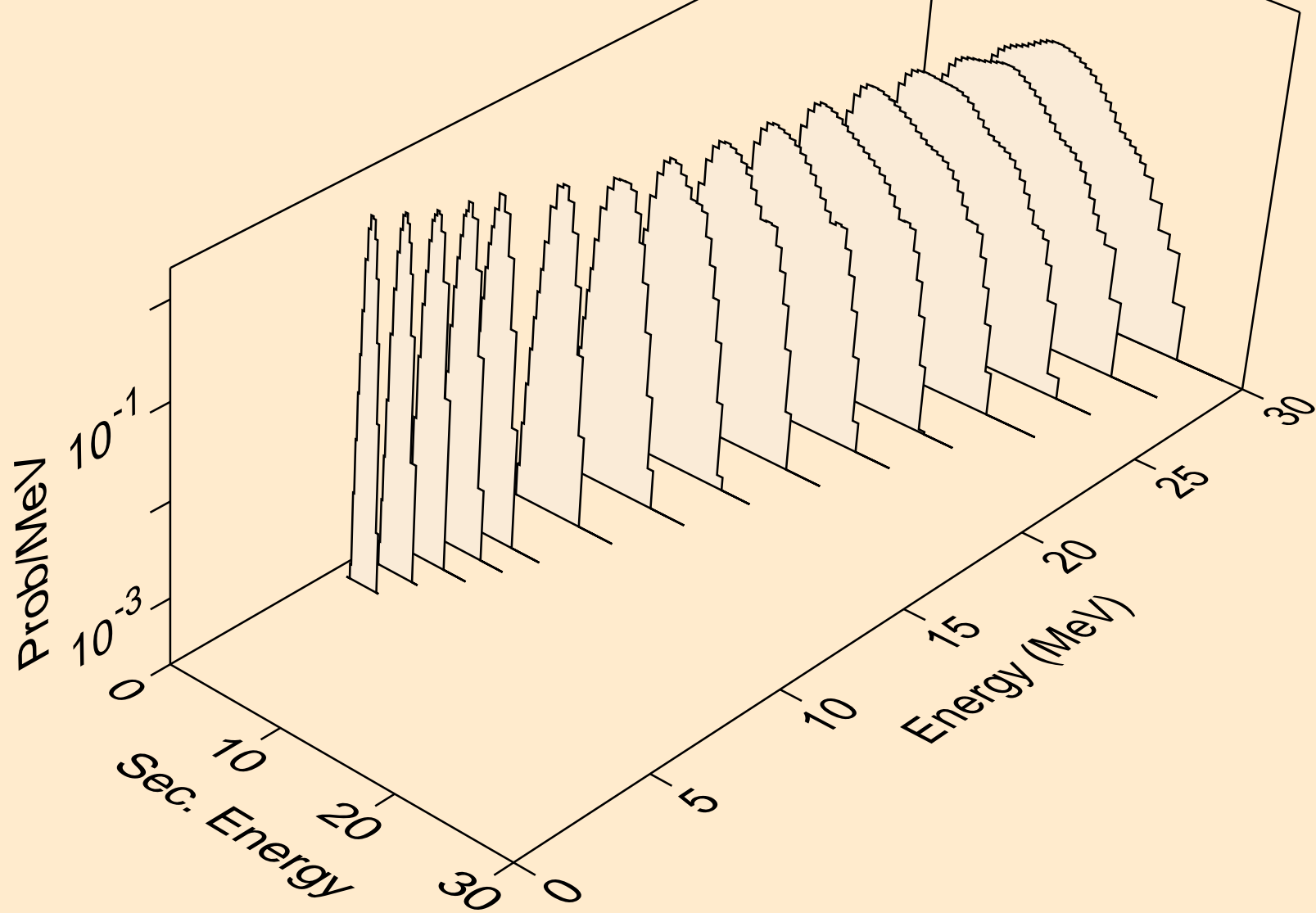
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,npa)



AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic

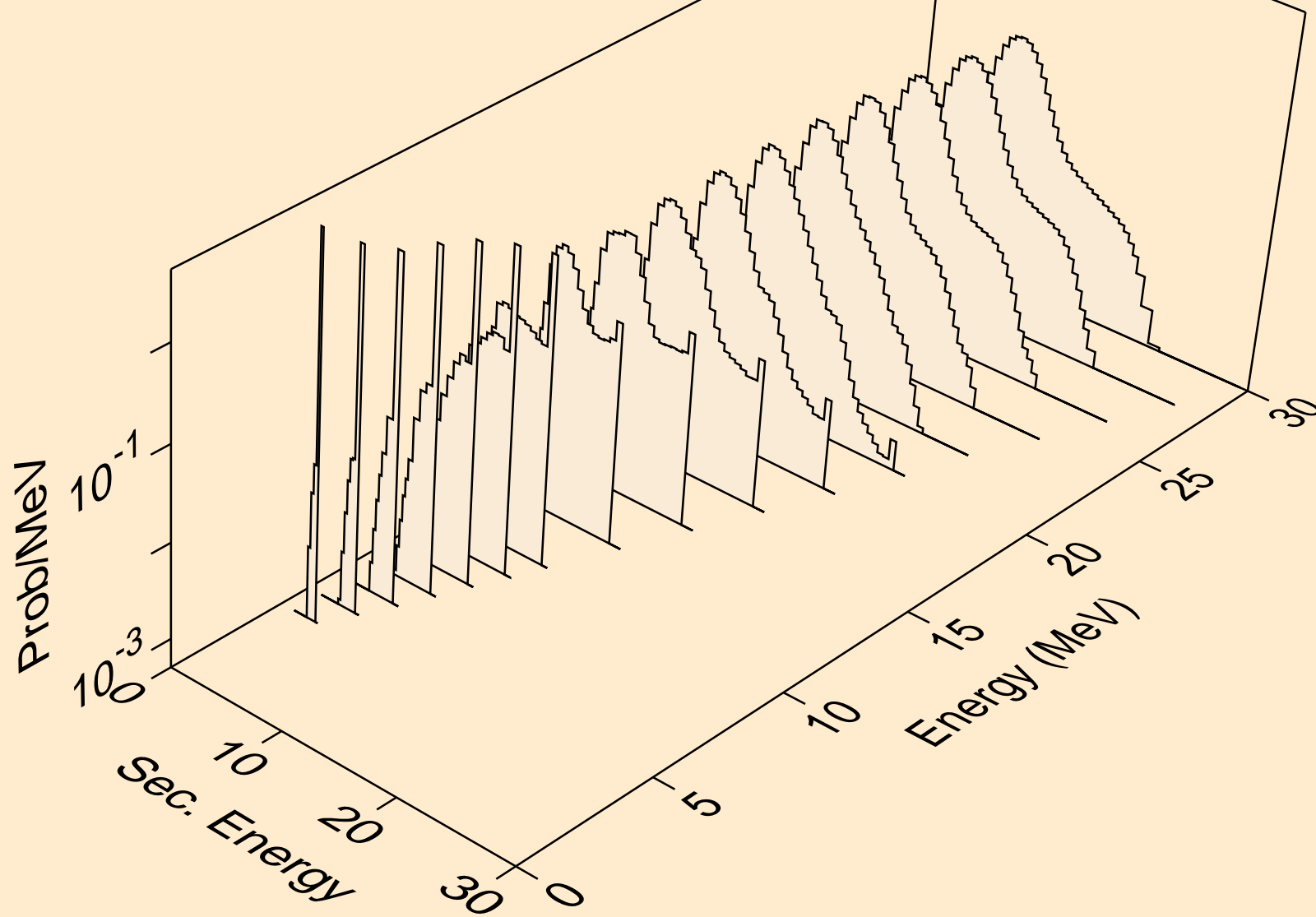


AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2p)

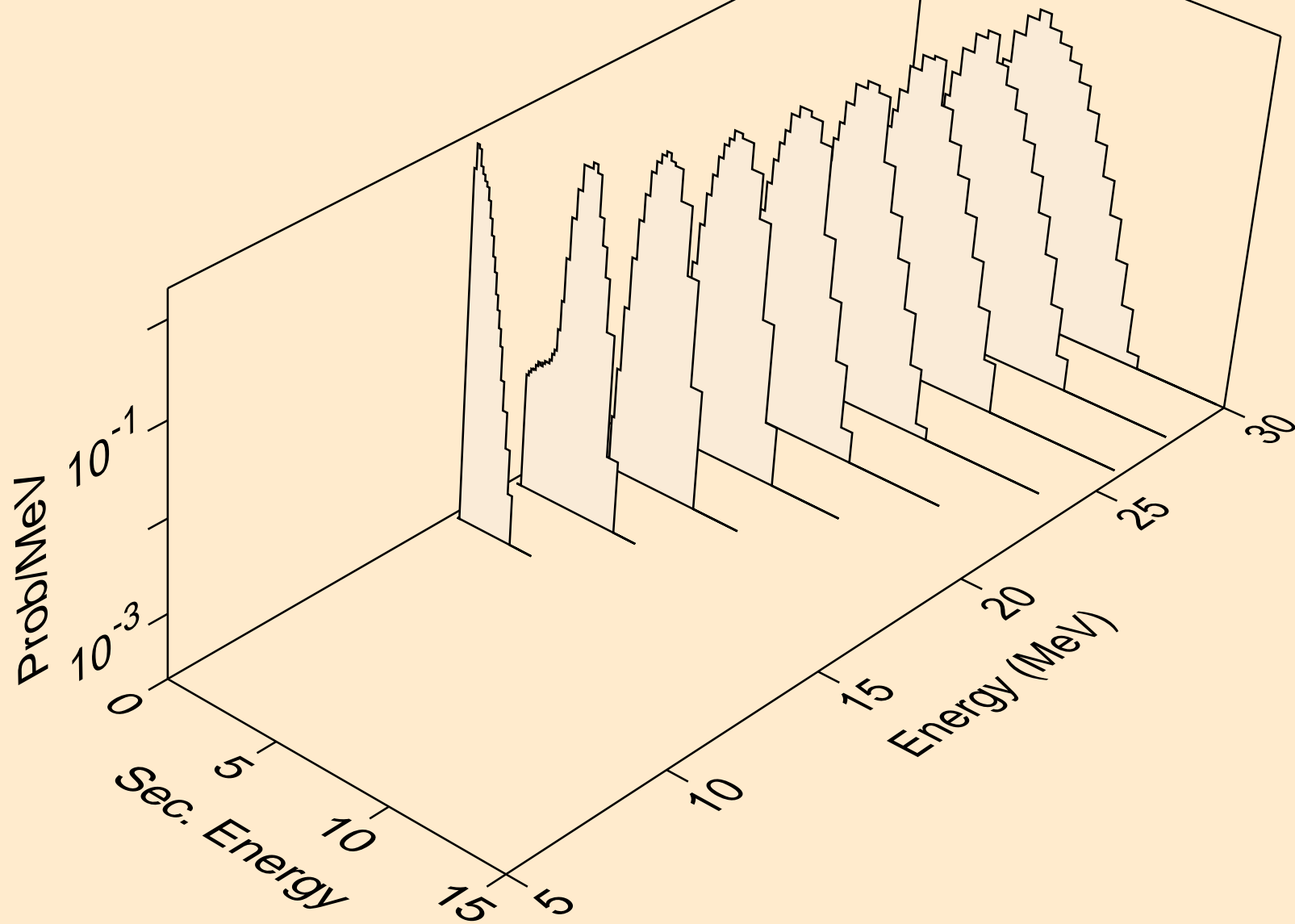




AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pa)

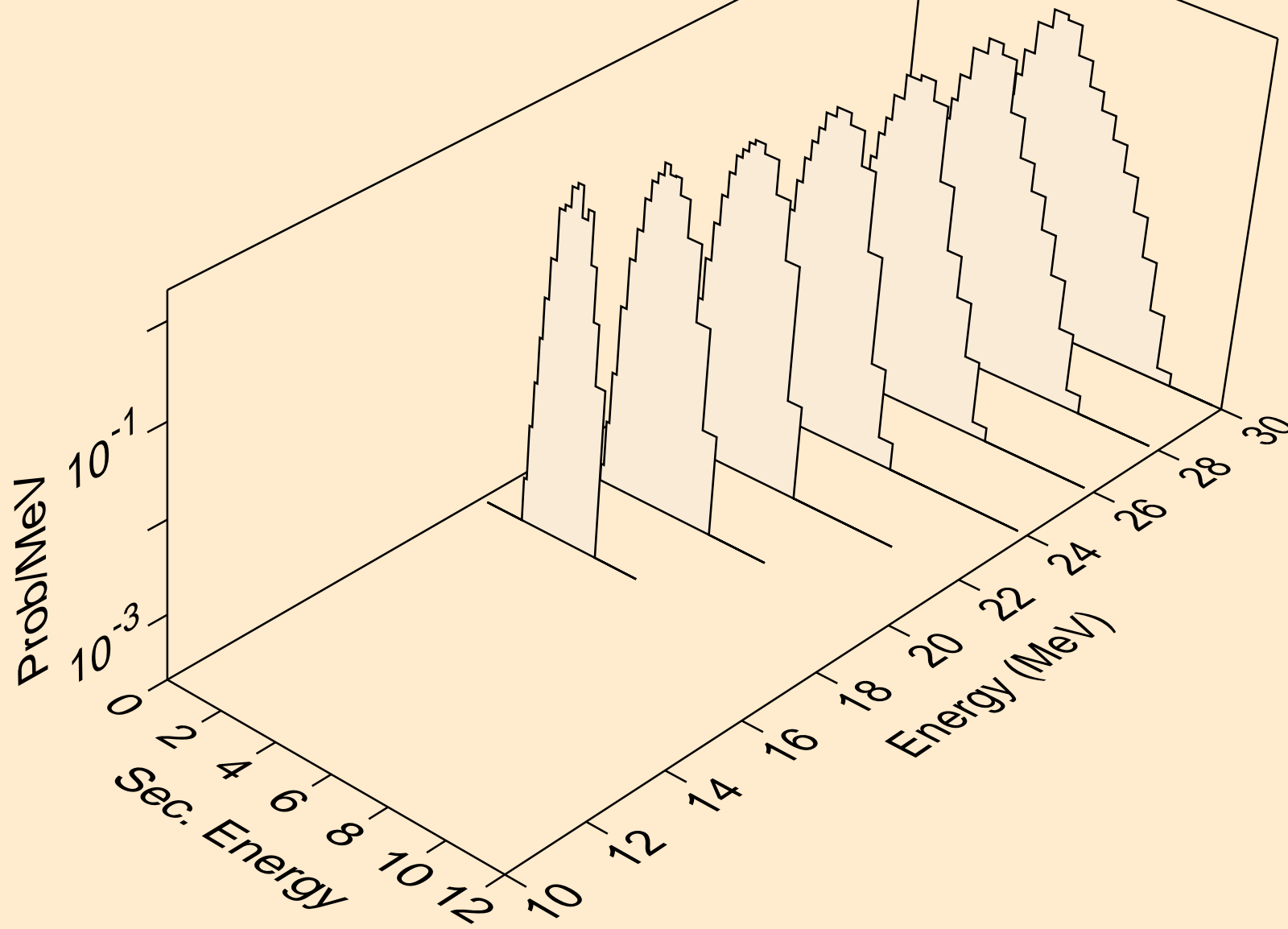


AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pd)

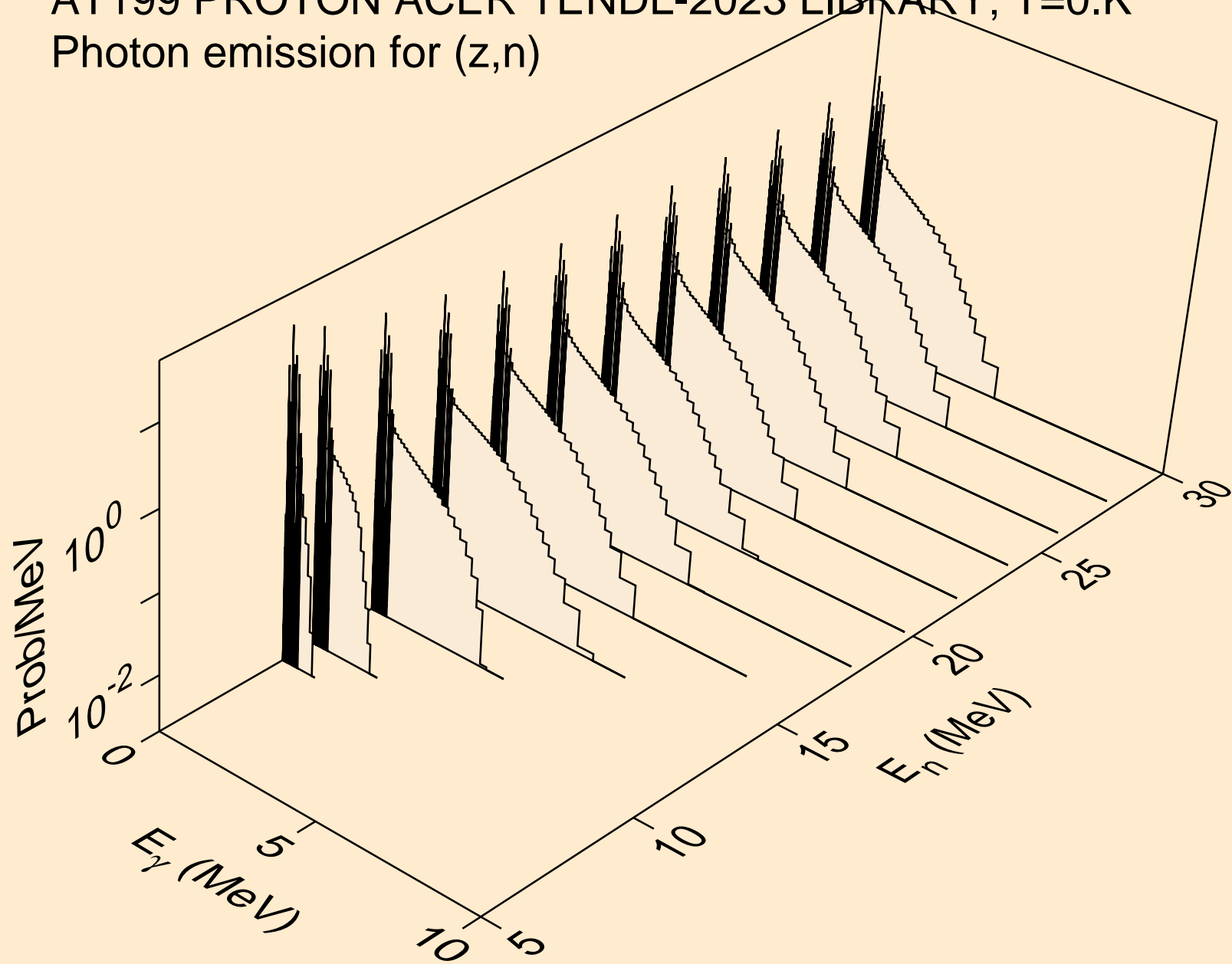


# AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K

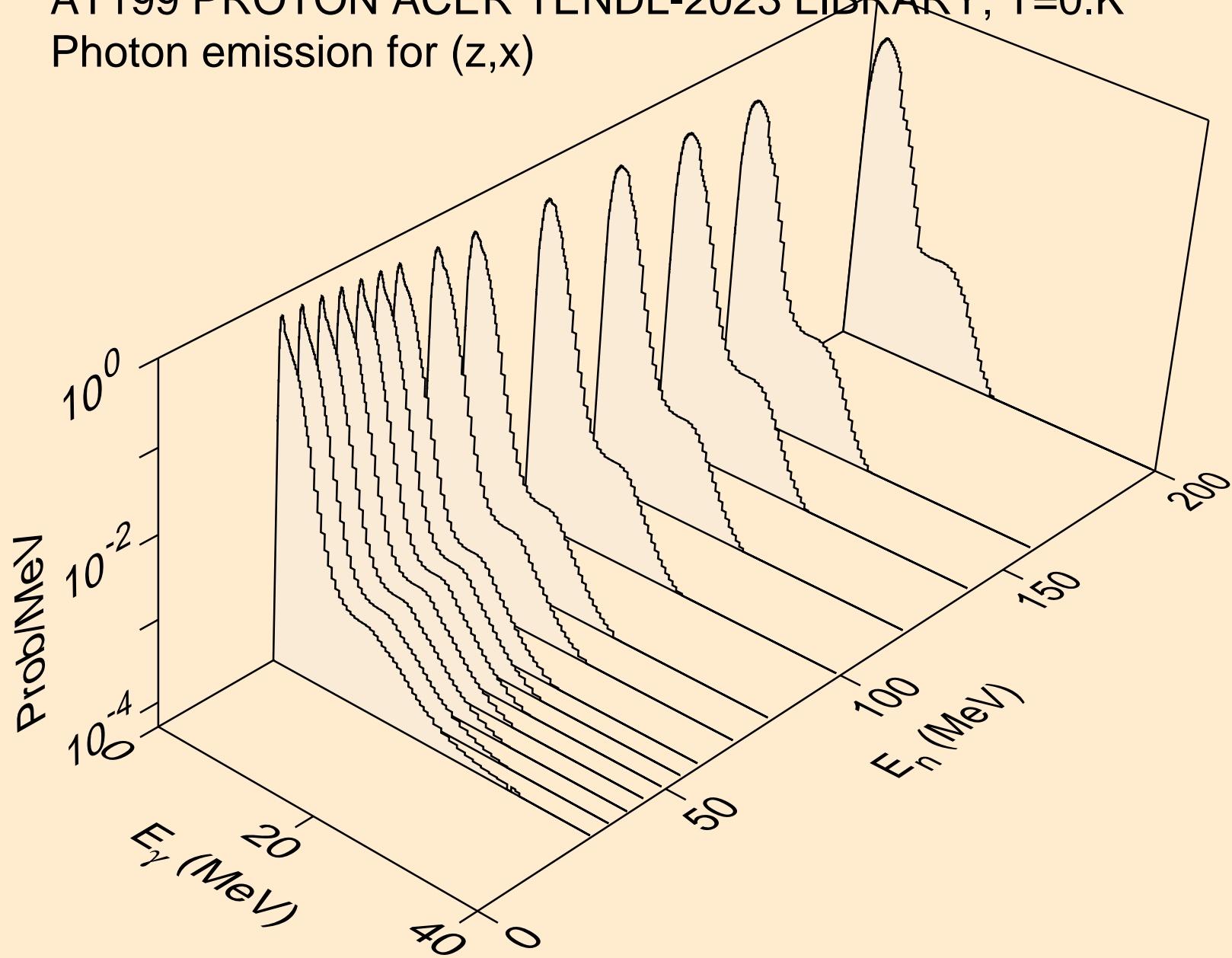
Proton emission for (p,pt)



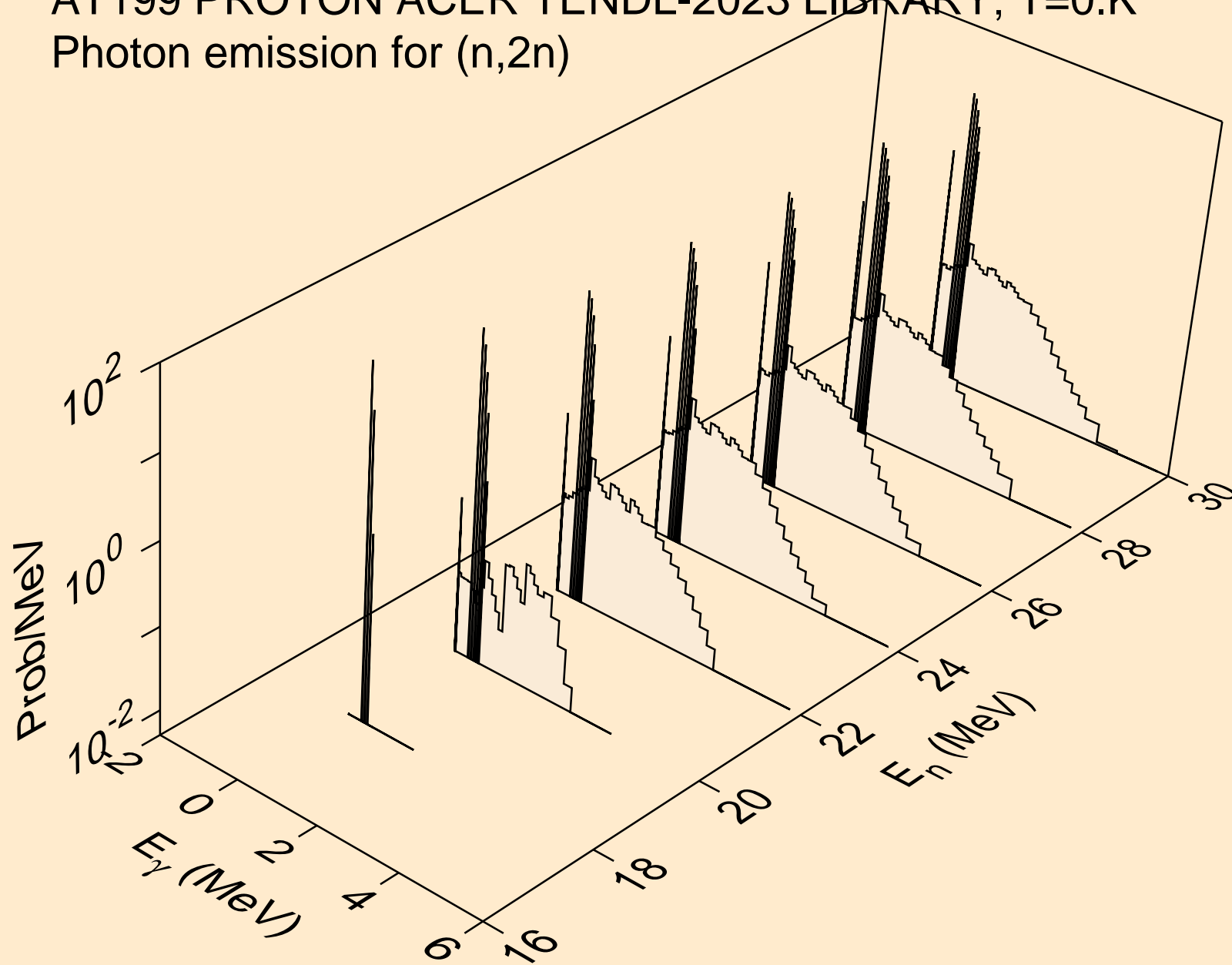
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



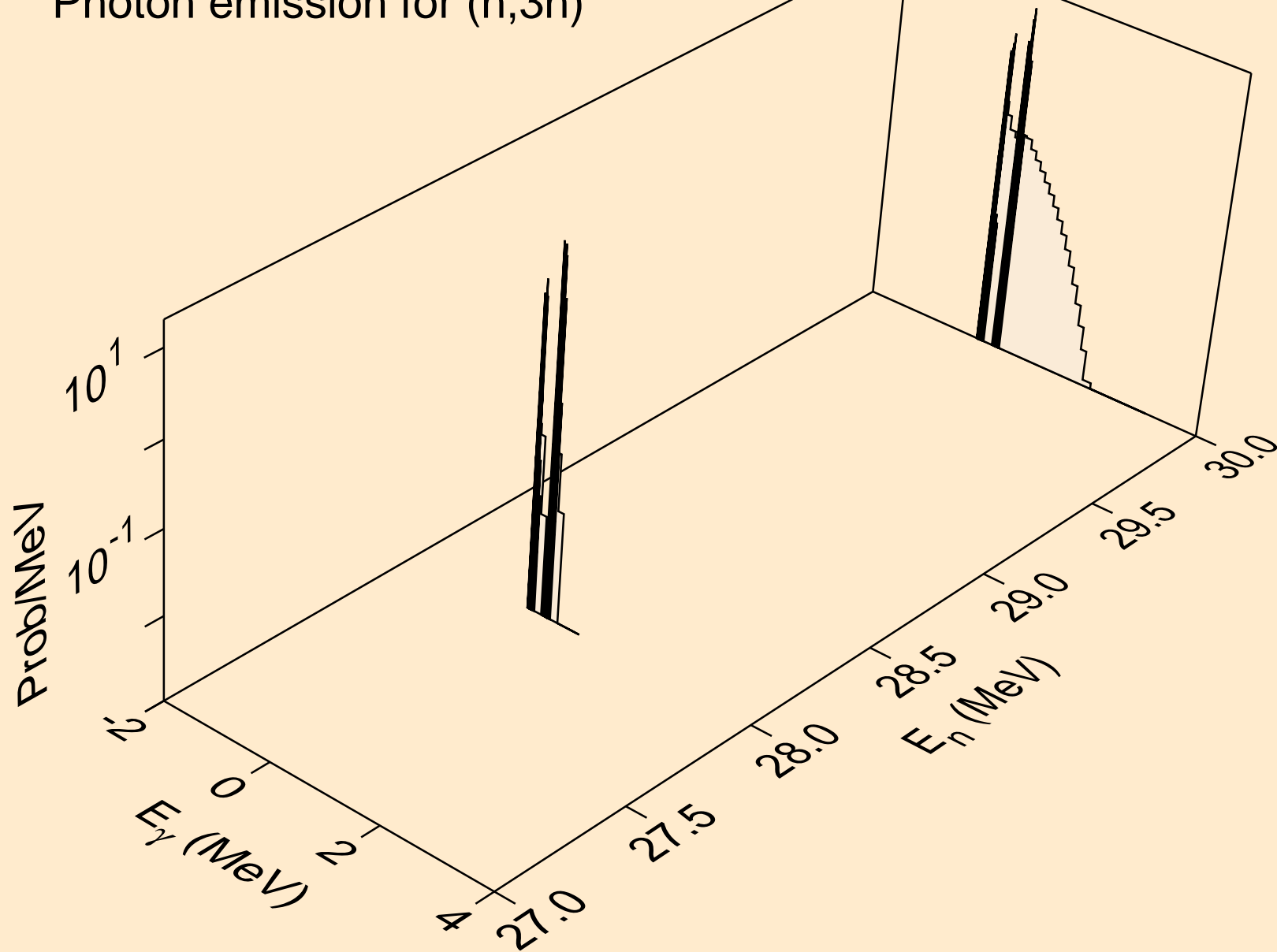
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Photon emission for (z,x)



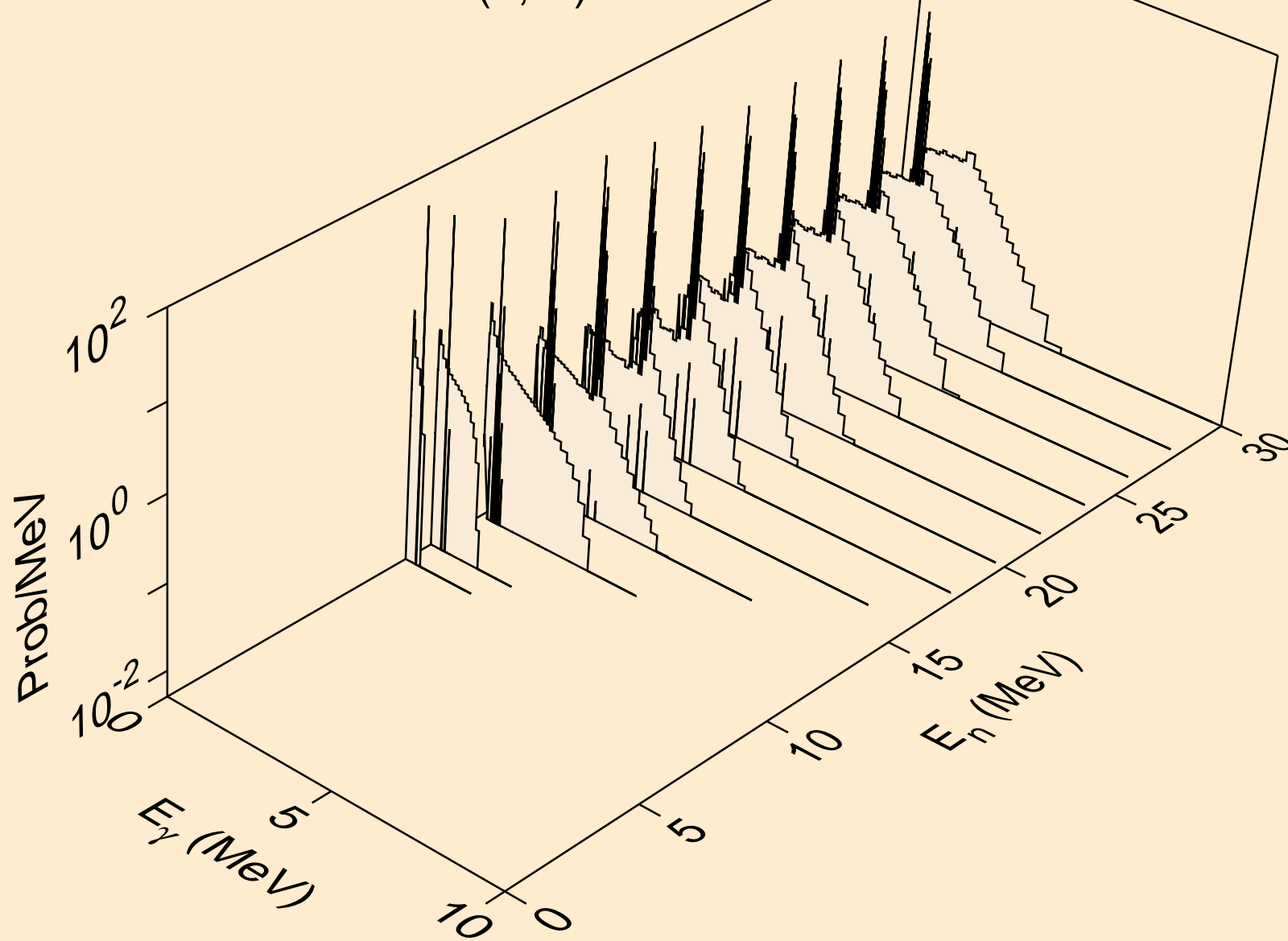
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)

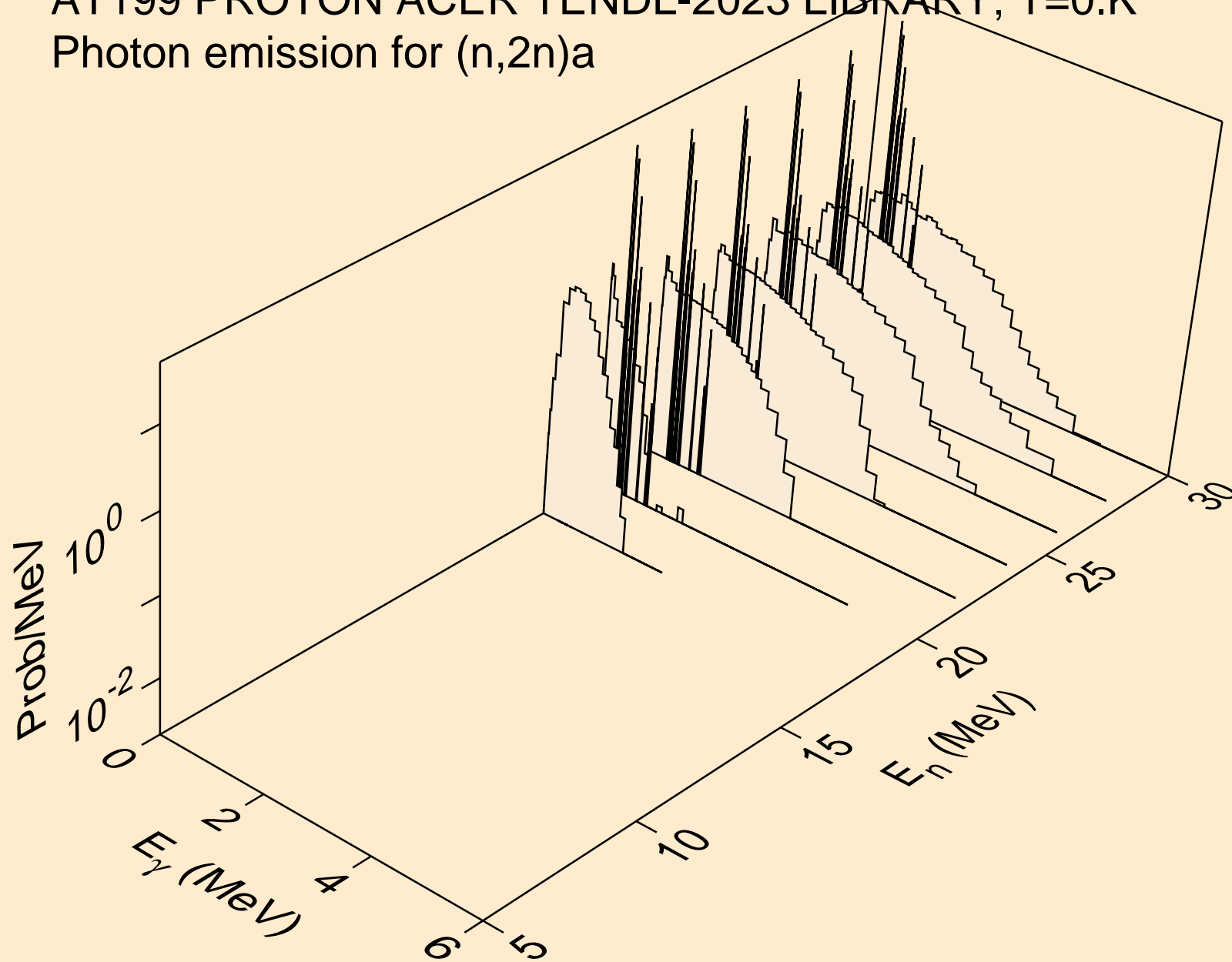


AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

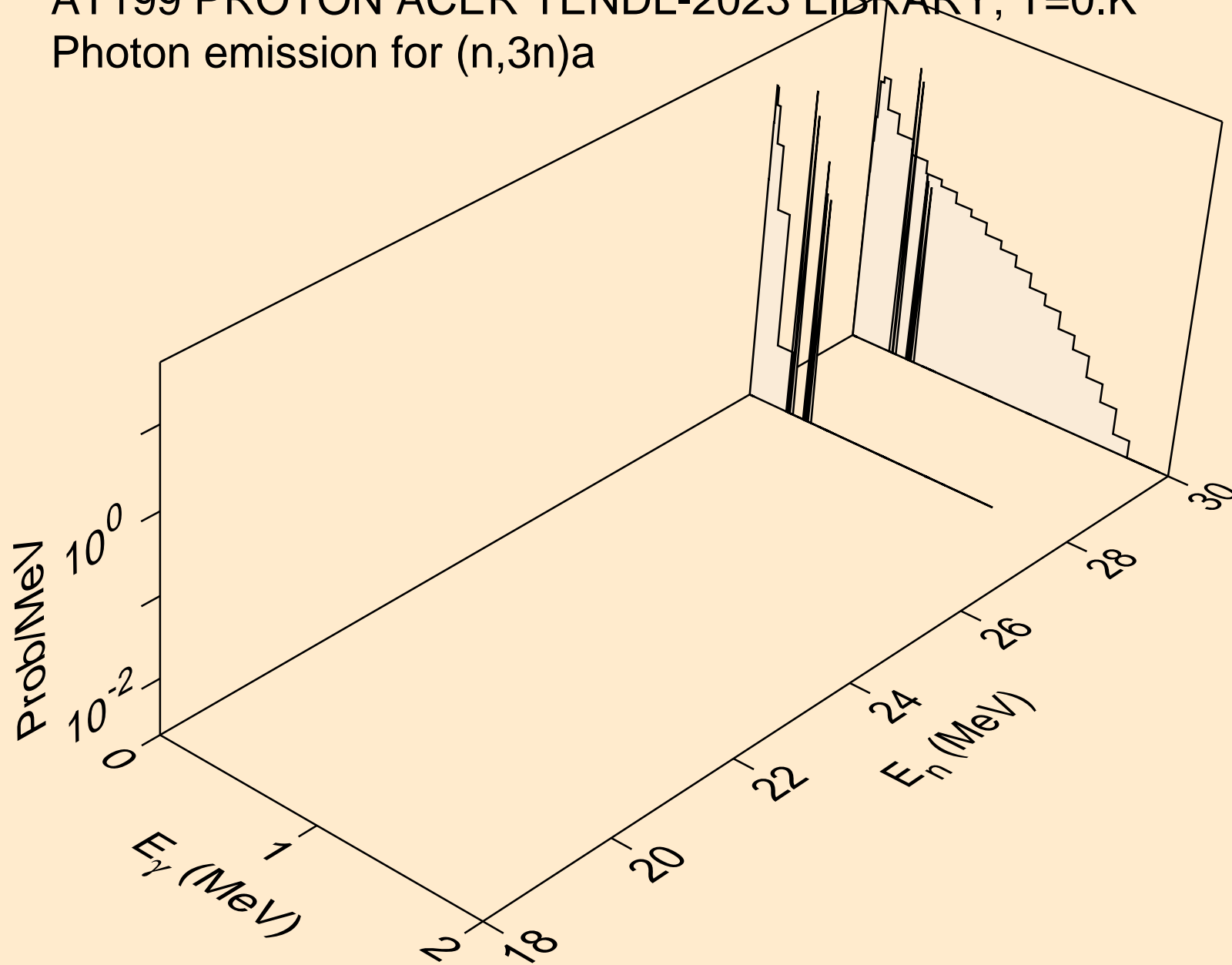




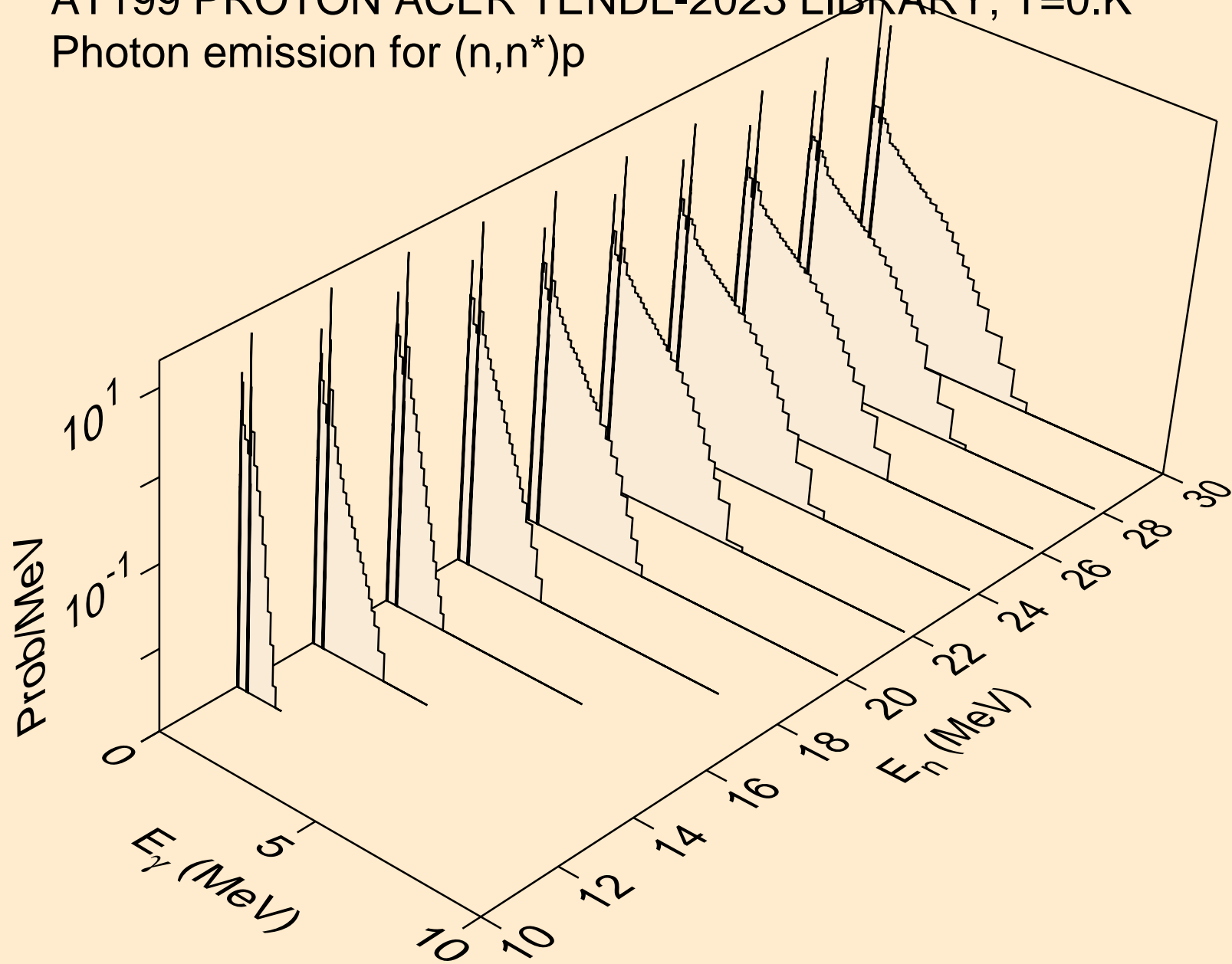
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



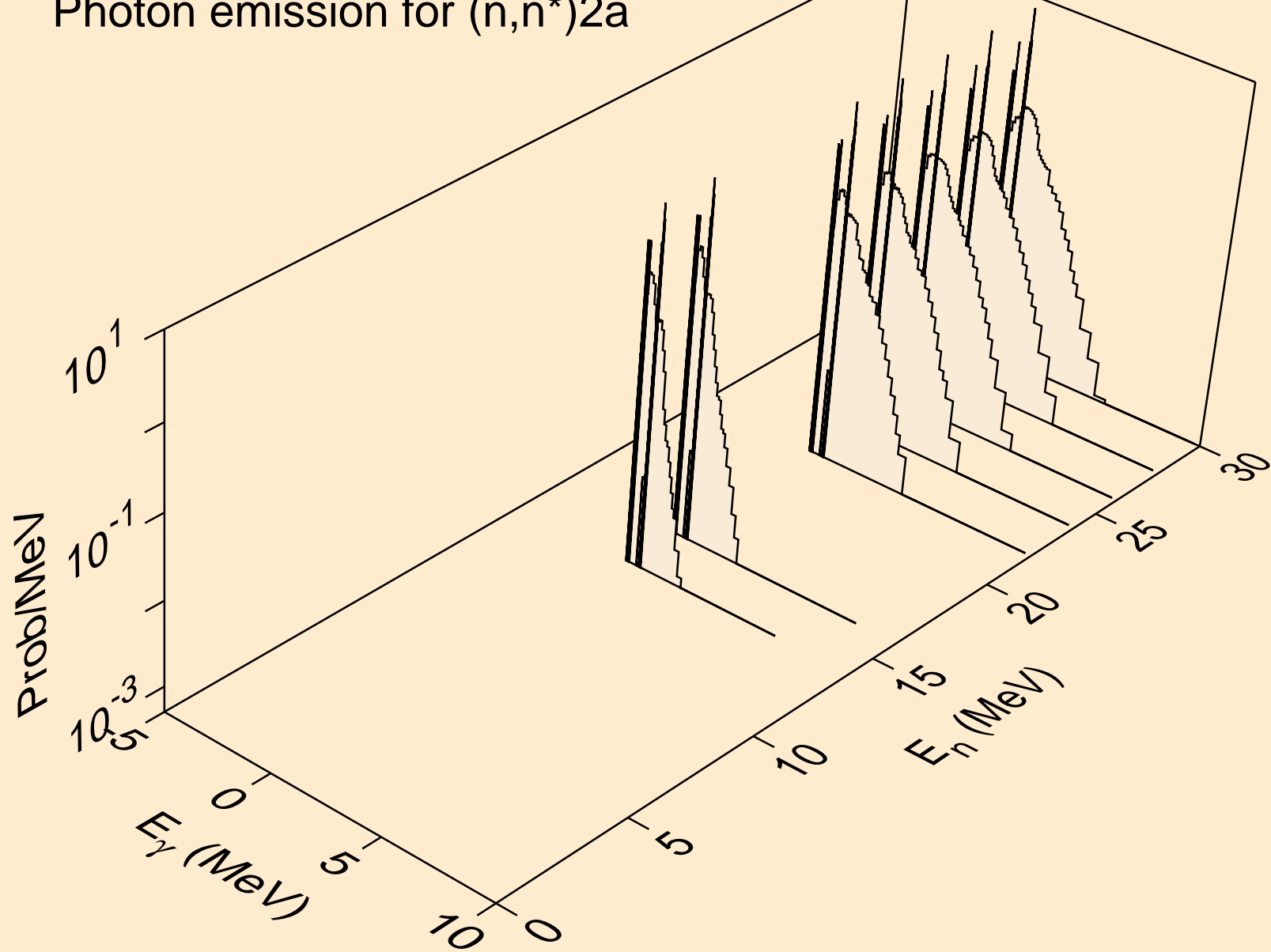
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Photon emission for (n,3n)a



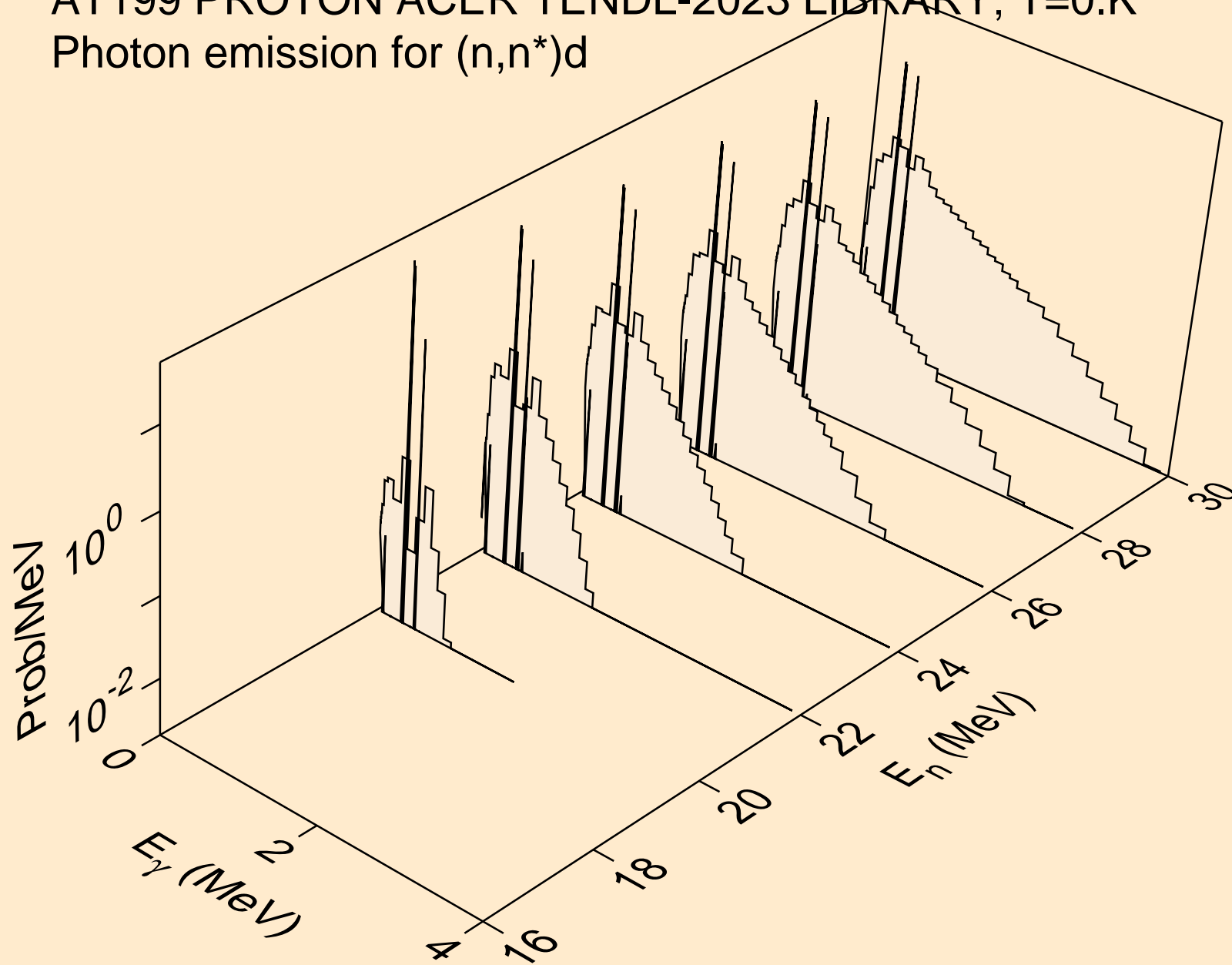
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Photon emission for (n,n\*)p



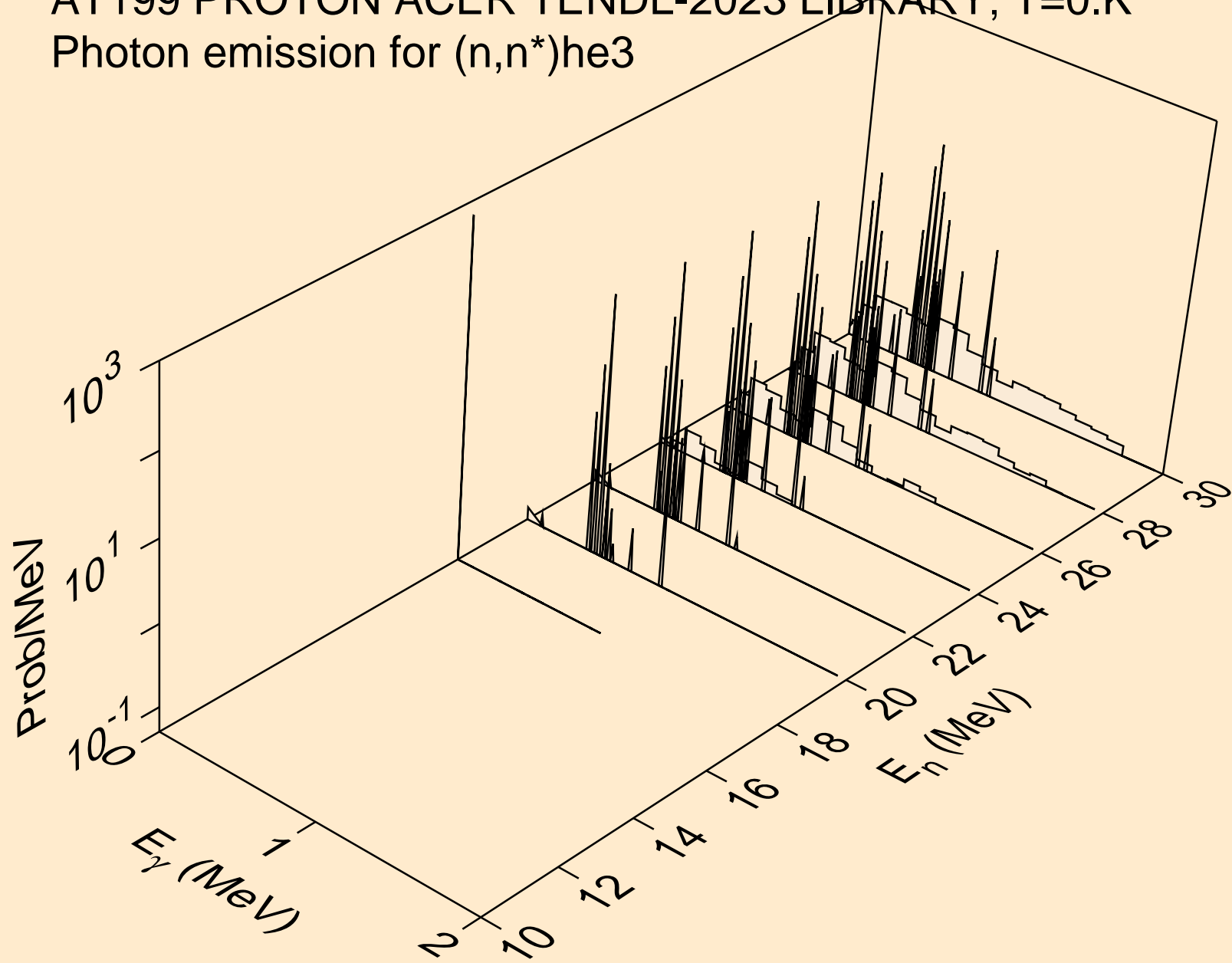
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Photon emission for (n,n\*)2a



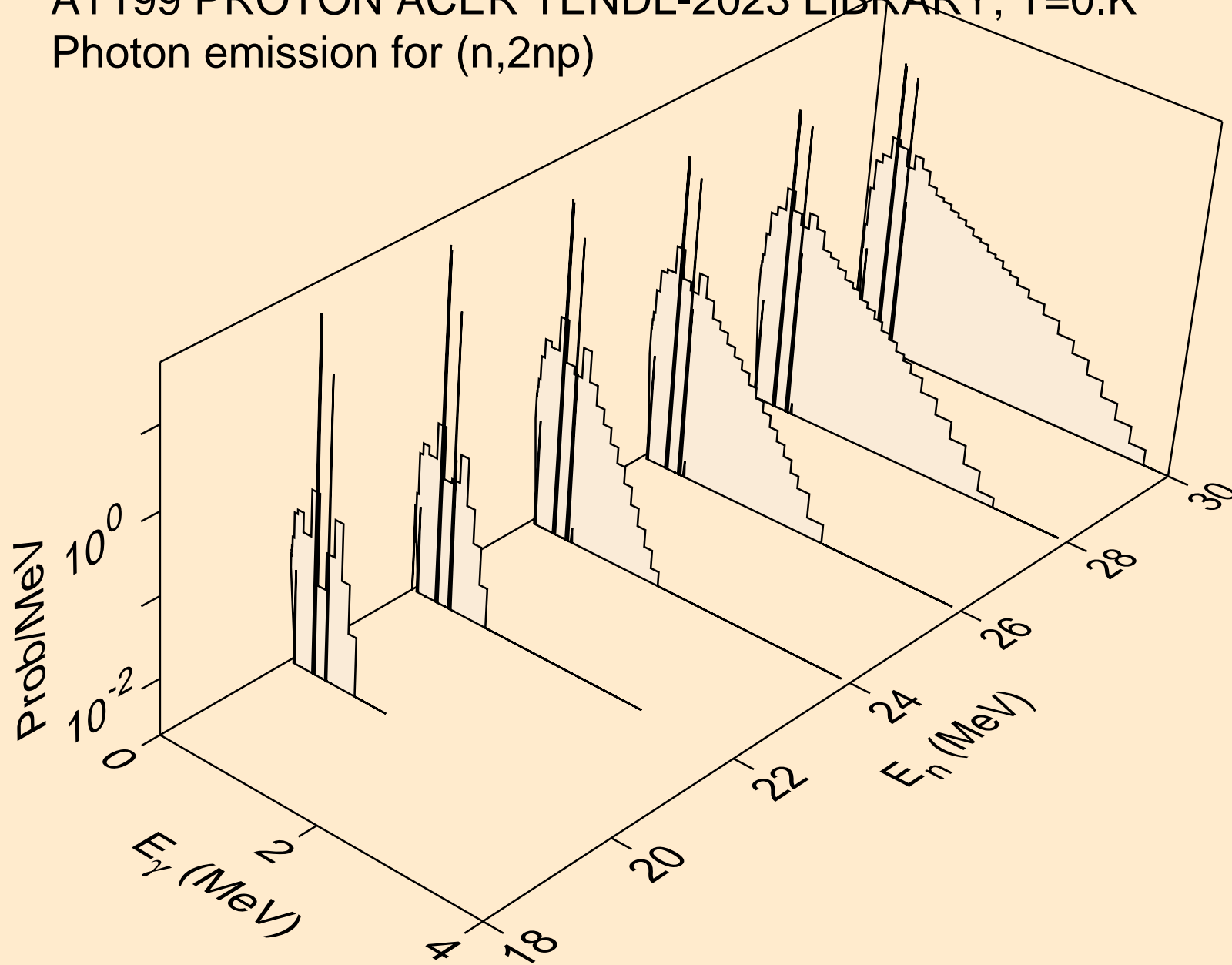
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



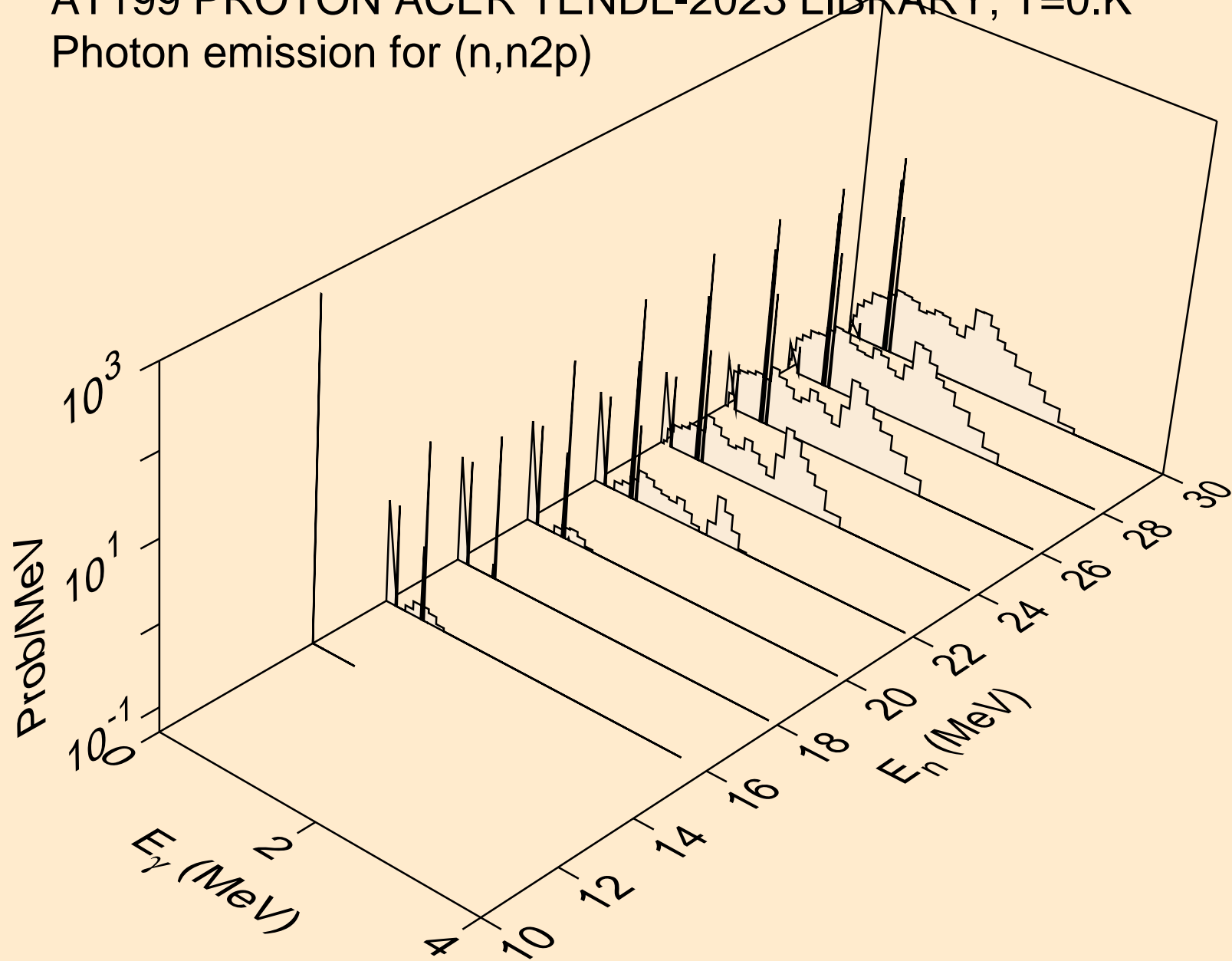
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

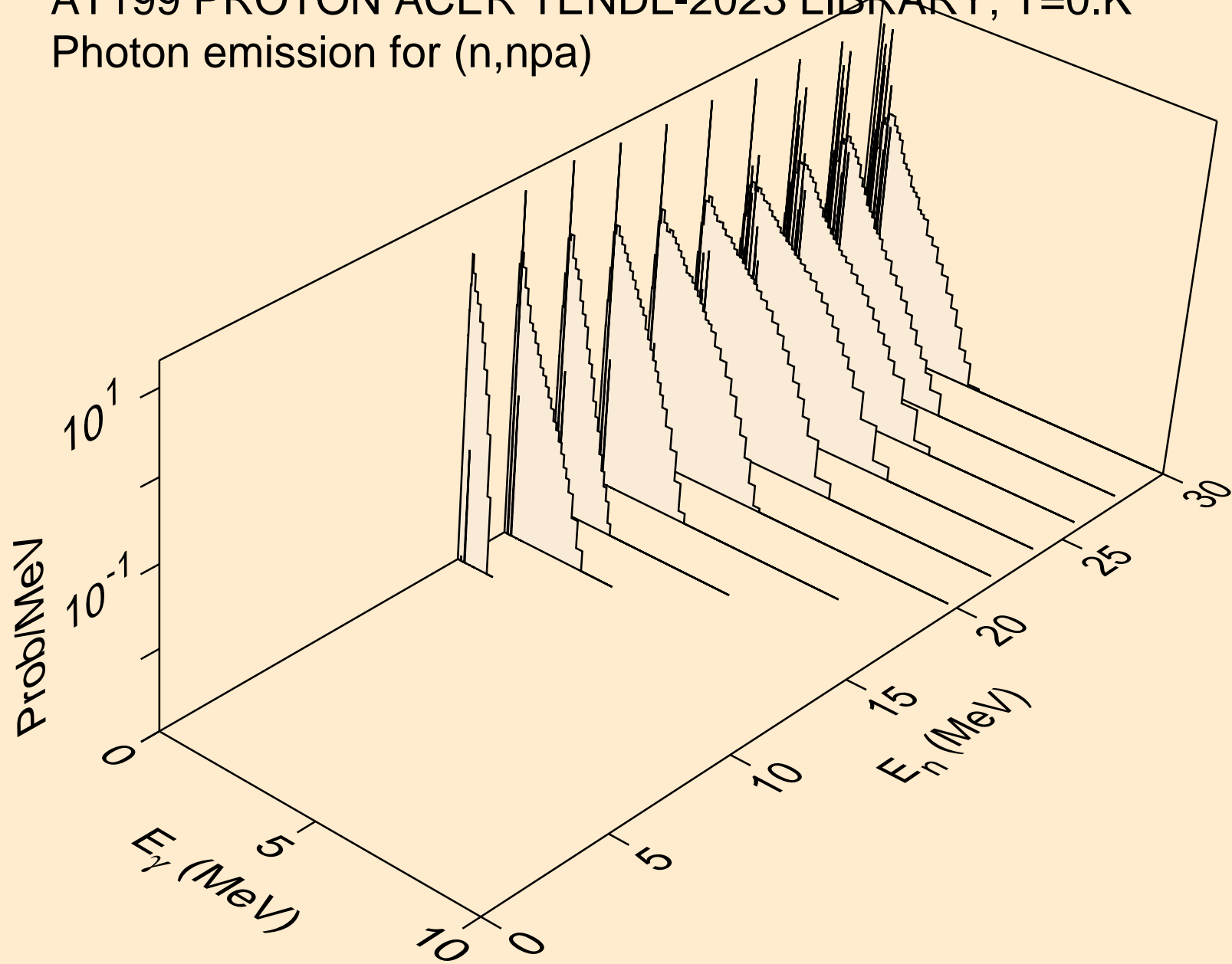


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Photon emission for (n,n2p)

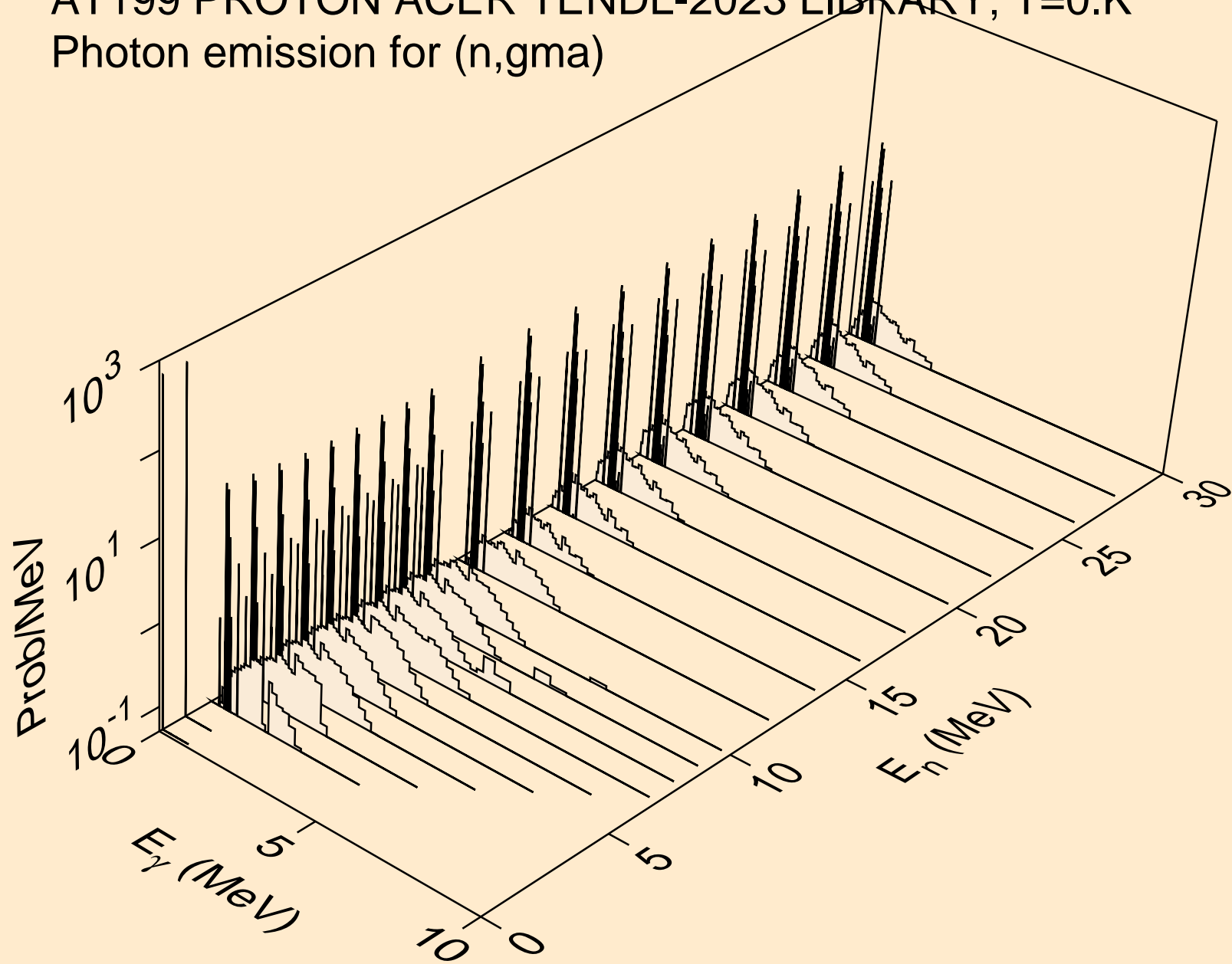




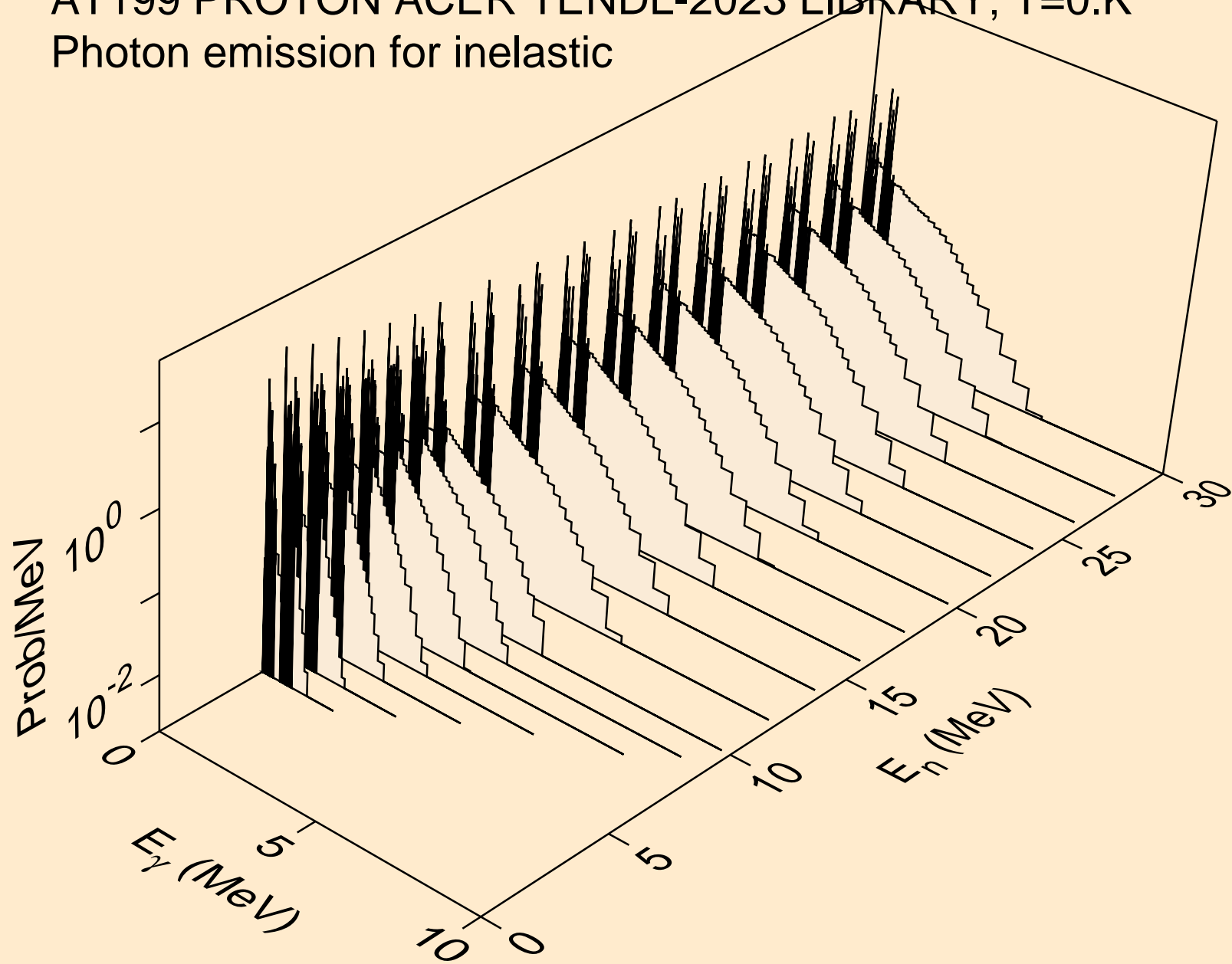
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Photon emission for (n,npa)



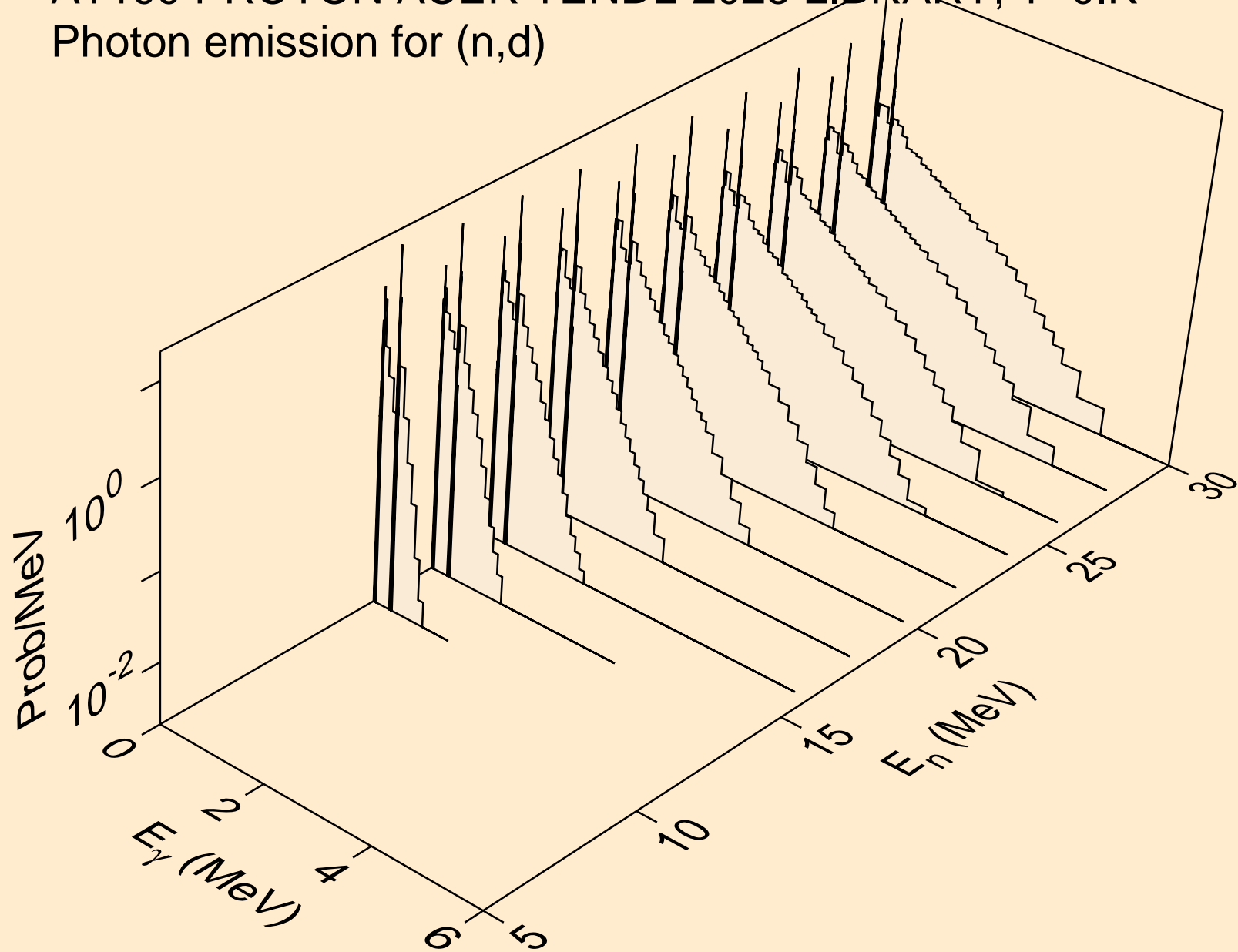
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Photon emission for (n,gma)



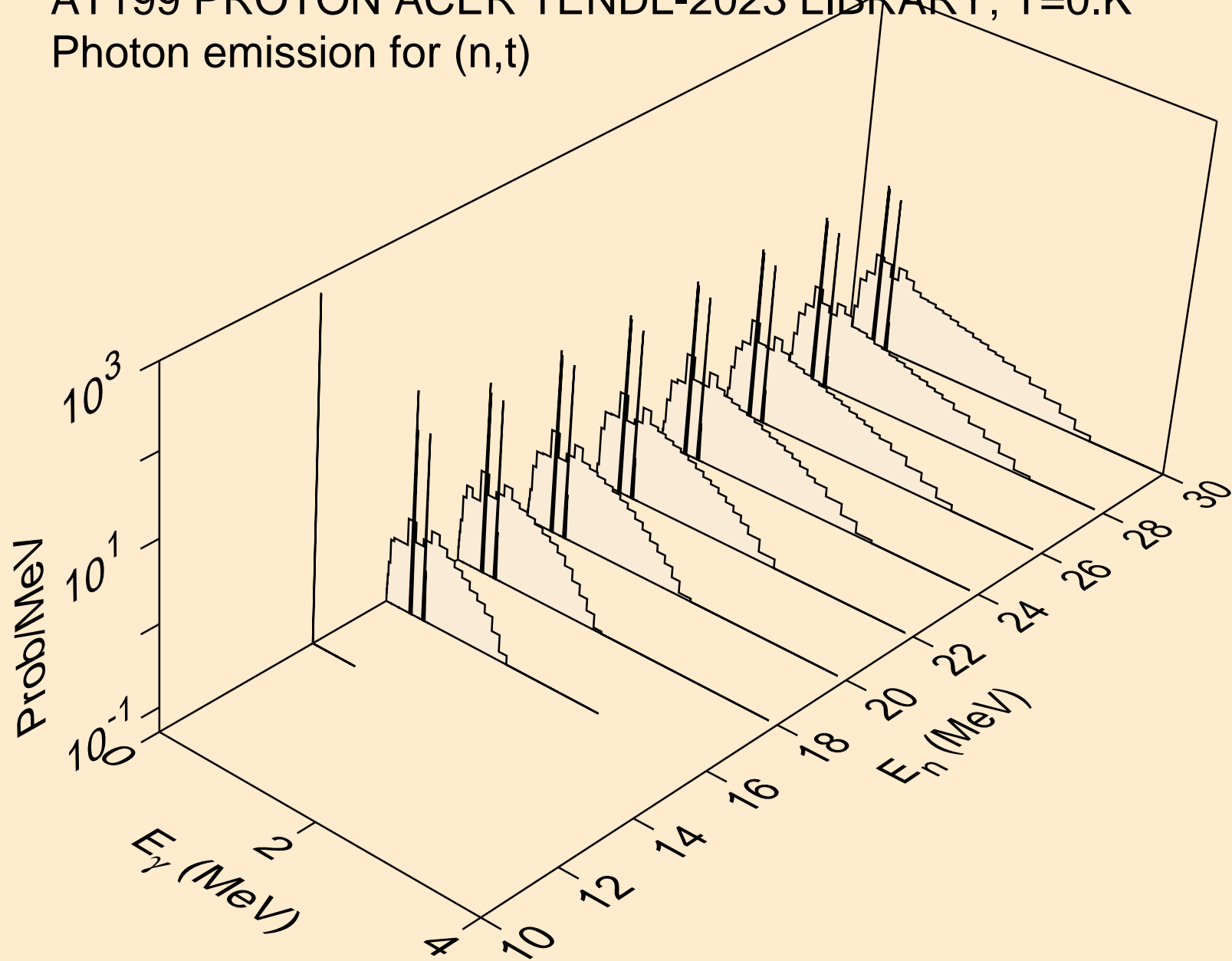
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



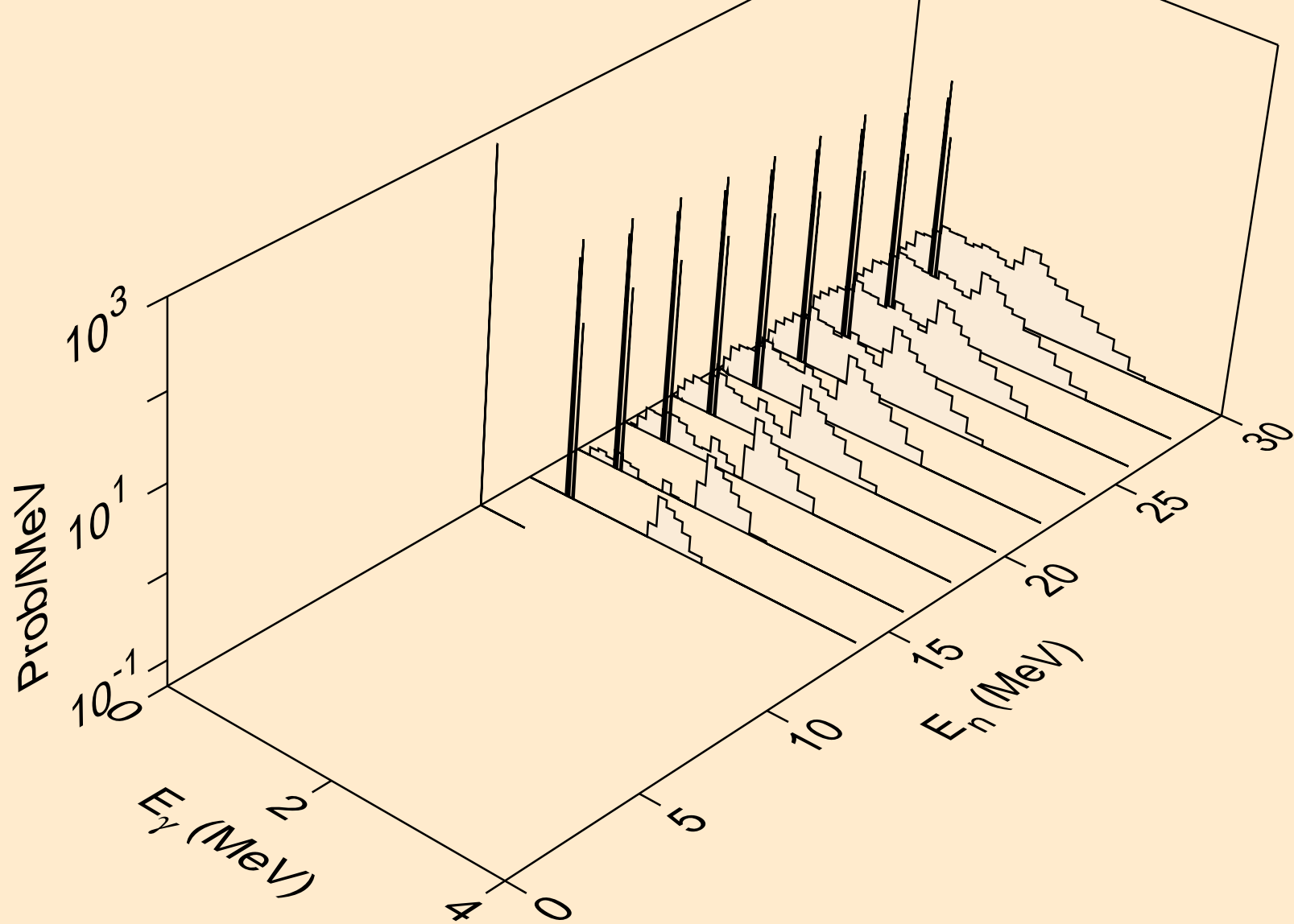
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Photon emission for (n,d)



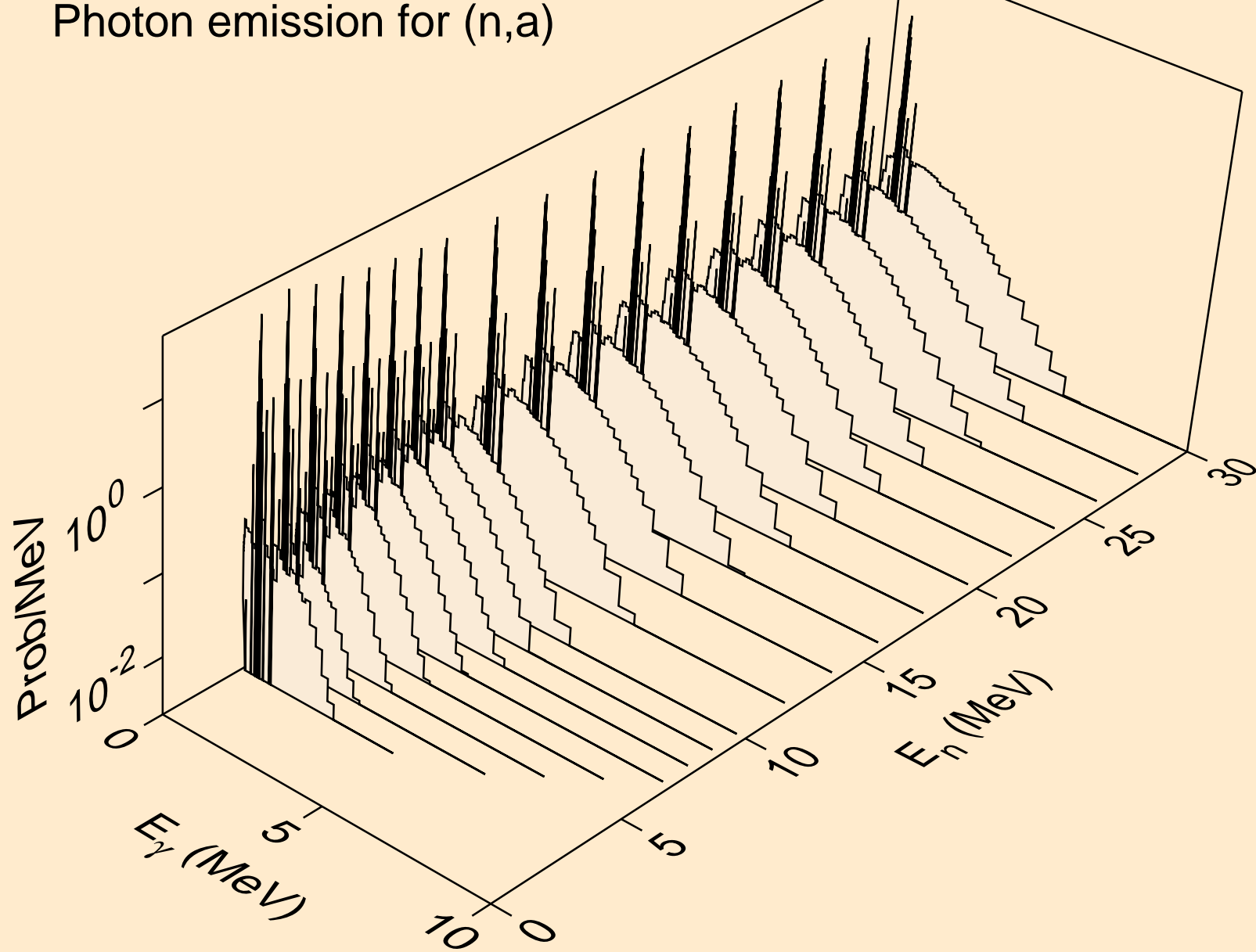
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Photon emission for (n,t)



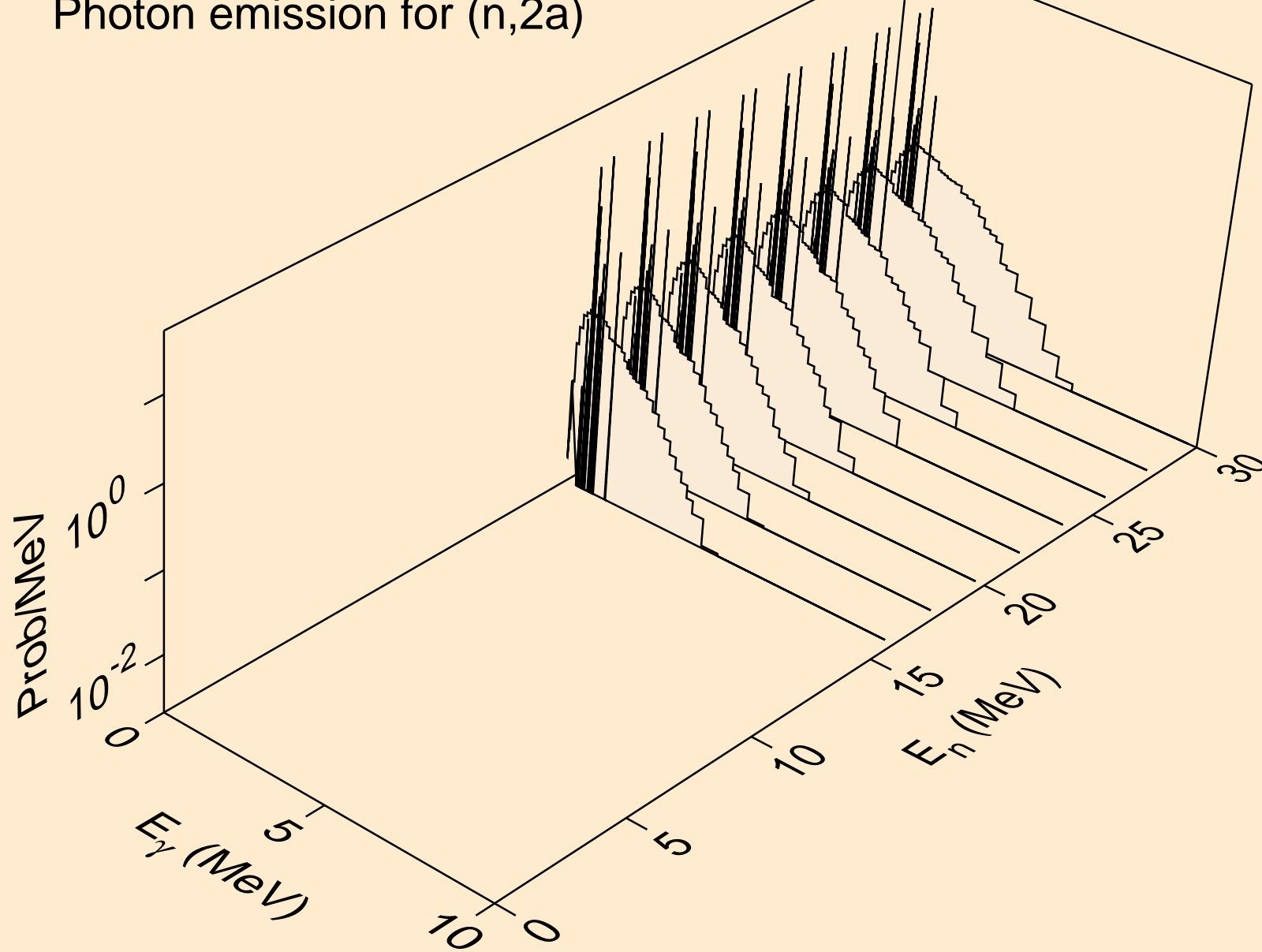
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

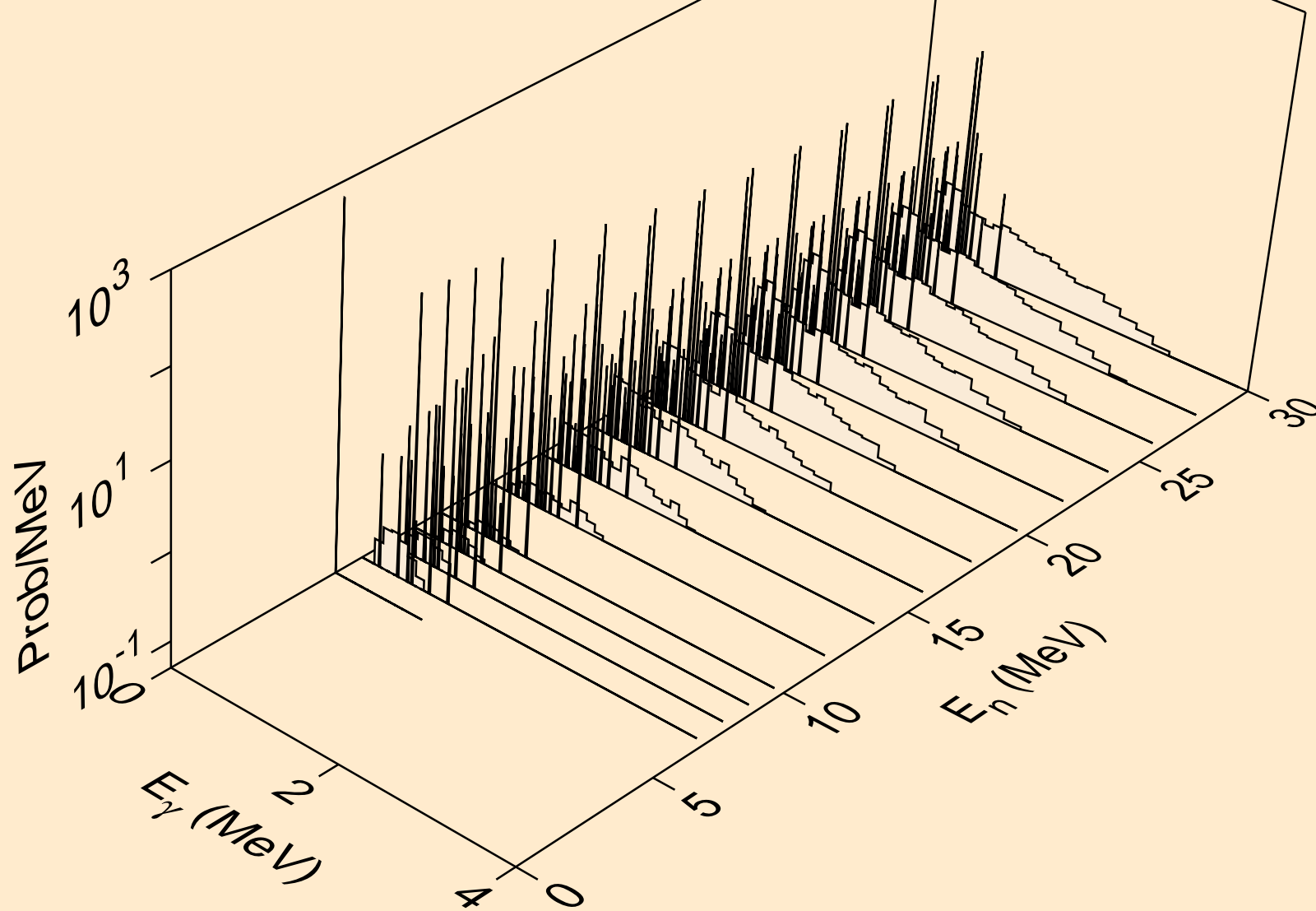


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Photon emission for (n,2a)

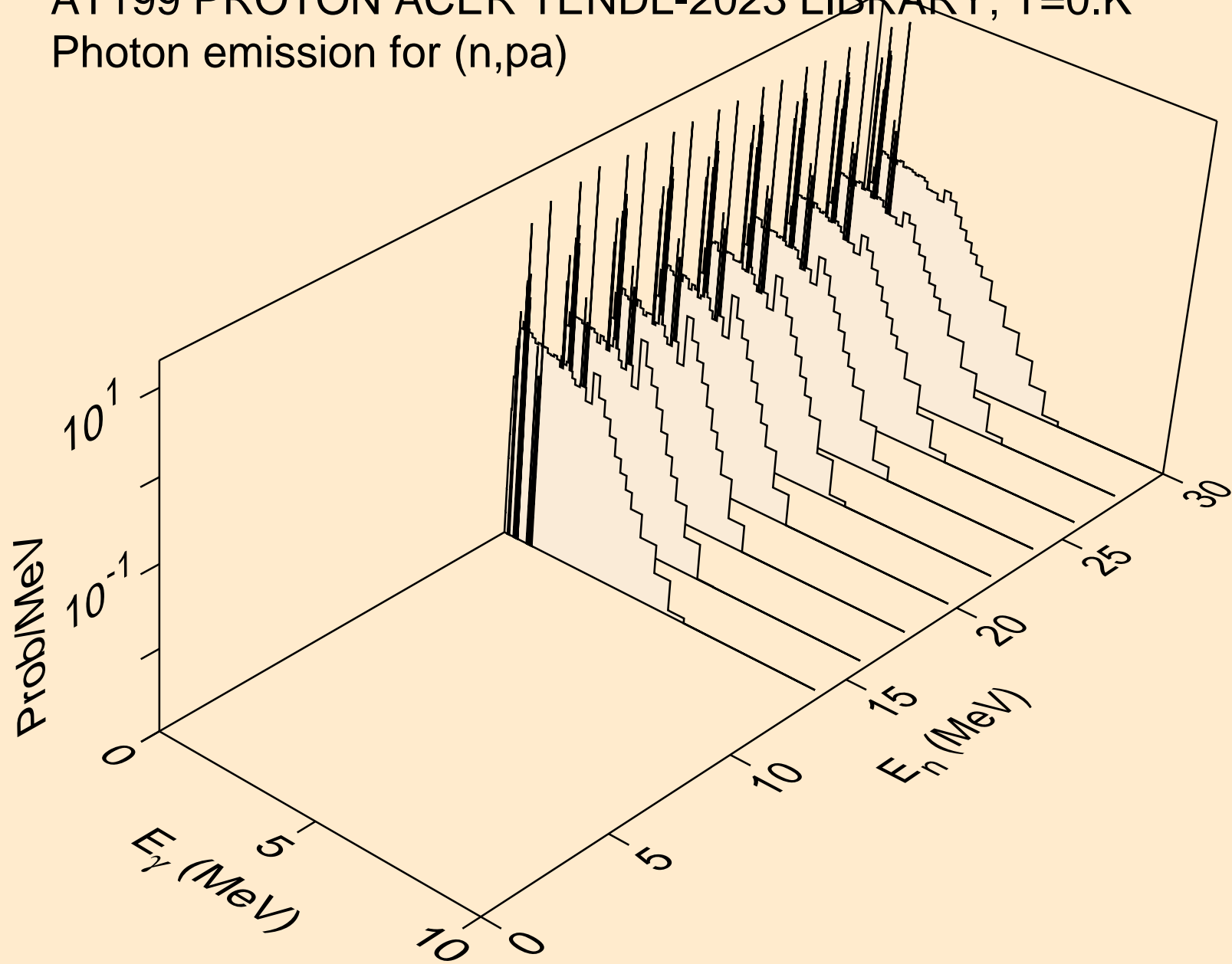




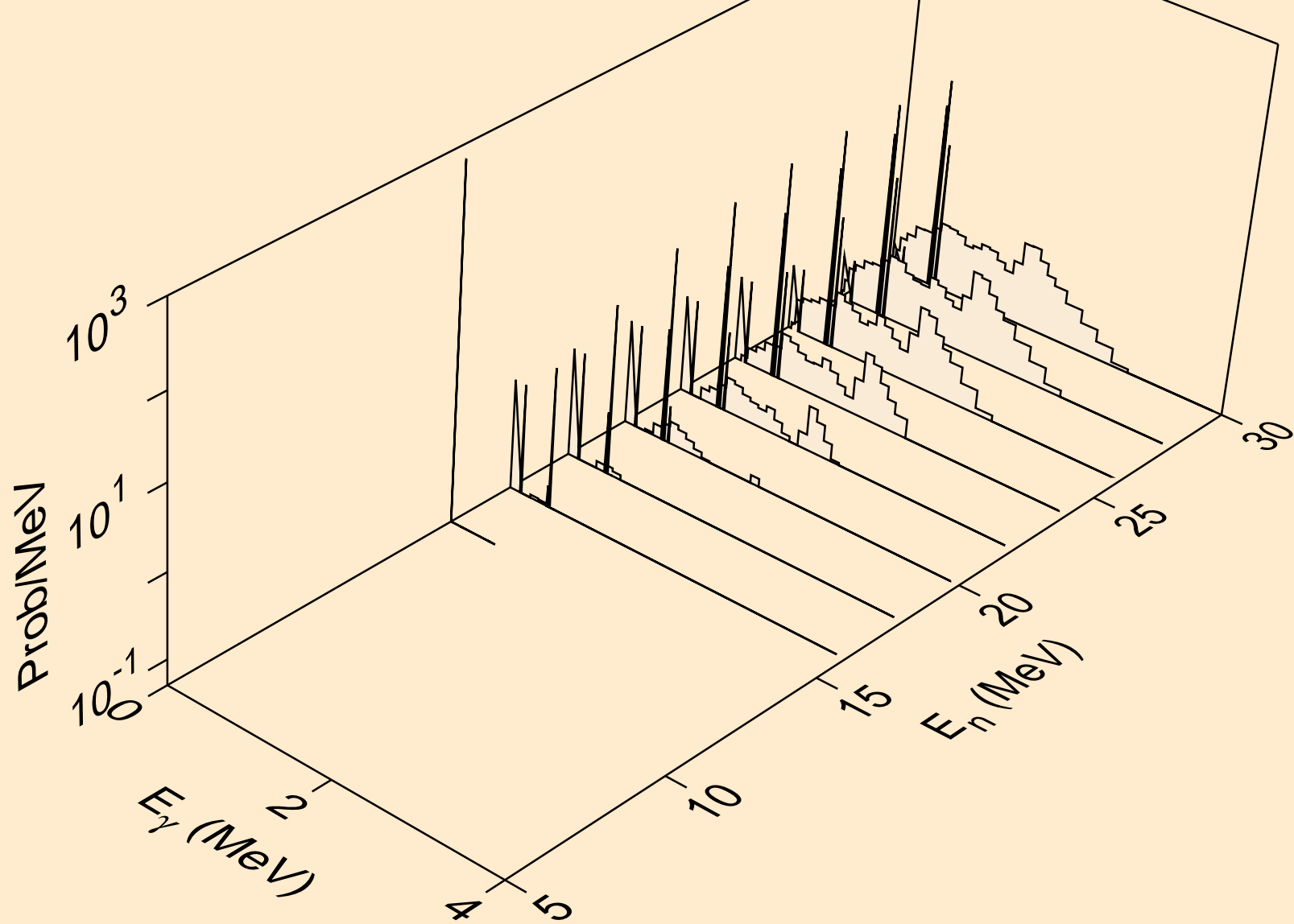
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Photon emission for (n,2p)



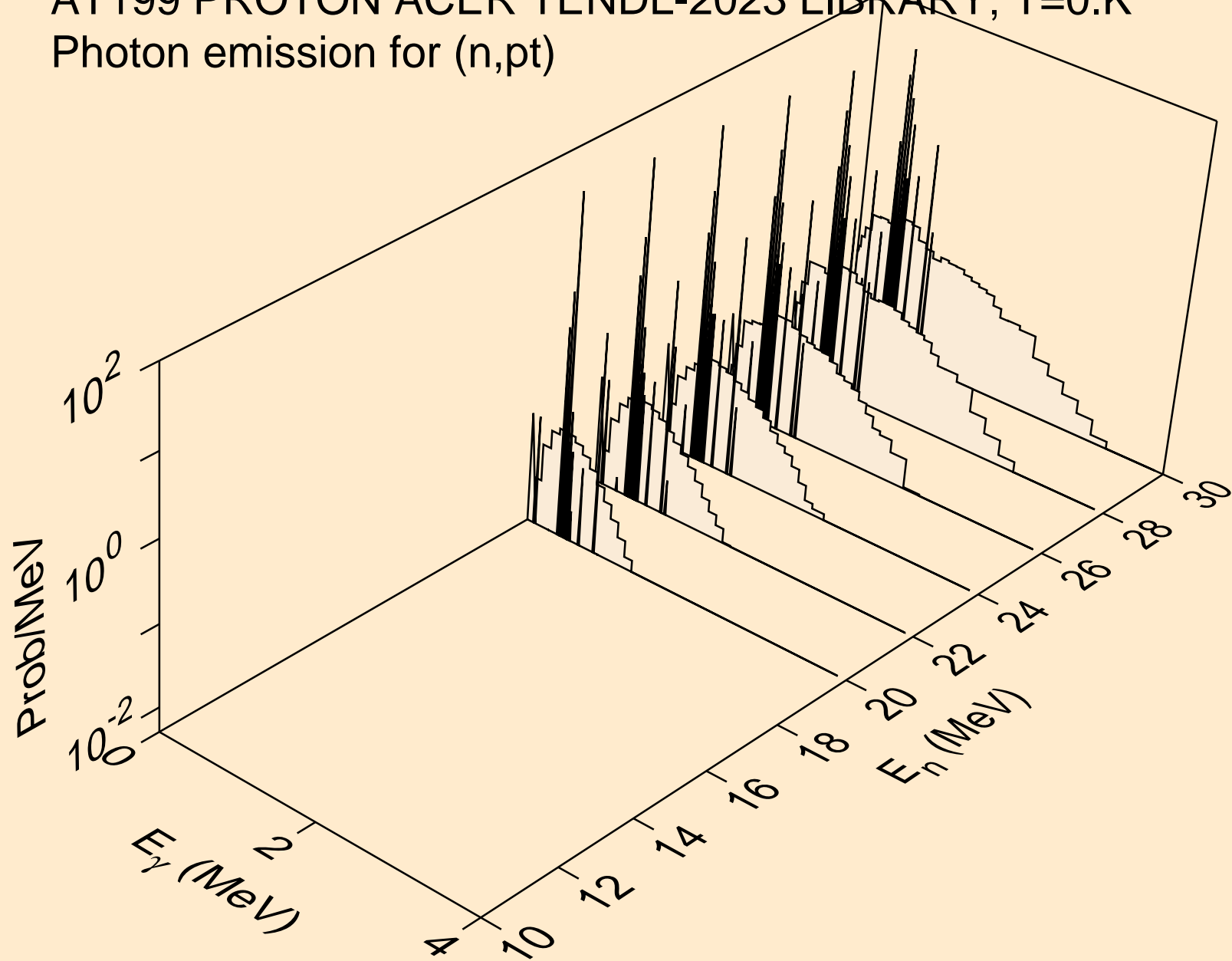
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Photon emission for (n,p)



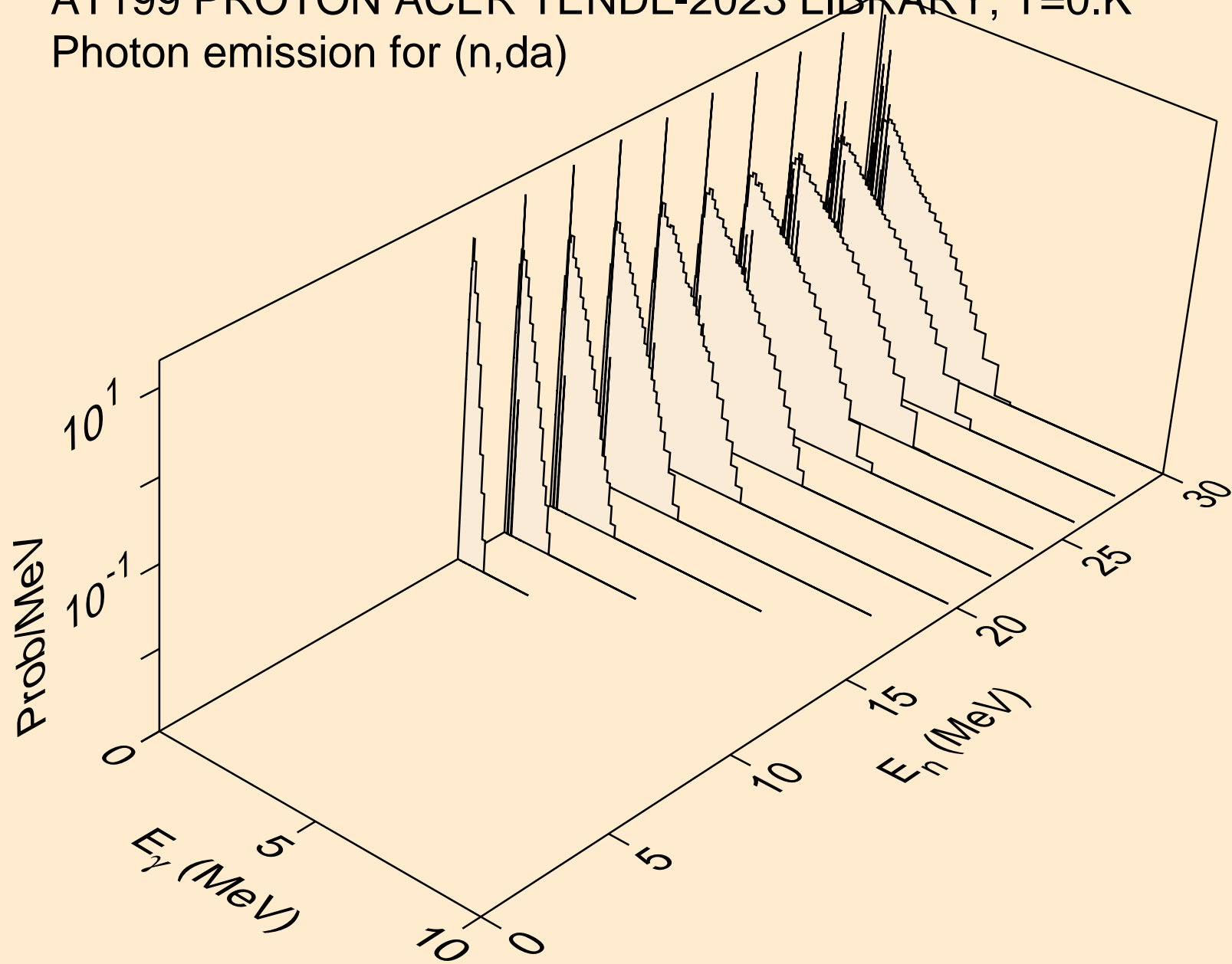
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Photon emission for (n,pd)



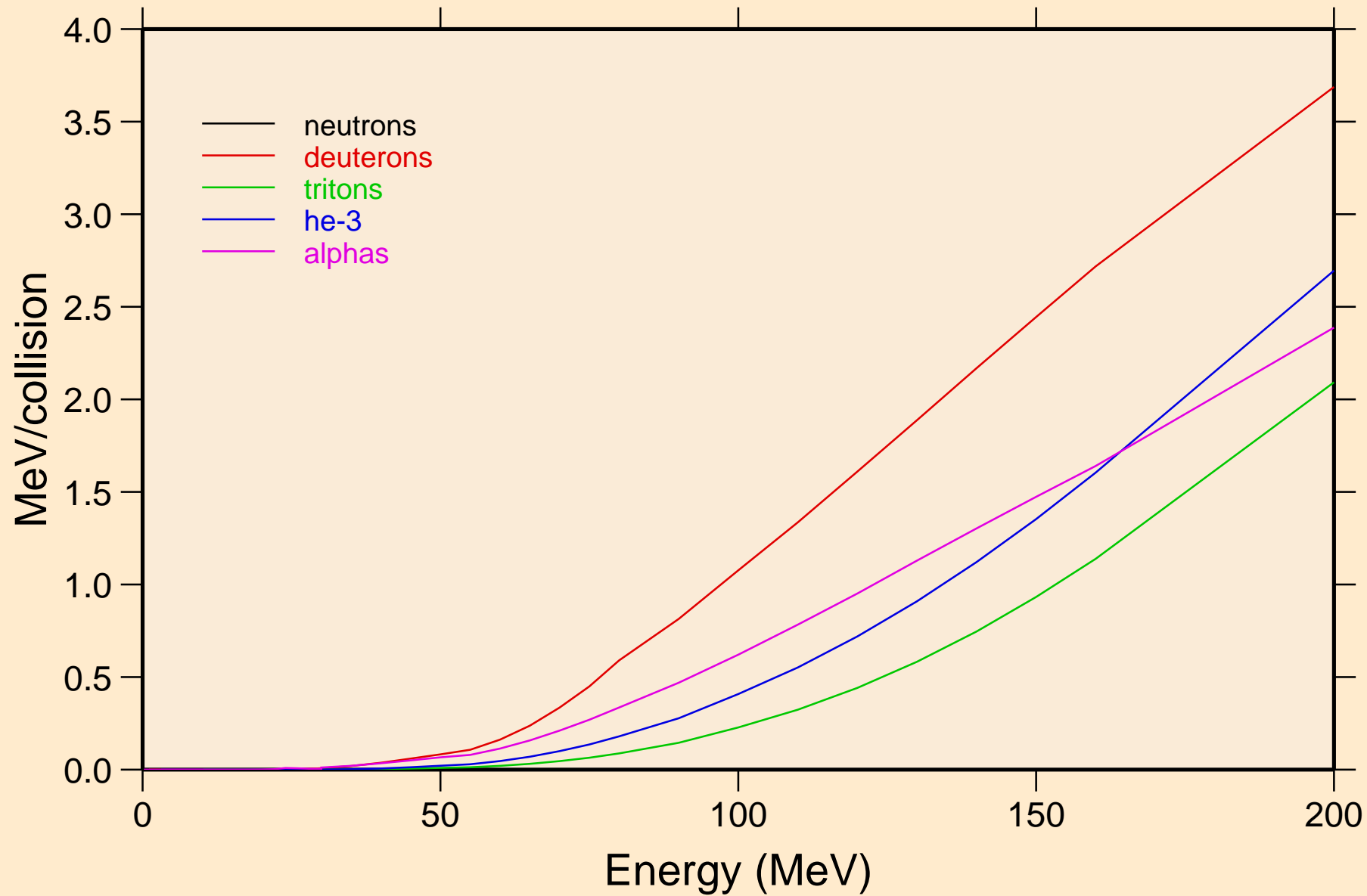
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Photon emission for (n,pt)



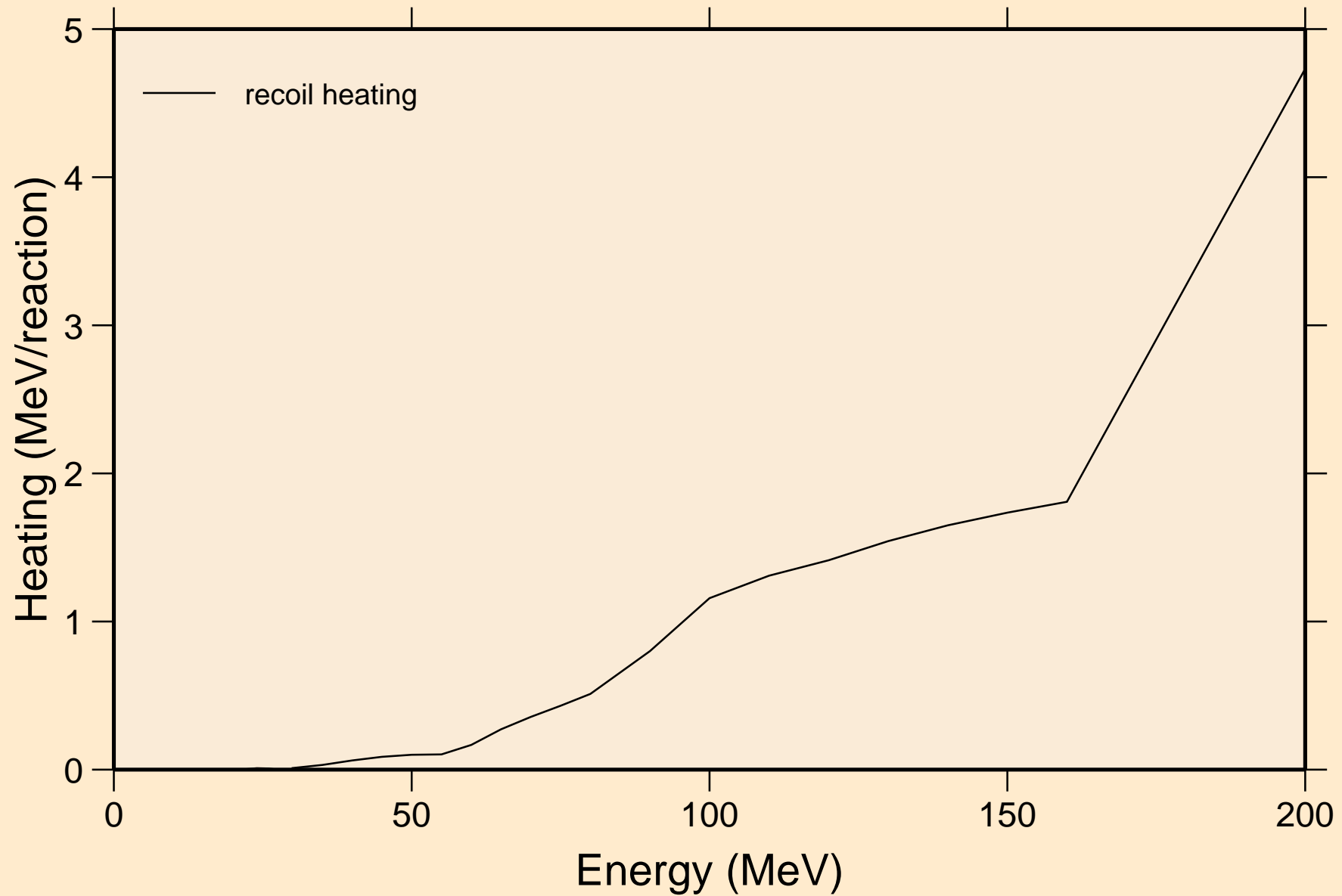
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Photon emission for (n,da)



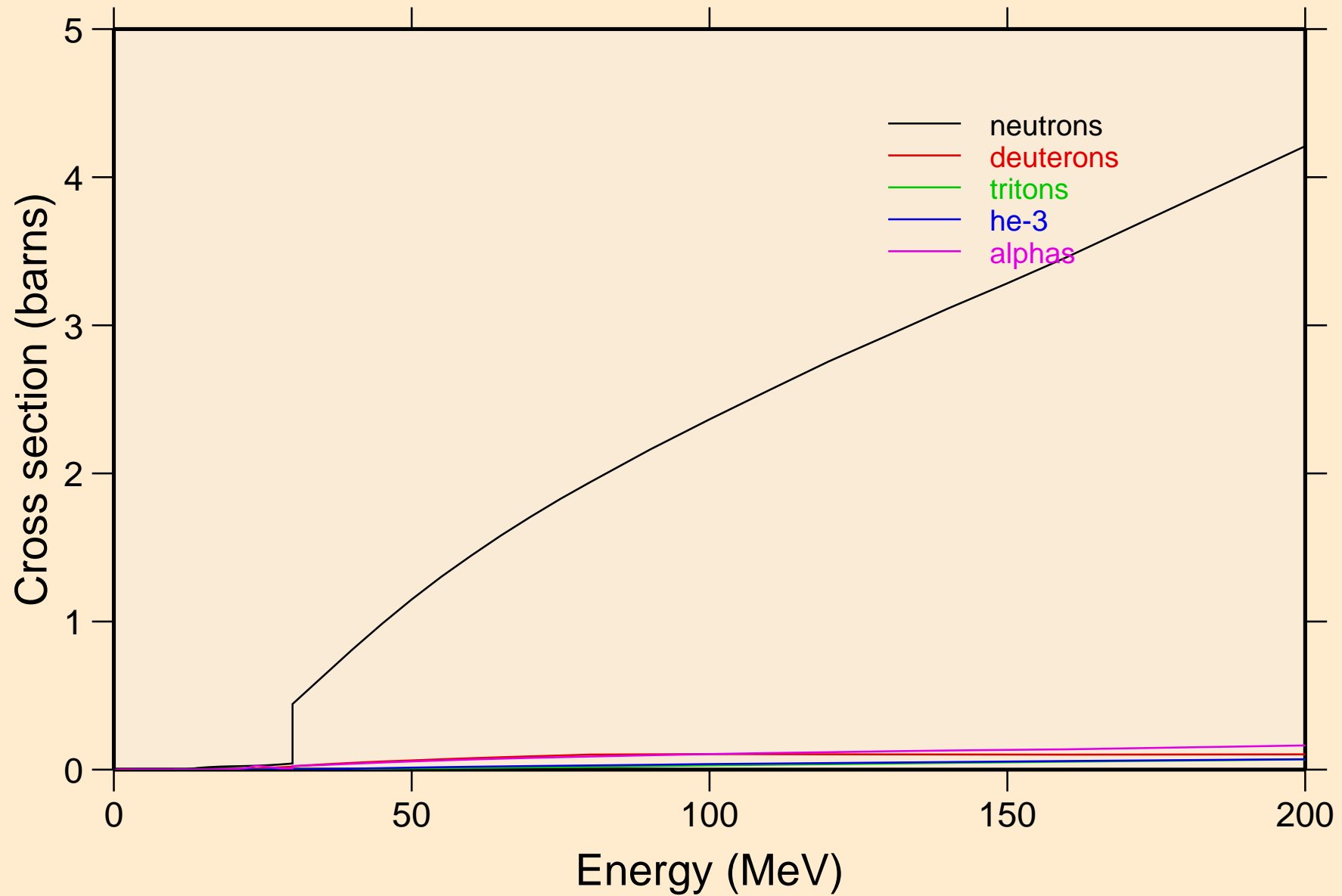
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions



AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

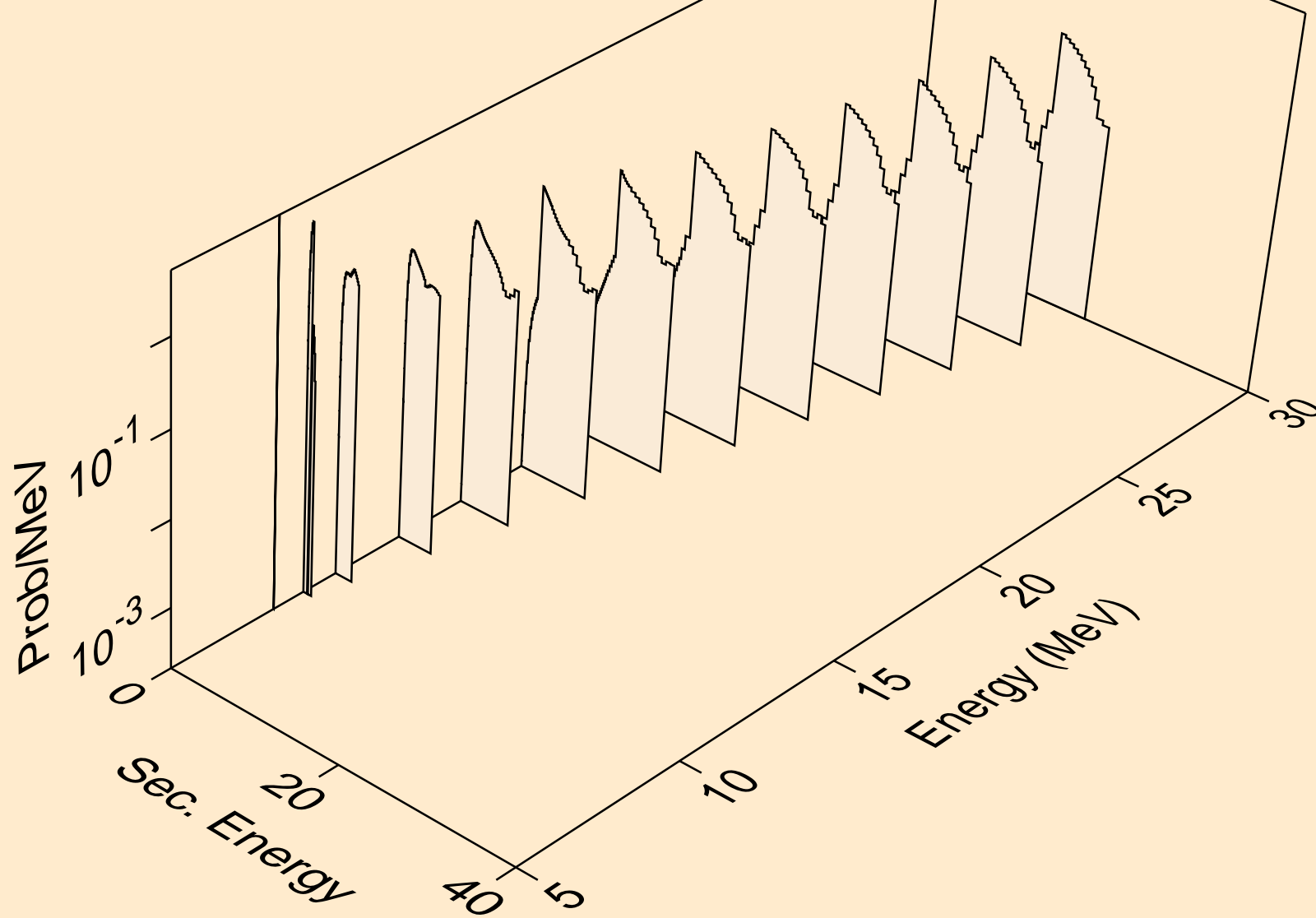


AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections

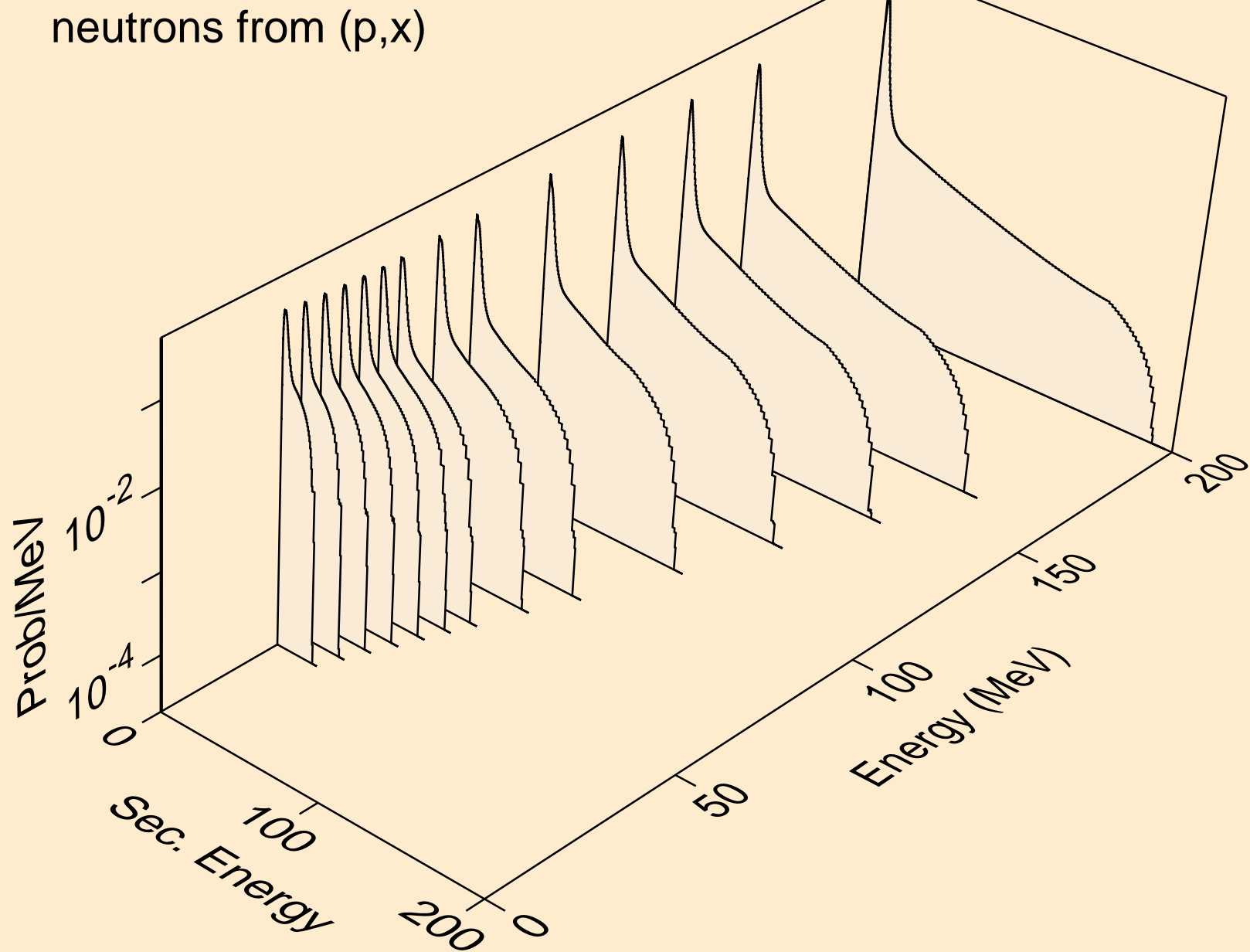




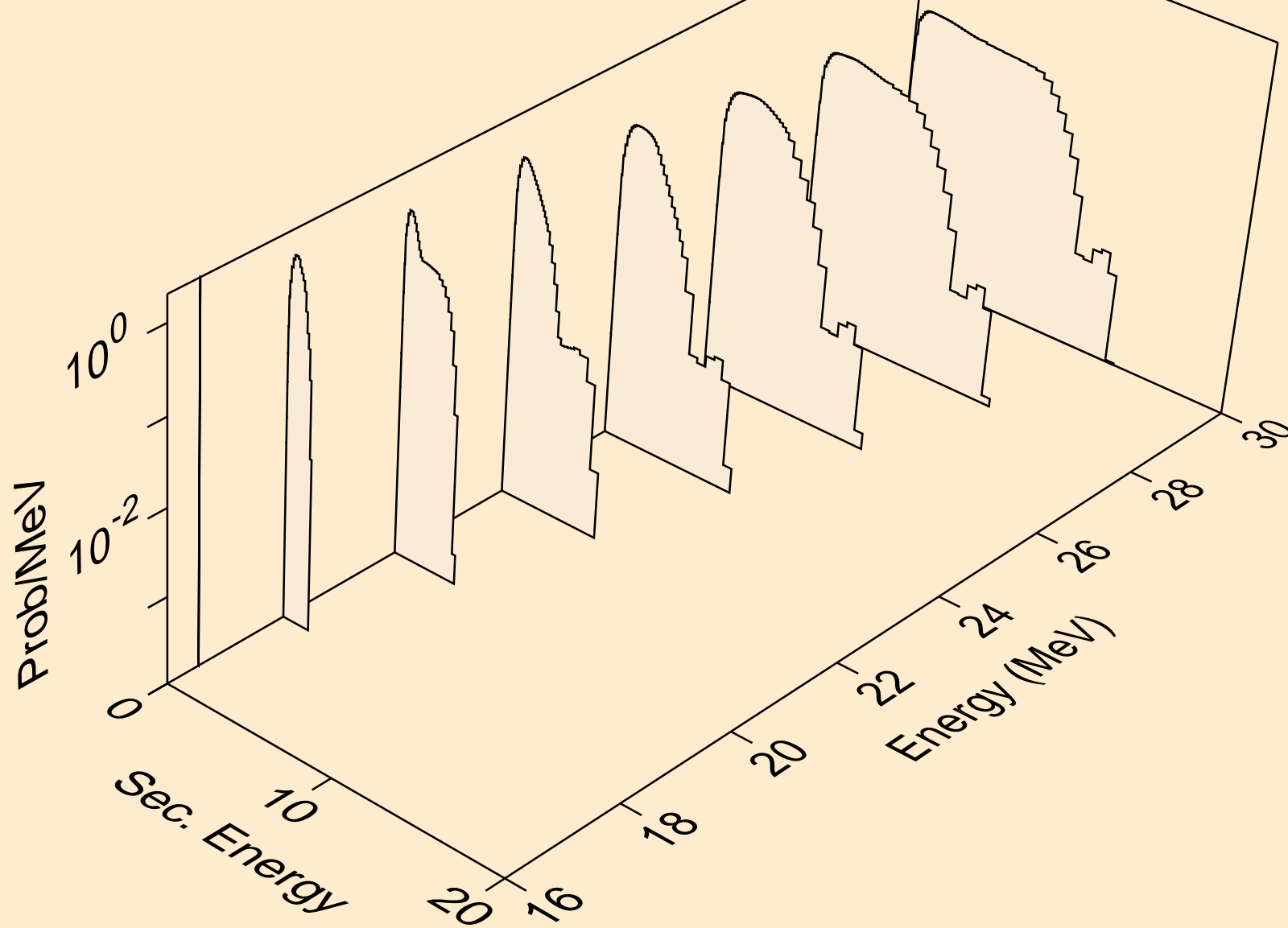
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)



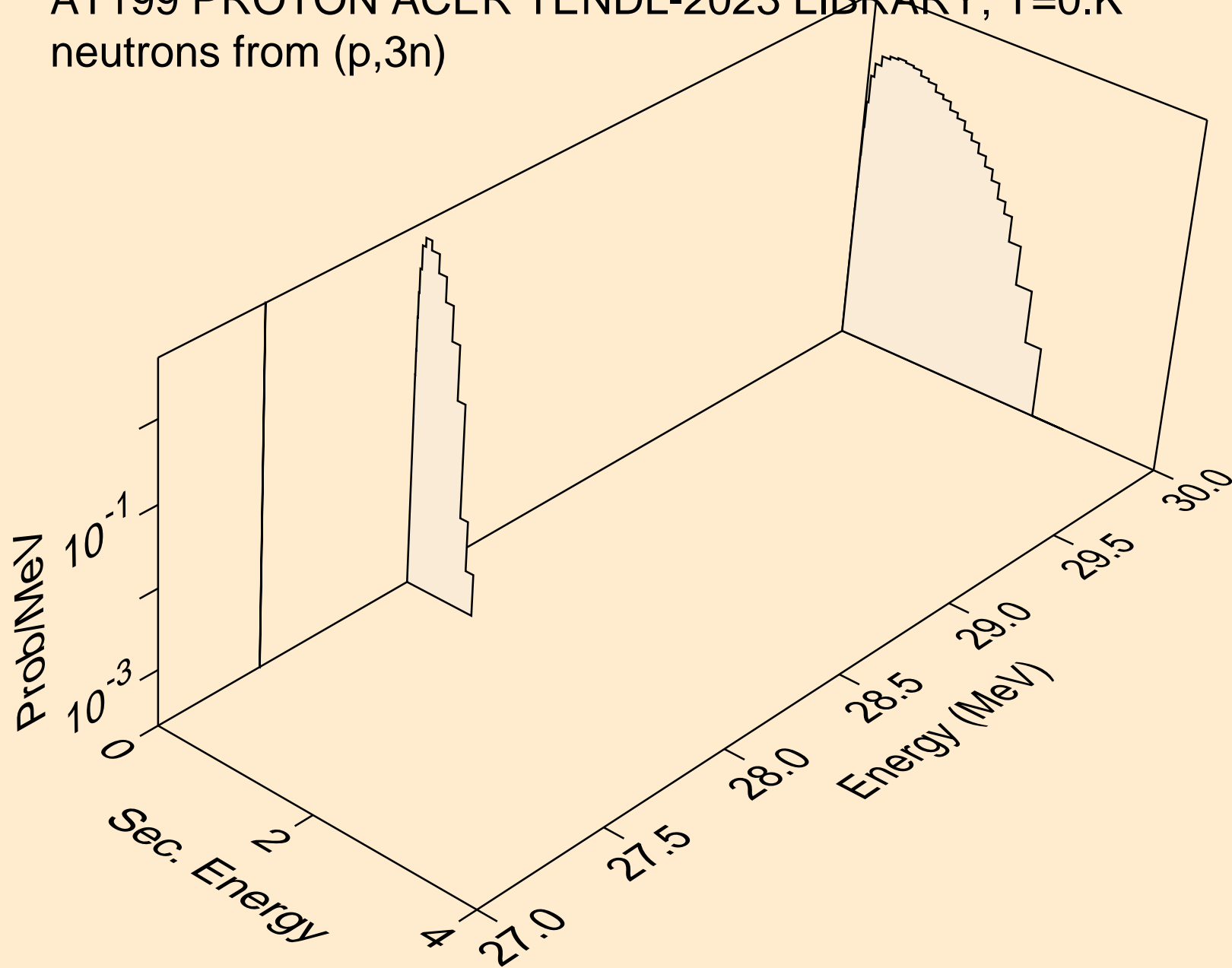
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,x)



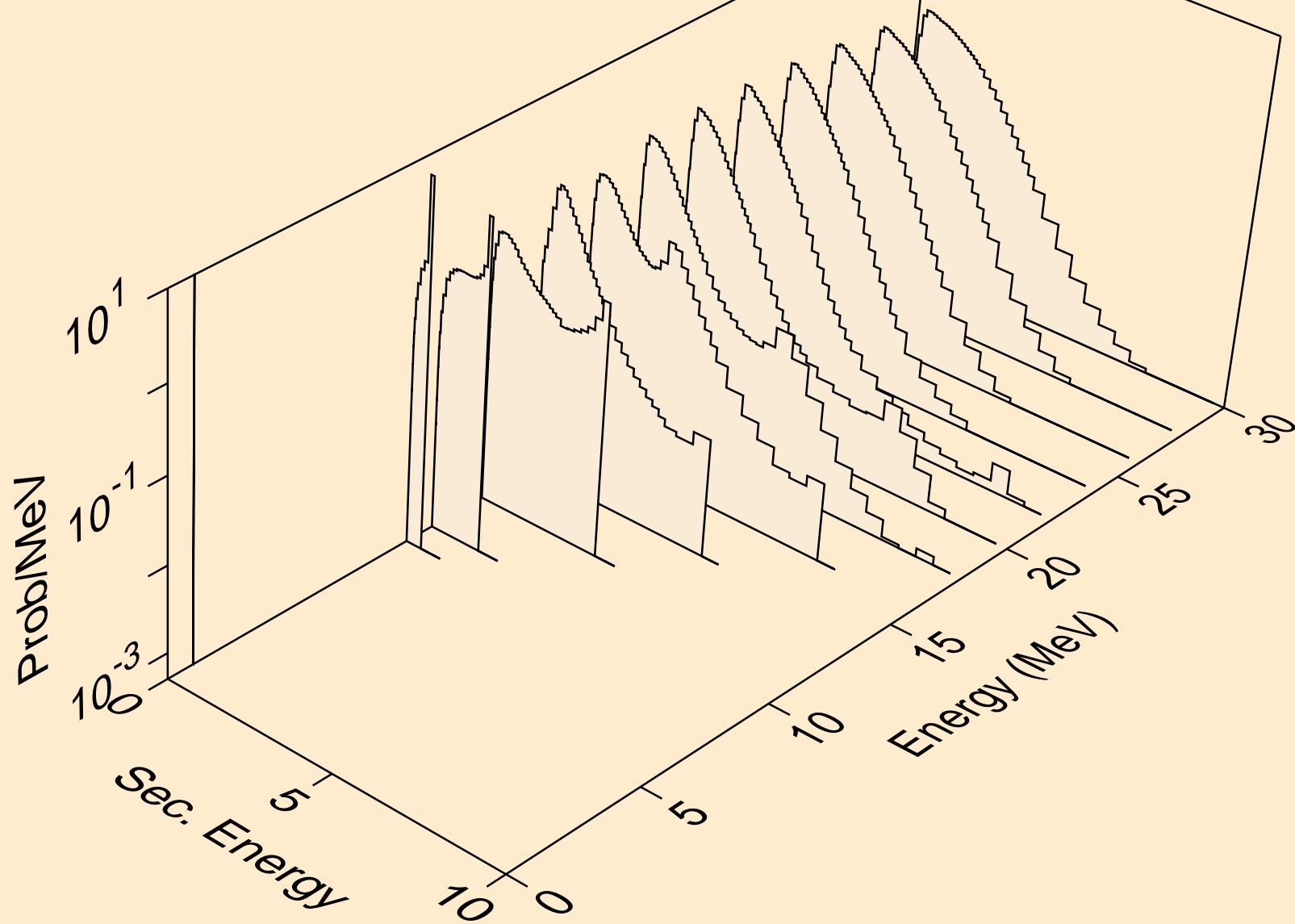
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)



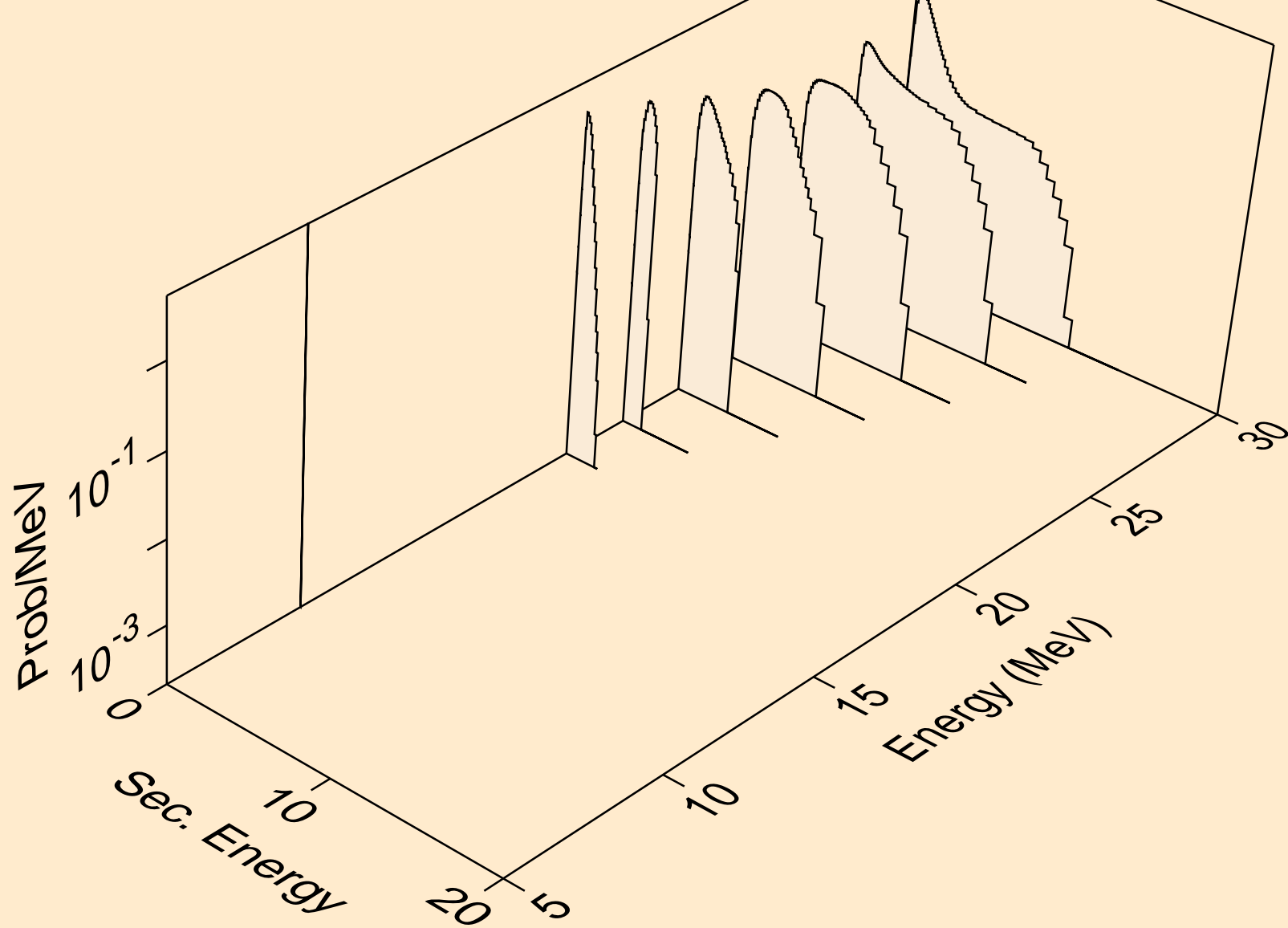
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3n)



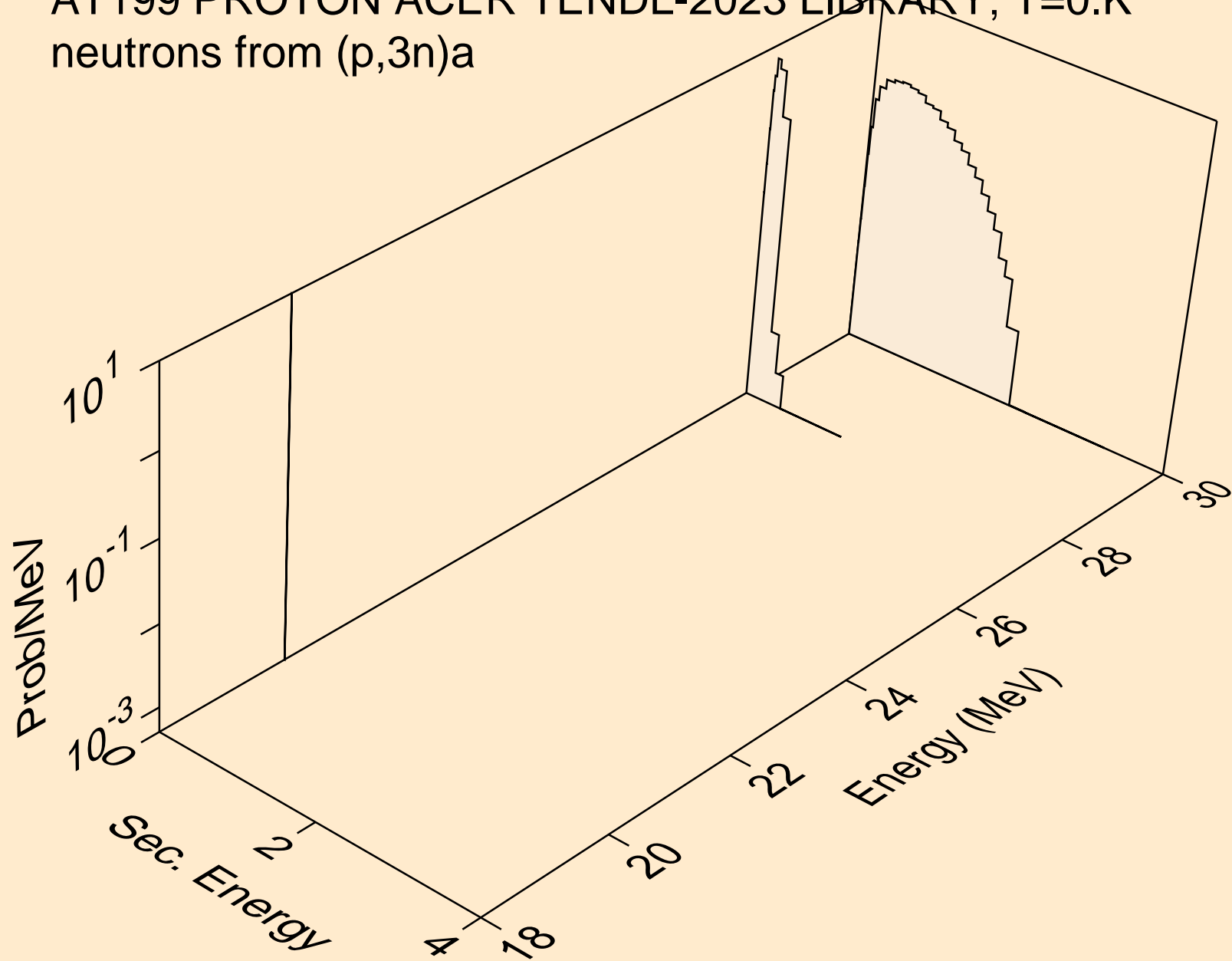
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)a



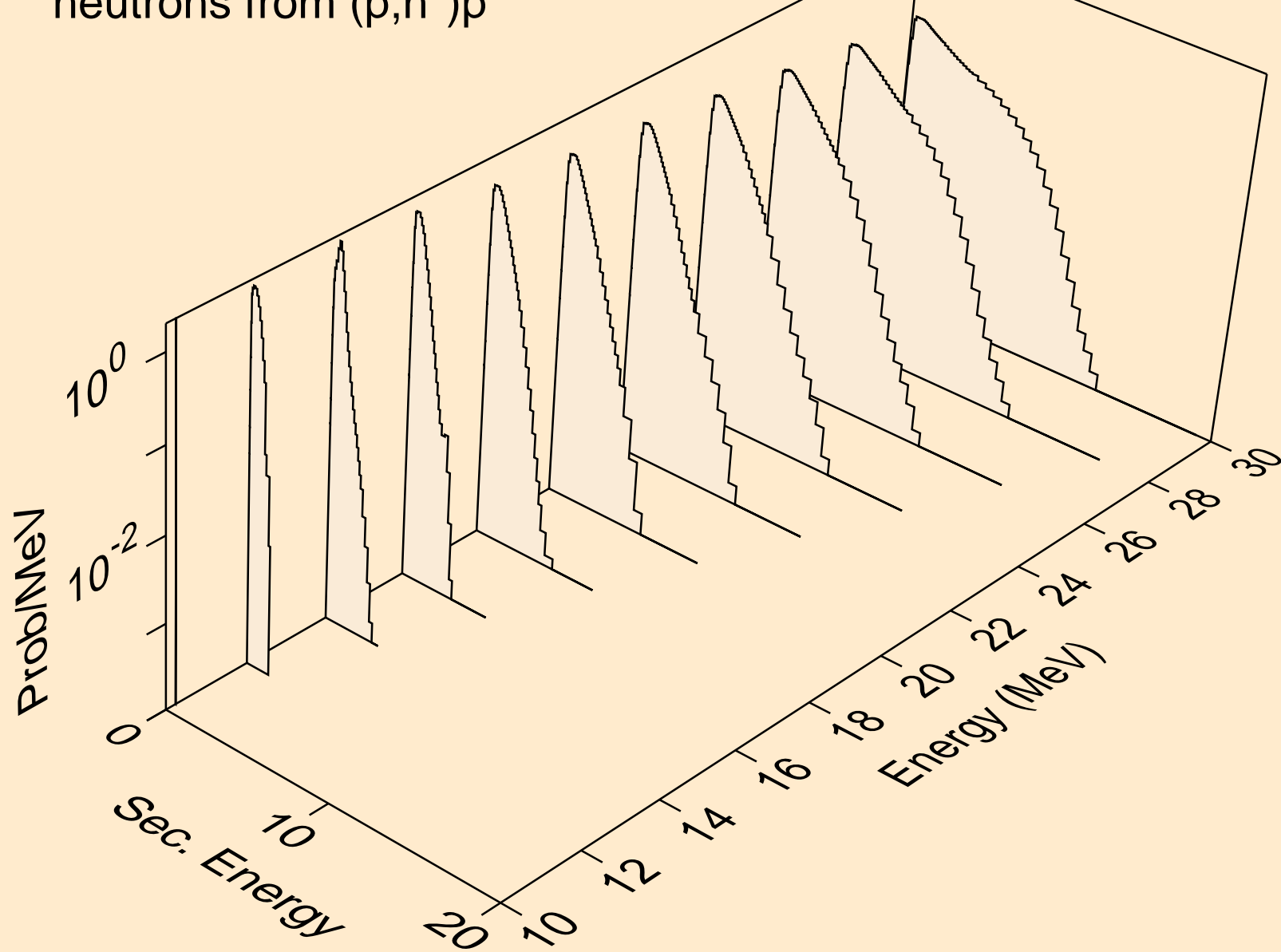
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)a



AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3n)a

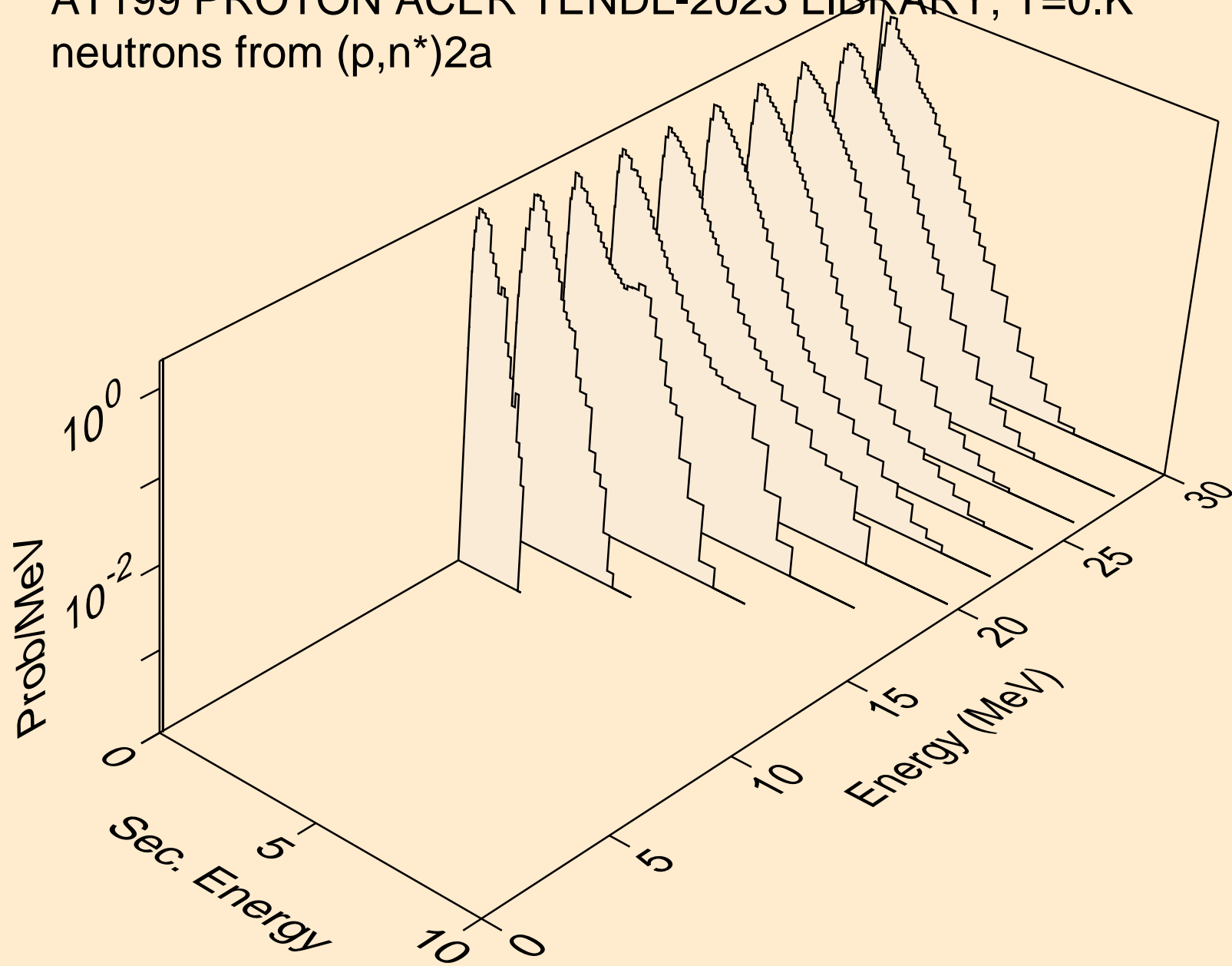


AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)p

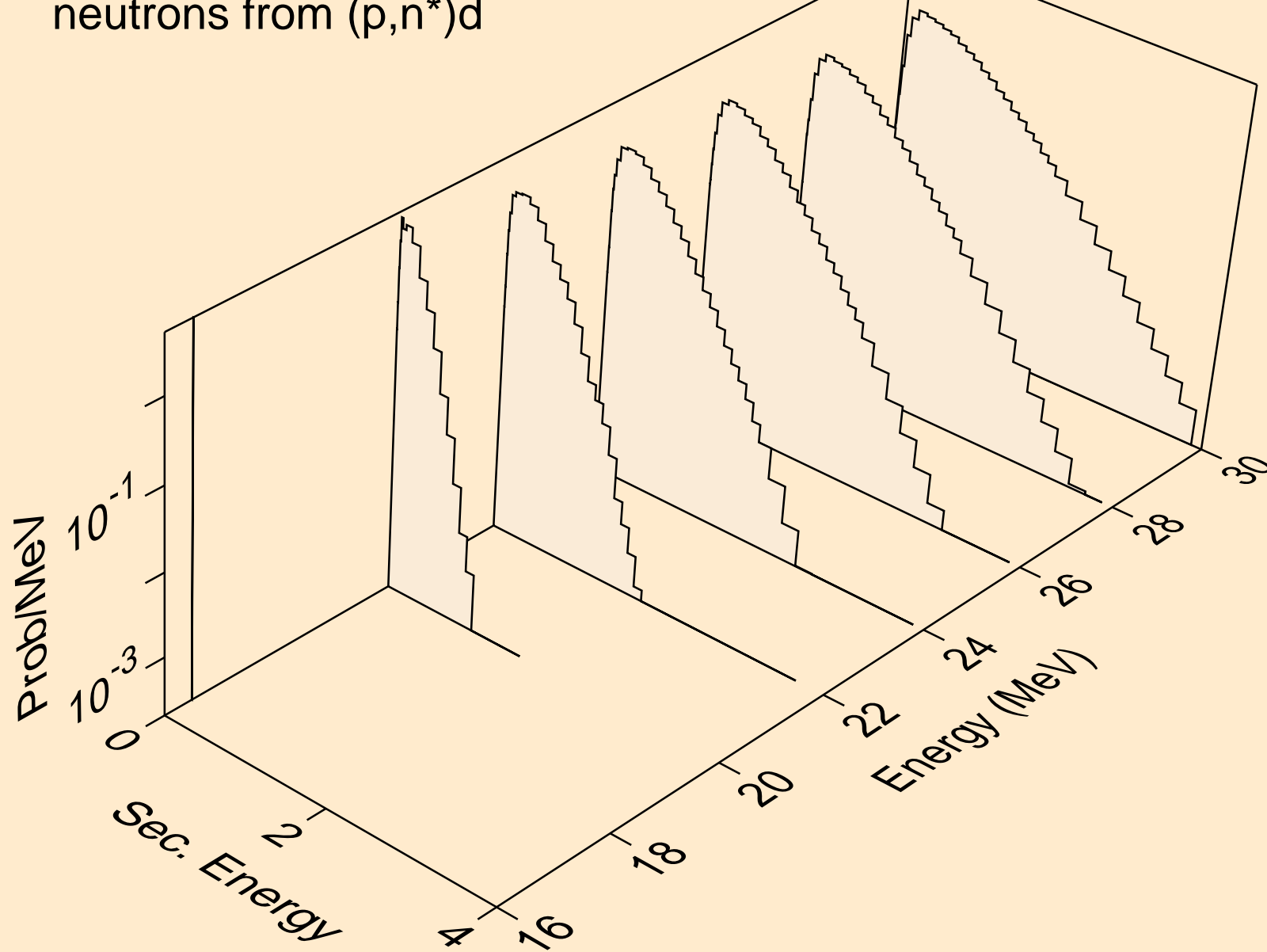




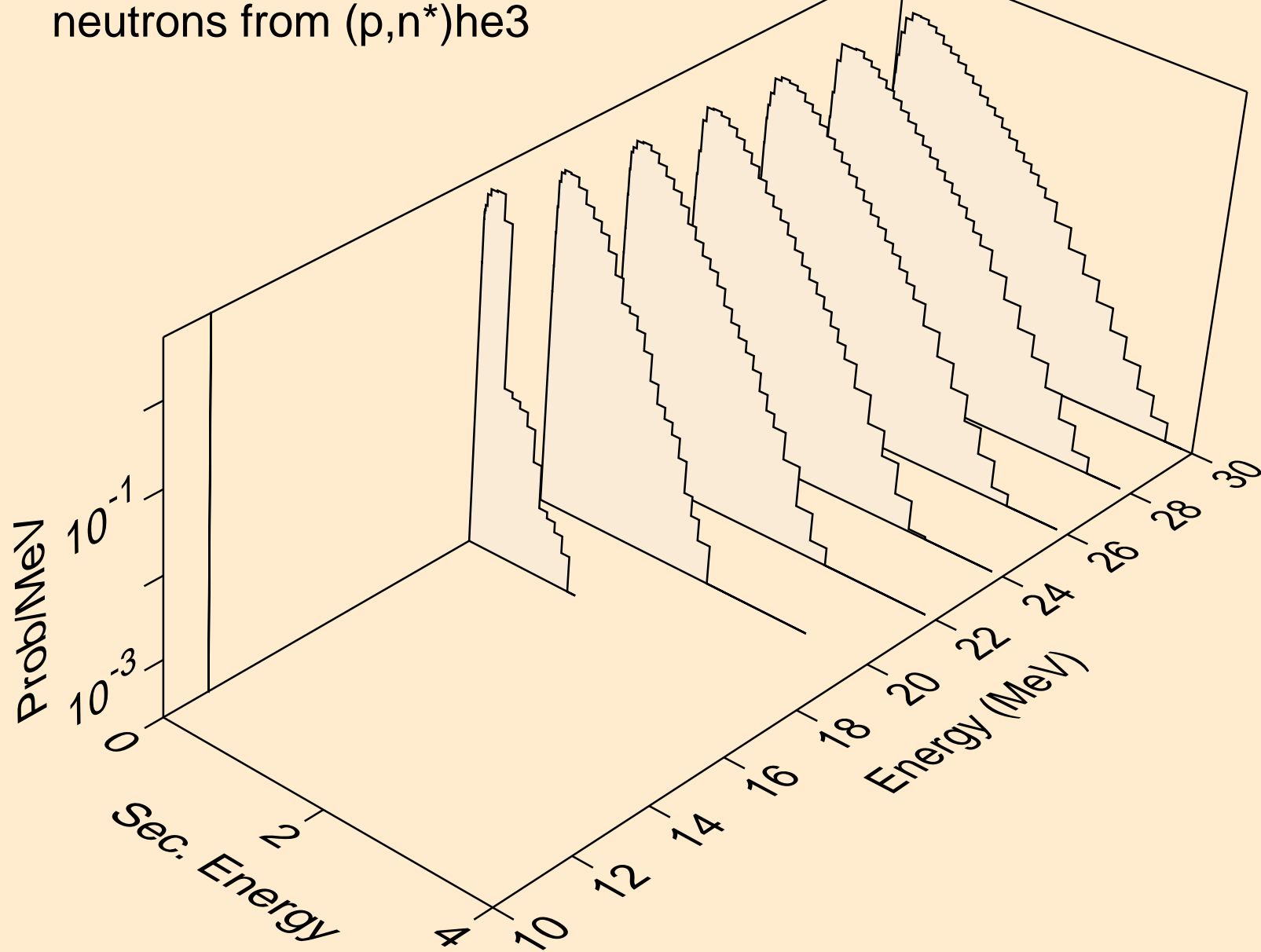
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neutrons from (p,n\*)2a



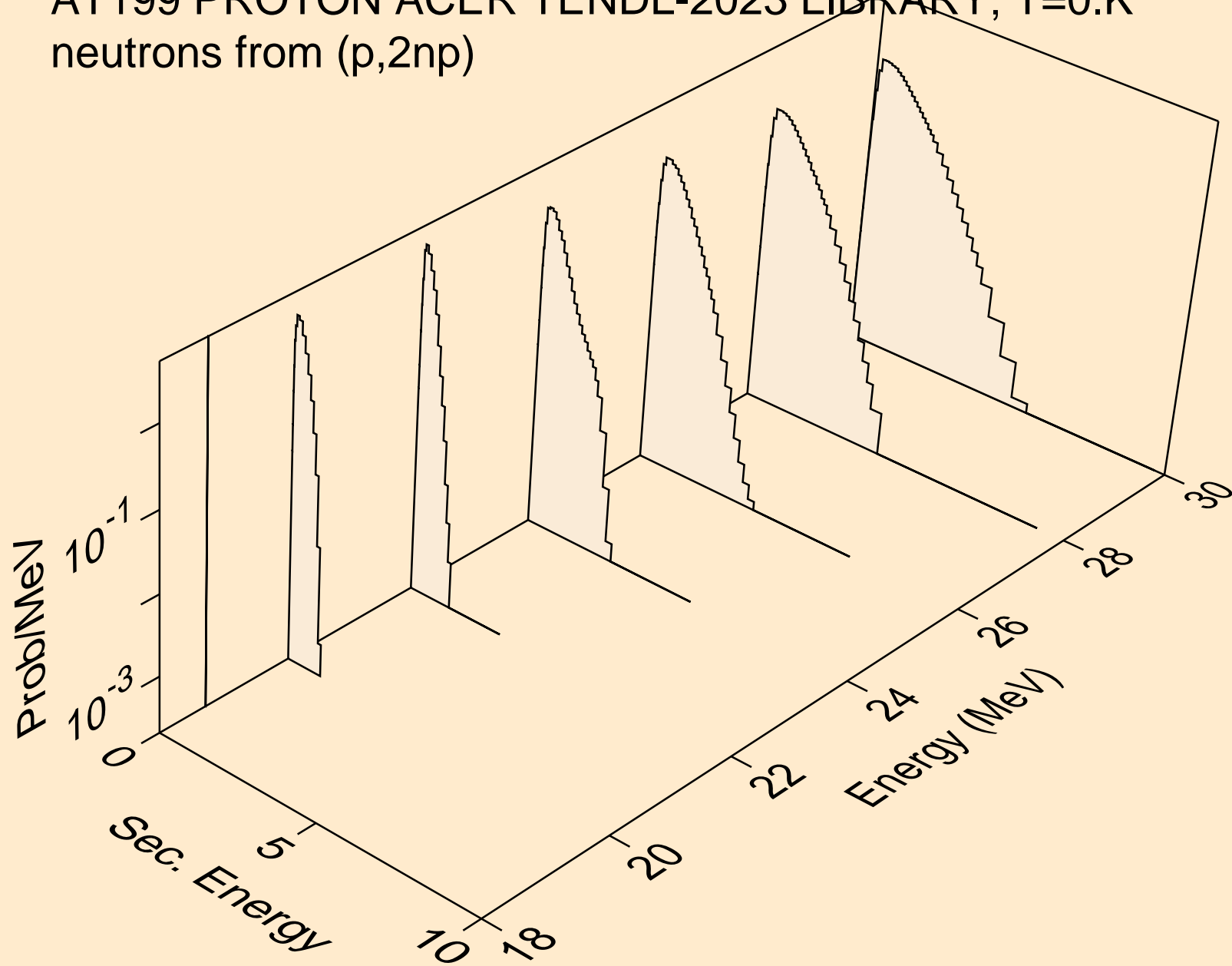
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)d



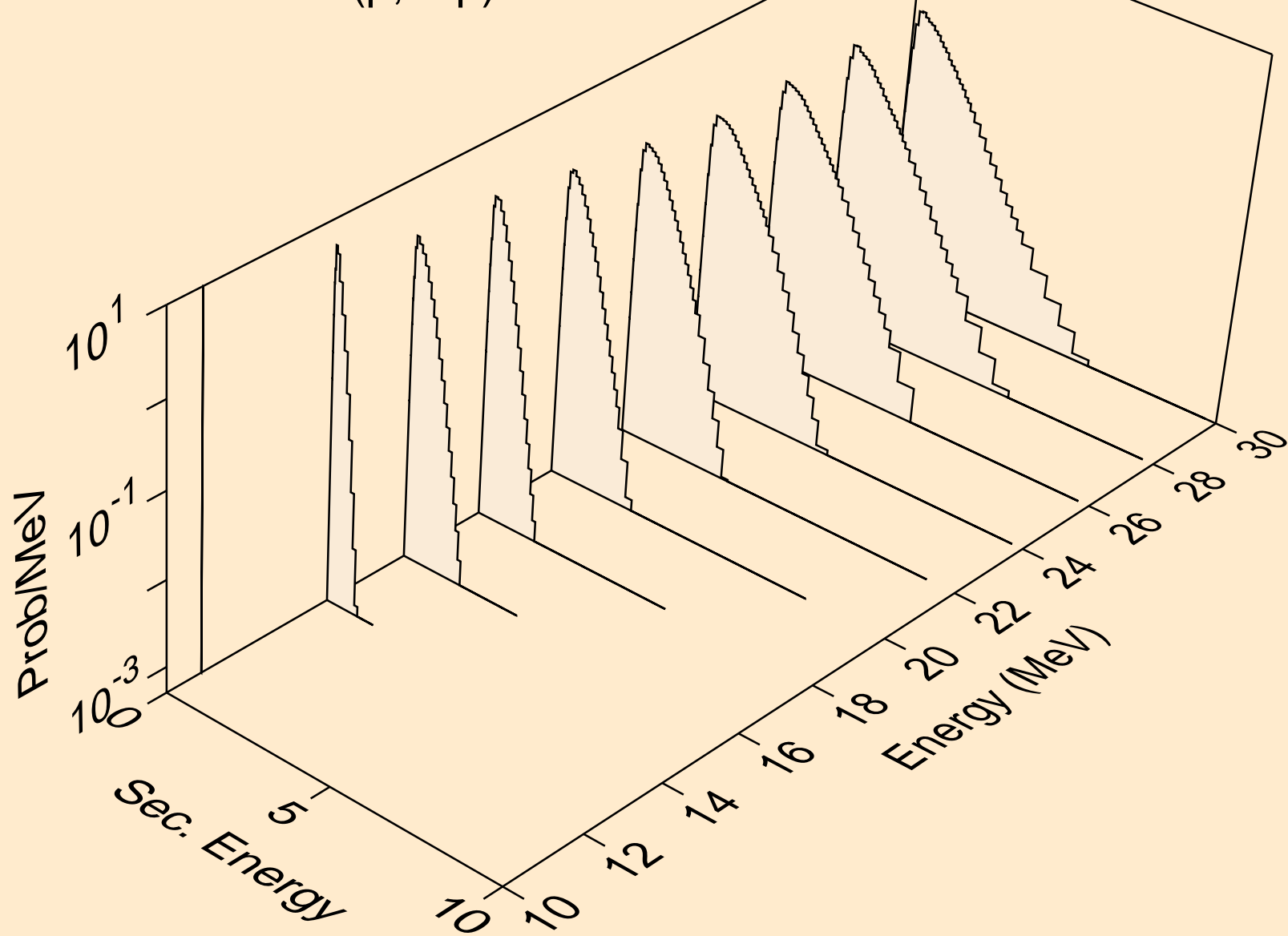
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



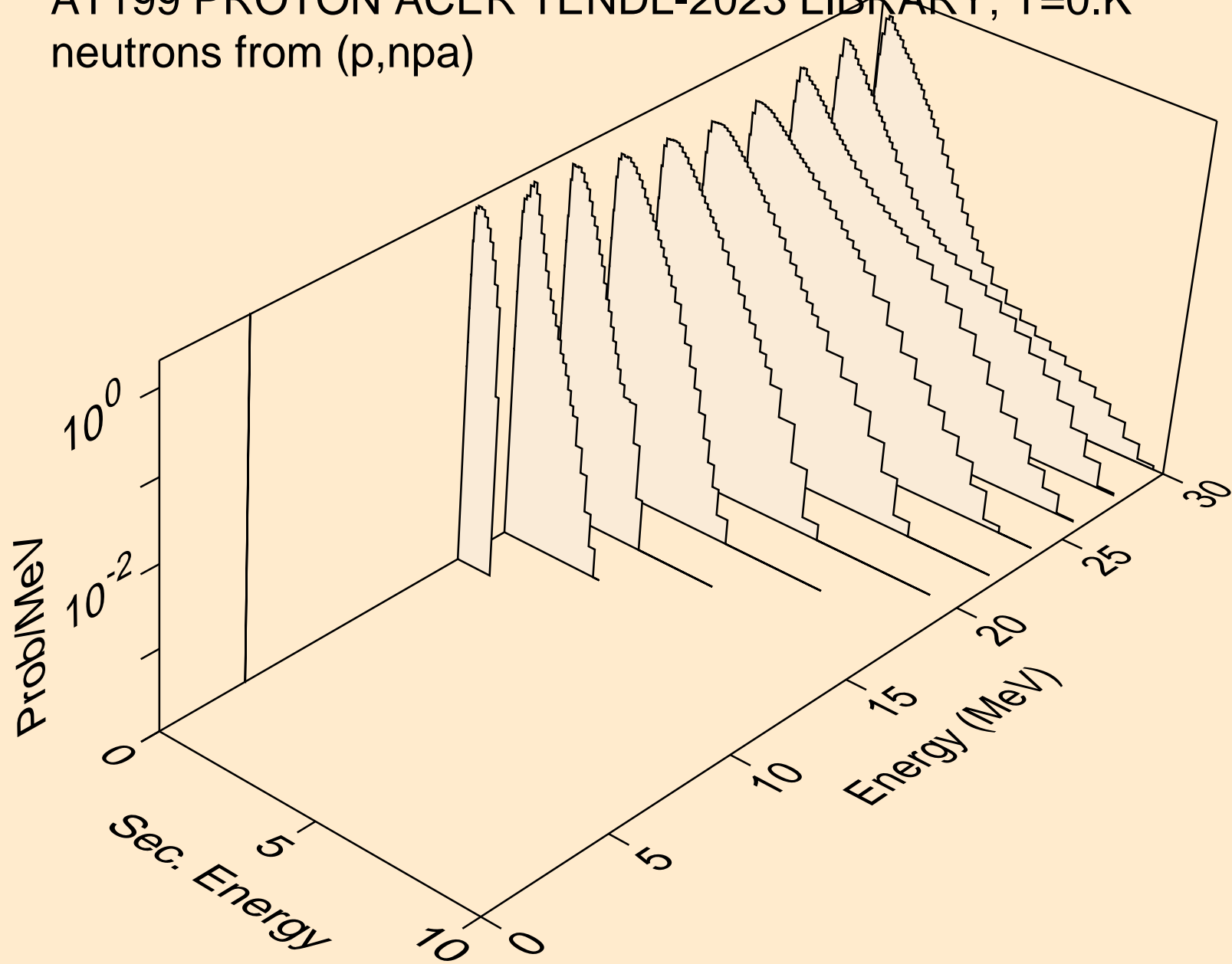
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neutrons from (p,2np)



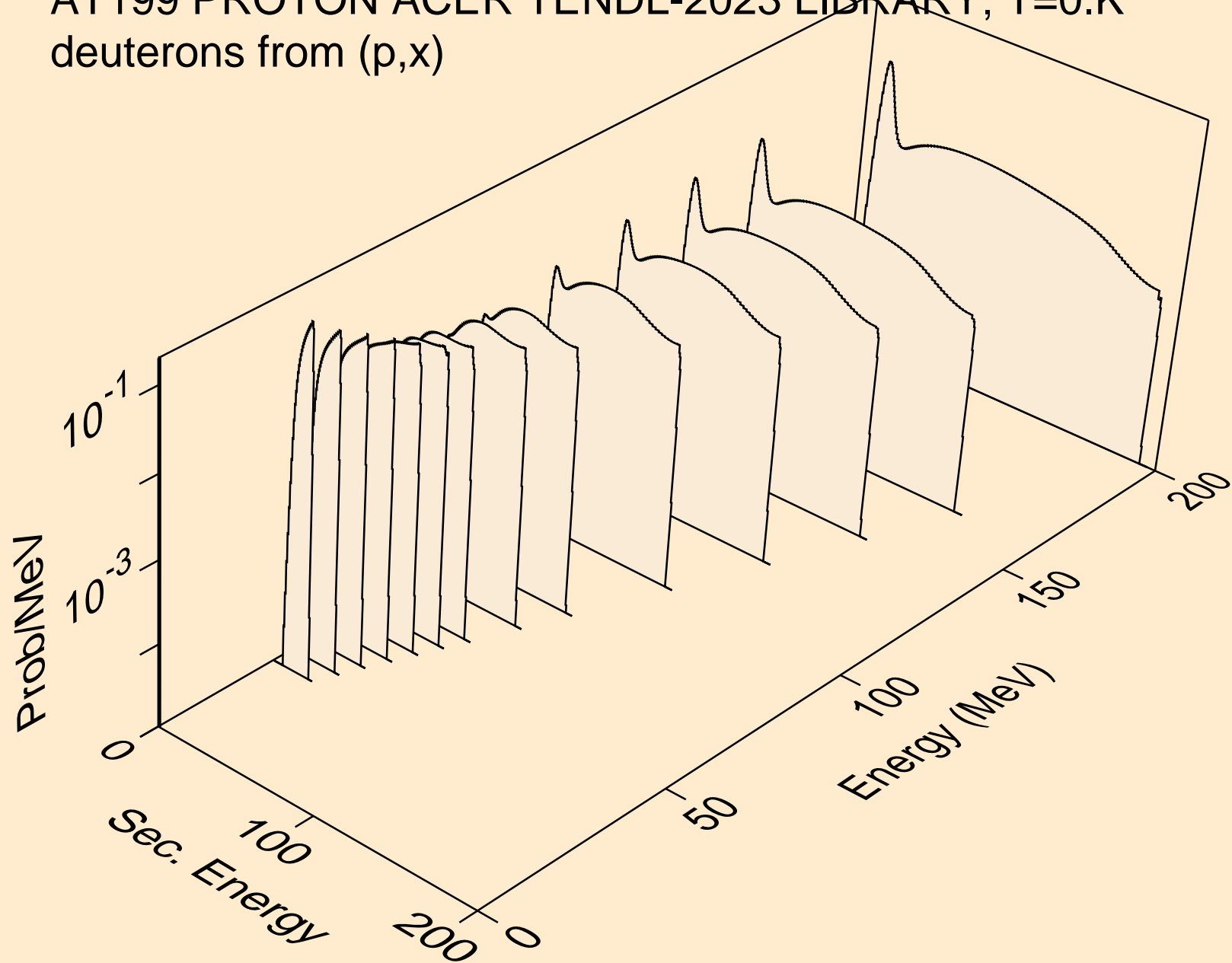
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neutrons from (p,n2p)



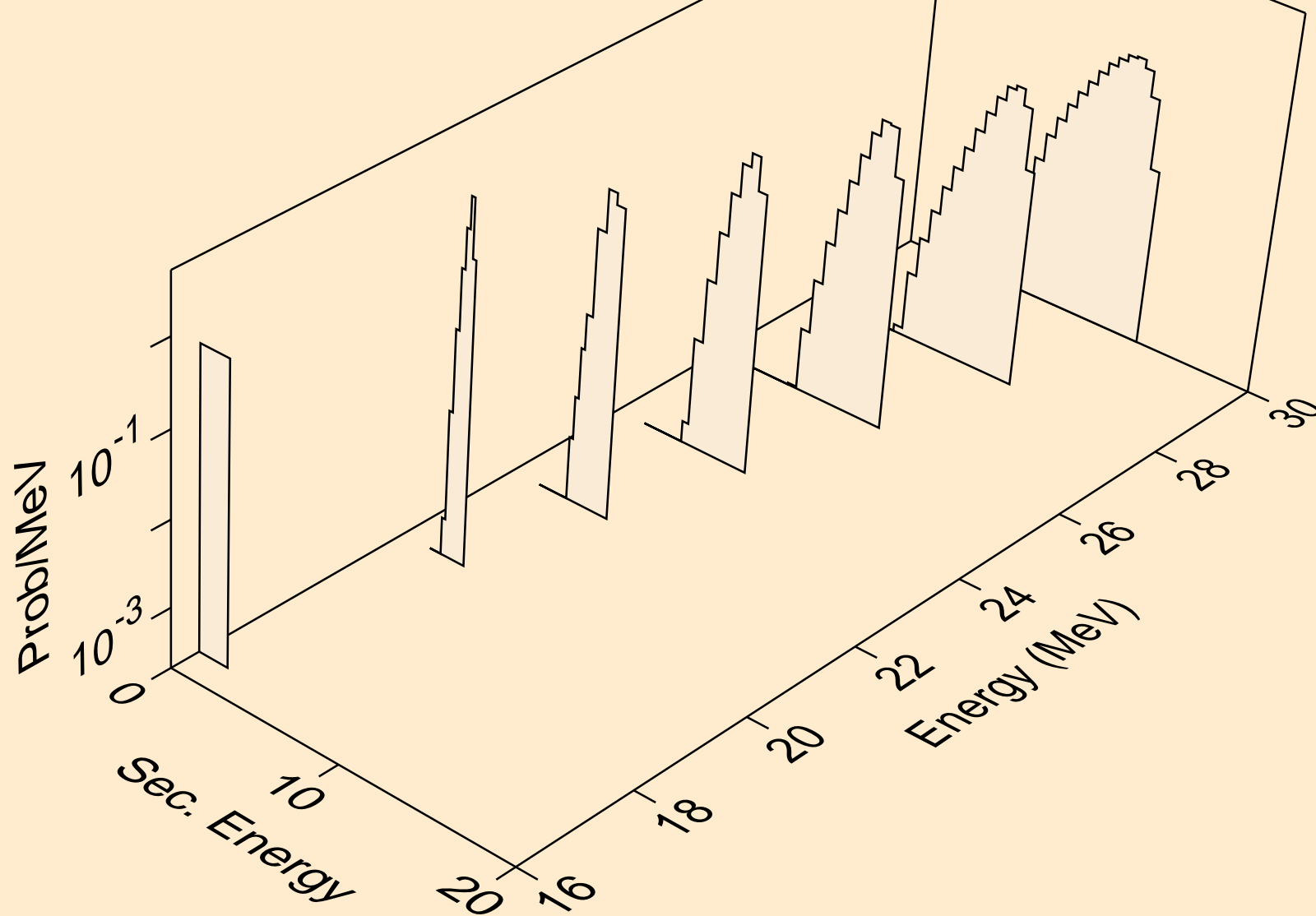
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,npa)



AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,x)

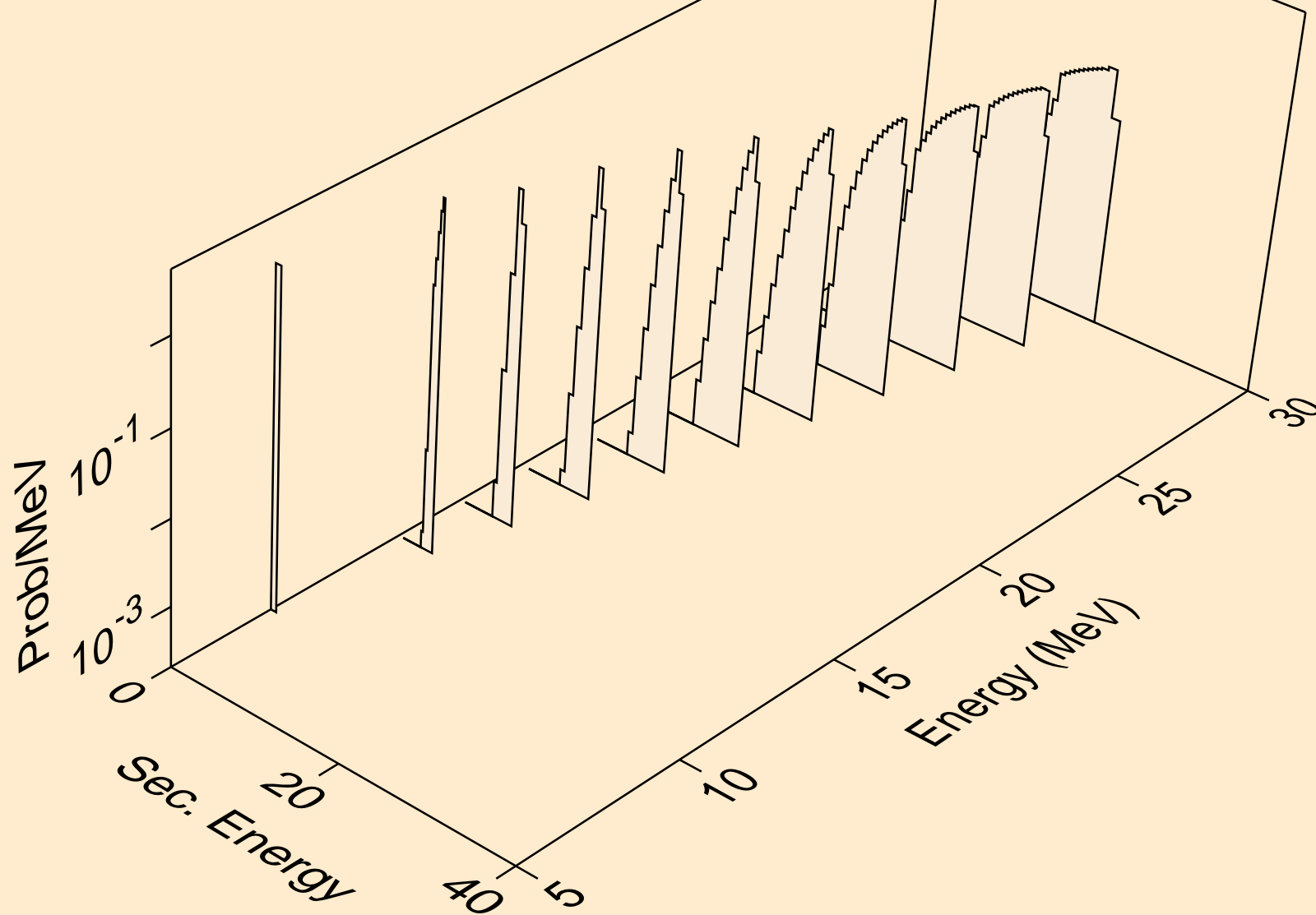


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deuterons from (p,n\*)d

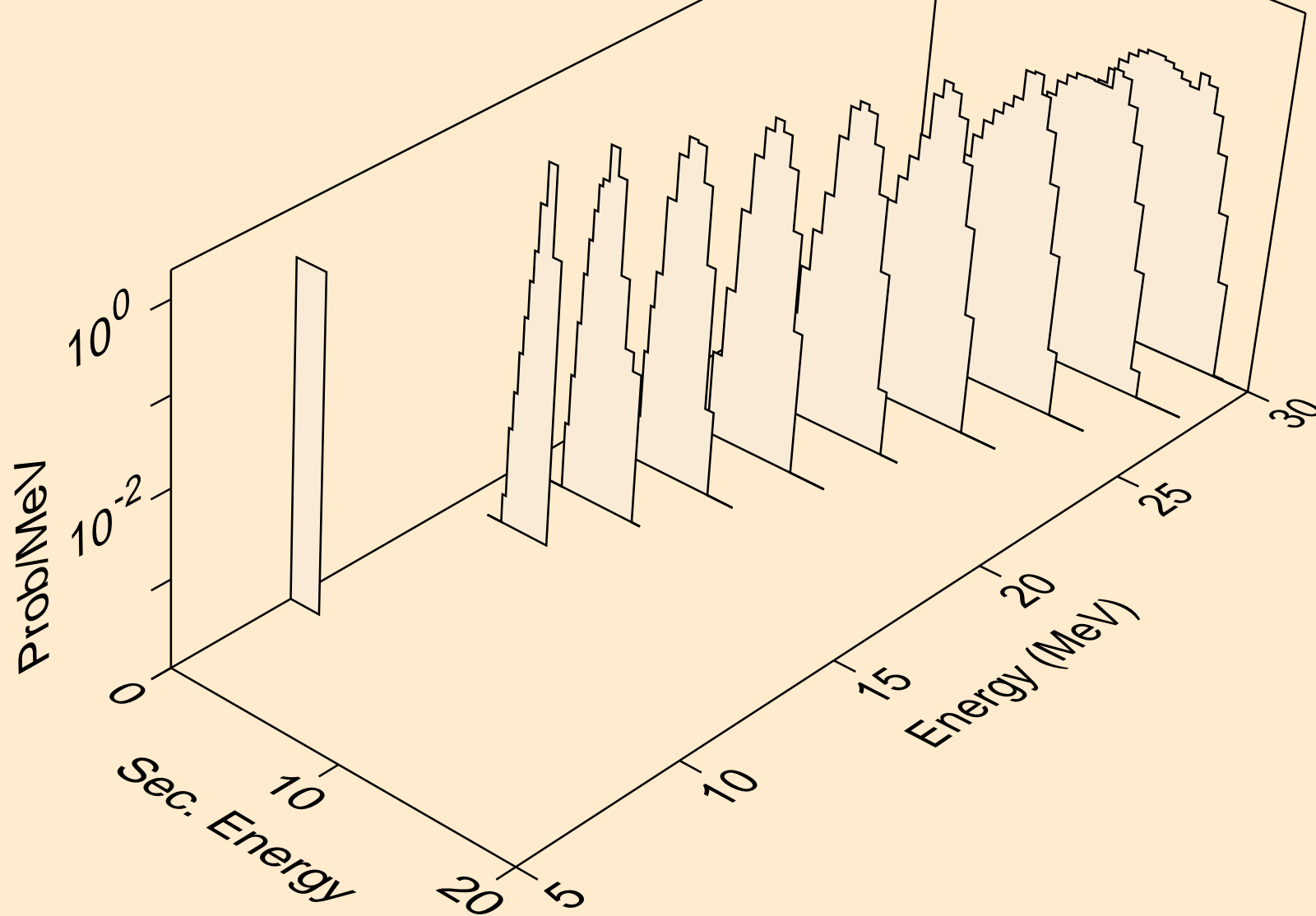




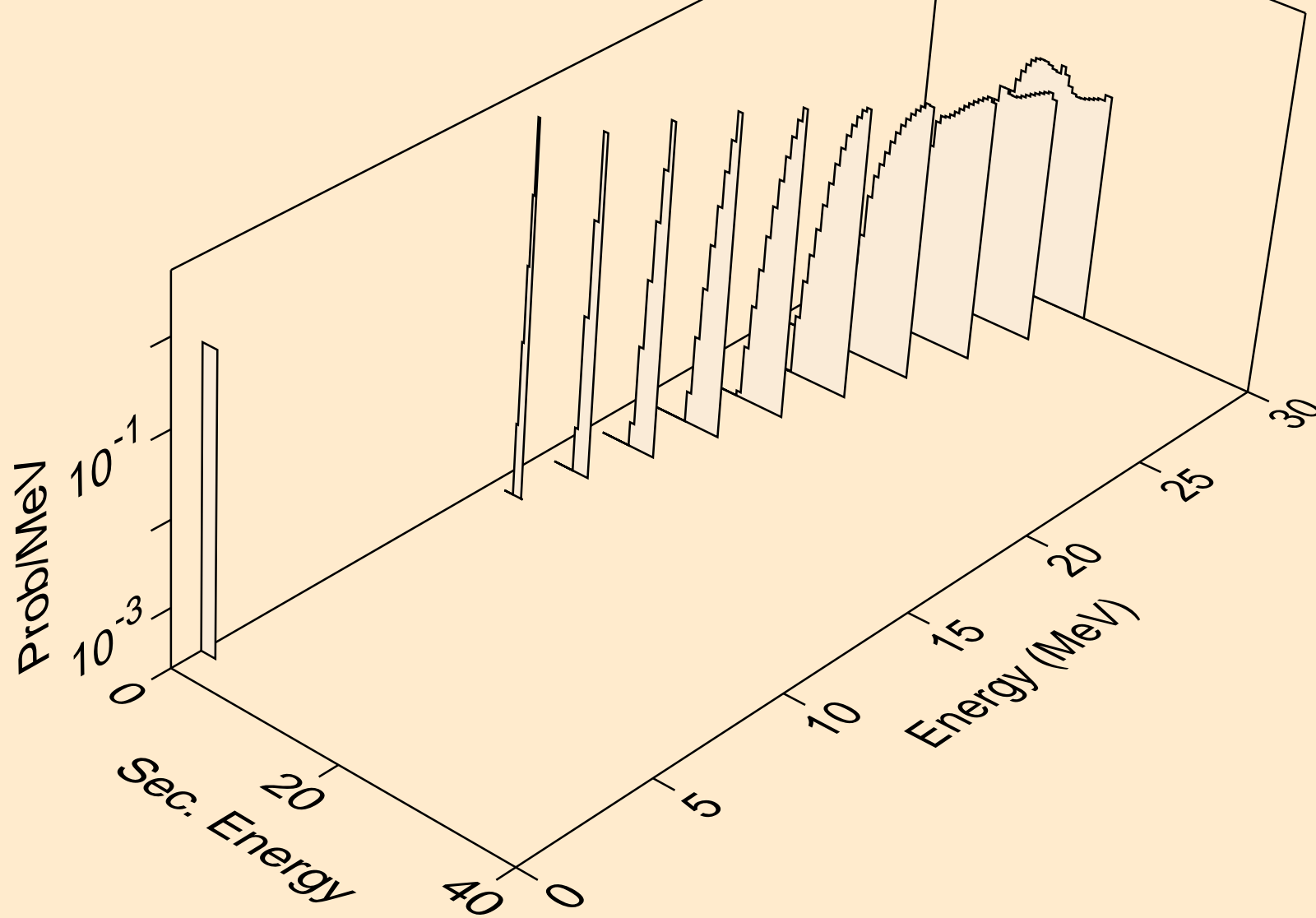
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deuterons from (p,d)



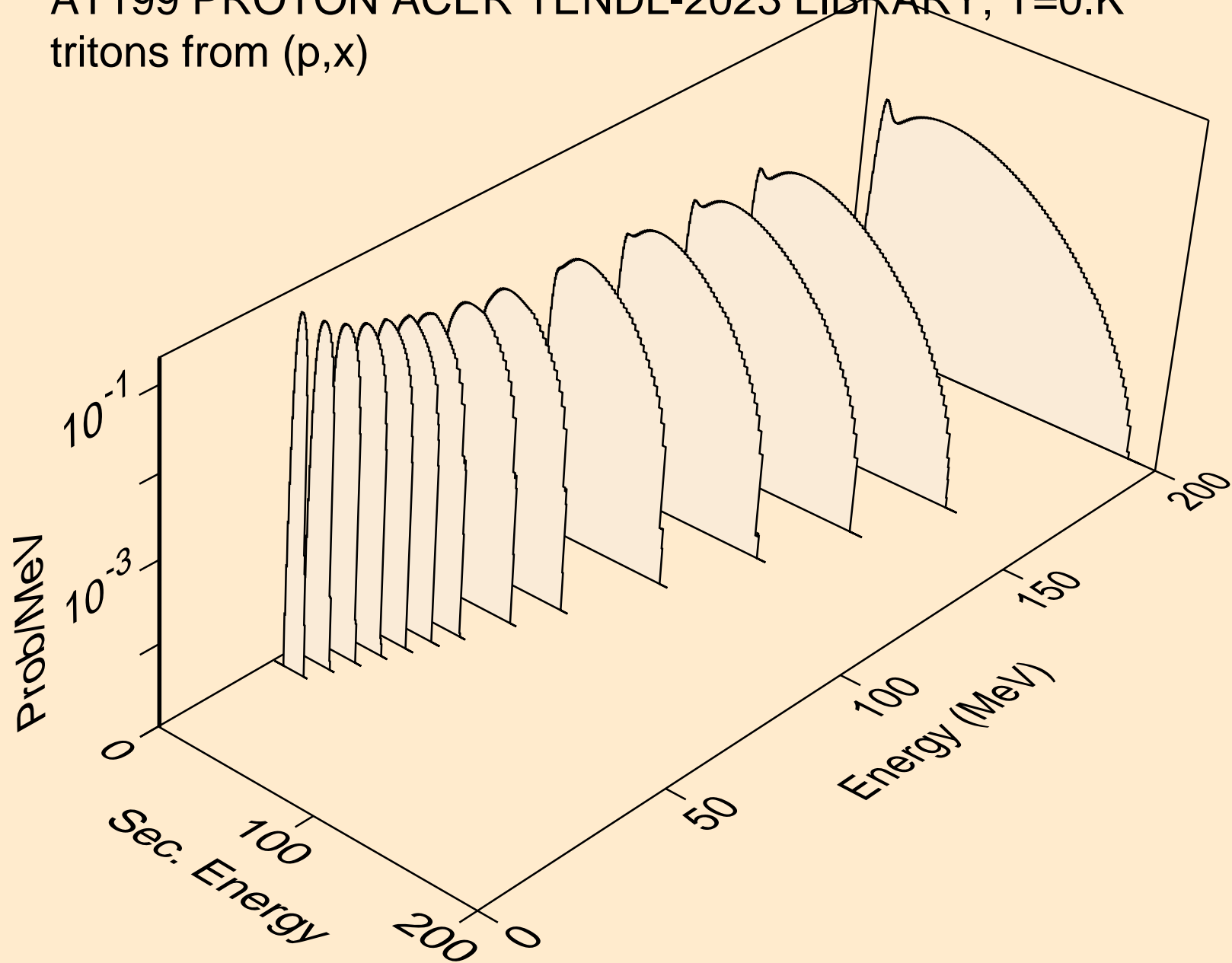
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deuterons from (p,pd)



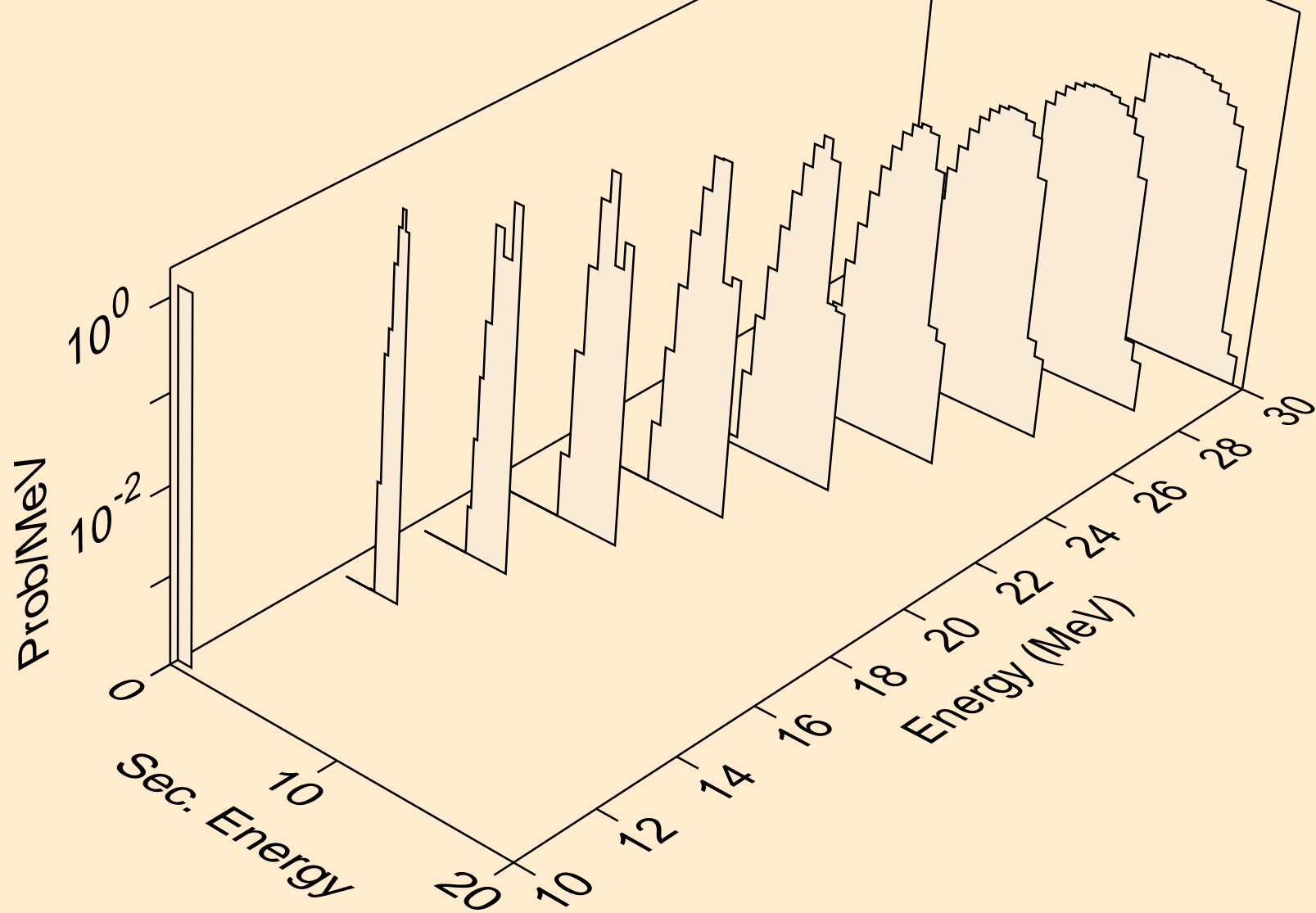
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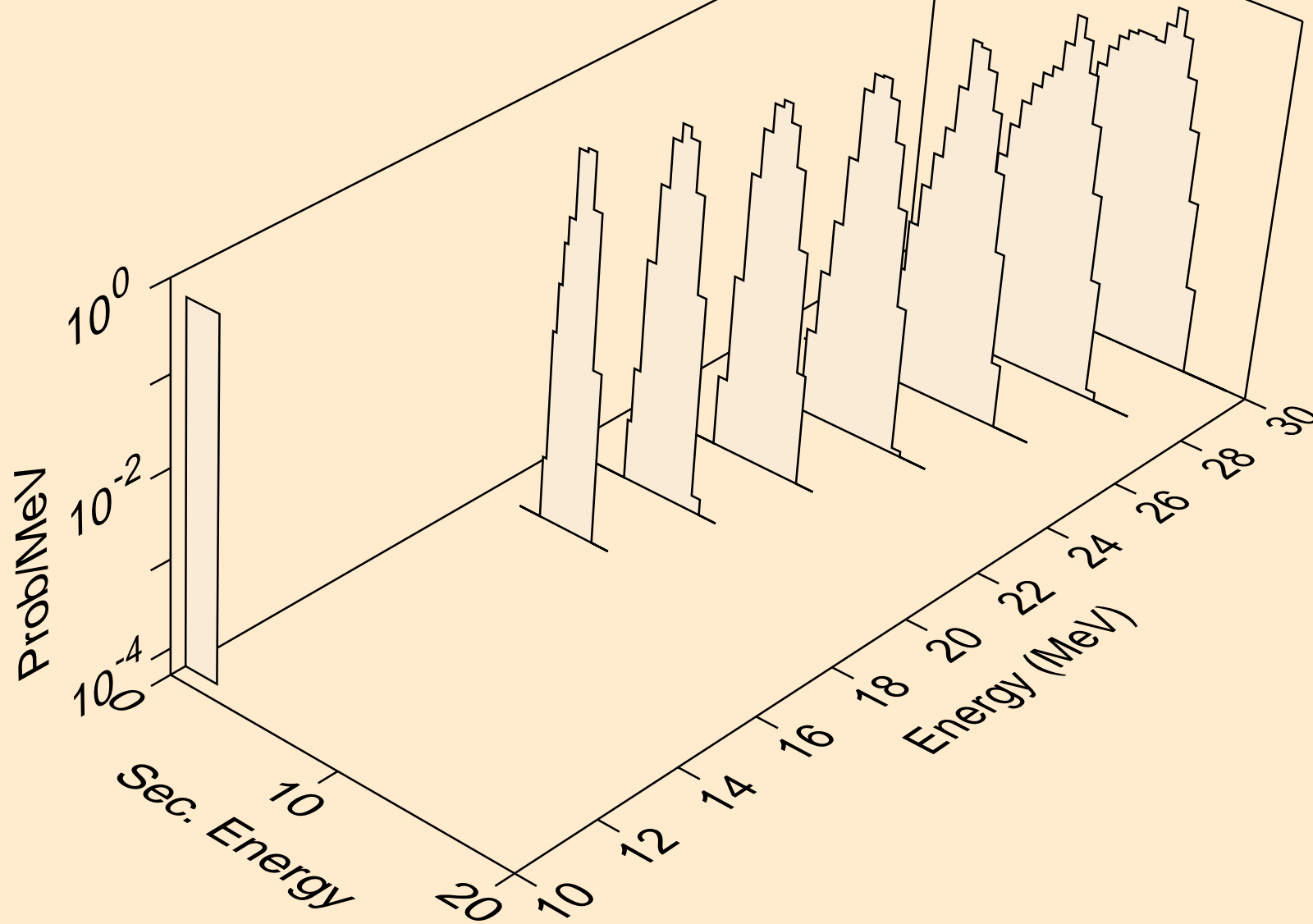
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,x)



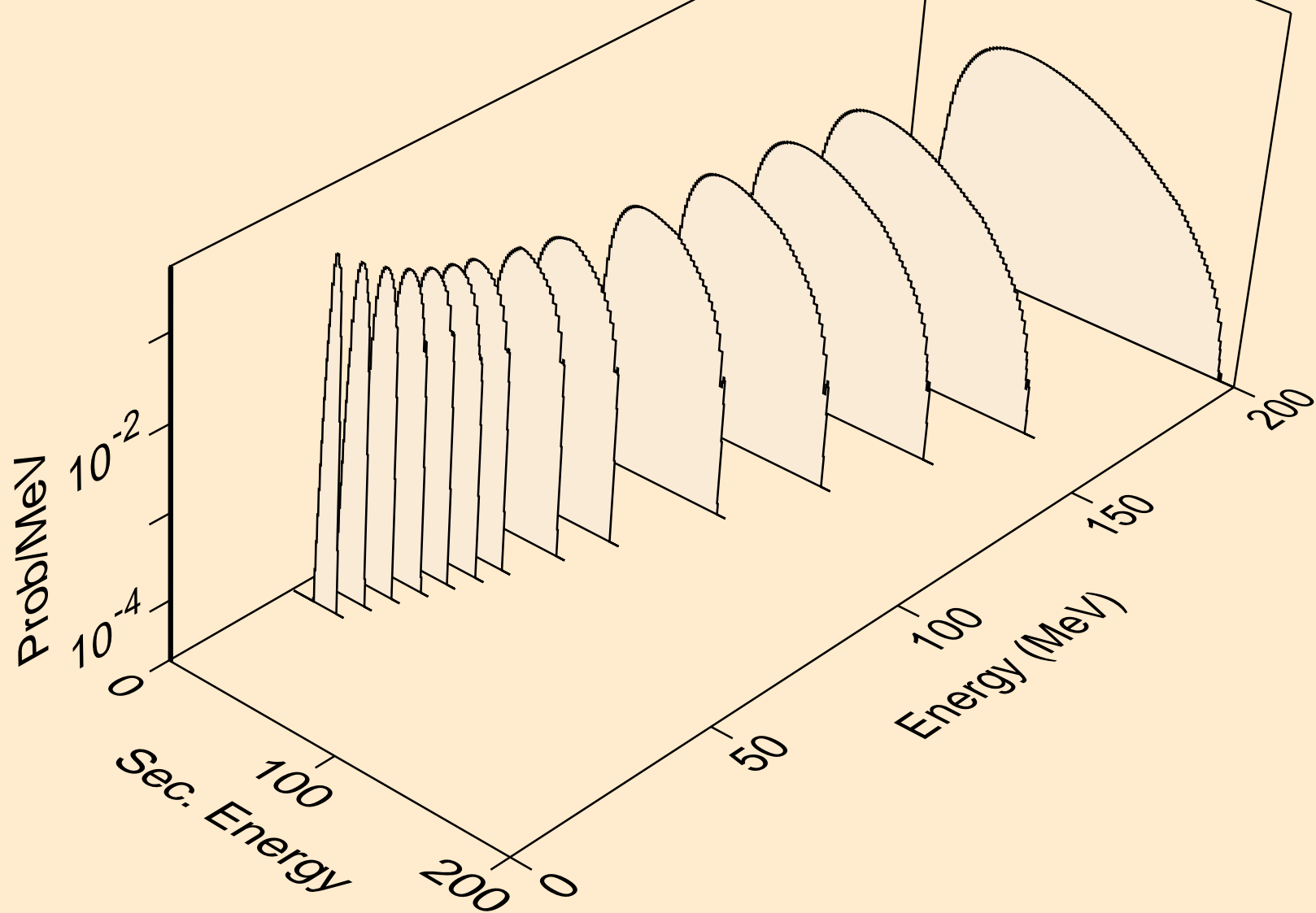
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,t)



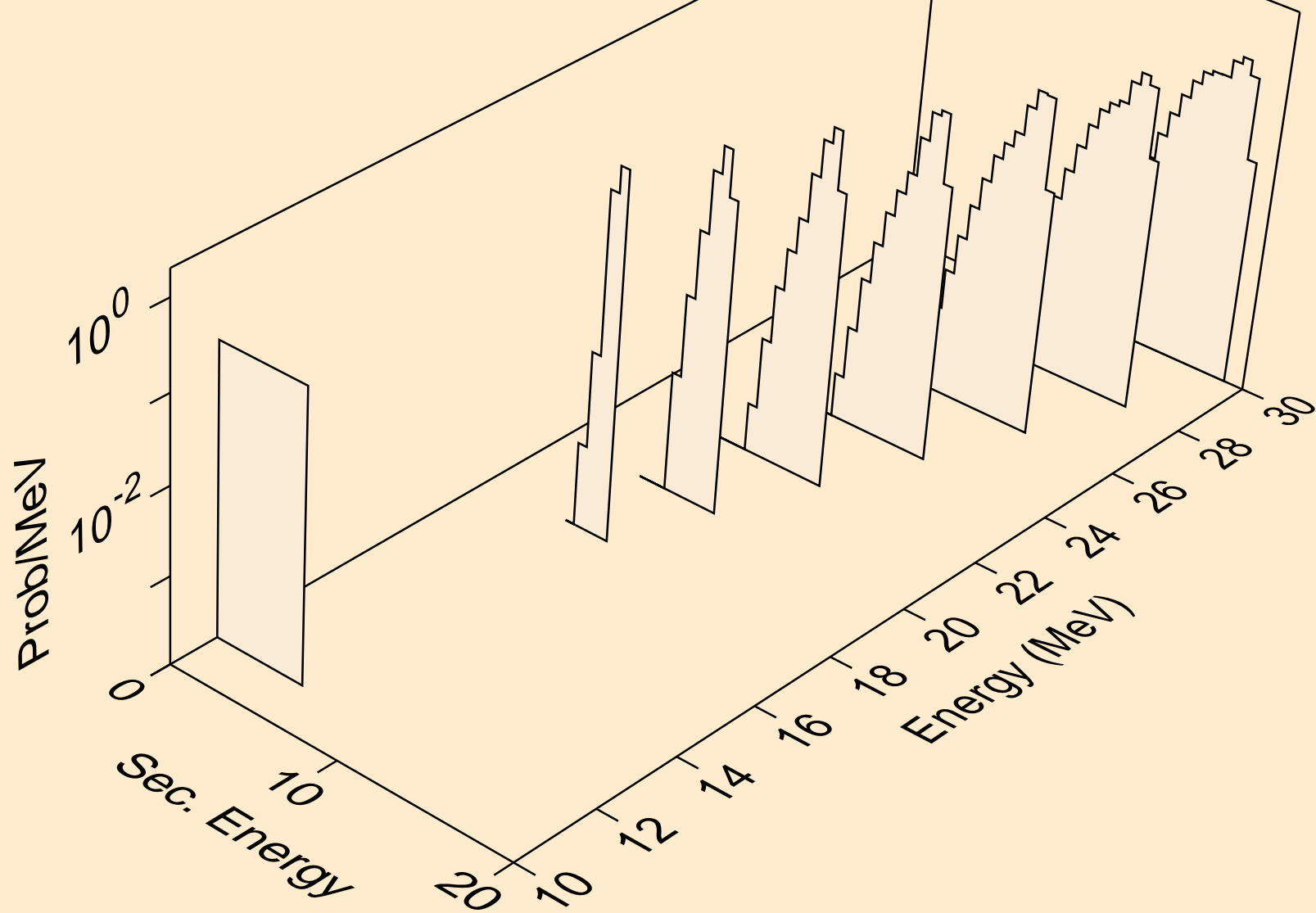
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,pt)



AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,x)

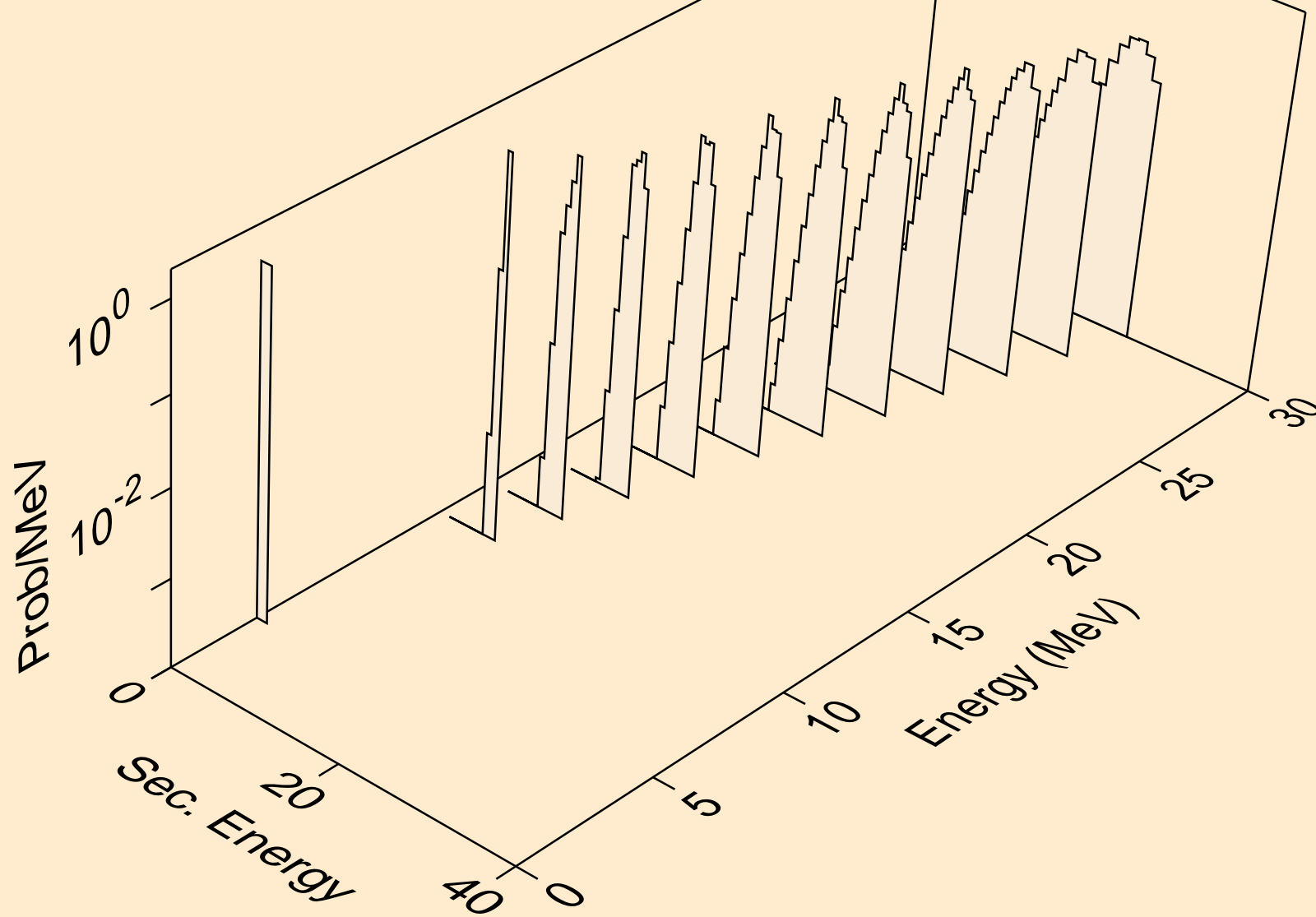


AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,n\*)he3

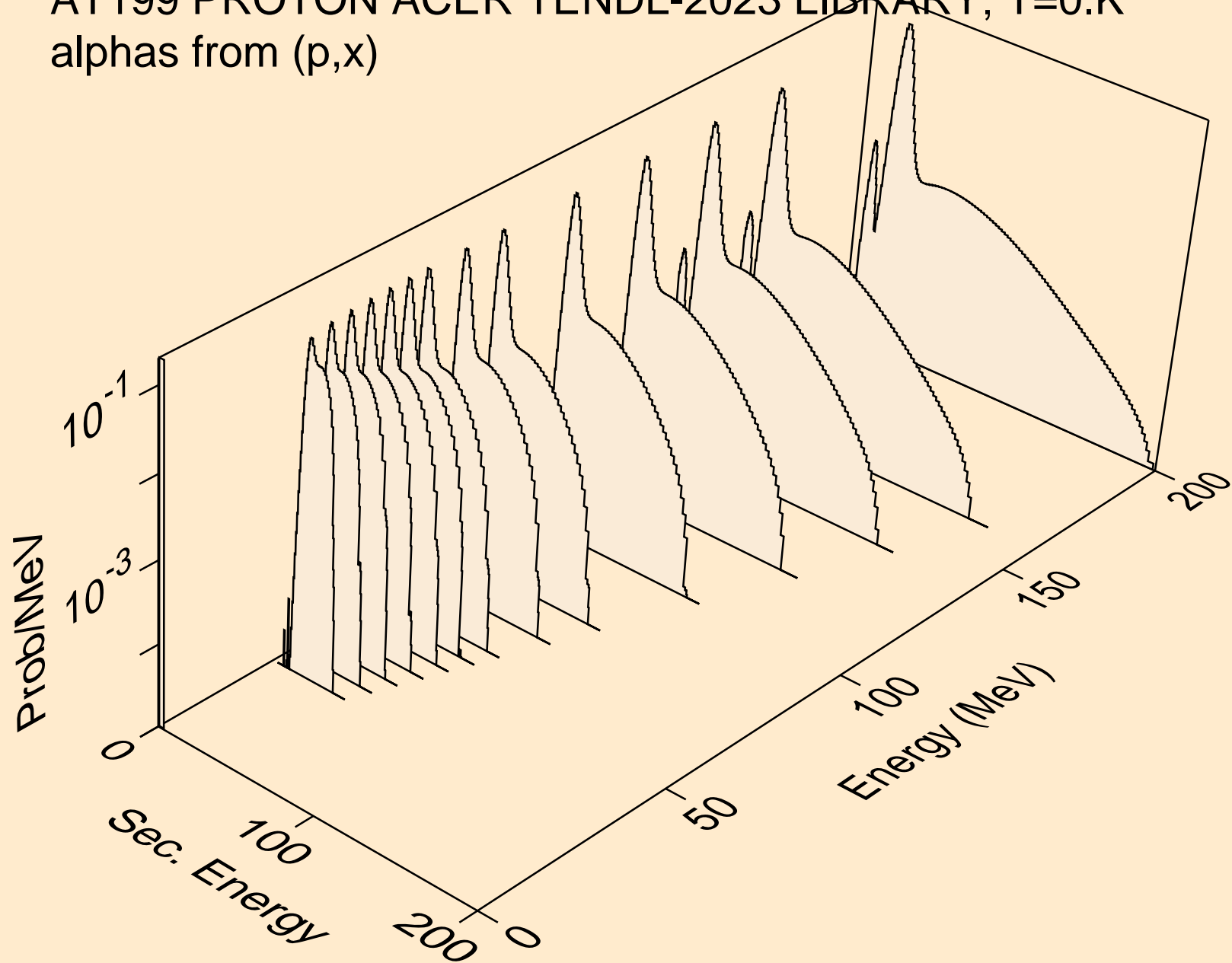




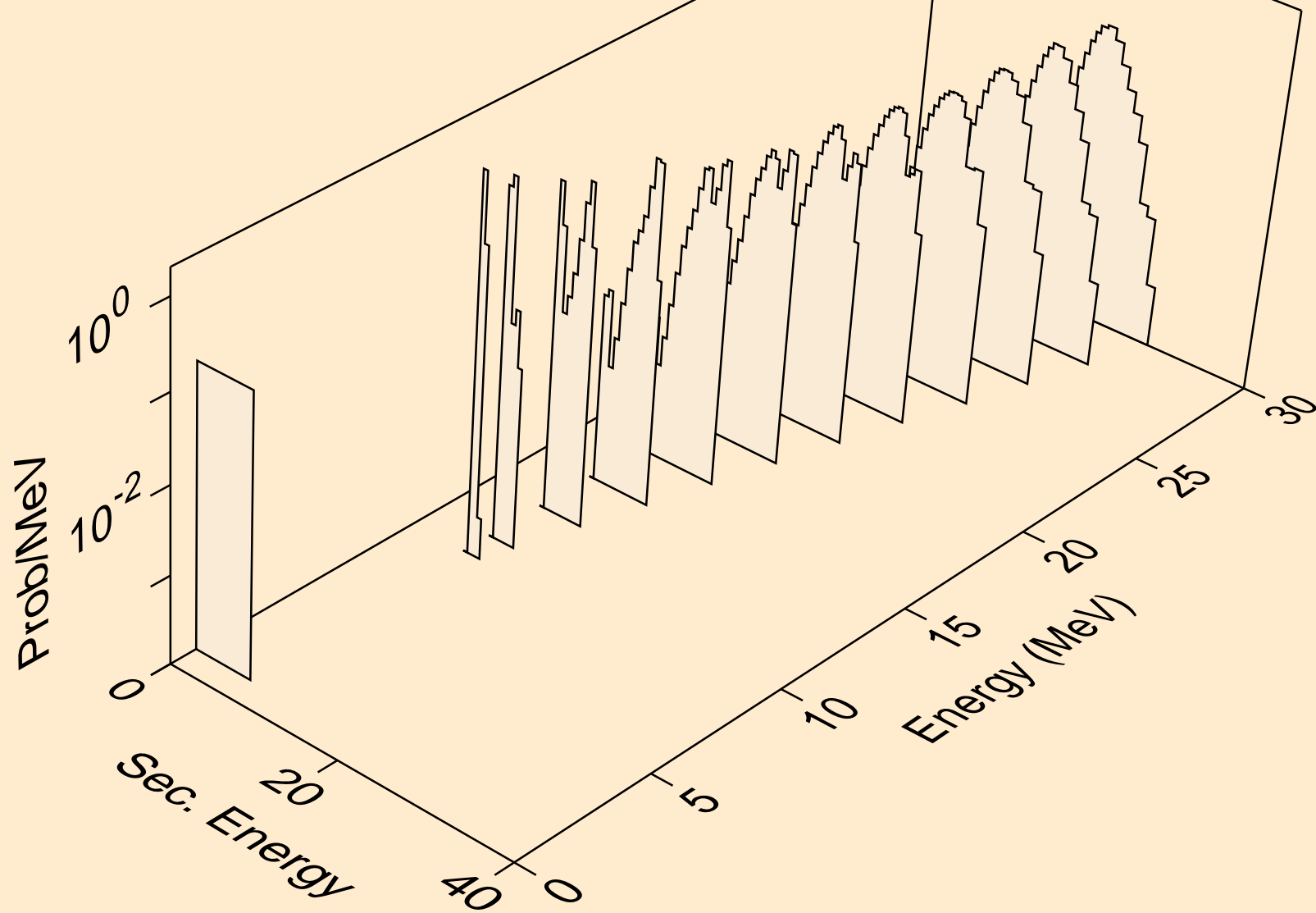
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,he3)



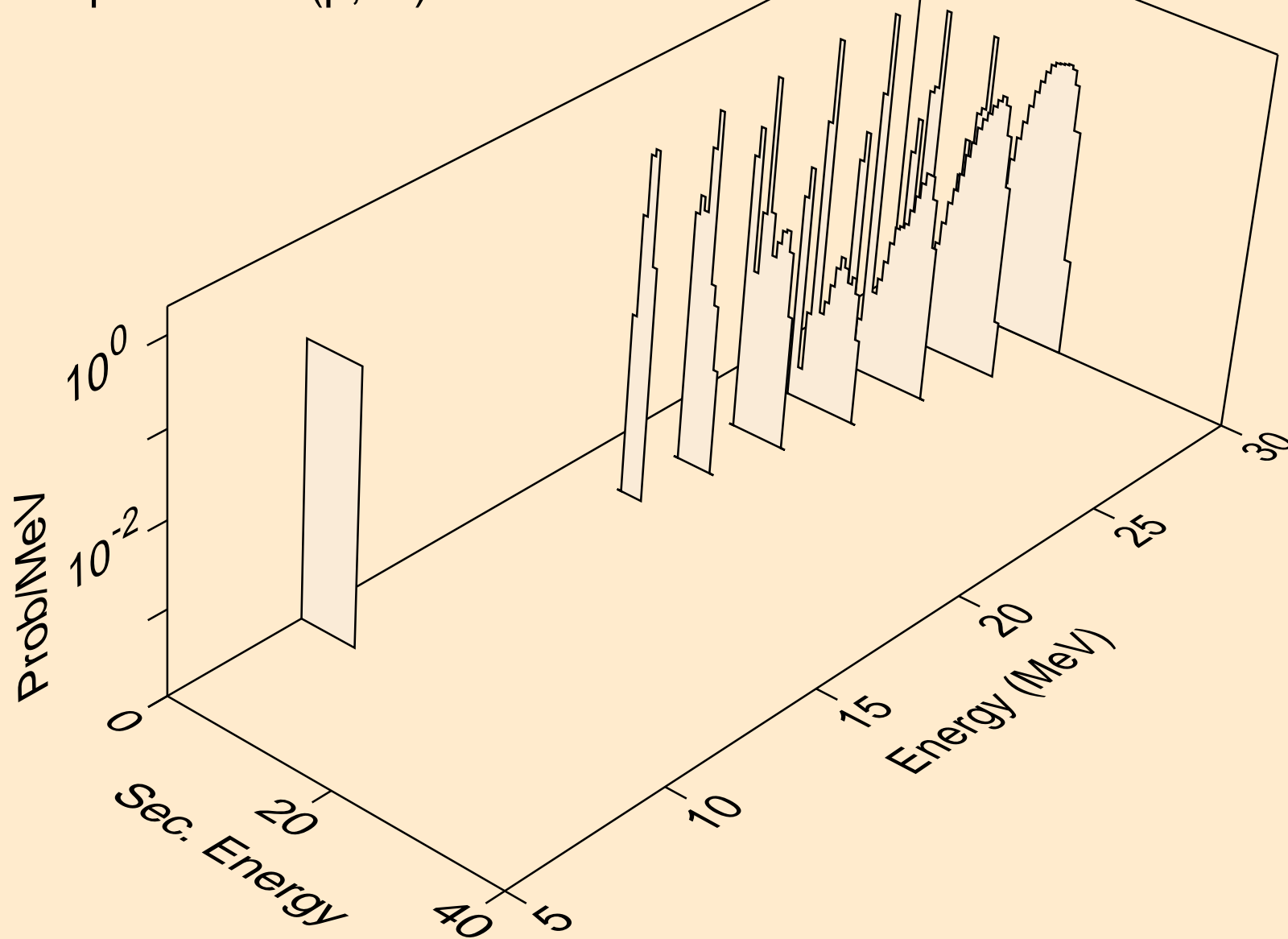
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)



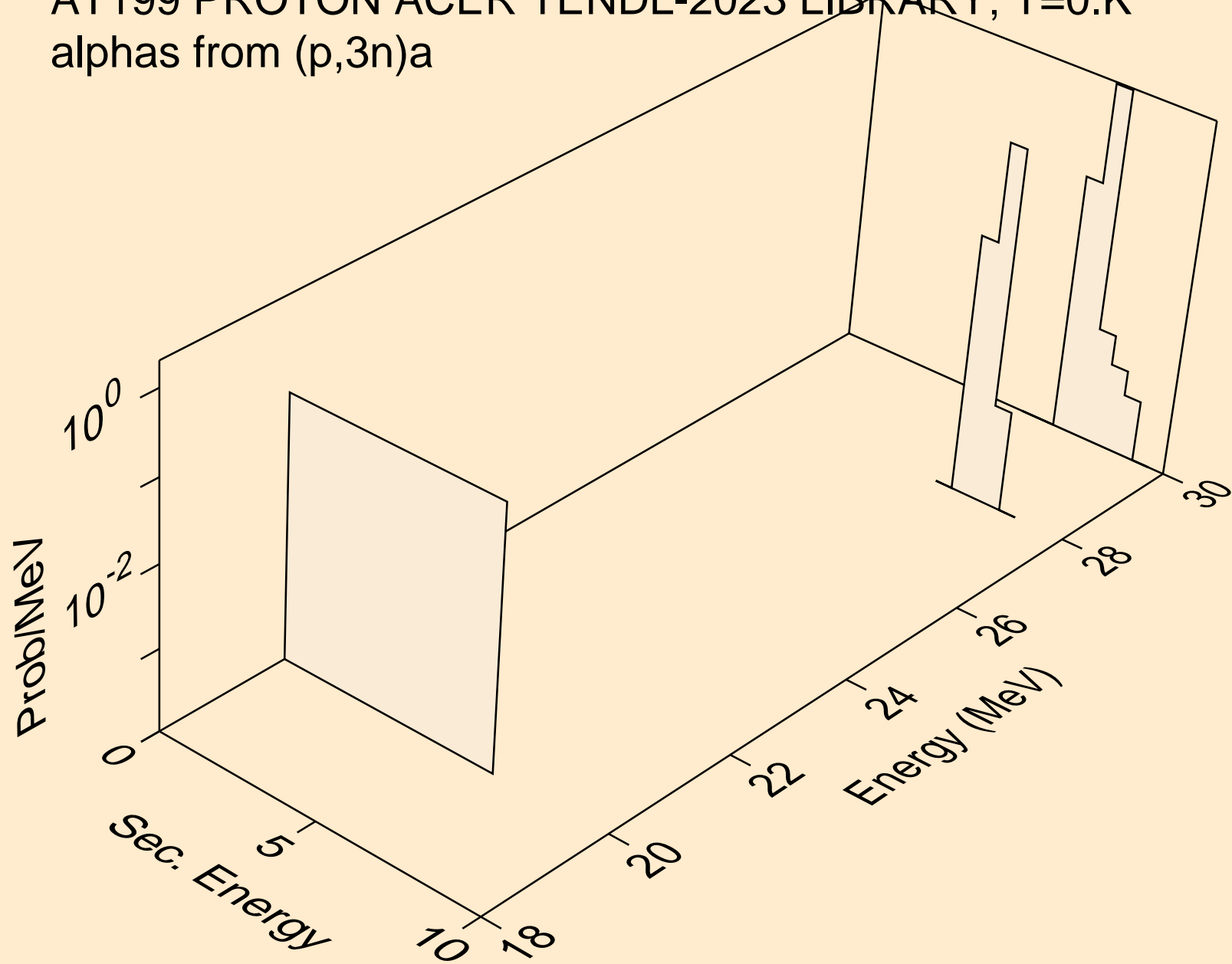
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a



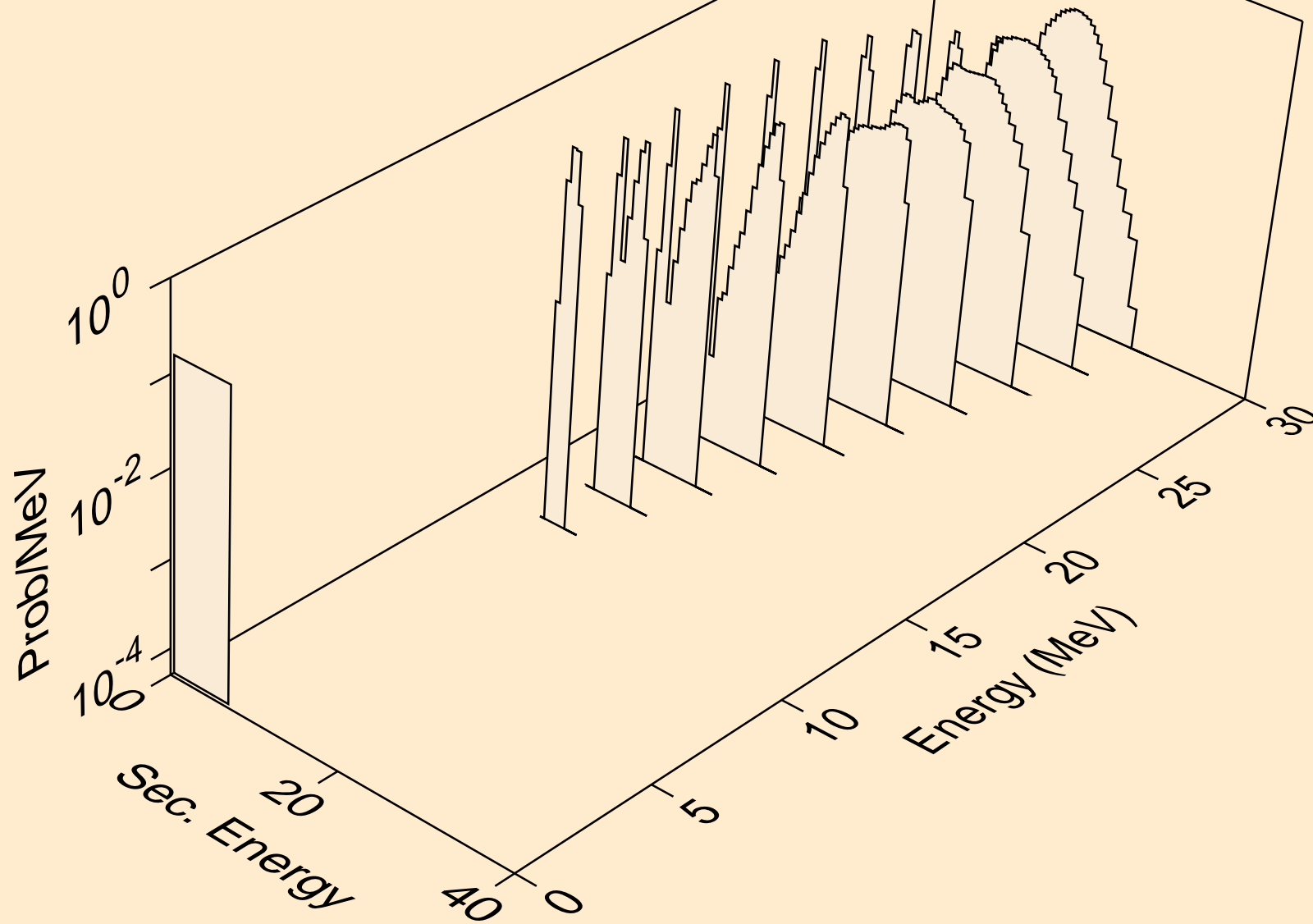
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)a



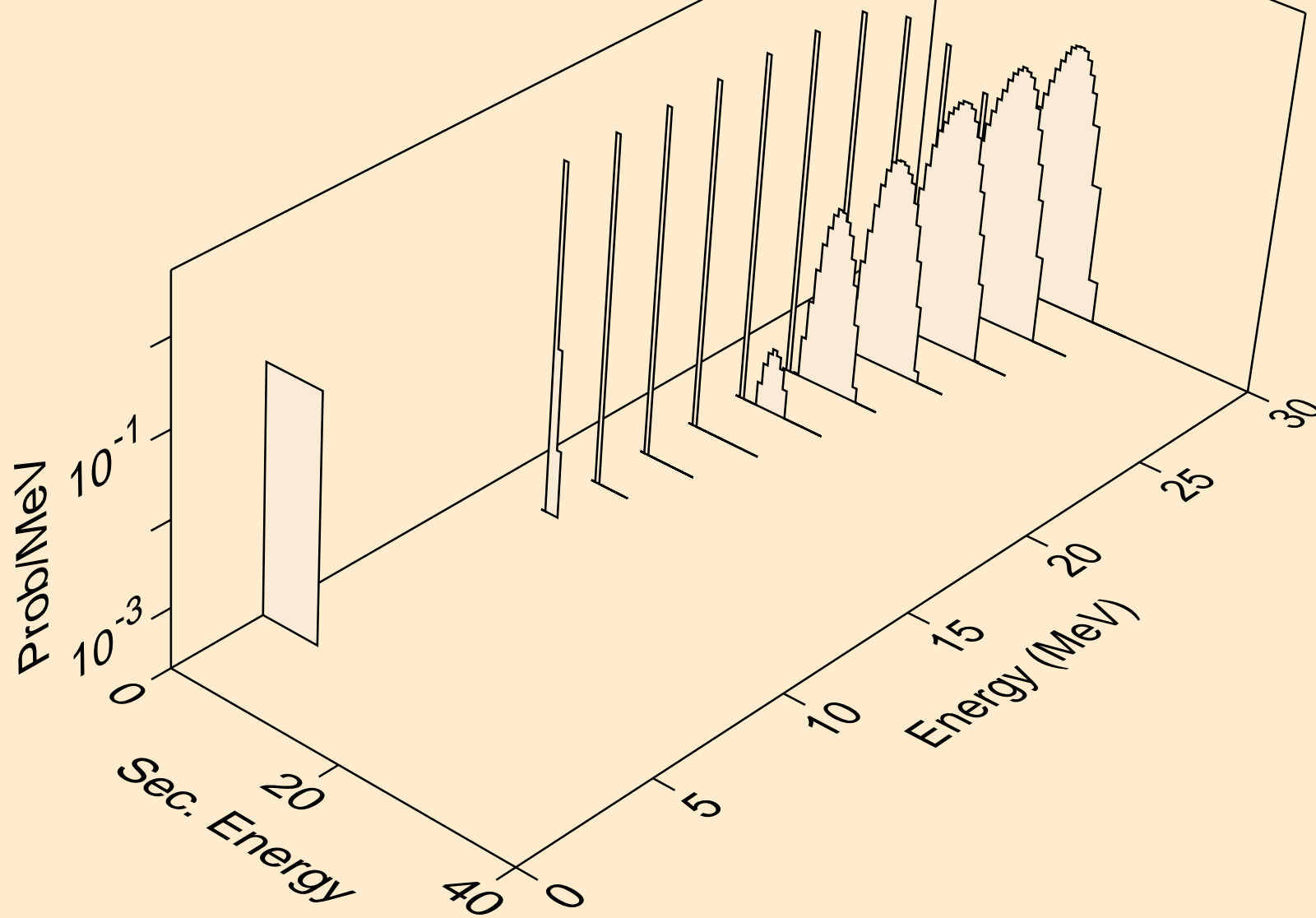
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,3n)a



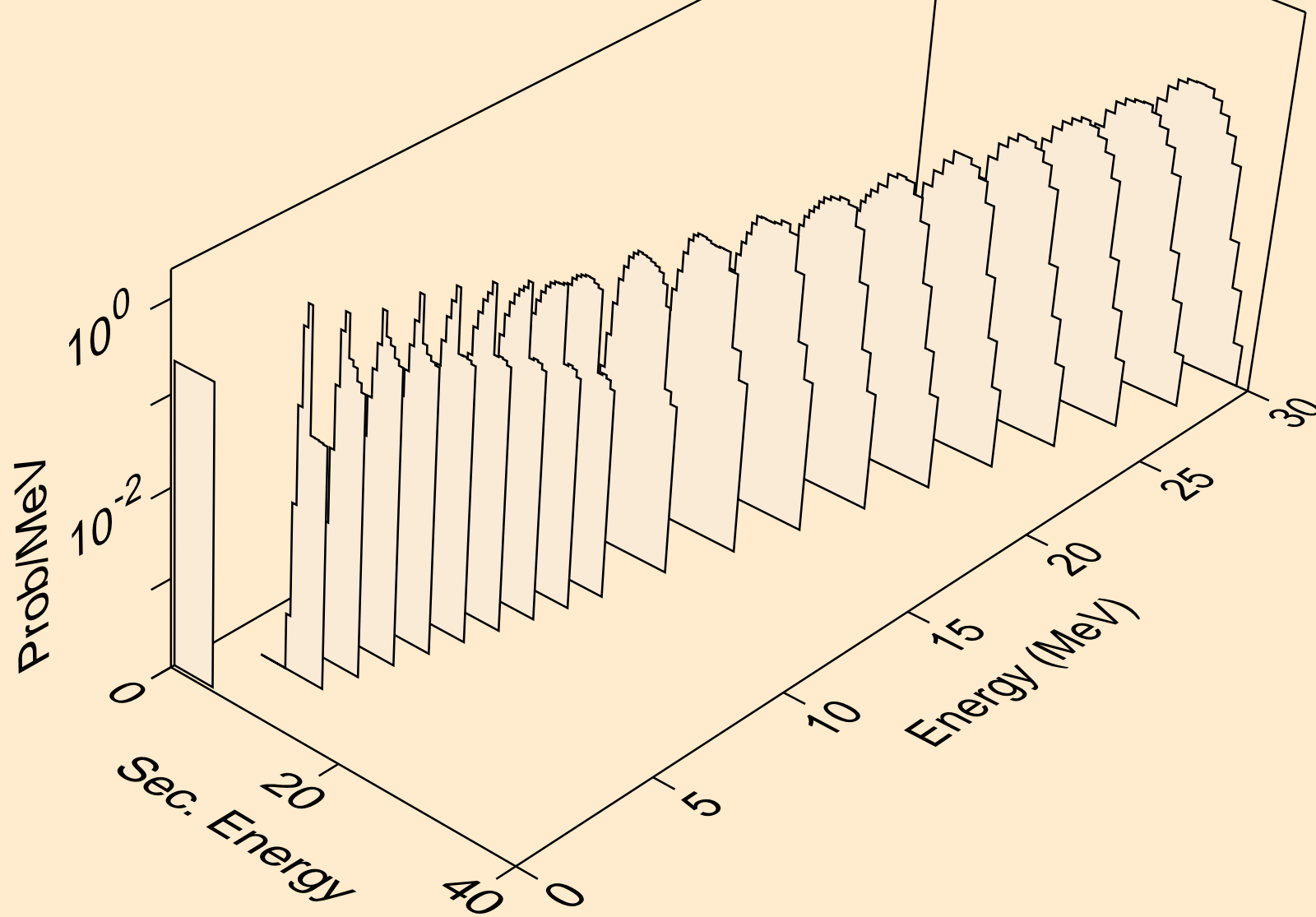
AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)2a



AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,npa)

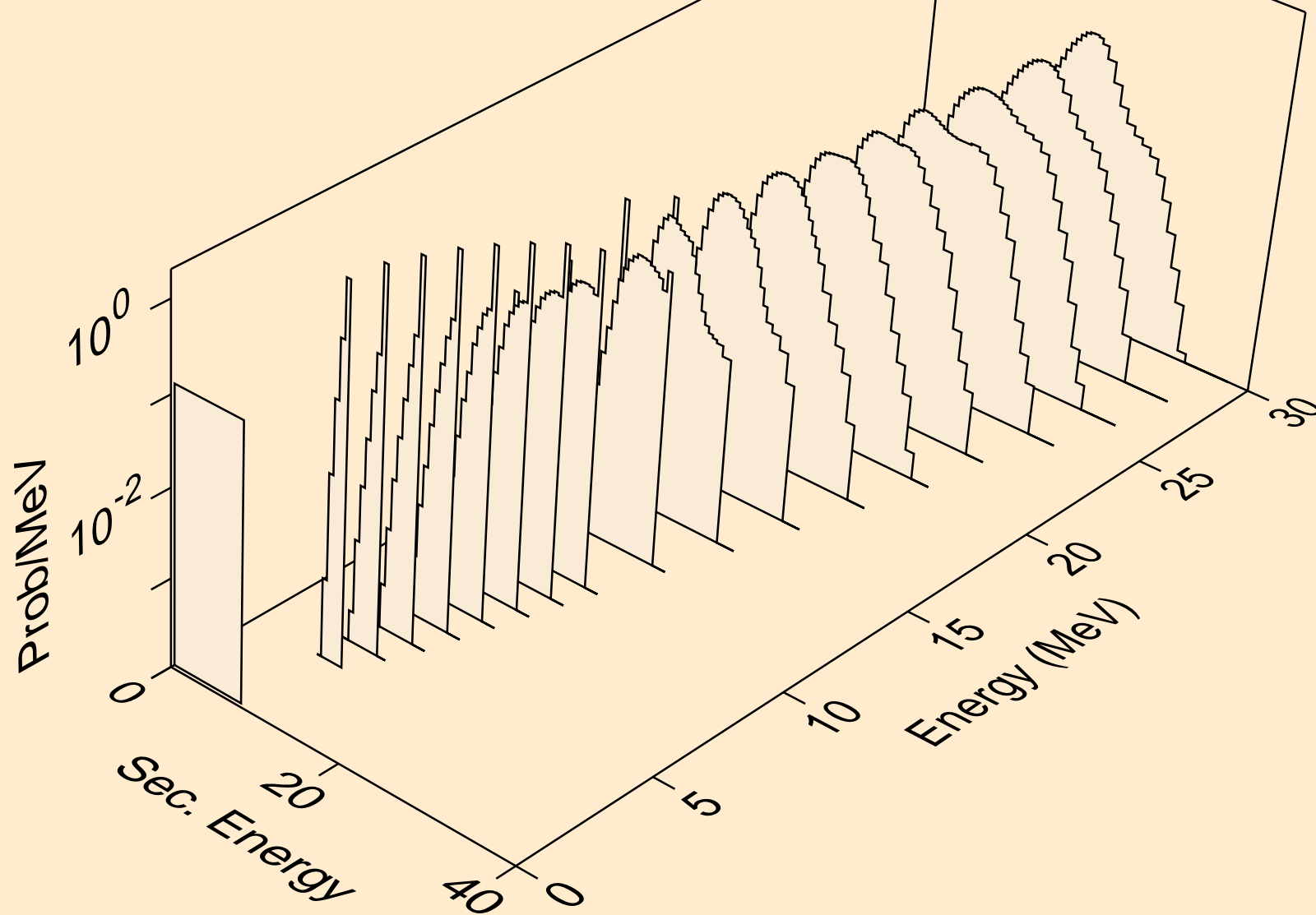


AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,a)

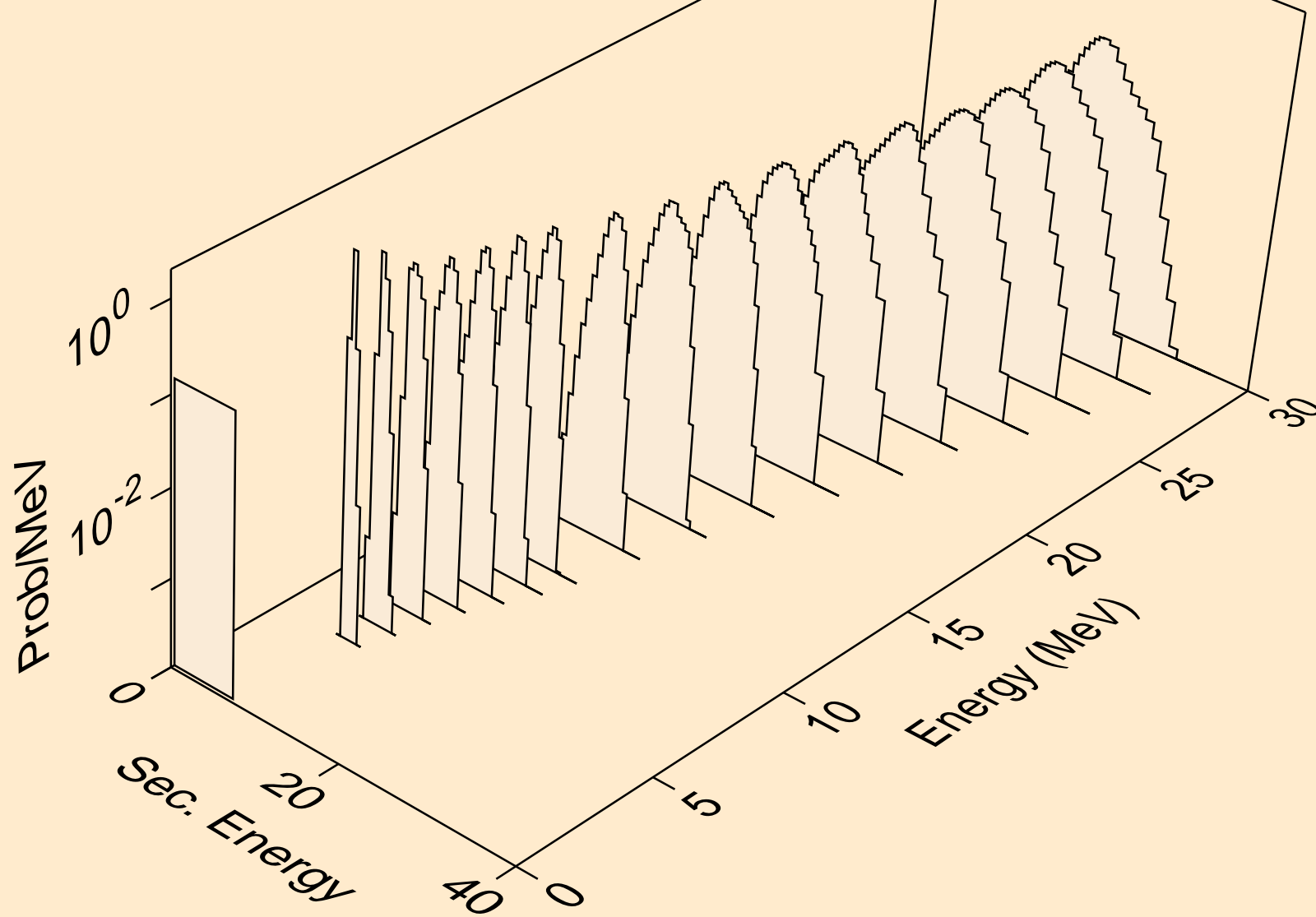




AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2a)



AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,pa)



AT199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,da)

