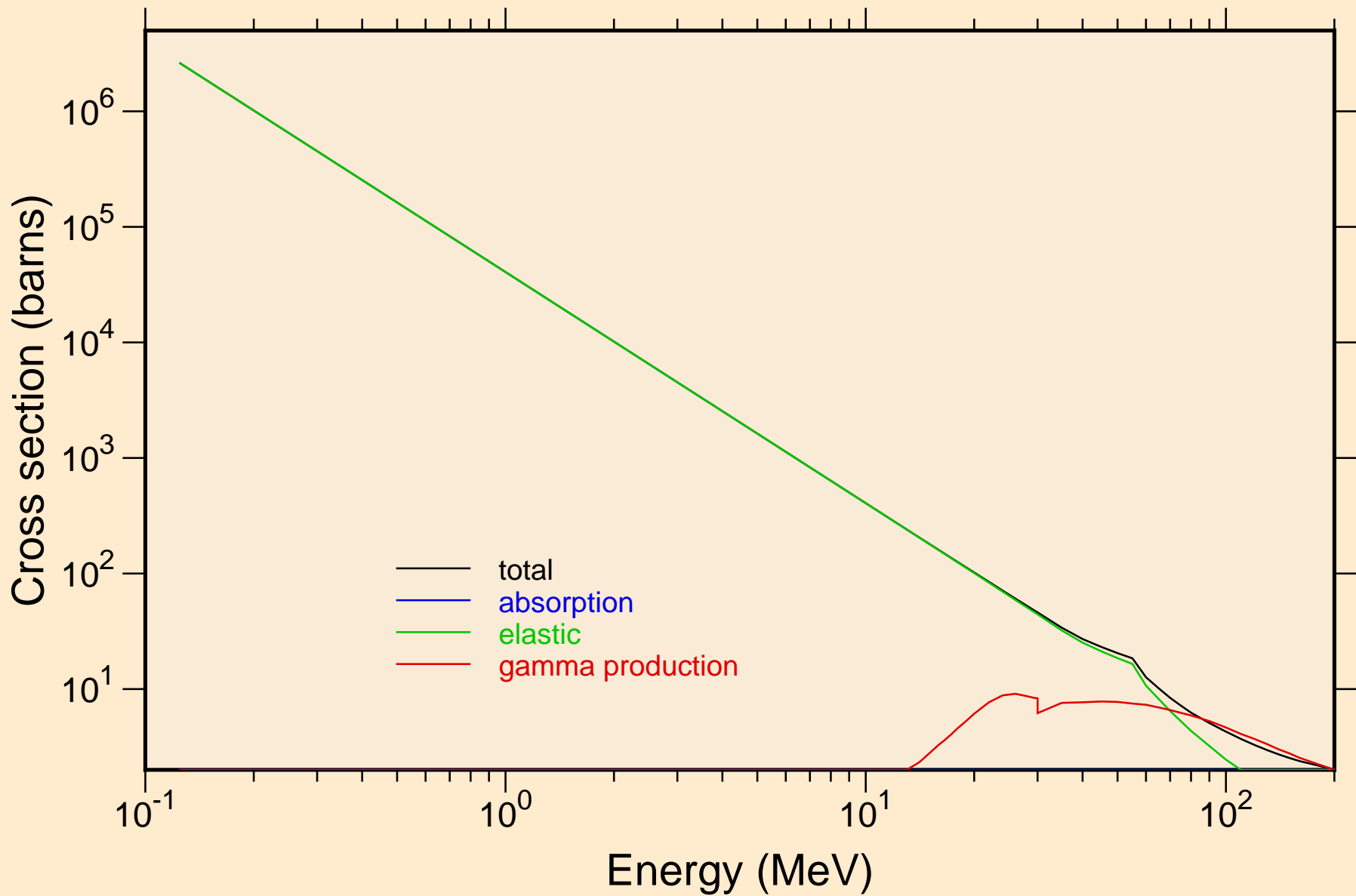
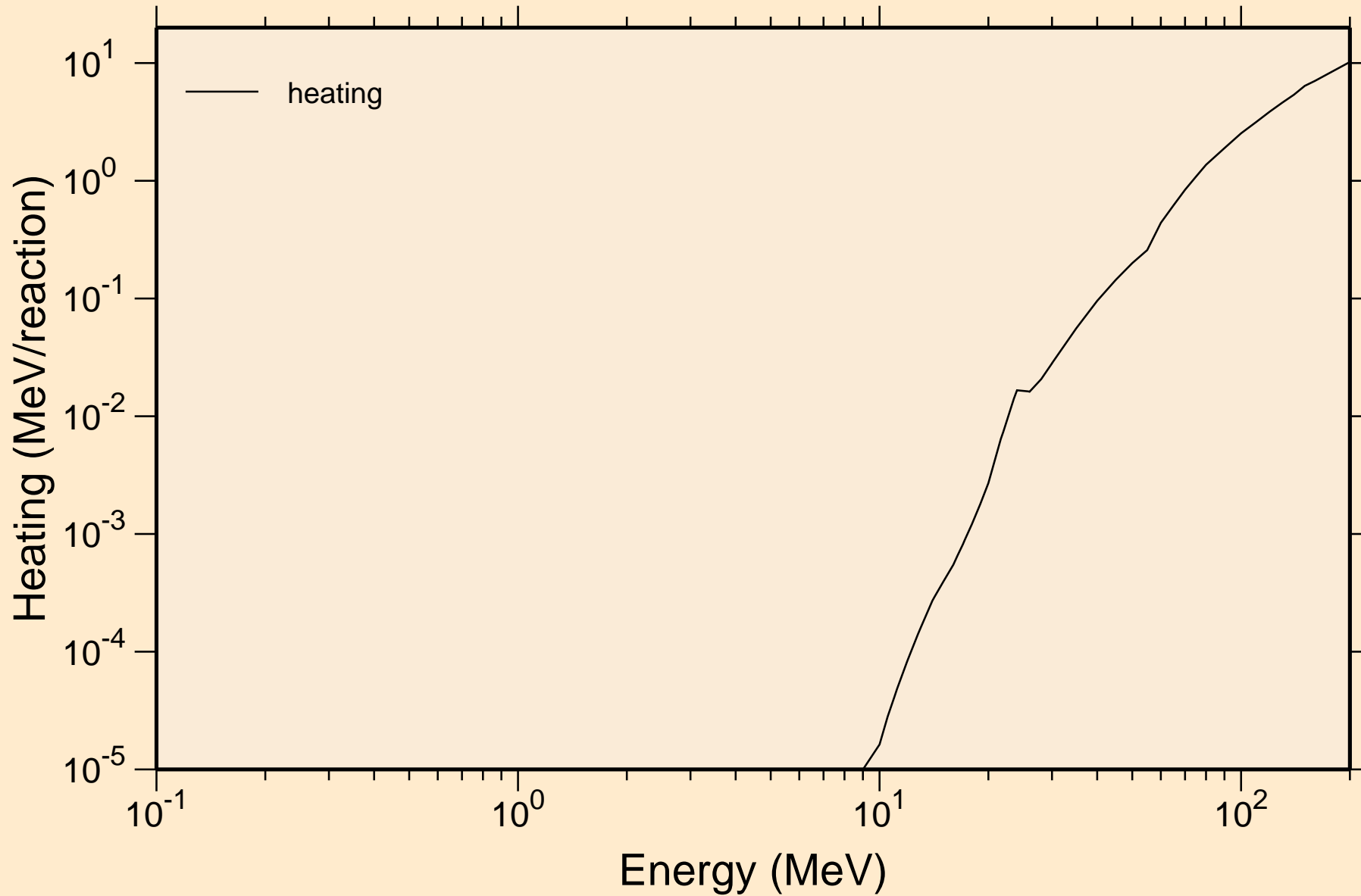


TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Principal cross sections

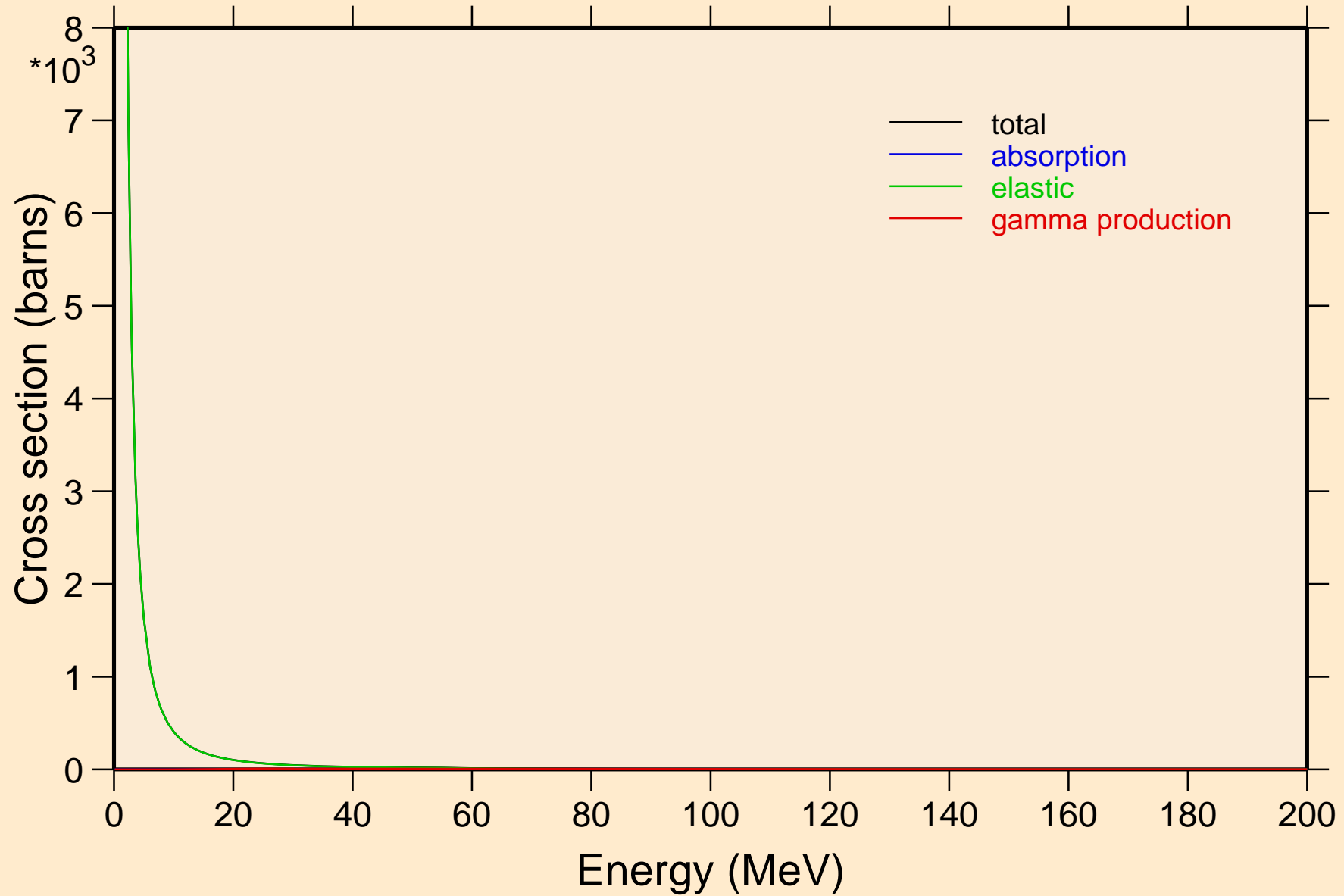


TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Heating



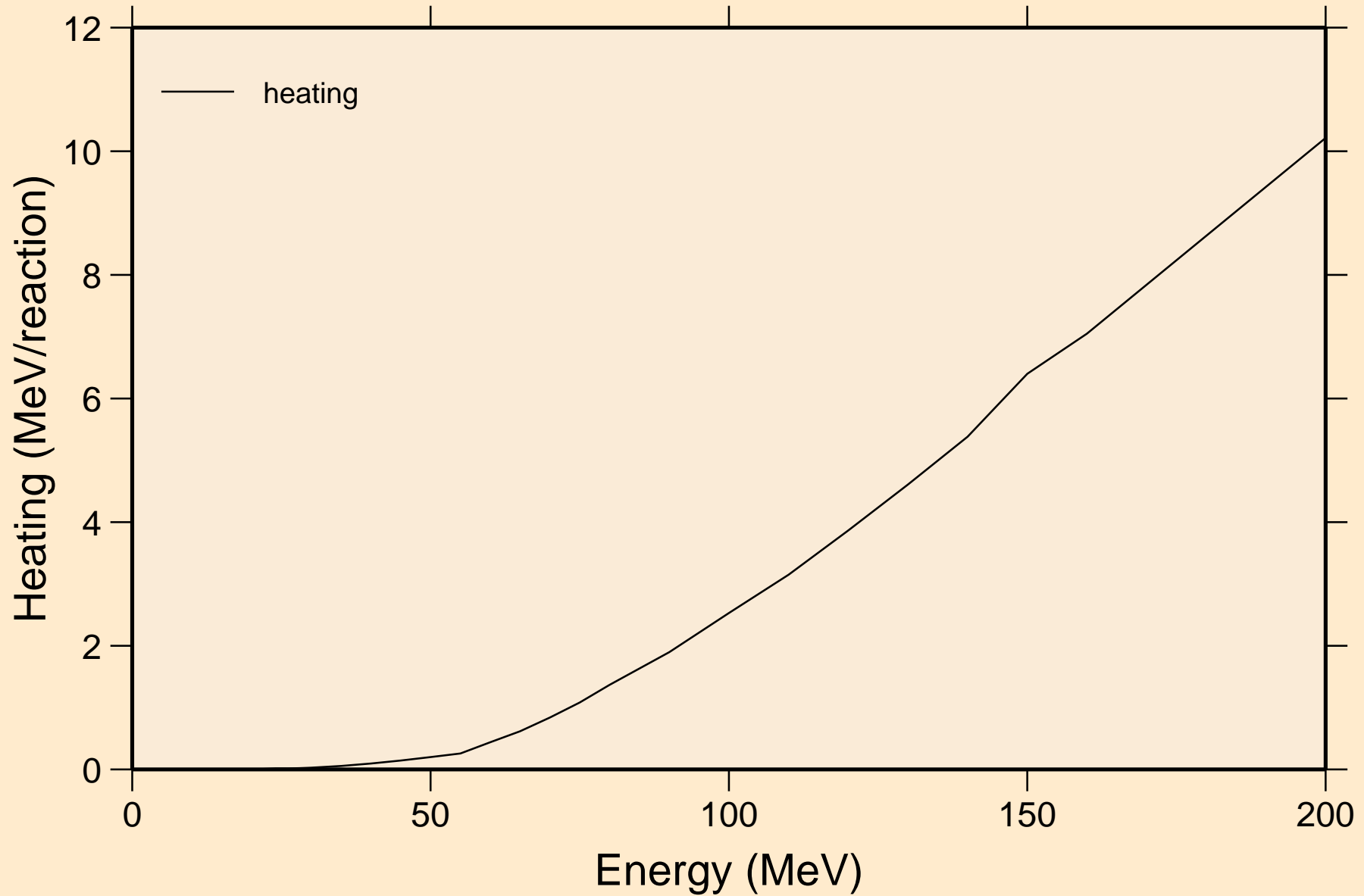
# TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections

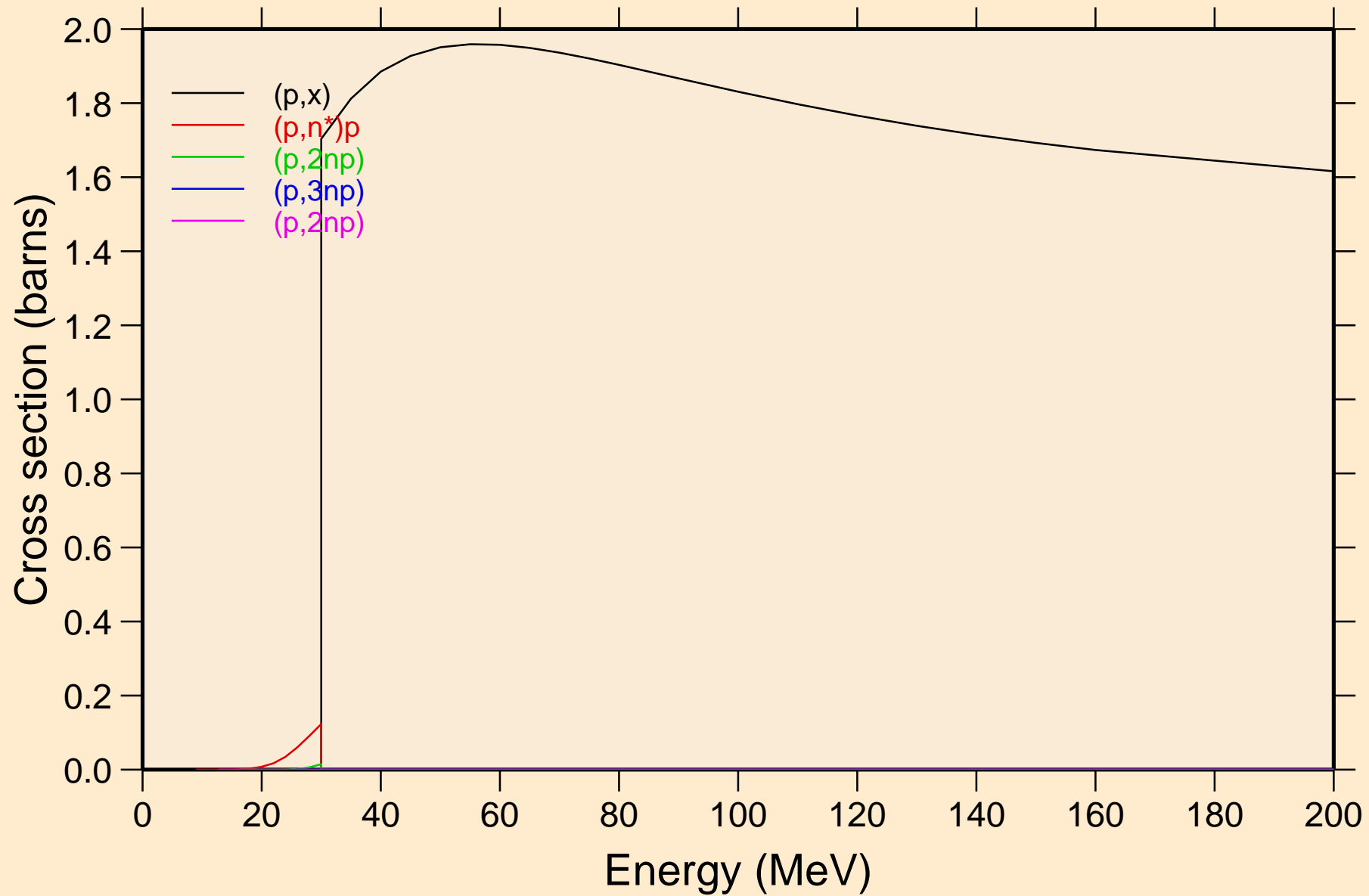


TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K

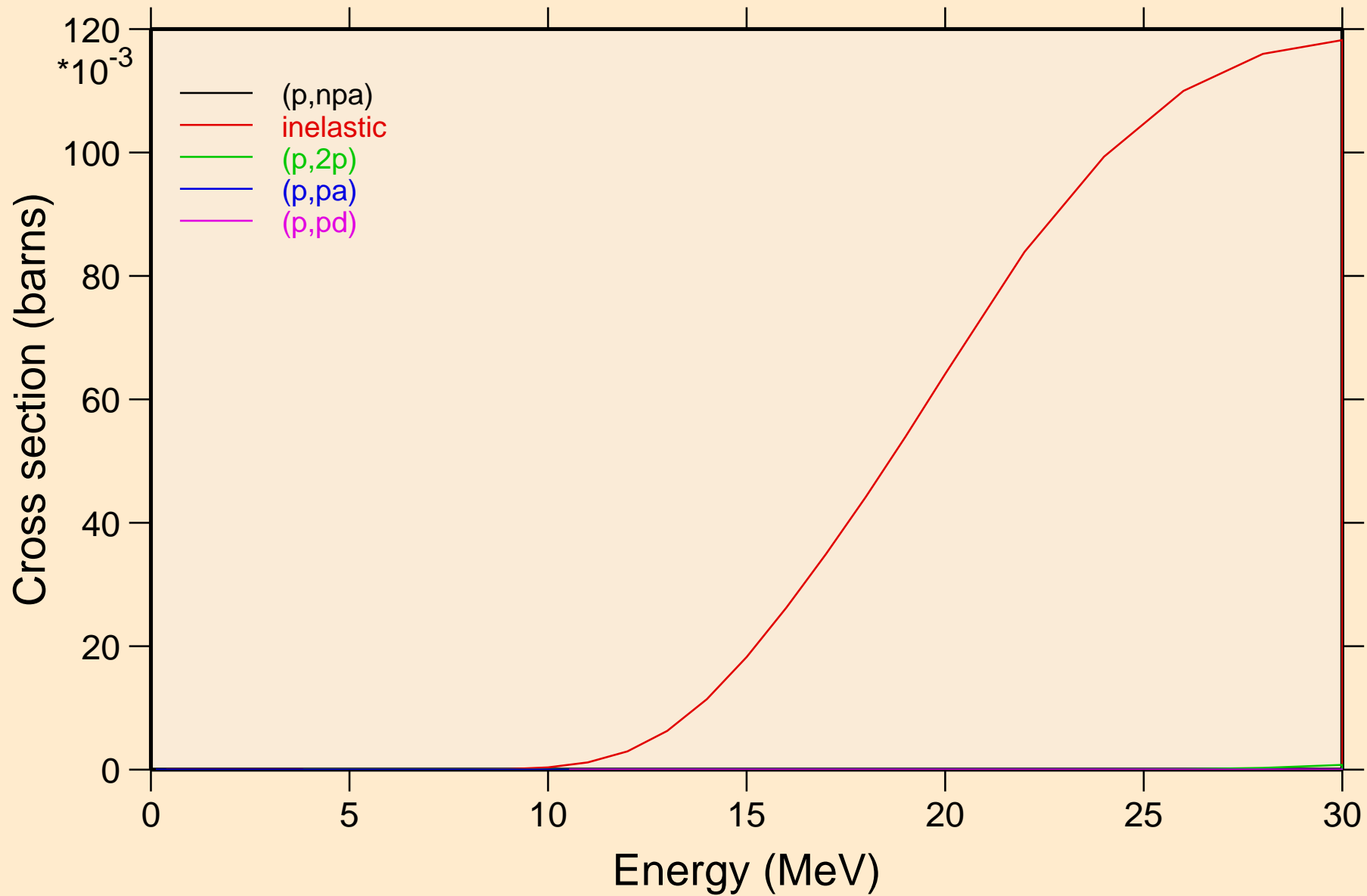
Heating



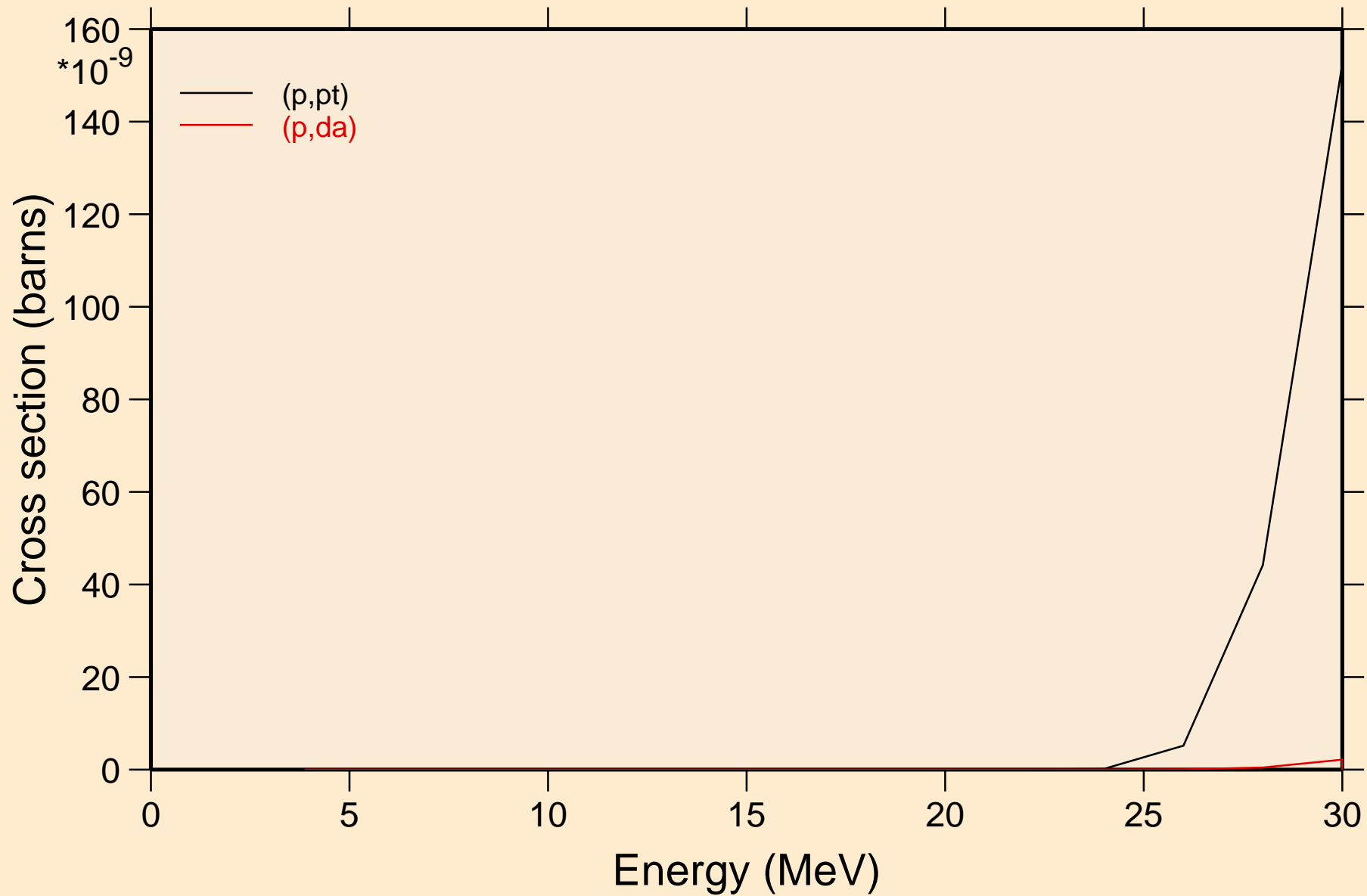
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



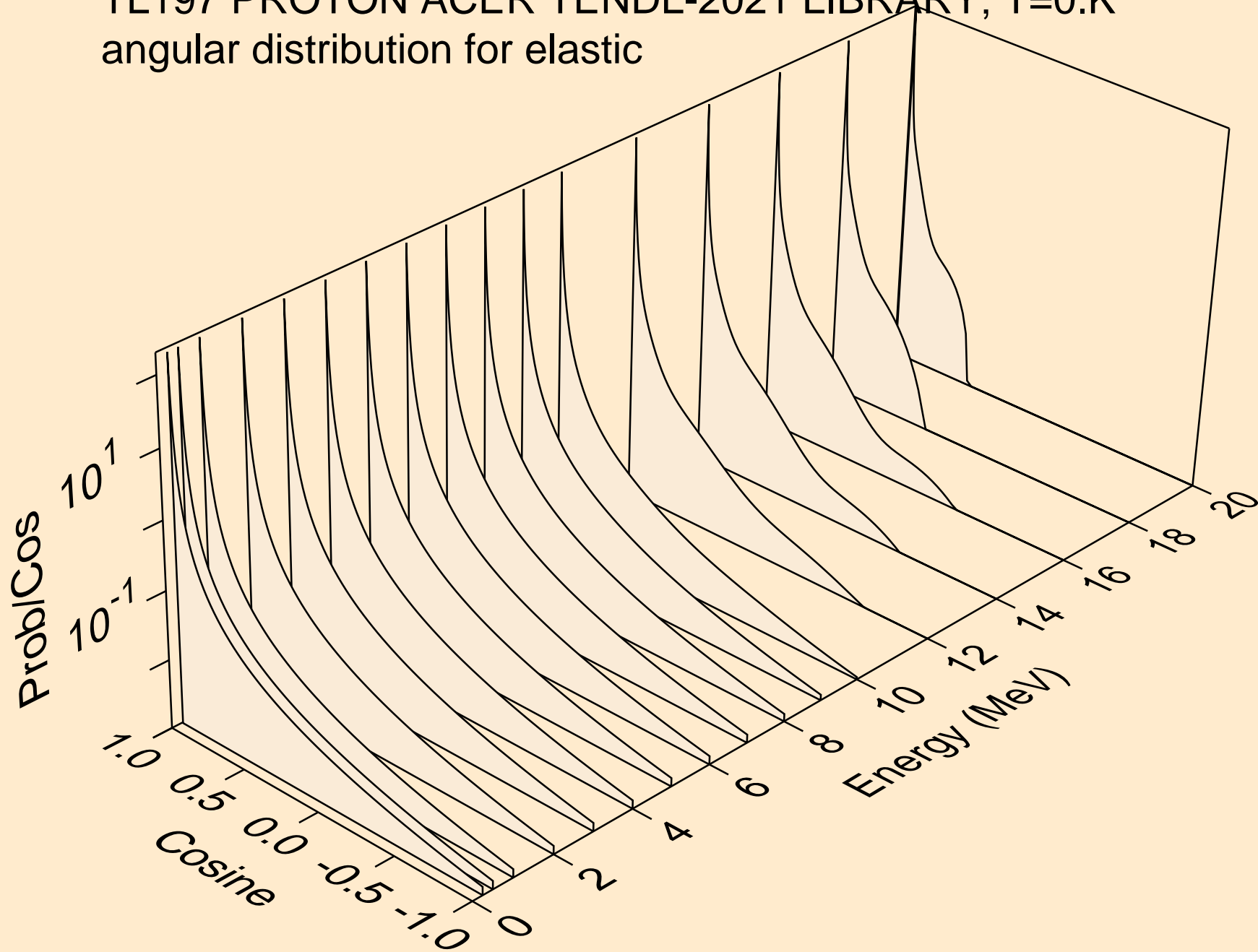
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

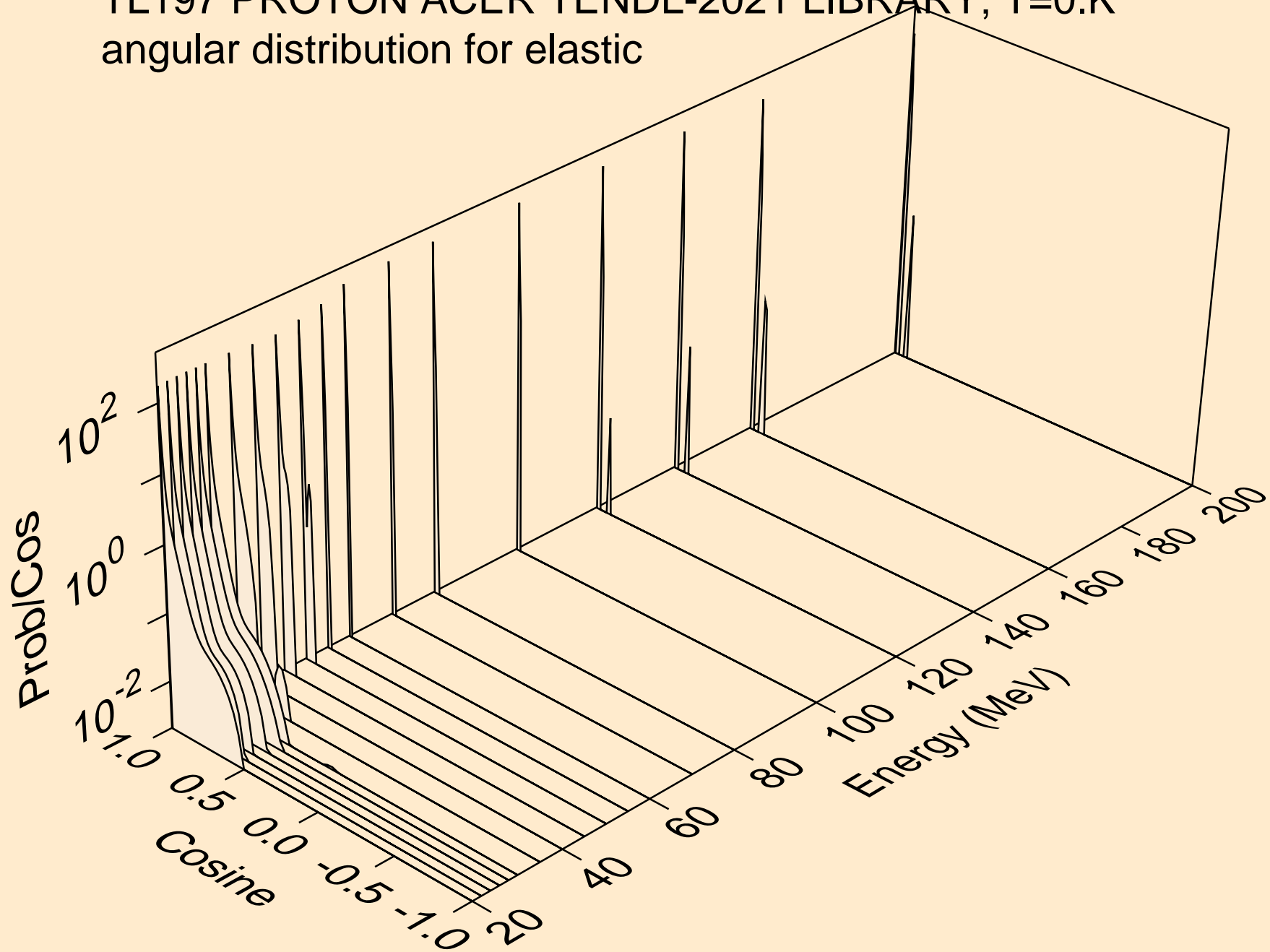


TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic

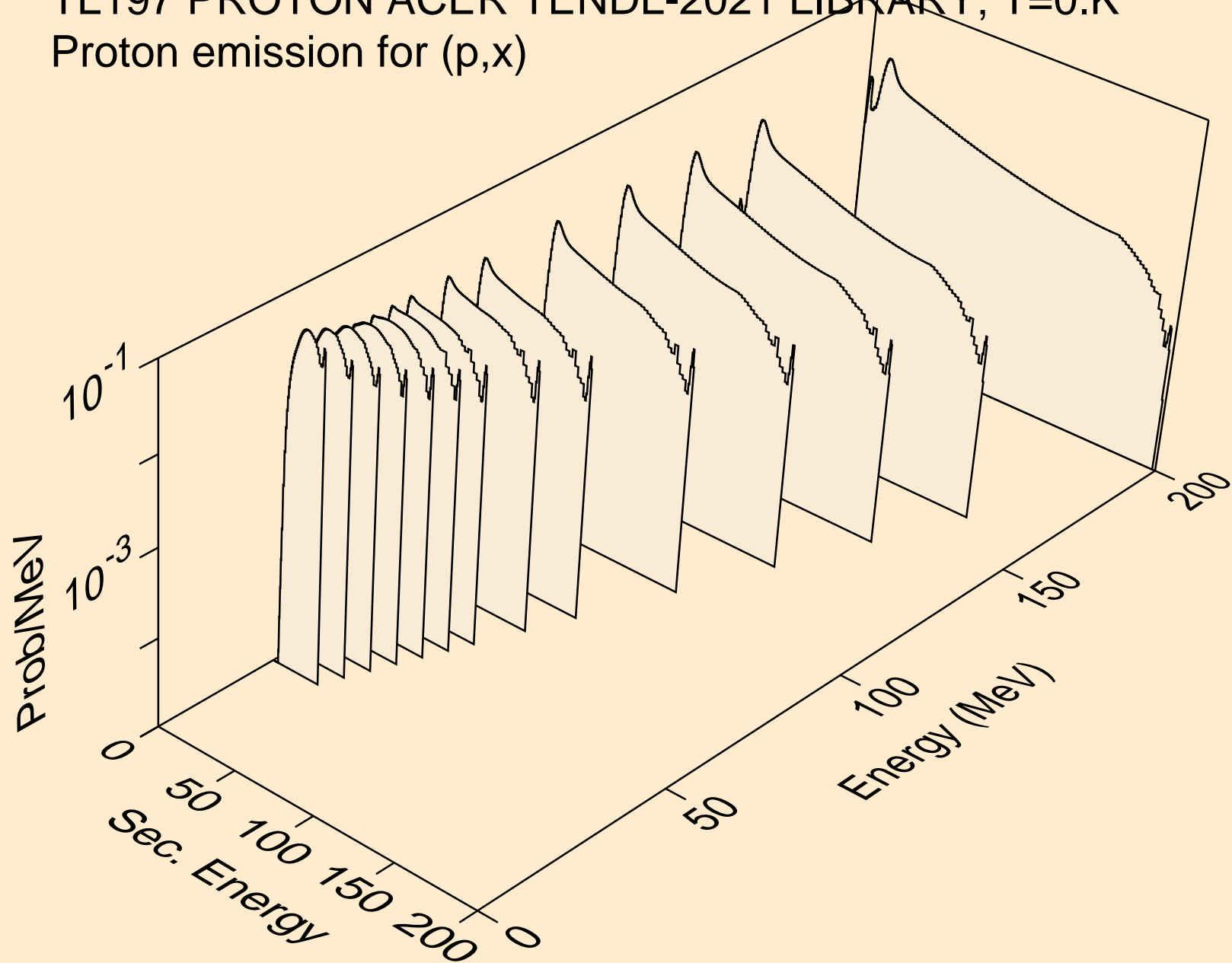




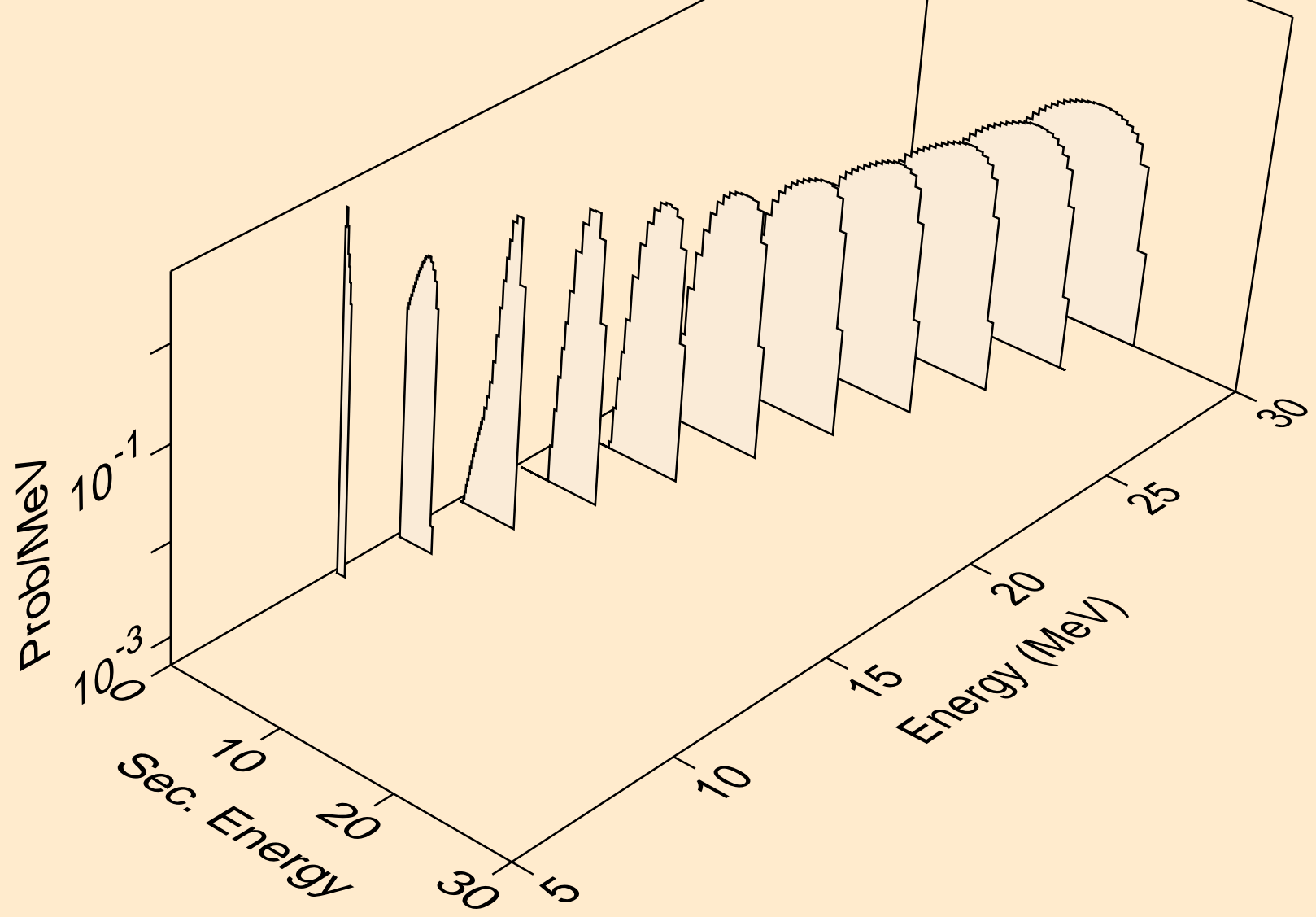
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



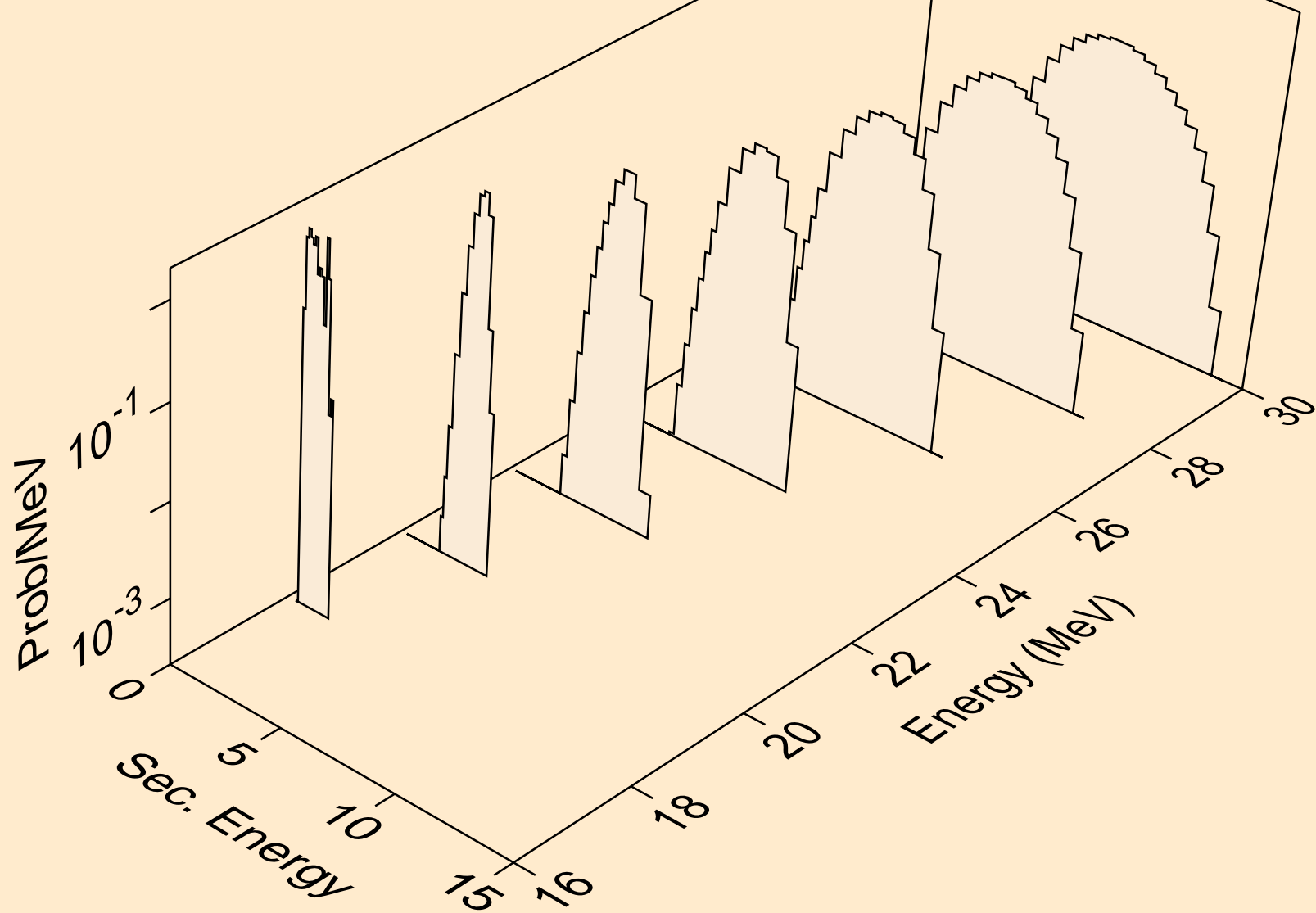
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,x)



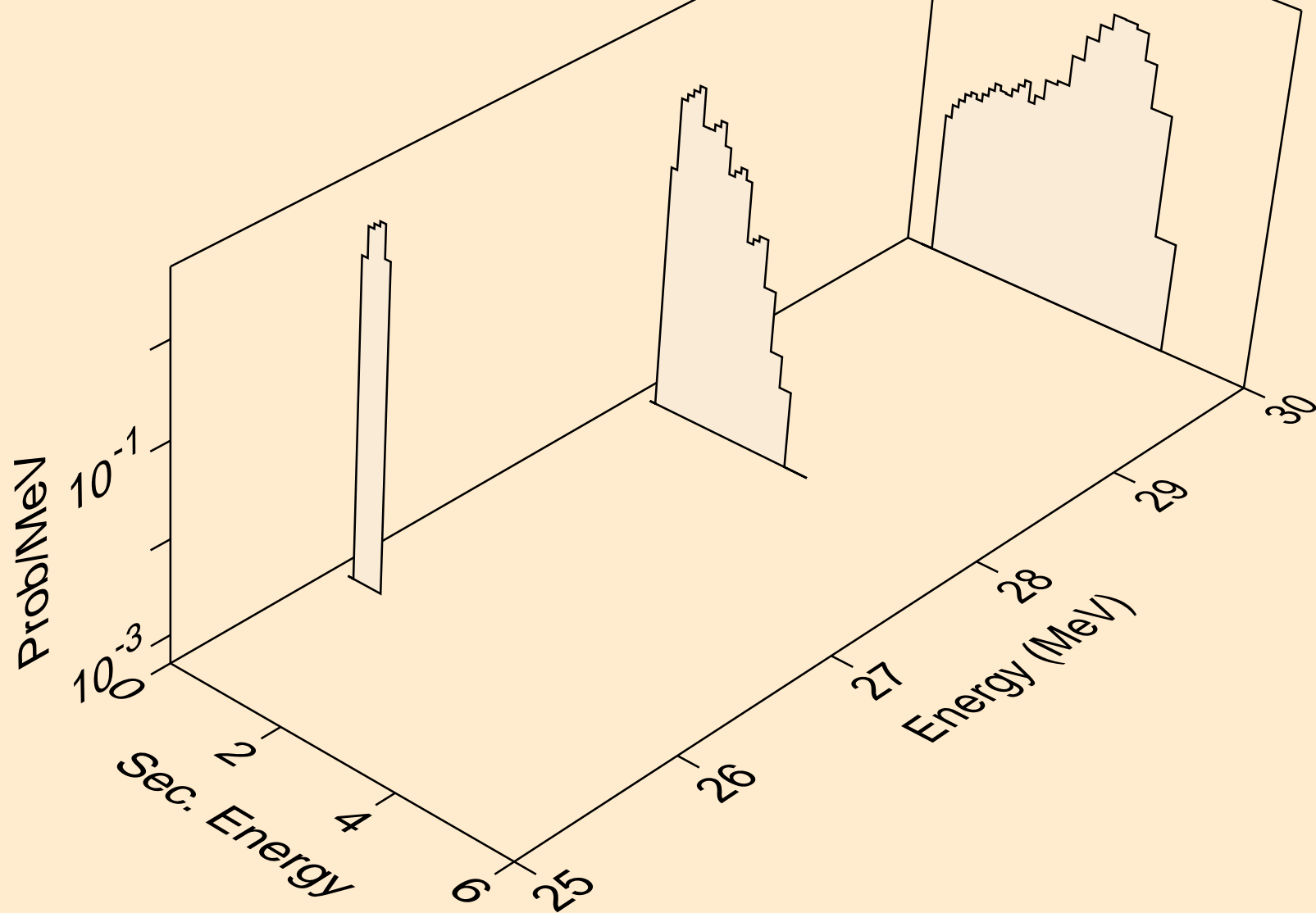
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



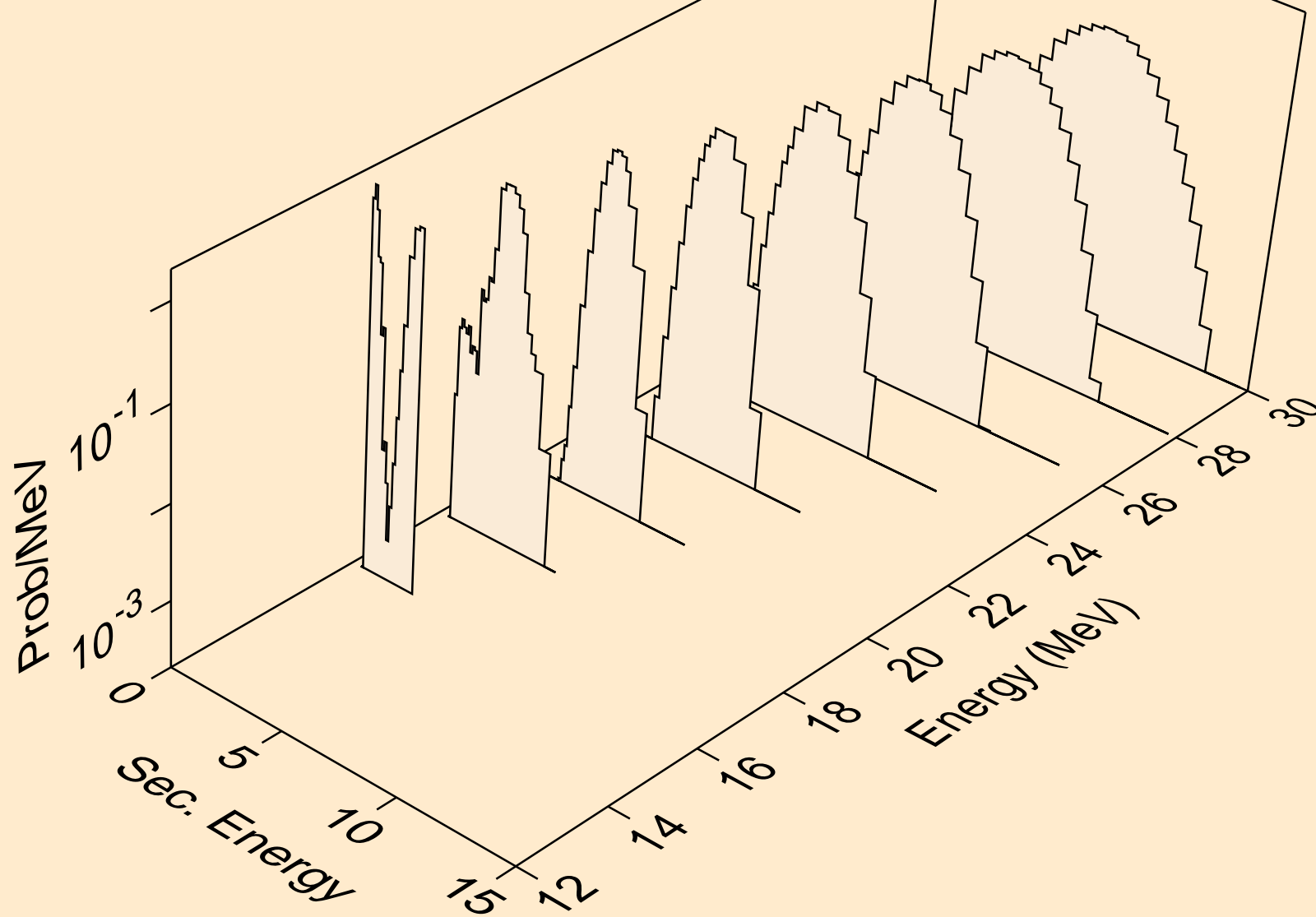
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)



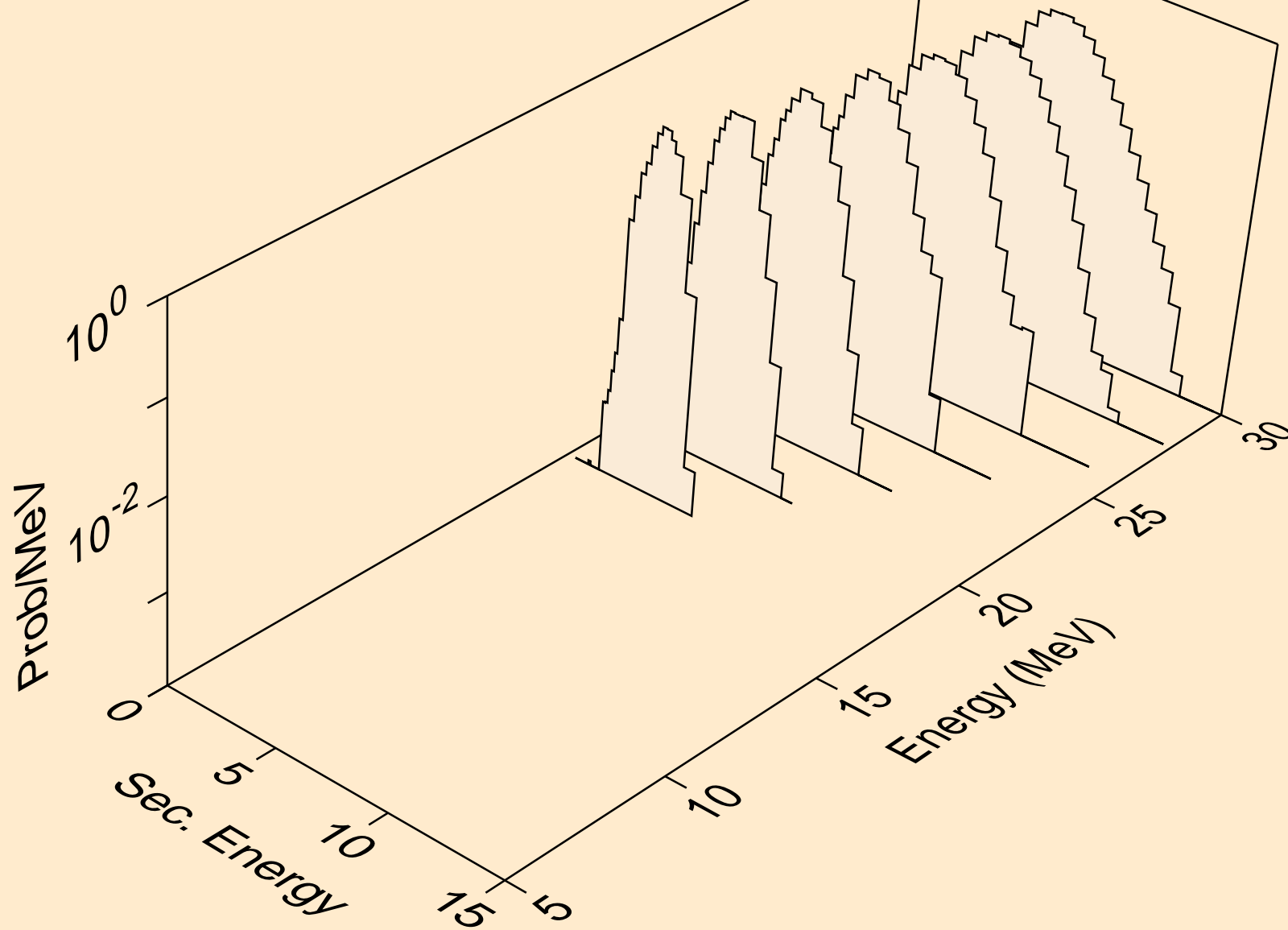
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,3np)



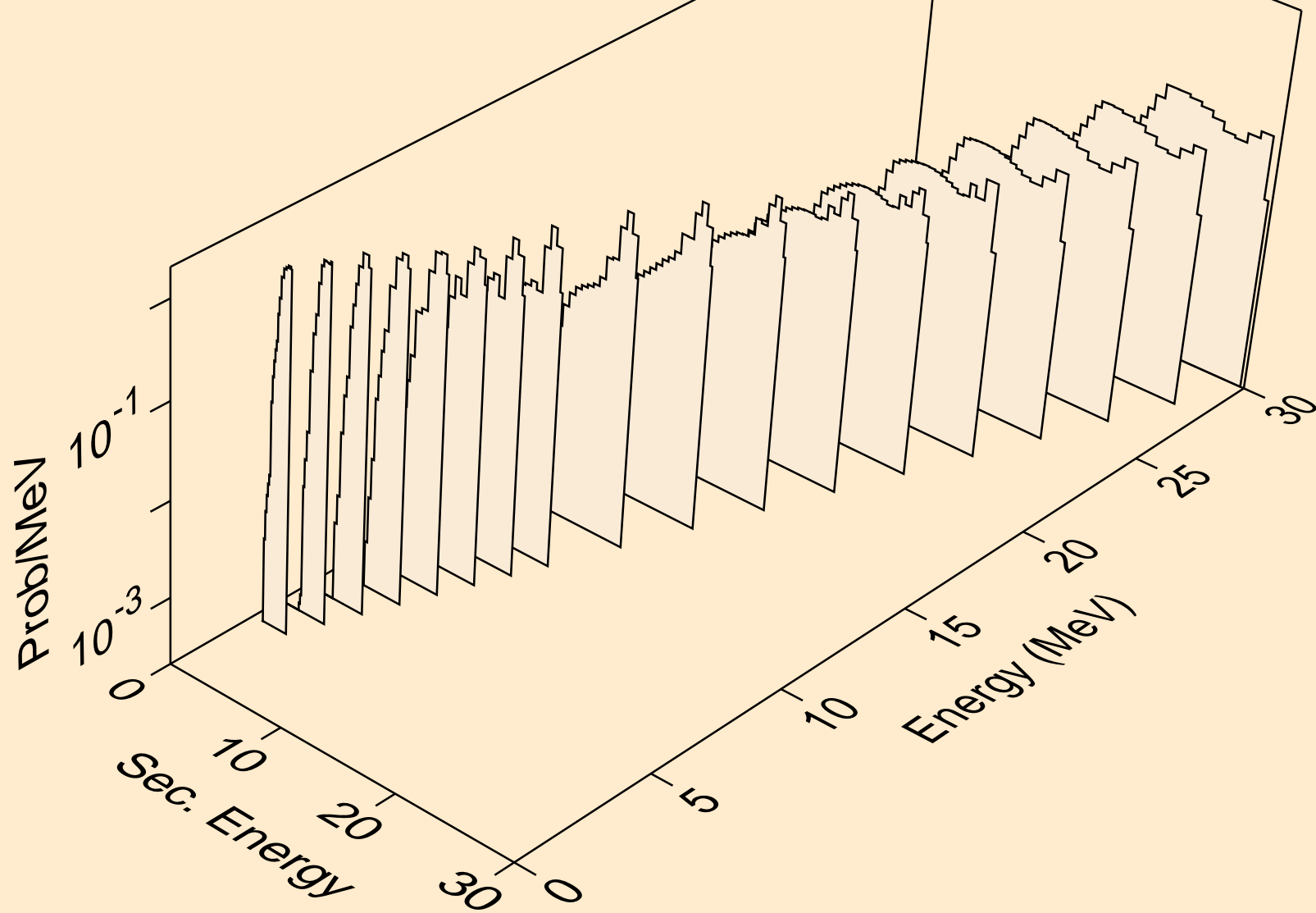
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)



TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,npa)

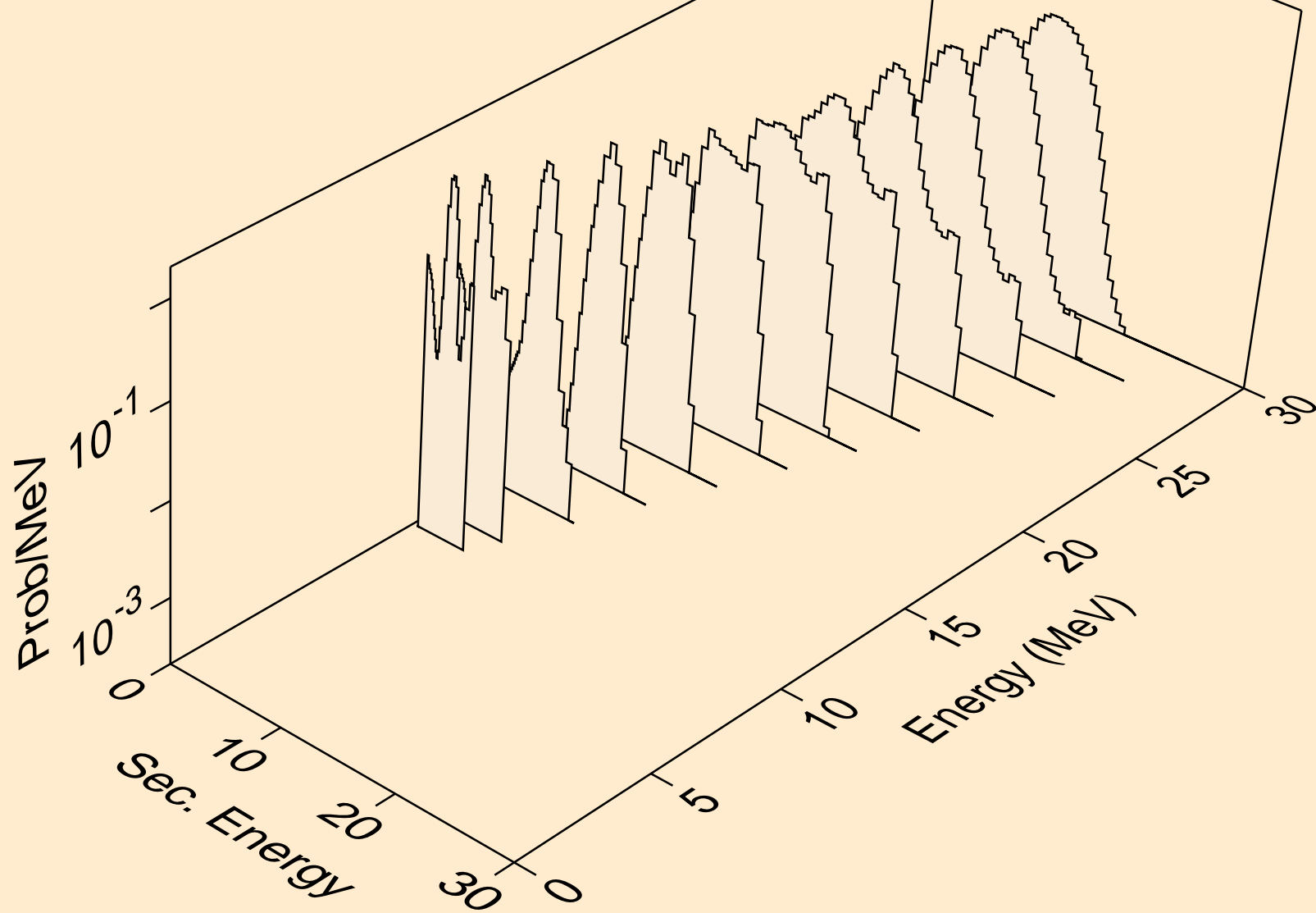


TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for inelastic

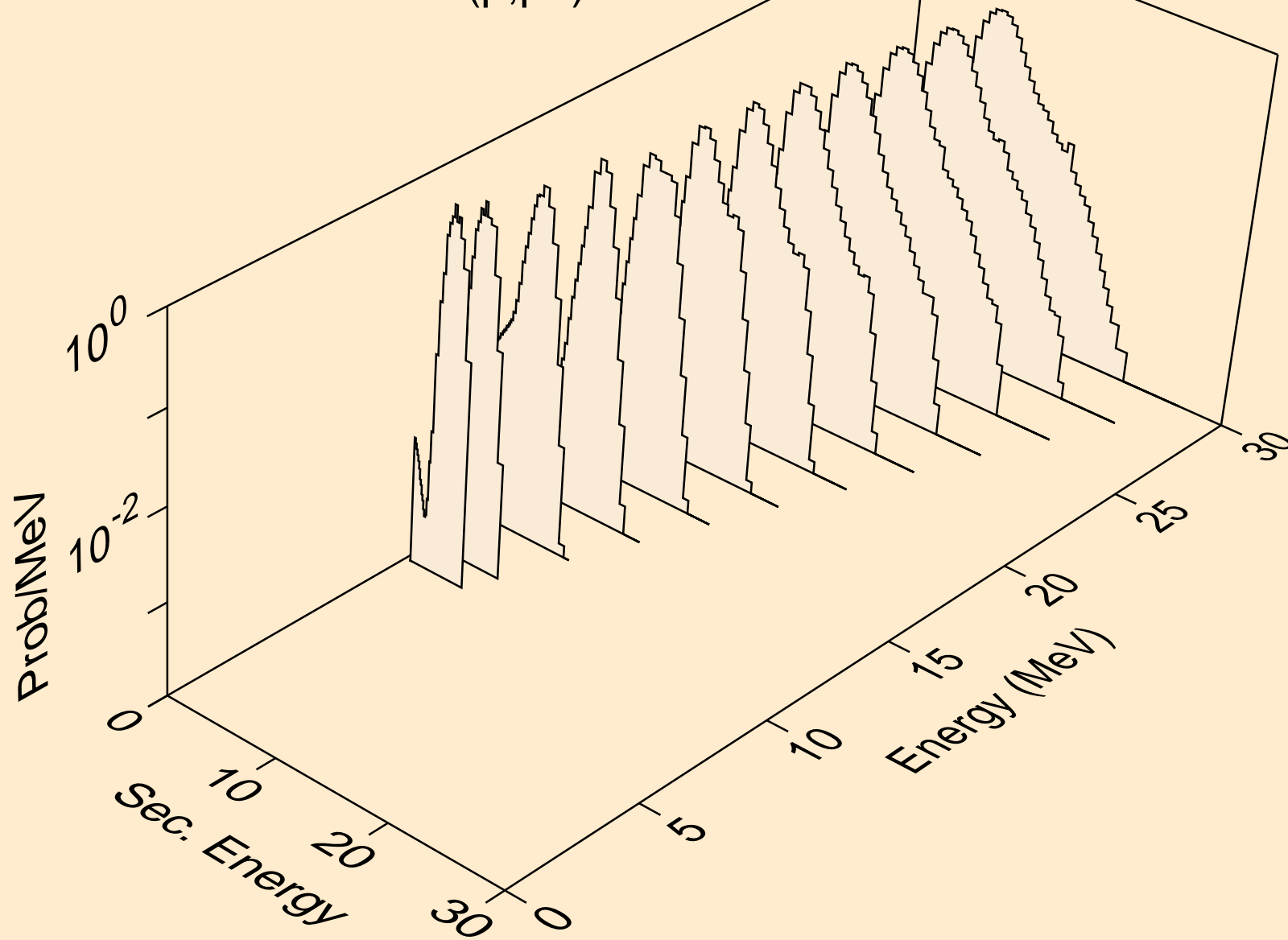




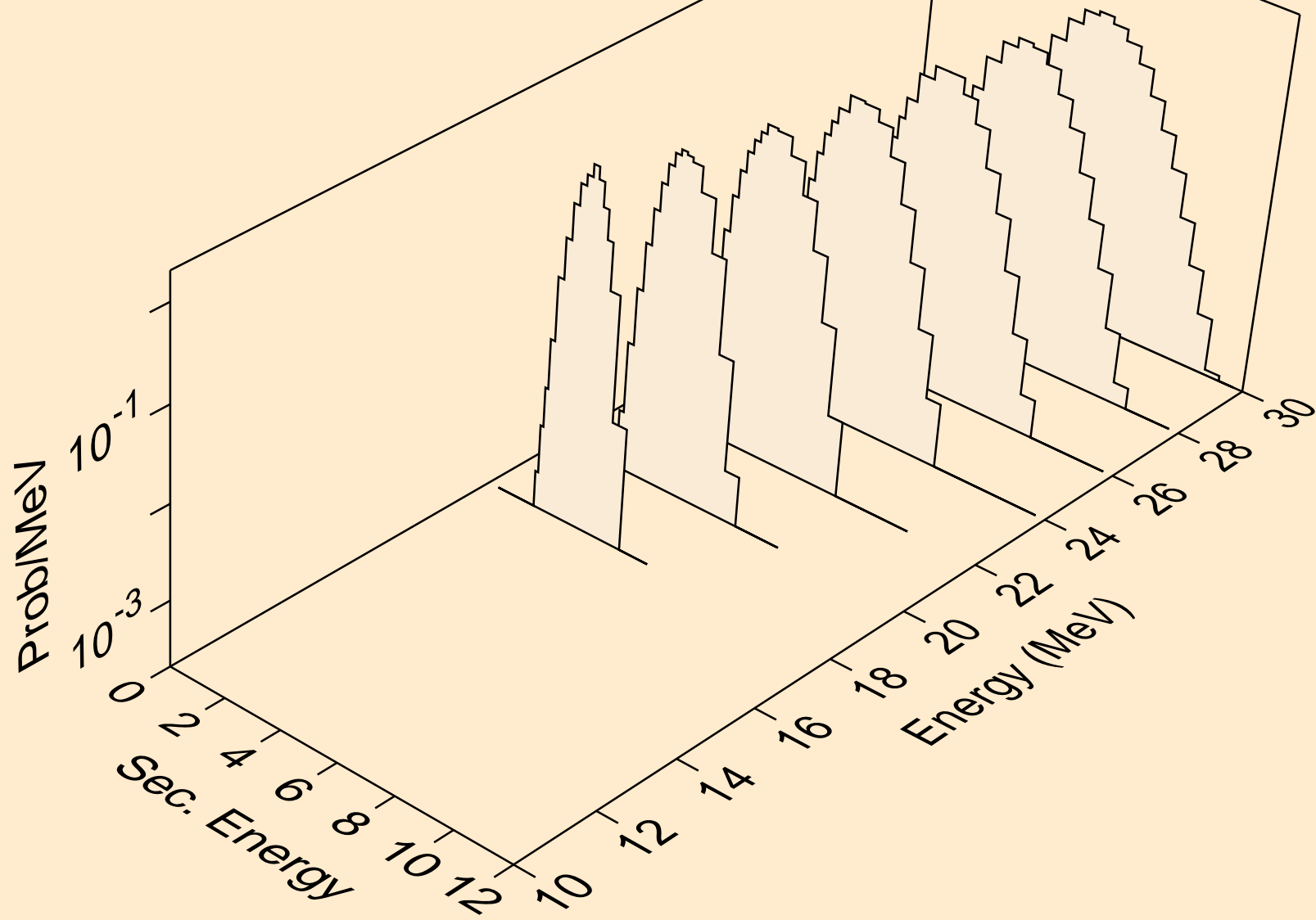
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2p)



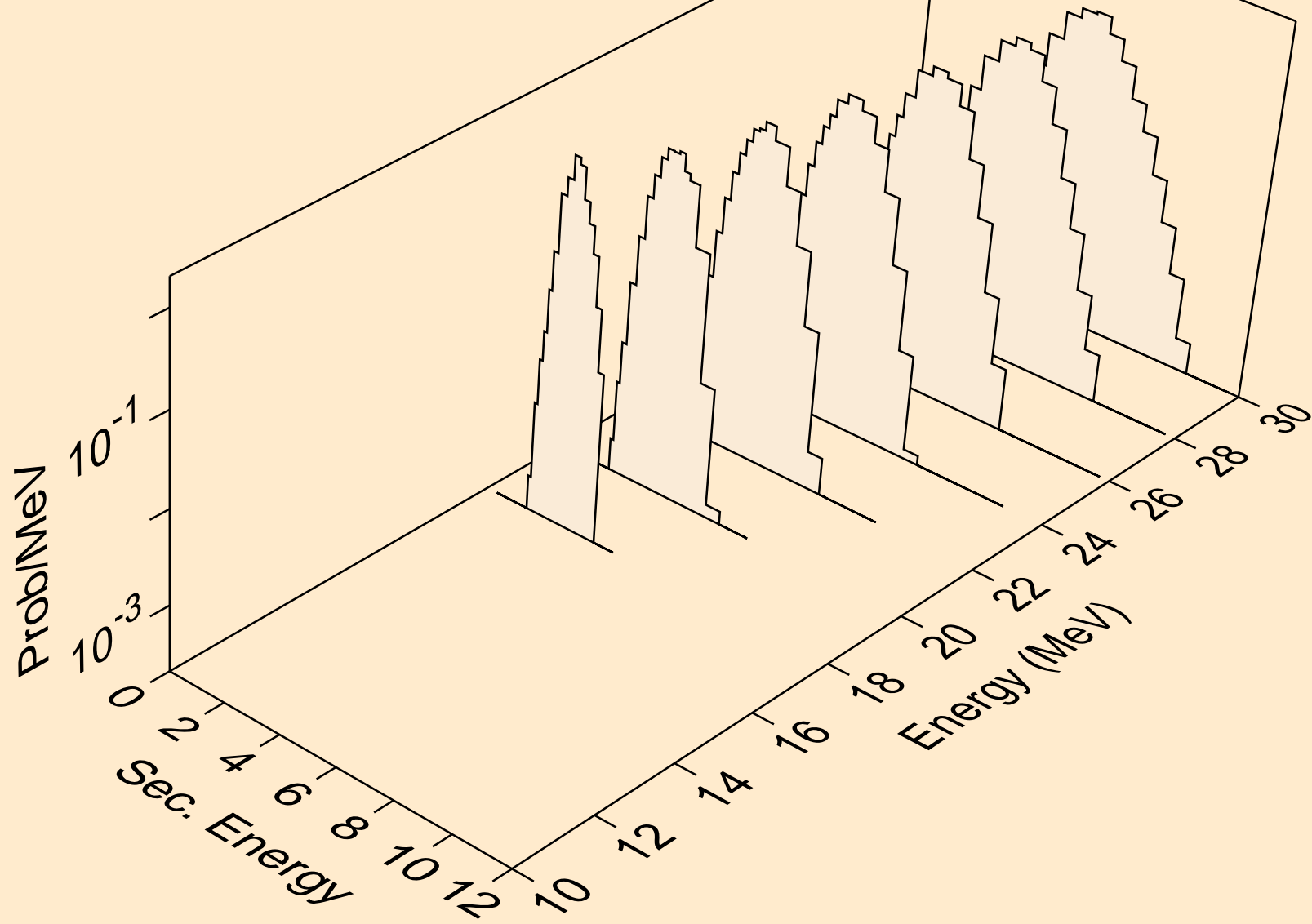
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pa)



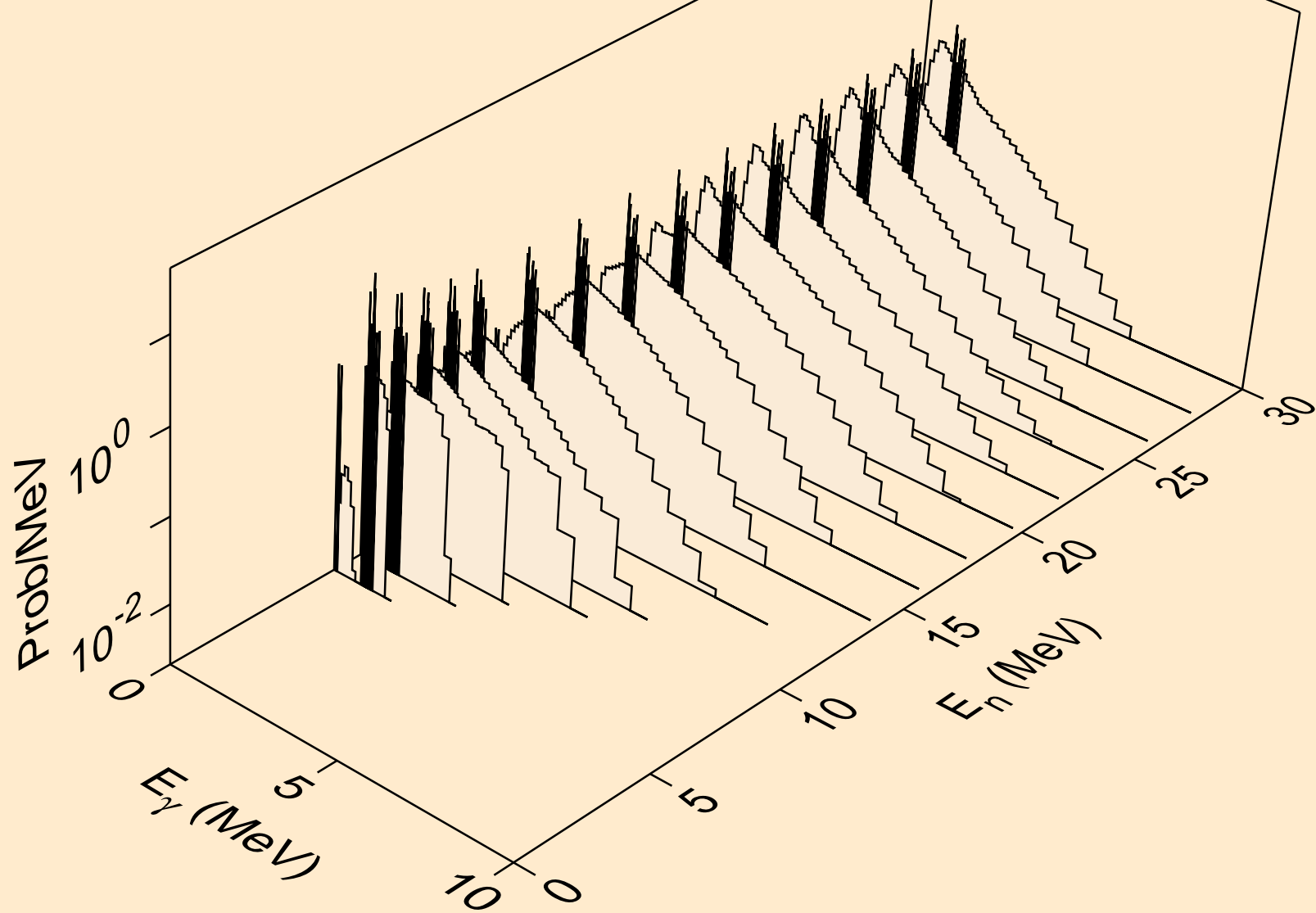
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pd)



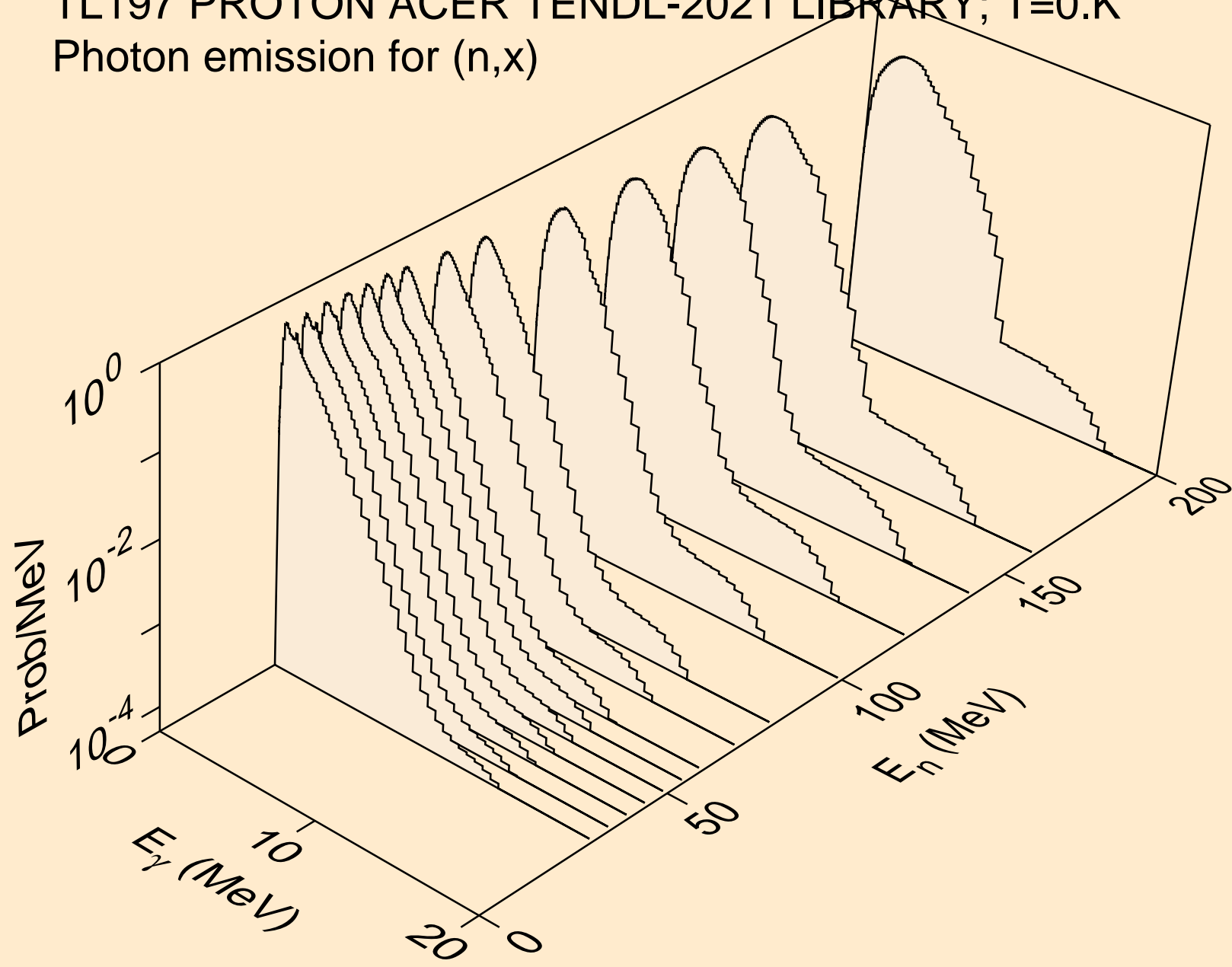
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pt)



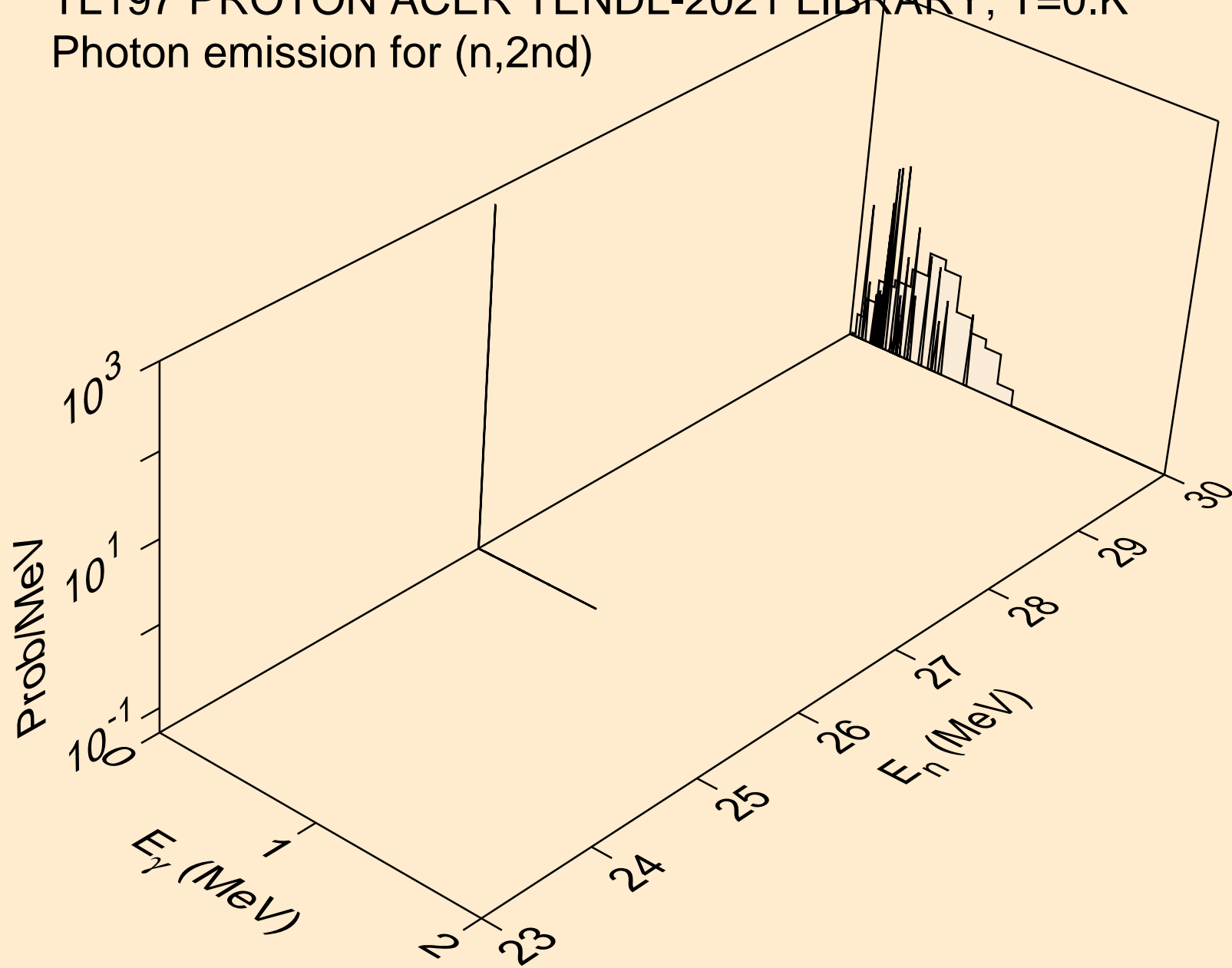
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)



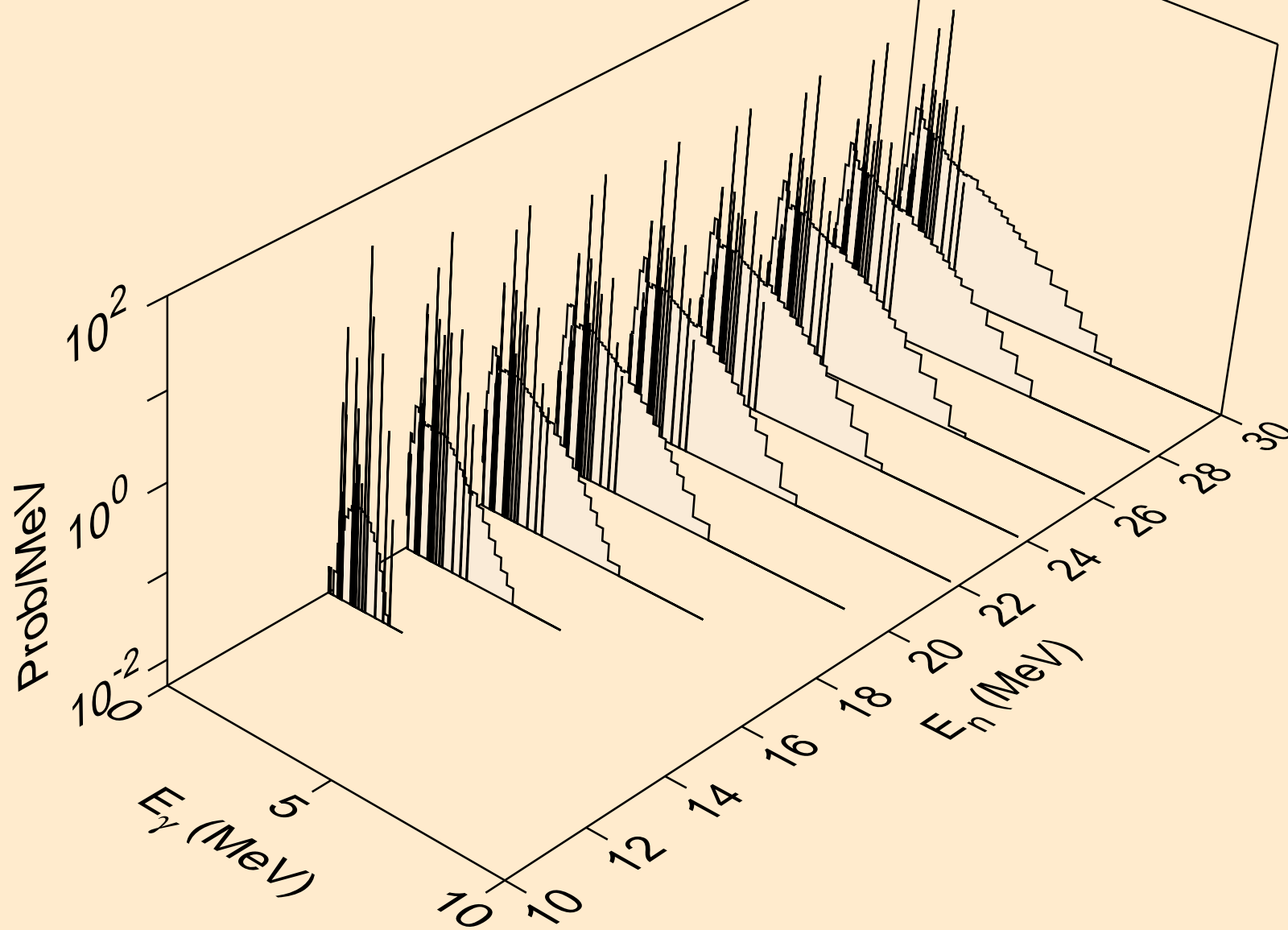
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2nd)

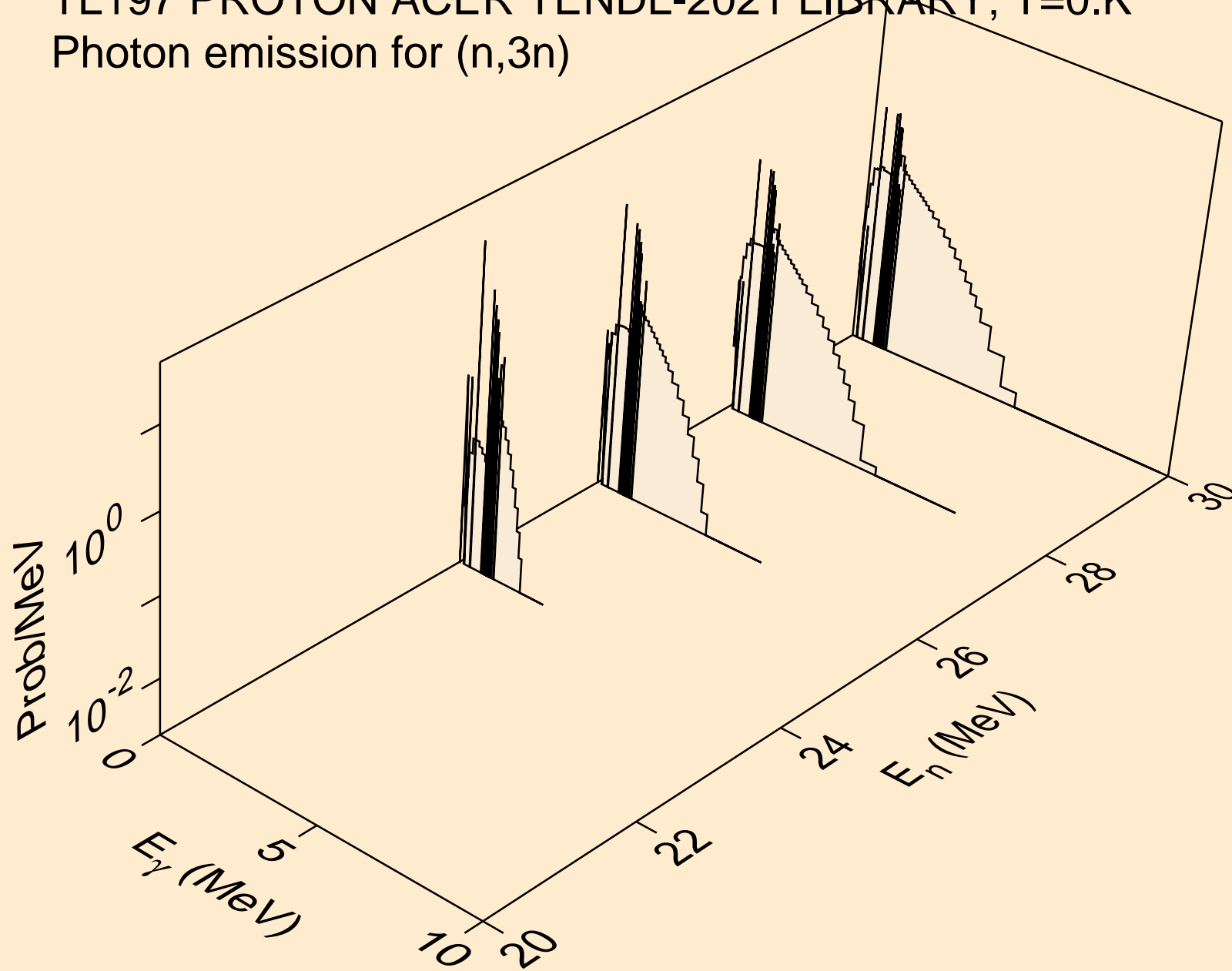


TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)

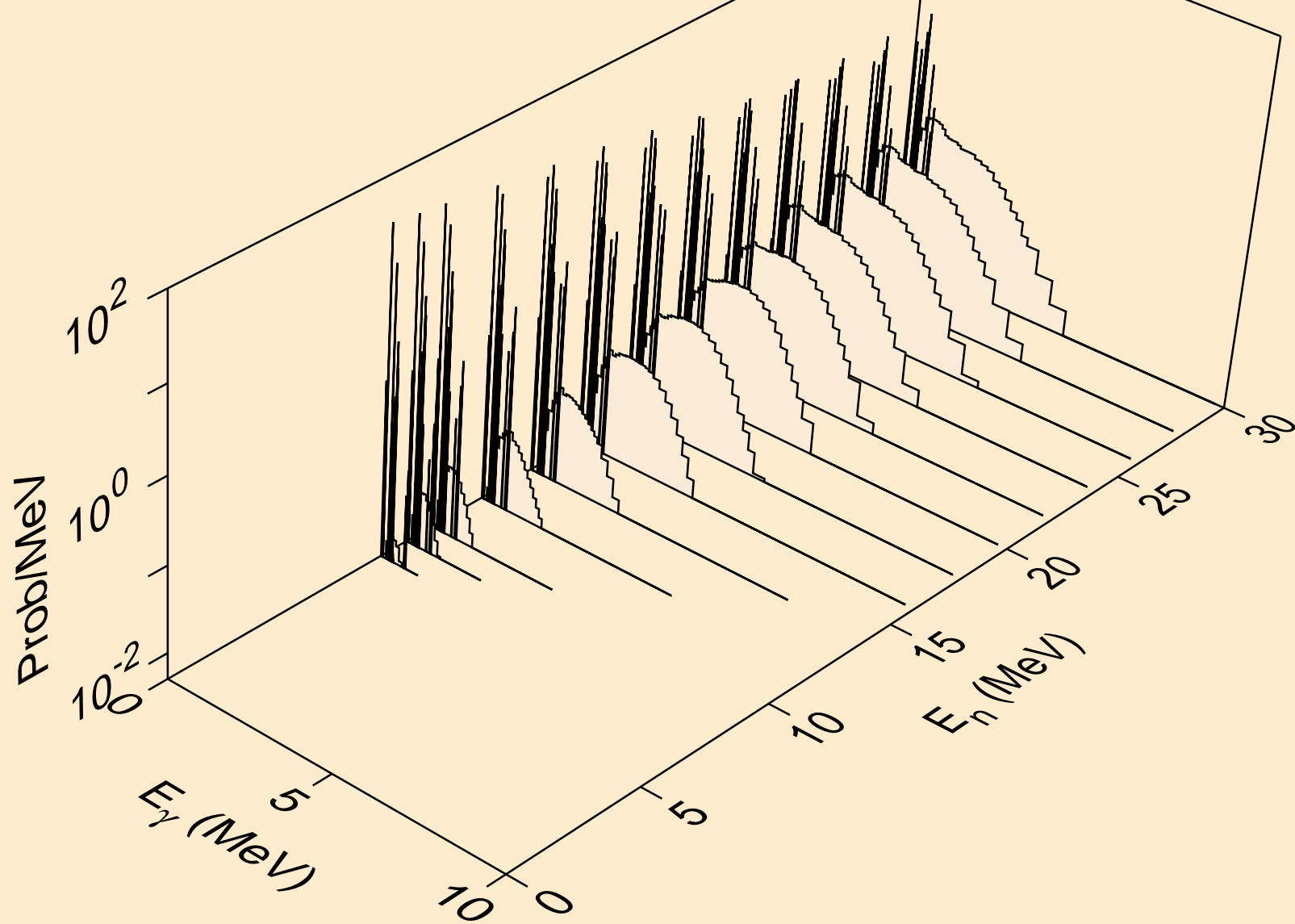




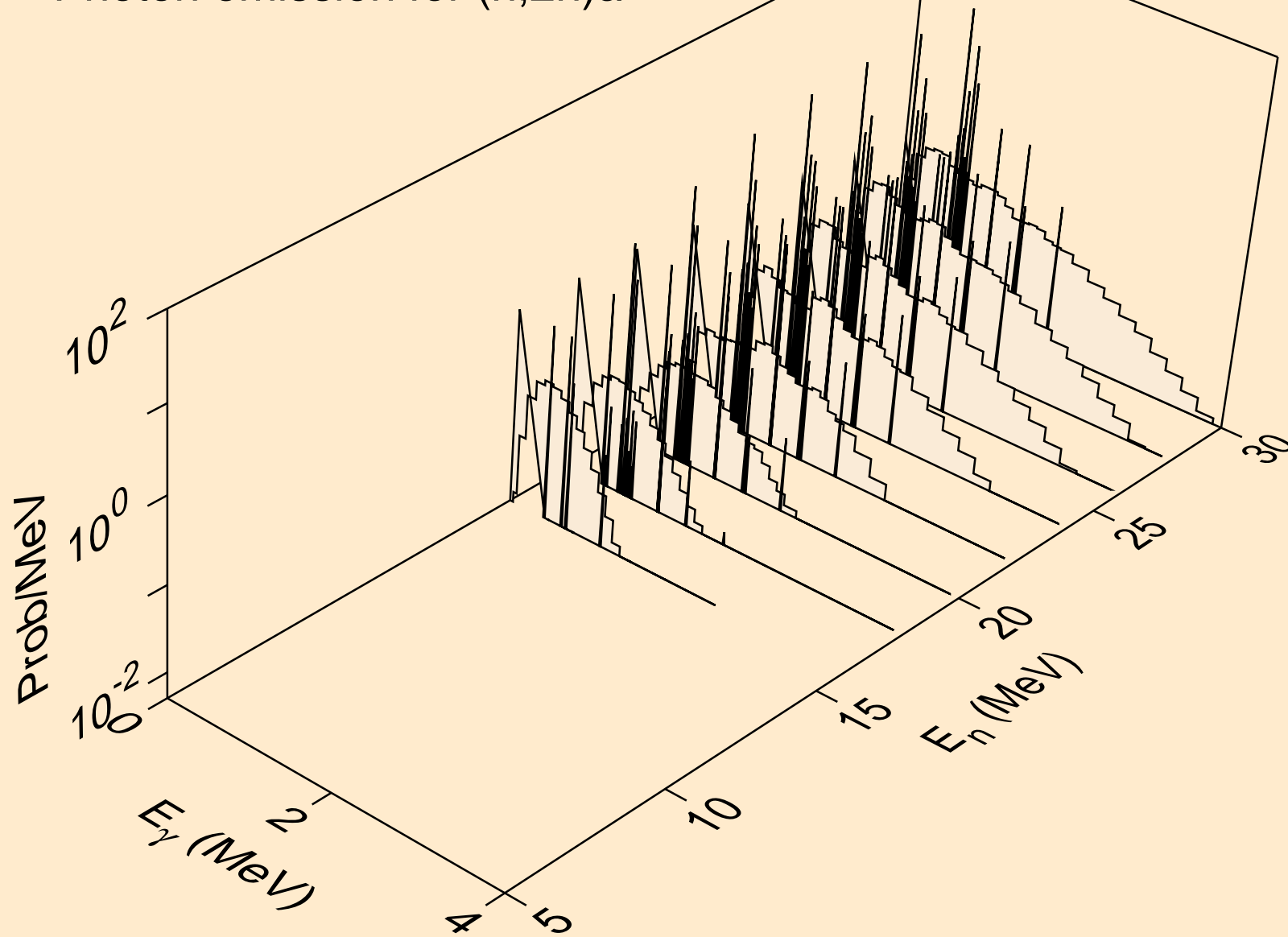
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)



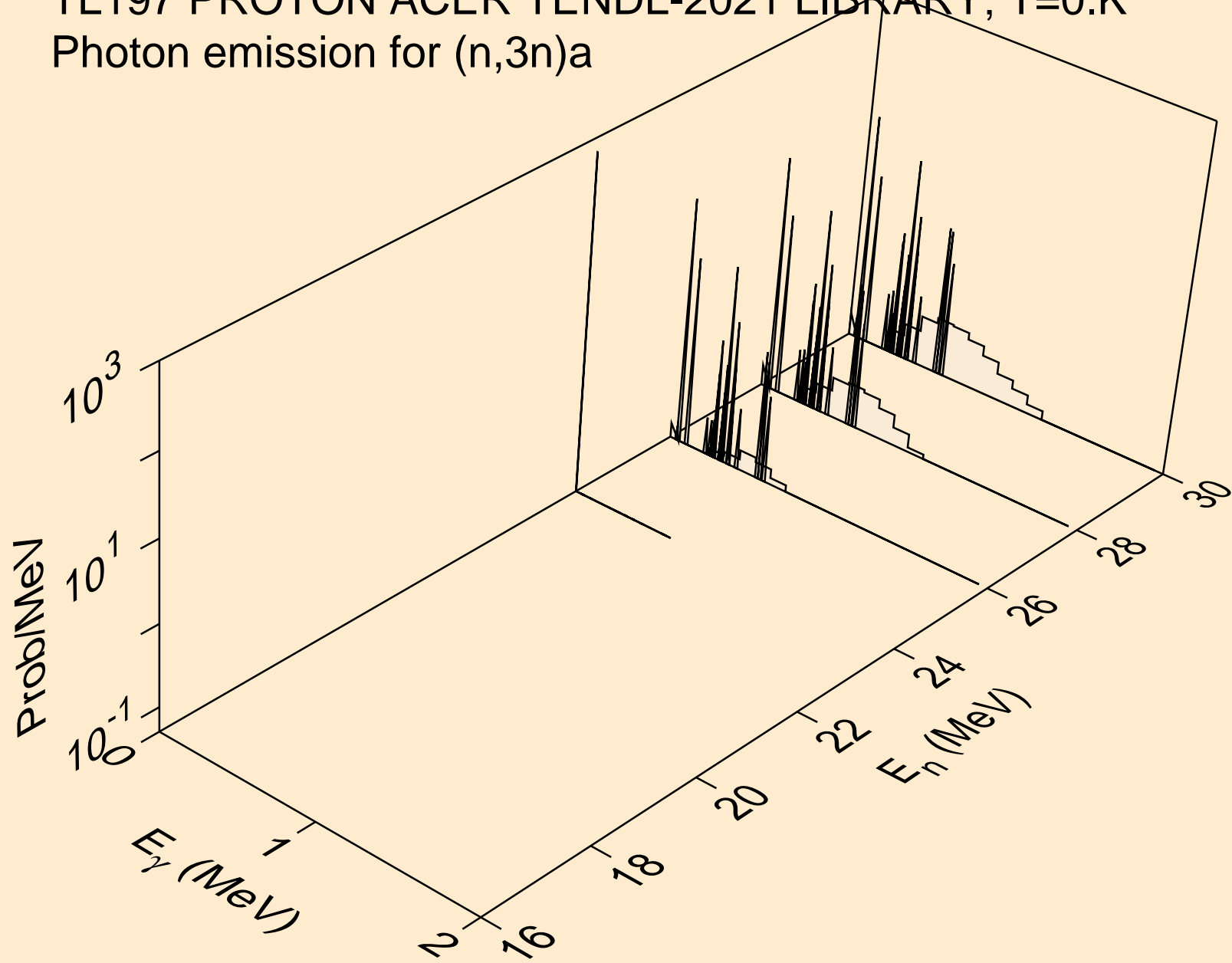
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



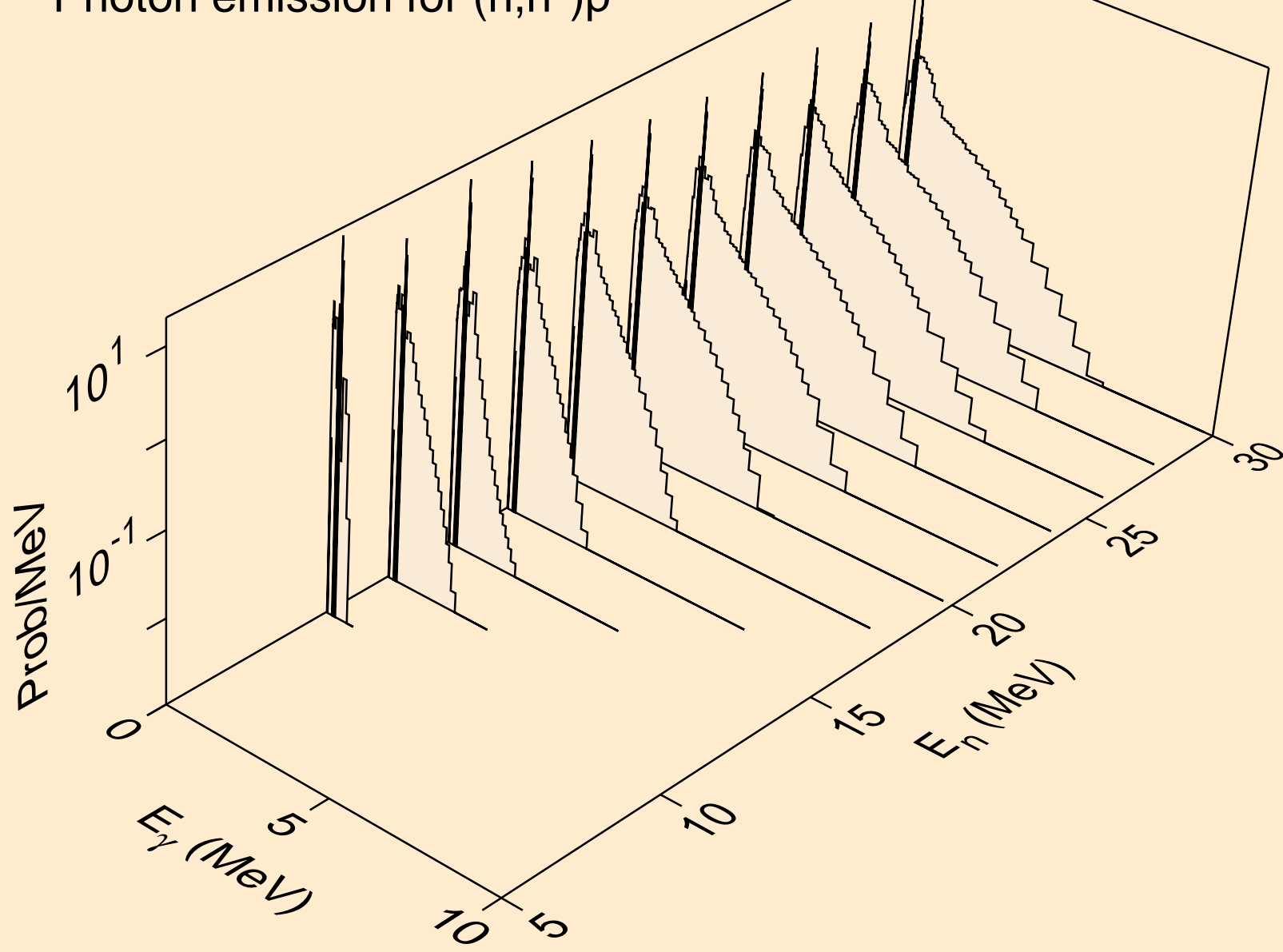
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)a



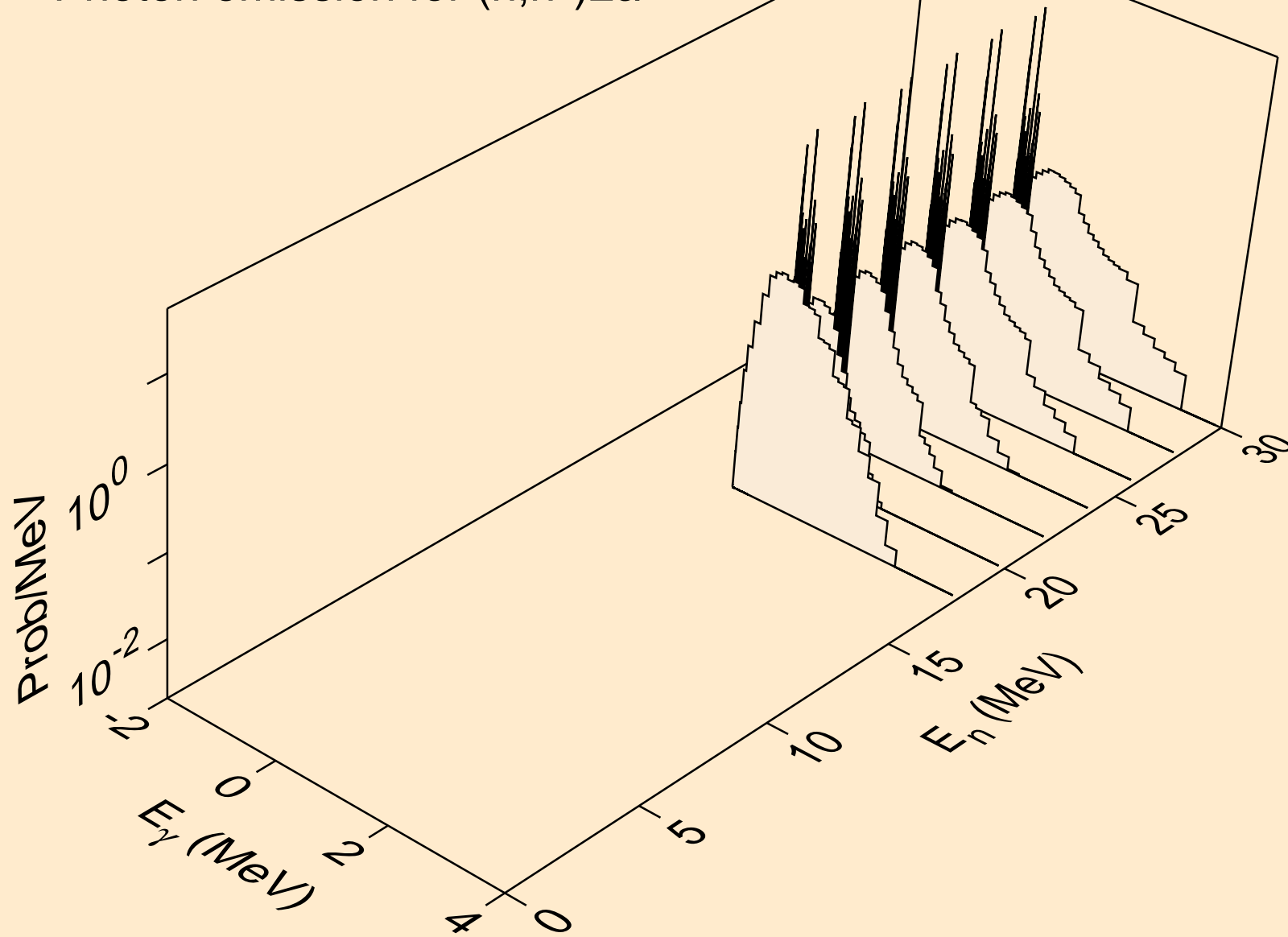
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Photon emission for (n,3n)a



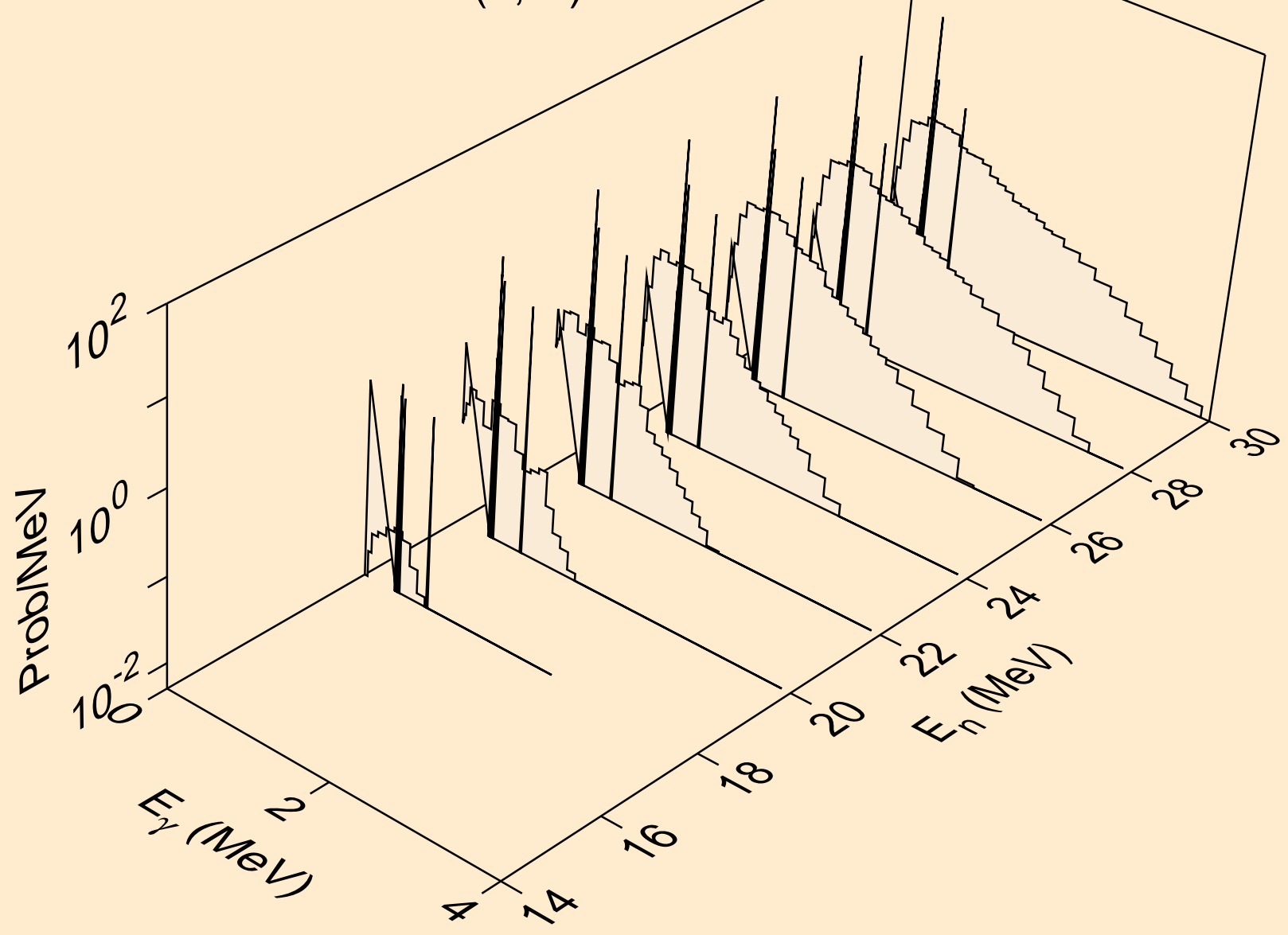
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



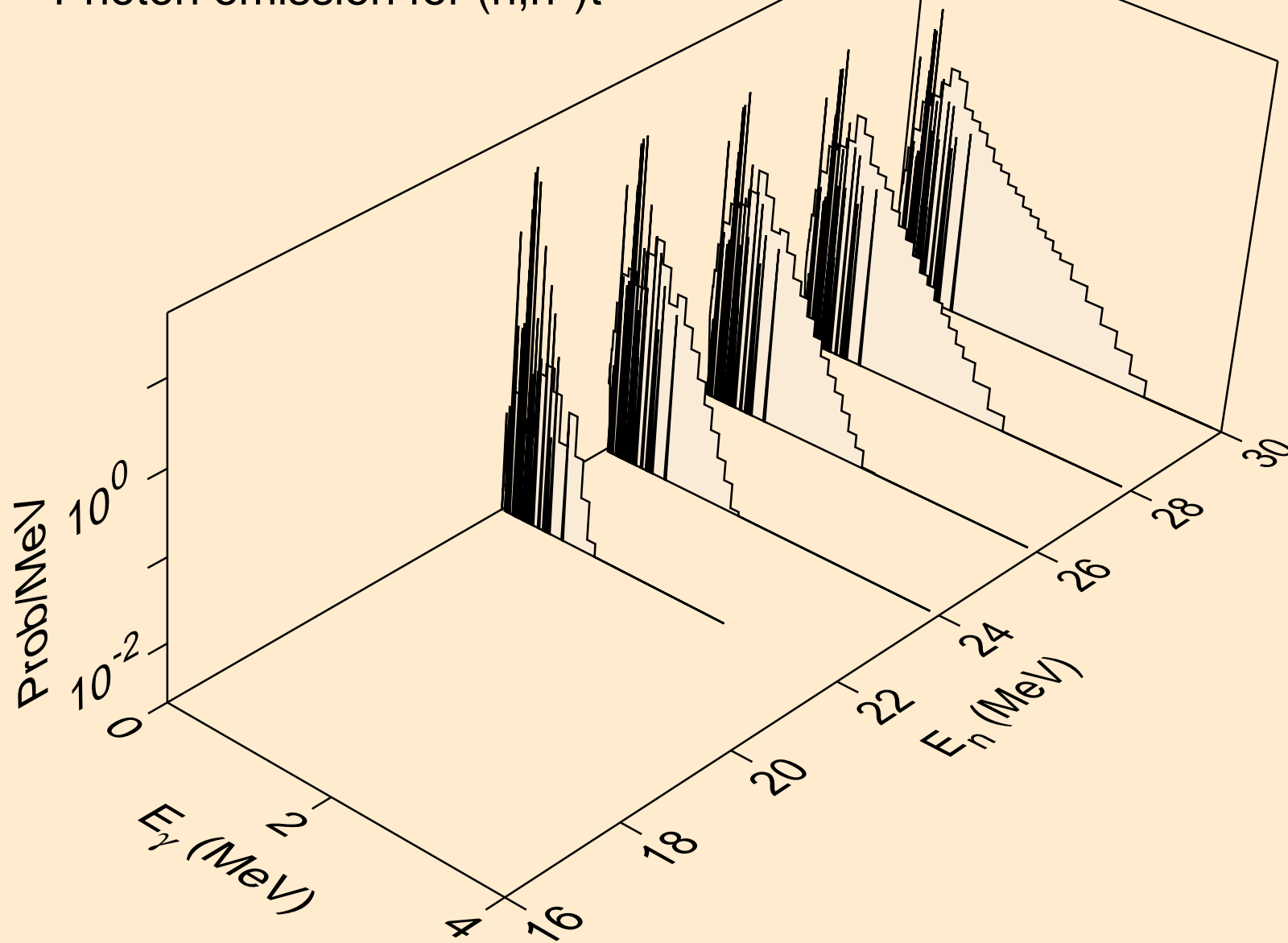
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

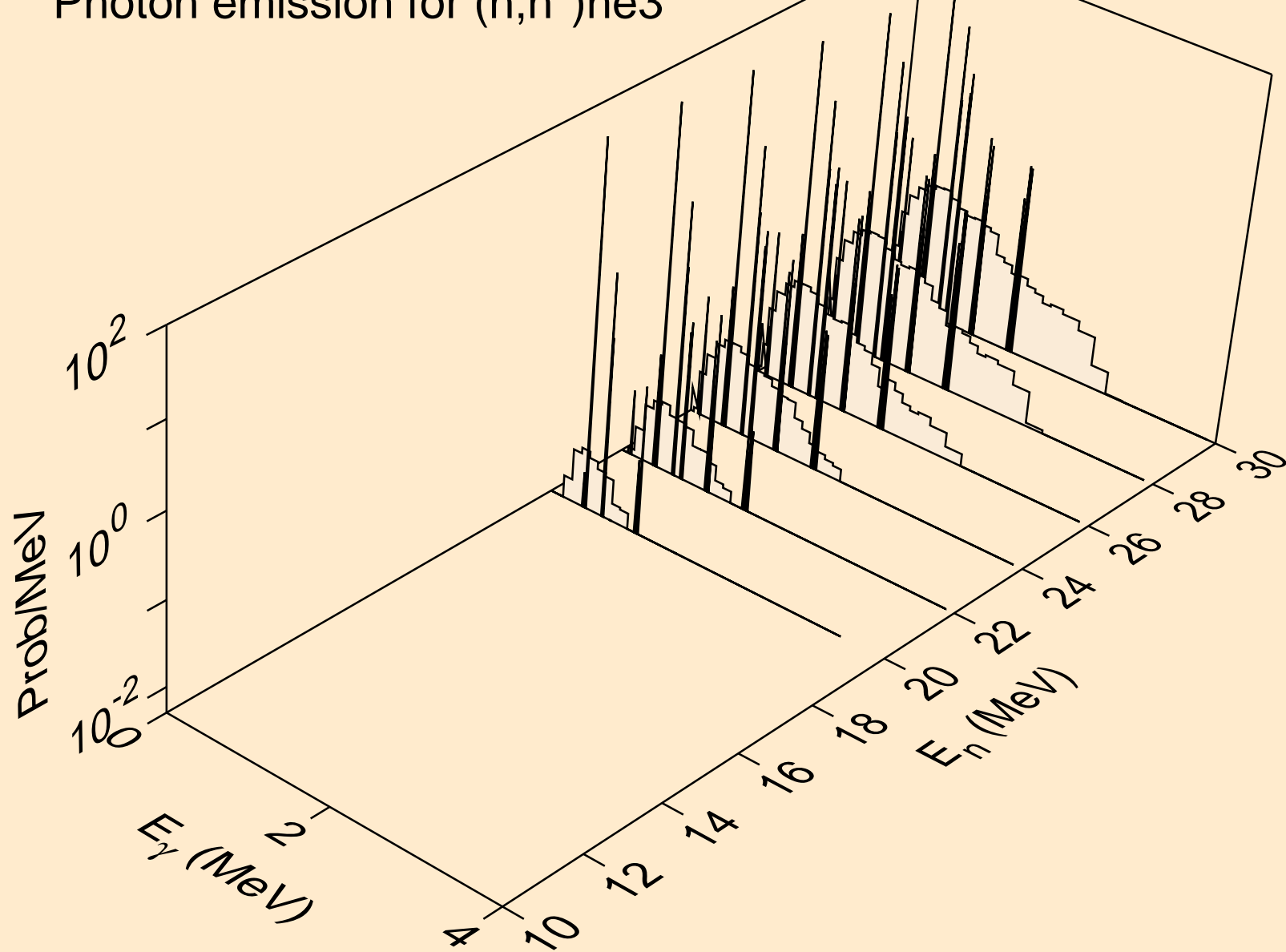


TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

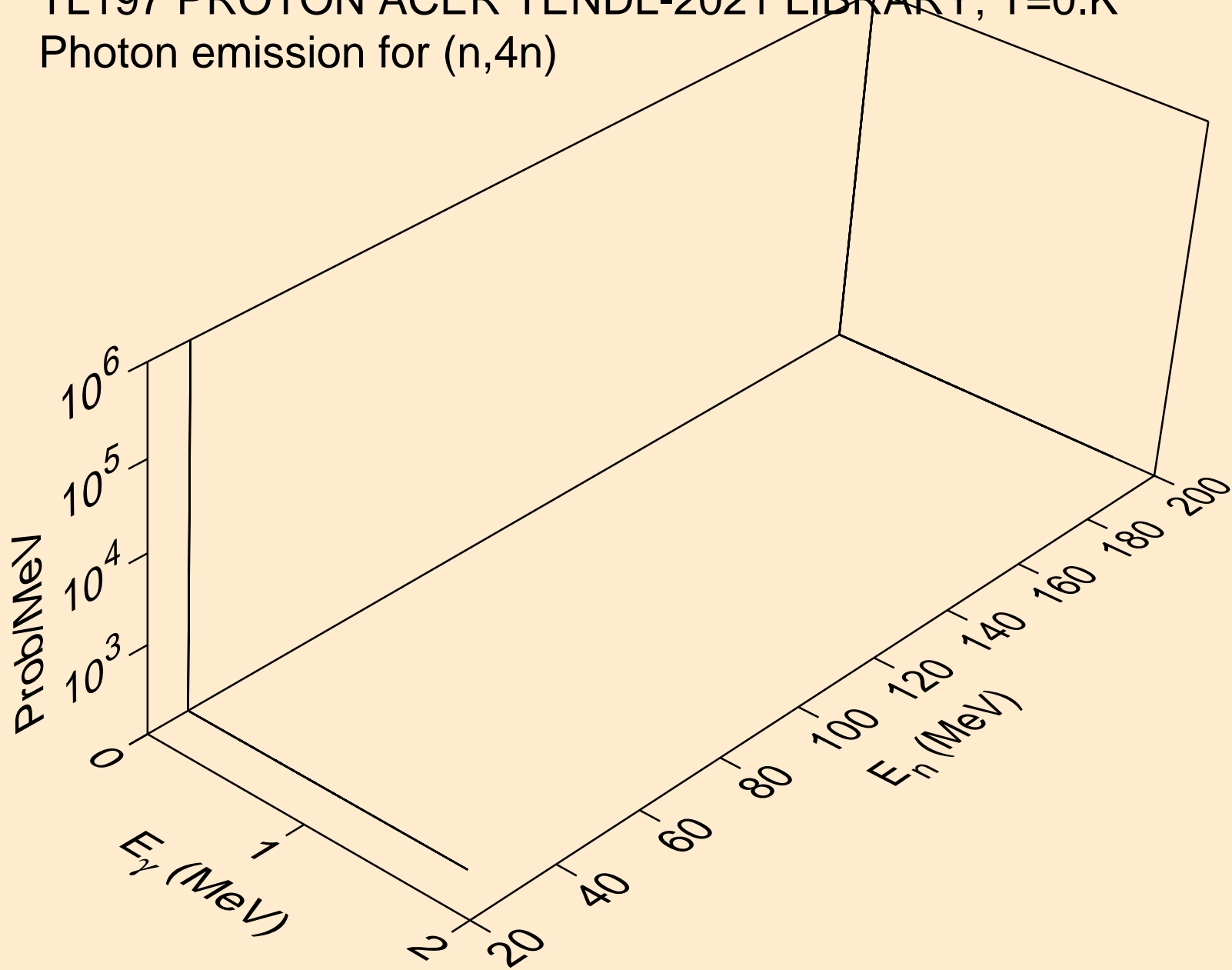




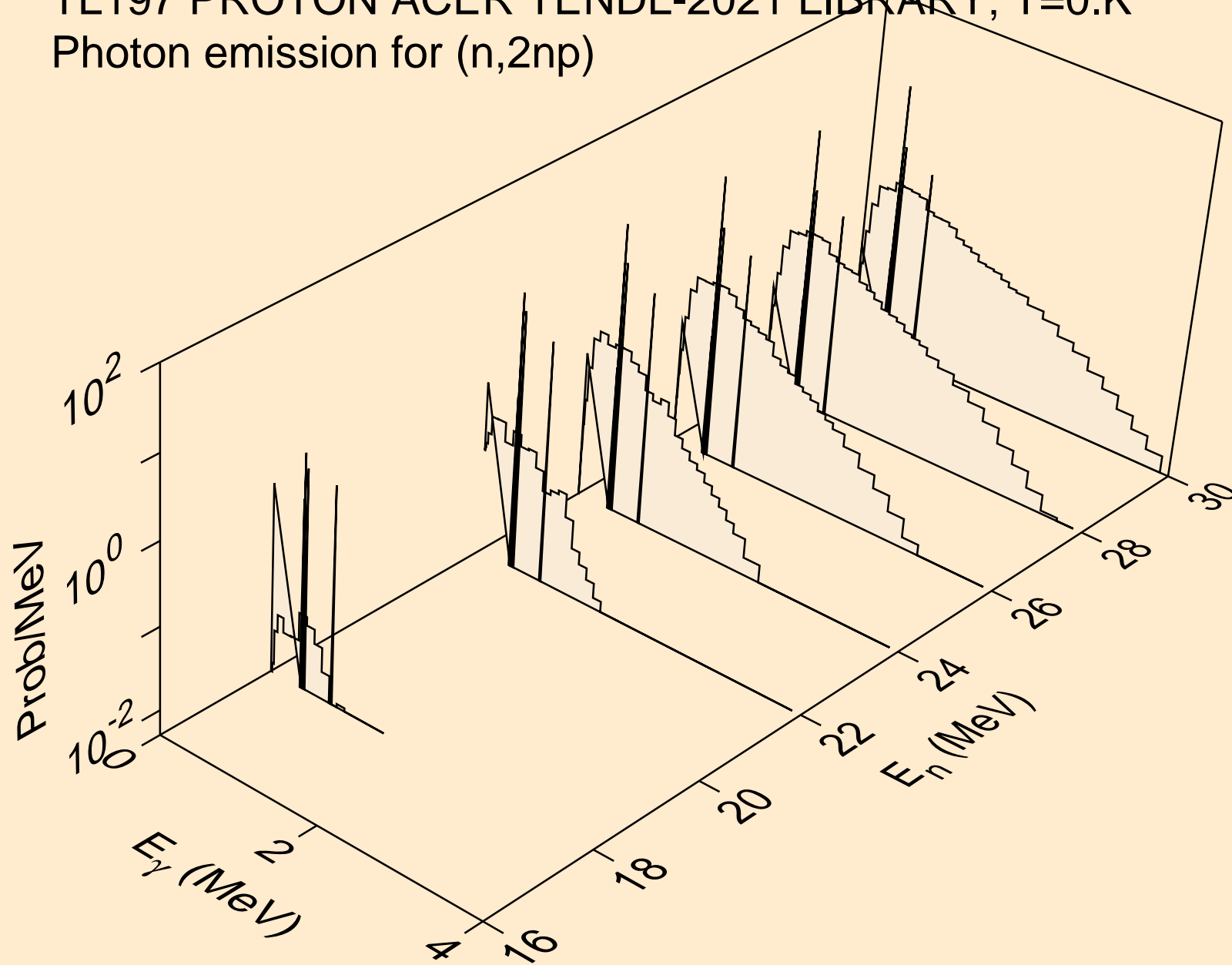
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



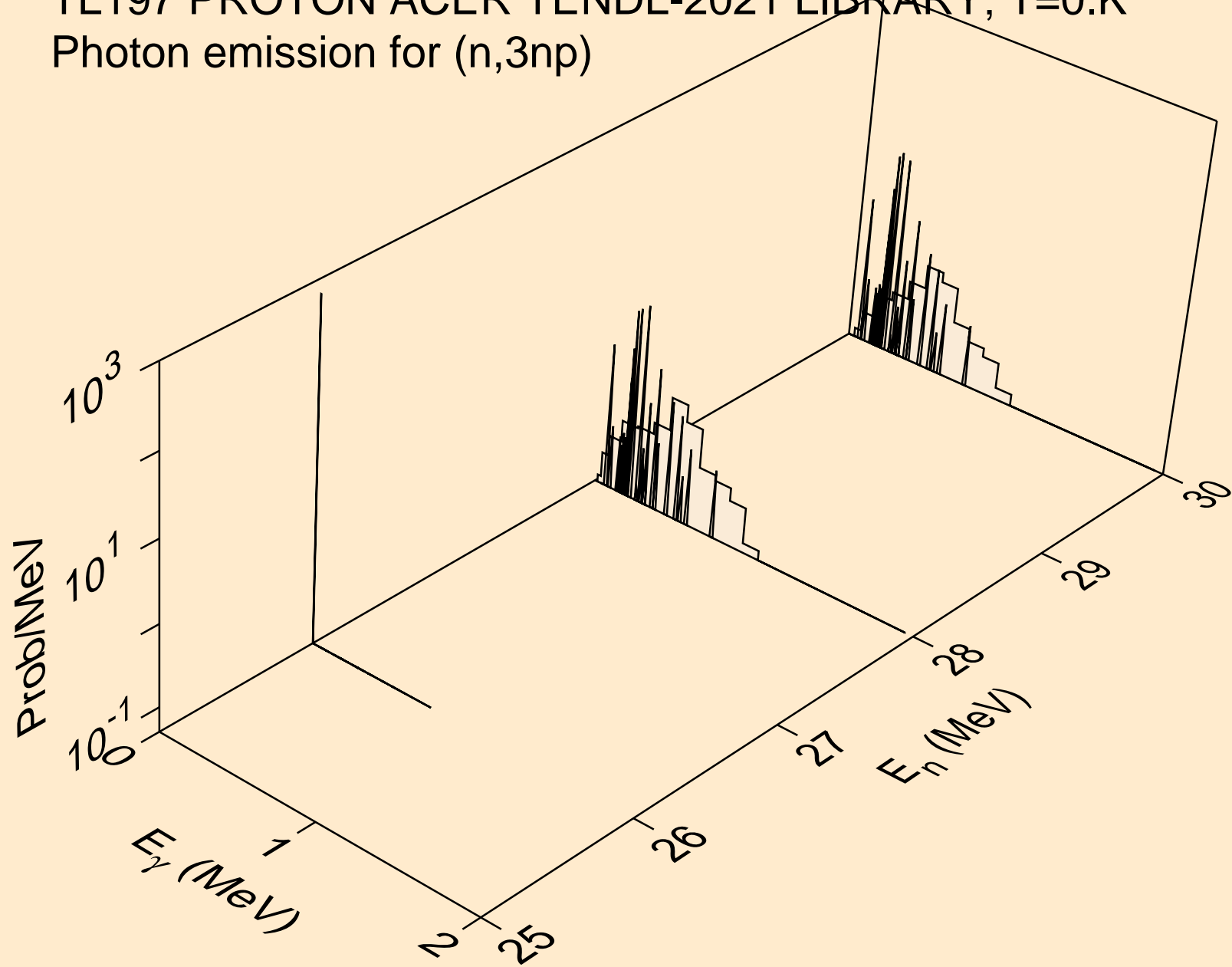
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,4n)



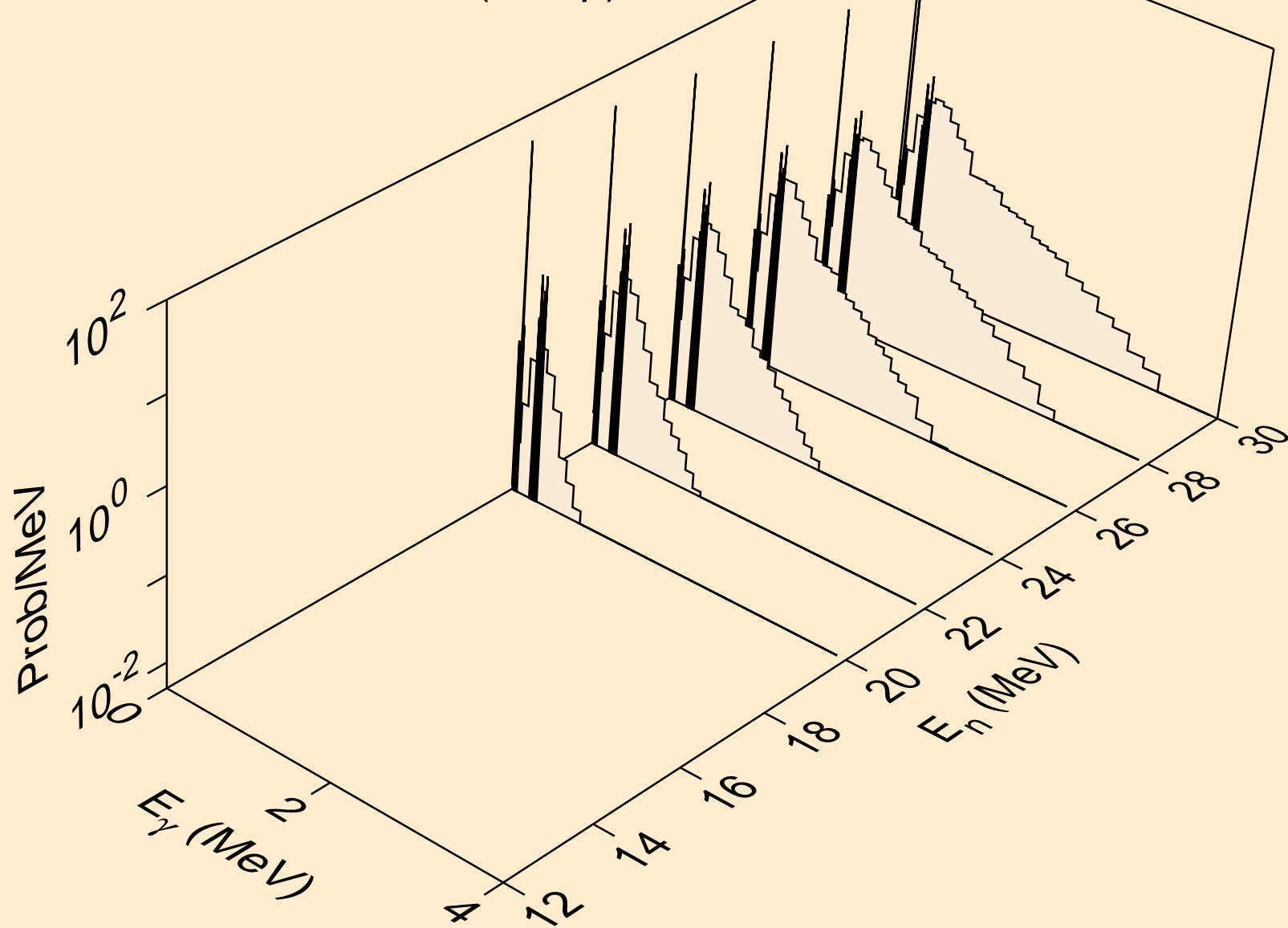
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Photon emission for (n,2np)



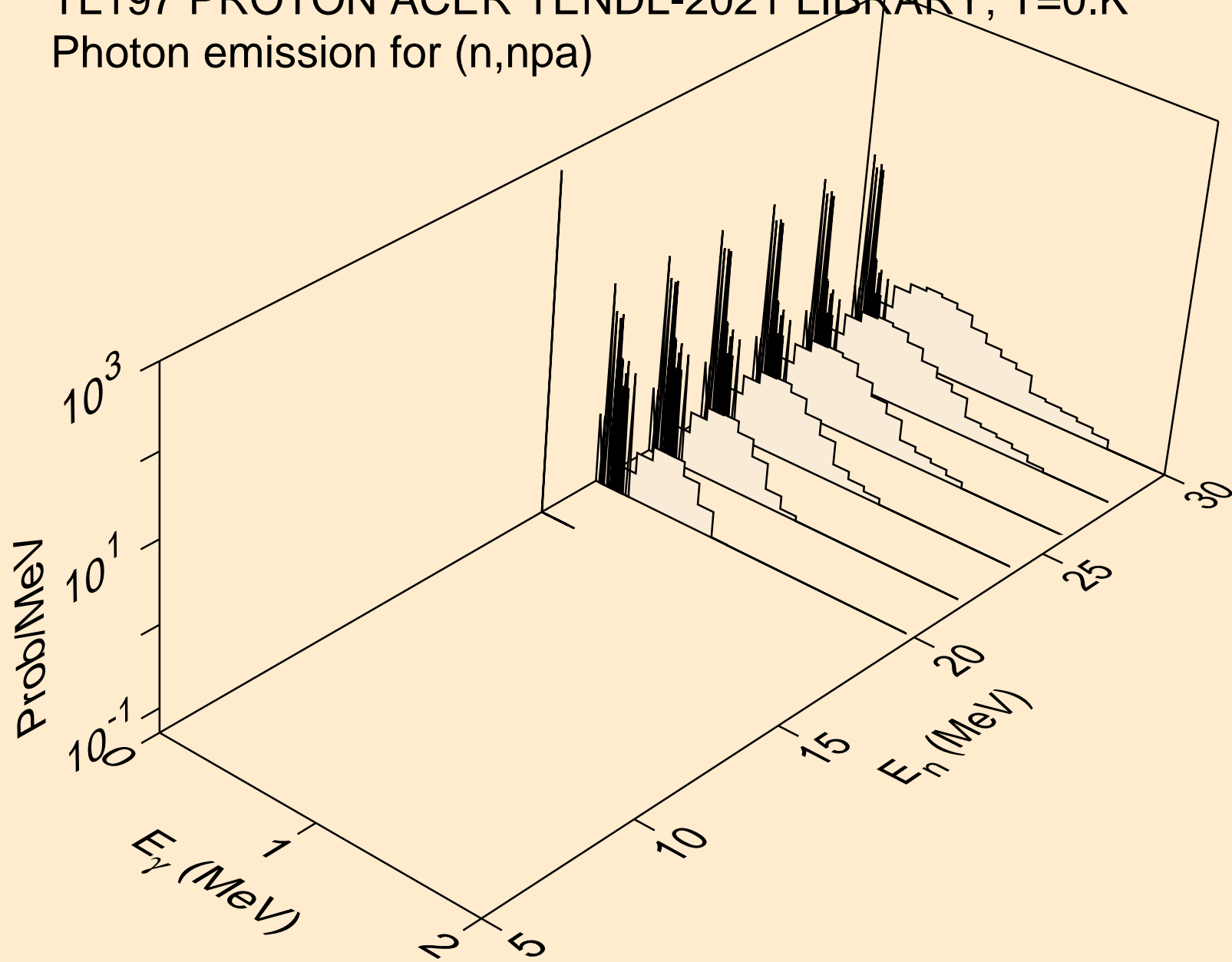
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Photon emission for (n,3np)



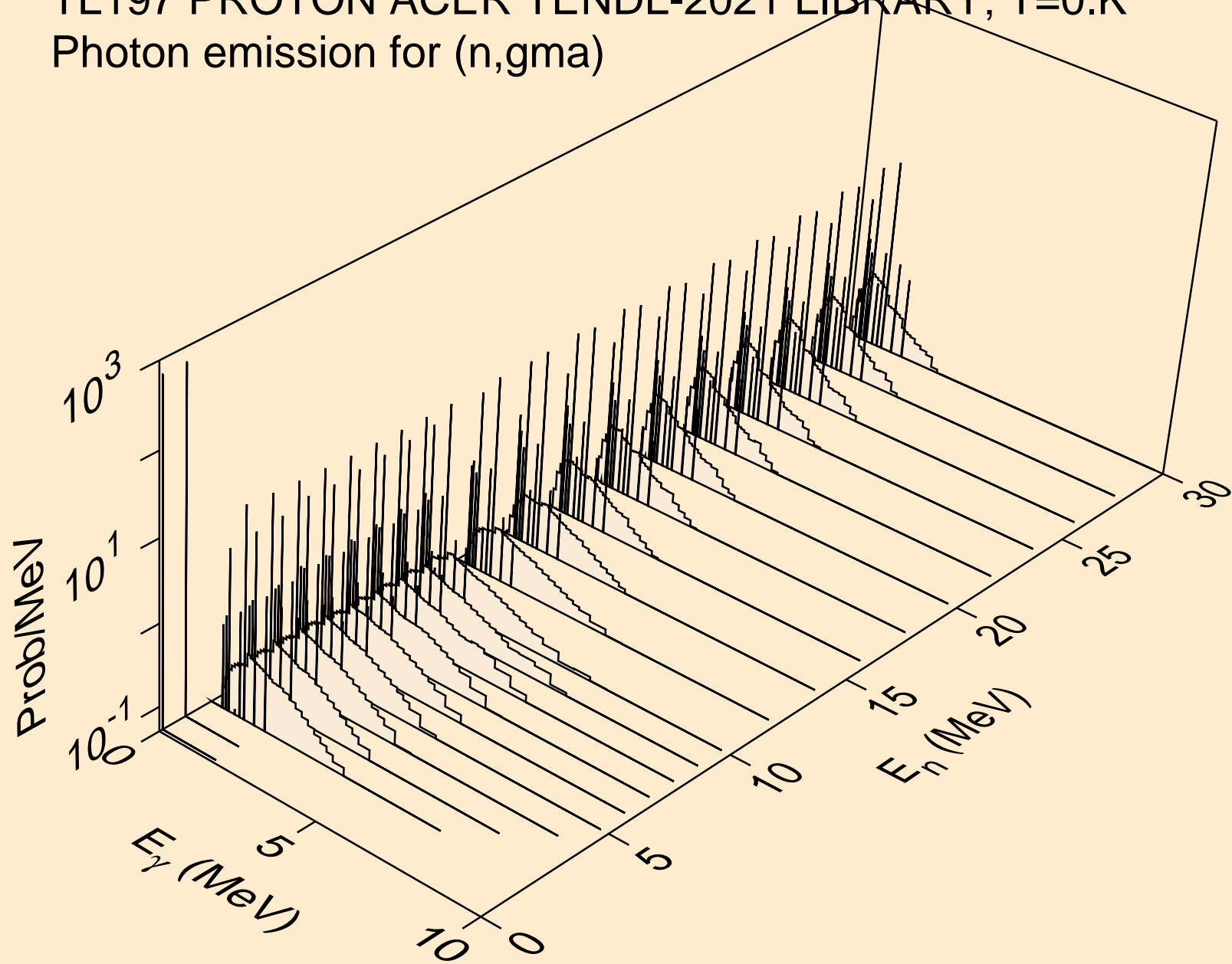
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Photon emission for (n,2np)



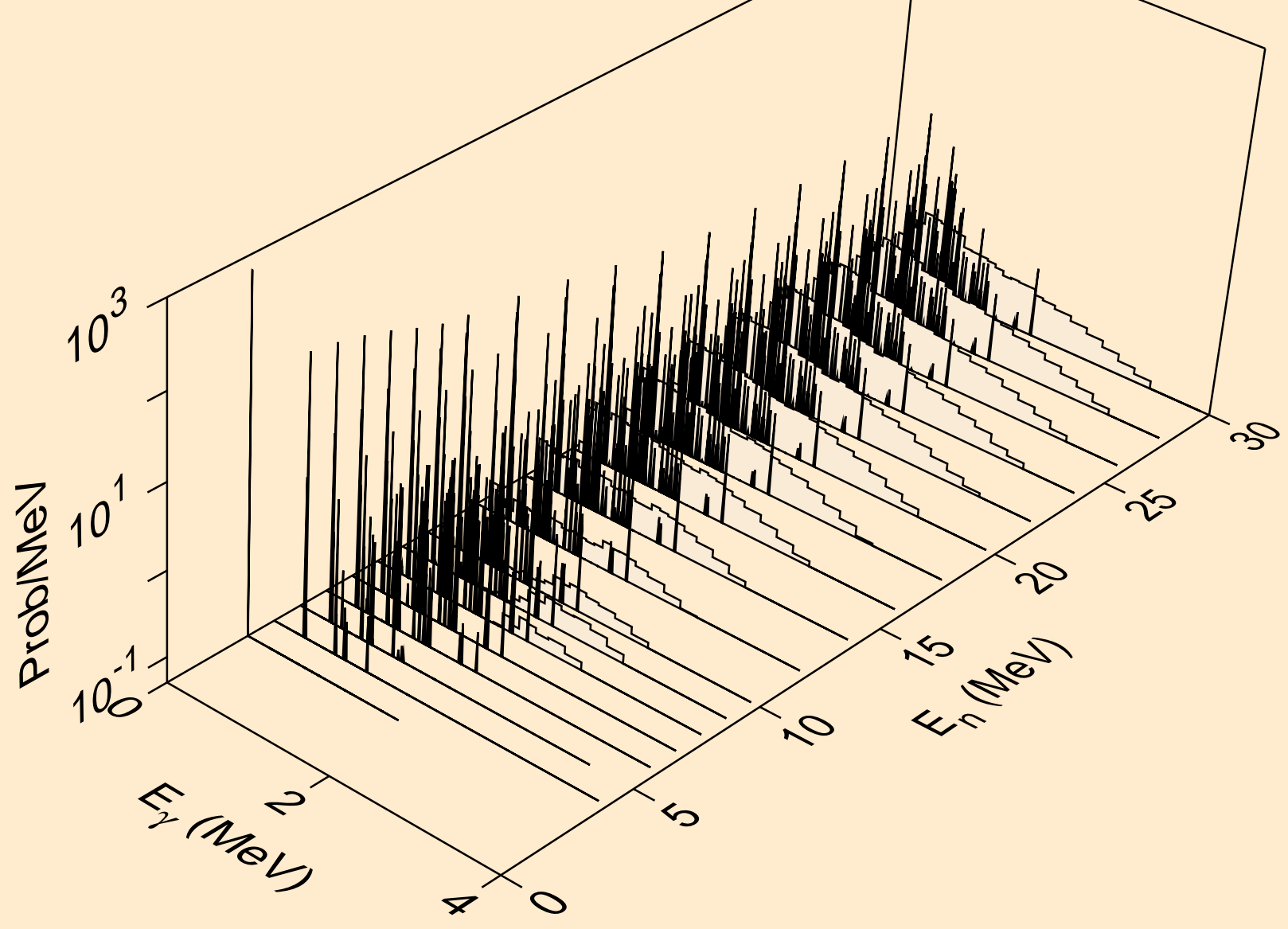
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,npa)



TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,gma)

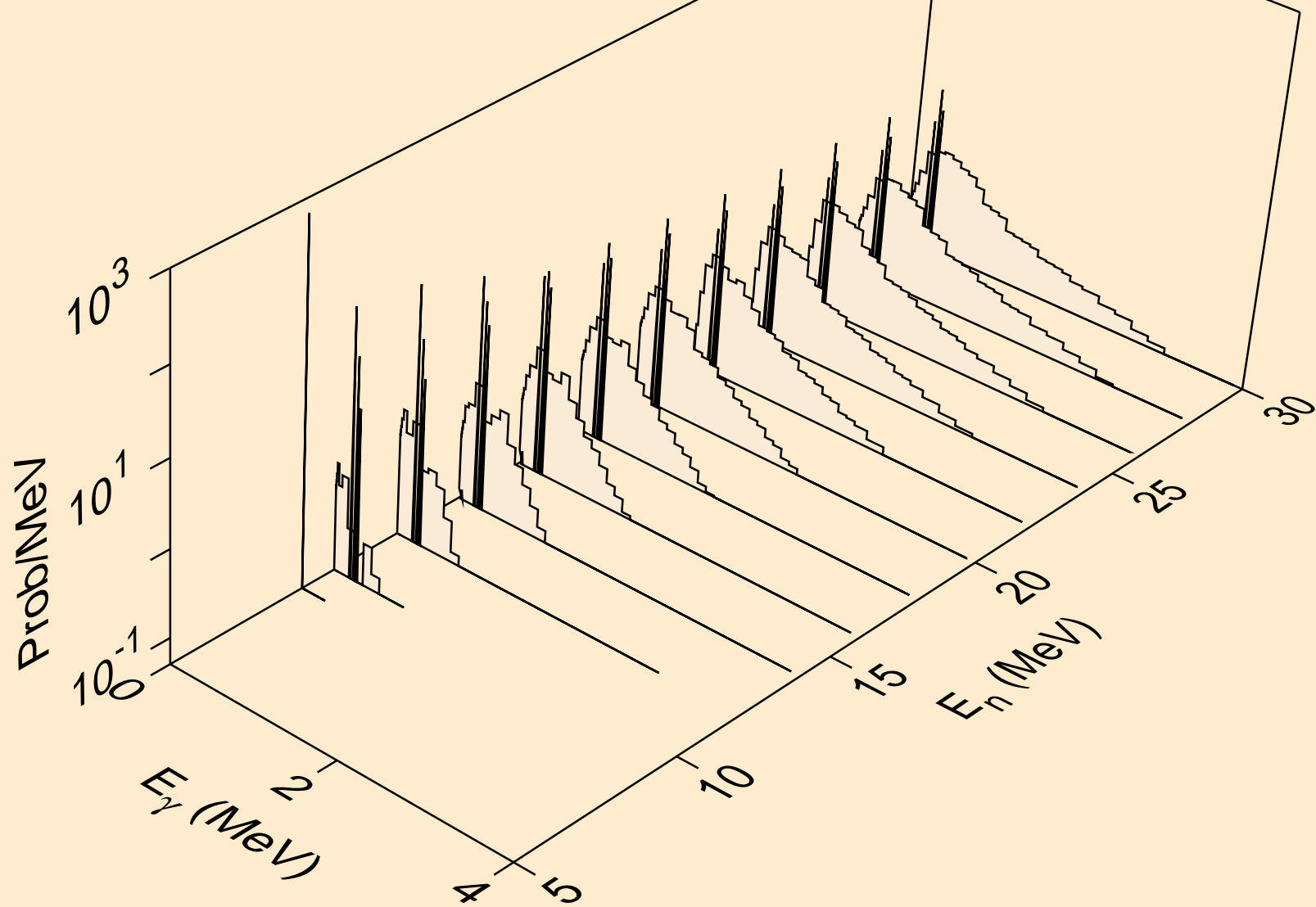


TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic

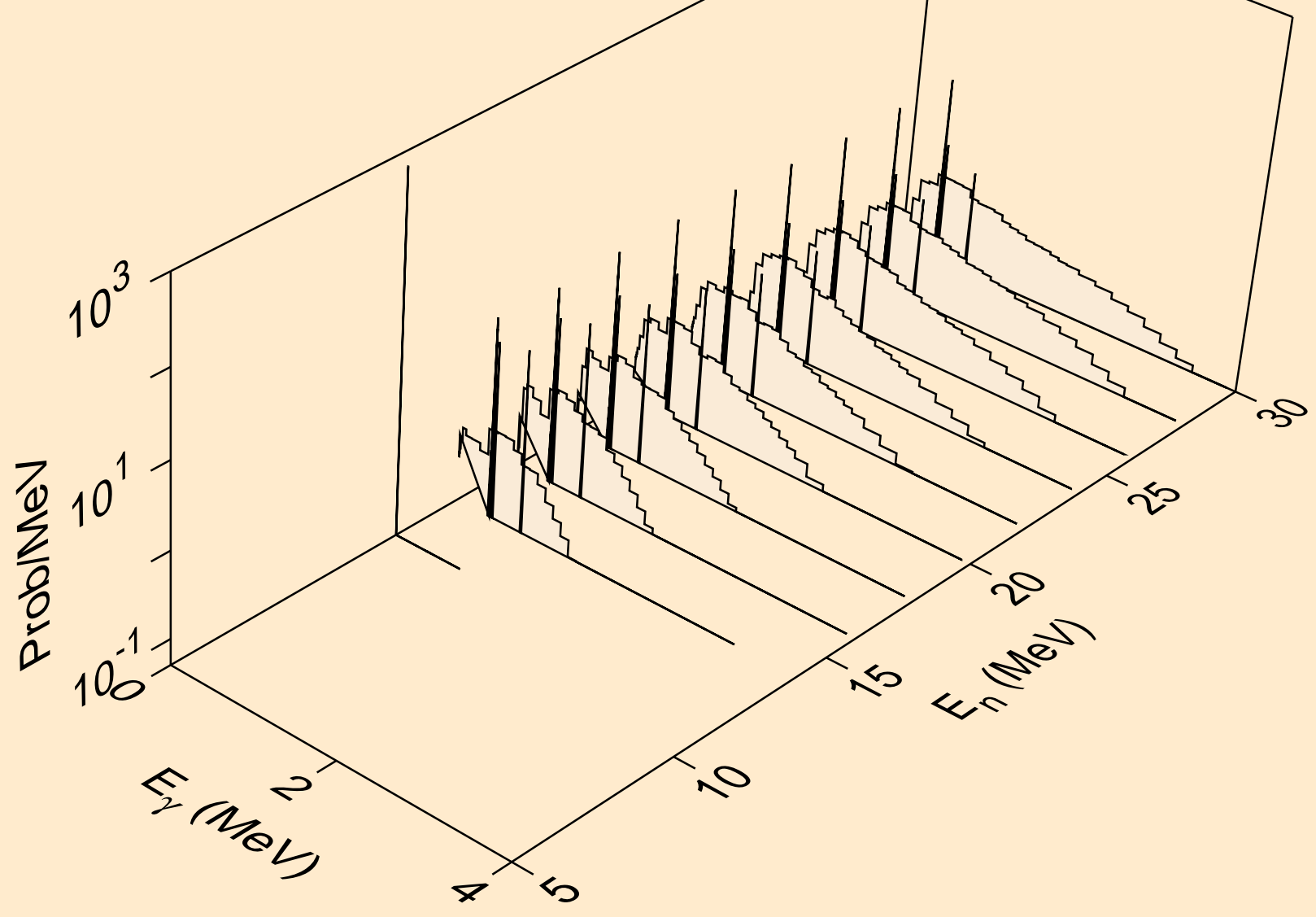




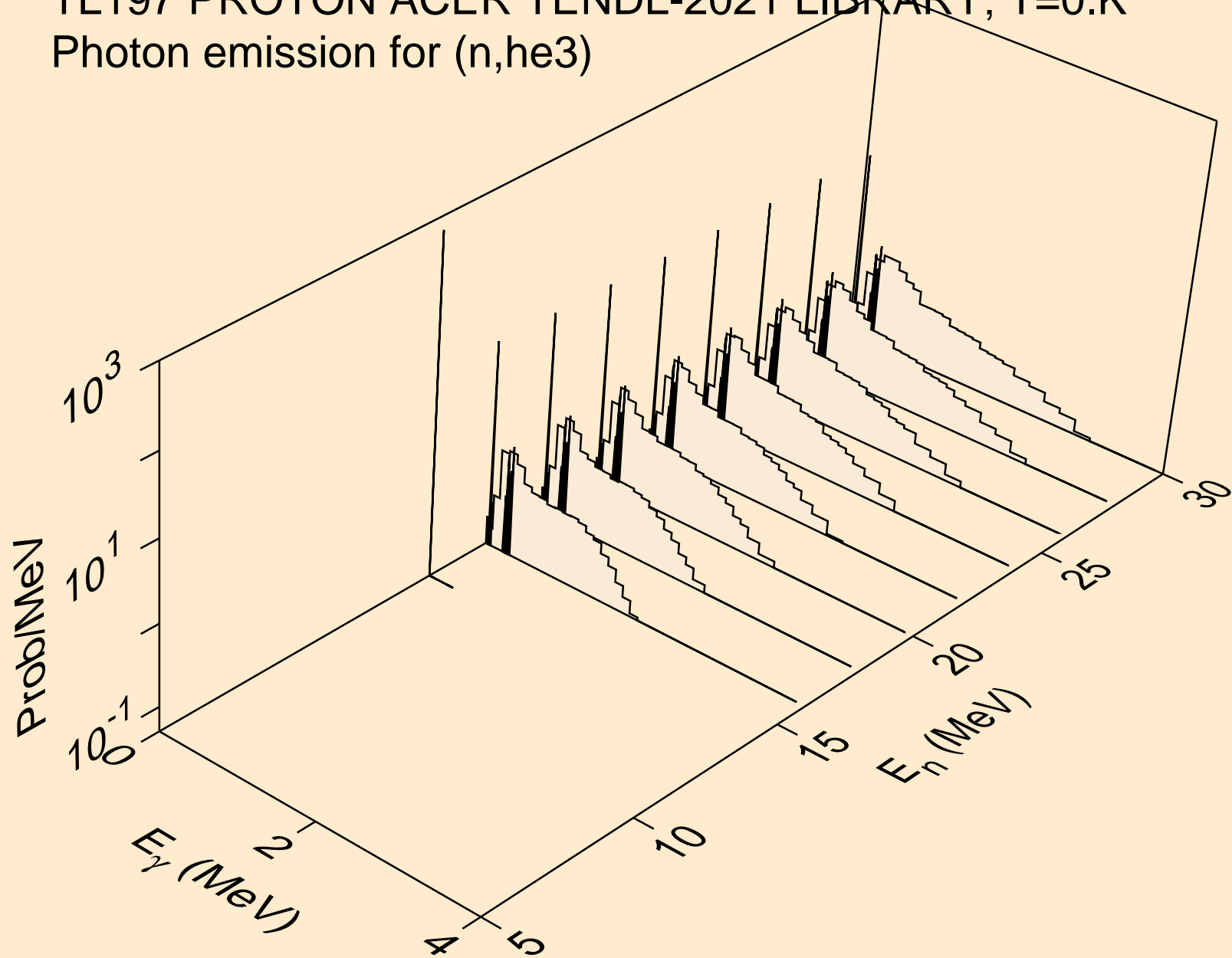
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Photon emission for (n,d)



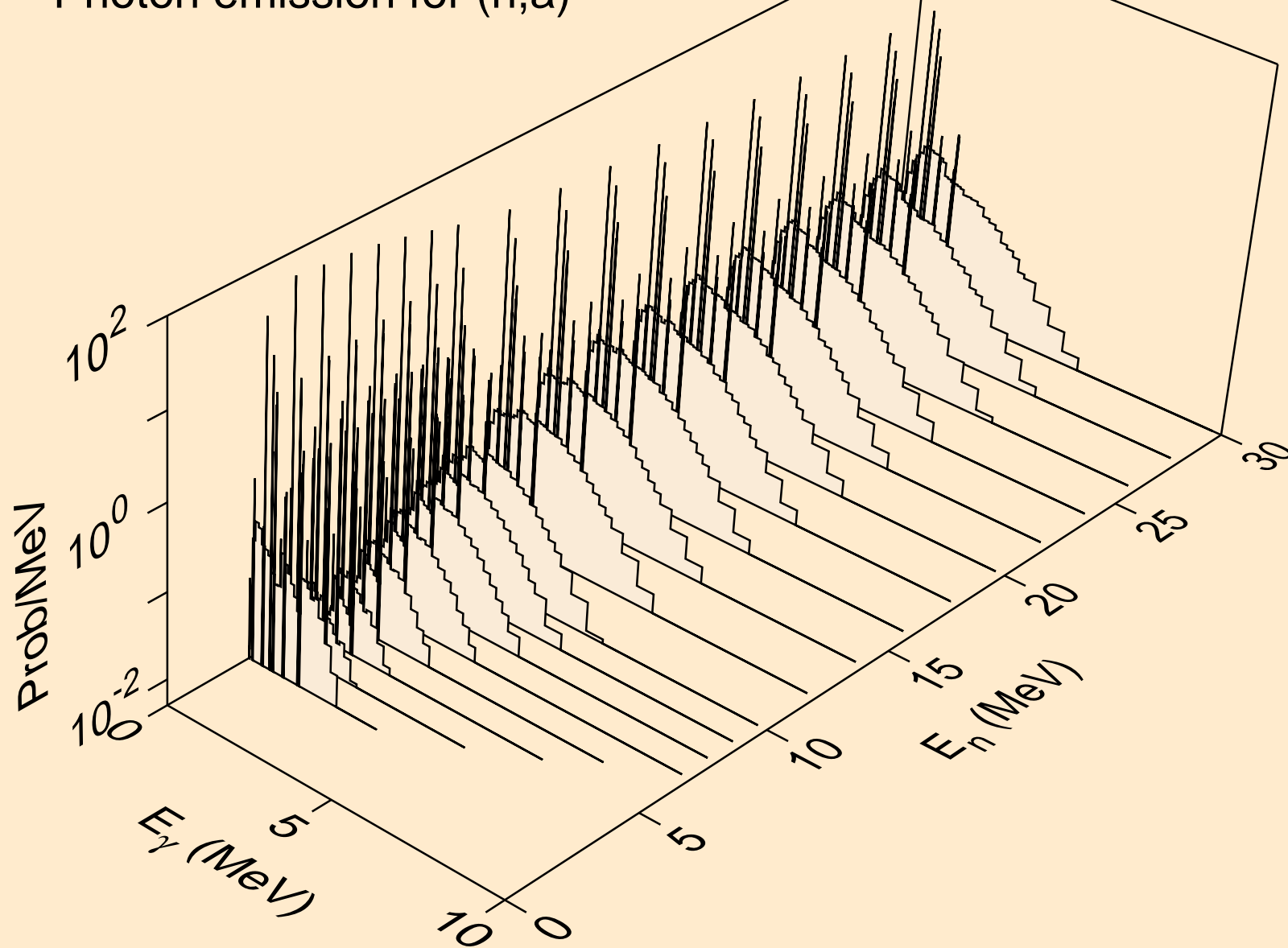
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,t)



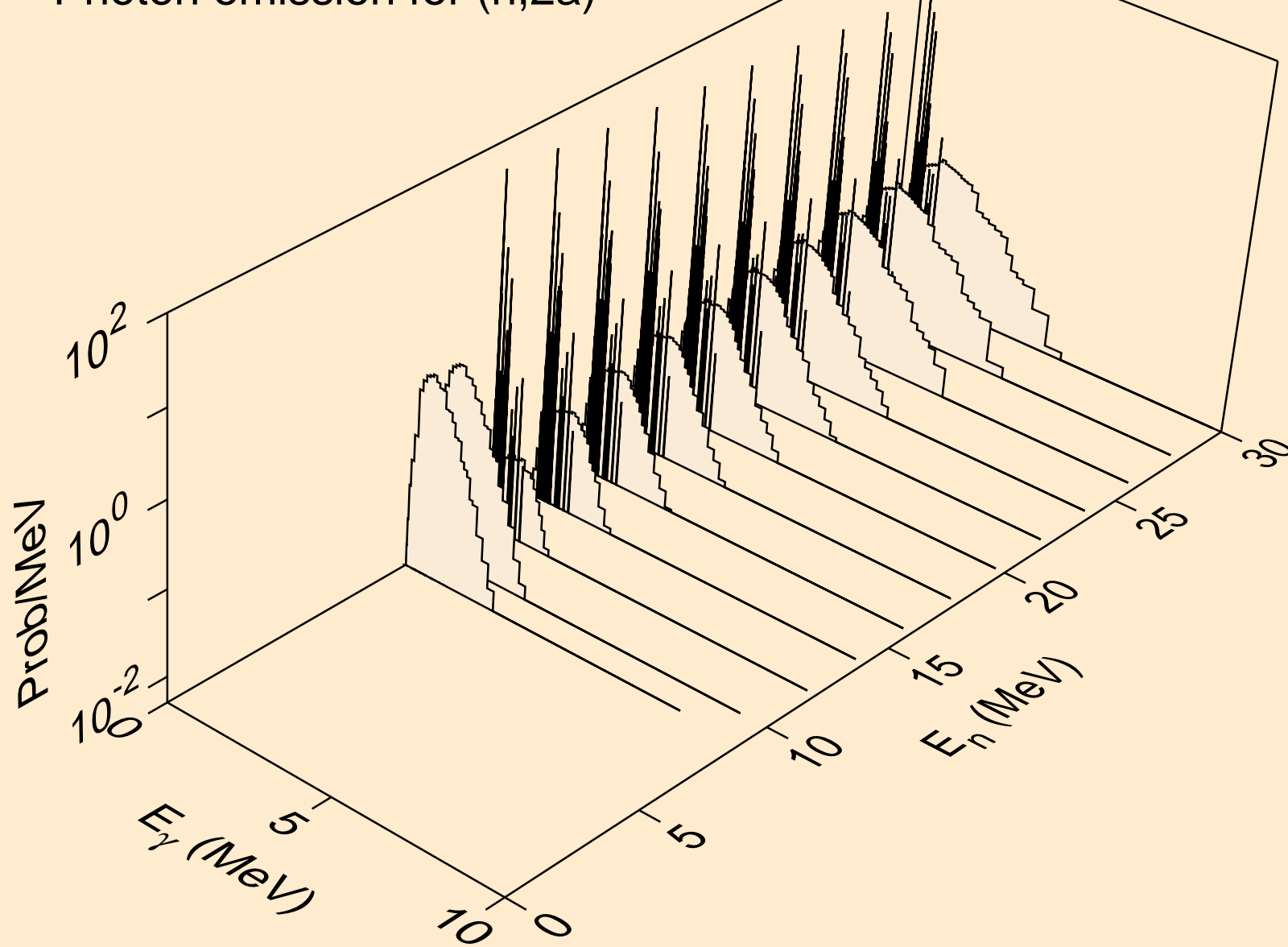
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Photon emission for (n,he3)



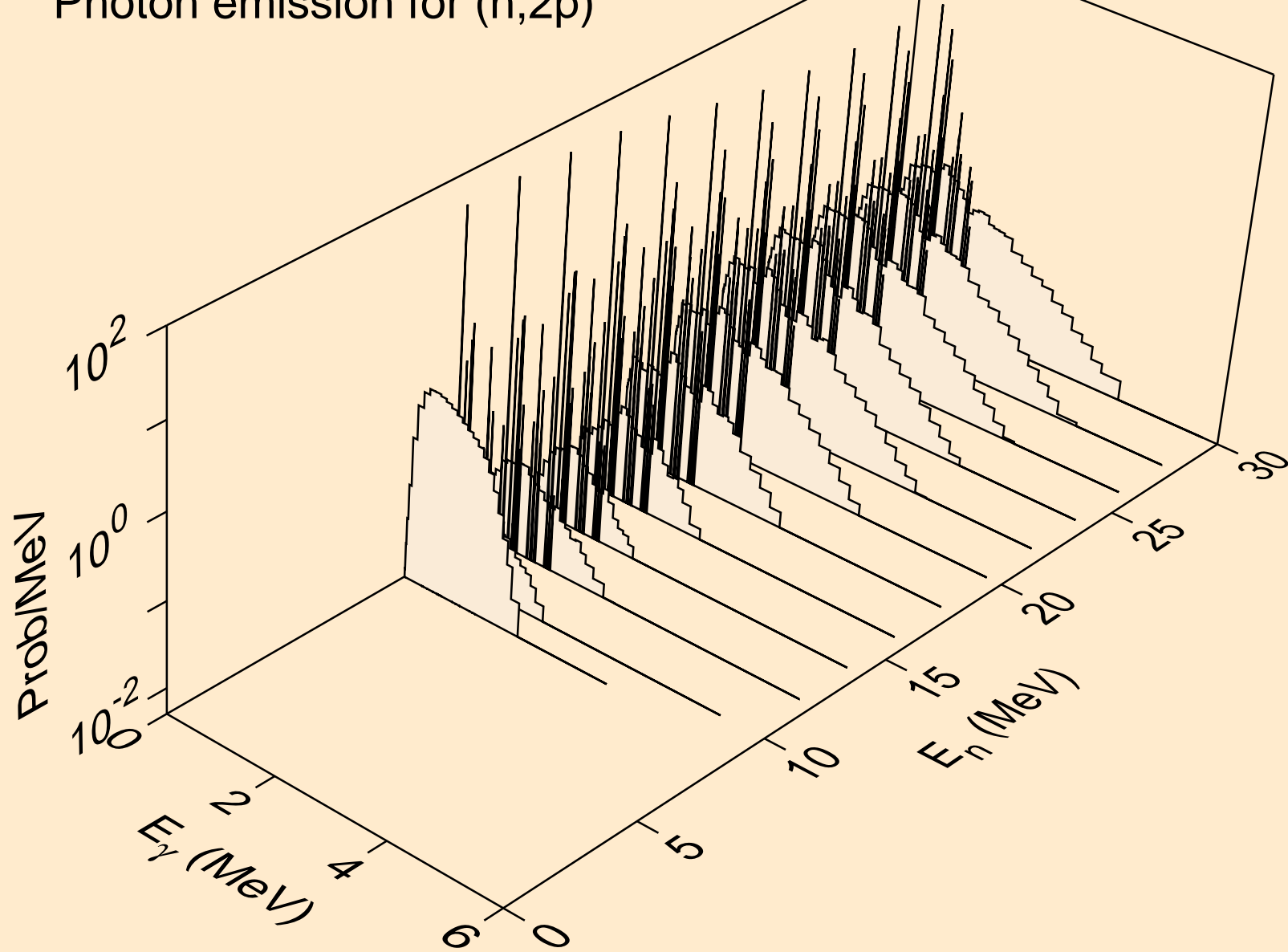
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Photon emission for (n,a)



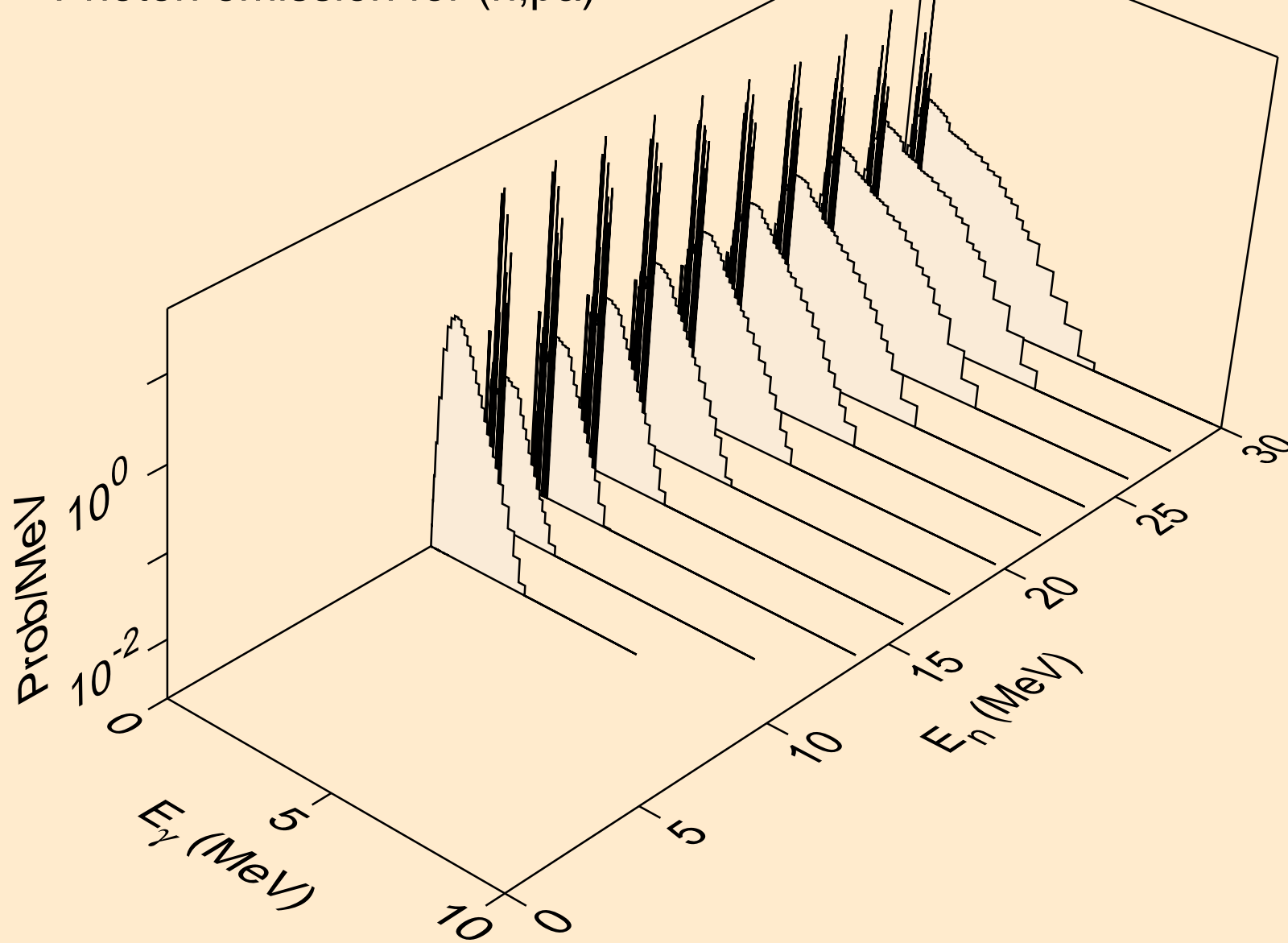
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2a)



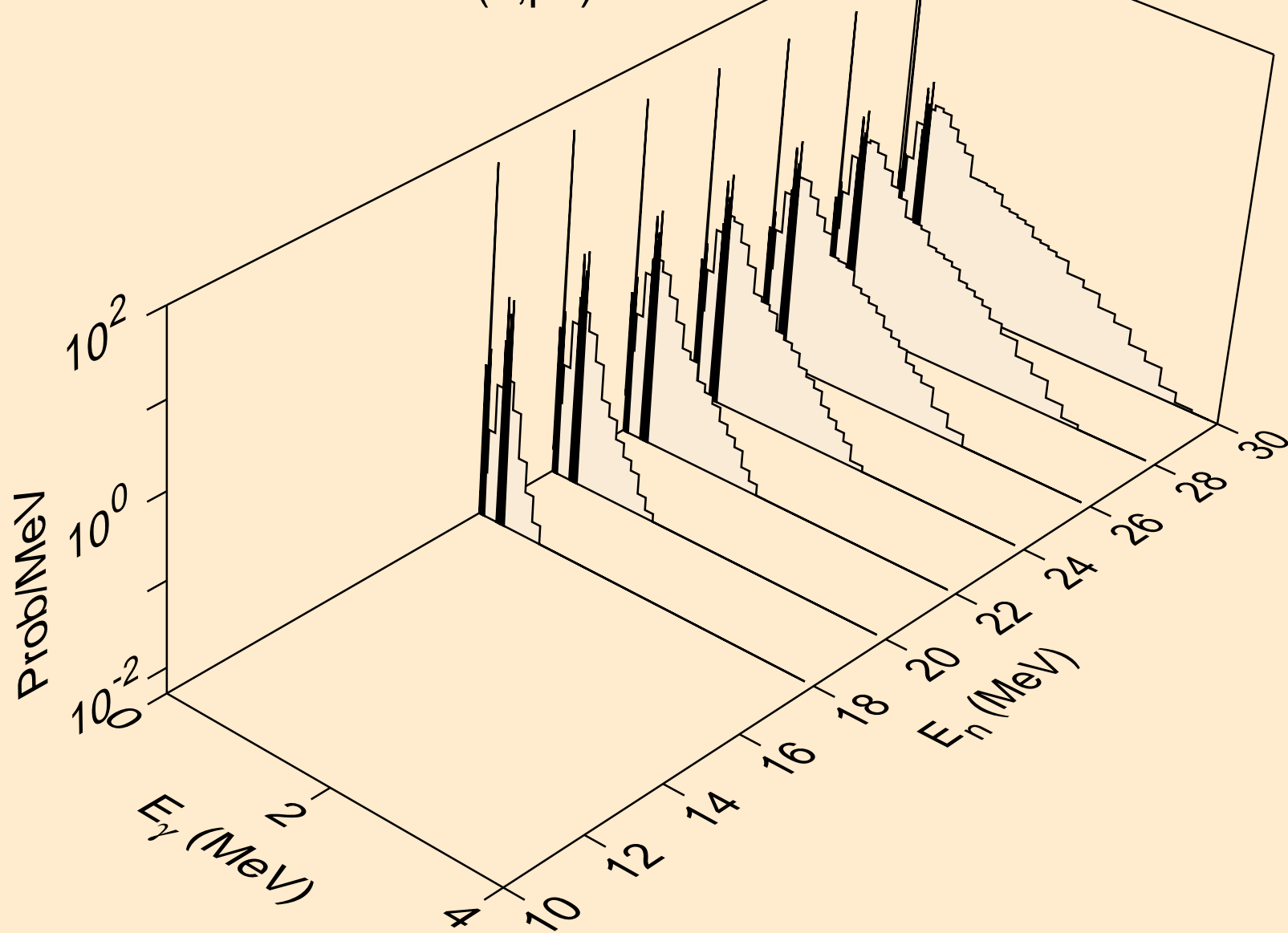
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)



TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pa)

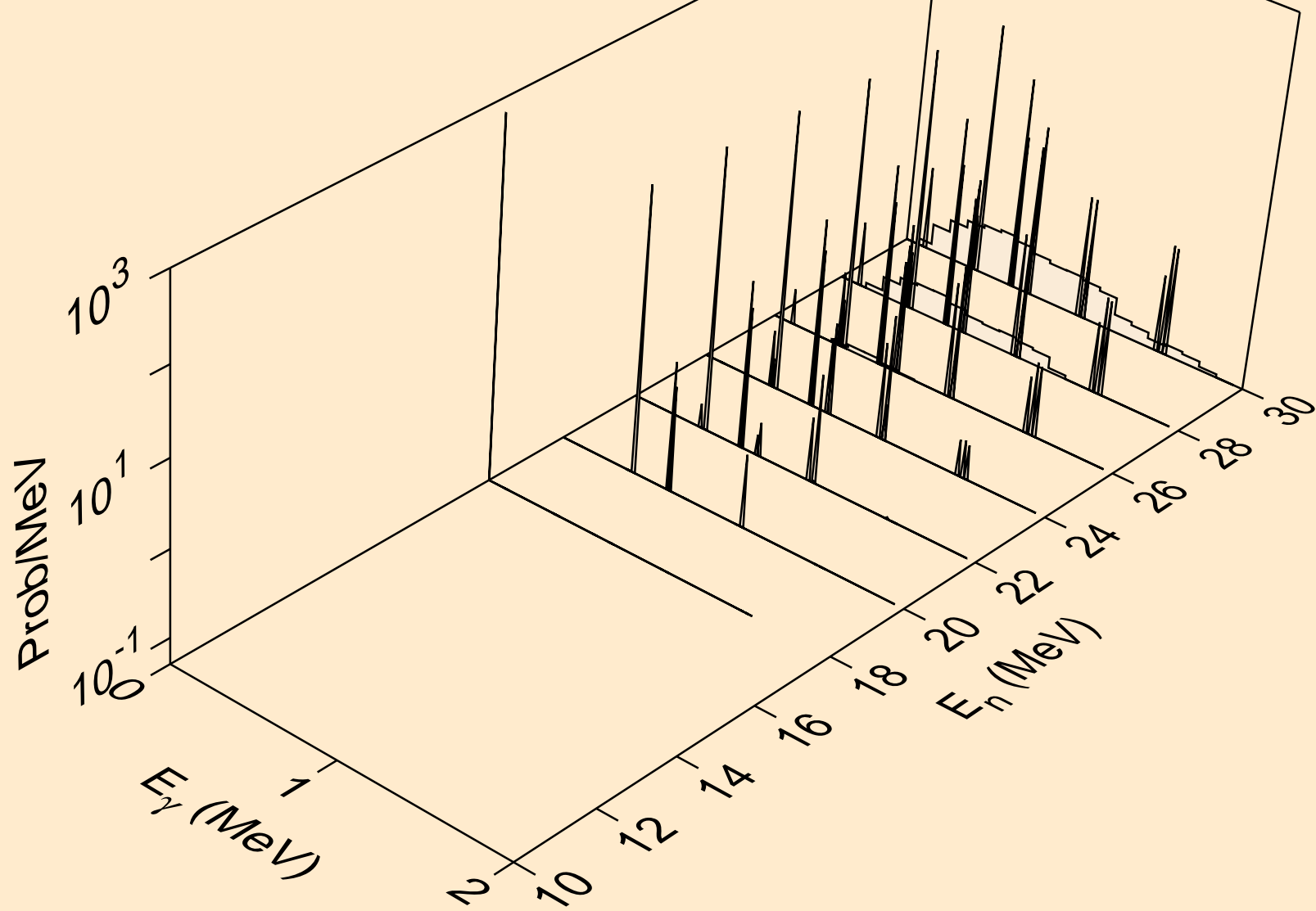


TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pd)

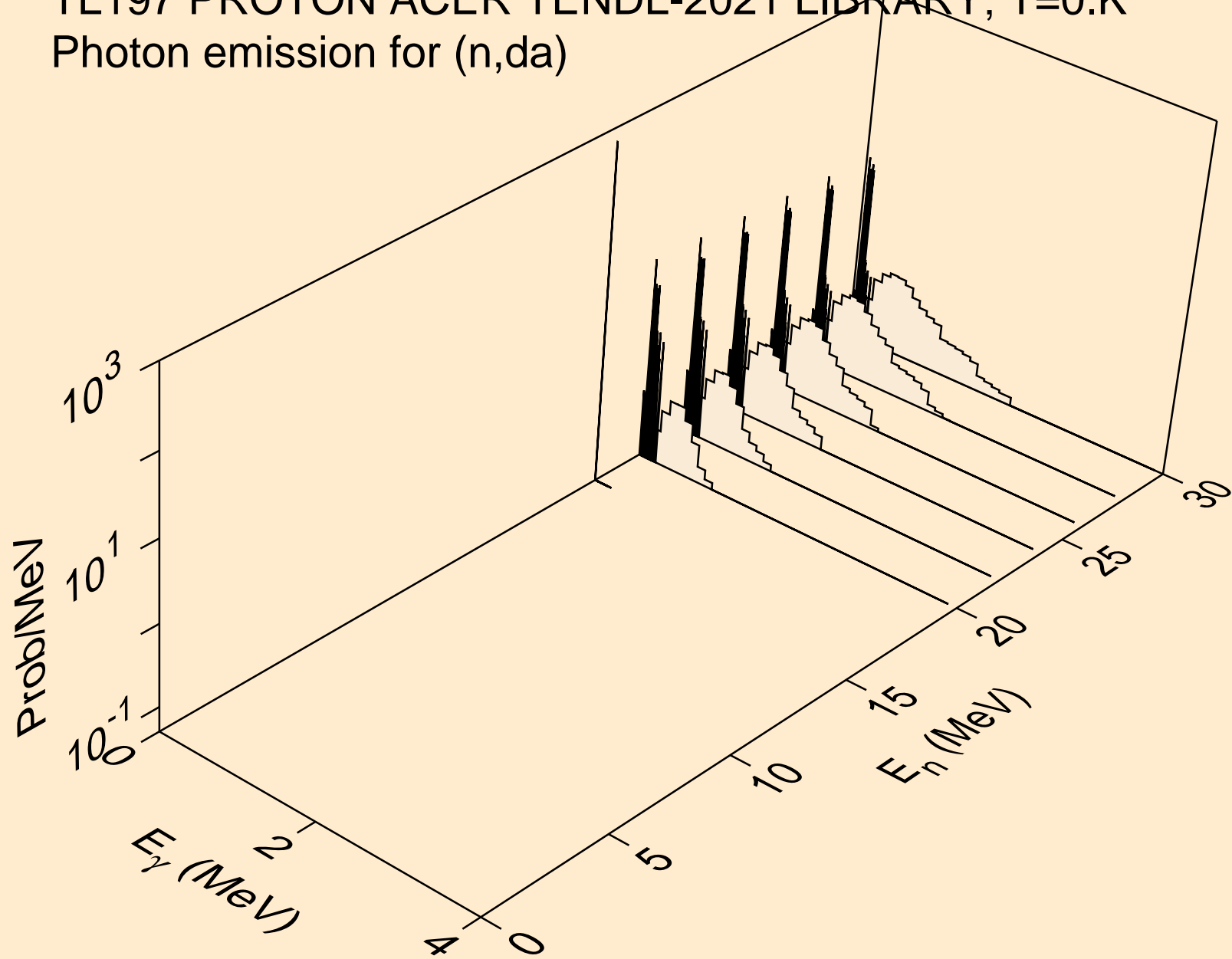




TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pt)

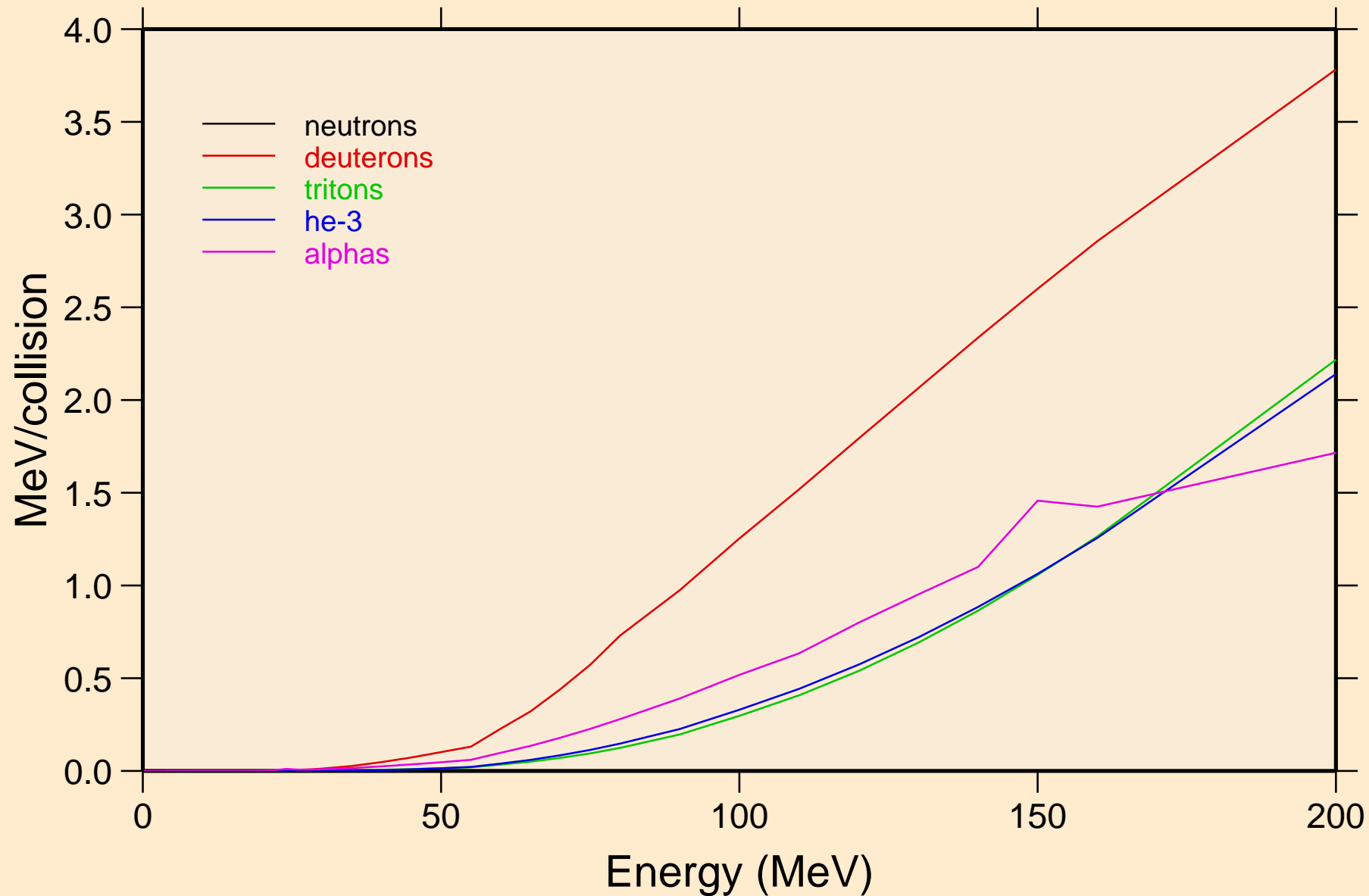


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Photon emission for (n,da)

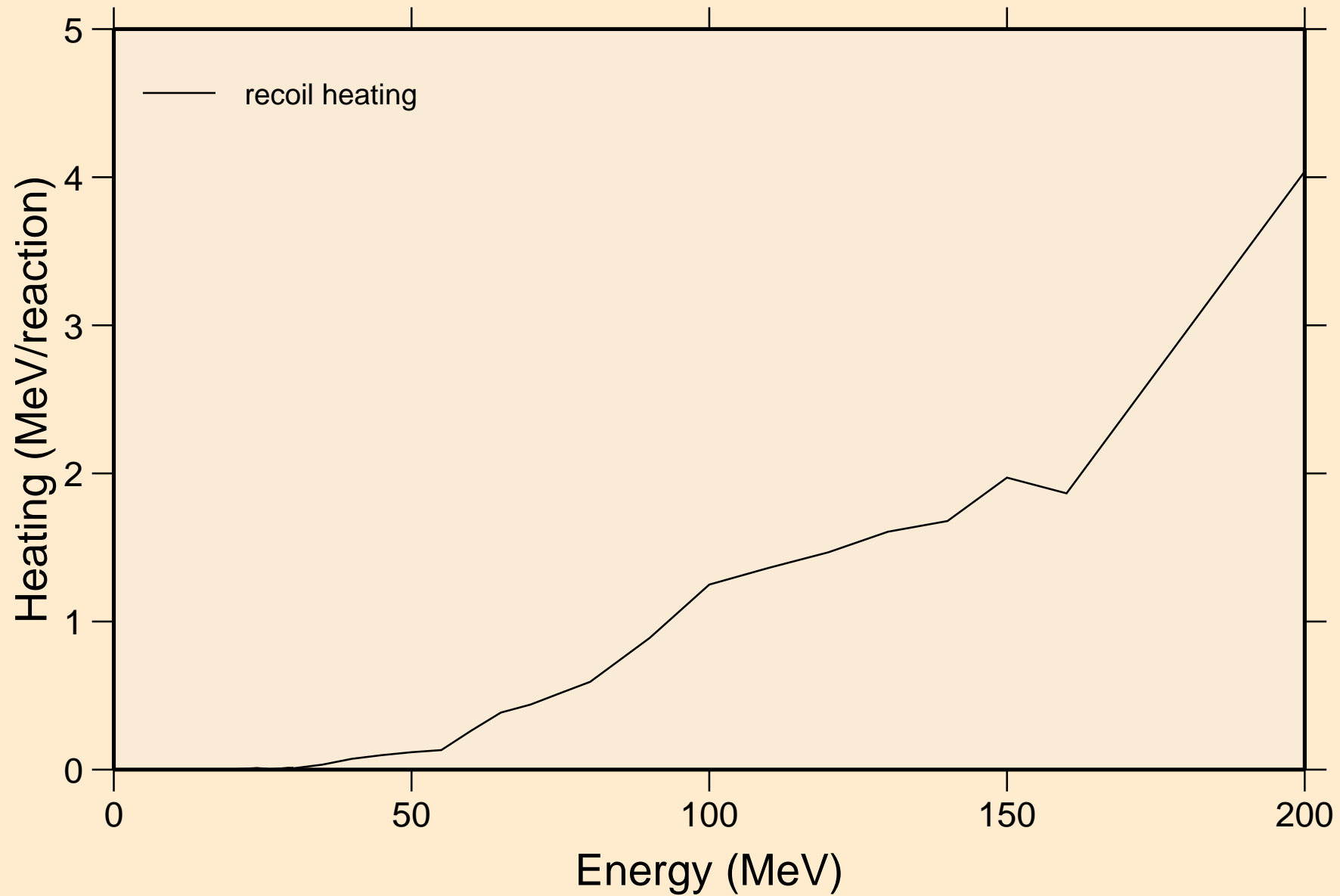


# TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K

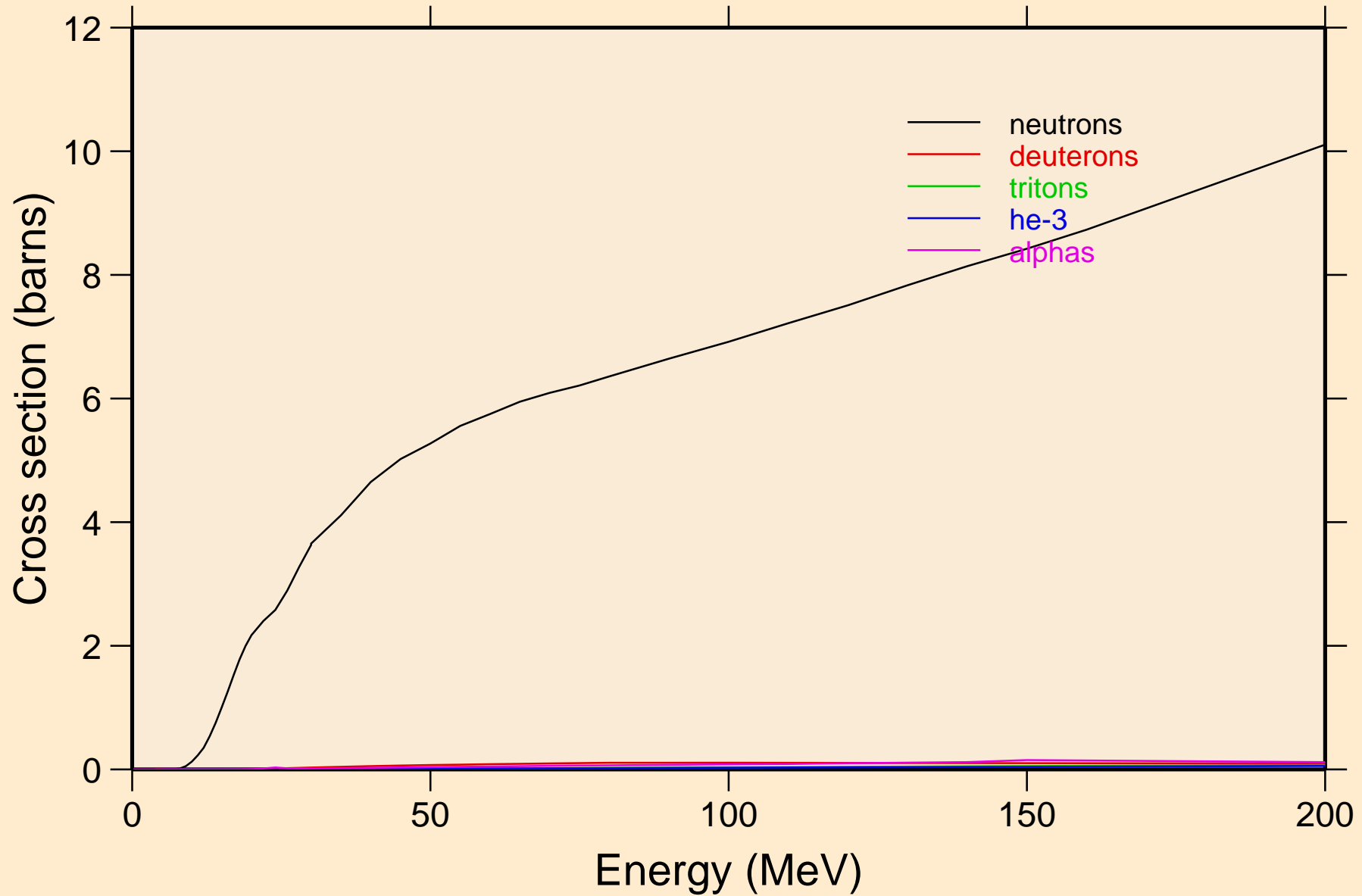
## Particle heating contributions



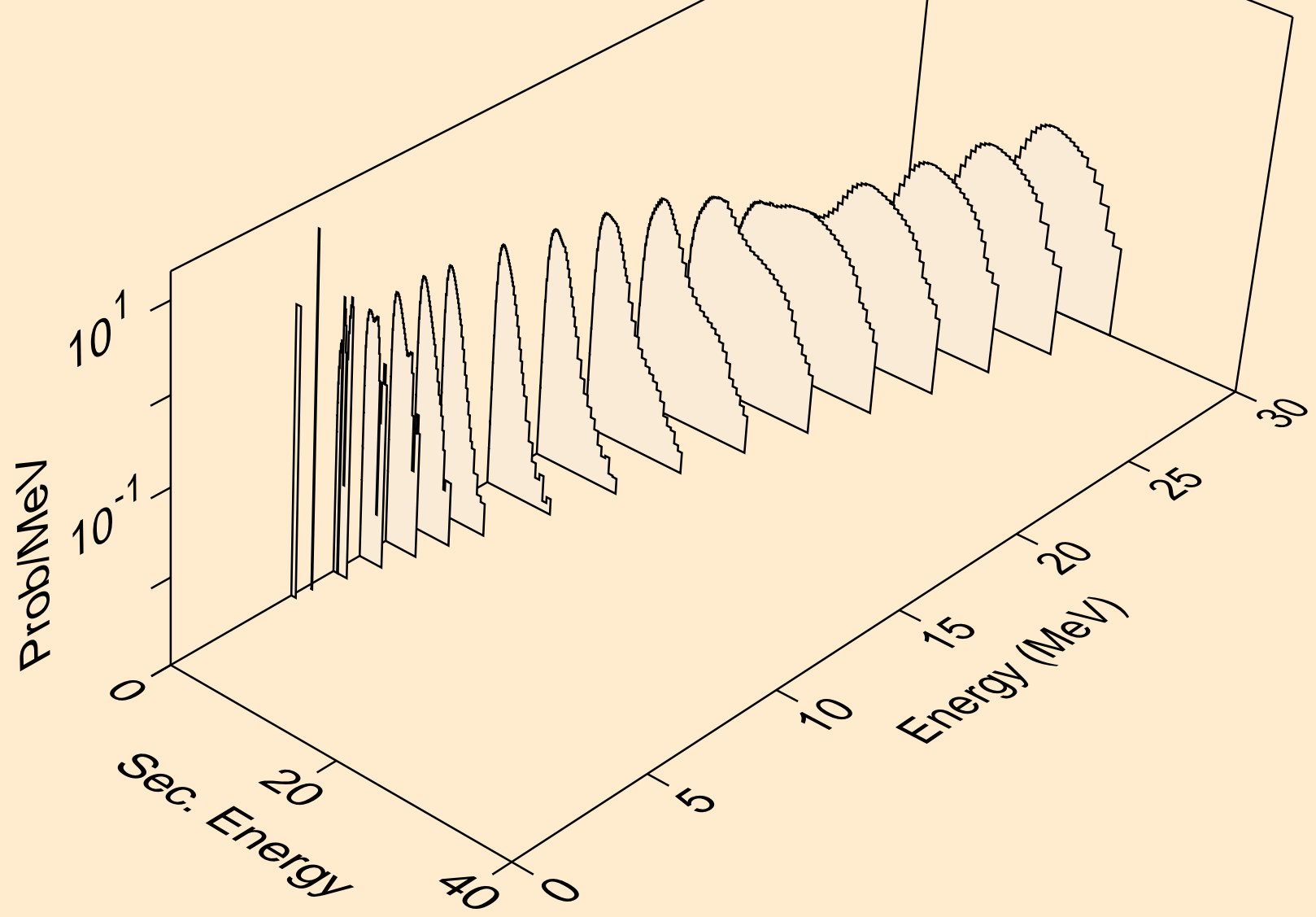
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Recoil Heating



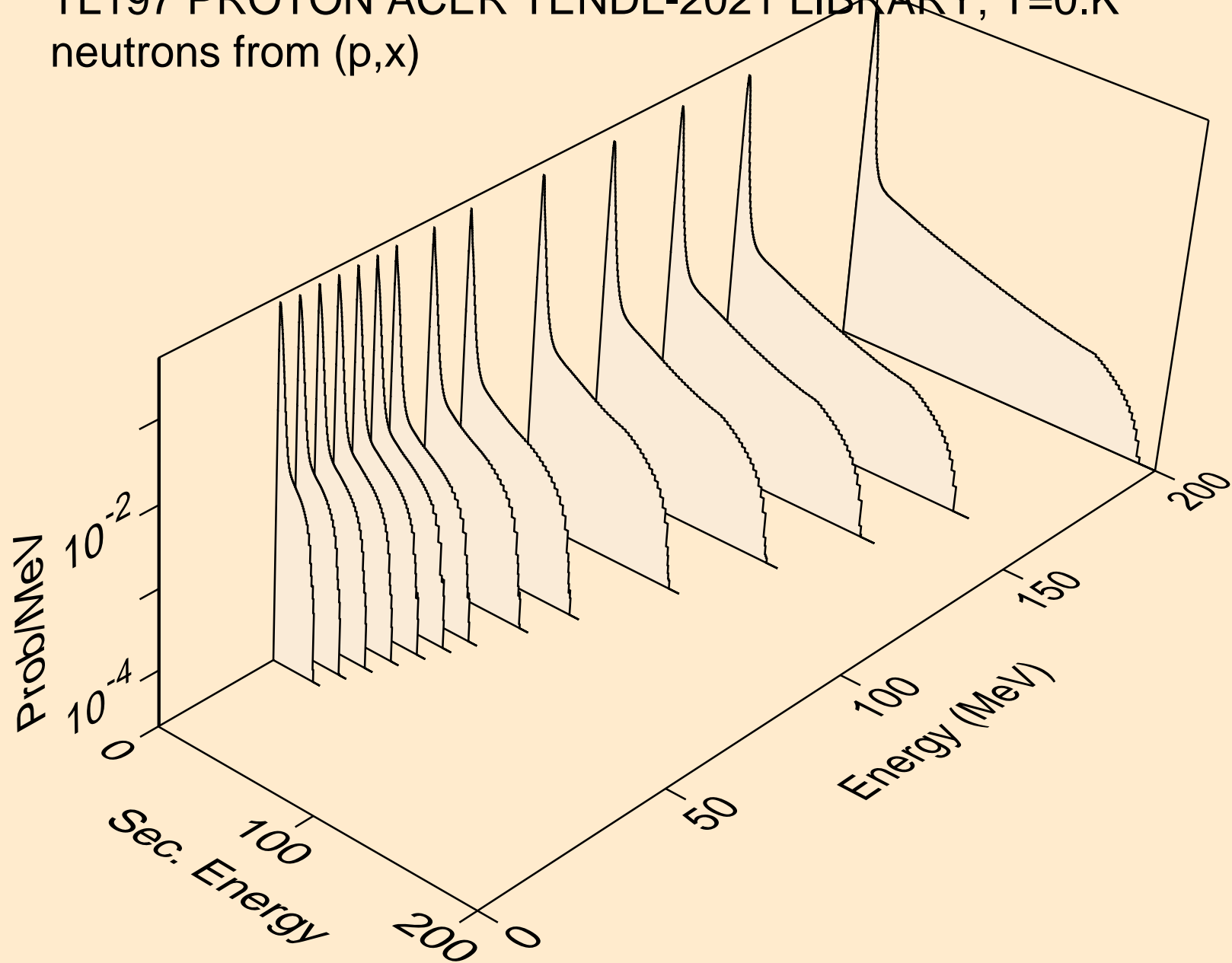
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Particle production cross sections



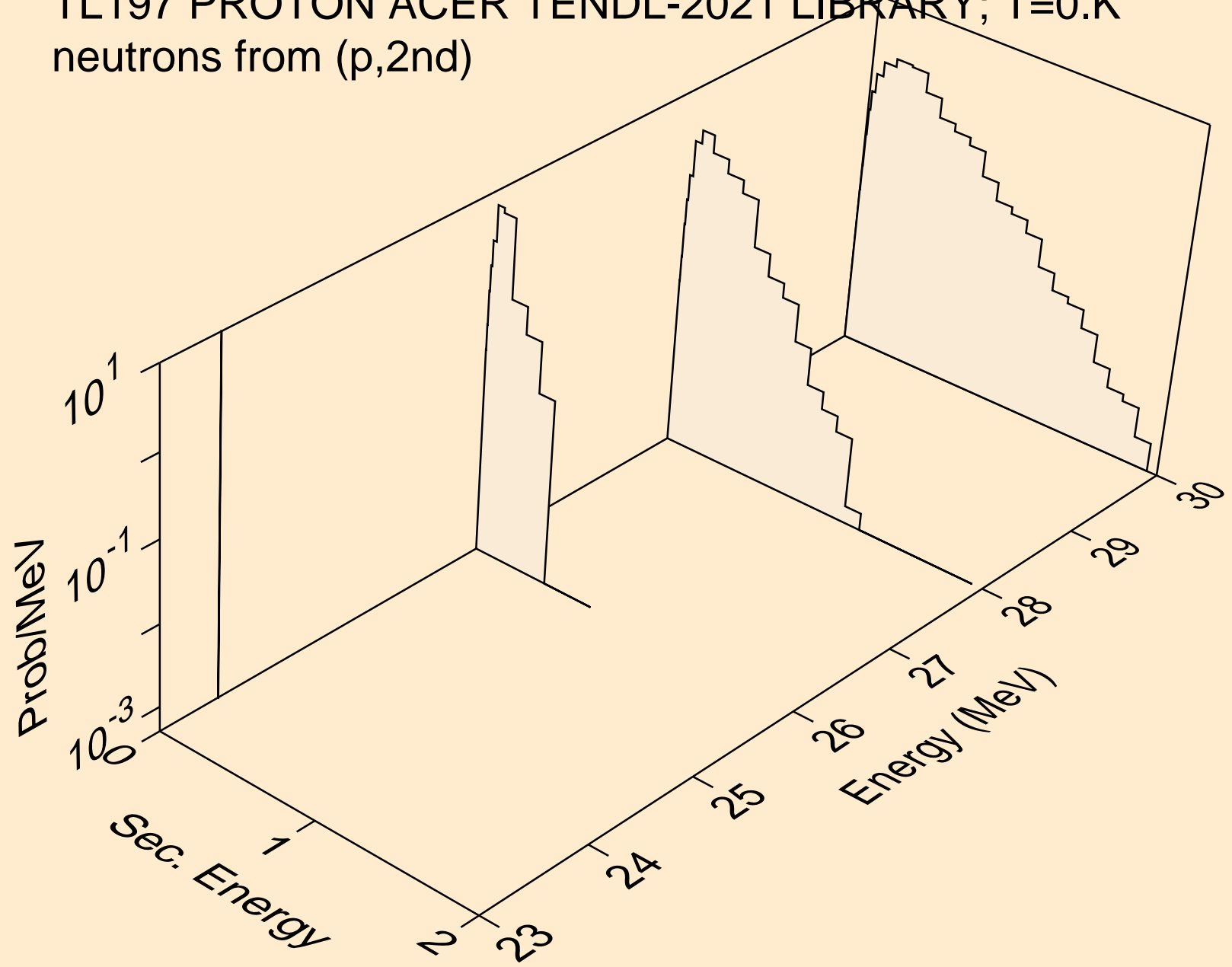
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n)



TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,x)

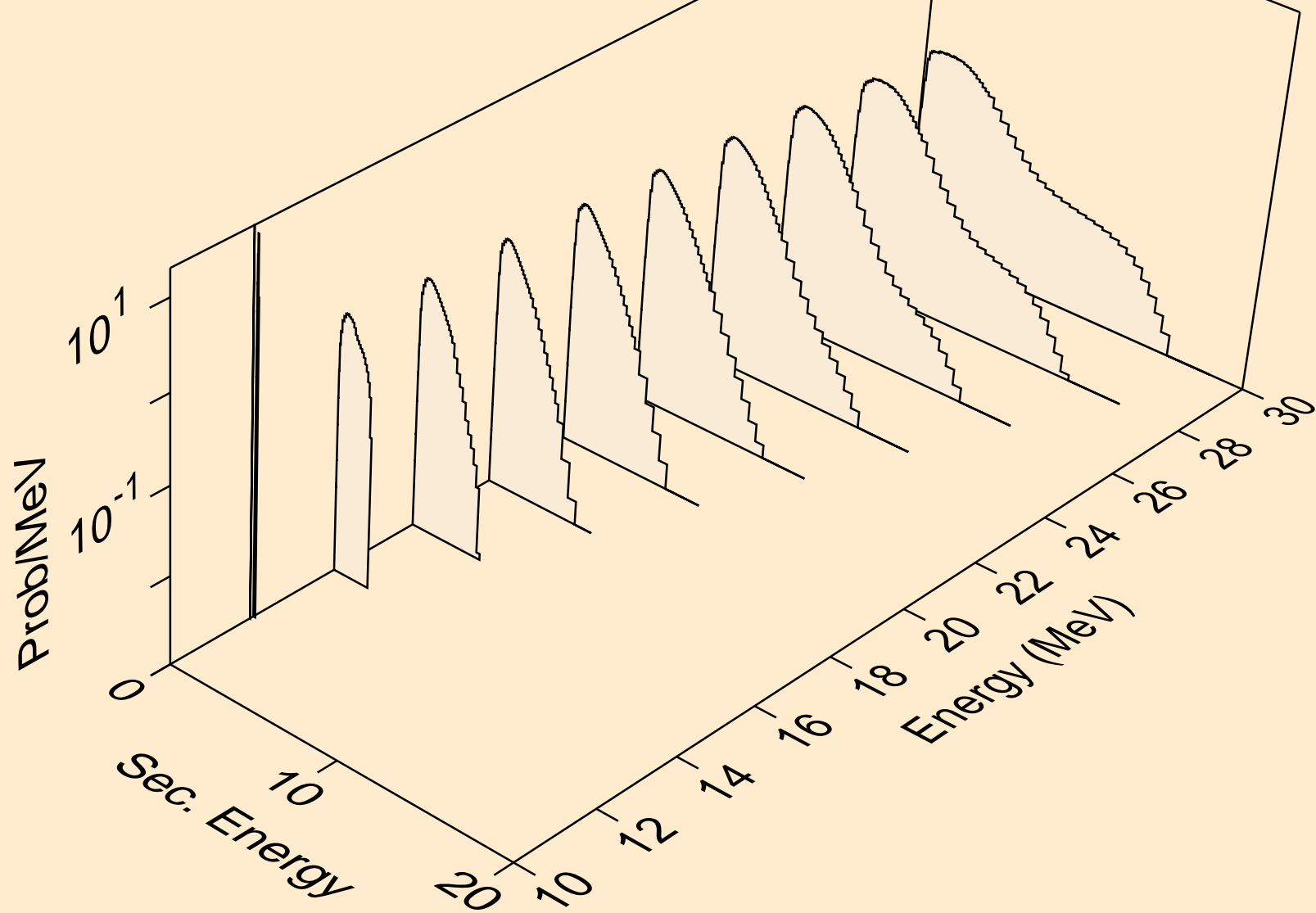


TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2nd)

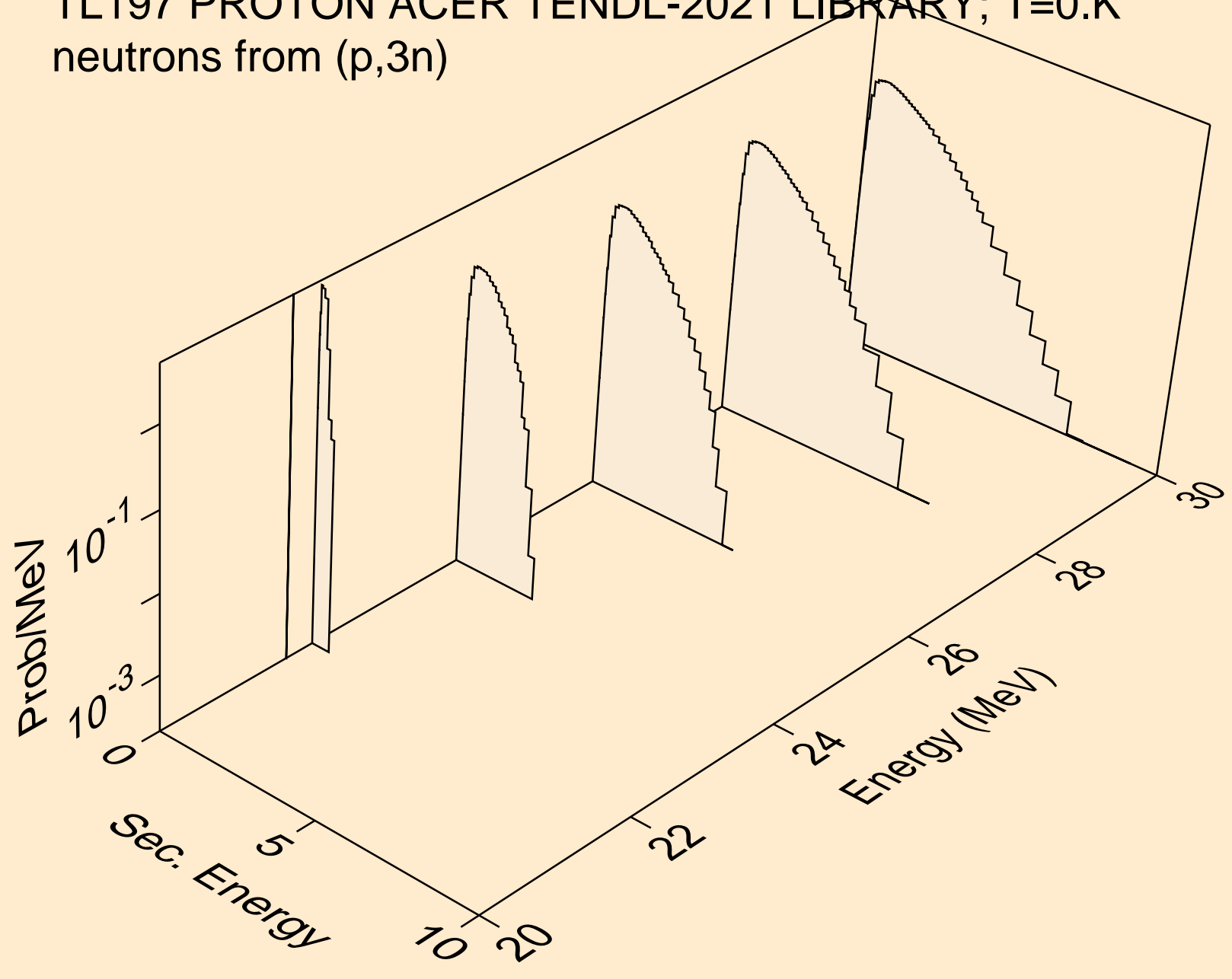




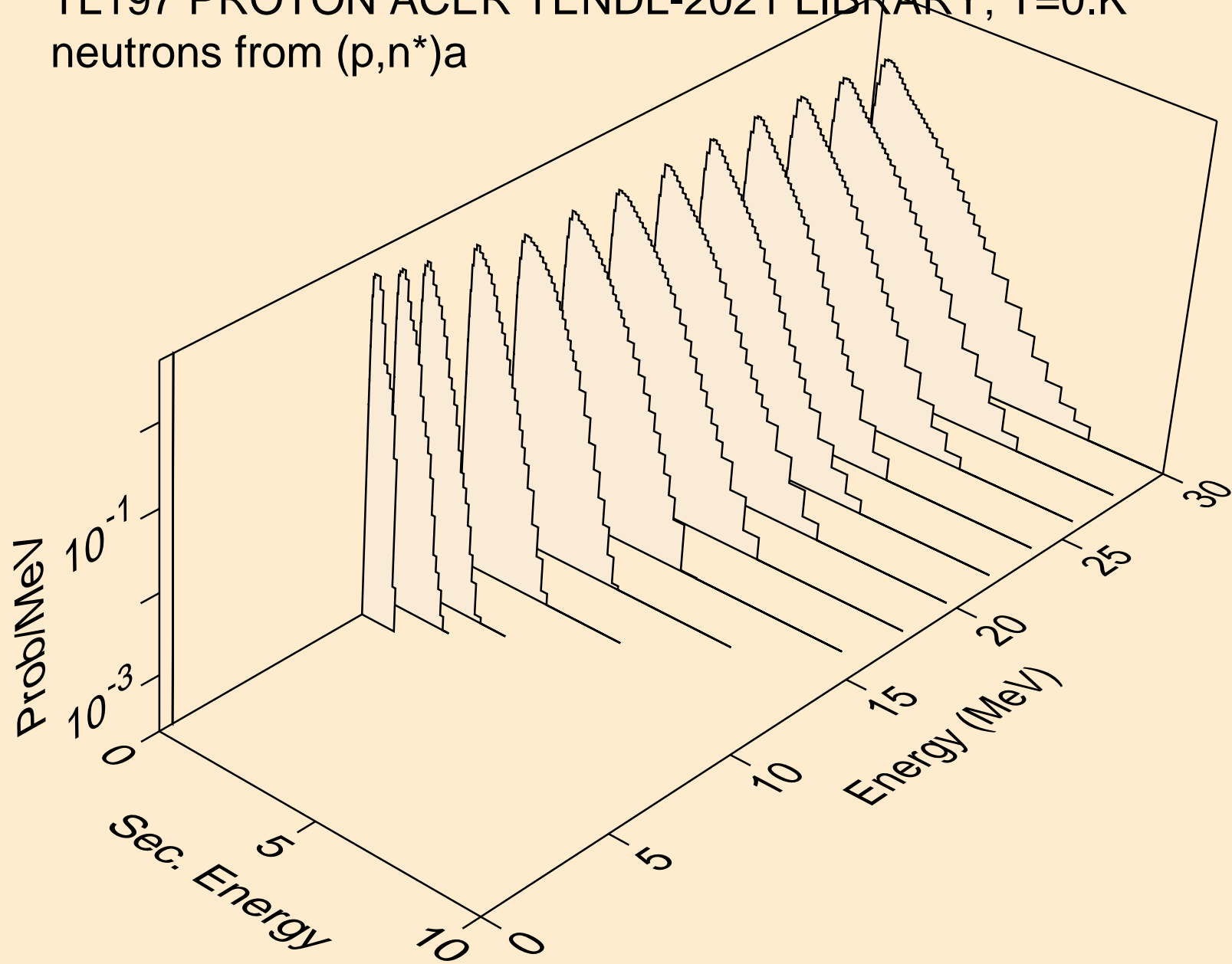
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2n)



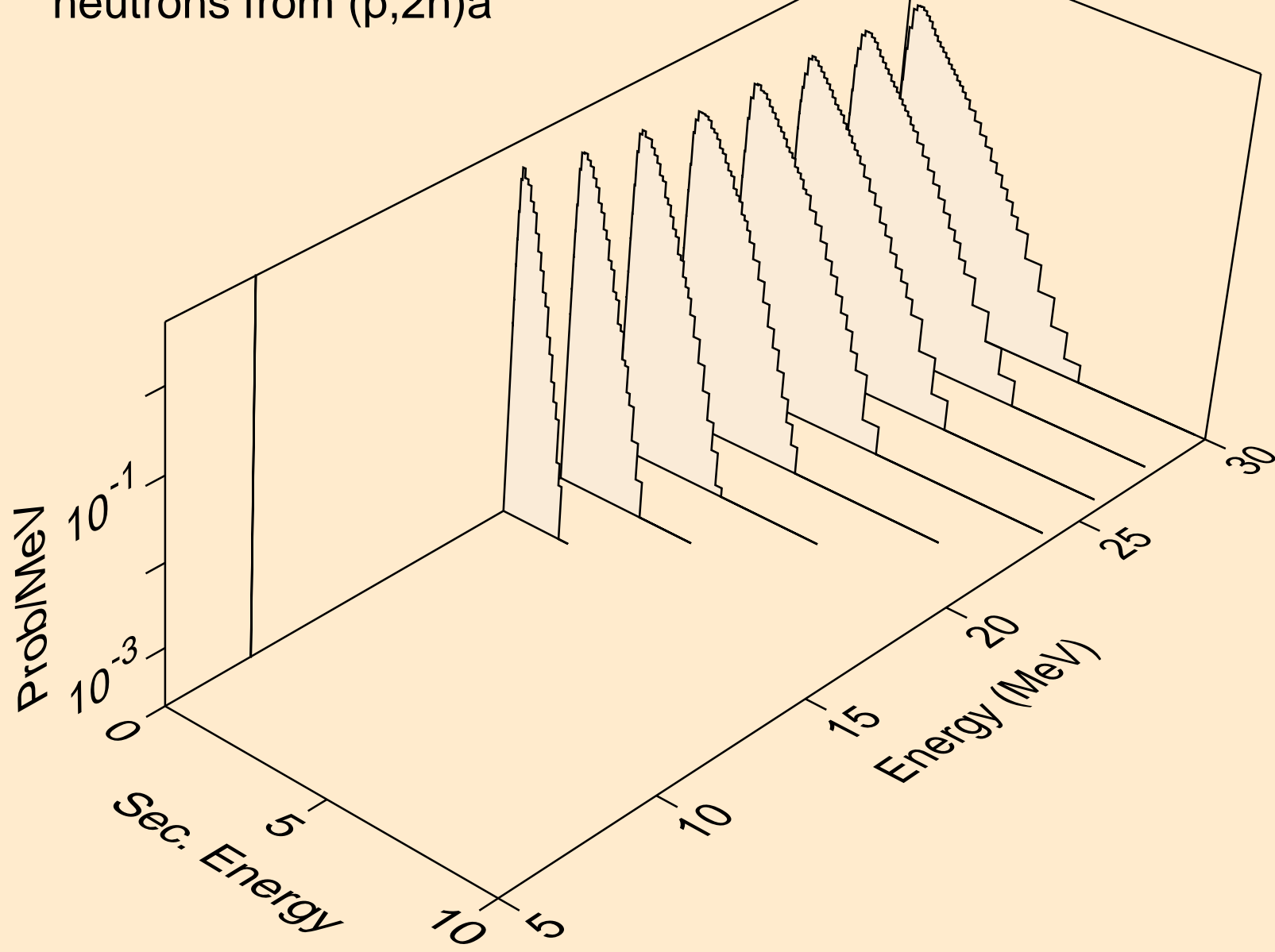
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,3n)



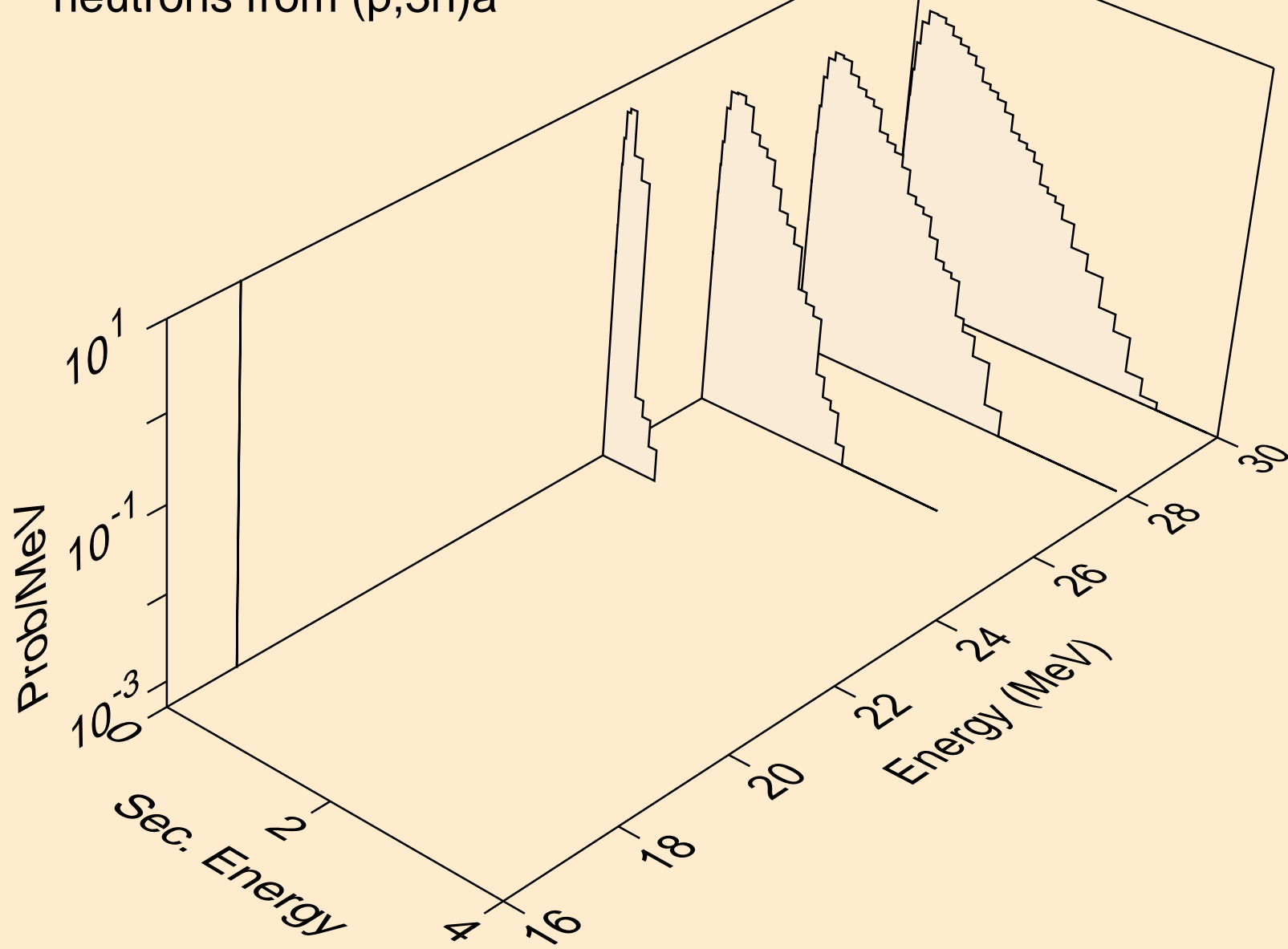
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)a



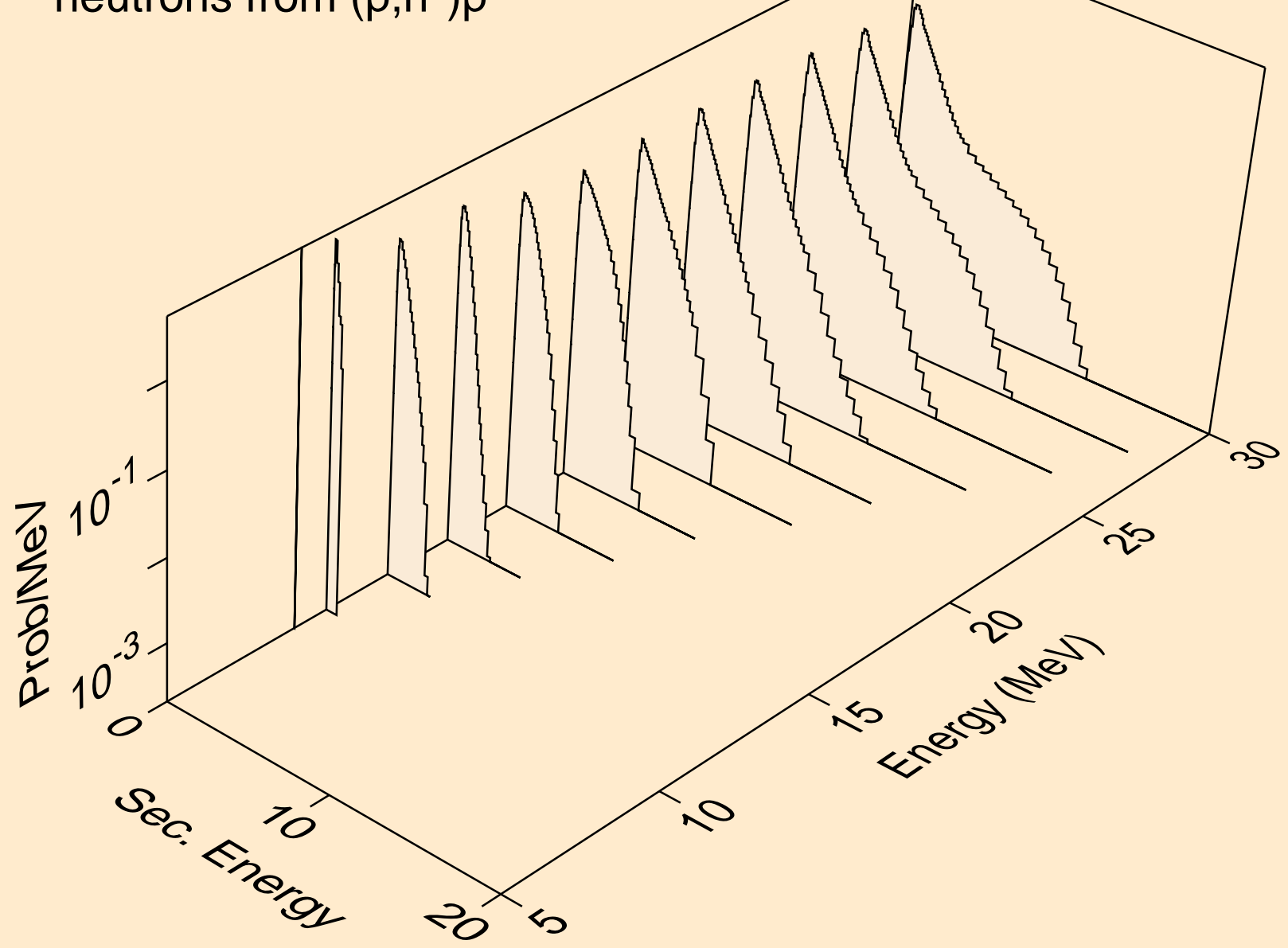
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neutrons from (p,2n)a



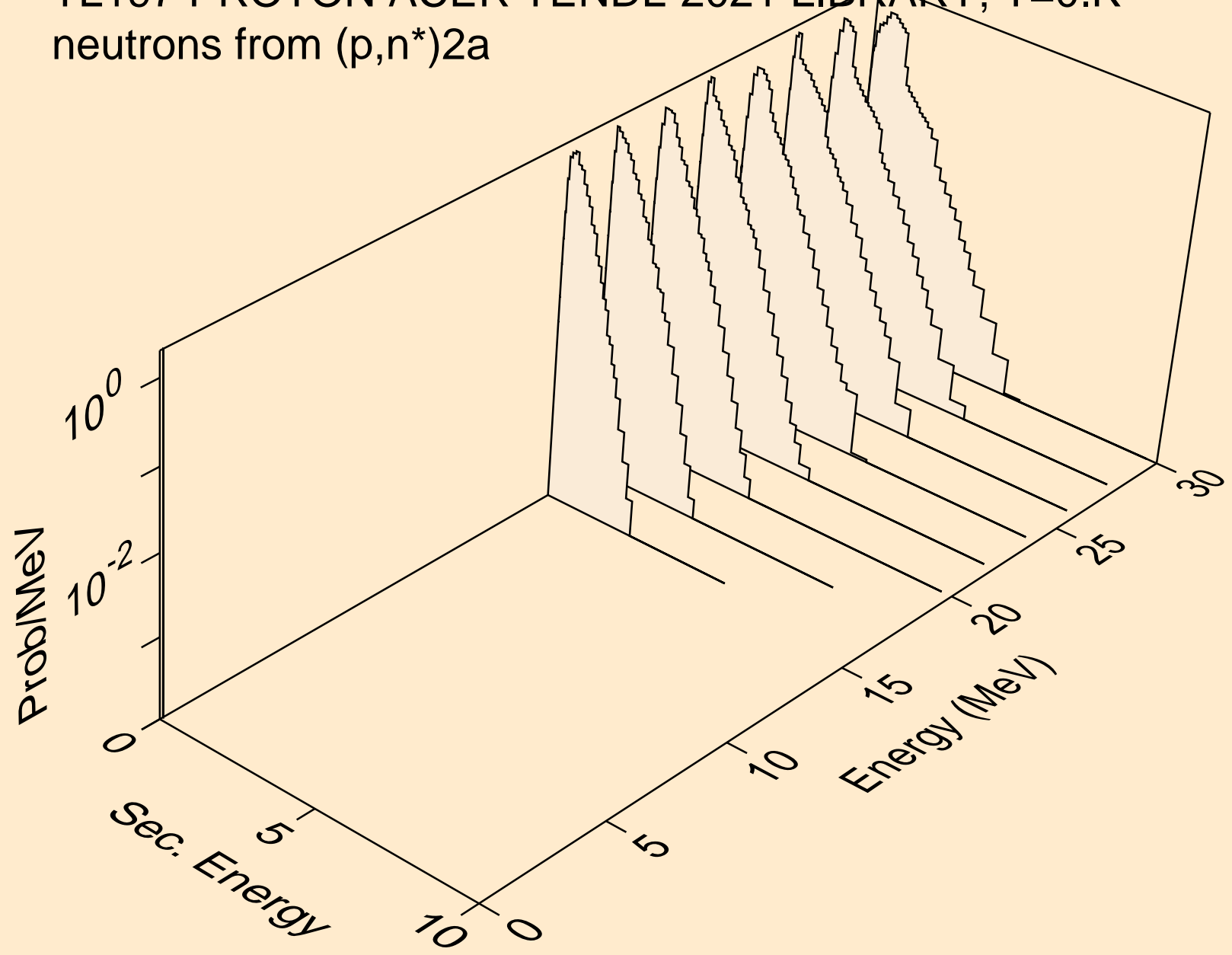
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neutrons from (p,3n)a



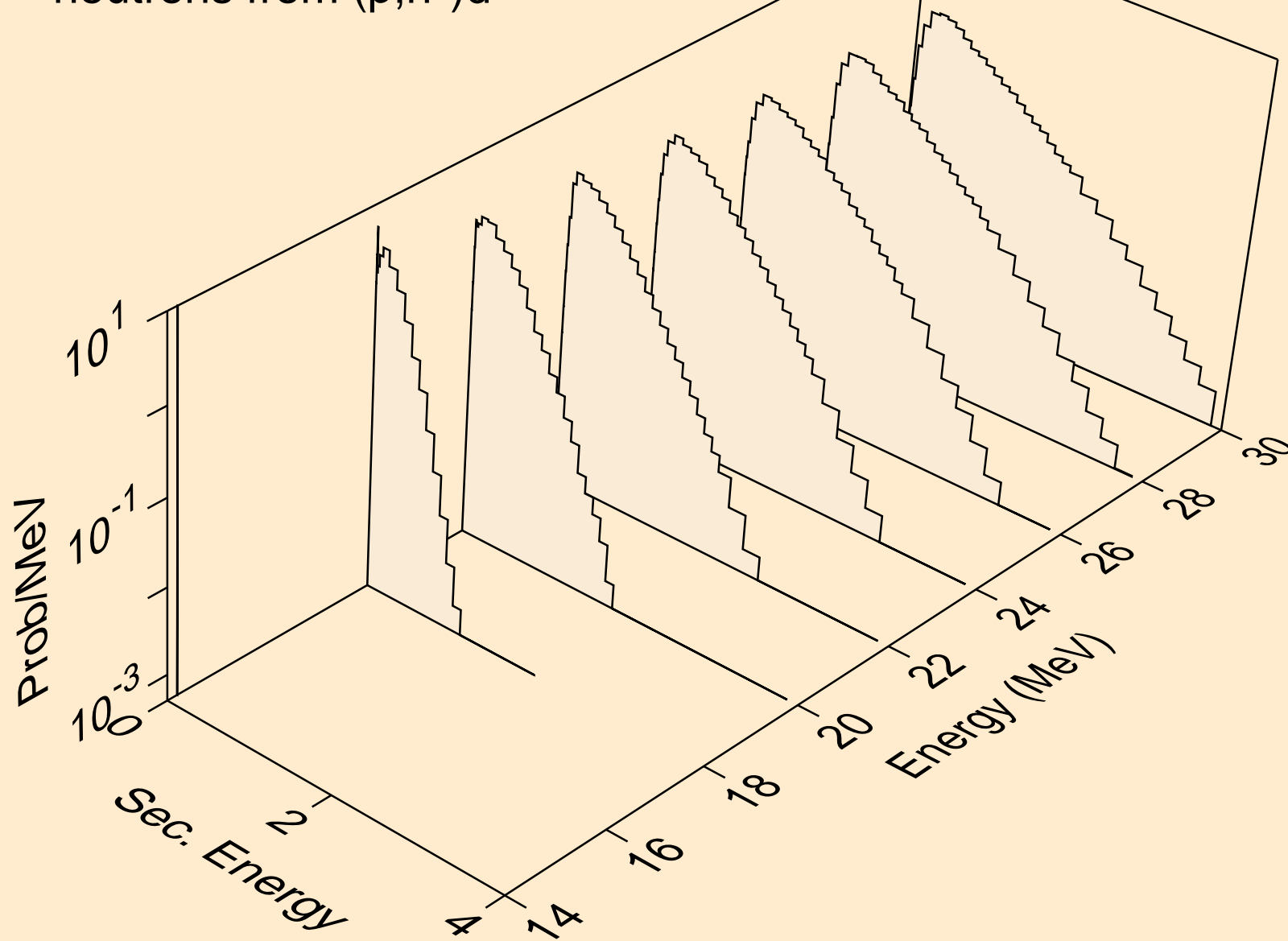
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)p



TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)2a

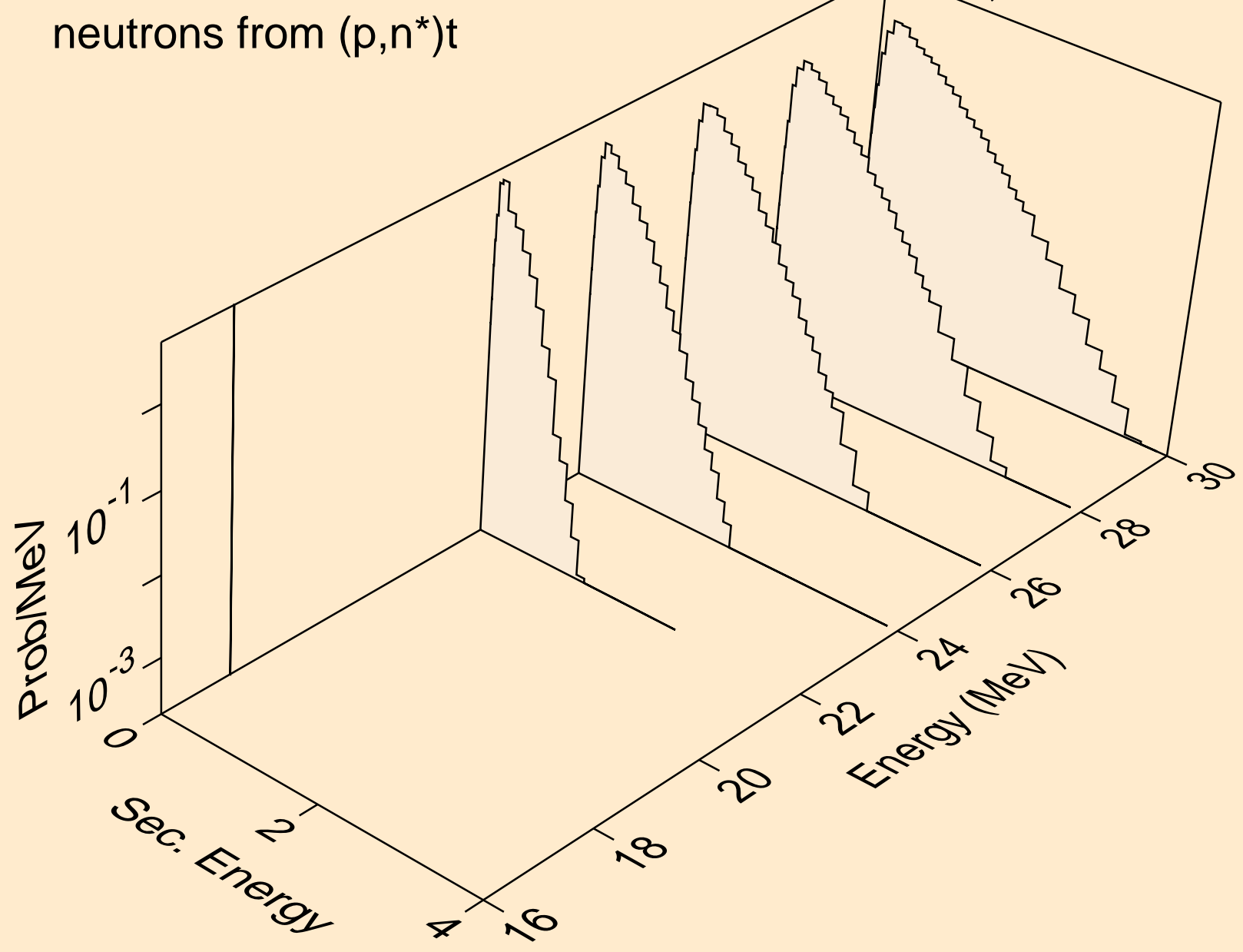


TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)d

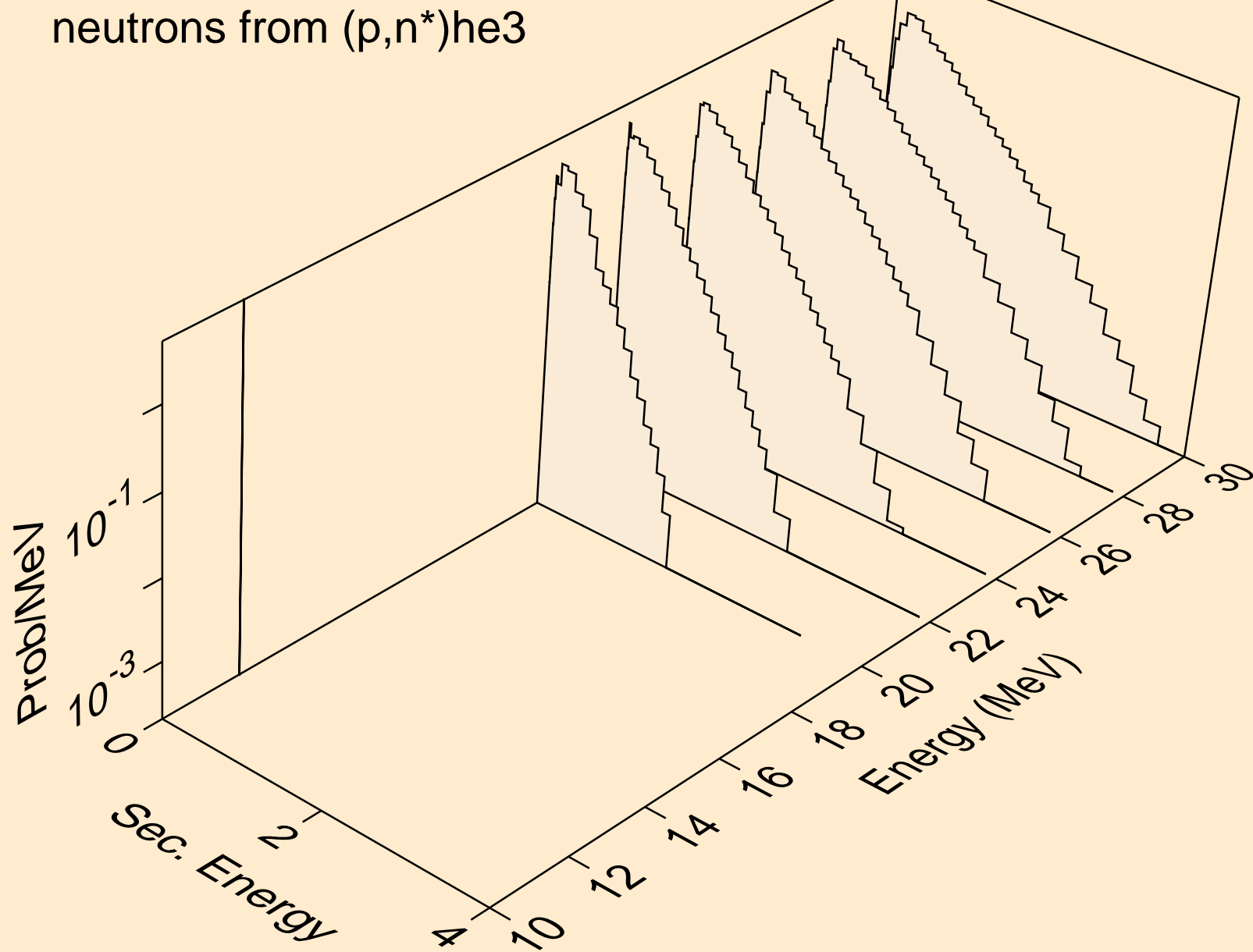




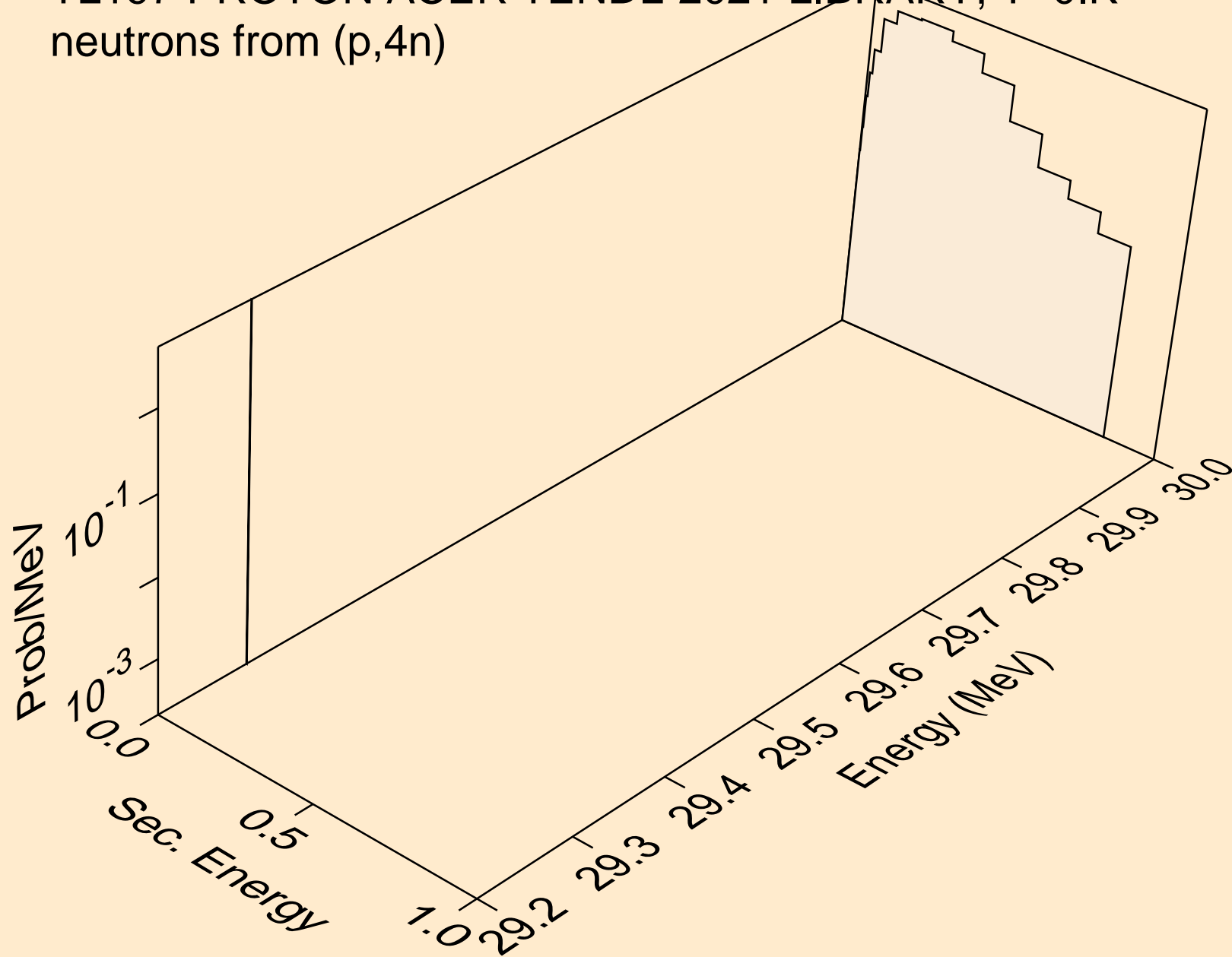
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
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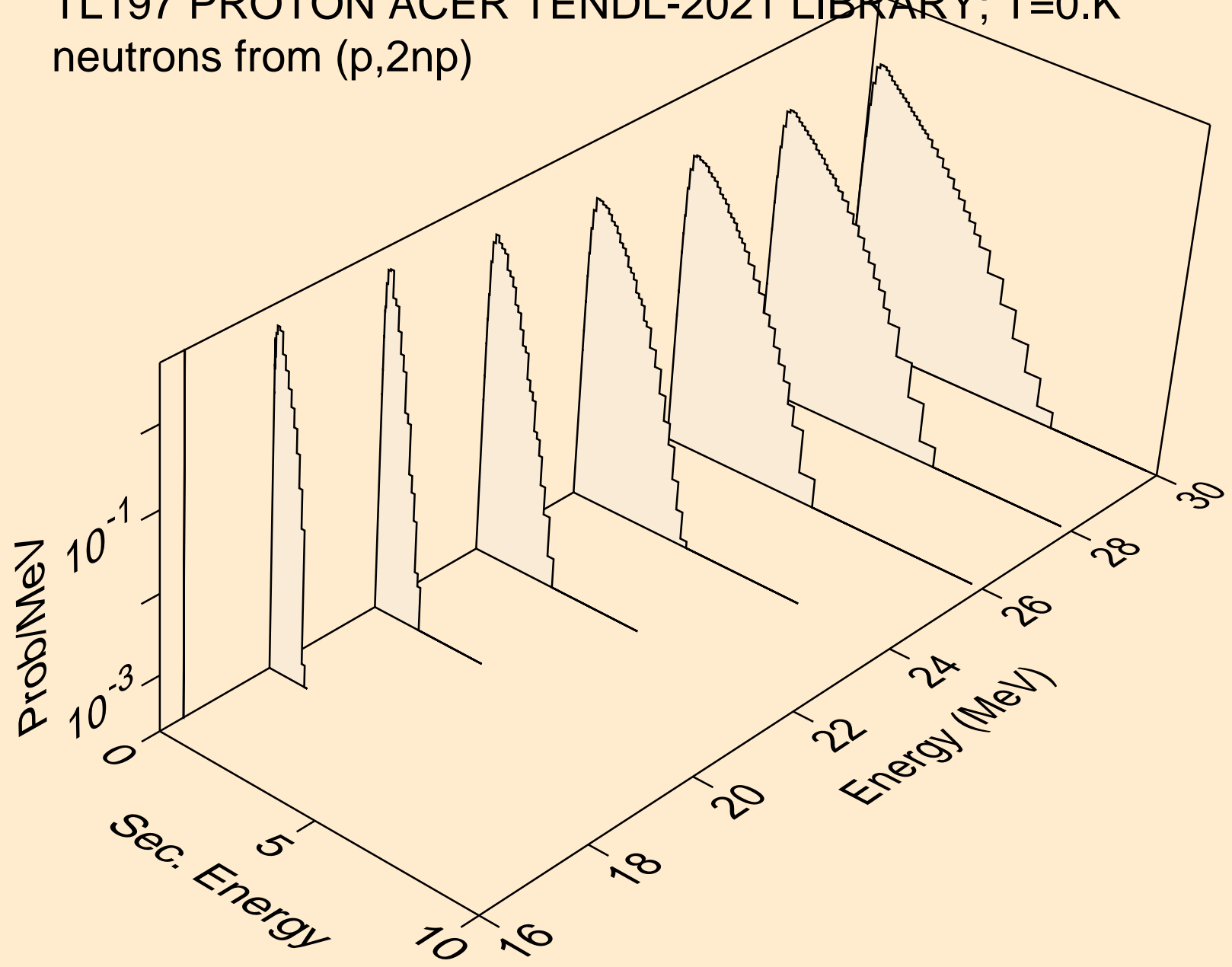
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



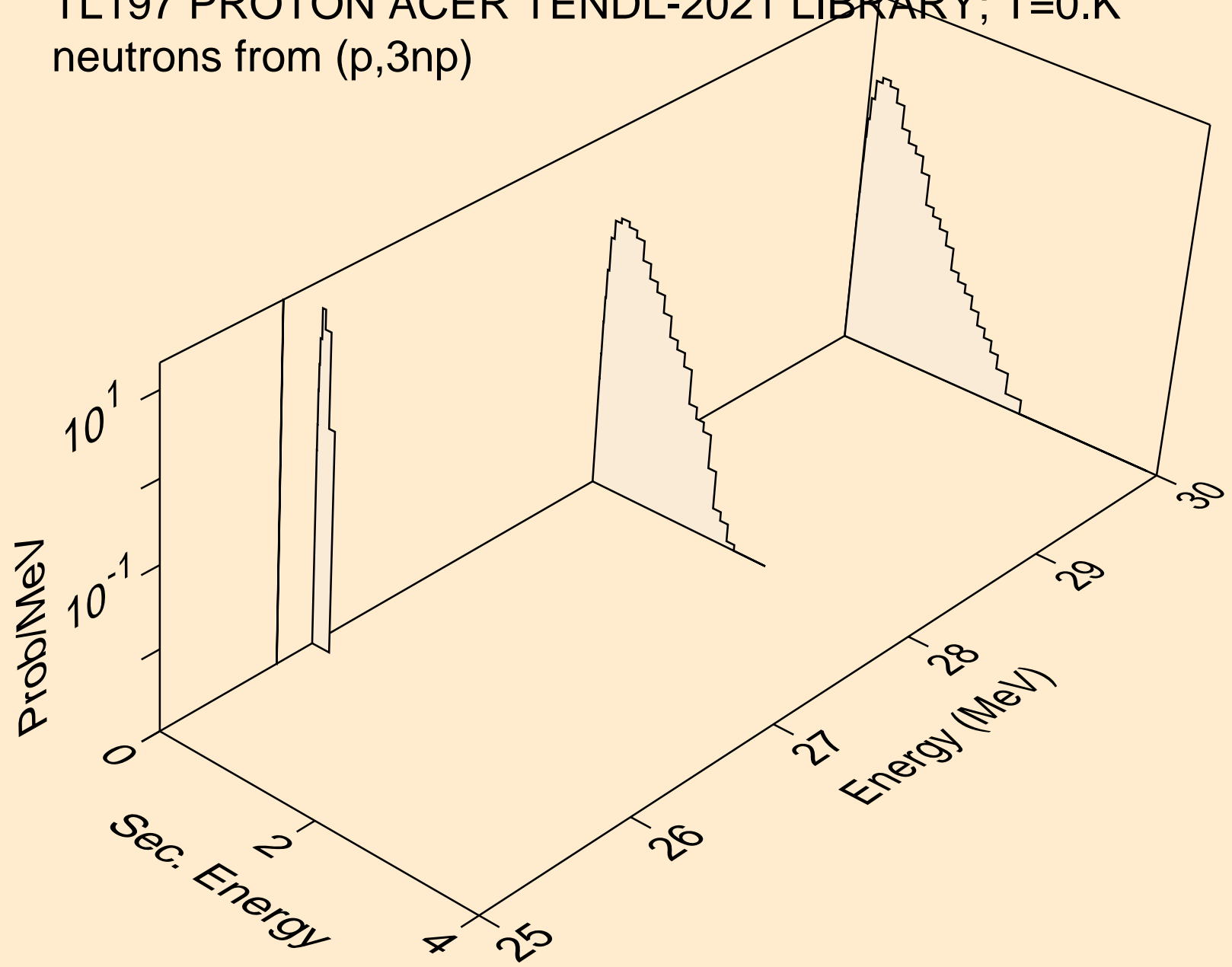
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,4n)



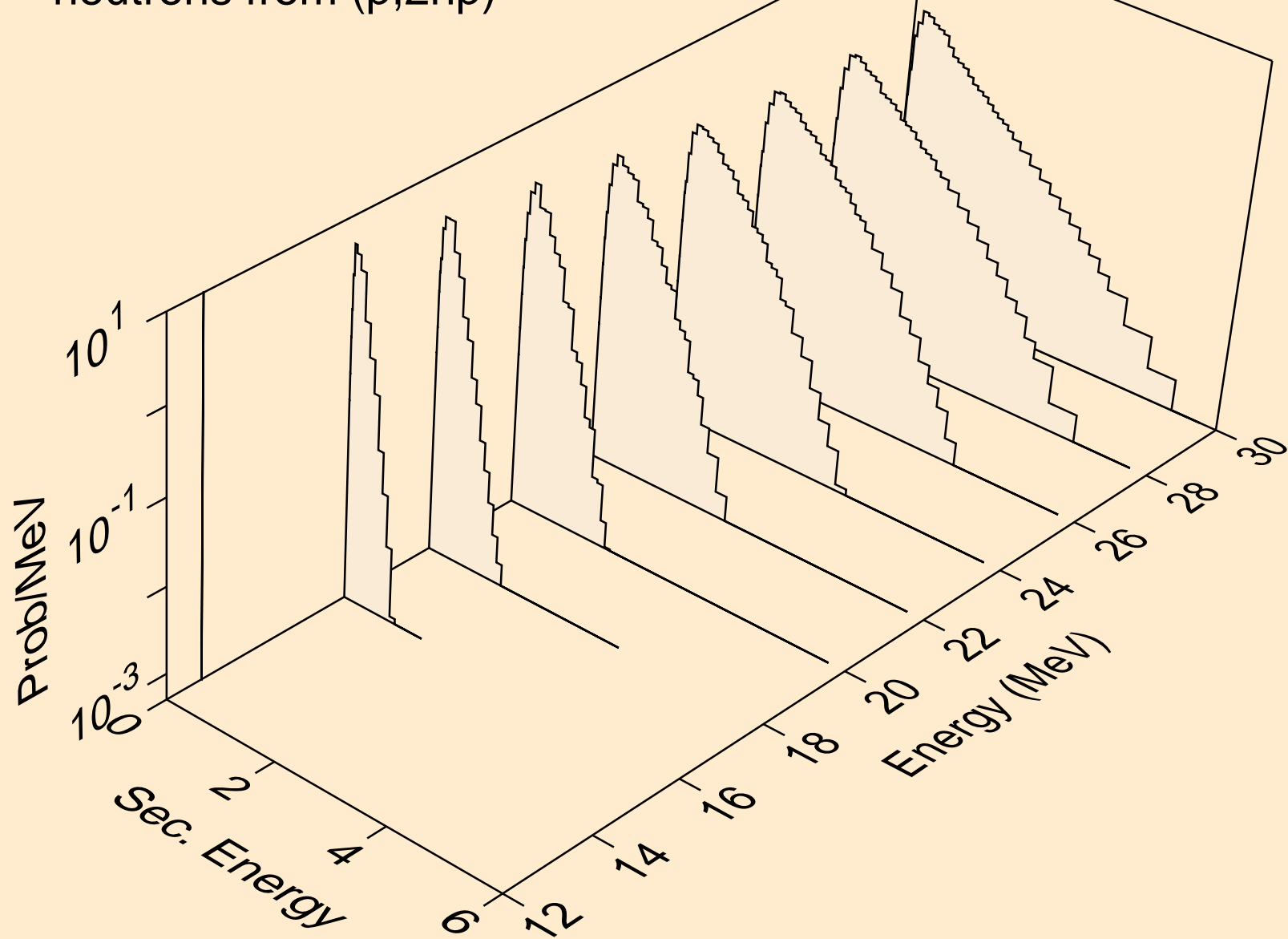
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2np)



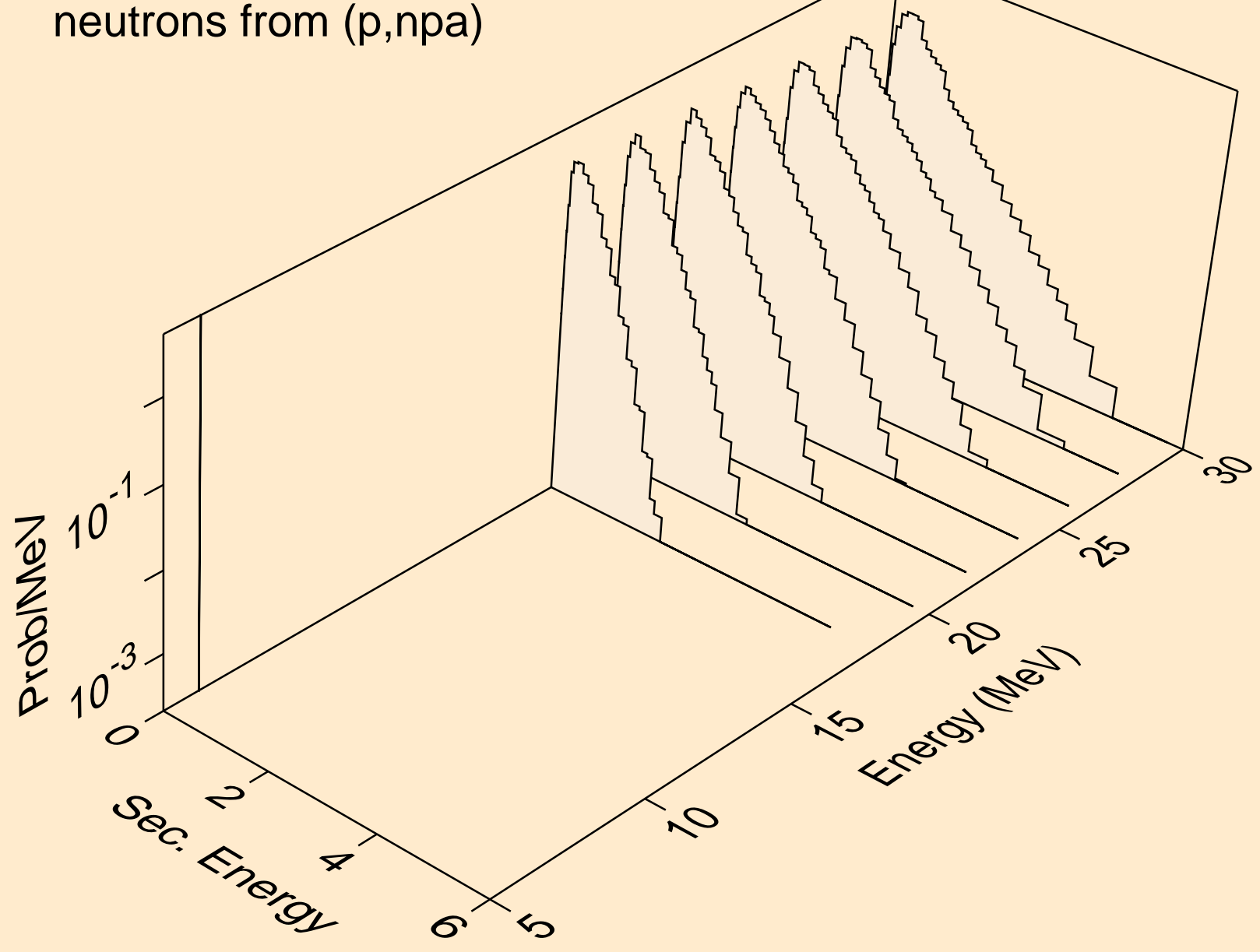
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,3np)



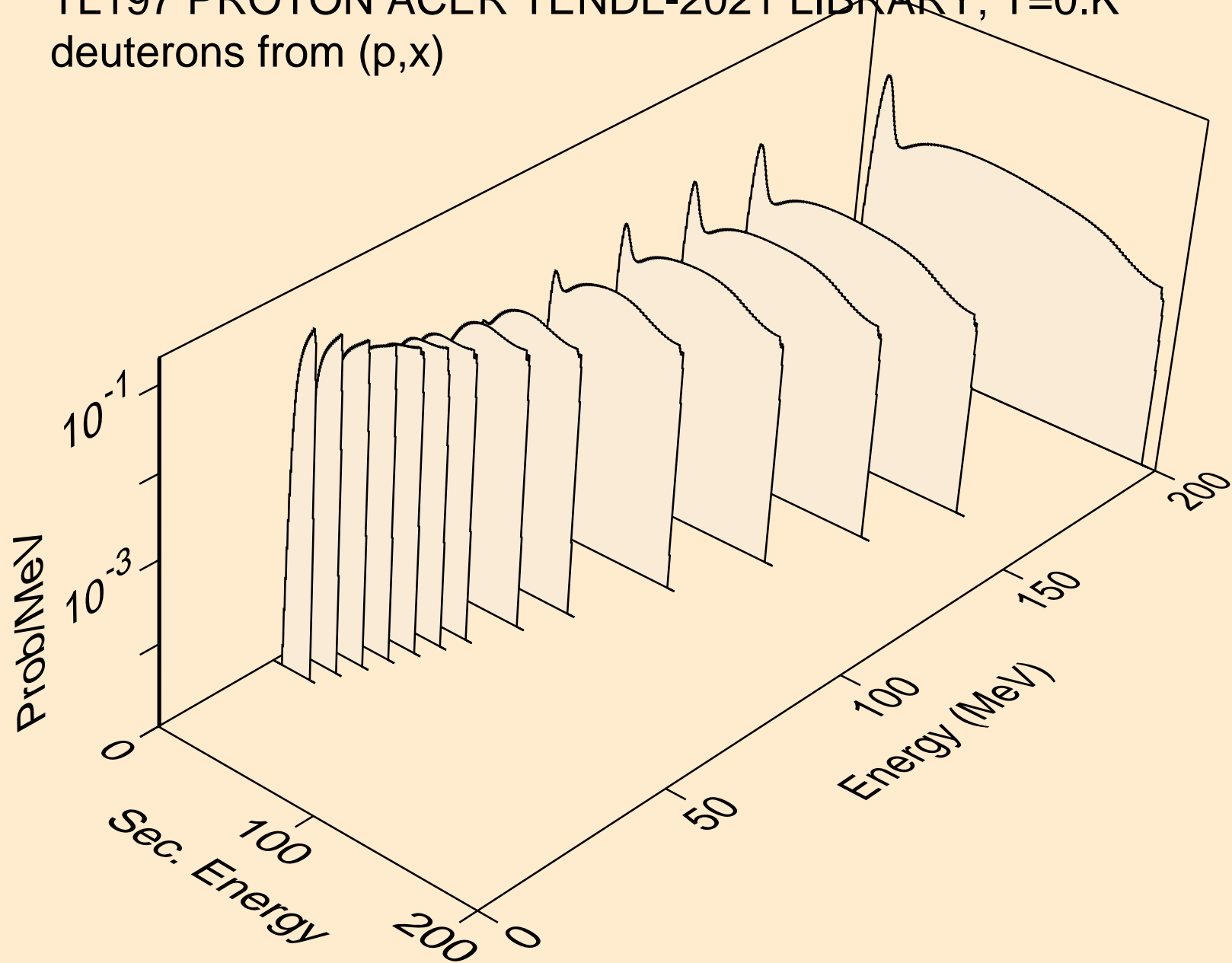
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2np)



TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,npa)

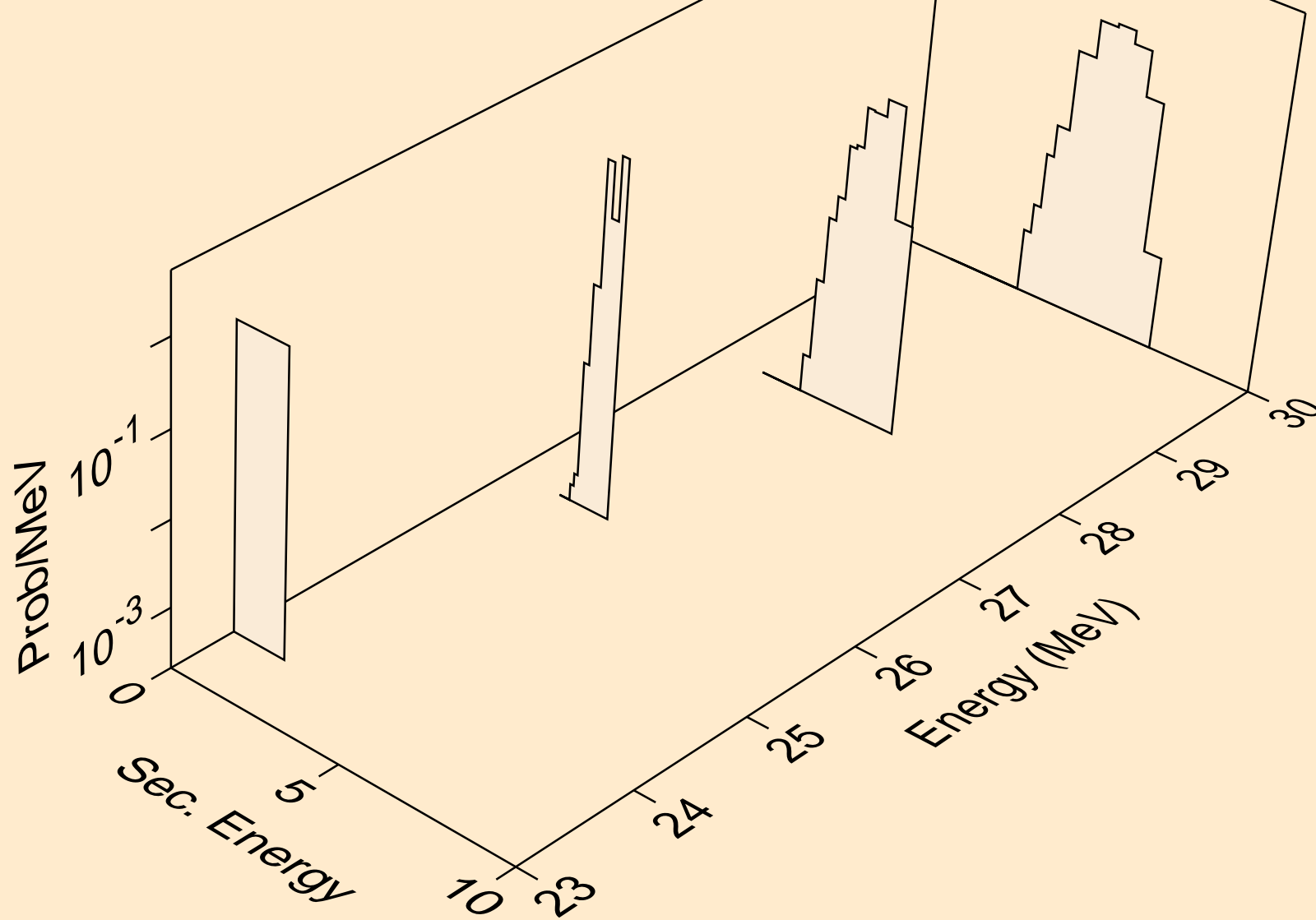


TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,x)

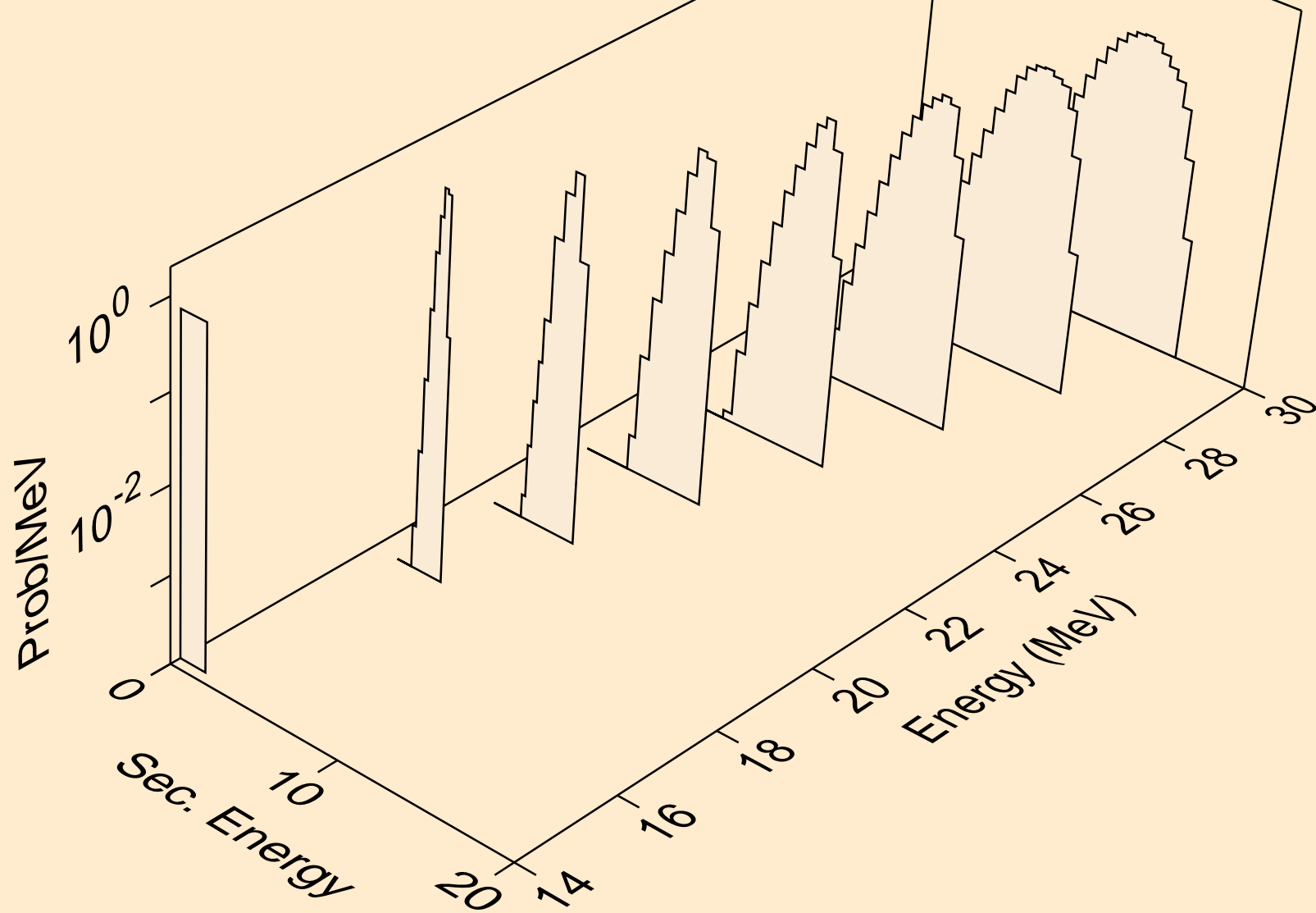




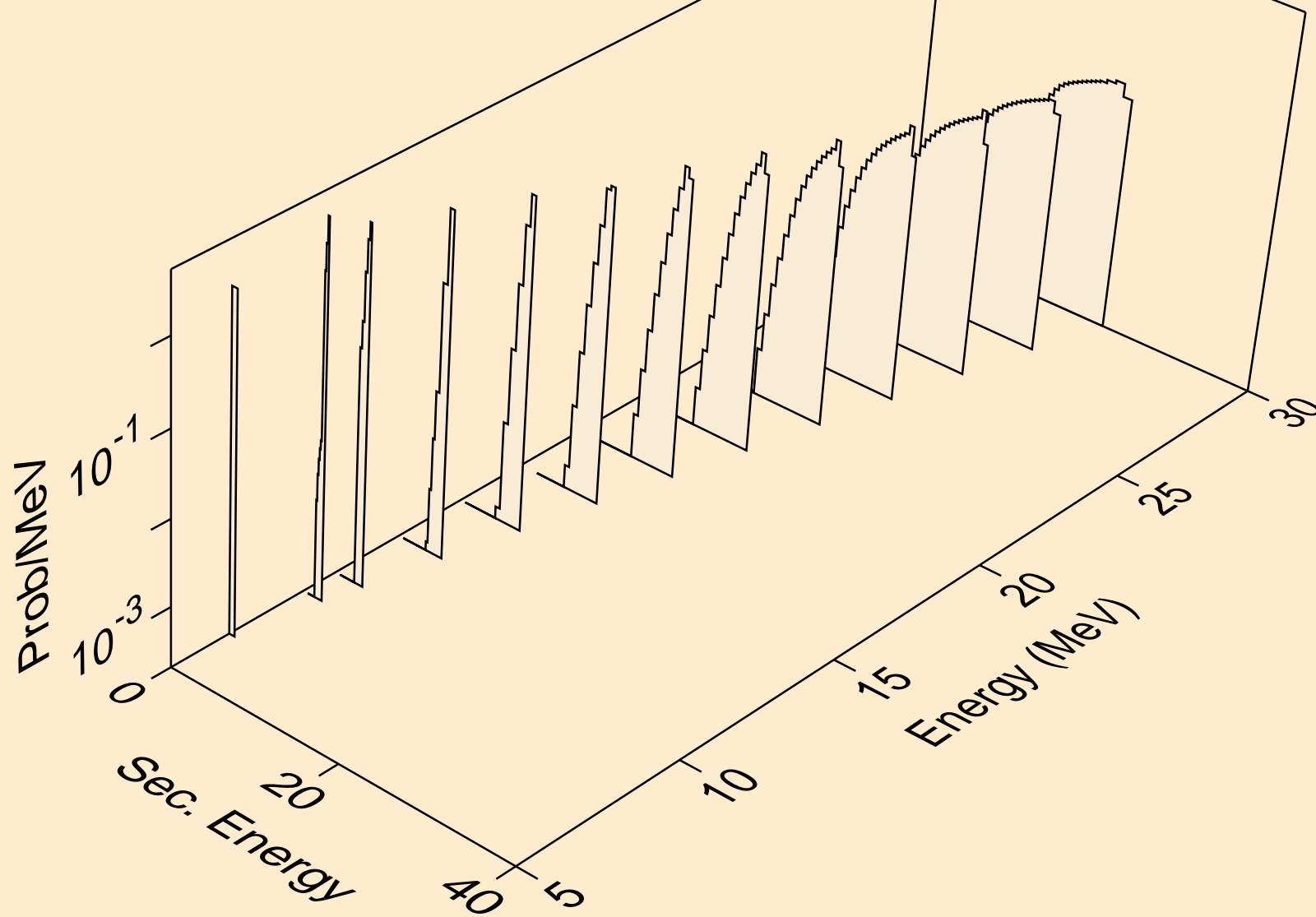
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,2nd)



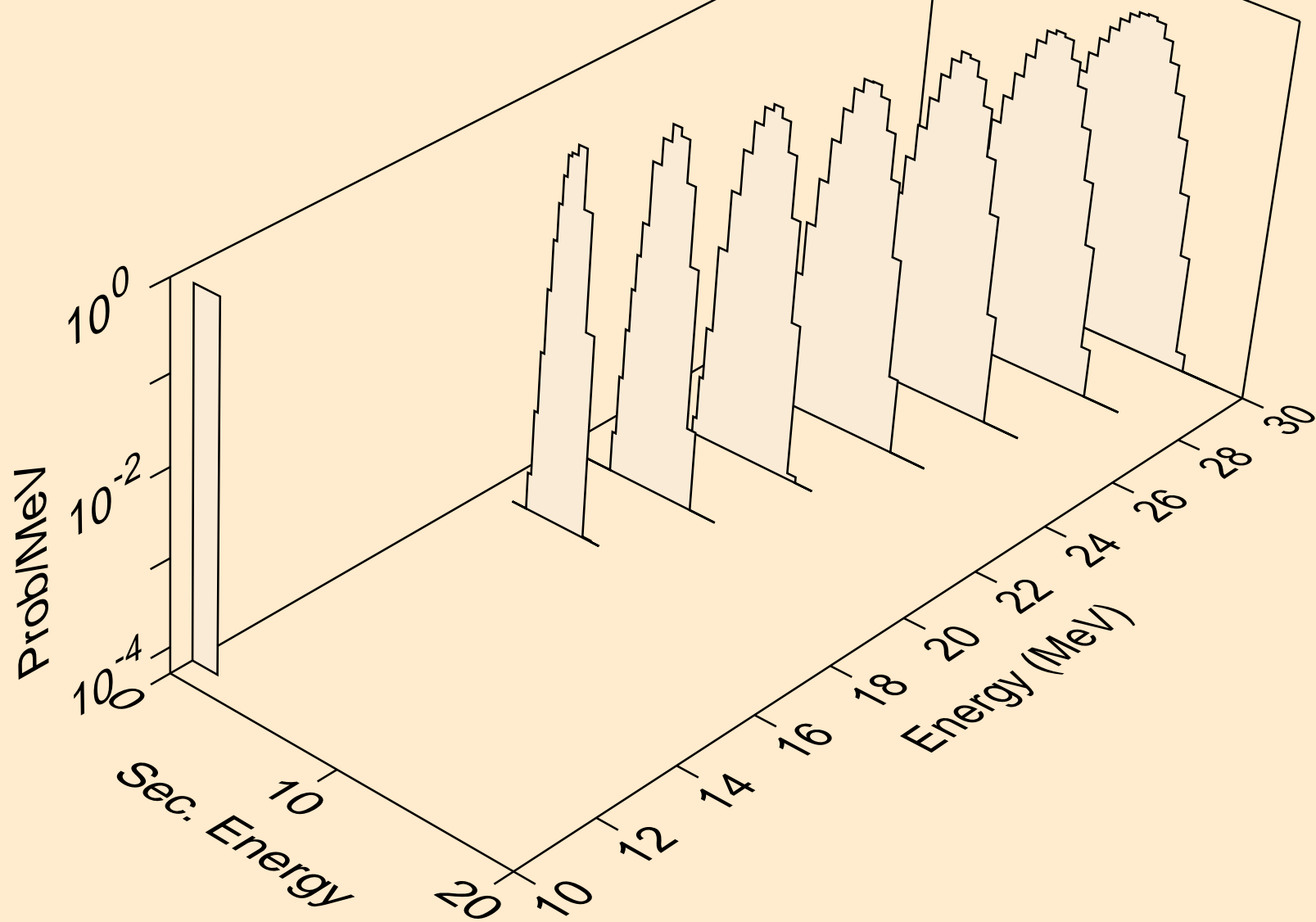
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,n\*)d



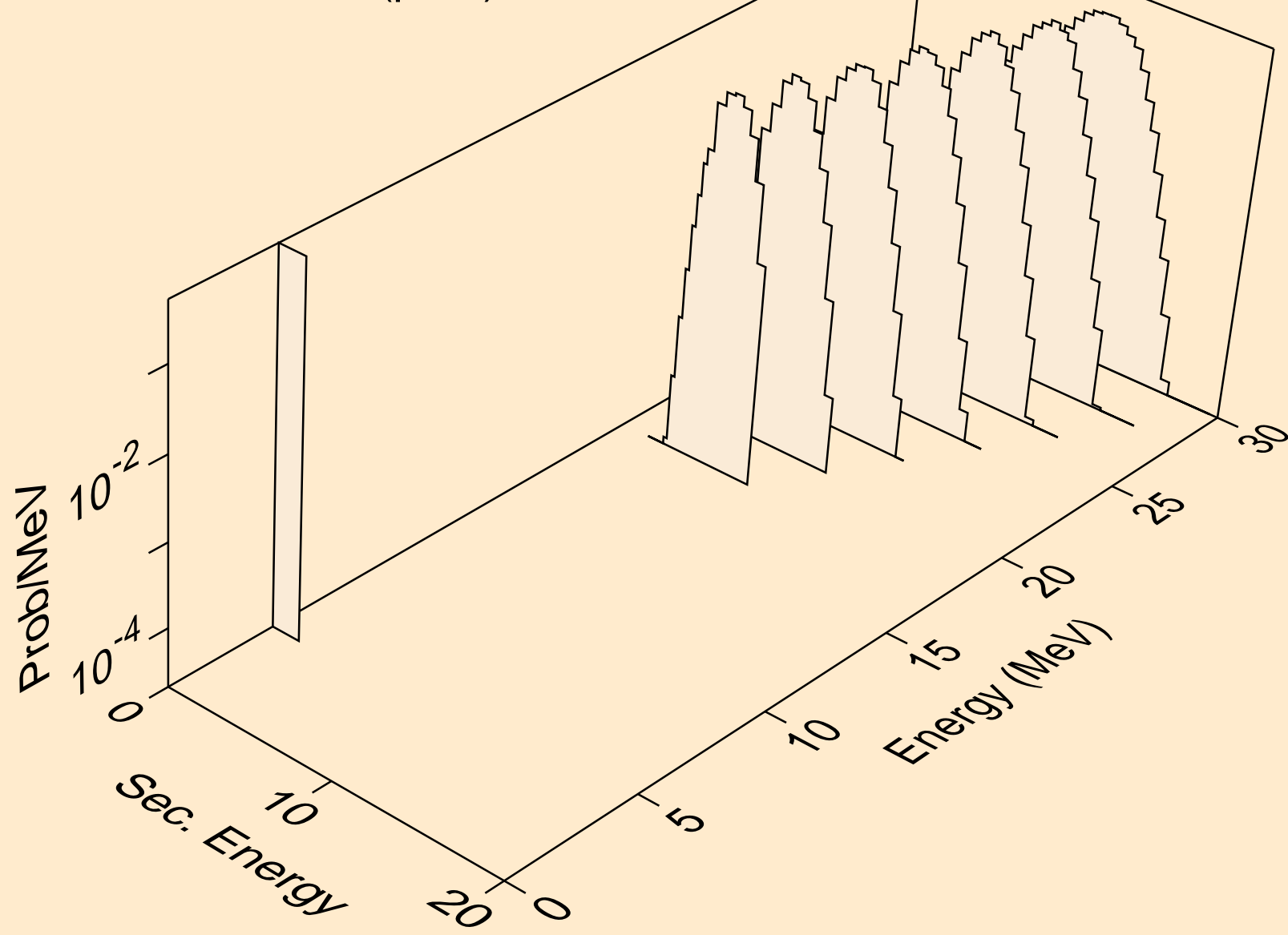
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deuterons from (p,d)



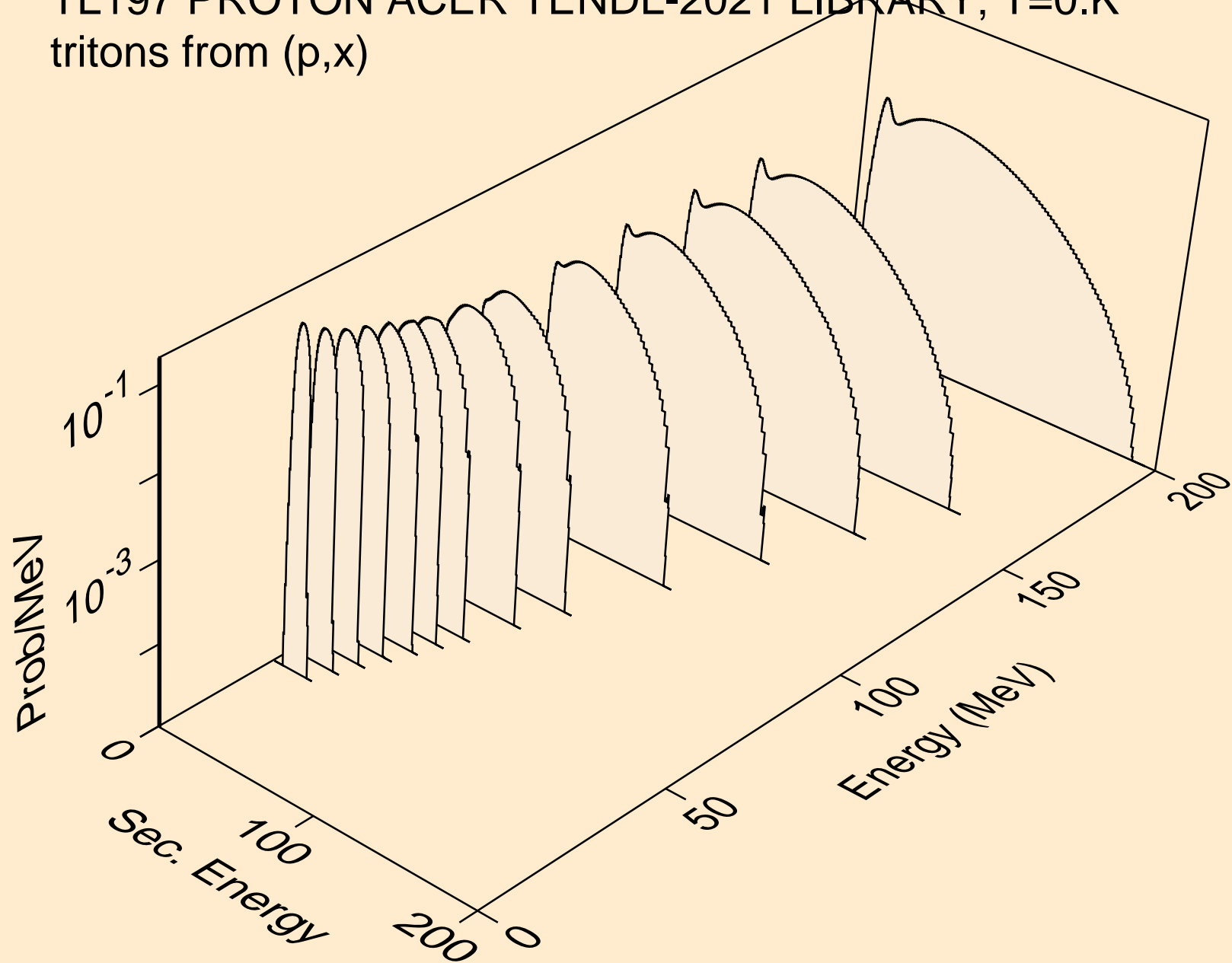
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,pd)



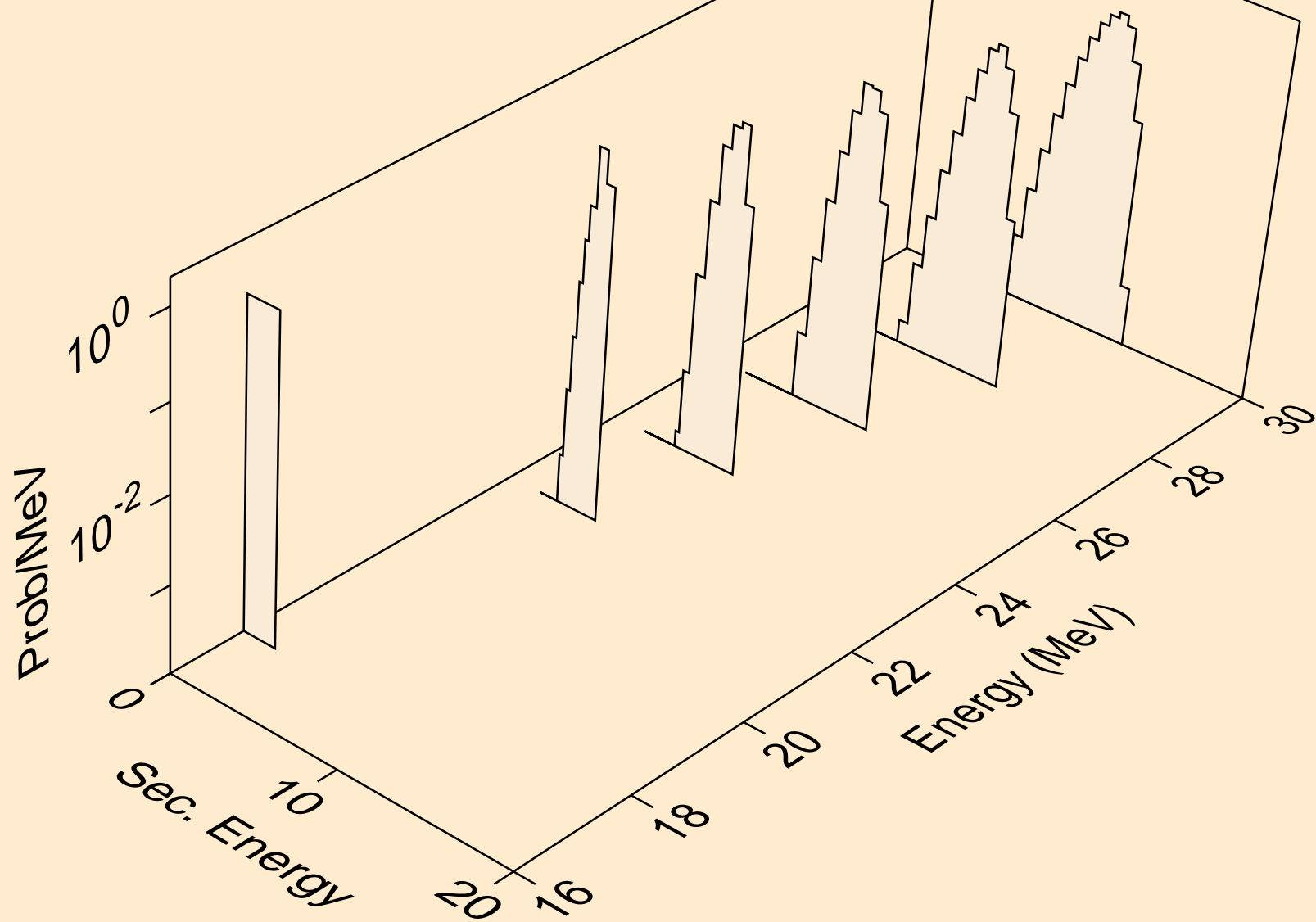
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,da)



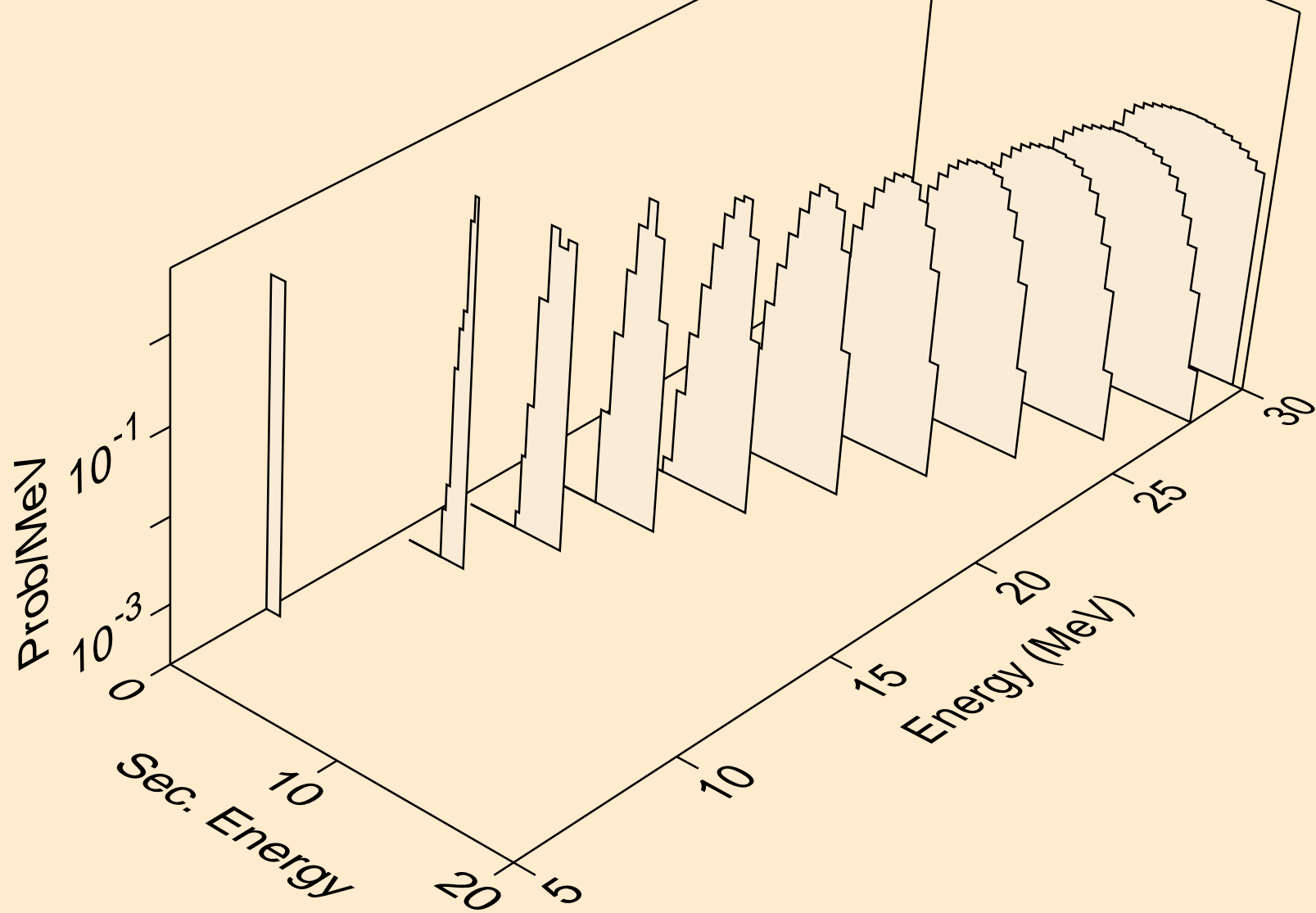
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,x)



TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,n\*)t

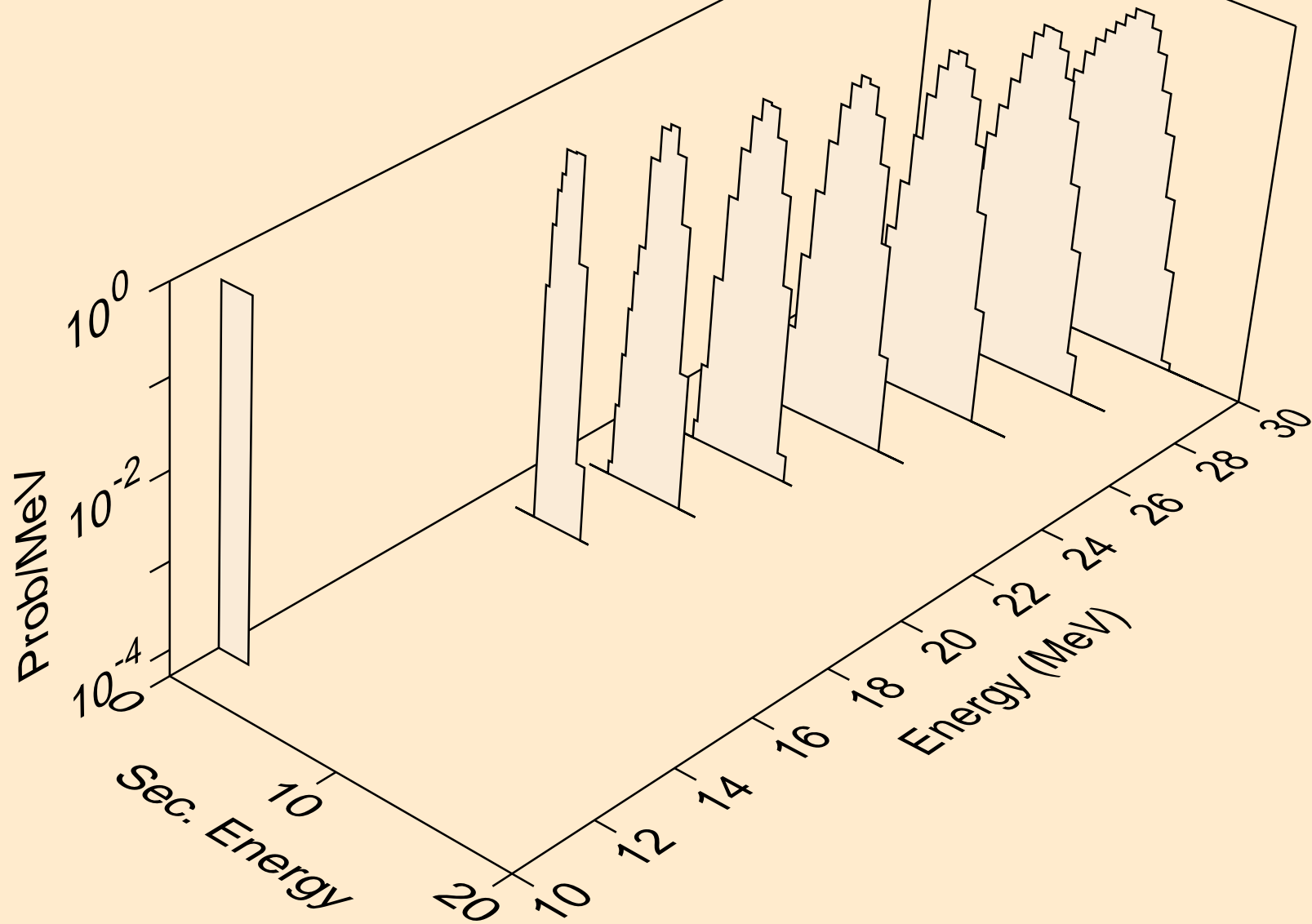


TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,t)

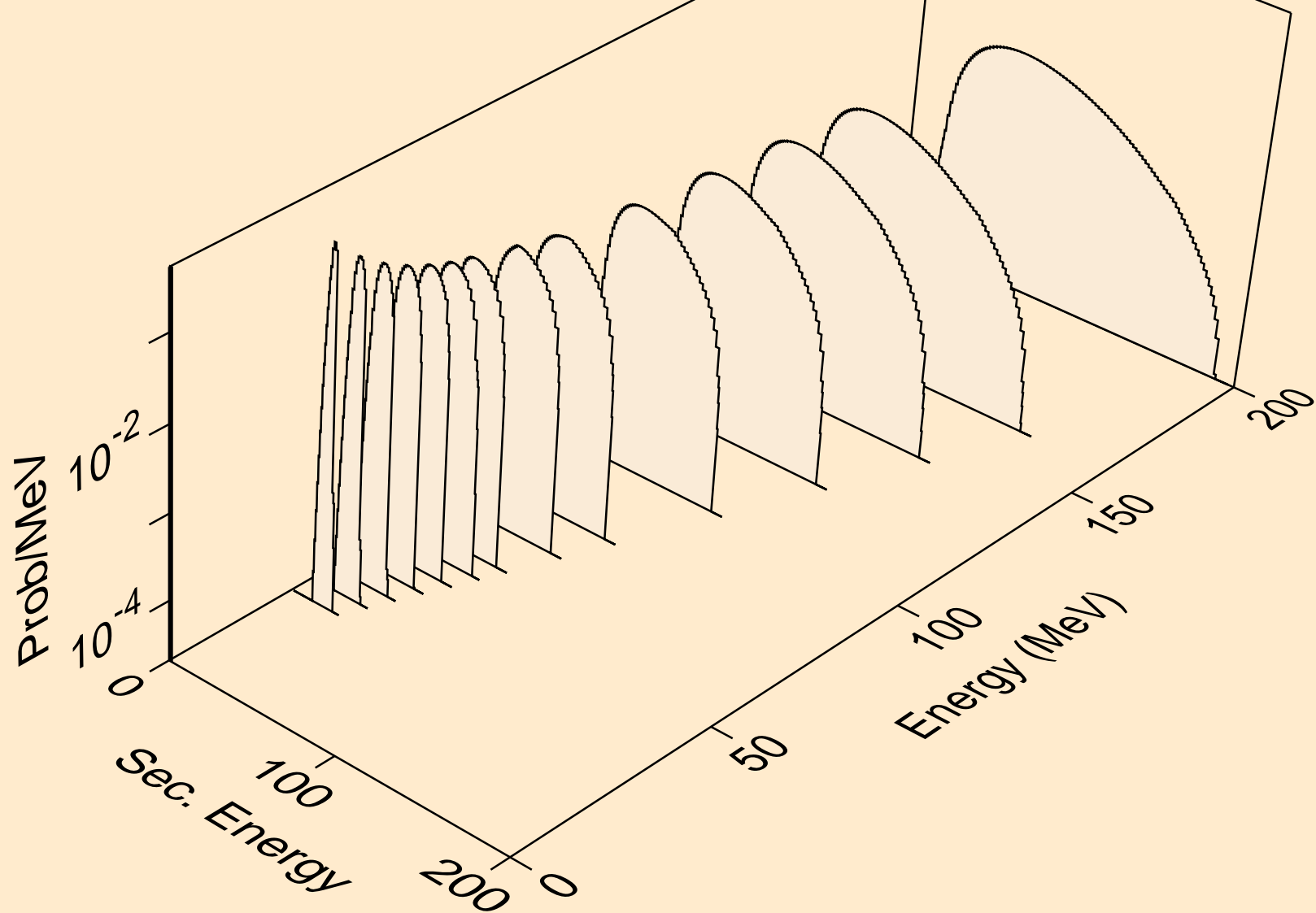




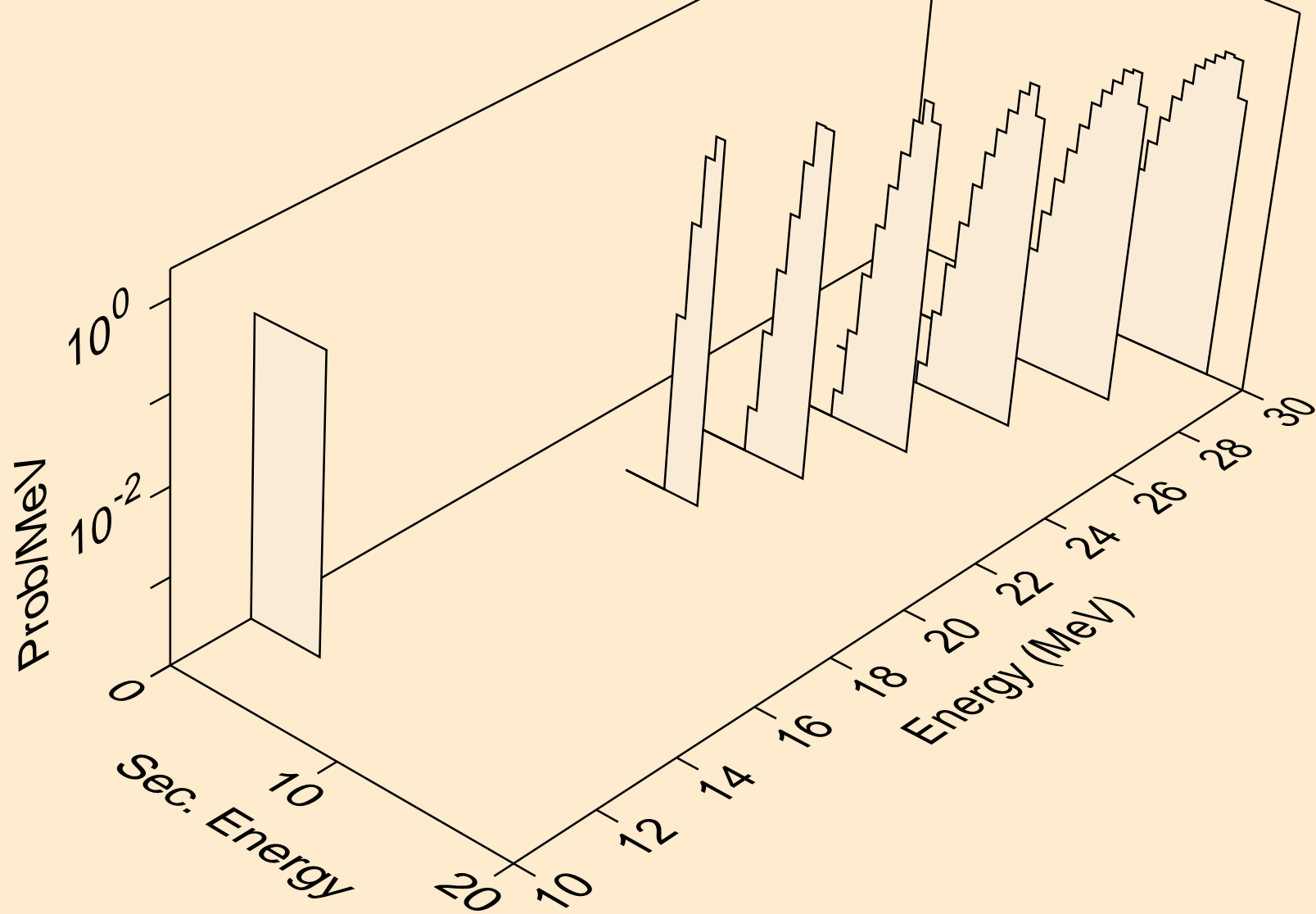
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,pt)



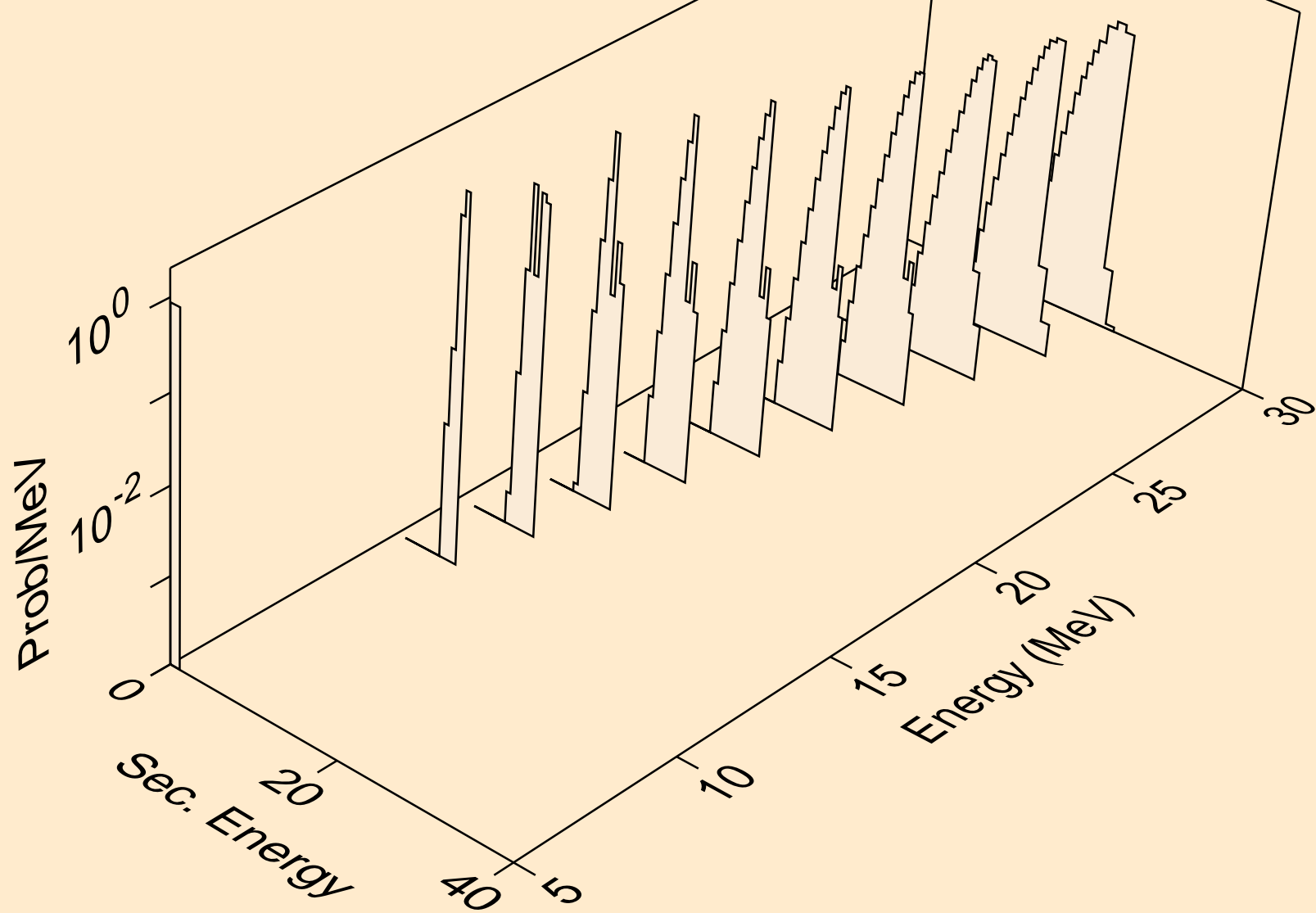
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,x)



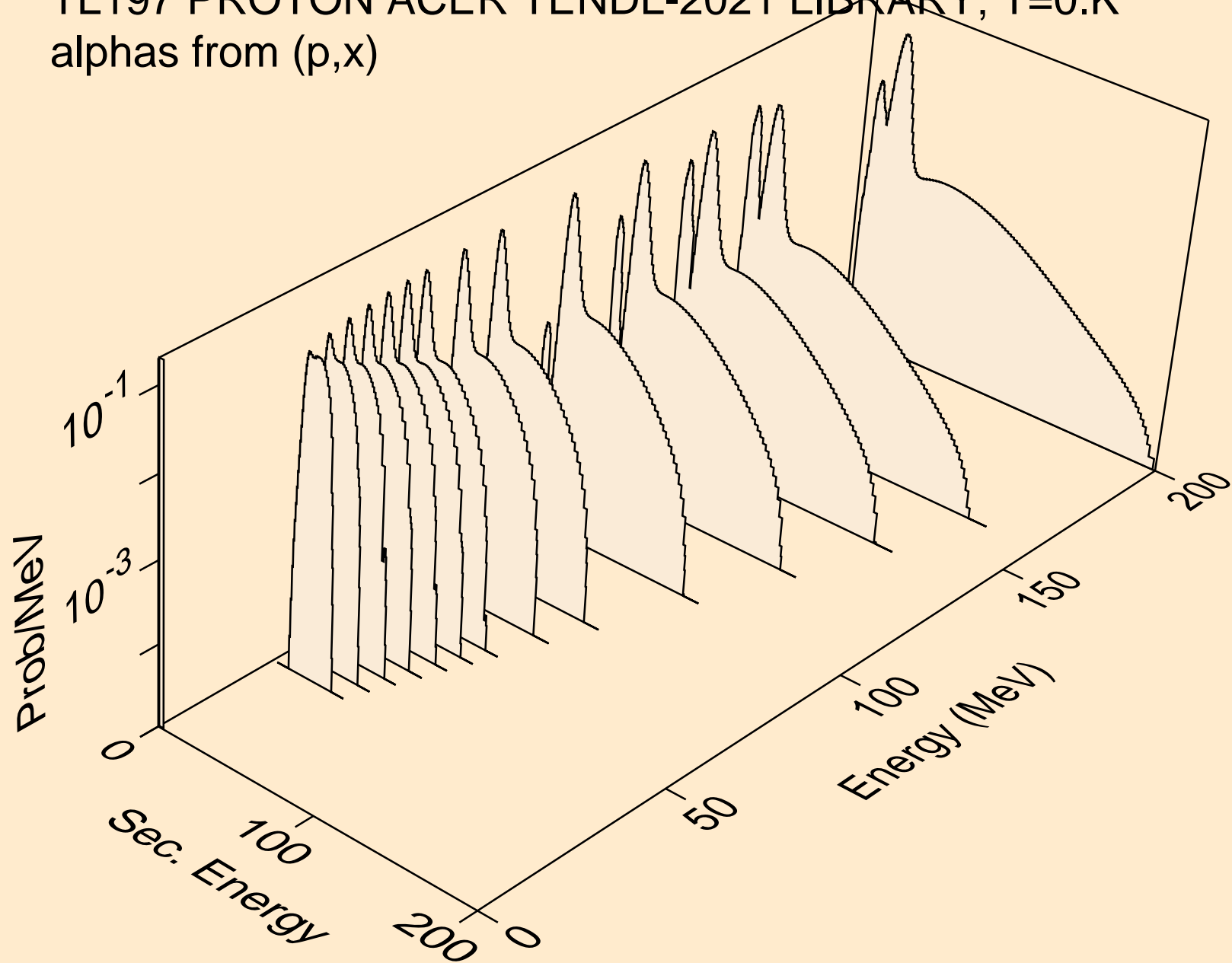
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,n\*)he3



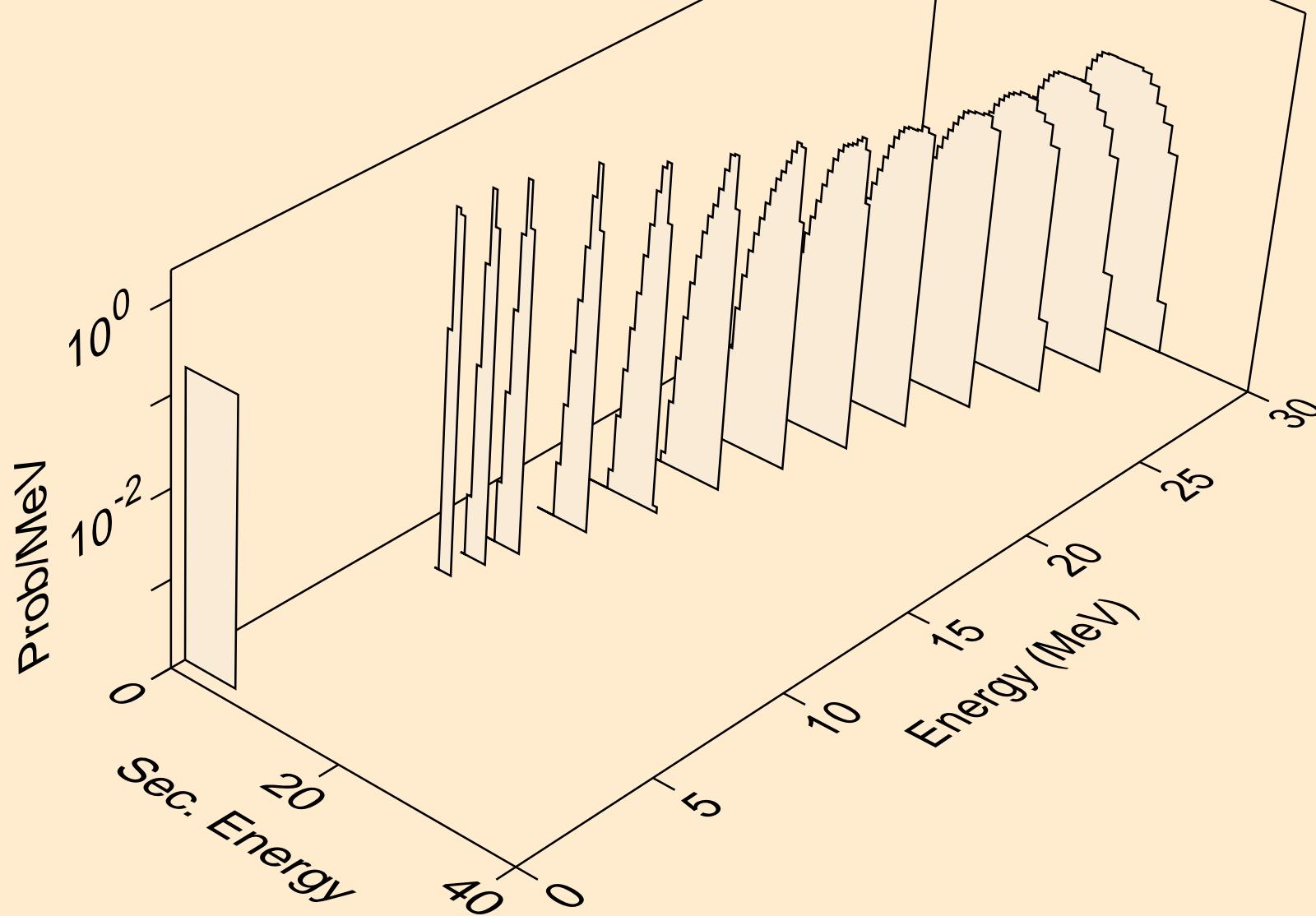
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he3s from (p,he3)



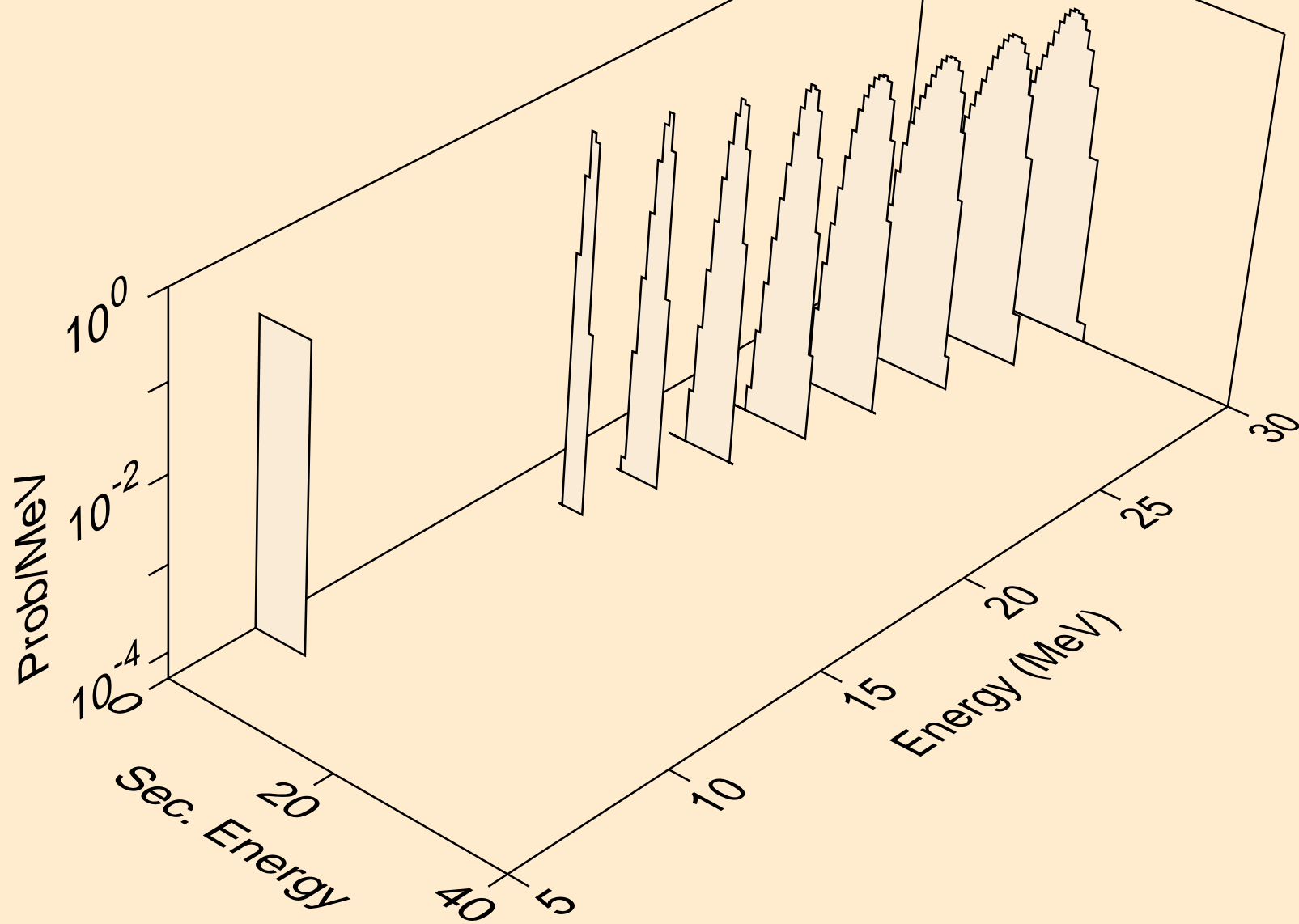
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,x)



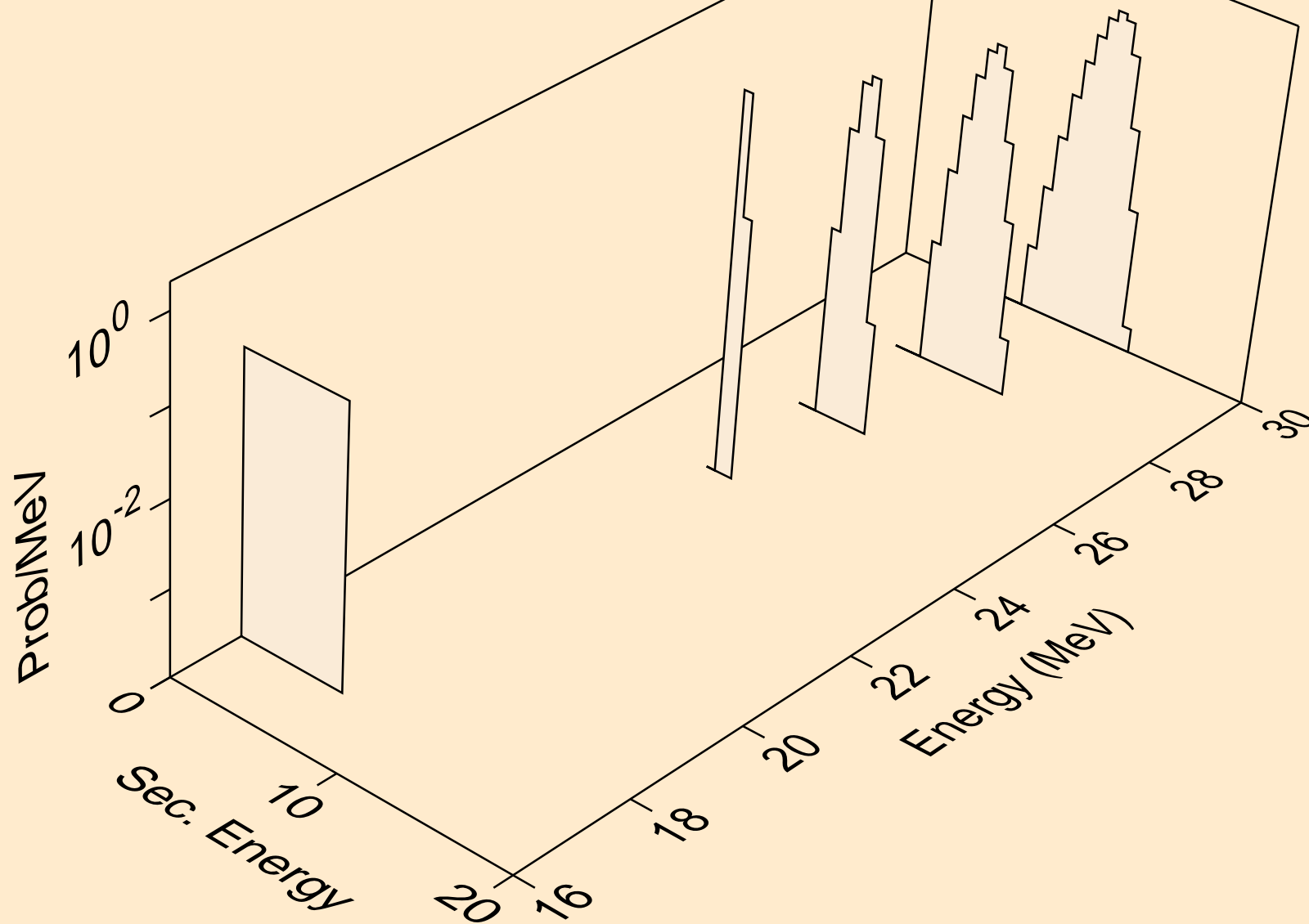
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)a



TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2n)a

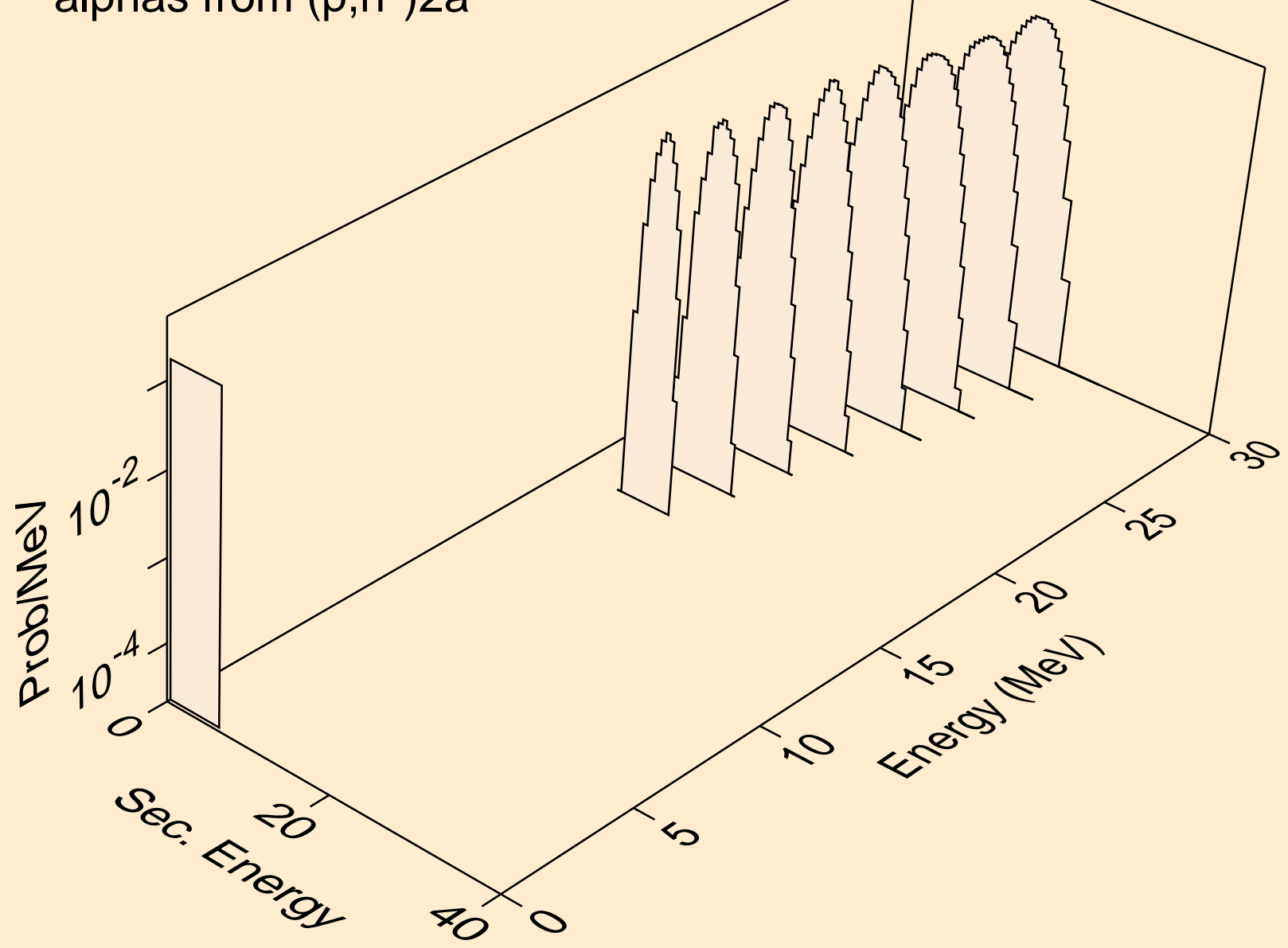


TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,3n)a

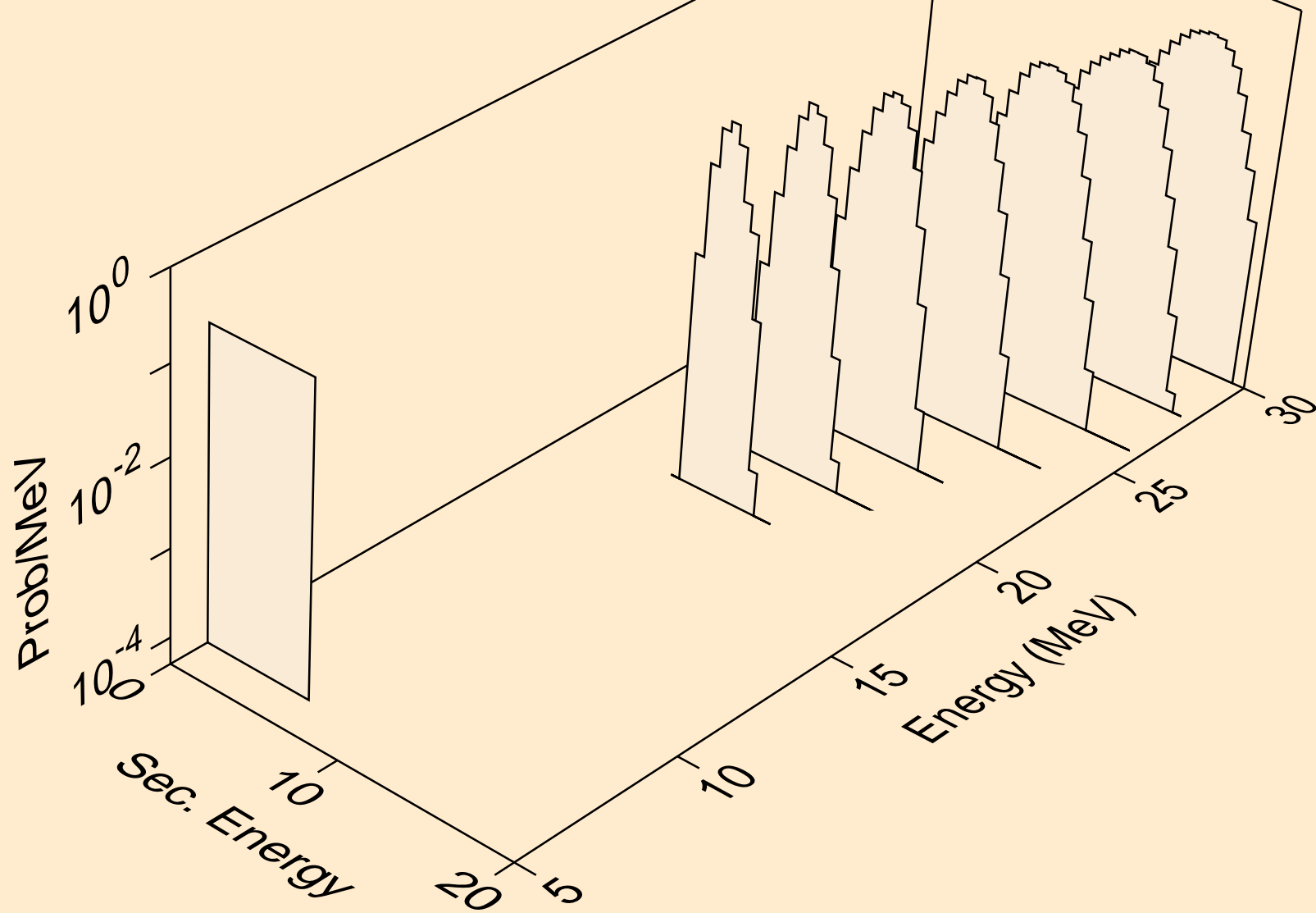




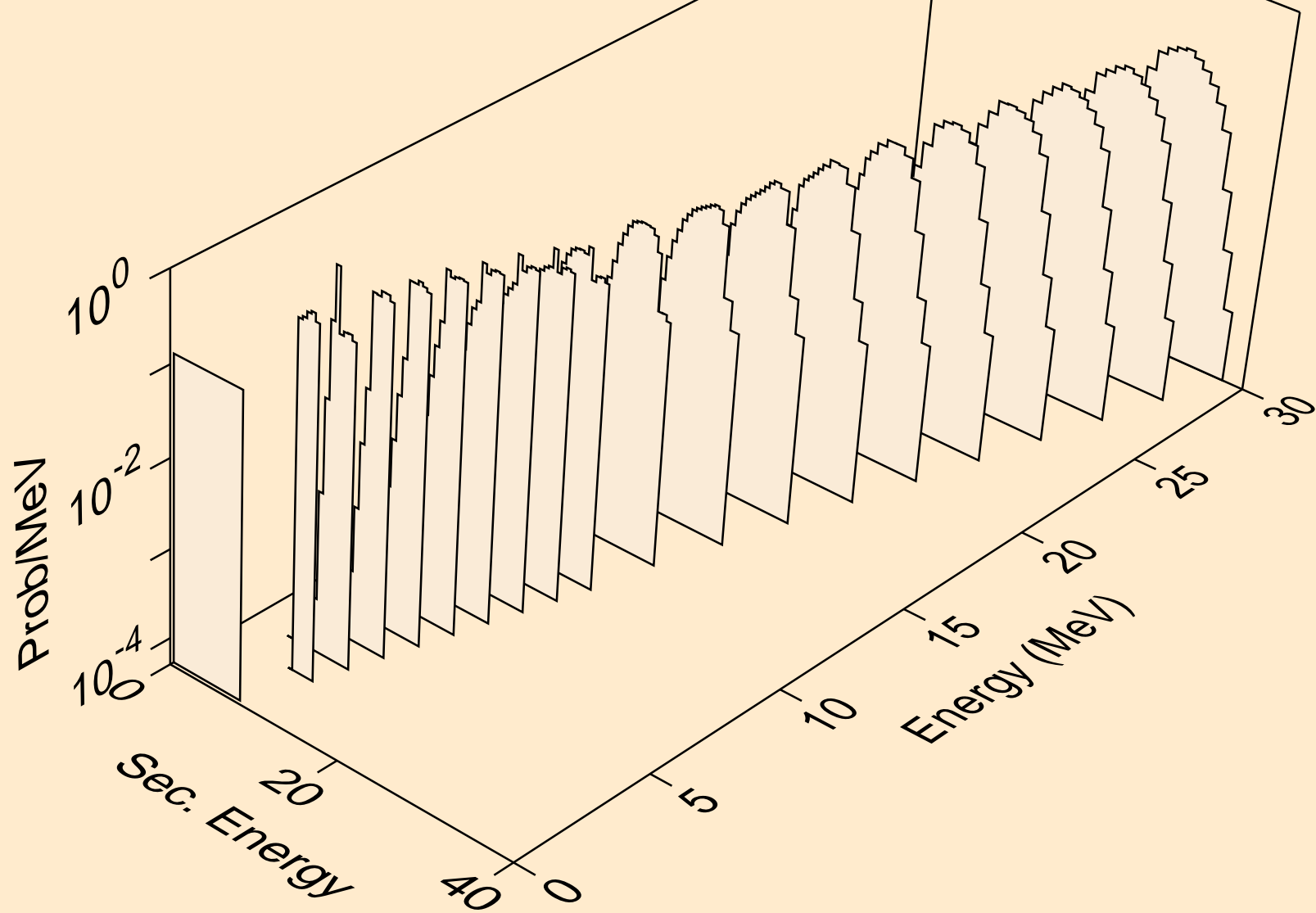
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)2a



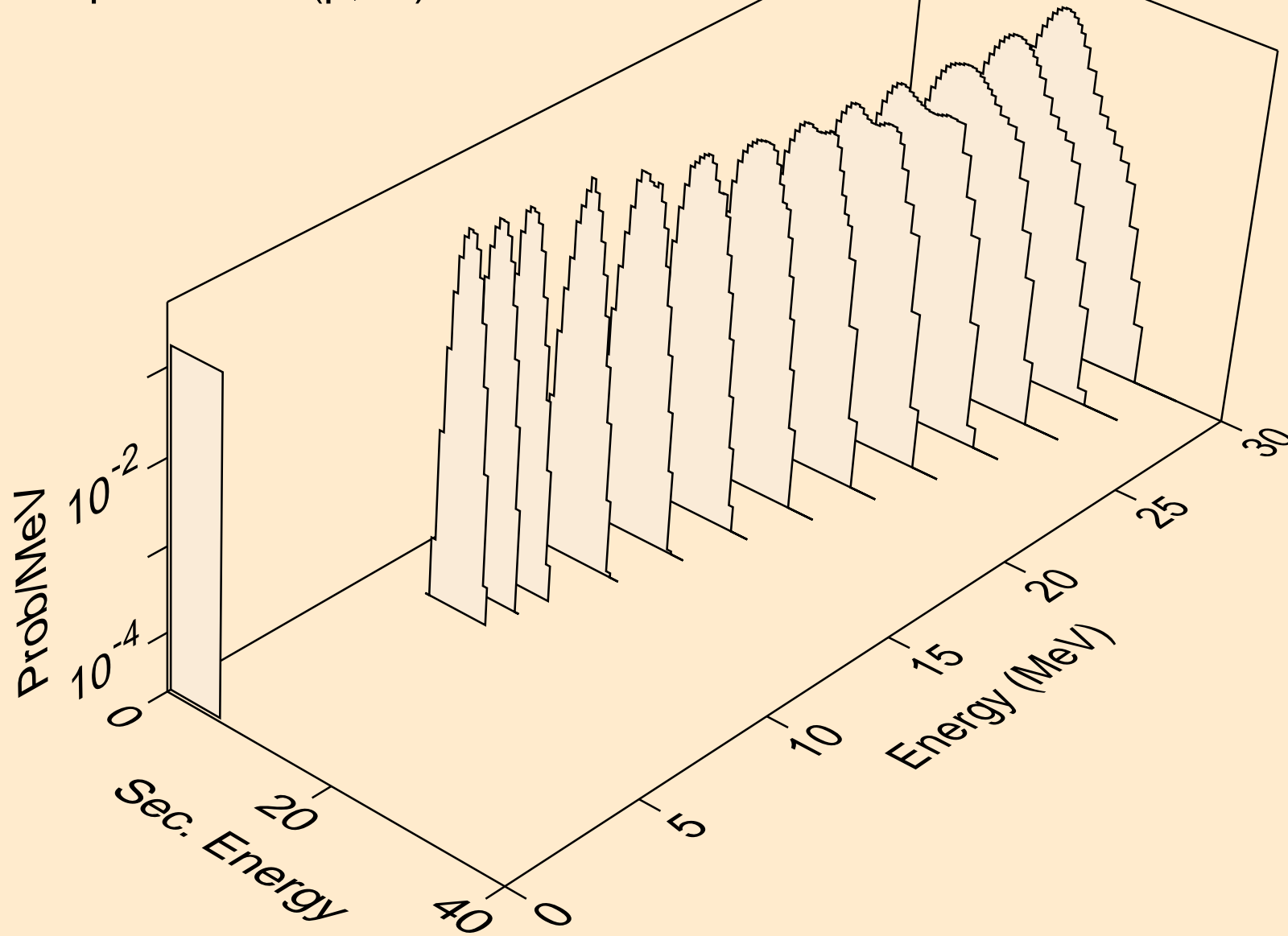
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,npa)



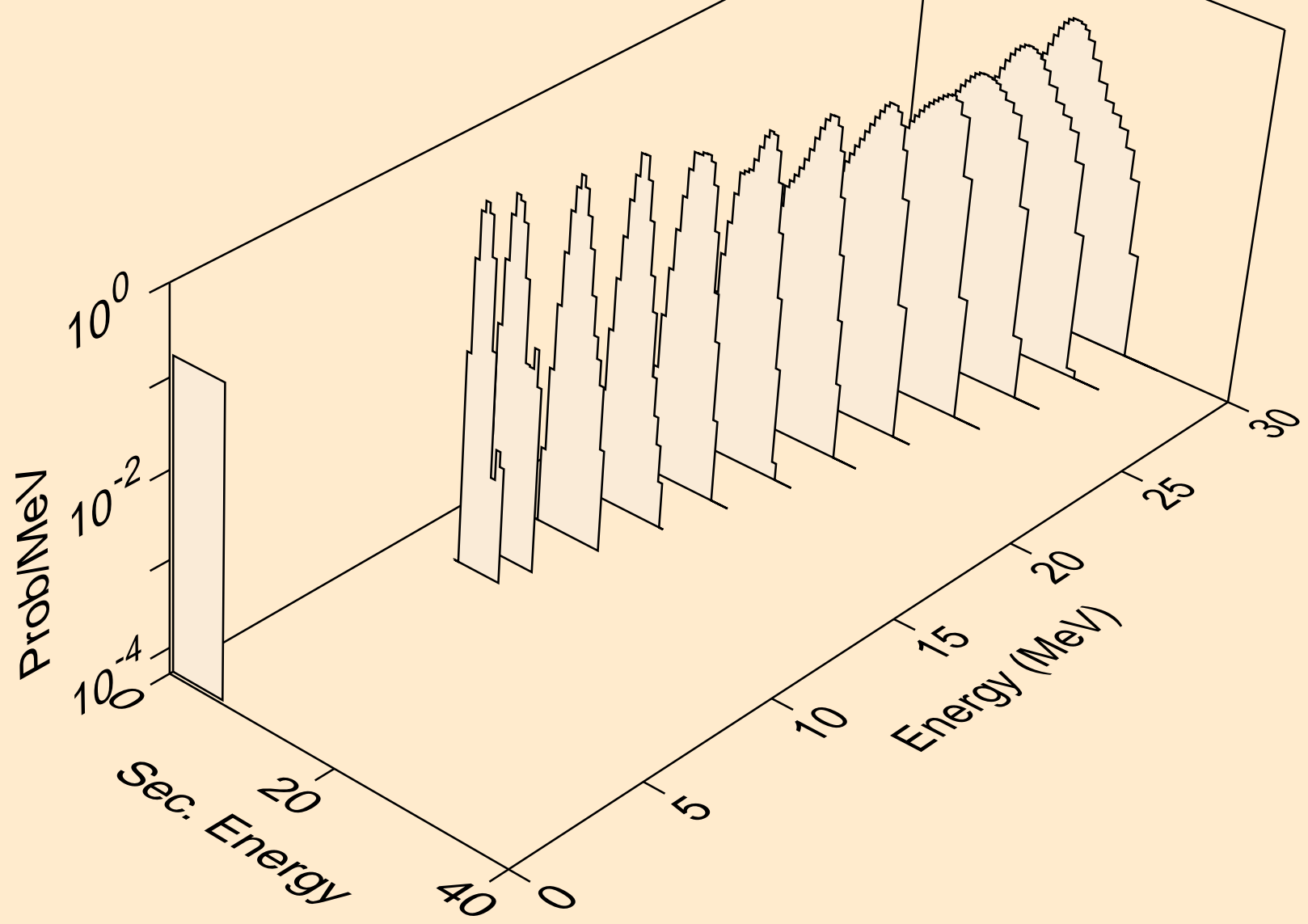
TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,a)



TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2a)



TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,pa)



TL197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,da)

