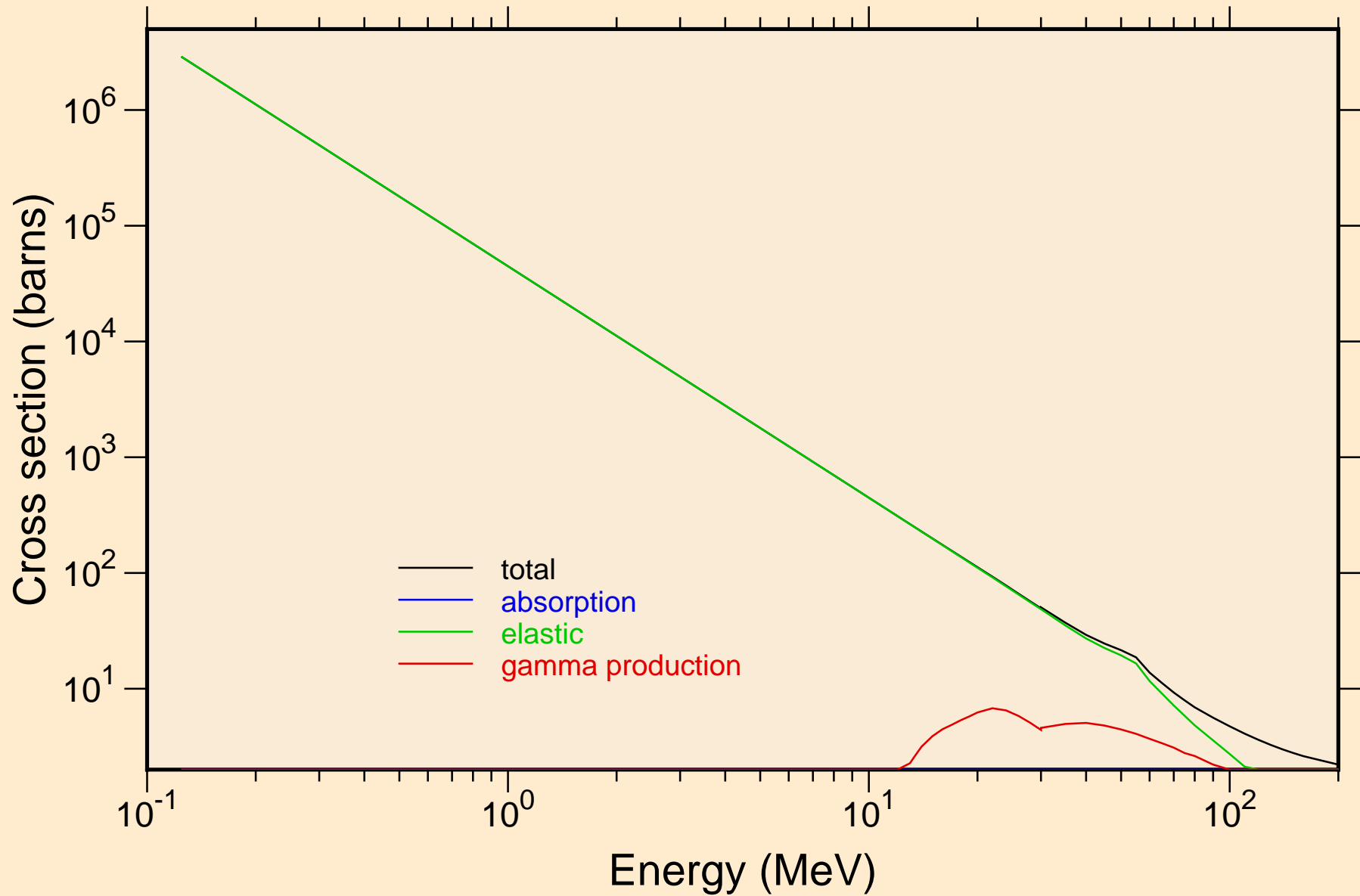
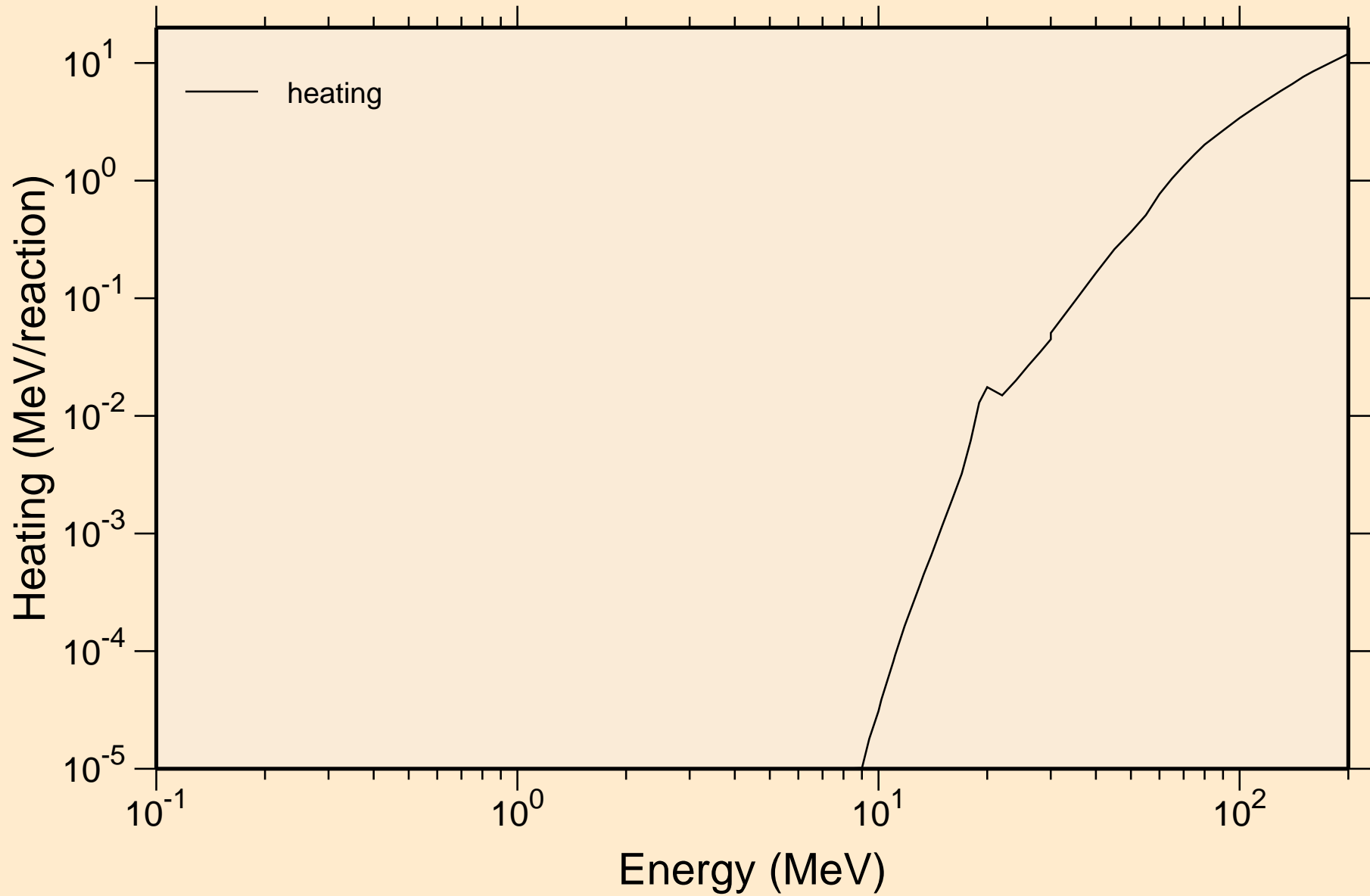


AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Principal cross sections



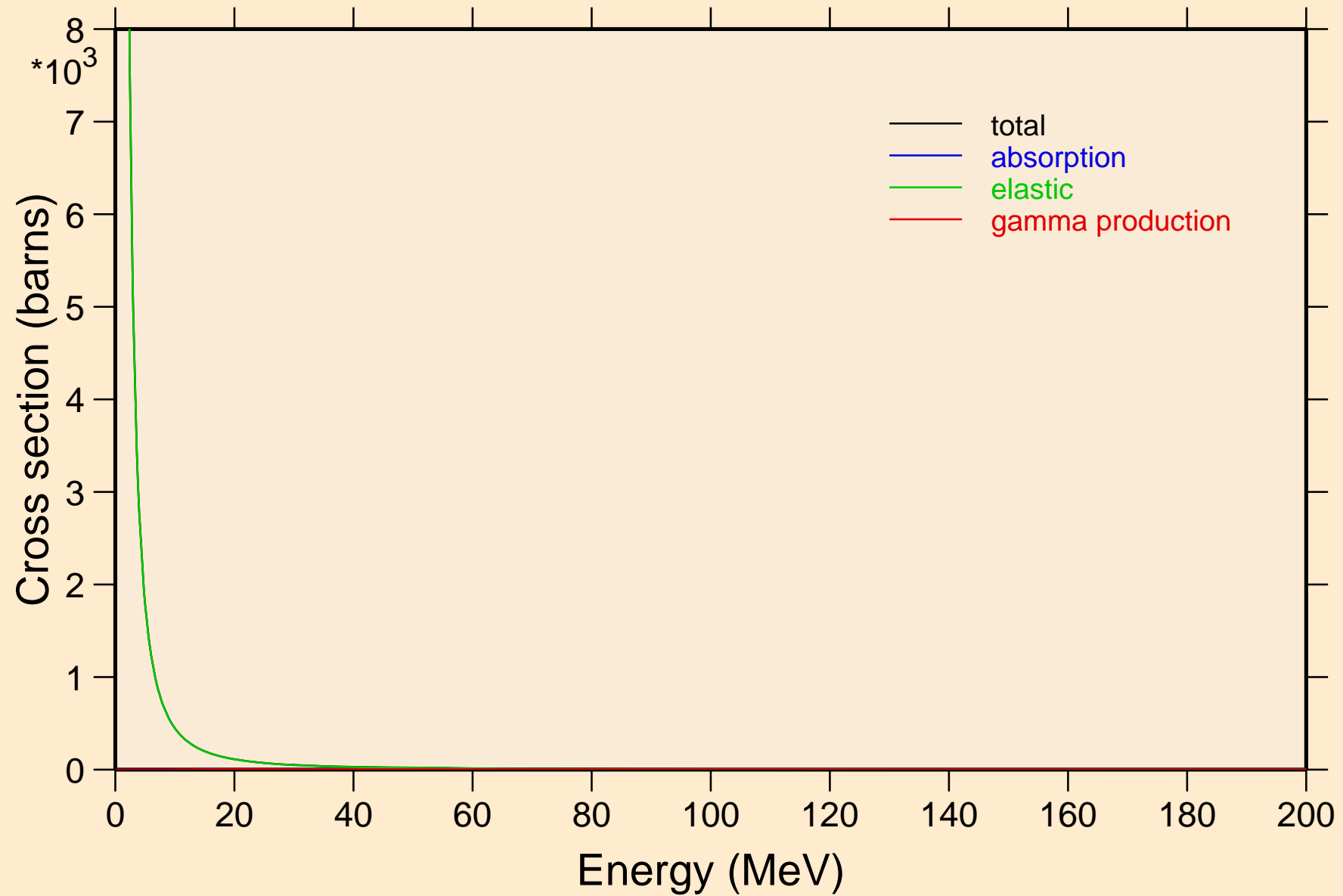
# AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Heating



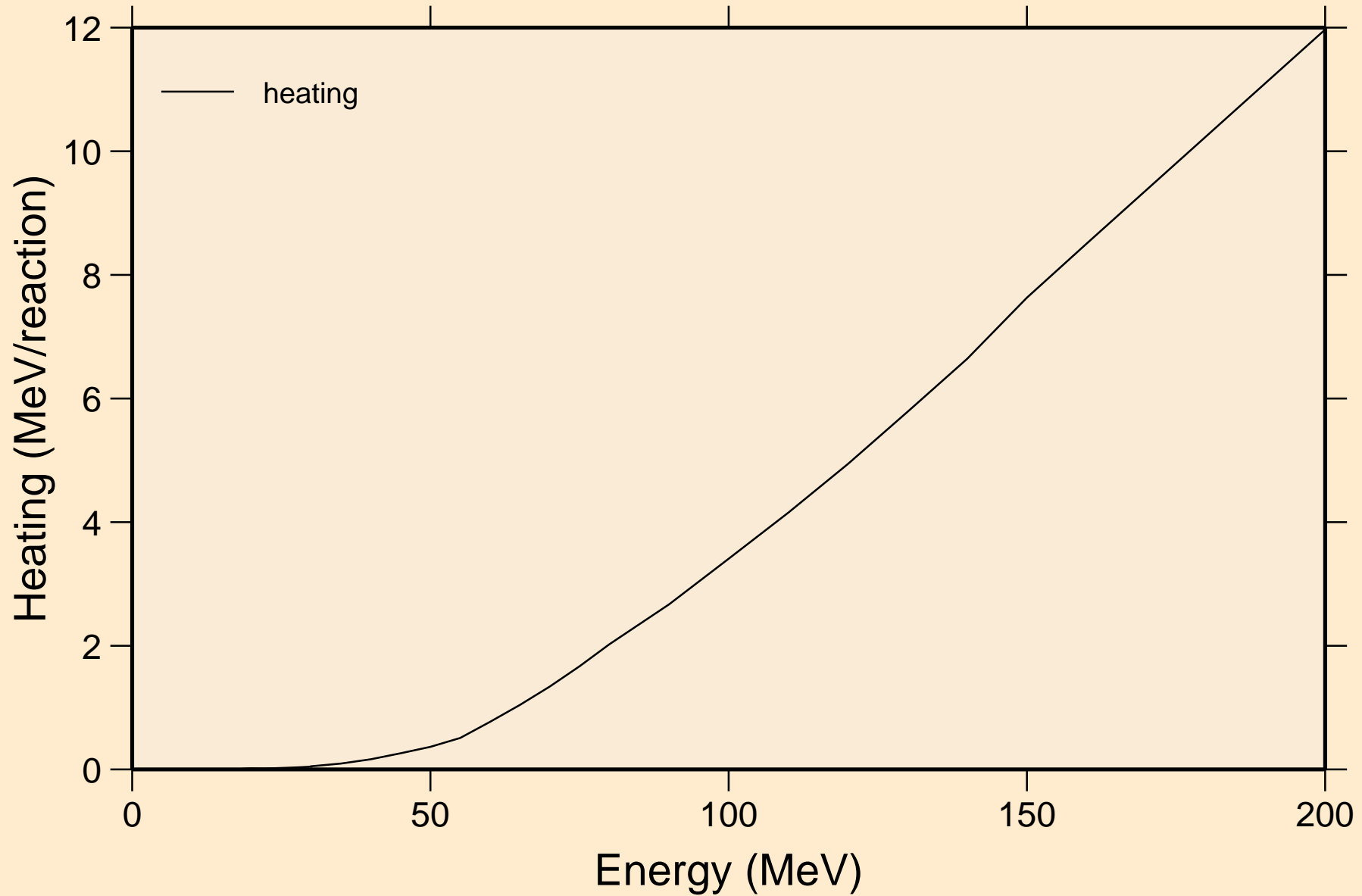
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## Principal cross sections



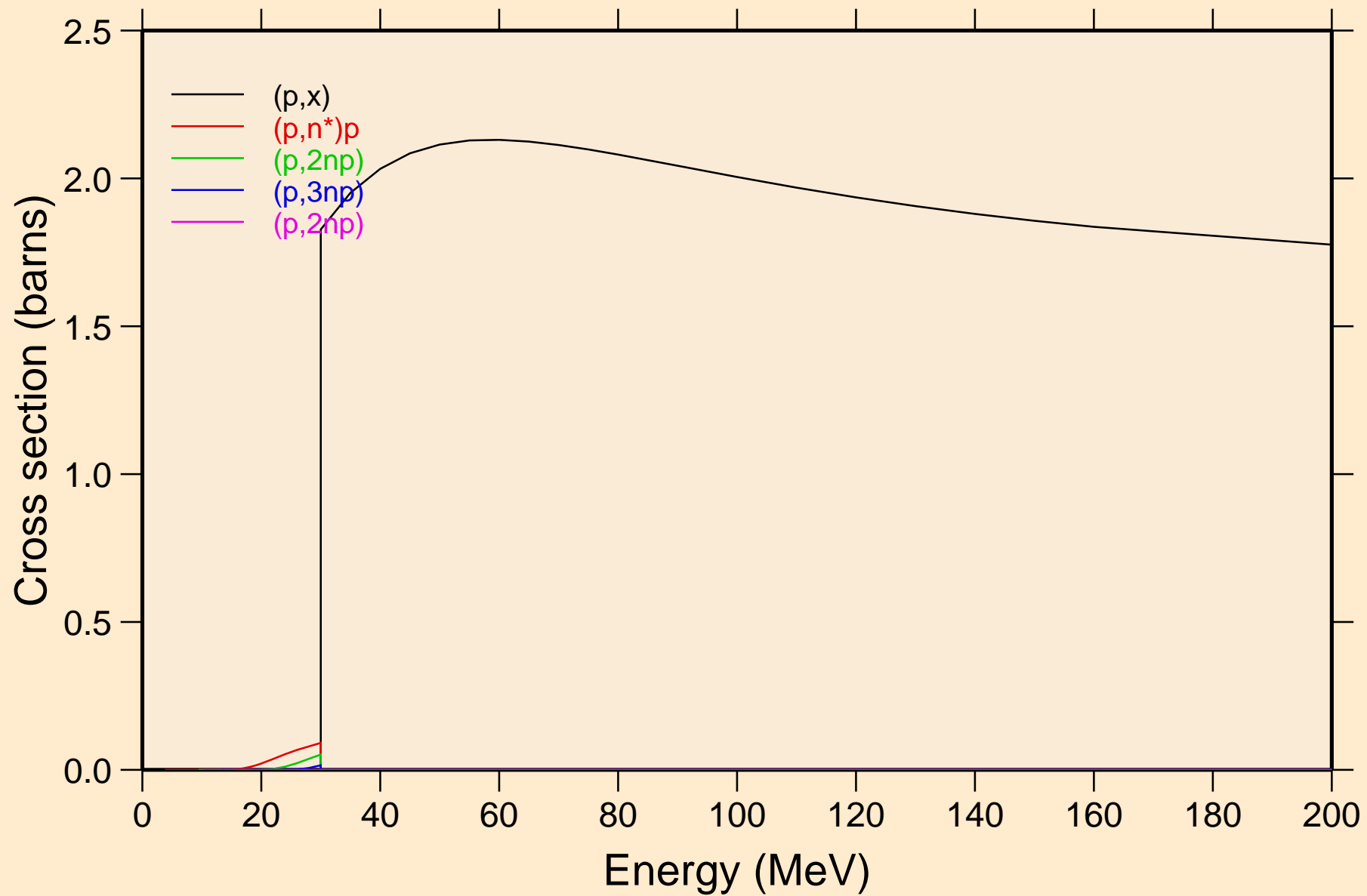
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K

Heating

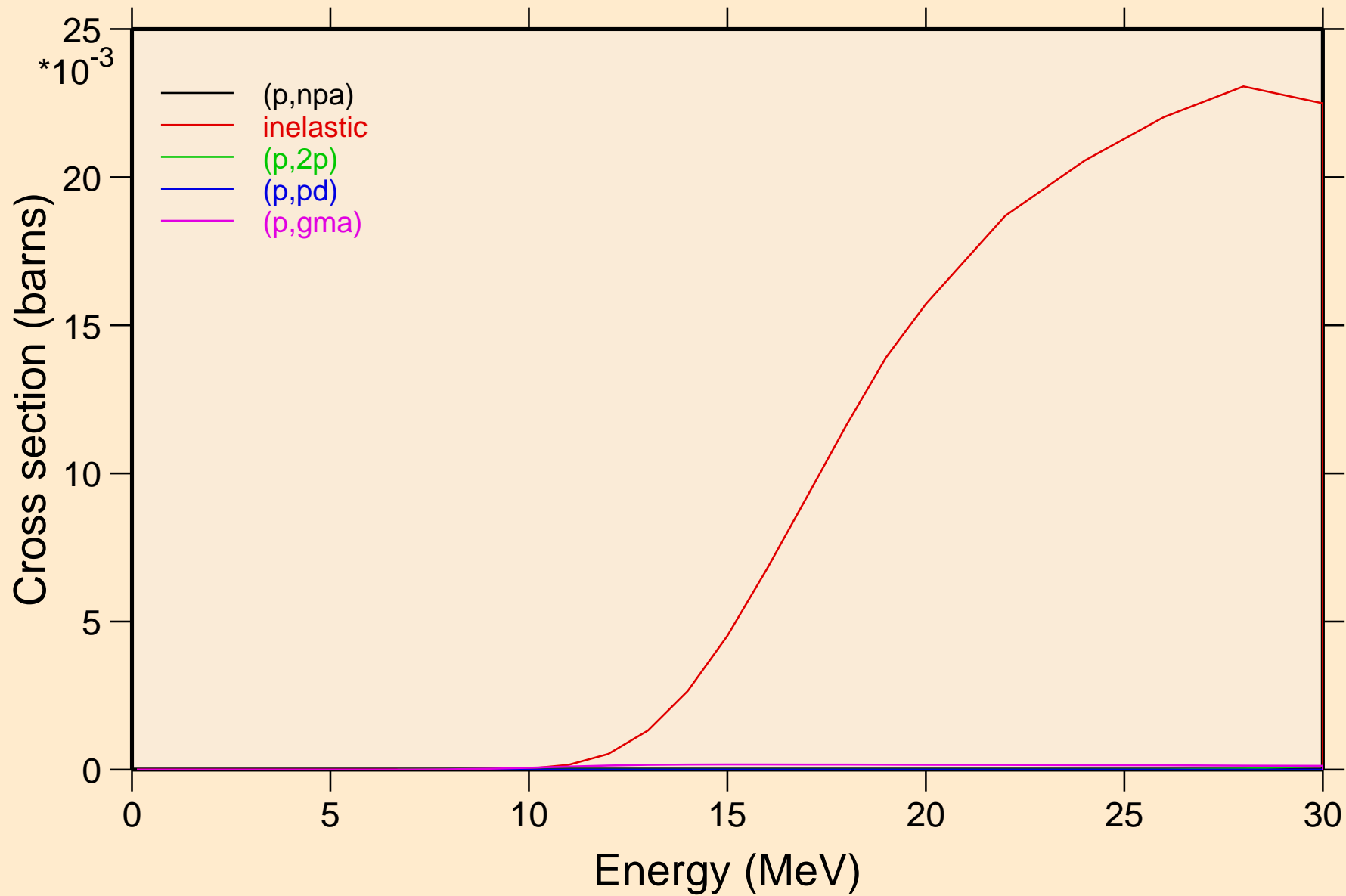


# AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K

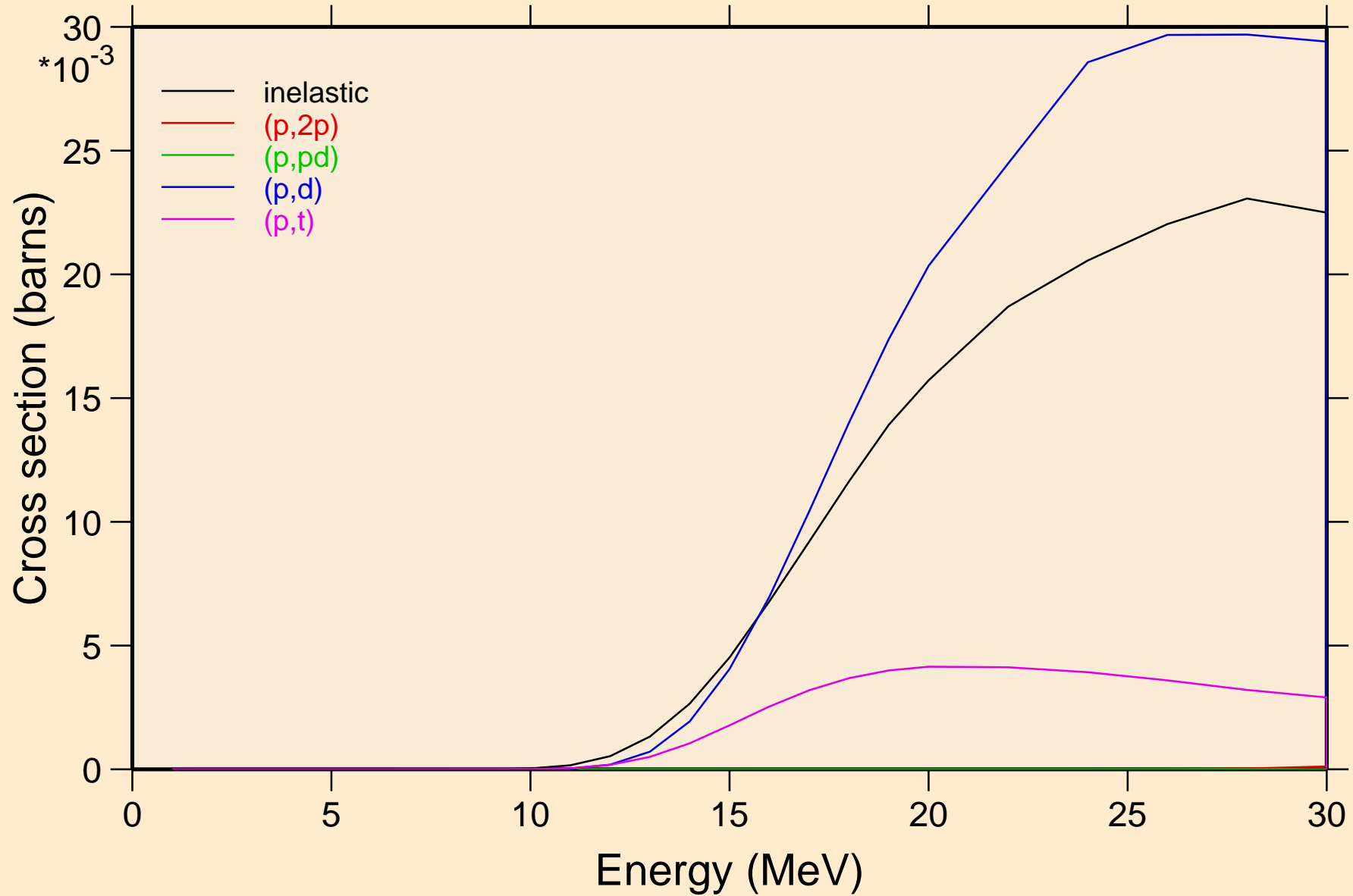
## Threshold reactions



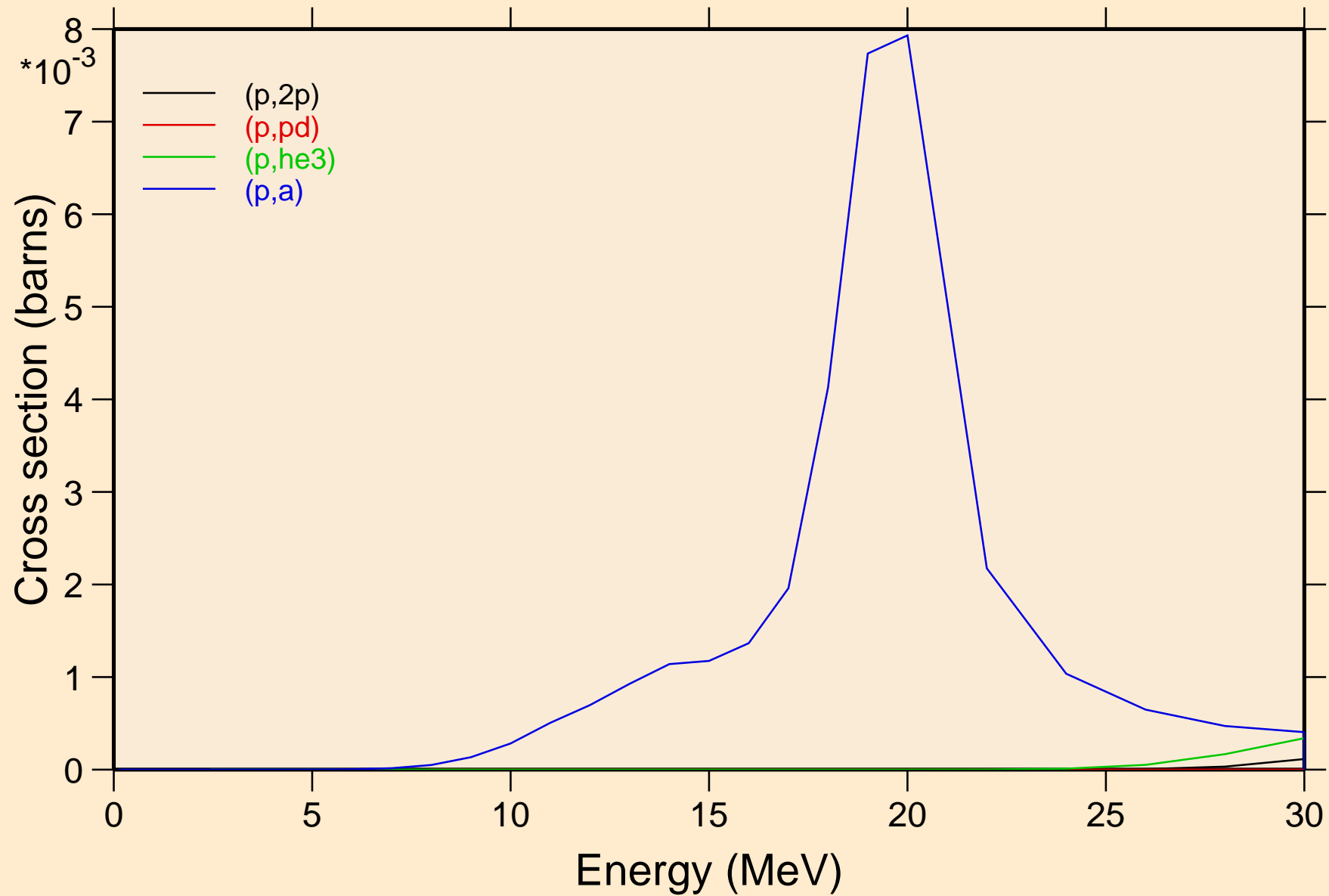
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

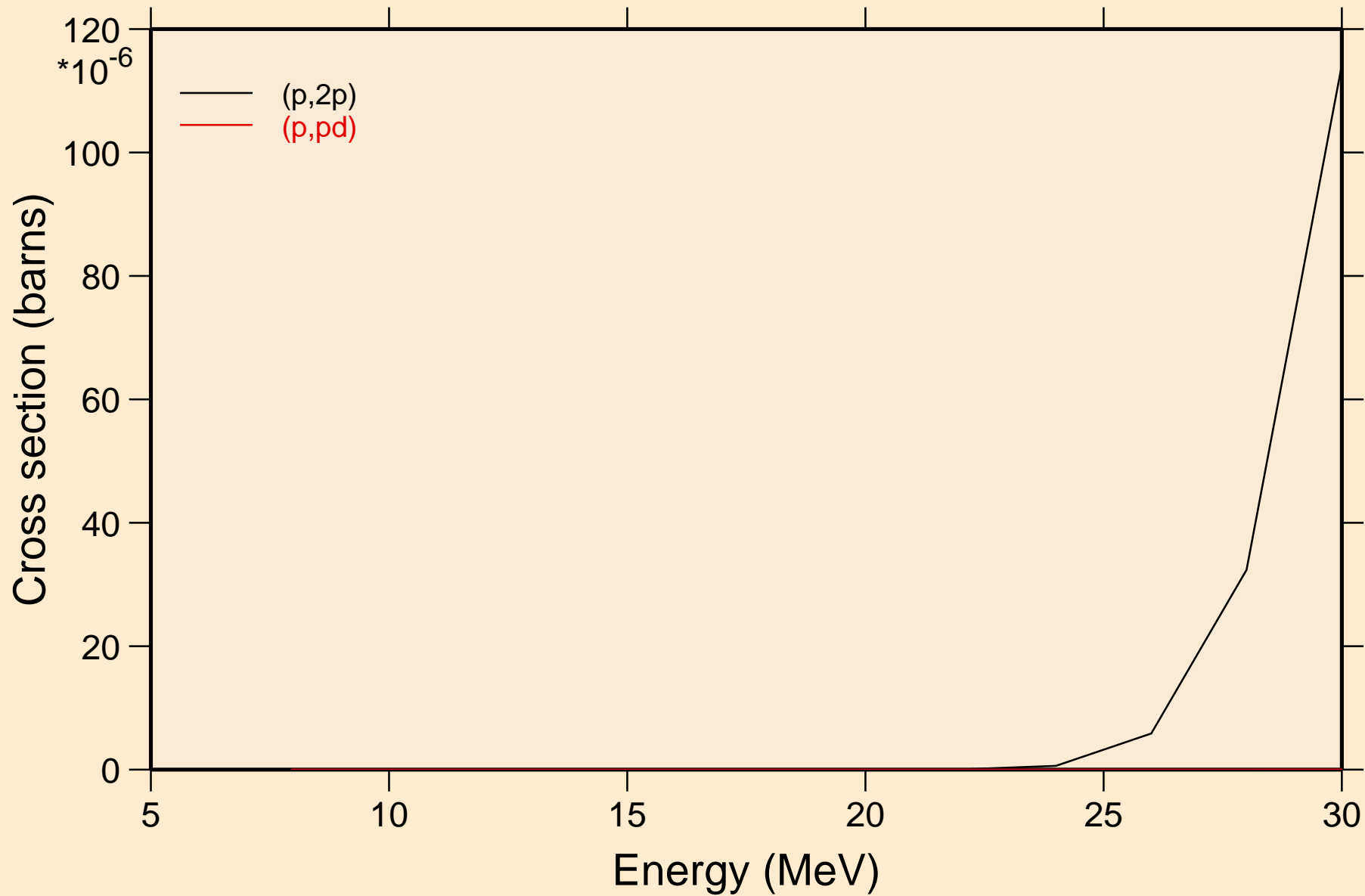


AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

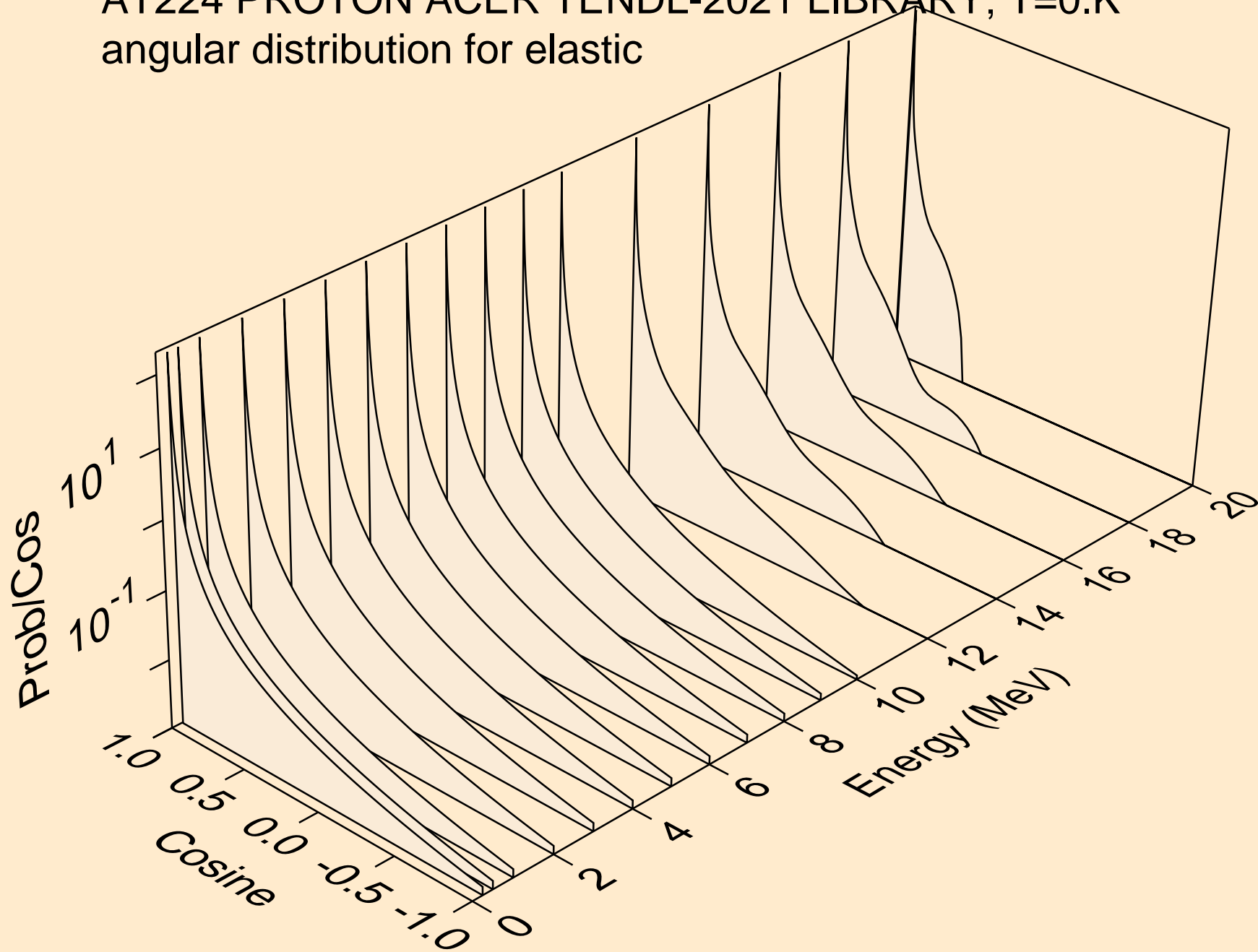




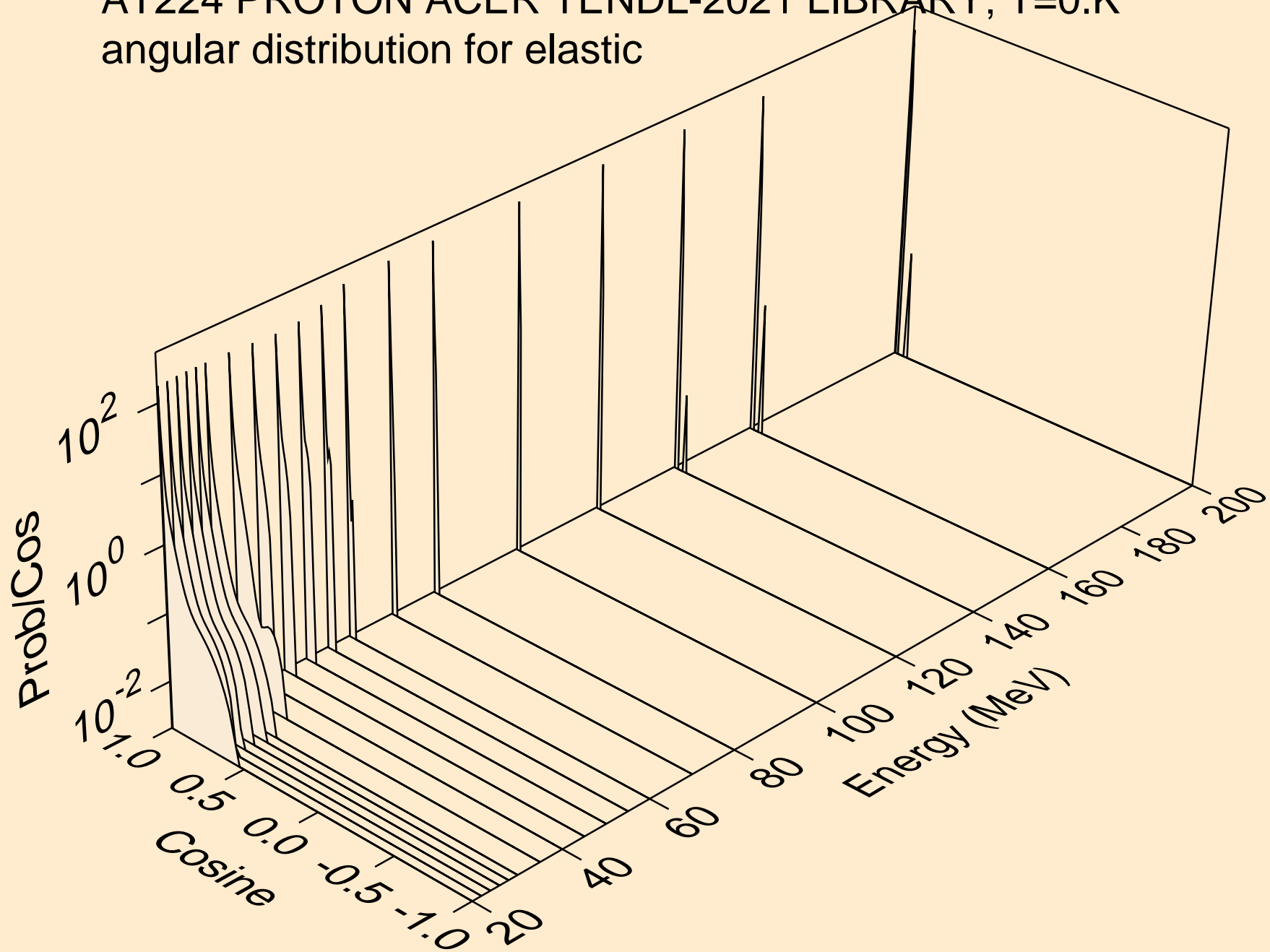
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



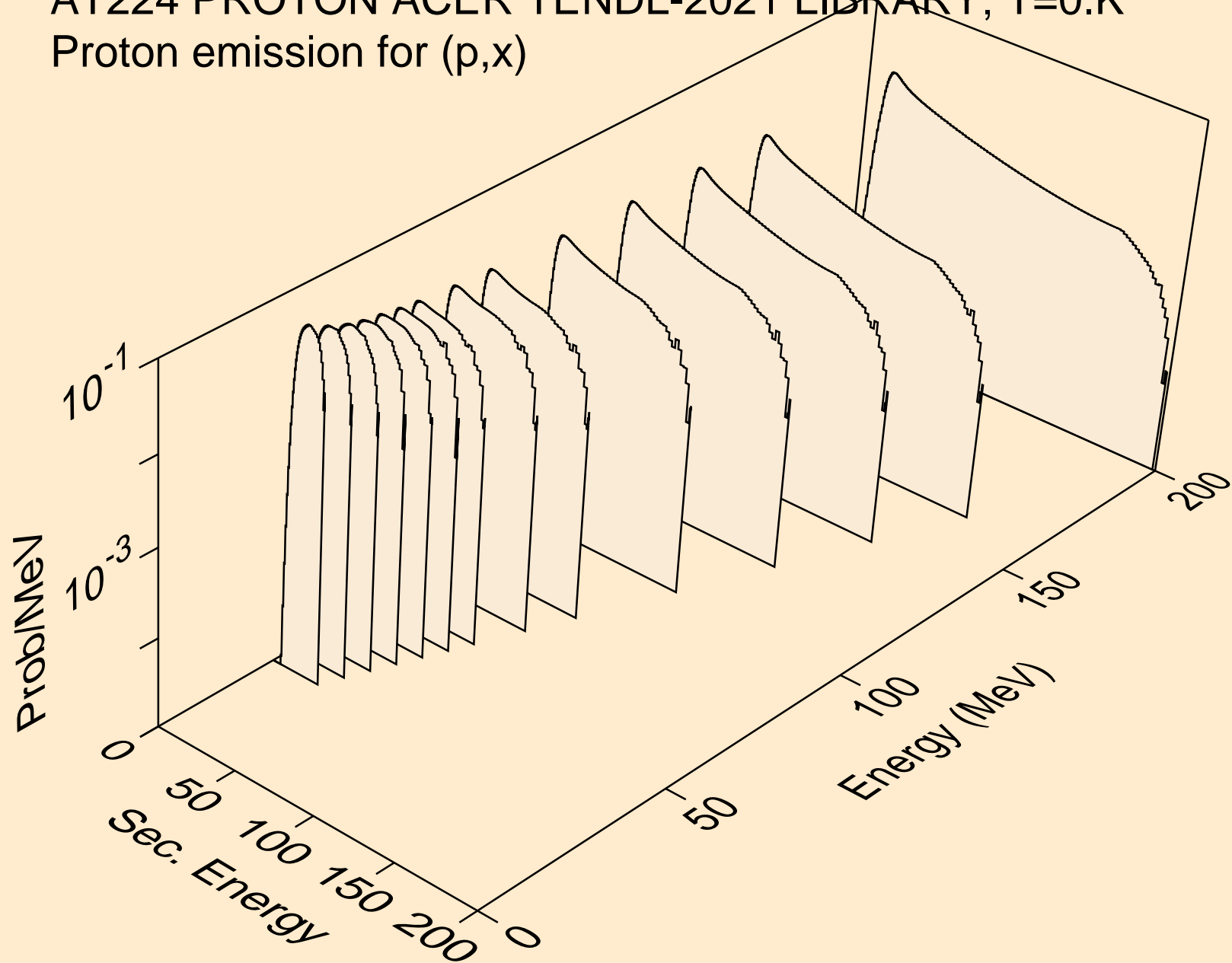
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



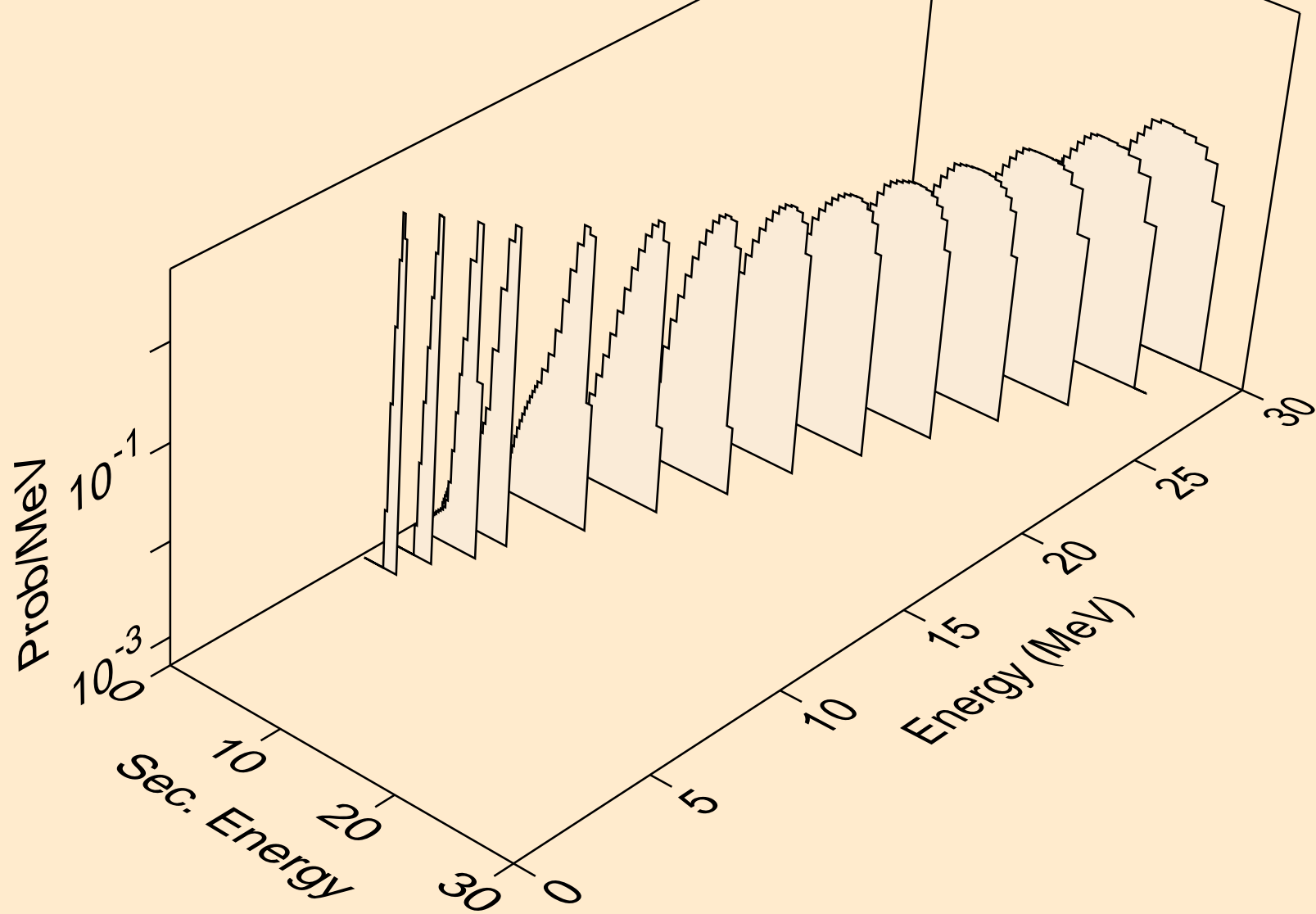
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



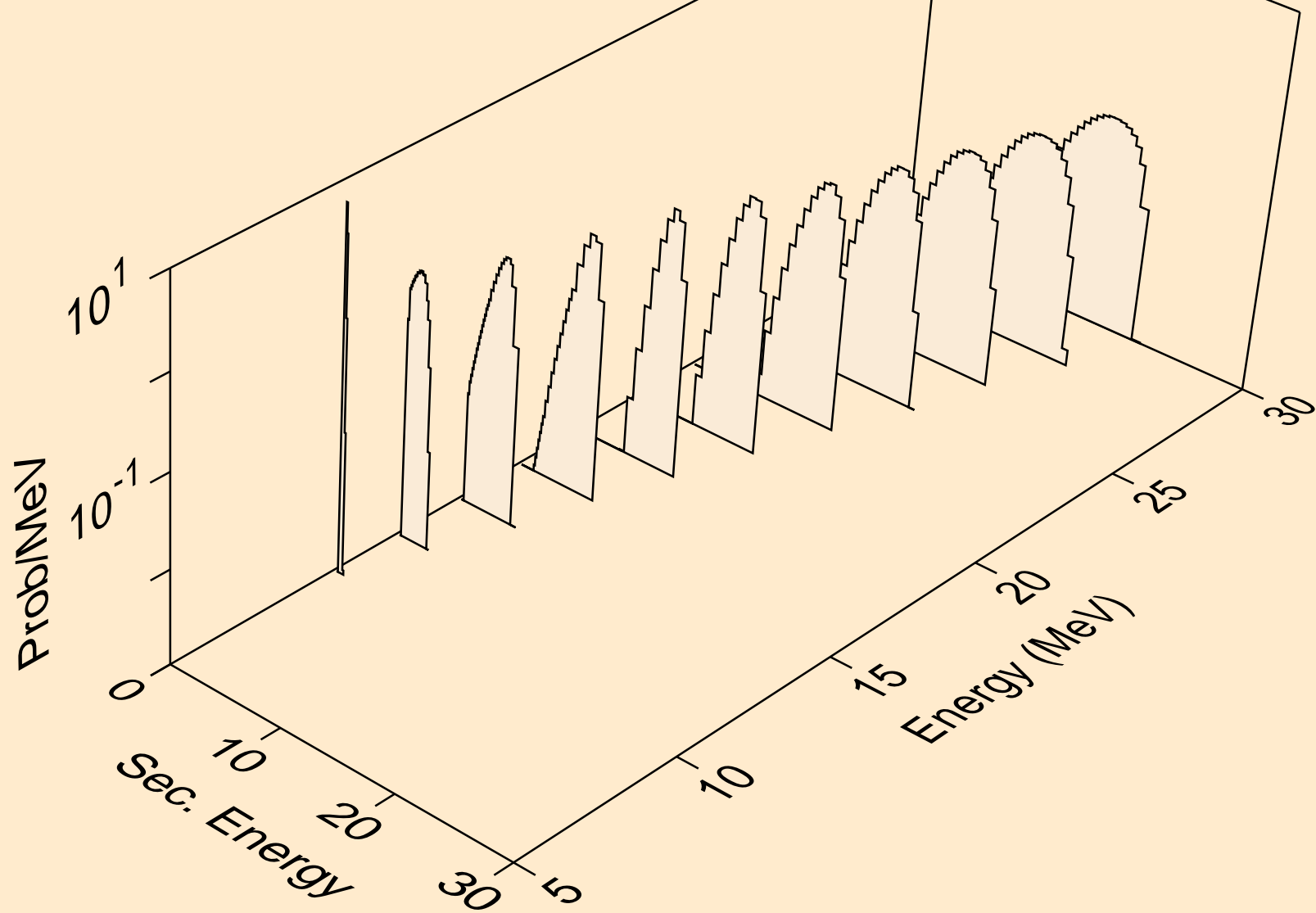
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,x)



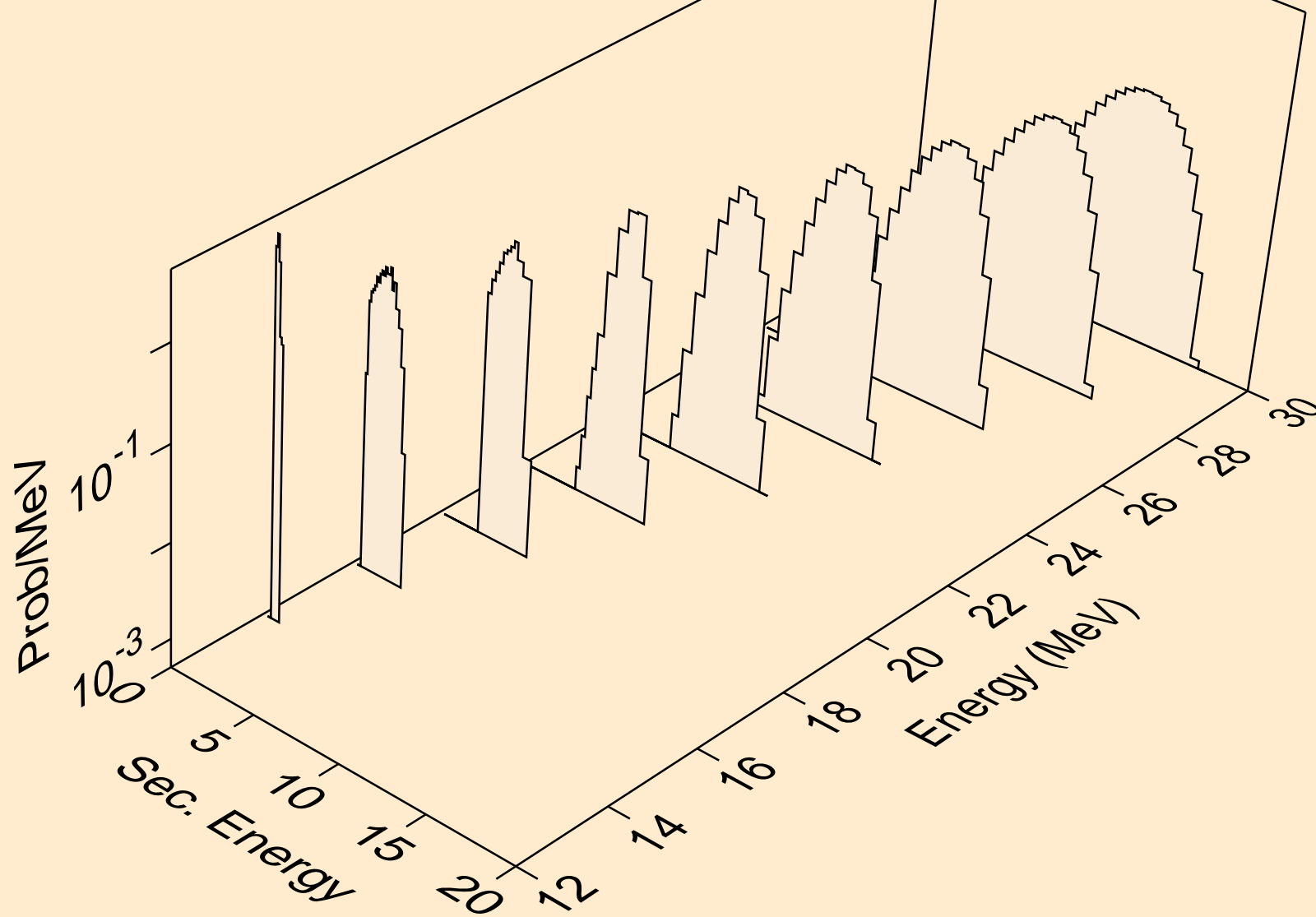
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



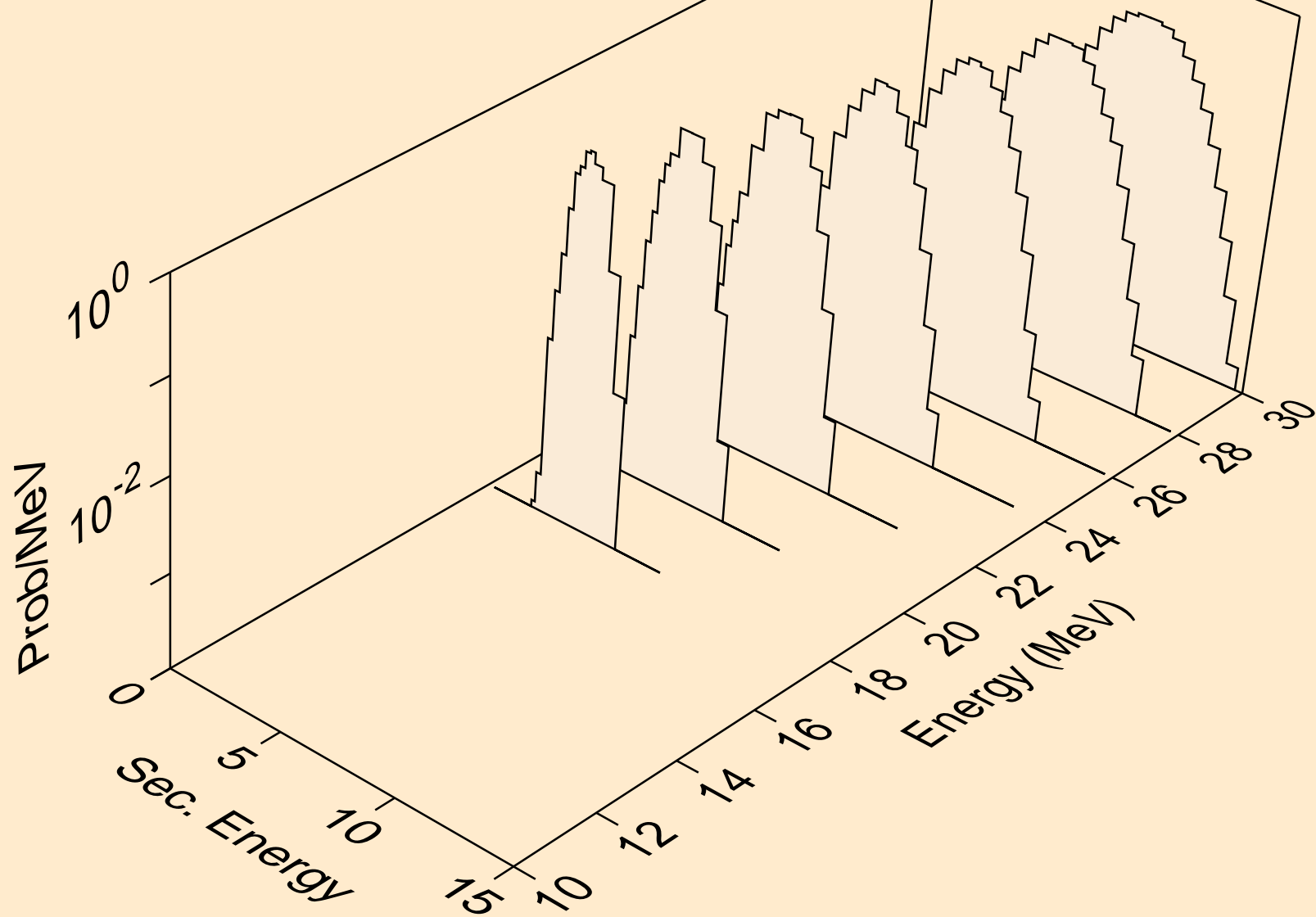
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)



AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,3np)

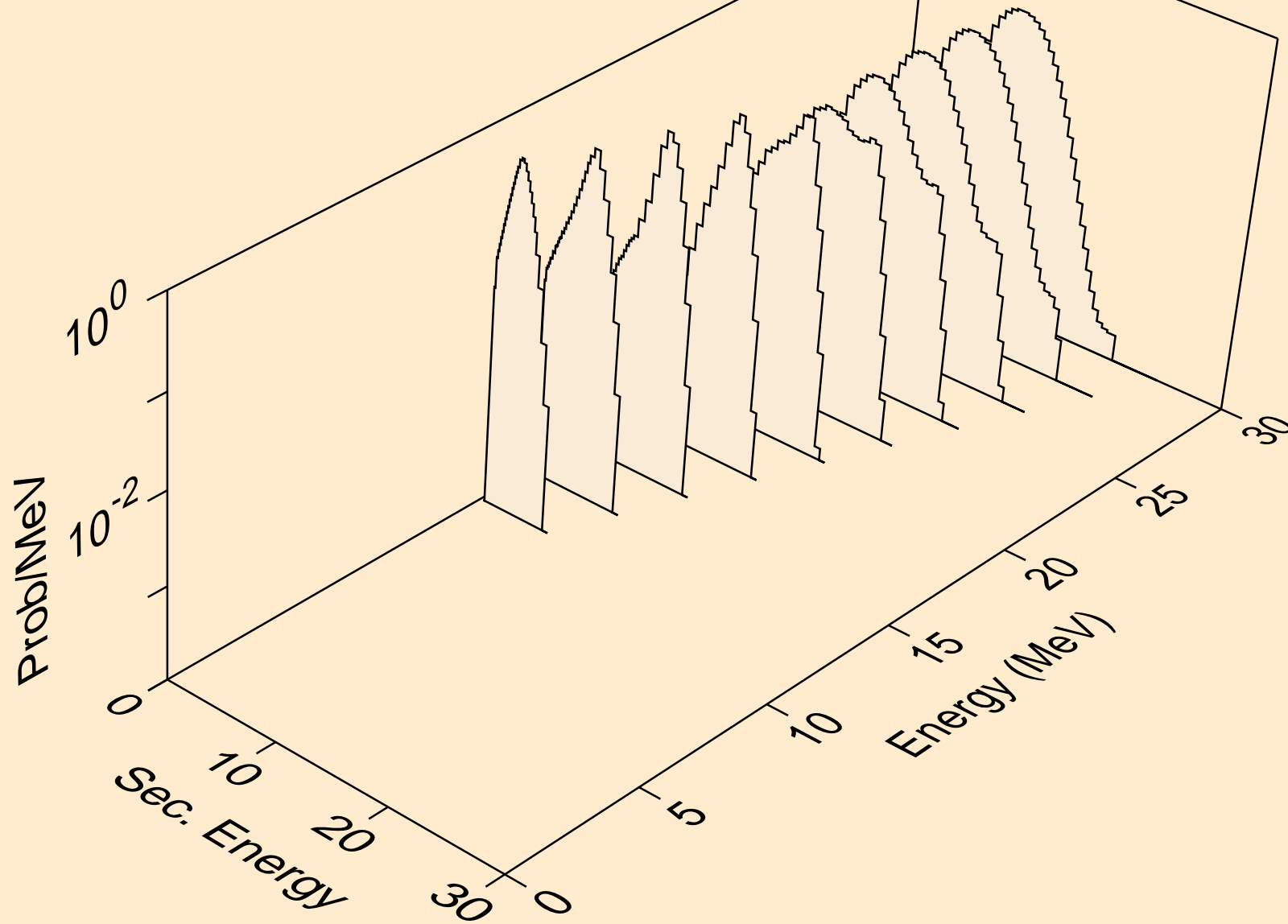


AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)

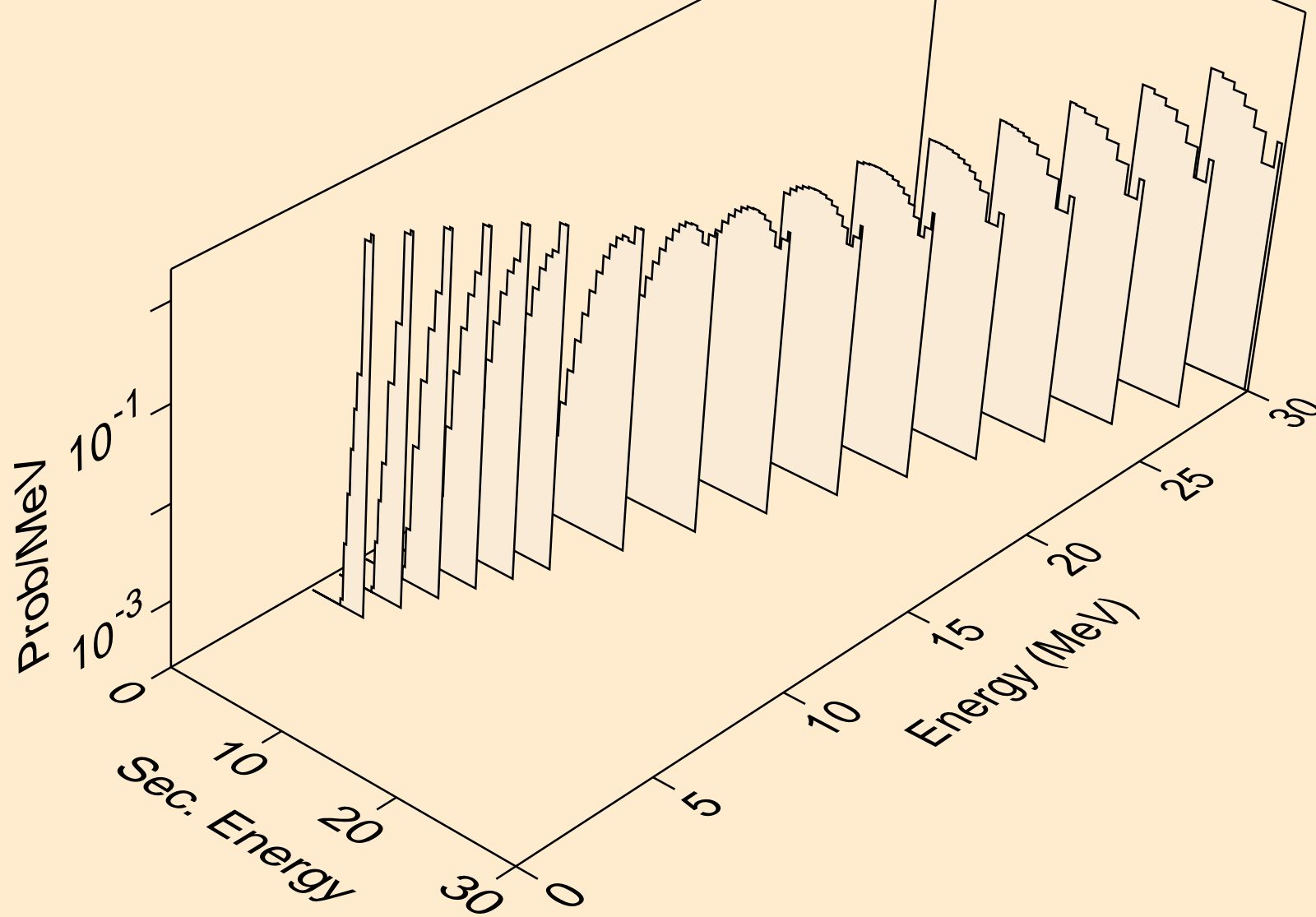




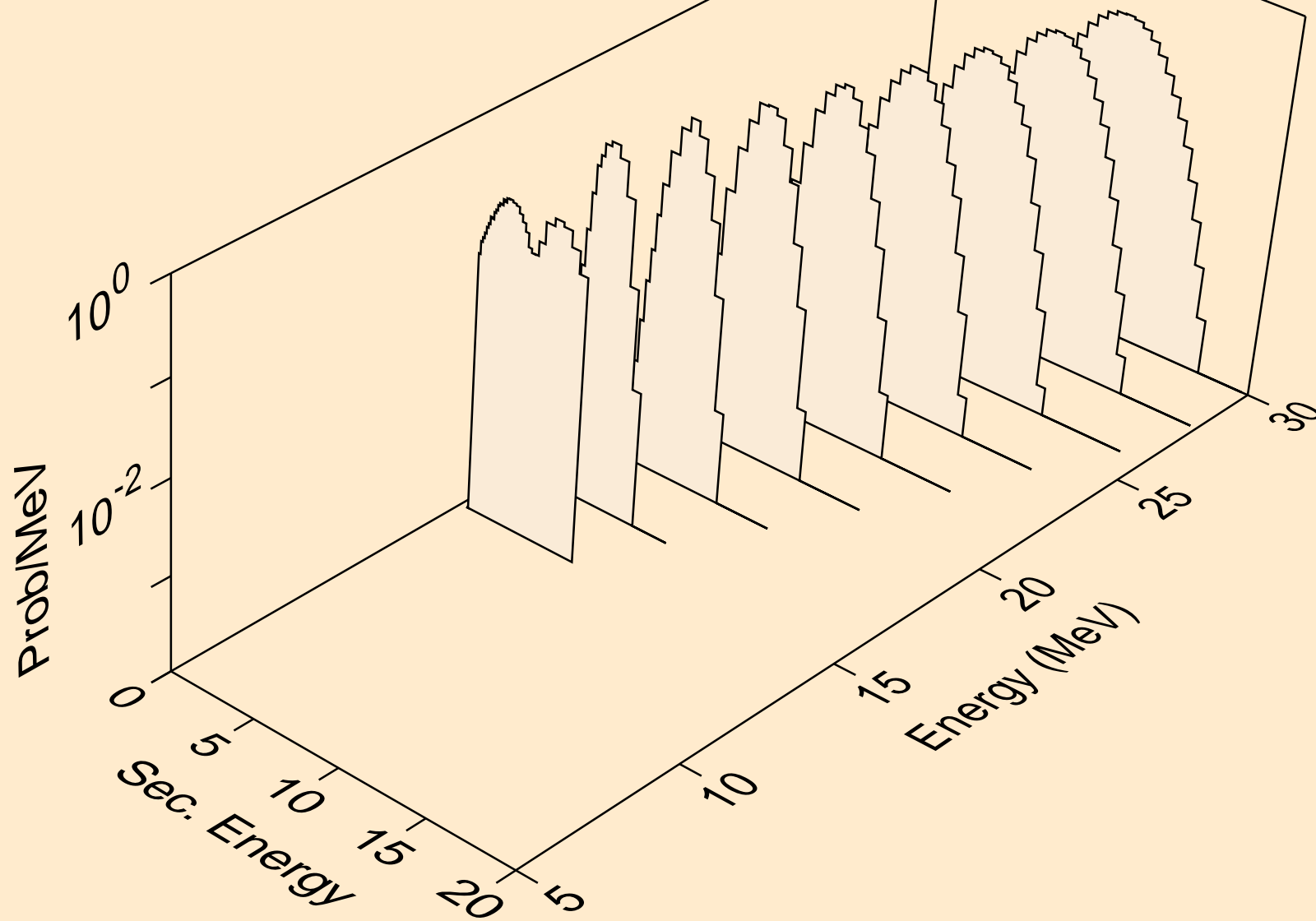
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,npa)



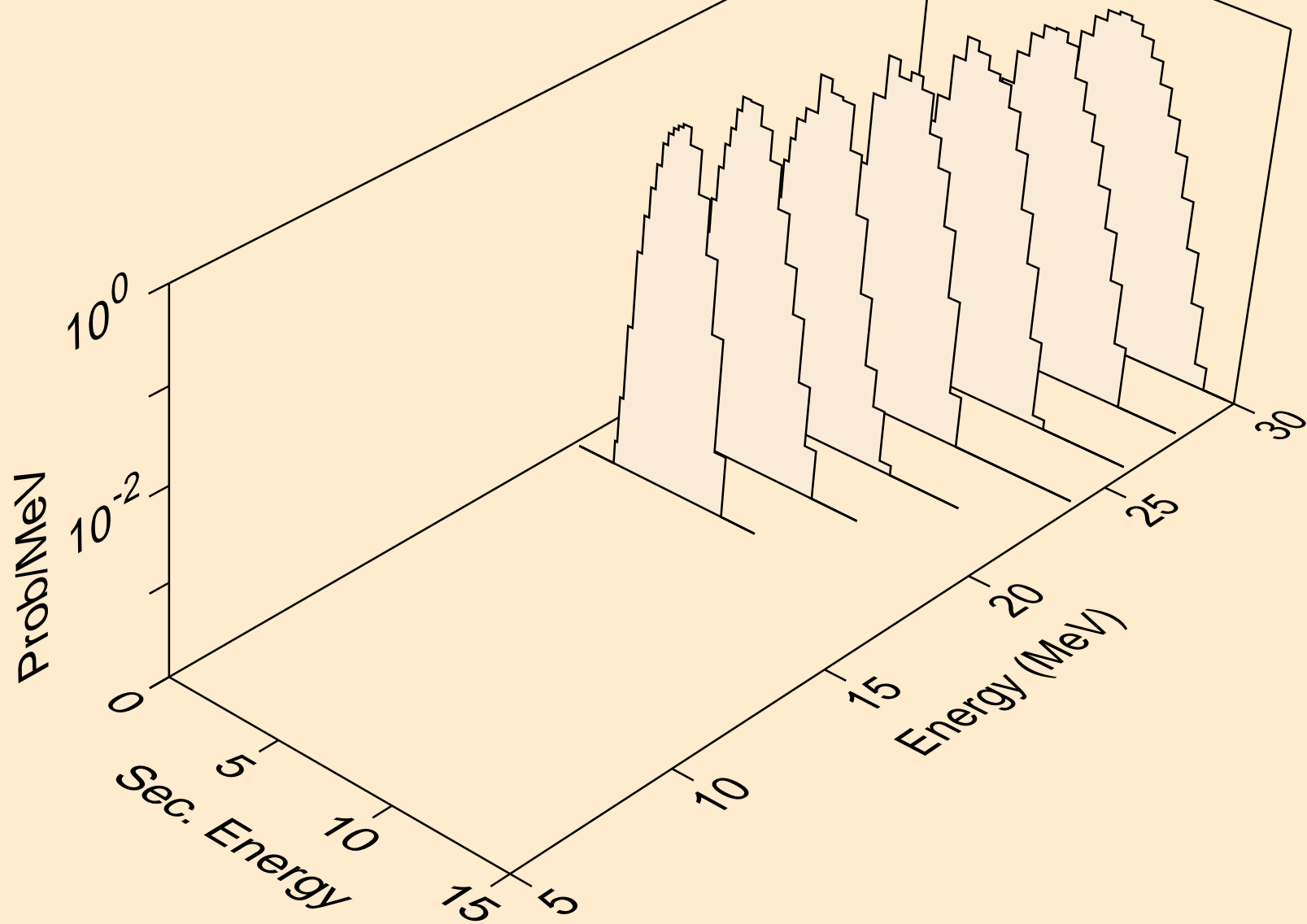
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for inelastic



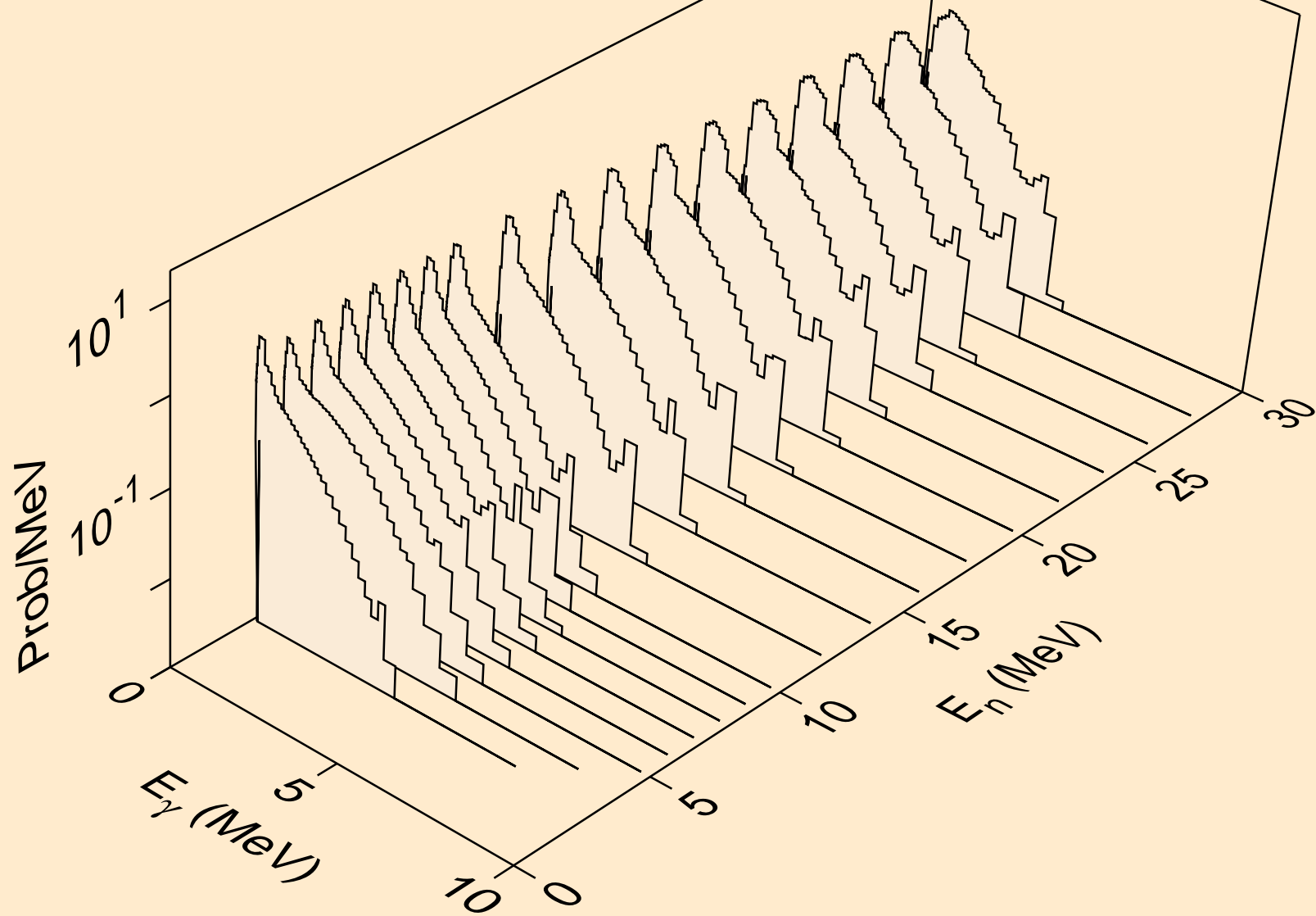
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2p)



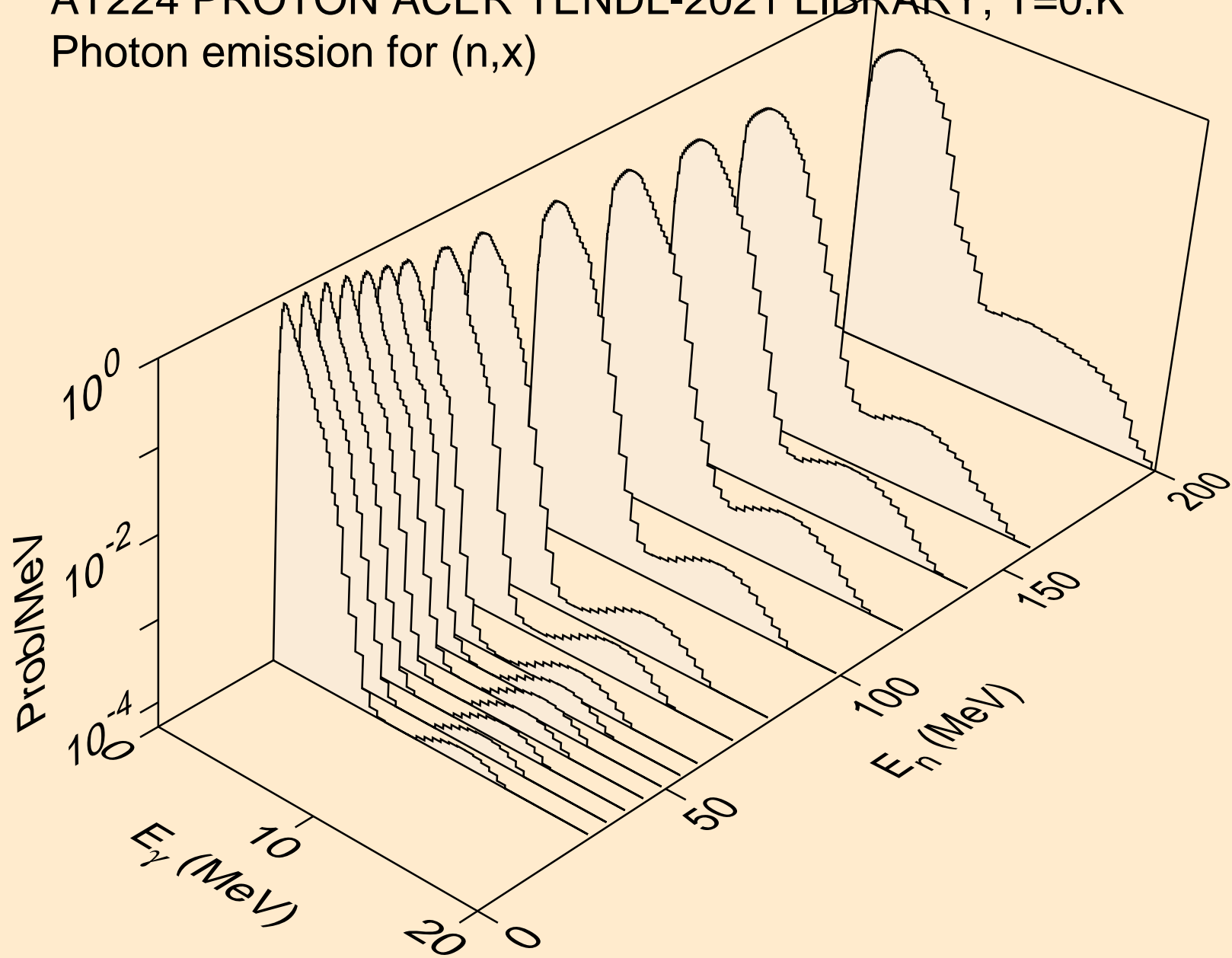
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pd)



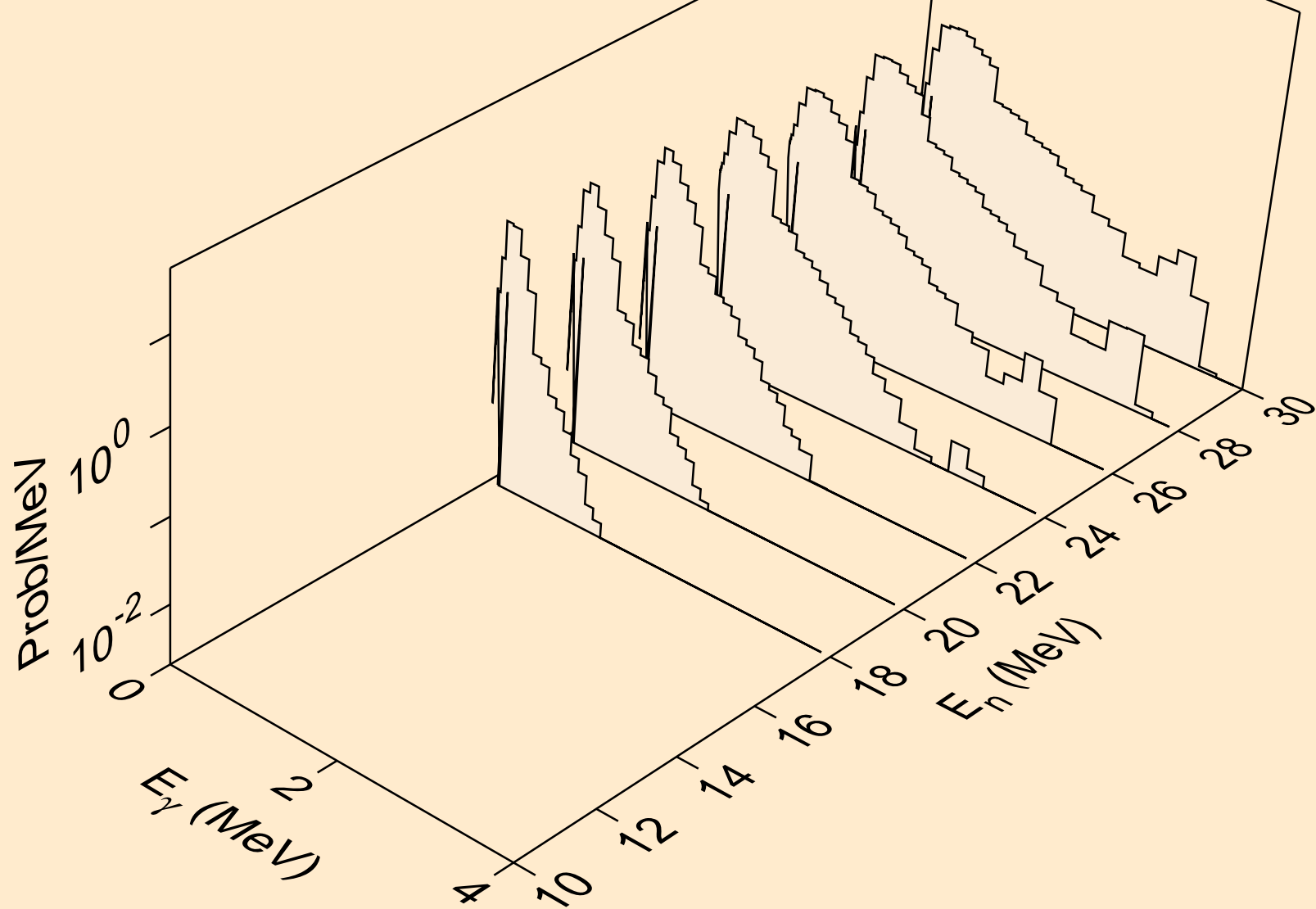
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)



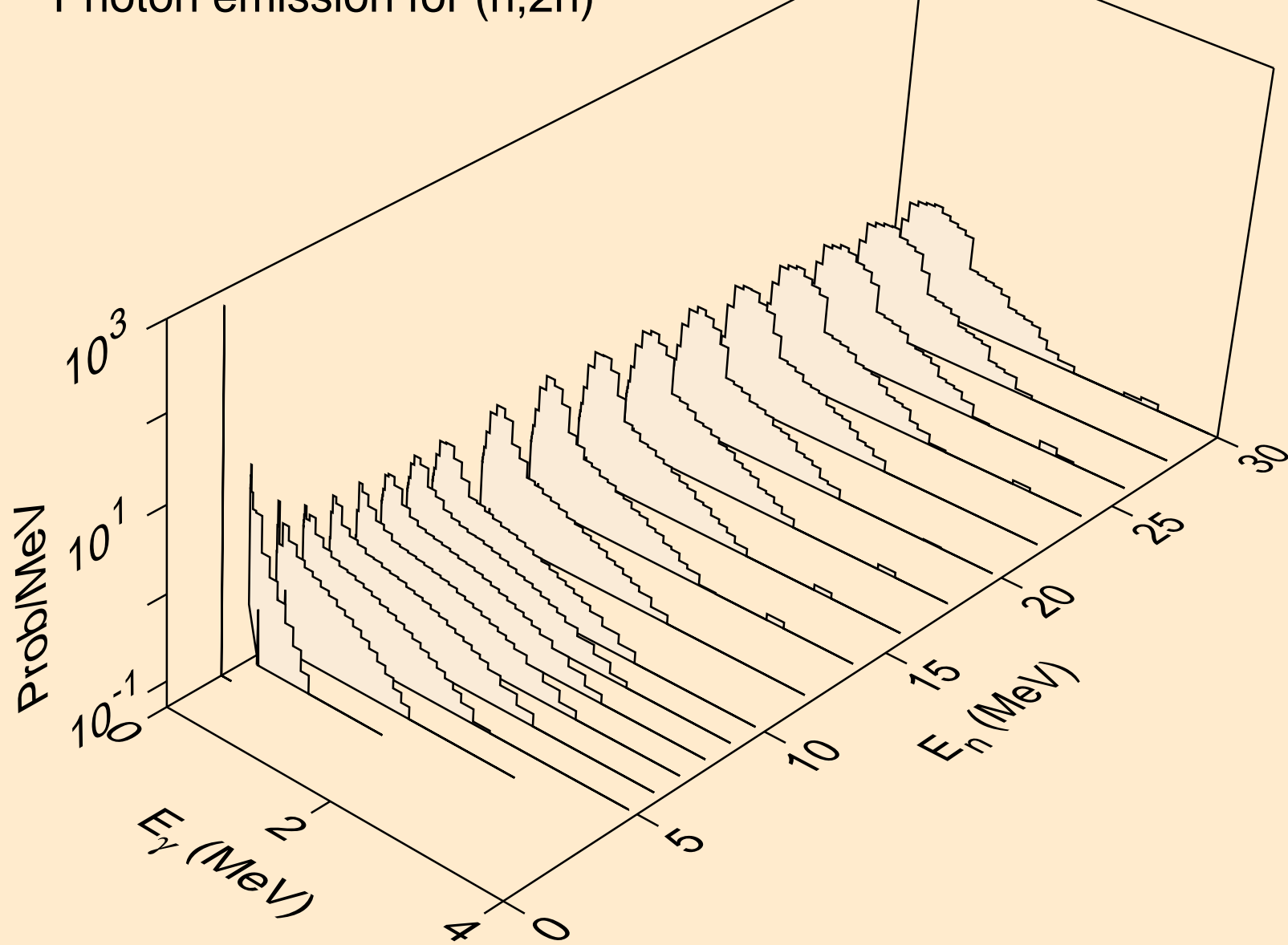
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2nd)

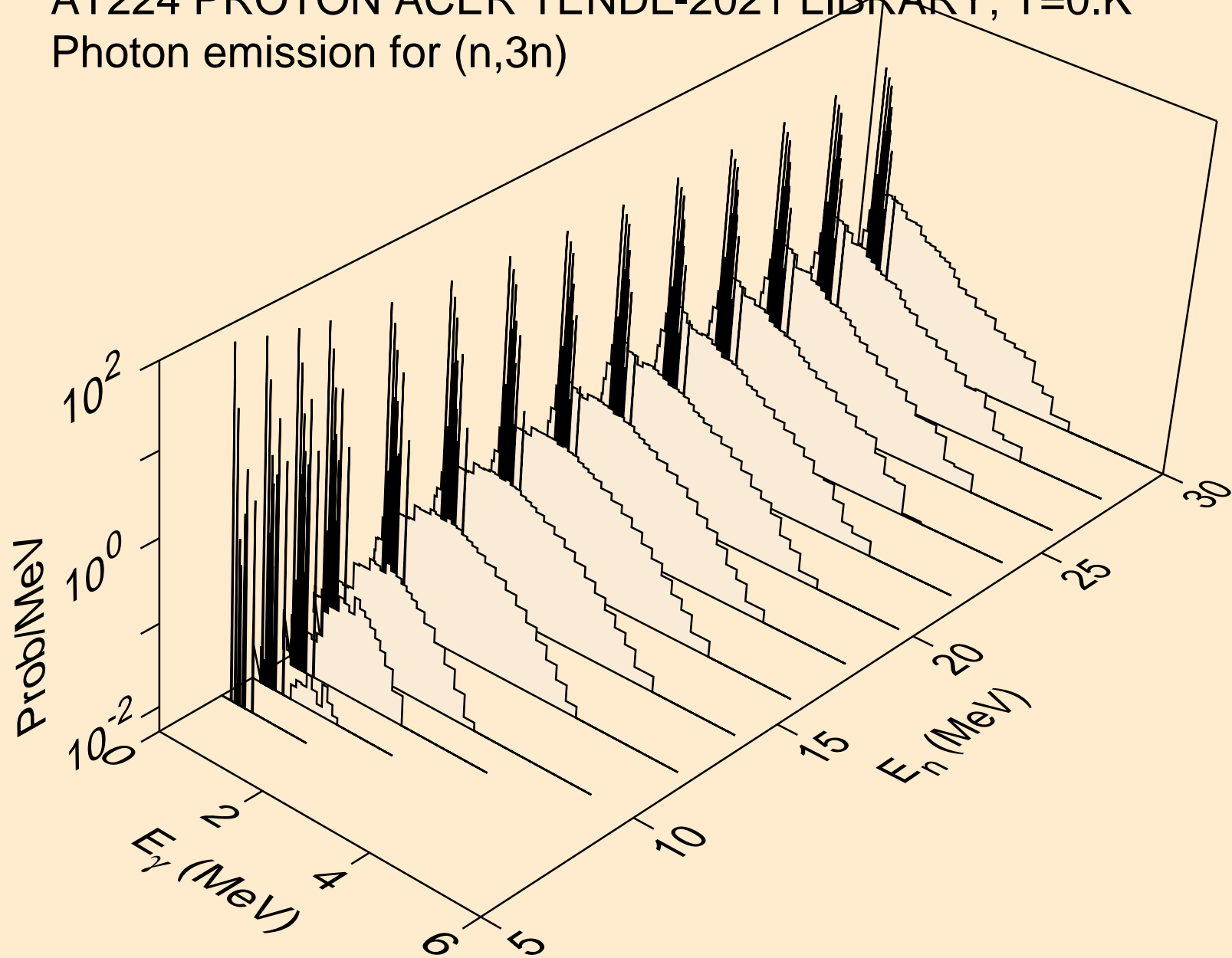


AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)

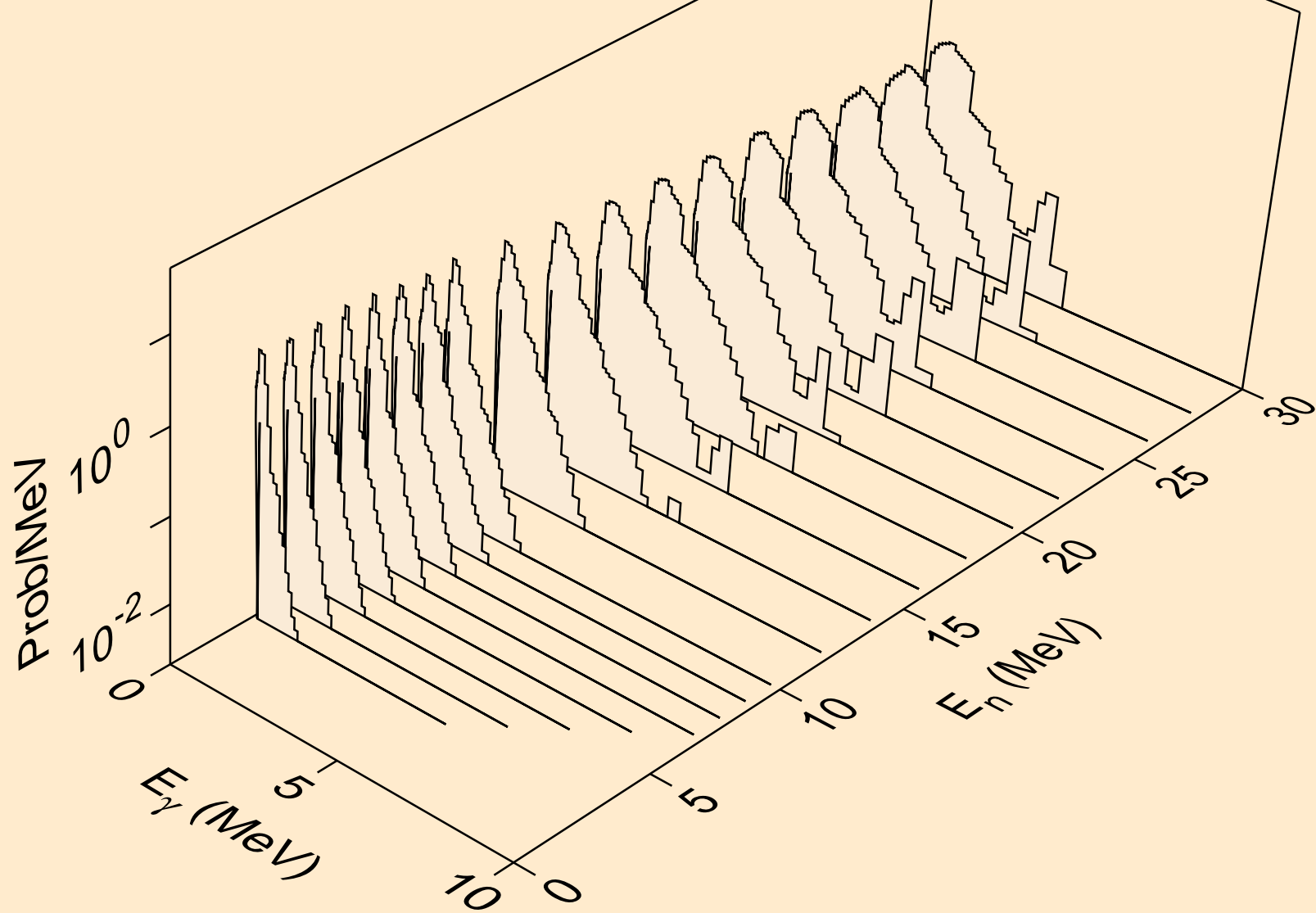




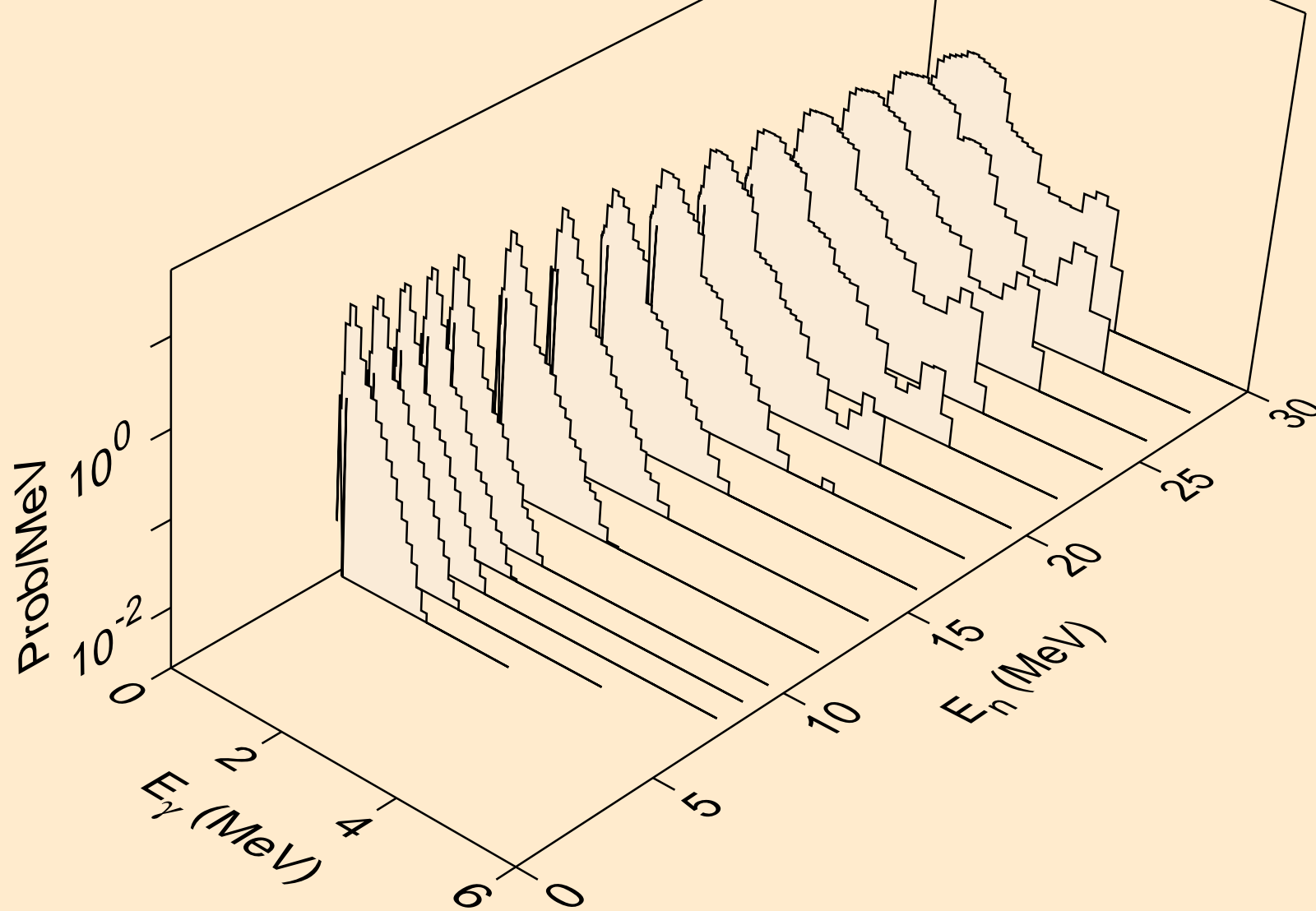
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)



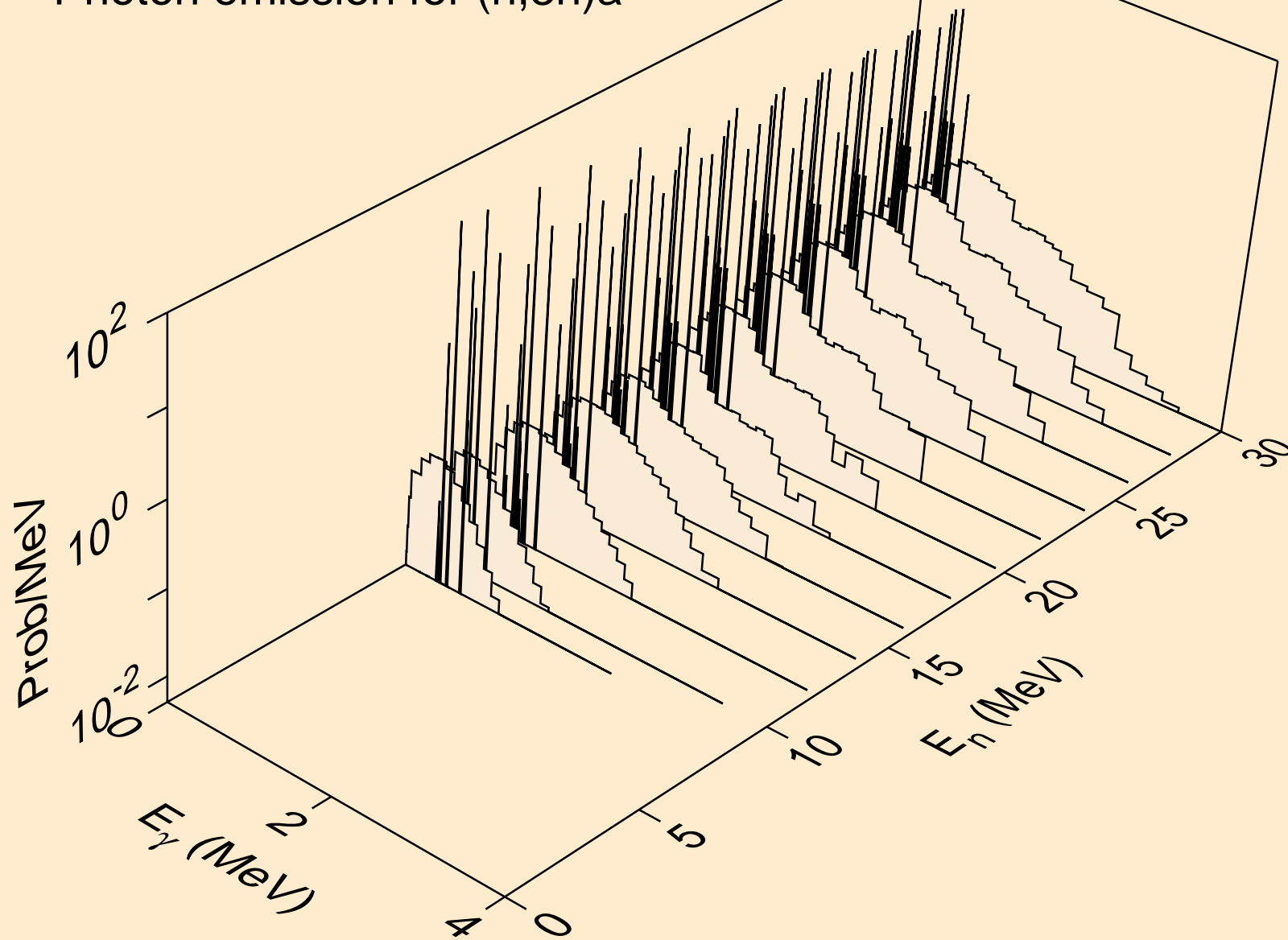
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



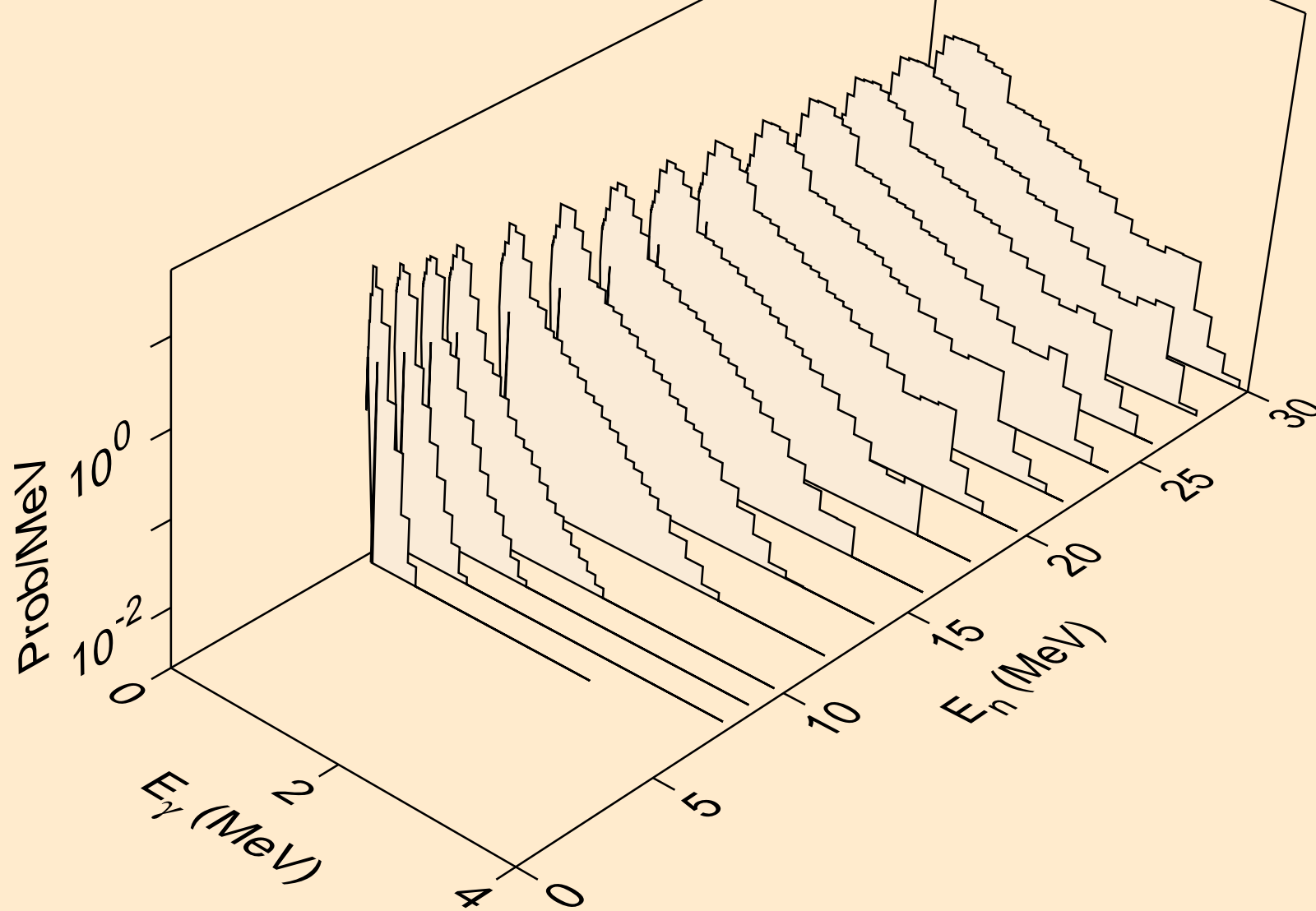
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Photon emission for (n,2n)a



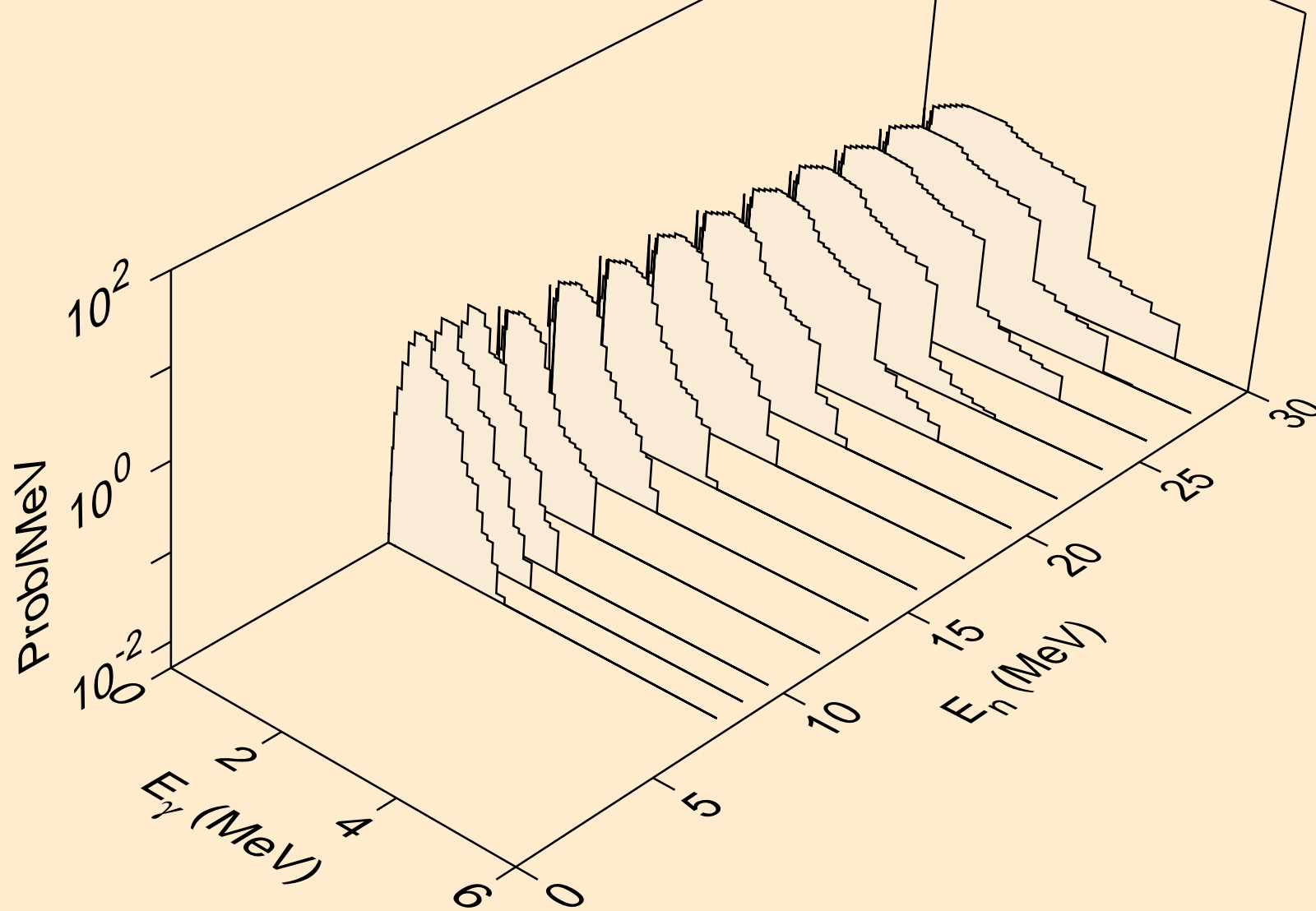
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Photon emission for (n,3n)a



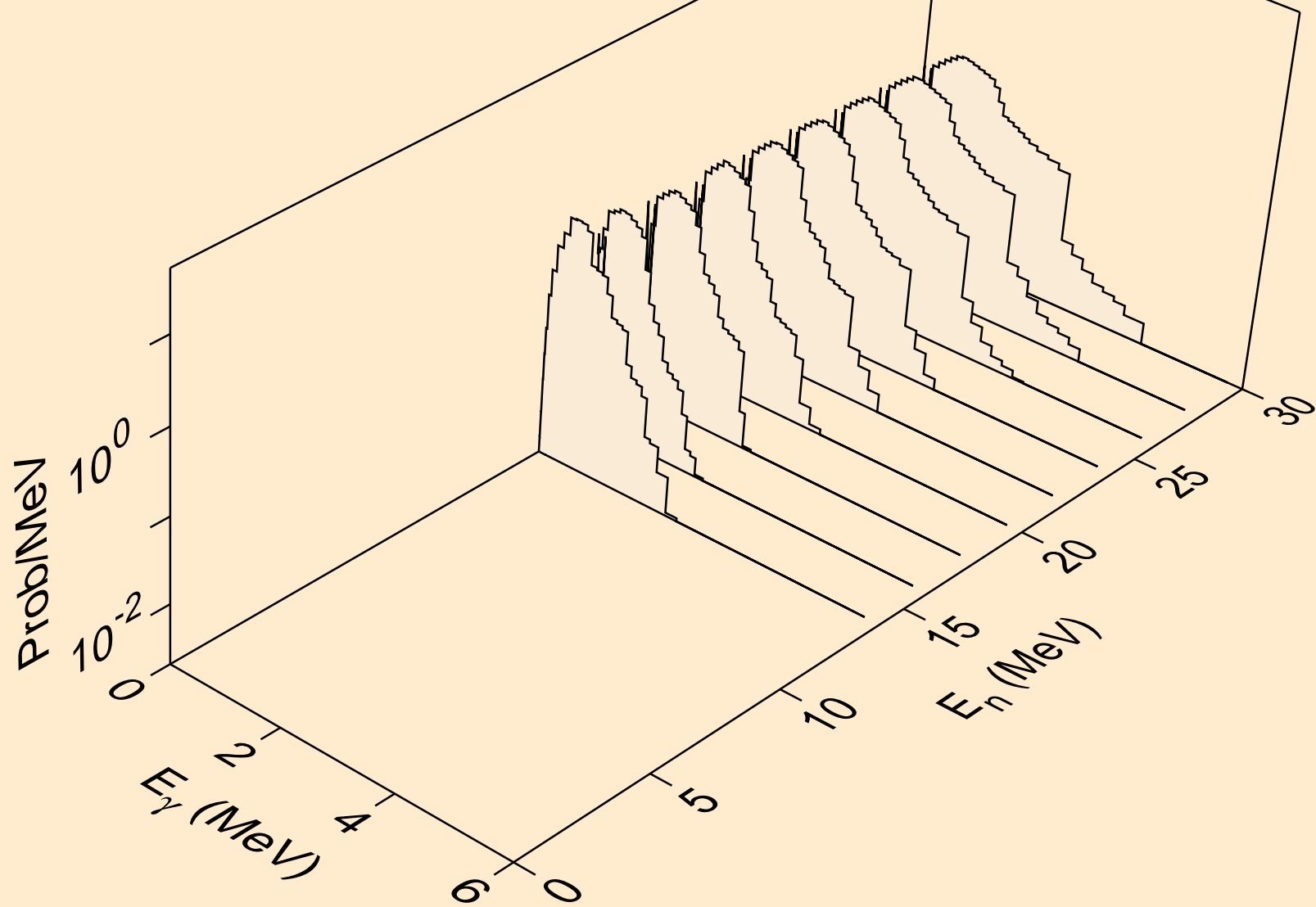
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Photon emission for (n,n\*)p



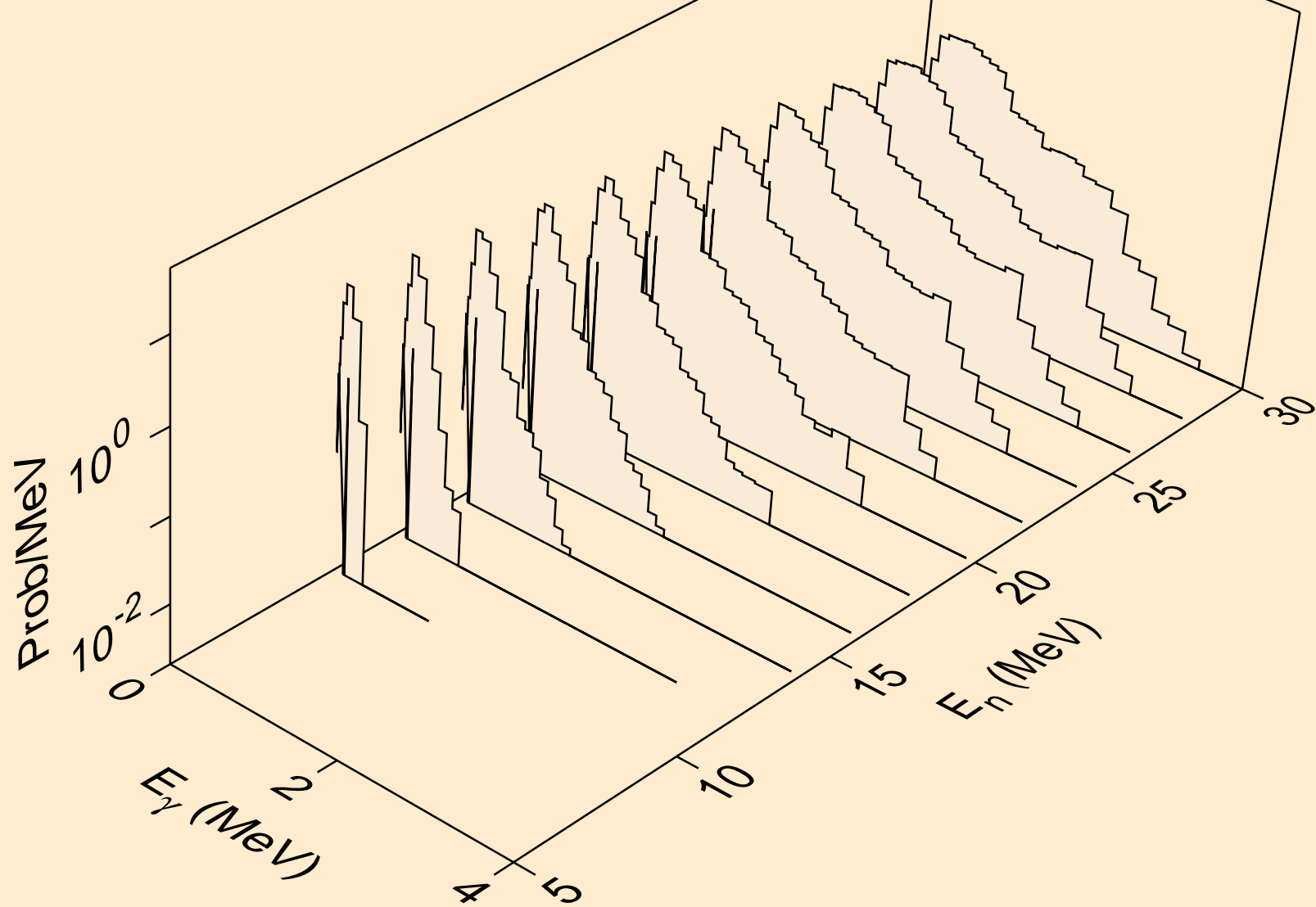
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)2a

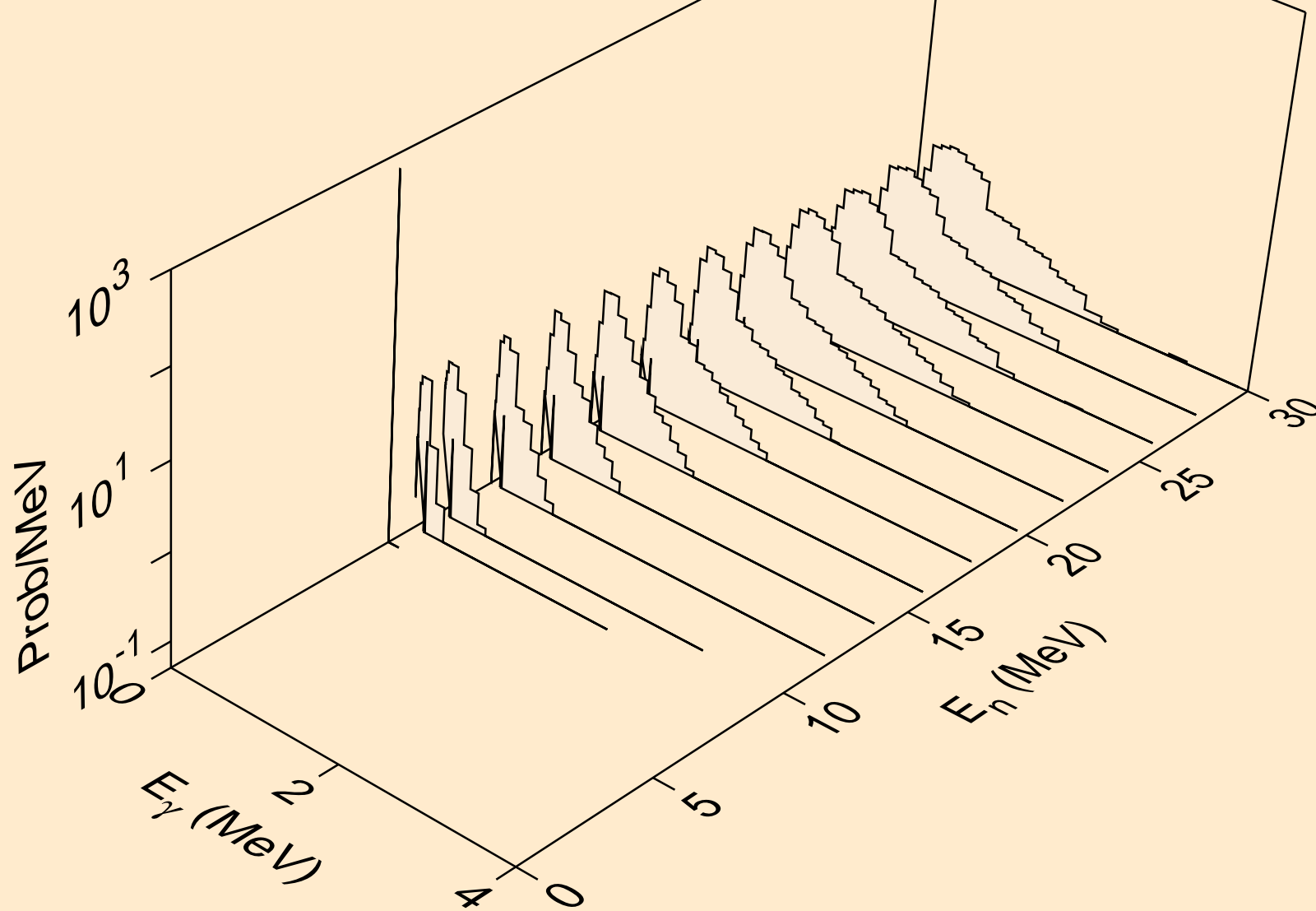


AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

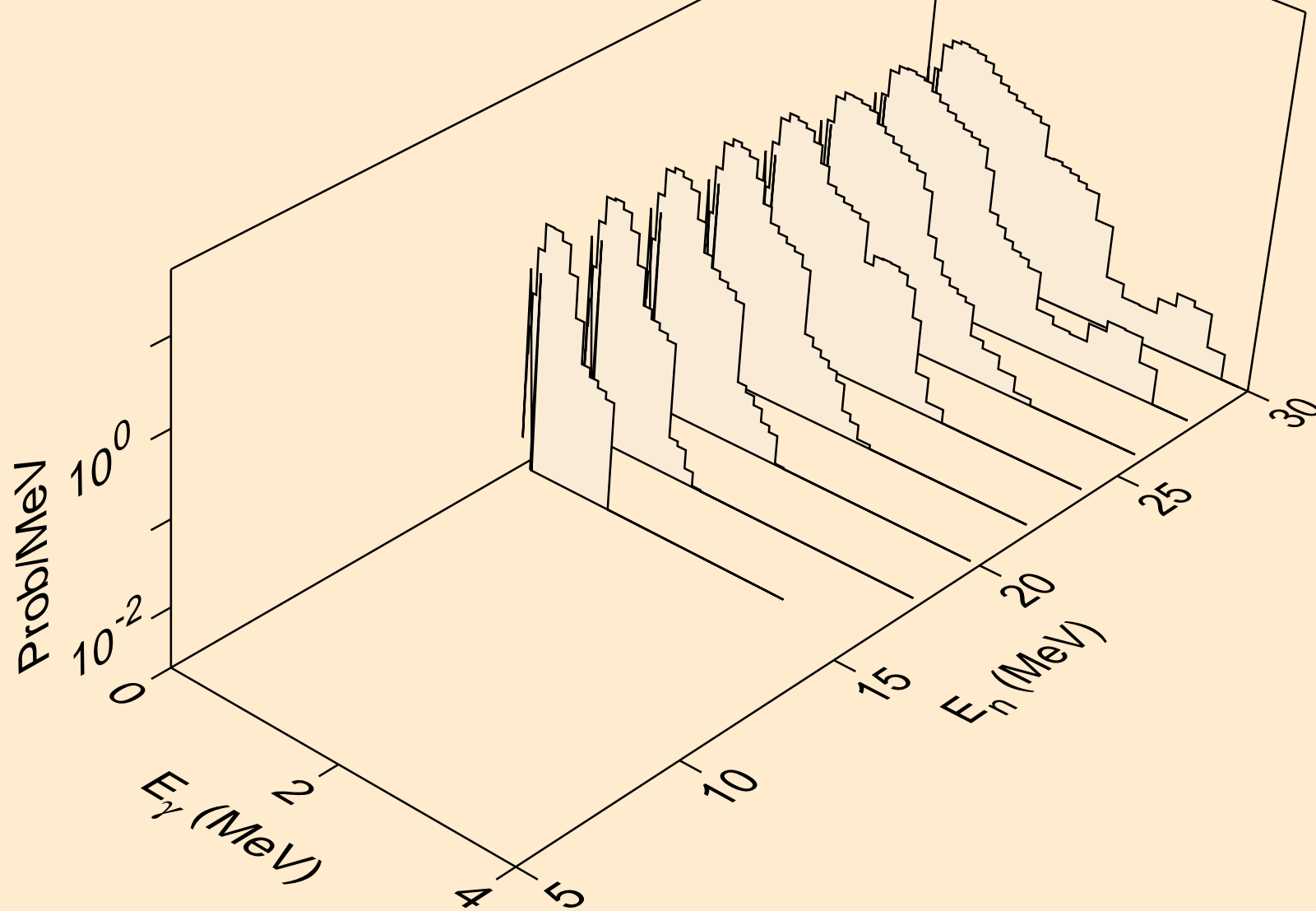




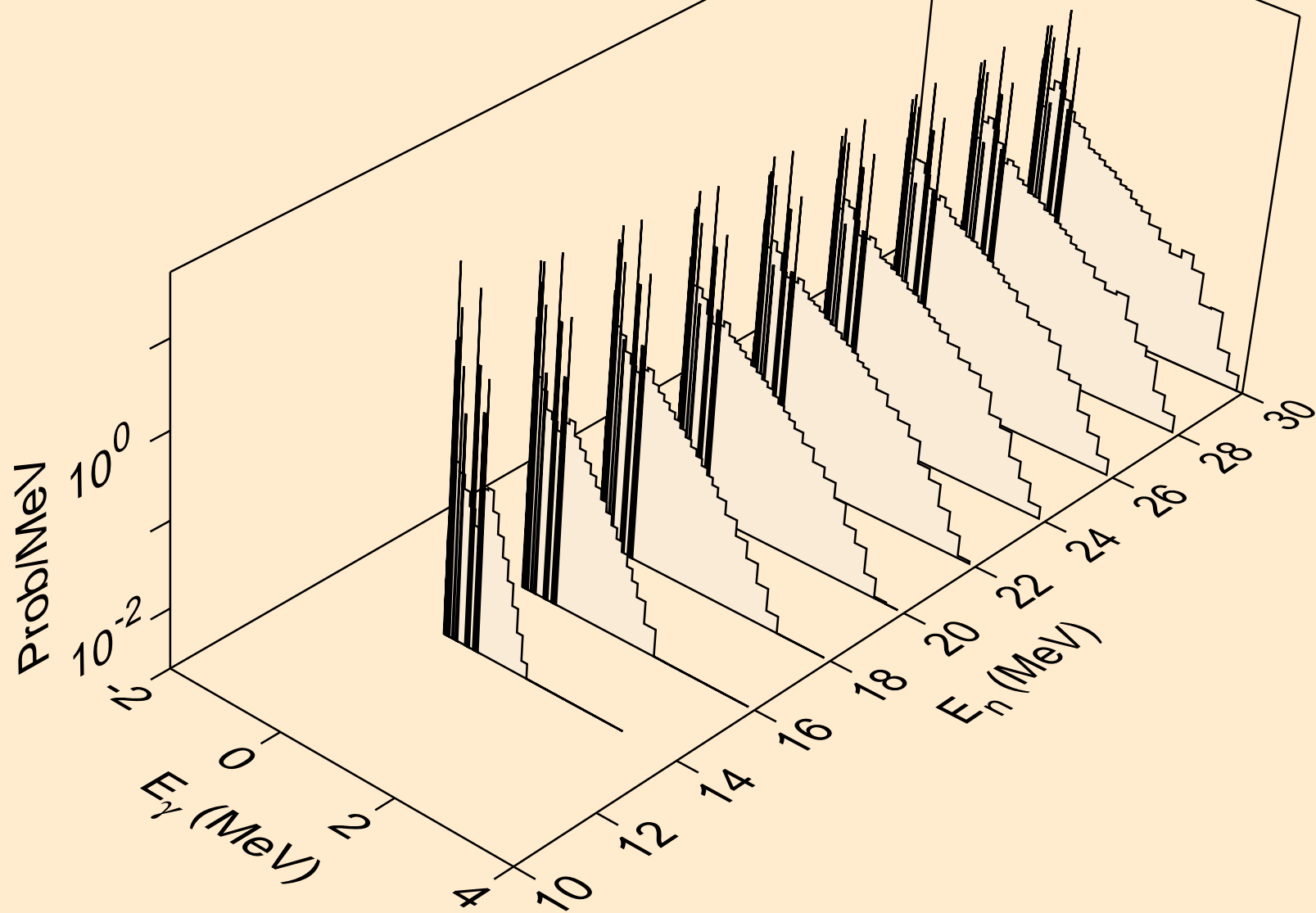
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



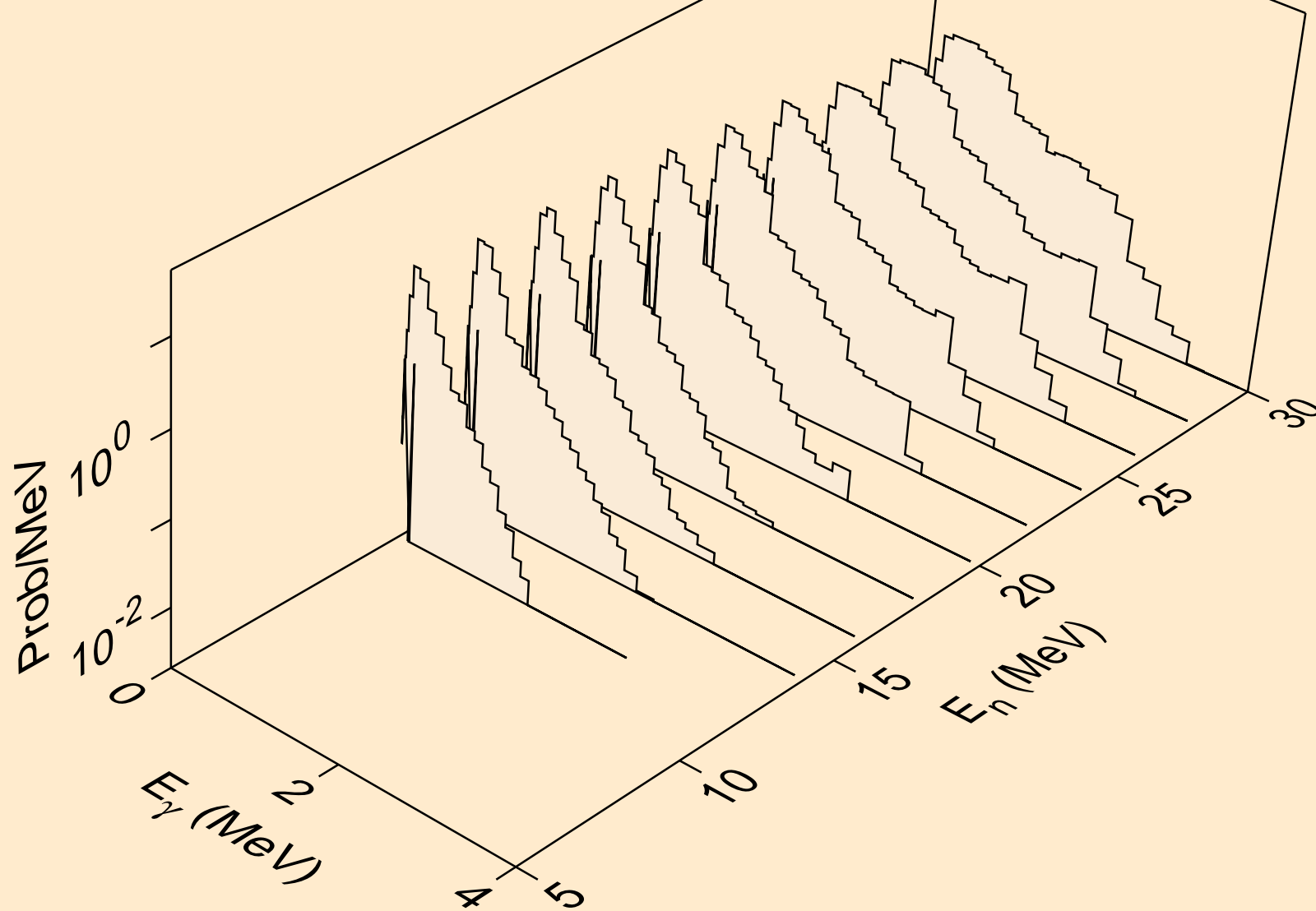
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



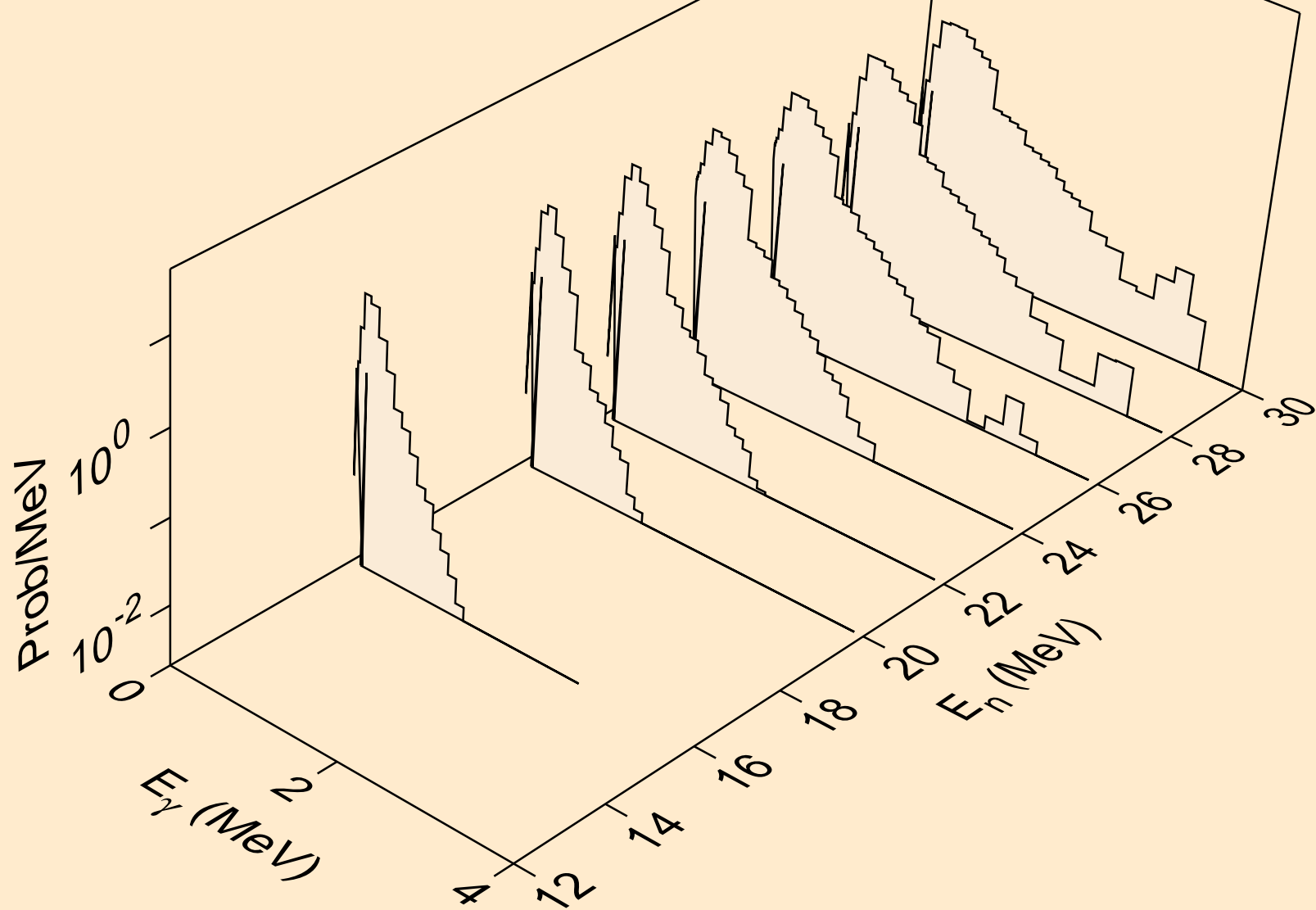
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,4n)



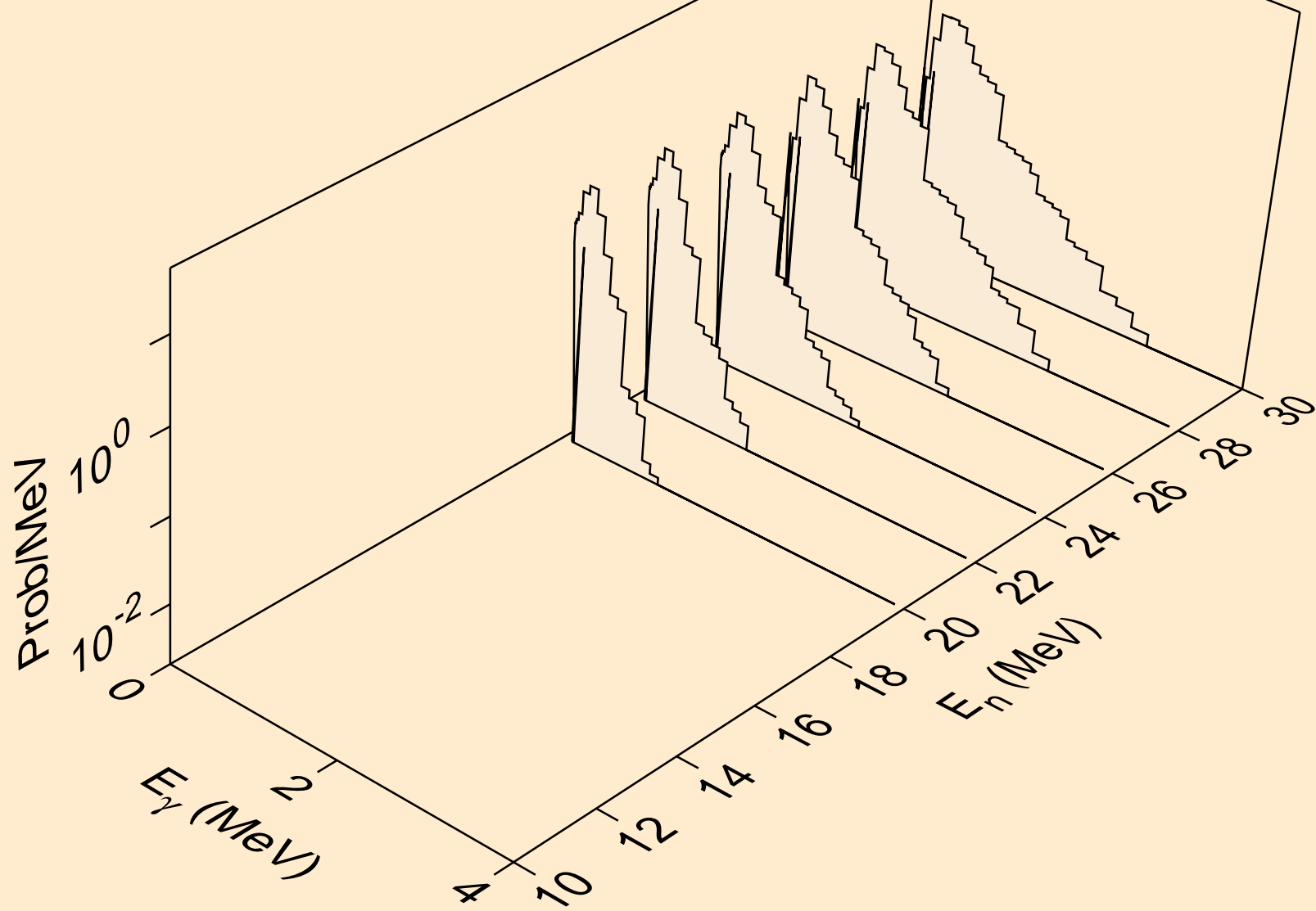
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Photon emission for (n,2np)



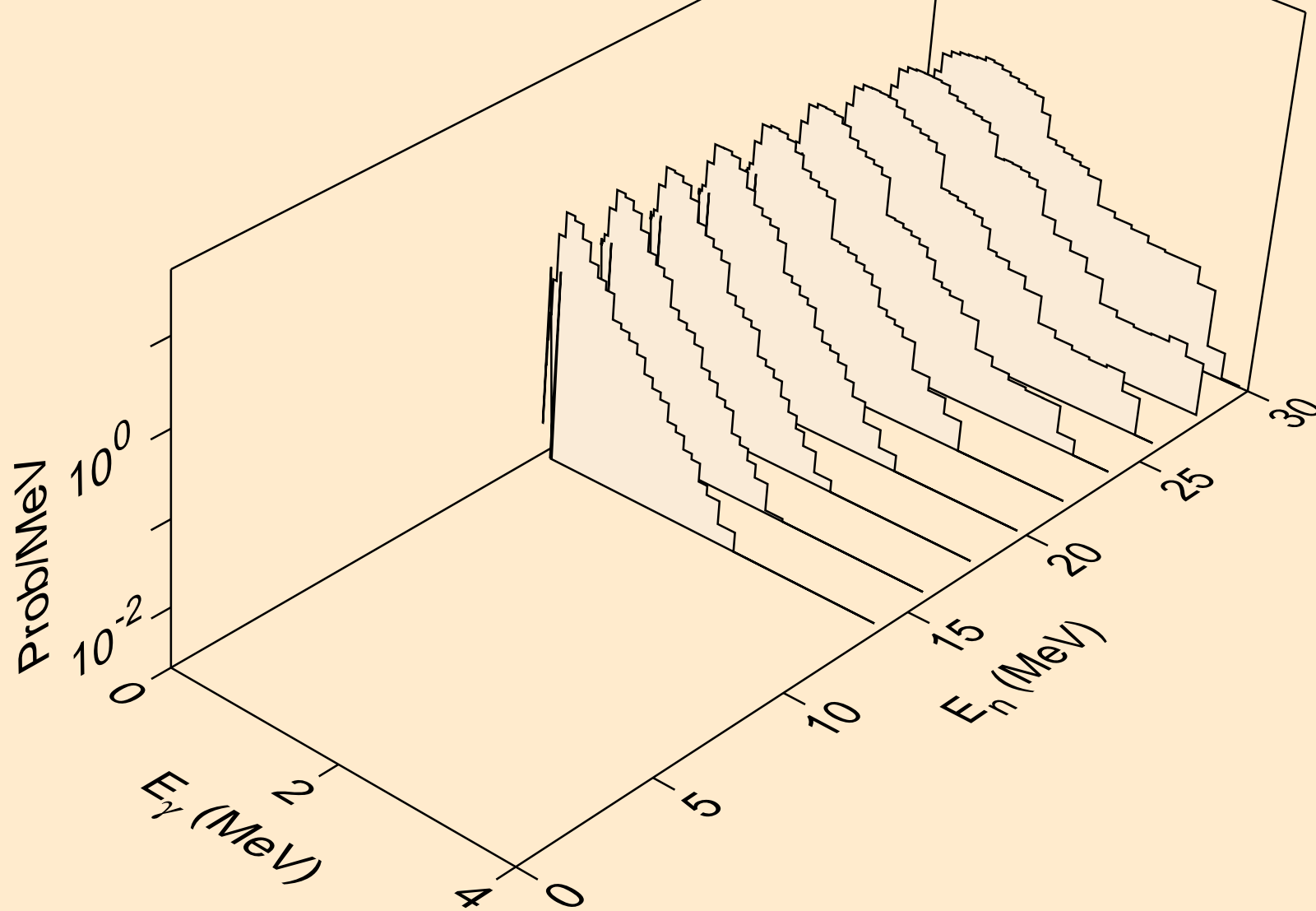
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Photon emission for (n,3np)



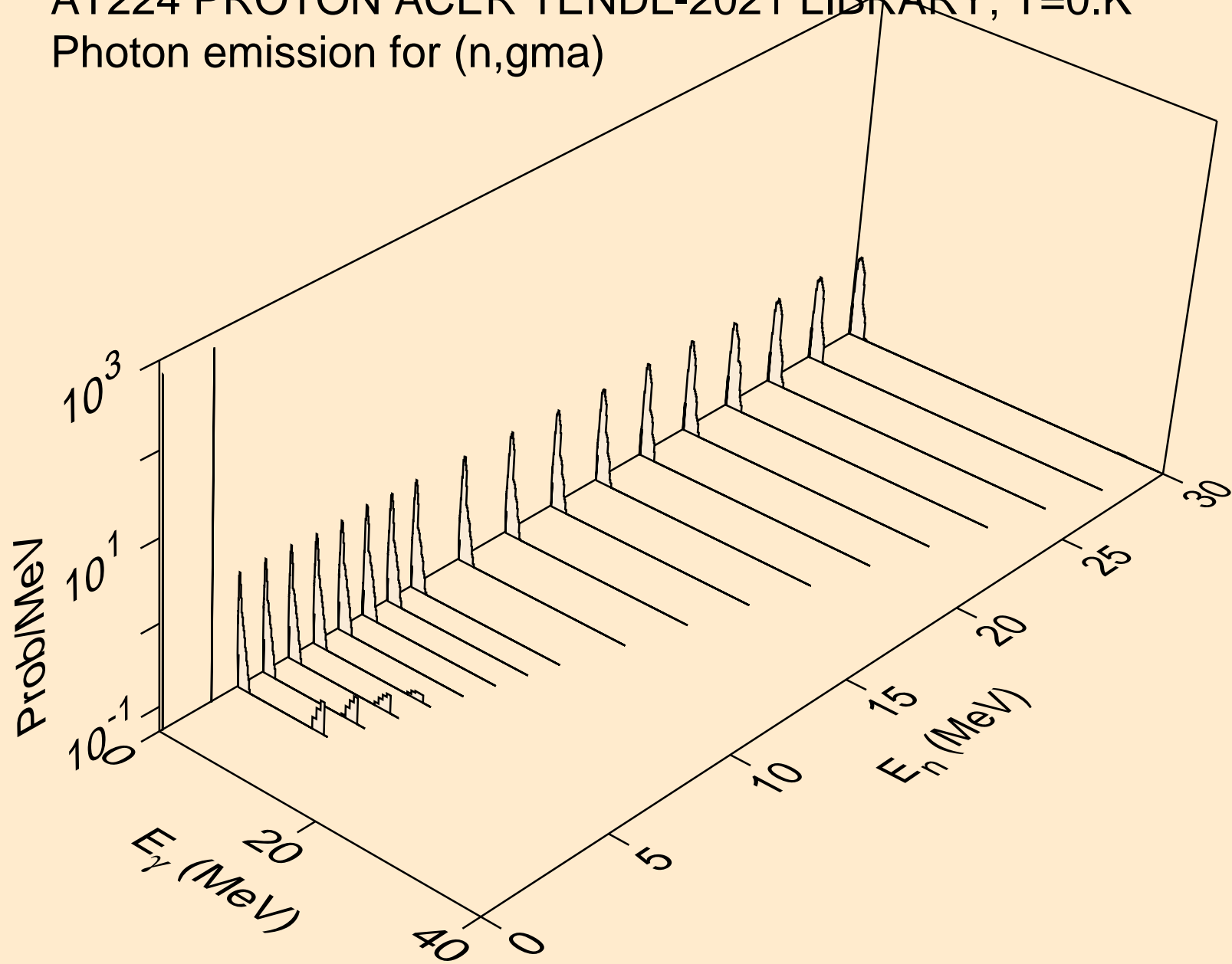
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,npa)

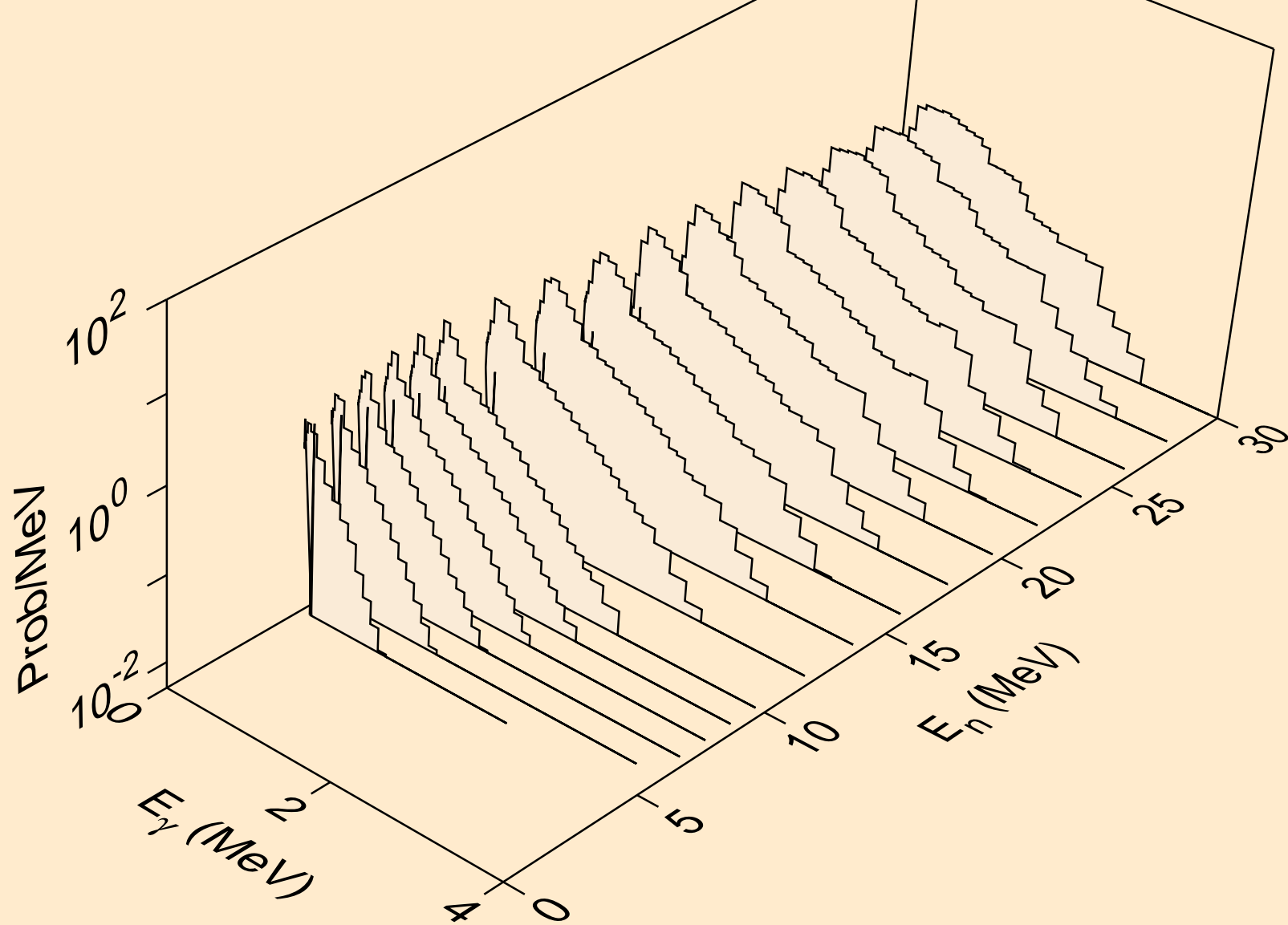


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Photon emission for (n,gma)

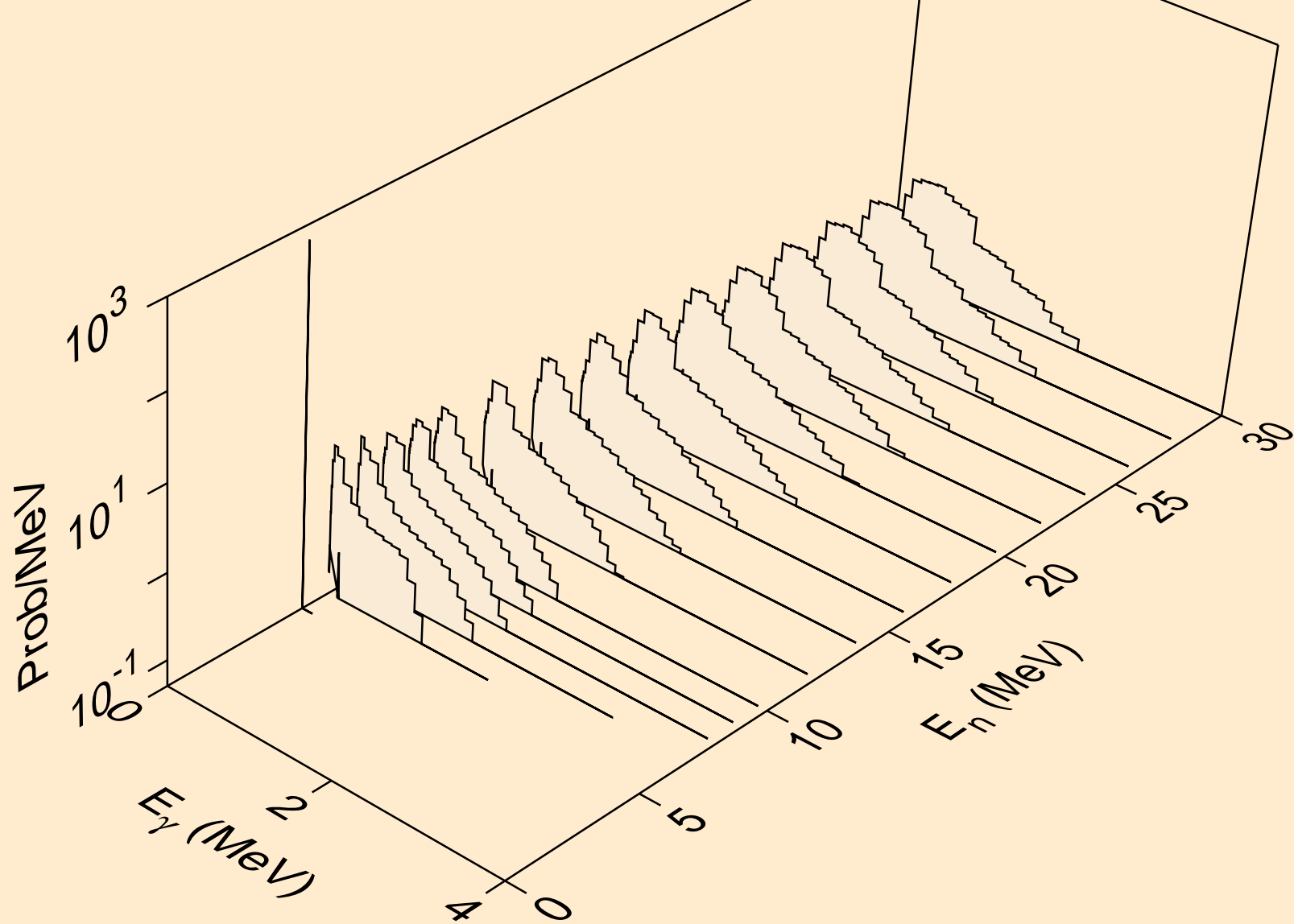




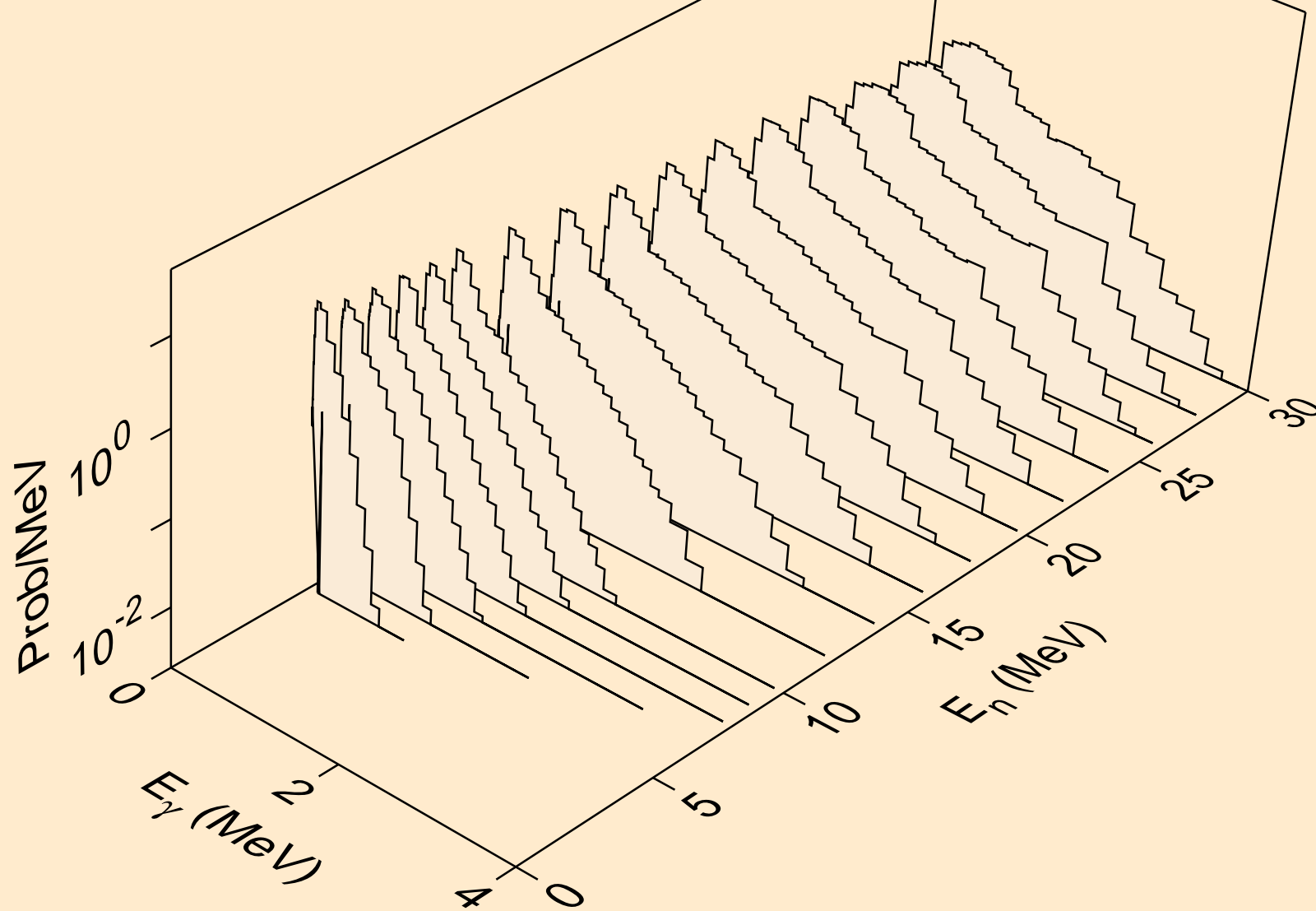
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic



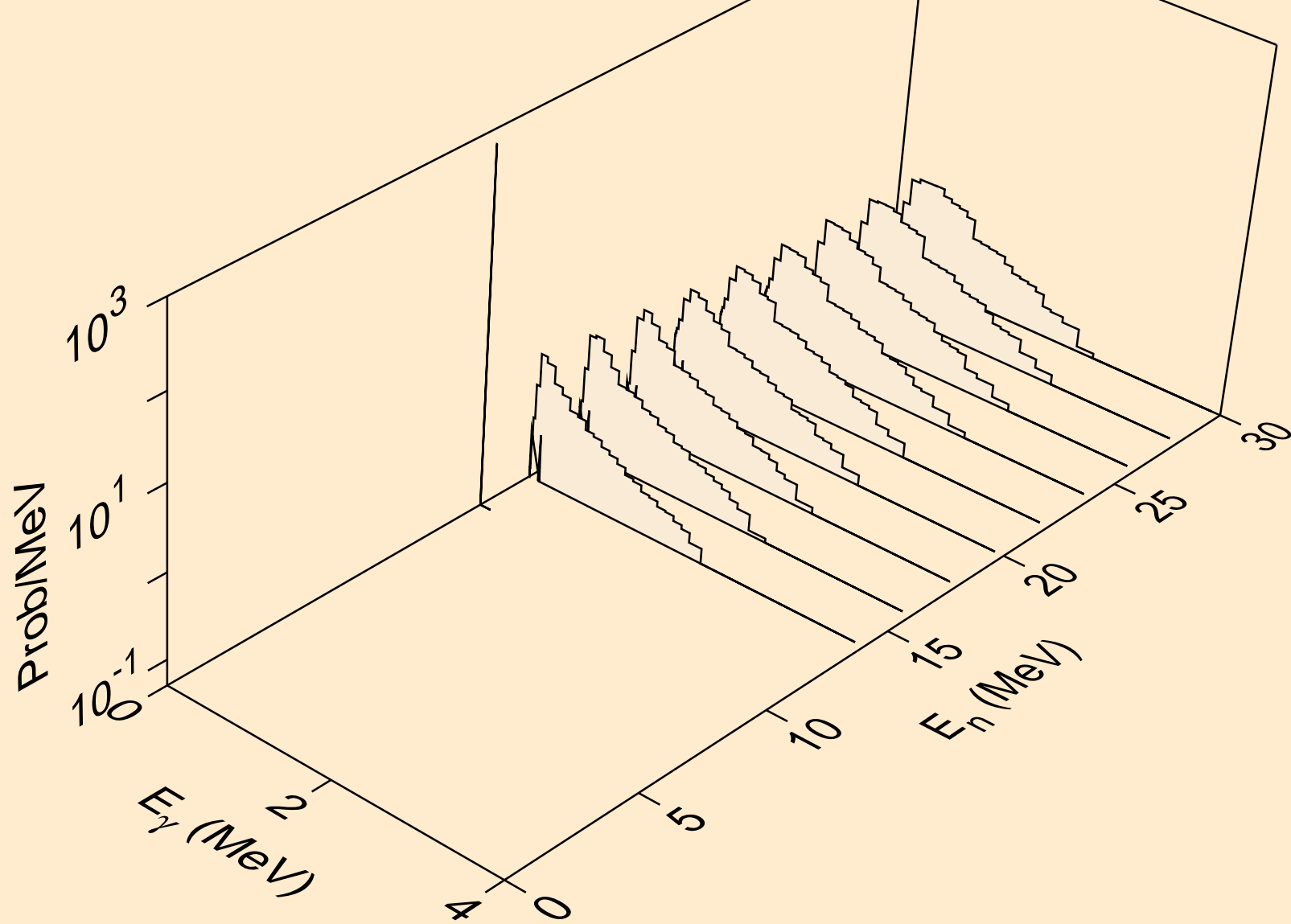
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Photon emission for (n,d)



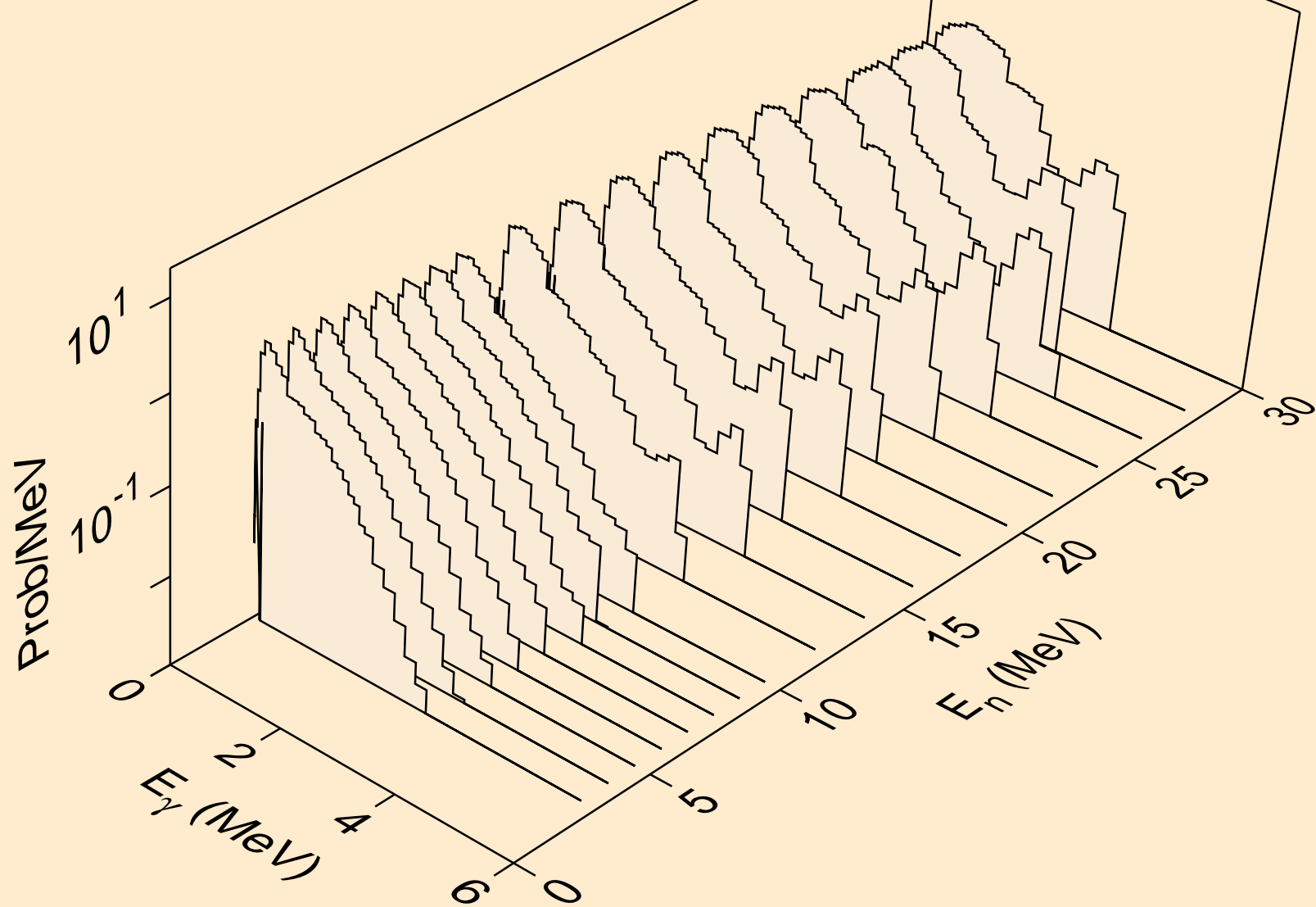
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Photon emission for (n,t)



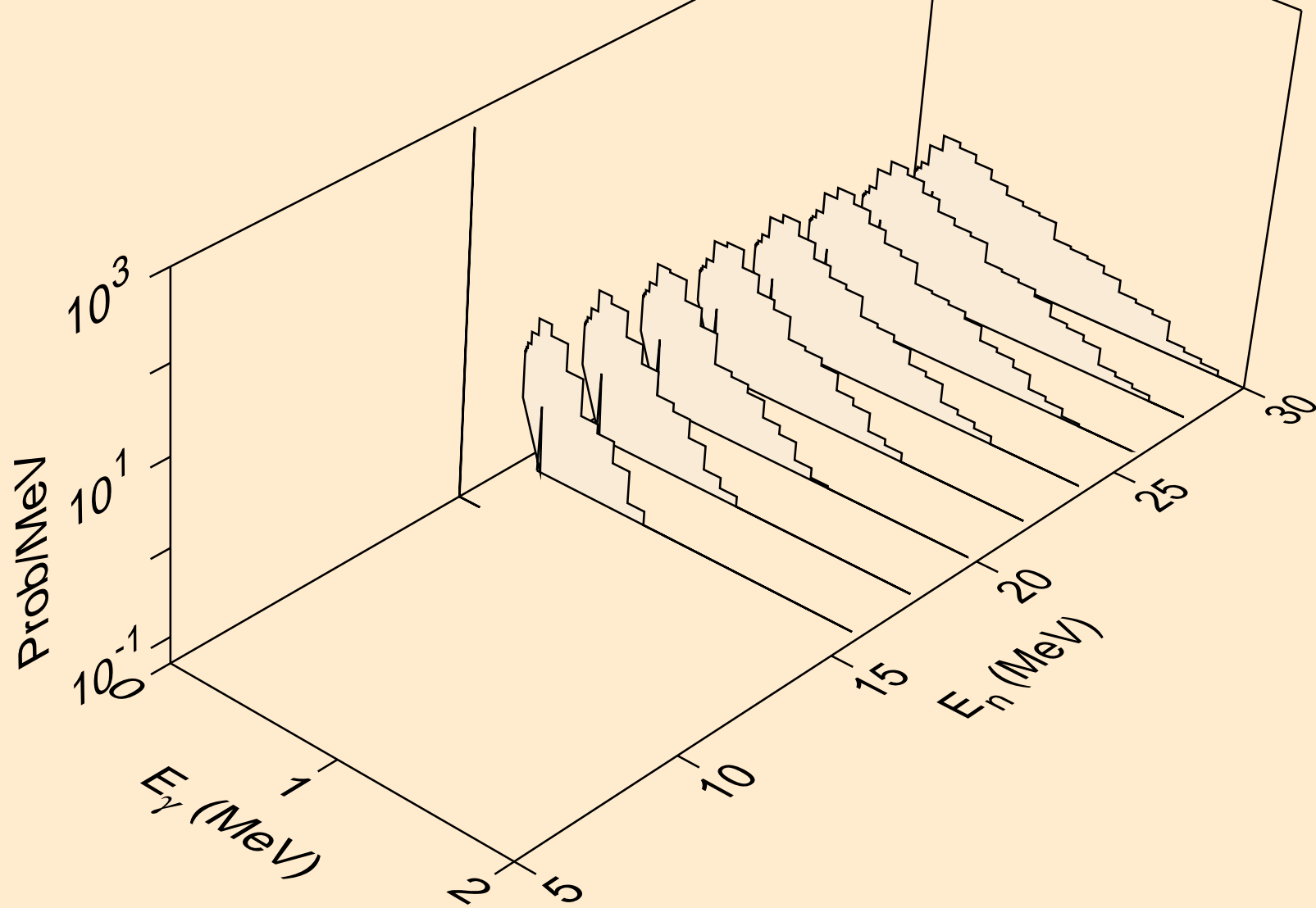
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Photon emission for (n,he3)



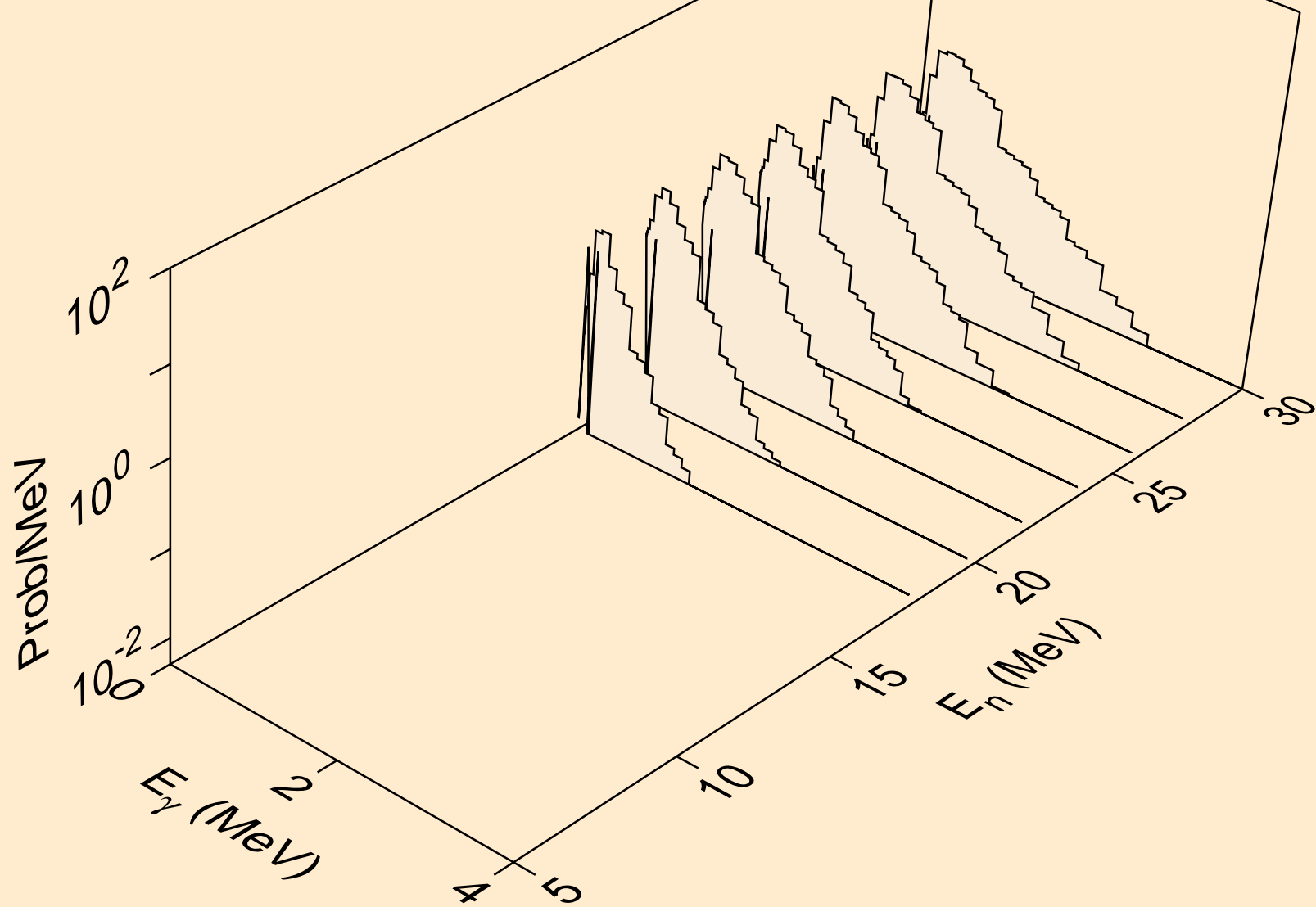
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Photon emission for (n,a)



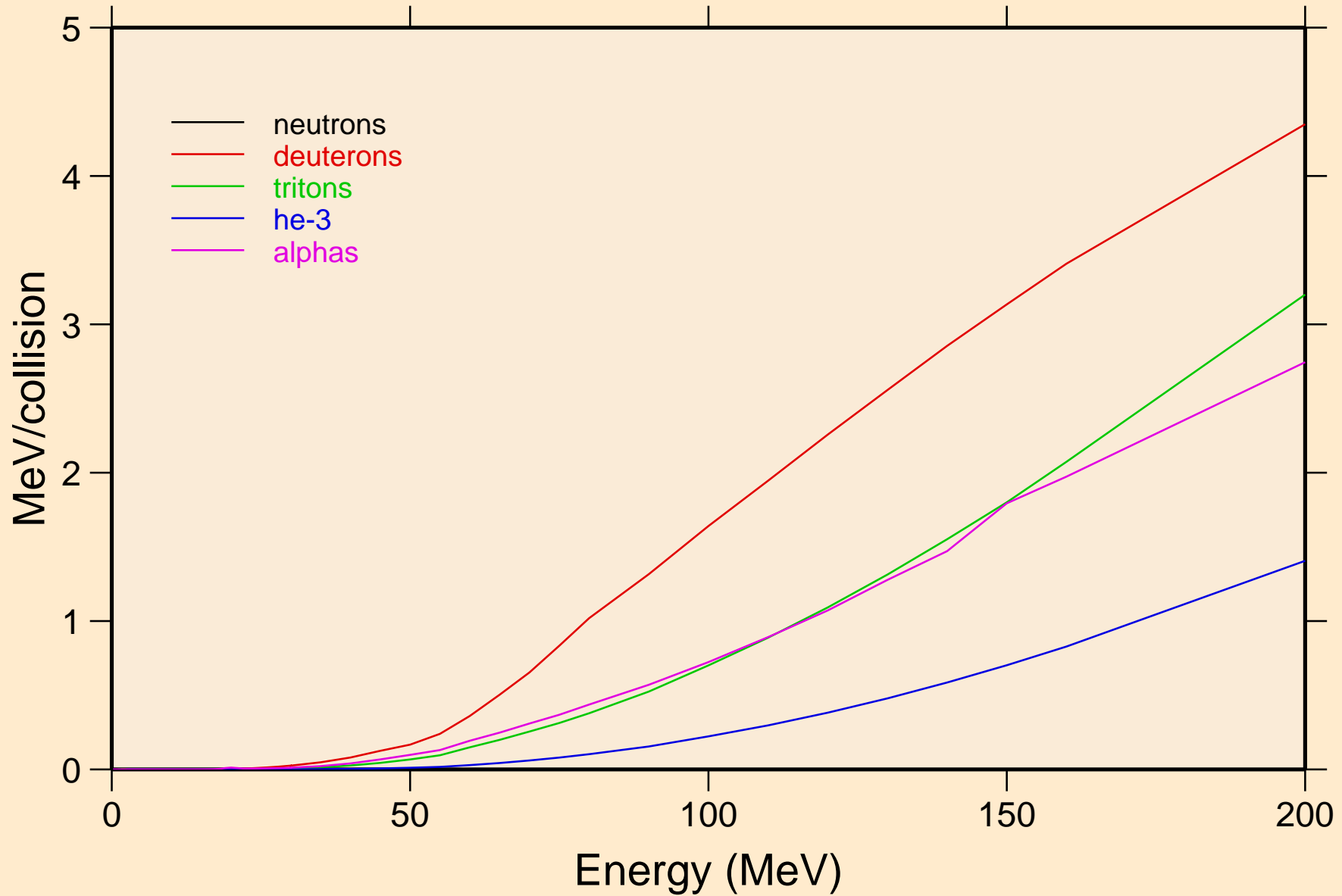
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)



AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pd)

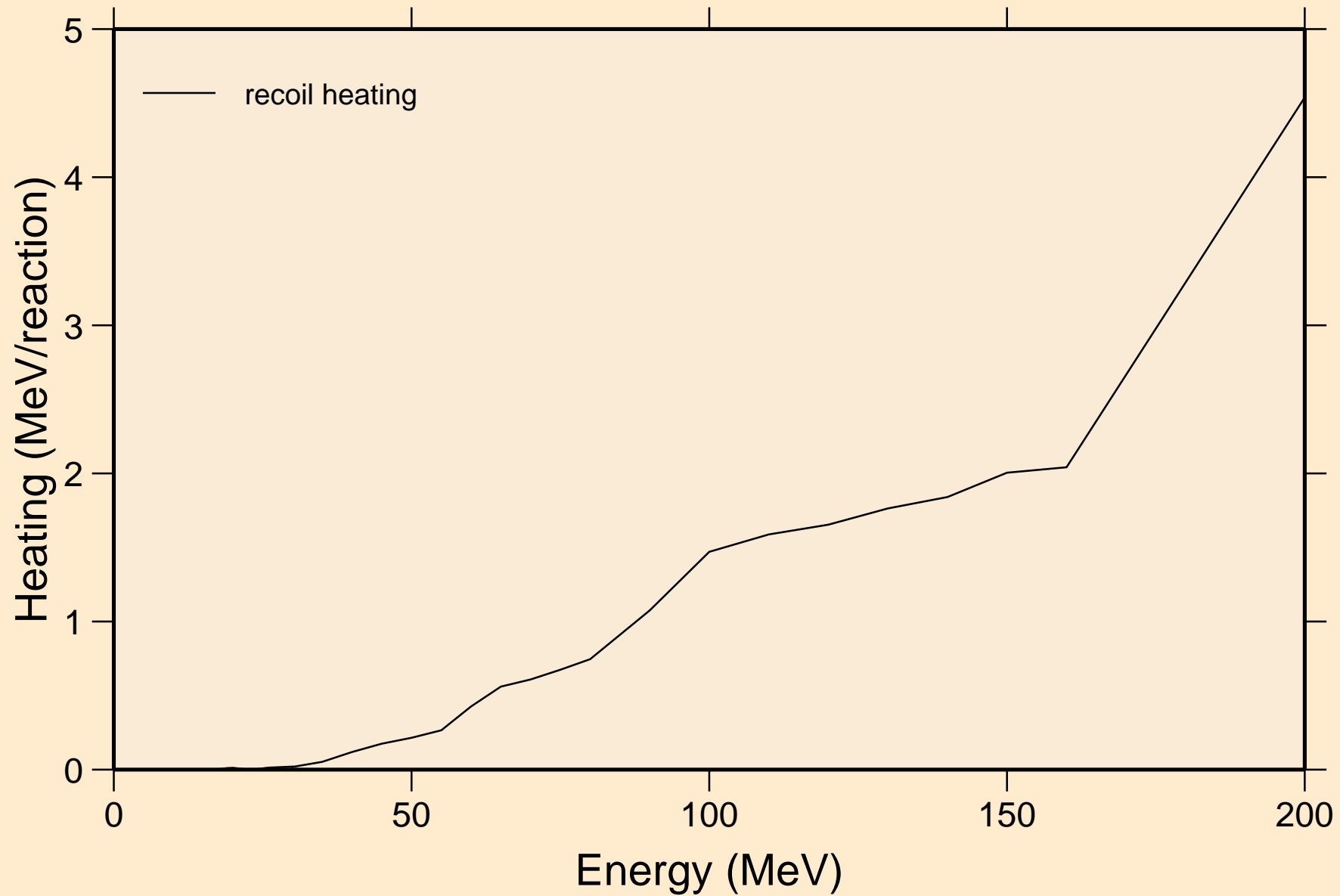


AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Particle heating contributions

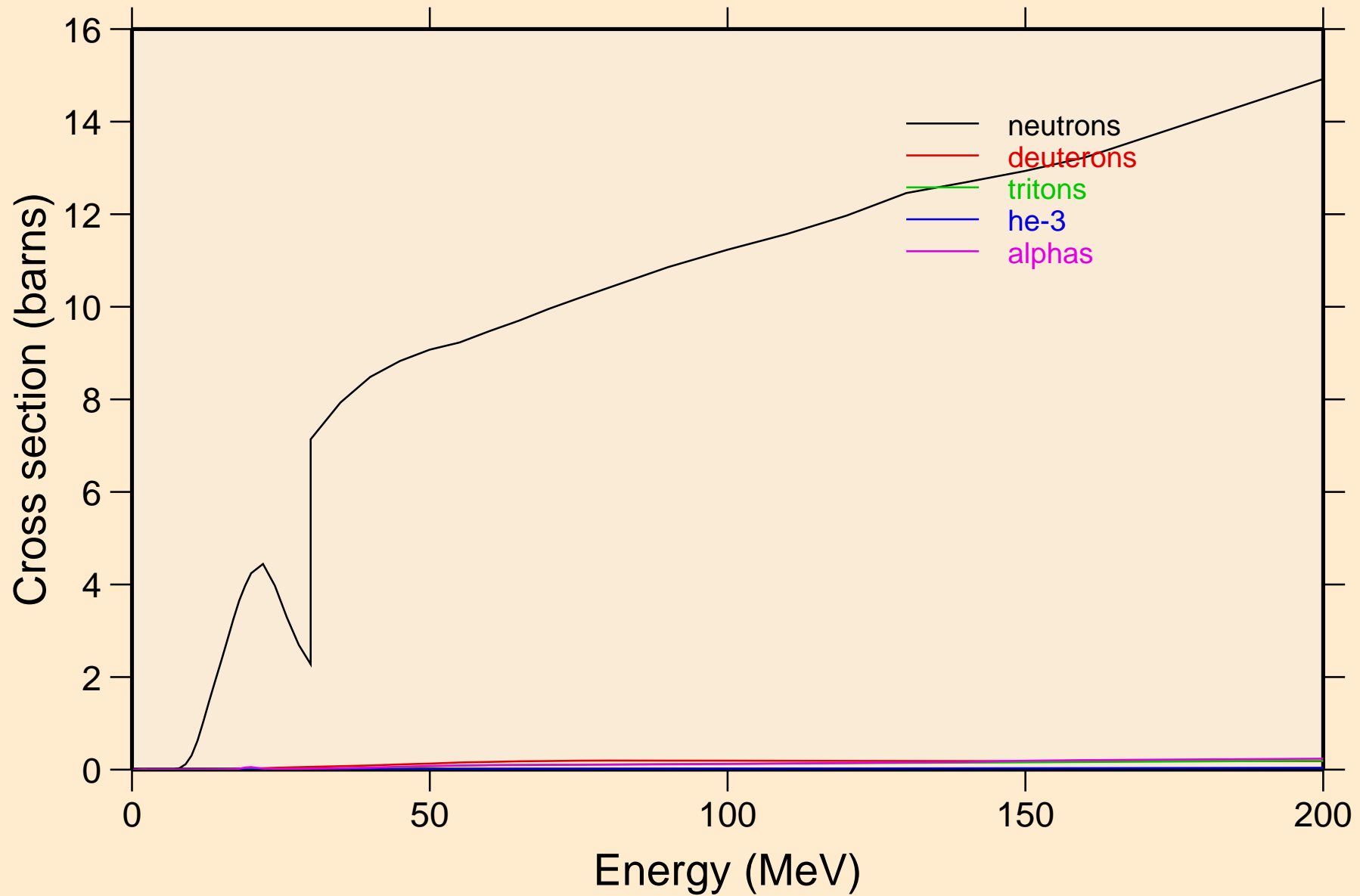




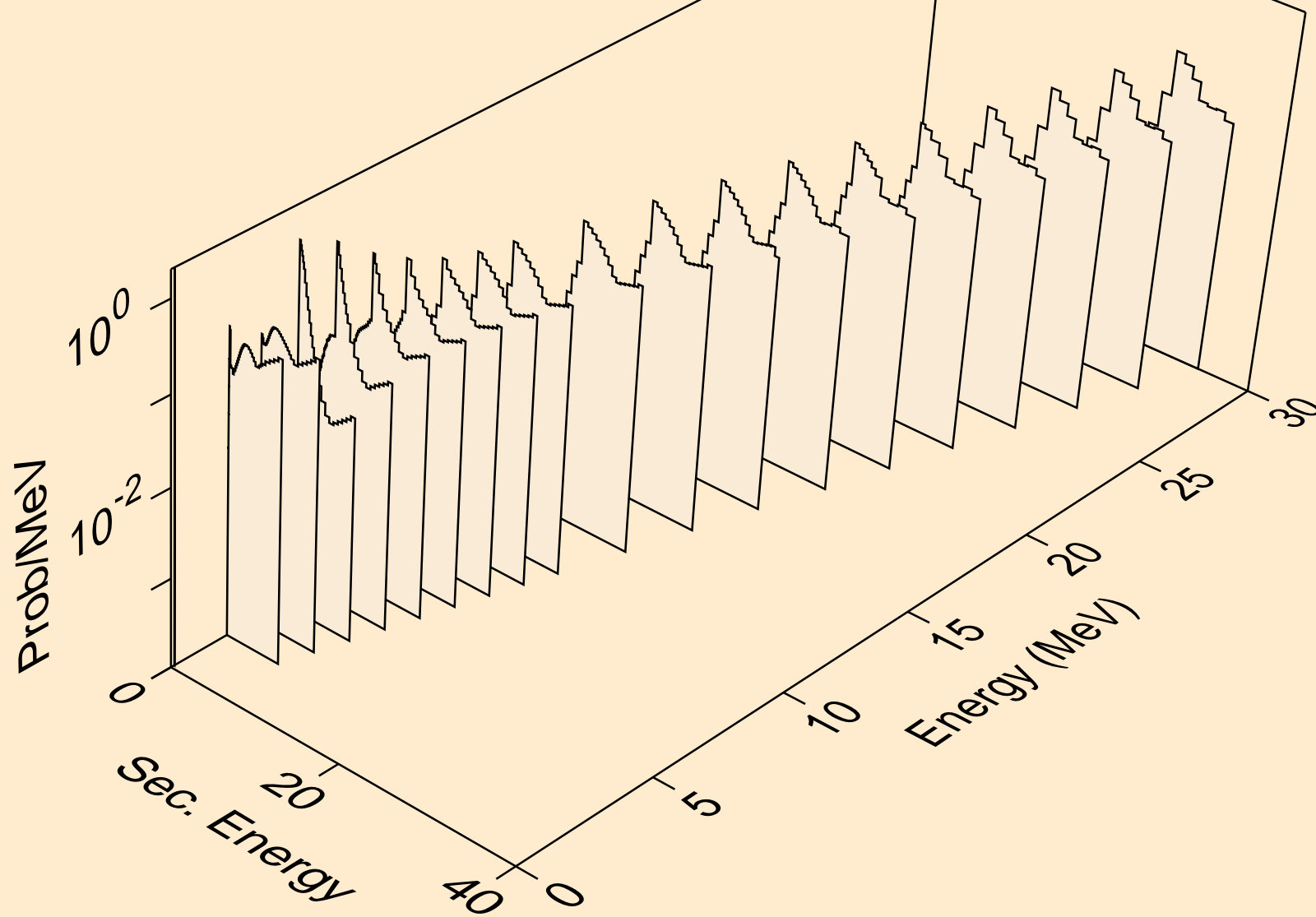
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Recoil Heating



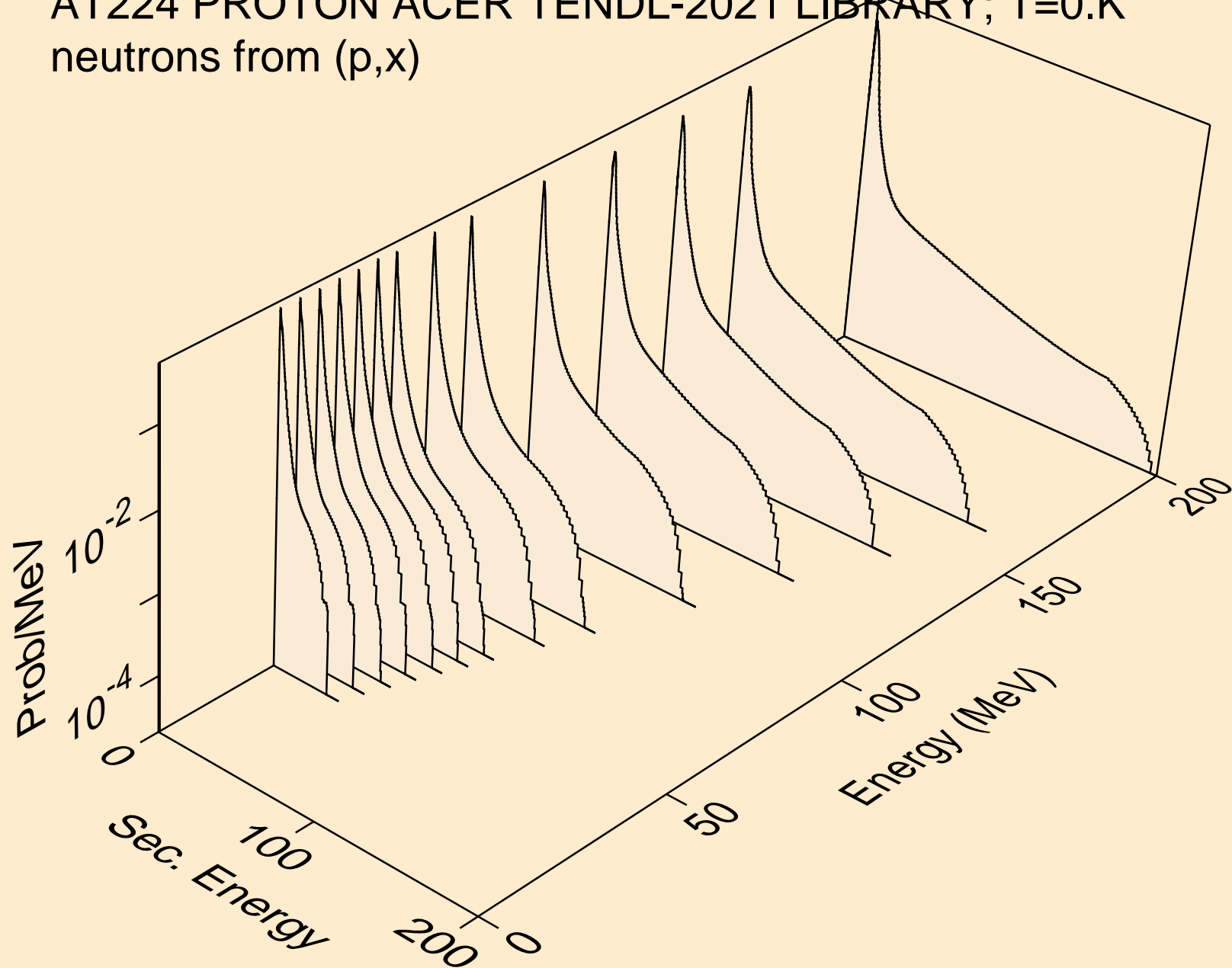
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Particle production cross sections



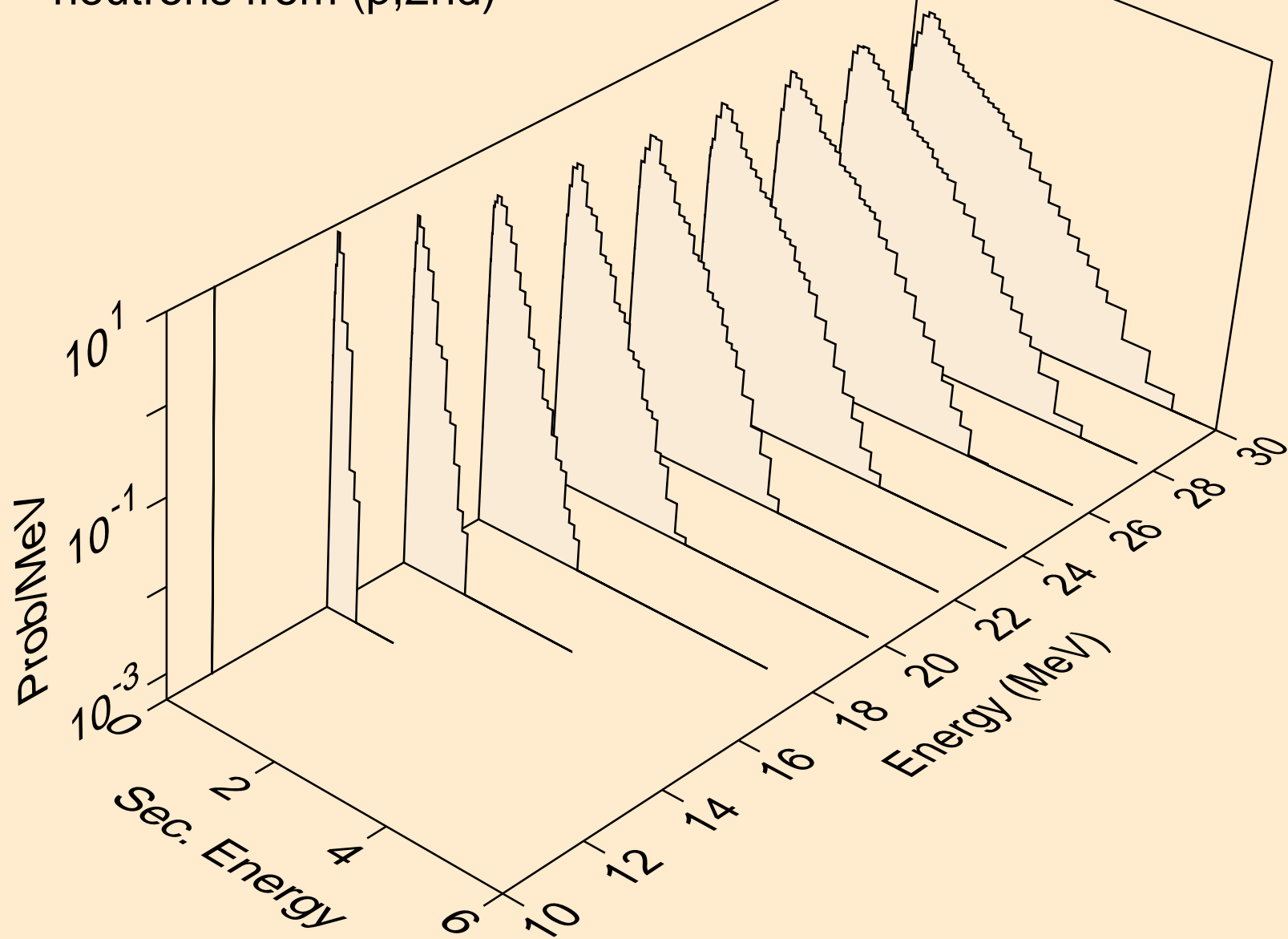
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n)



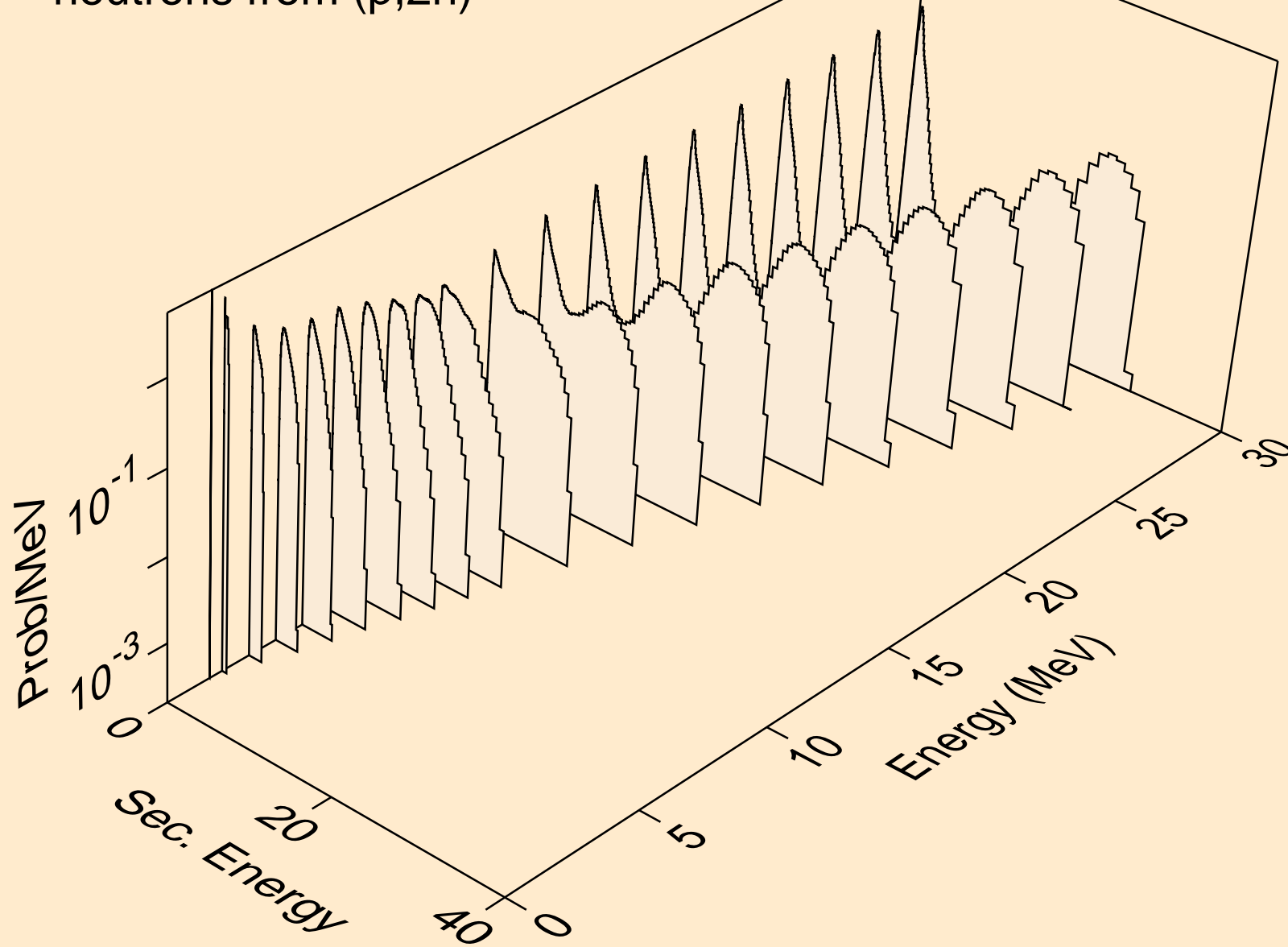
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,x)



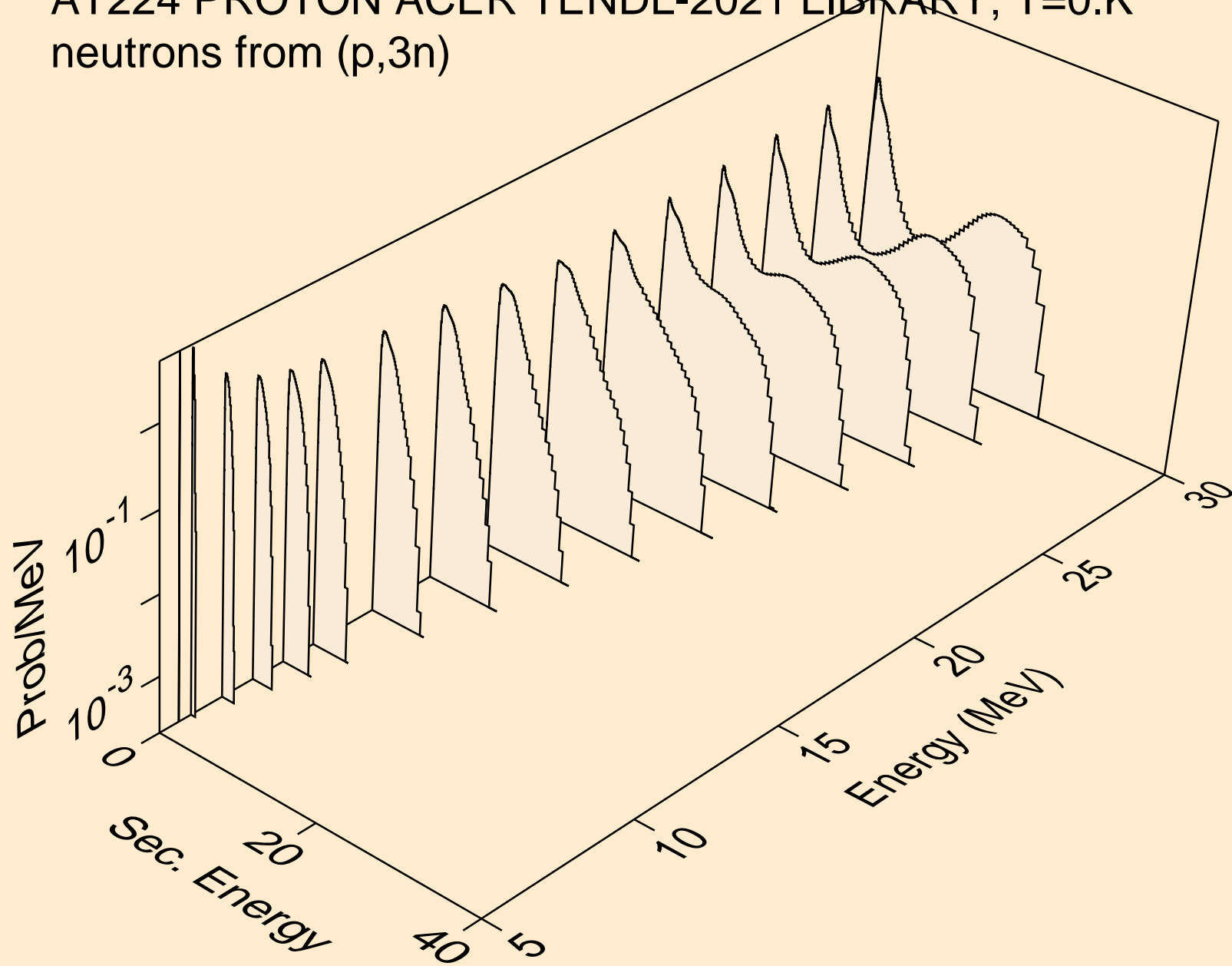
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2nd)



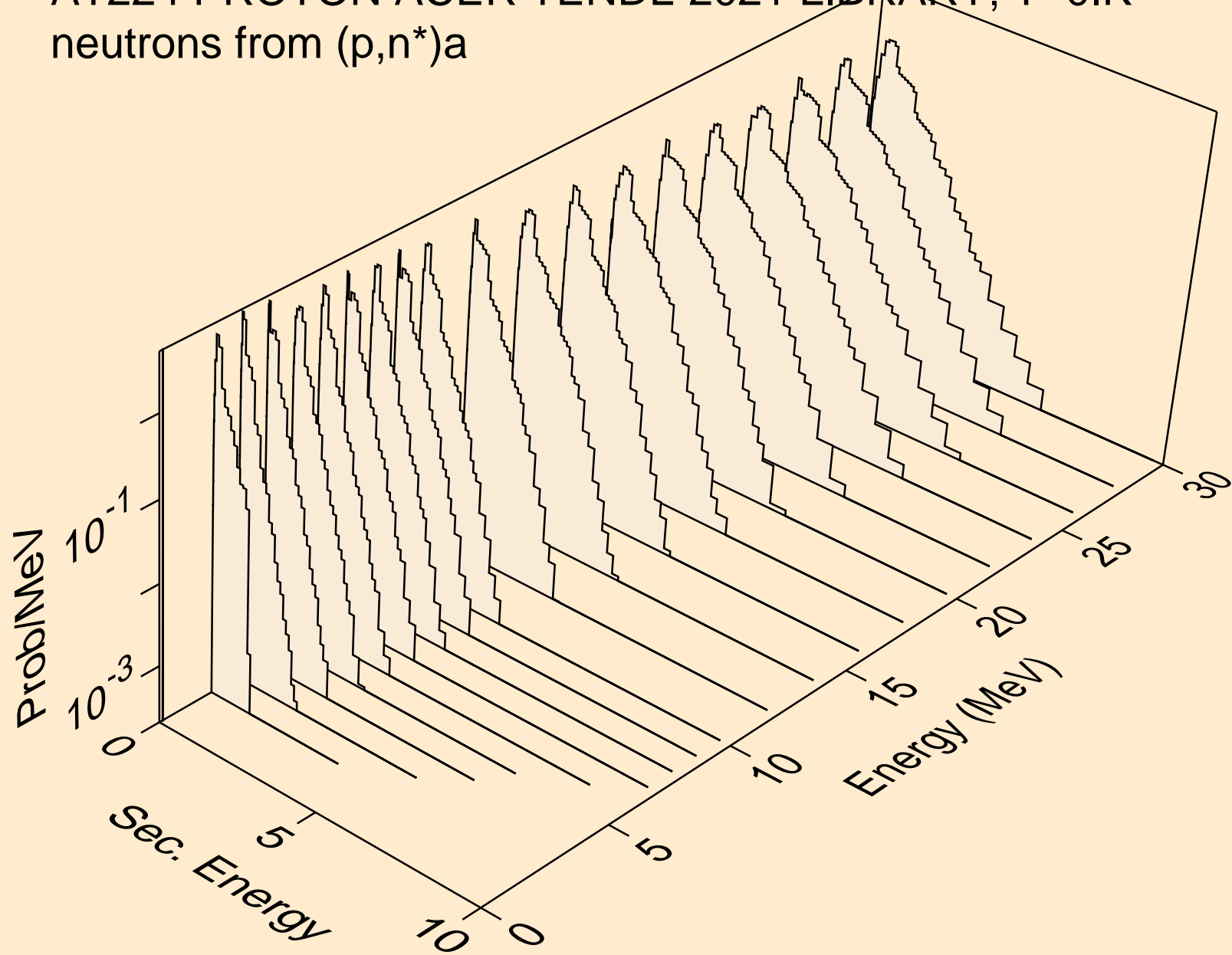
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2n)



AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,3n)

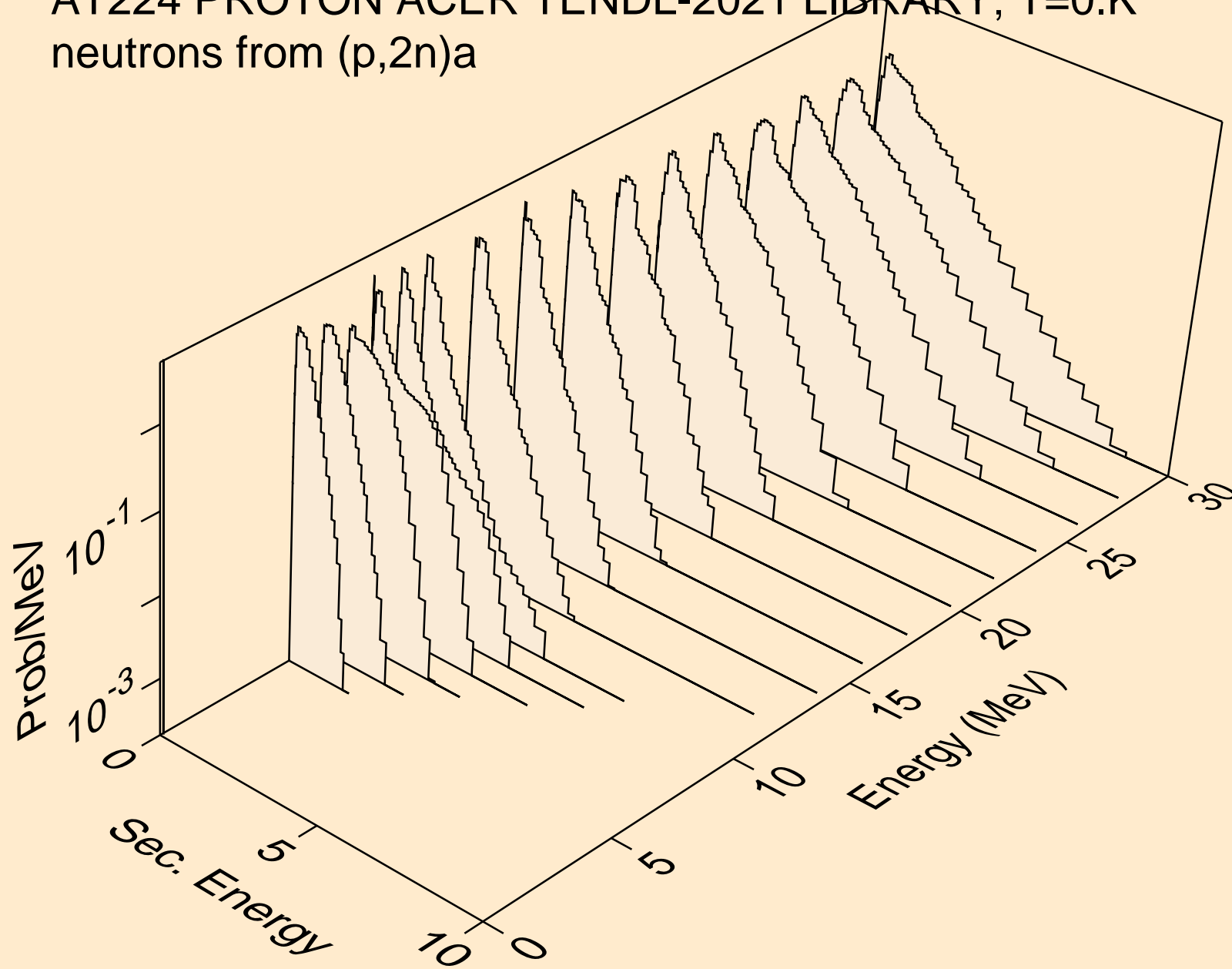


AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)a

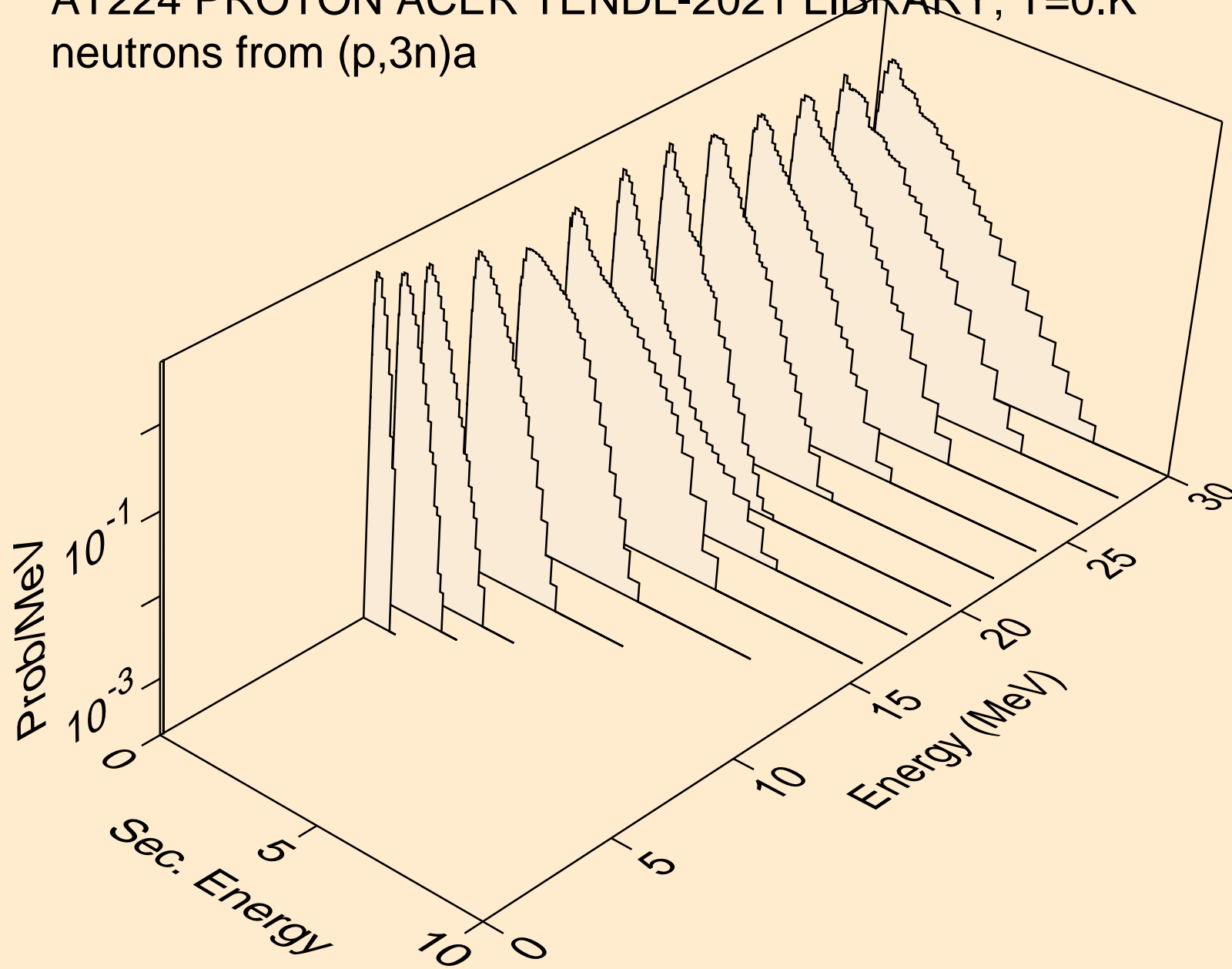




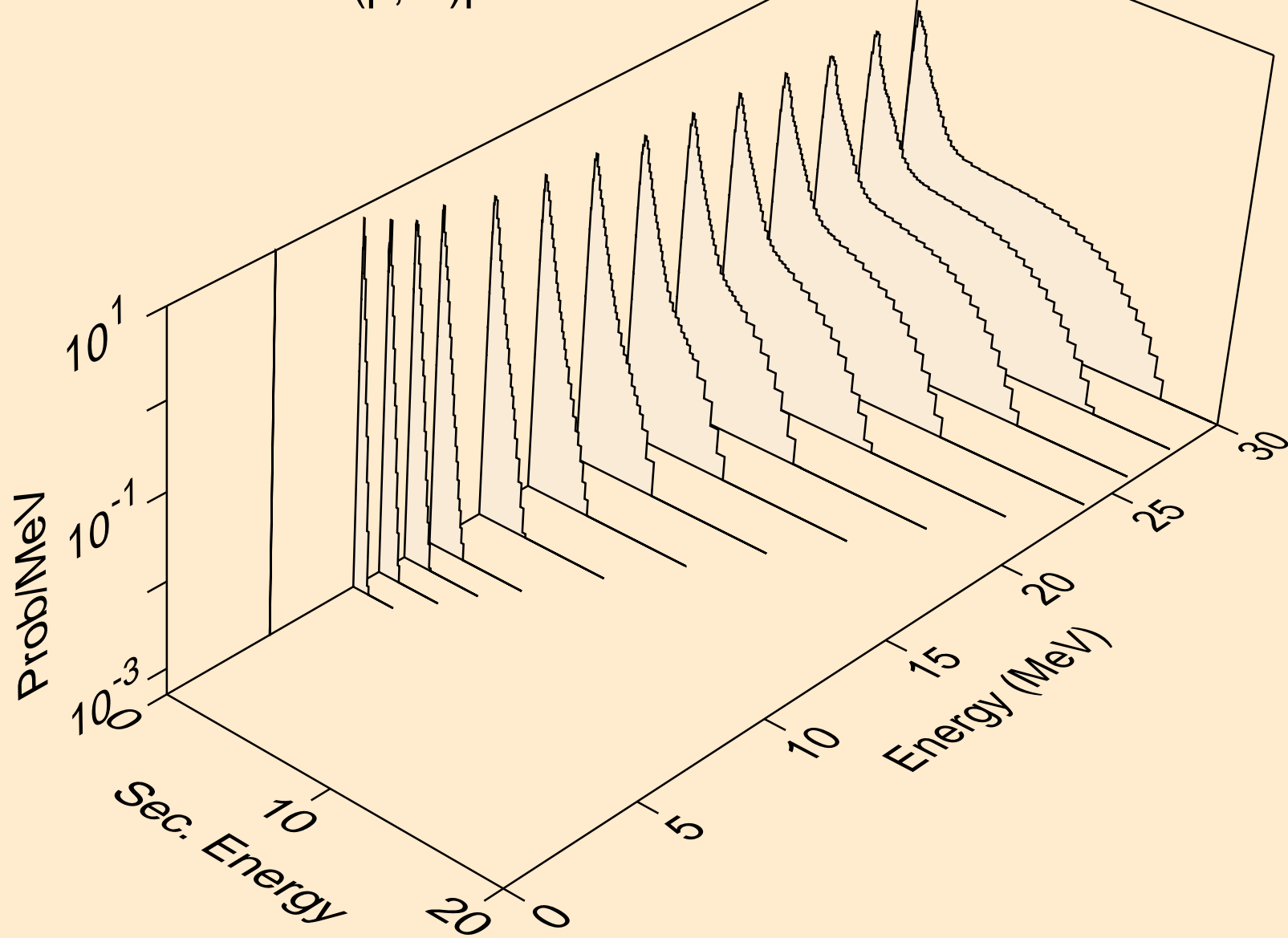
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2n)a



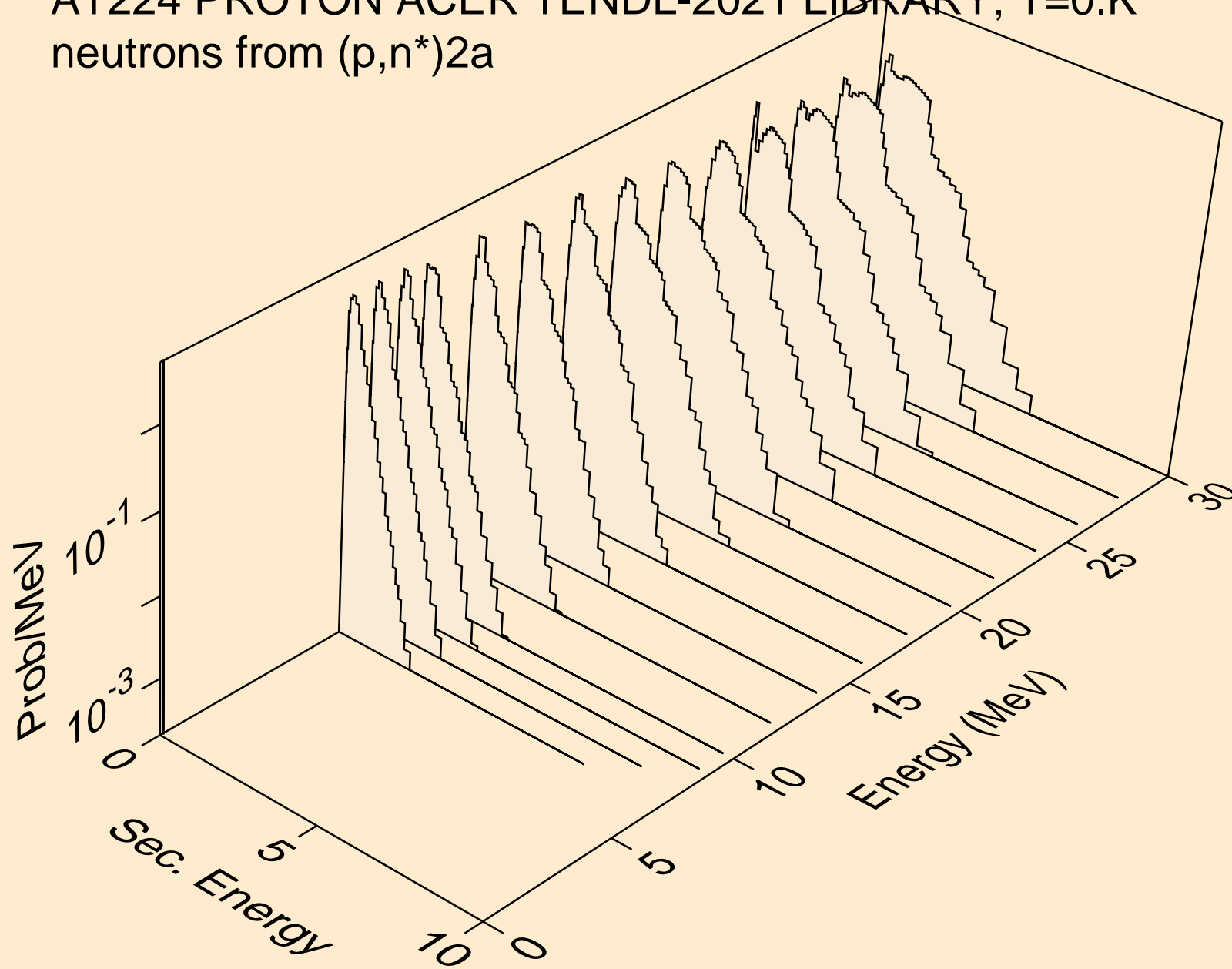
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,3n)a



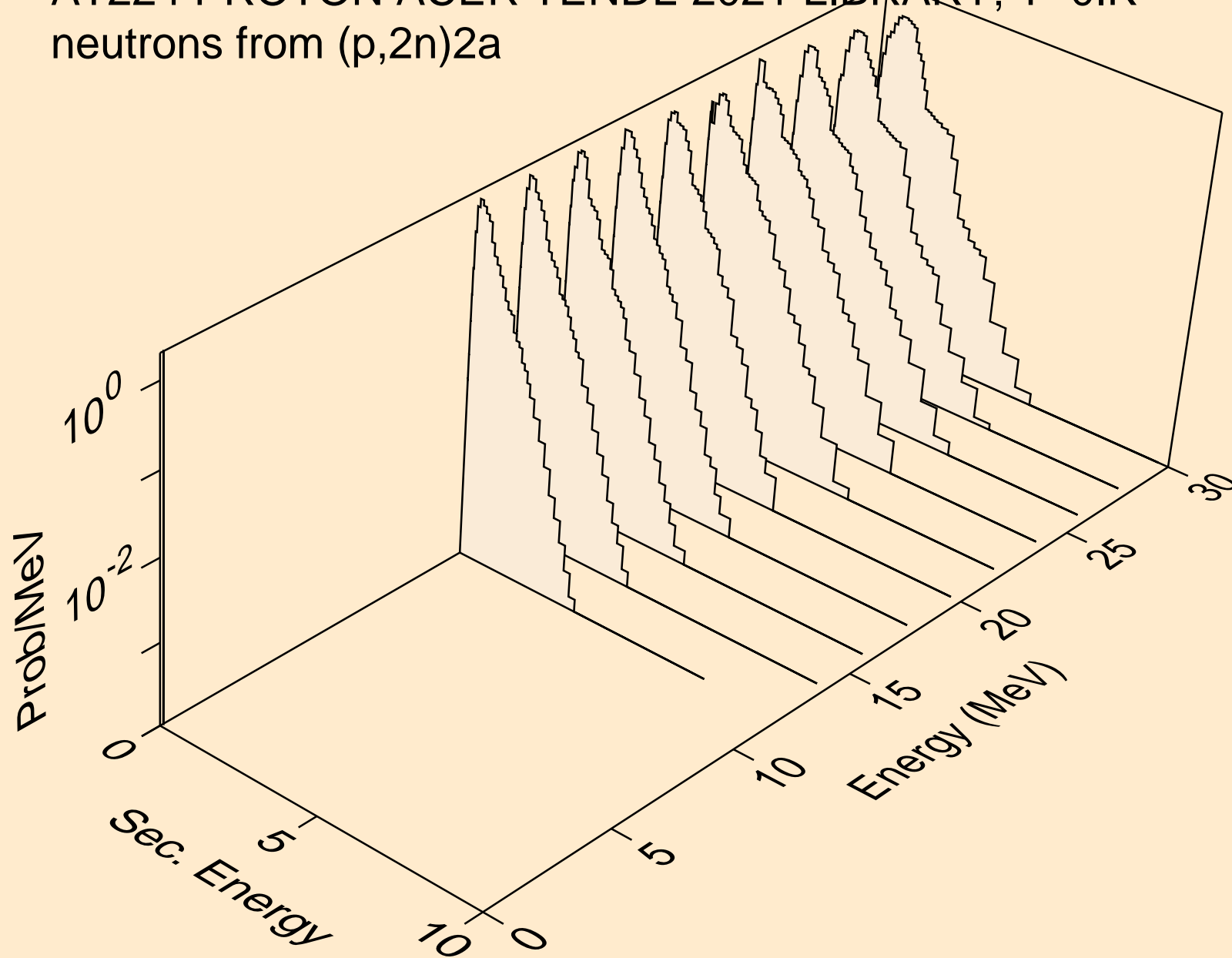
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)p



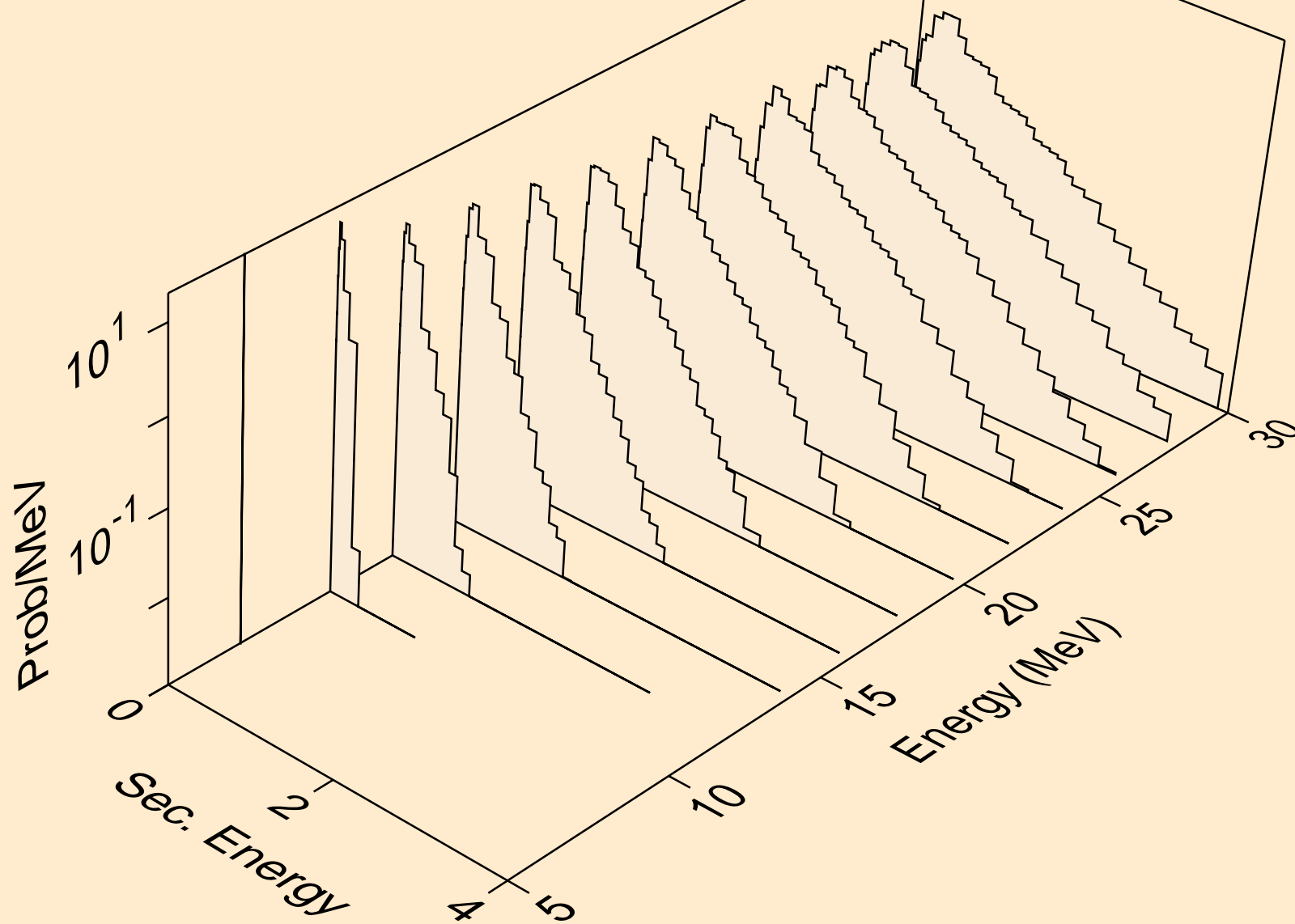
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neutrons from (p,n\*)2a



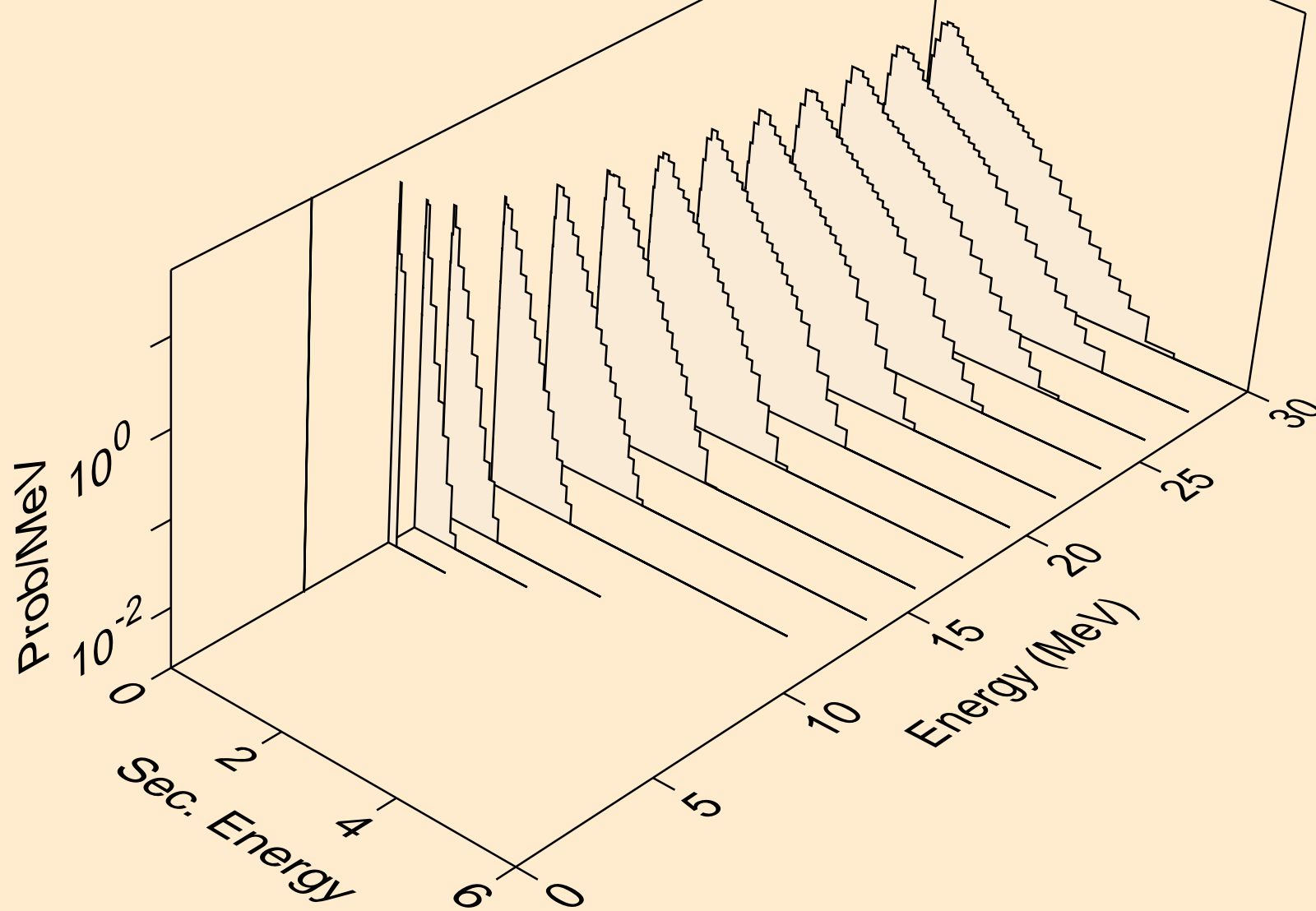
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neutrons from (p,2n)2a



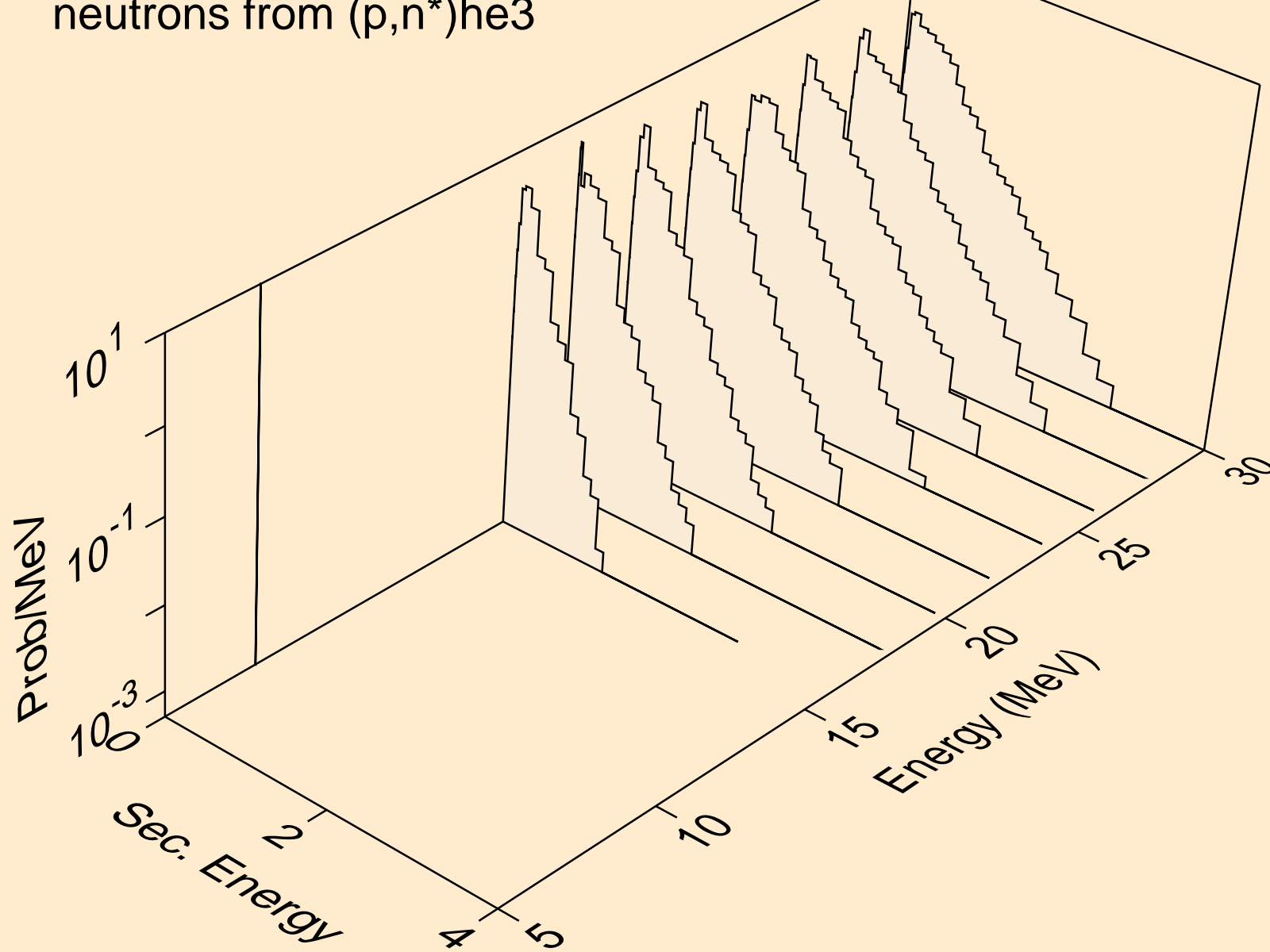
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)d



AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)t

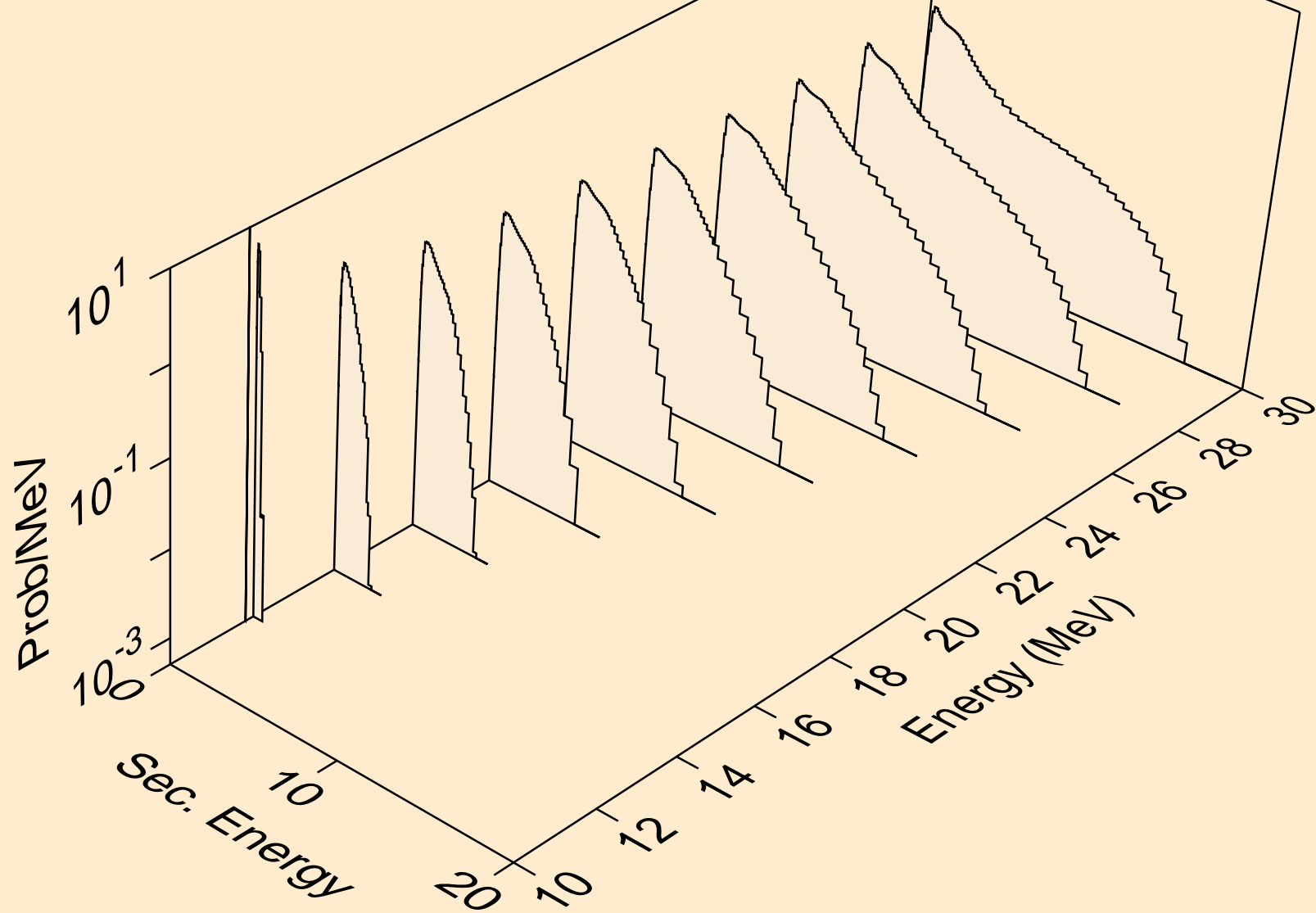


AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)he3

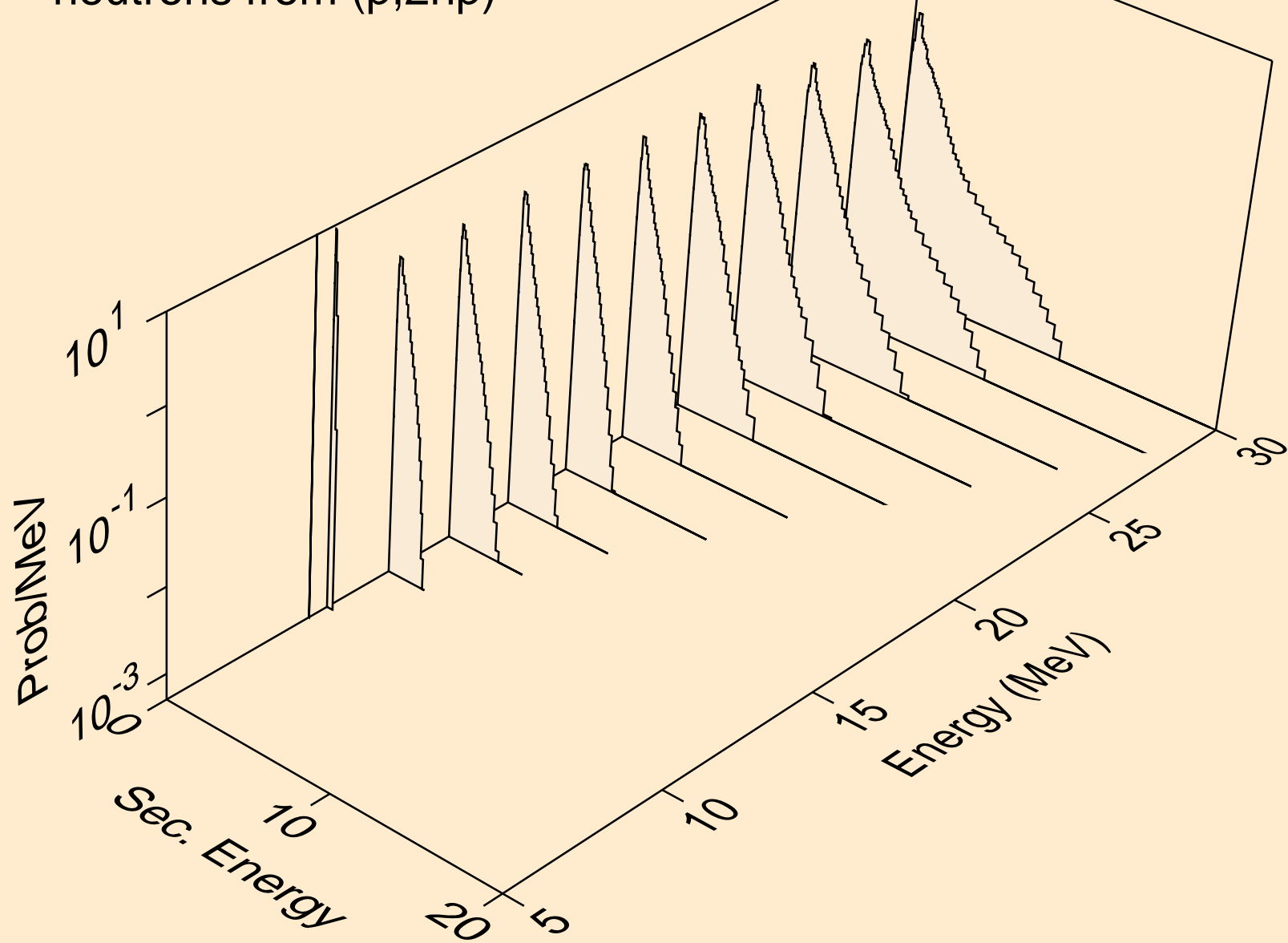




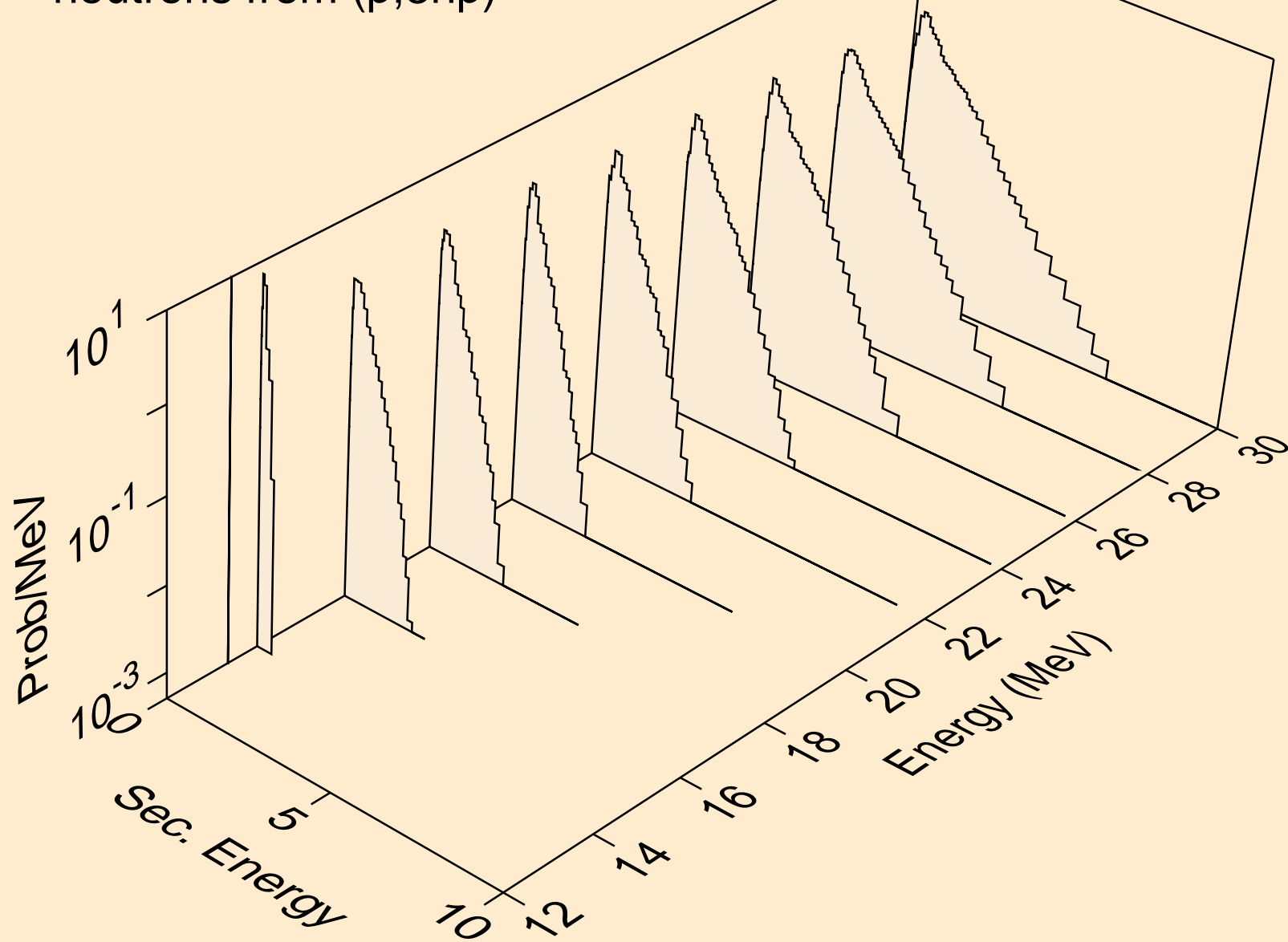
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,4n)



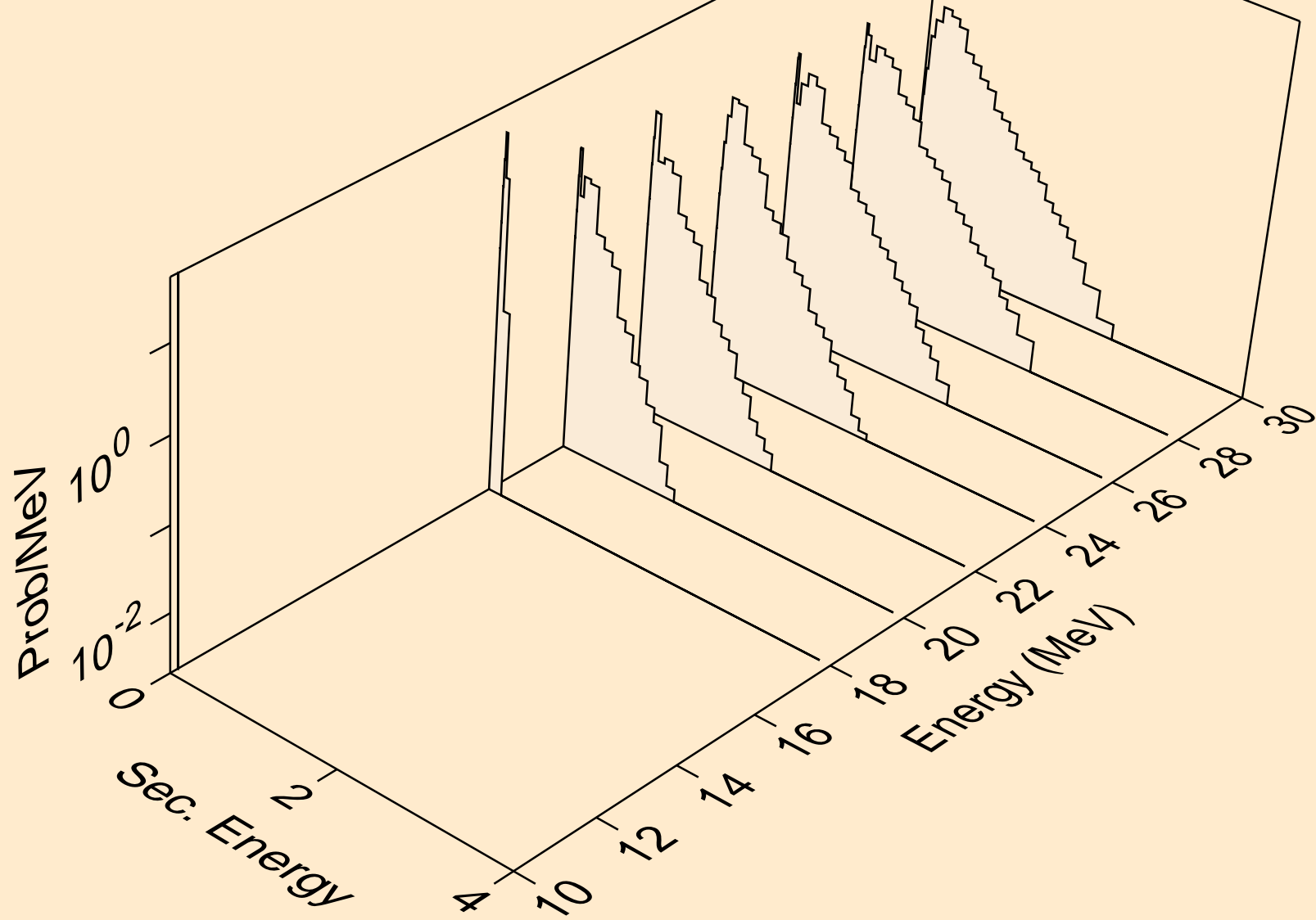
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neutrons from (p,2np)



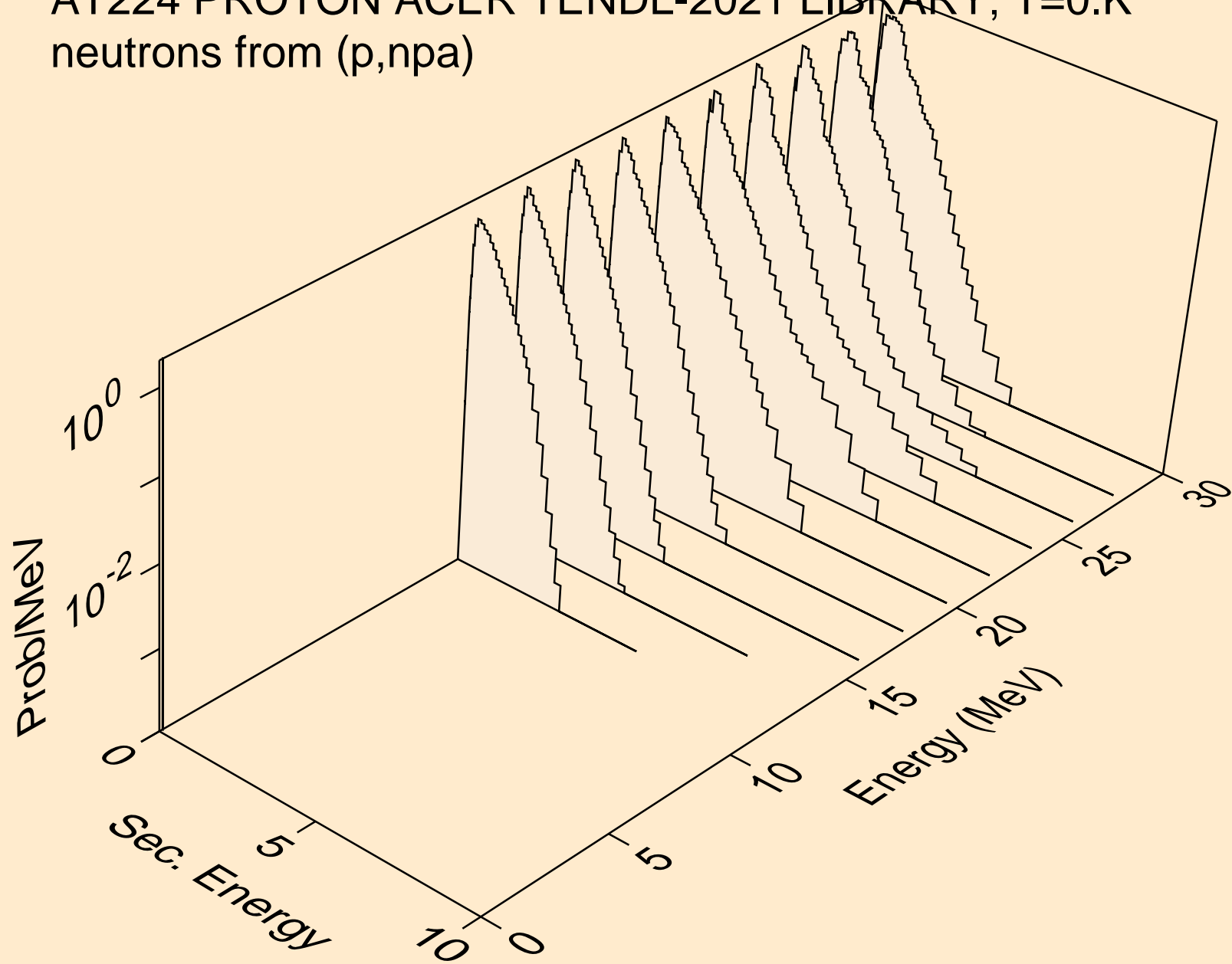
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,3np)



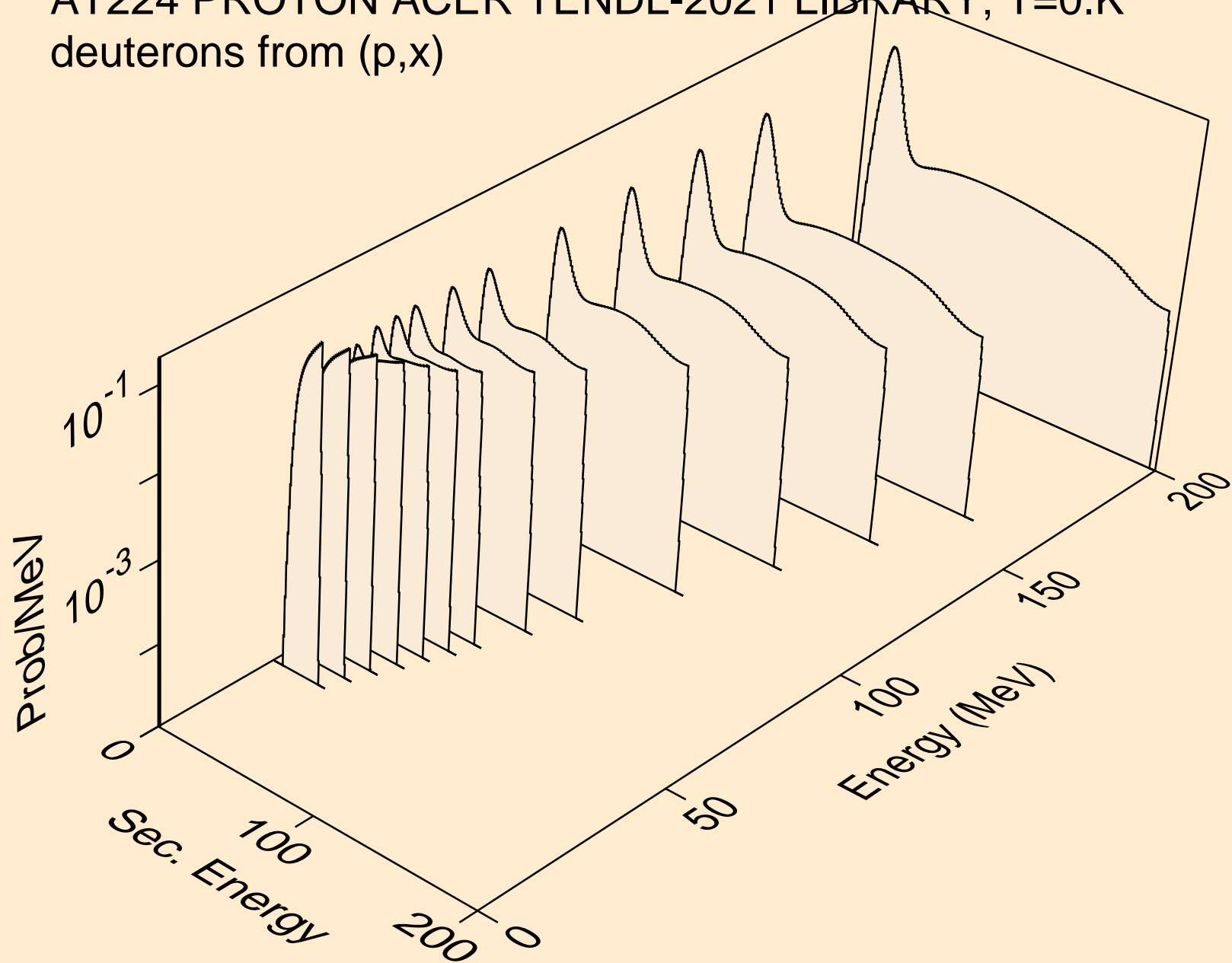
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2np)



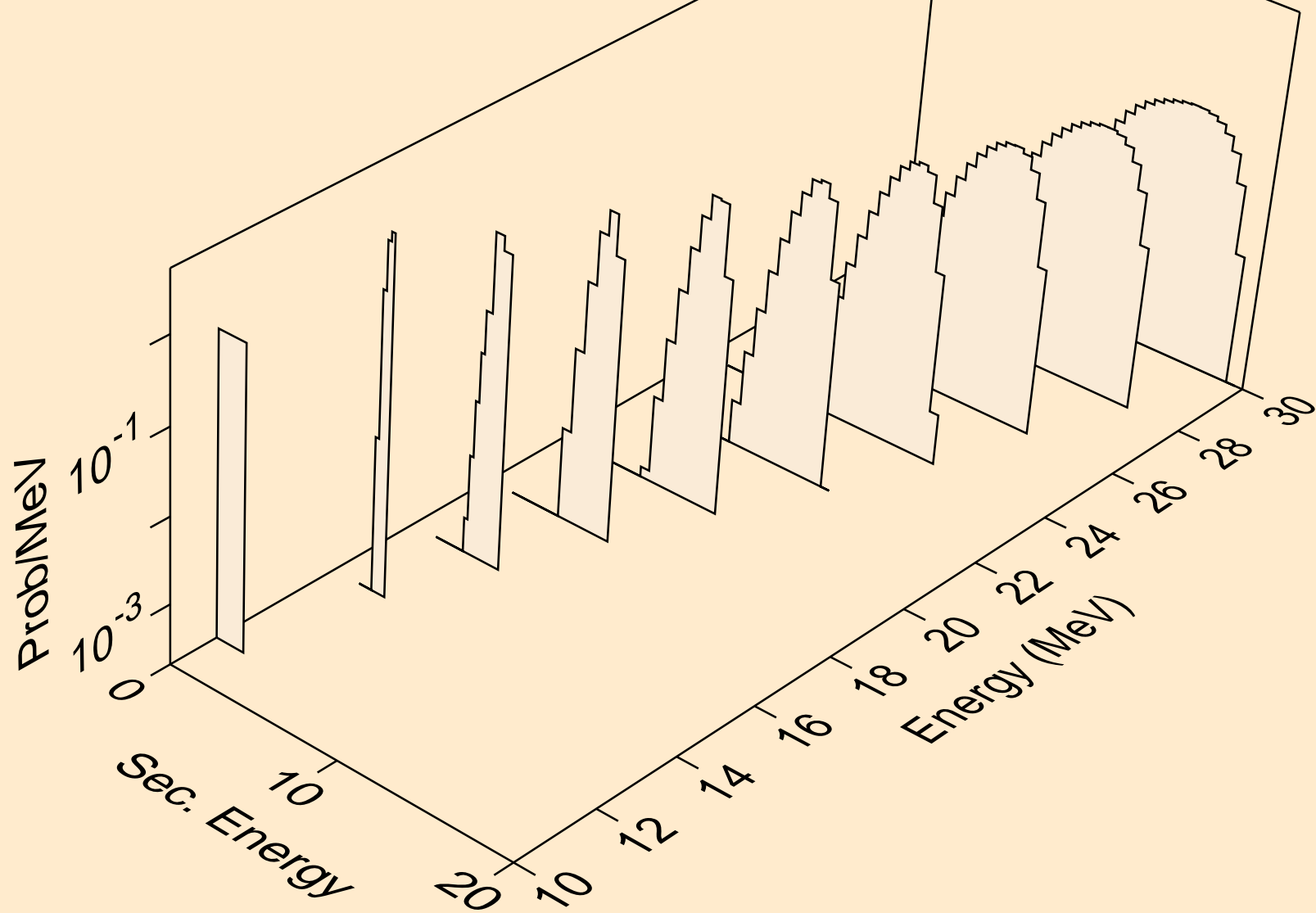
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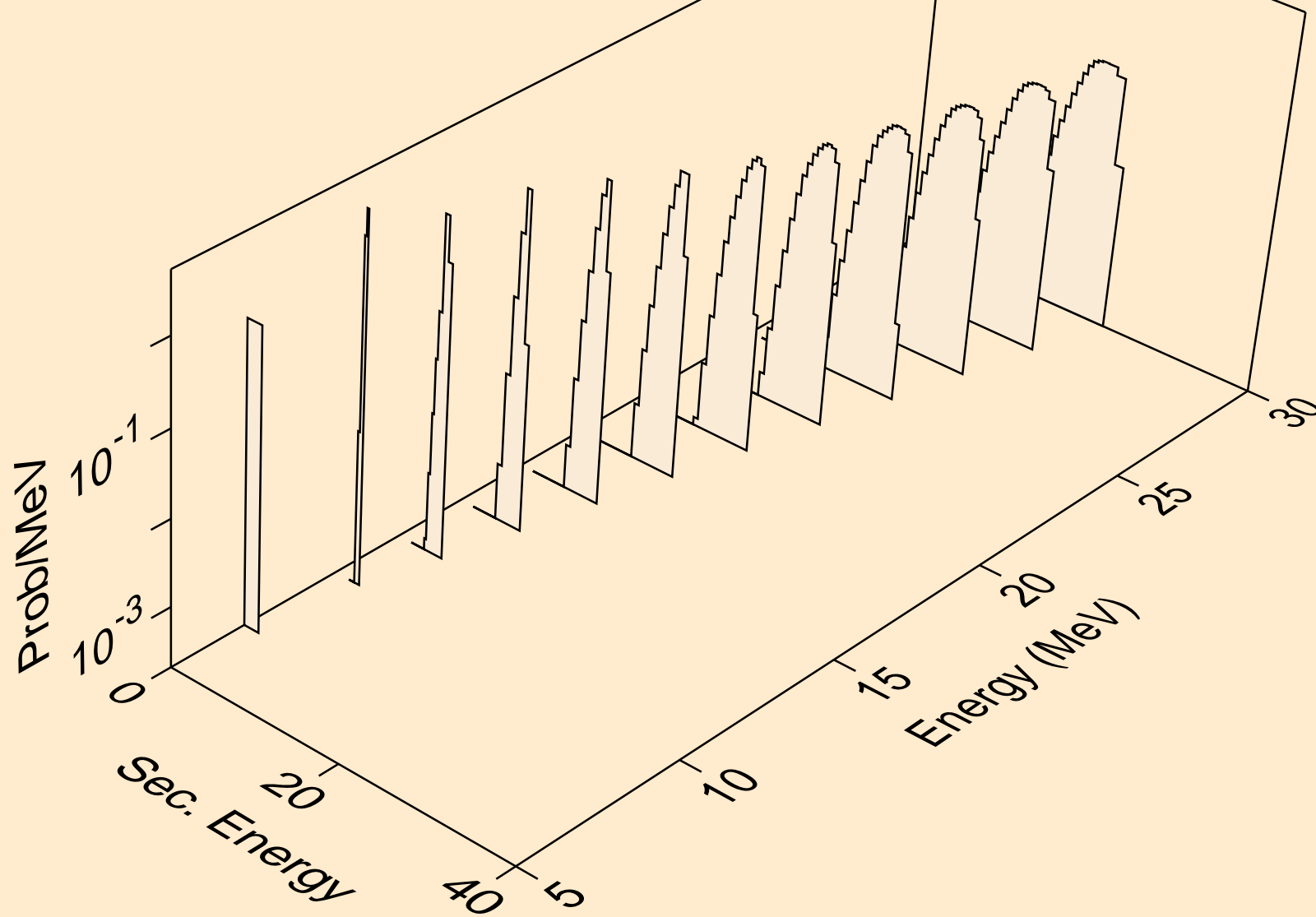
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,x)



AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,2nd)

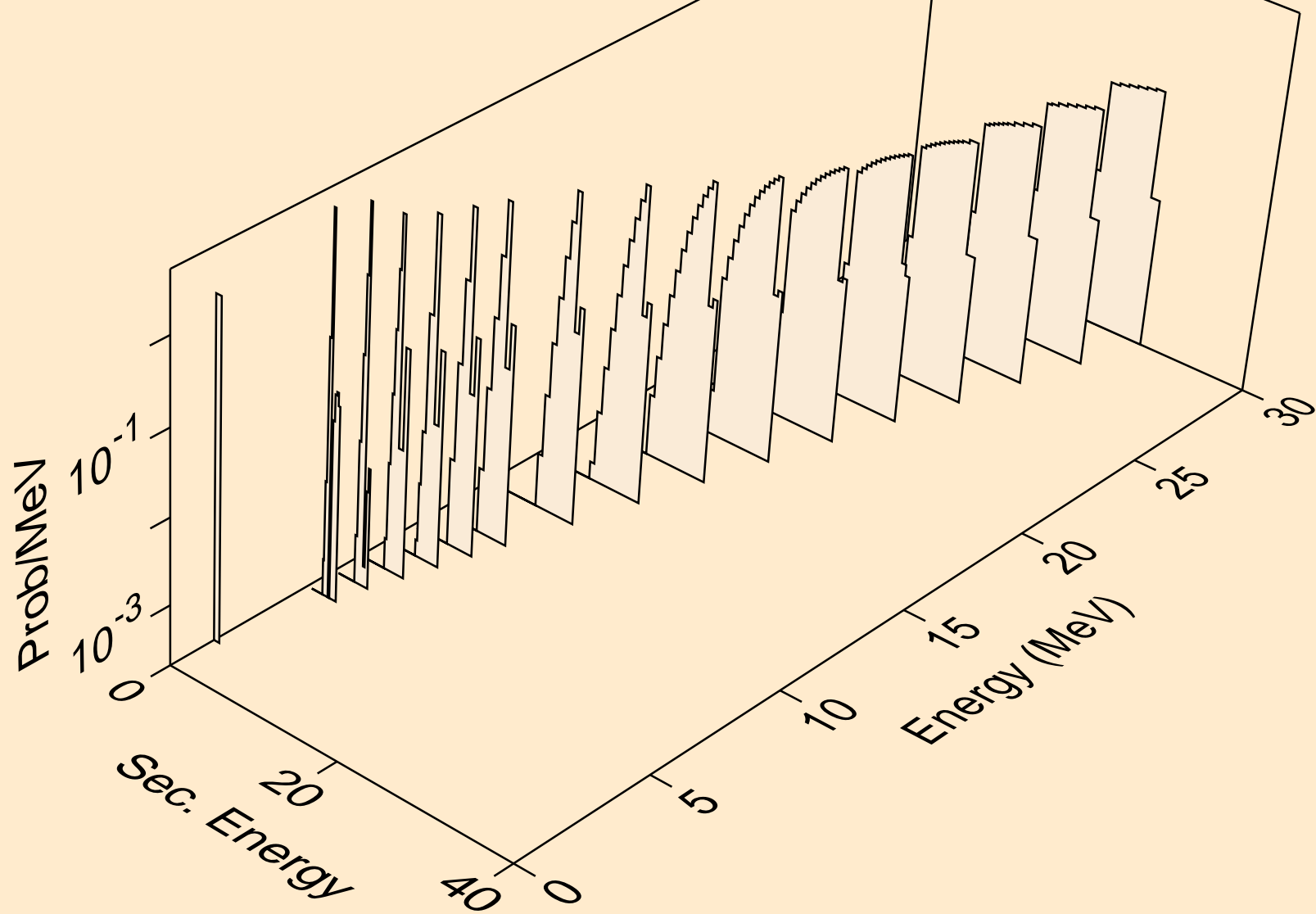


AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,n\*)d

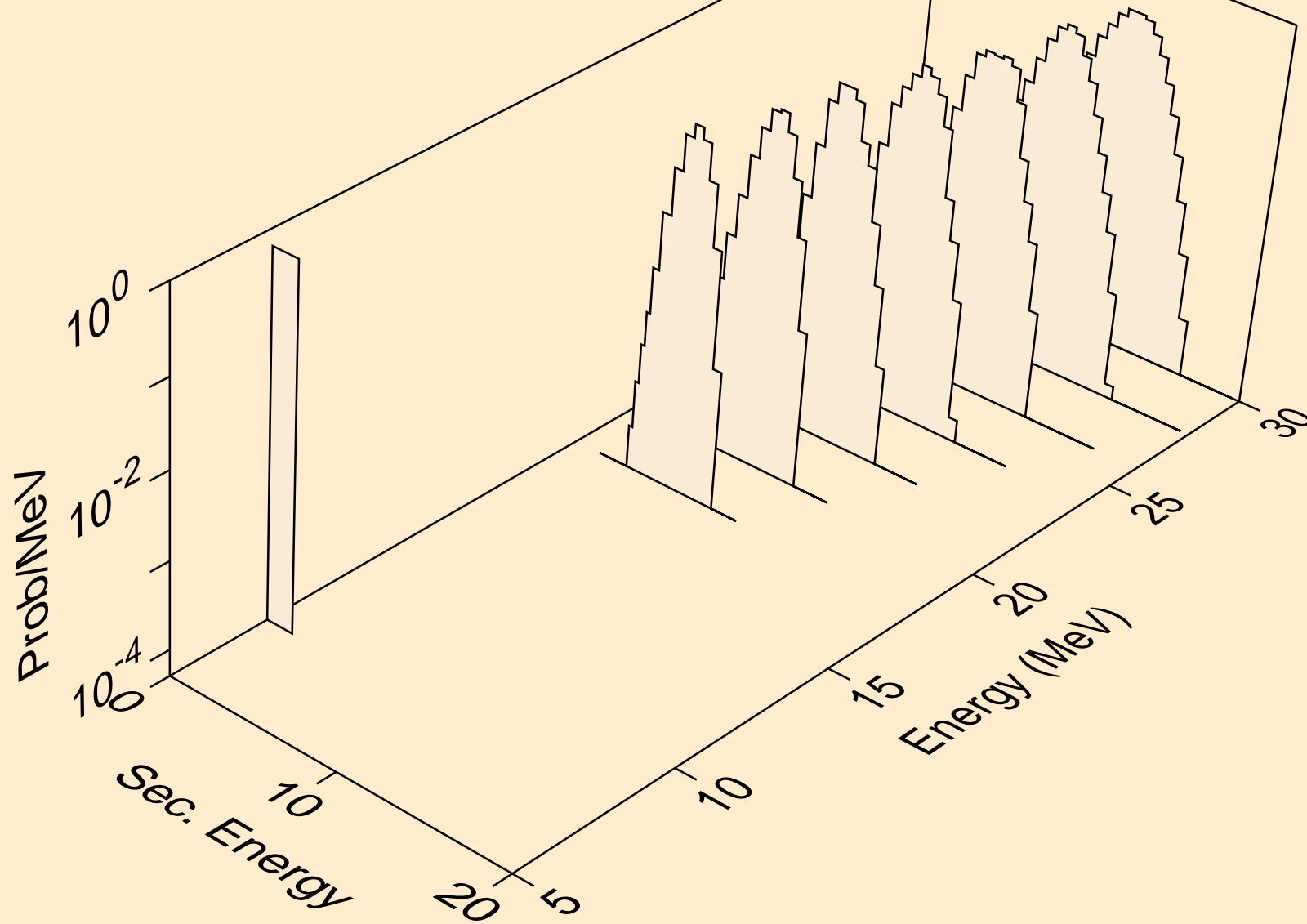




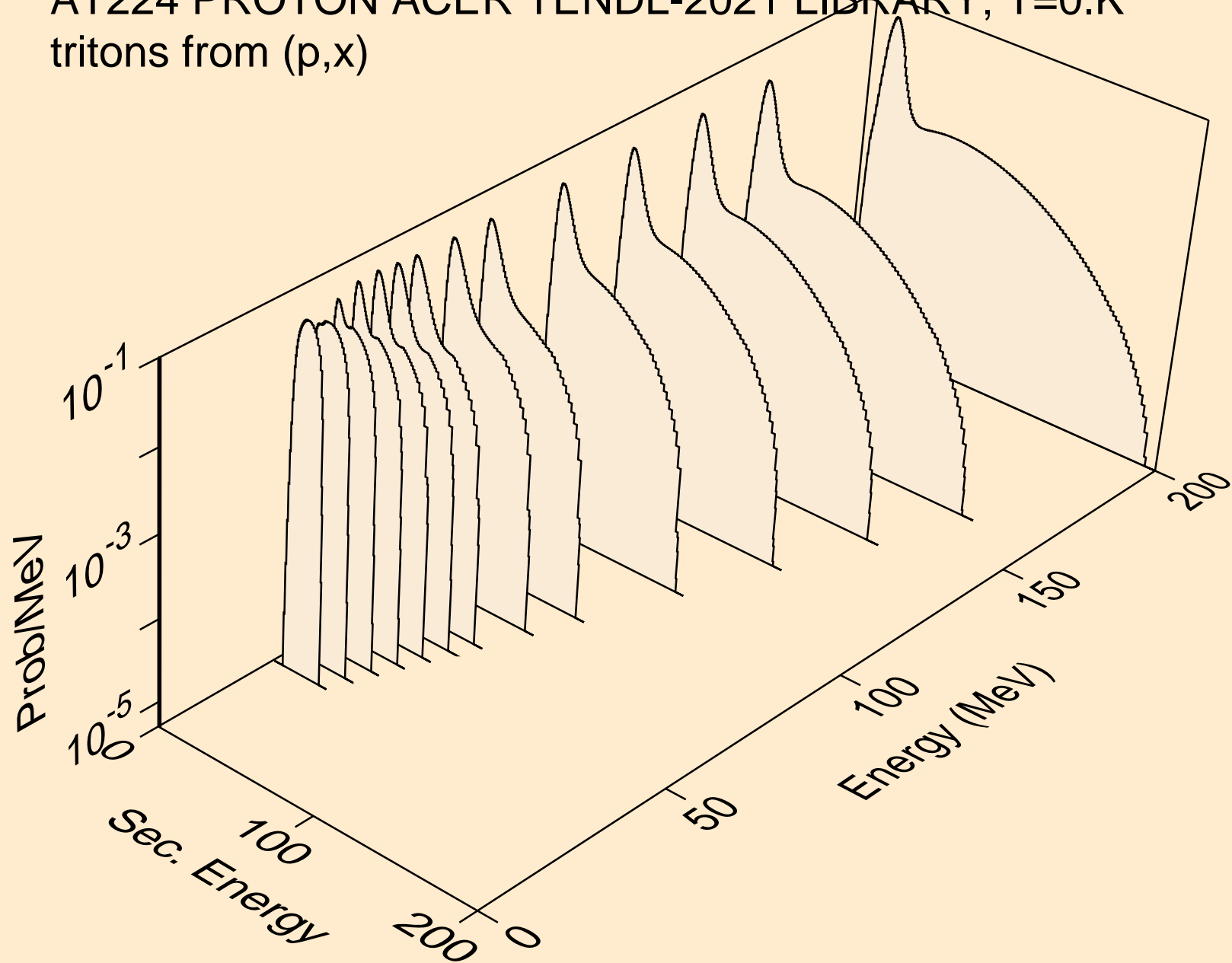
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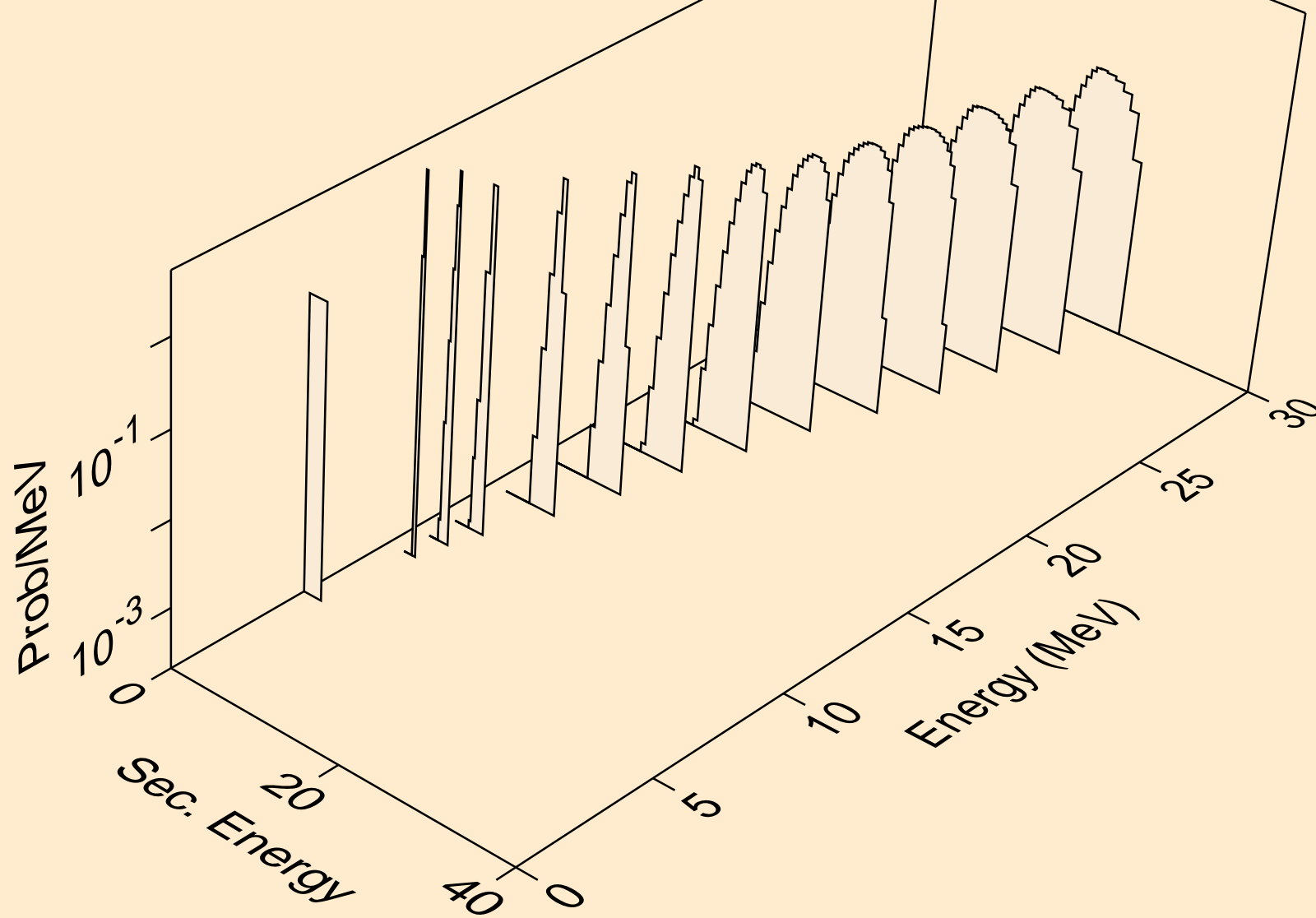
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deuterons from (p,pd)



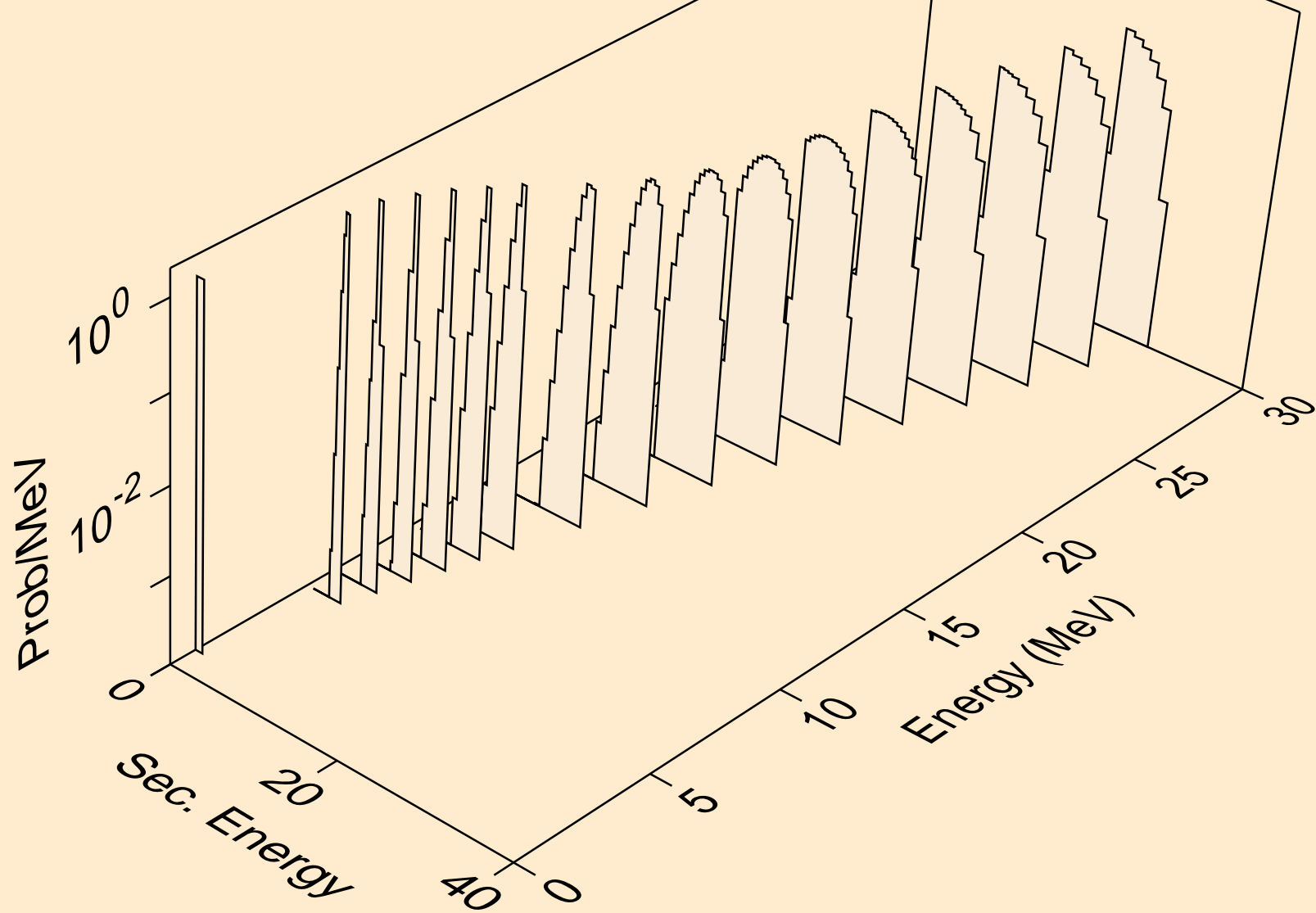
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tritons from (p,x)



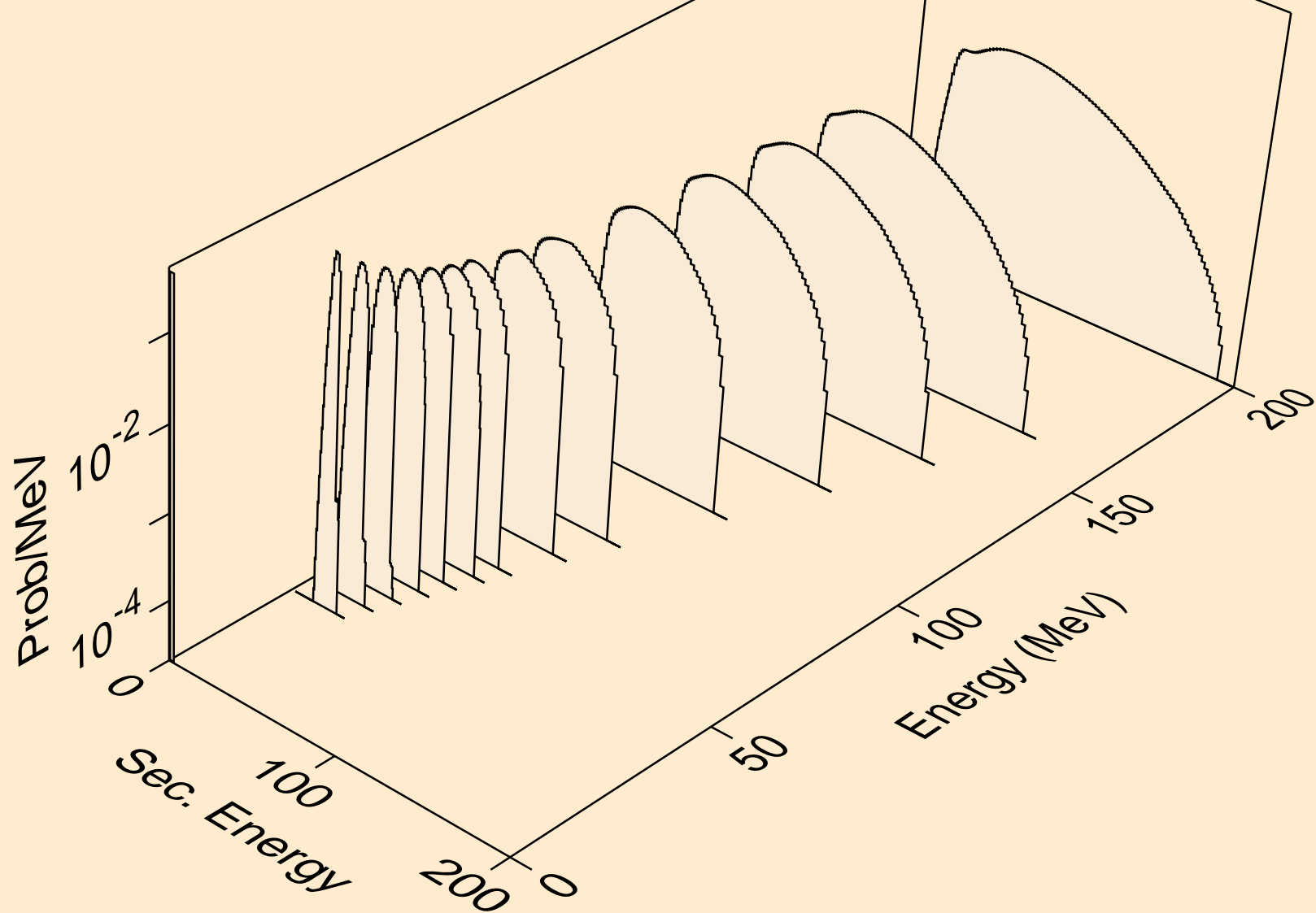
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tritons from (p,n\*)t



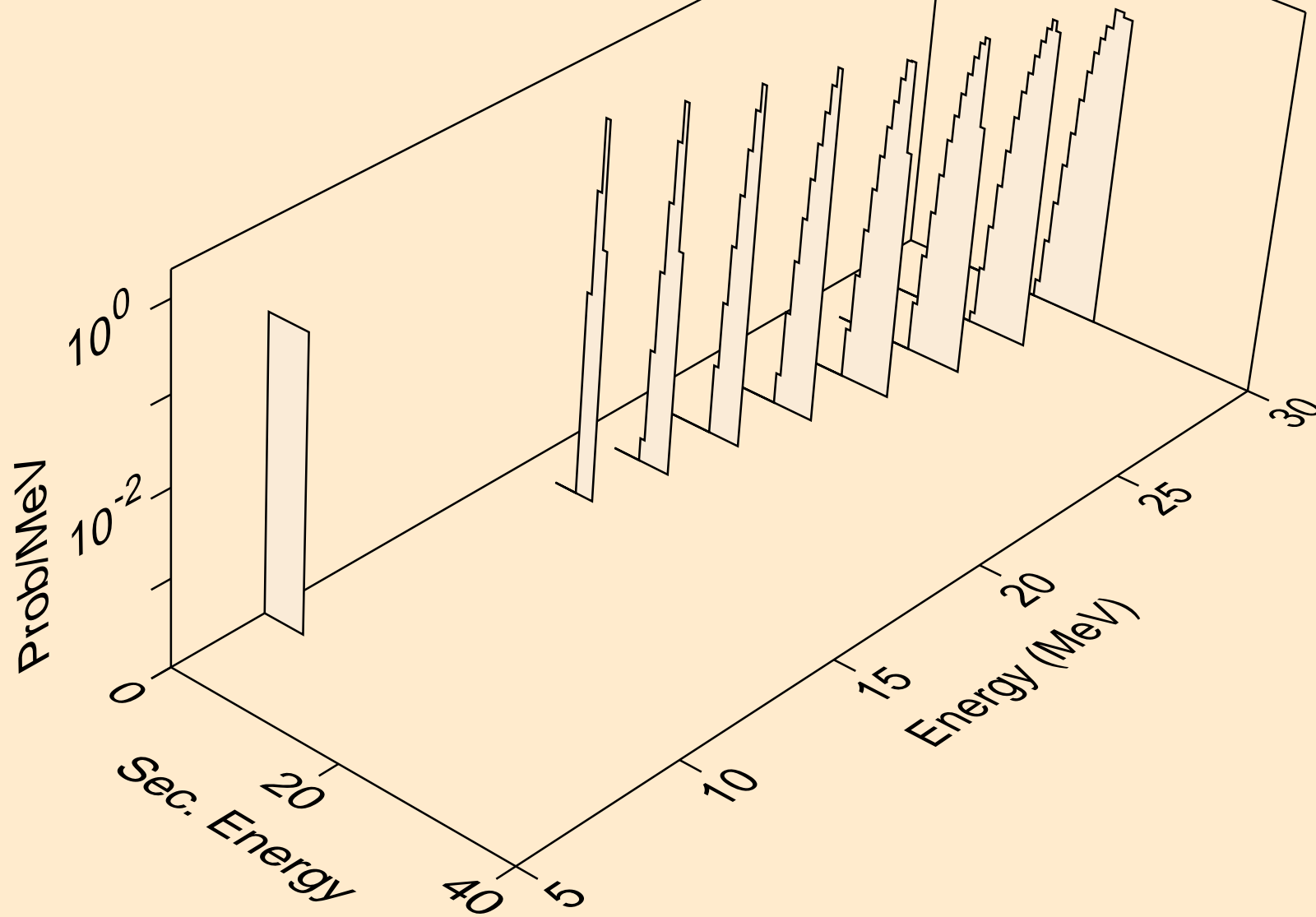
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tritons from (p,t)



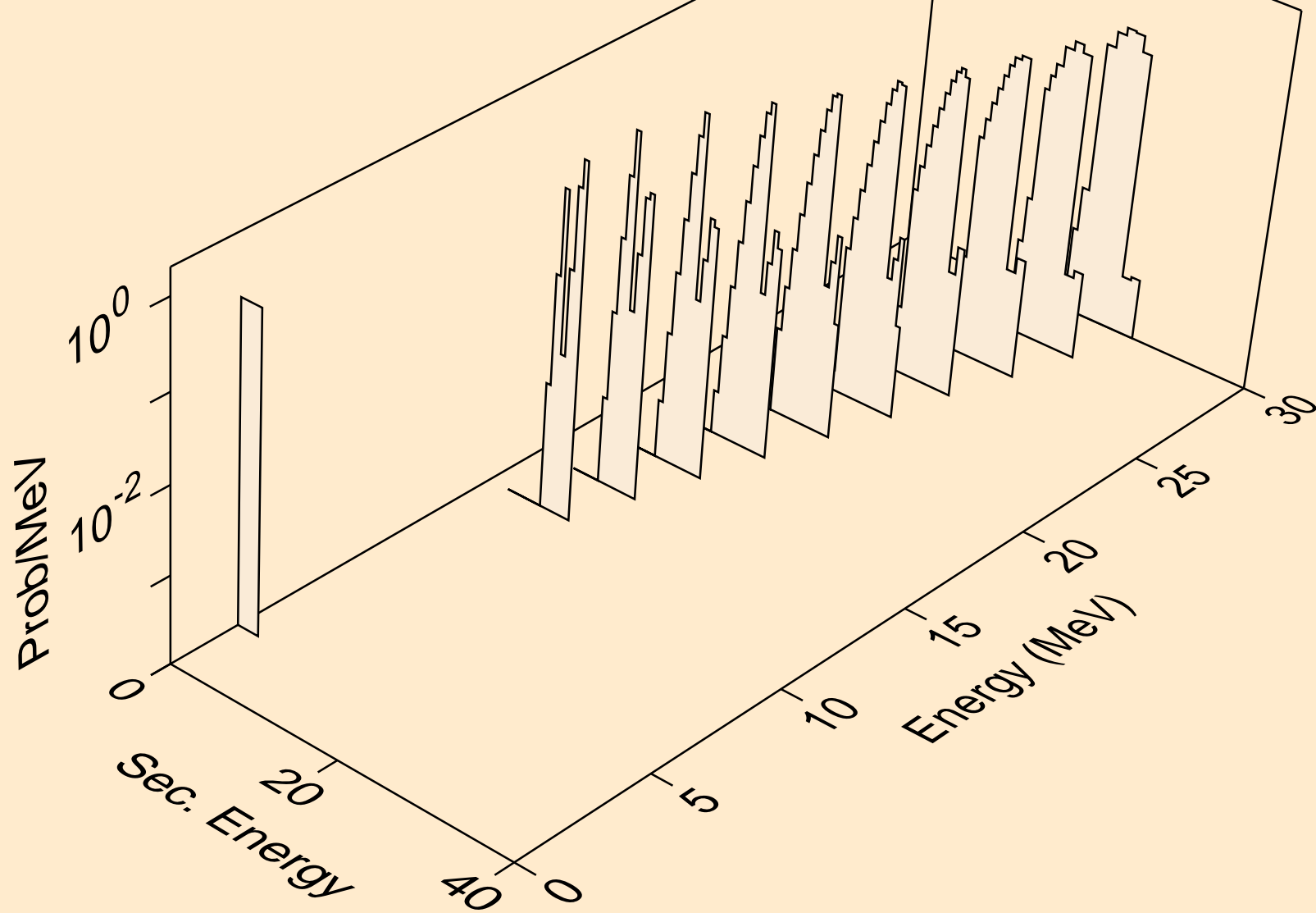
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,x)



AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,n\*)he3

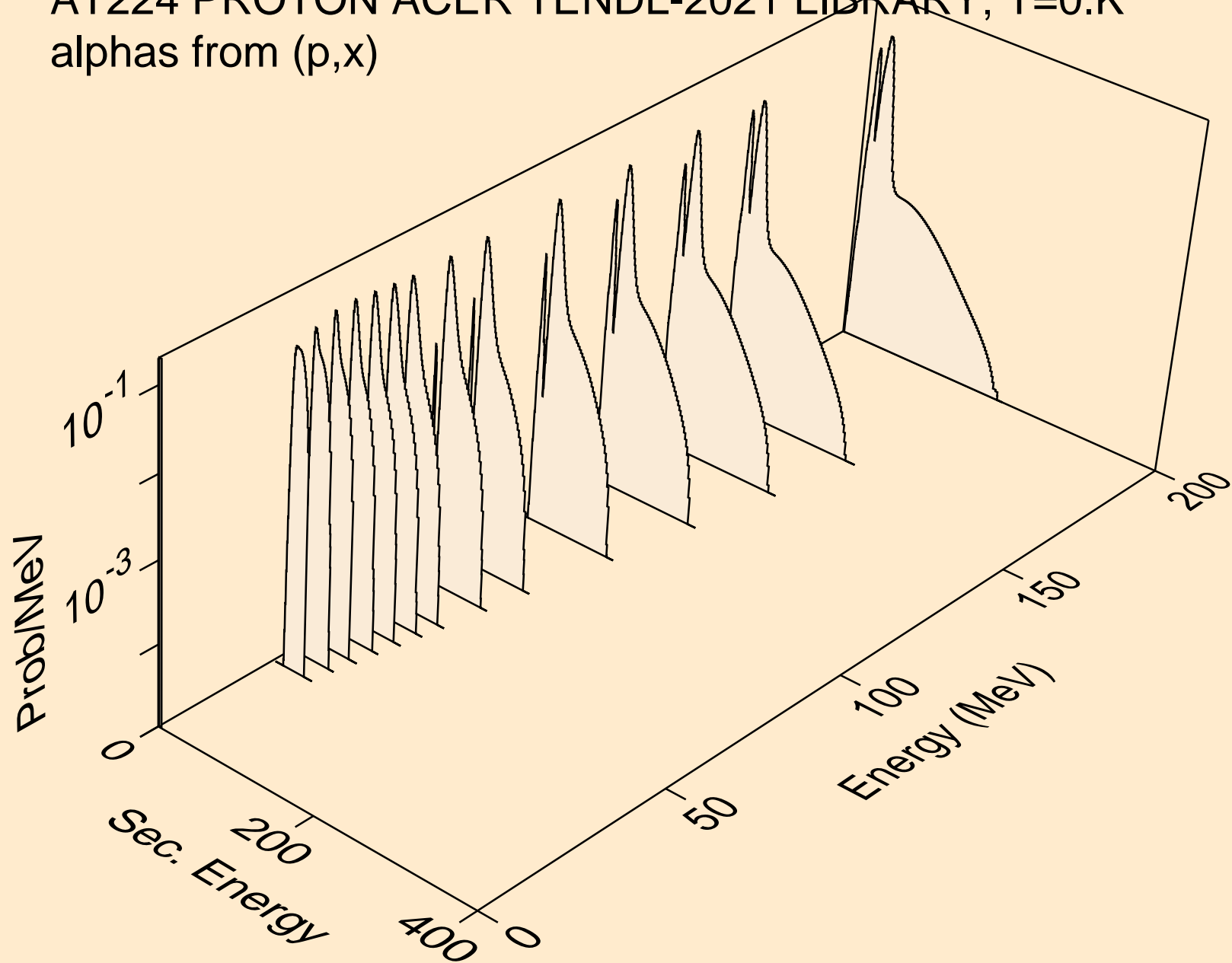


AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,he3)

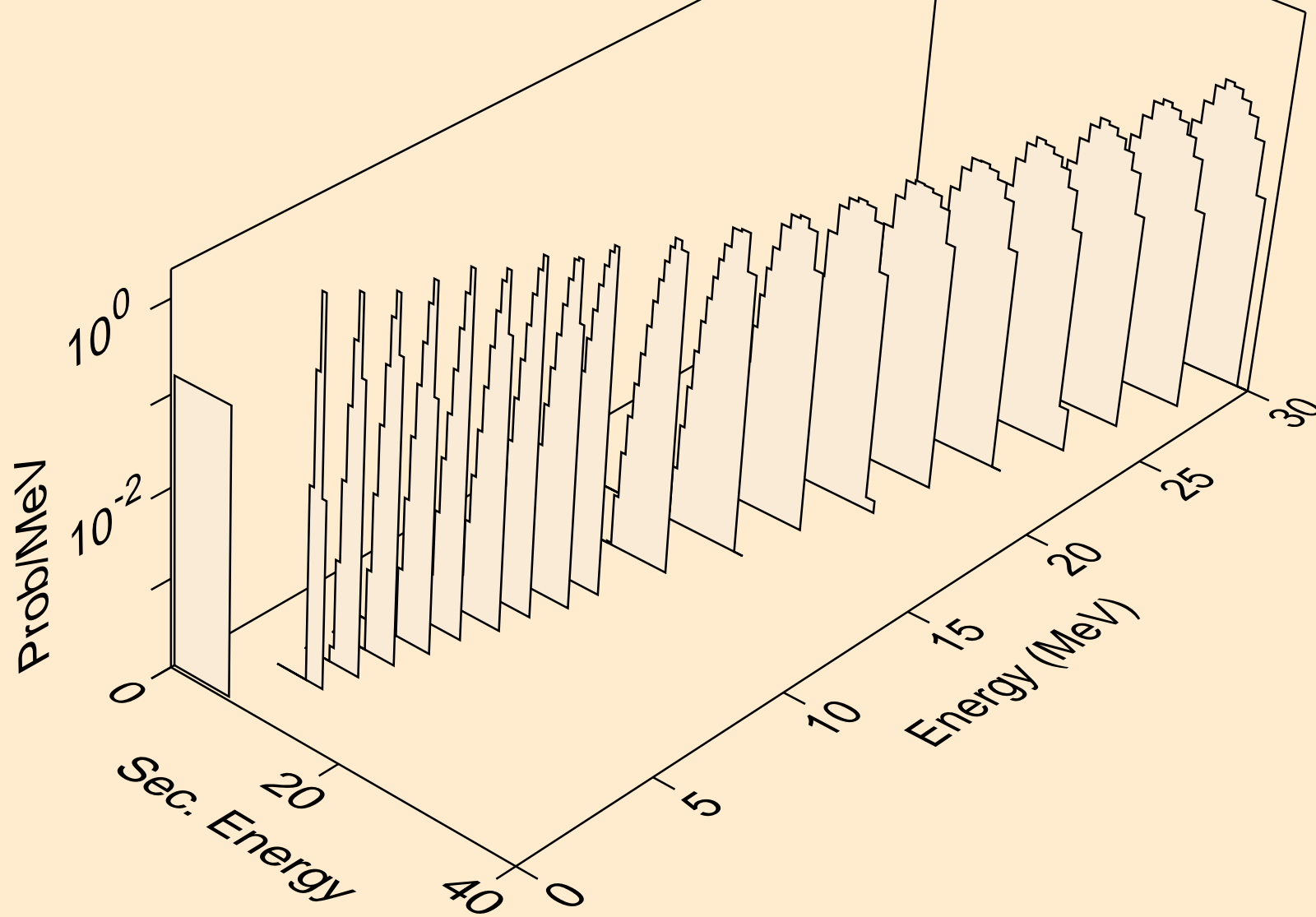




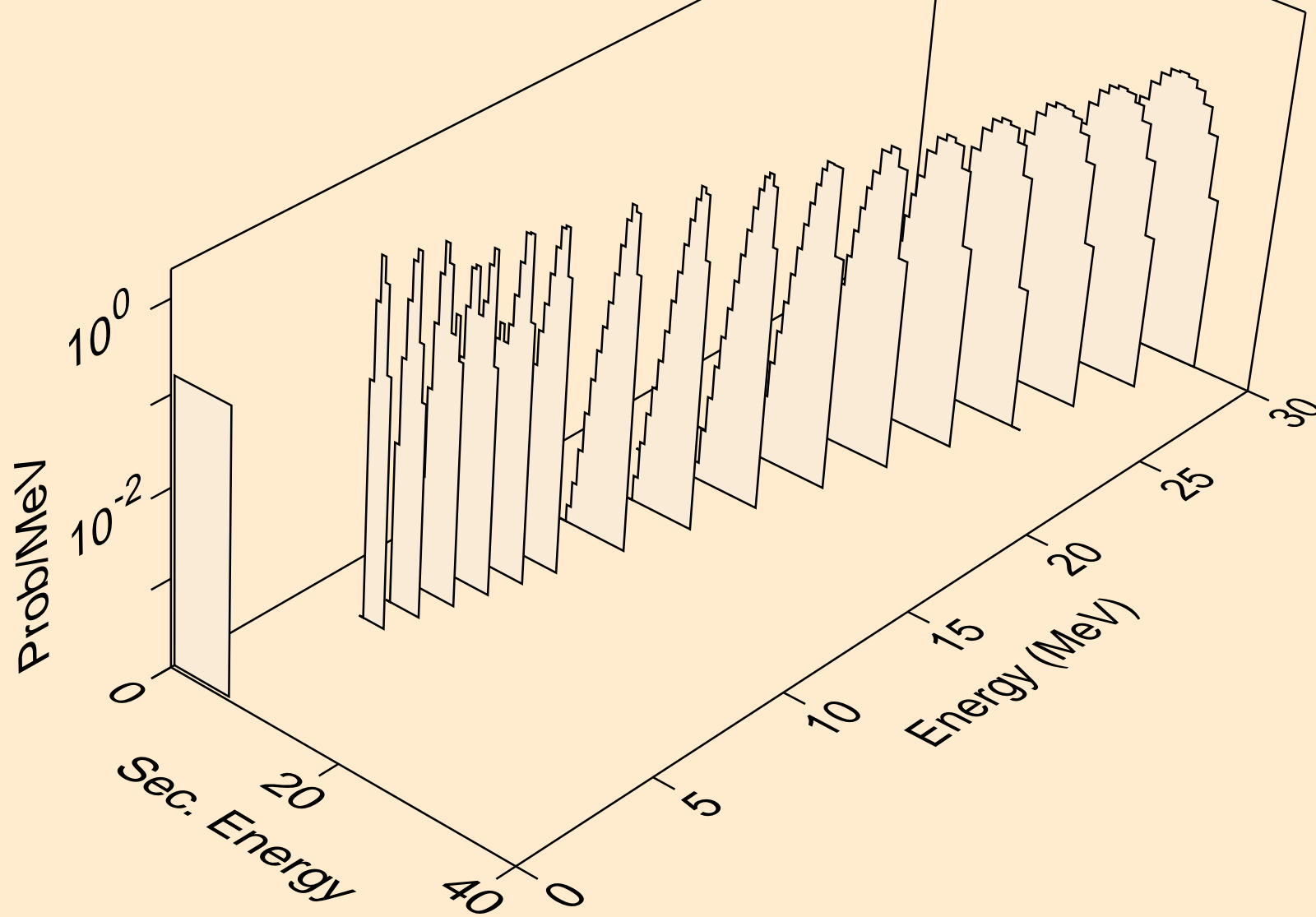
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,x)



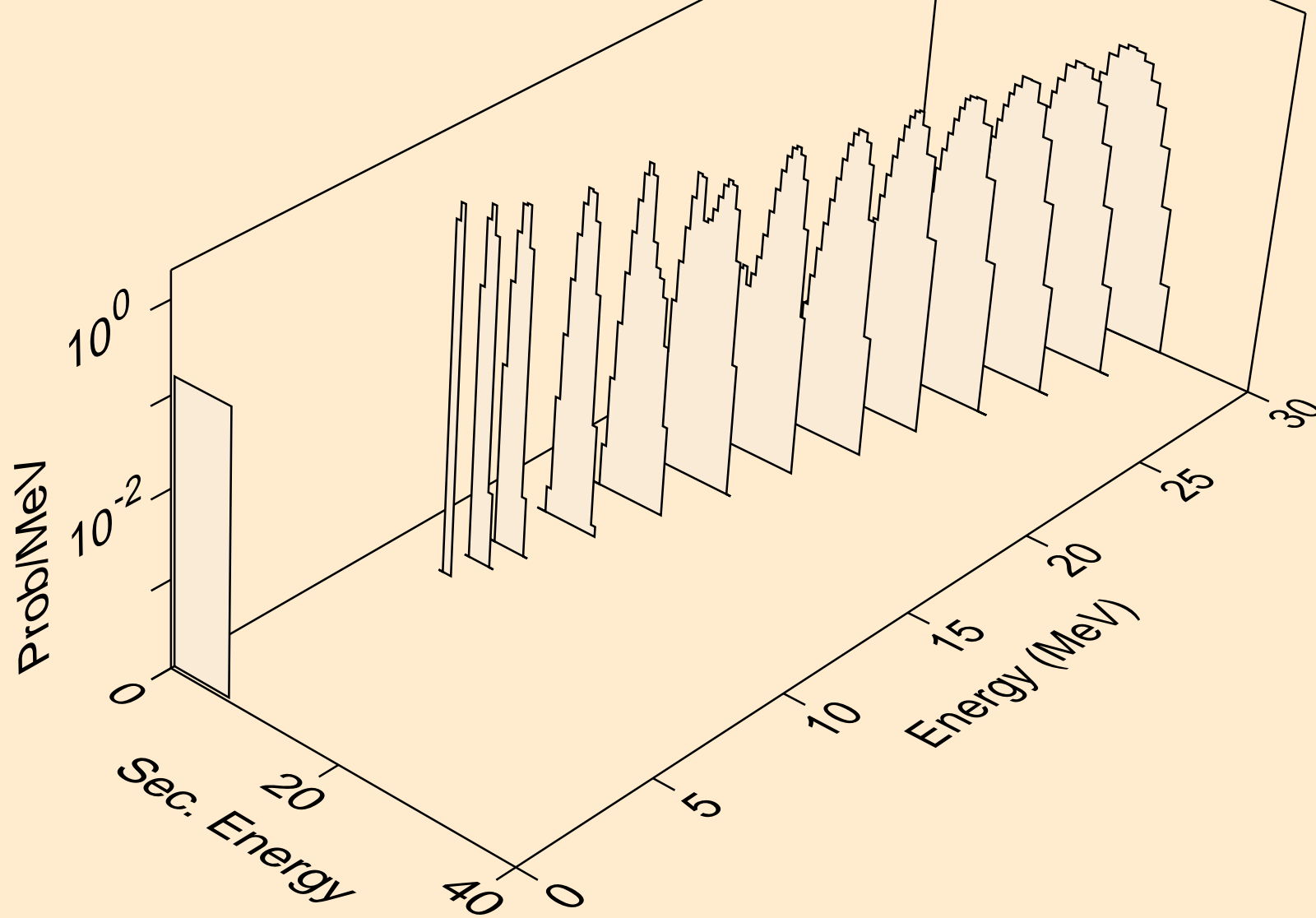
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)a



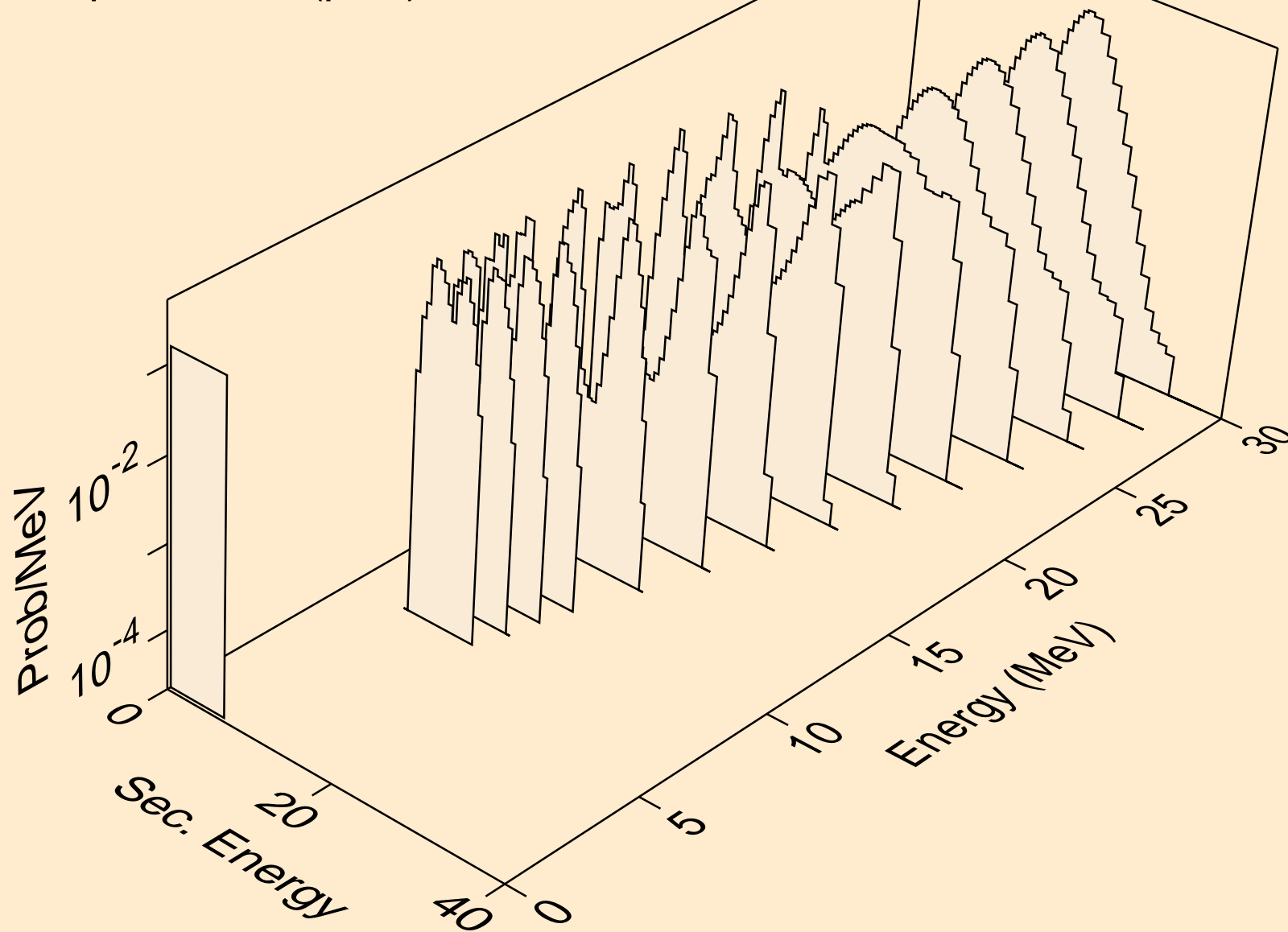
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alphas from (p,2n)a



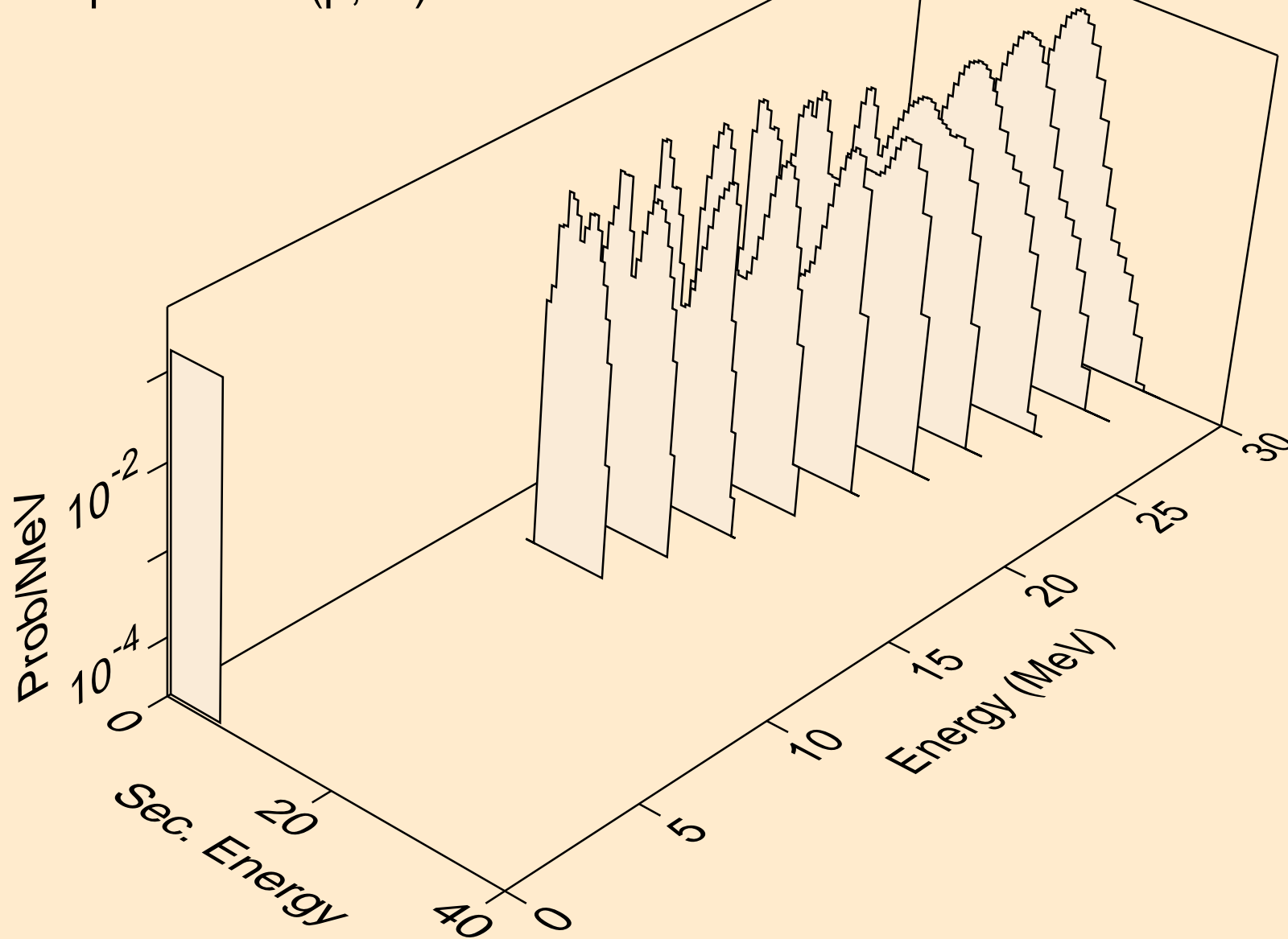
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,3n)a



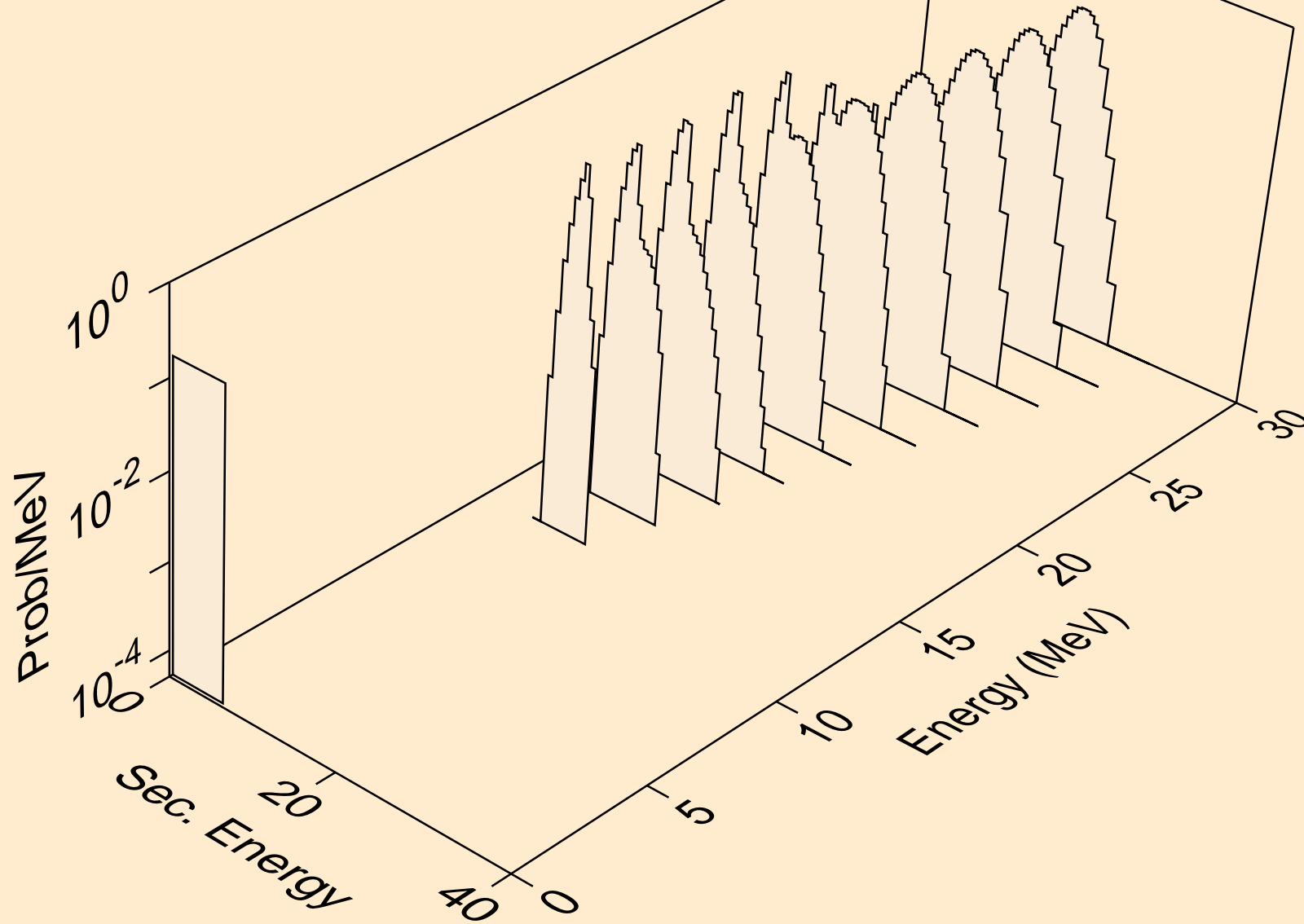
AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)2a



AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2n)2a



AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,npa)



AT224 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,a)

