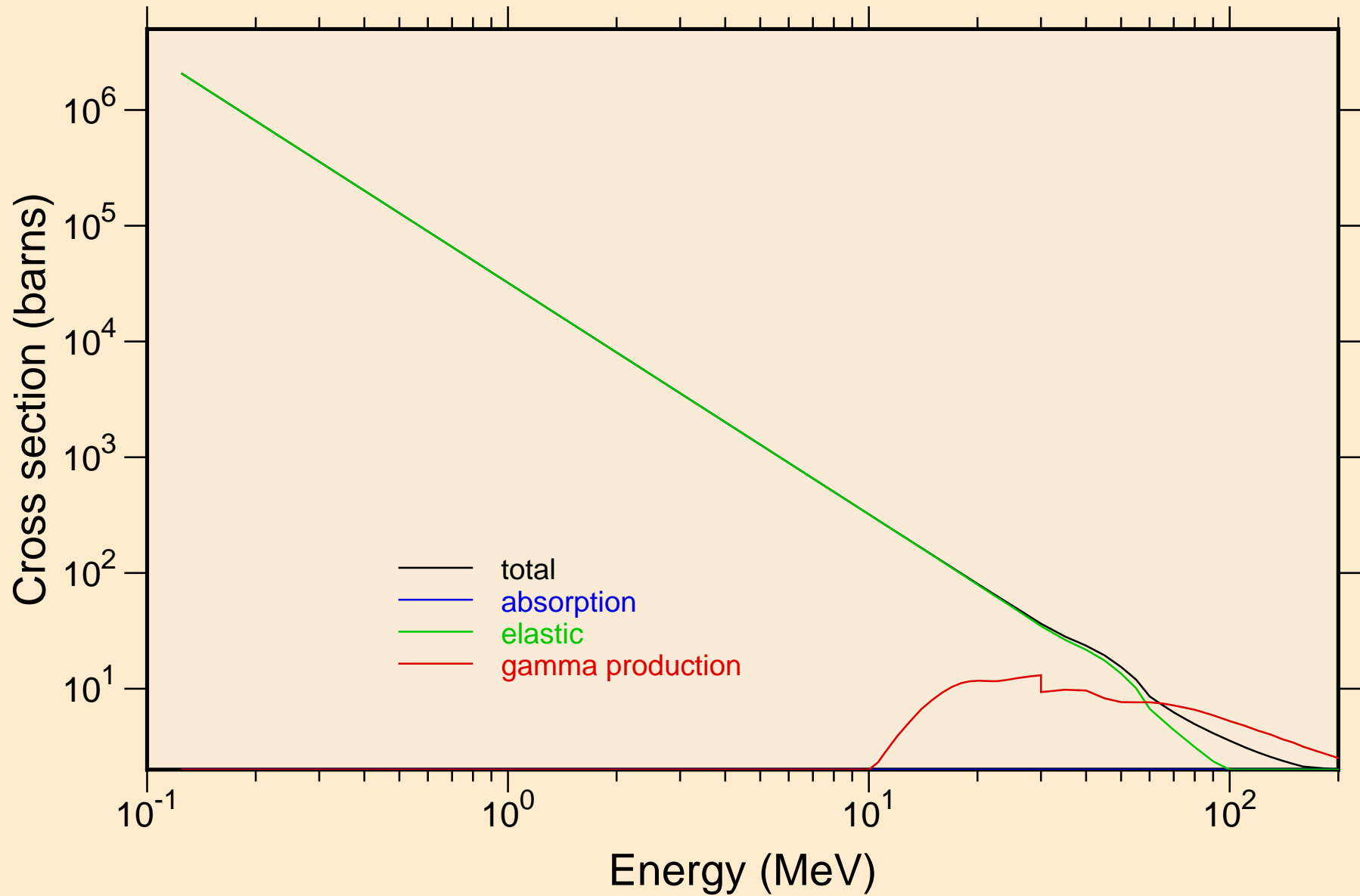


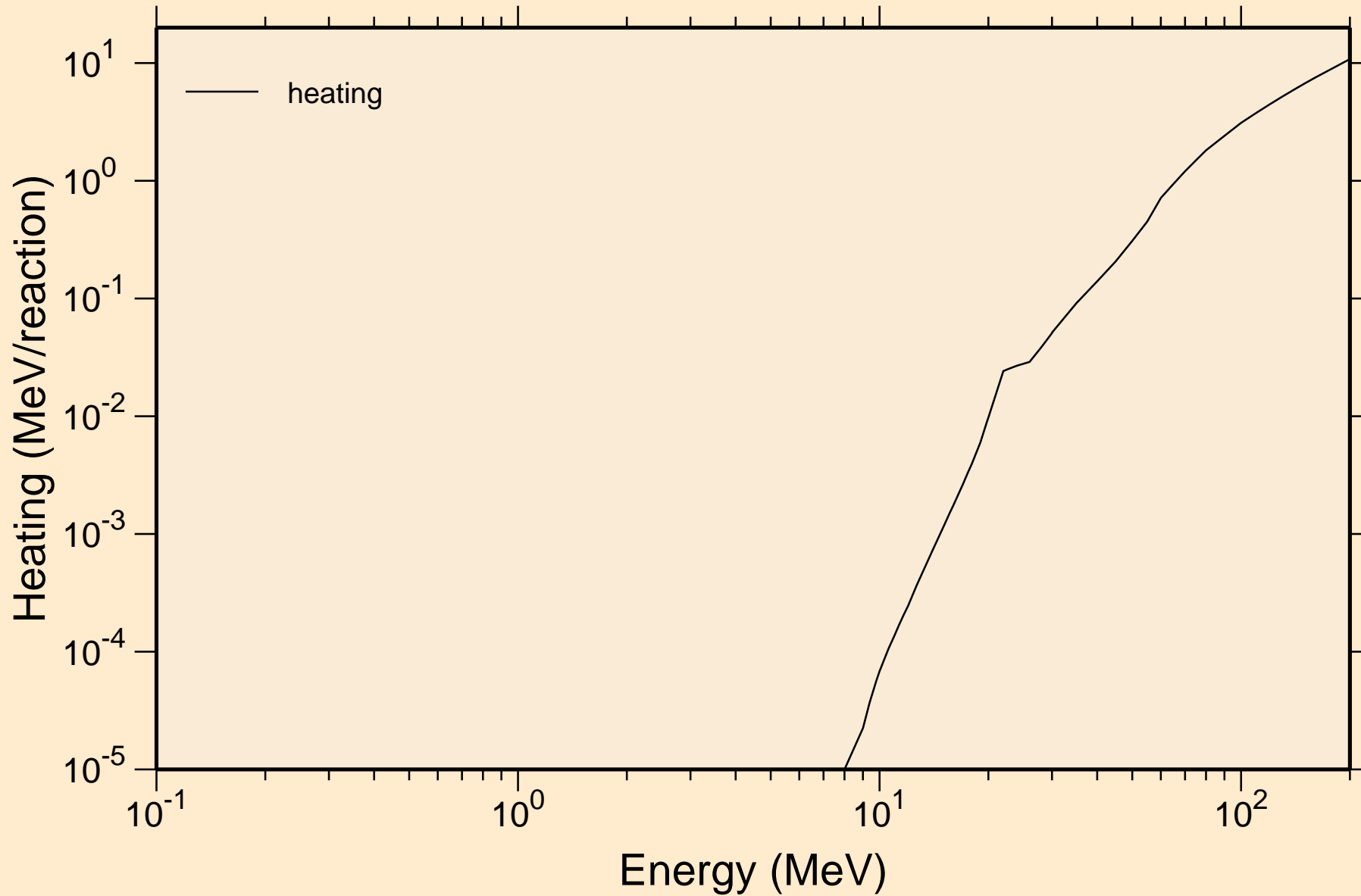
# HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



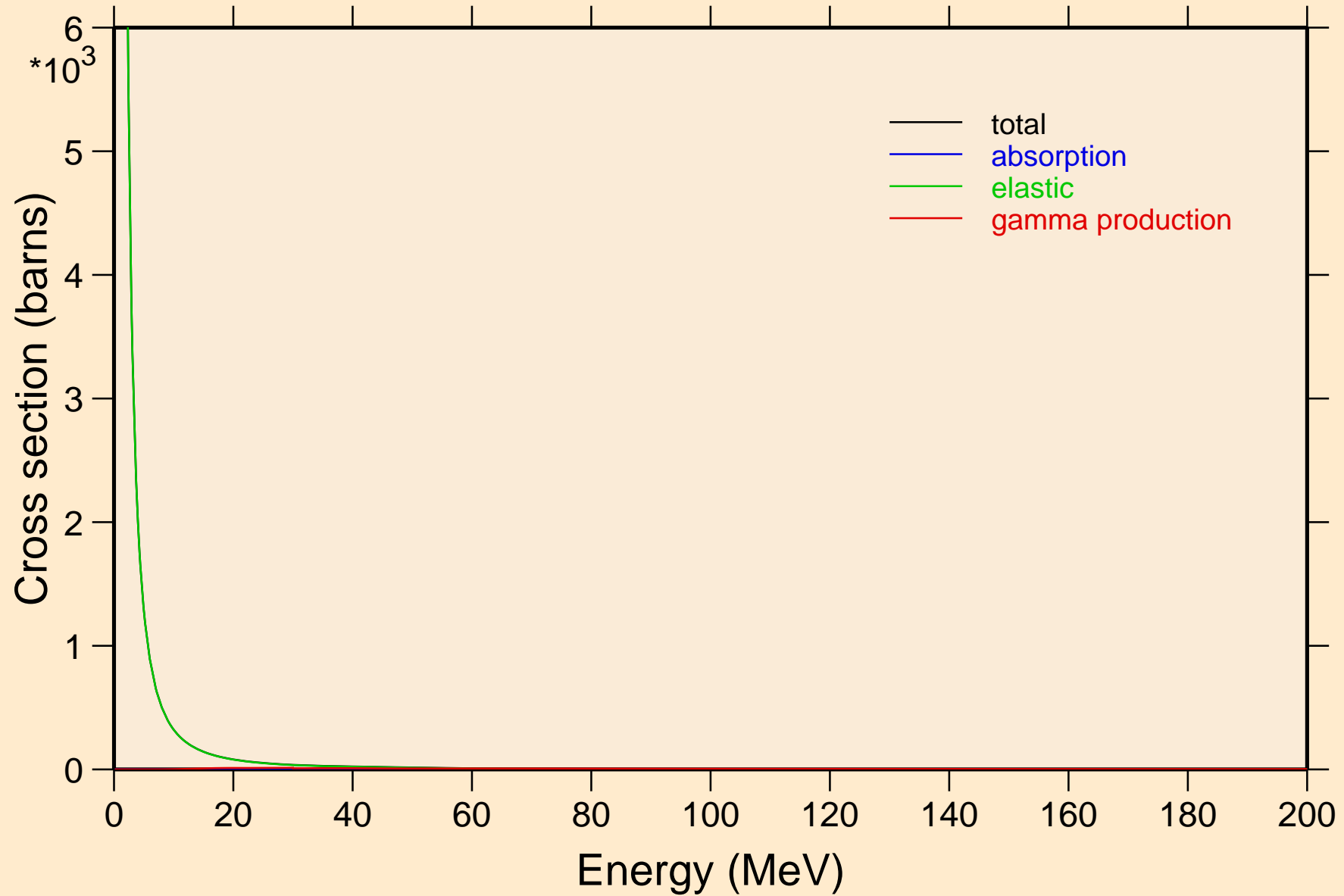
# HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Heating



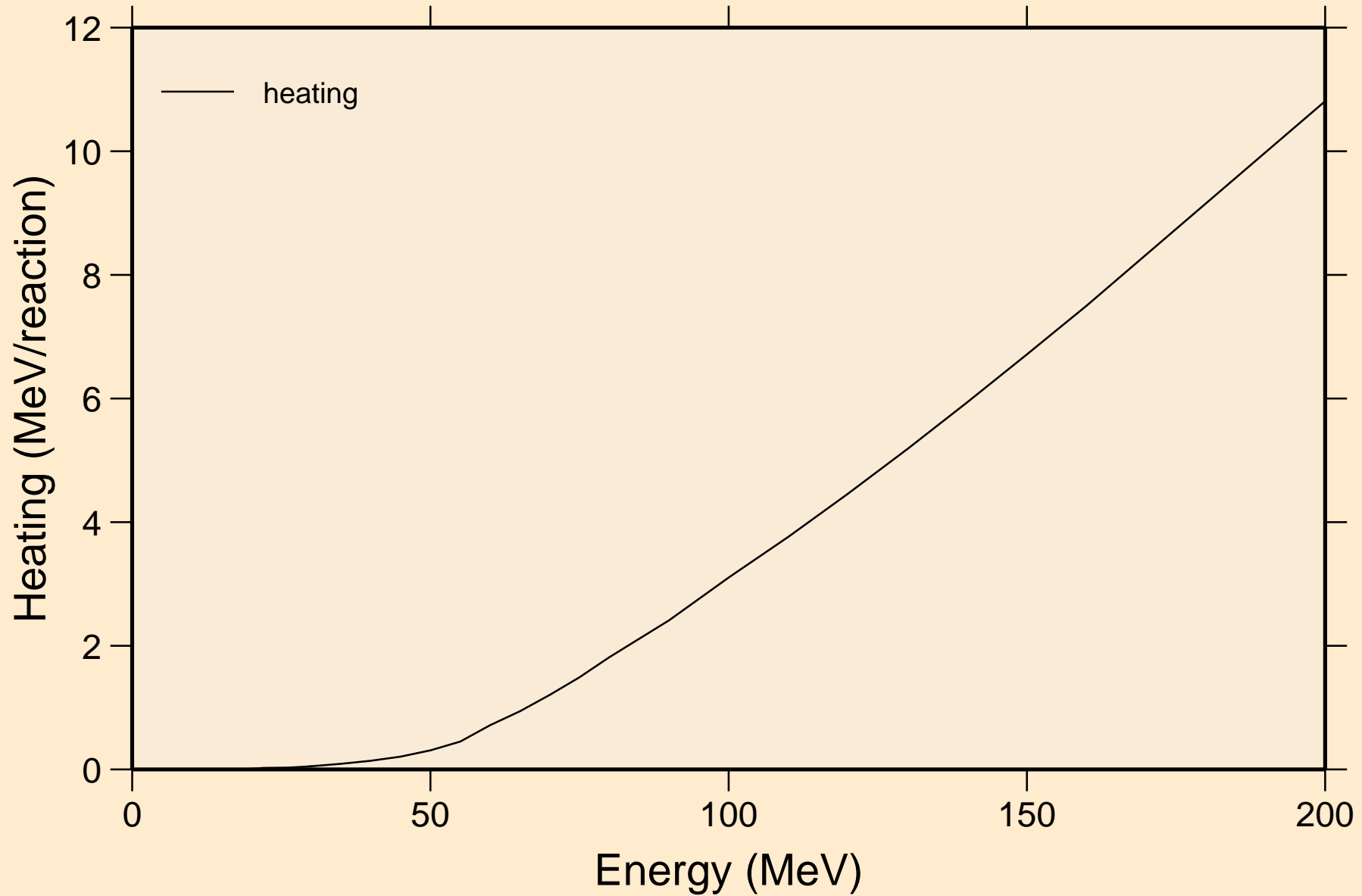
# HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



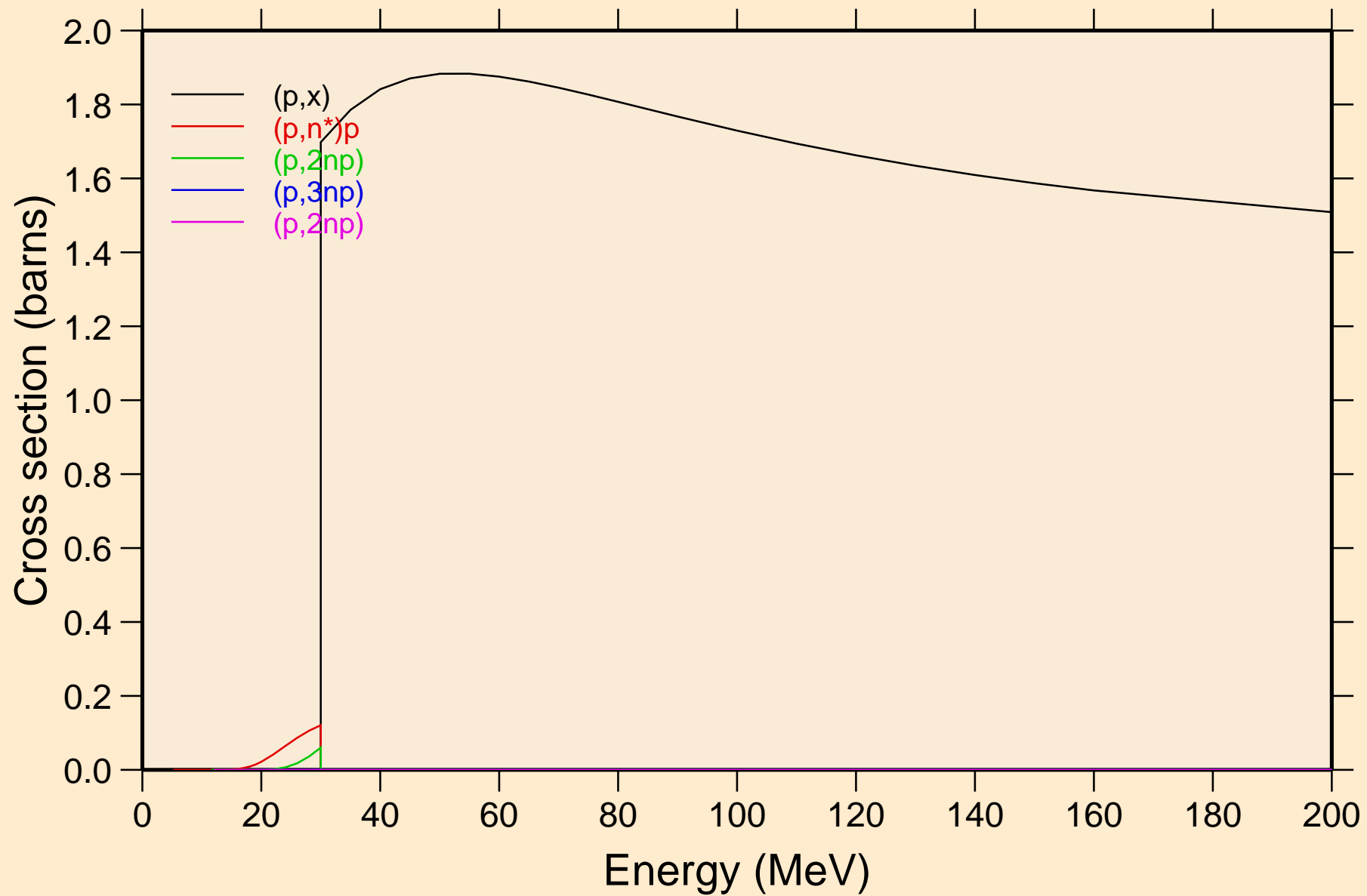
# HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Heating

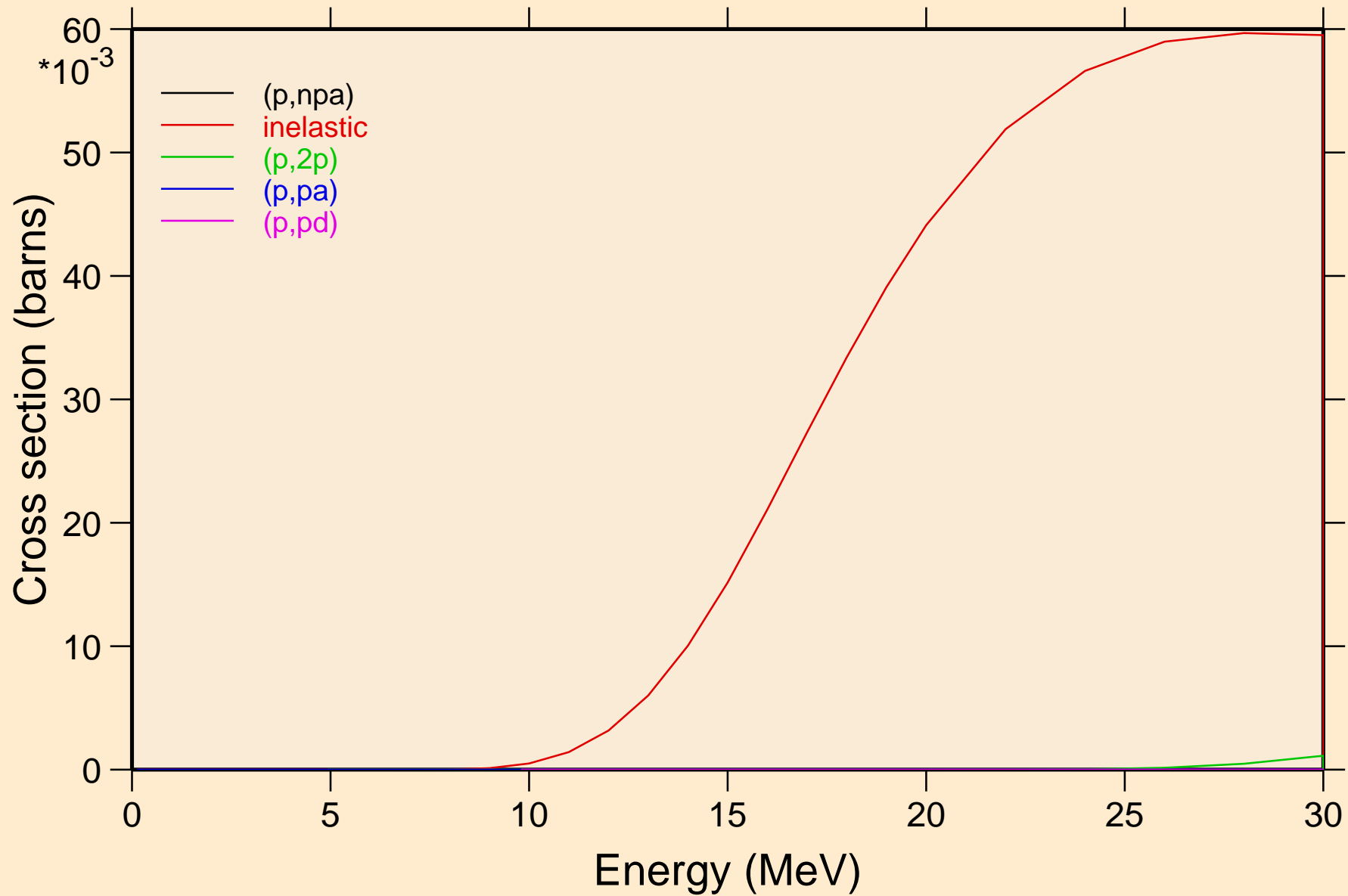


# HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K

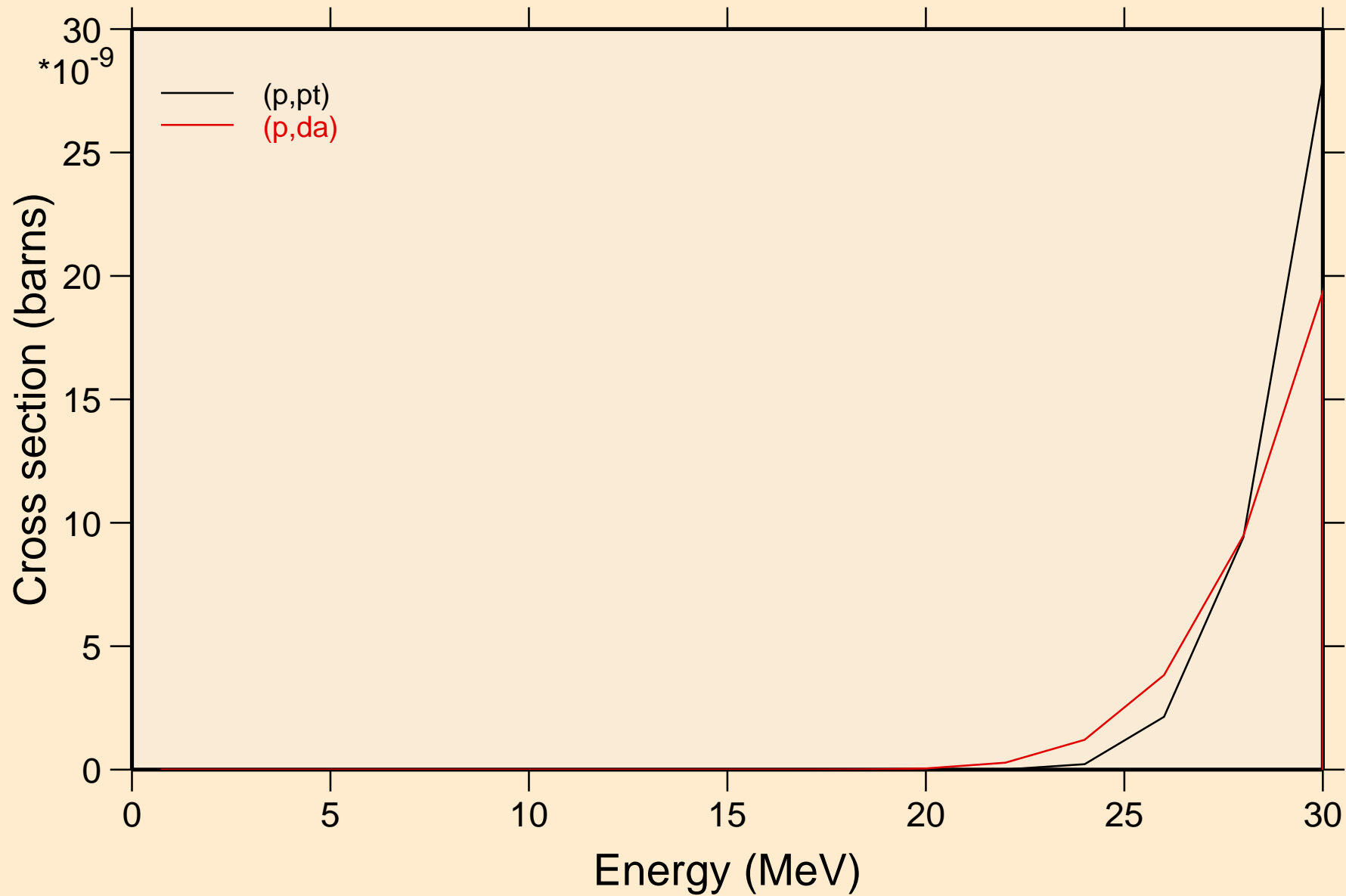
## Threshold reactions



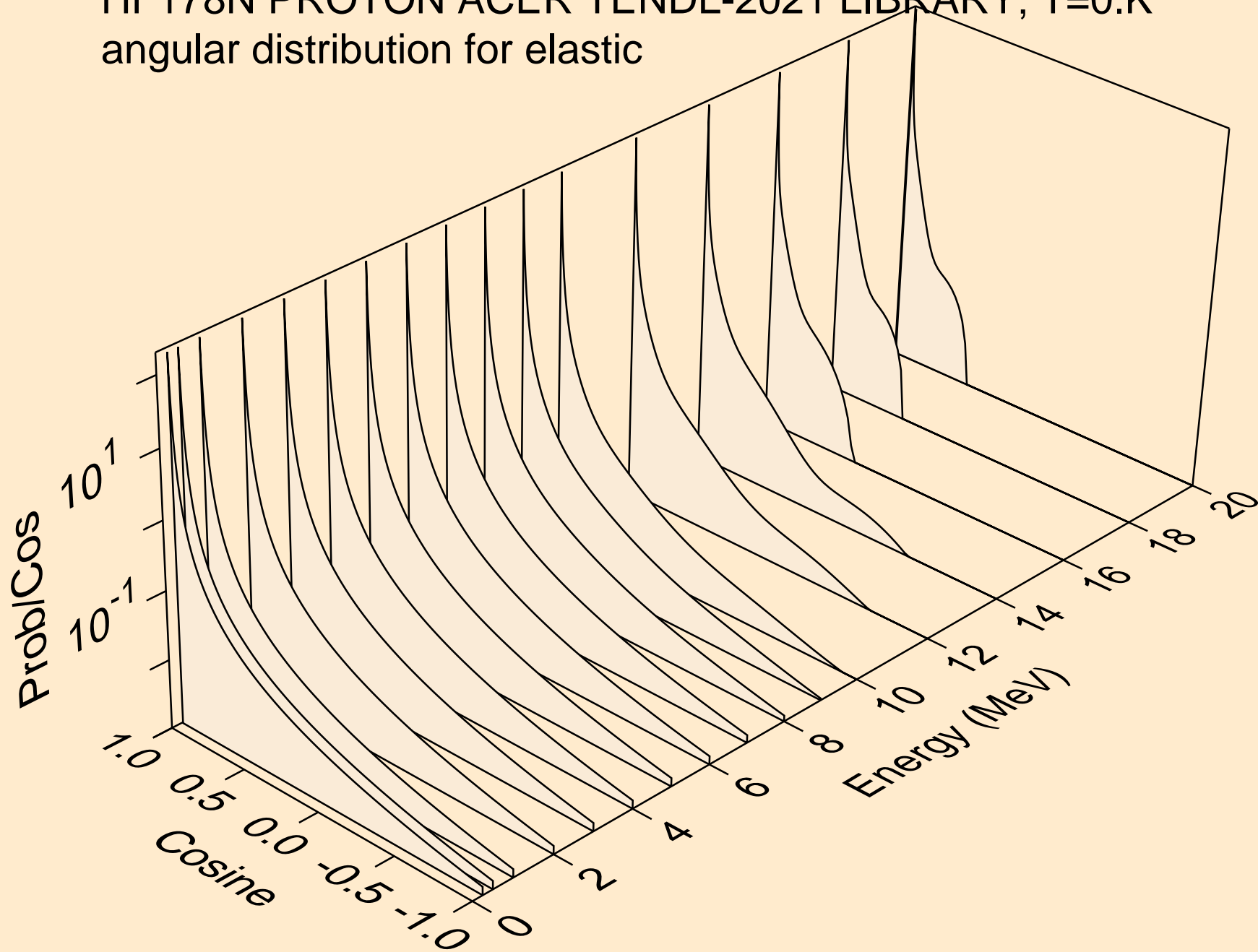
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

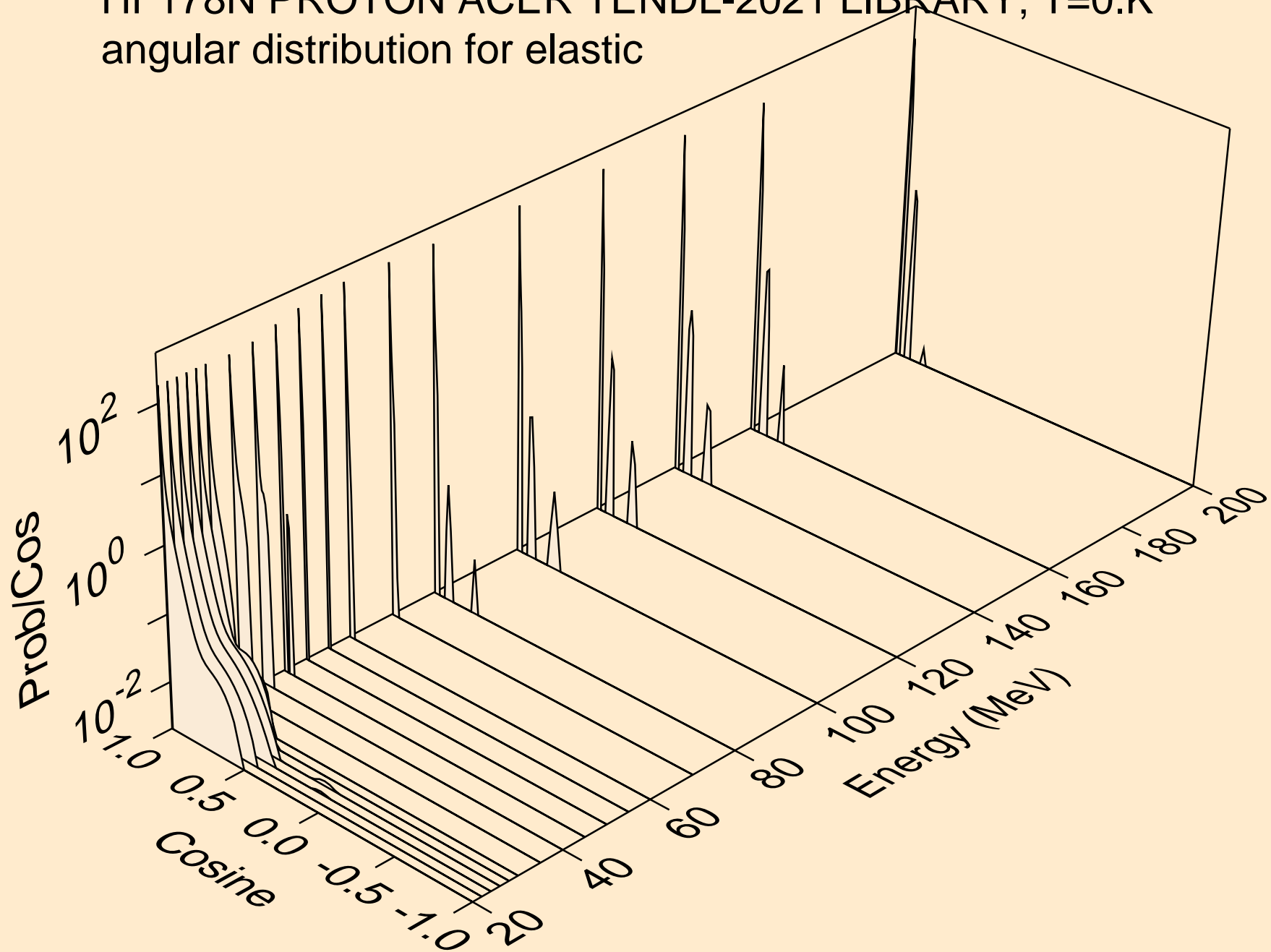


HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic

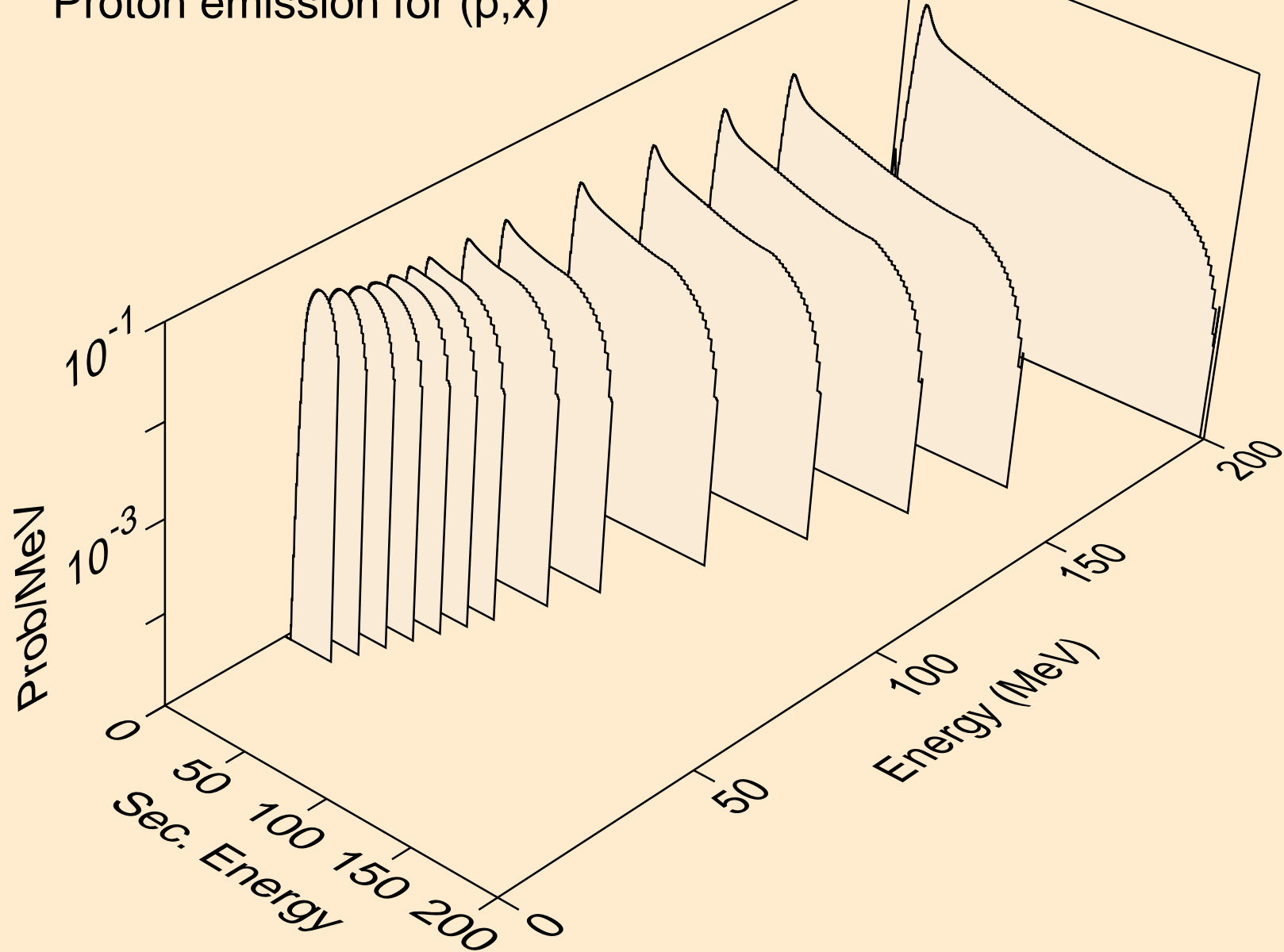




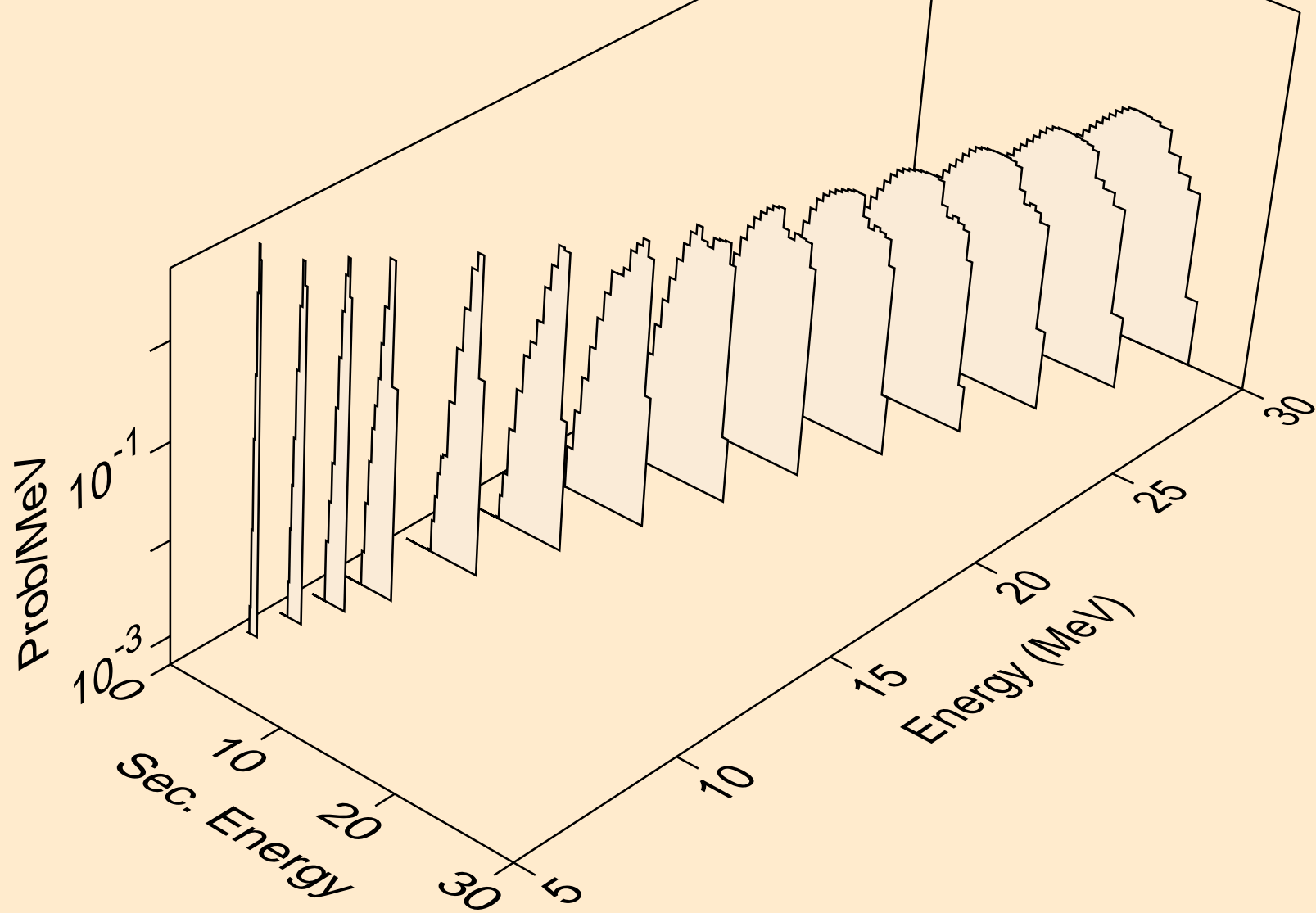
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



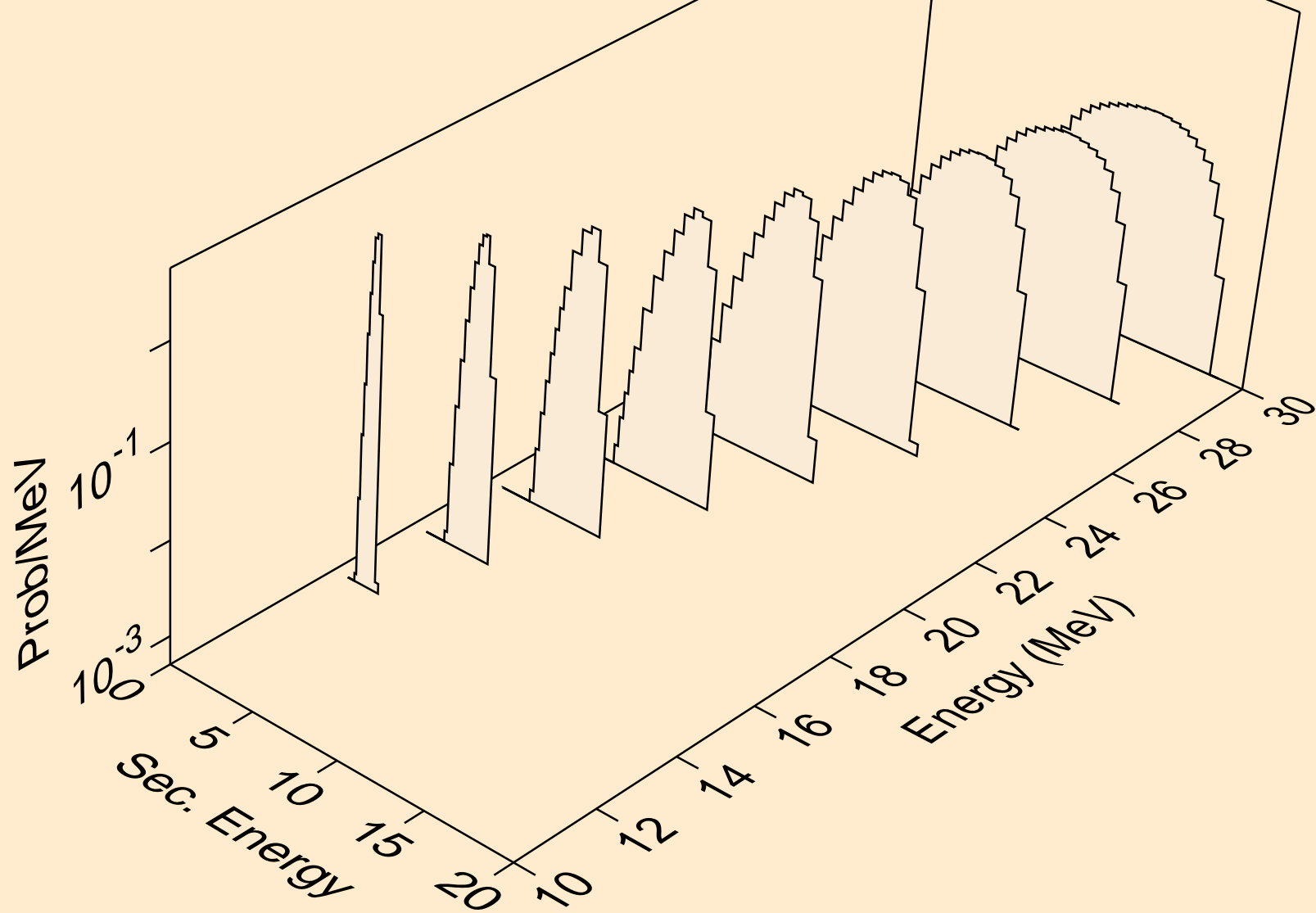
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,x)



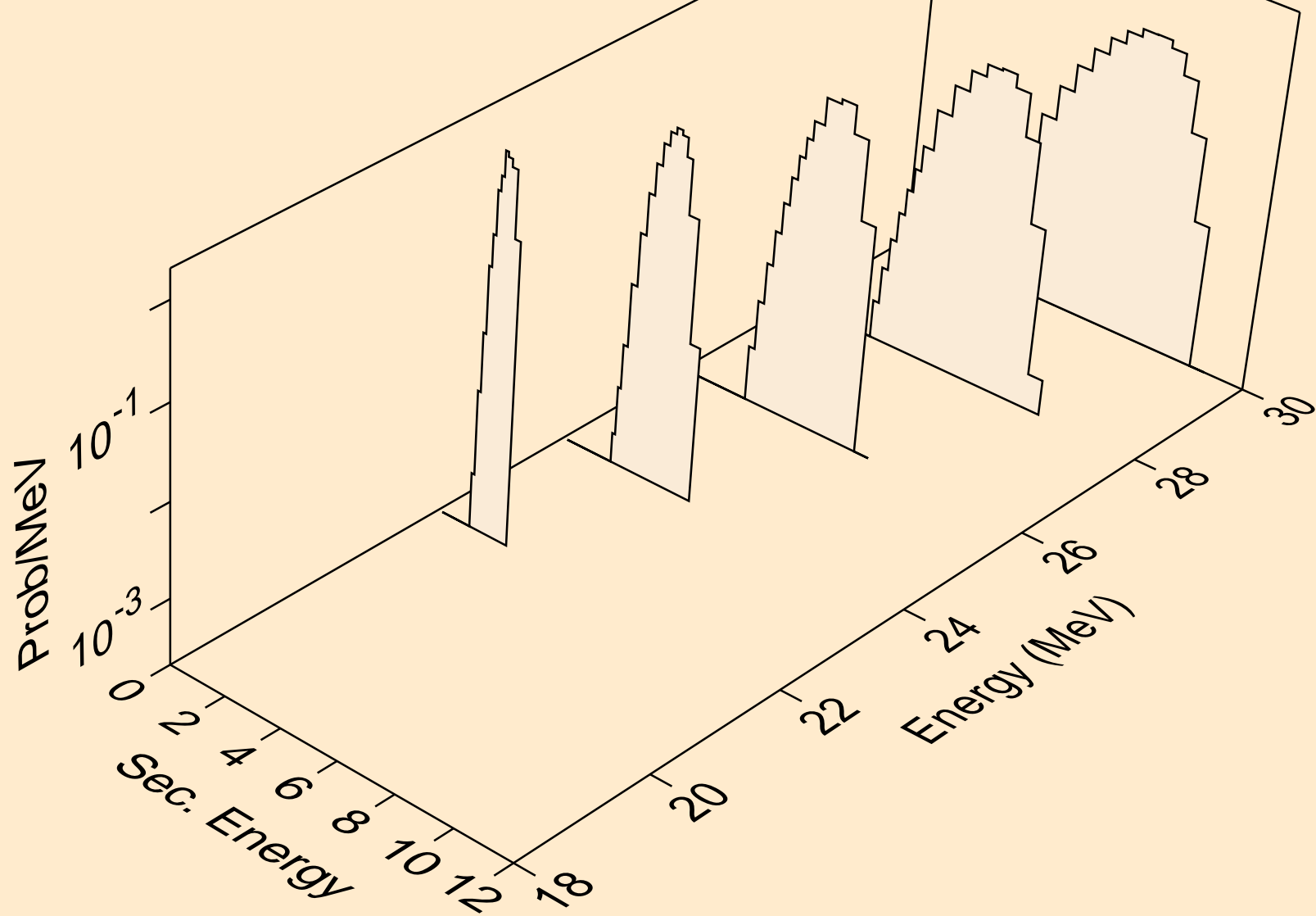
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



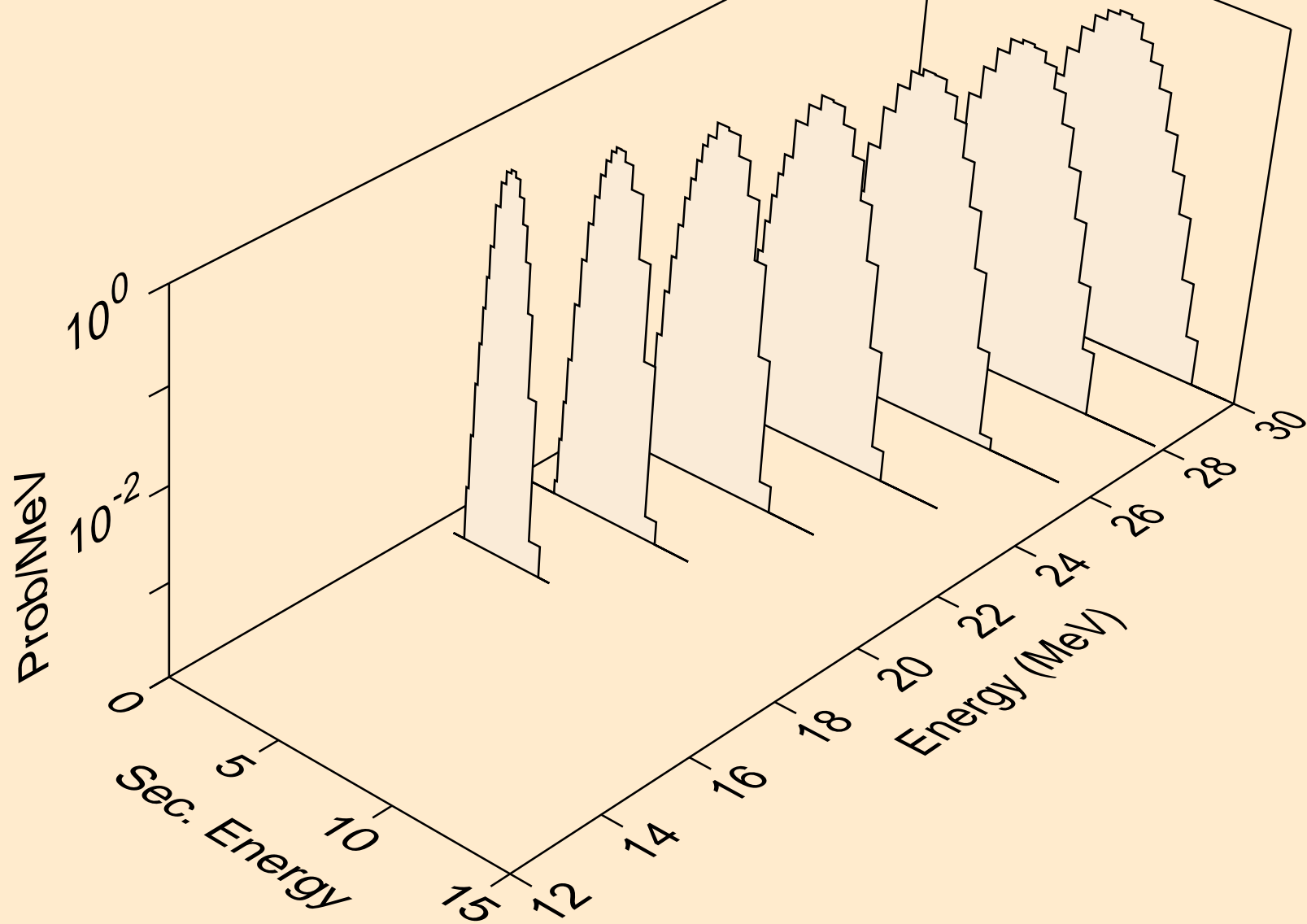
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)



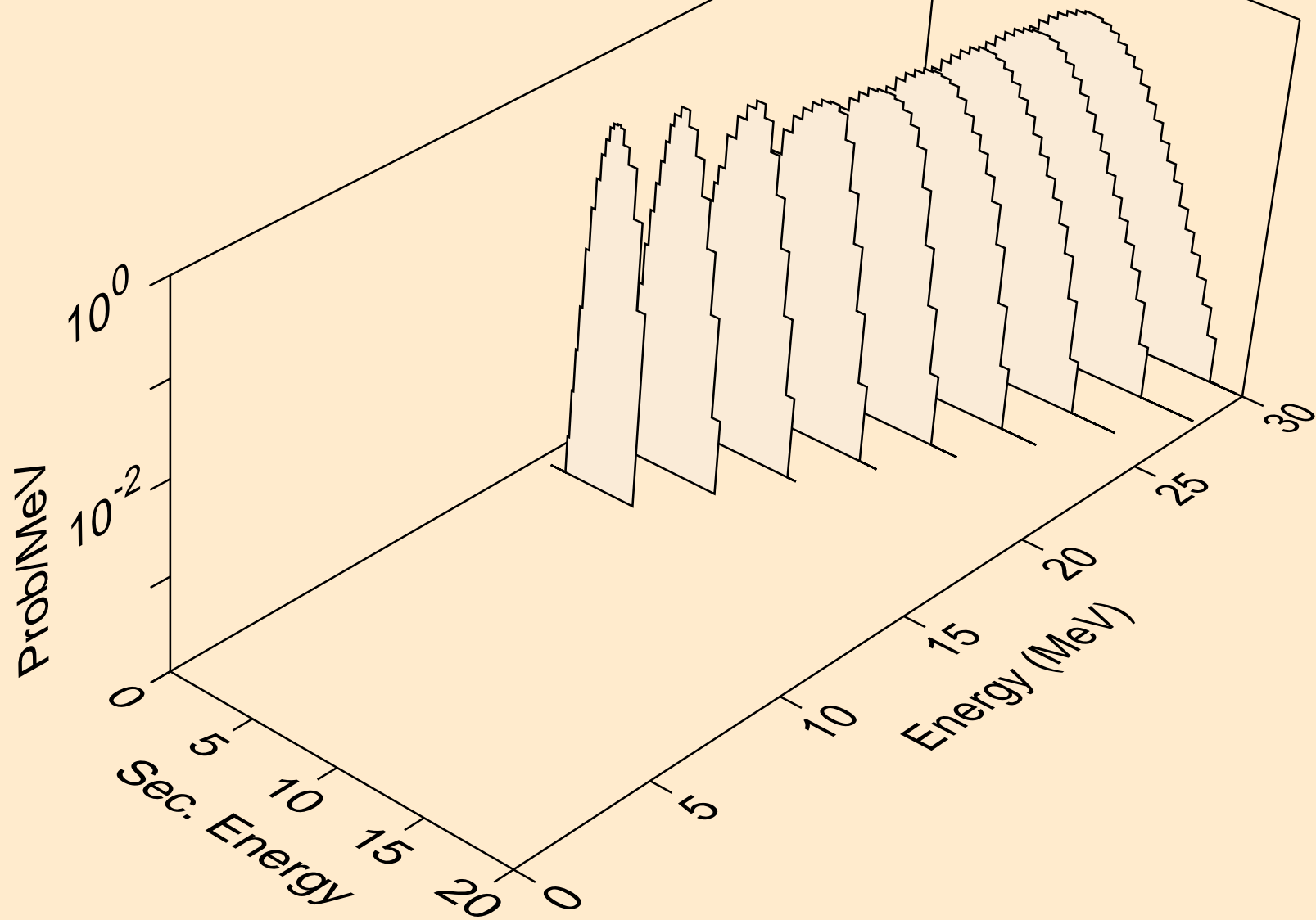
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,3np)



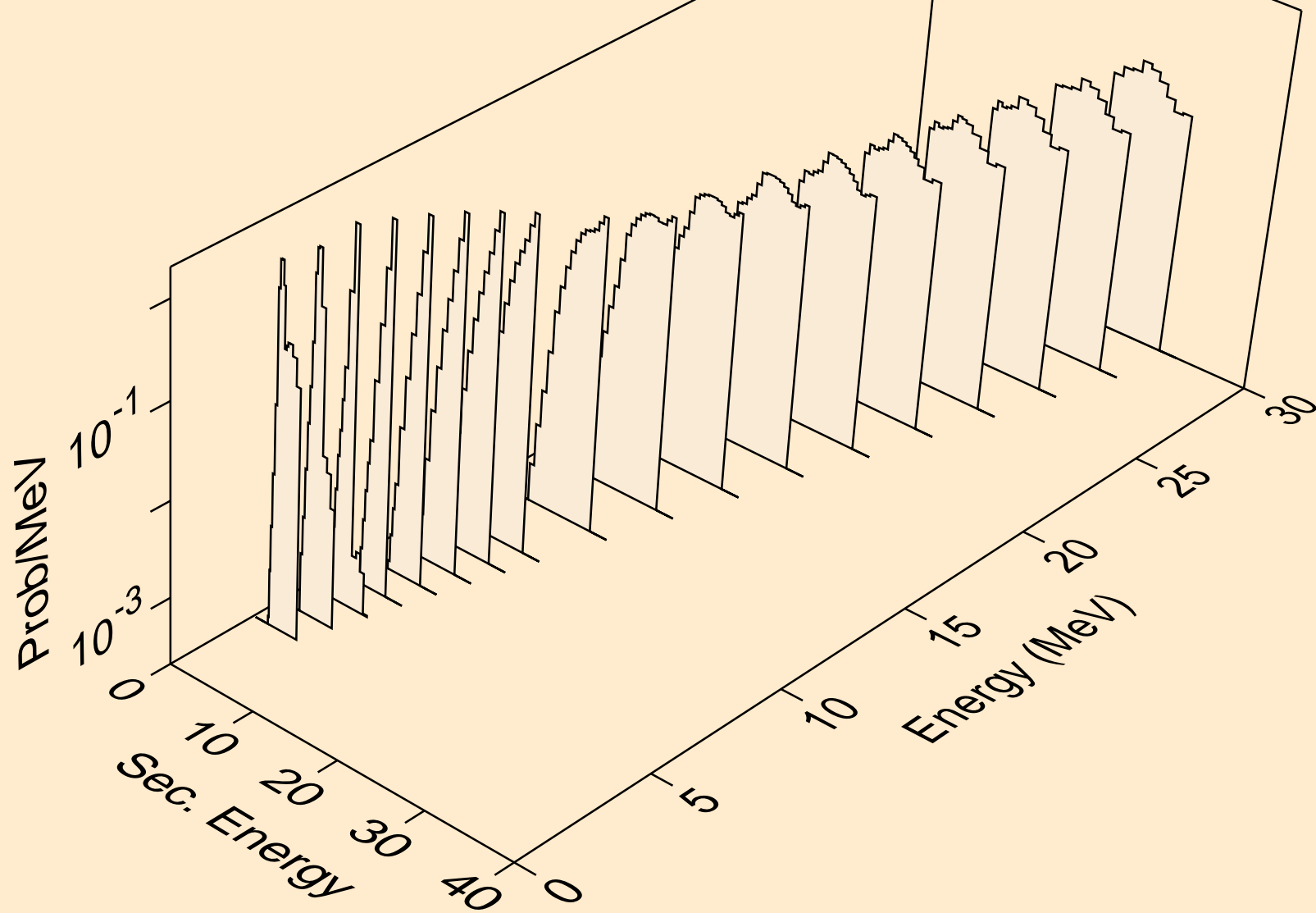
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)



HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,npa)

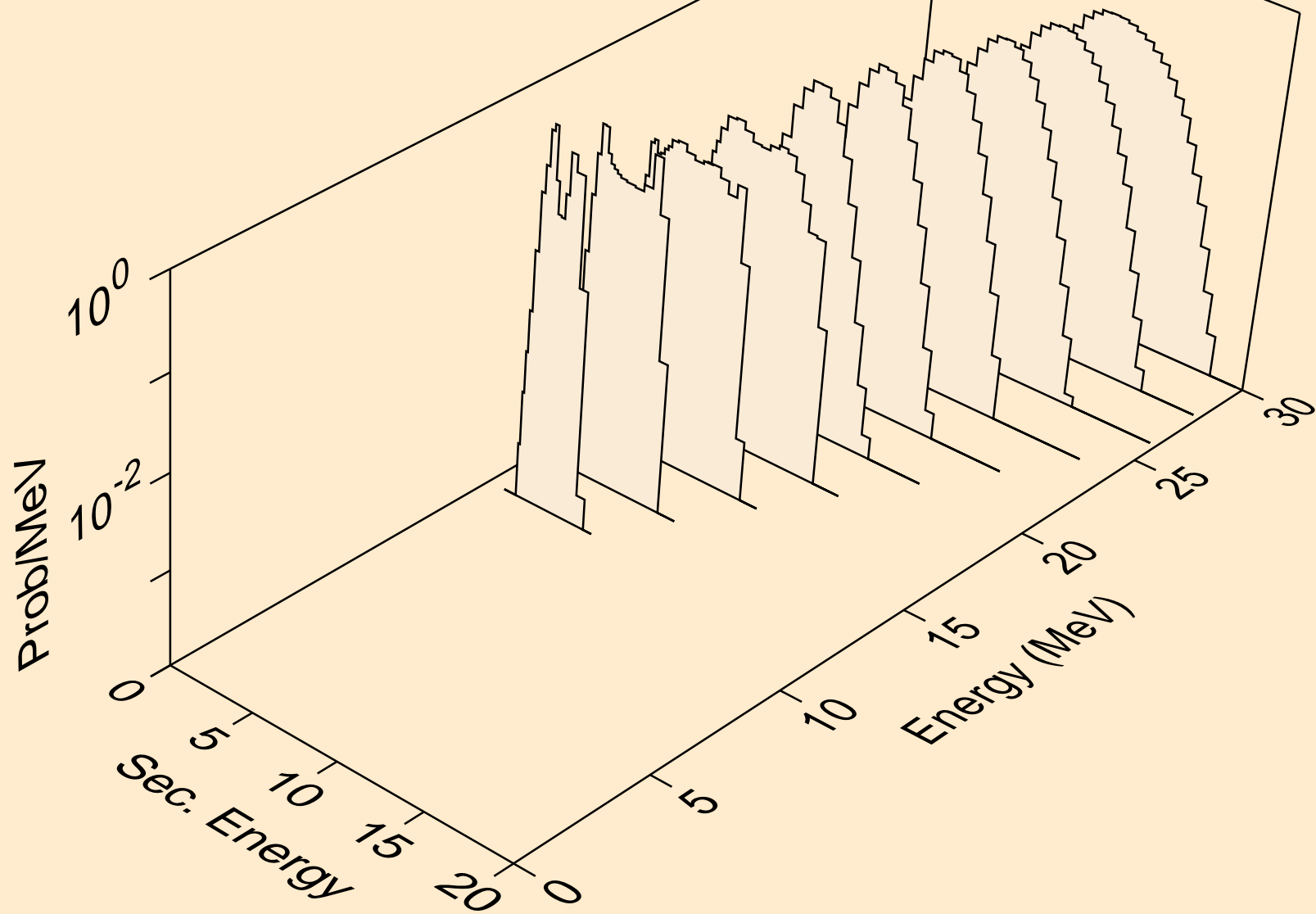


HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for inelastic

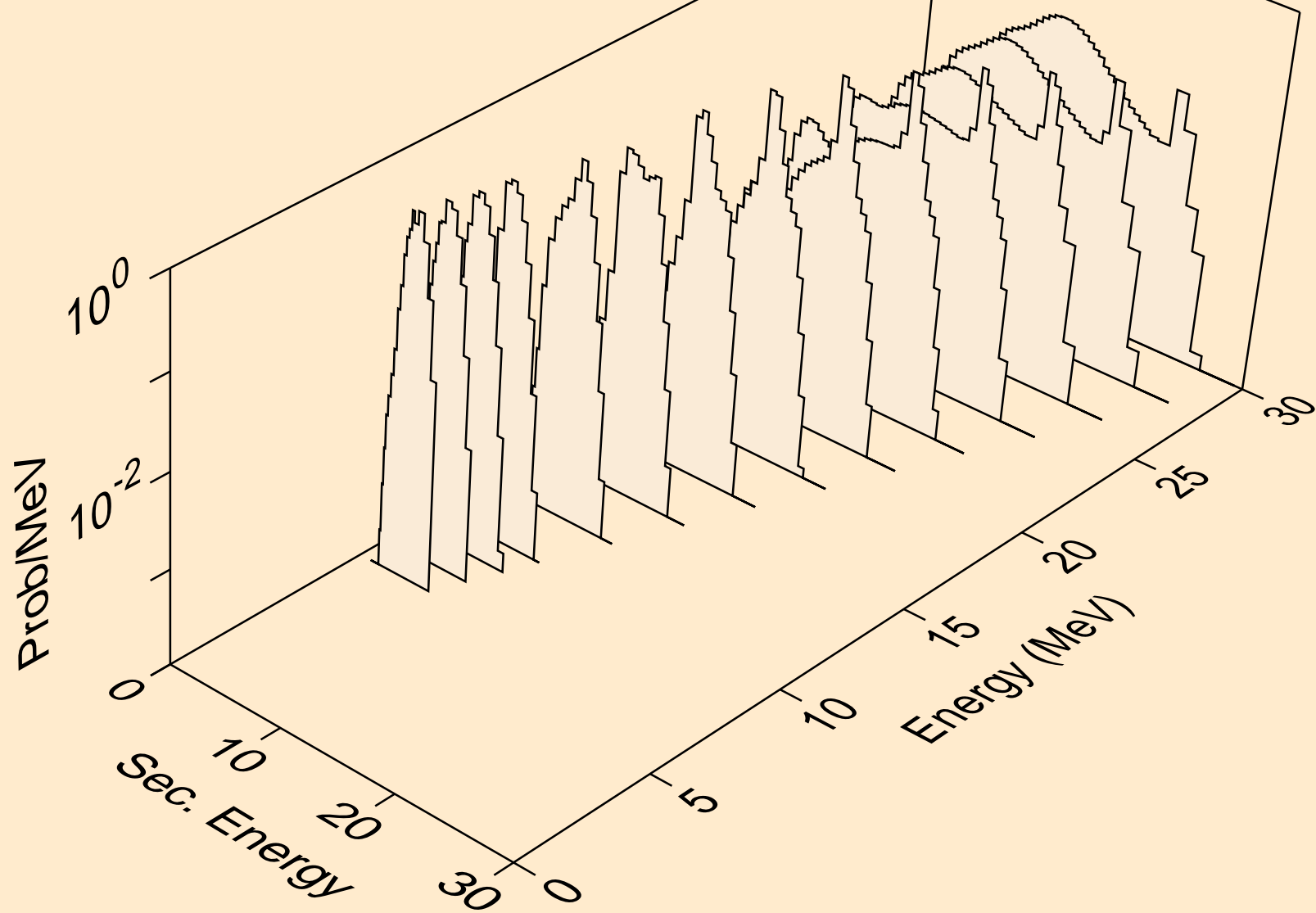




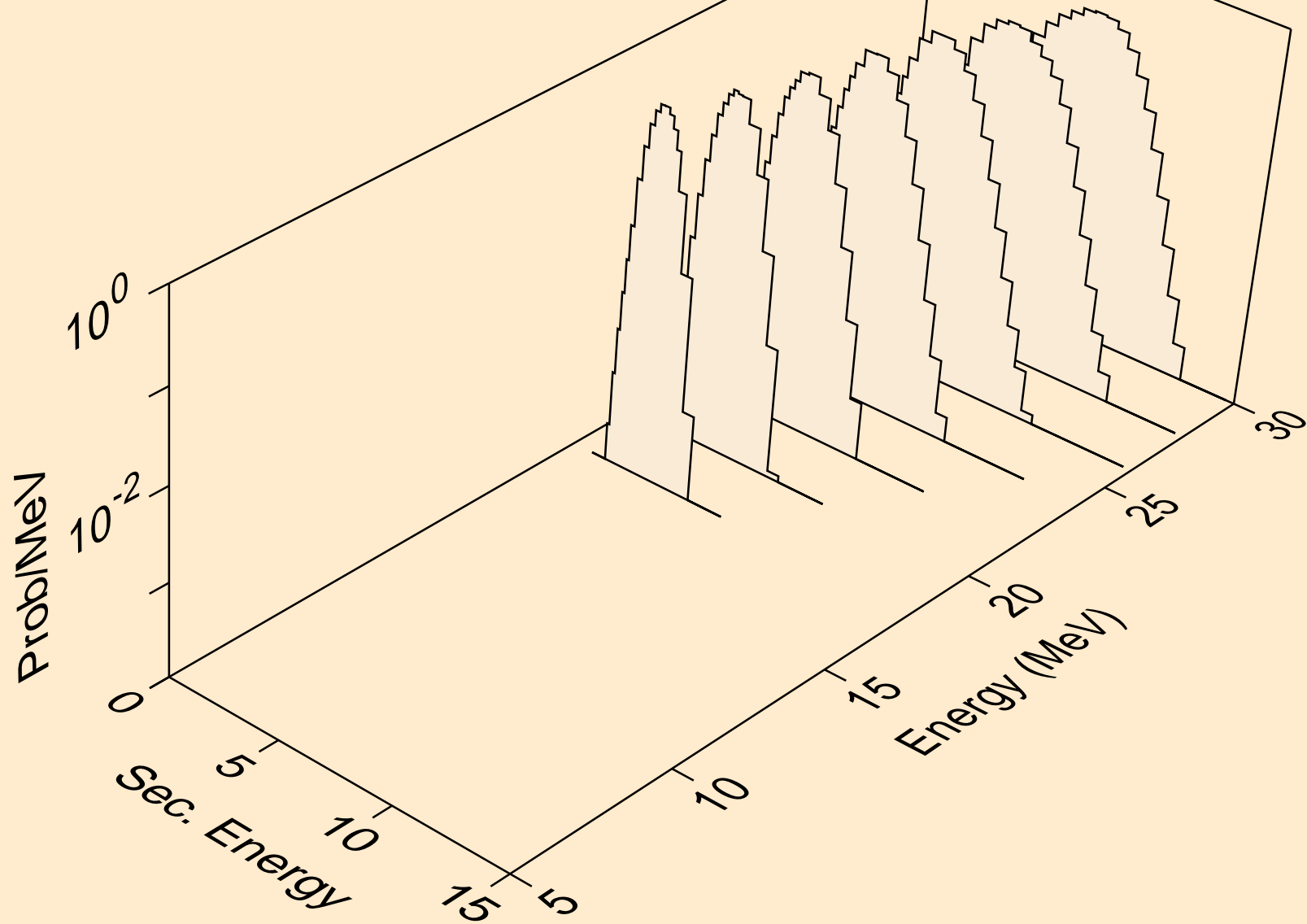
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2p)



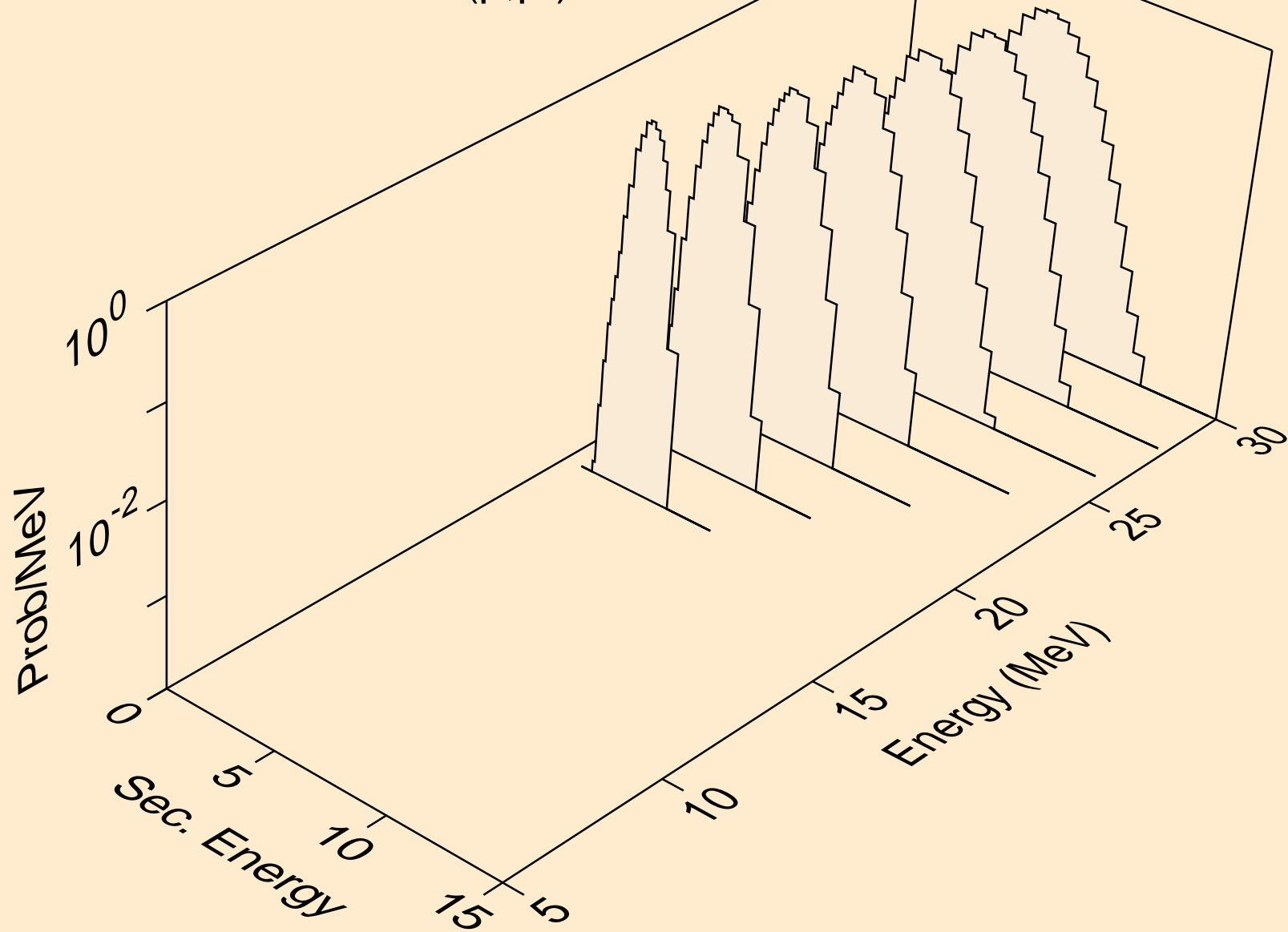
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pa)



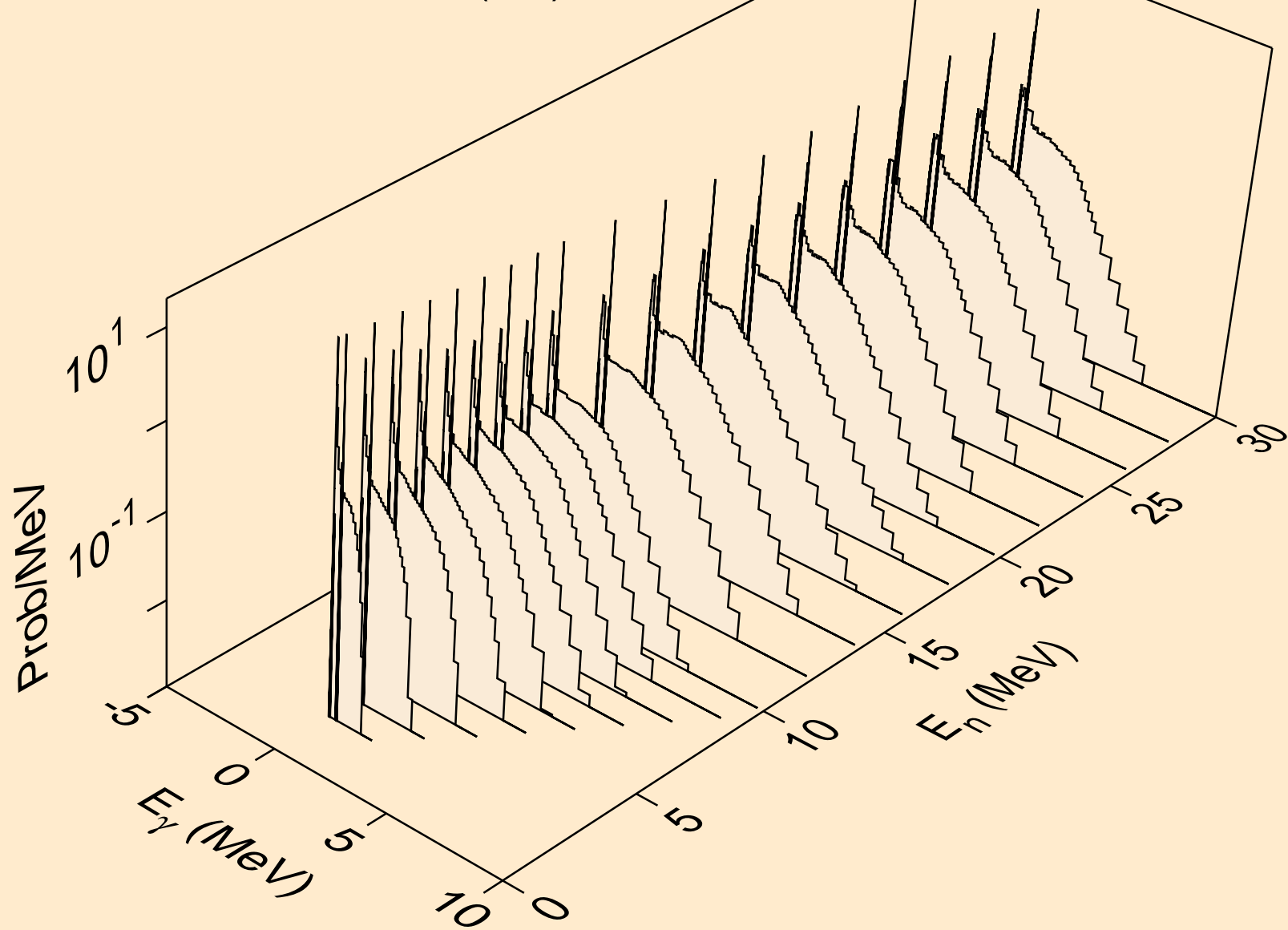
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pd)



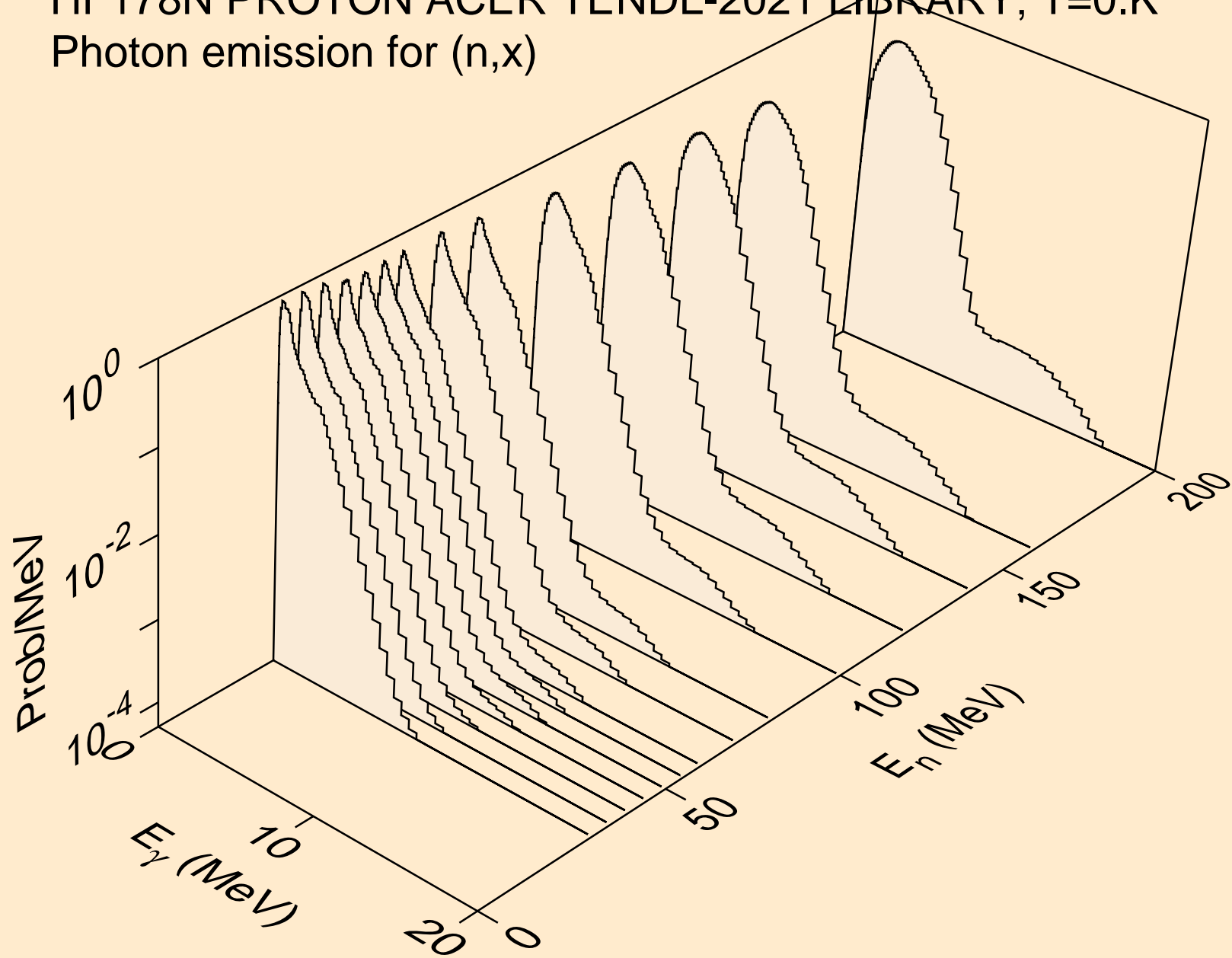
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pt)



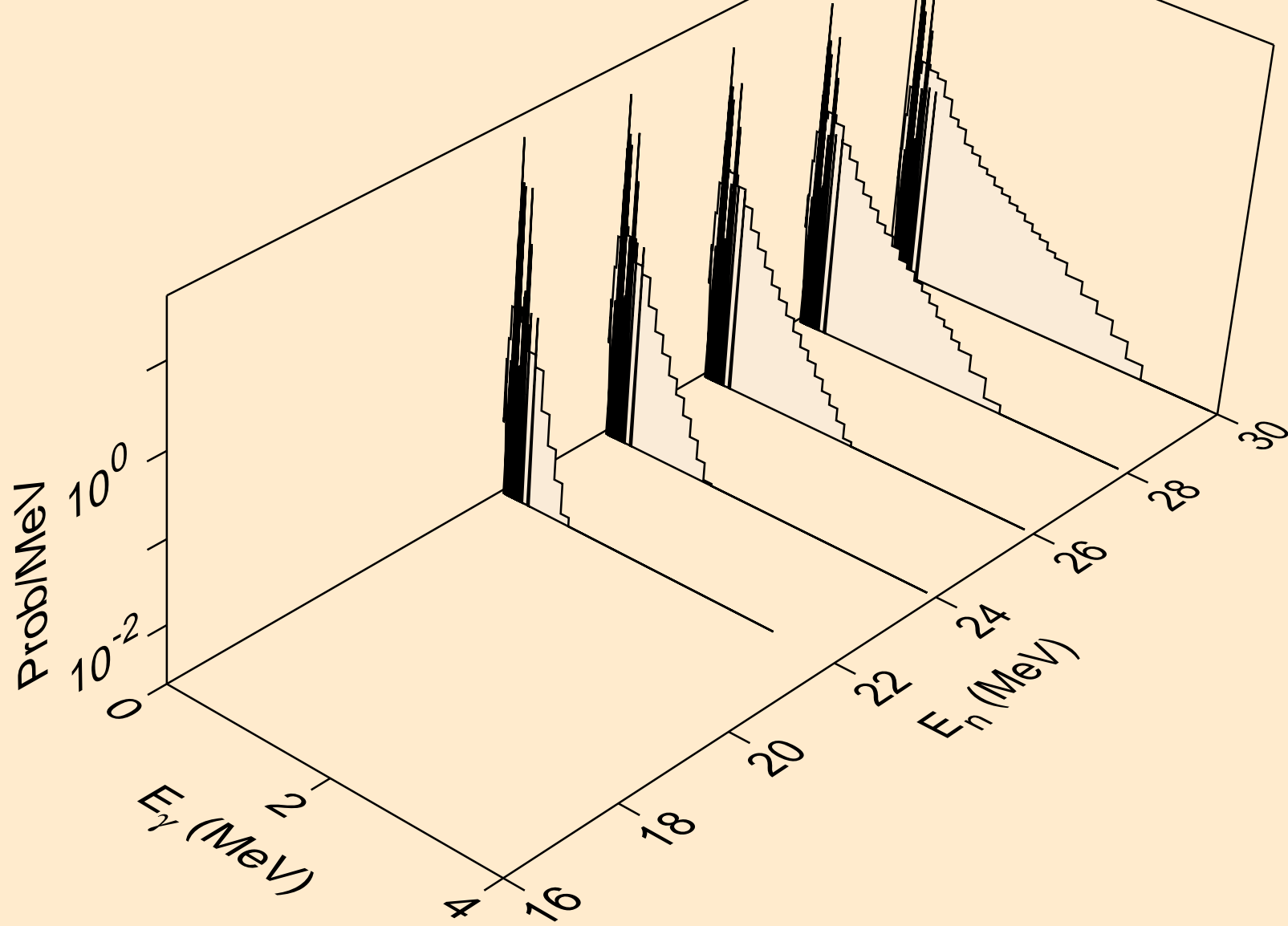
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)



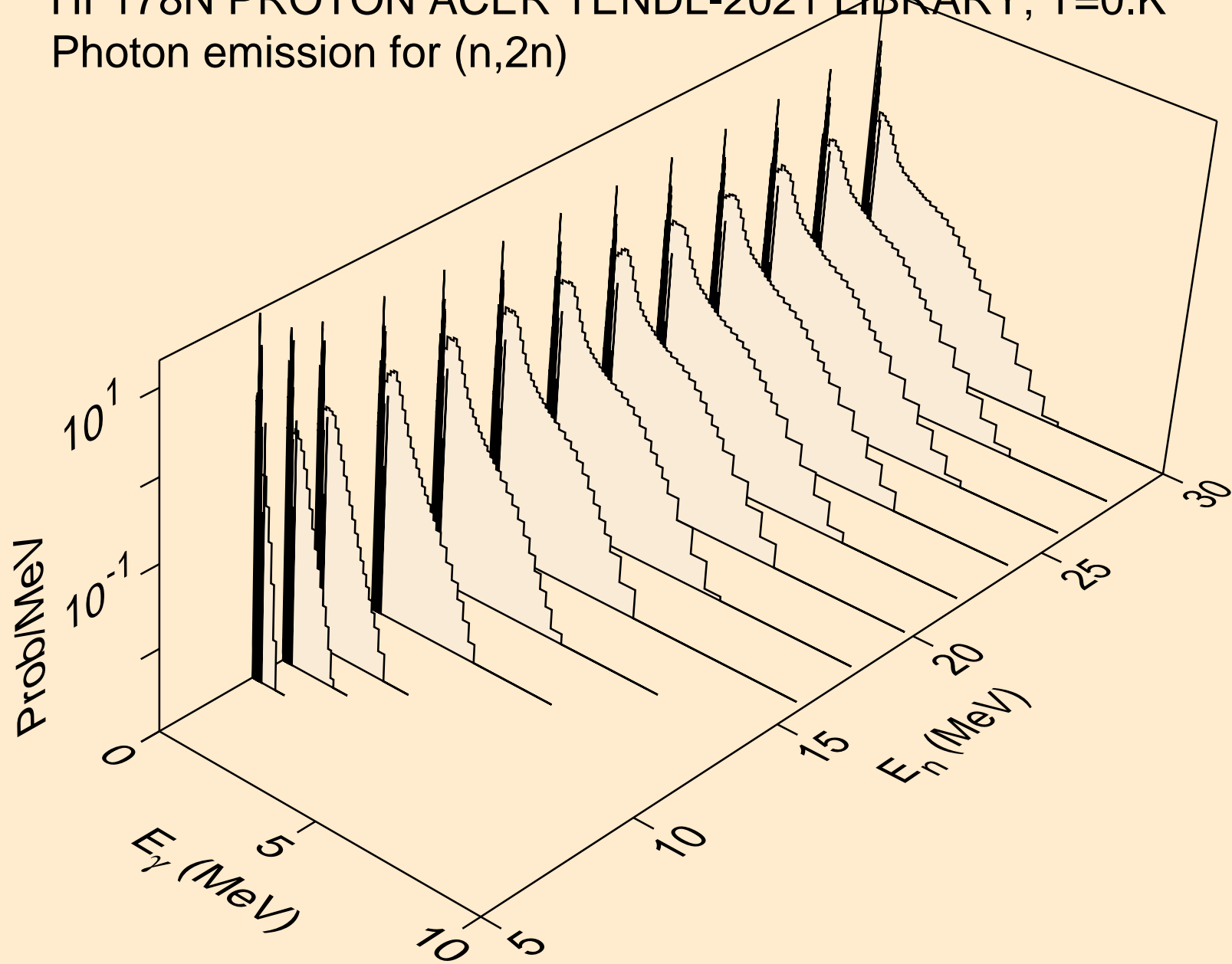
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2nd)

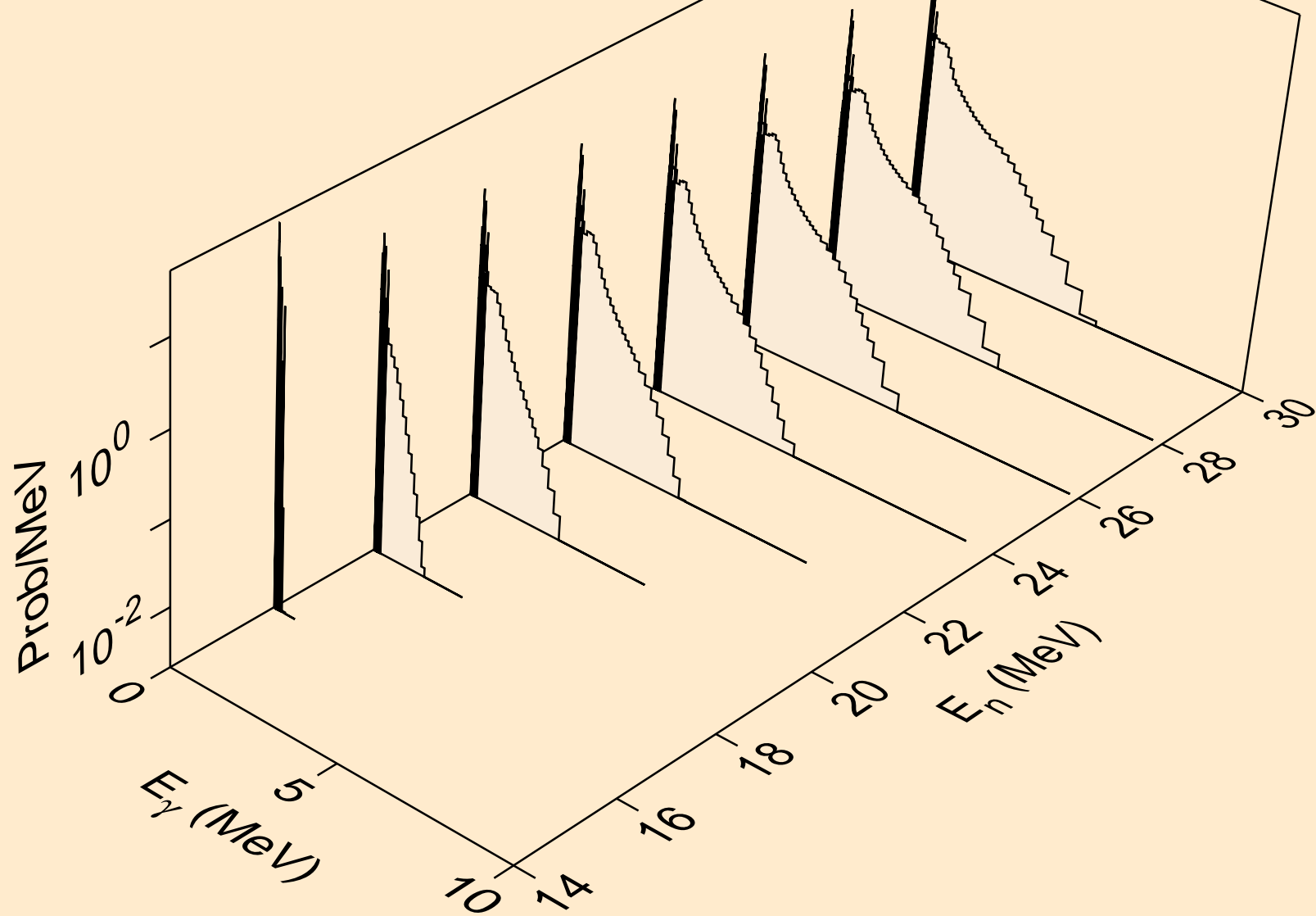


HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)

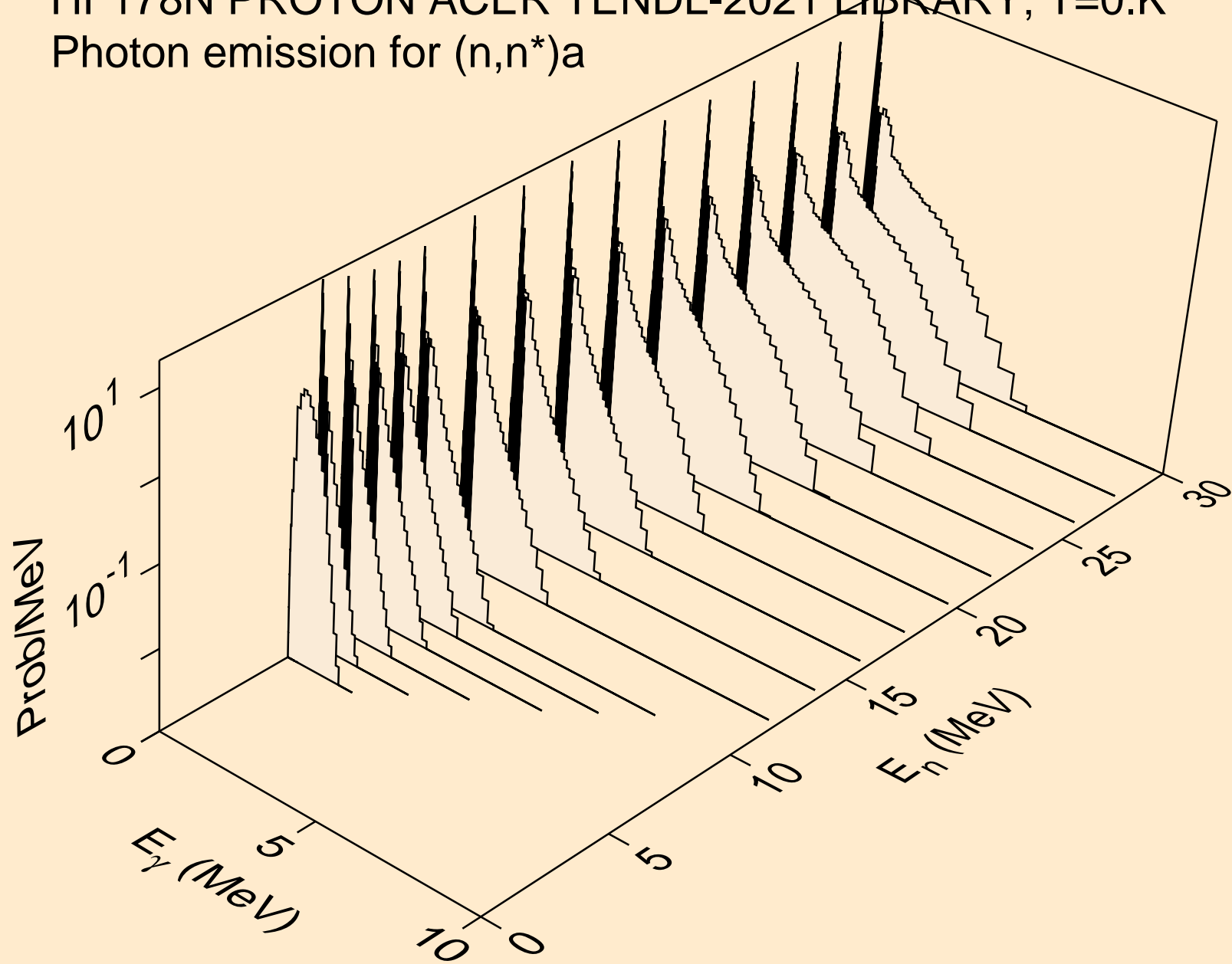




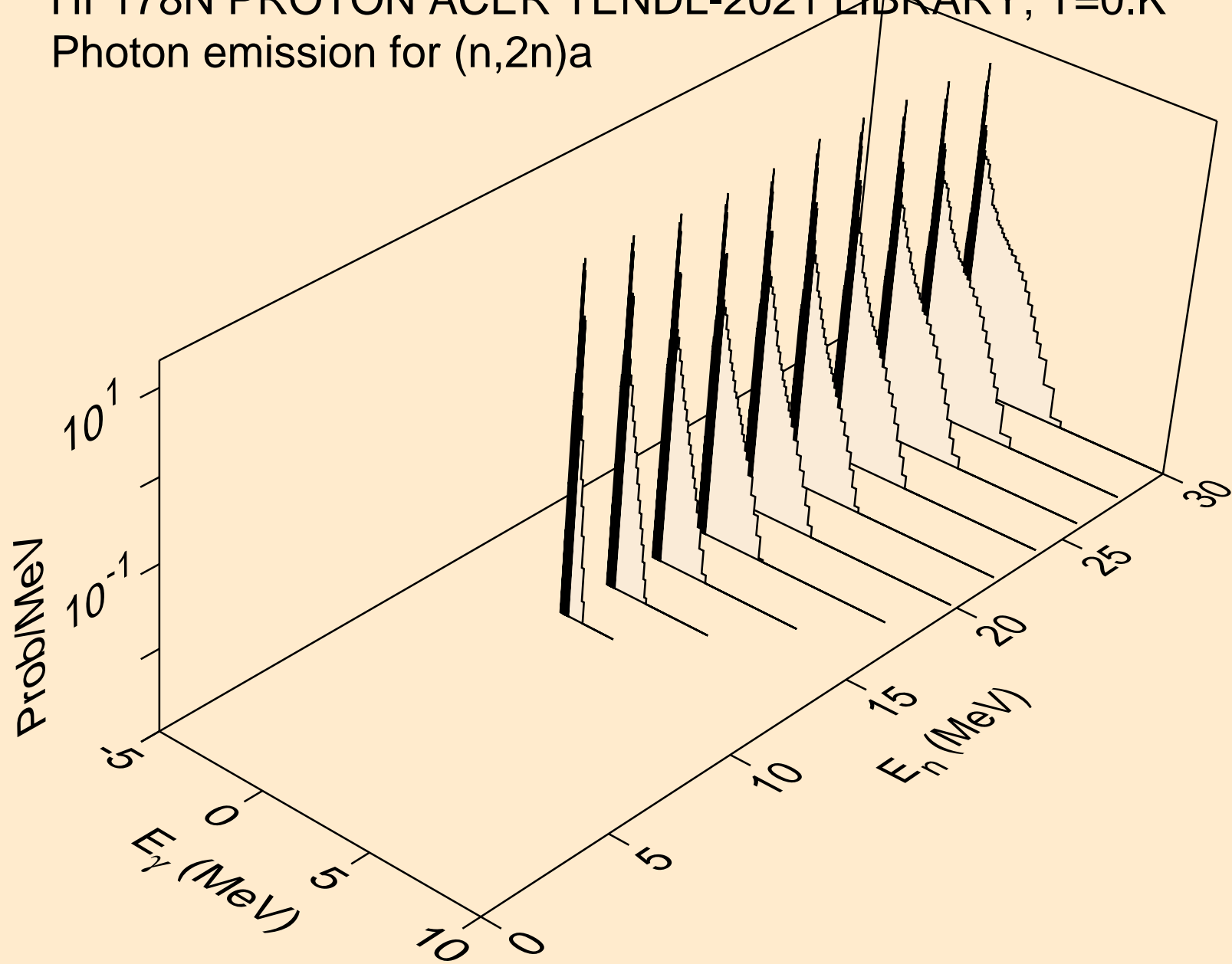
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)



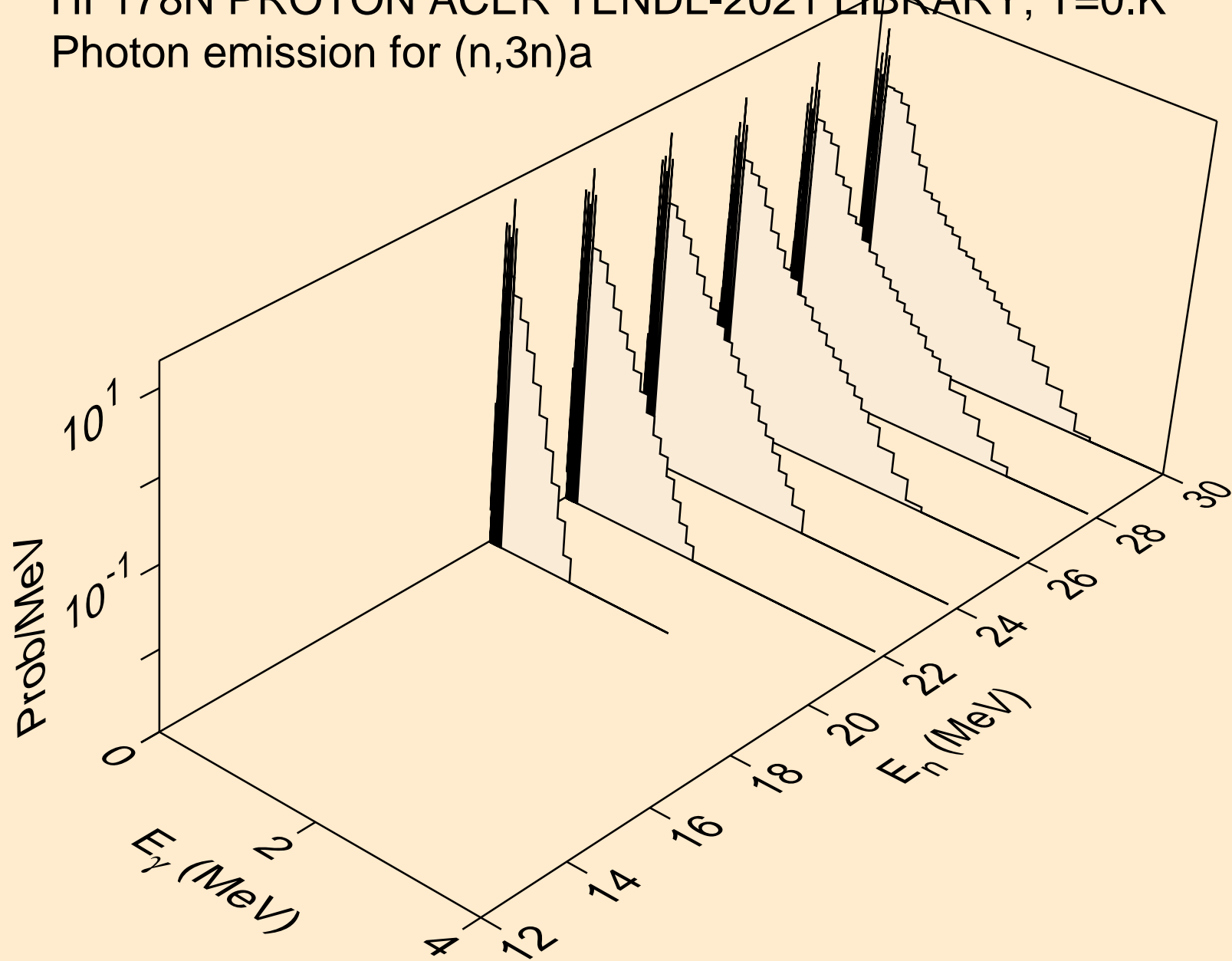
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



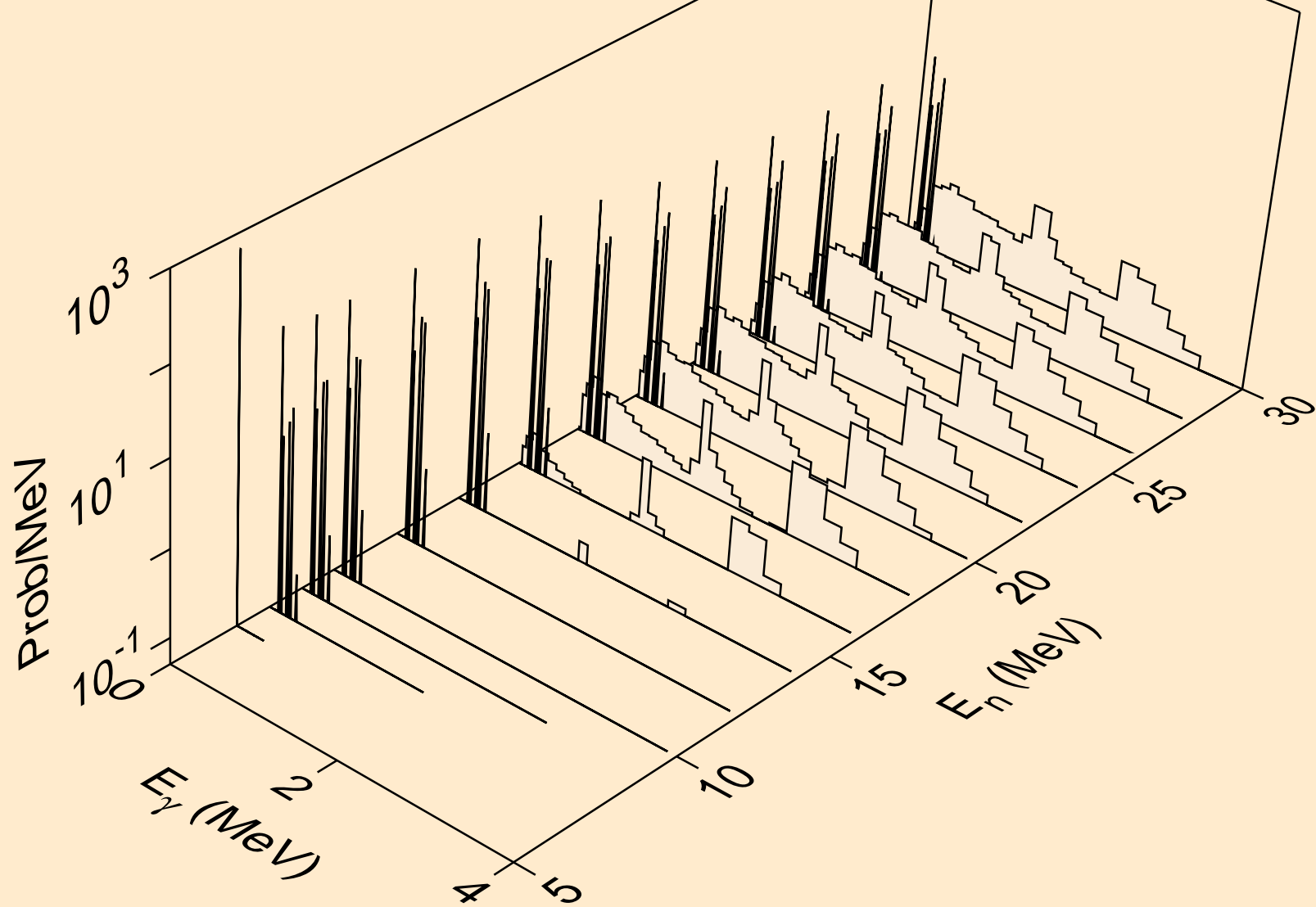
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n) $\alpha$



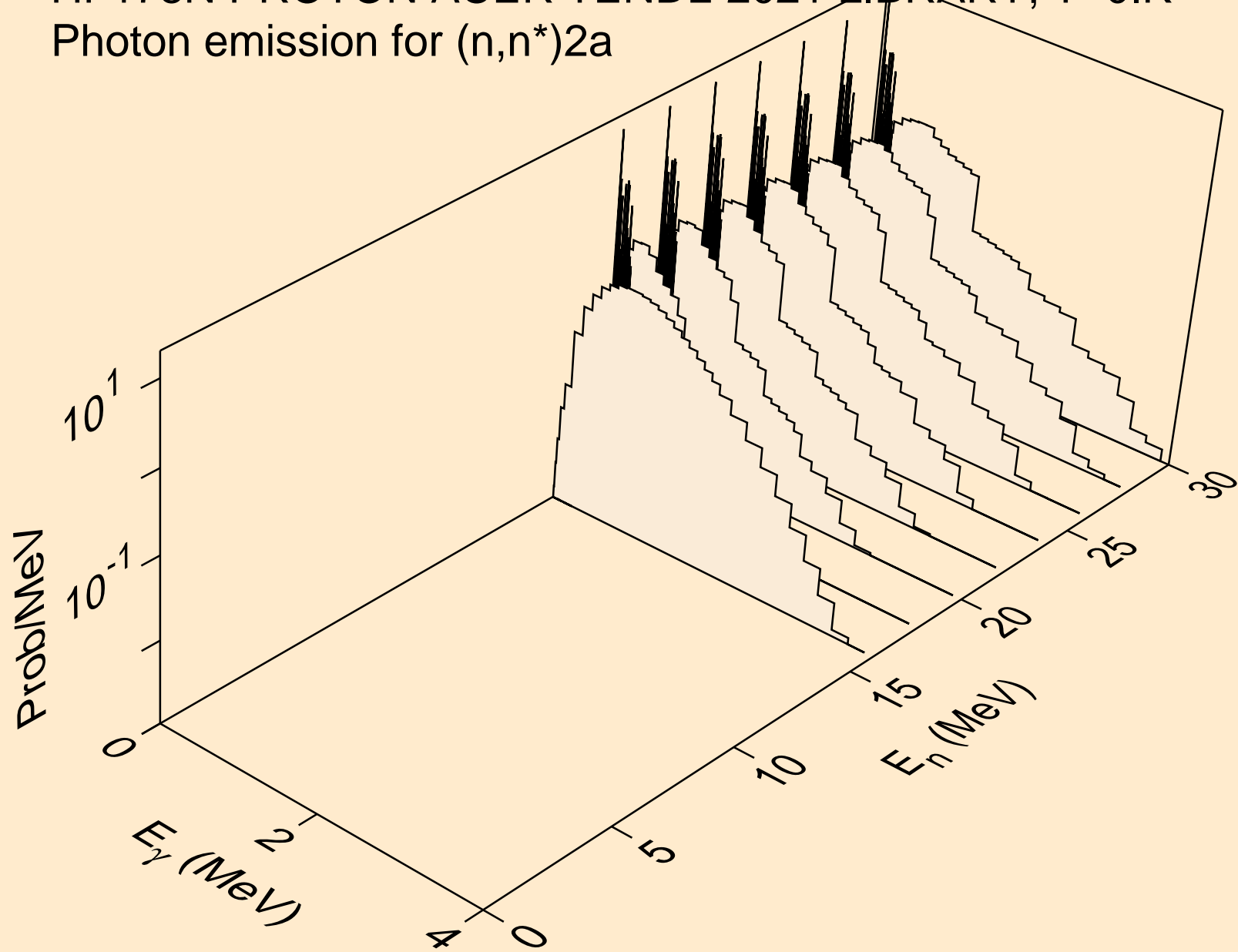
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)a



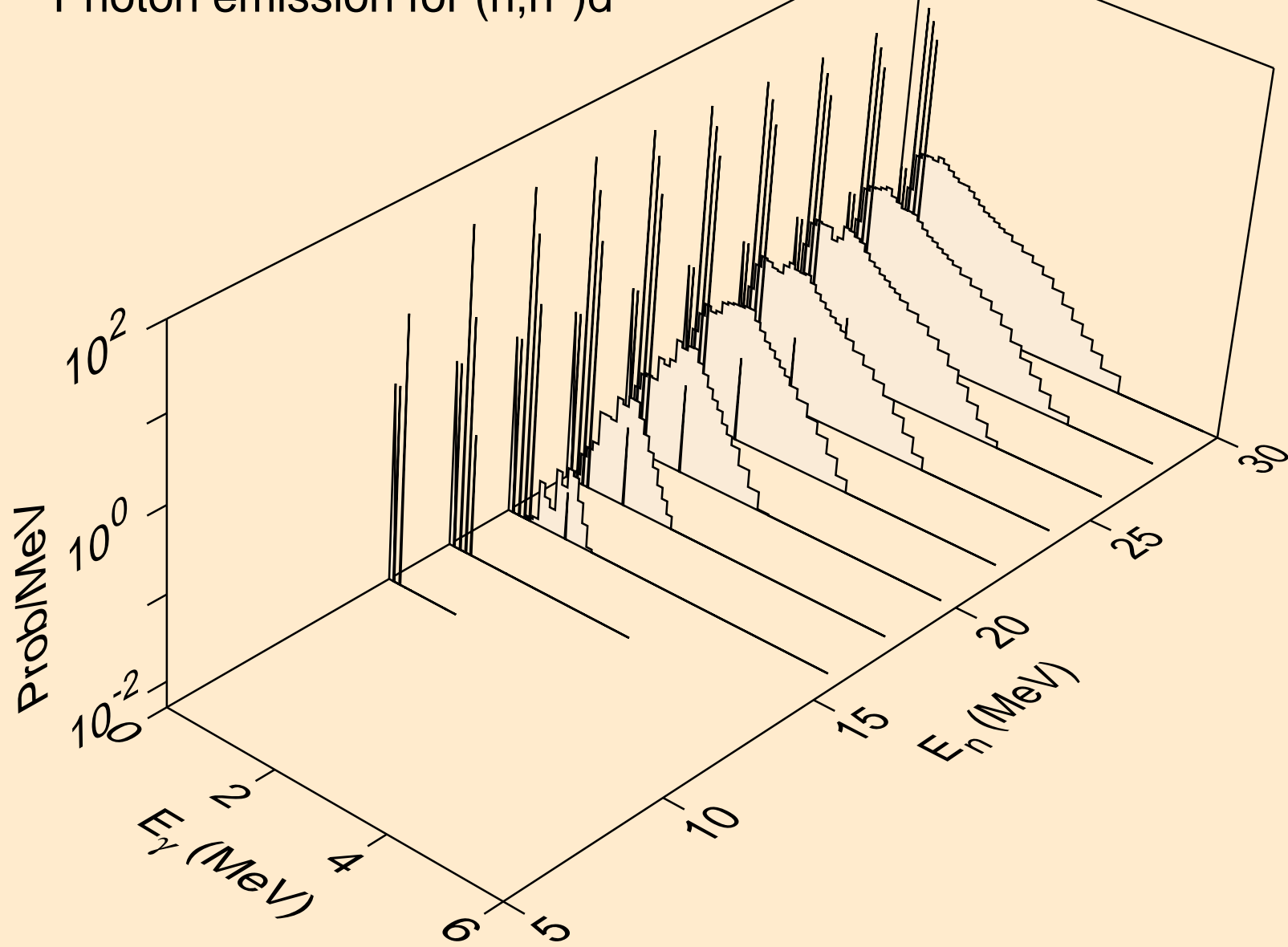
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



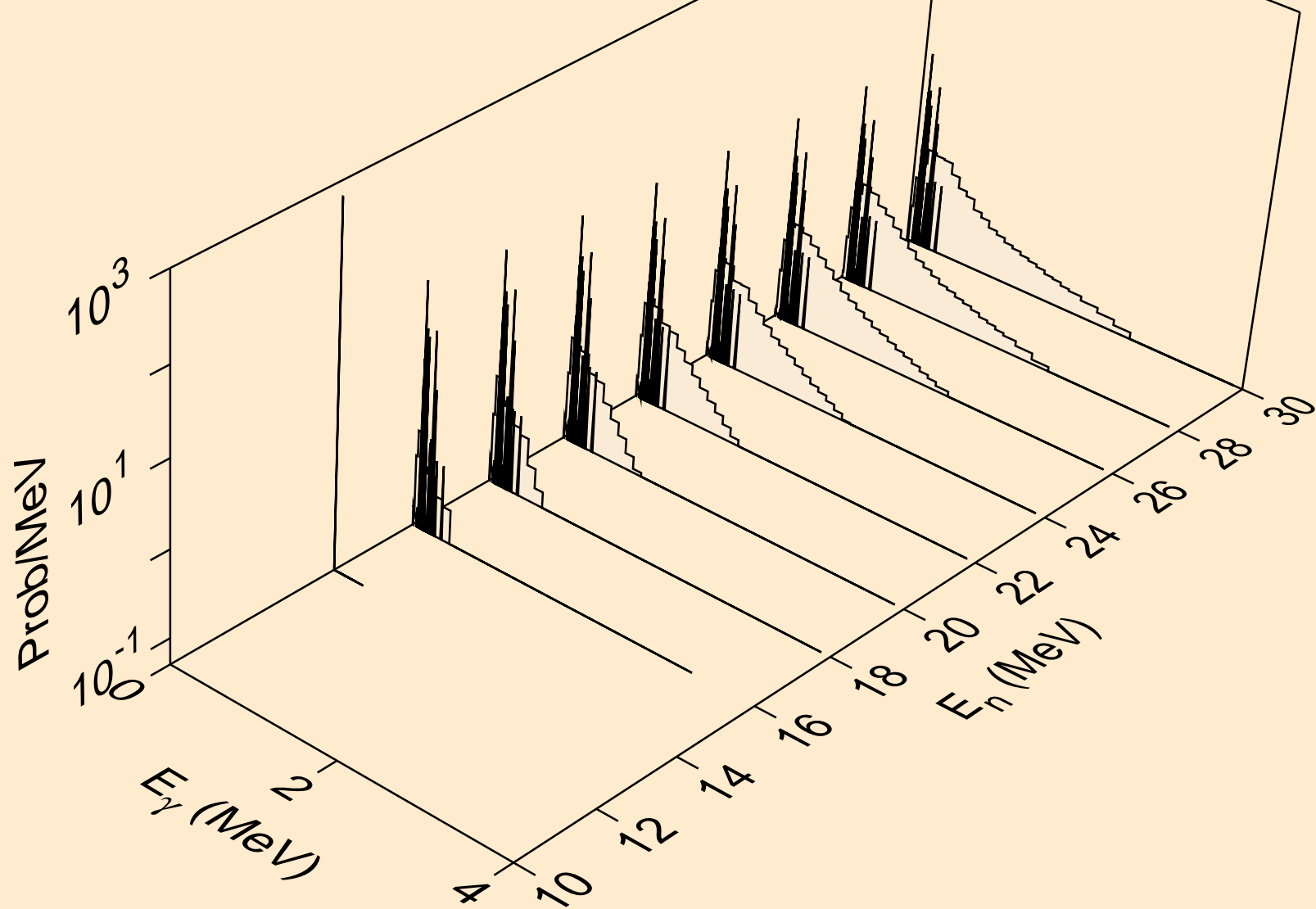
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

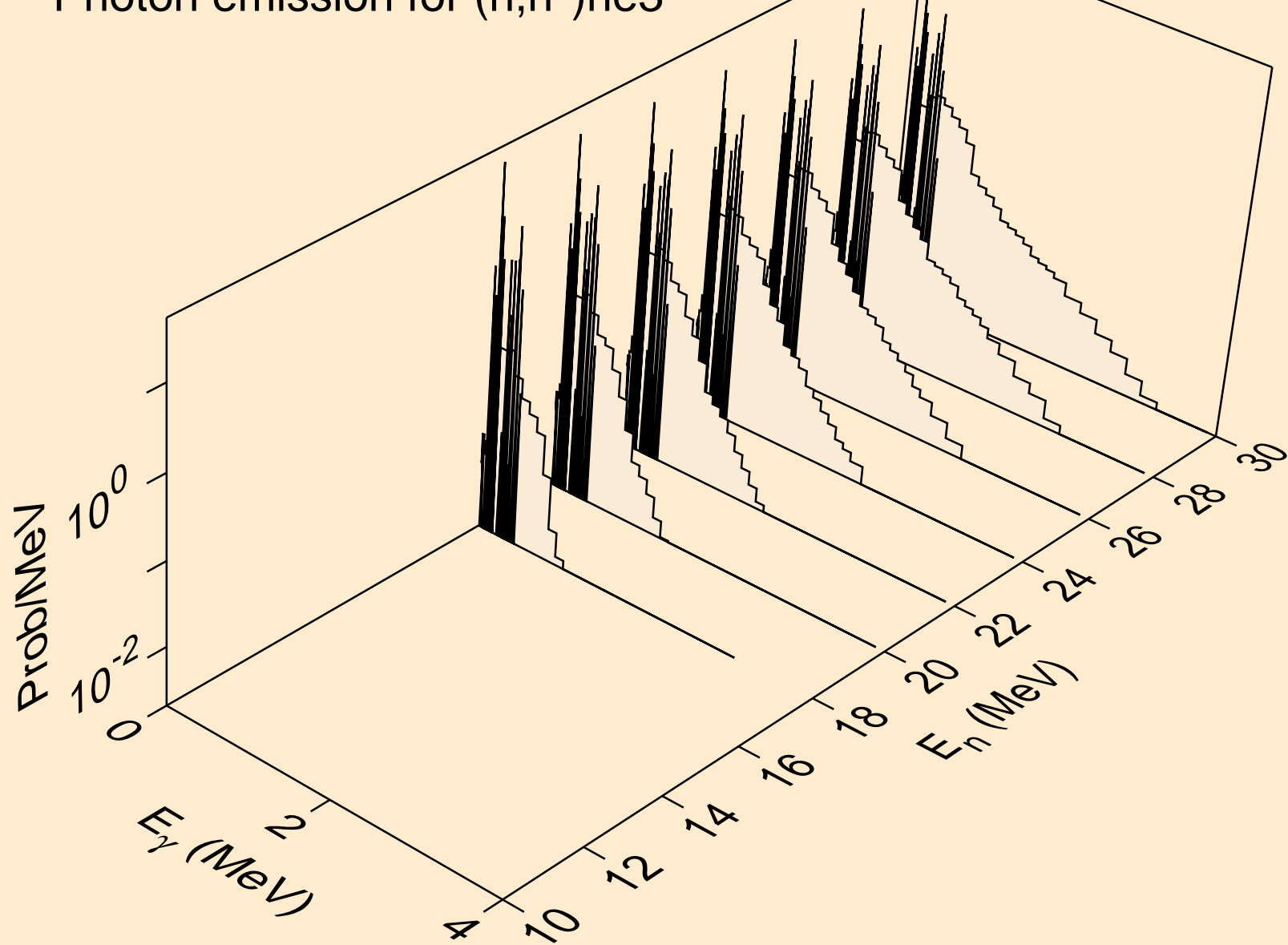


HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

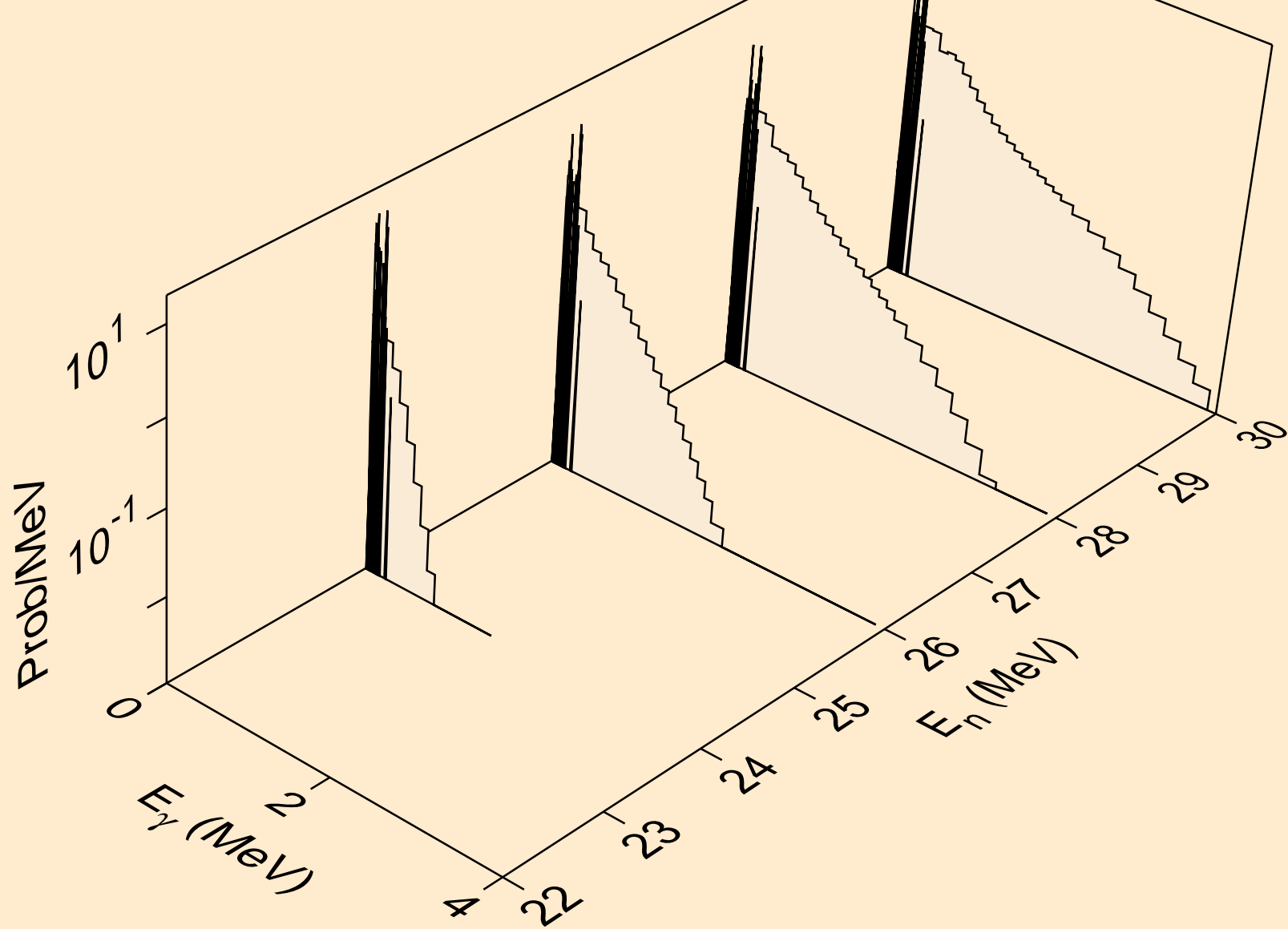




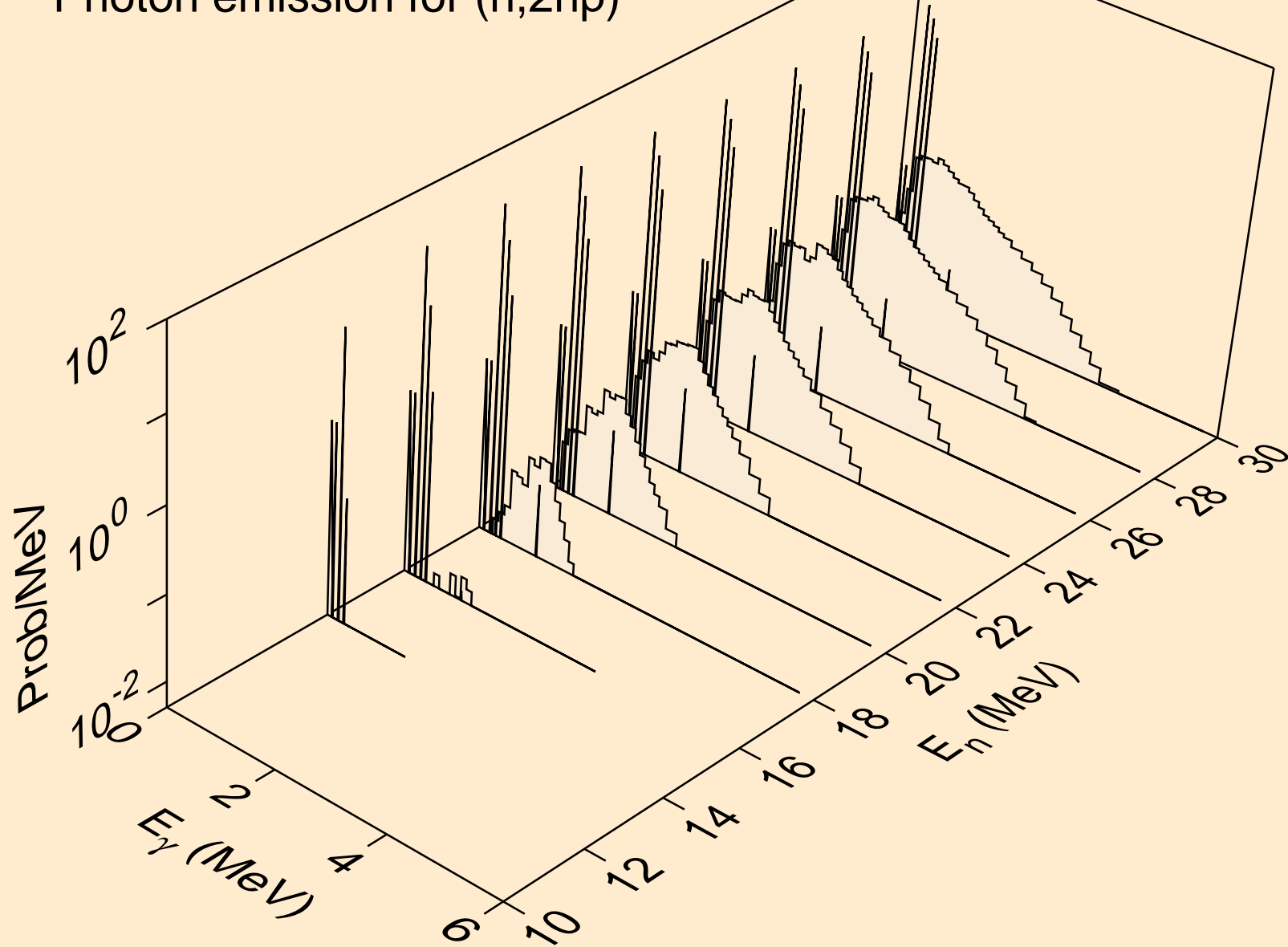
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



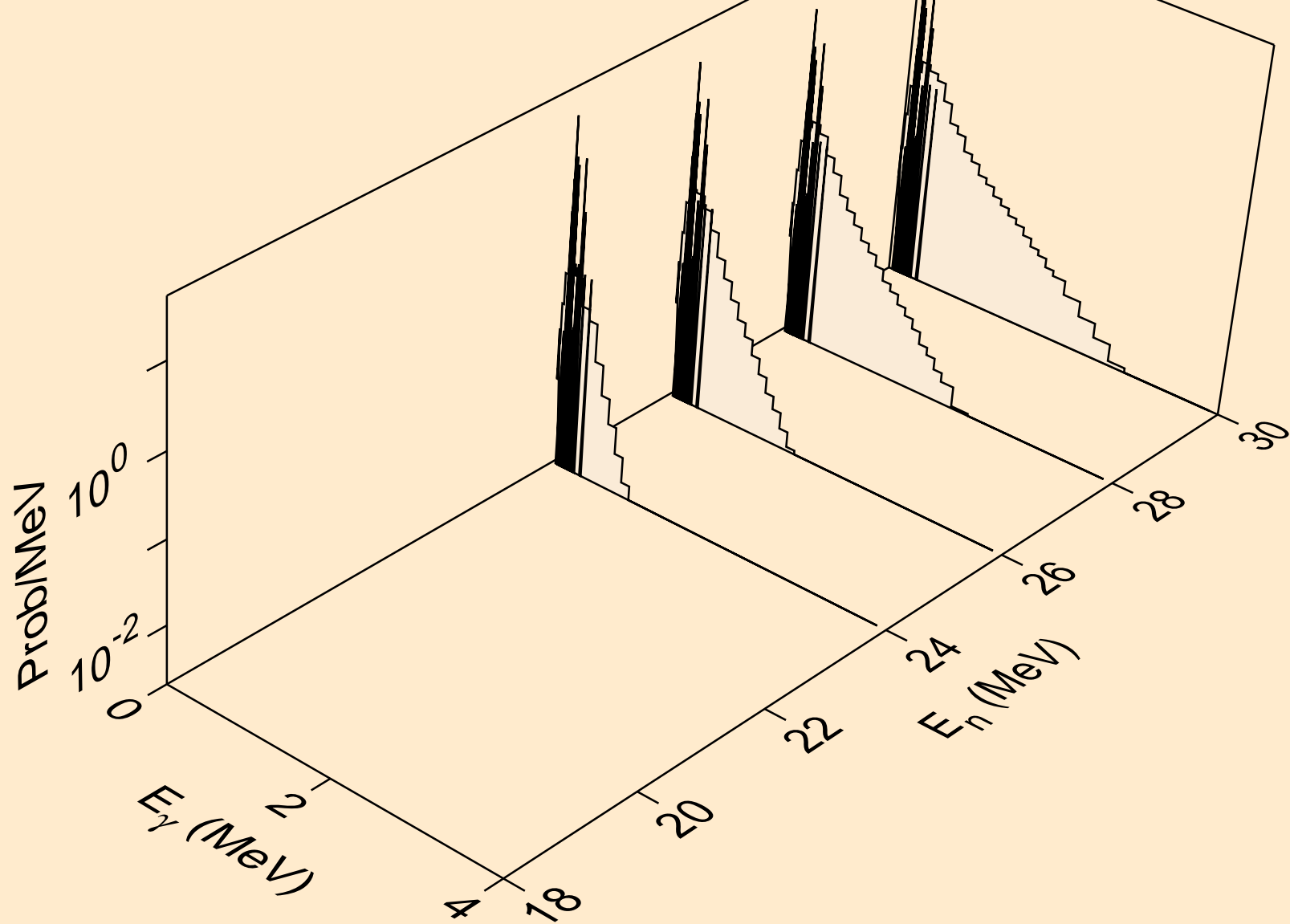
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,4n)



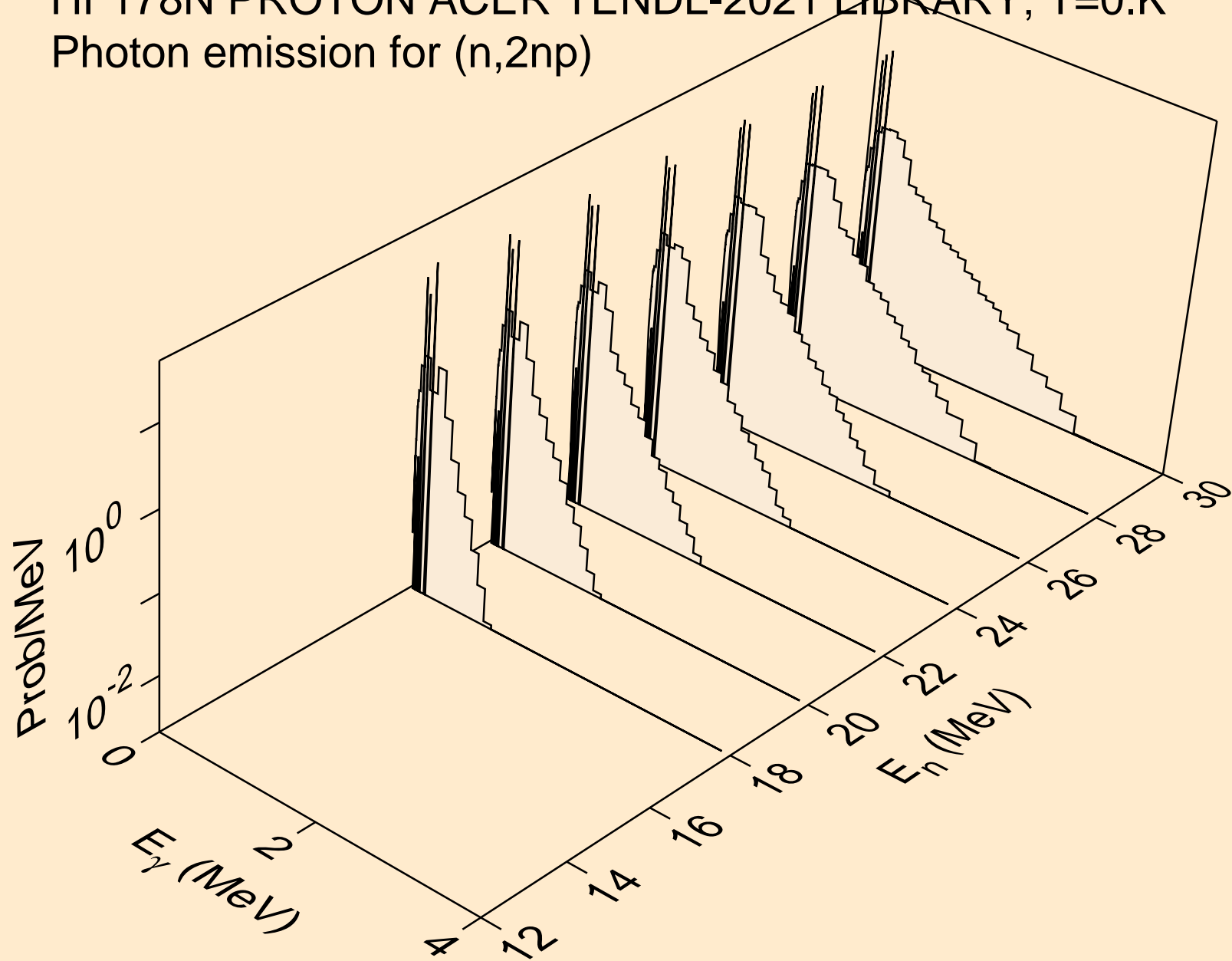
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Photon emission for (n,2np)



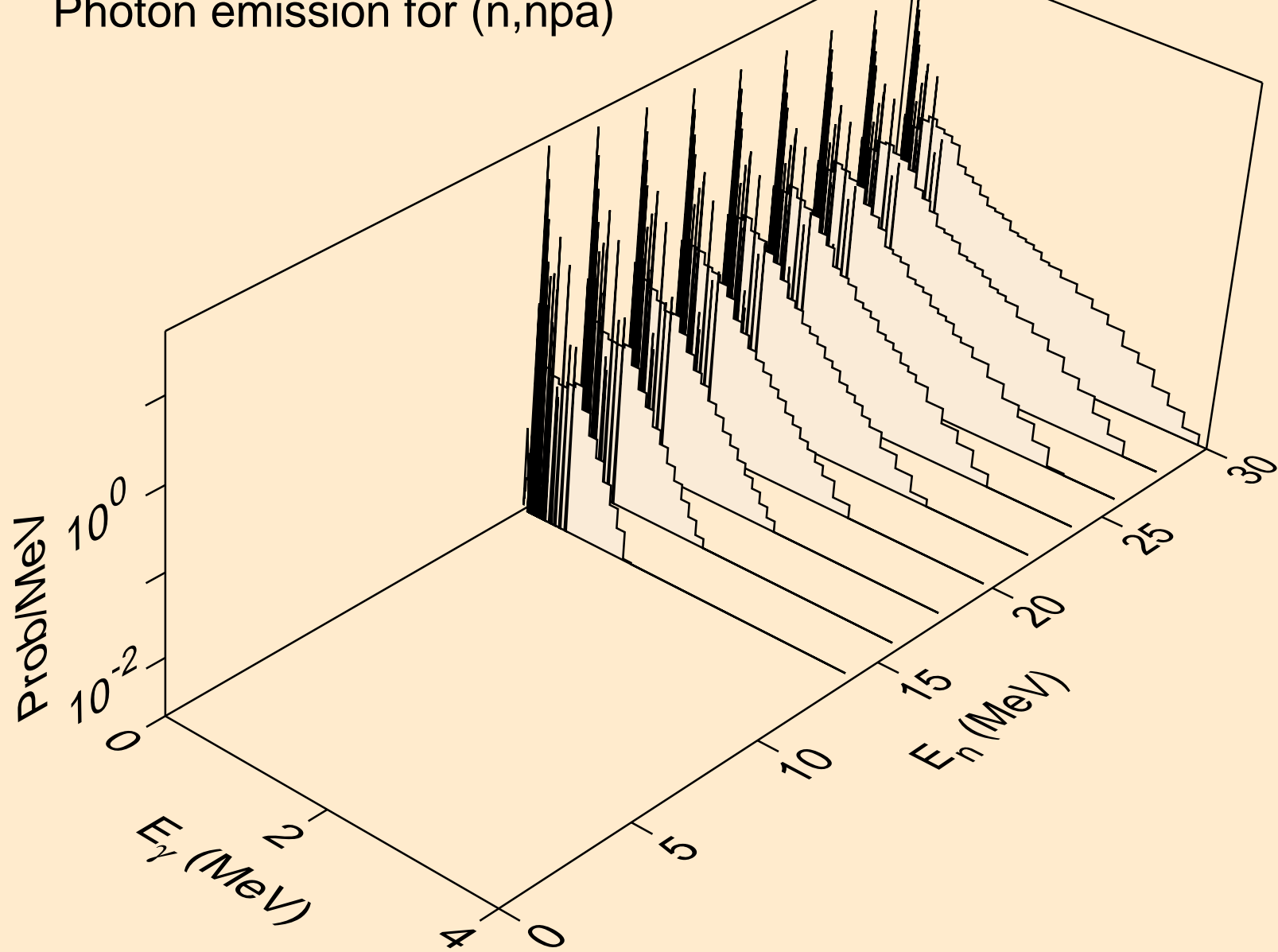
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3np)



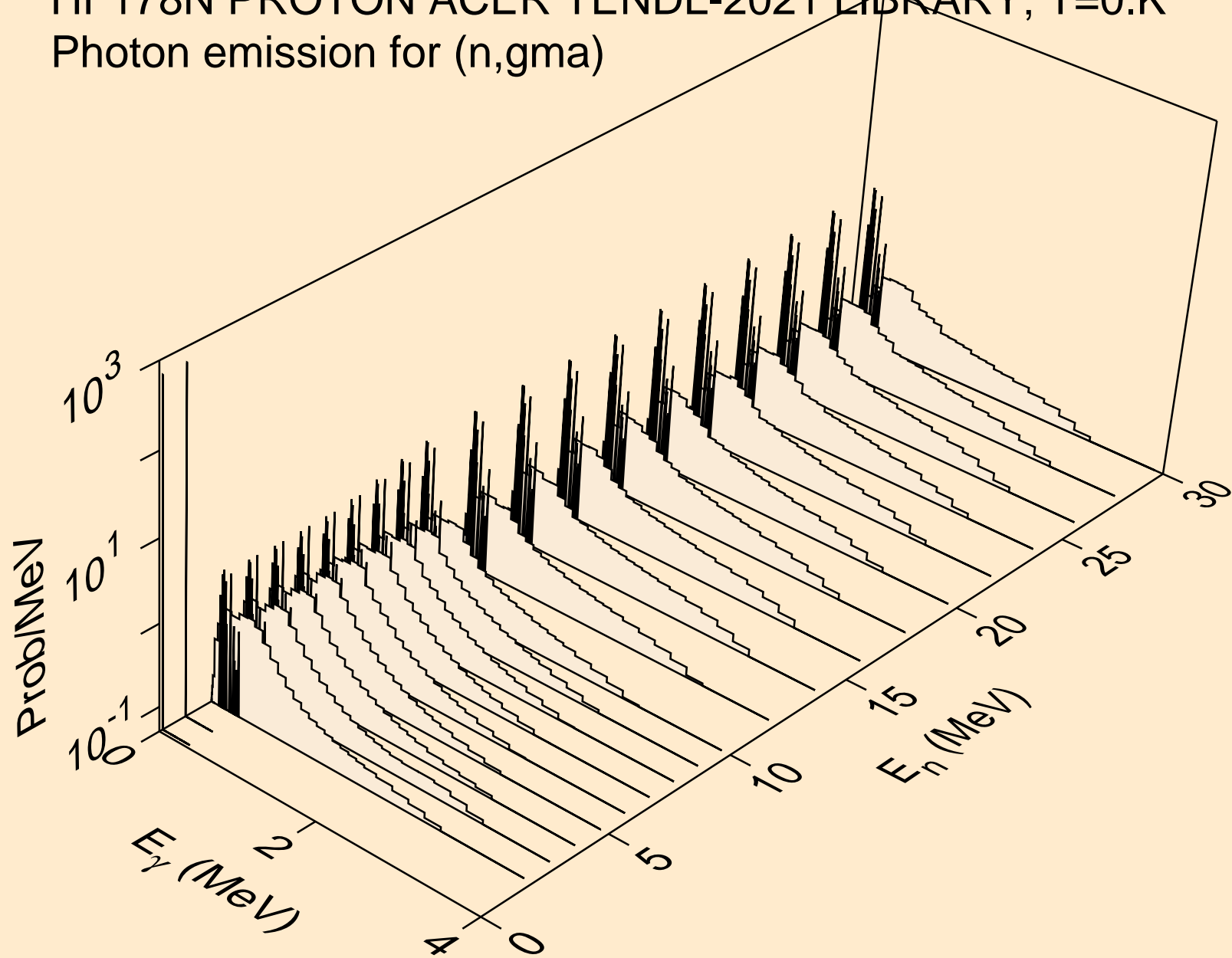
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Photon emission for (n,2np)



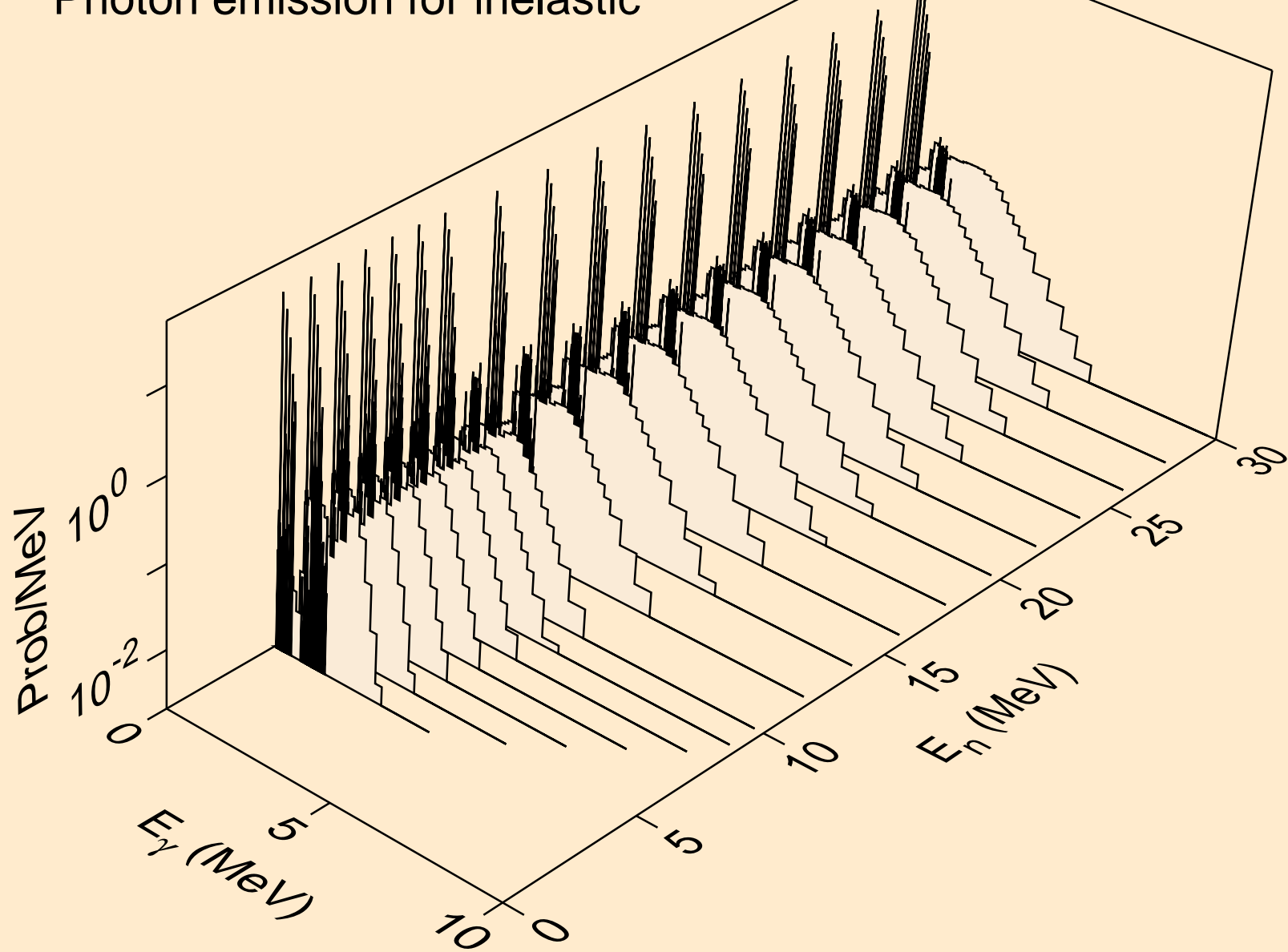
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,npa)



HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,gma)

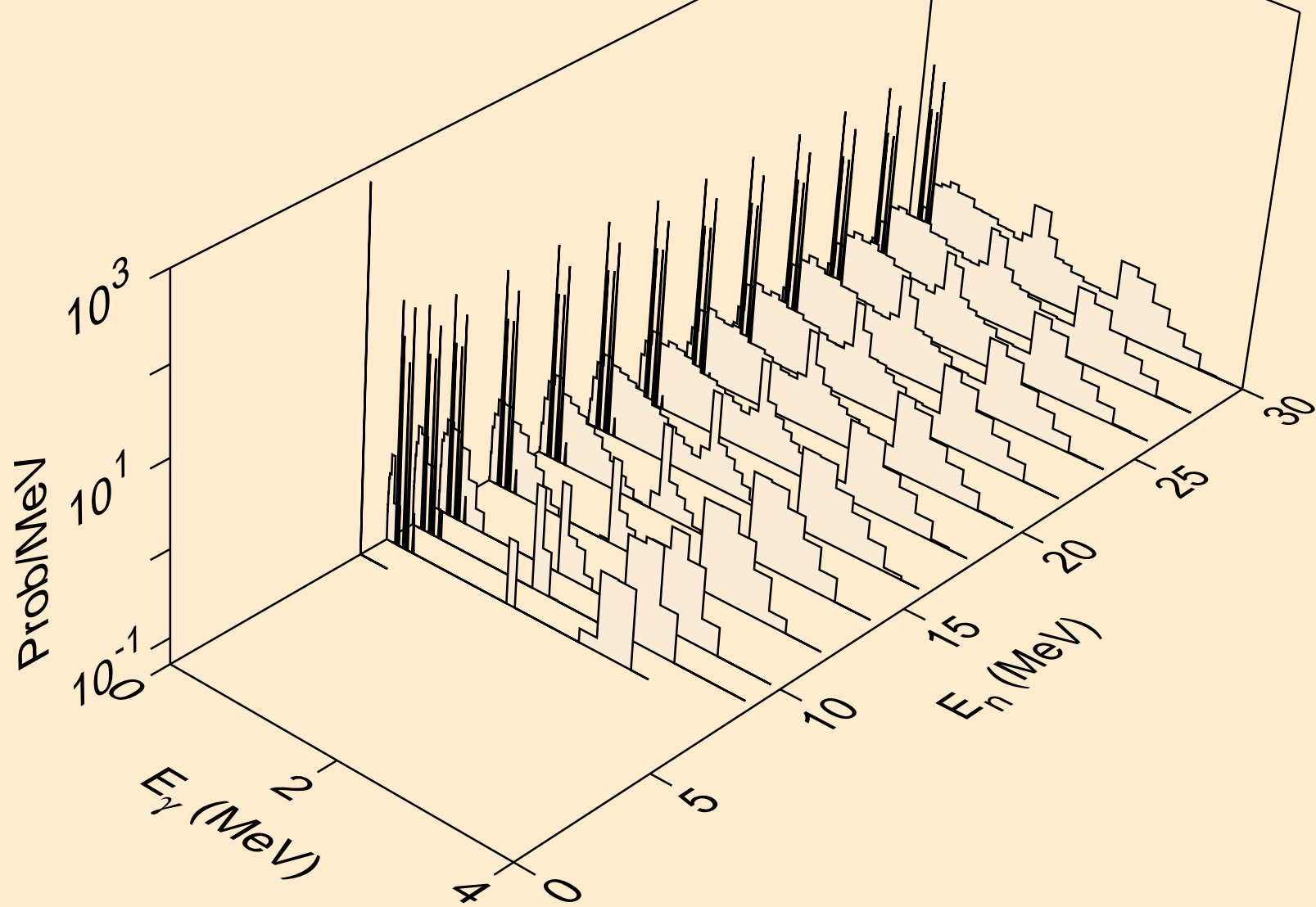


HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic

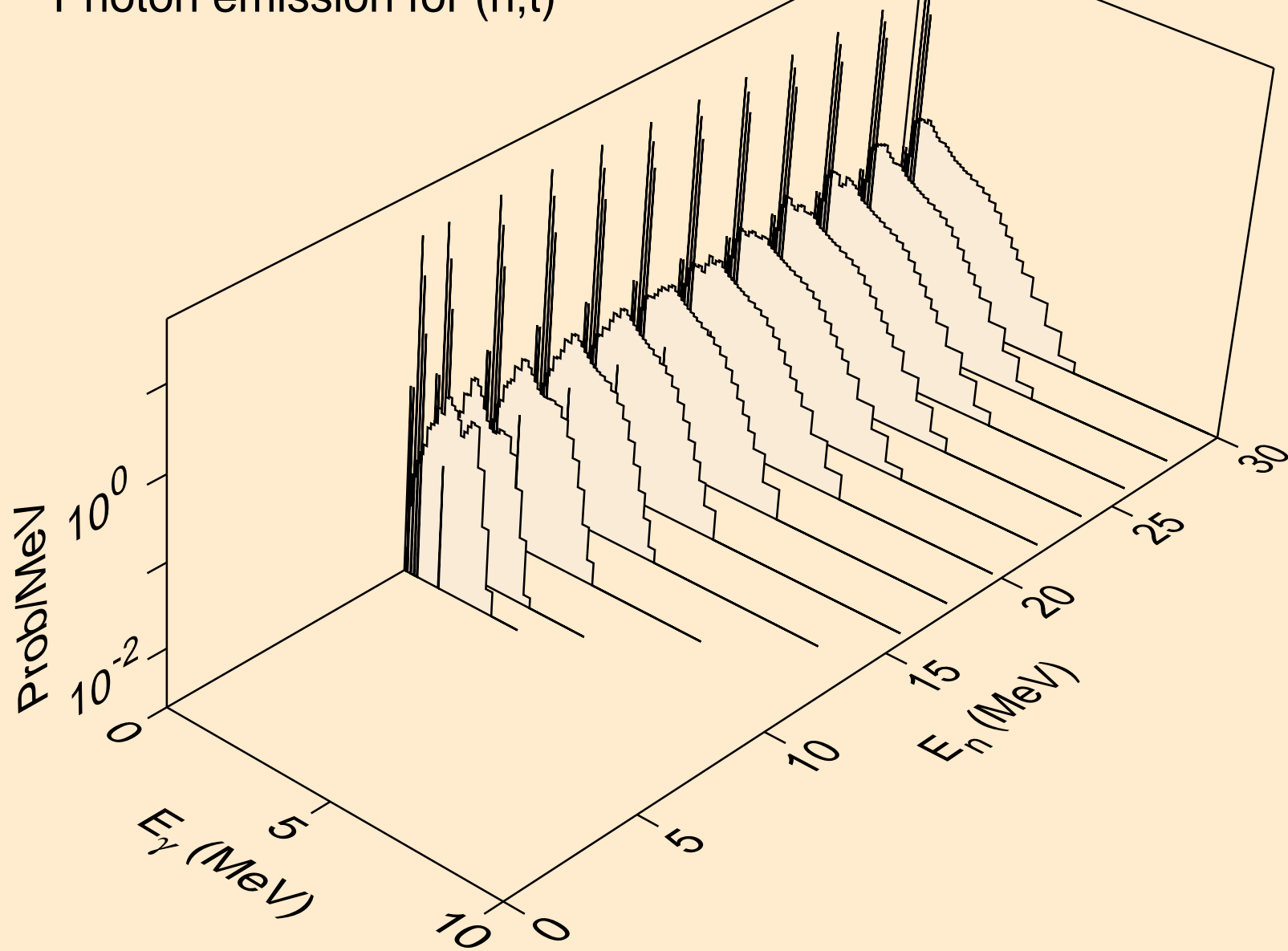




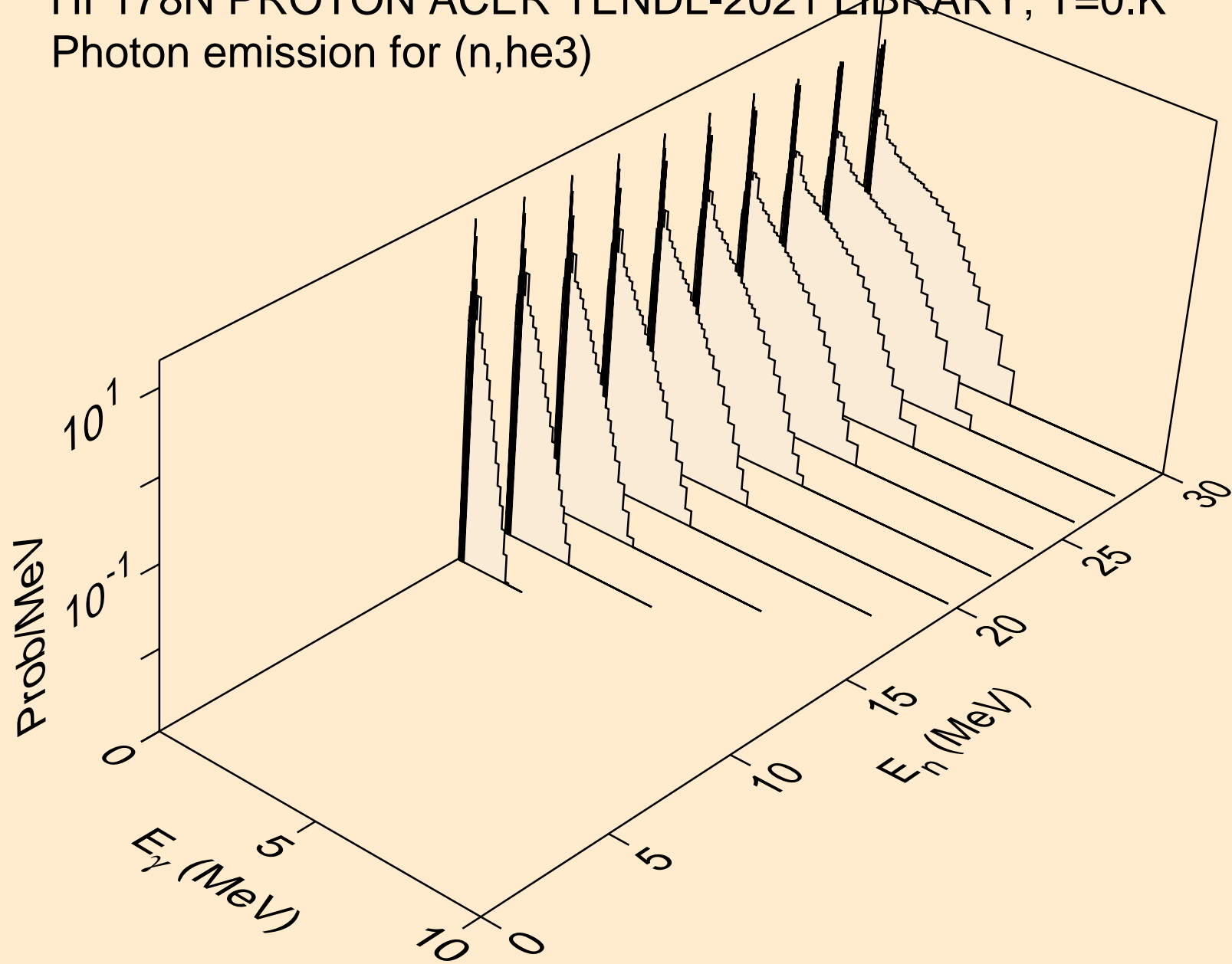
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,d)



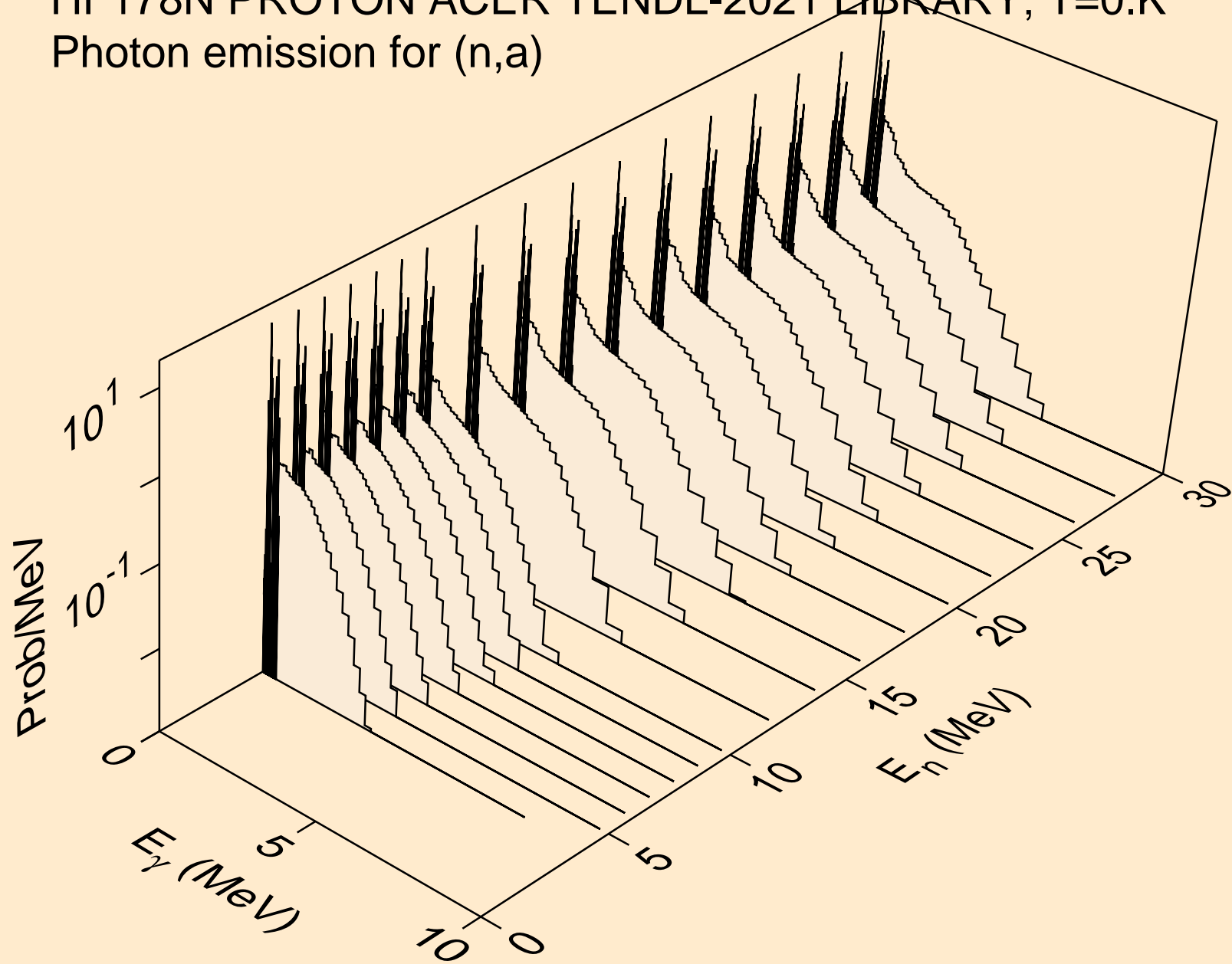
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,t)



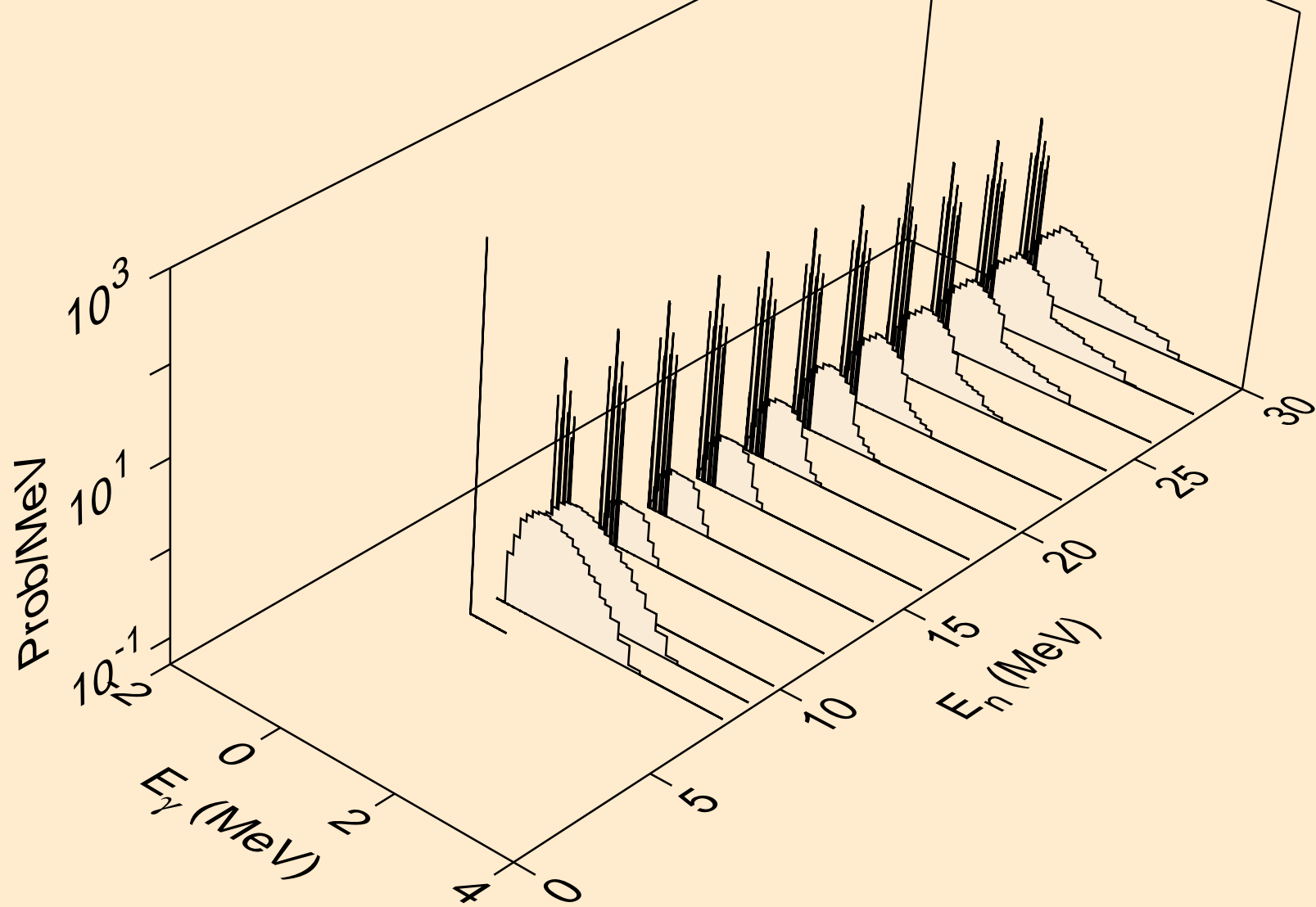
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Photon emission for (n,he3)



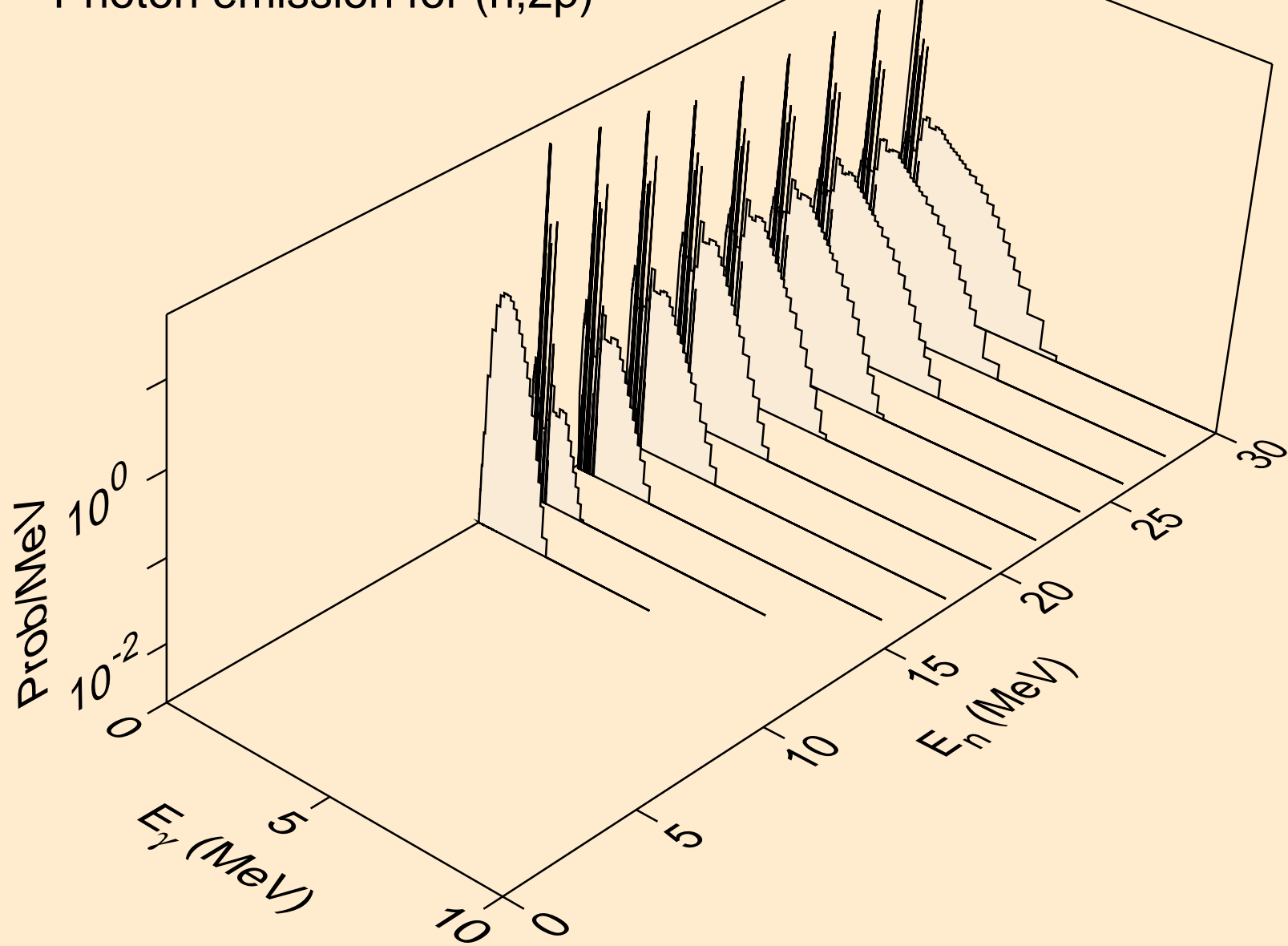
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,a)



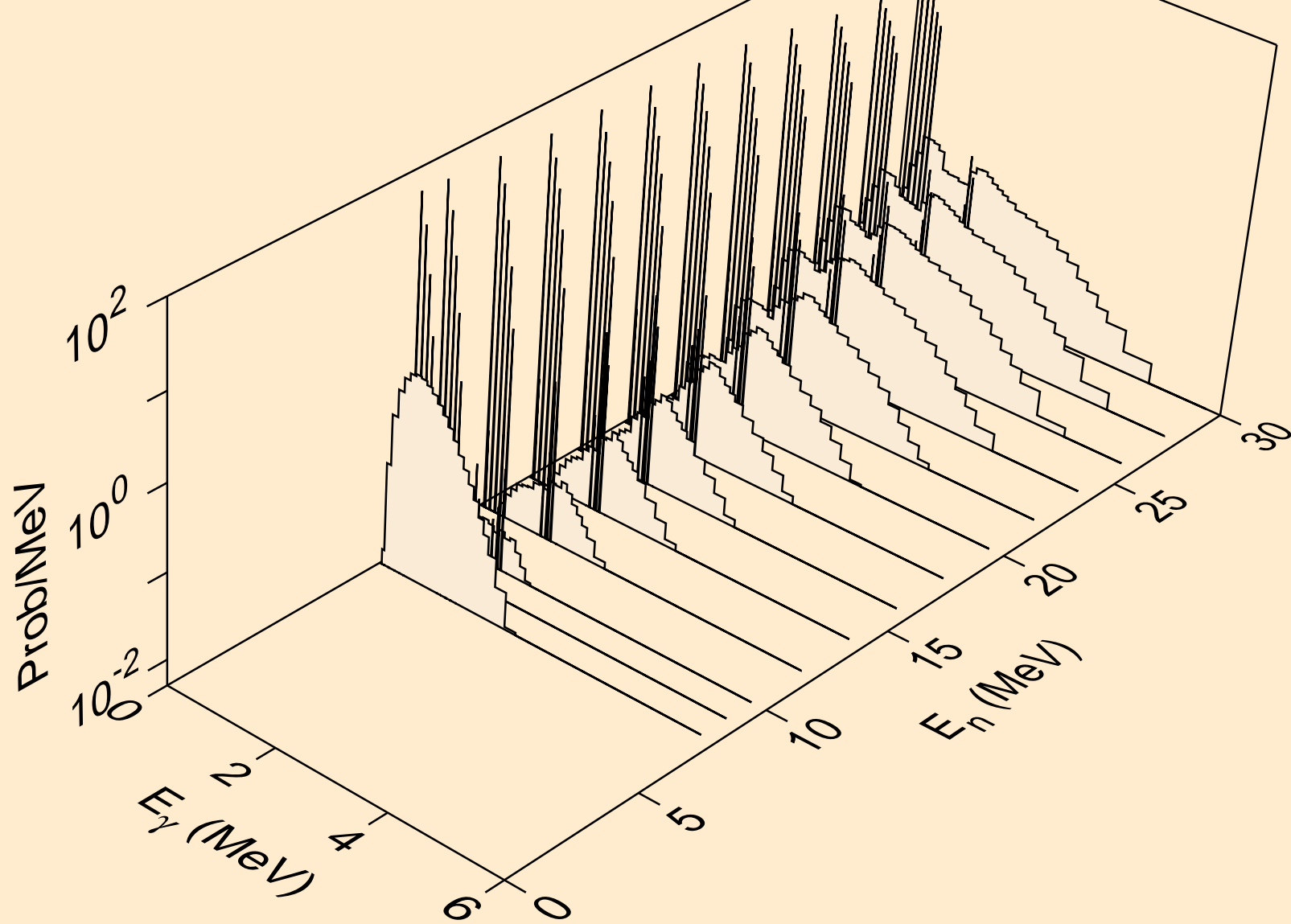
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2a)



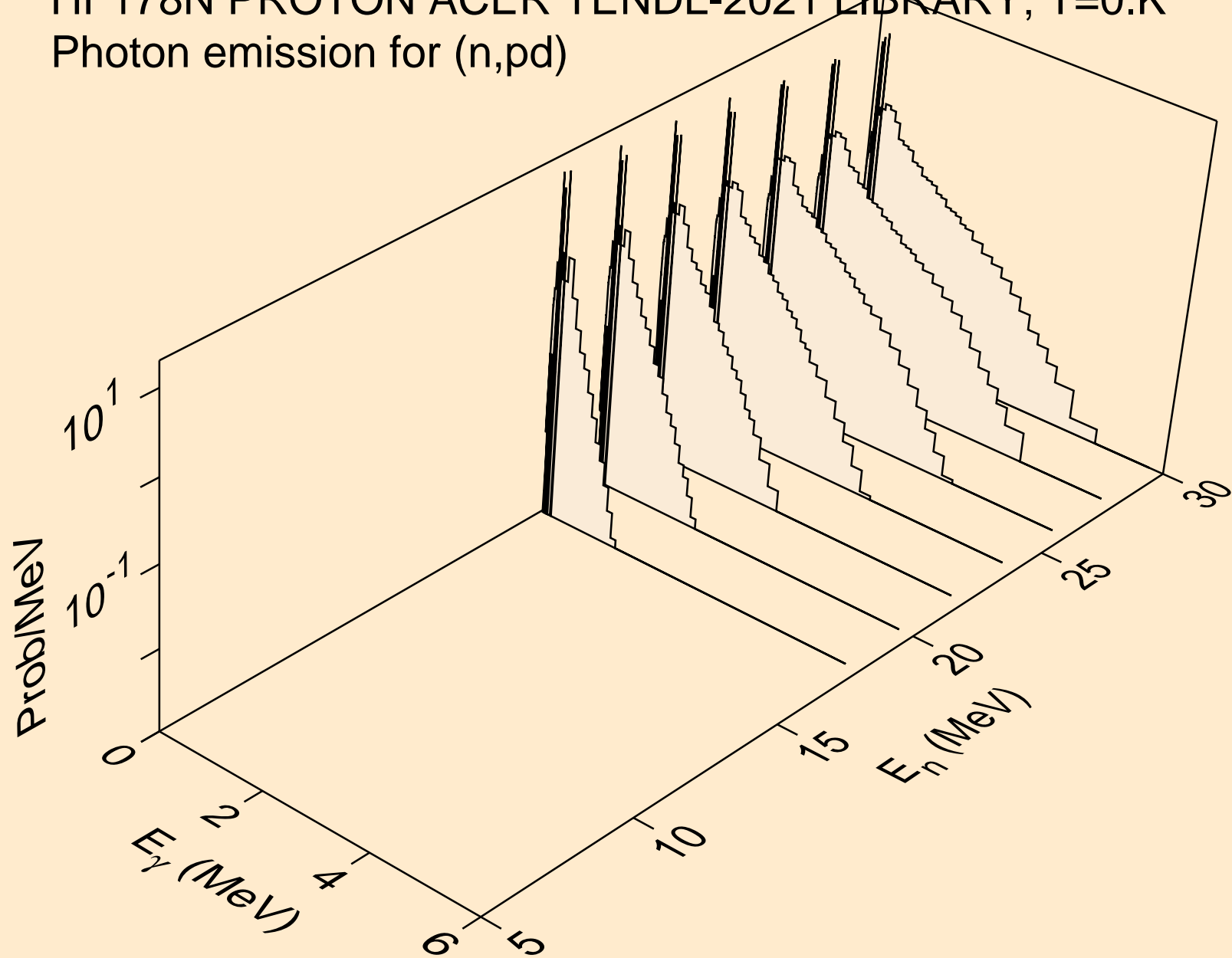
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)



HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pa)

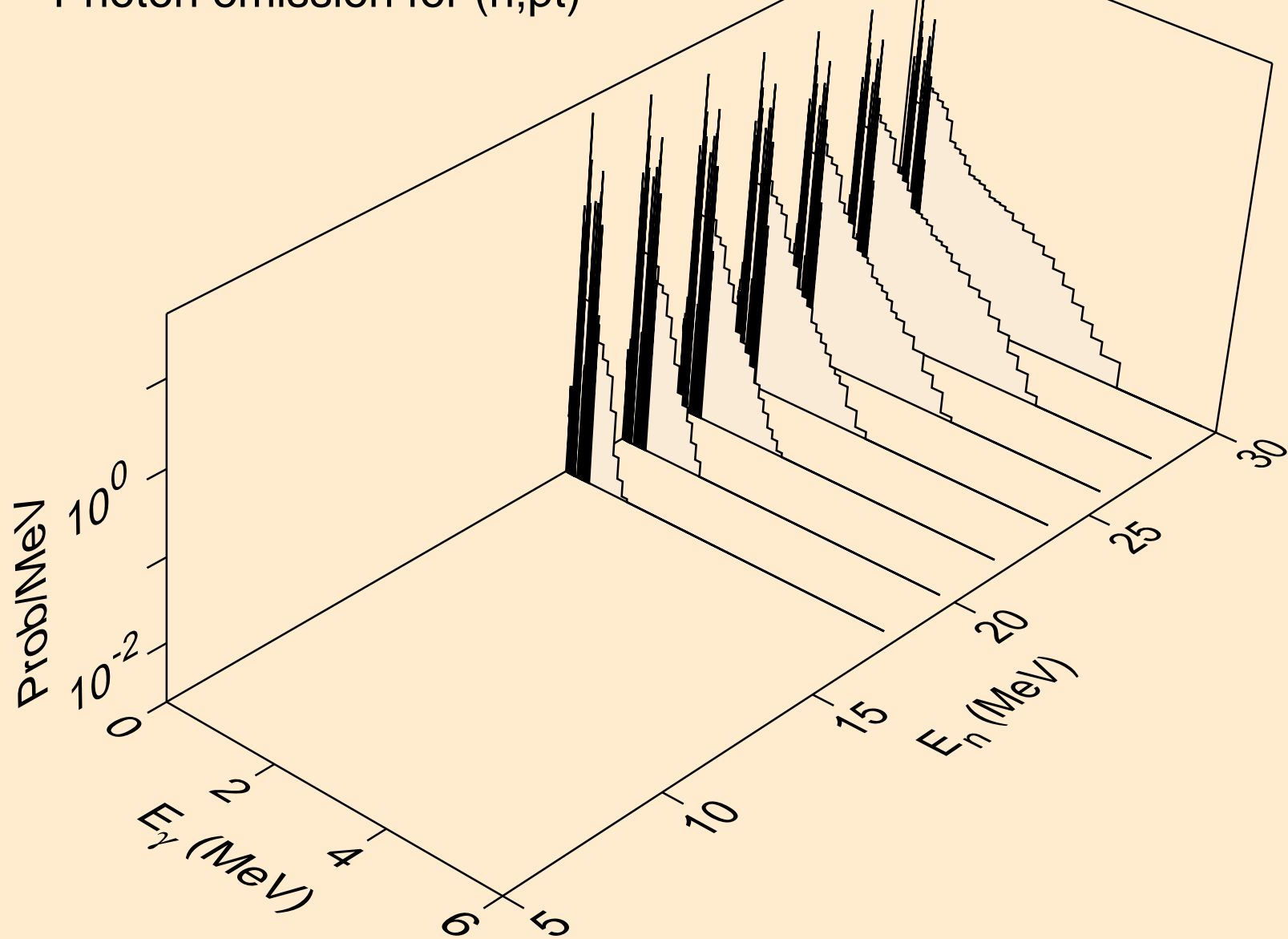


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Photon emission for (n,pd)

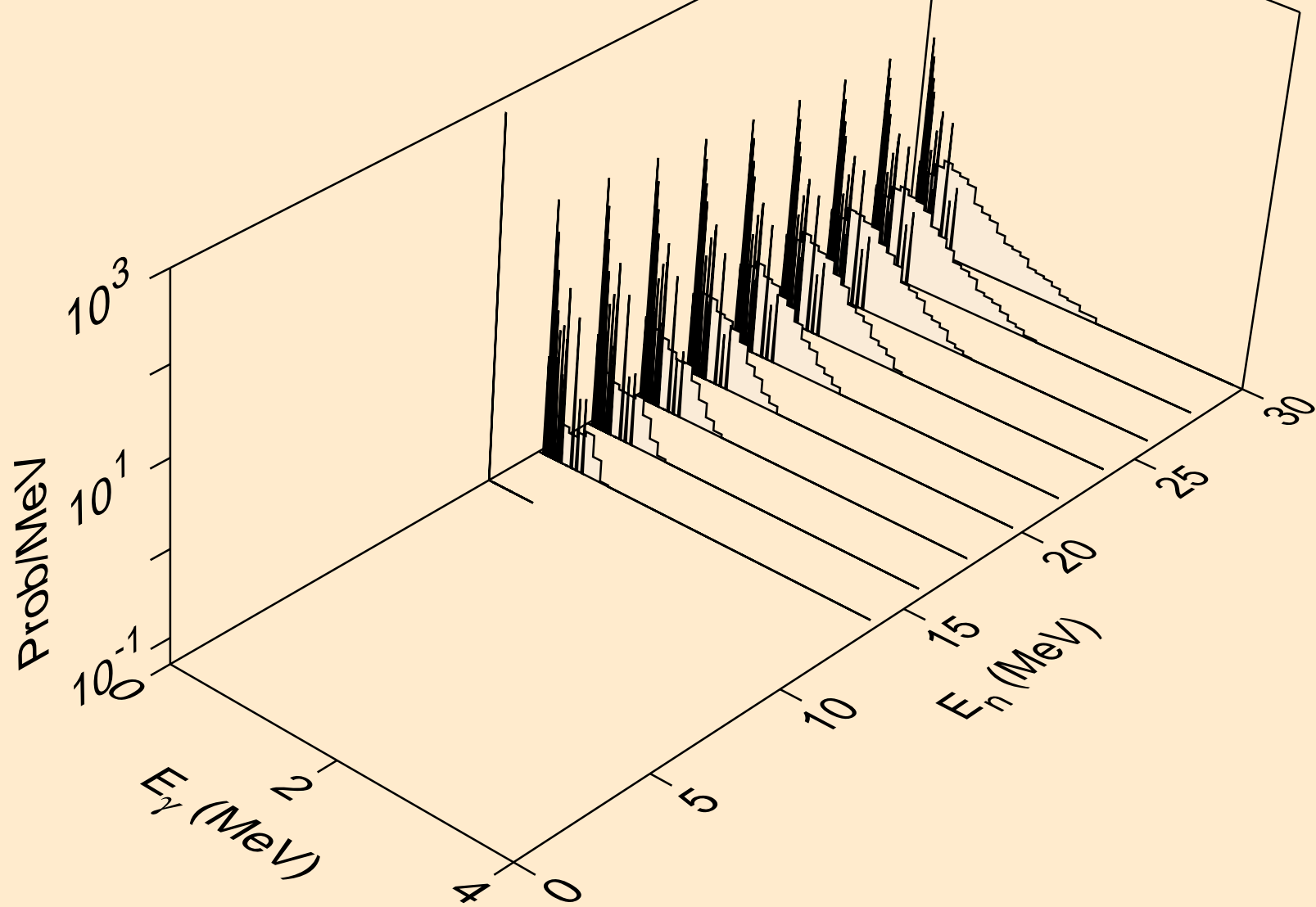




HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pt)

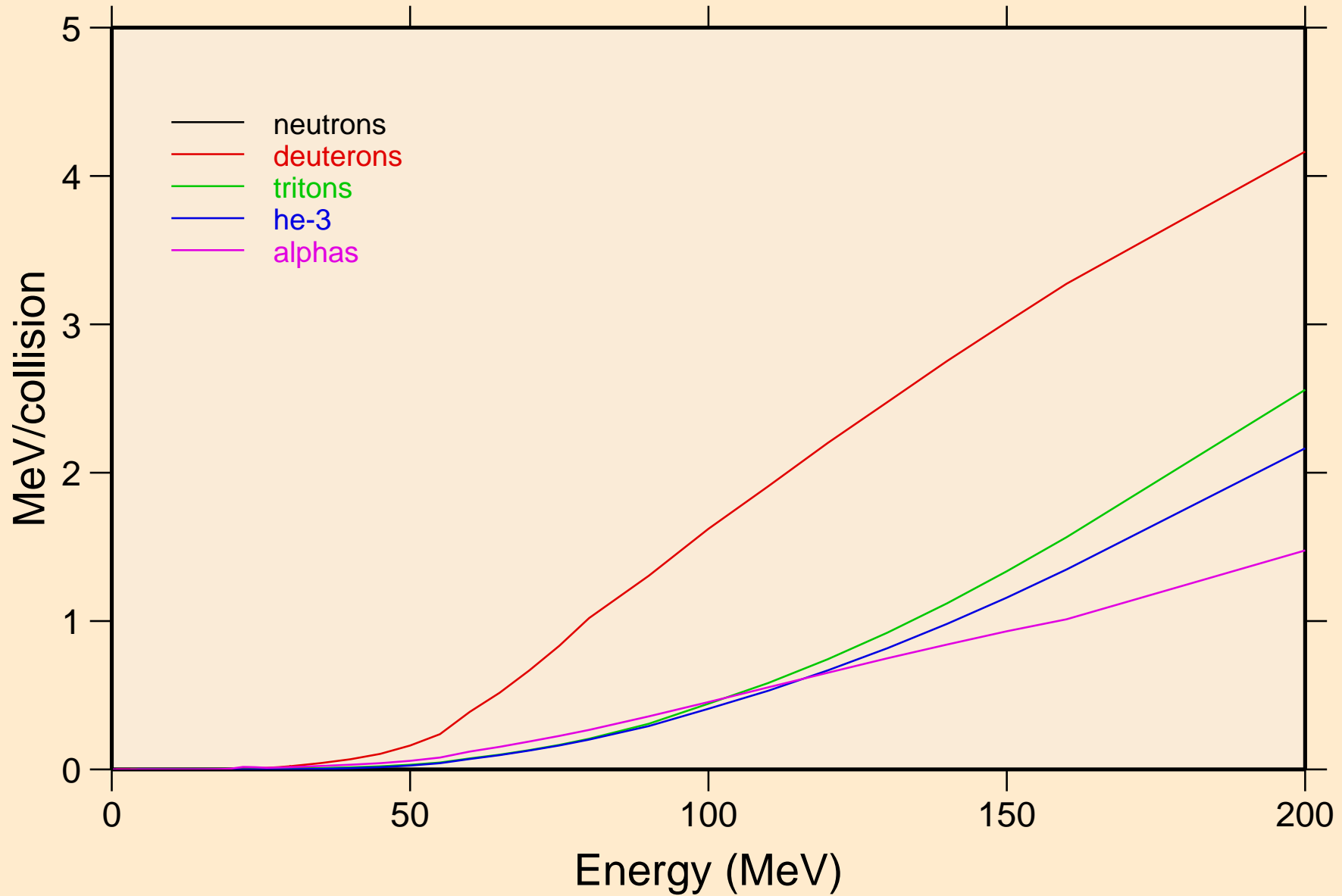


HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,da)

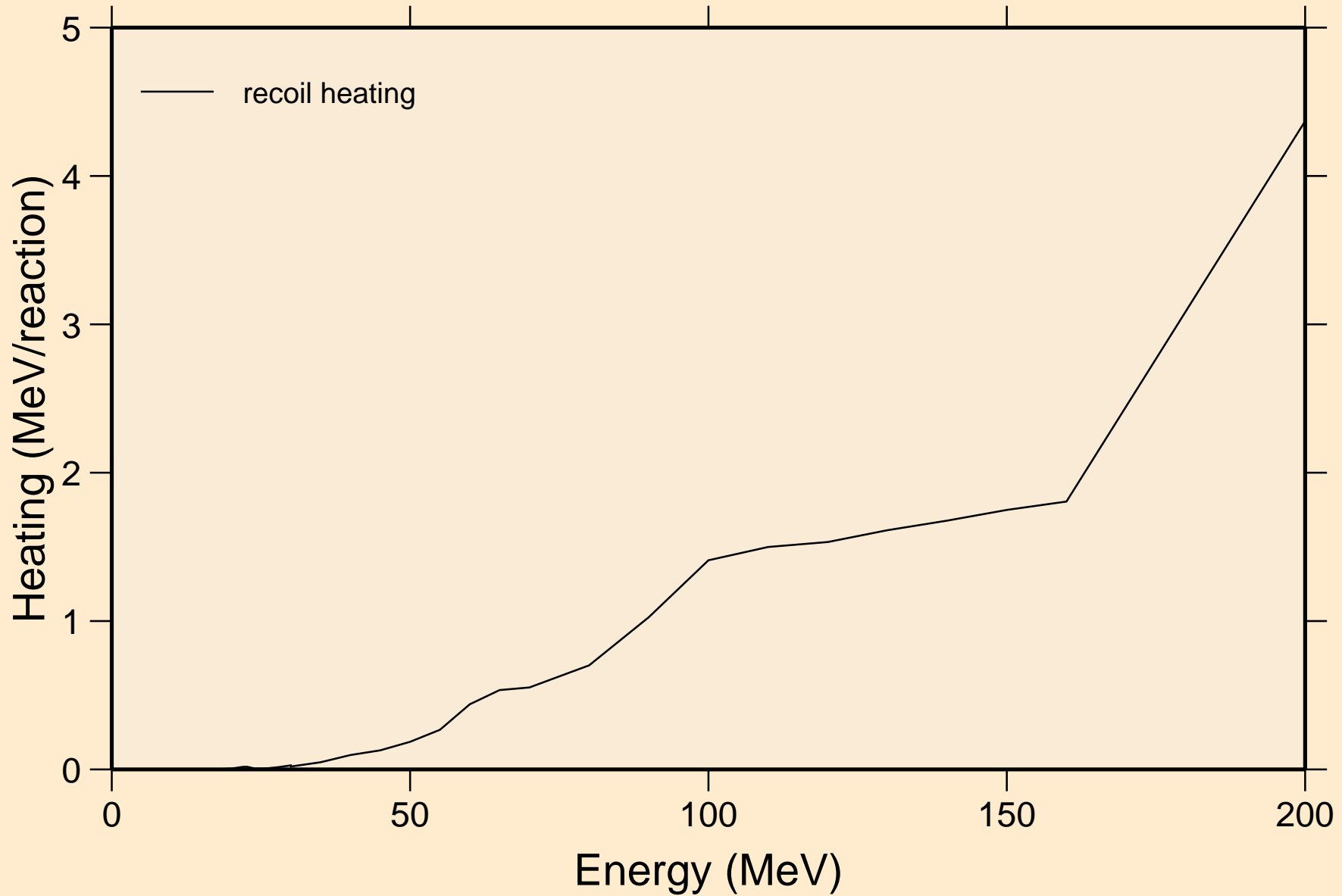


# HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K

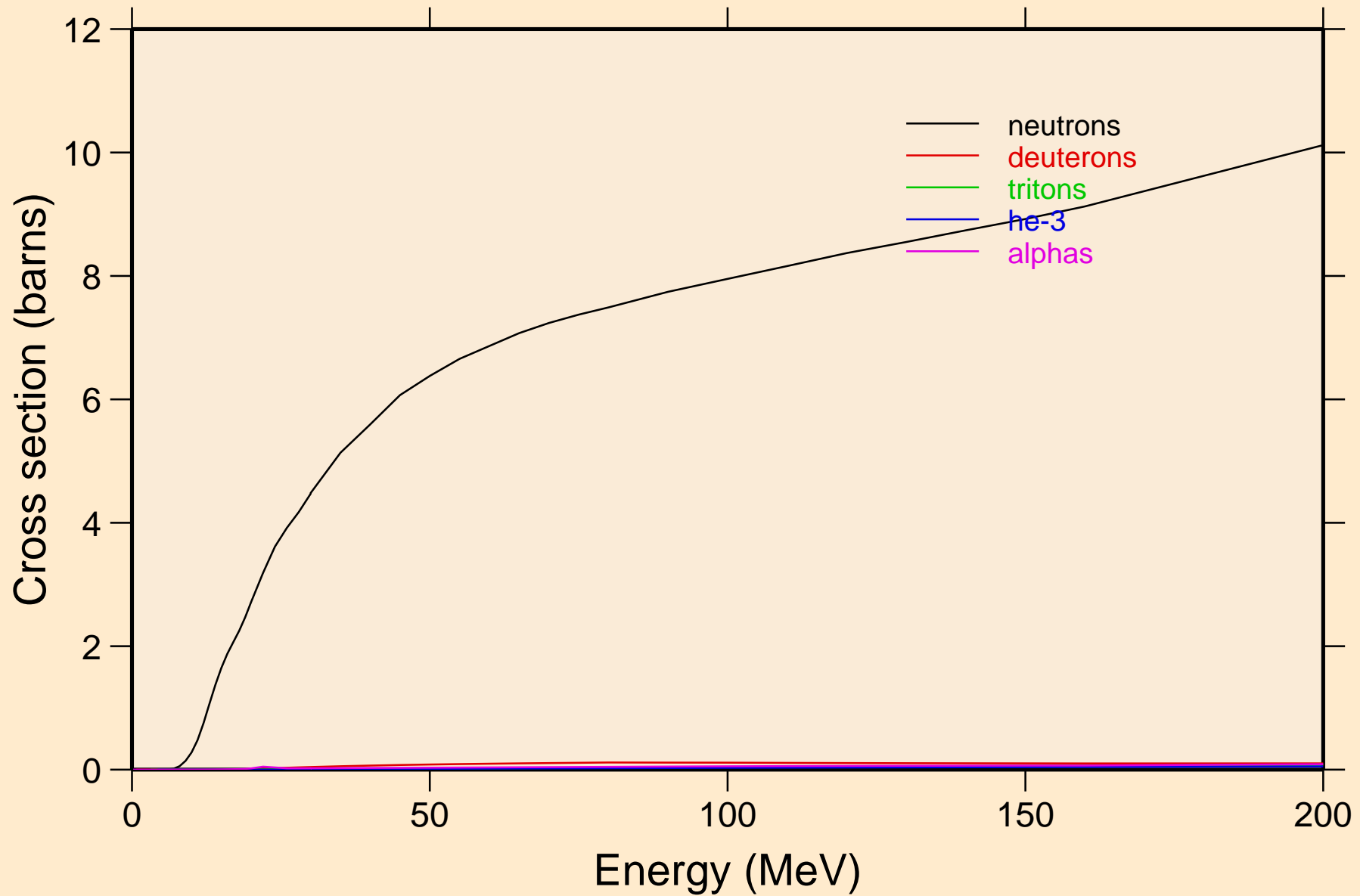
## Particle heating contributions



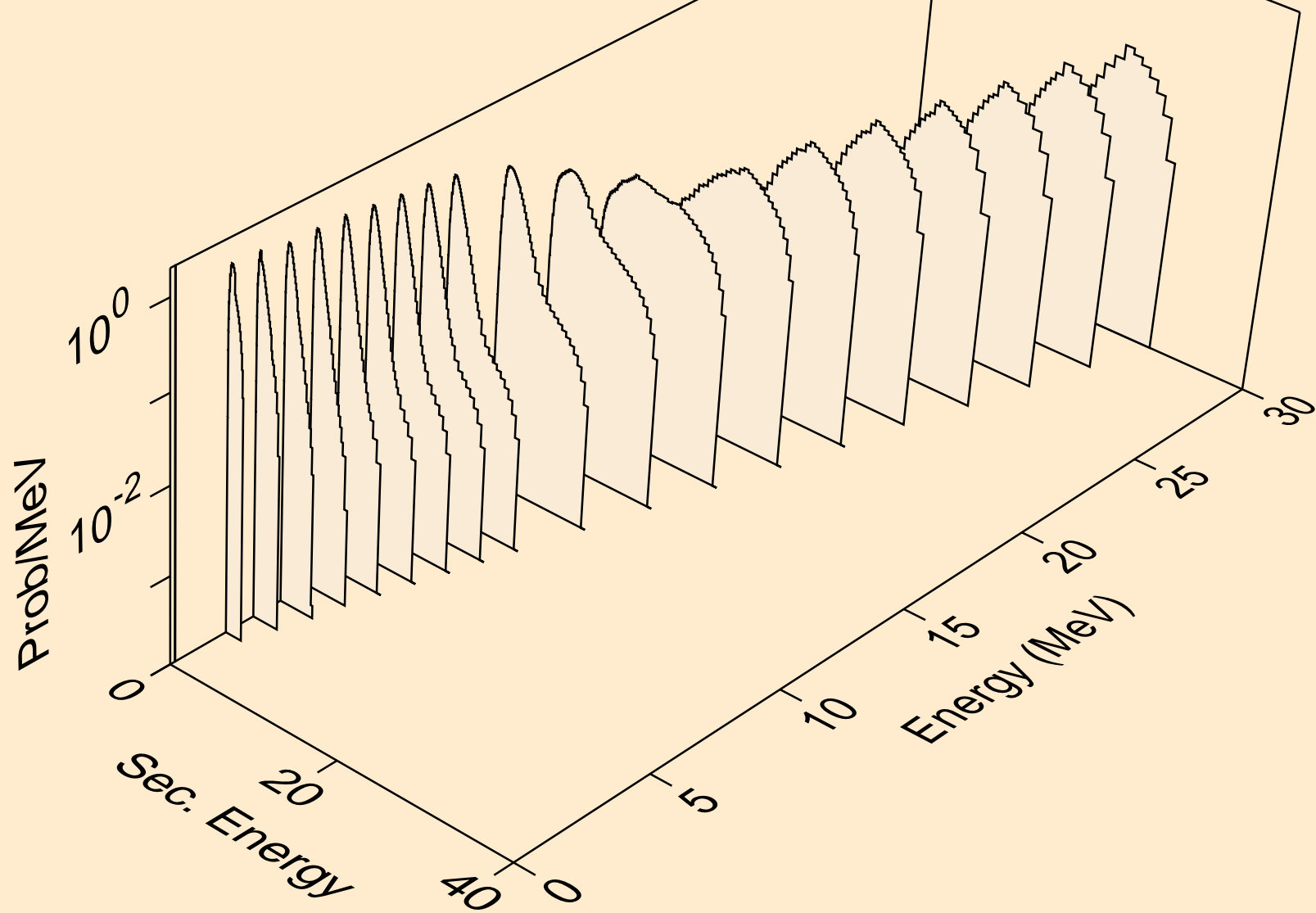
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Recoil Heating



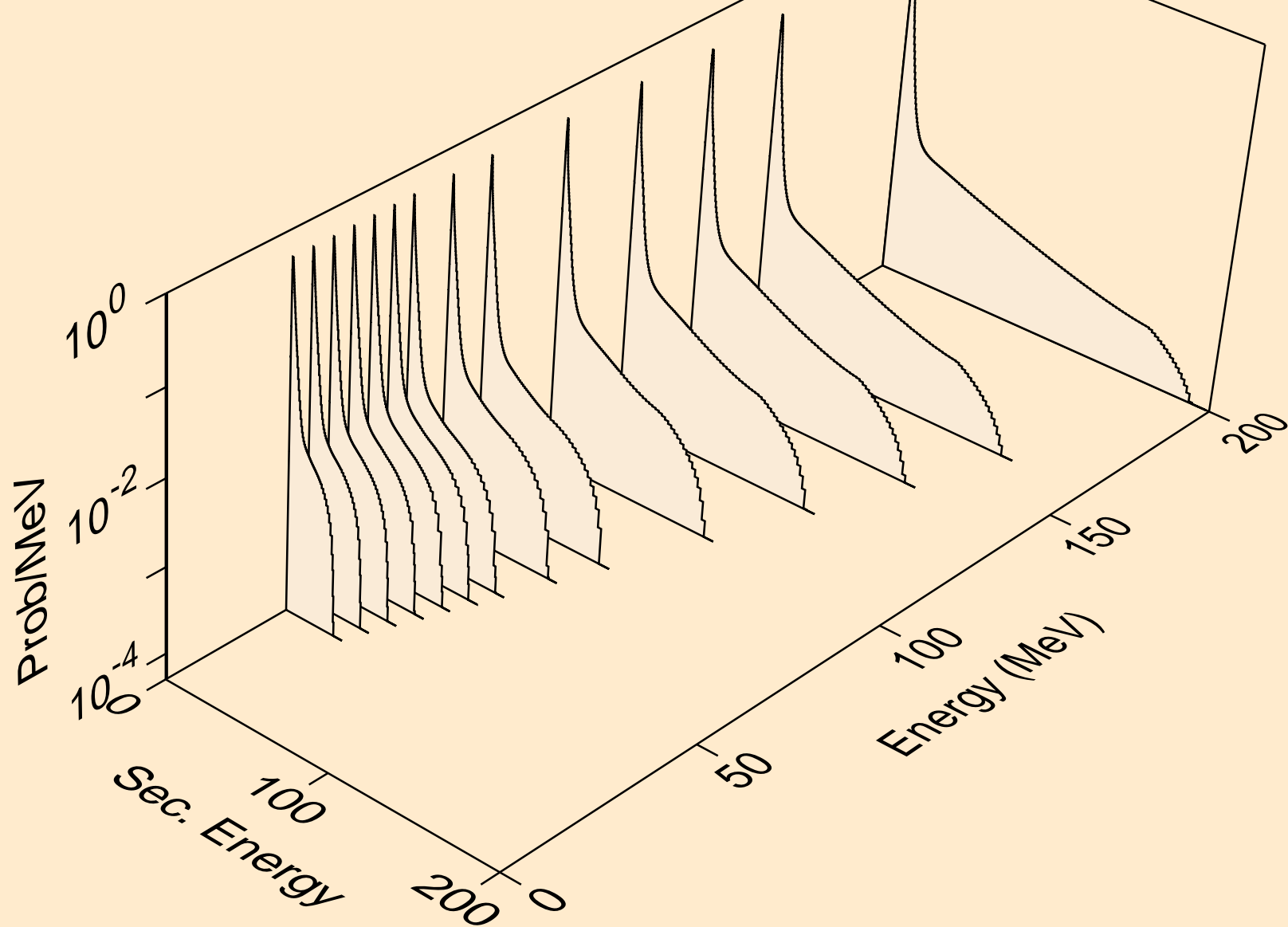
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Particle production cross sections



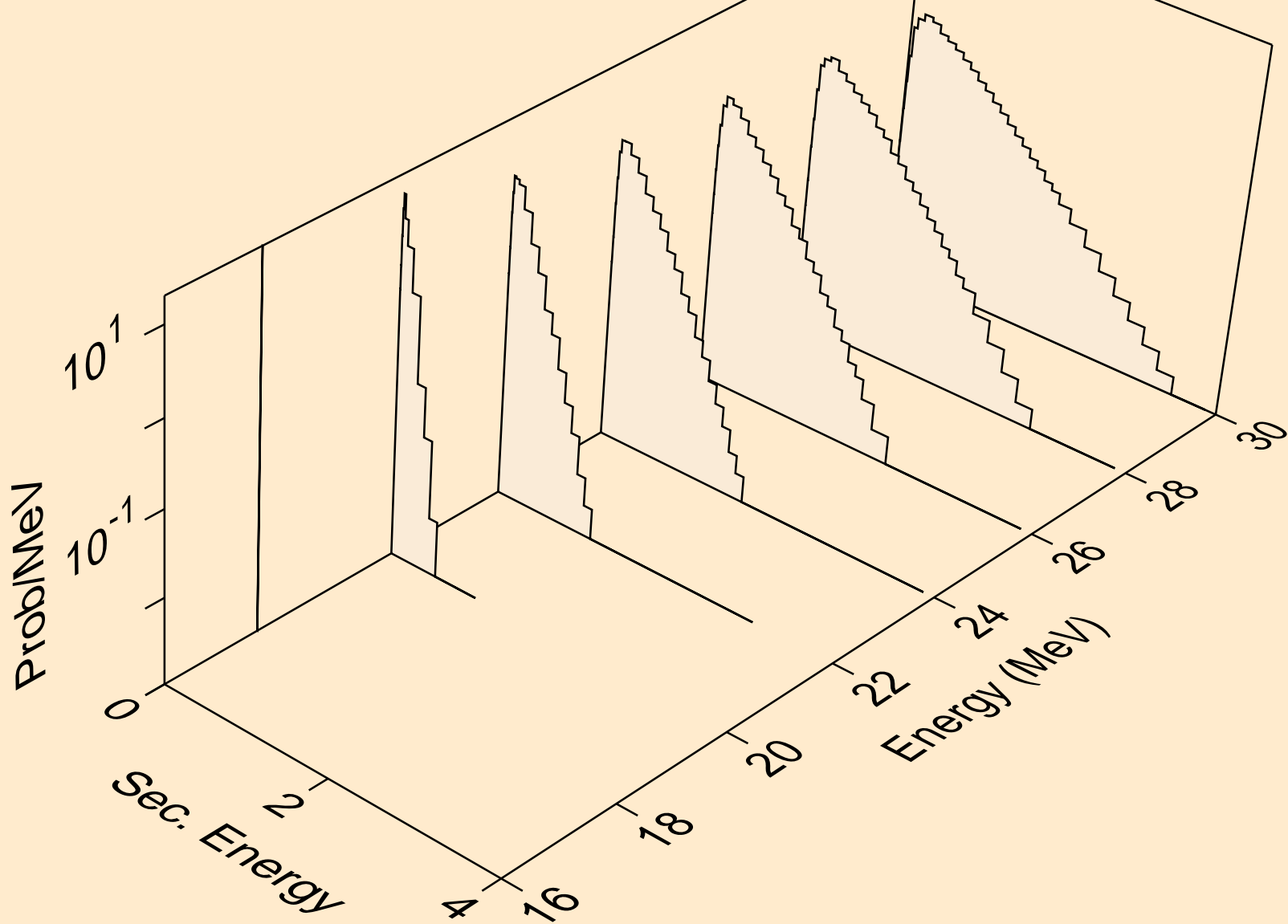
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n)



HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,x)

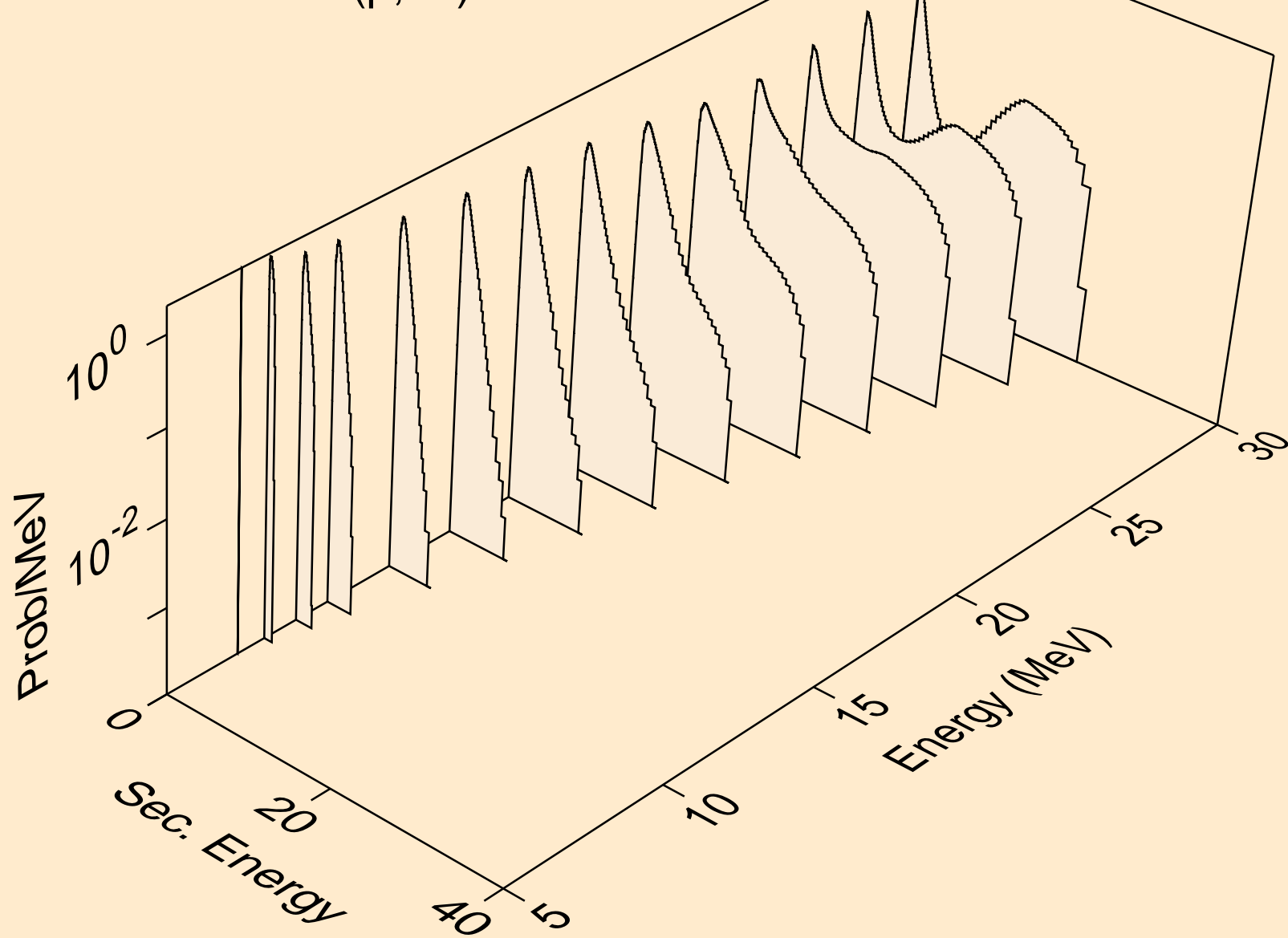


HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2nd)

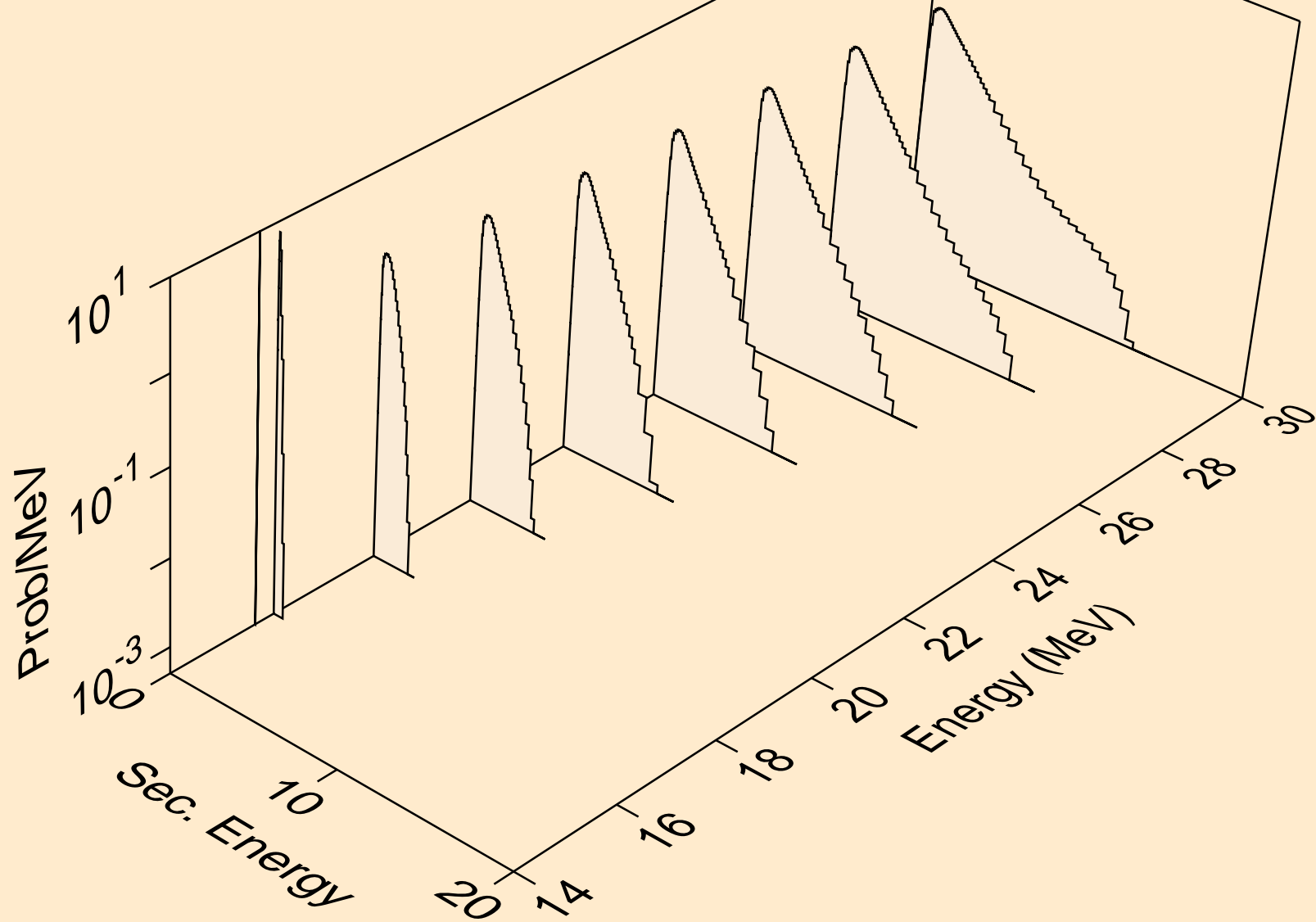




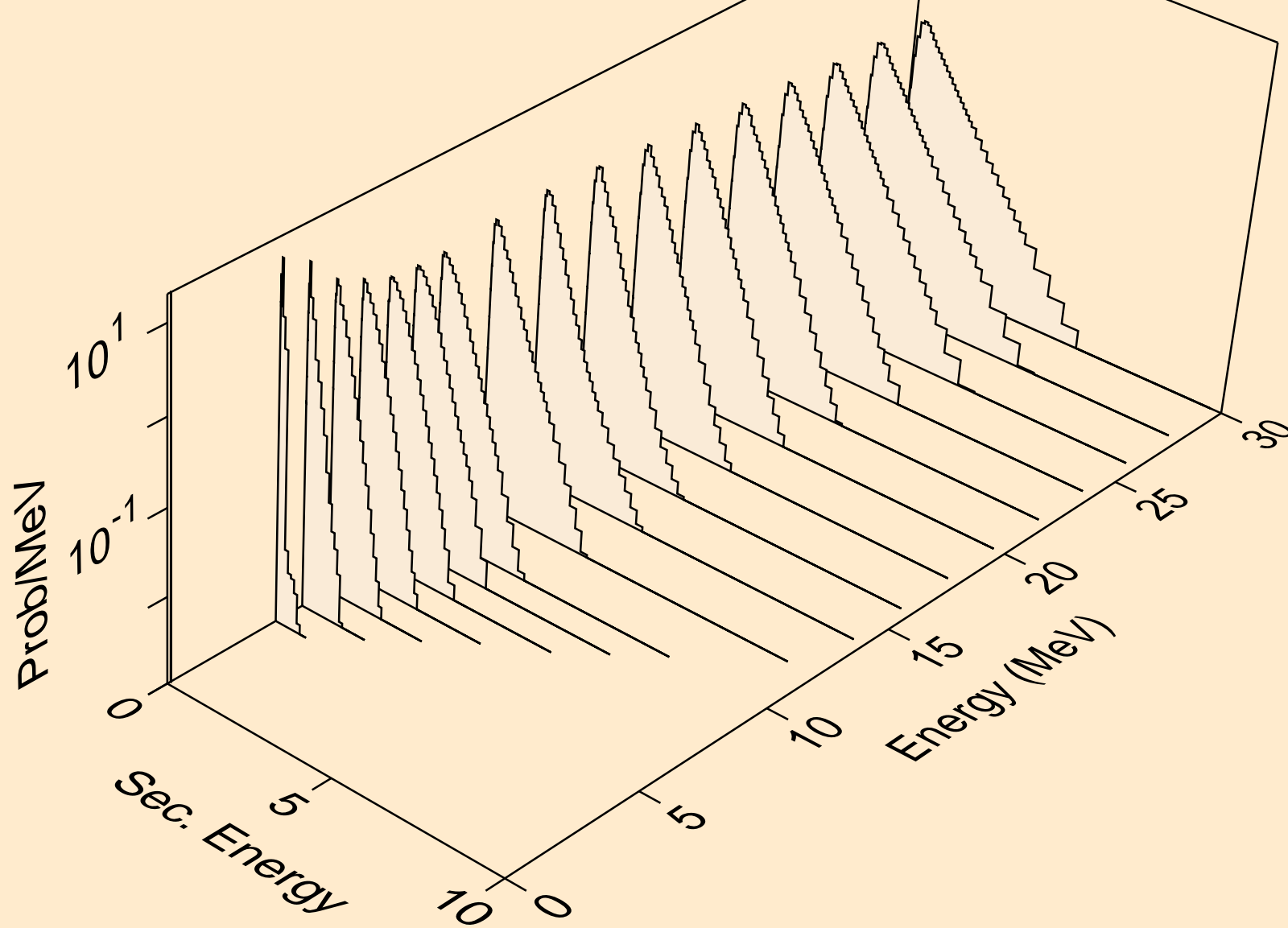
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2n)



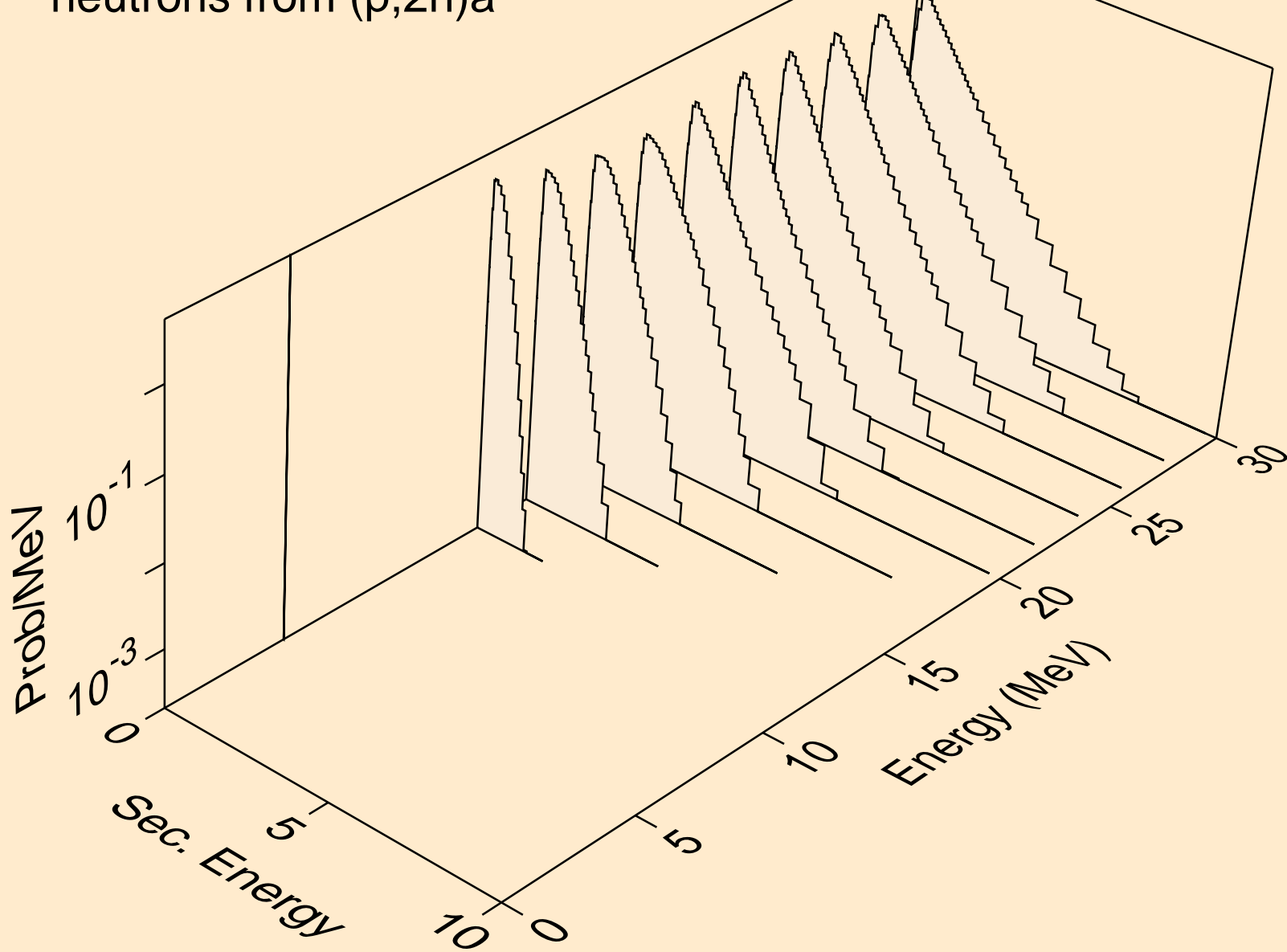
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,3n)



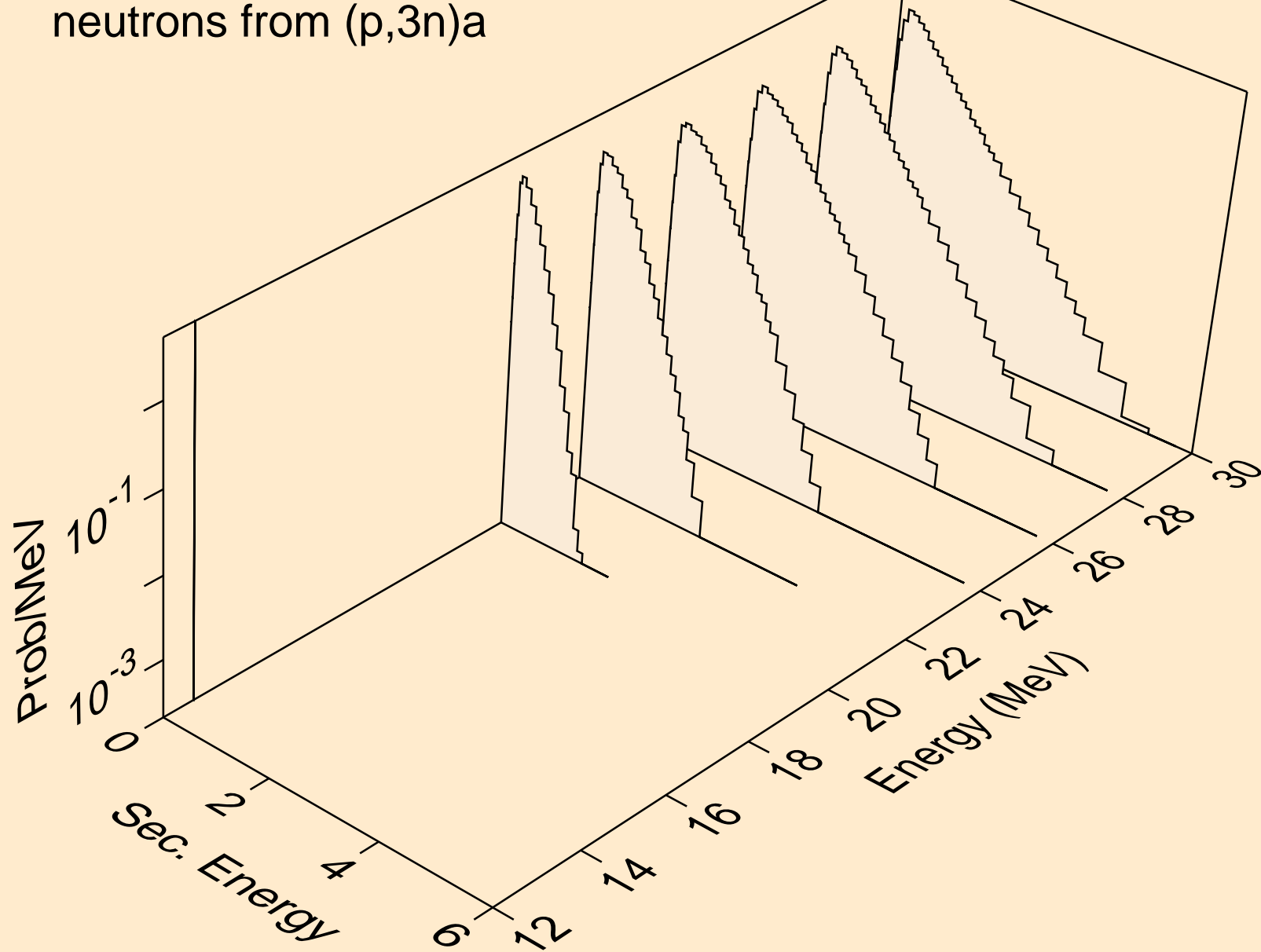
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)a



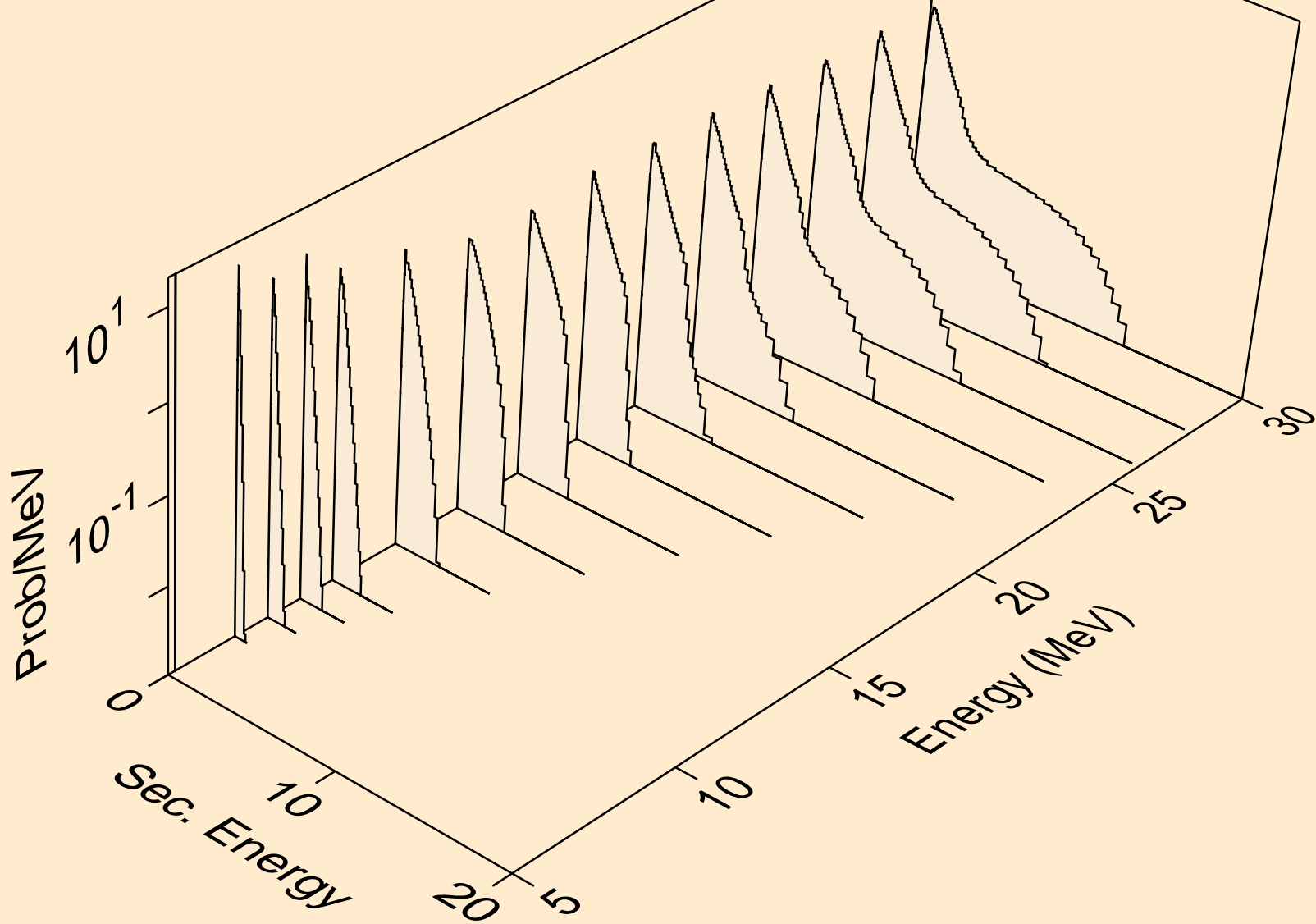
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neutrons from (p,2n)a



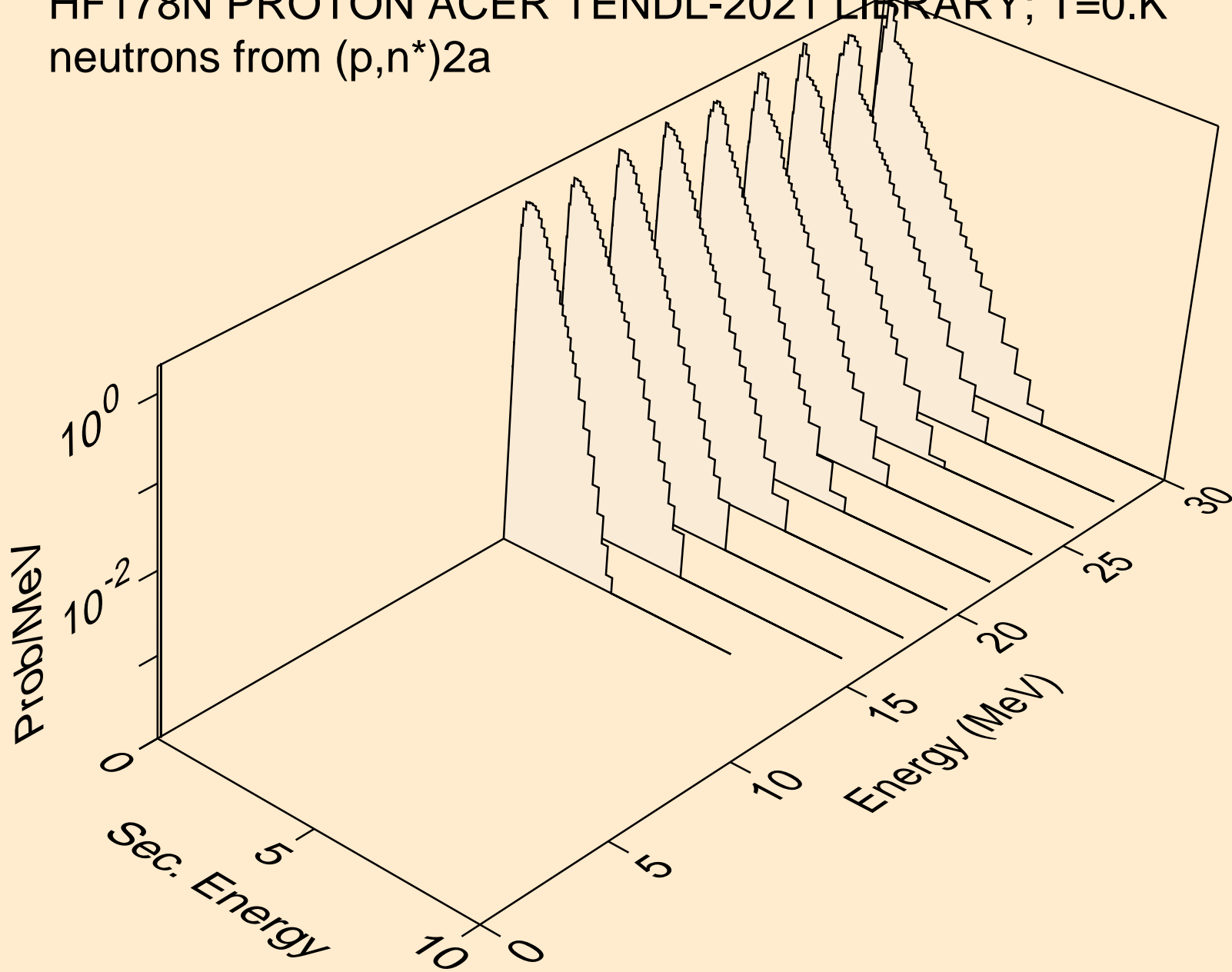
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neutrons from (p,3n)a



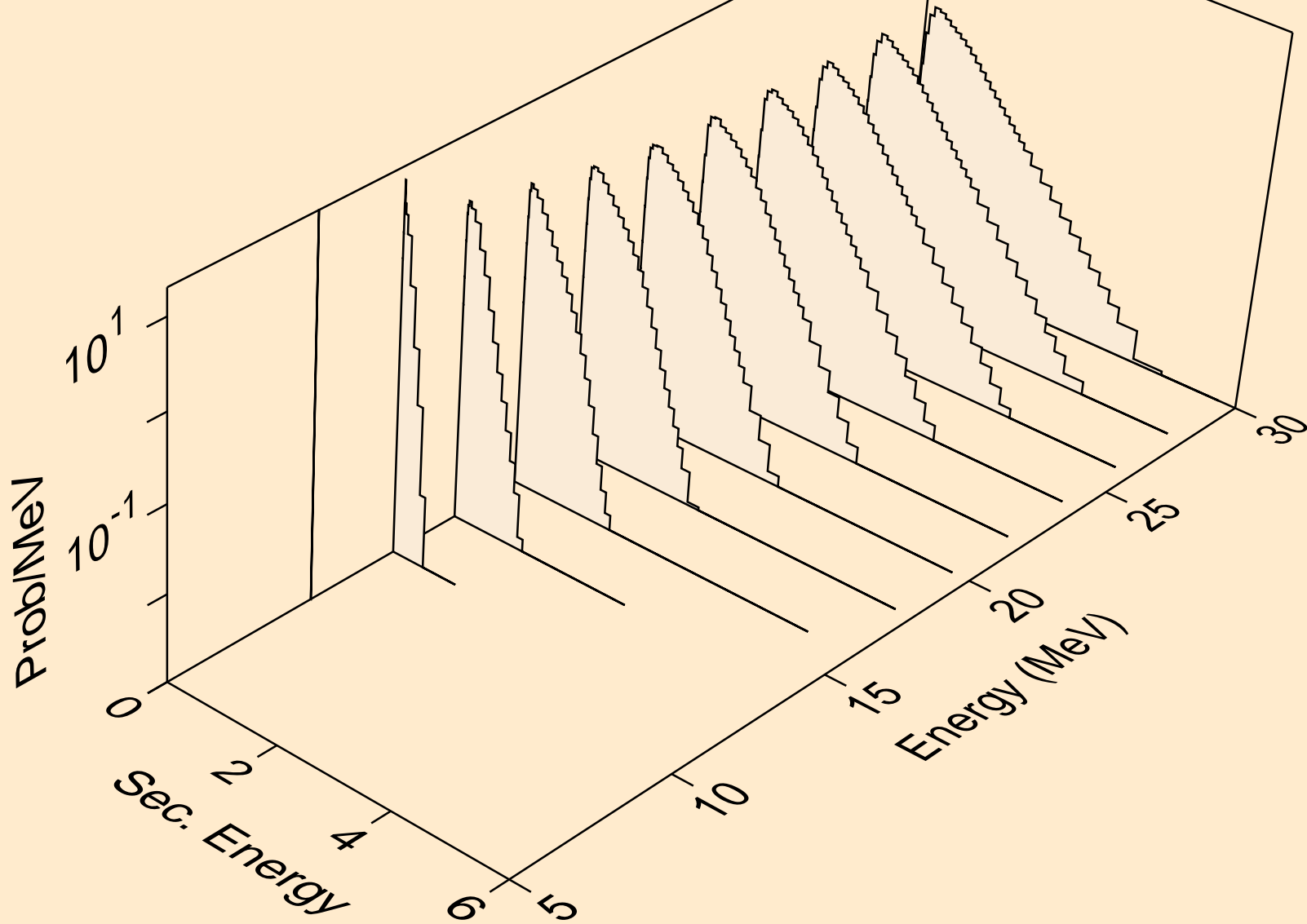
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)p



HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)2a

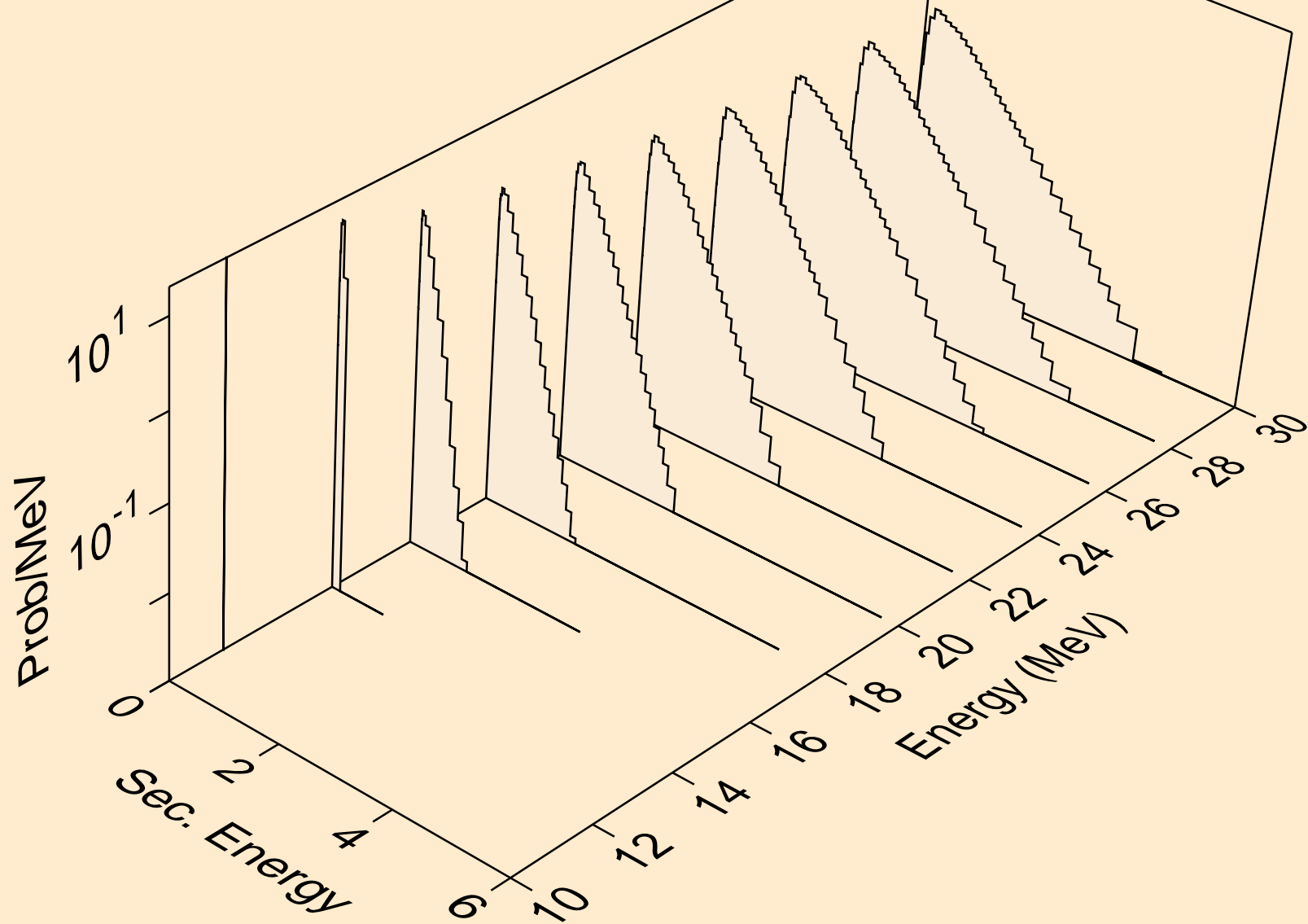


HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)d

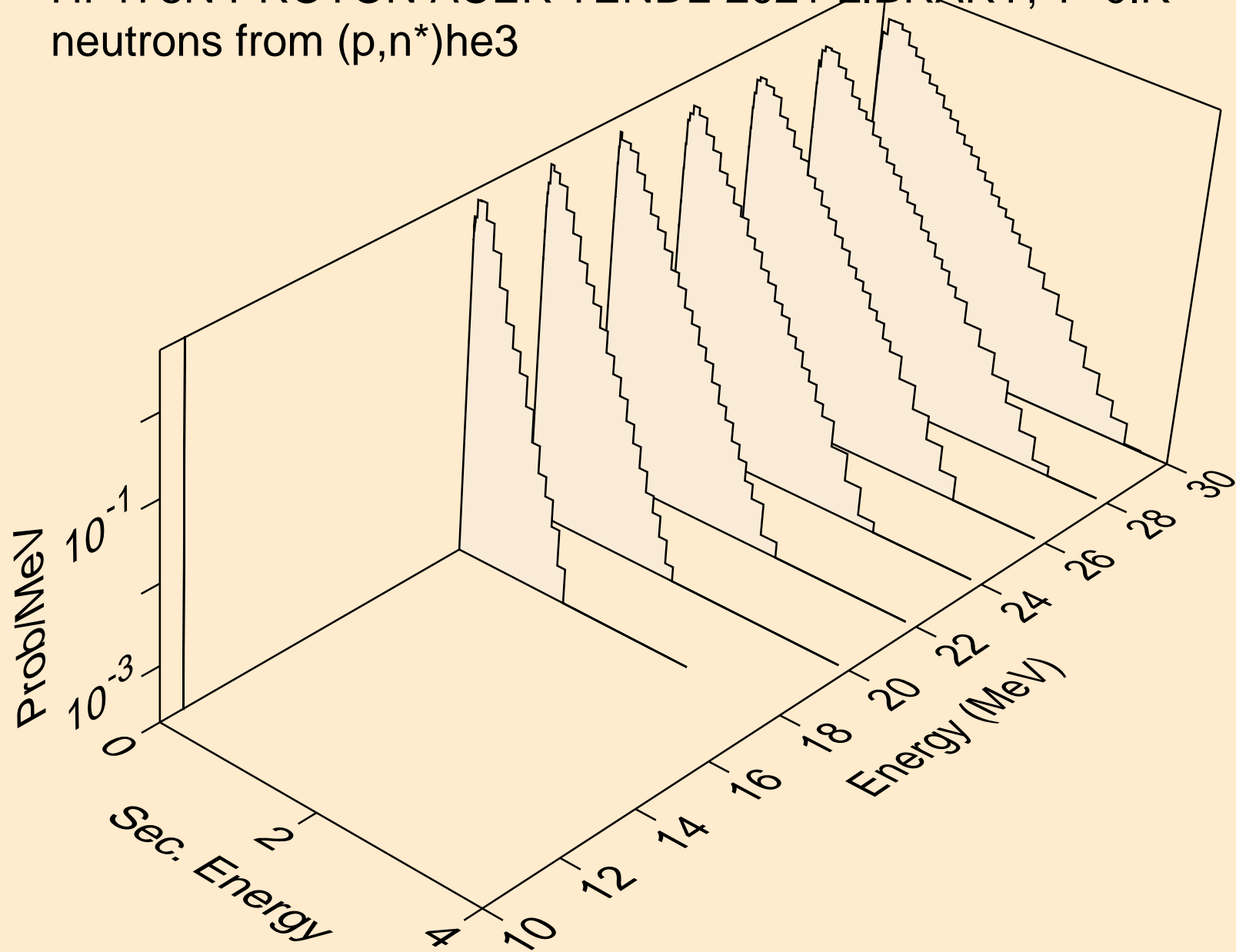




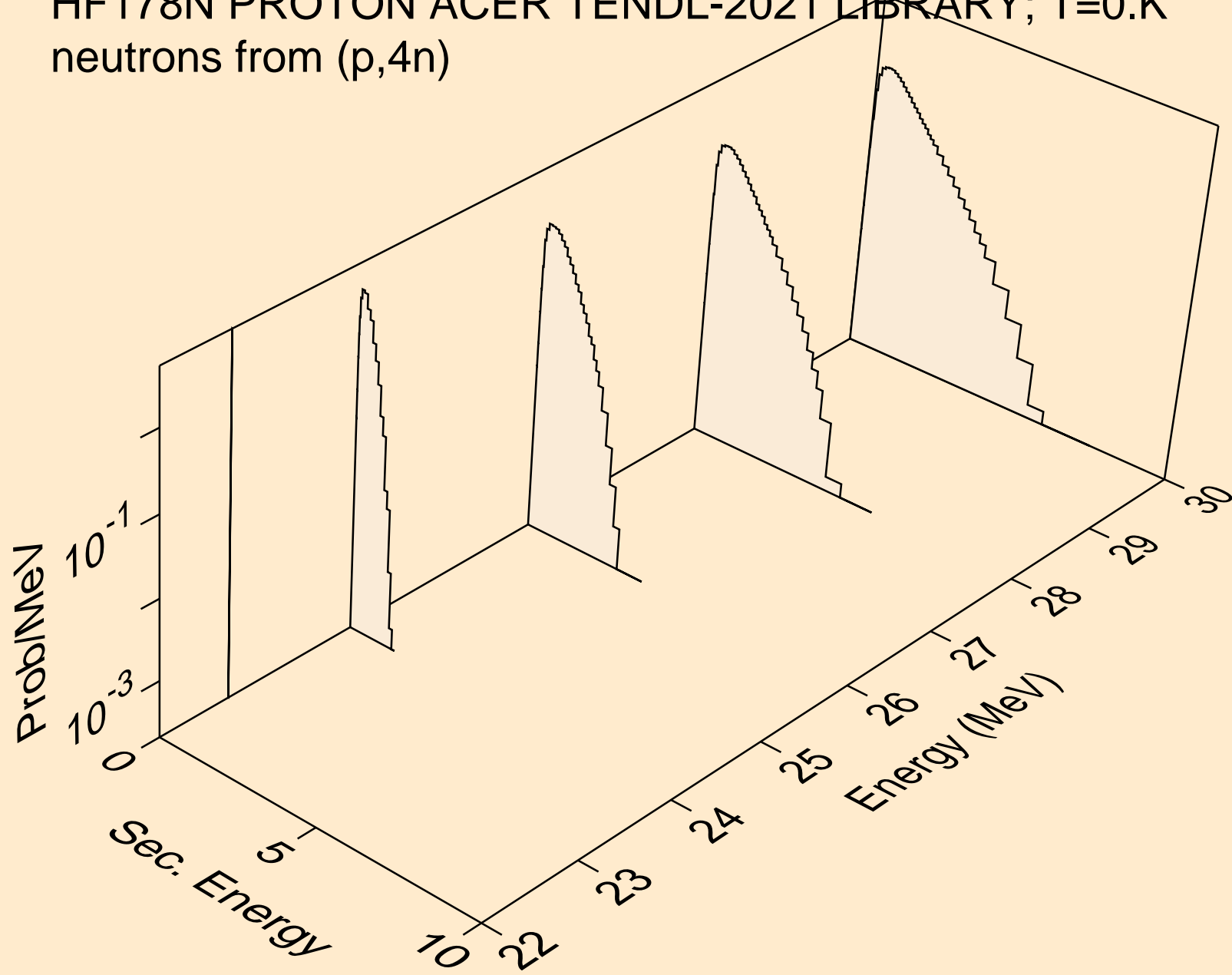
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)t



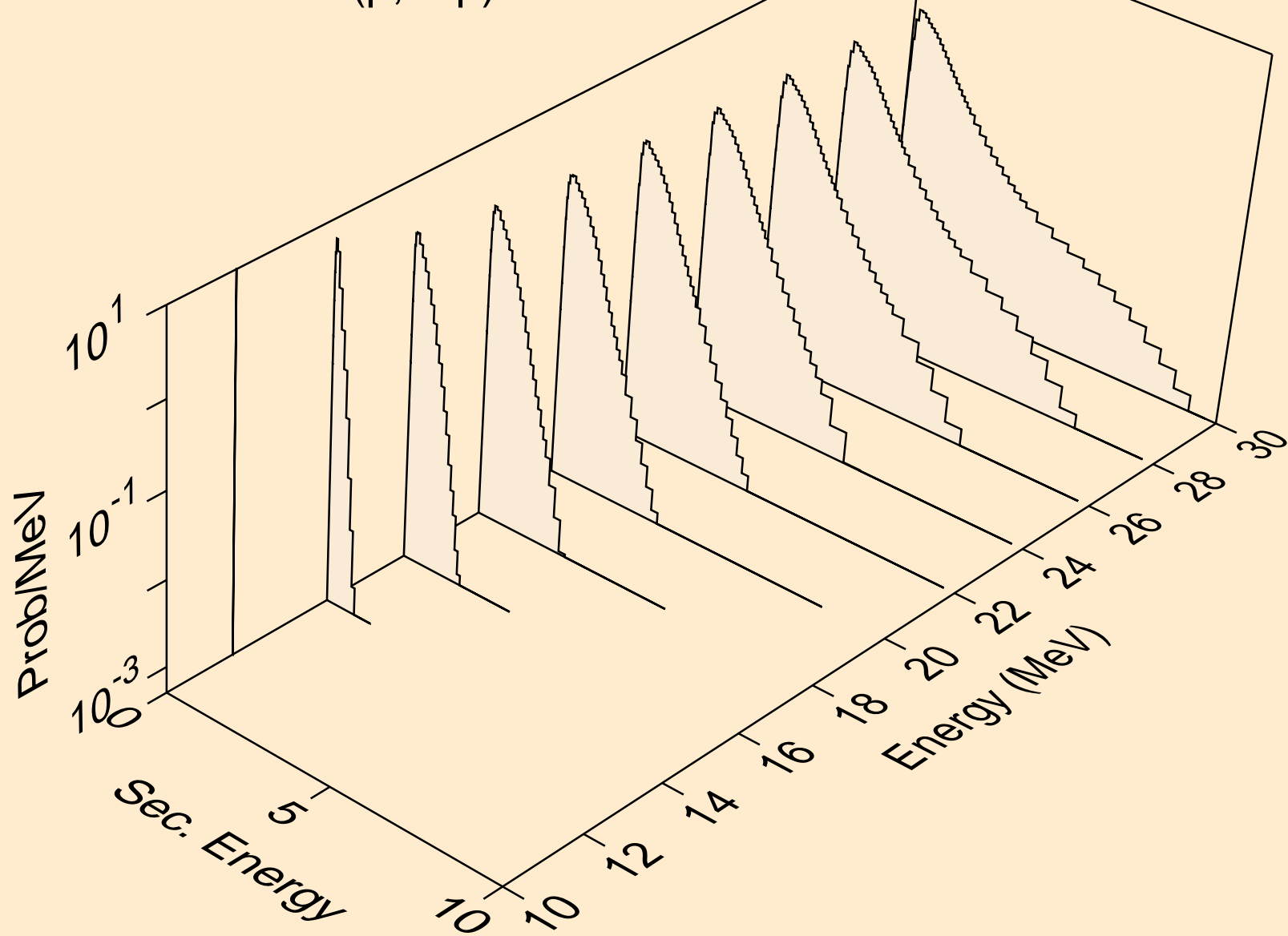
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



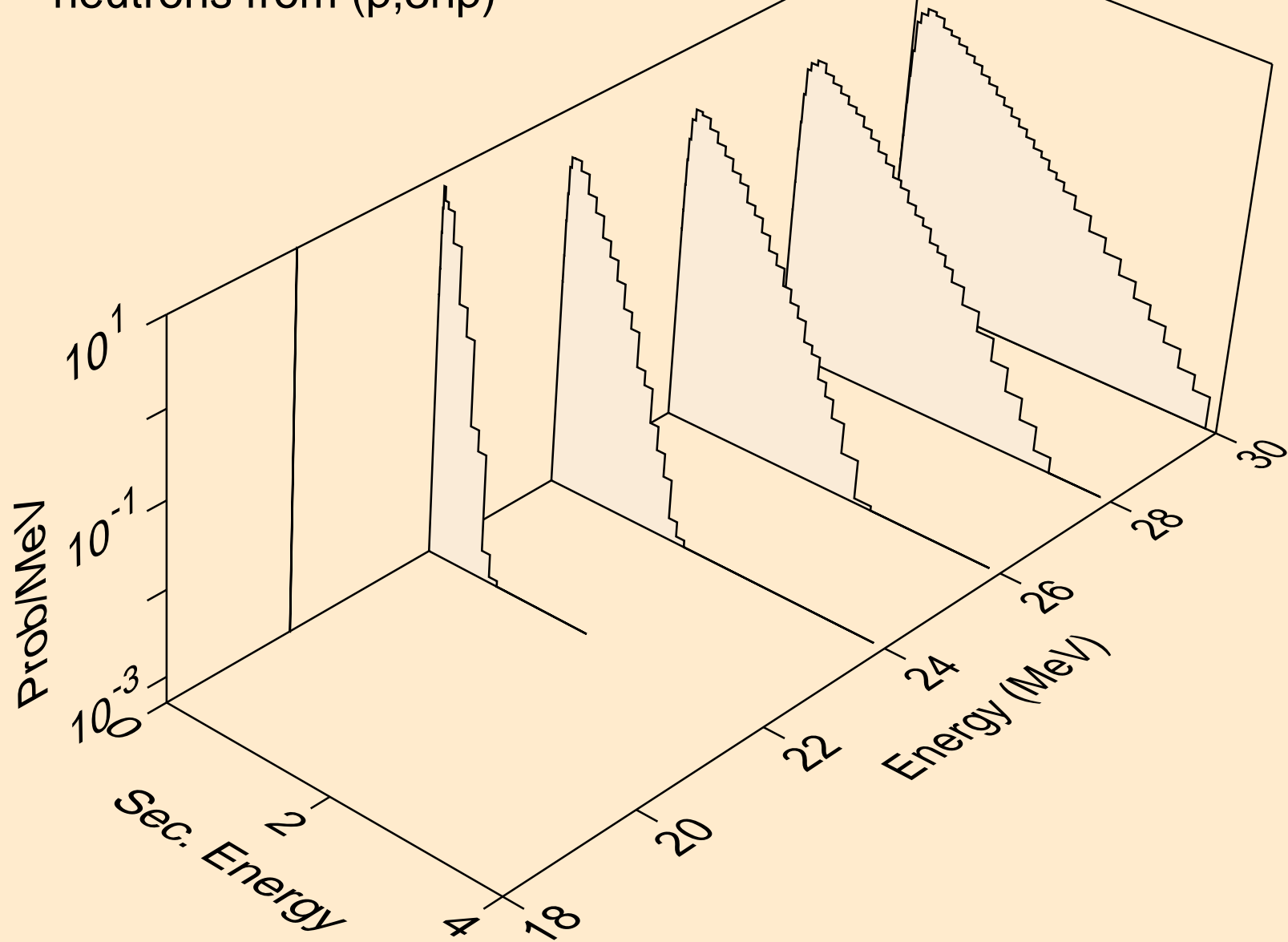
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,4n)



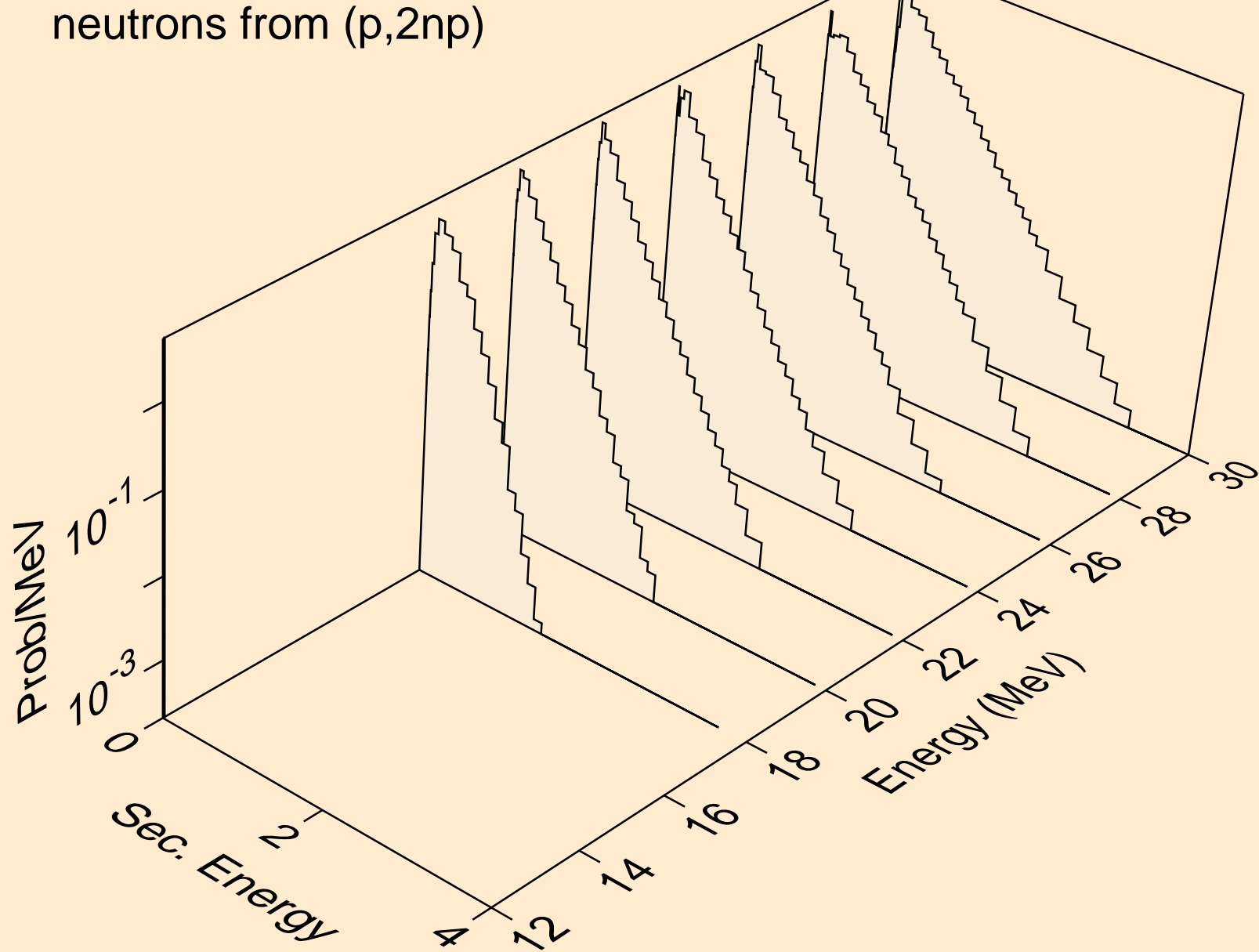
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2np)



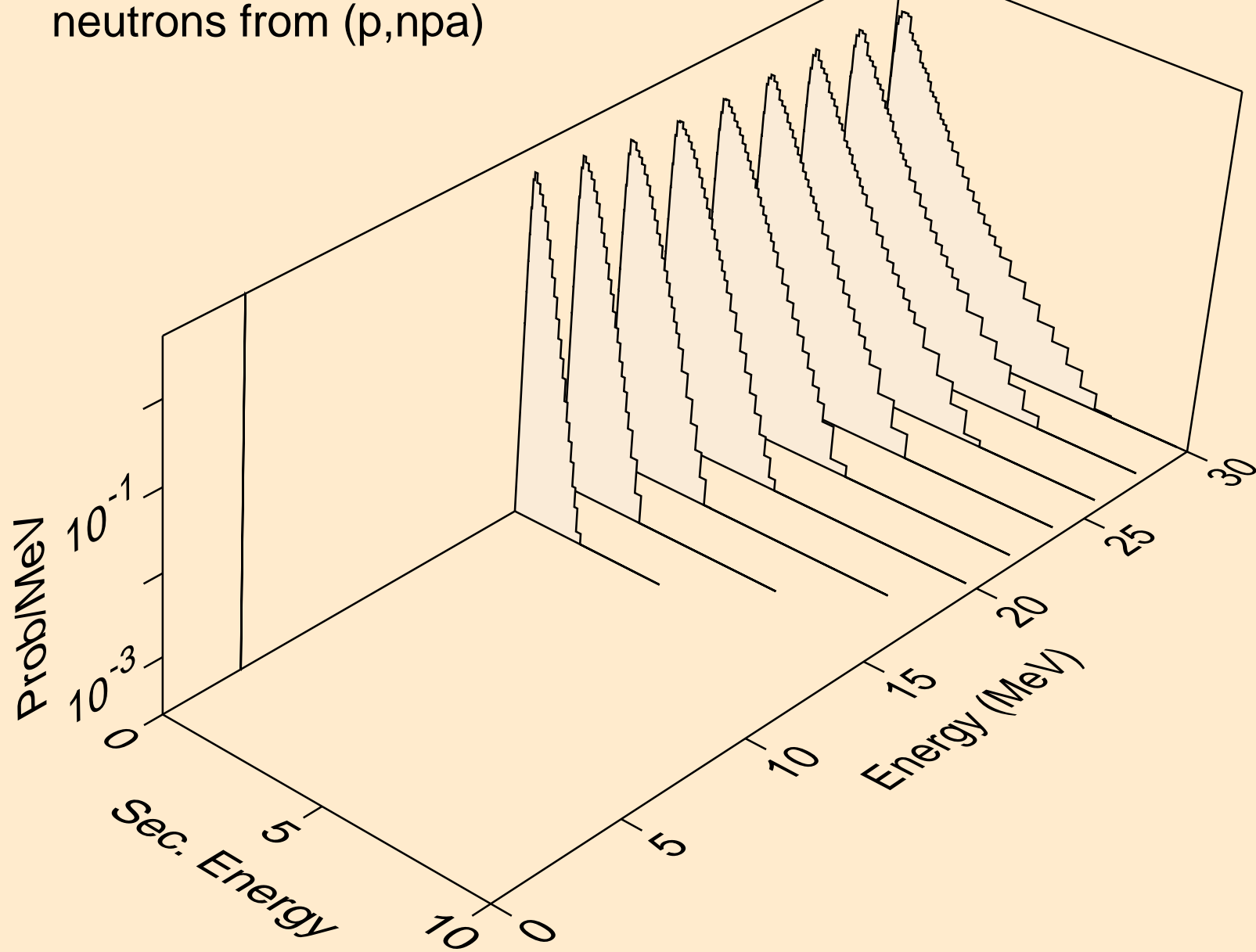
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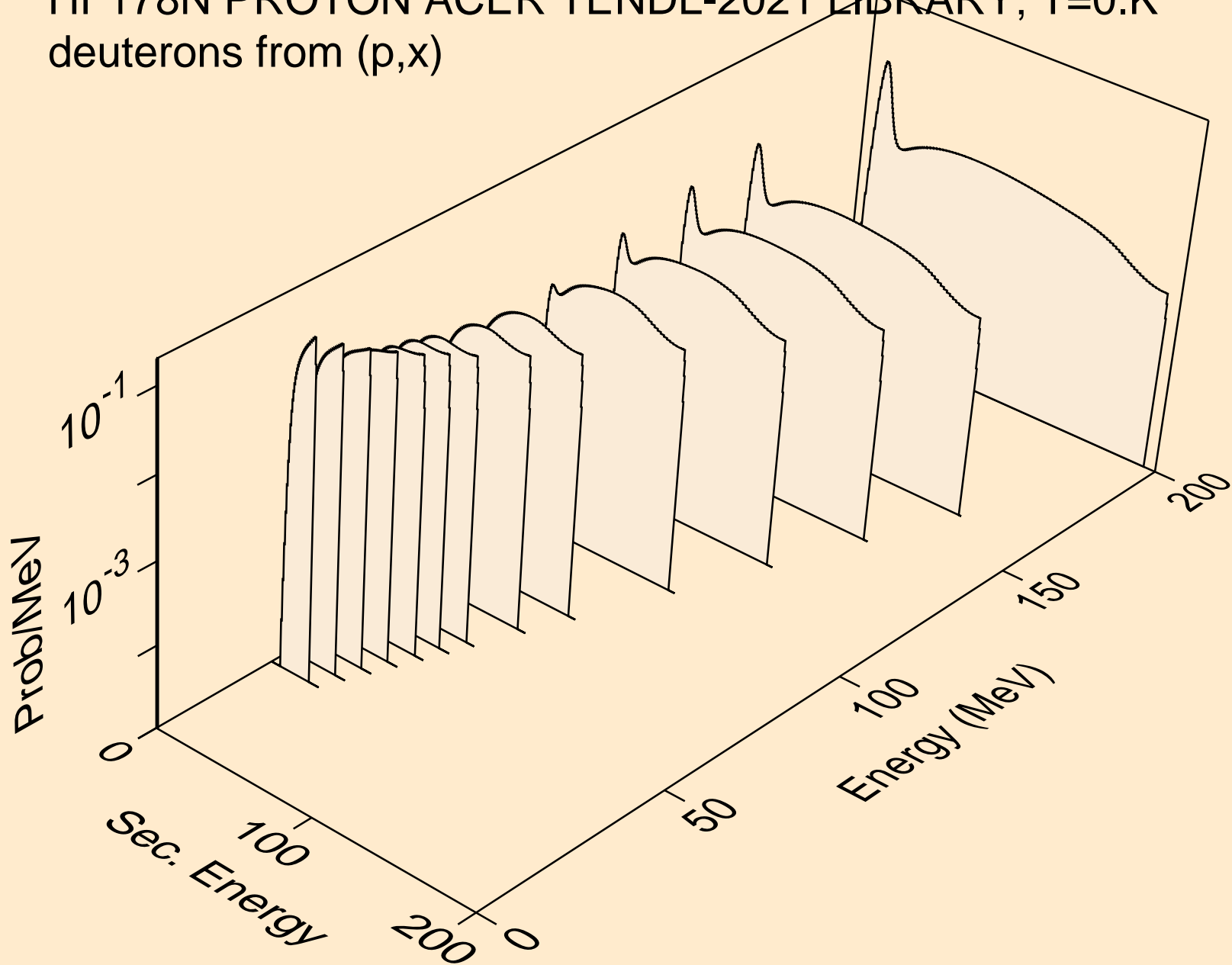
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neutrons from (p,2np)



HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,npa)

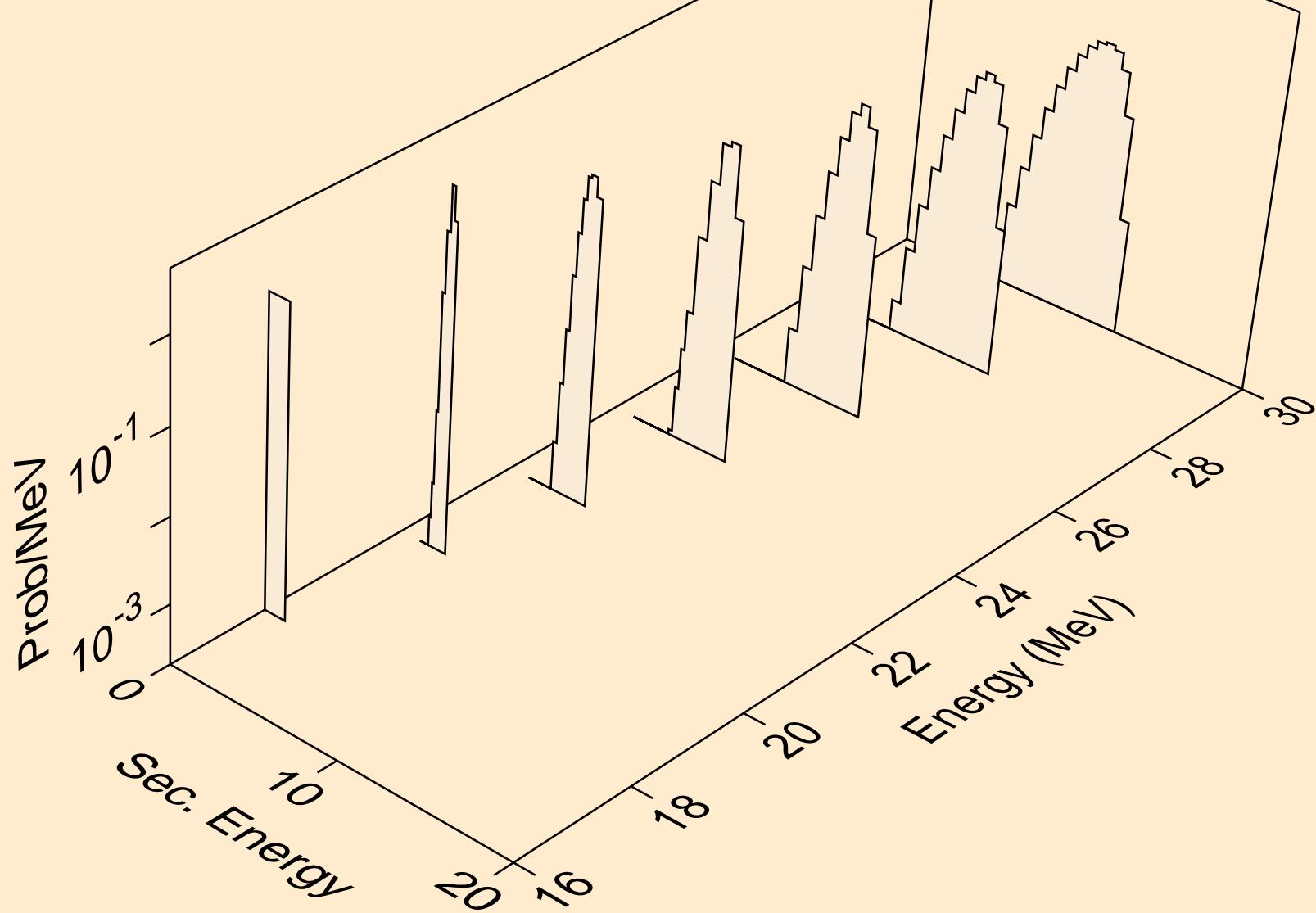


HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,x)

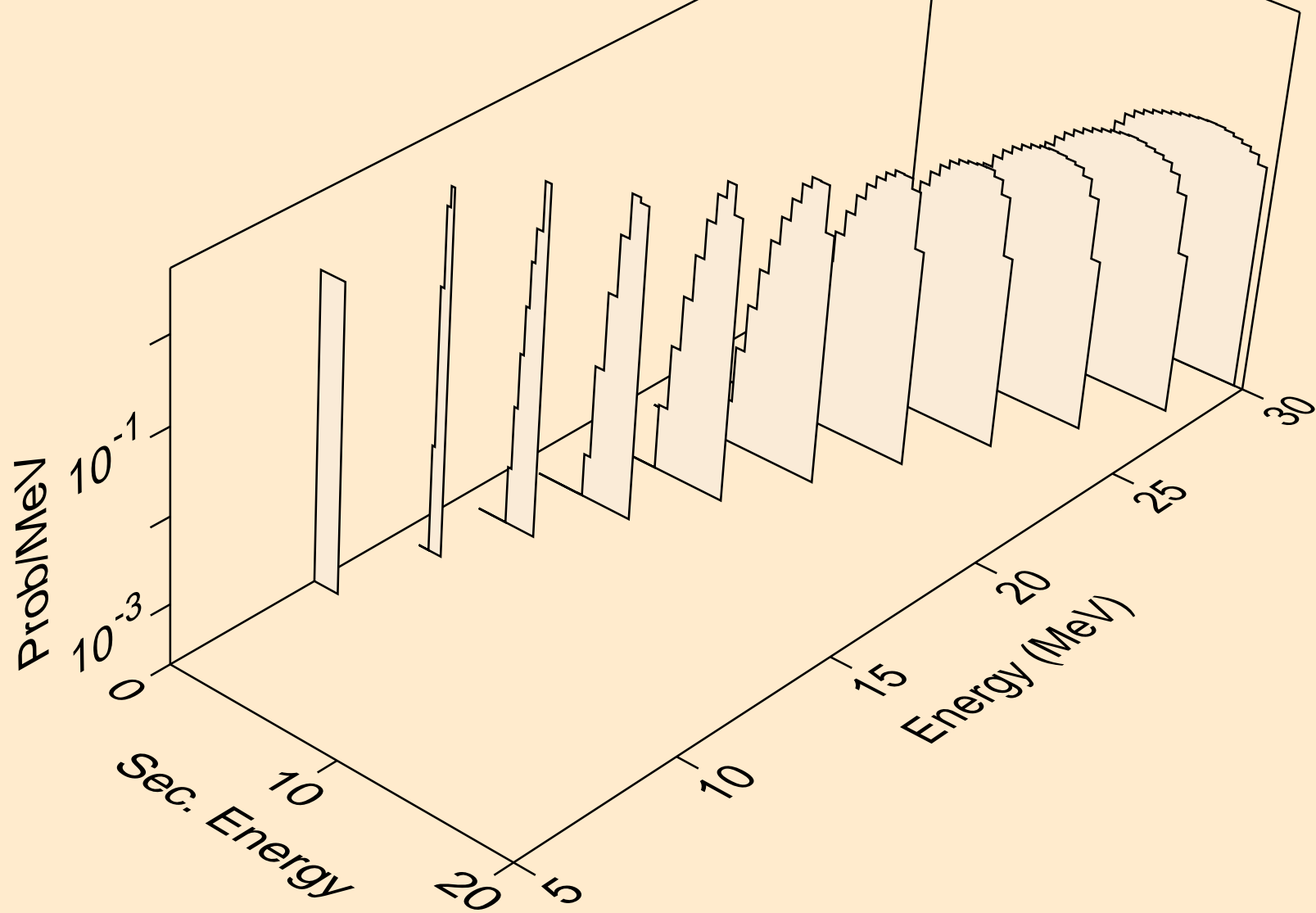




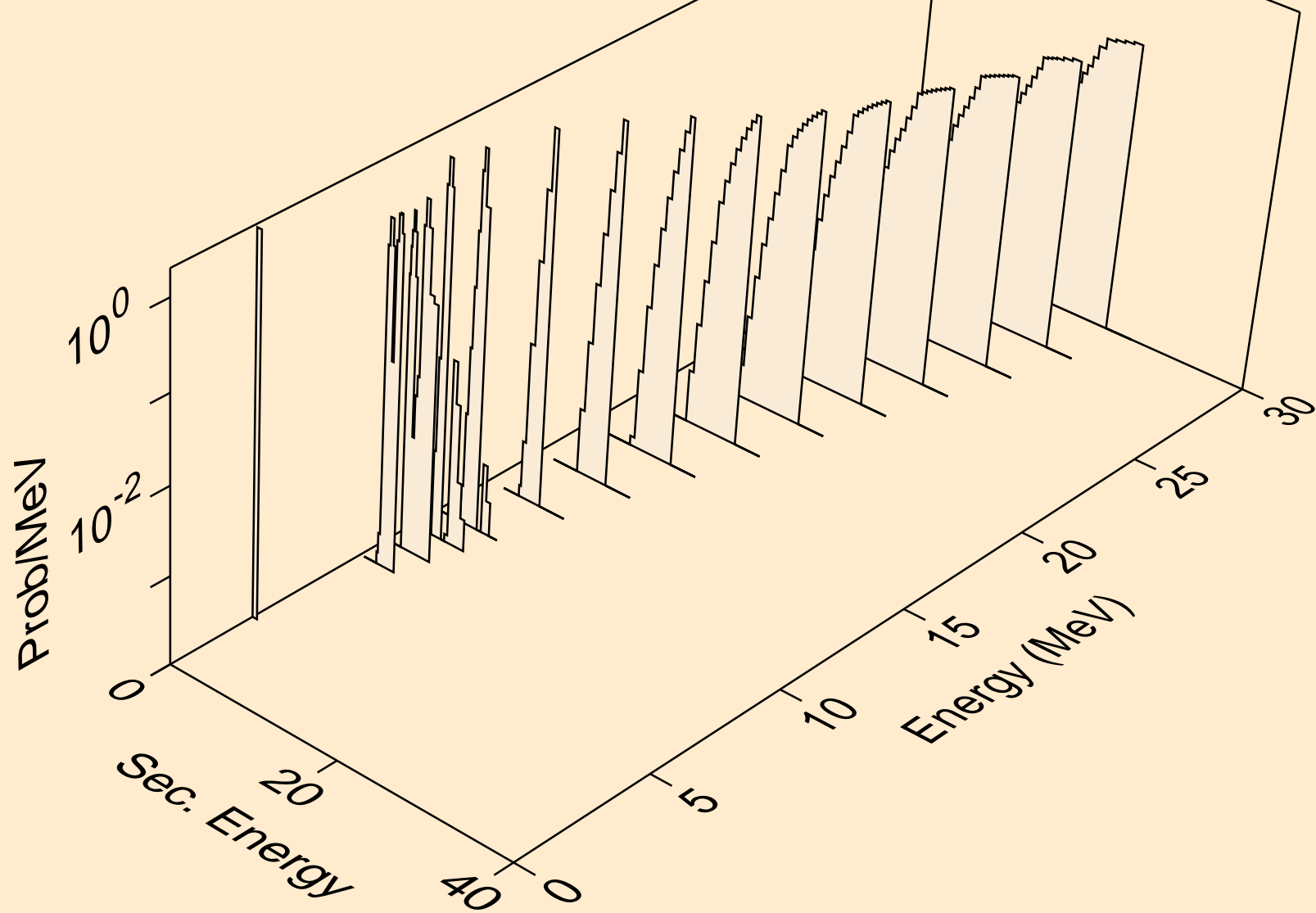
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deuterons from (p,2nd)



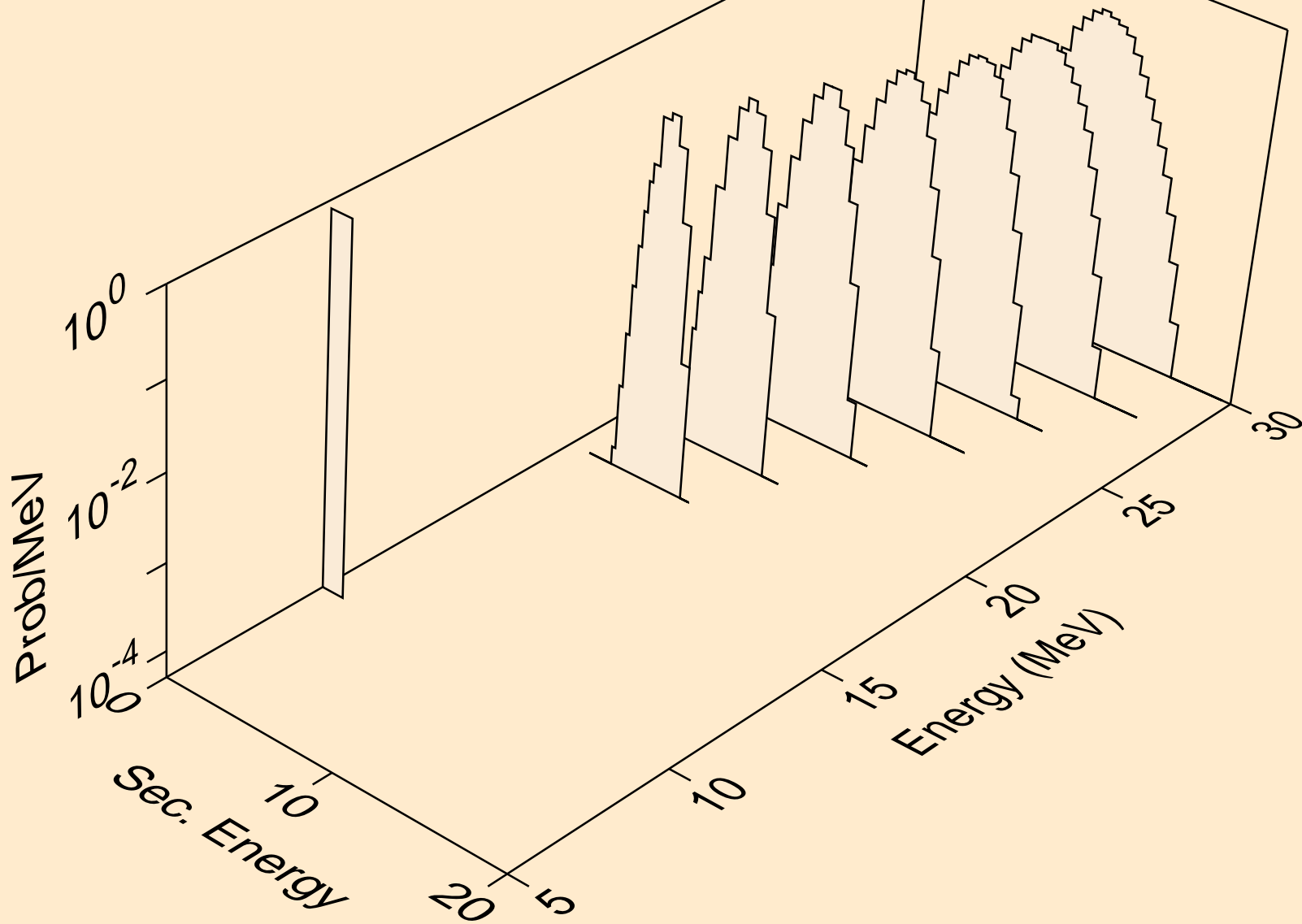
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deuterons from (p,n\*)d



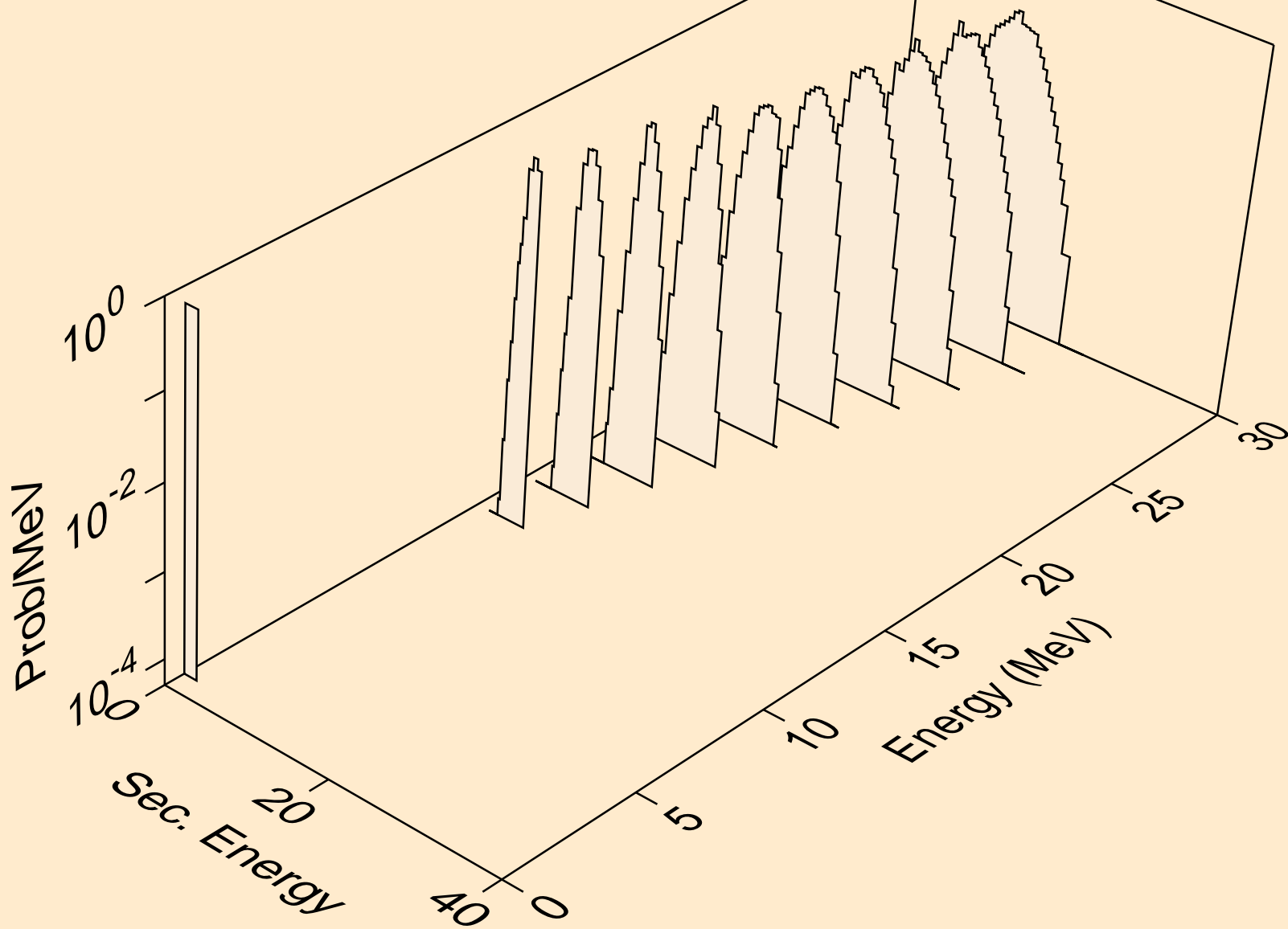
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deuterons from (p,d)



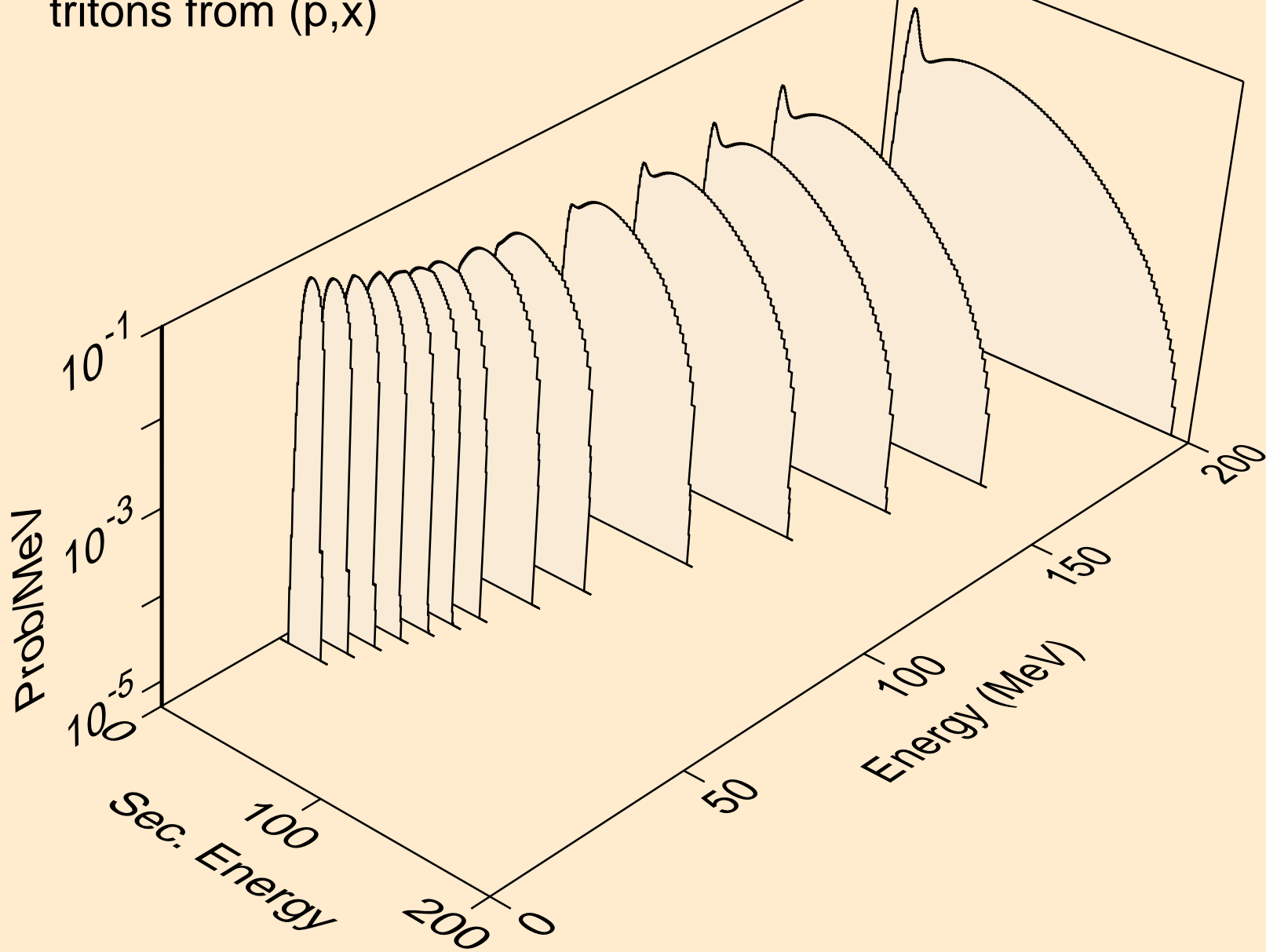
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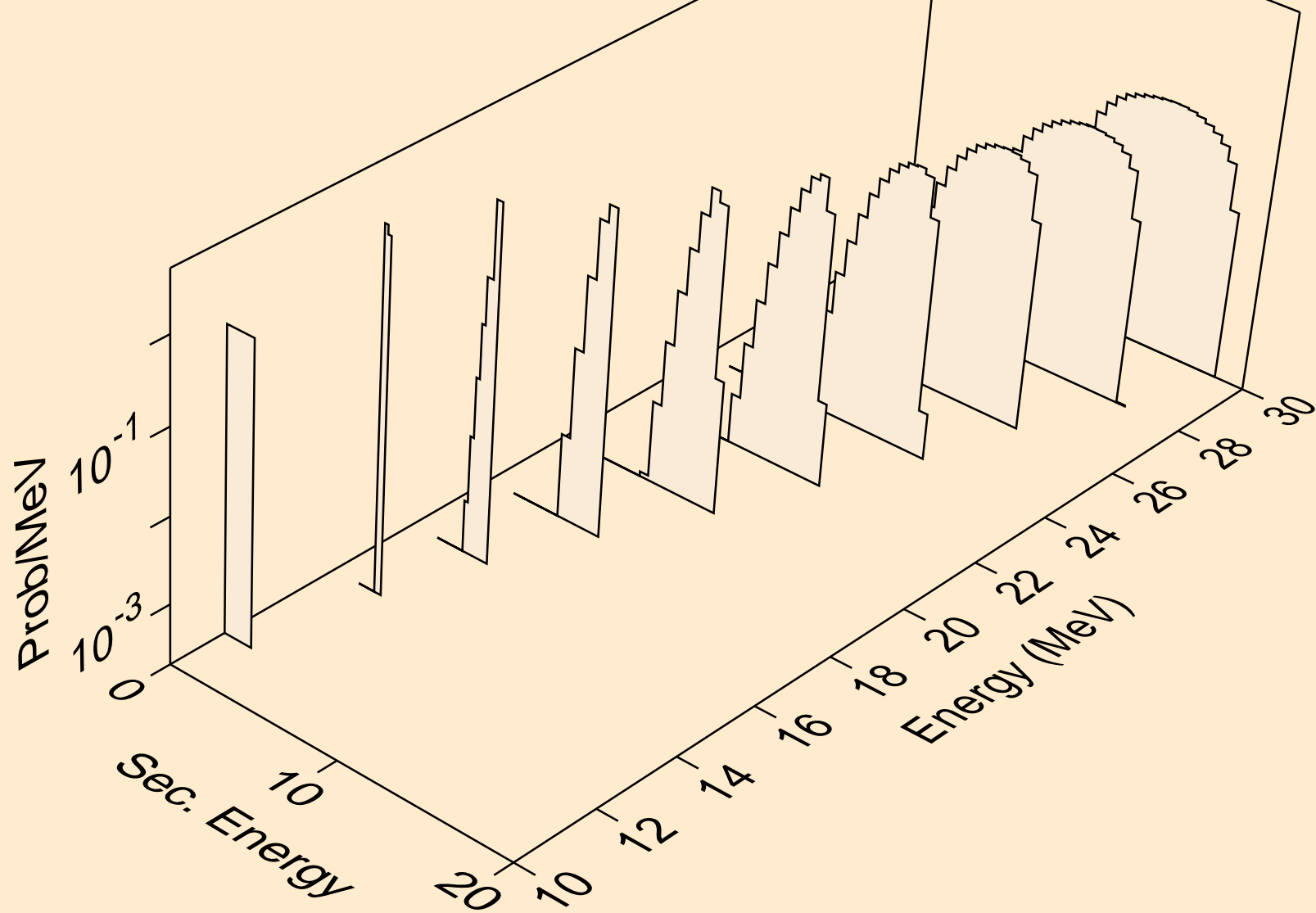
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deuterons from (p,da)



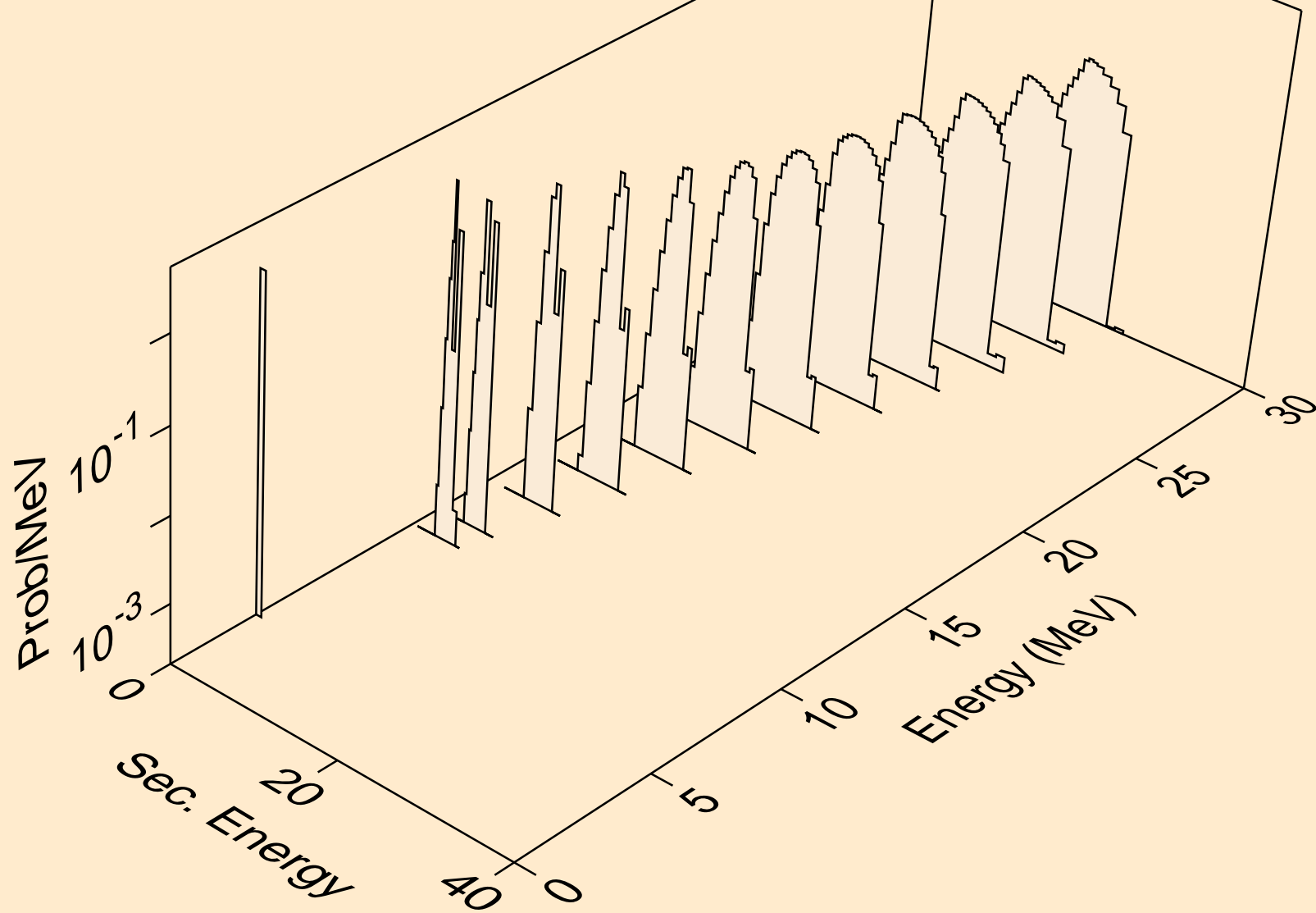
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,x)



HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,n\*)t

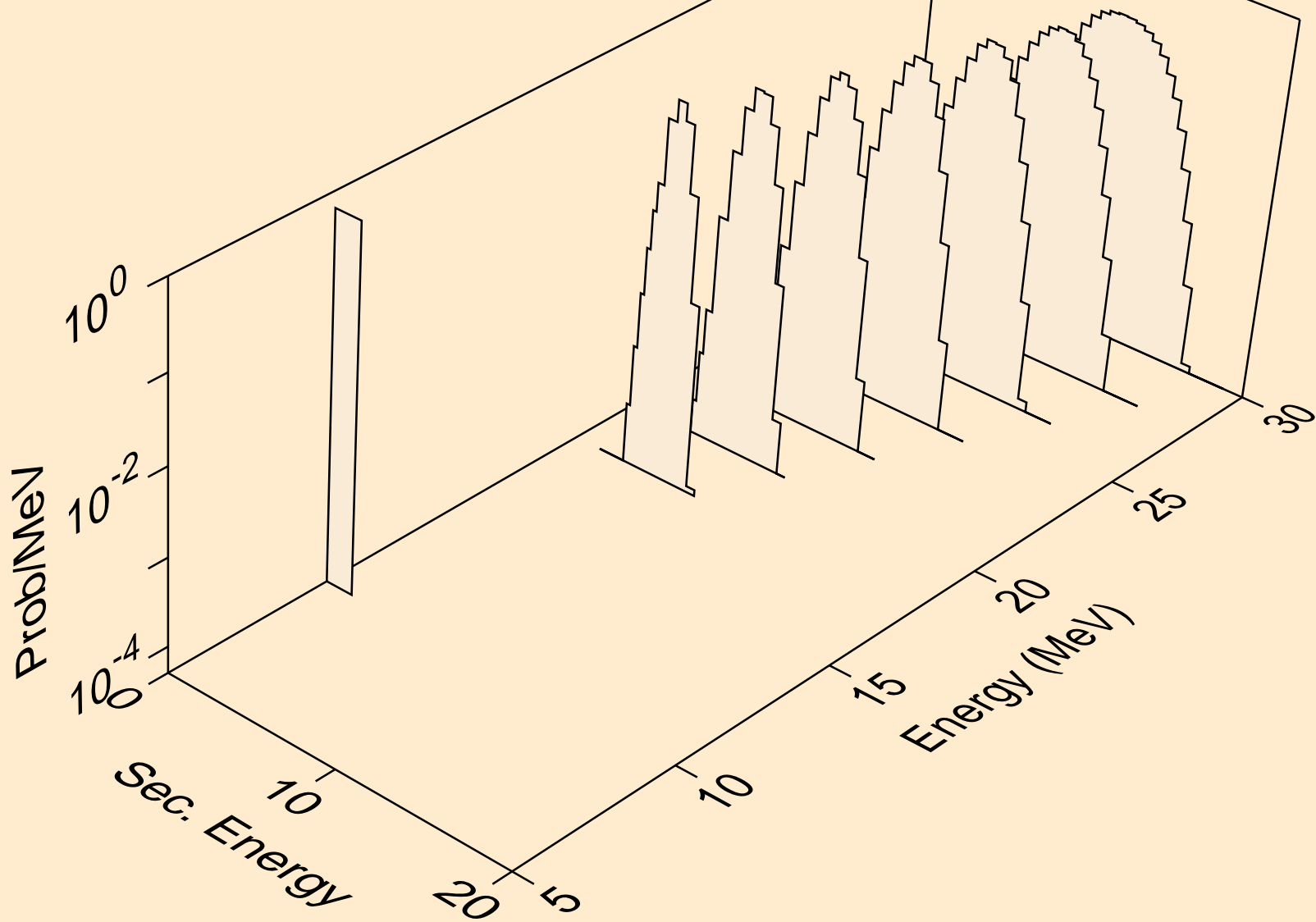


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tritons from (p,t)

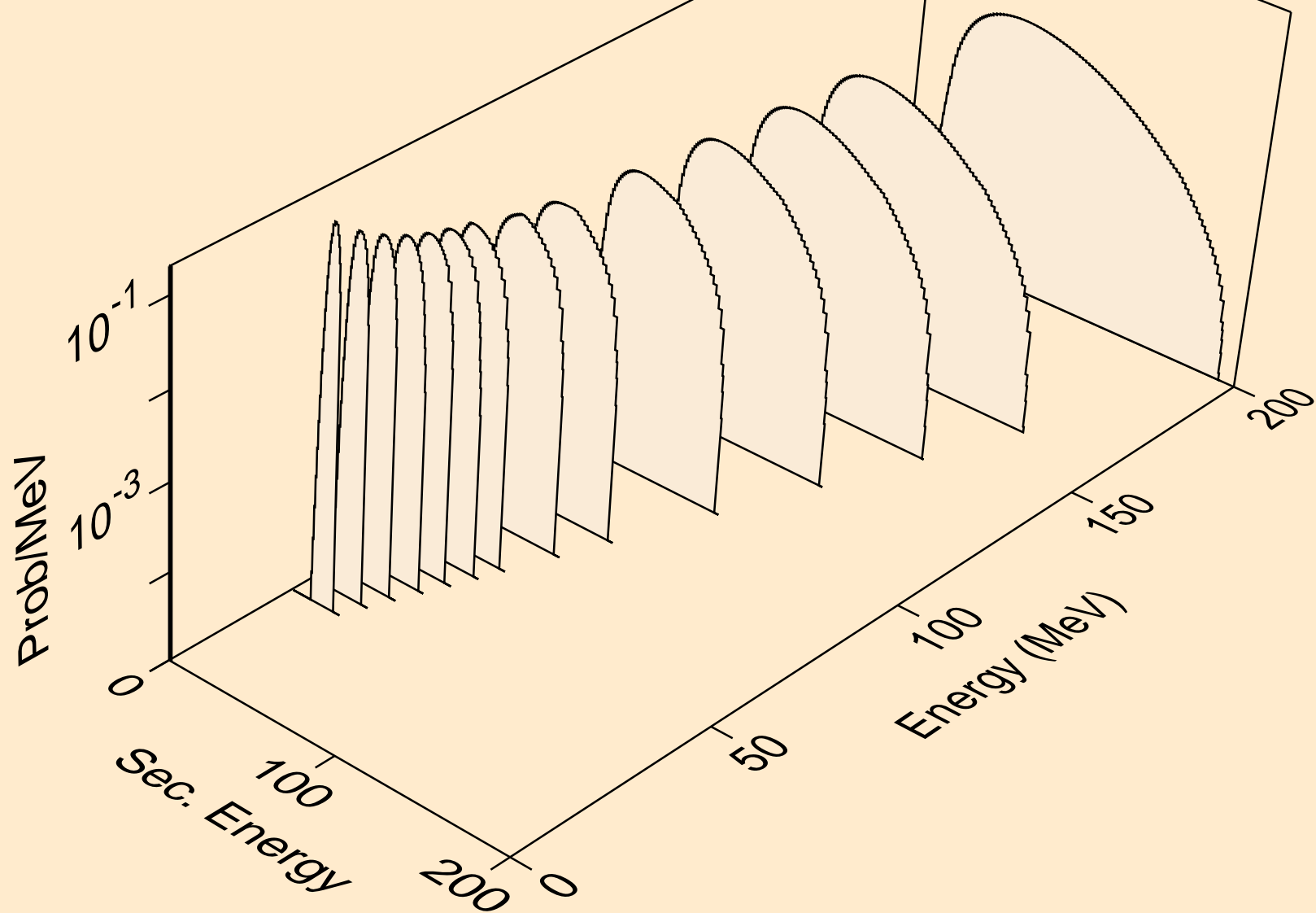




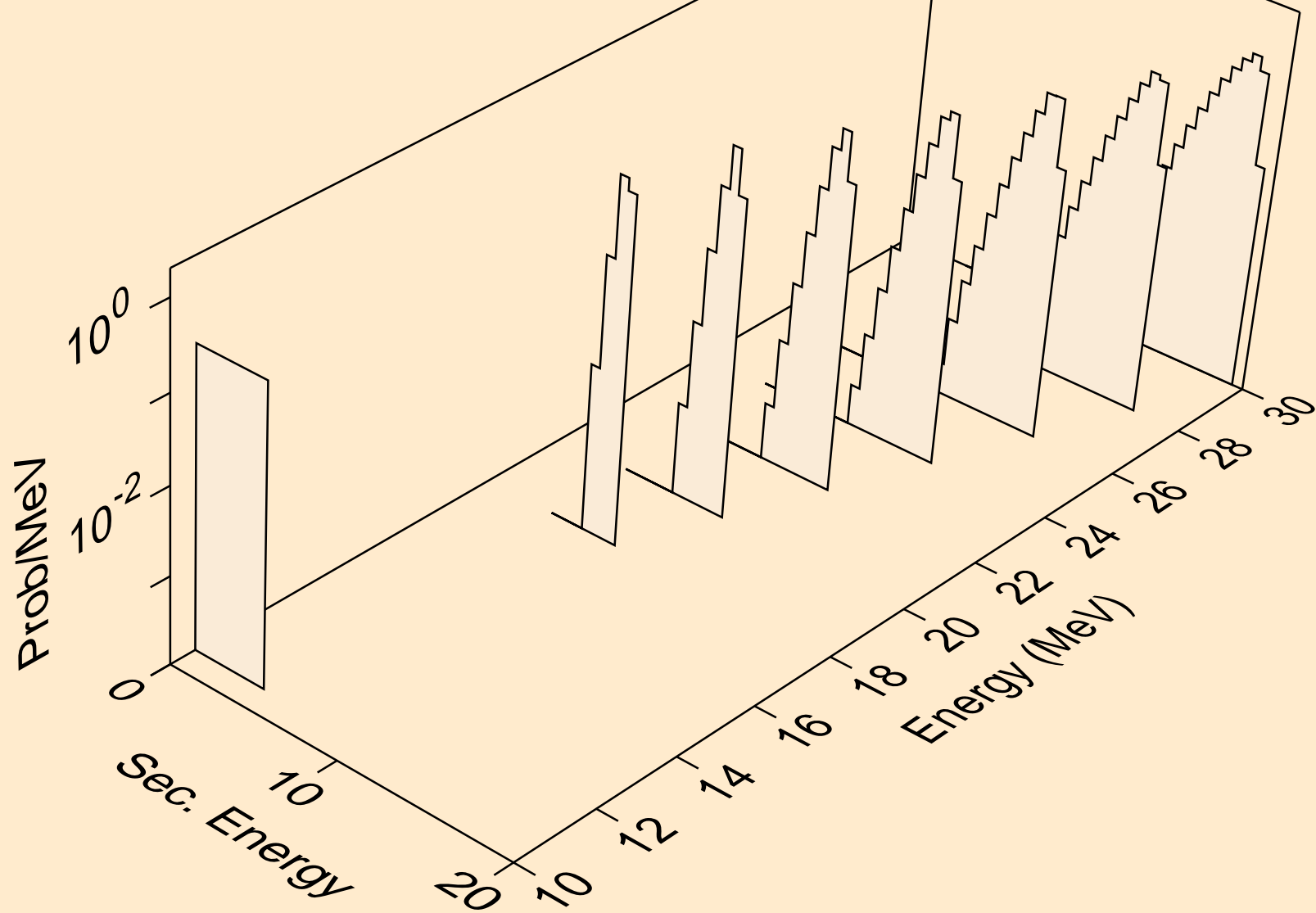
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tritons from (p,pt)



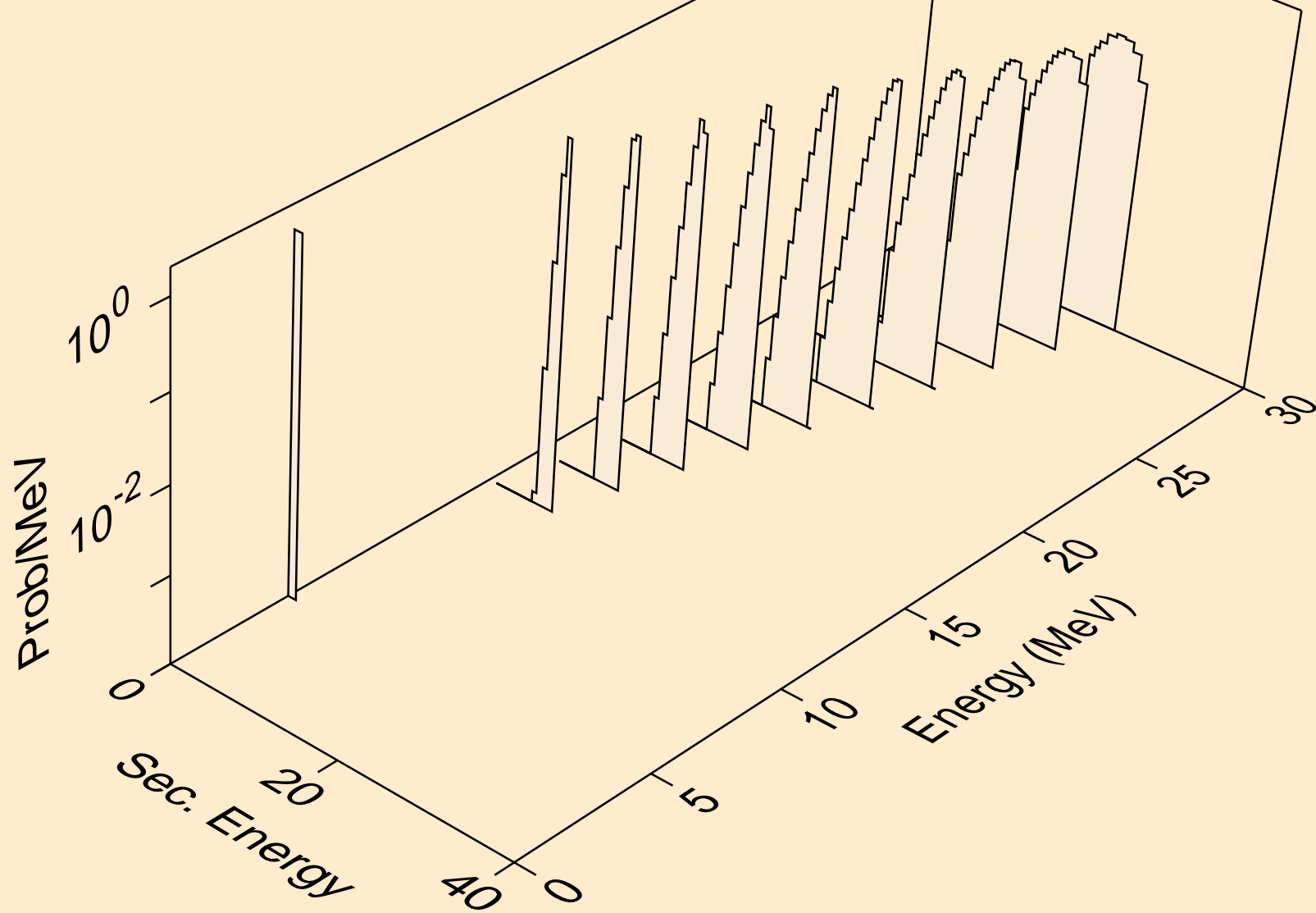
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he3s from (p,x)



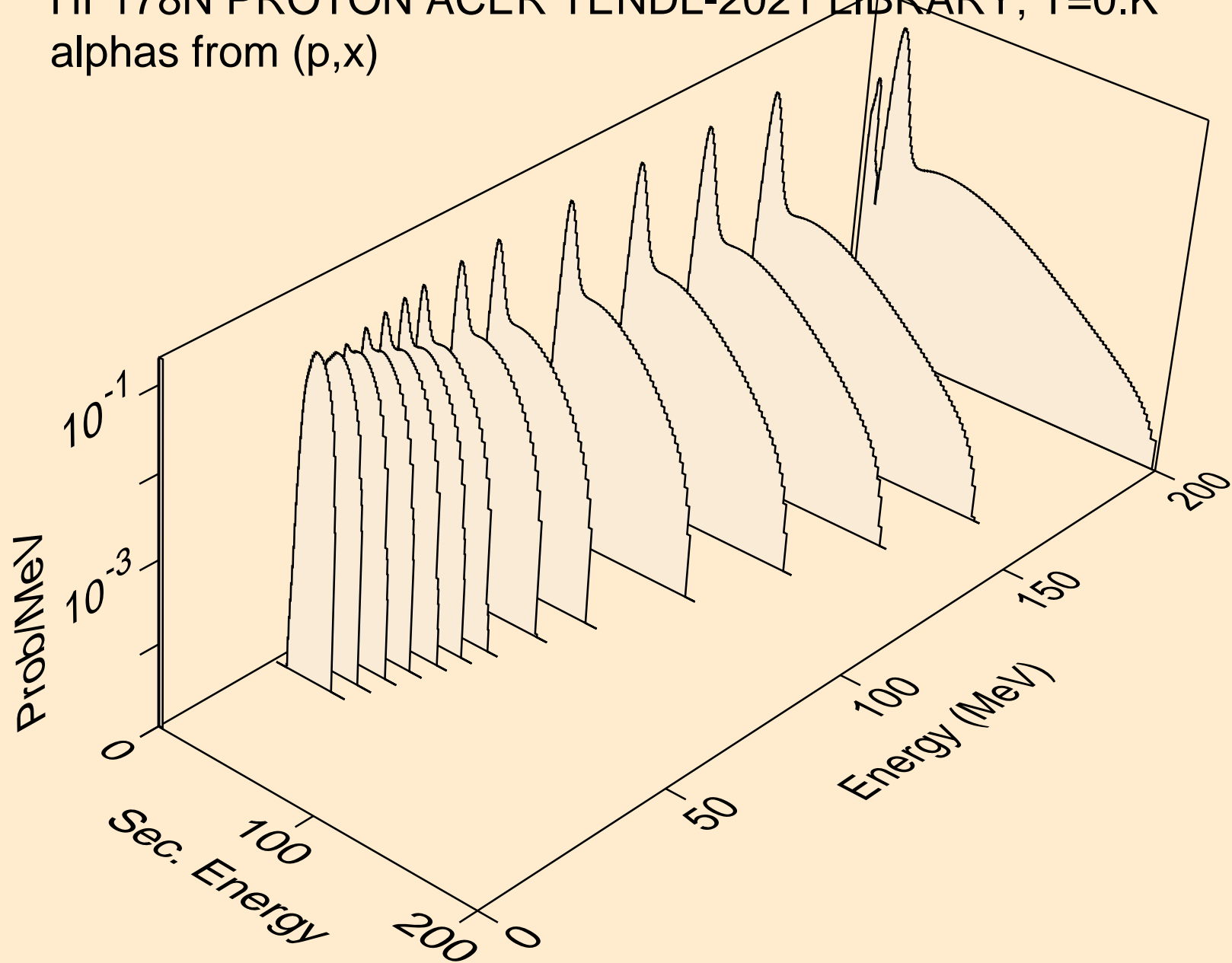
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he3s from (p,n\*)he3



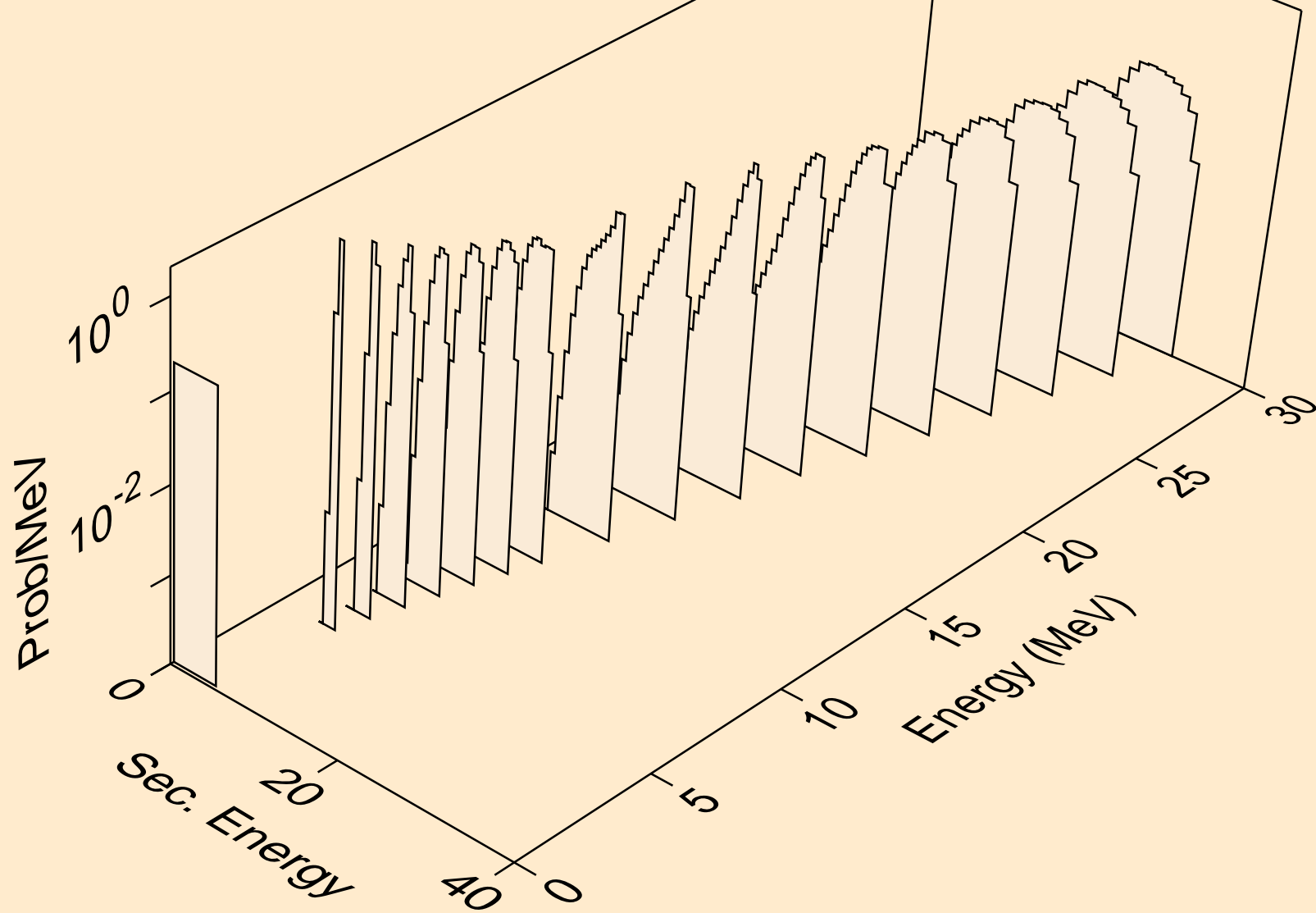
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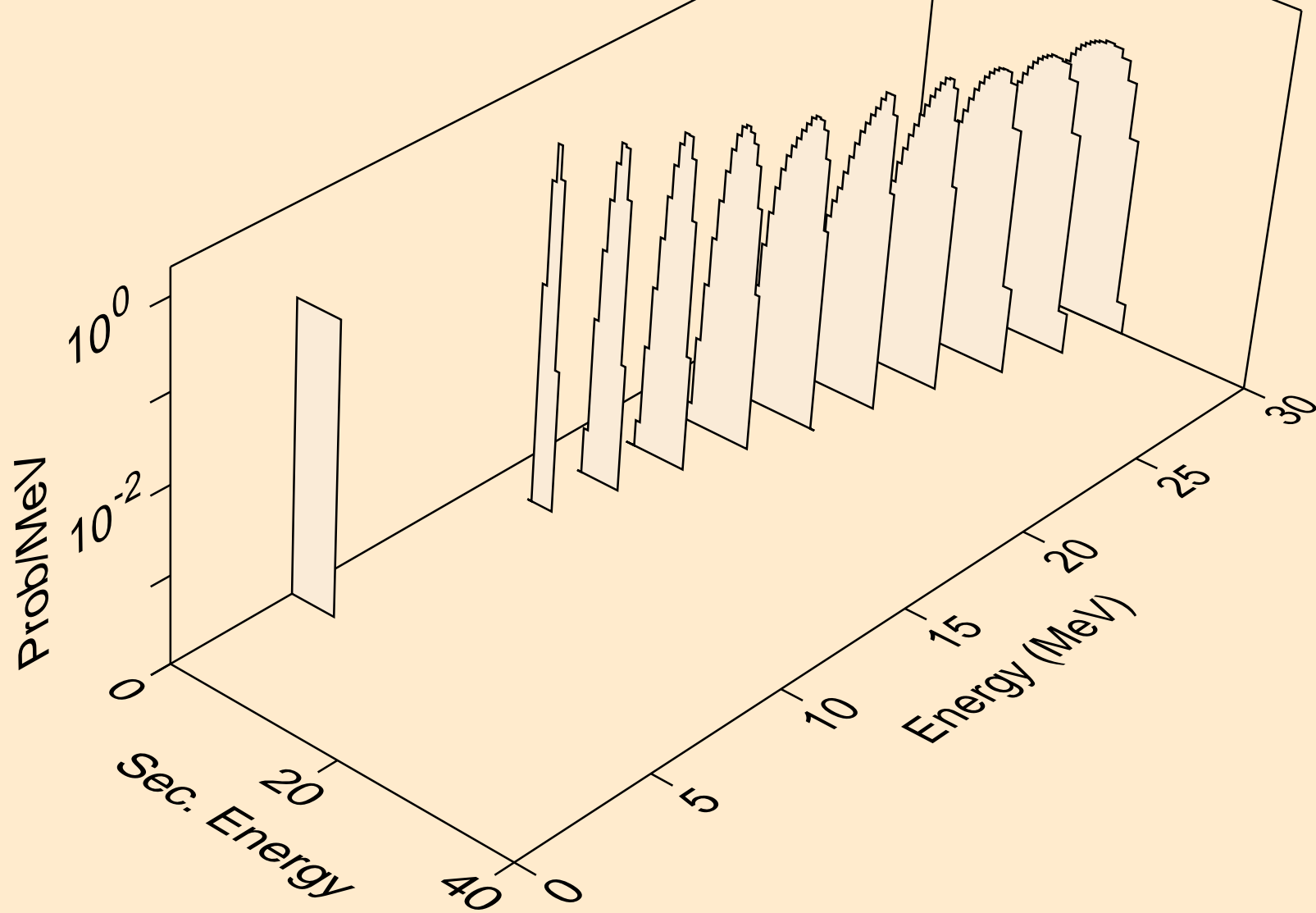
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,x)



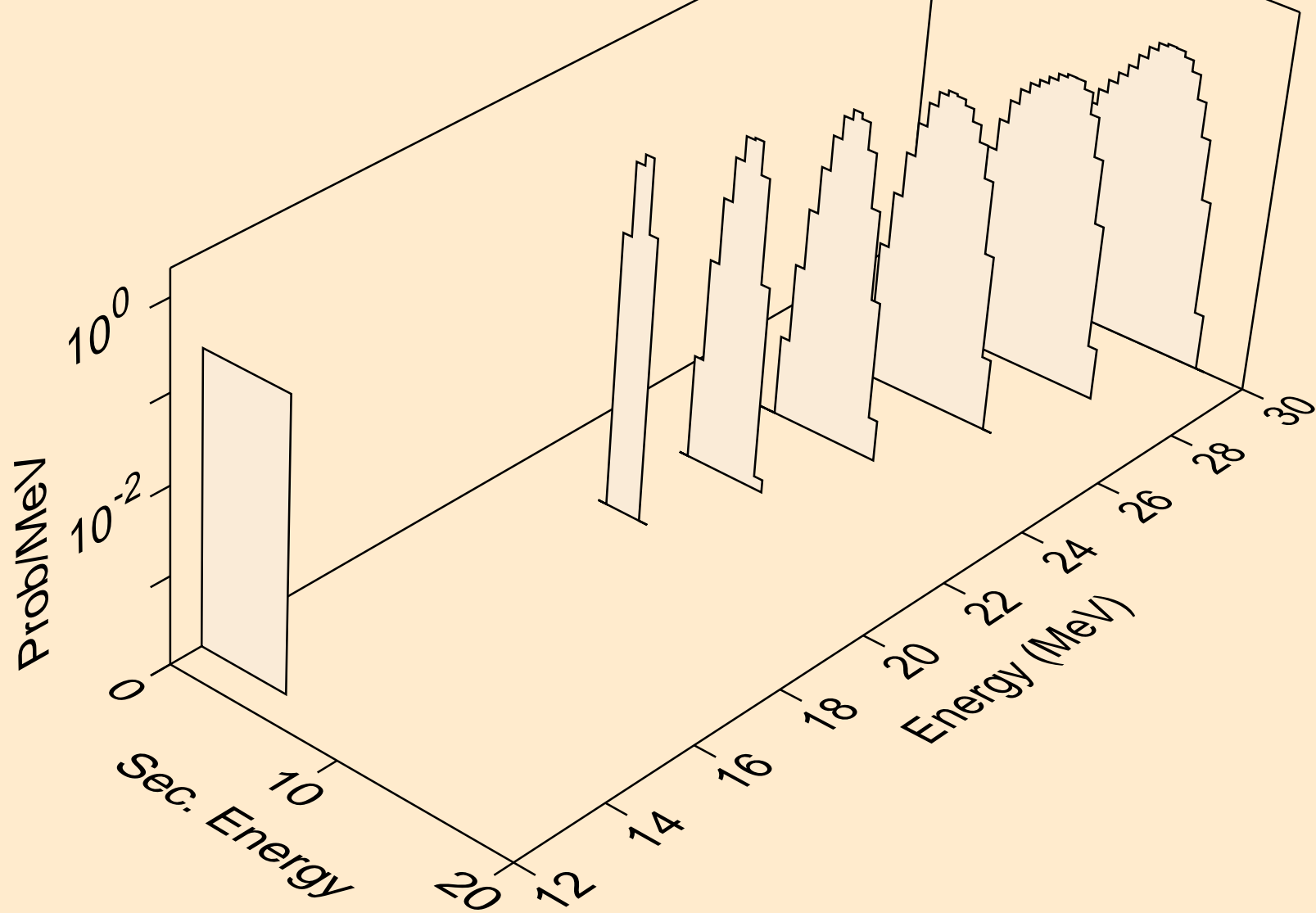
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)a



HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2n)a

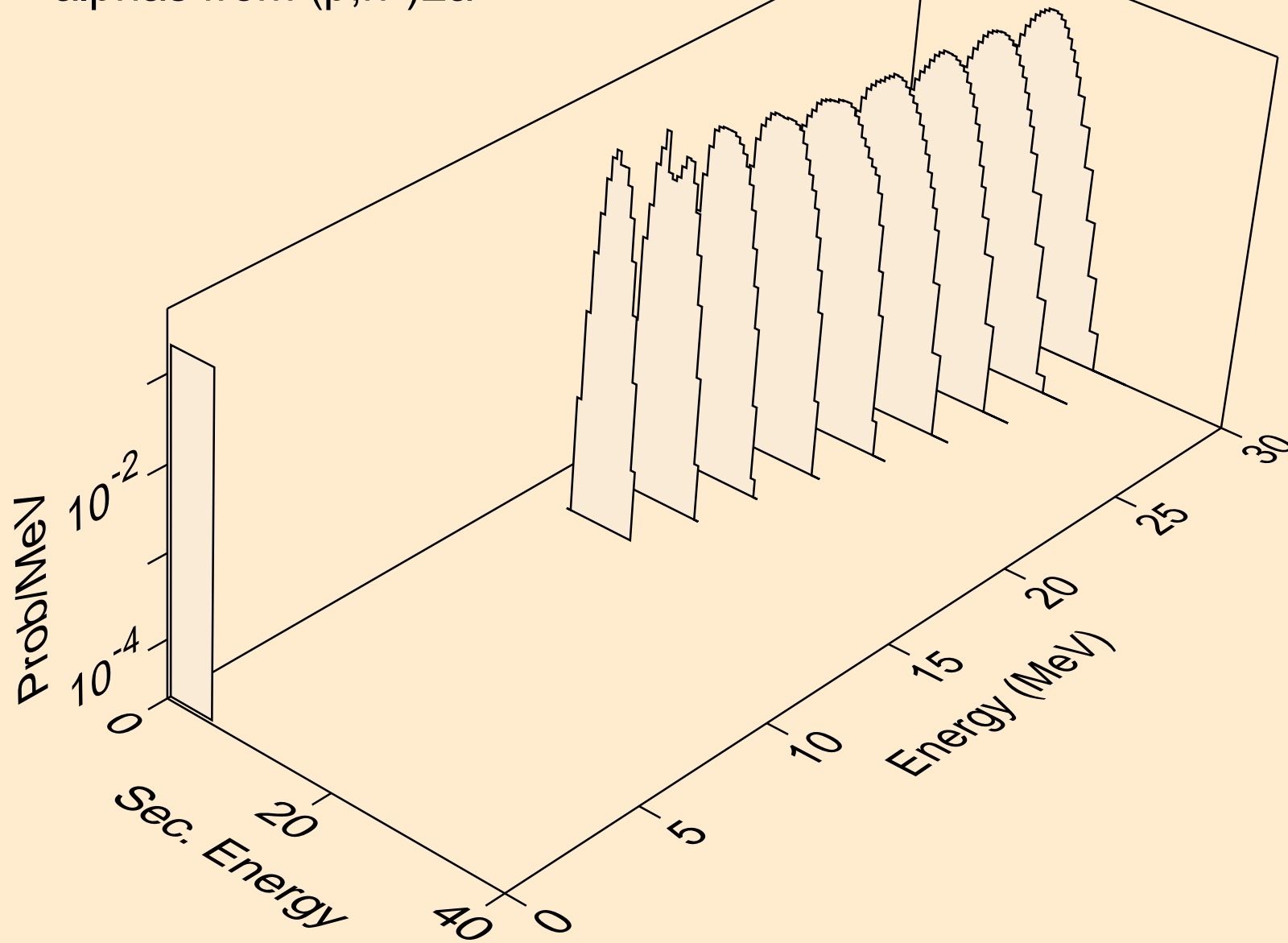


HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,3n)a

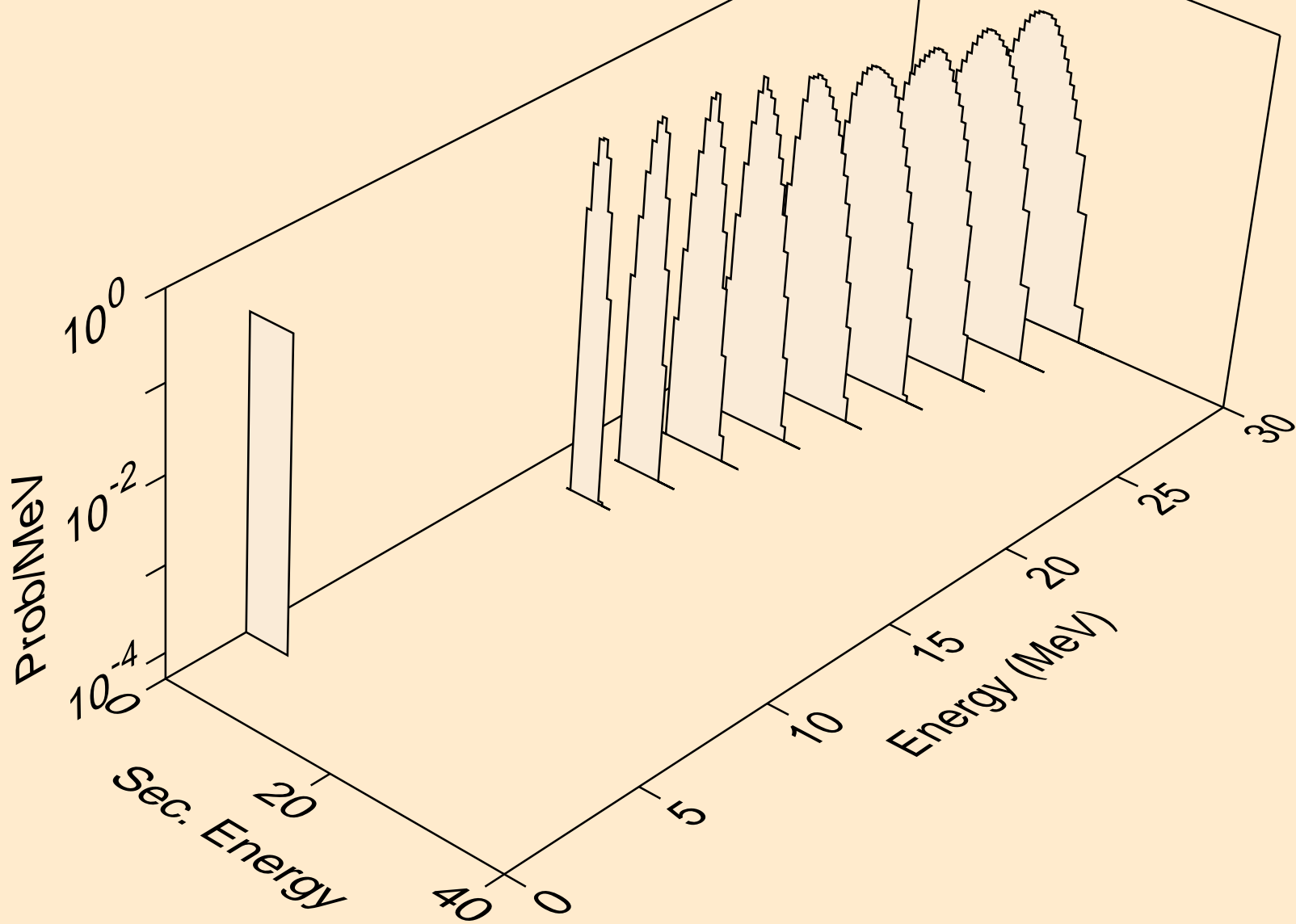




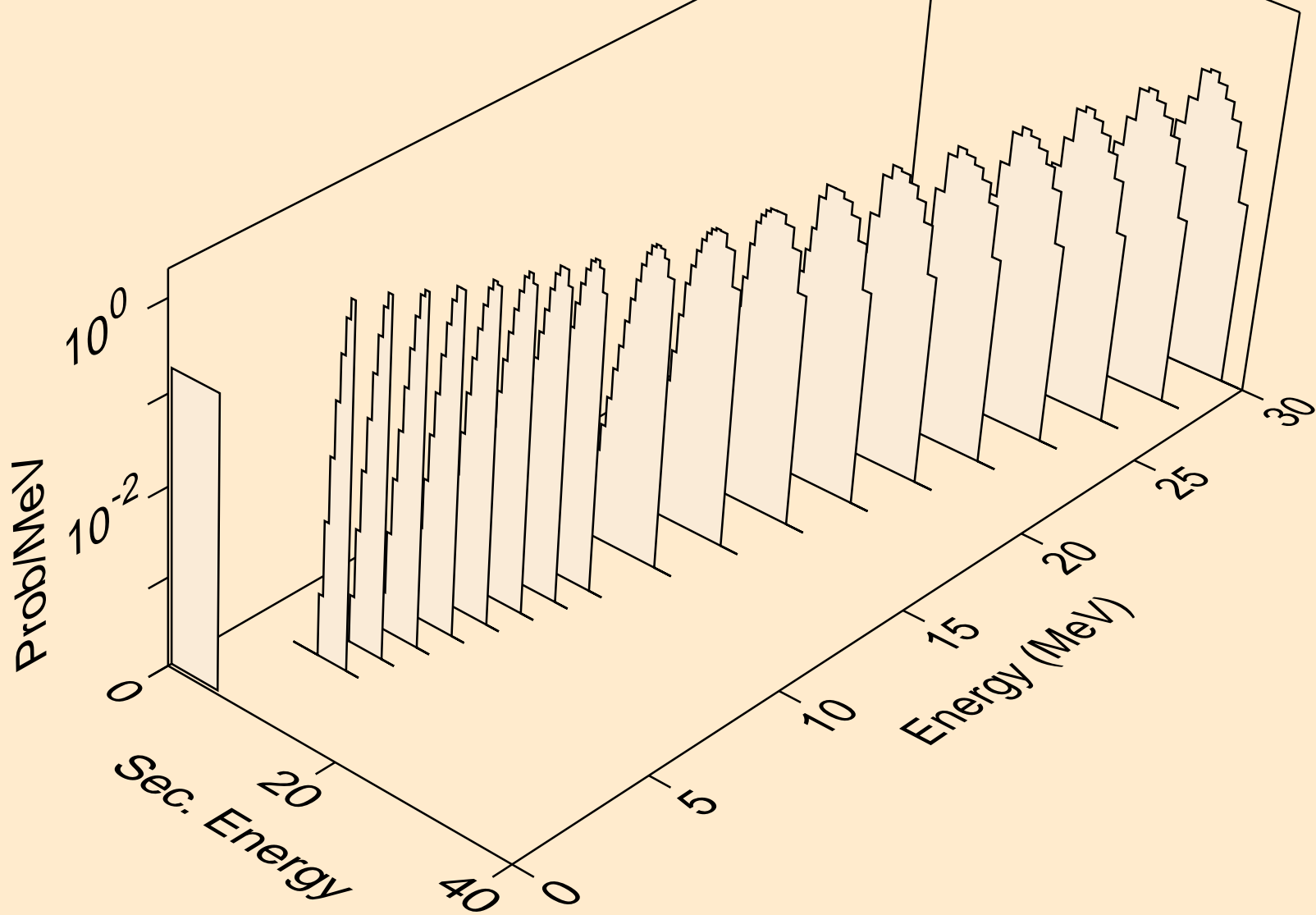
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alphas from (p,n\*)2a



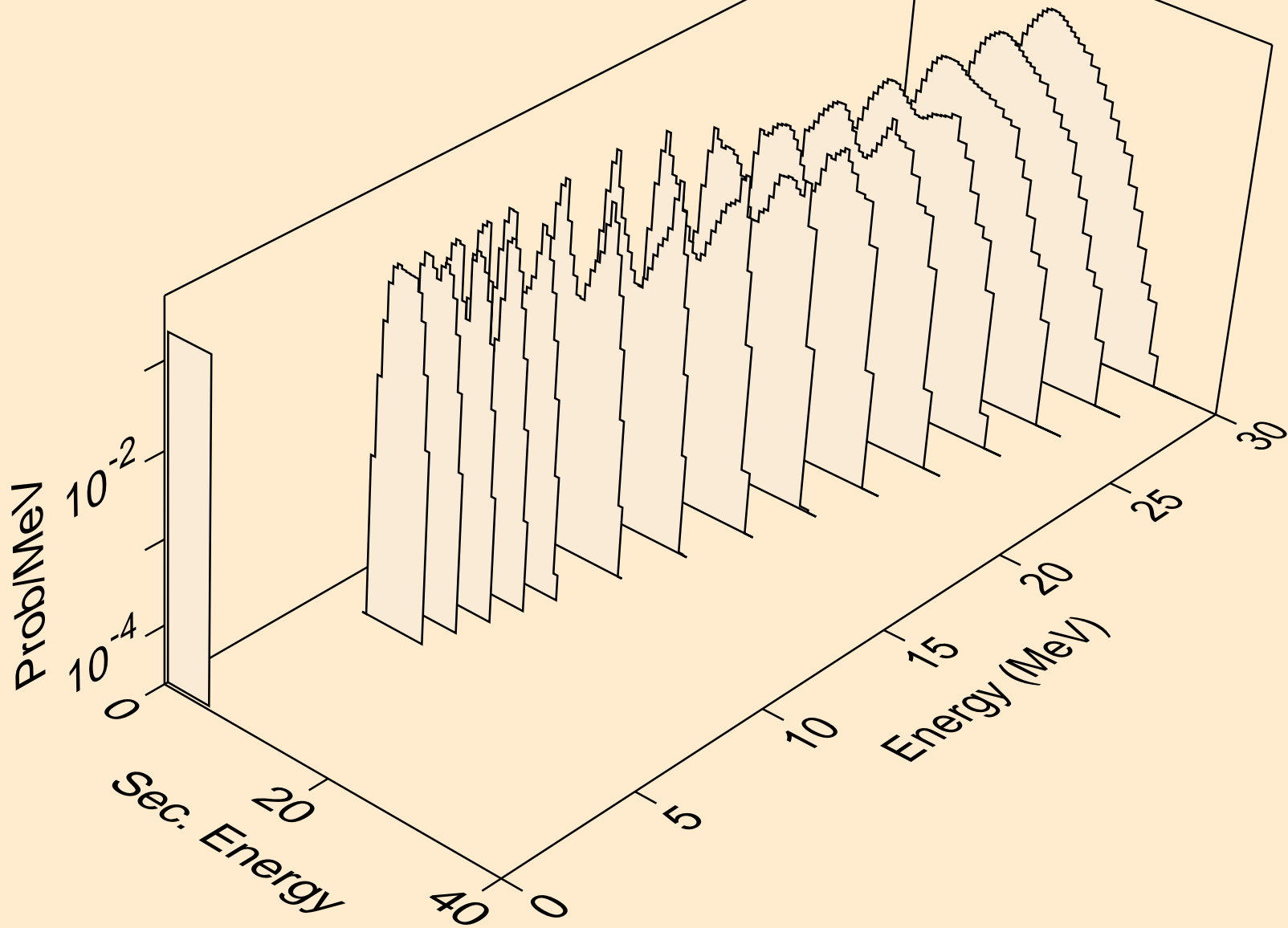
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alphas from (p,npa)



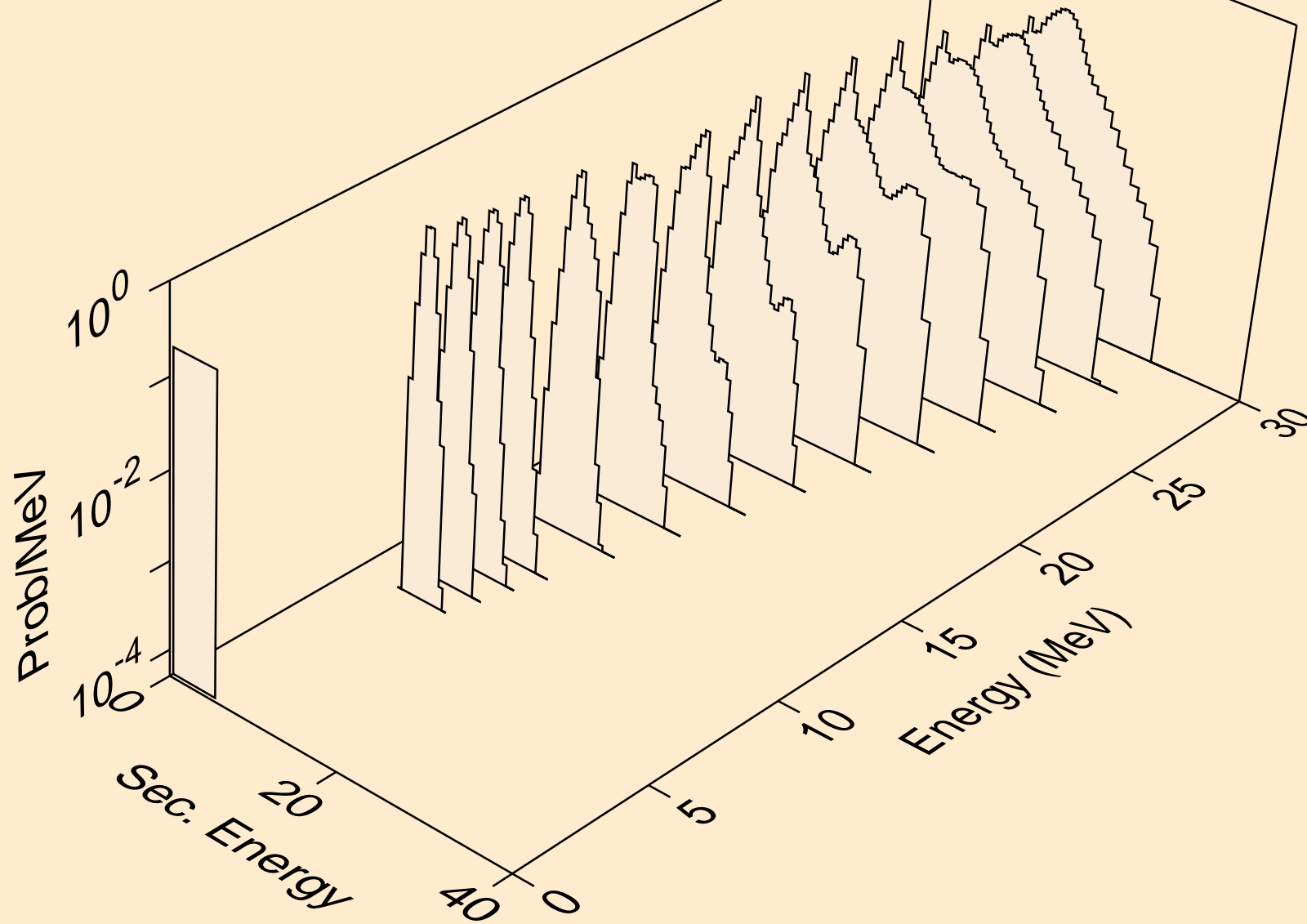
HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,a)



HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2a)



HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,pa)



HF178N PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,da)

