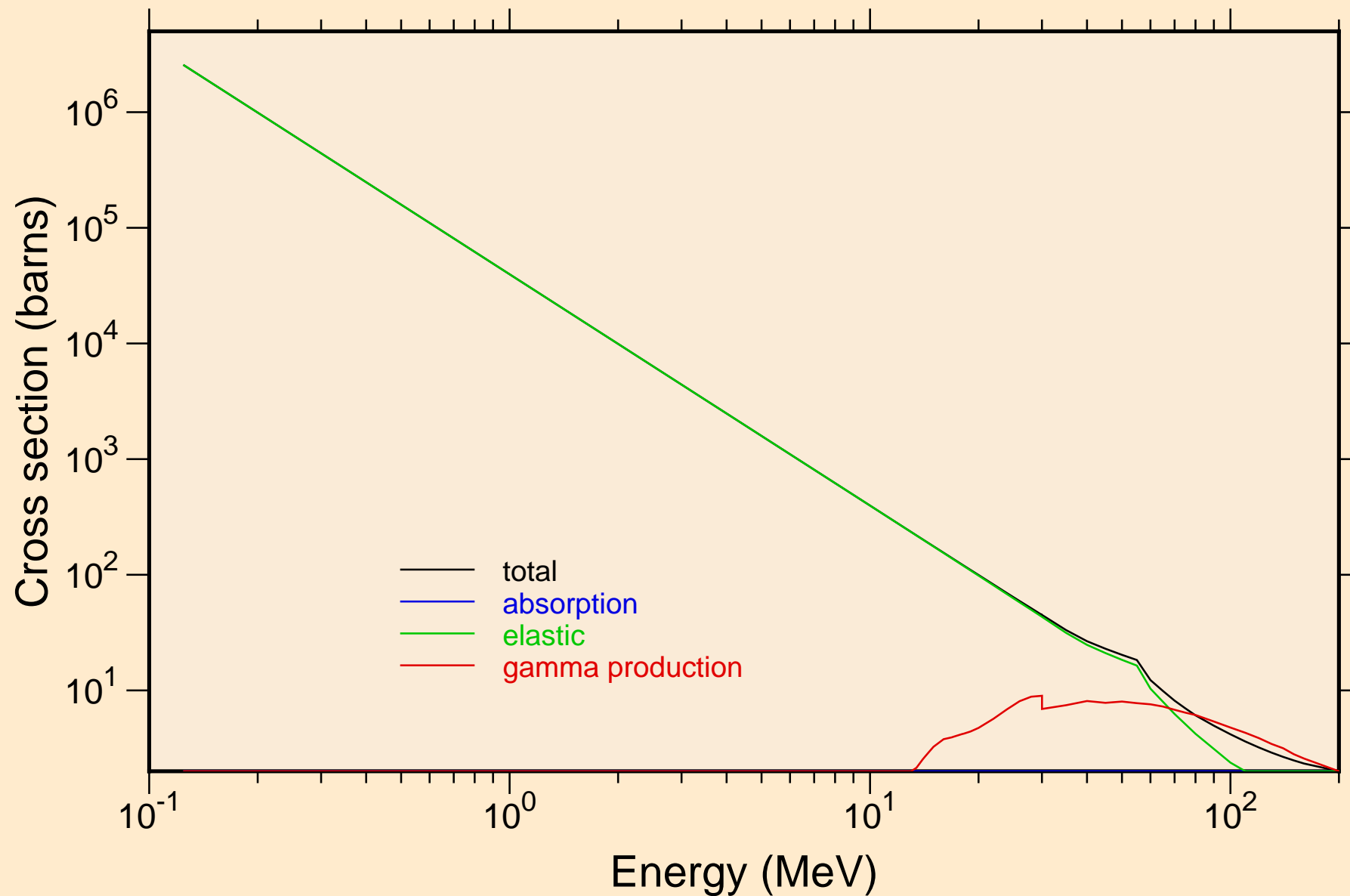


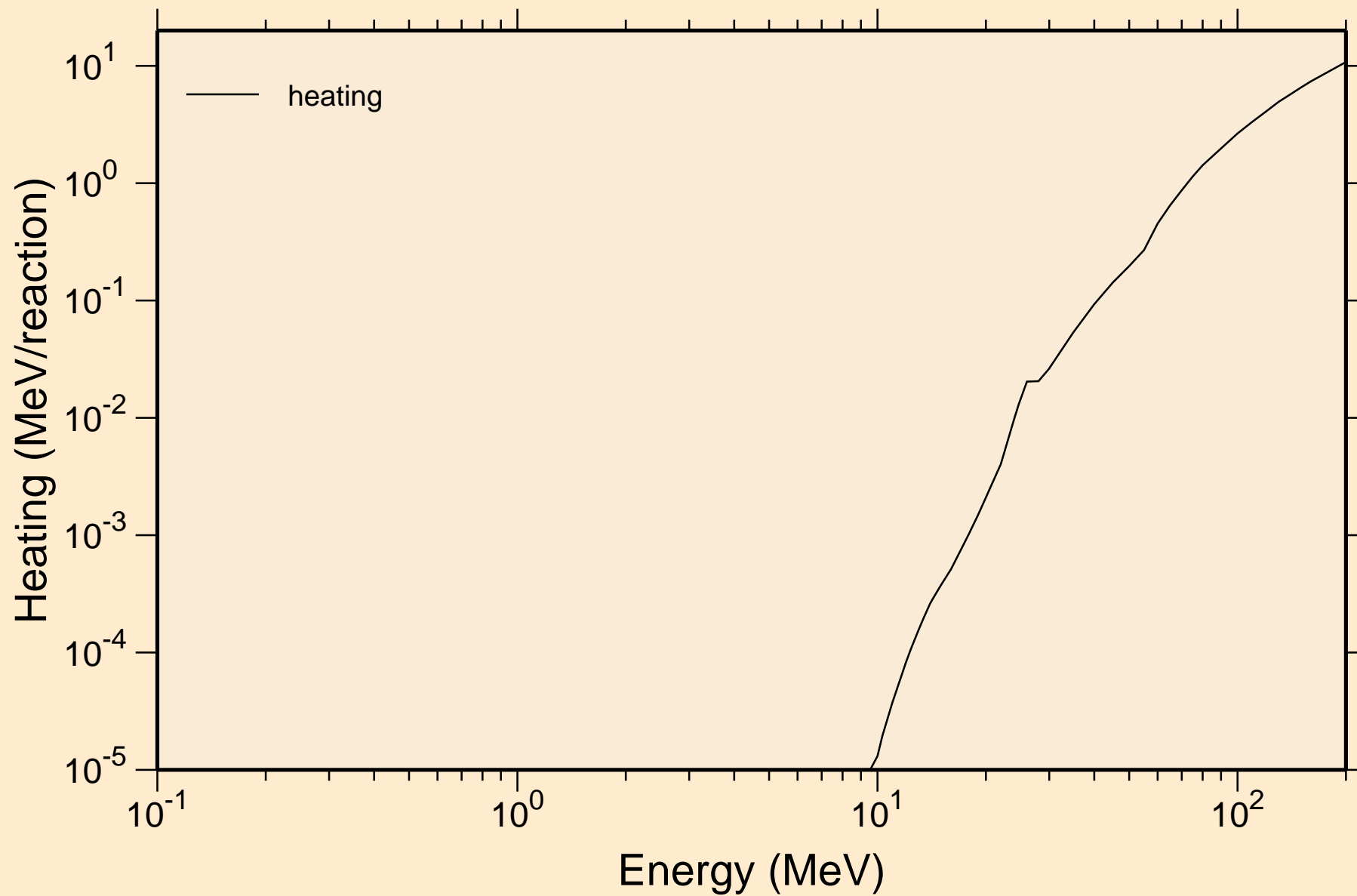
# HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



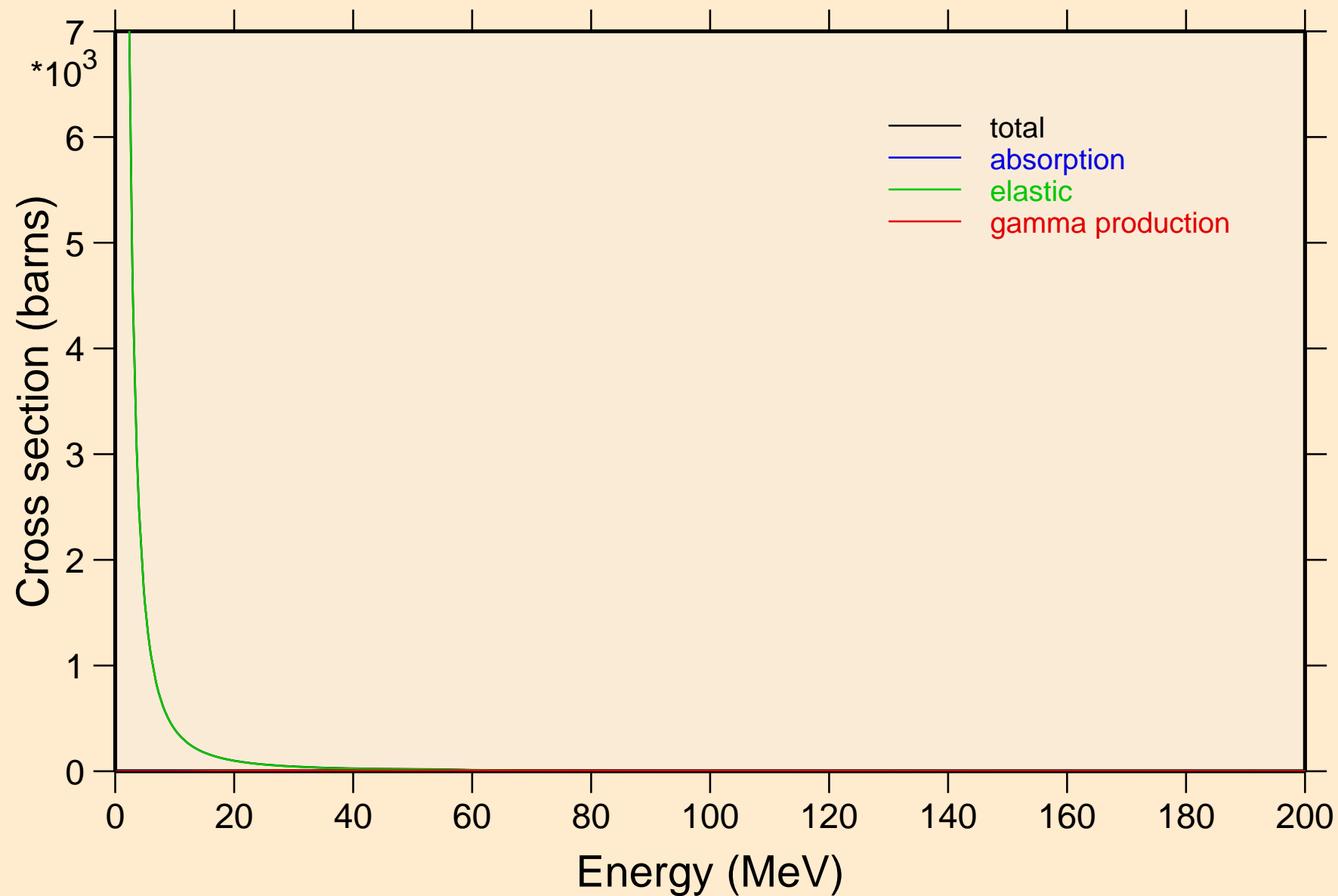
# HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K

Heating



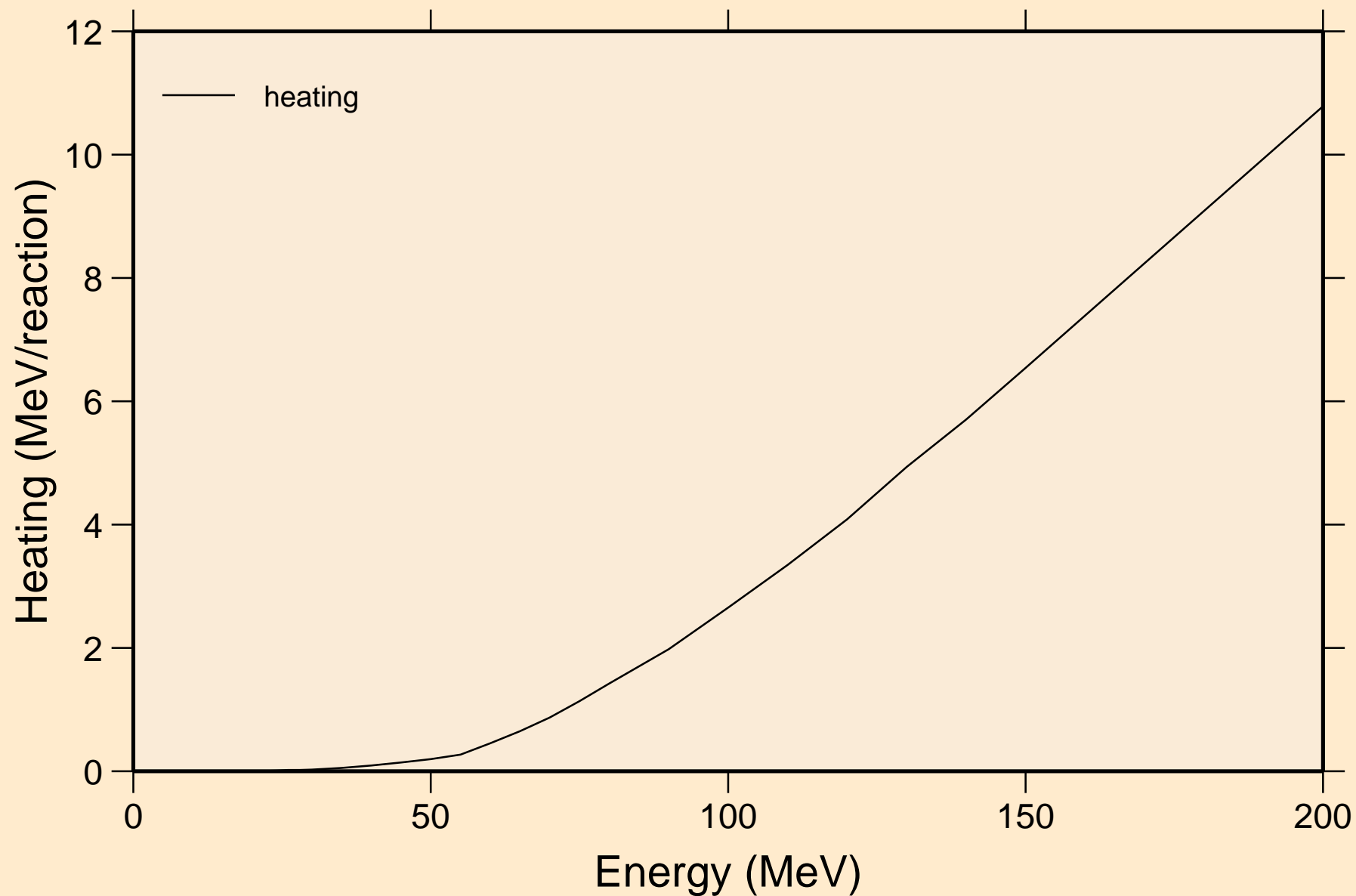
# HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



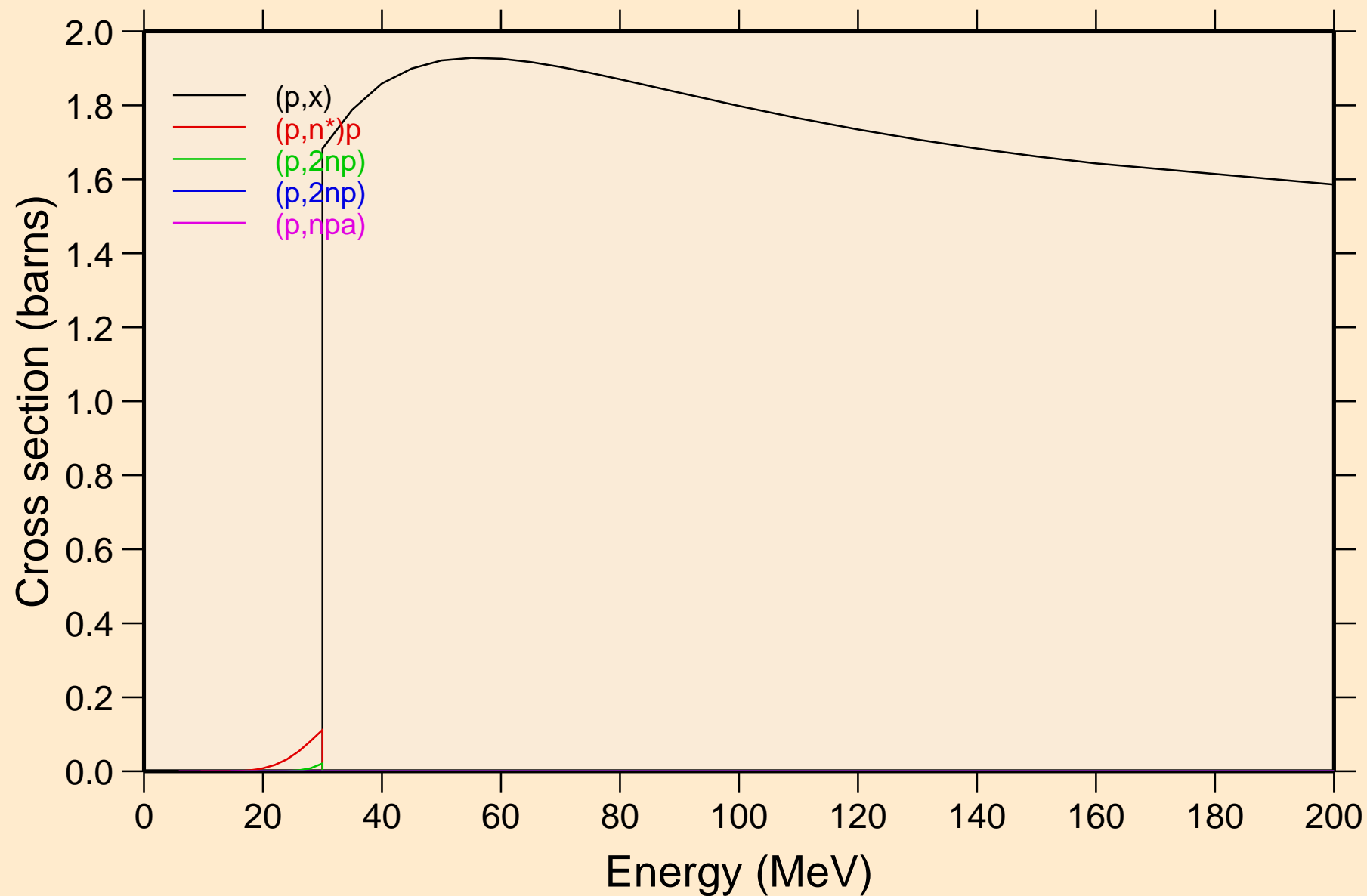
# HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K

Heating



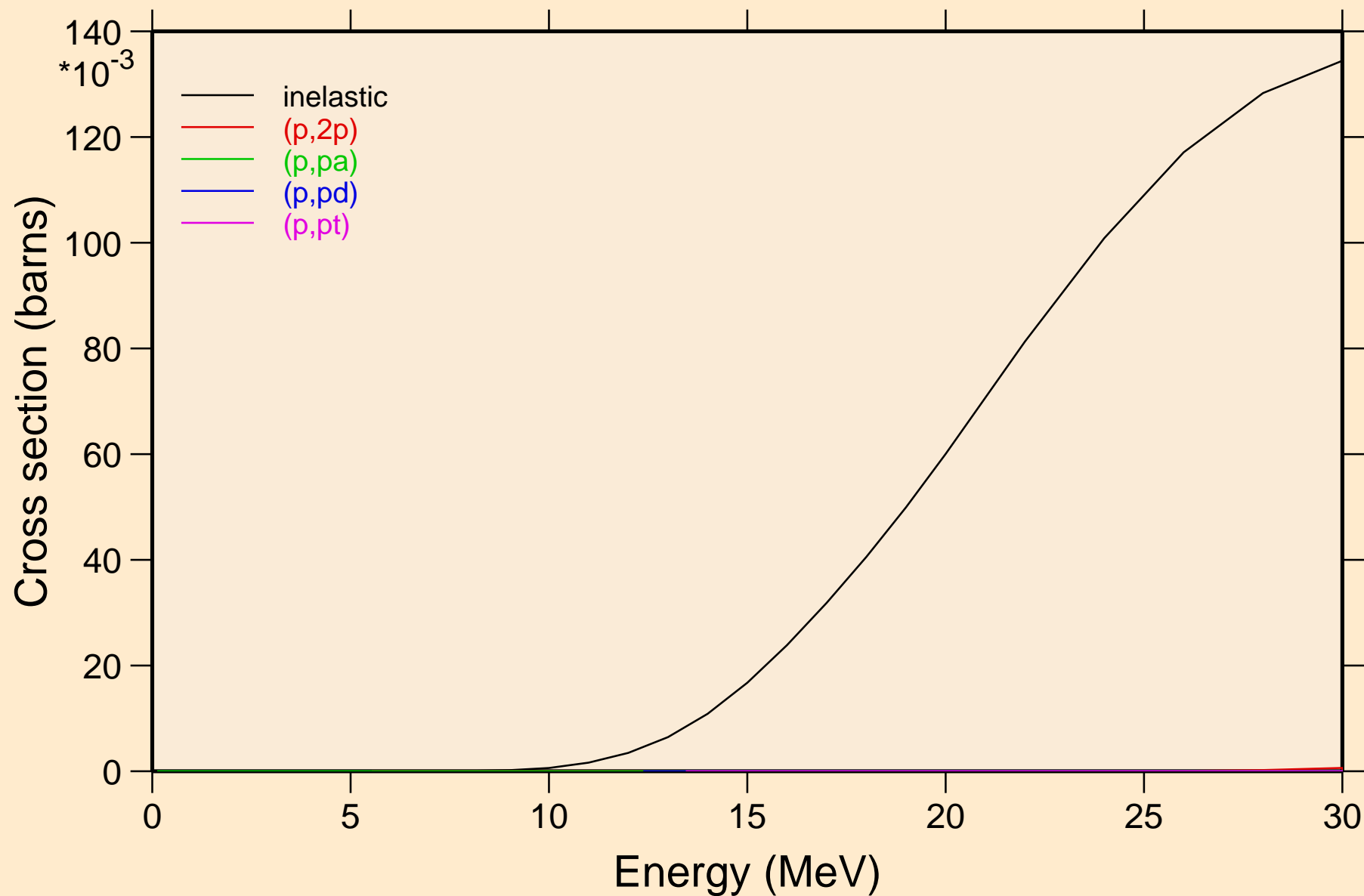
# HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K

Threshold reactions



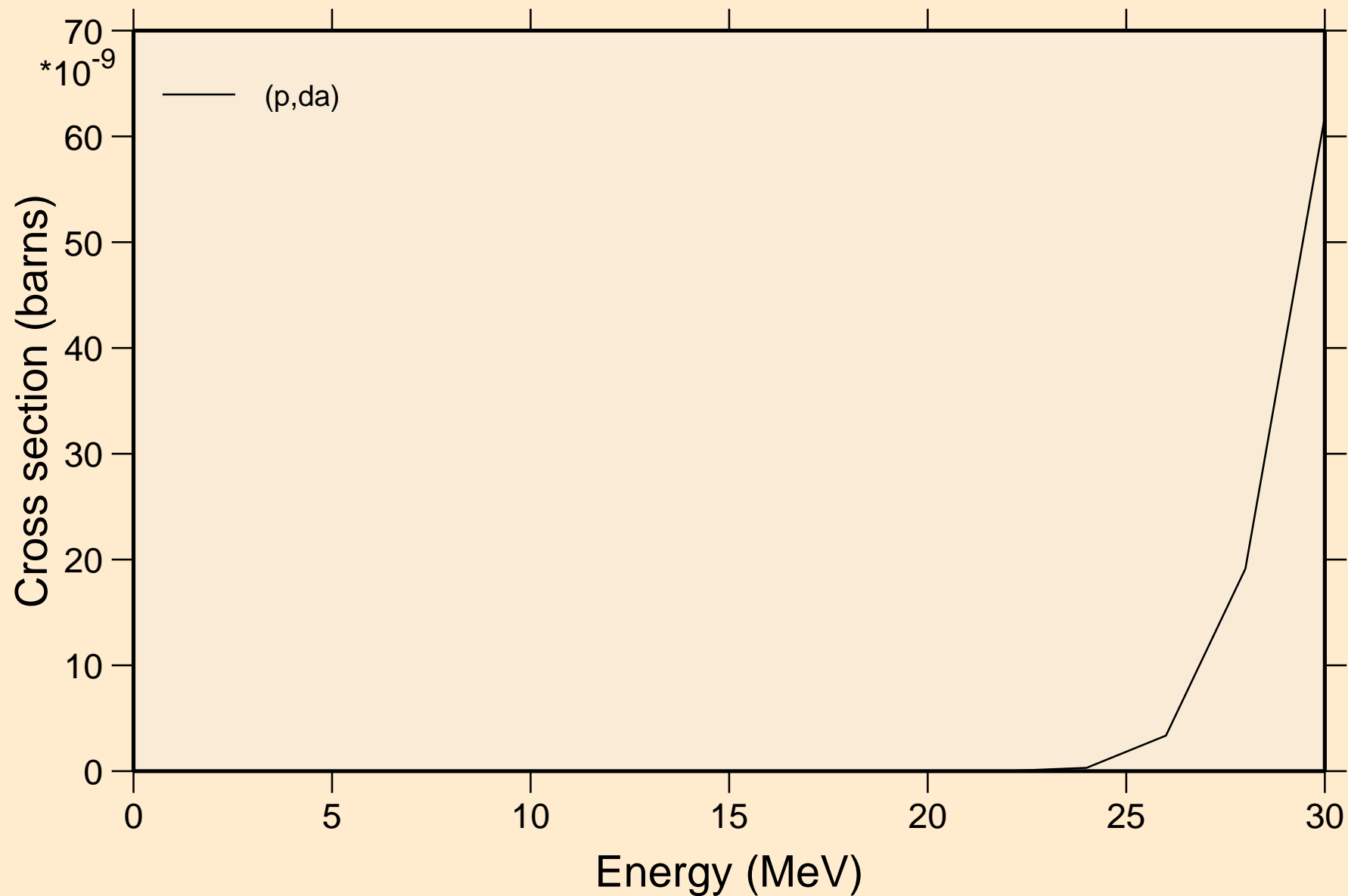
# HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions

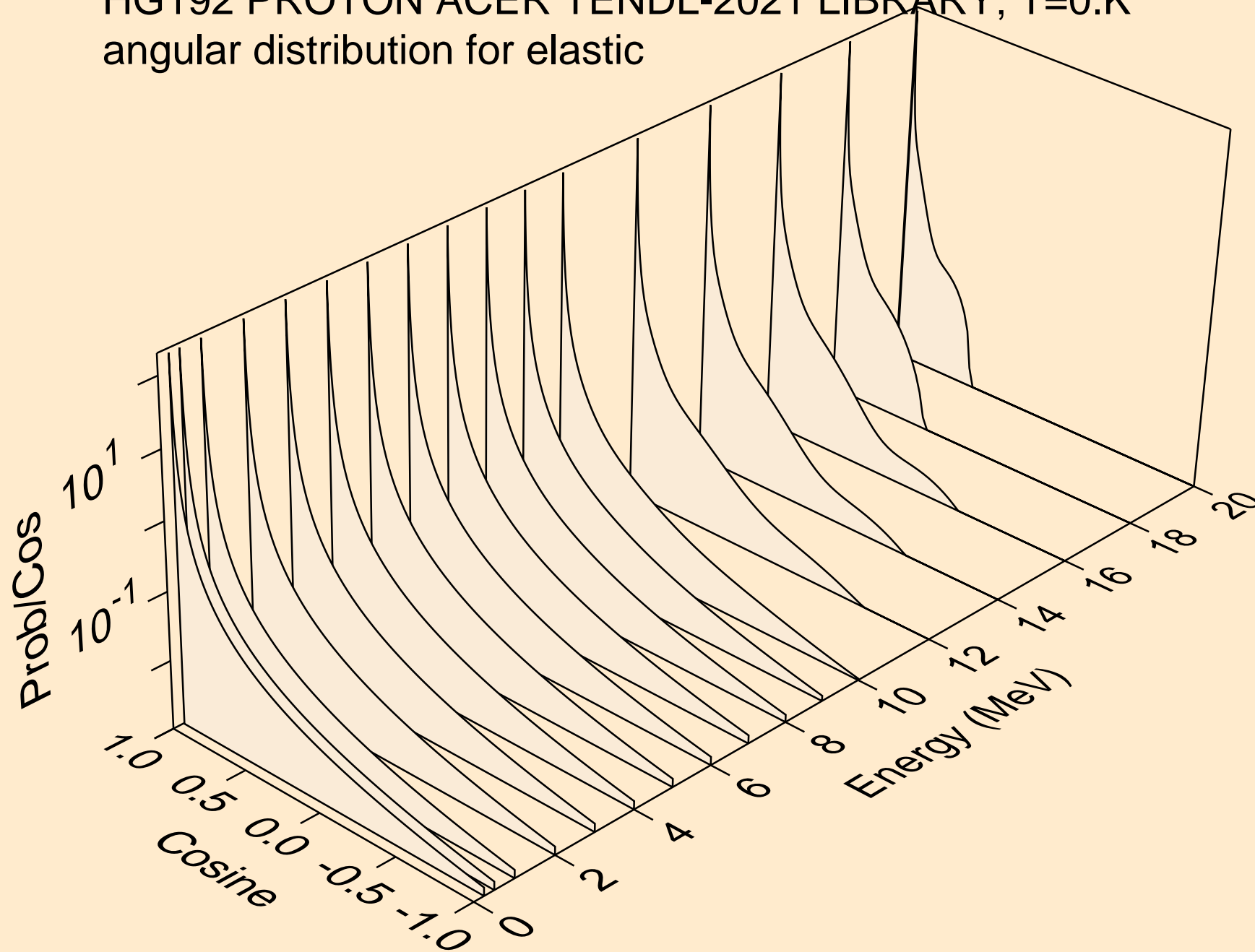


# HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K

Threshold reactions

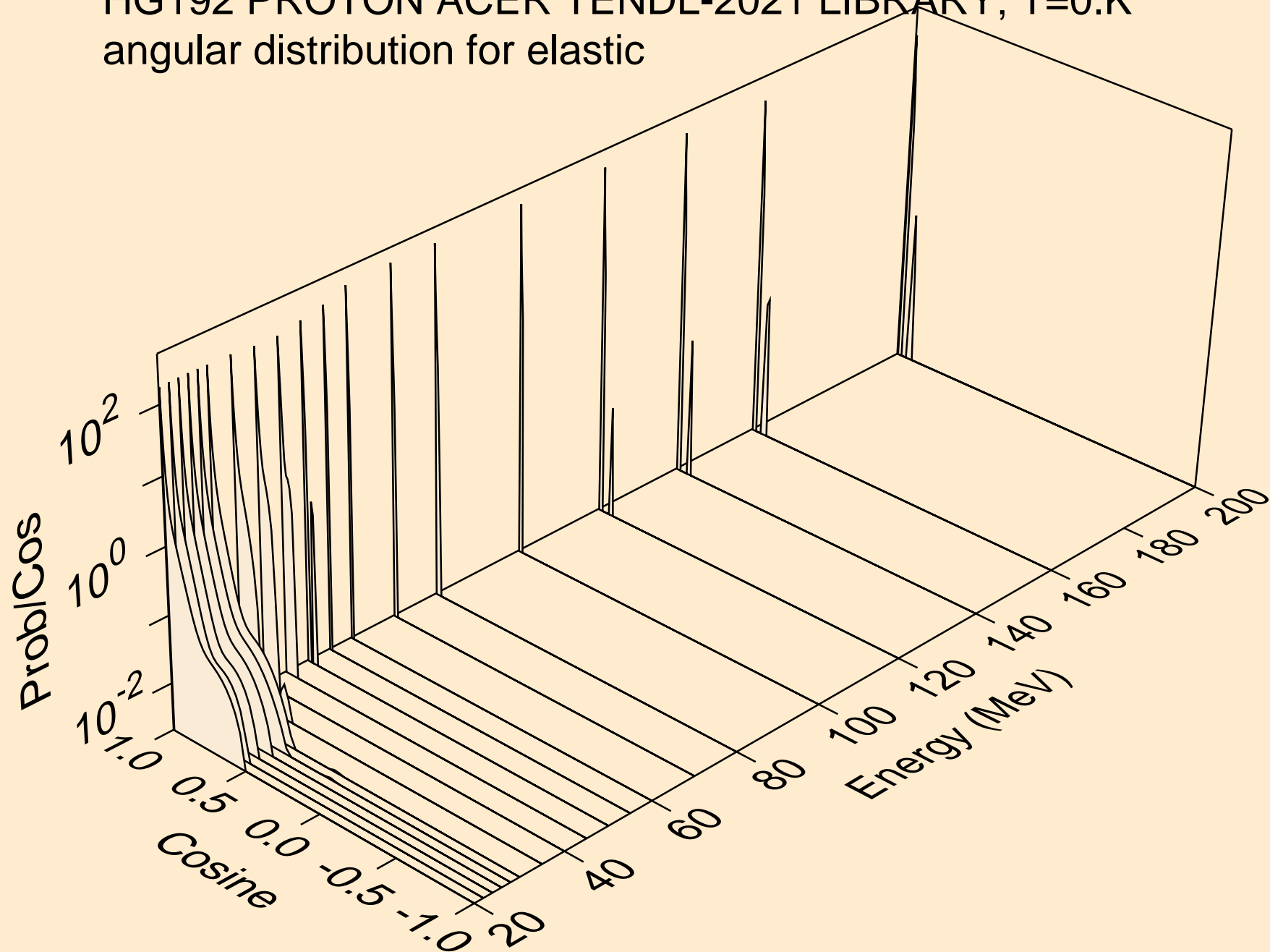


HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic

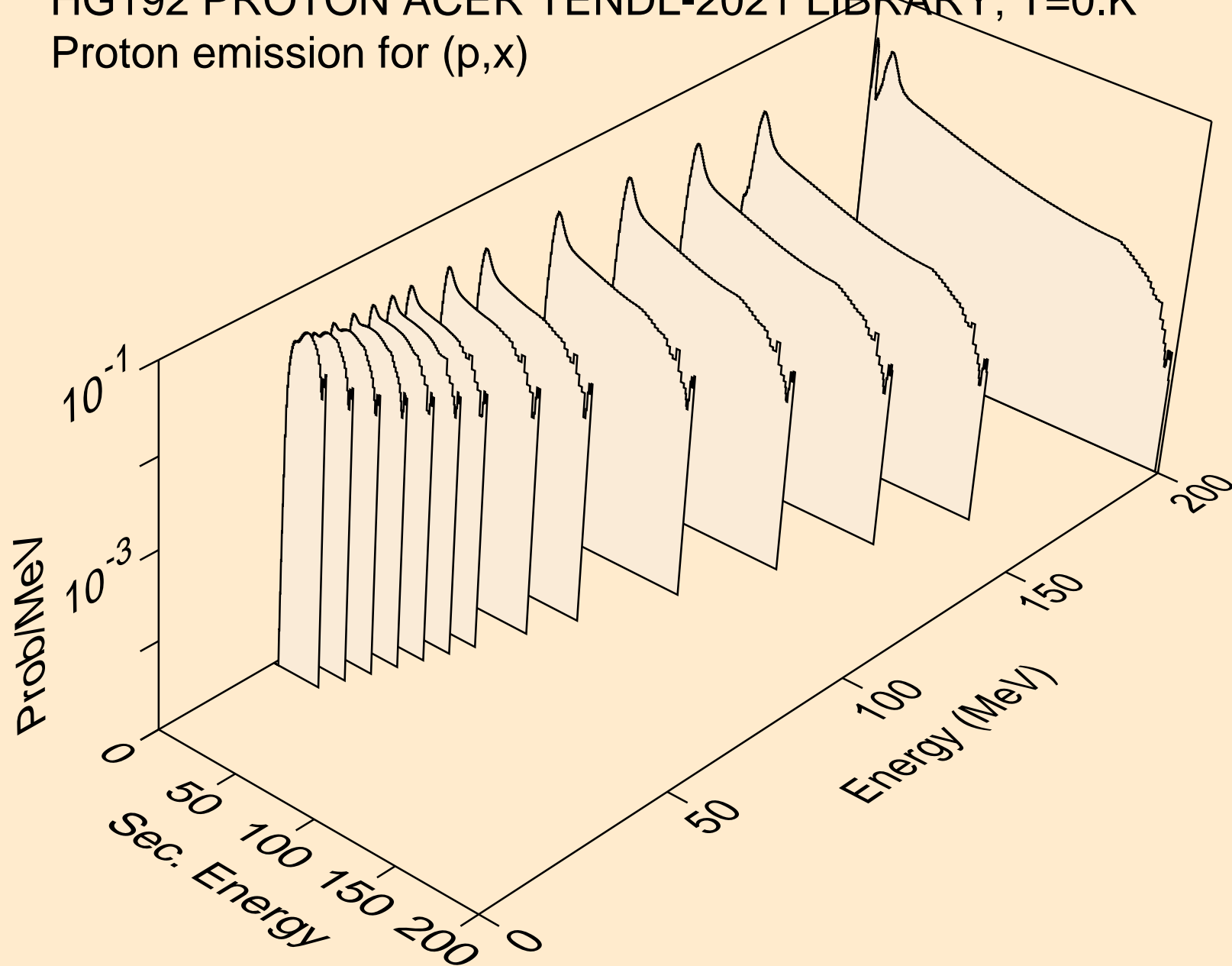




HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic

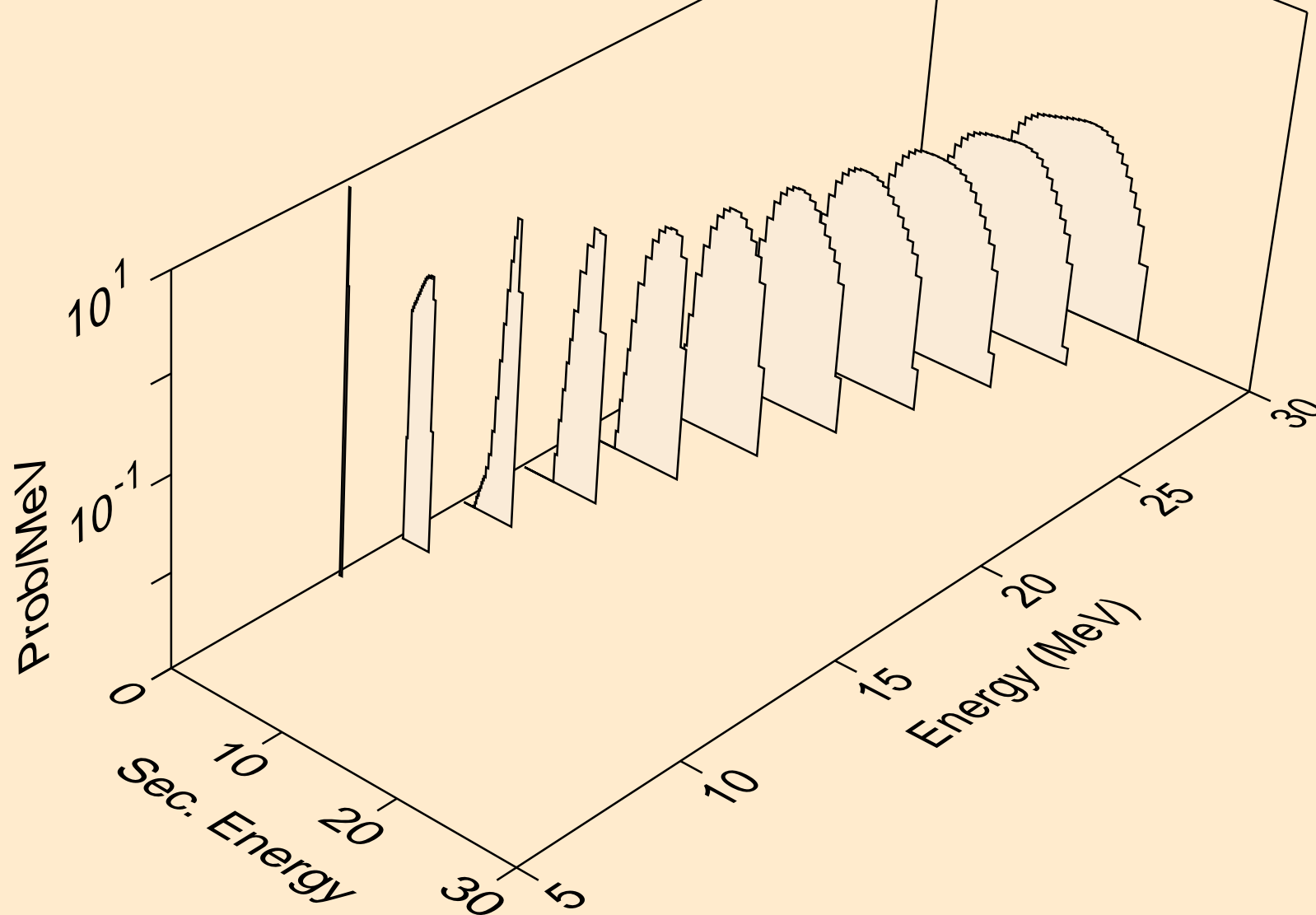


HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,x)

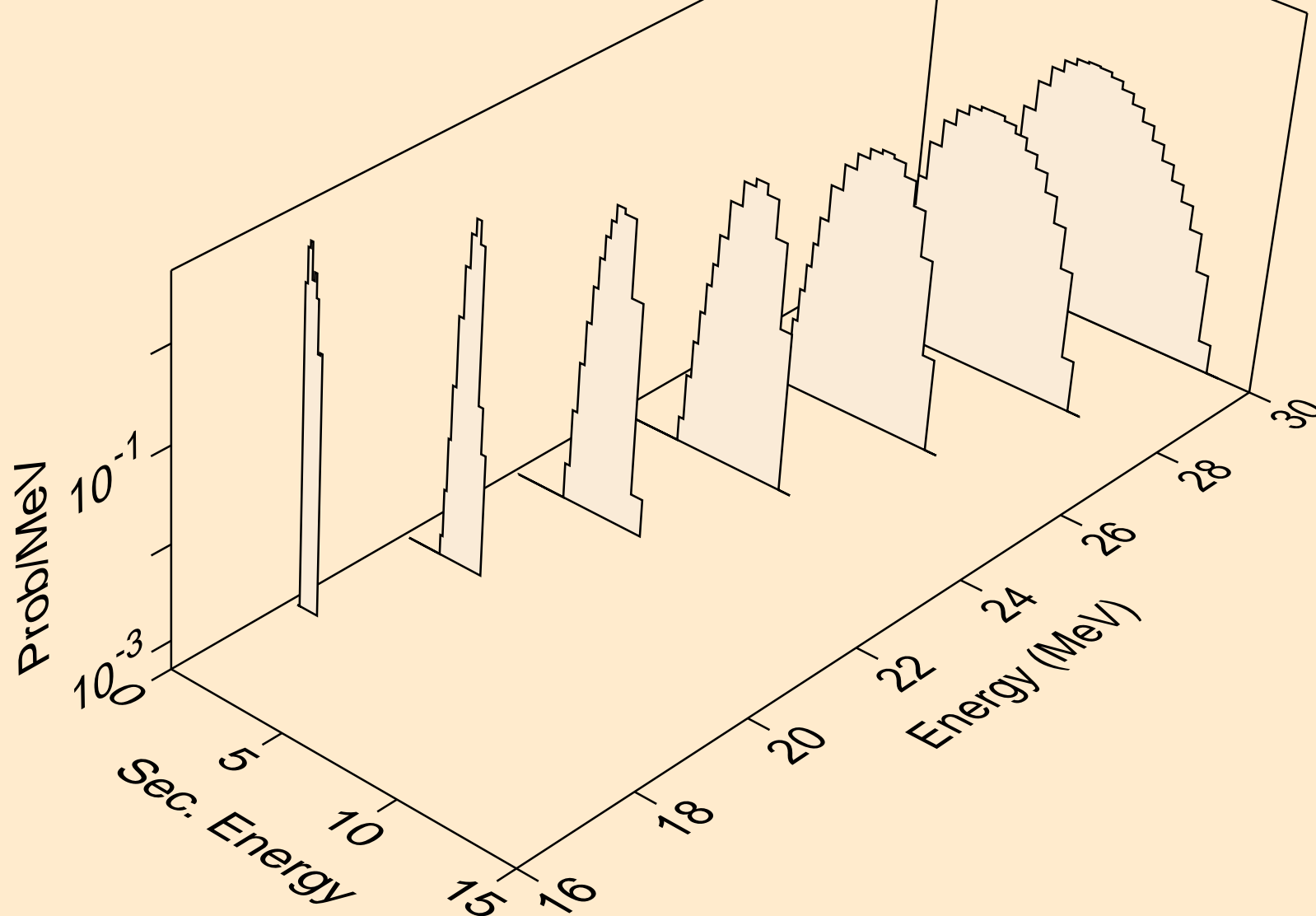


# HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K

Proton emission for  $(p,n^*)p$

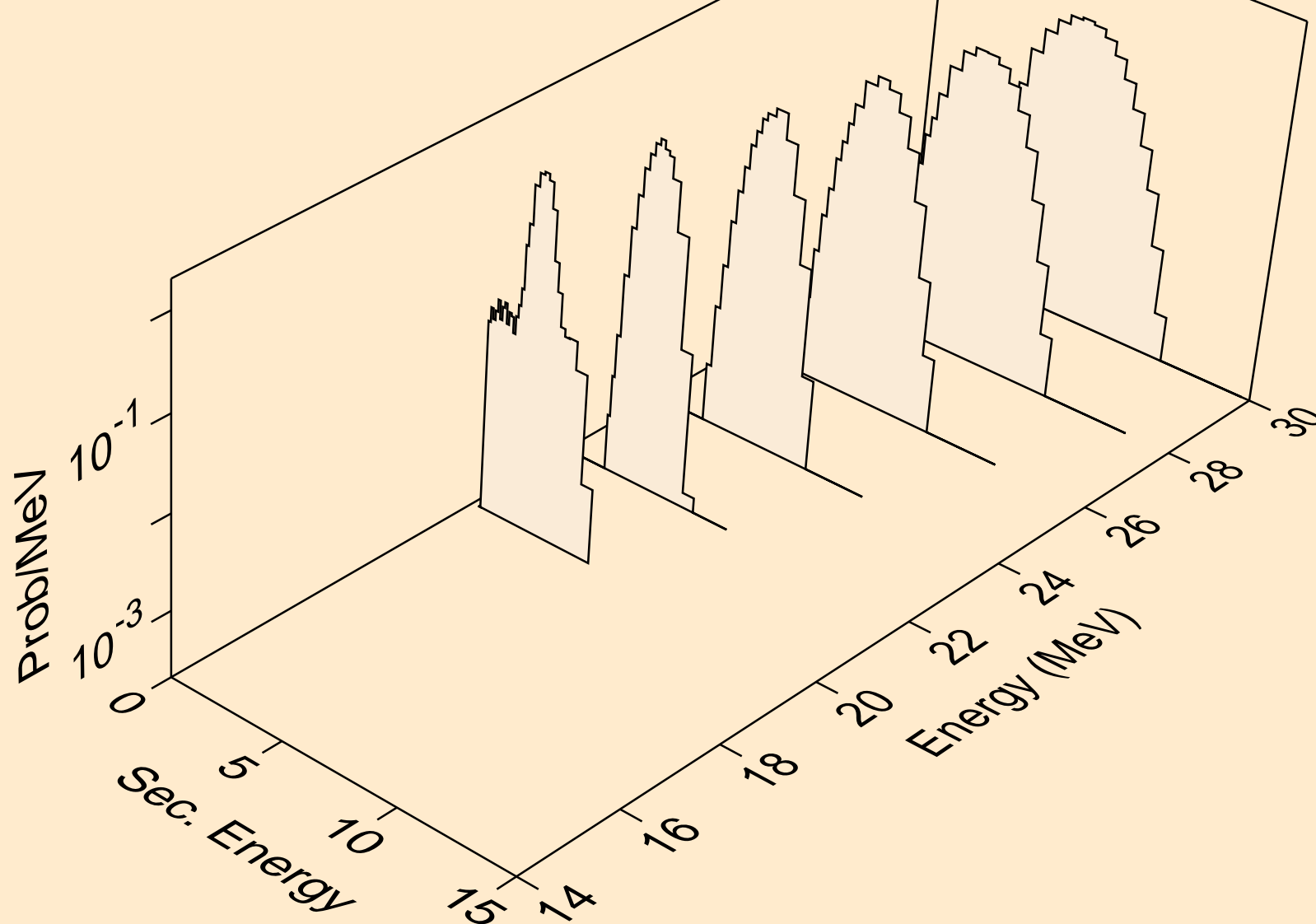


HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)



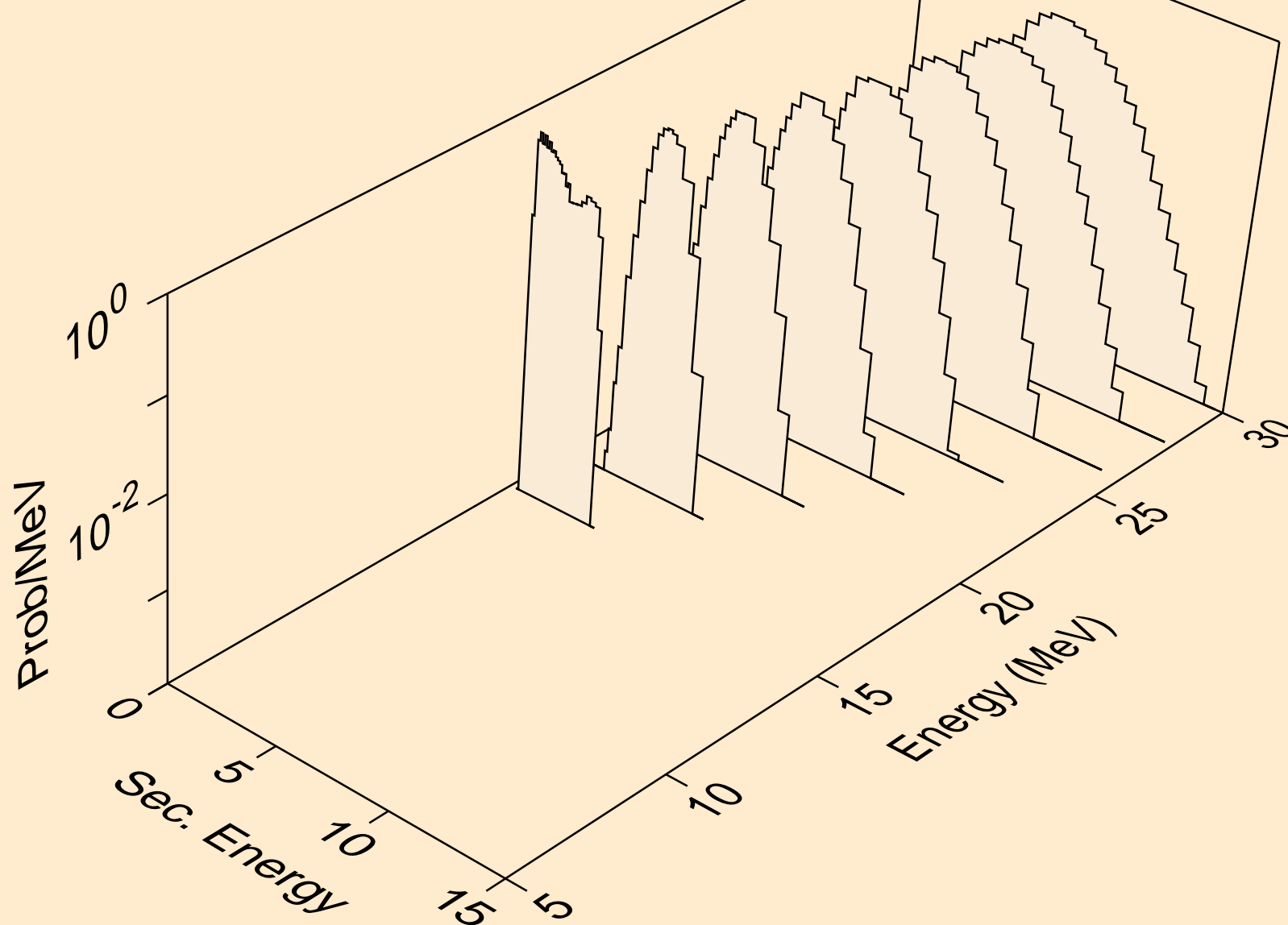
# HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K

Proton emission for (p,2np)

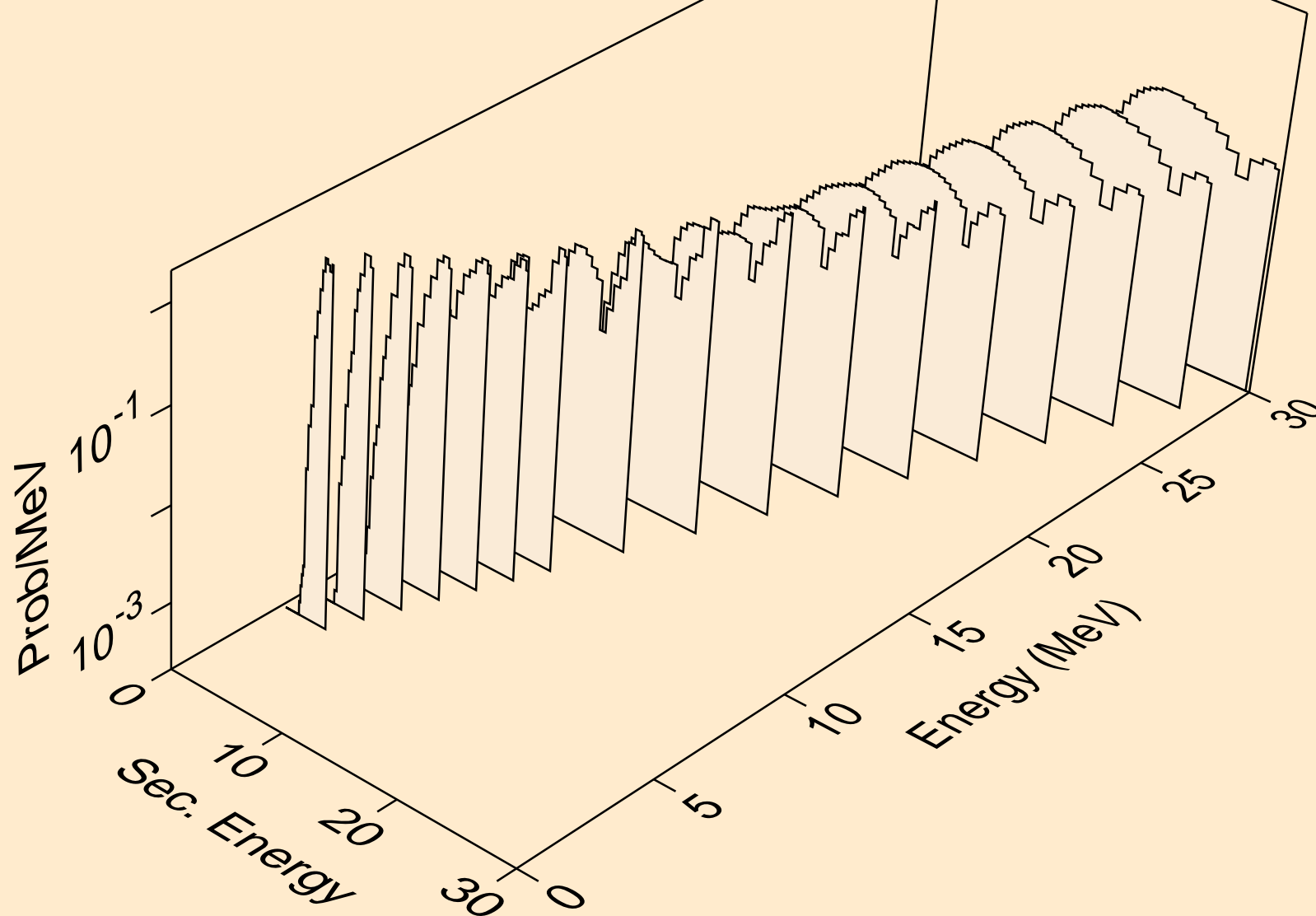


# HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K

Proton emission for (p,npa)

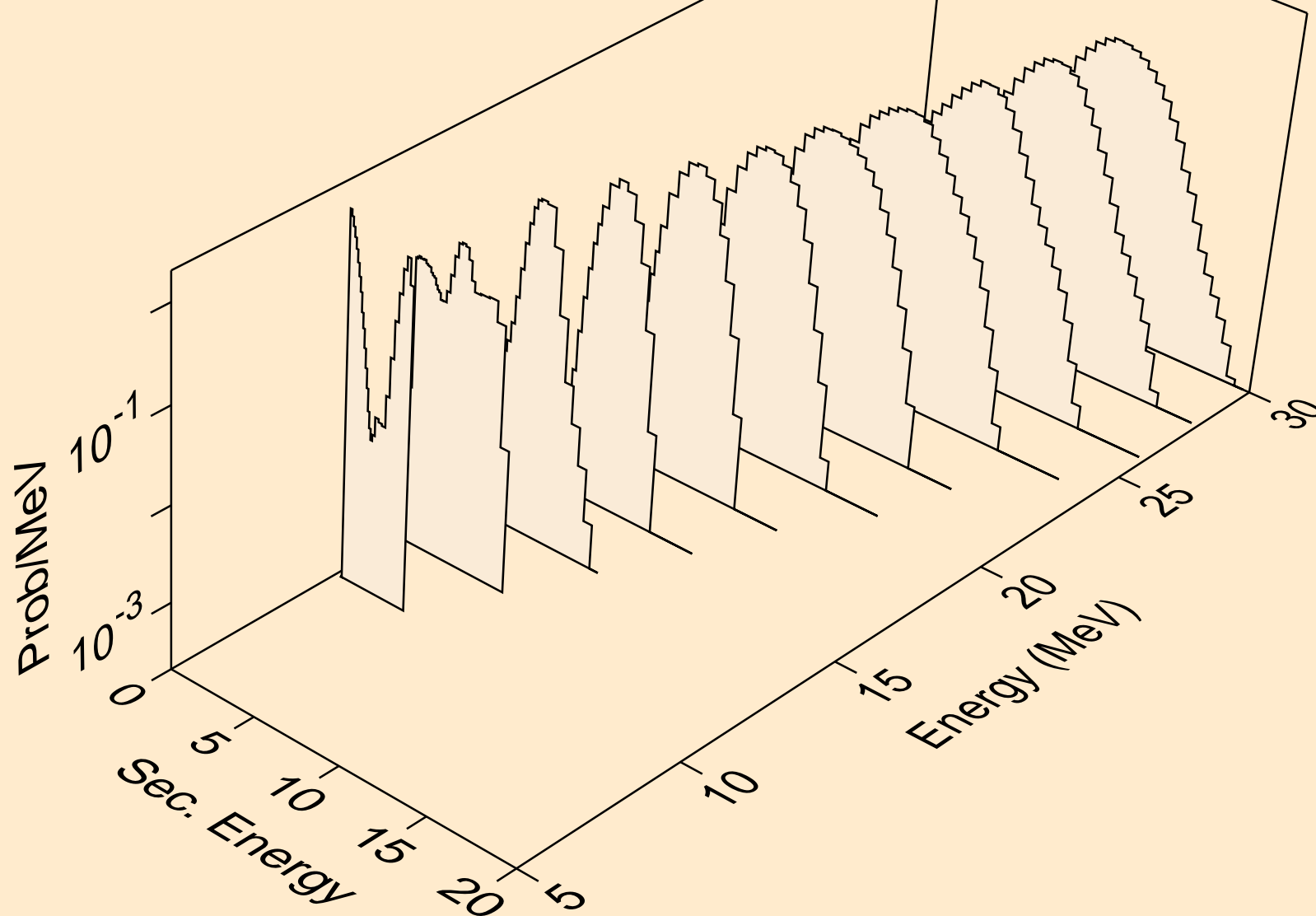


HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for inelastic



# HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K

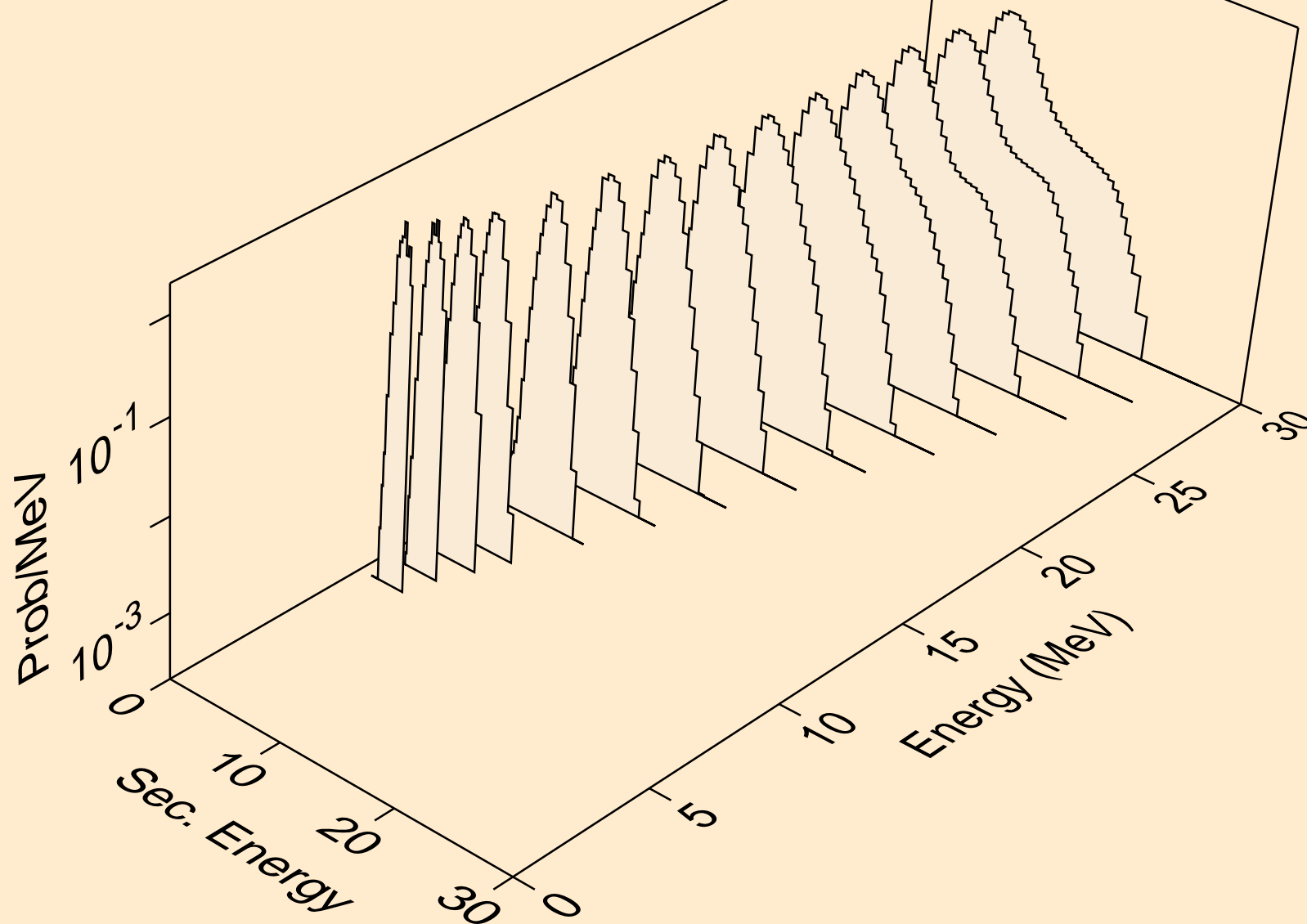
Proton emission for (p,2p)





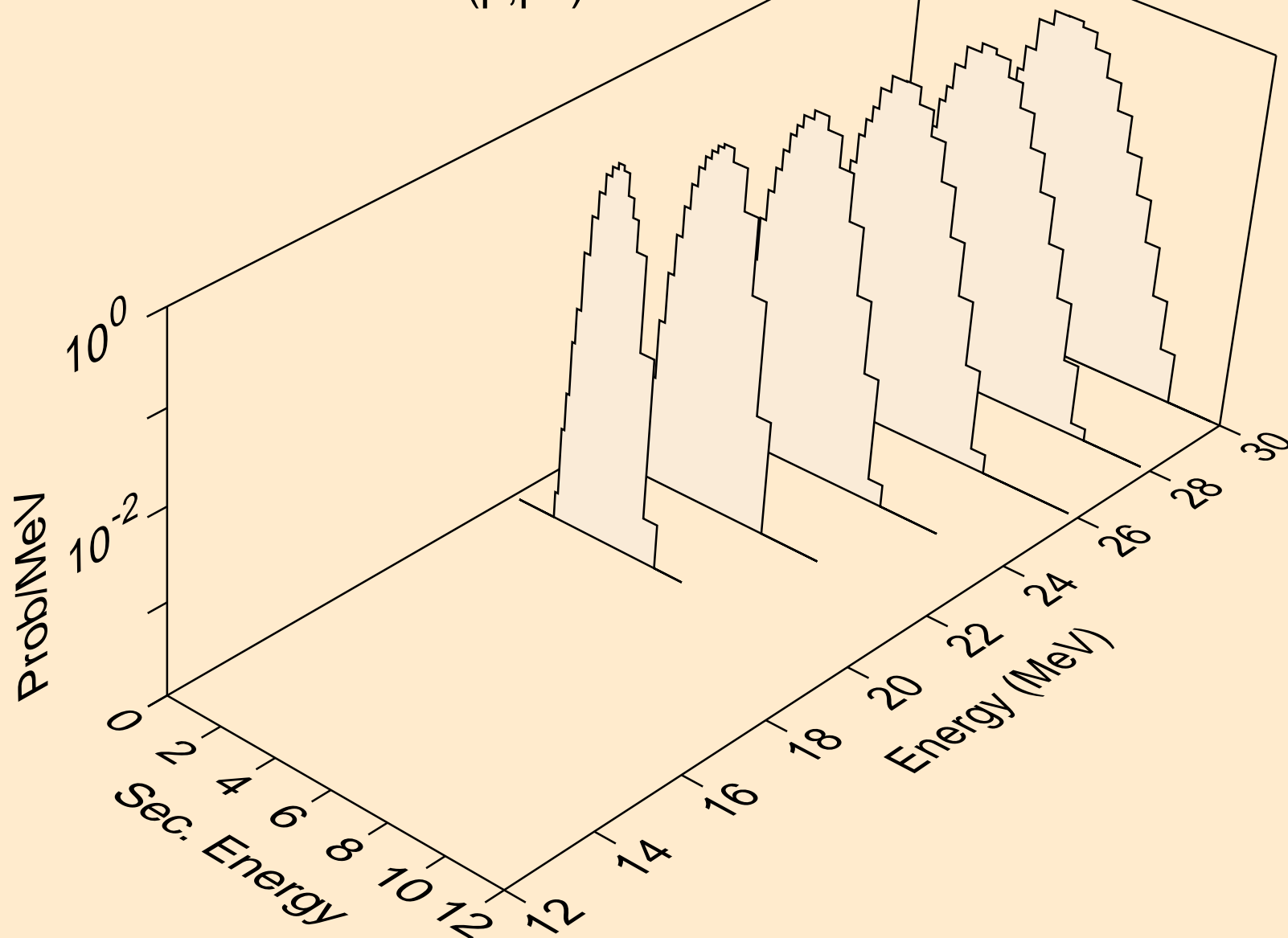
# HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K

Proton emission for (p,pa)



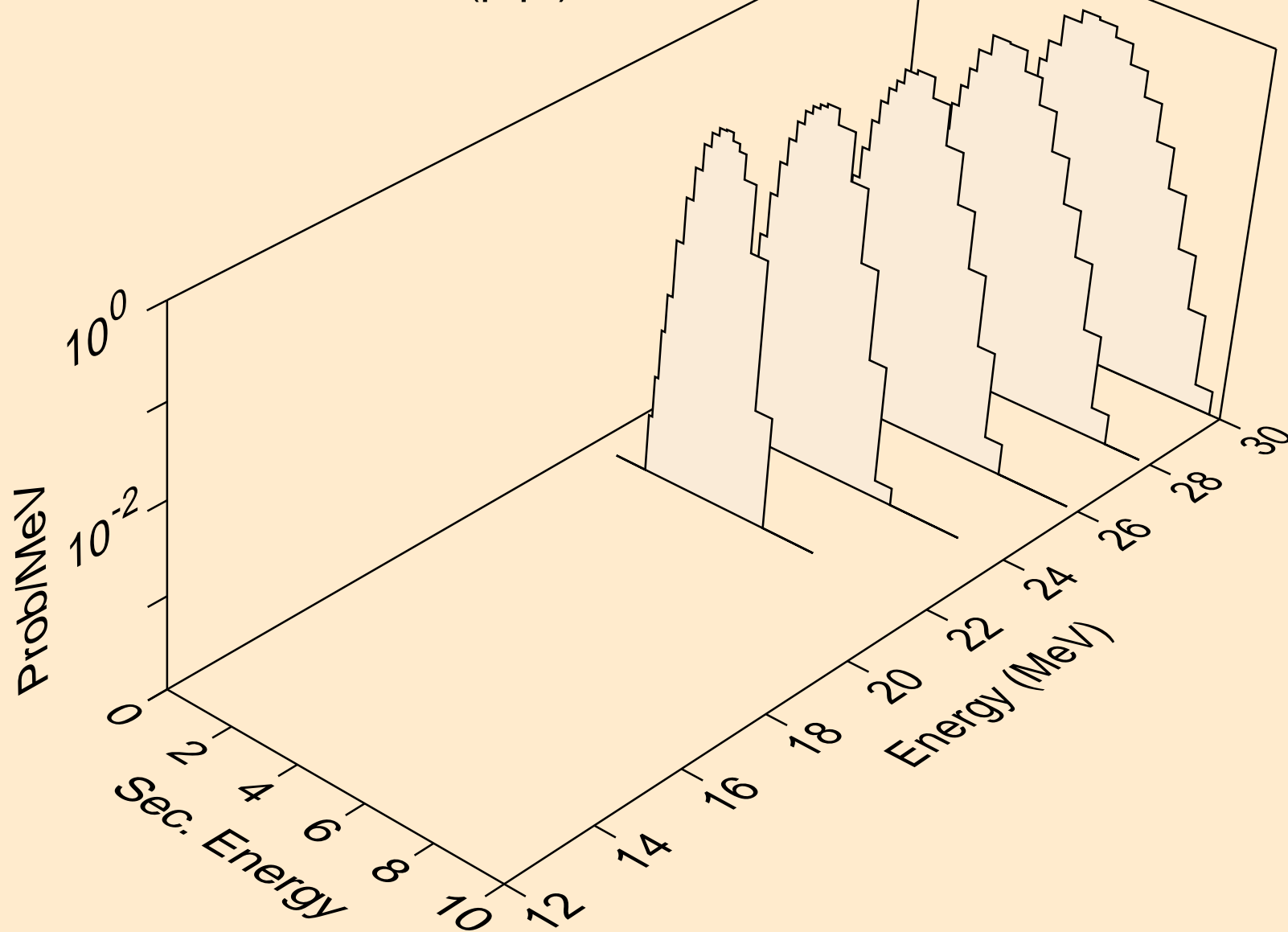
# HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K

Proton emission for (p,pd)

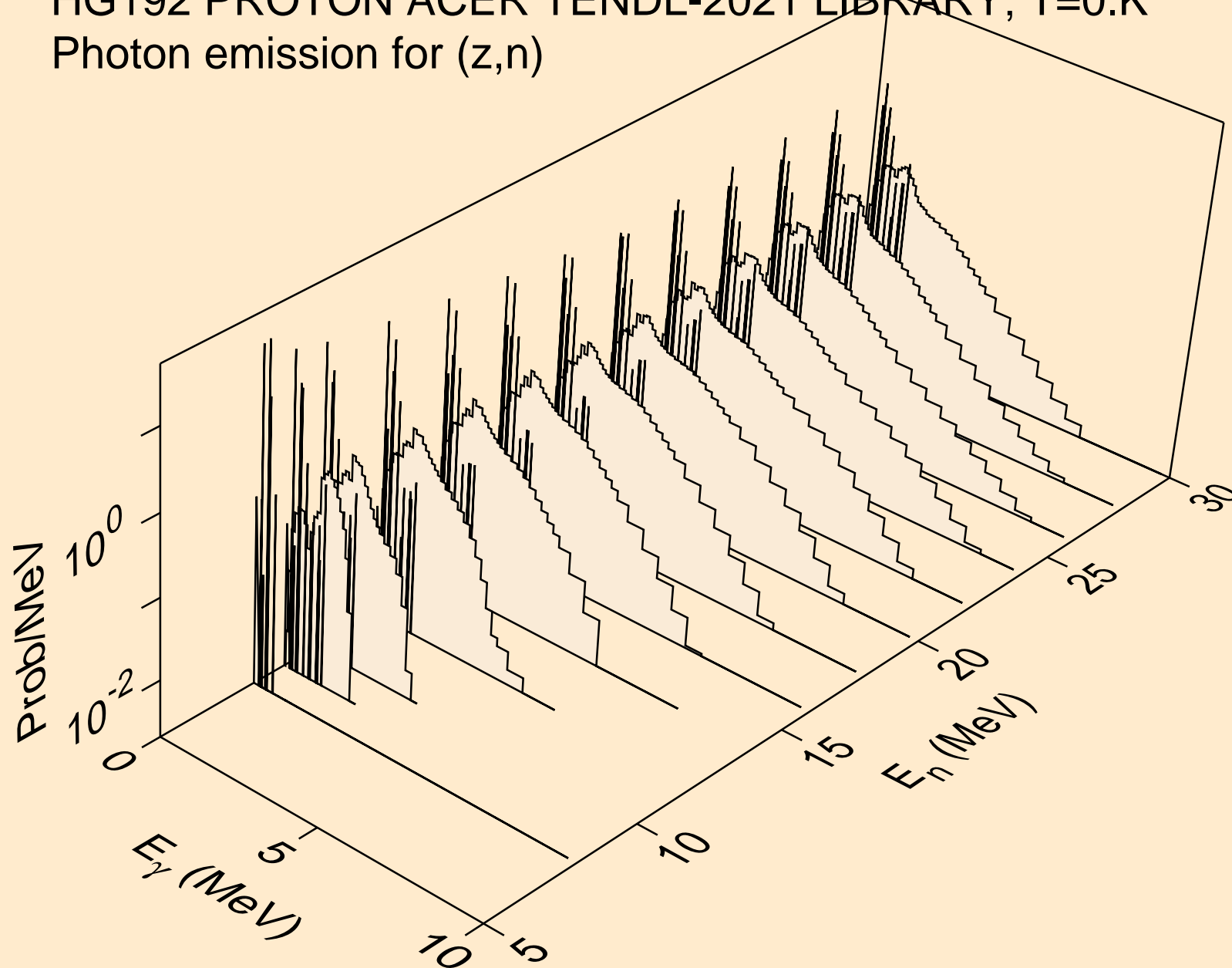


# HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K

Proton emission for (p,pt)

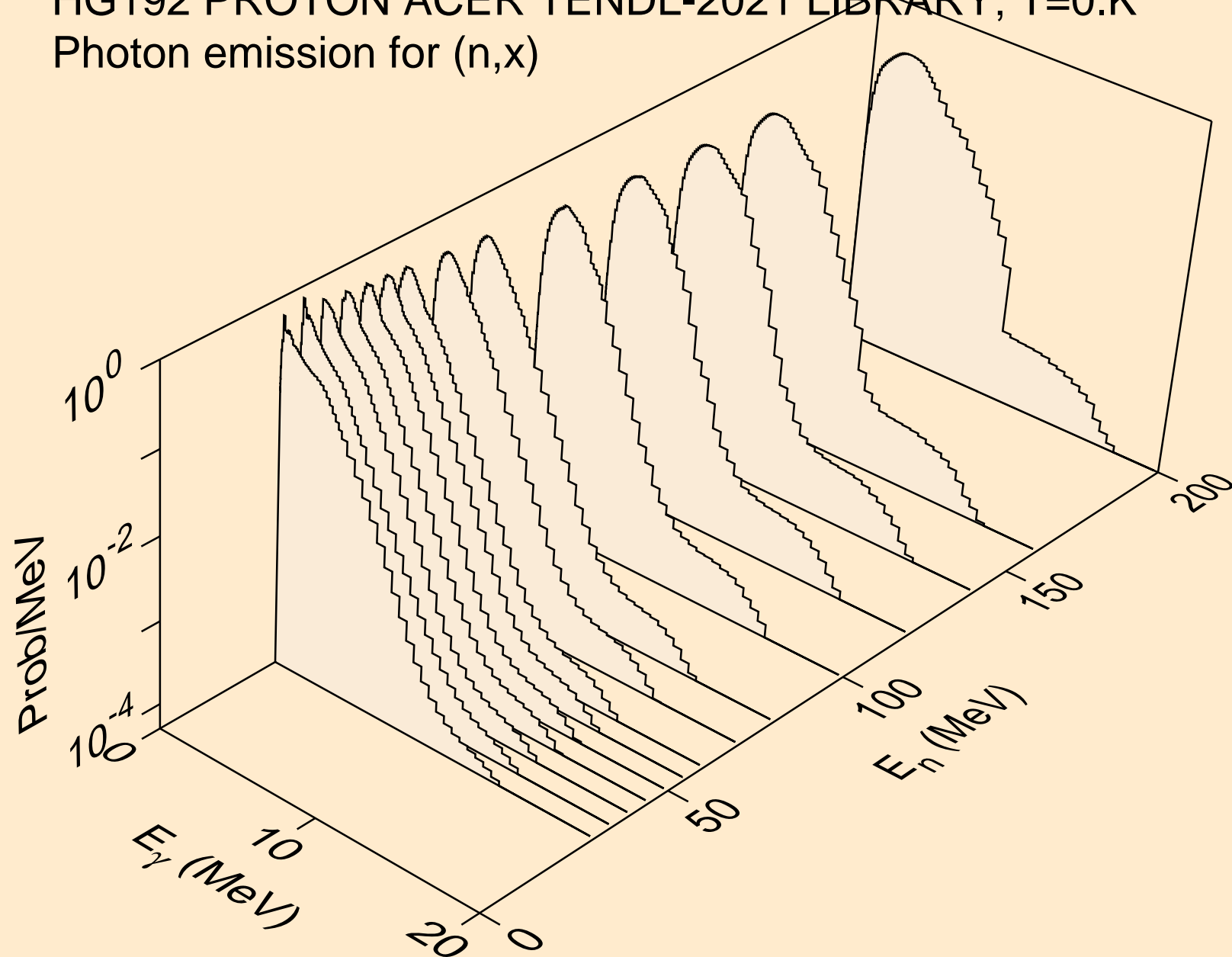


HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)

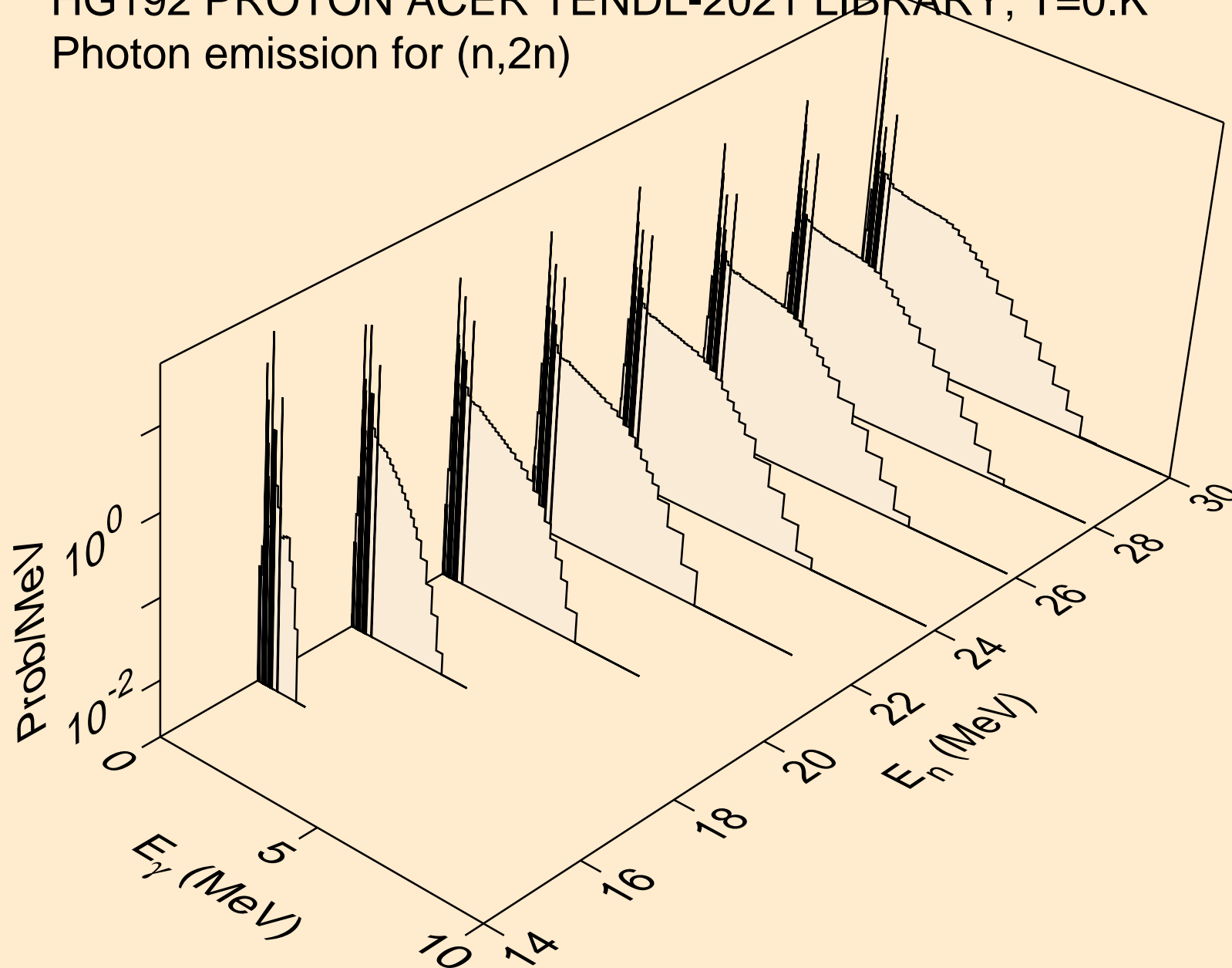


# HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K

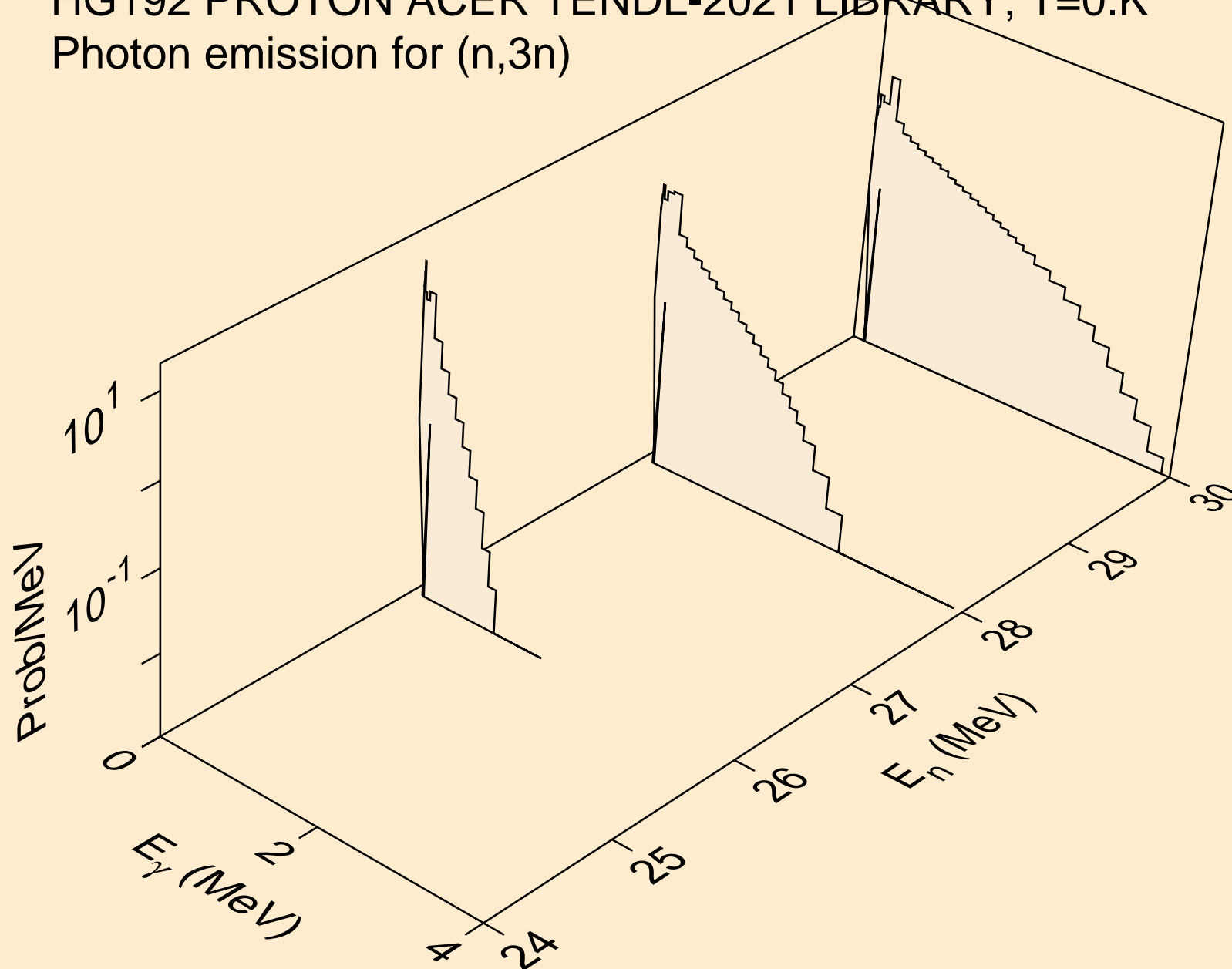
Photon emission for (n,x)



HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)

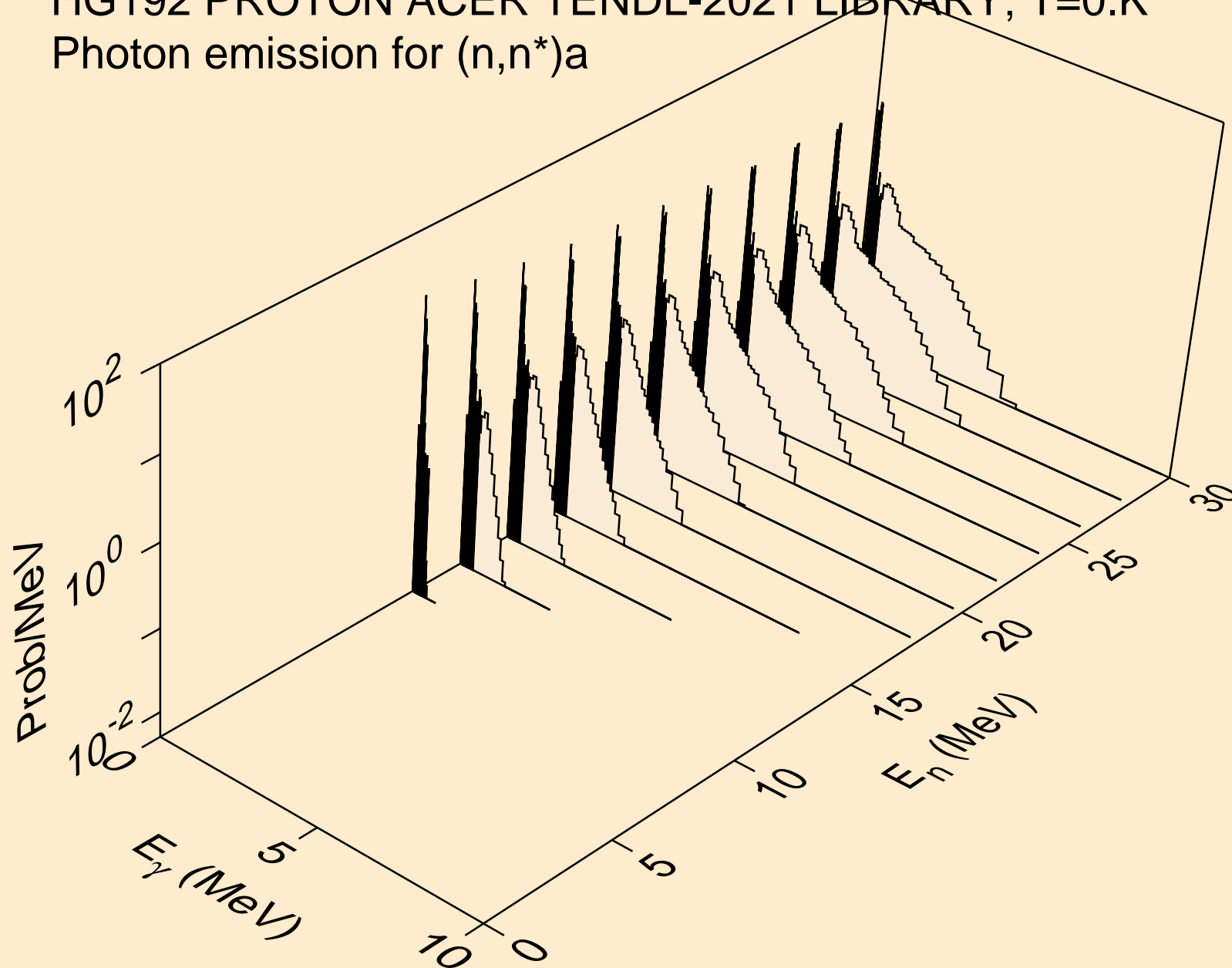


HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)



# HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K

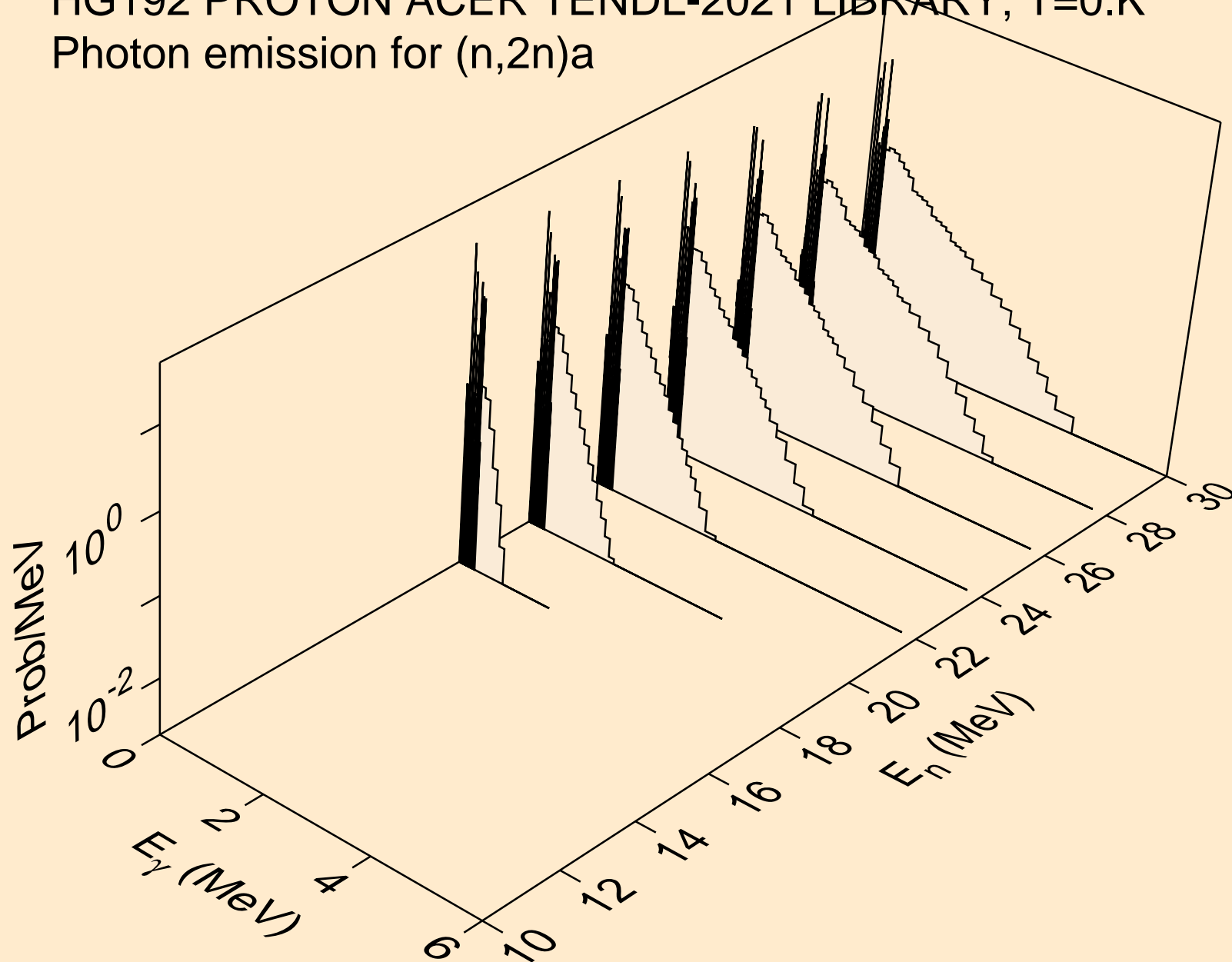
Photon emission for (n,n\*)a





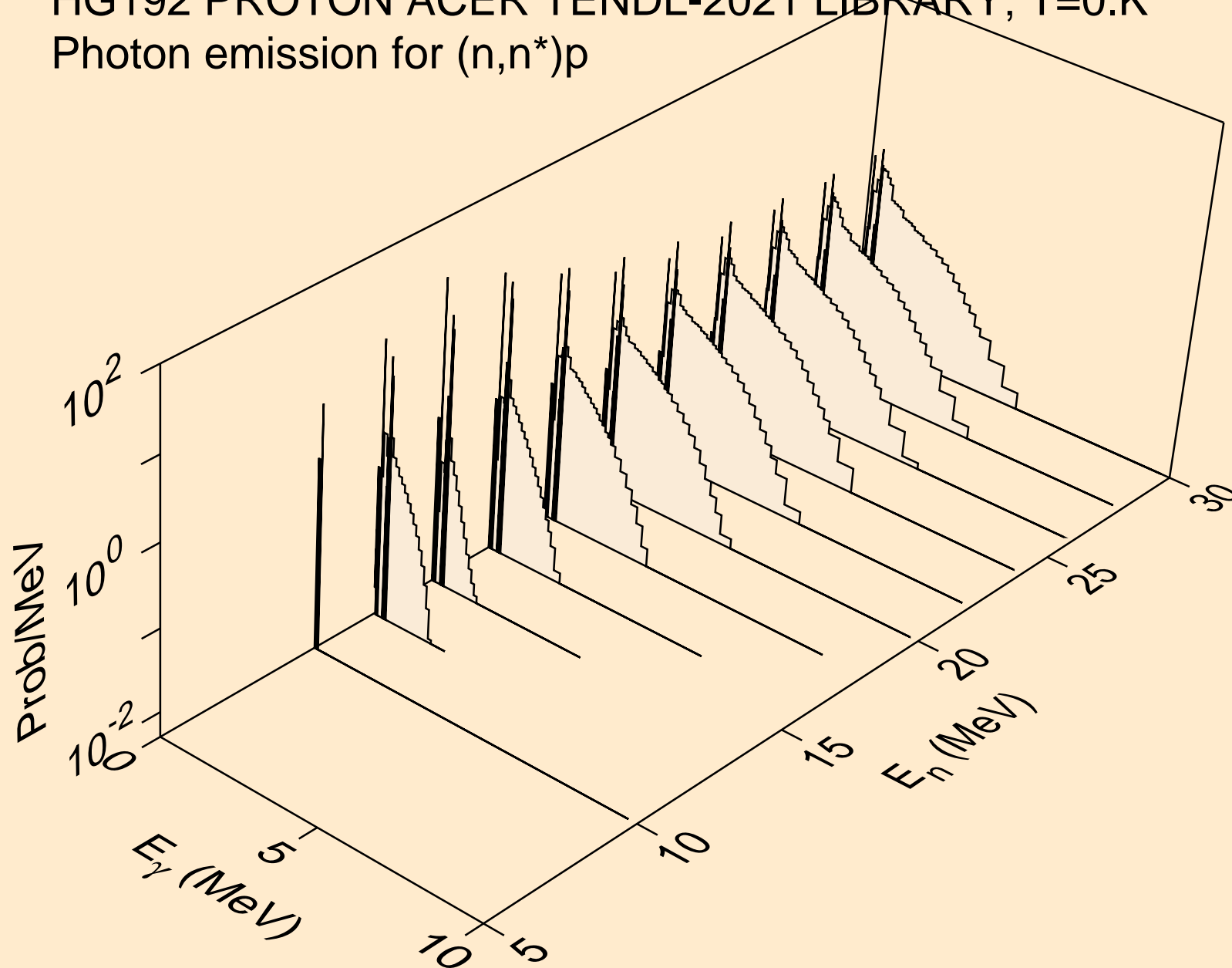
# HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,2n) $\alpha$

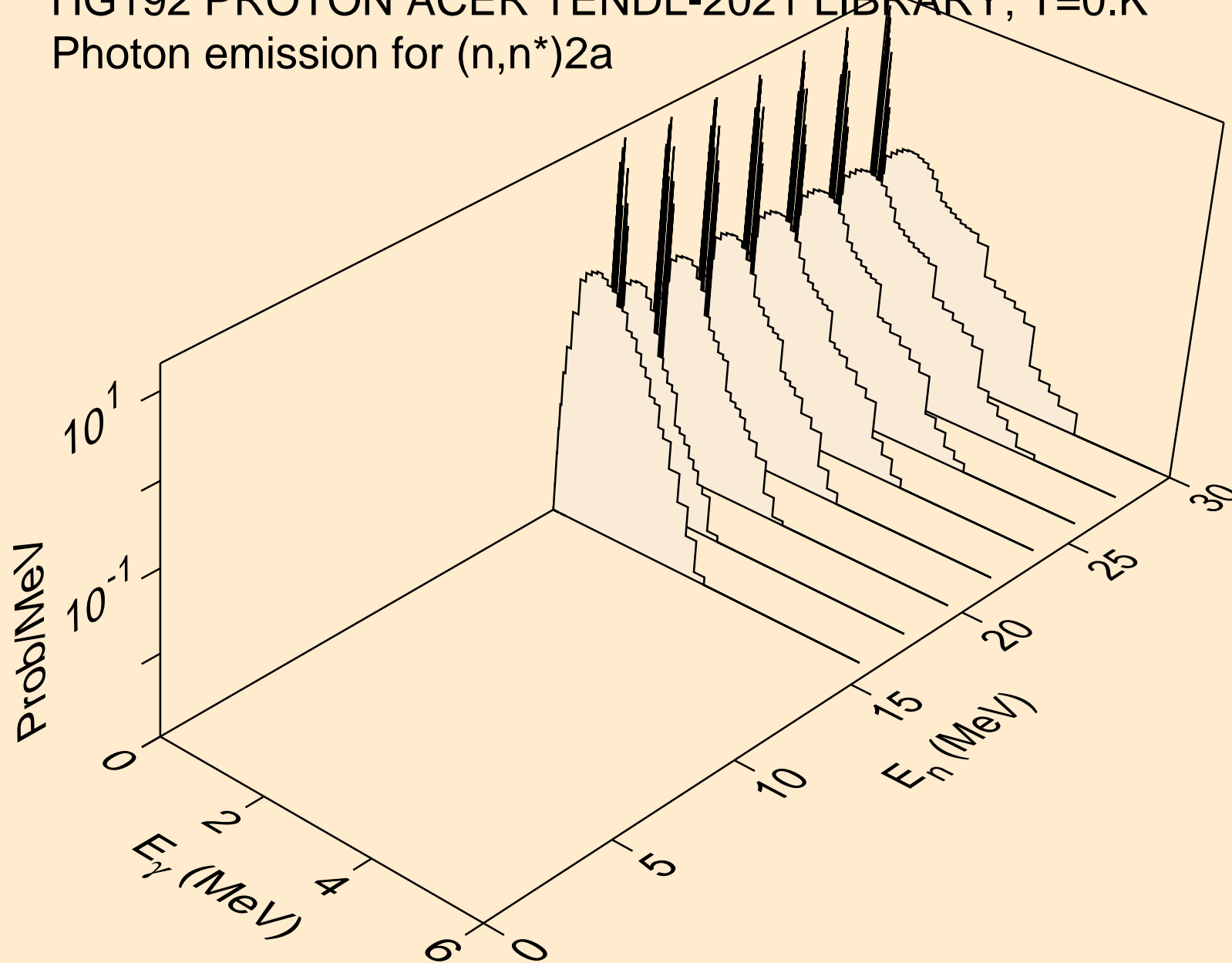


# HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,n\*)p

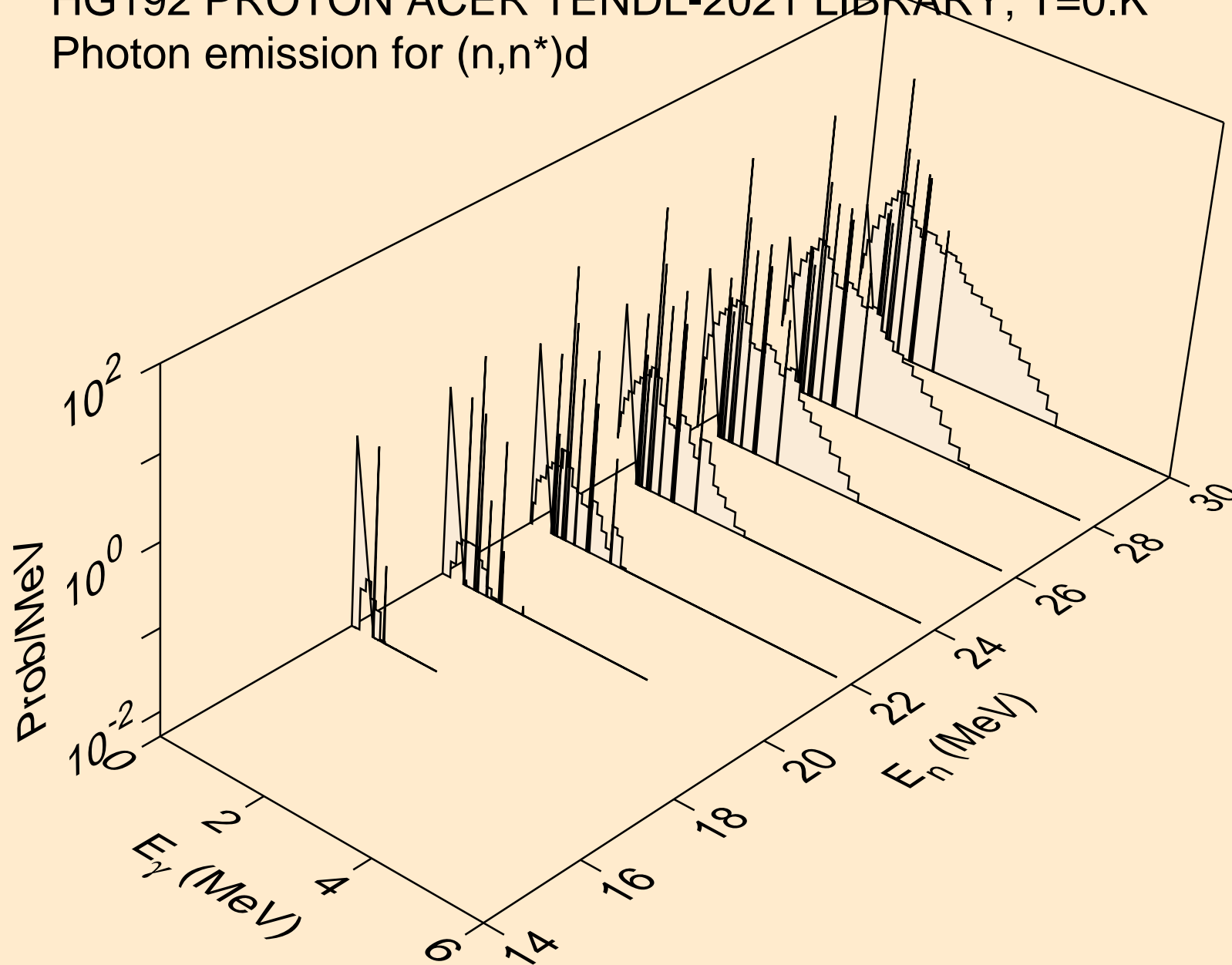


HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



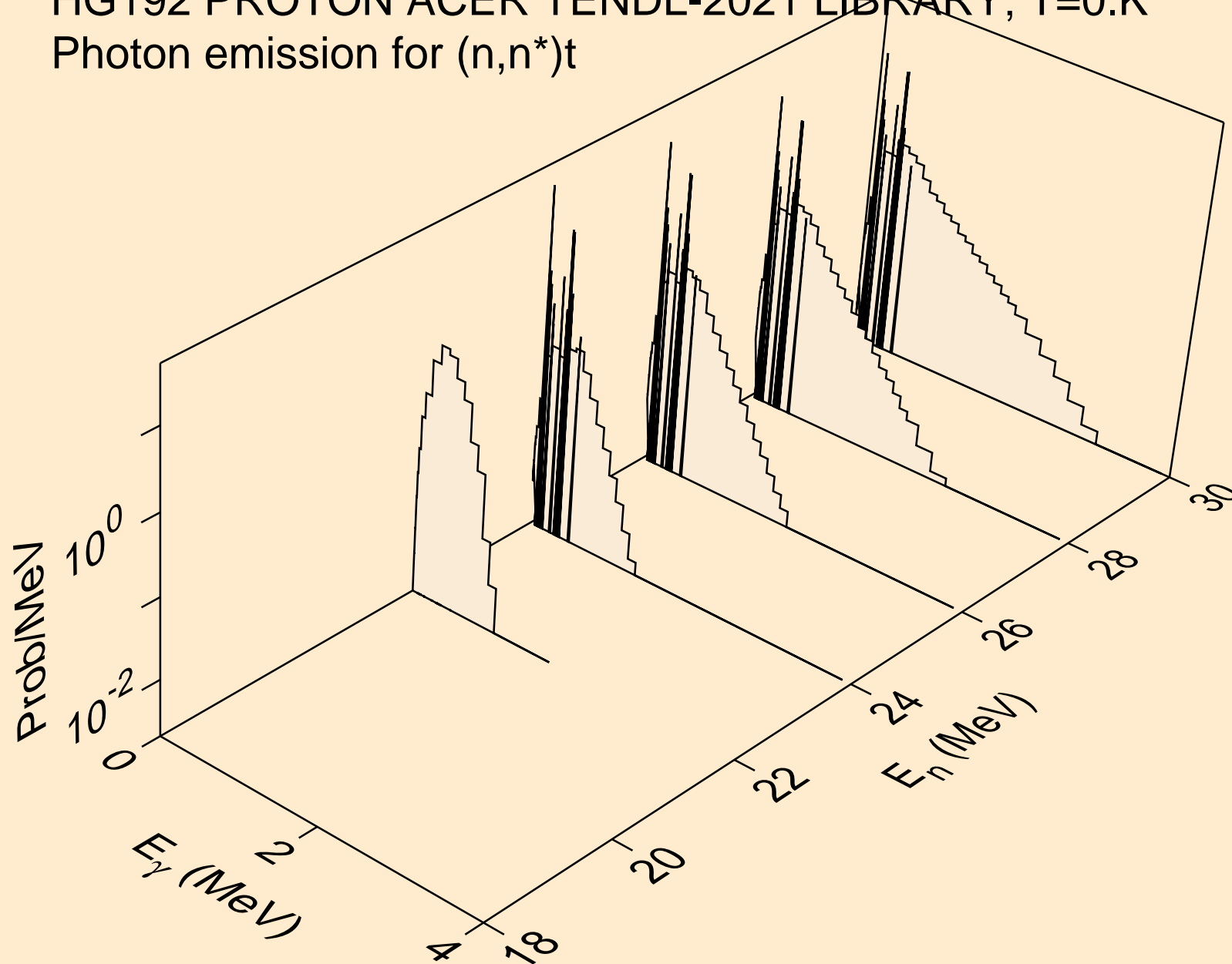
# HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,n\*)d



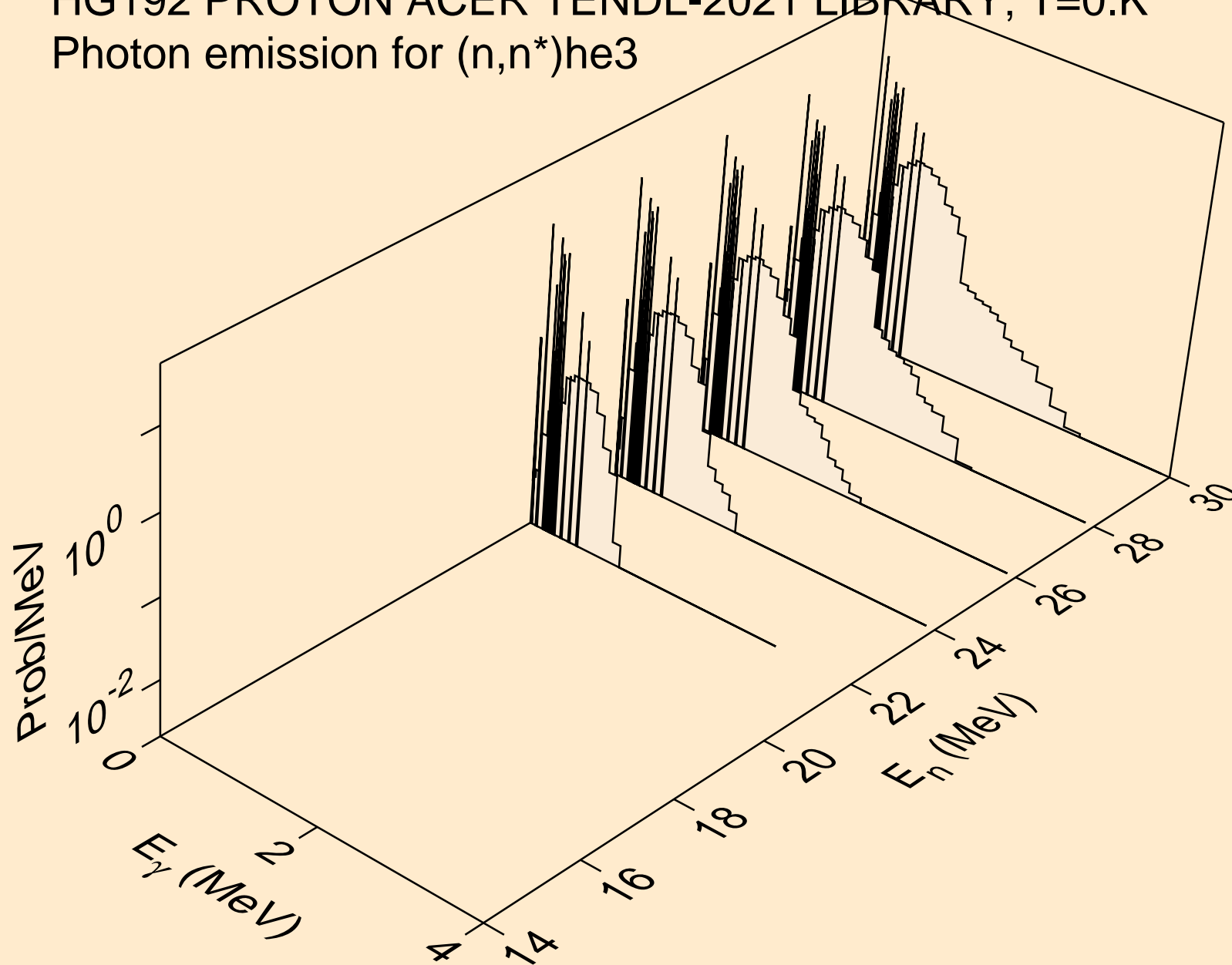
# HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,n\*)t

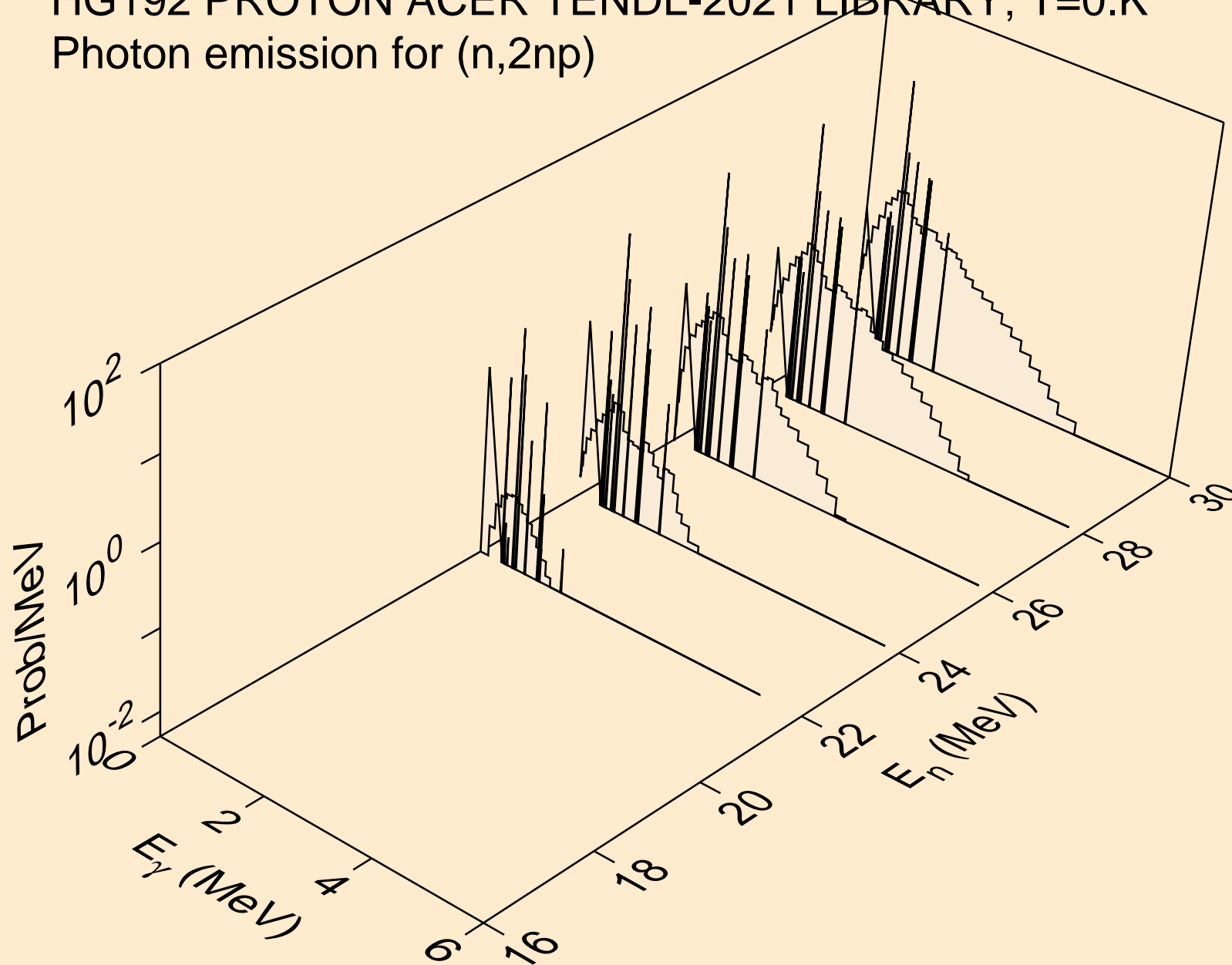


# HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K

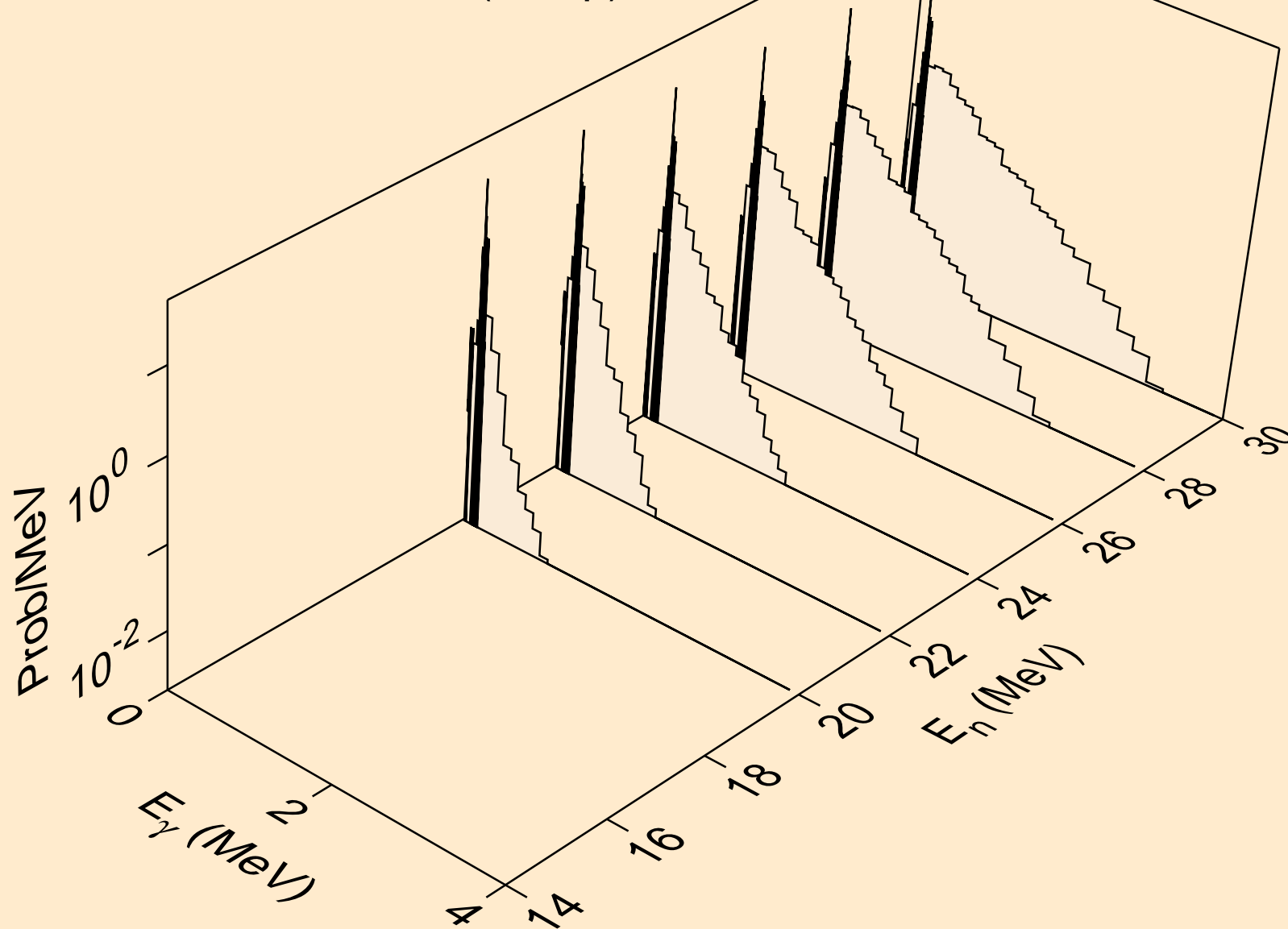
Photon emission for (n,n\*)he3



HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



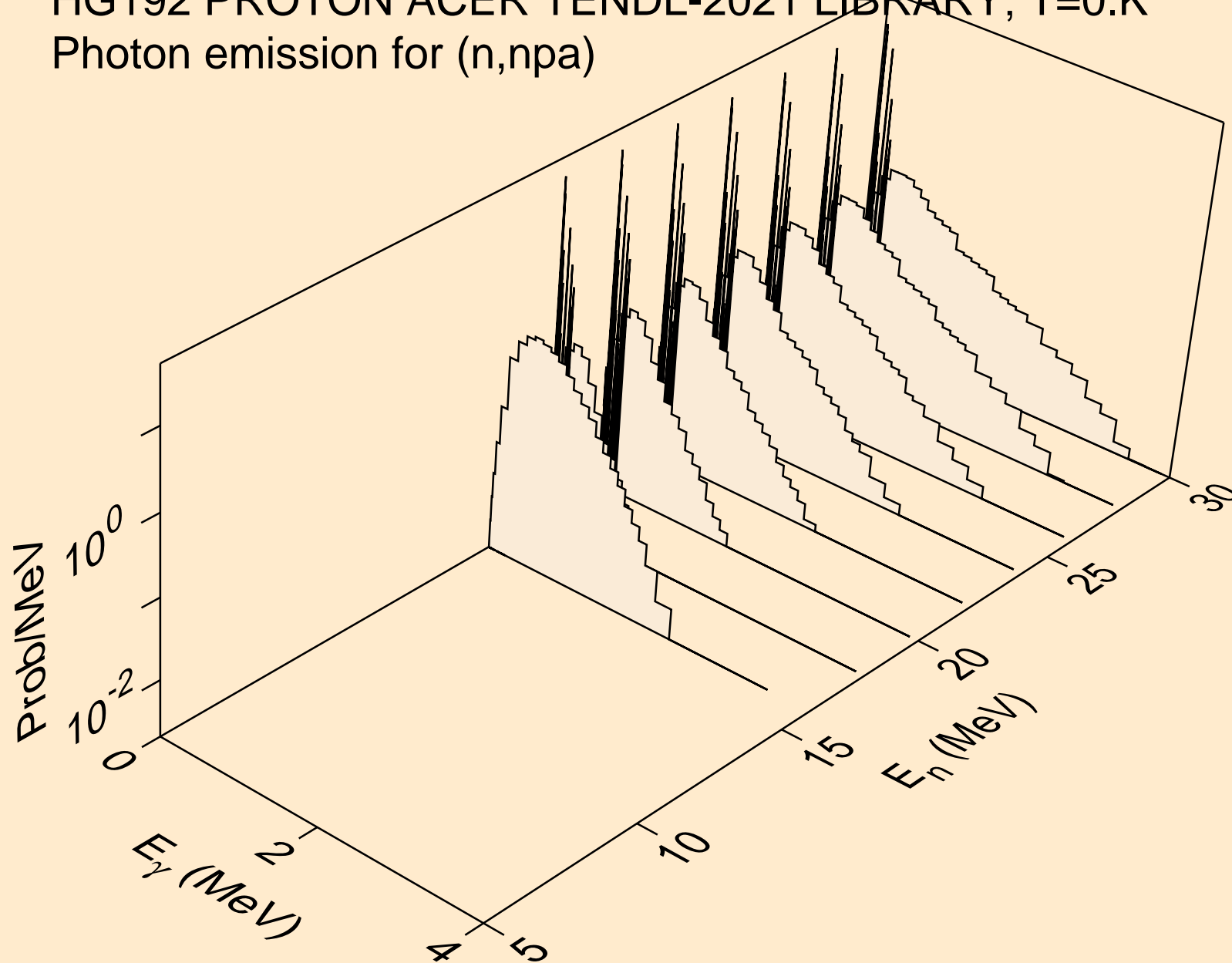
HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



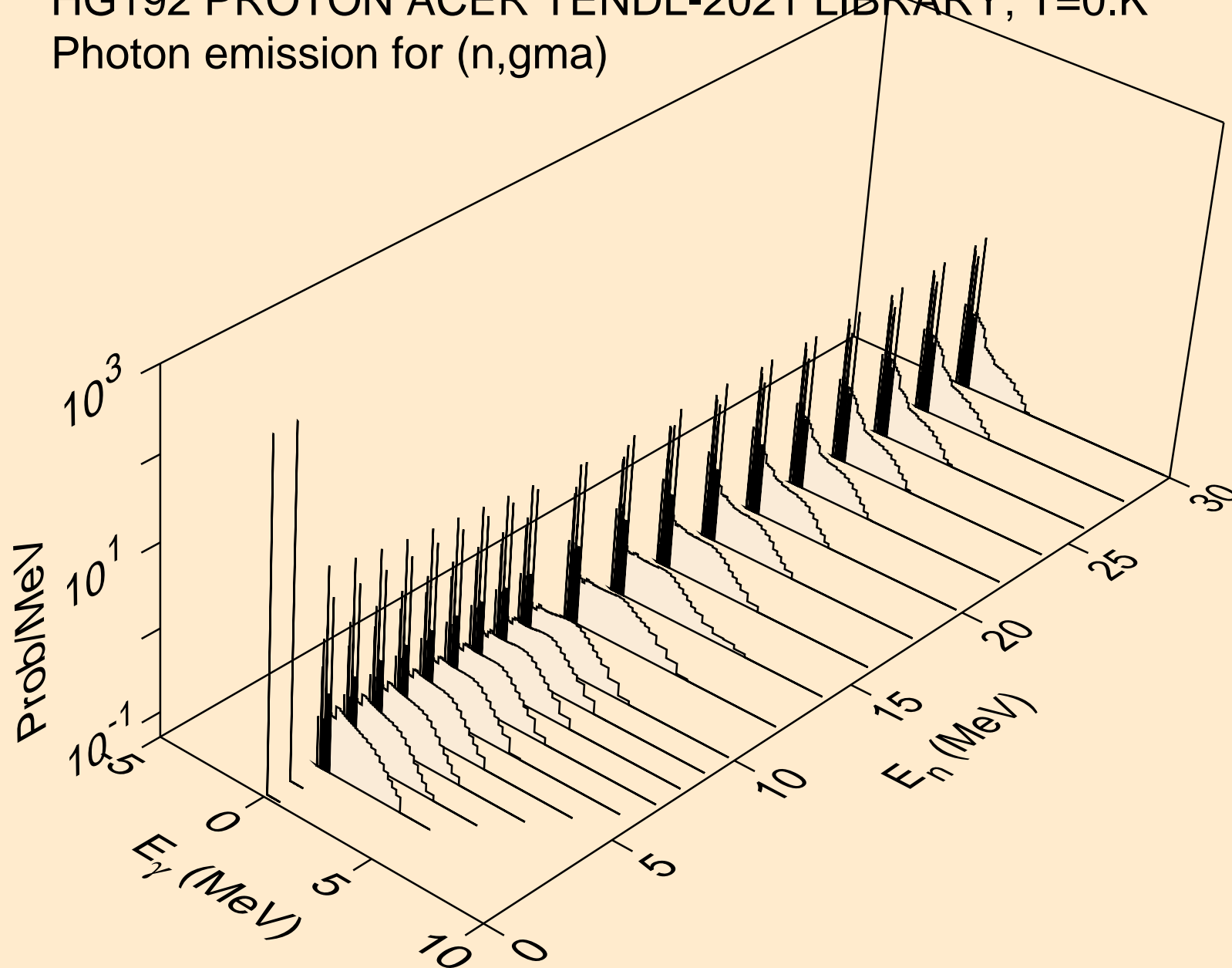


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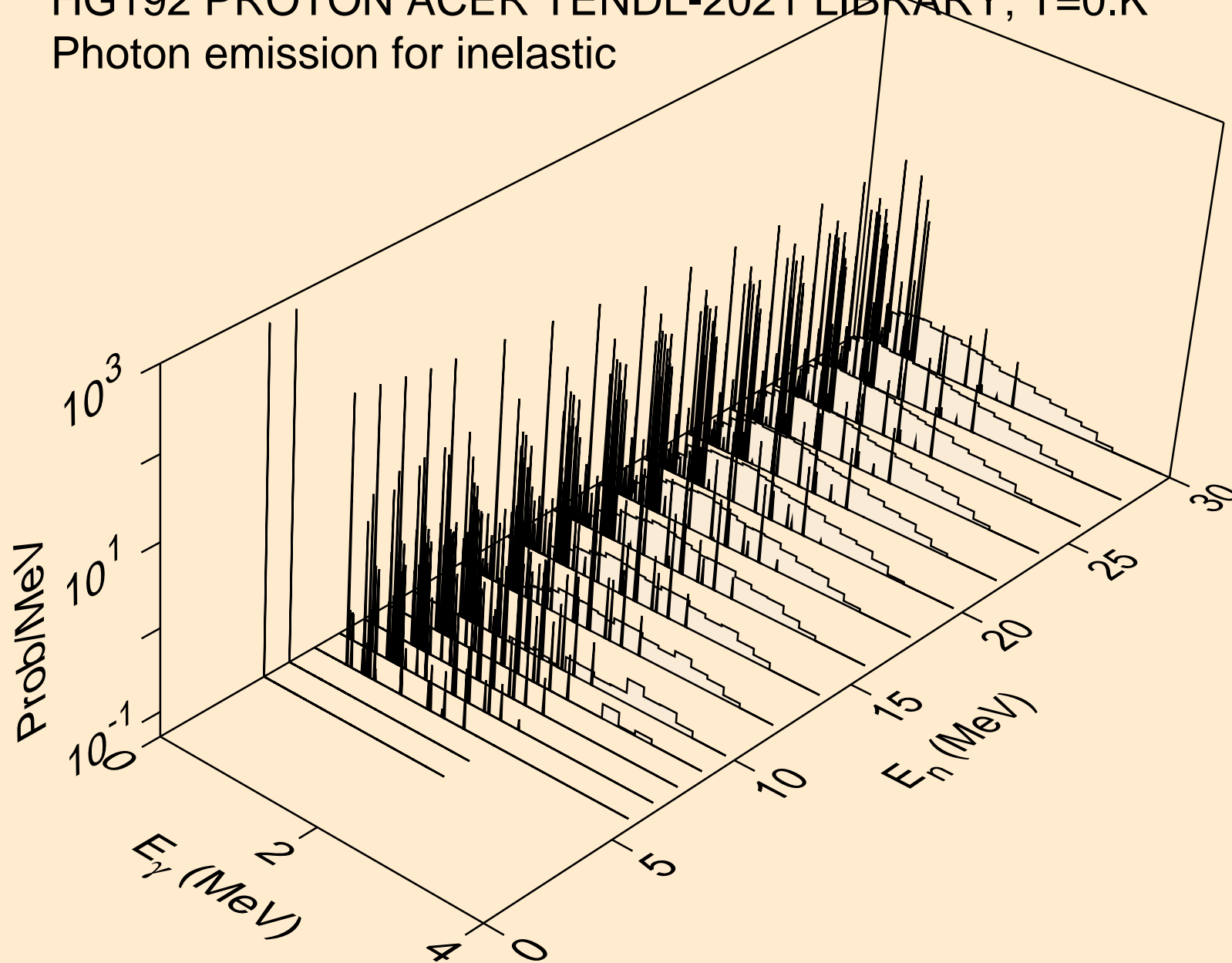
Photon emission for (n,npa)



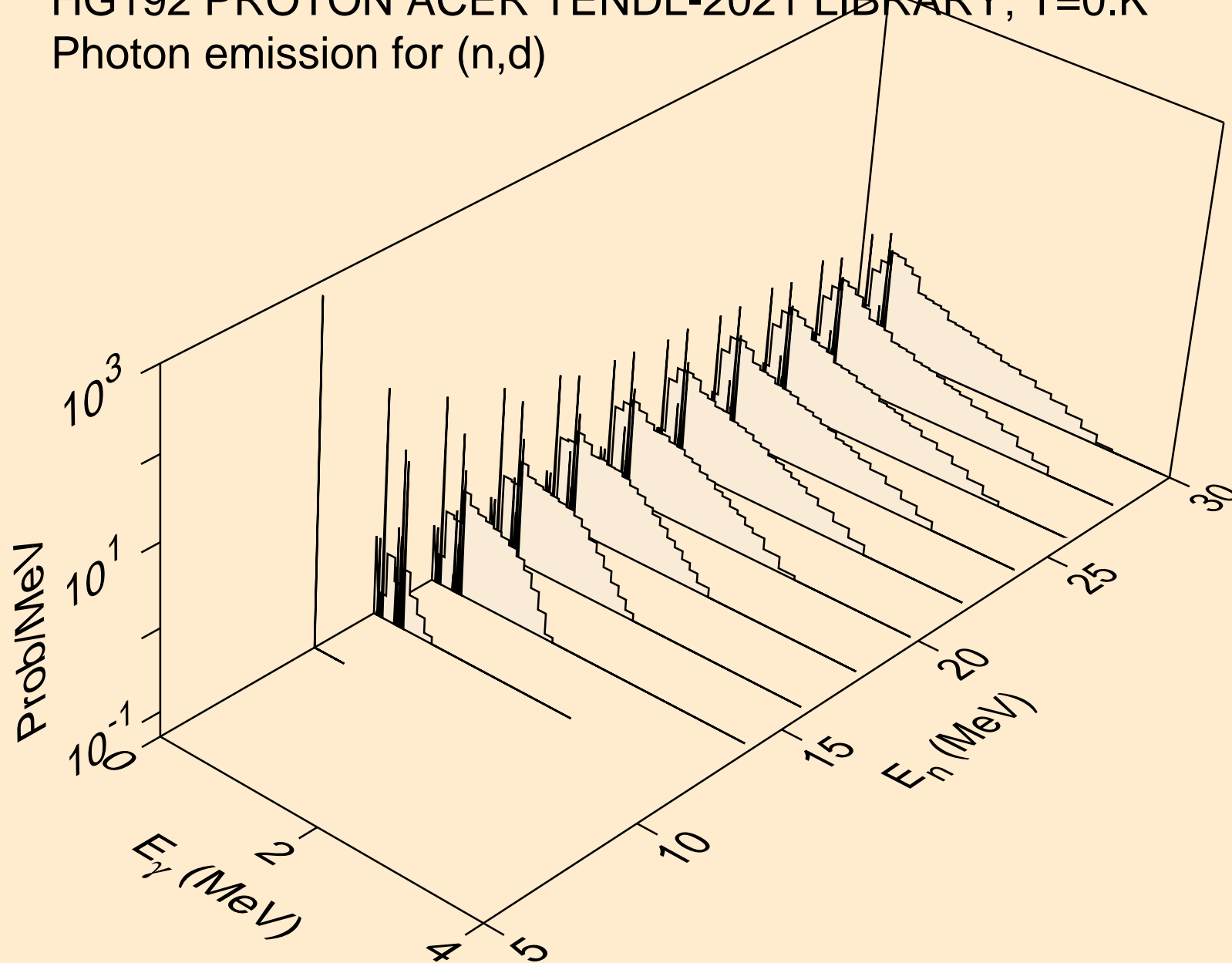
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Photon emission for (n,gma)



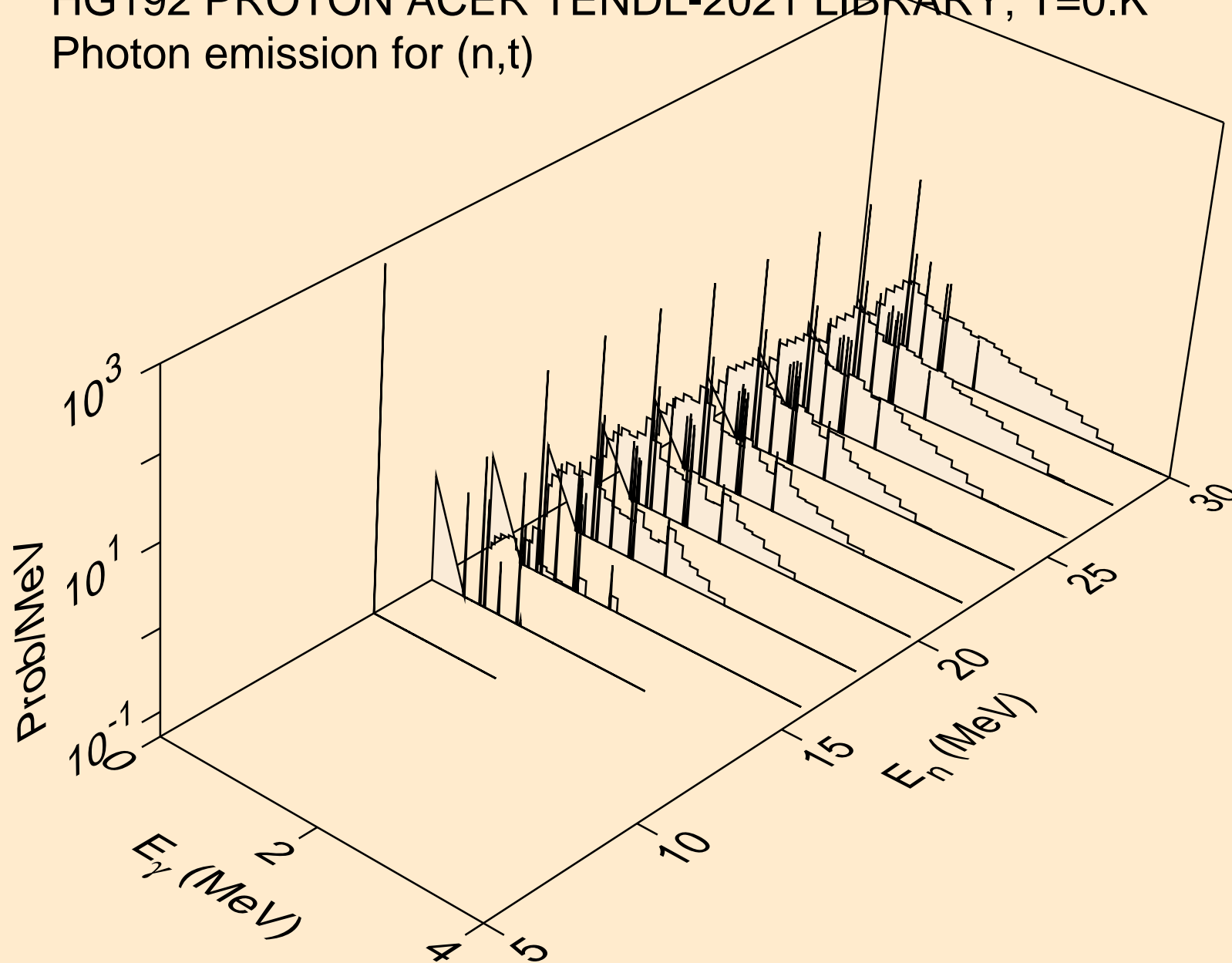
HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic



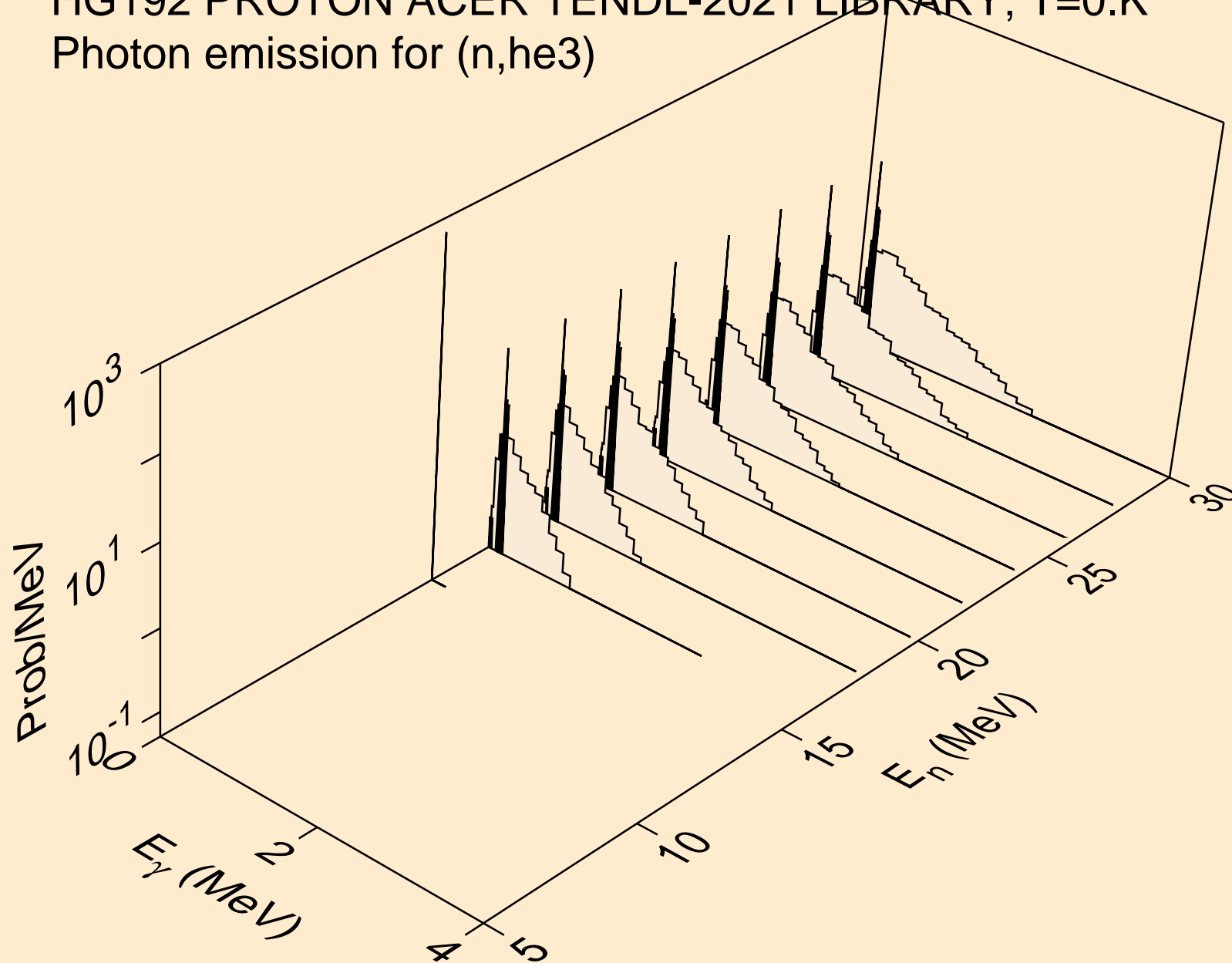
HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,d)



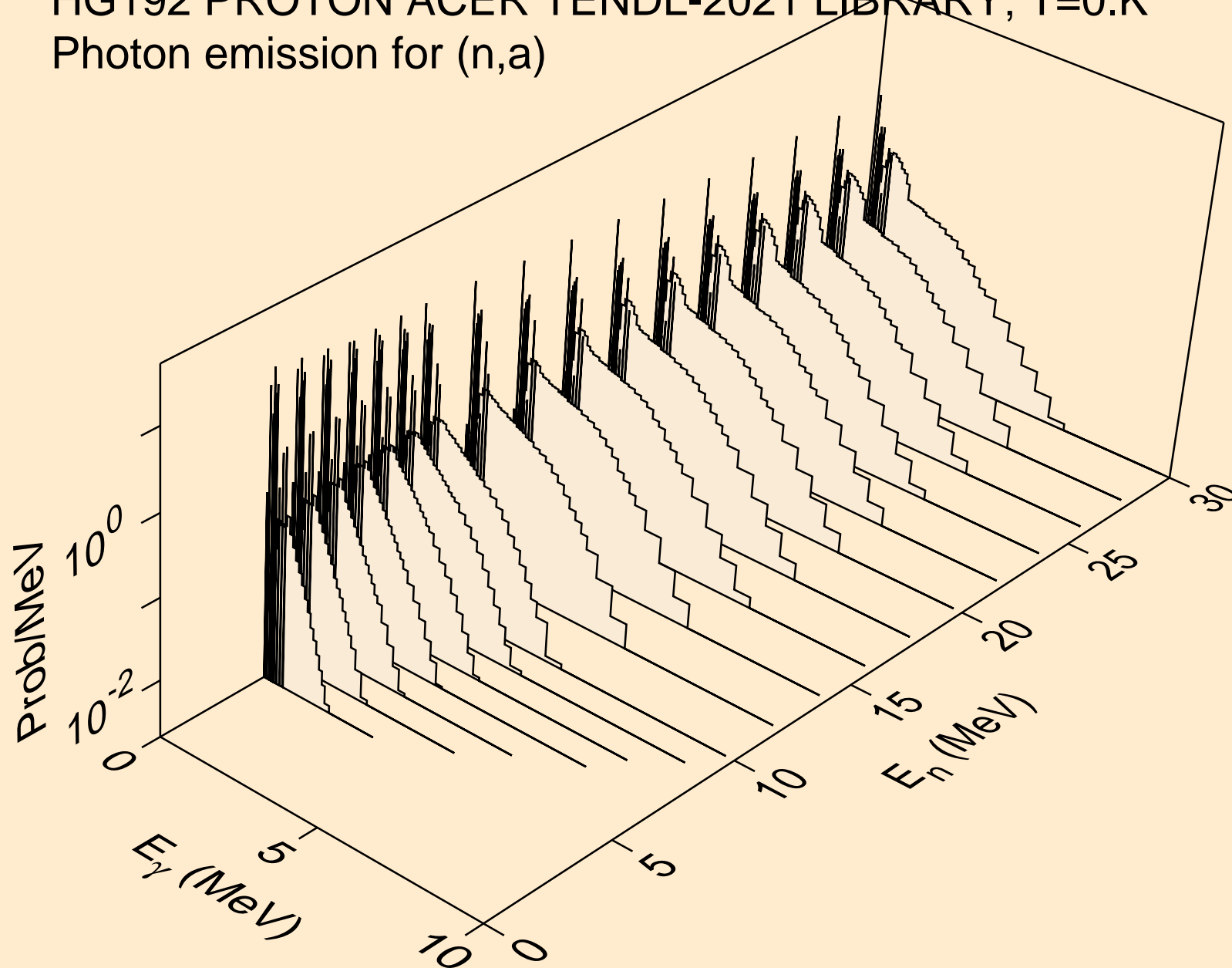
HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,t)



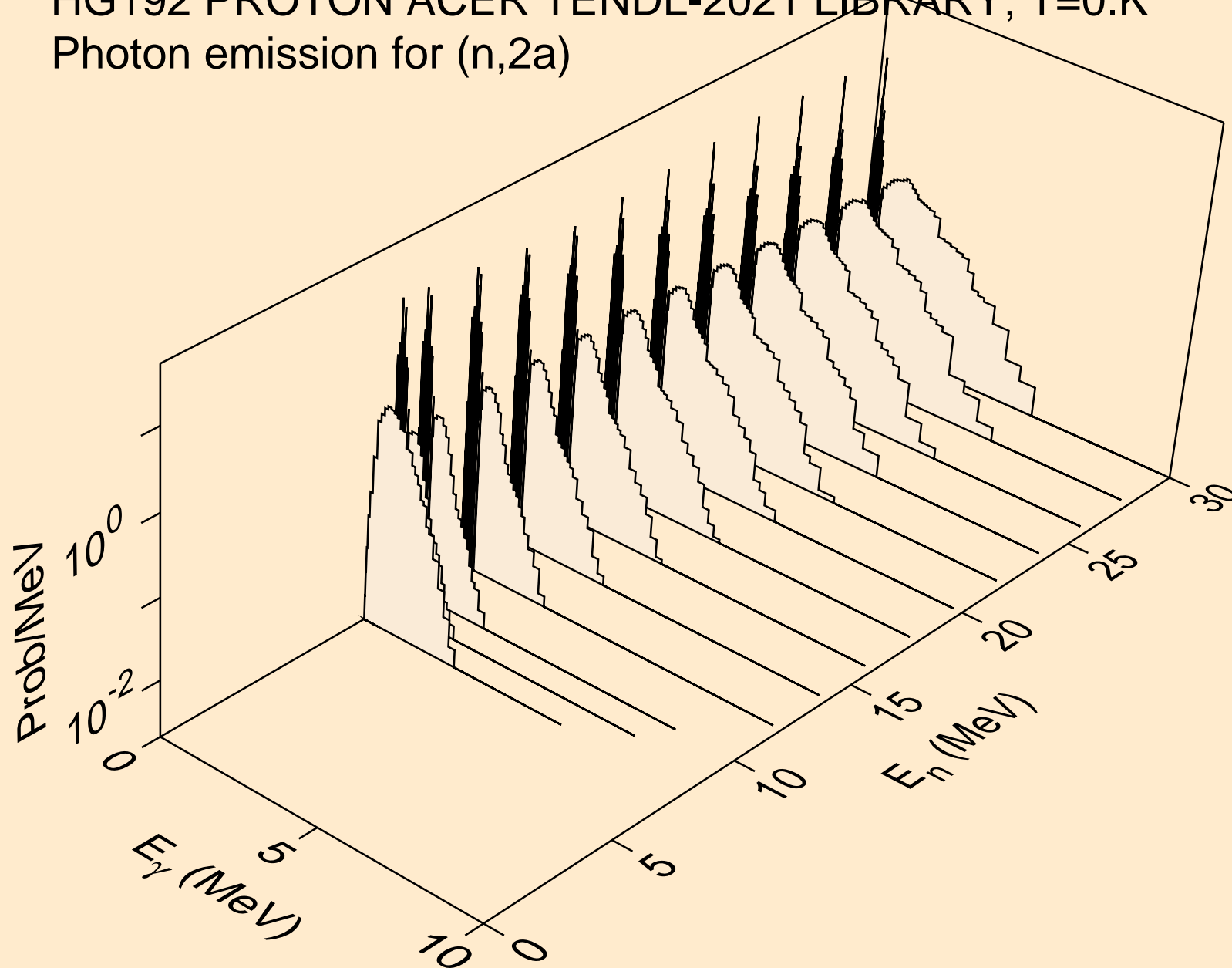
HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,he3)



HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,a)

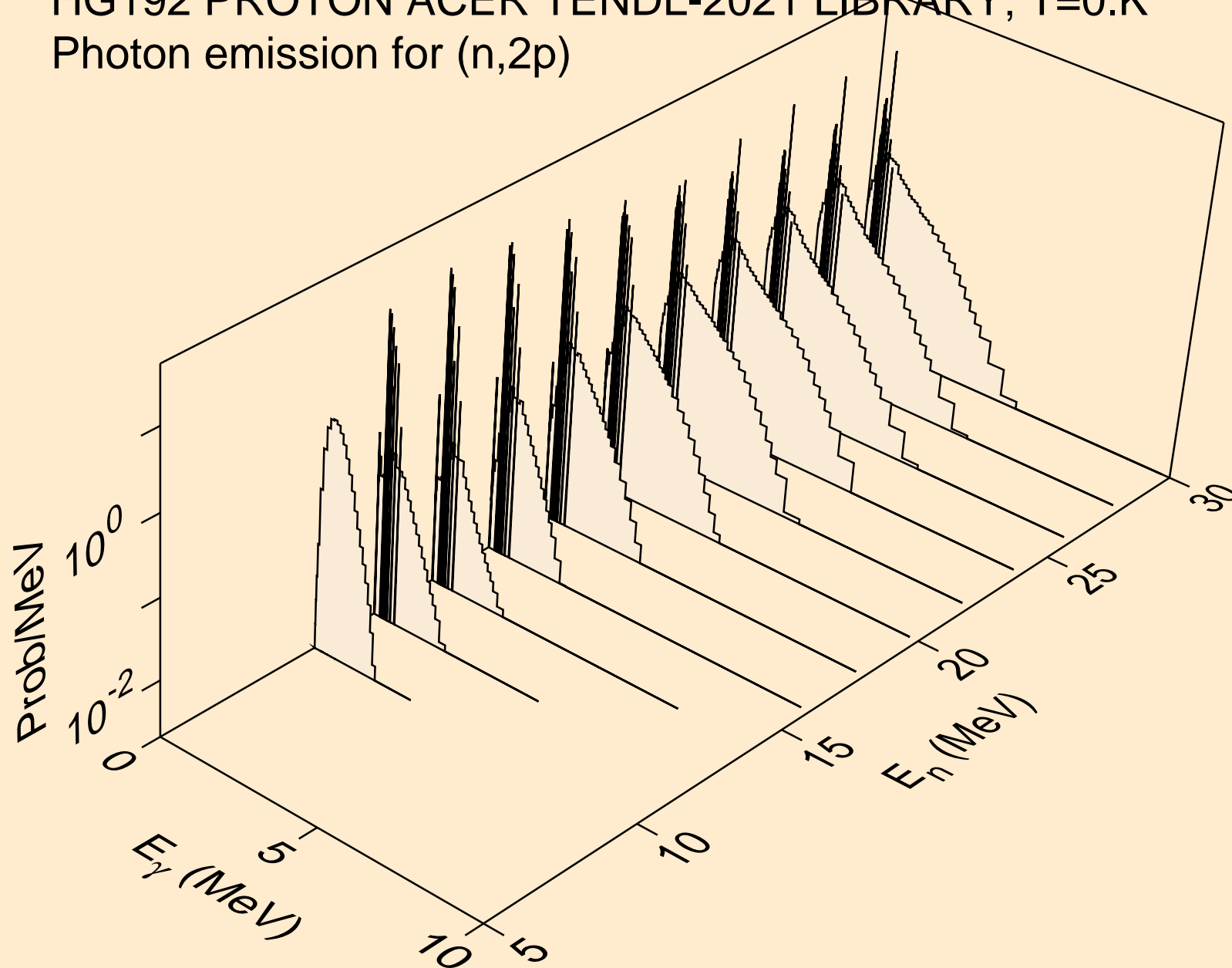


HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2a)

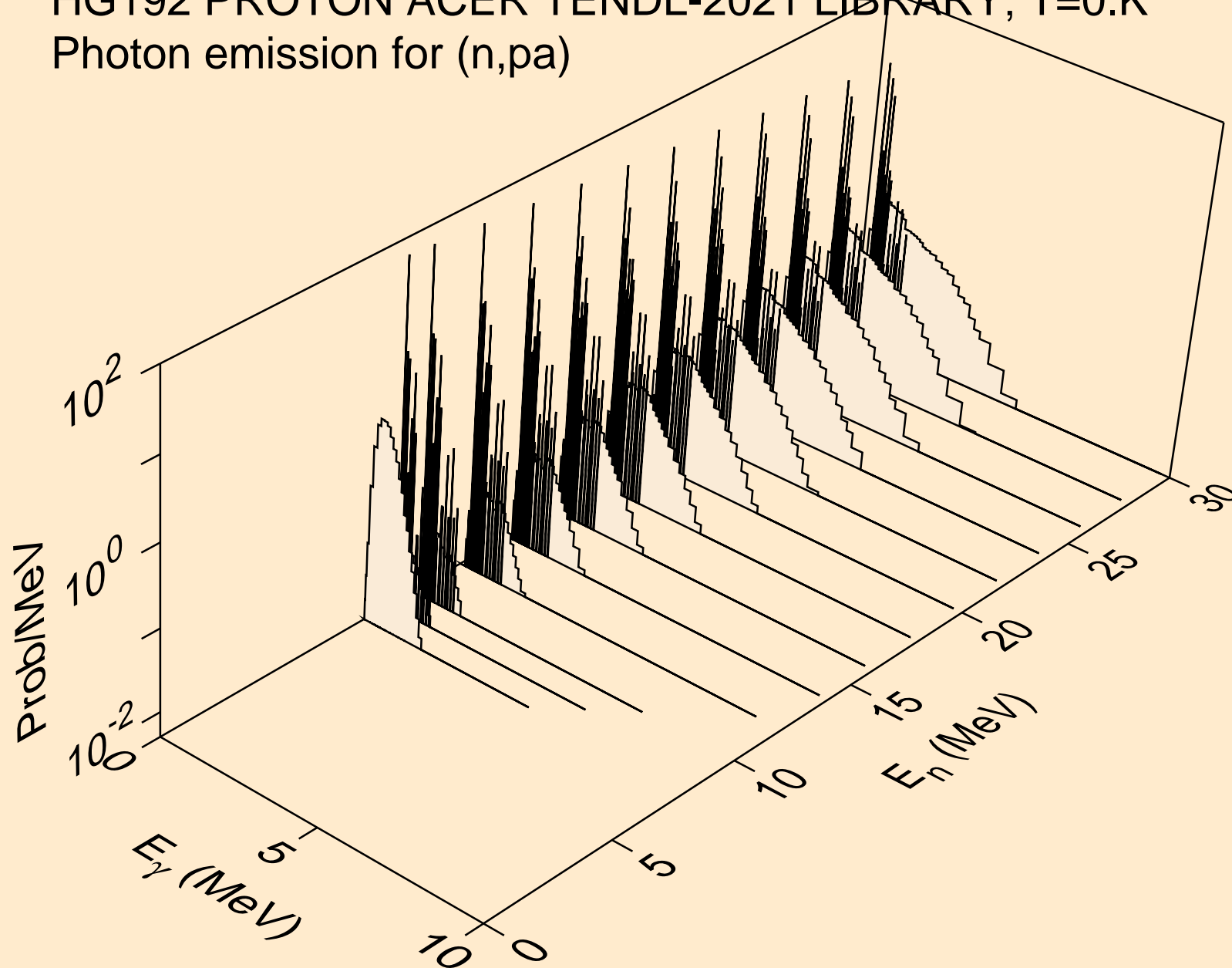




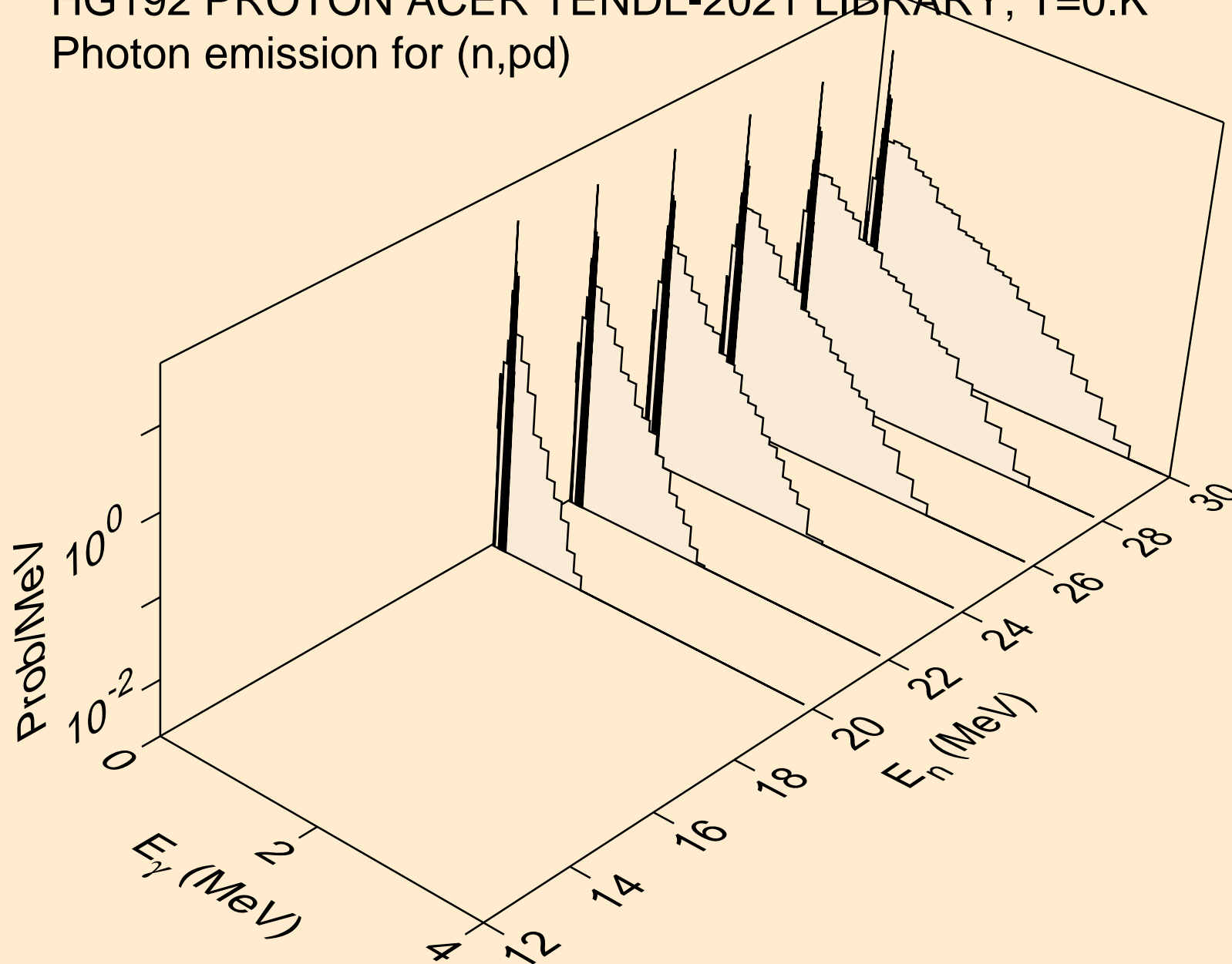
HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)



HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,p)

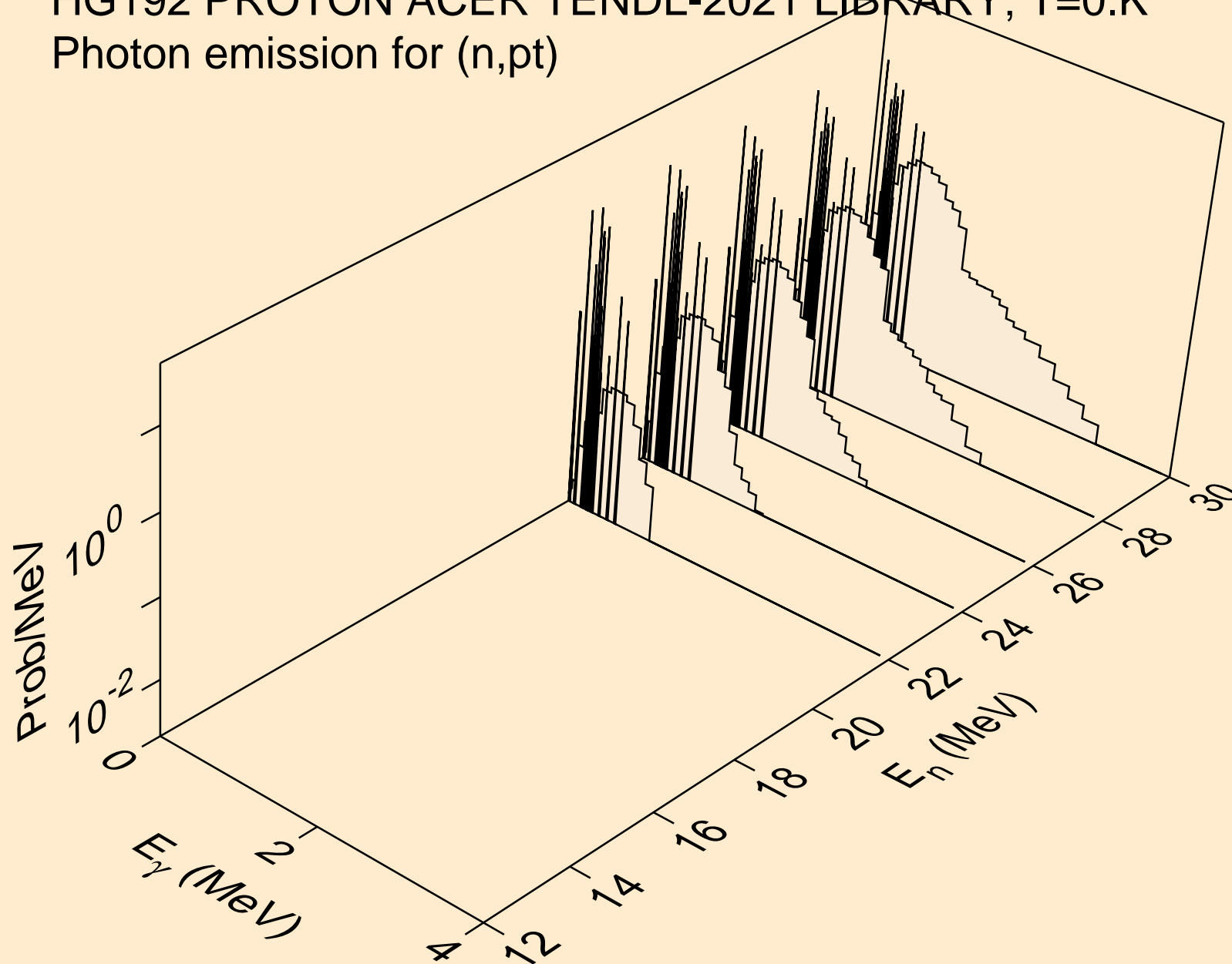


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Photon emission for (n,pd)

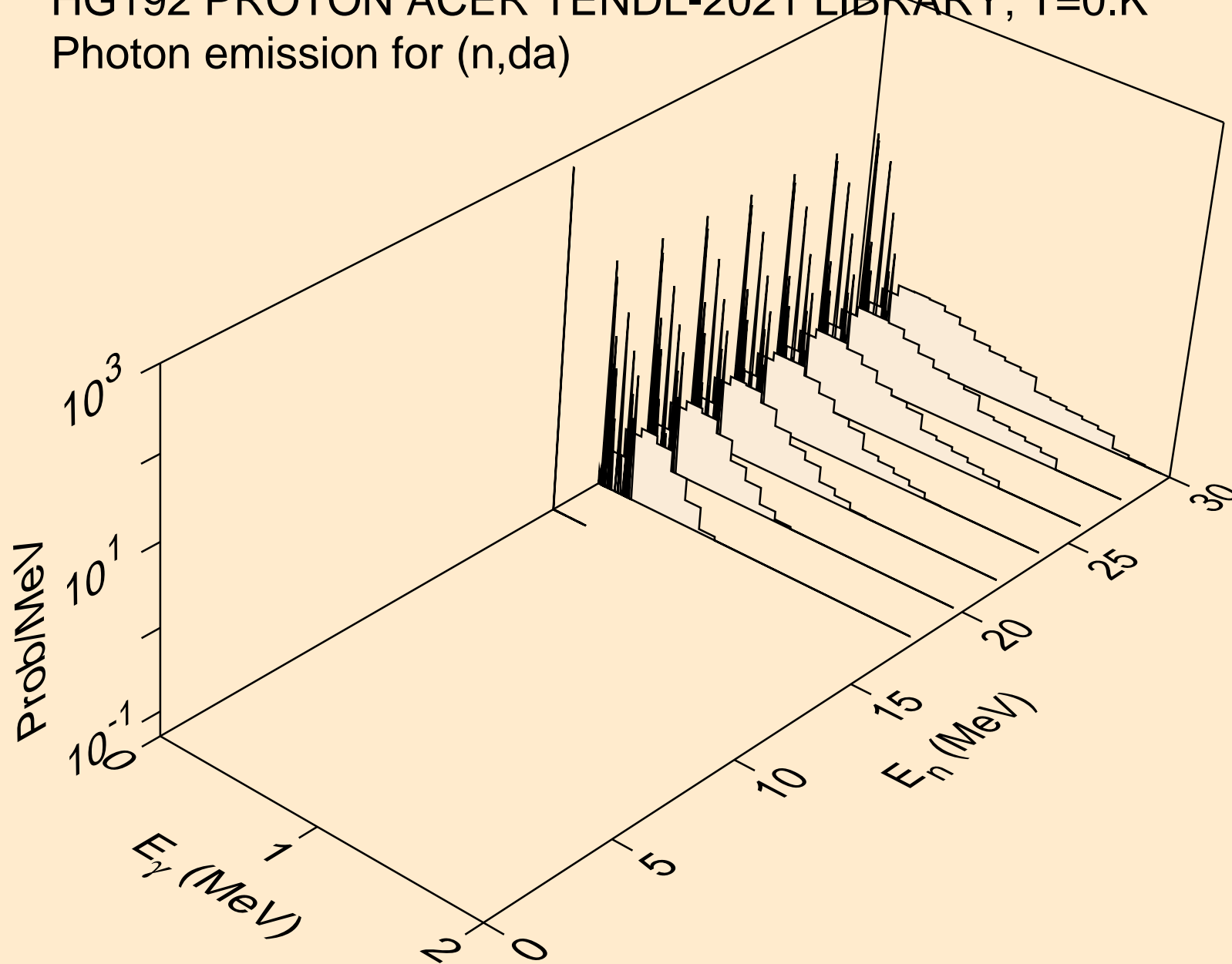


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Photon emission for (n,pt)

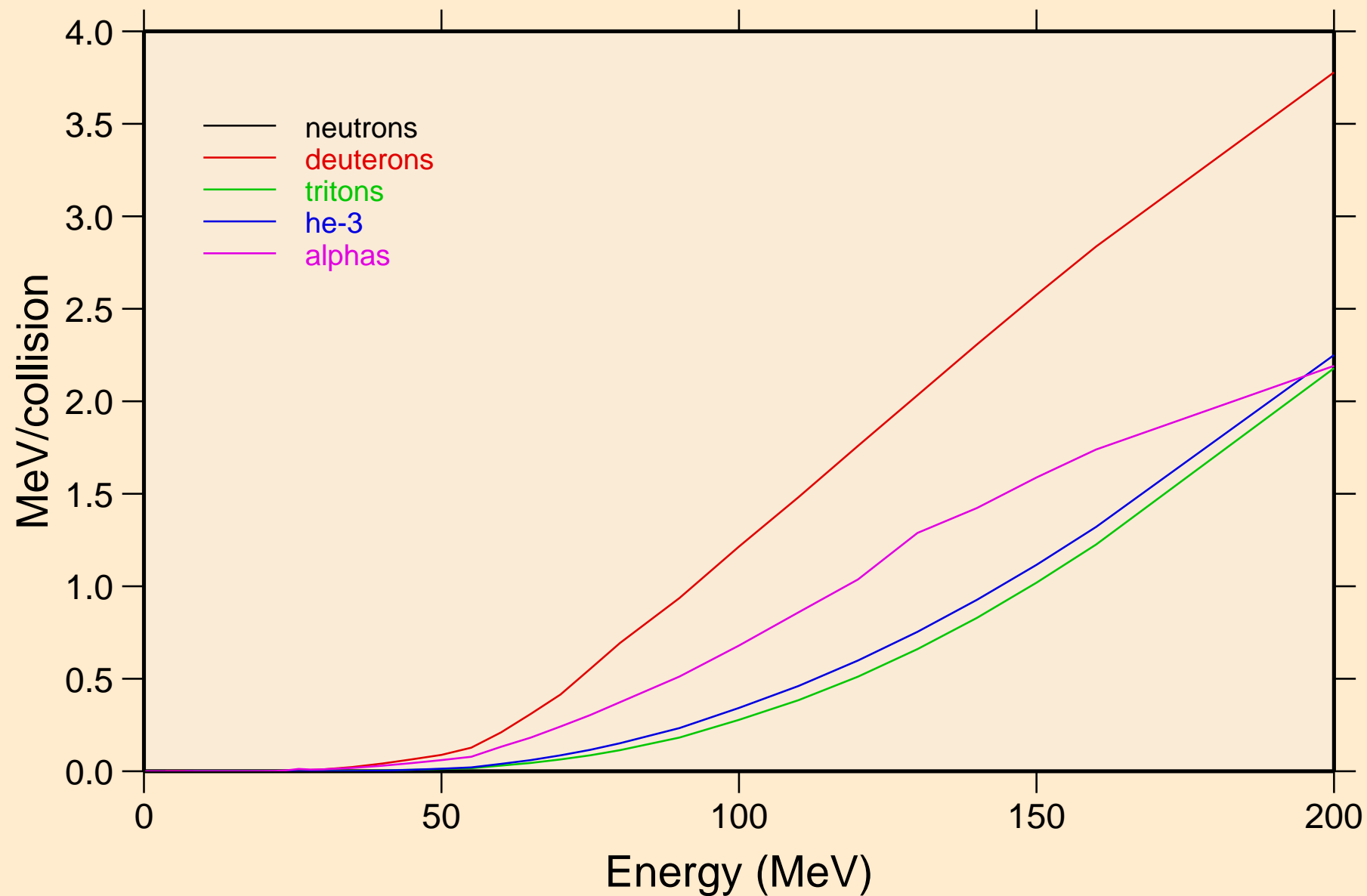


HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,da)



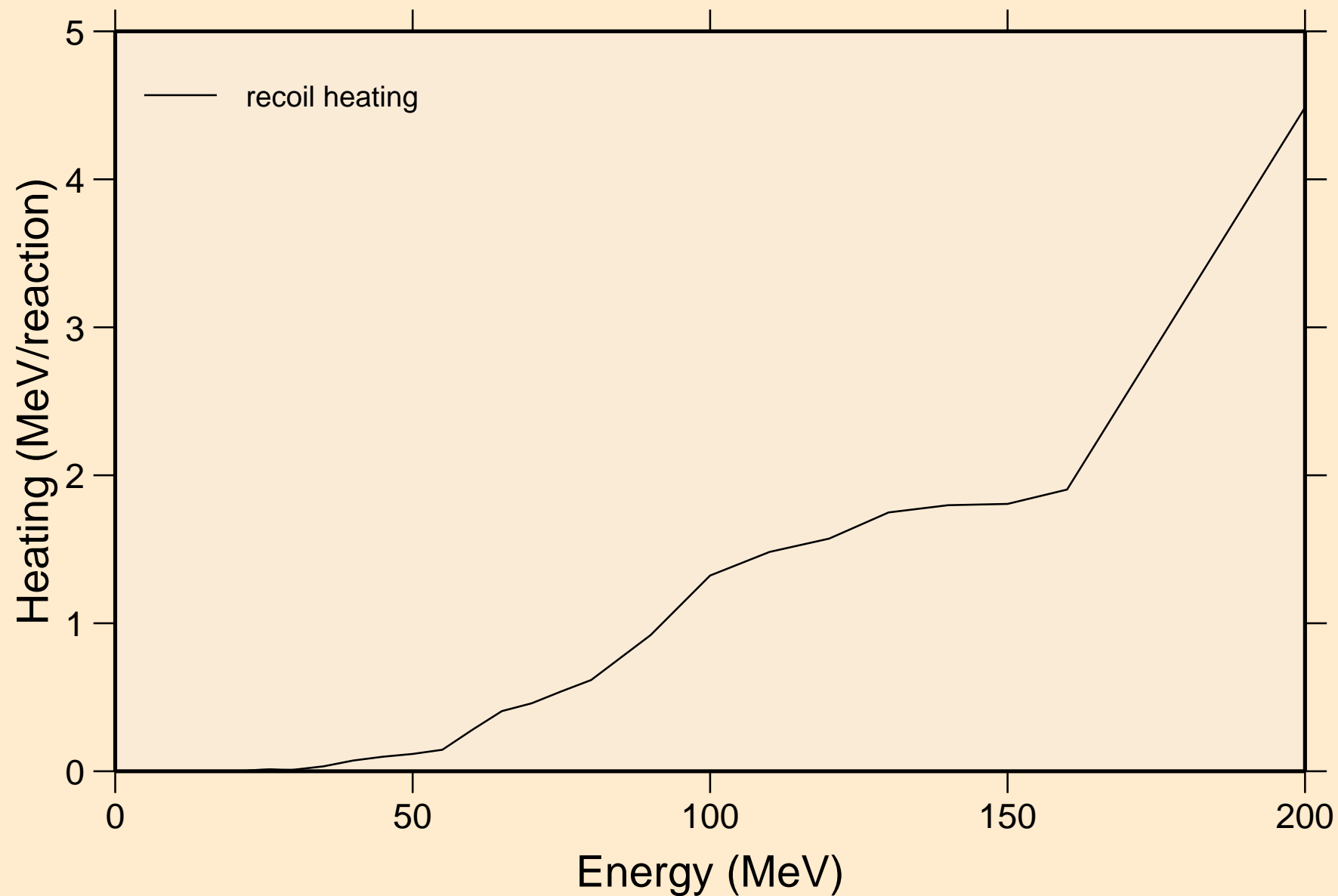
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## Particle heating contributions



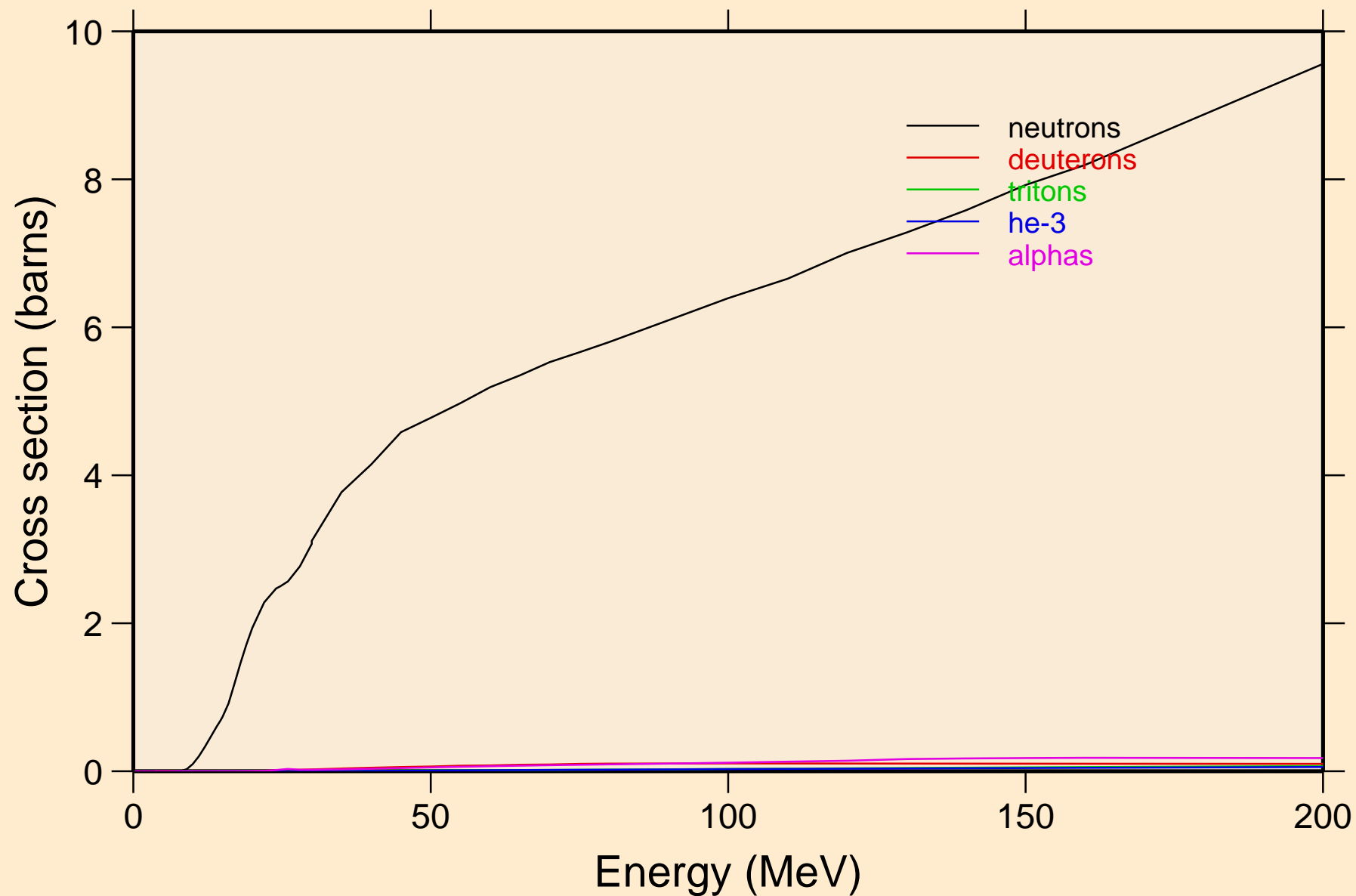
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## Recoil Heating



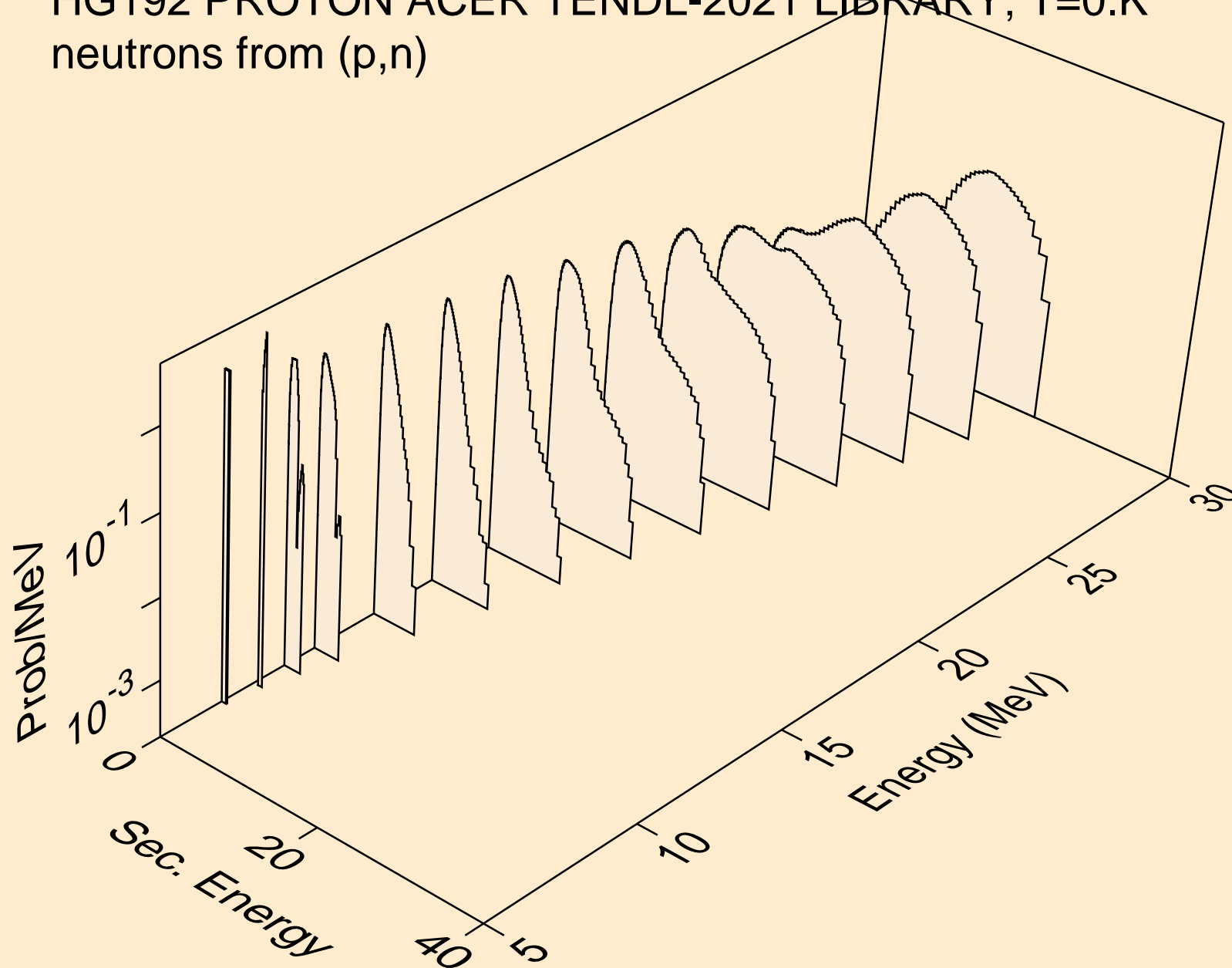
# HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K

Particle production cross sections

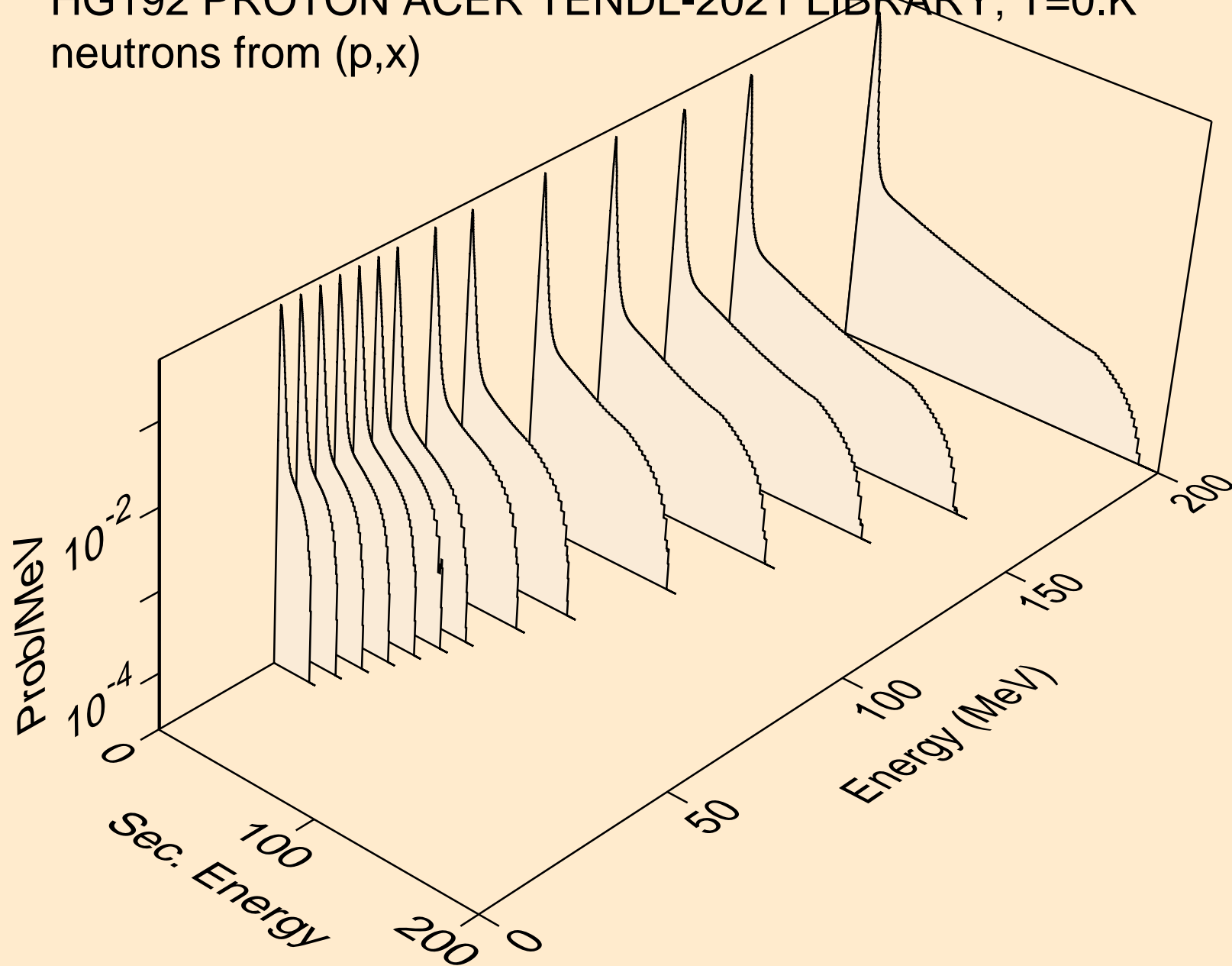




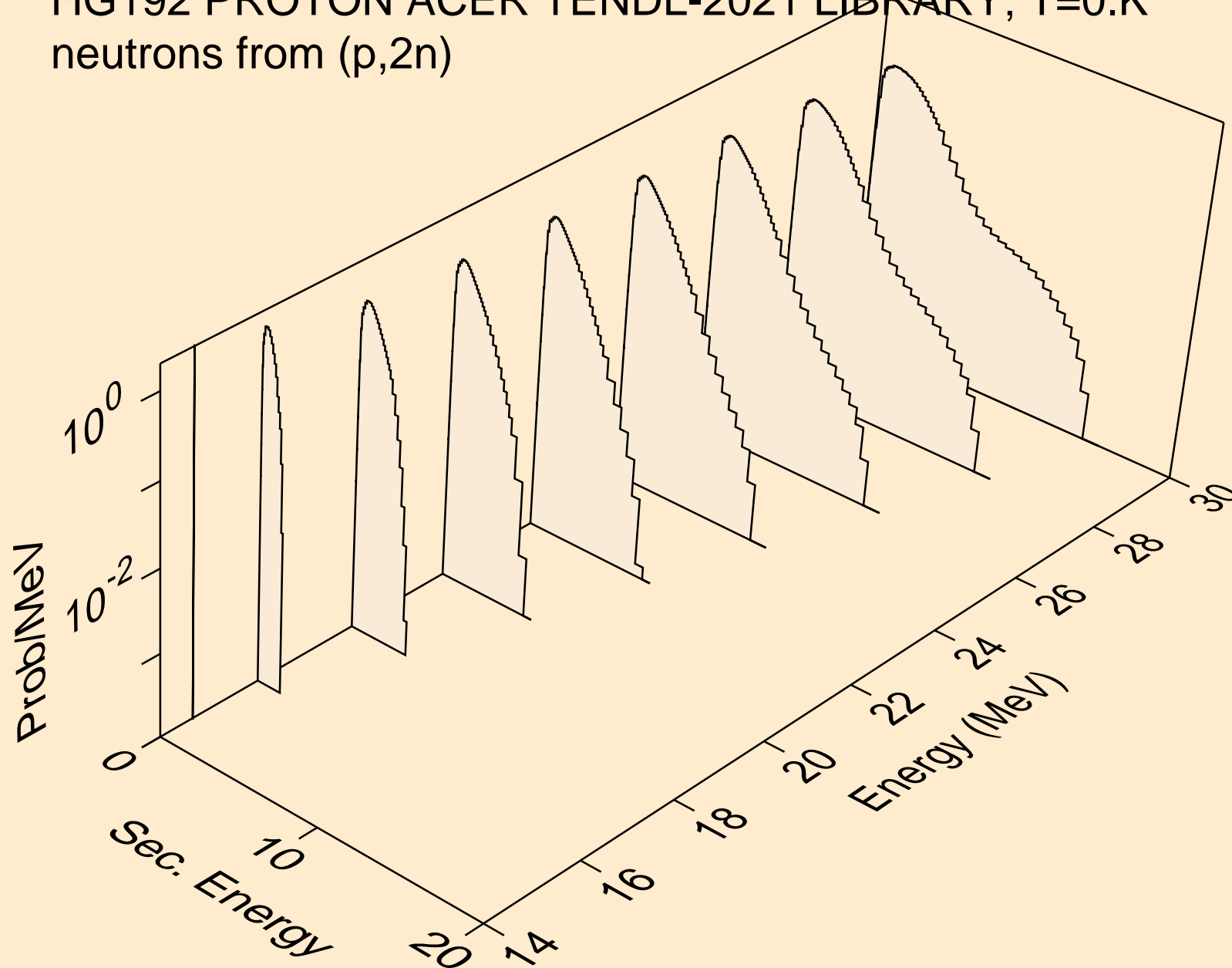
HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n)



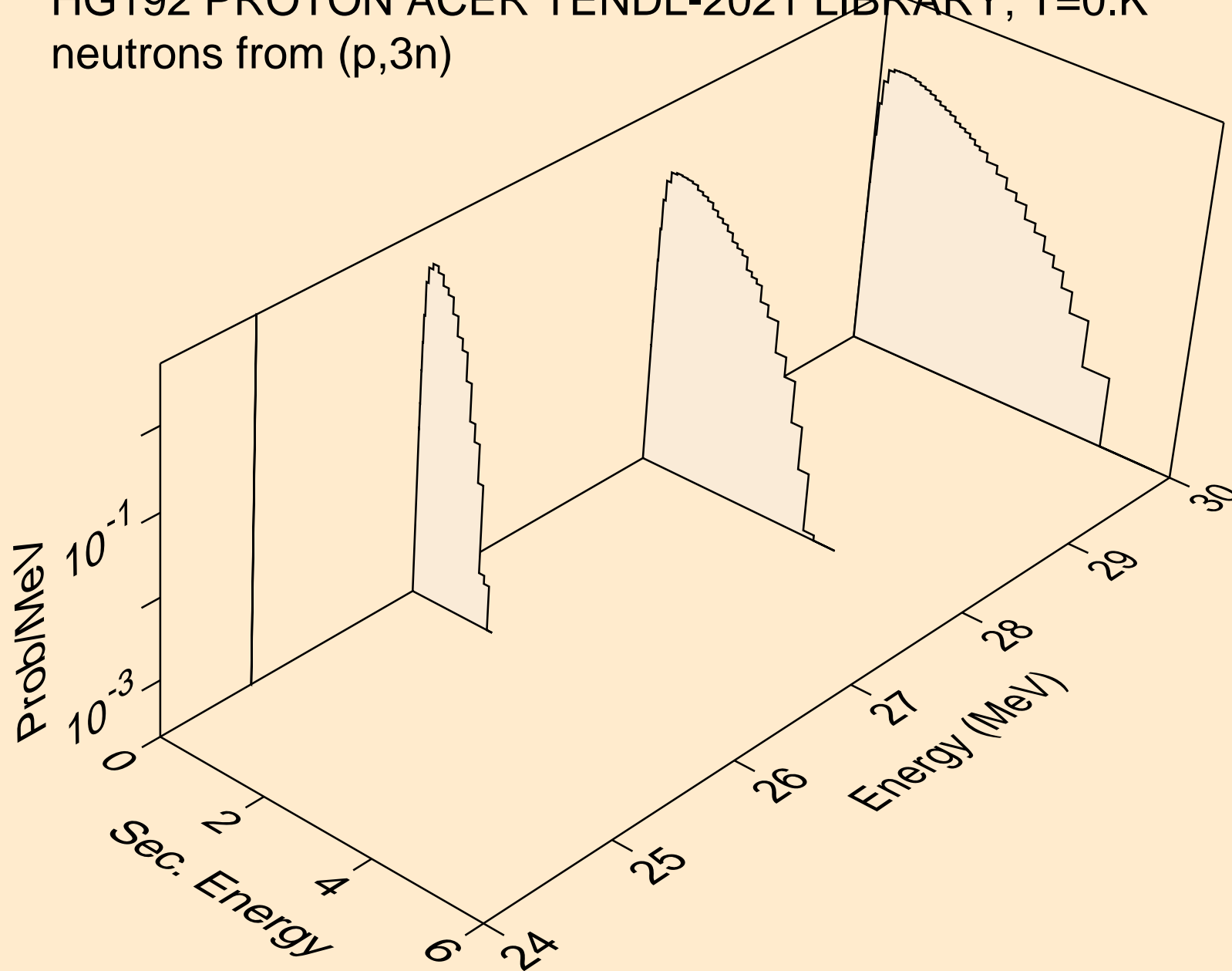
HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,x)



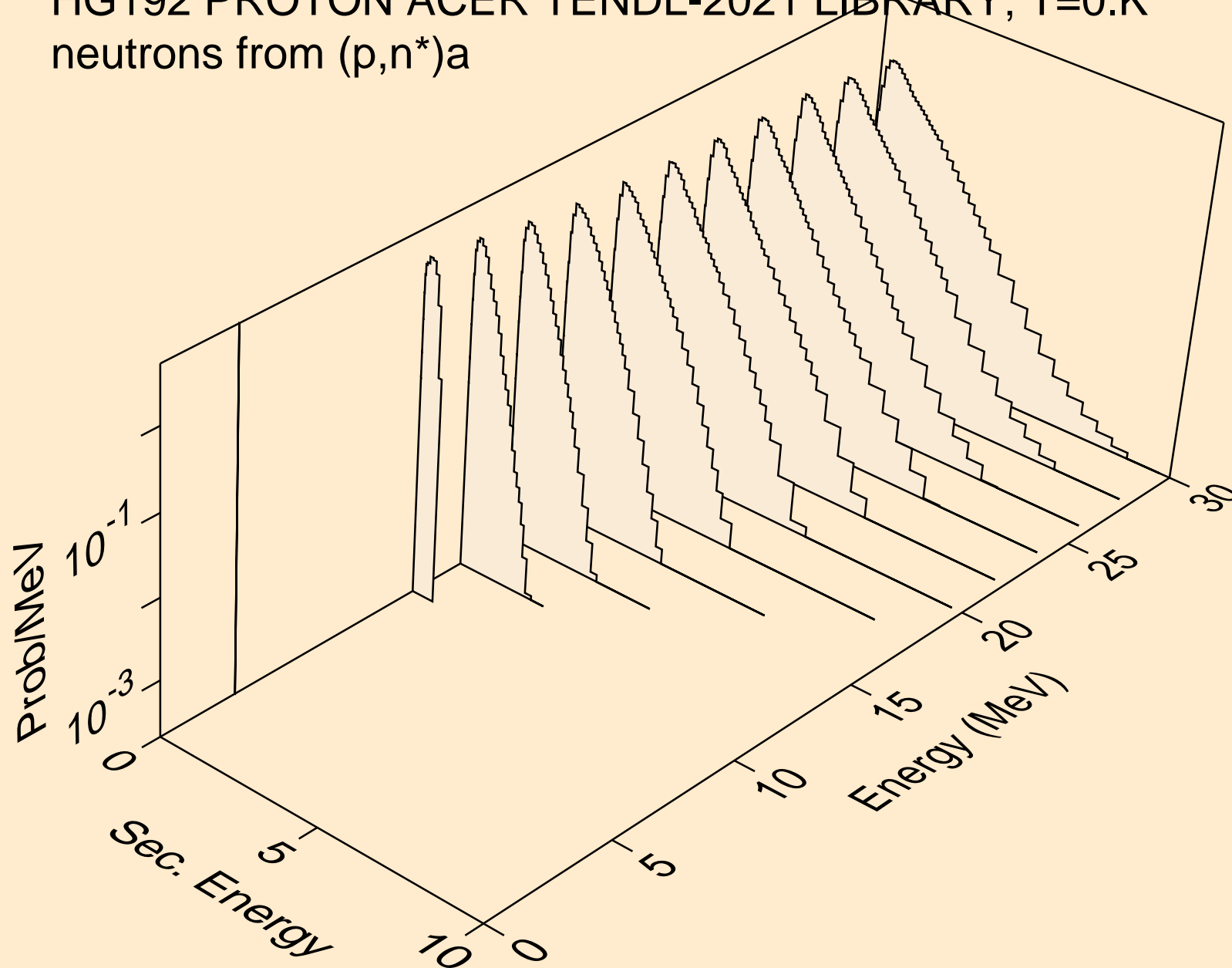
HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2n)



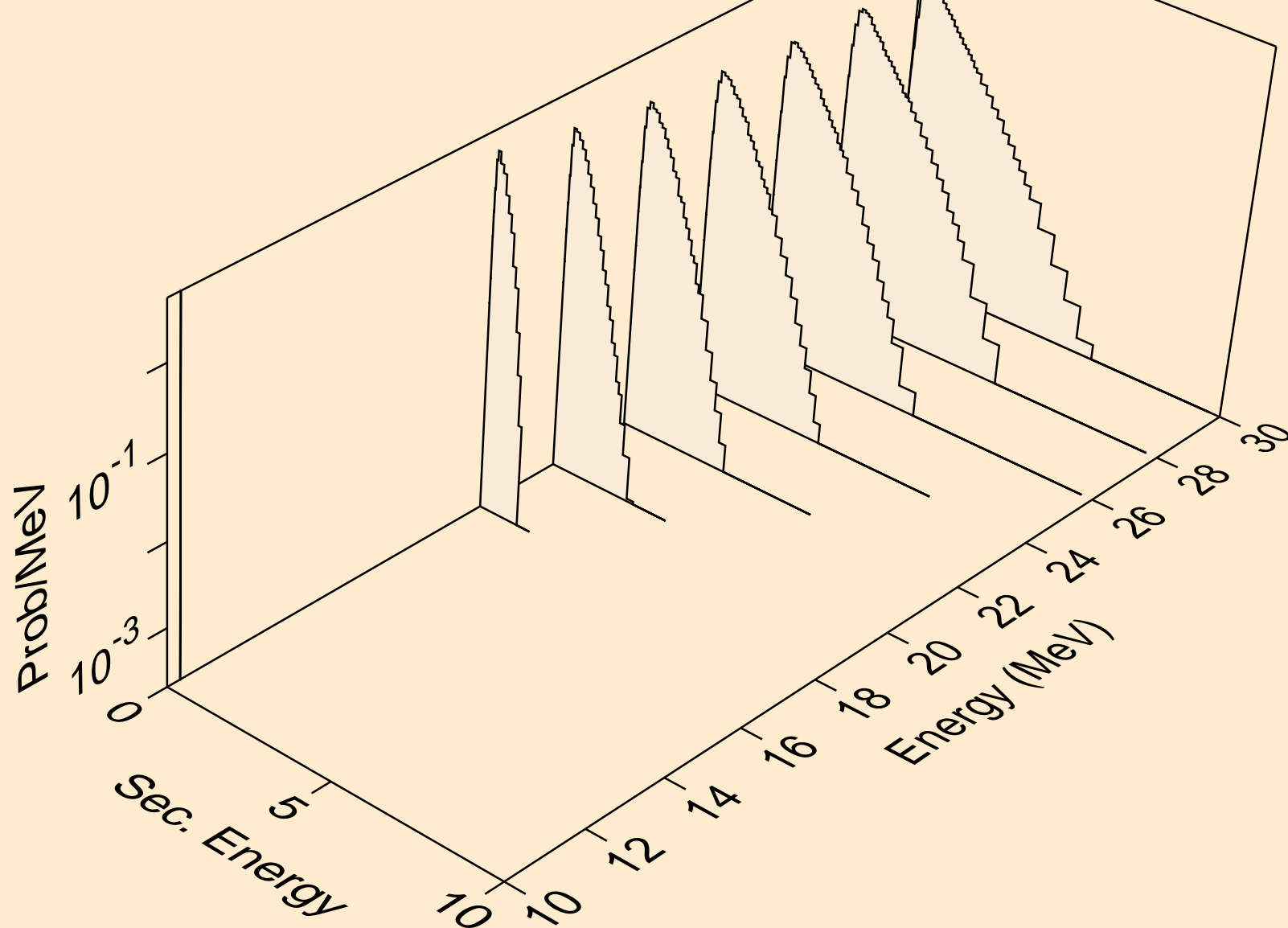
HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,3n)



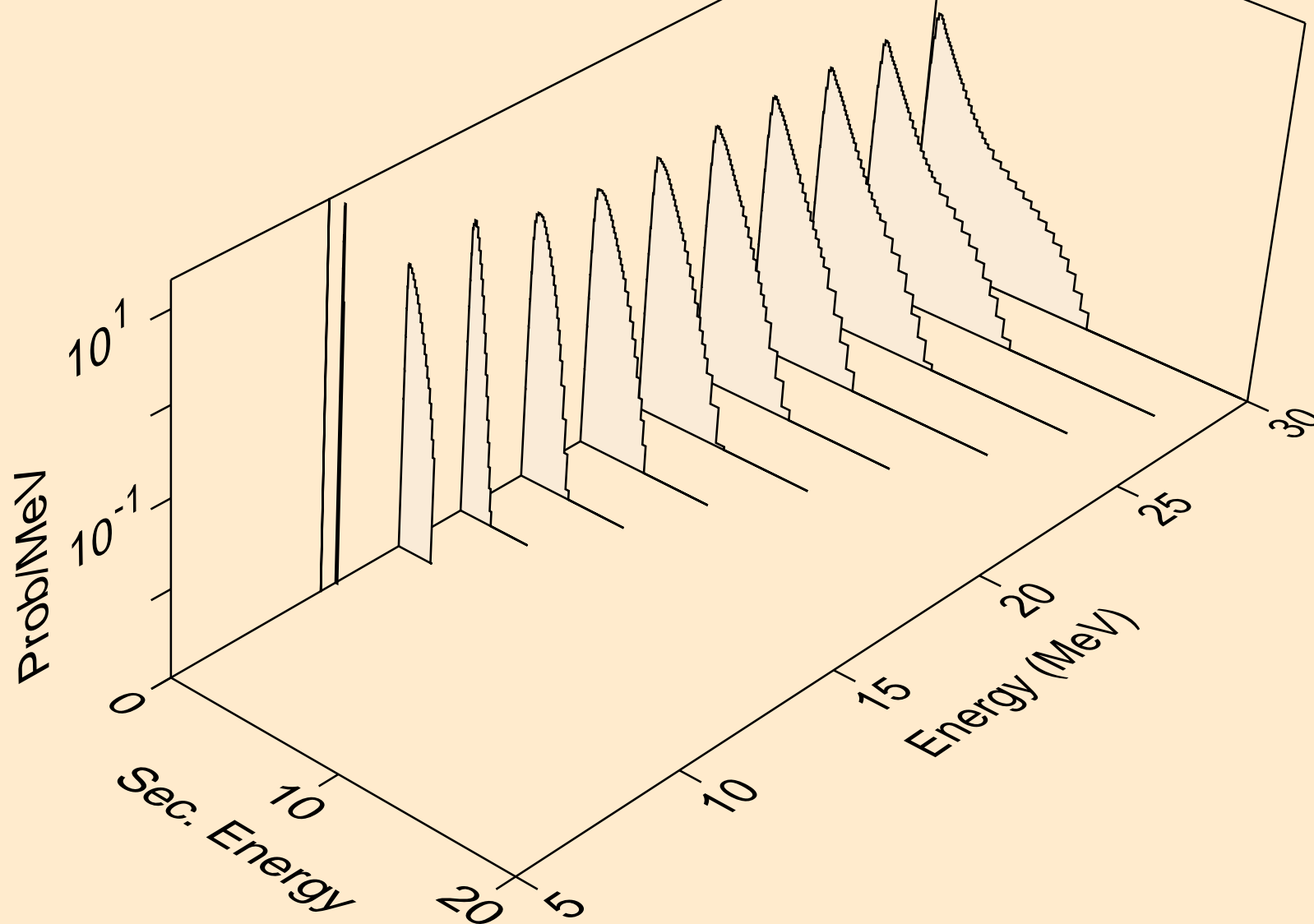
HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)a



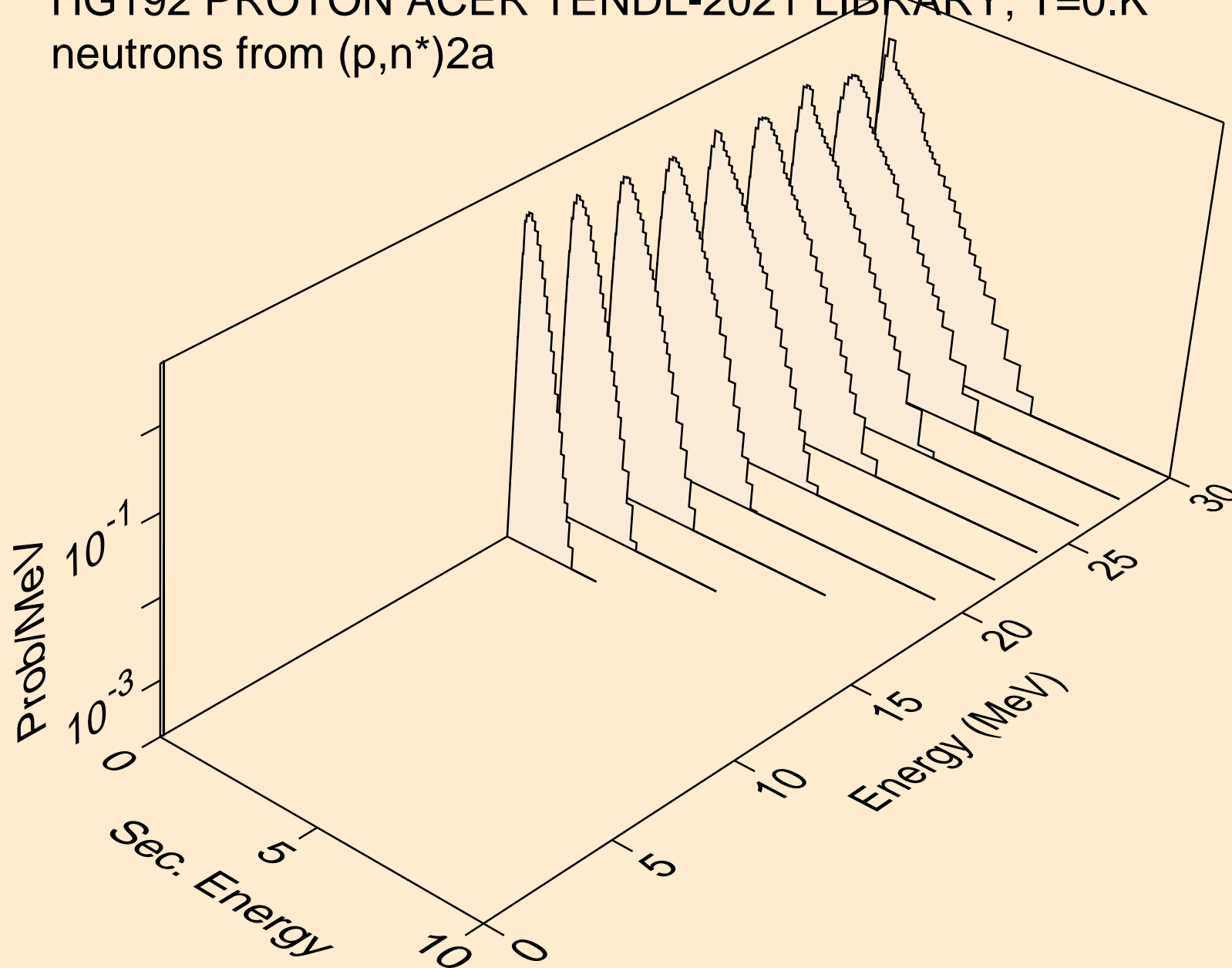
HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2n)a



HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)p

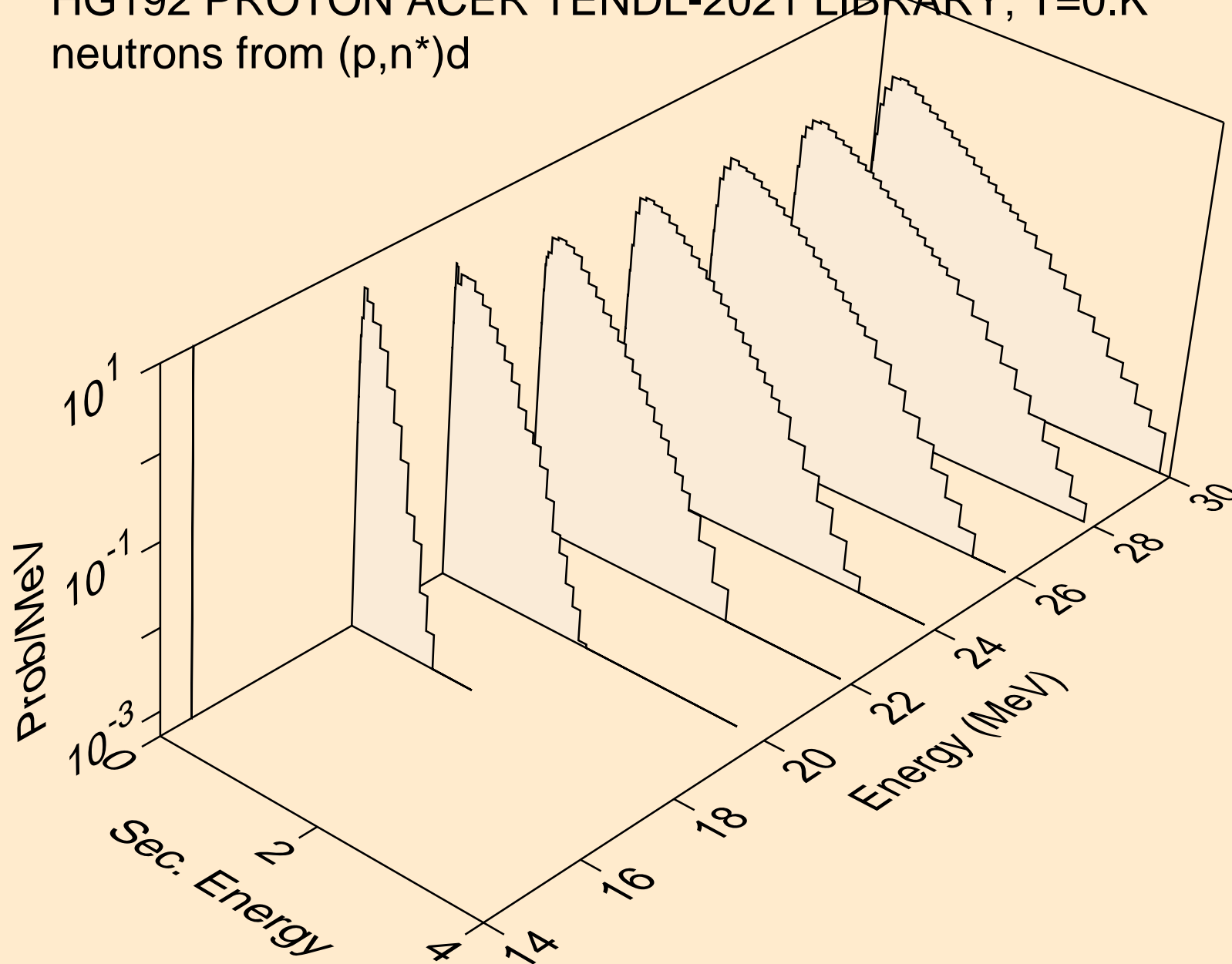


HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)2a

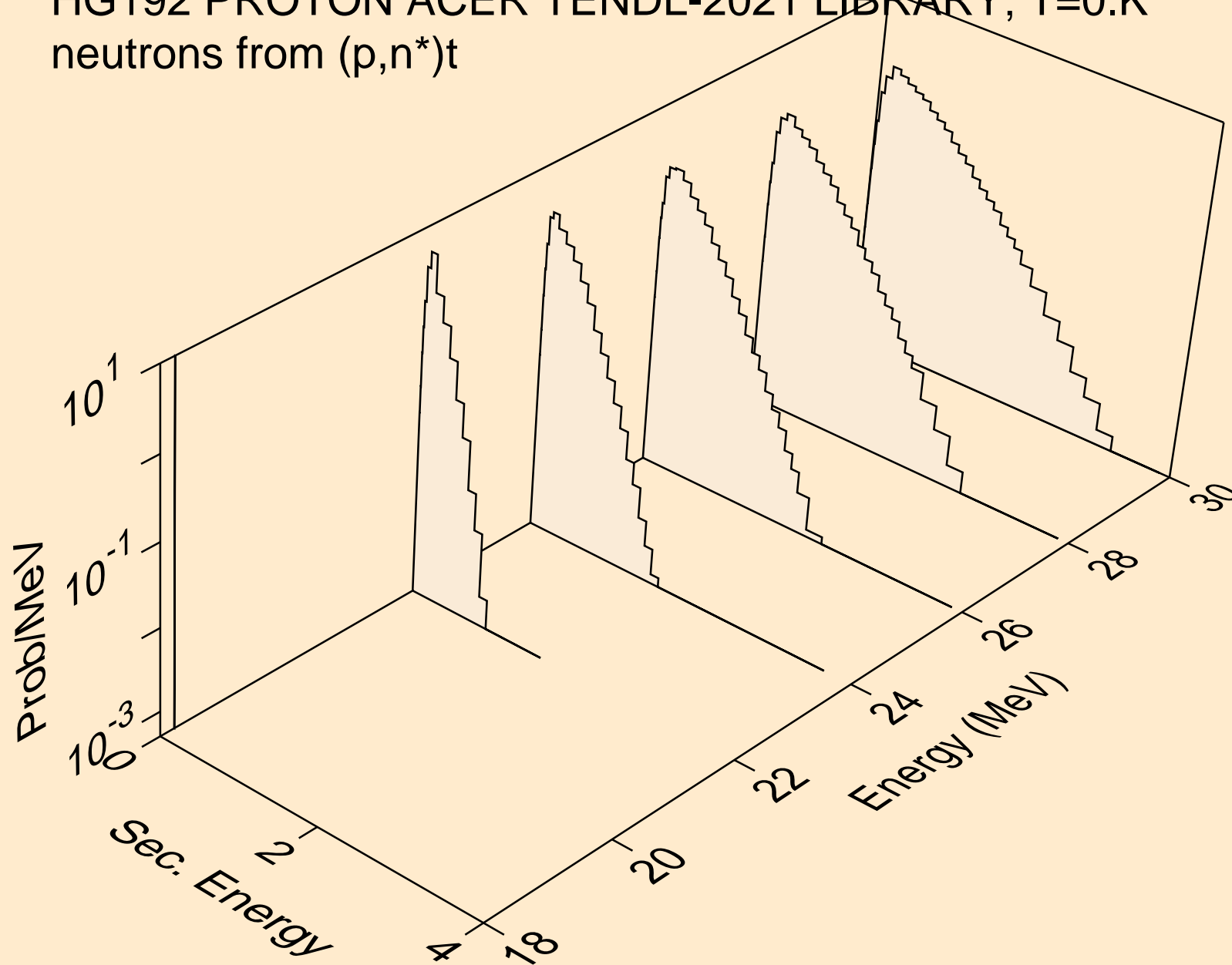




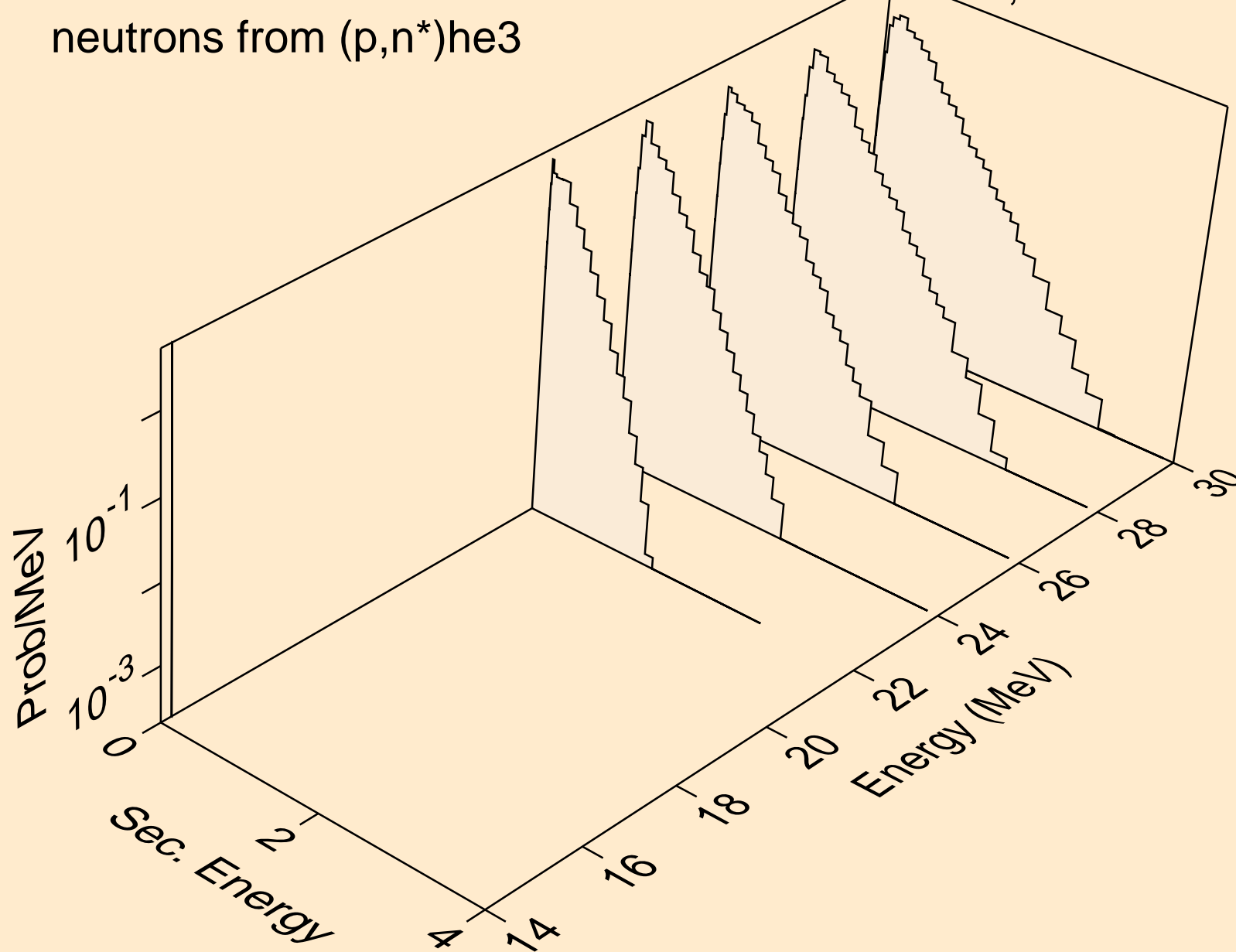
HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)d



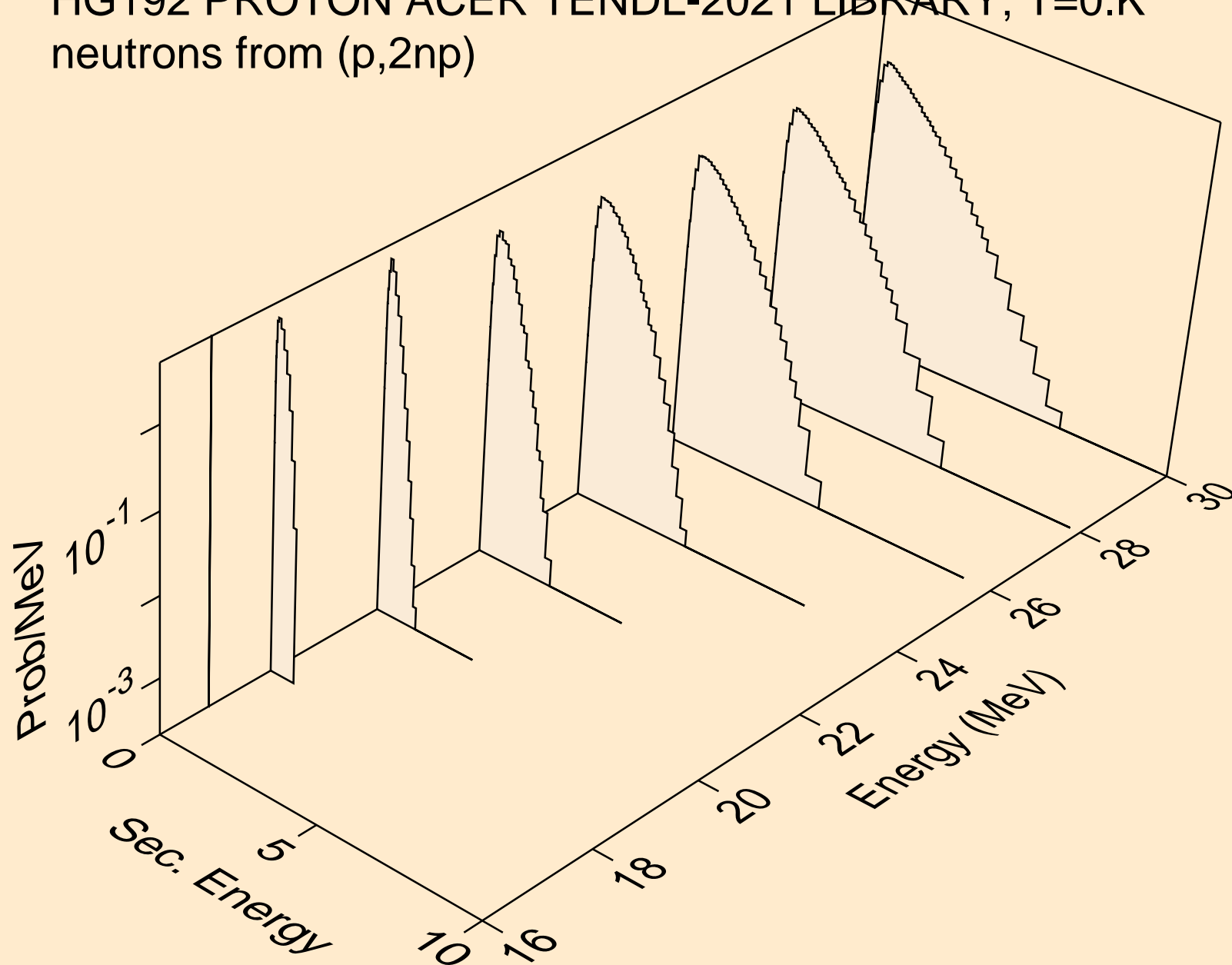
HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)t



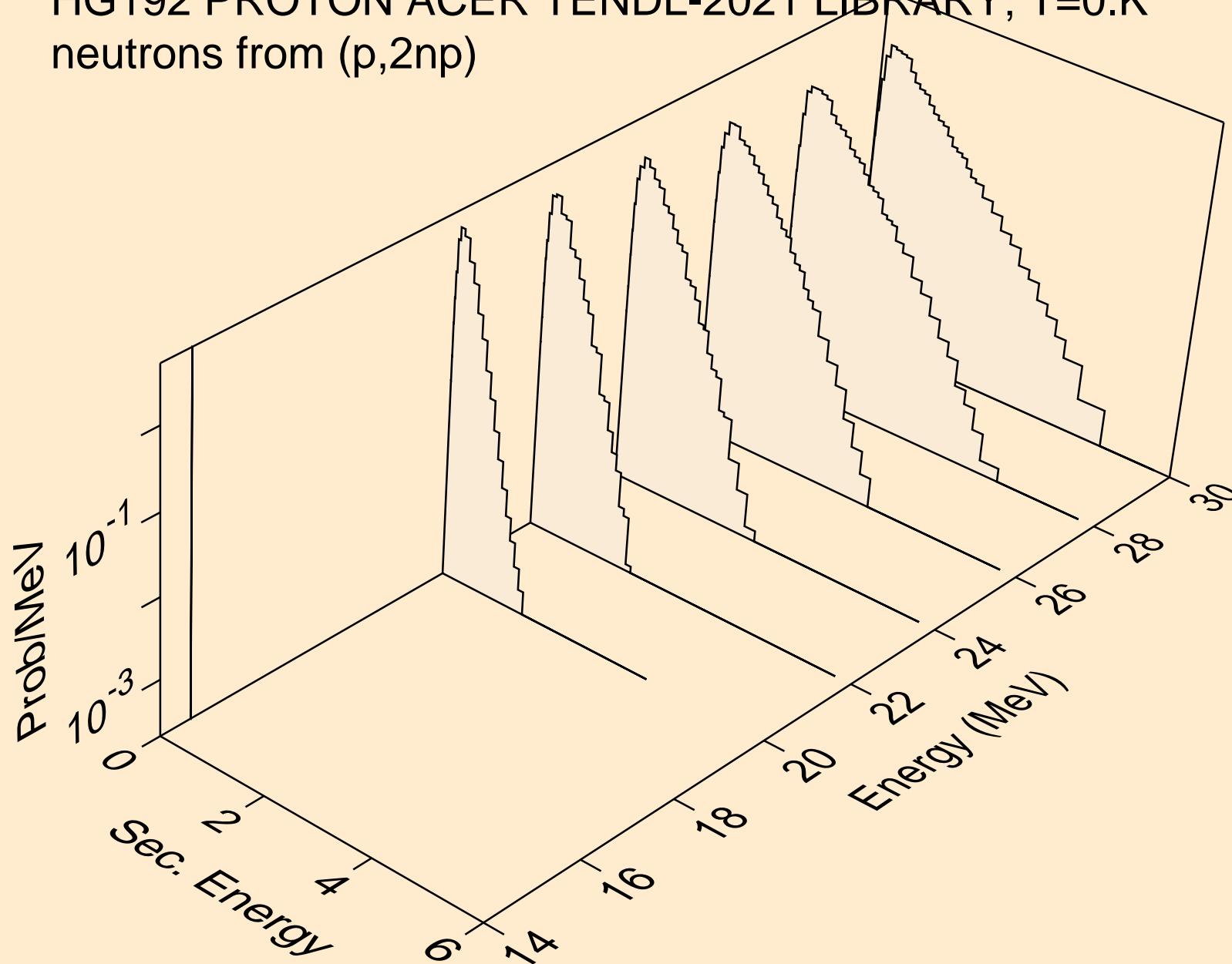
HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



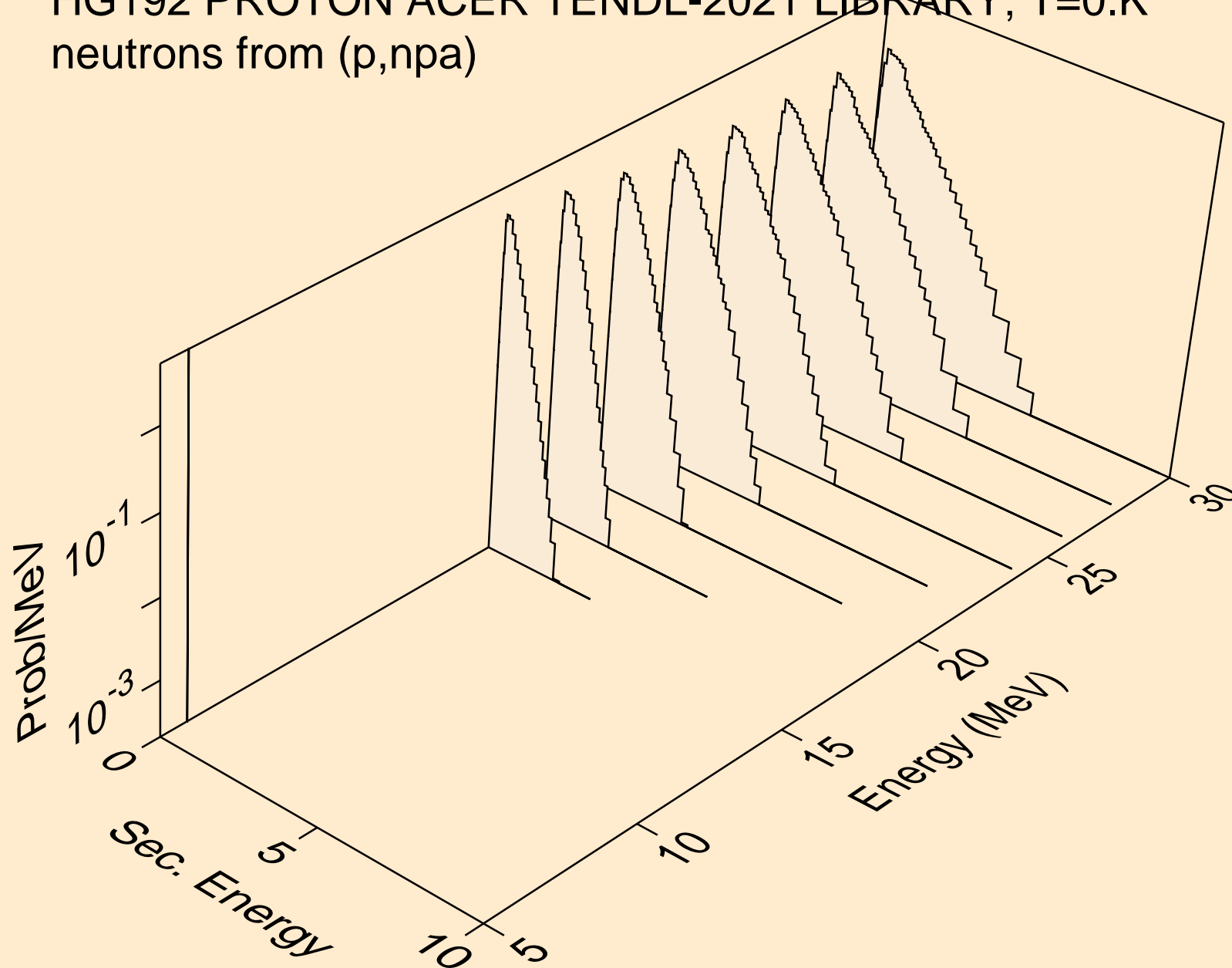
HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2np)



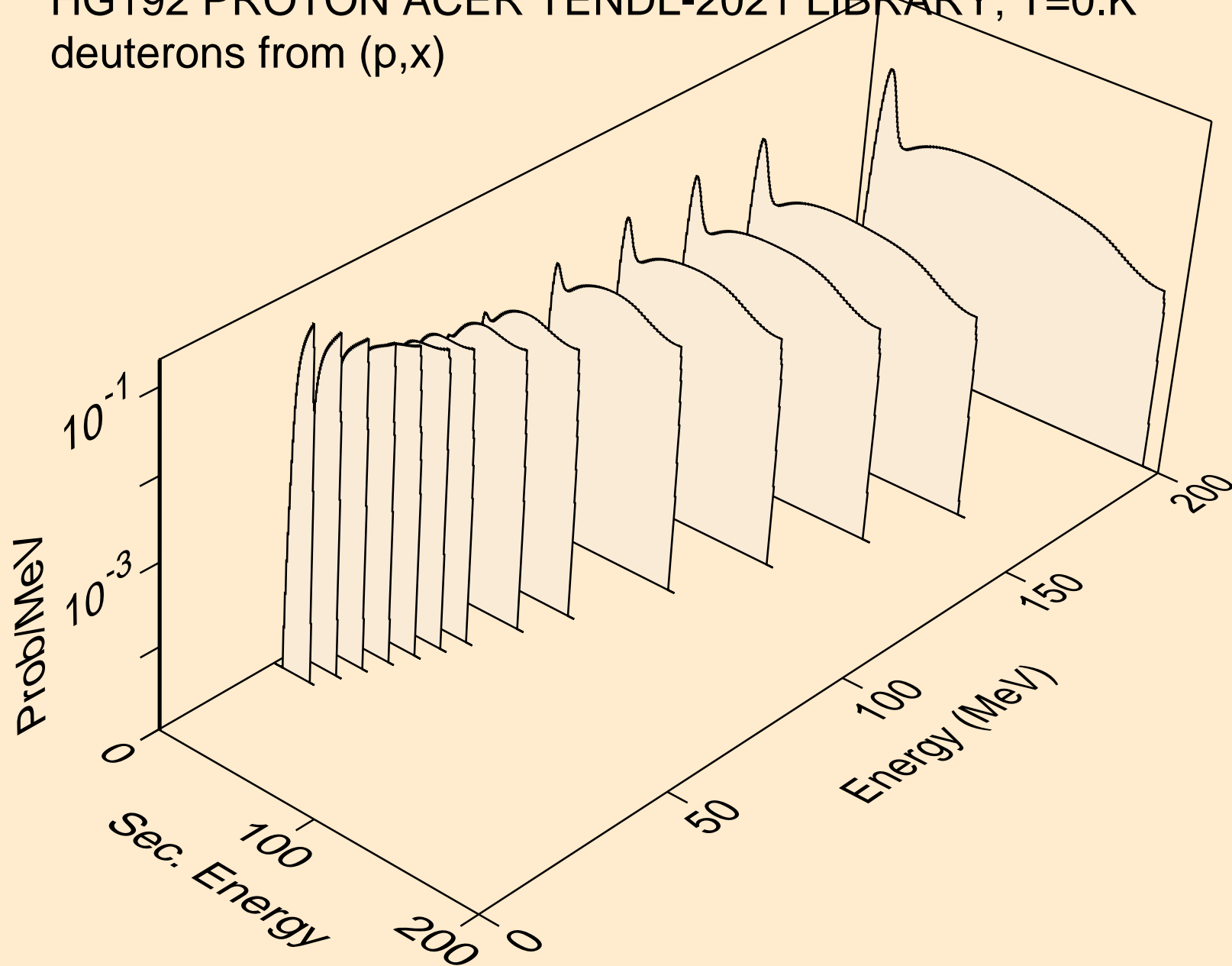
HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2np)



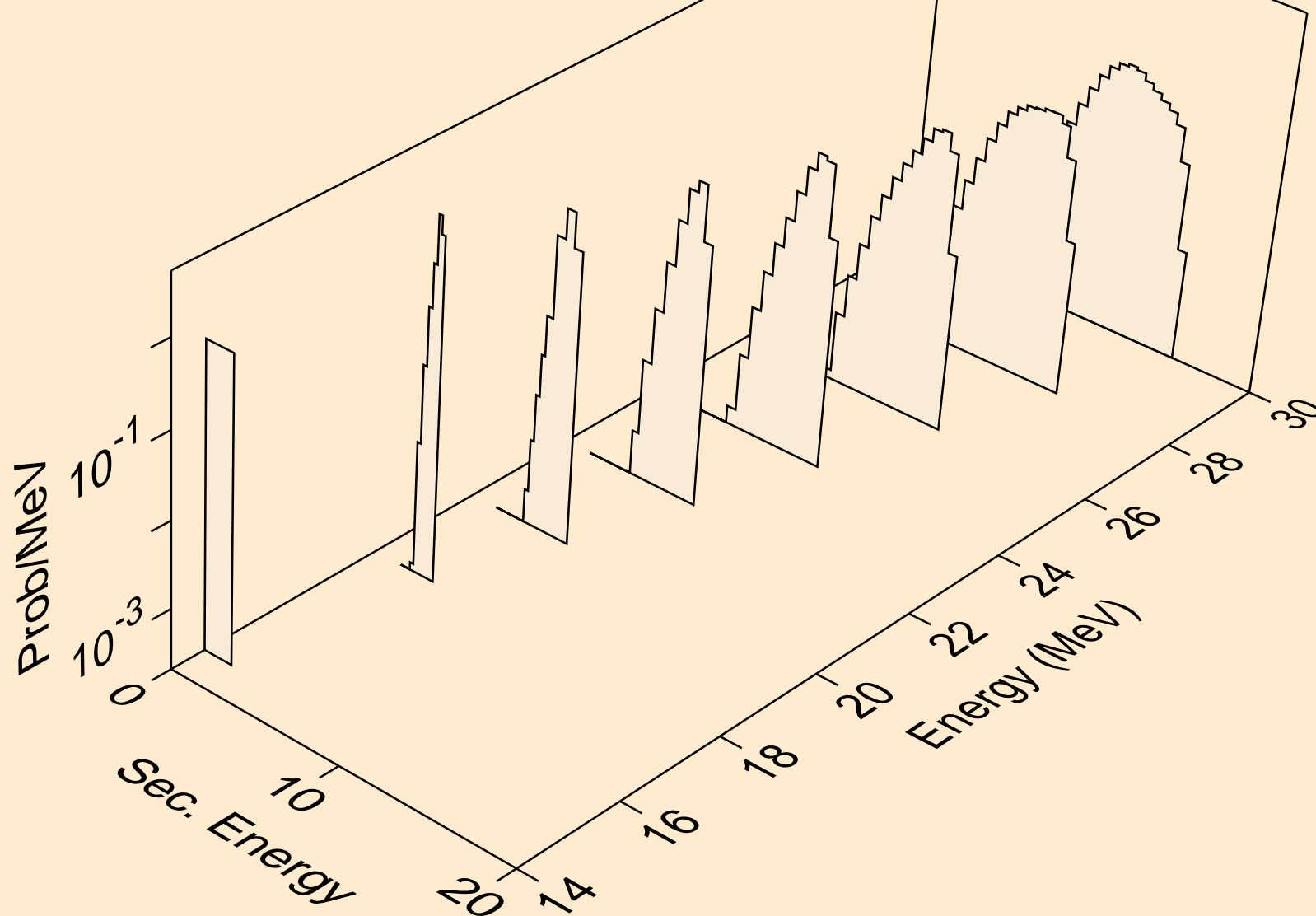
HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,npa)



HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,x)

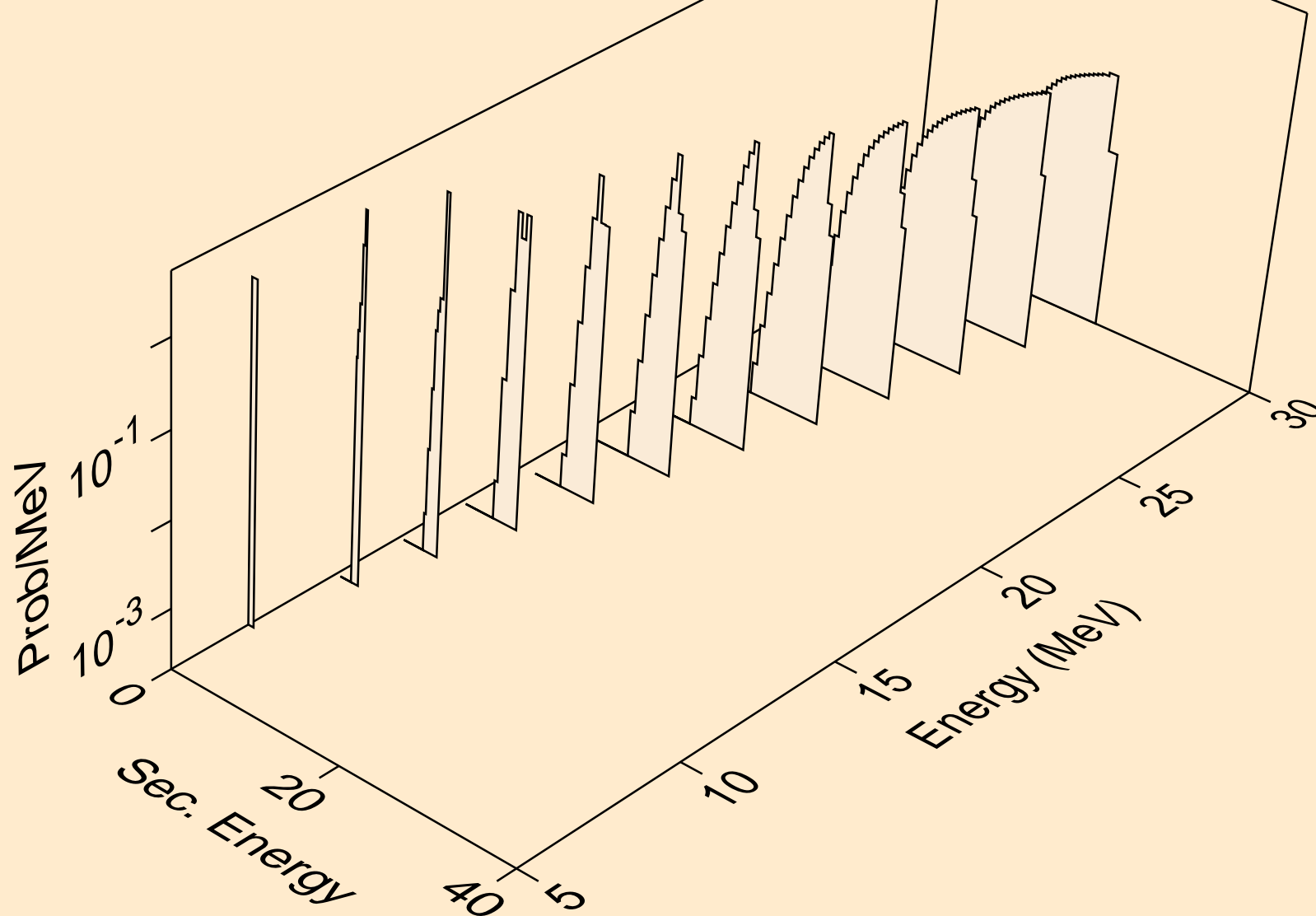


HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
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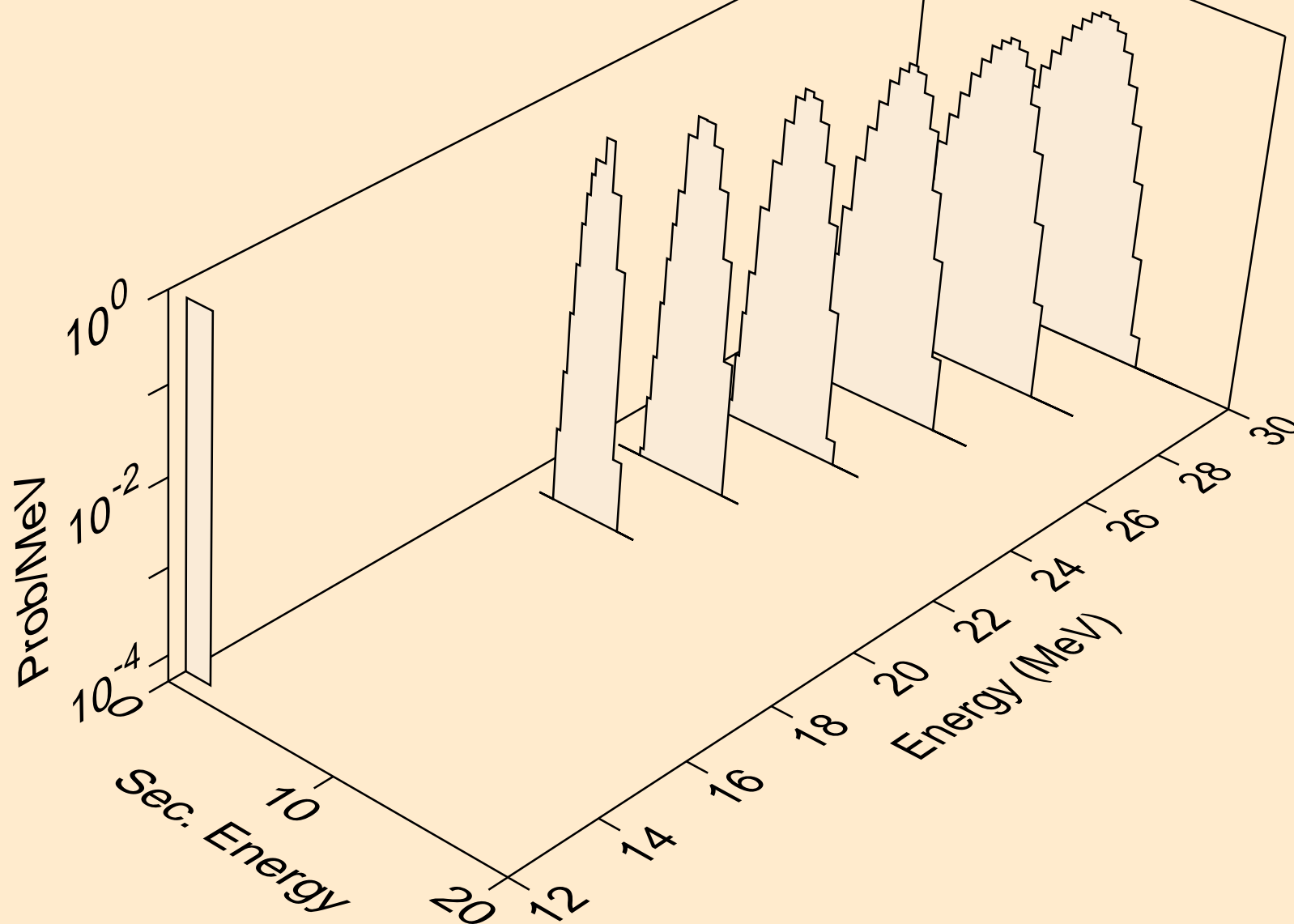




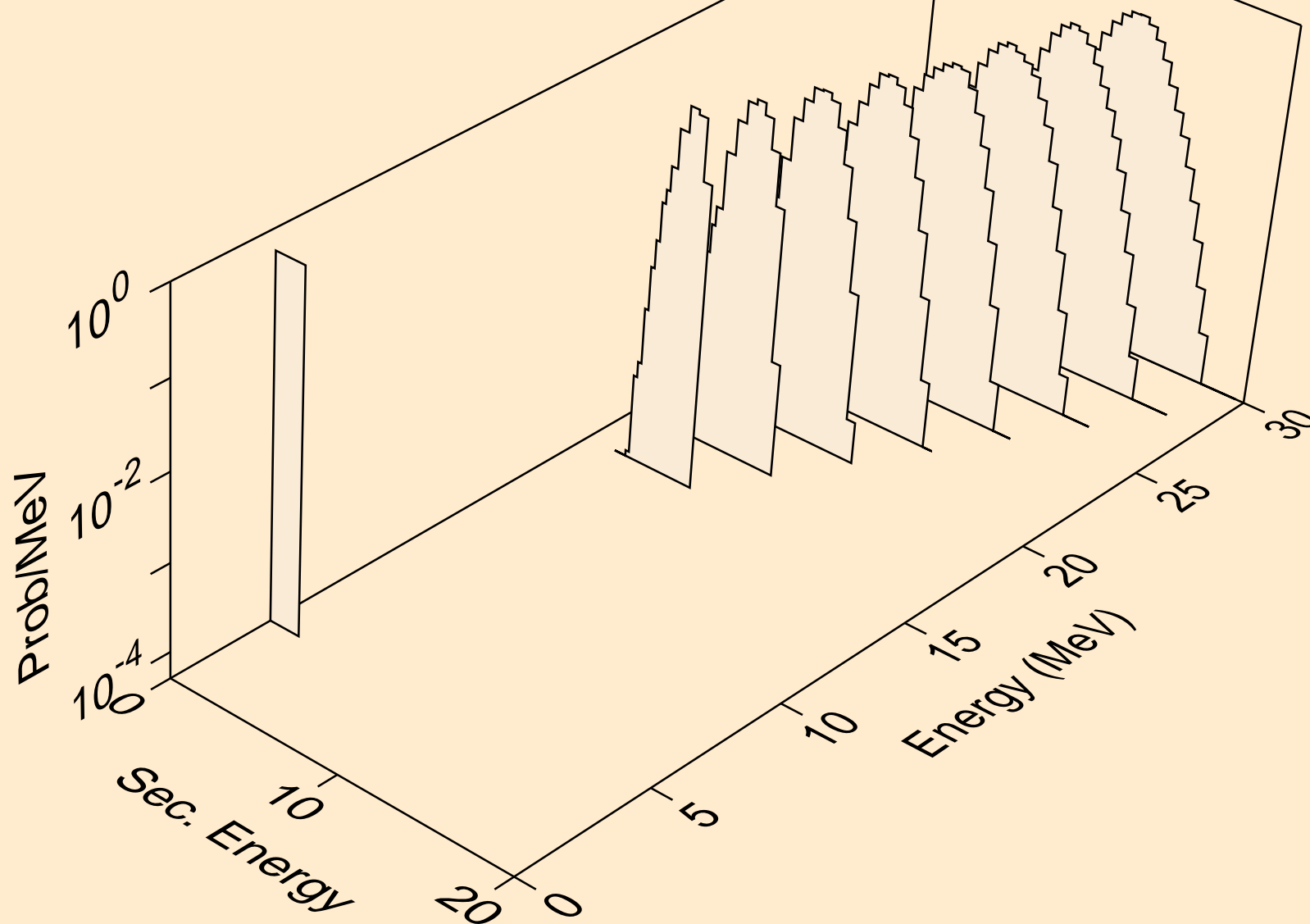
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deuterons from (p,d)



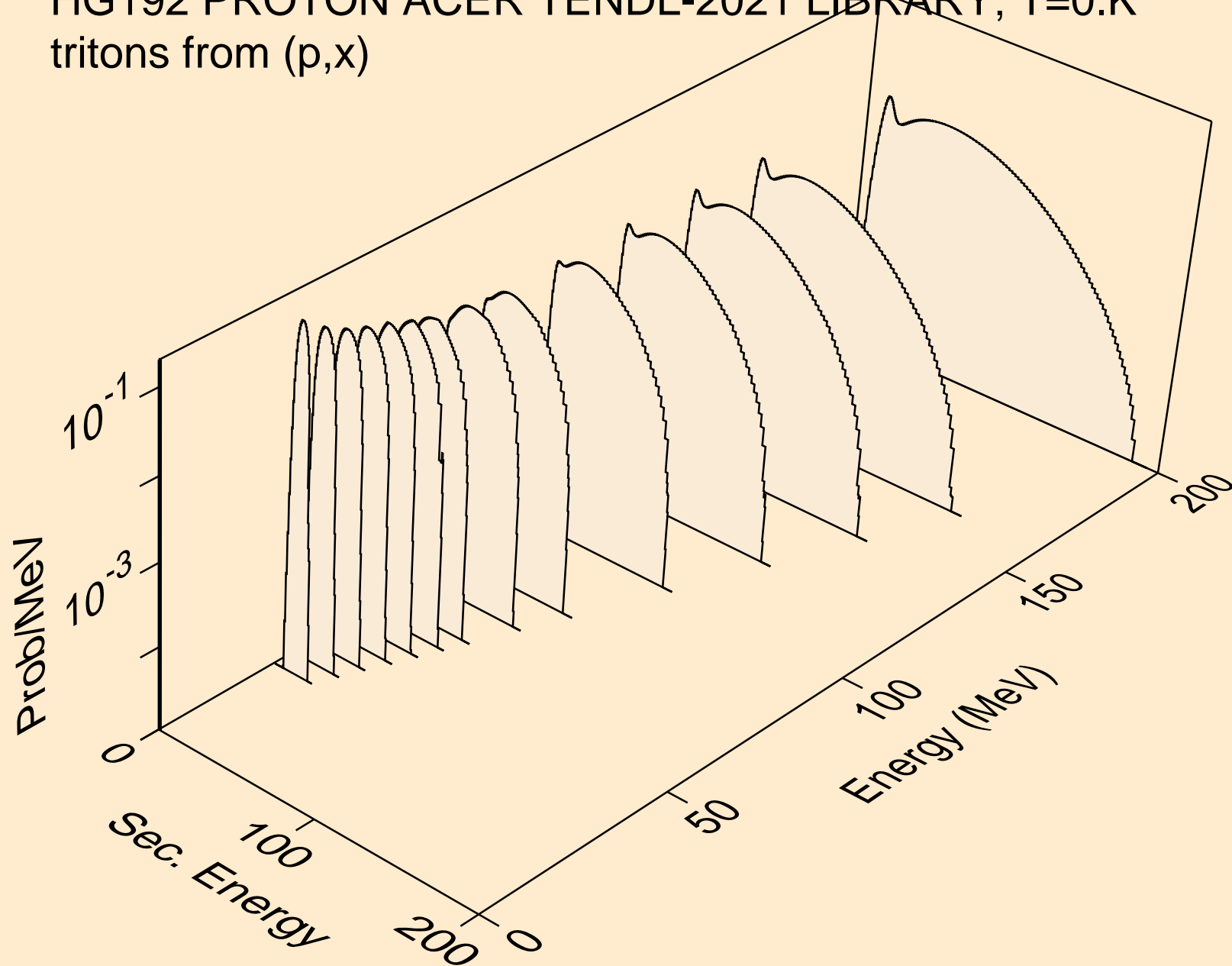
HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,pd)



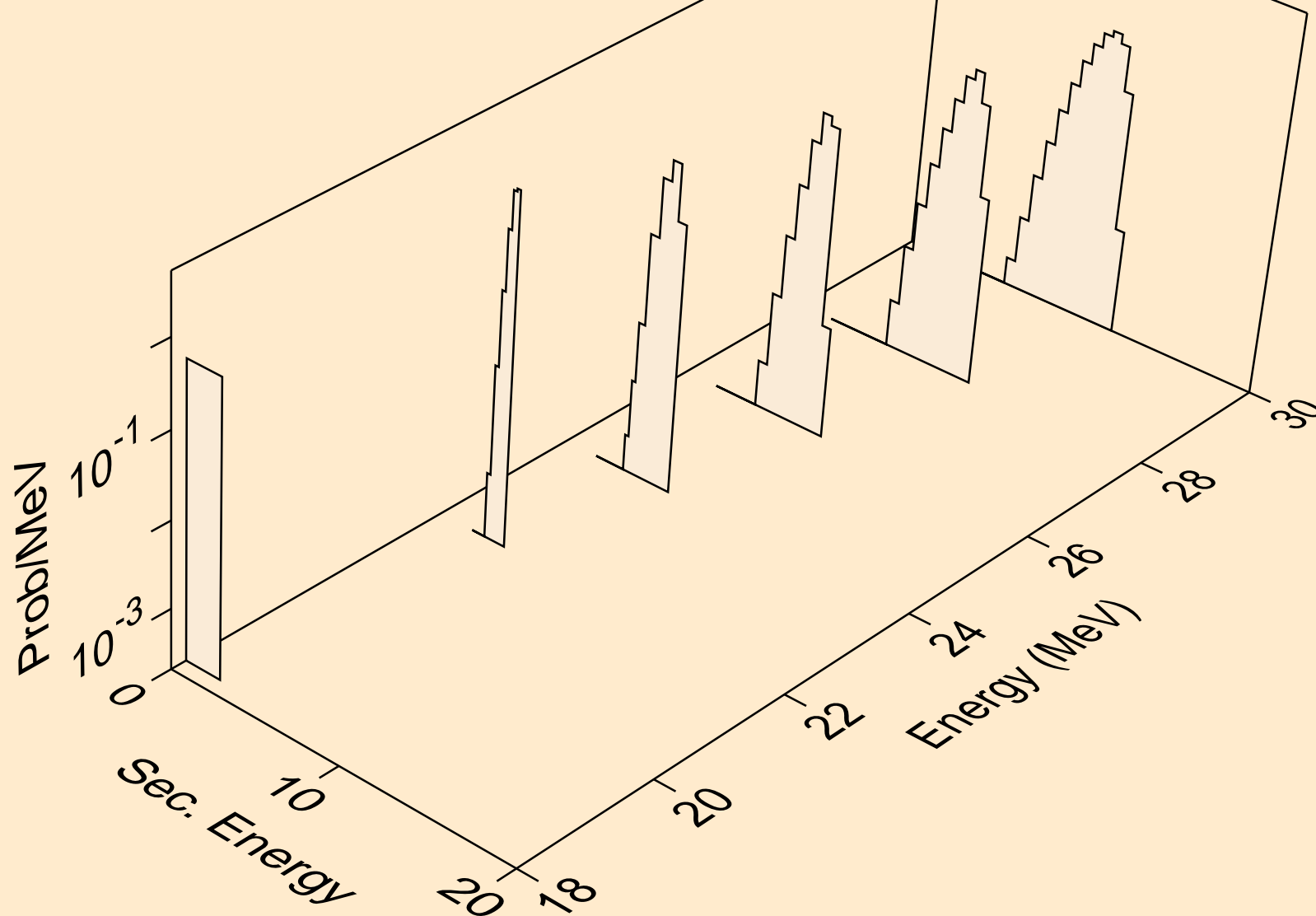
HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,da)



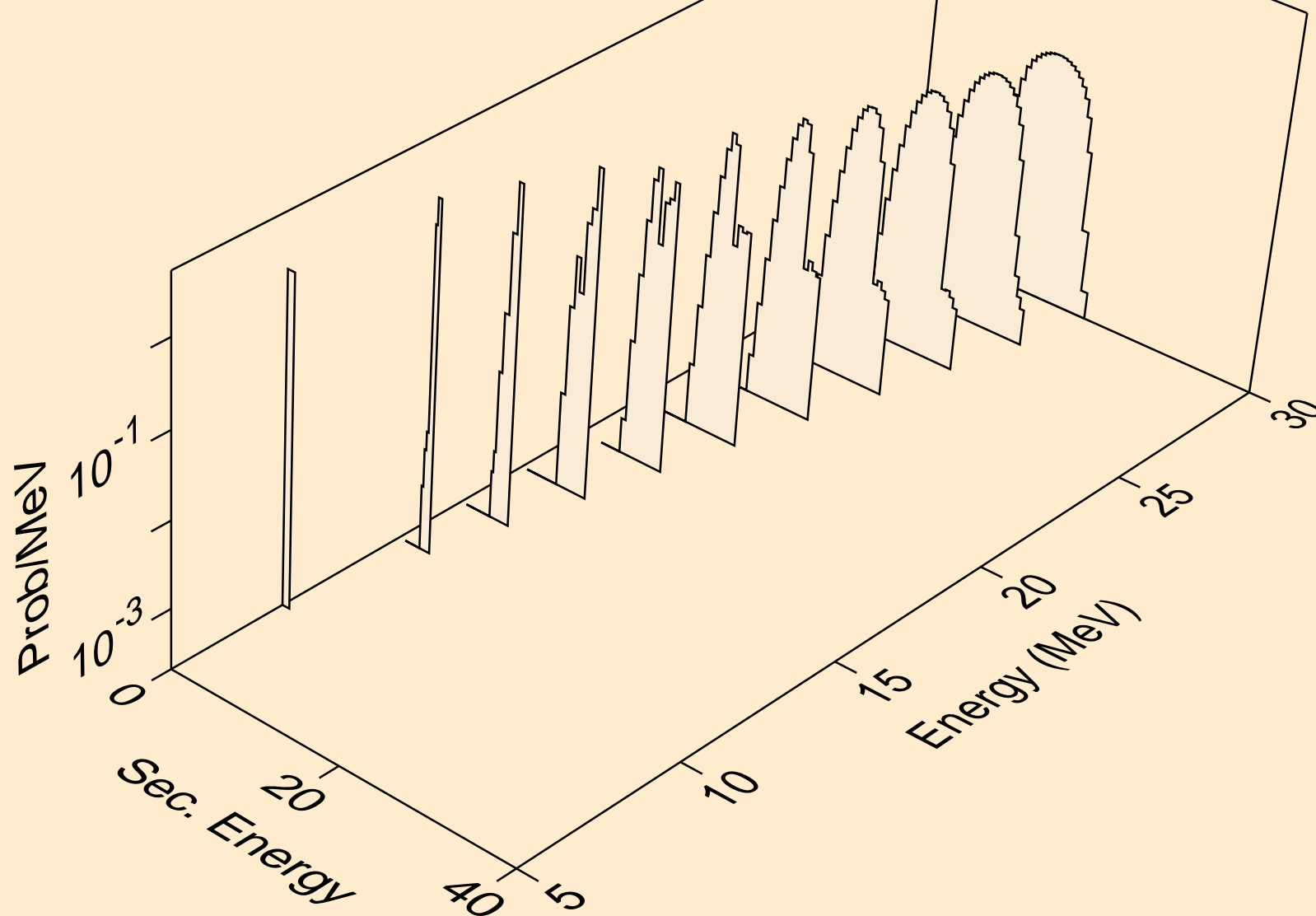
HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,x)



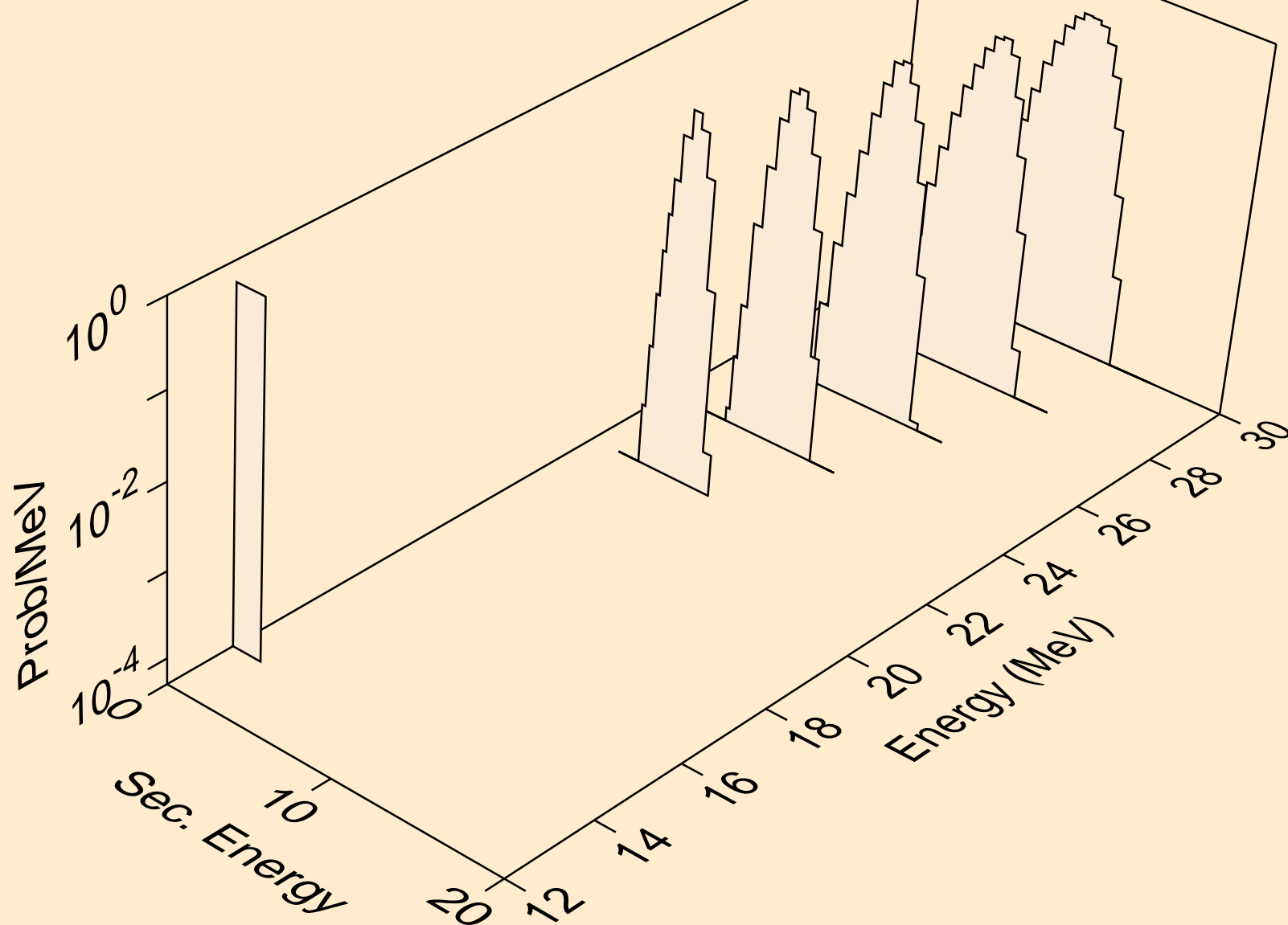
HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,n\*)t



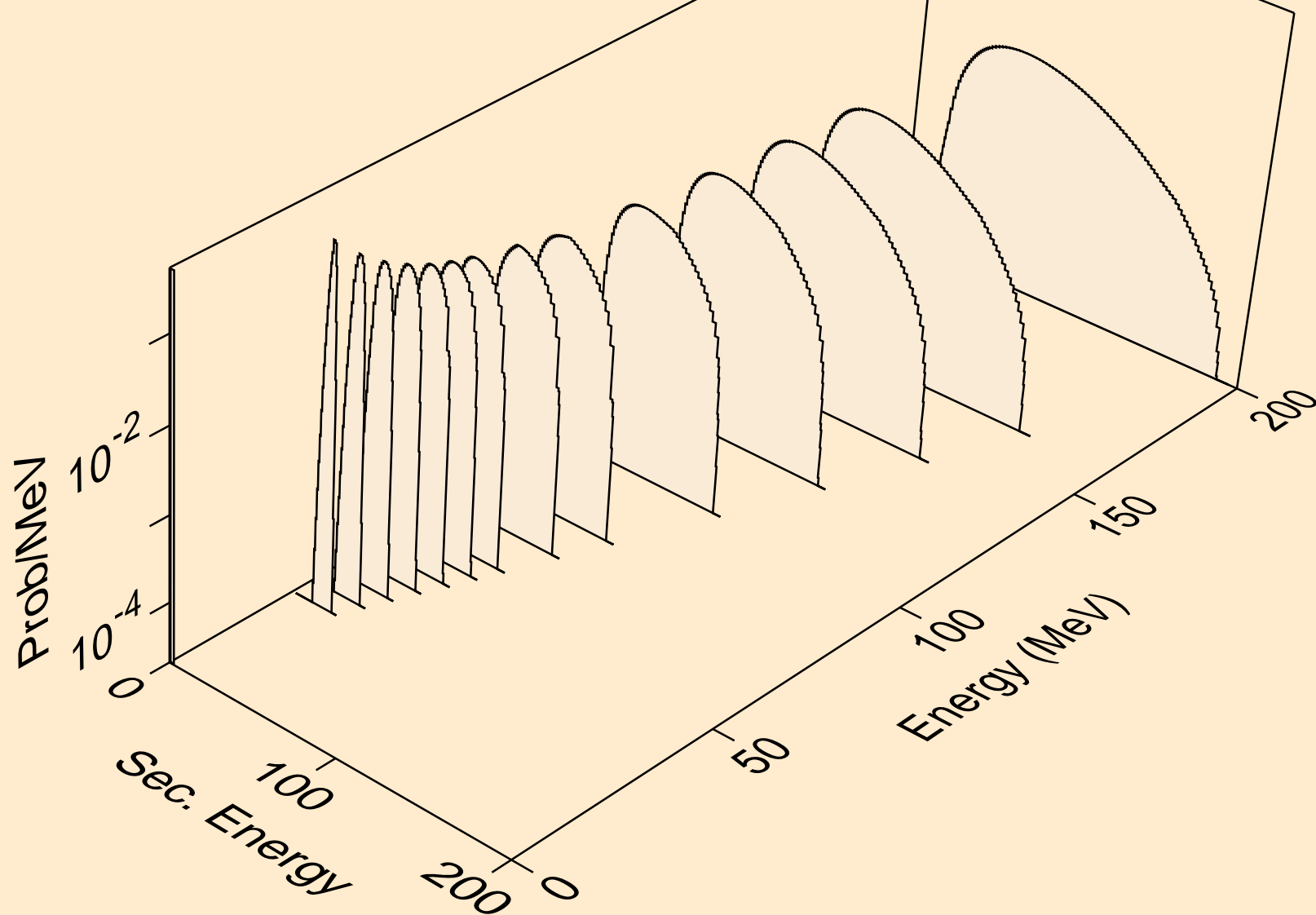
HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,t)



HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,pt)

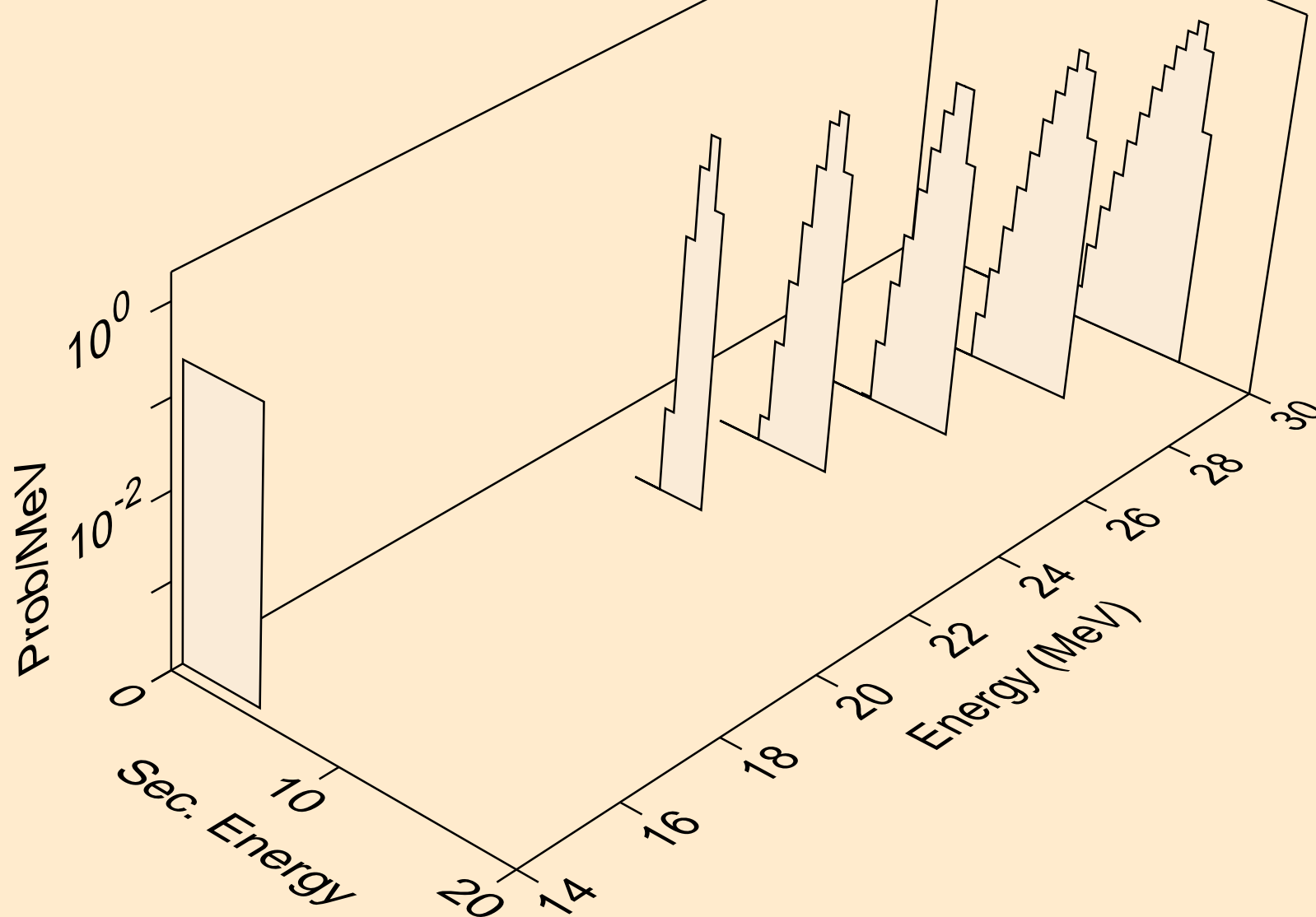


HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,x)

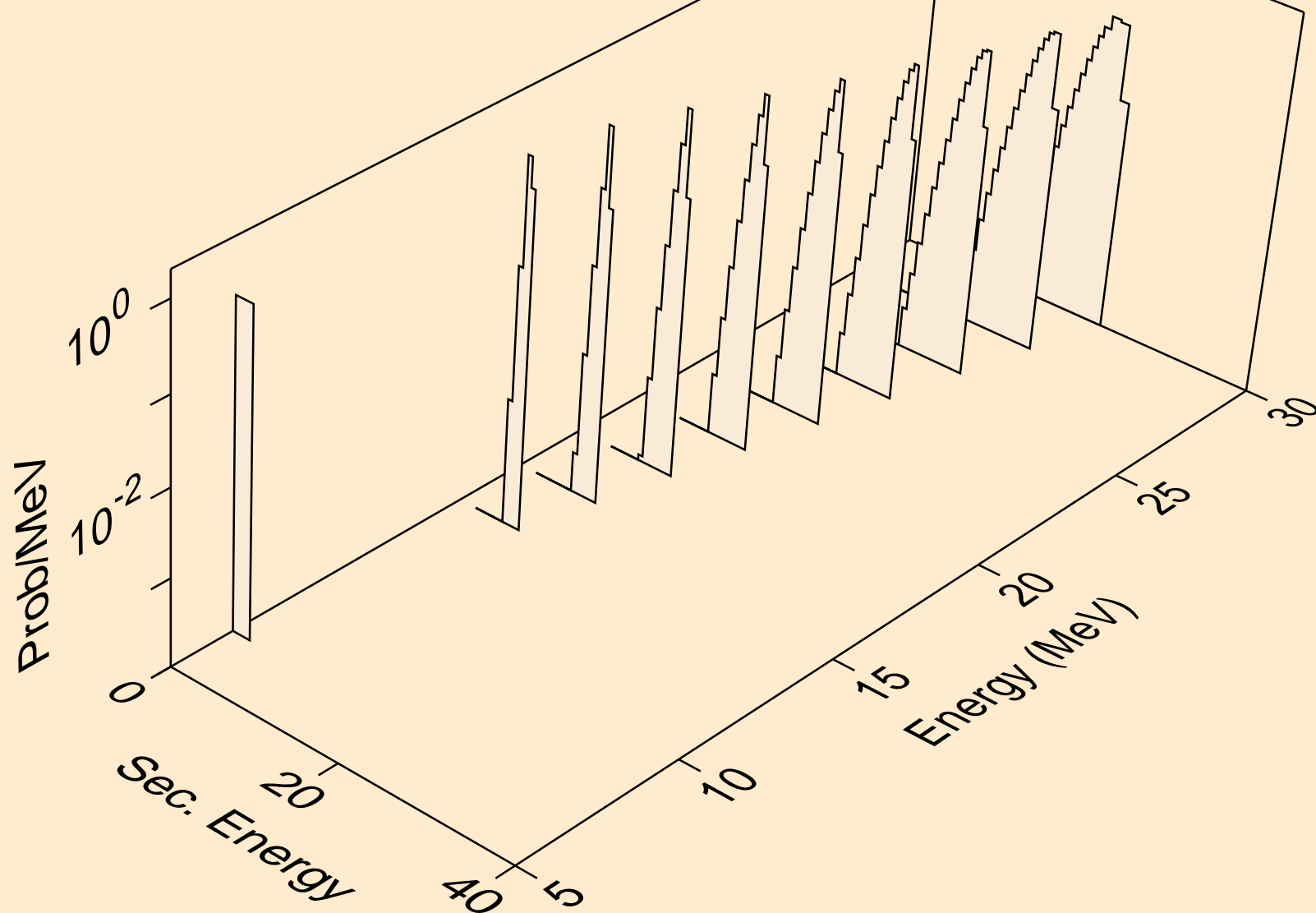




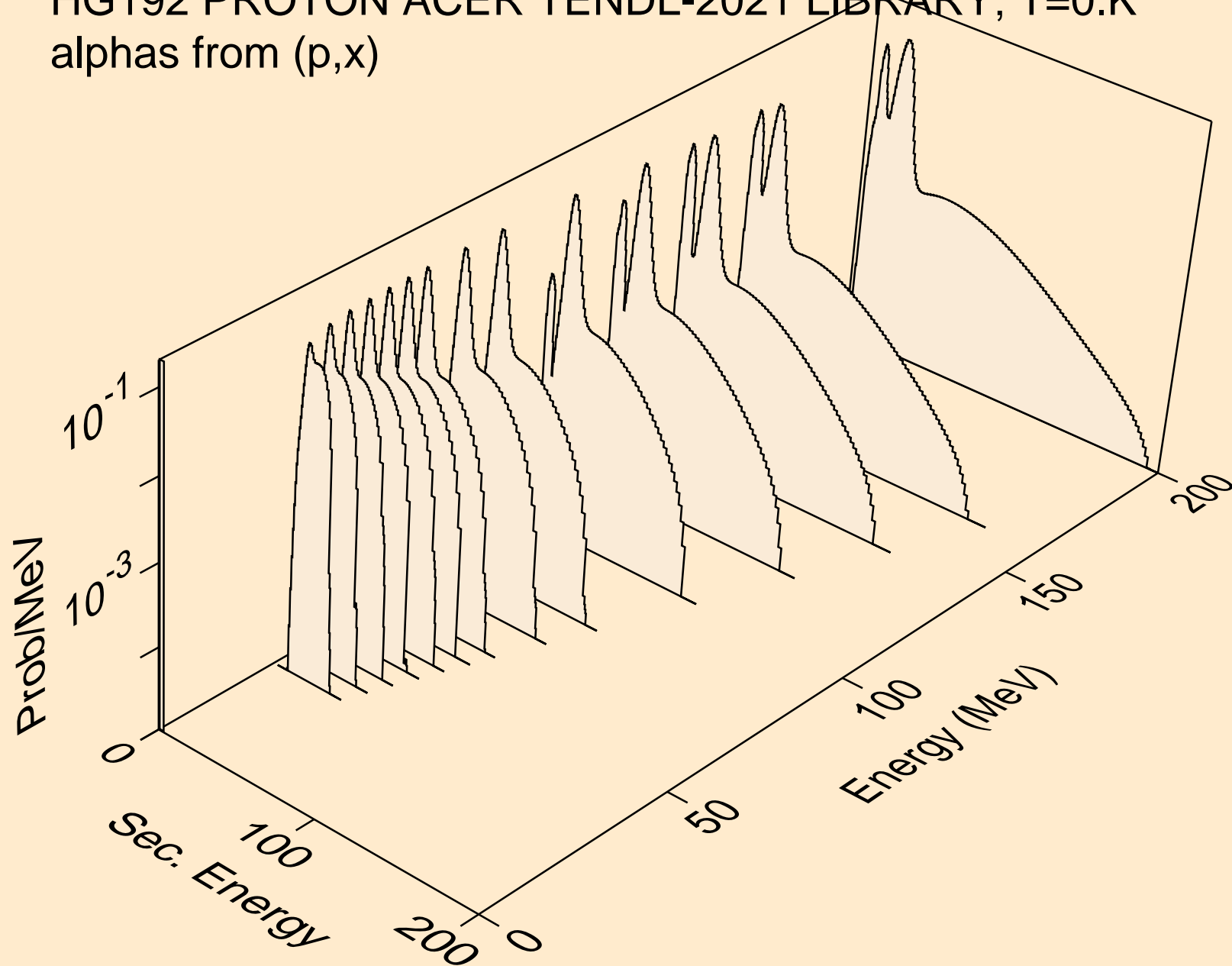
HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,n\*)he3



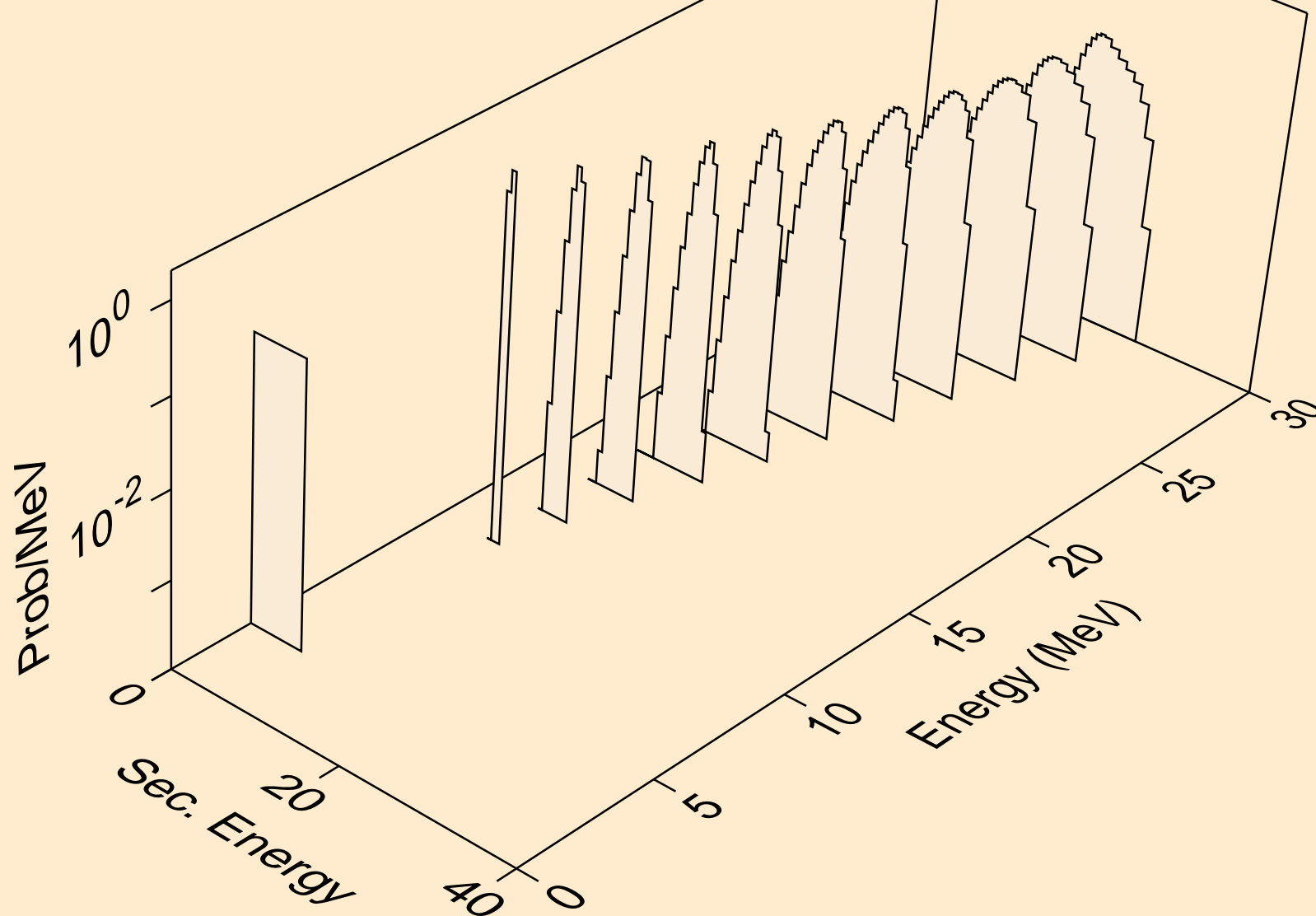
HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,he3)



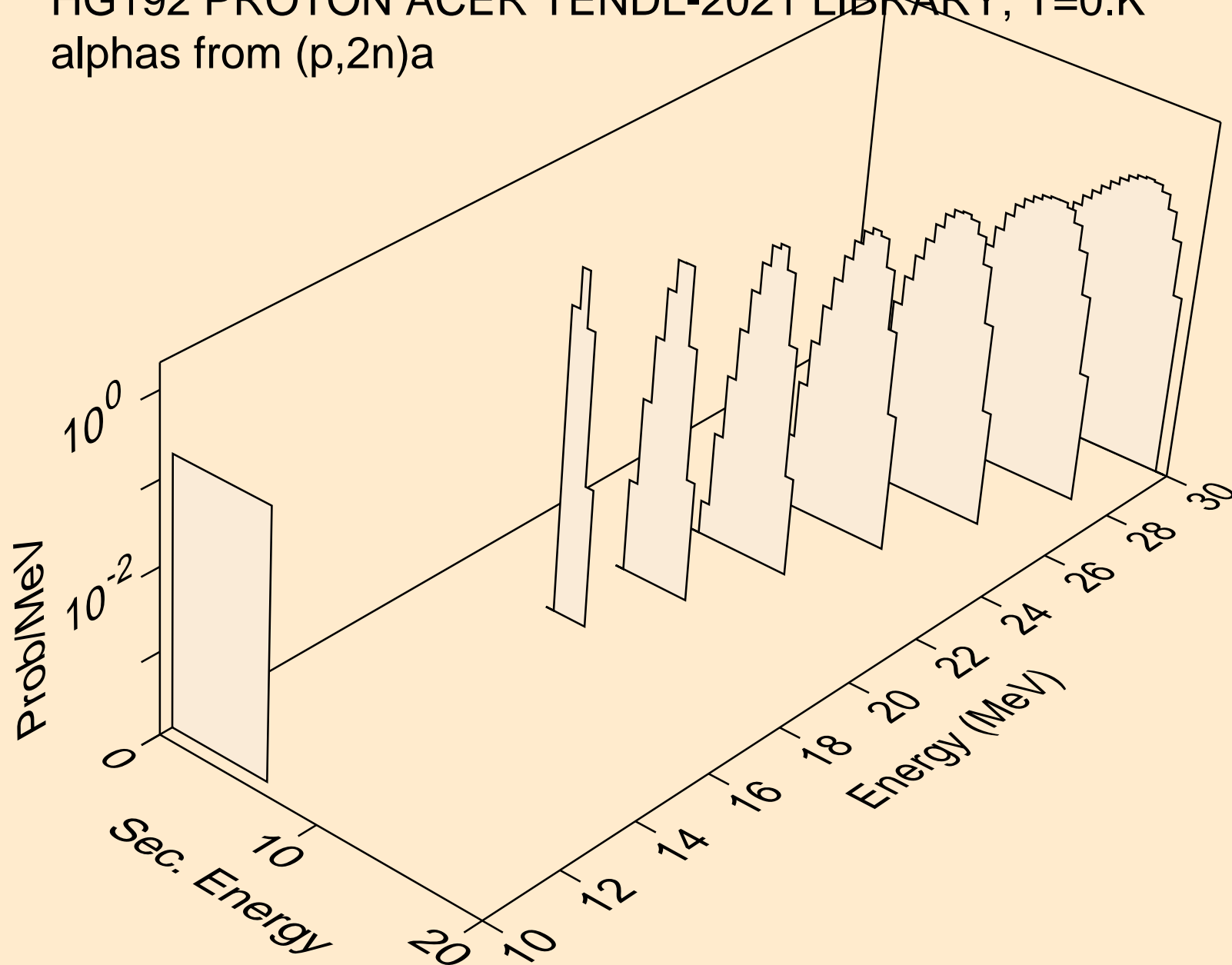
HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,x)



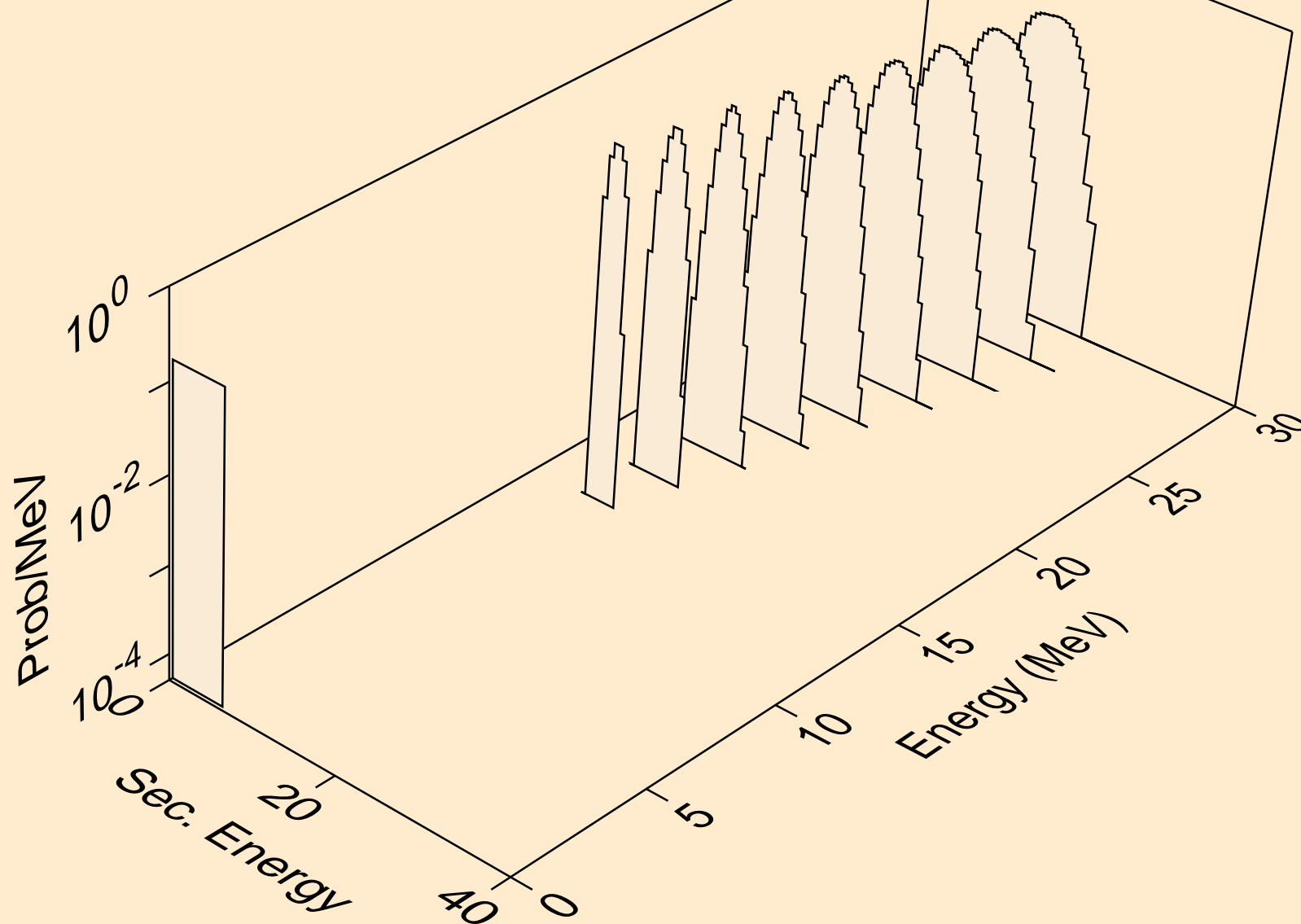
HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)a



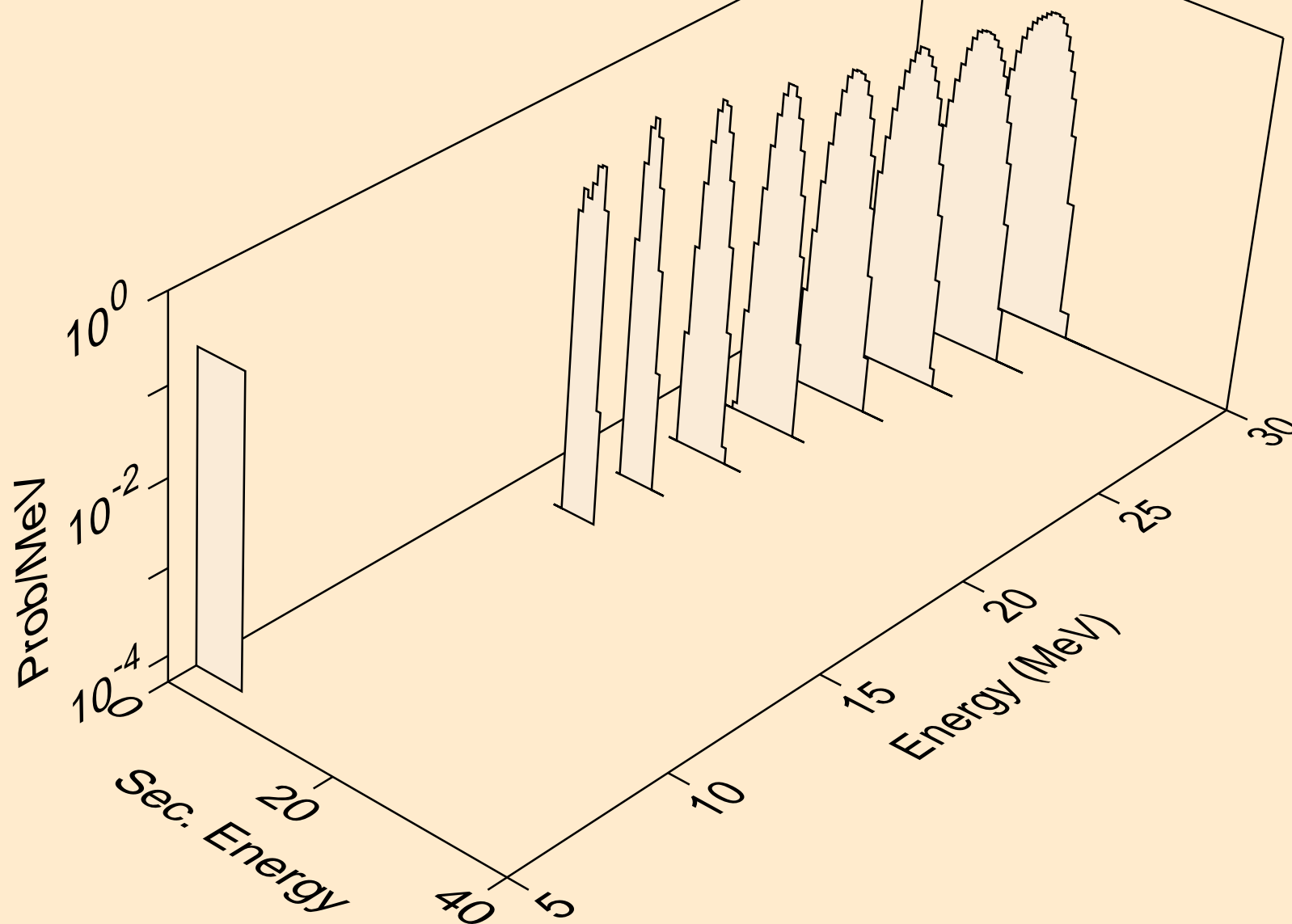
HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2n)a



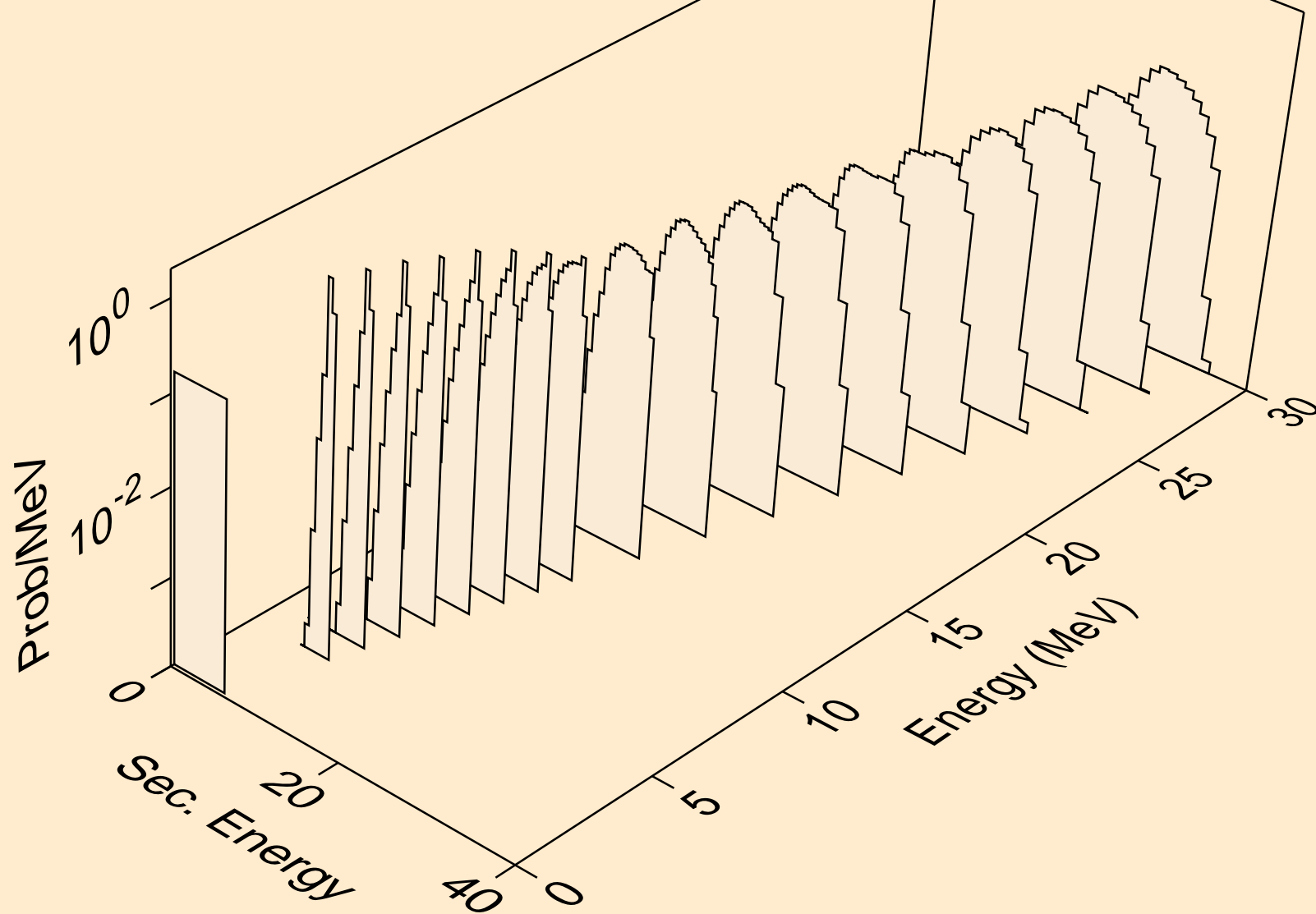
HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)2a



HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,npa)

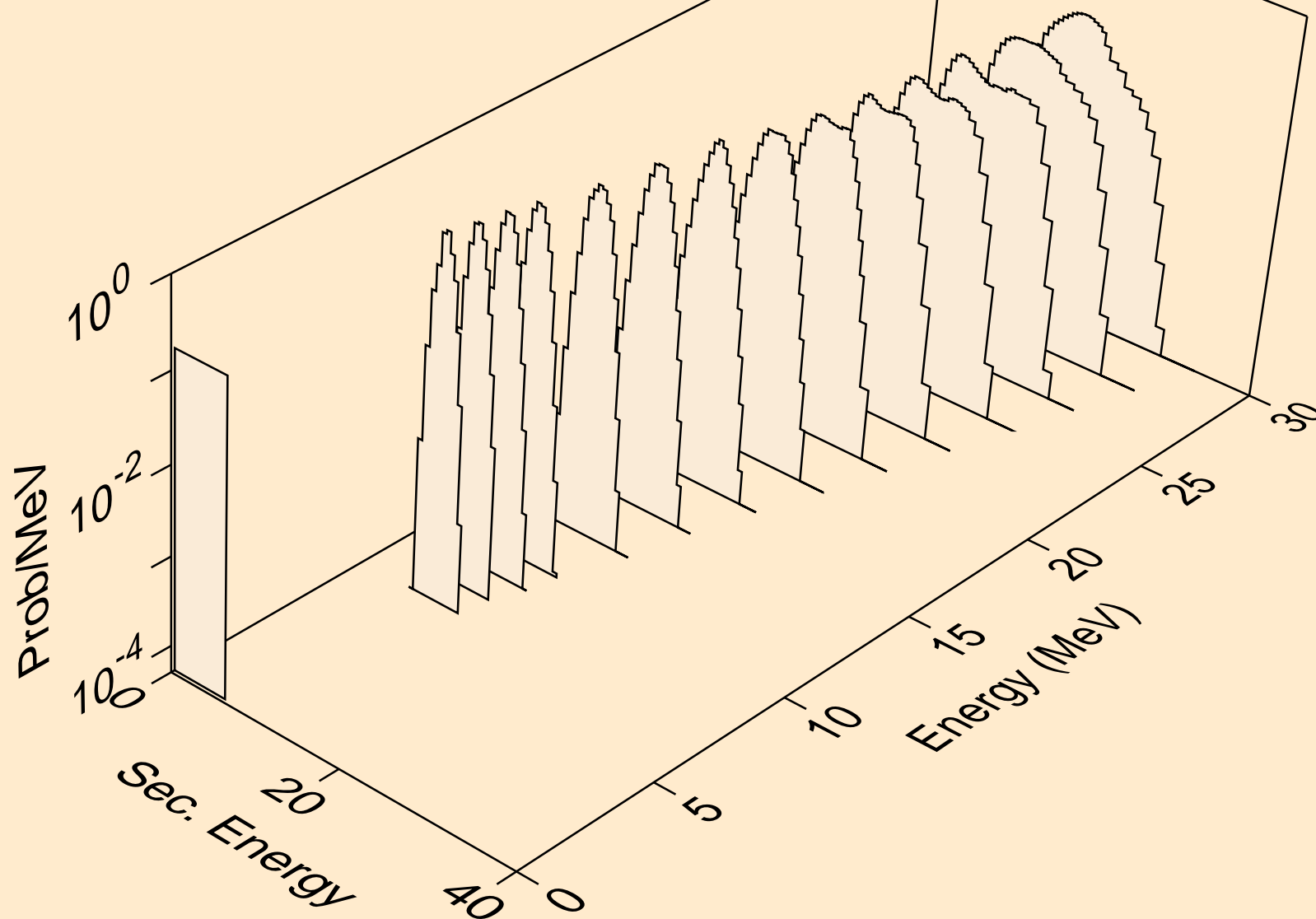


HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,a)

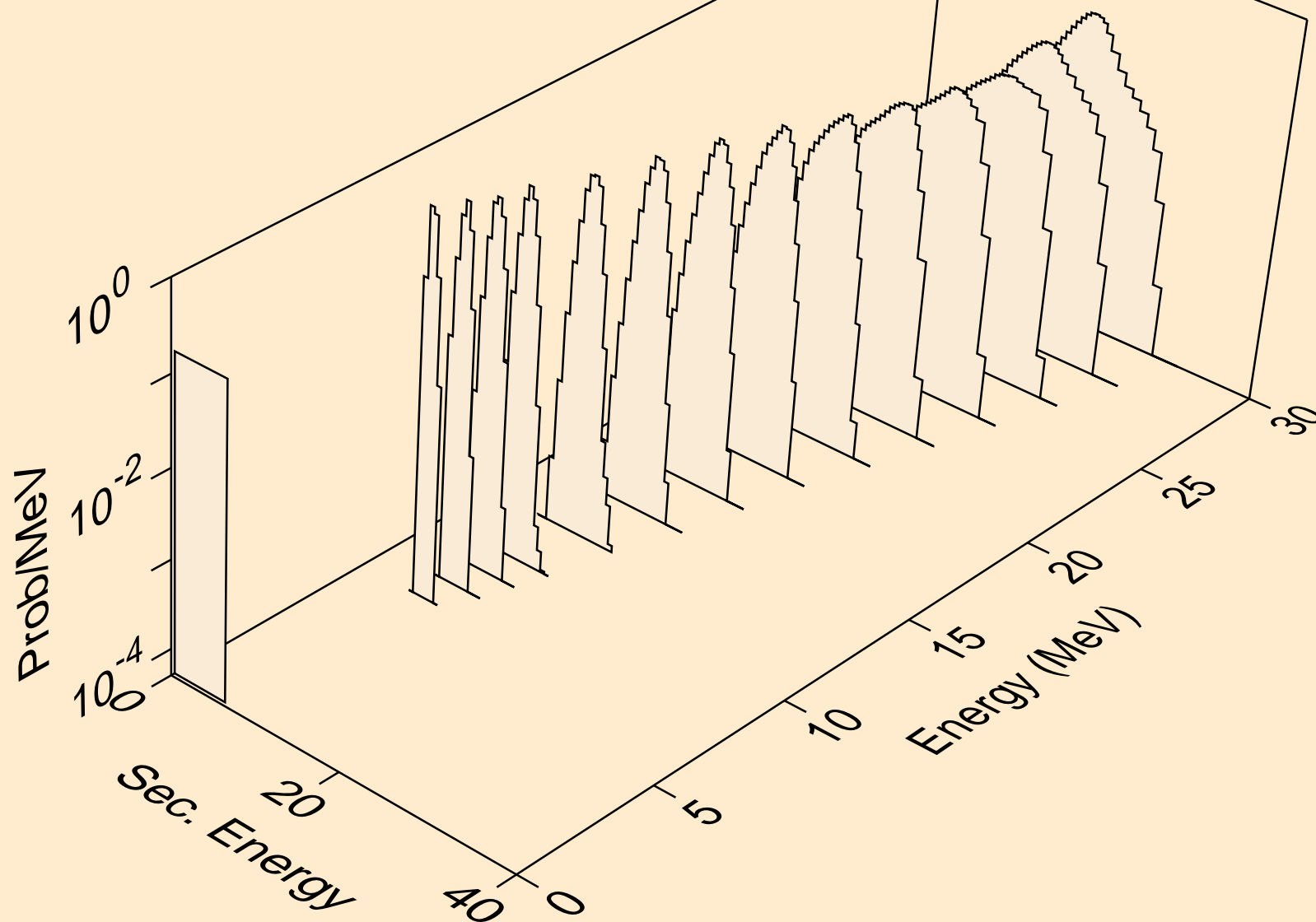




HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2a)



HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,pa)



HG192 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,da)

