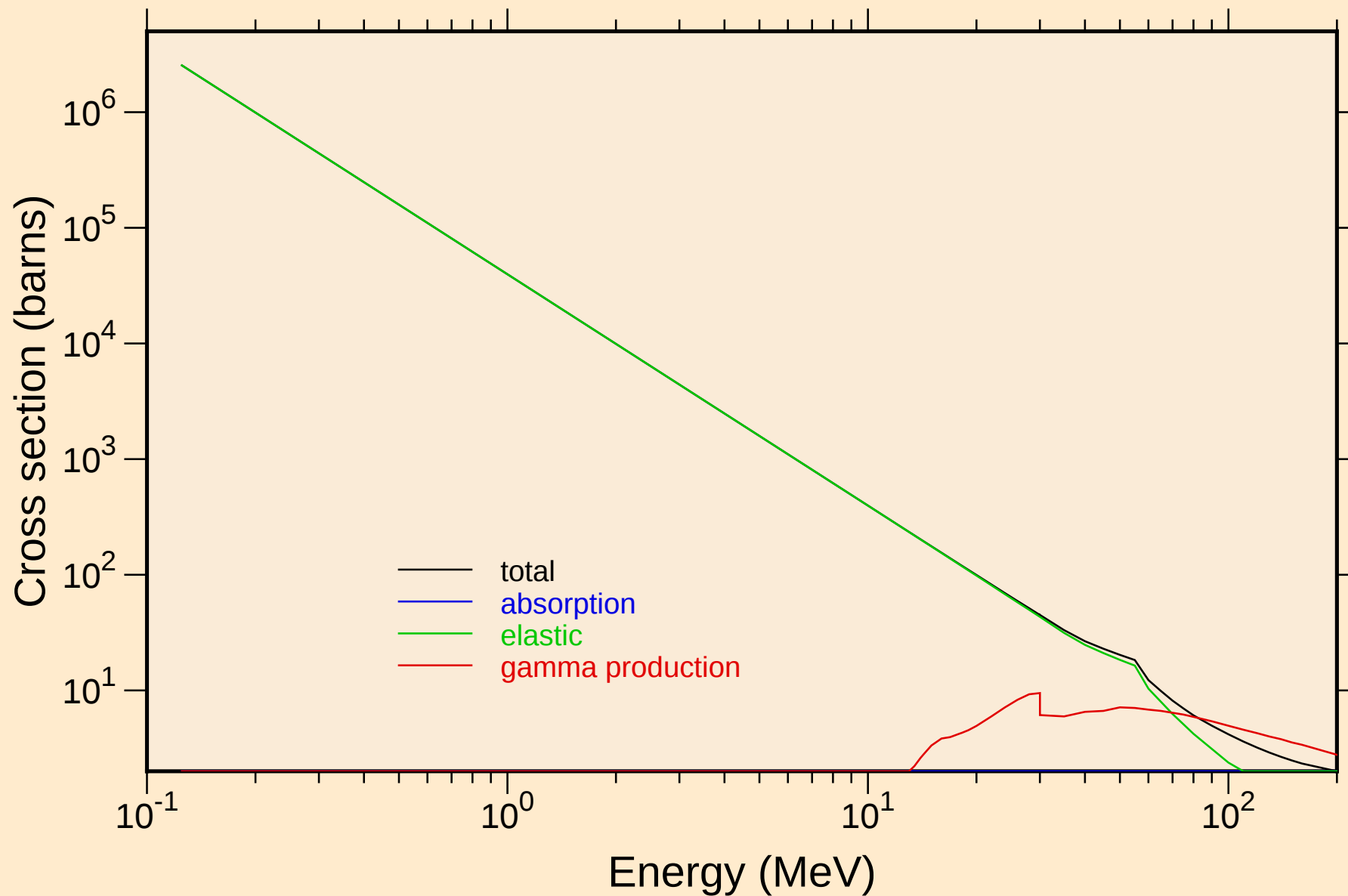


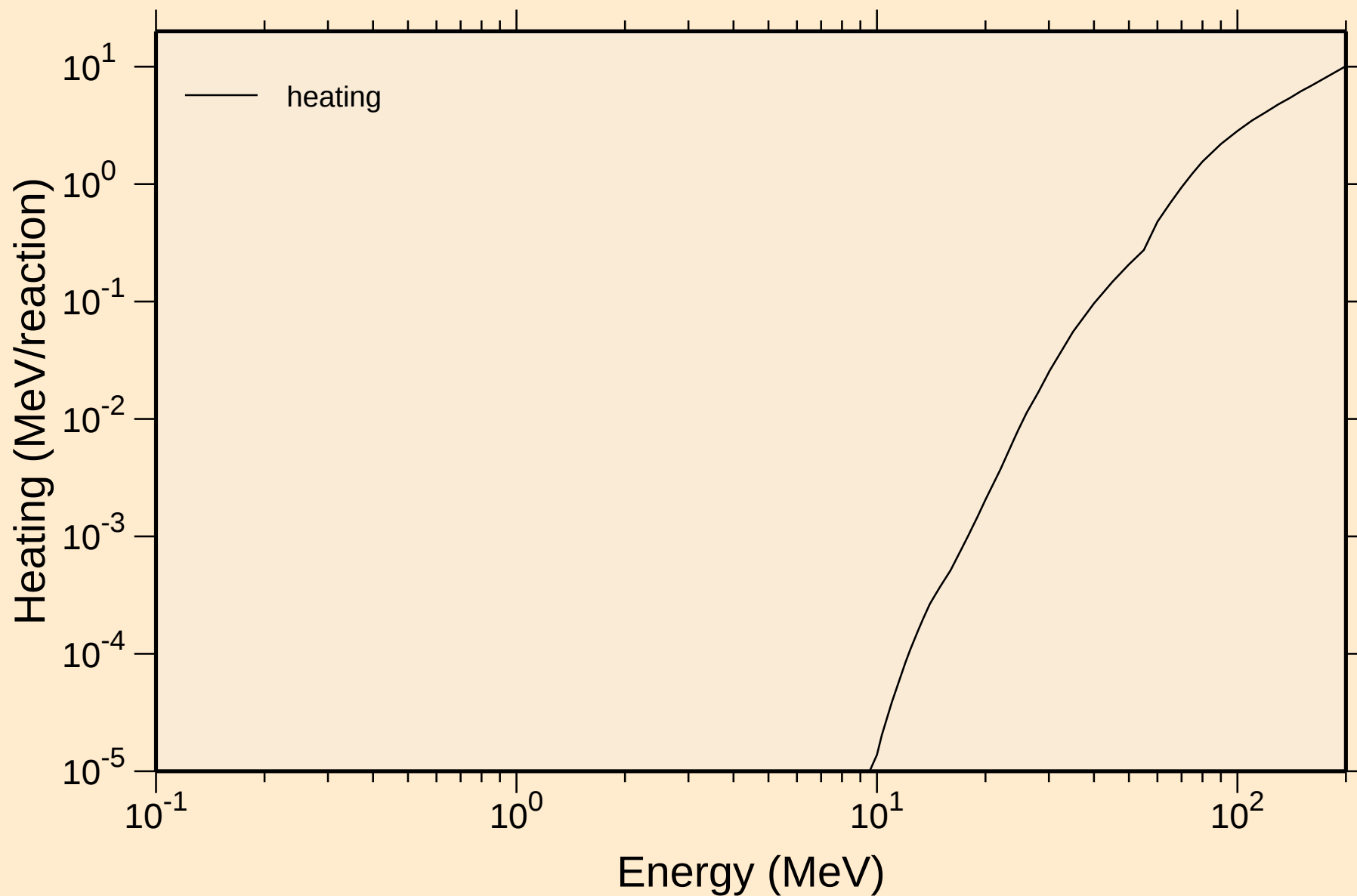
# HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



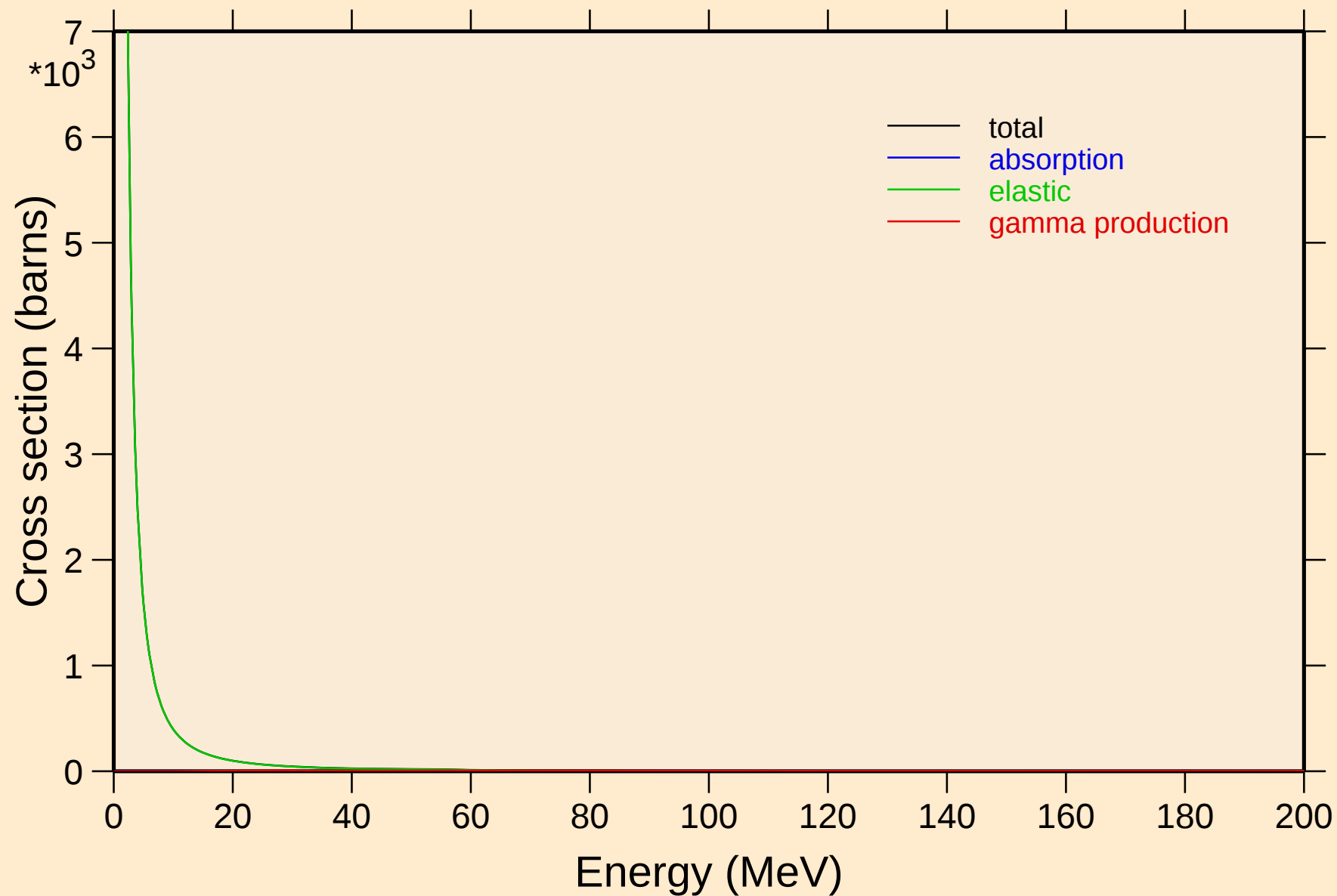
# HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Heating



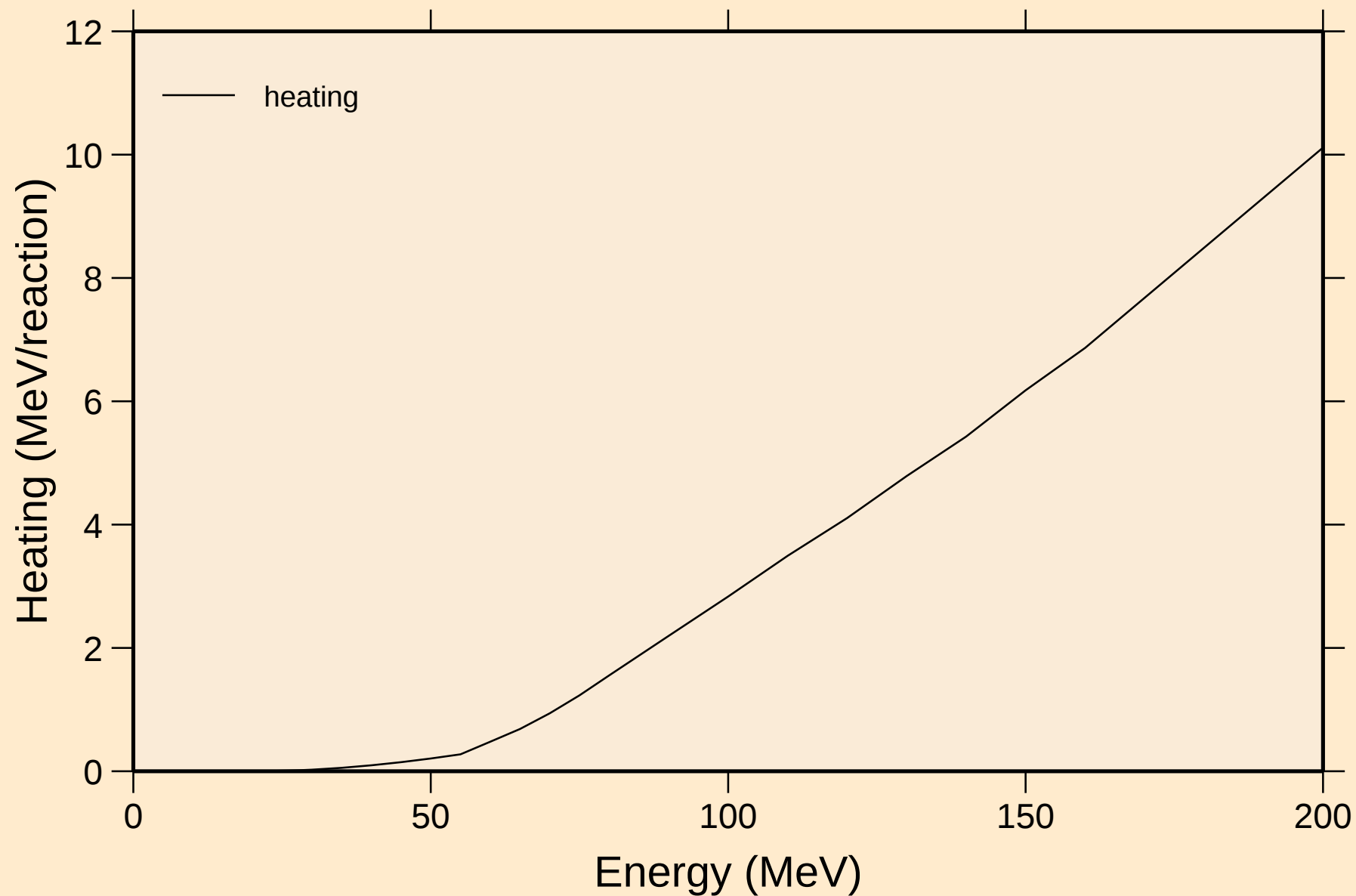
# HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



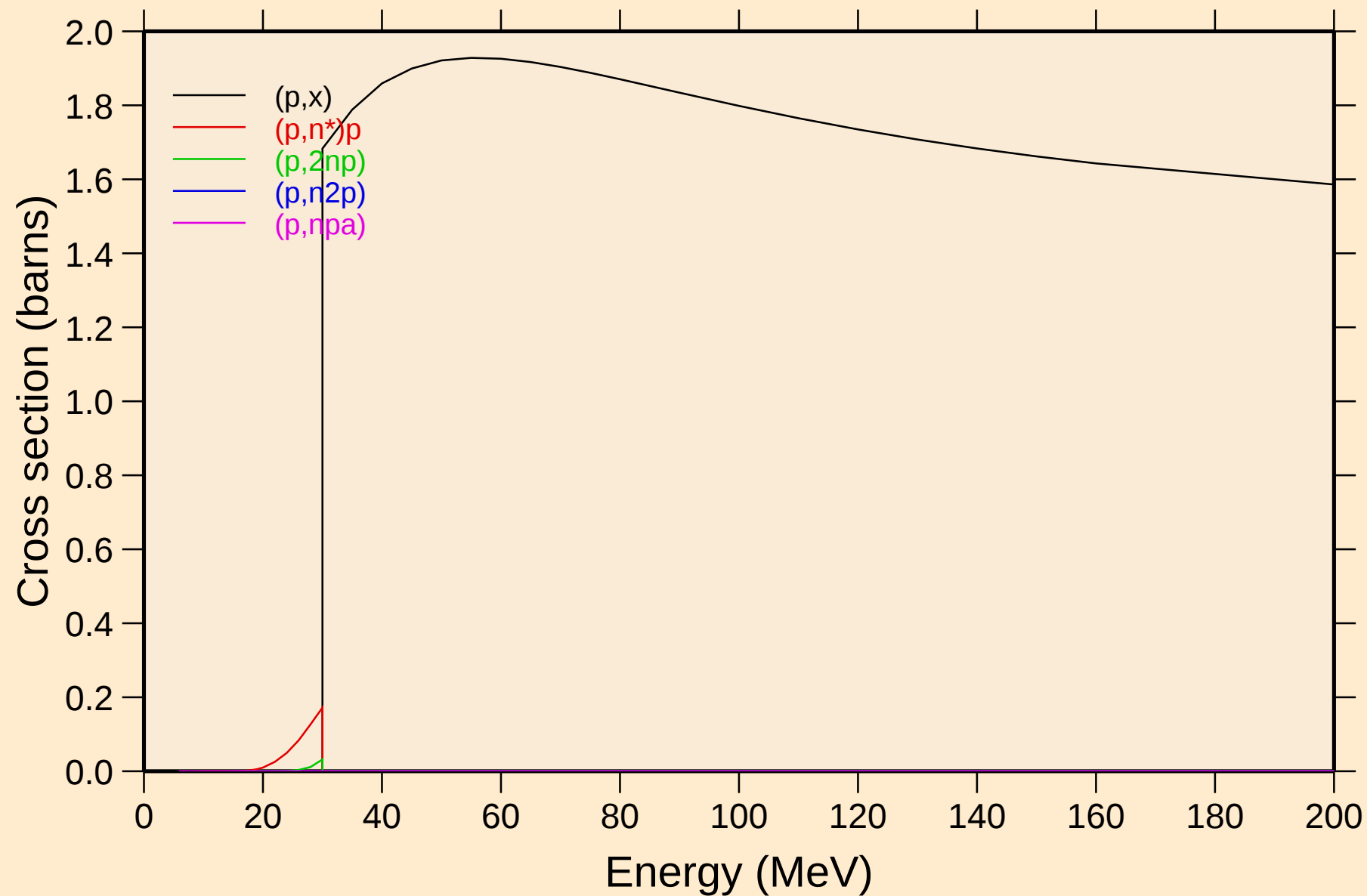
# HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Heating



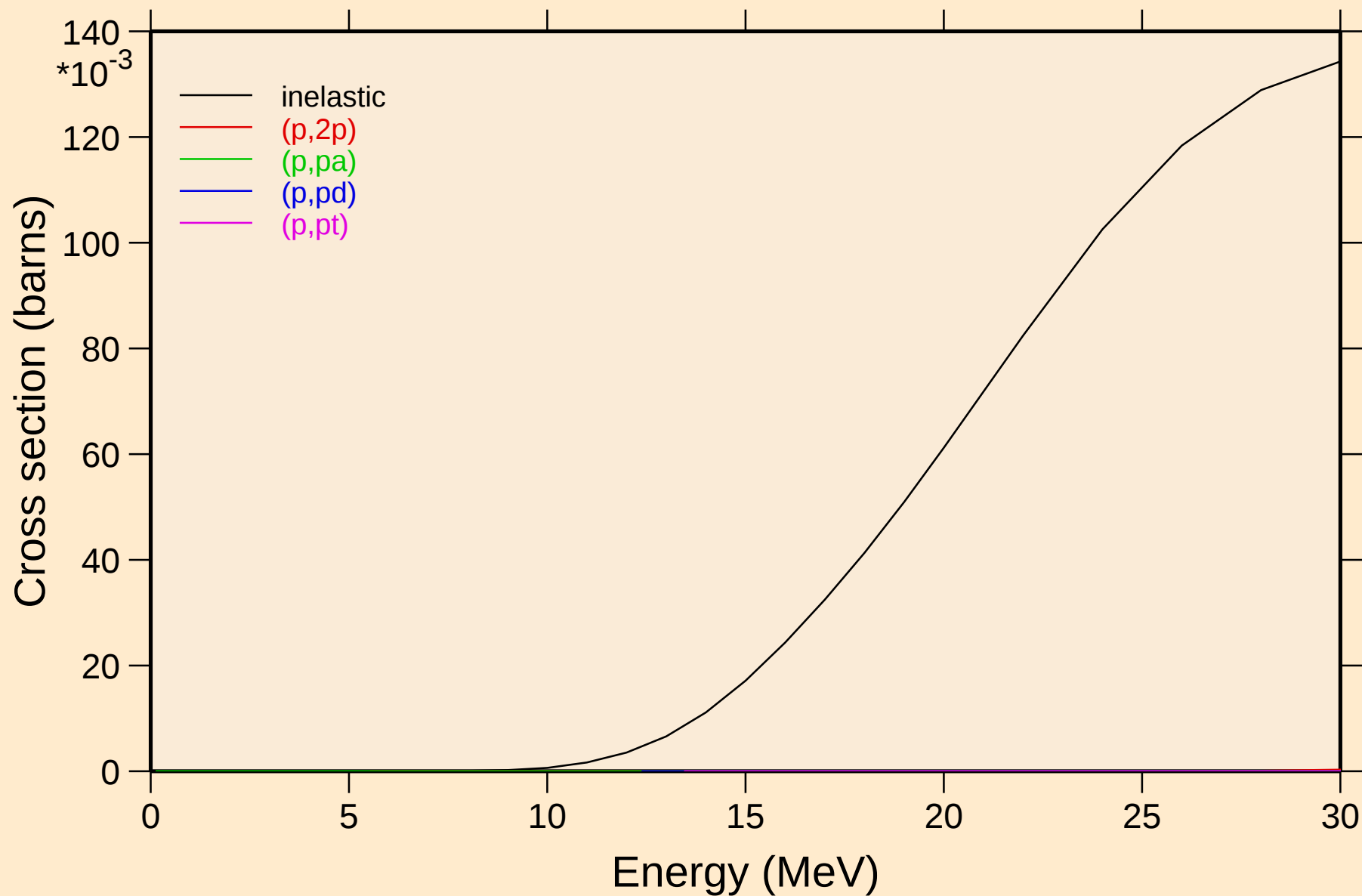
# HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



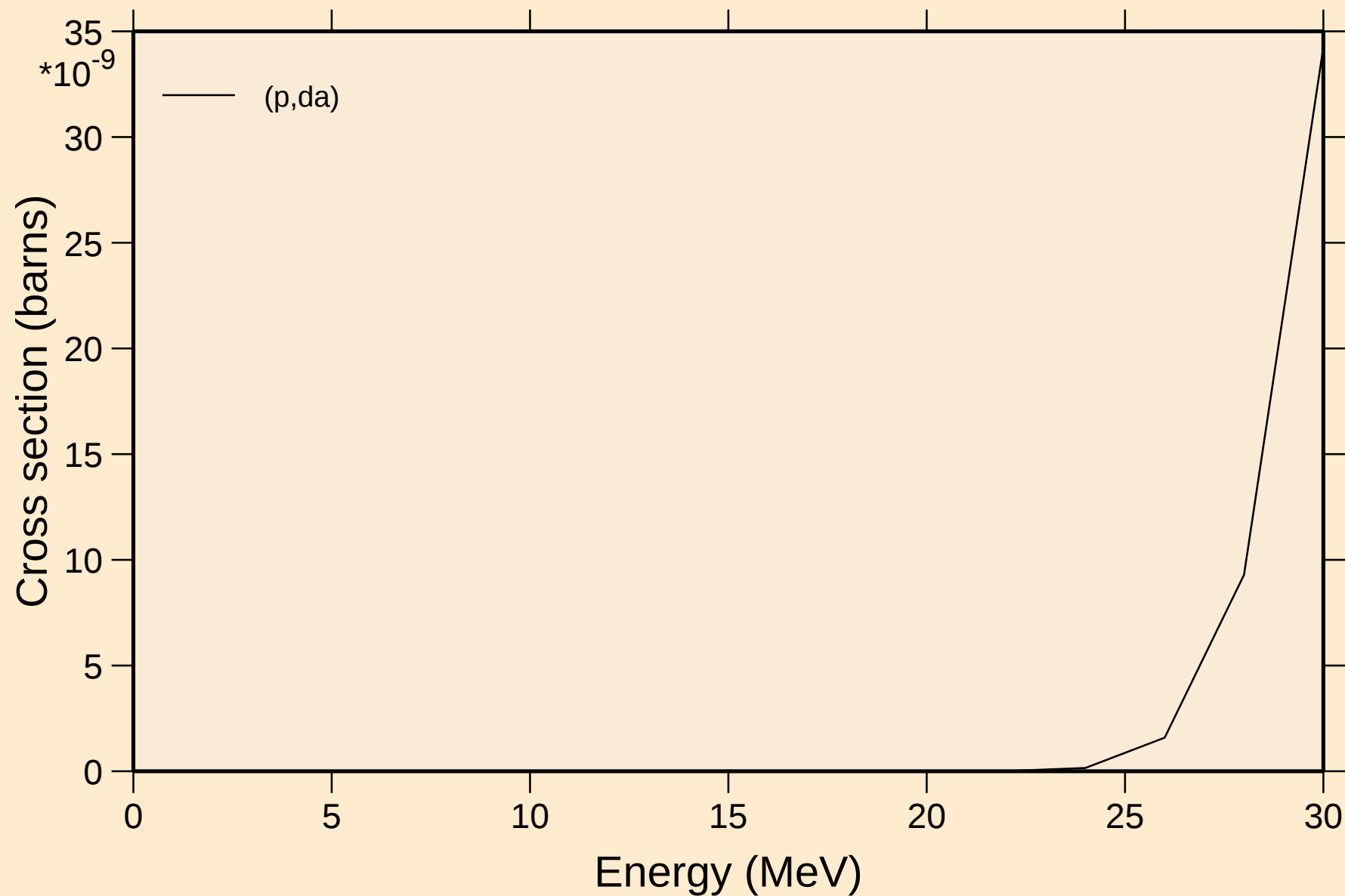
# HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

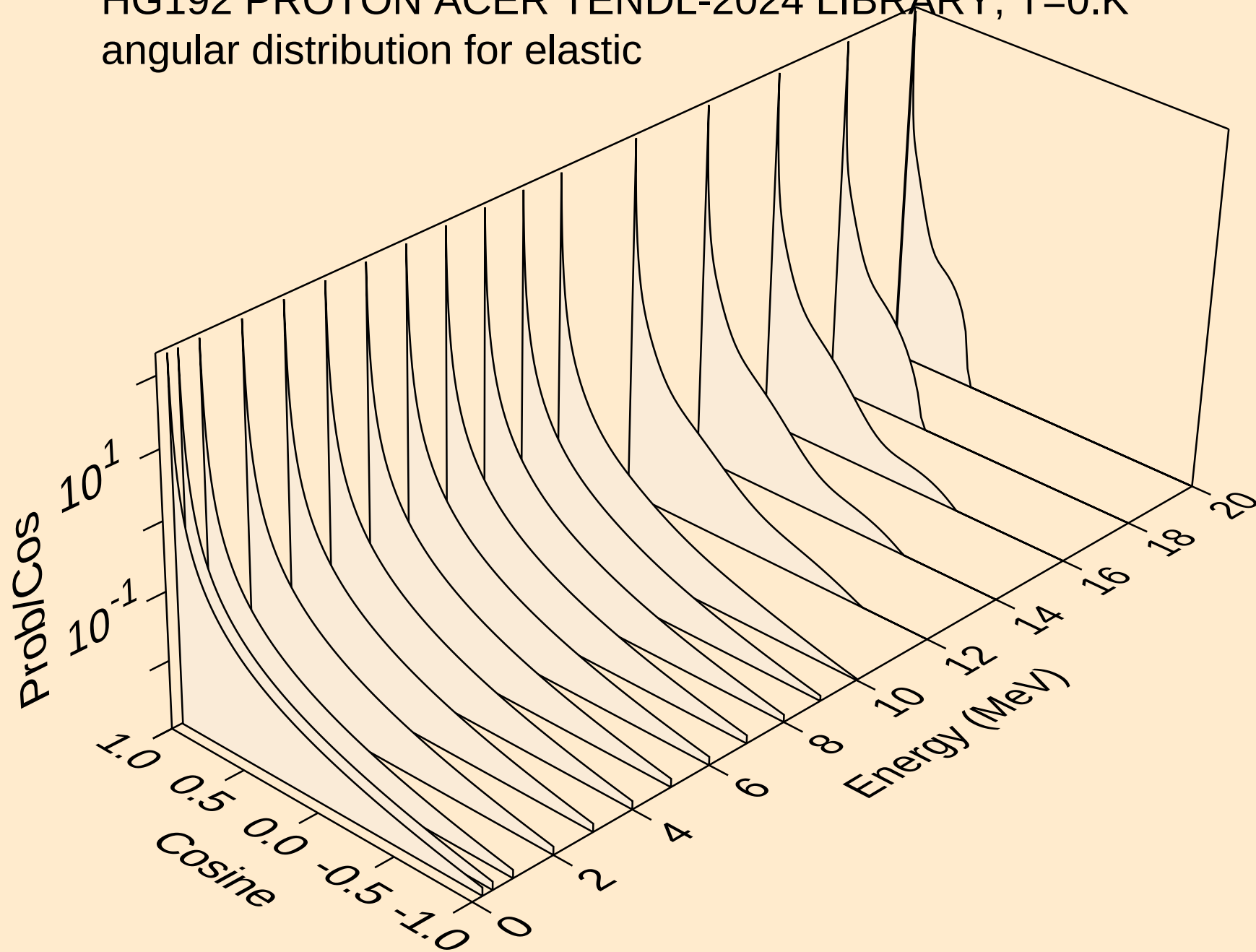


# HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K

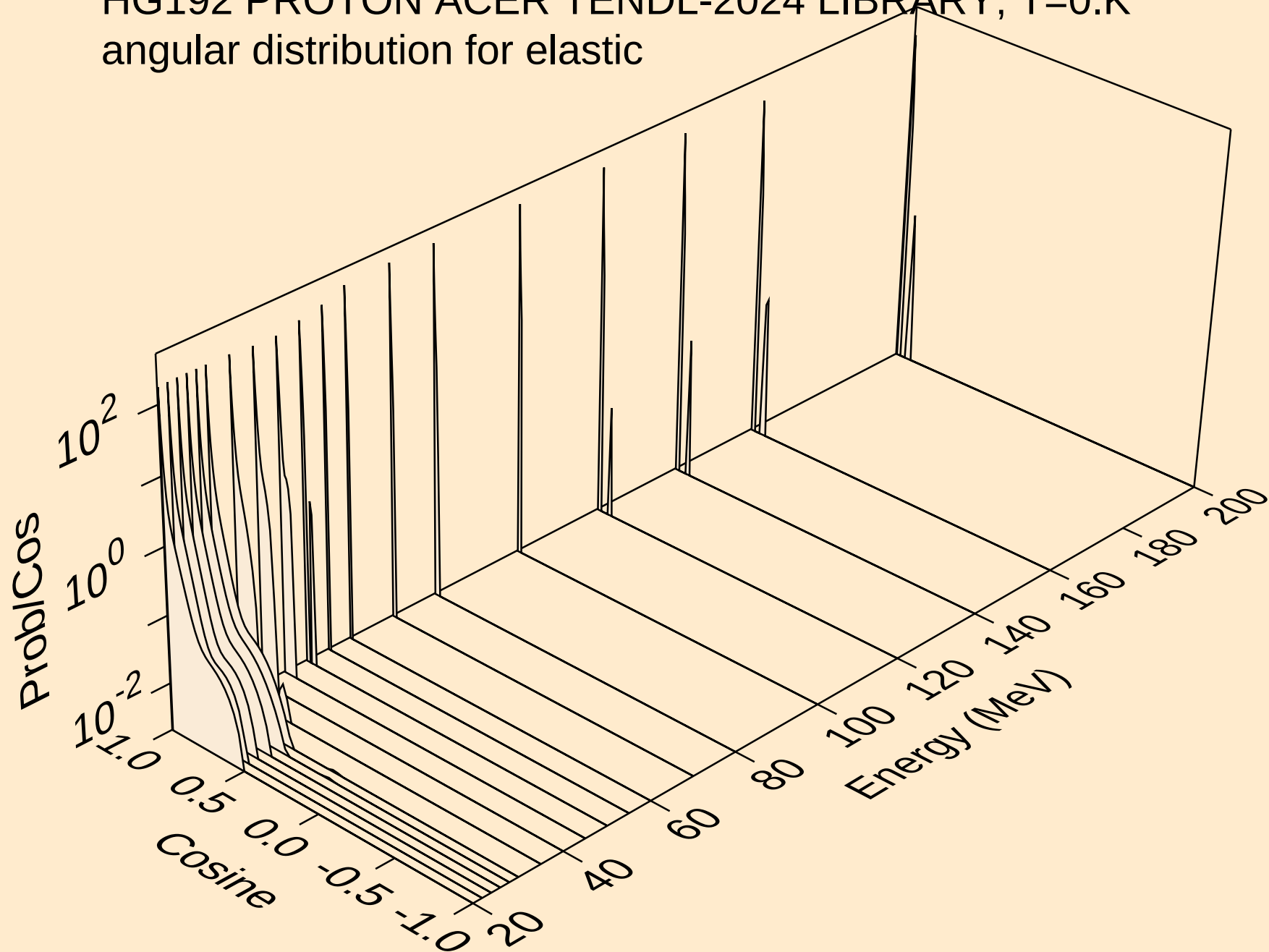
Threshold reactions



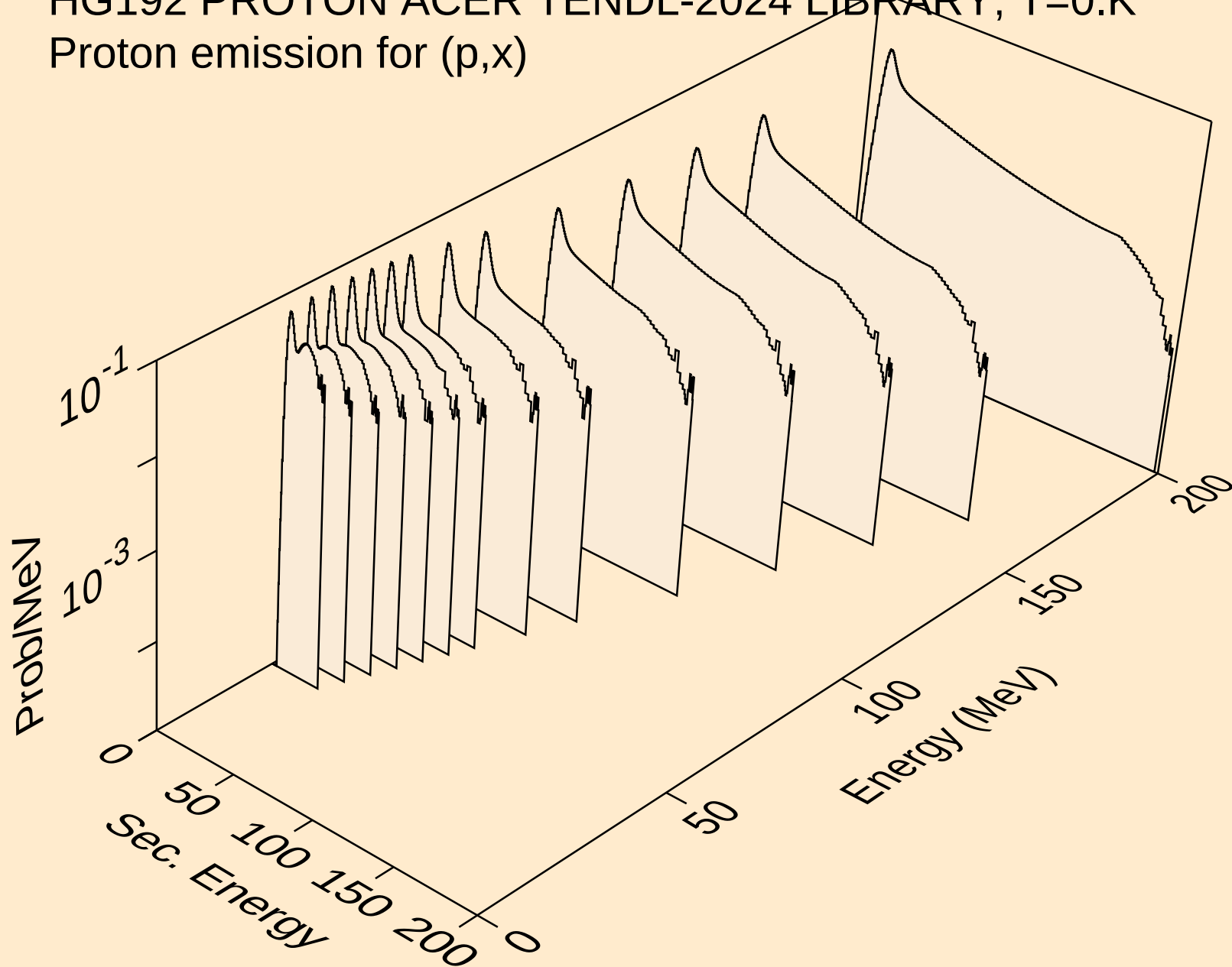
HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

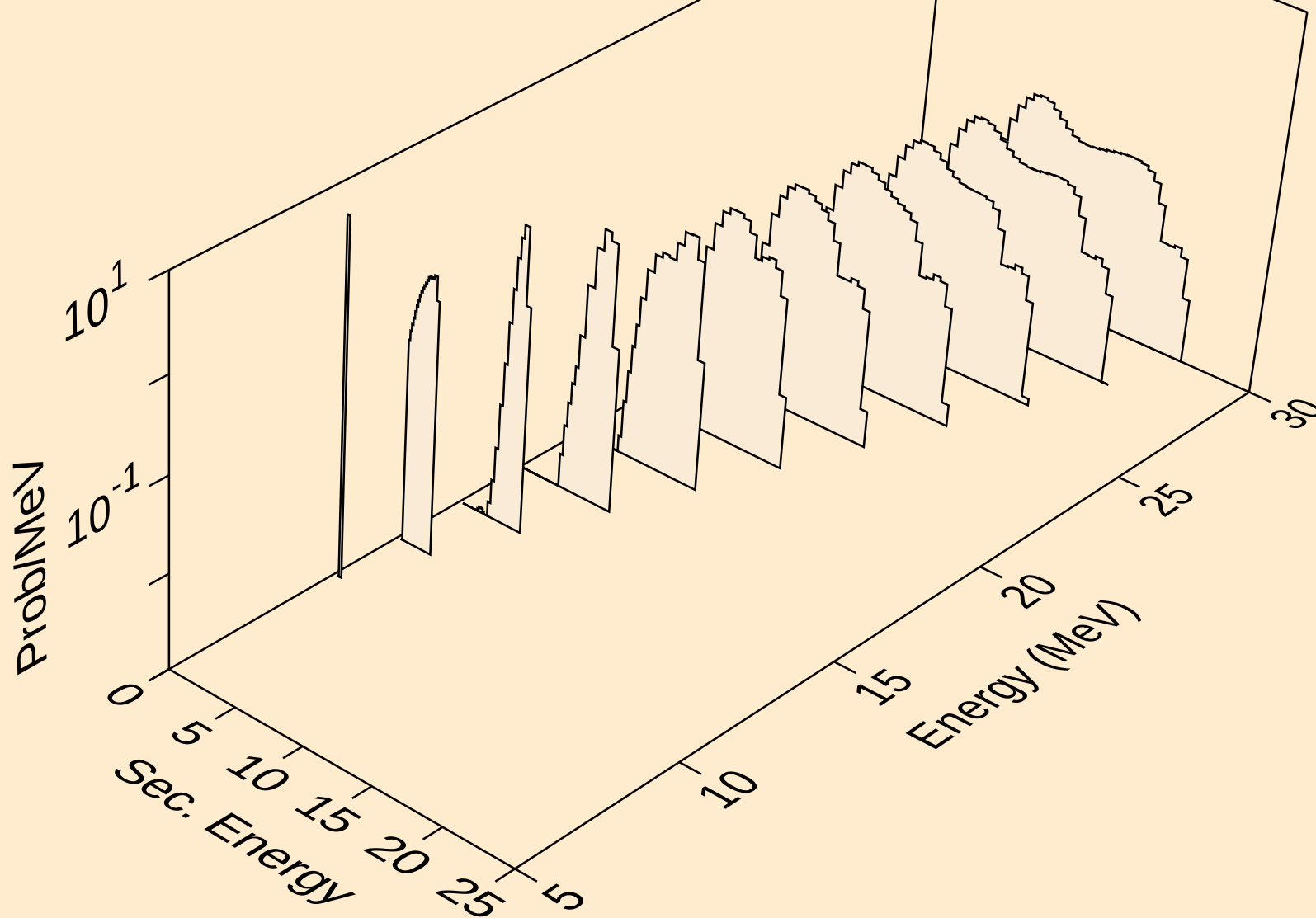


HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,x)

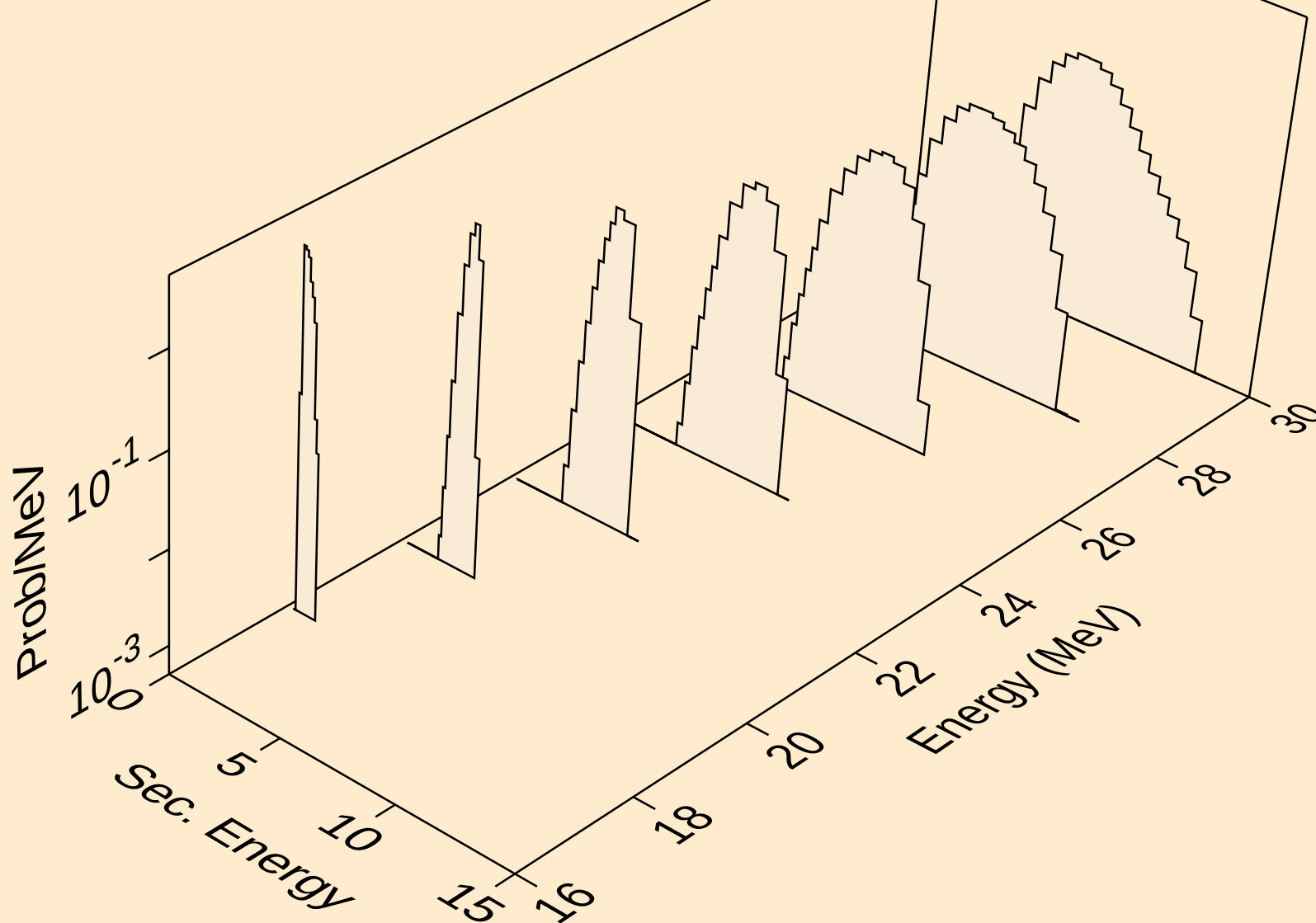


# HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K

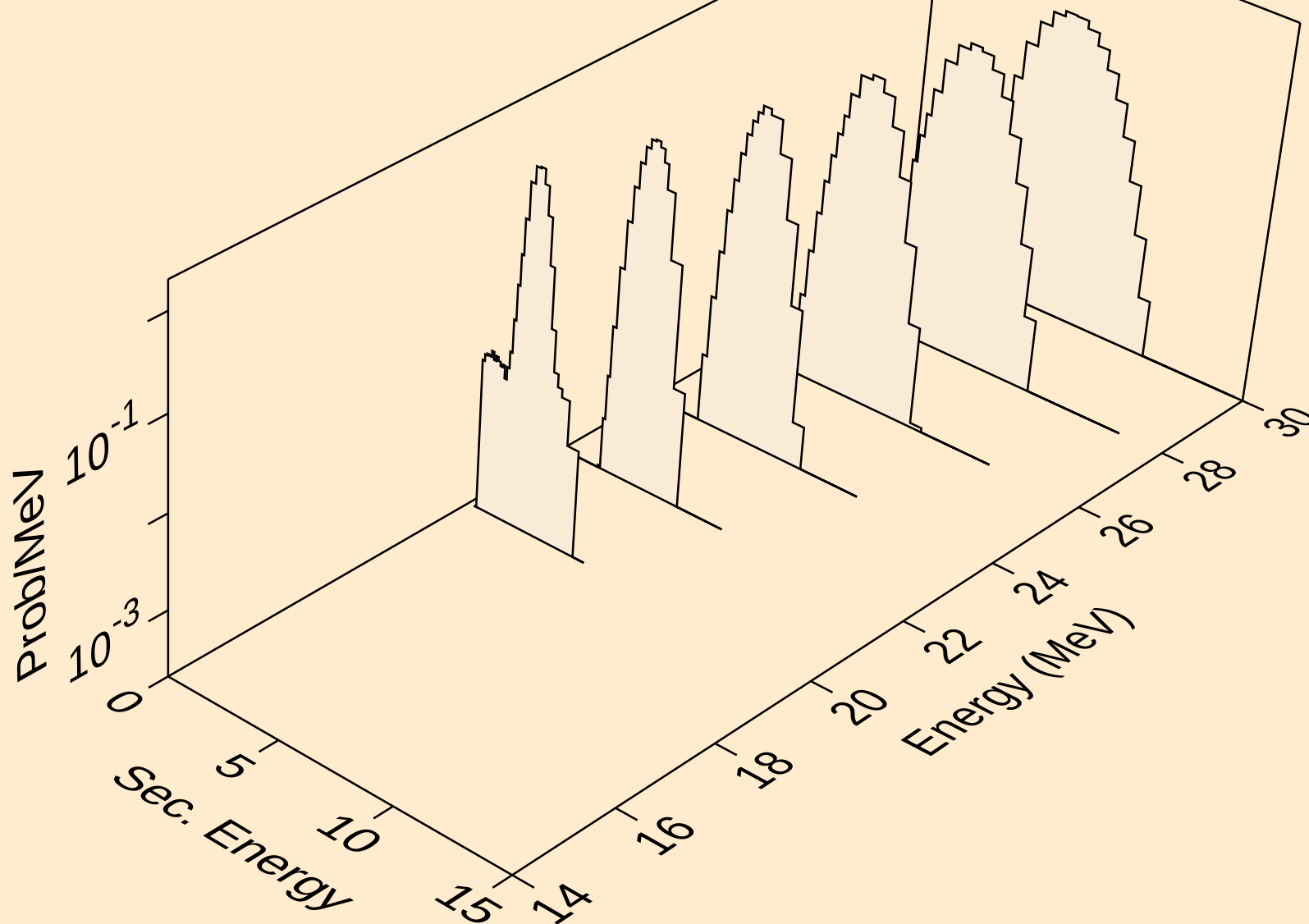
Proton emission for  $(p,n^*)p$



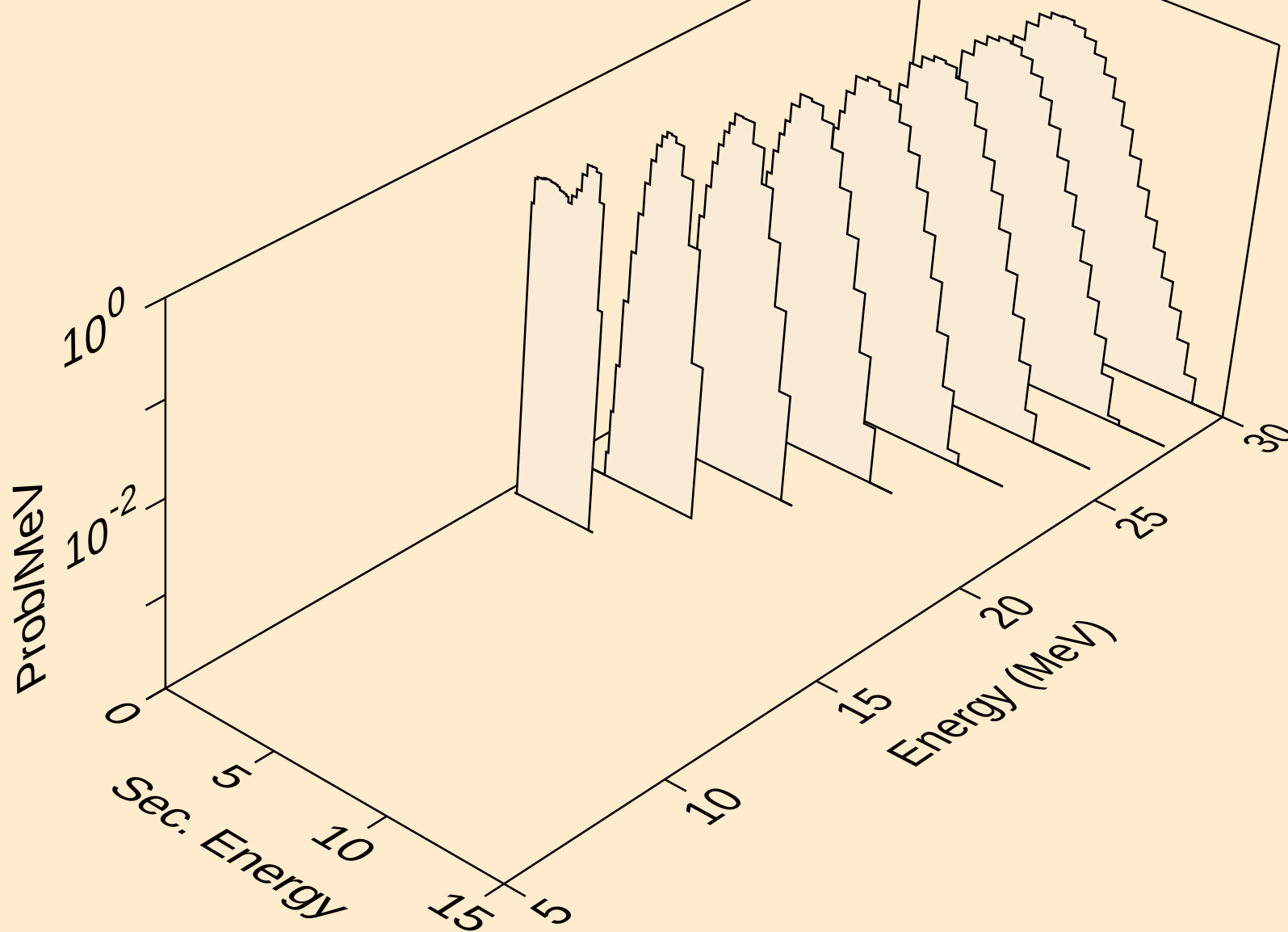
HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,2np)



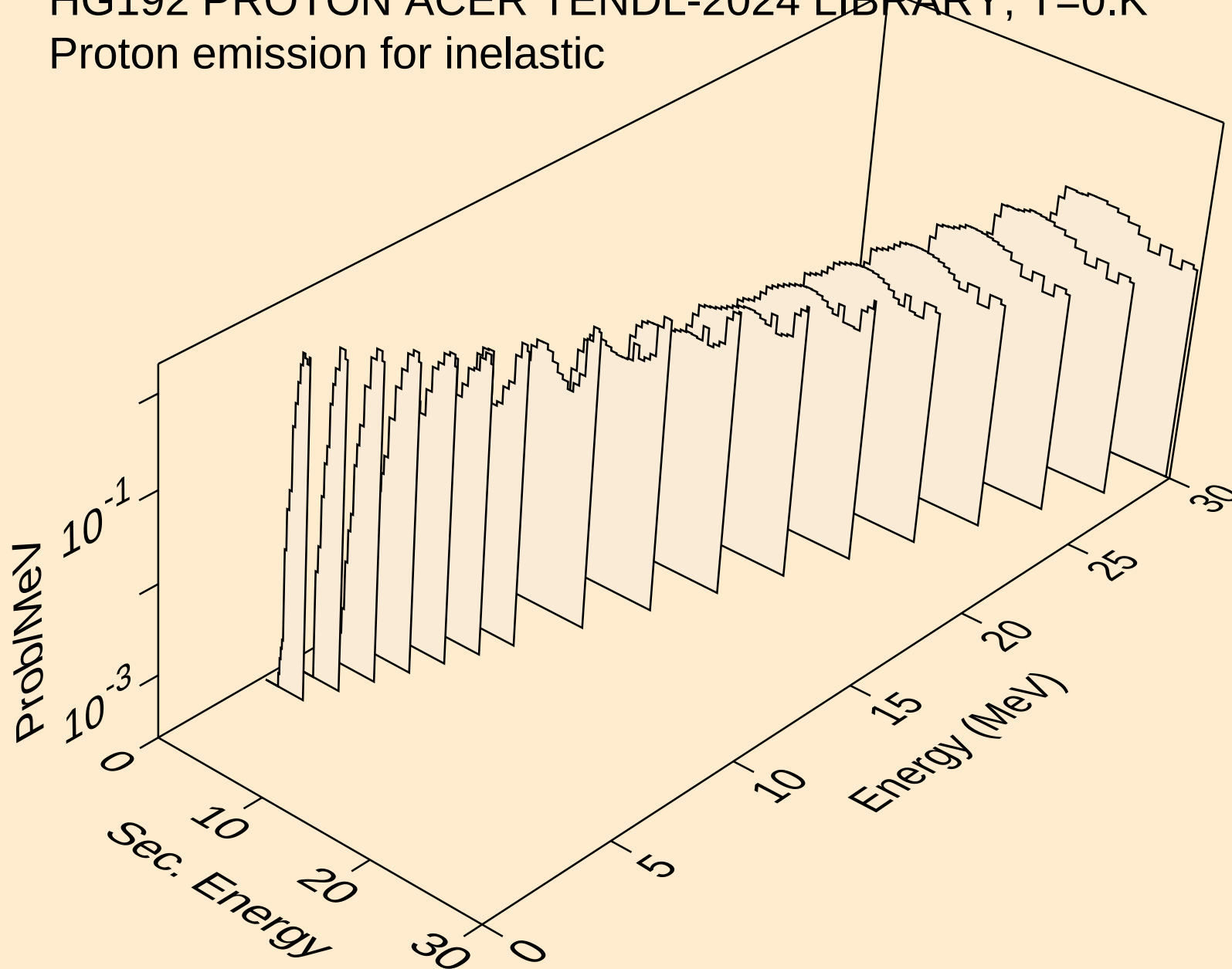
HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,n2p)



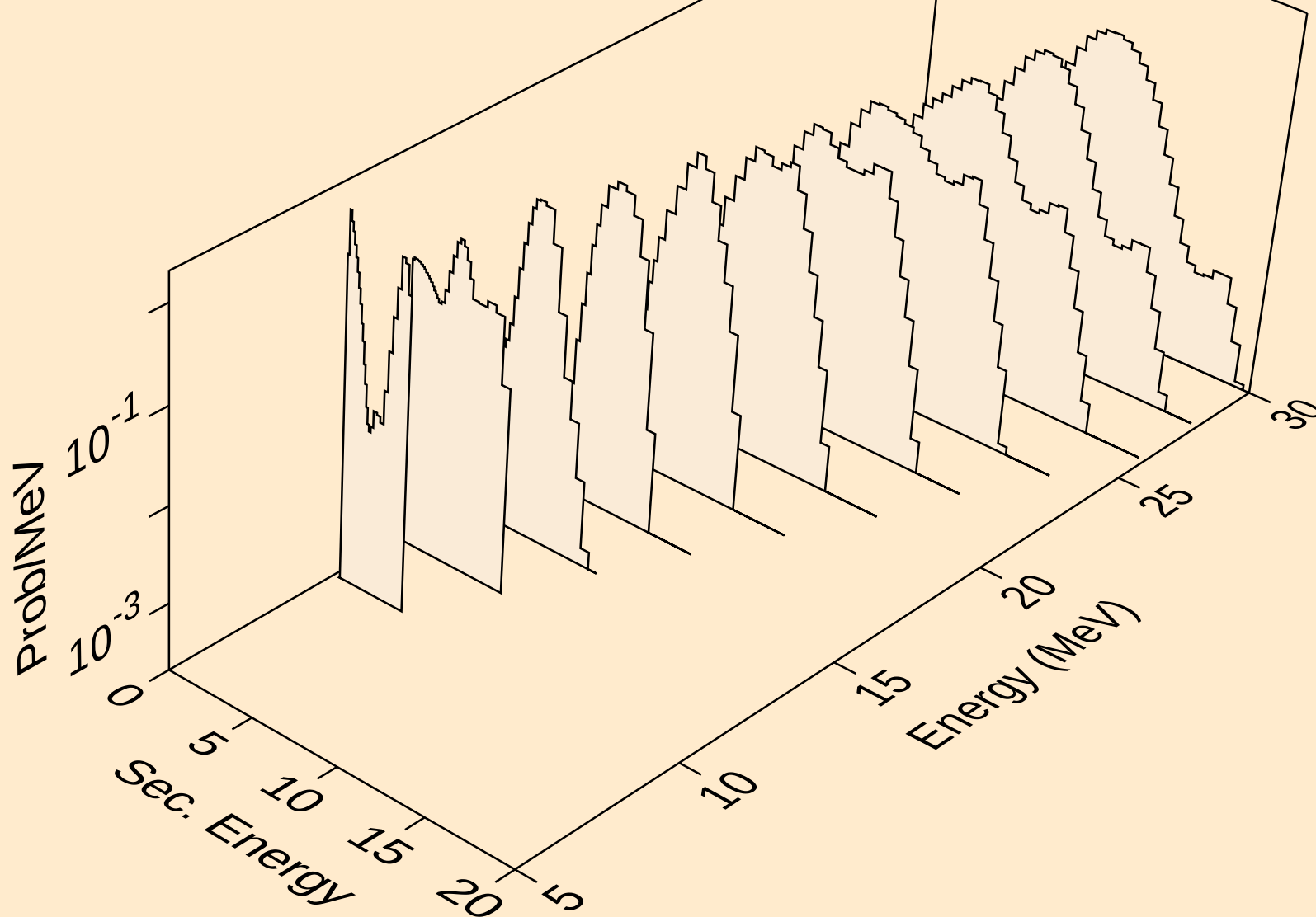
HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,npa)



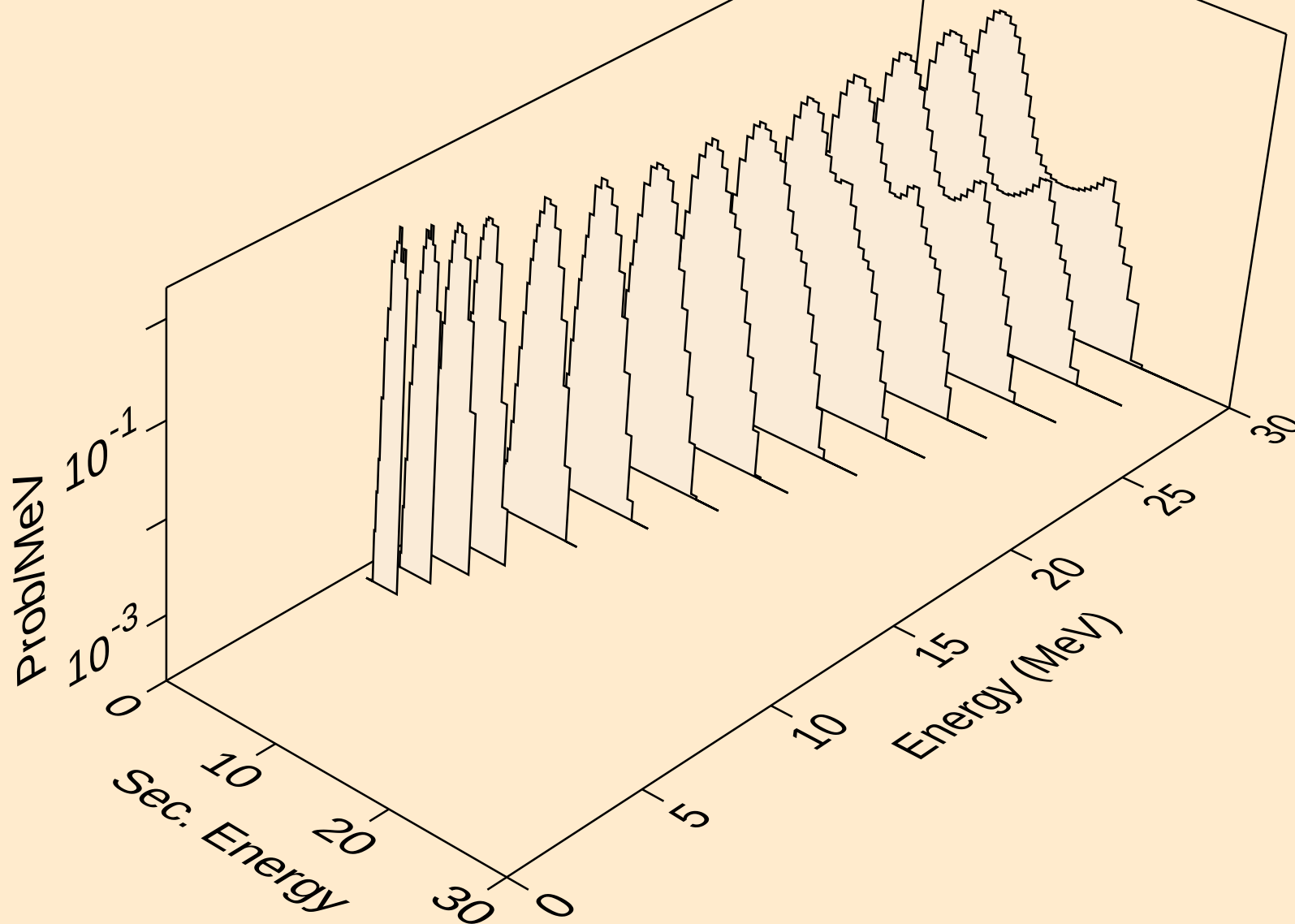
HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for inelastic



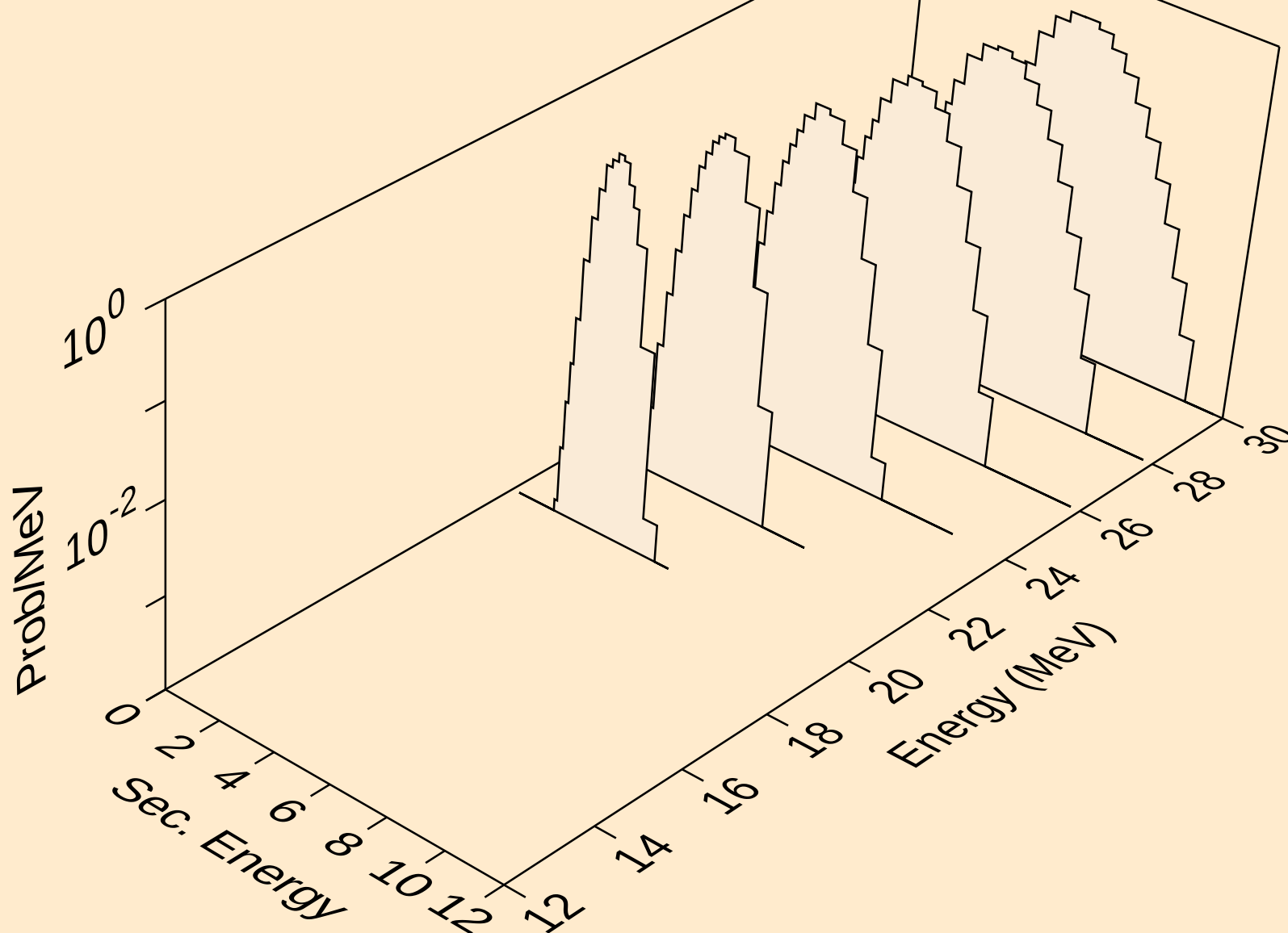
HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,2p)



HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,pa)

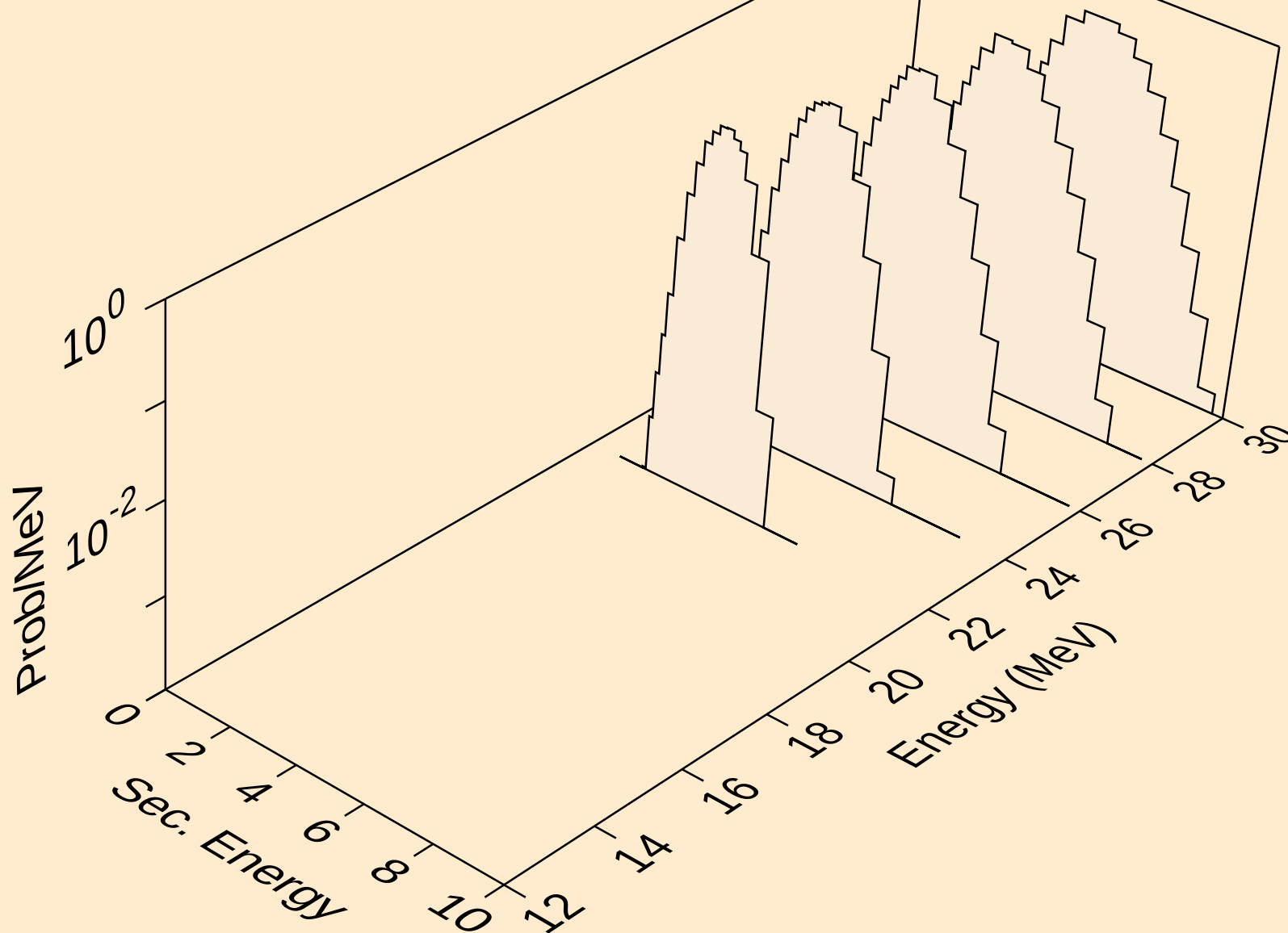


HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,pd)

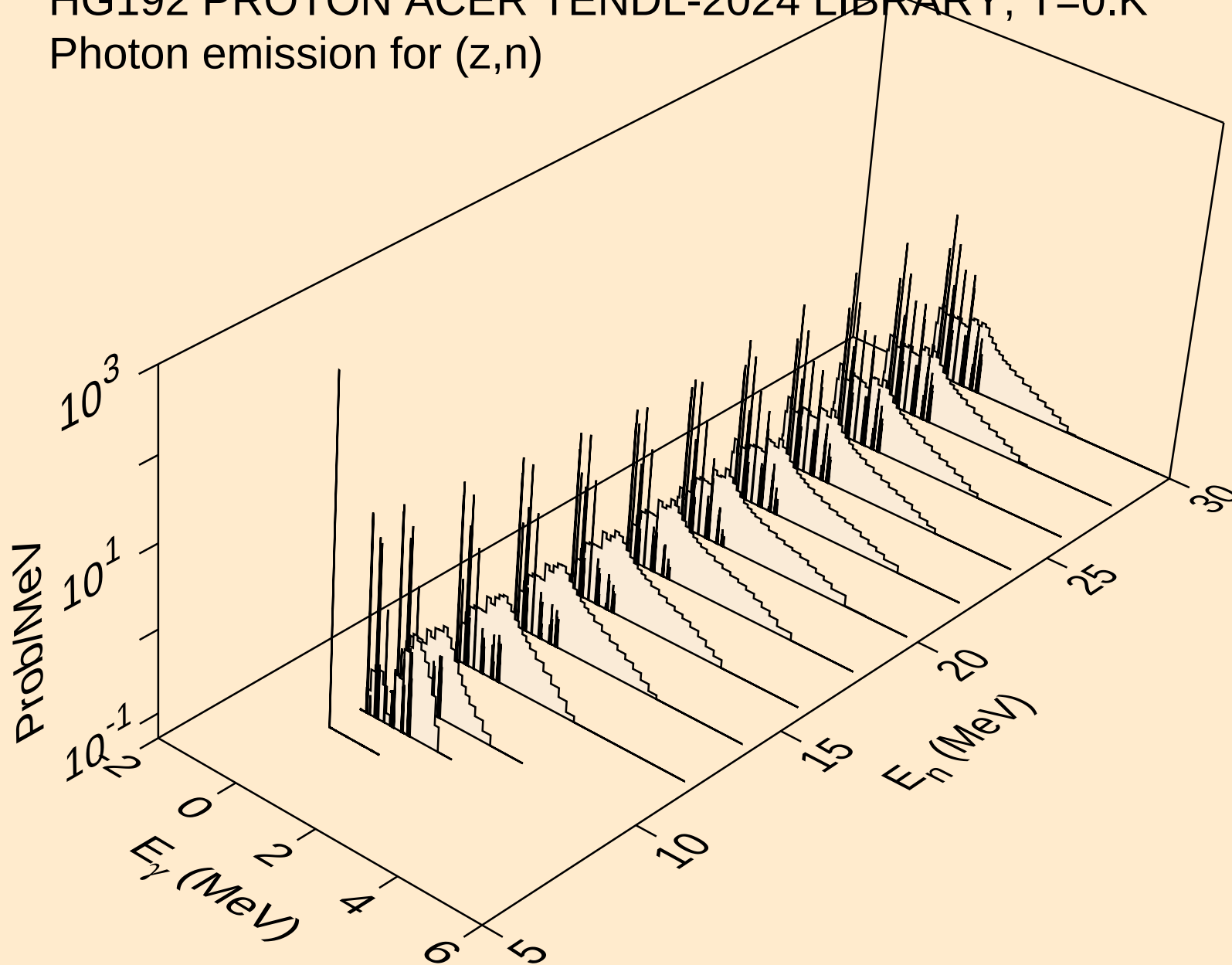


HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Proton emission for (p,pt)

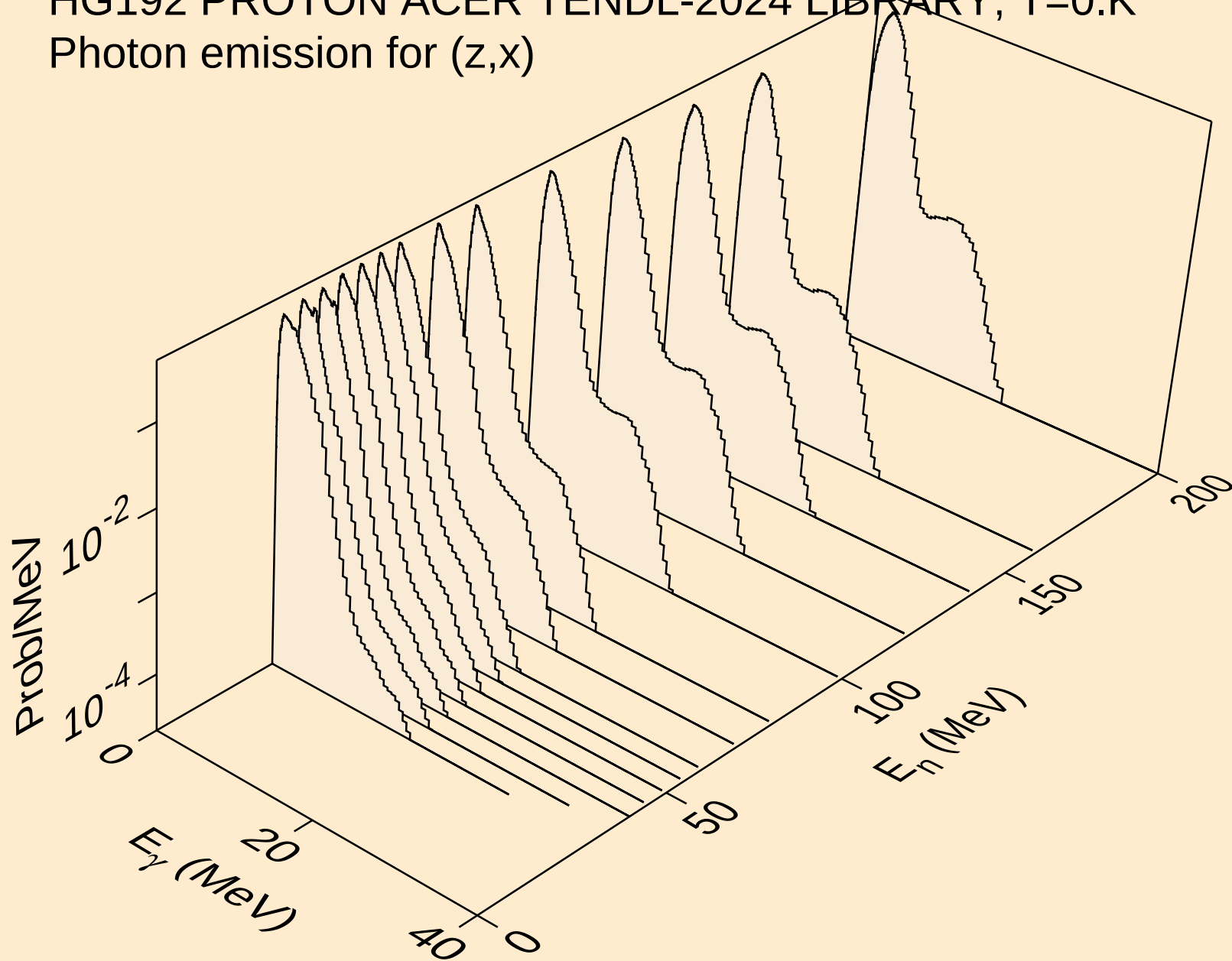


HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,n)

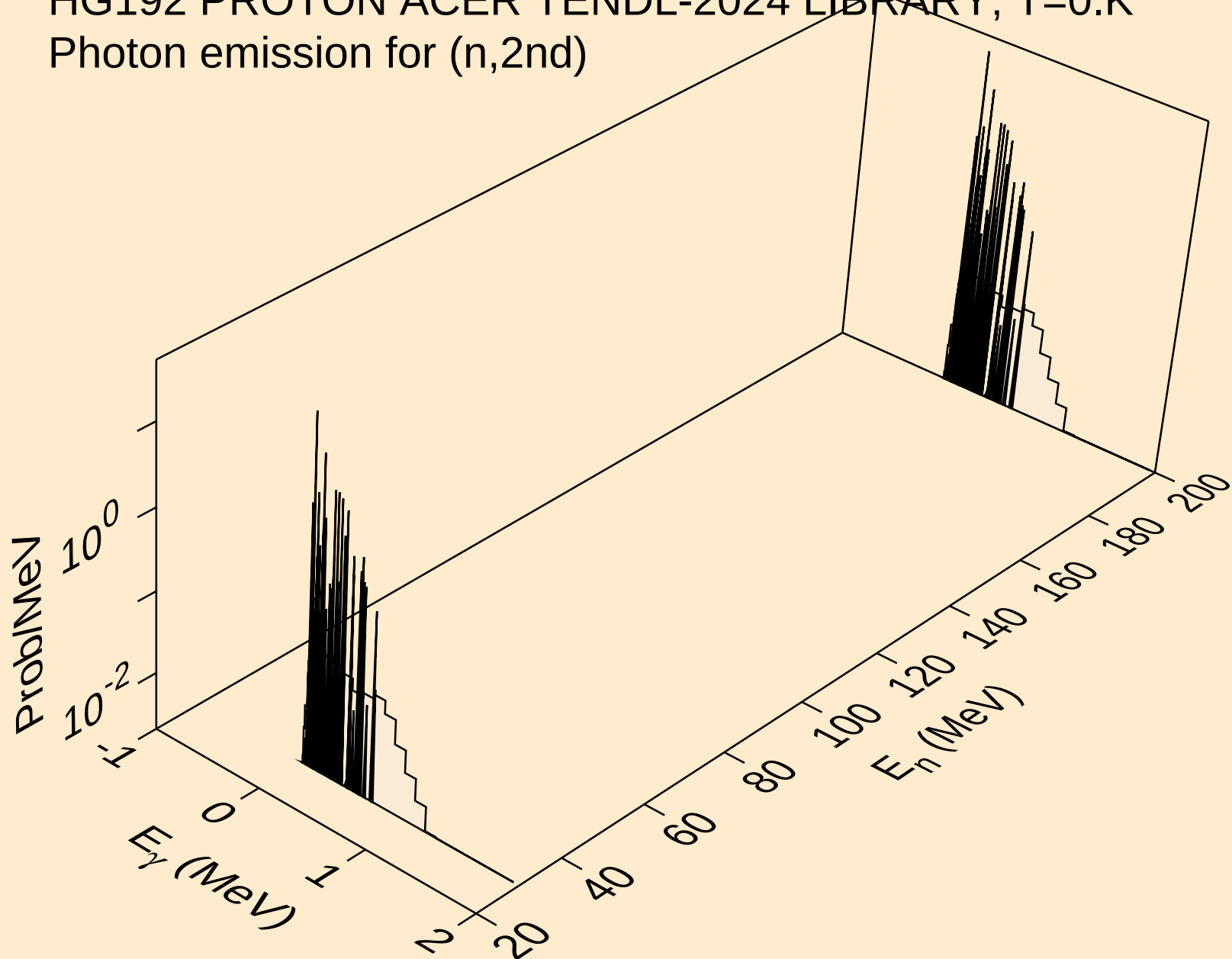


HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K

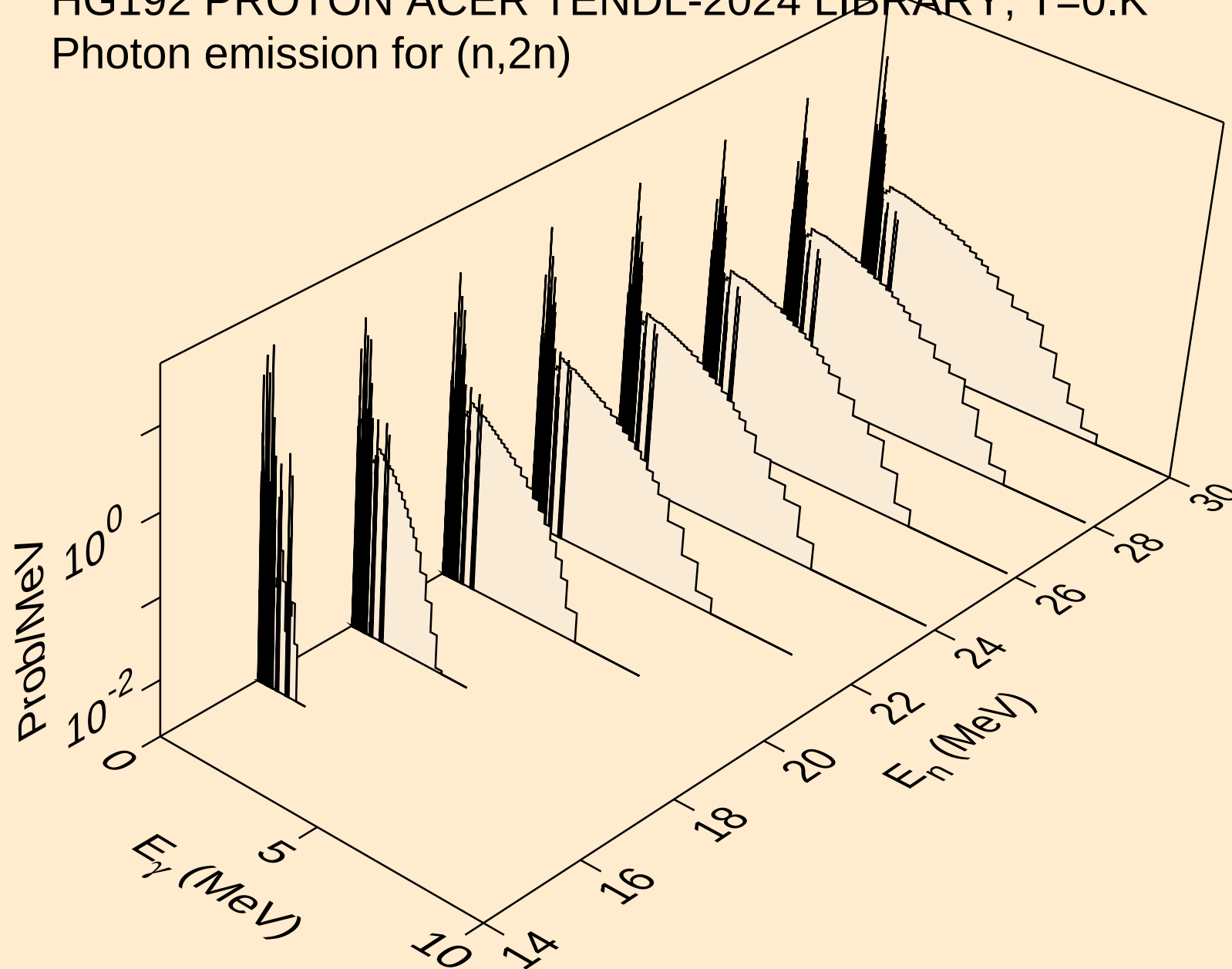
Photon emission for (z,x)



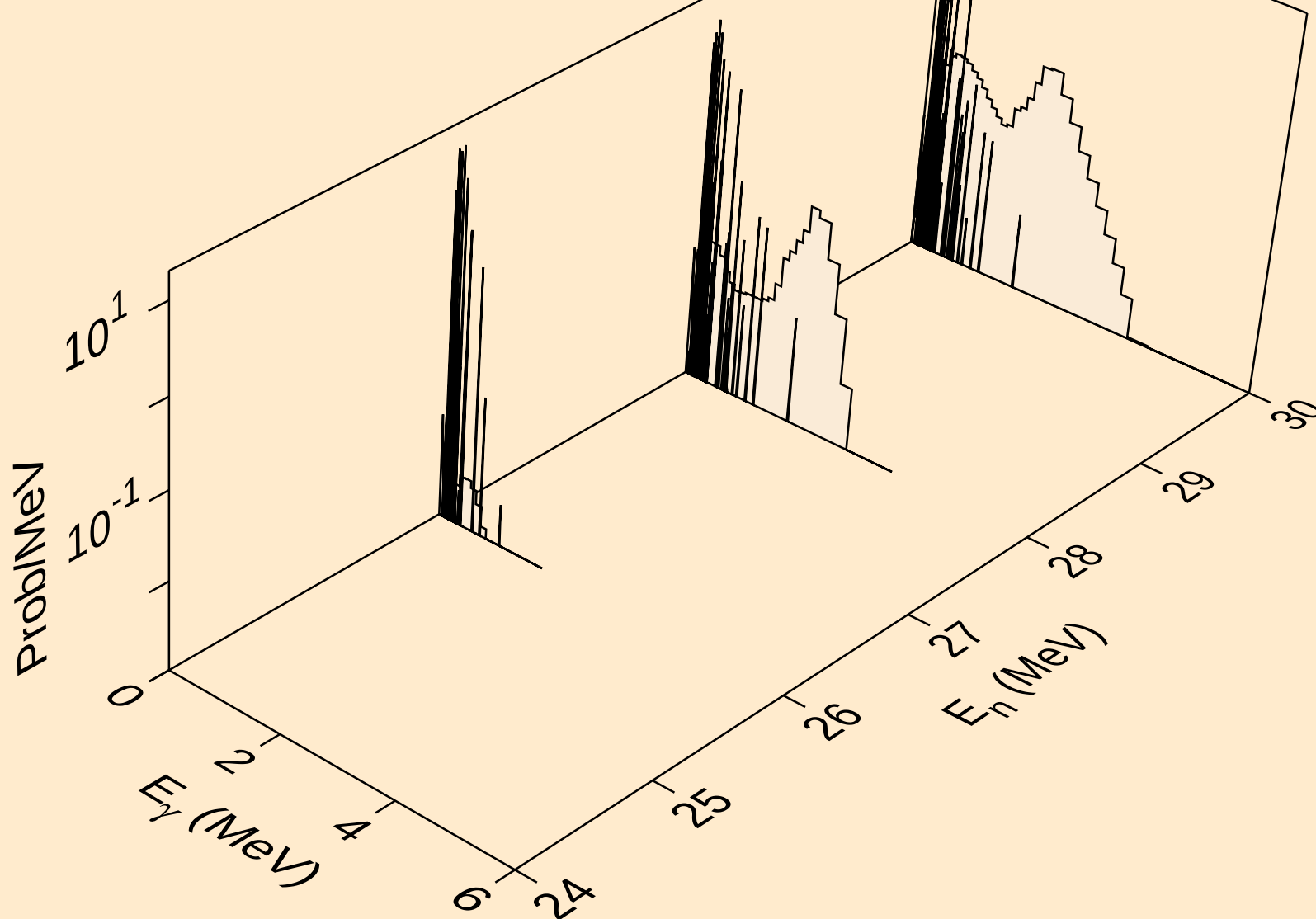
HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



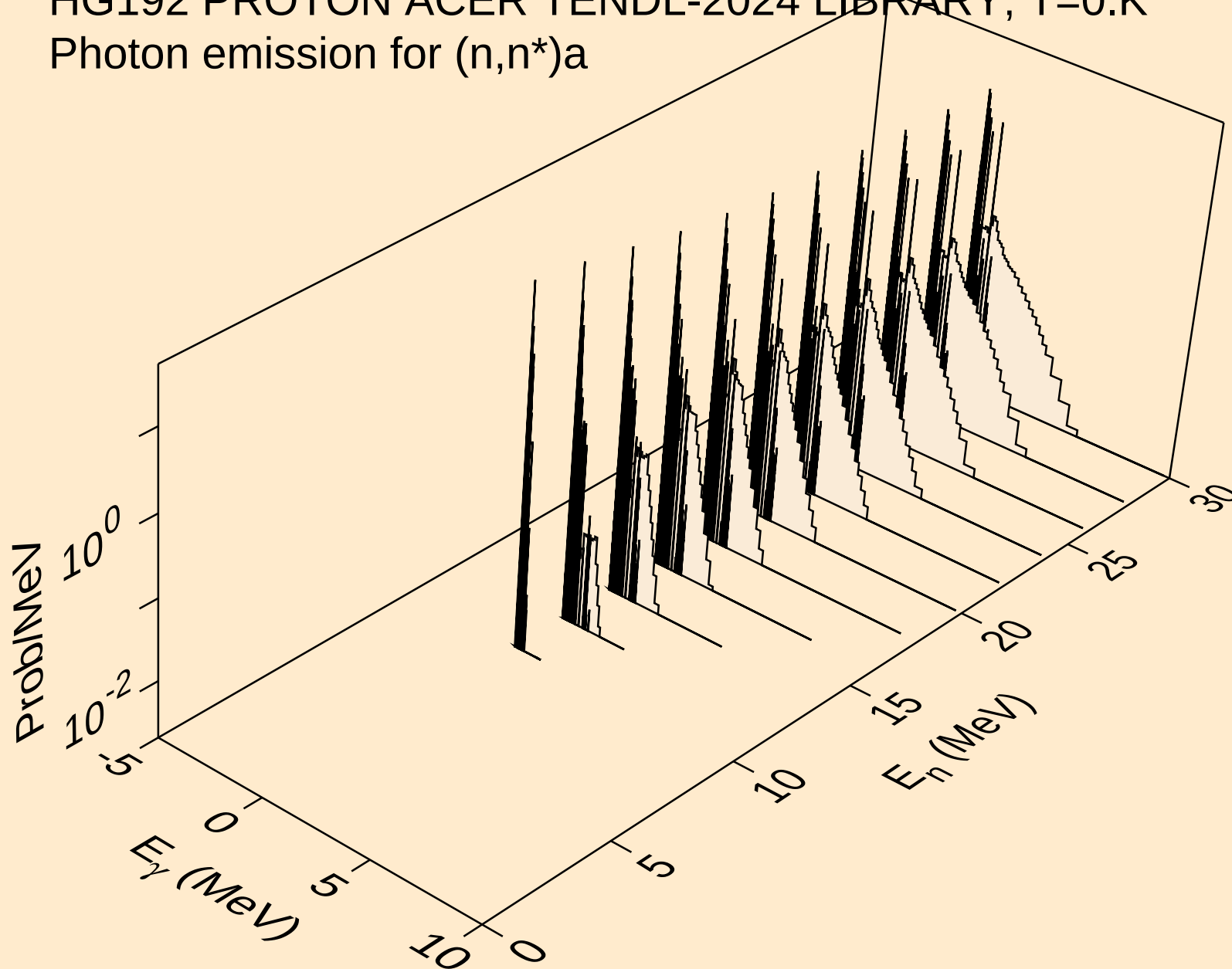
HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)

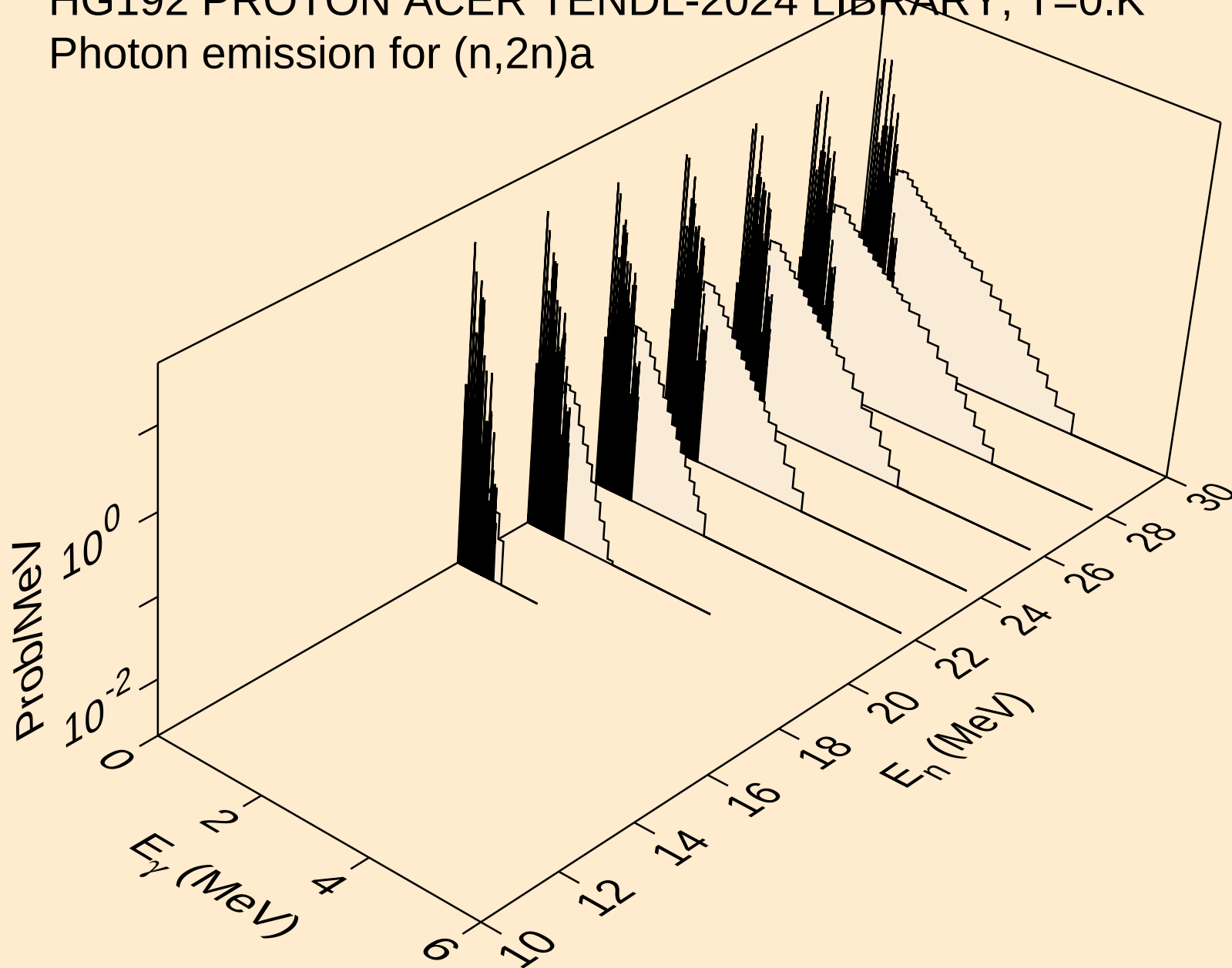


HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

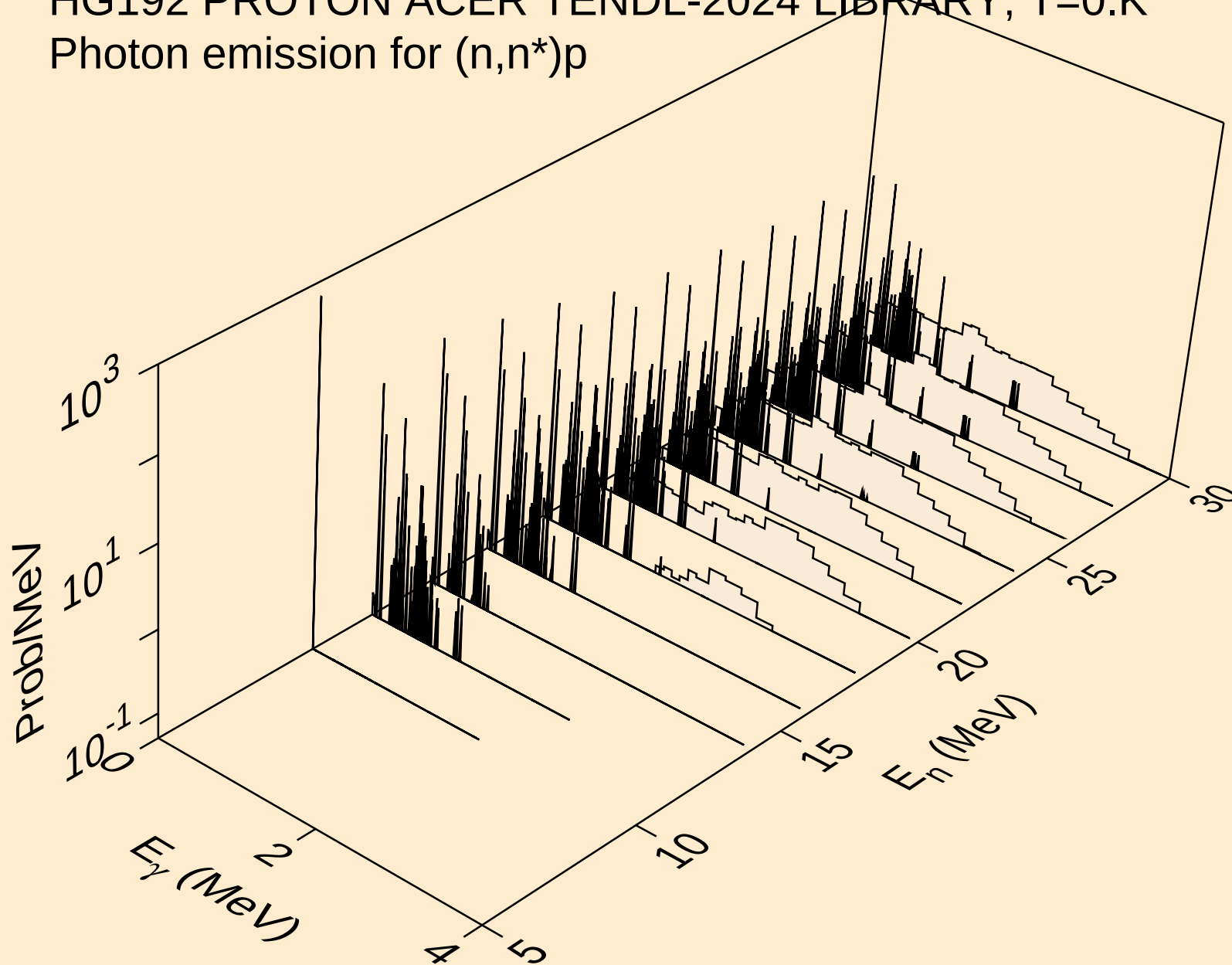


HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K

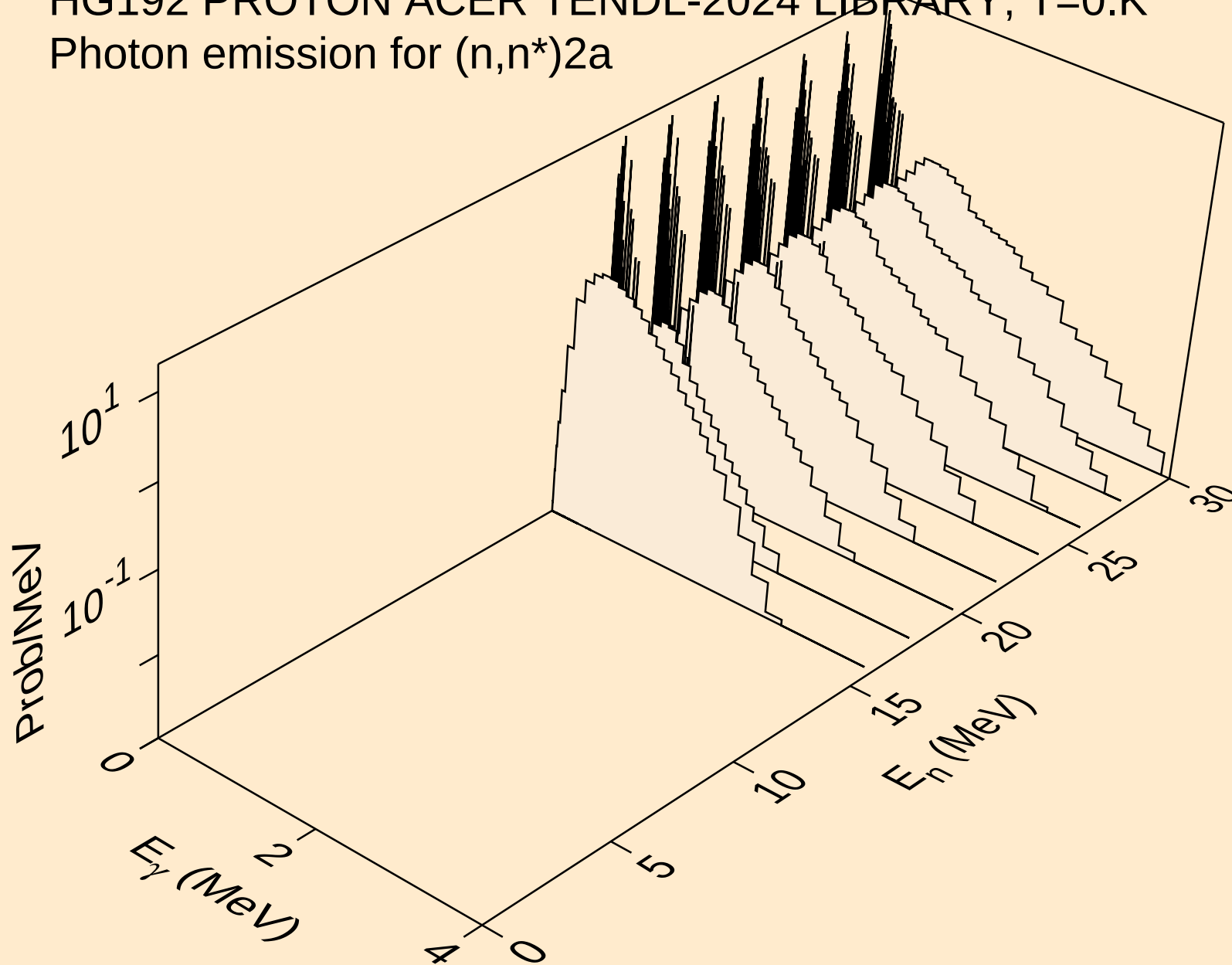
Photon emission for (n,2n) $\alpha$



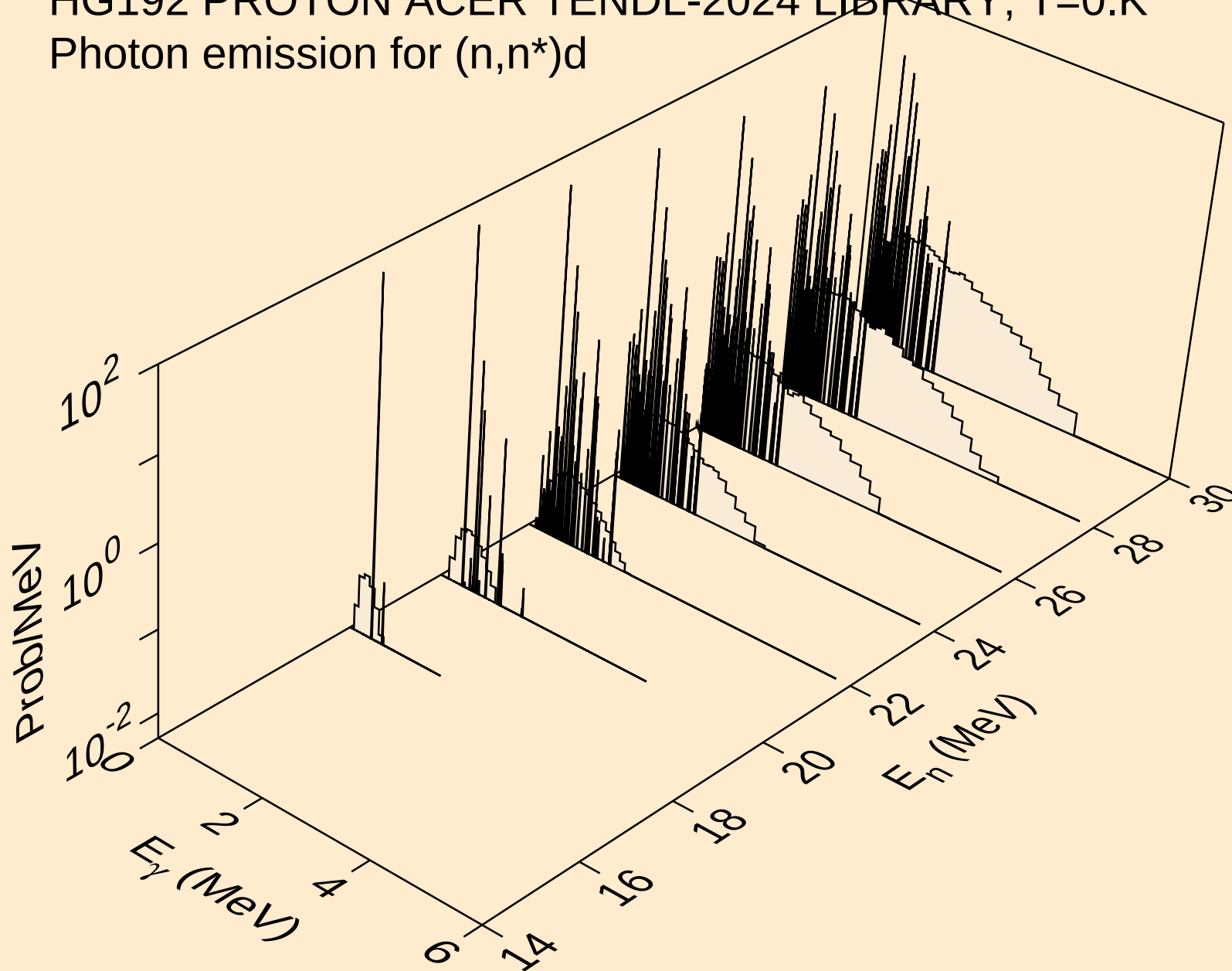
HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

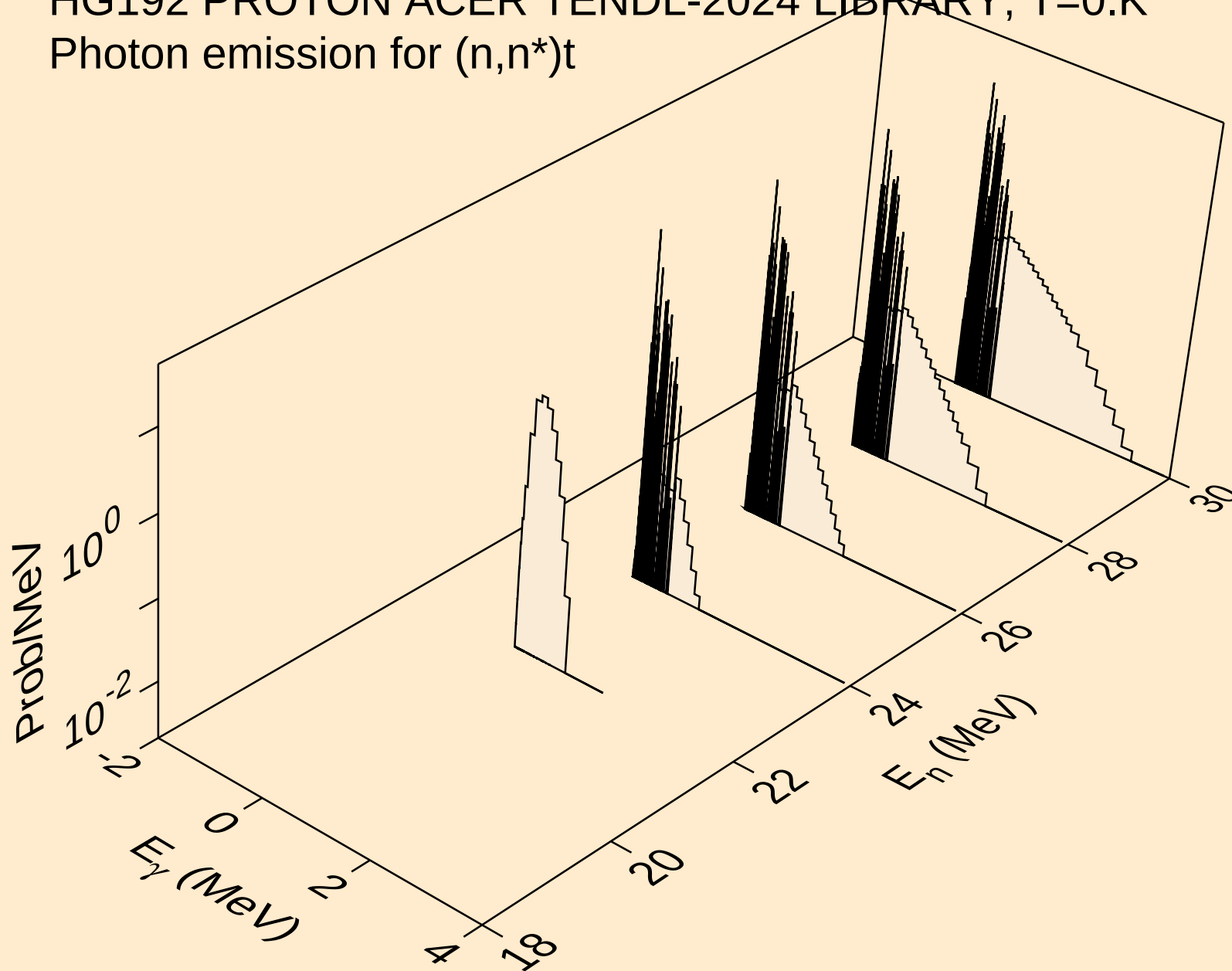


HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

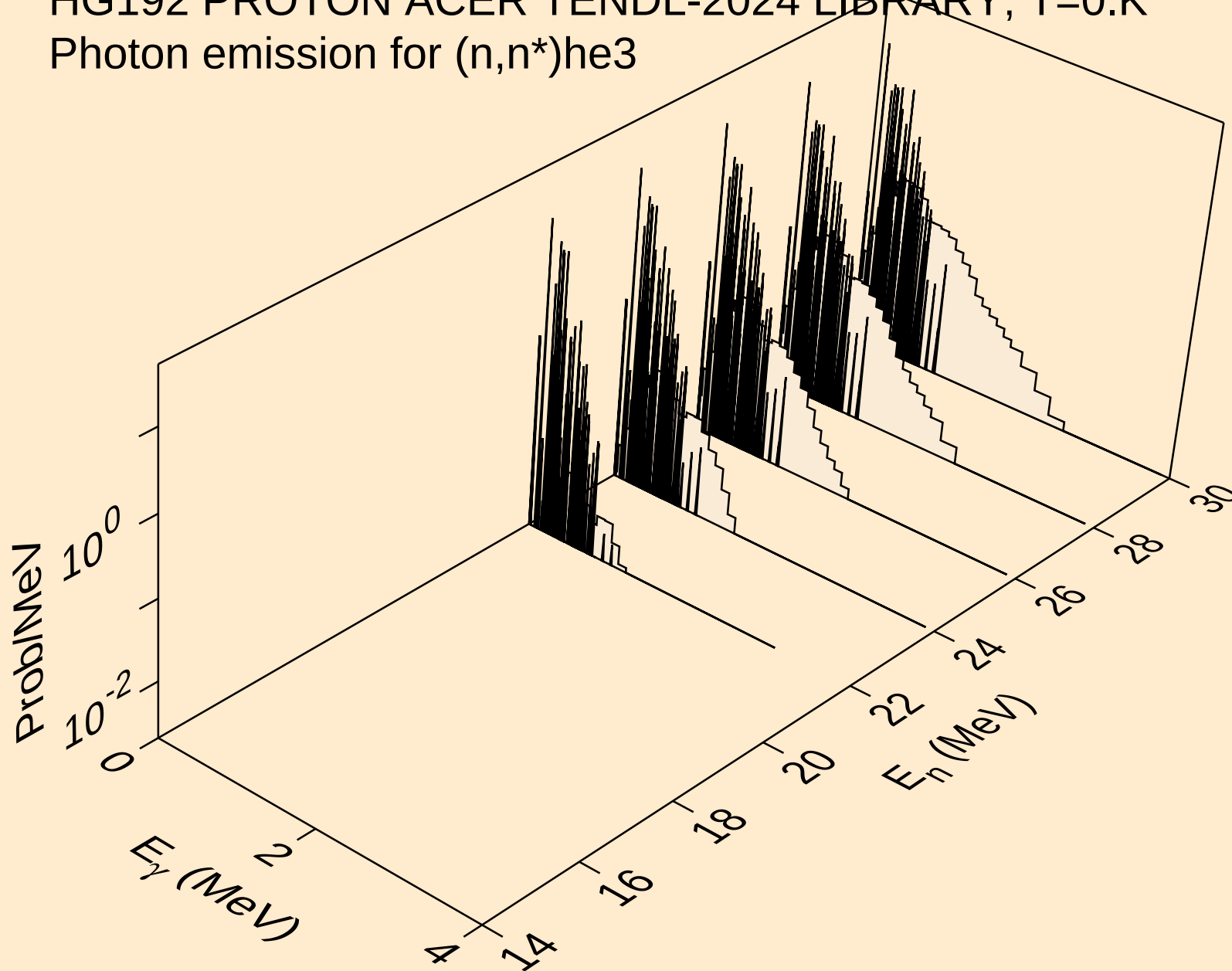


HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K

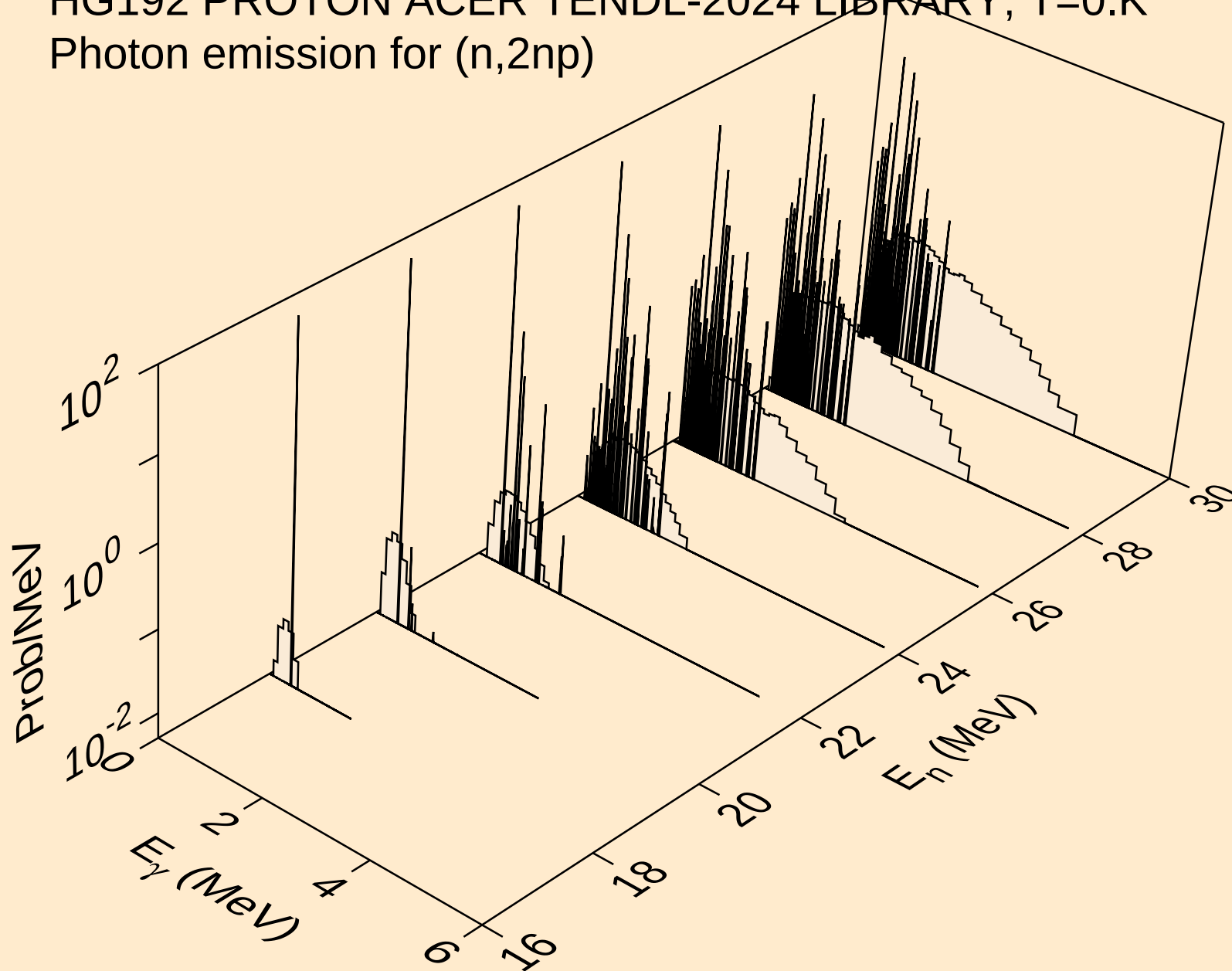
Photon emission for (n,n\*)t



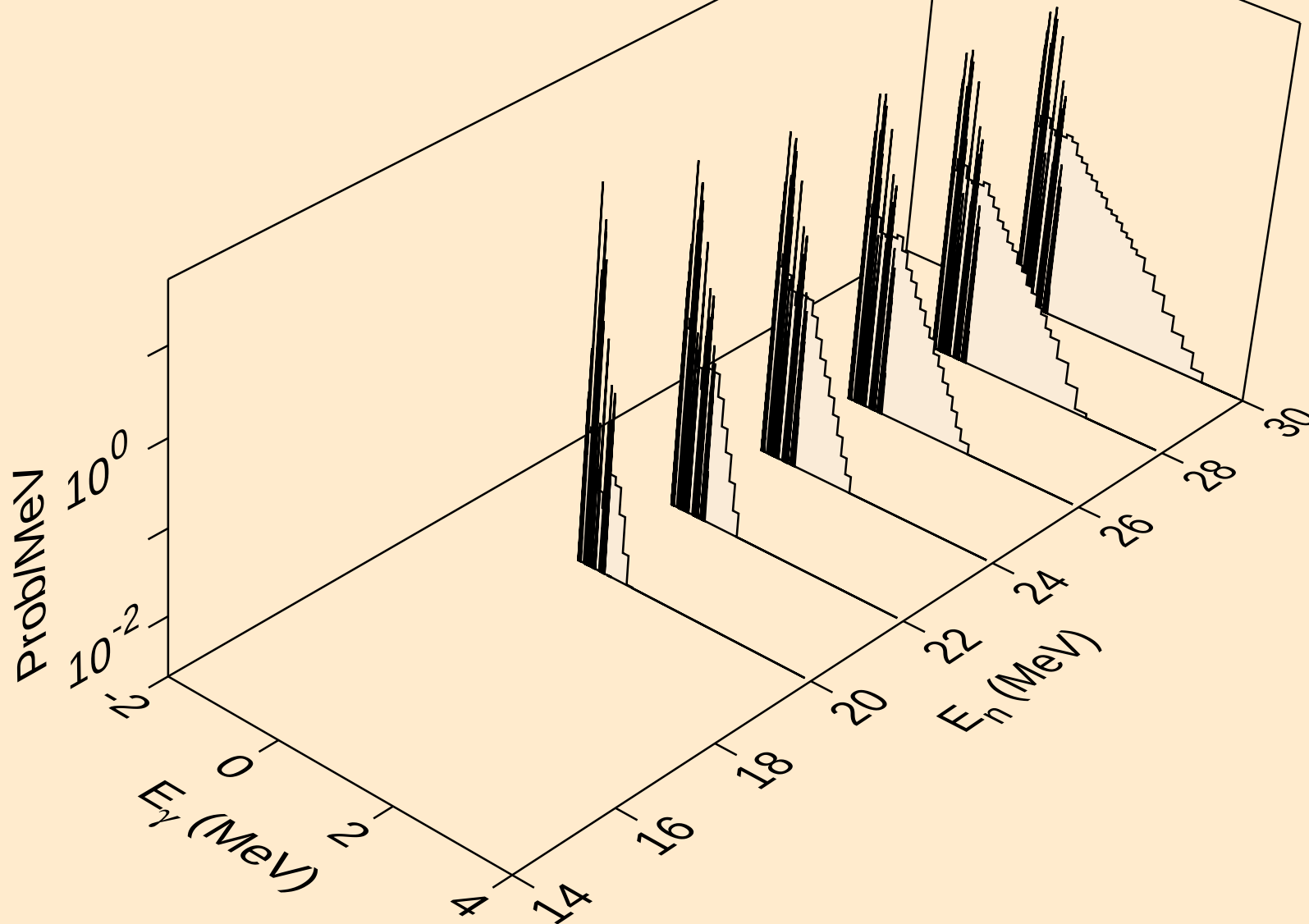
HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



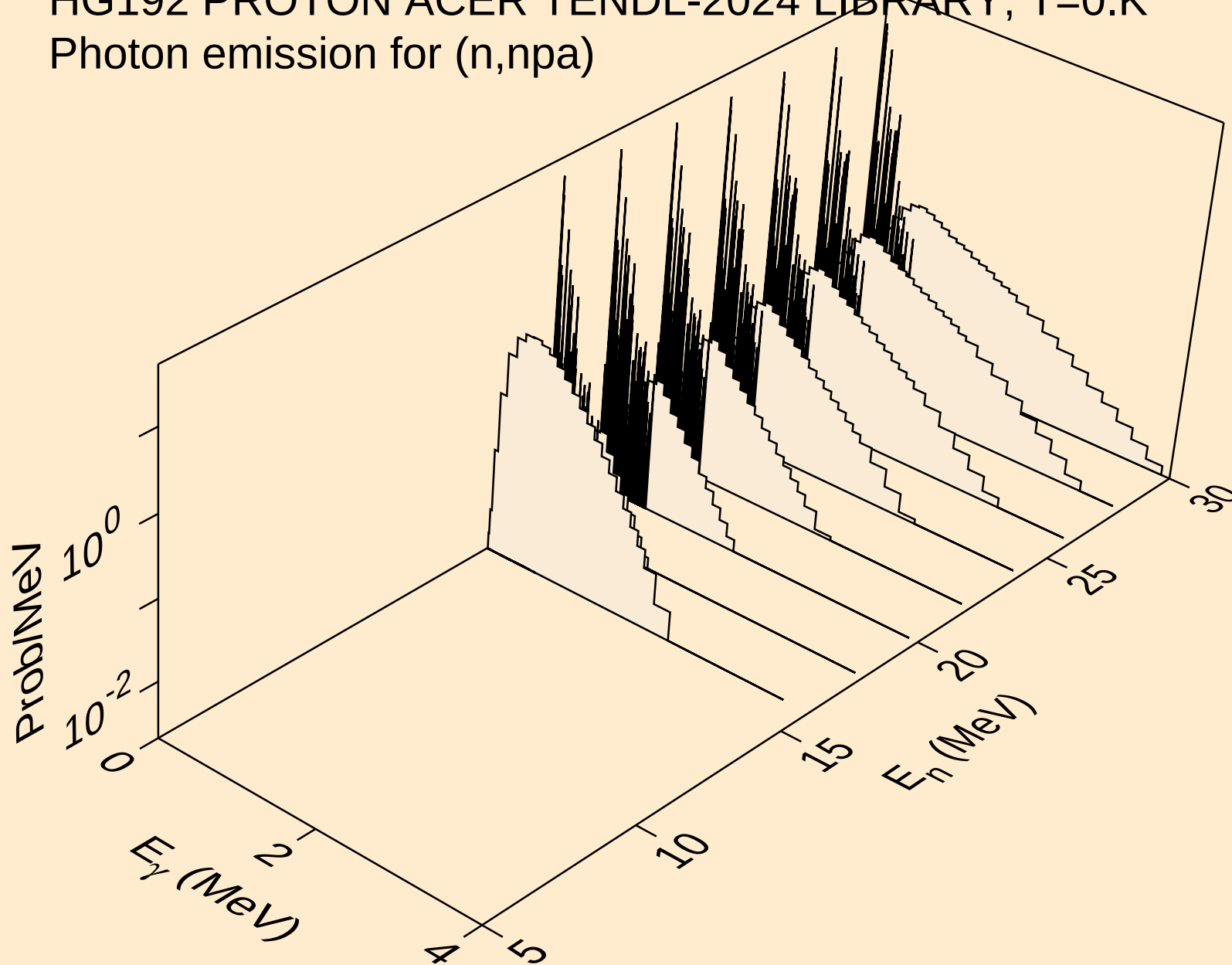
HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



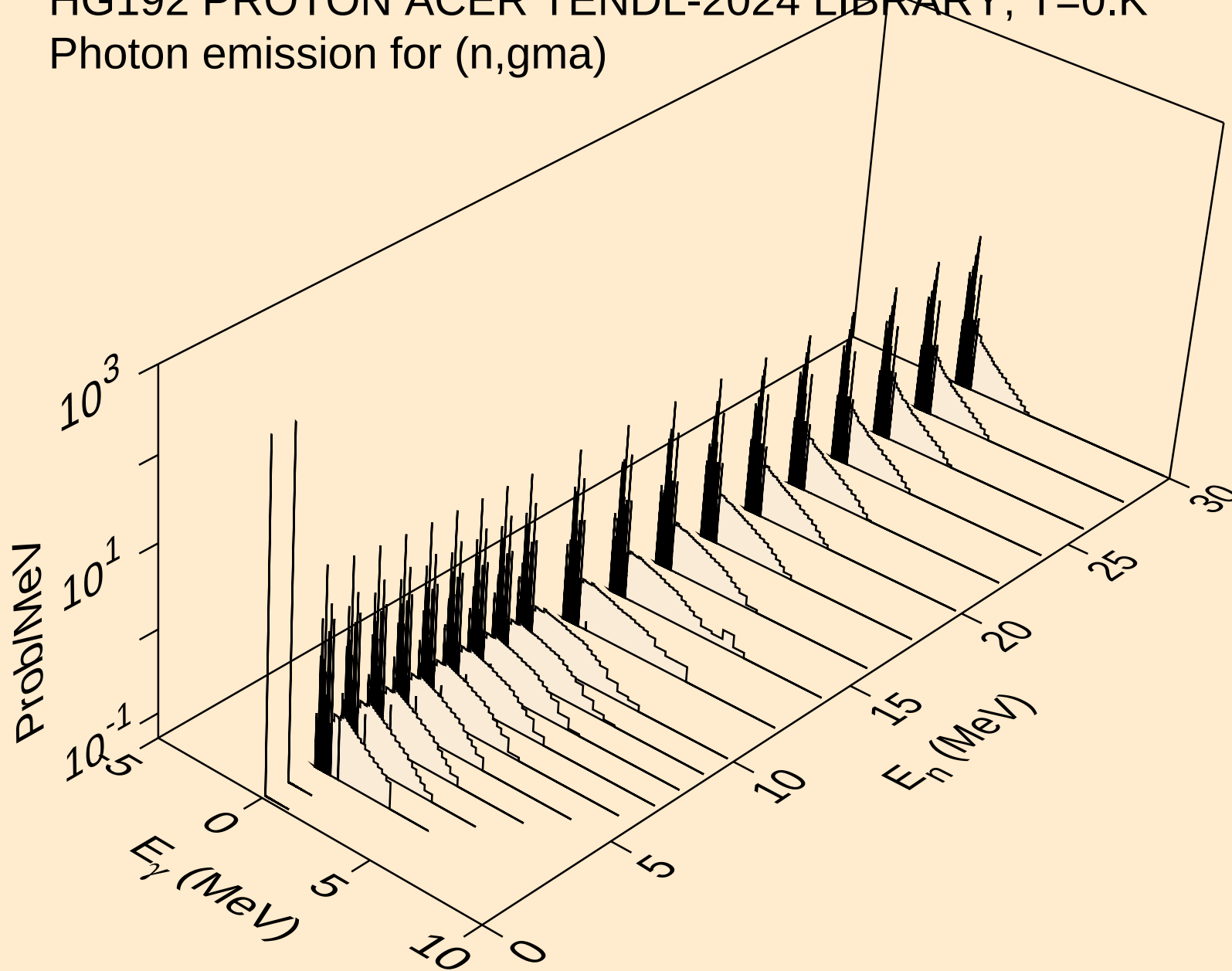
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Photon emission for (n,n2p)



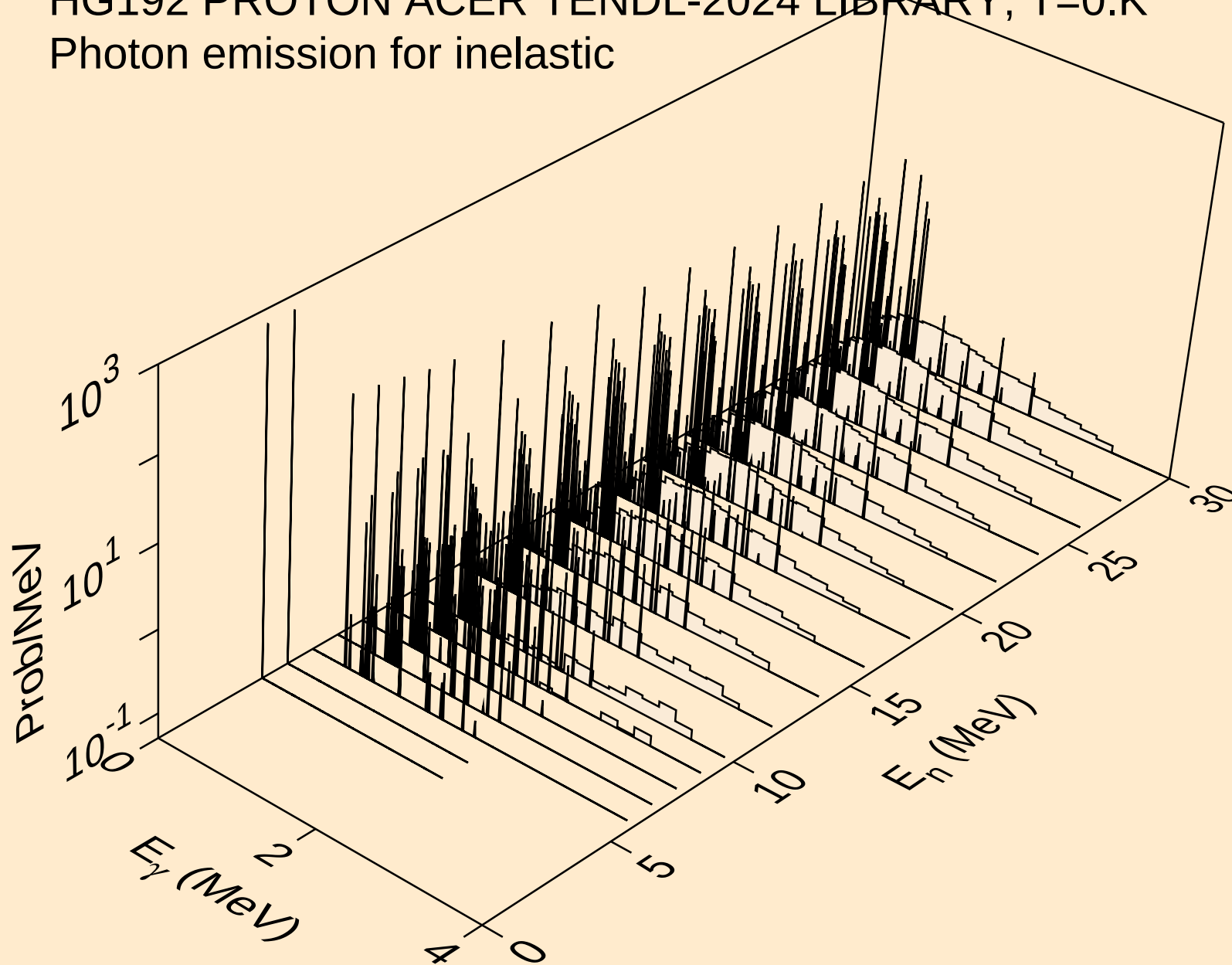
HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



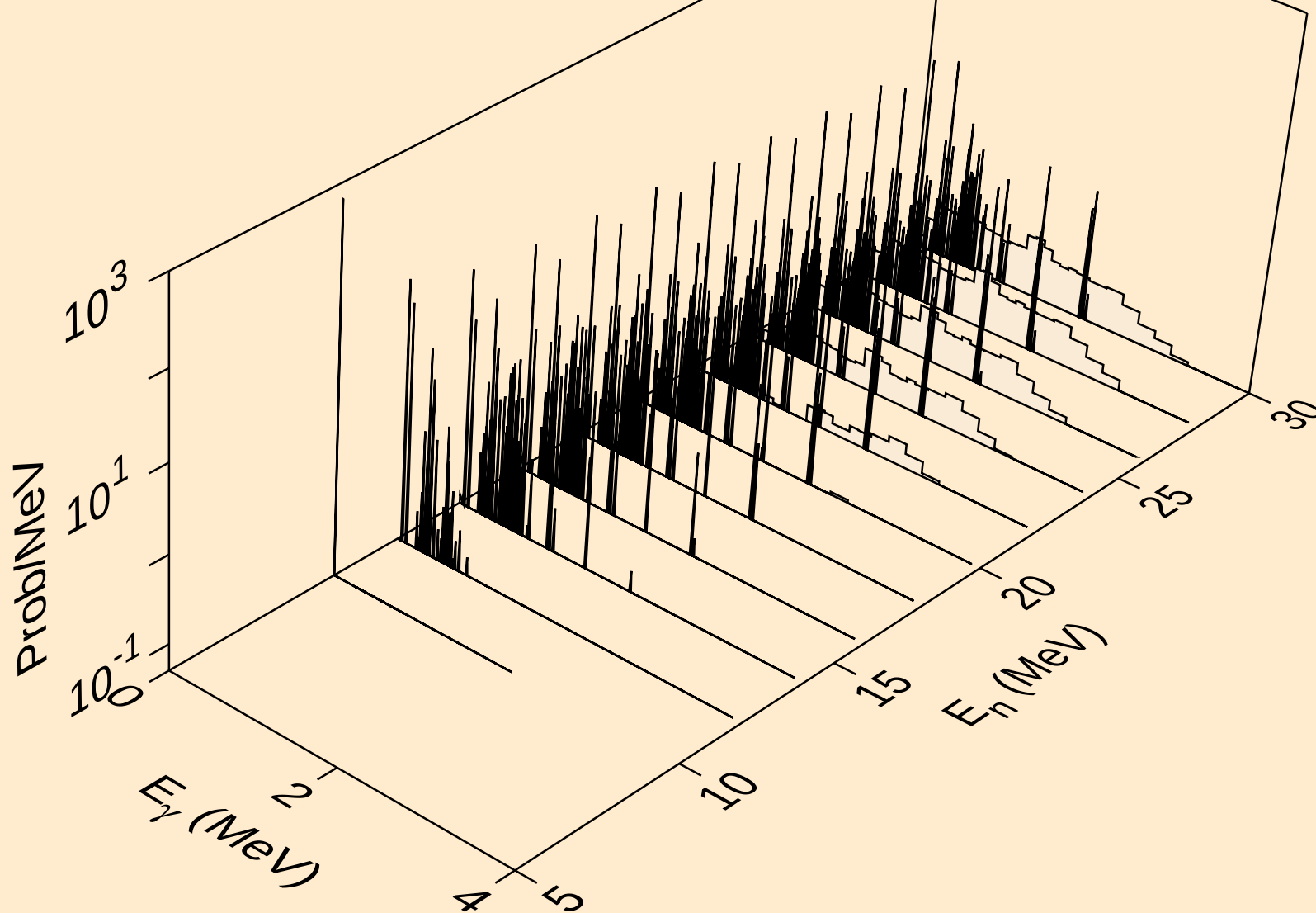
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Photon emission for (n,gma)



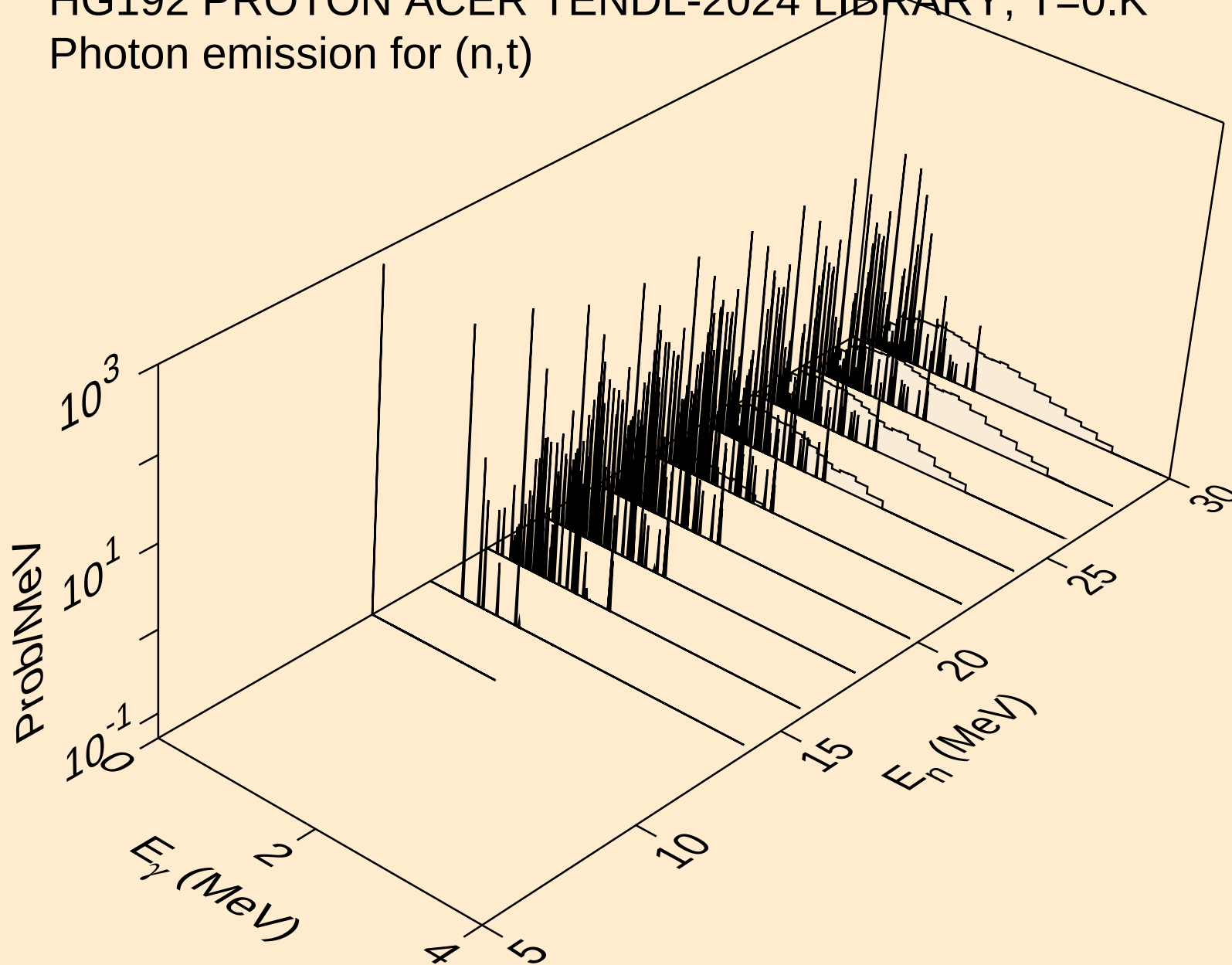
HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for inelastic



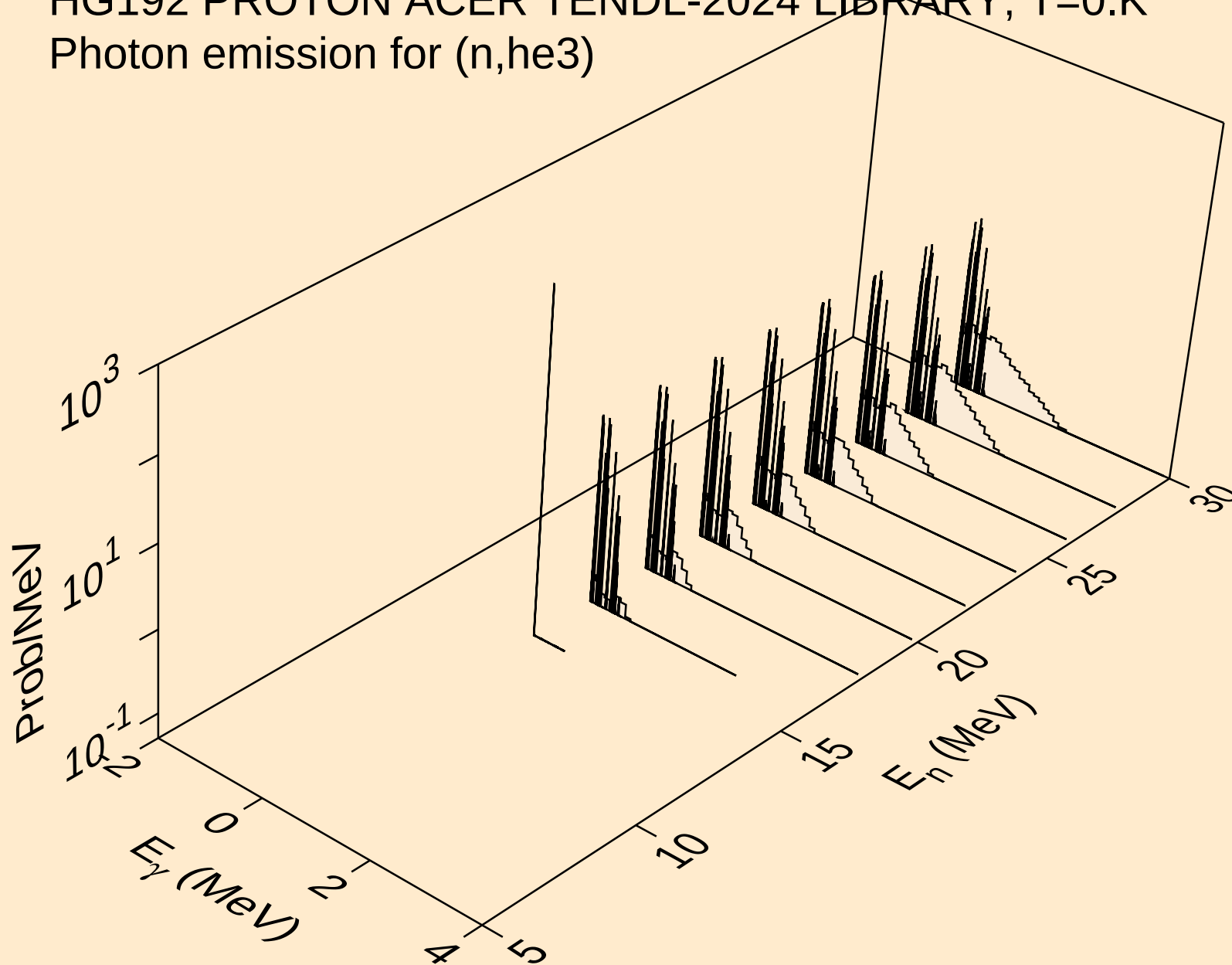
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Photon emission for (n,d)



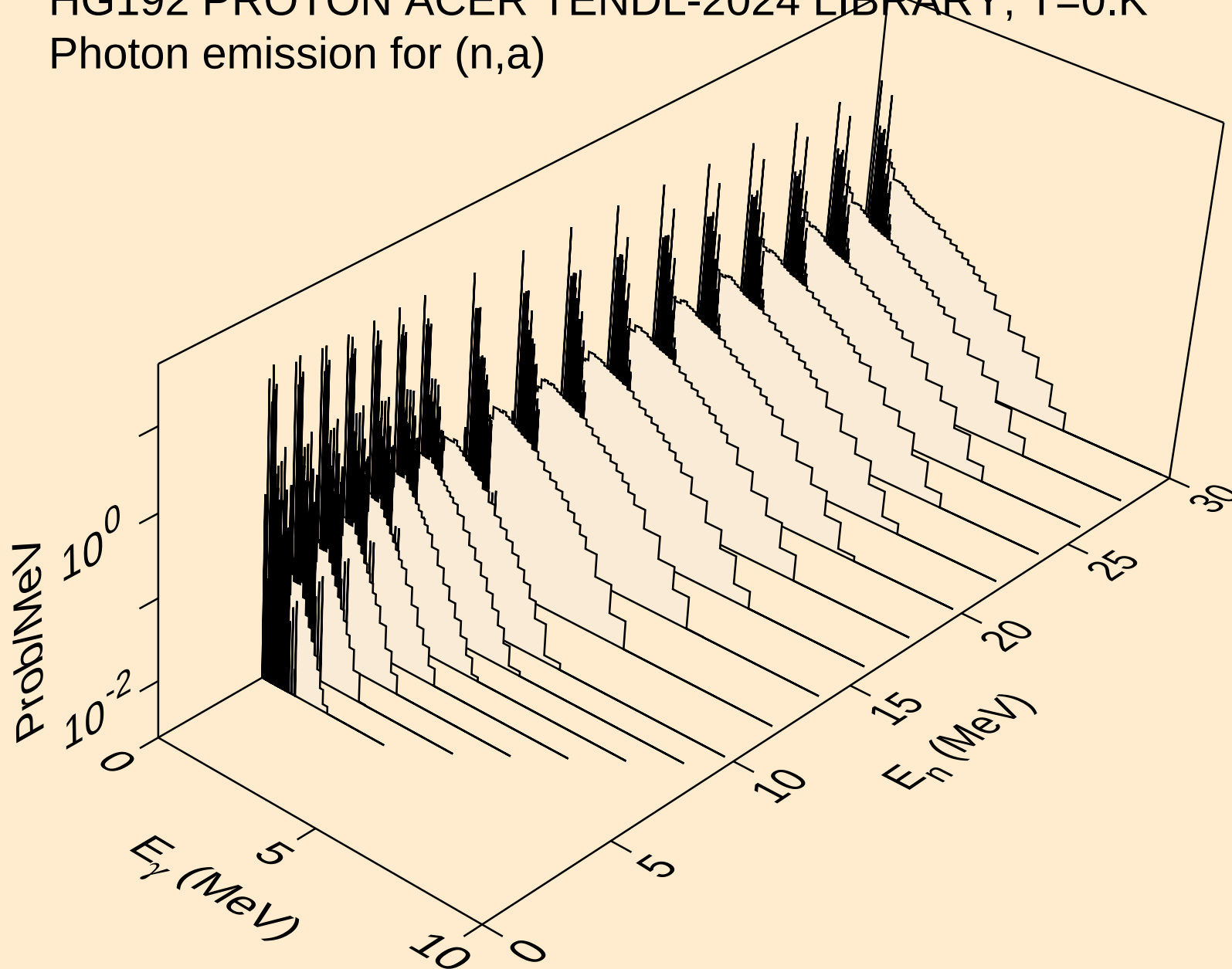
HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



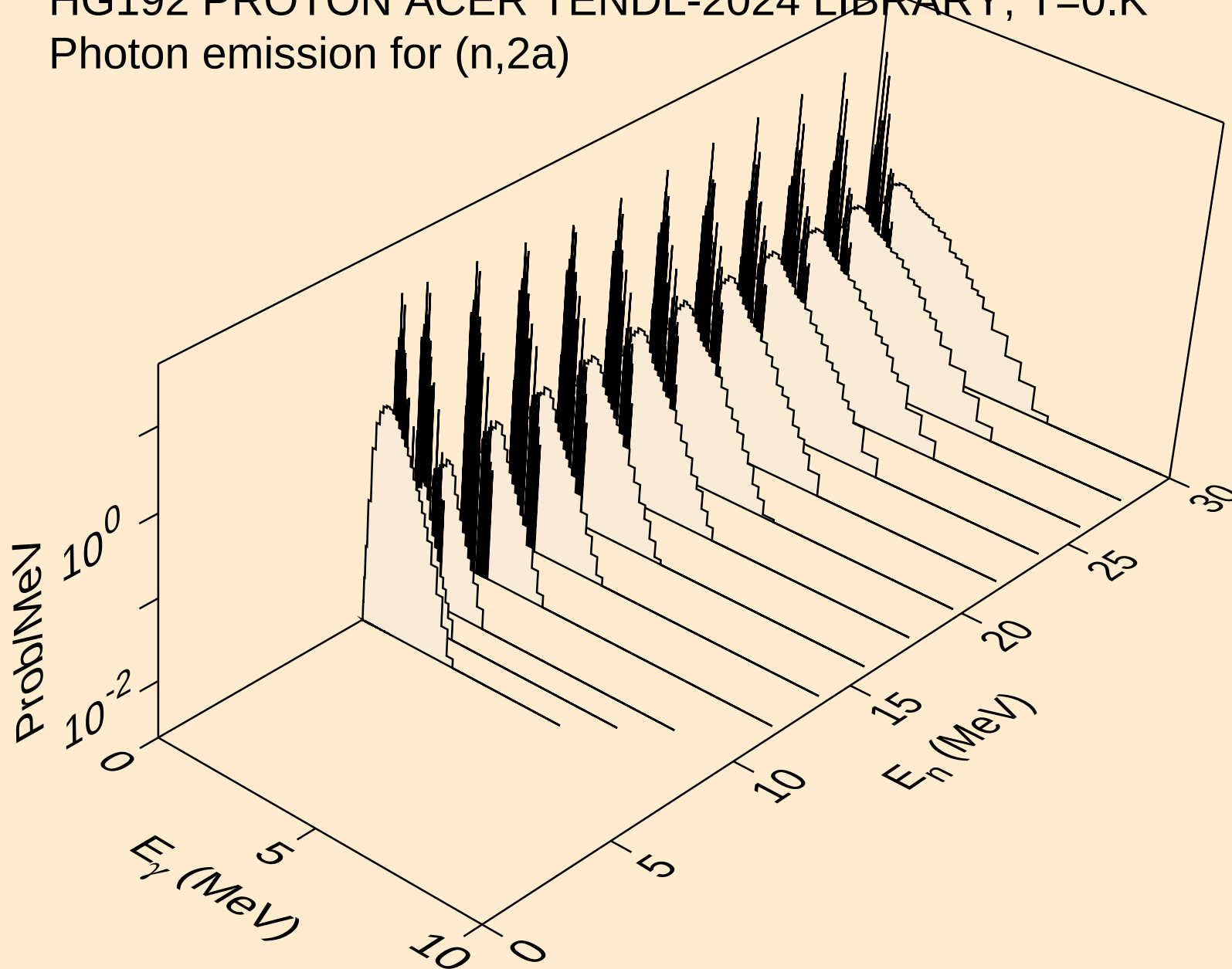
HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



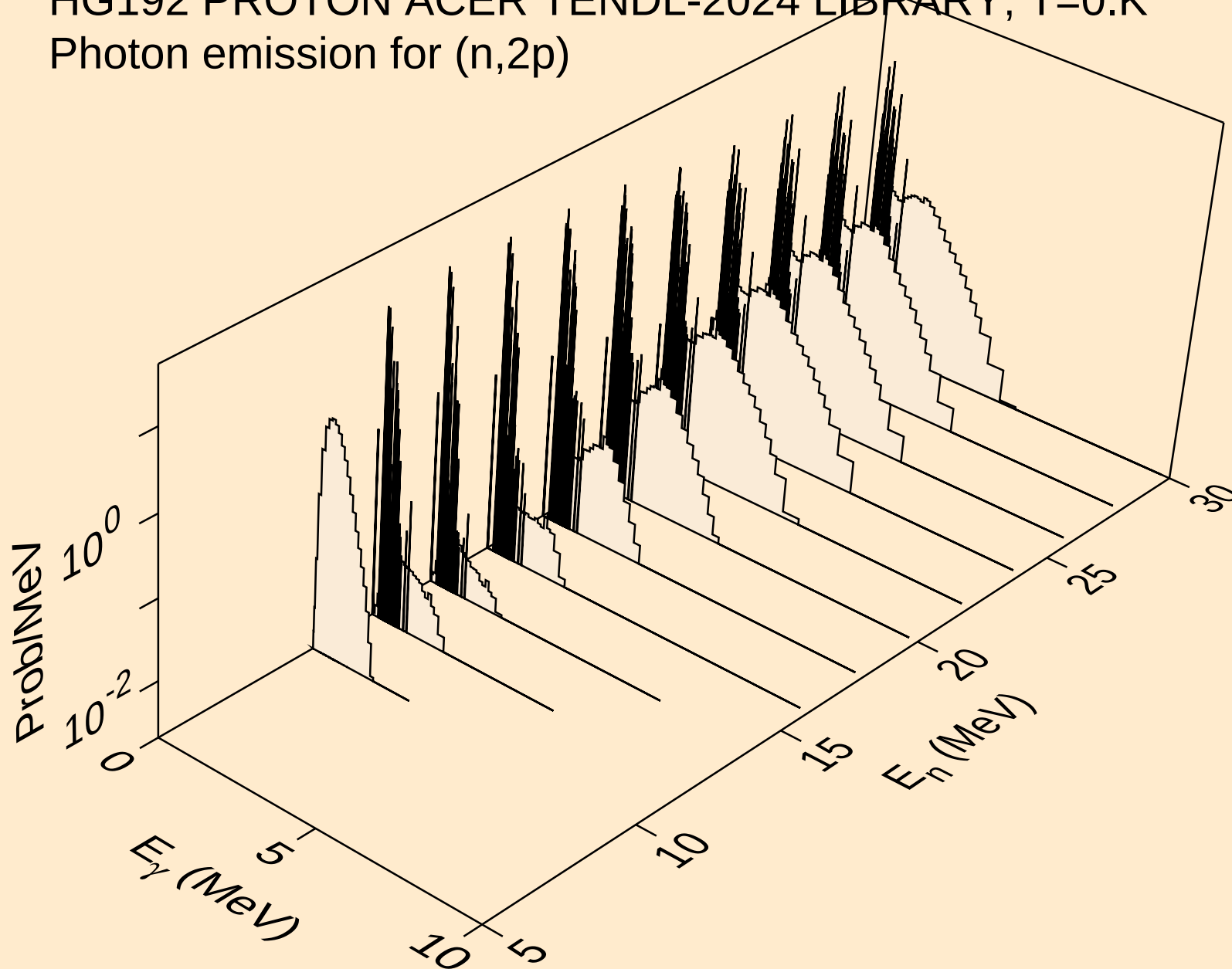
HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



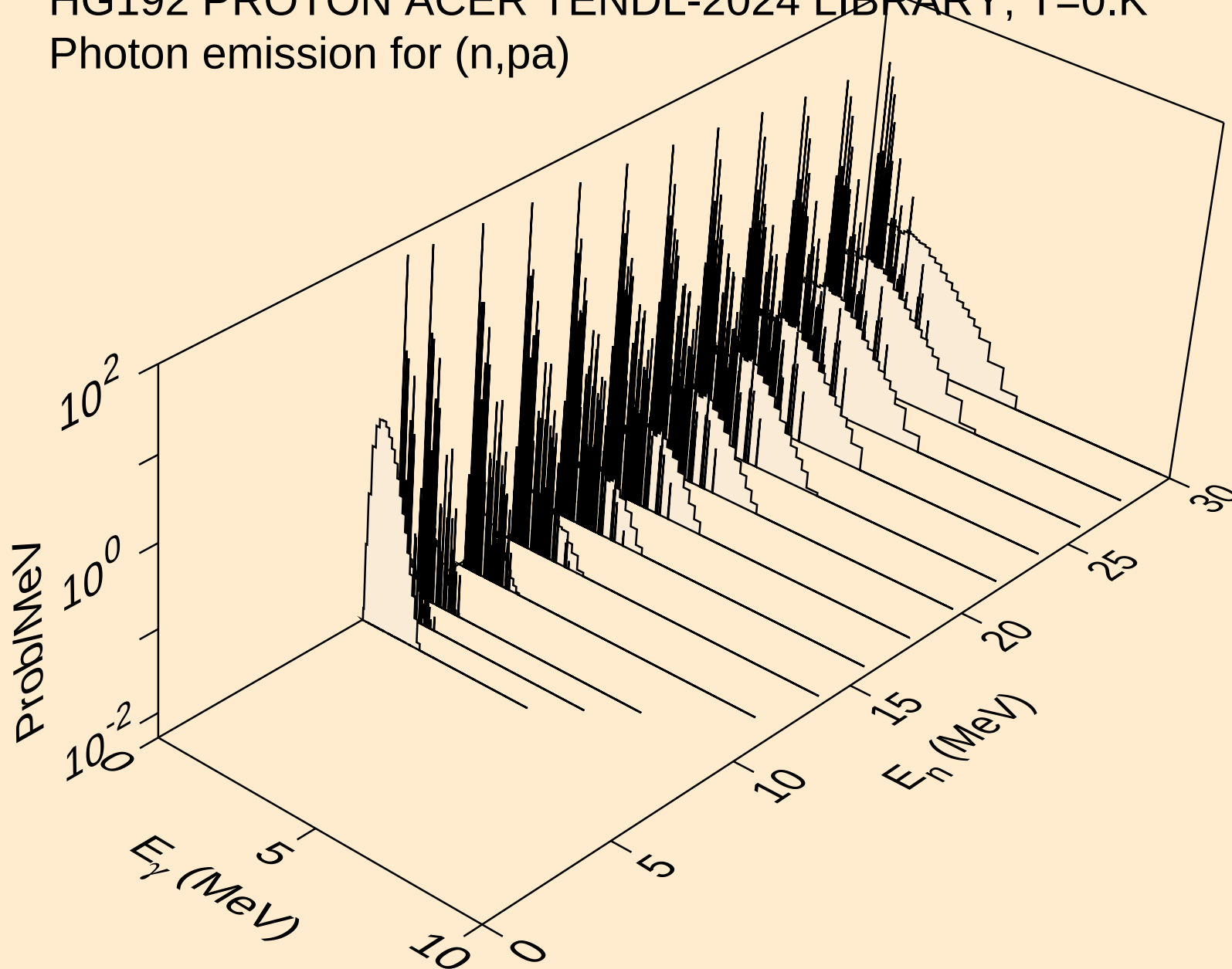
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Photon emission for (n,2a)



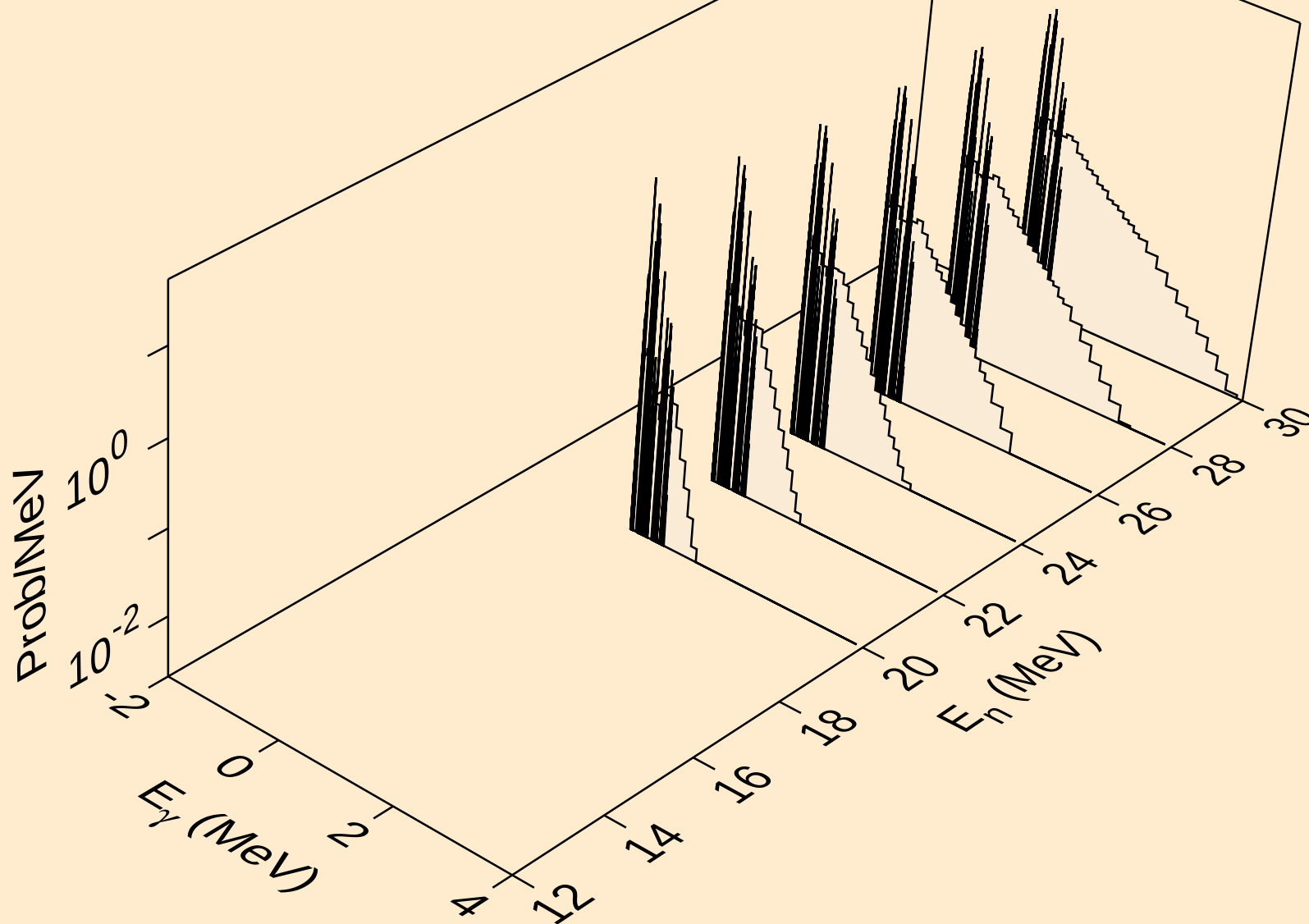
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Photon emission for (n,2p)



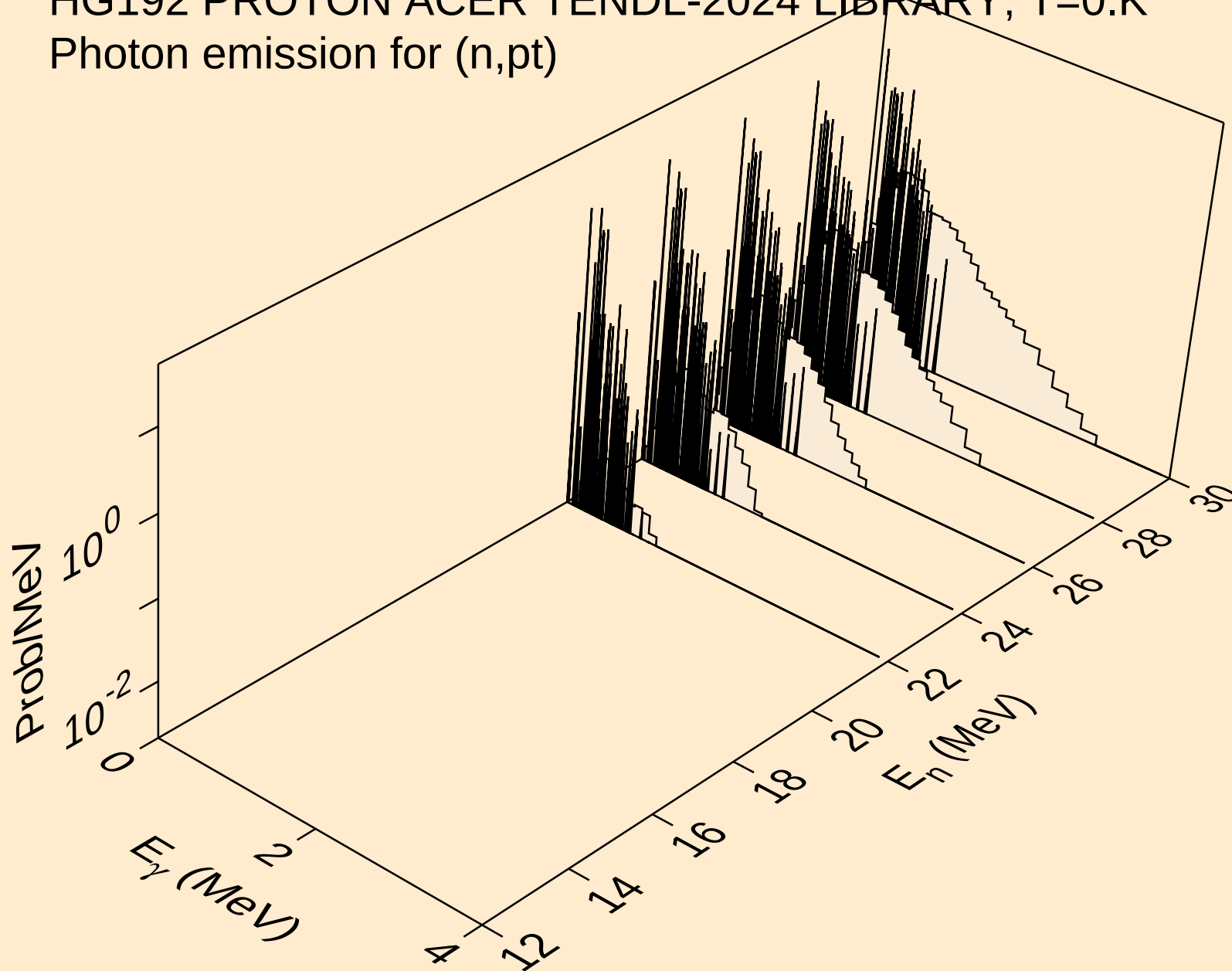
HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pa)



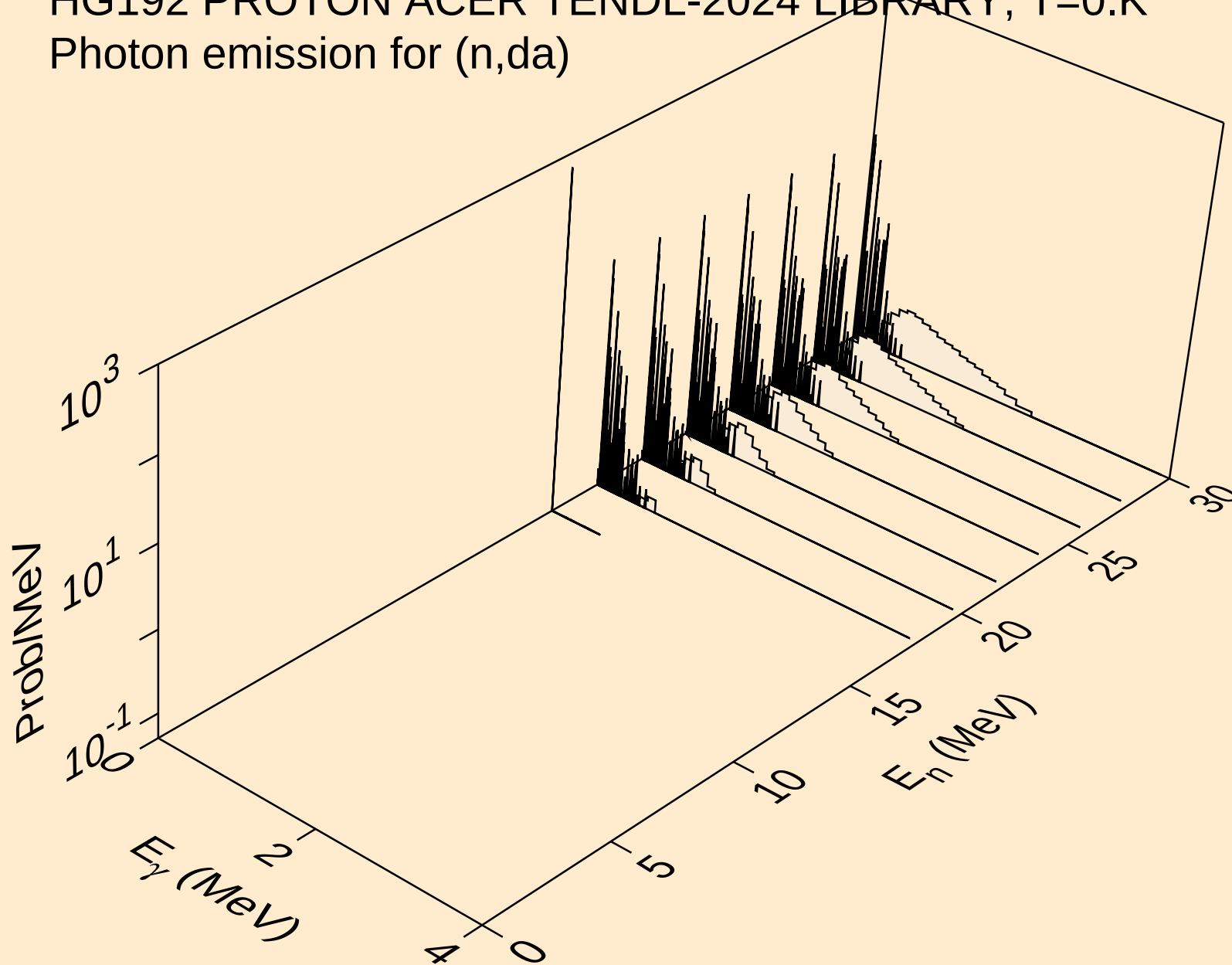
HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)

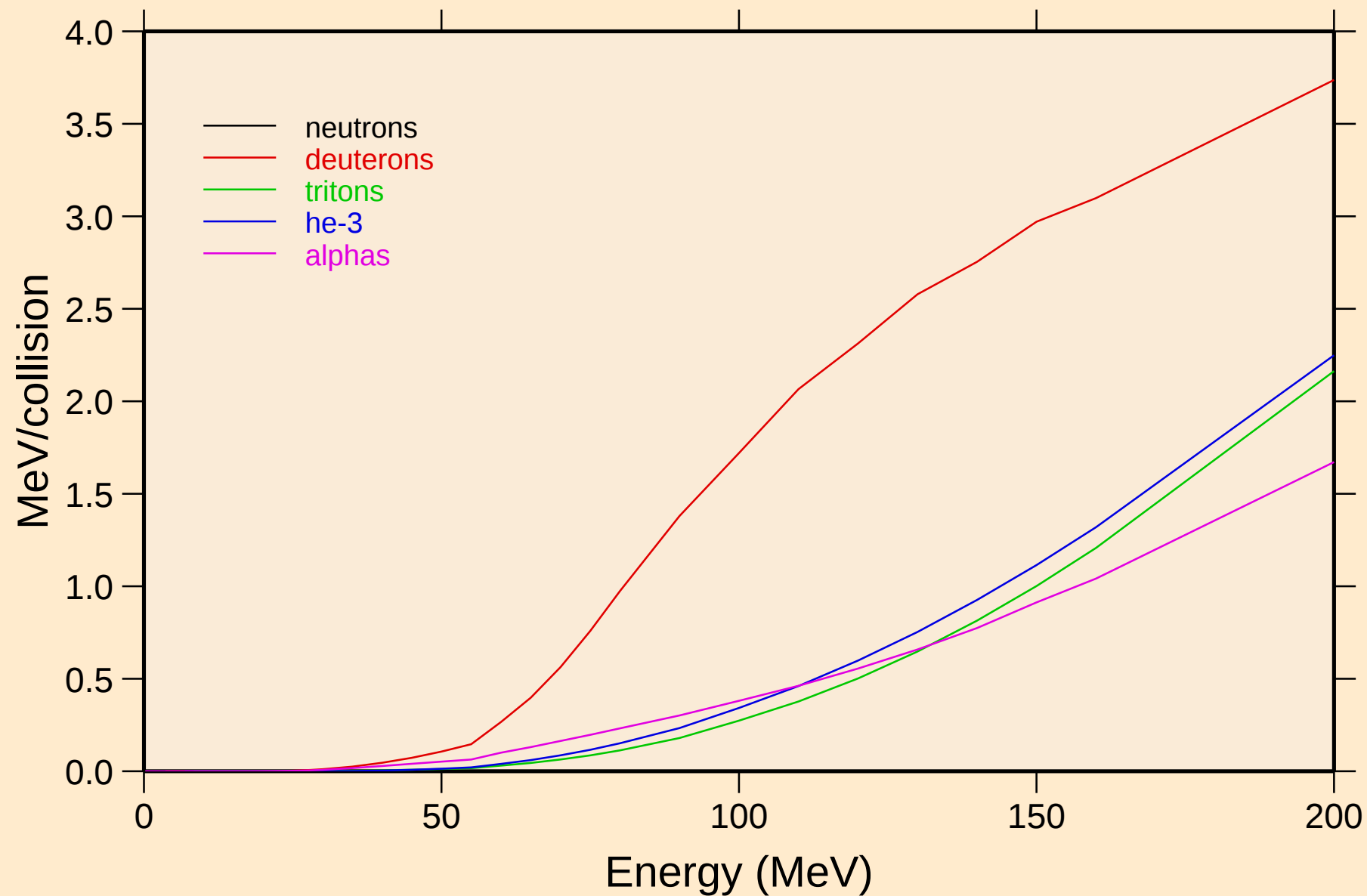


HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



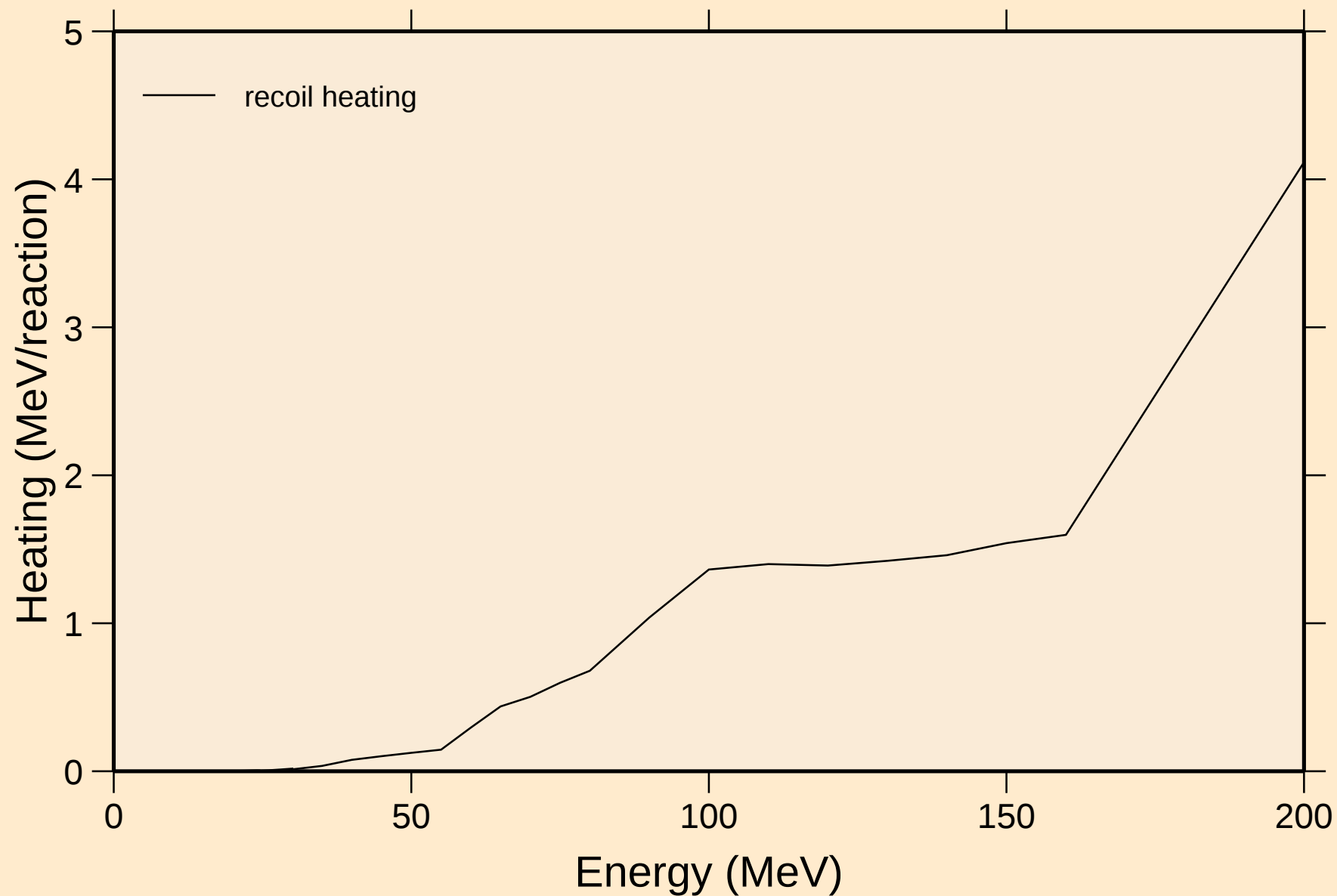
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## Particle heating contributions



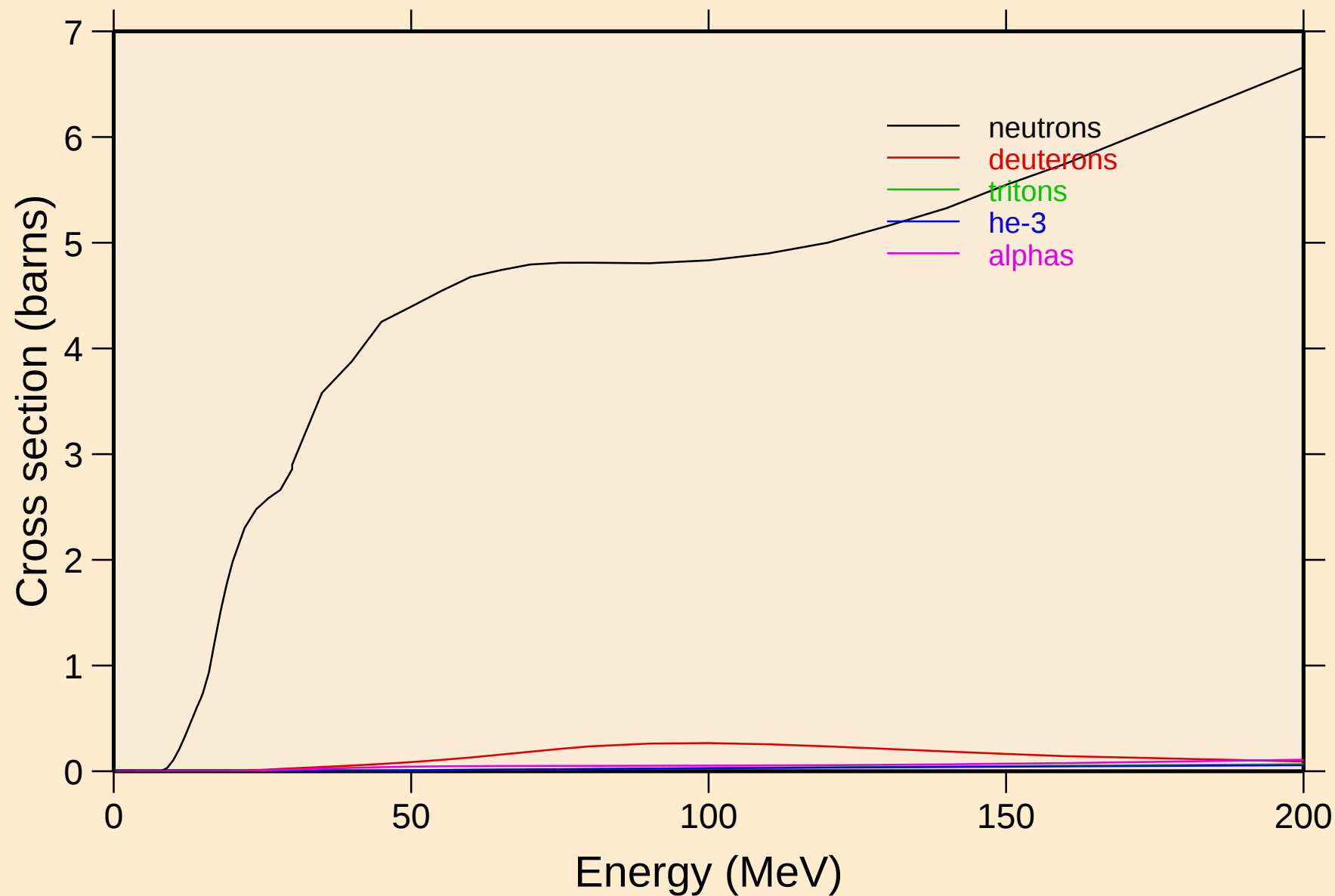
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## Recoil Heating

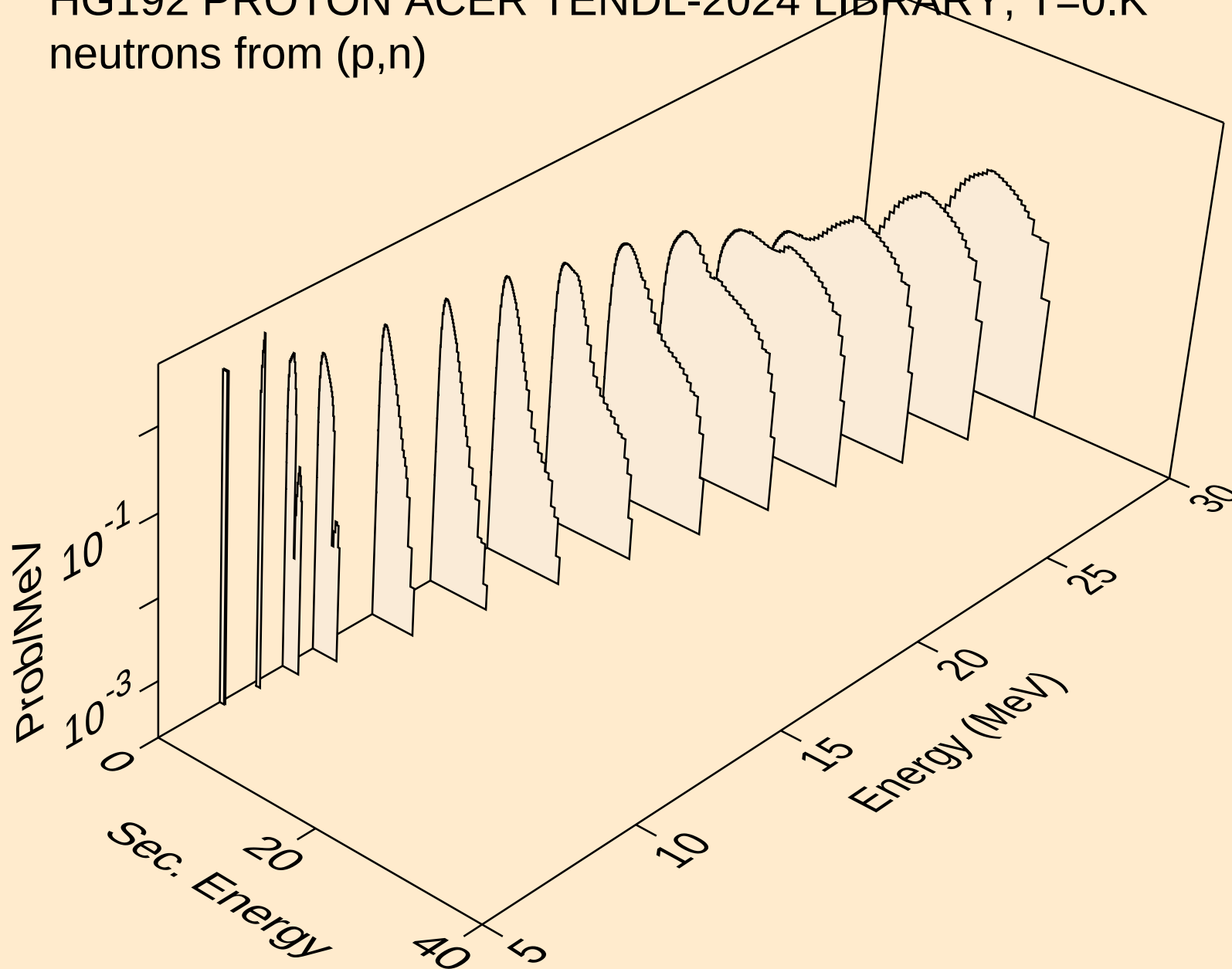


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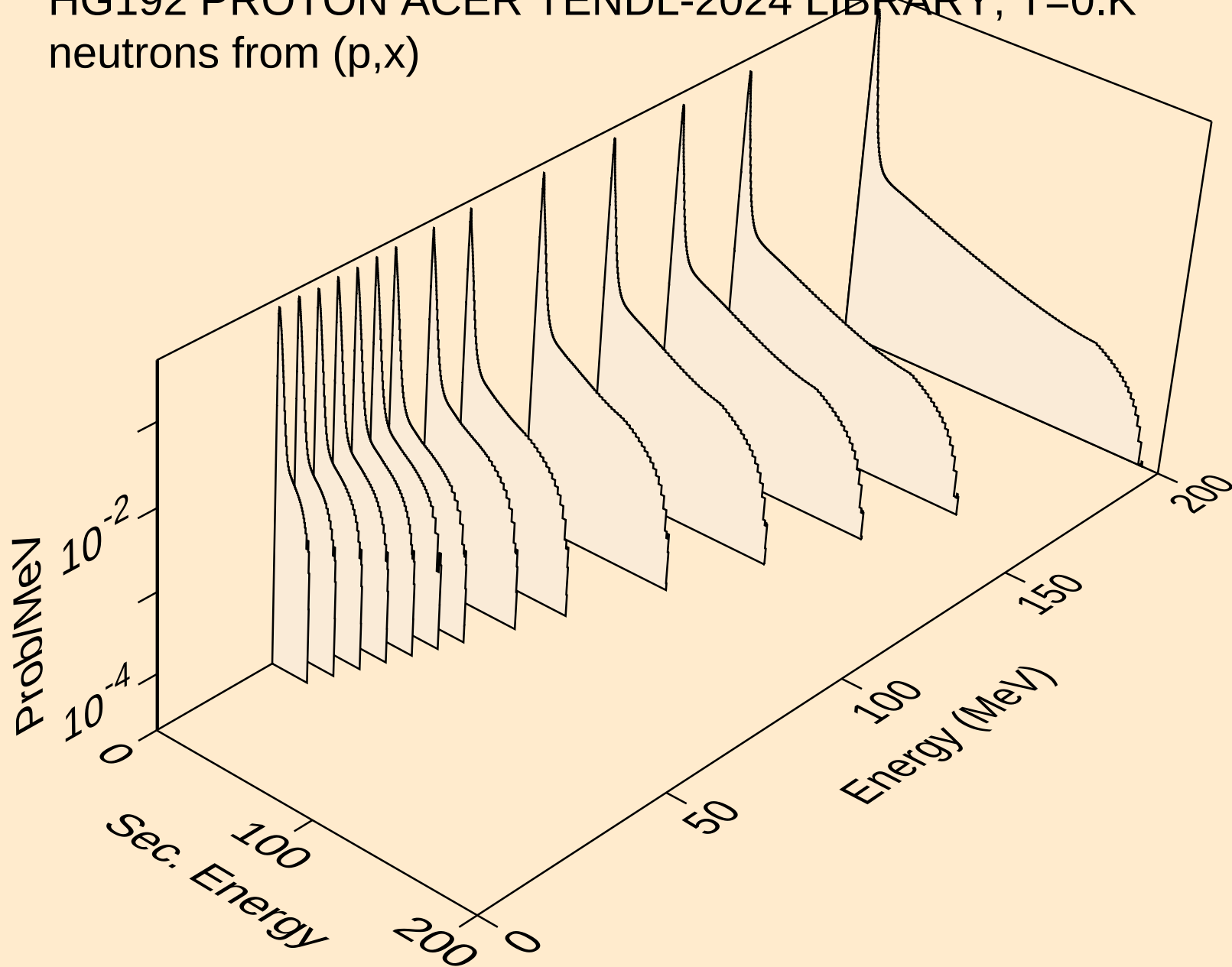
## Particle production cross sections



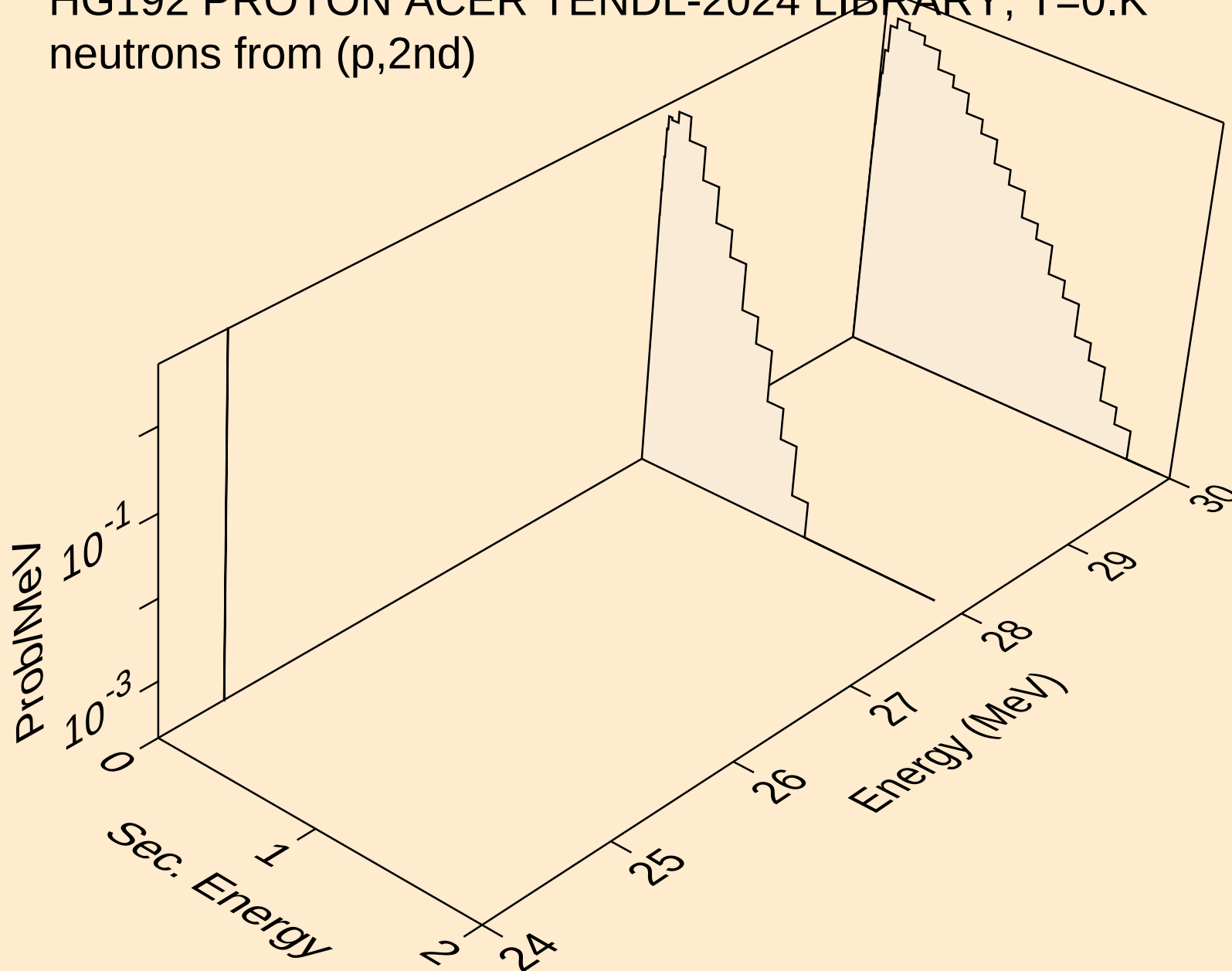
HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n)



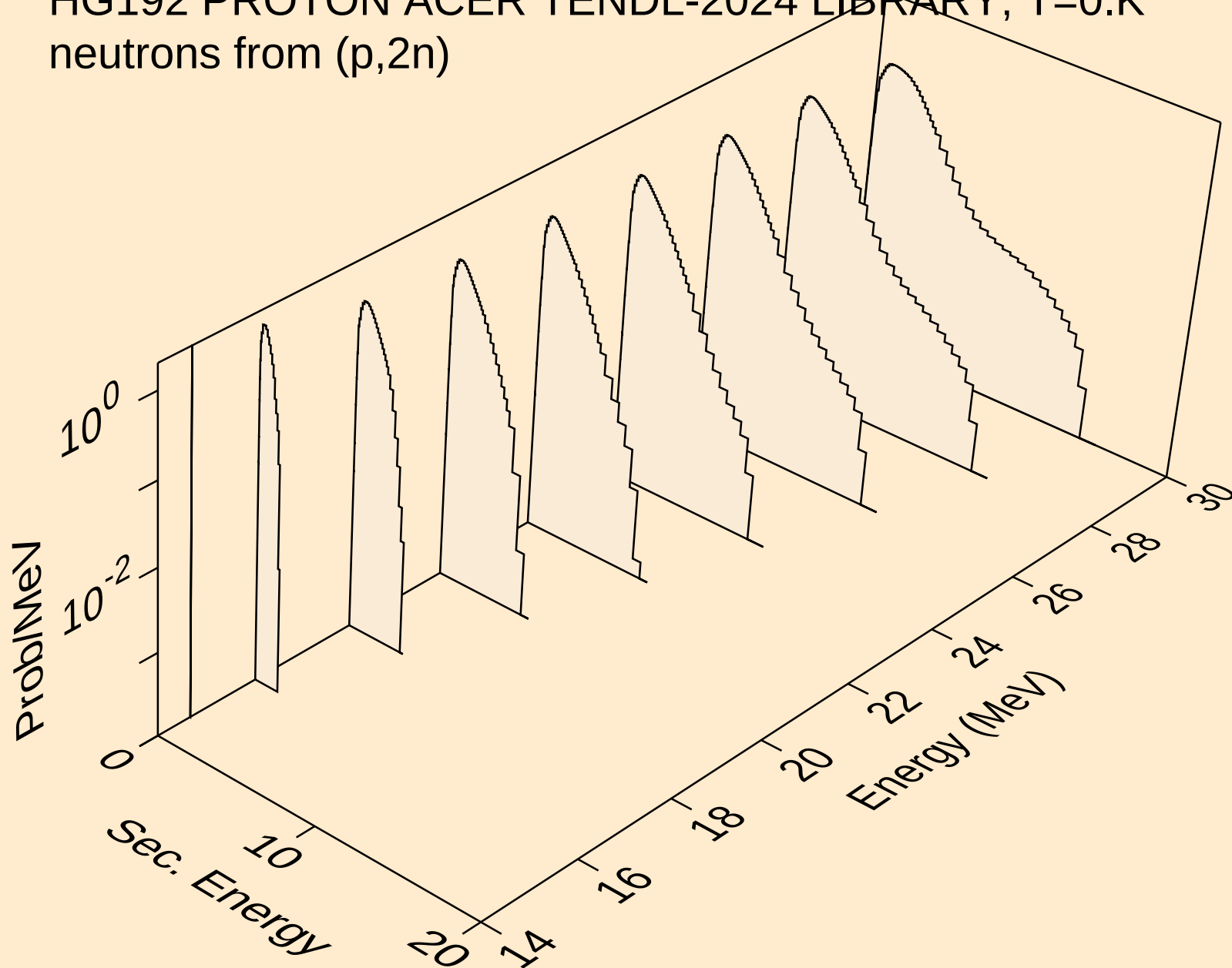
HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,x)



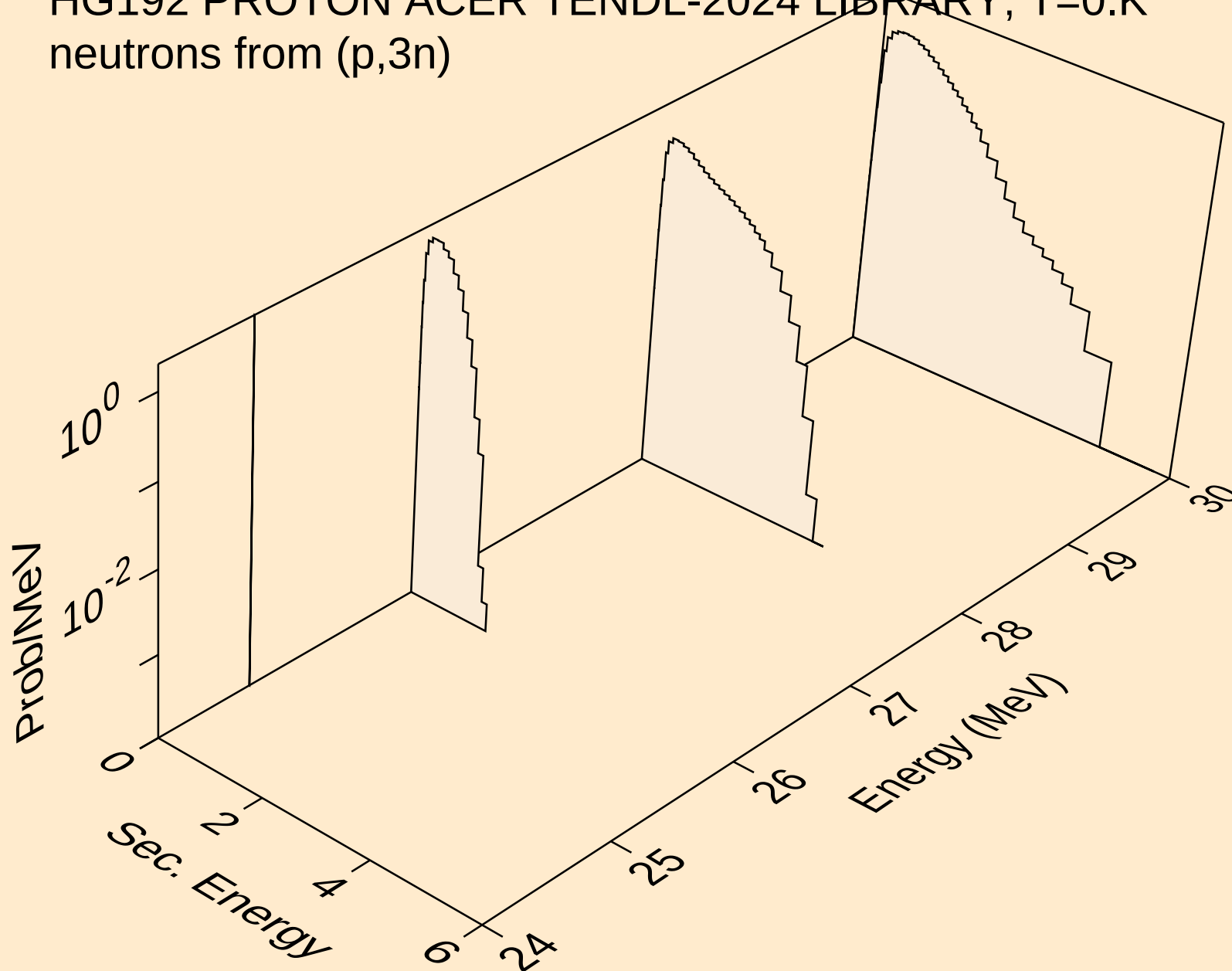
HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,2nd)



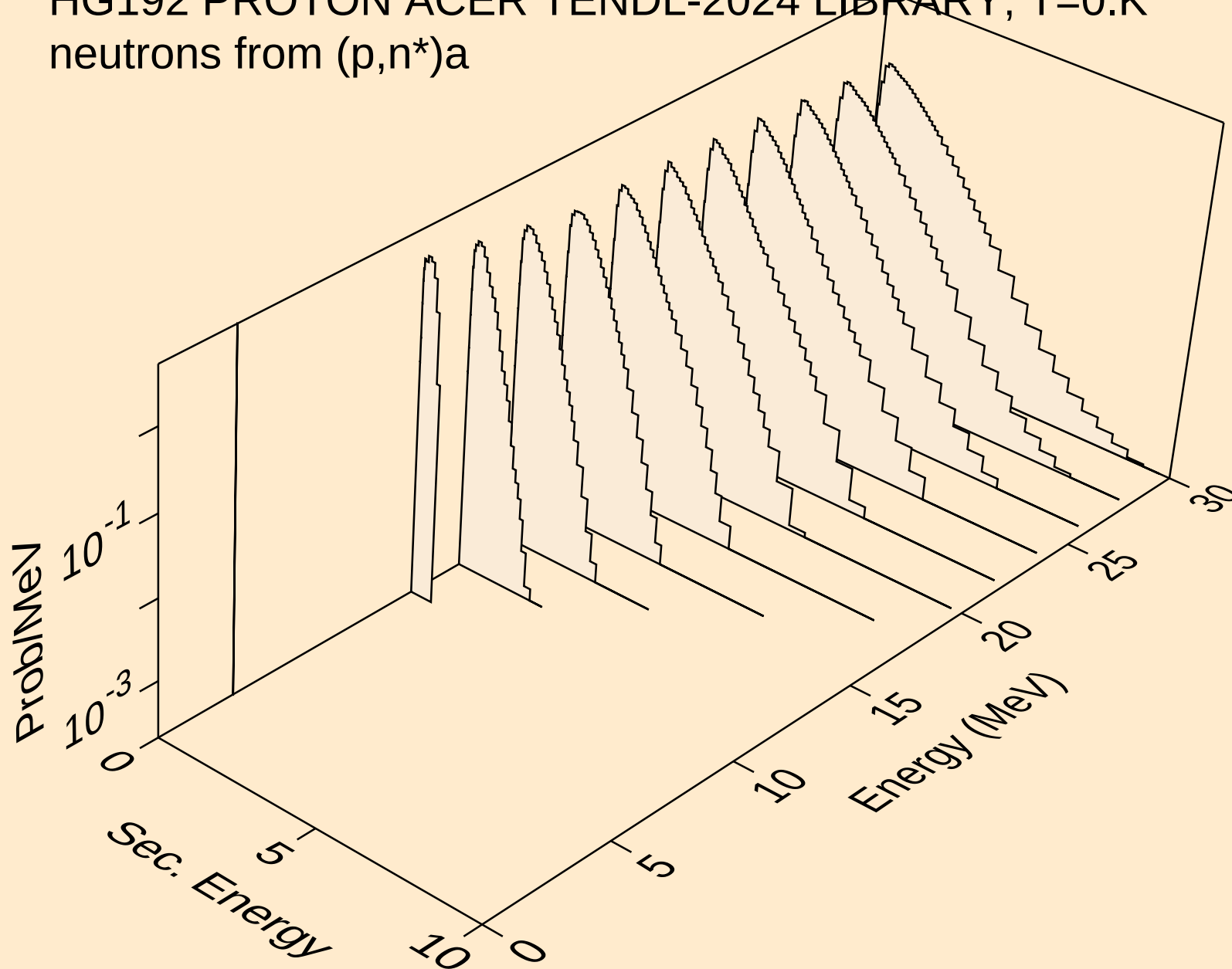
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neutrons from (p,2n)



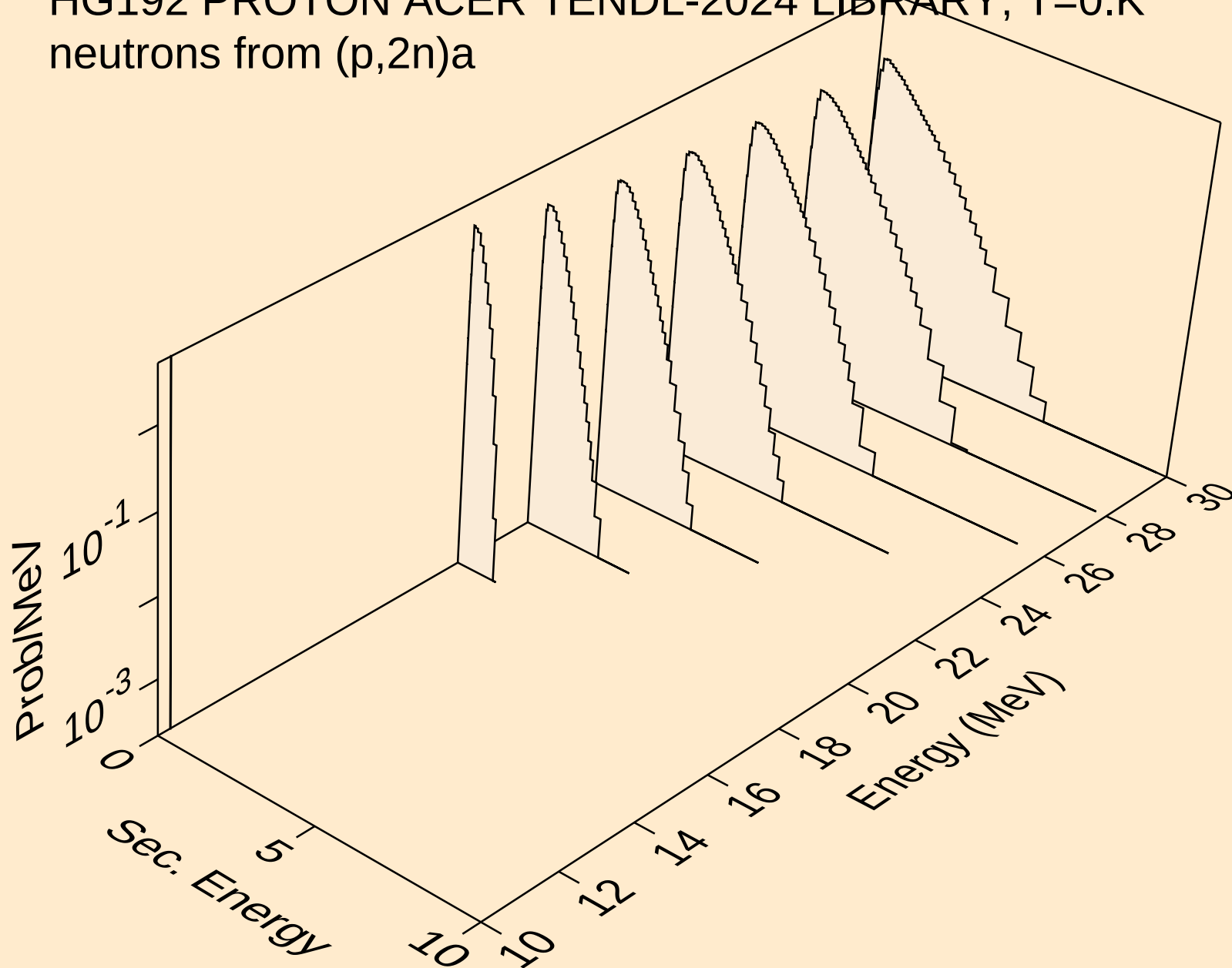
HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,3n)



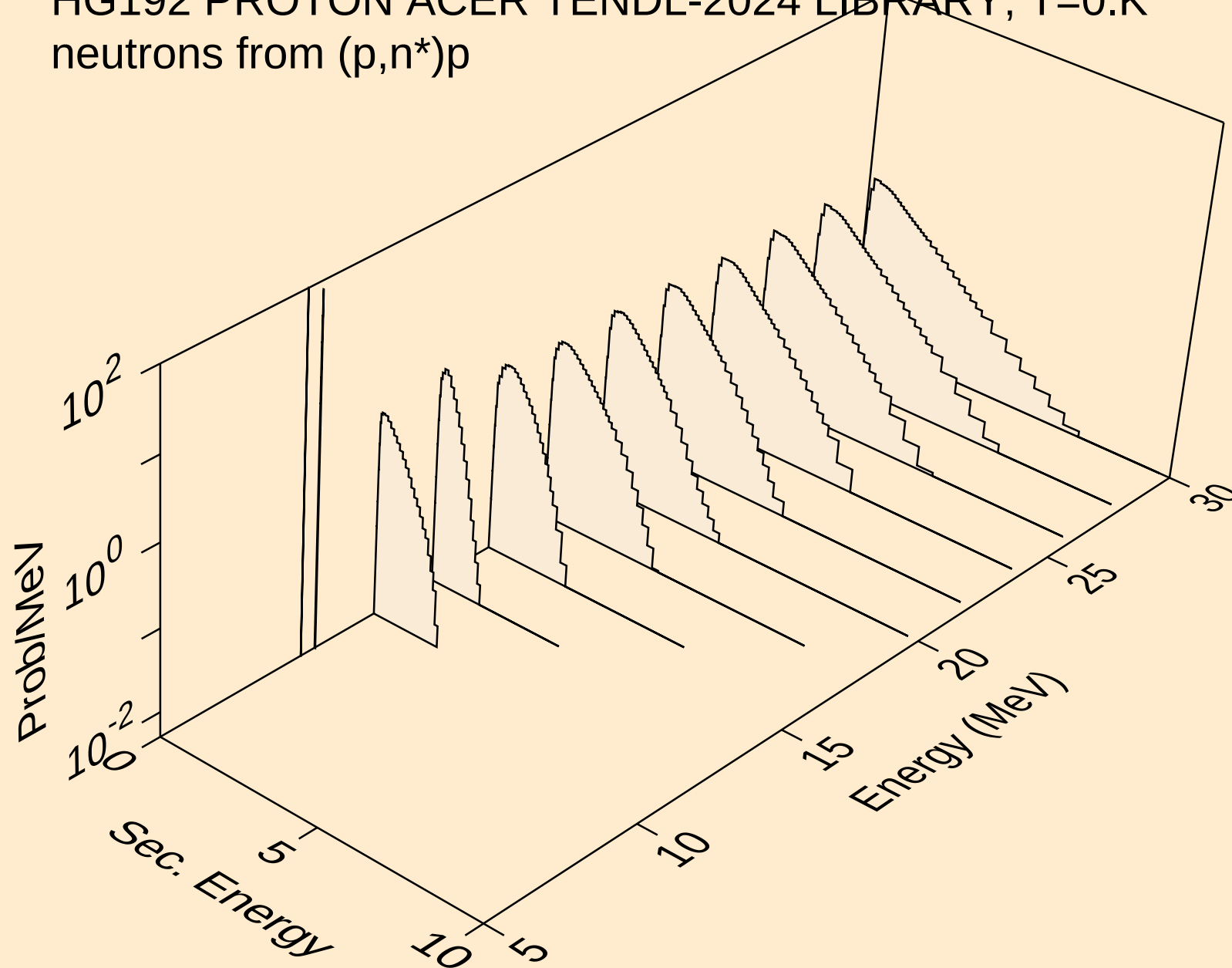
HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)a



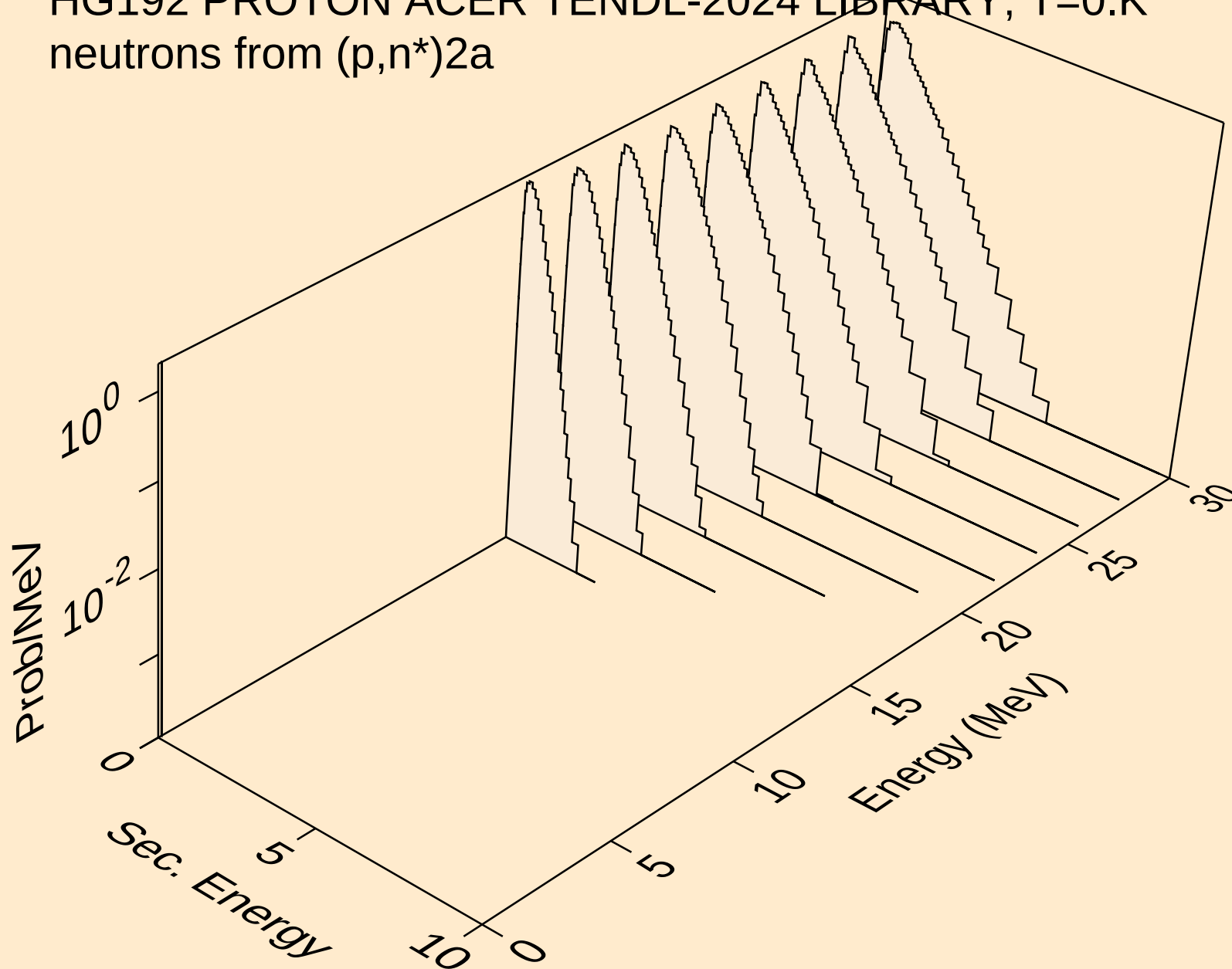
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neutrons from (p,2n)a



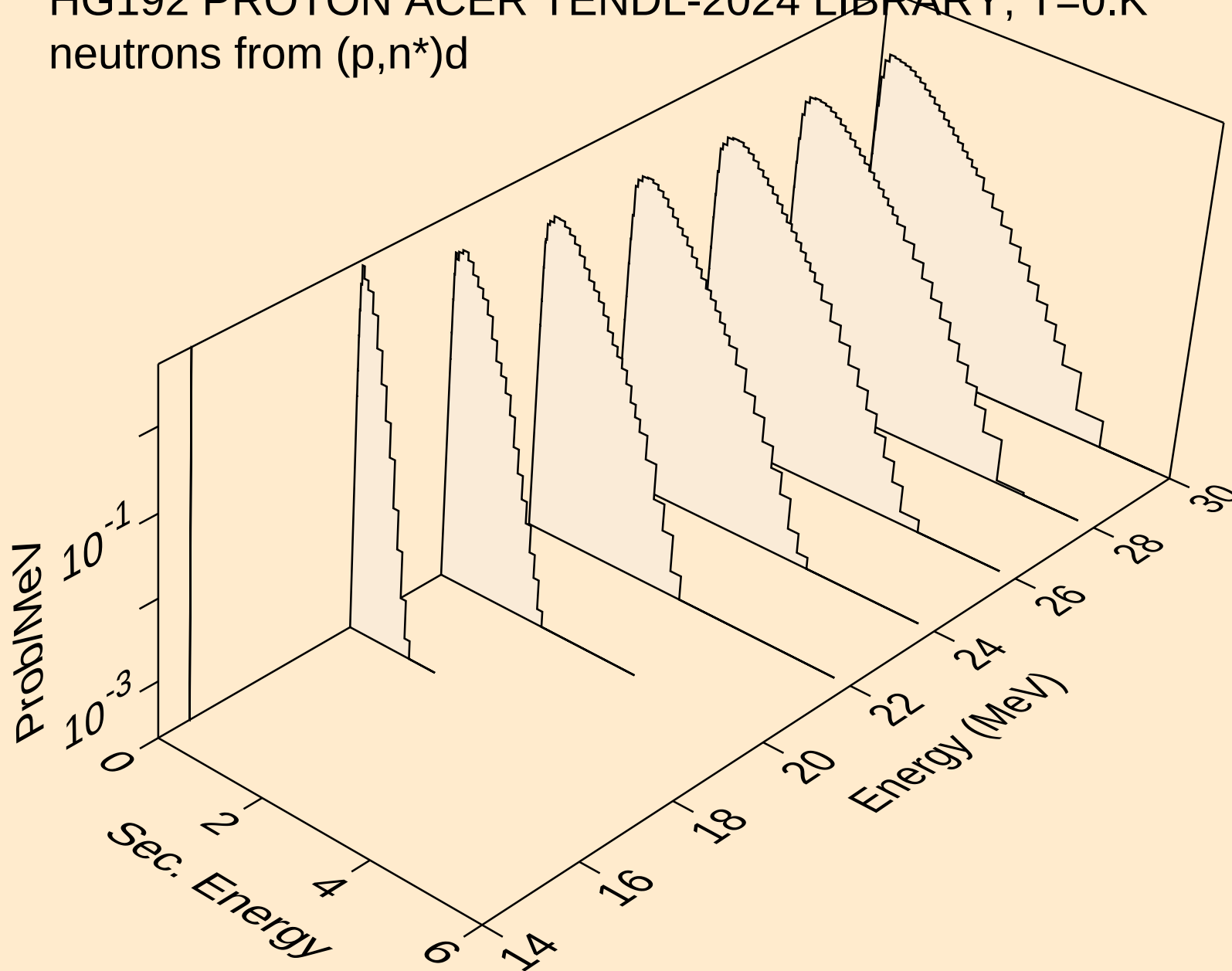
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neutrons from (p,n\*)p



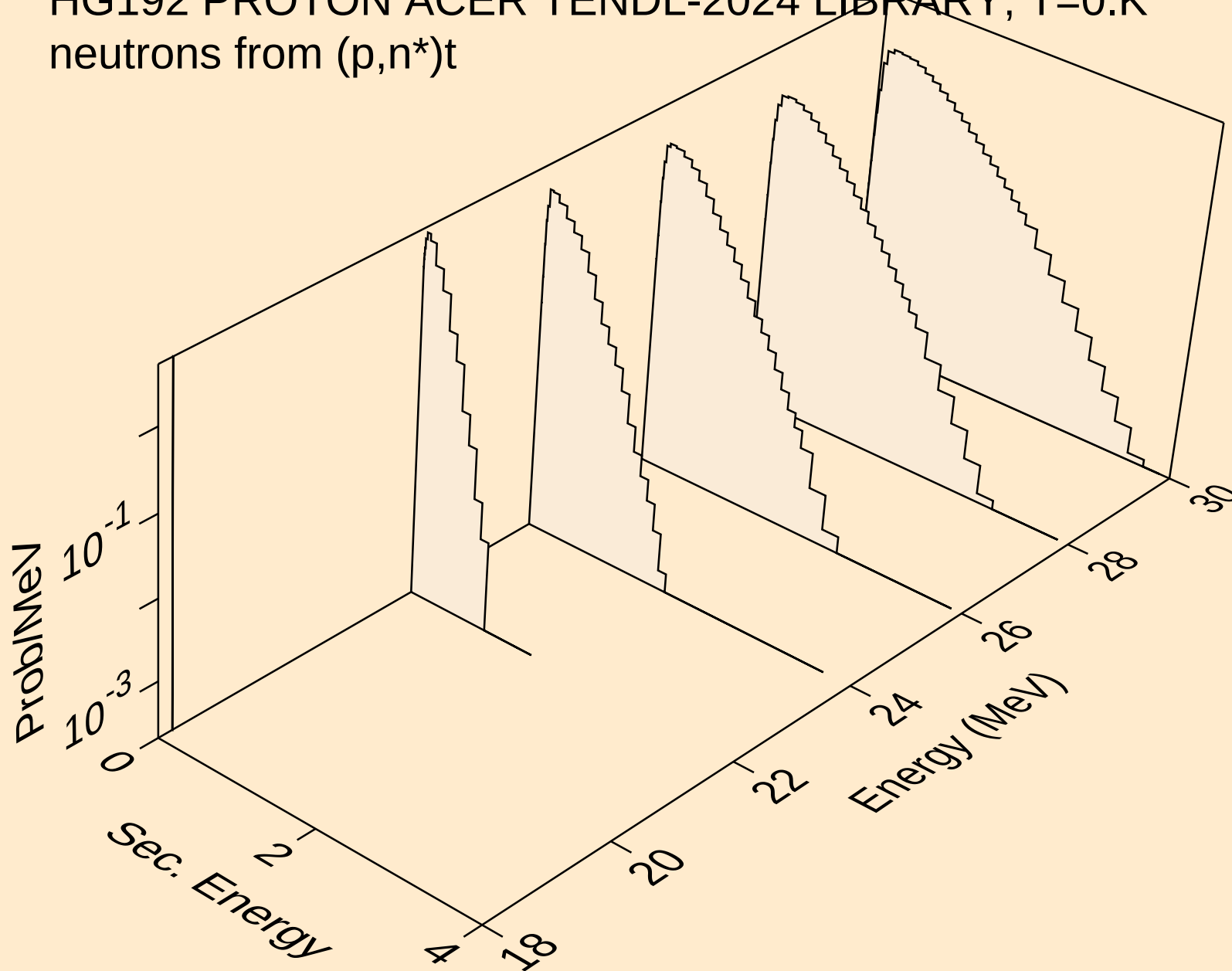
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neutrons from (p,n\*)2a



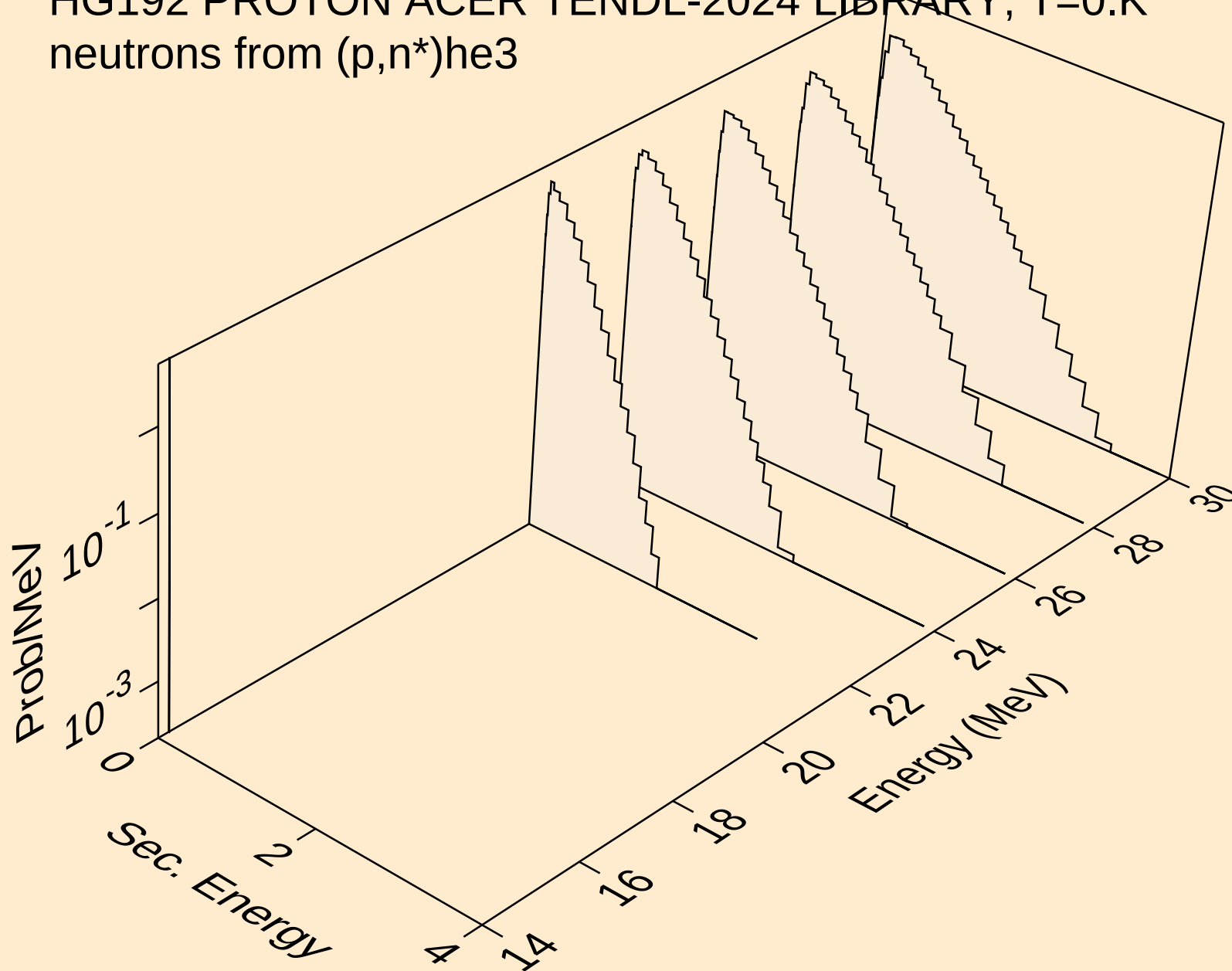
HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)d



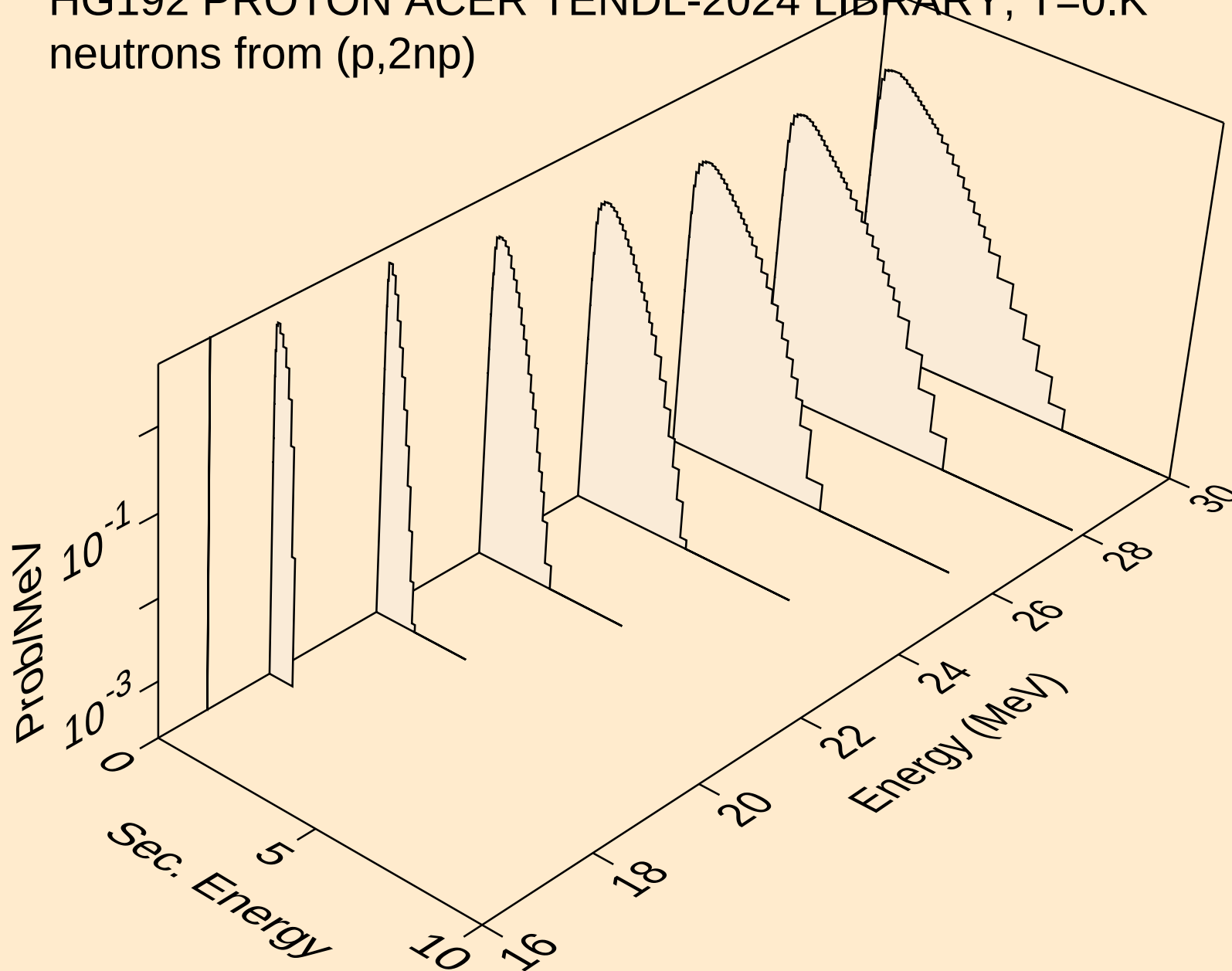
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neutrons from (p,n\*)t



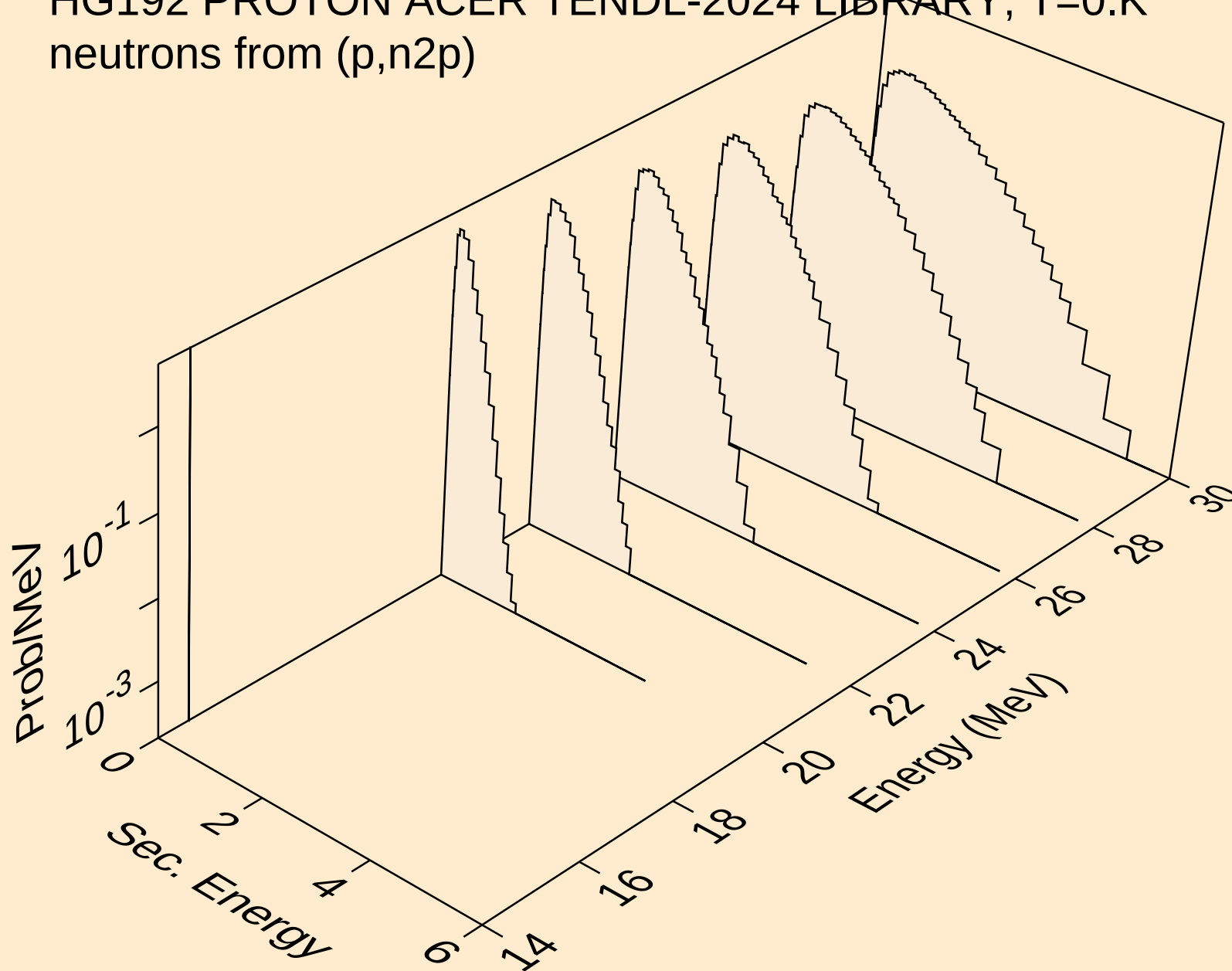
HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



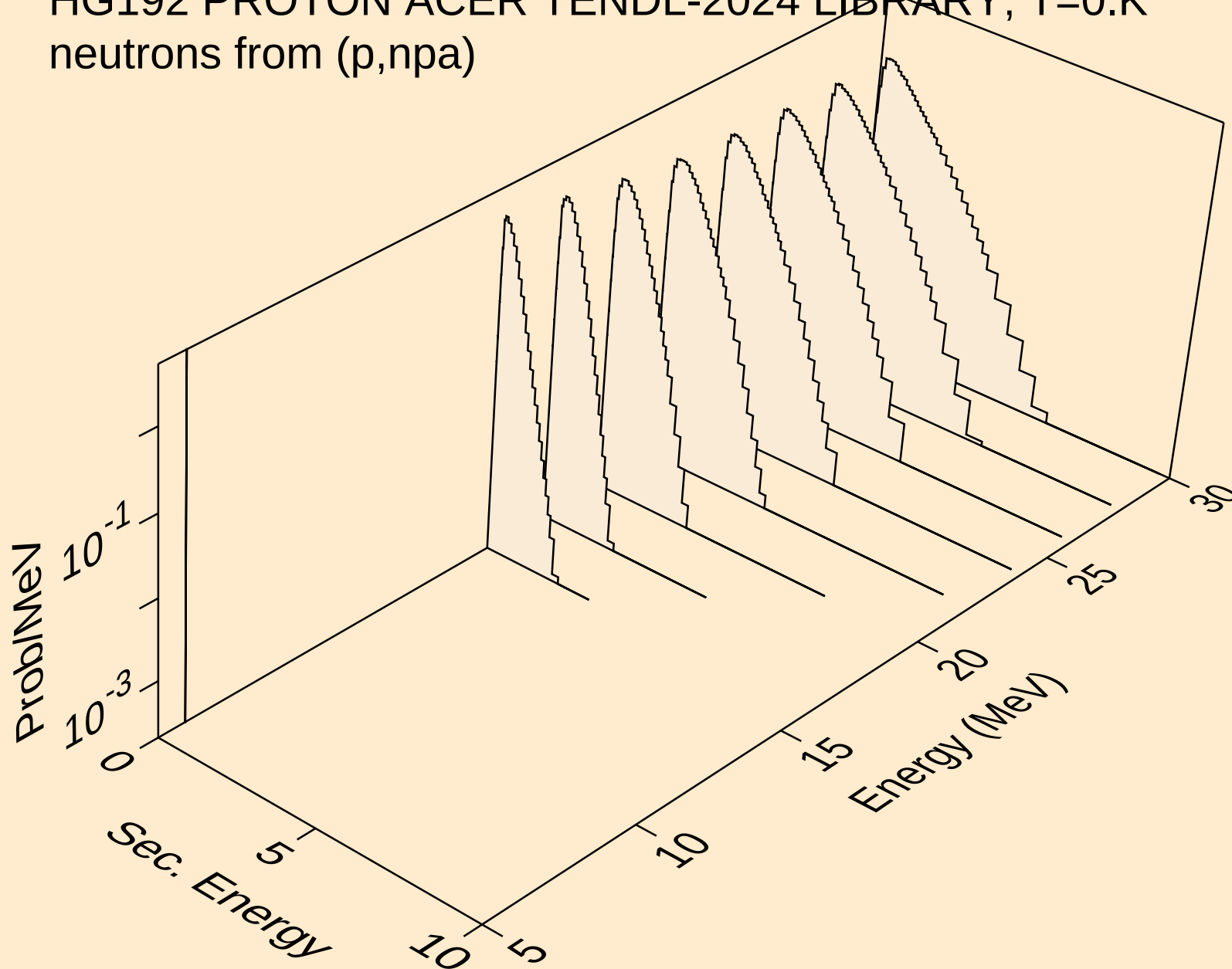
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neutrons from (p,2np)



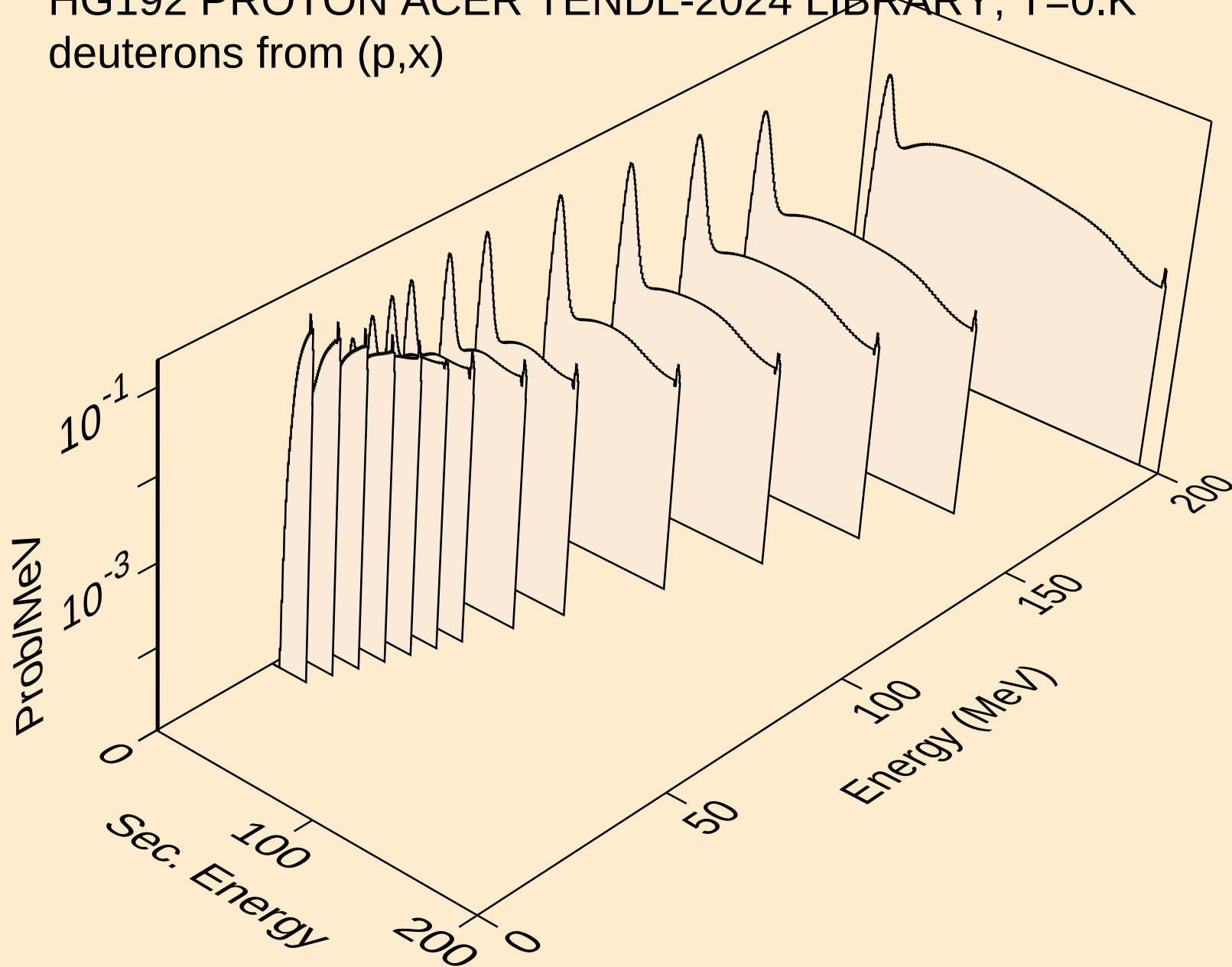
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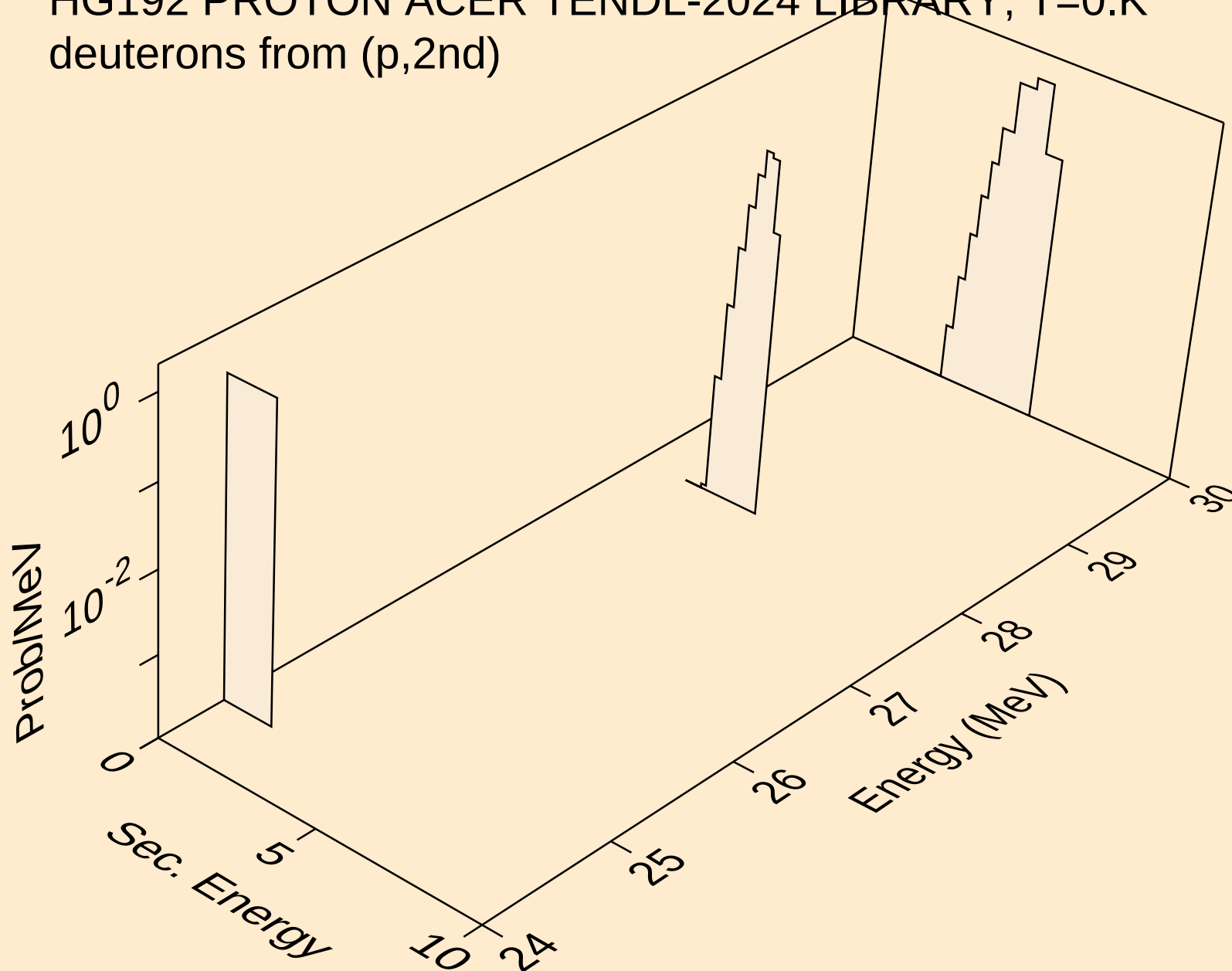
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neutrons from (p,npa)



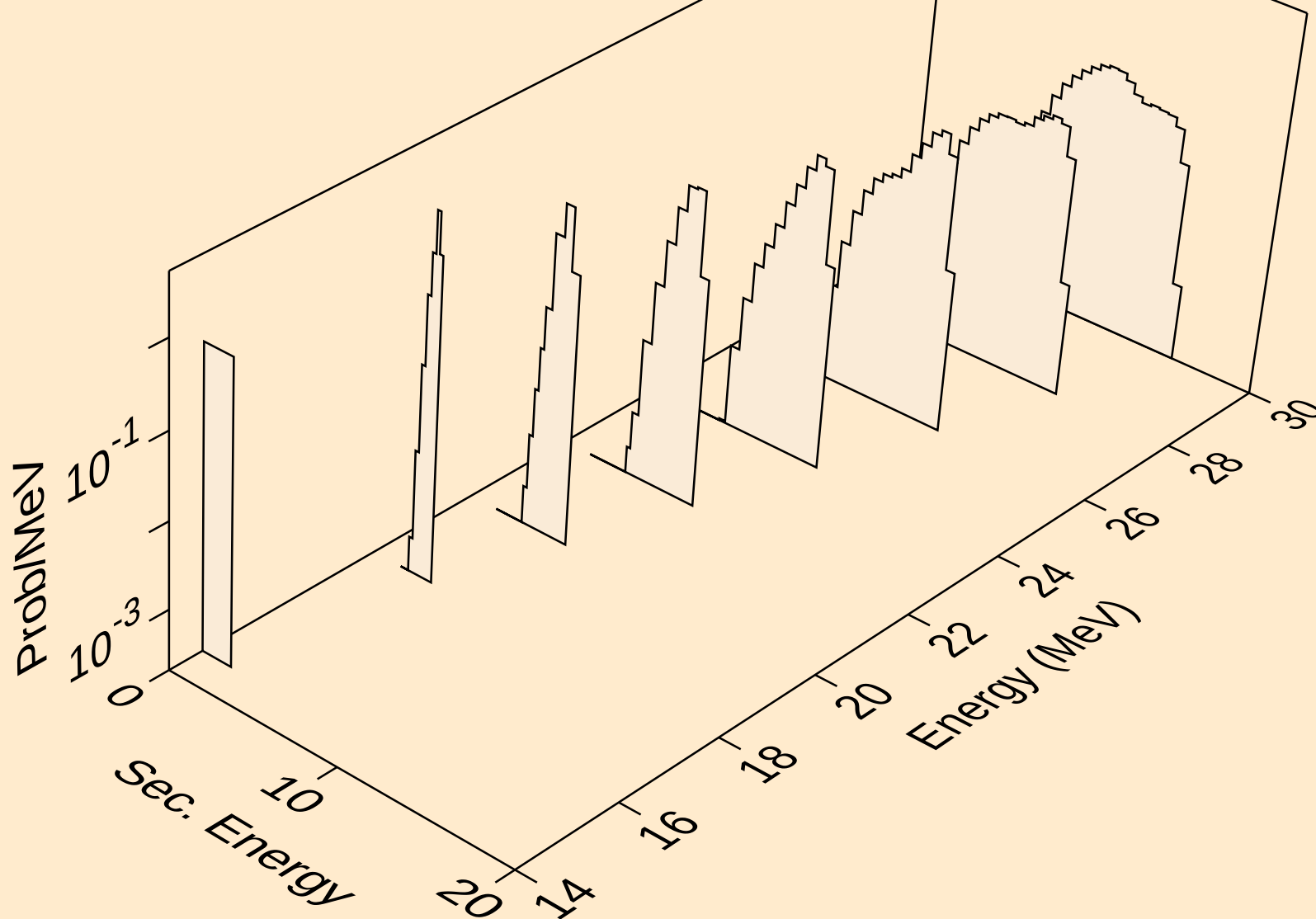
HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (p,x)



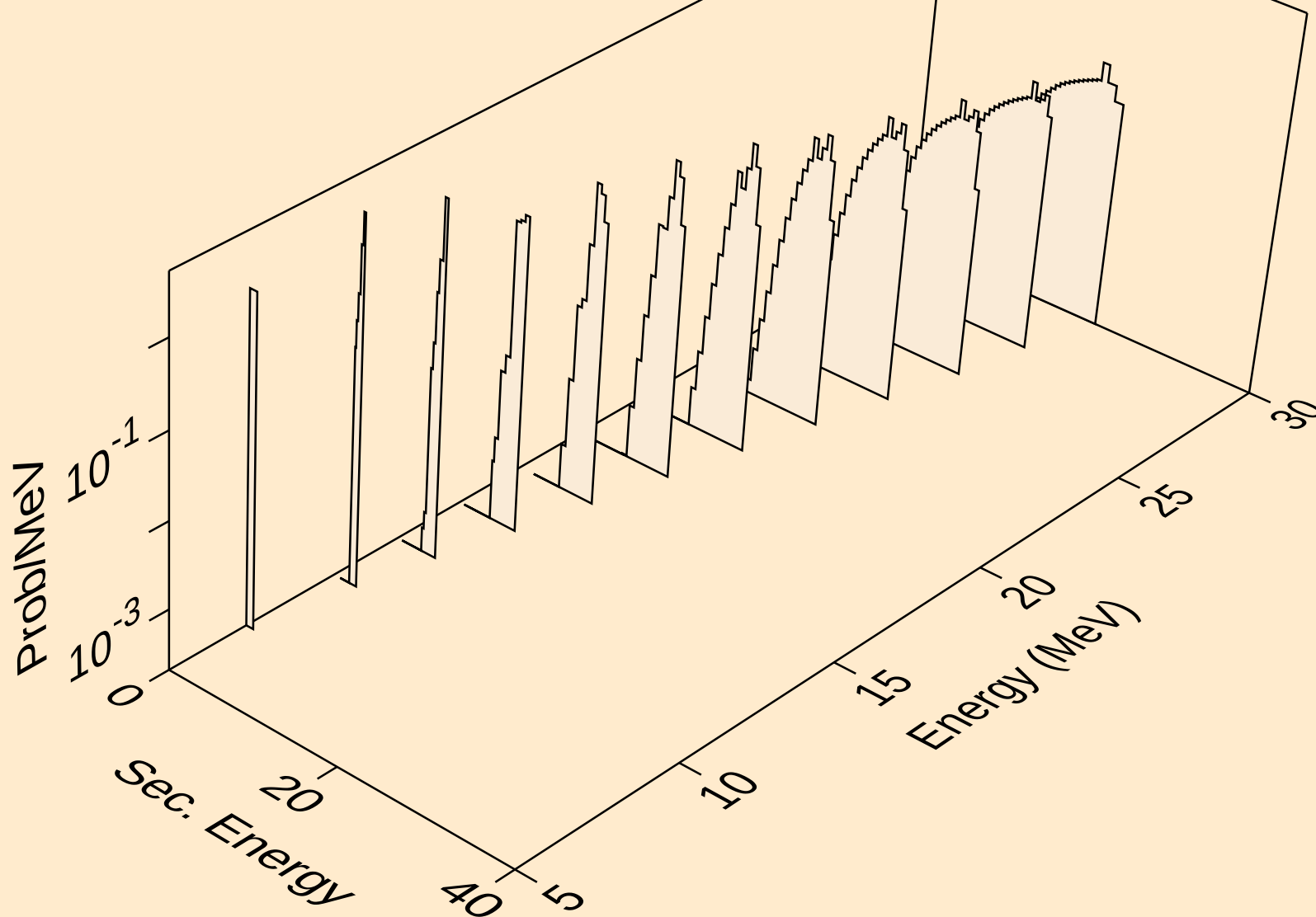
HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (p,2nd)



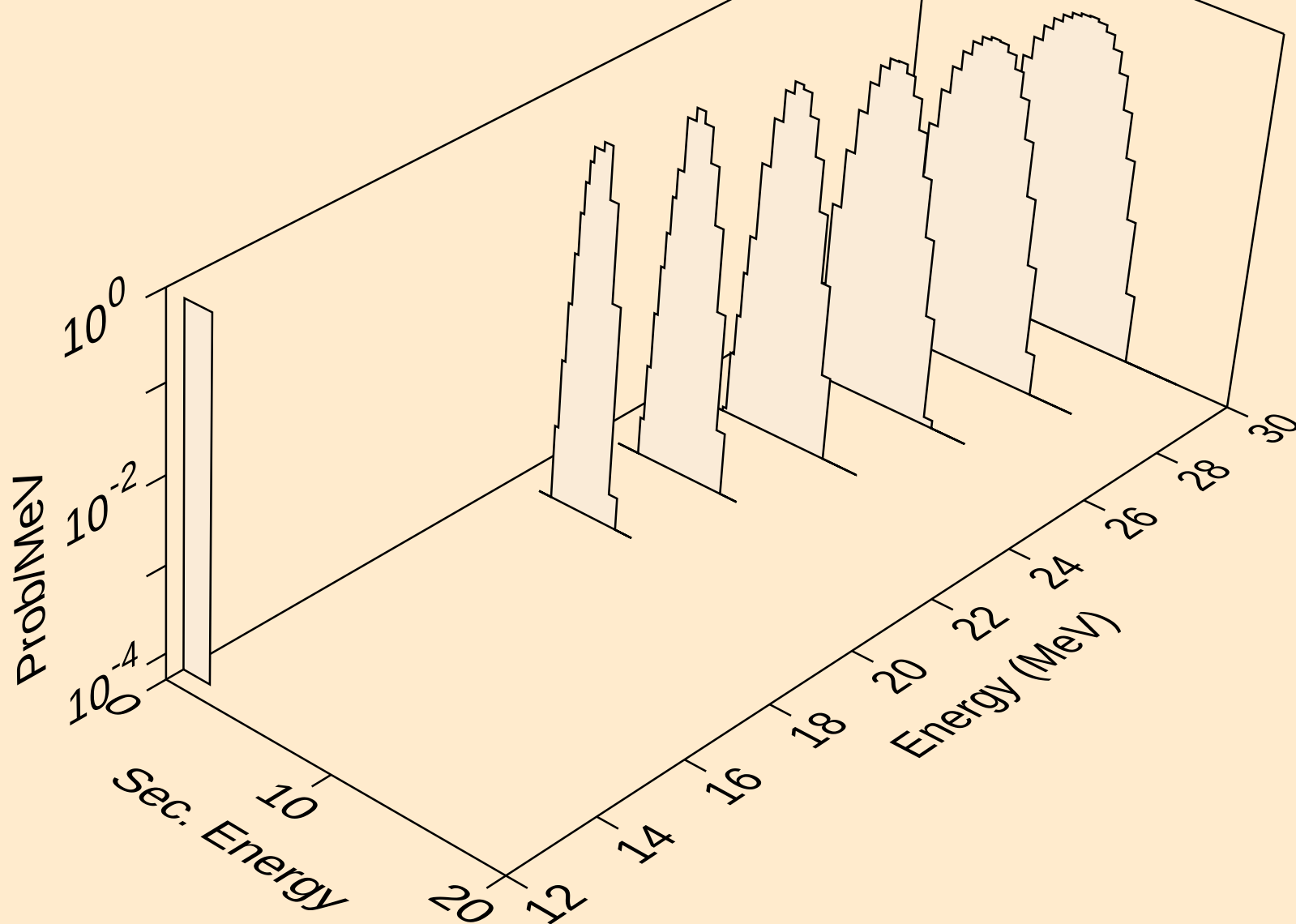
HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (p,n\*)d



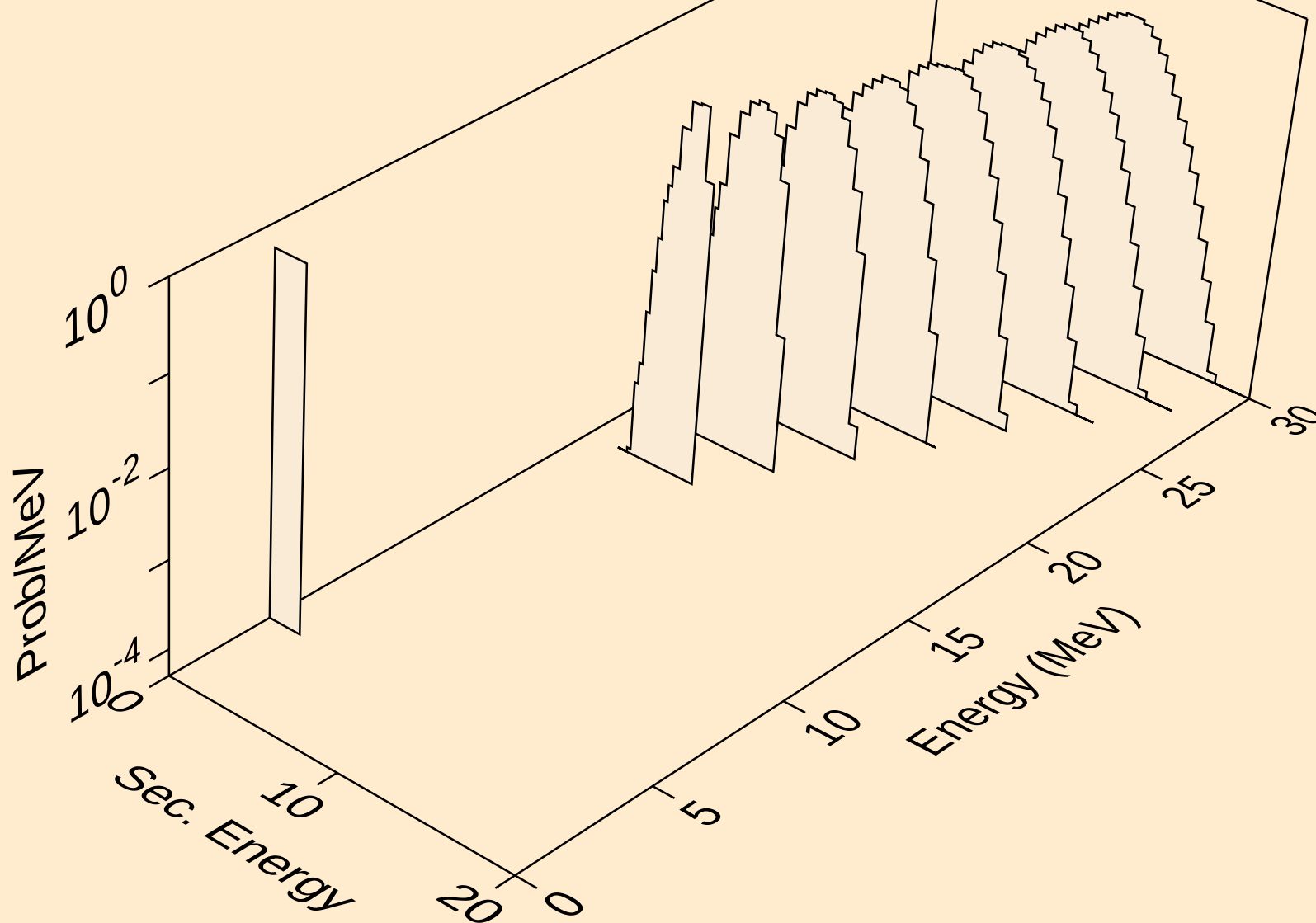
HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (p,d)



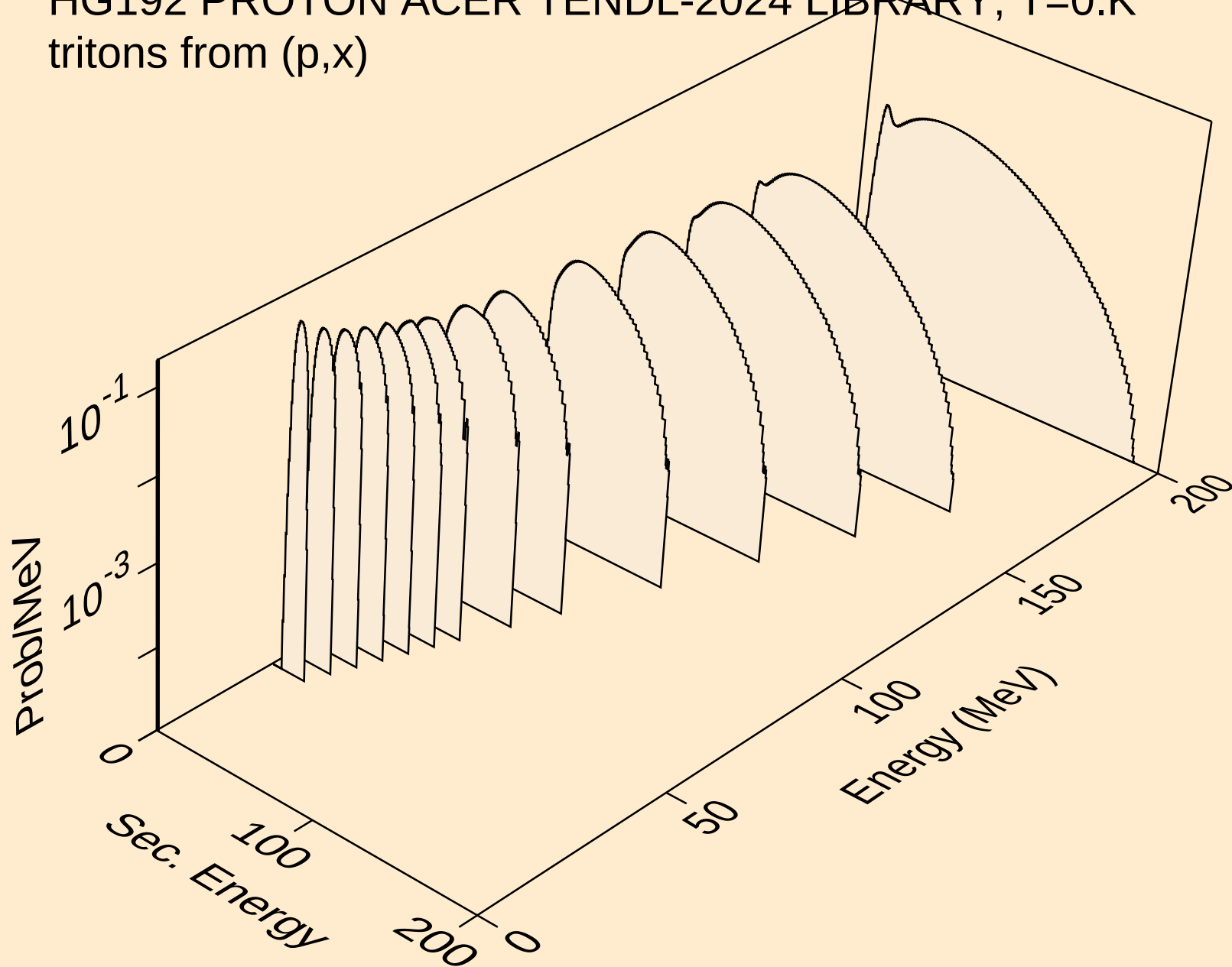
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deuterons from (p,pd)



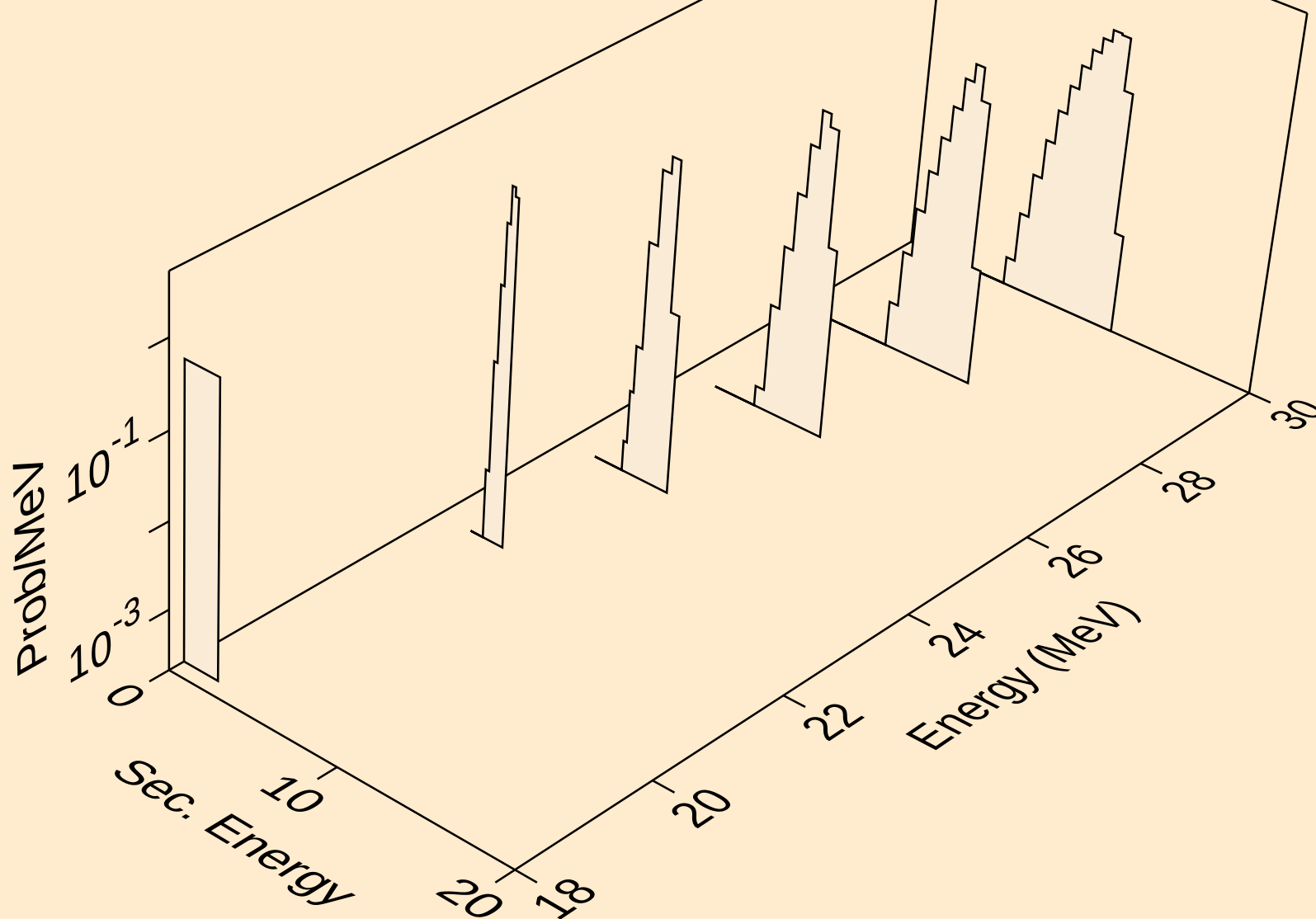
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deuterons from (p,da)



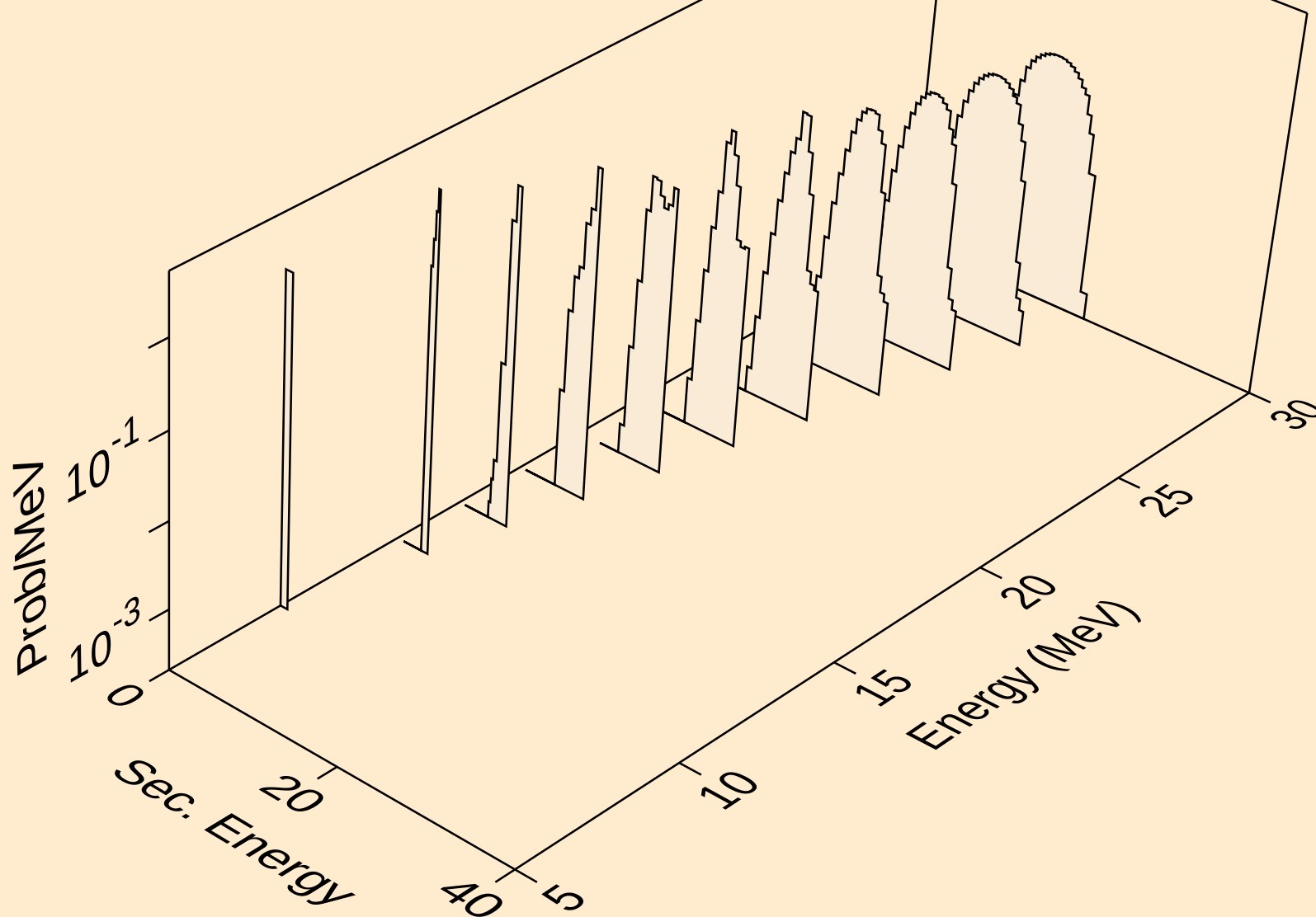
HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (p,x)



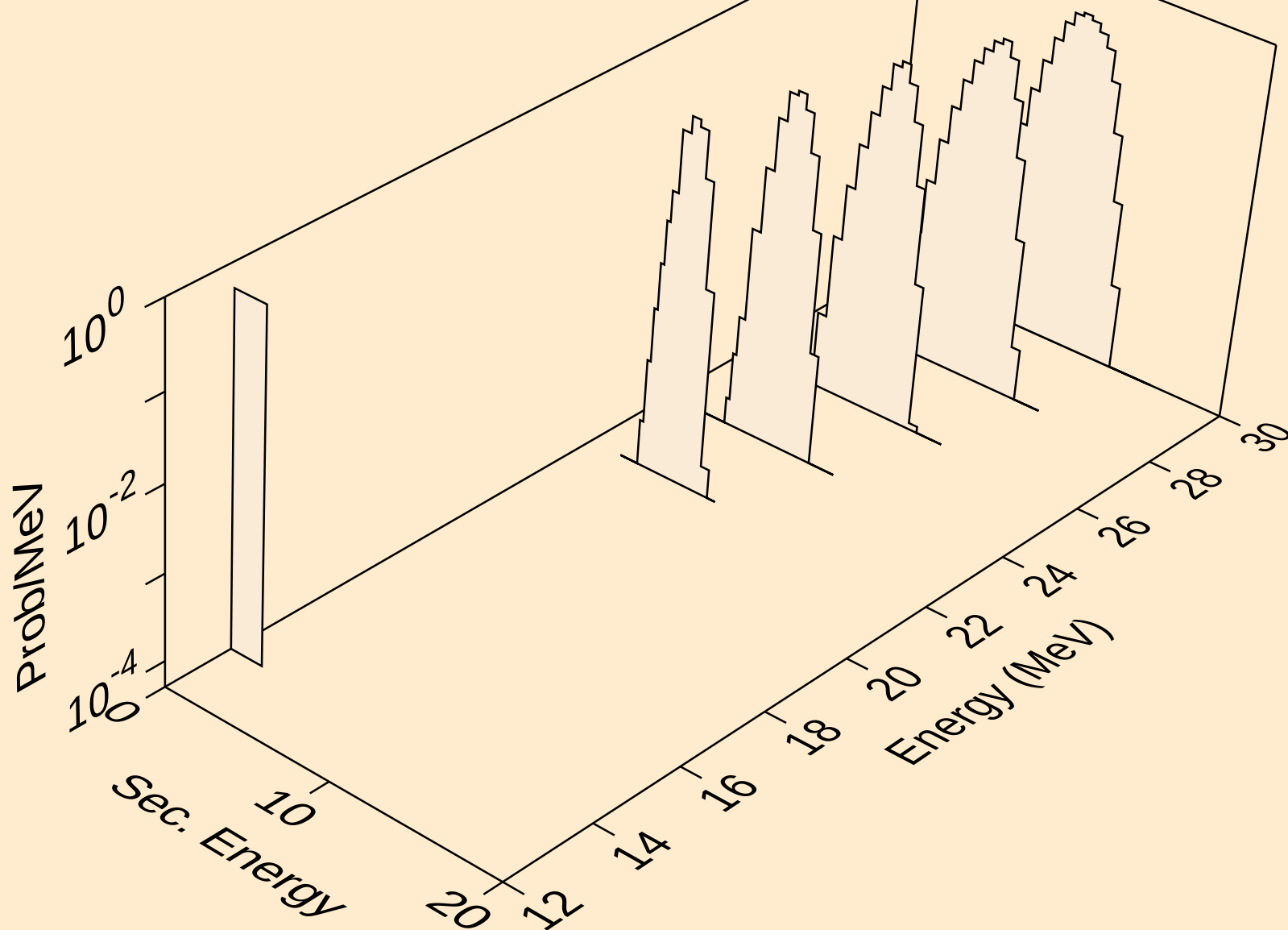
HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (p,n\*)t



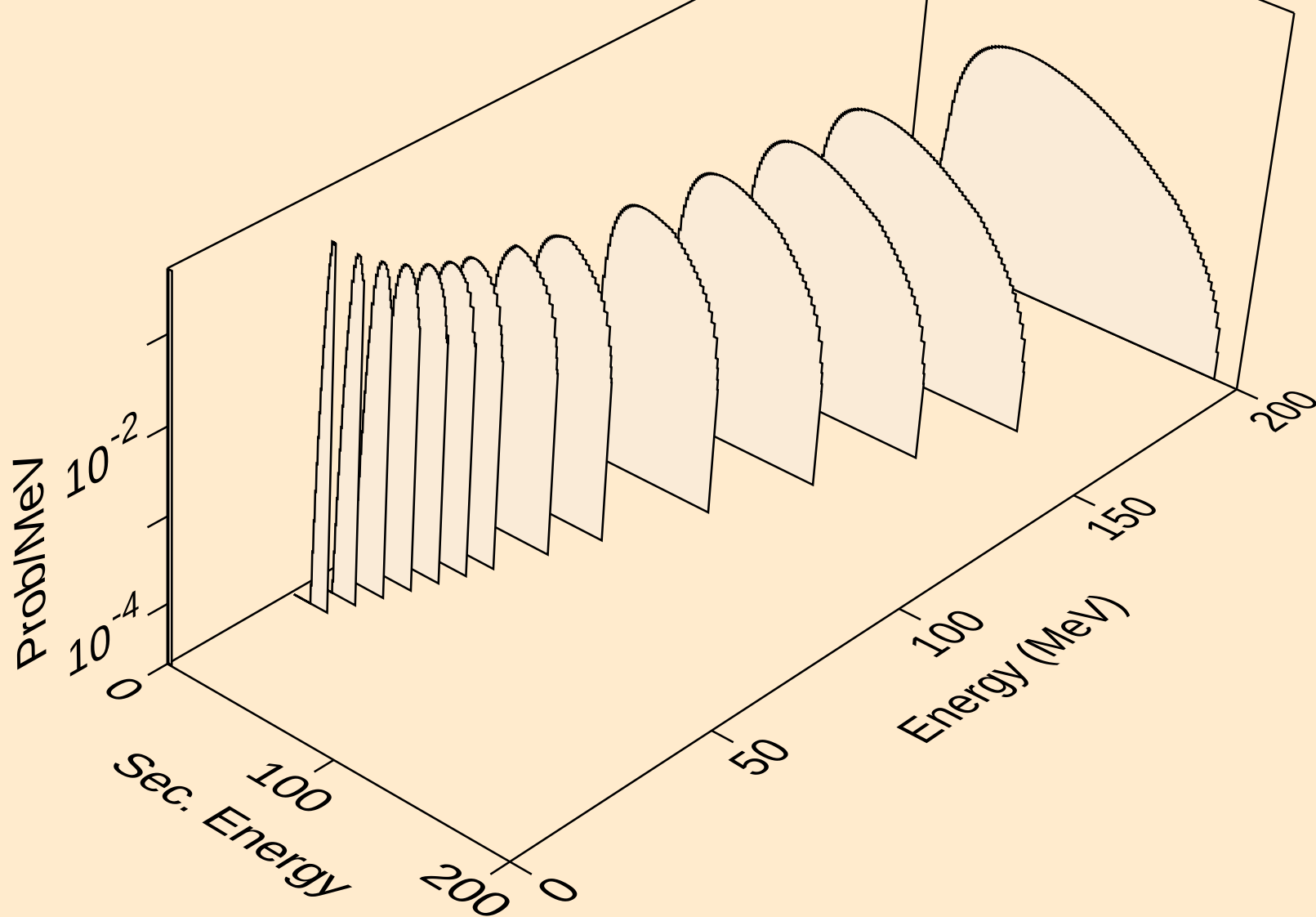
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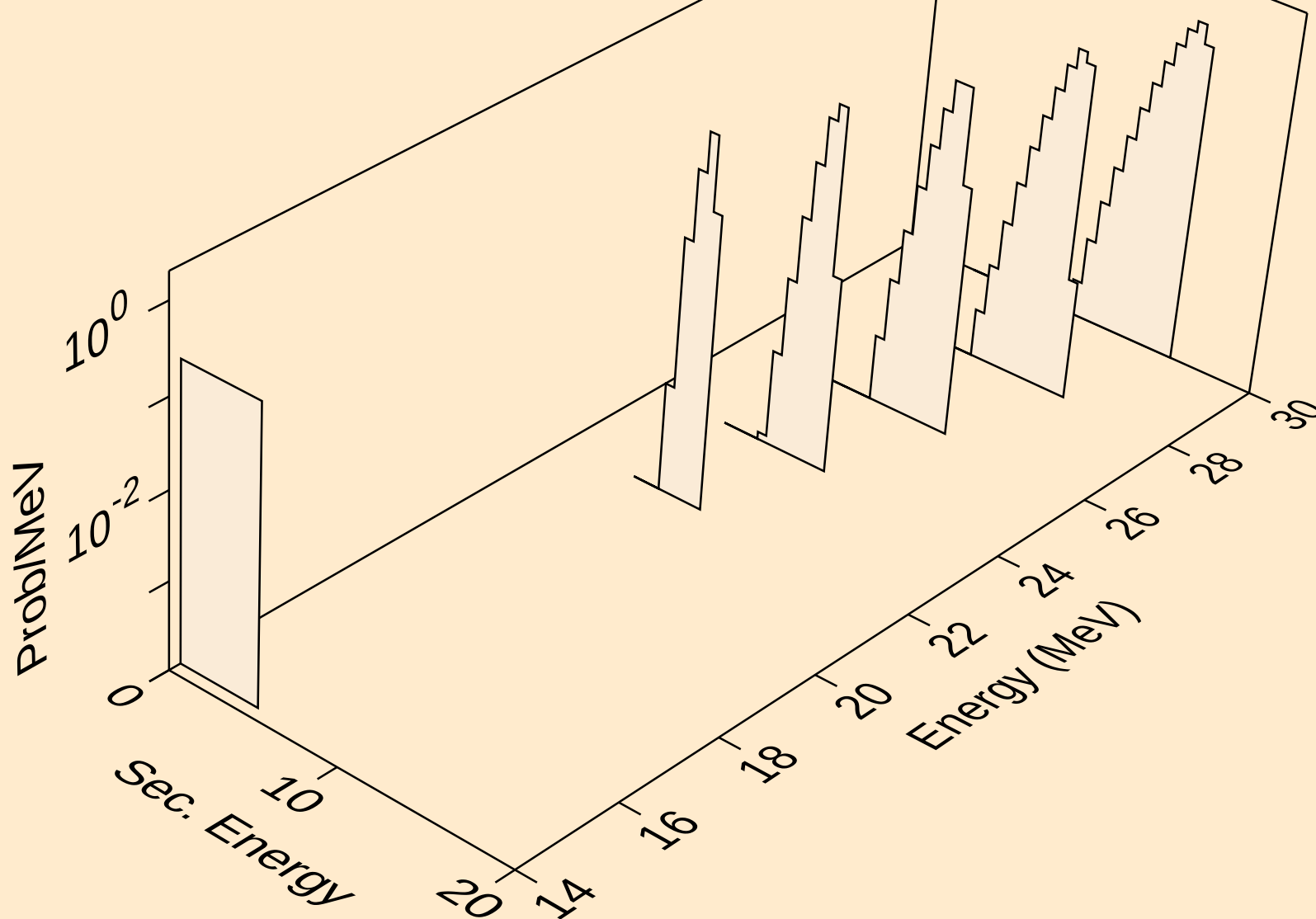
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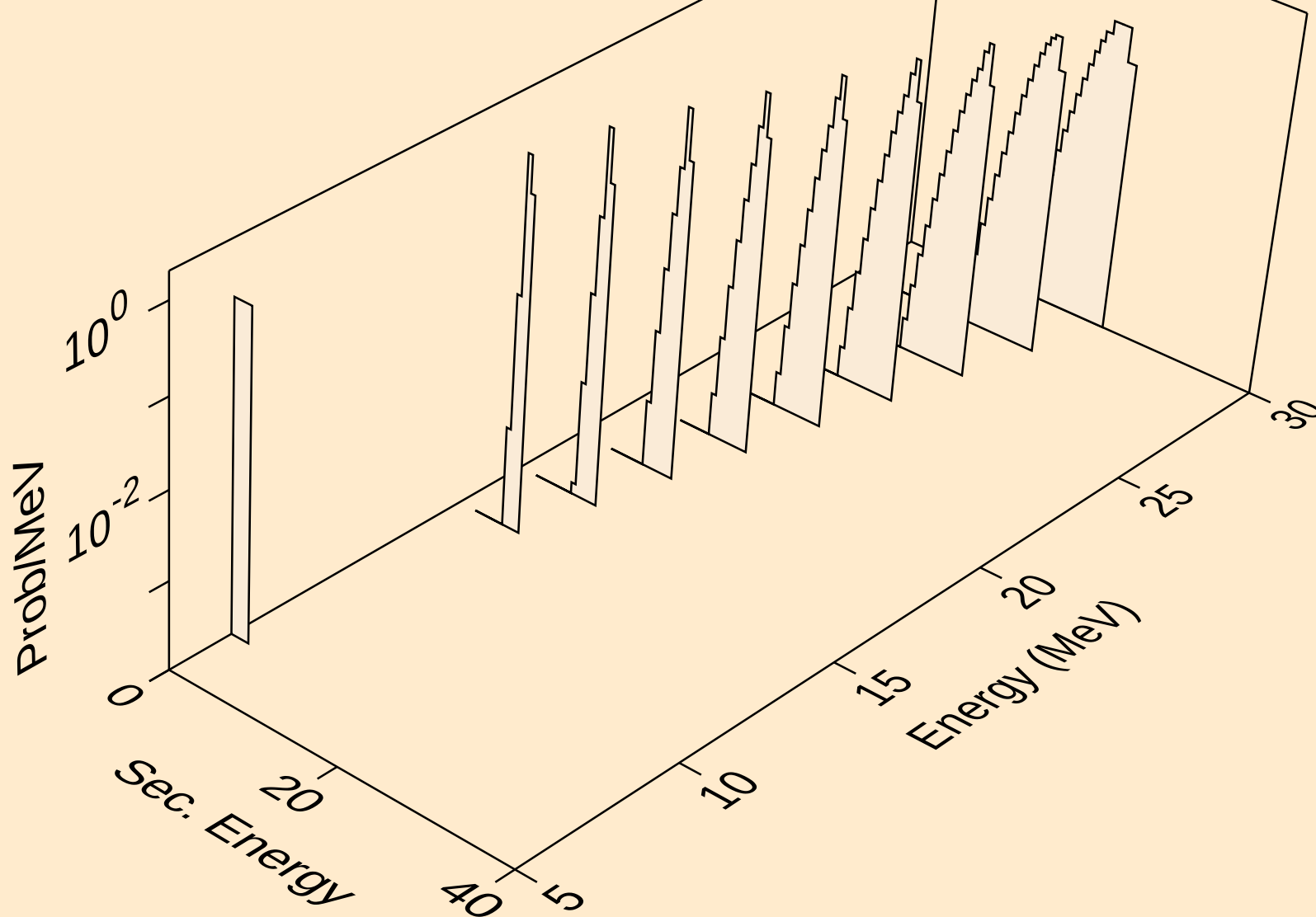
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he3s from (p,x)



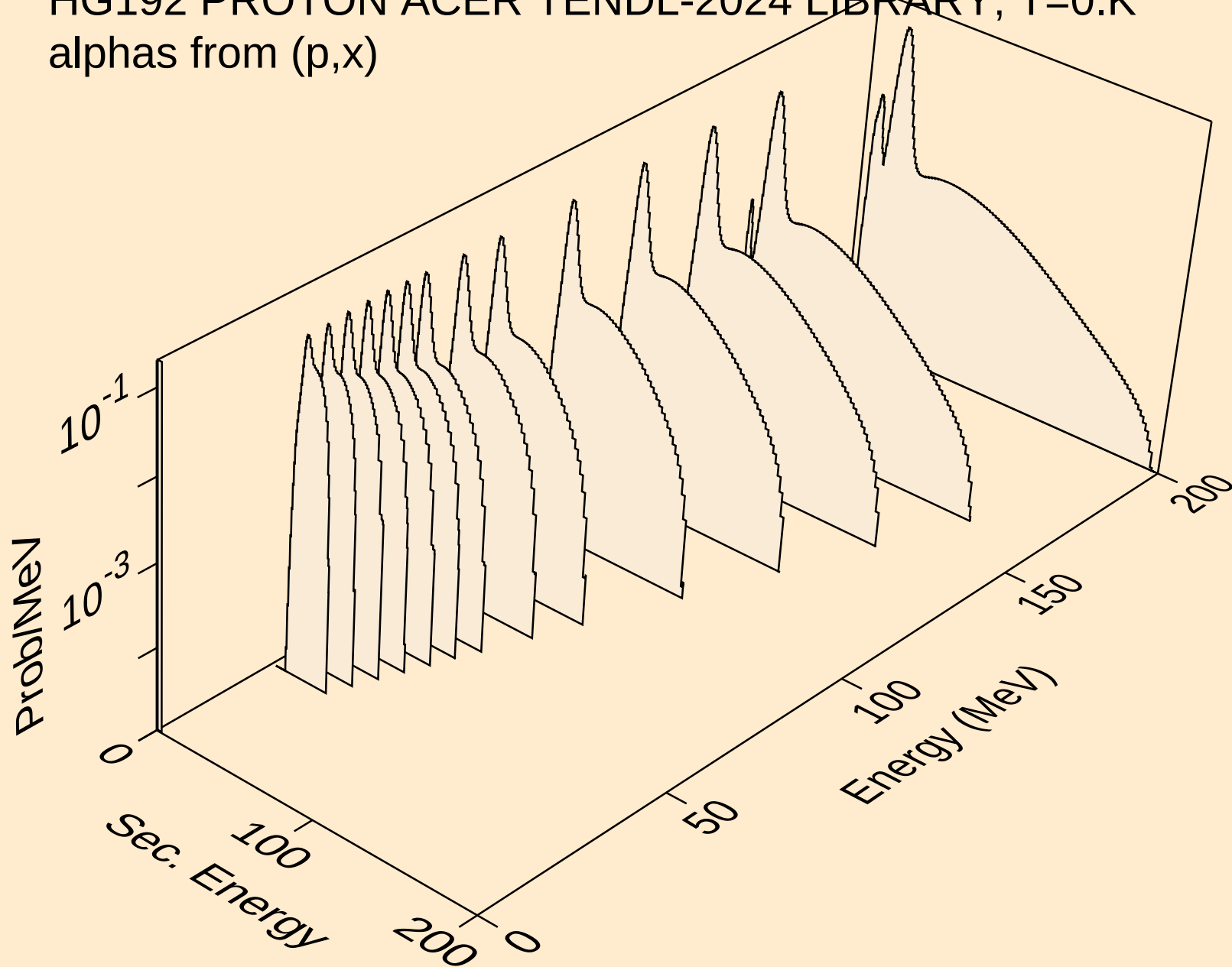
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he3s from (p,n\*)he3



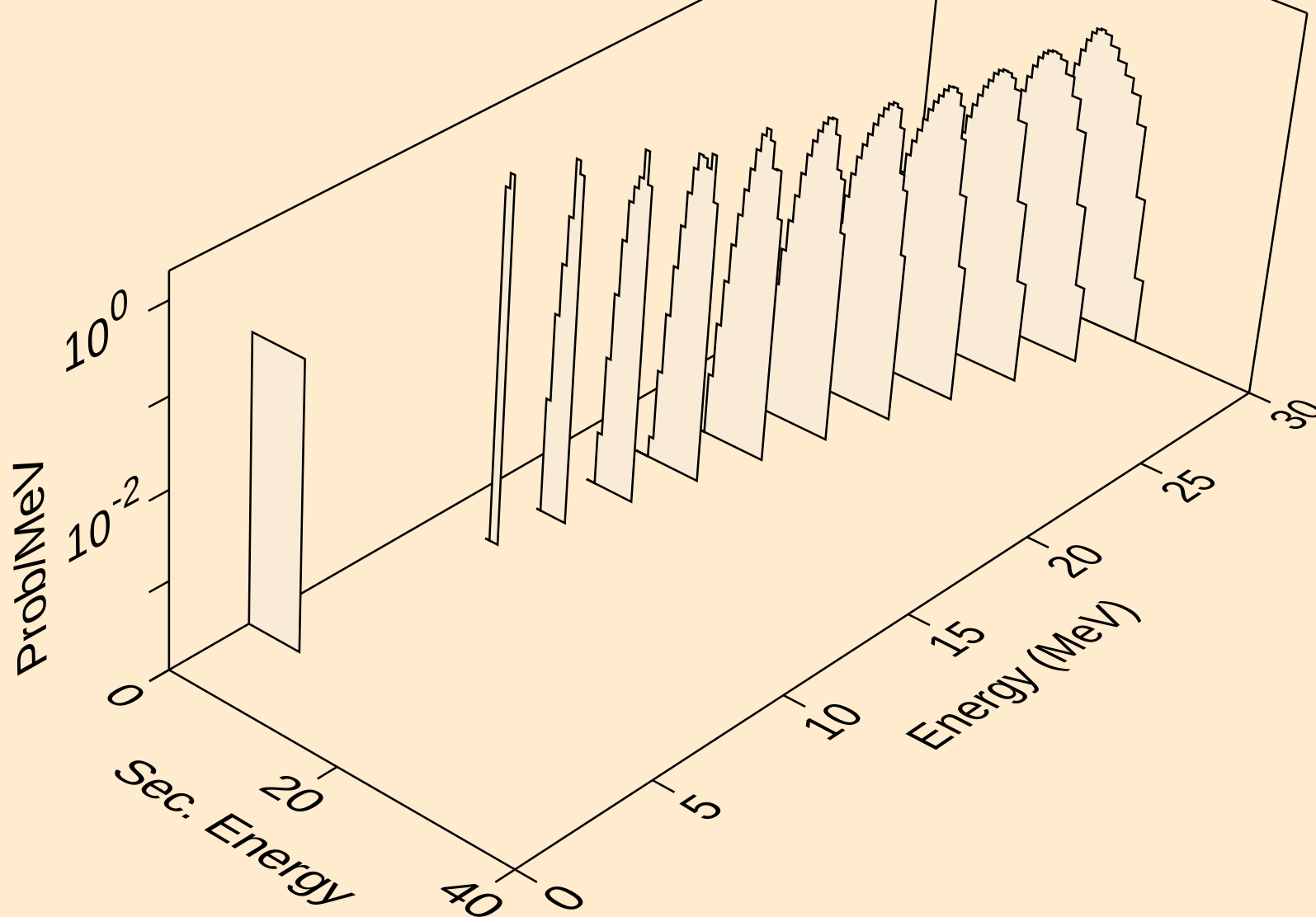
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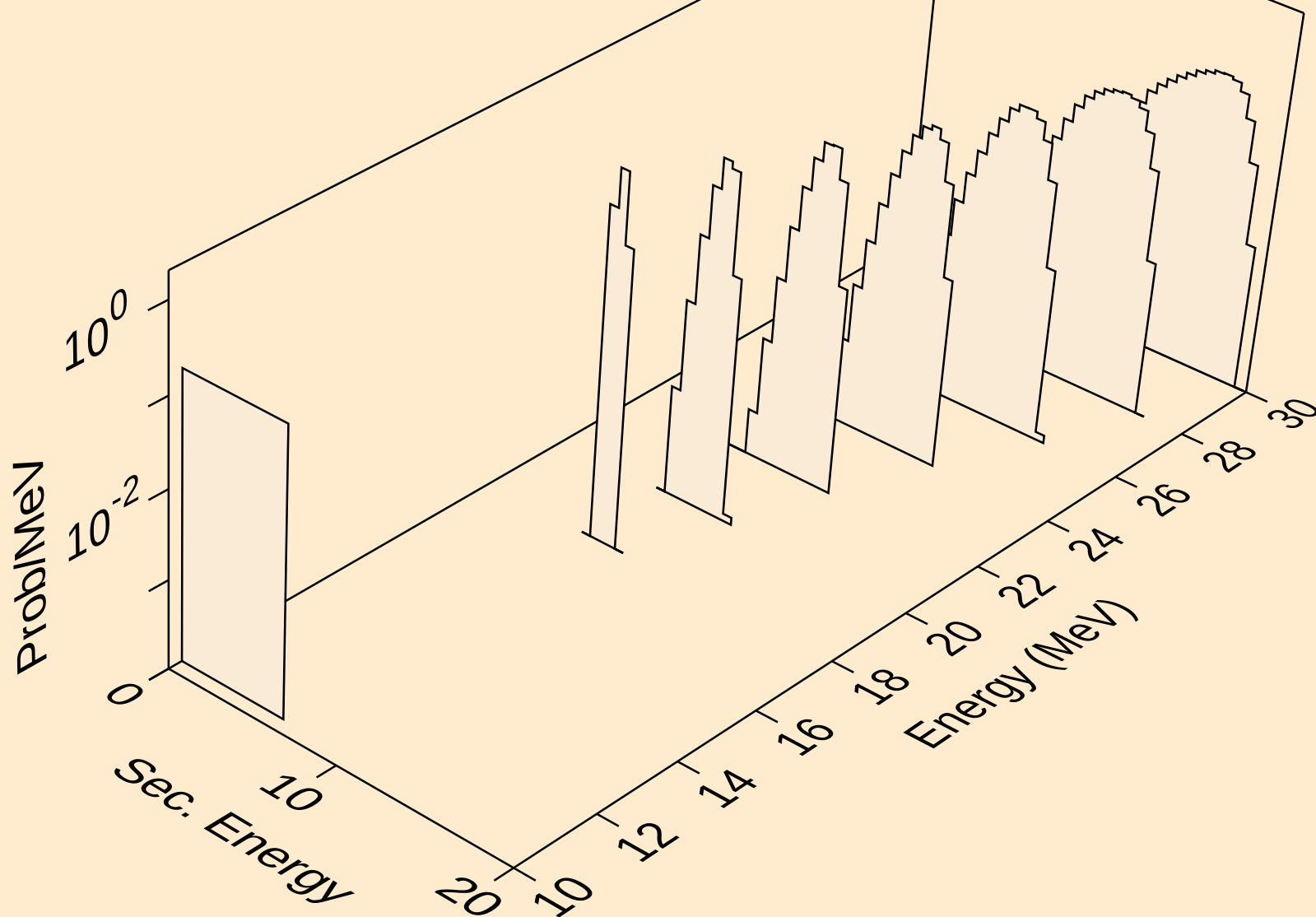
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alphas from (p,x)



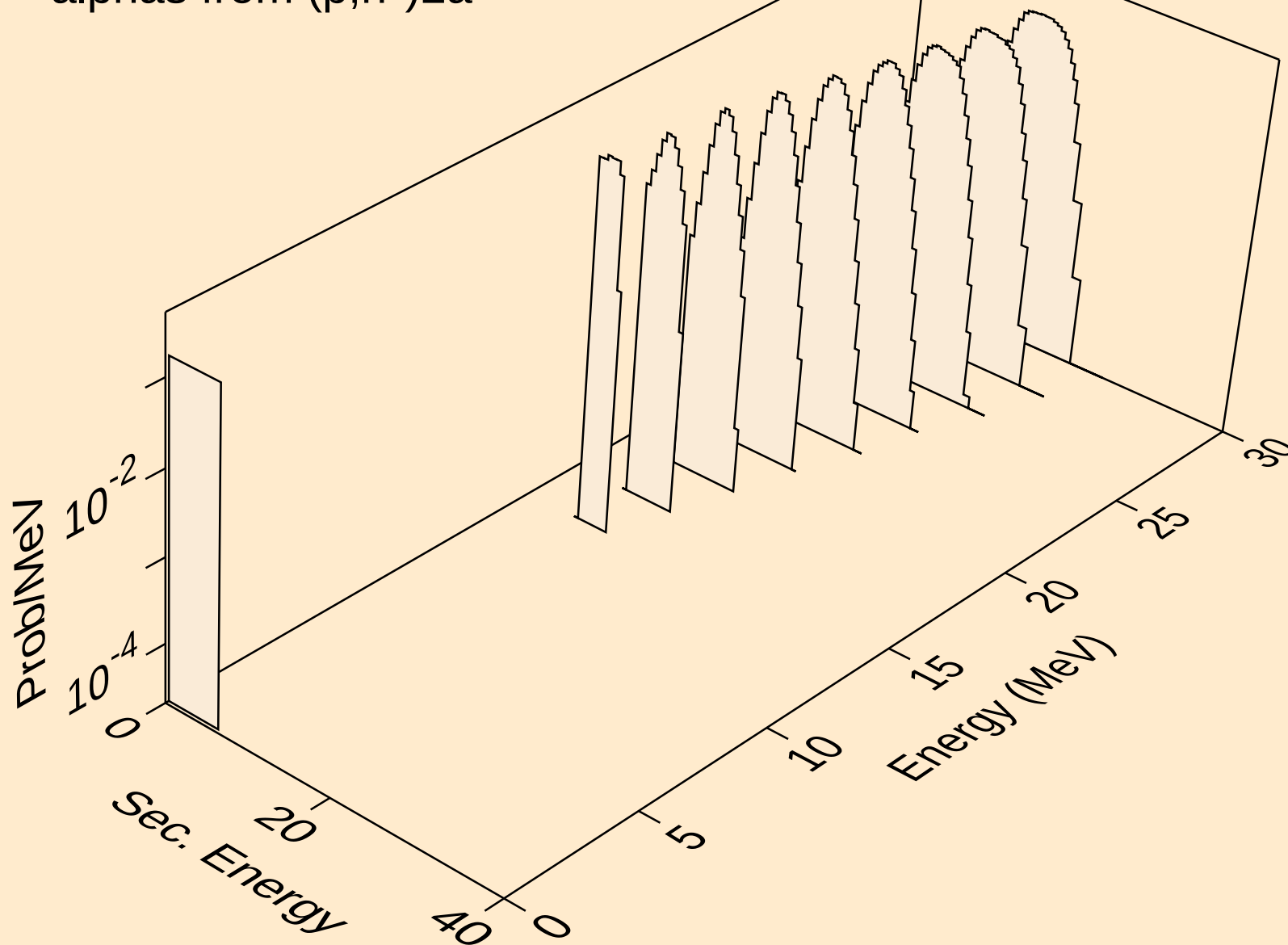
HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,n\*)a



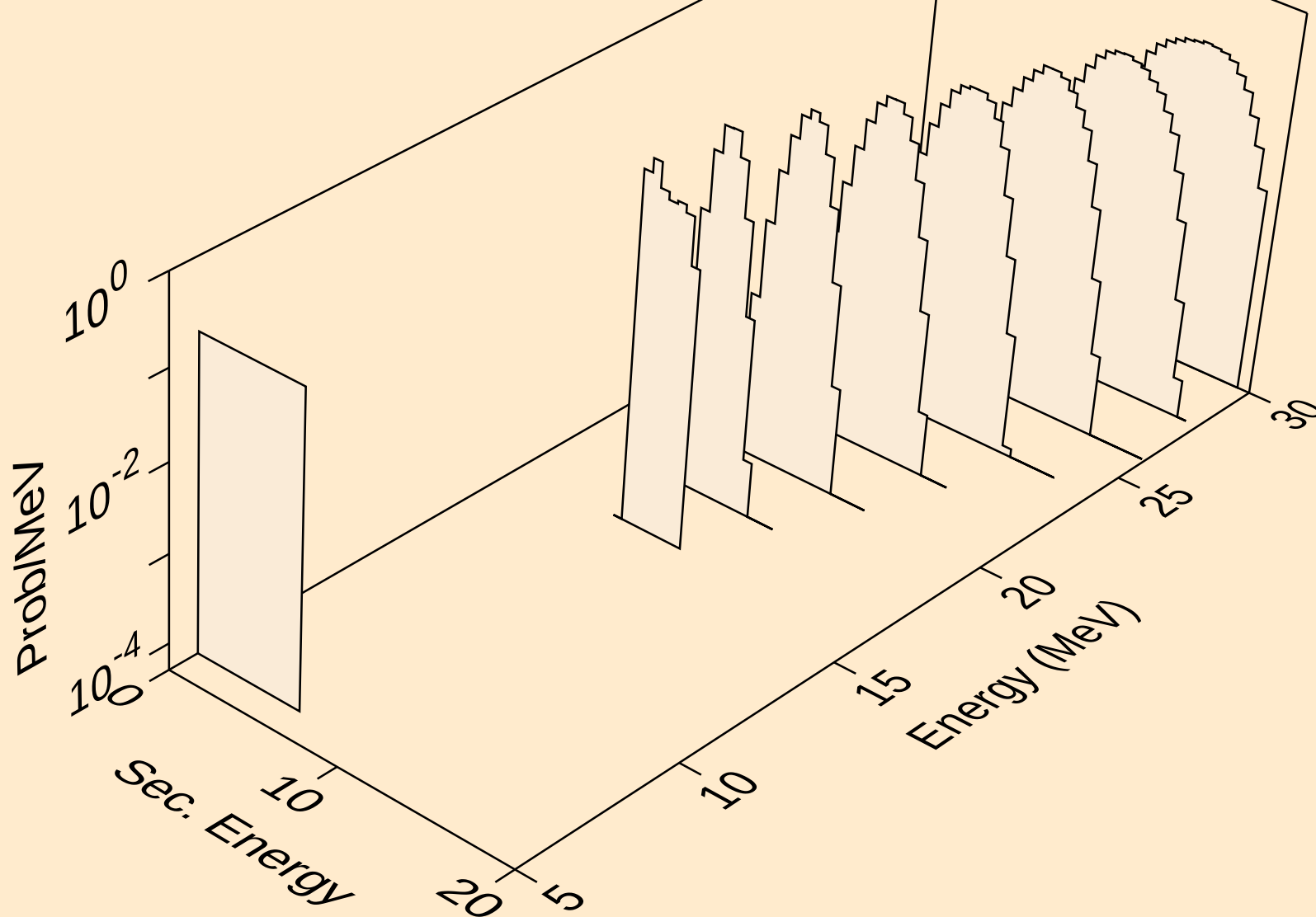
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alphas from (p,2n)a



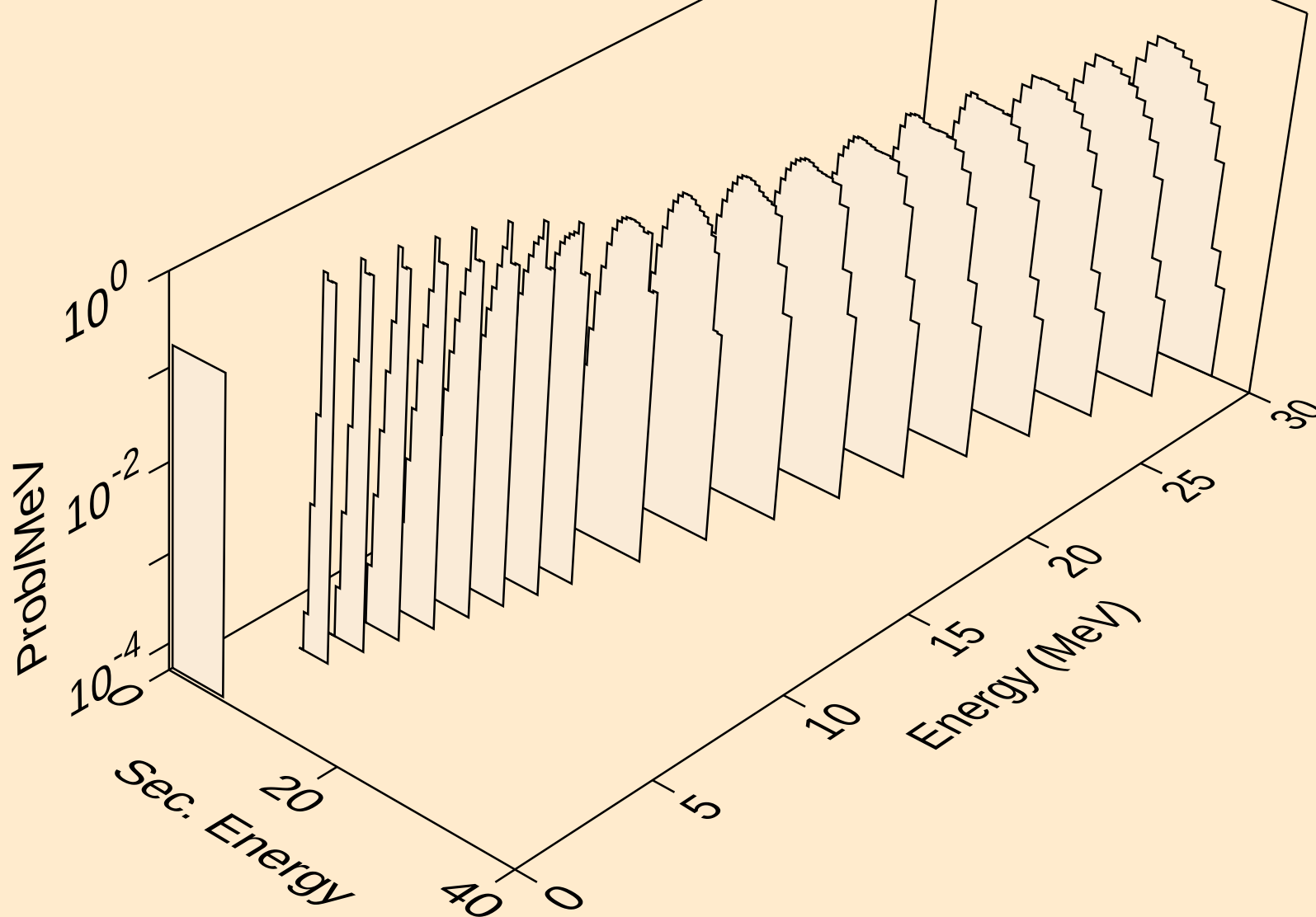
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alphas from (p,n\*)2a



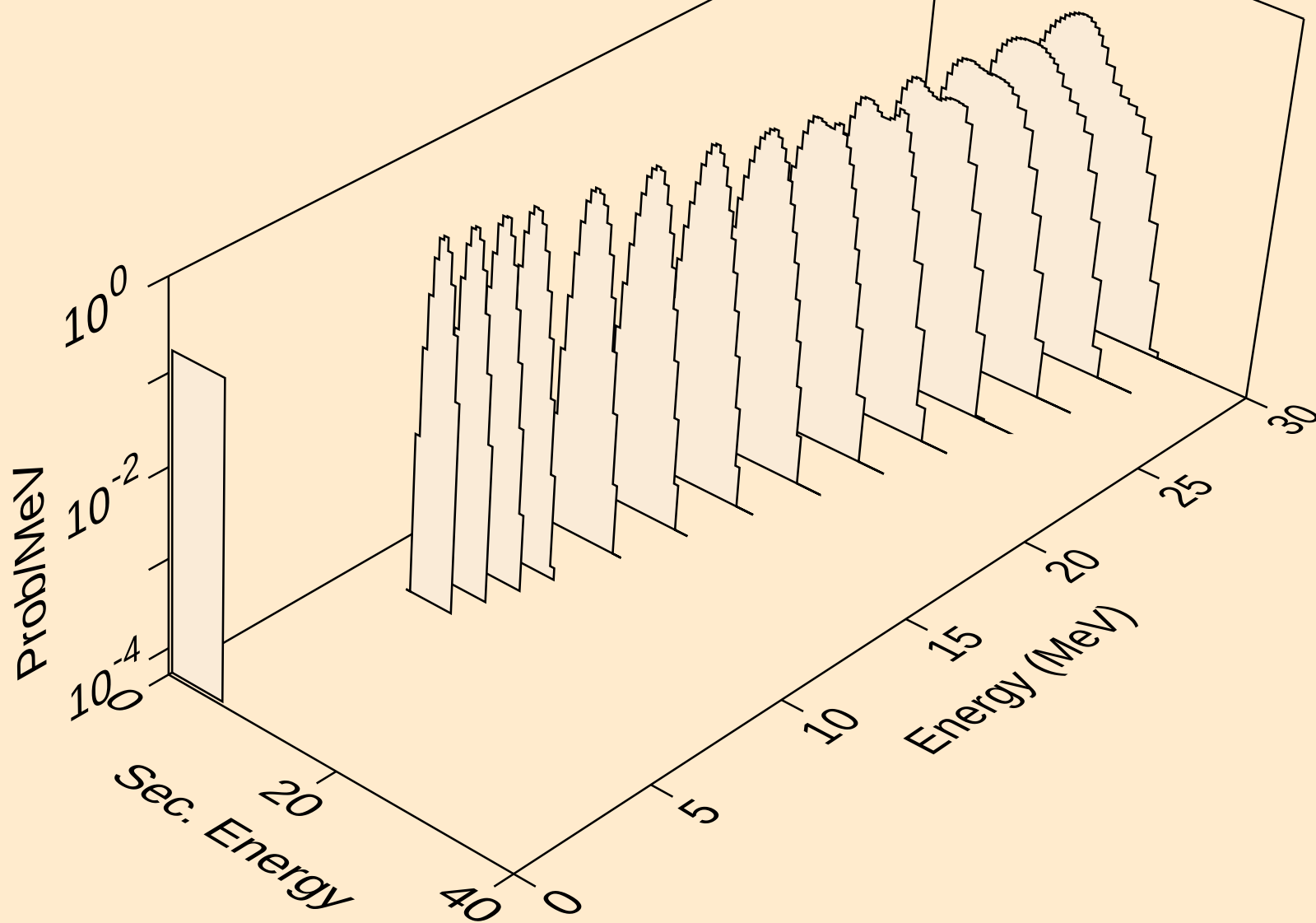
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alphas from (p,npa)



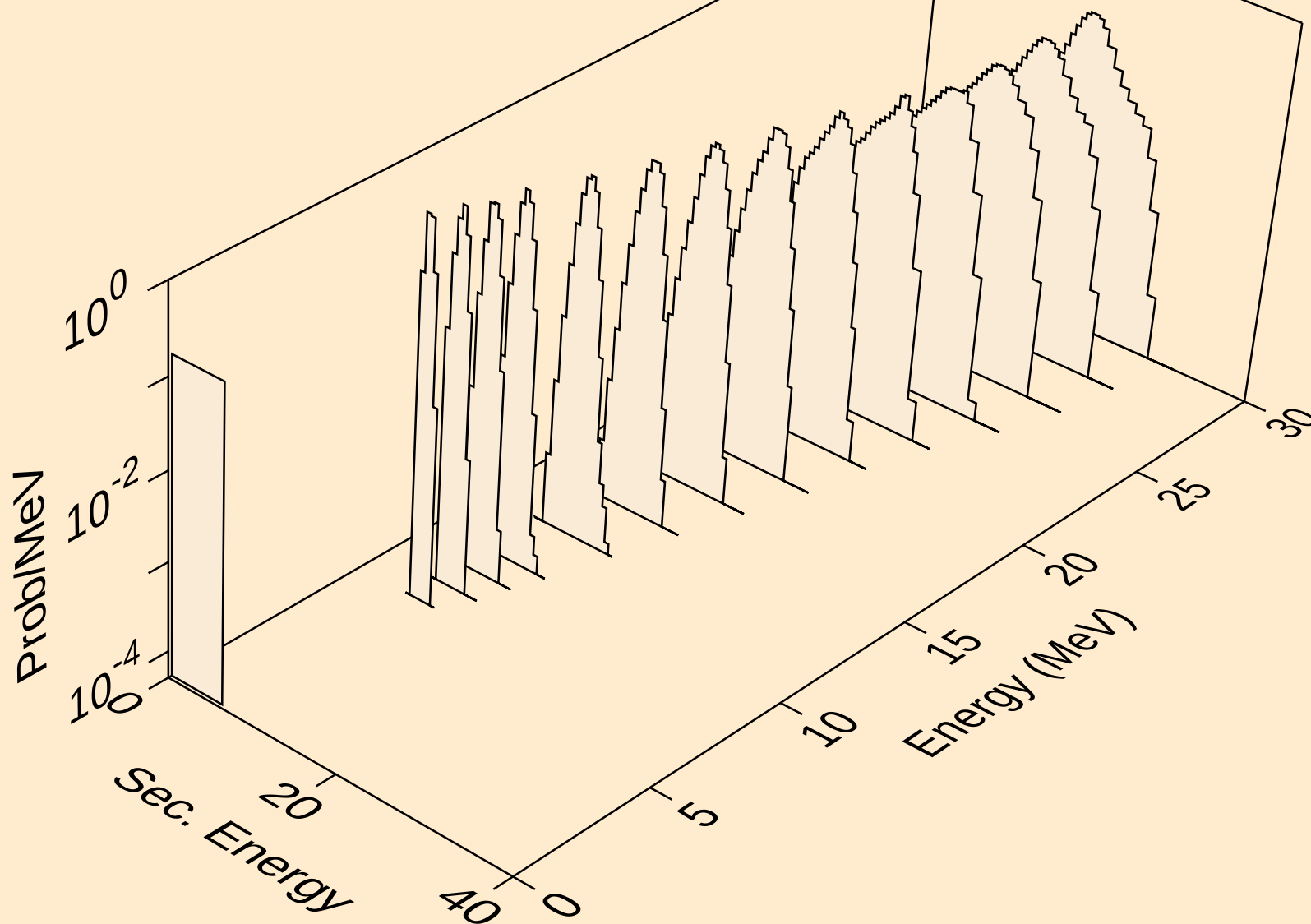
HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,a)



HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,2a)



HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,pa)



HG192 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,da)

