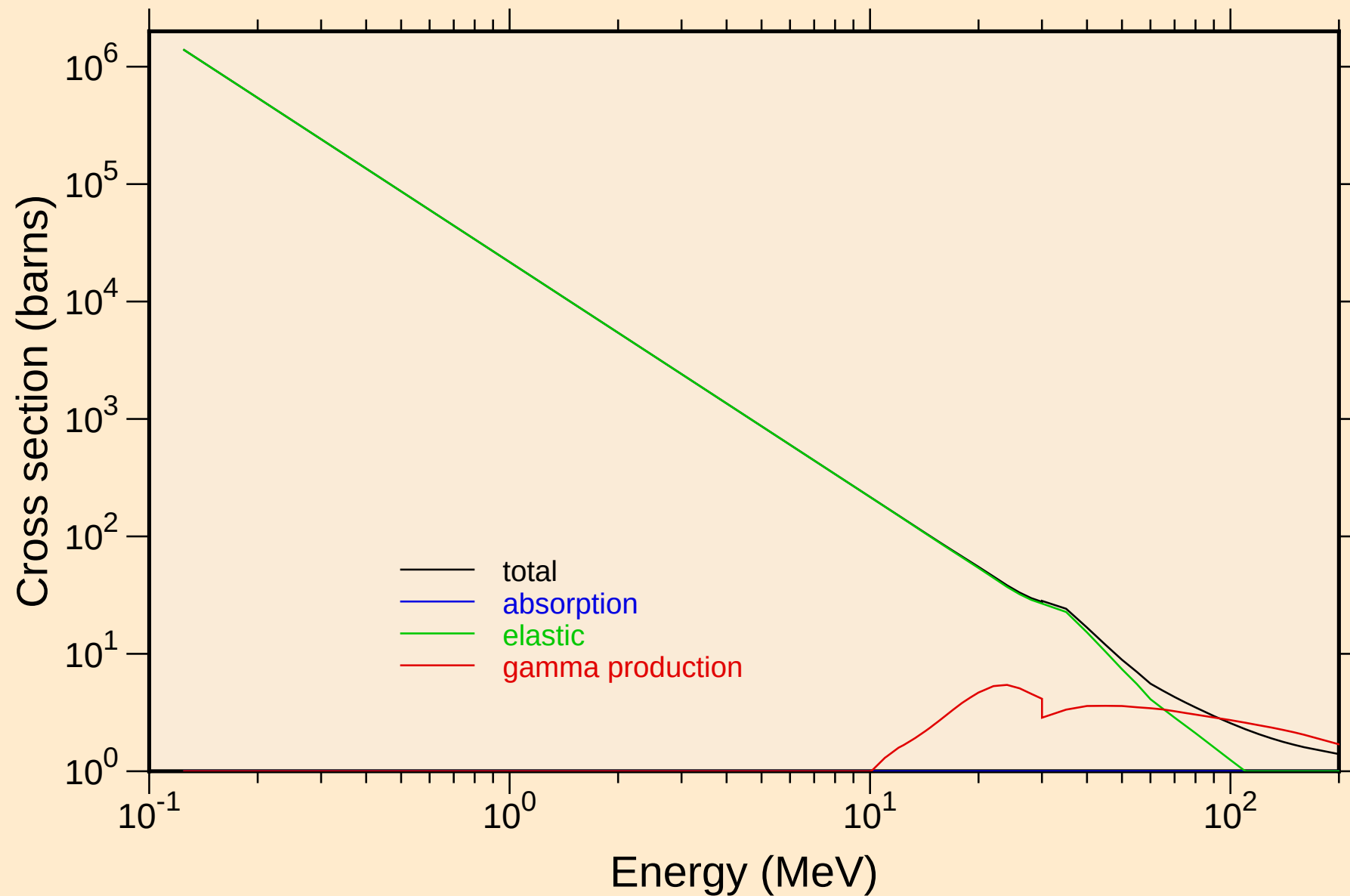


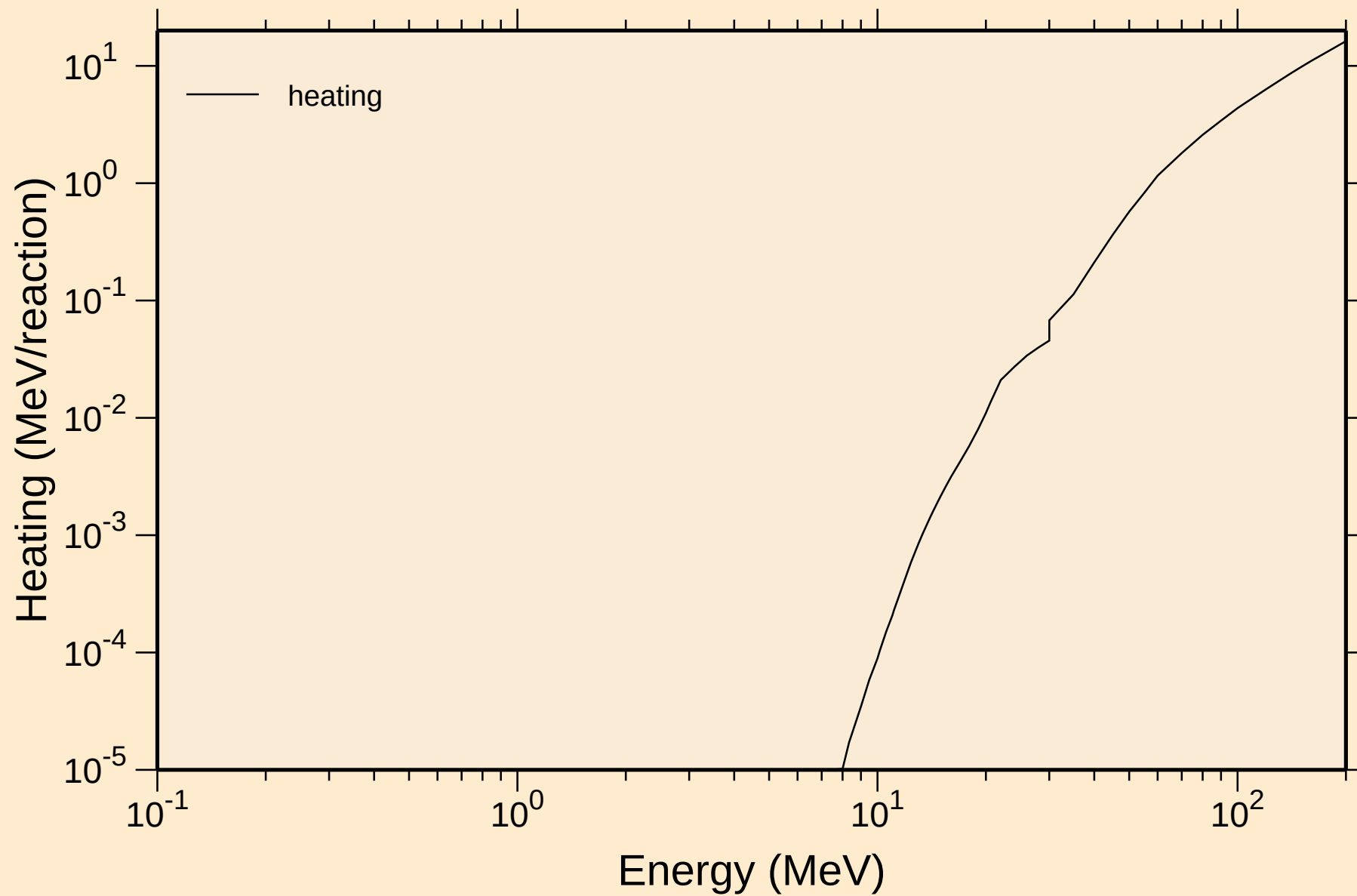
# PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



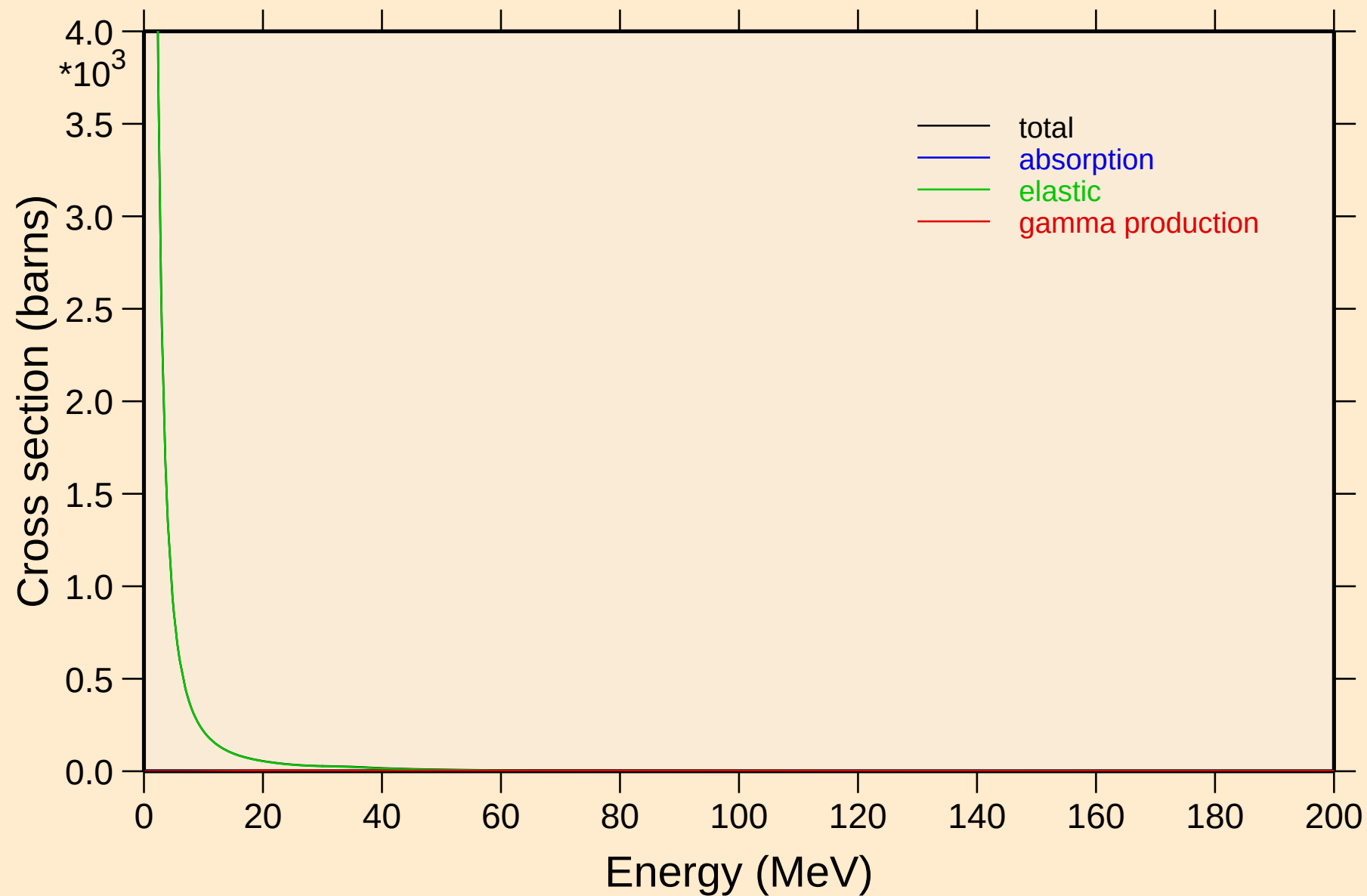
# PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Heating



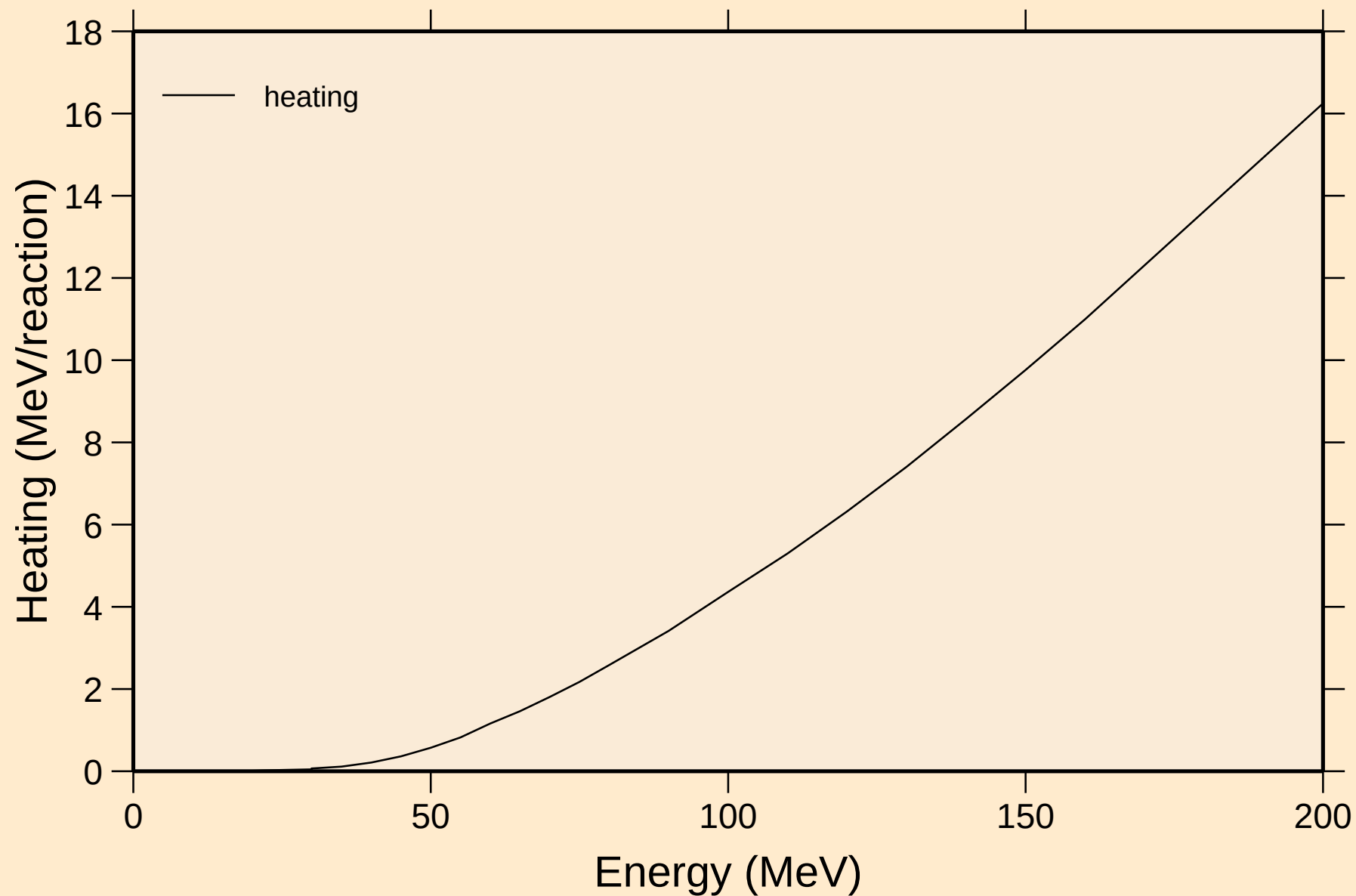
# PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



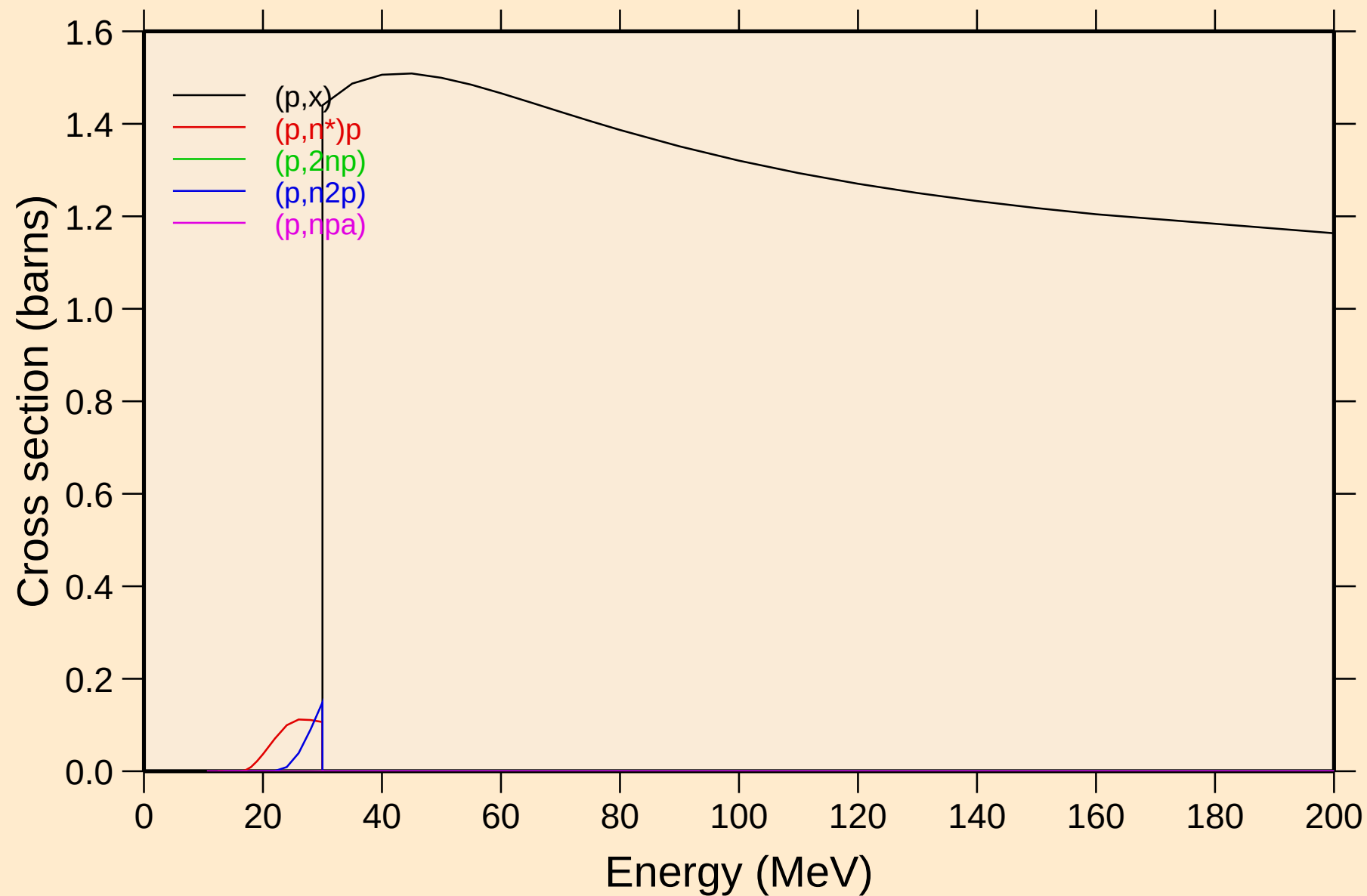
# PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Heating

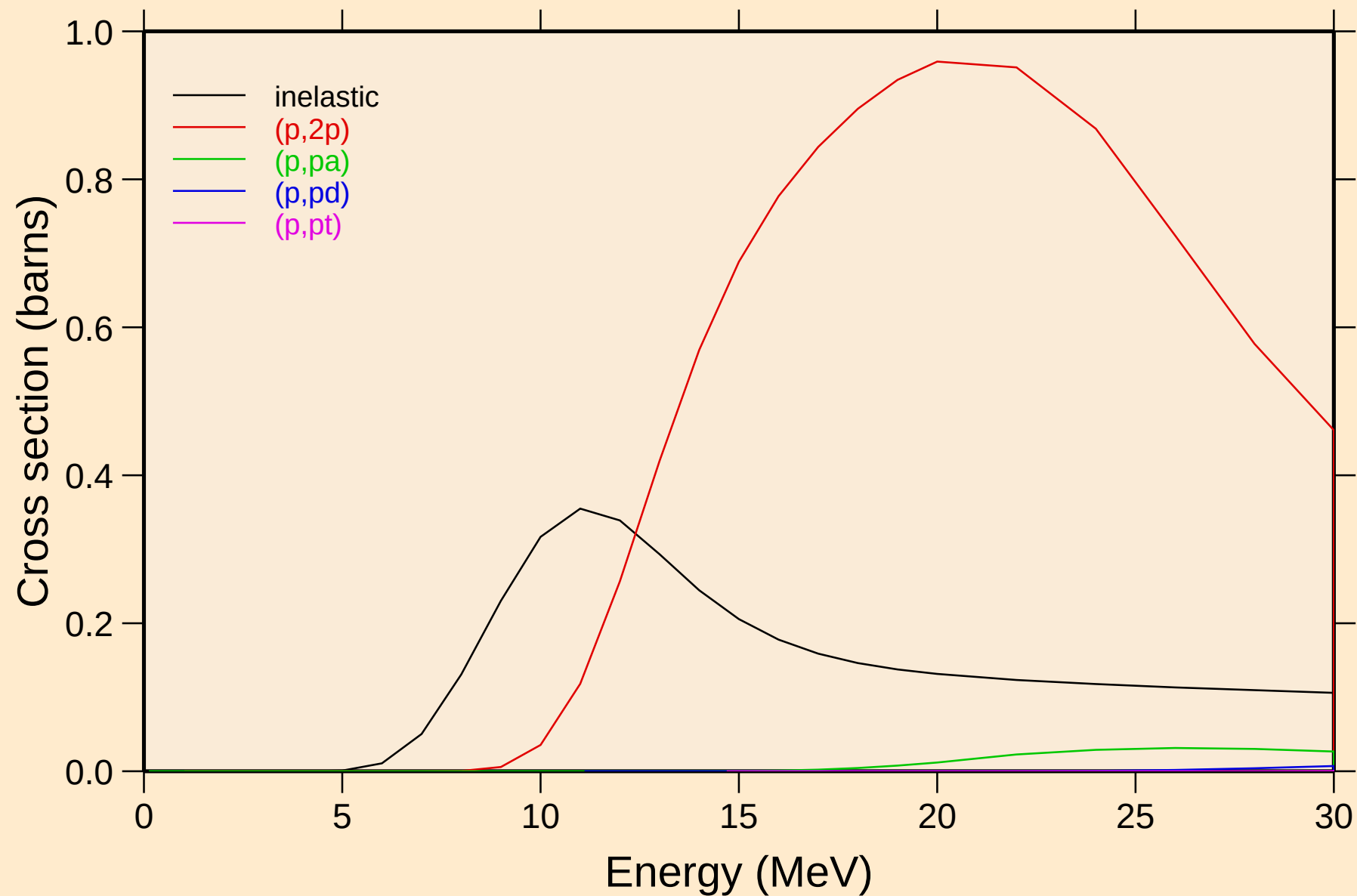


# PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

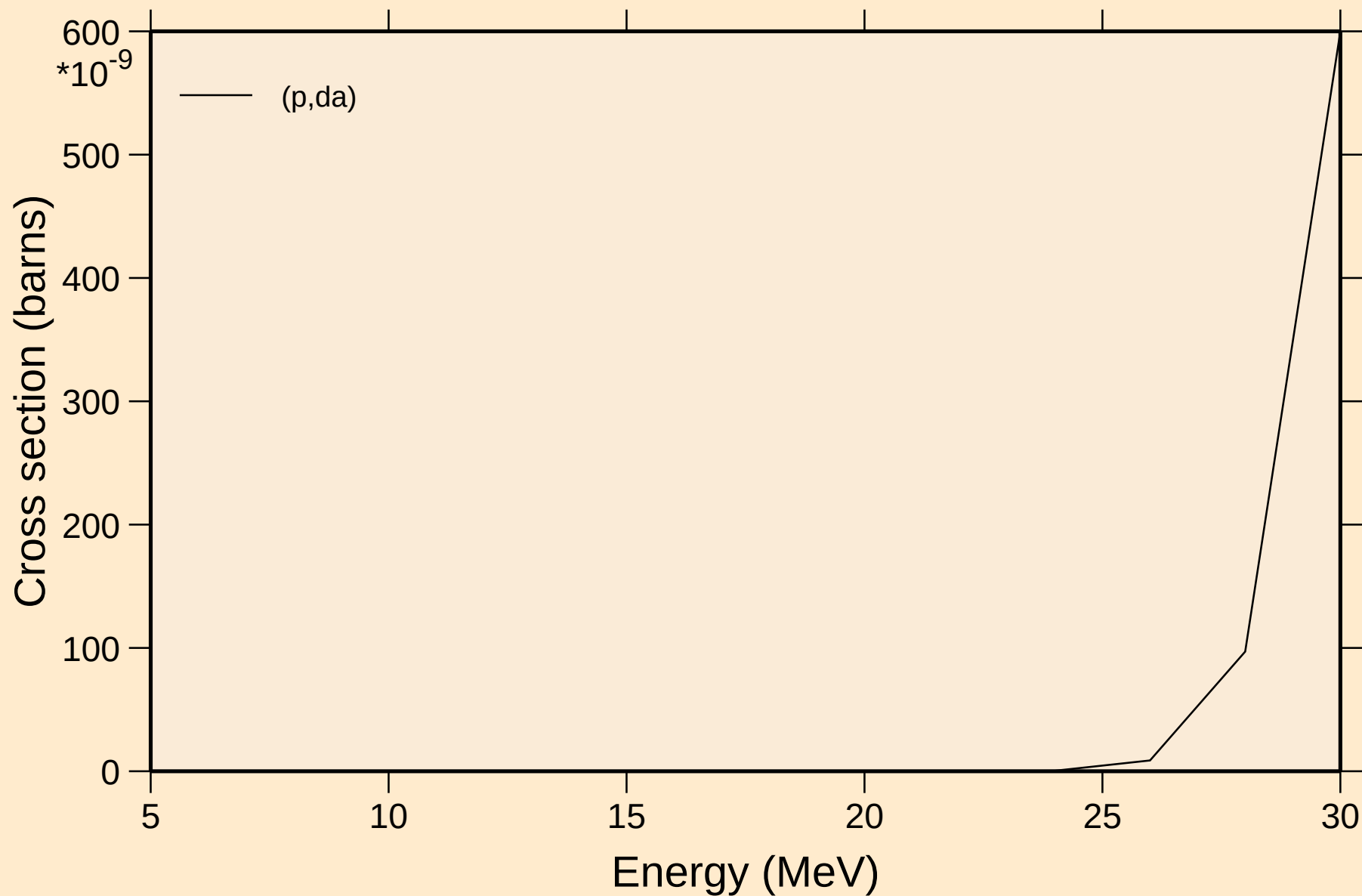


PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

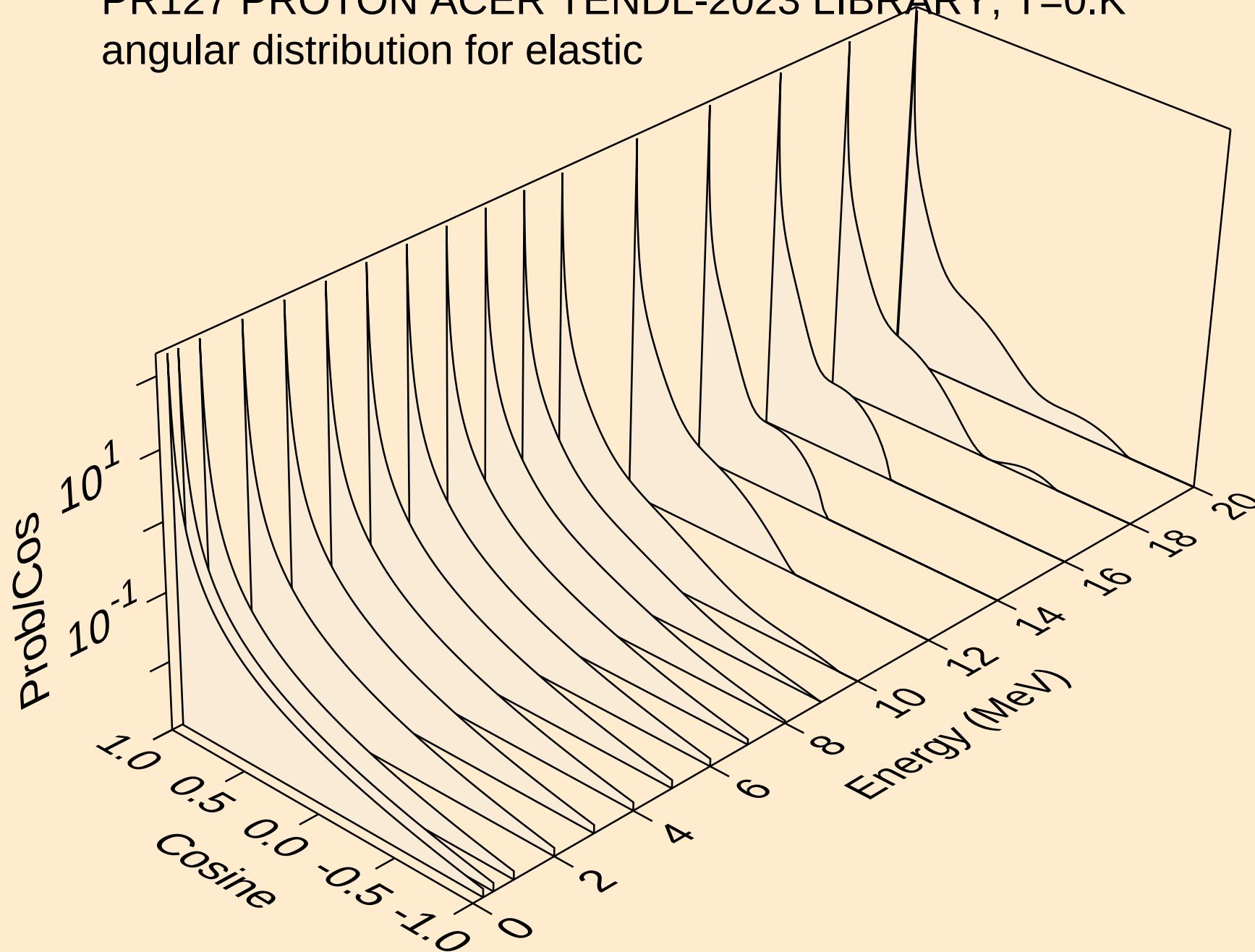


# PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

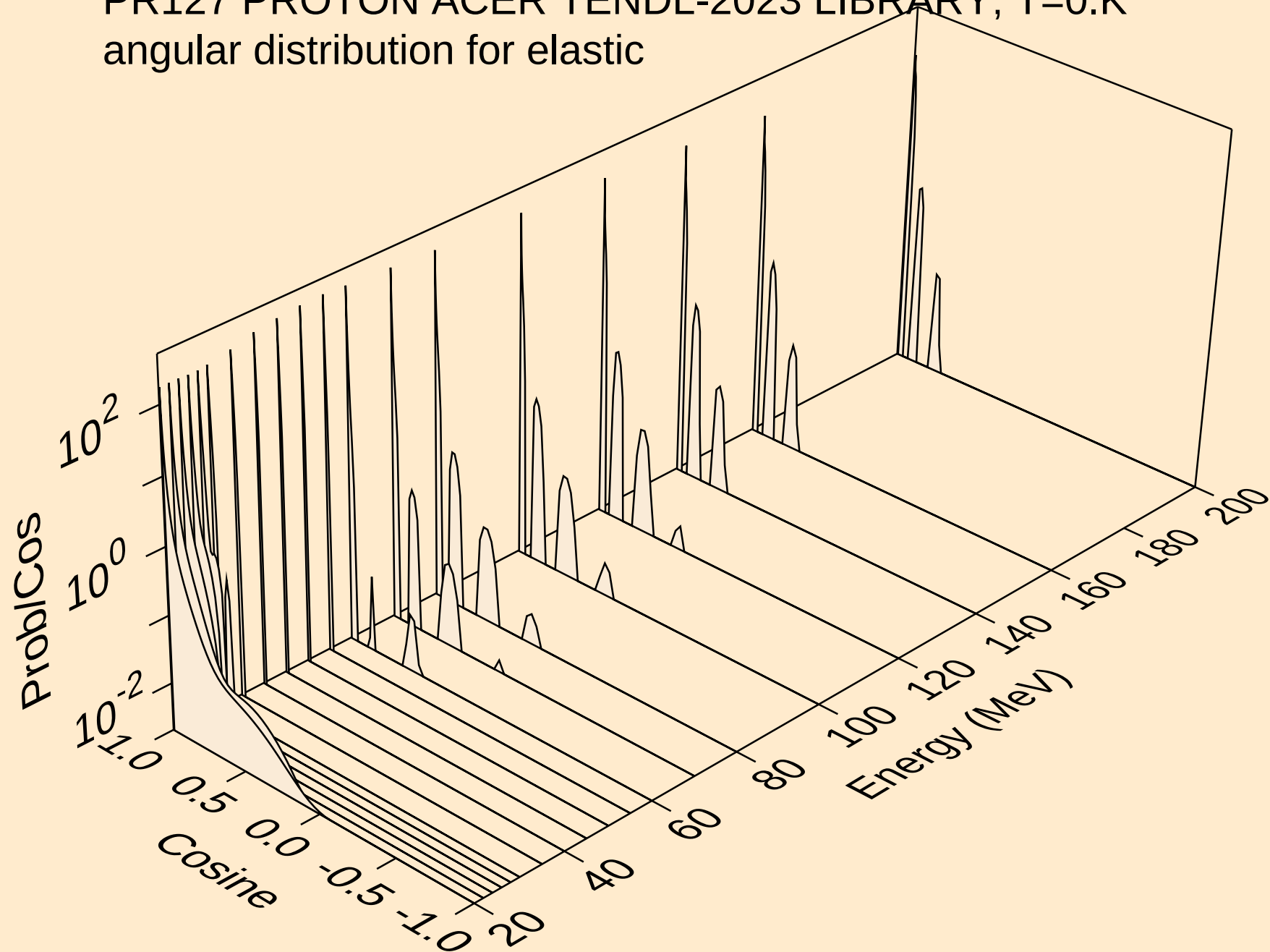


PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

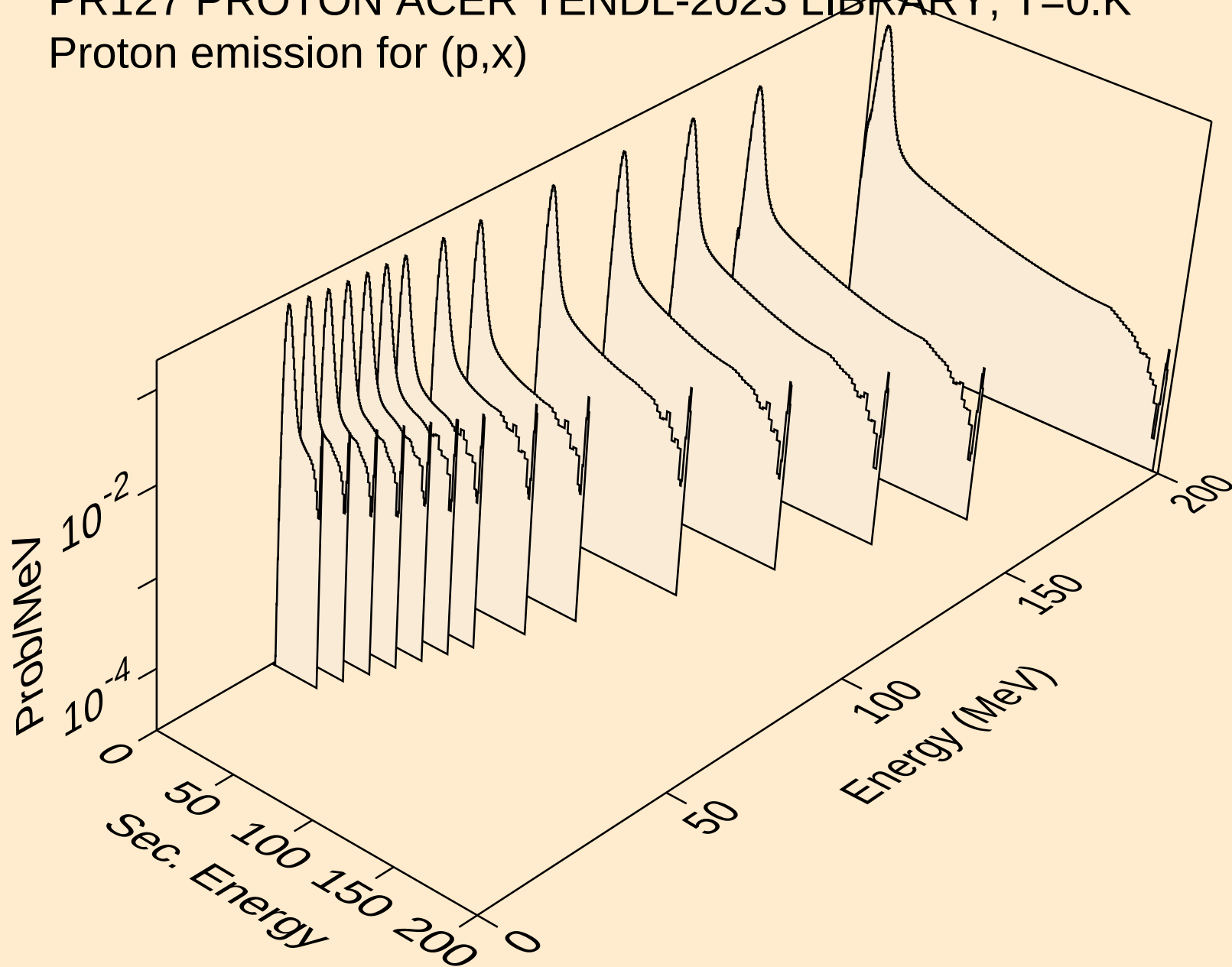




PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

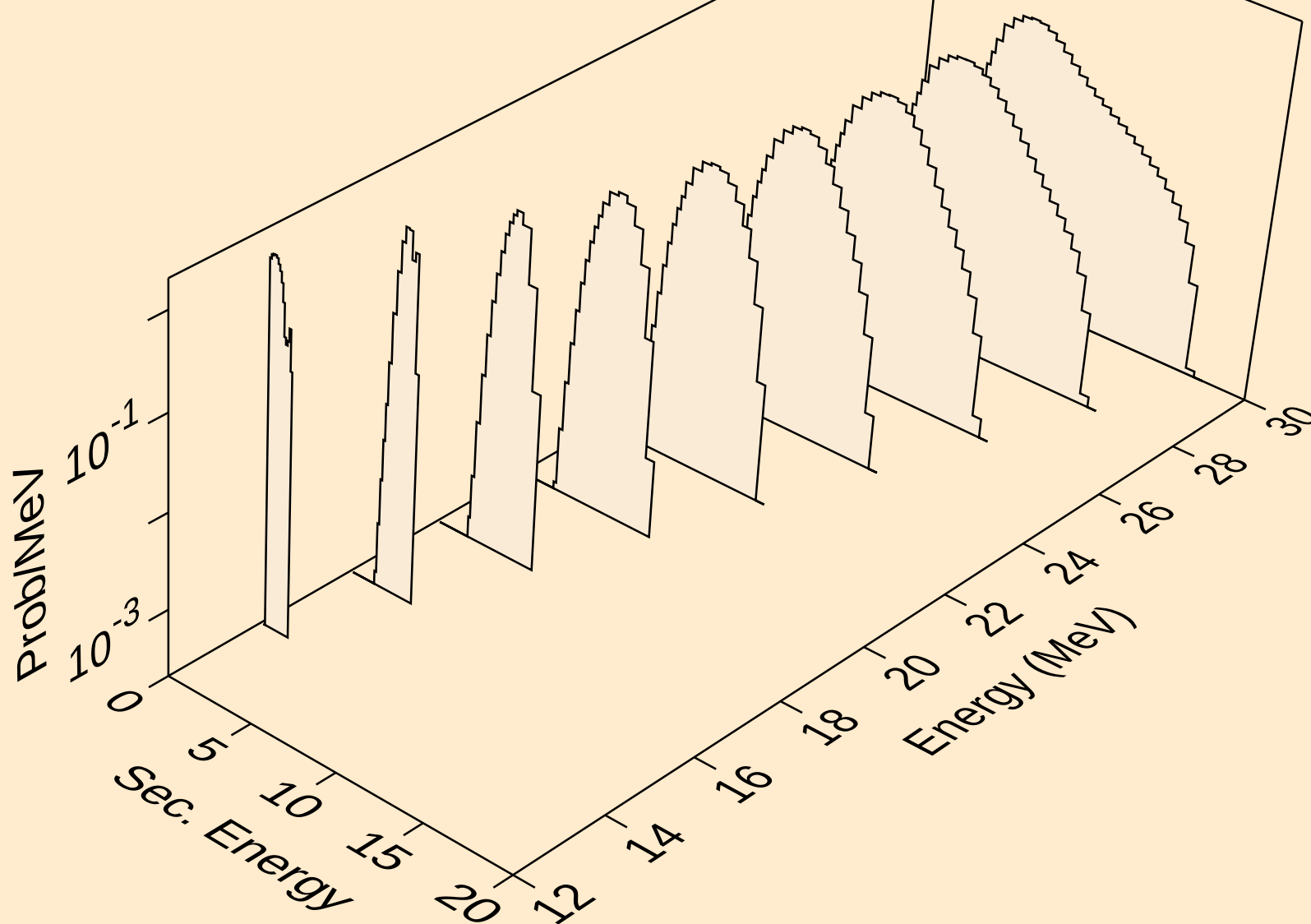


PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)

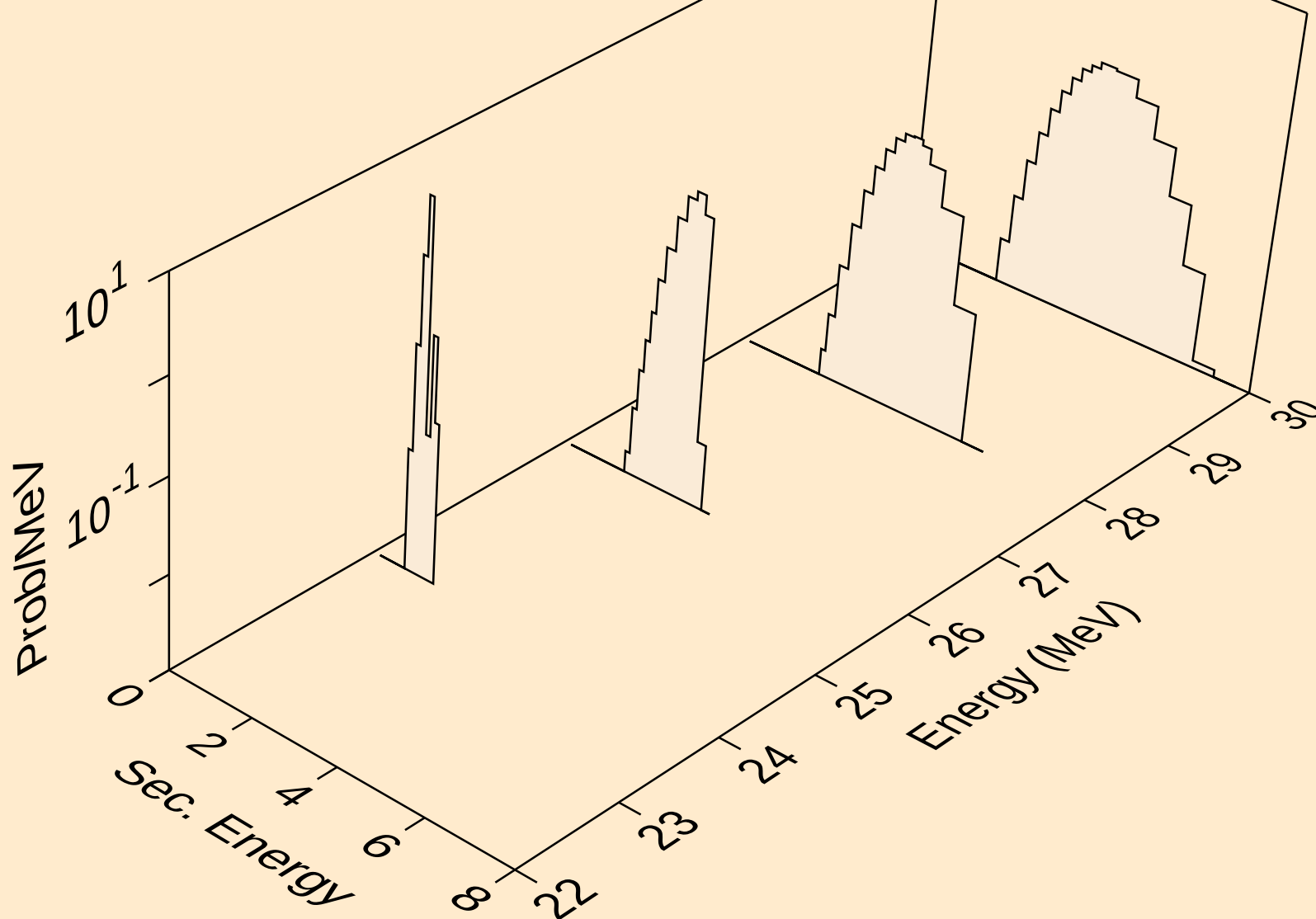


PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K

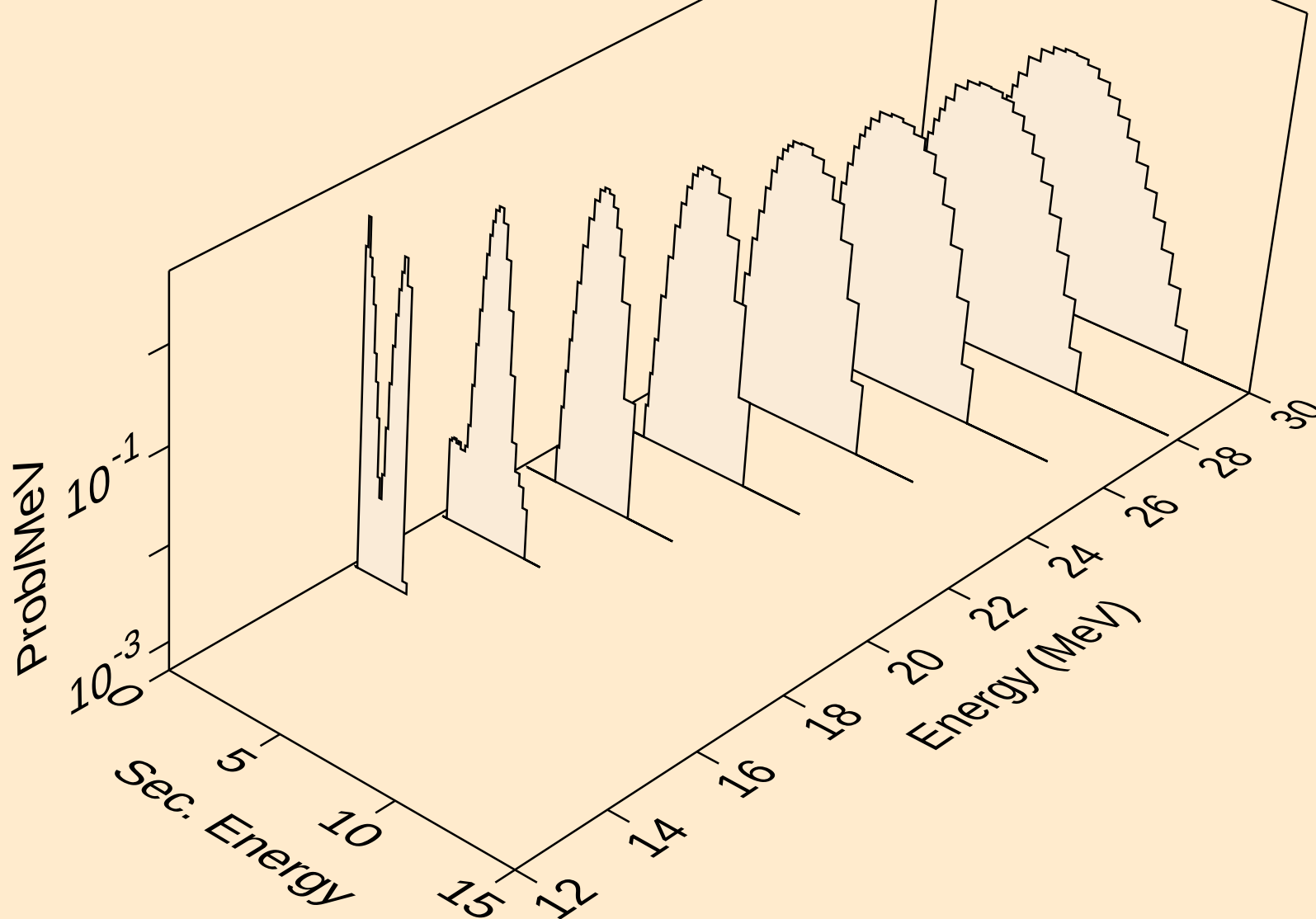
Proton emission for (p,n\*)p



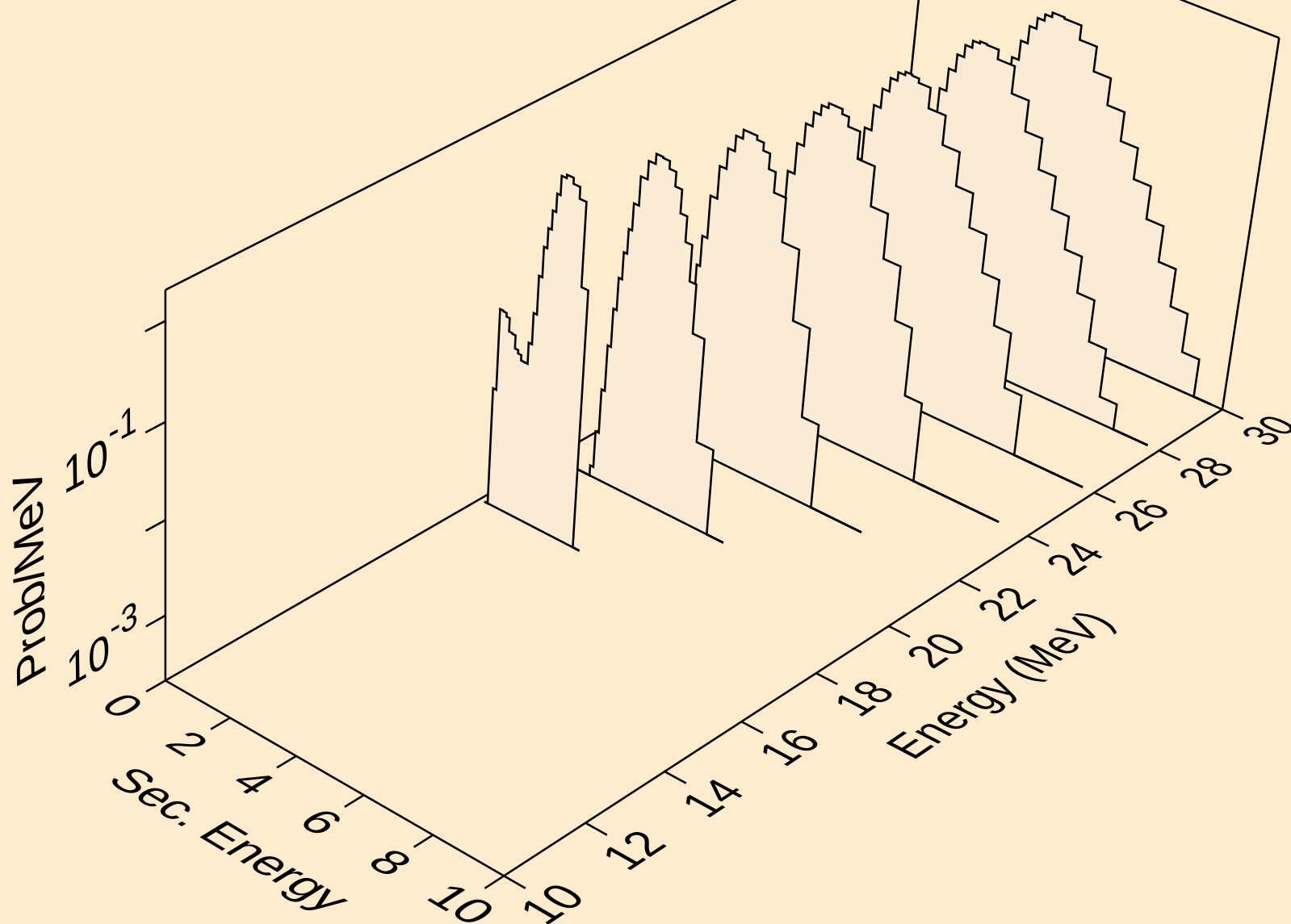
PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



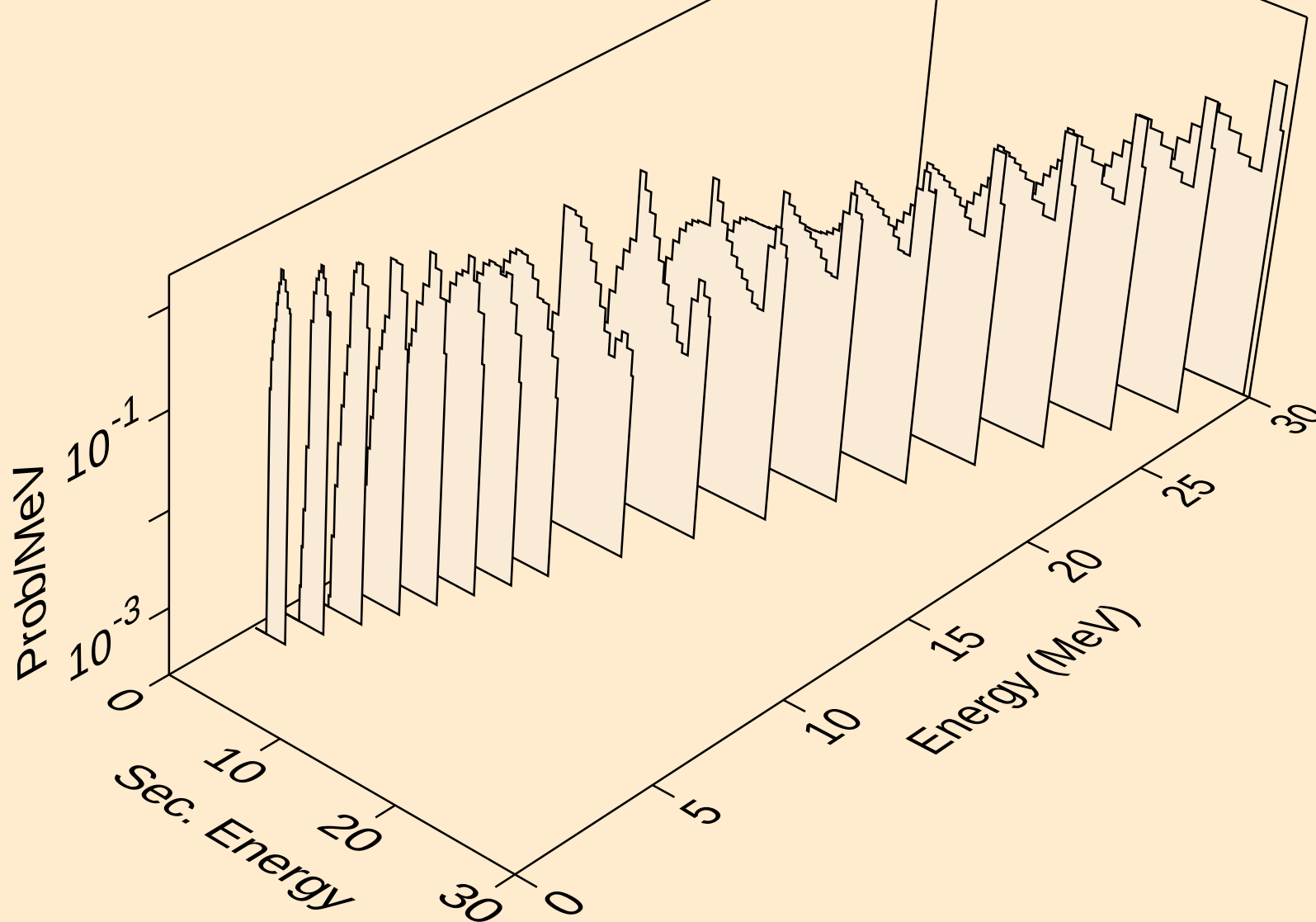
PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n2p)



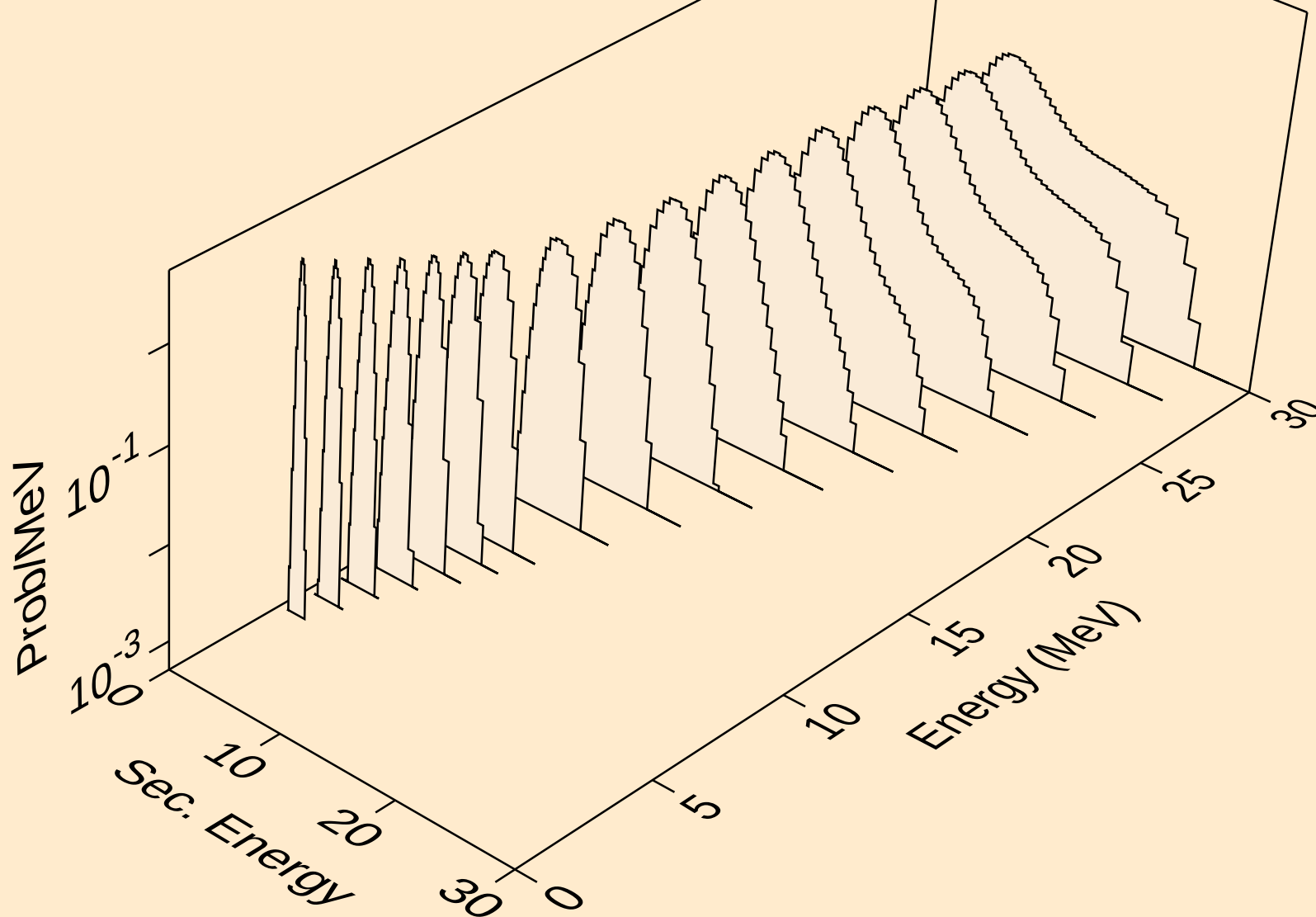
PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,npa)



PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic

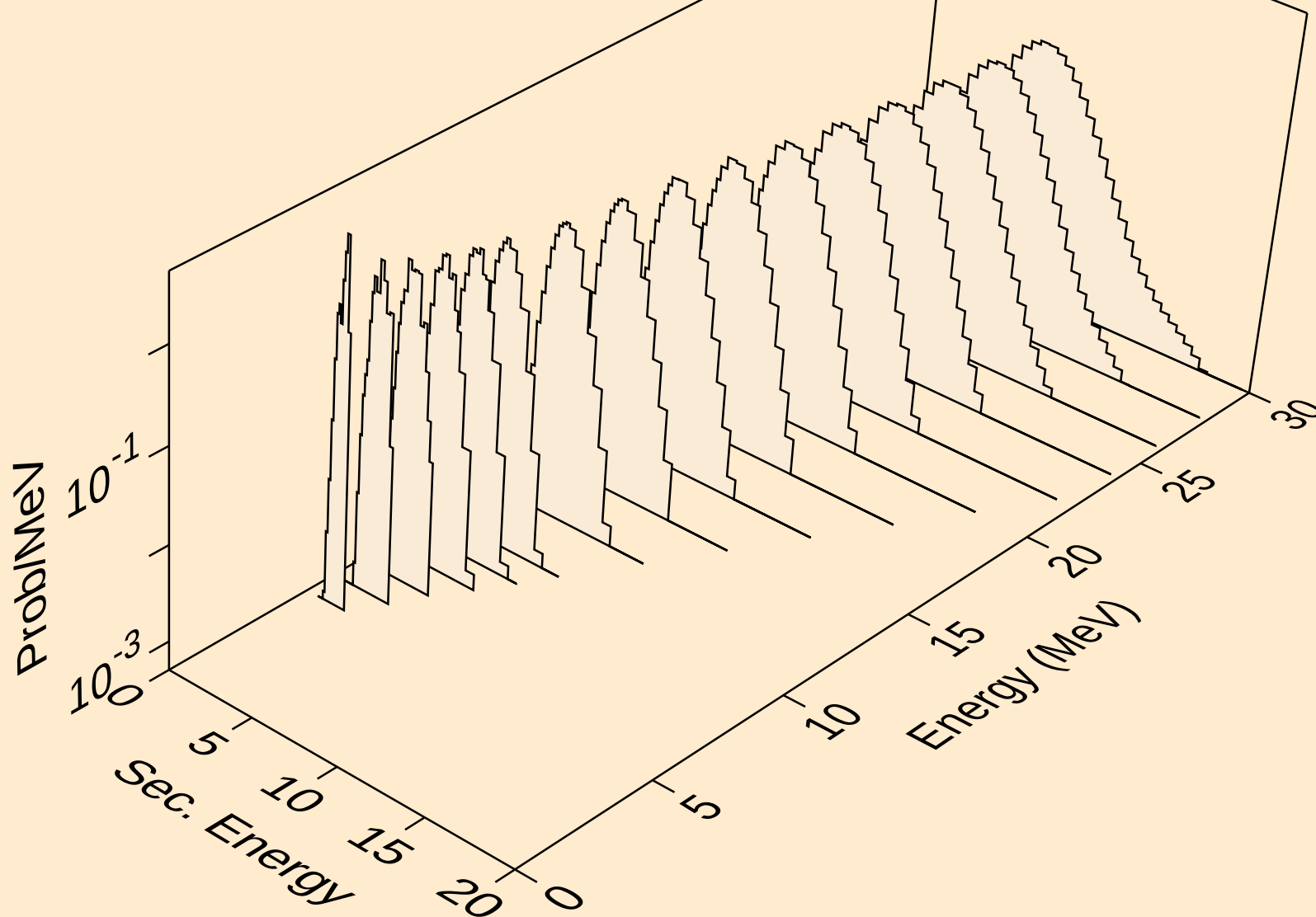


PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2p)

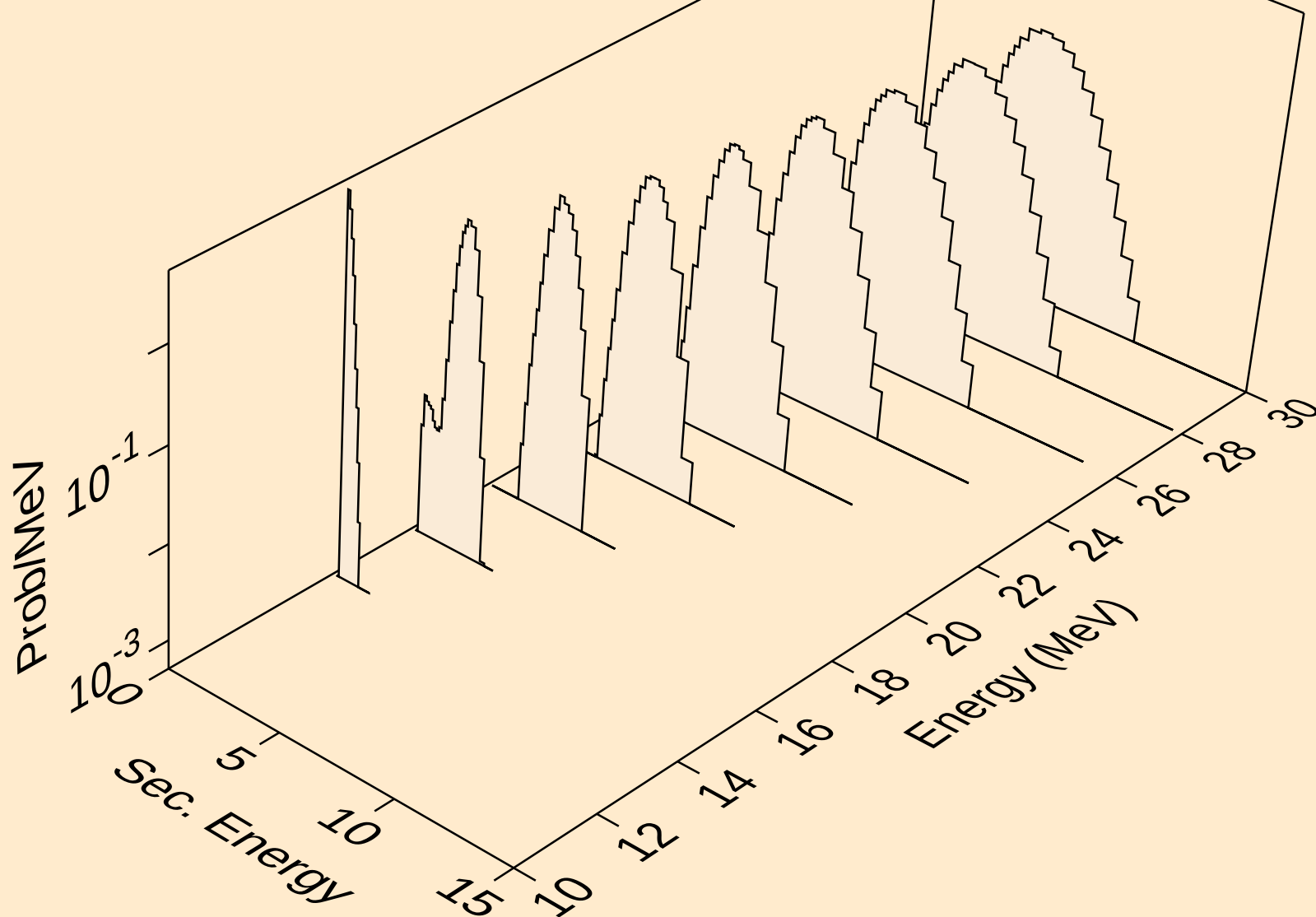




PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pa)

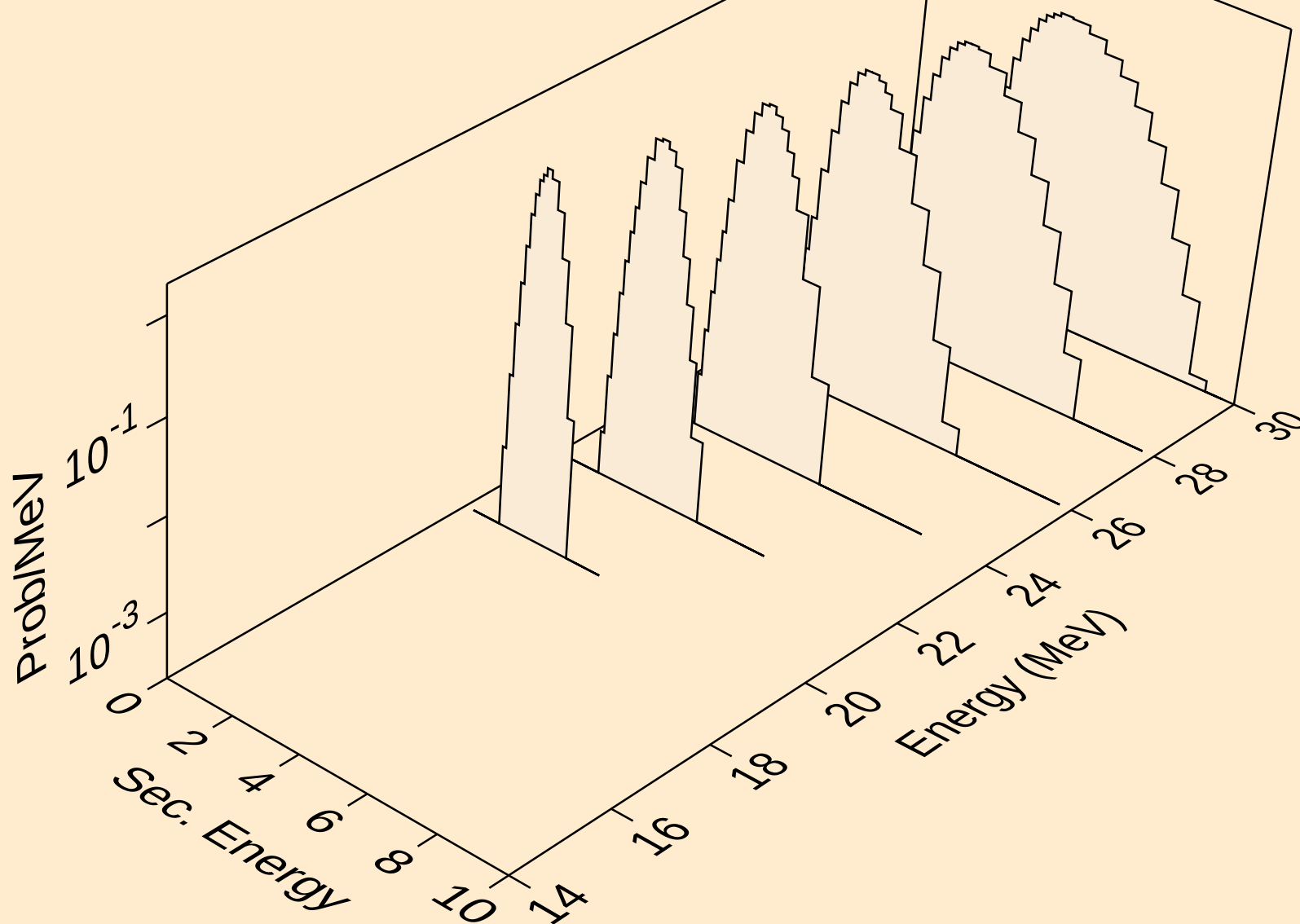


PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pd)

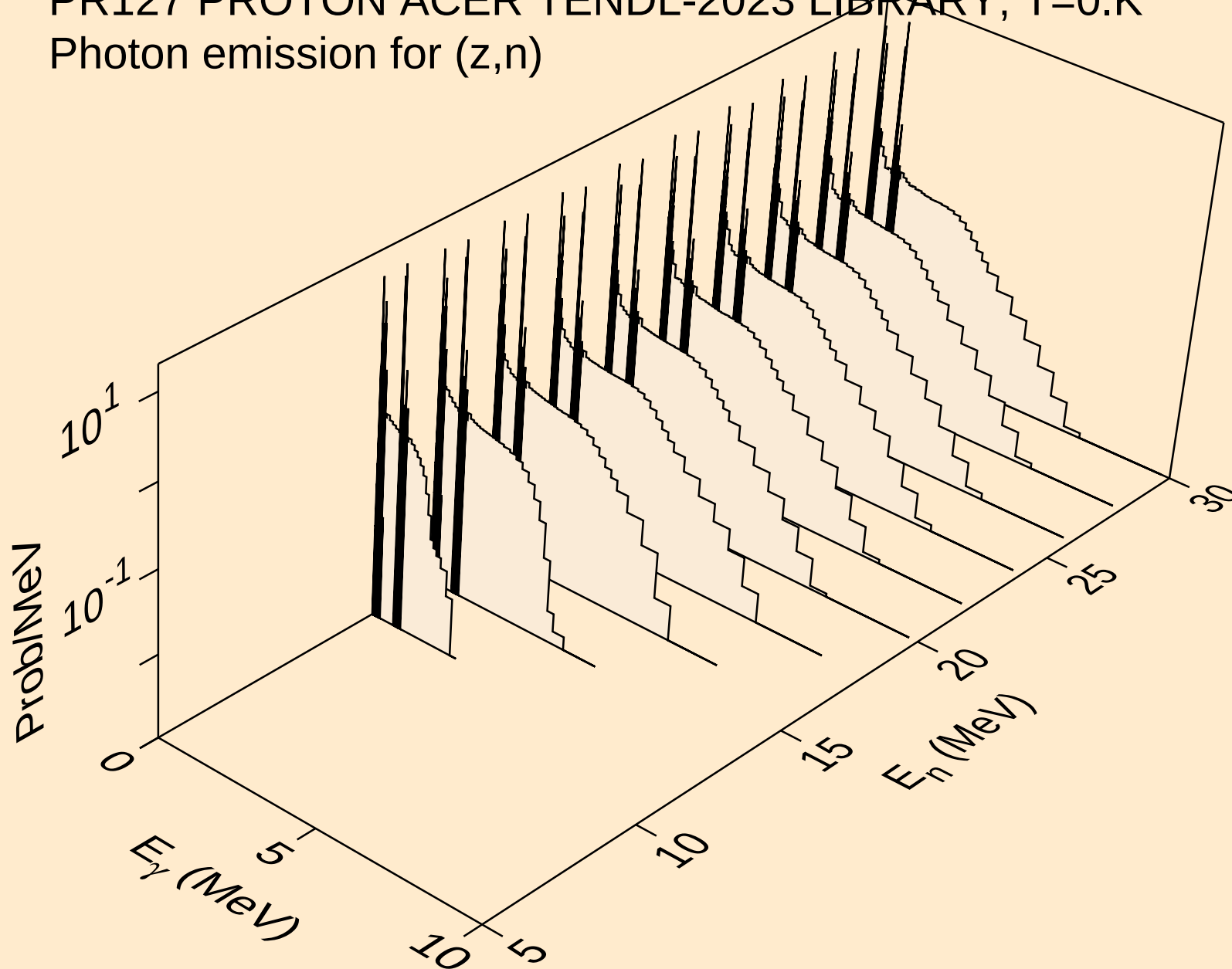


PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Proton emission for (p,pt)

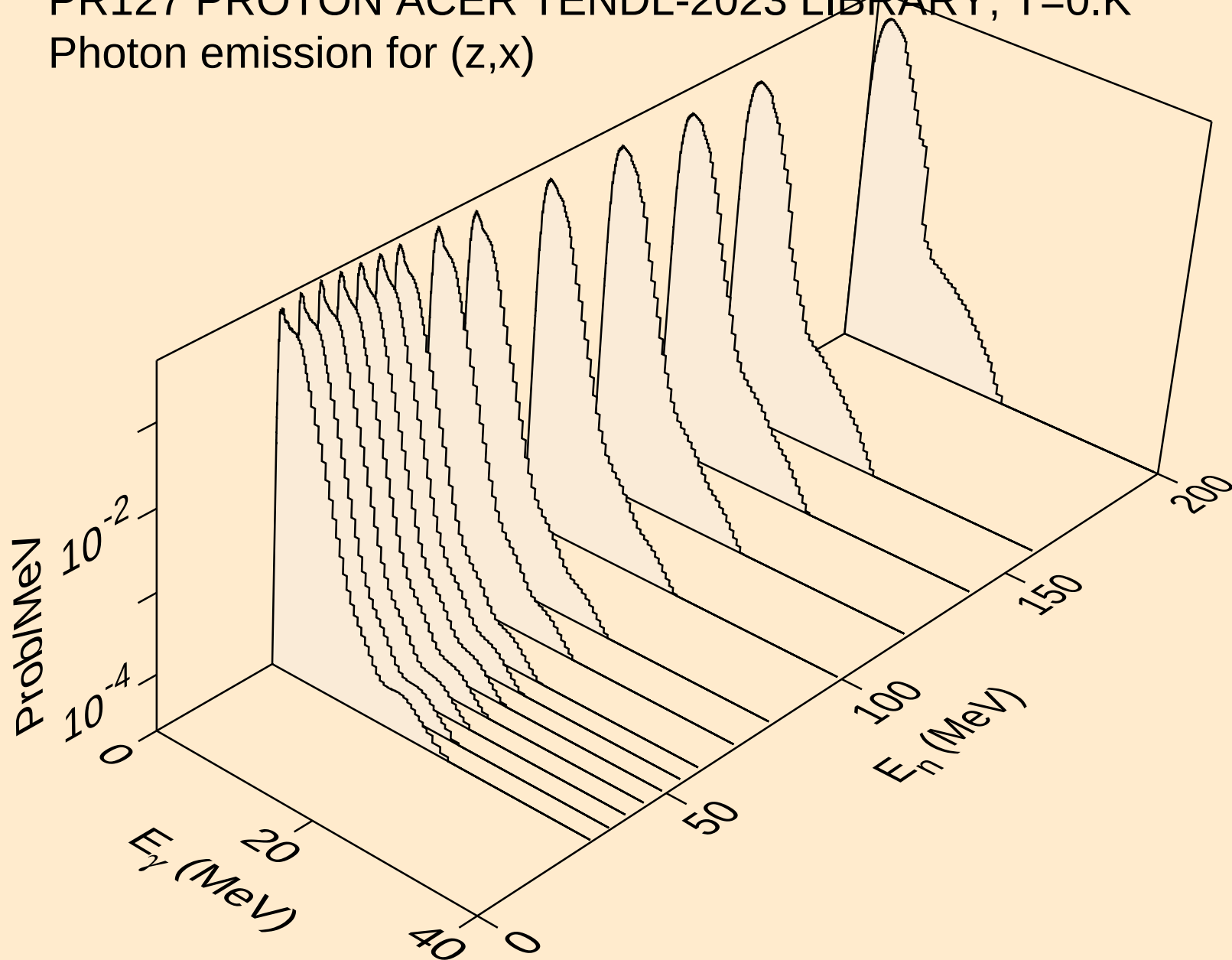


PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)

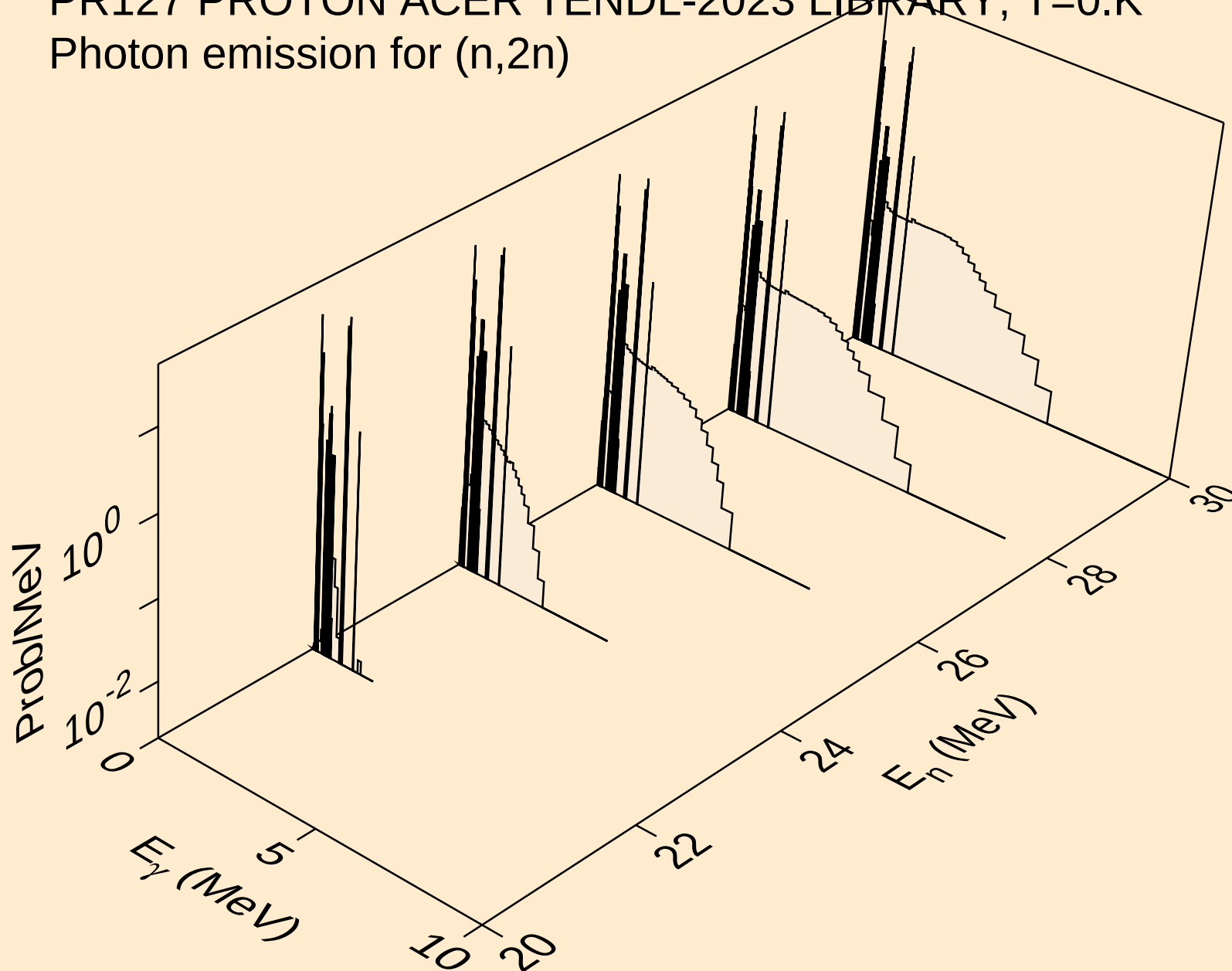


PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (z,x)

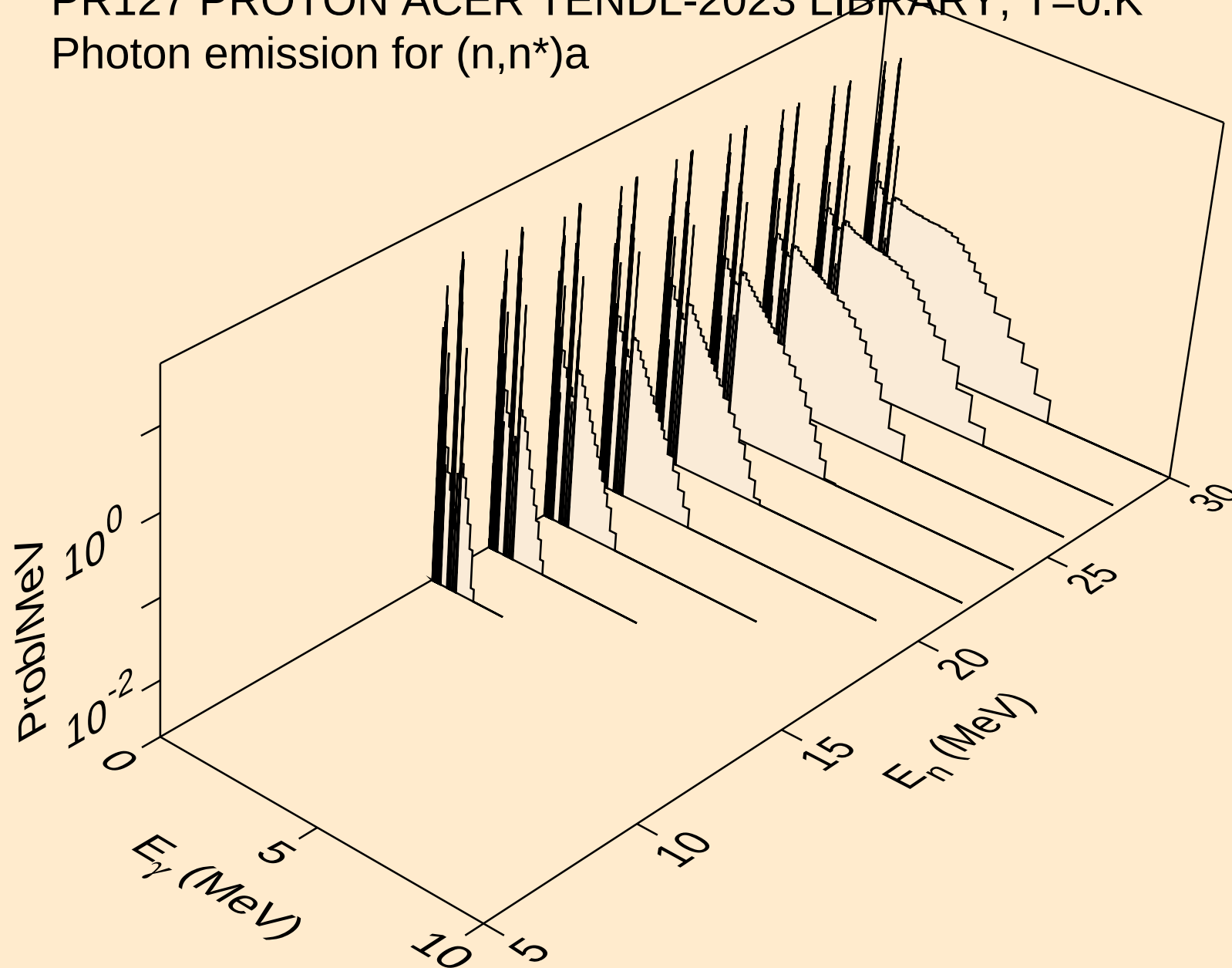


PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



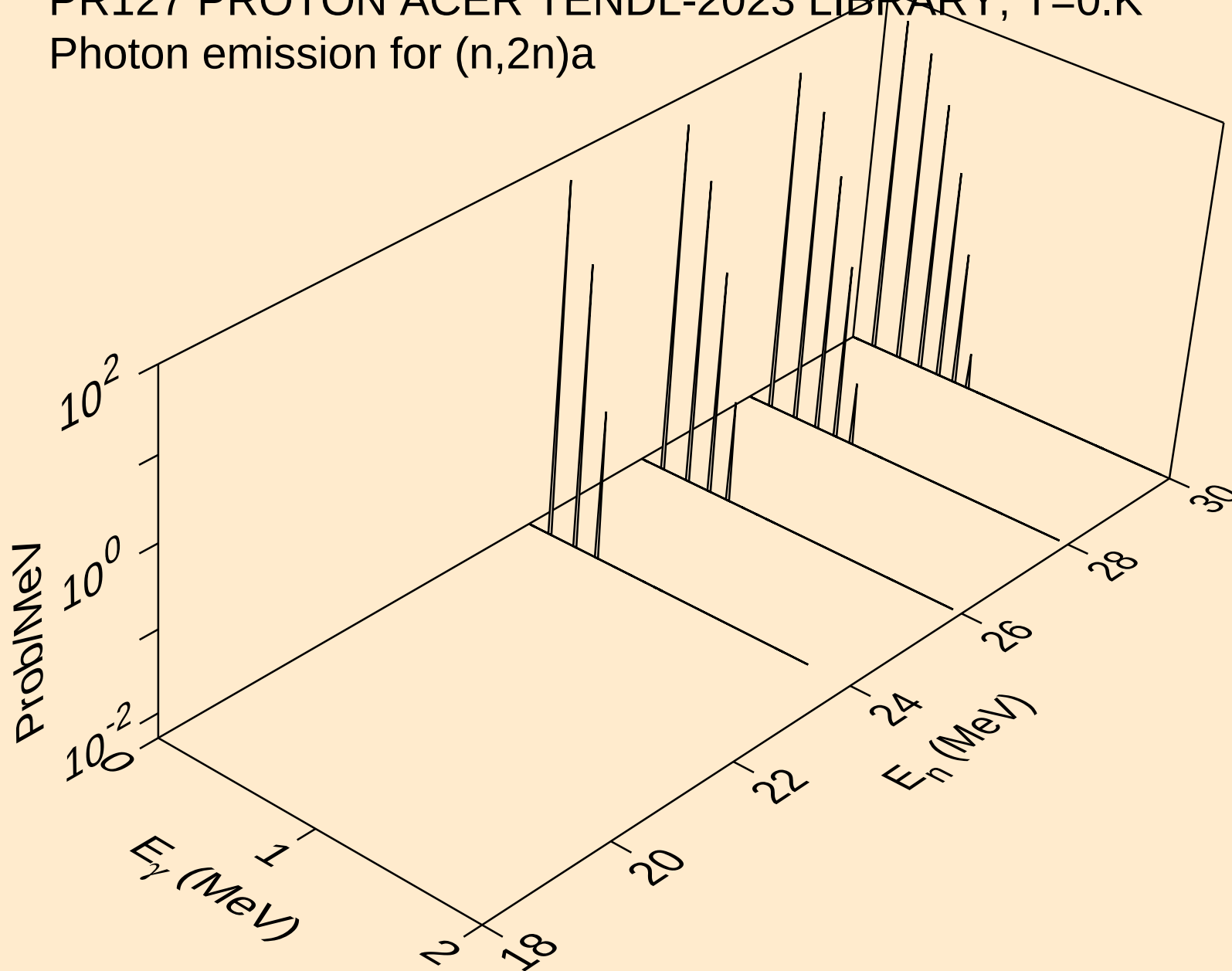
PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)a



PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K

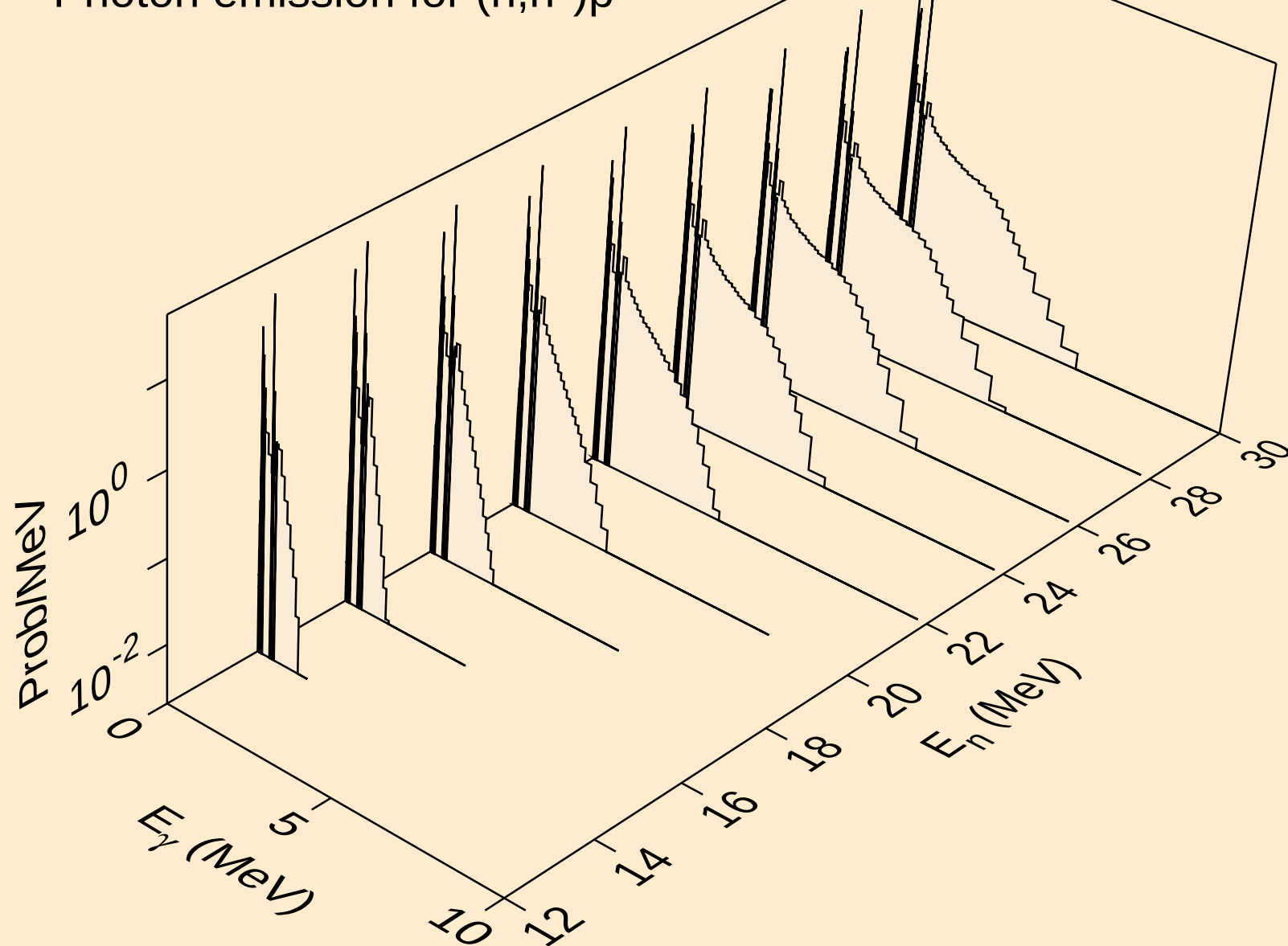
Photon emission for (n,2n) $\alpha$



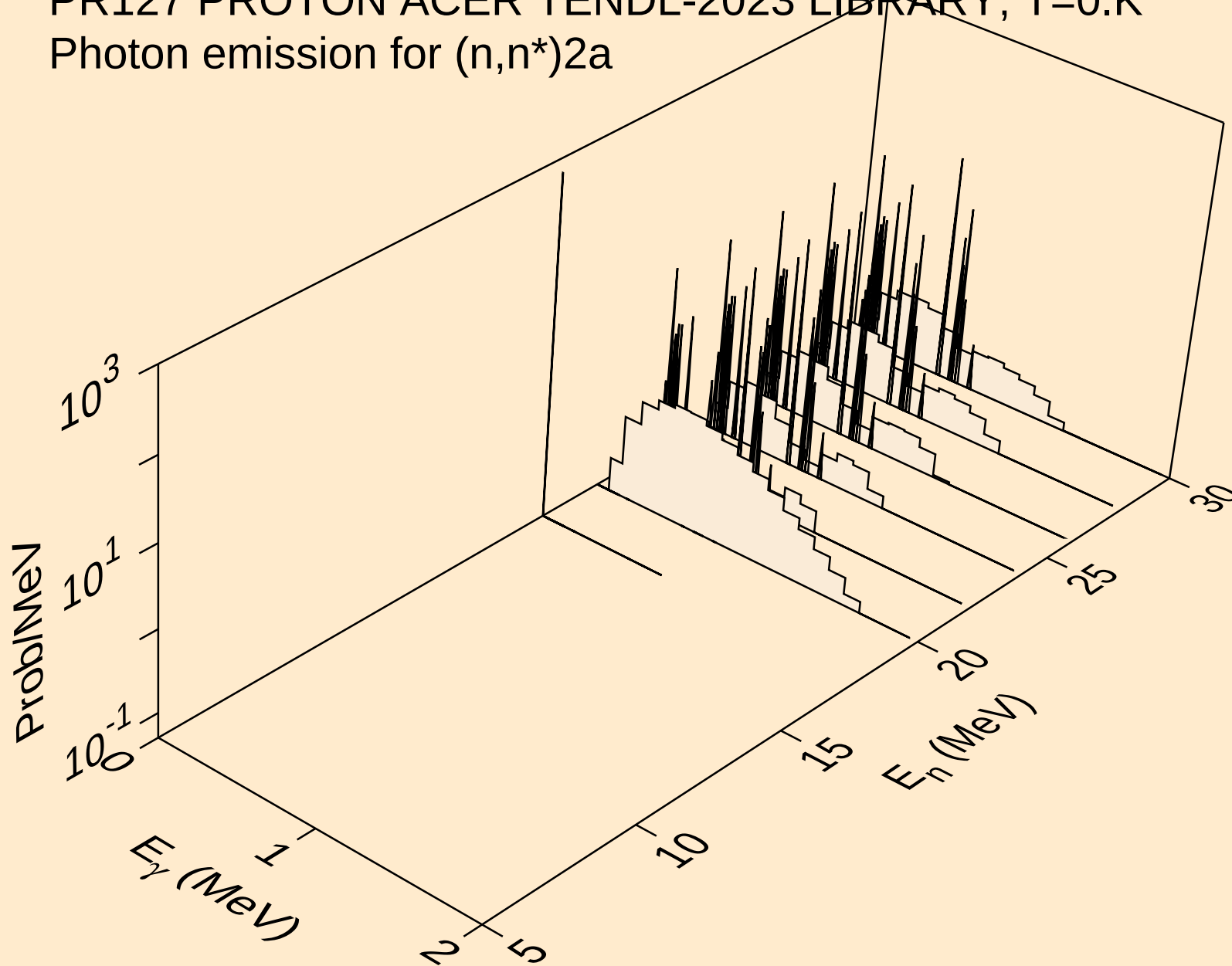


PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)p

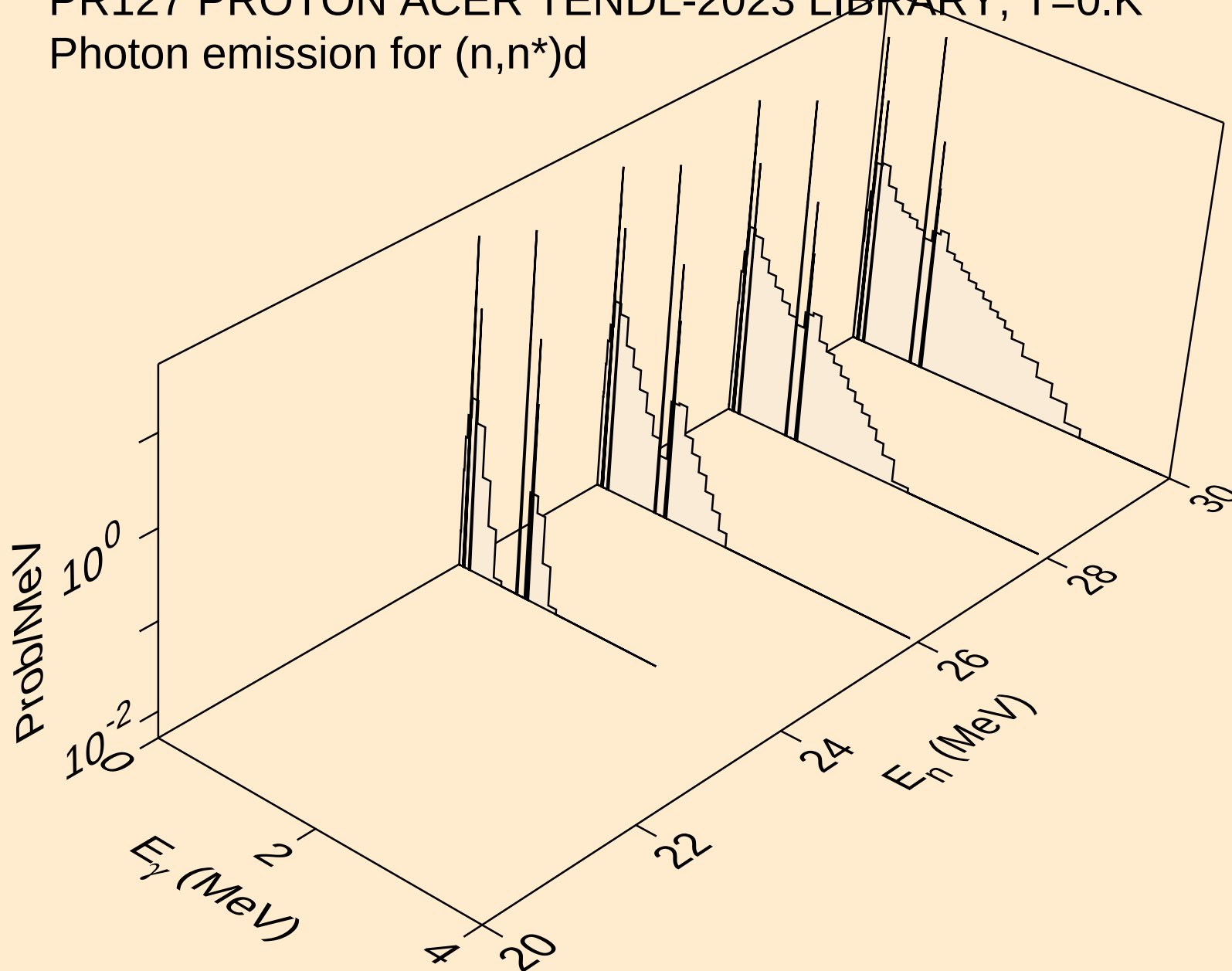


PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

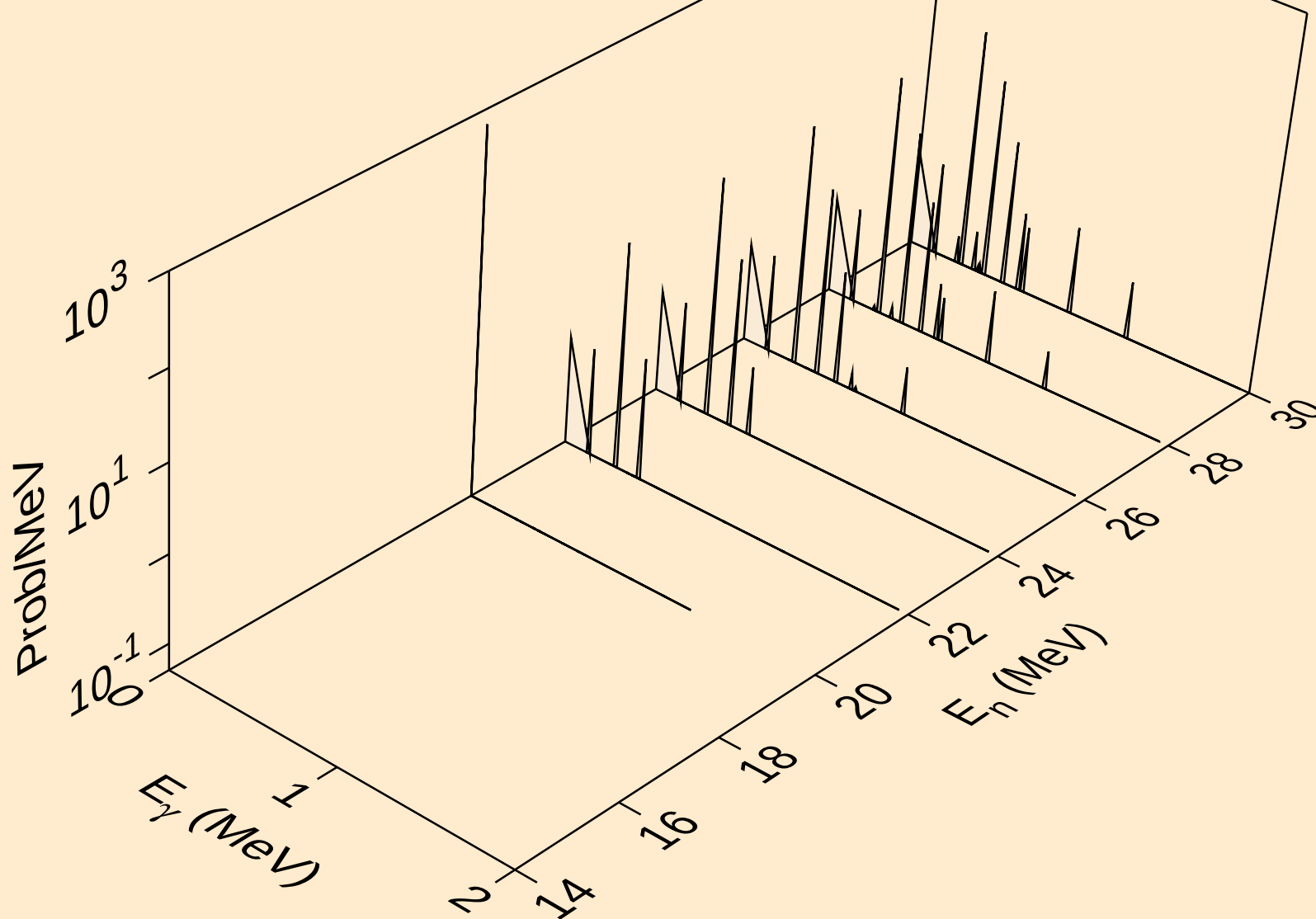


PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K

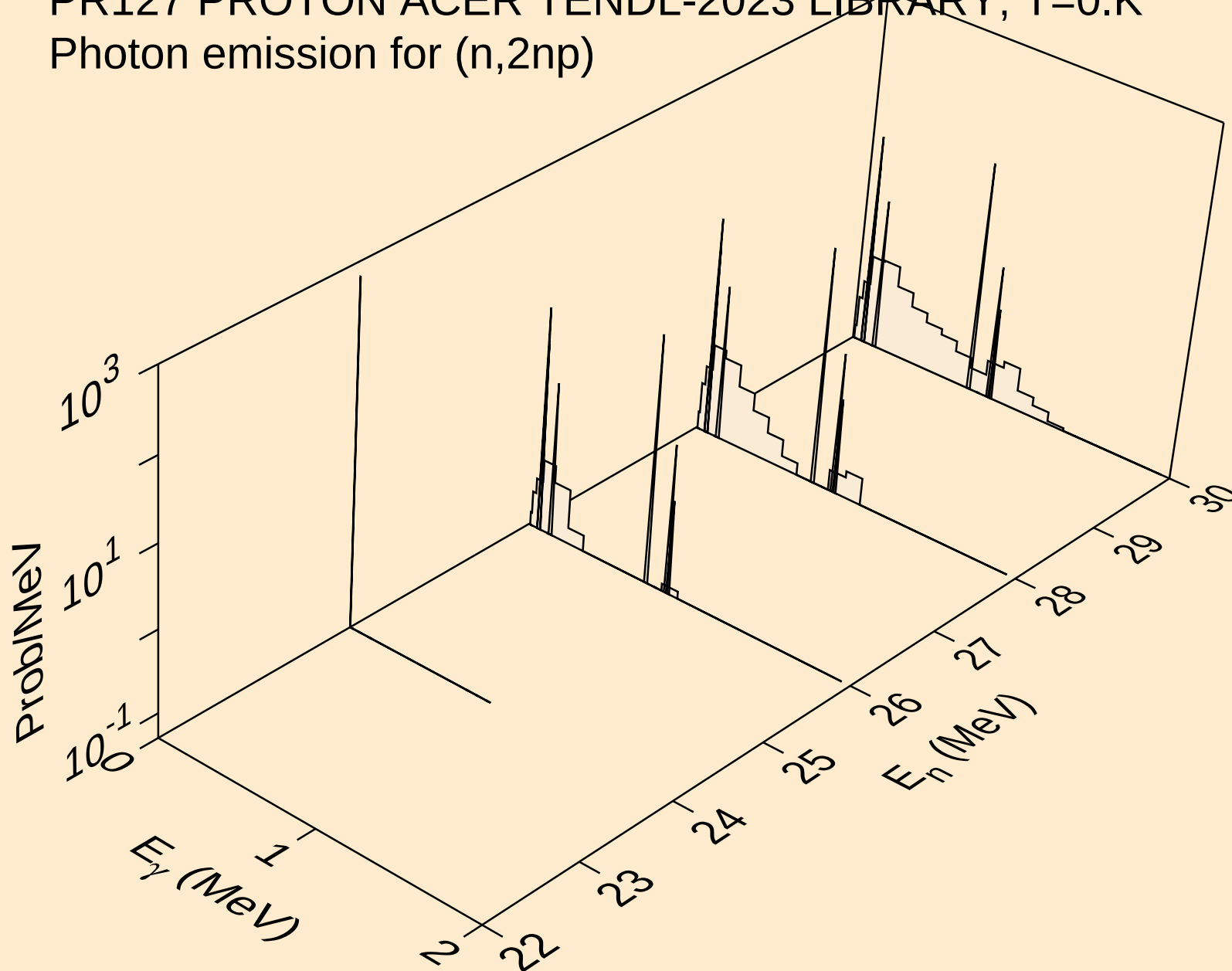
Photon emission for (n,n\*)d



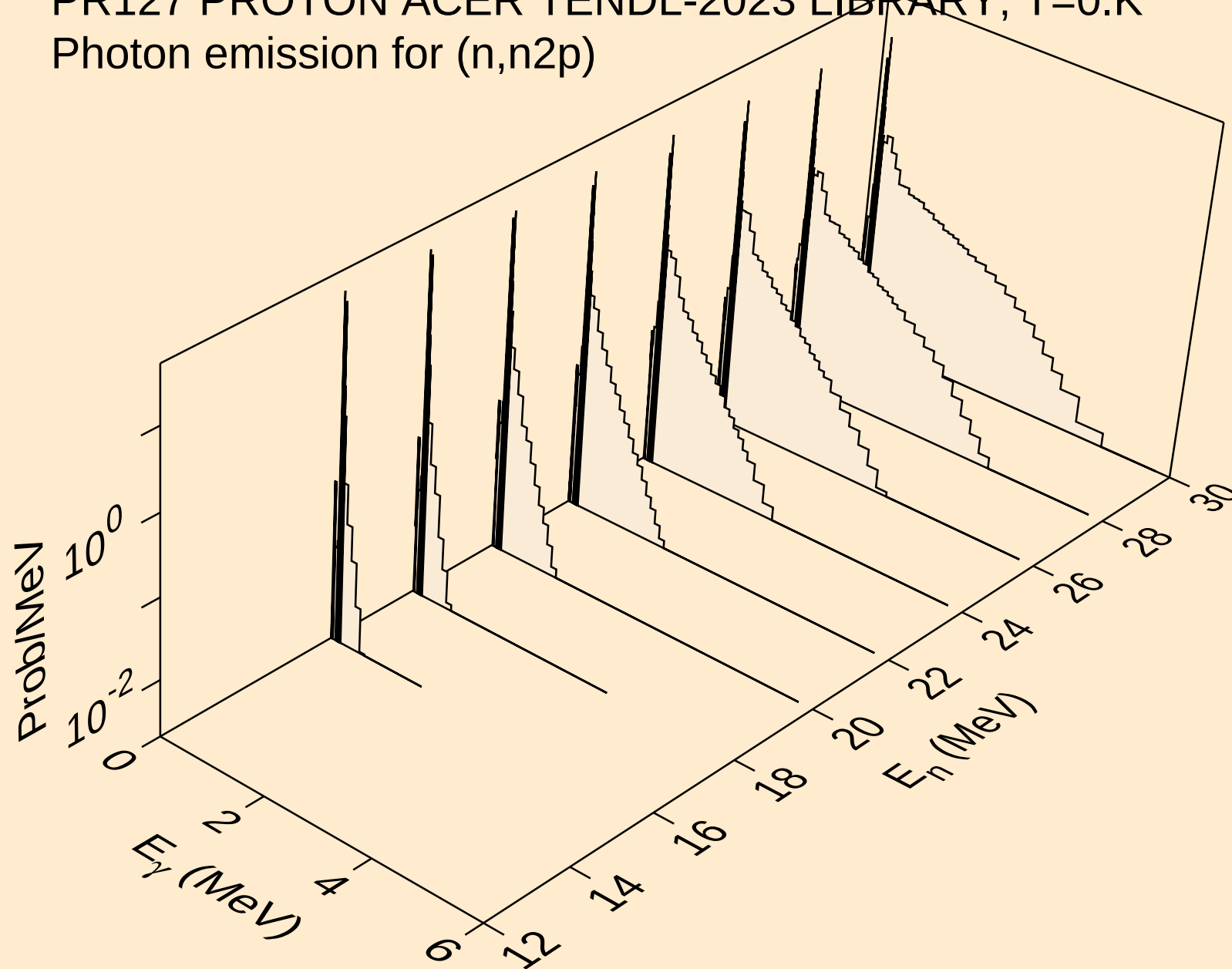
PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



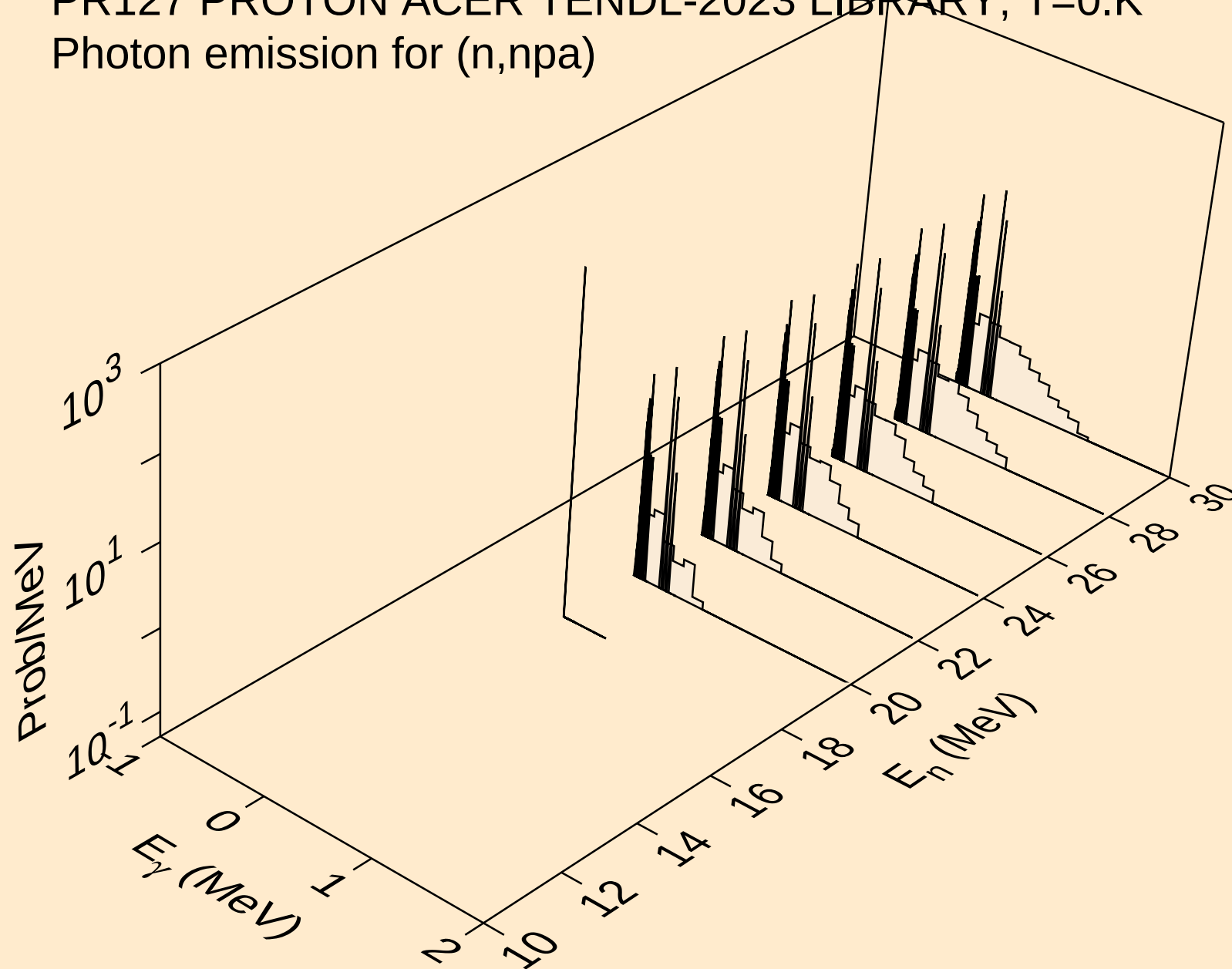
PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



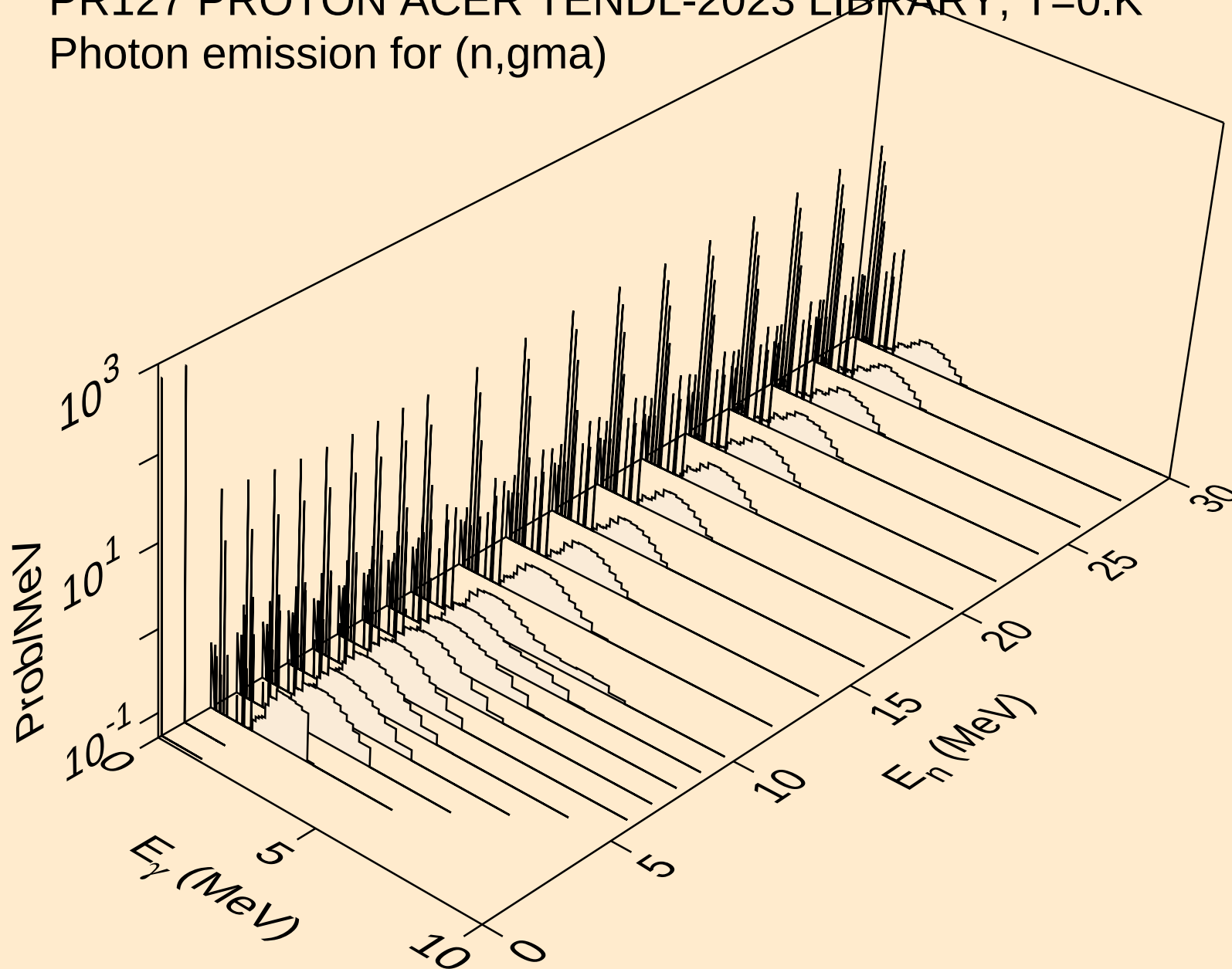
PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)

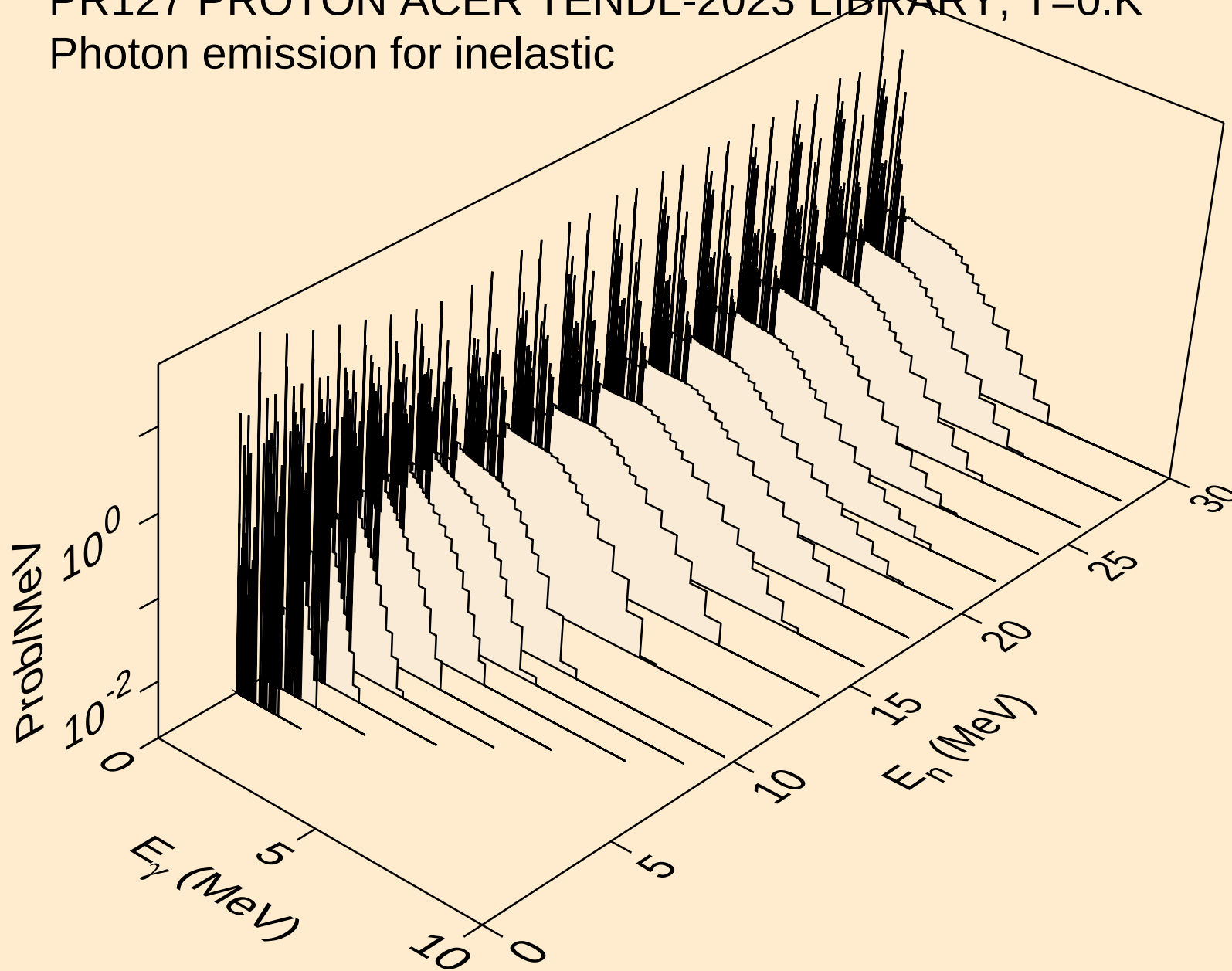


PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)

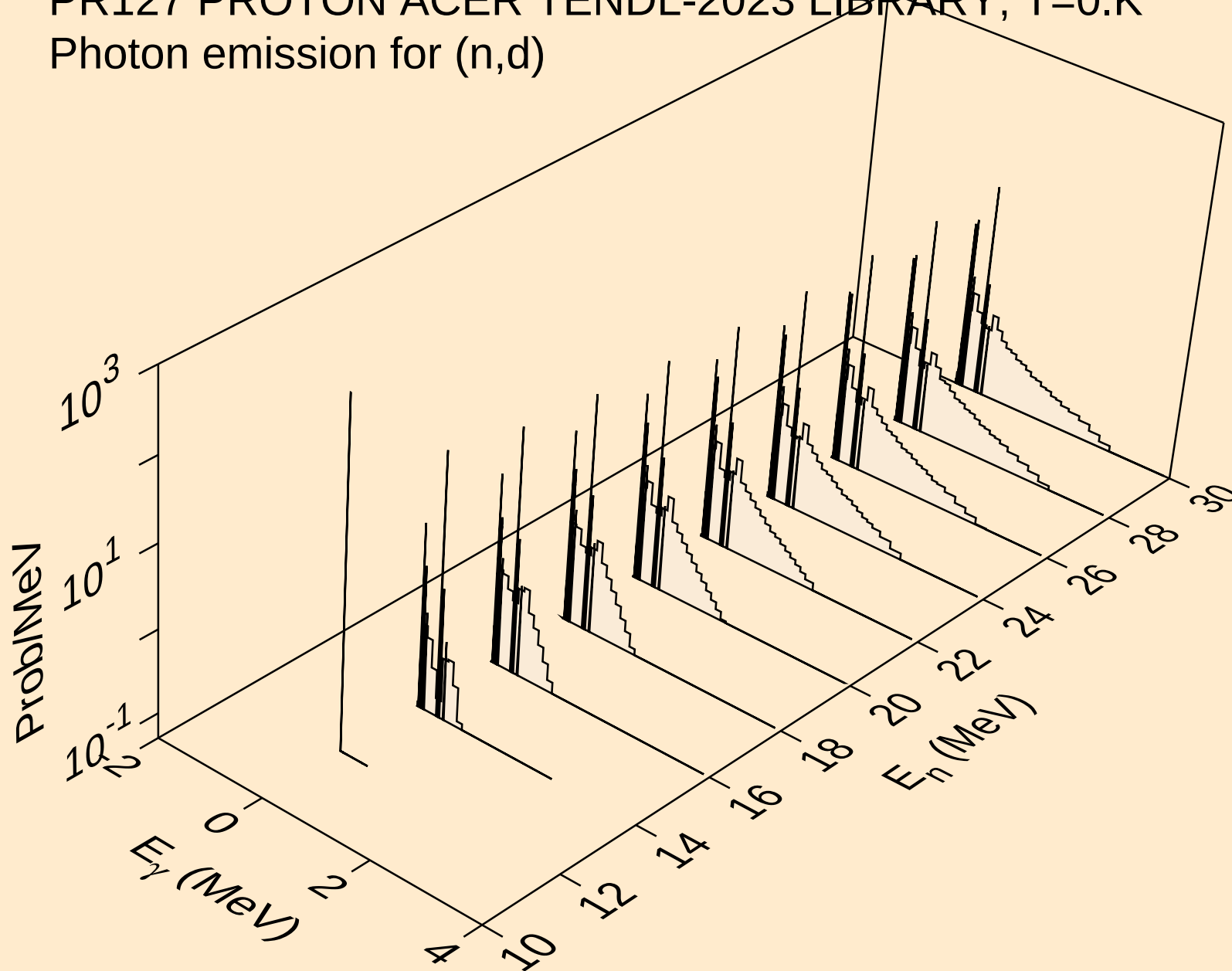




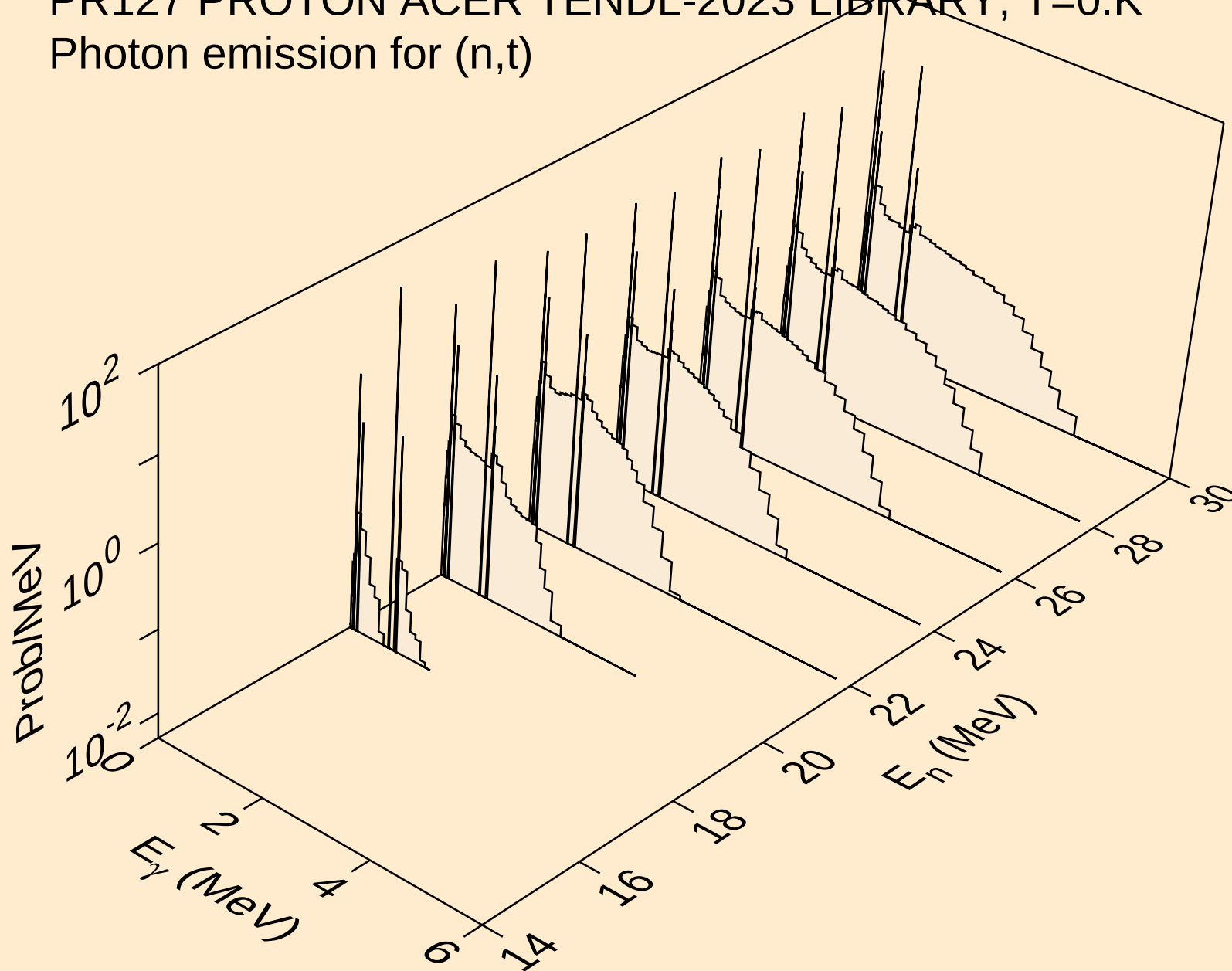
PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



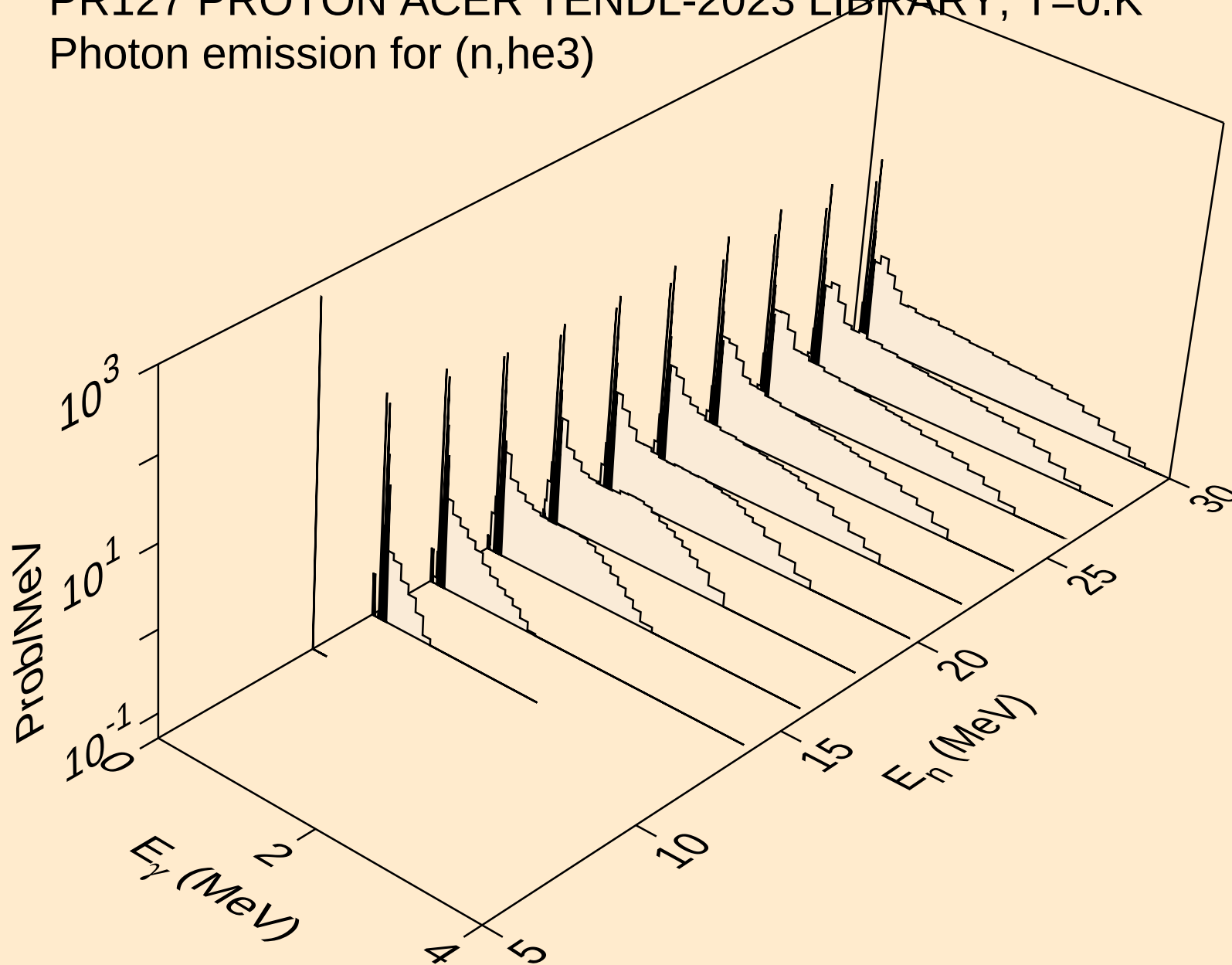
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Photon emission for (n,d)



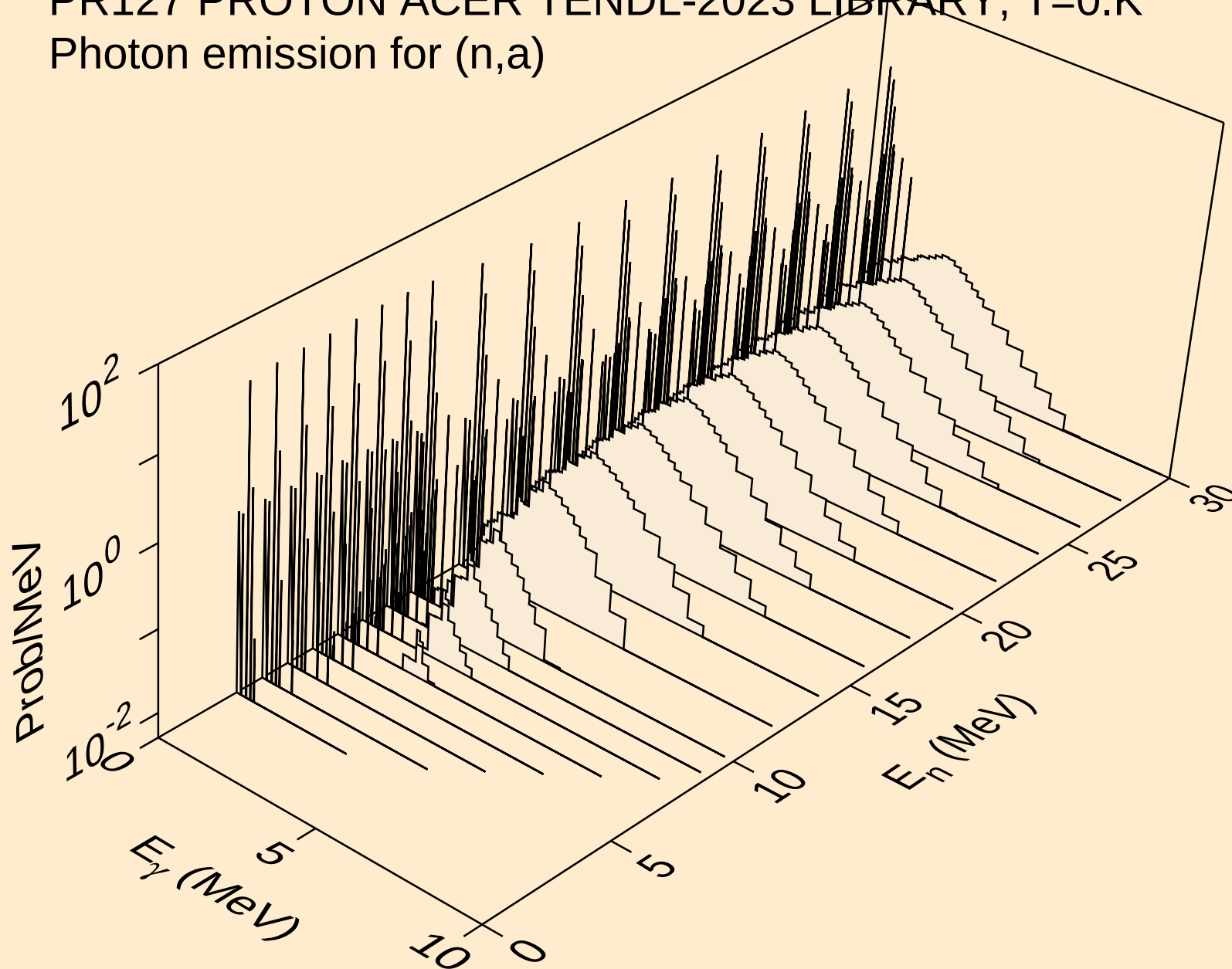
PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



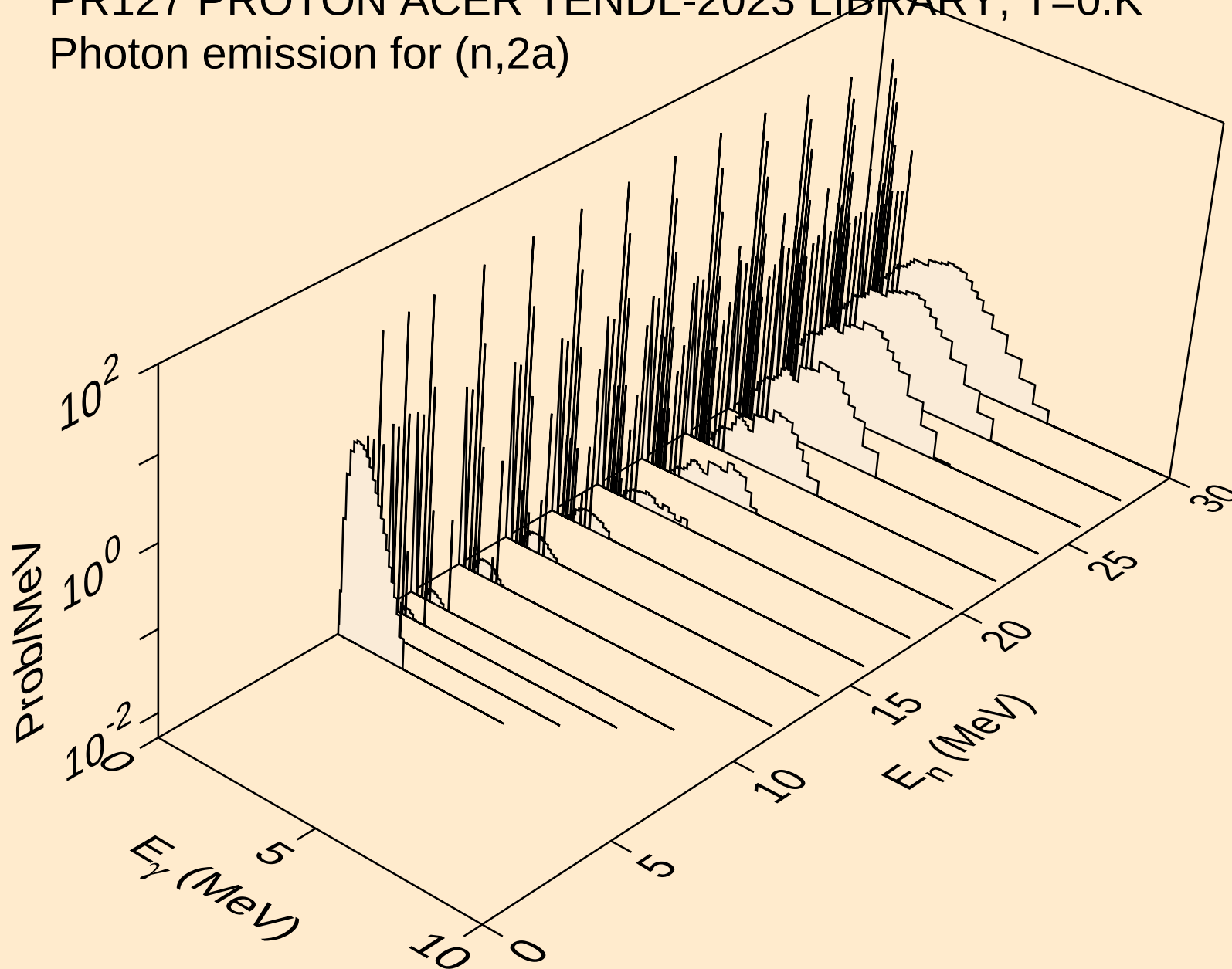
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Photon emission for (n,he3)



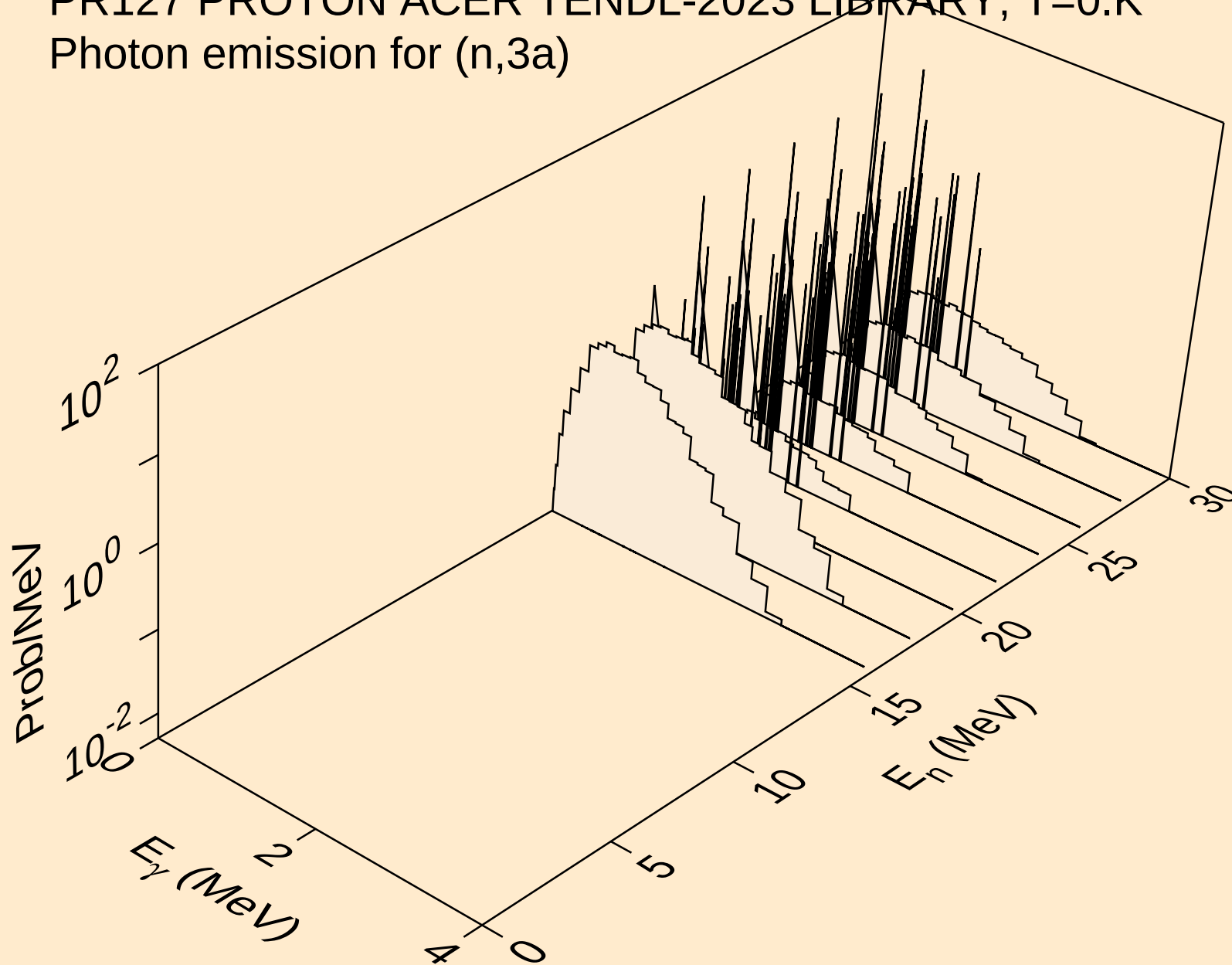
PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



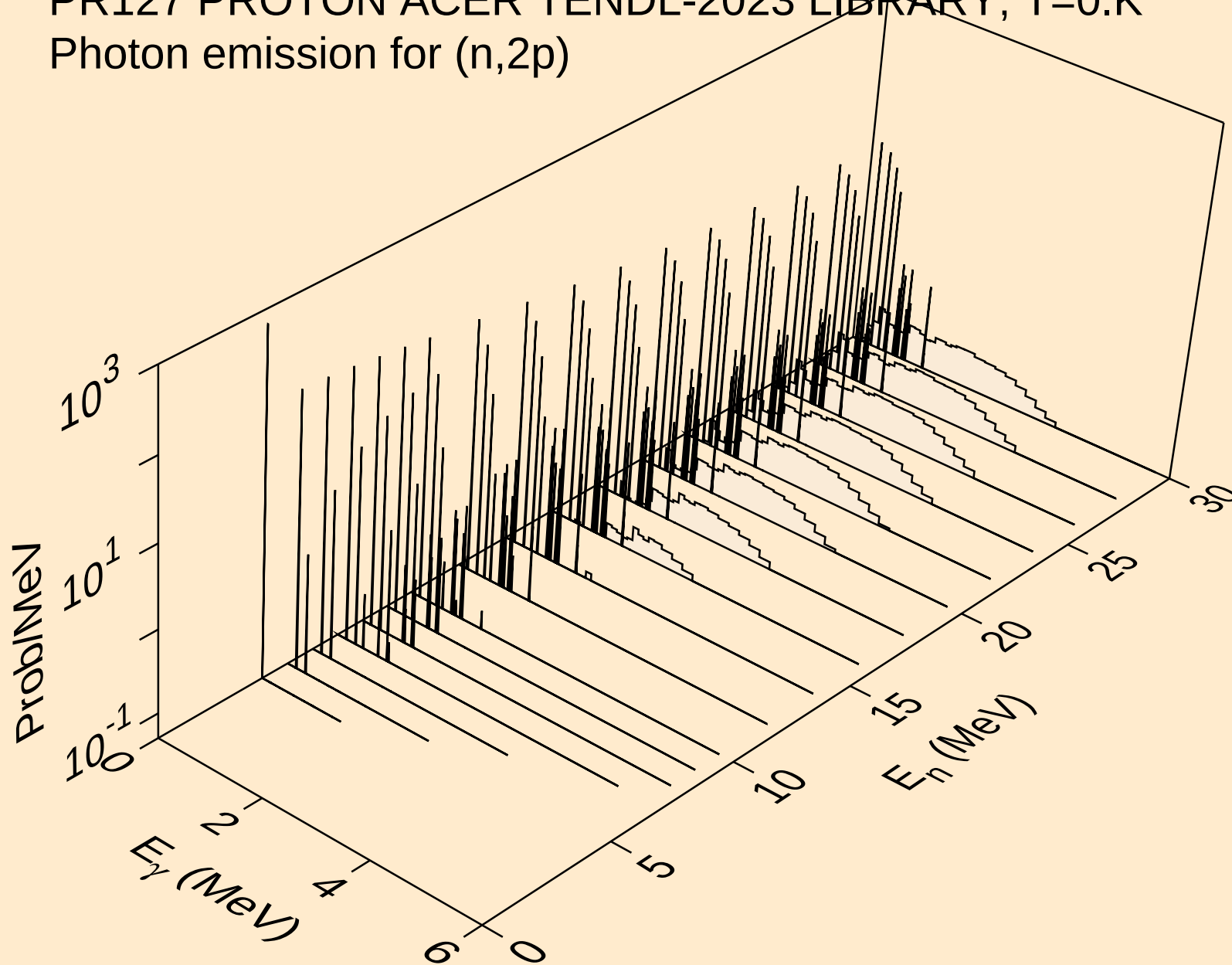
PR127 PROTON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,2a)



PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3a)

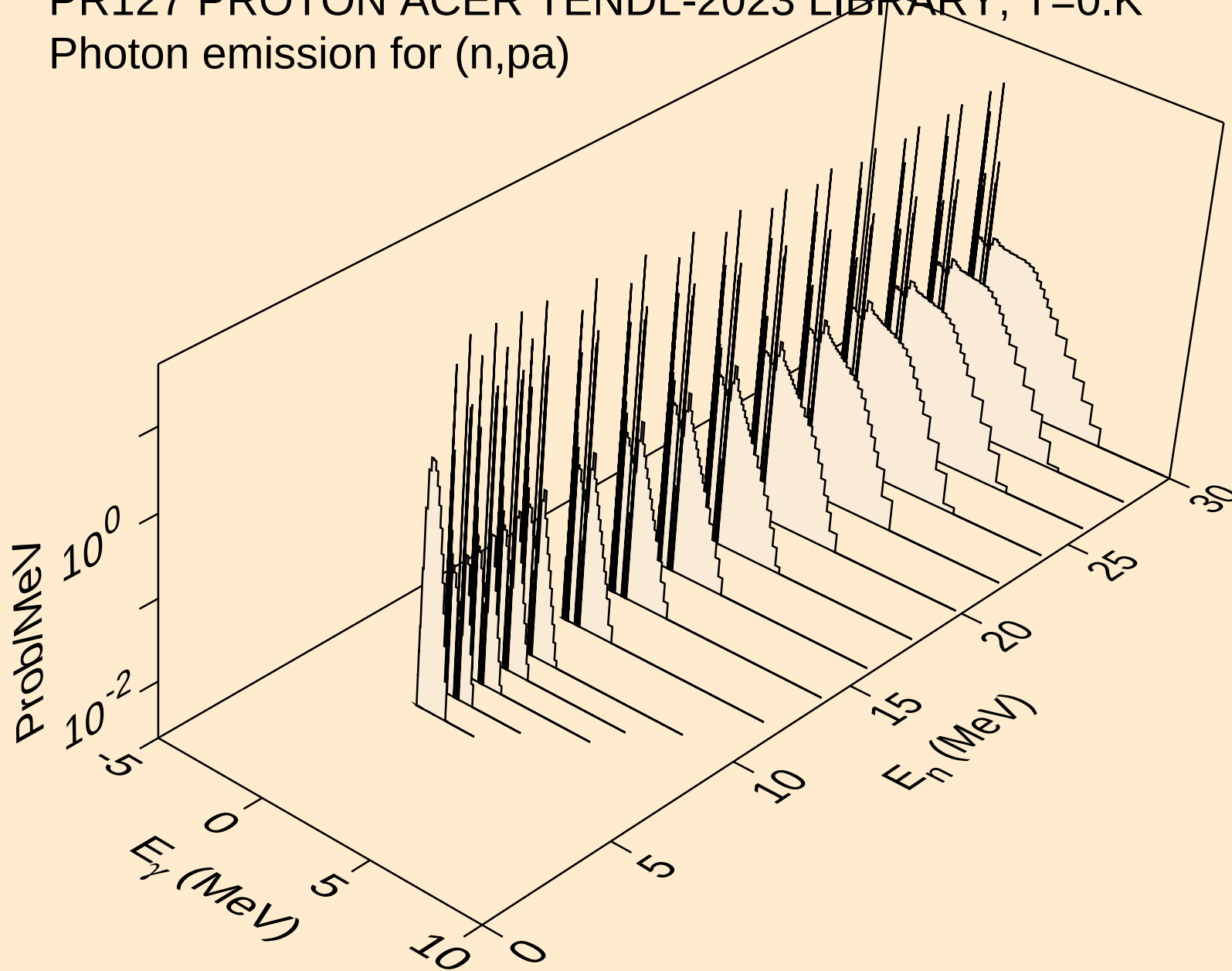


PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)

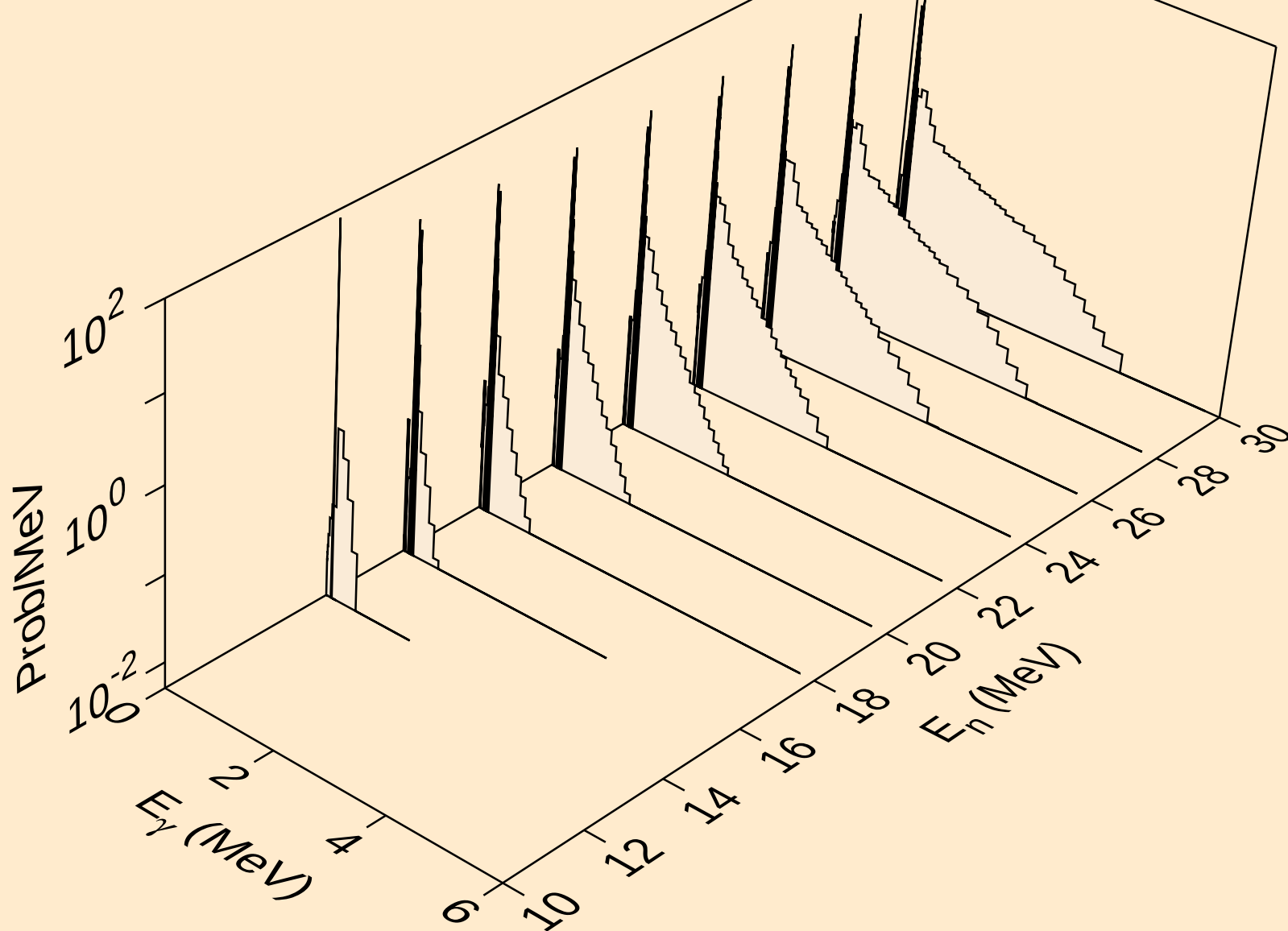




PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )

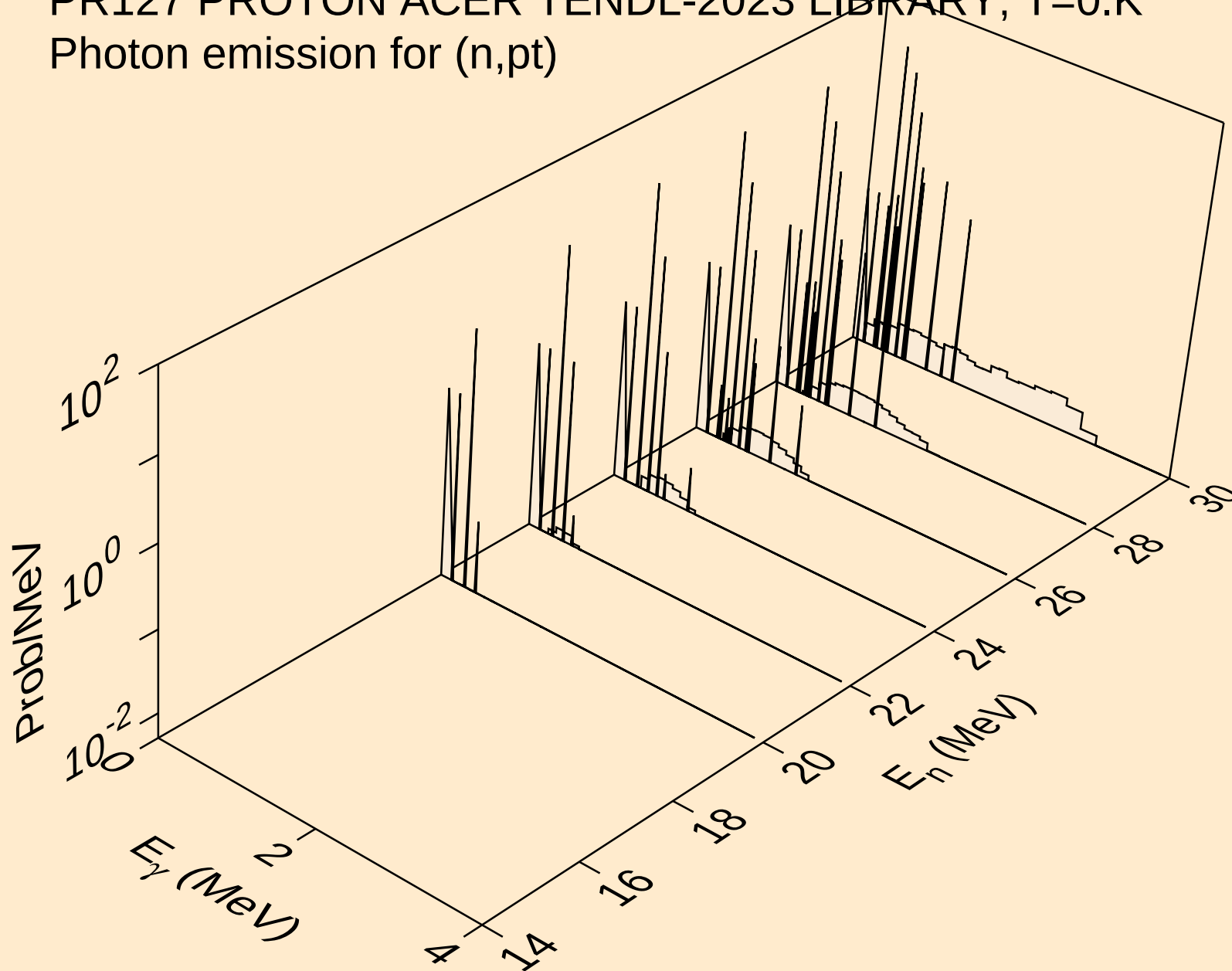


PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)

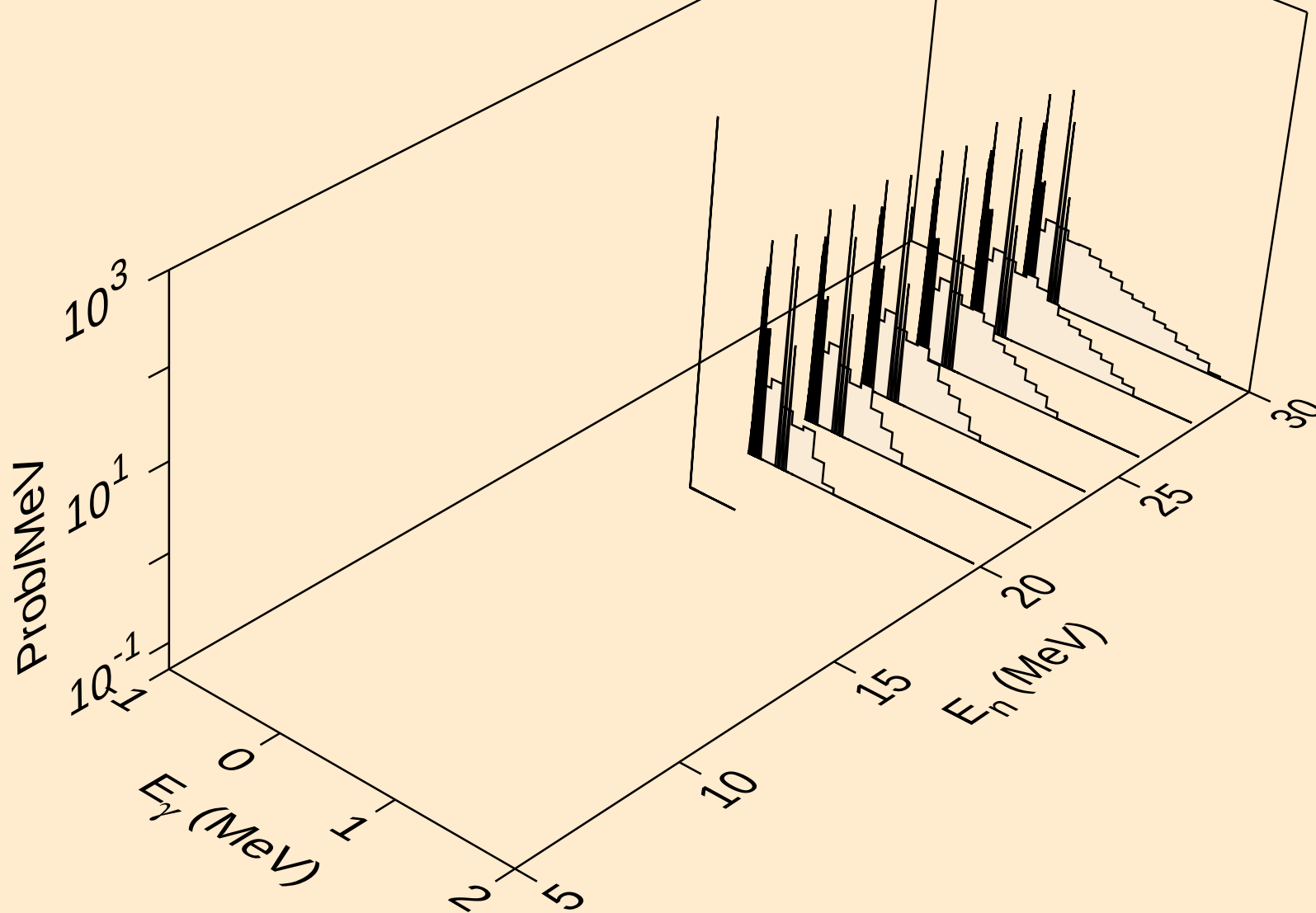


PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,pt)

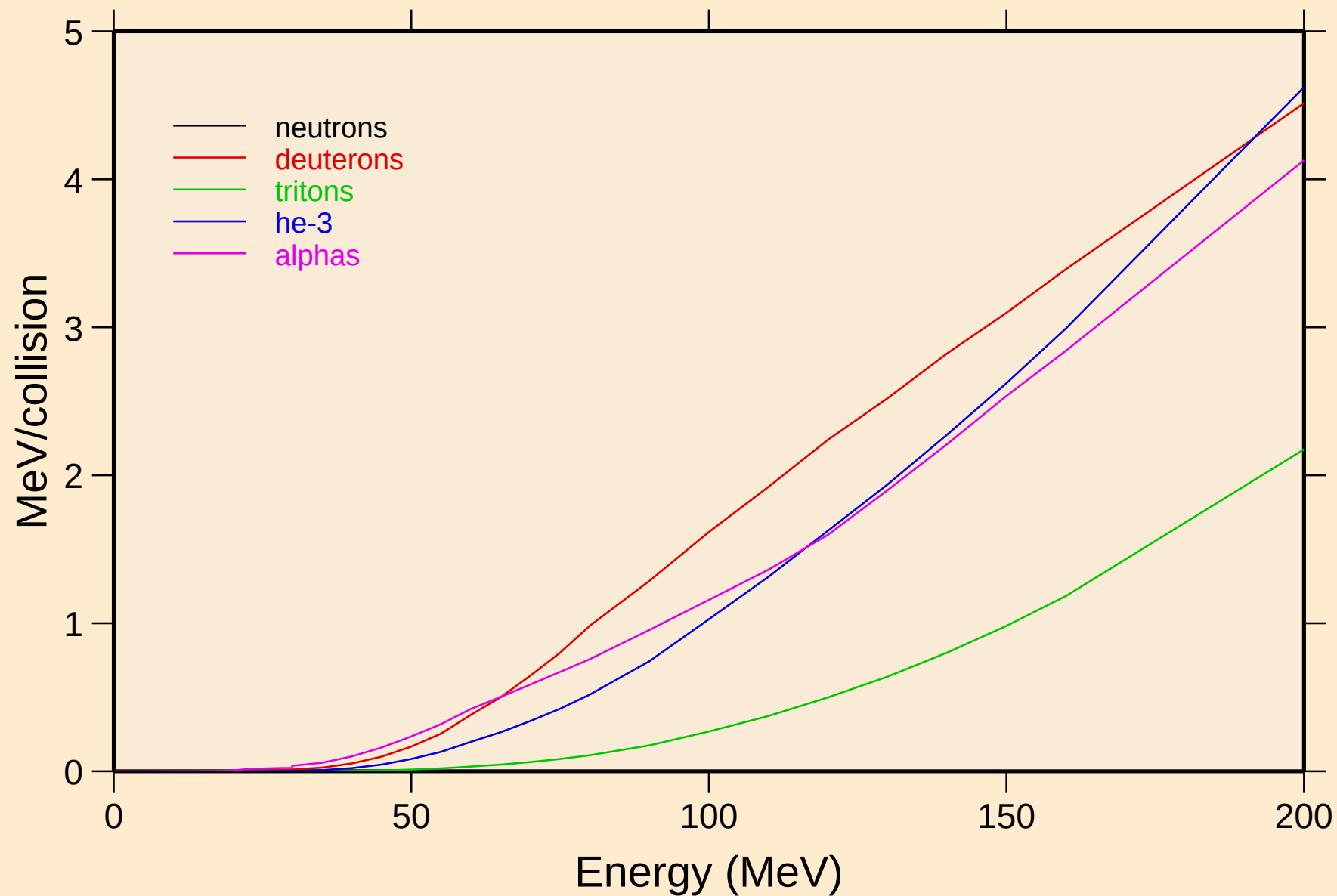


PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



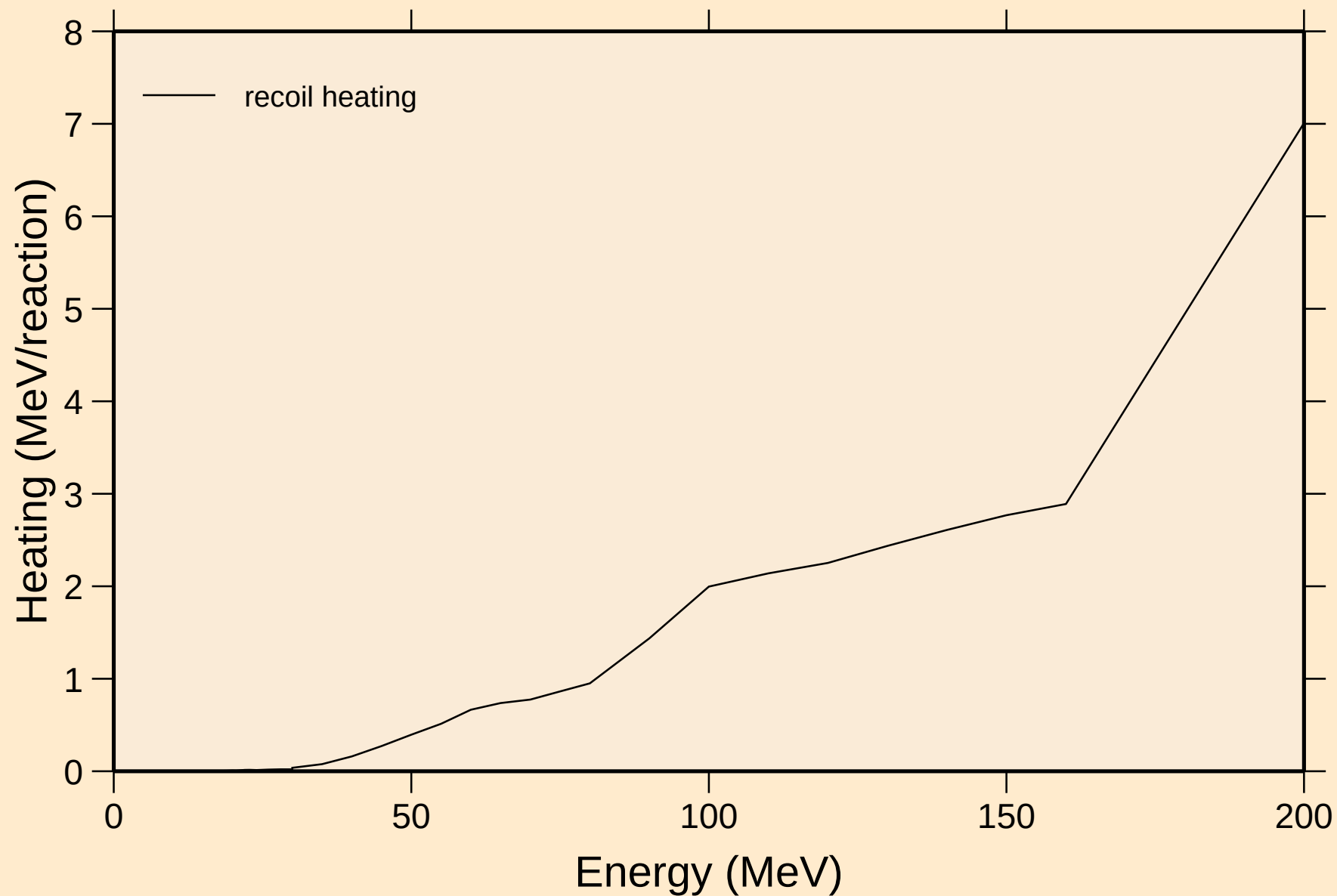
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## Particle heating contributions



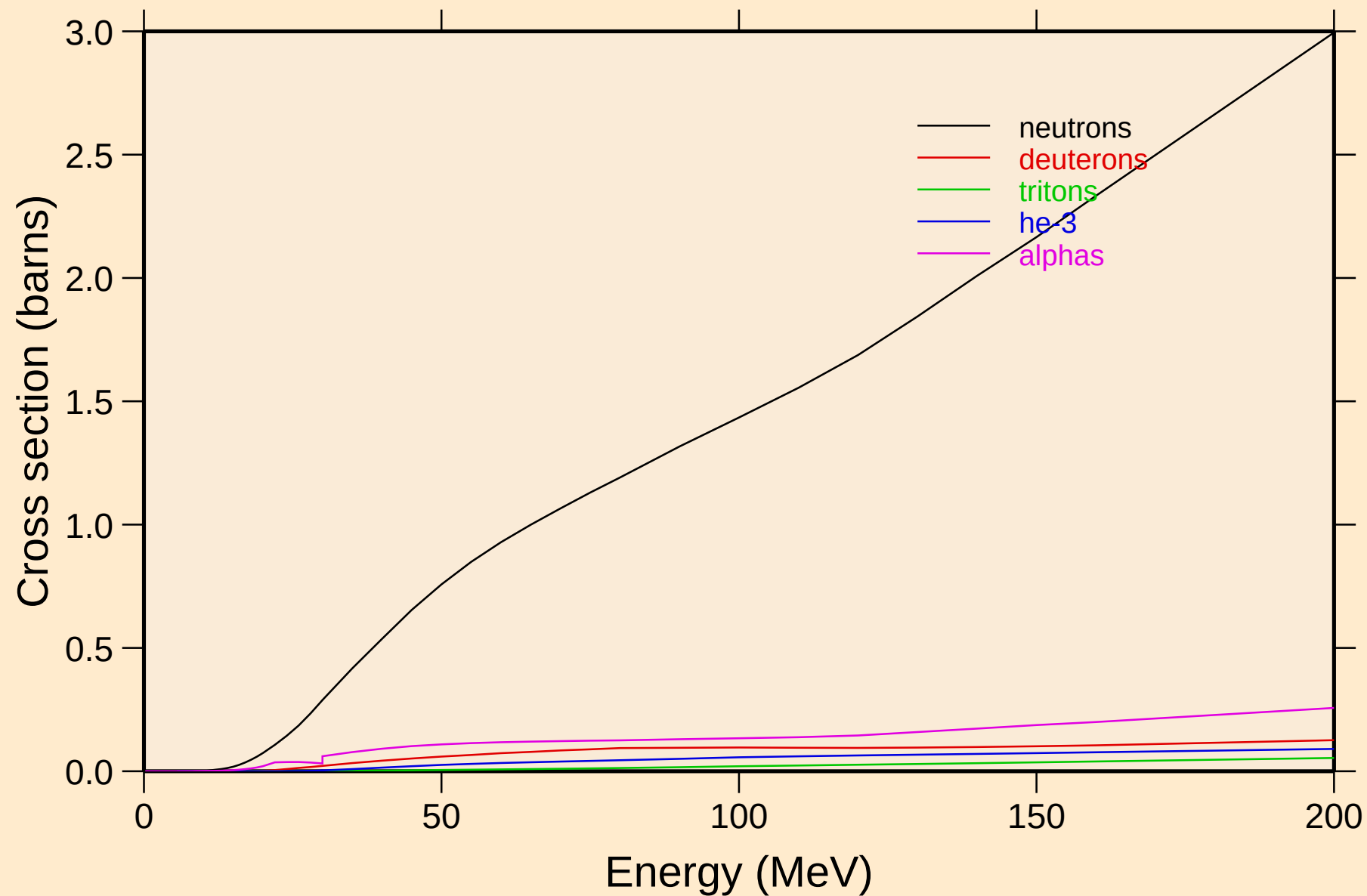
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## Recoil Heating

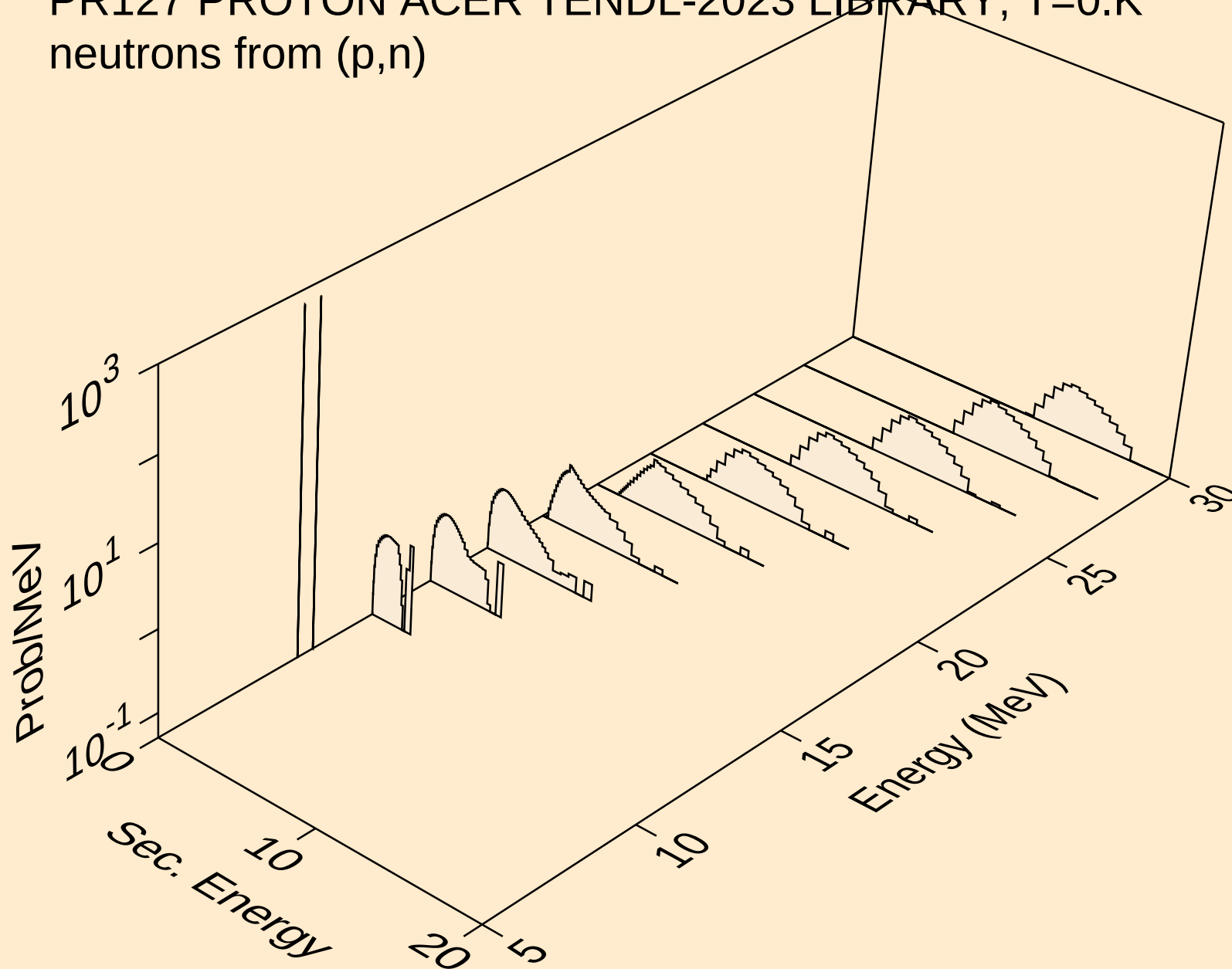


# PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Particle production cross sections

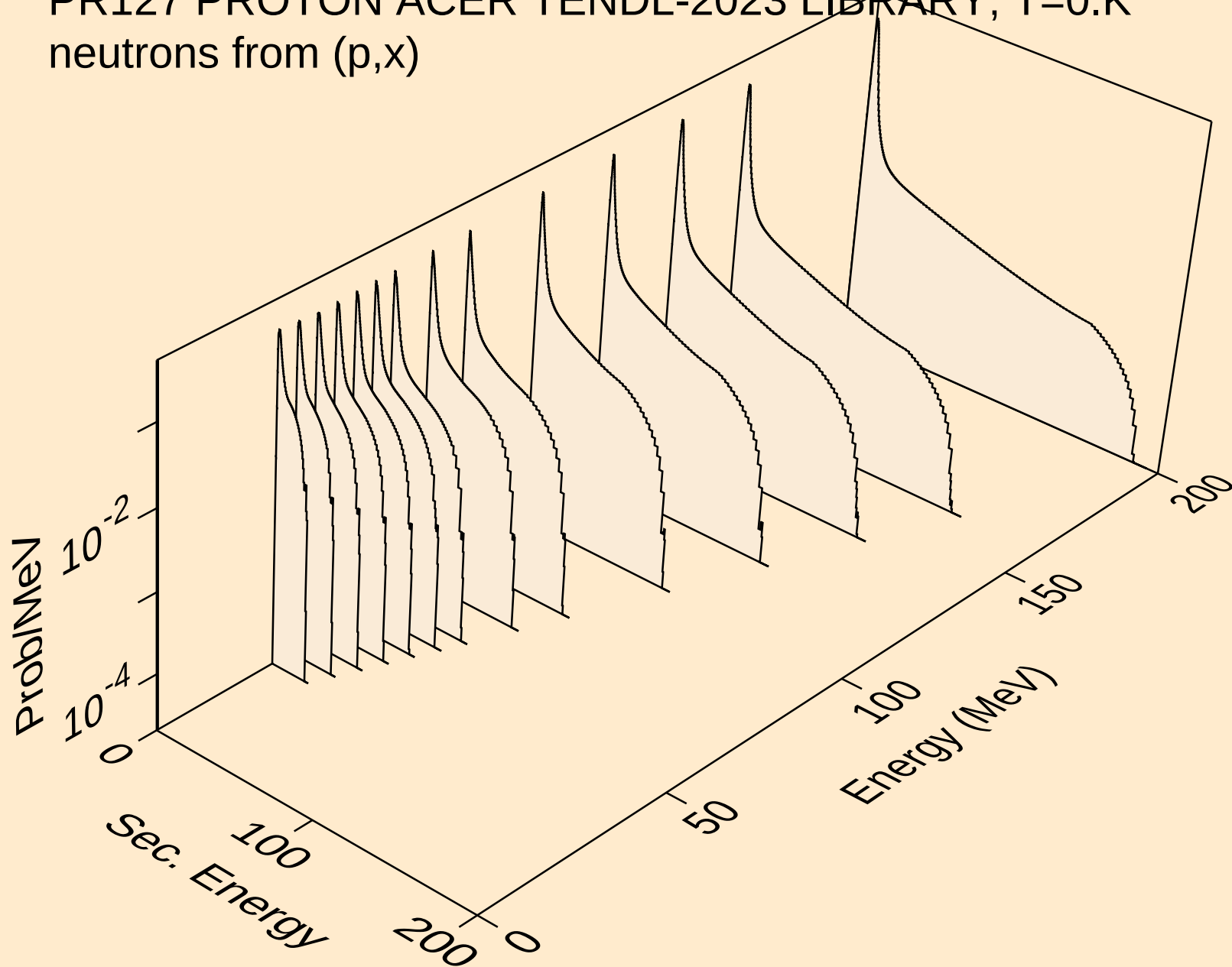


PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)

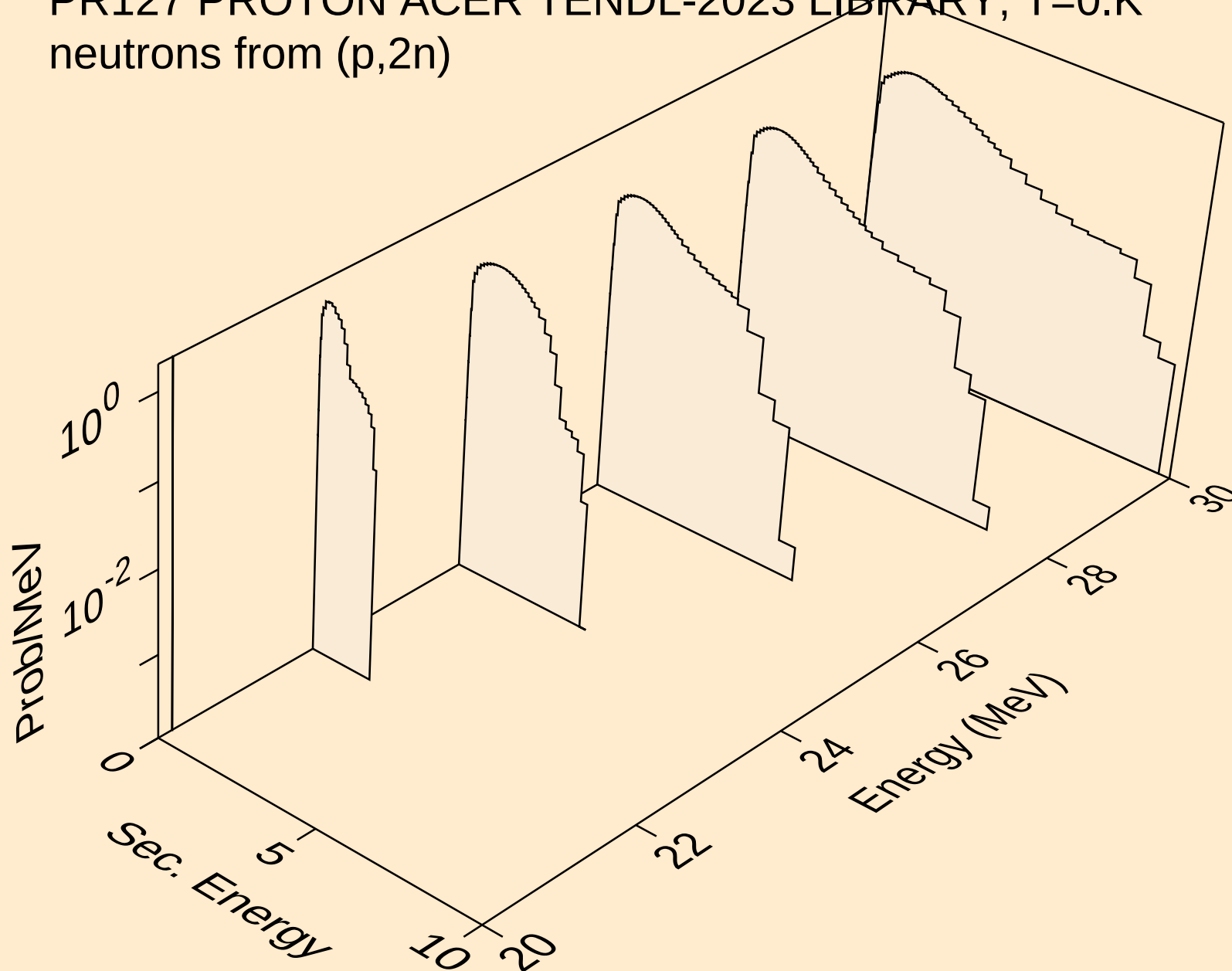




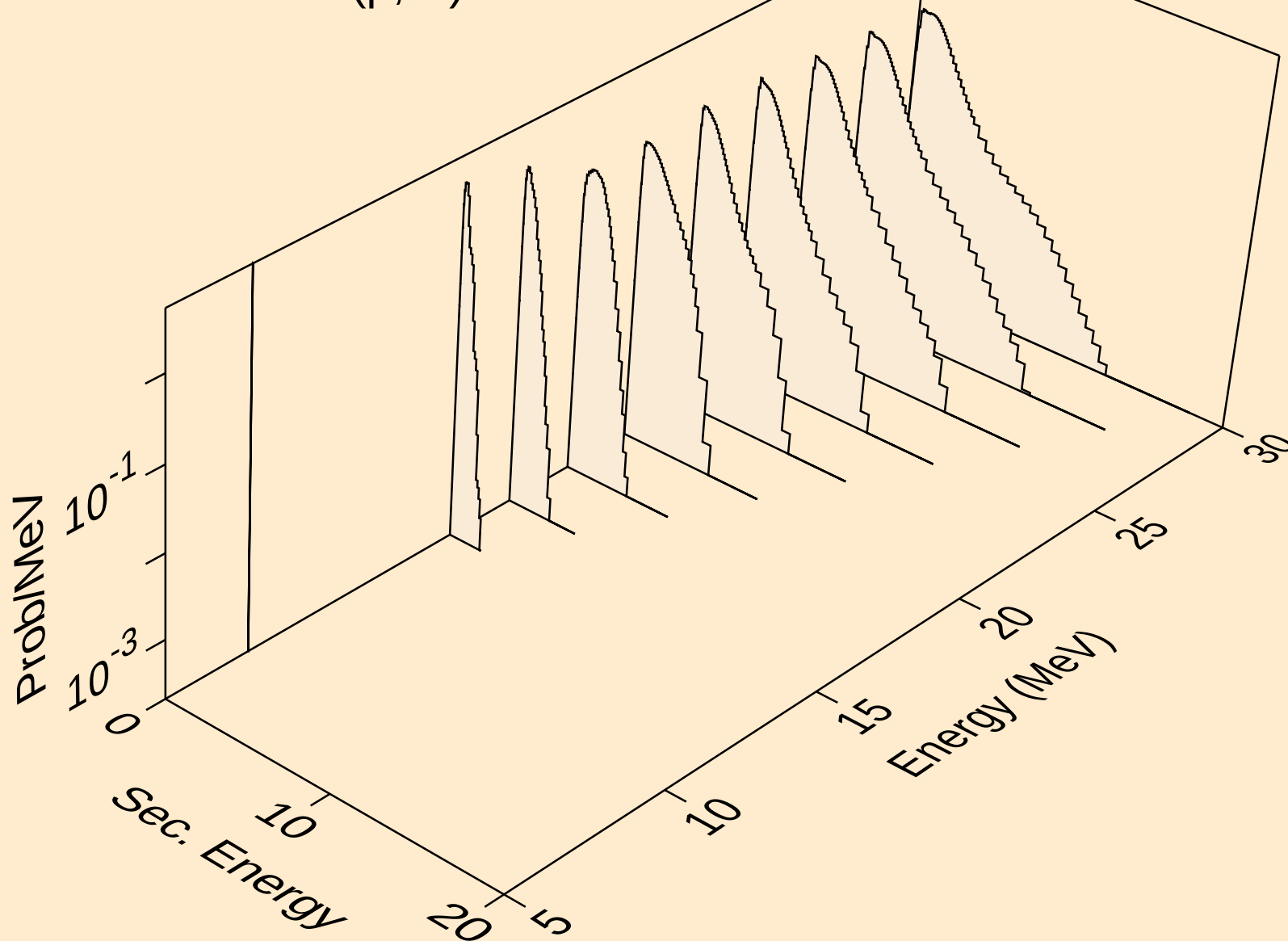
PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,x)



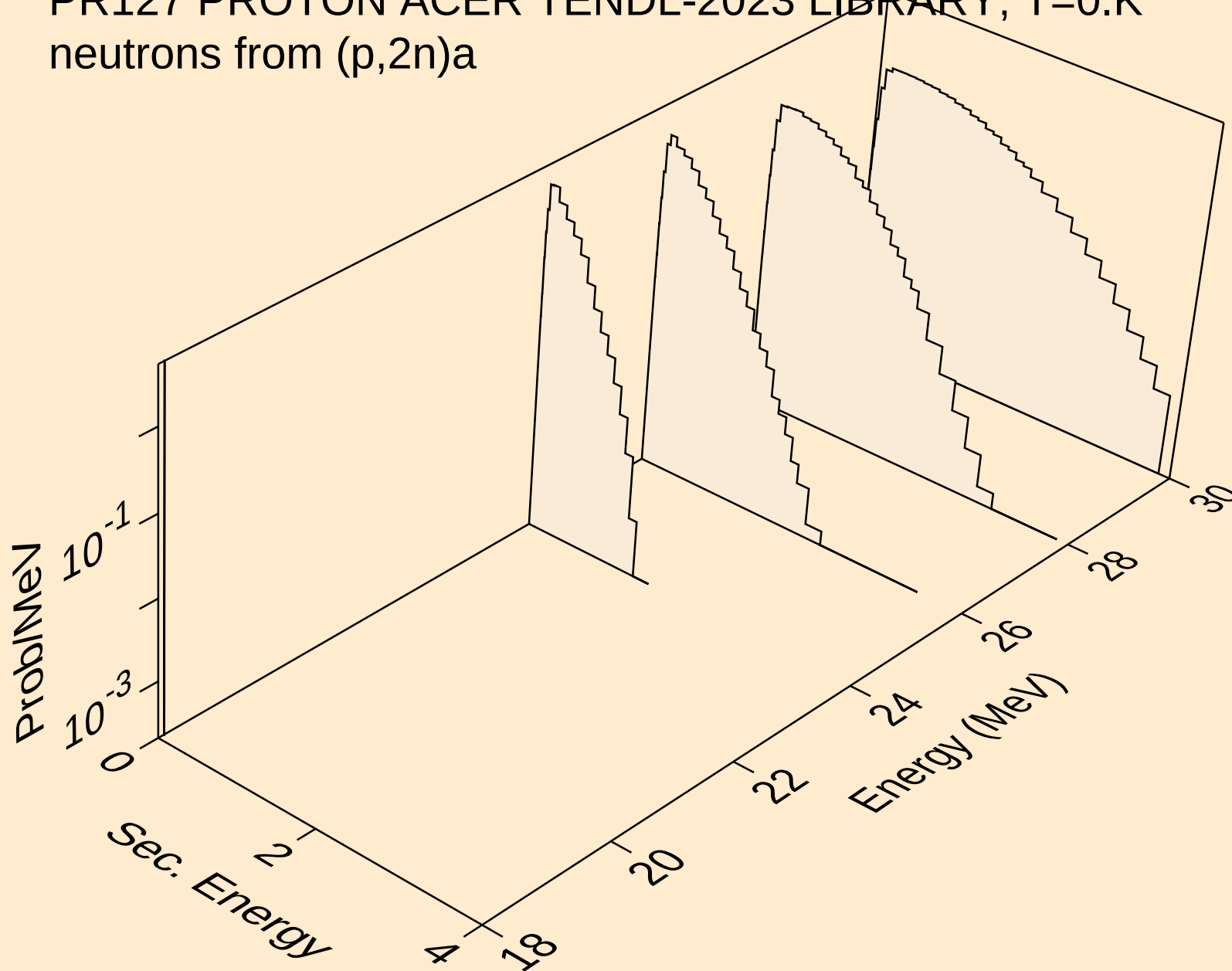
PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)



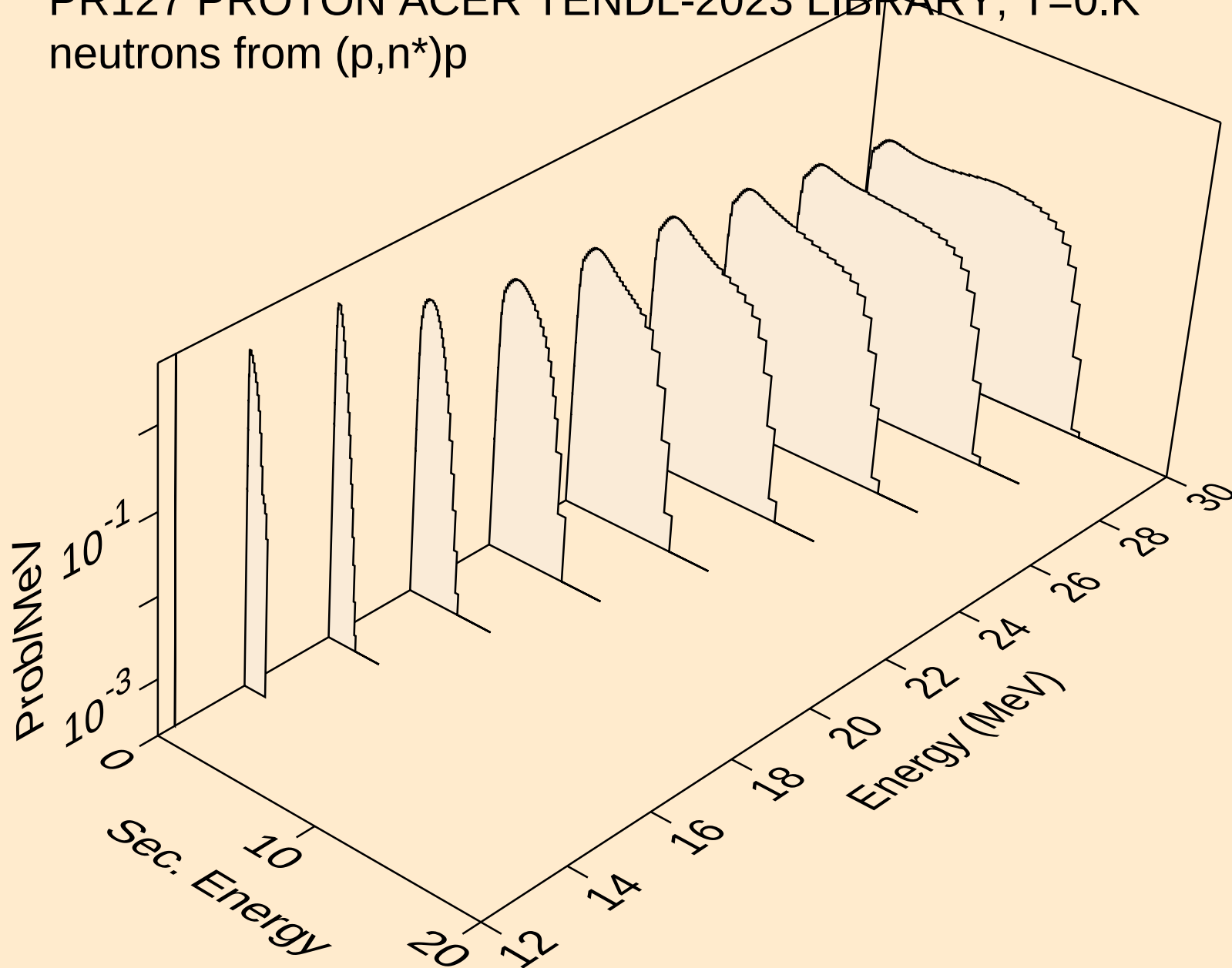
PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)a



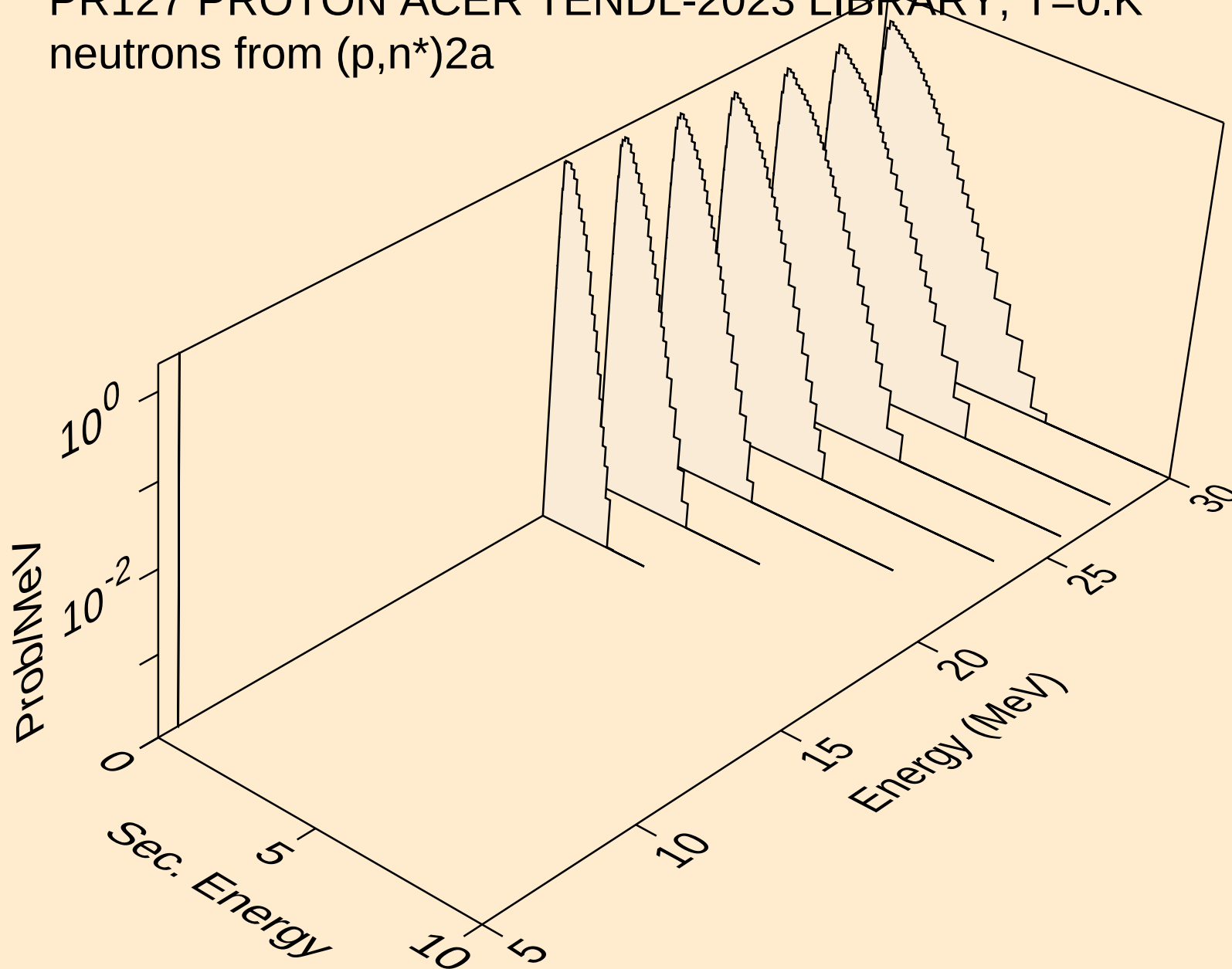
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neutrons from (p,2n)a



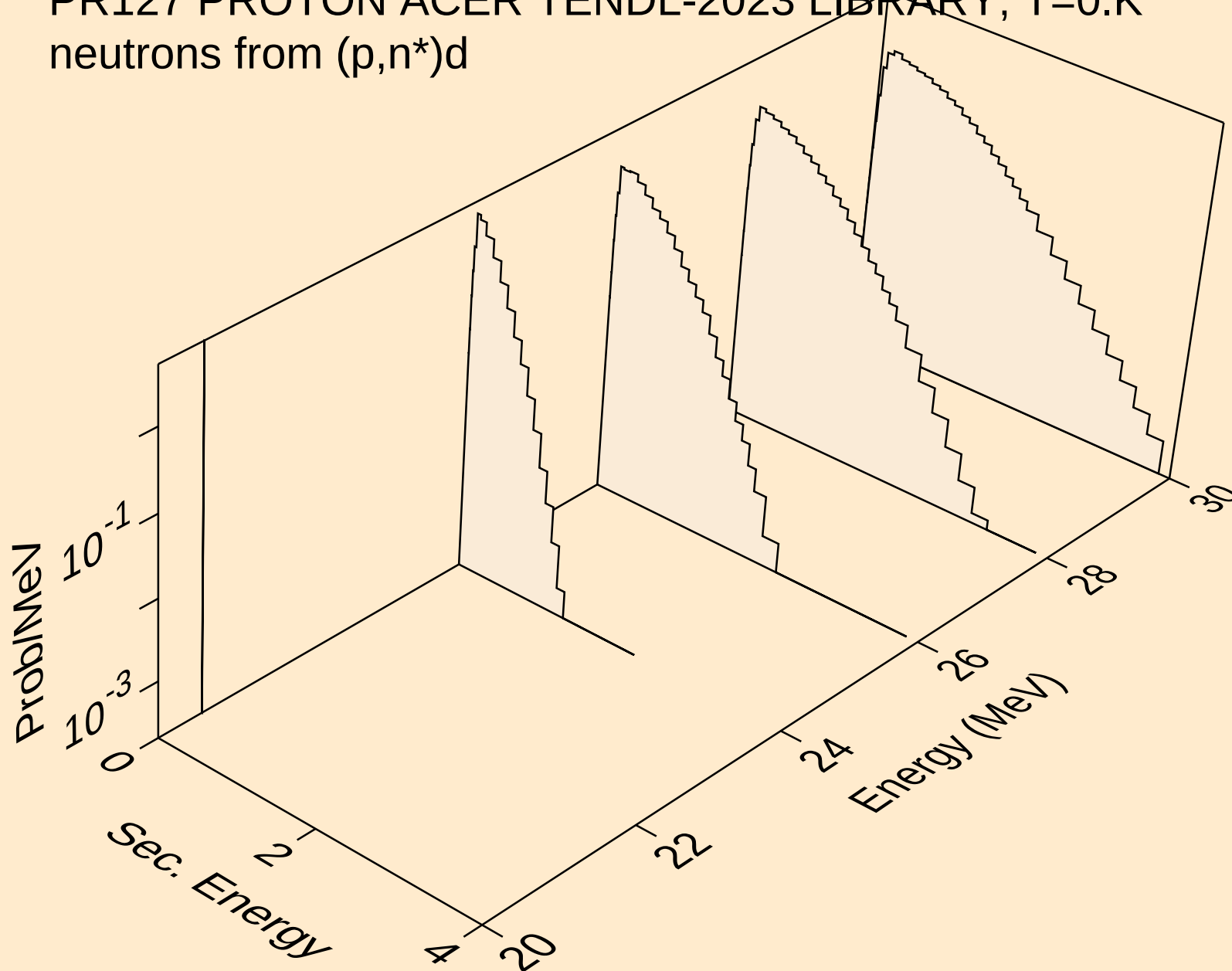
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neutrons from (p,n\*)p



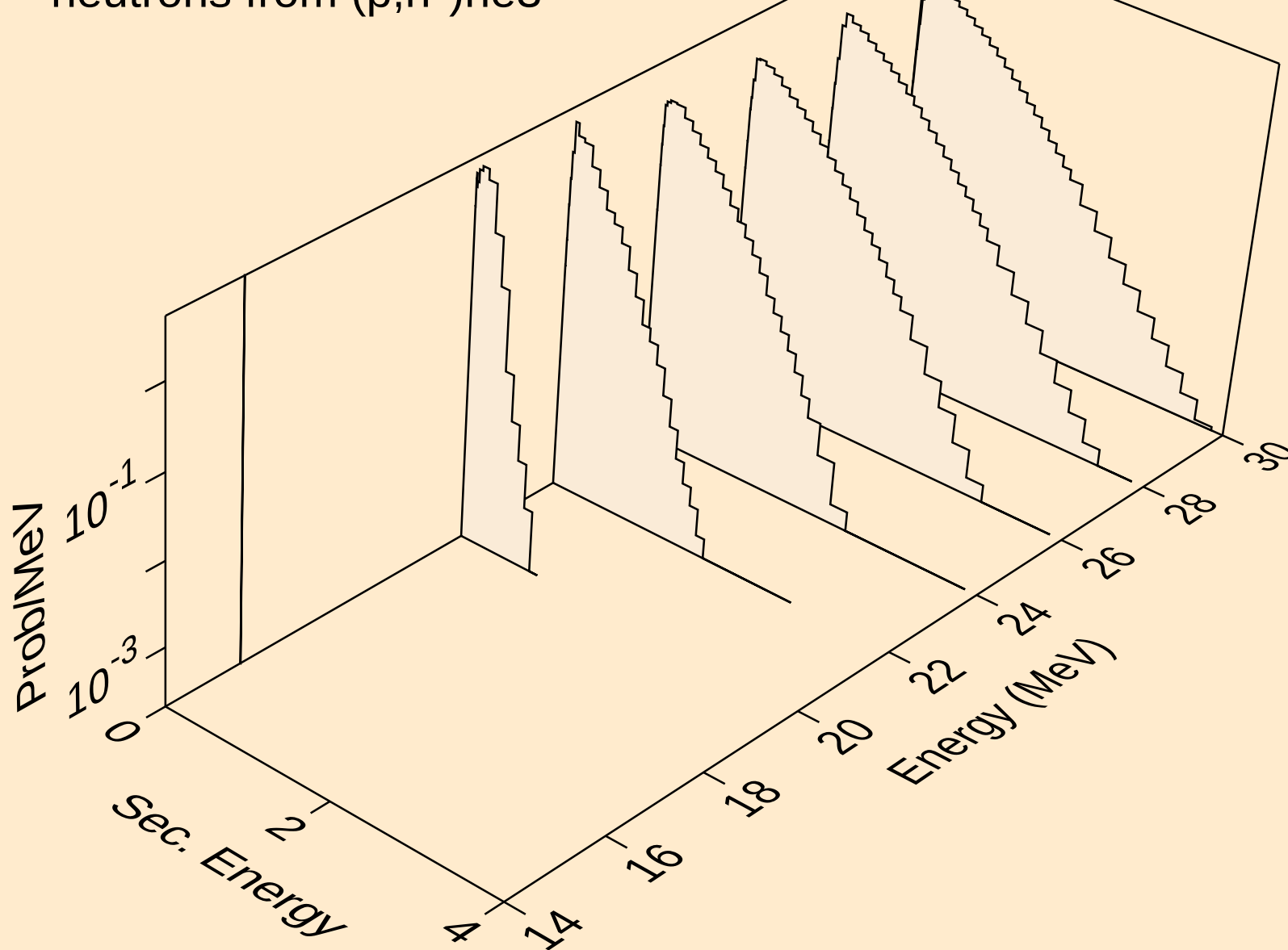
PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)2a



PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)d

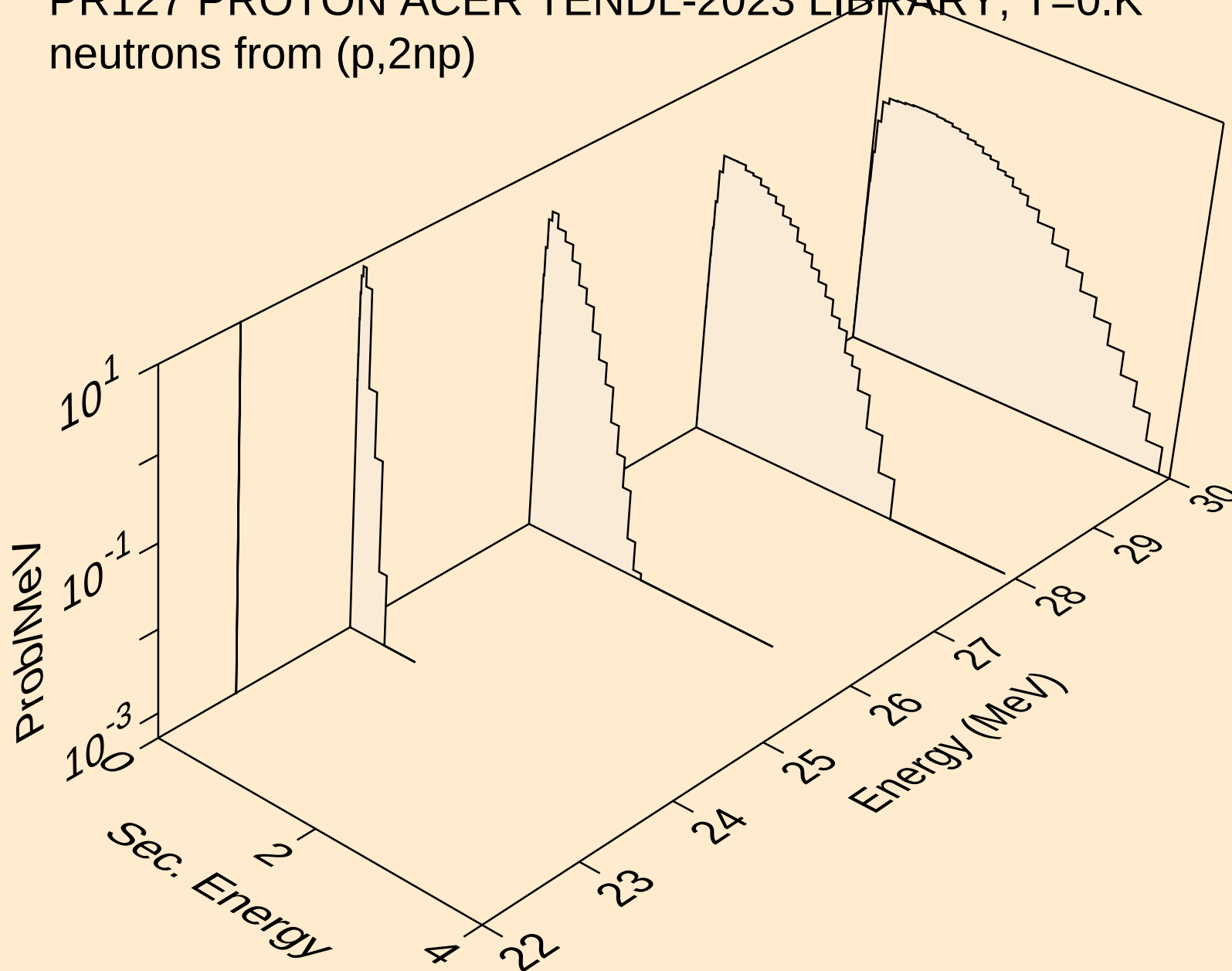


PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)he3

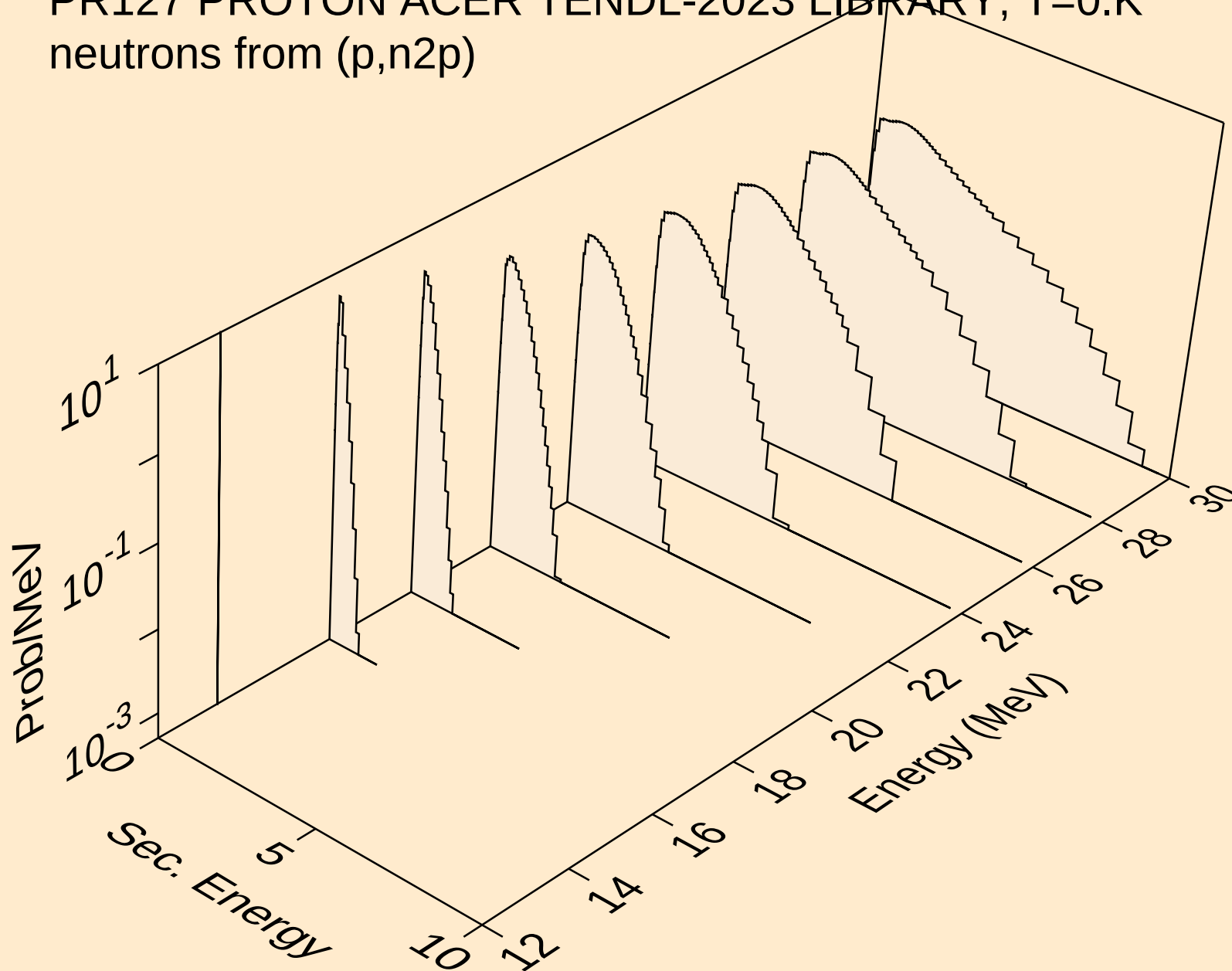




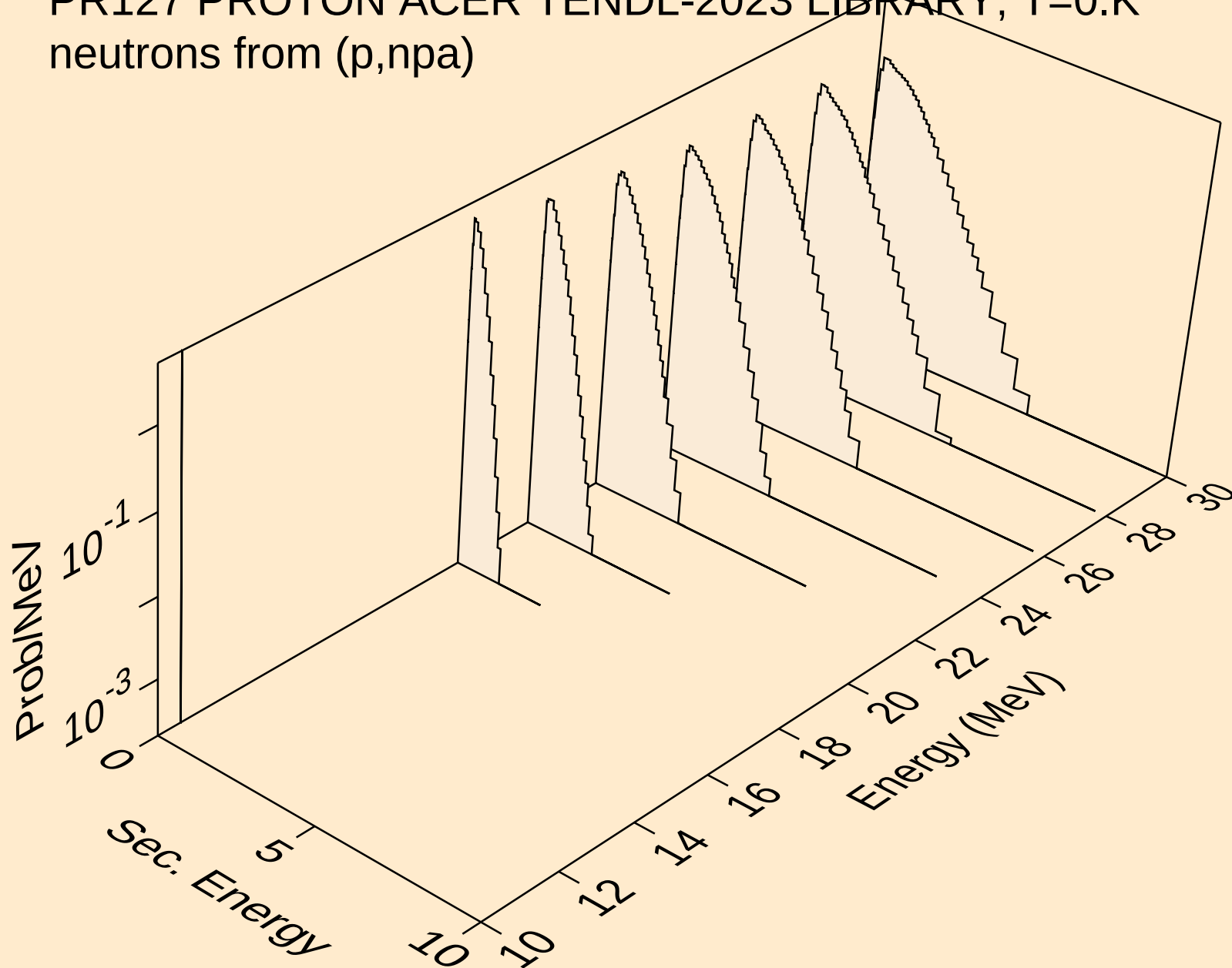
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neutrons from (p,2np)



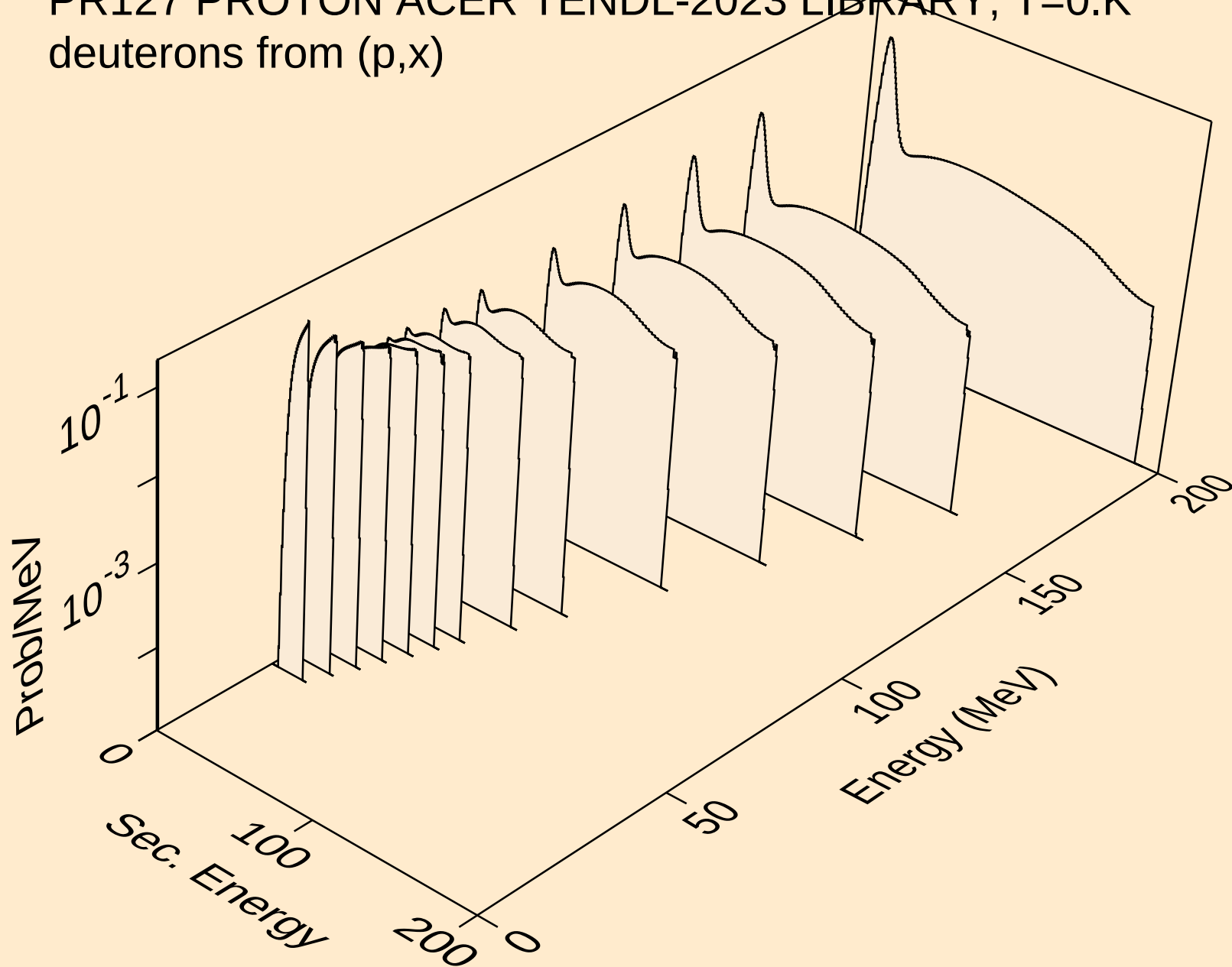
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neutrons from (p,n2p)



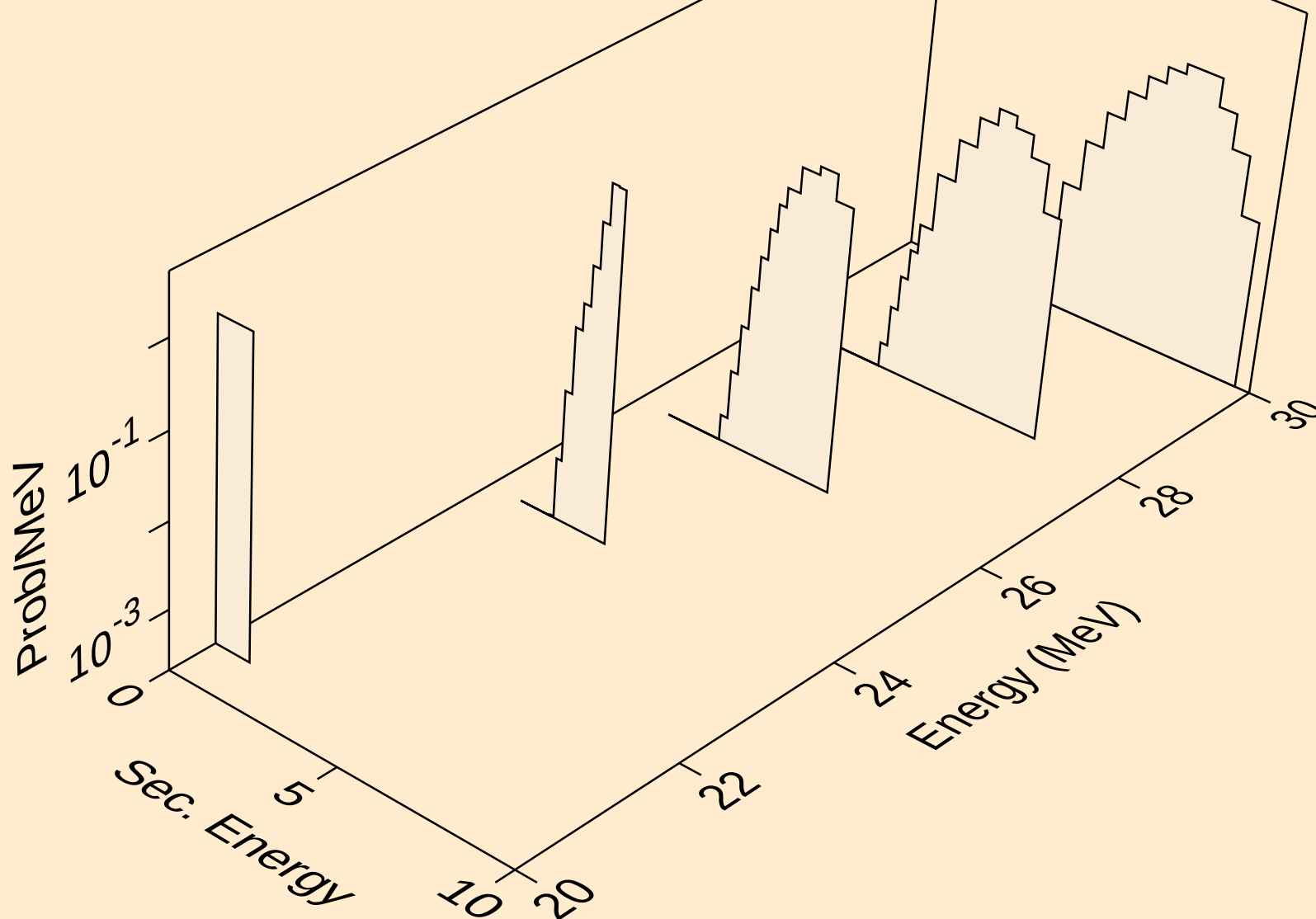
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neutrons from (p,npa)



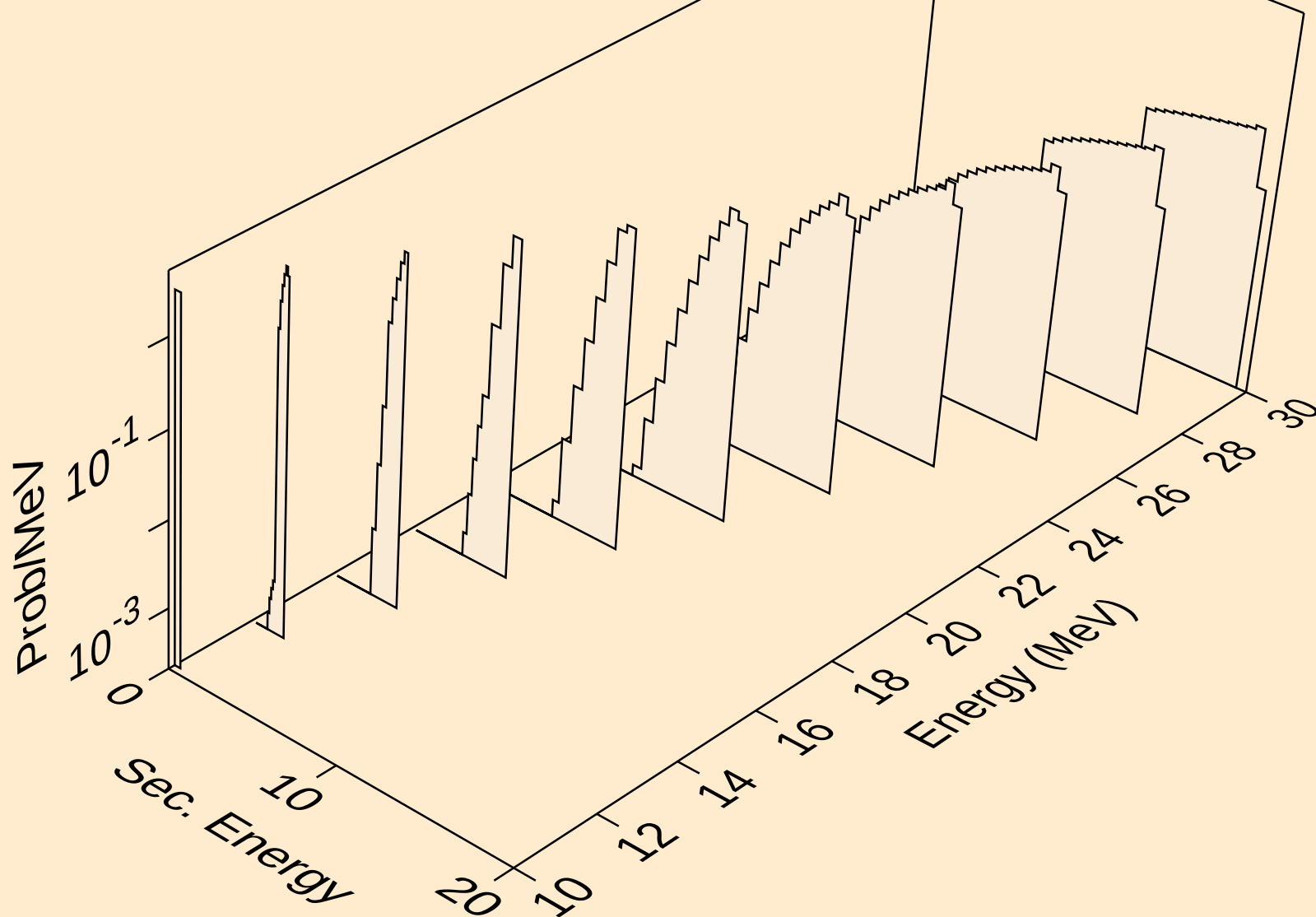
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deuterons from (p,x)



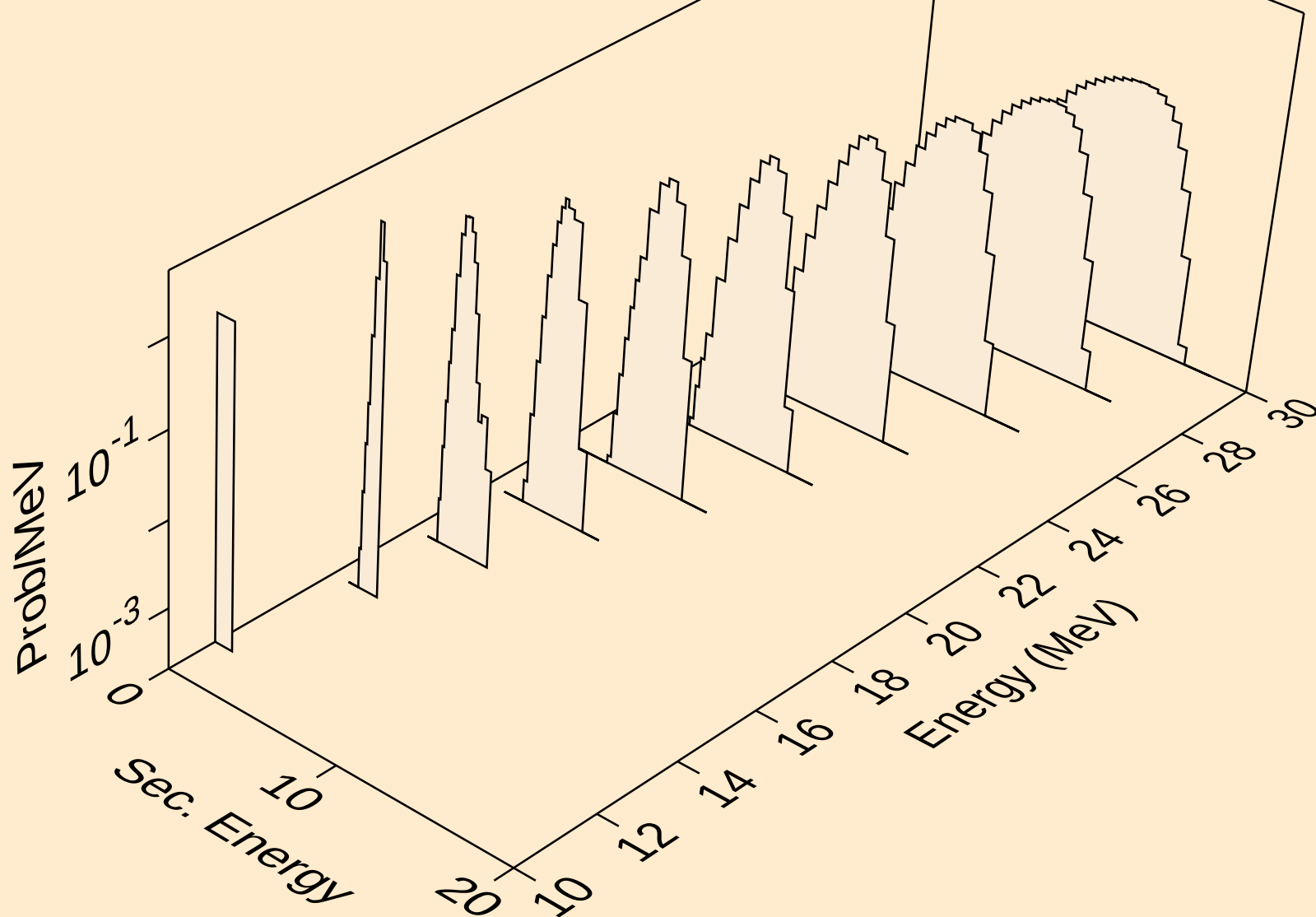
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deuterons from (p,n\*)d



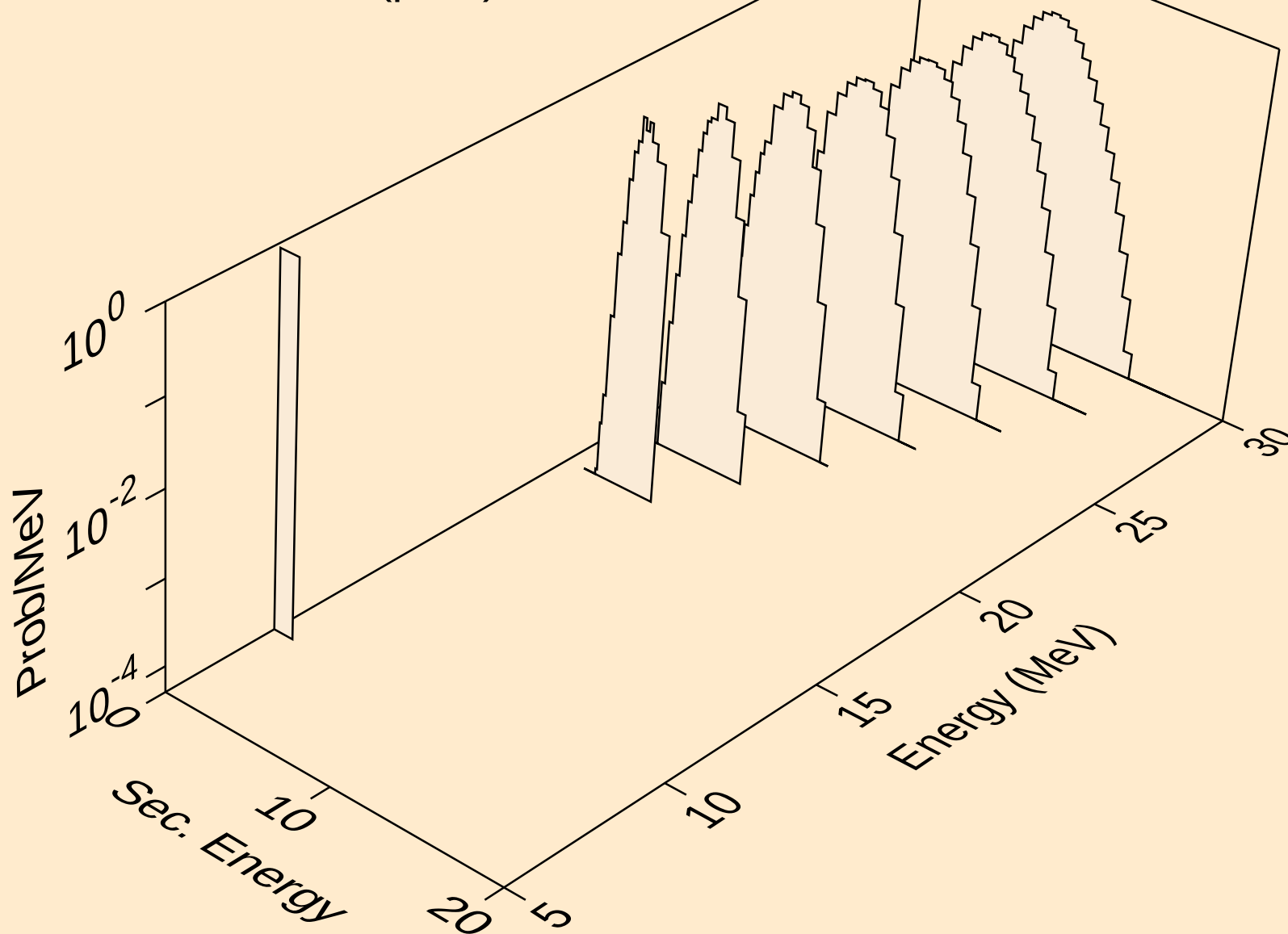
PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,d)



PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,pd)

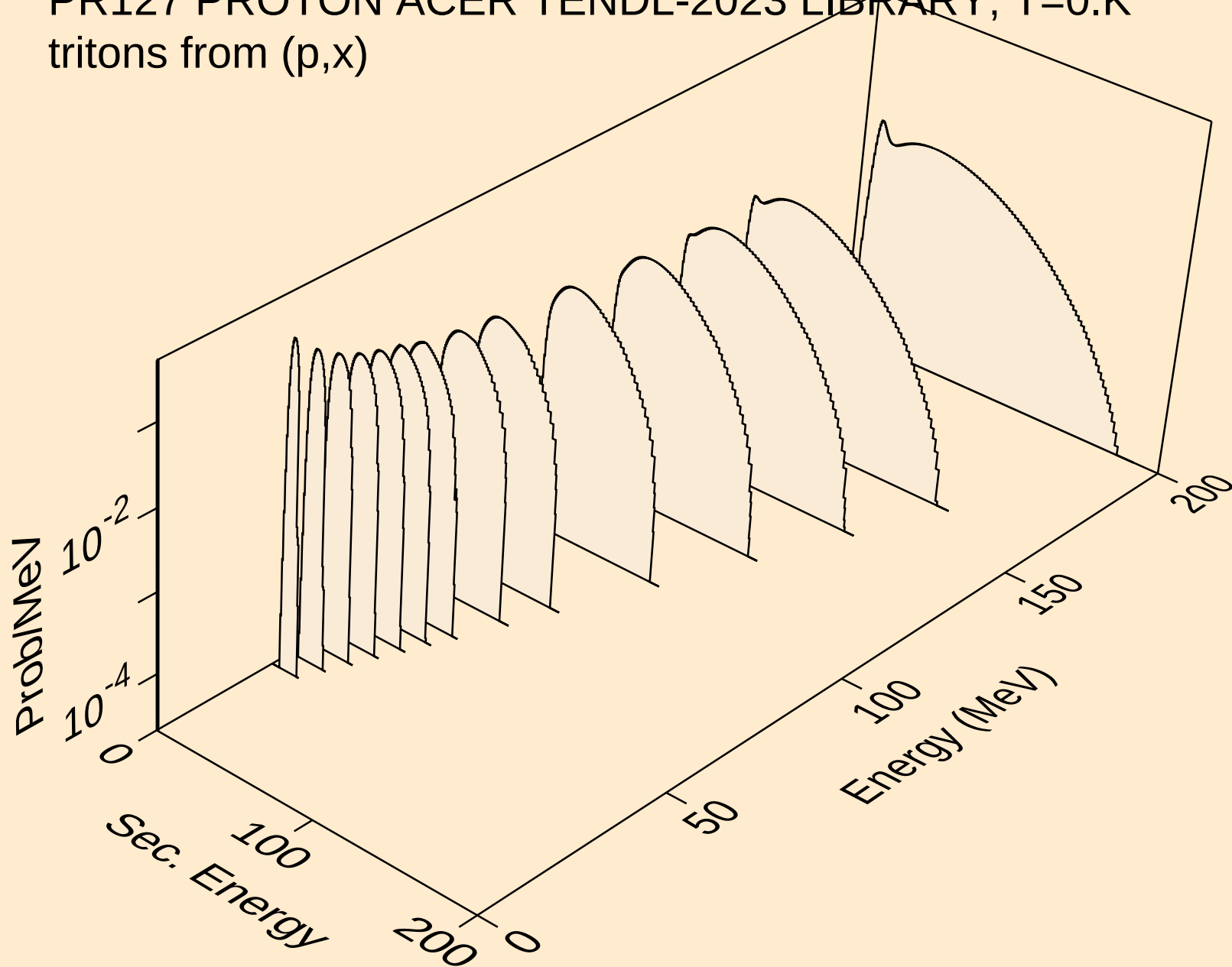


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deuterons from (p,da)

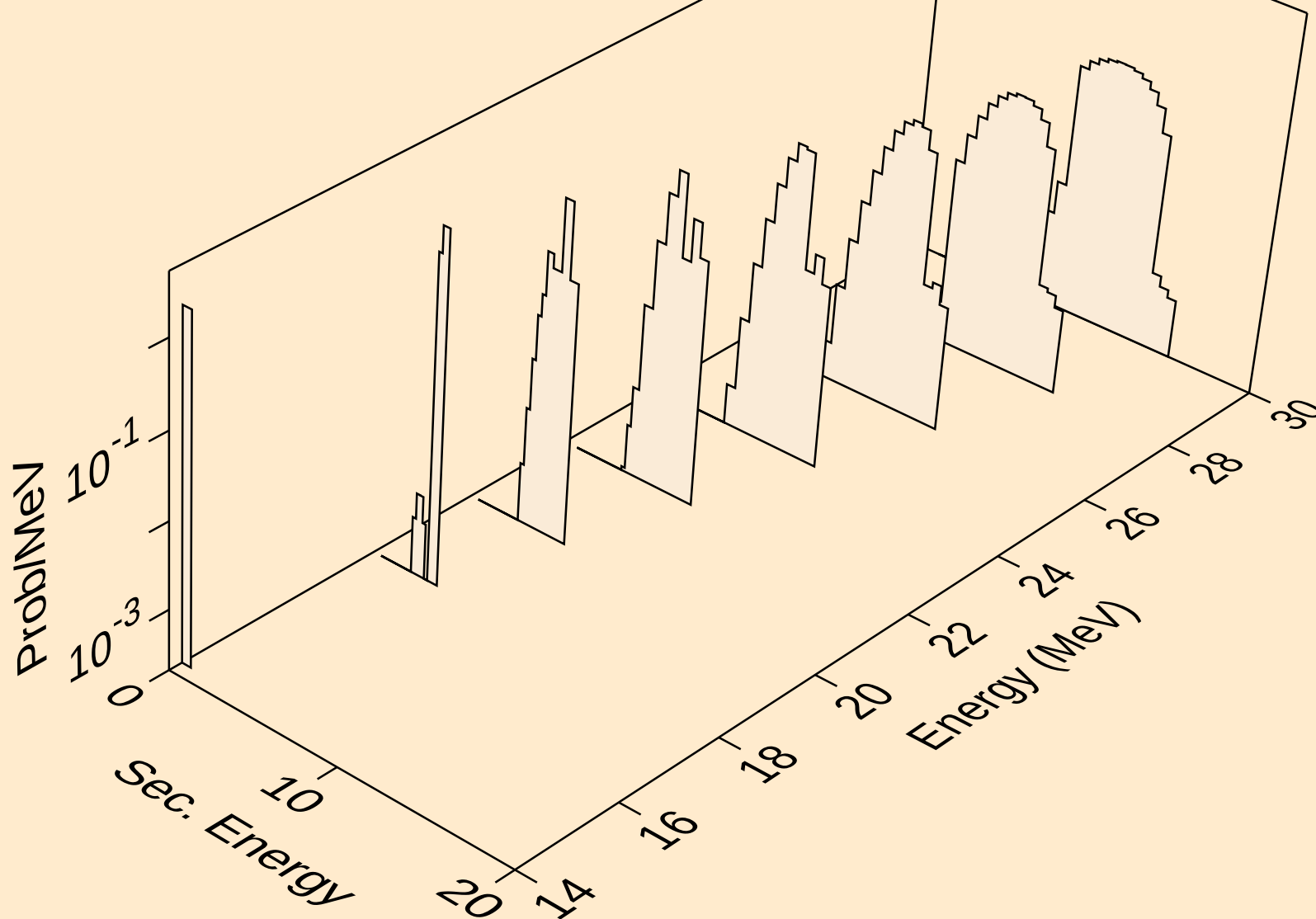




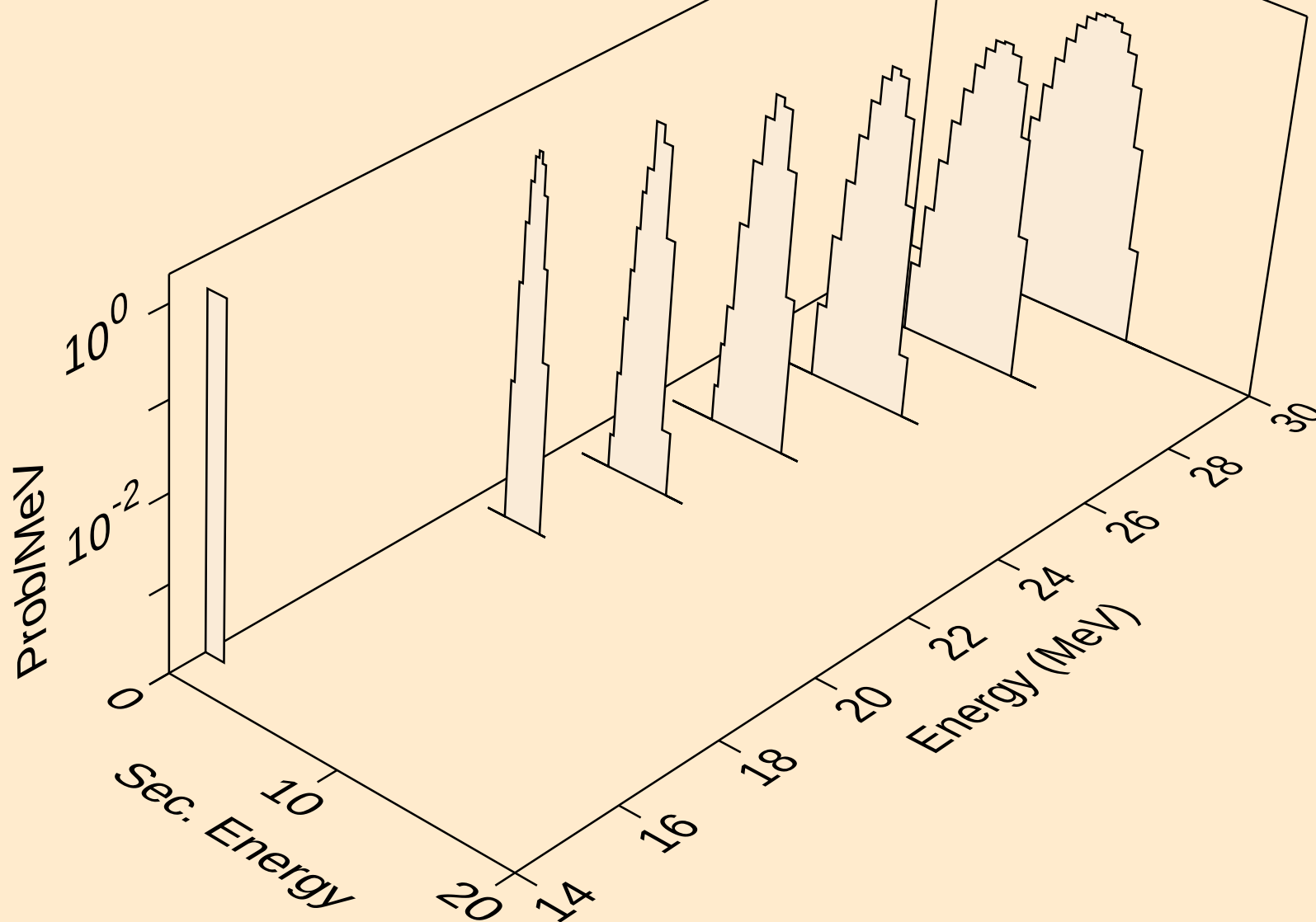
PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,x)



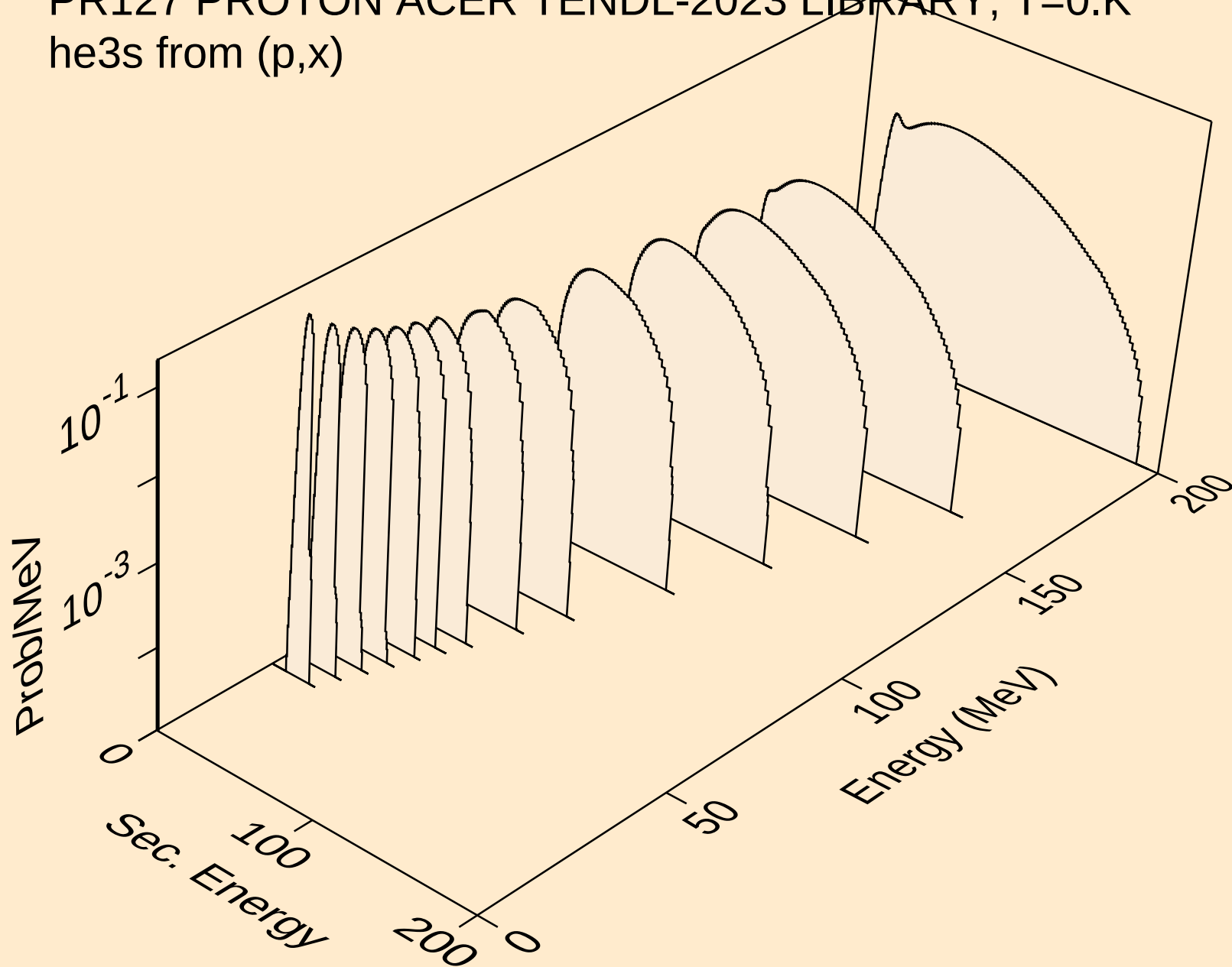
PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,t)



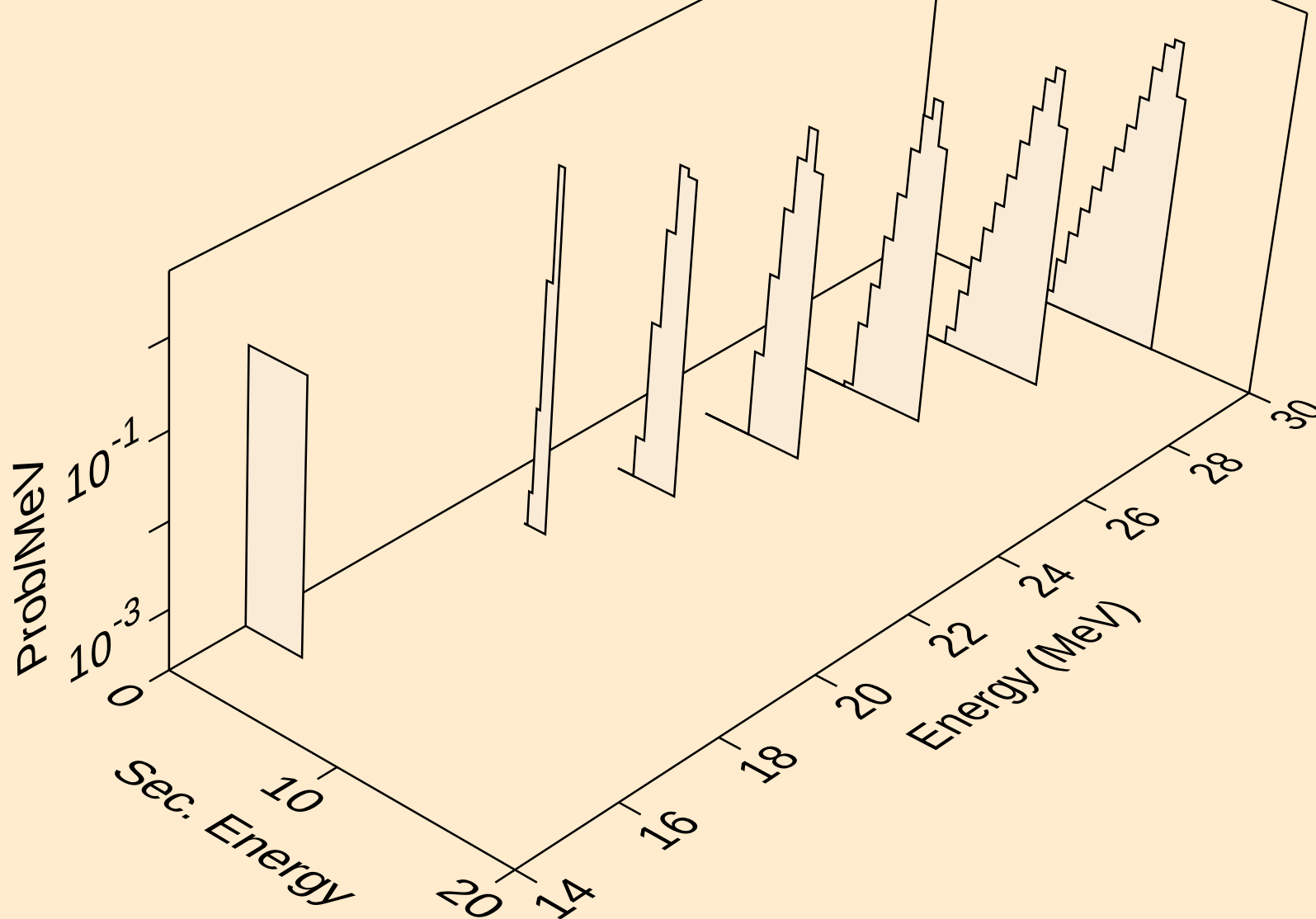
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tritons from (p,pt)



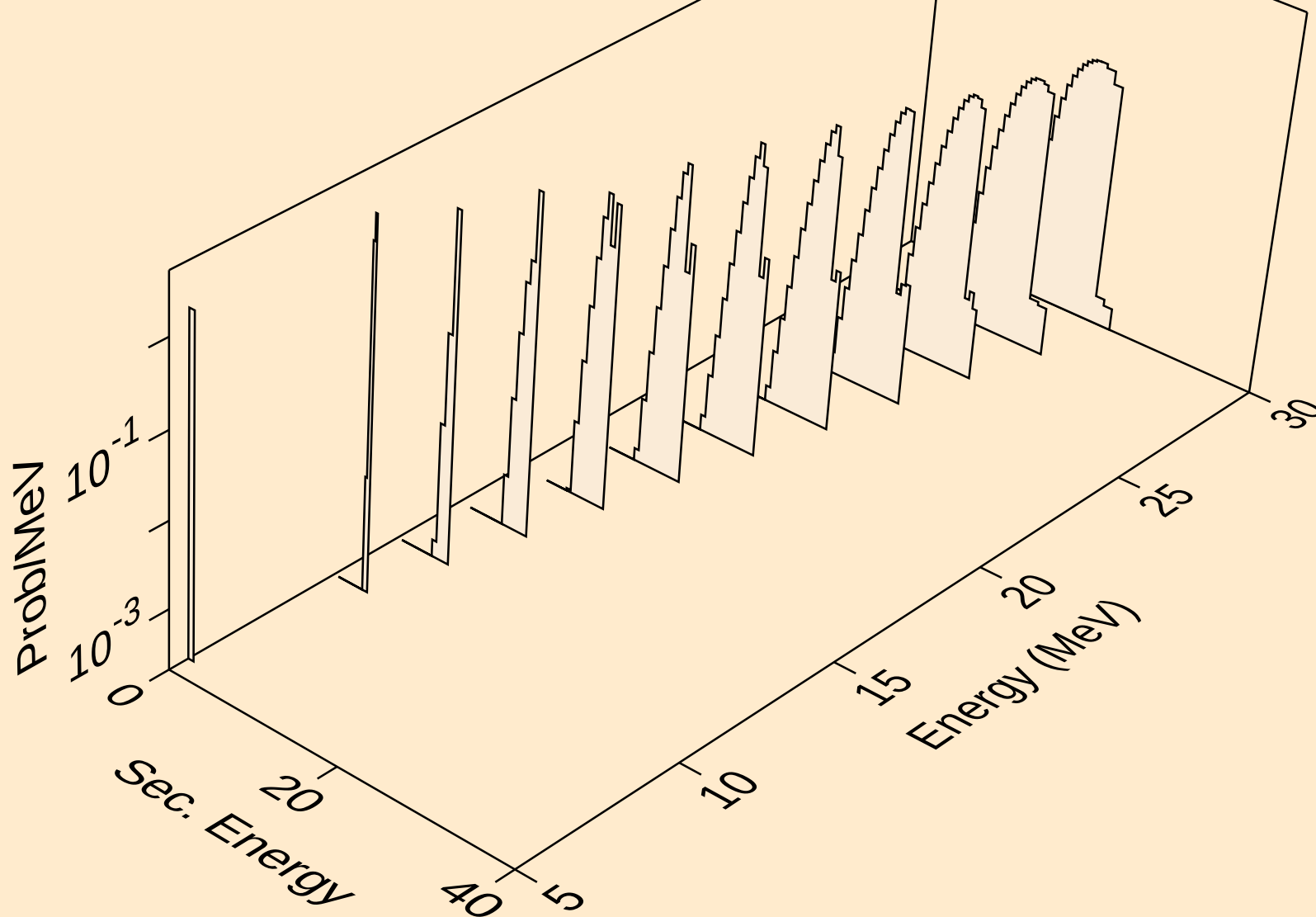
PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,x)



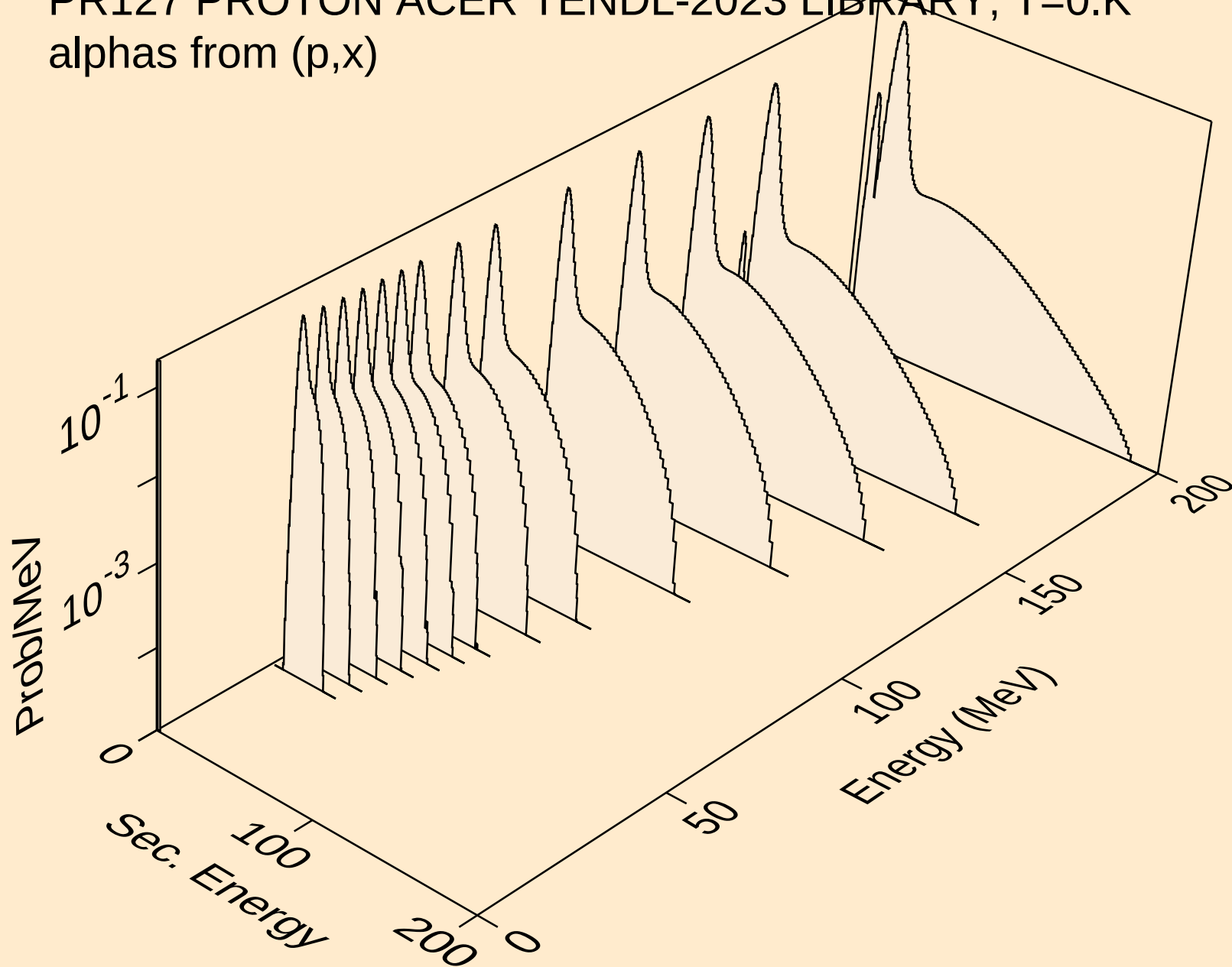
PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,n\*)he3



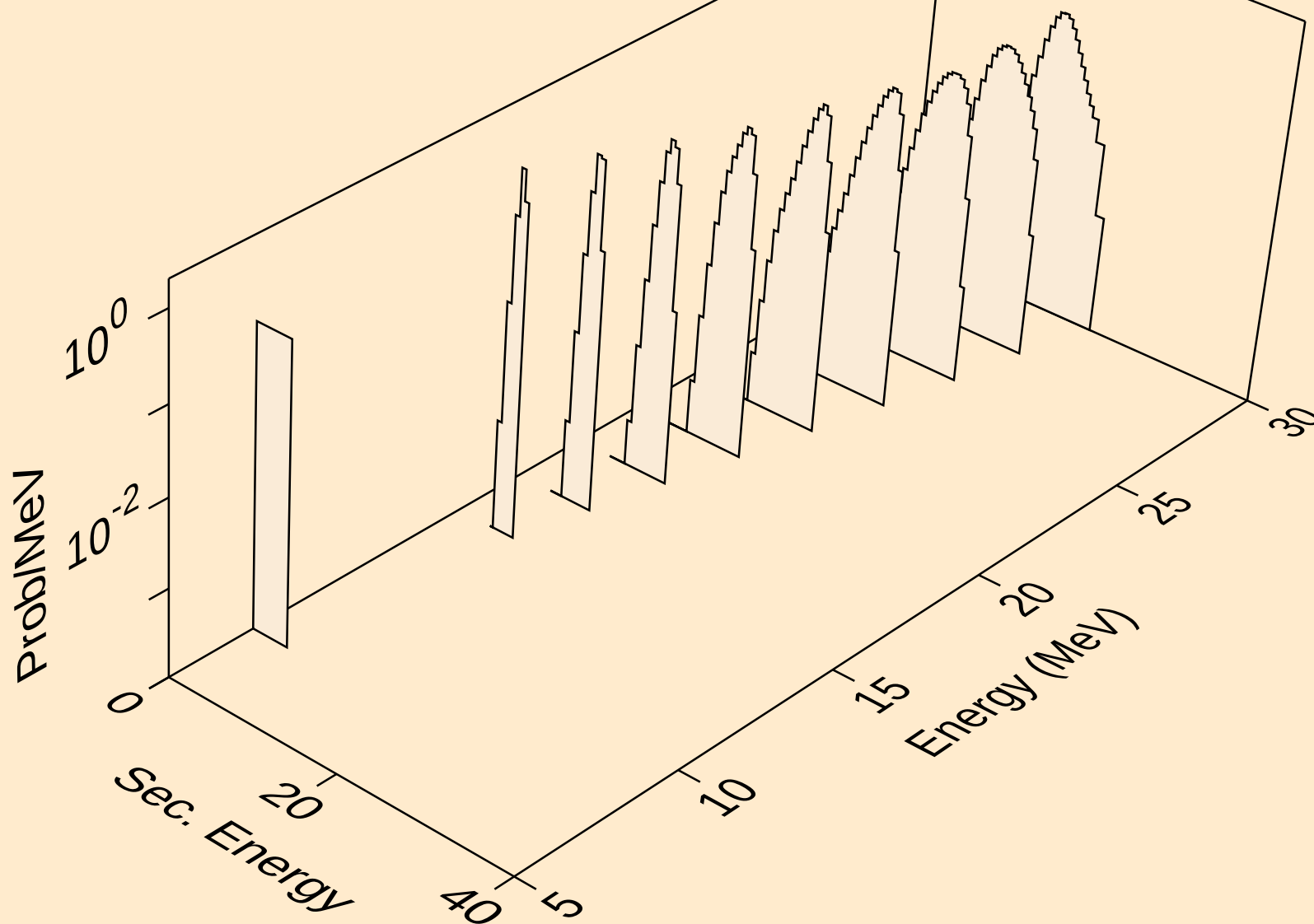
PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,he3)



PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)

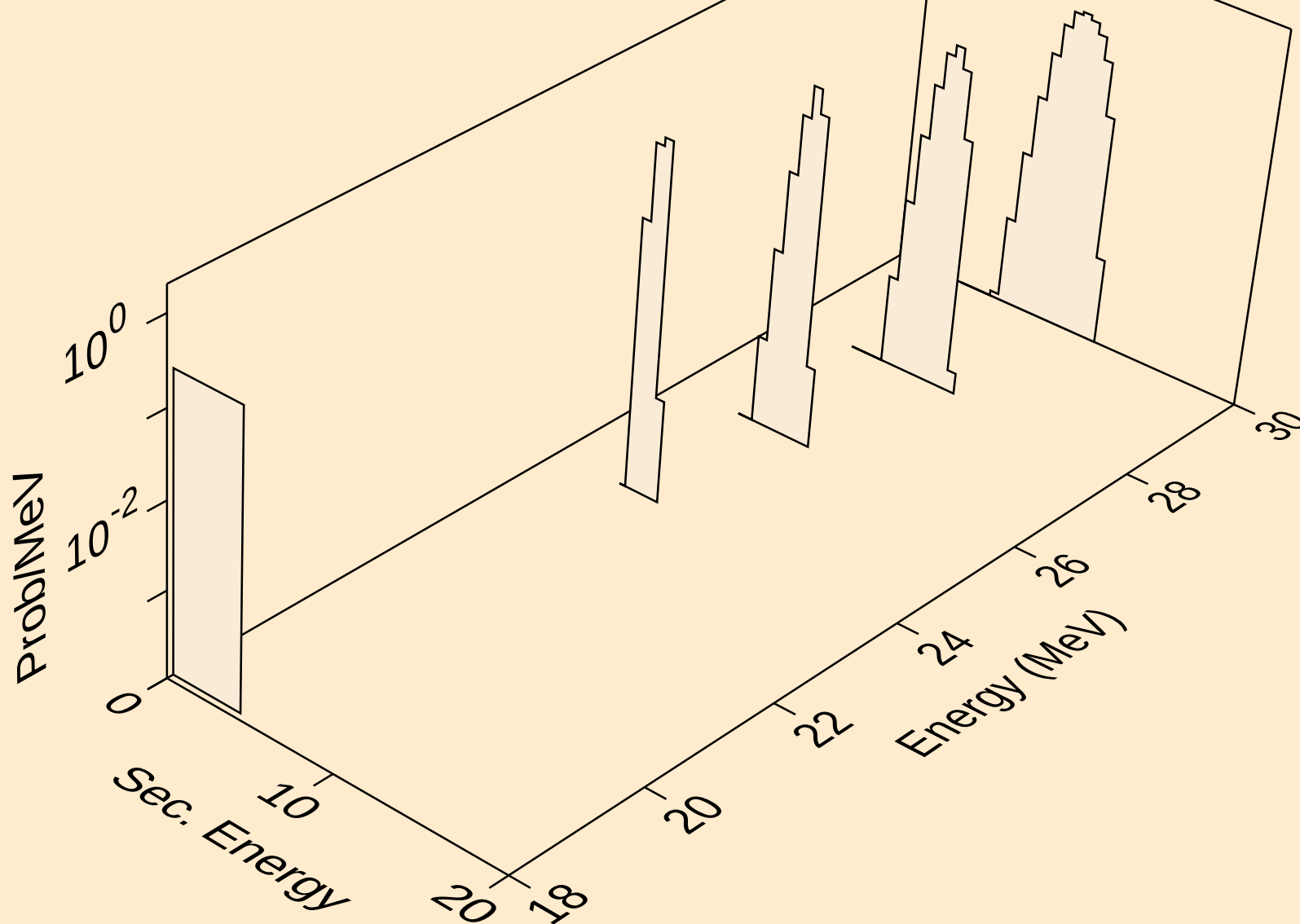


PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a

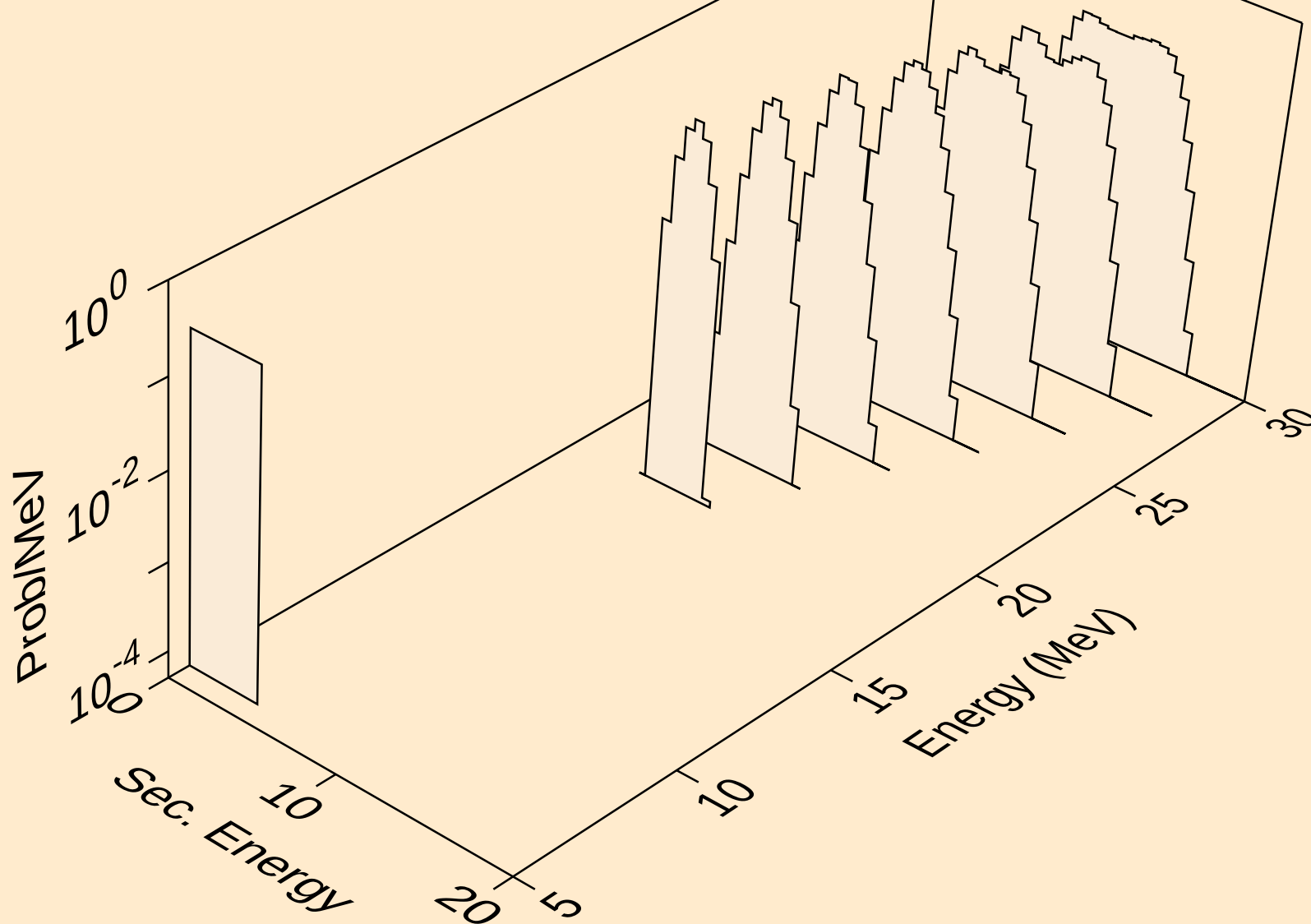




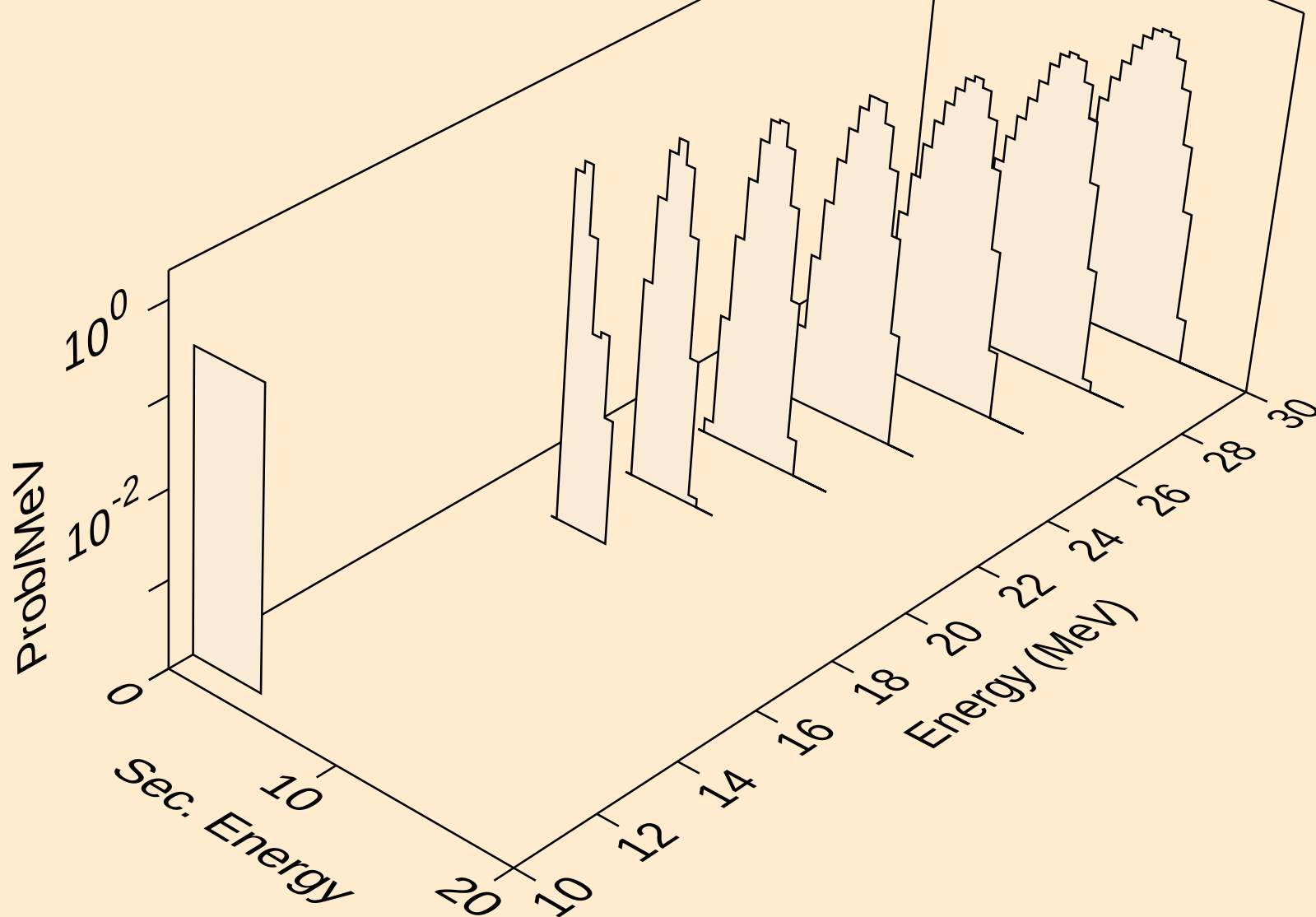
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alphas from (p,2n)a



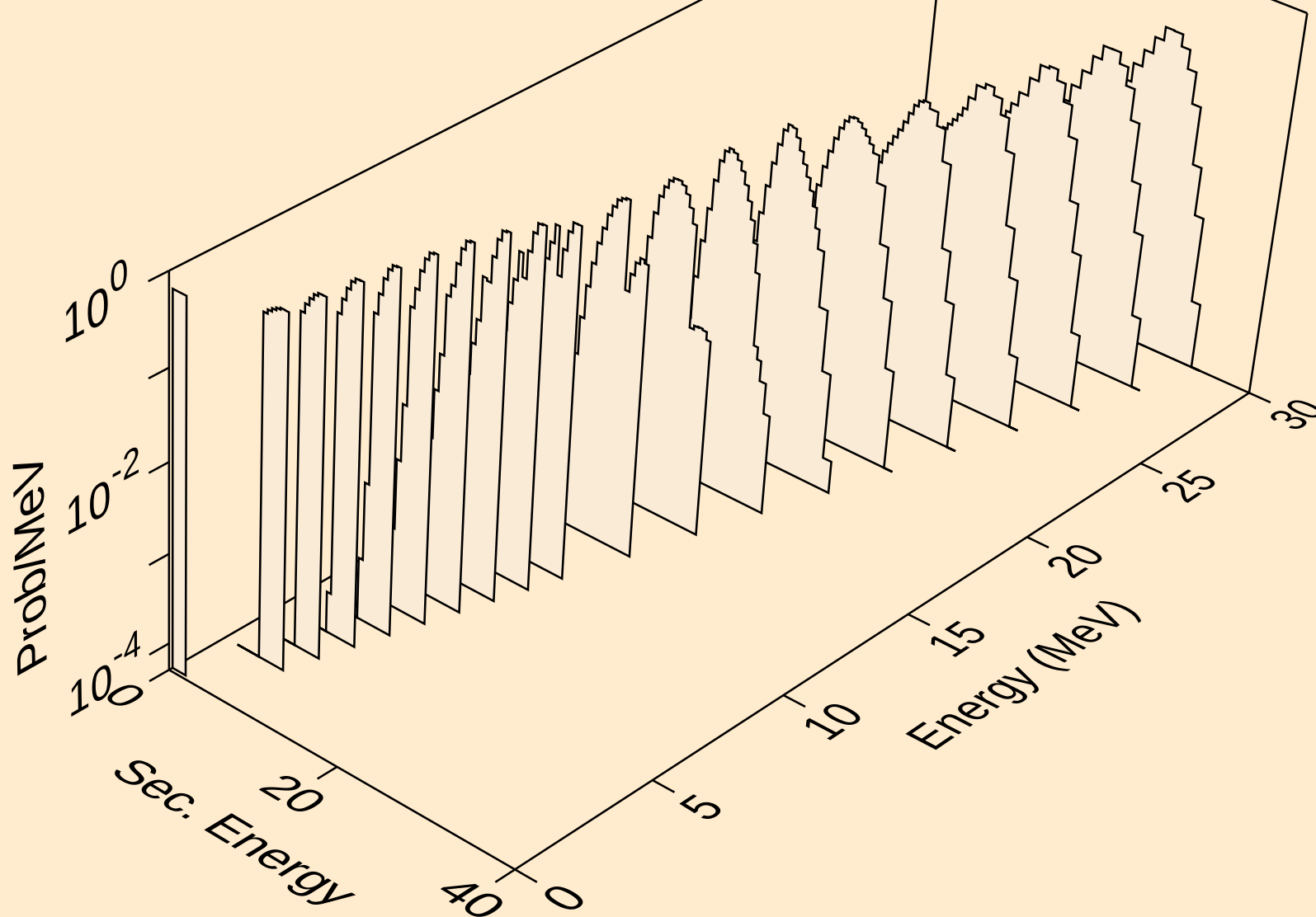
PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)2a



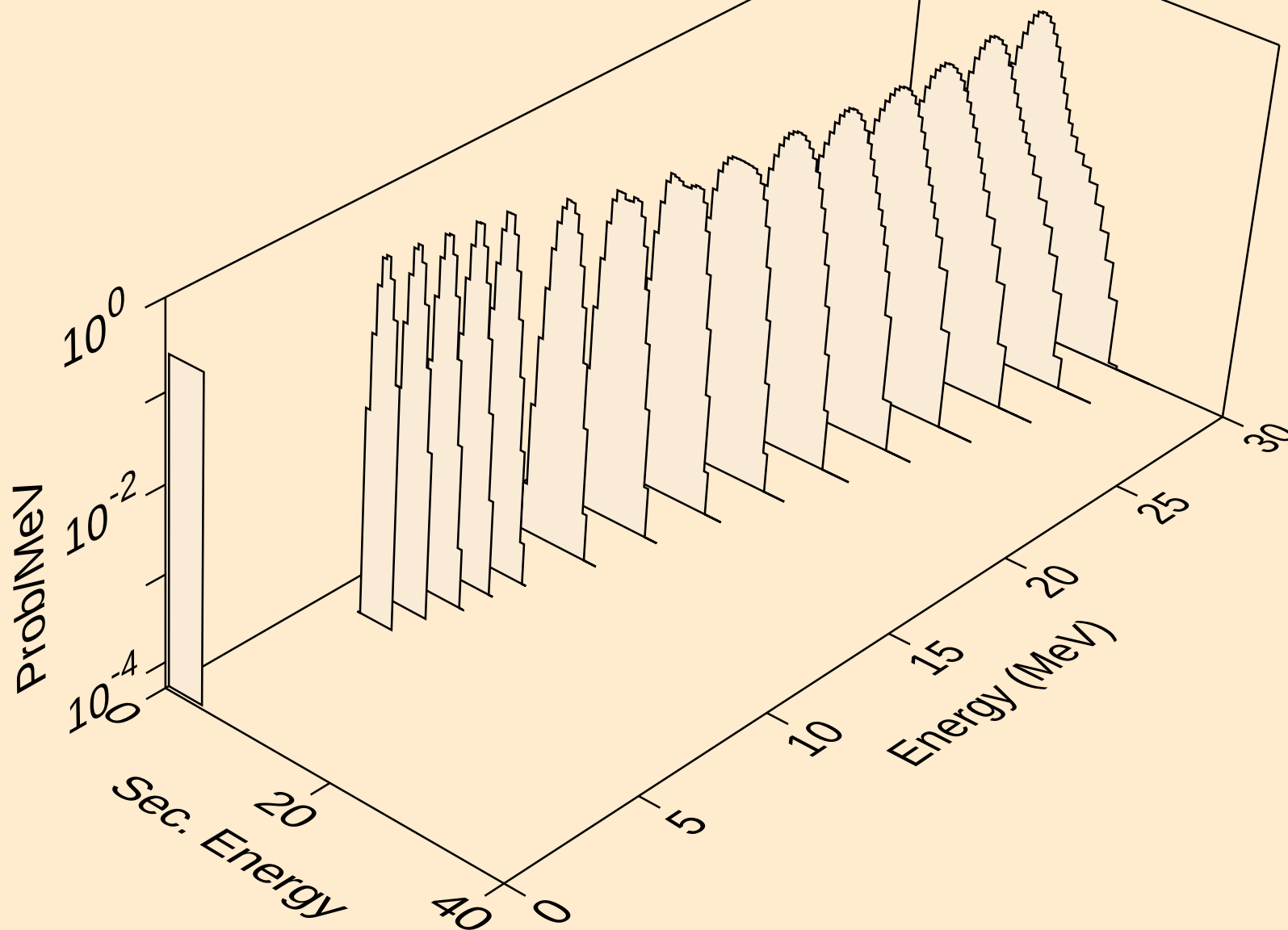
PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,npa)



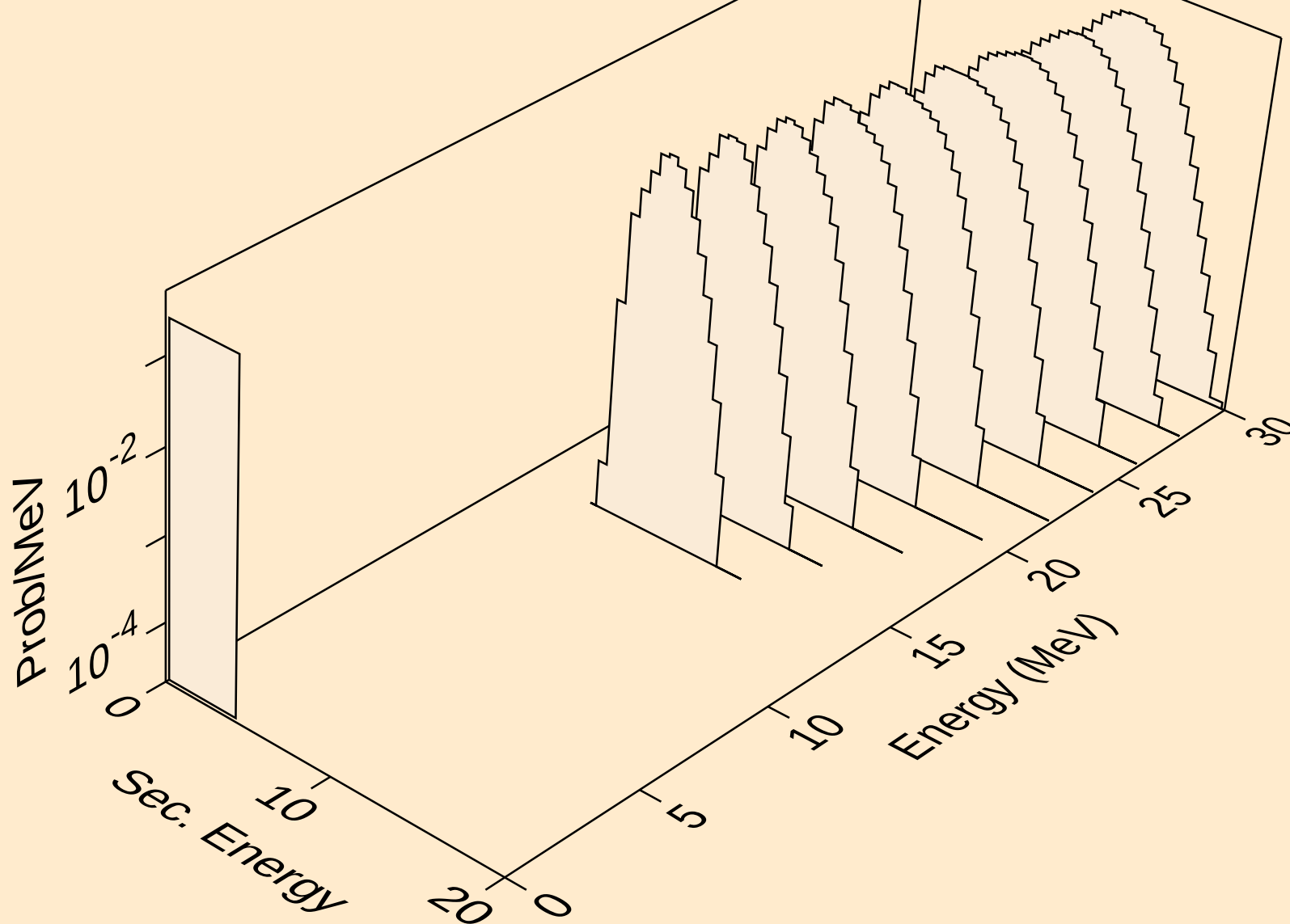
PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,a)



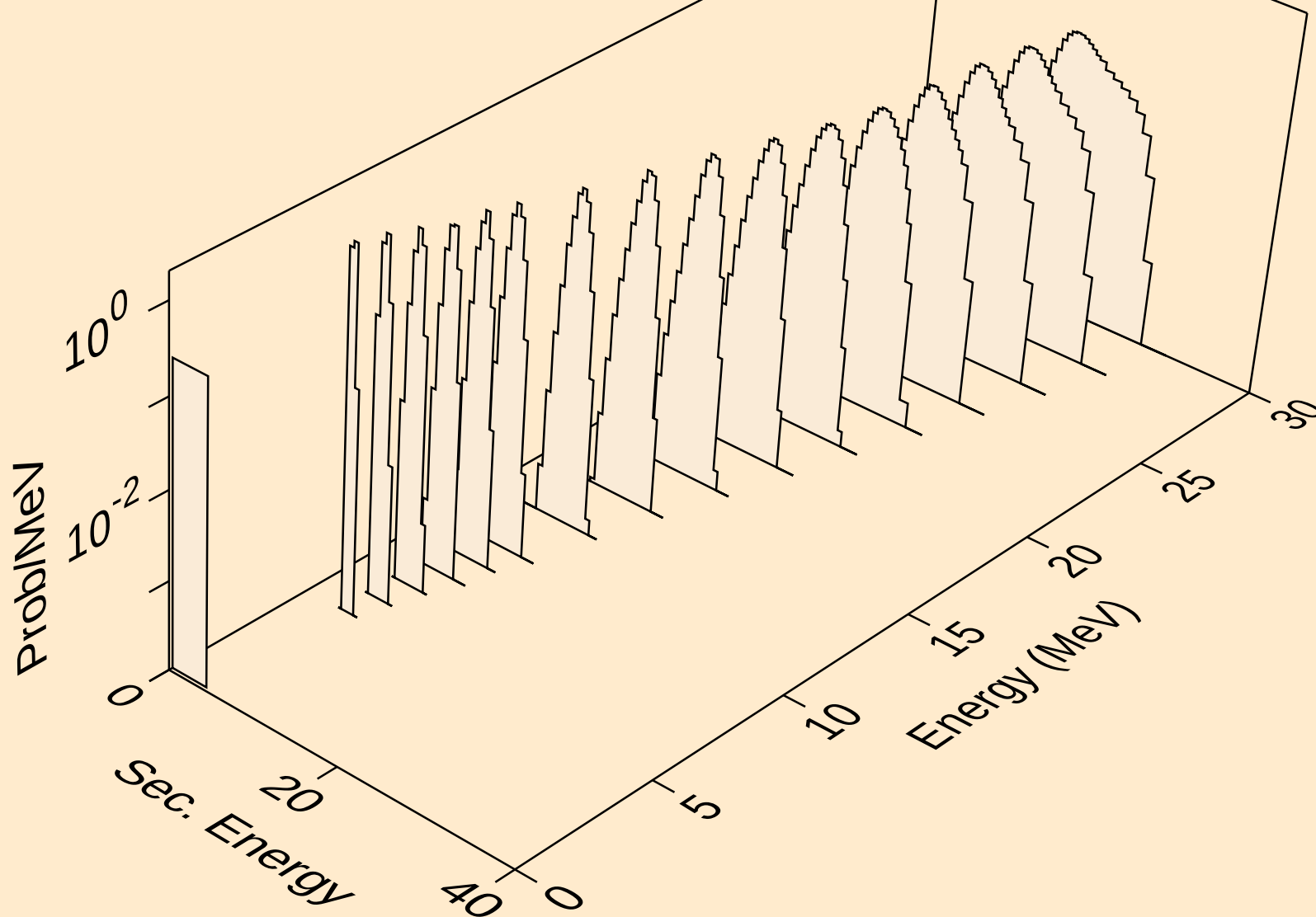
PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2a)



PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,3a)



PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,pa)



PR127 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,da)

