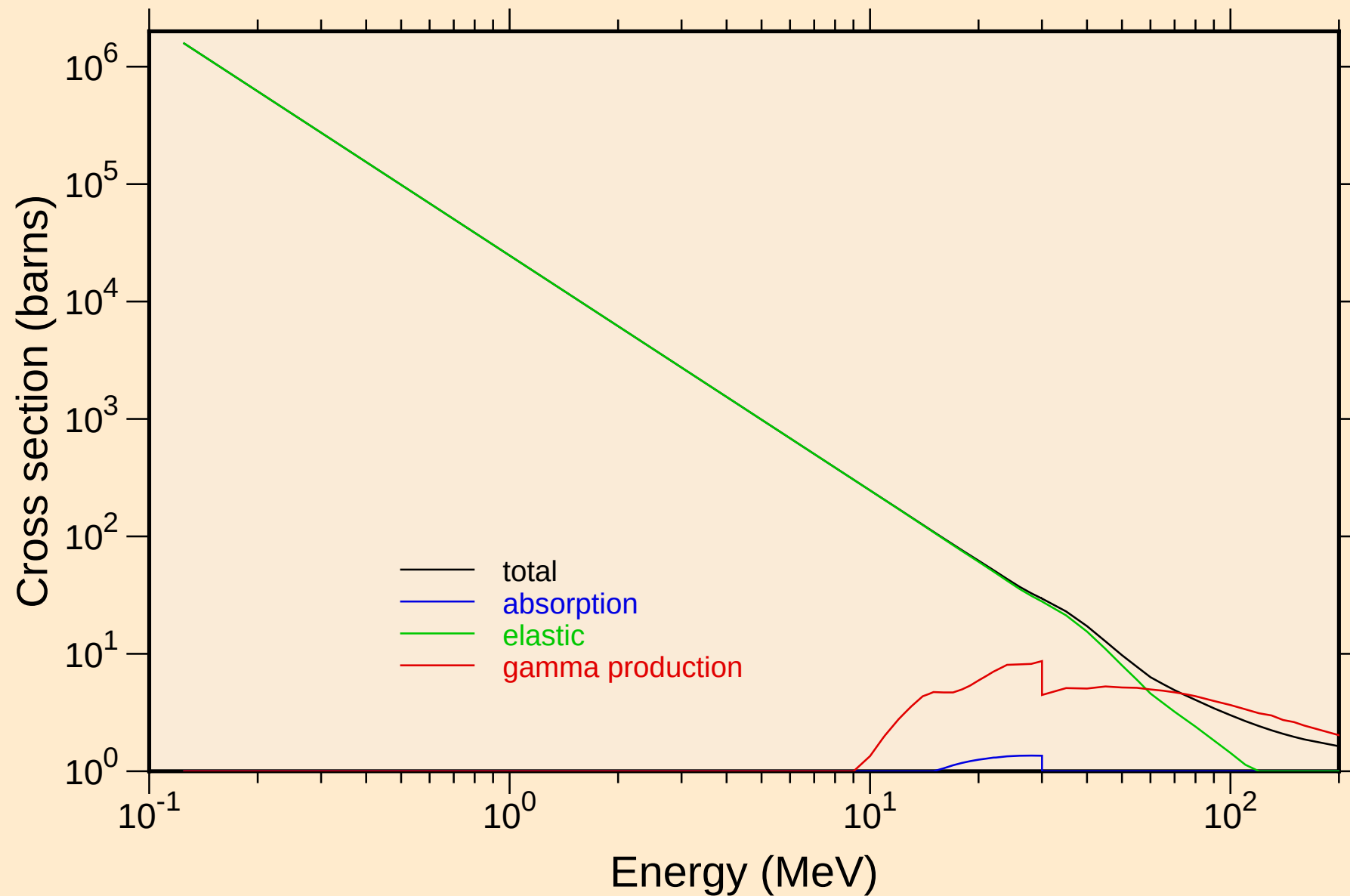


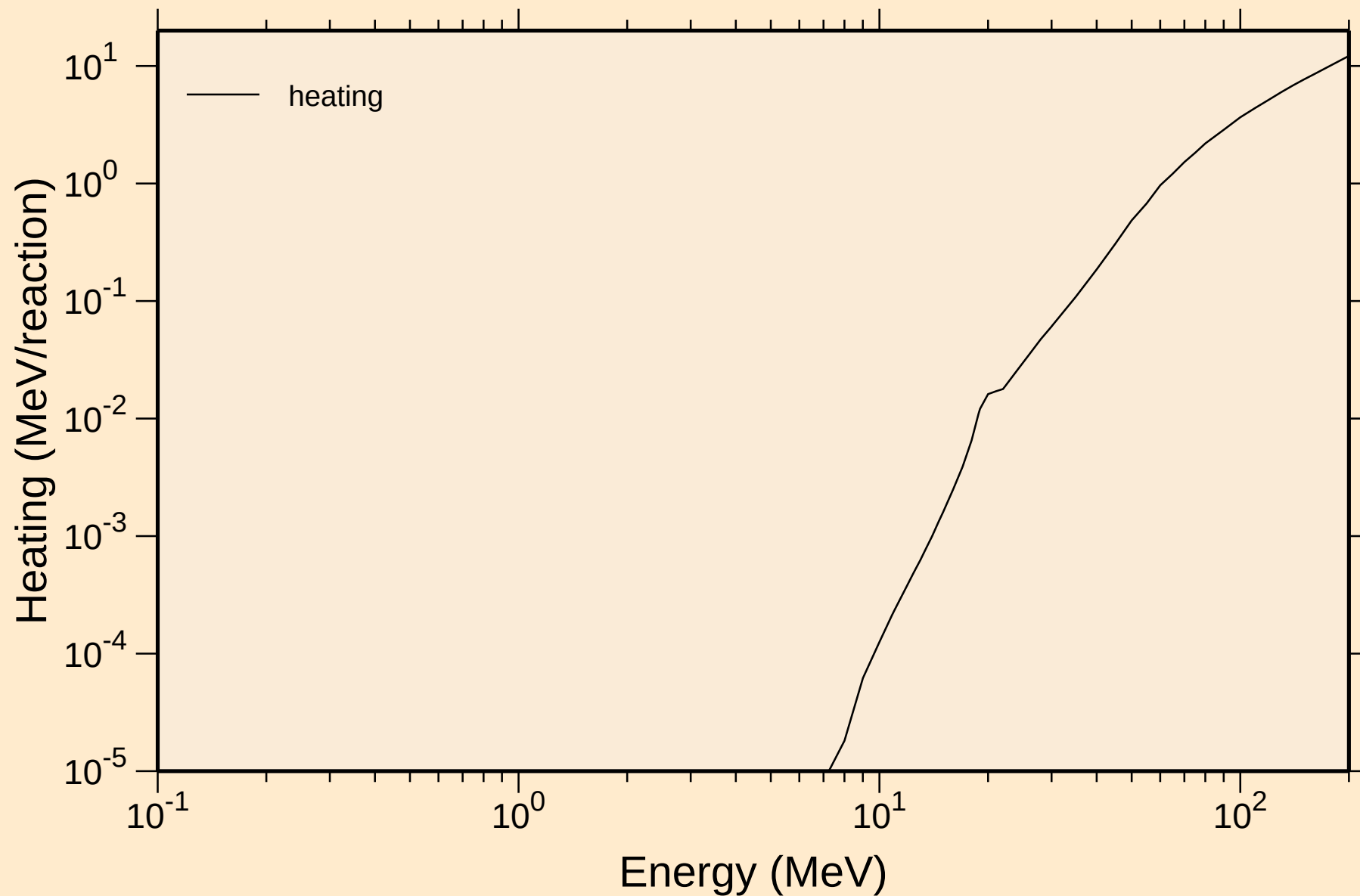
# EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



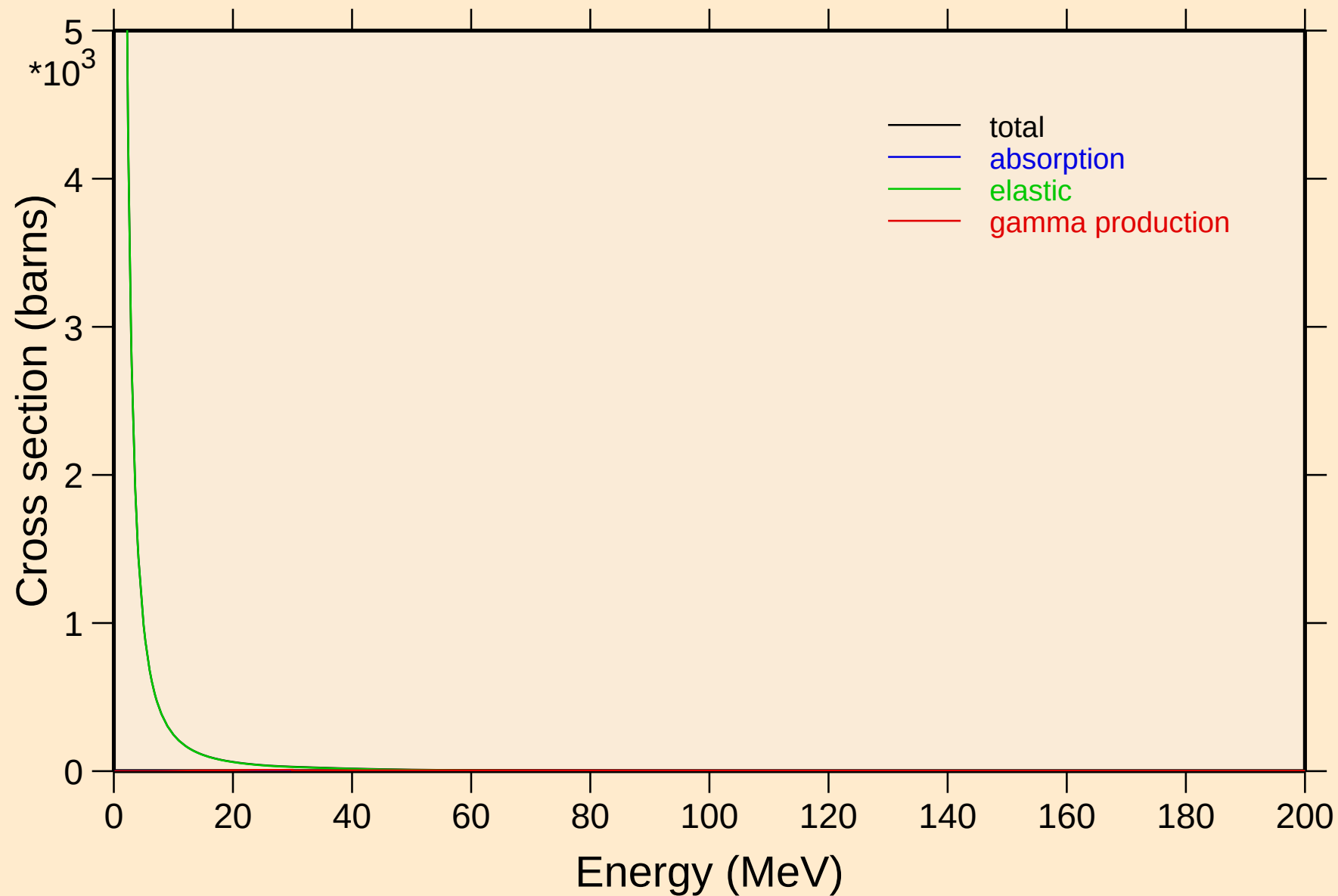
# EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Heating



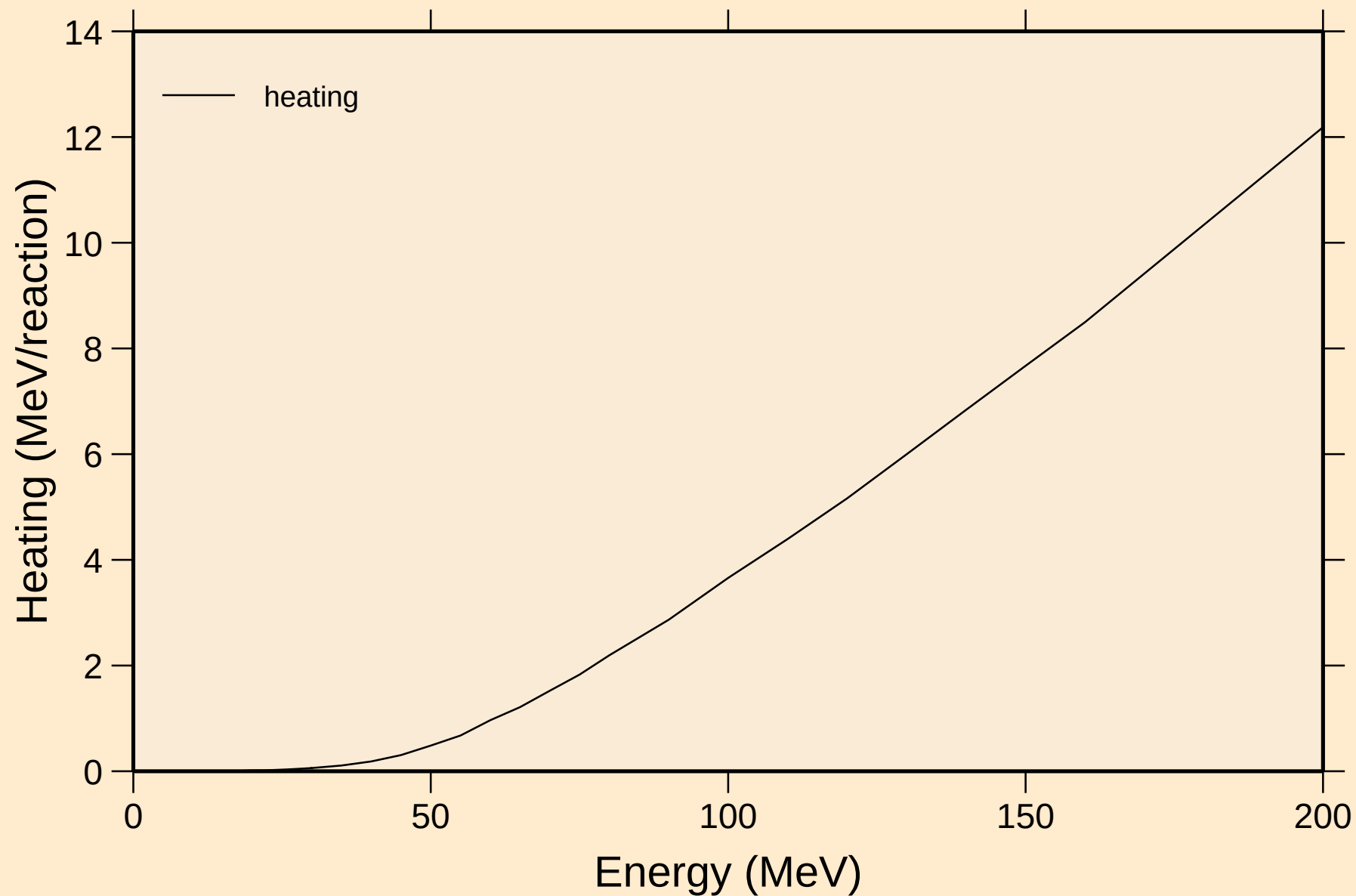
# EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



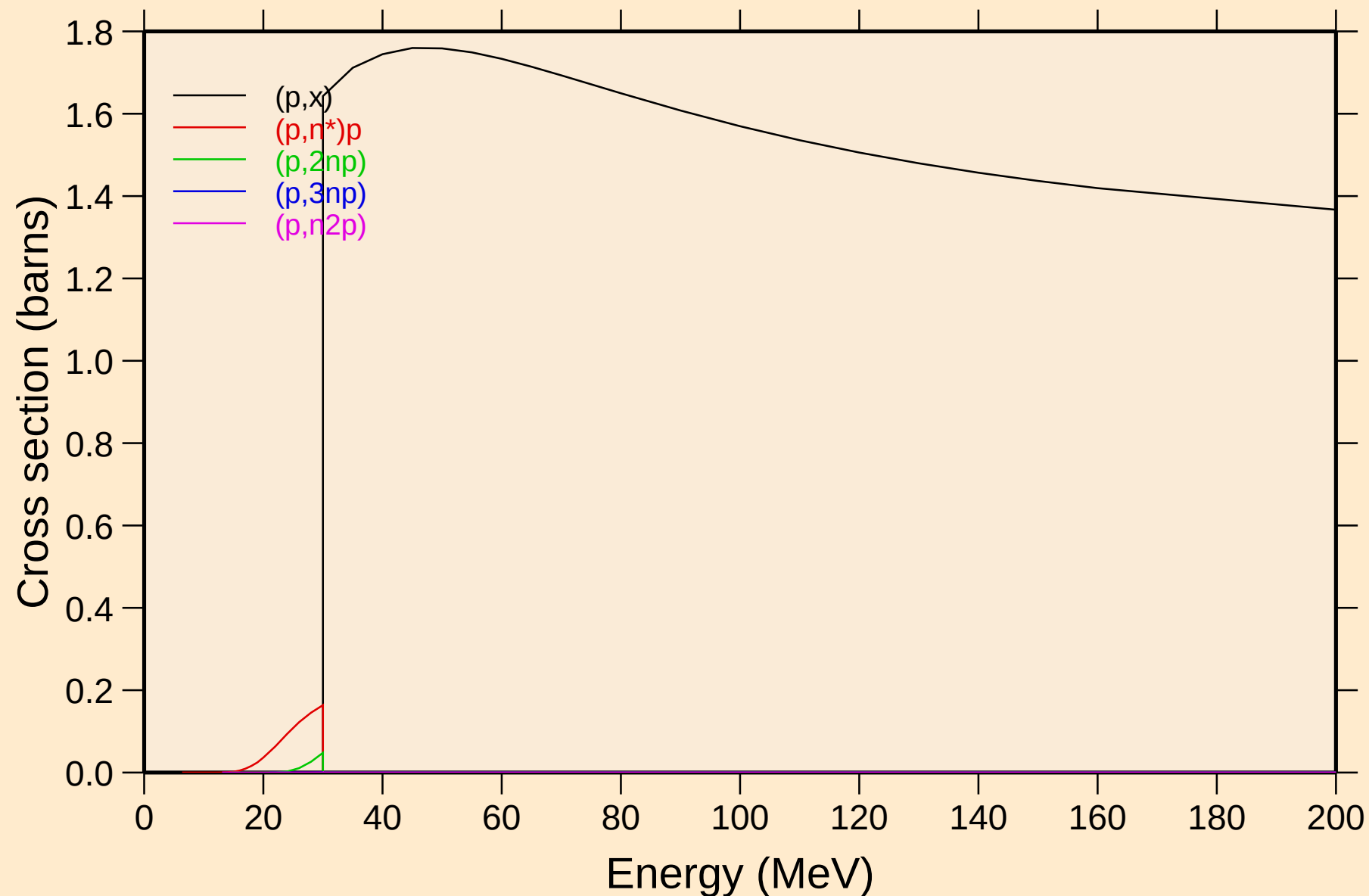
# EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Heating



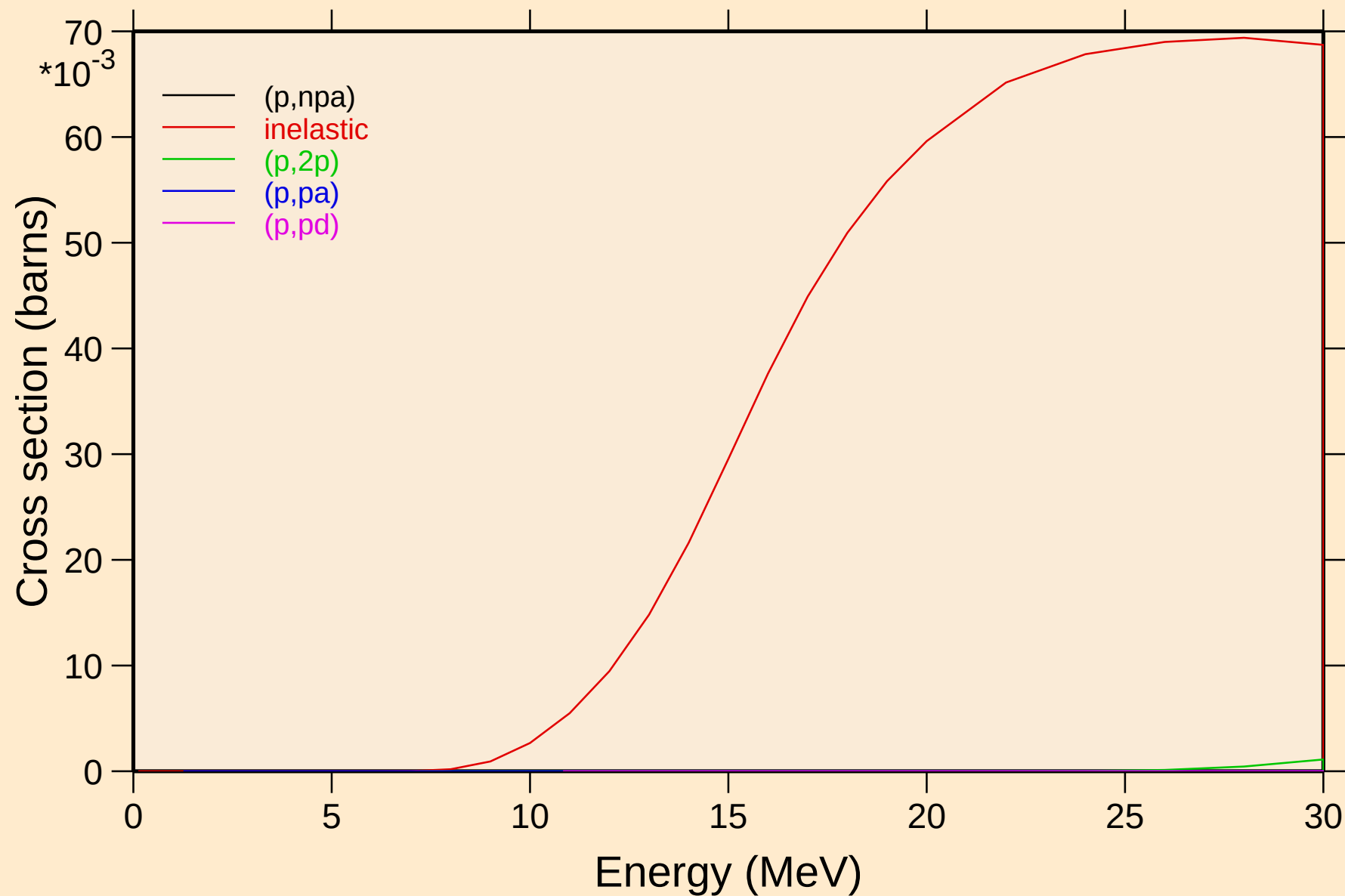
# EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions



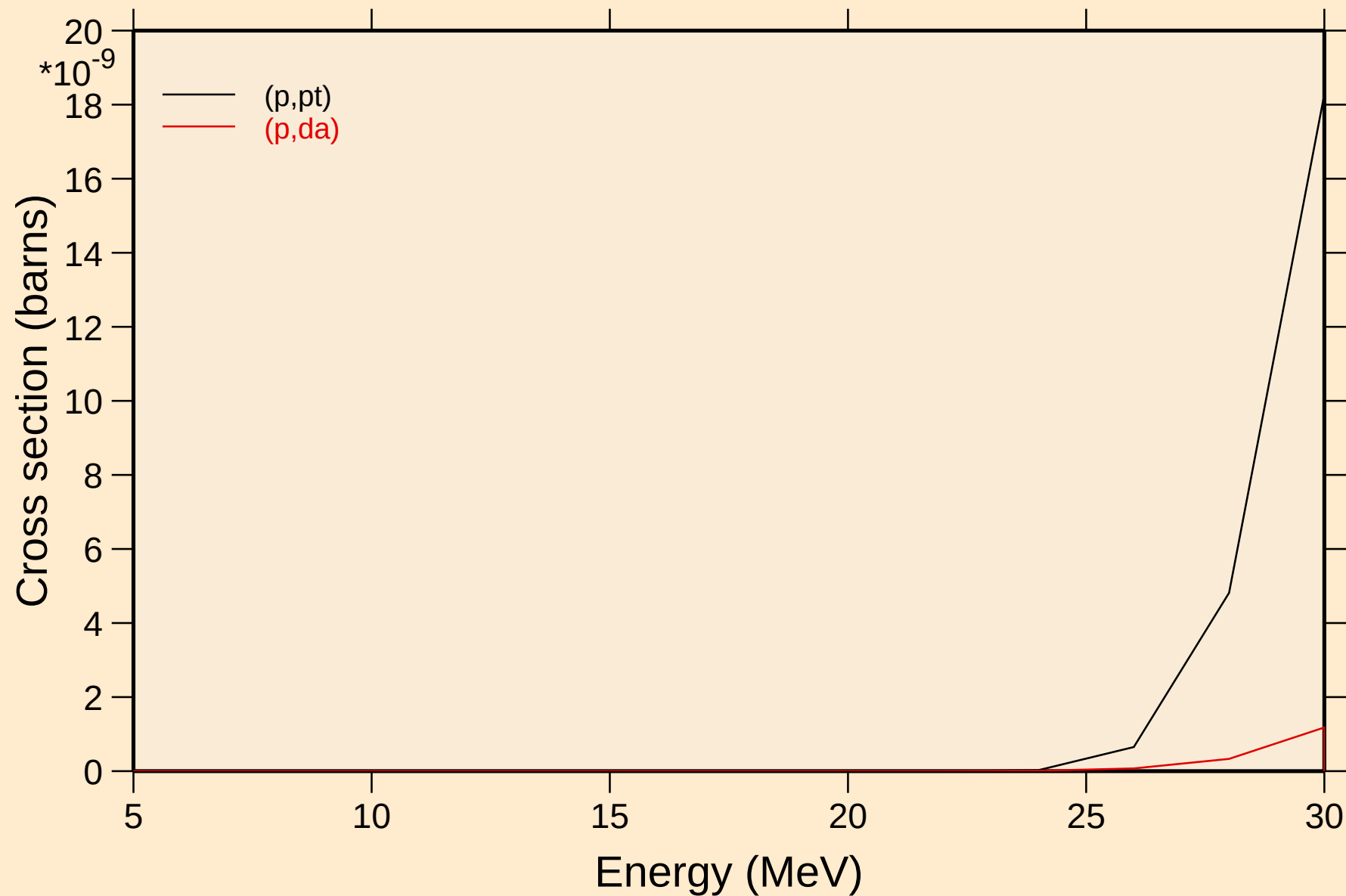
# EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

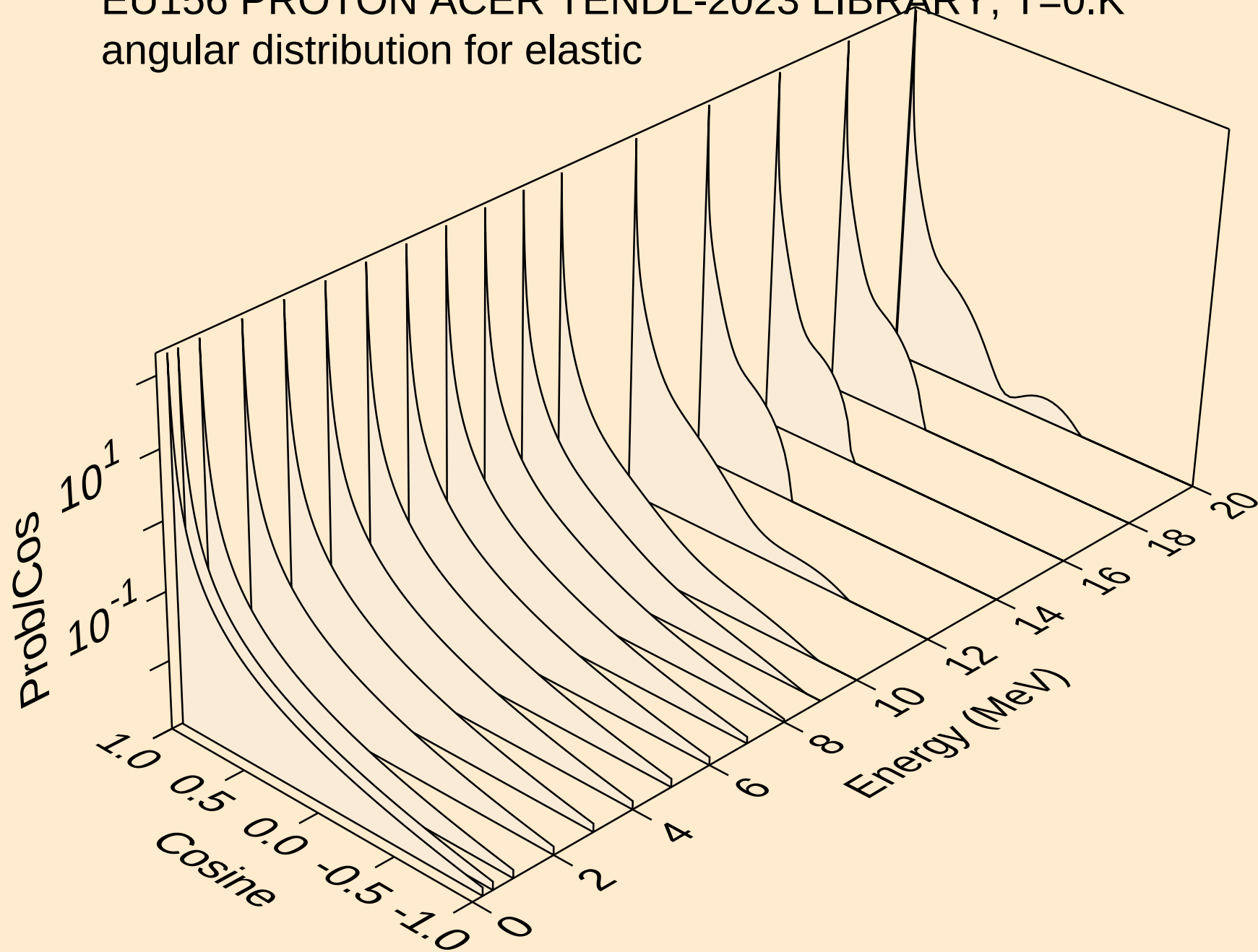


# EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

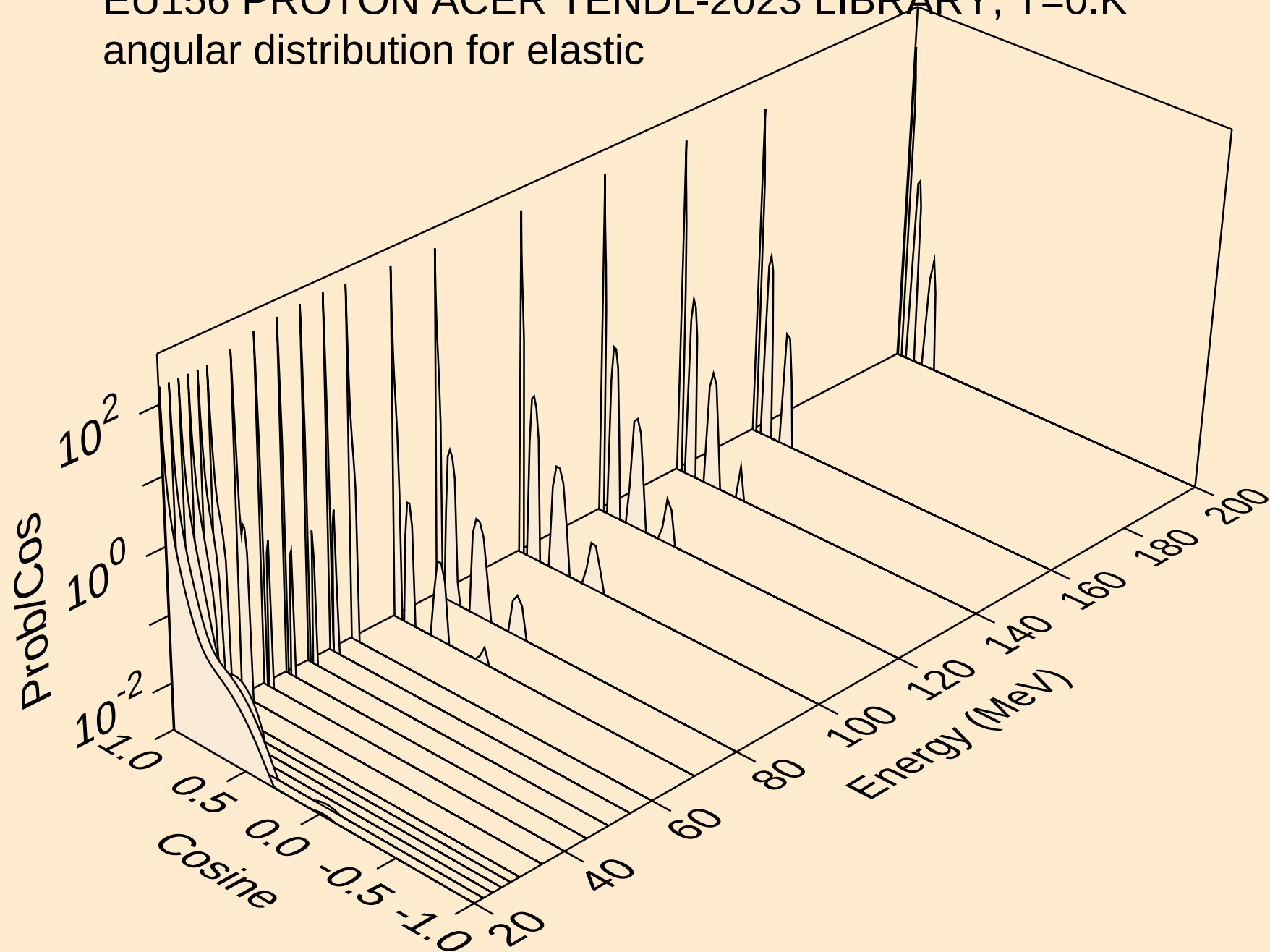


EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

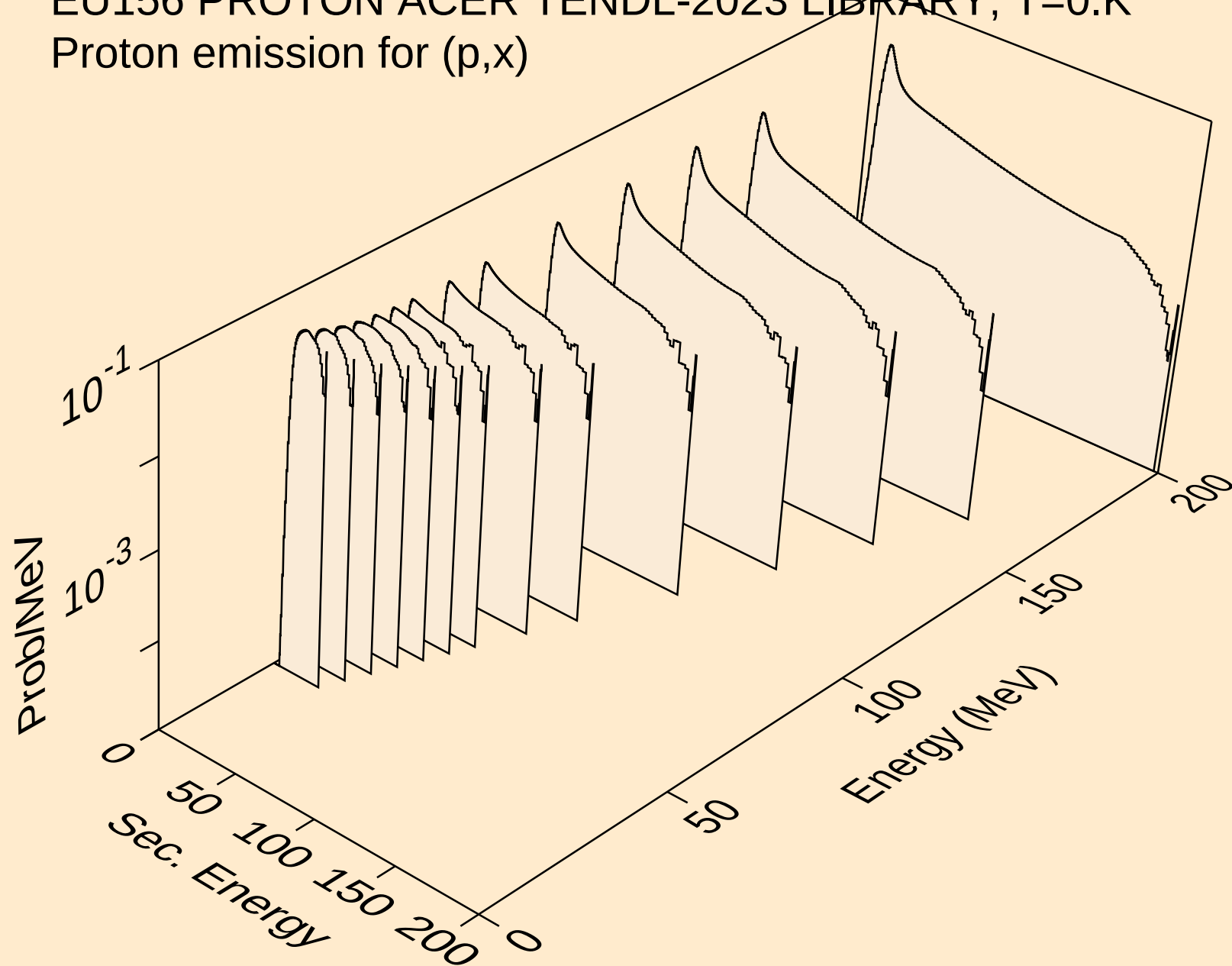




EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

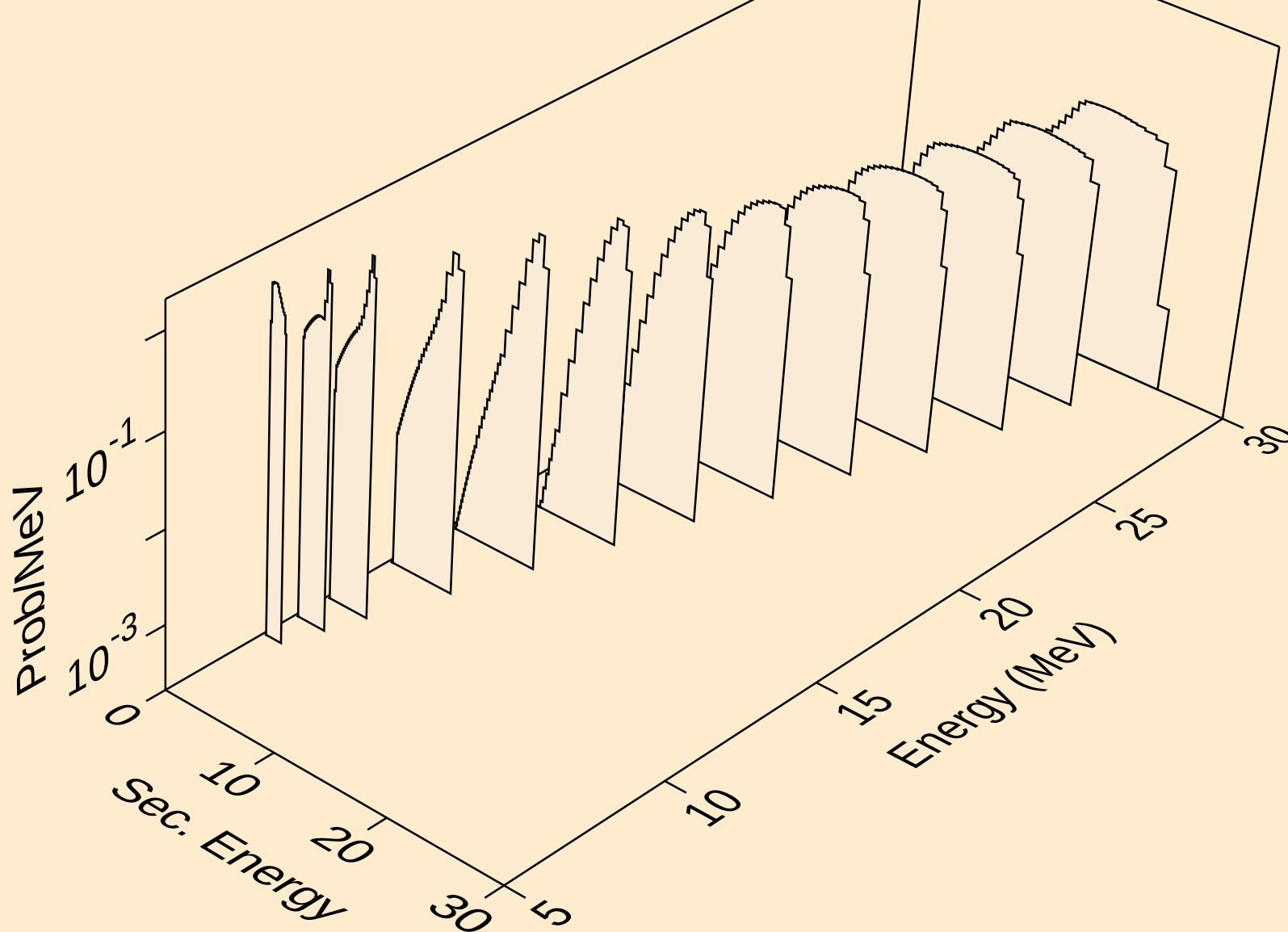


EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)

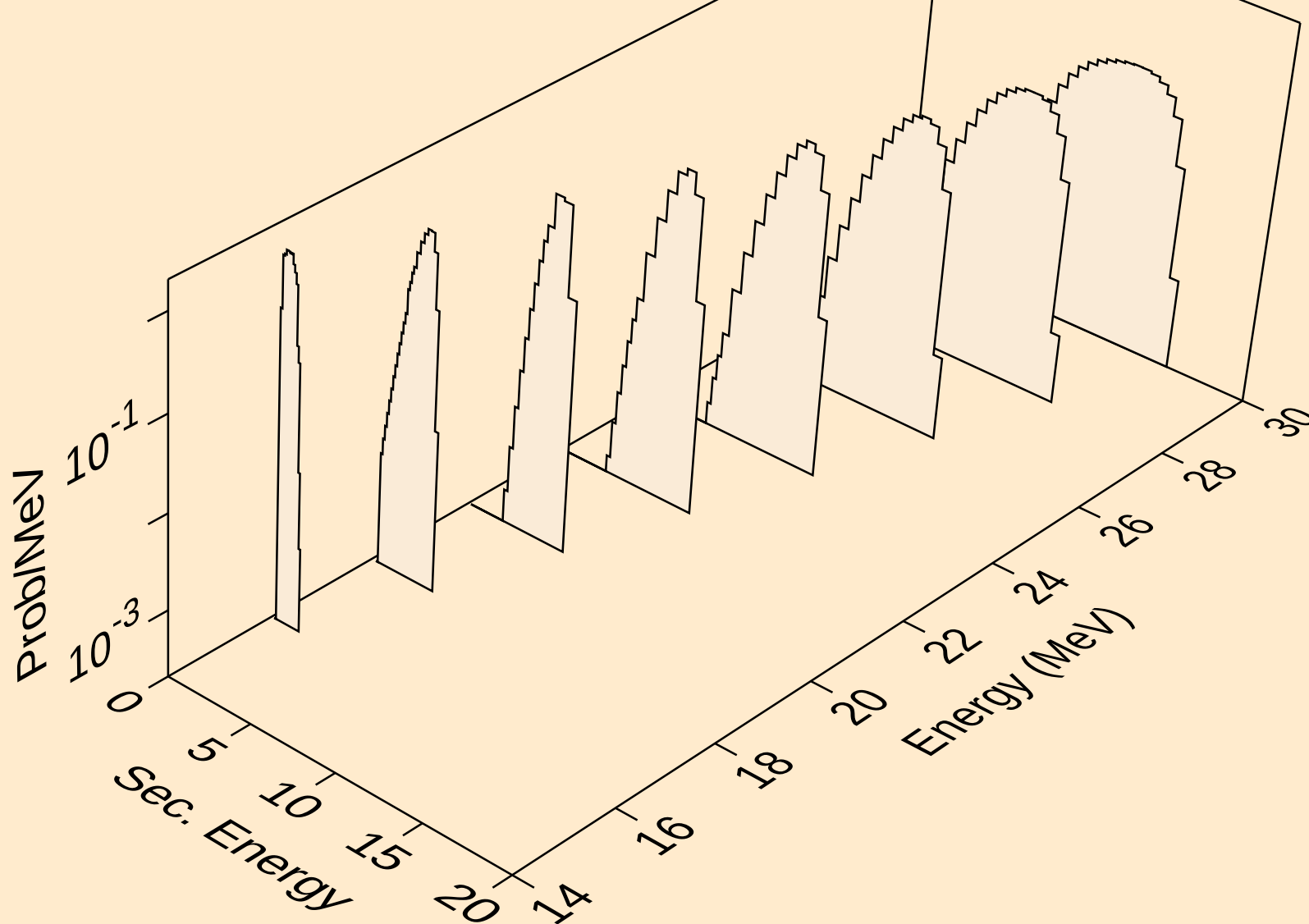


EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K

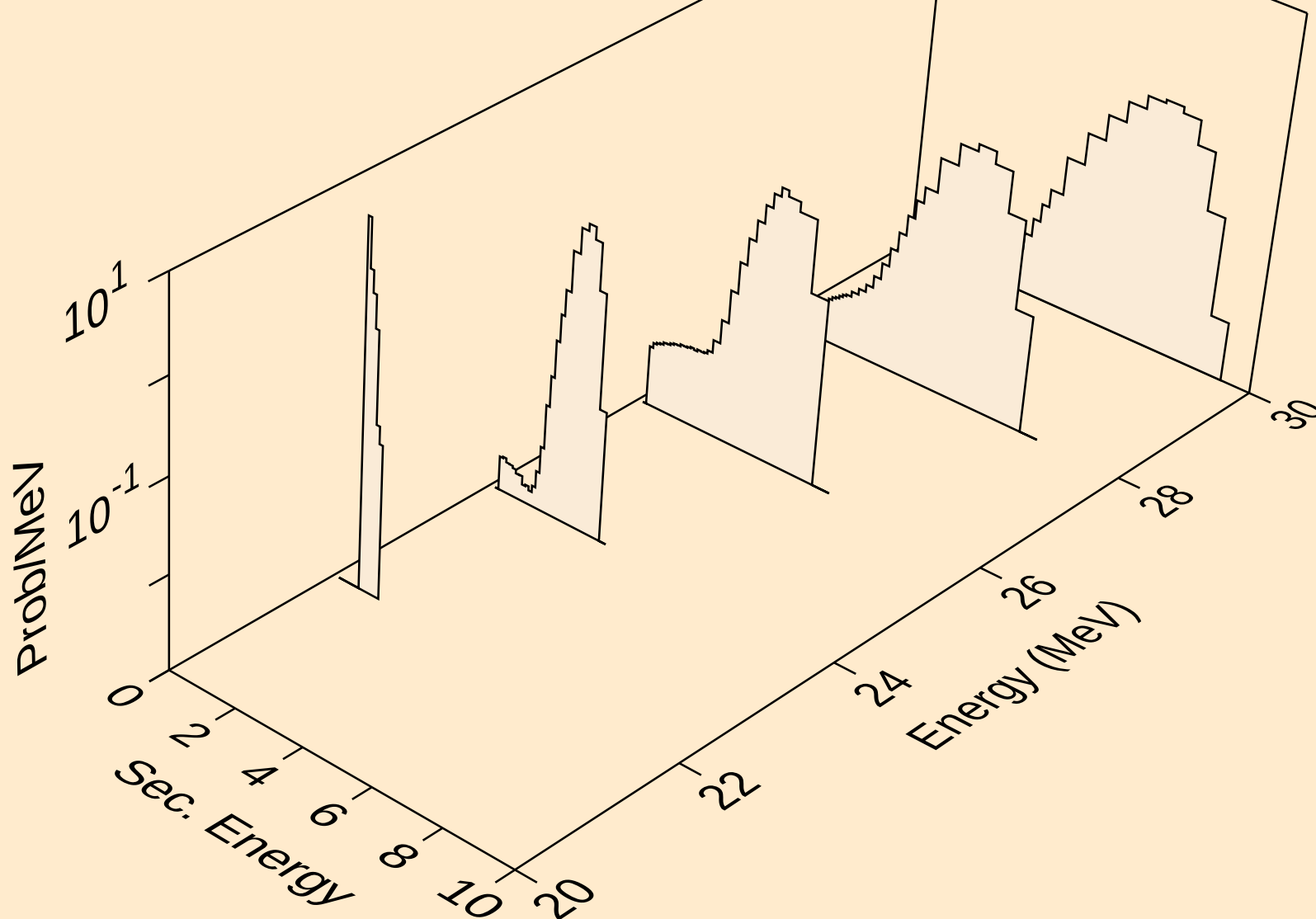
Proton emission for  $(p,n^*)p$



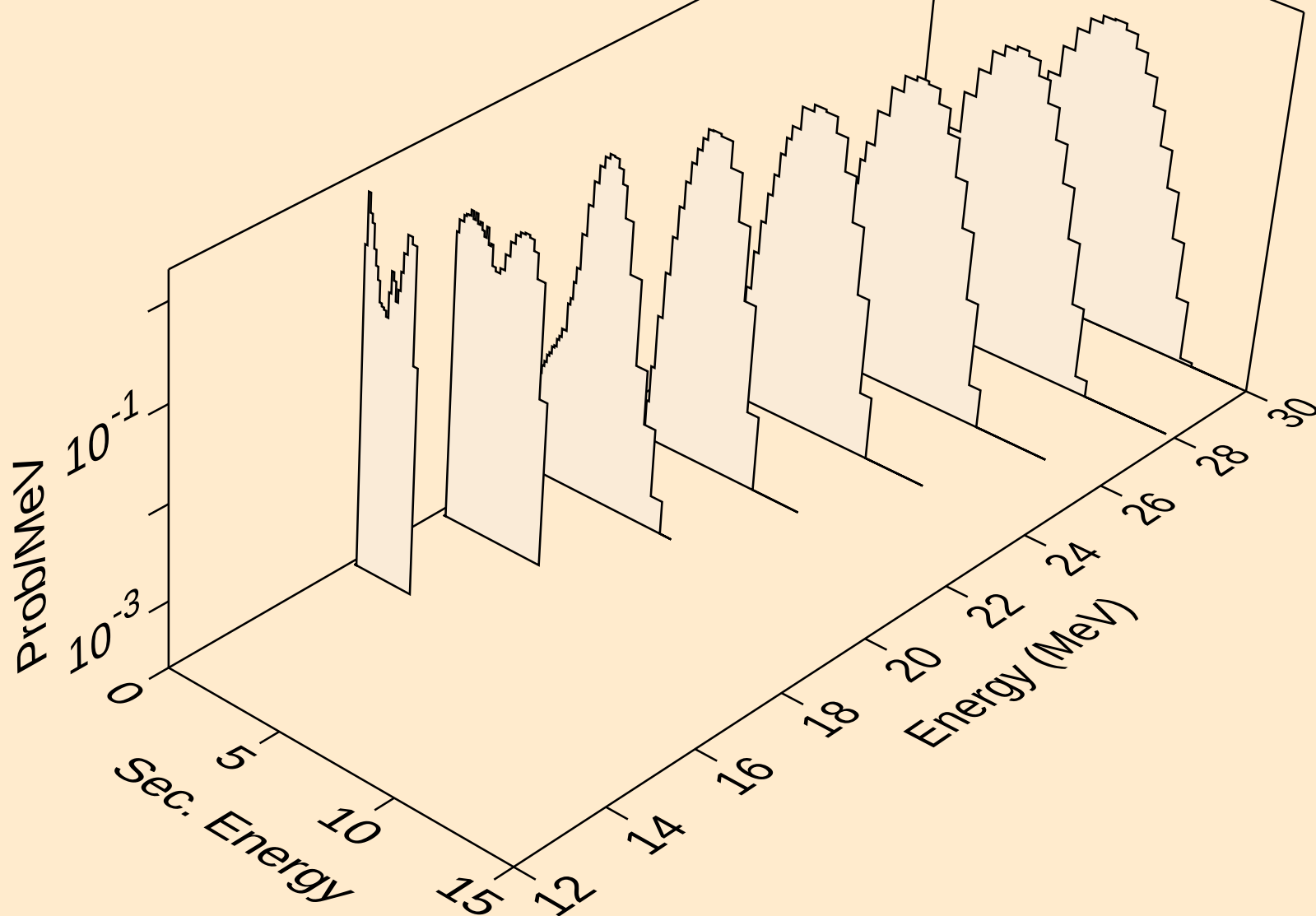
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



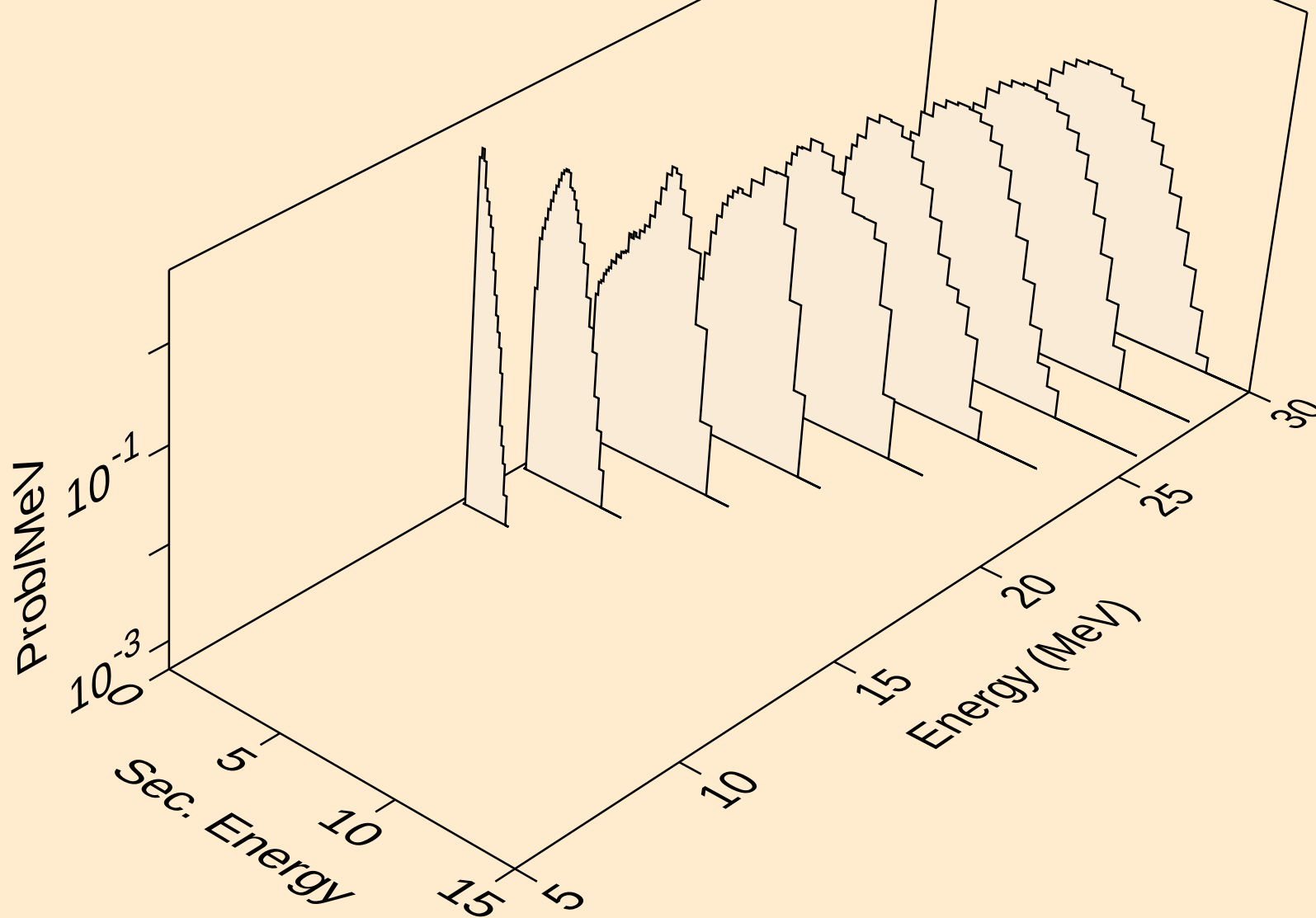
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,3np)



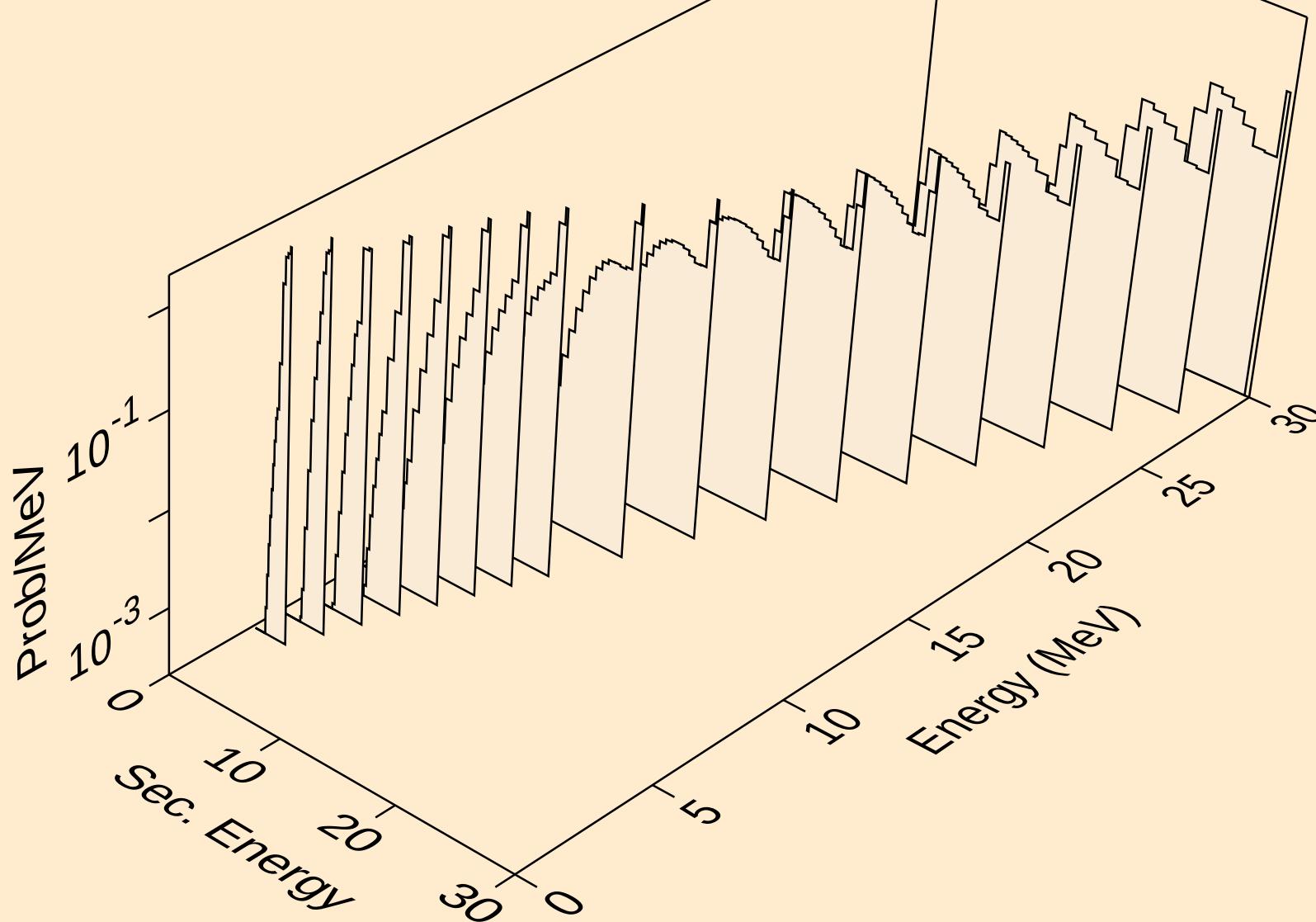
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n2p)



EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,npa)



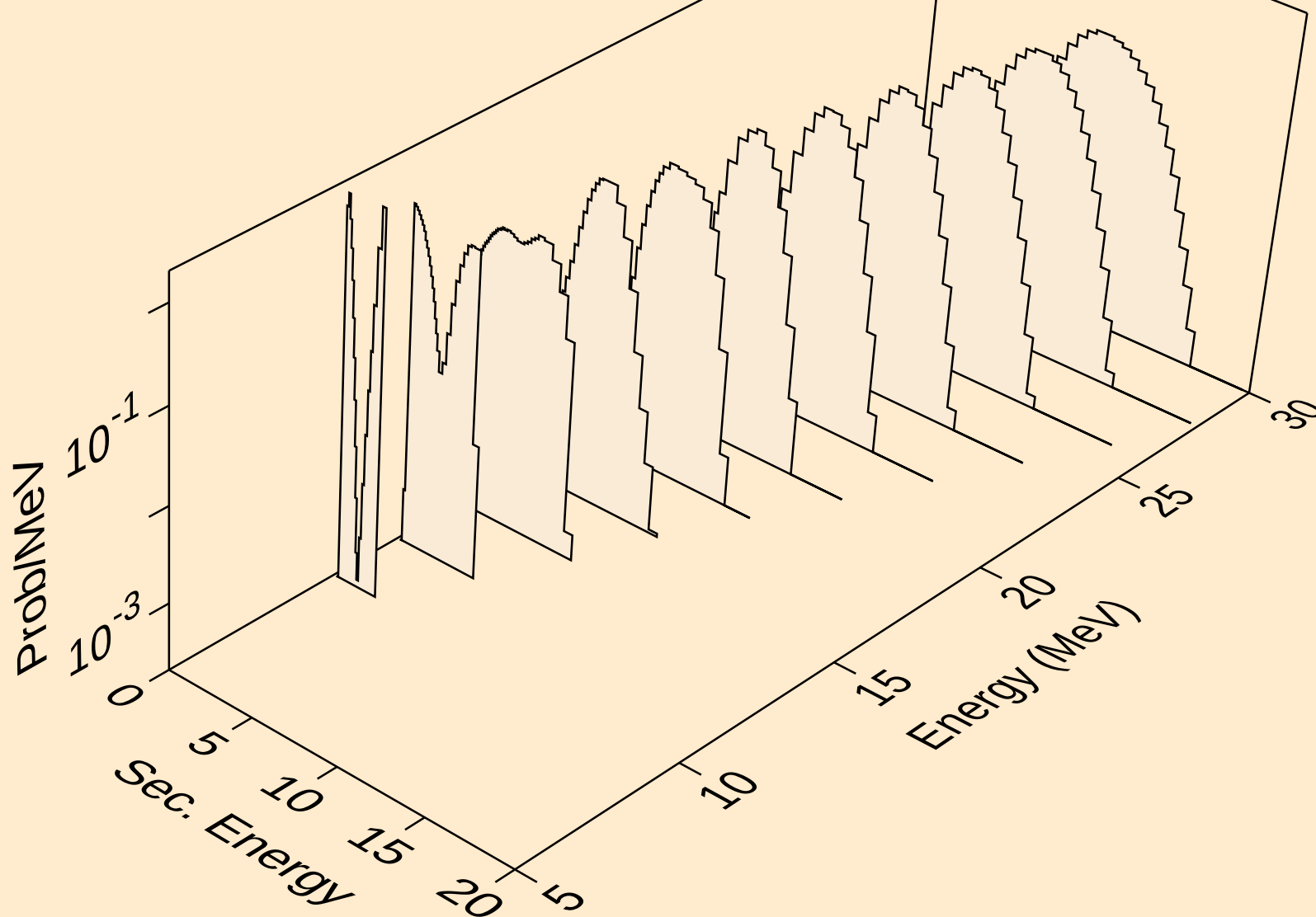
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic





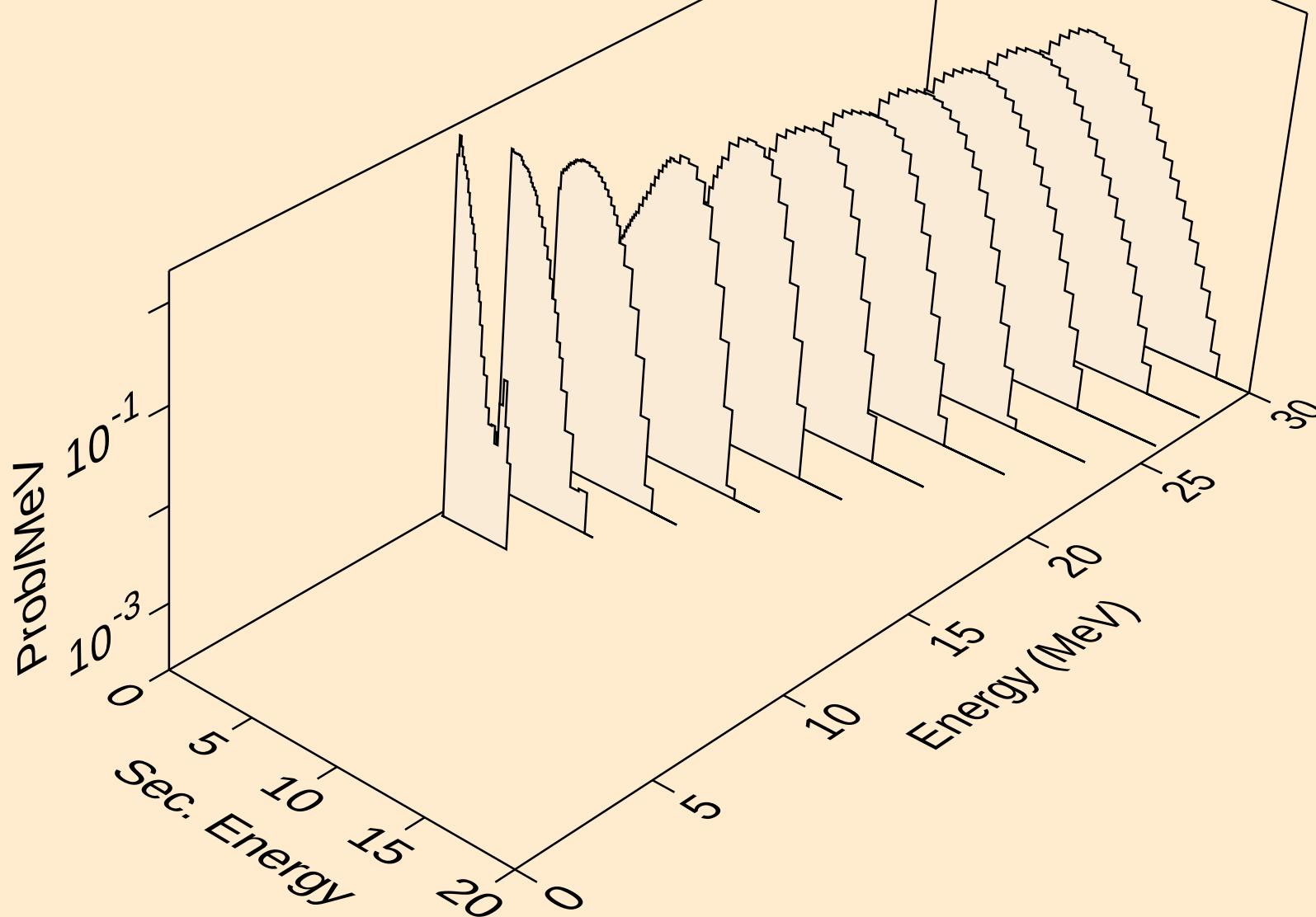
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Proton emission for (p,2p)

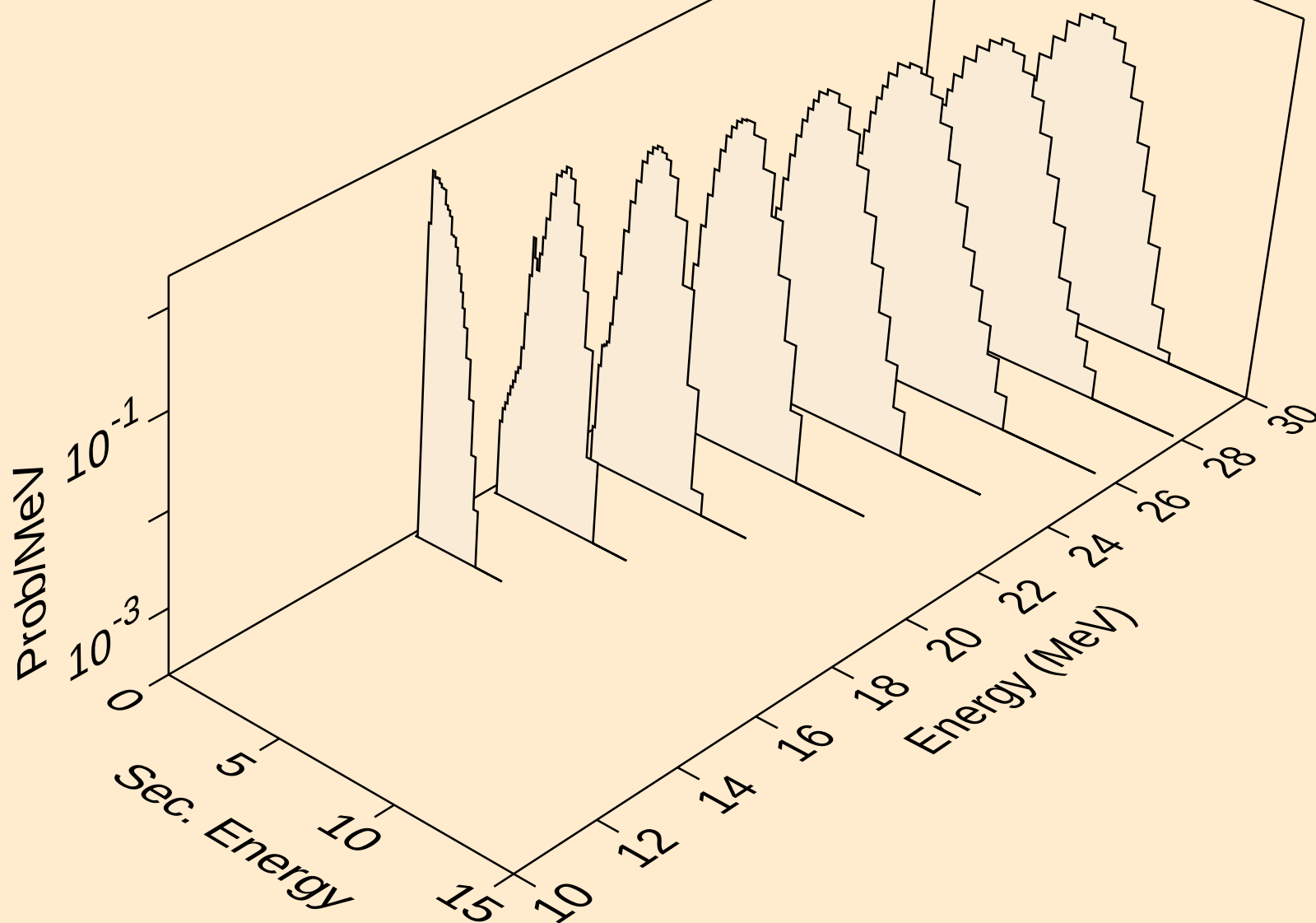


EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Proton emission for (p,pa)

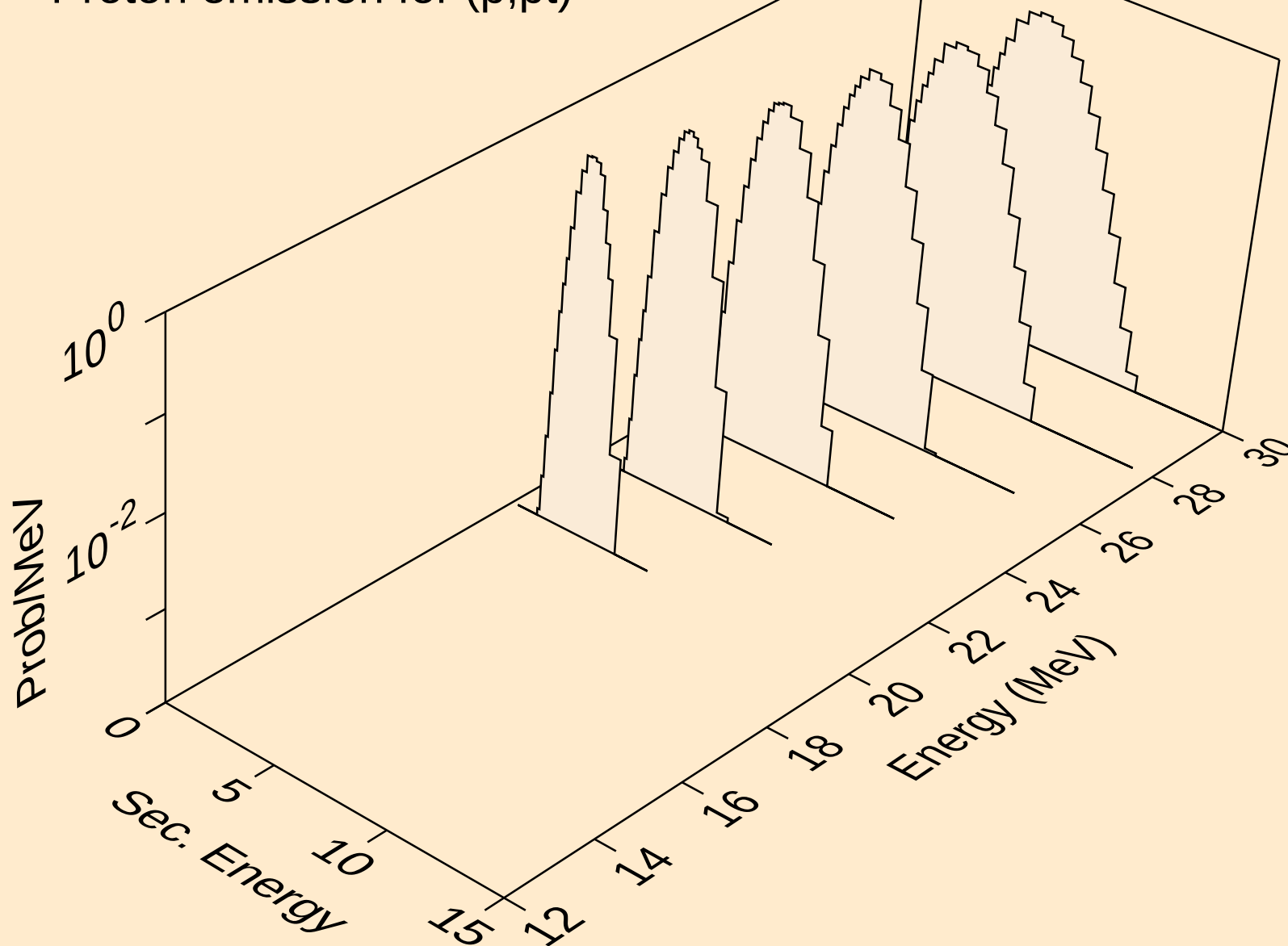


EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pd)

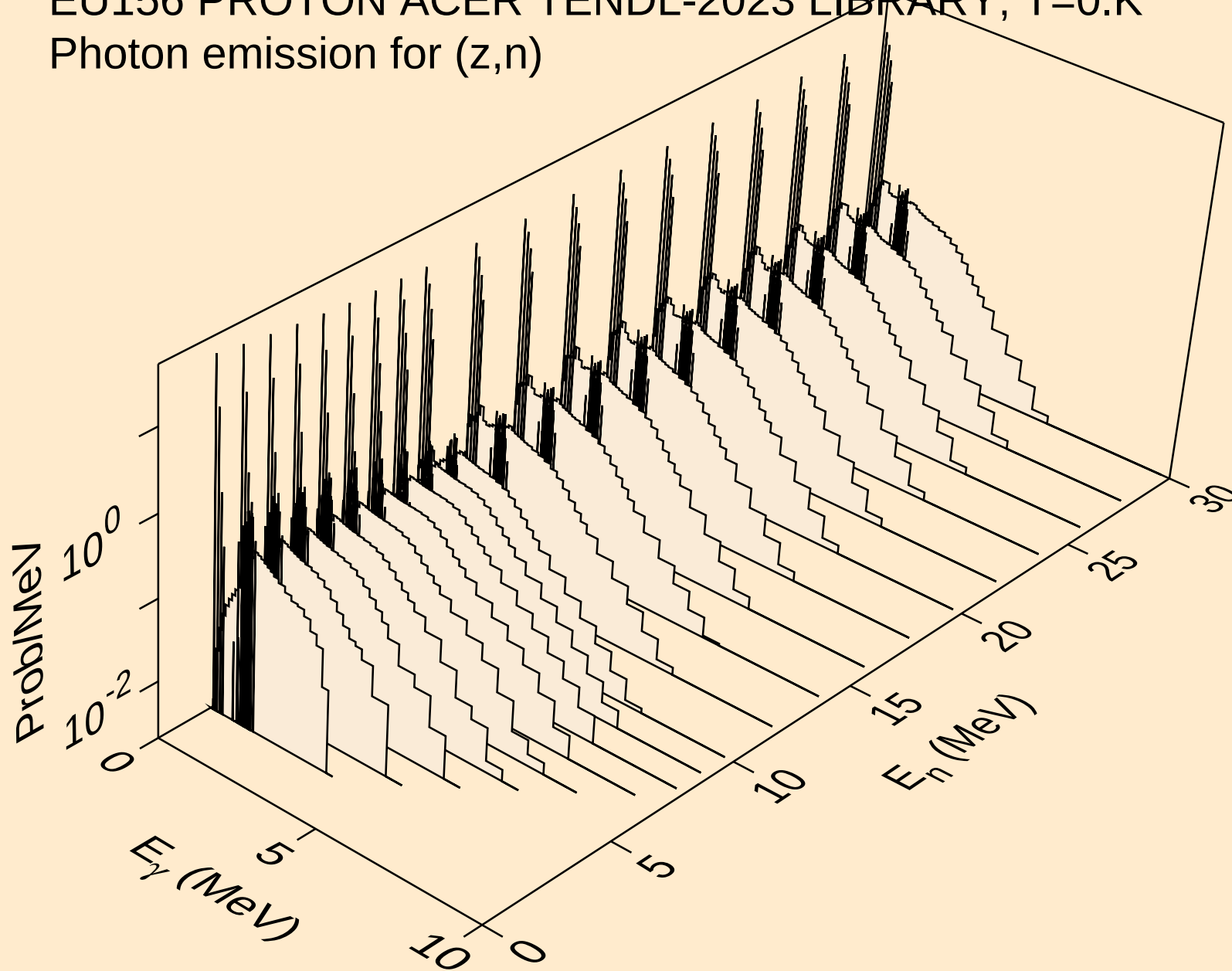


EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Proton emission for (p,pt)

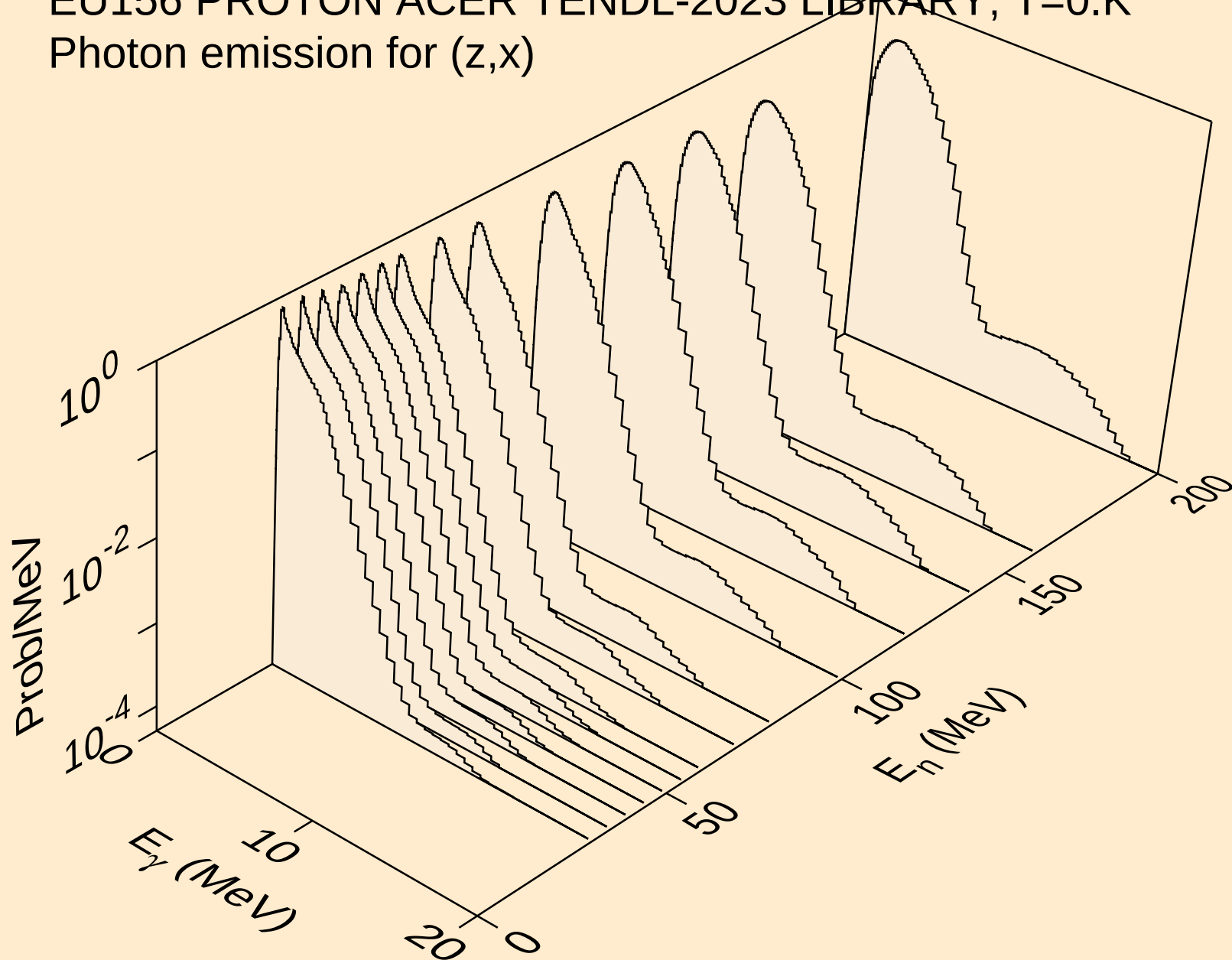


EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)

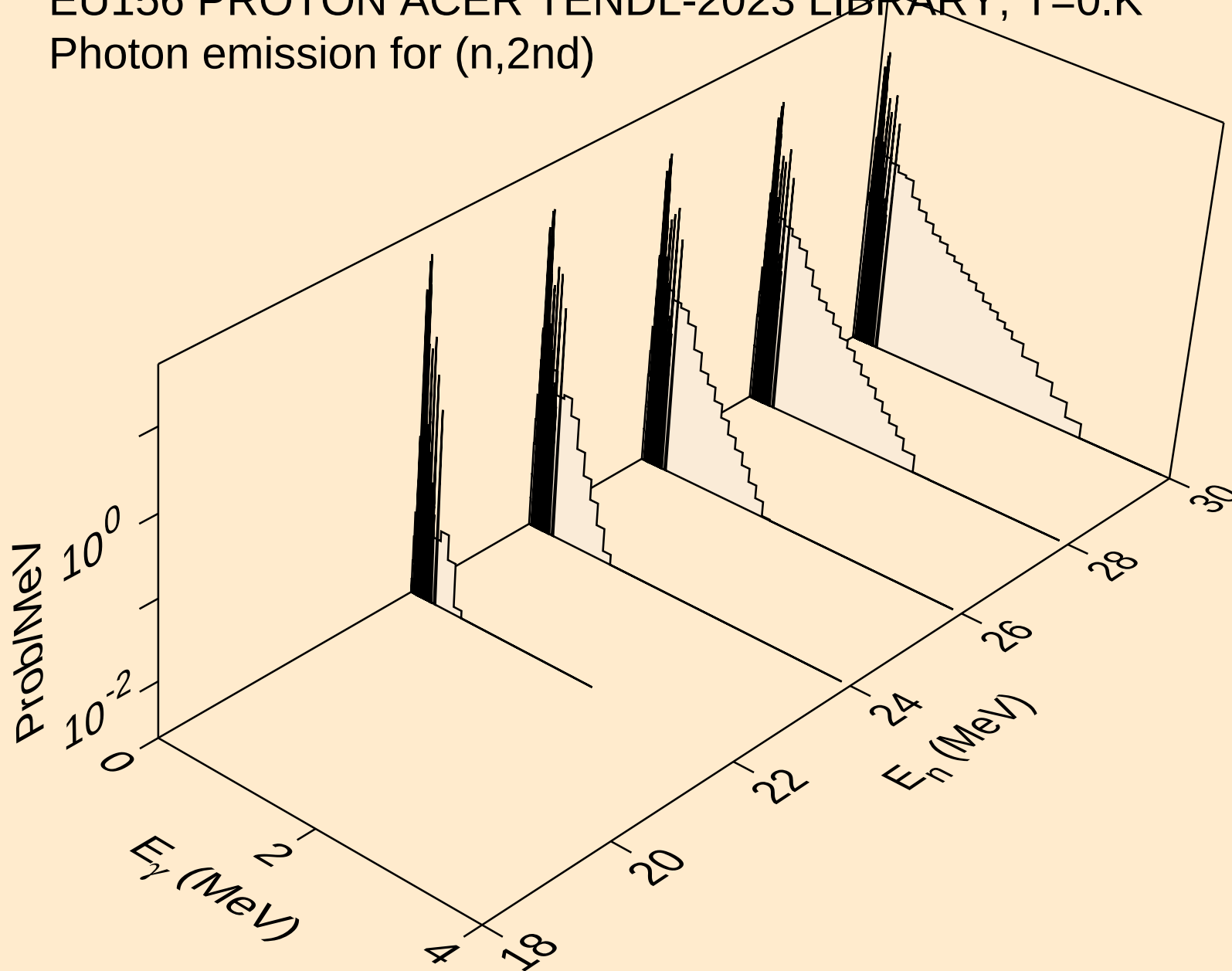


EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K

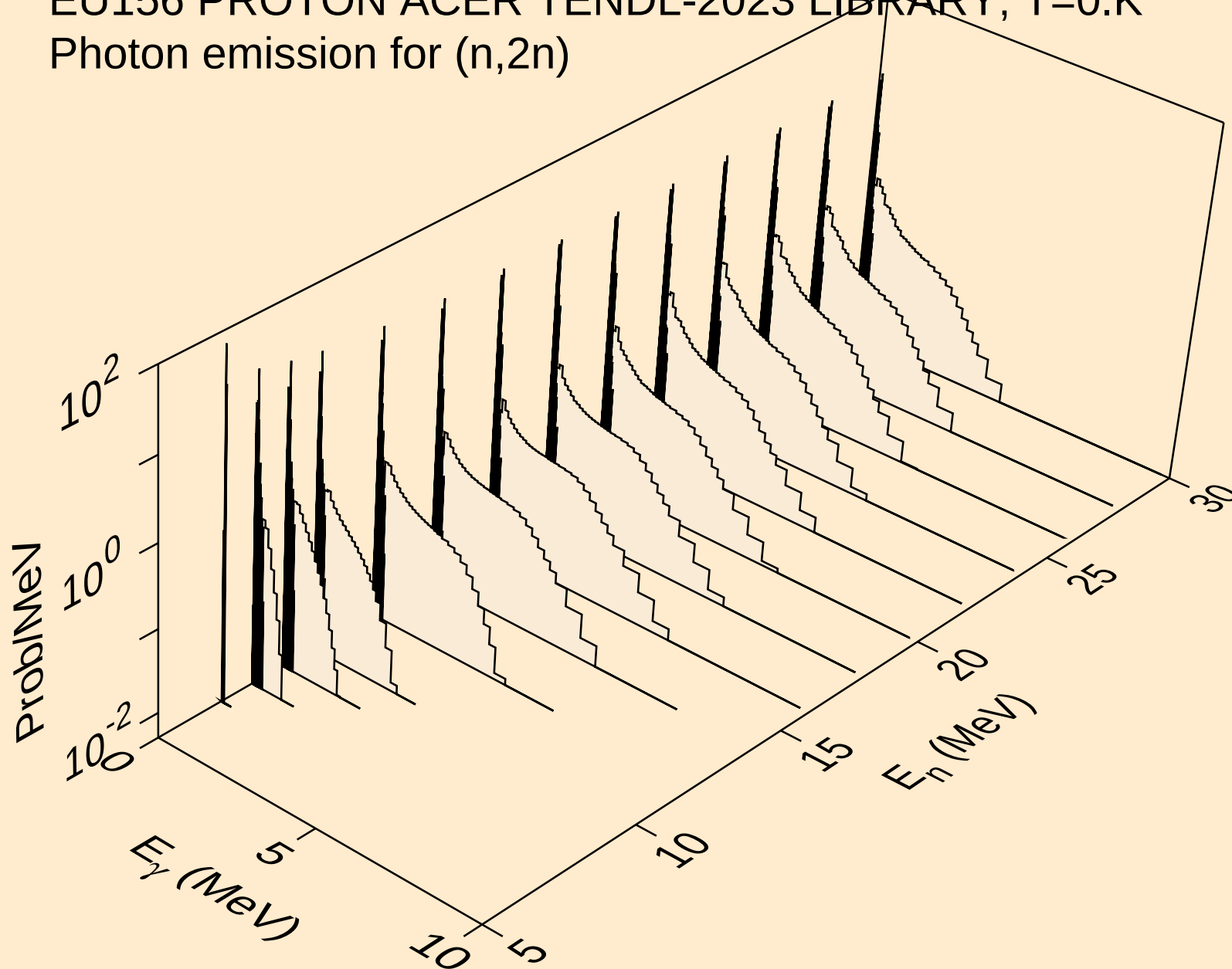
Photon emission for (z,x)



EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)

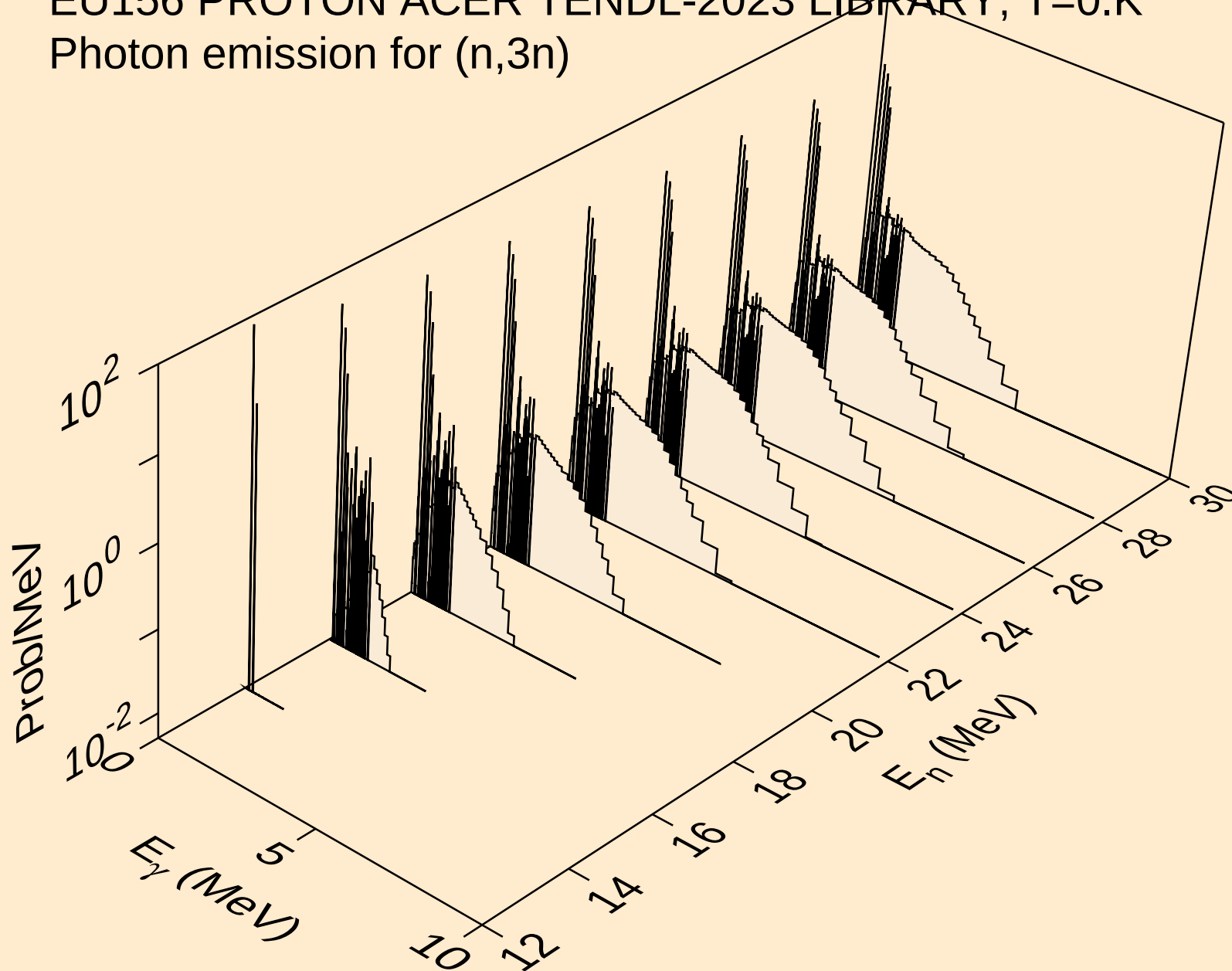


EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



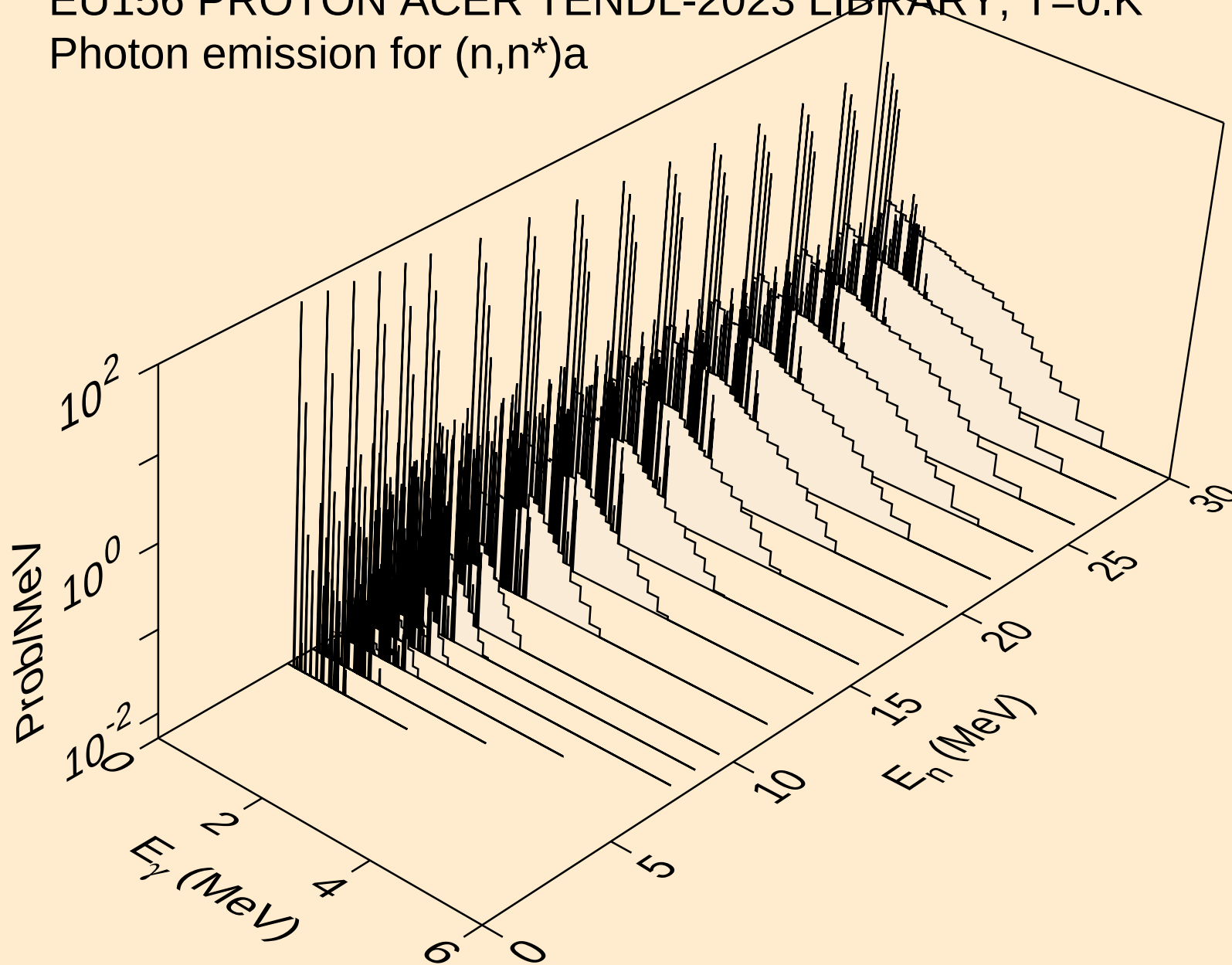


EU156 PROTON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,3n)



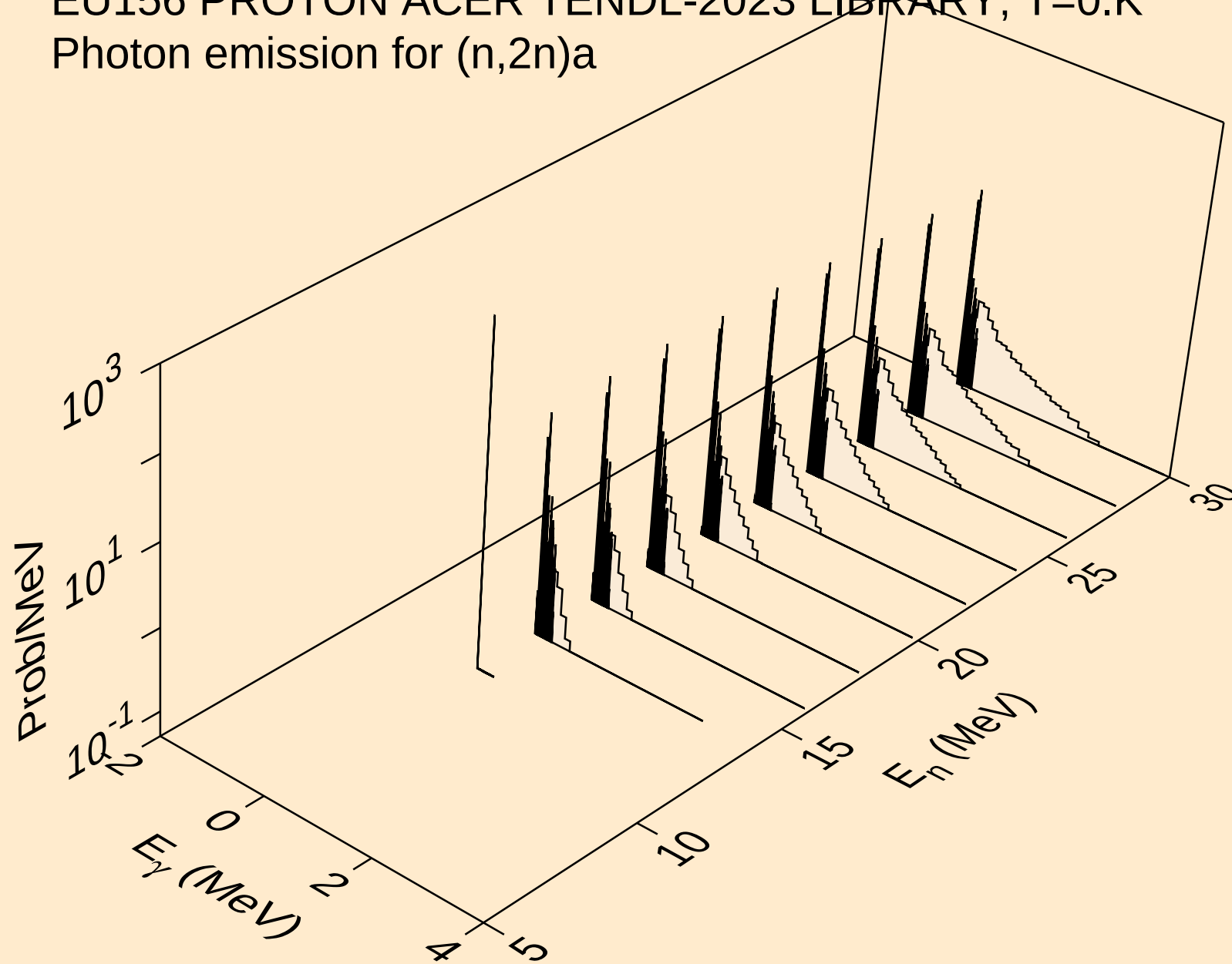
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)a



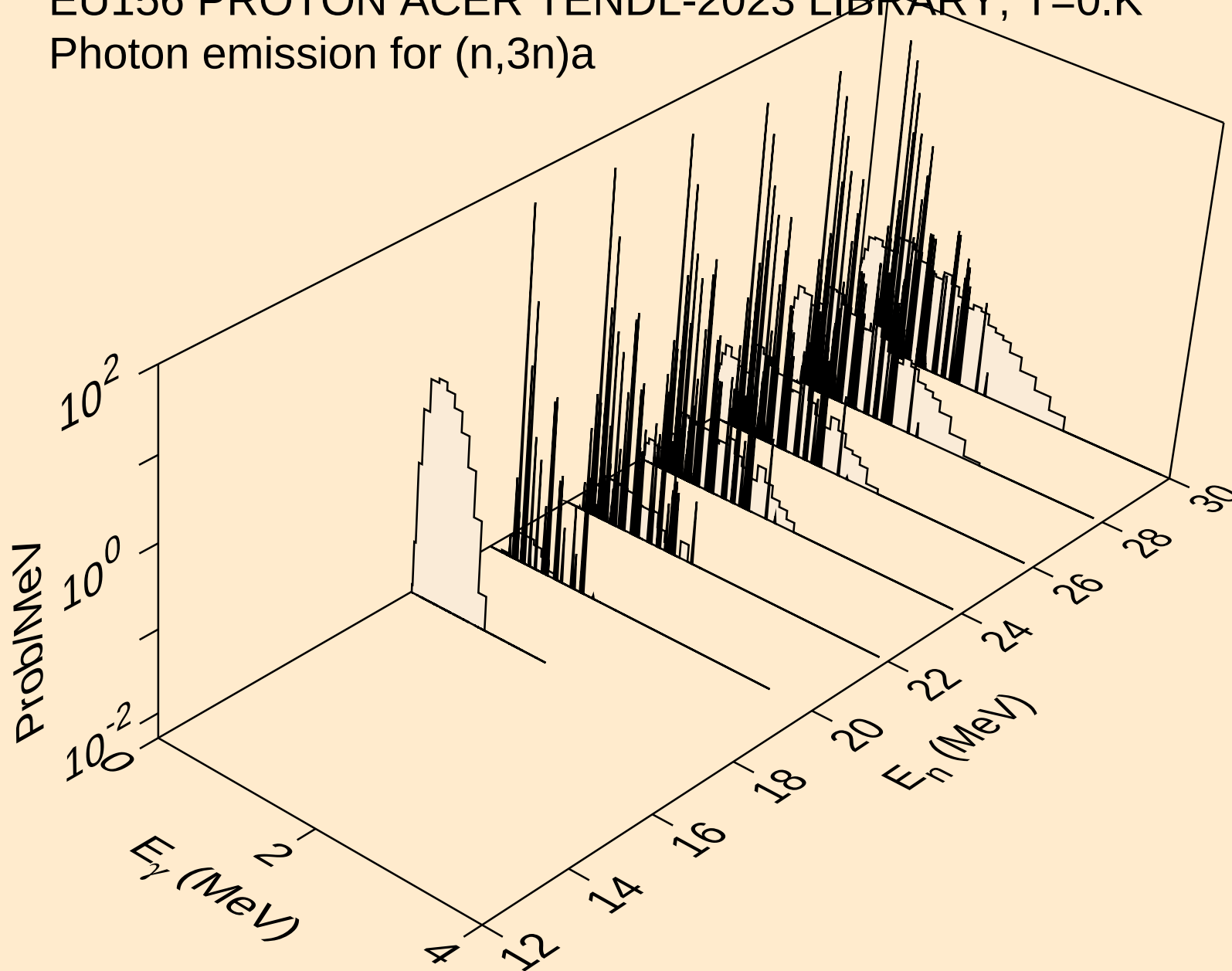
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K

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



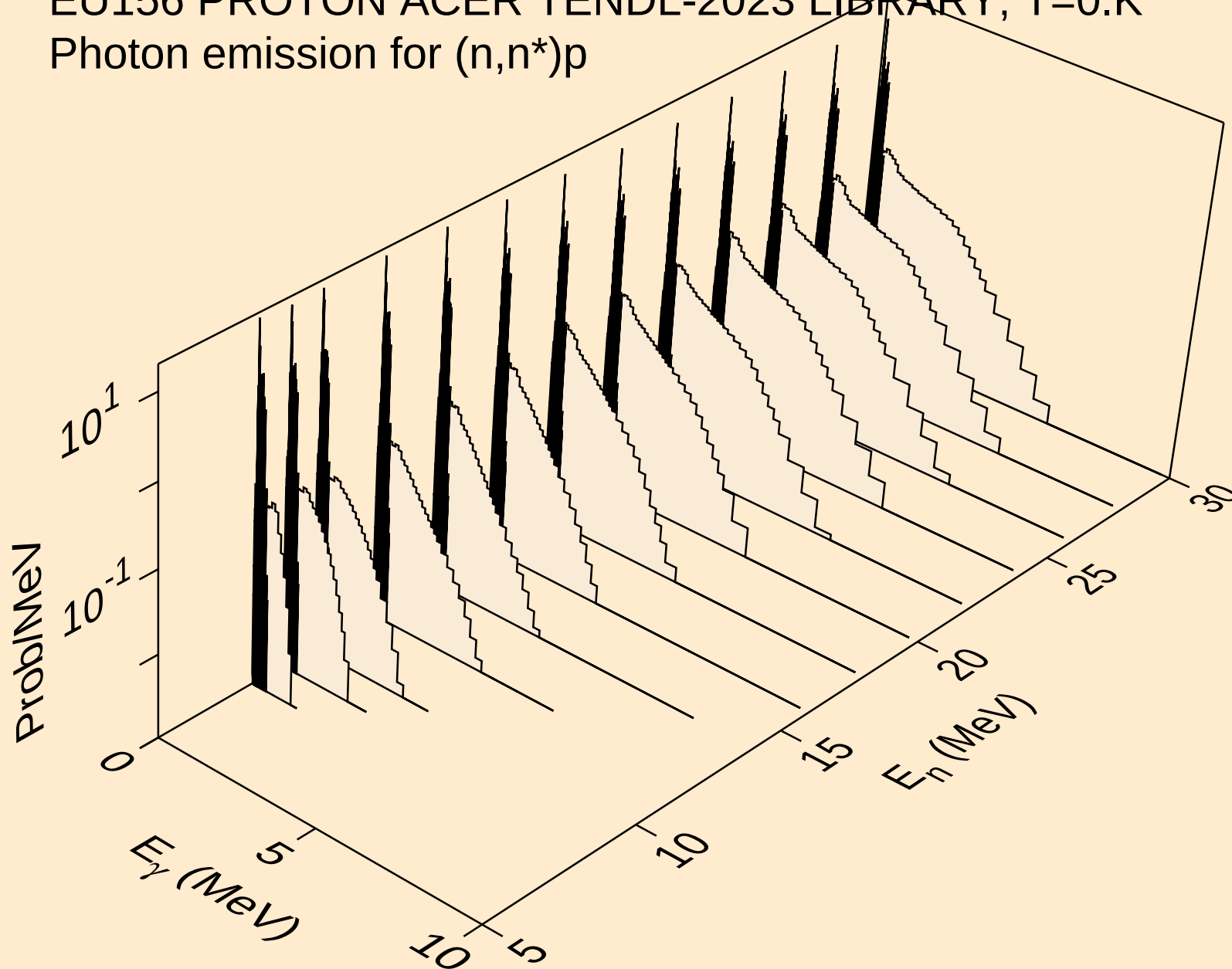
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,3n) $\alpha$



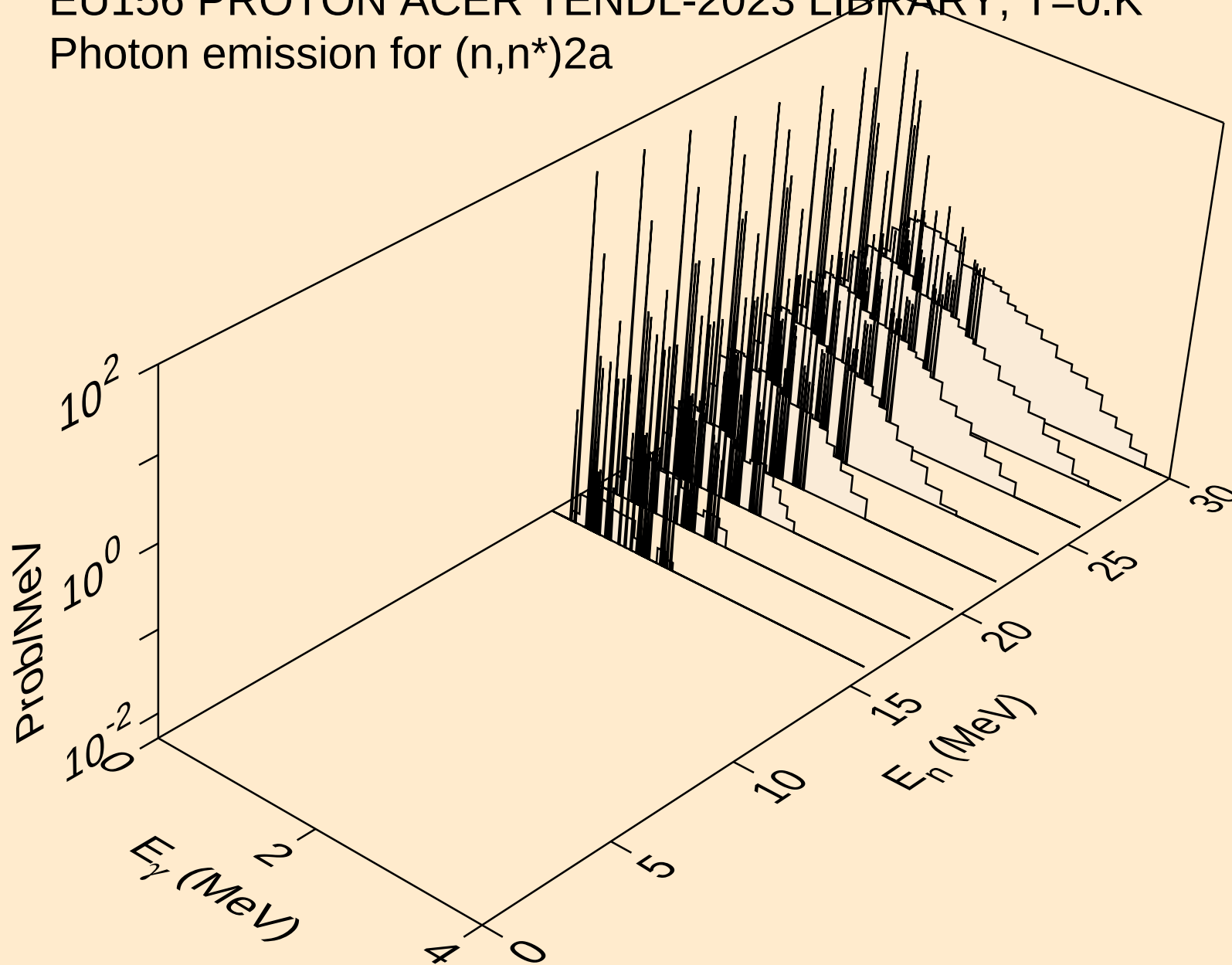
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)p



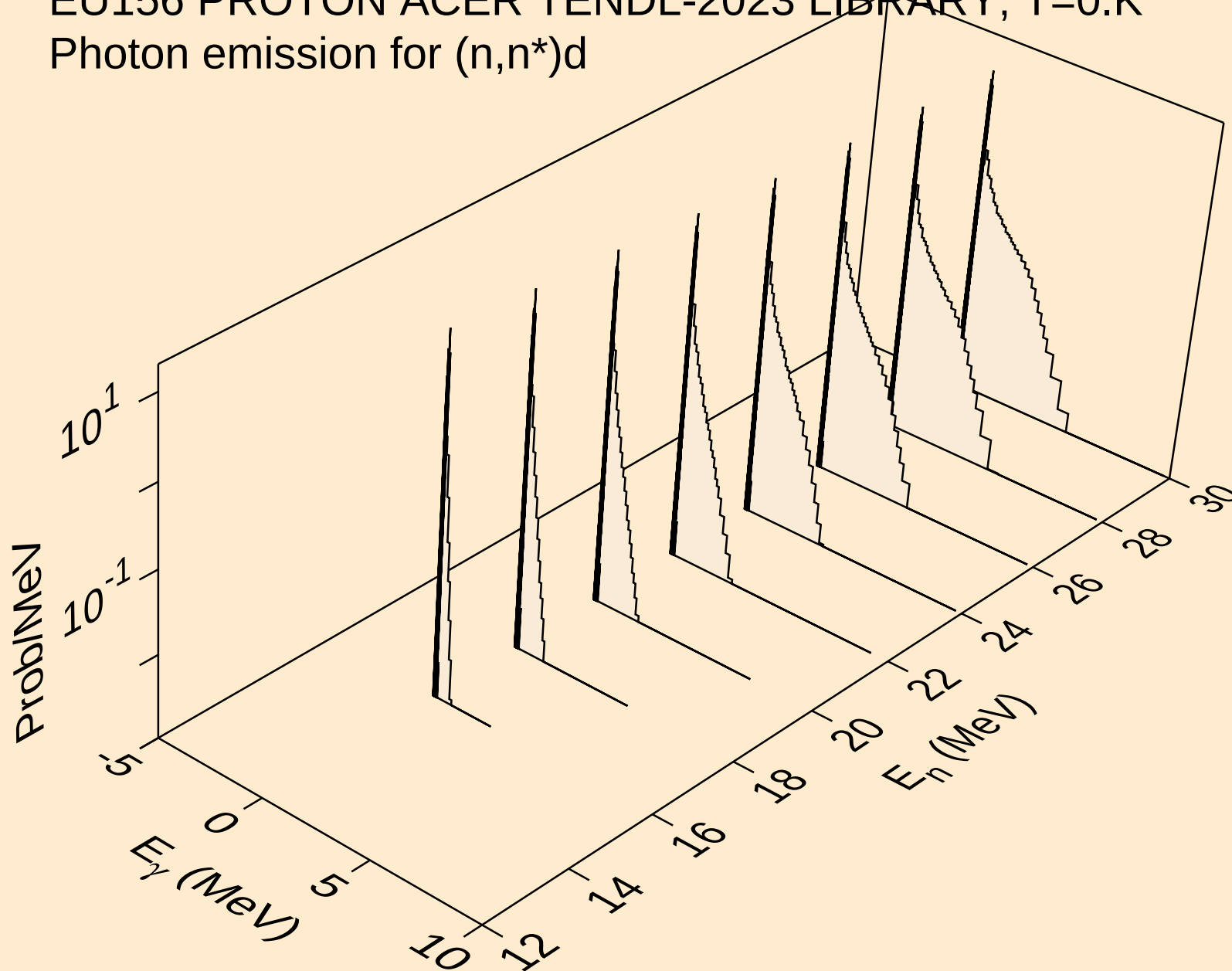
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)2a



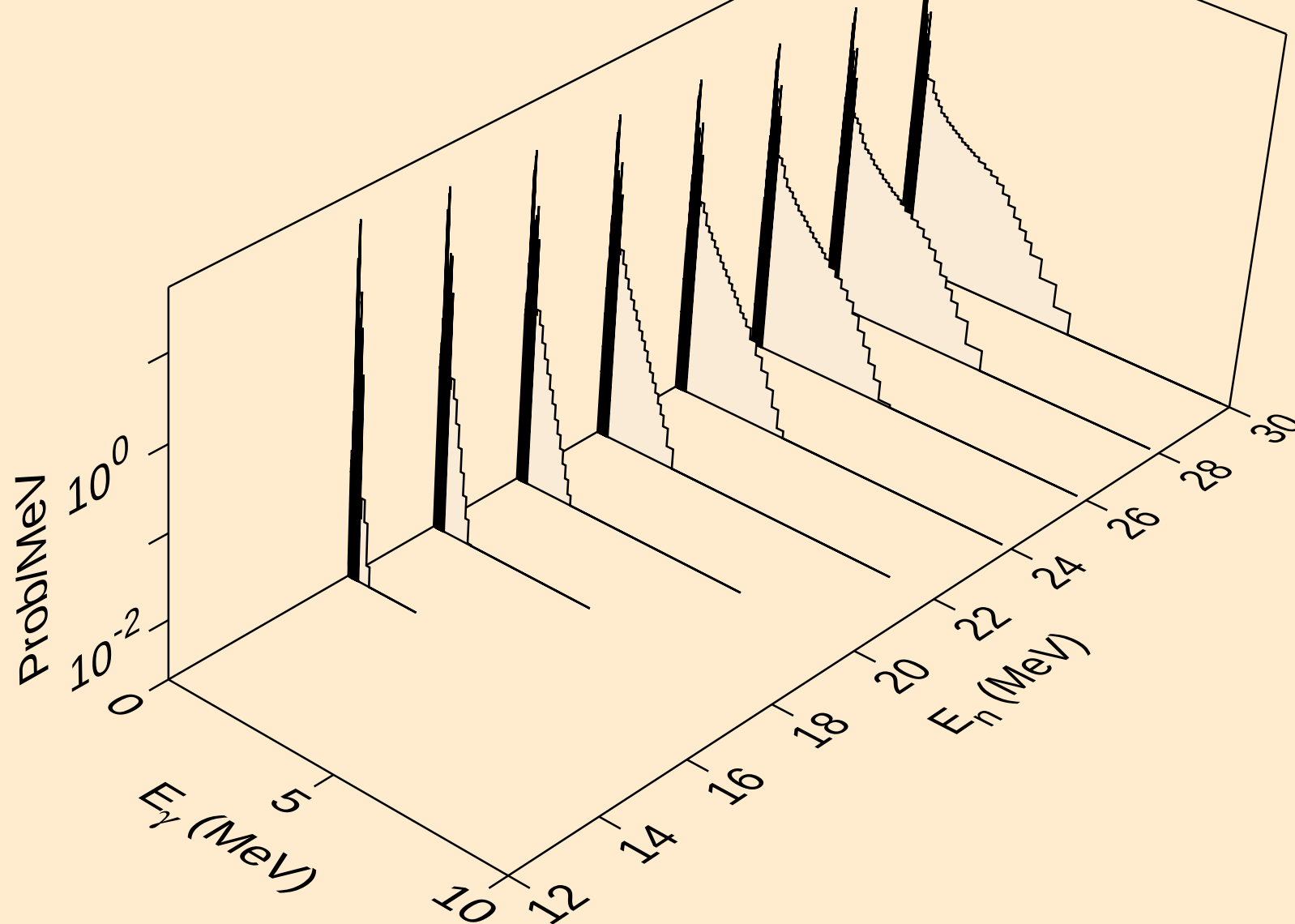
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)d



EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K

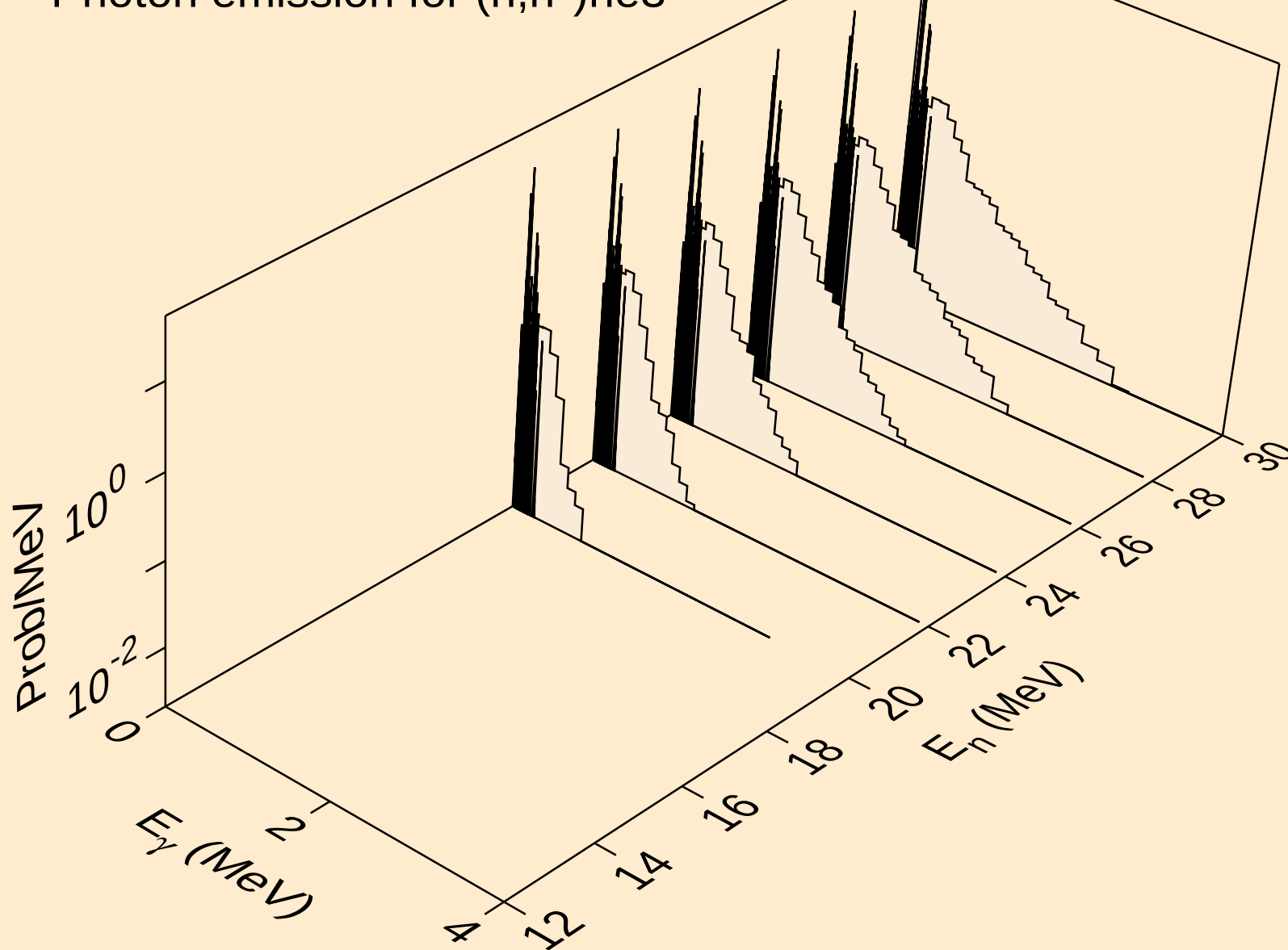
Photon emission for (n,n\*)t



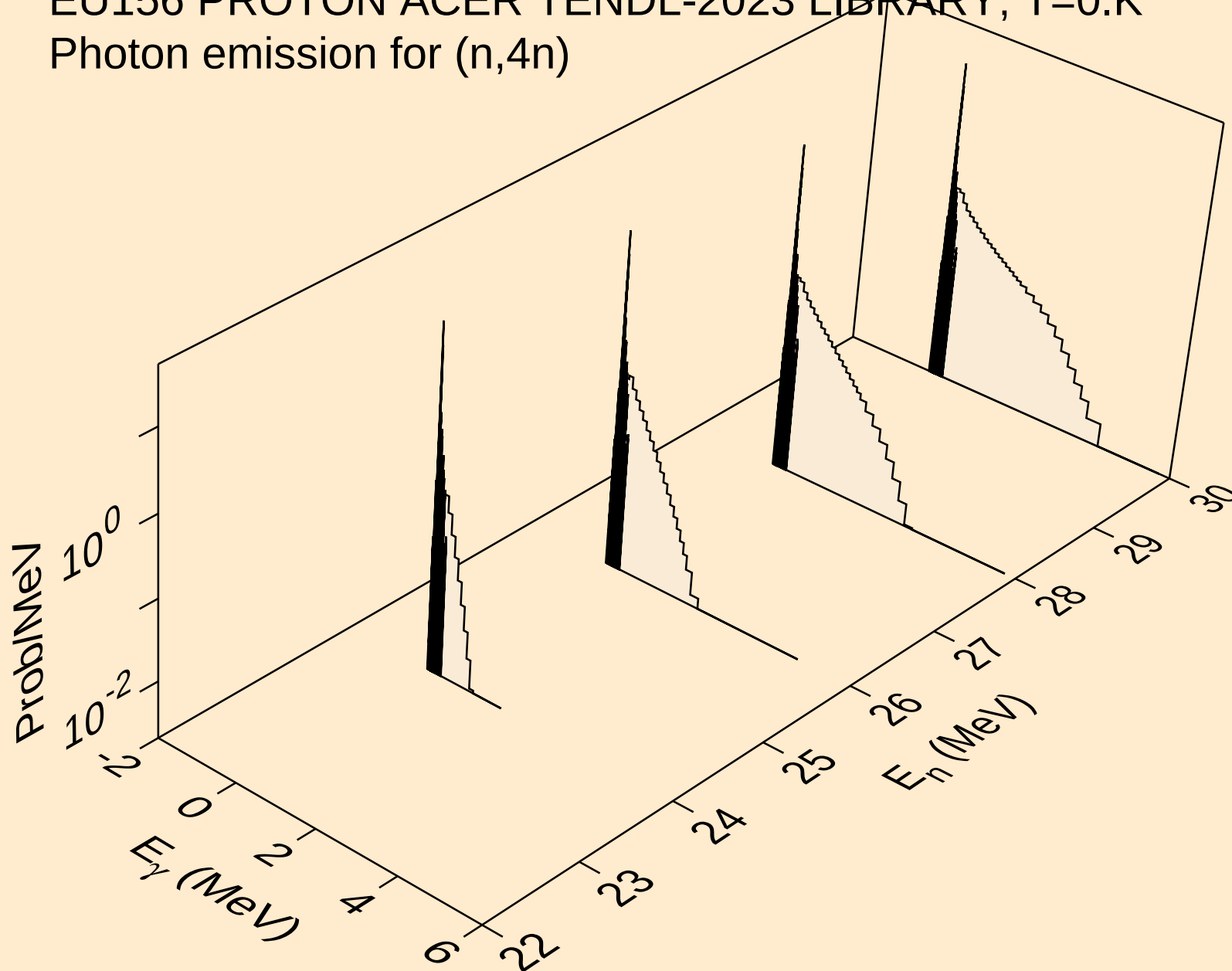


EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K

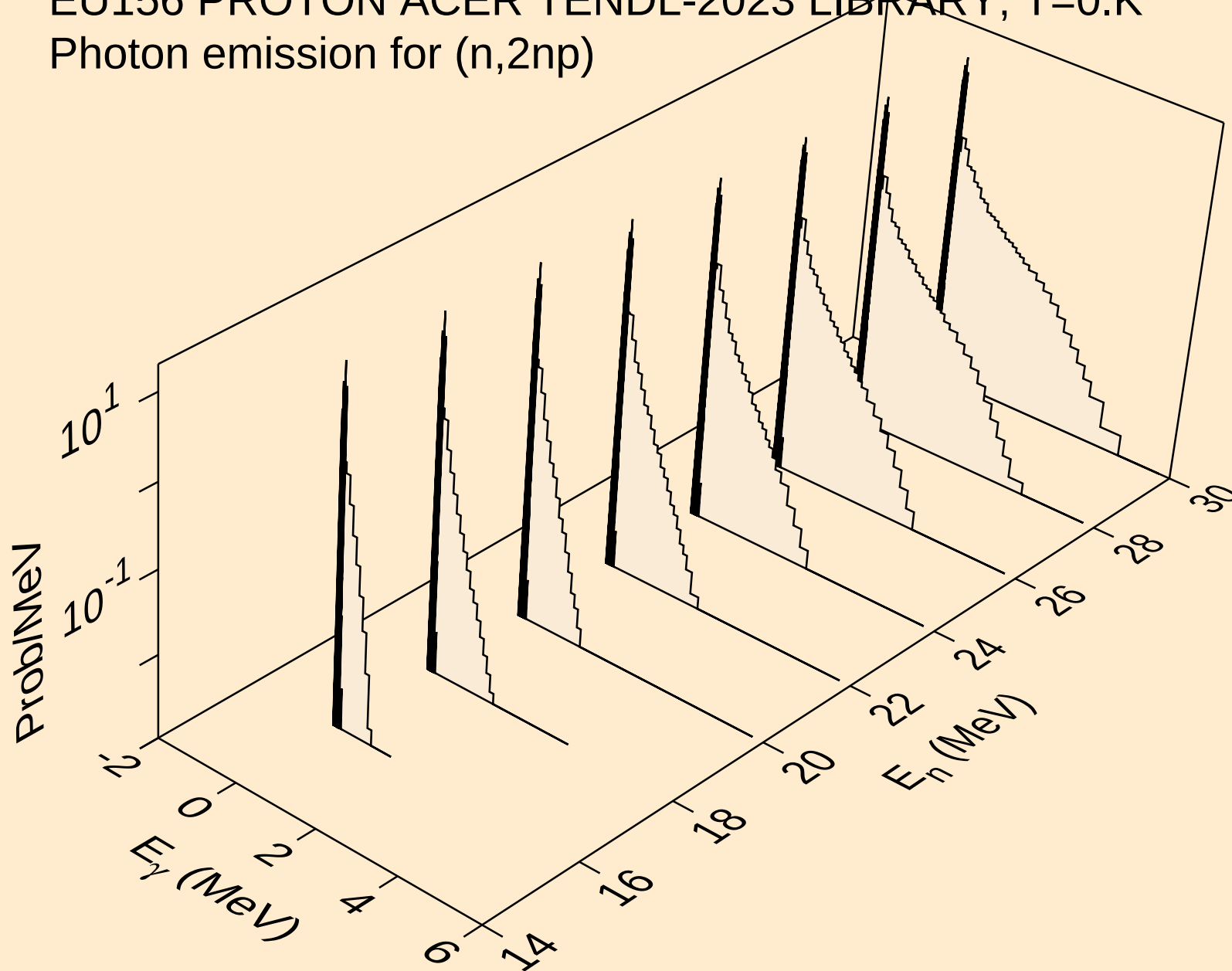
Photon emission for (n,n\*)he3



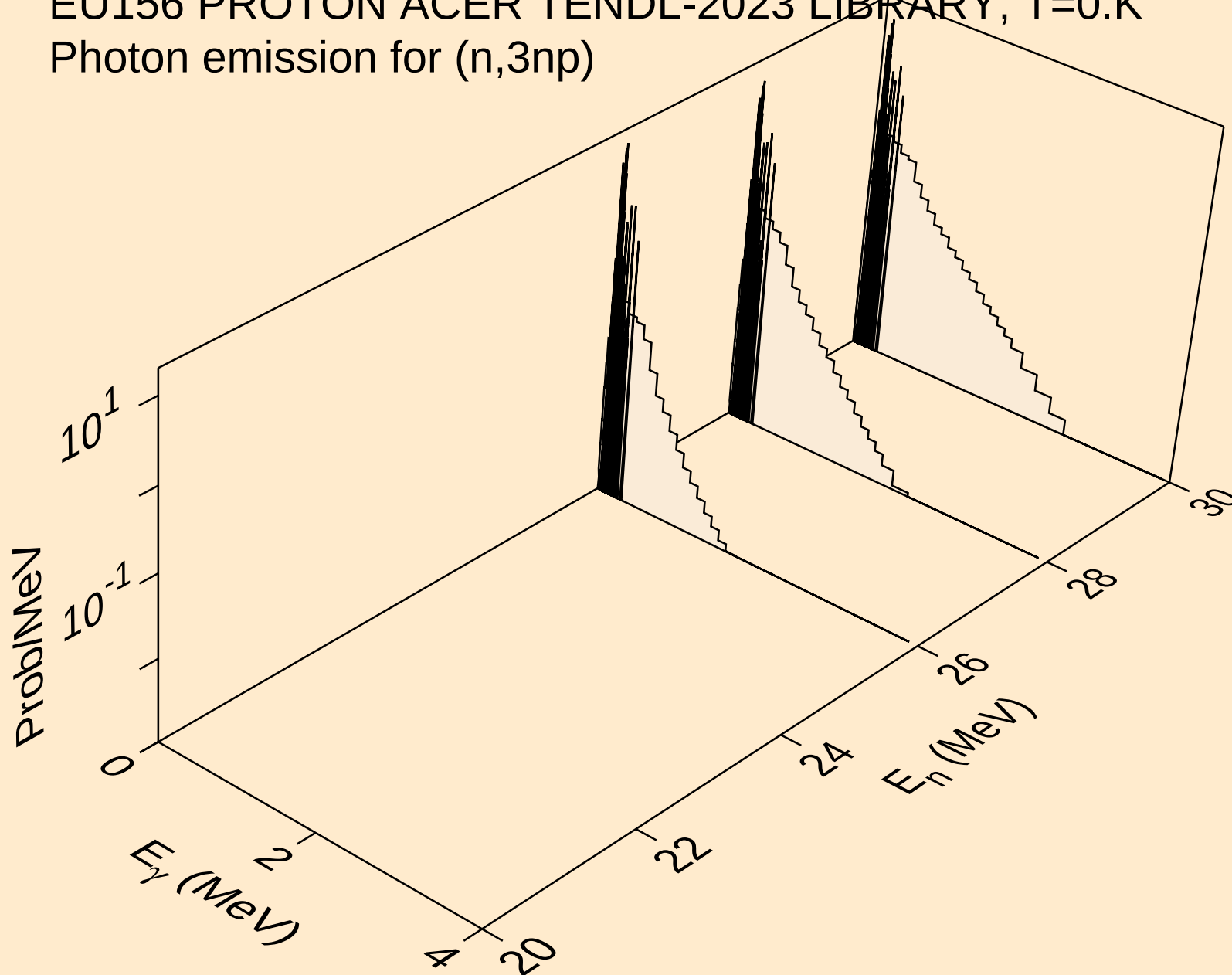
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



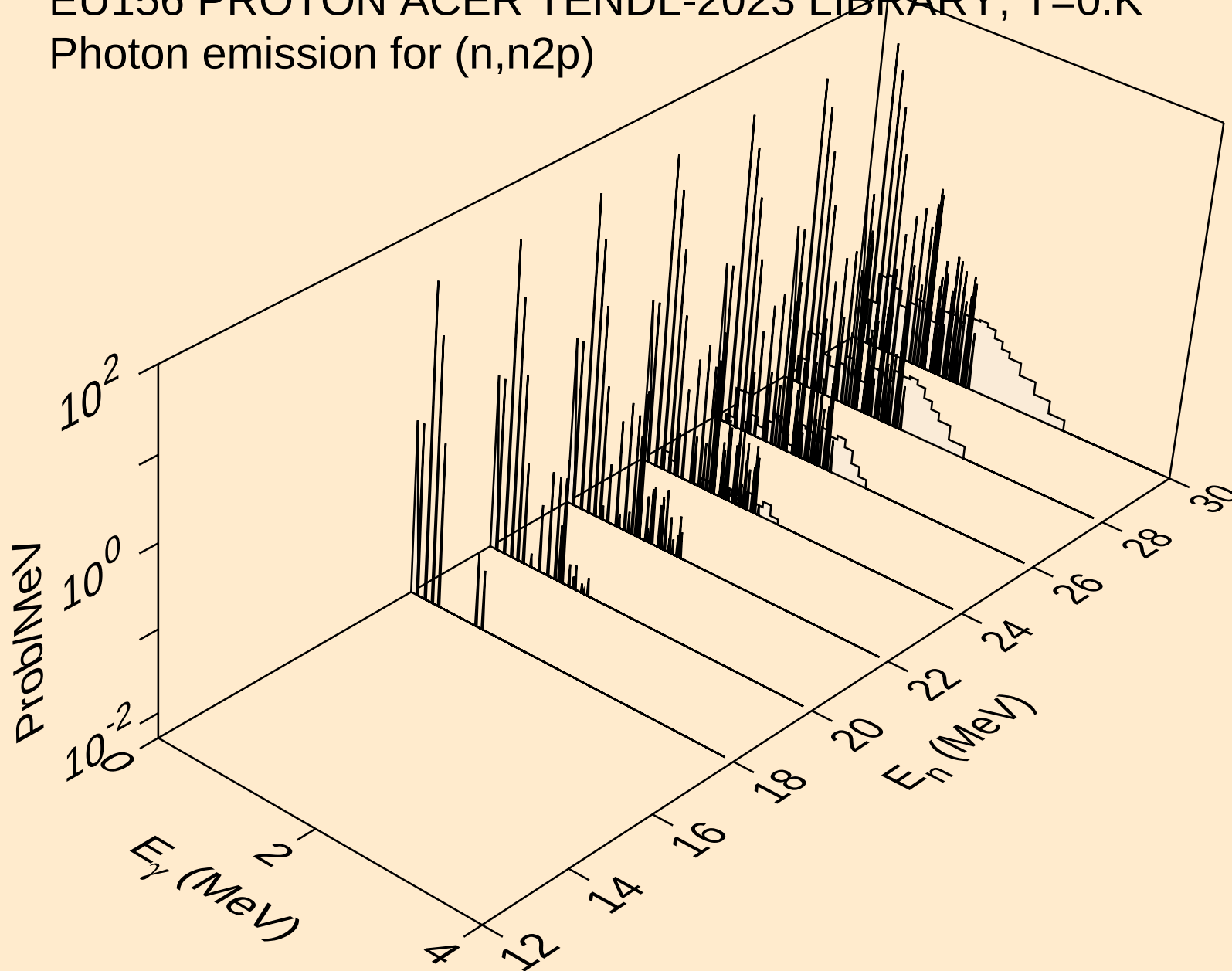
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



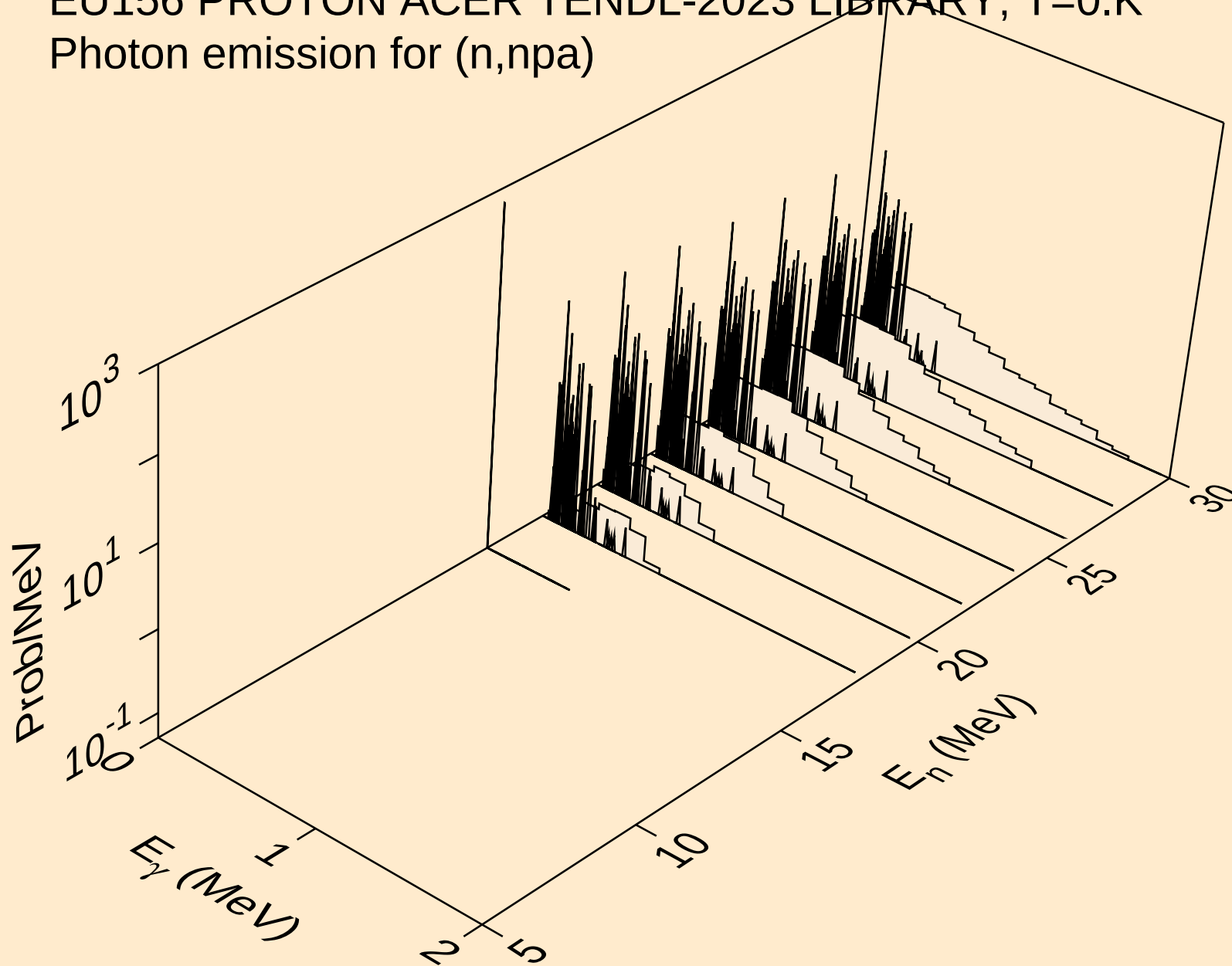
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



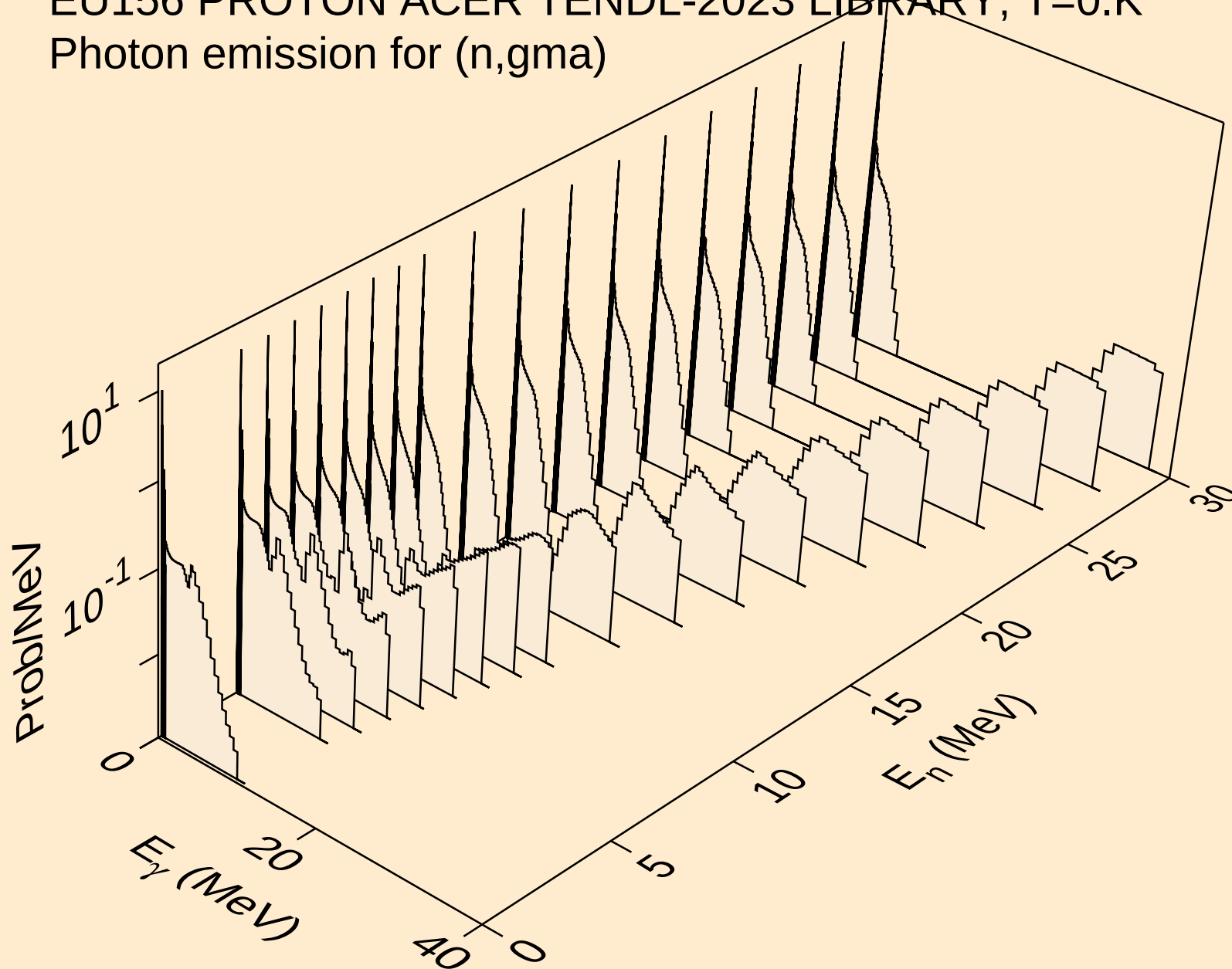
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Photon emission for (n,n2p)



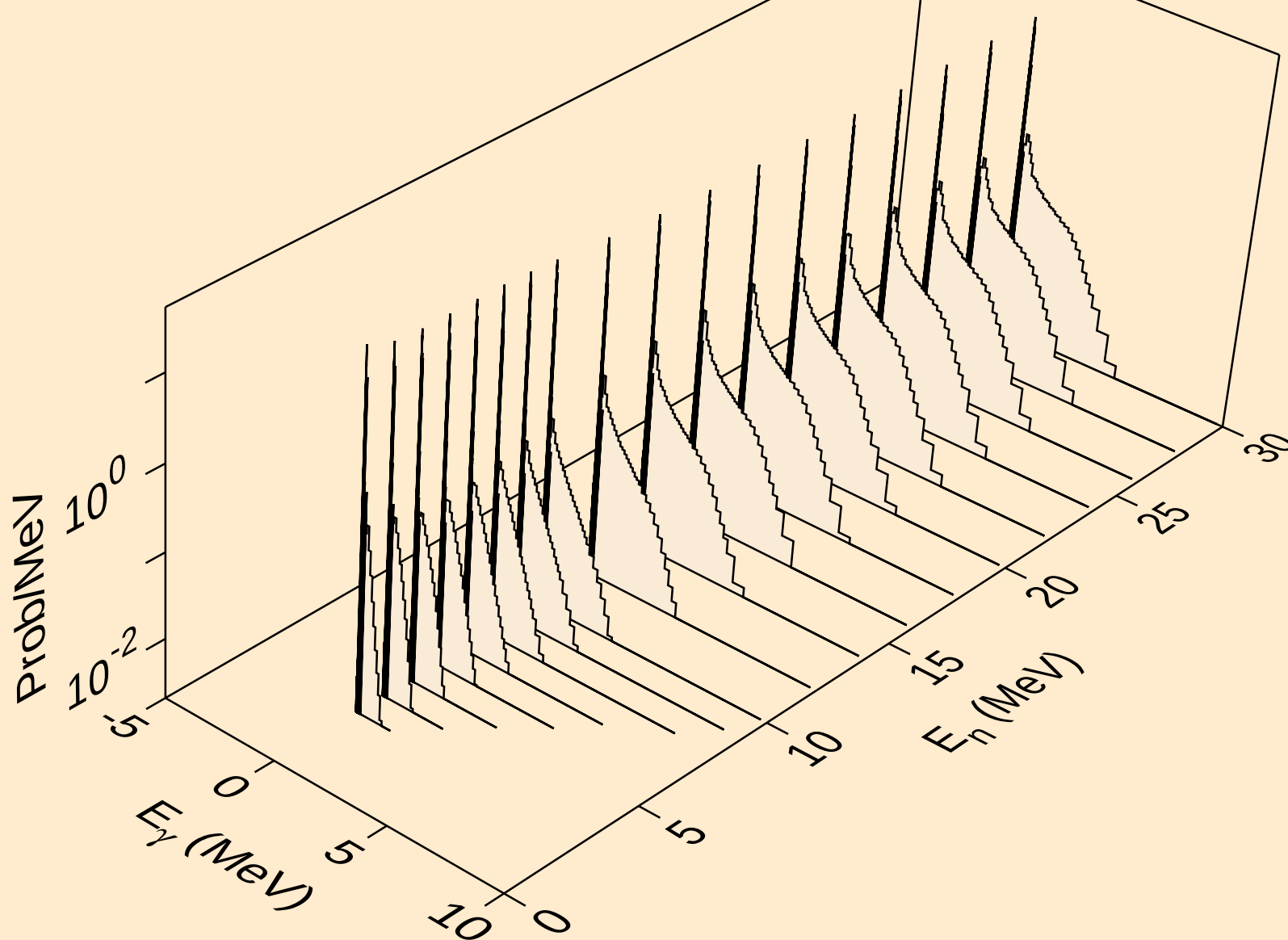
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)

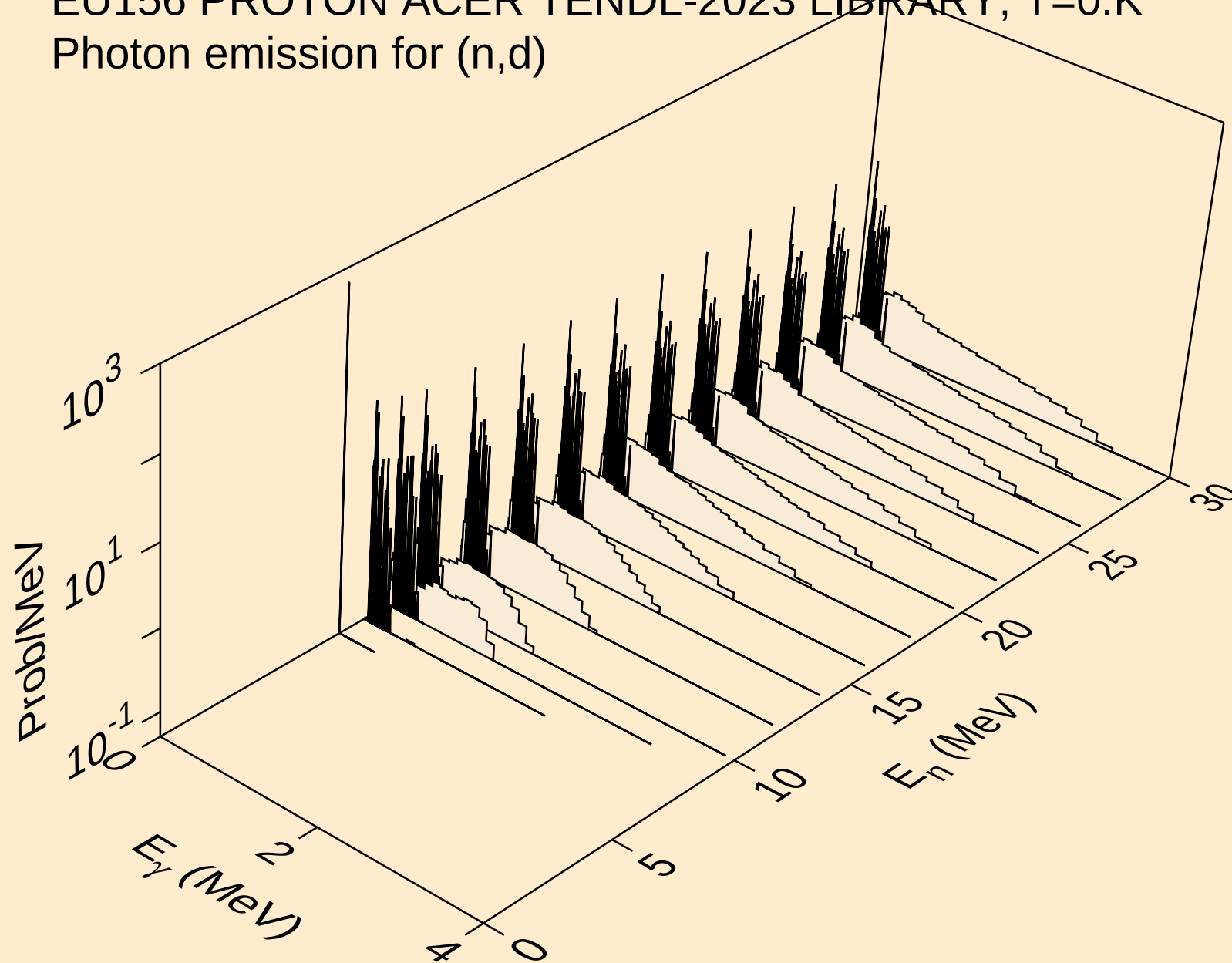


EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic

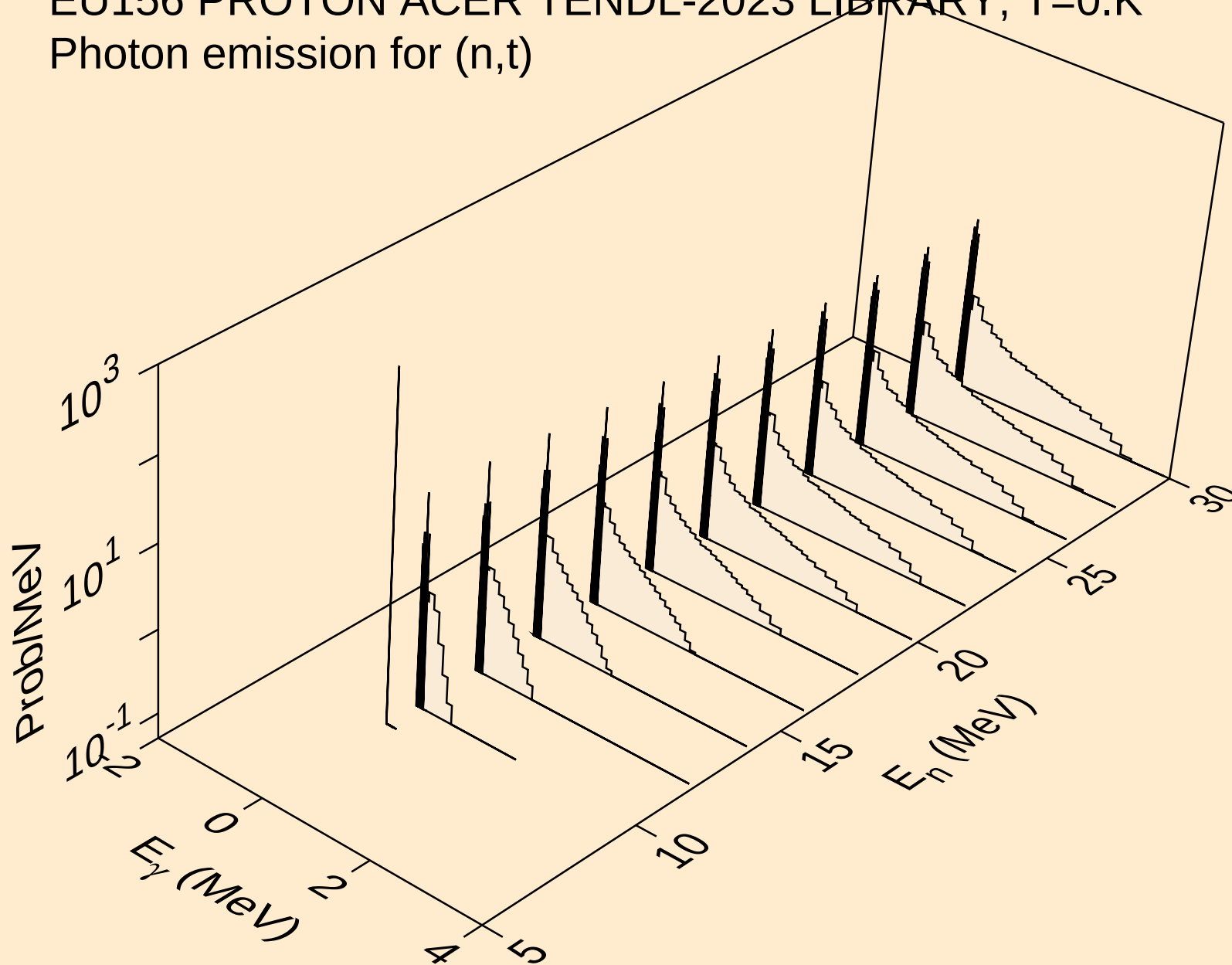




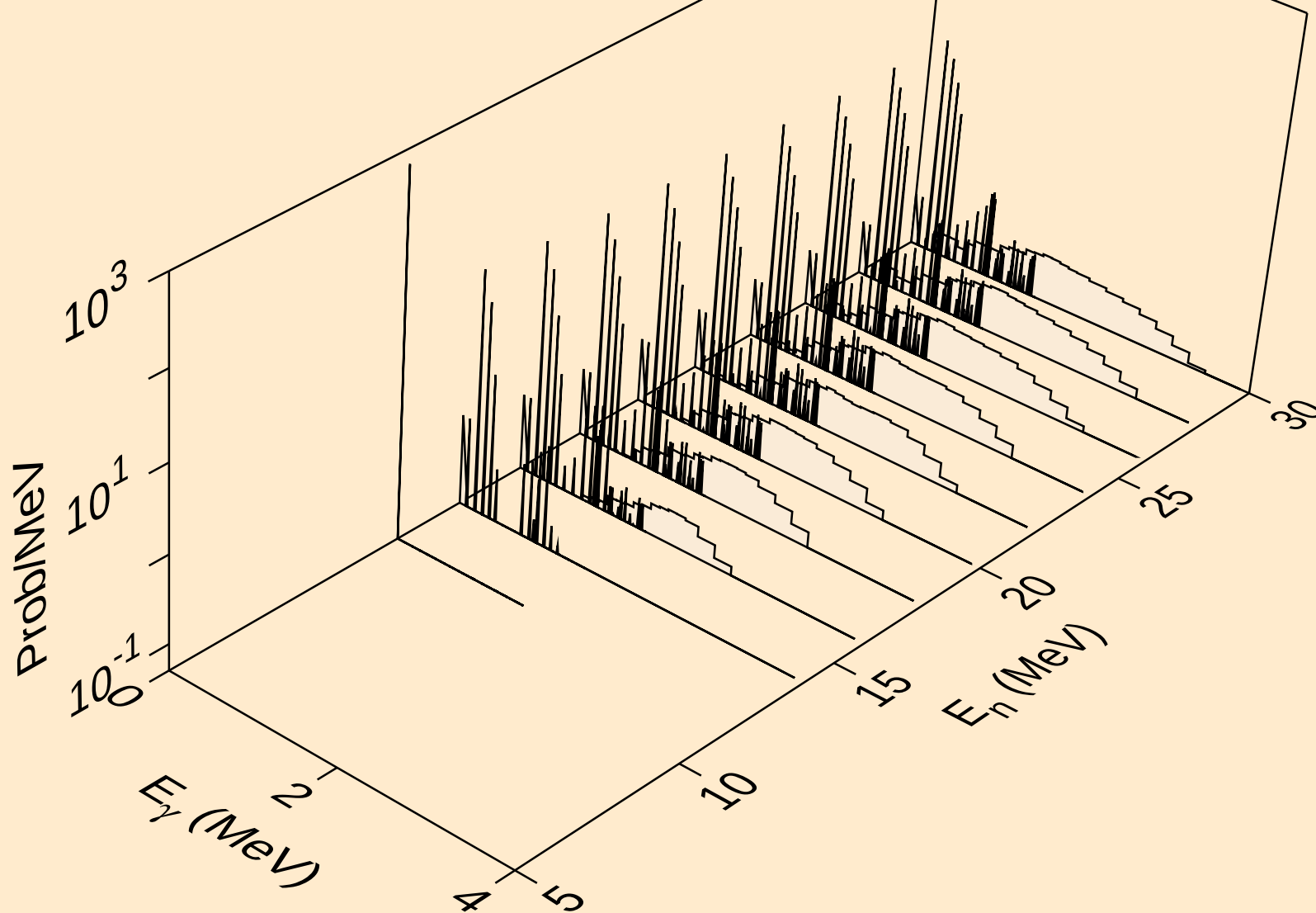
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Photon emission for (n,d)



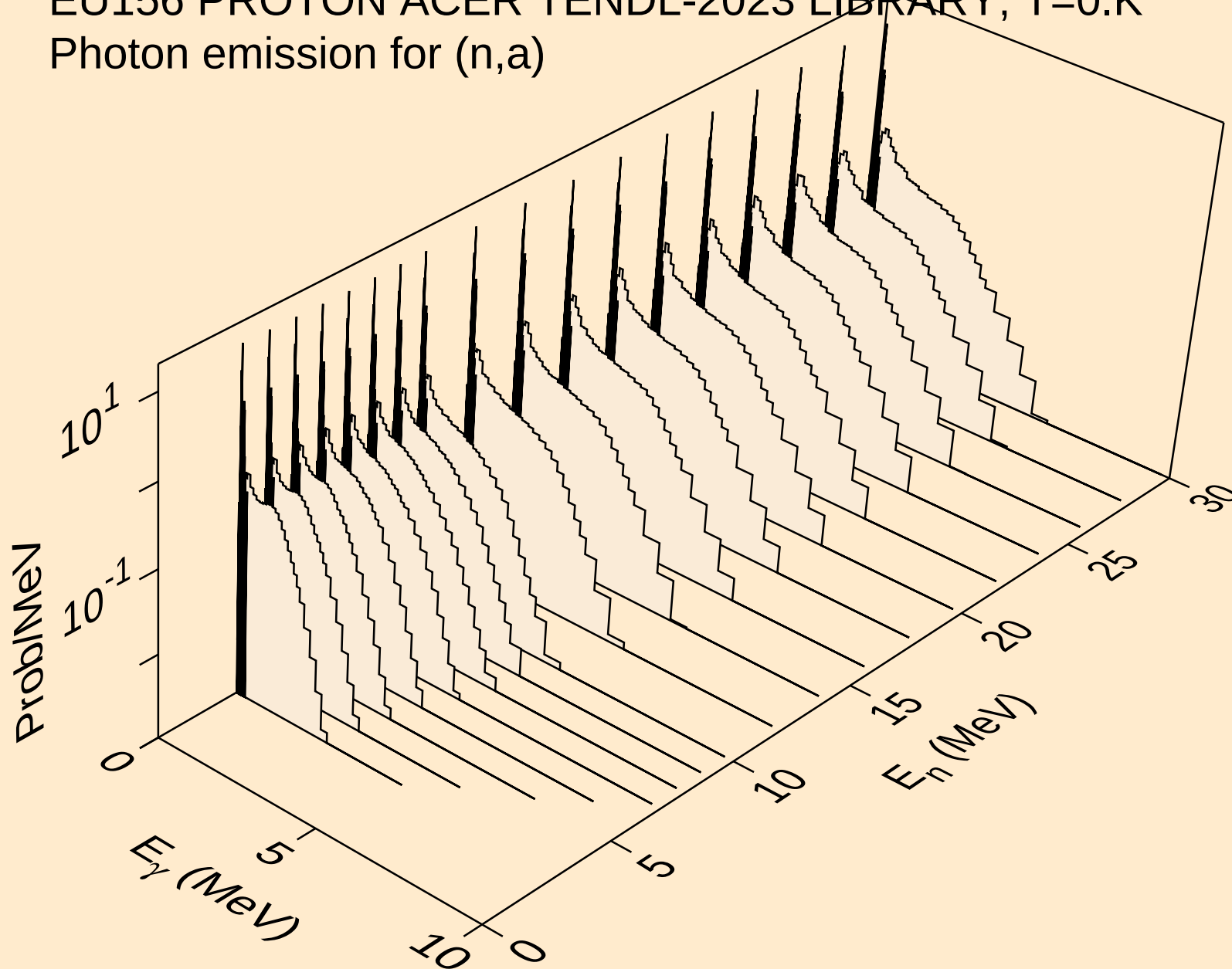
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



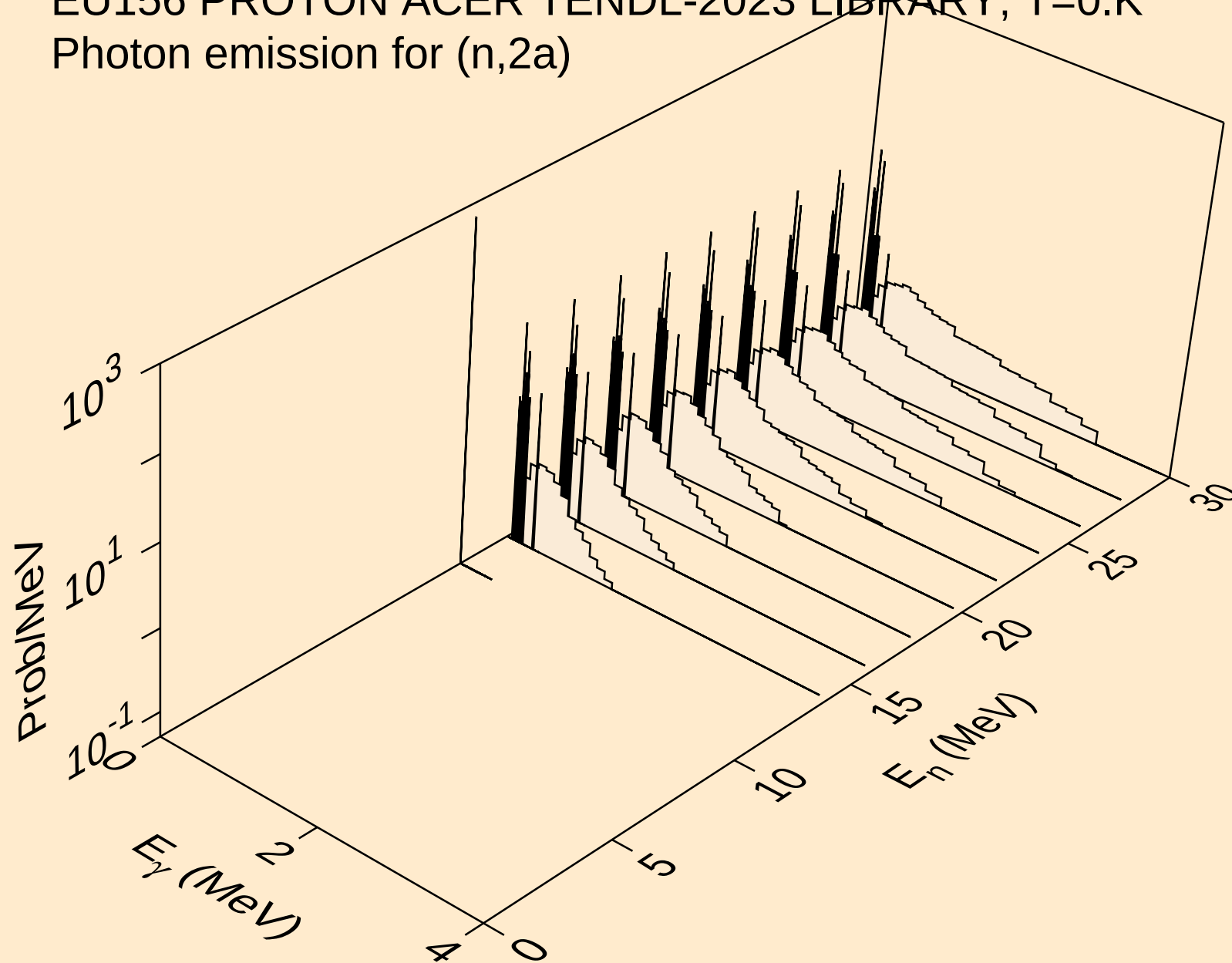
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



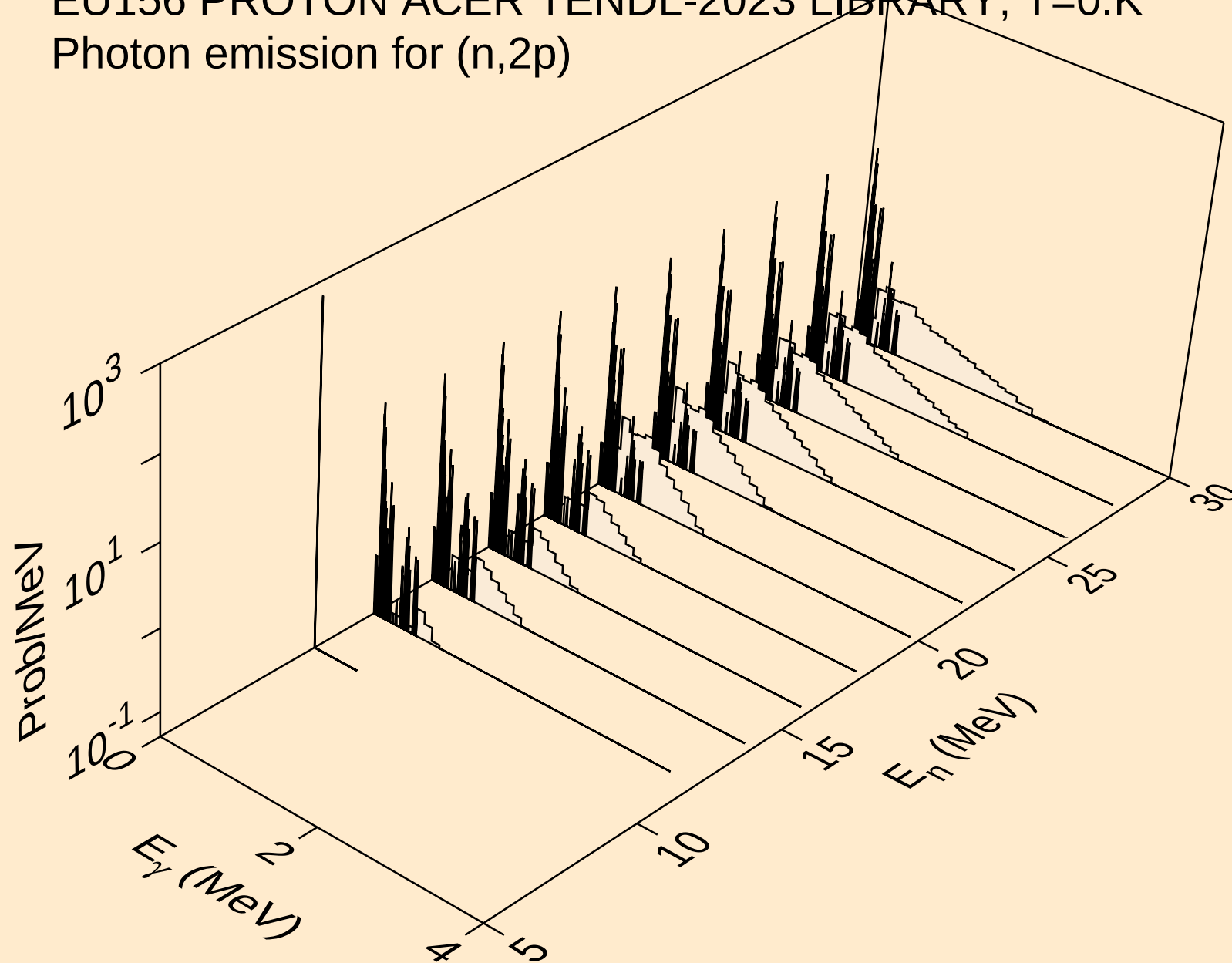
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)

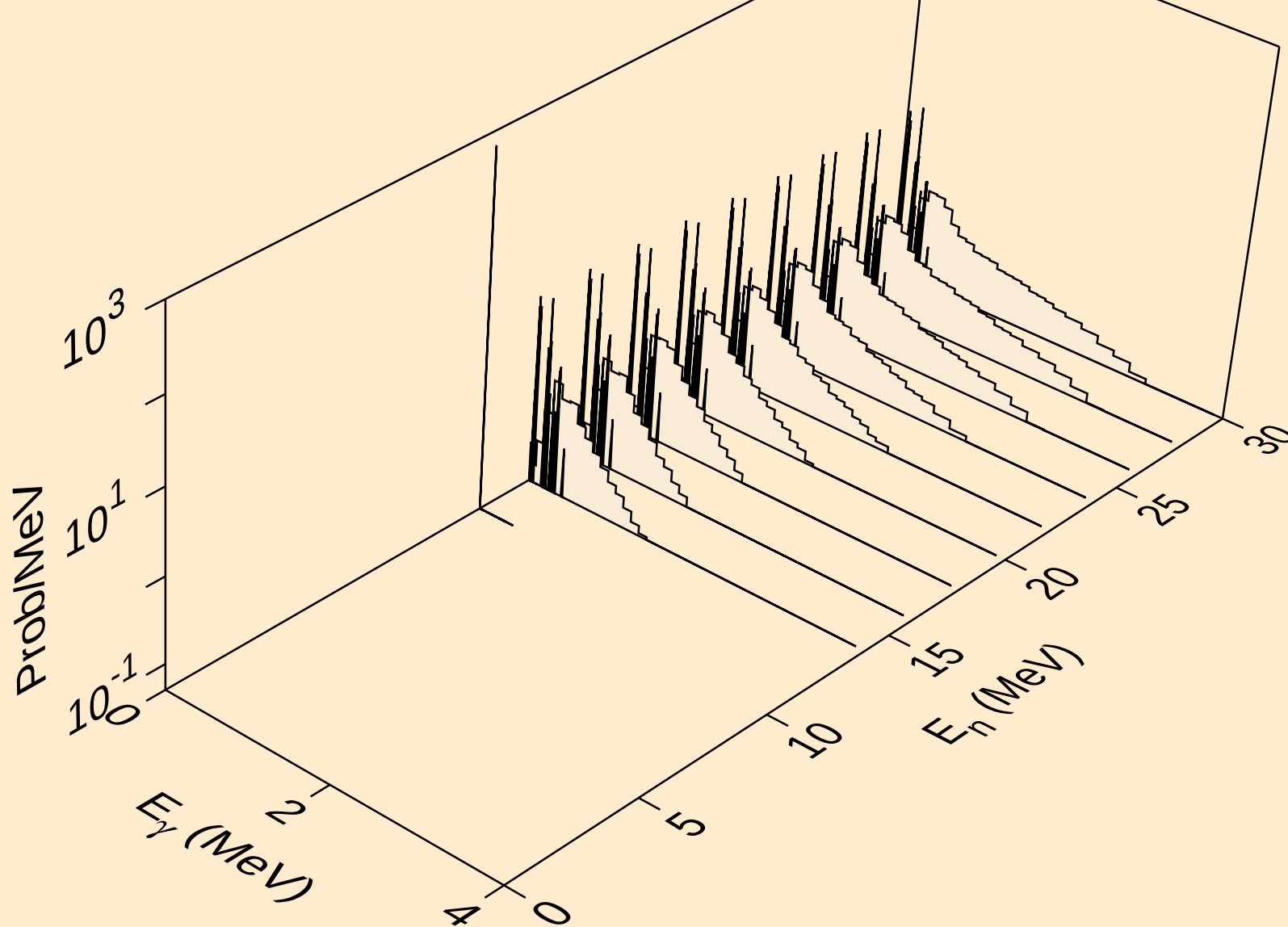


EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



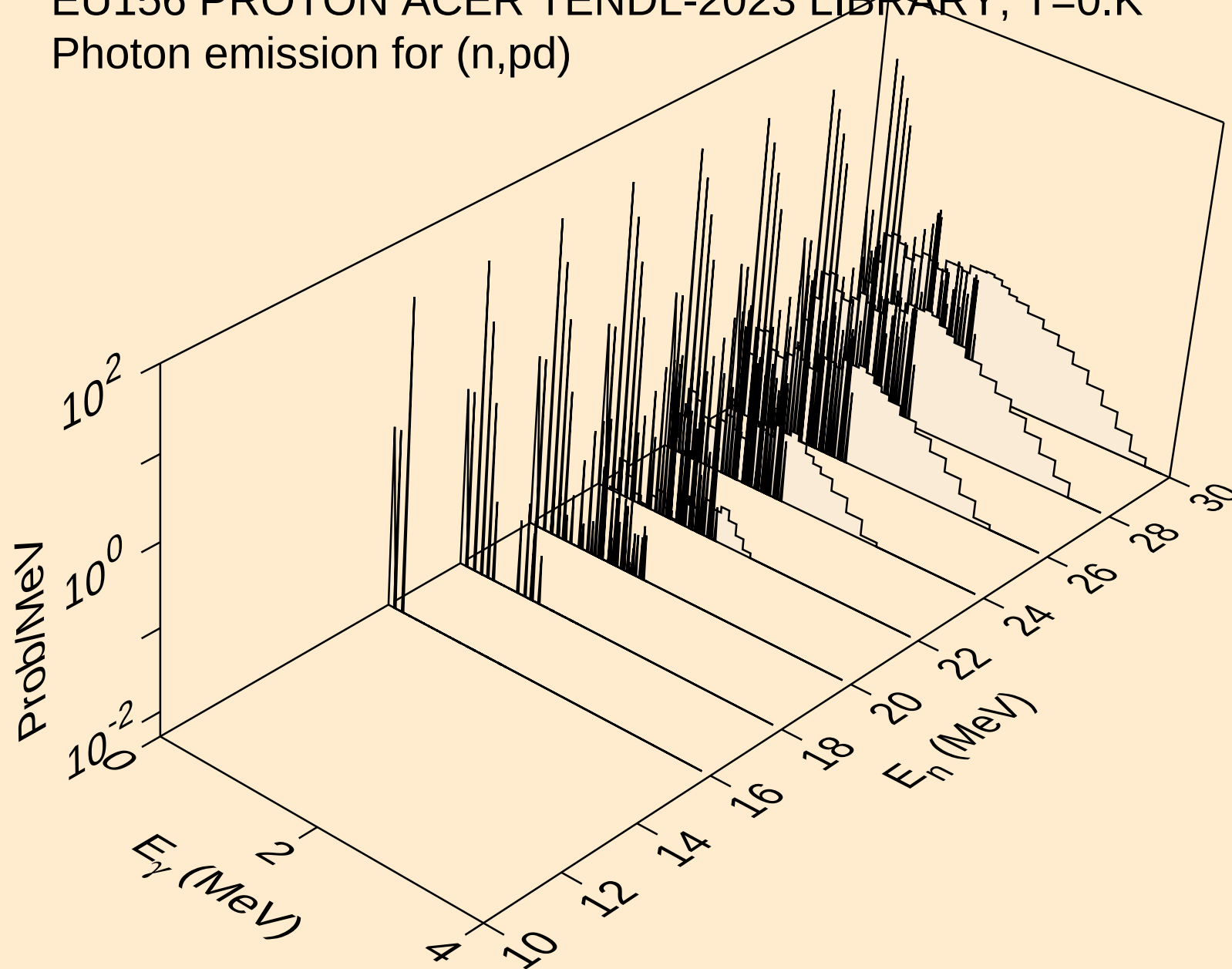
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K

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



# EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K

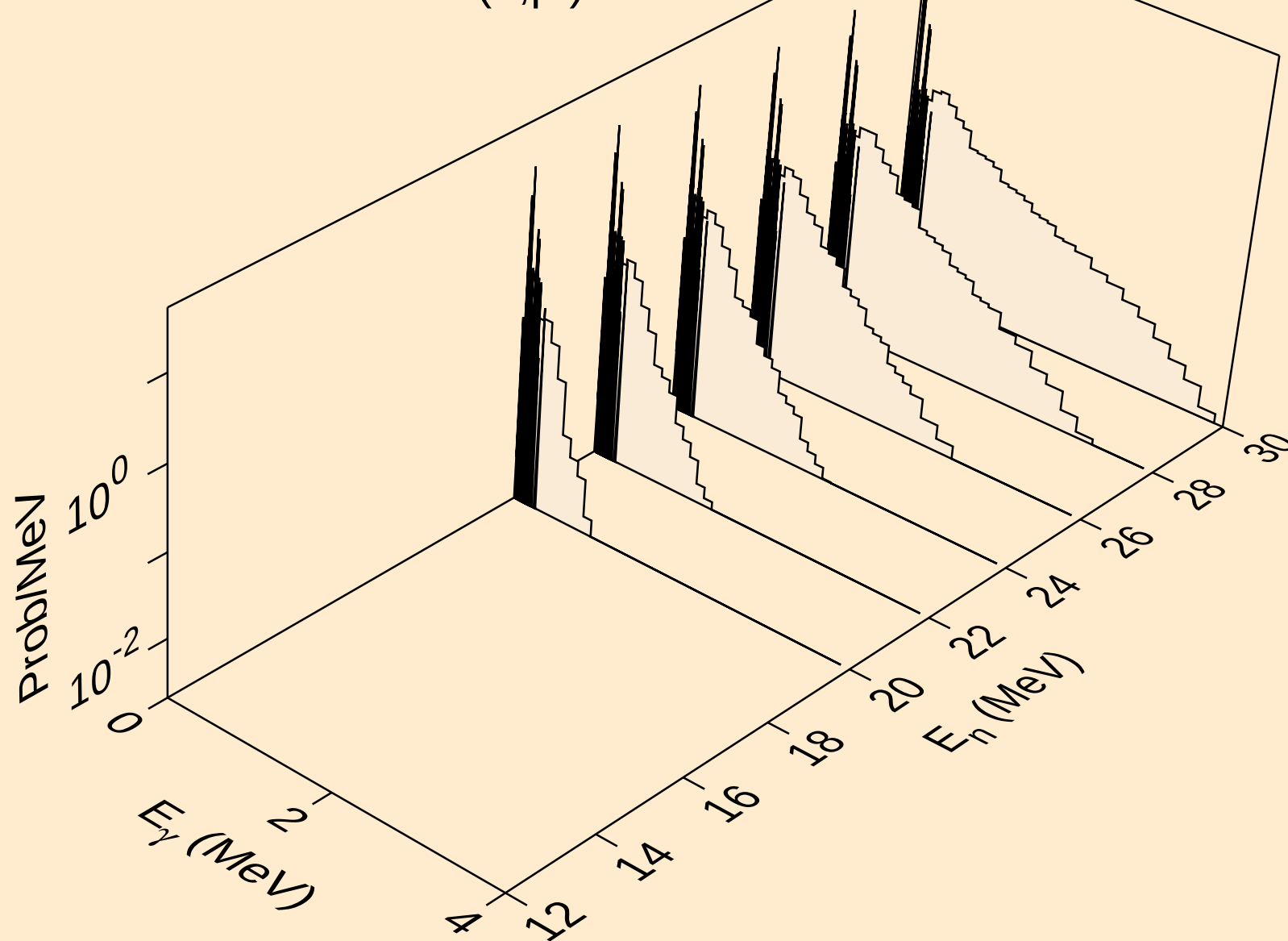
Photon emission for (n,pd)



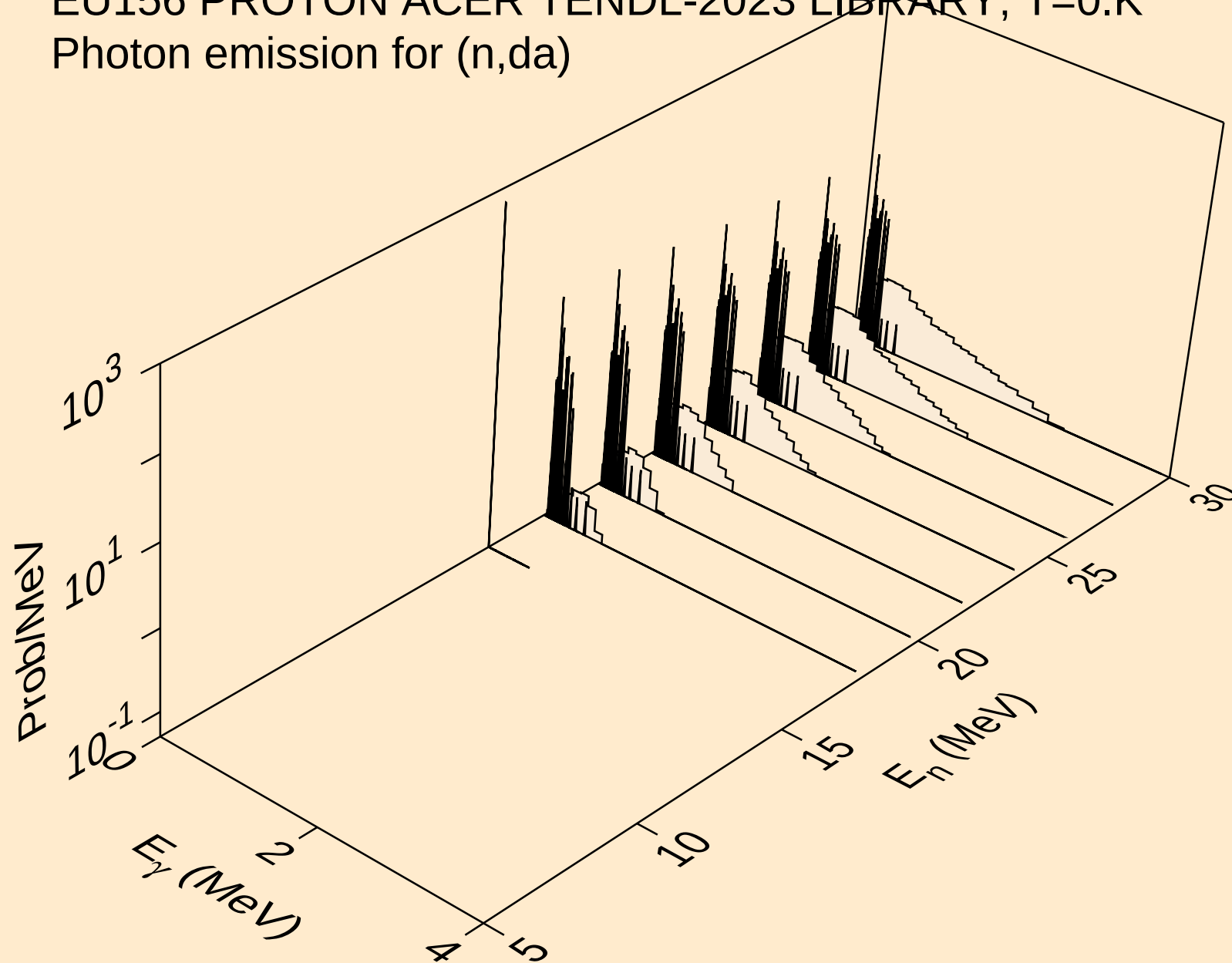


EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,pt)

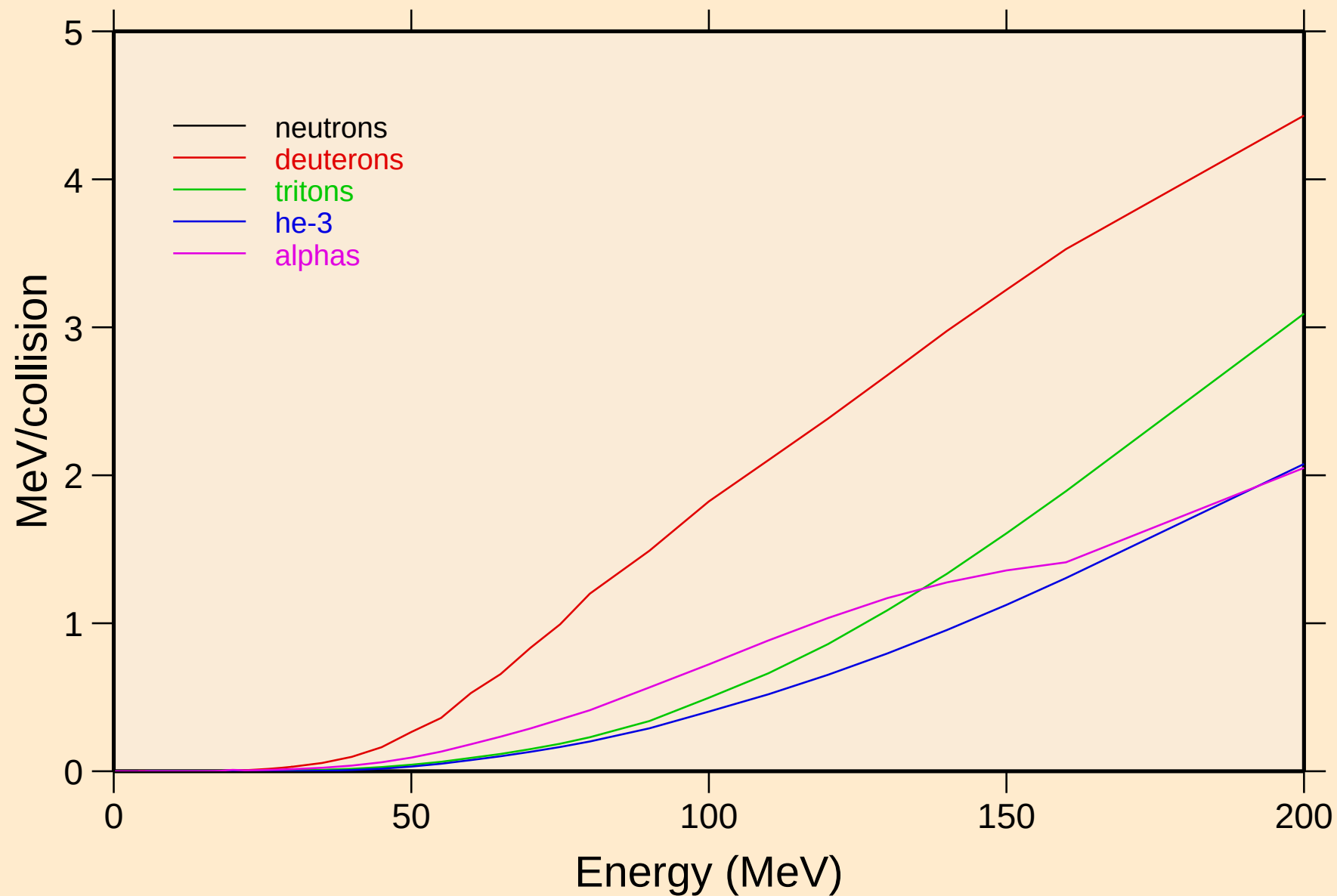


EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



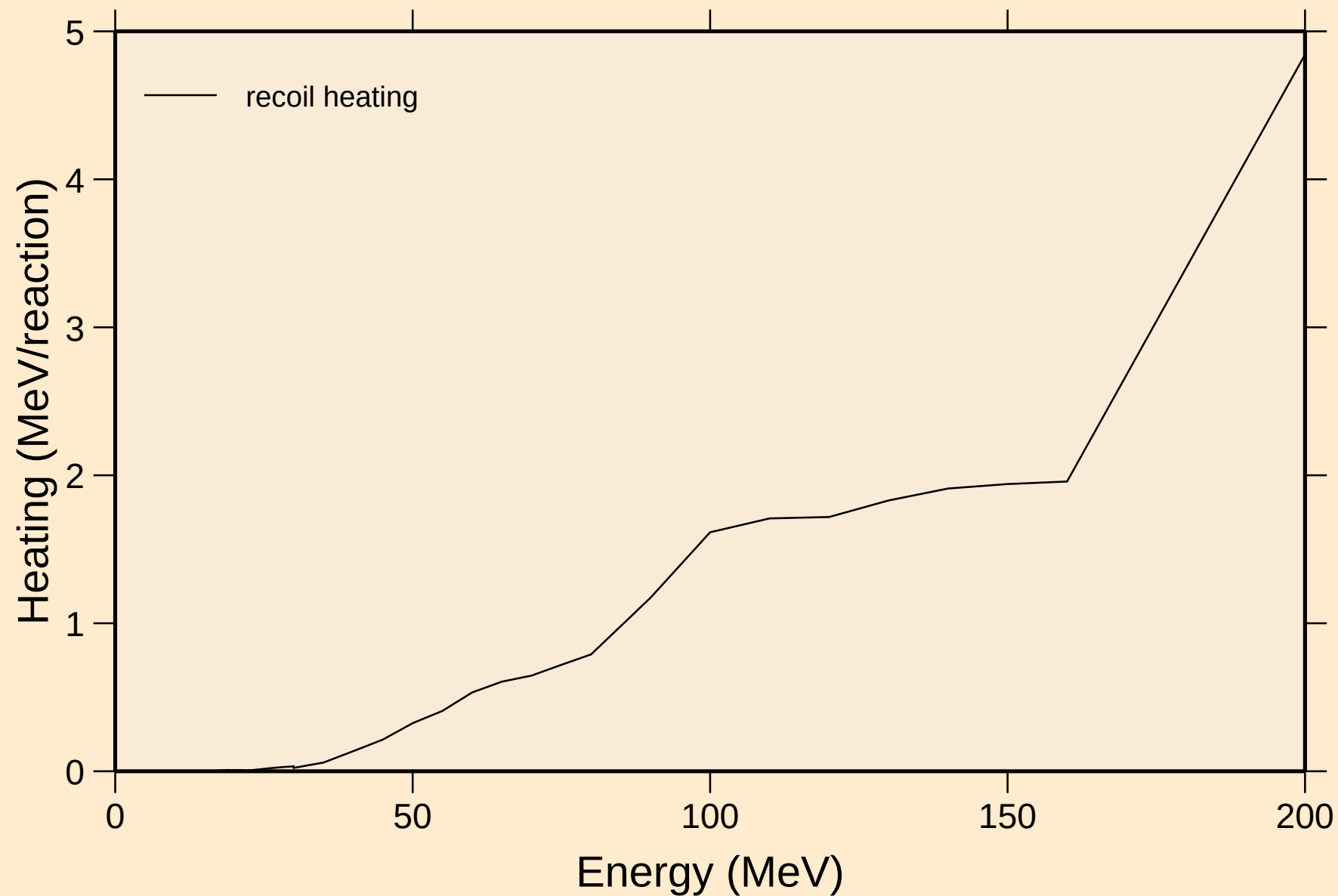
# EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions



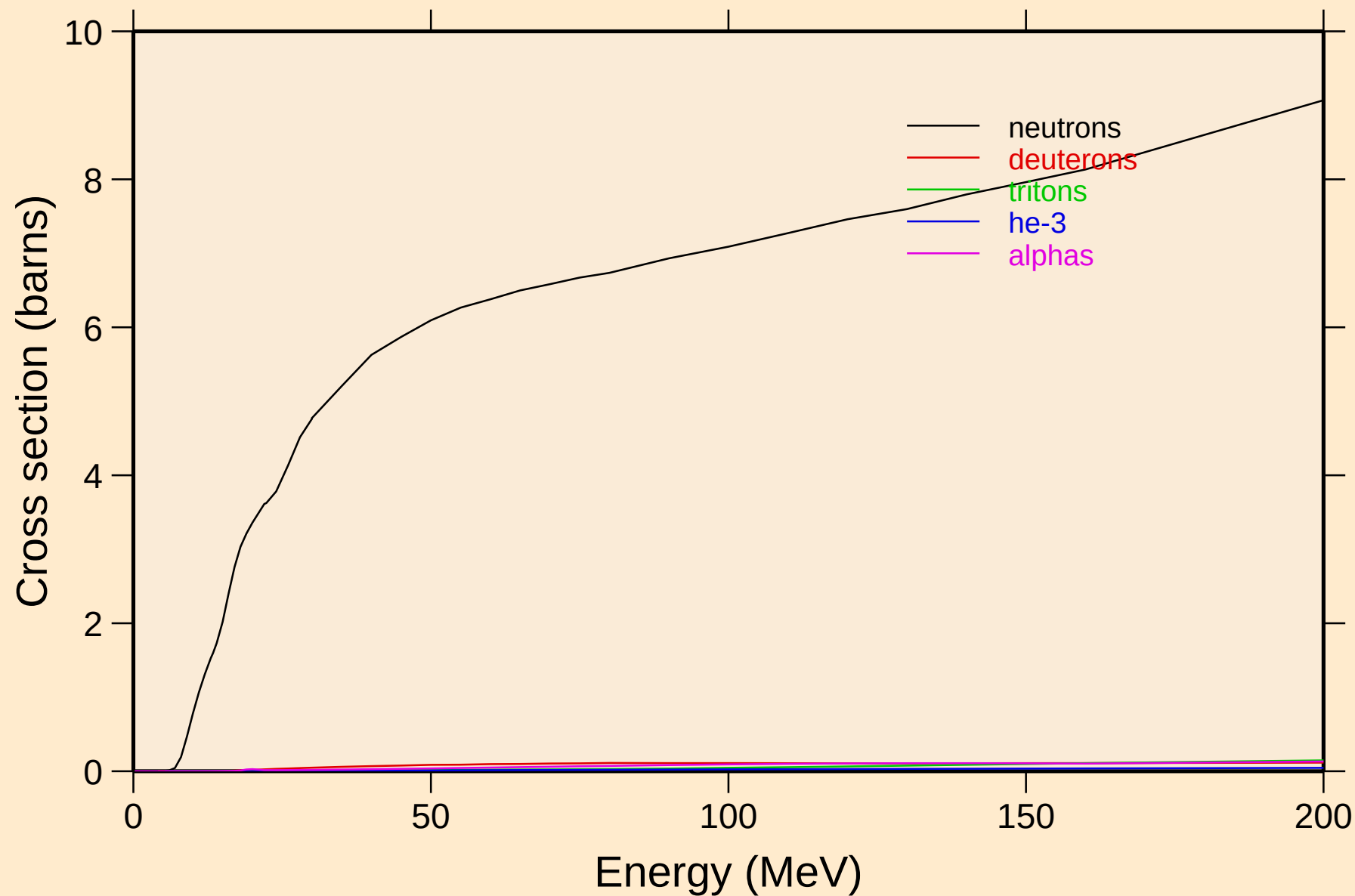
# EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Recoil Heating

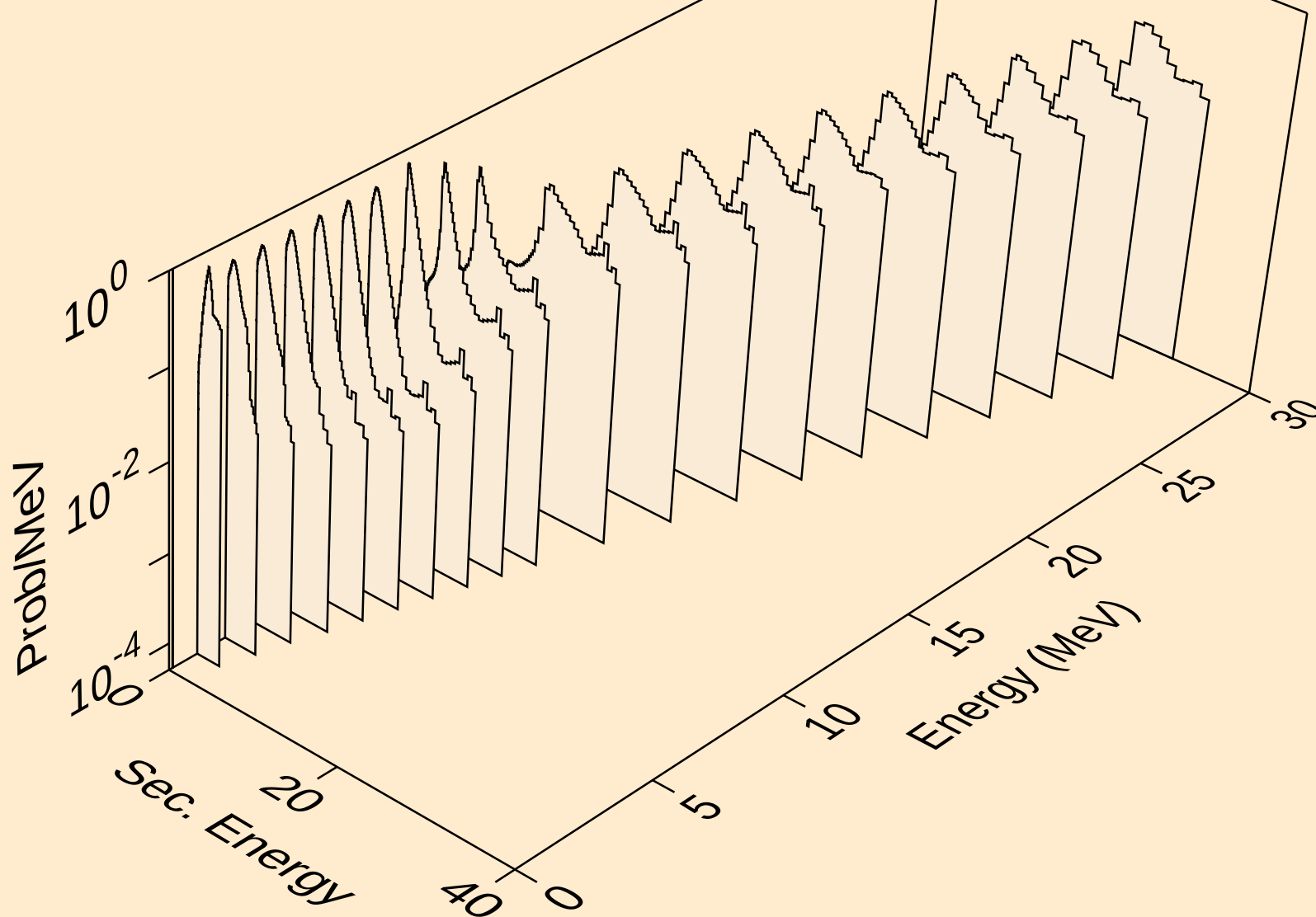


# EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K

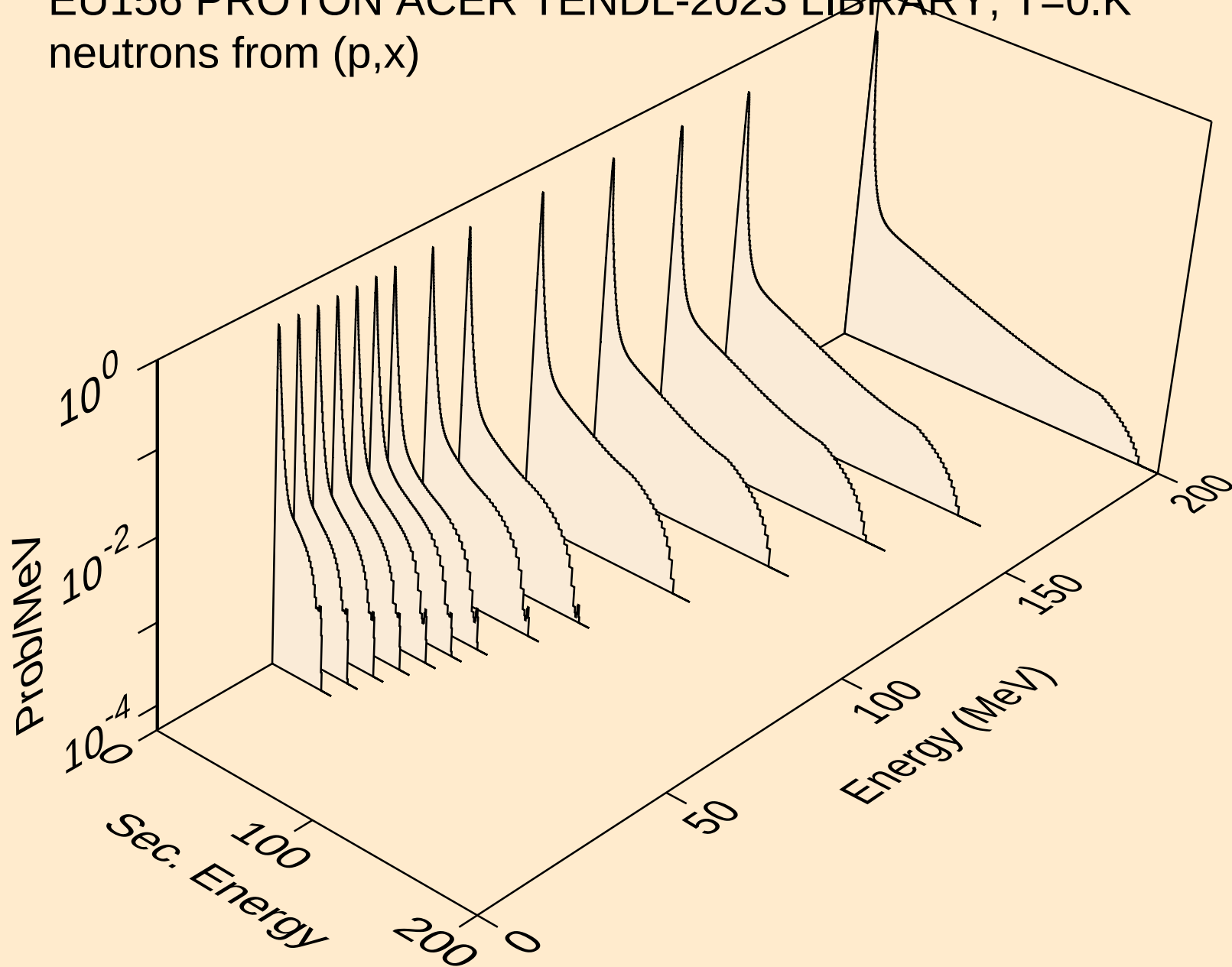
## Particle production cross sections



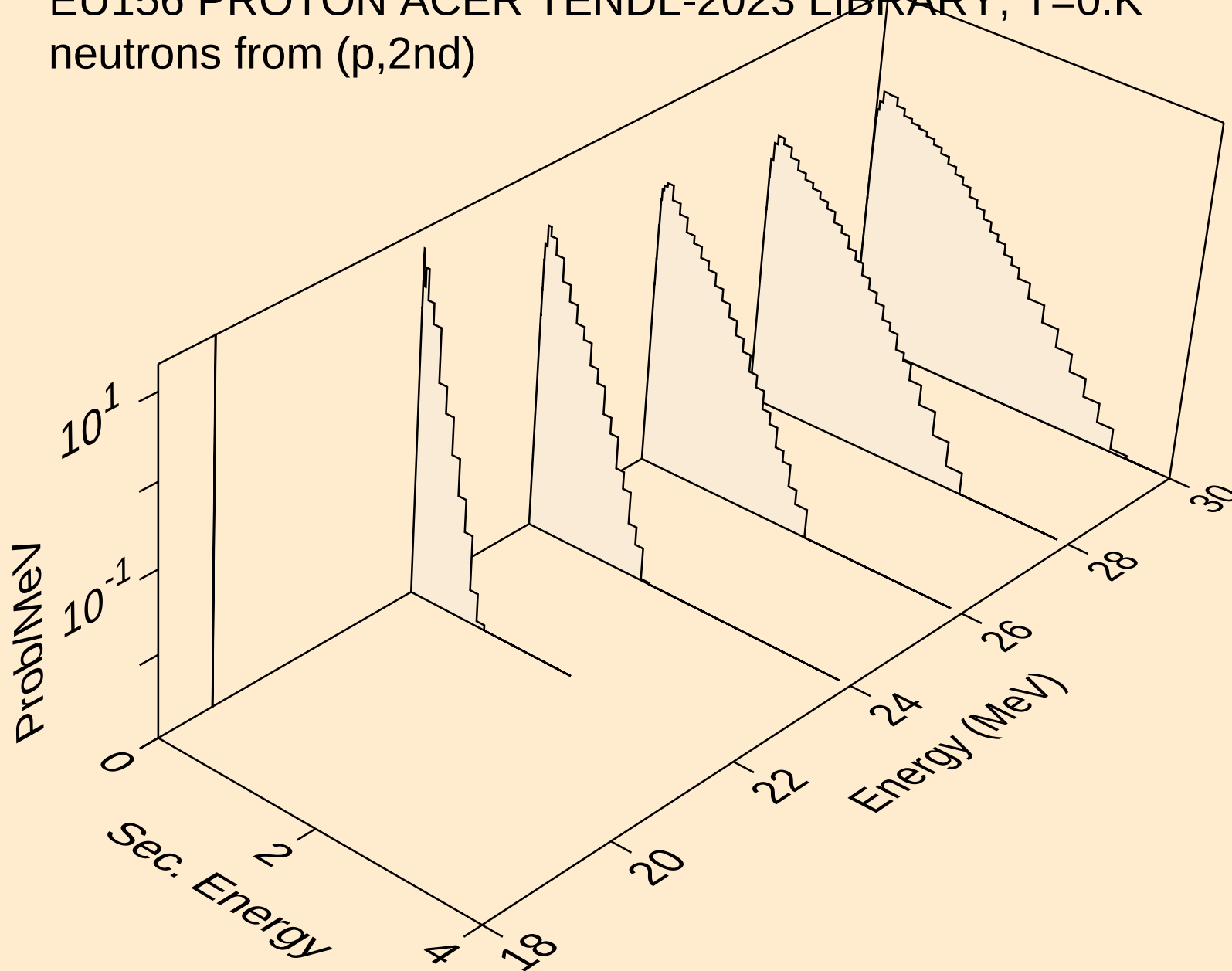
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)



EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,x)

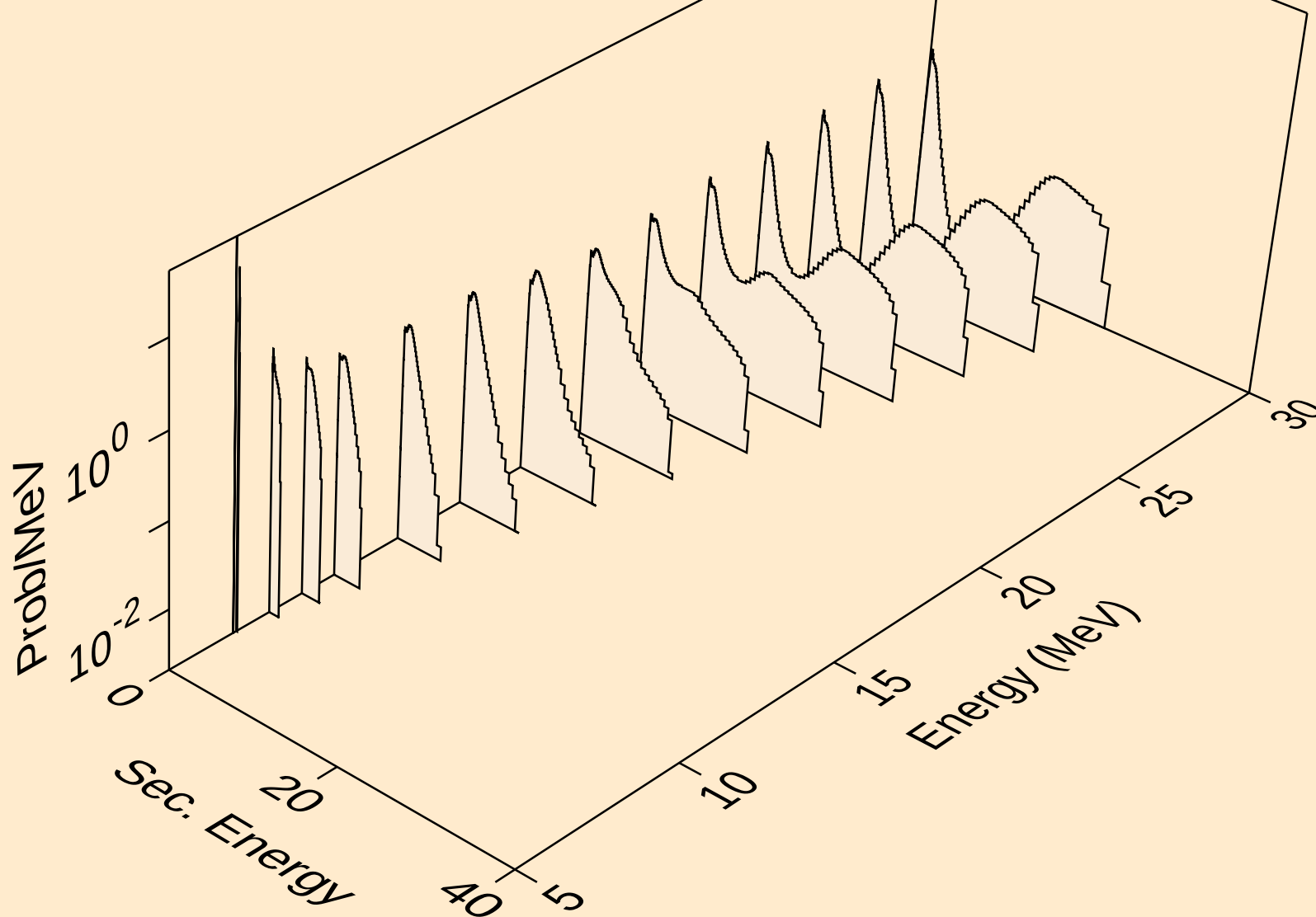


EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2nd)

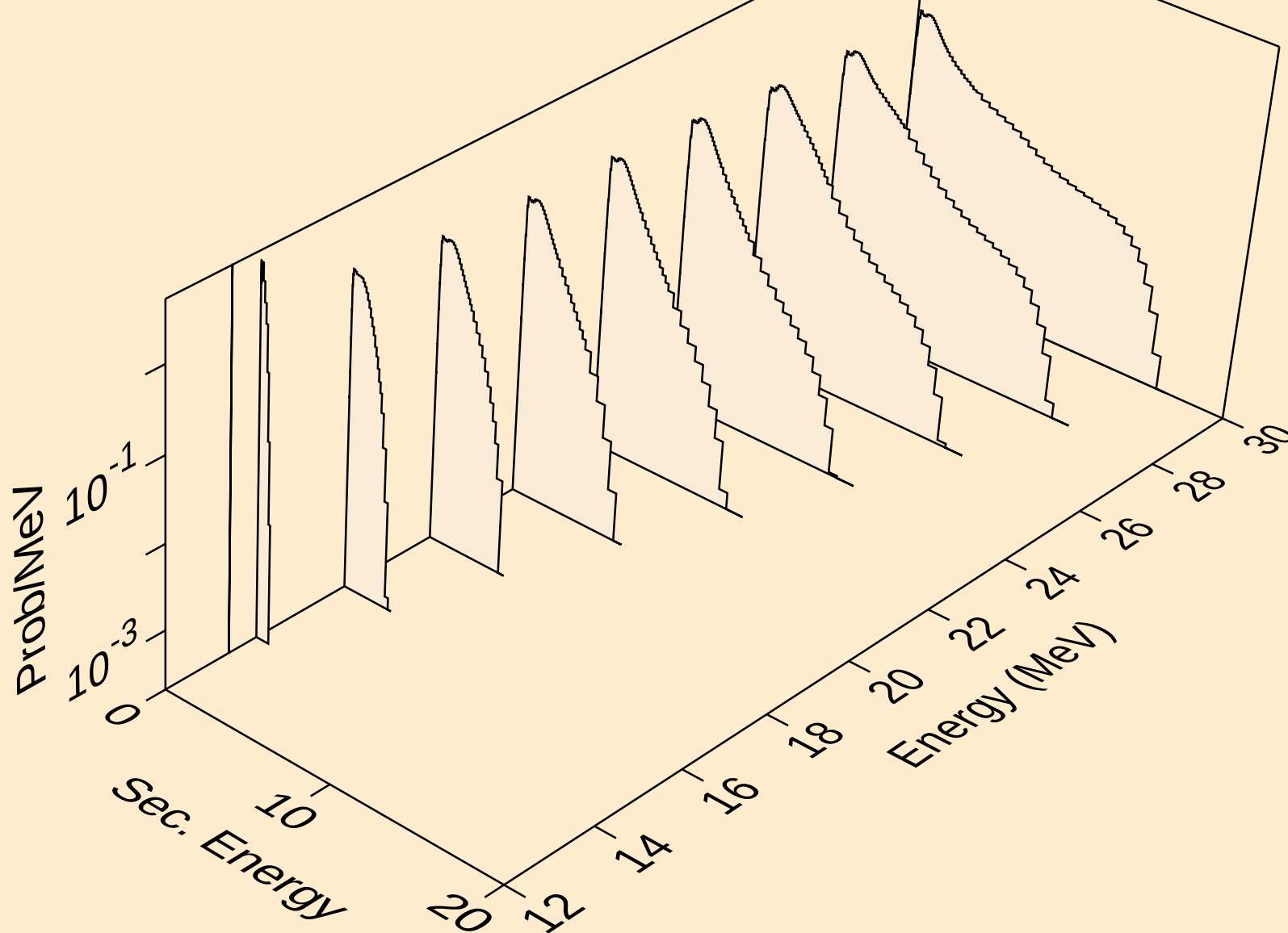




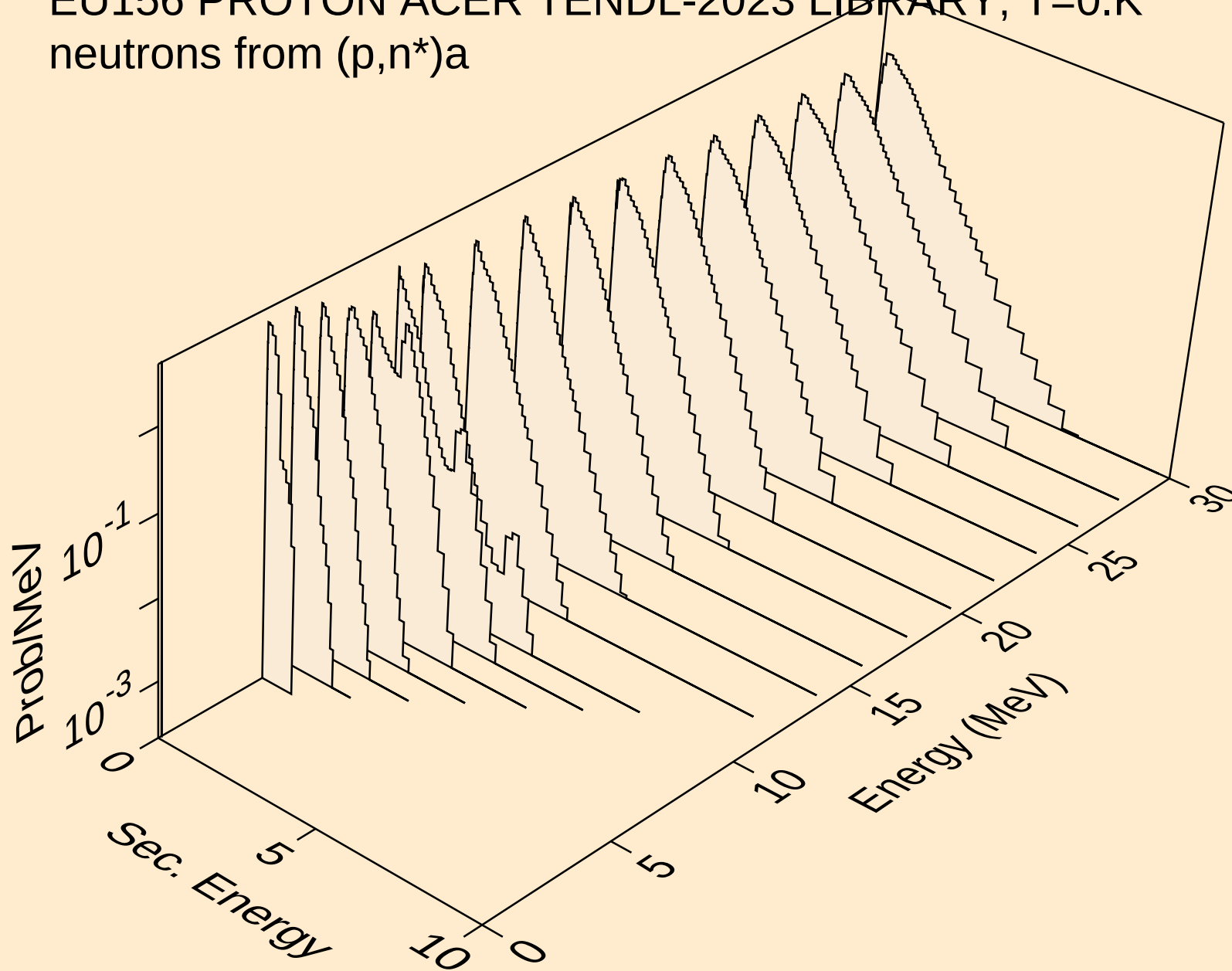
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)



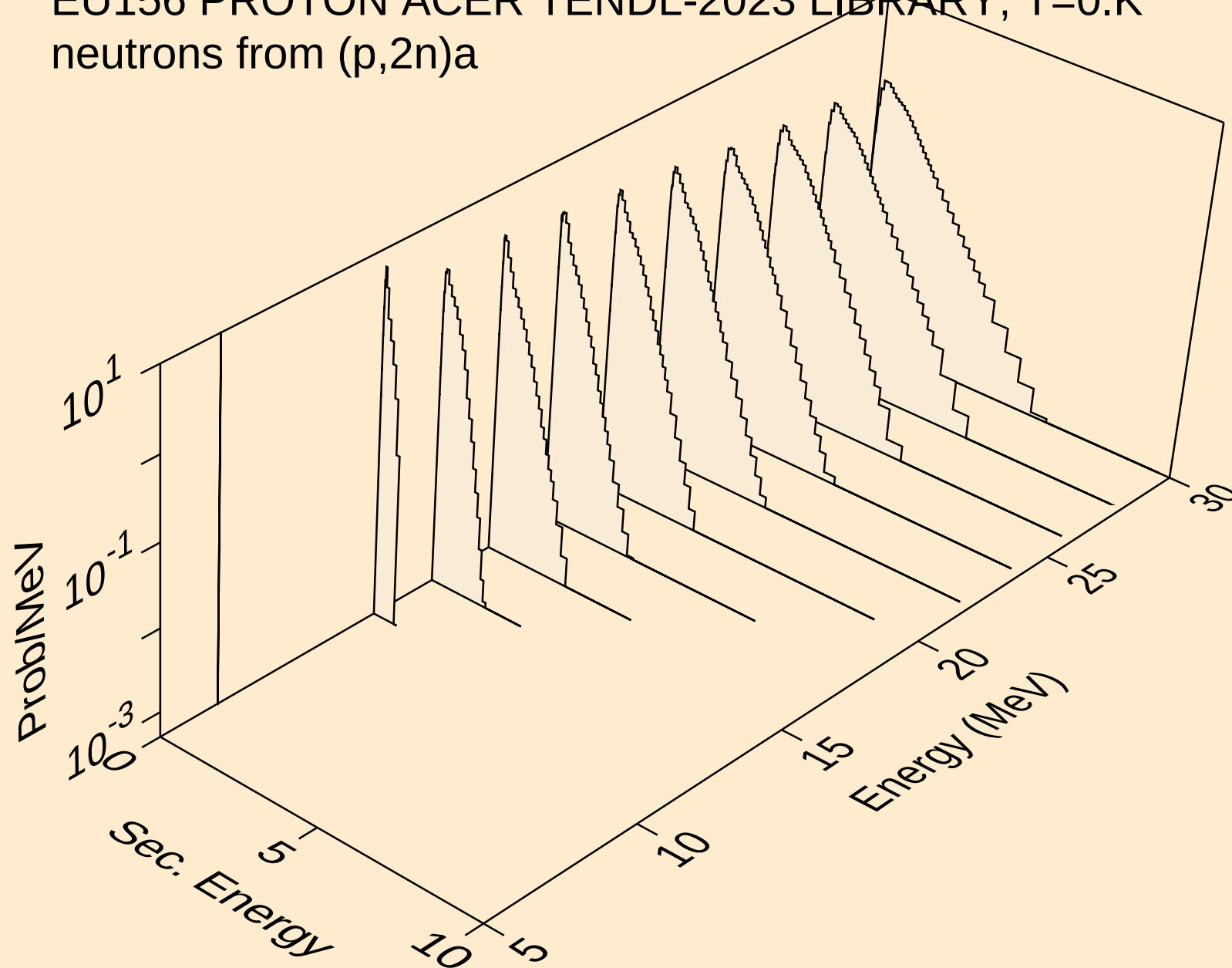
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3n)



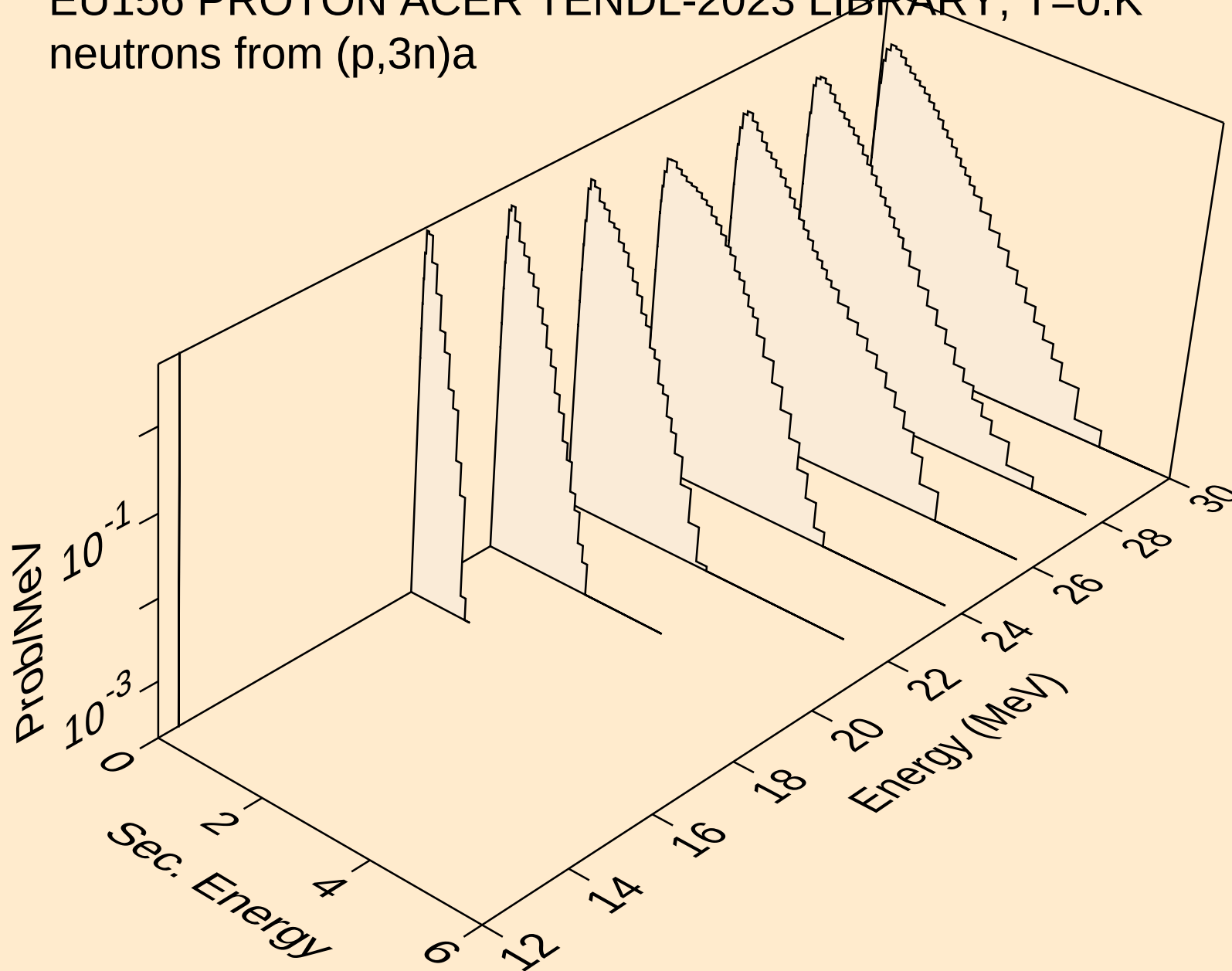
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)a



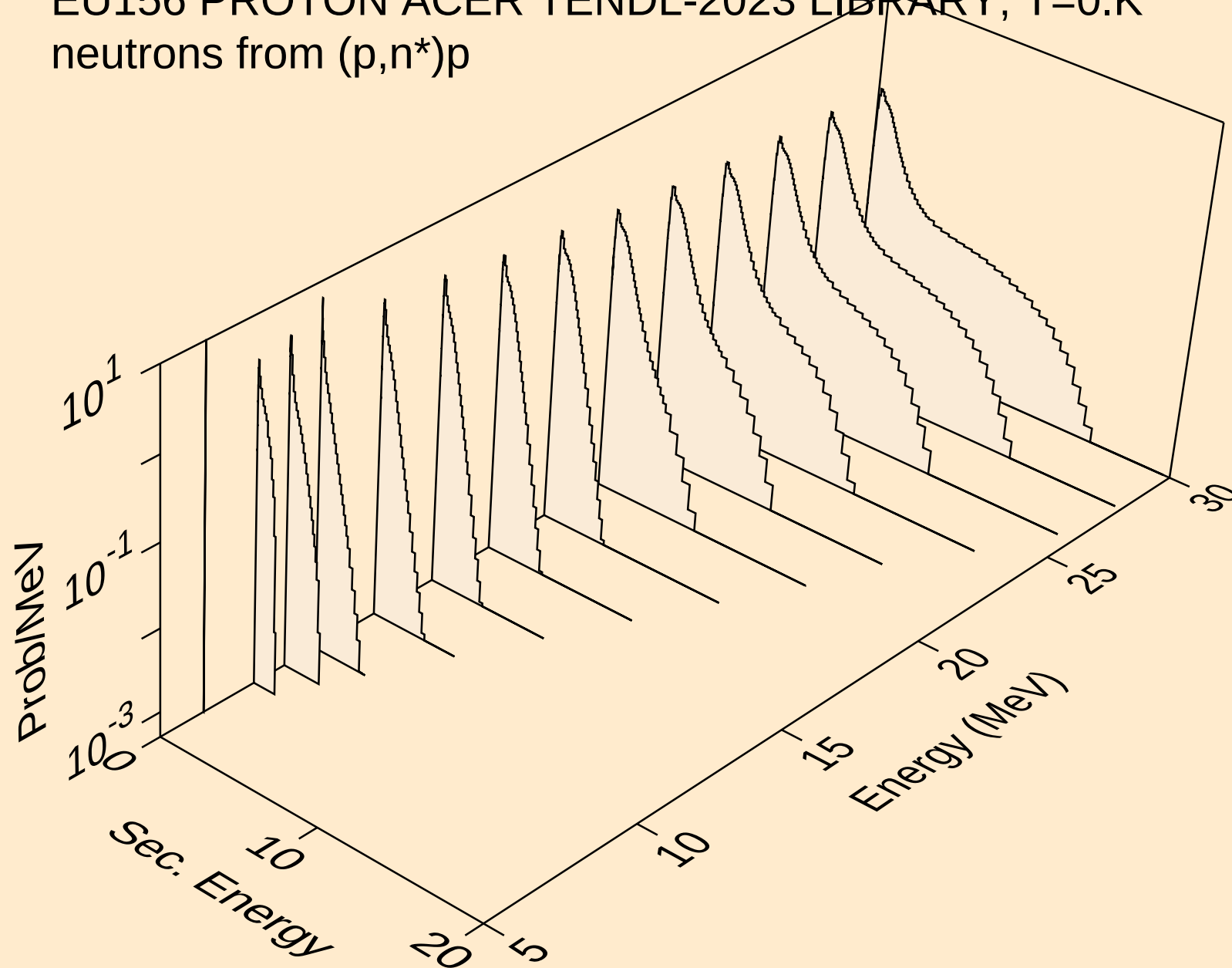
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)a



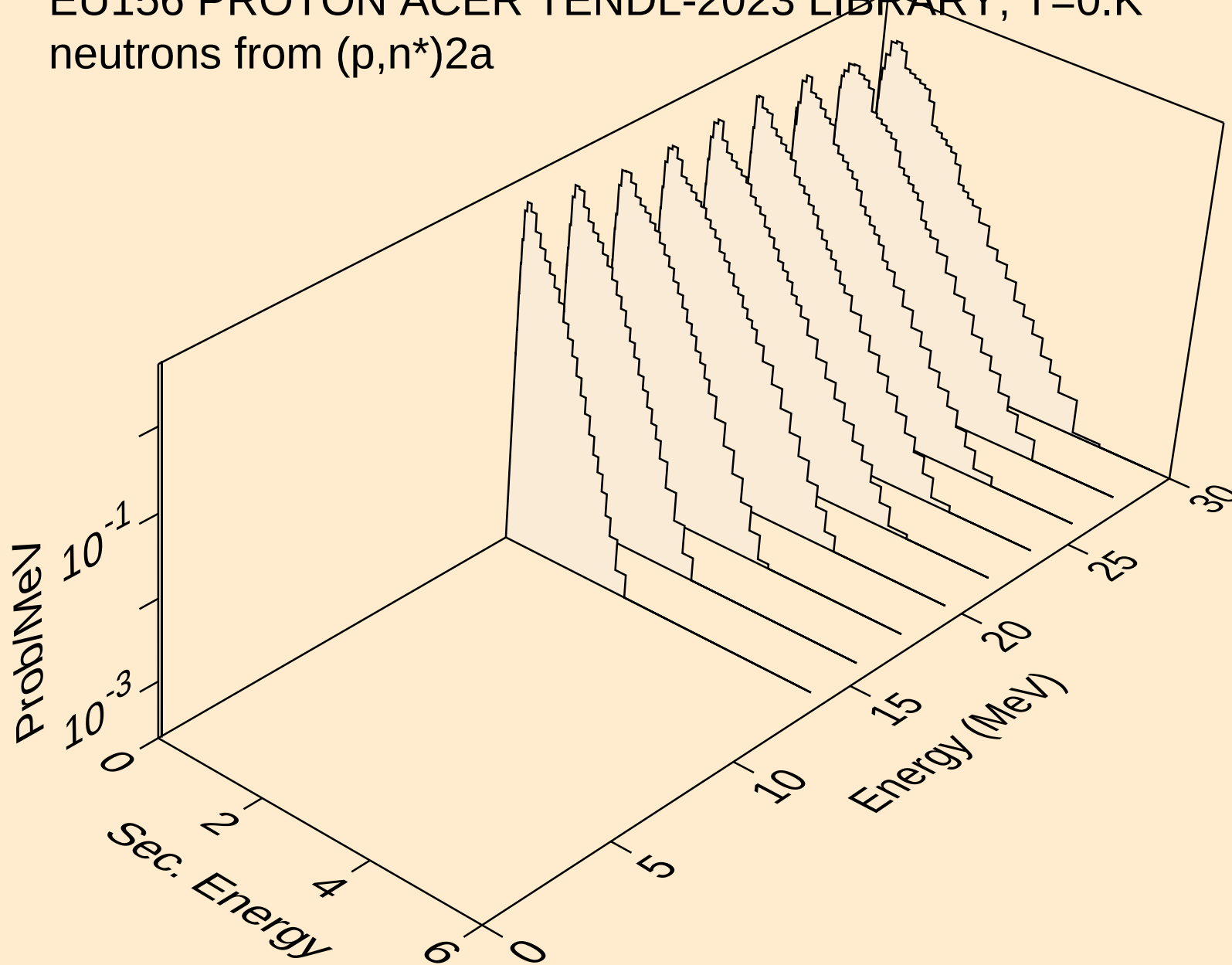
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3n)a



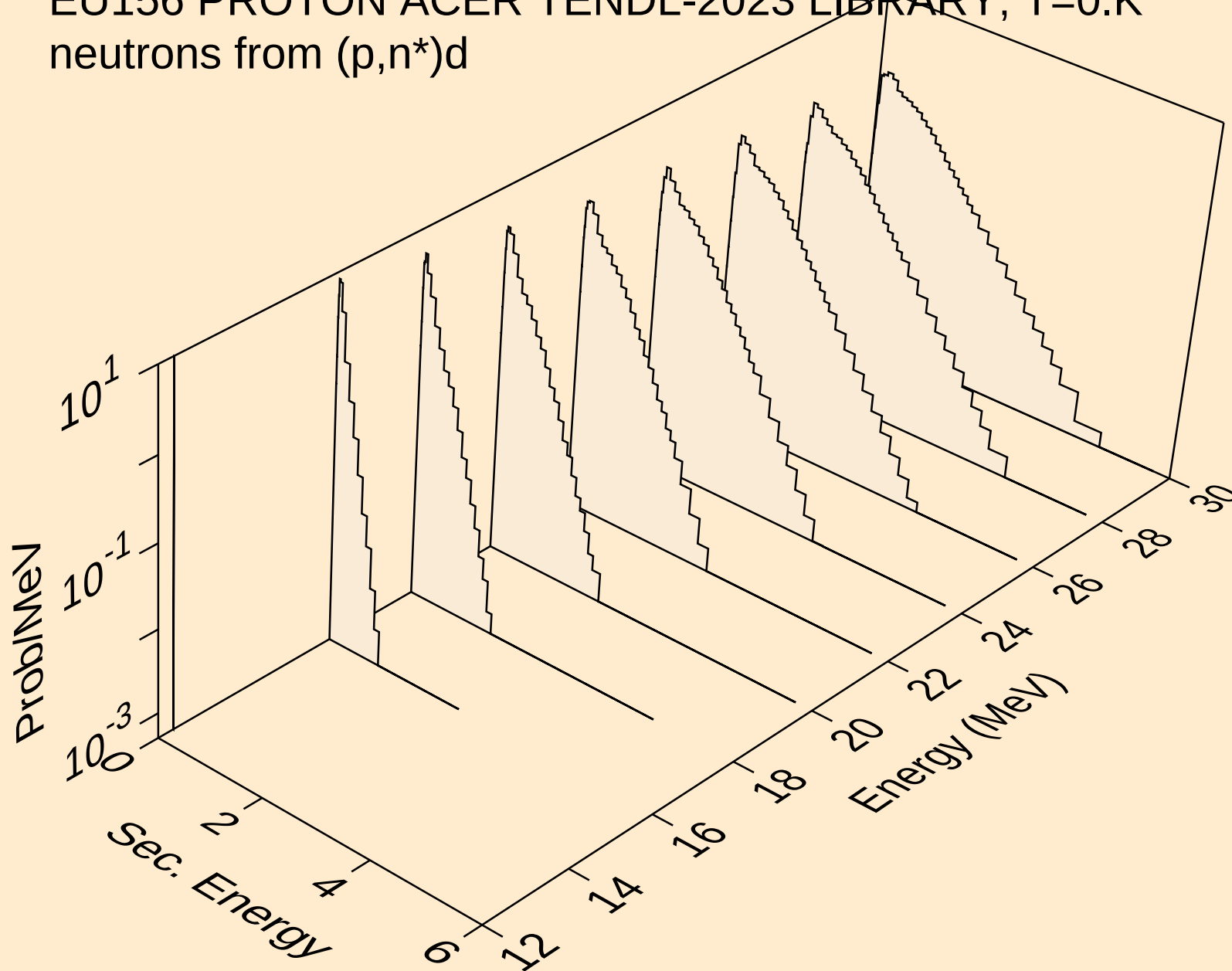
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)p



EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)2a

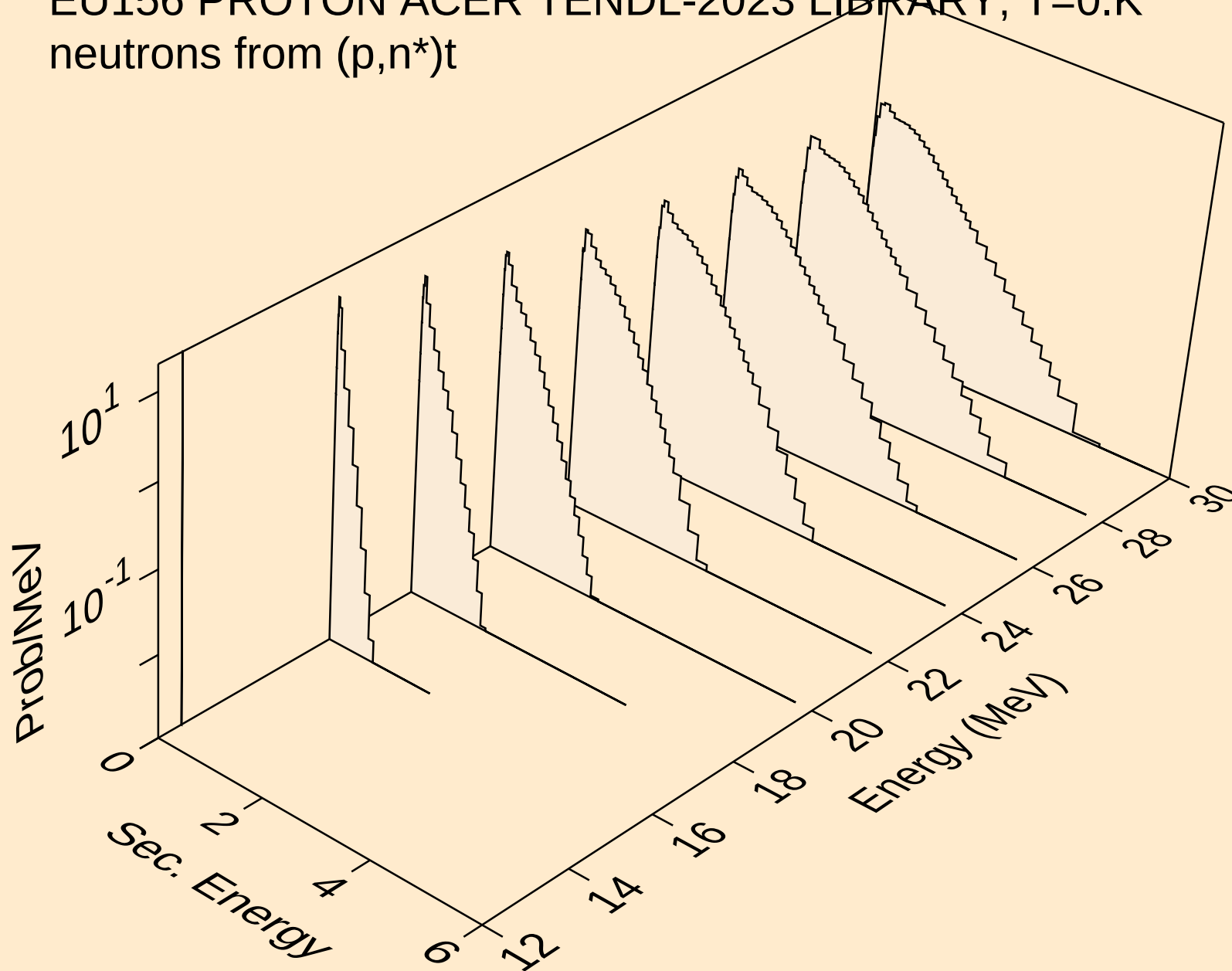


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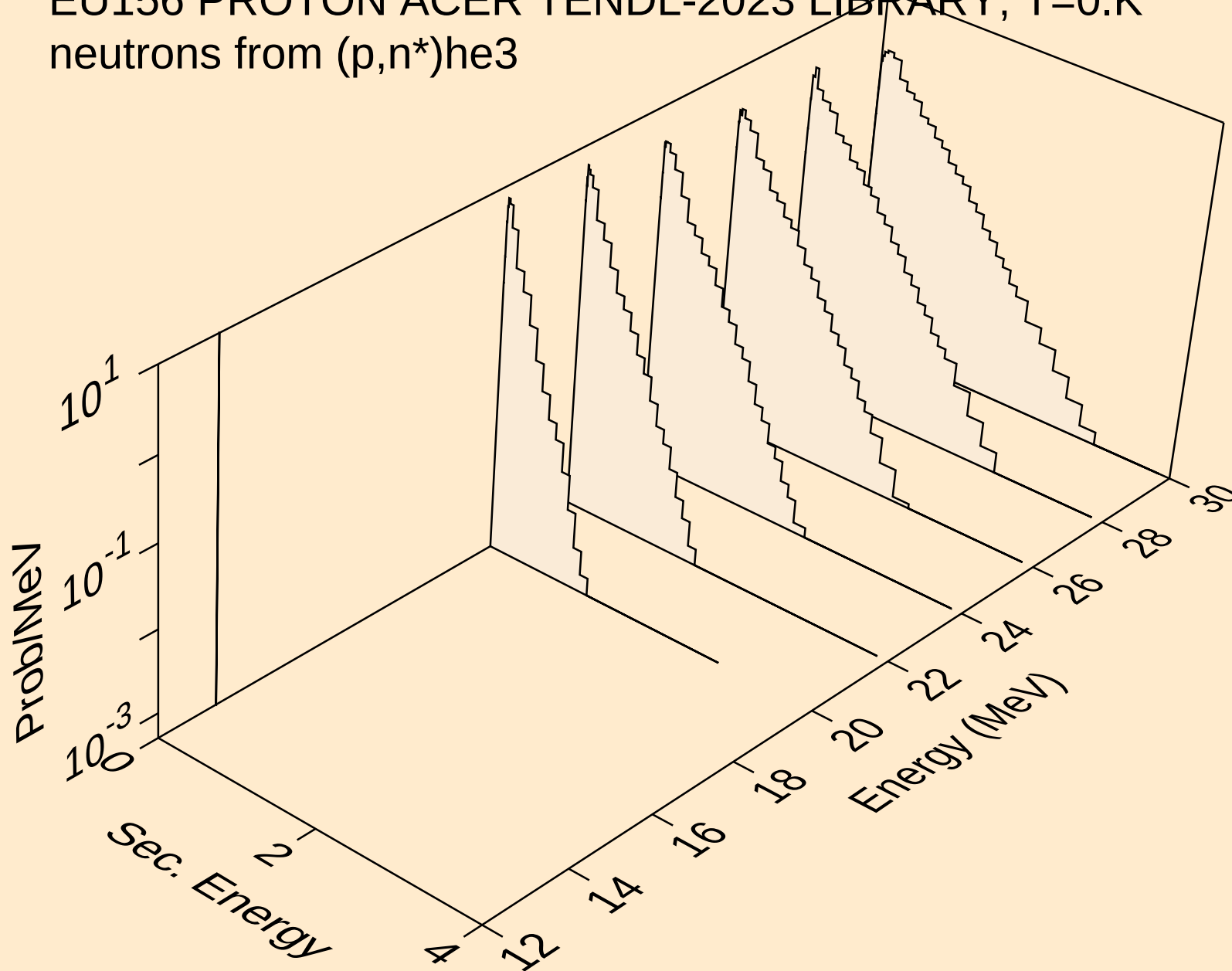




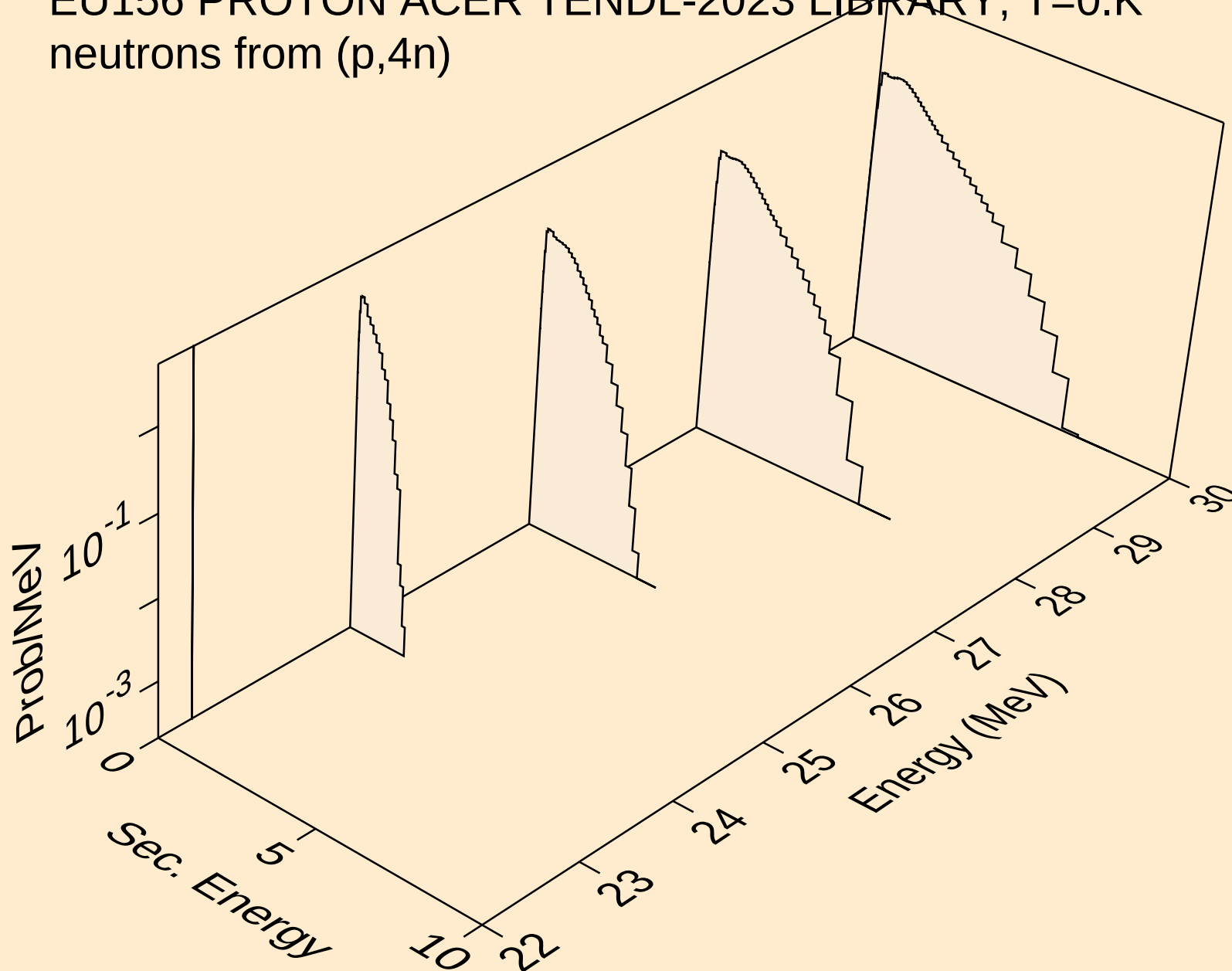
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)t



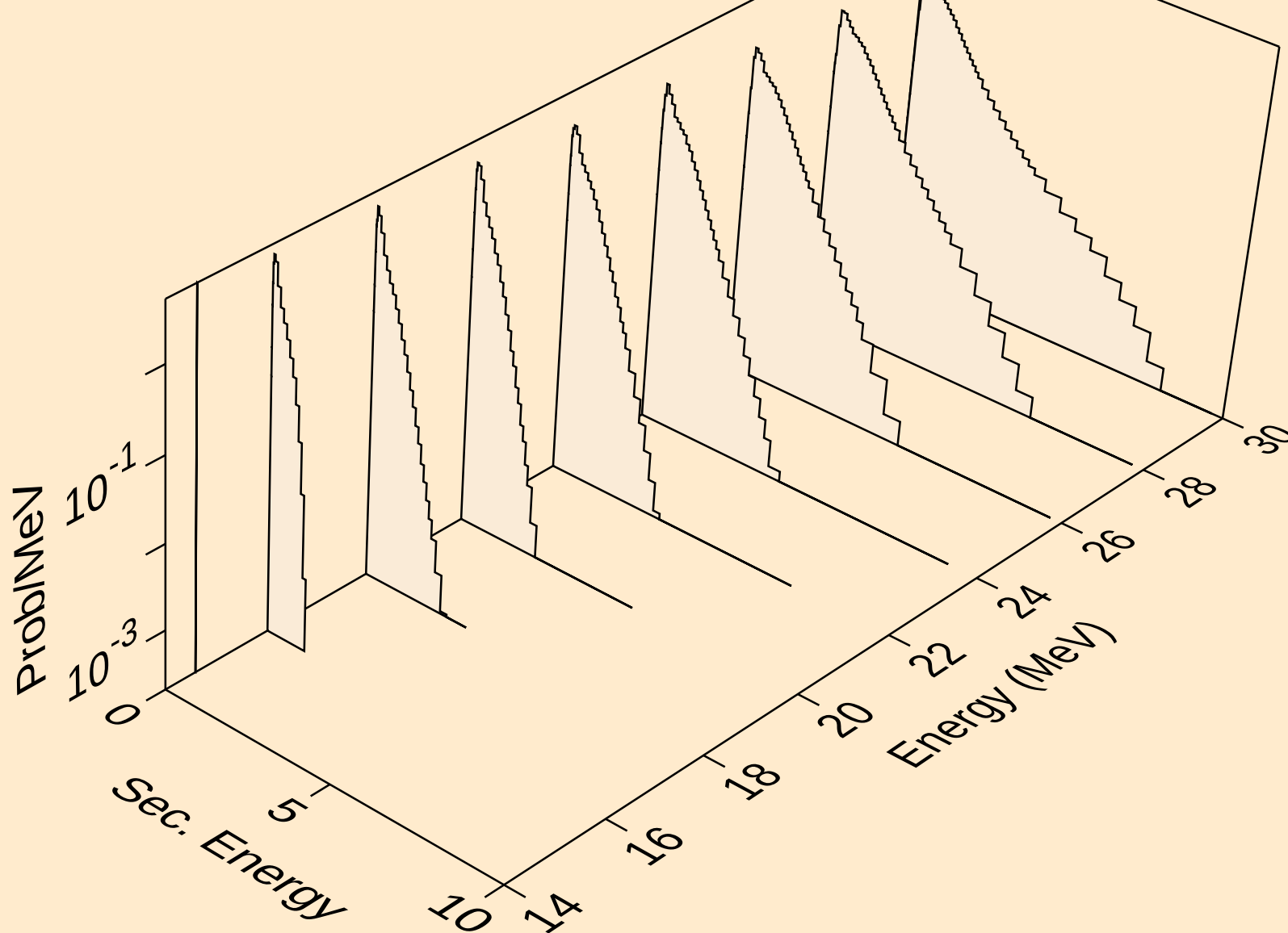
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



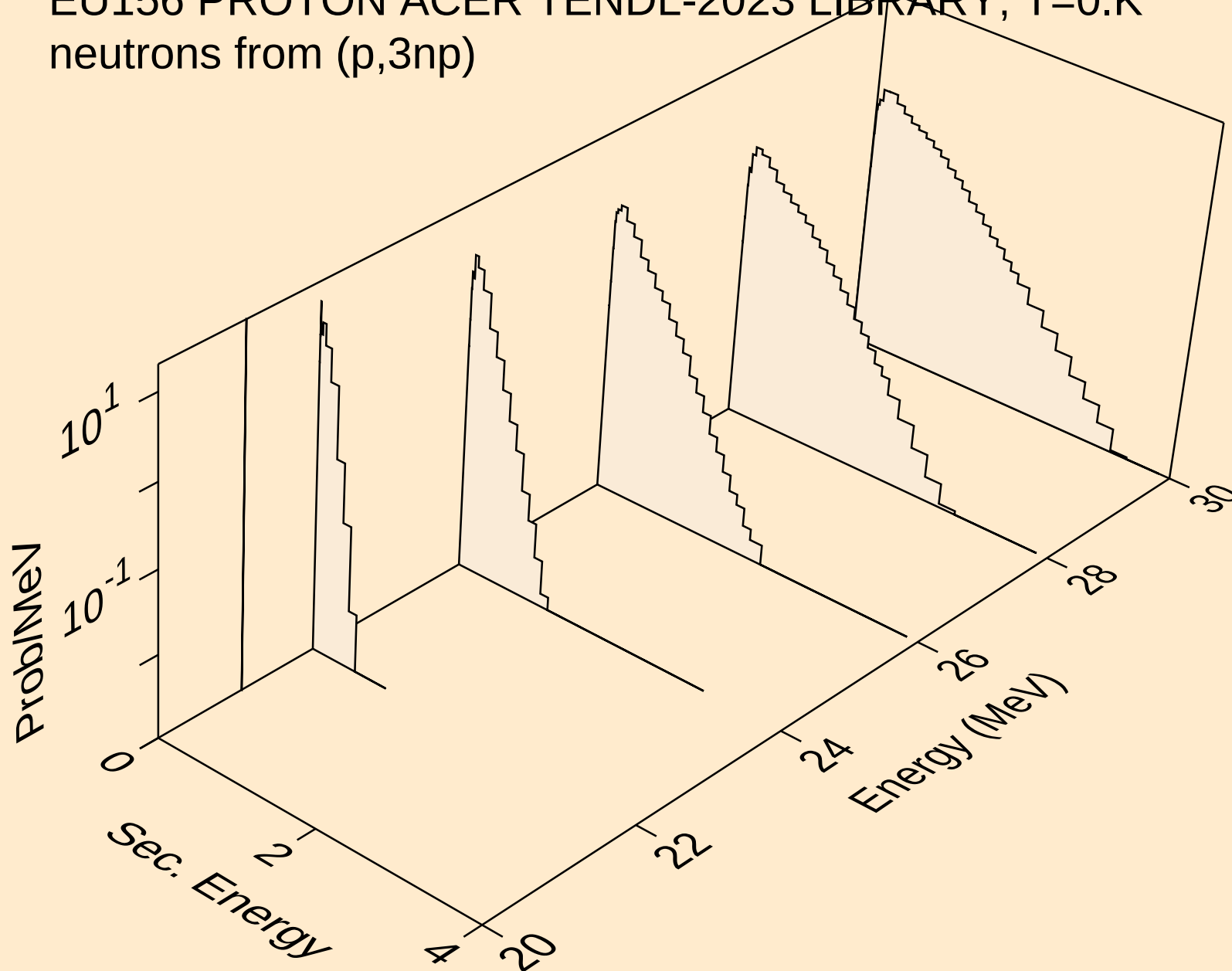
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,4n)



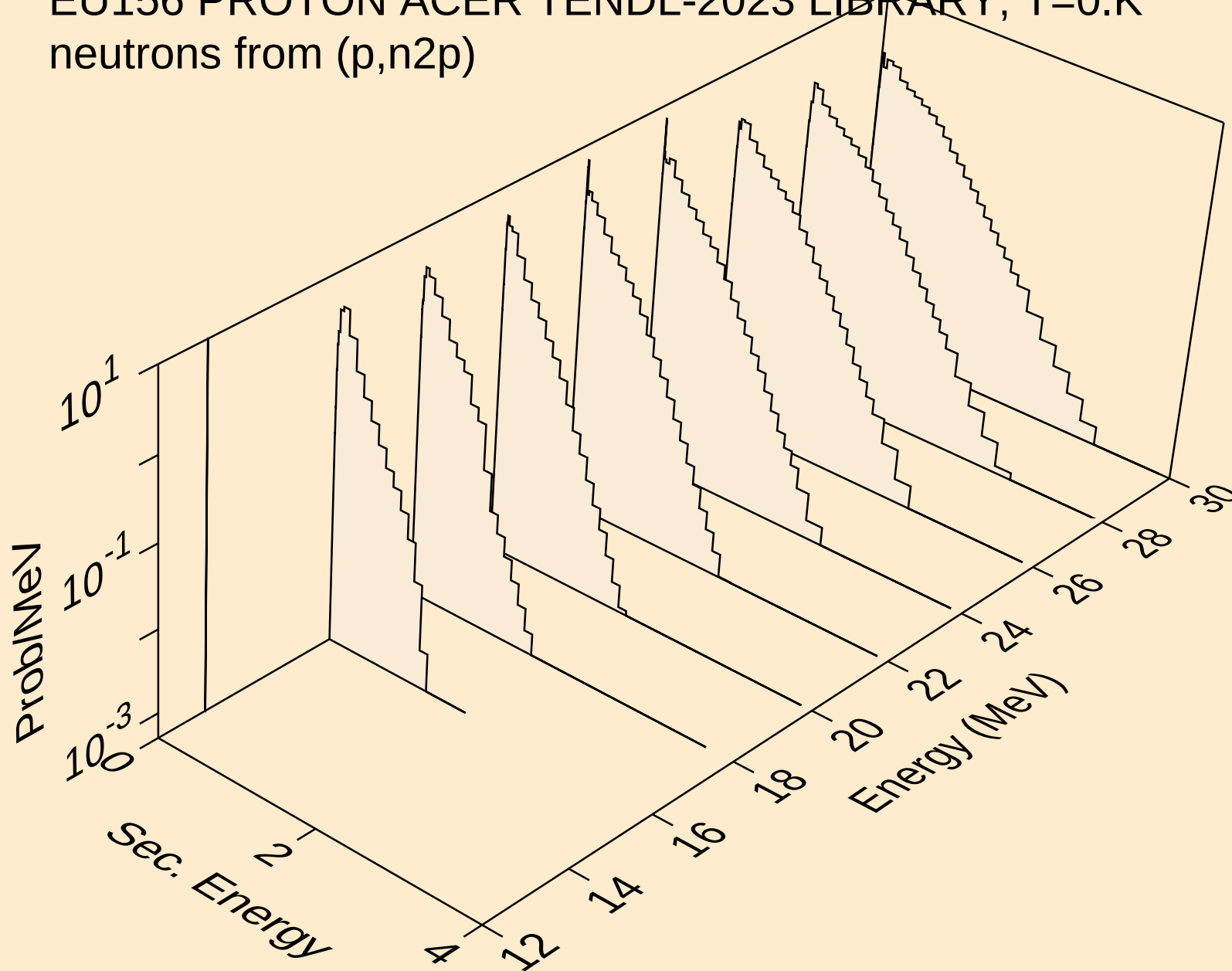
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2np)



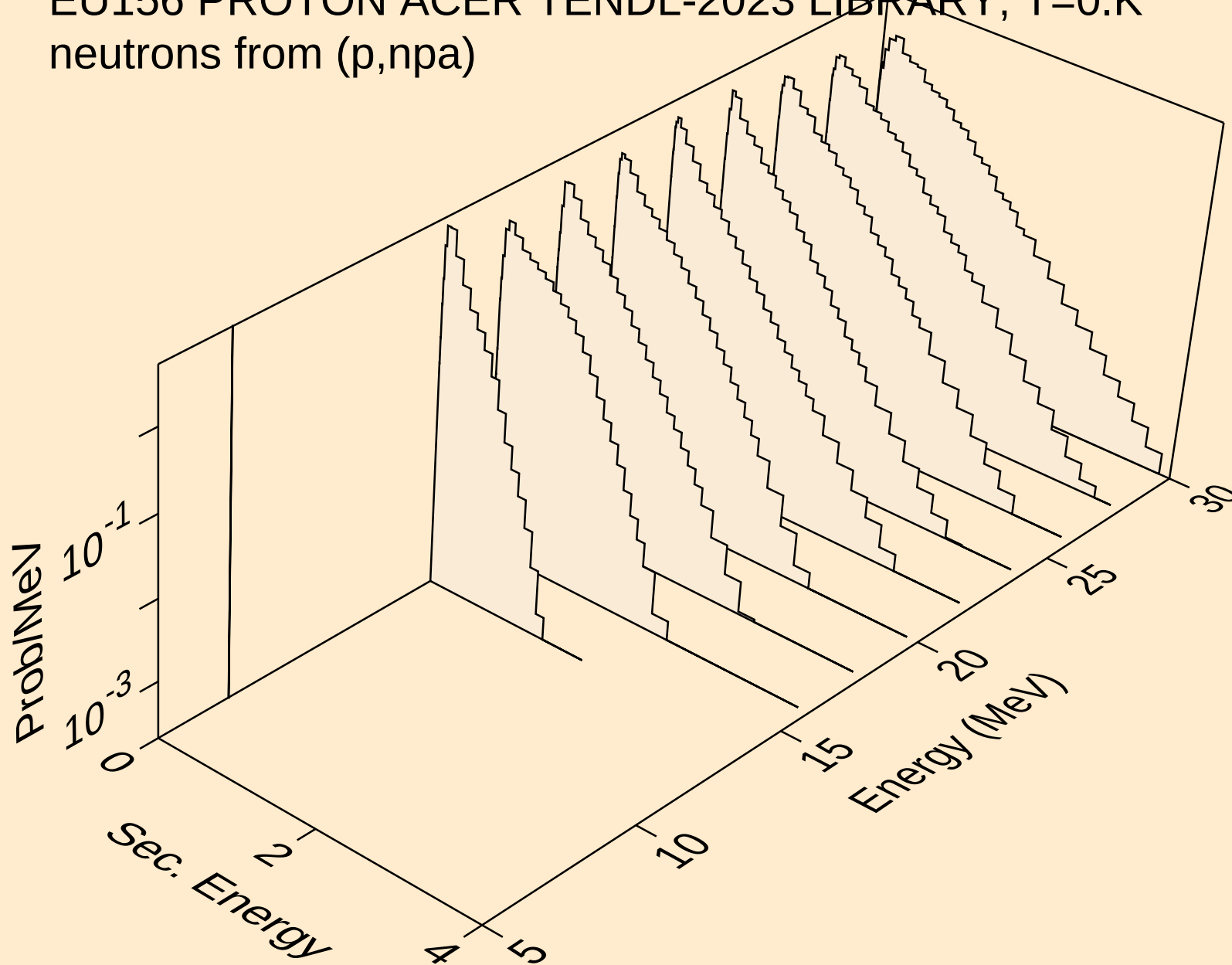
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3np)



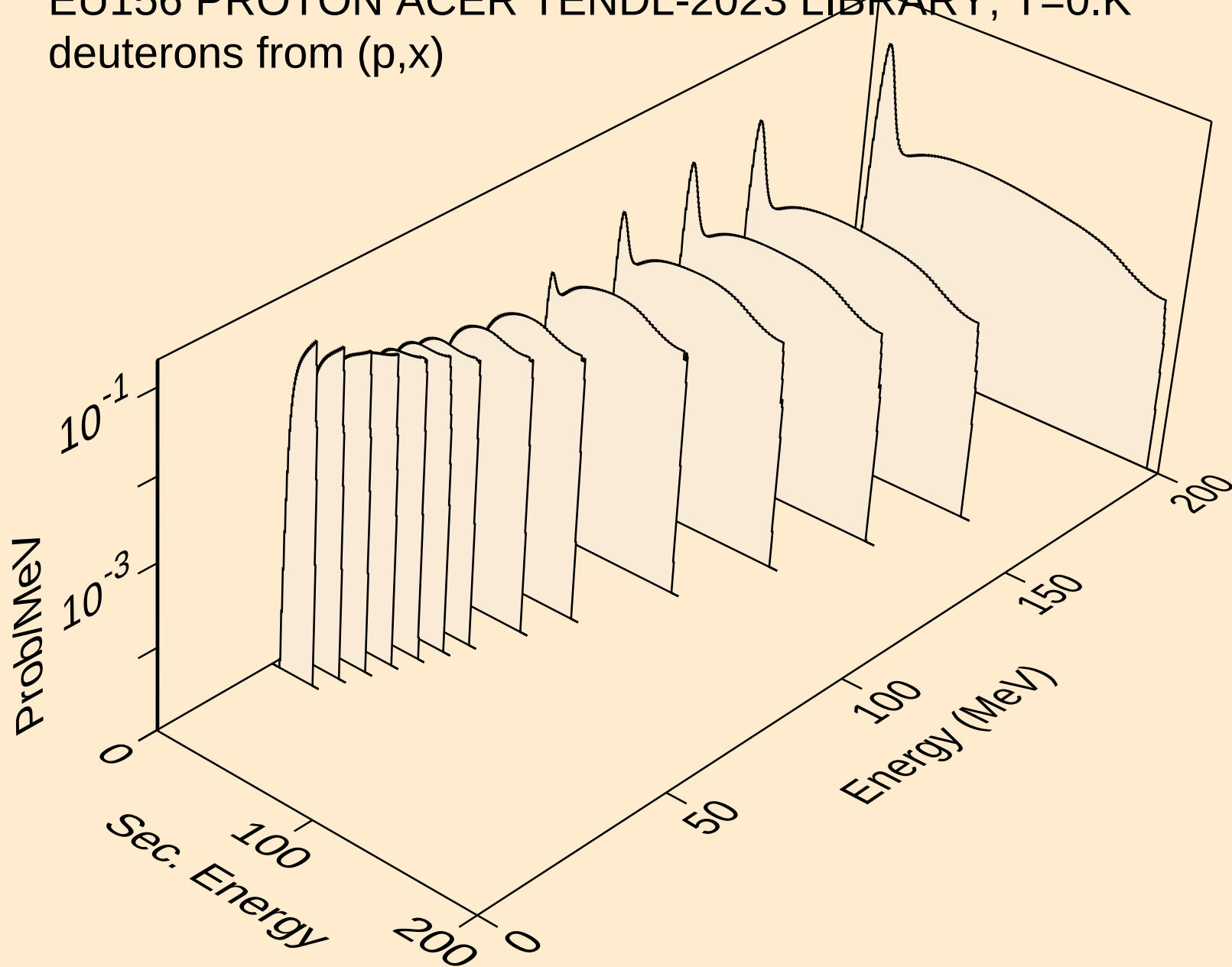
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n2p)



EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,npa)

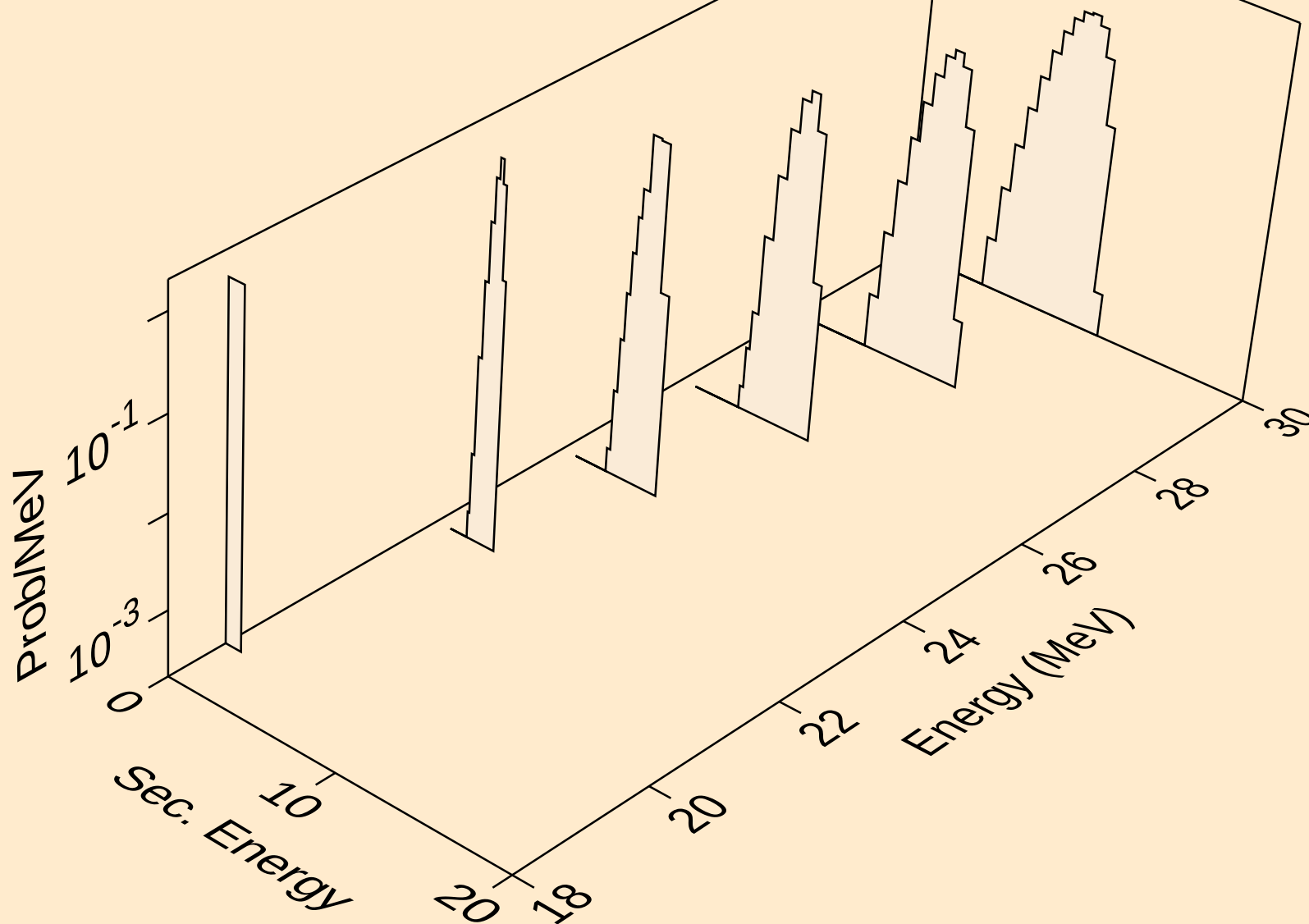


EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,x)

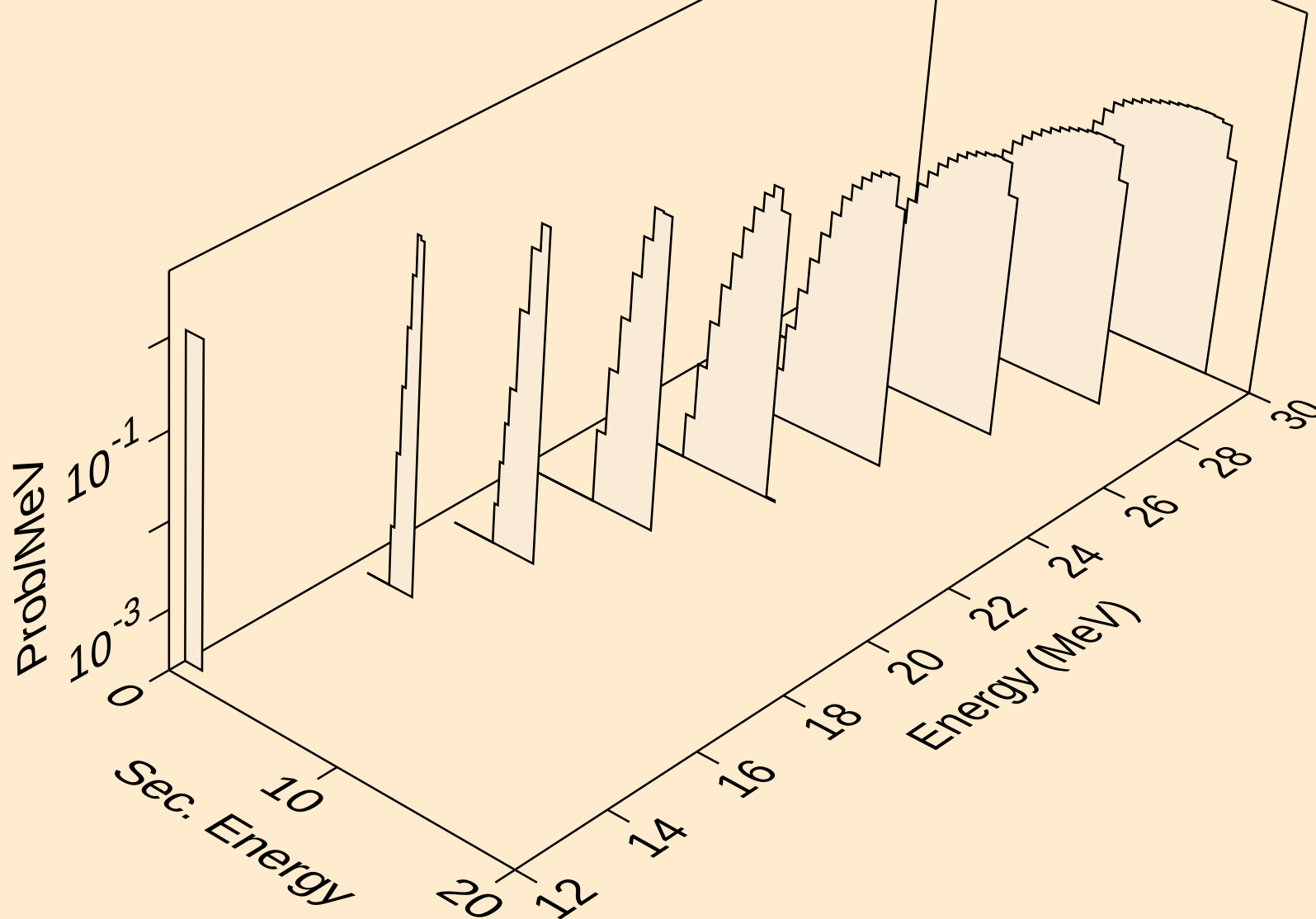




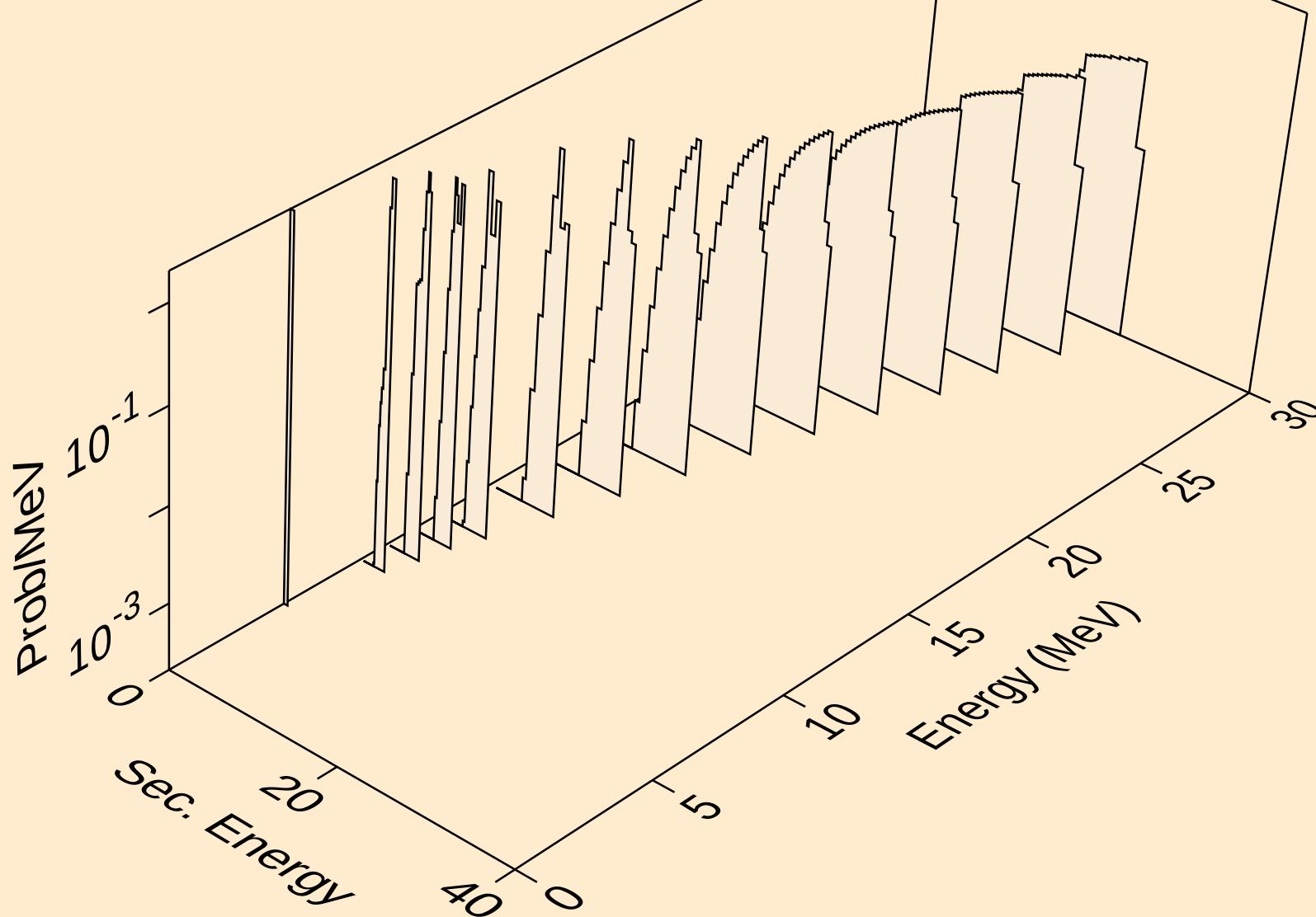
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deuterons from (p,2nd)



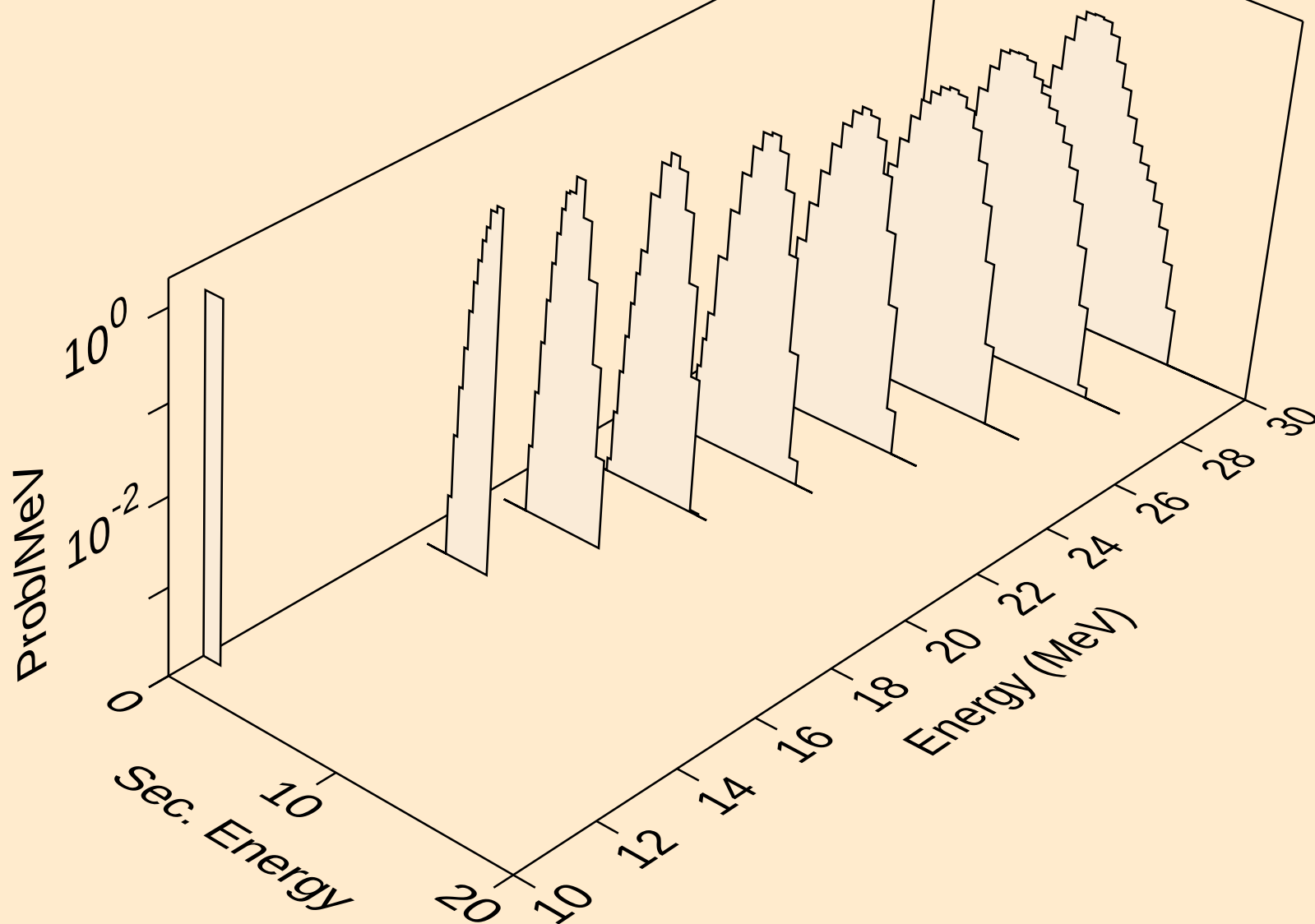
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,n\*)d



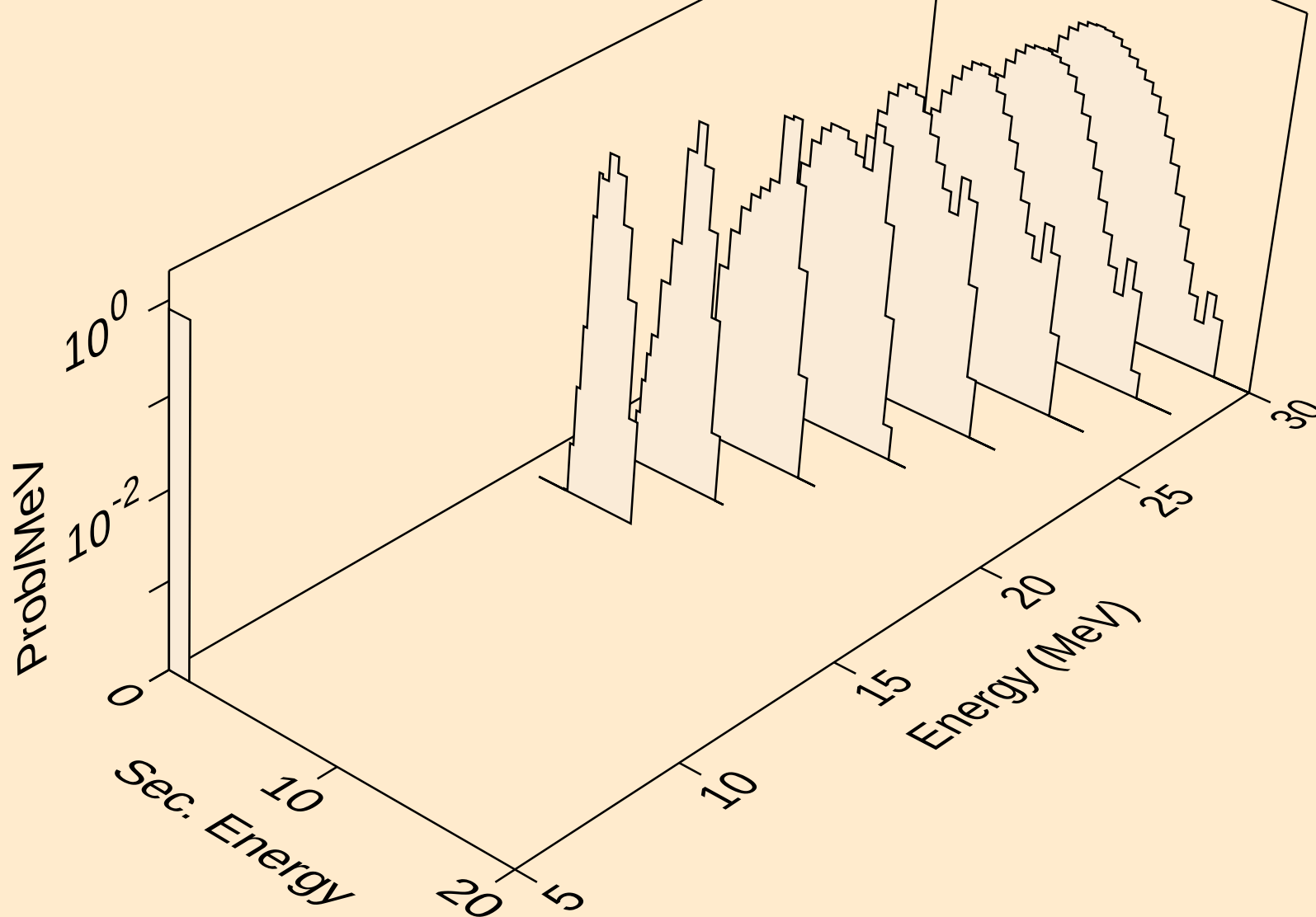
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deuterons from (p,d)



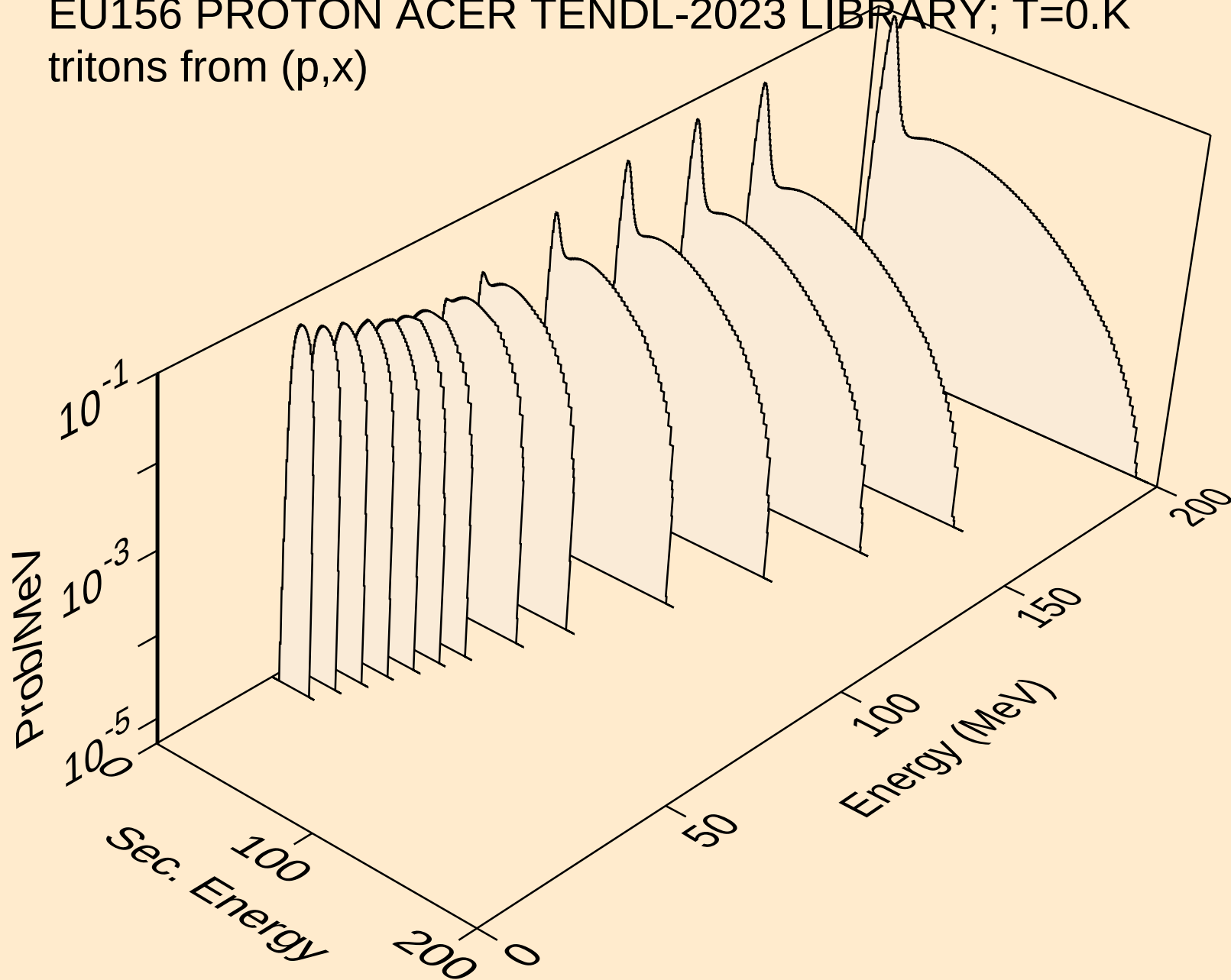
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deuterons from (p,pd)



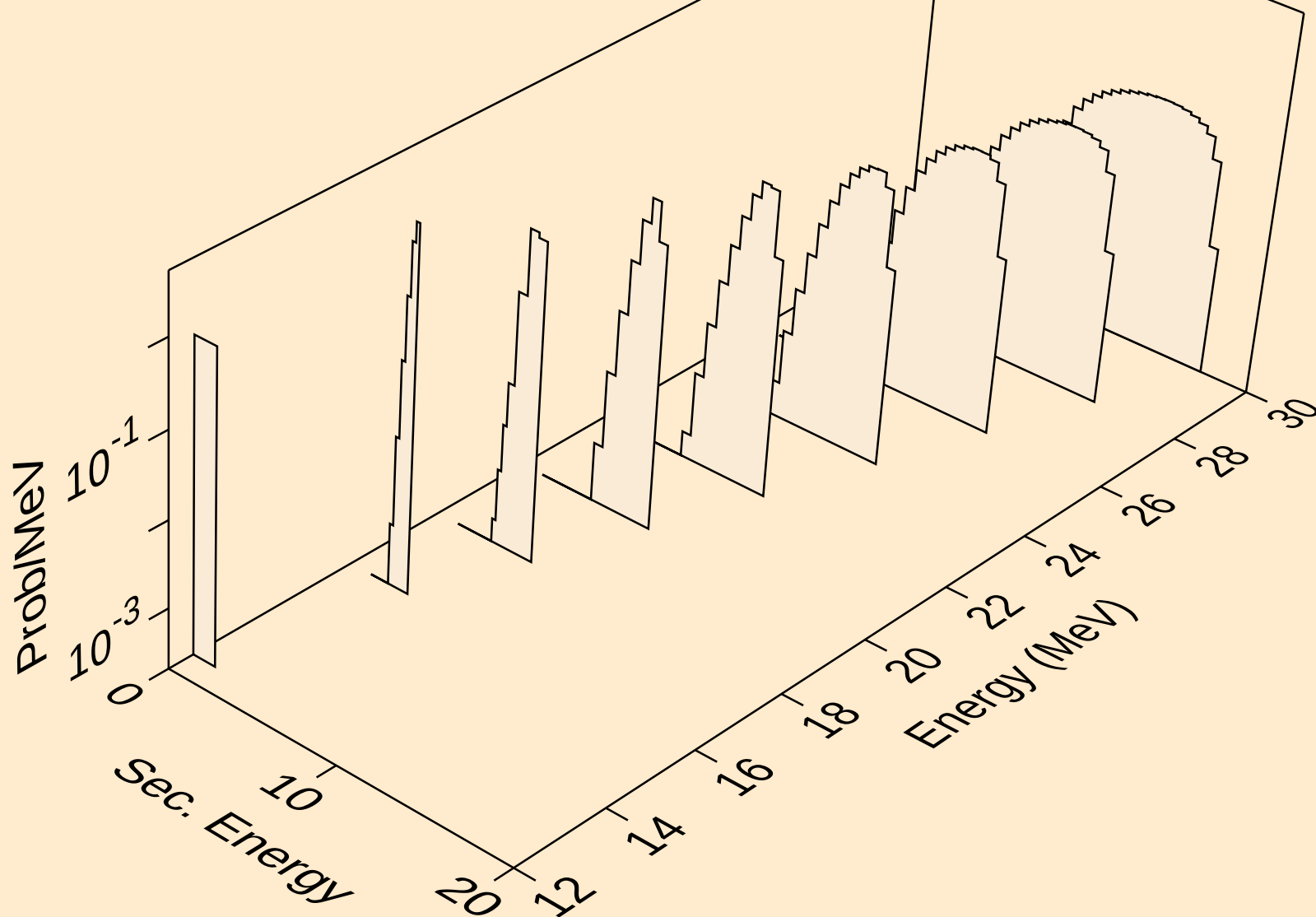
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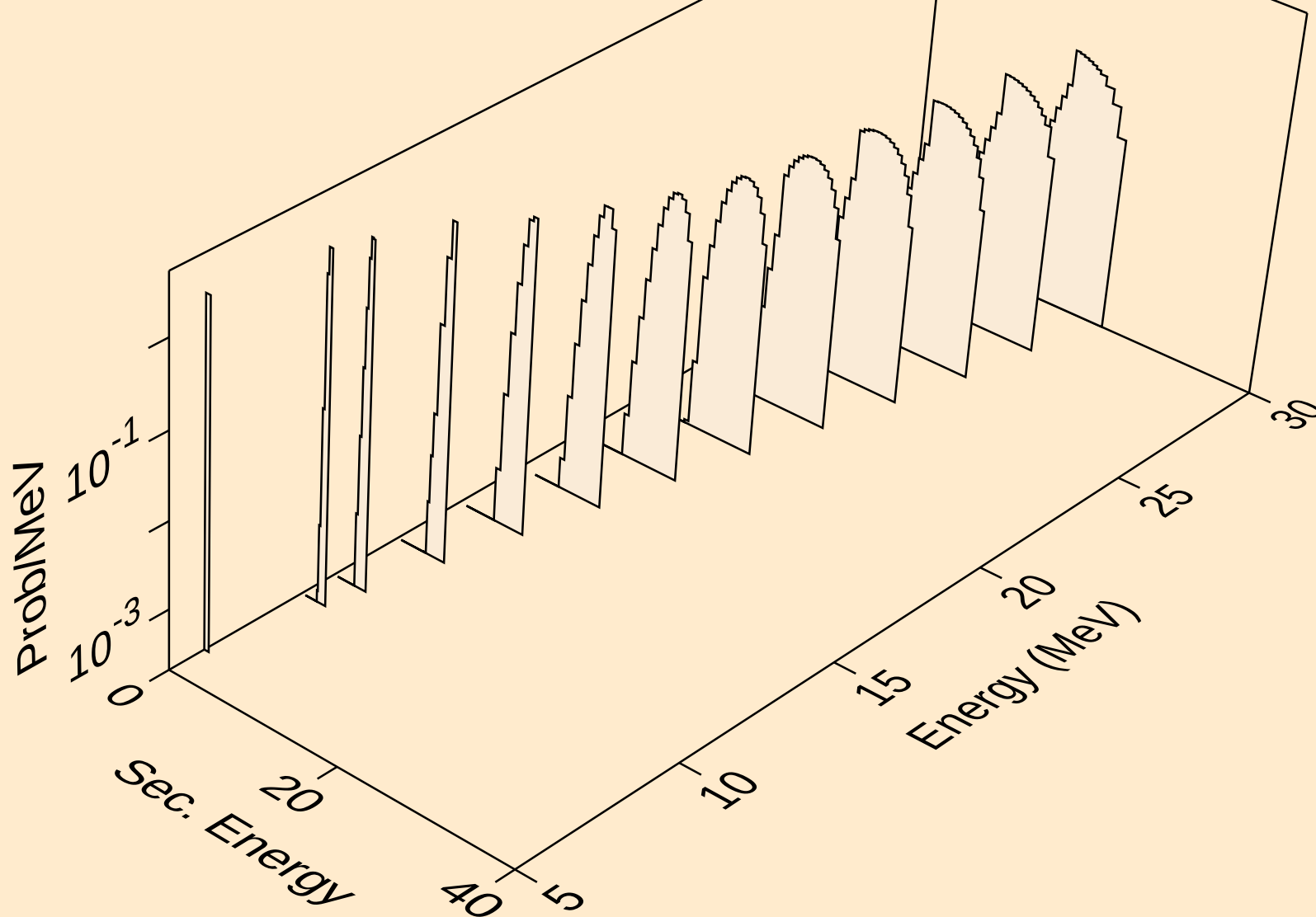
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,x)



EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,n\*)t

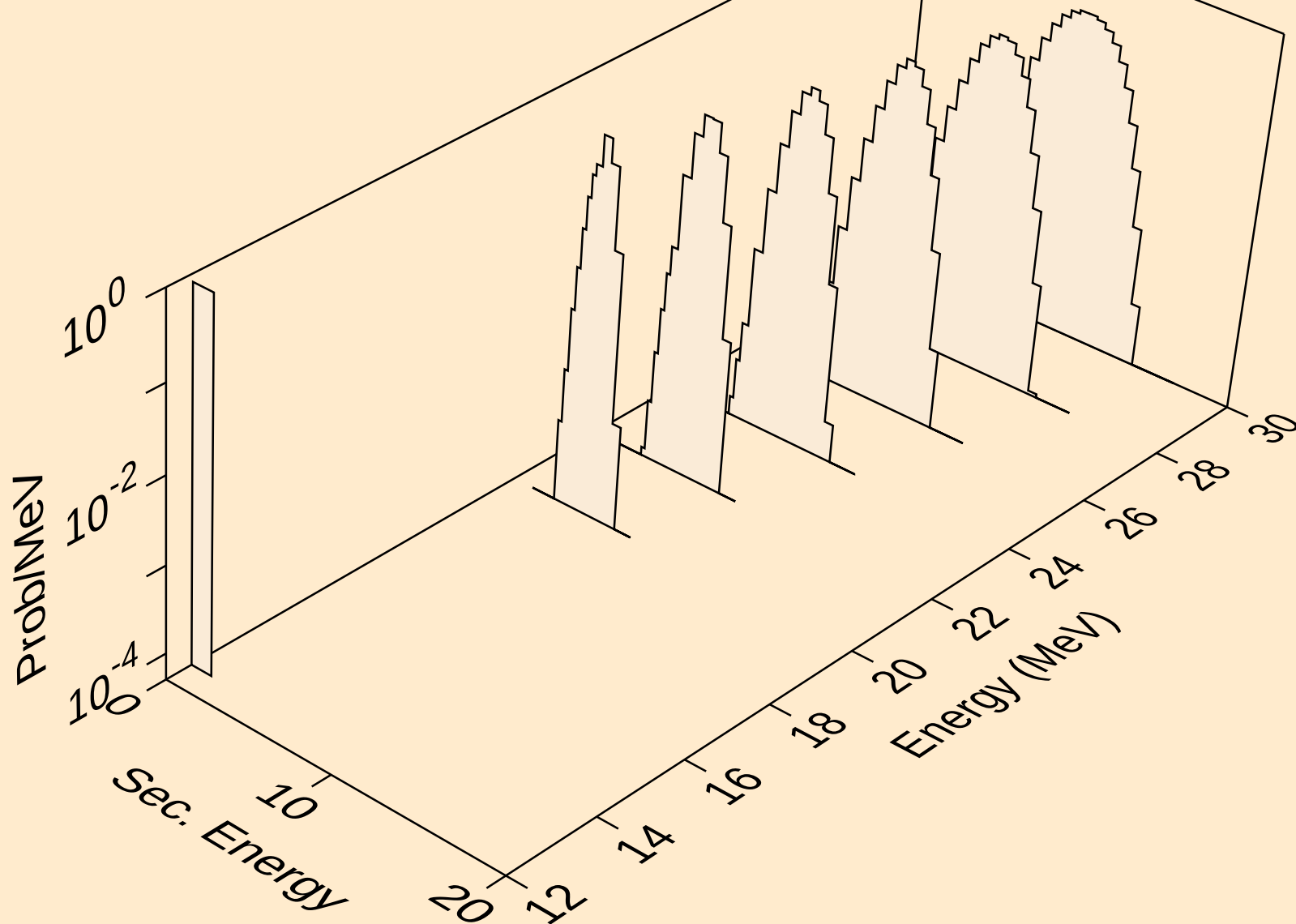


EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,t)

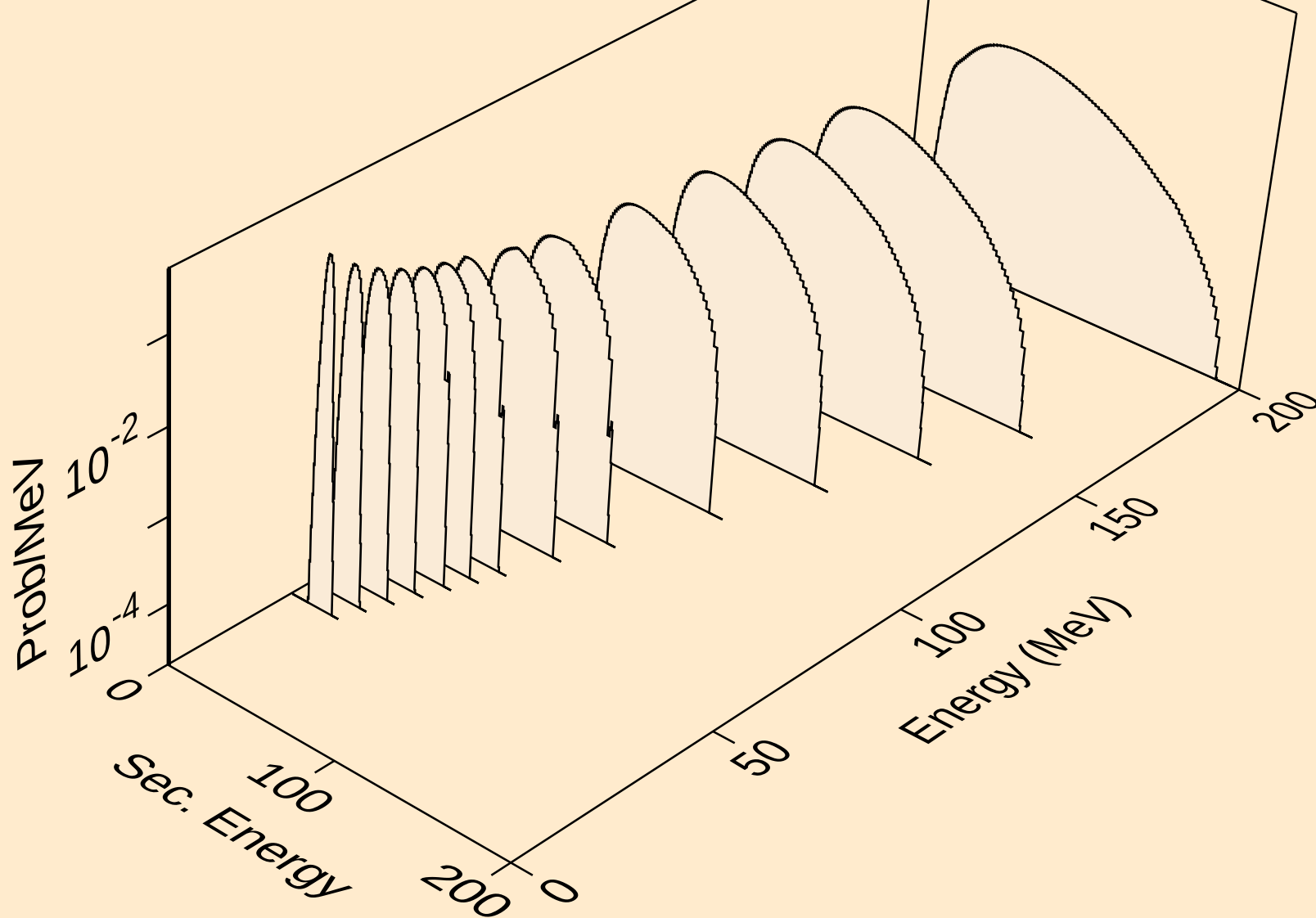




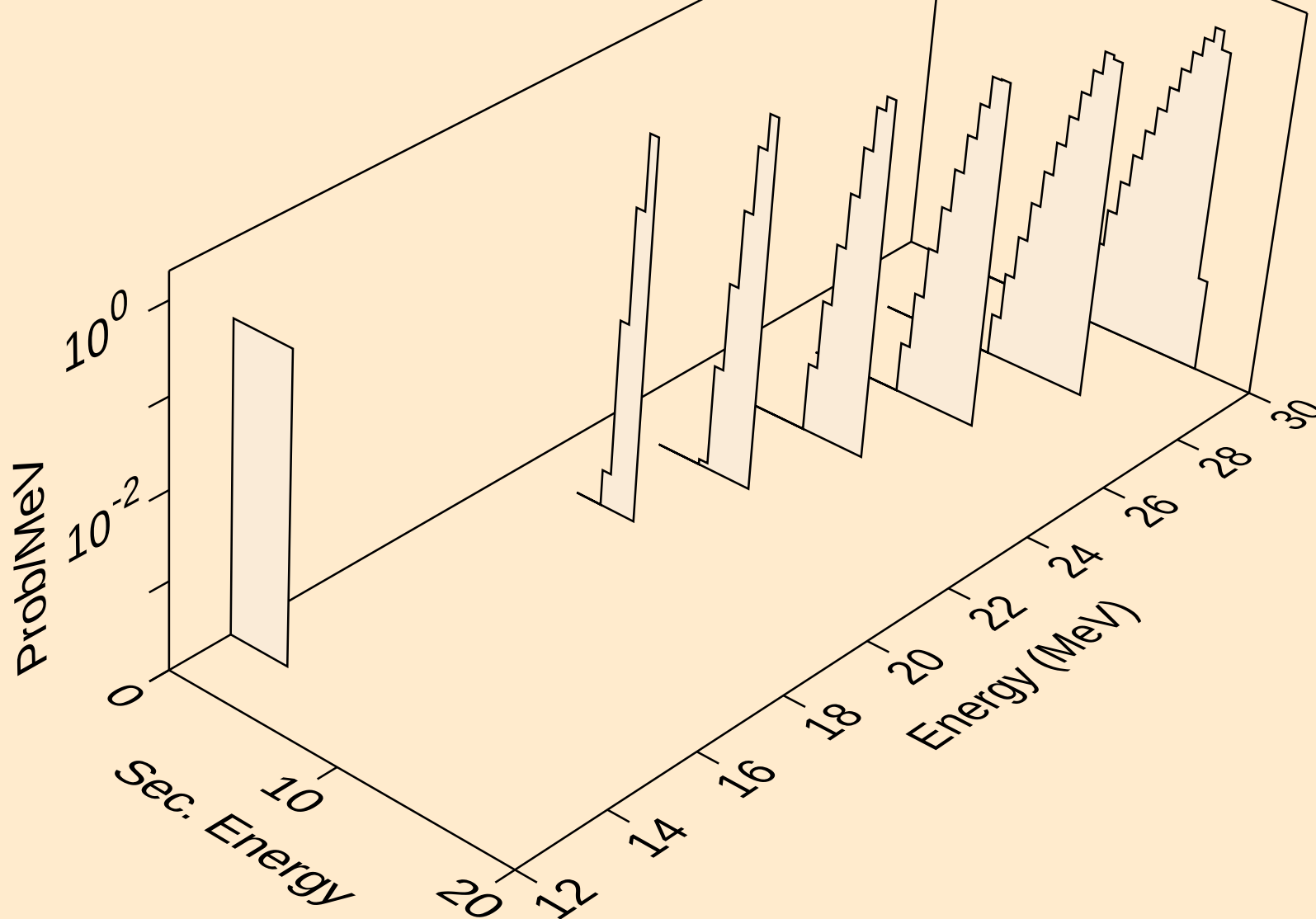
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tritons from (p,pt)



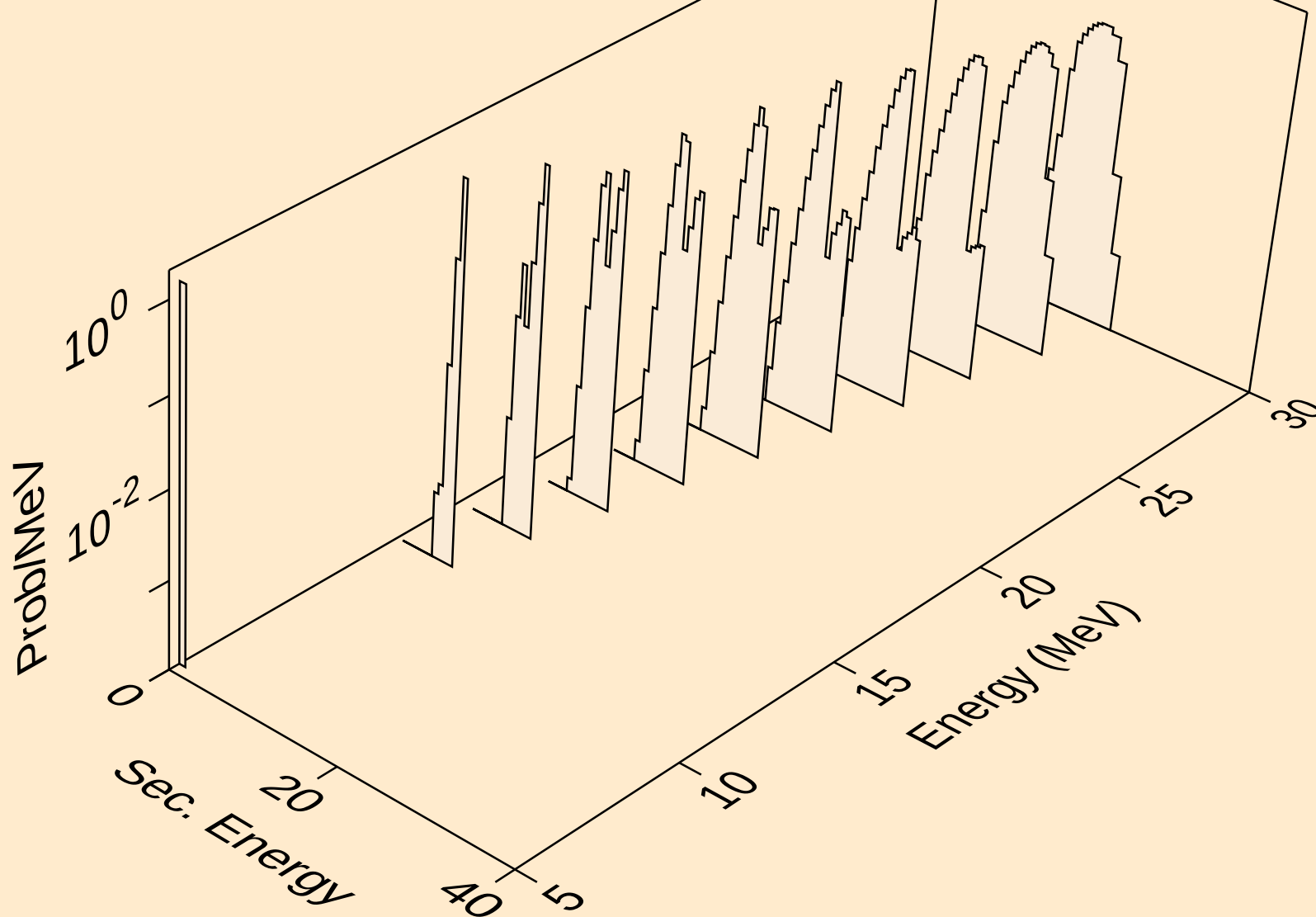
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he3s from (p,x)



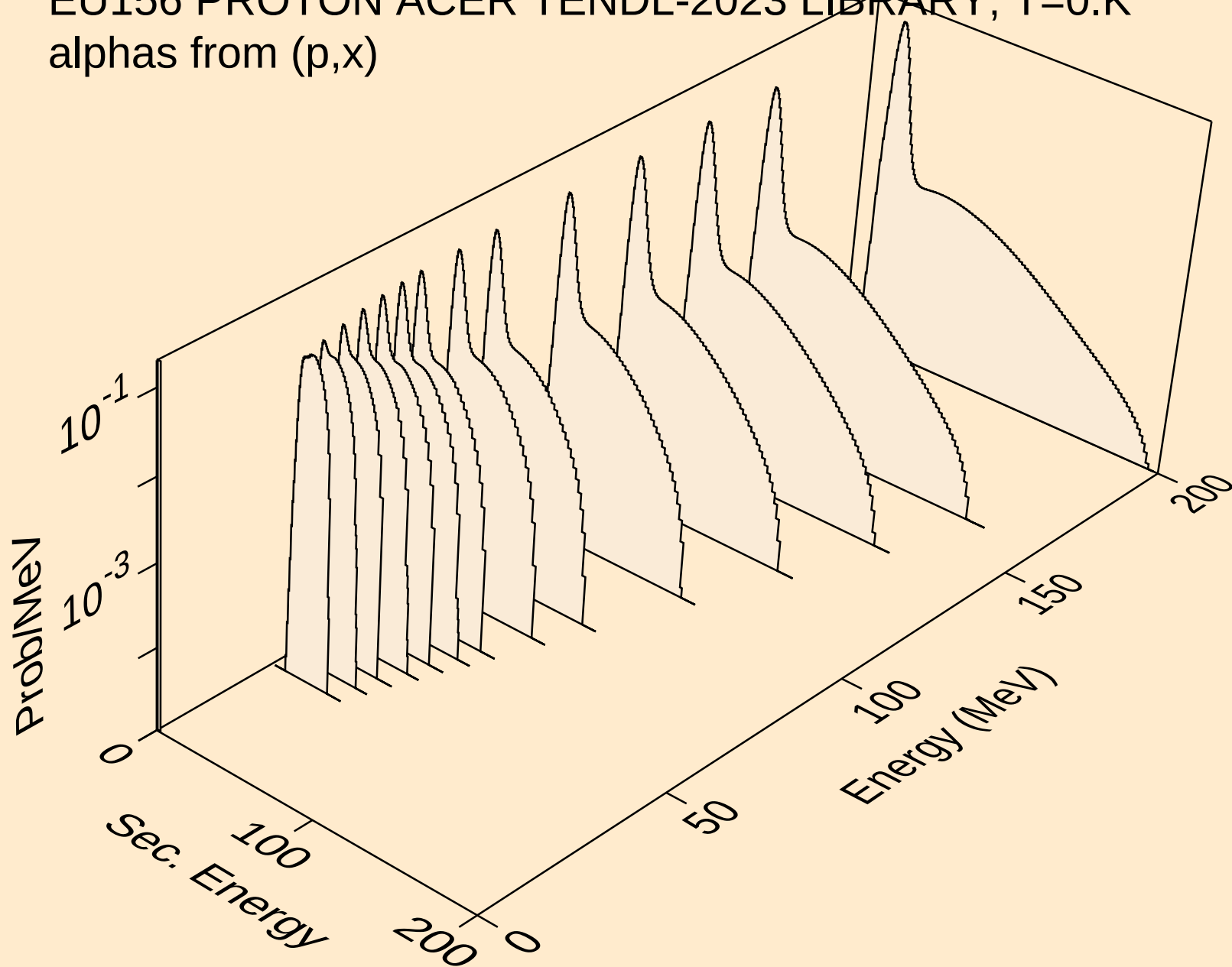
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he3s from (p,n\*)he3



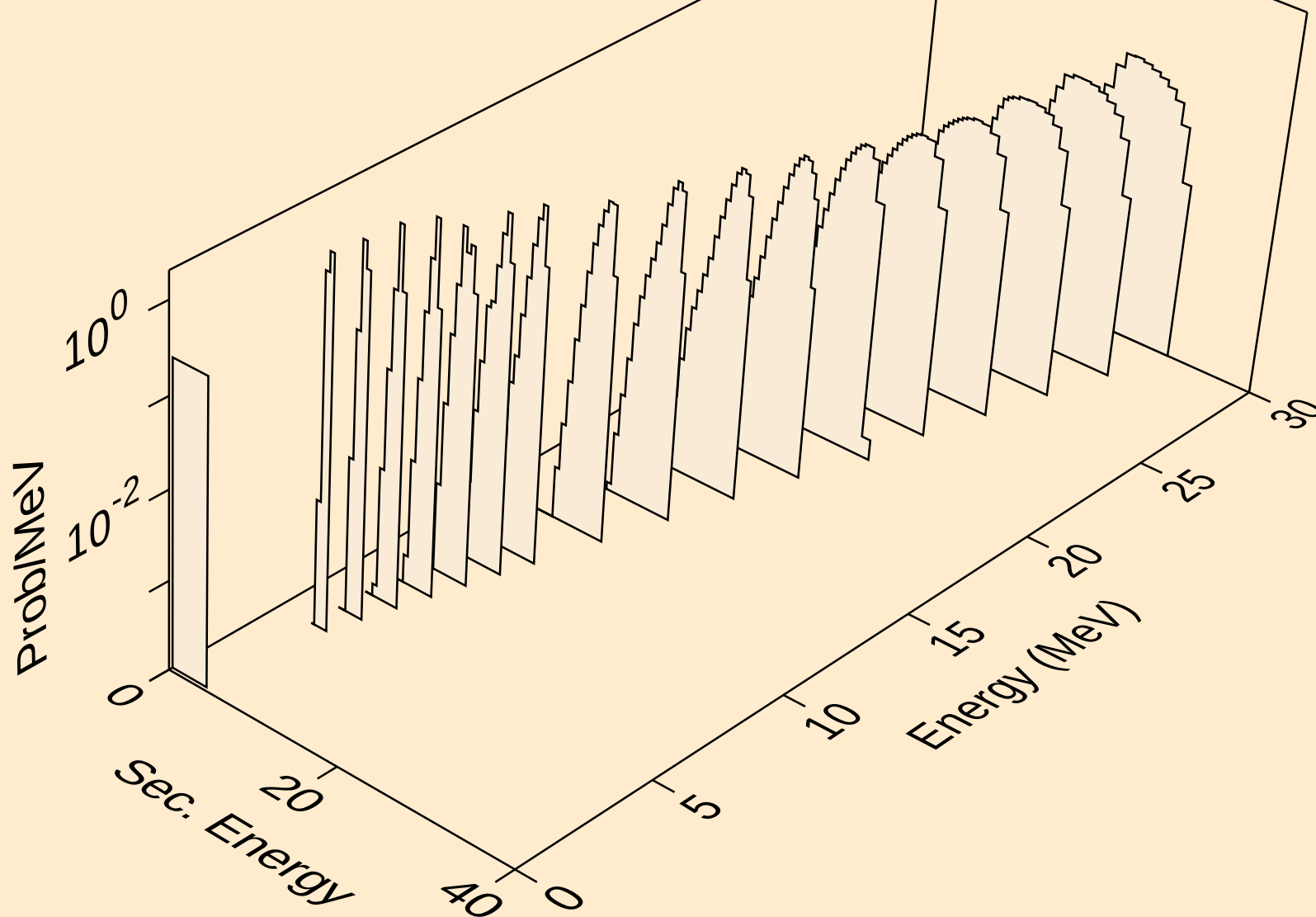
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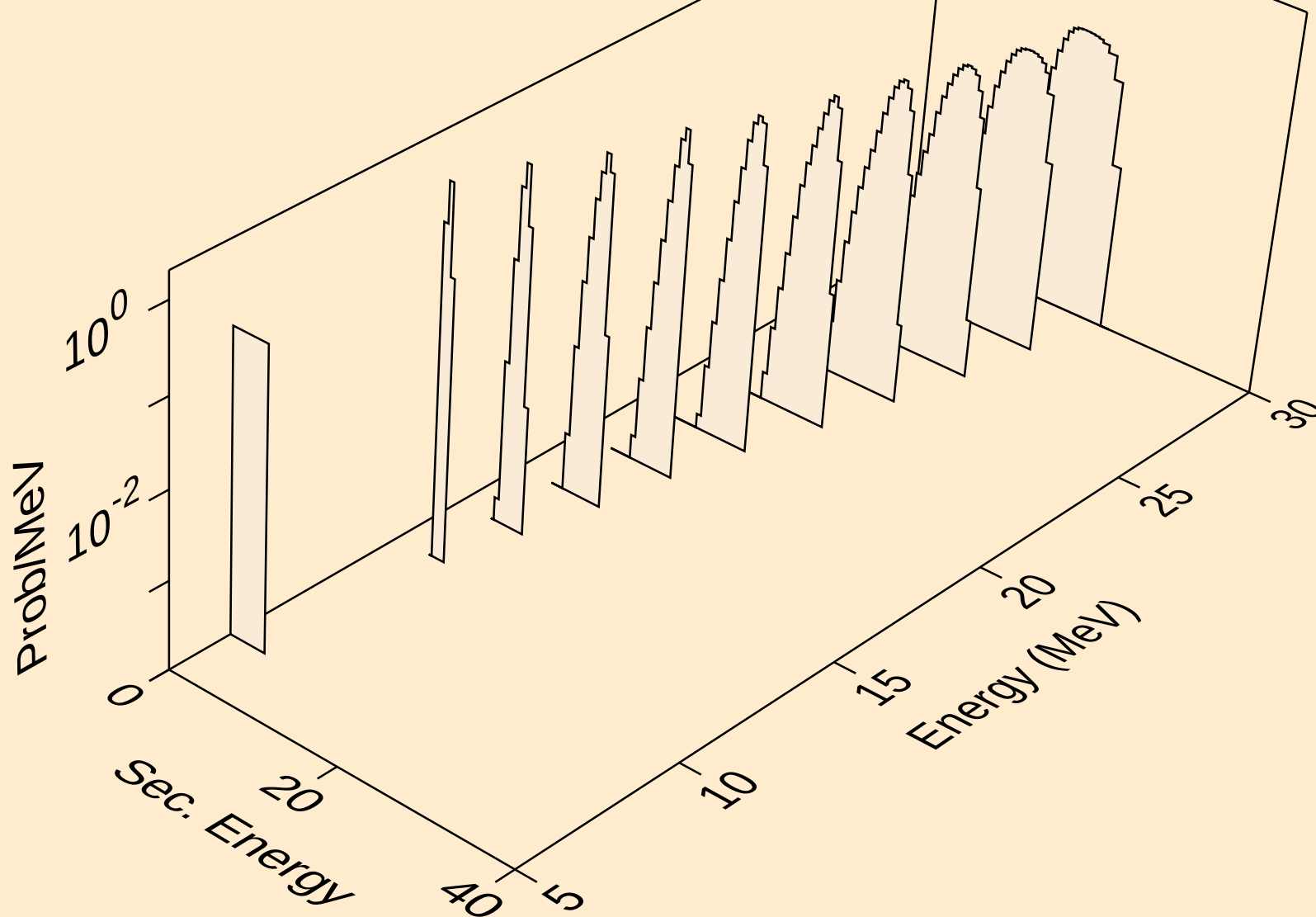
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)



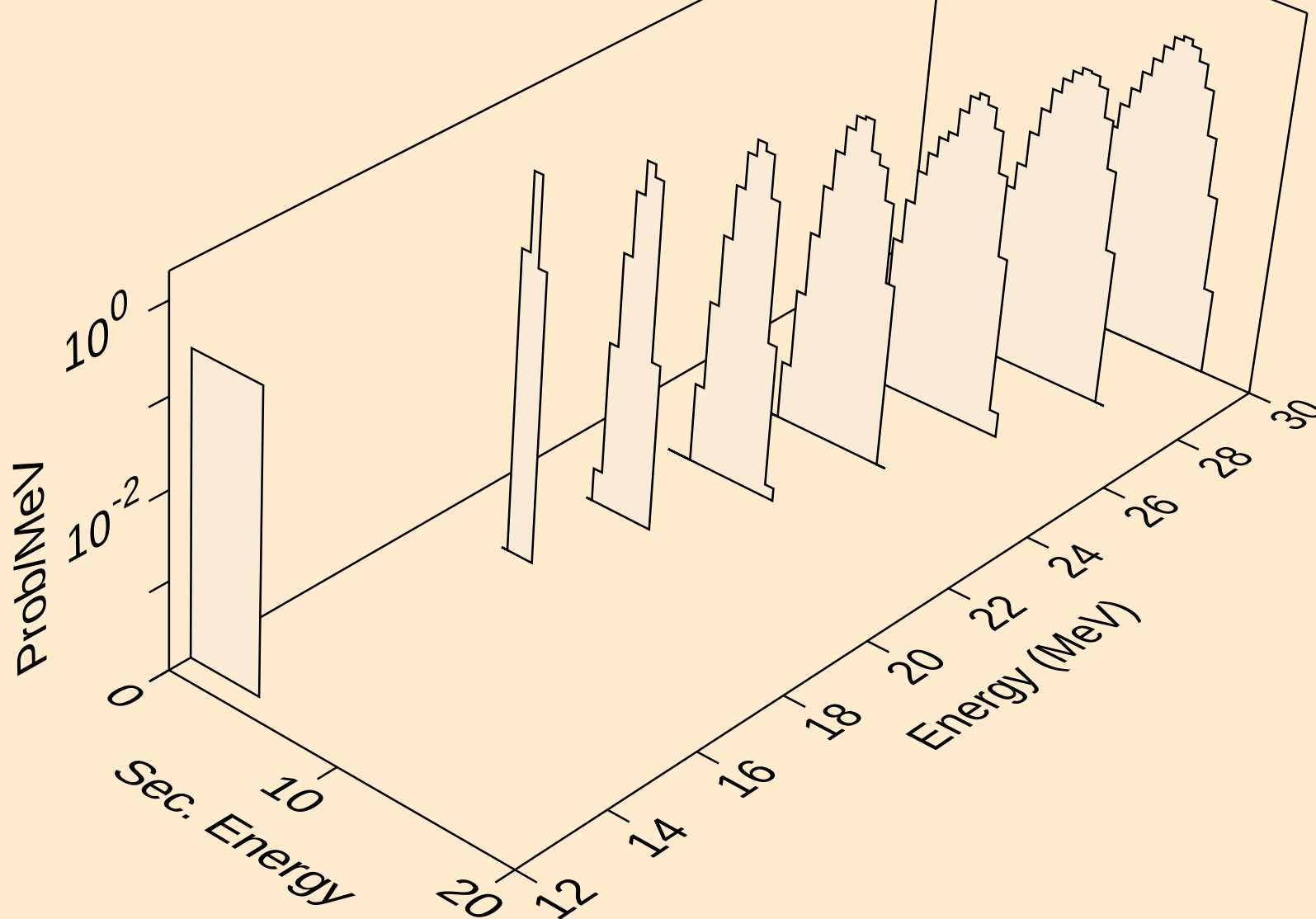
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a



EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)a

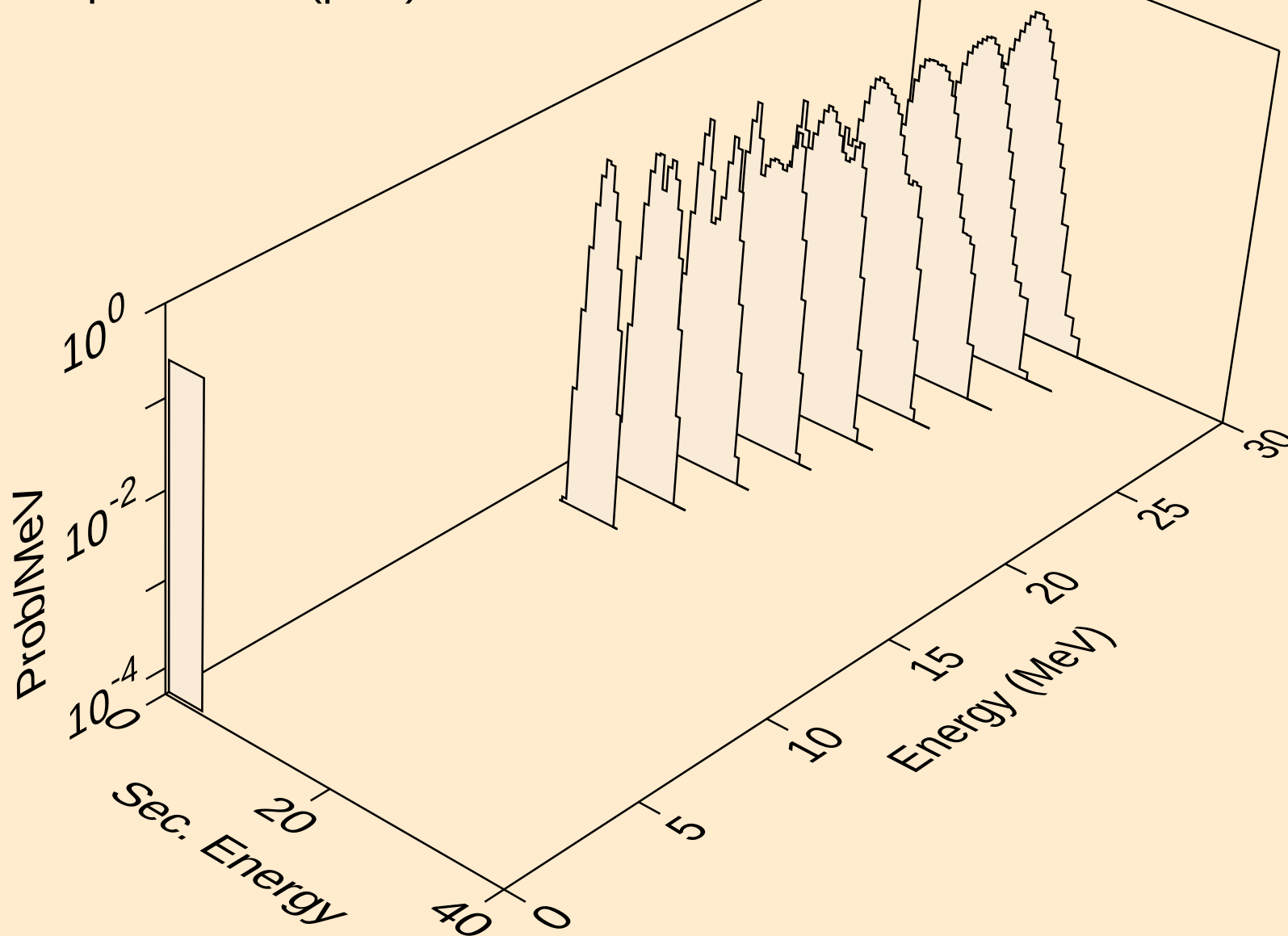


EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,3n)a

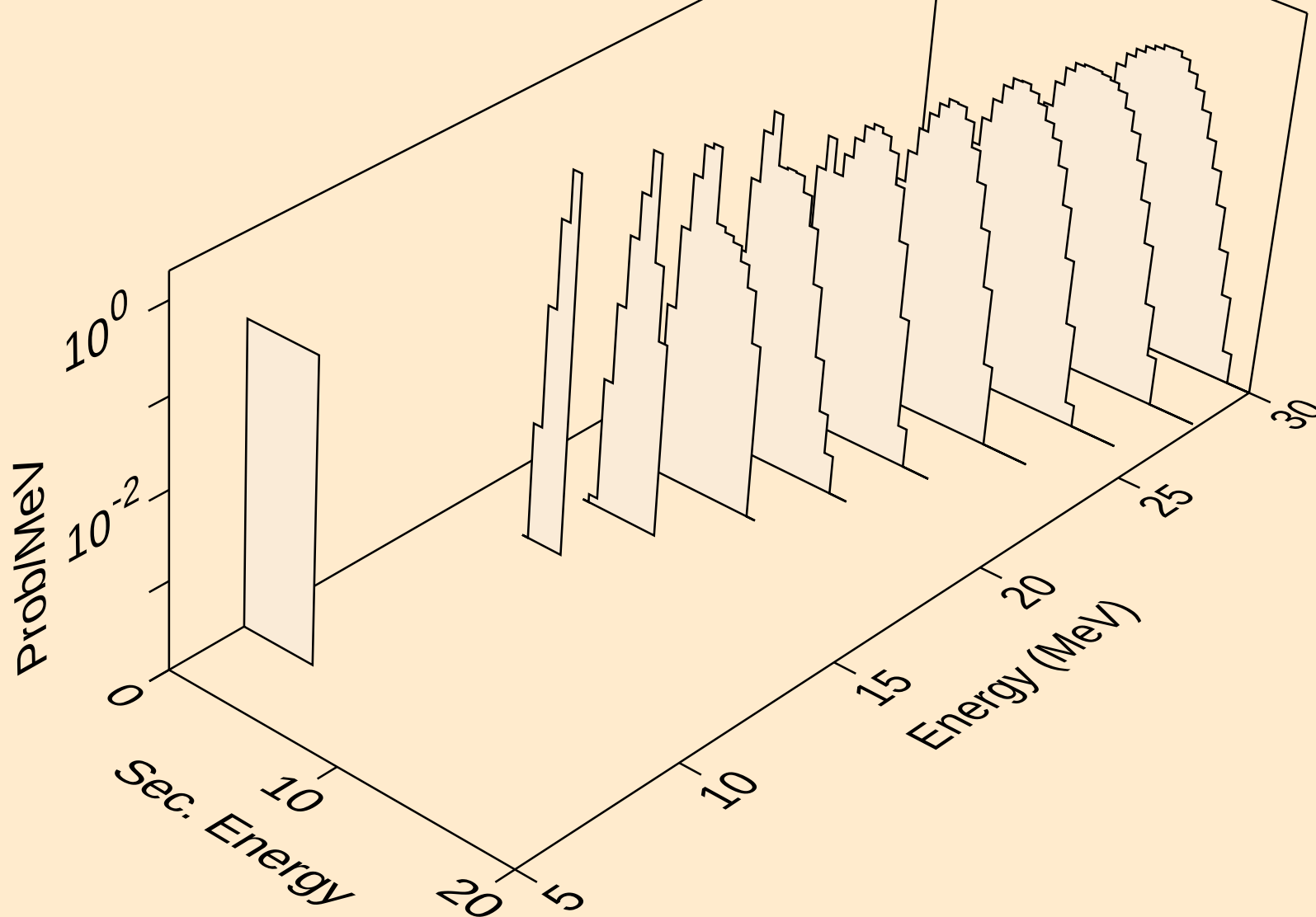




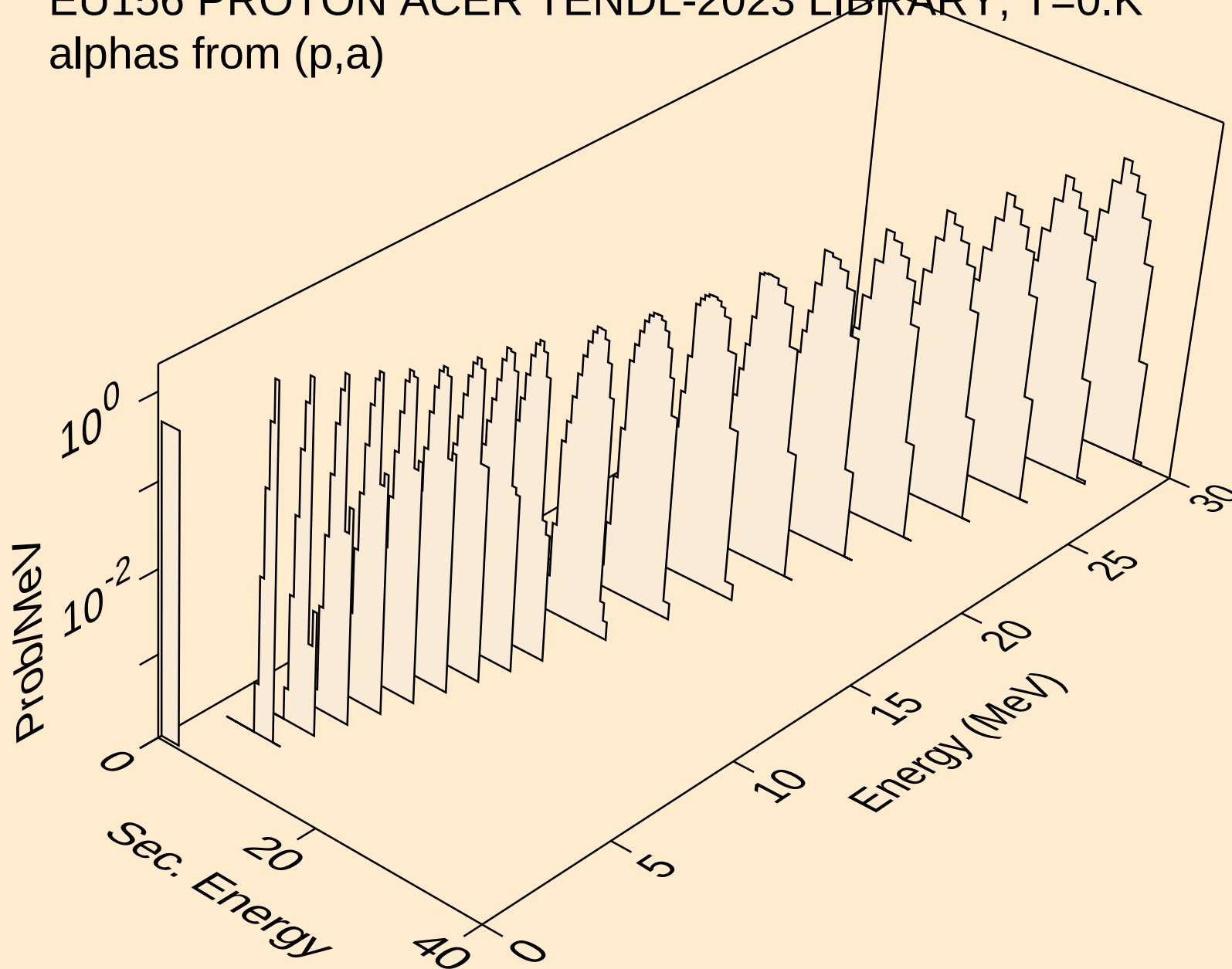
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alphas from (p,n\*)2a



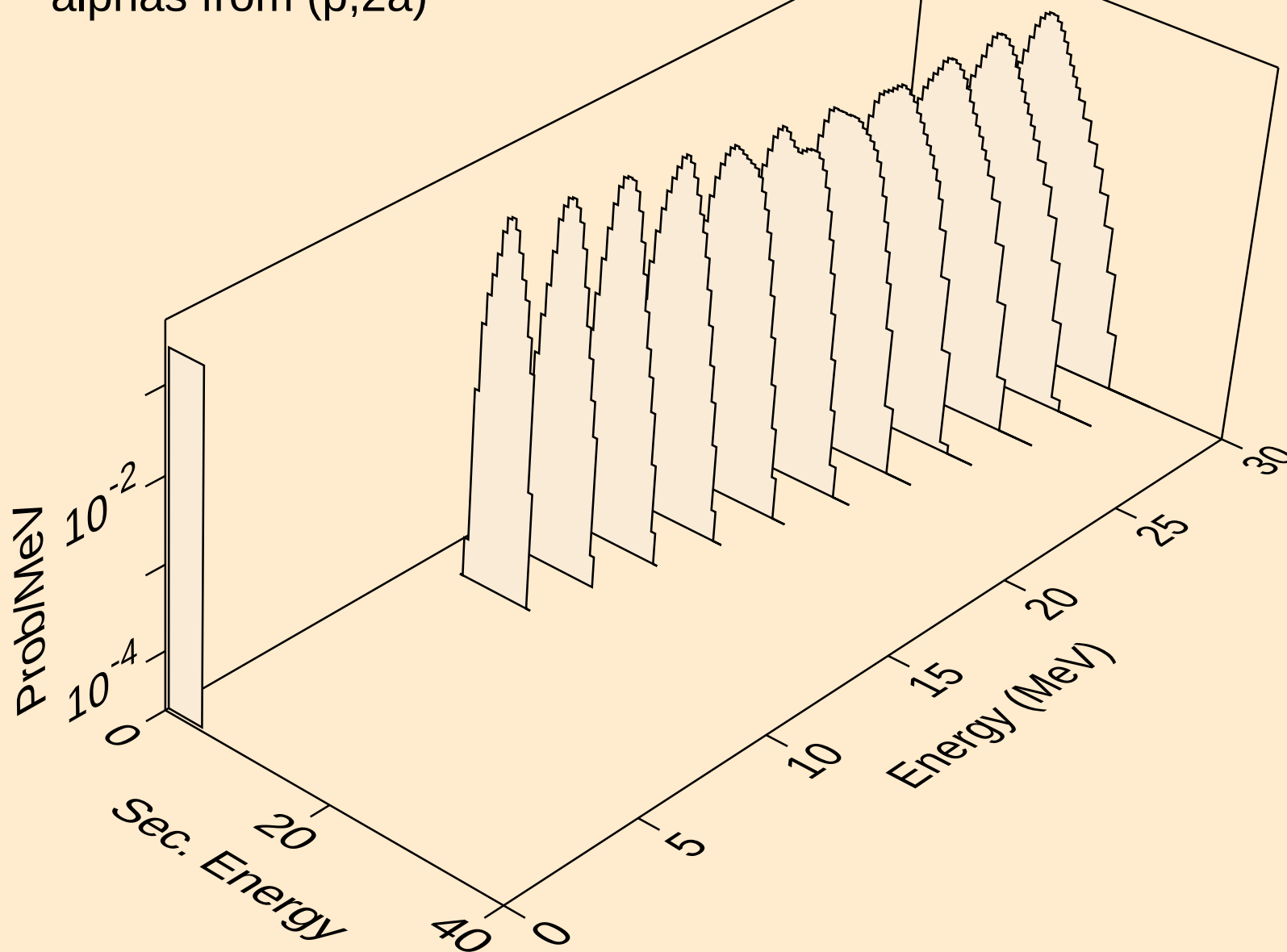
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alphas from (p,npa)



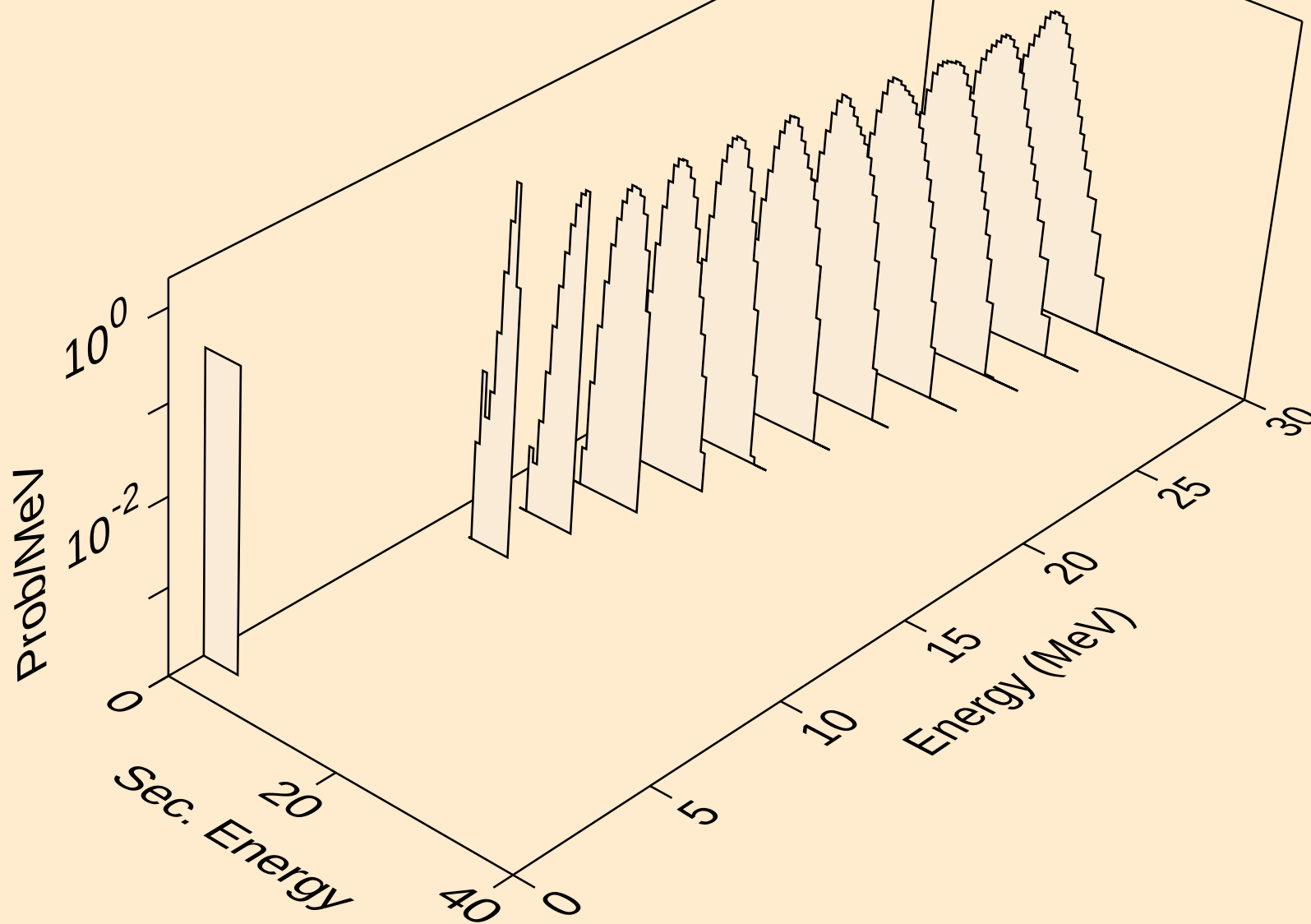
EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,a)



EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2a)



EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,pa)



EU156 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,da)

