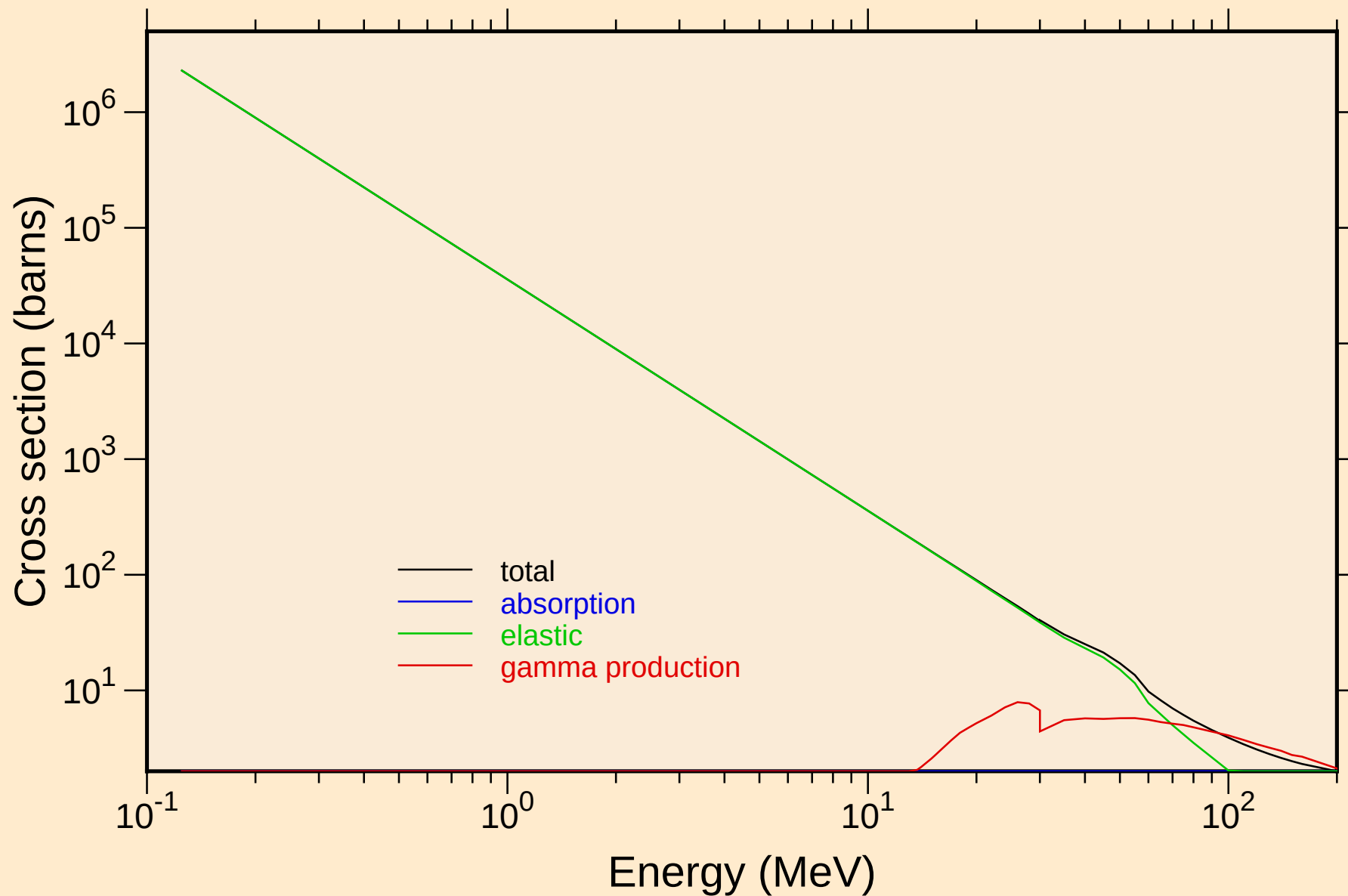


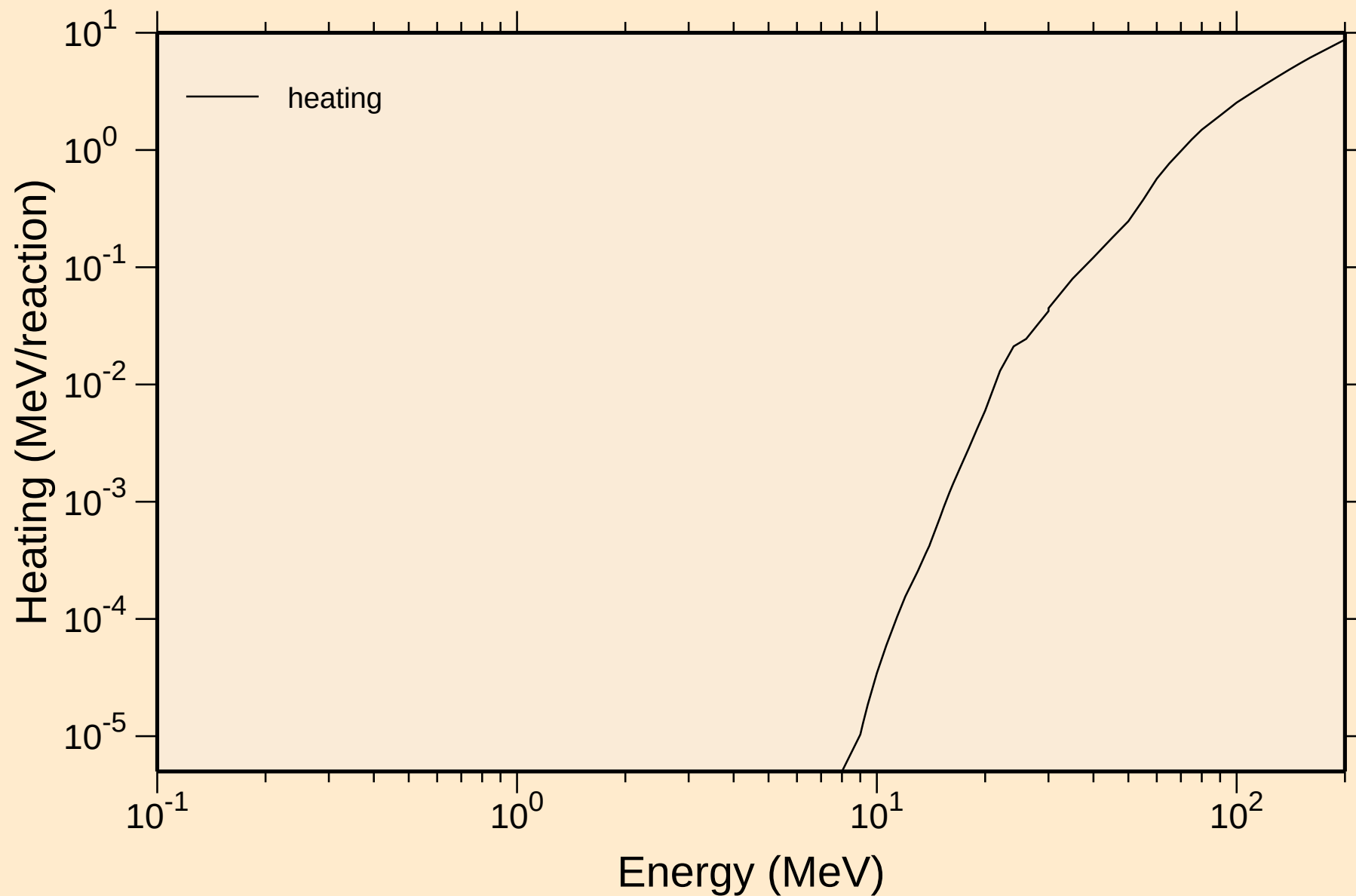
# OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



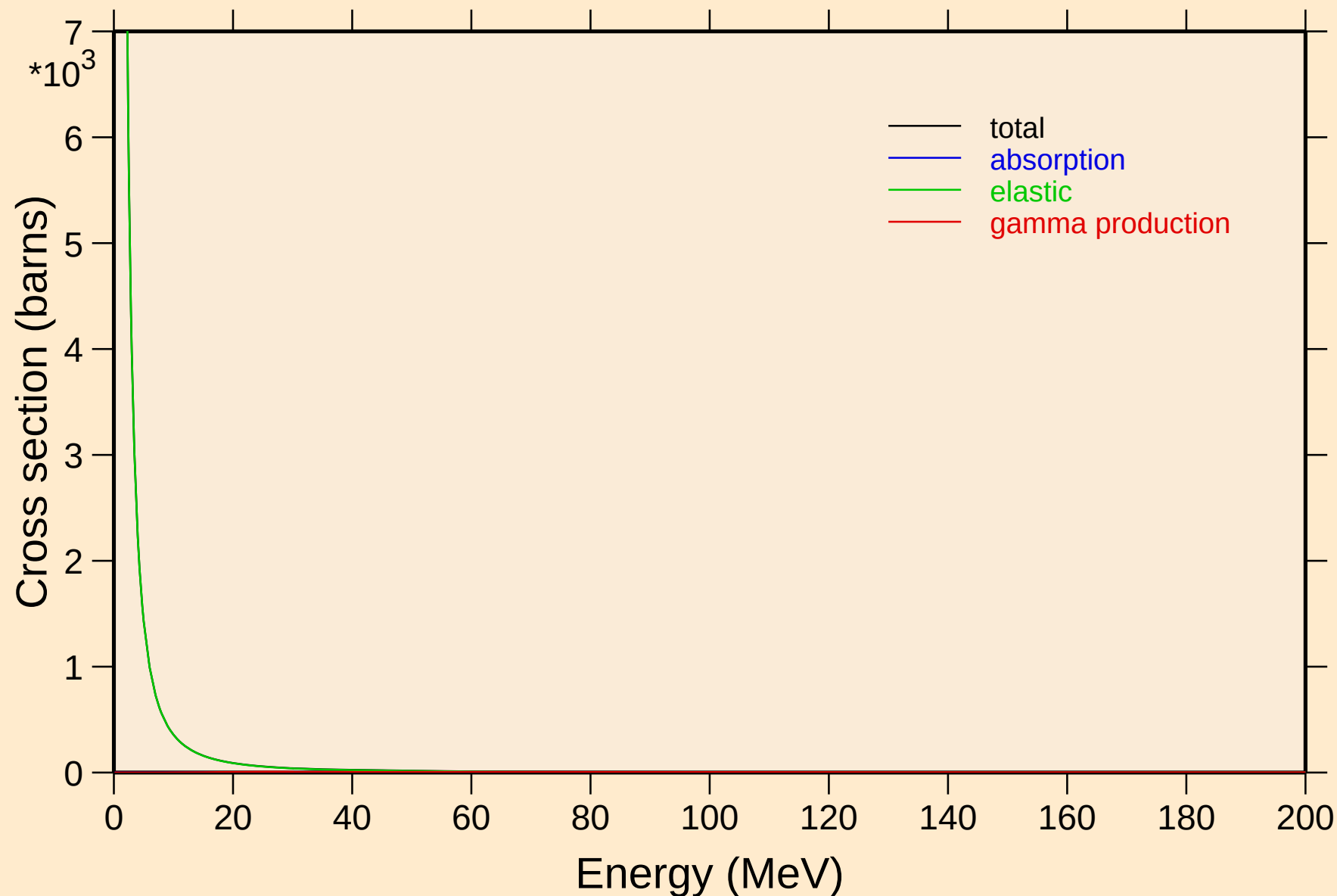
# OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Heating



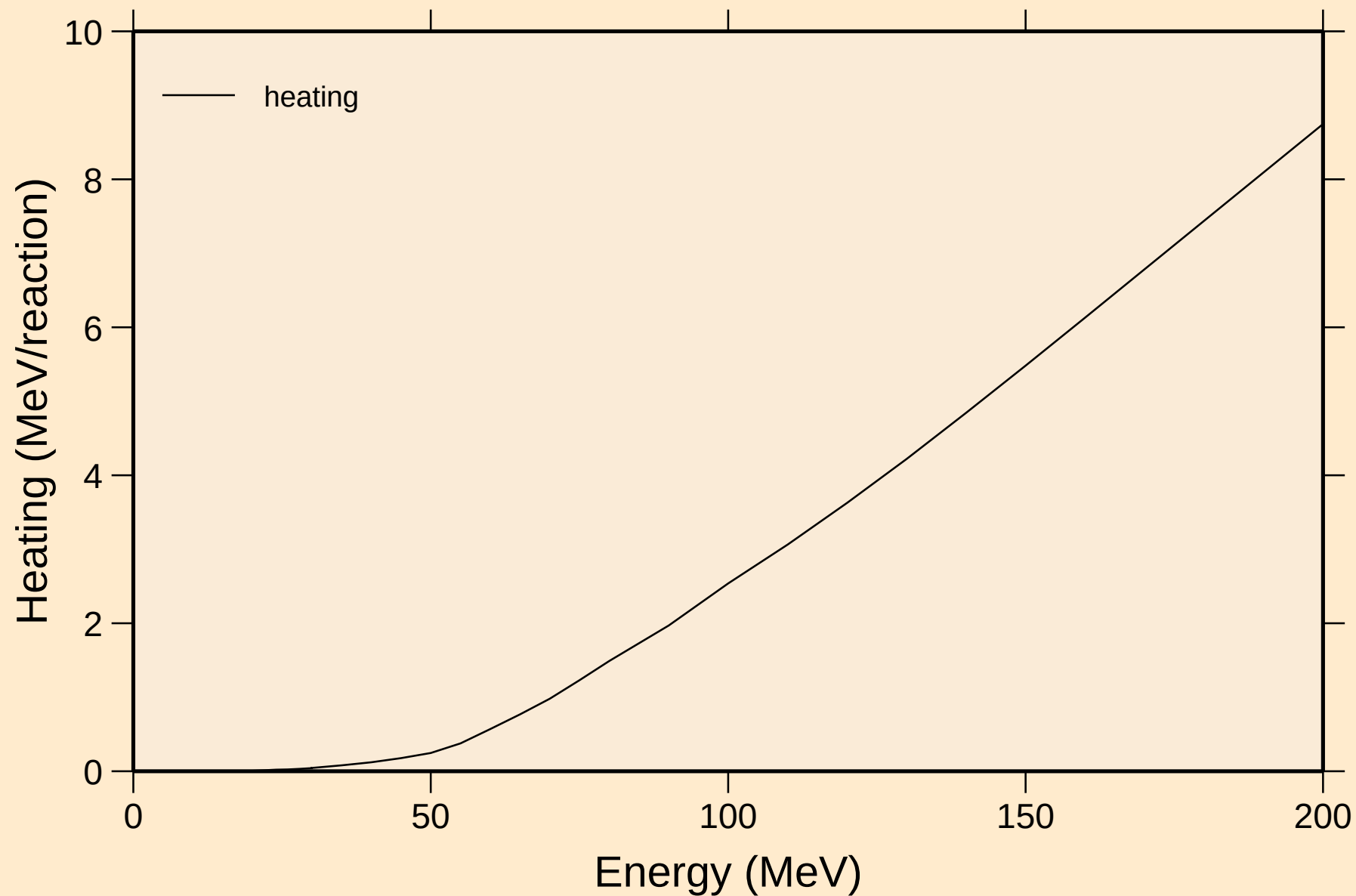
# OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



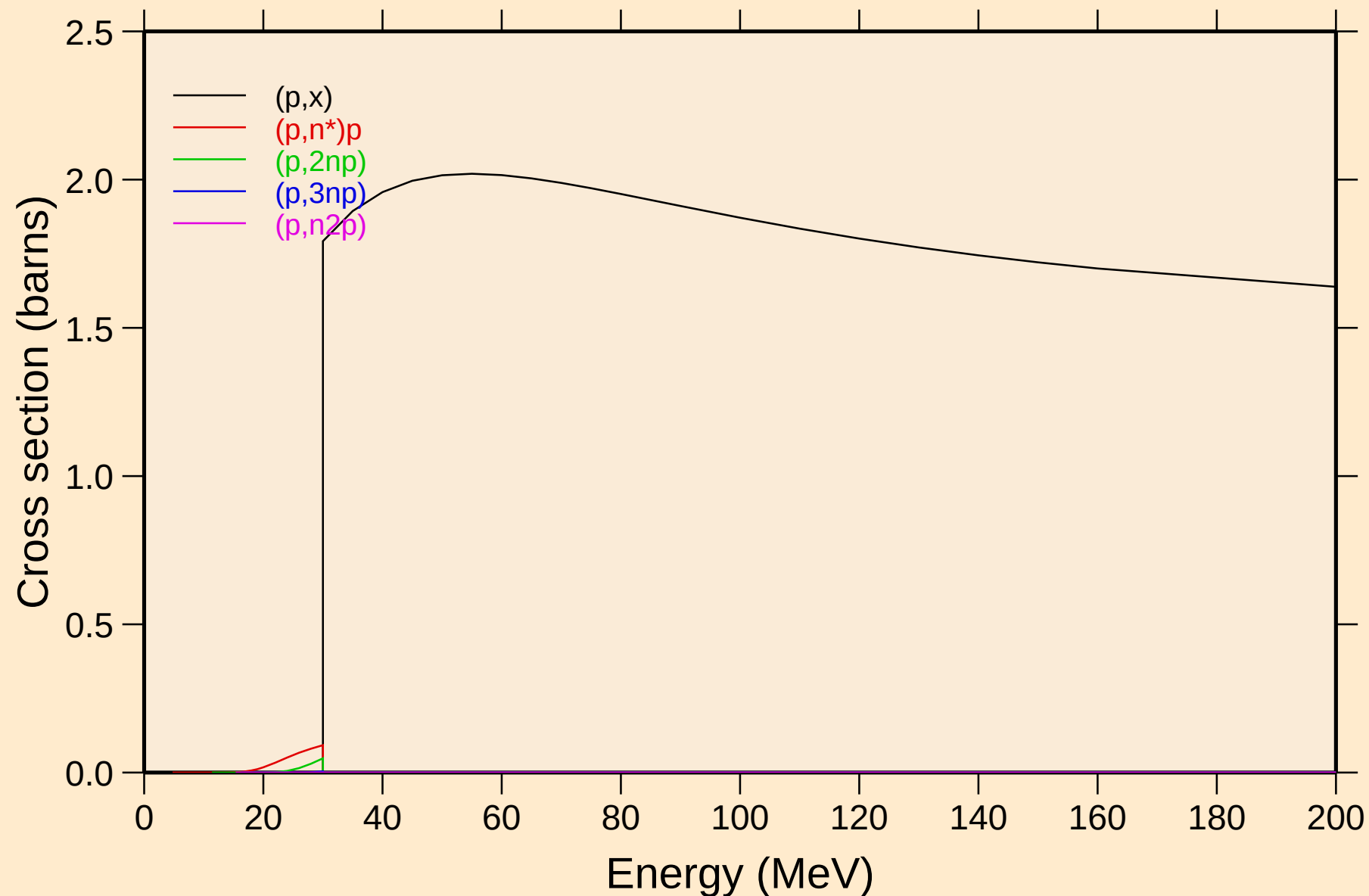
# OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Heating



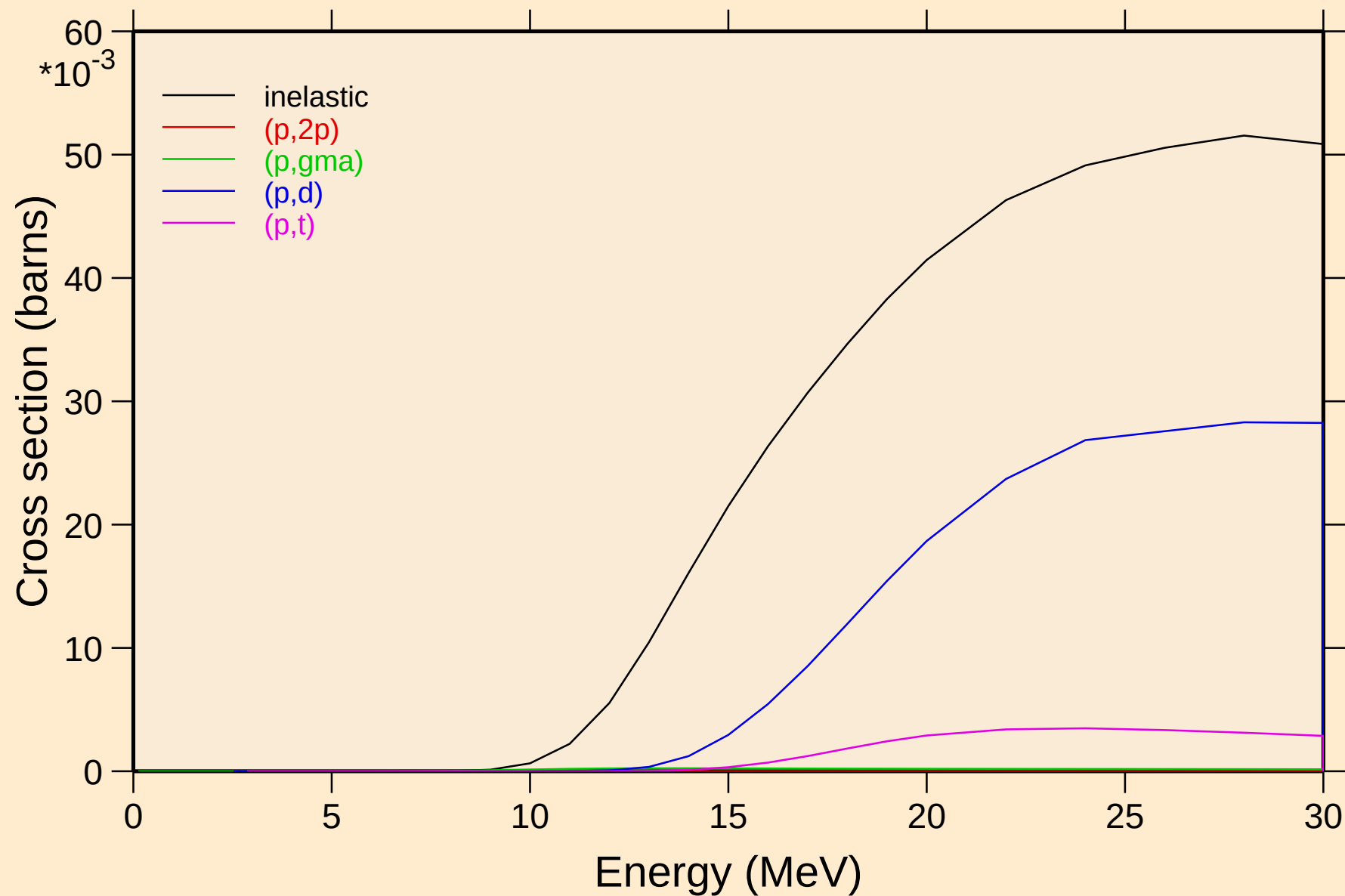
# OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions



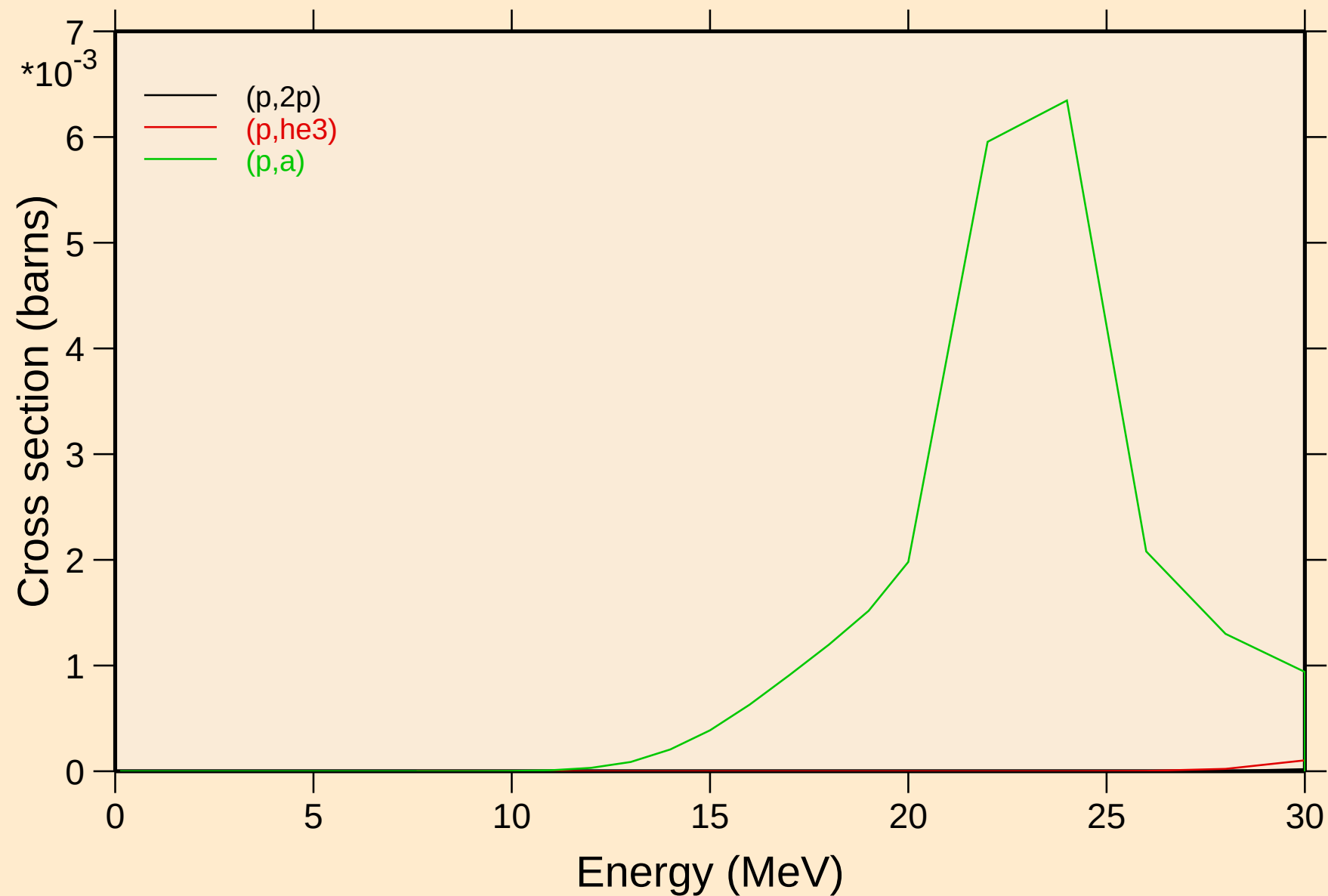
# OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



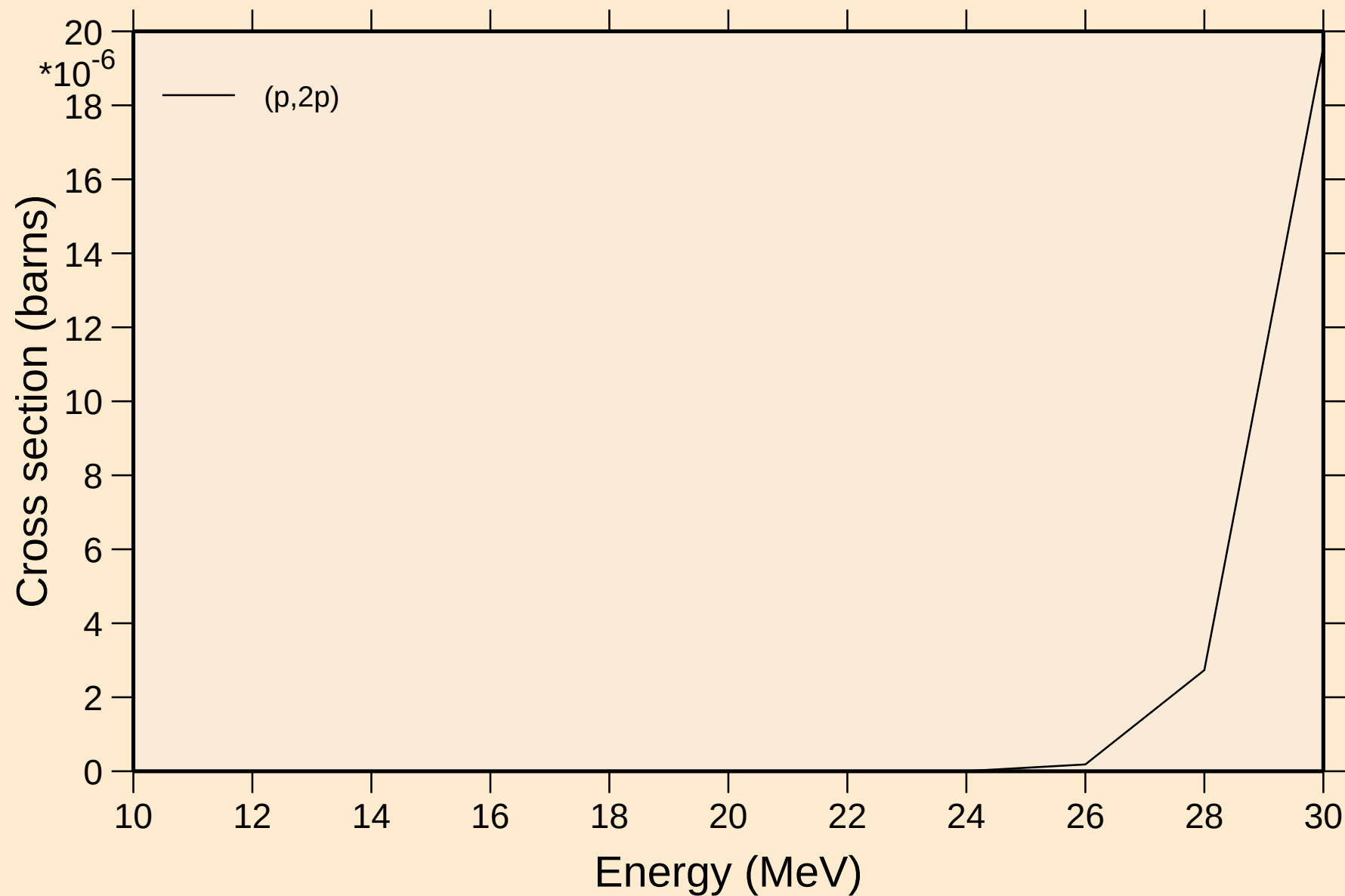
# OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions



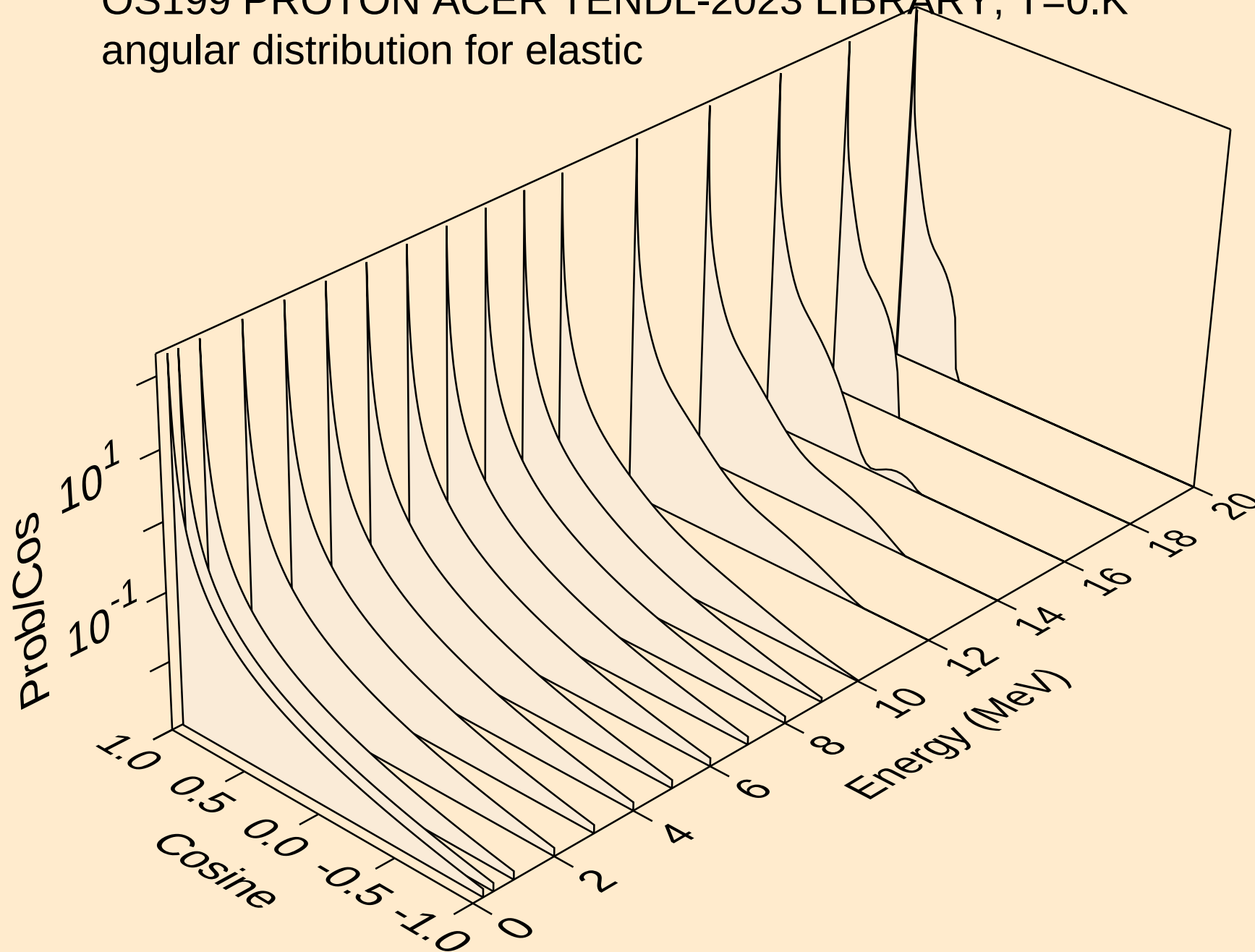
# OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

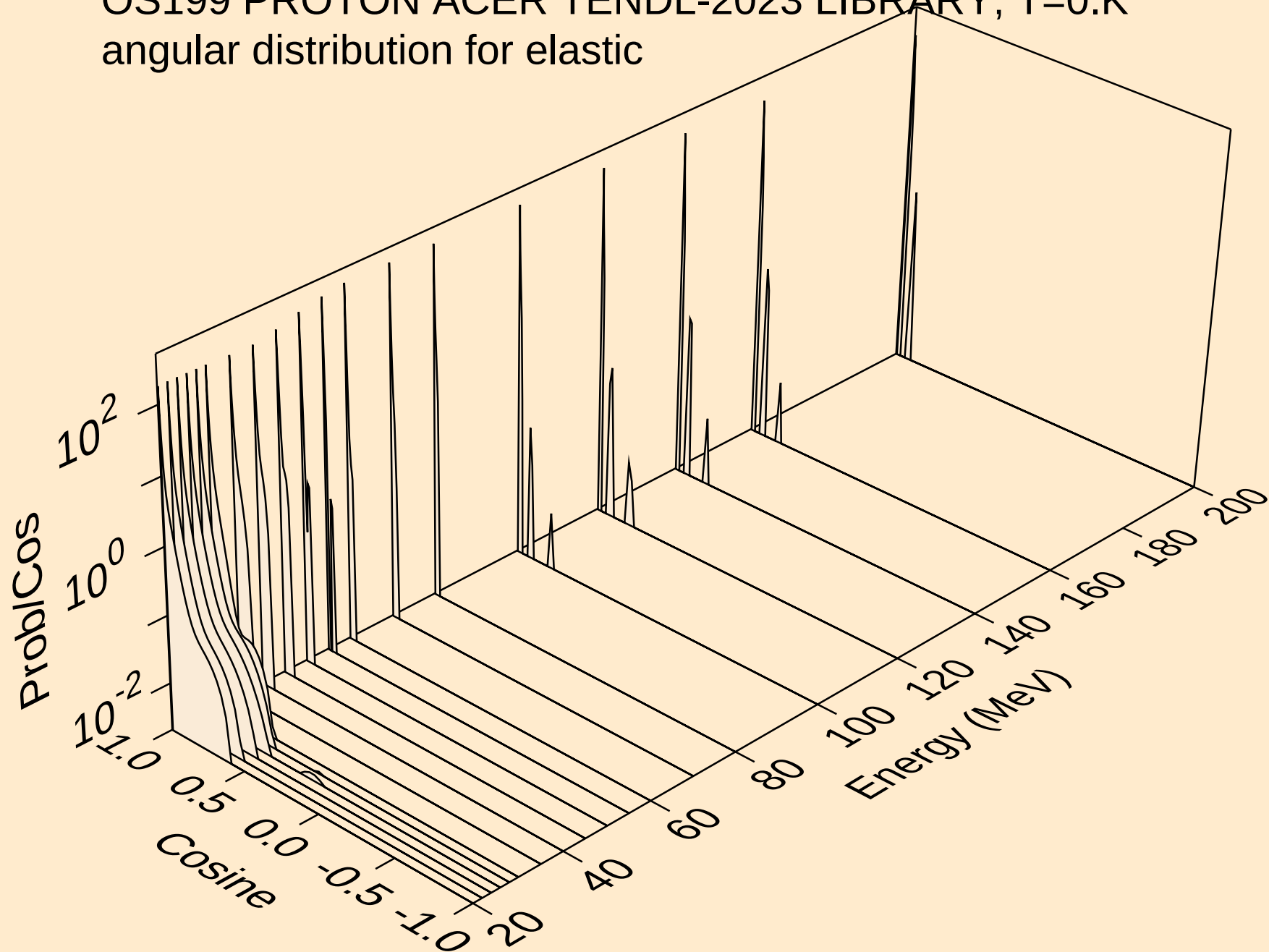




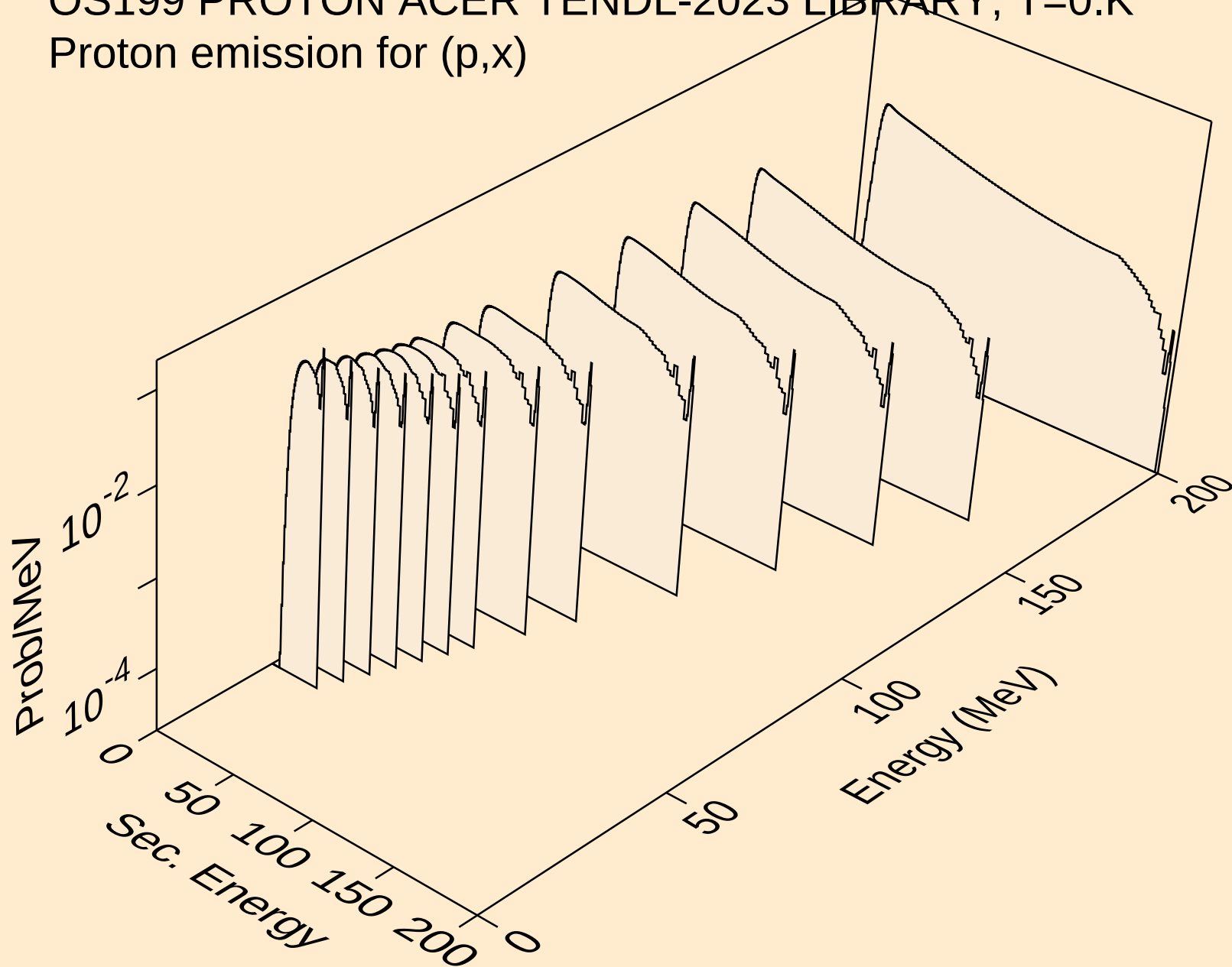
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

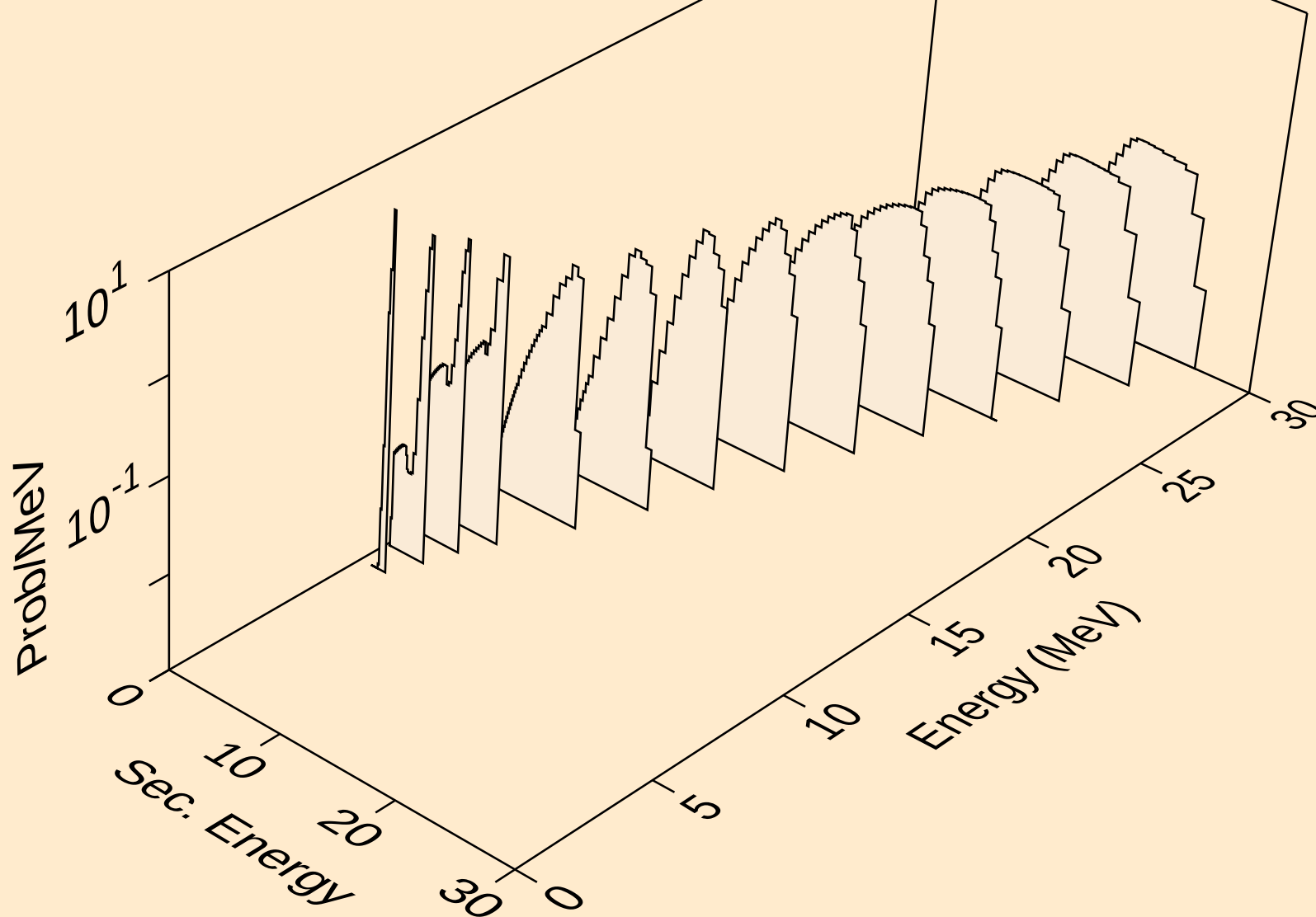


OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)

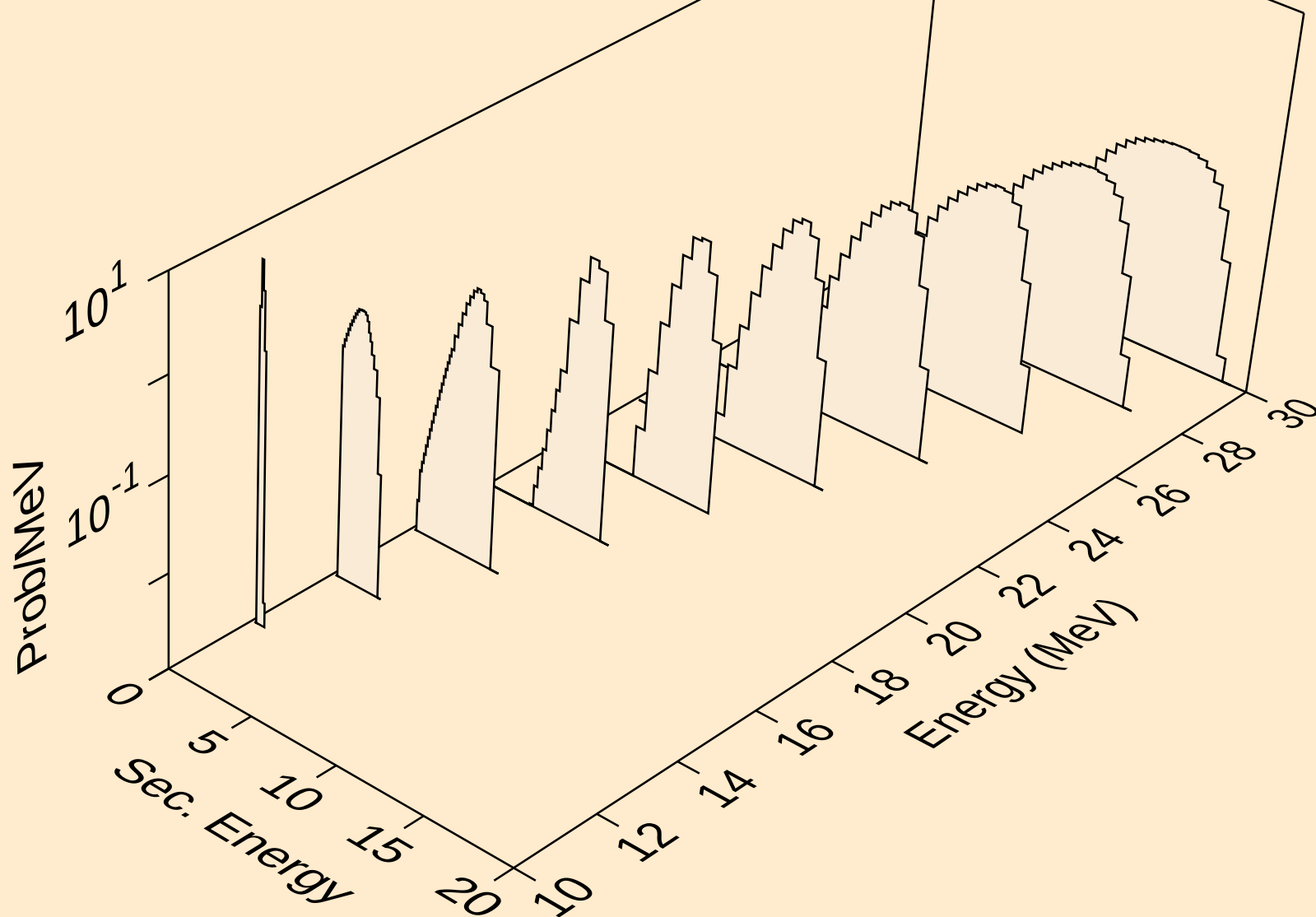


OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K

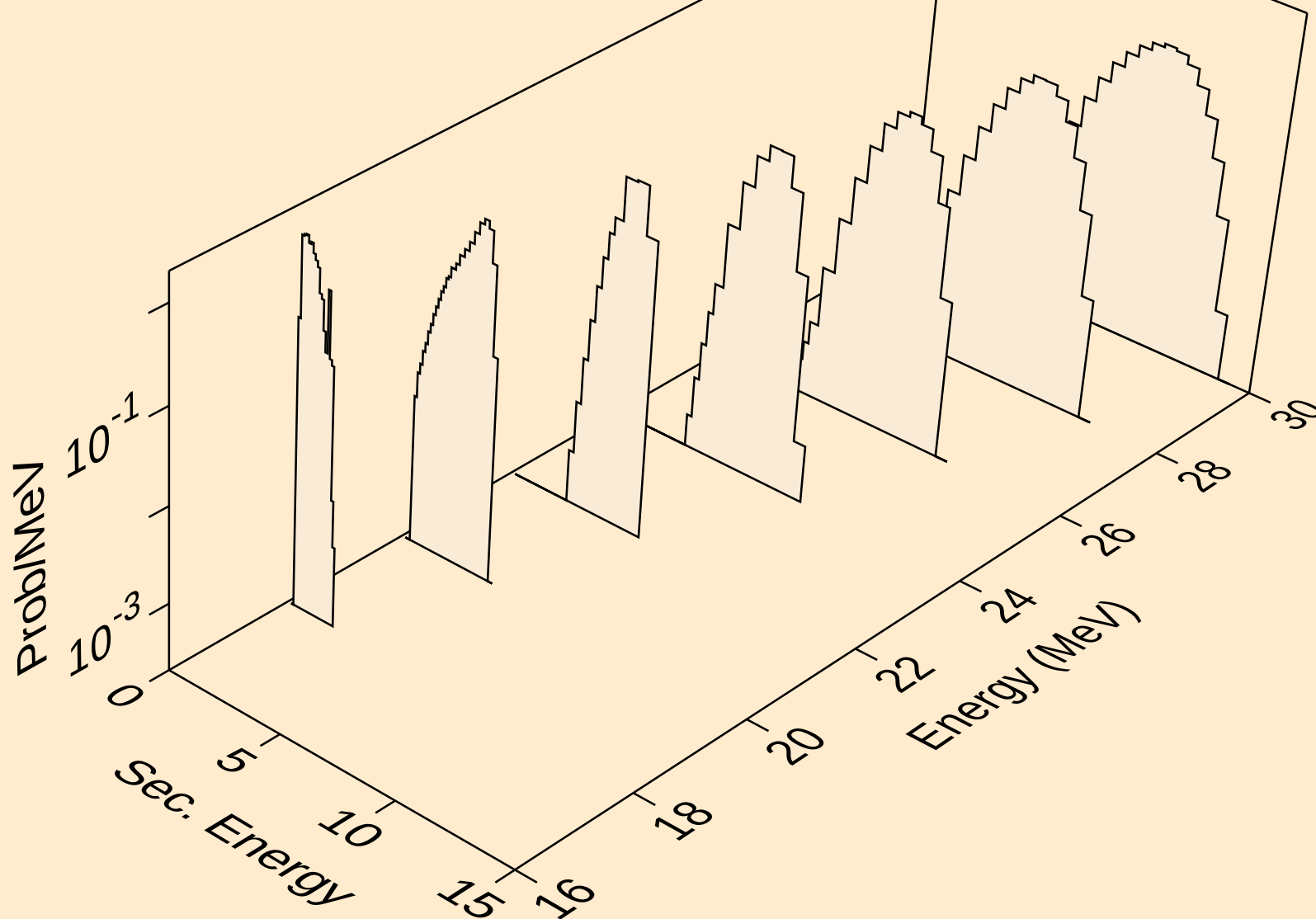
Proton emission for (p,n\*)p



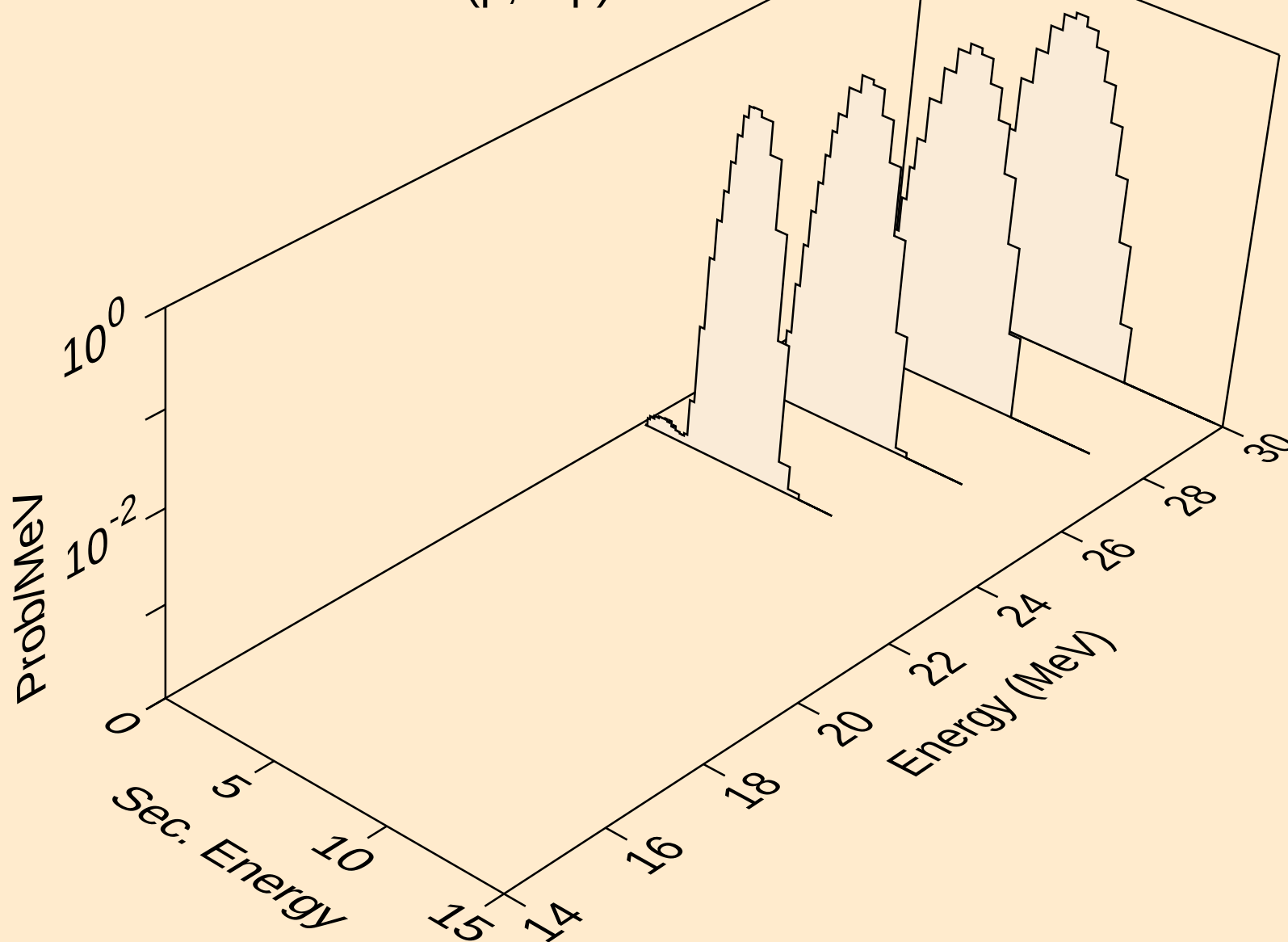
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



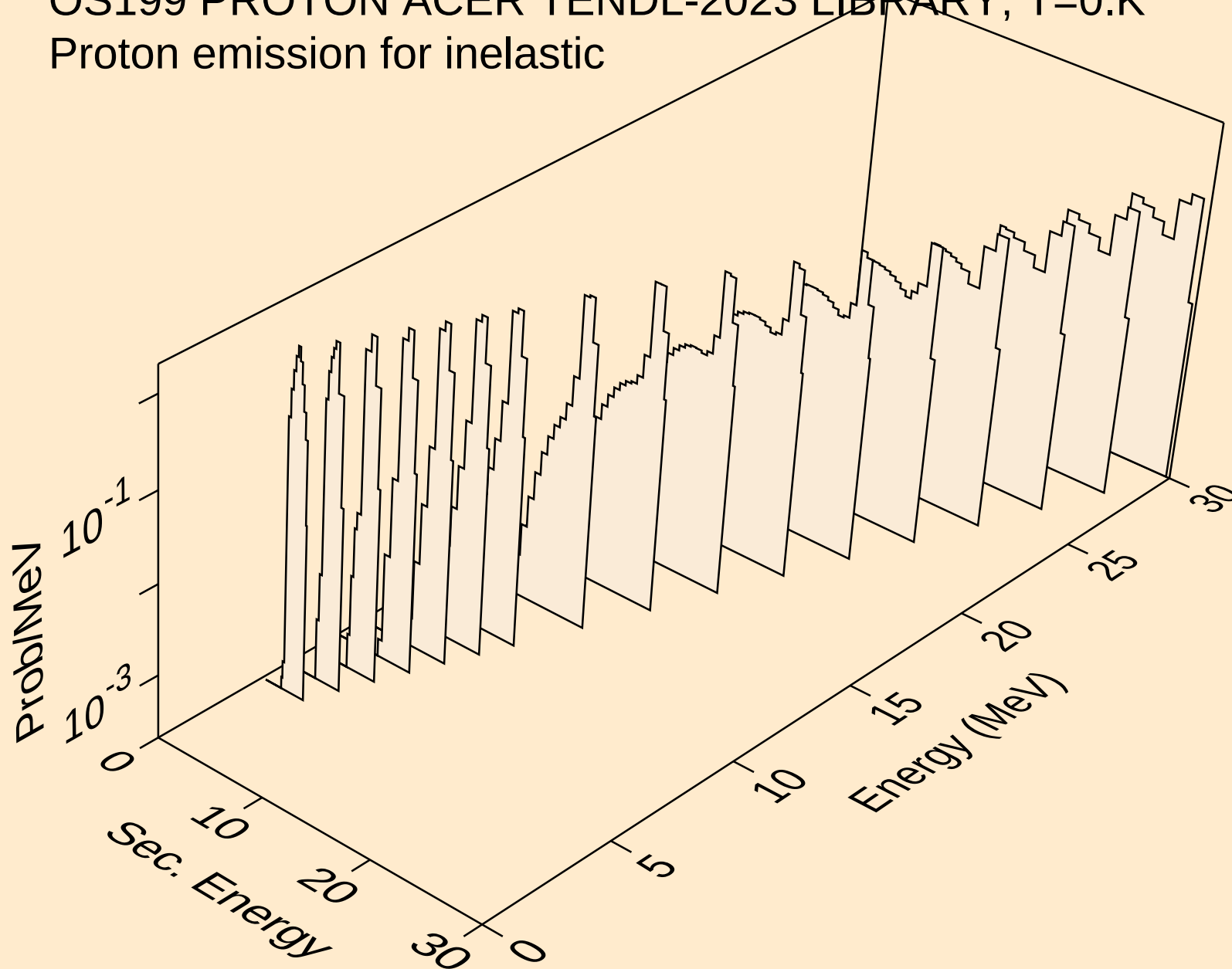
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,3np)



OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n2p)

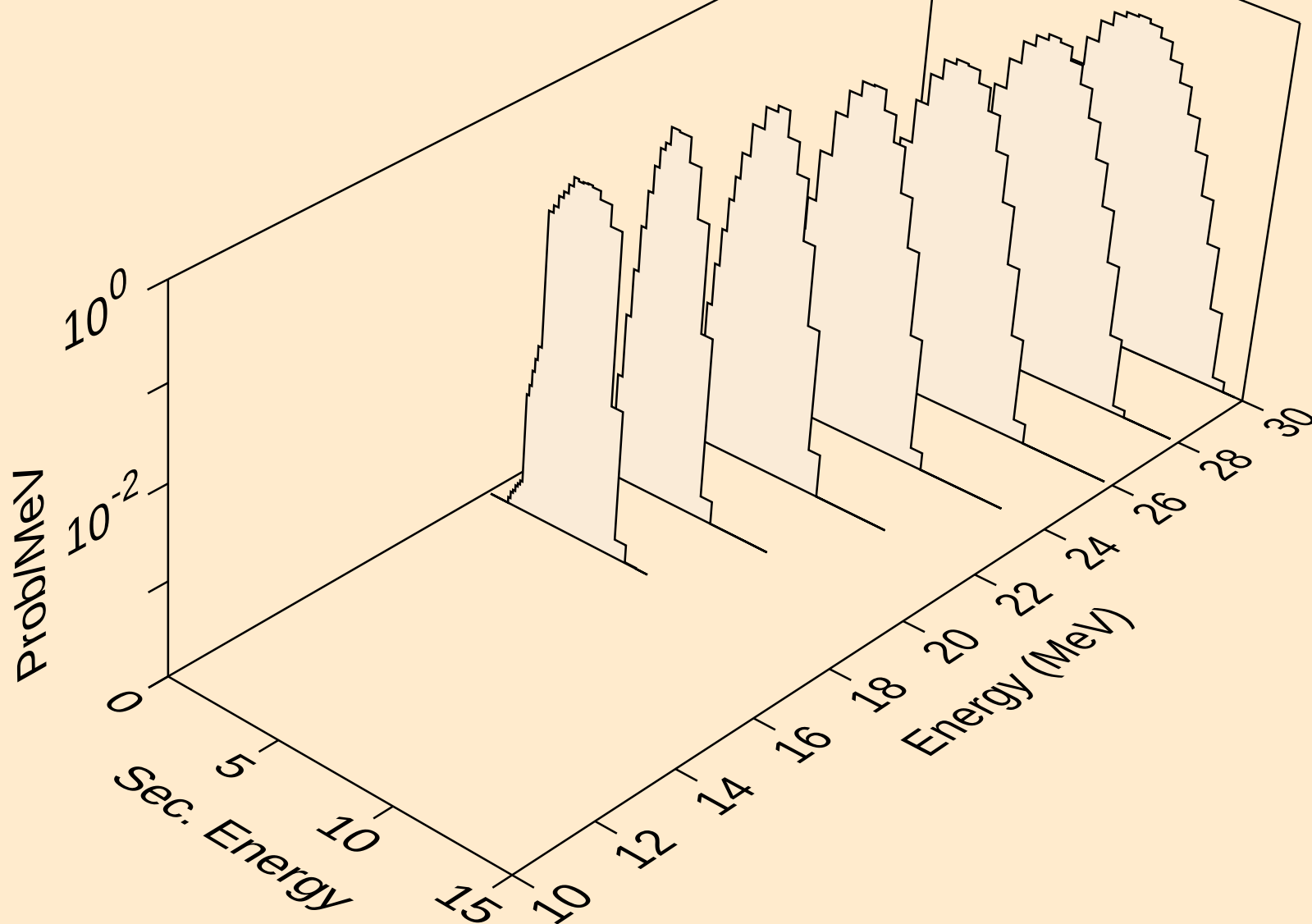


OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic

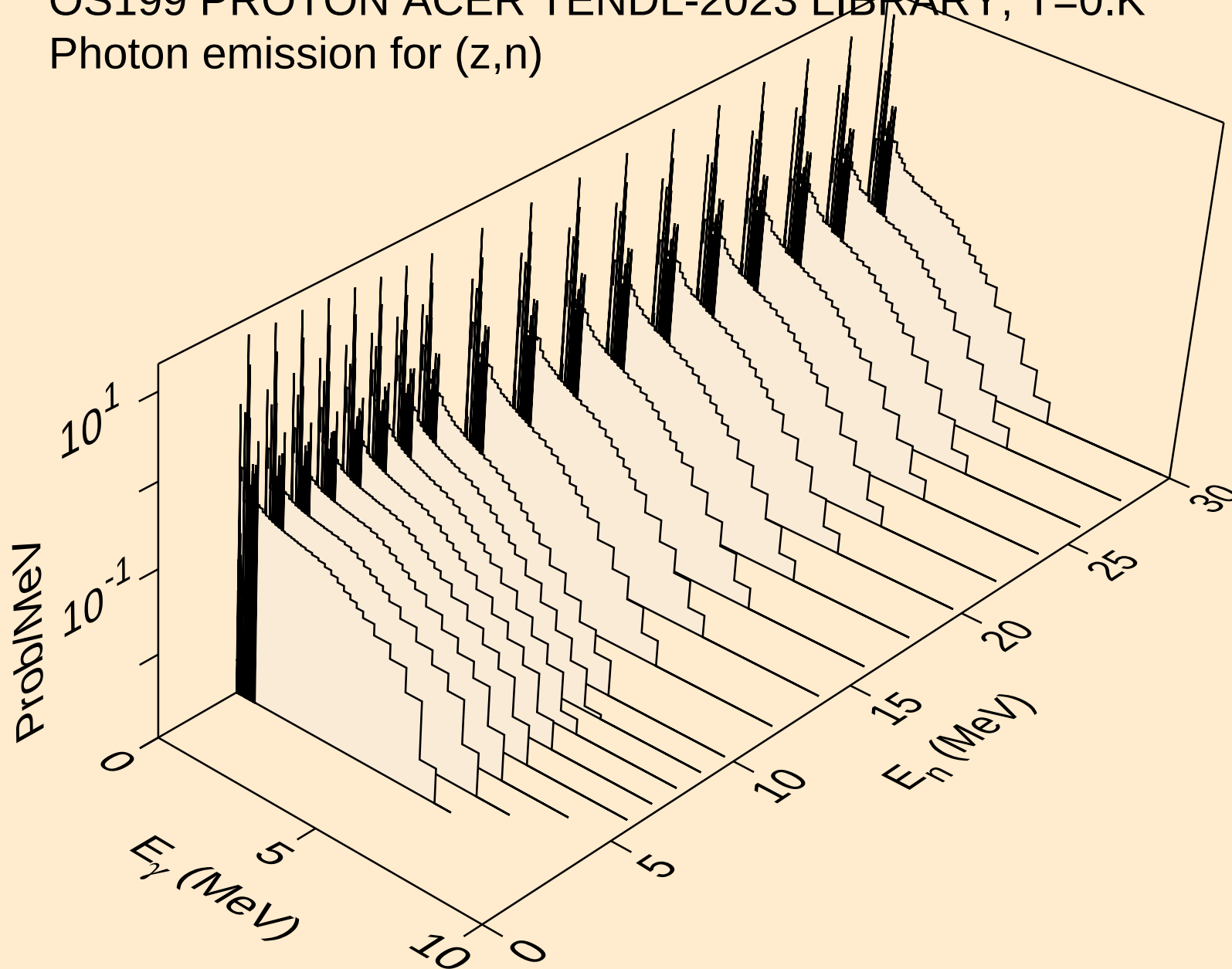




OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2p)

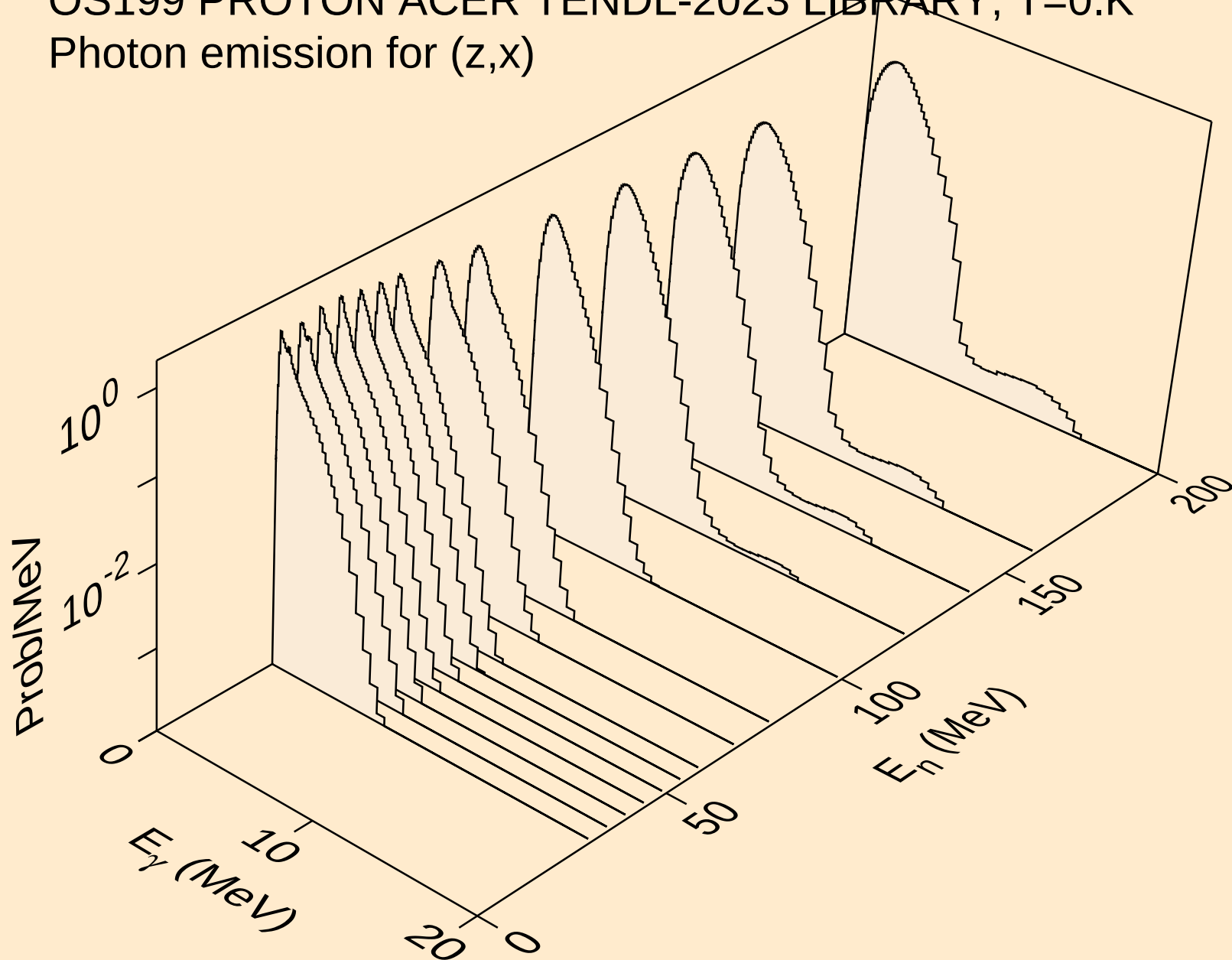


OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)

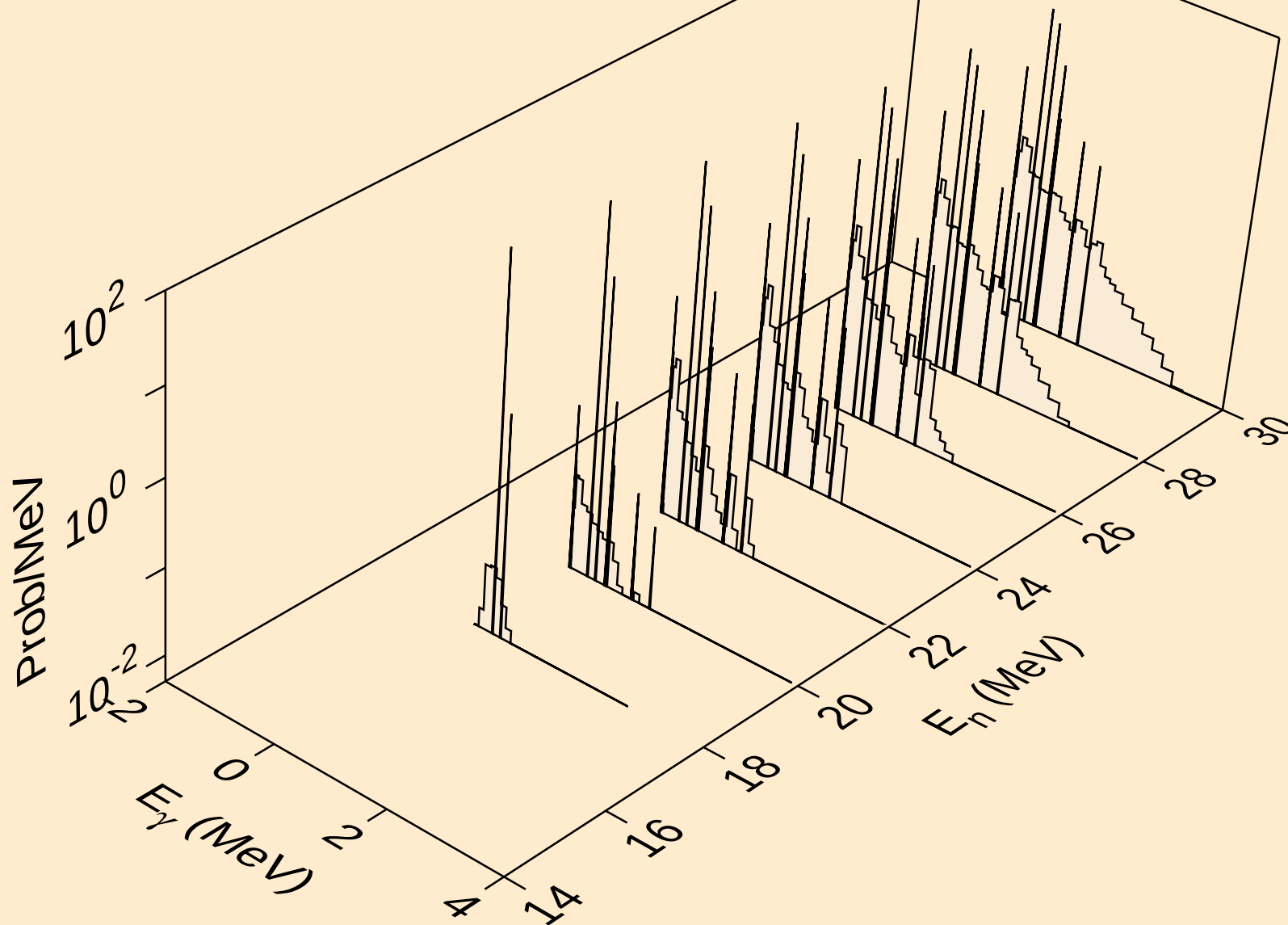


OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K

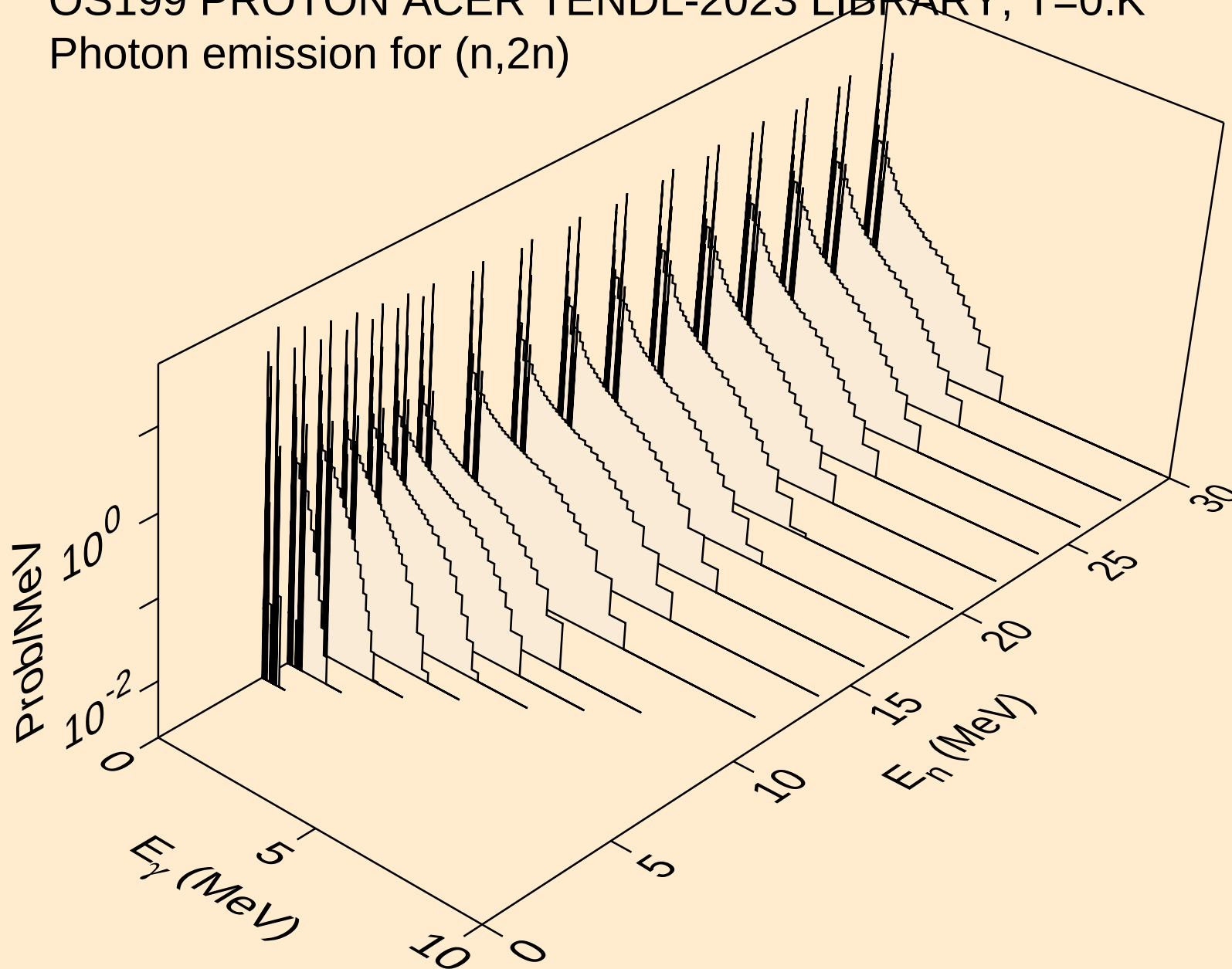
Photon emission for (z,x)



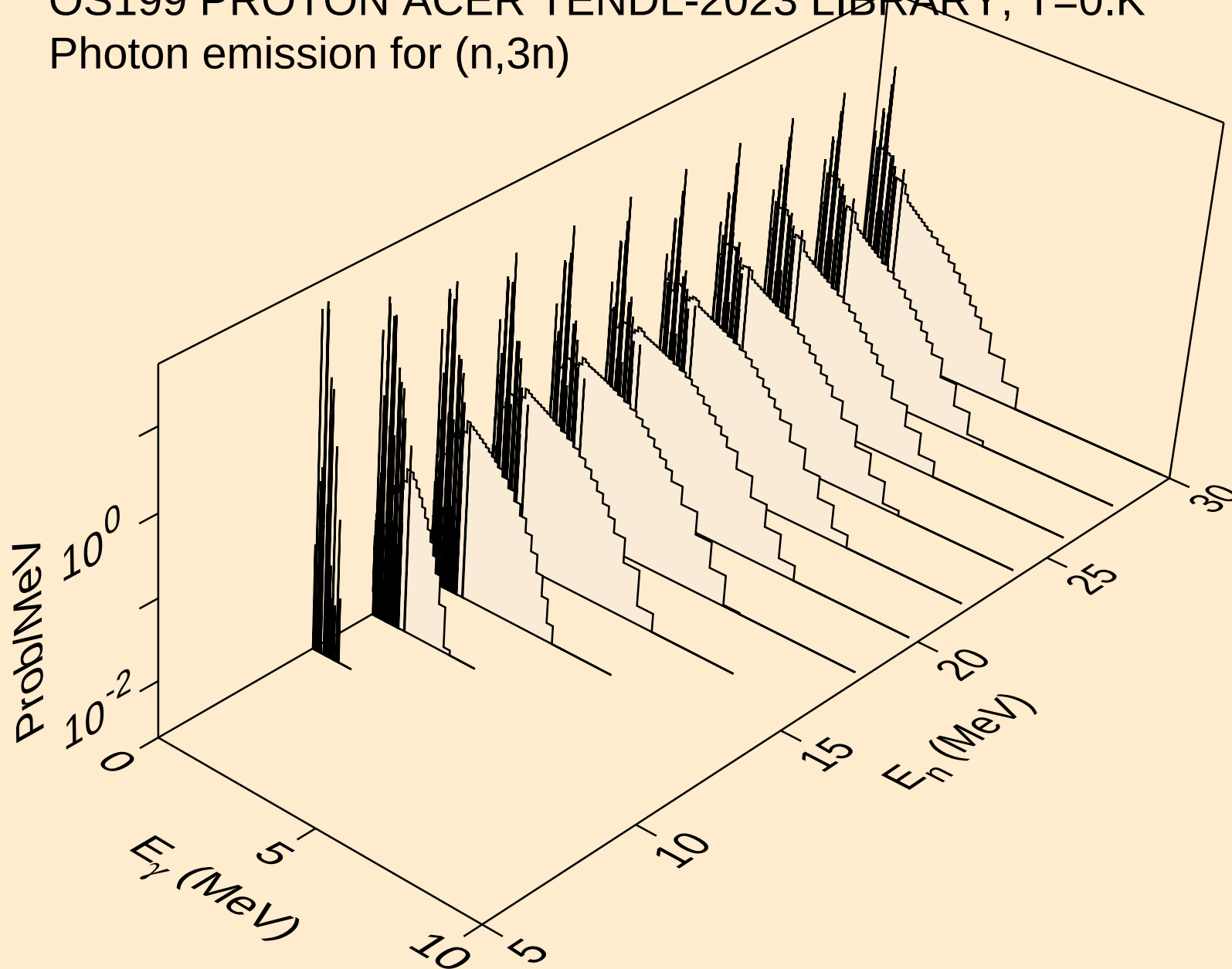
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)

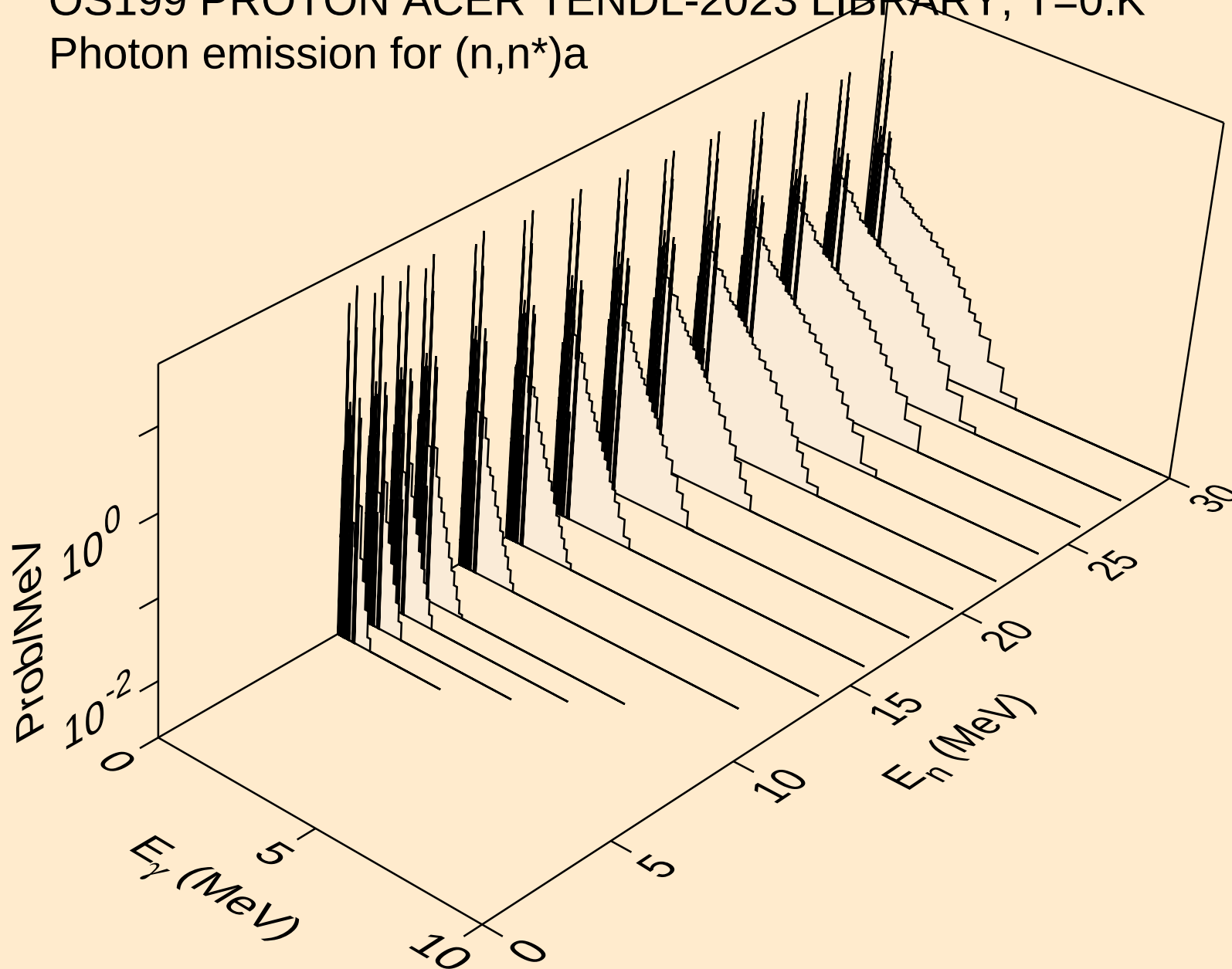


OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



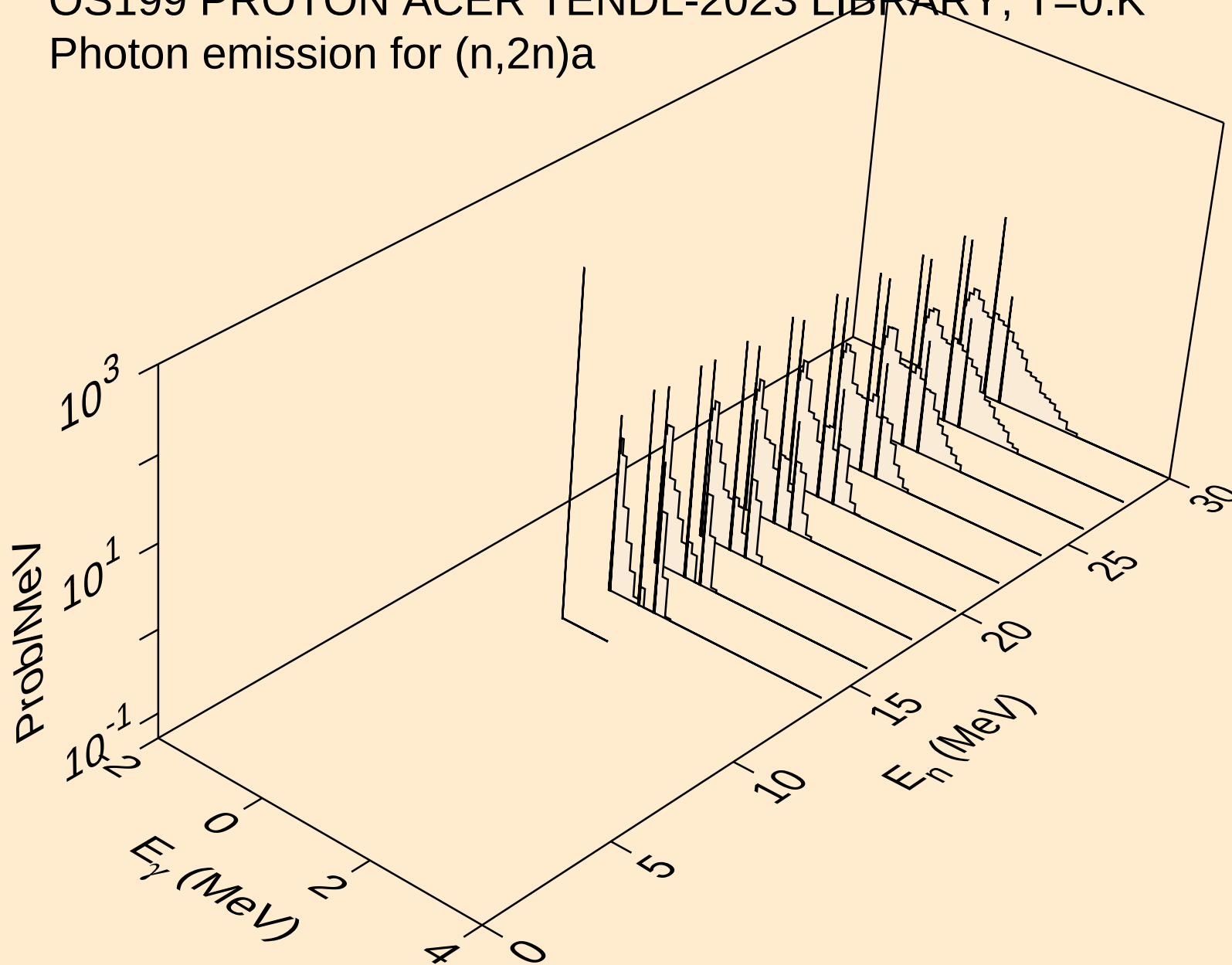
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)a



OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K

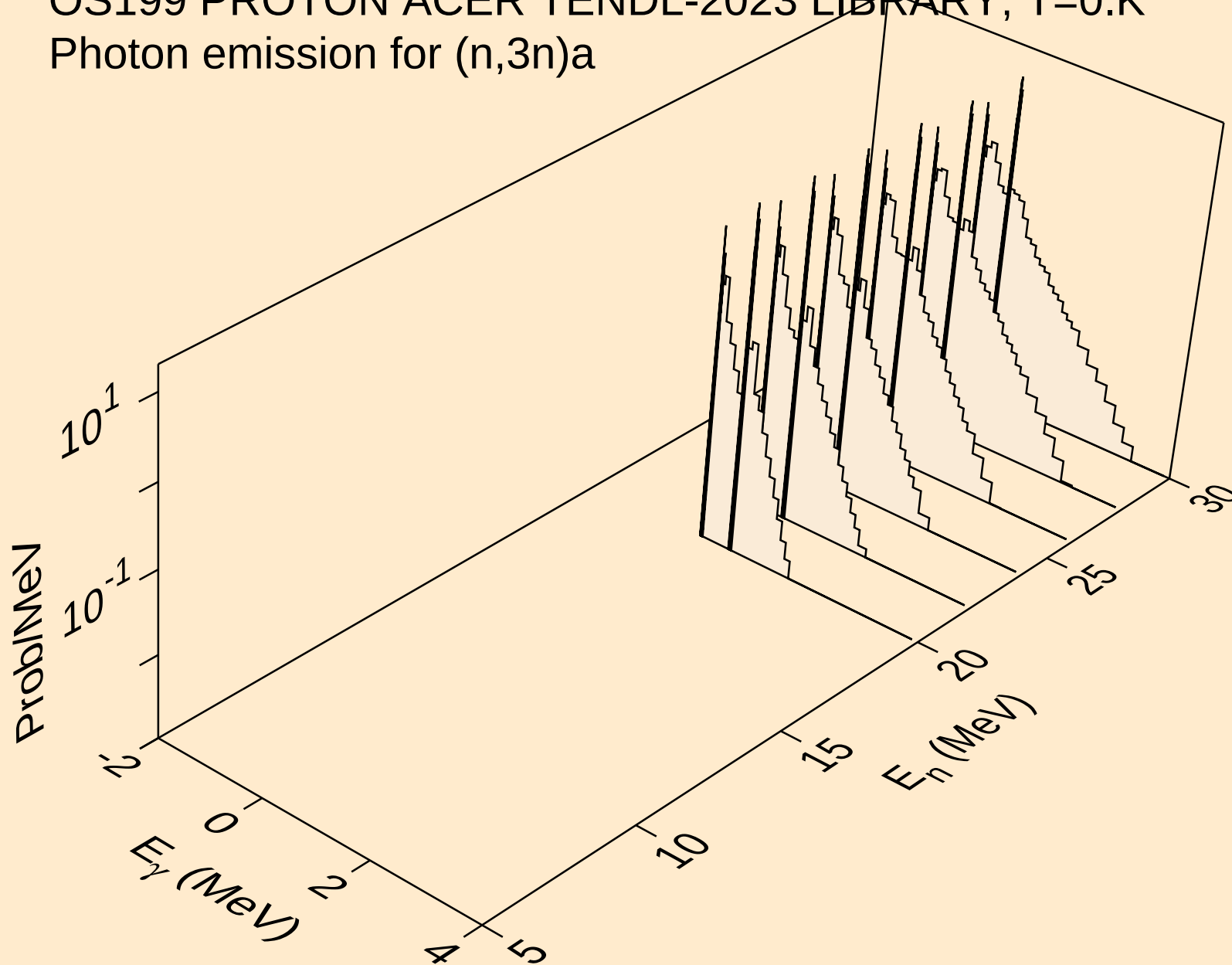
Photon emission for (n,2n) $\alpha$





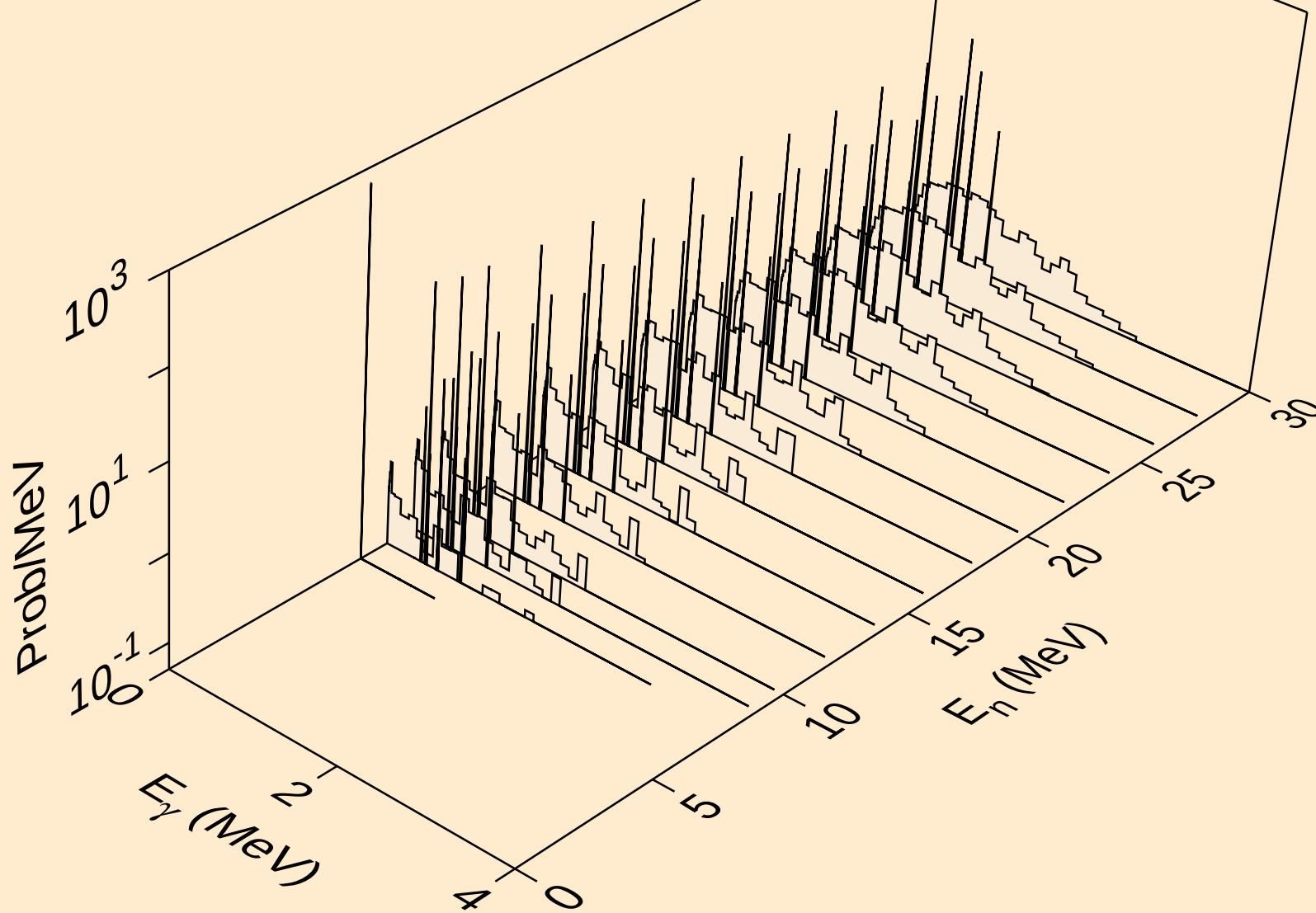
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K

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



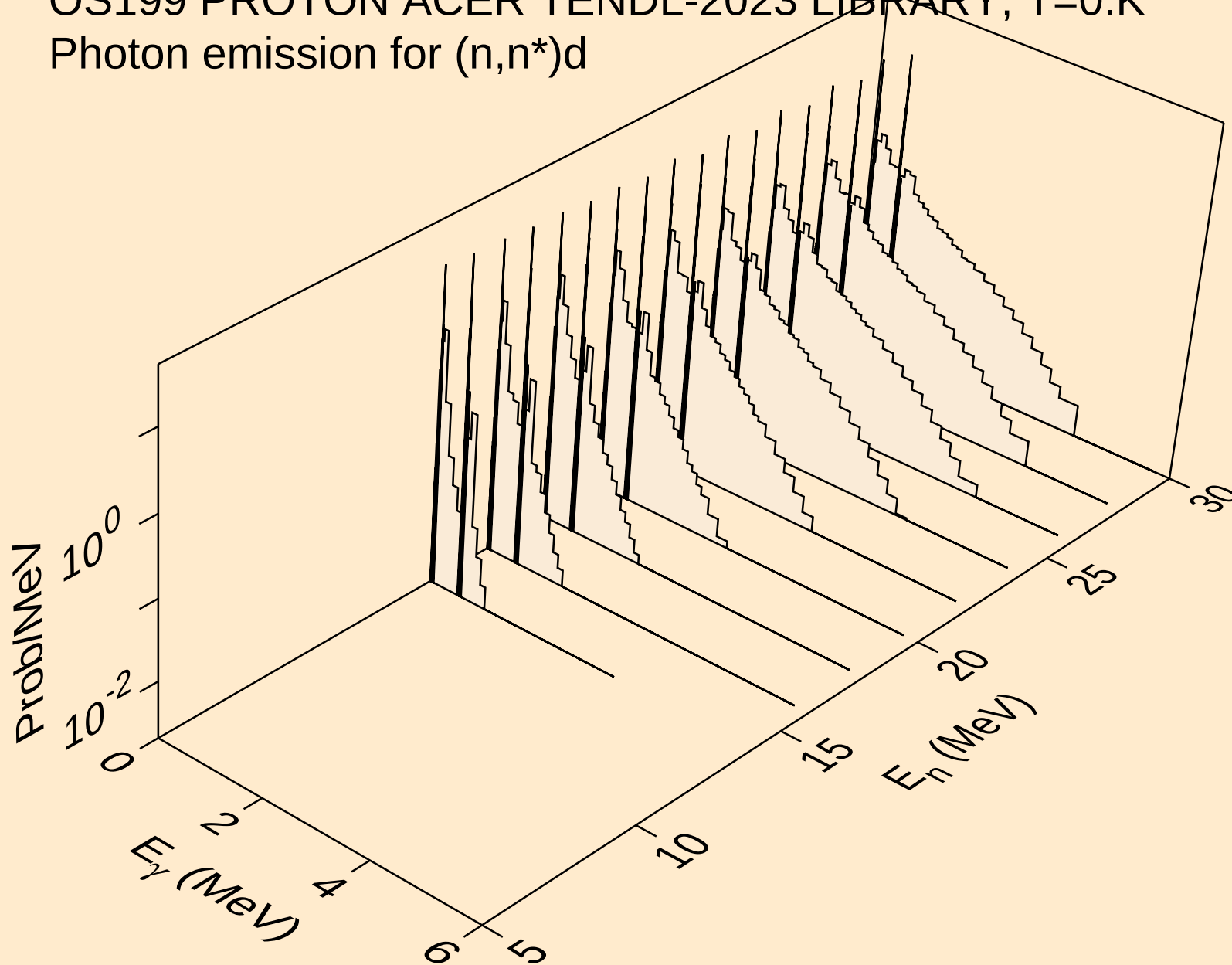
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)p



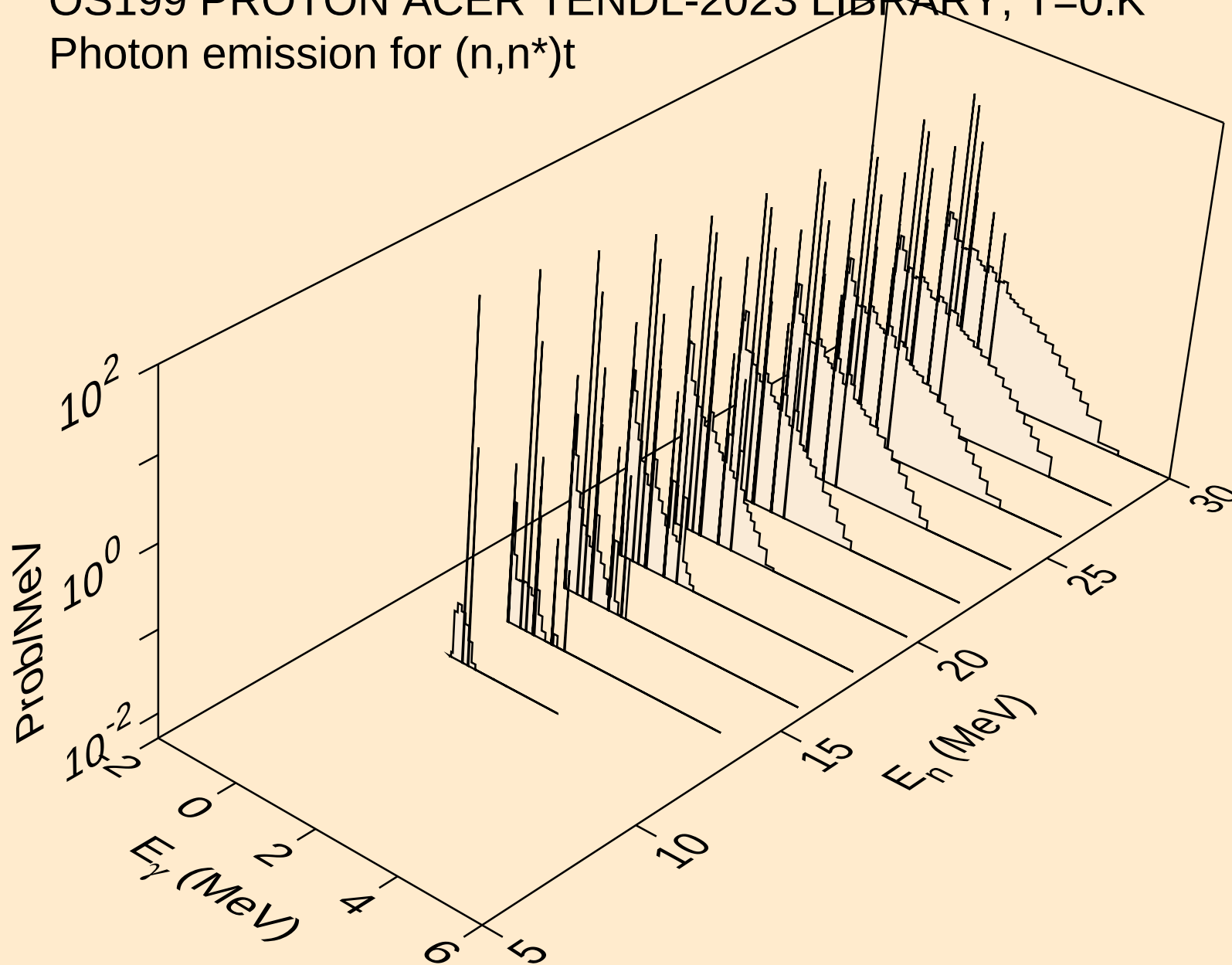
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)d

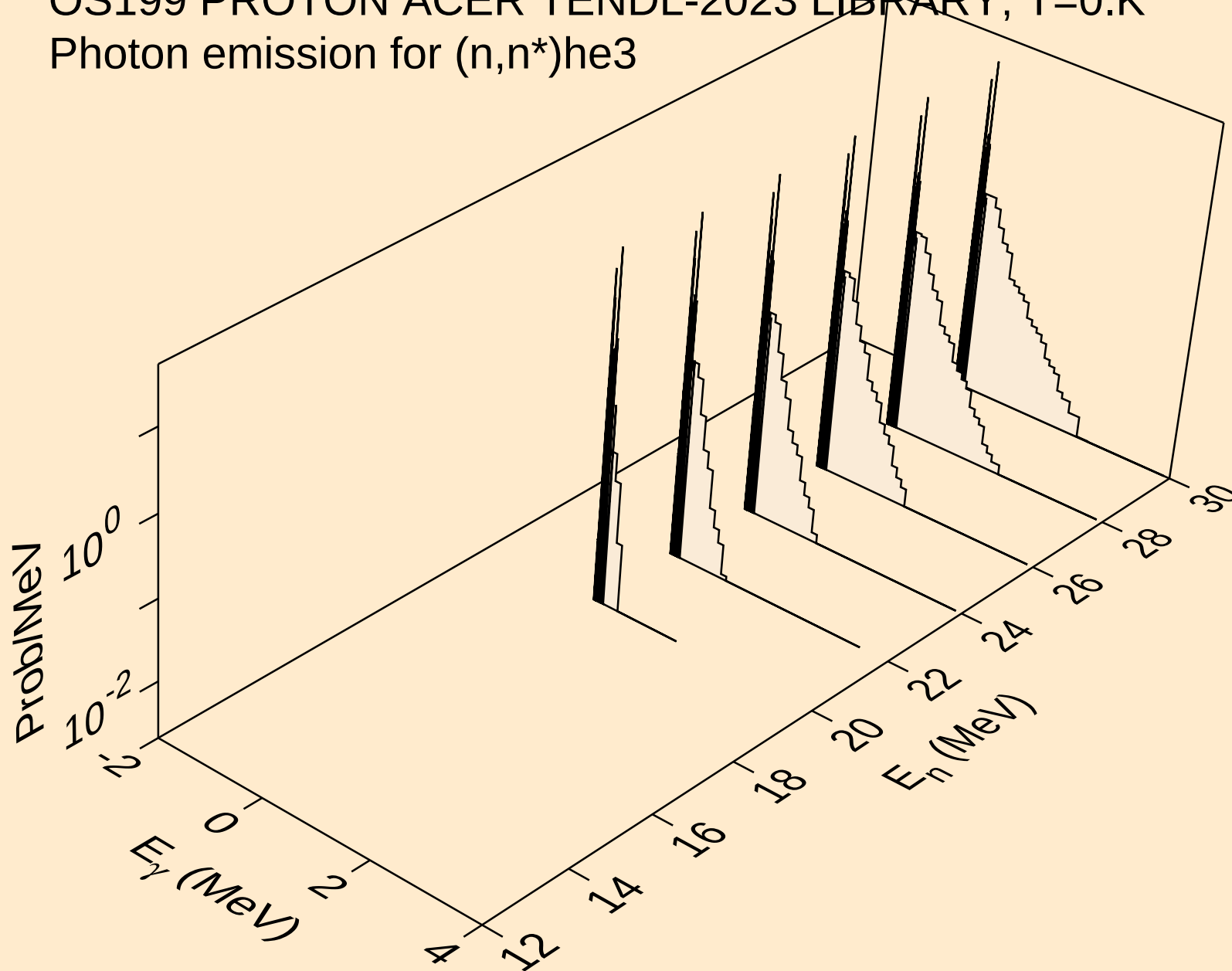


OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K

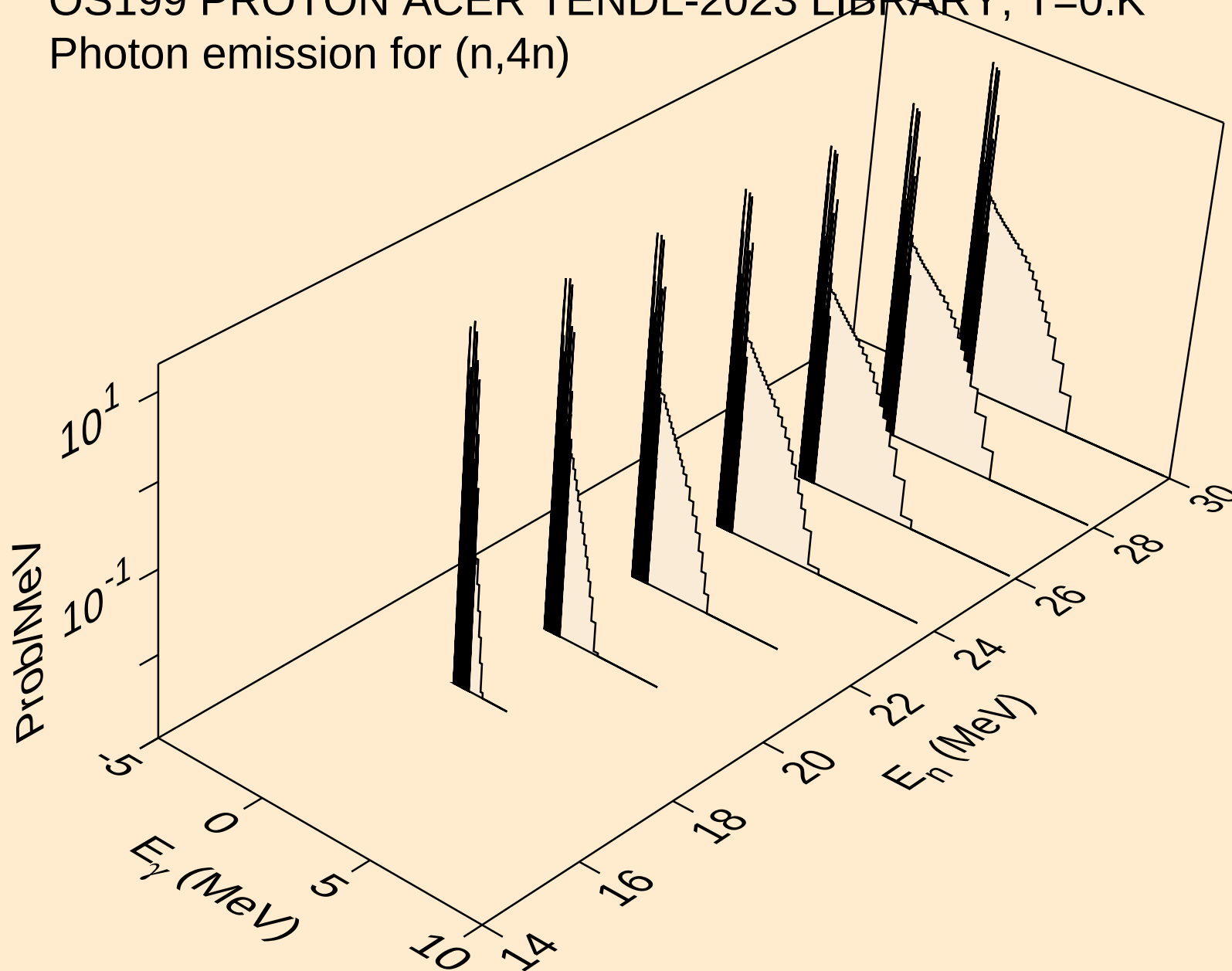
Photon emission for (n,n\*)t



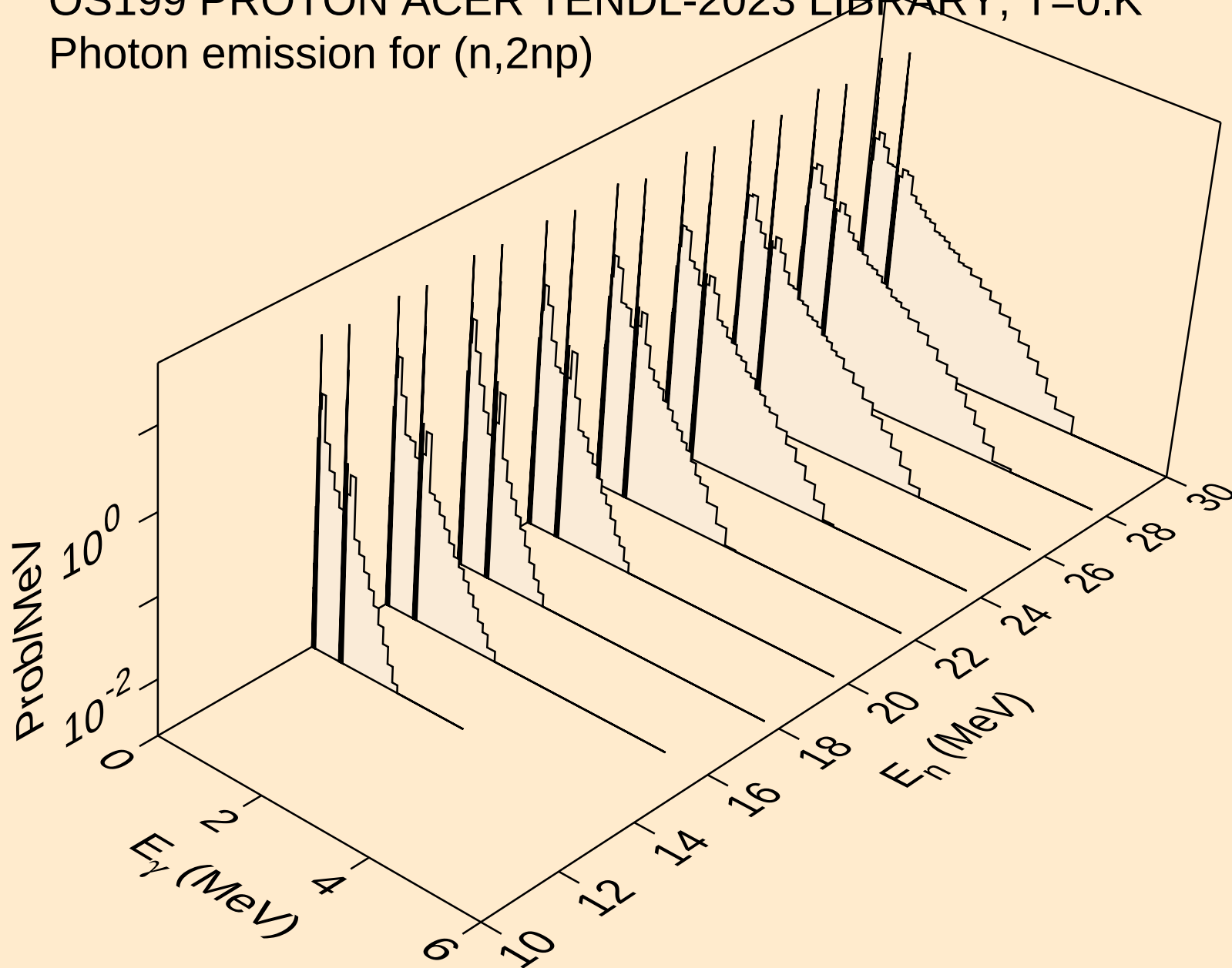
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



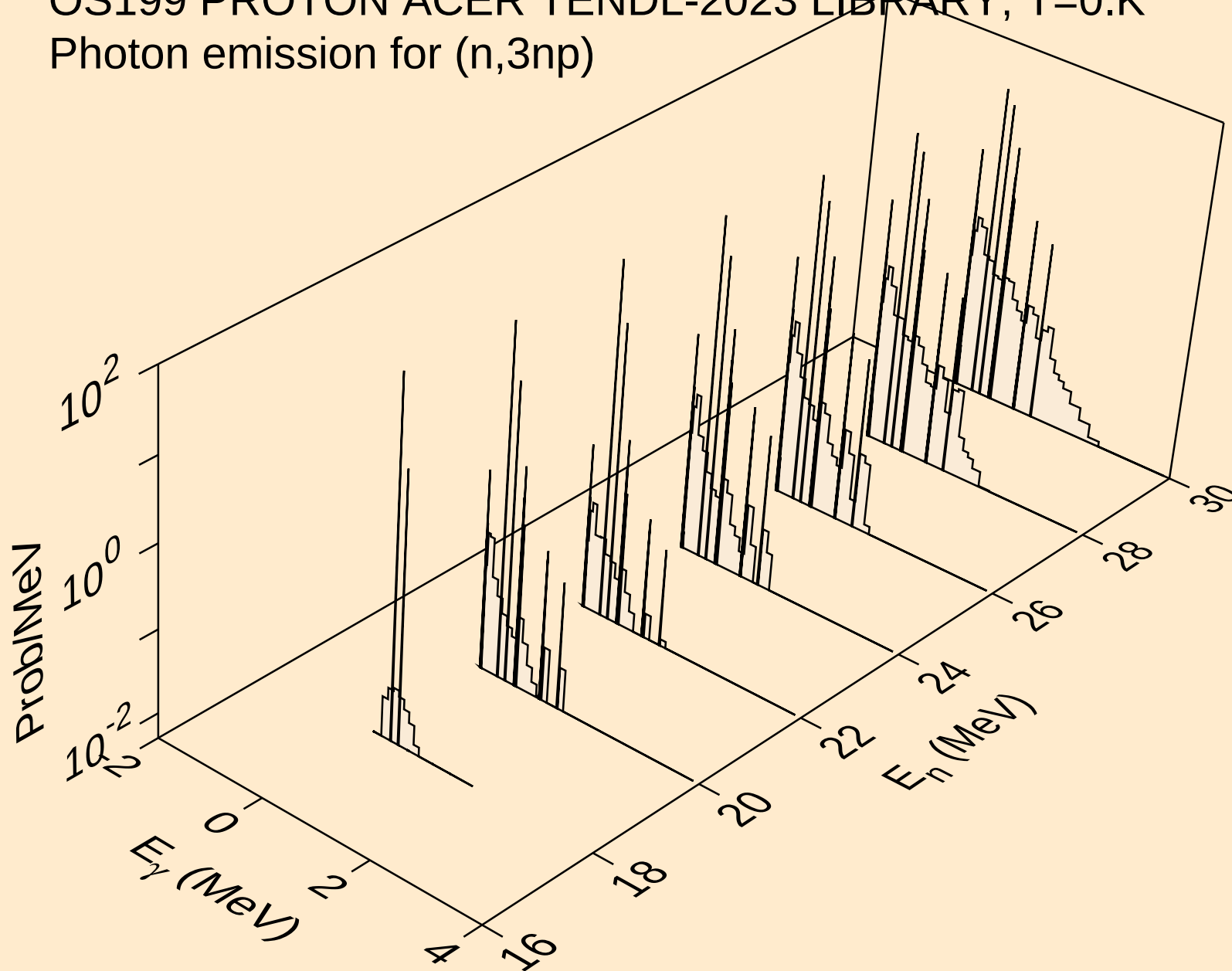
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

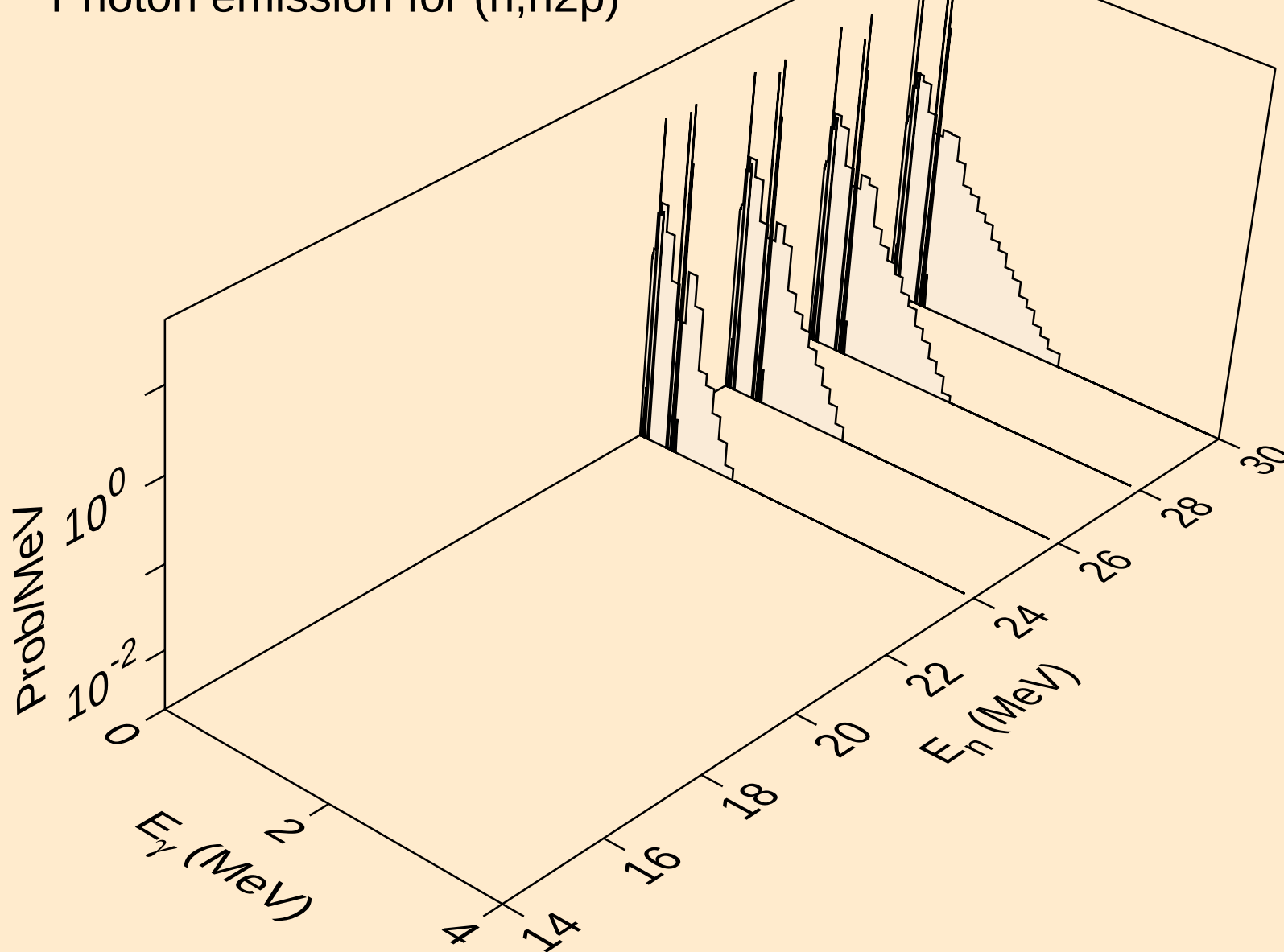


OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)

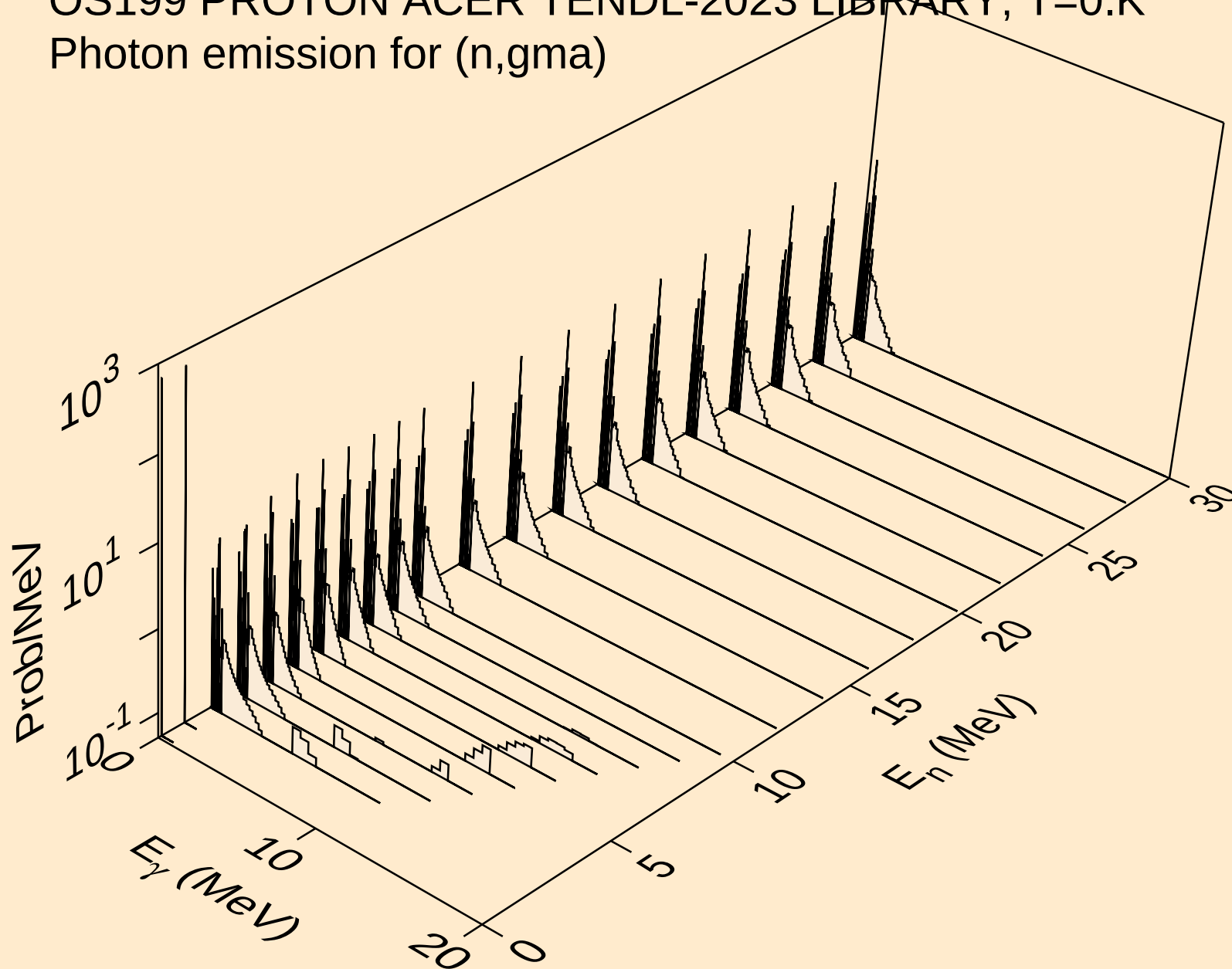




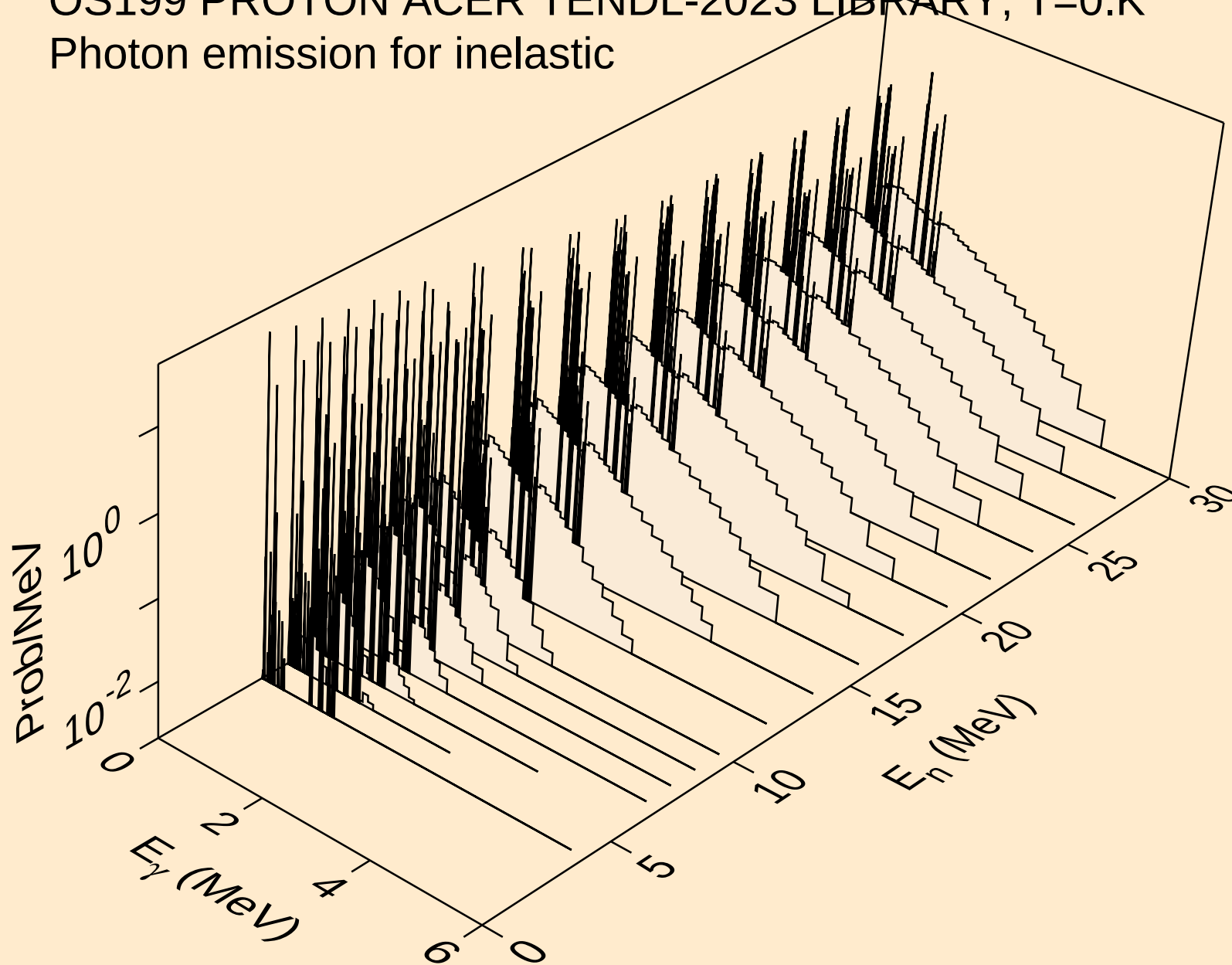
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



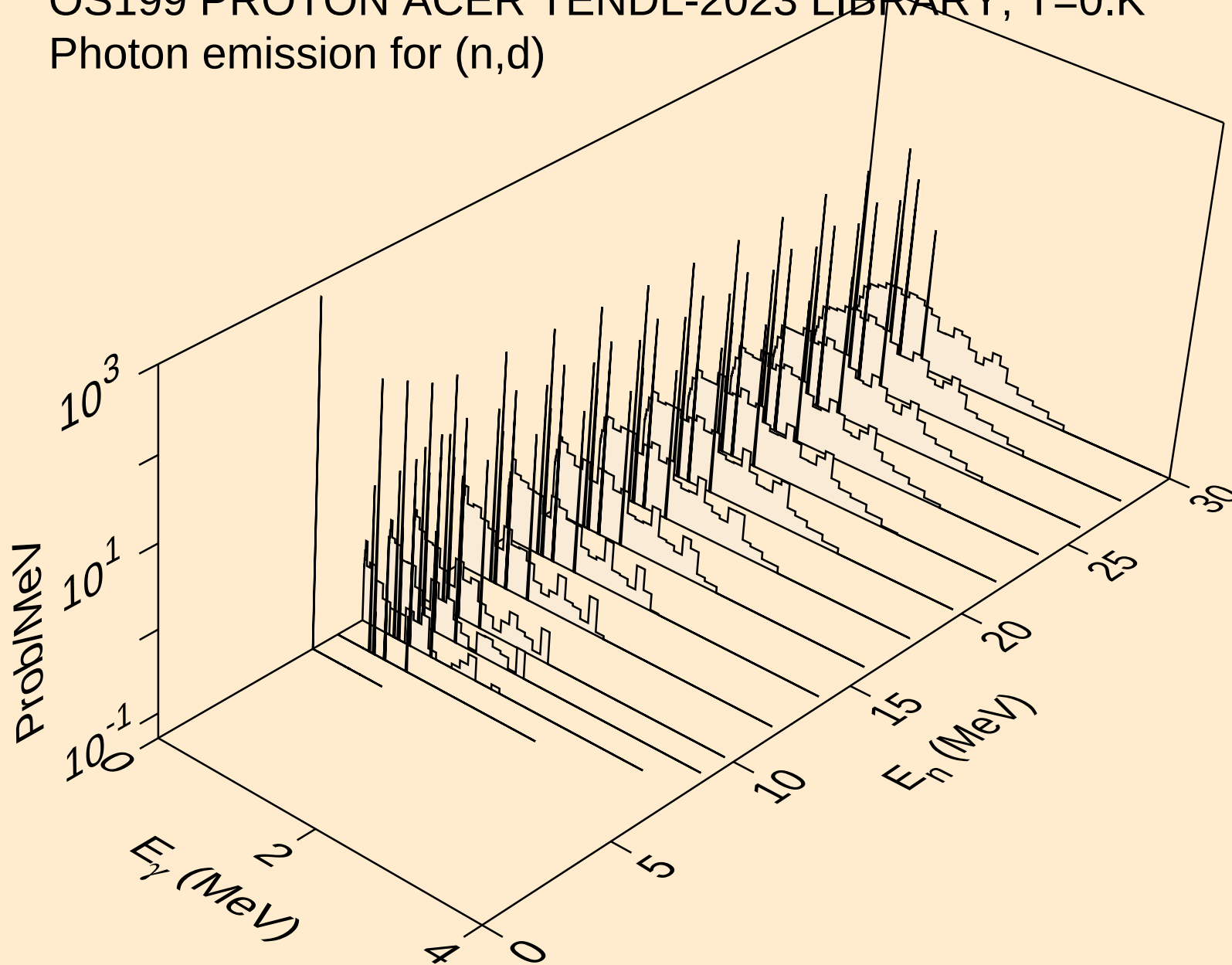
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



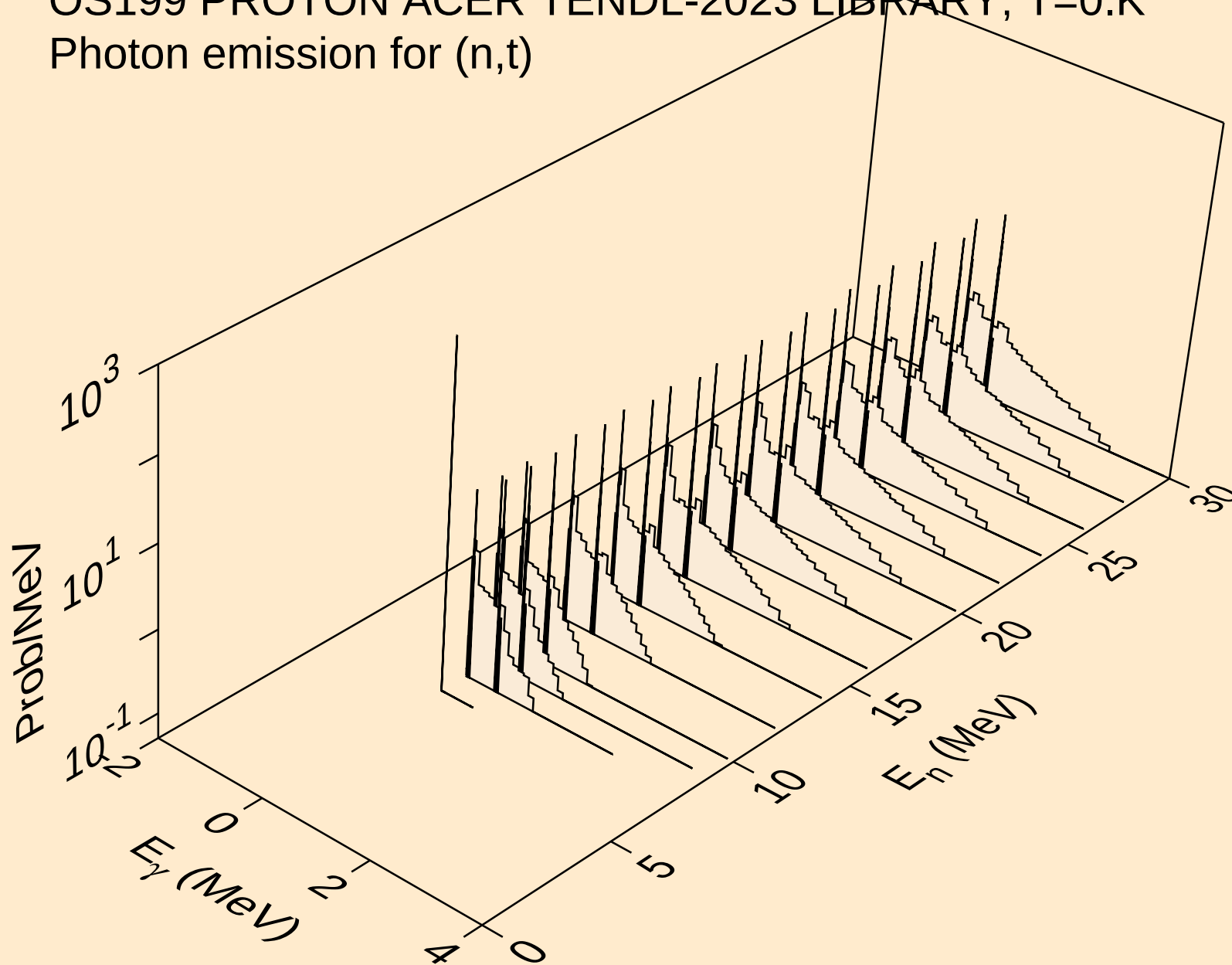
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



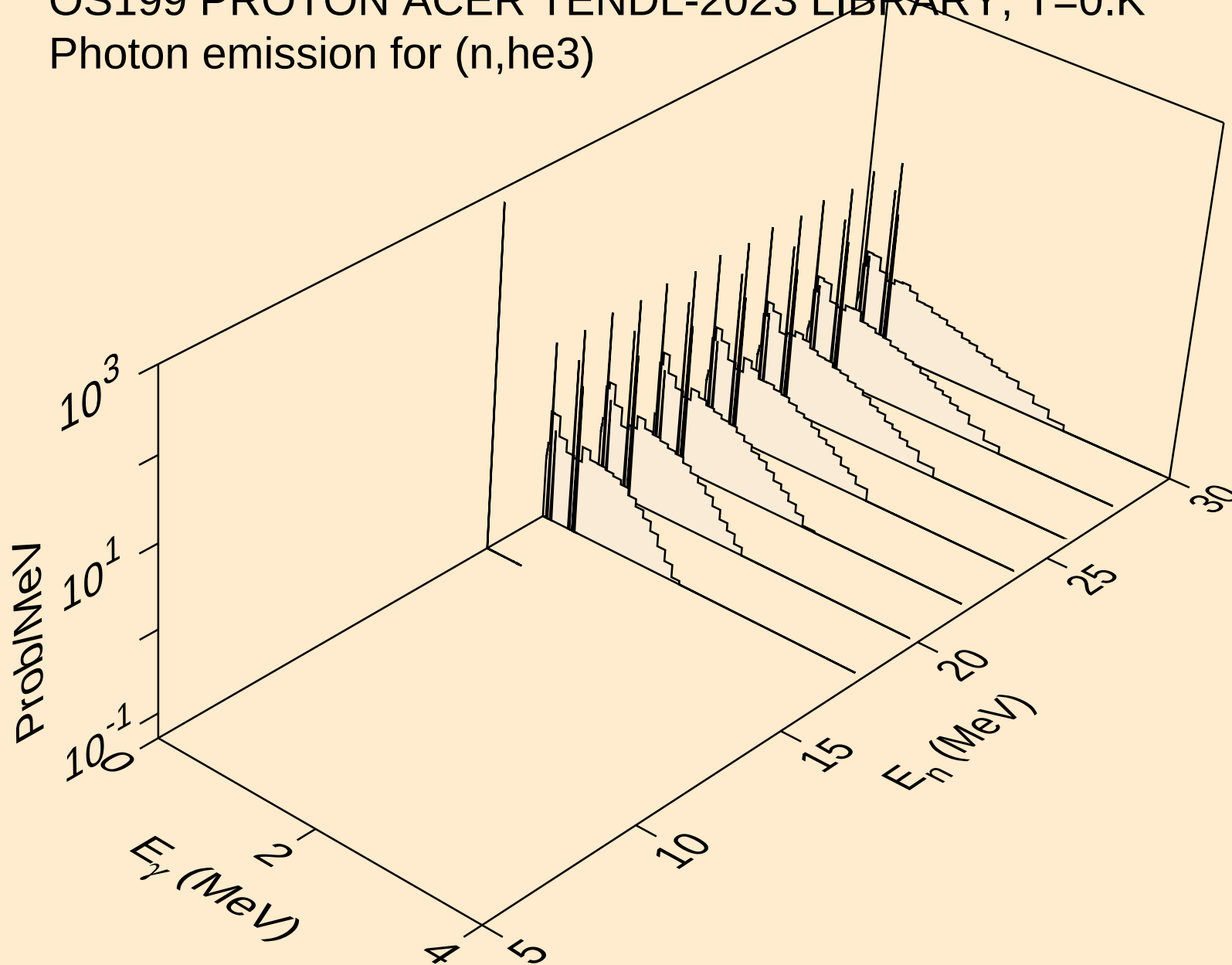
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Photon emission for (n,d)



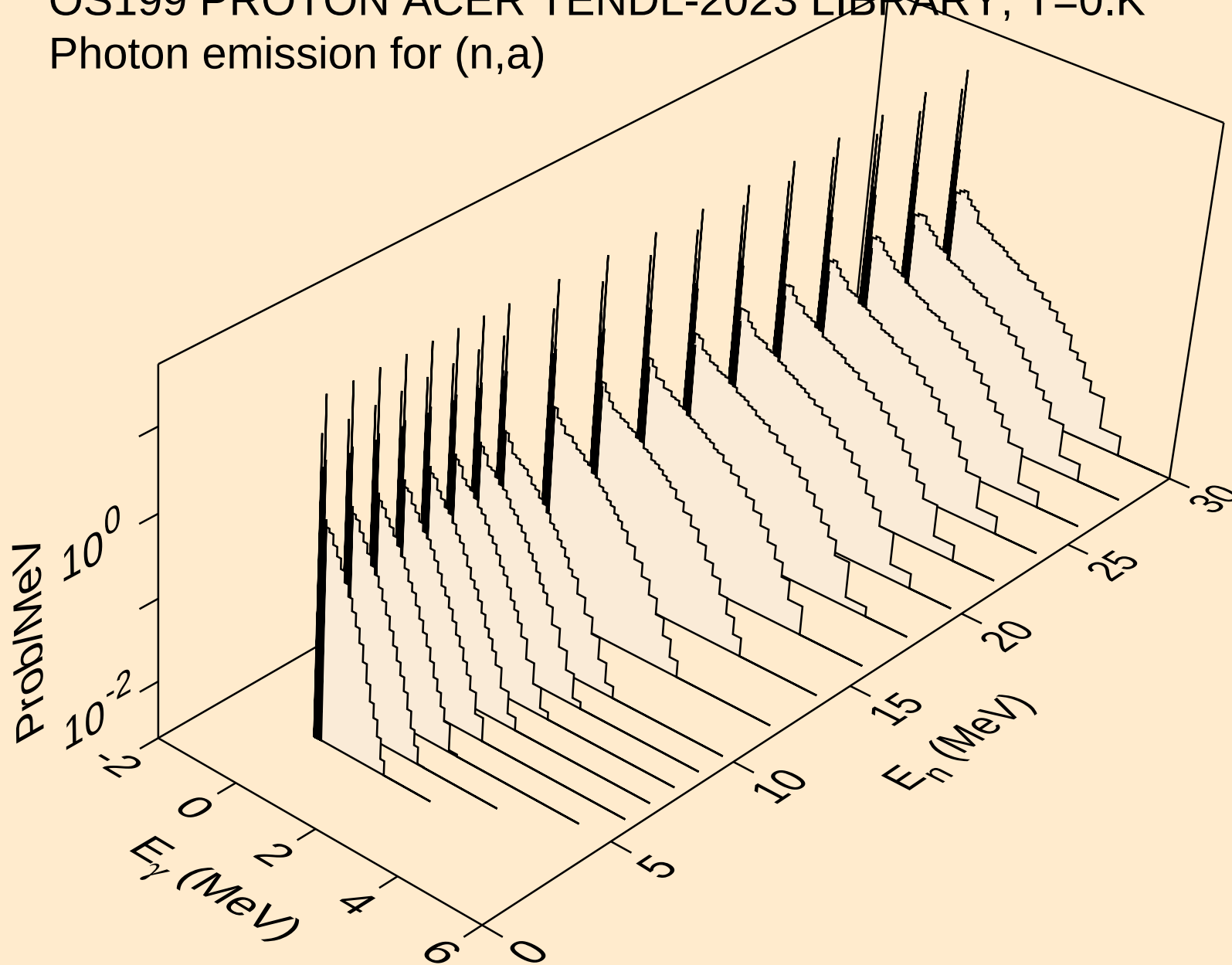
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



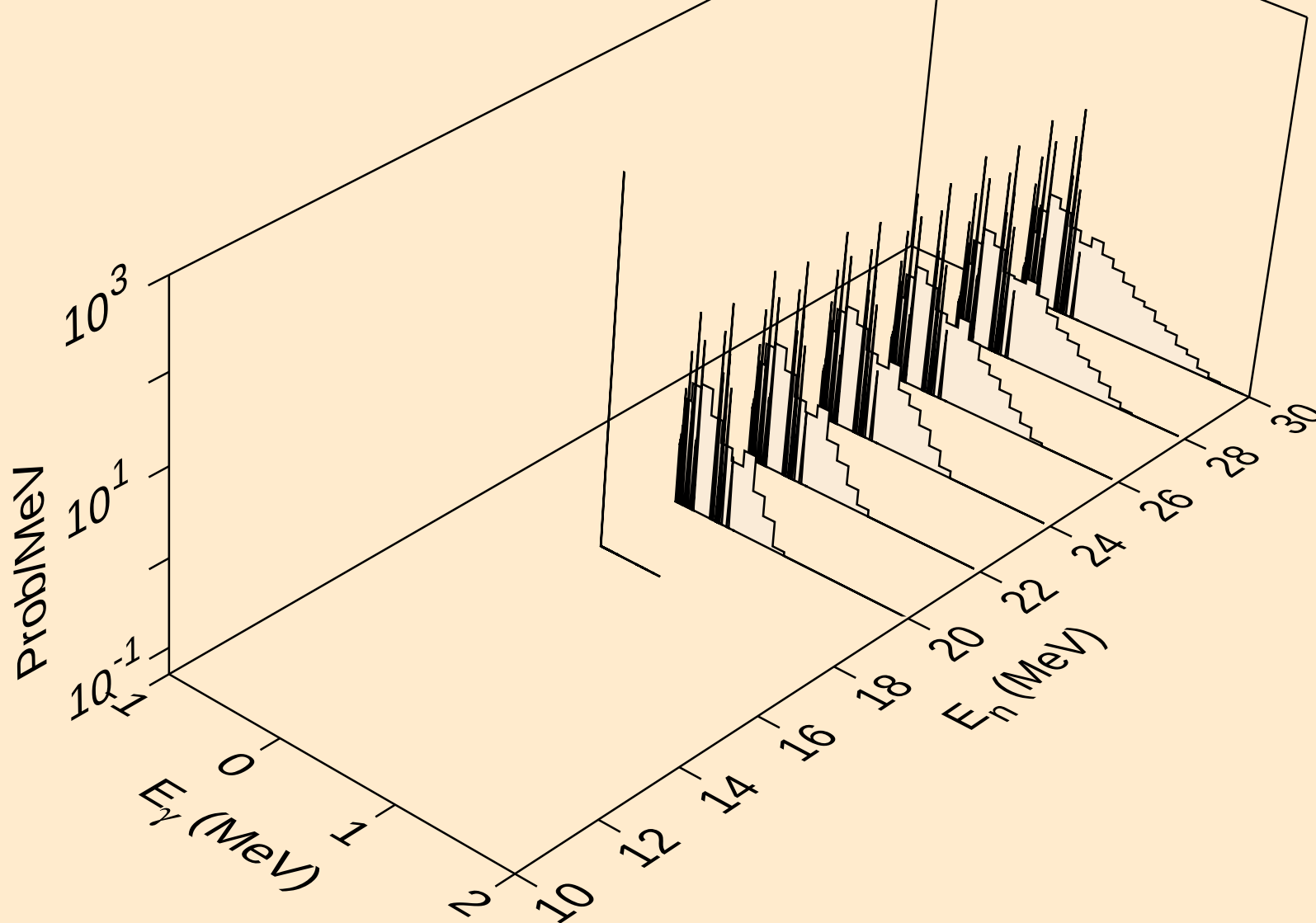
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



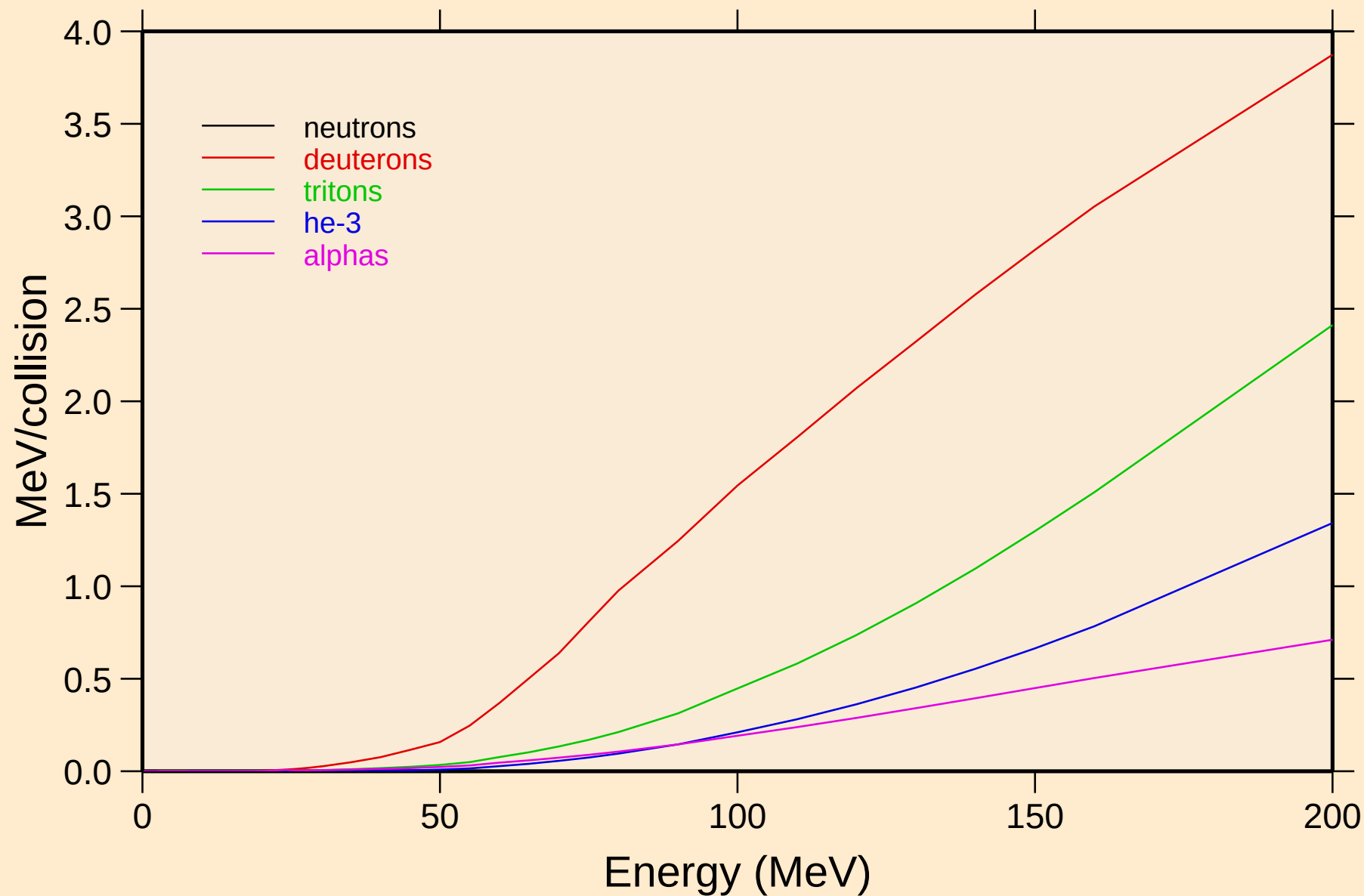
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)





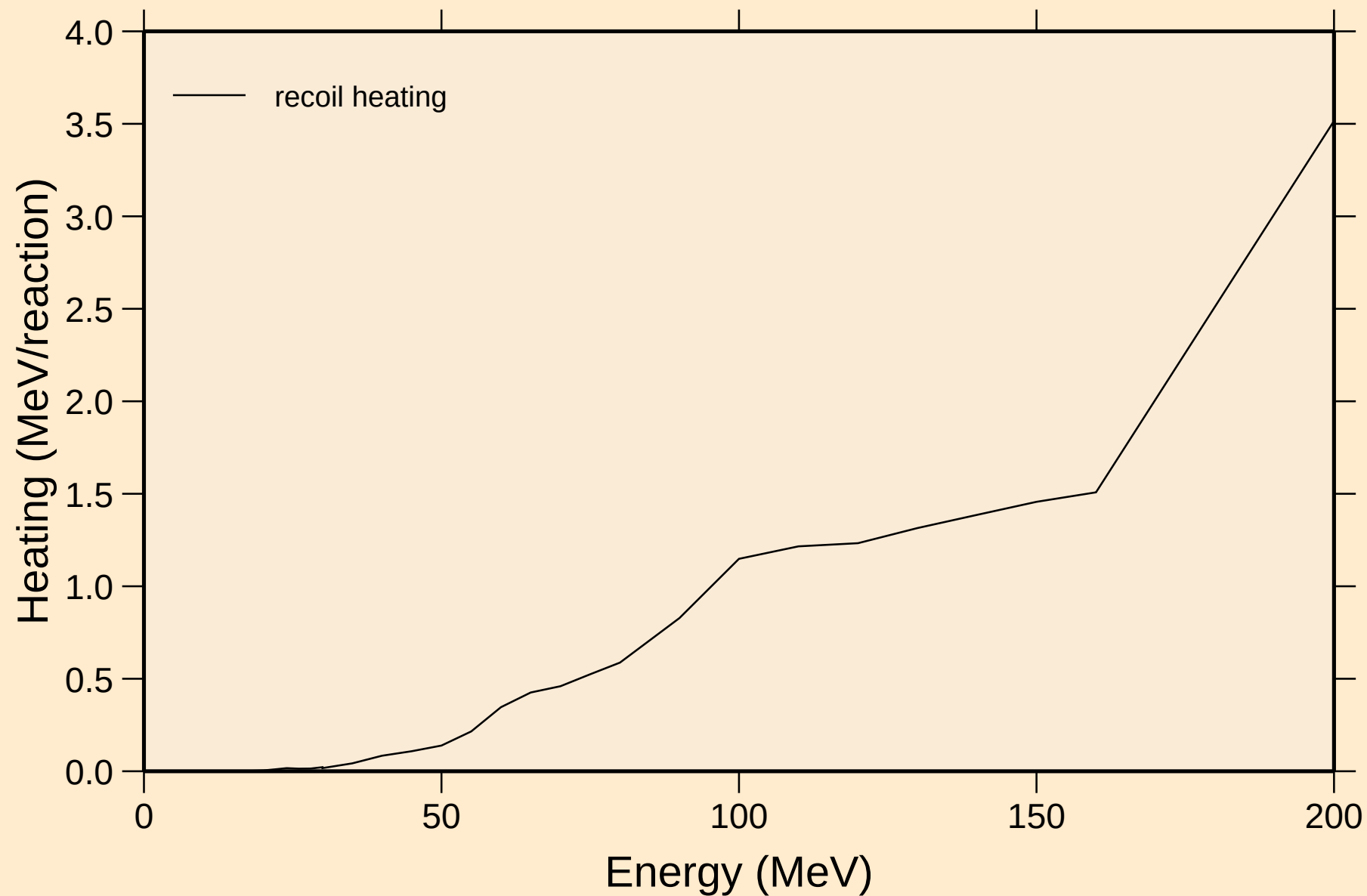
# OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions



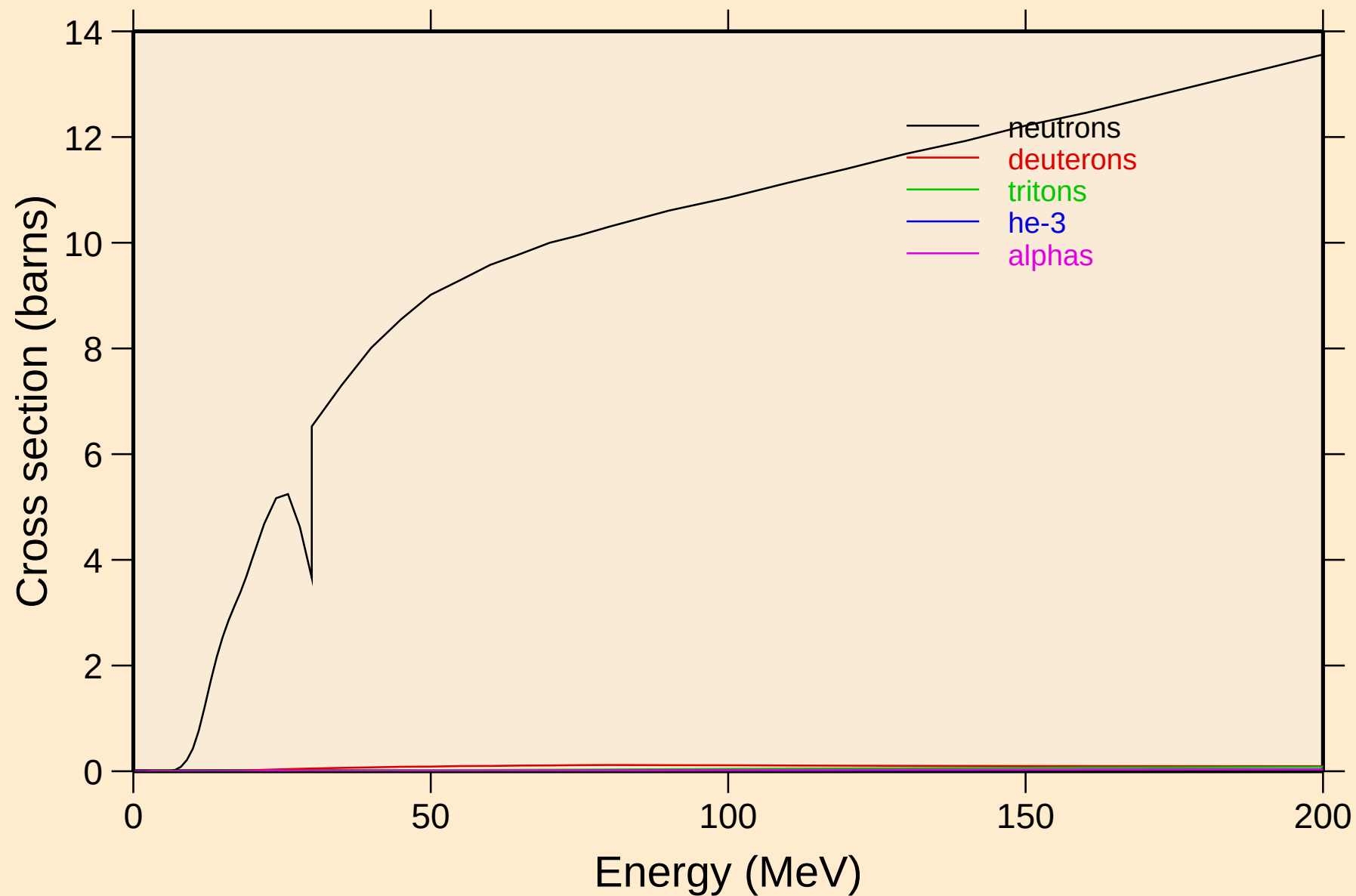
# OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Recoil Heating

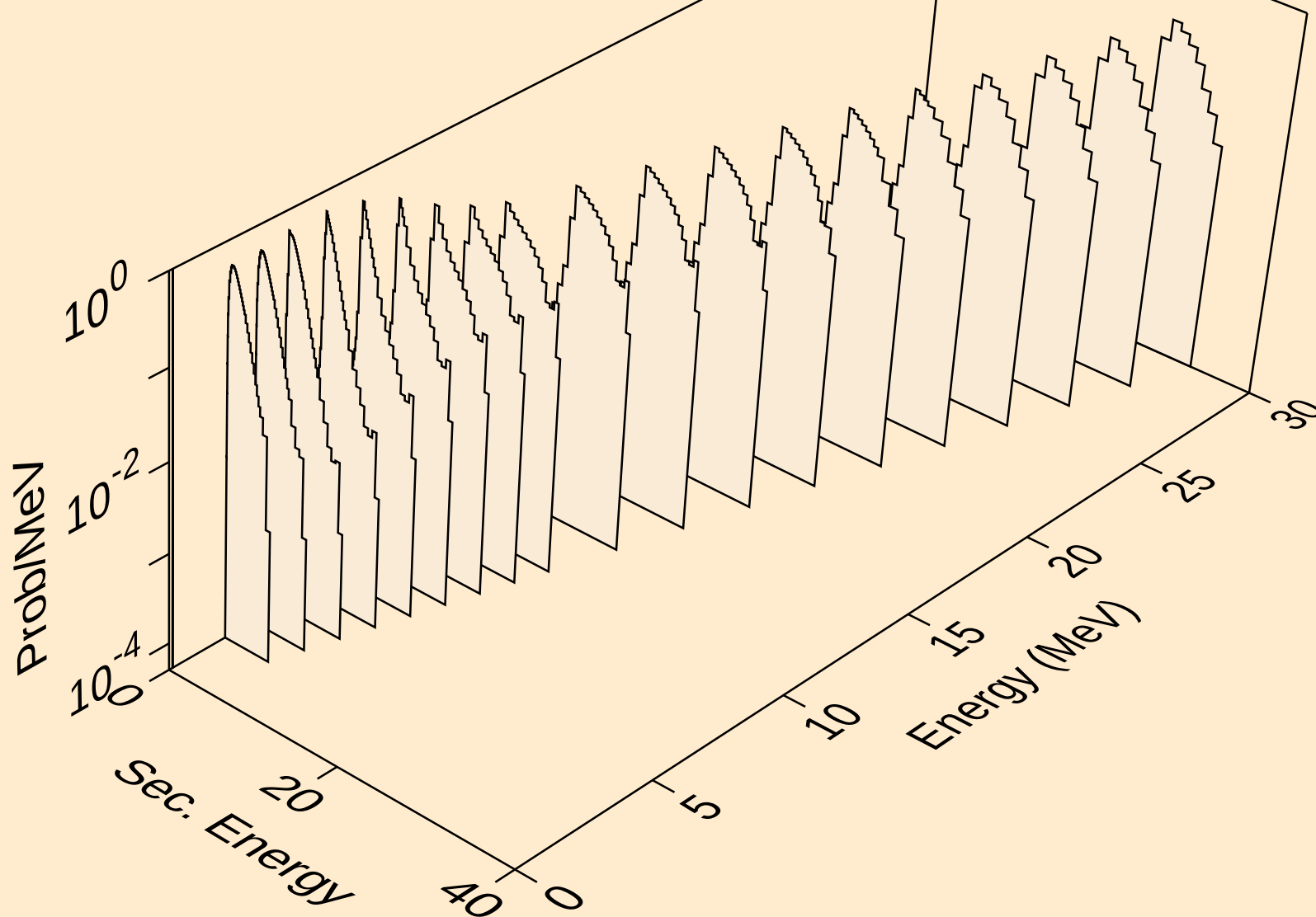


# OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K

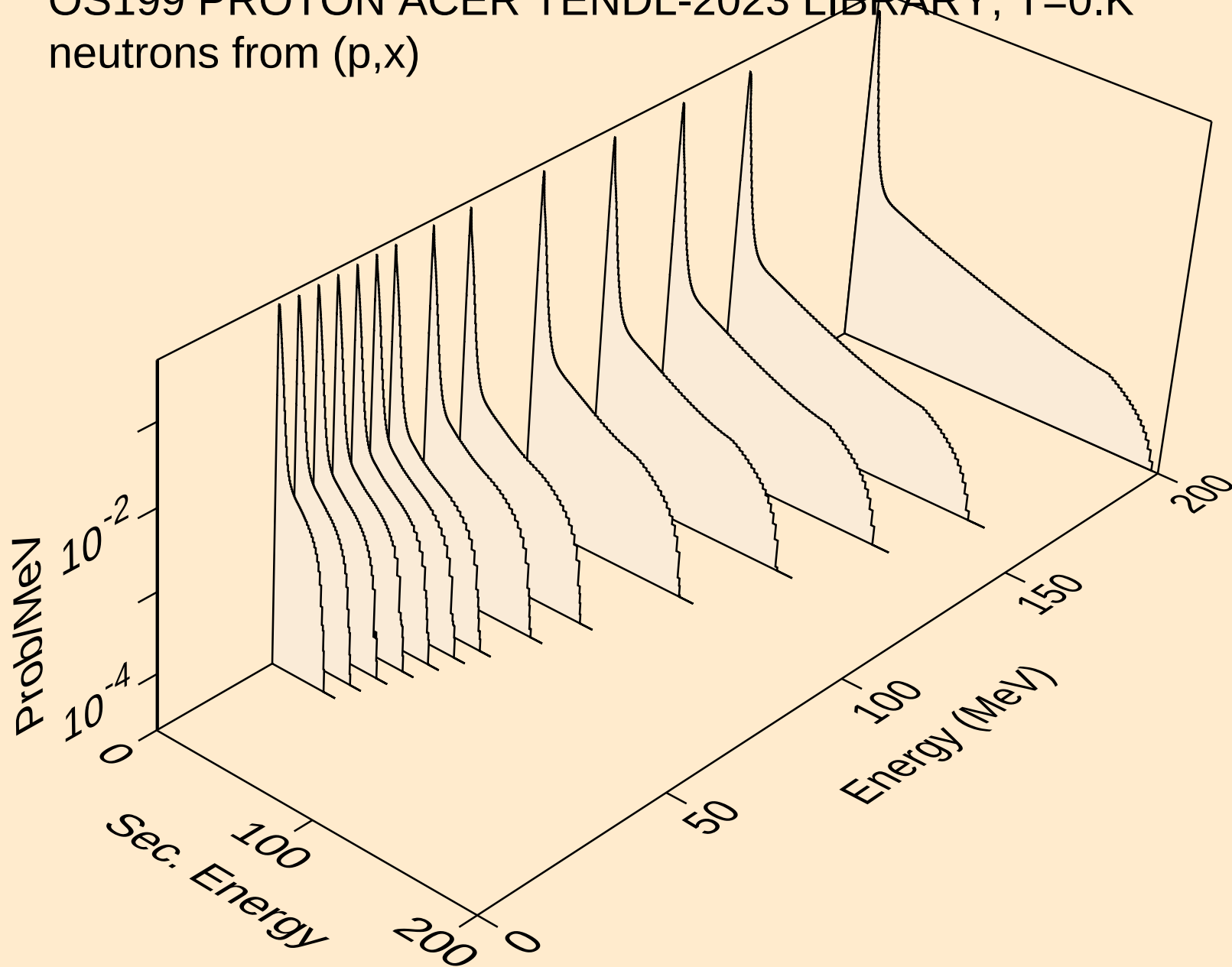
## Particle production cross sections



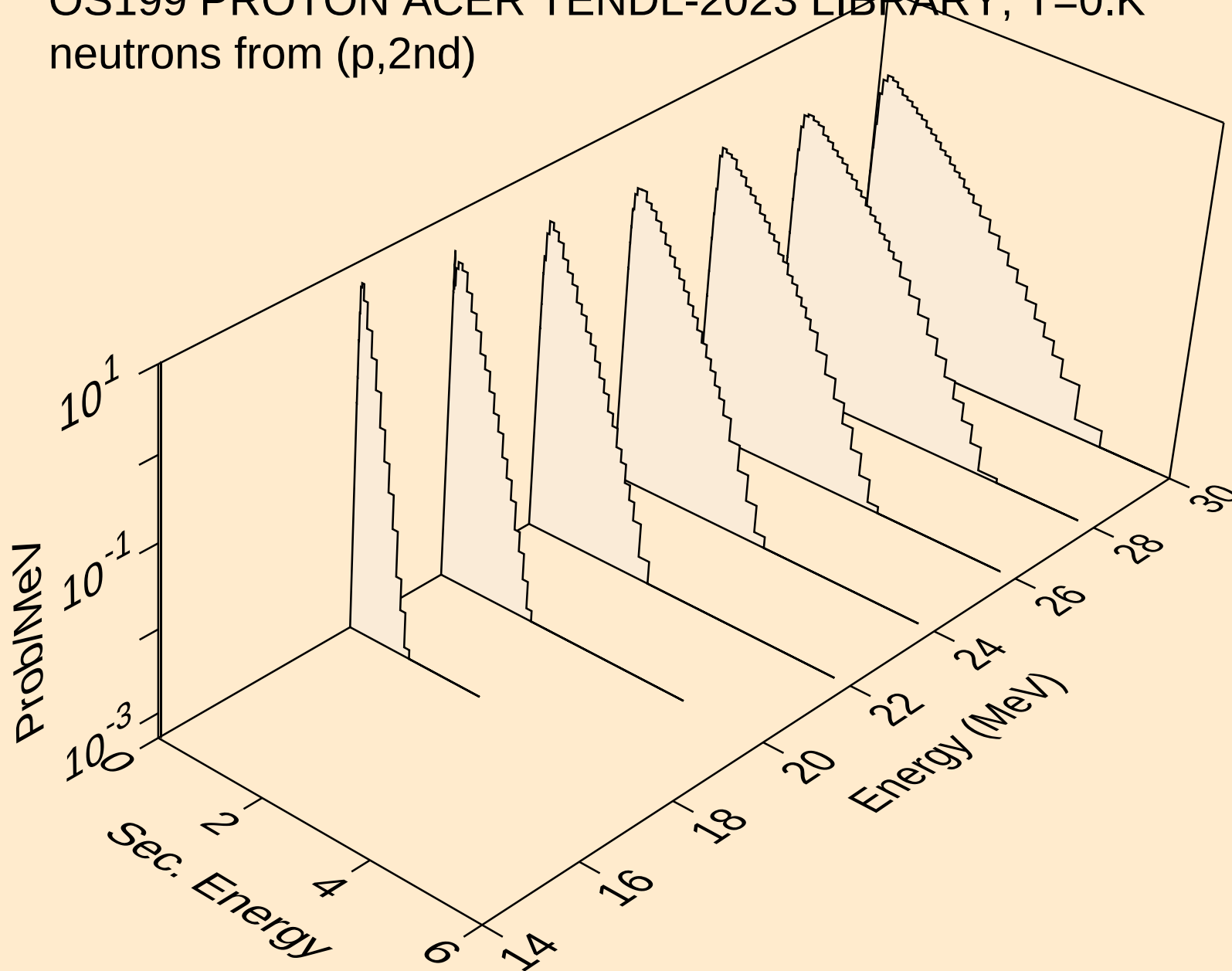
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)



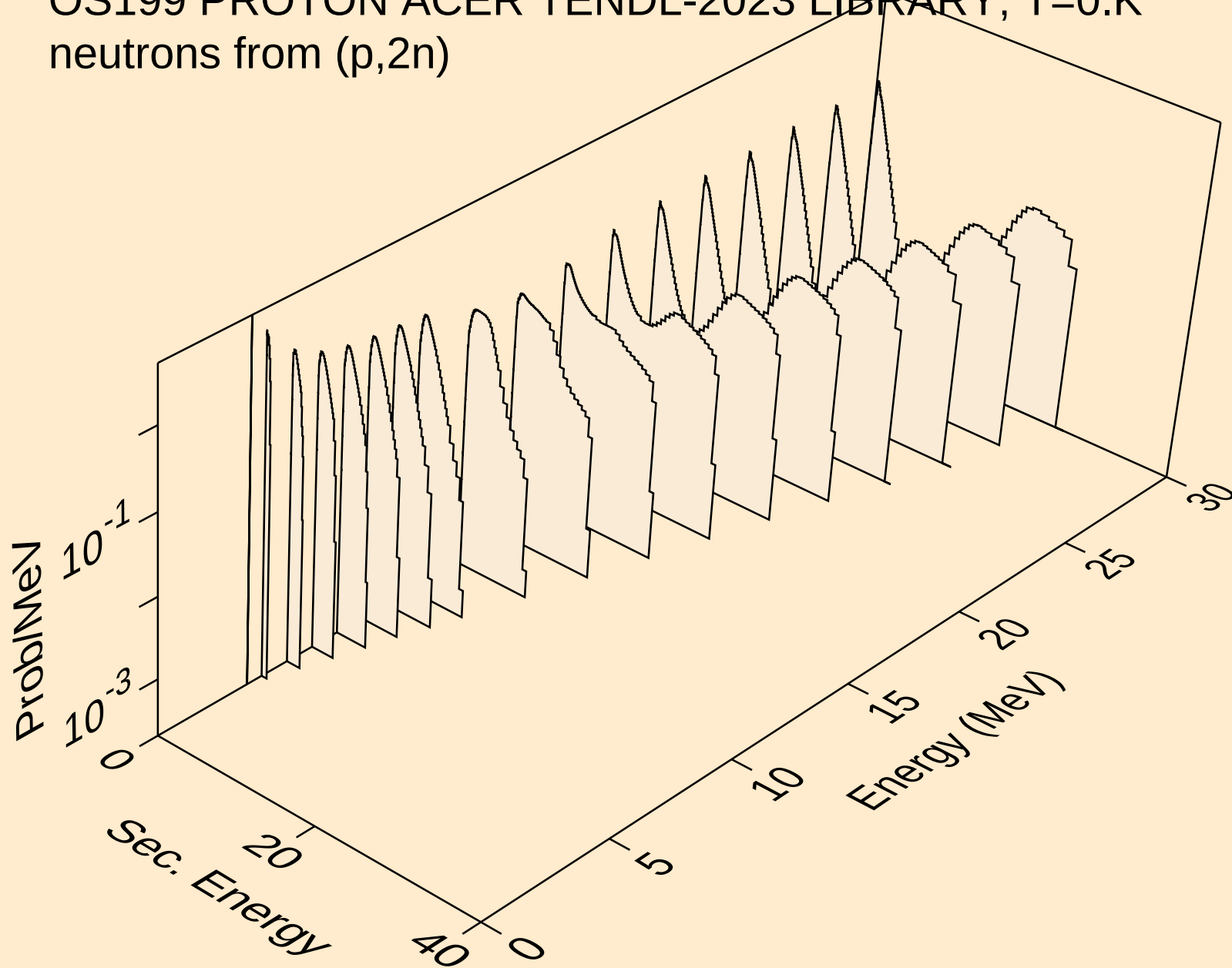
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,x)



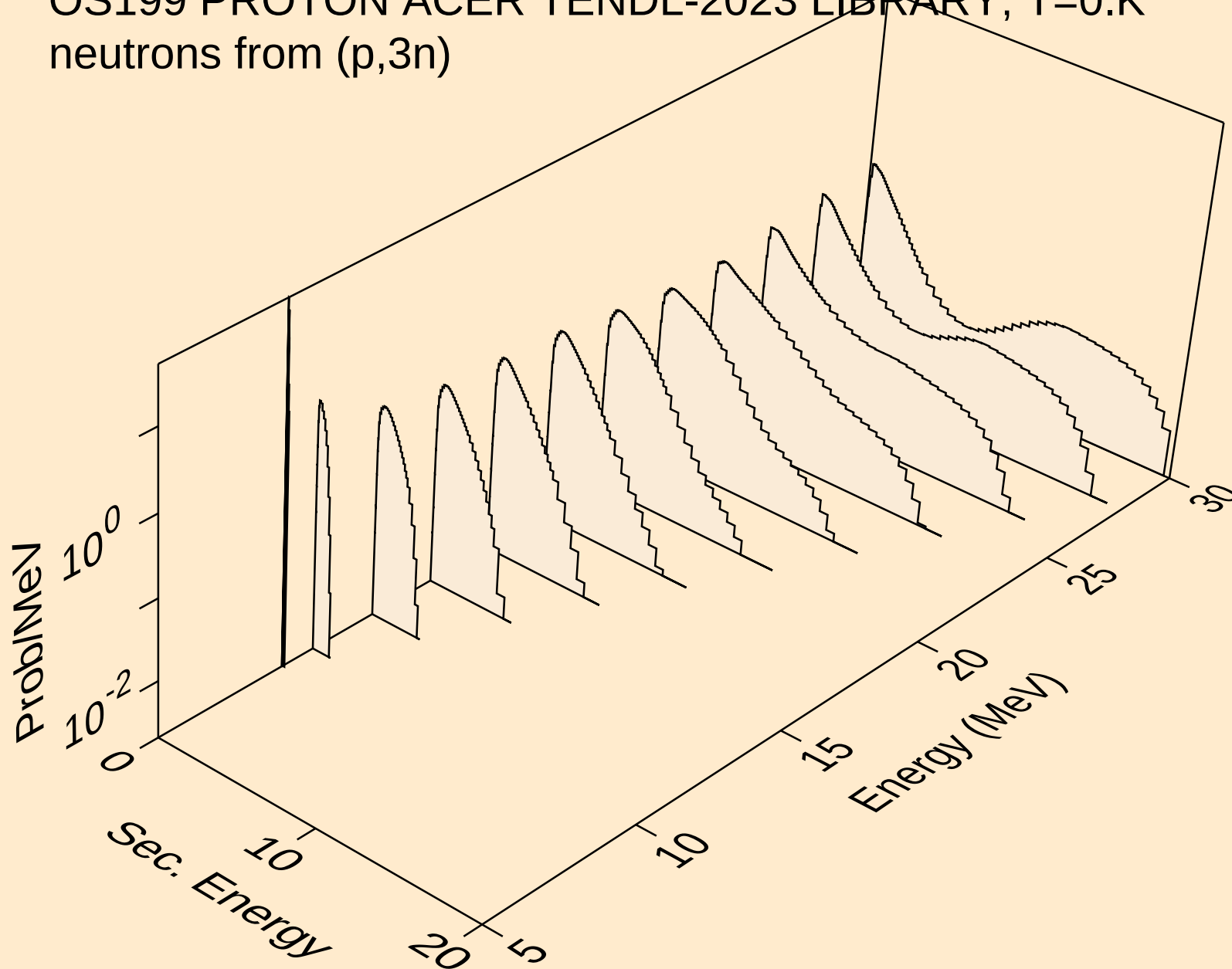
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2nd)



OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)

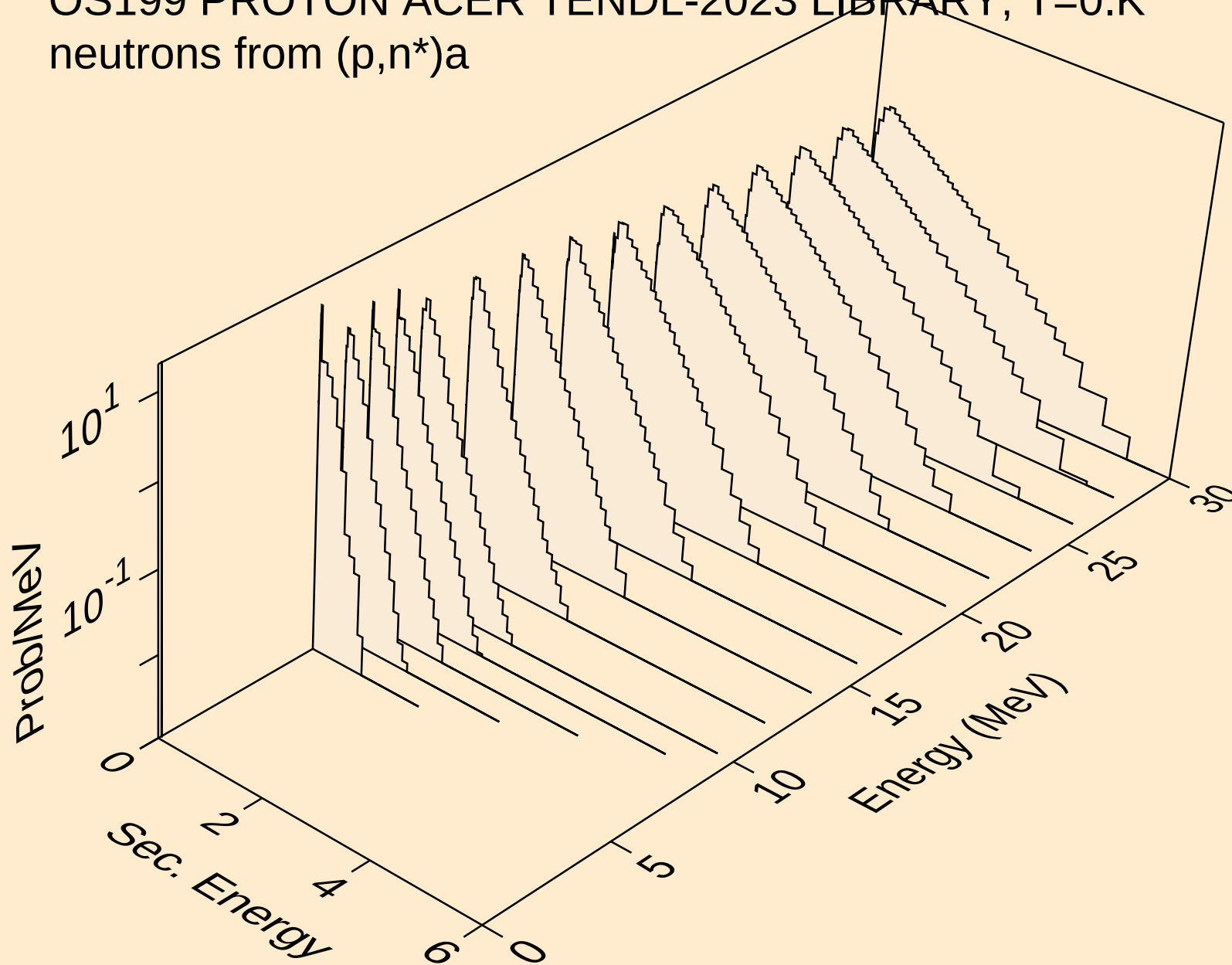


OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3n)

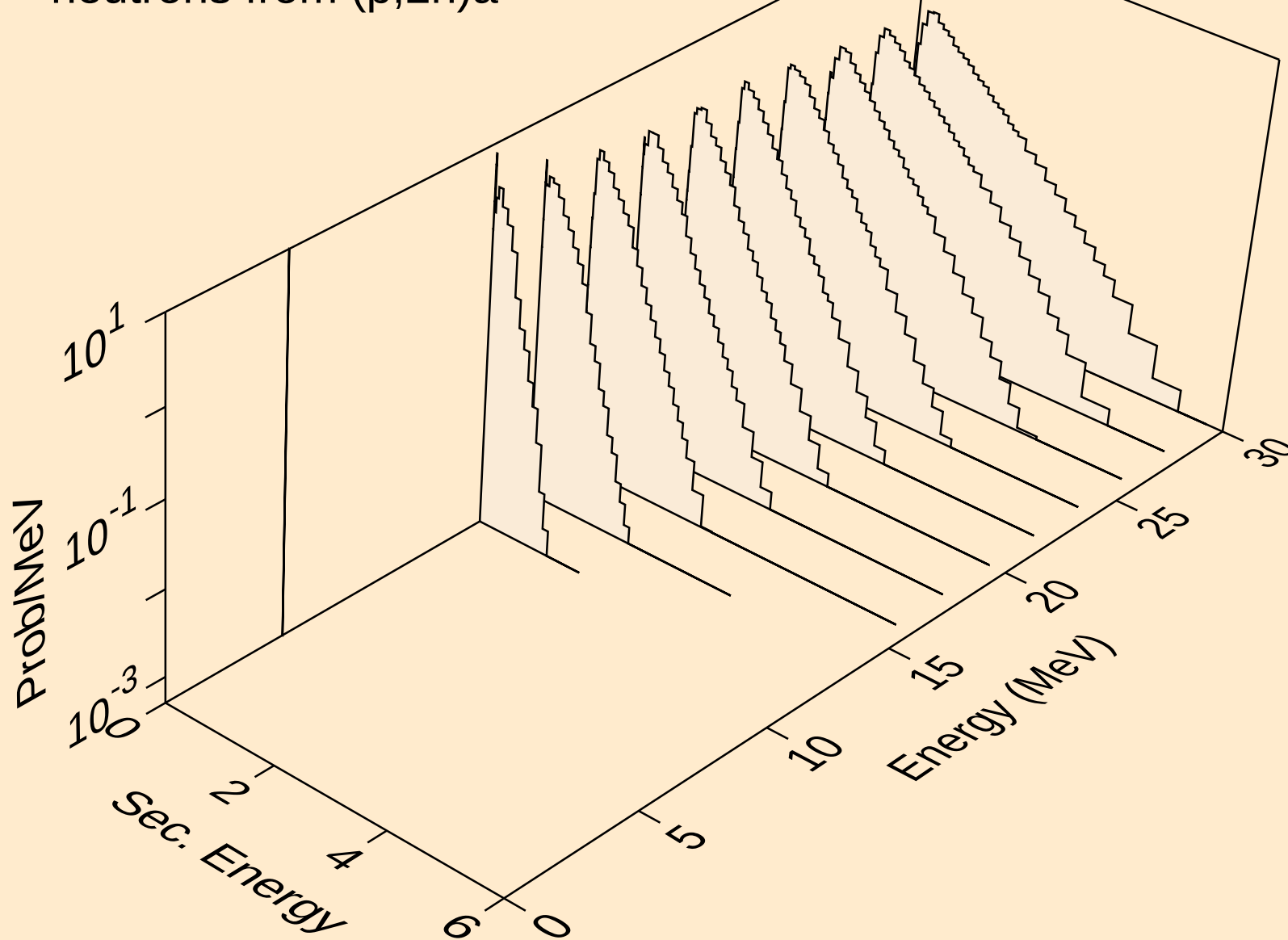




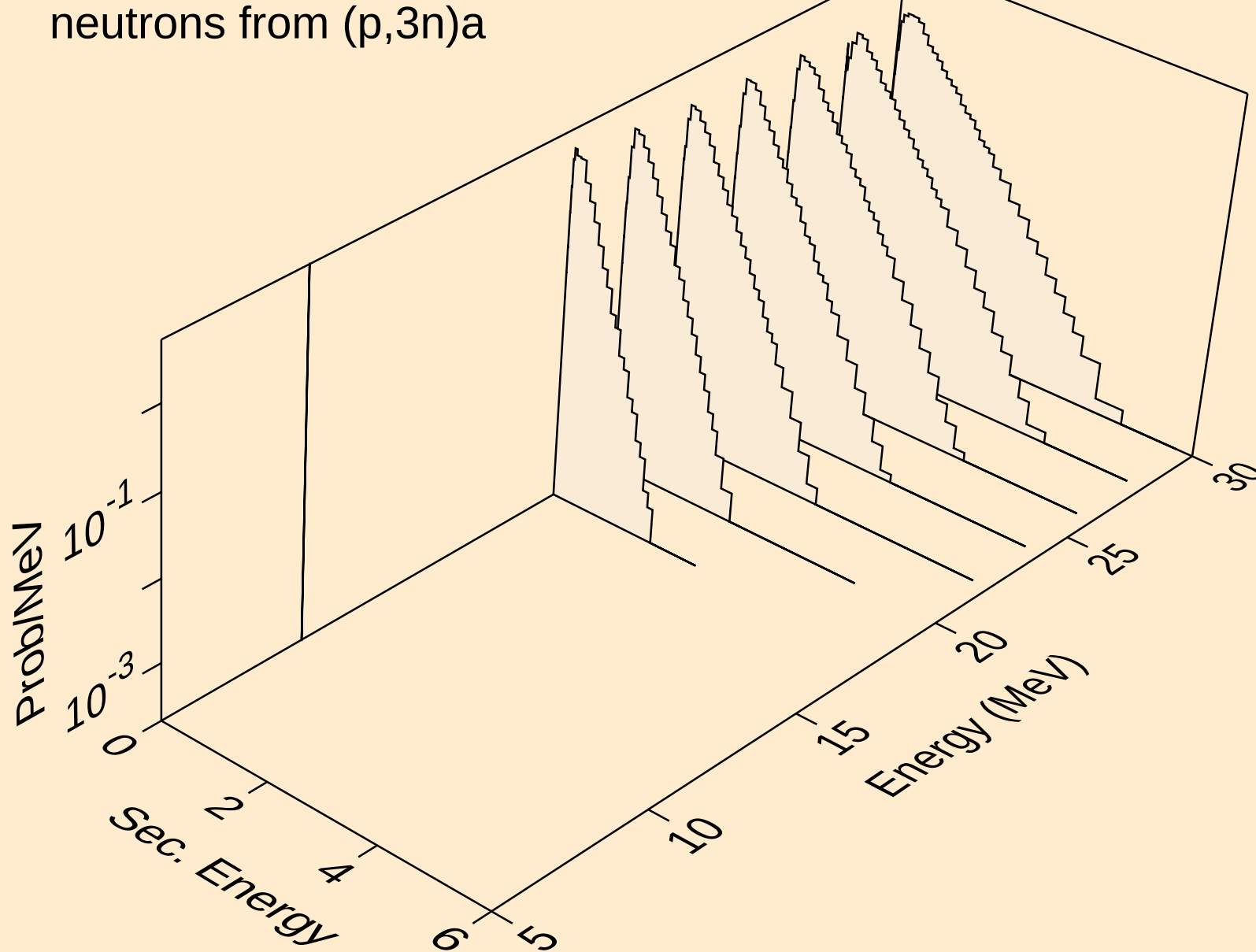
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)a



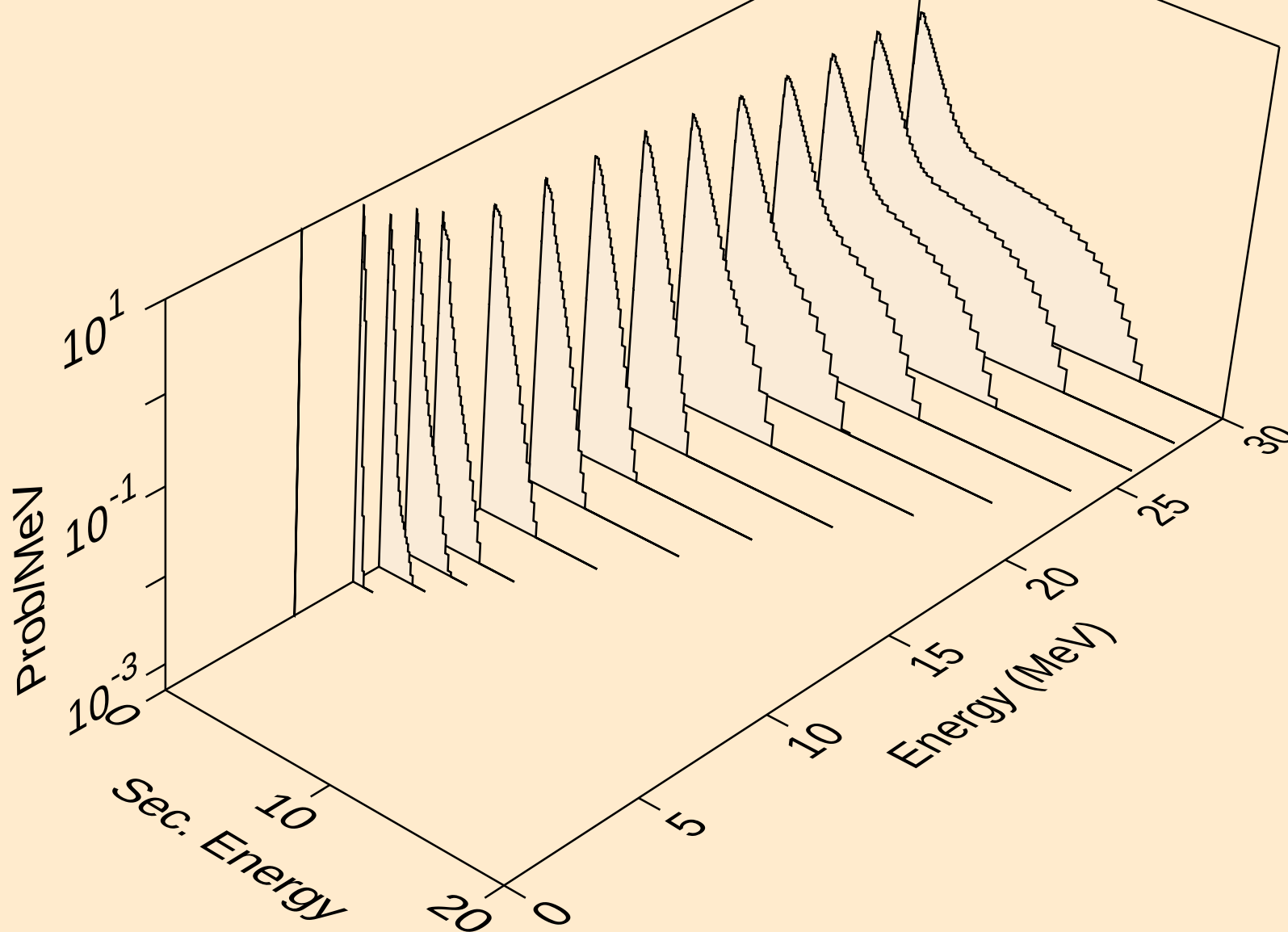
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)a



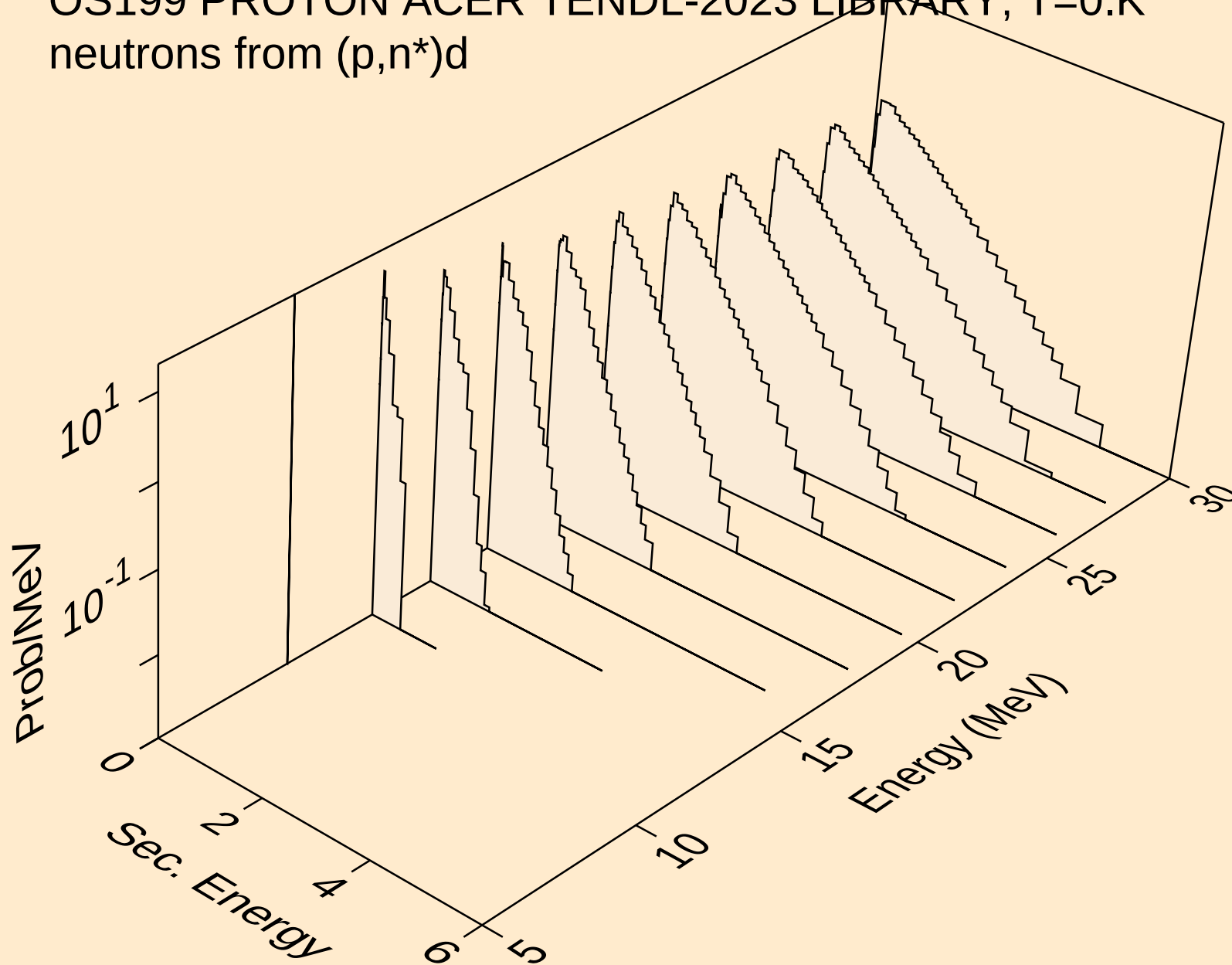
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3n)a



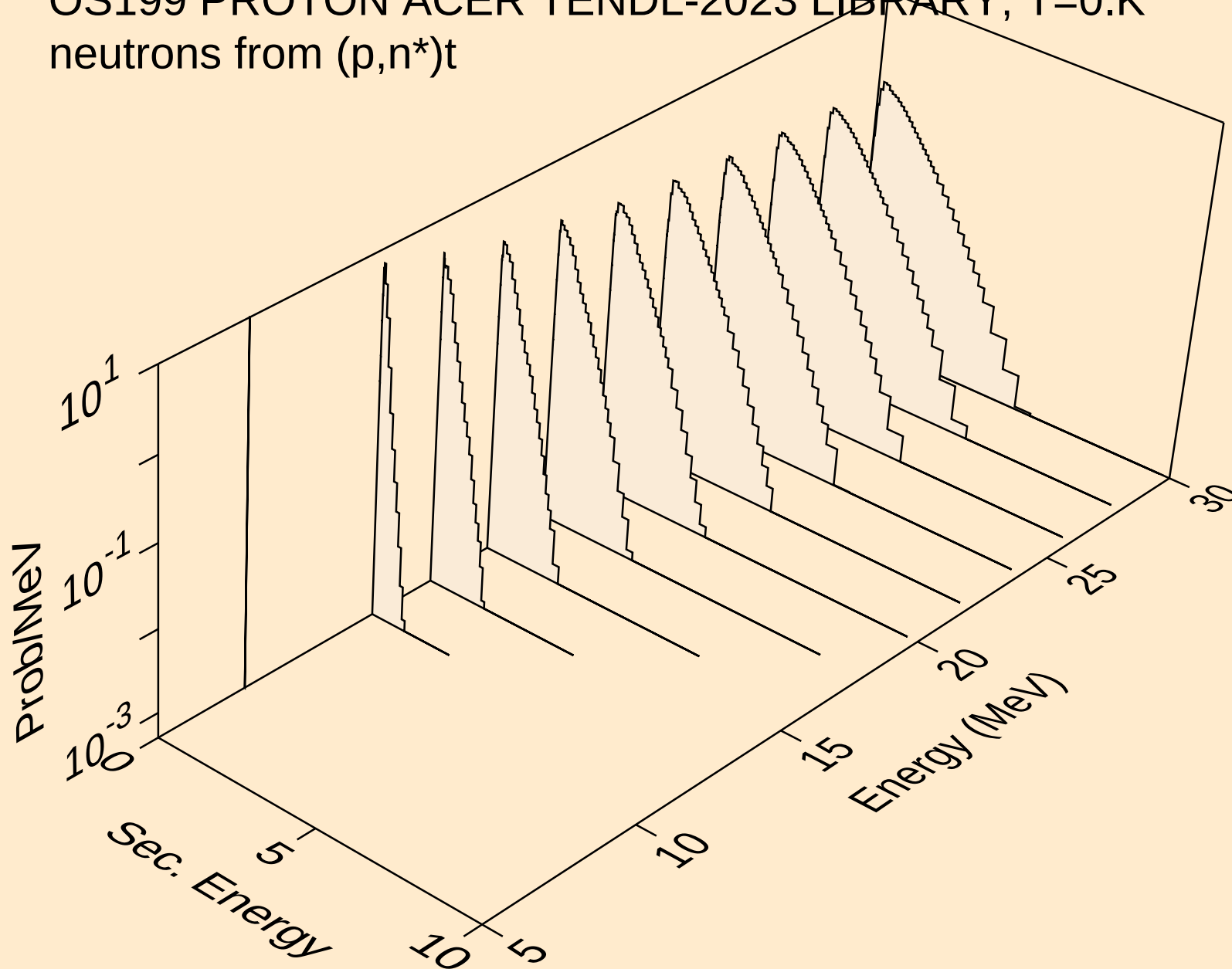
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)p



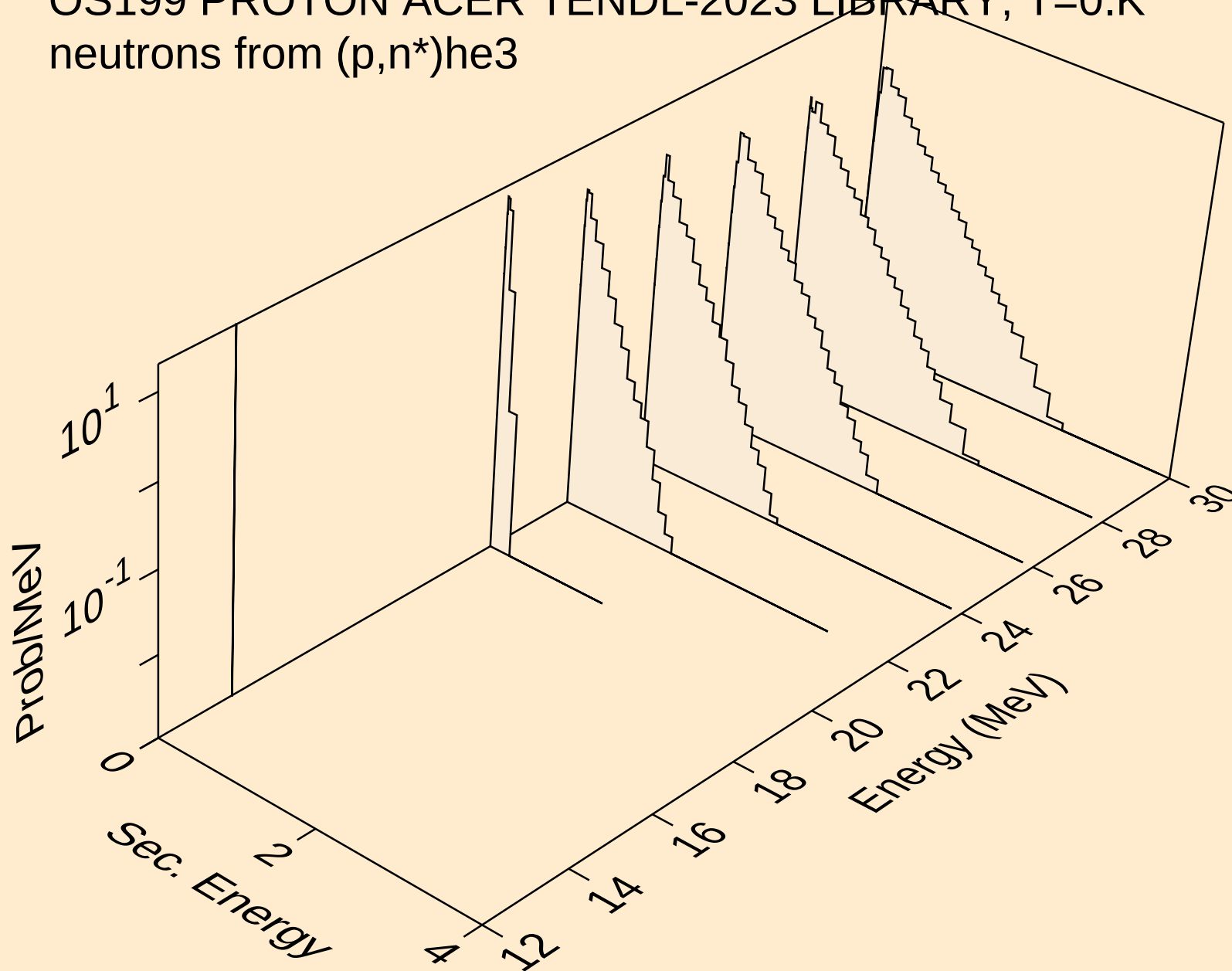
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)d



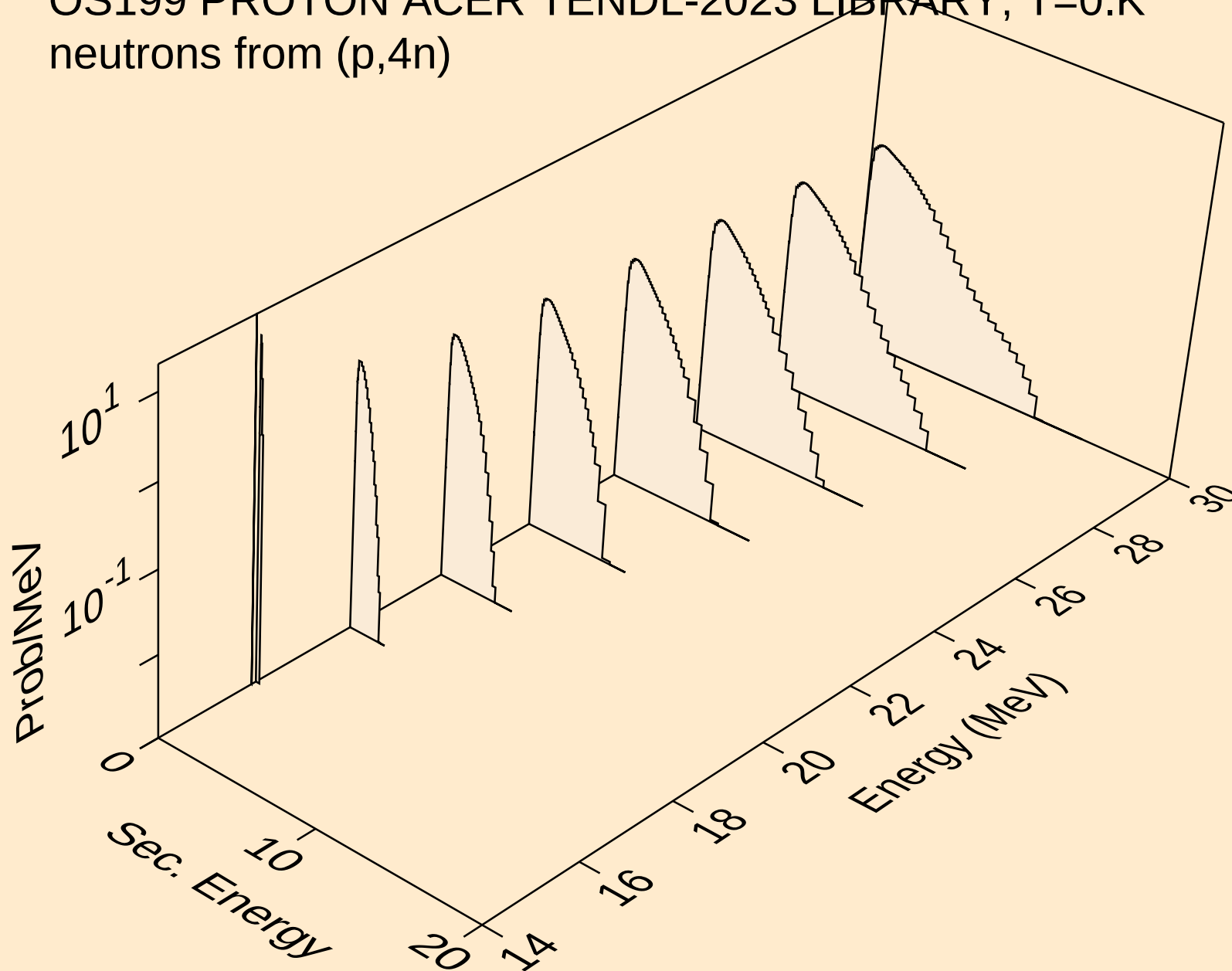
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)t



OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)he3

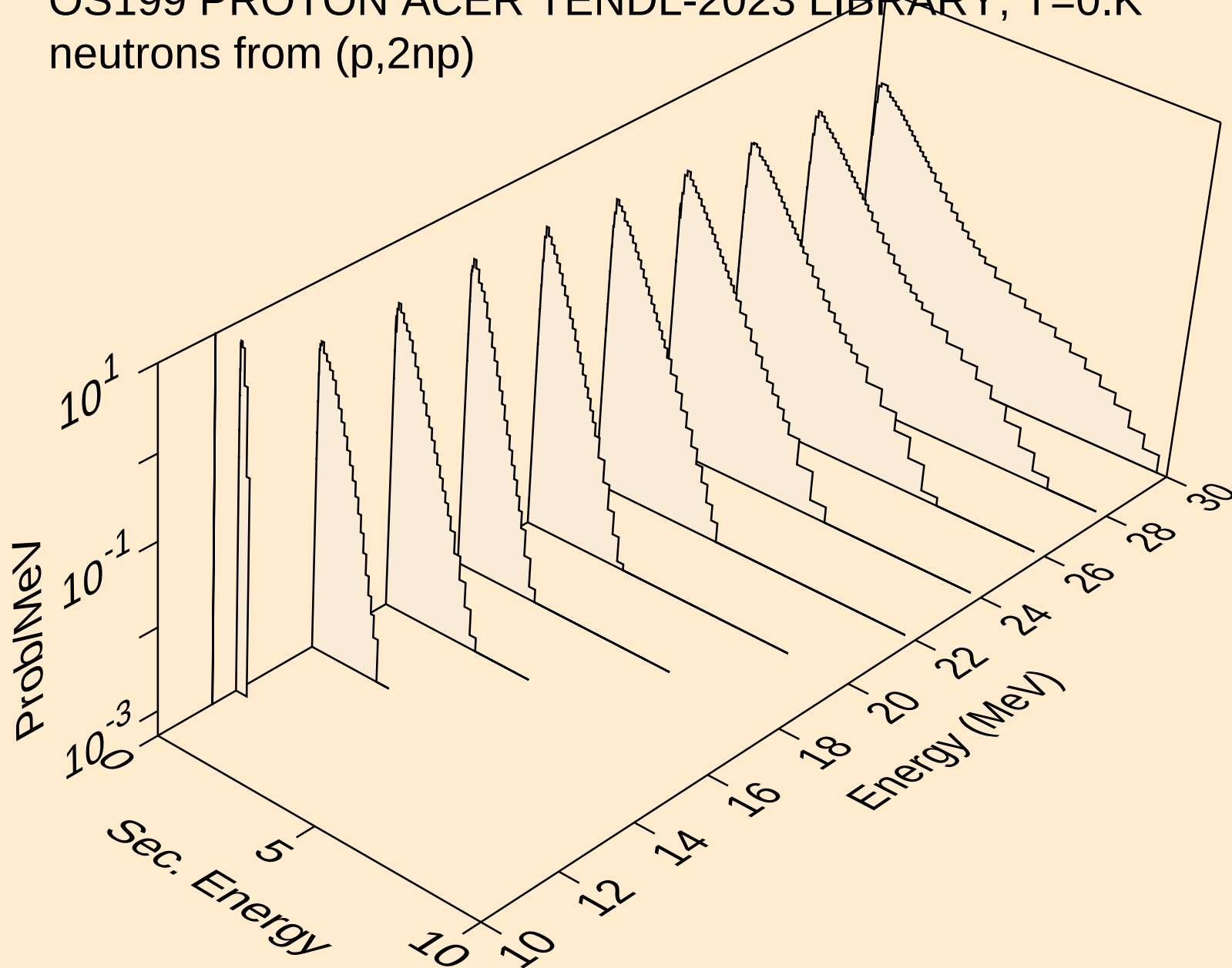


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neutrons from (p,4n)

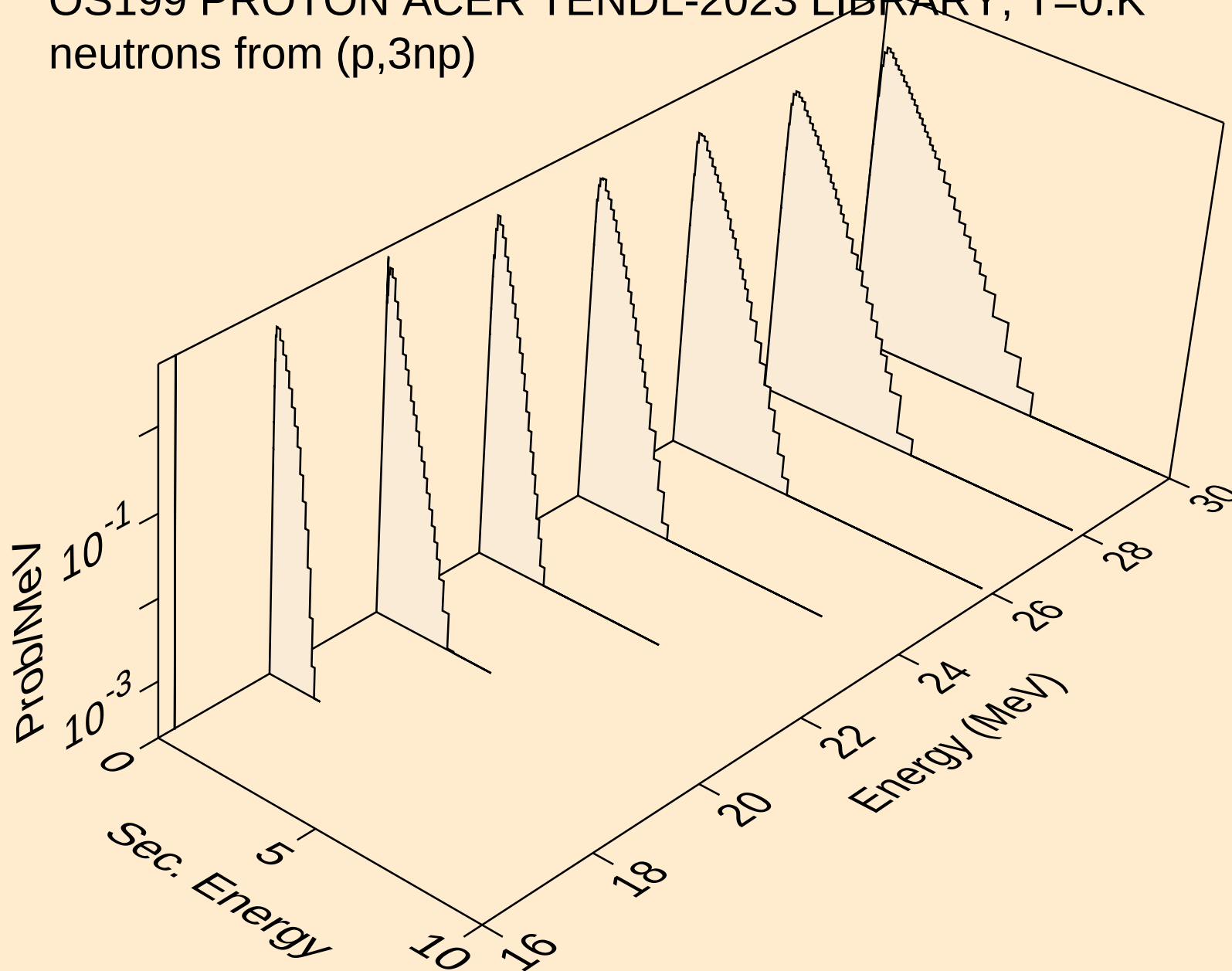




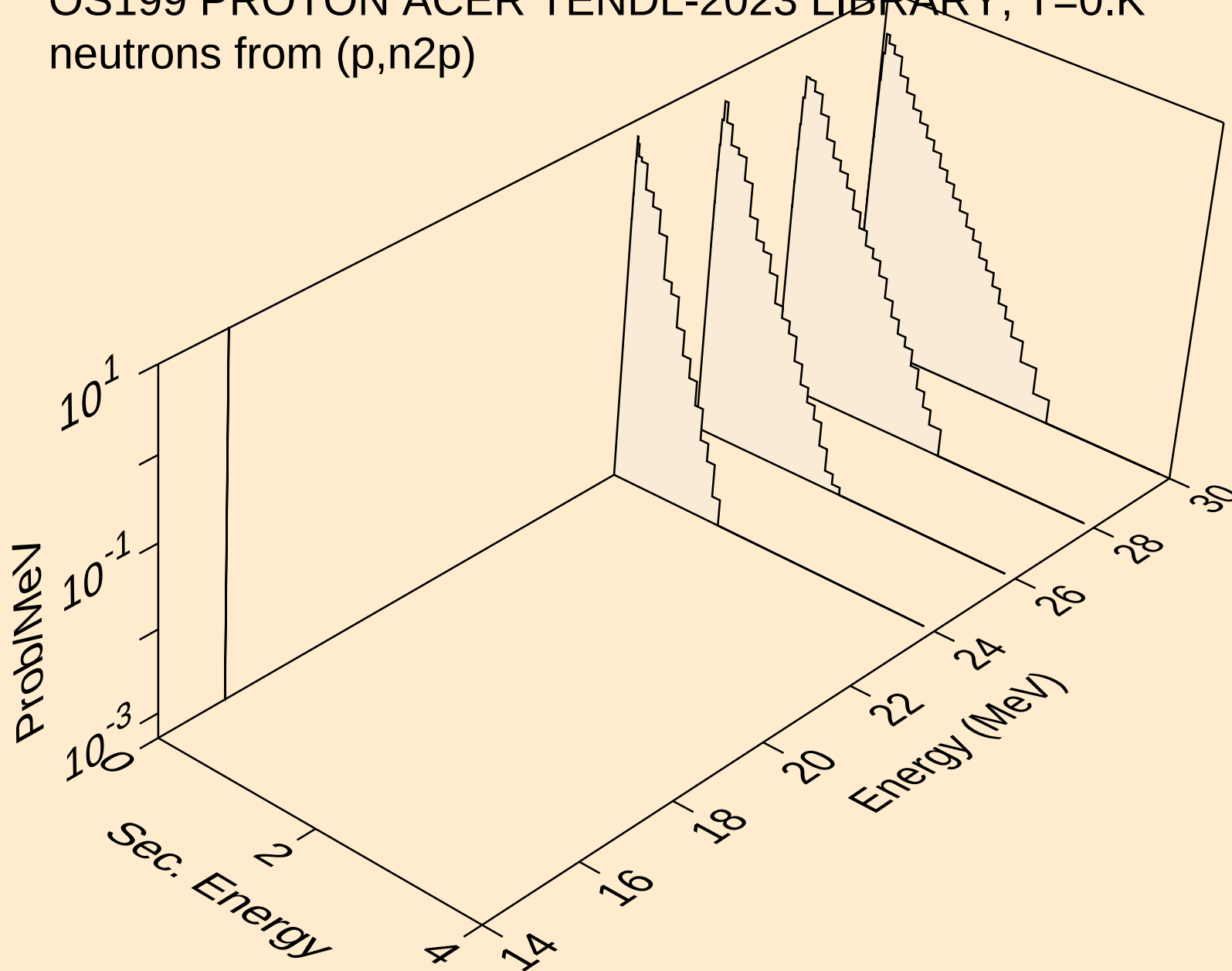
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2np)



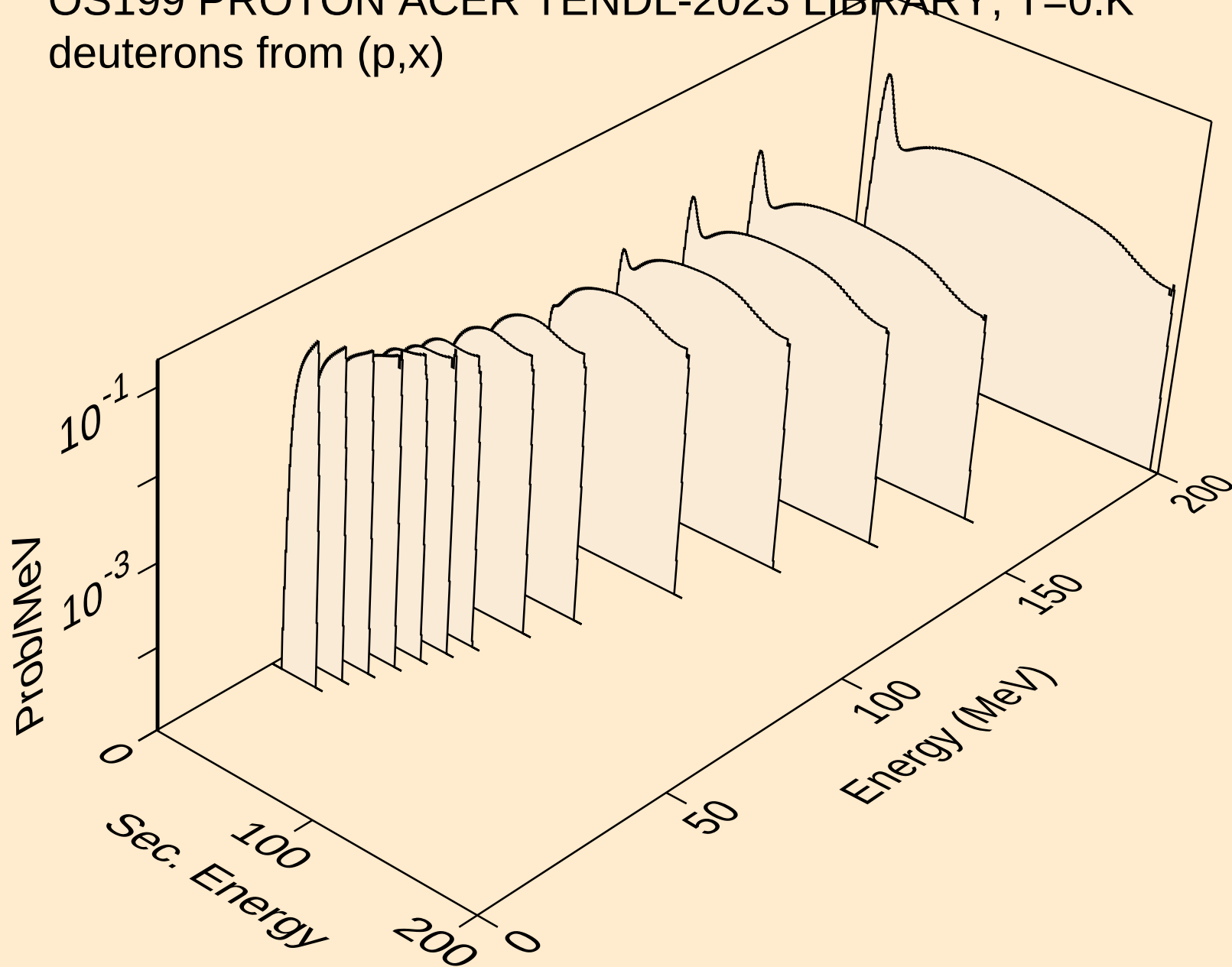
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neutrons from (p,3np)



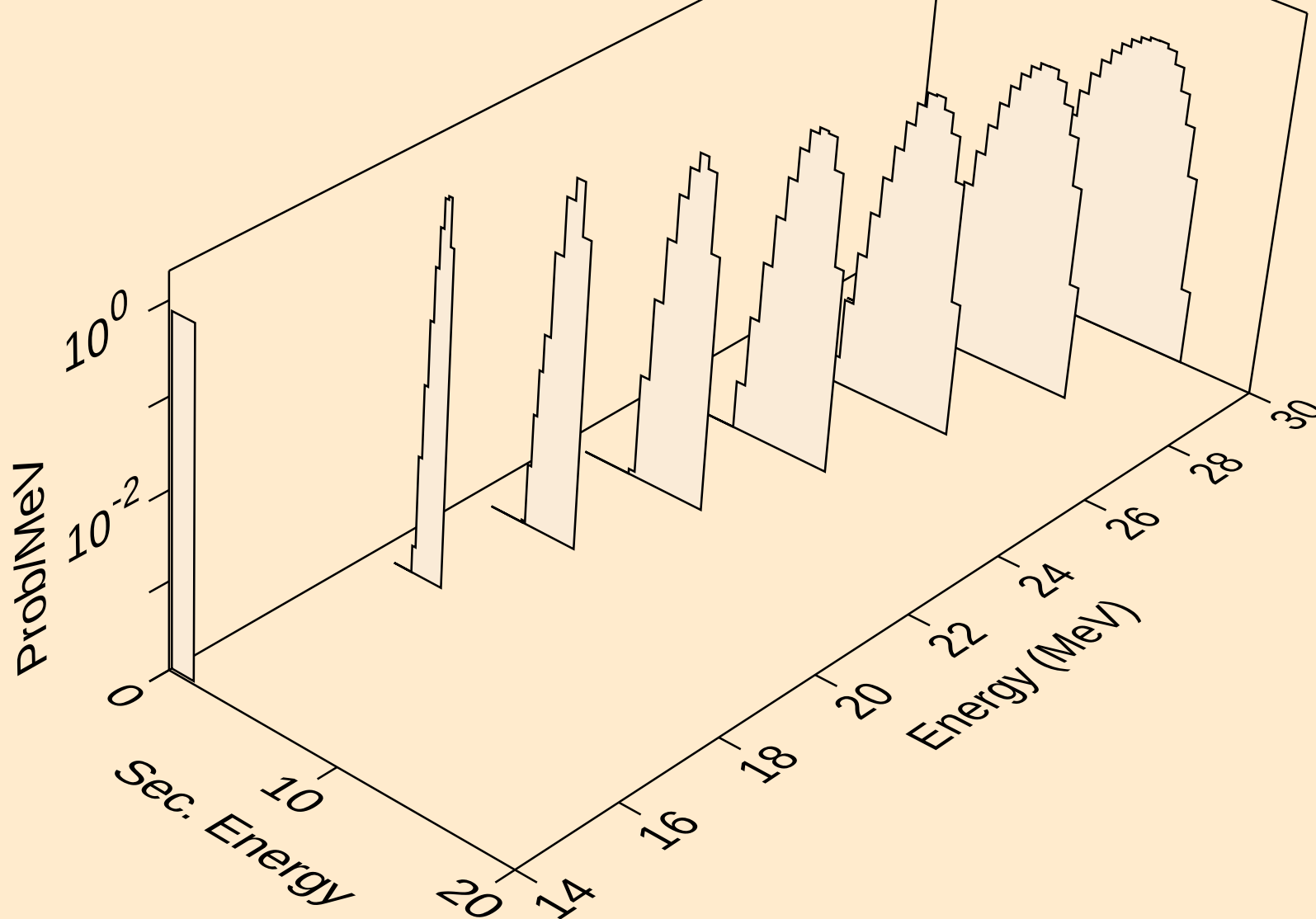
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n2p)



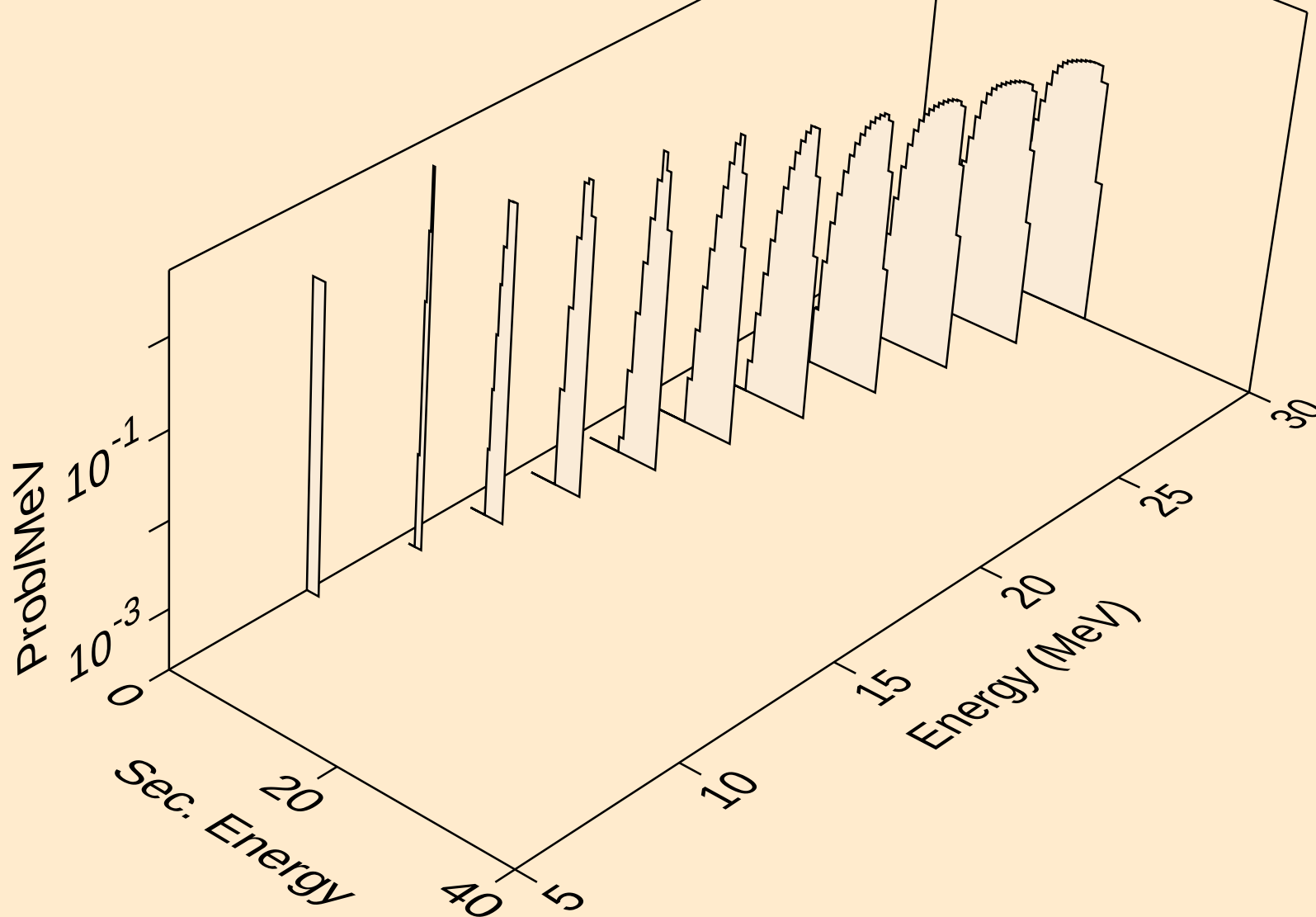
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,x)



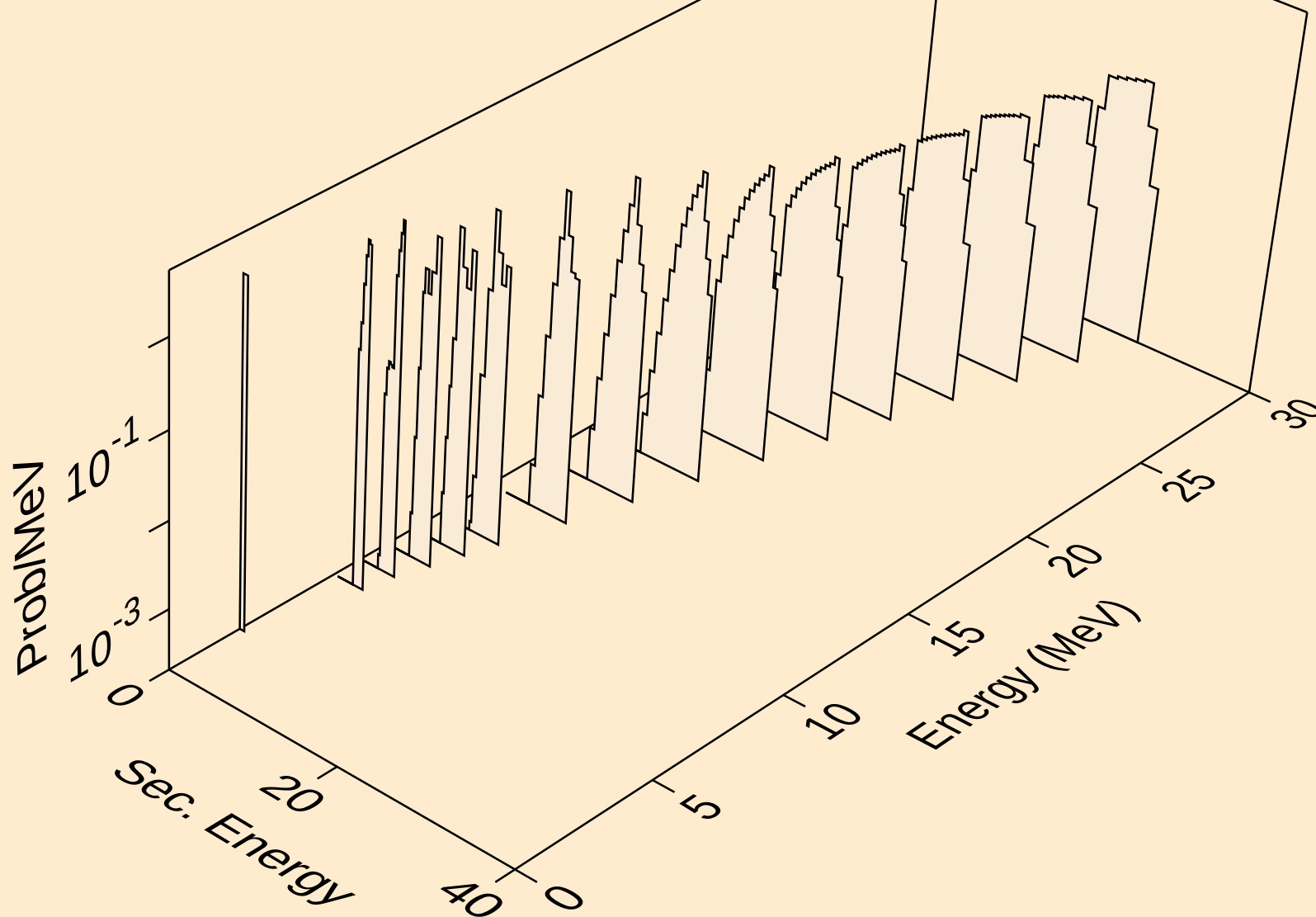
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deuterons from (p,2nd)



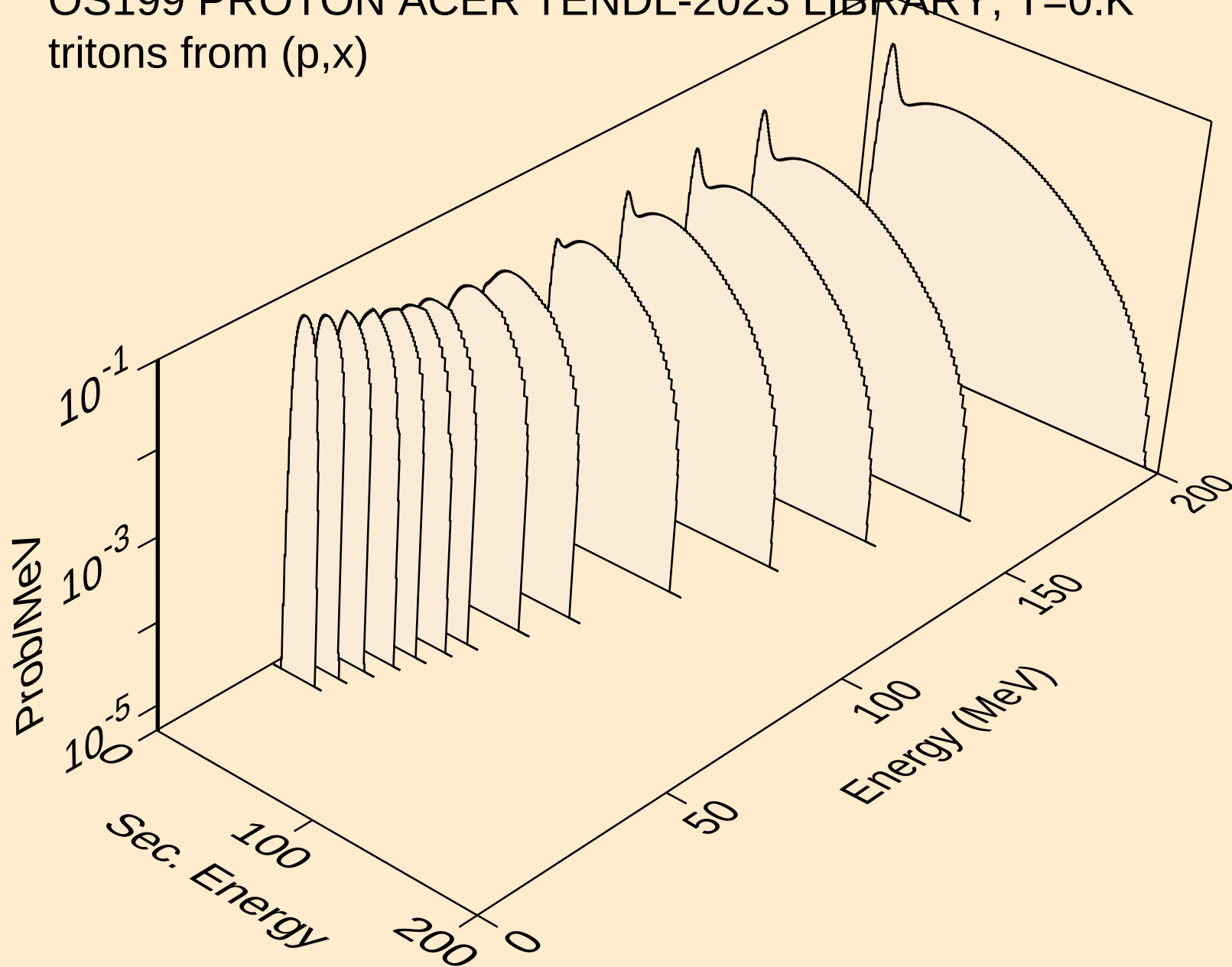
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,n\*)d



OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,d)

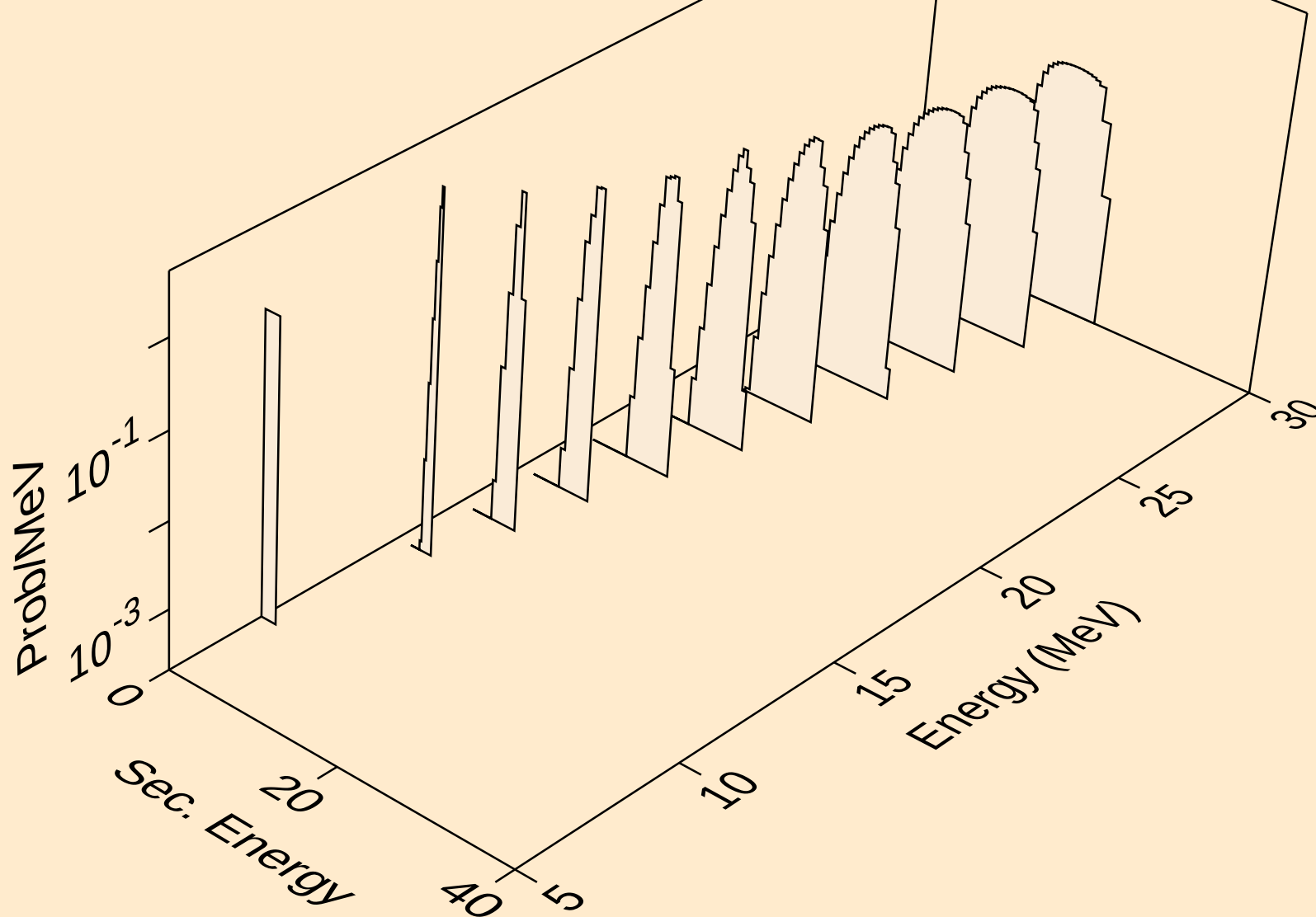


OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,x)

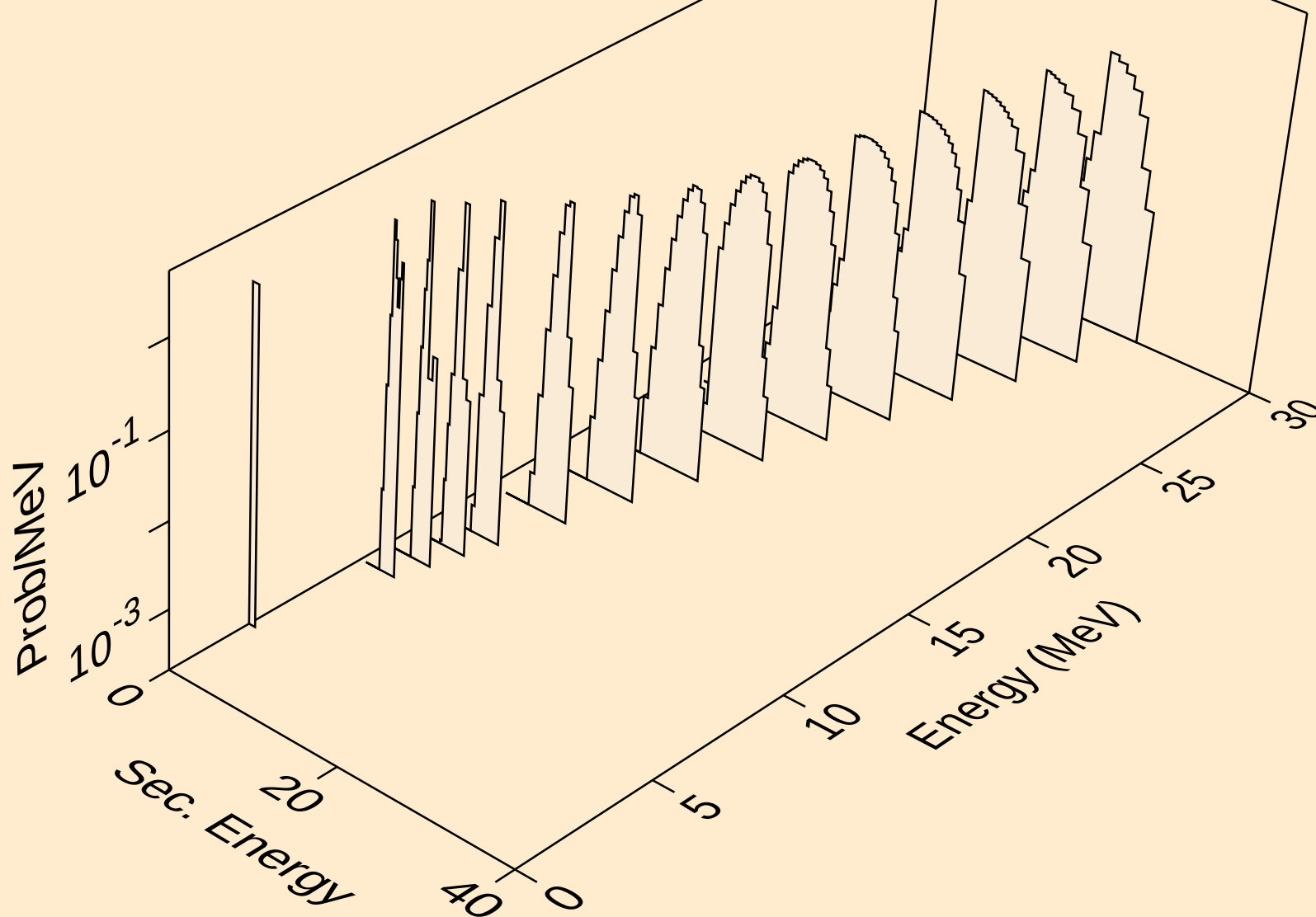




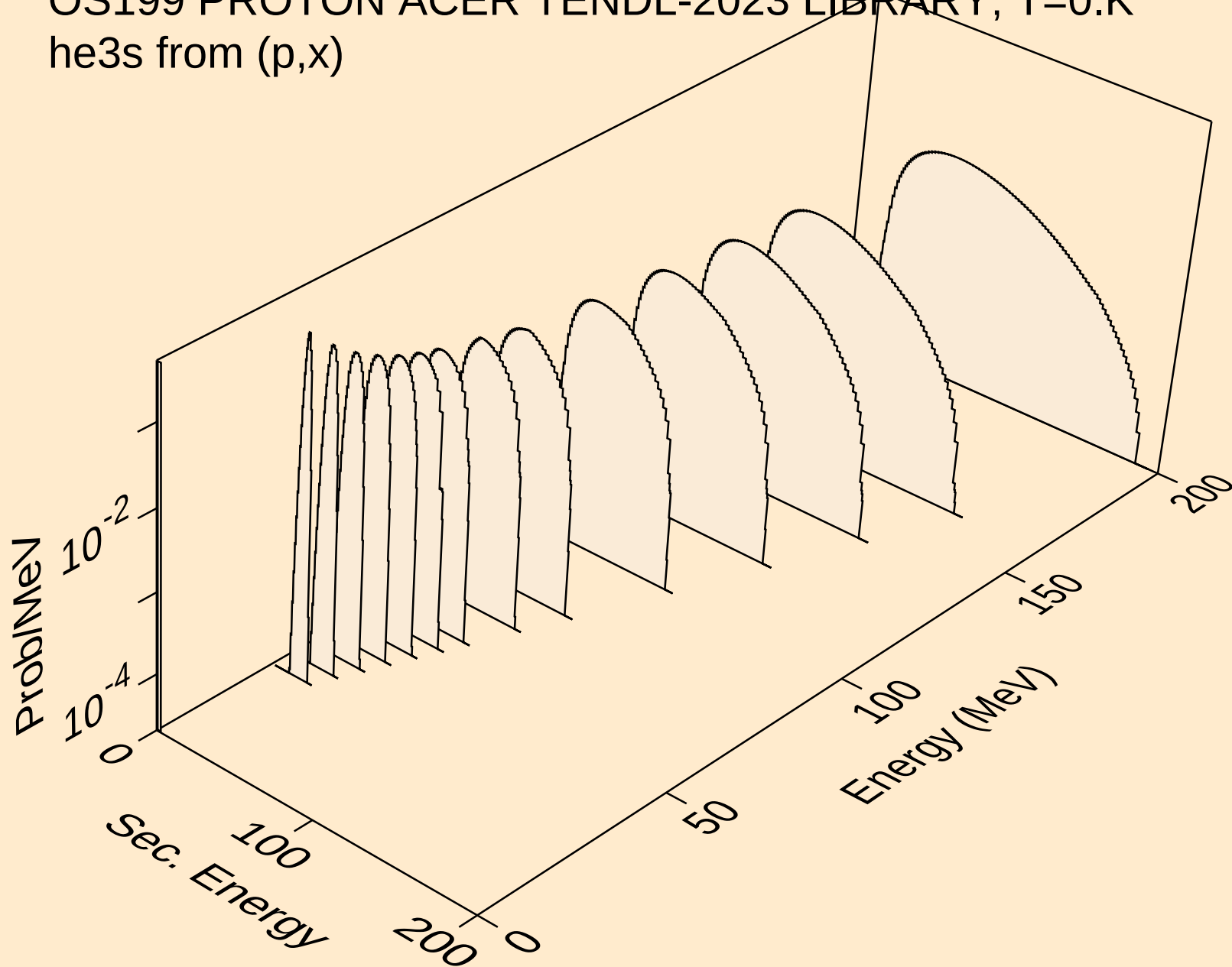
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,n\*)t



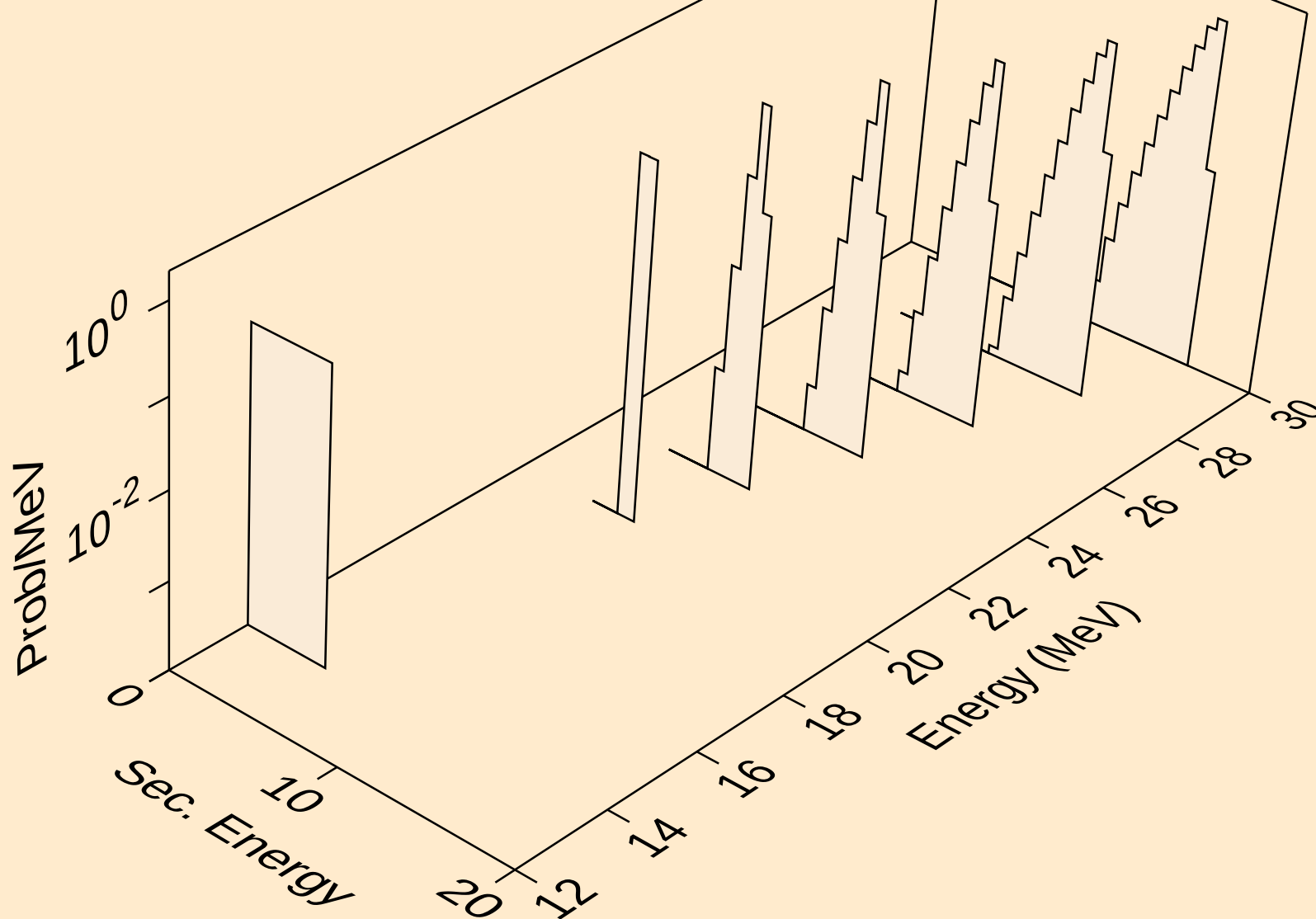
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,t)



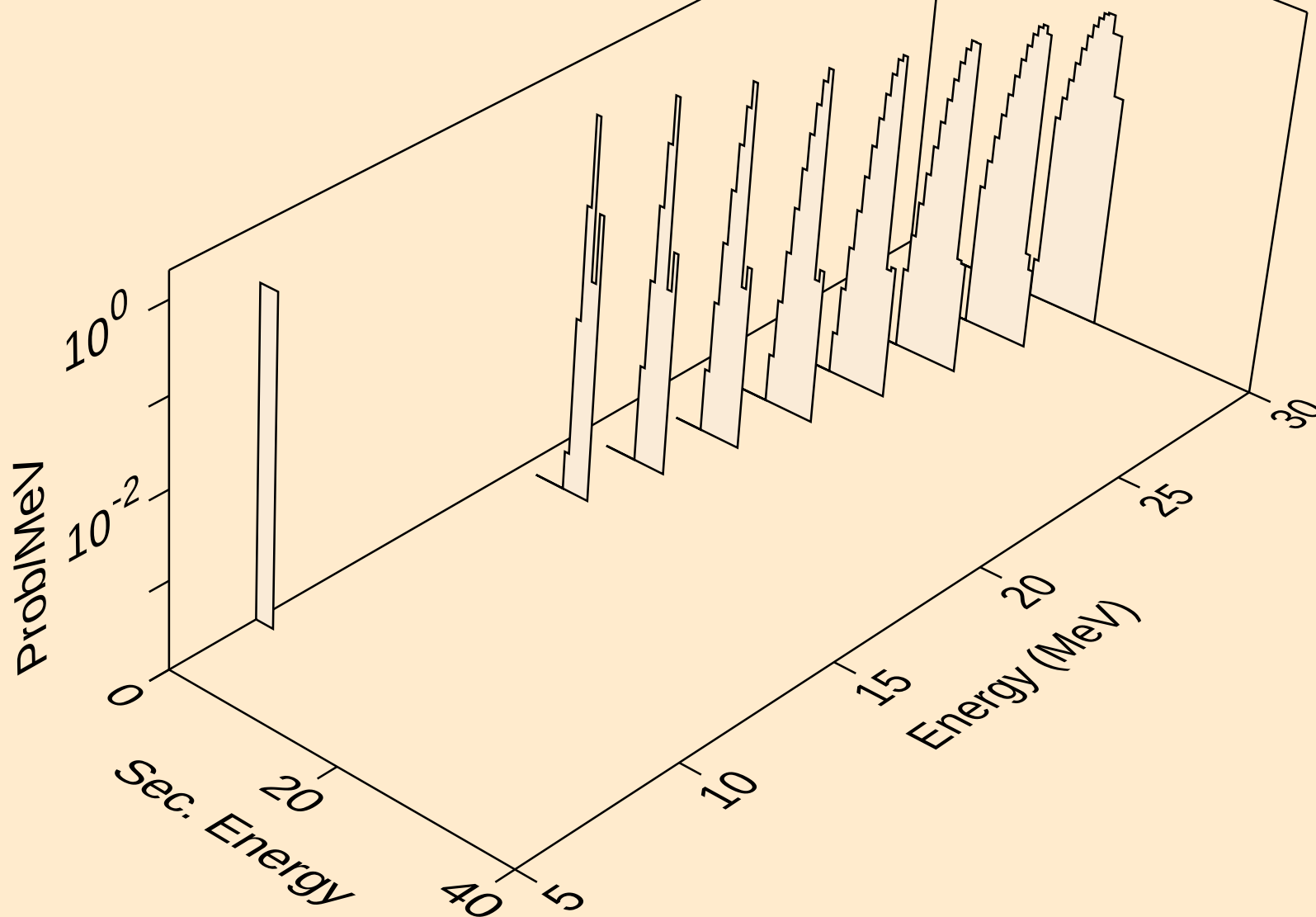
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,x)



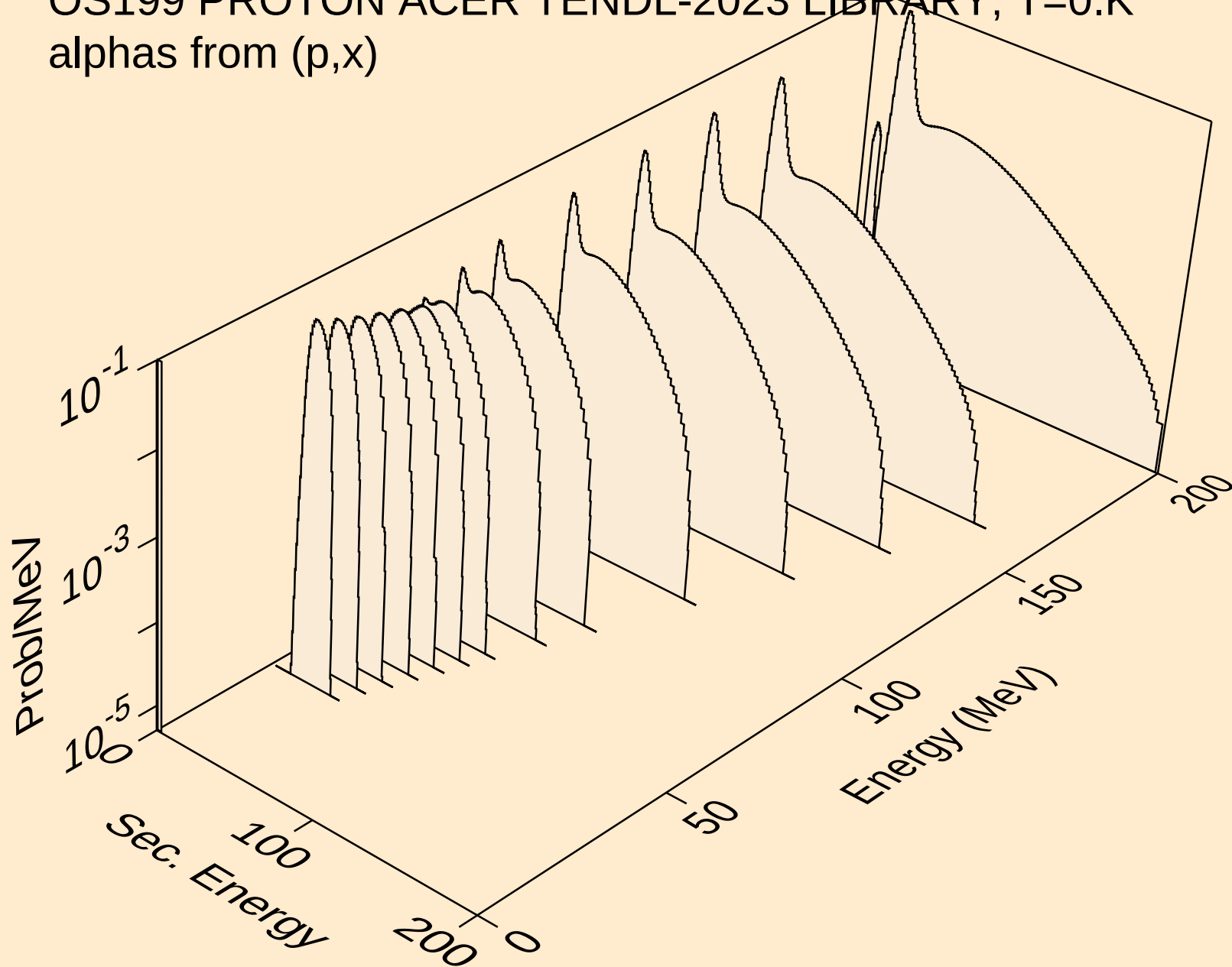
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,n\*)he3



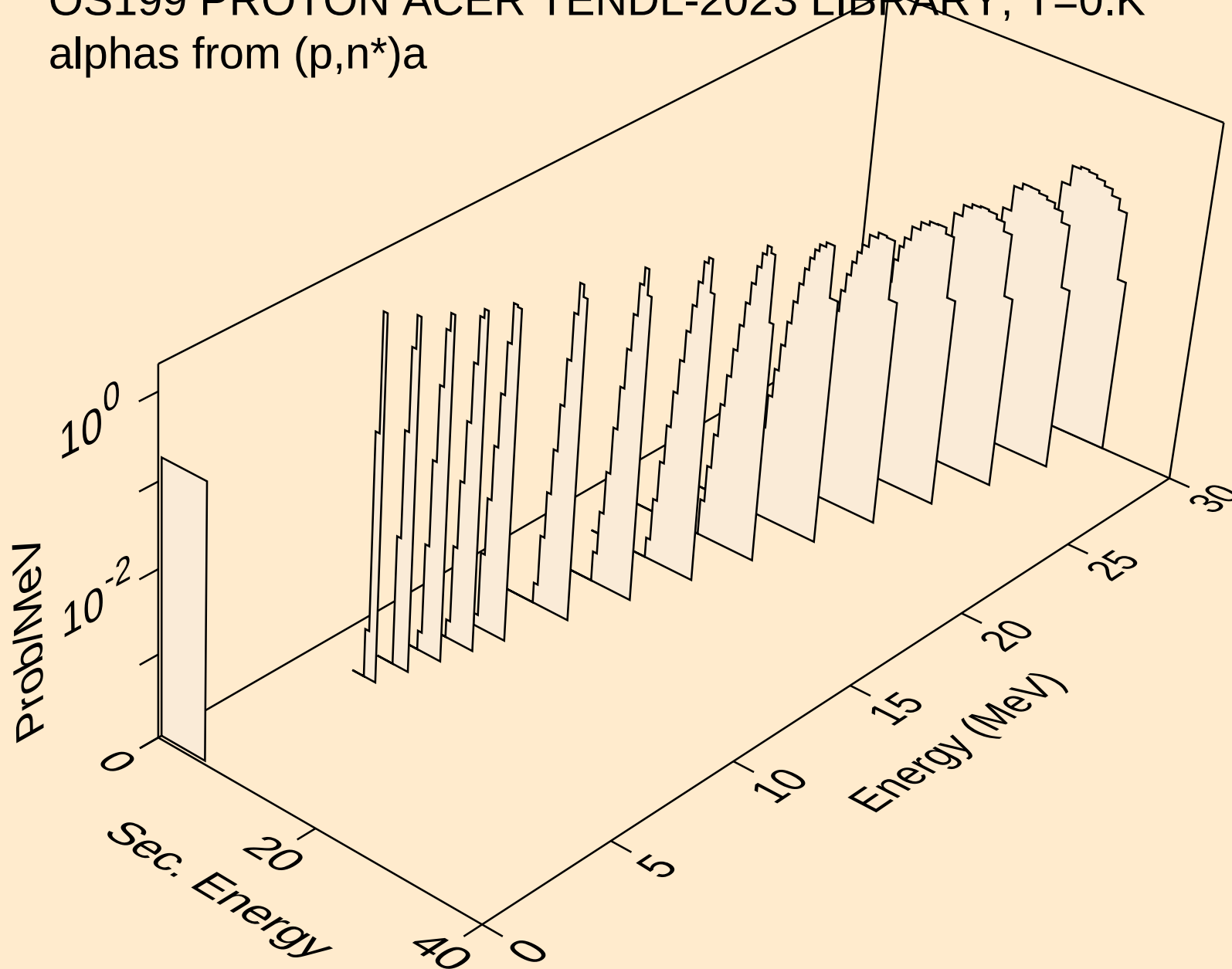
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,he3)



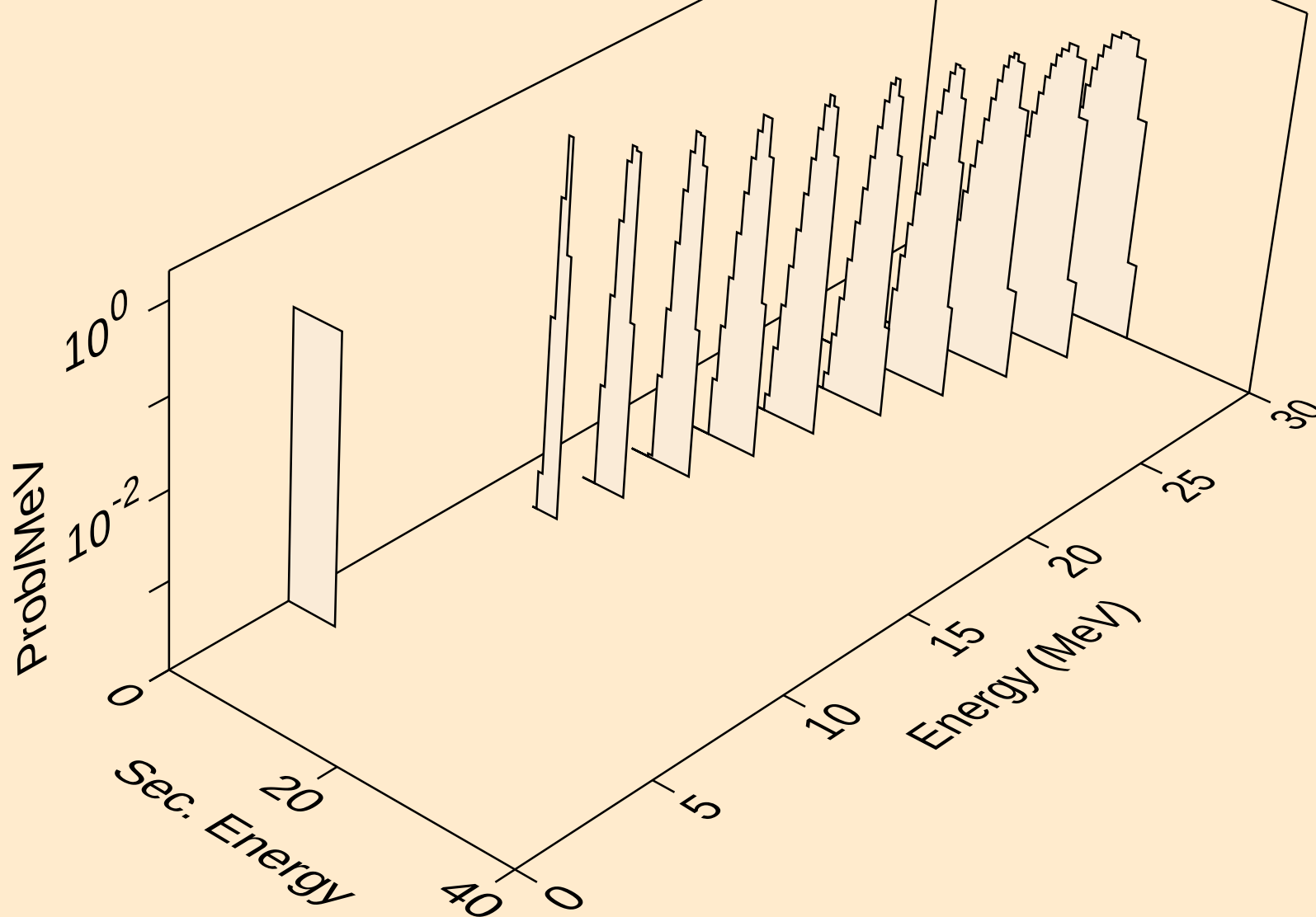
OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)



OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a

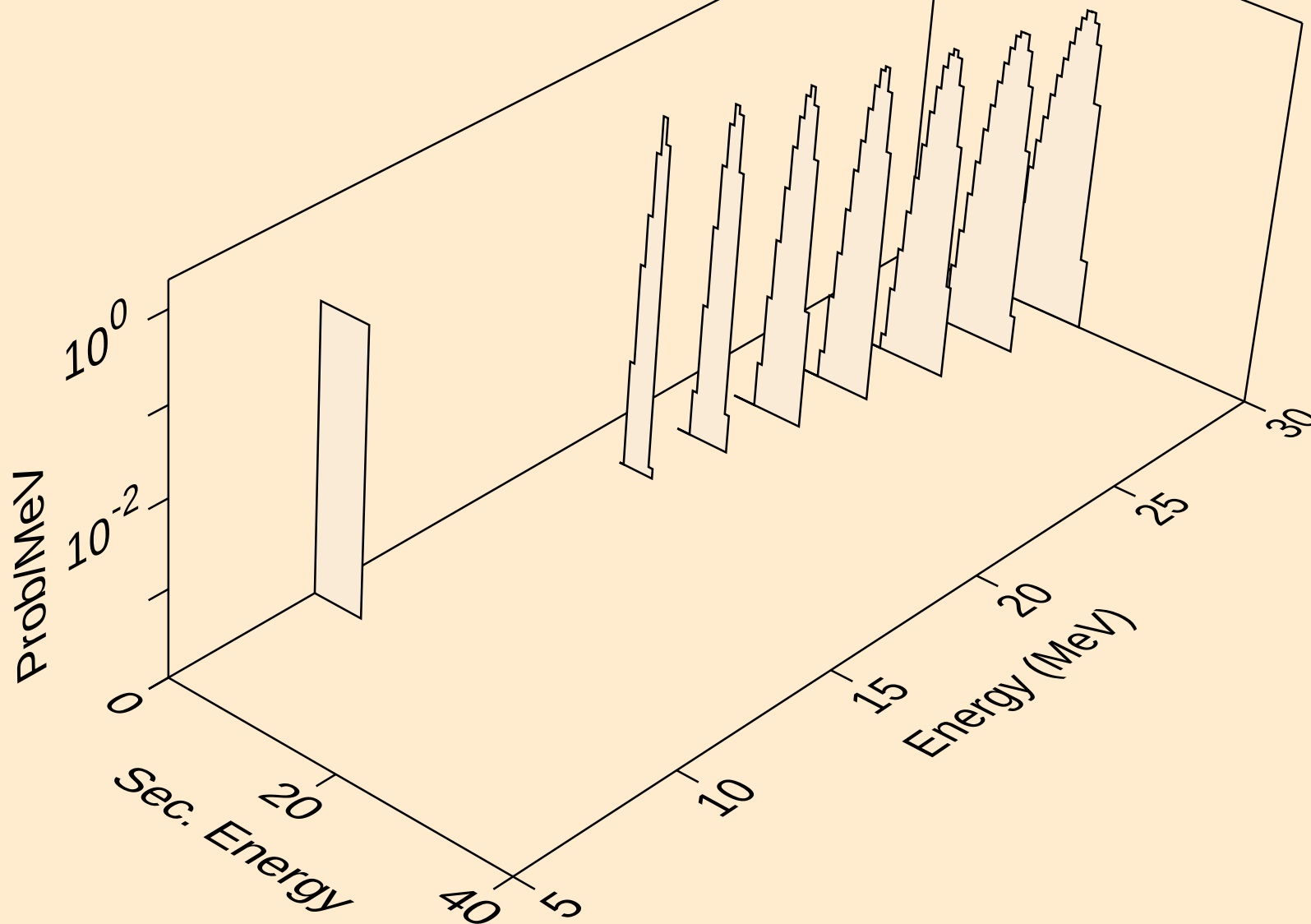


OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)a





OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,3n)a



OS199 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,a)

