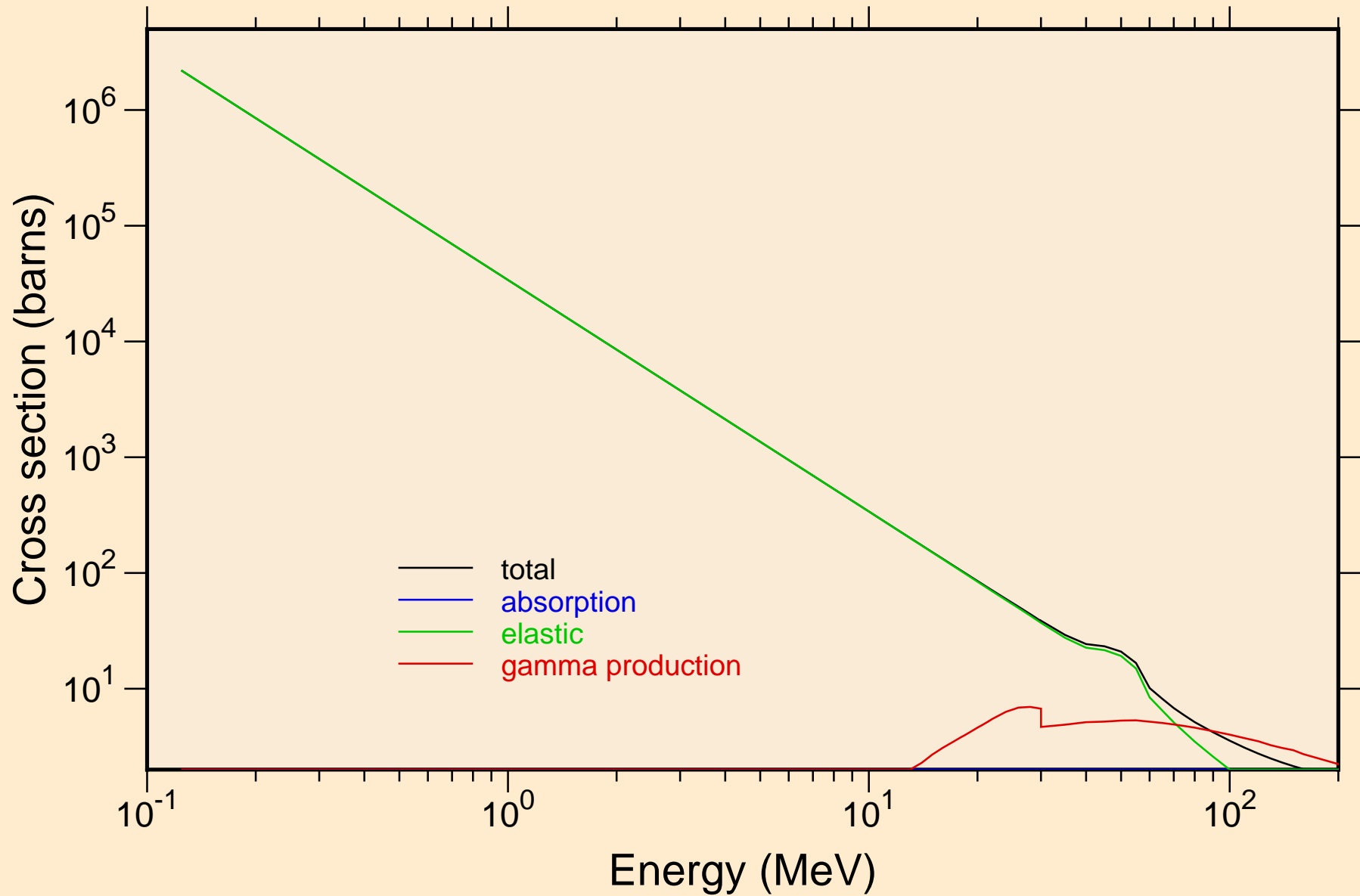


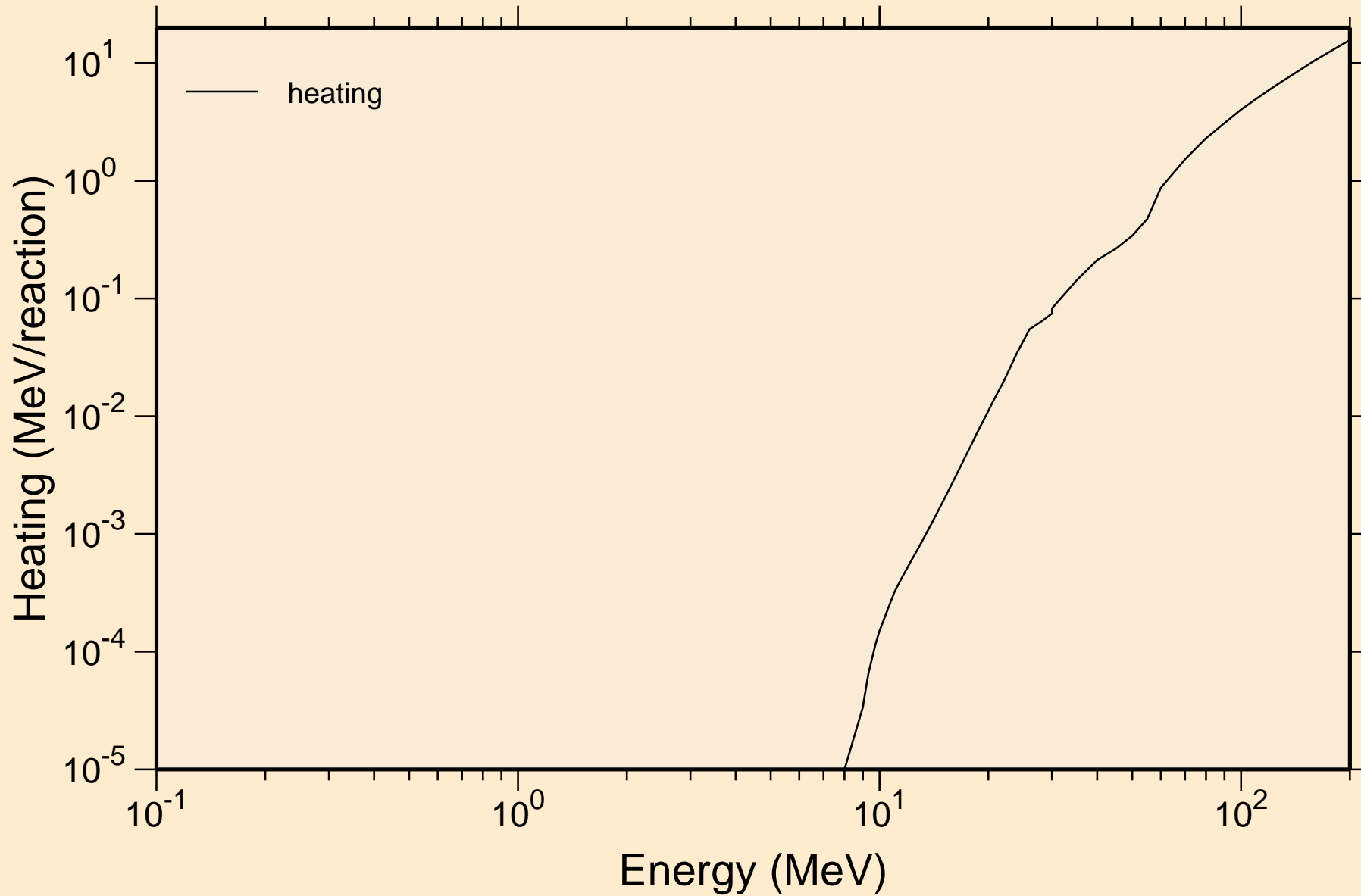
# W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



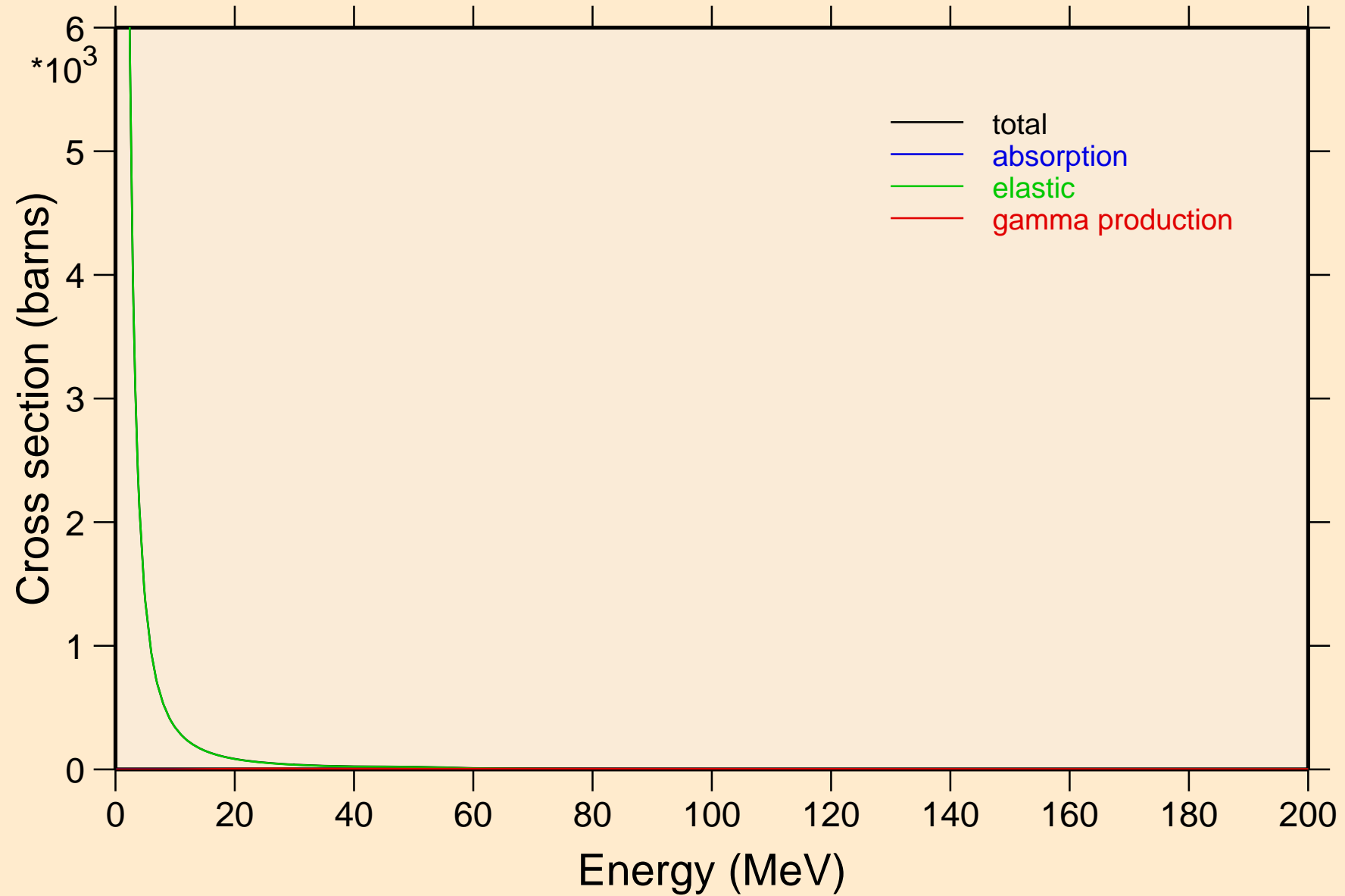
# W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



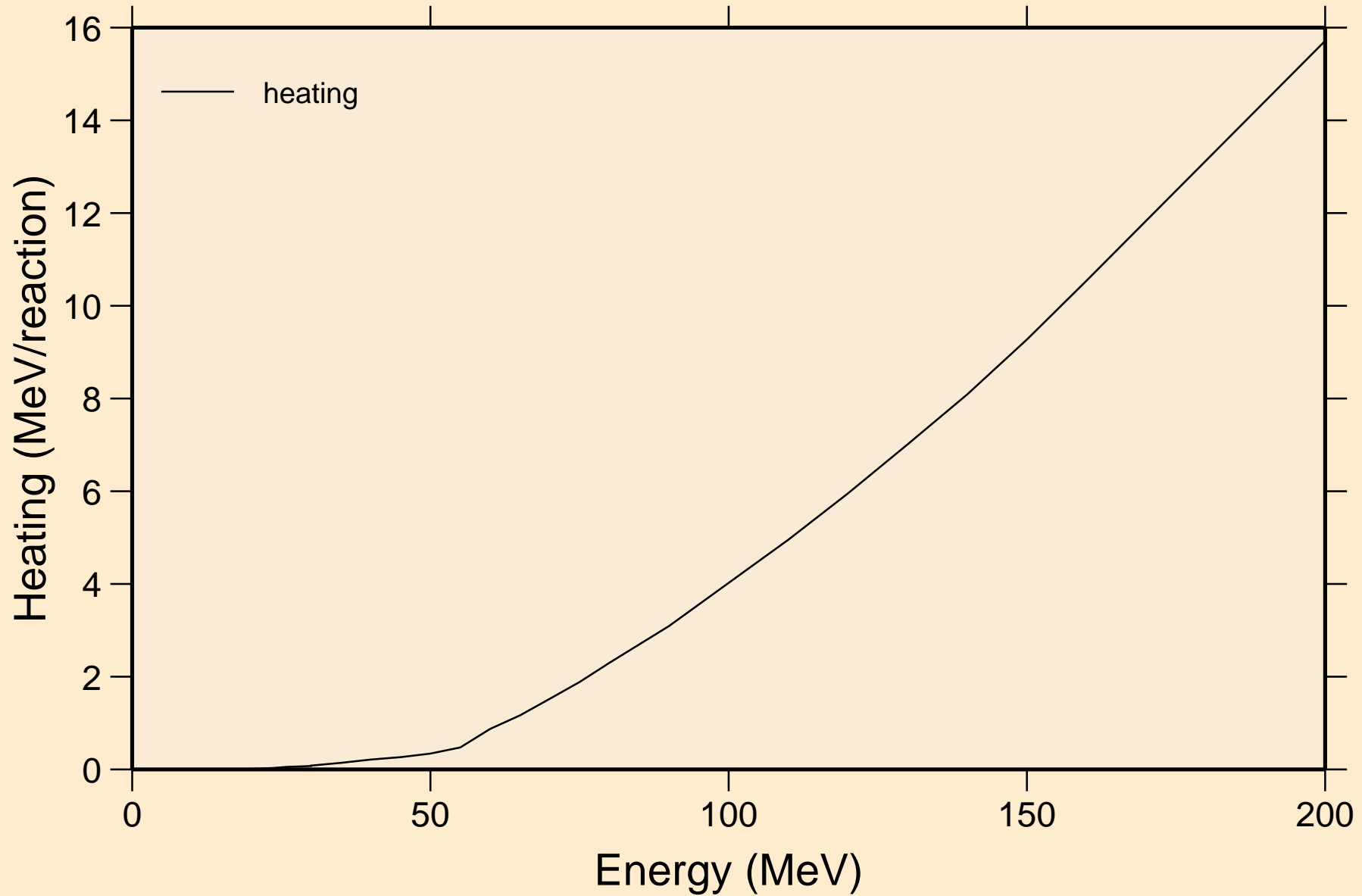
# W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

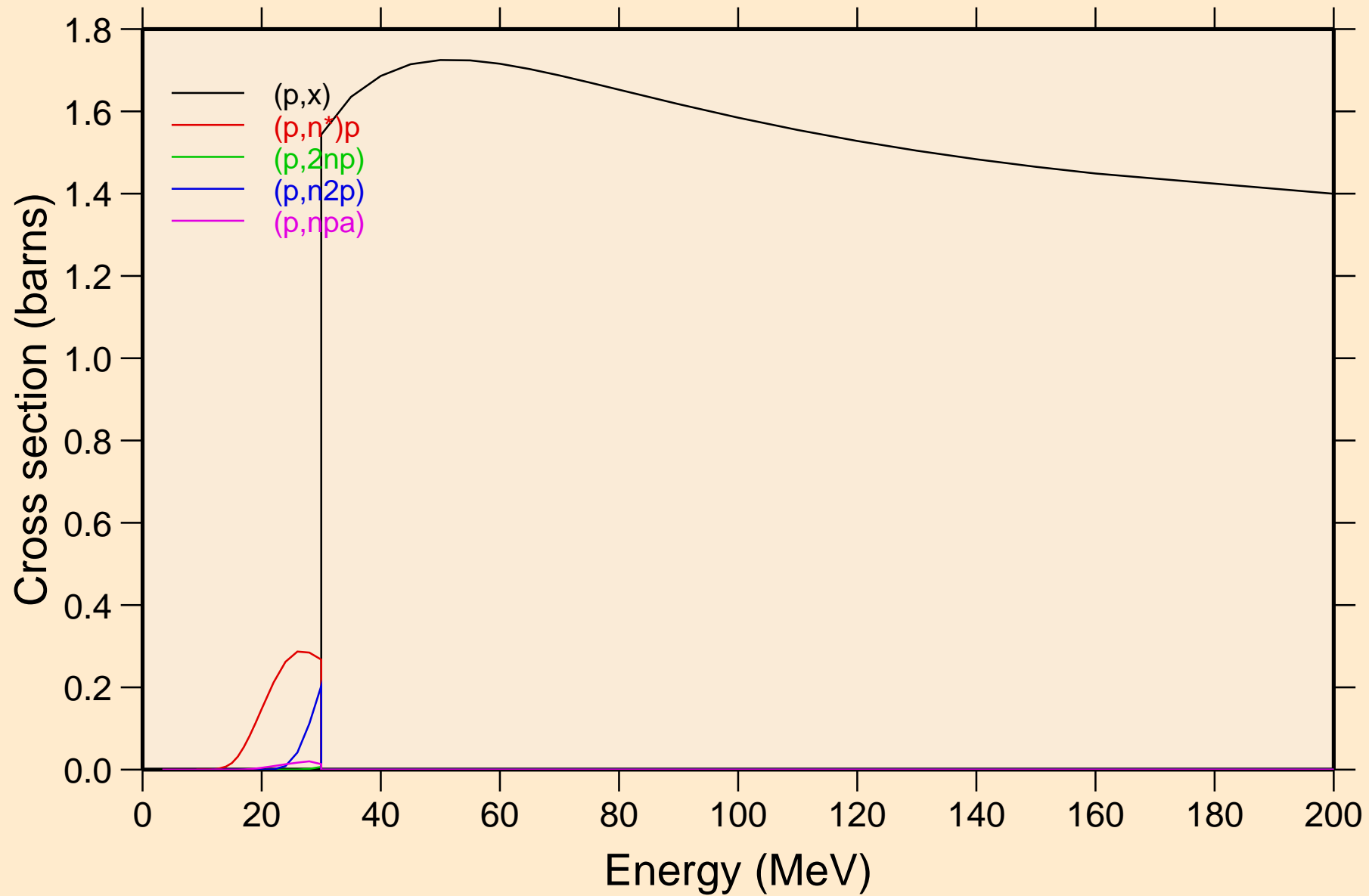


# W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

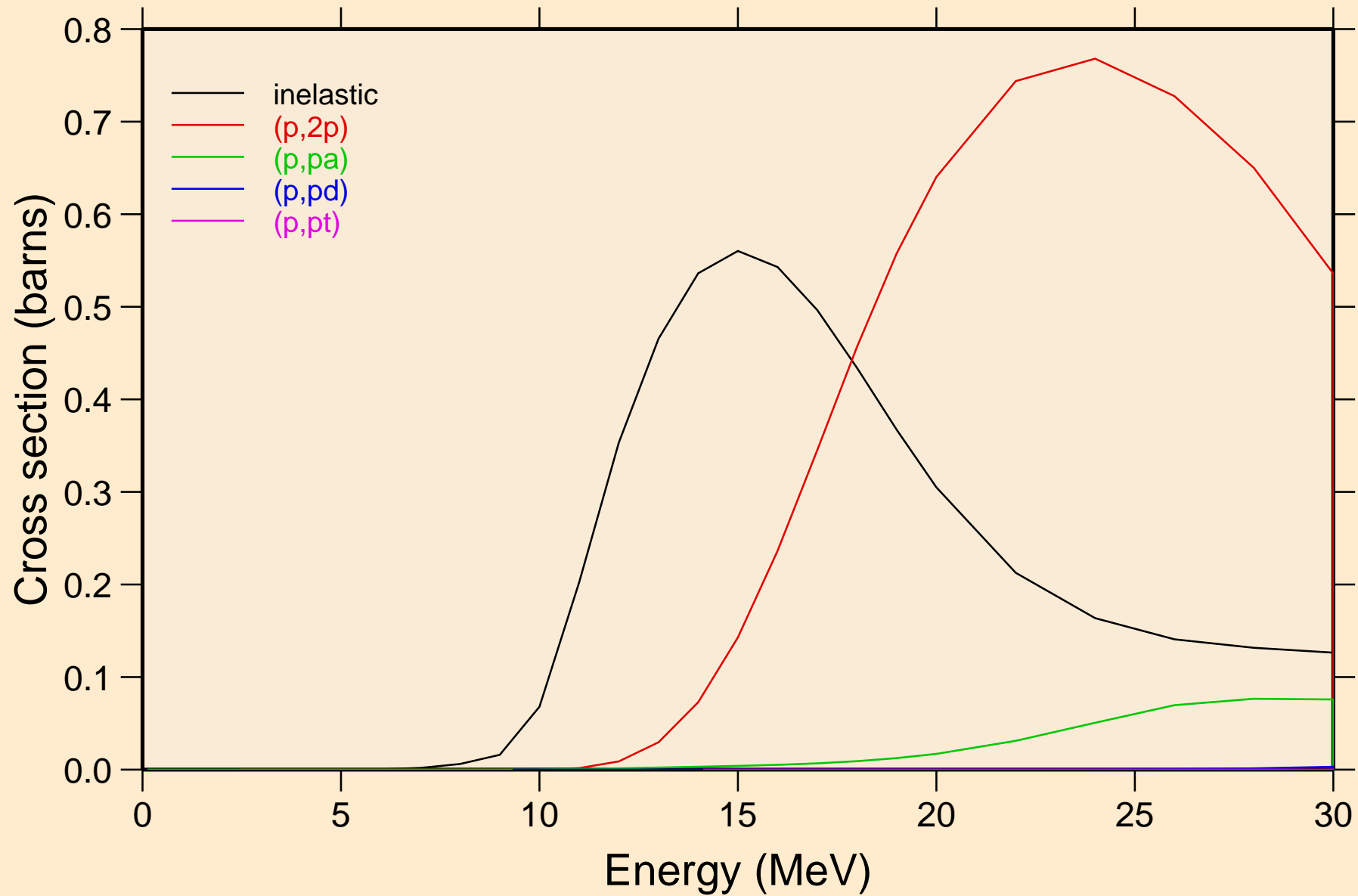


W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

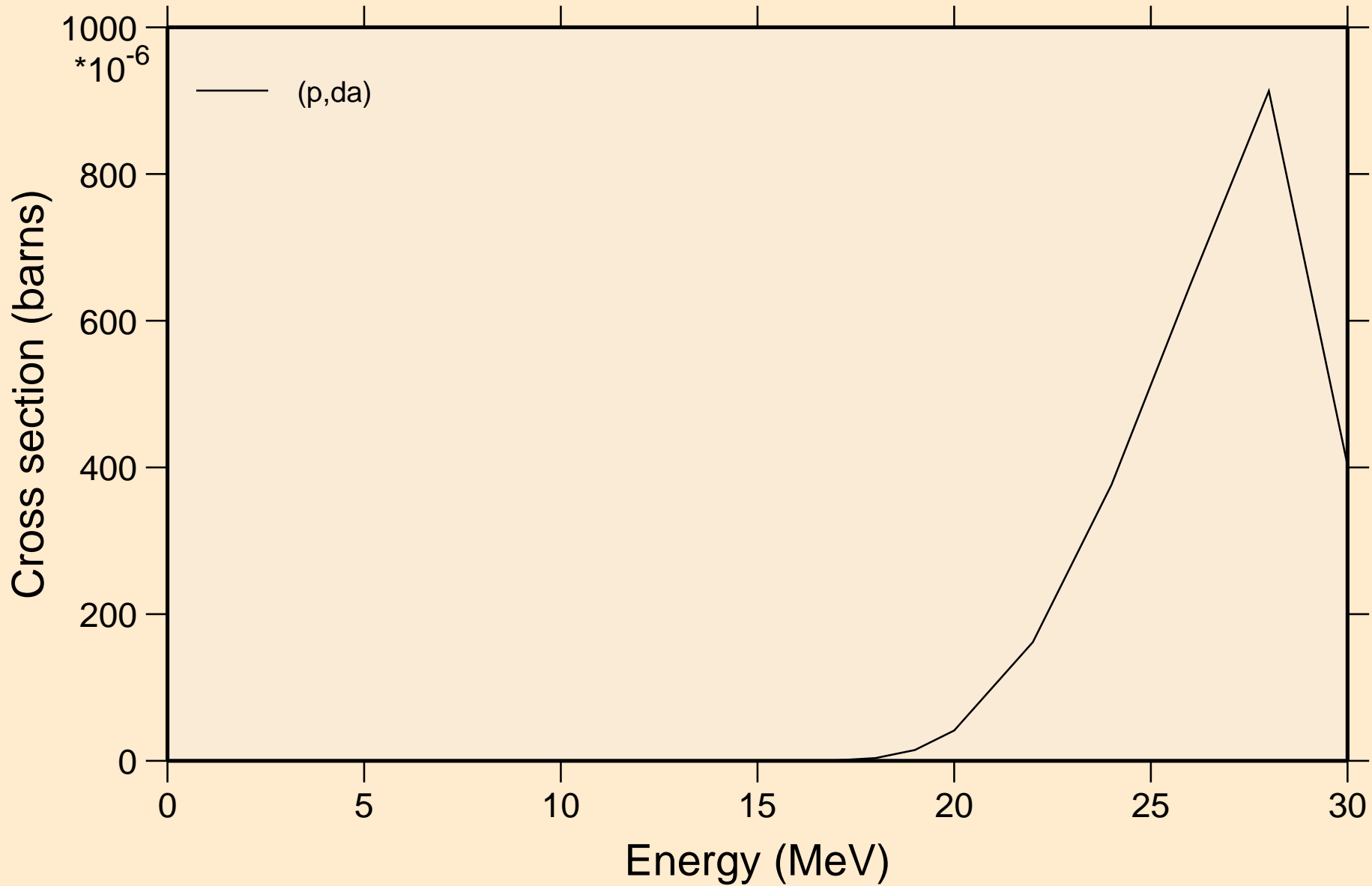


# W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

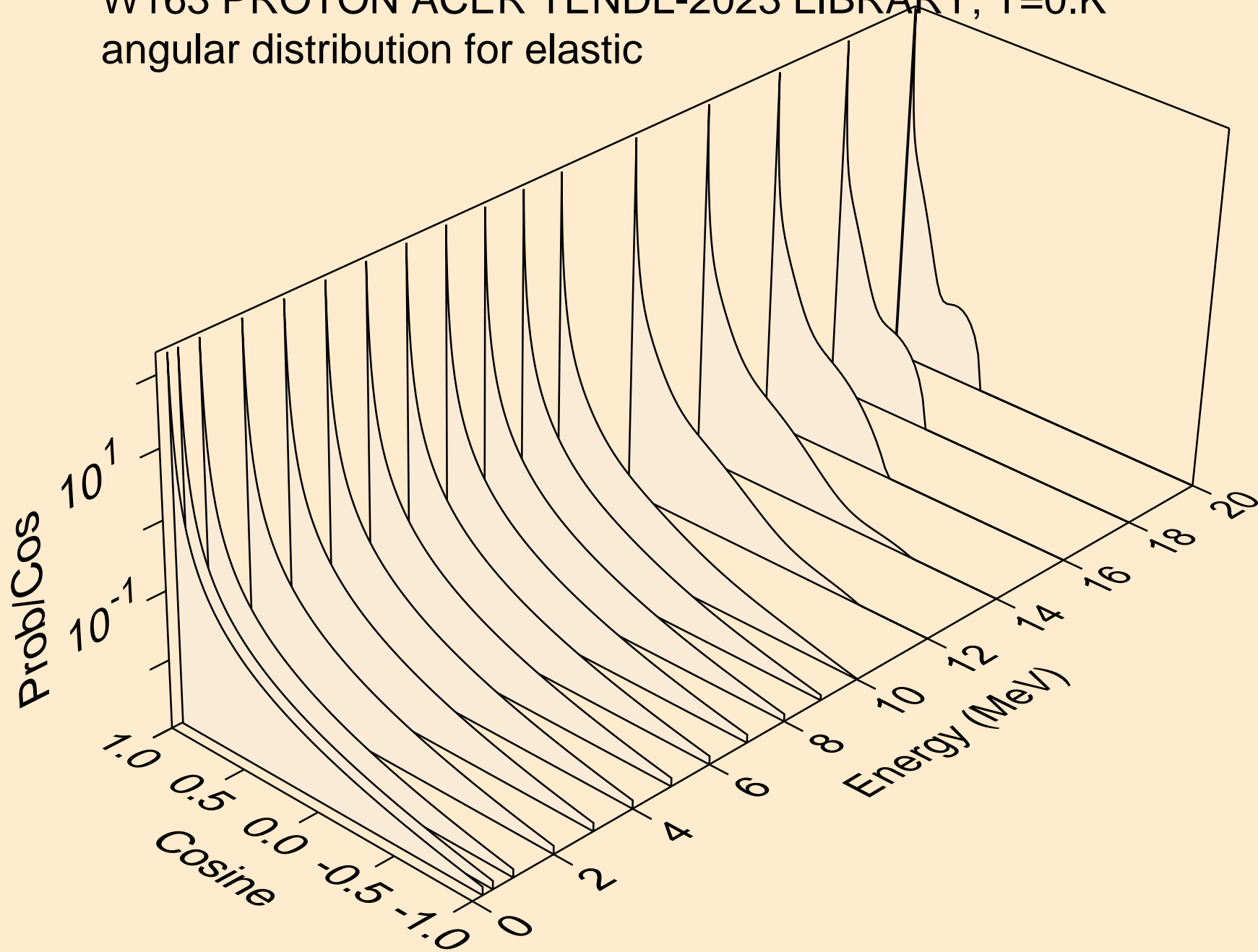
## Threshold reactions



W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

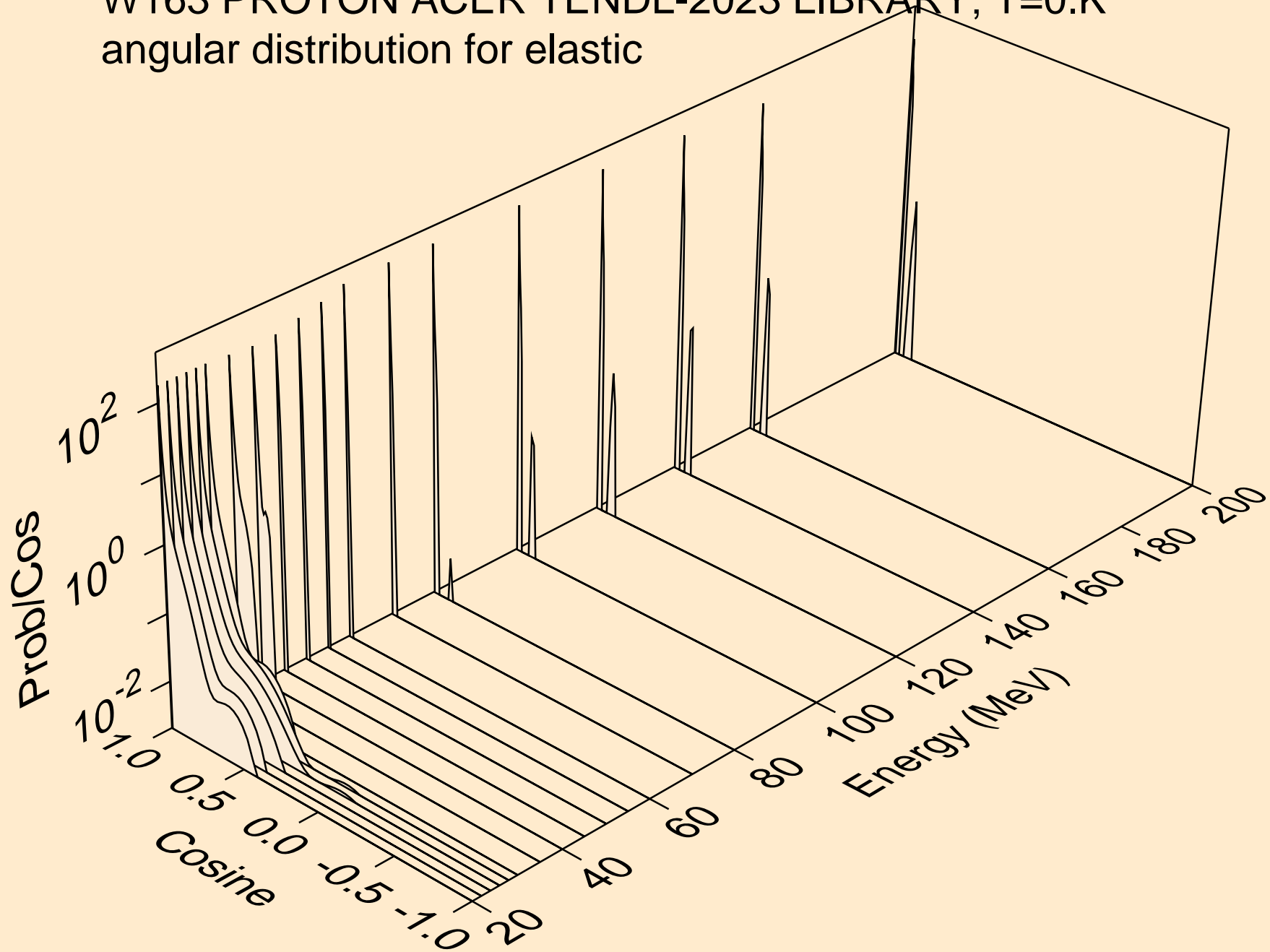


W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

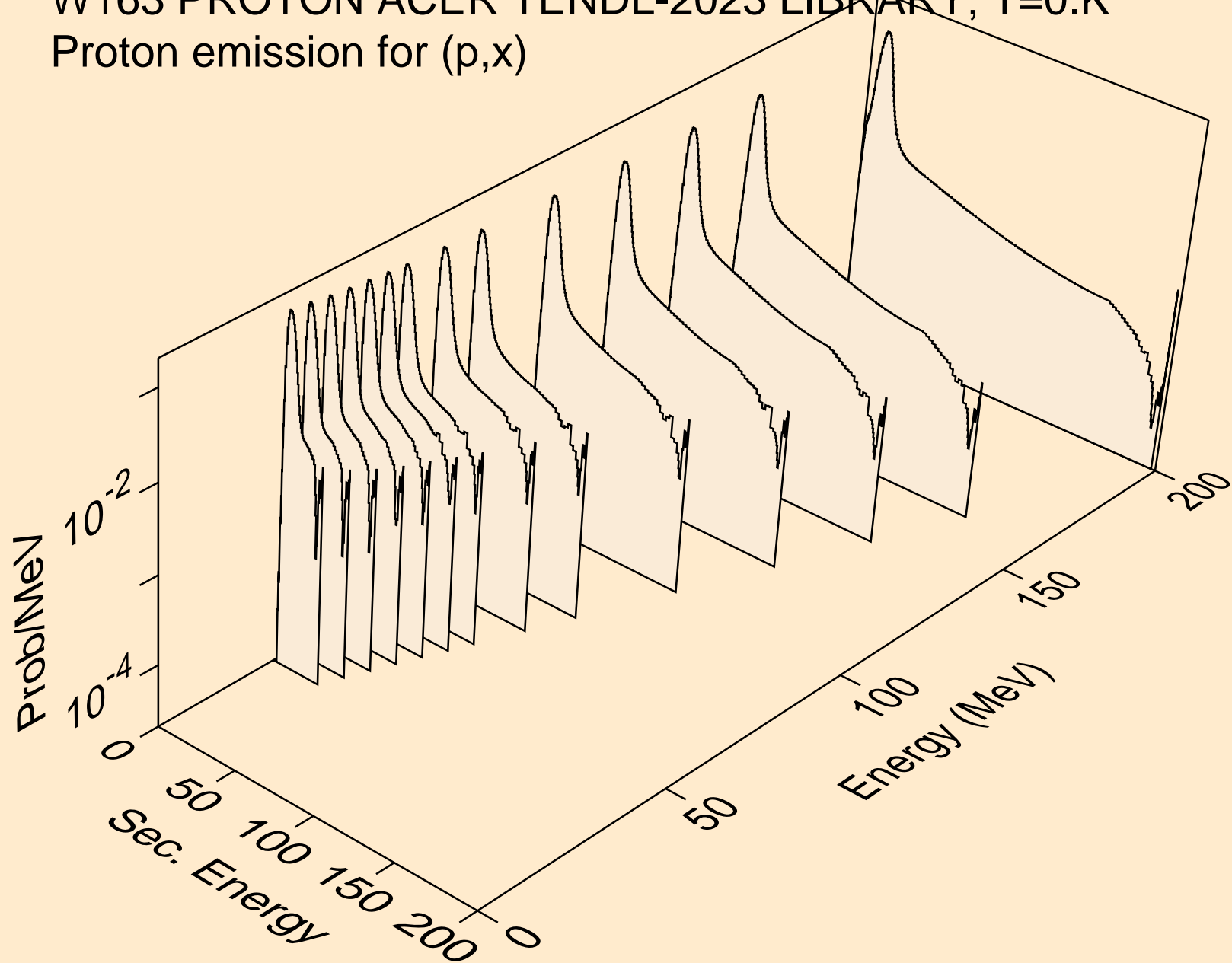




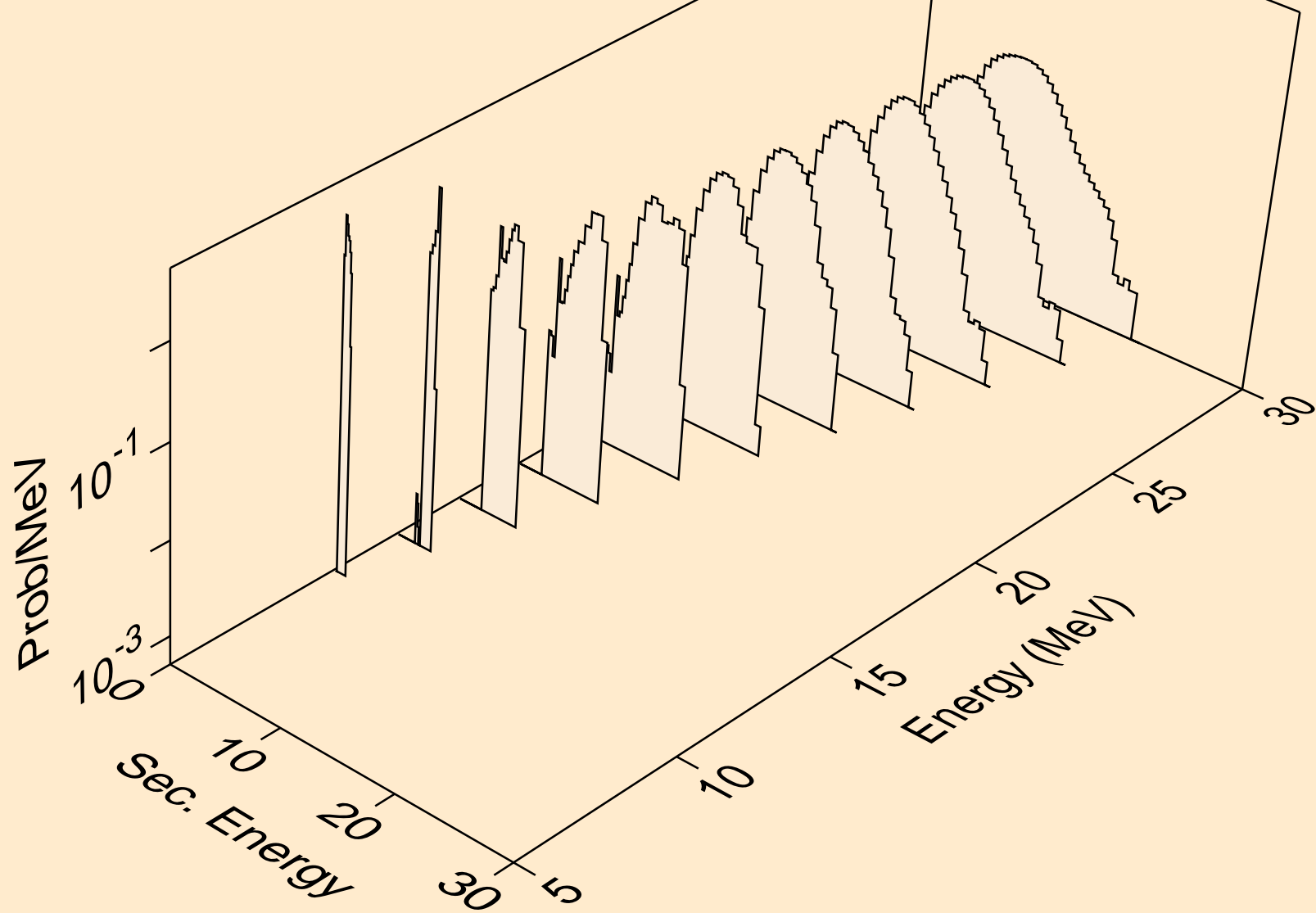
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



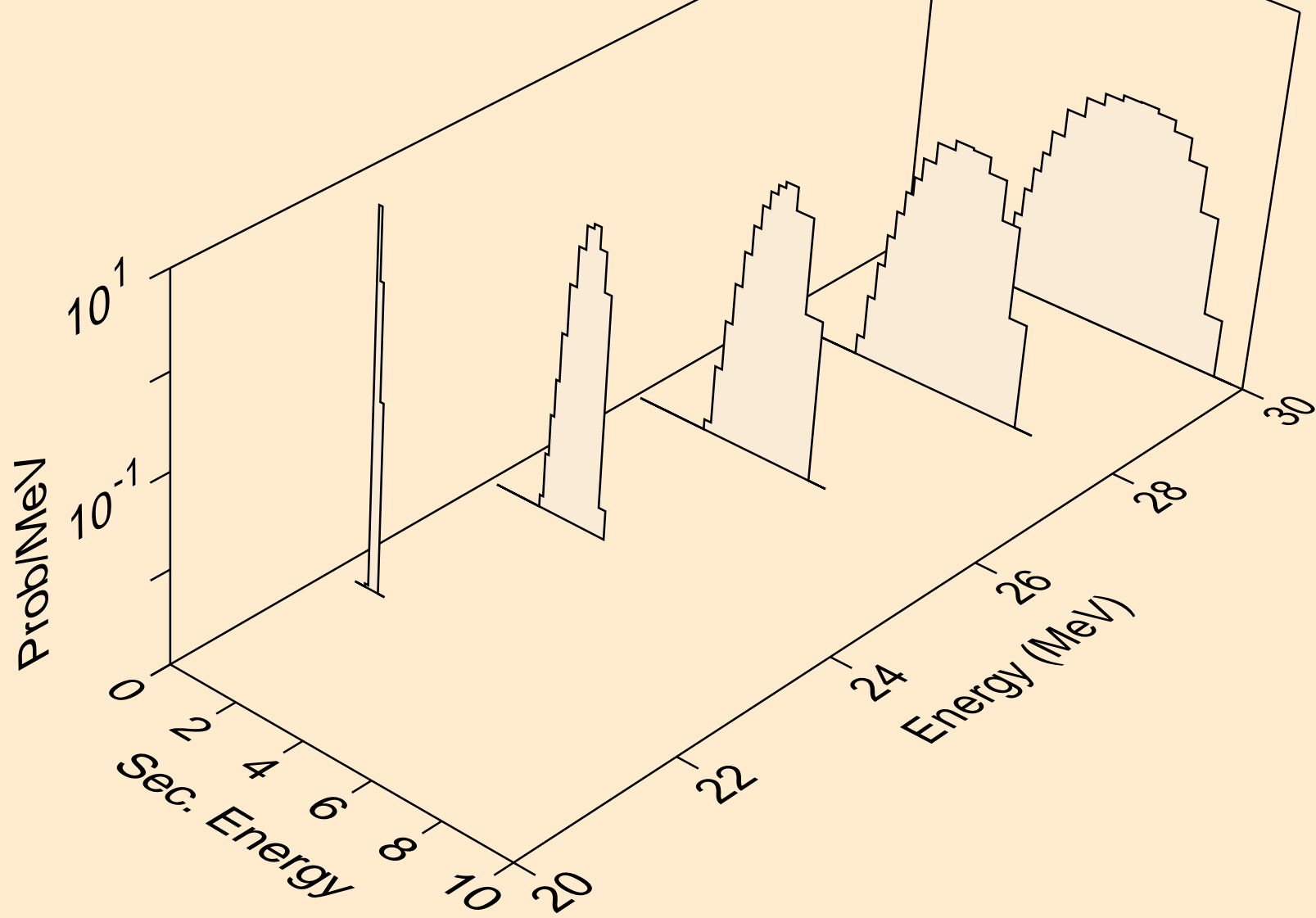
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)



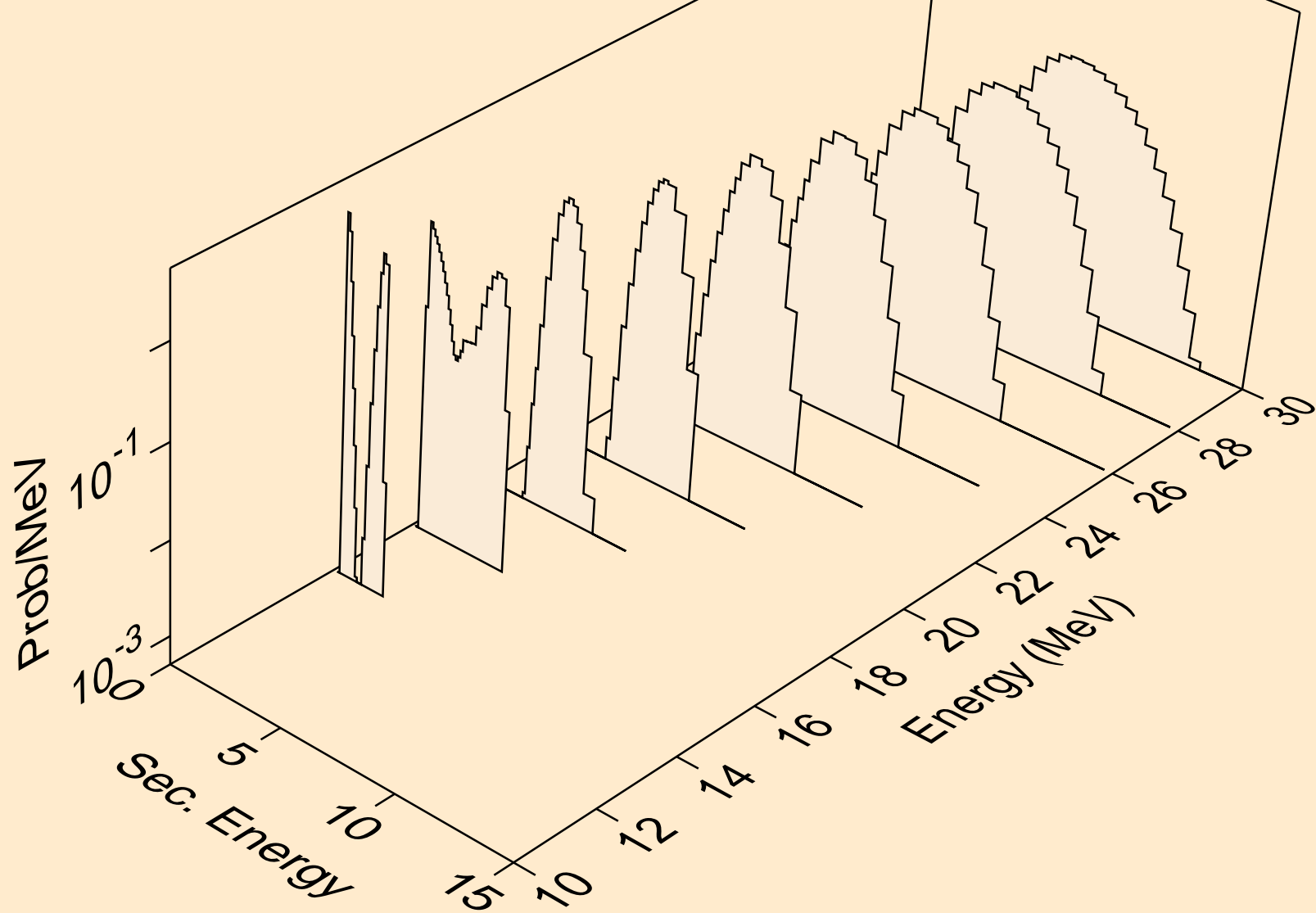
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



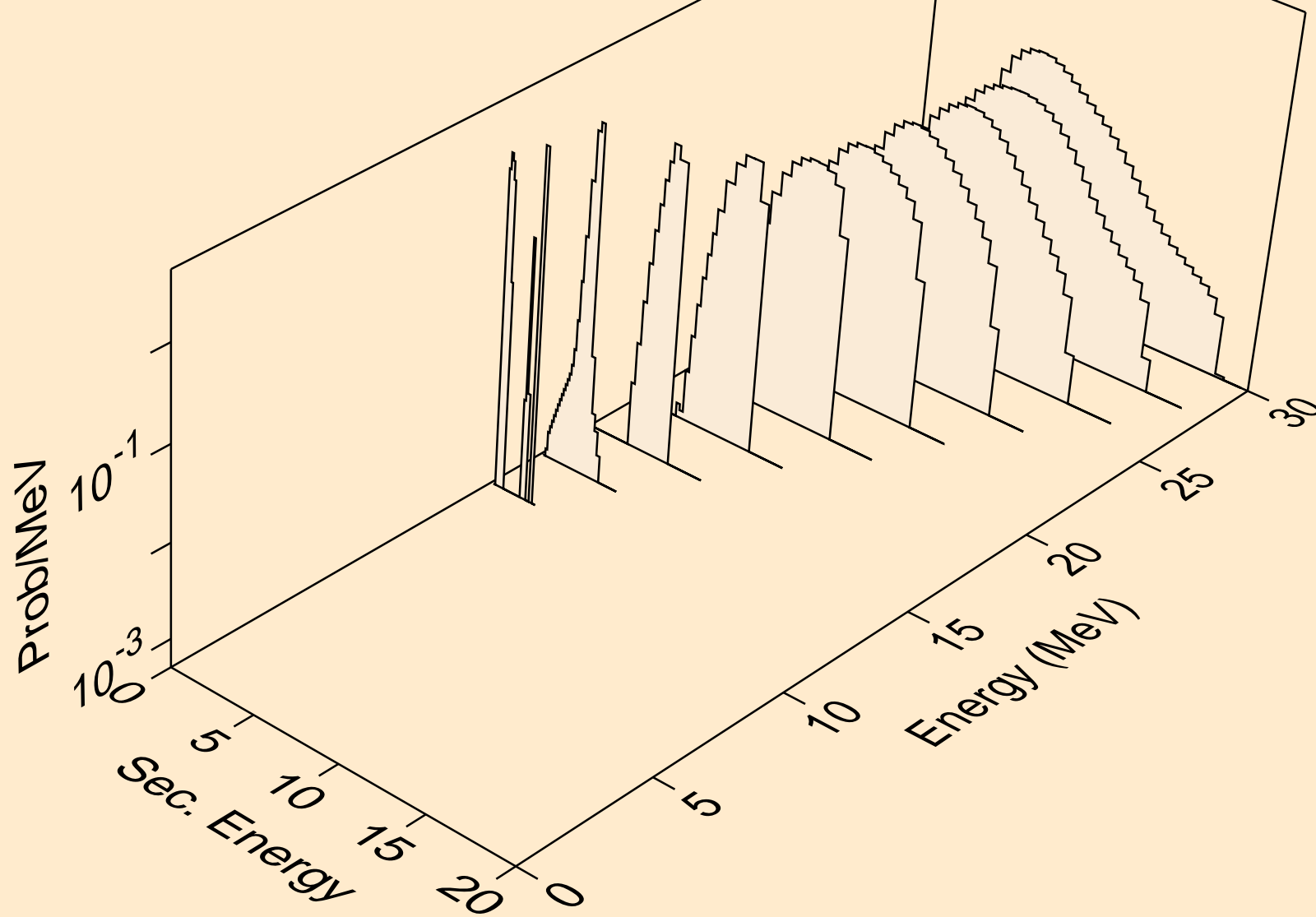
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



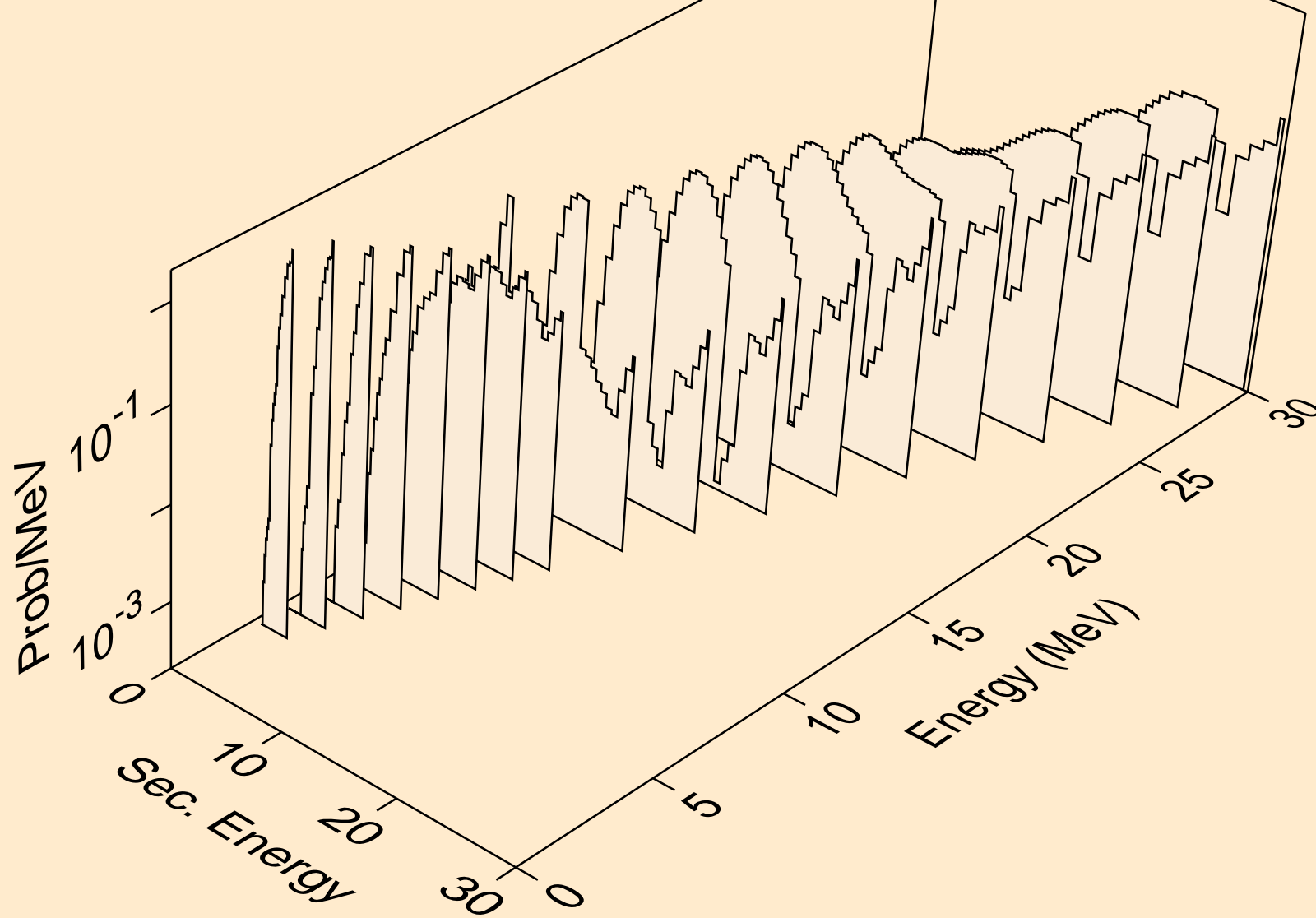
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n2p)



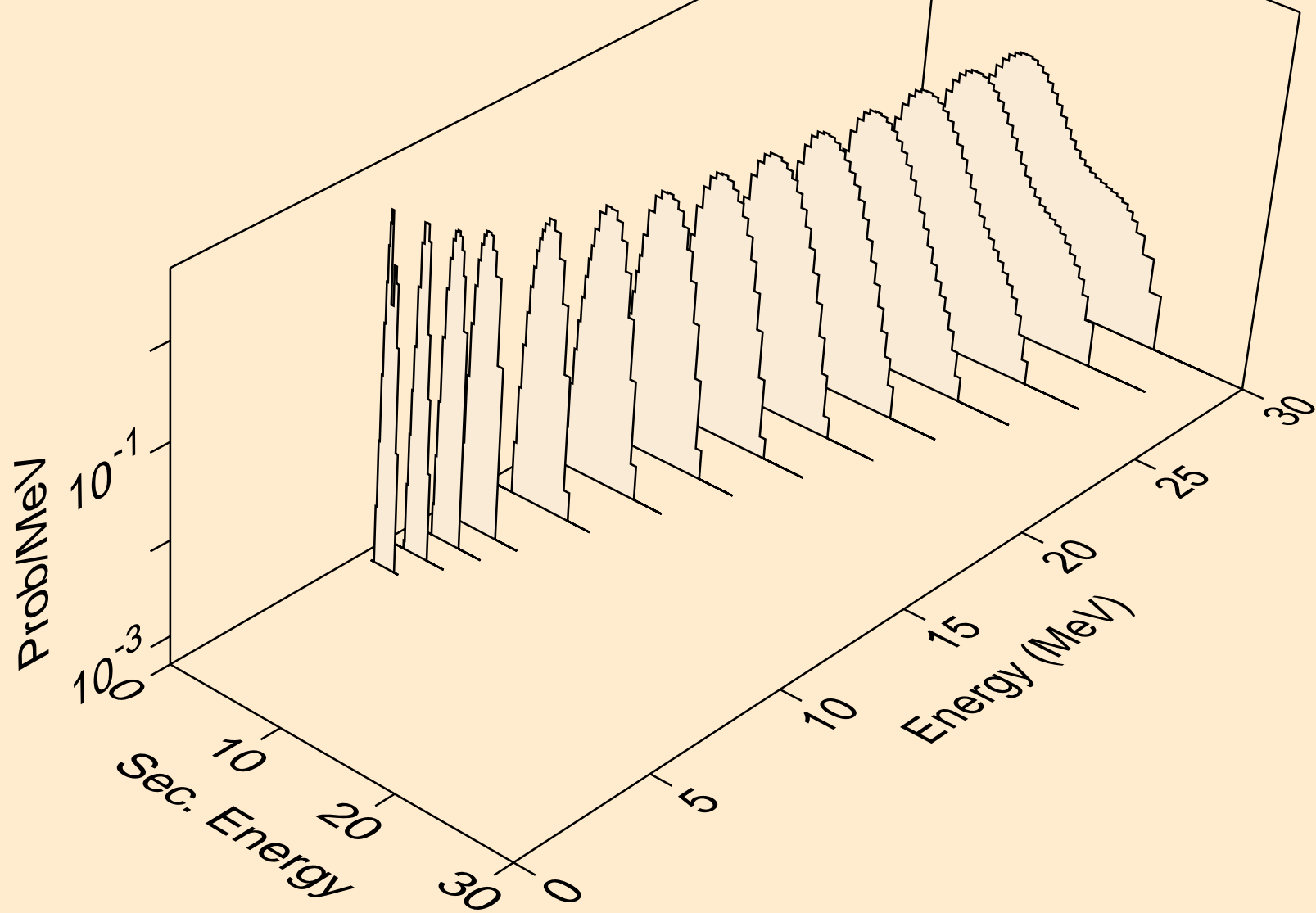
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,npa)



W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic

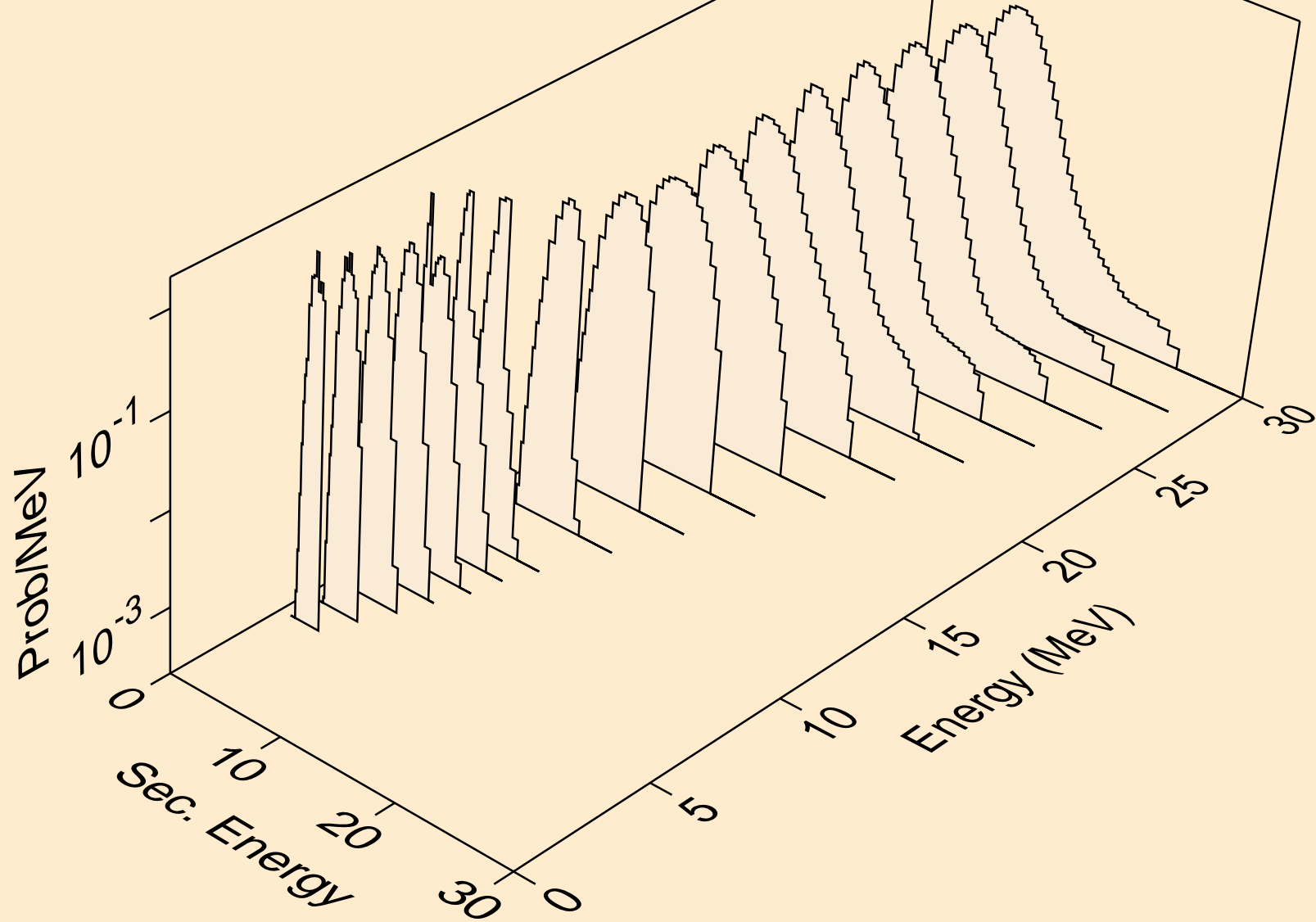


W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2p)

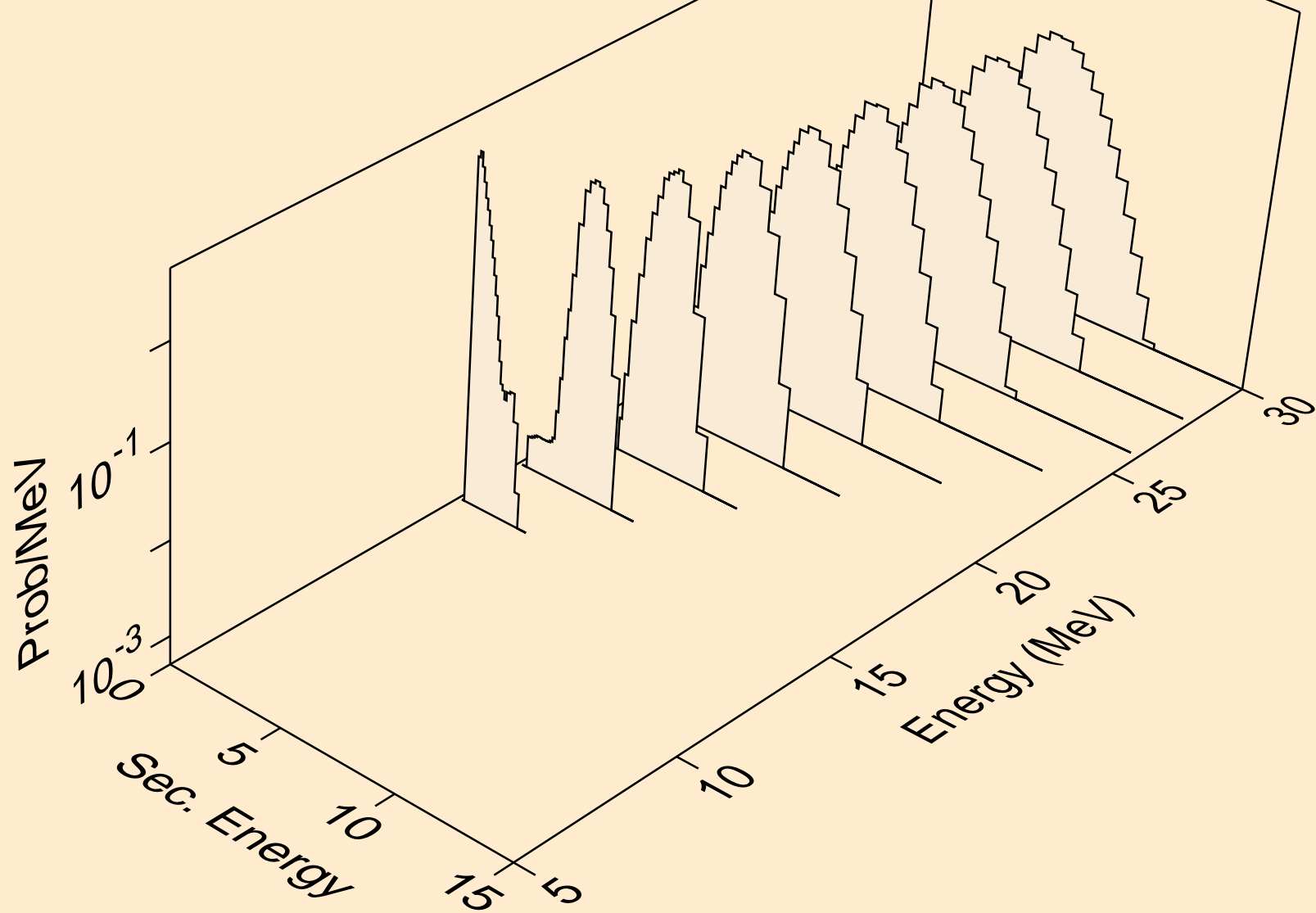




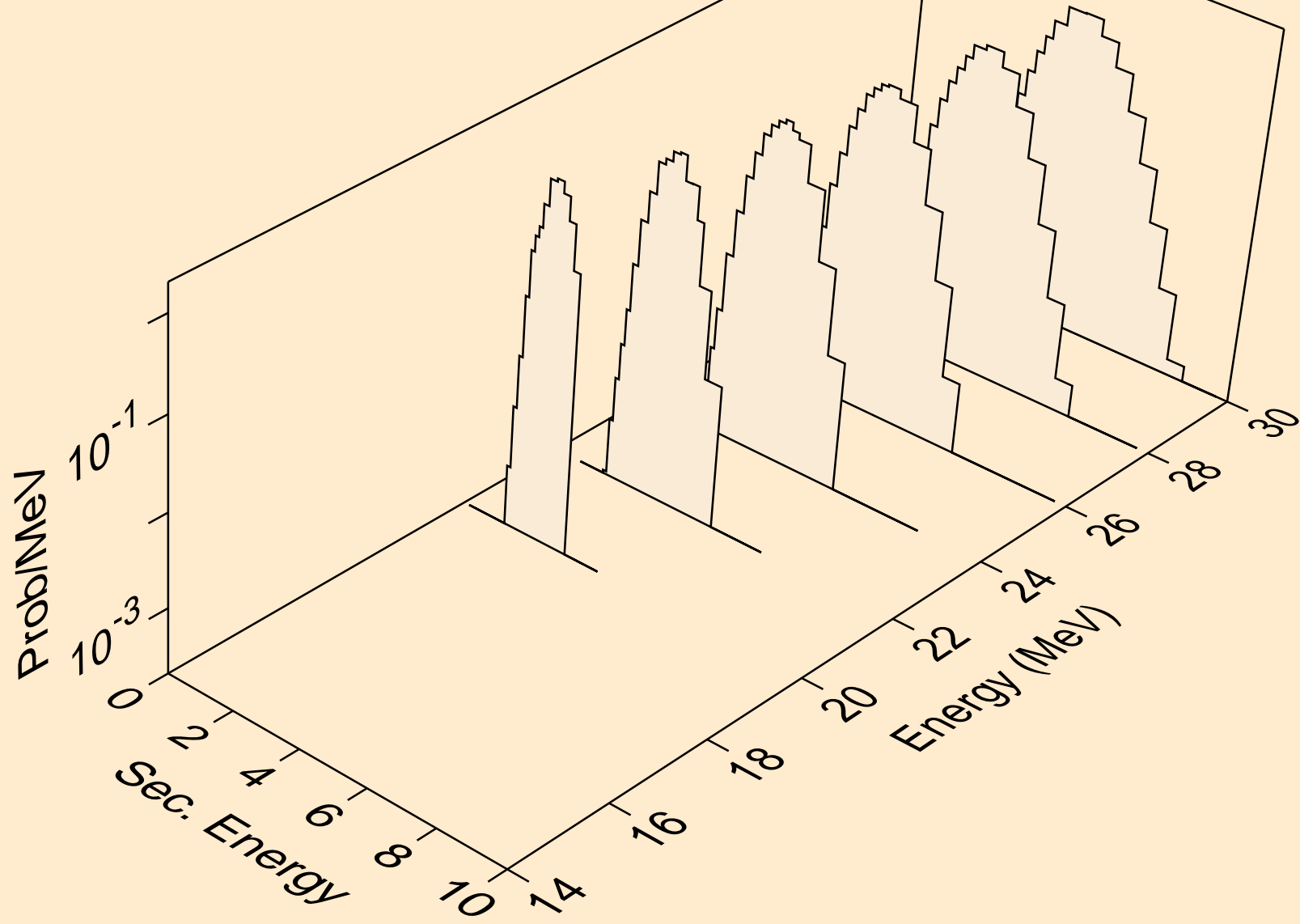
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pa)



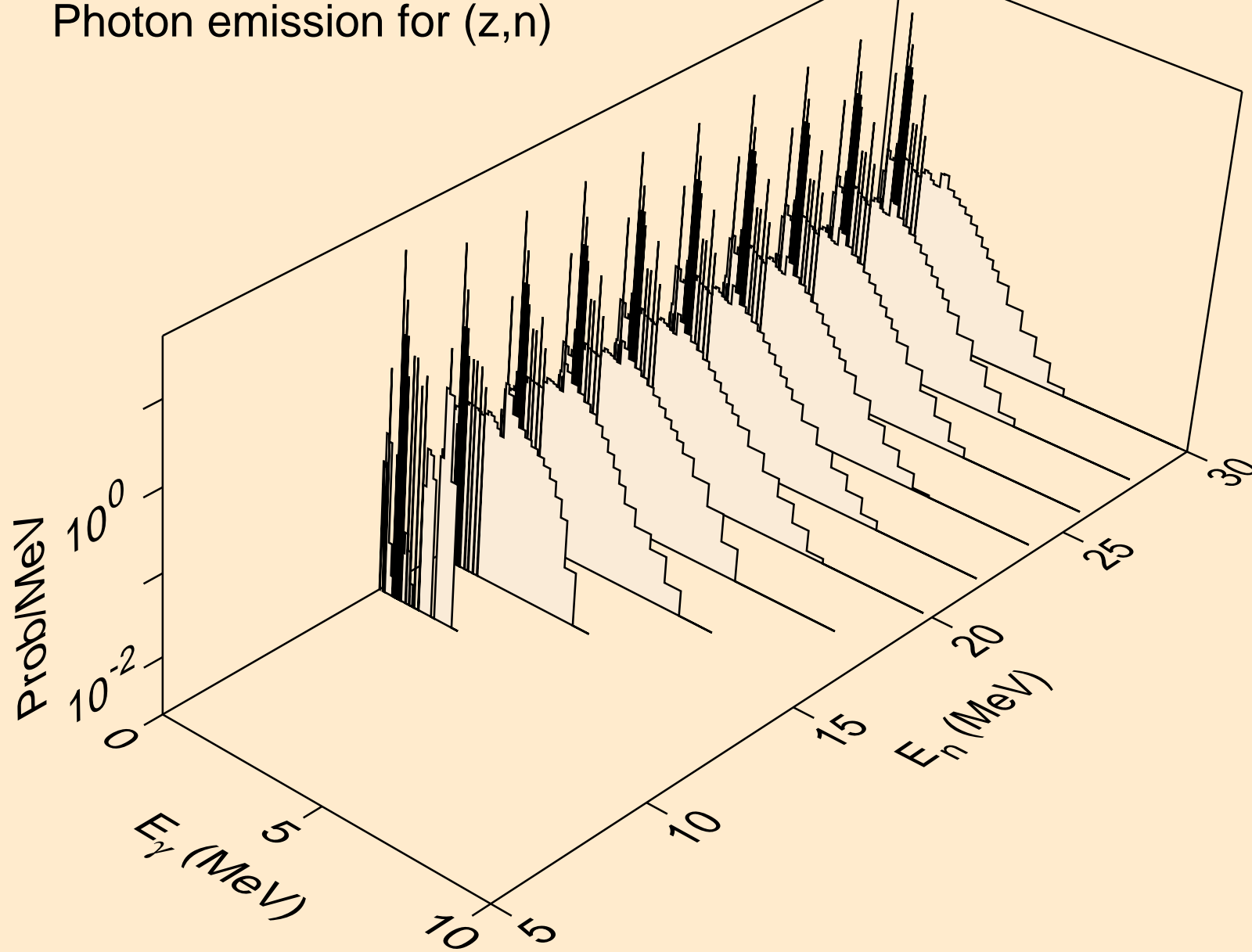
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pd)



W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pt)

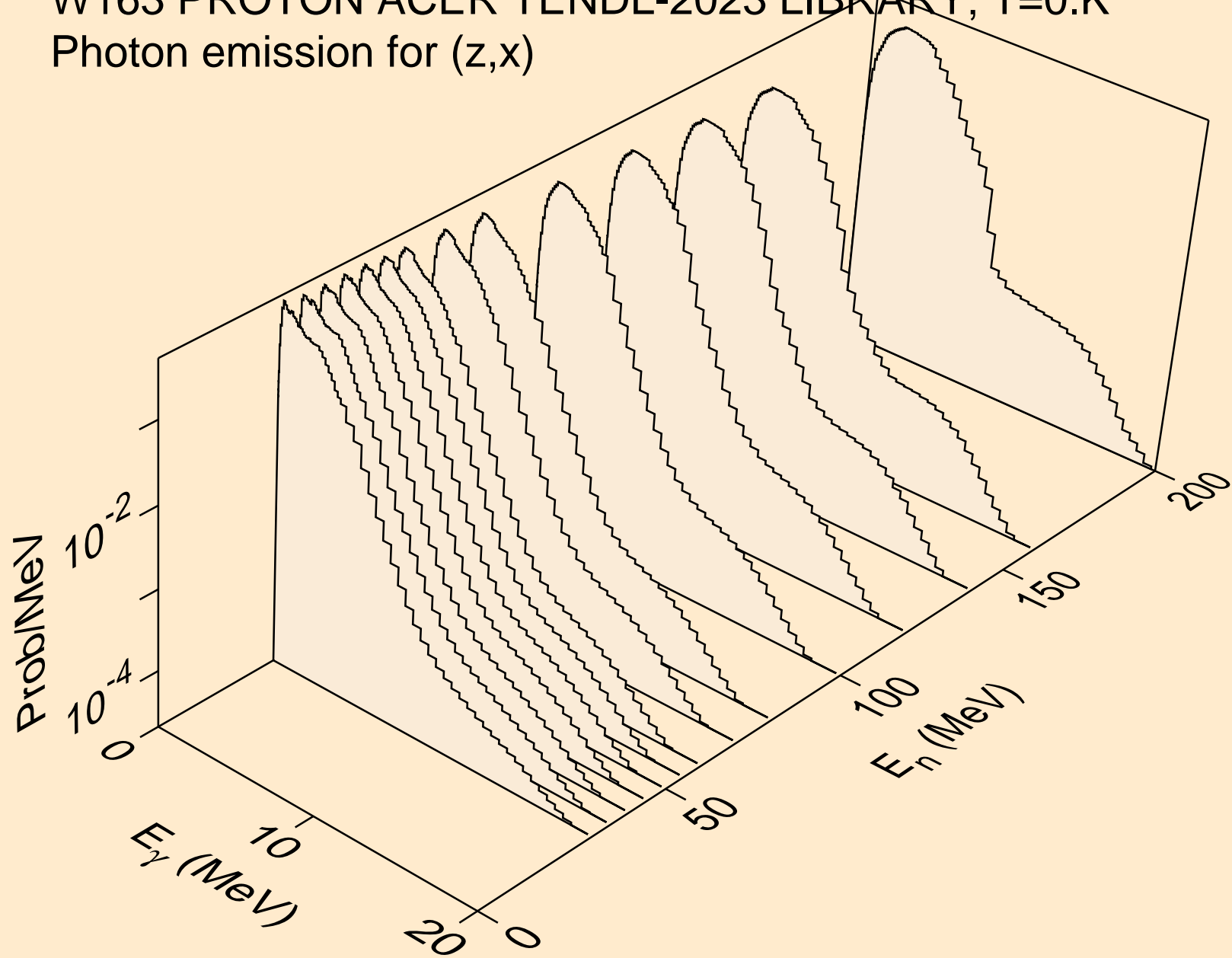


W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)

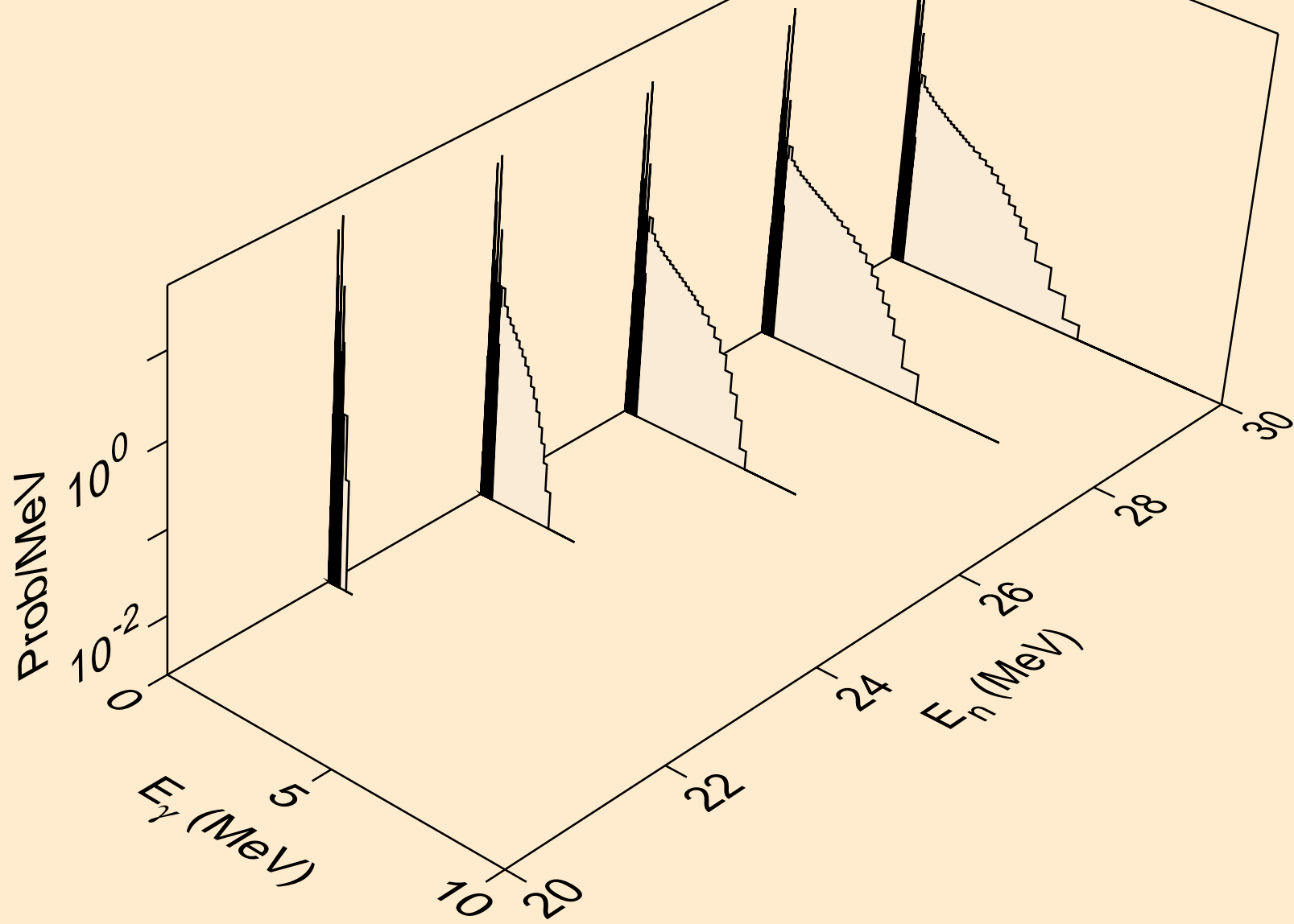


# W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

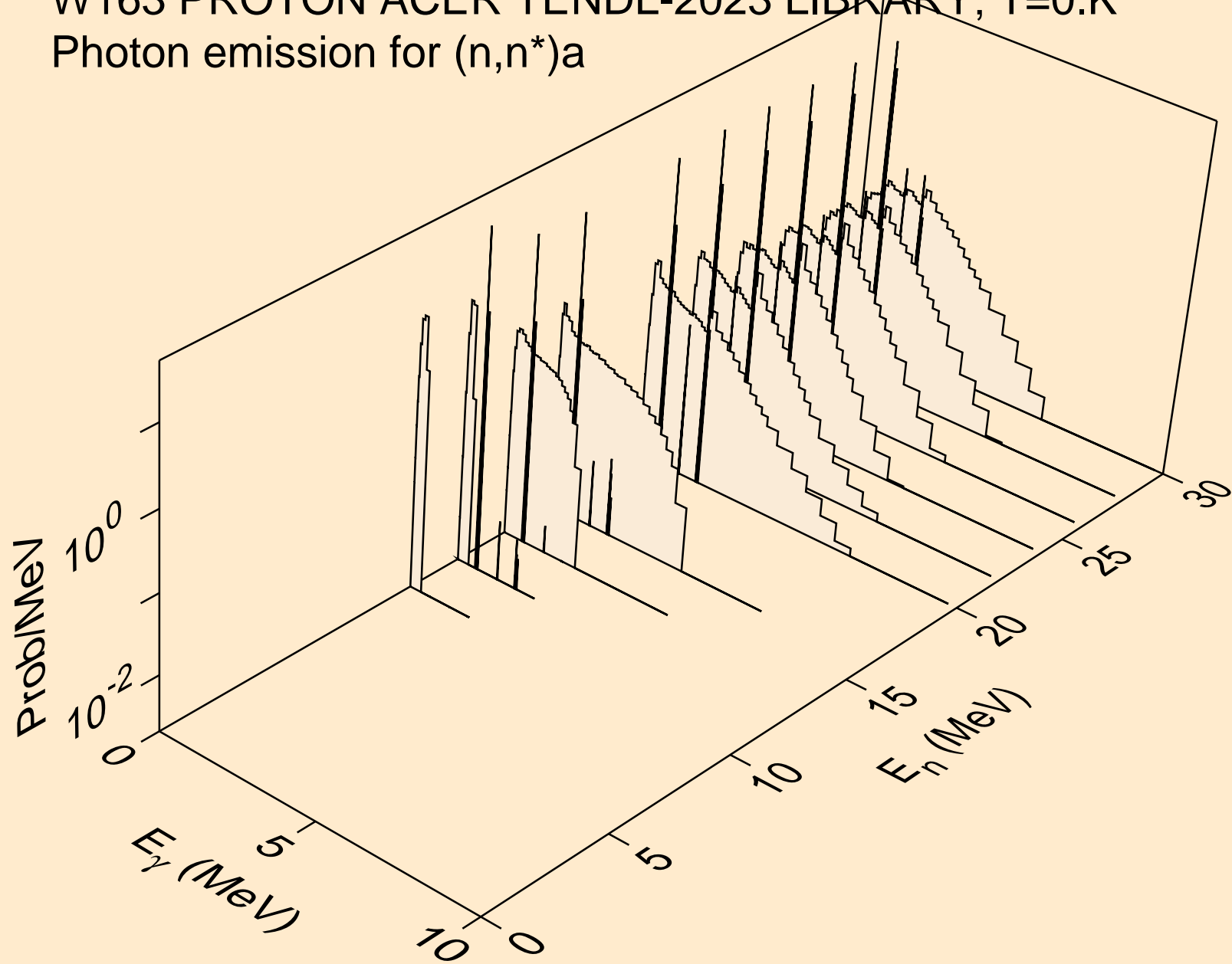
Photon emission for (z,x)



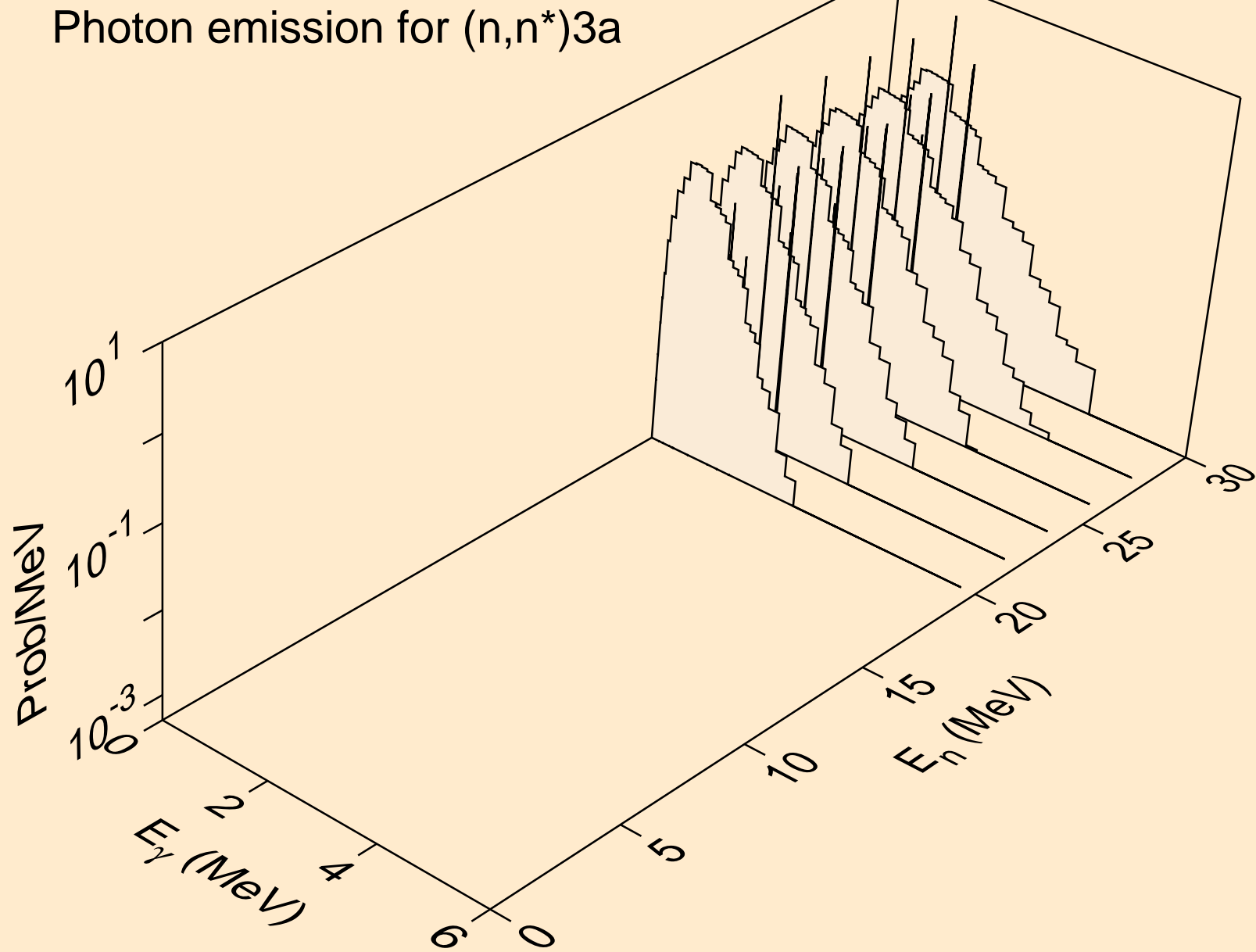
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

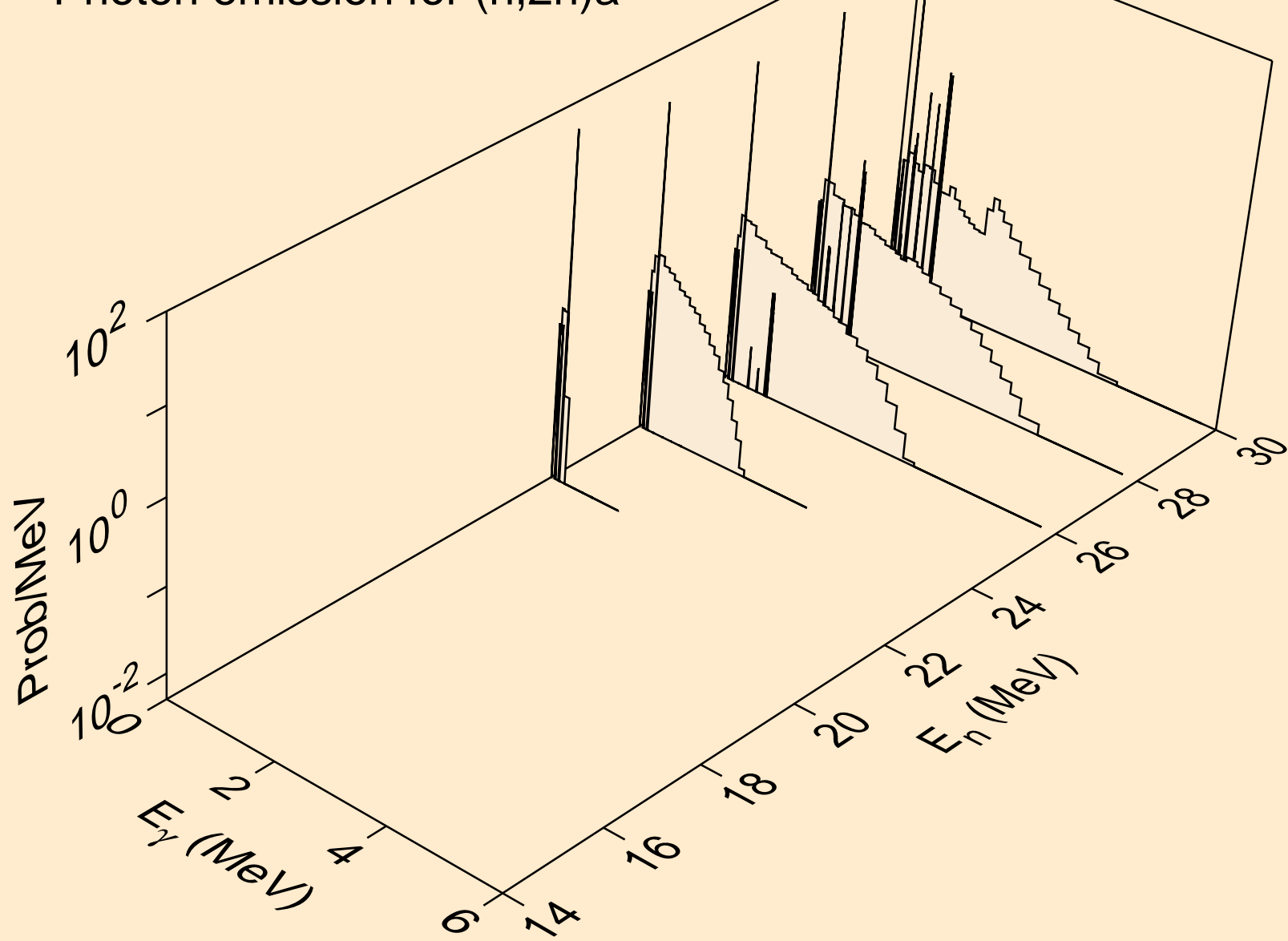


W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)3a

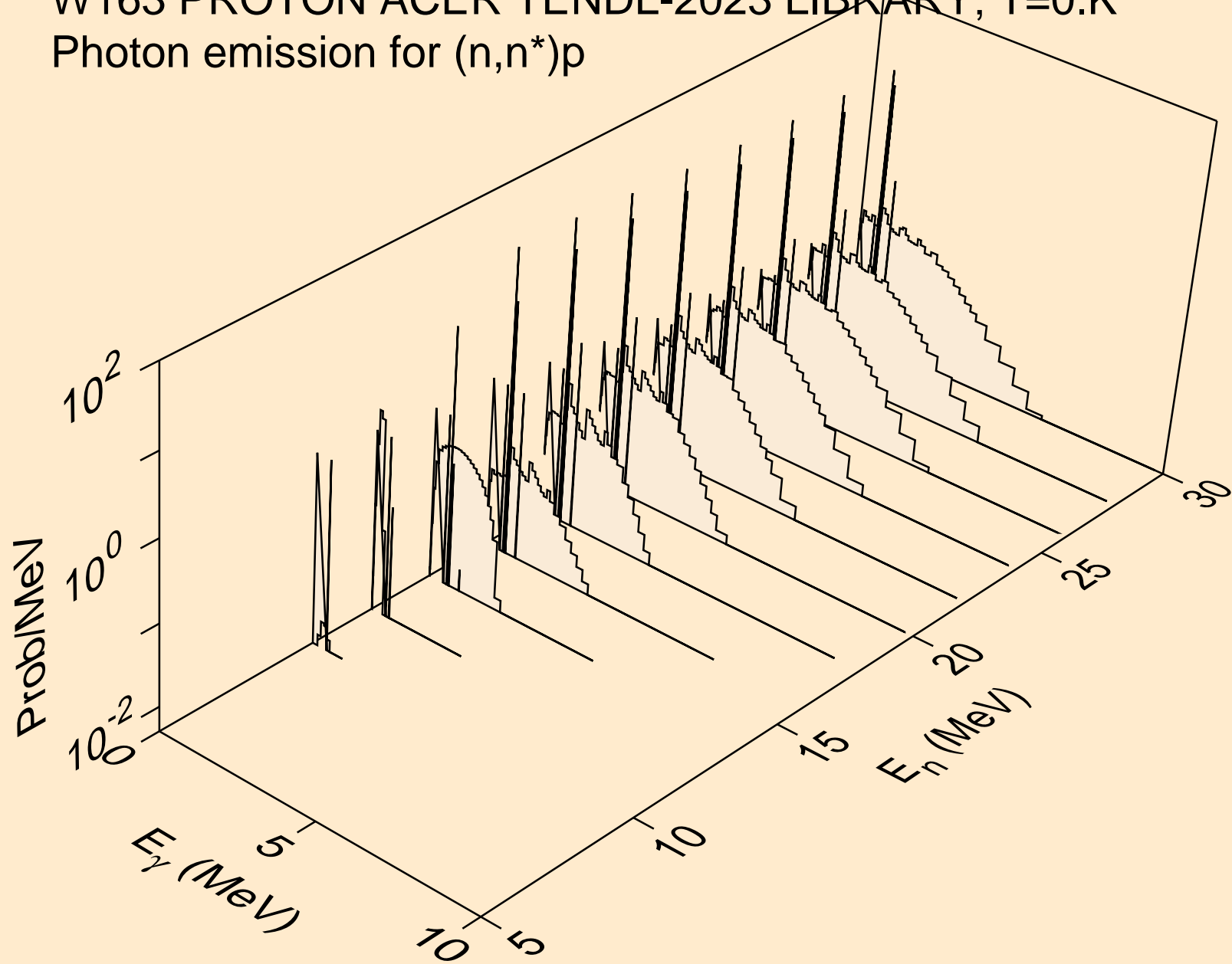




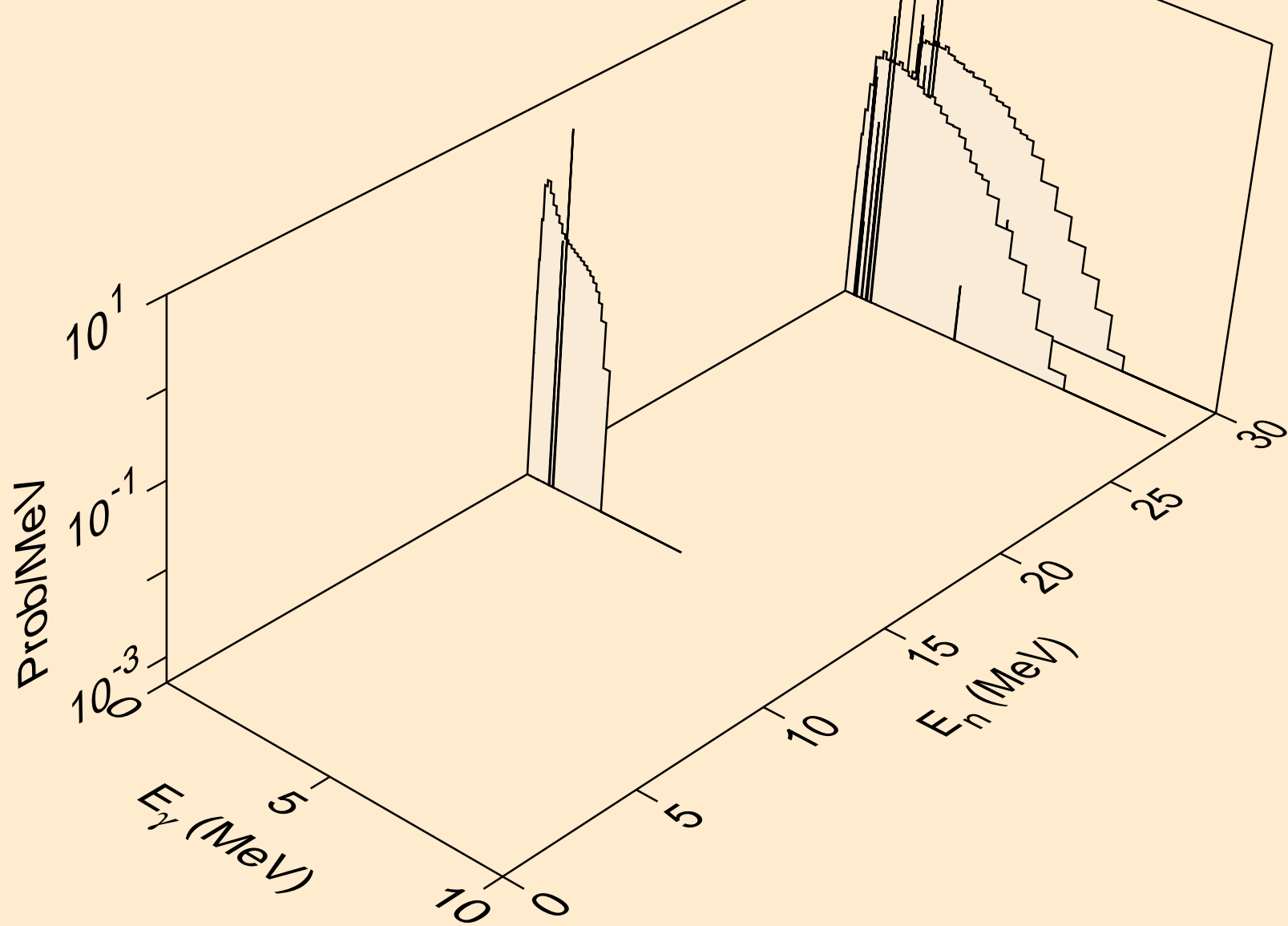
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



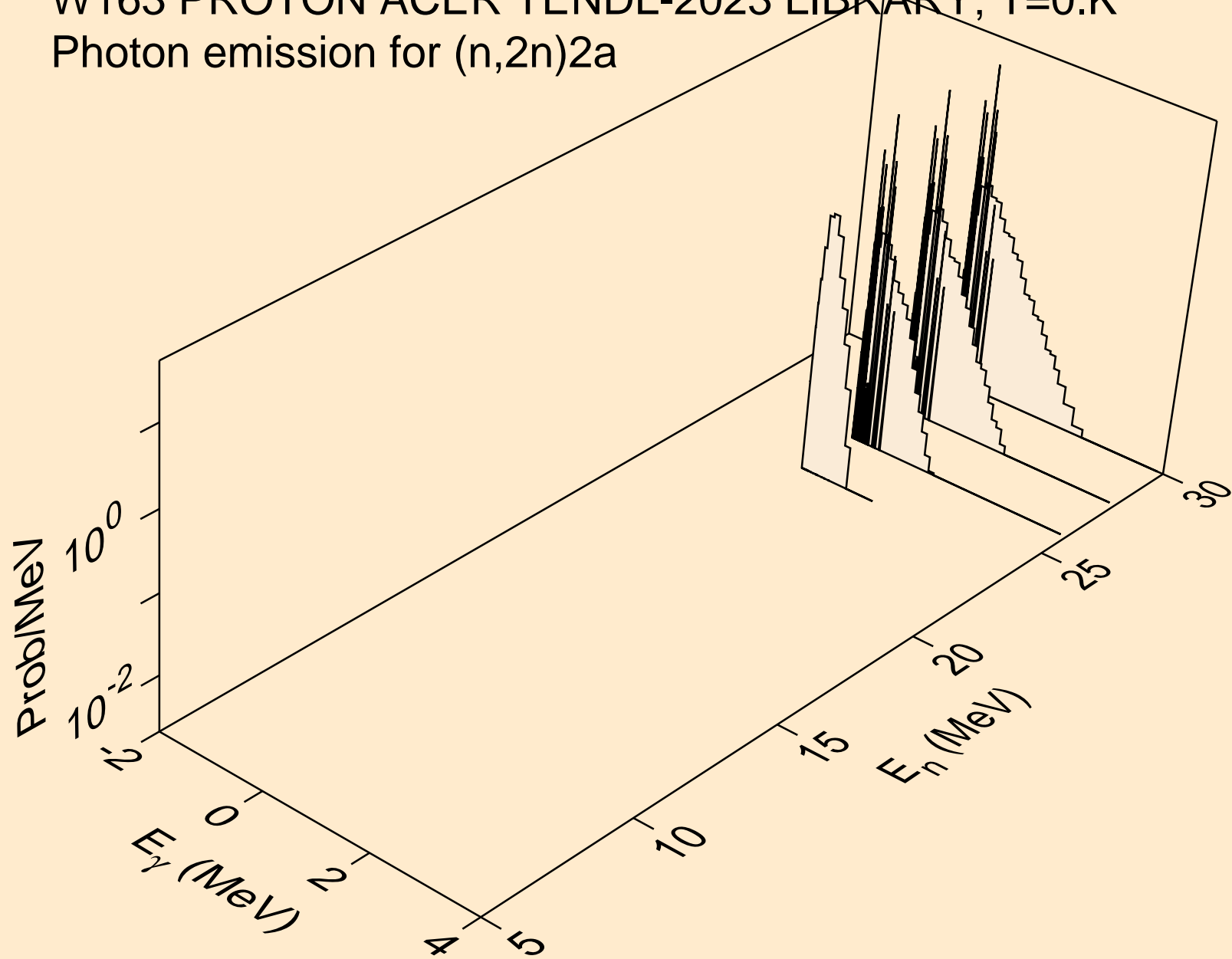
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



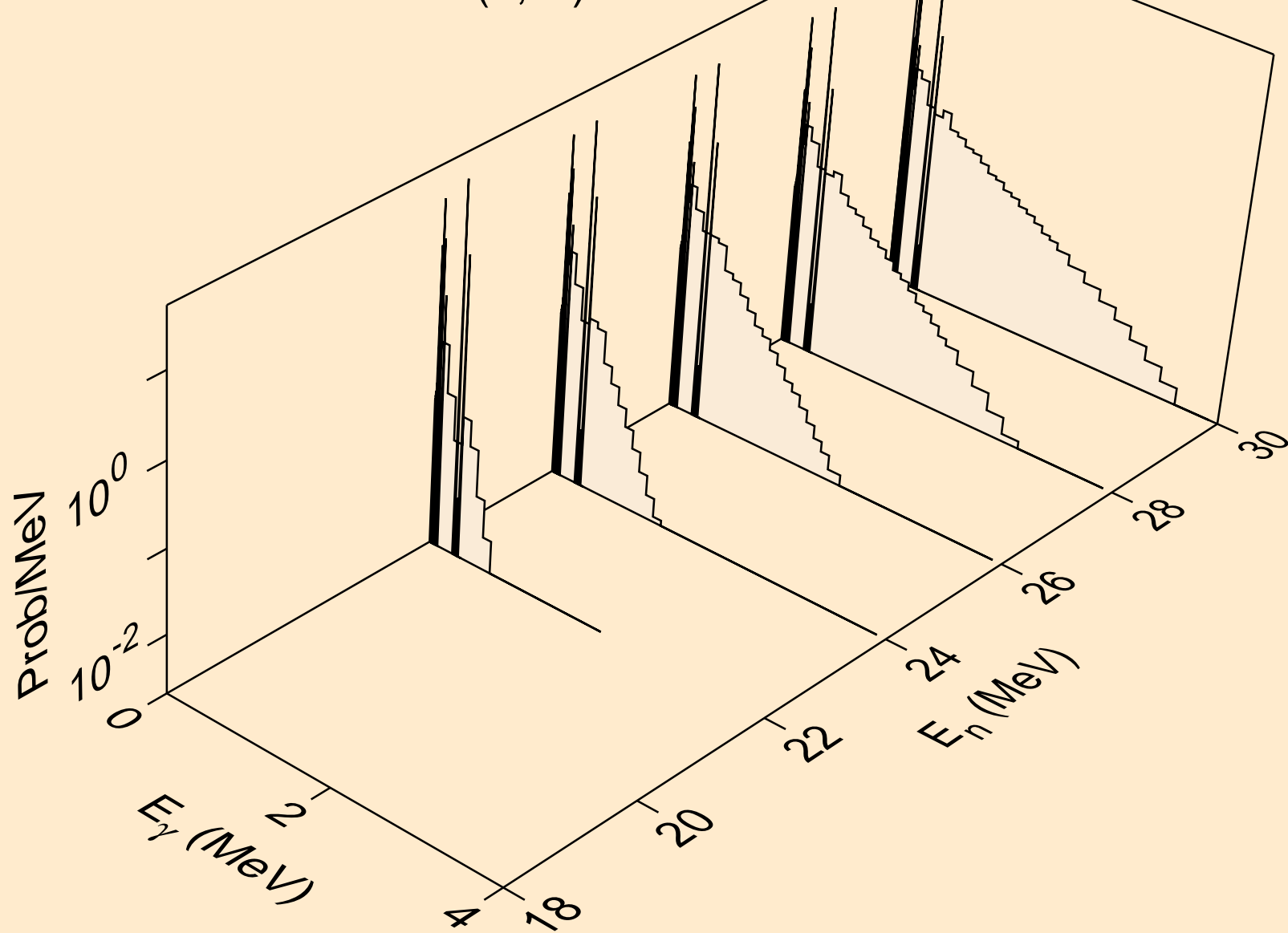
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



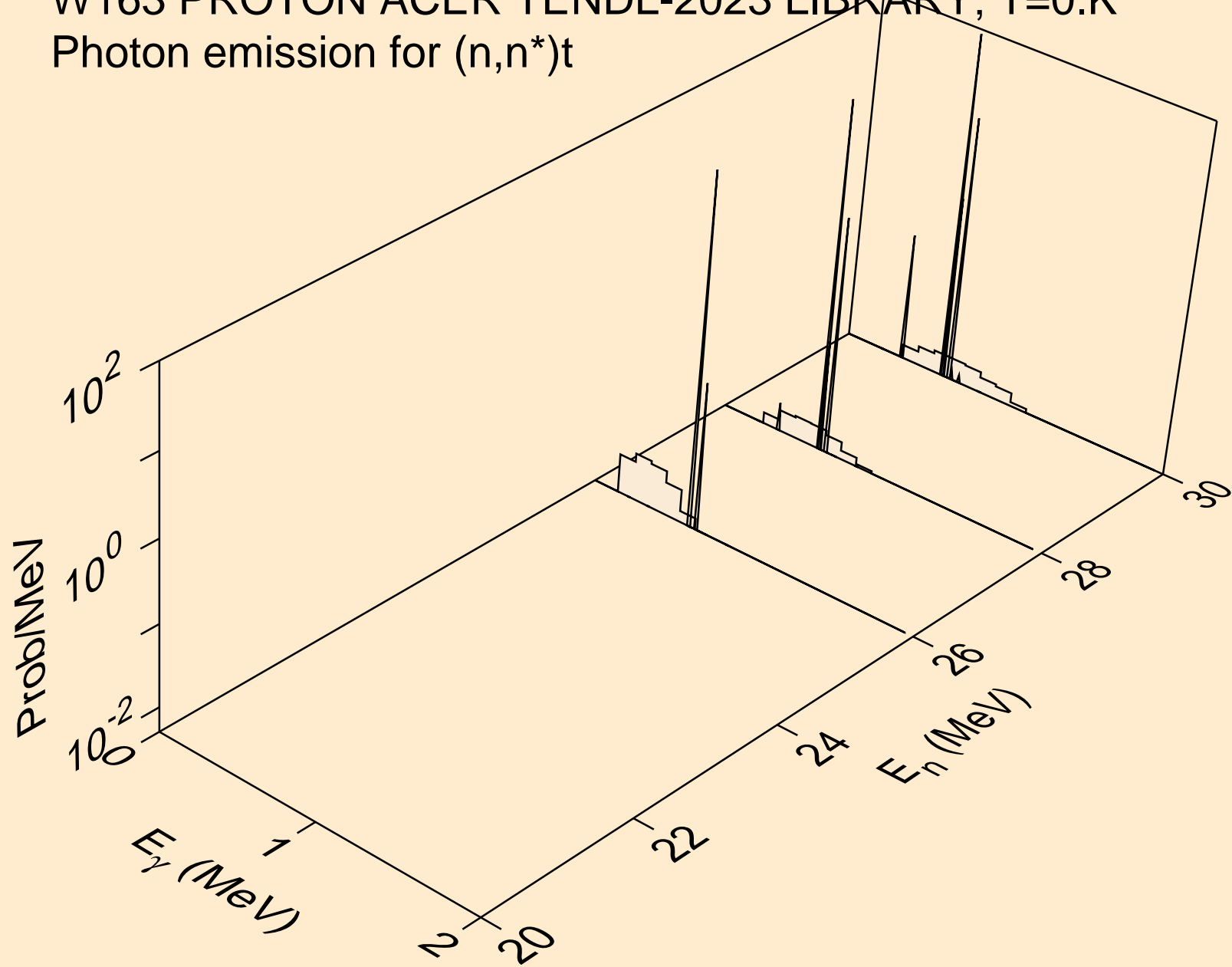
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



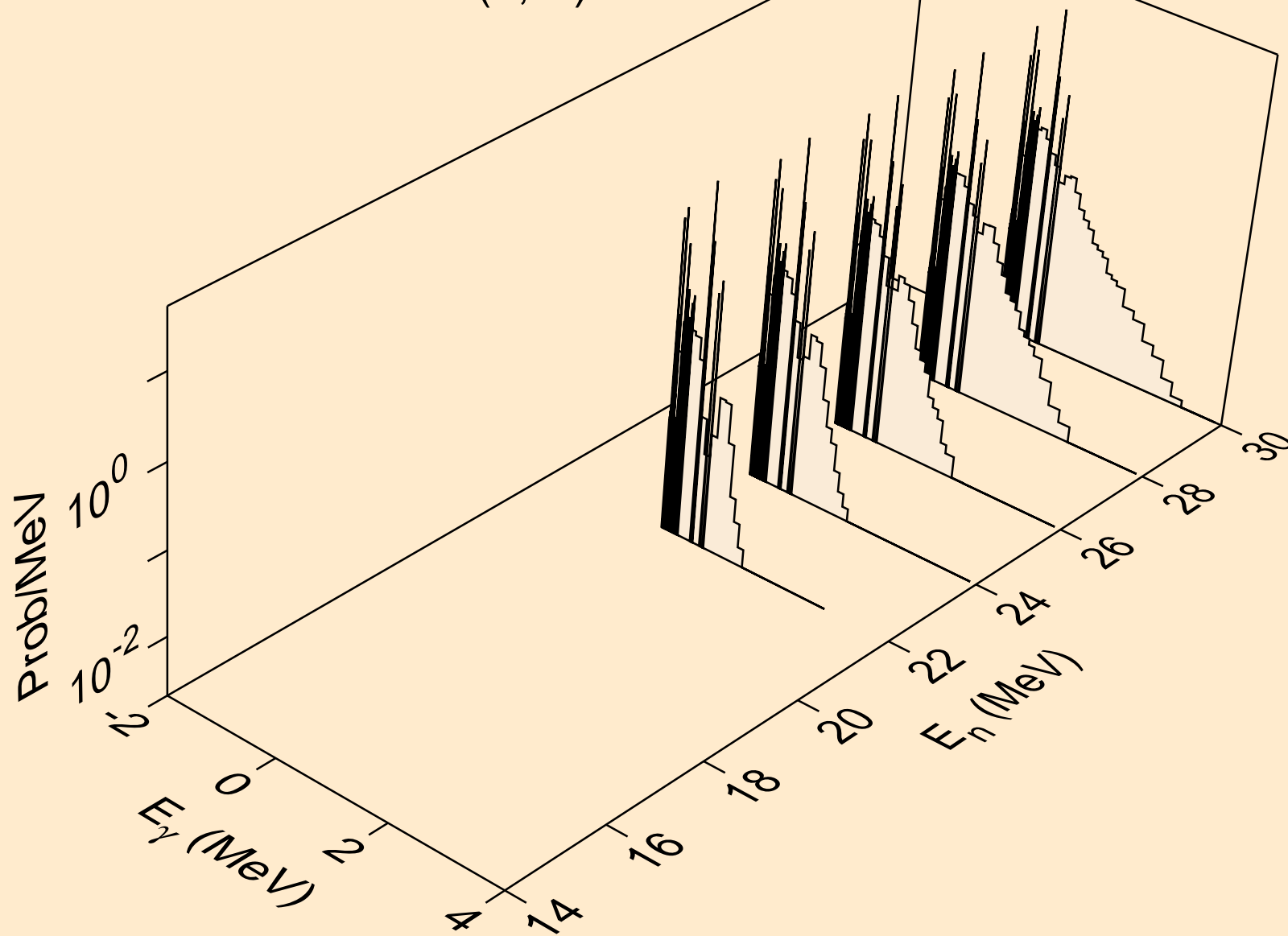
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



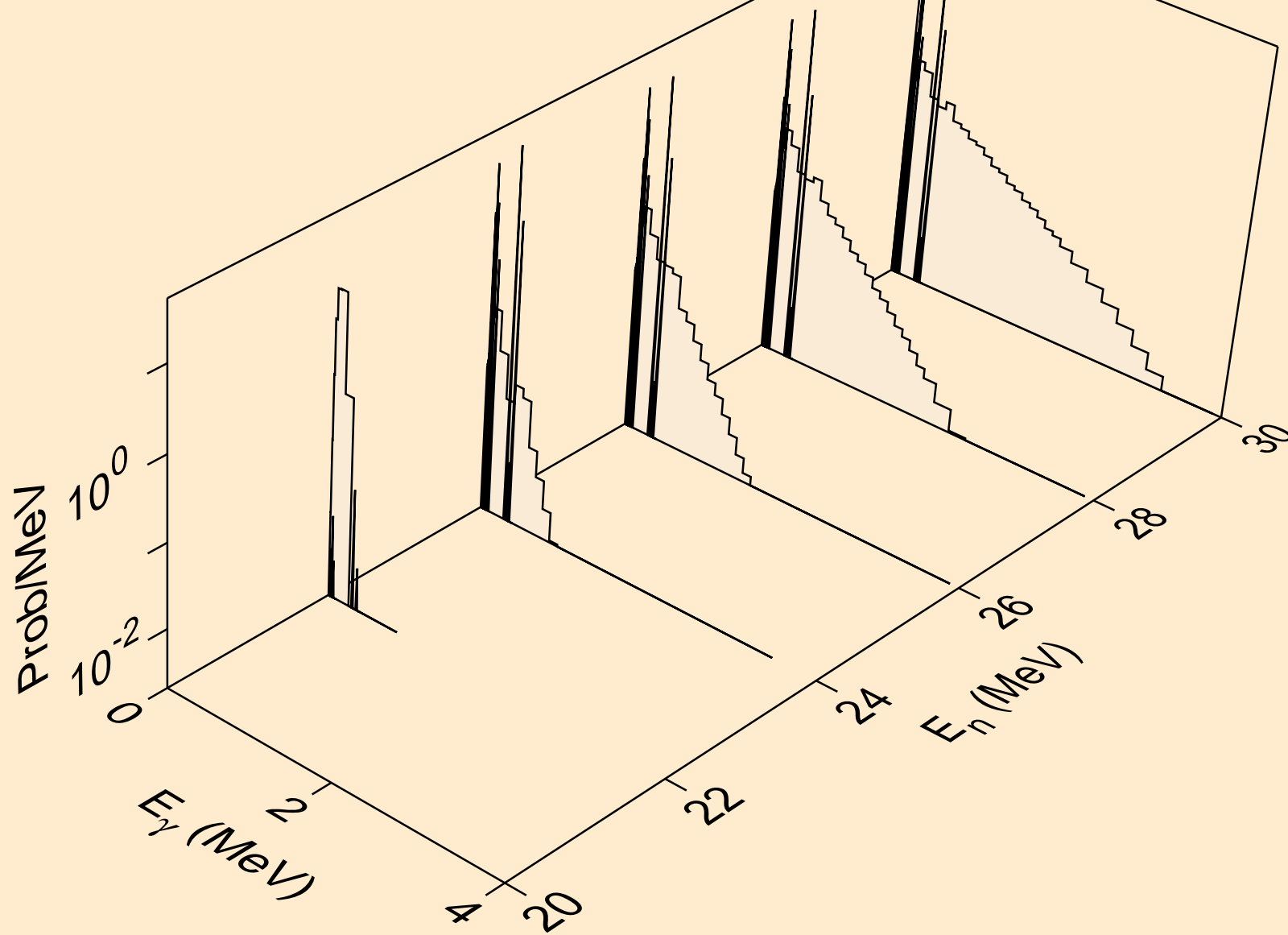
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

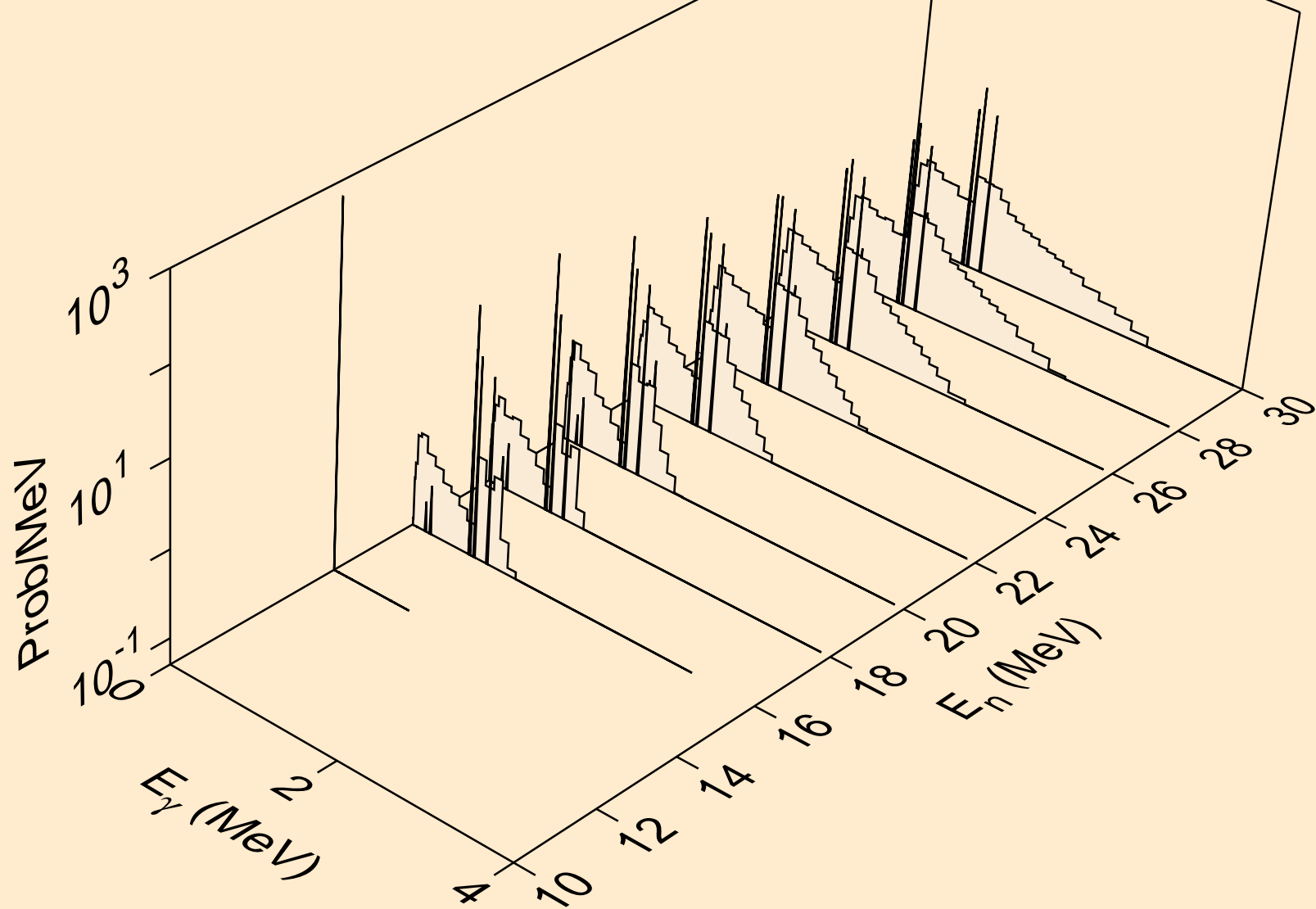


W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

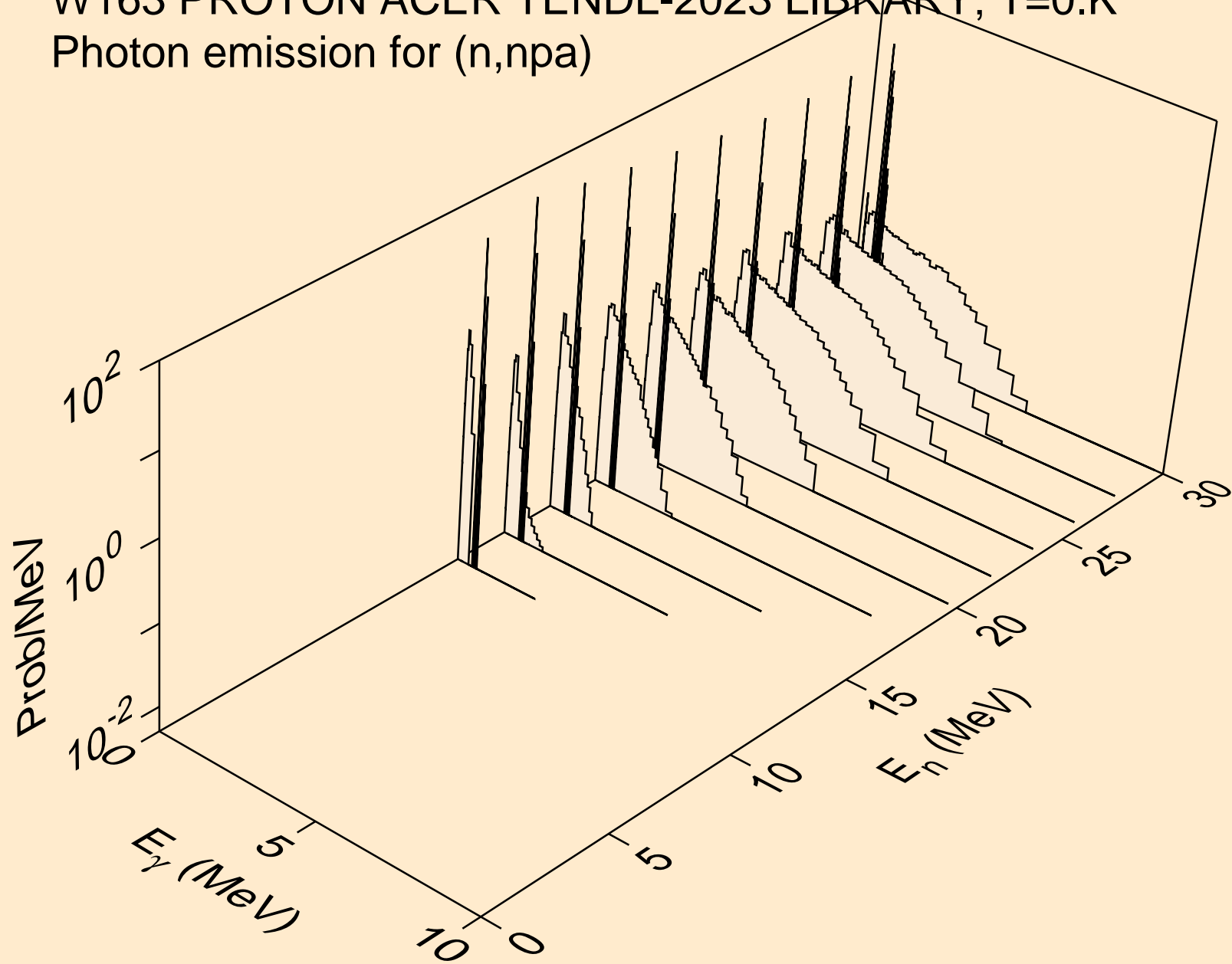




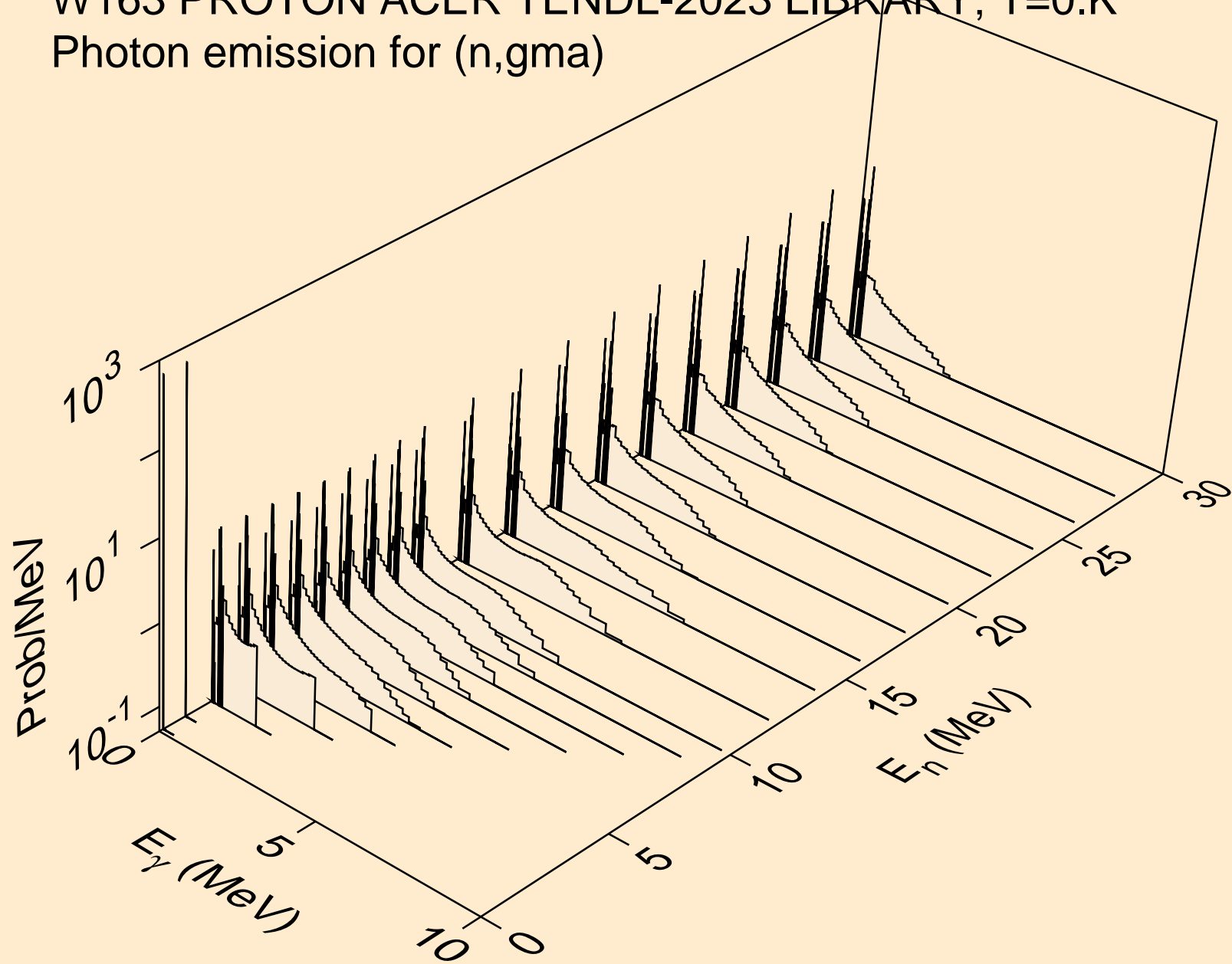
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



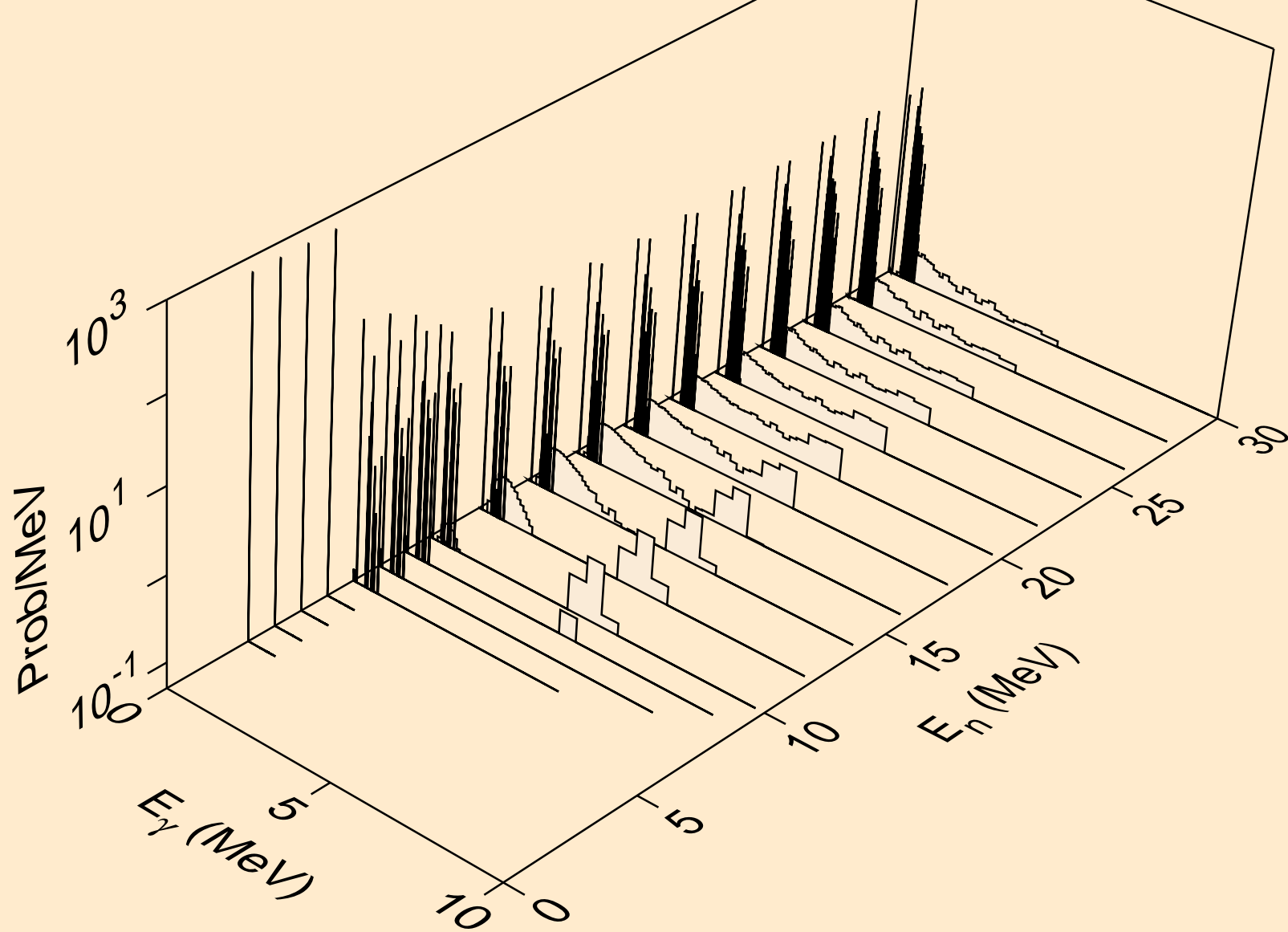
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



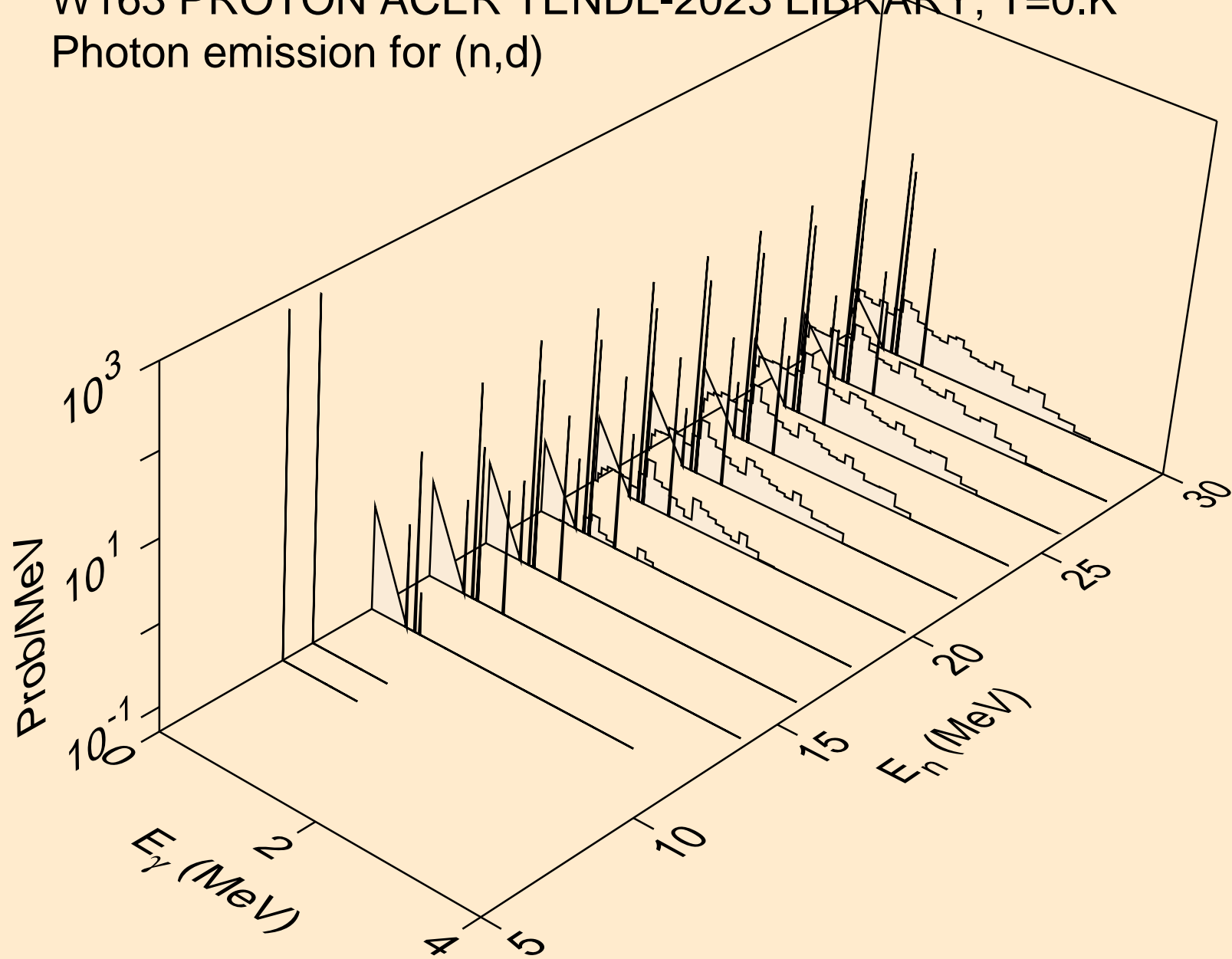
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



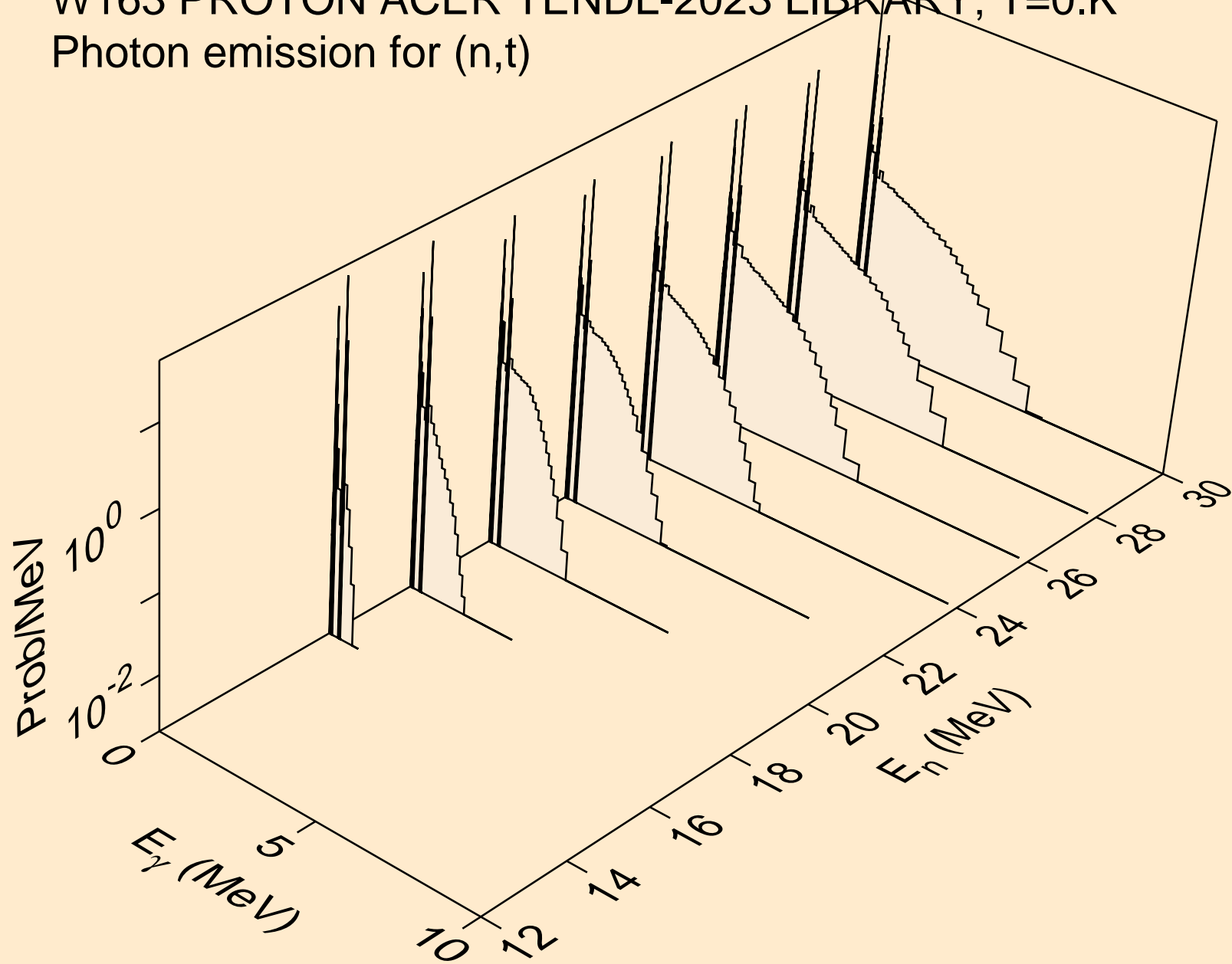
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



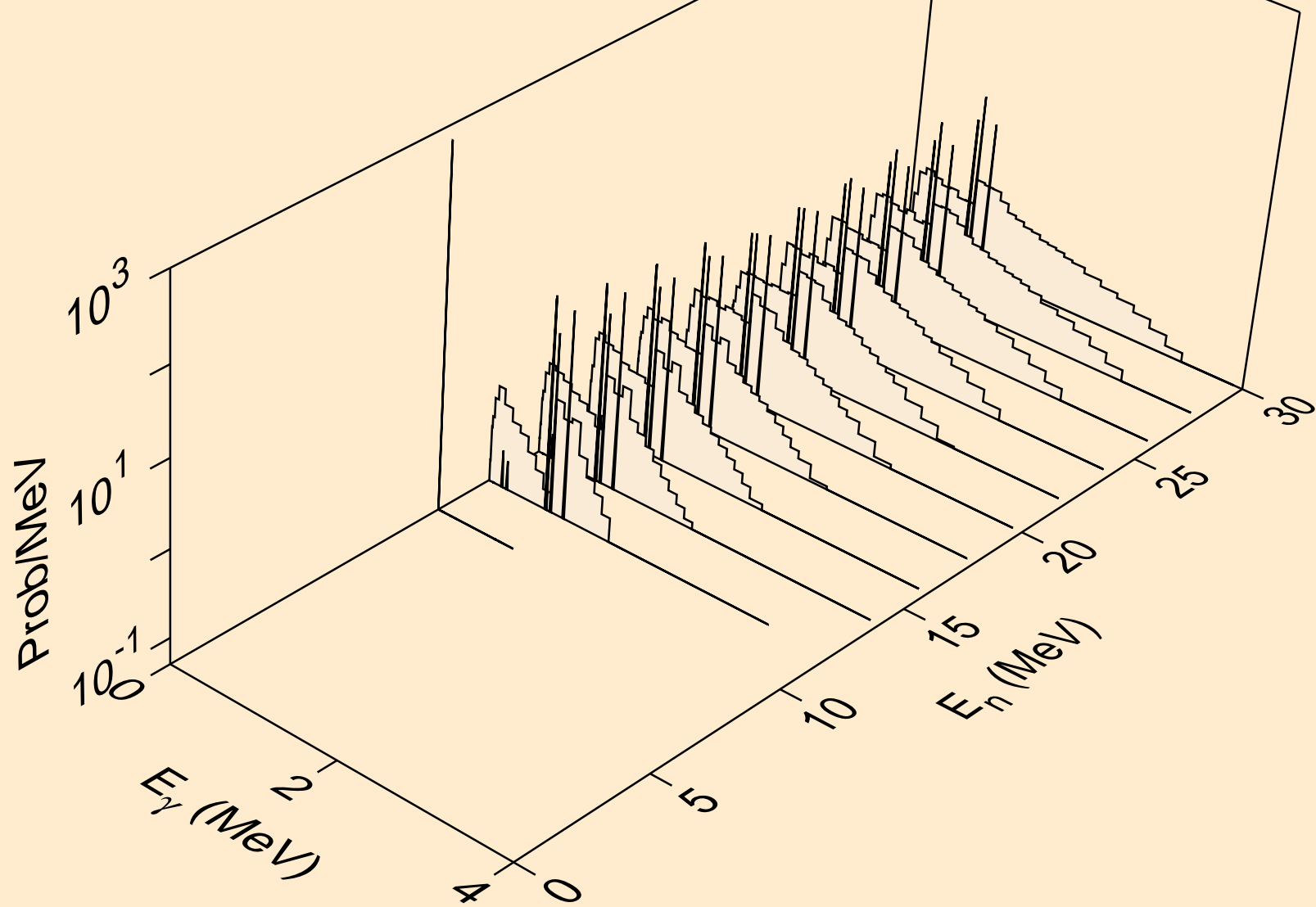
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



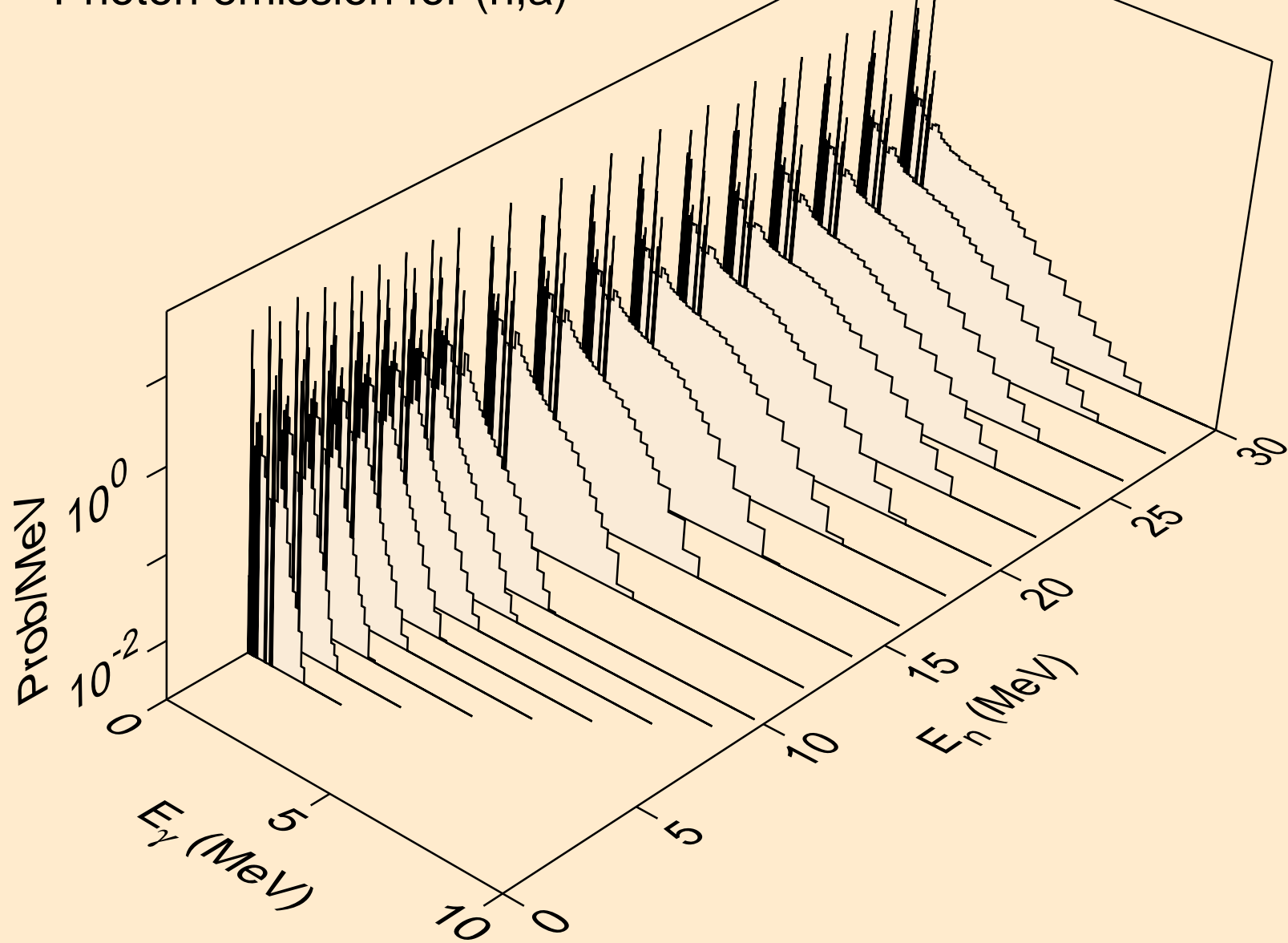
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)

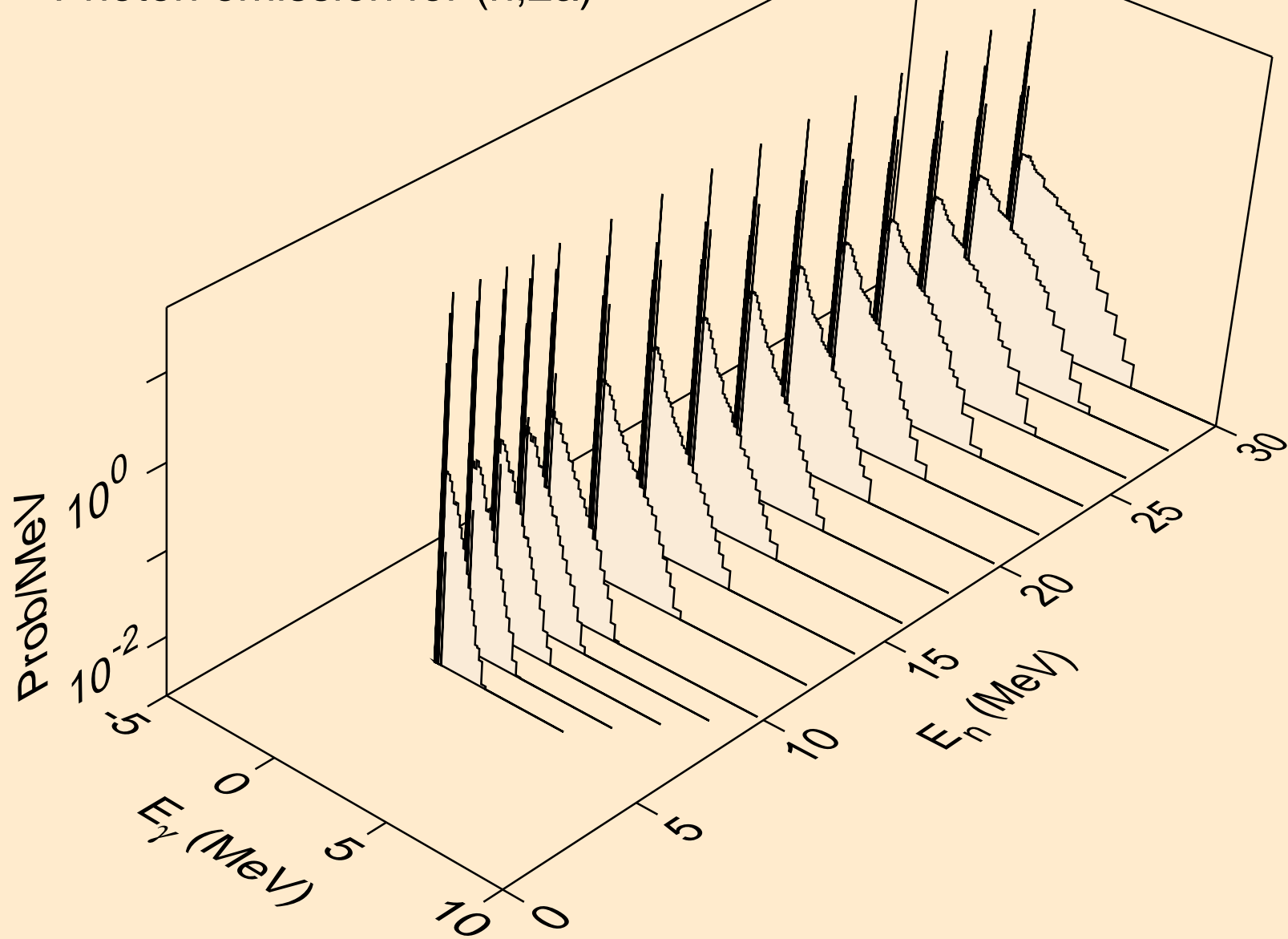


W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

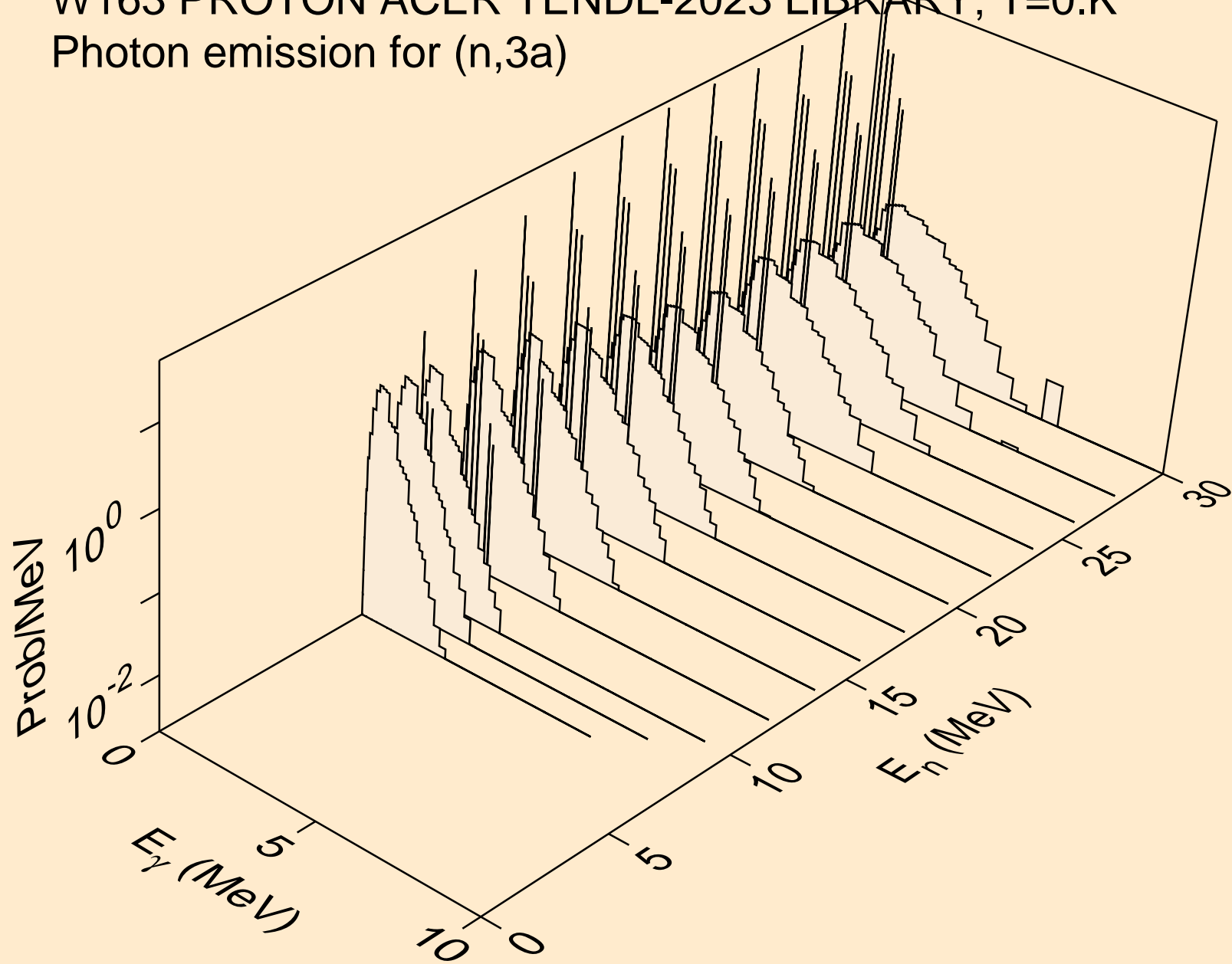




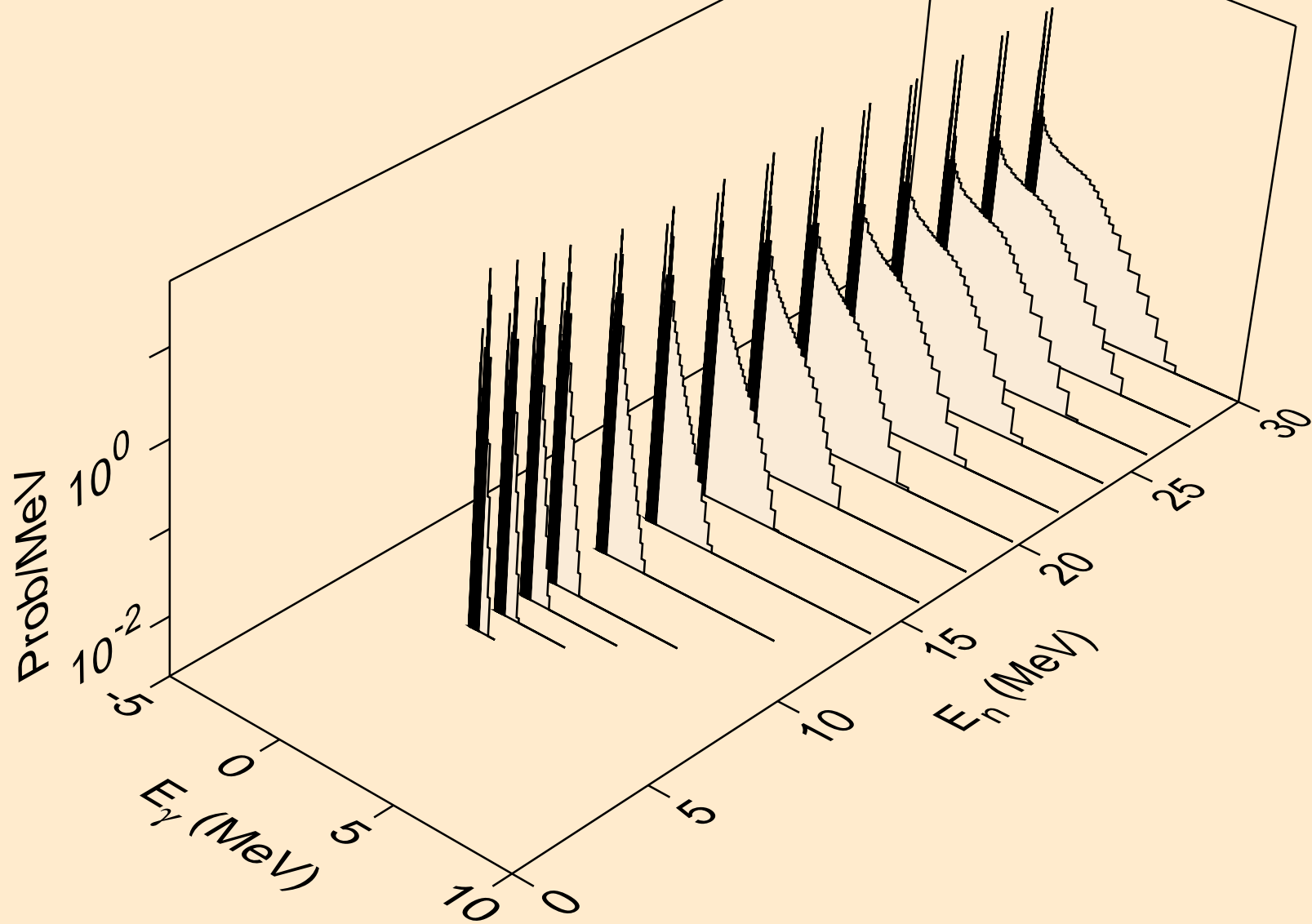
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



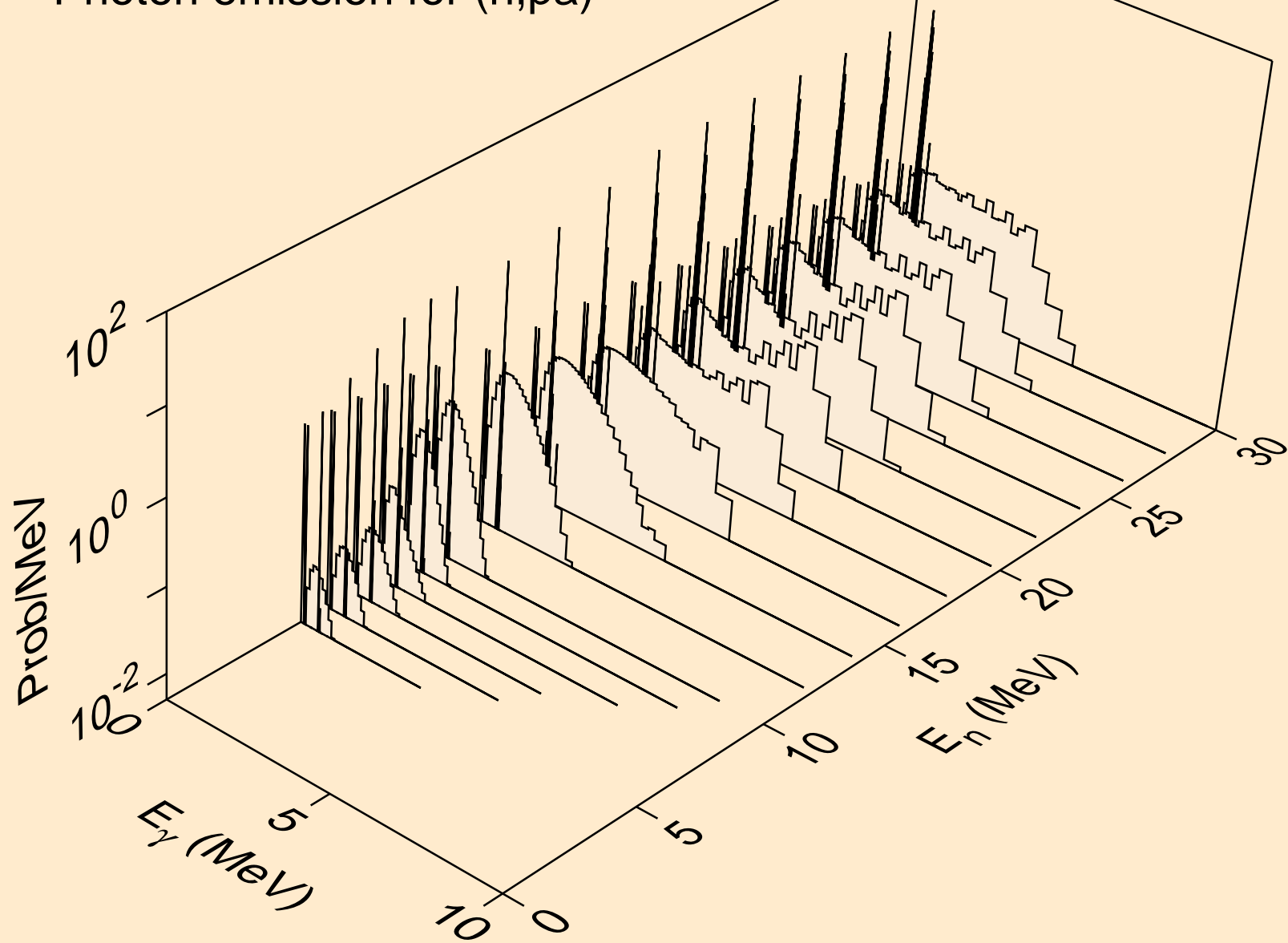
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3a)



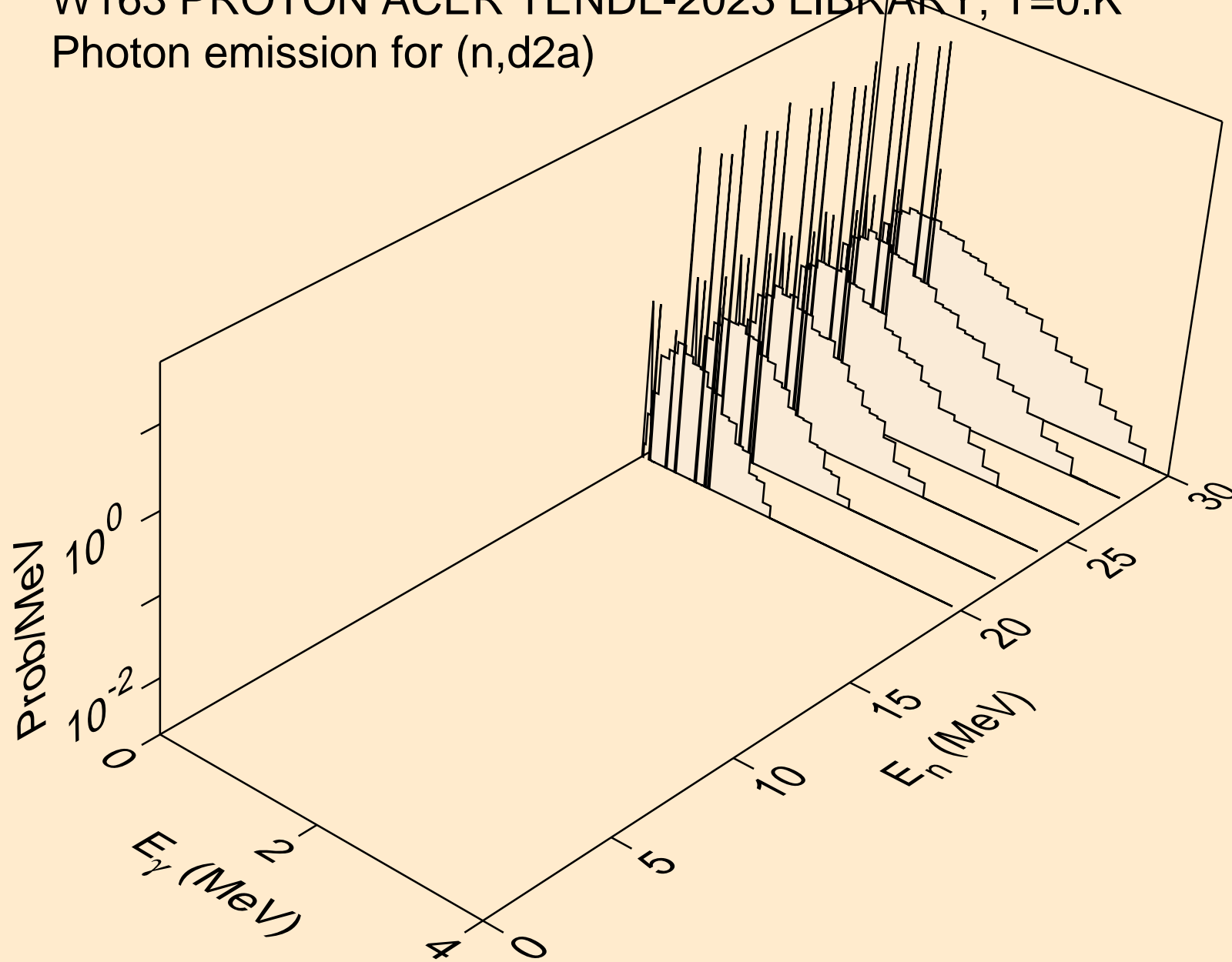
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



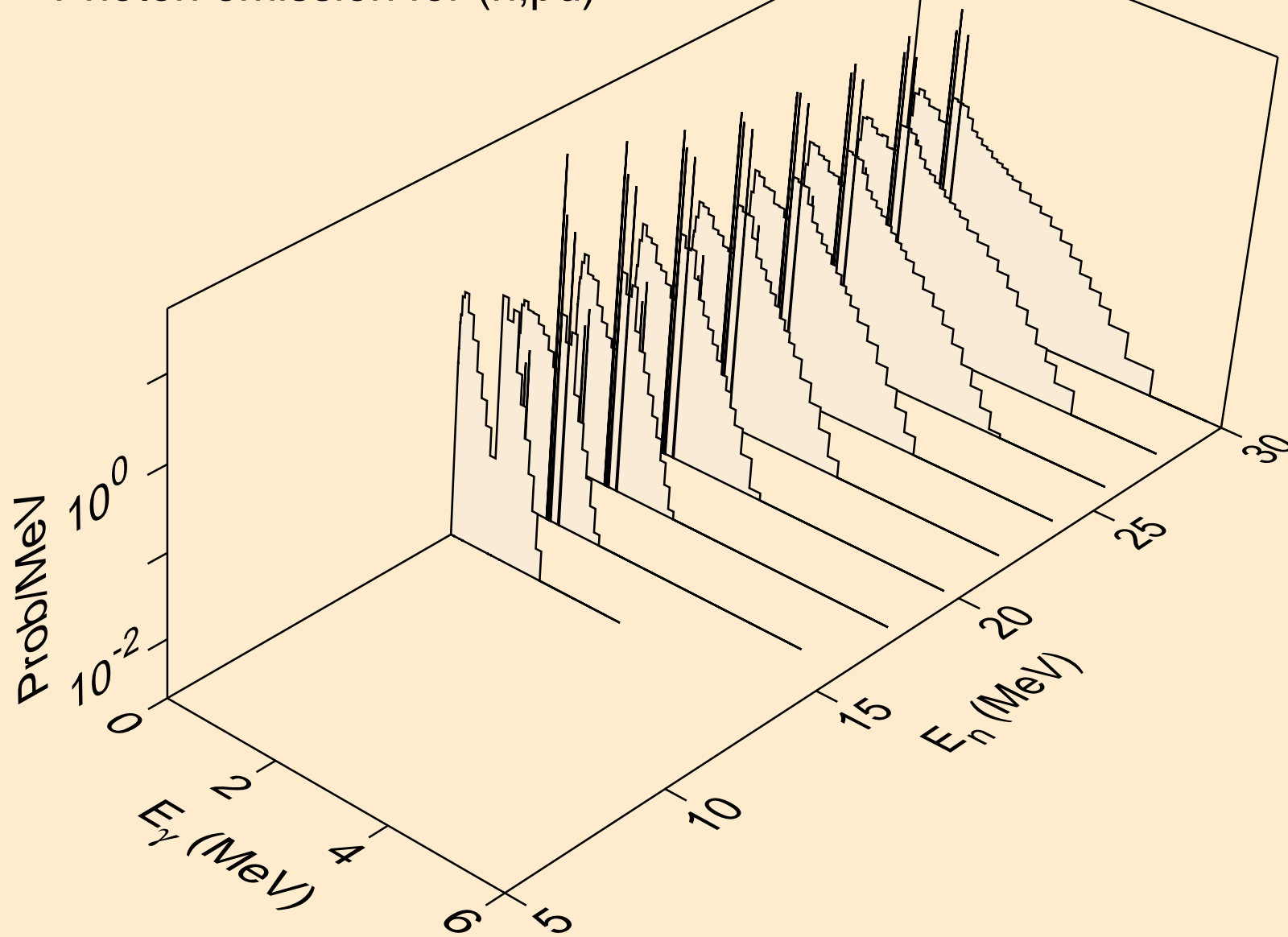
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)



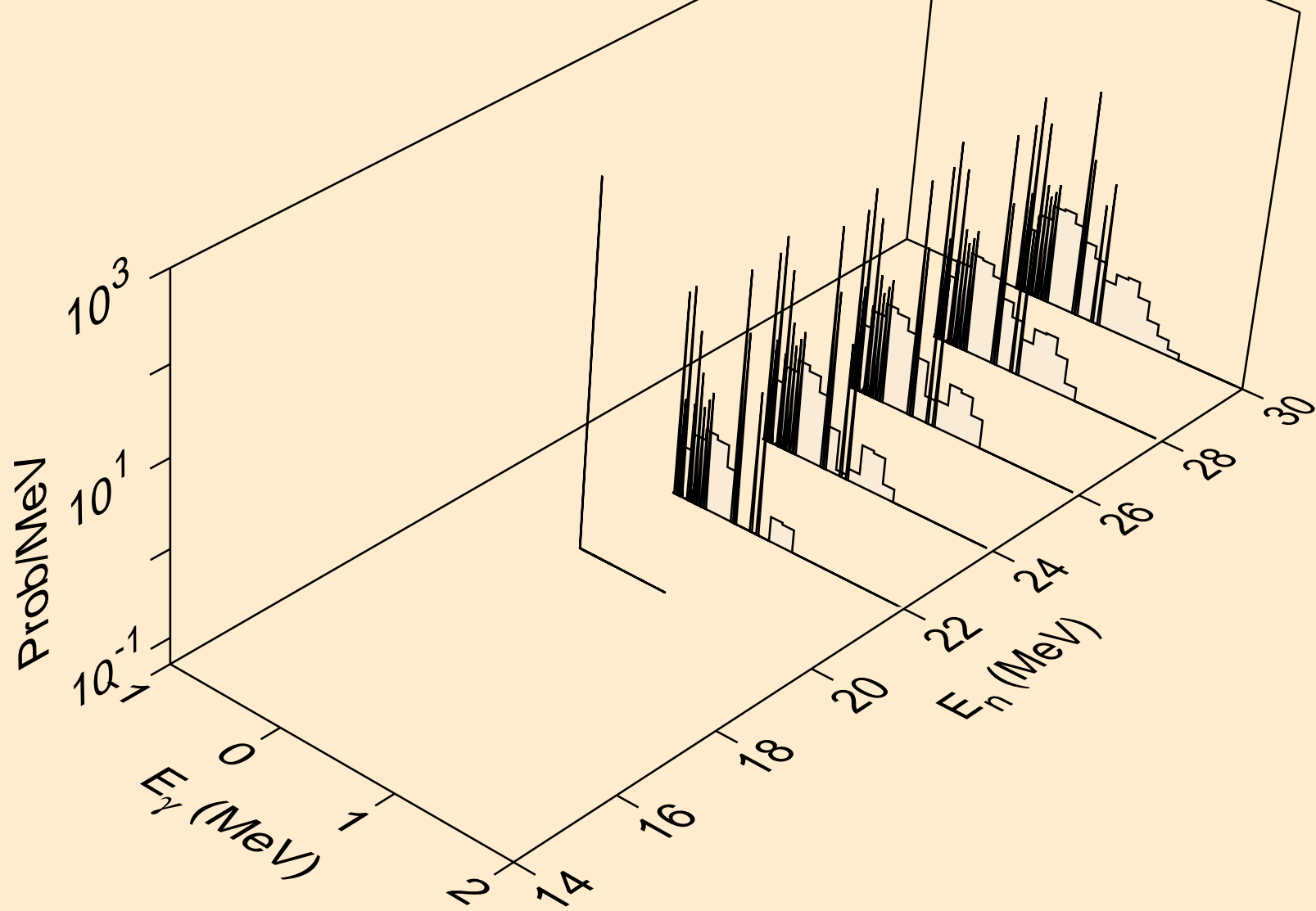
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Photon emission for (n,d2a)



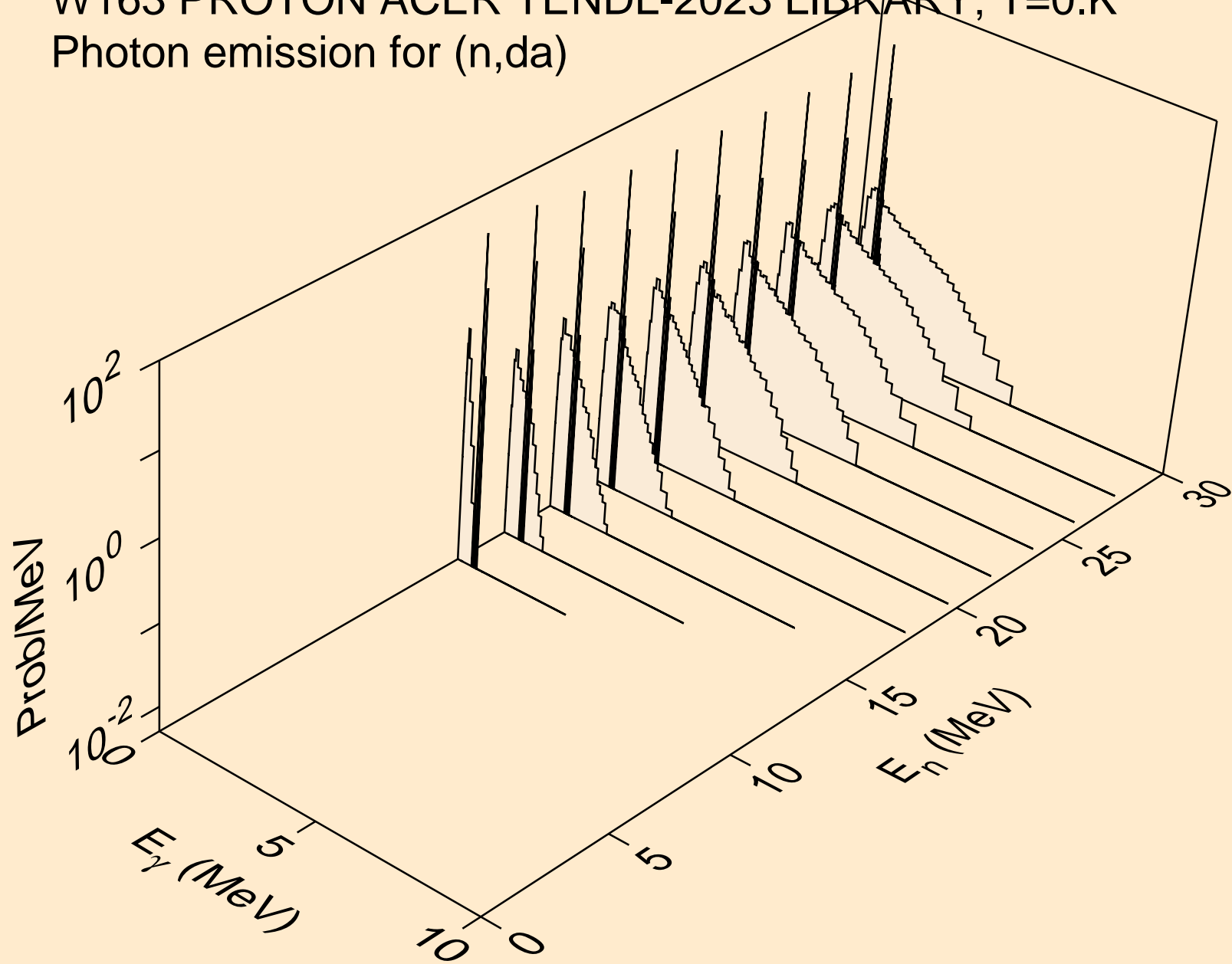
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

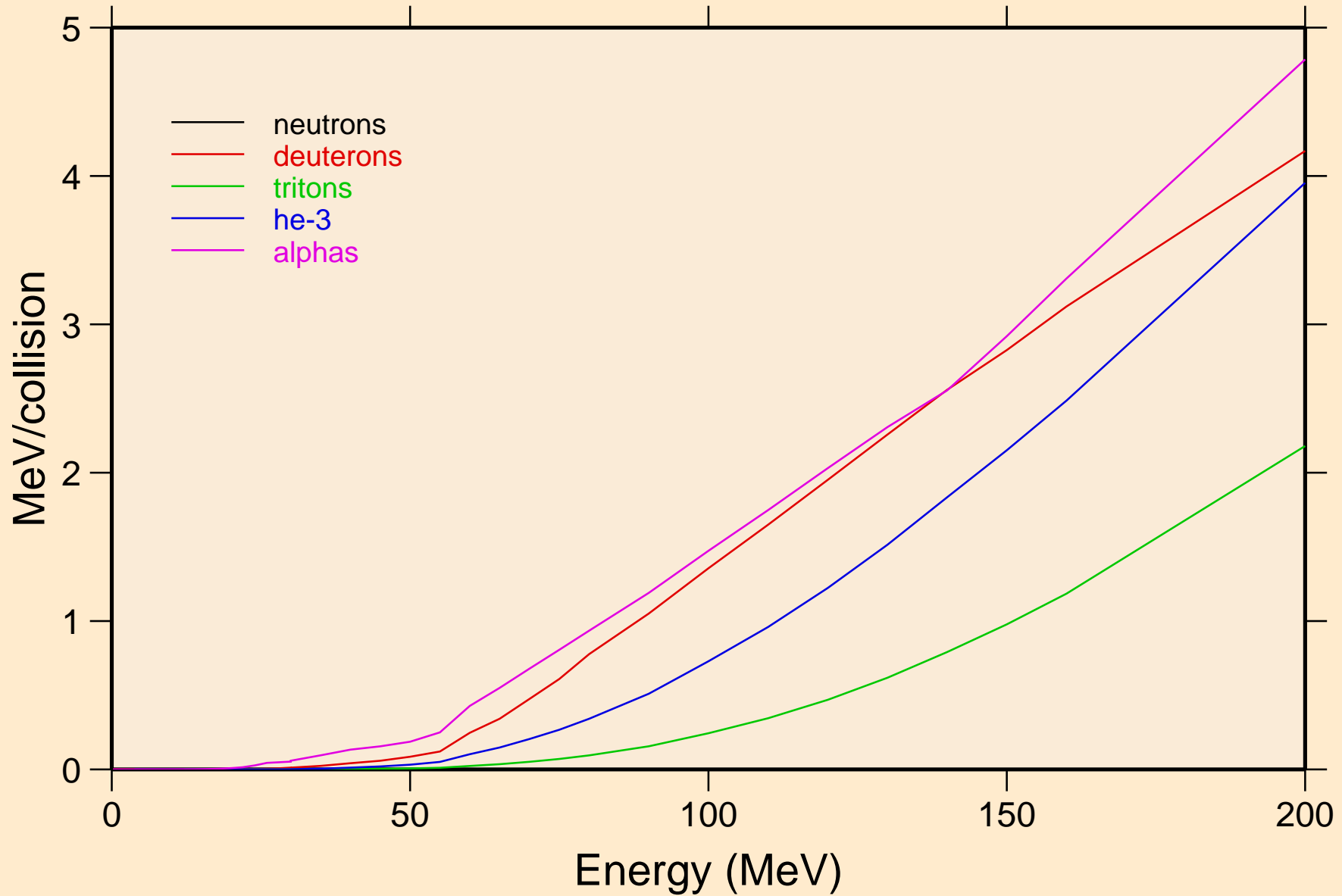


W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



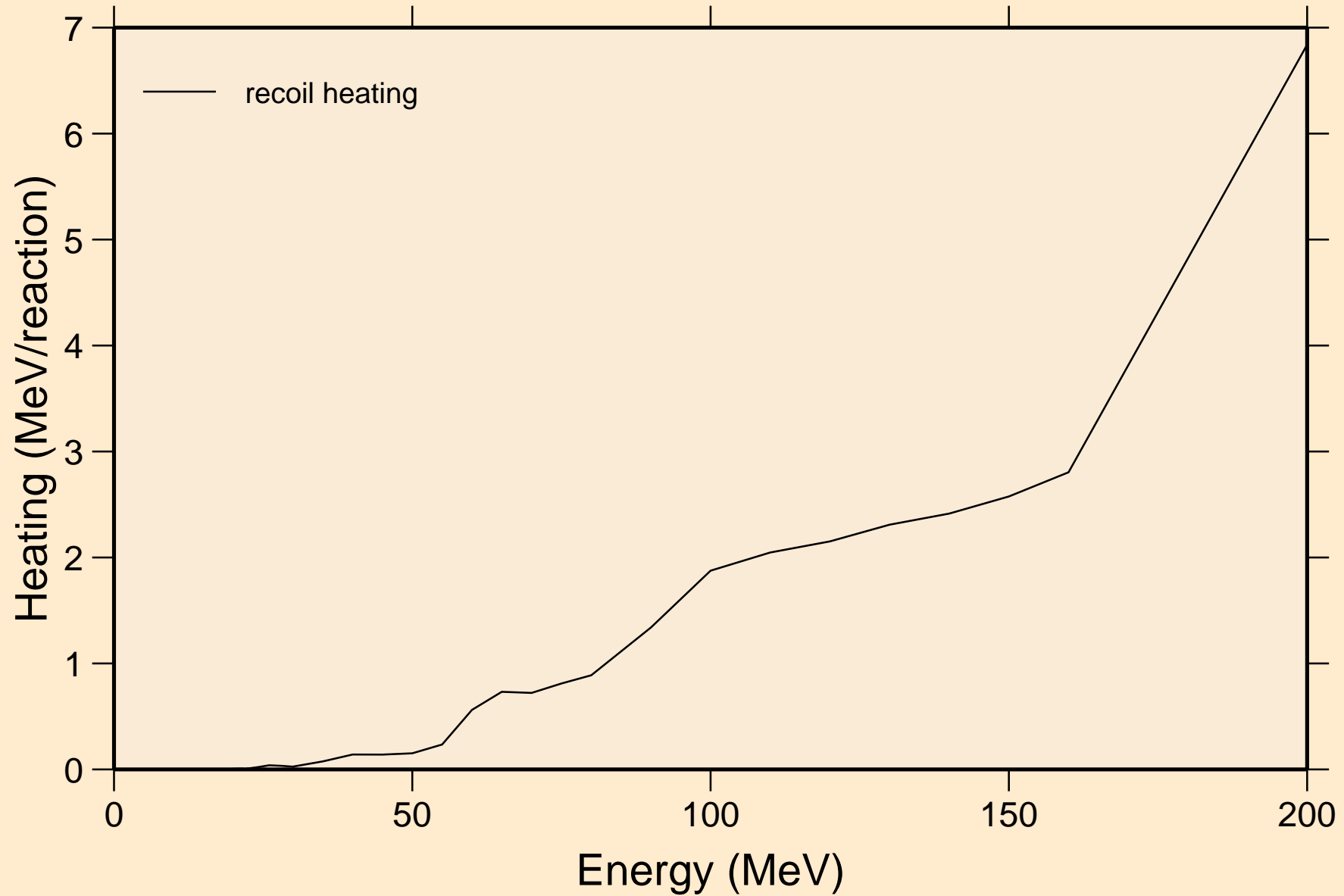


W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions

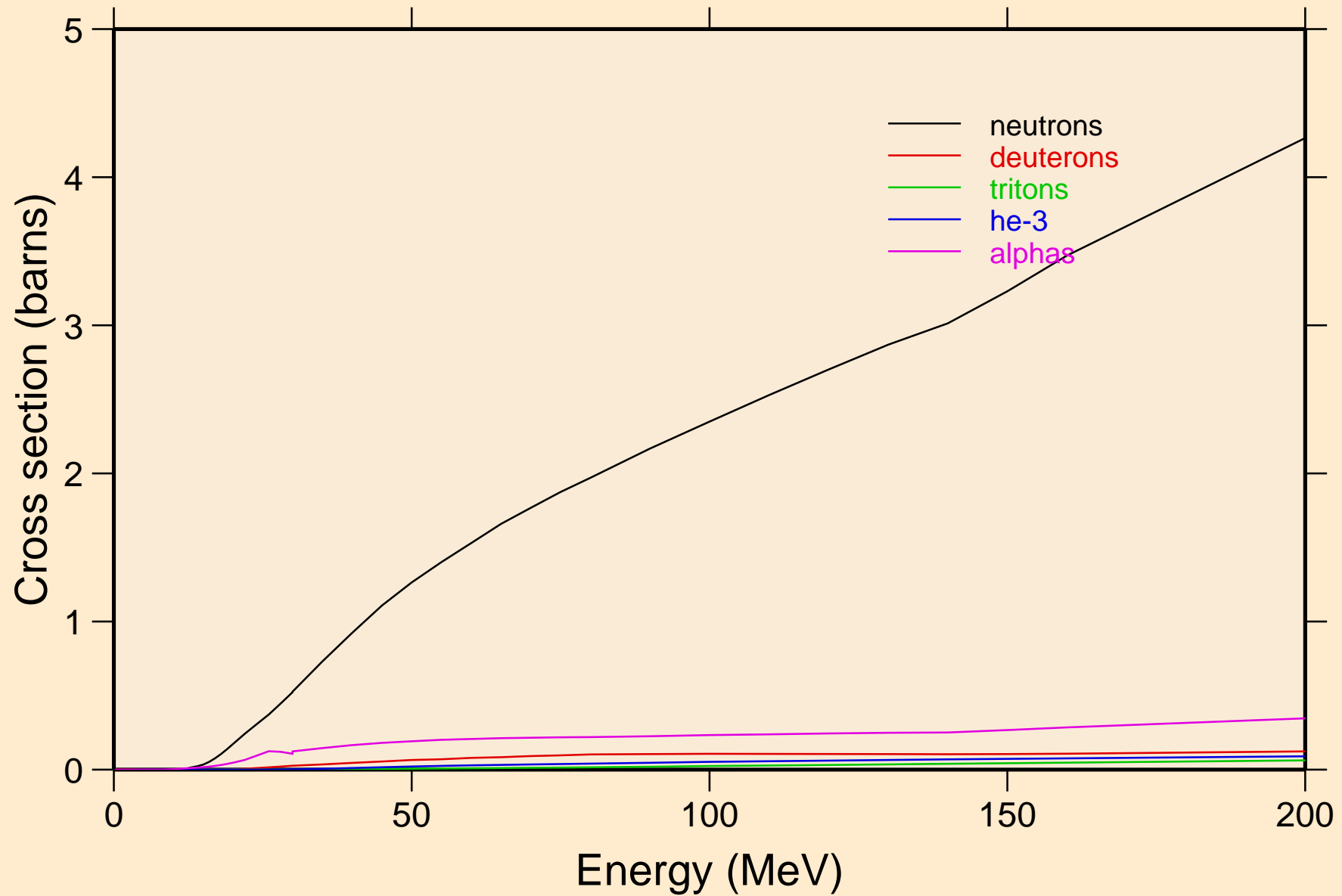


# W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

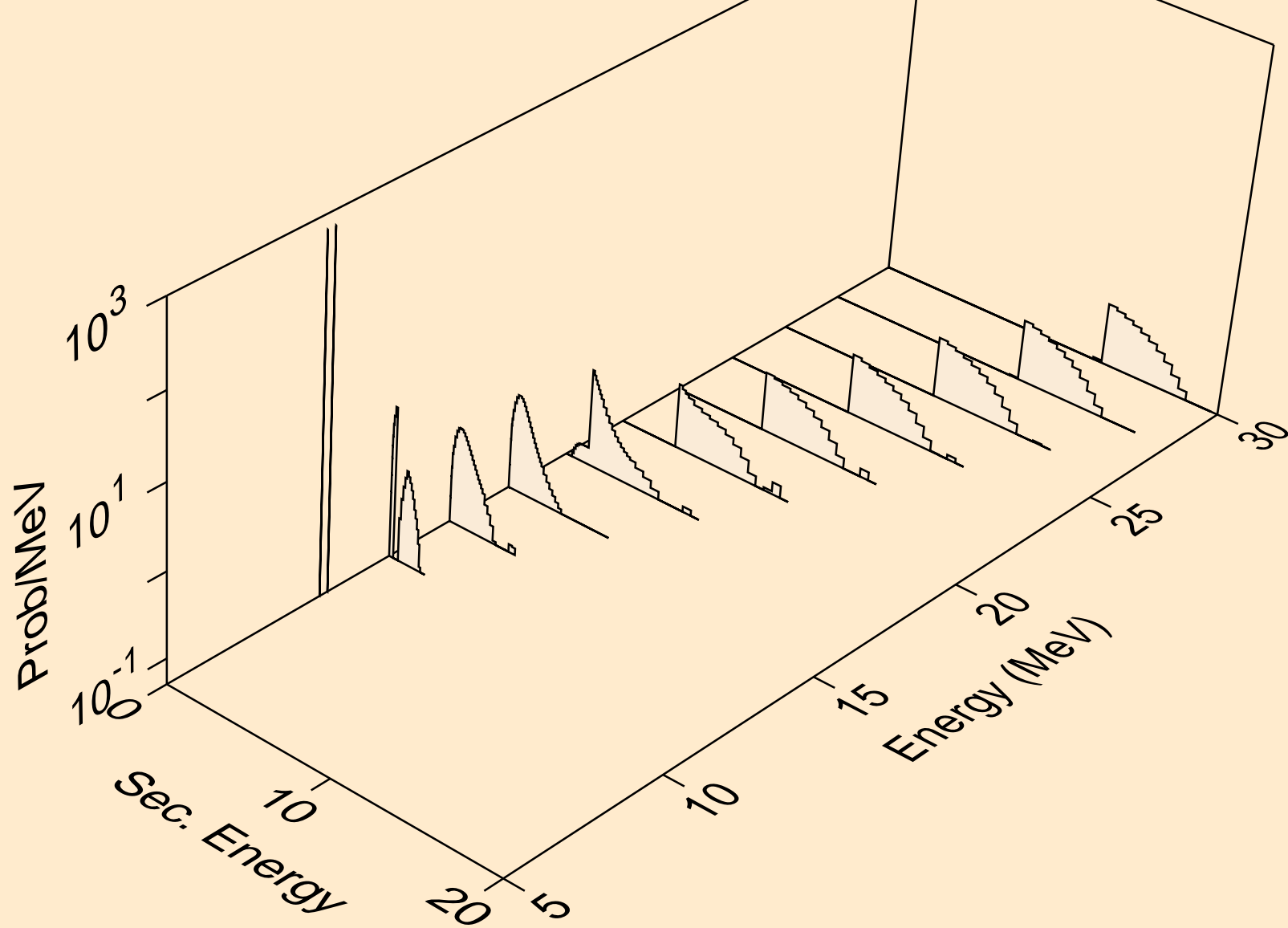
## Recoil Heating



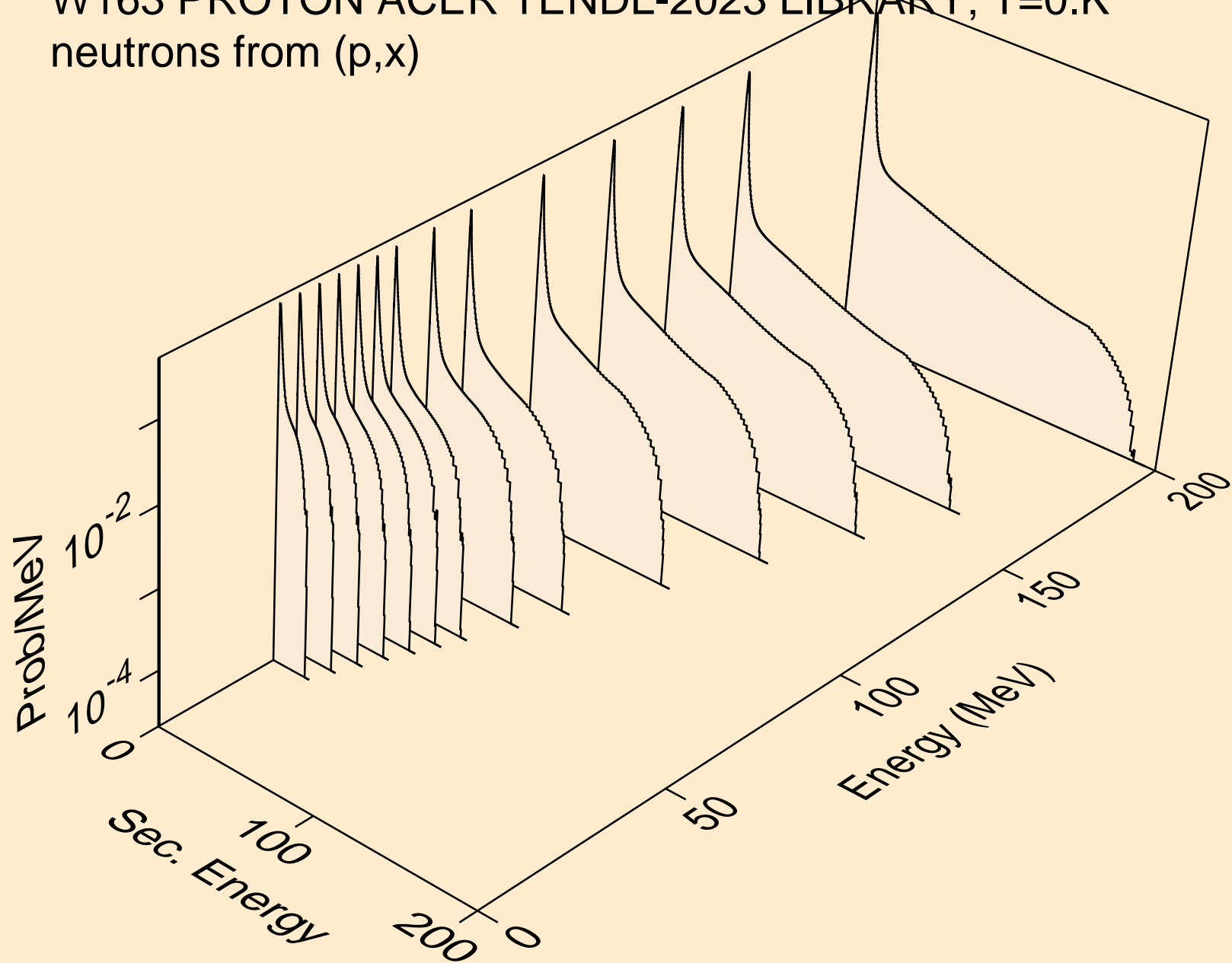
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



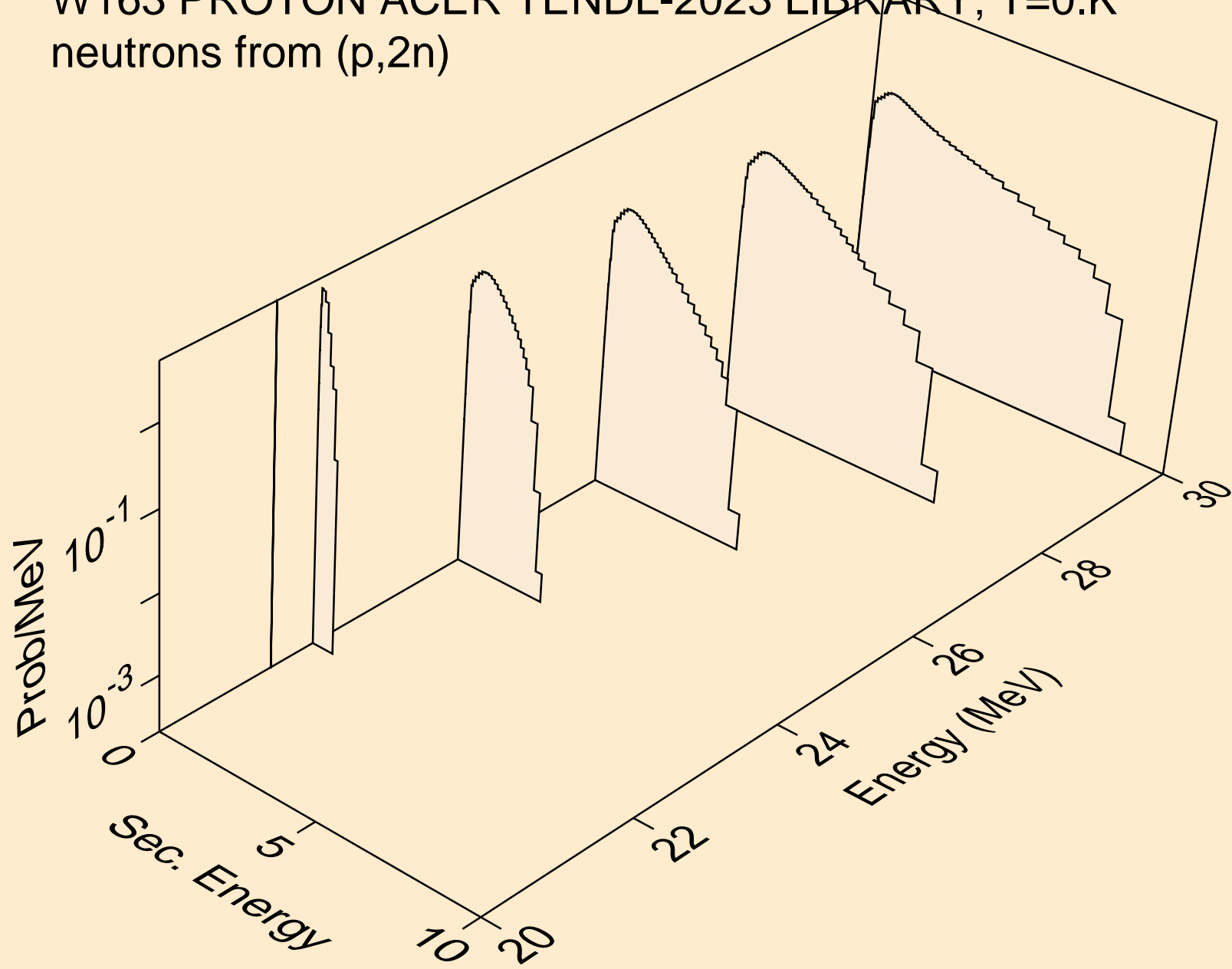
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)



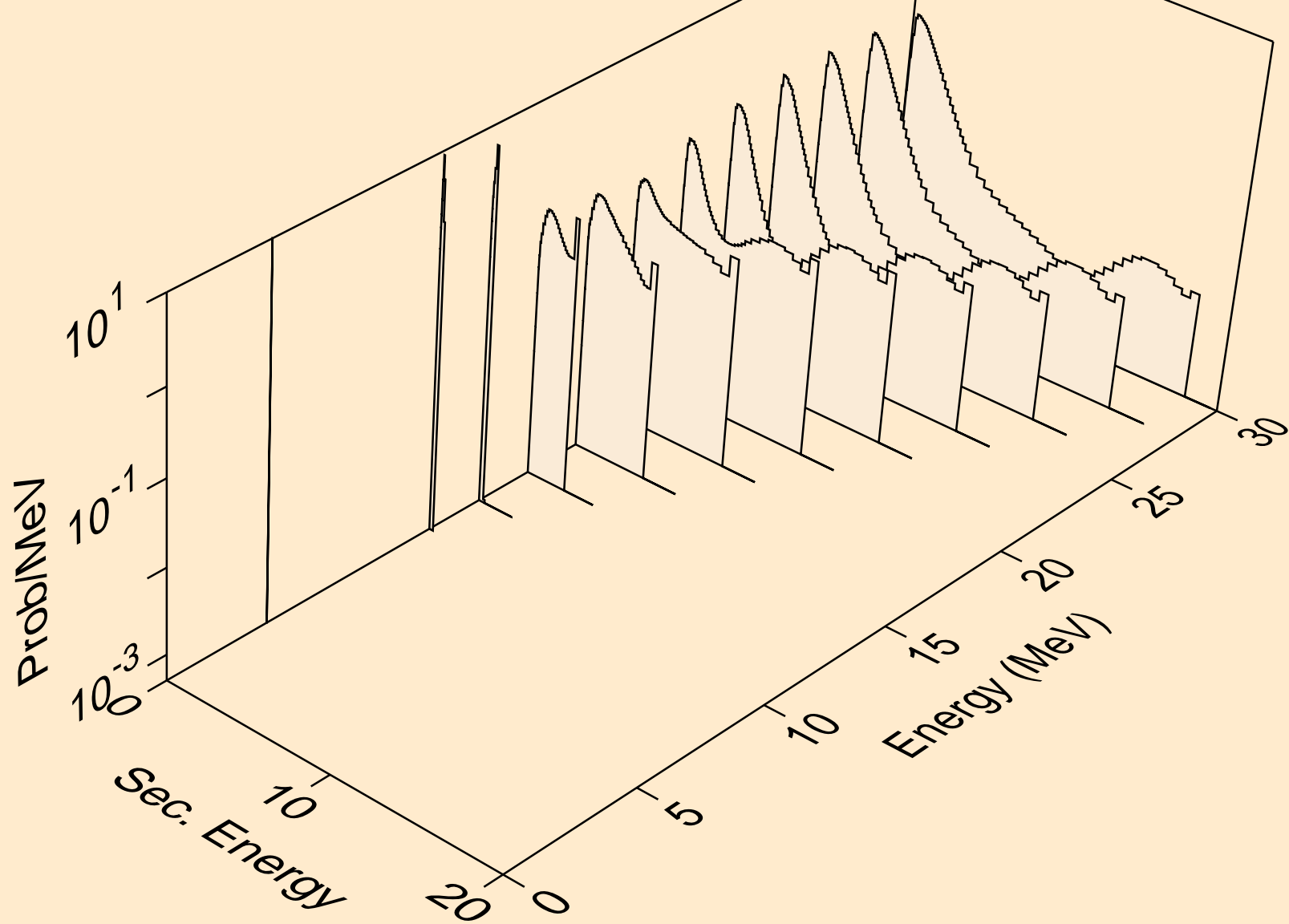
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,x)



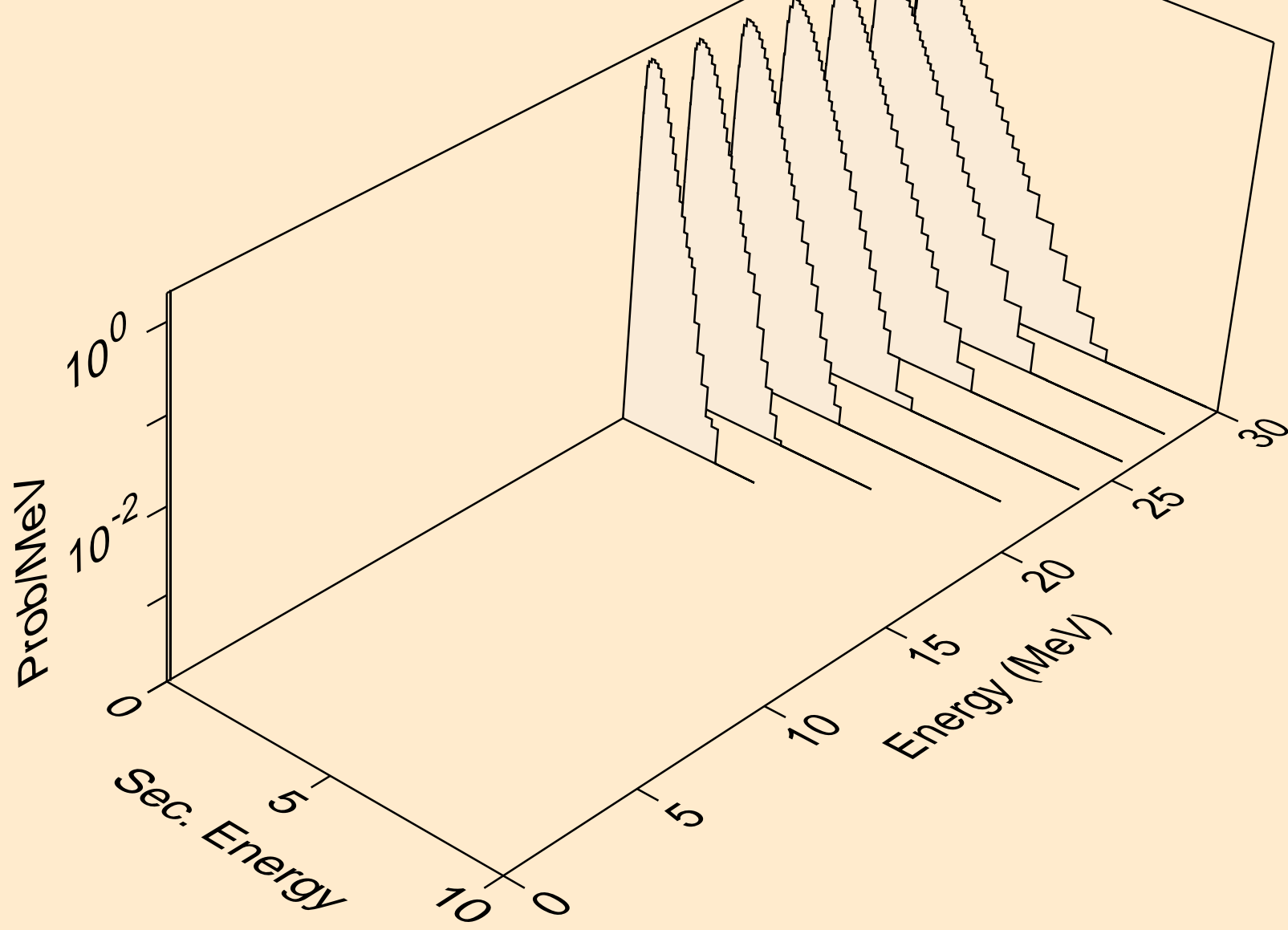
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)



W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)a

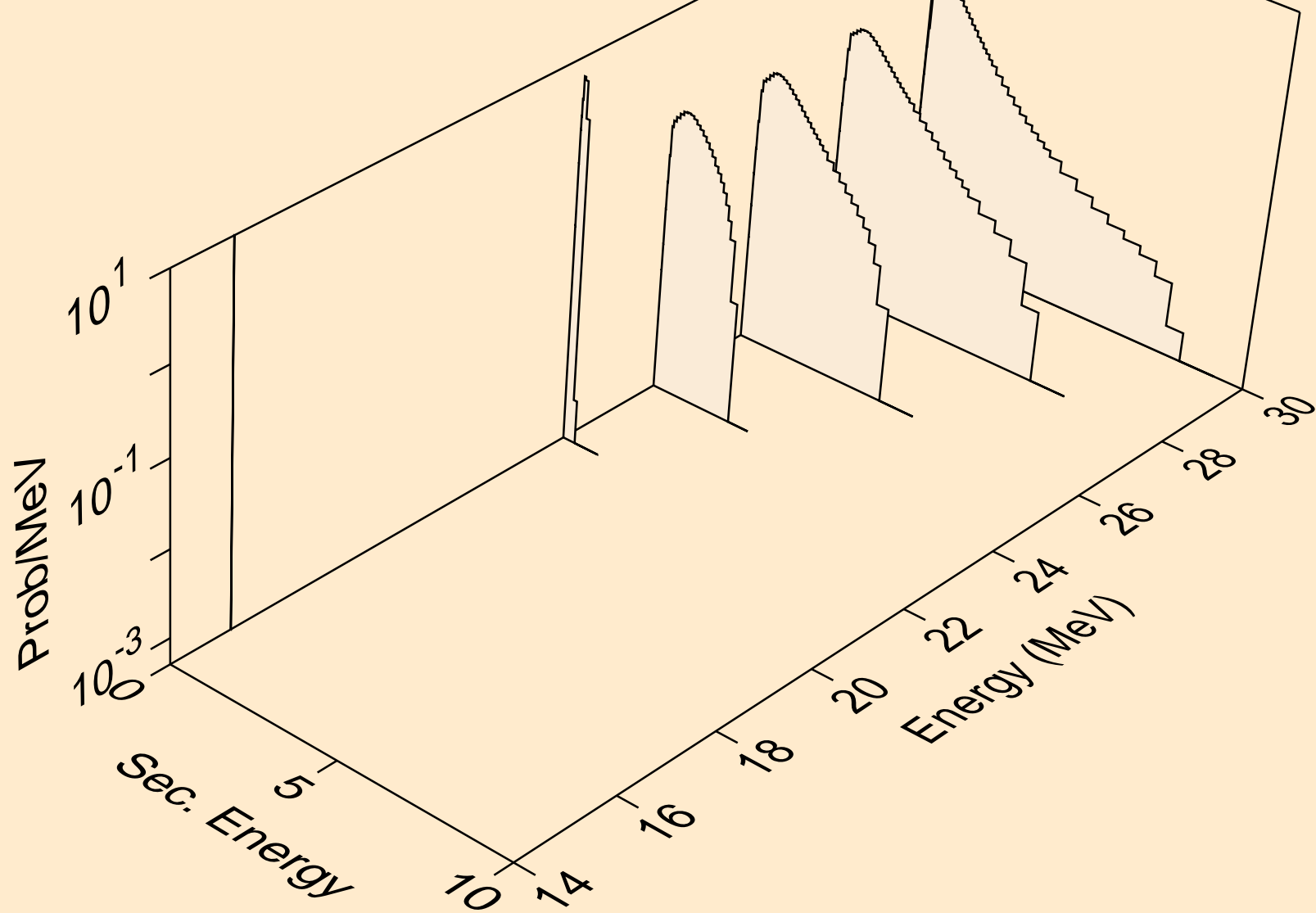


W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)3a

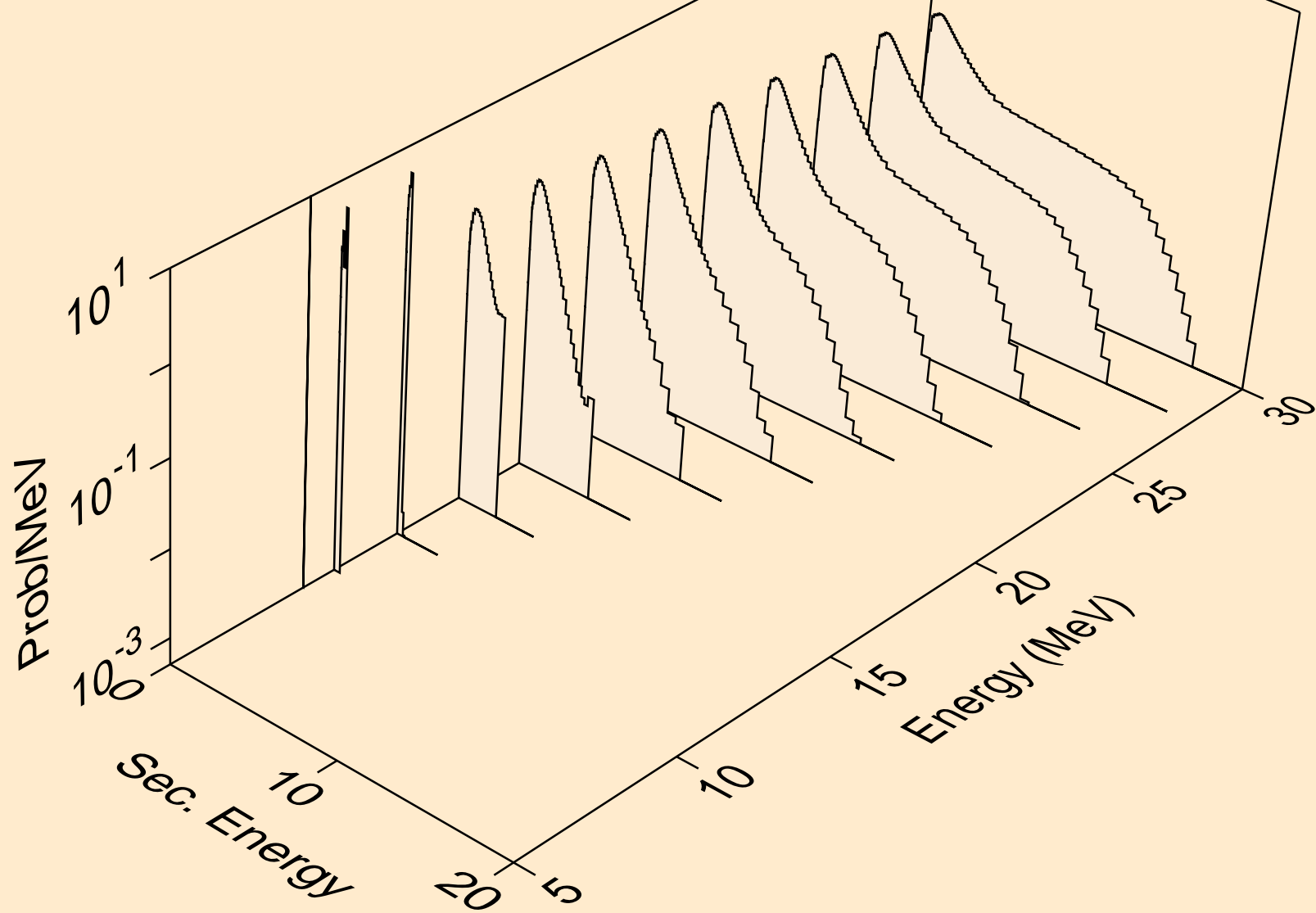




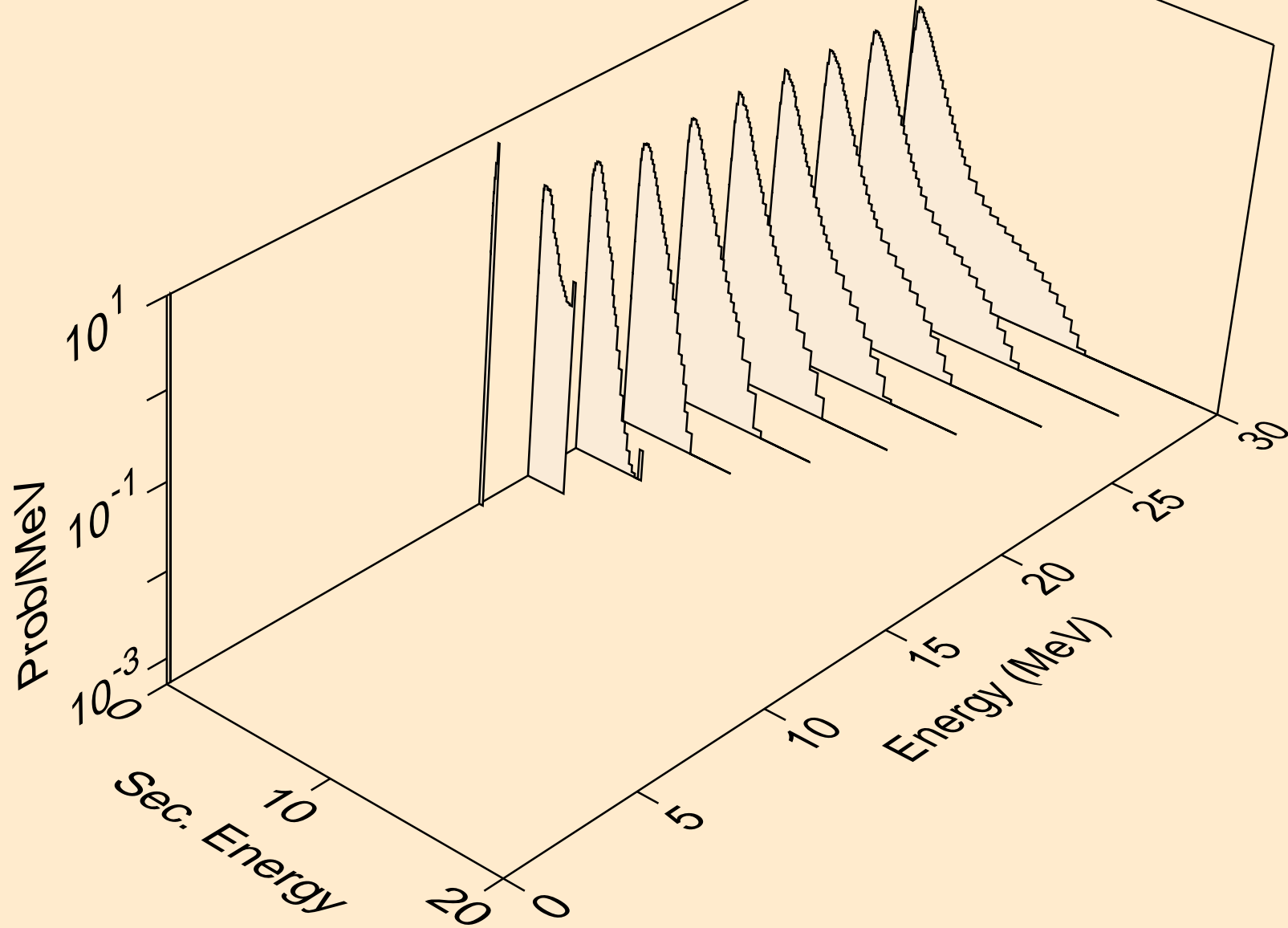
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)a



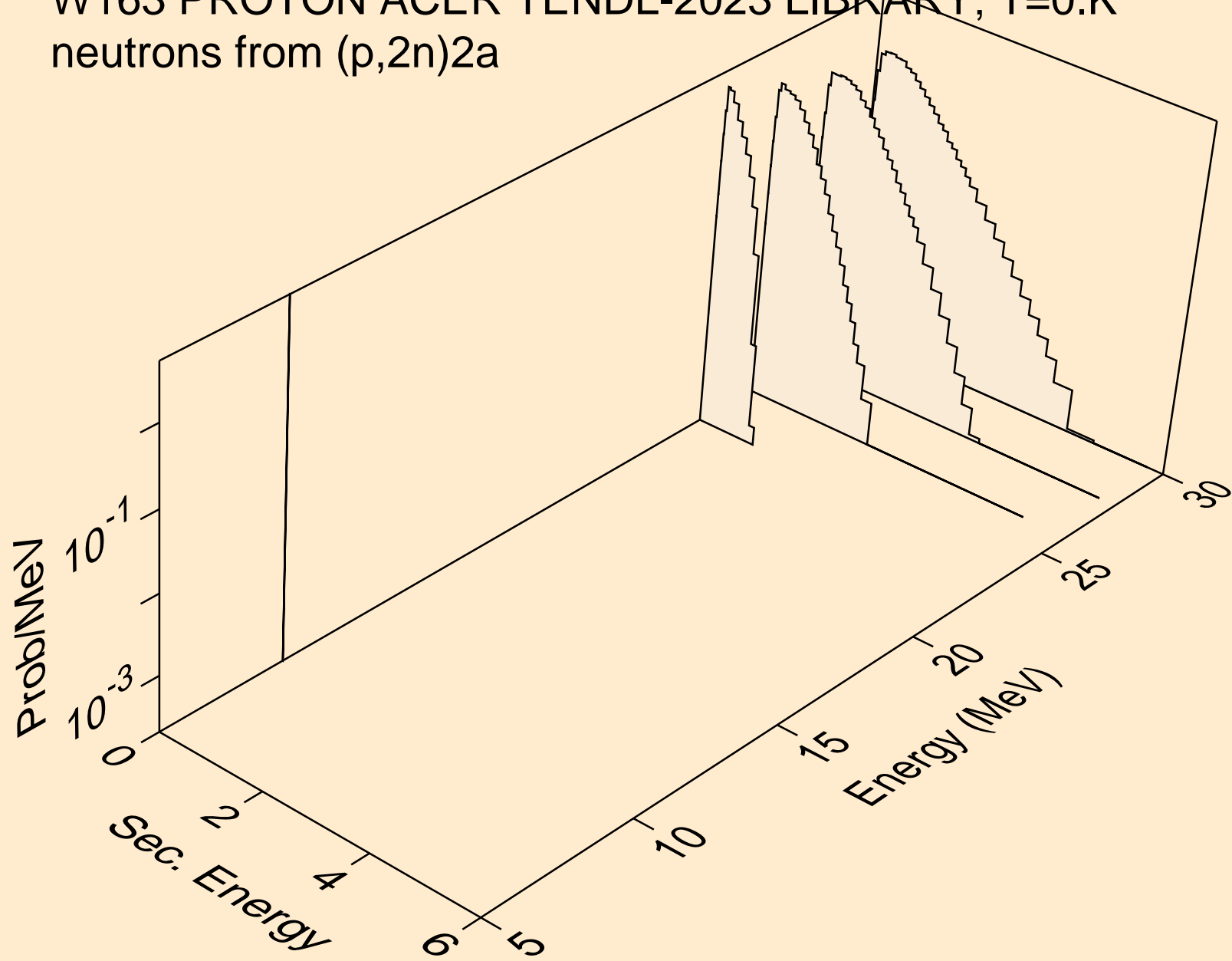
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)p



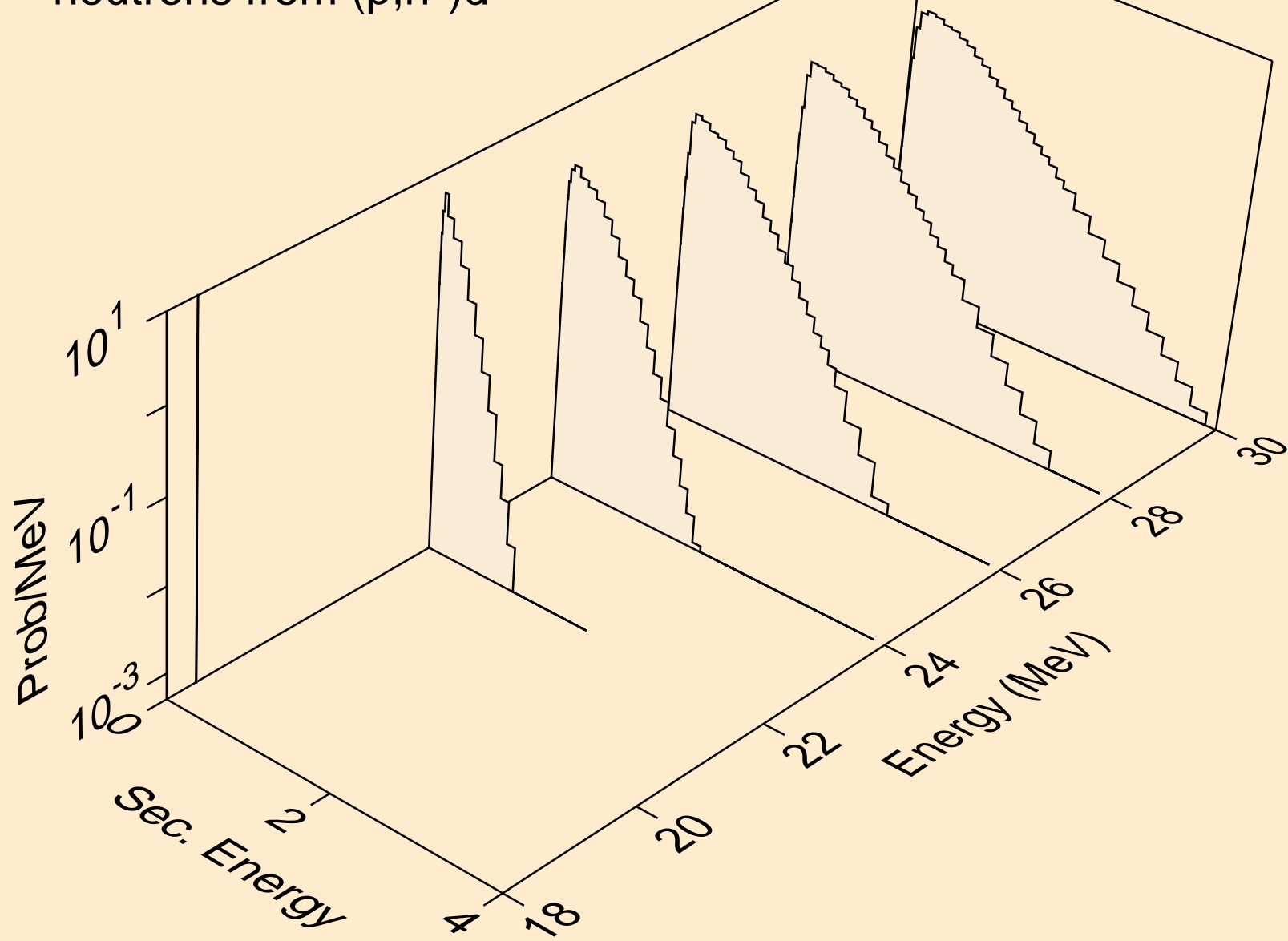
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)2a



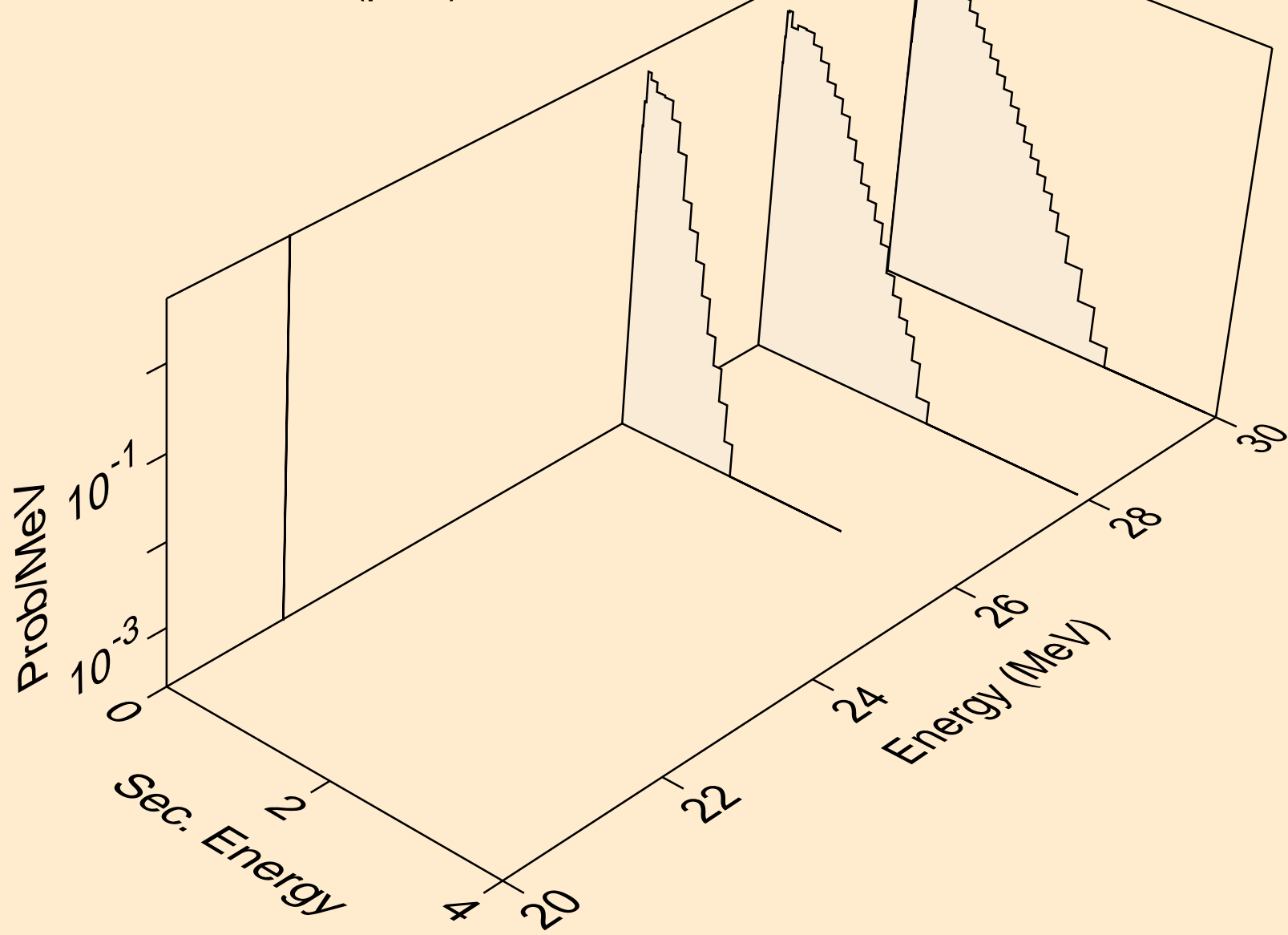
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)2a



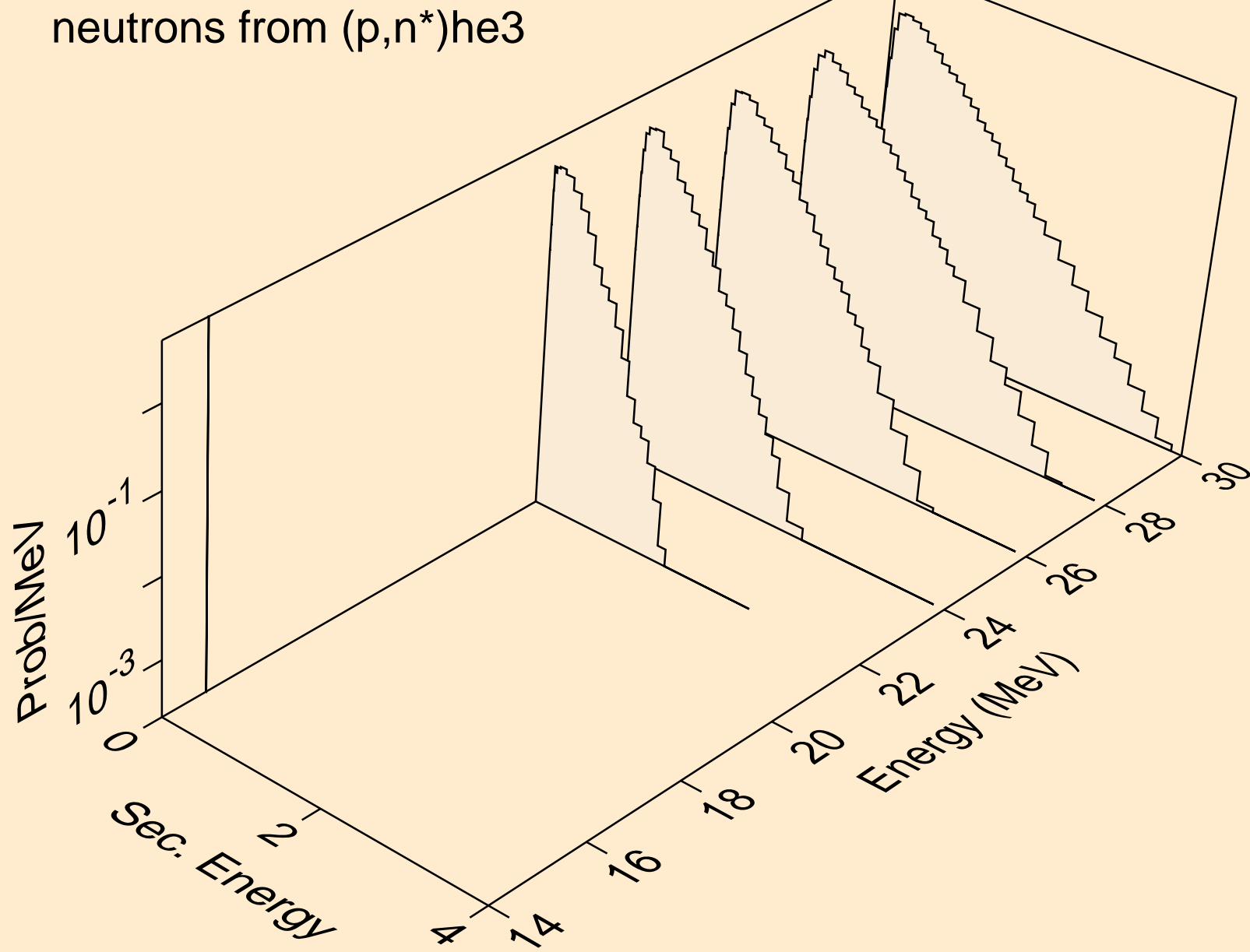
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)d



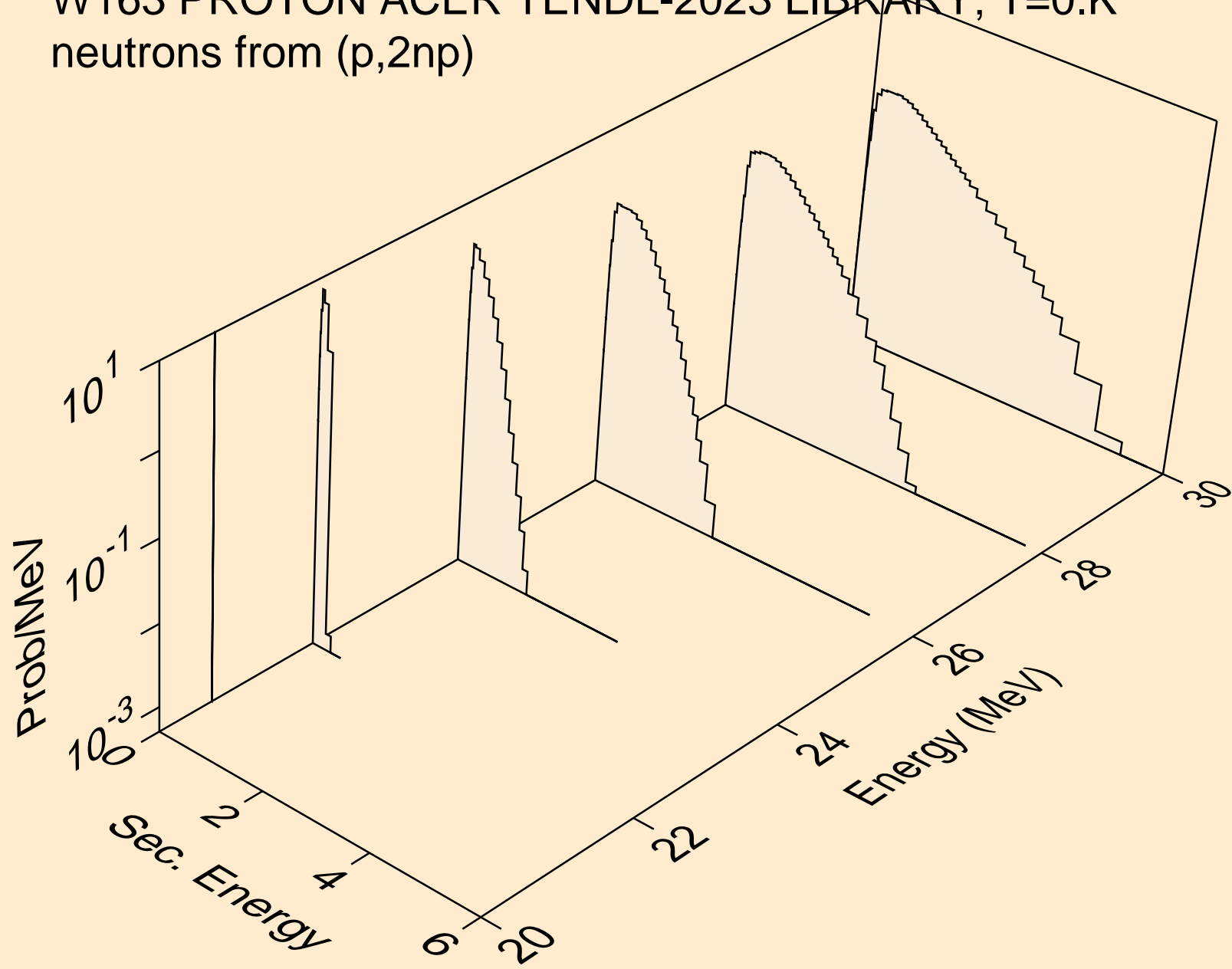
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)t



W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)he3

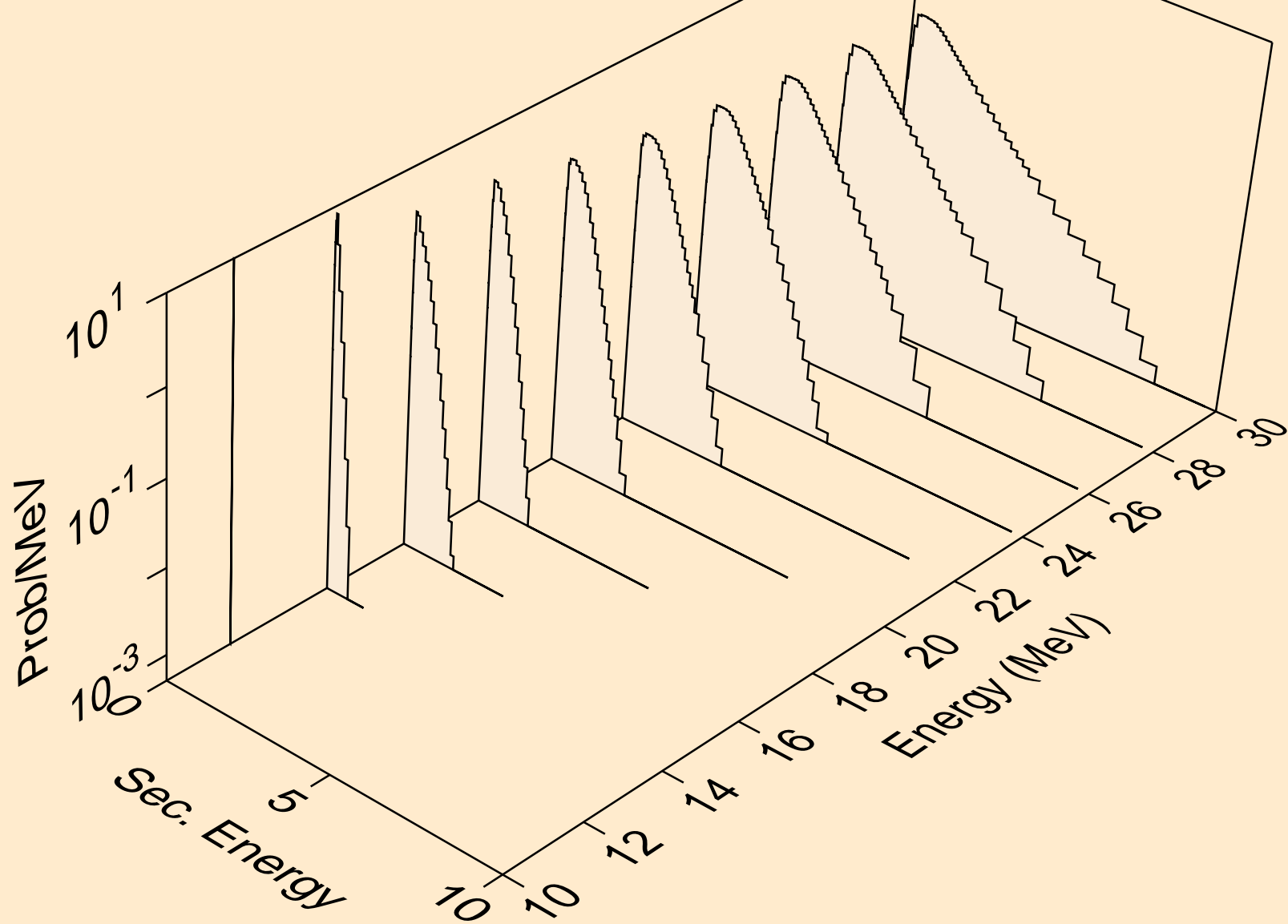


W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2np)

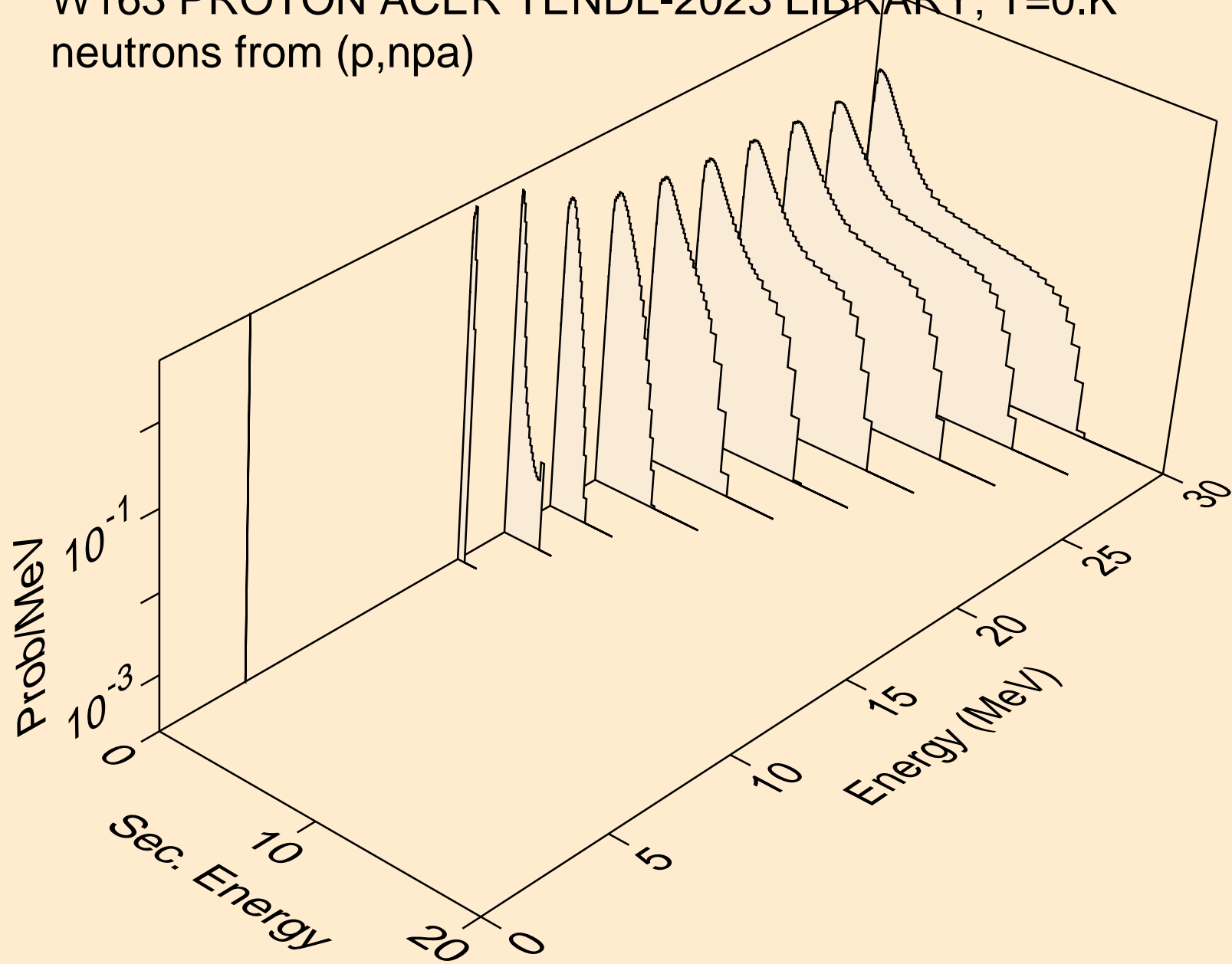




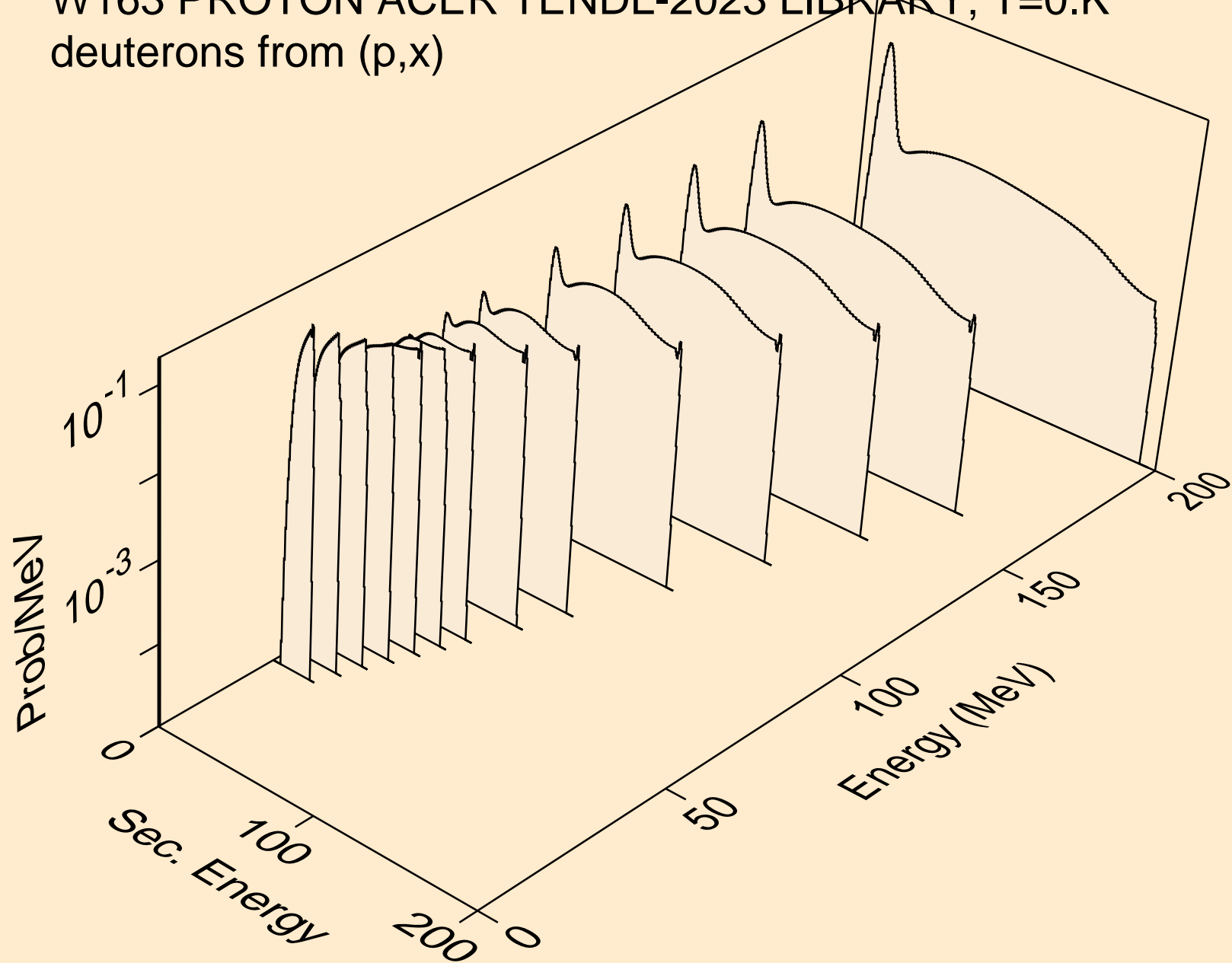
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n2p)



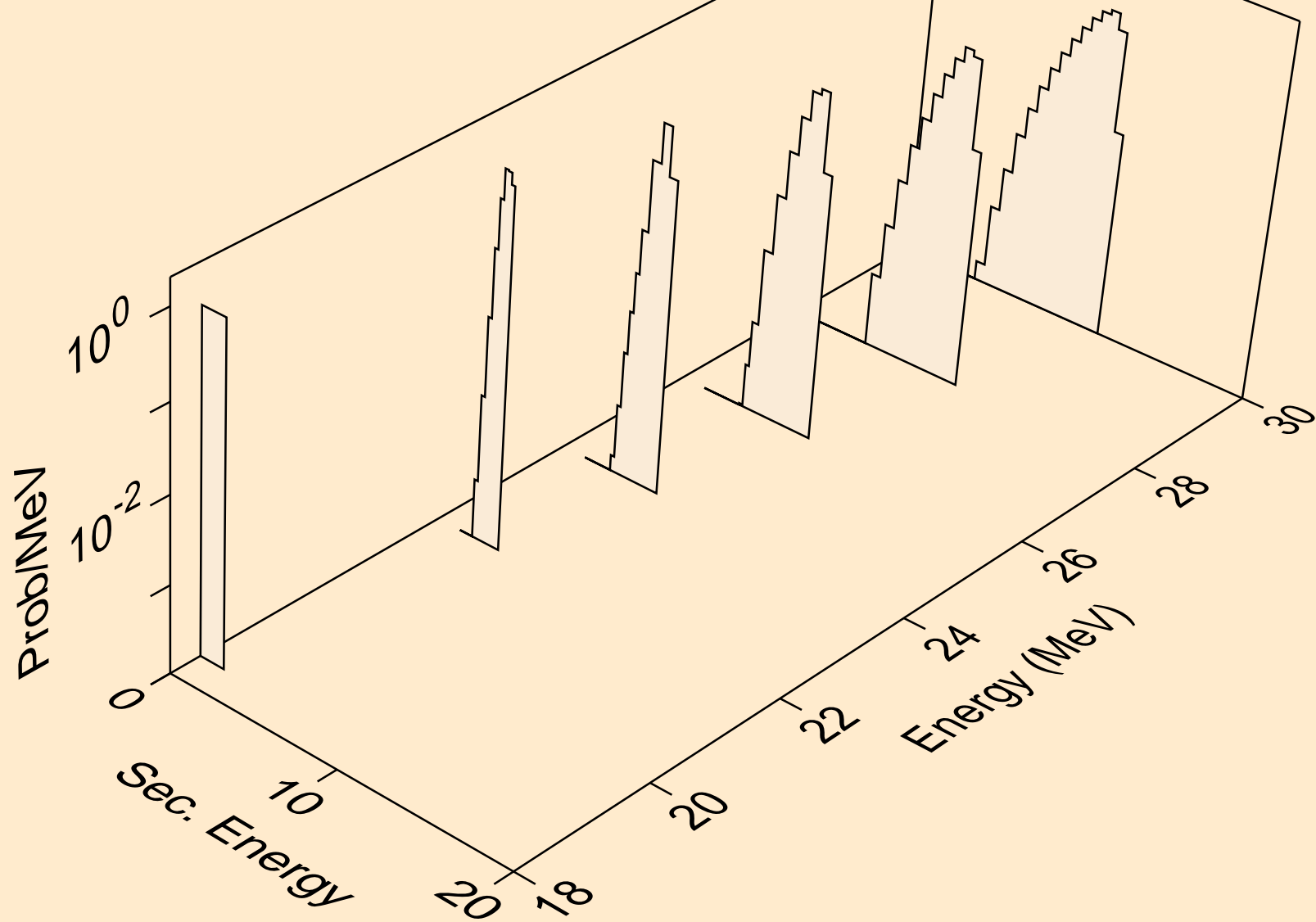
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,npa)



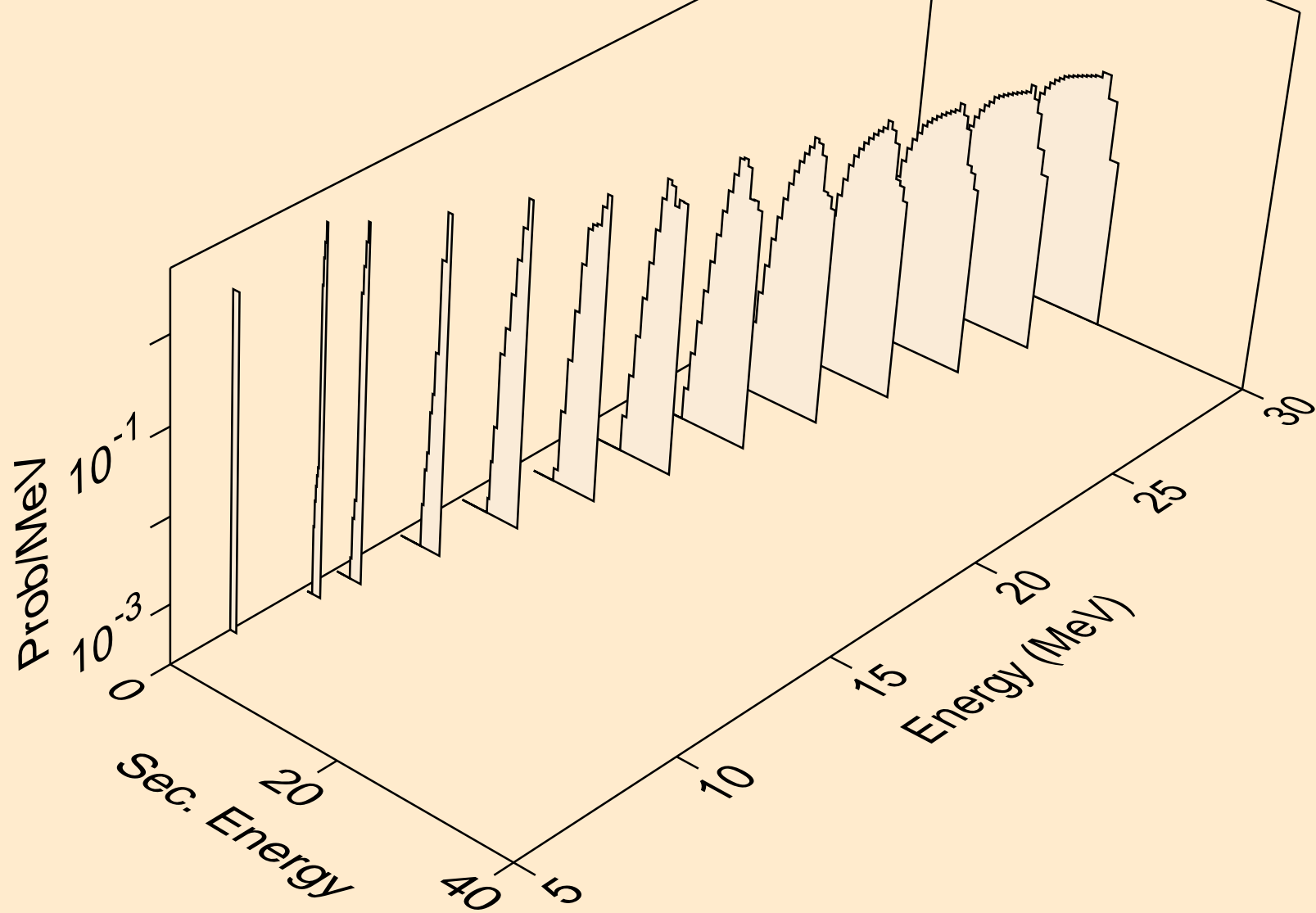
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,x)



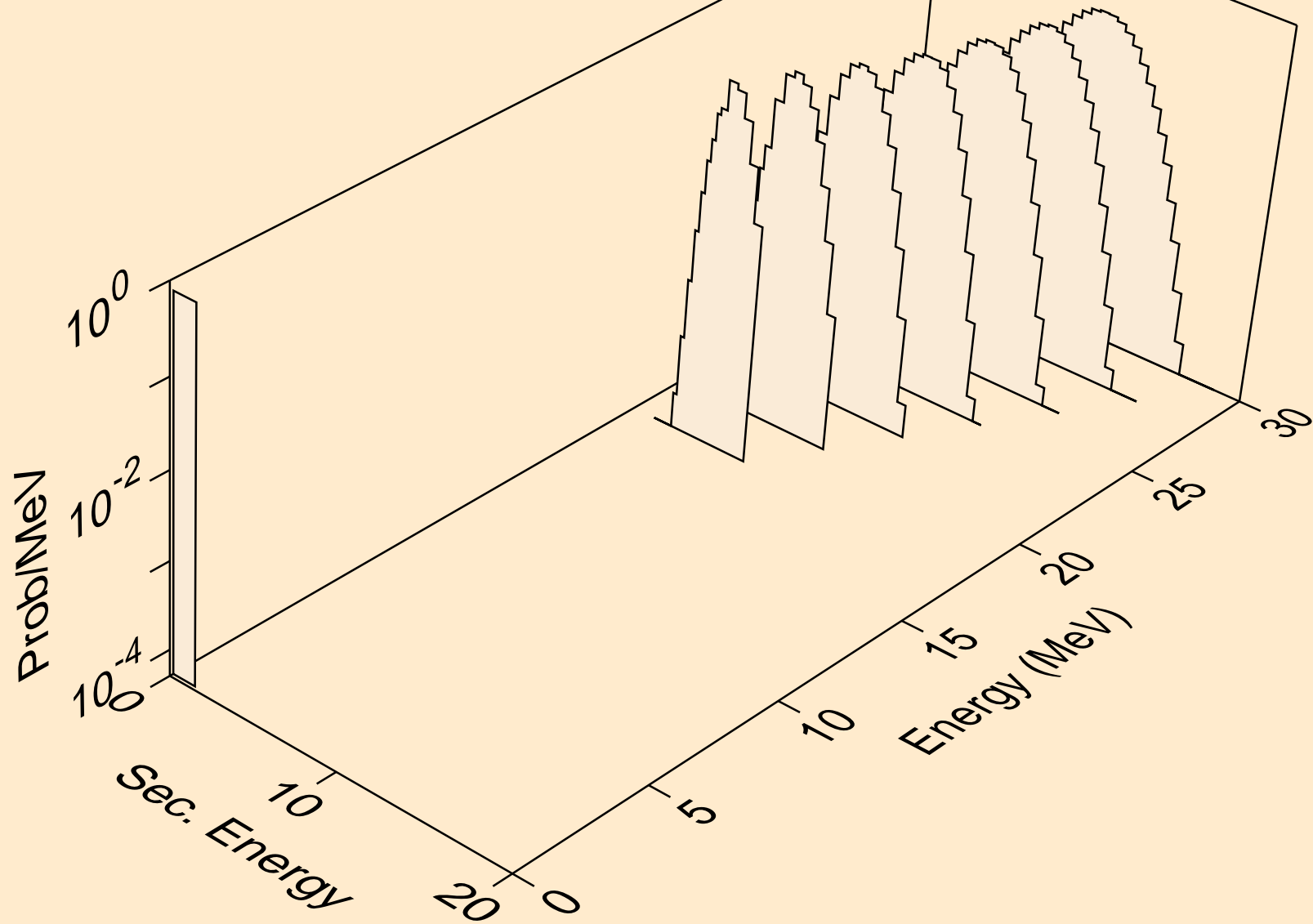
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,n\*)d



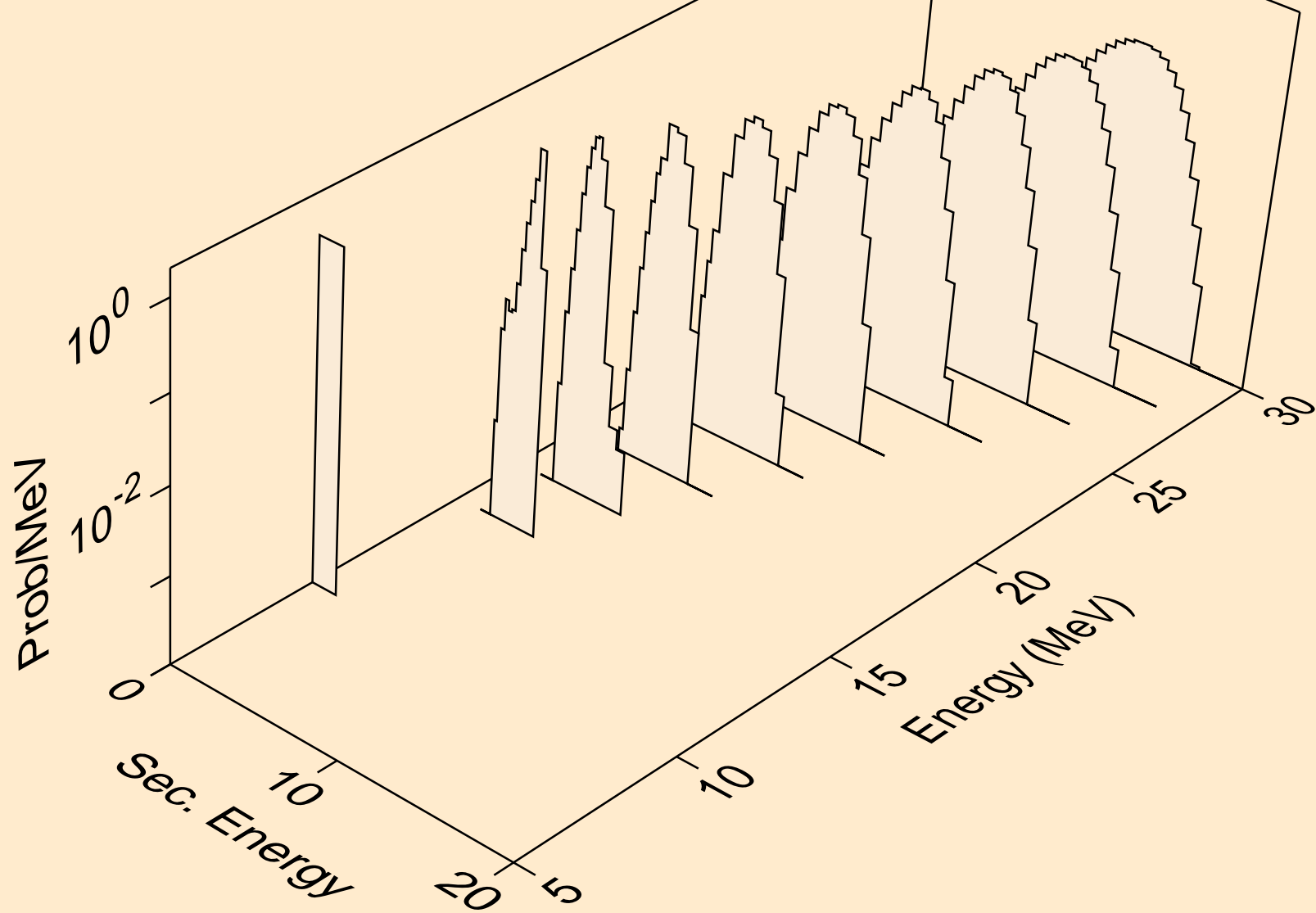
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,d)



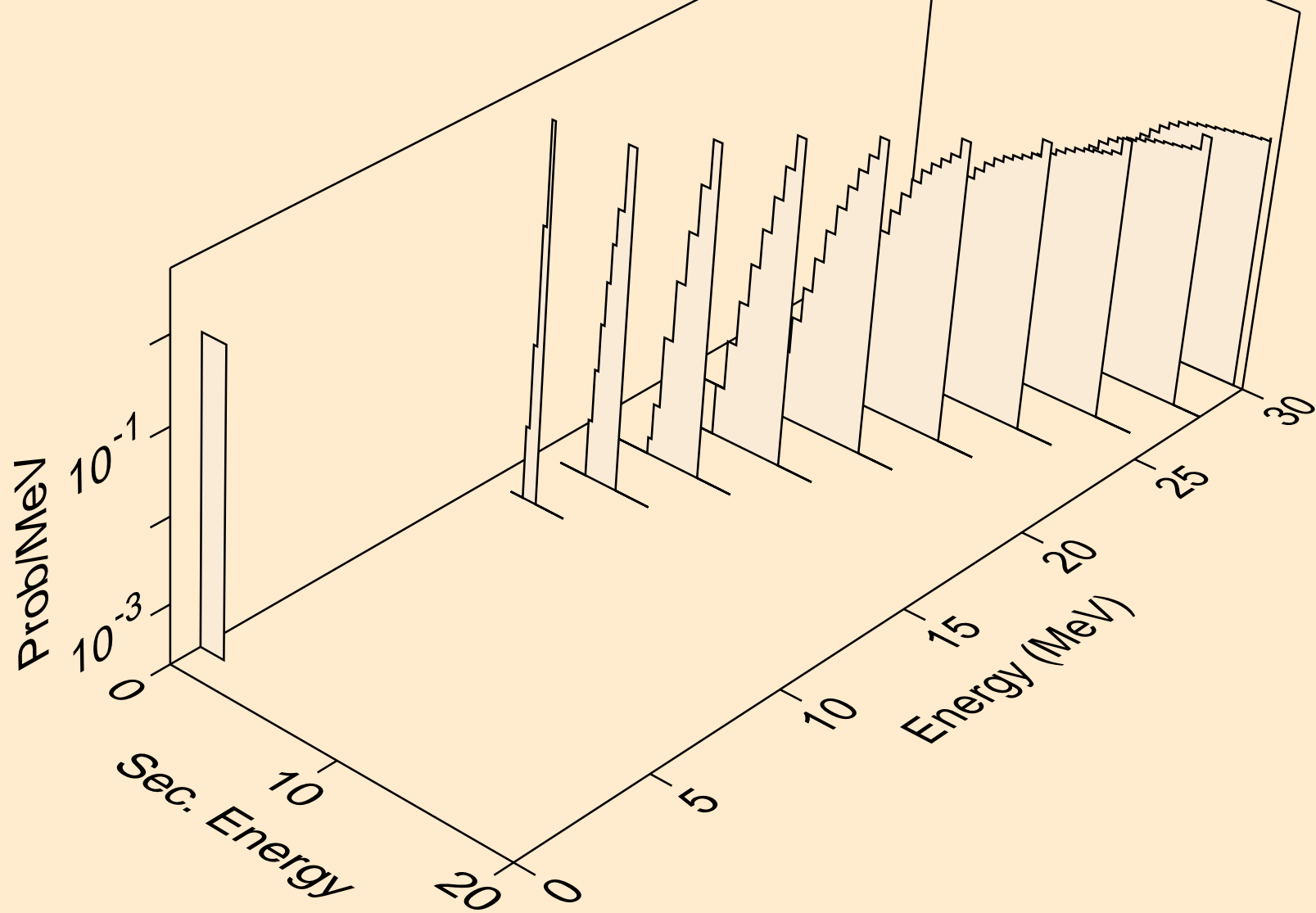
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,d2a)



W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,pd)

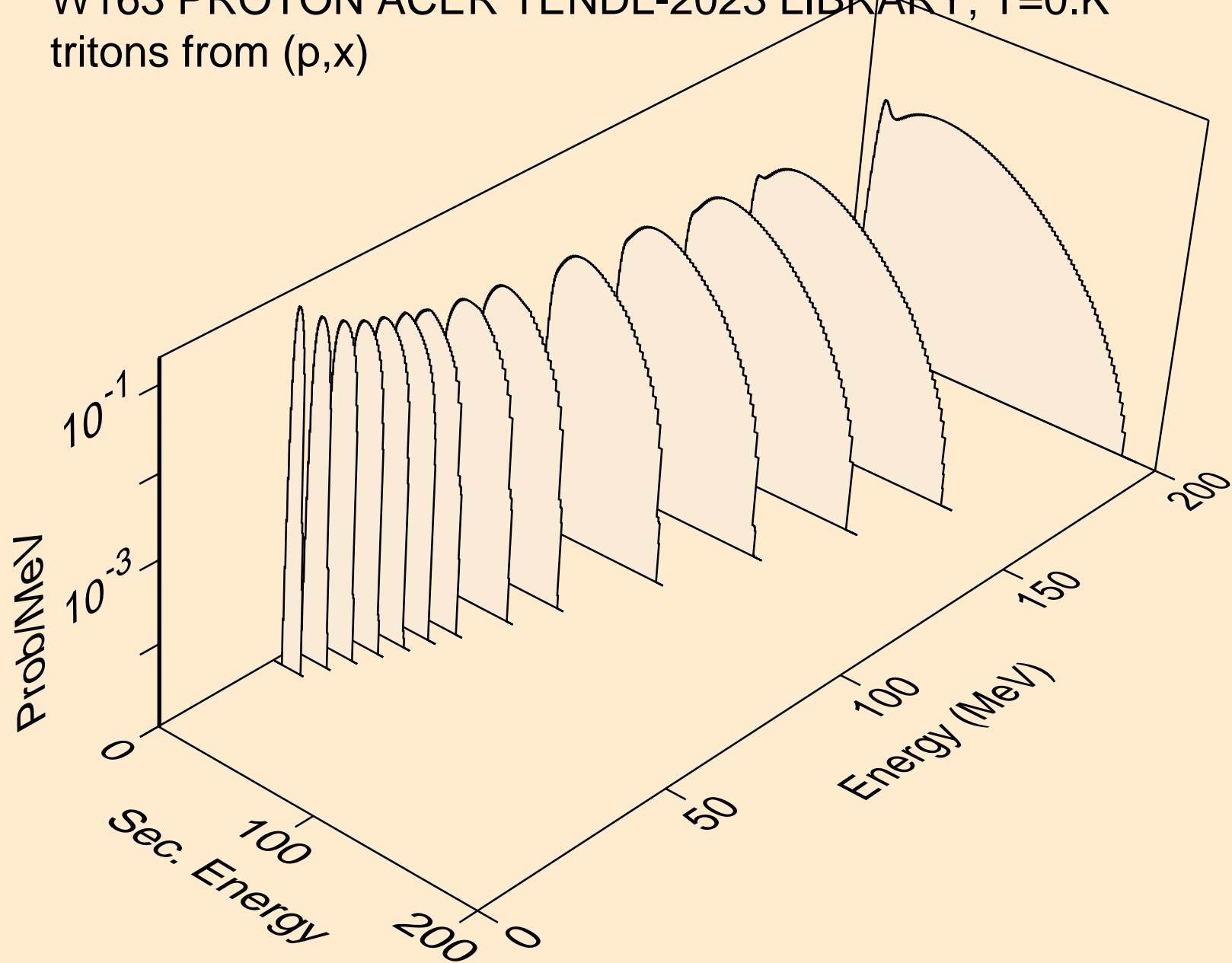


W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,da)

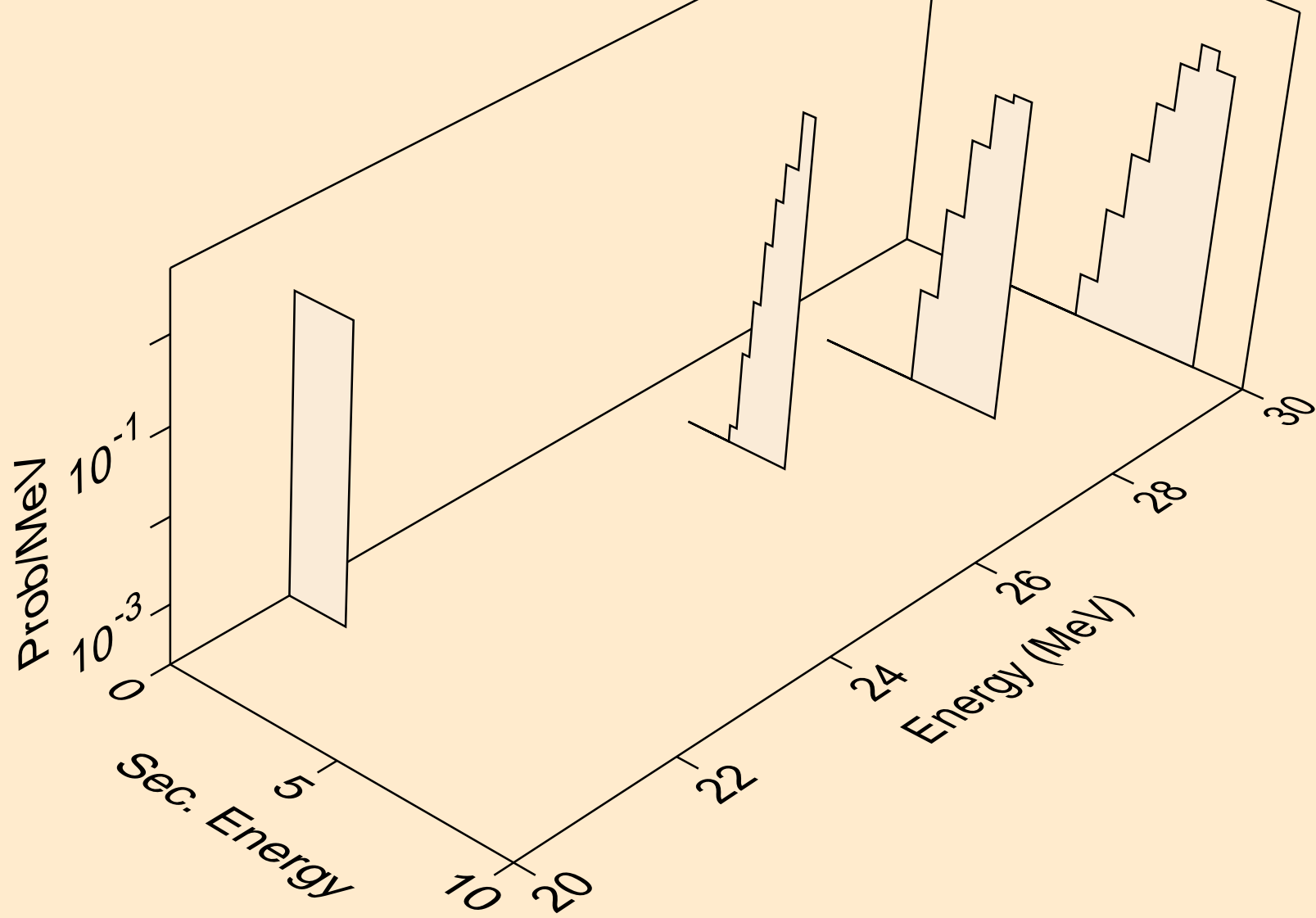




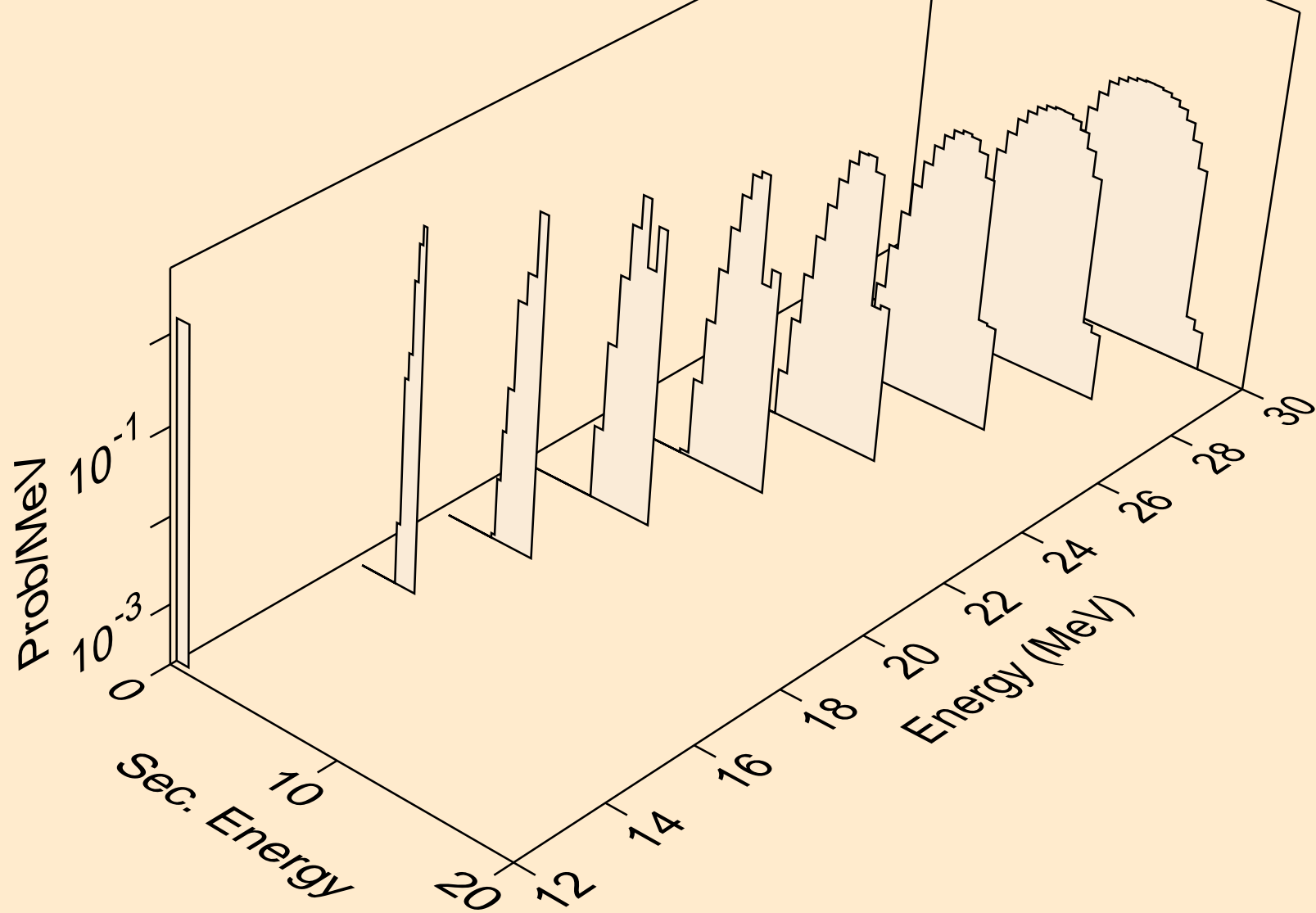
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,x)



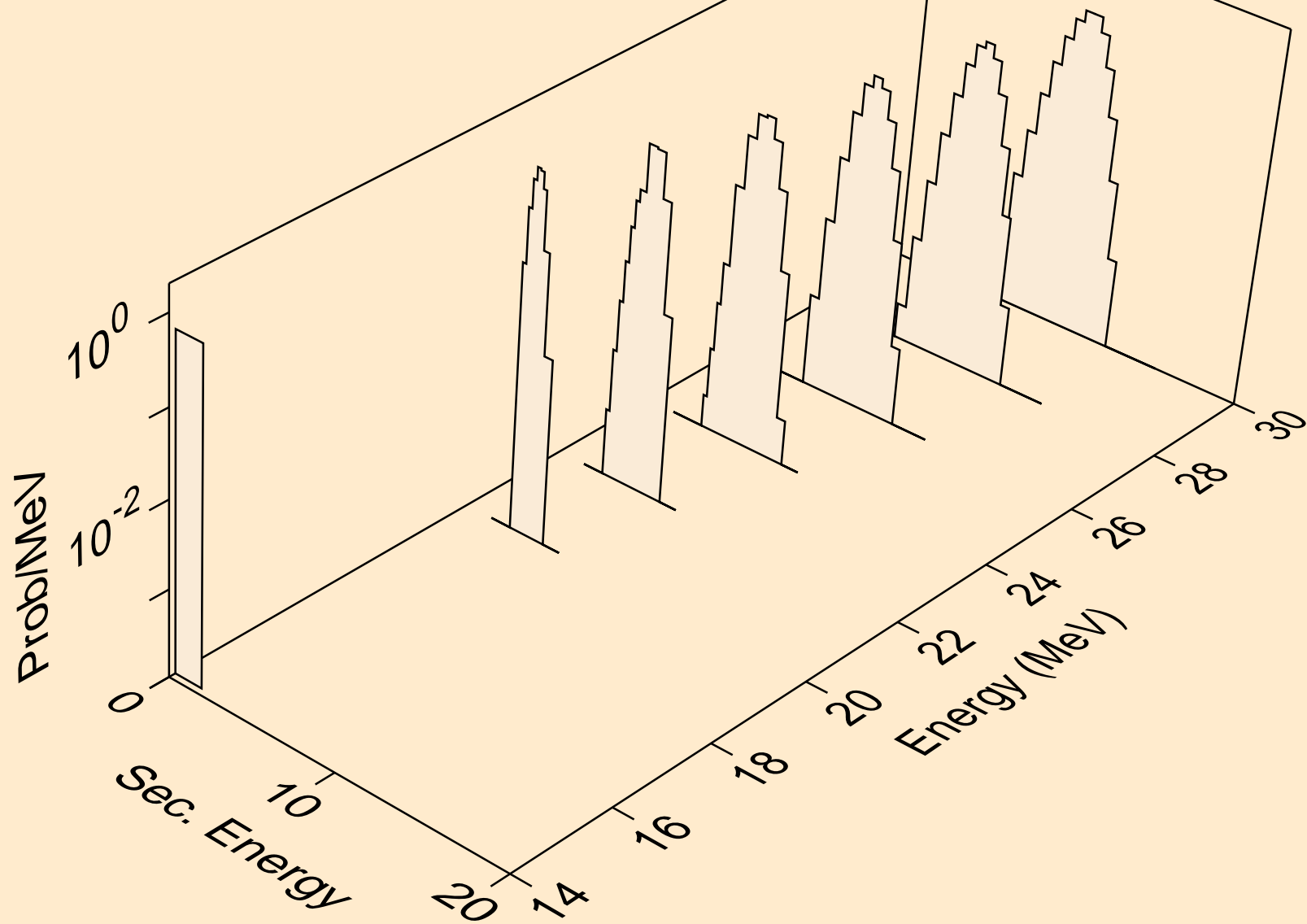
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,n\*)t



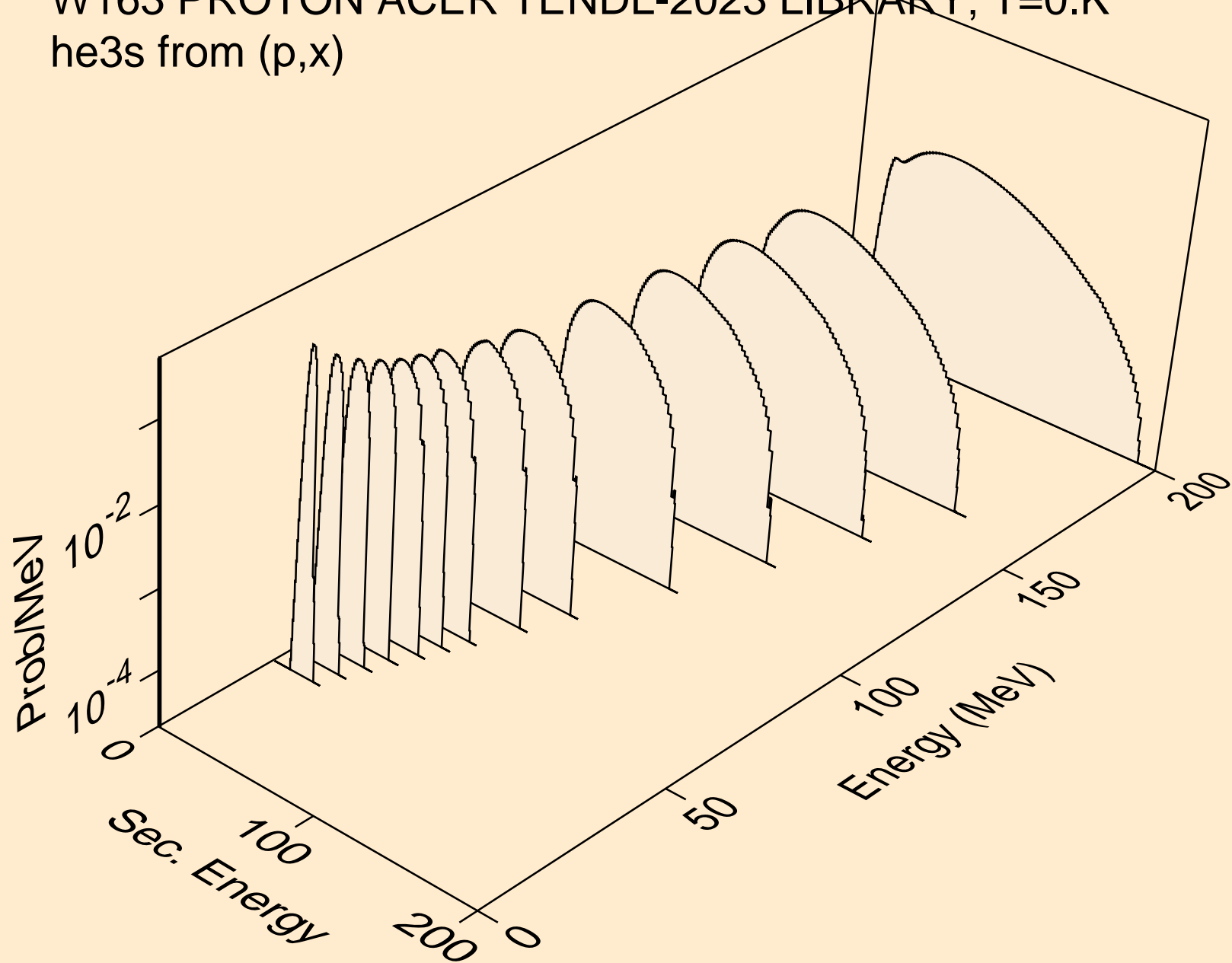
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,t)



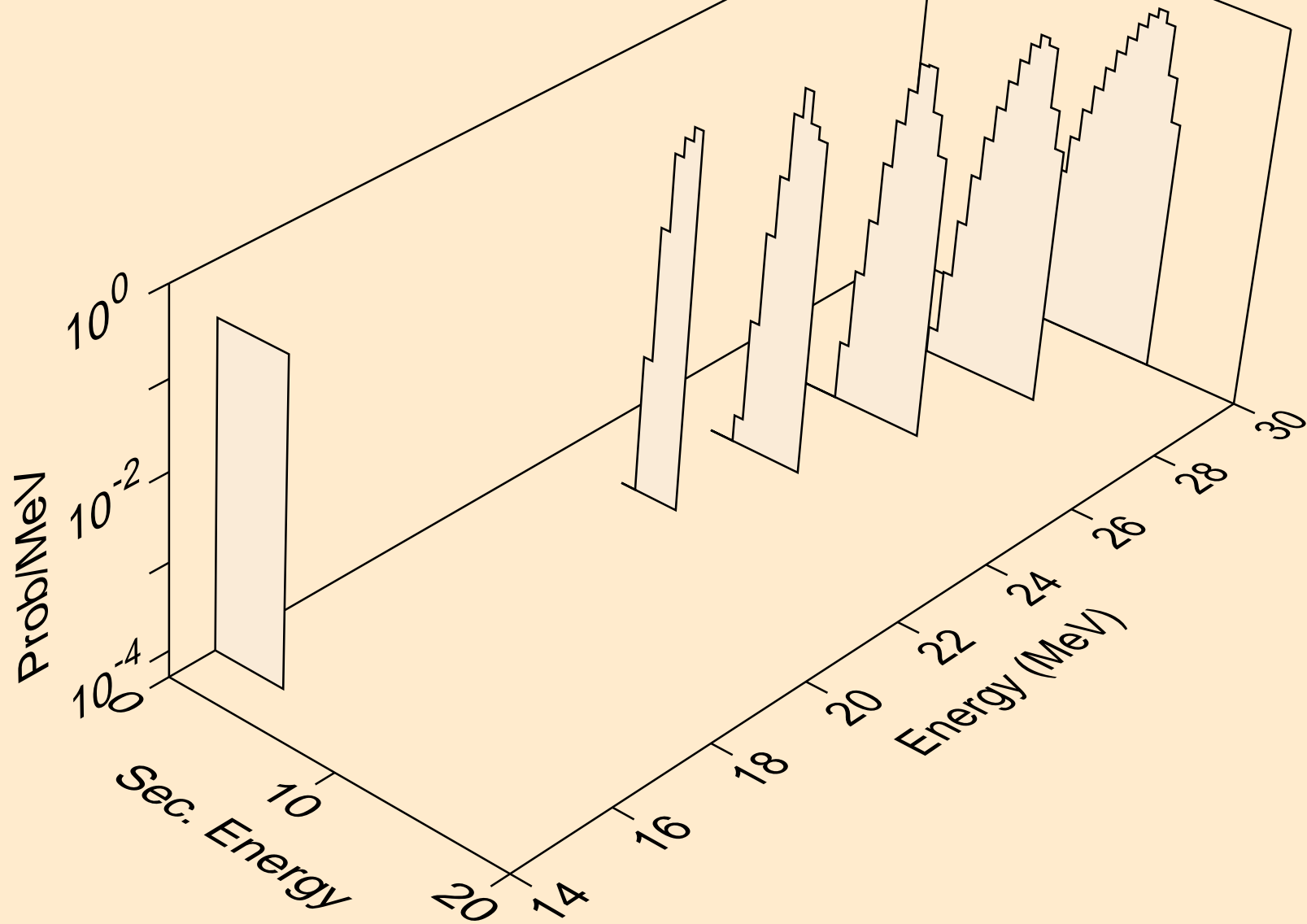
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,pt)



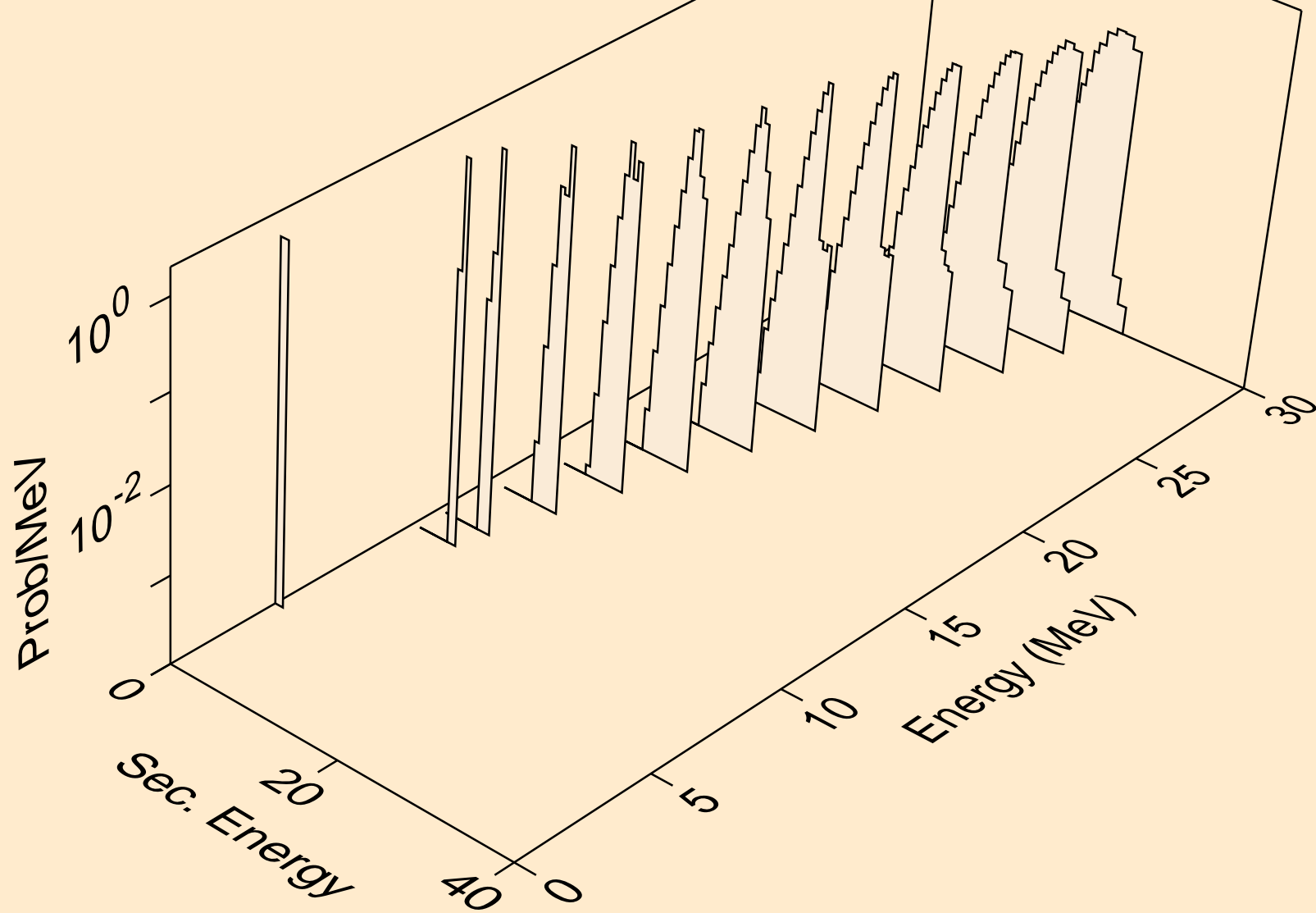
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,x)



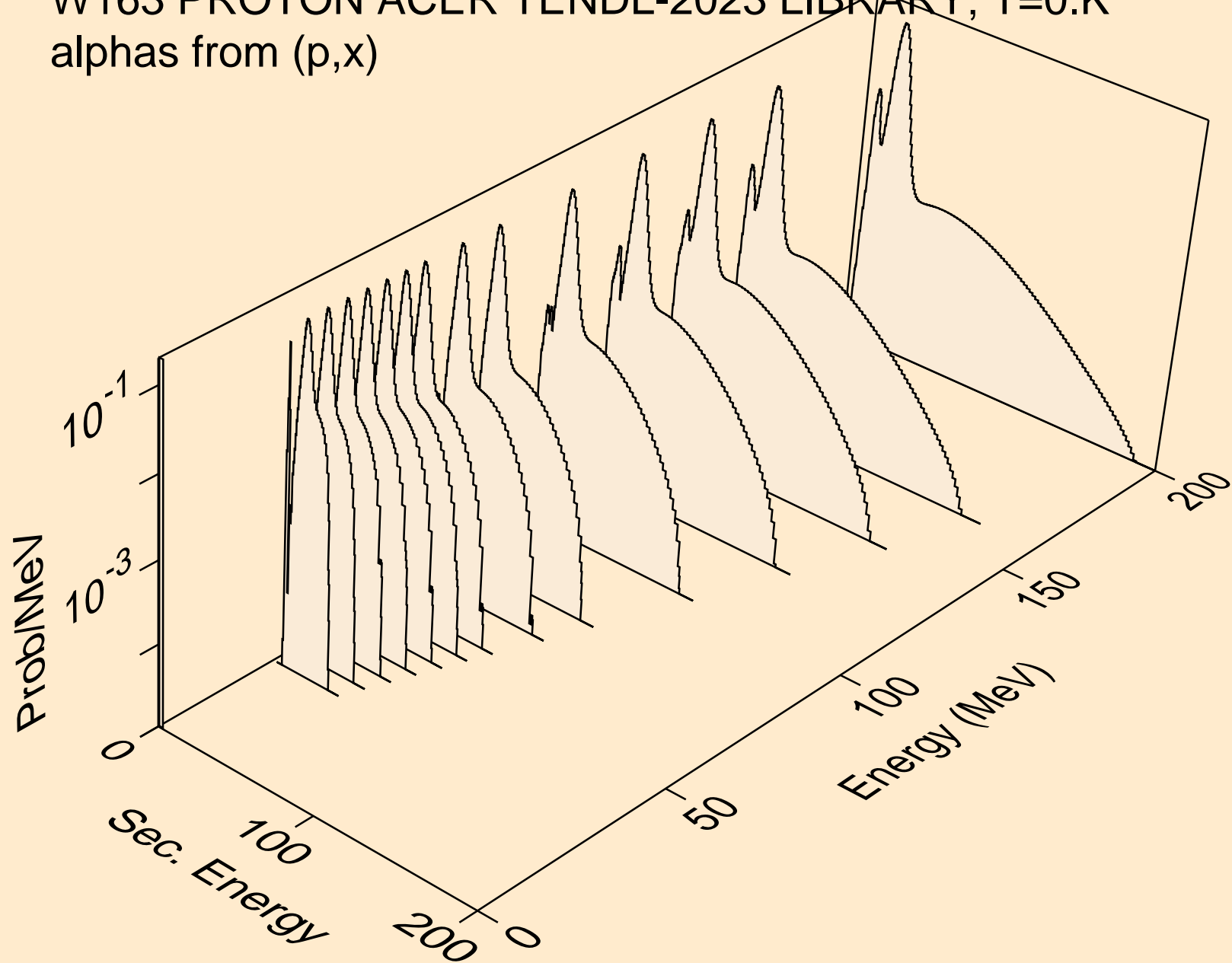
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,n\*)he3



W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,he3)

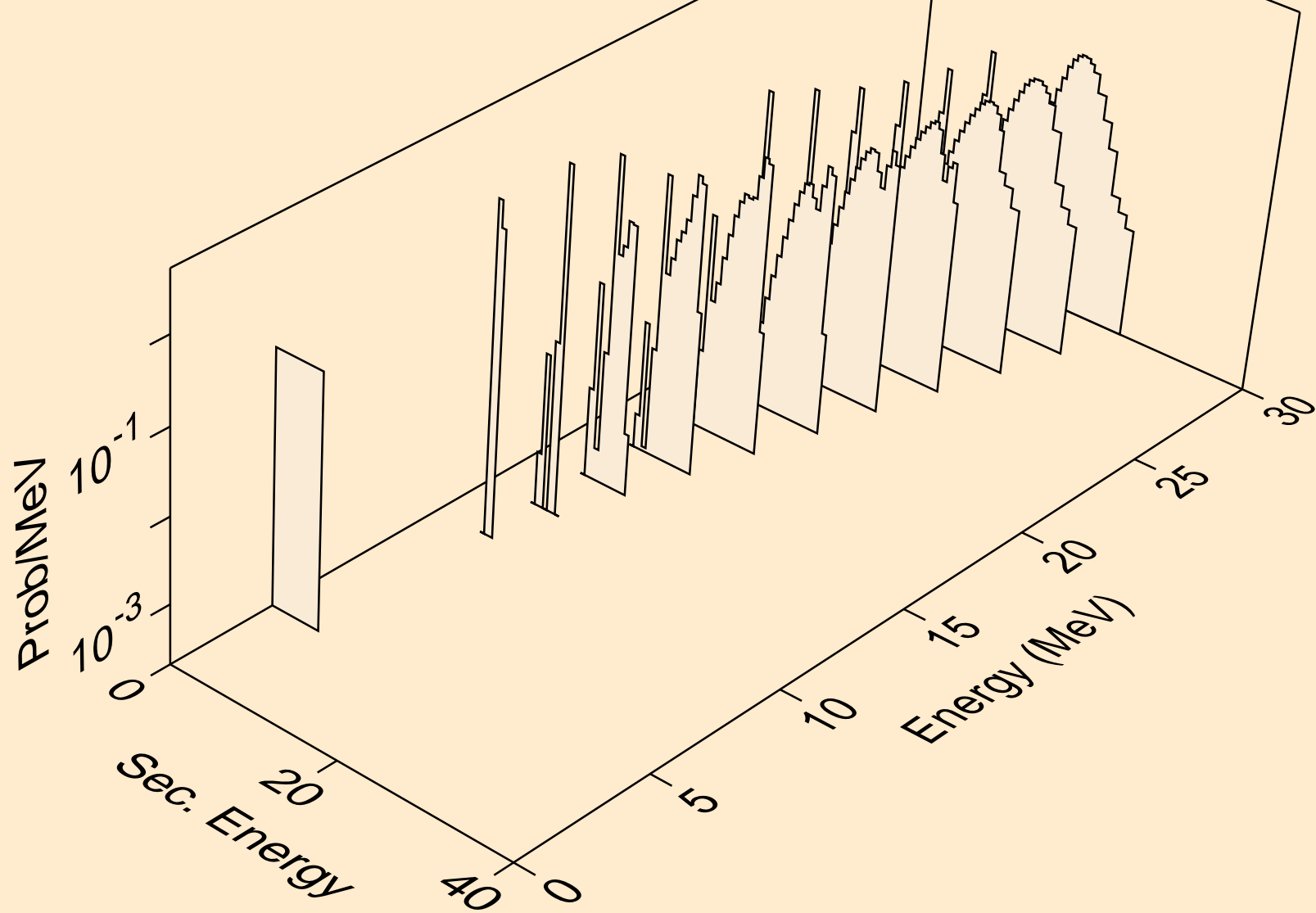


W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)

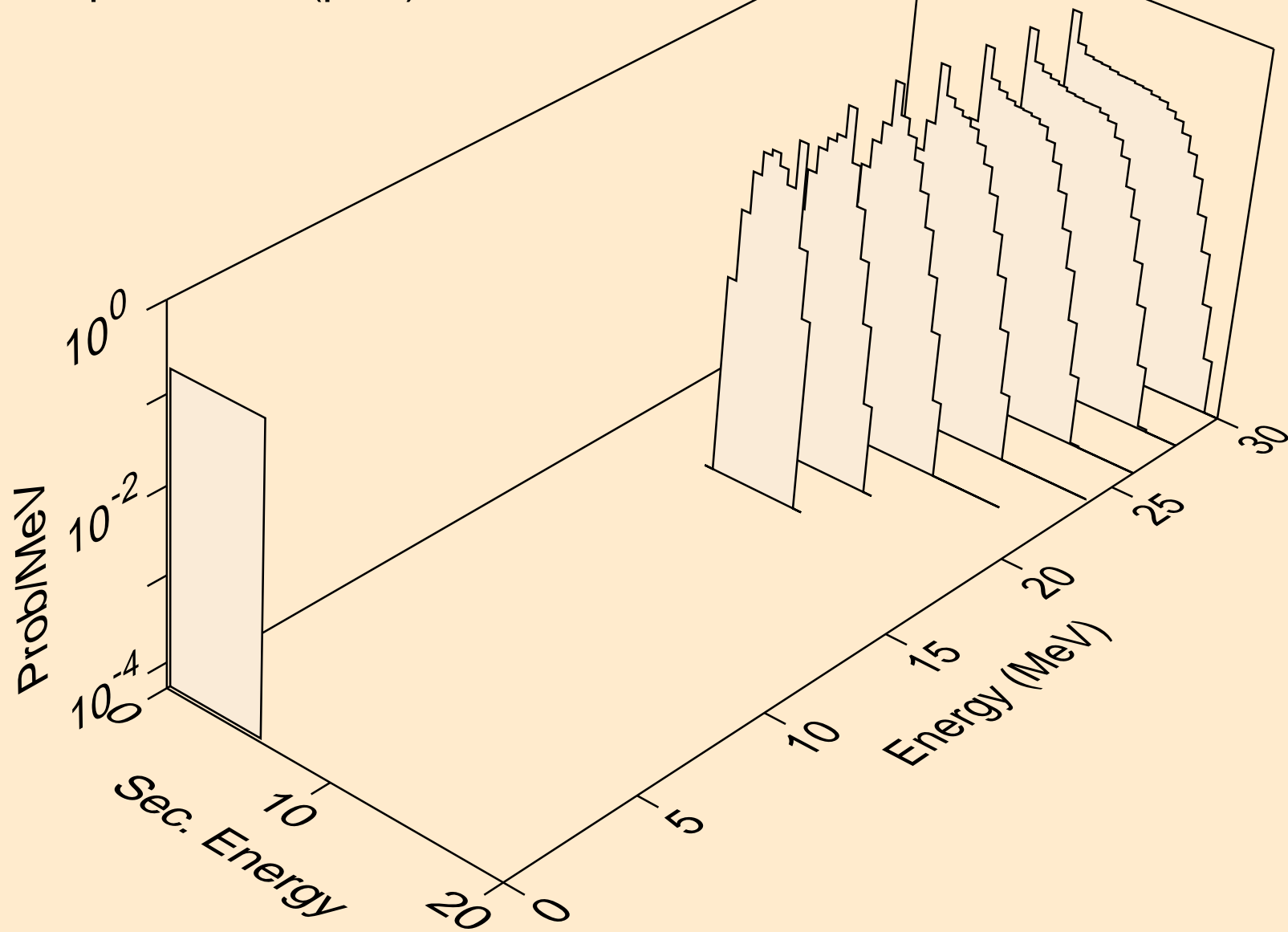




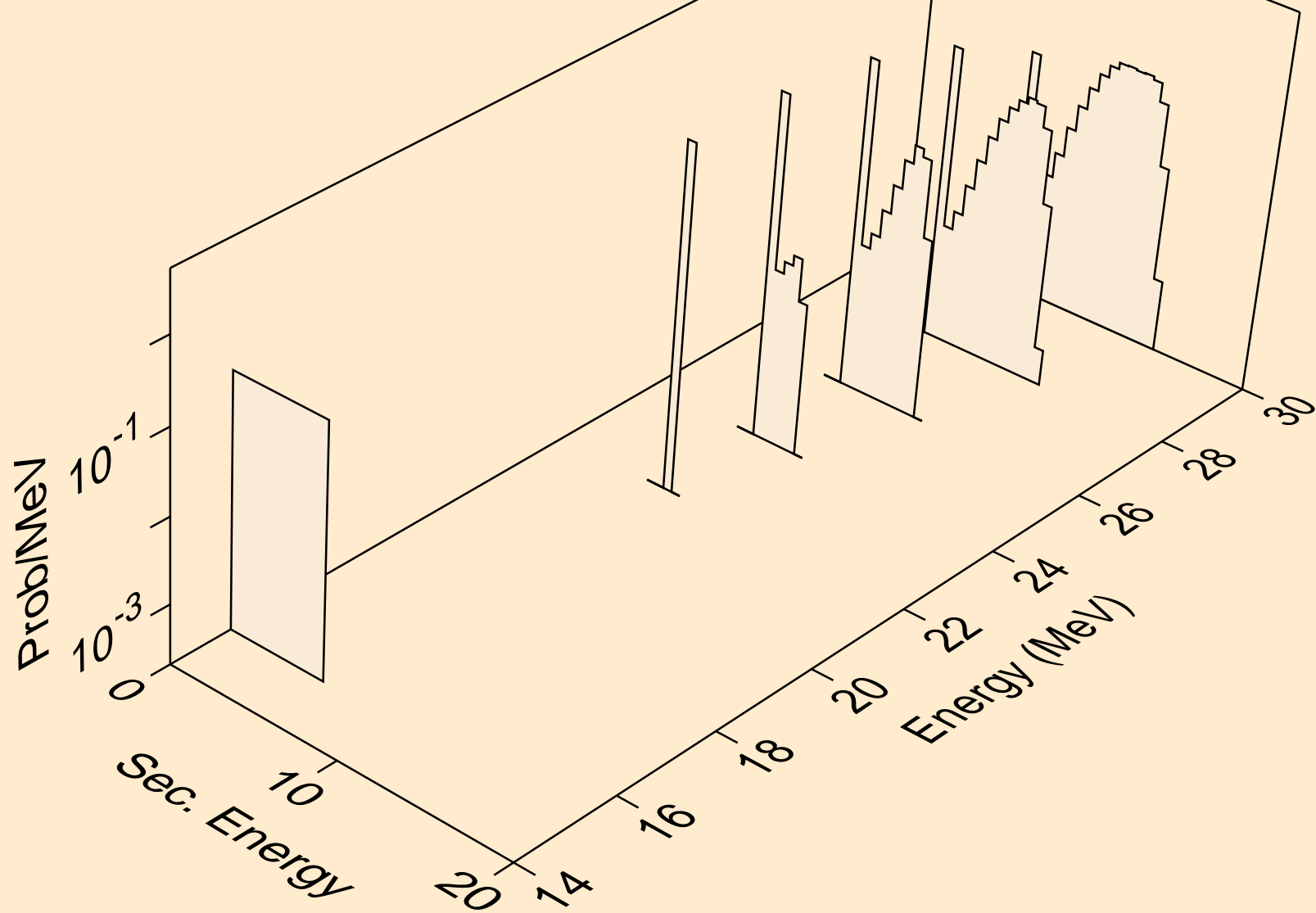
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a



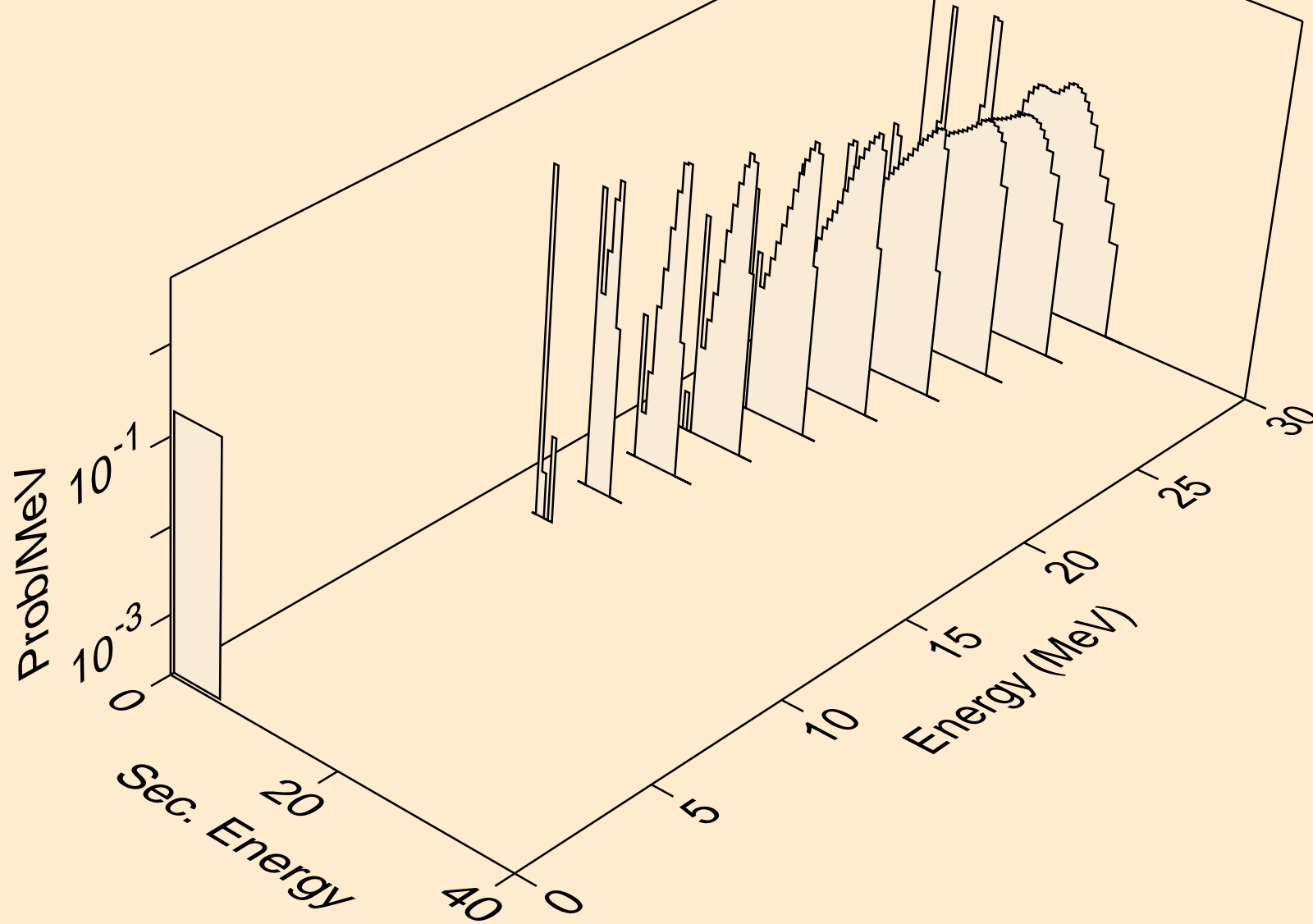
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)3a



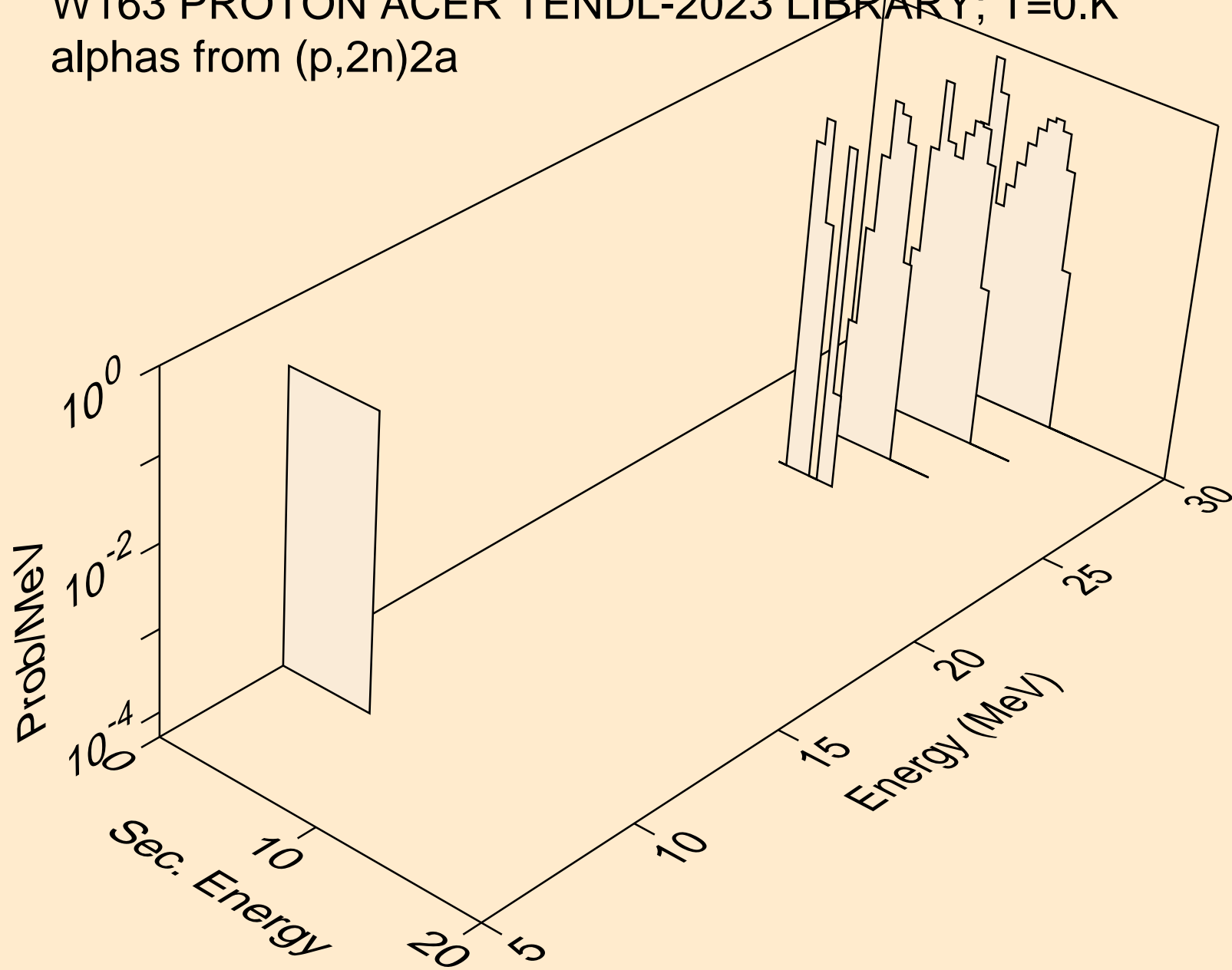
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)a



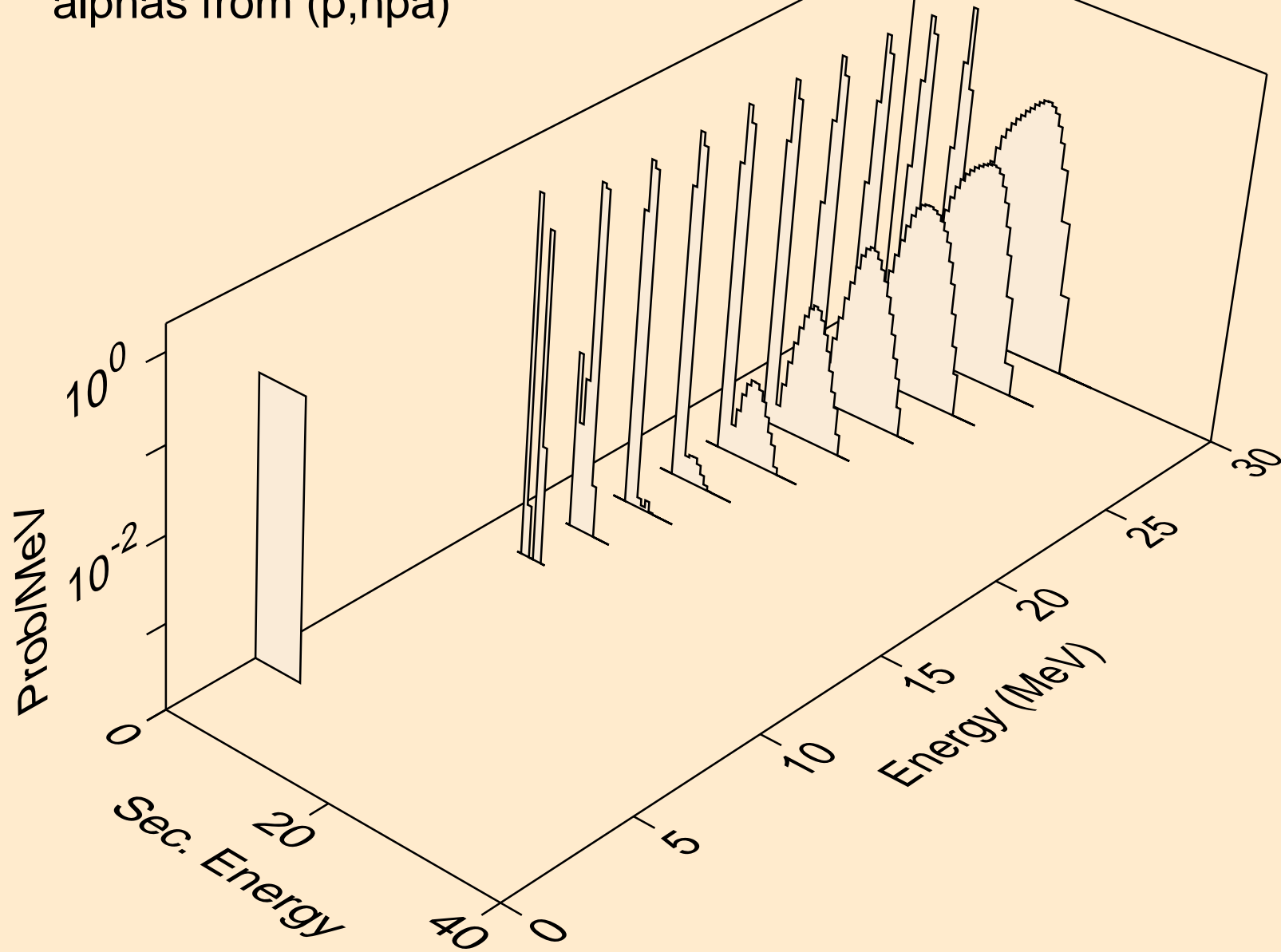
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)2a



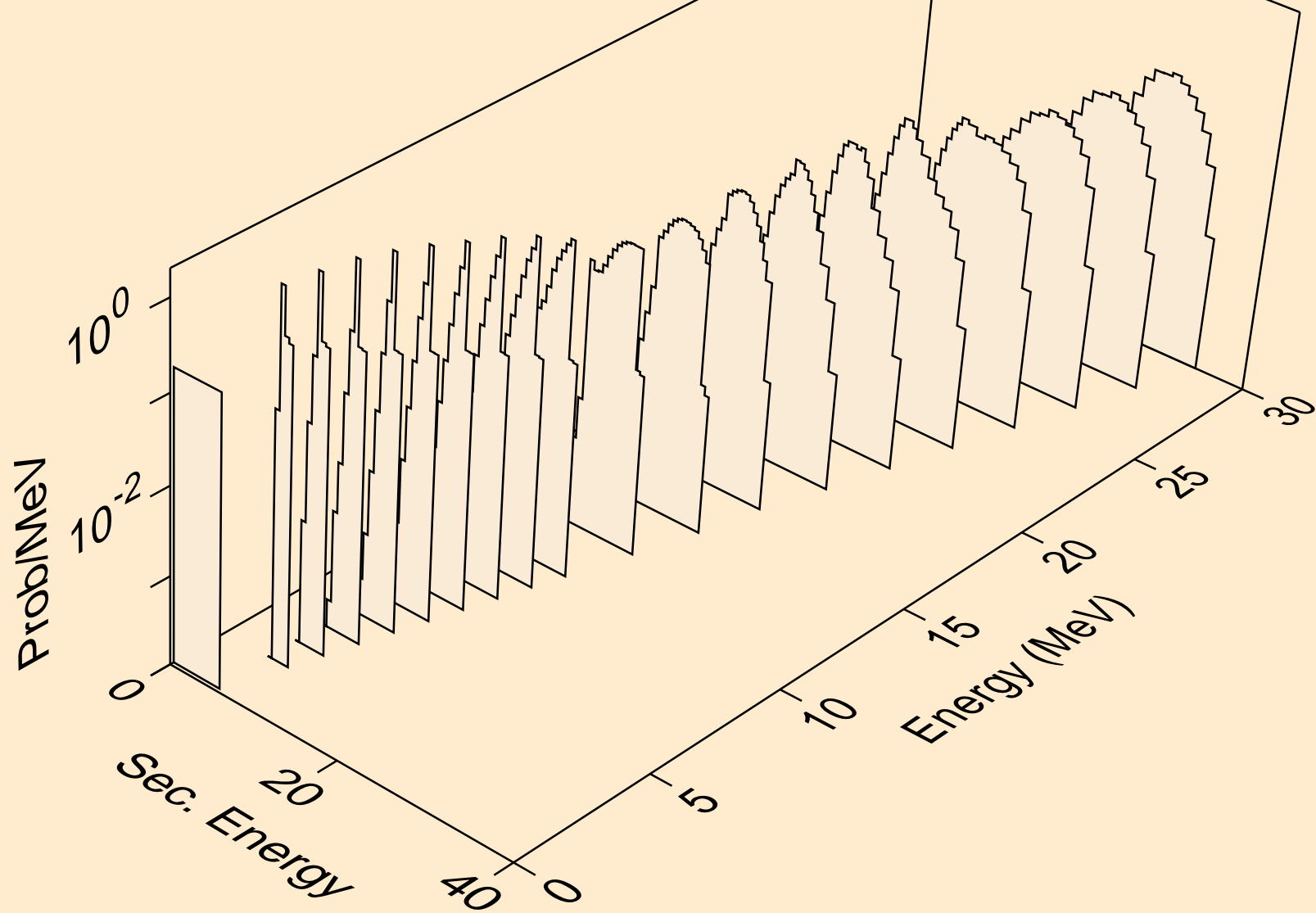
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)2a



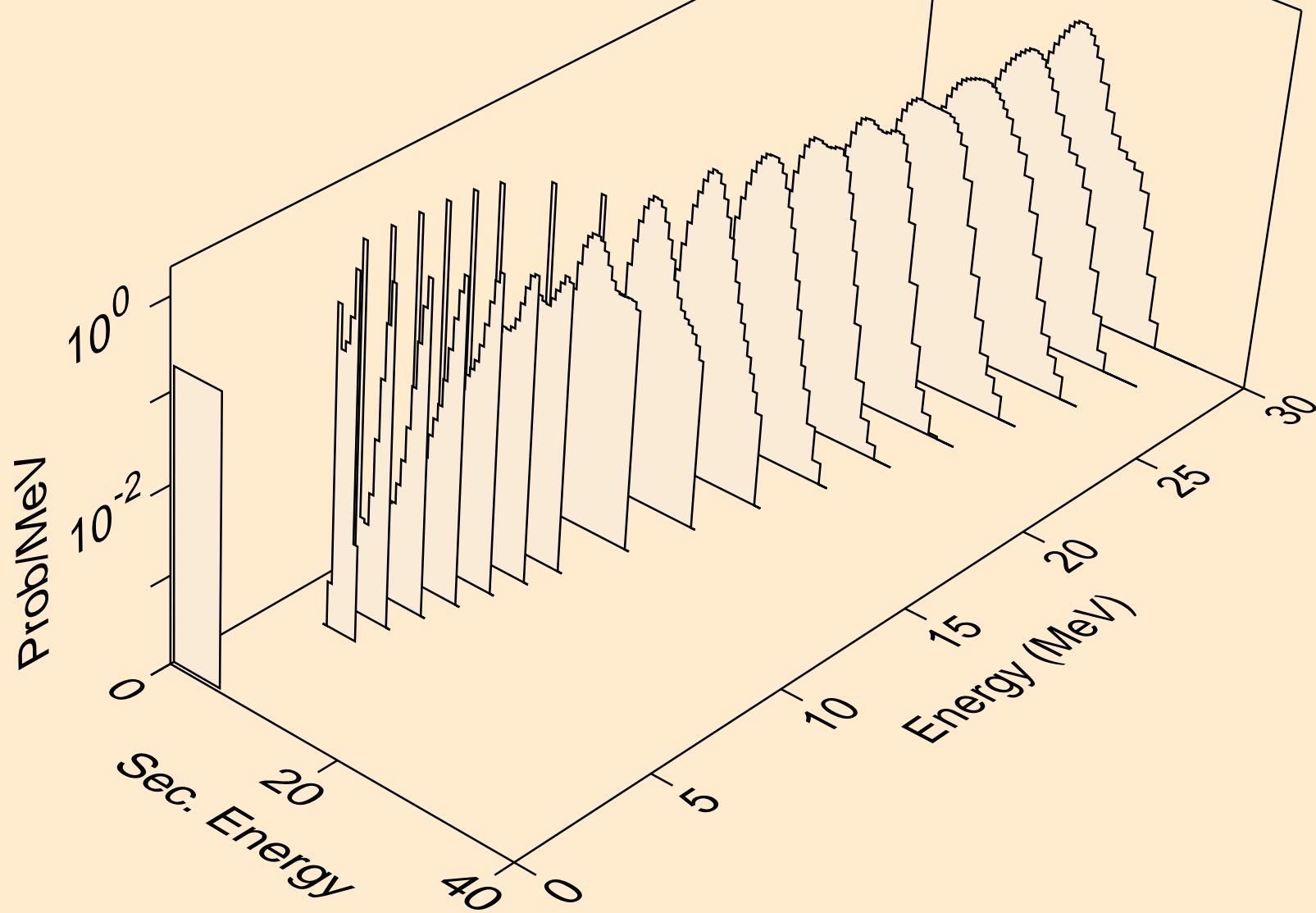
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,npa)



W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,a)

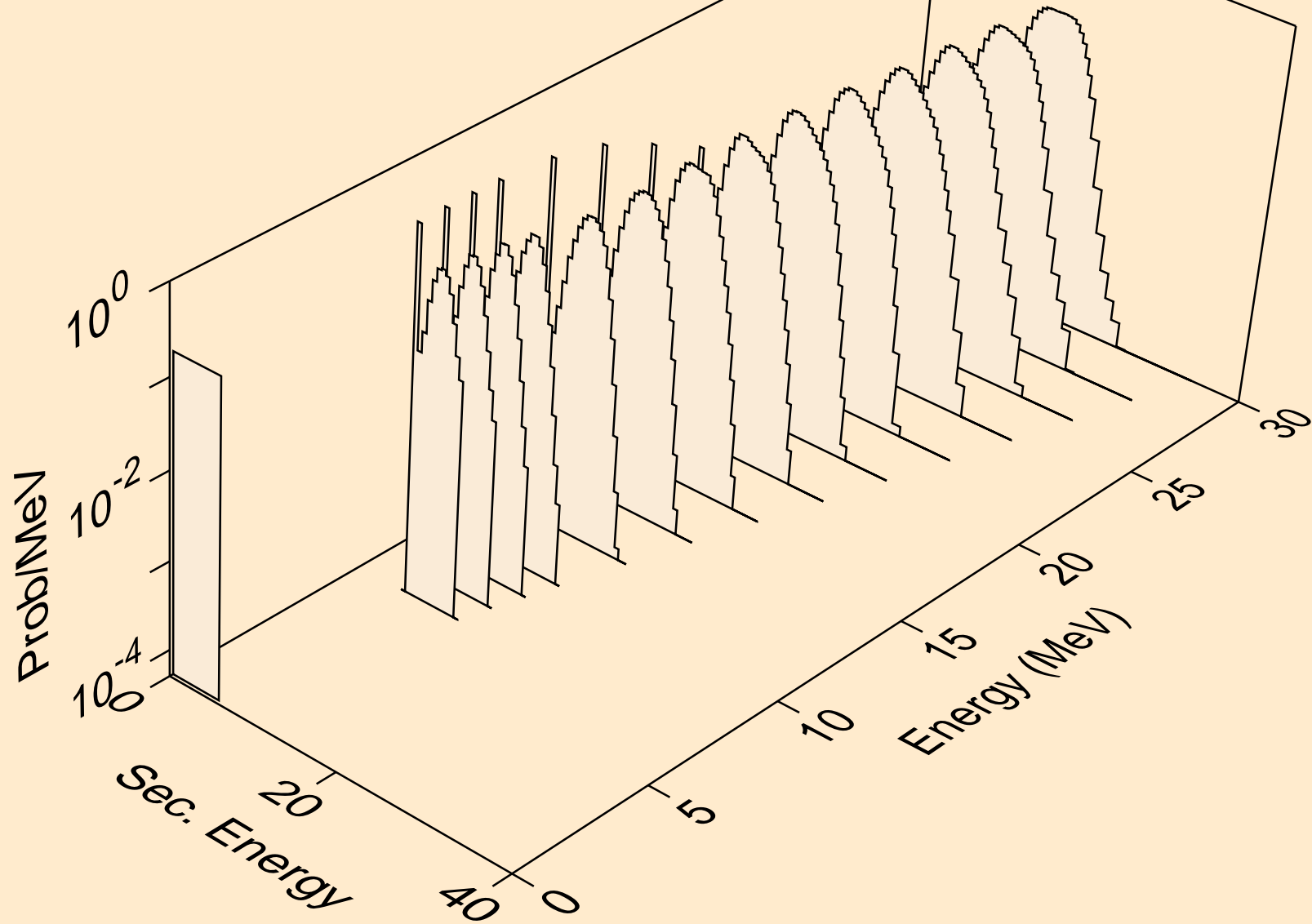


W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2a)

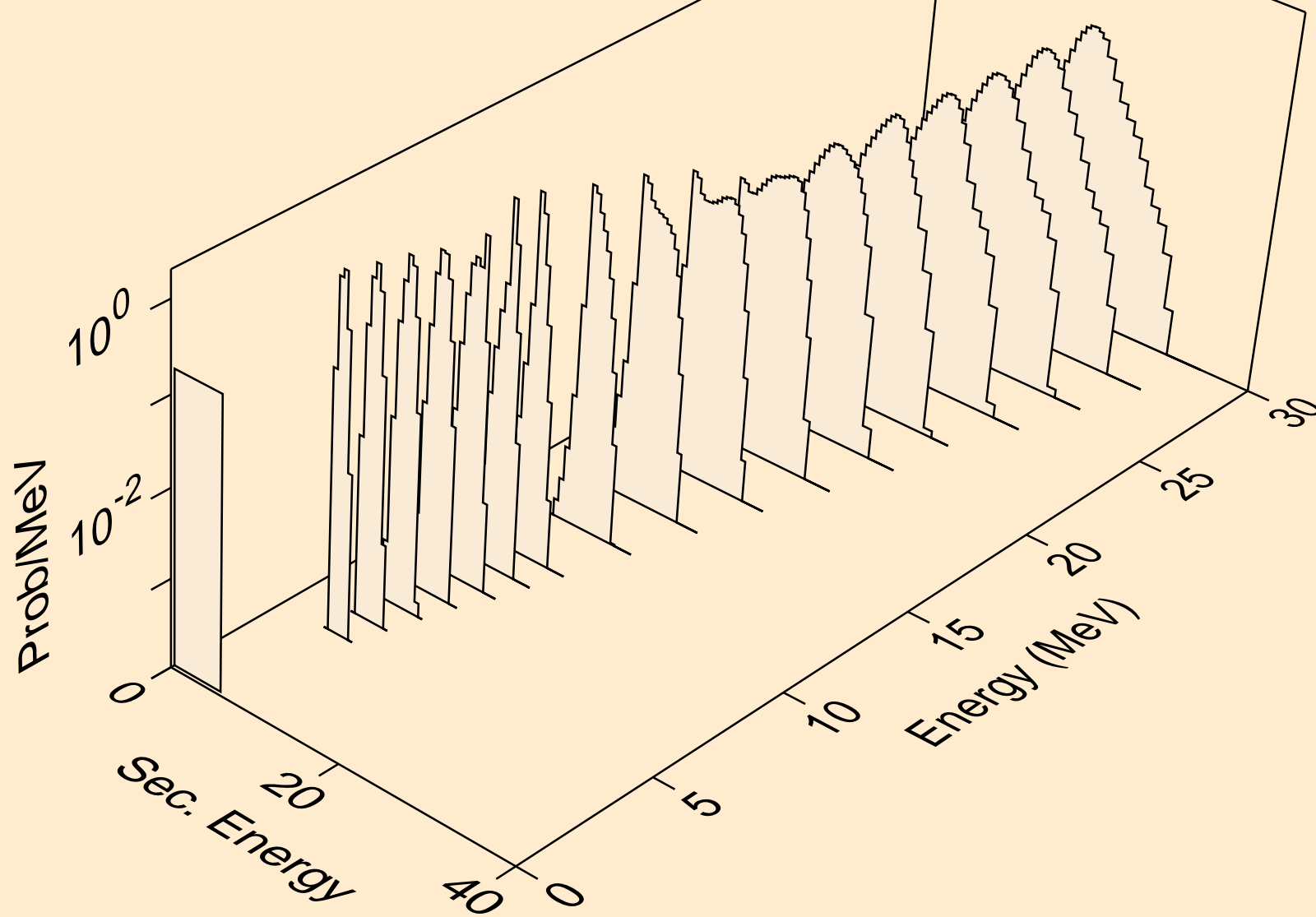




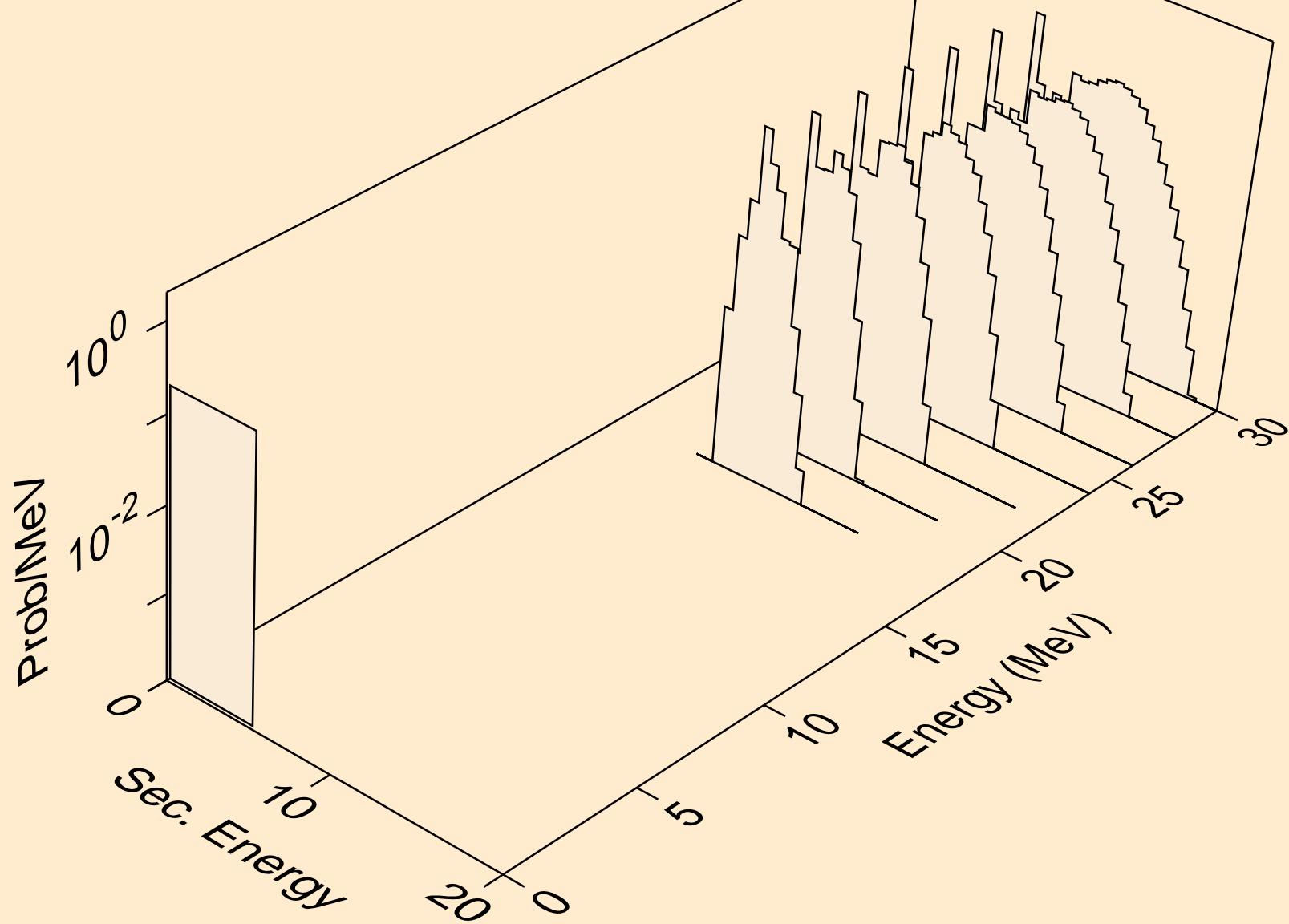
W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,3a)



W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,pa)



W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,d2a)



W163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,da)

