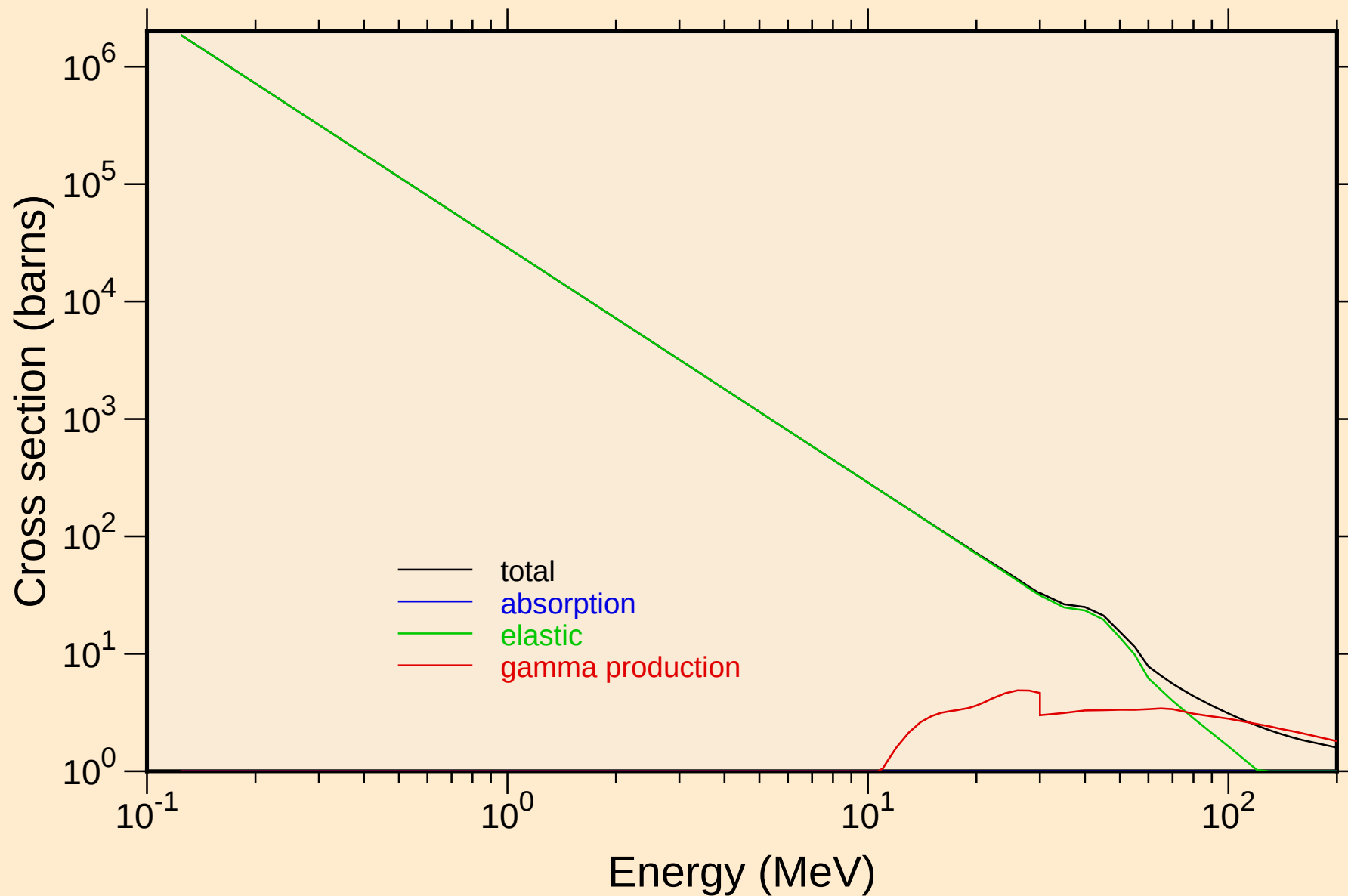


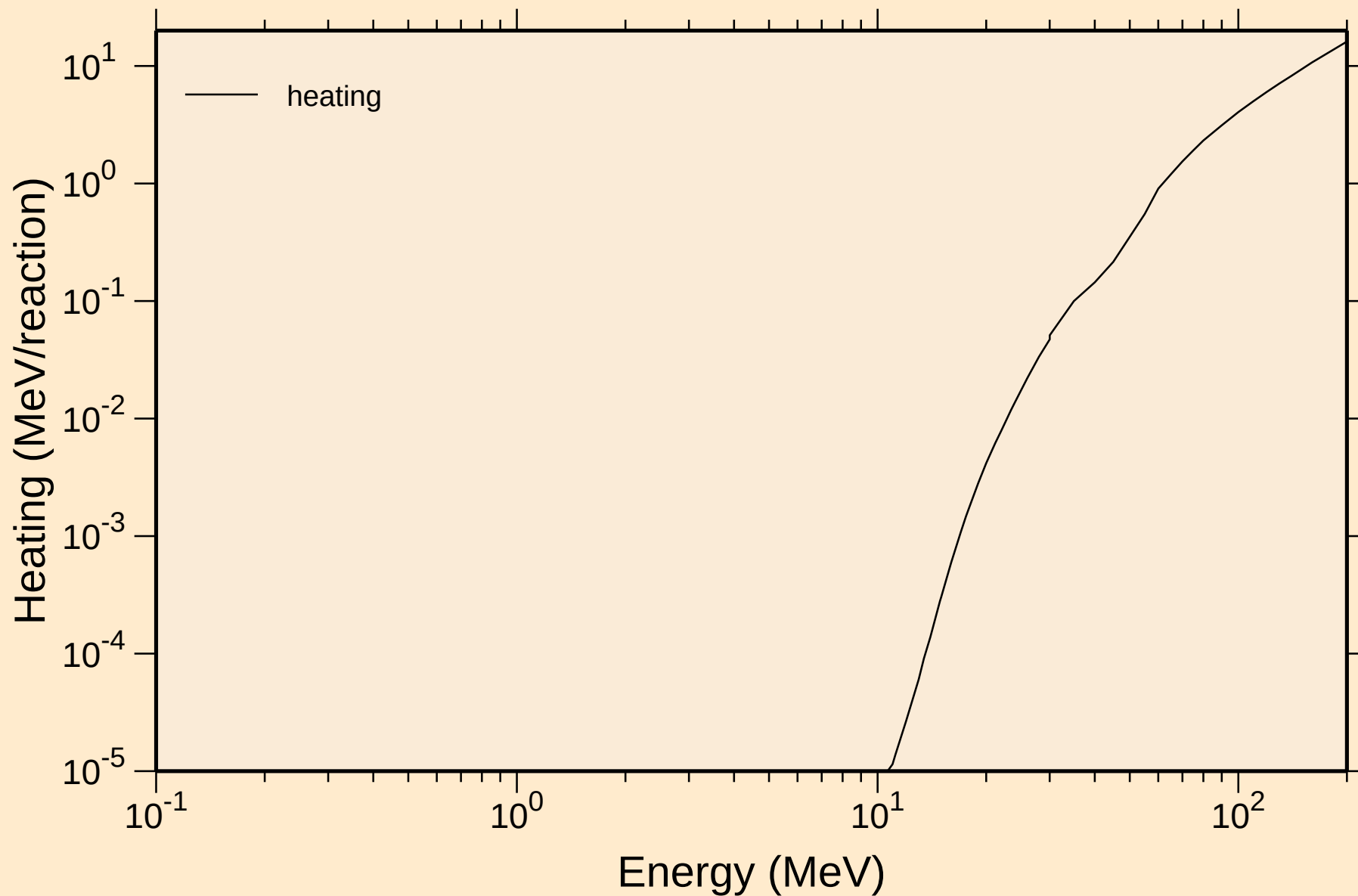
# ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



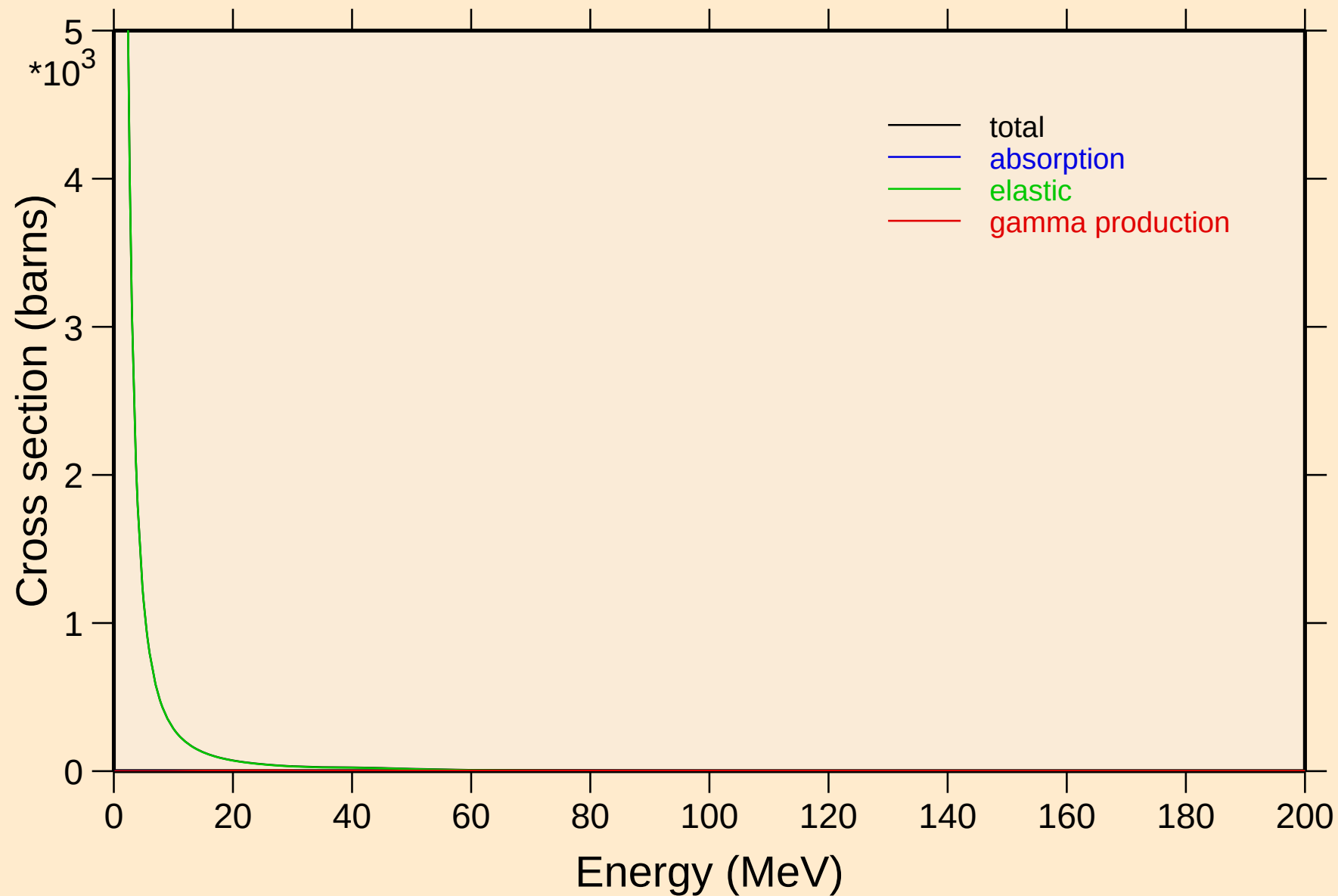
# ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Heating



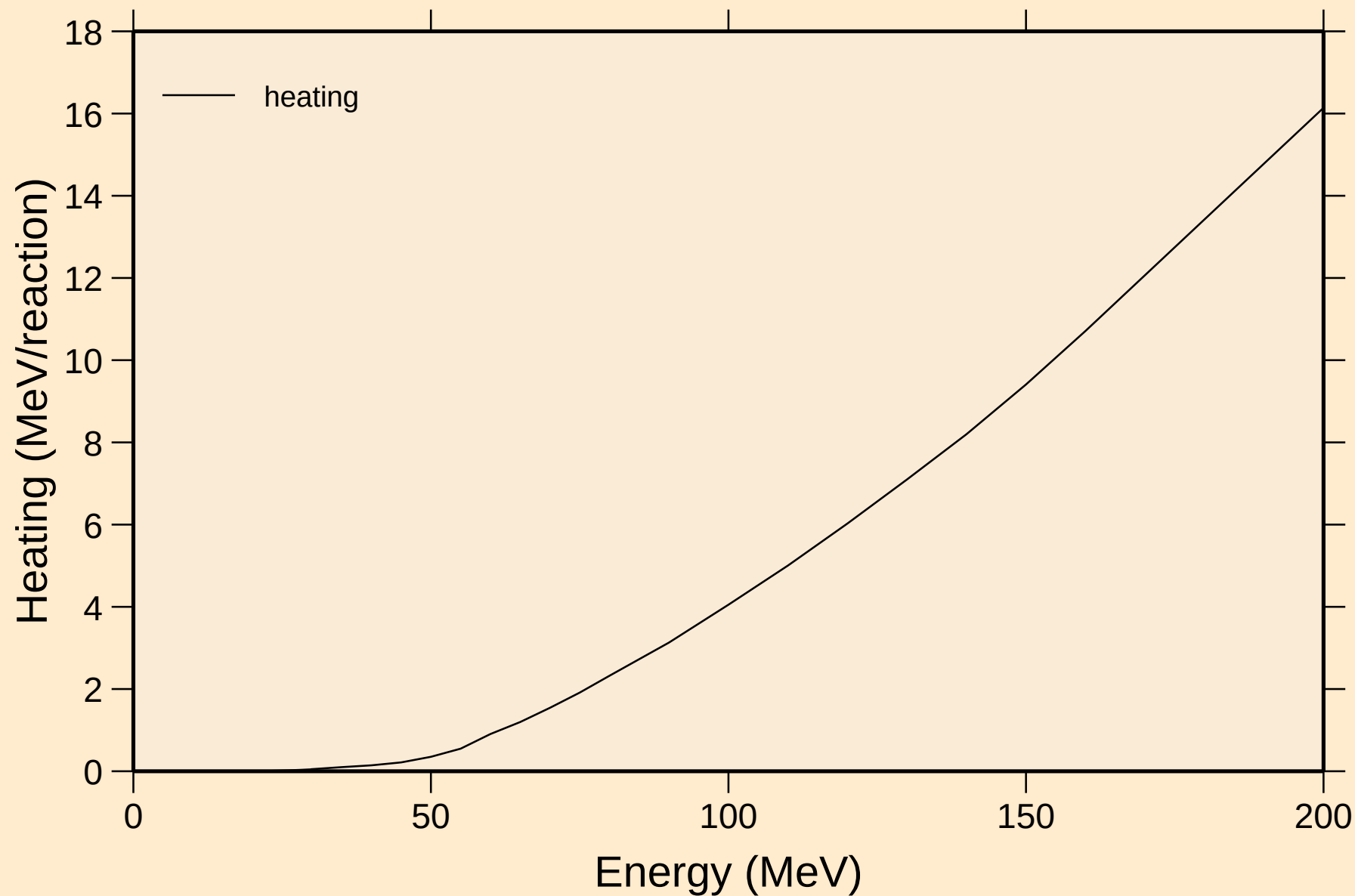
# ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



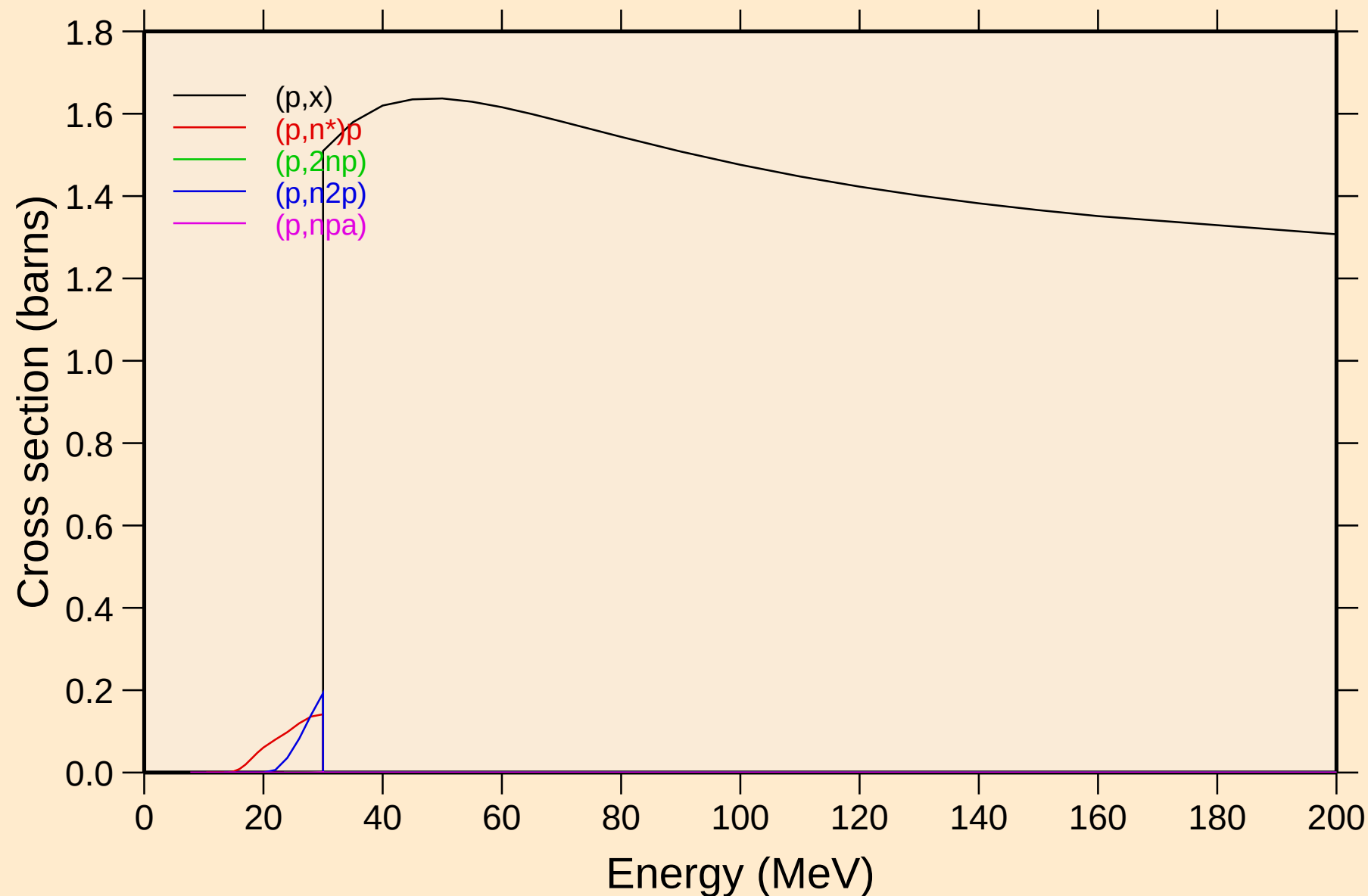
# ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Heating



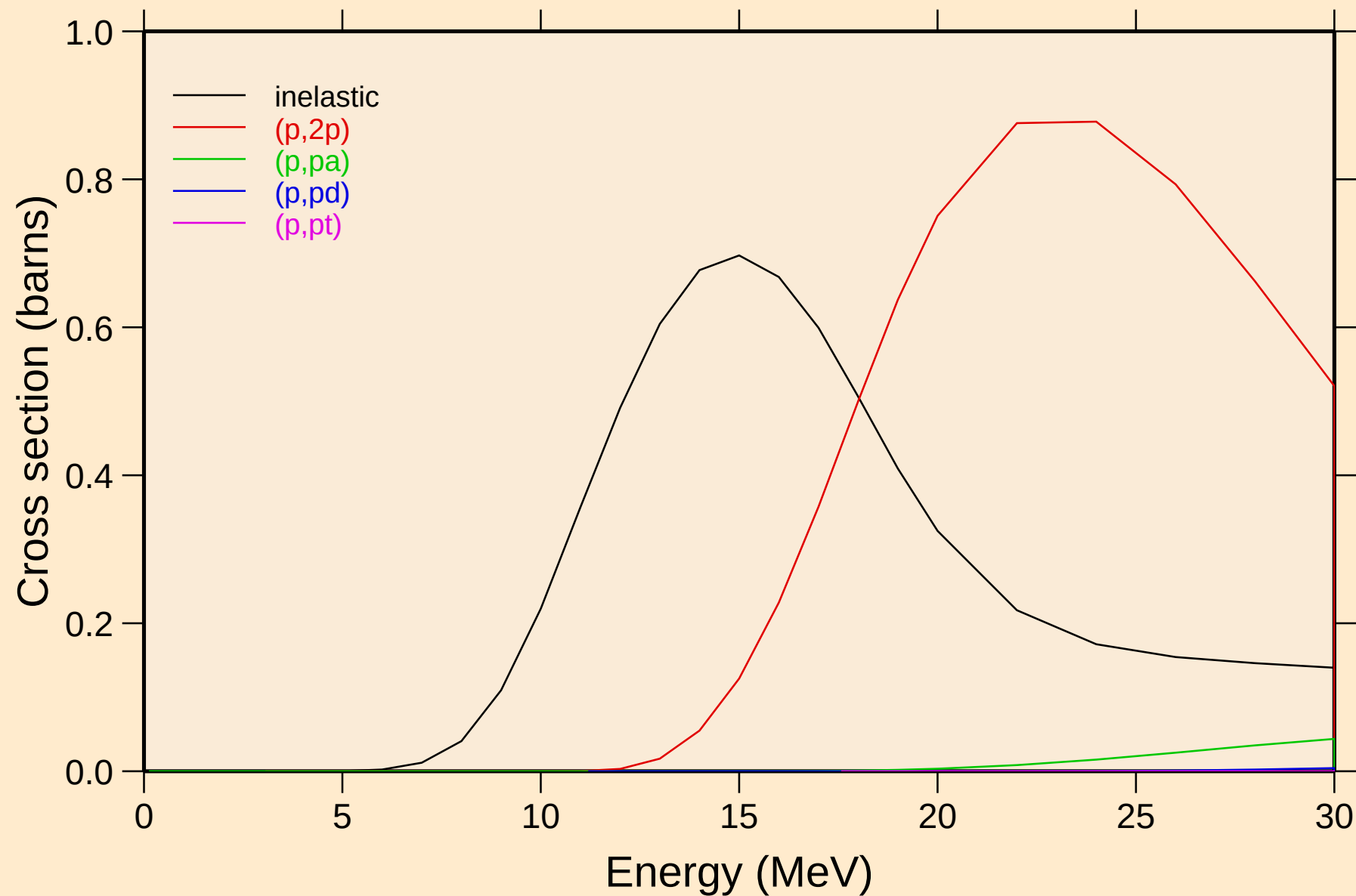
# ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



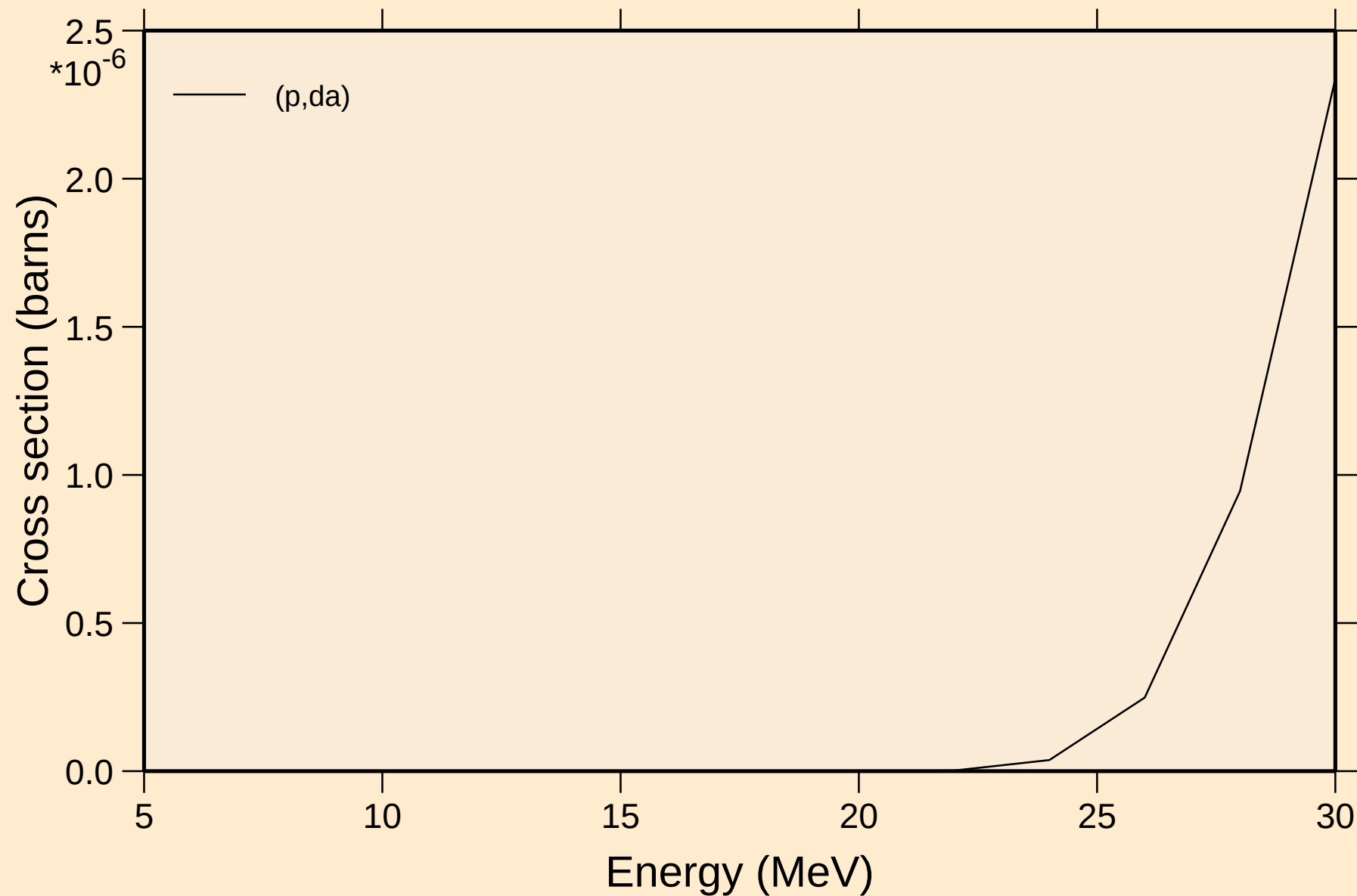
# ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

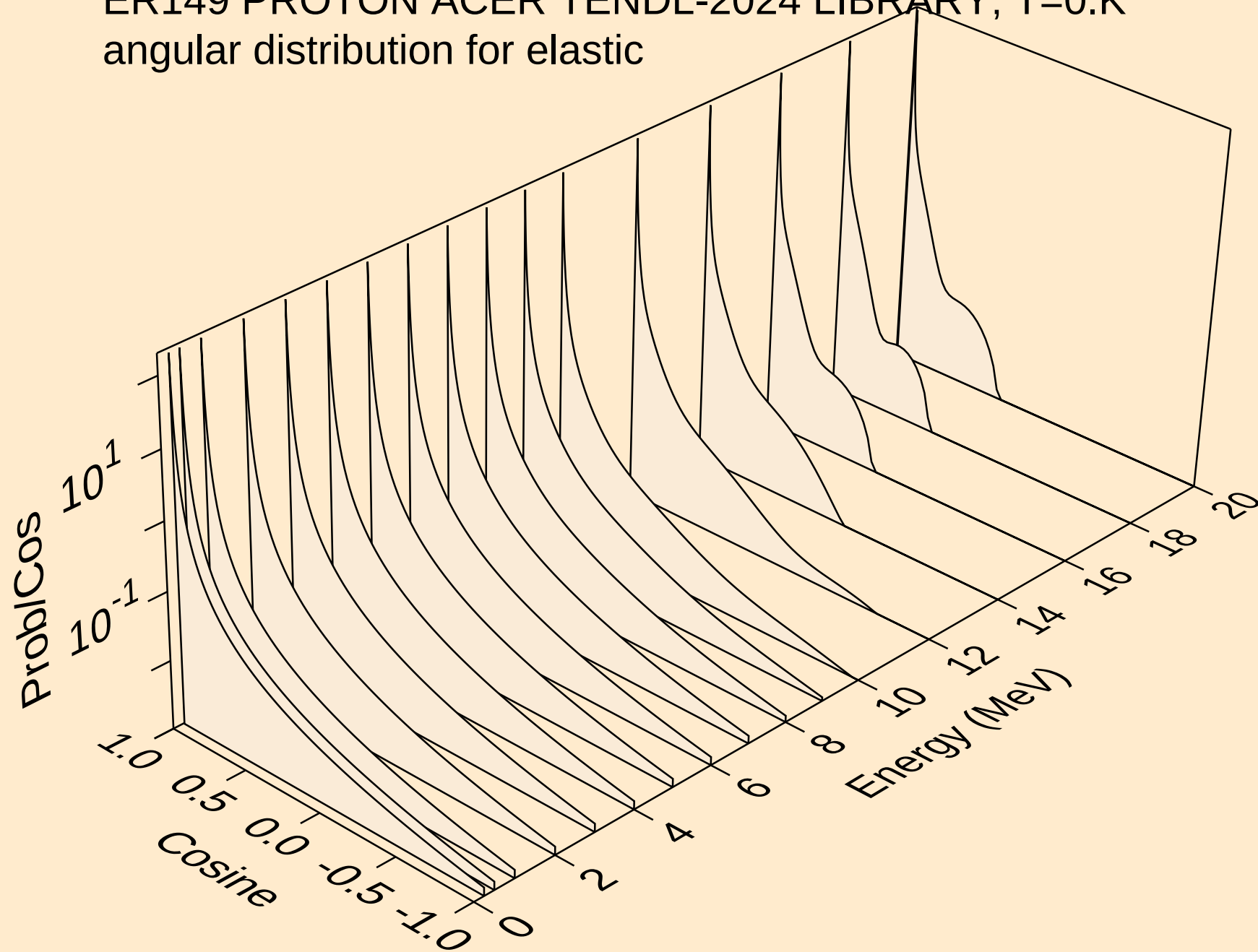


# ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Threshold reactions

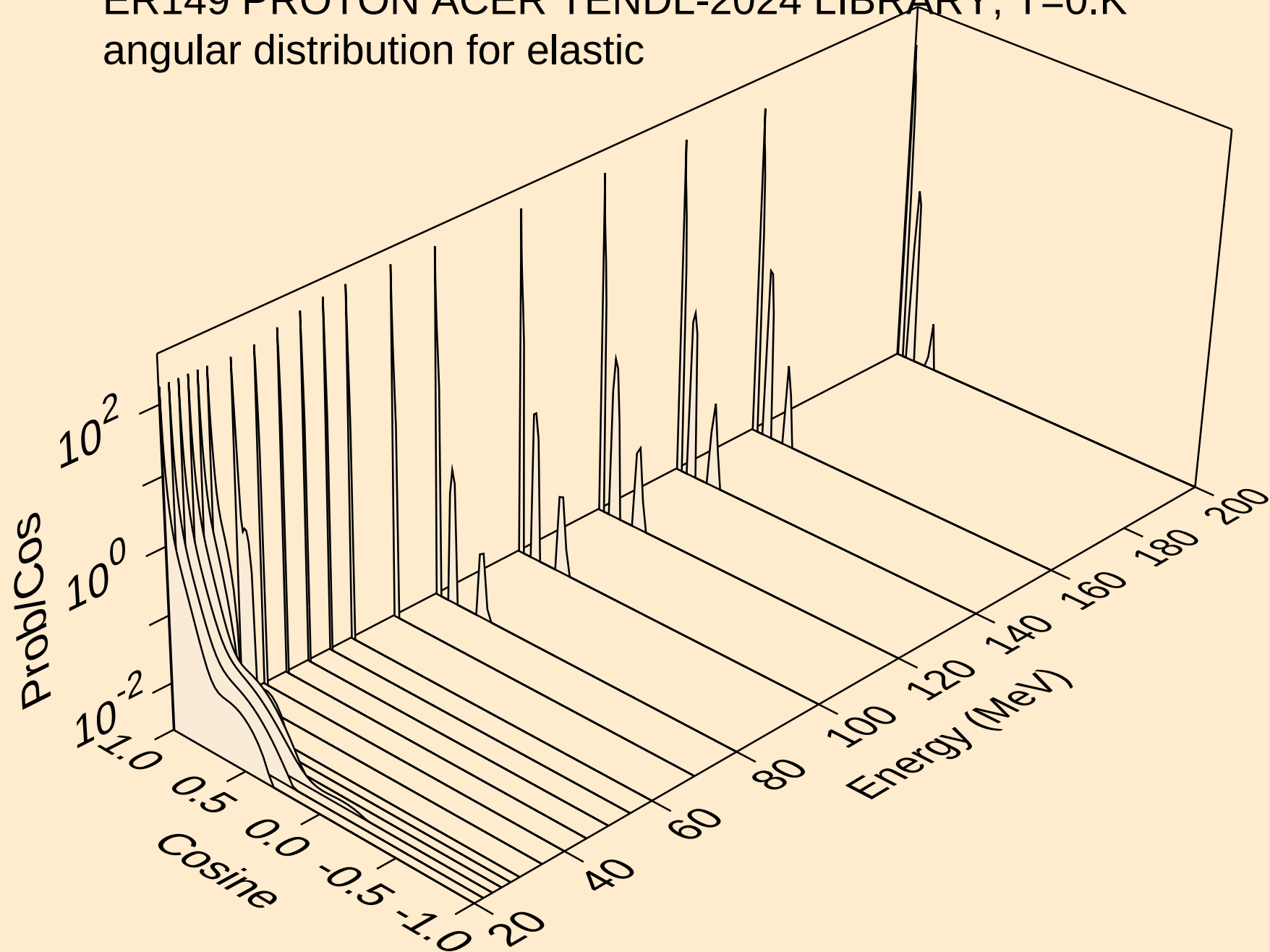


ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



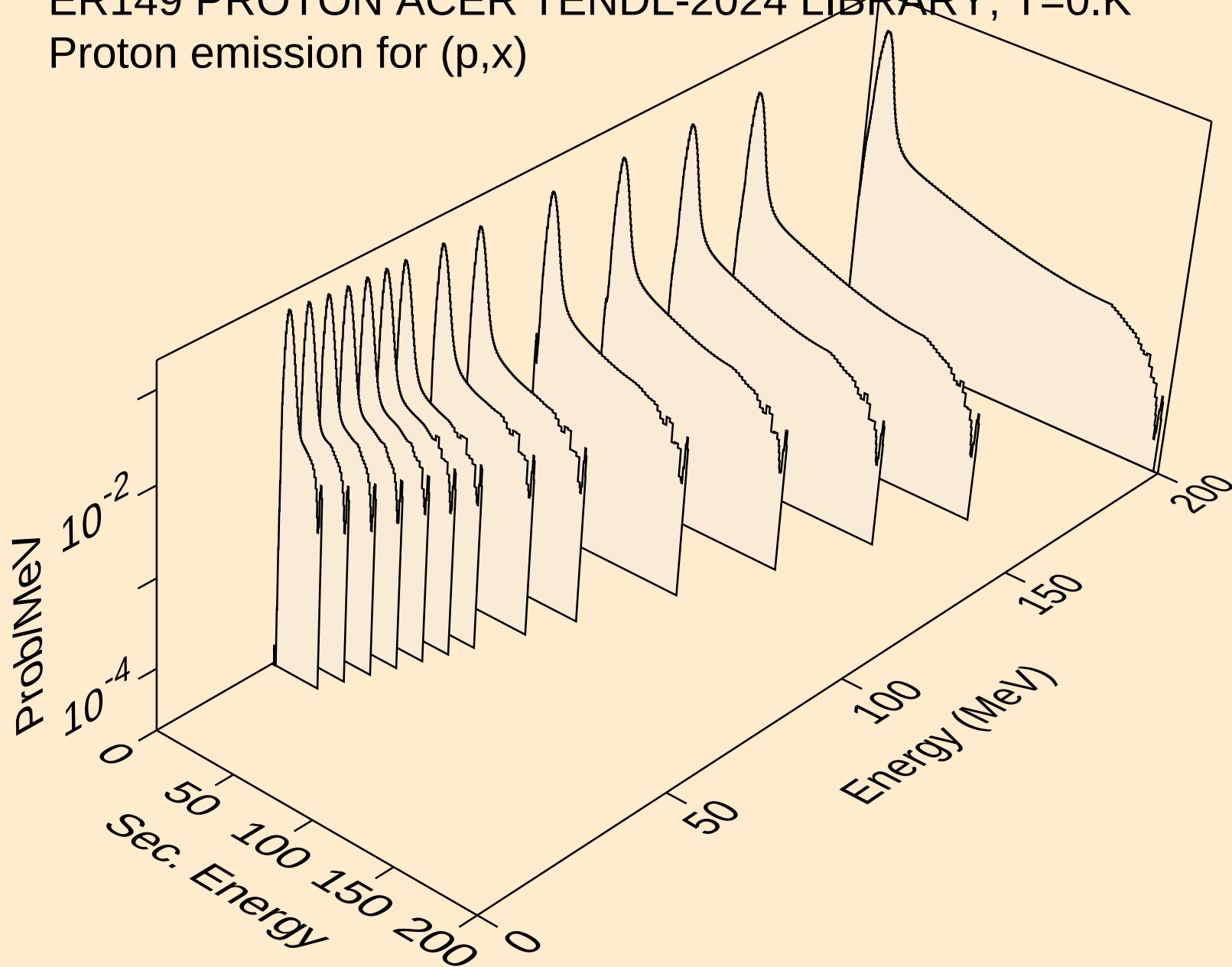


ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



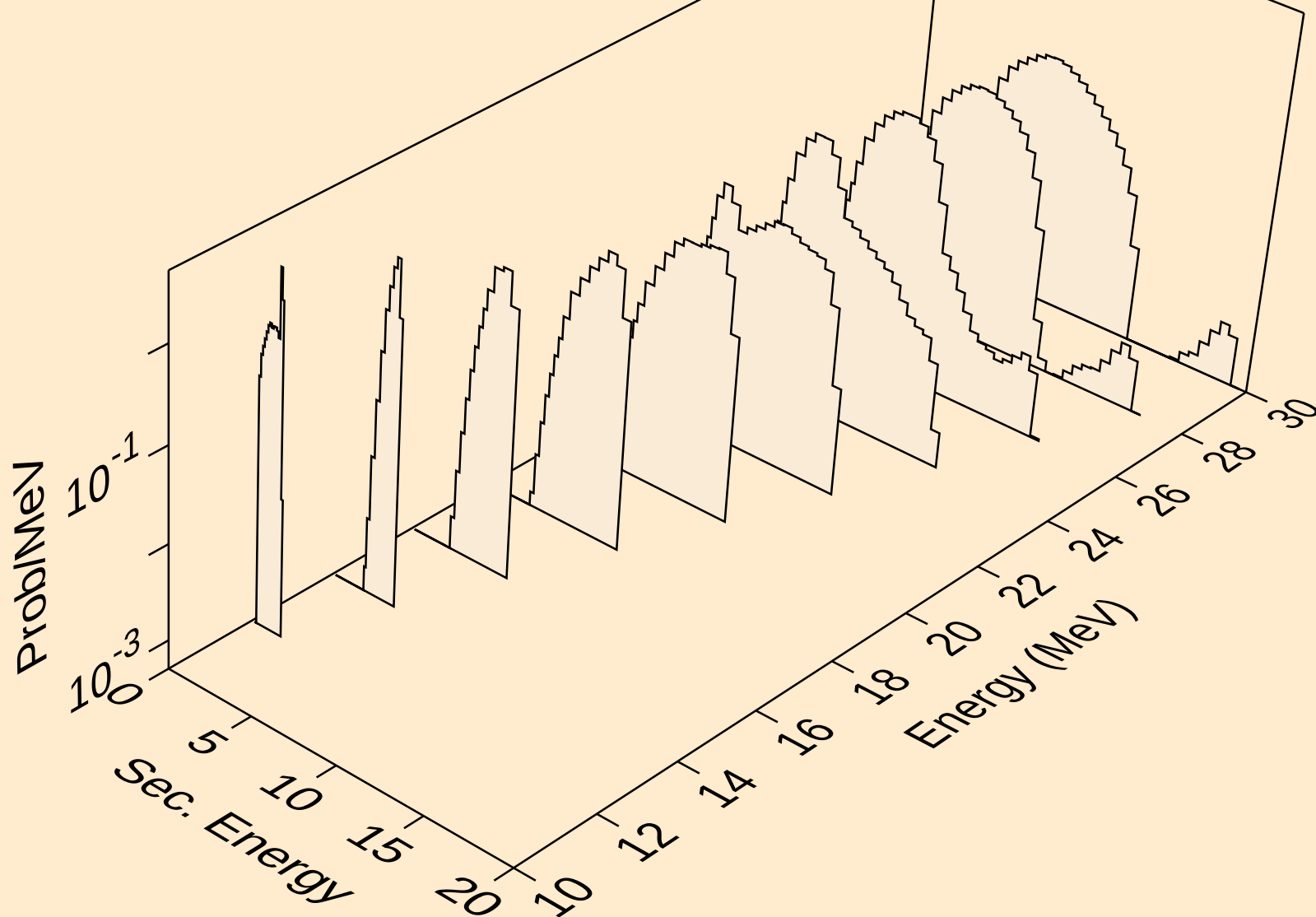
ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Proton emission for (p,x)

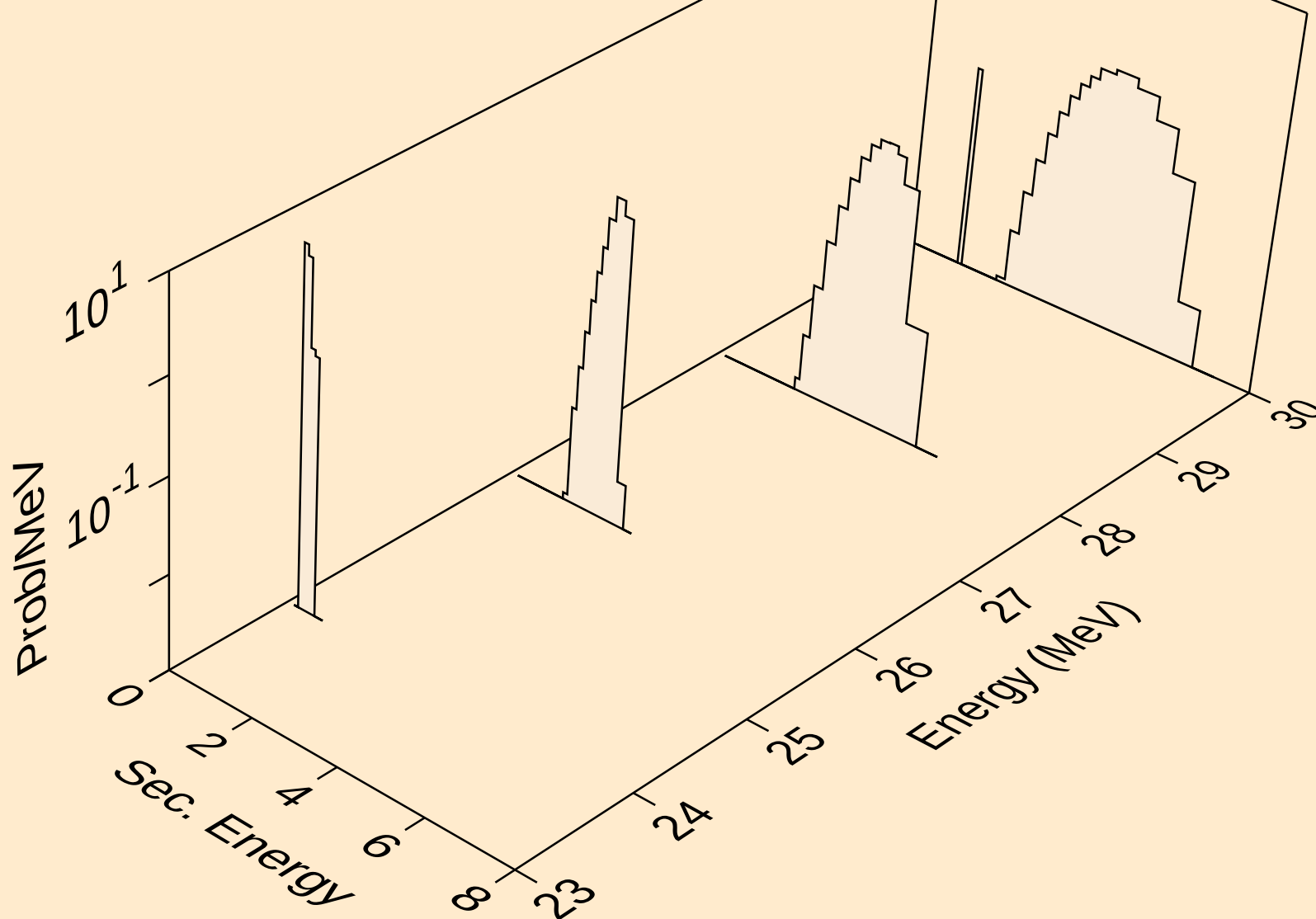


ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K

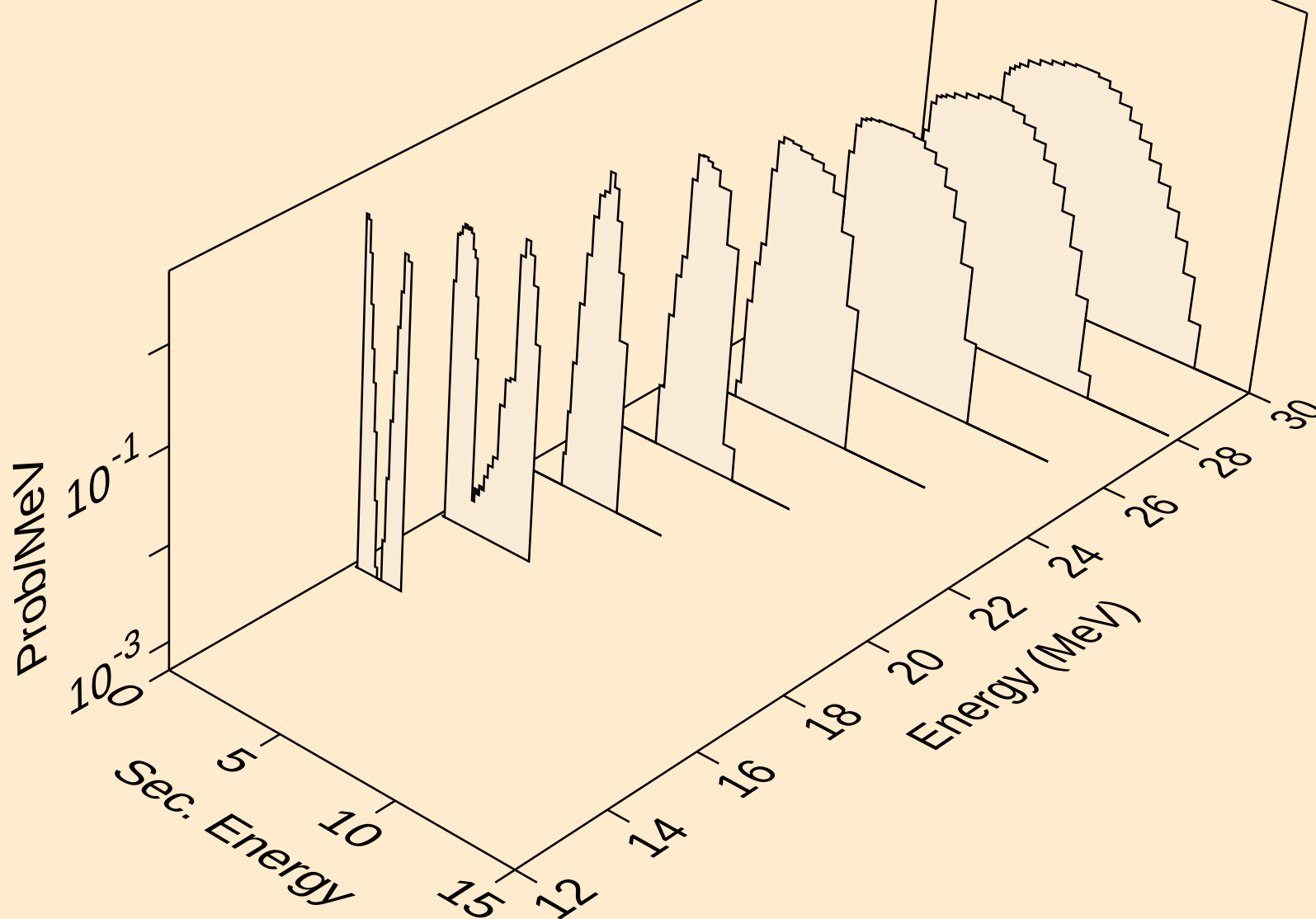
Proton emission for  $(p,n^*)p$



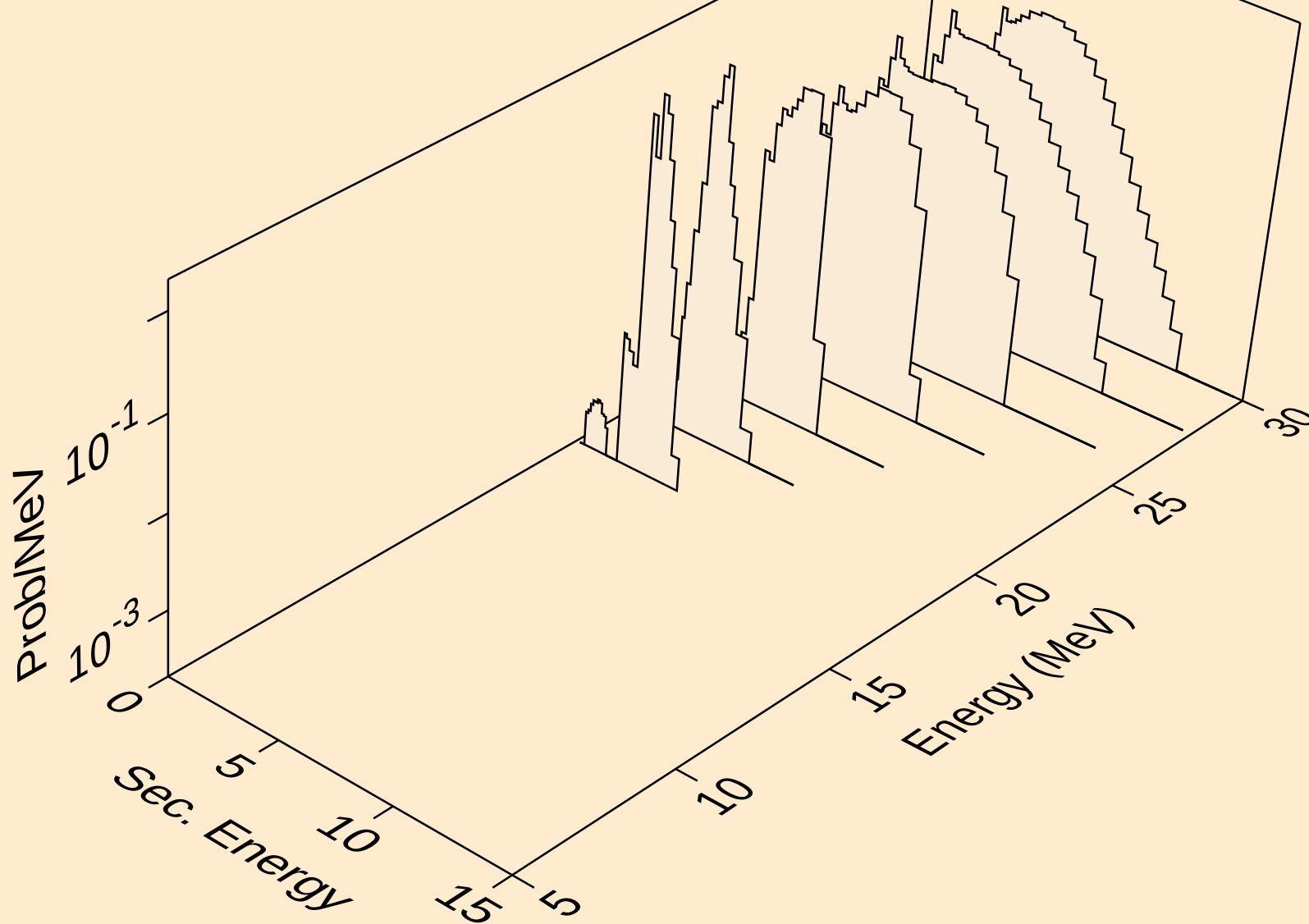
ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,2np)



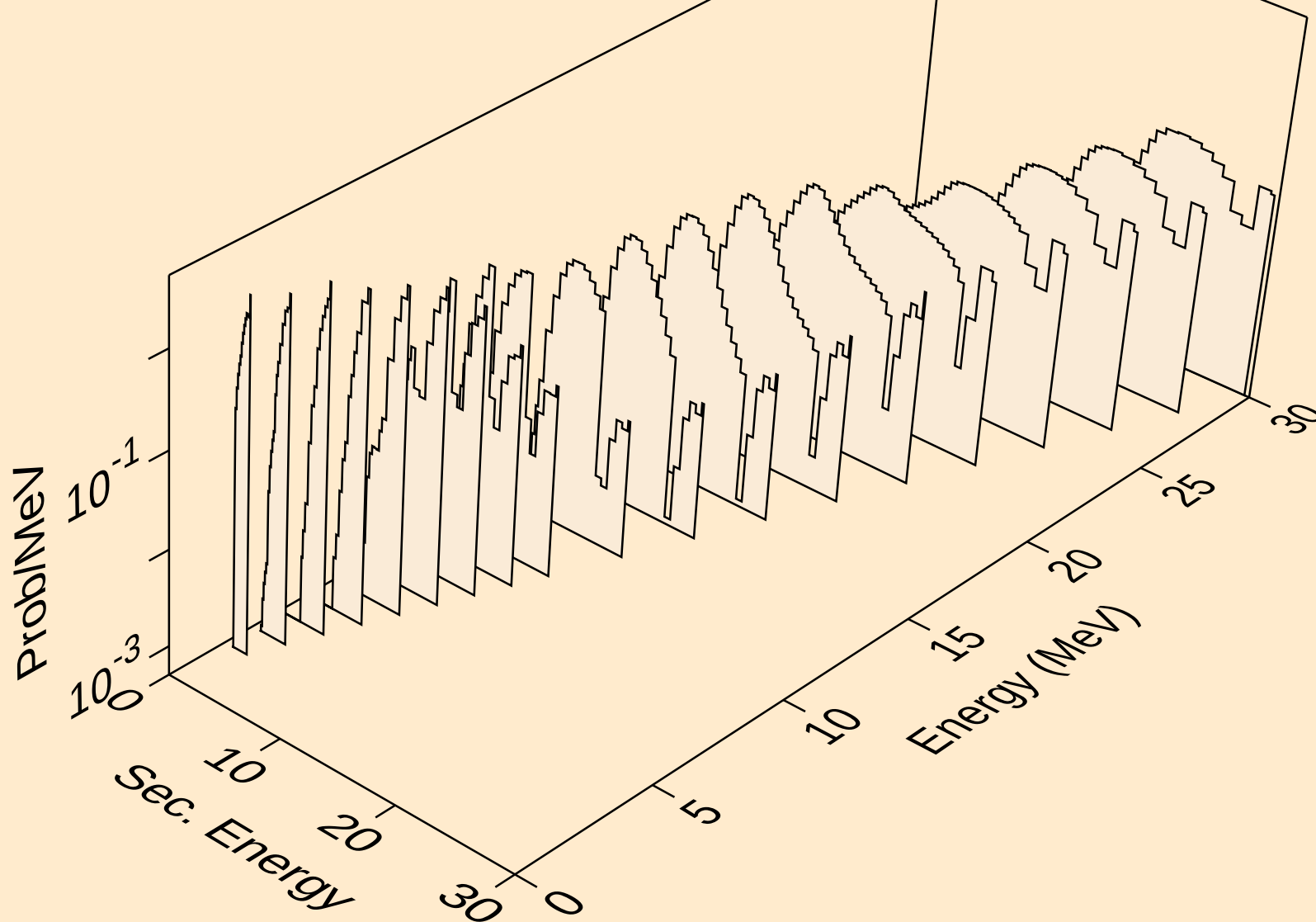
ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,n2p)



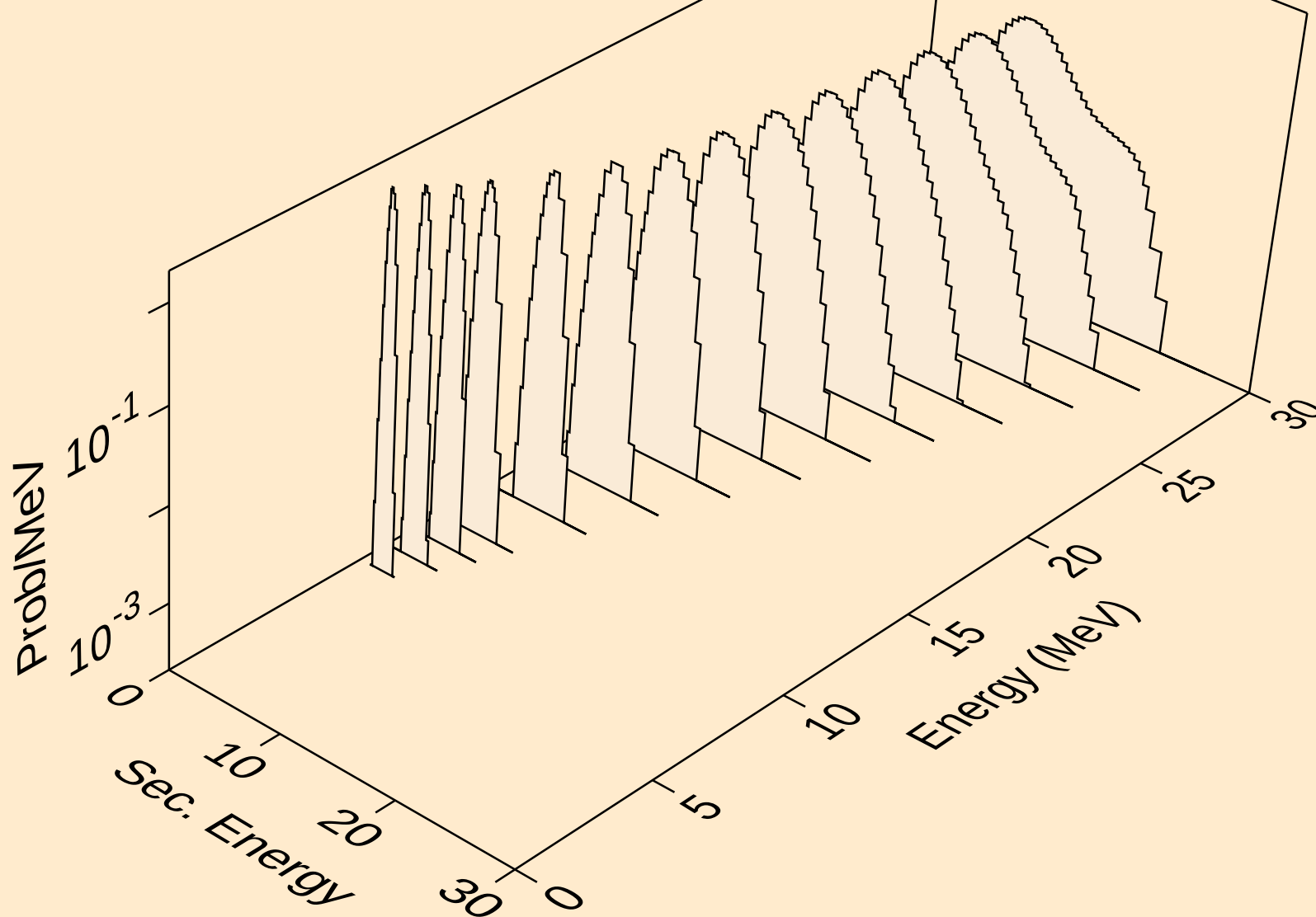
ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,npa)



ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for inelastic

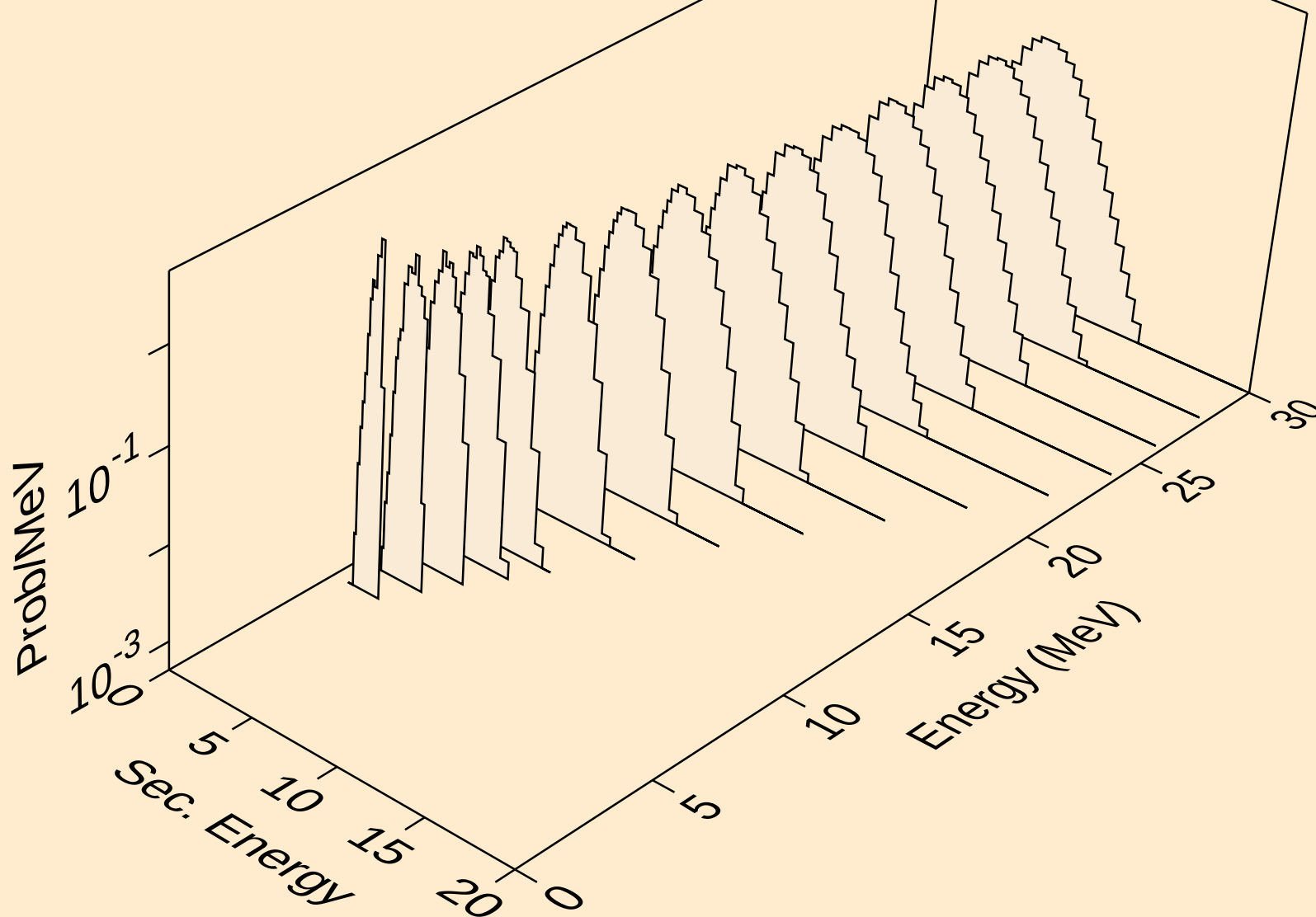


ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,2p)



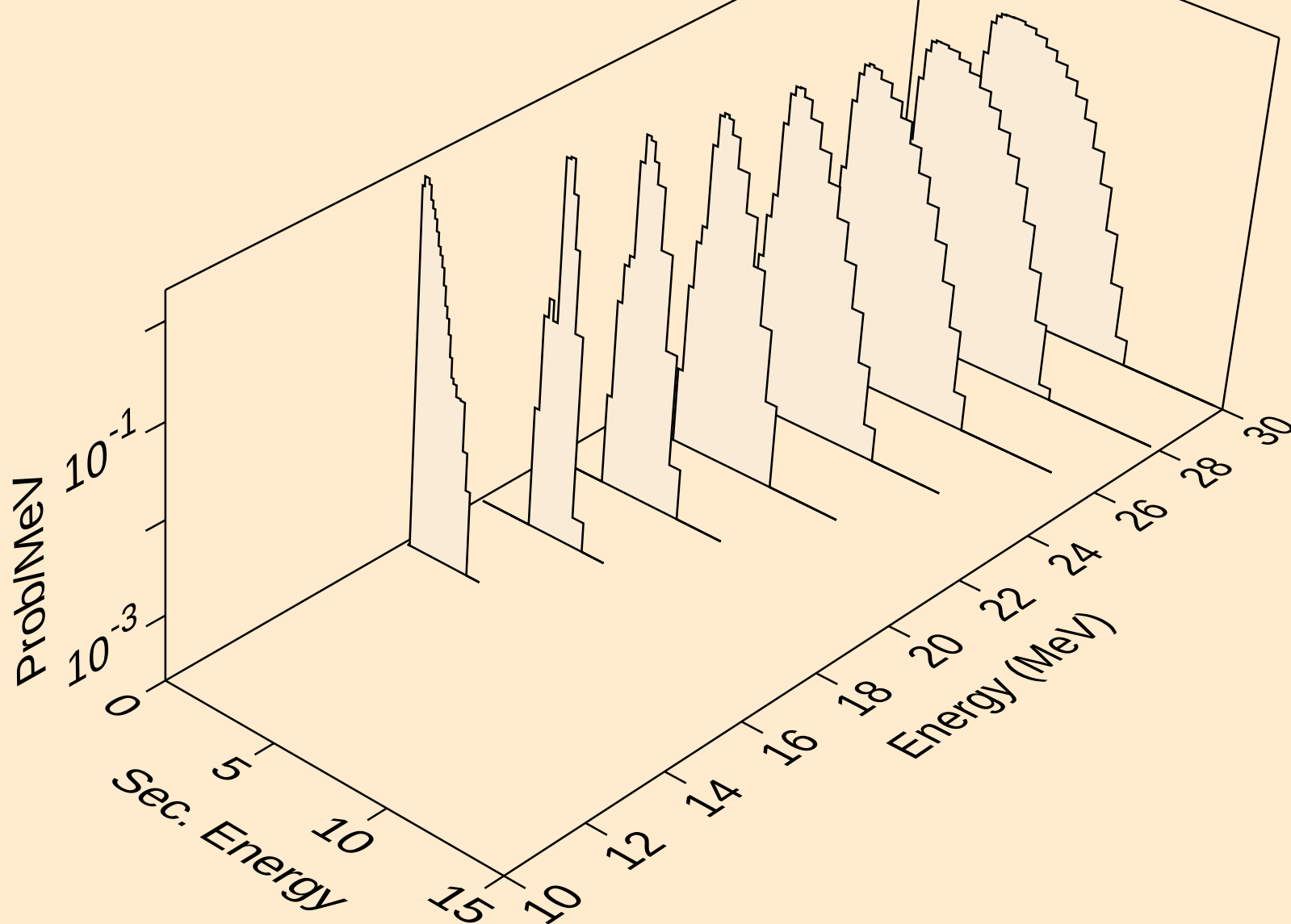


ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,pa)



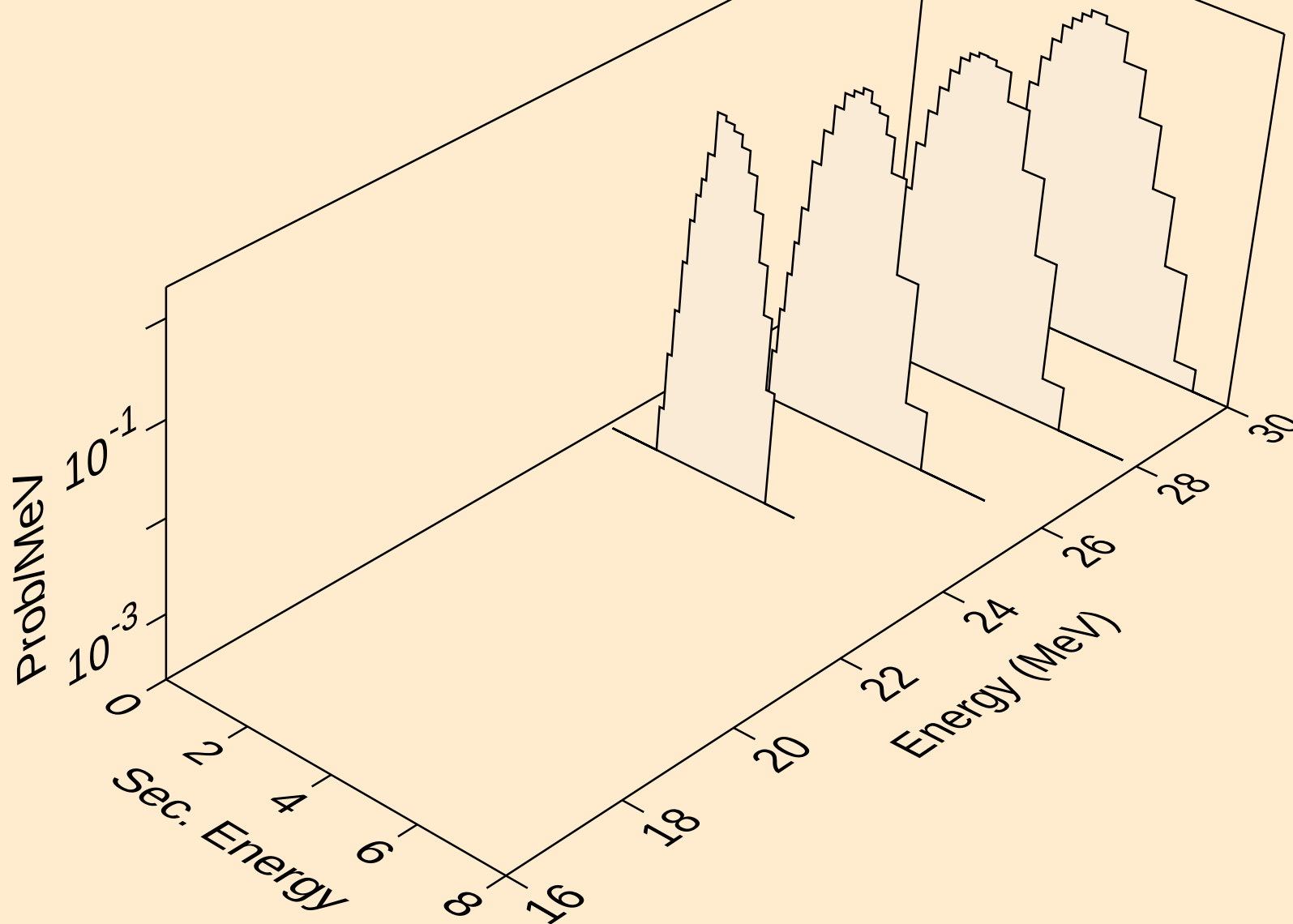
ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Proton emission for (p,pd)

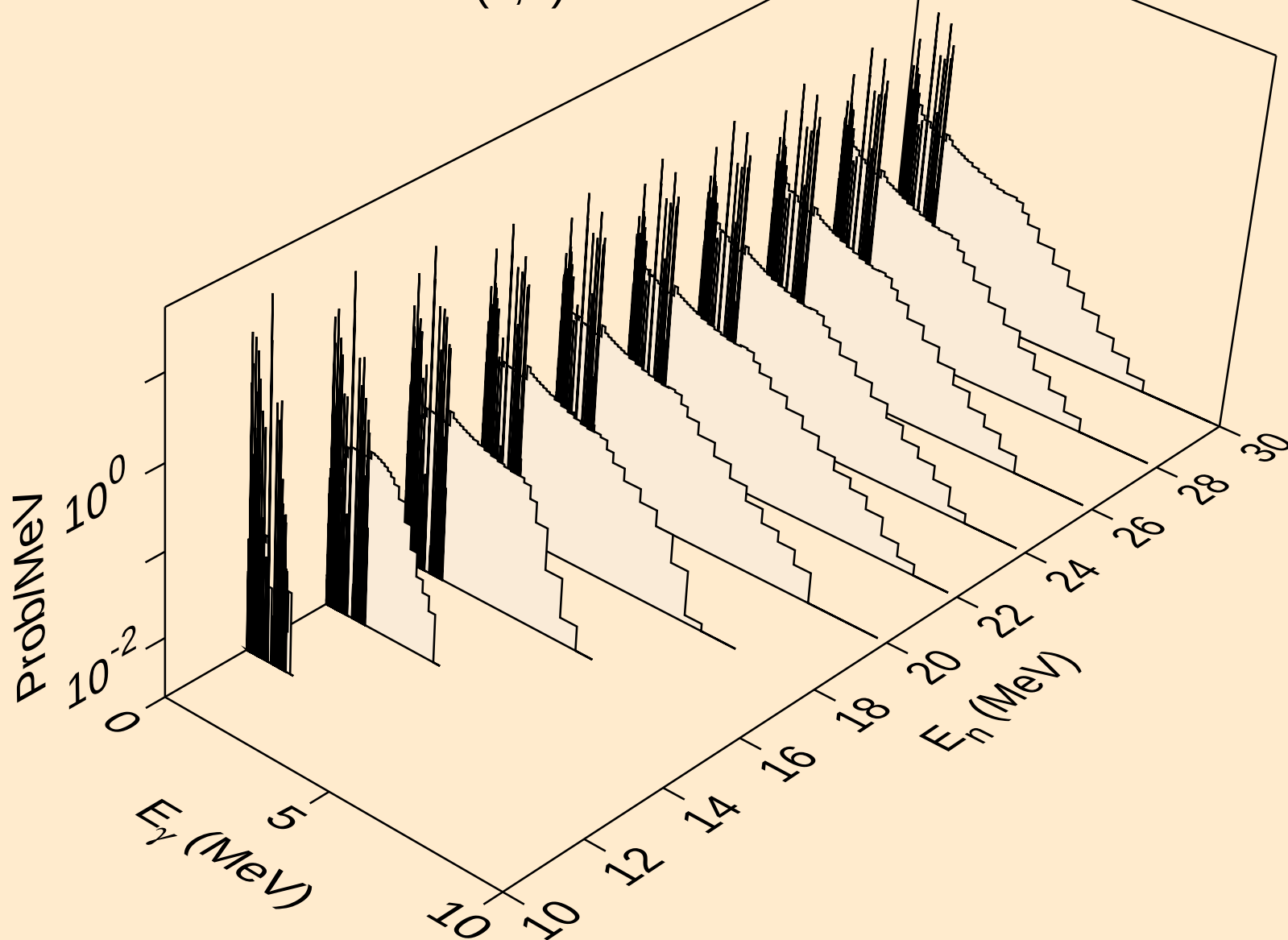


ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Proton emission for (p,pt)

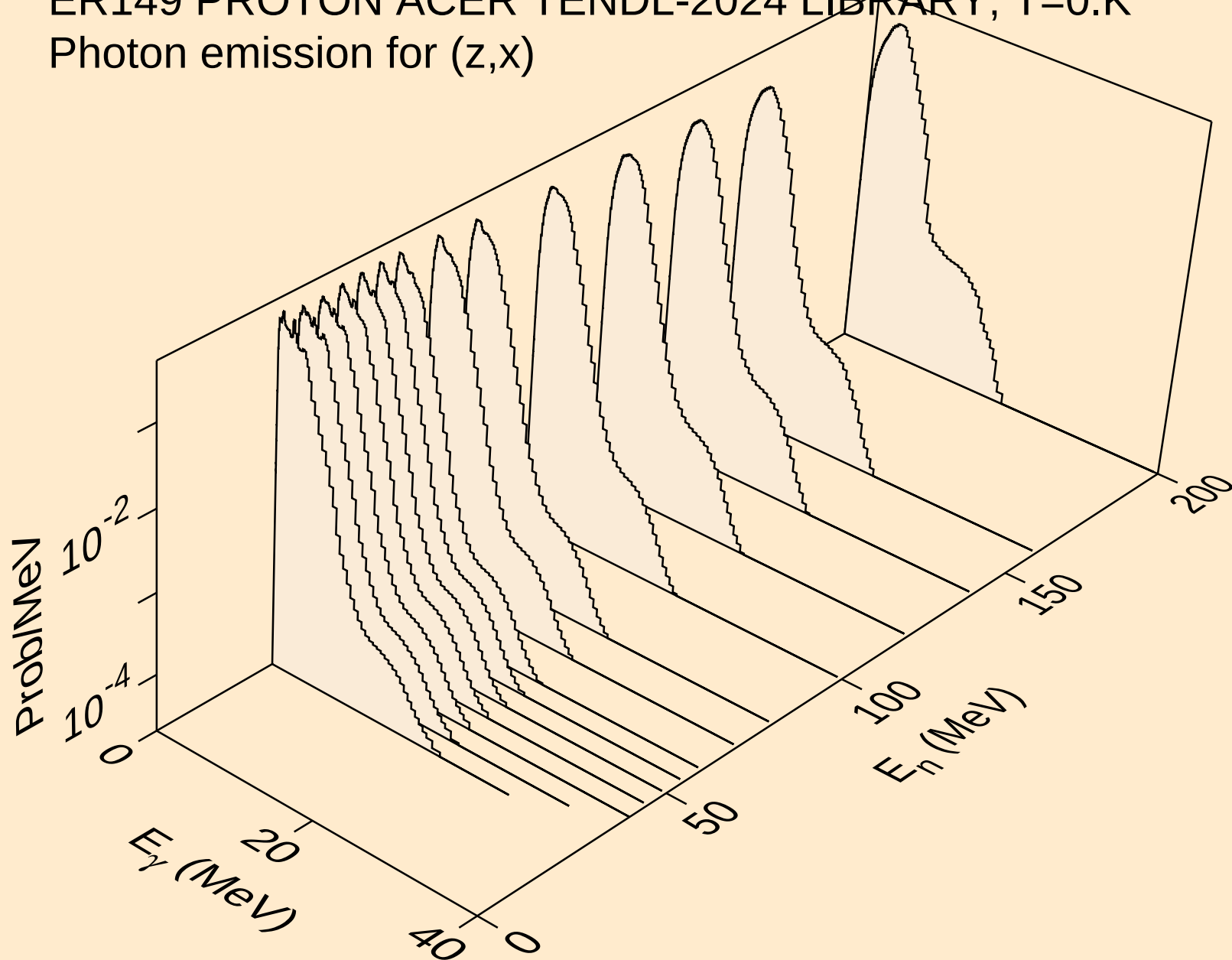


ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,n)

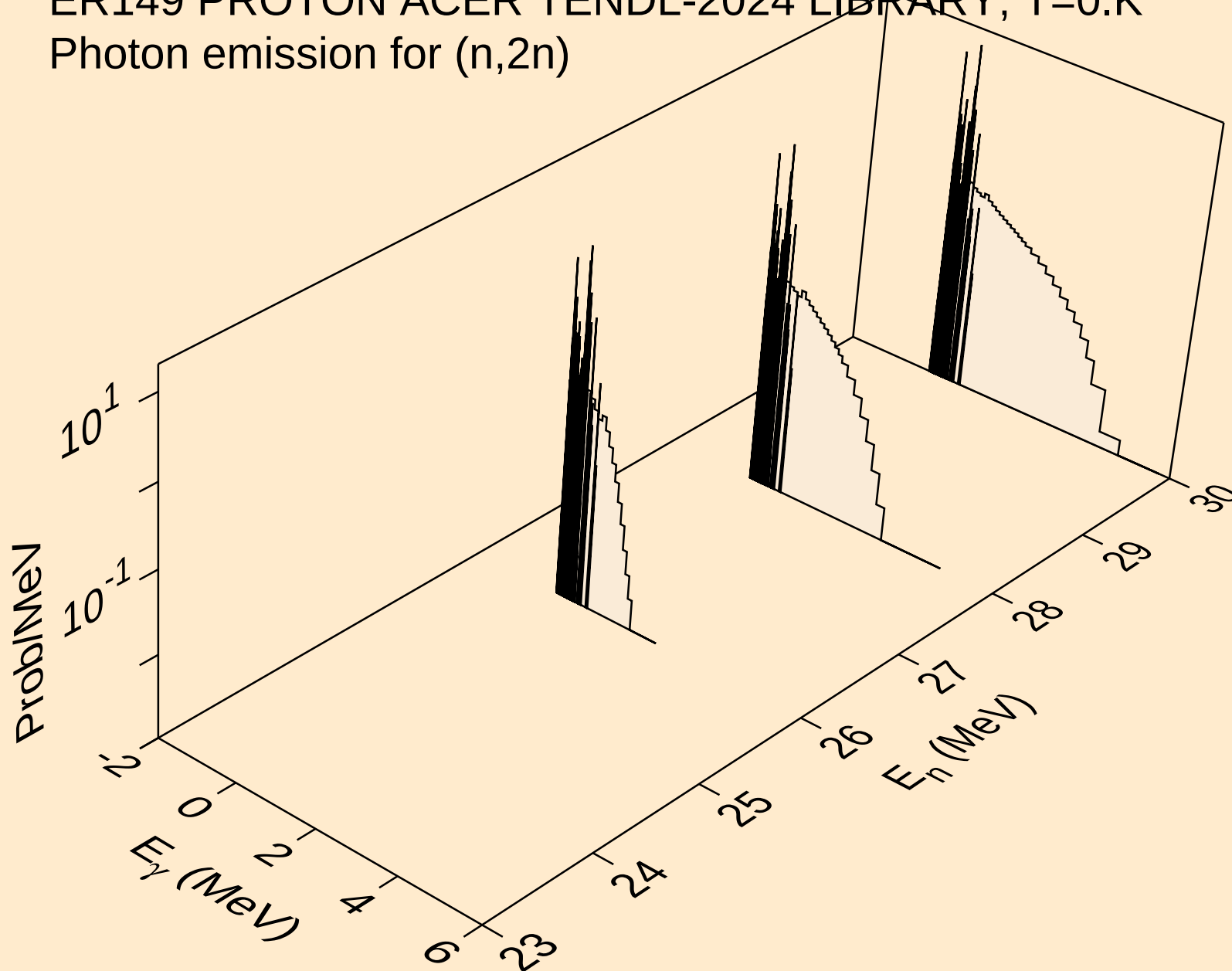


ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (z,x)

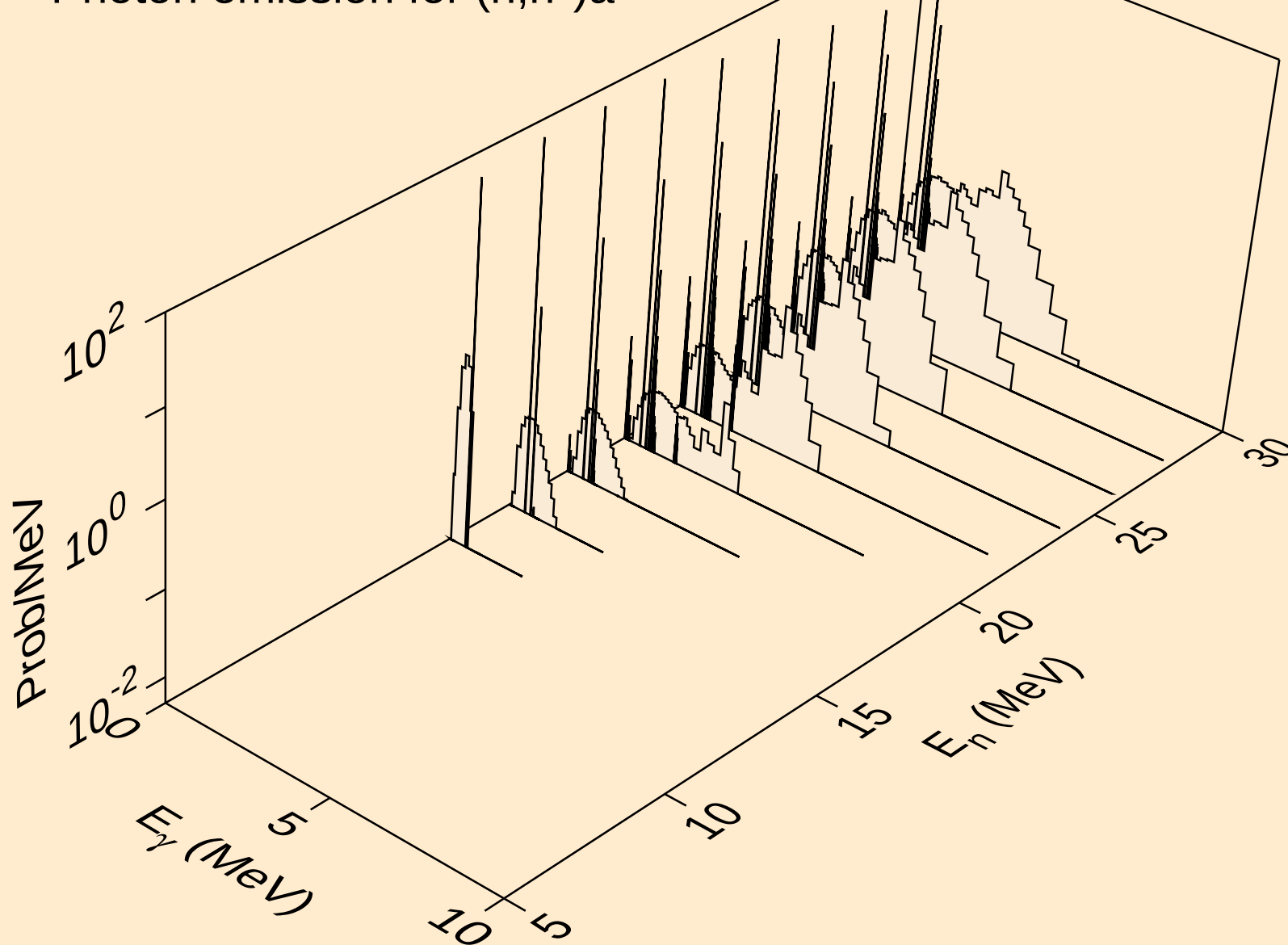


ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



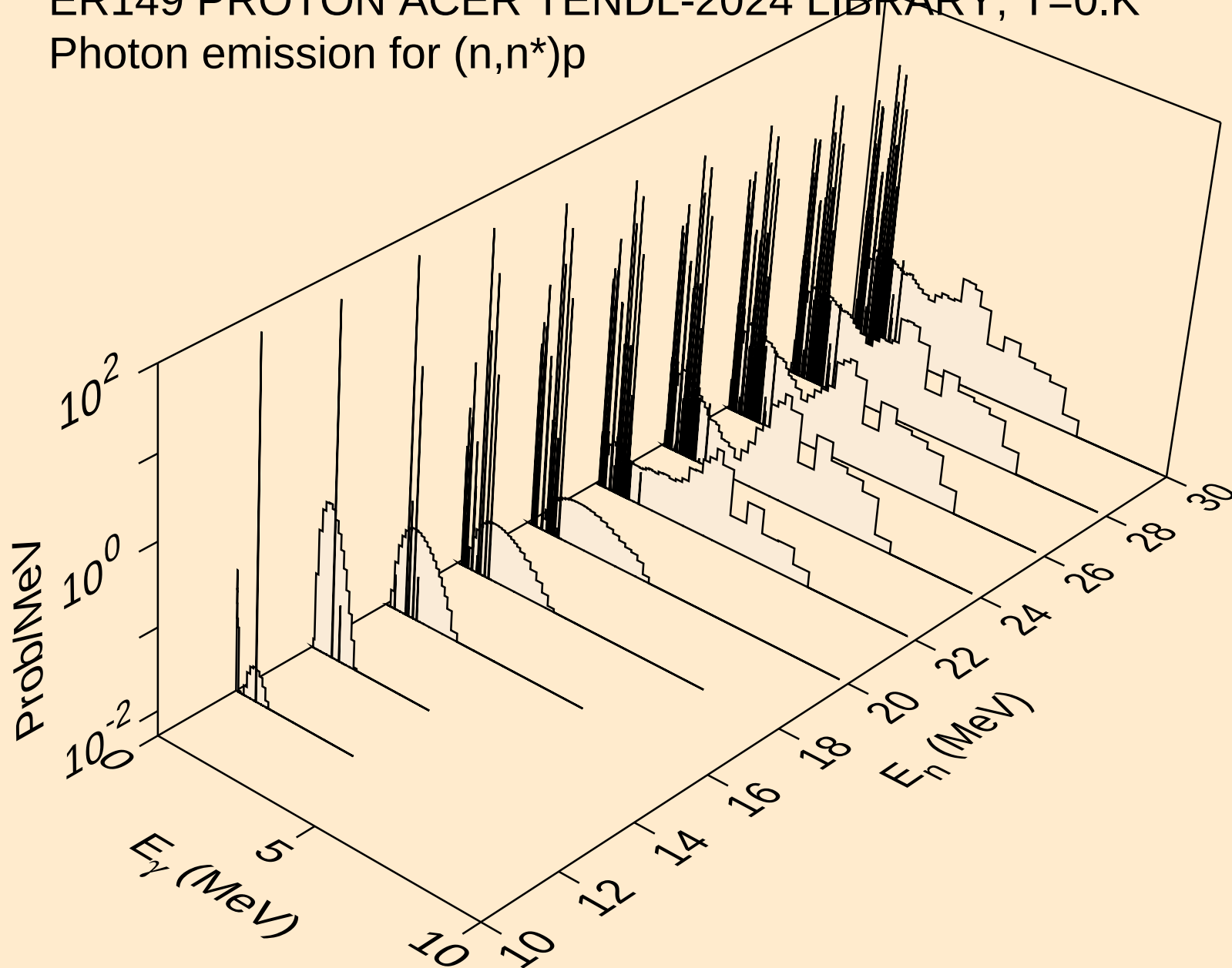
ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)a



ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K

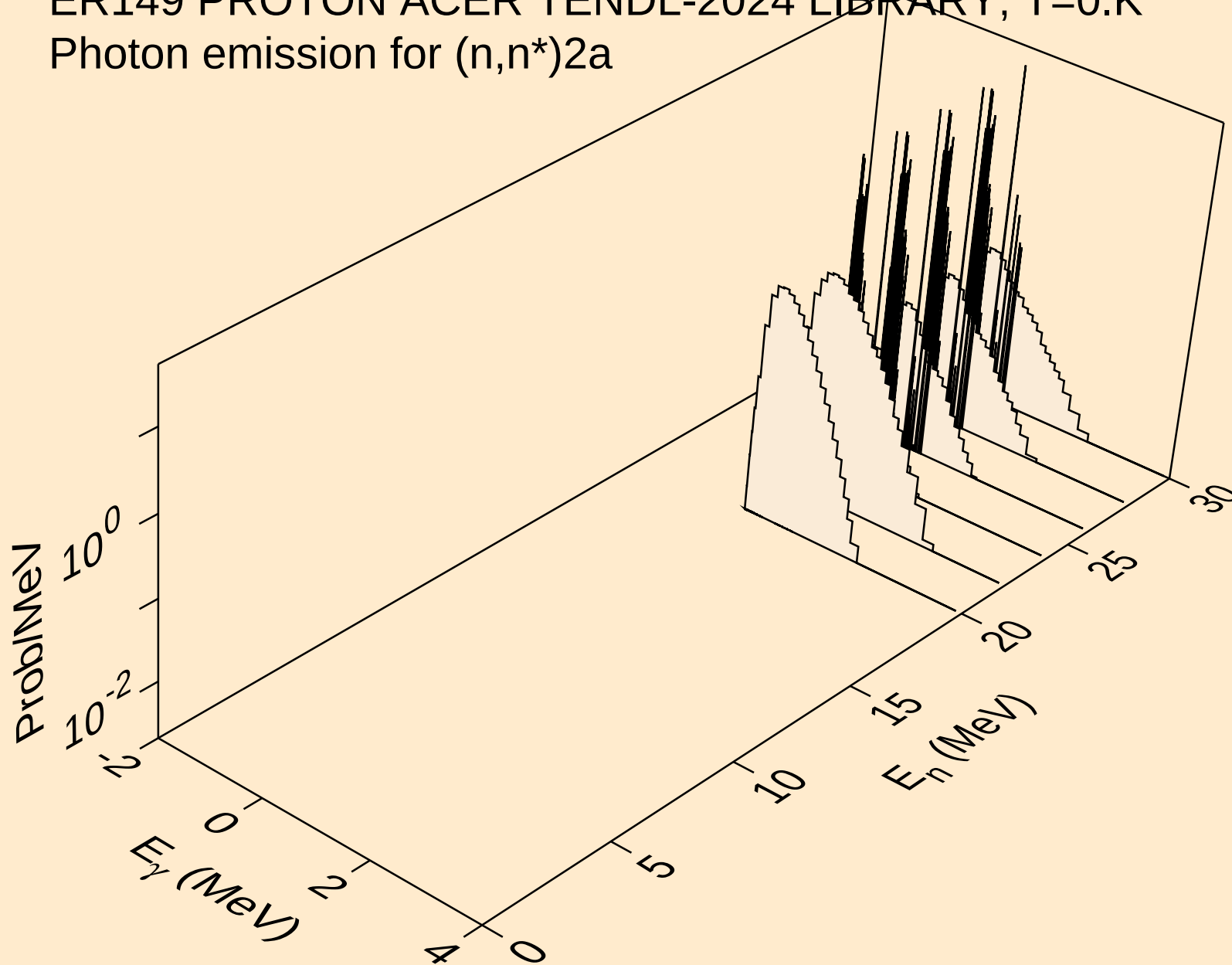
Photon emission for (n,n\*)p





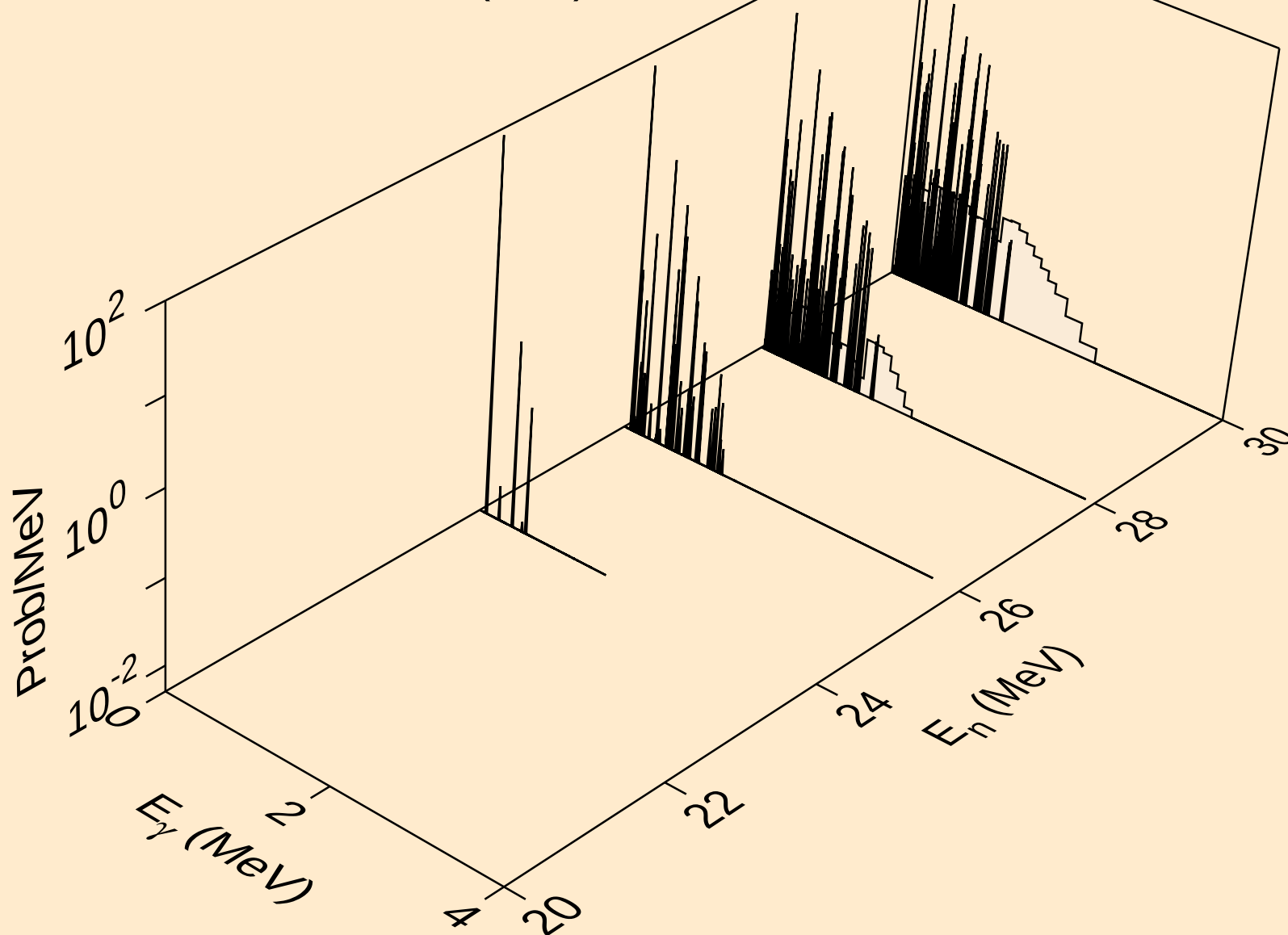
ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K

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

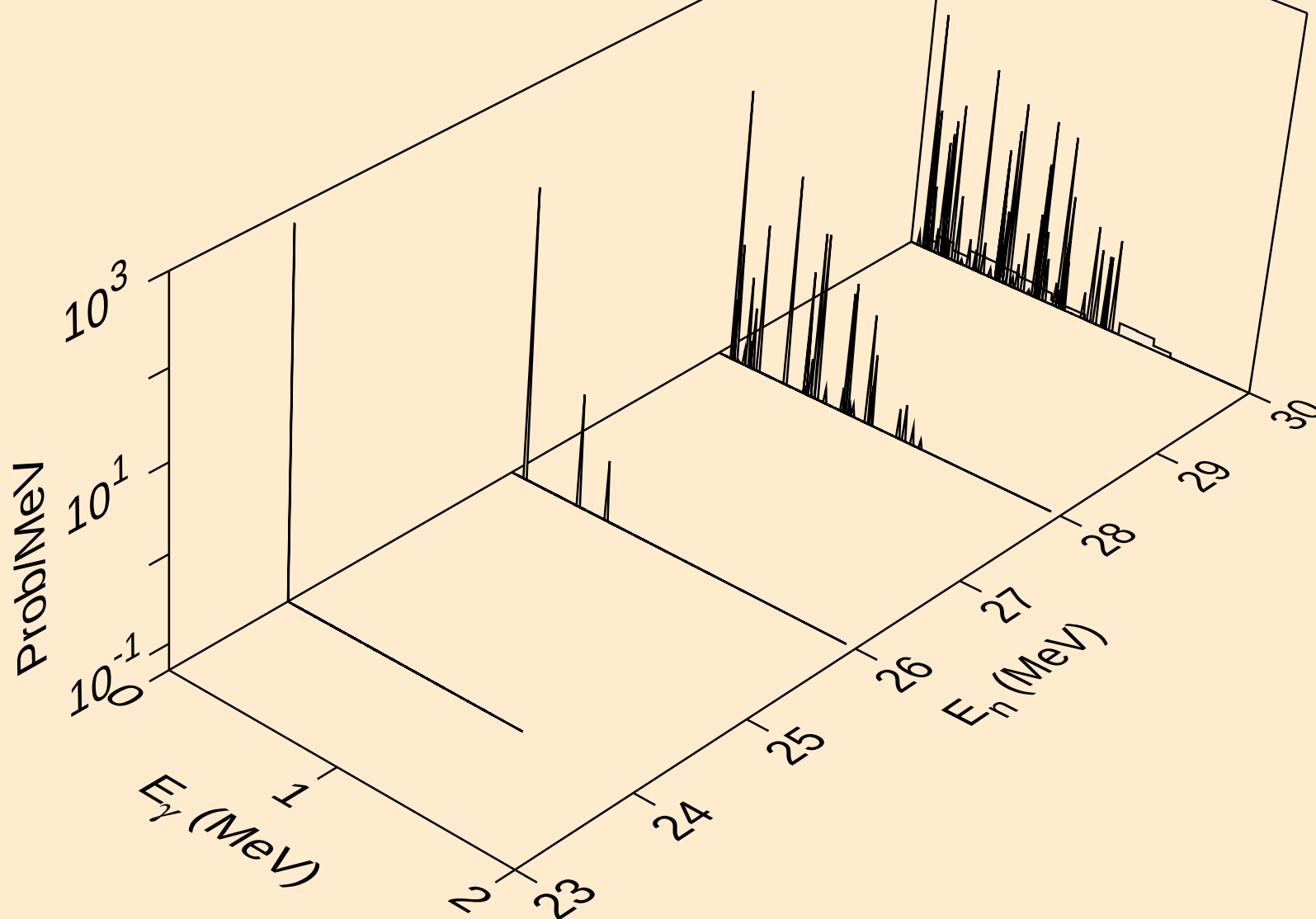


ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K

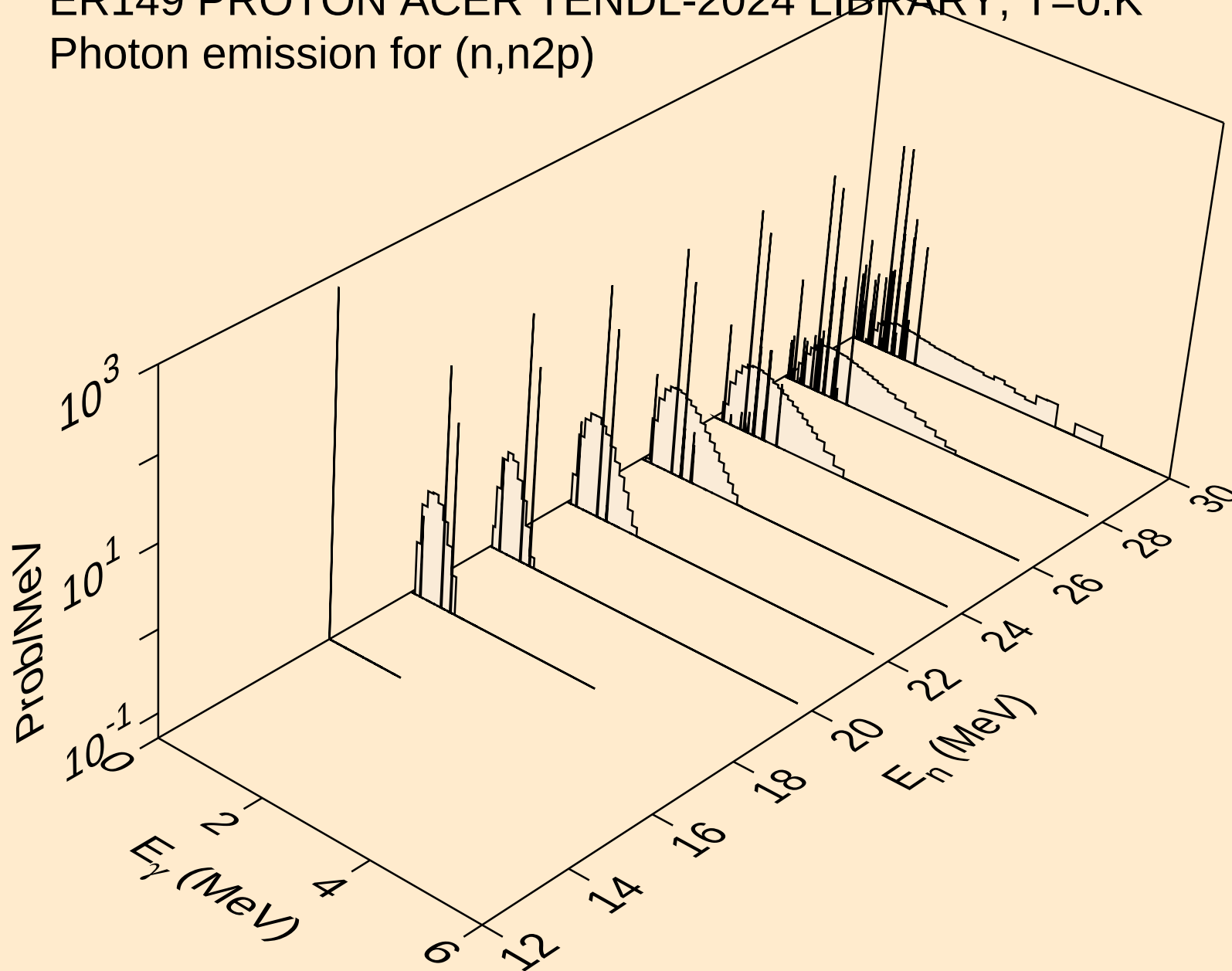
Photon emission for (n,n\*)d



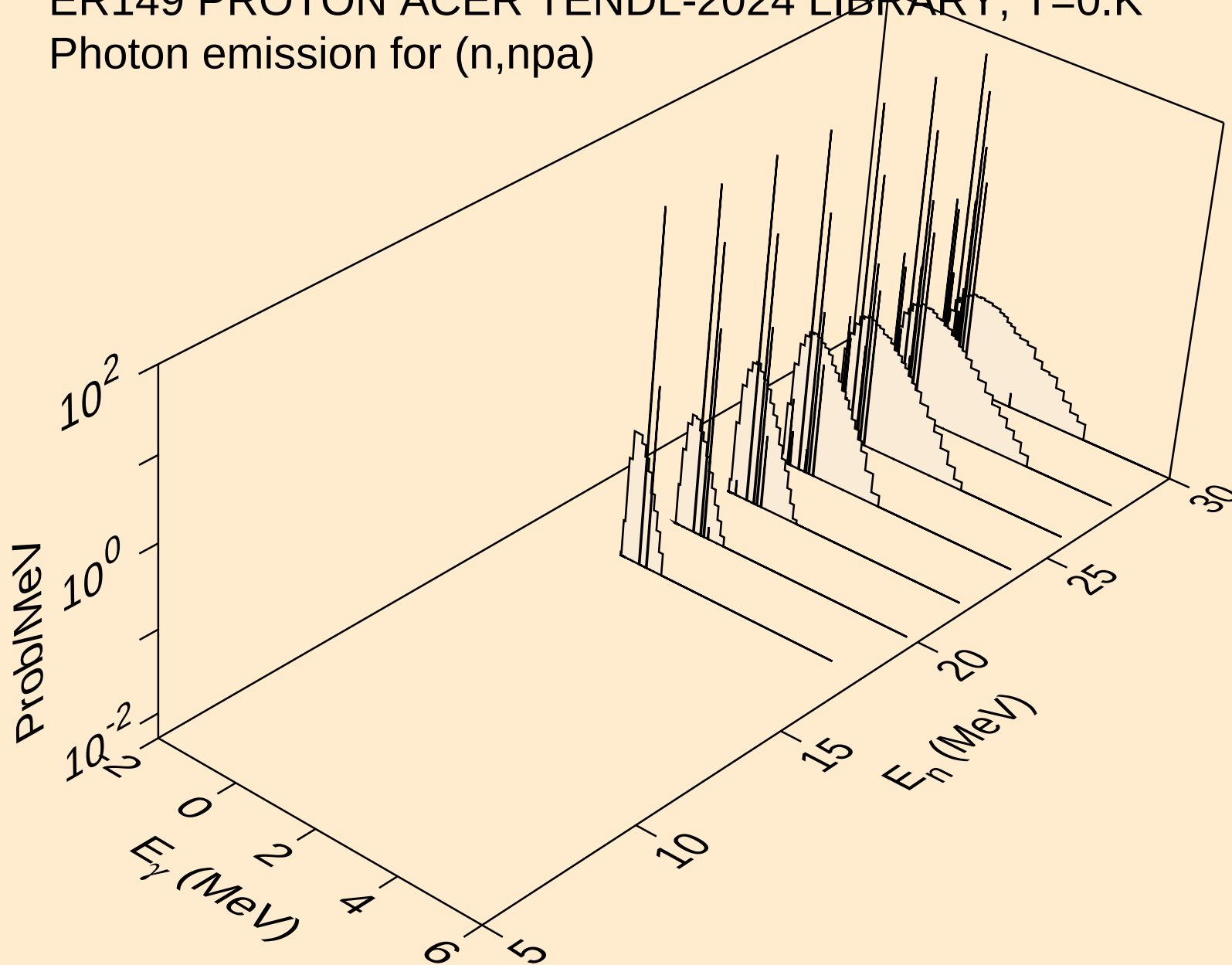
ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



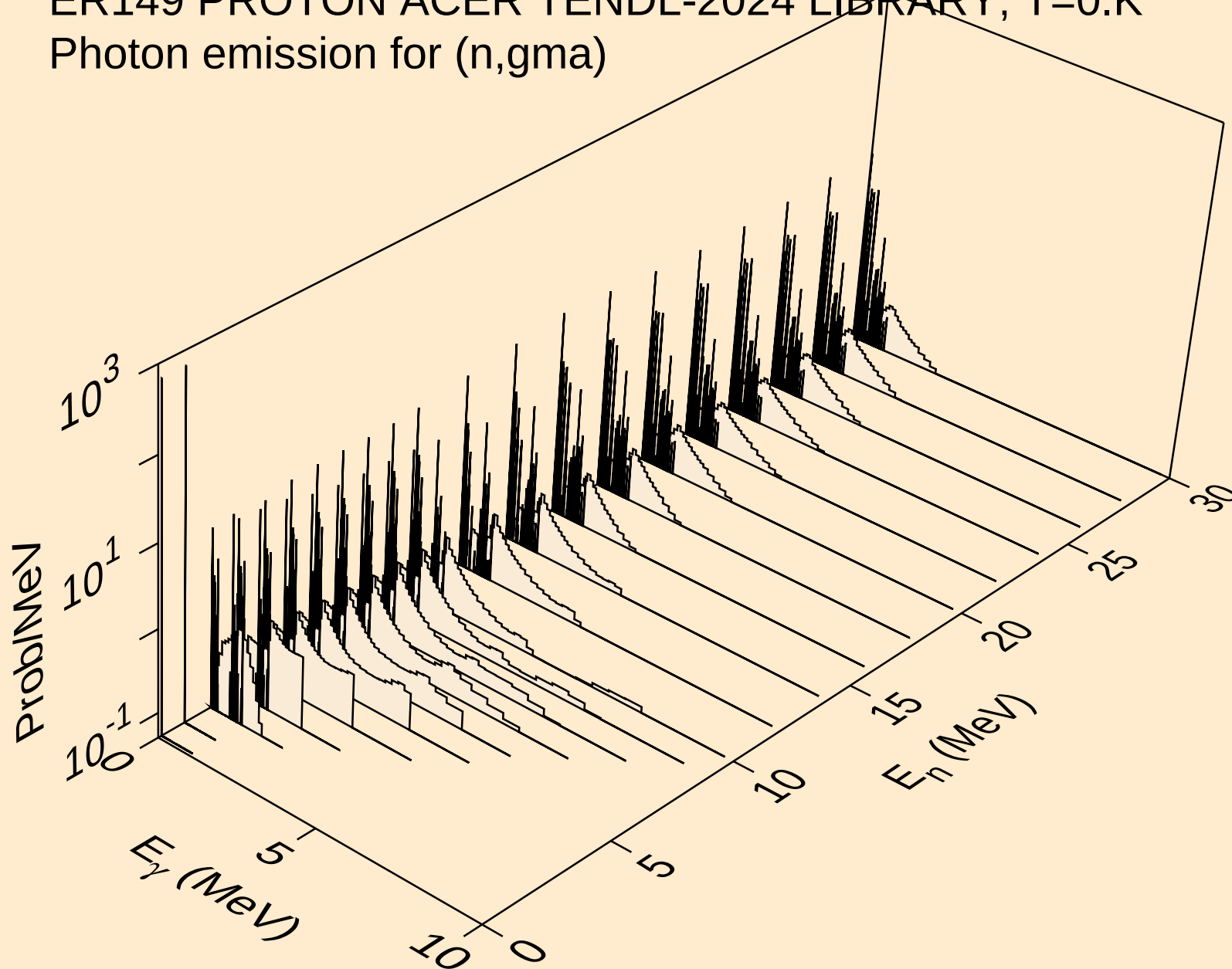
ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



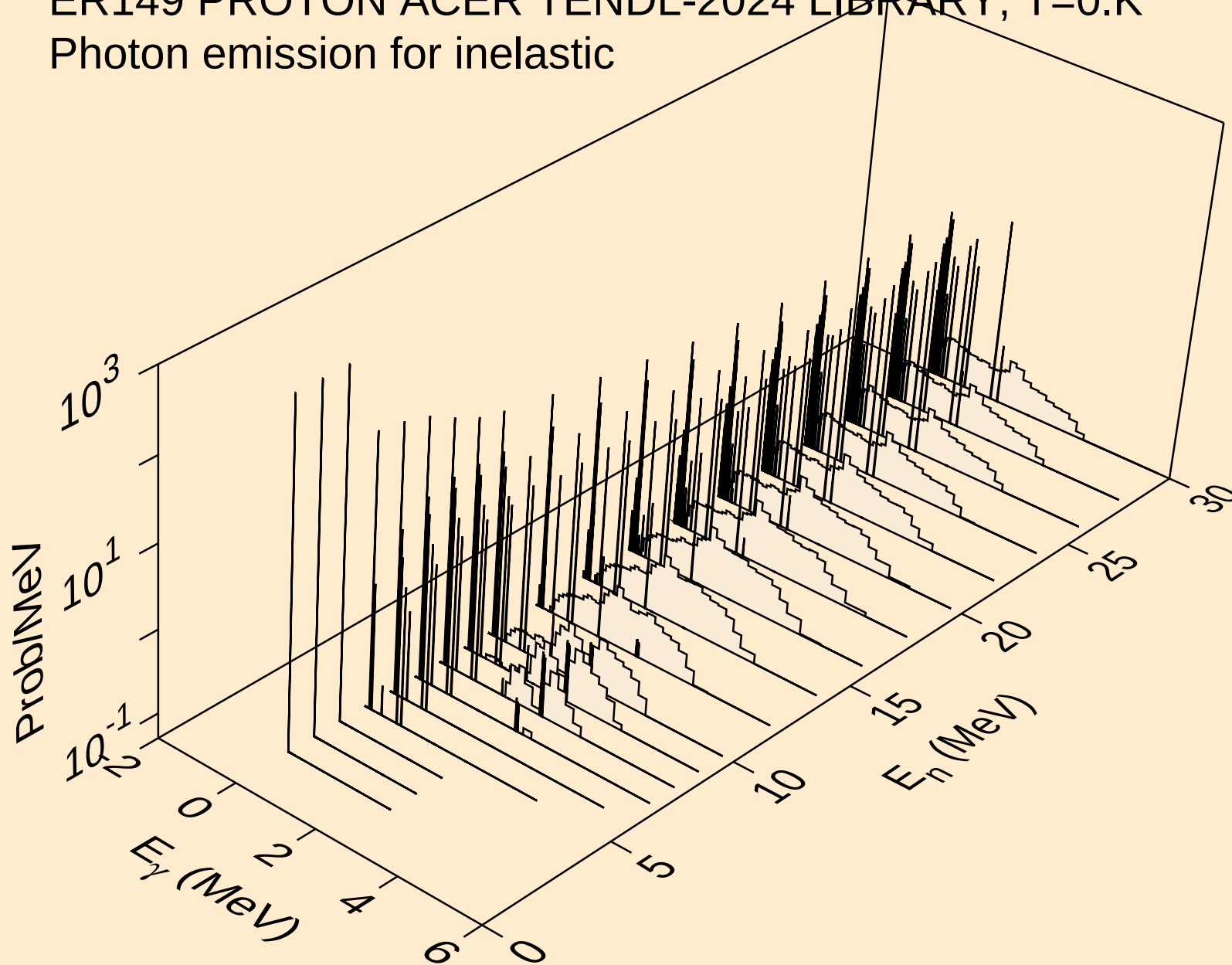
ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



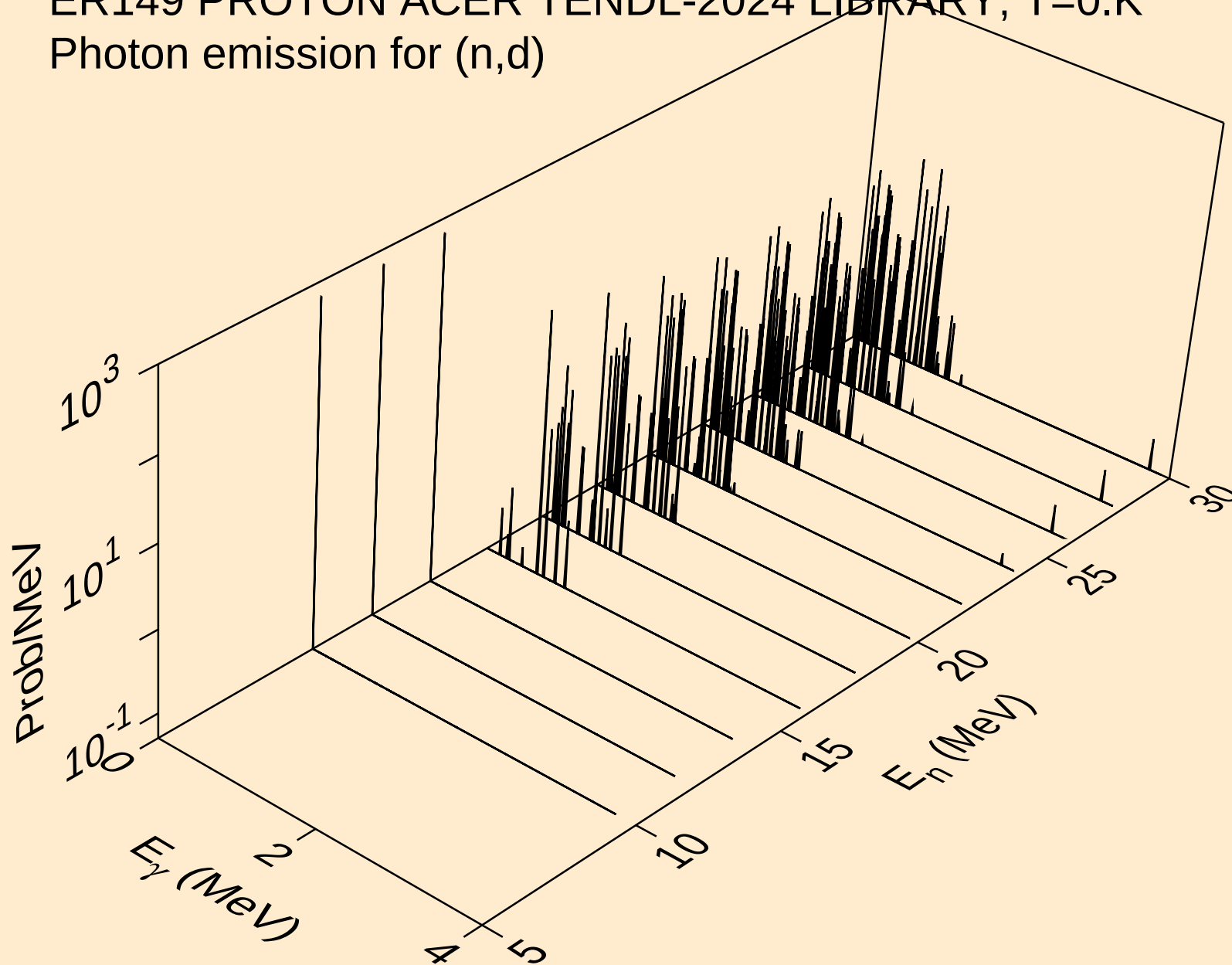
ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for inelastic

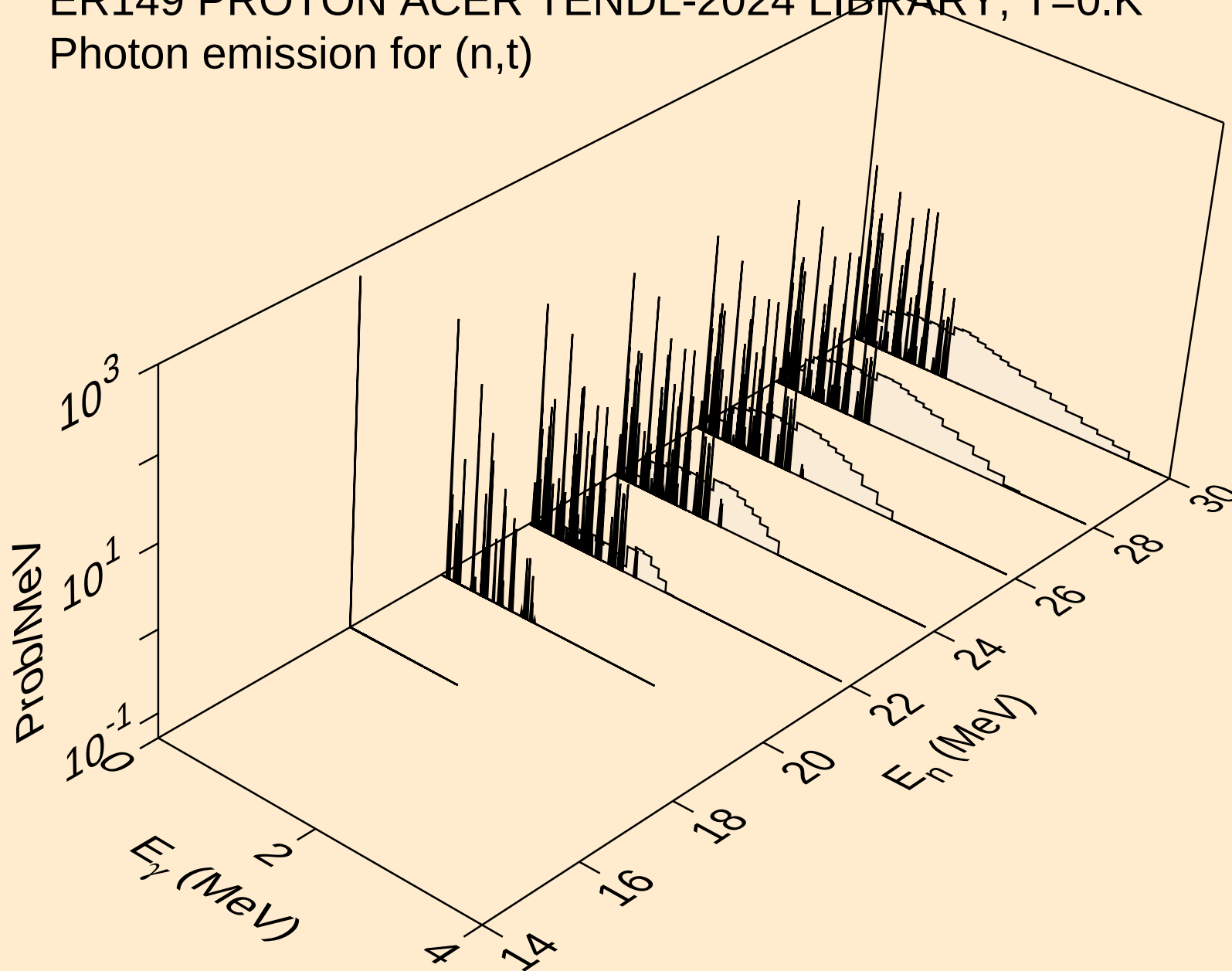


ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)

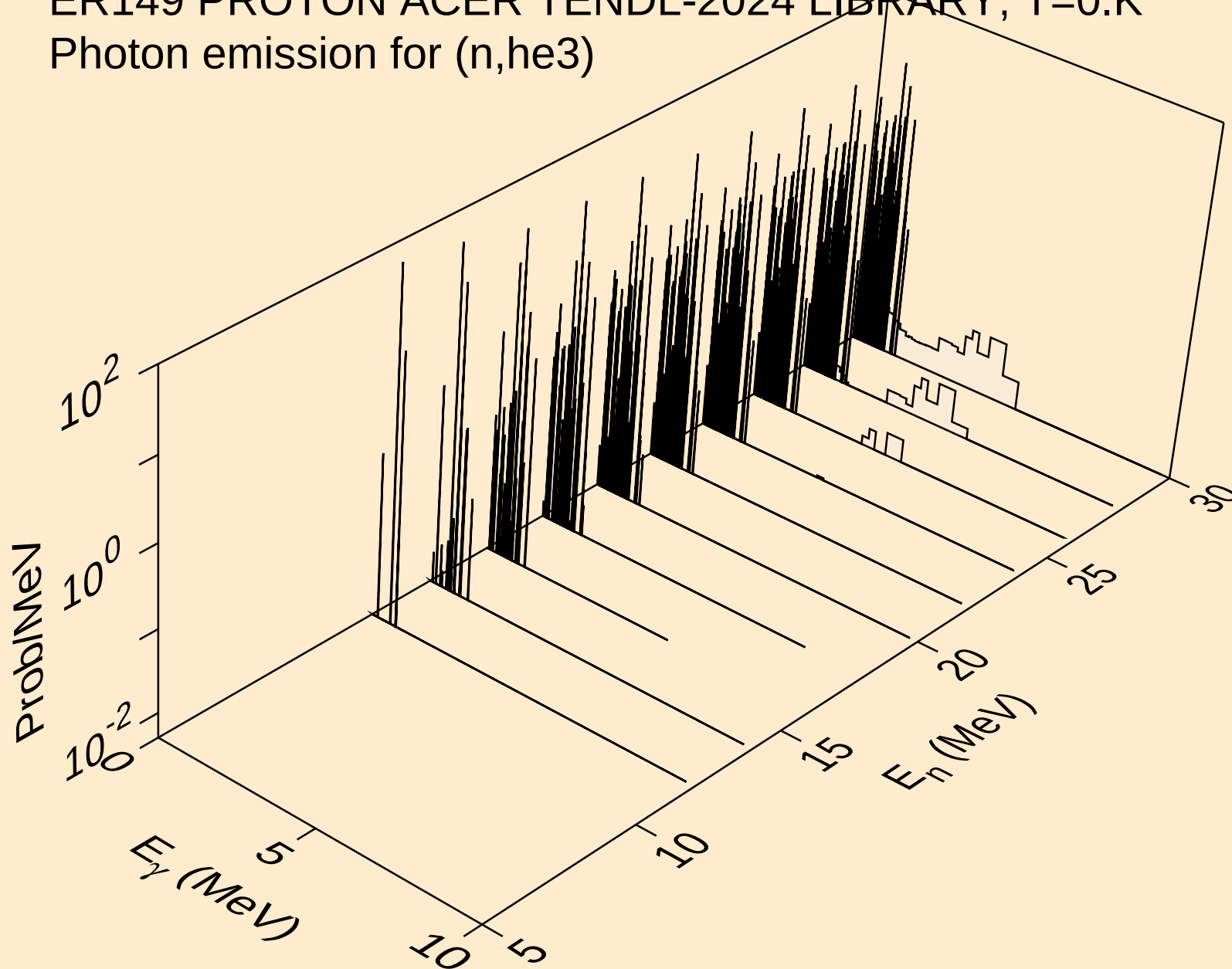




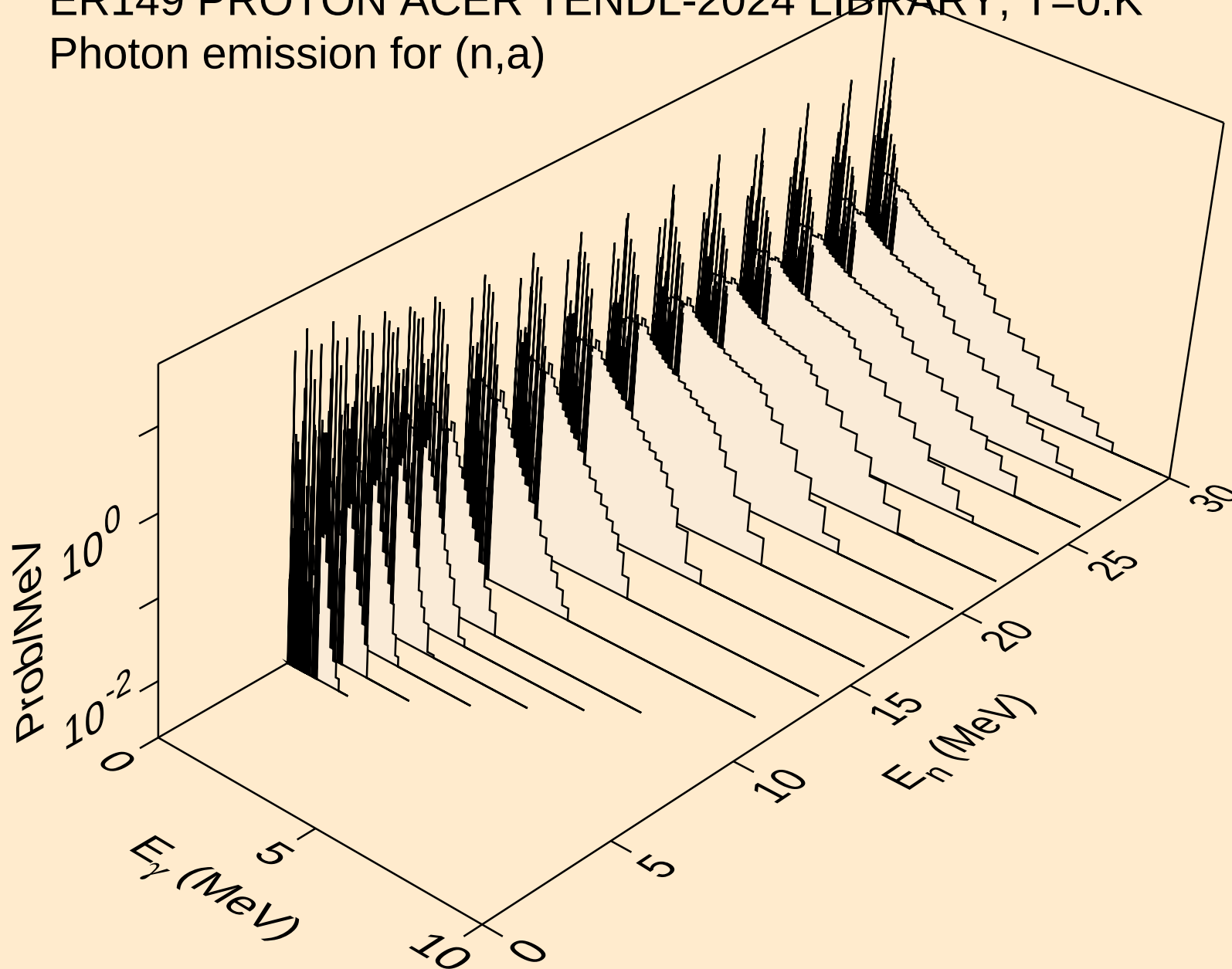
ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



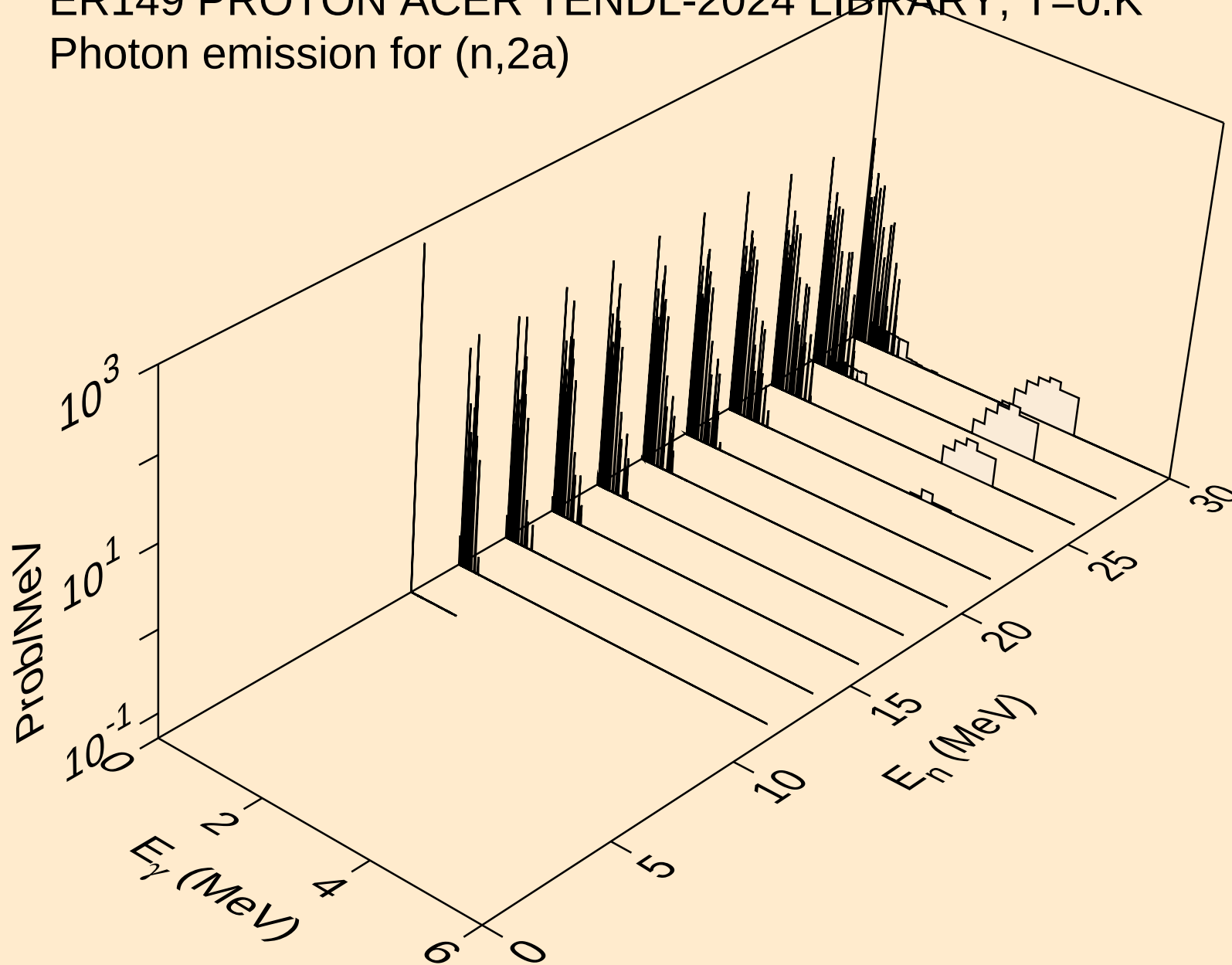
ER149 PROTON ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (n,he3)



ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)

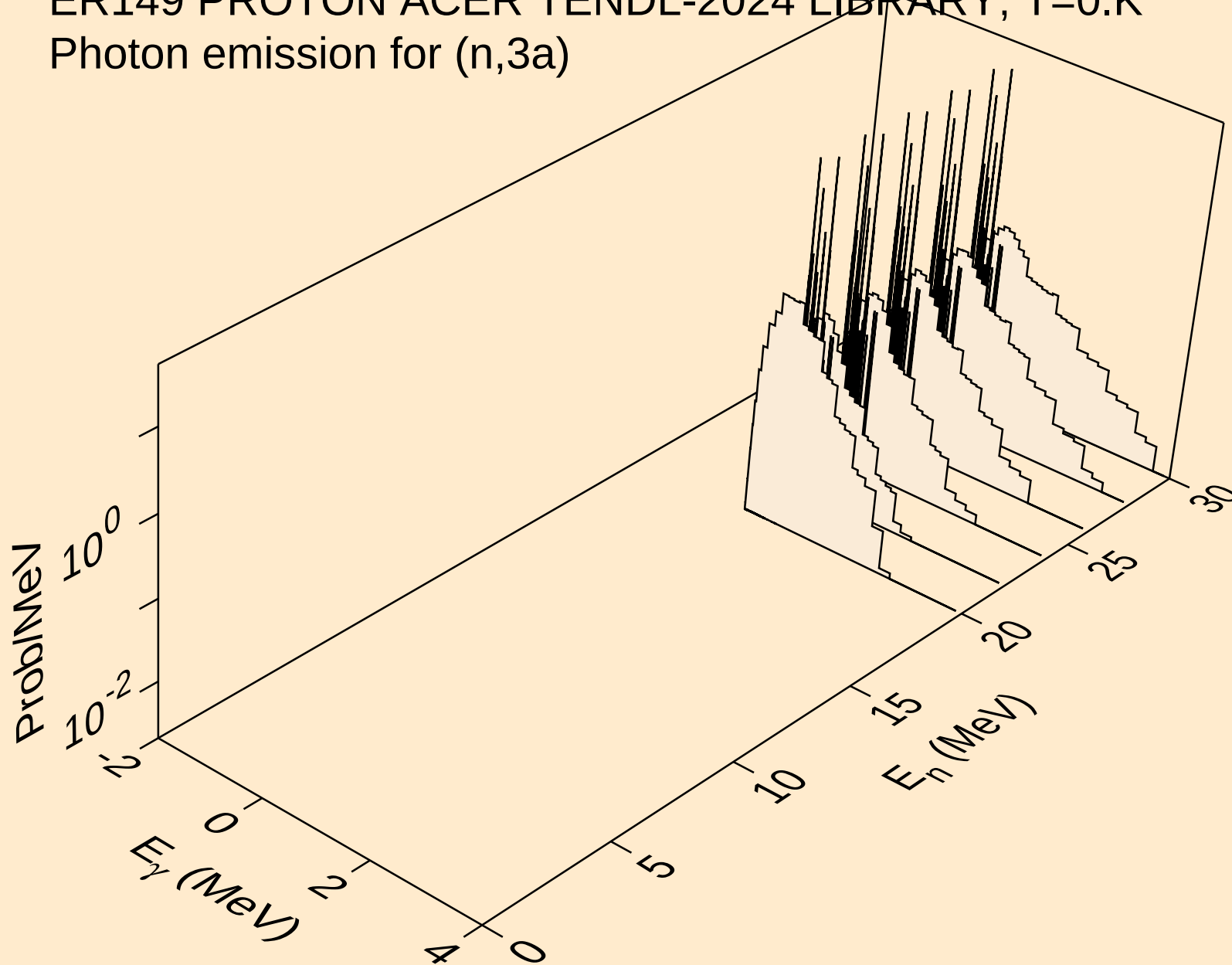


ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)

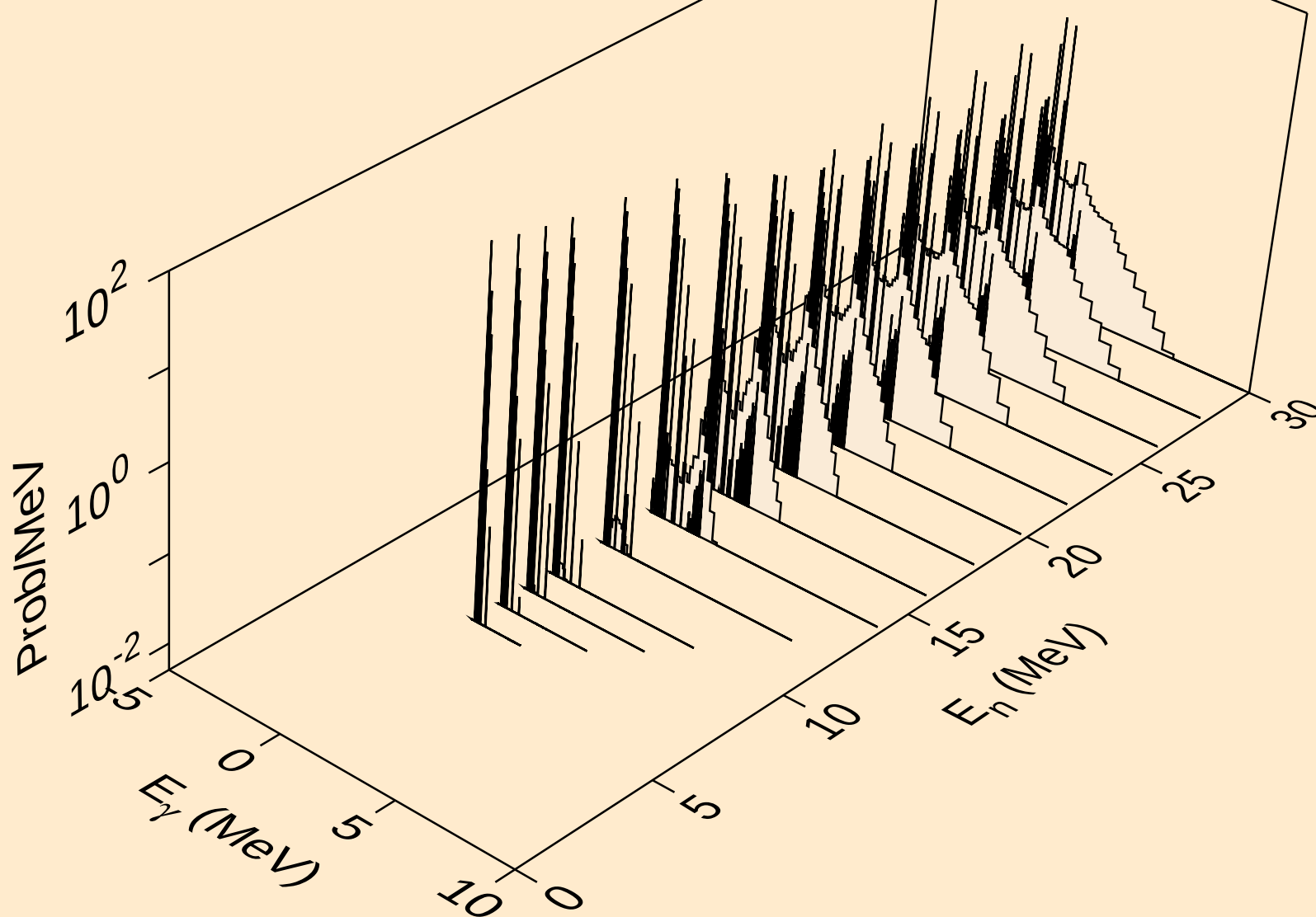


ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K

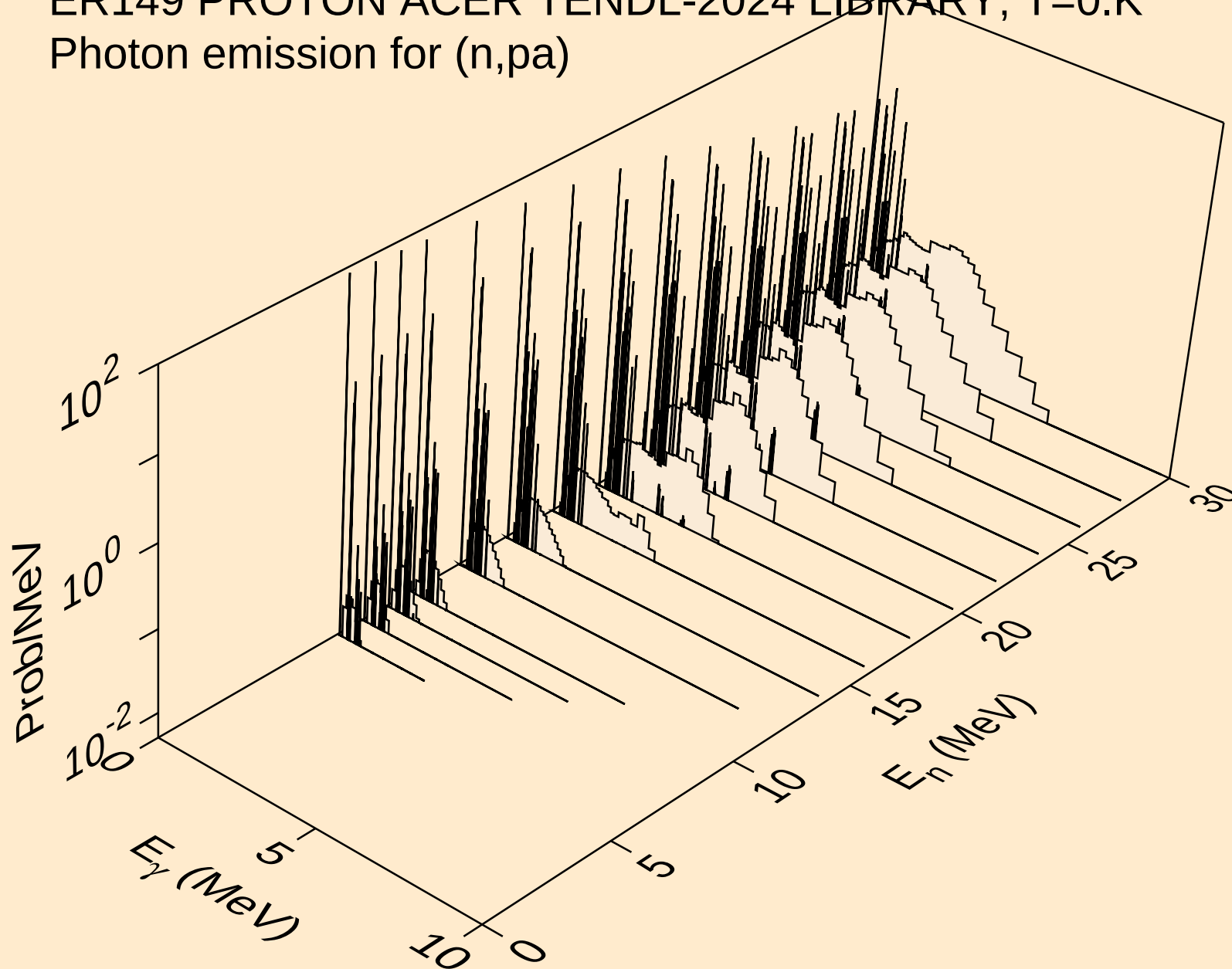
Photon emission for (n,3a)



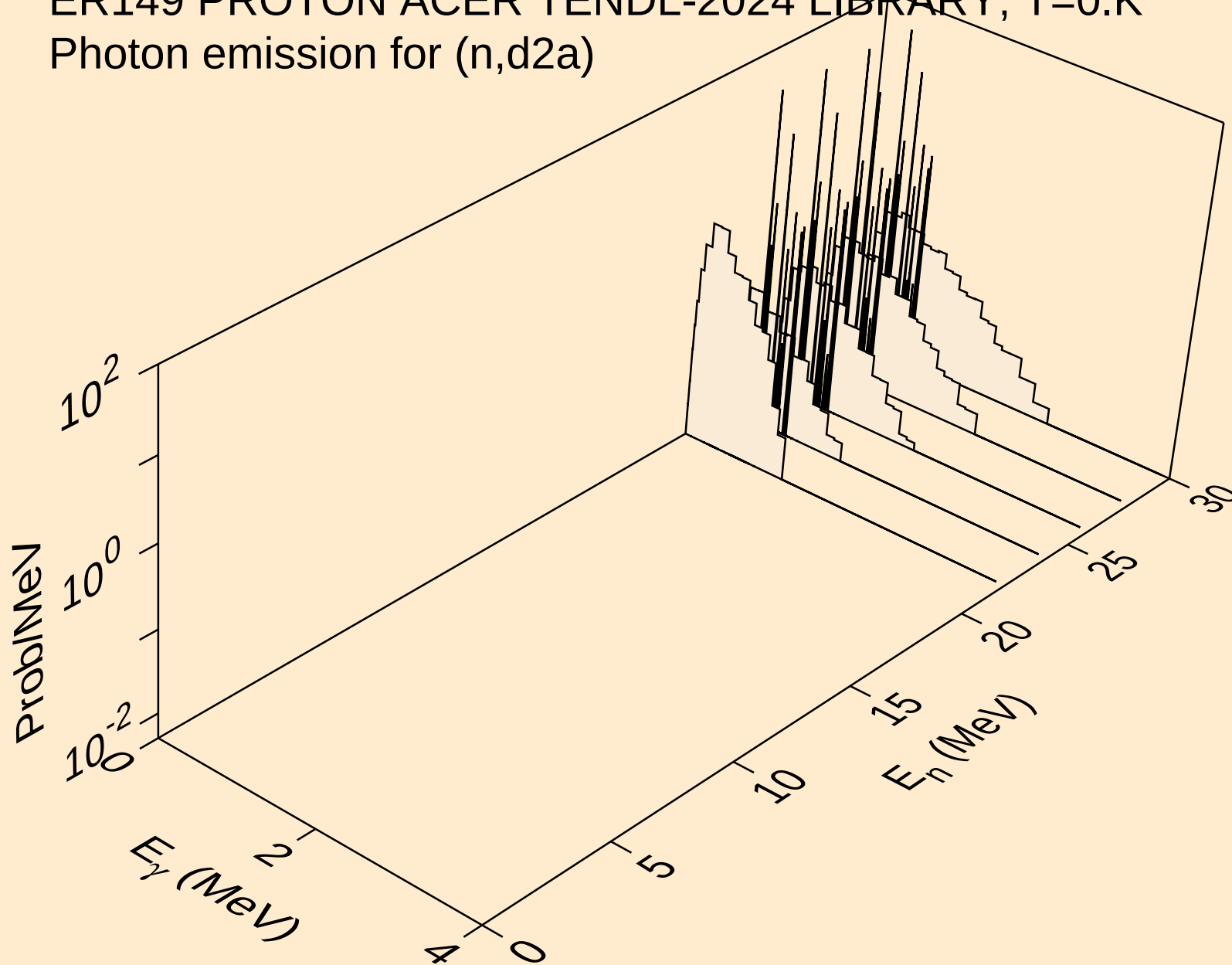
ER149 PROTON ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (n,2p)



ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



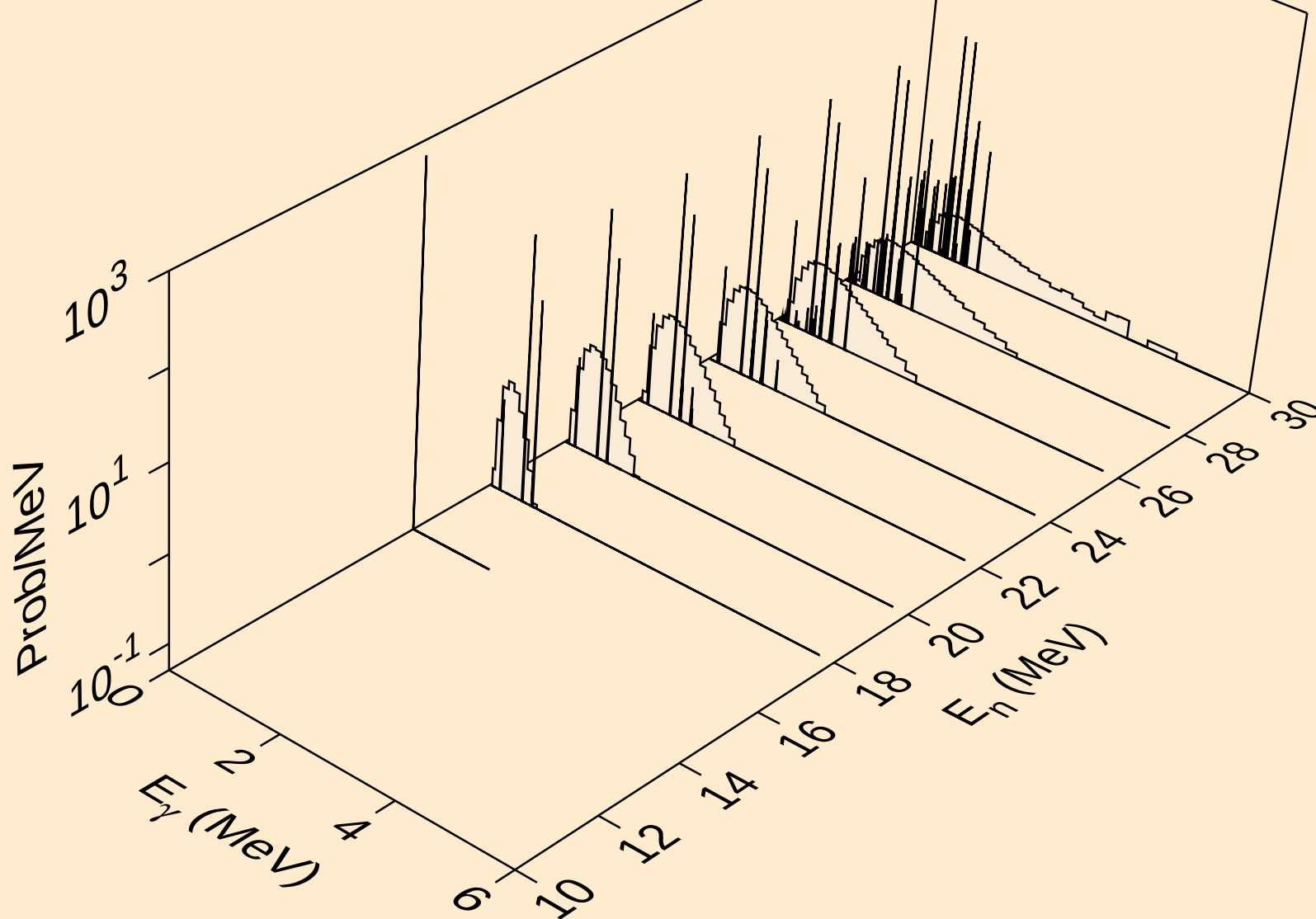
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Photon emission for (n,d2a)





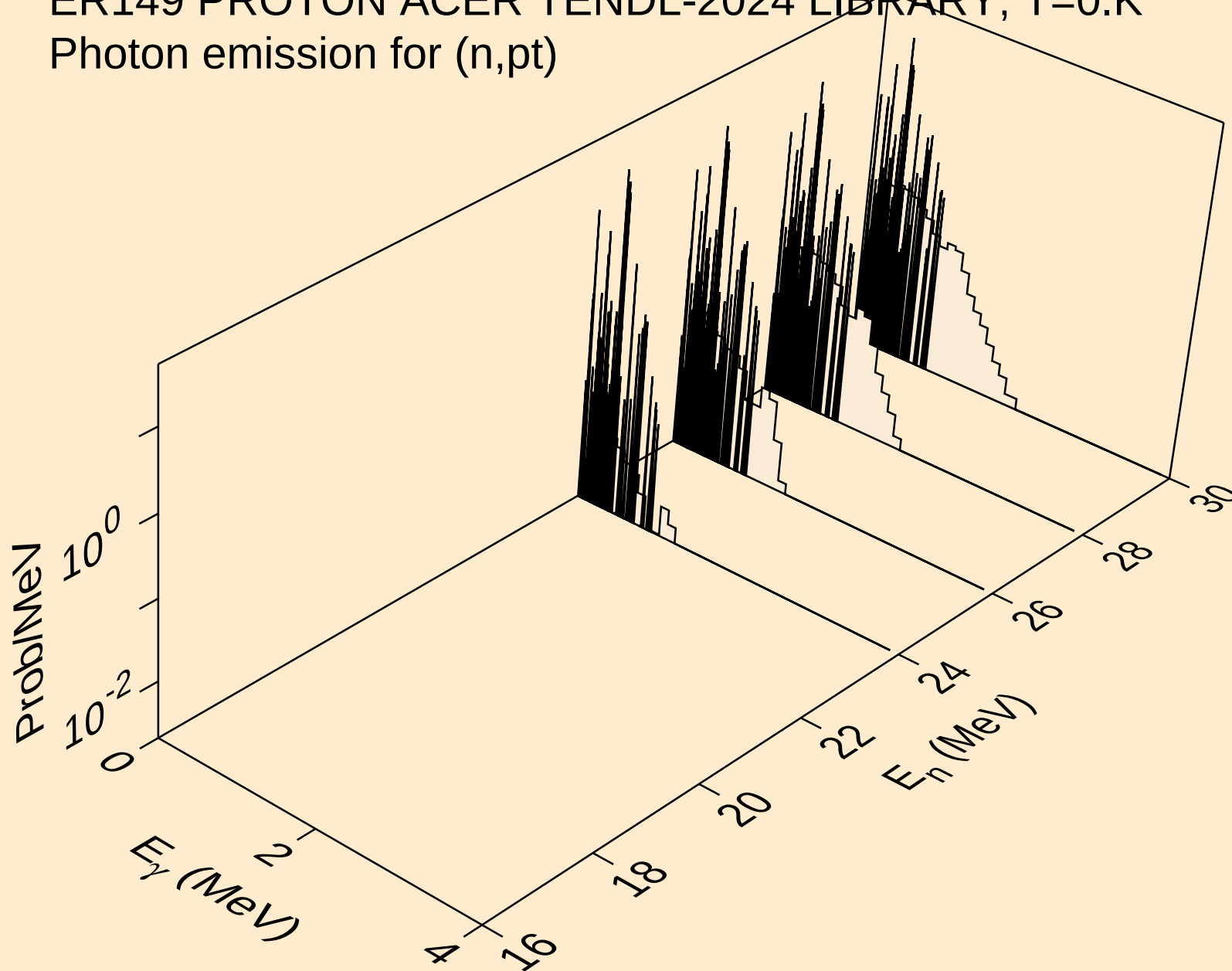
ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,pd)

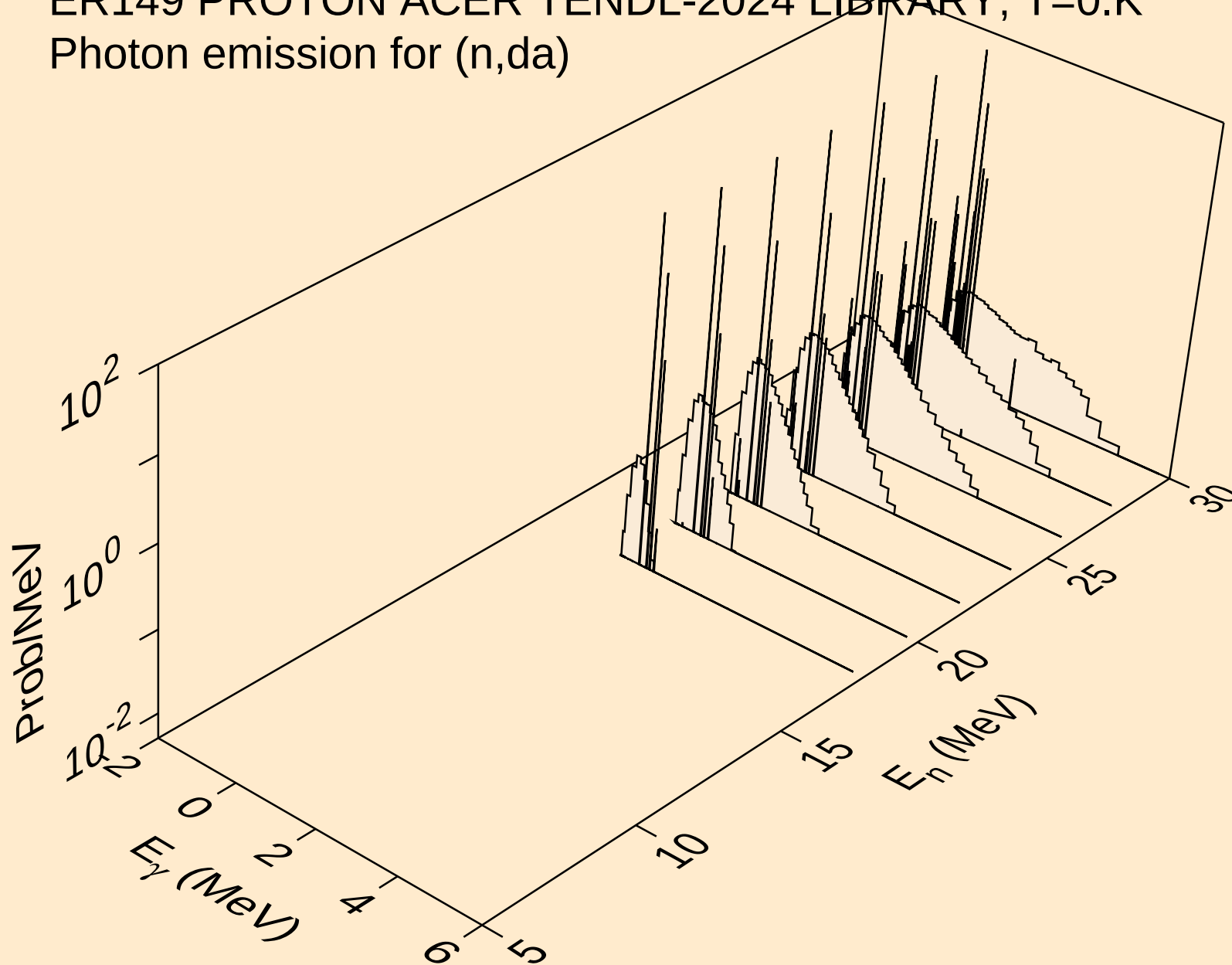


ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,pt)

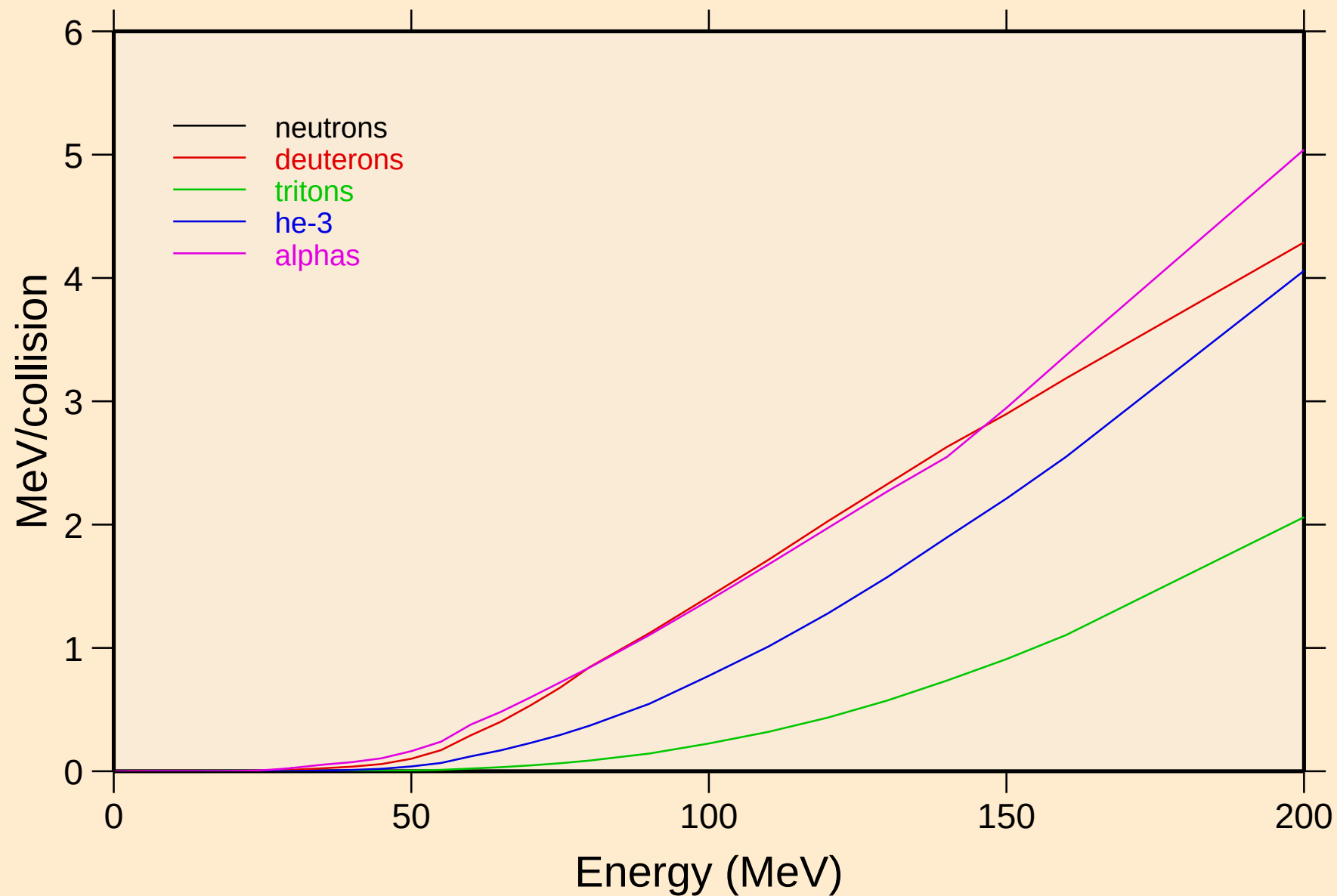


ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



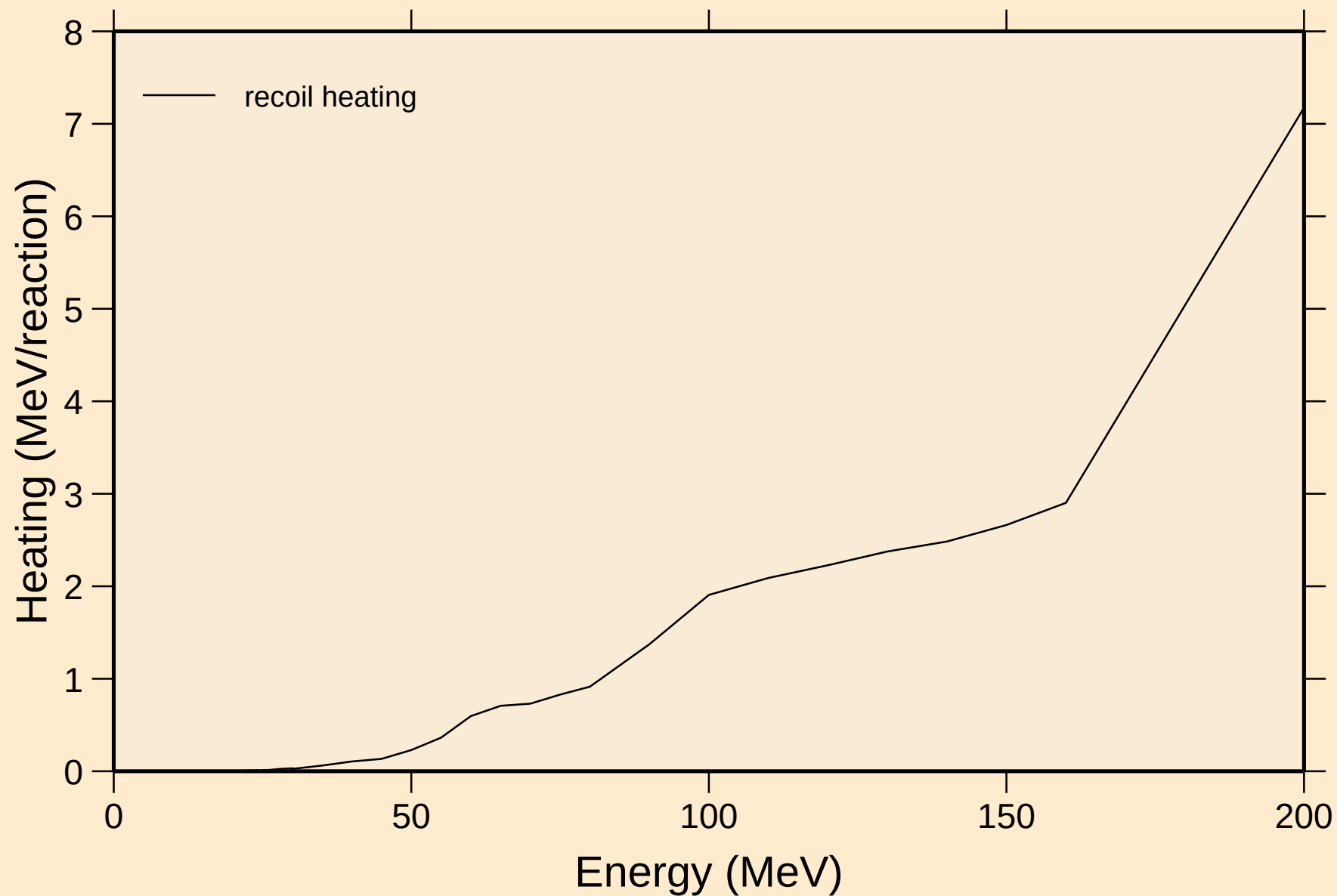
# ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions



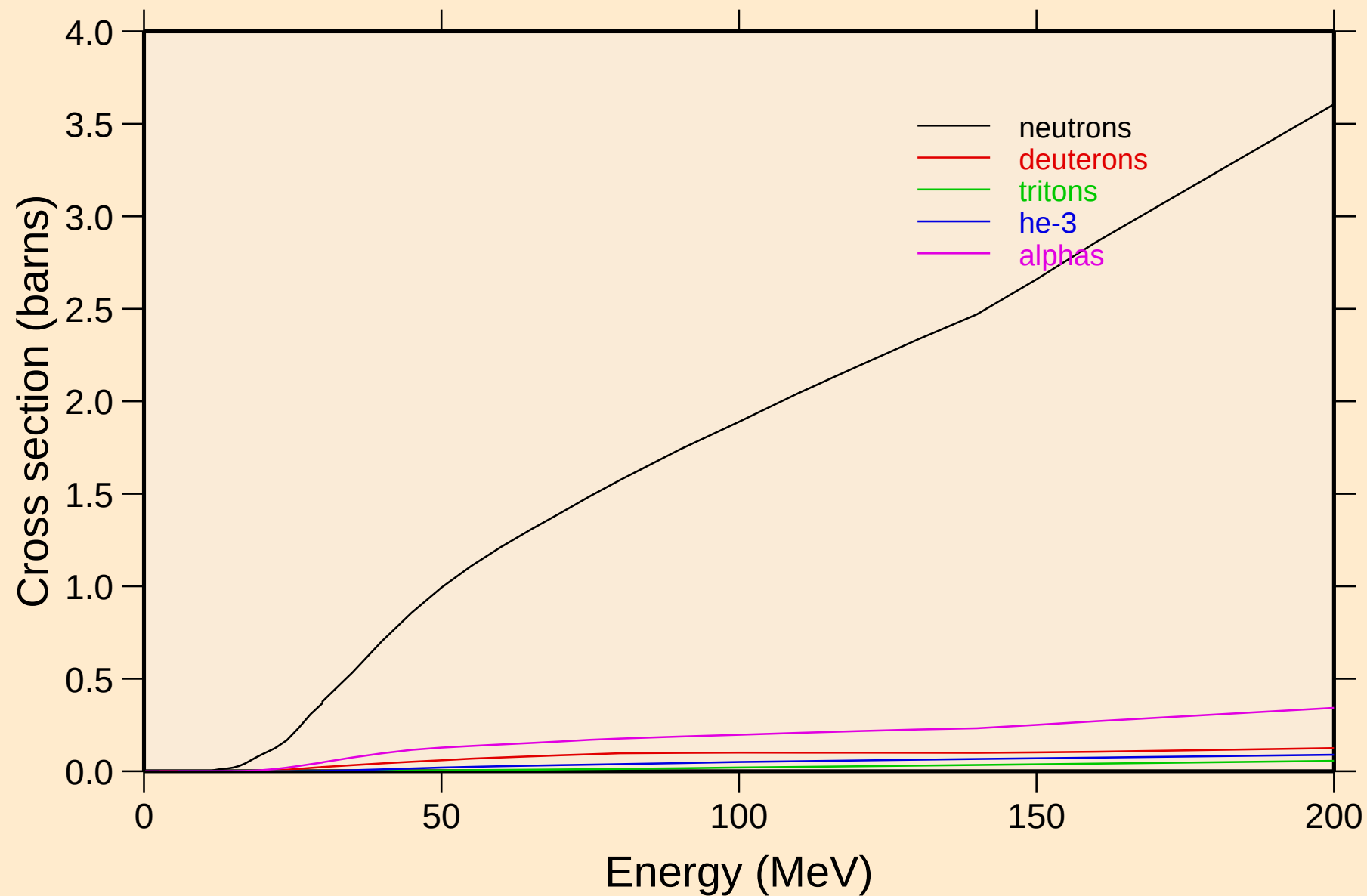
# ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Recoil Heating

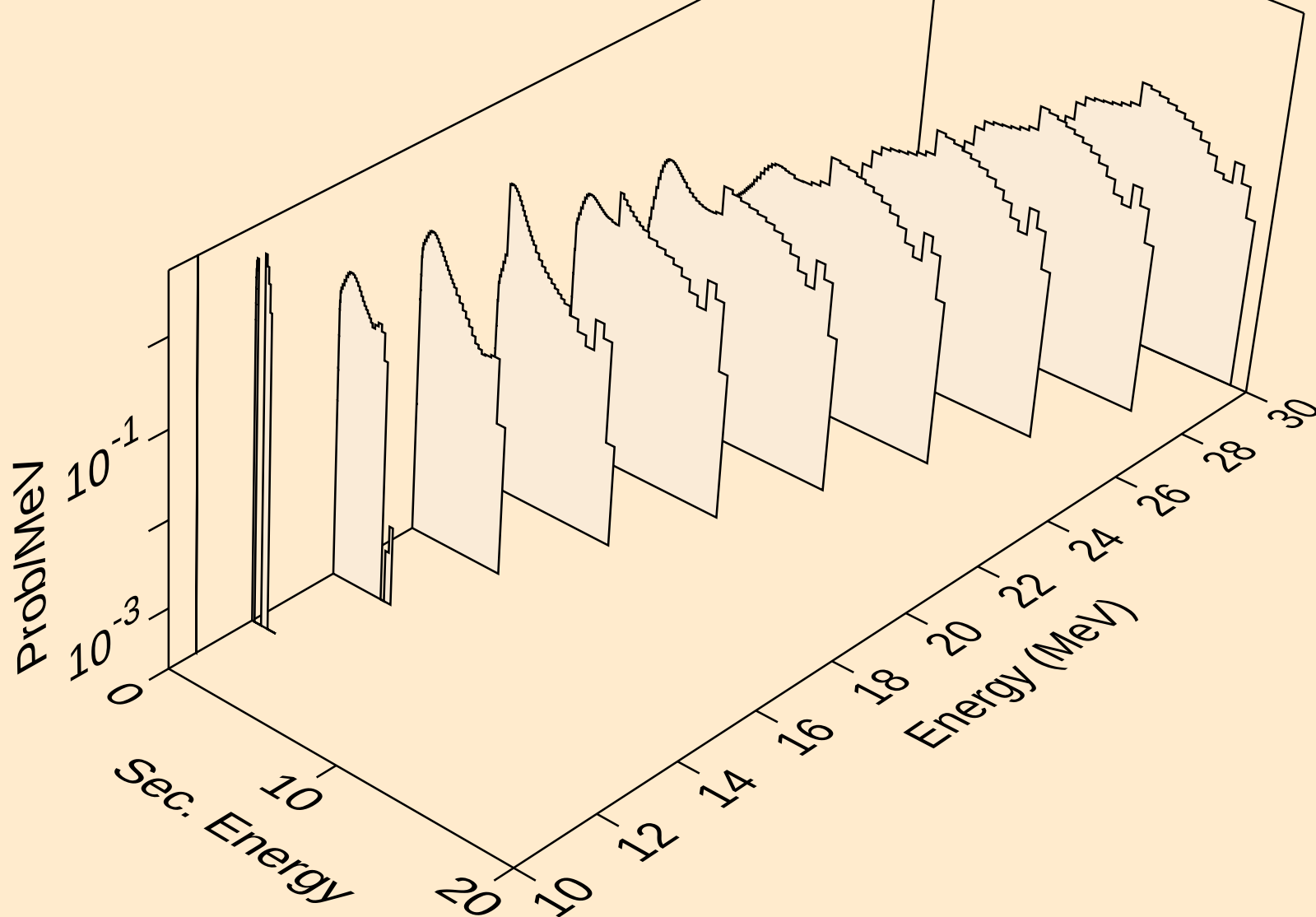


# ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K

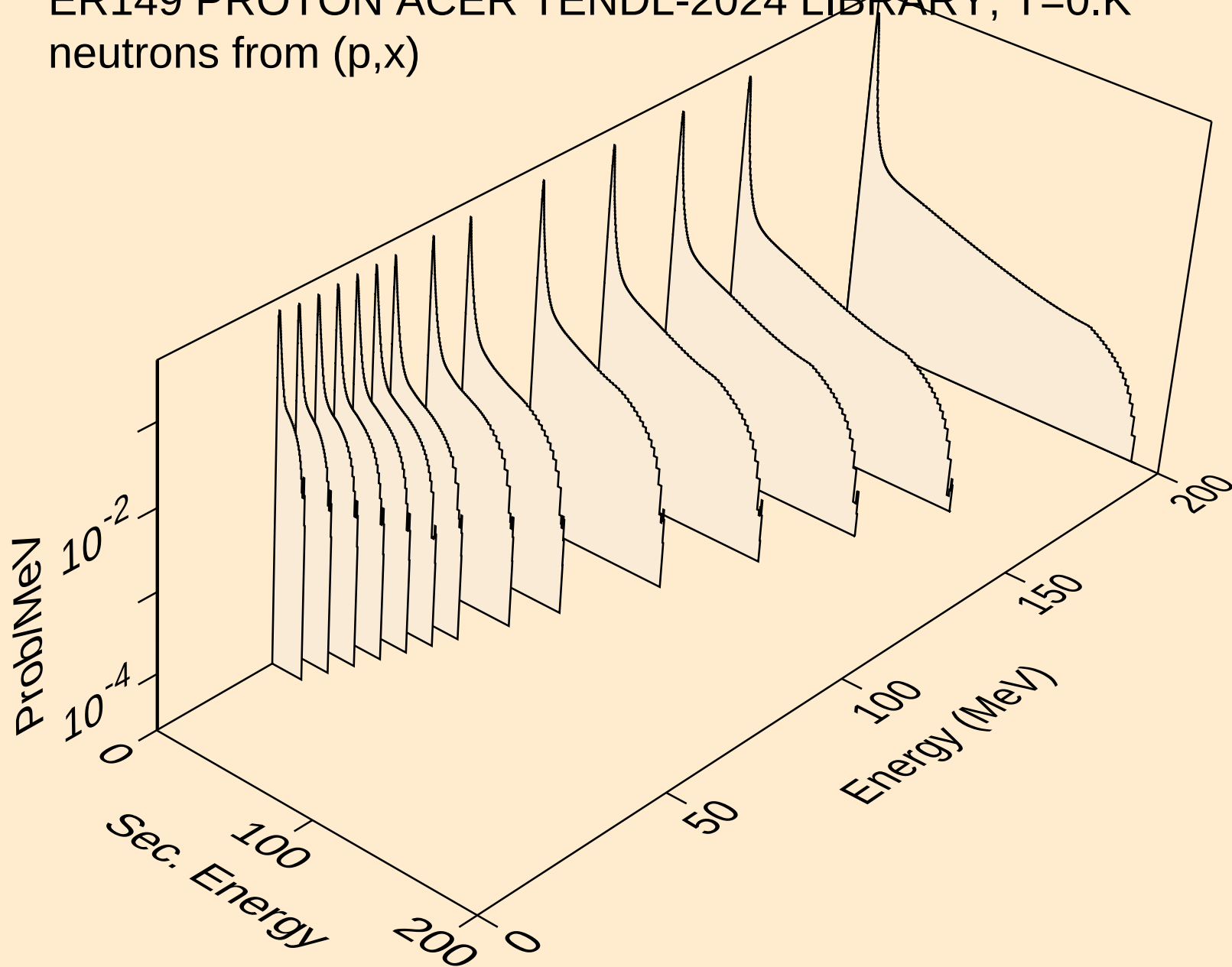
## Particle production cross sections



ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n)

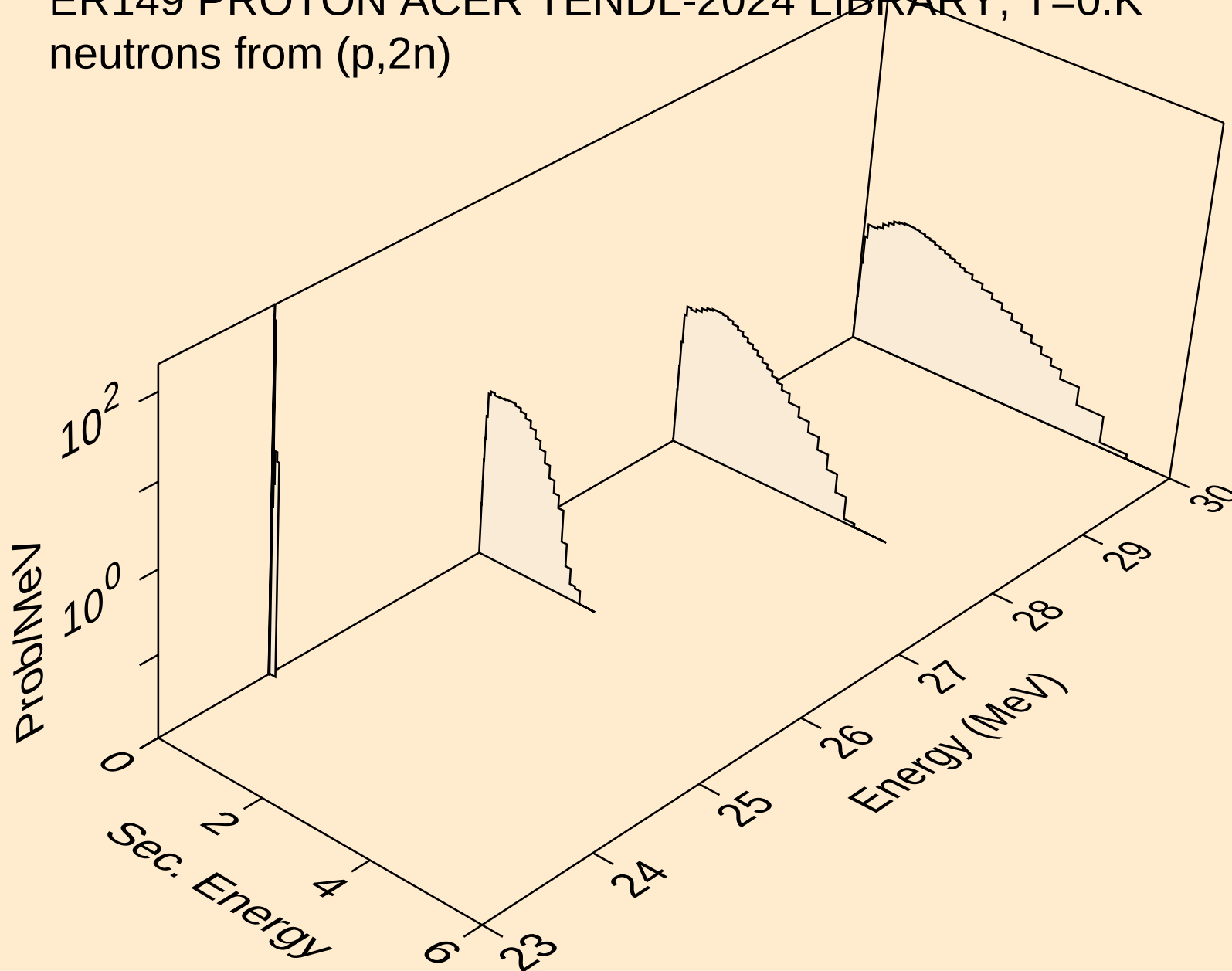


ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,x)

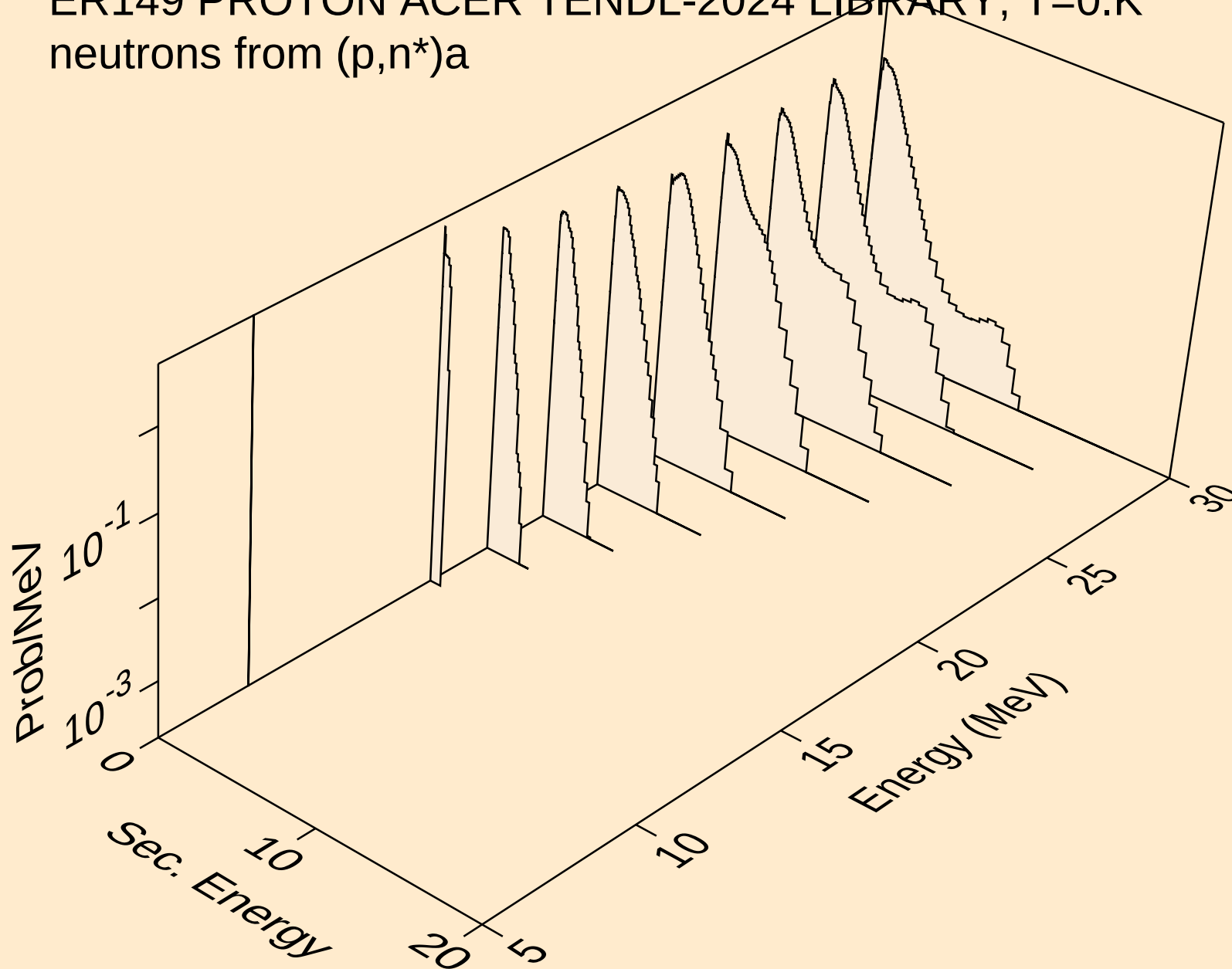




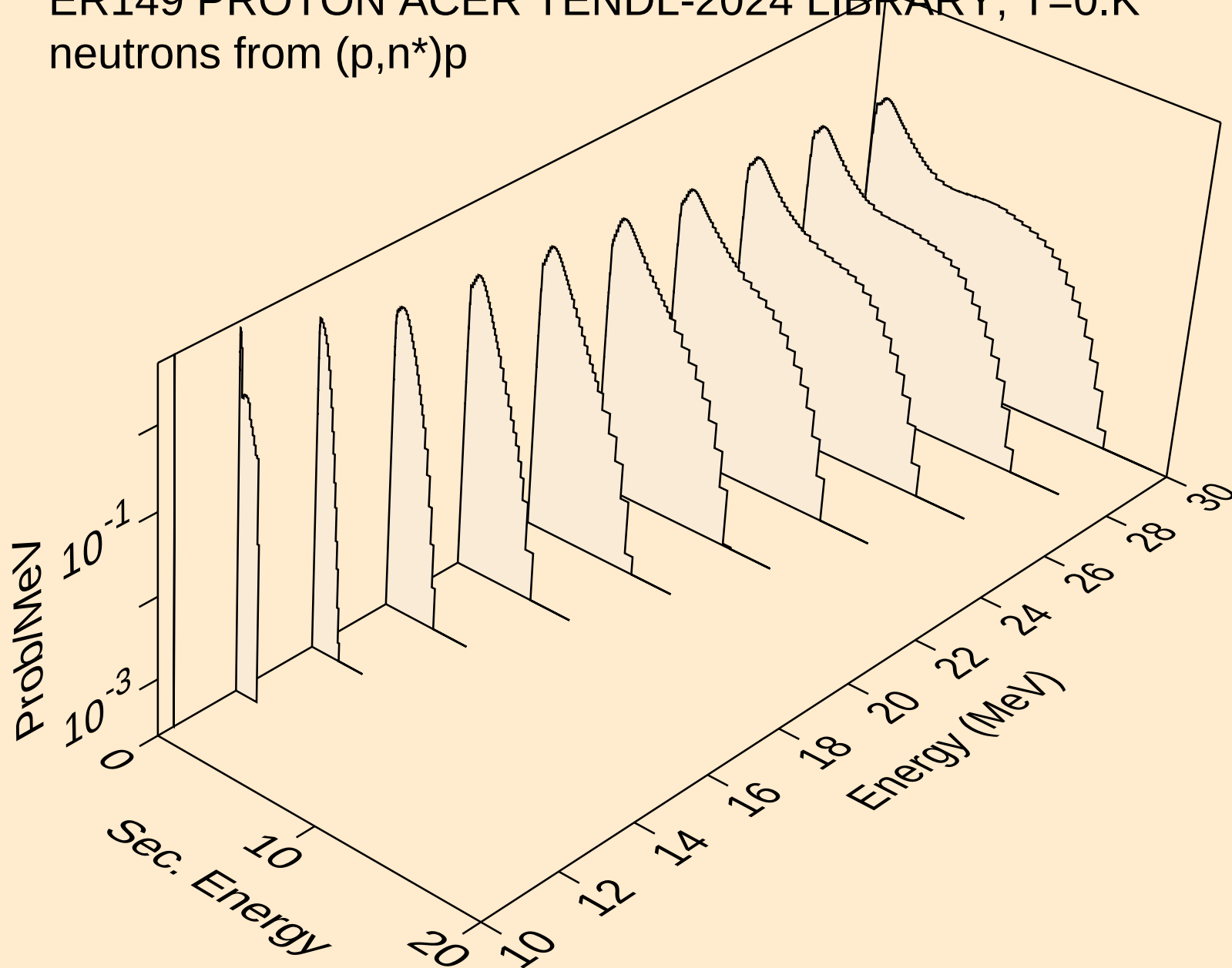
ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,2n)



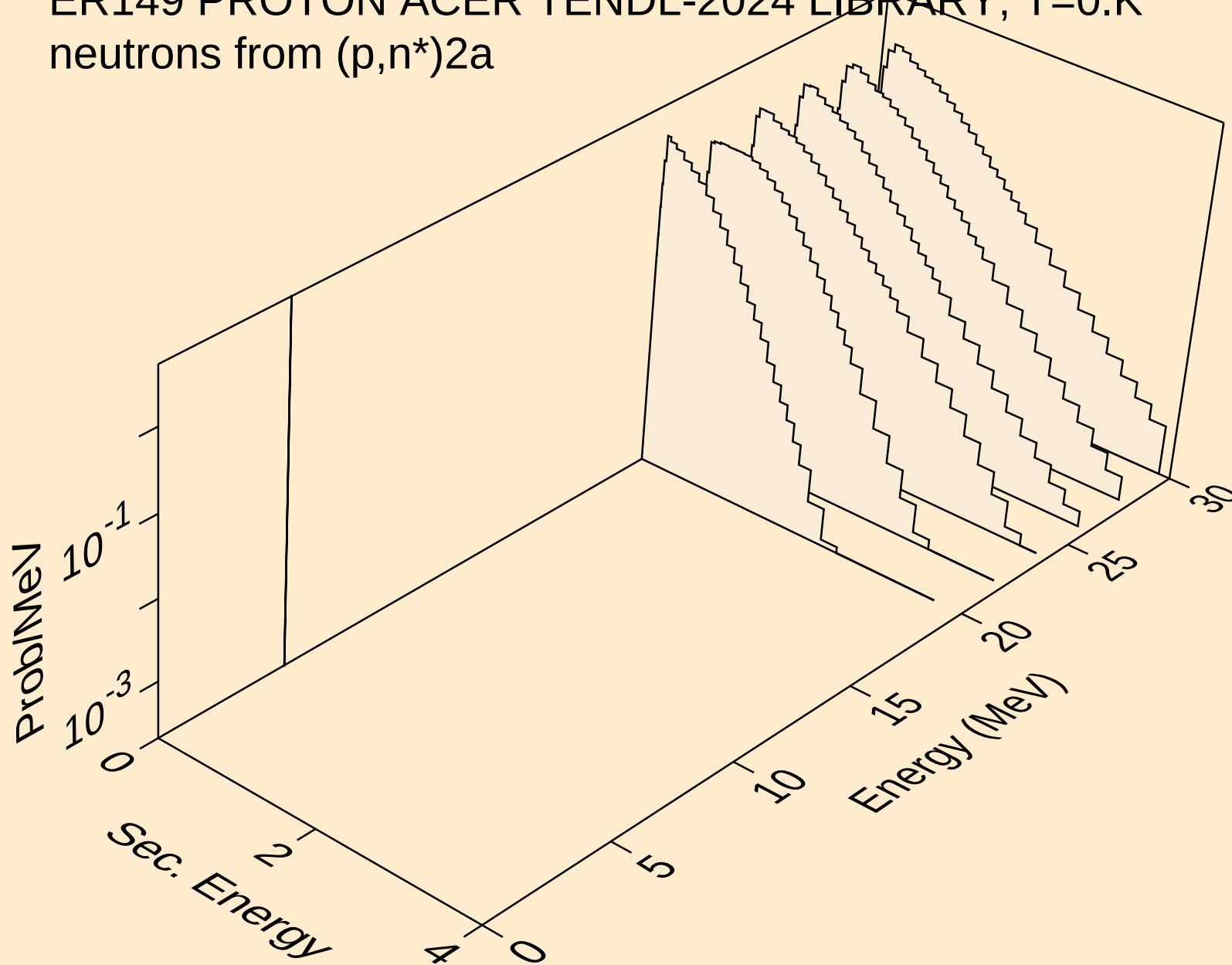
ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)a



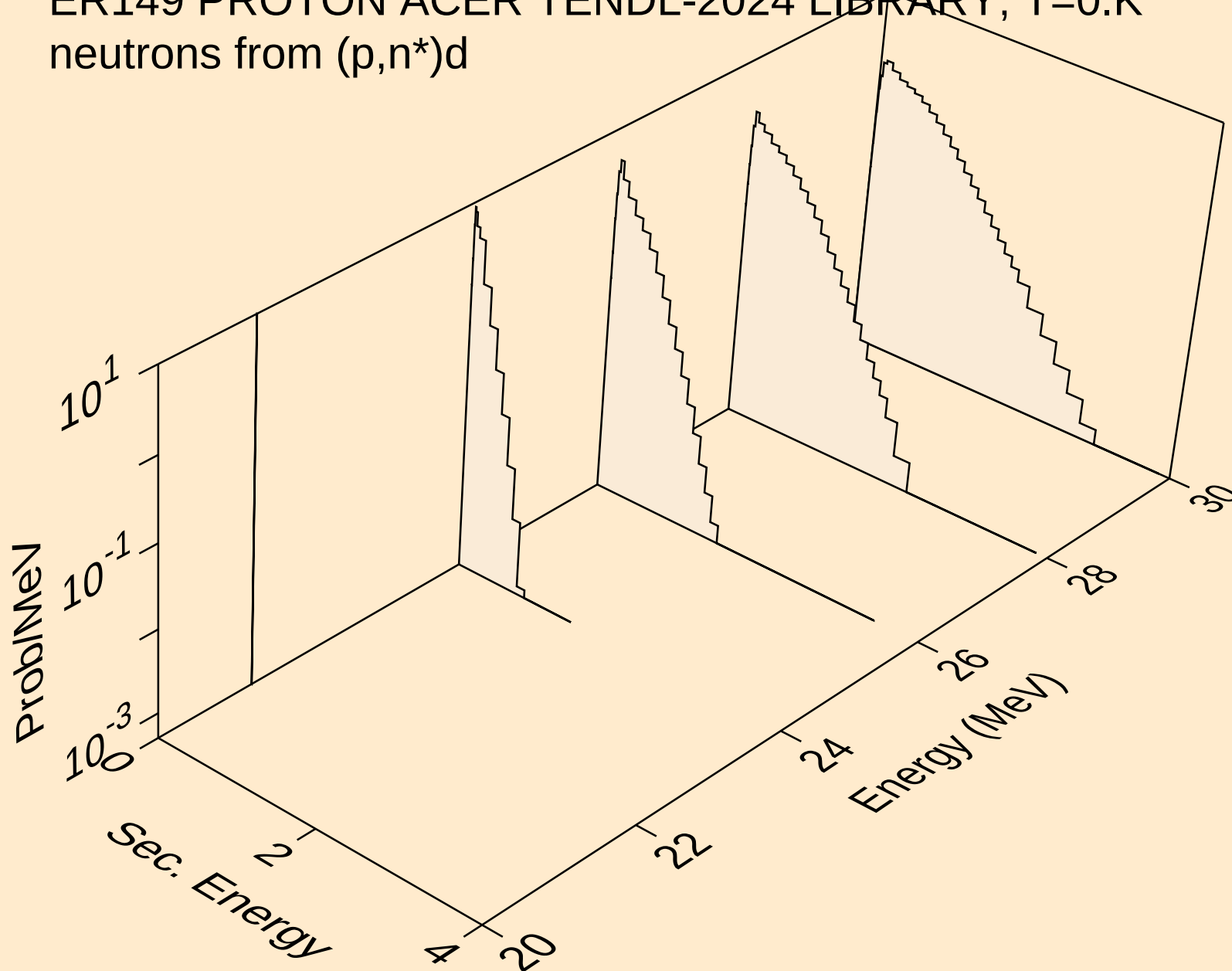
ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)p



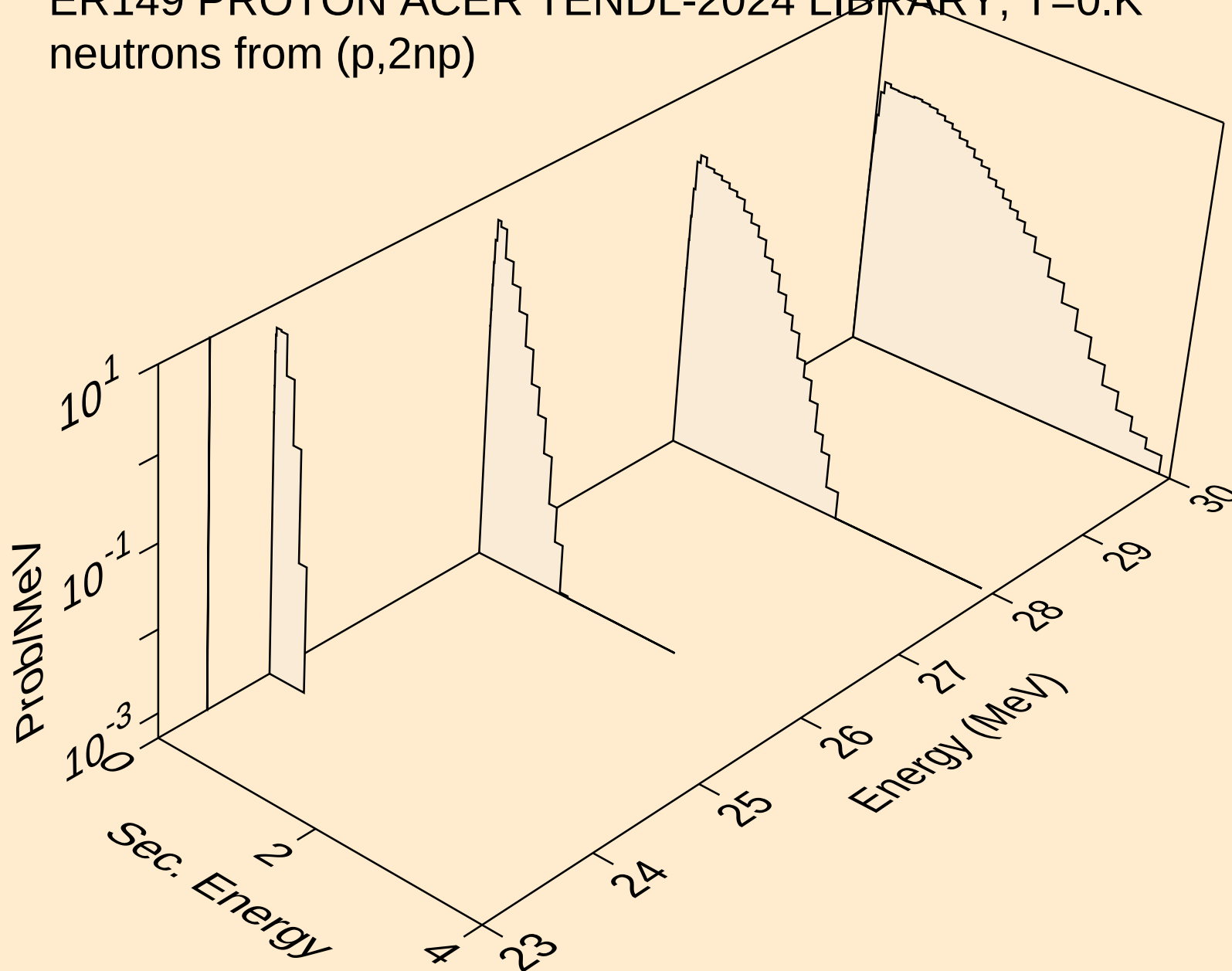
ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)2a



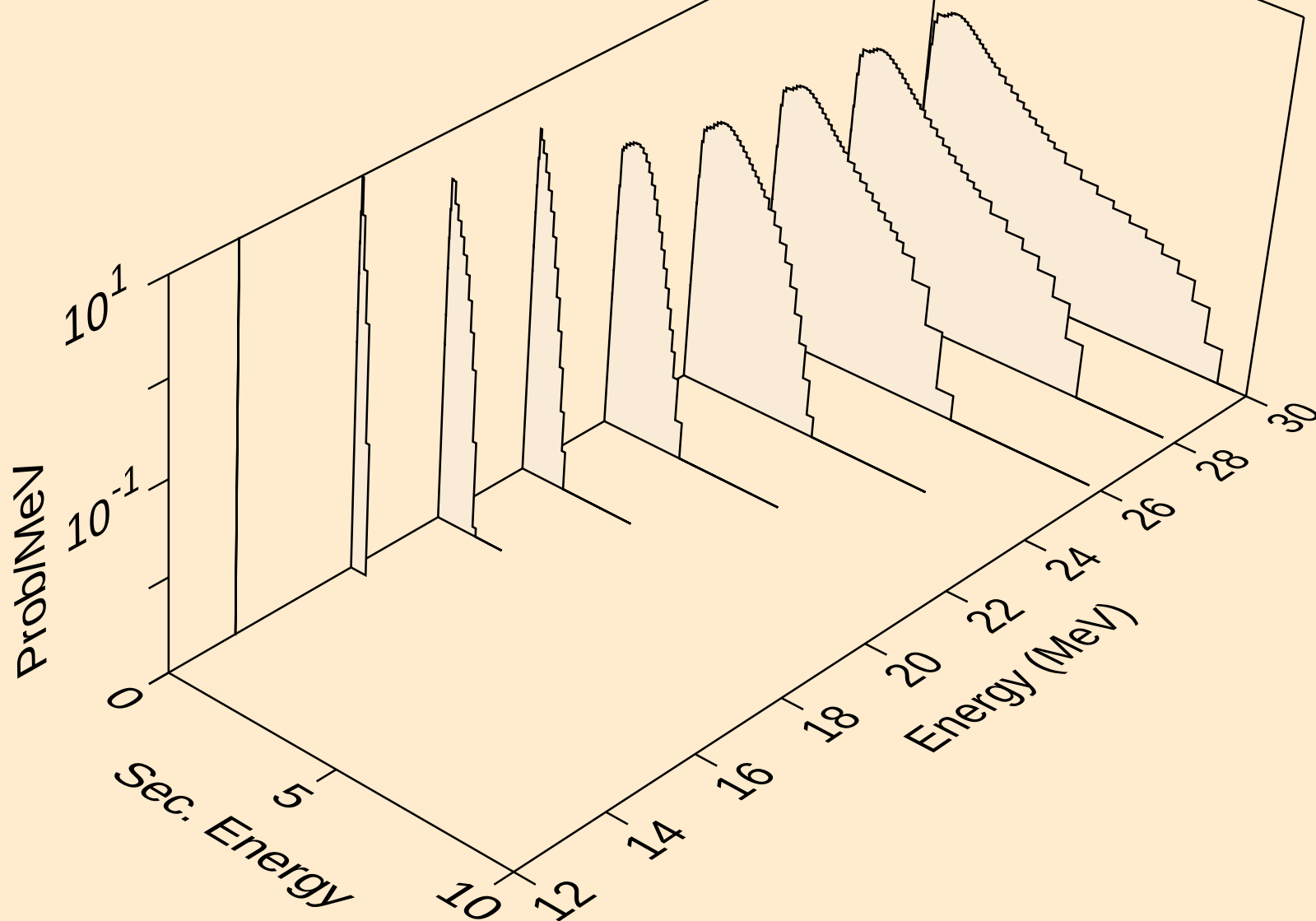
ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)d



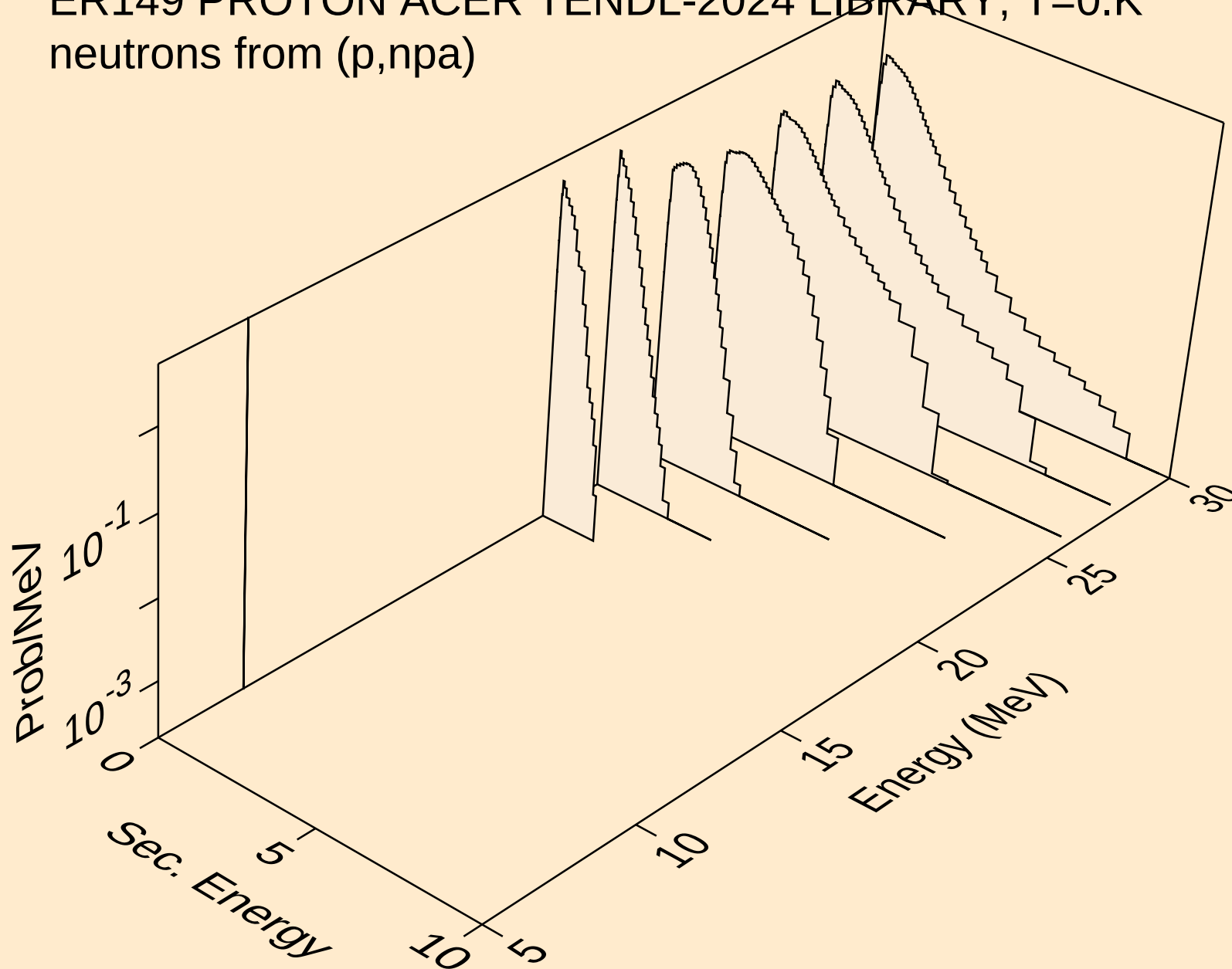
ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,2np)



ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n2p)

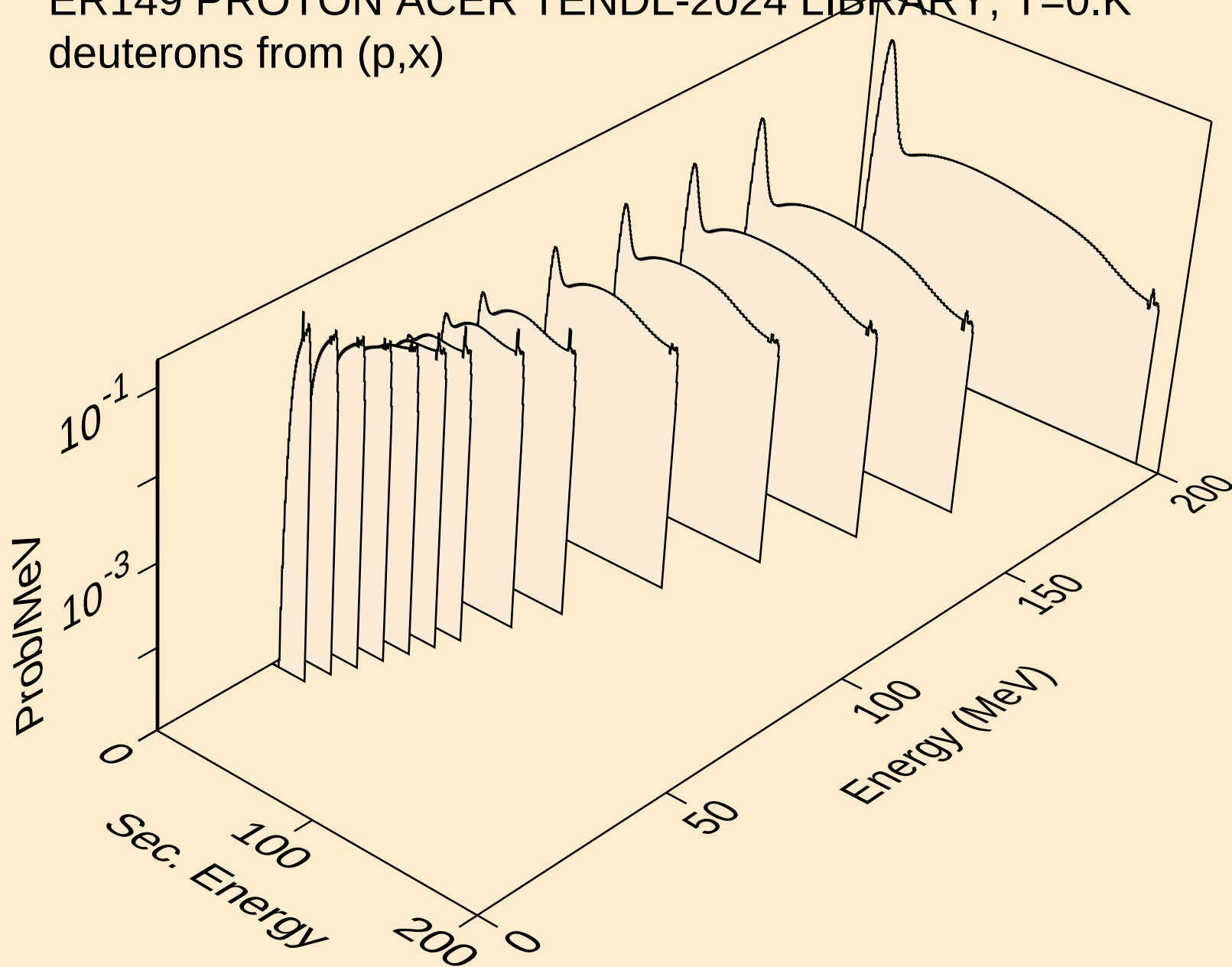


ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,npa)

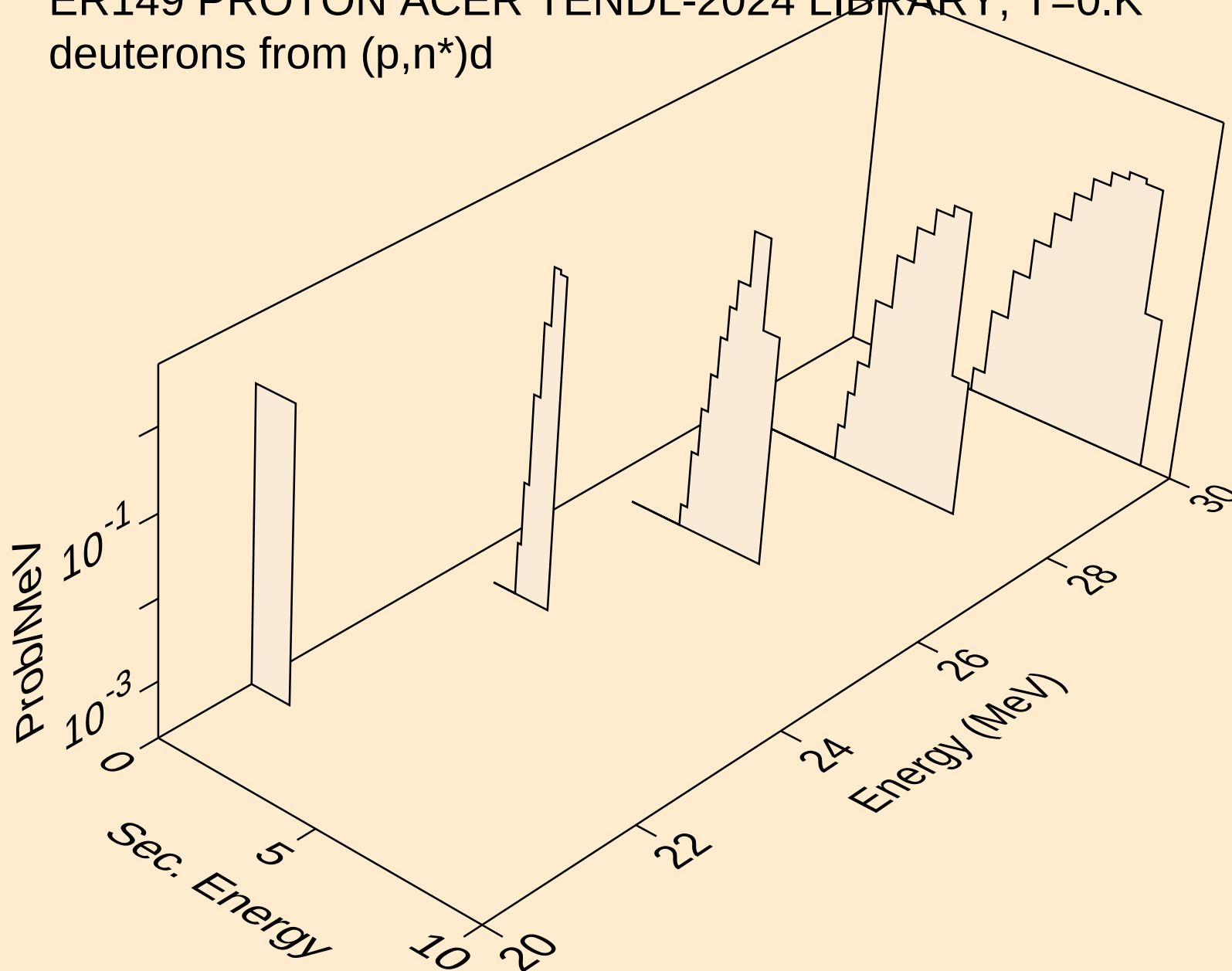




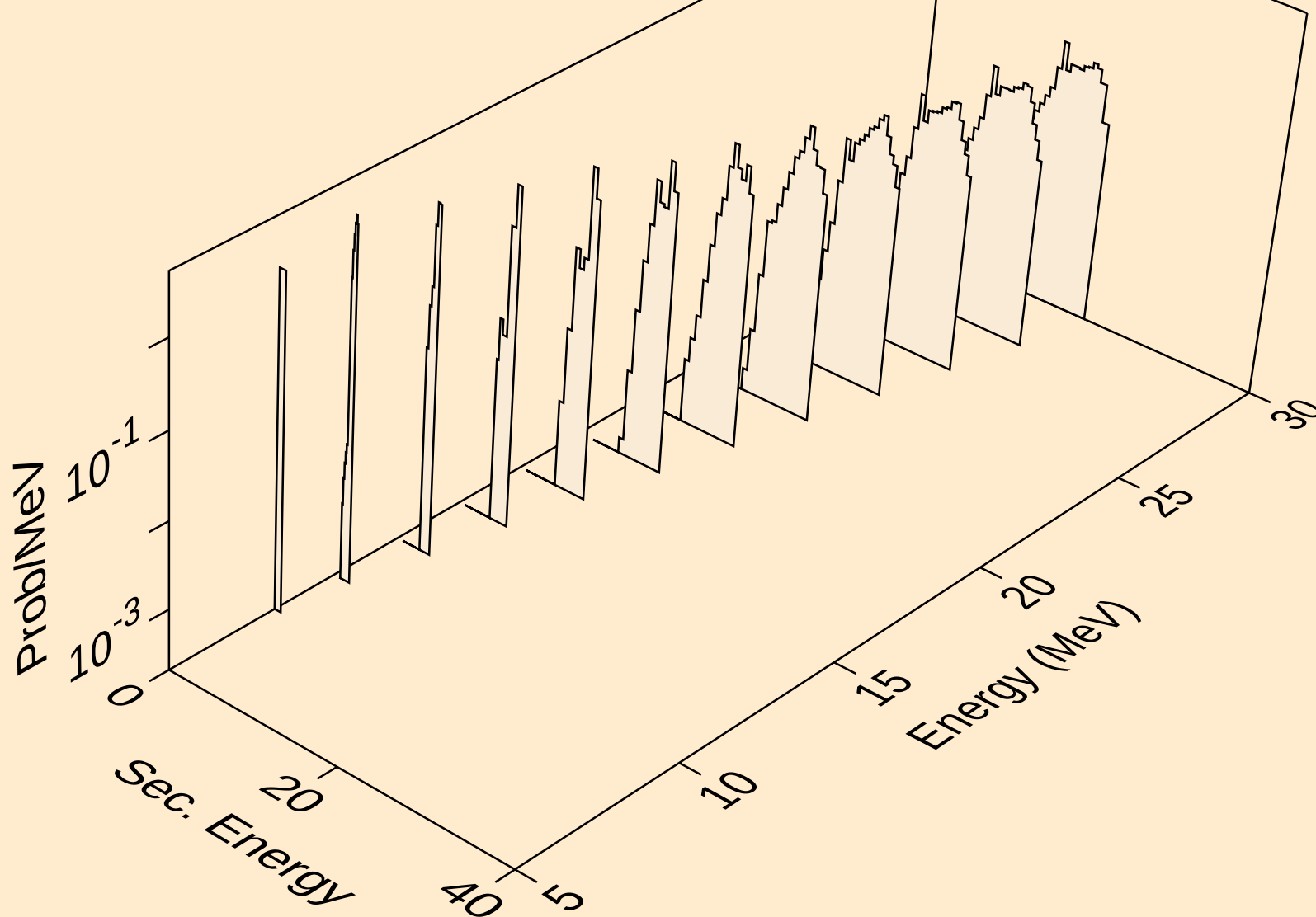
ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (p,x)



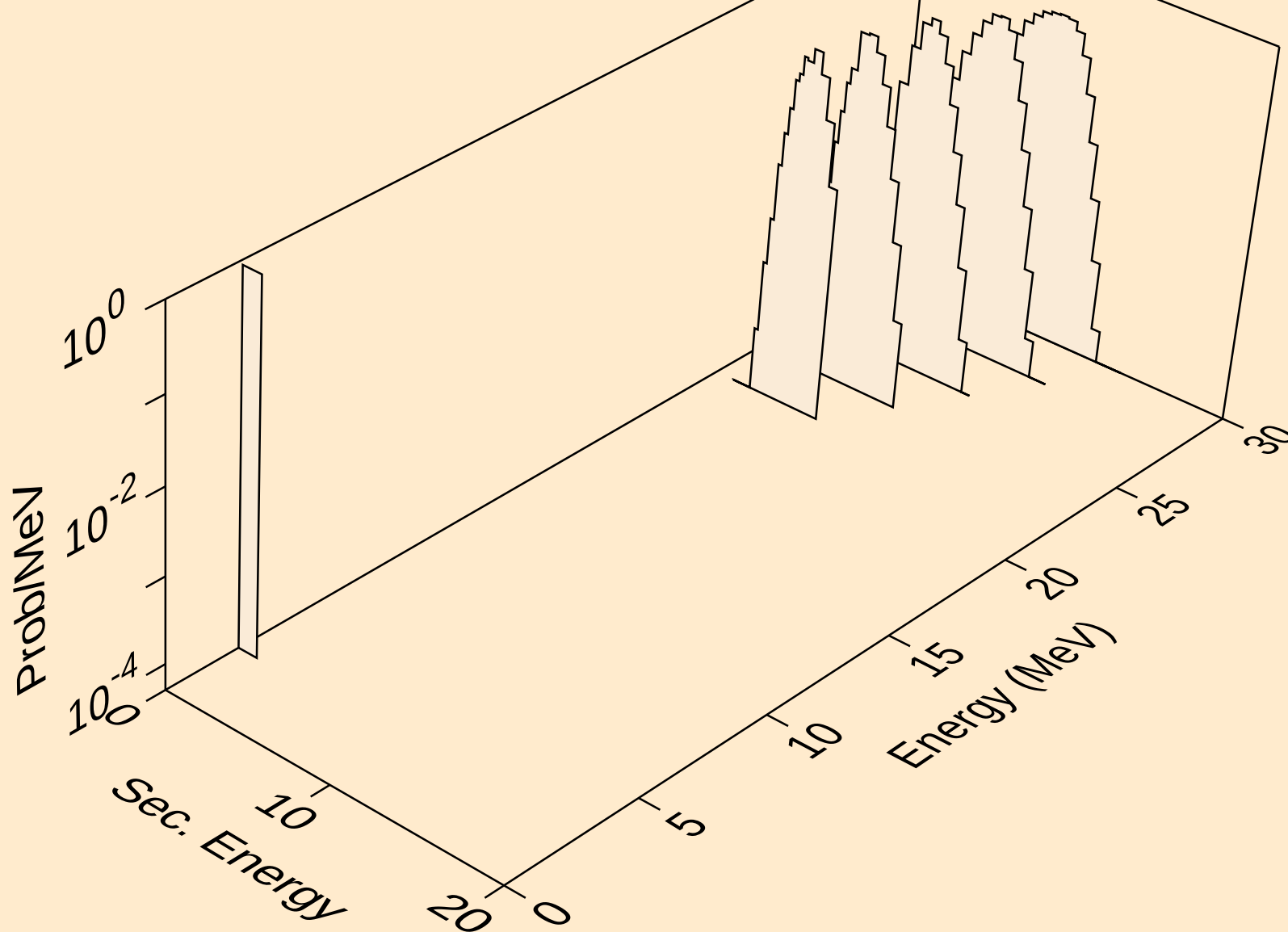
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deuterons from (p,n\*)d



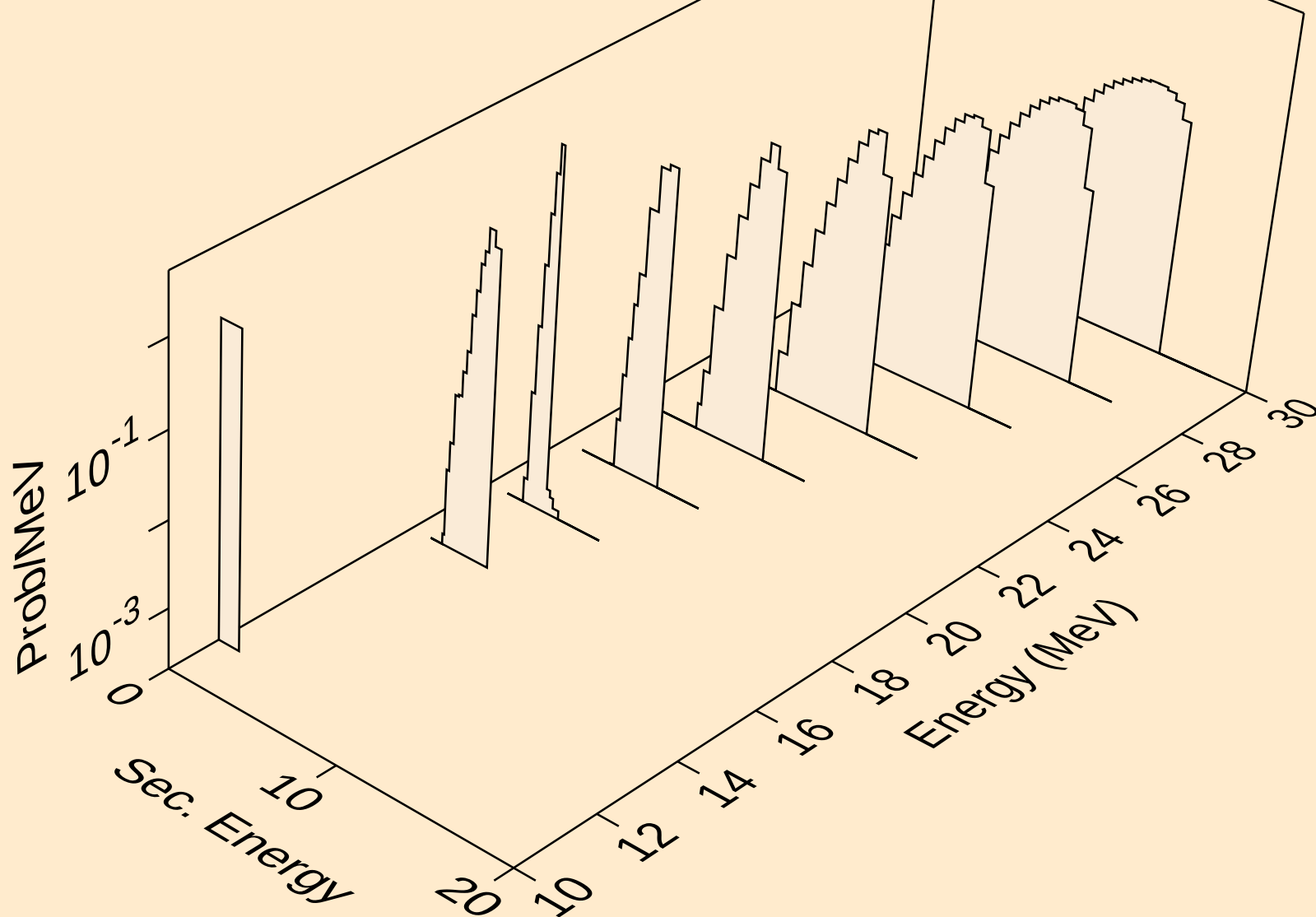
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deuterons from (p,d)



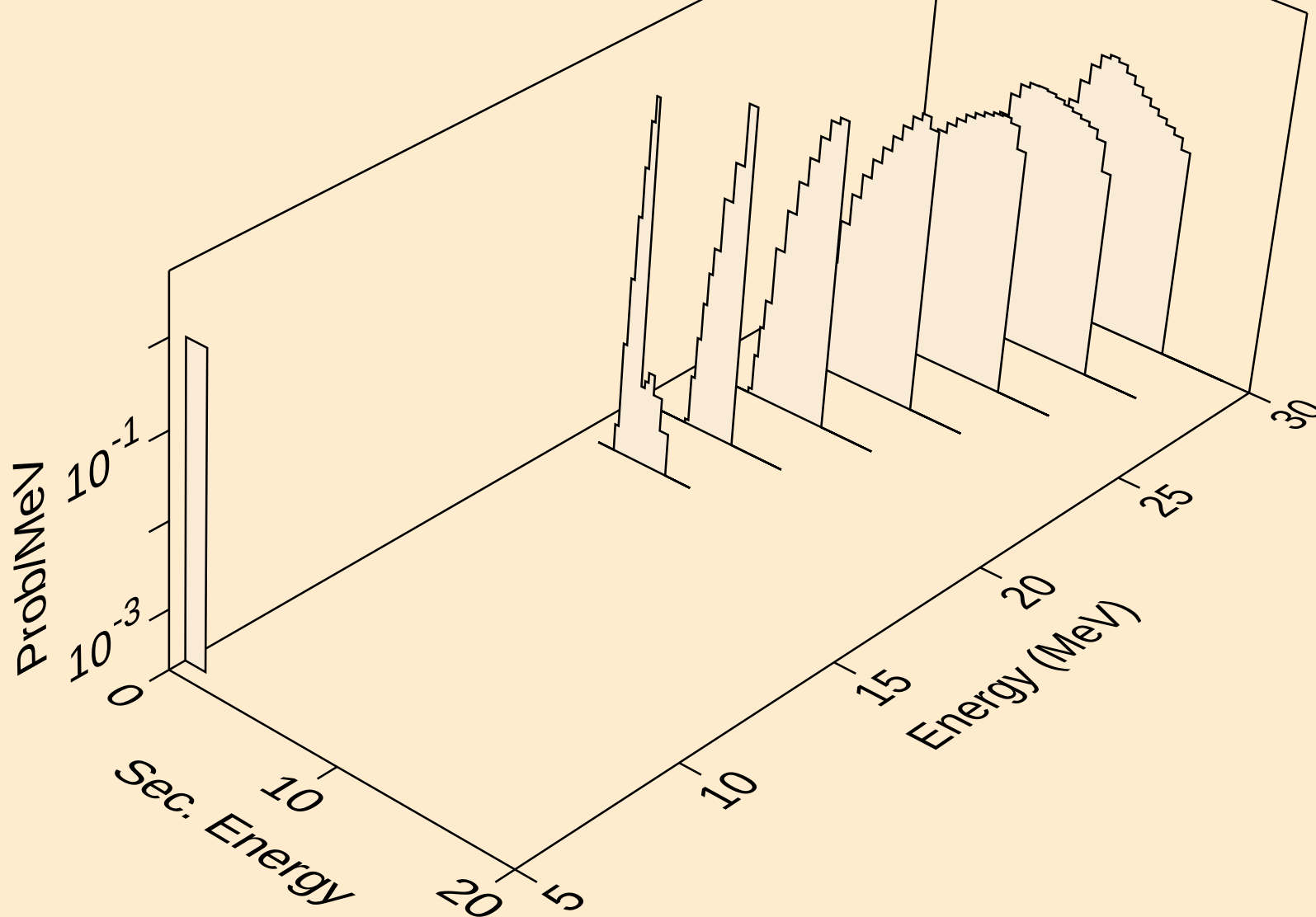
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deuterons from (p,d2a)



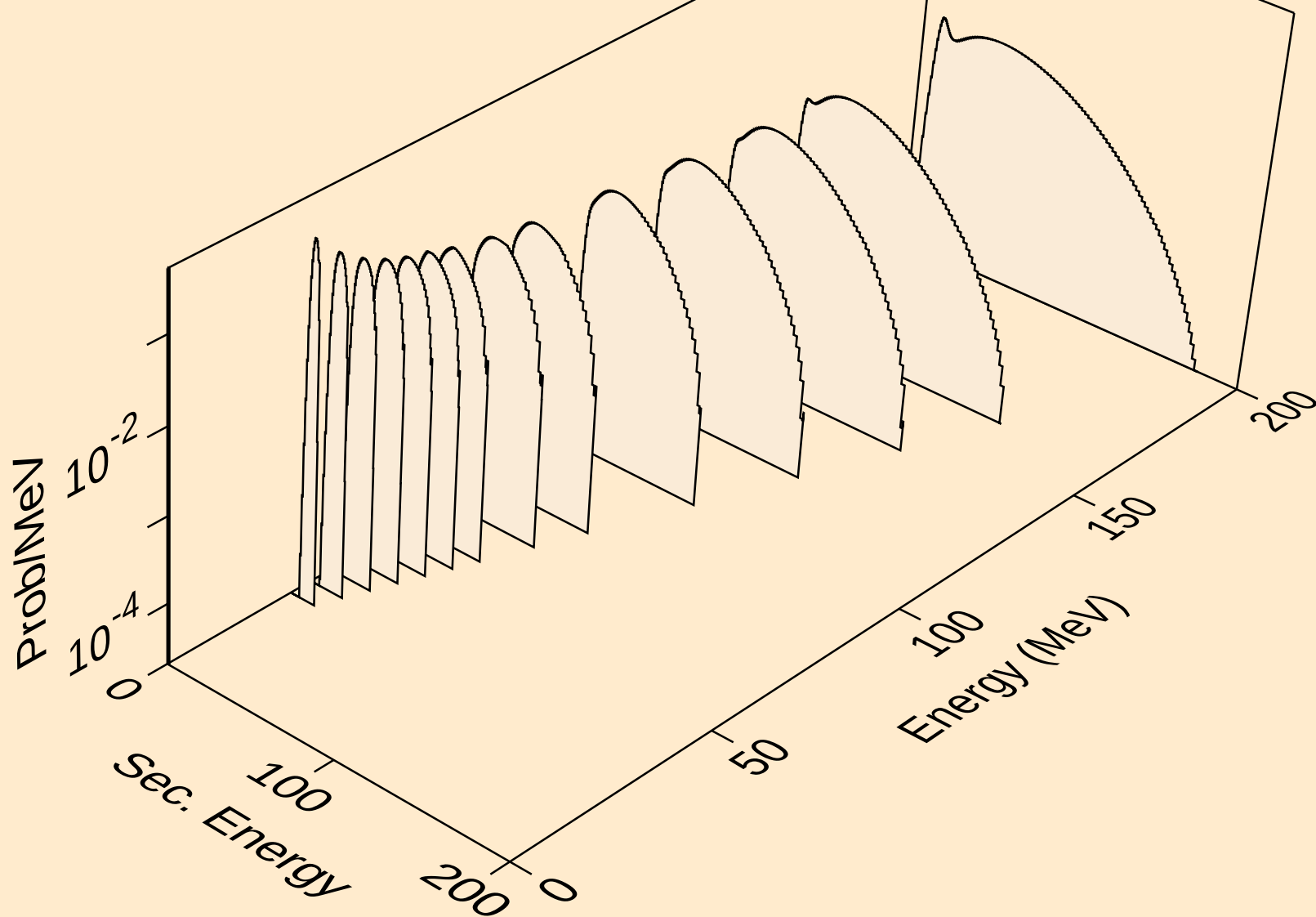
ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (p,pd)



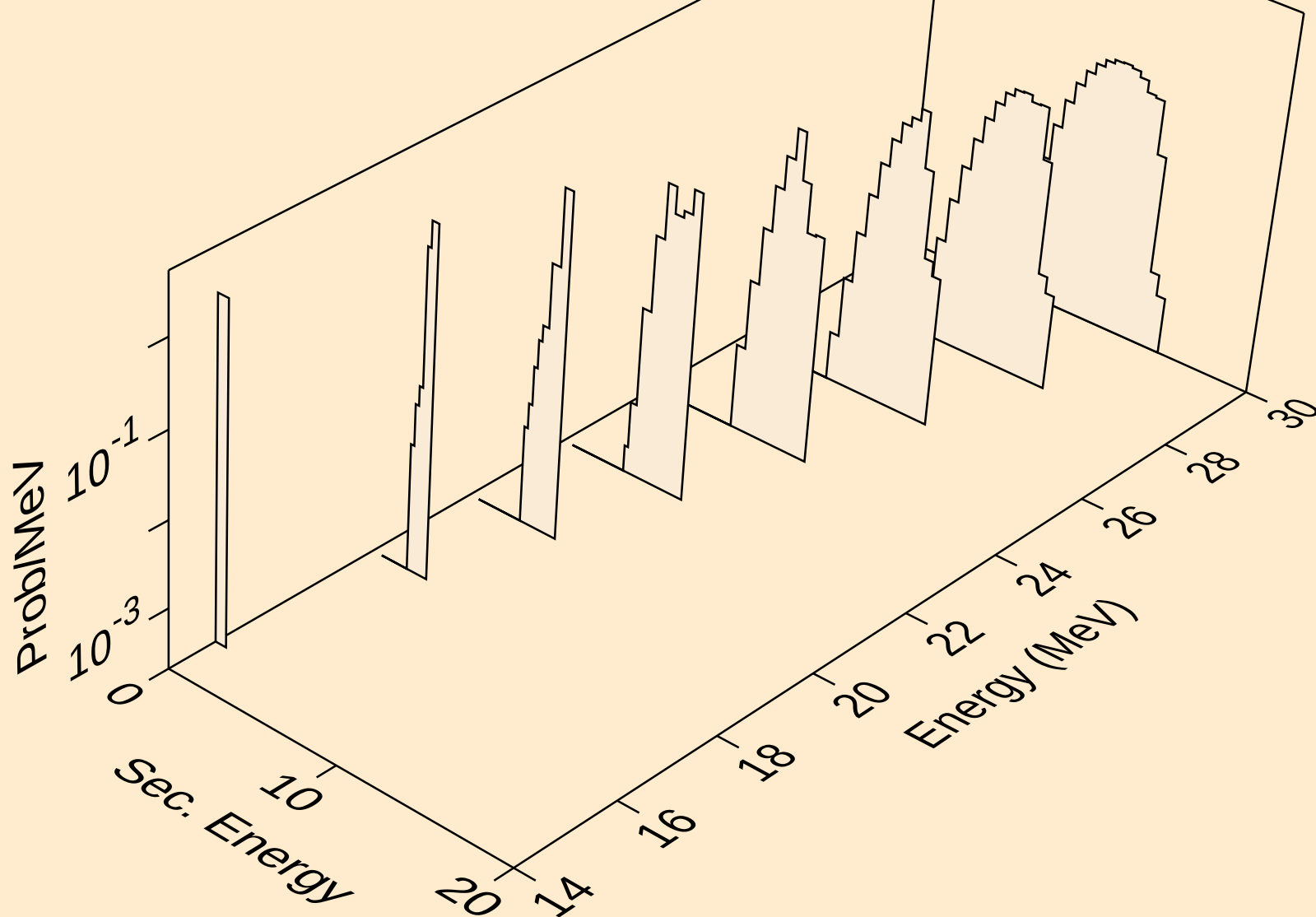
ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (p,da)



ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (p,x)

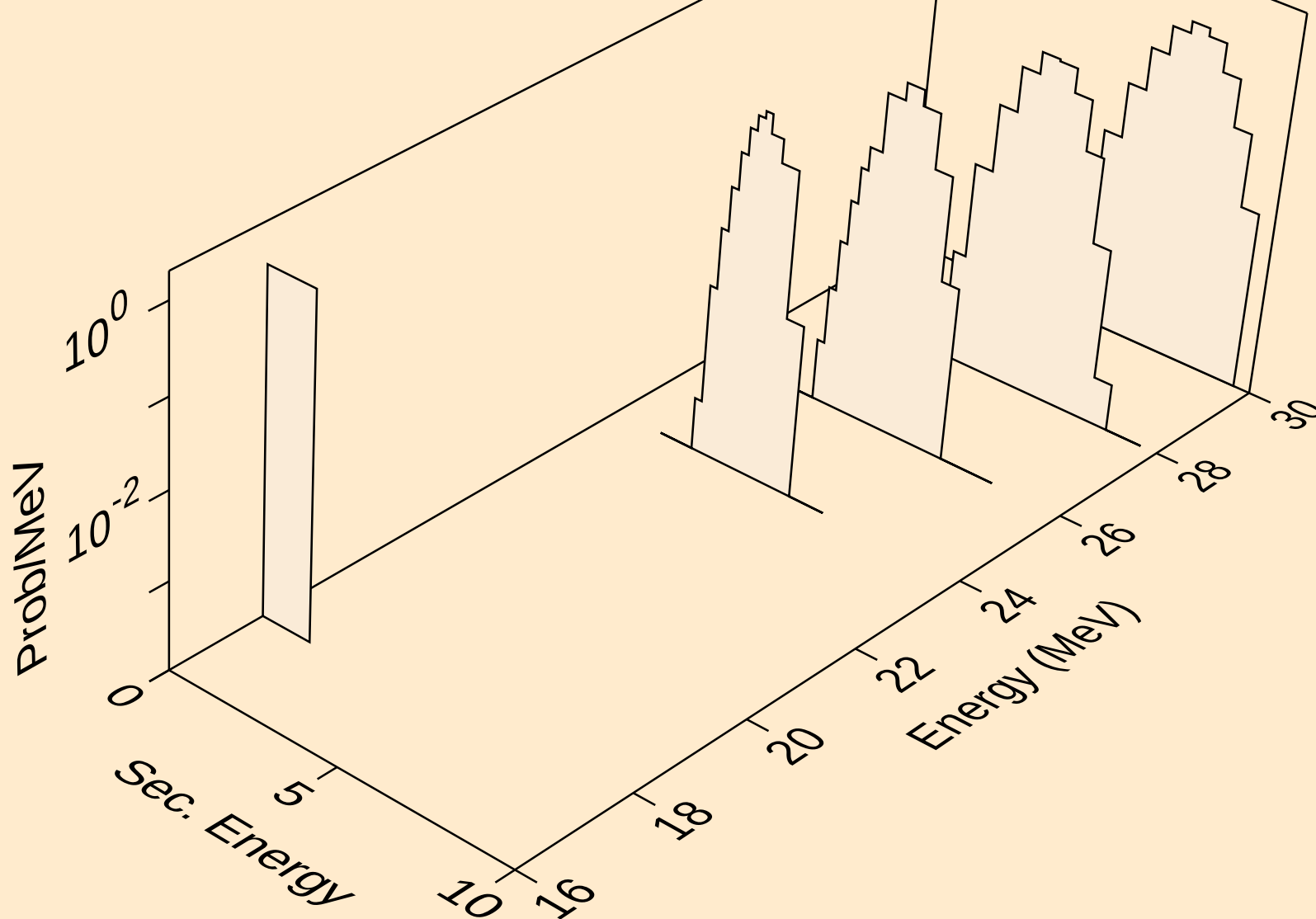


ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (p,t)

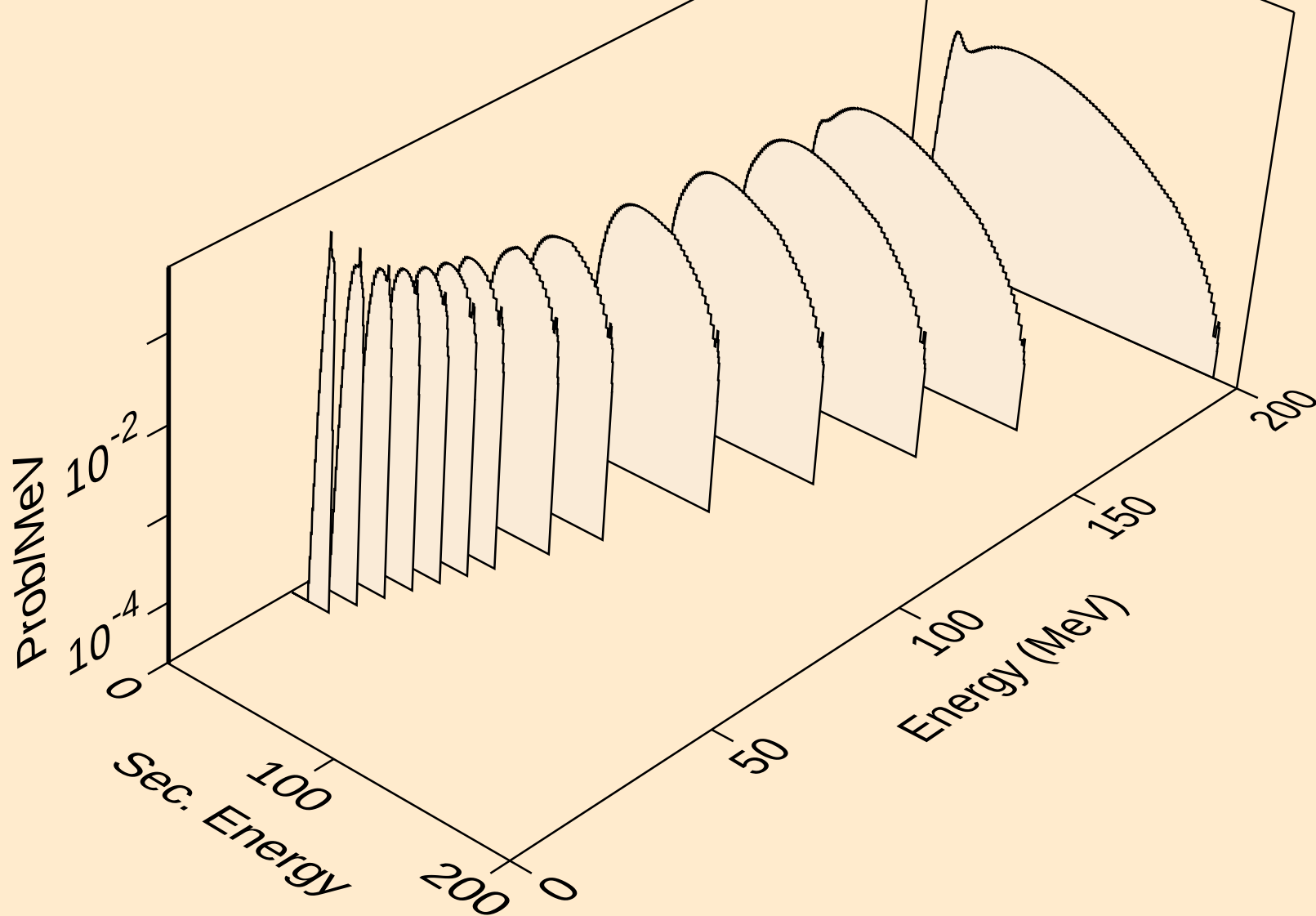




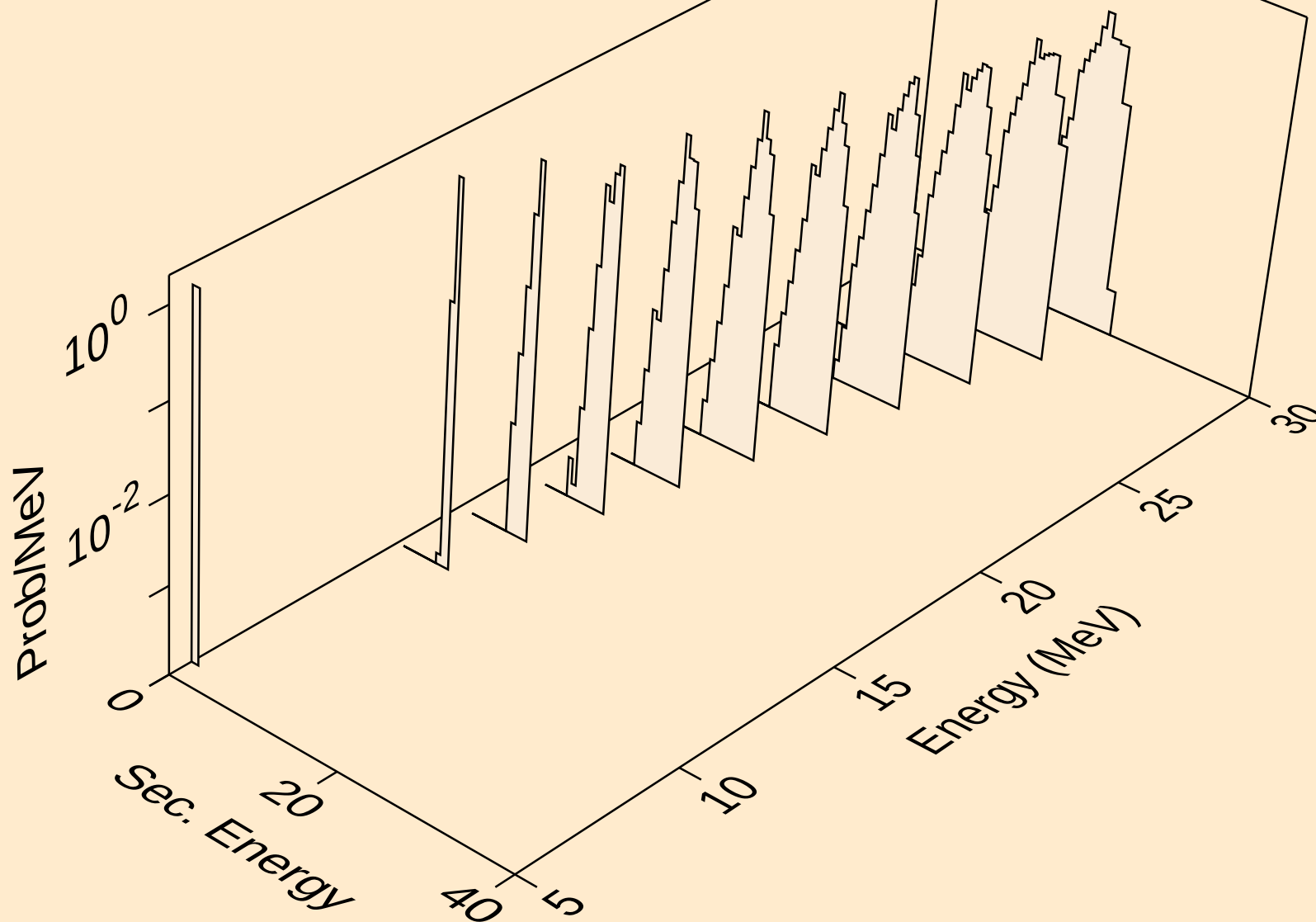
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tritons from (p,pt)



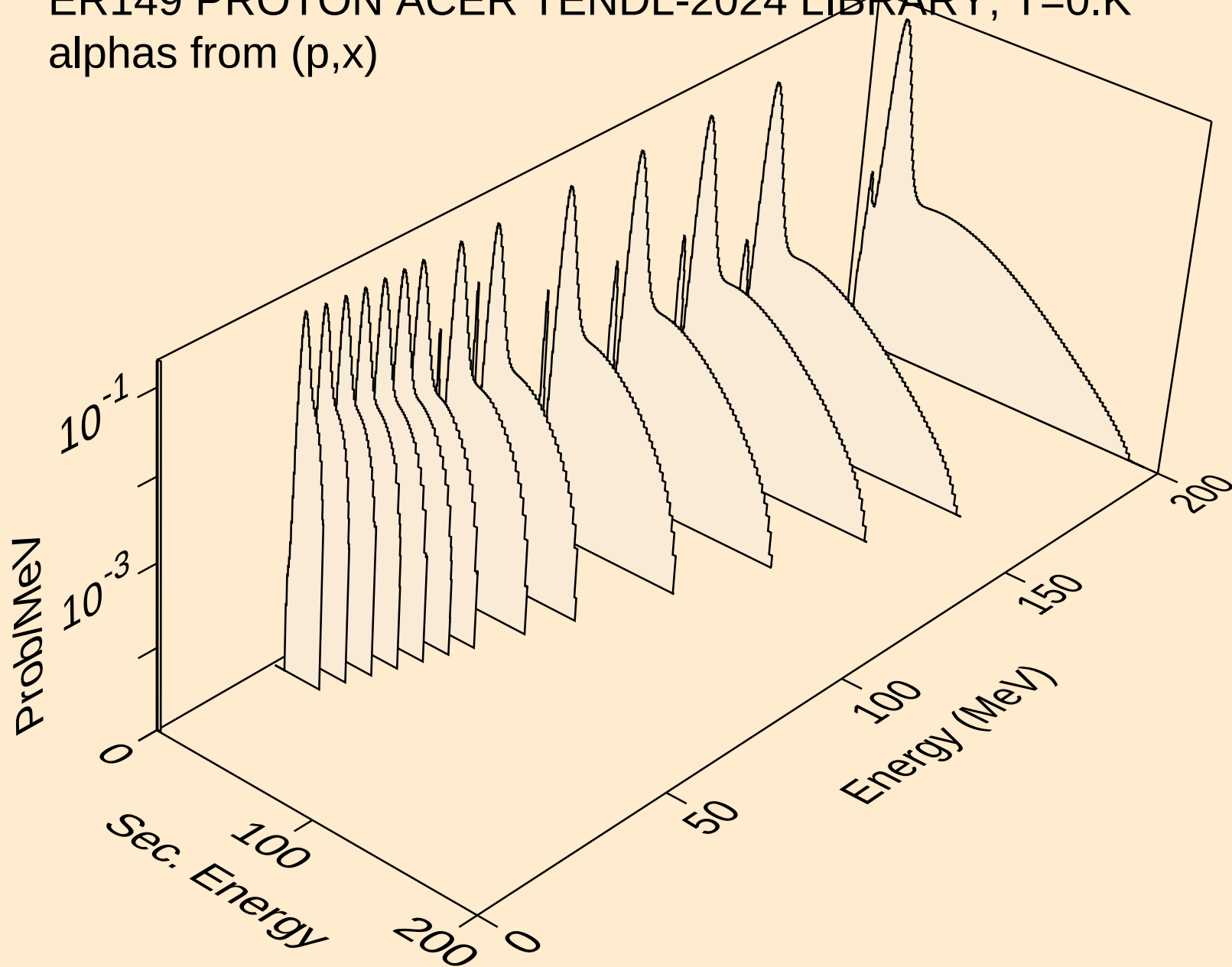
ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (p,x)



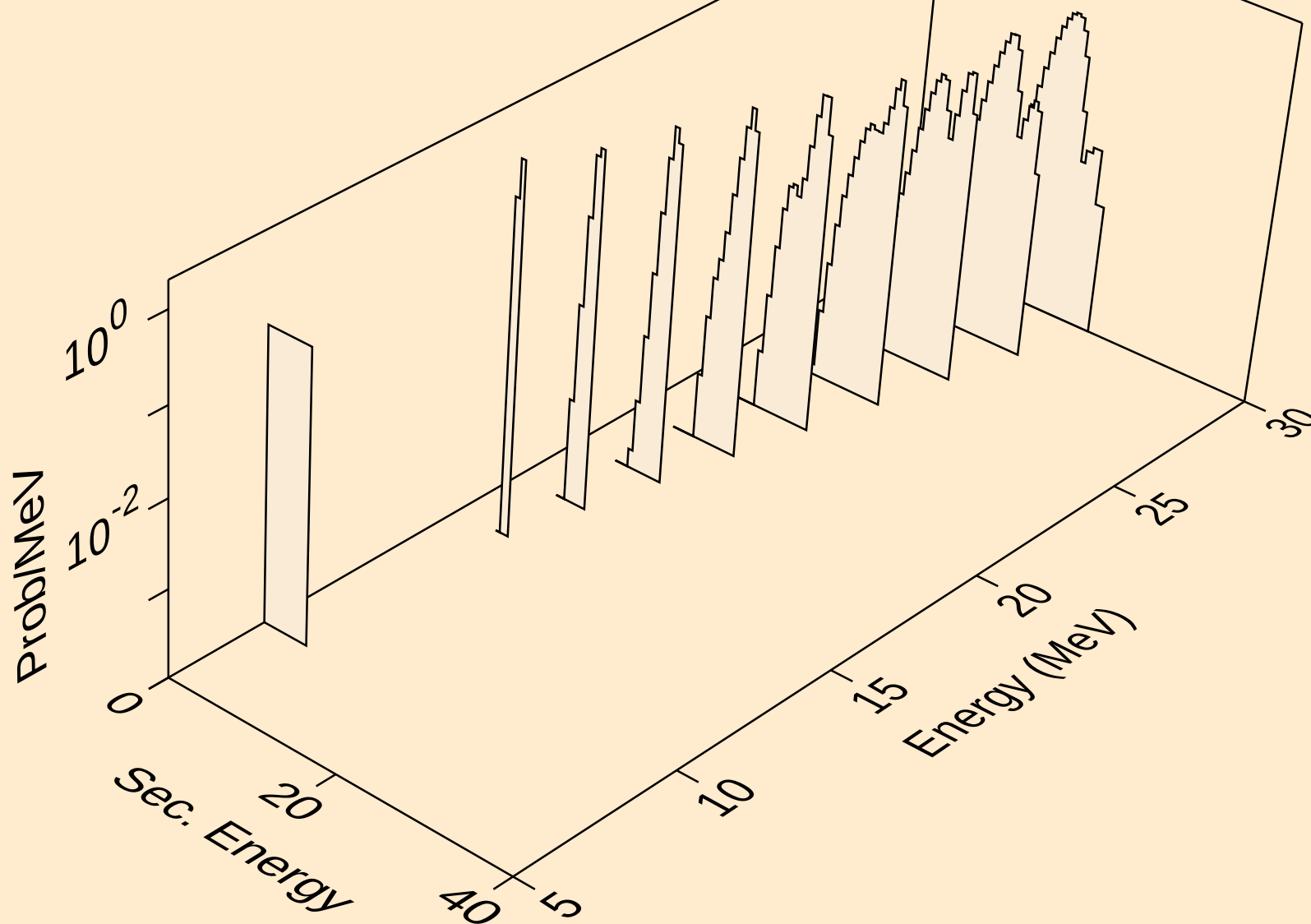
ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (p,he3)



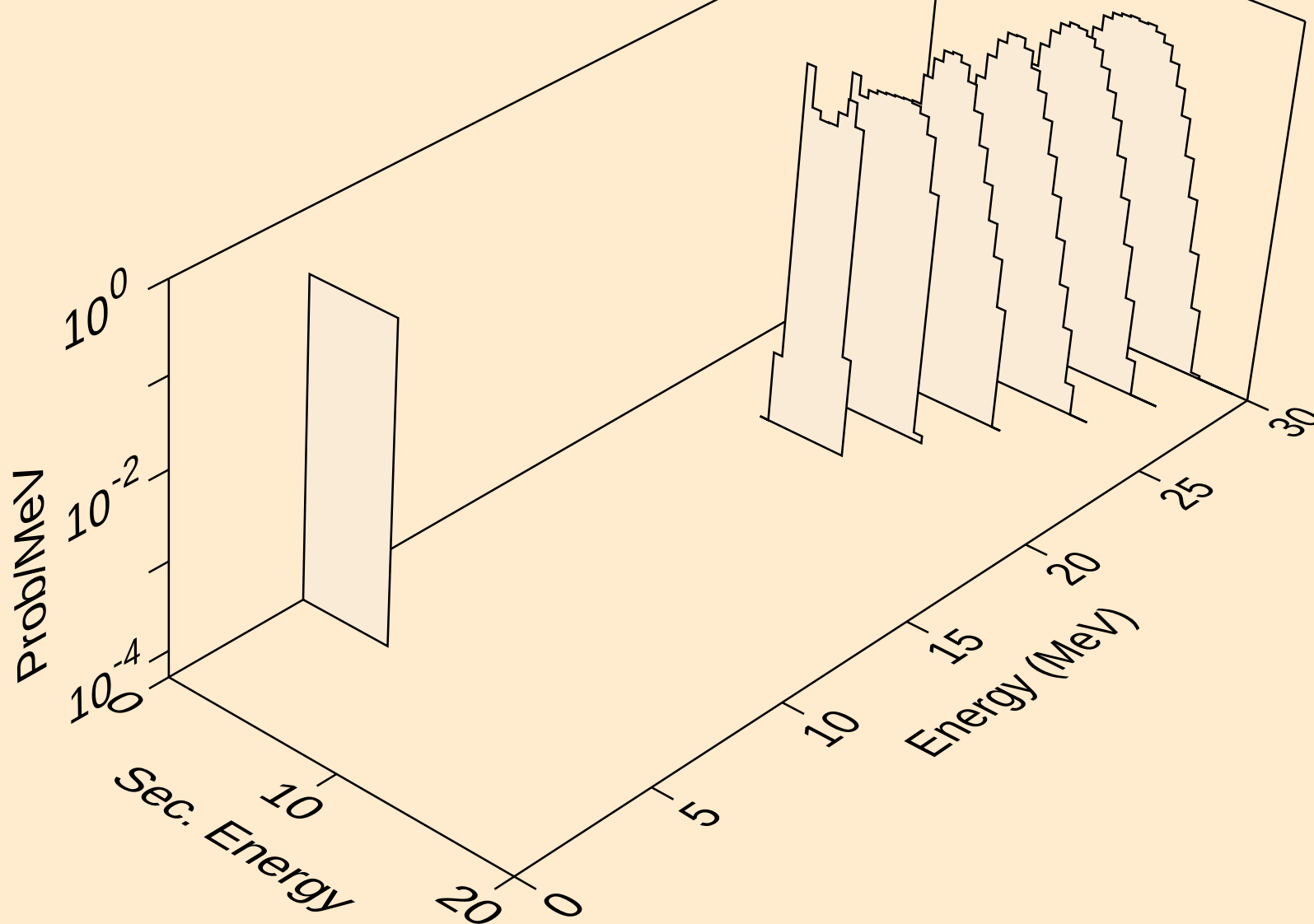
ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,x)



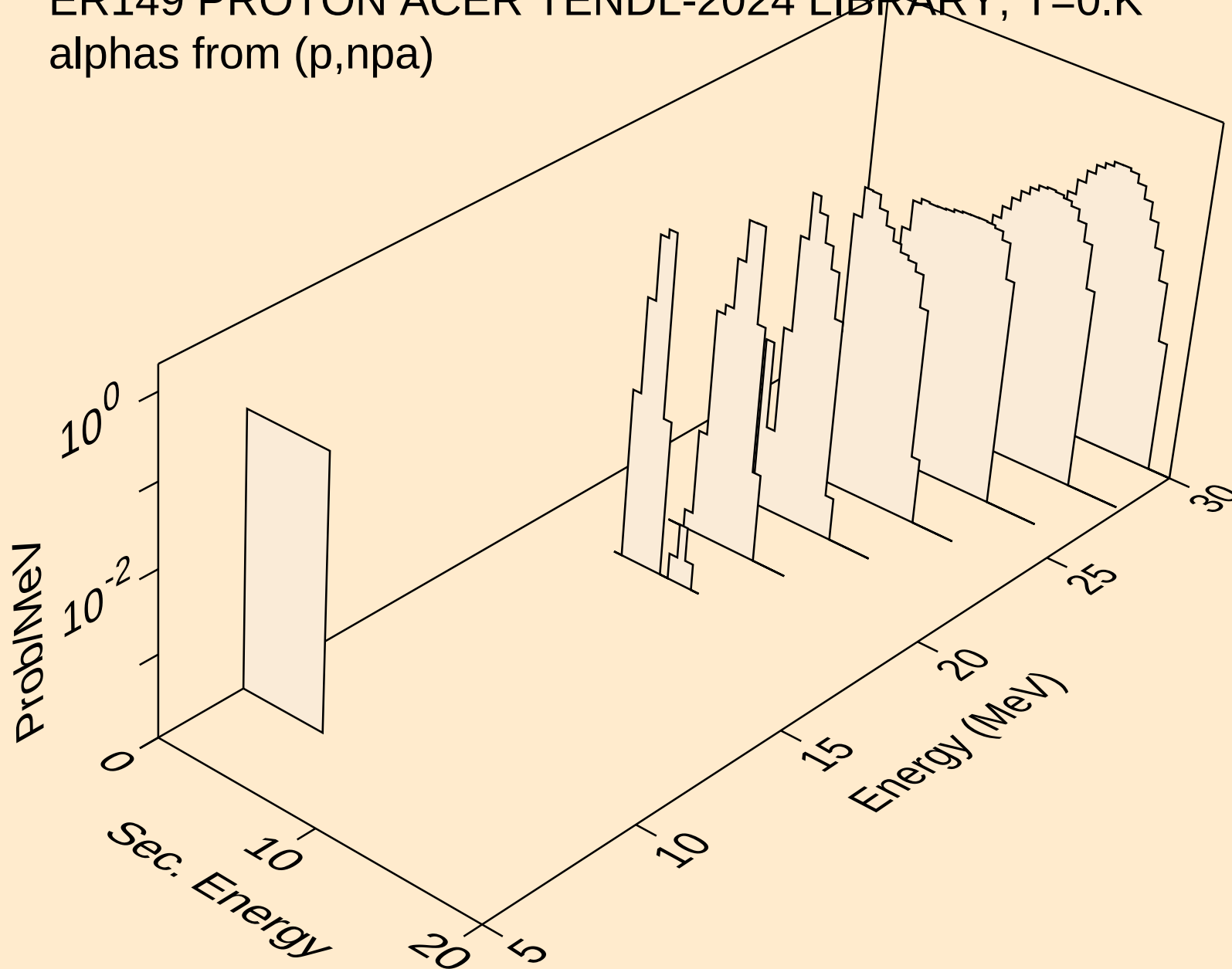
ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,n\*)a



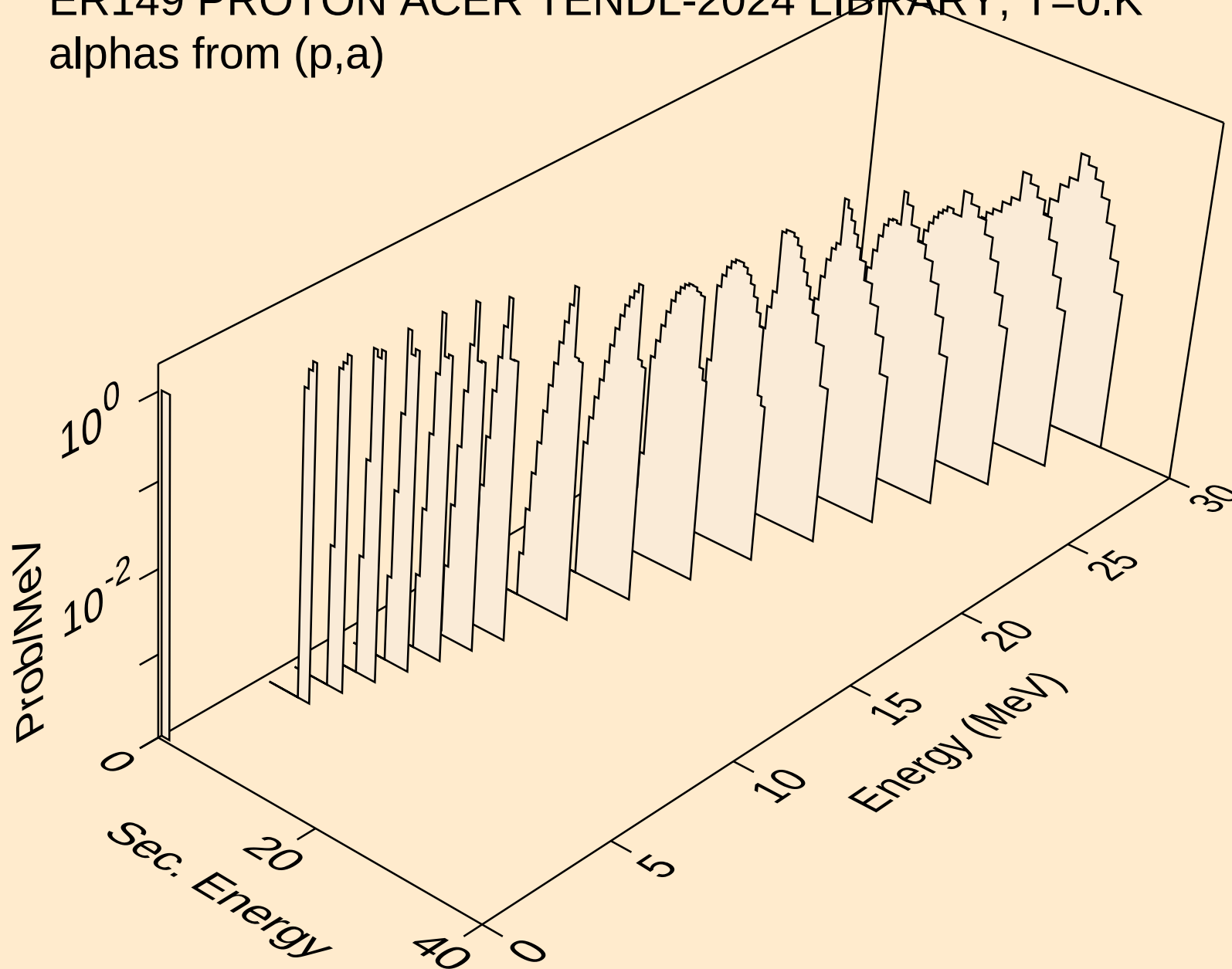
ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,n\*)2a



ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,npa)

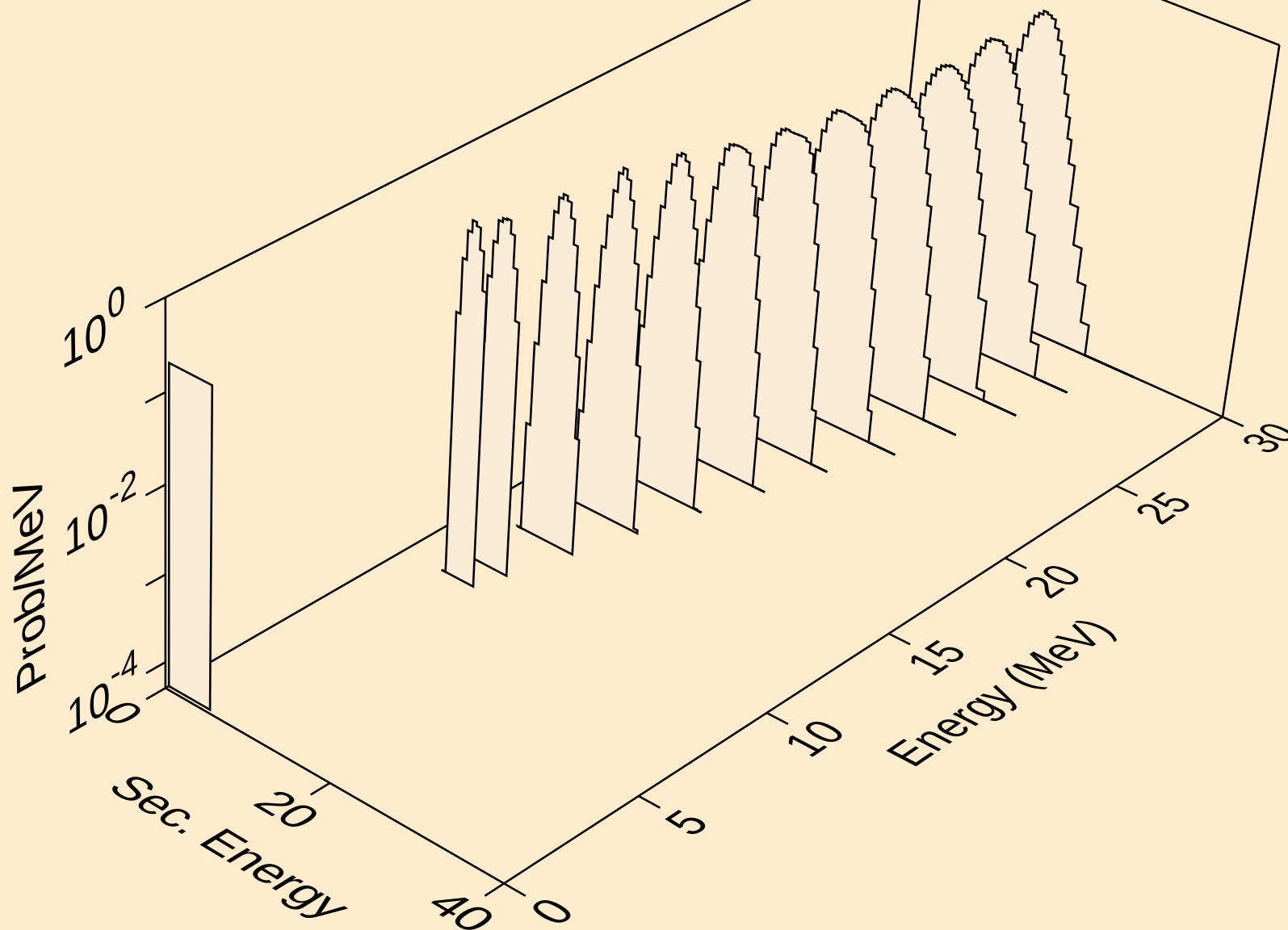


ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,a)

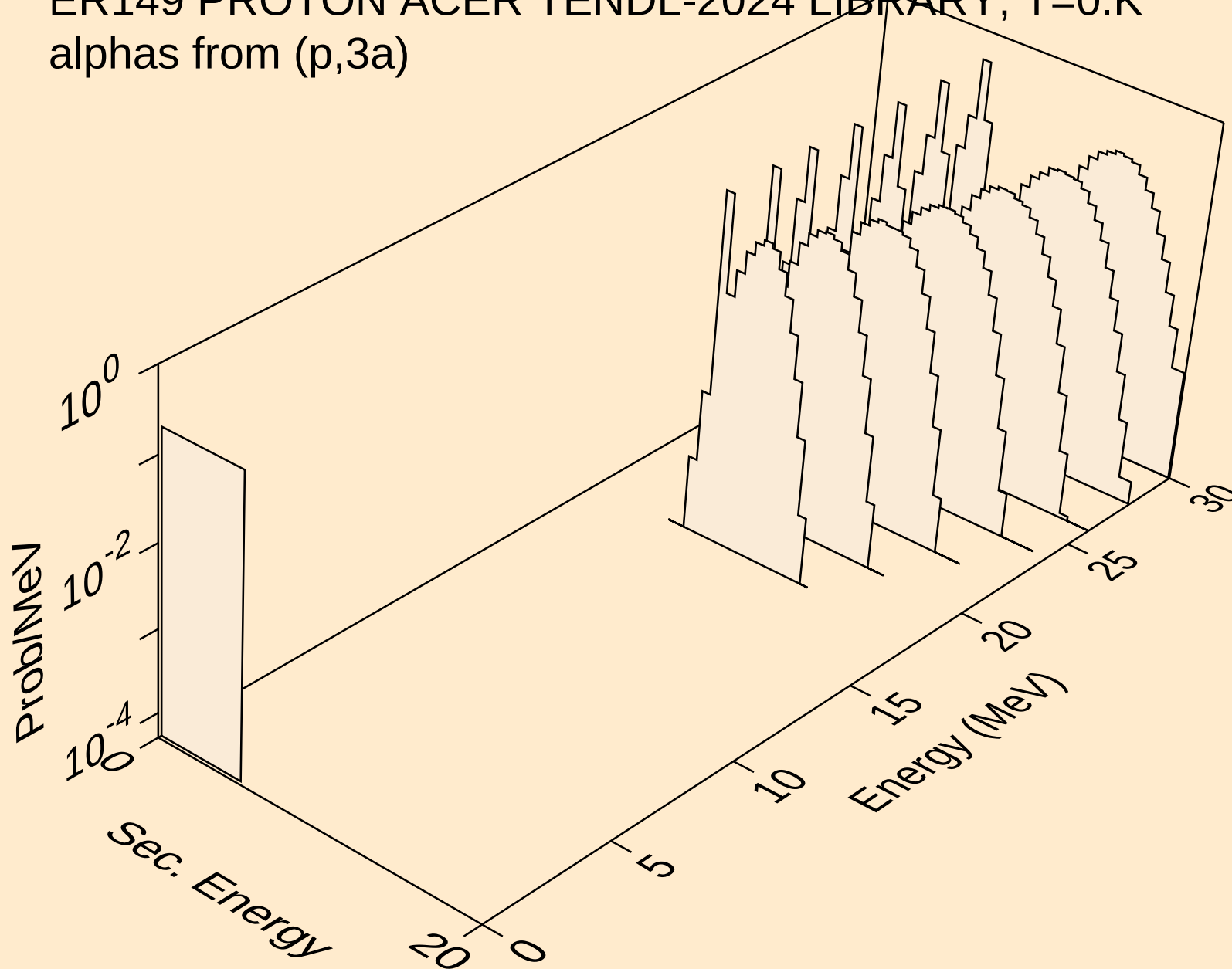




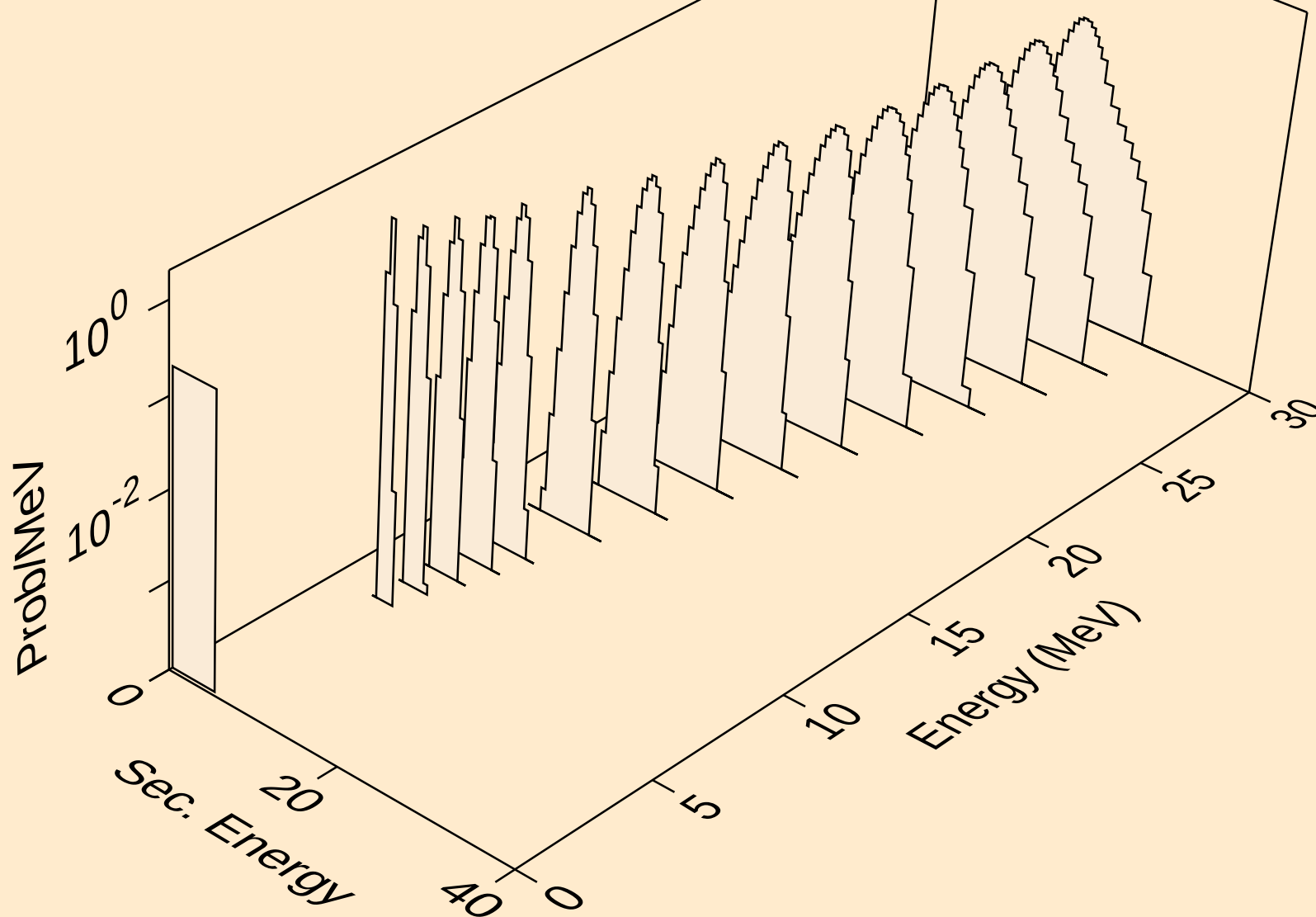
ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,2a)



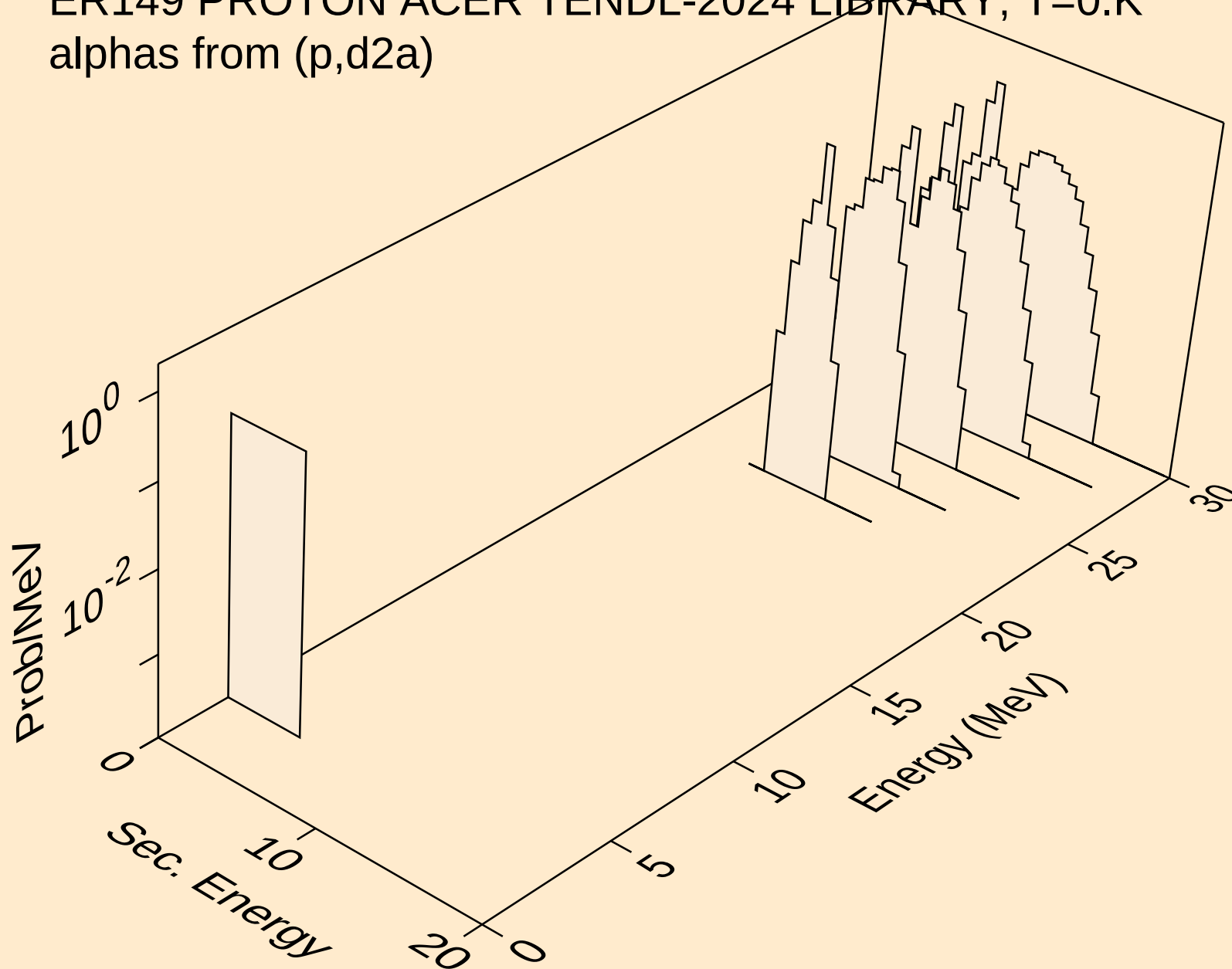
ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,3a)



ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,pa)



ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,d2a)



ER149 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,da)

