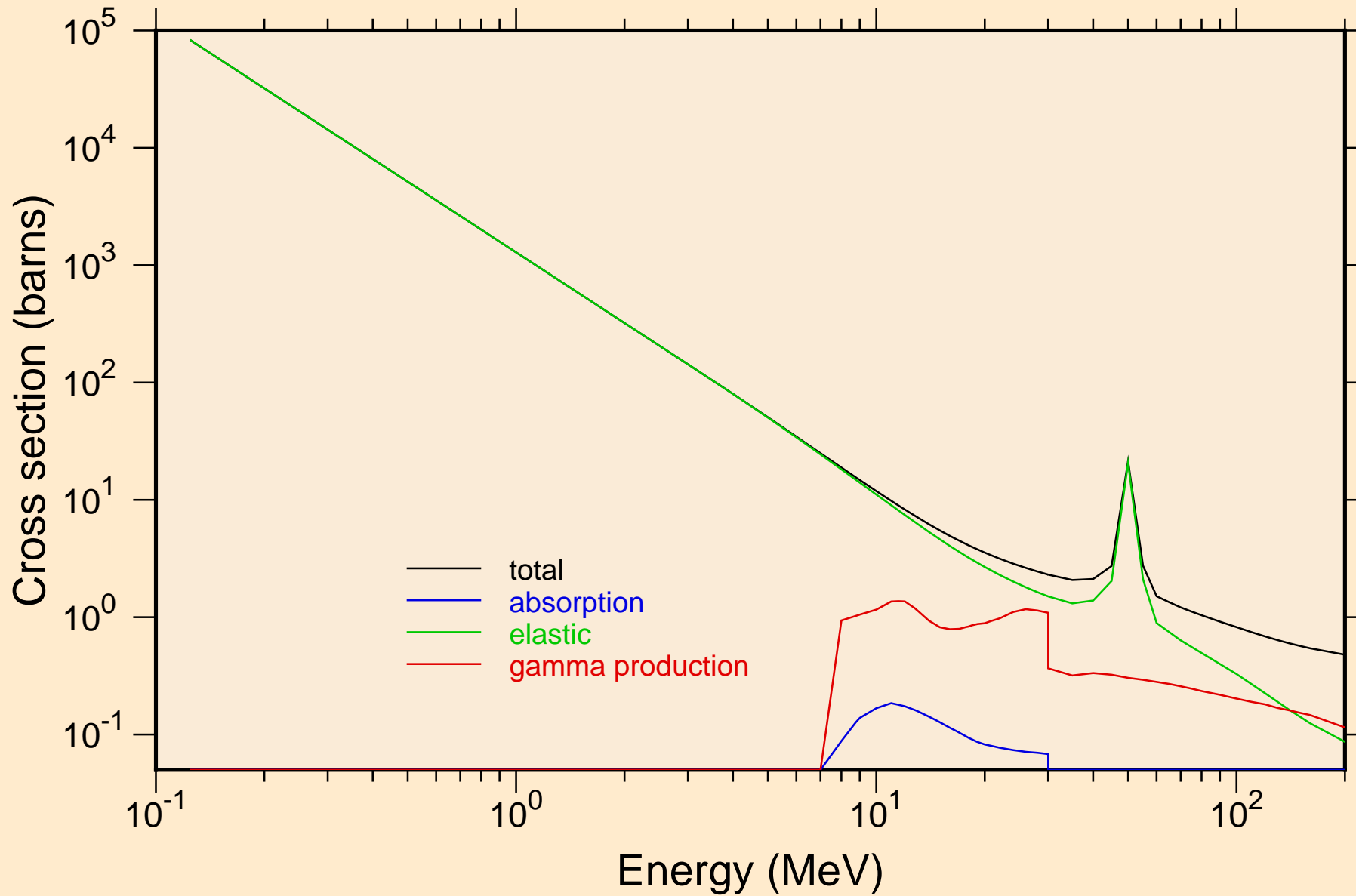


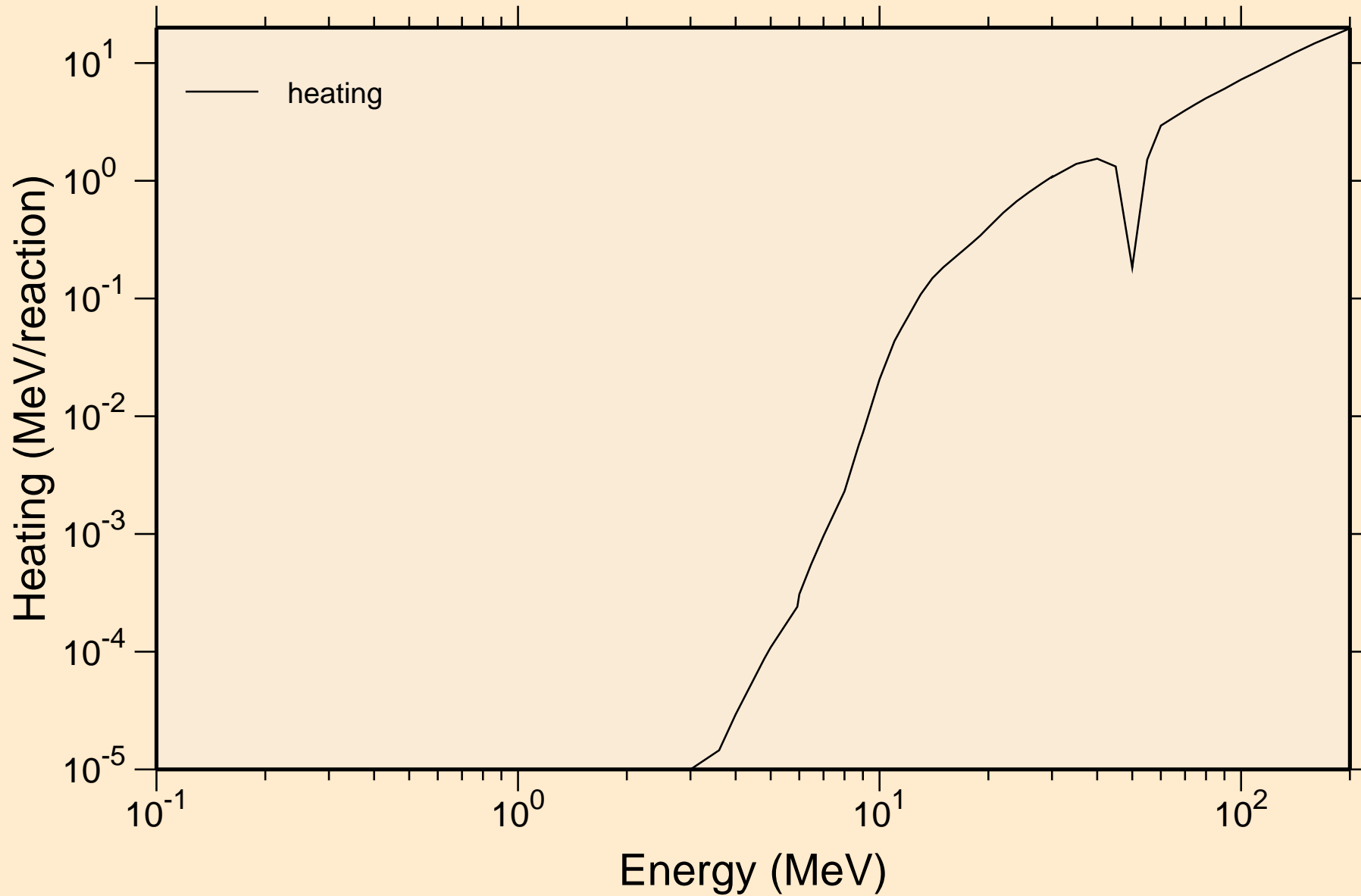
# SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



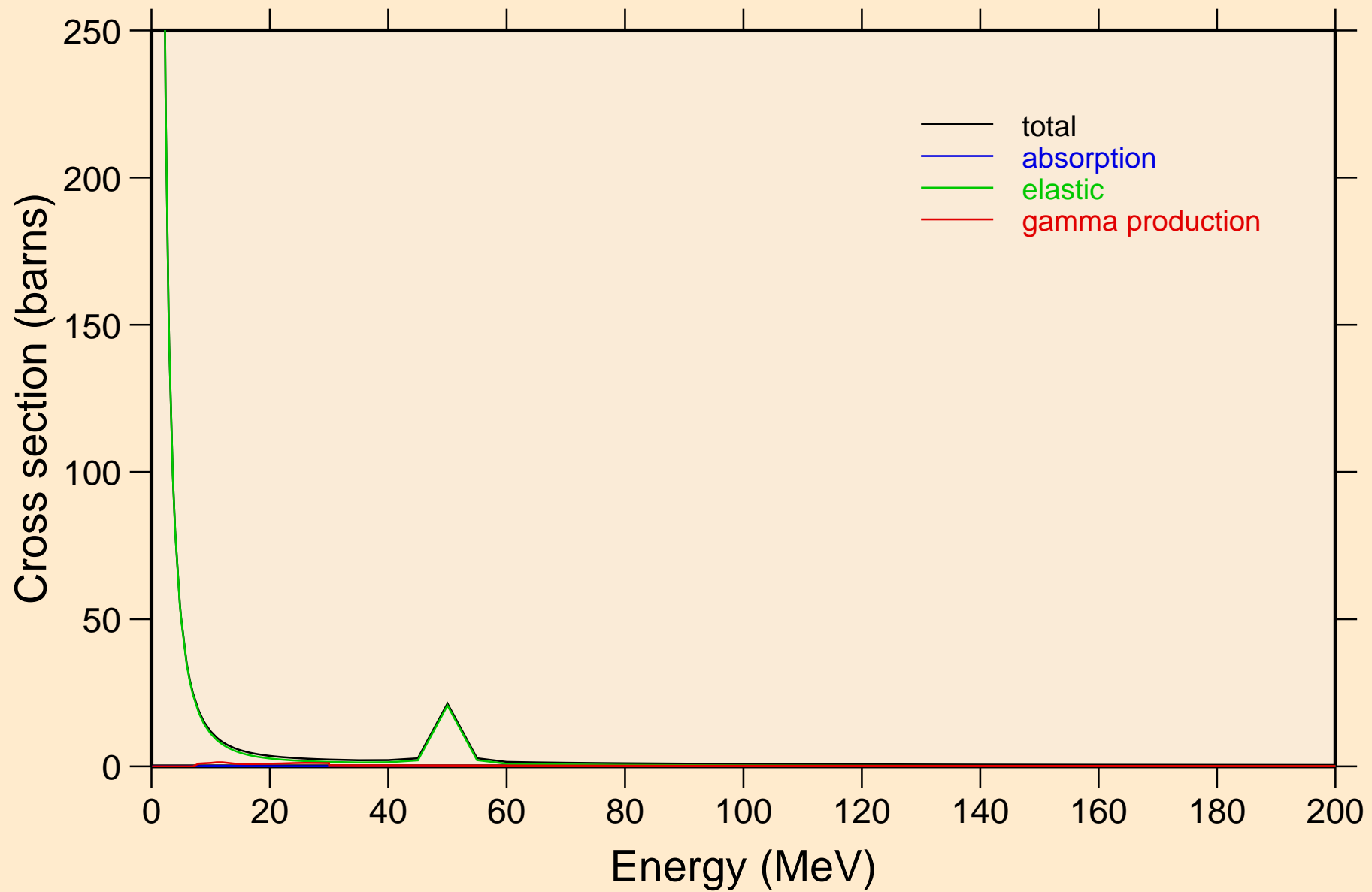
# SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



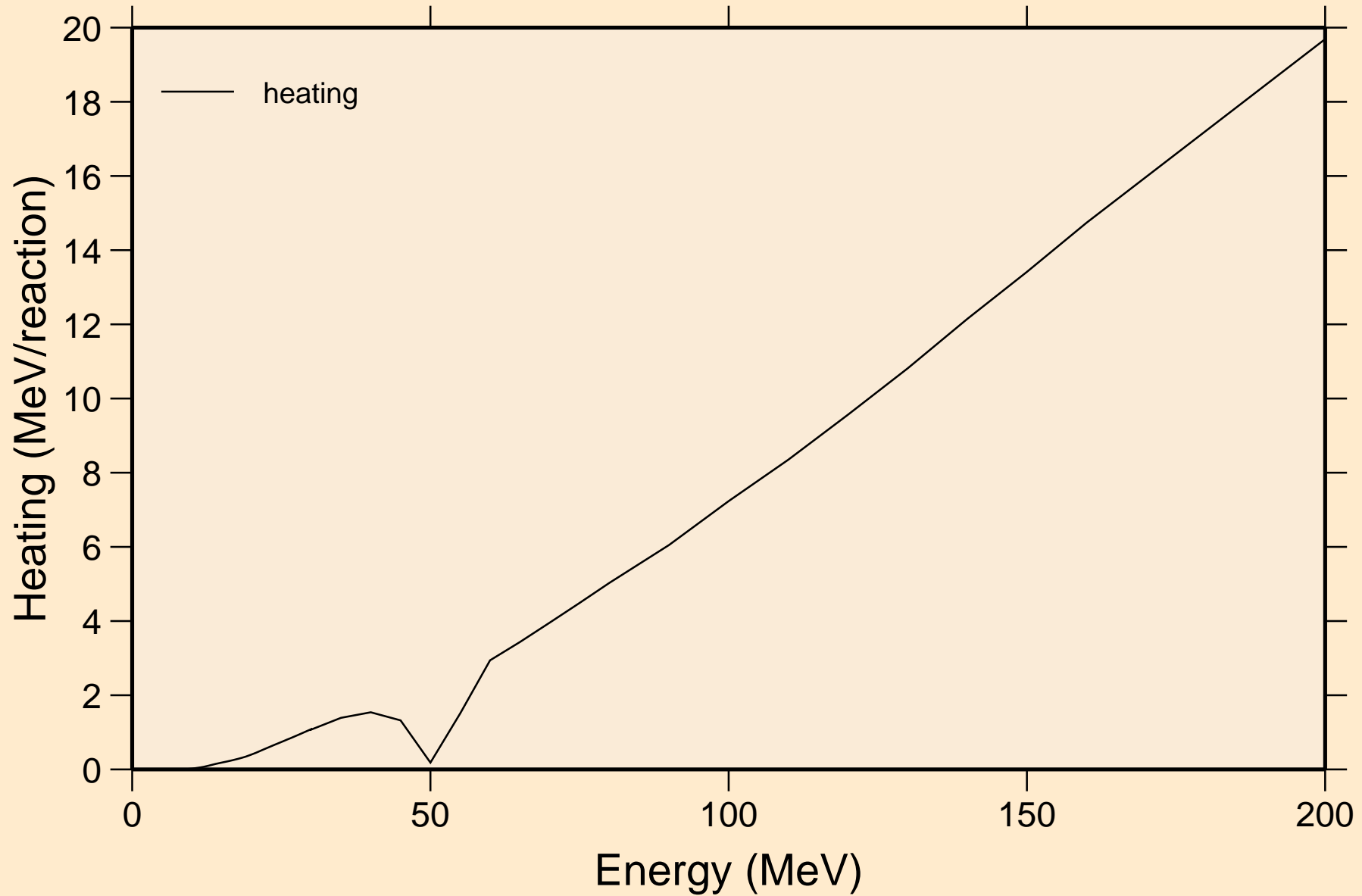
# SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



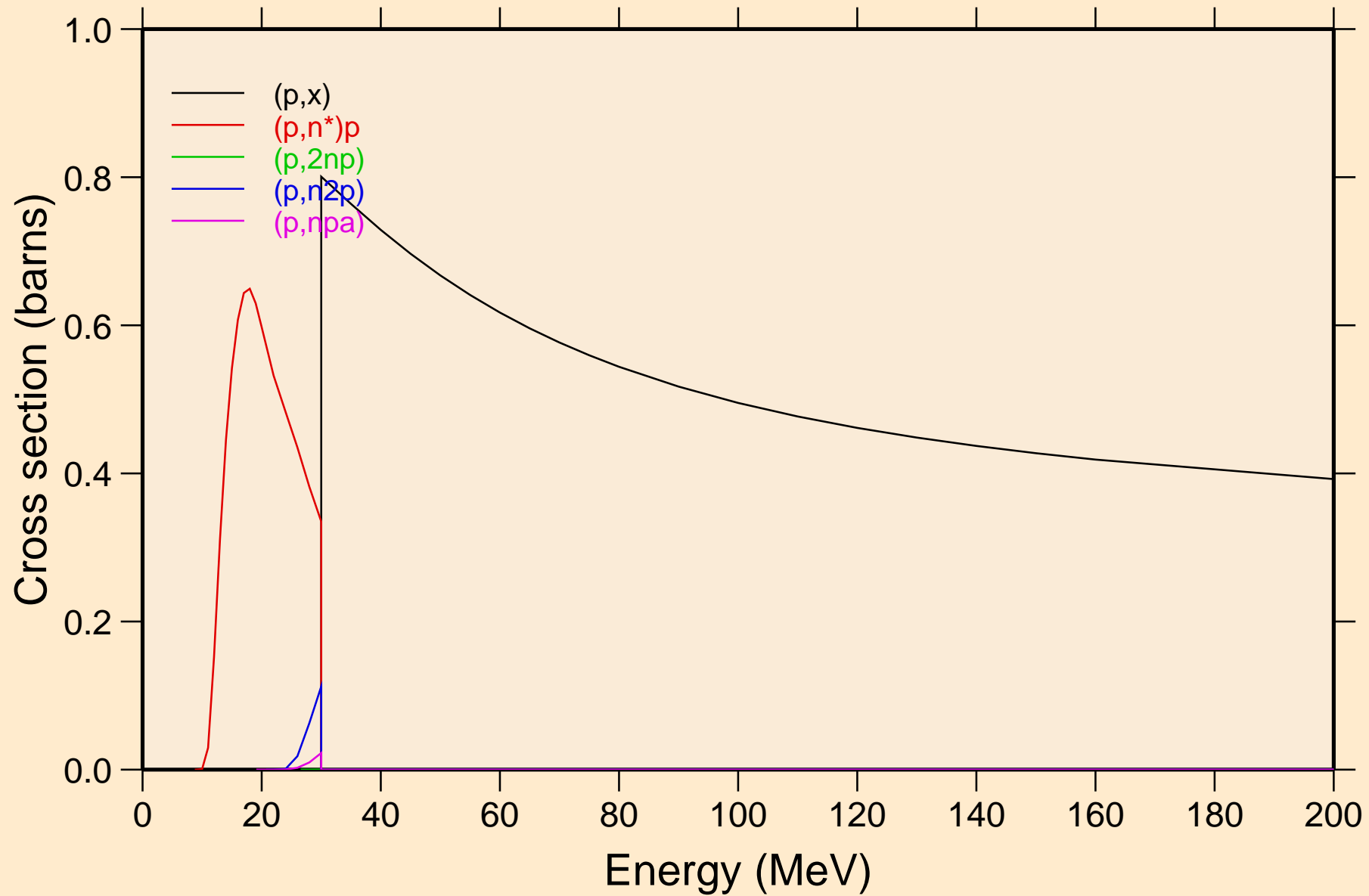
# SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

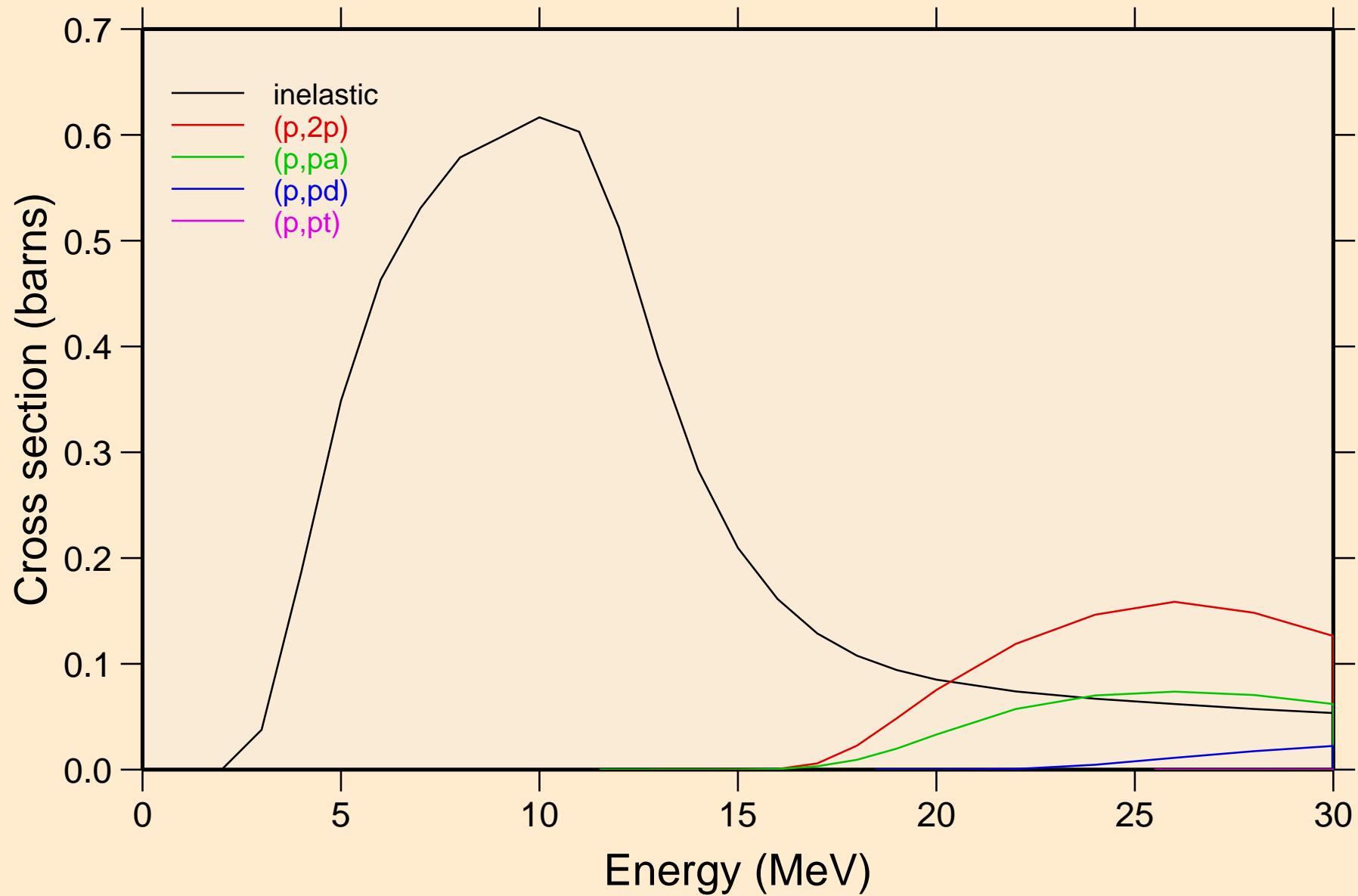


# SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K

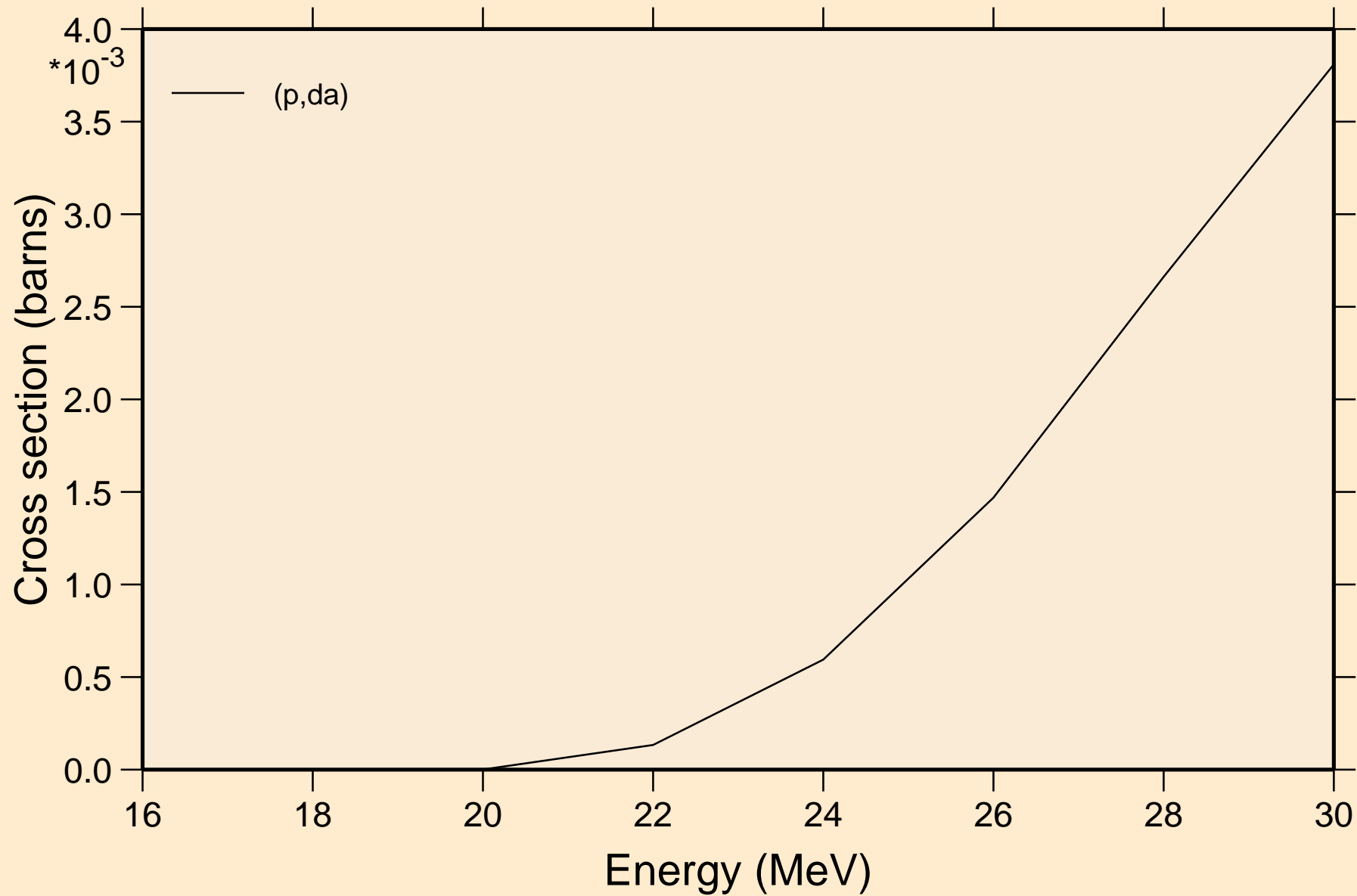
## Threshold reactions



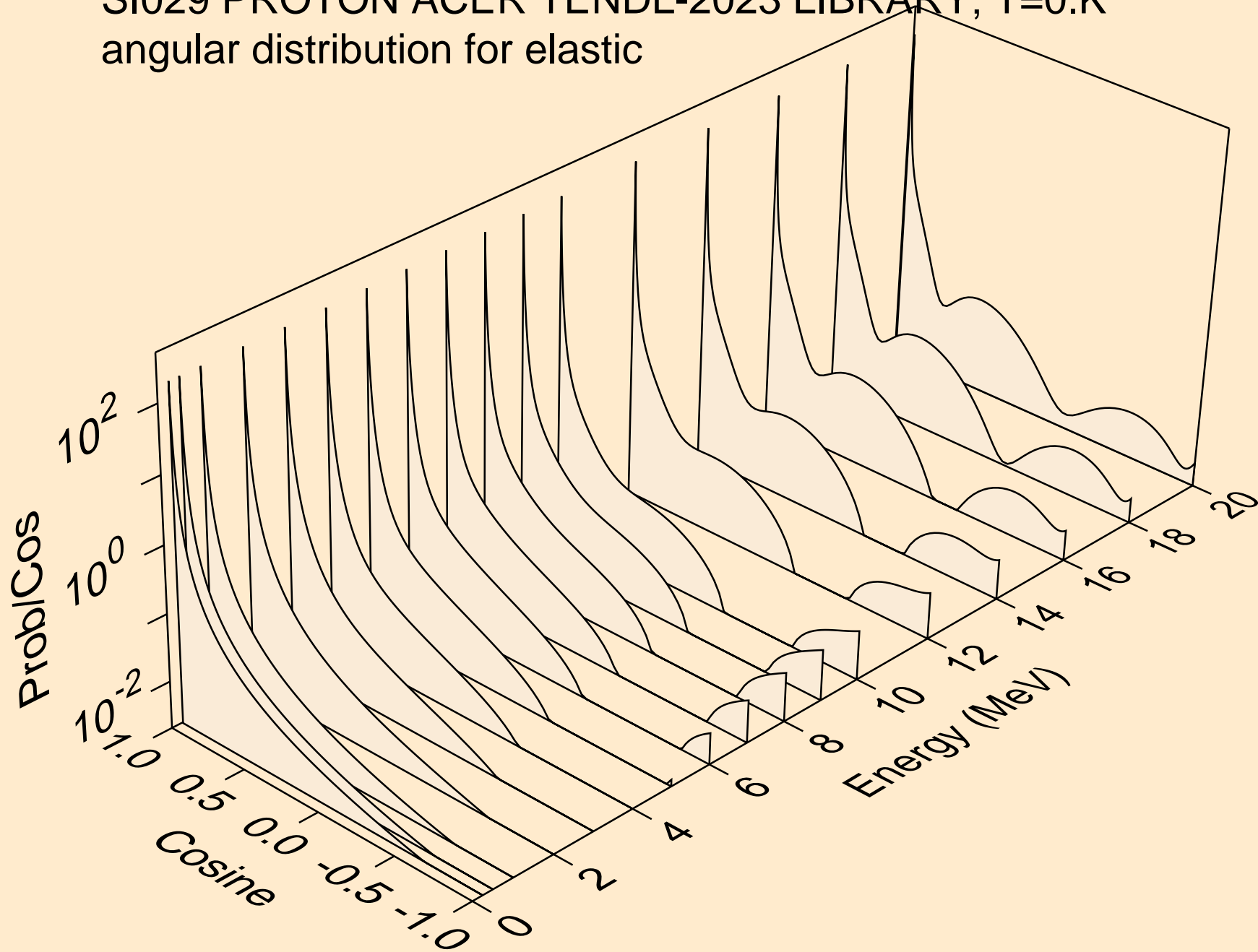
SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

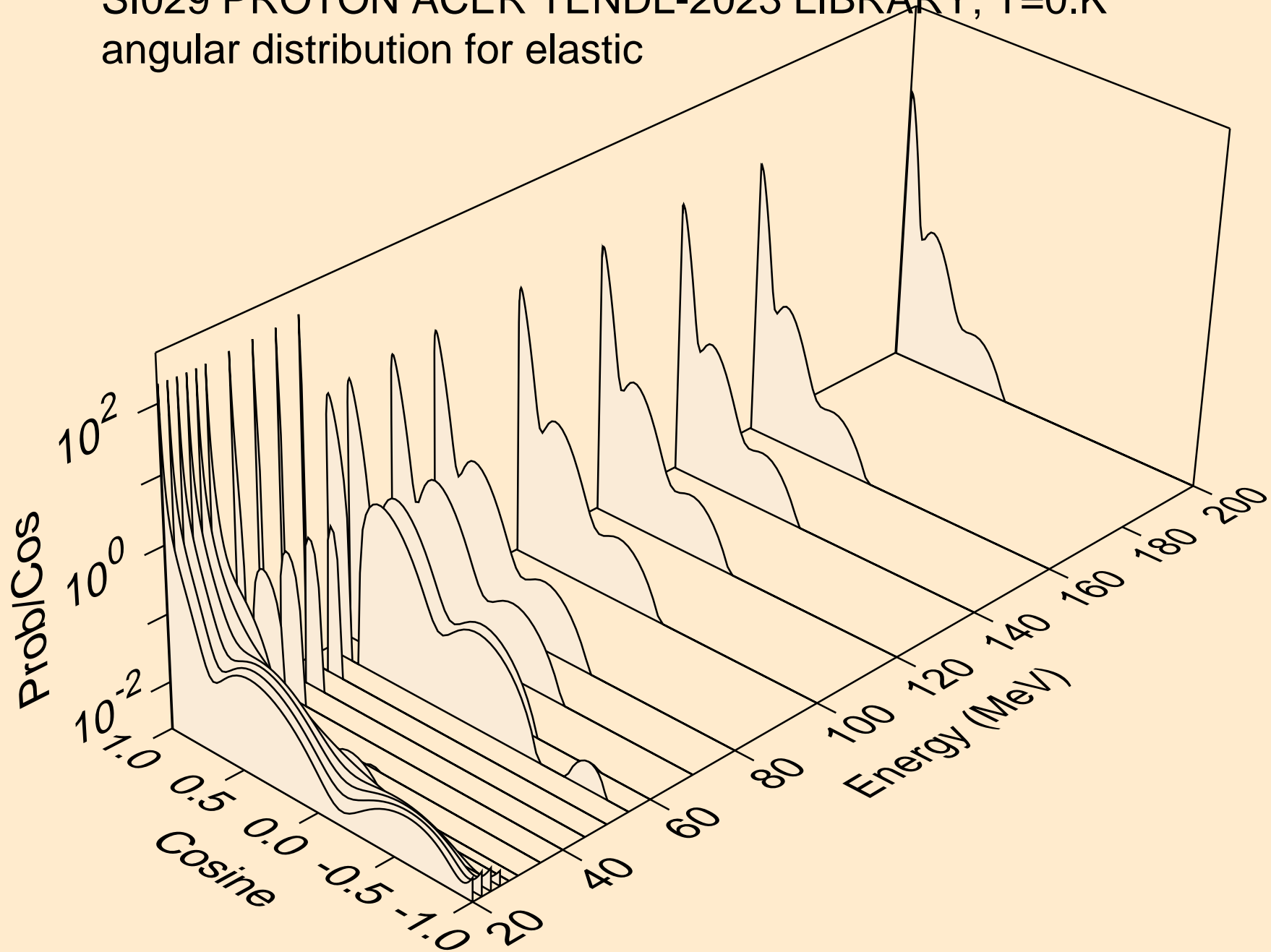


SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

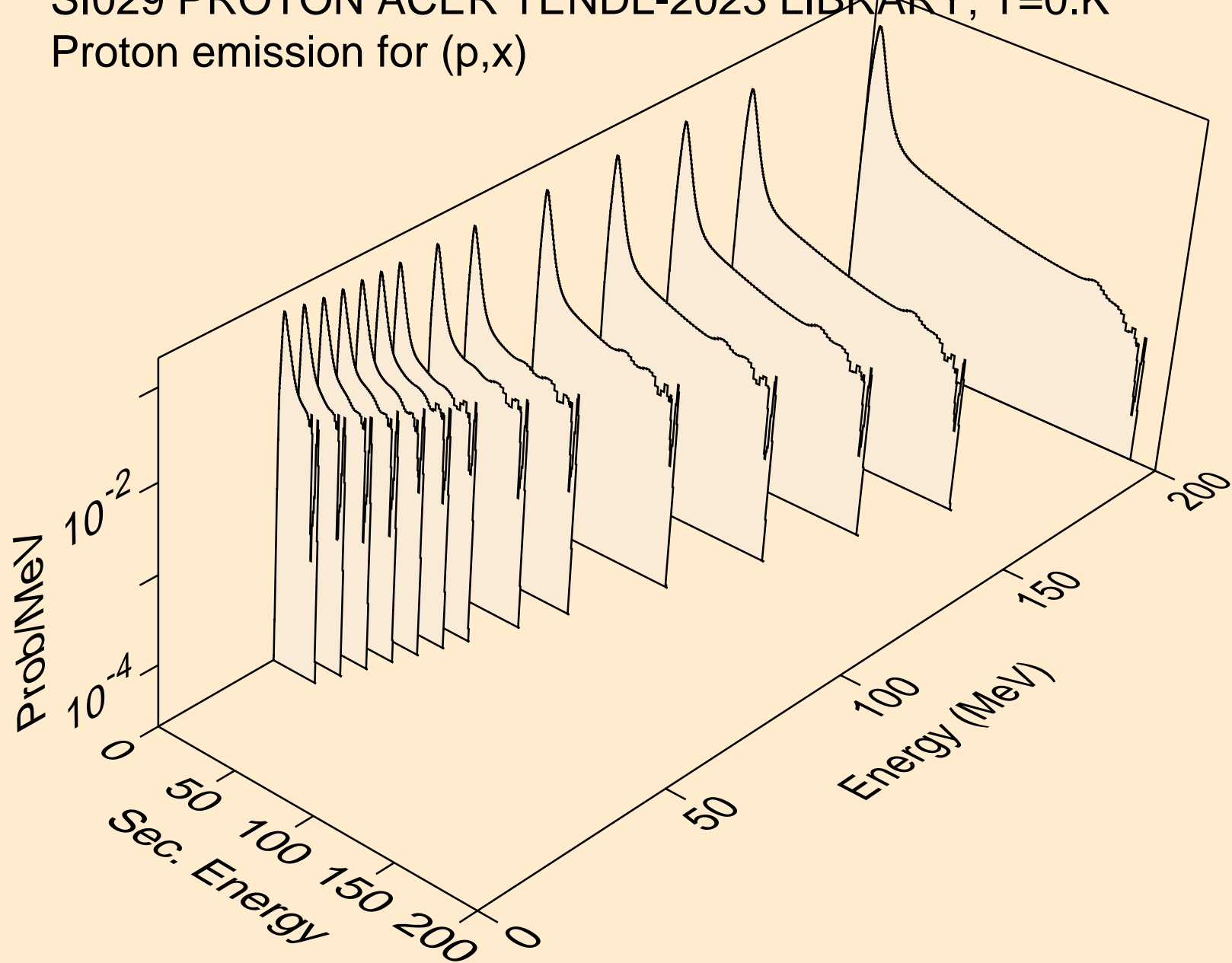




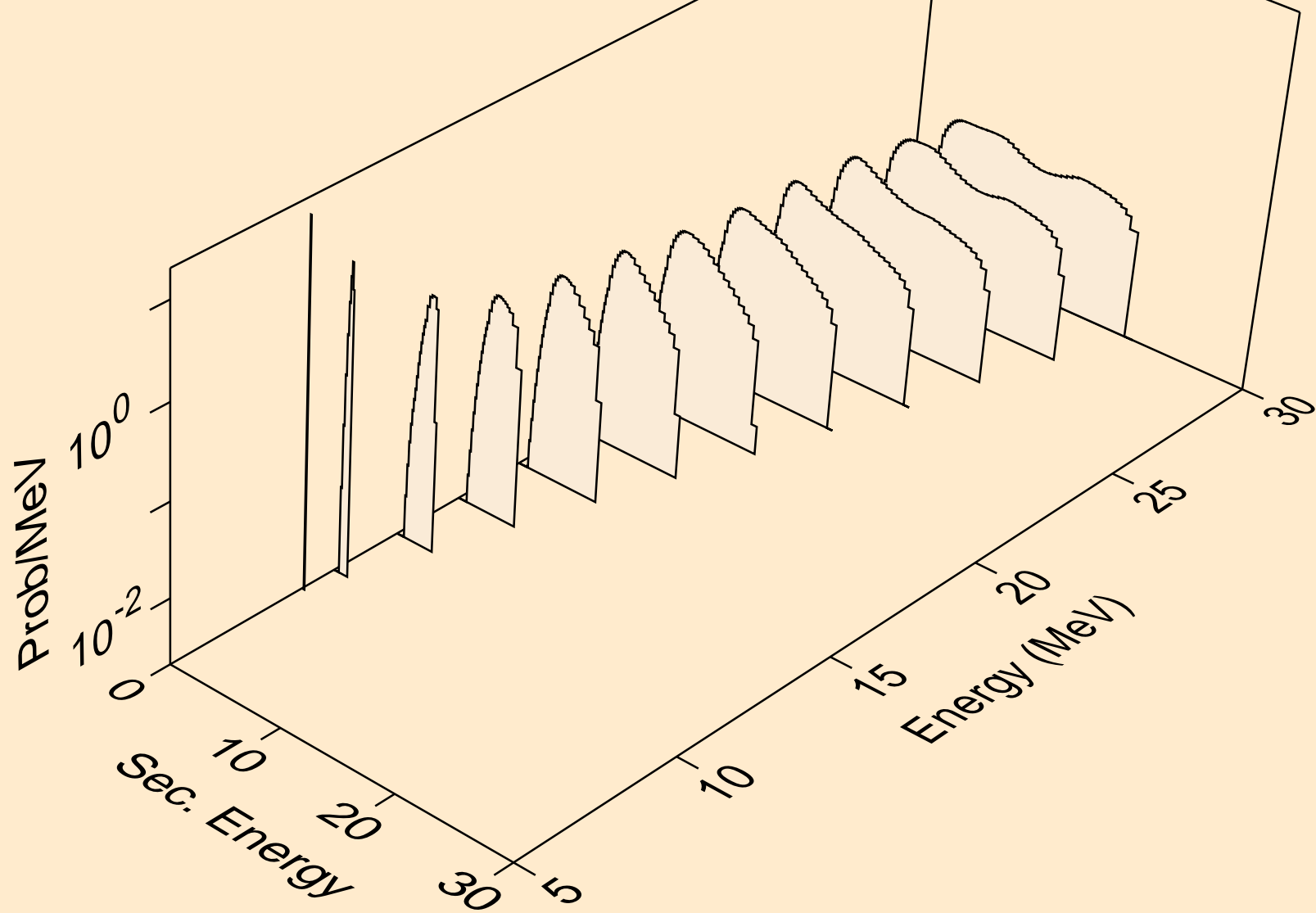
SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



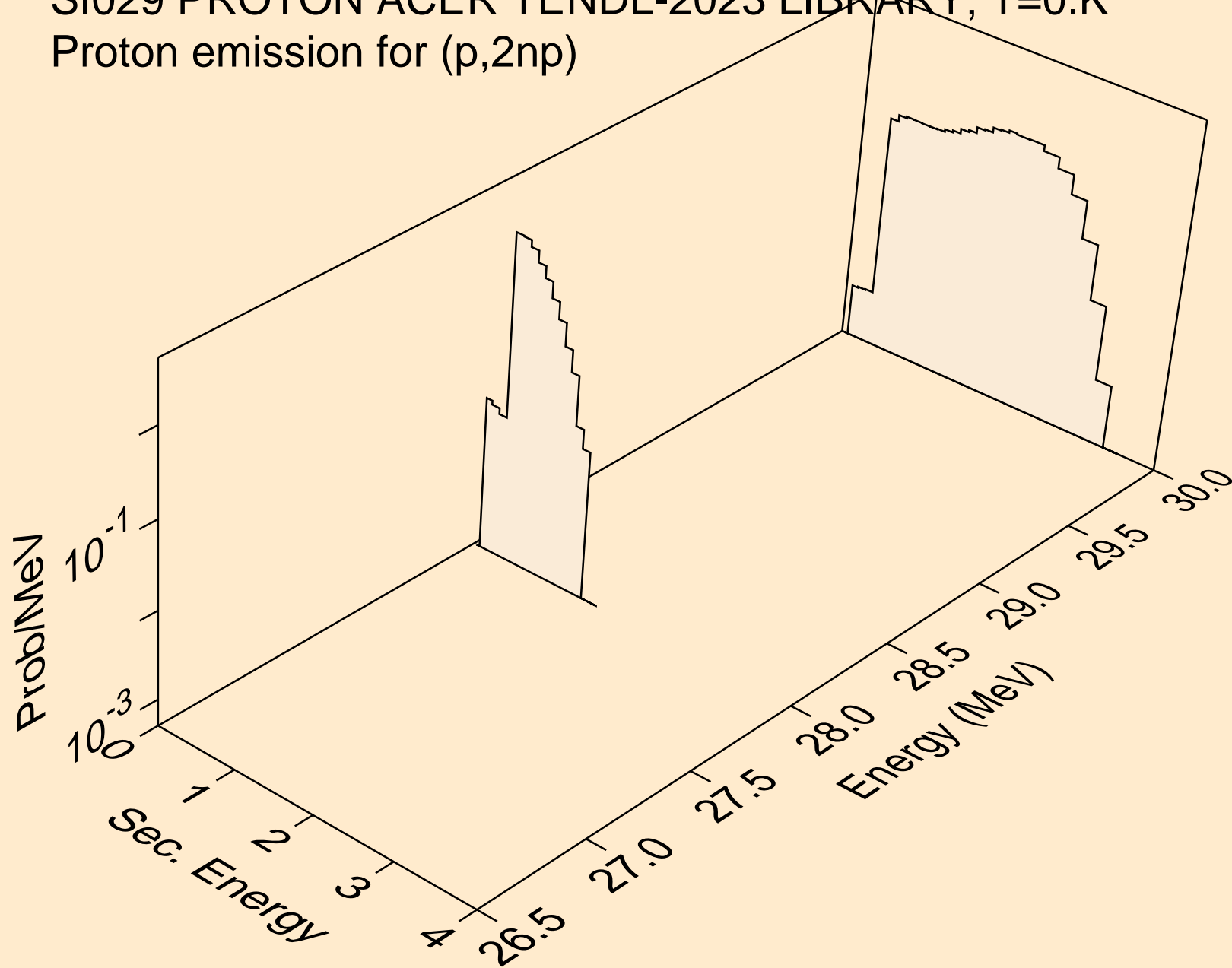
SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)



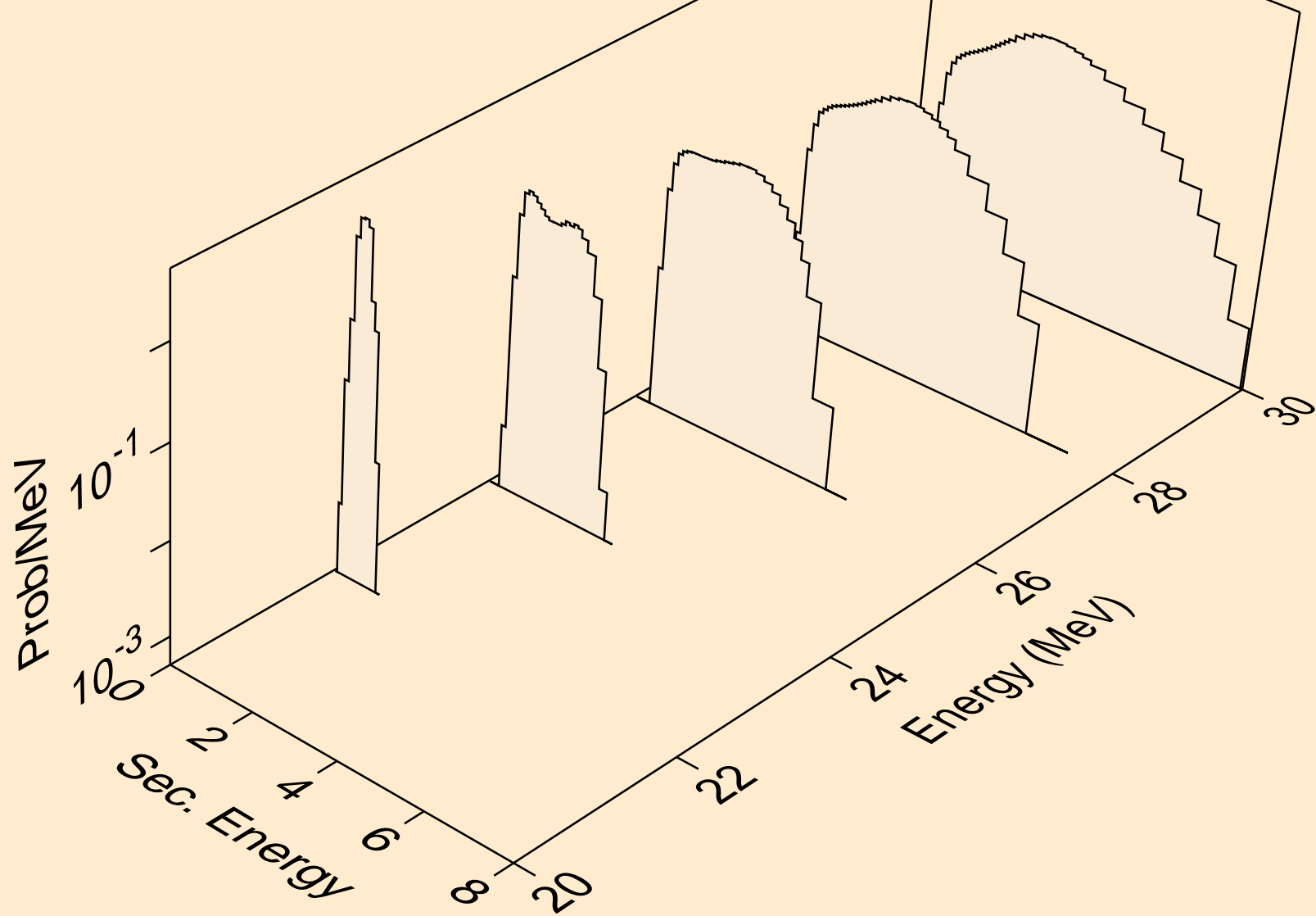
SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



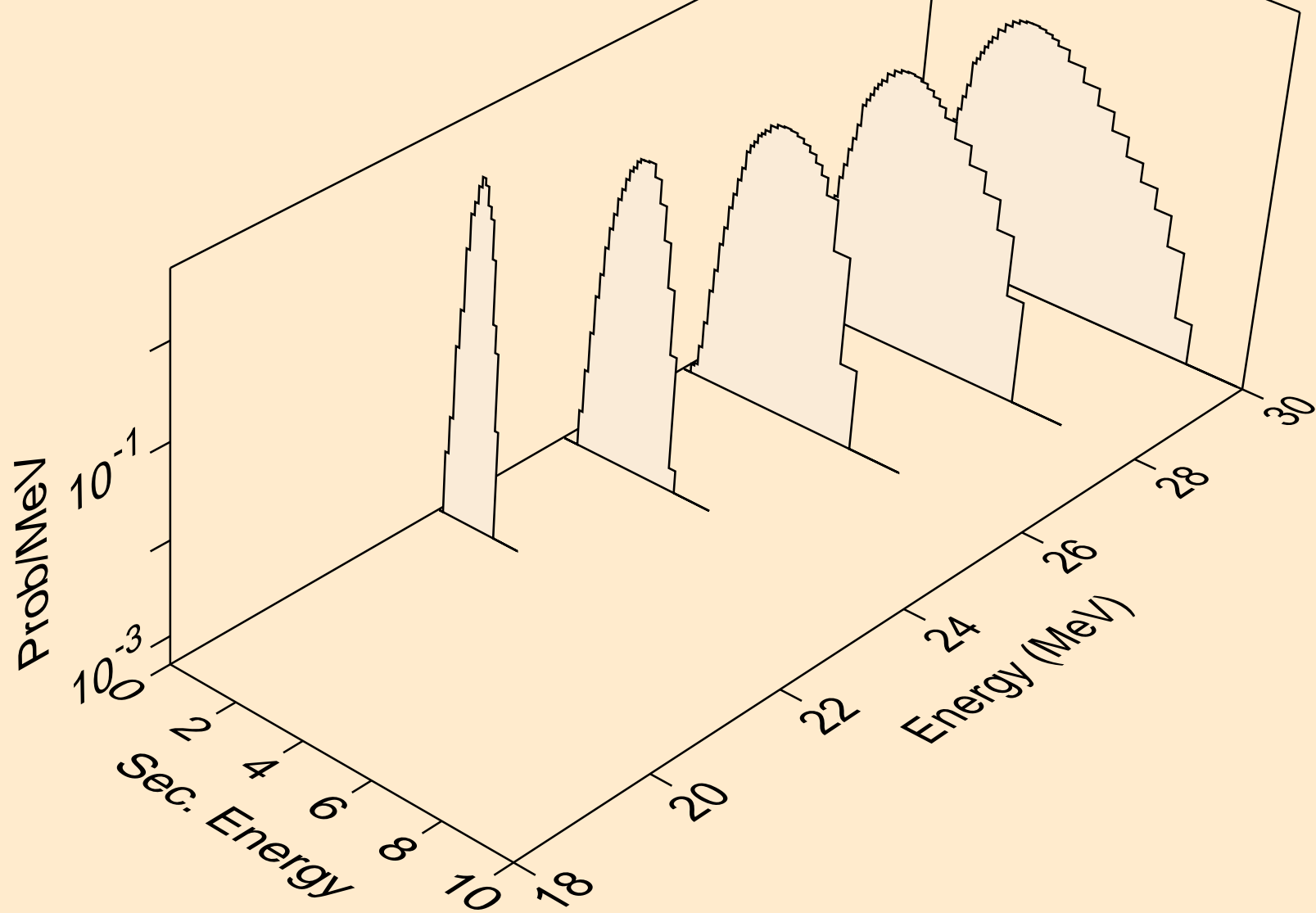
SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



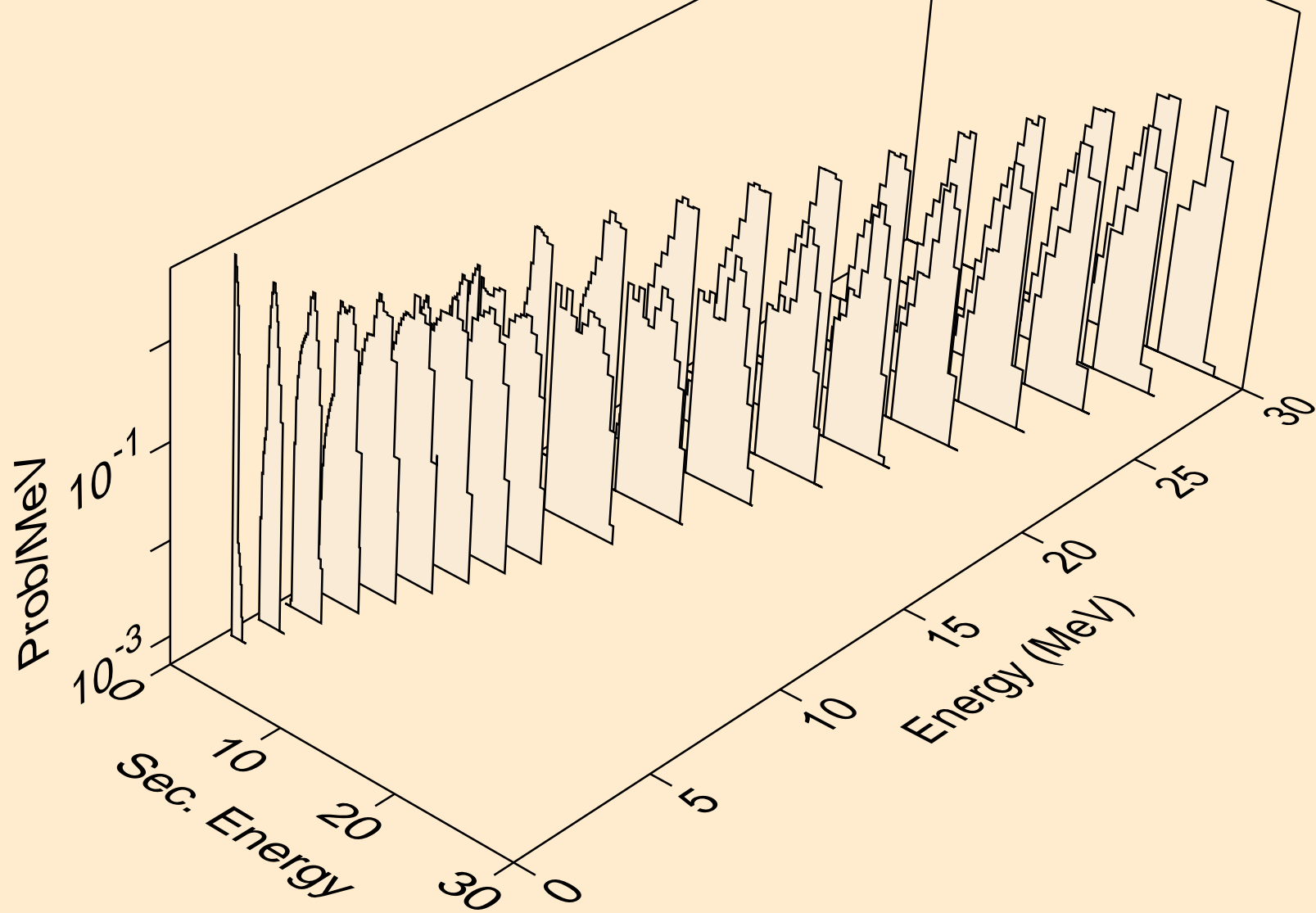
SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n2p)



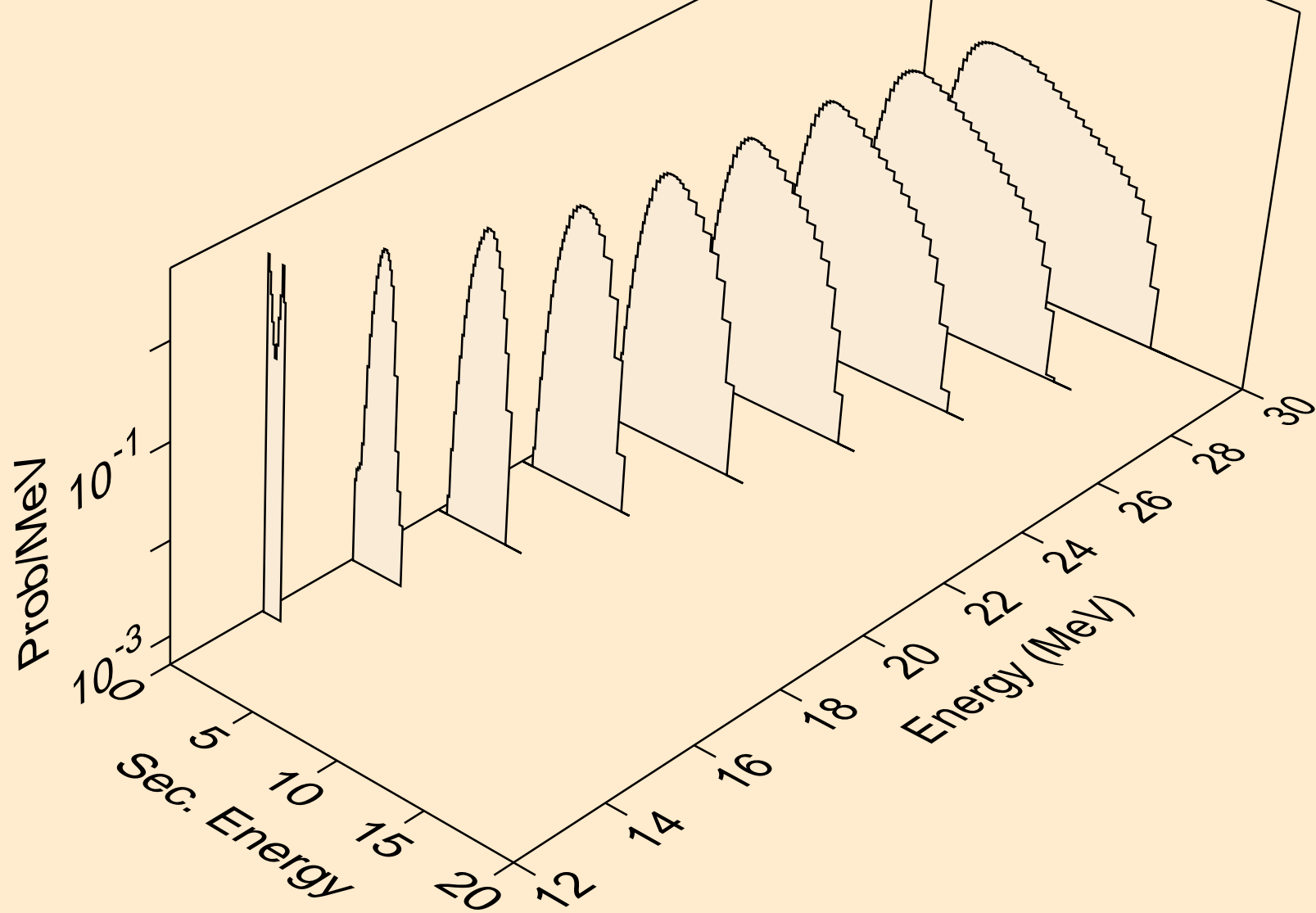
SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,npa)



SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic

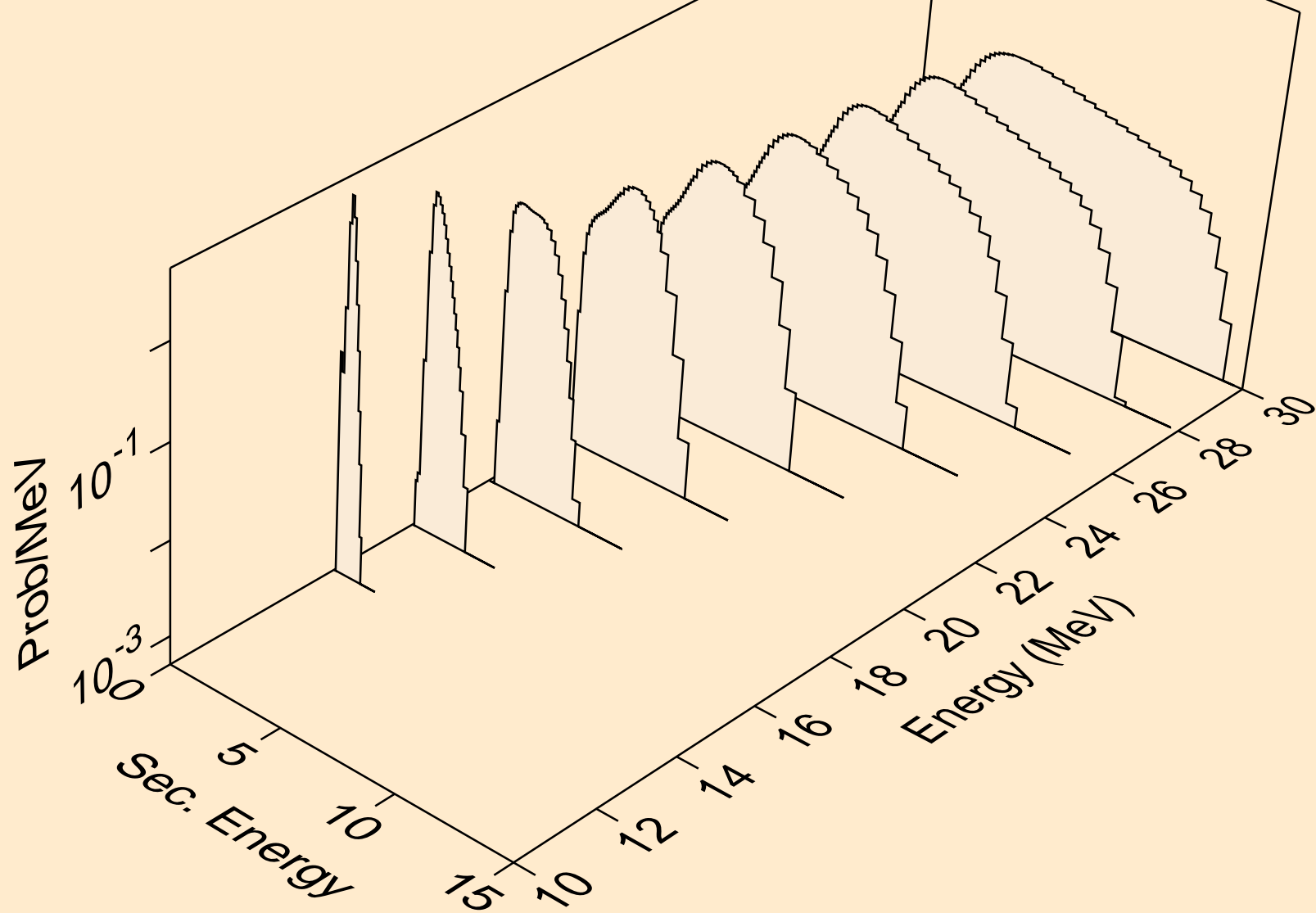


SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2p)

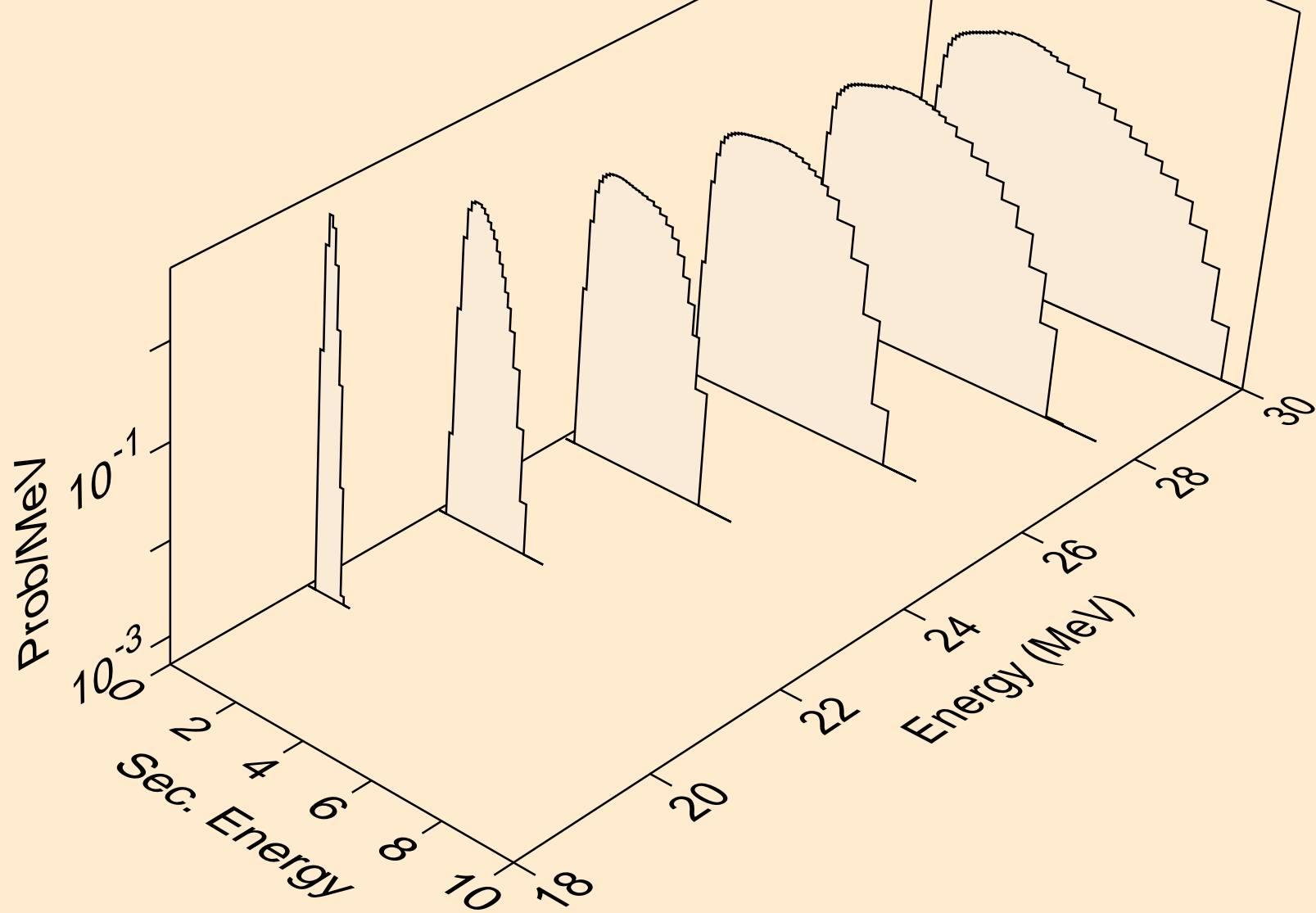




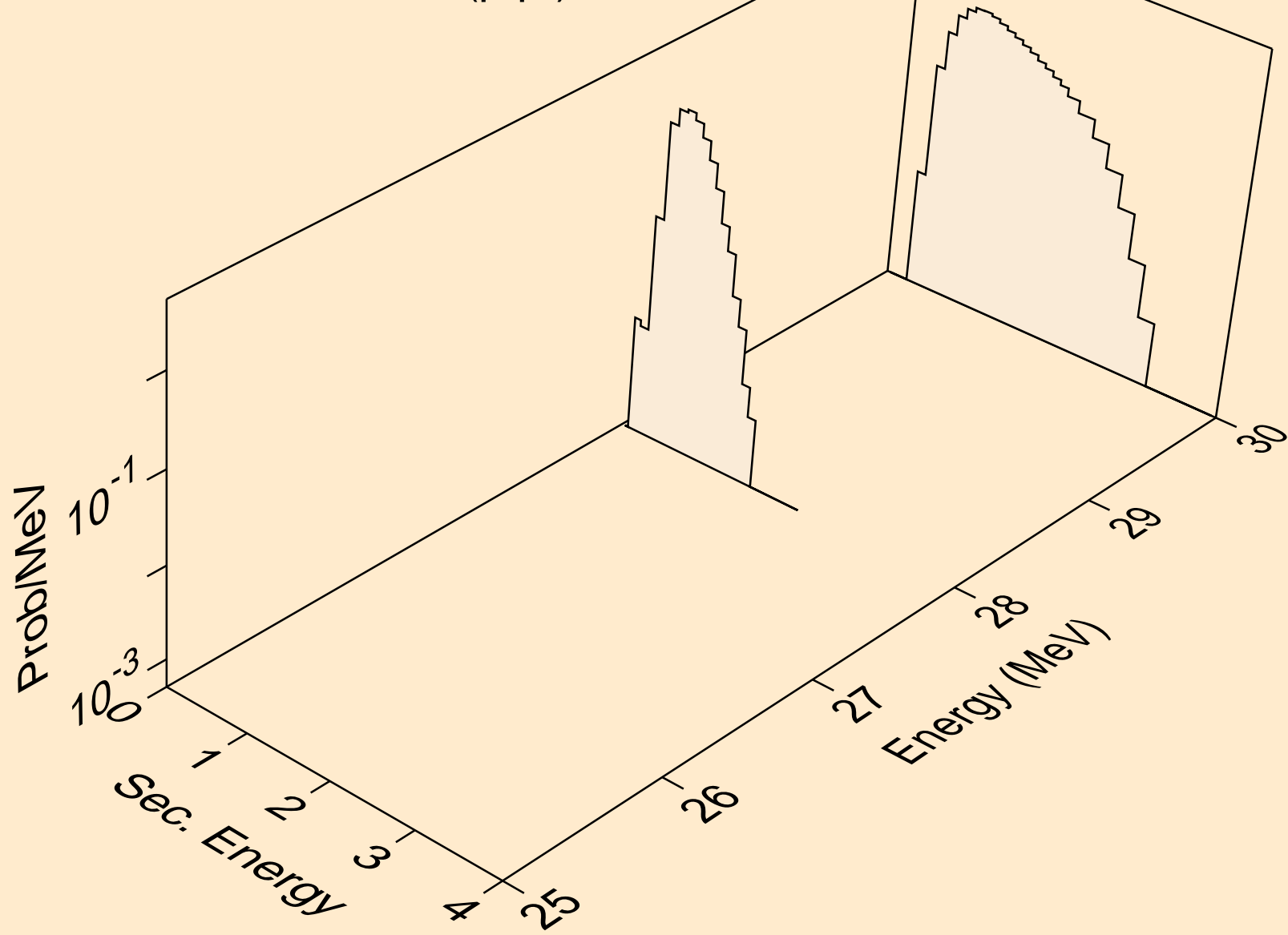
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Proton emission for (p,pa)



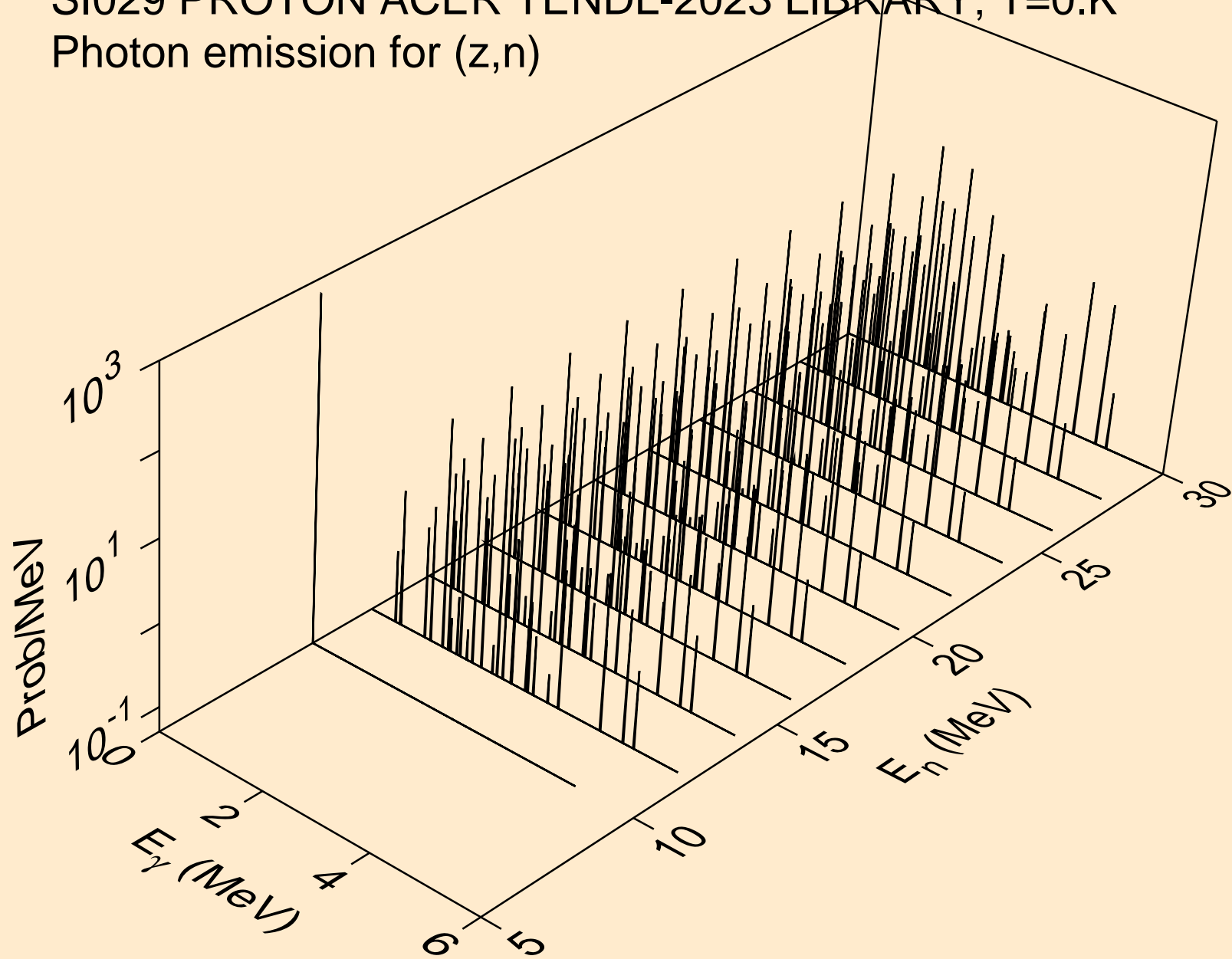
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Proton emission for (p,pd)



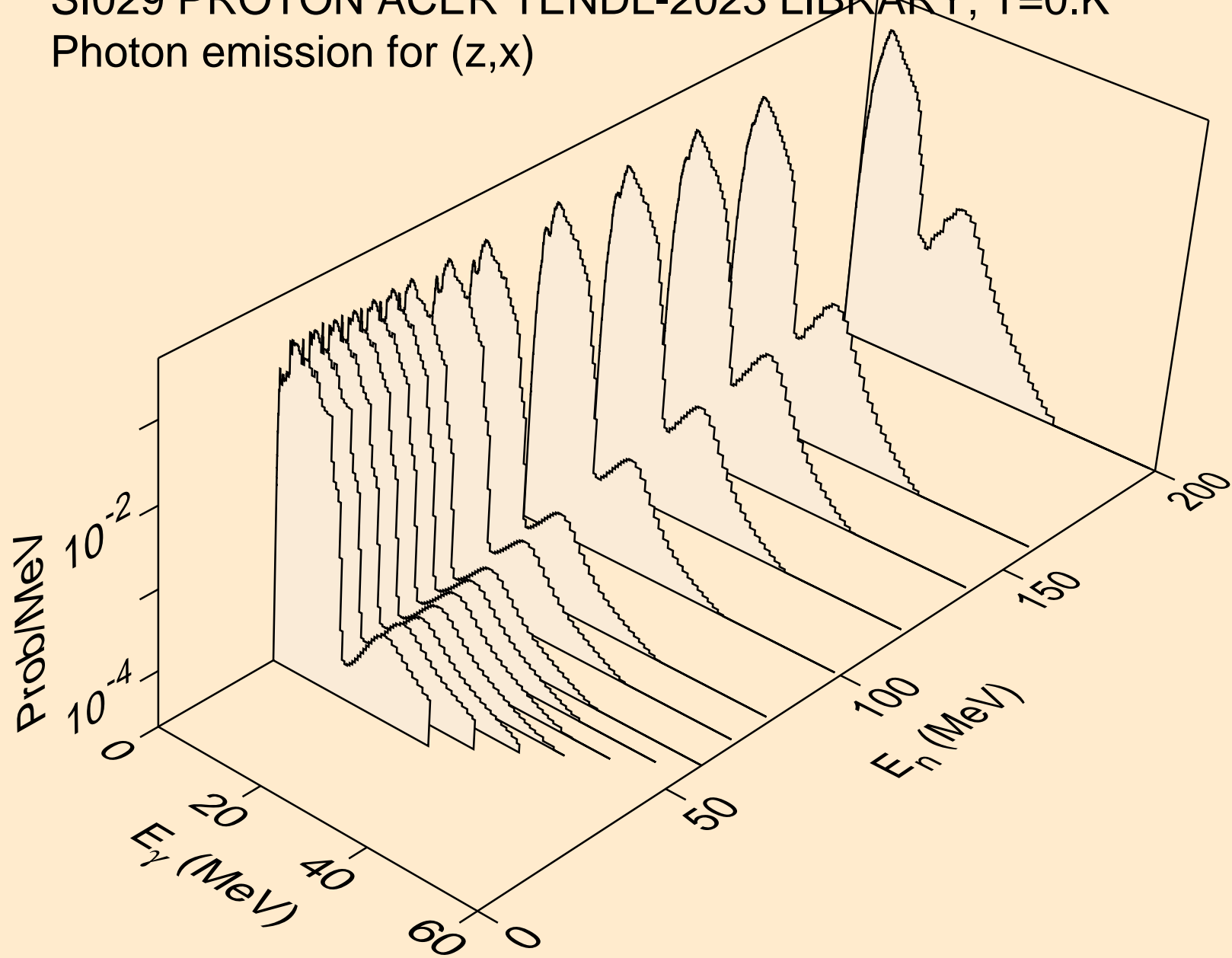
SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pt)



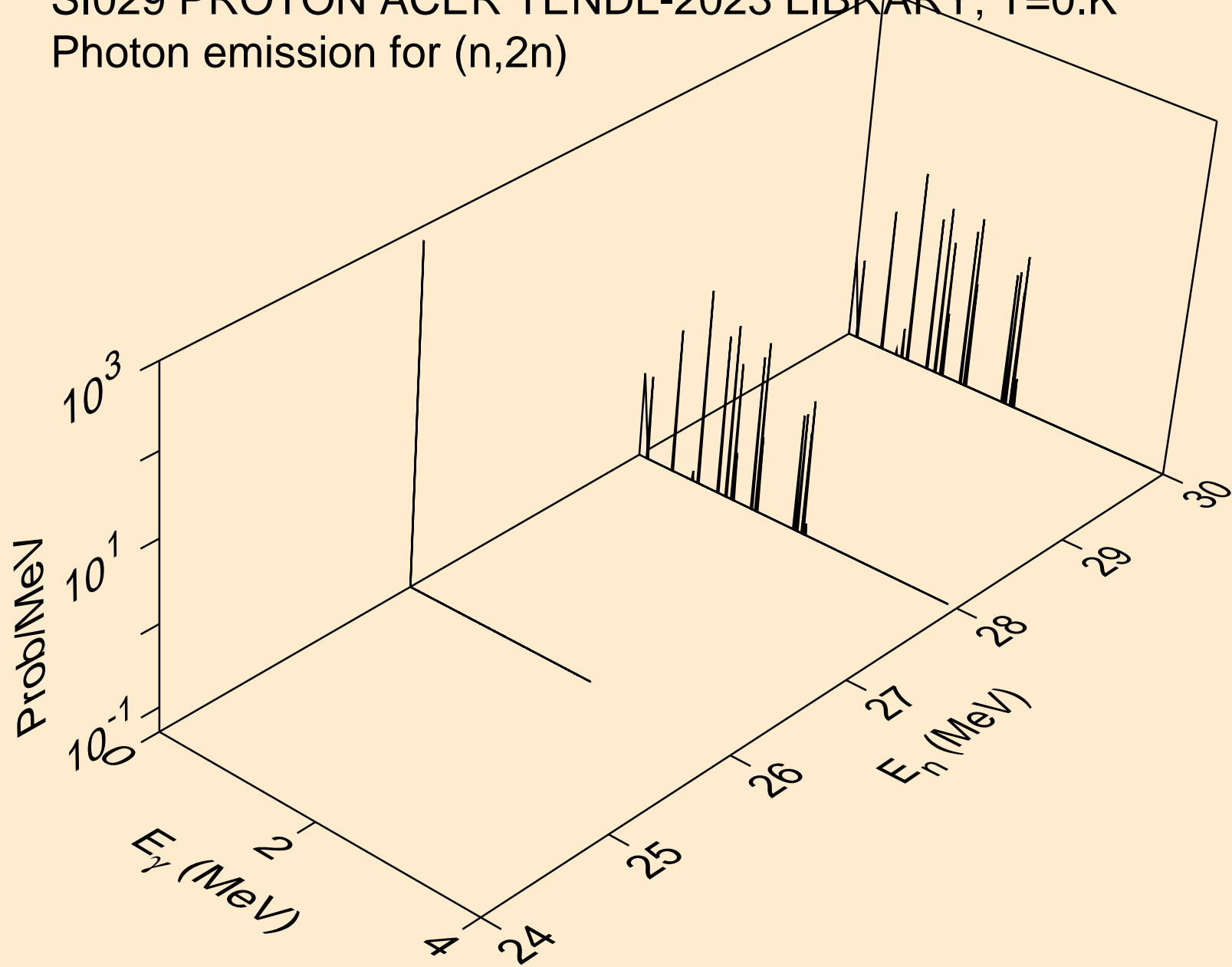
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Photon emission for (z,n)



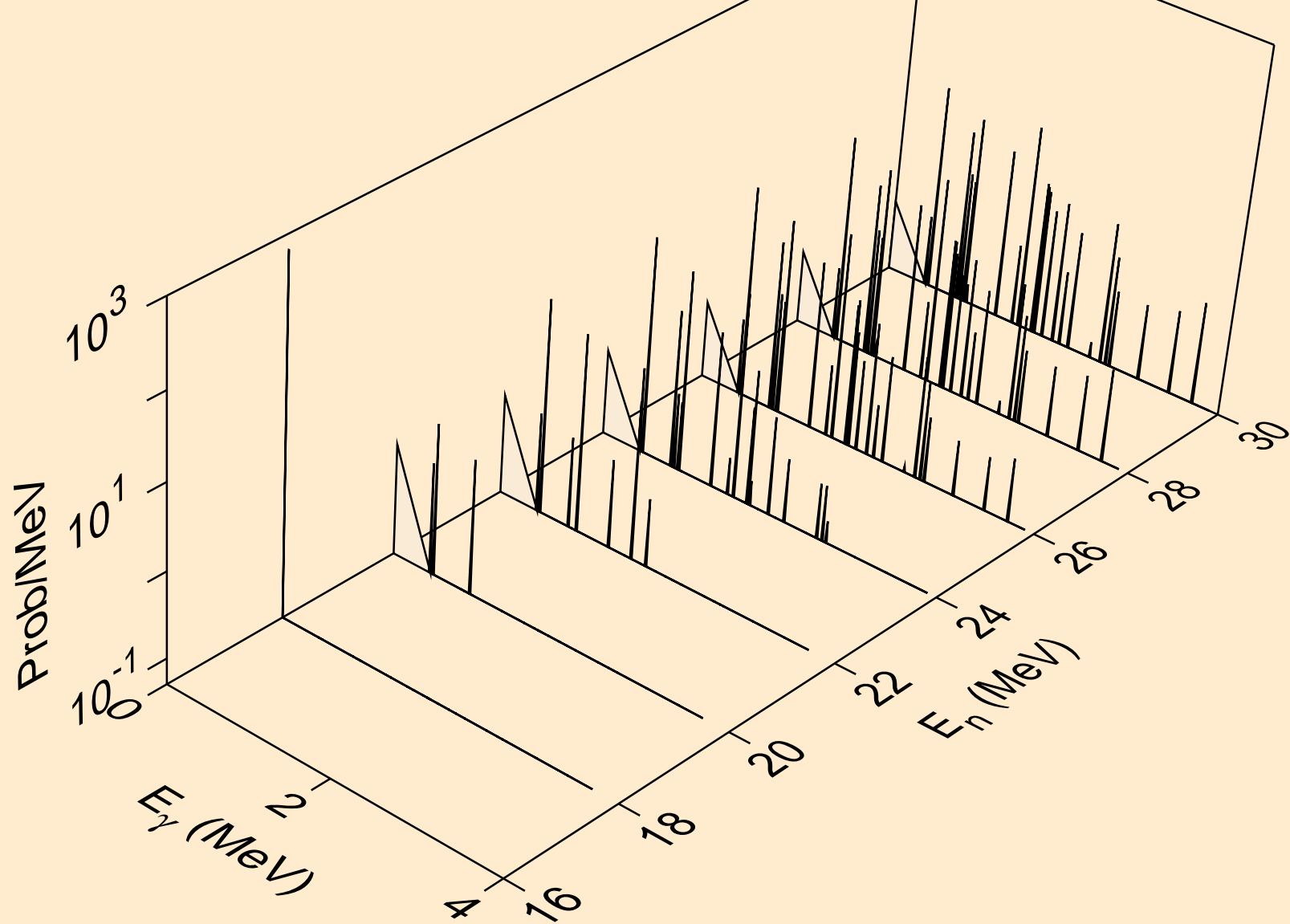
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Photon emission for (z,x)



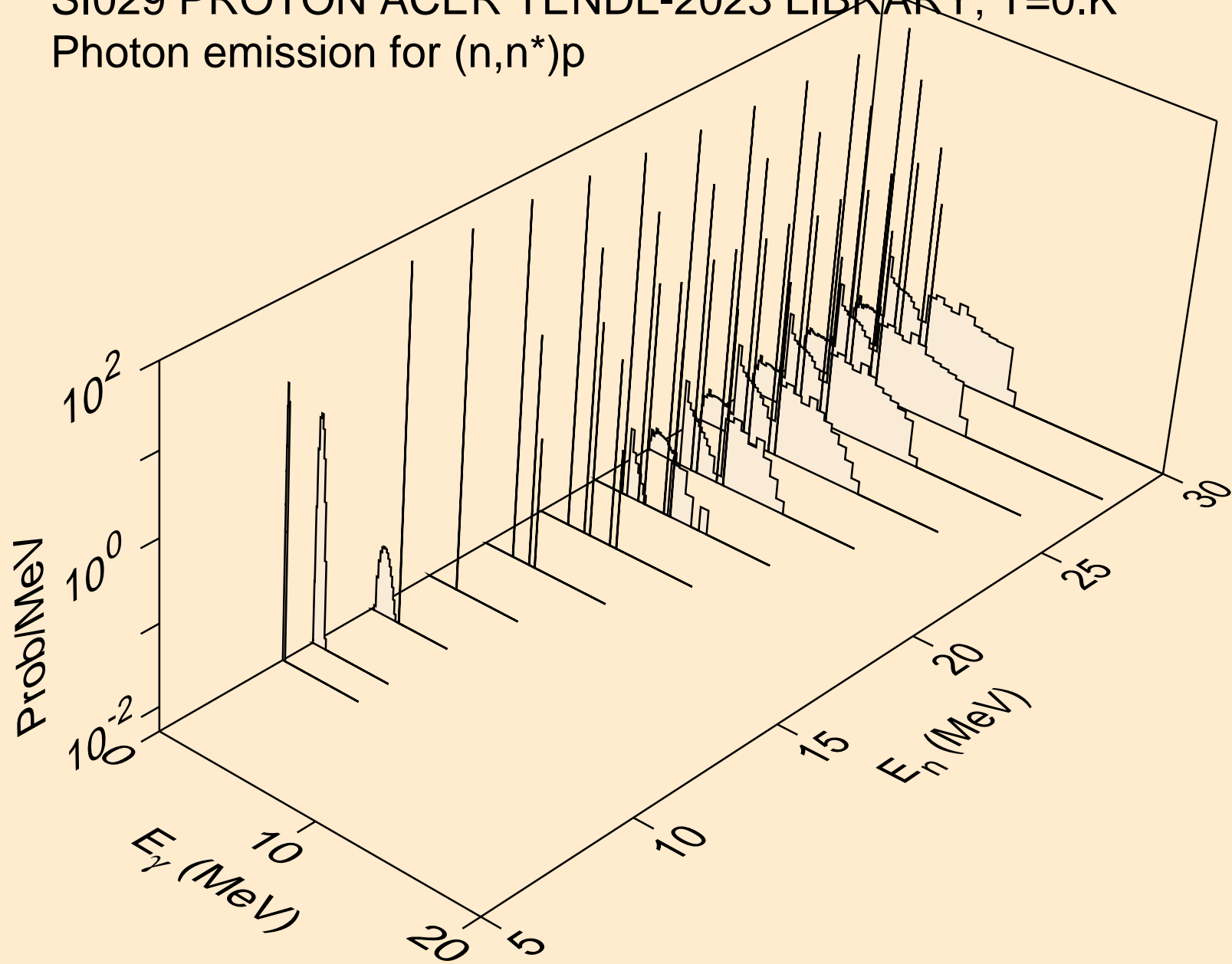
SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

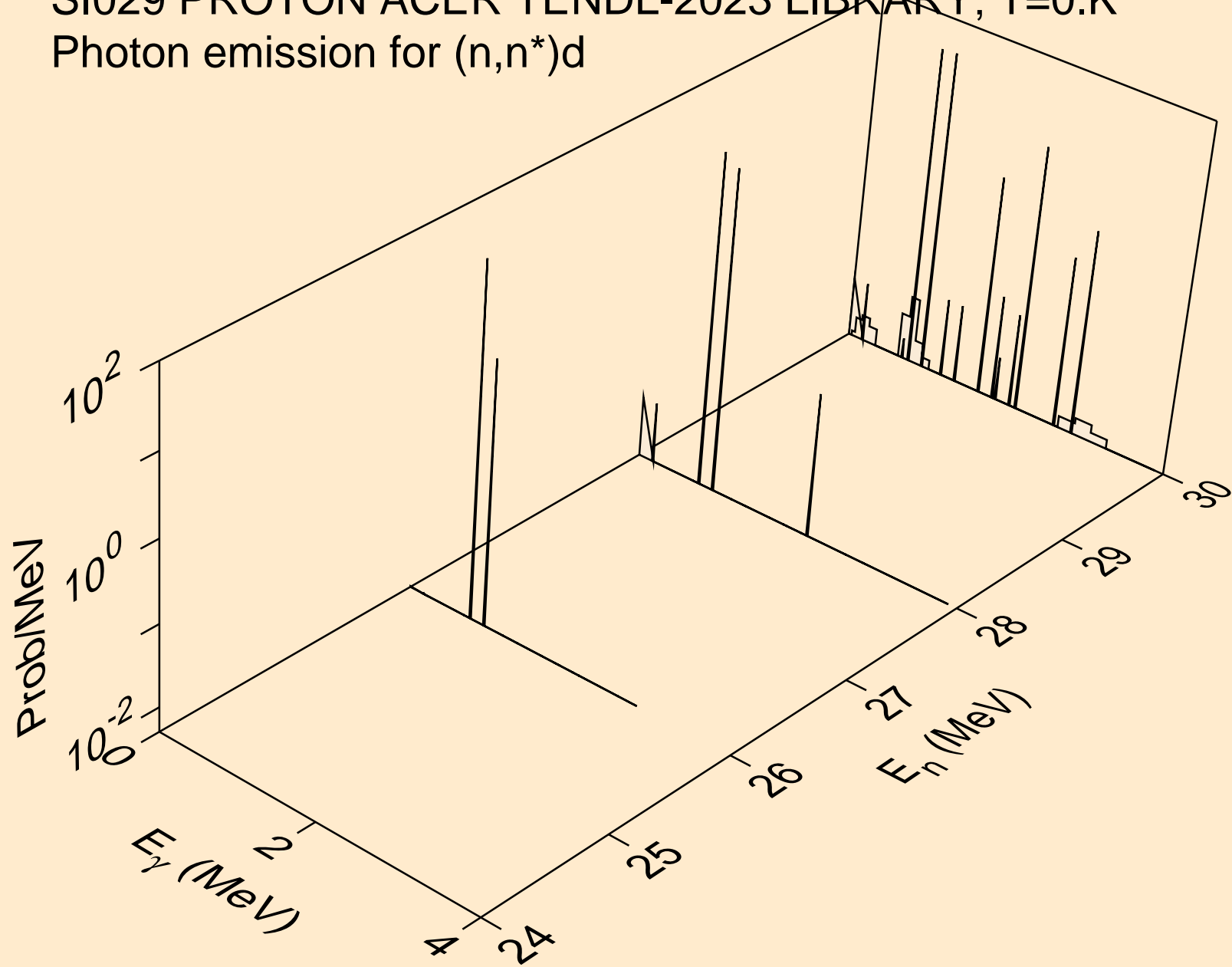


SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

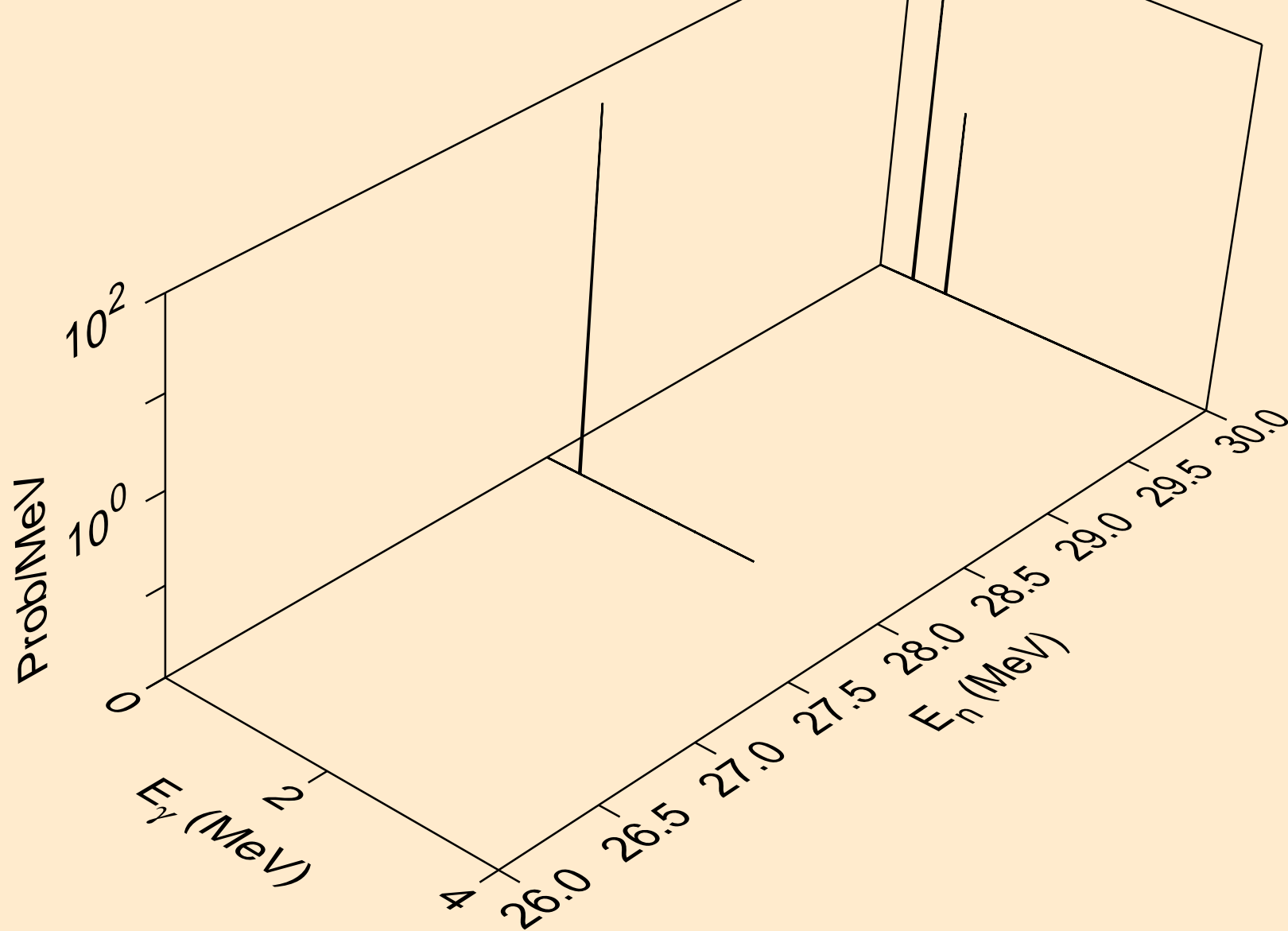




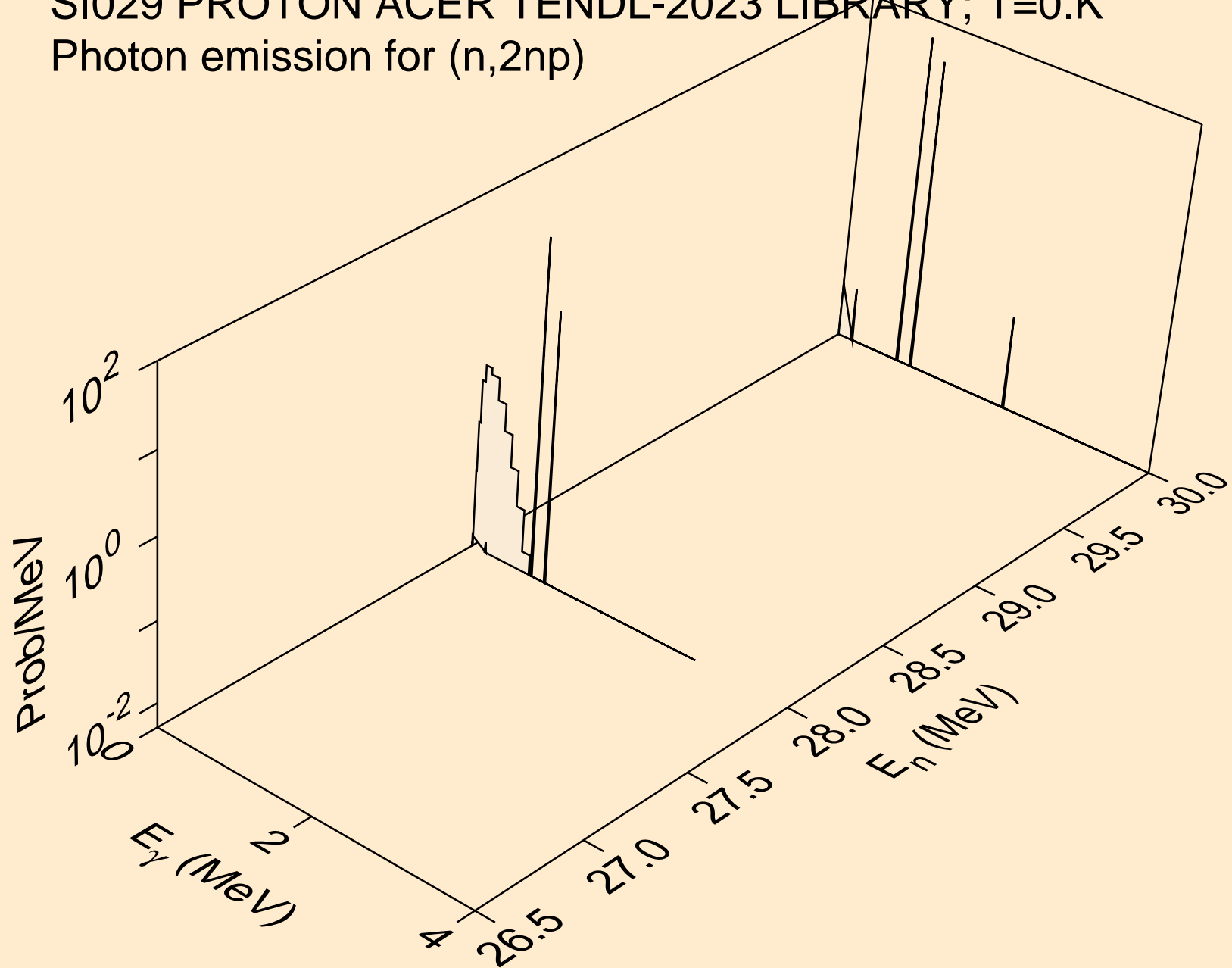
SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



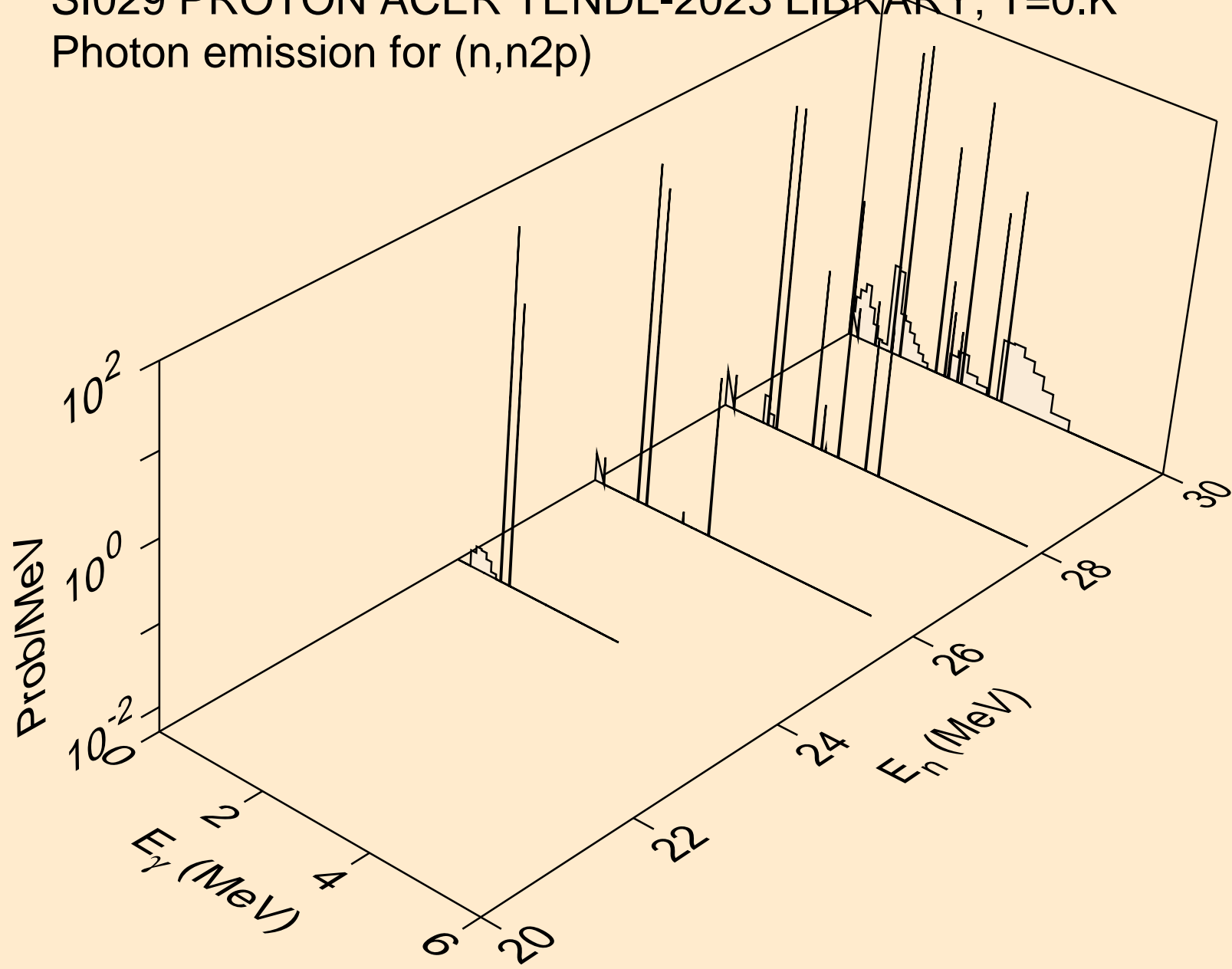
SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



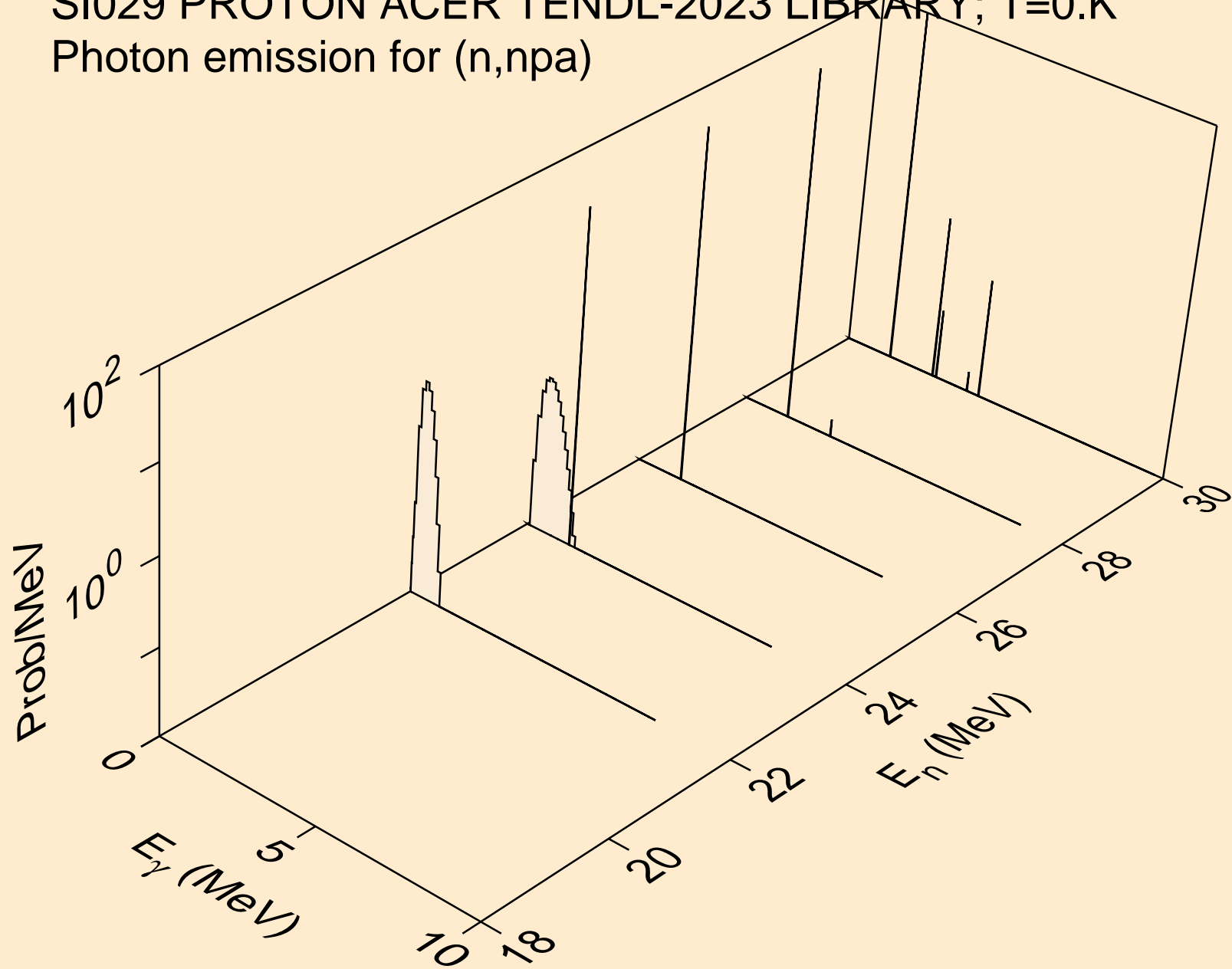
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Photon emission for (n,2np)



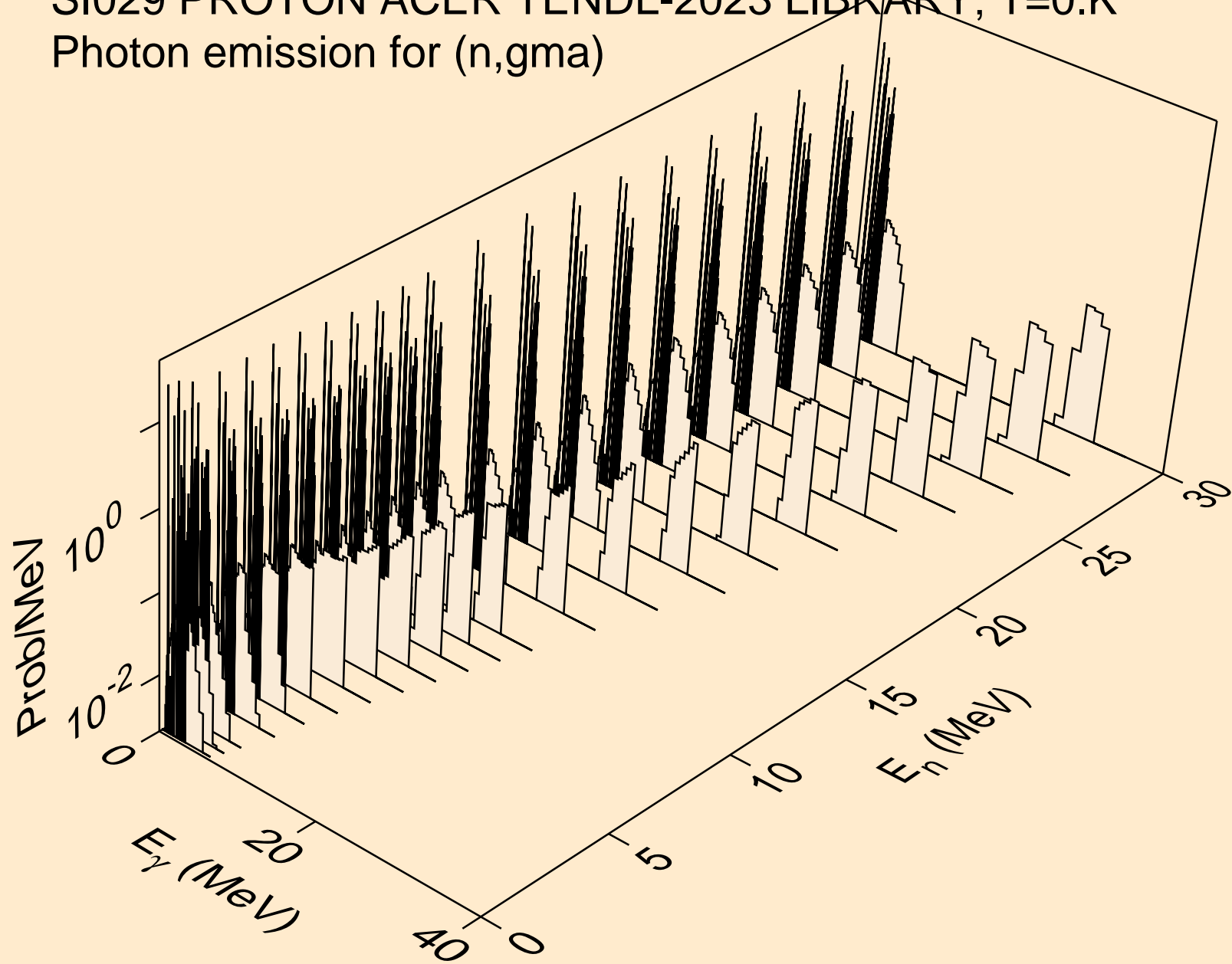
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Photon emission for (n,n2p)



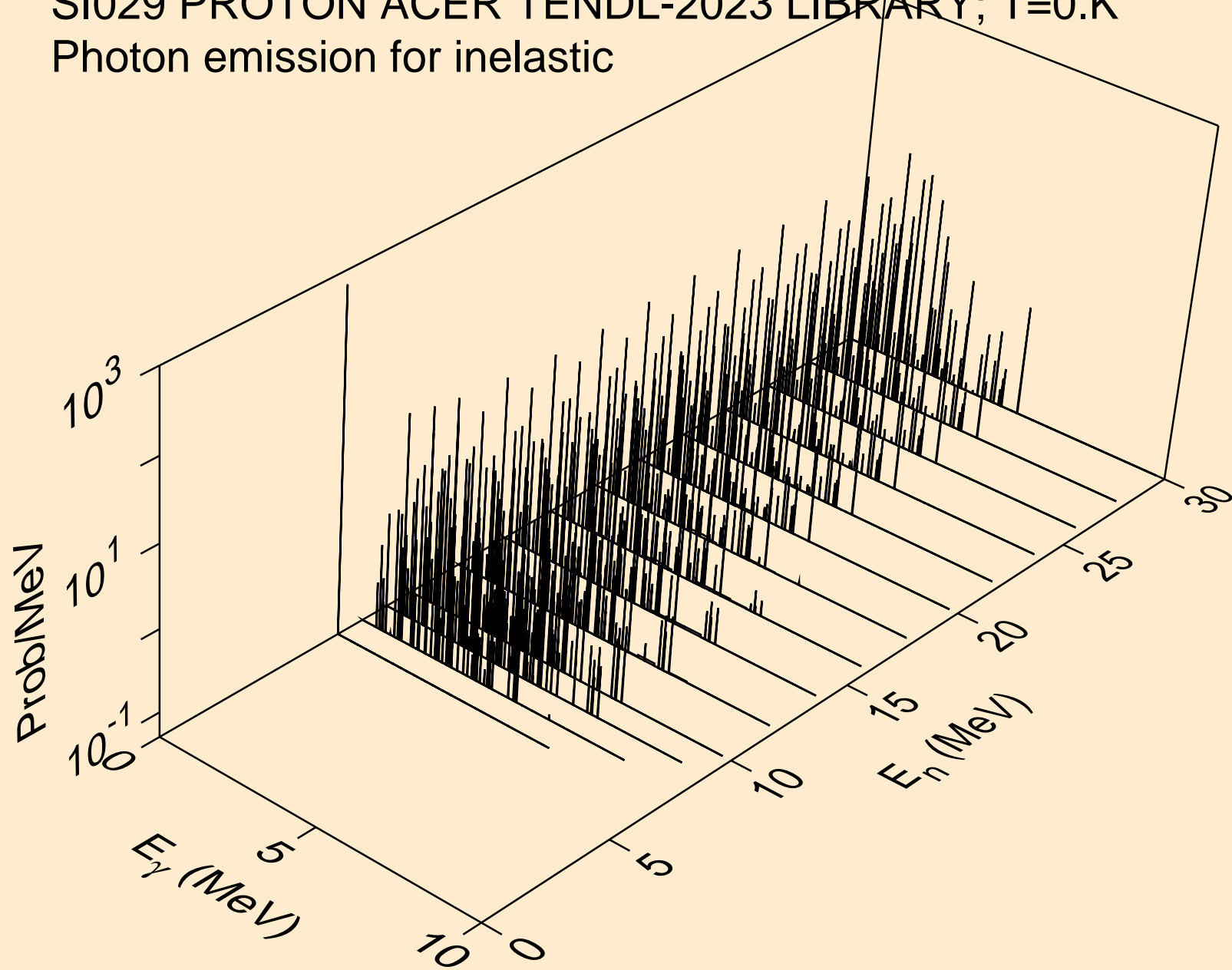
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Photon emission for (n,npa)



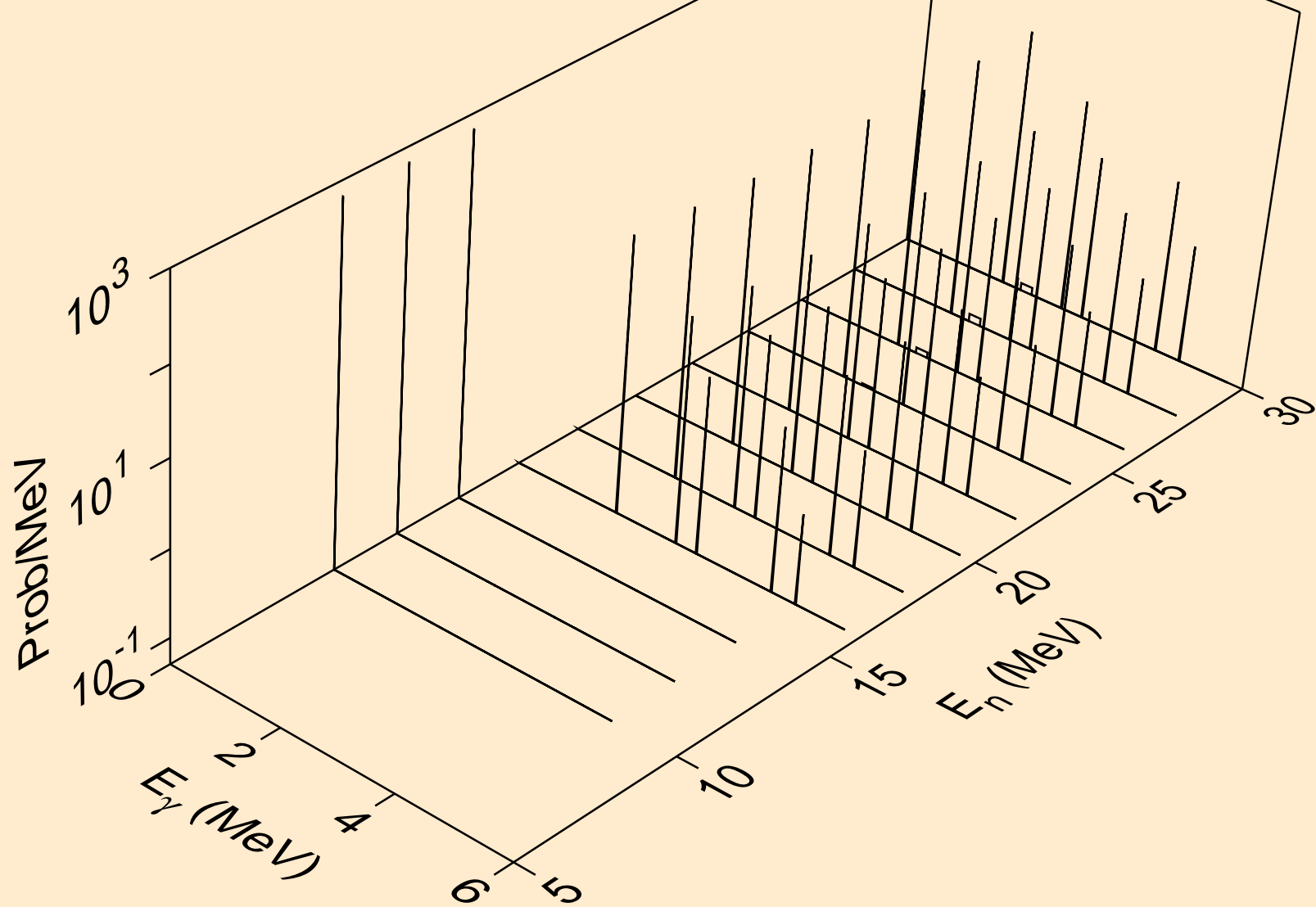
SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic

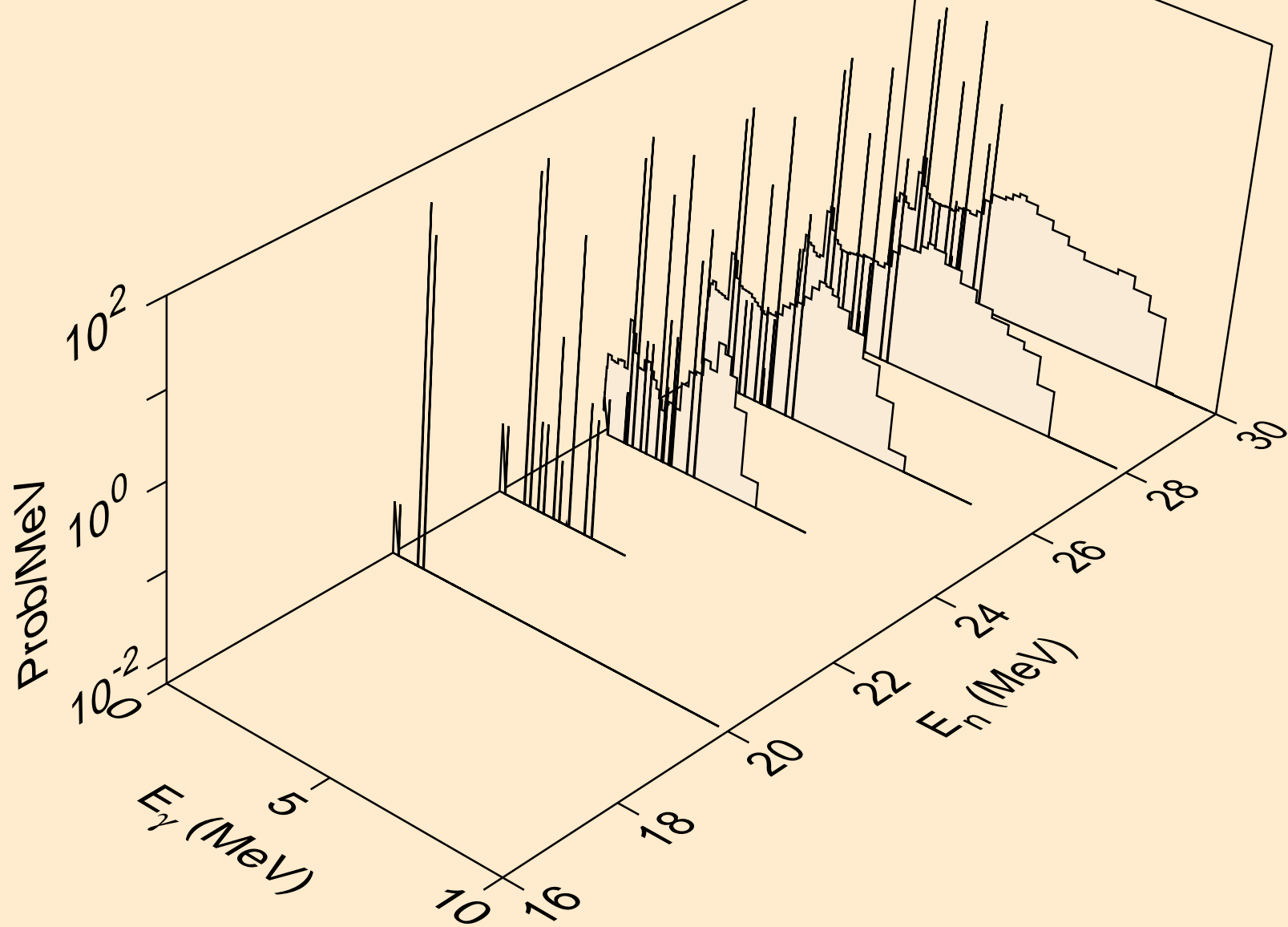


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Photon emission for (n,d)

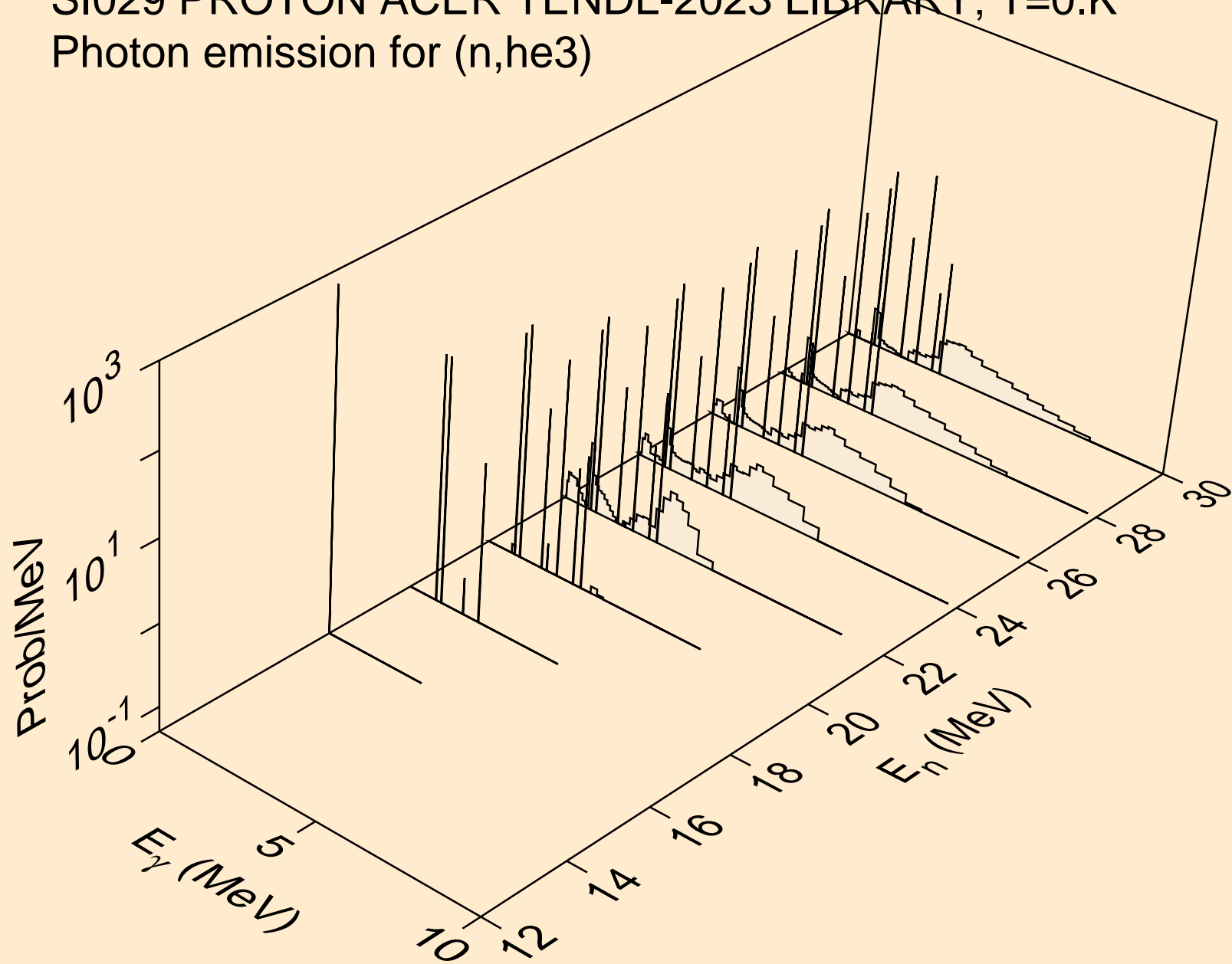




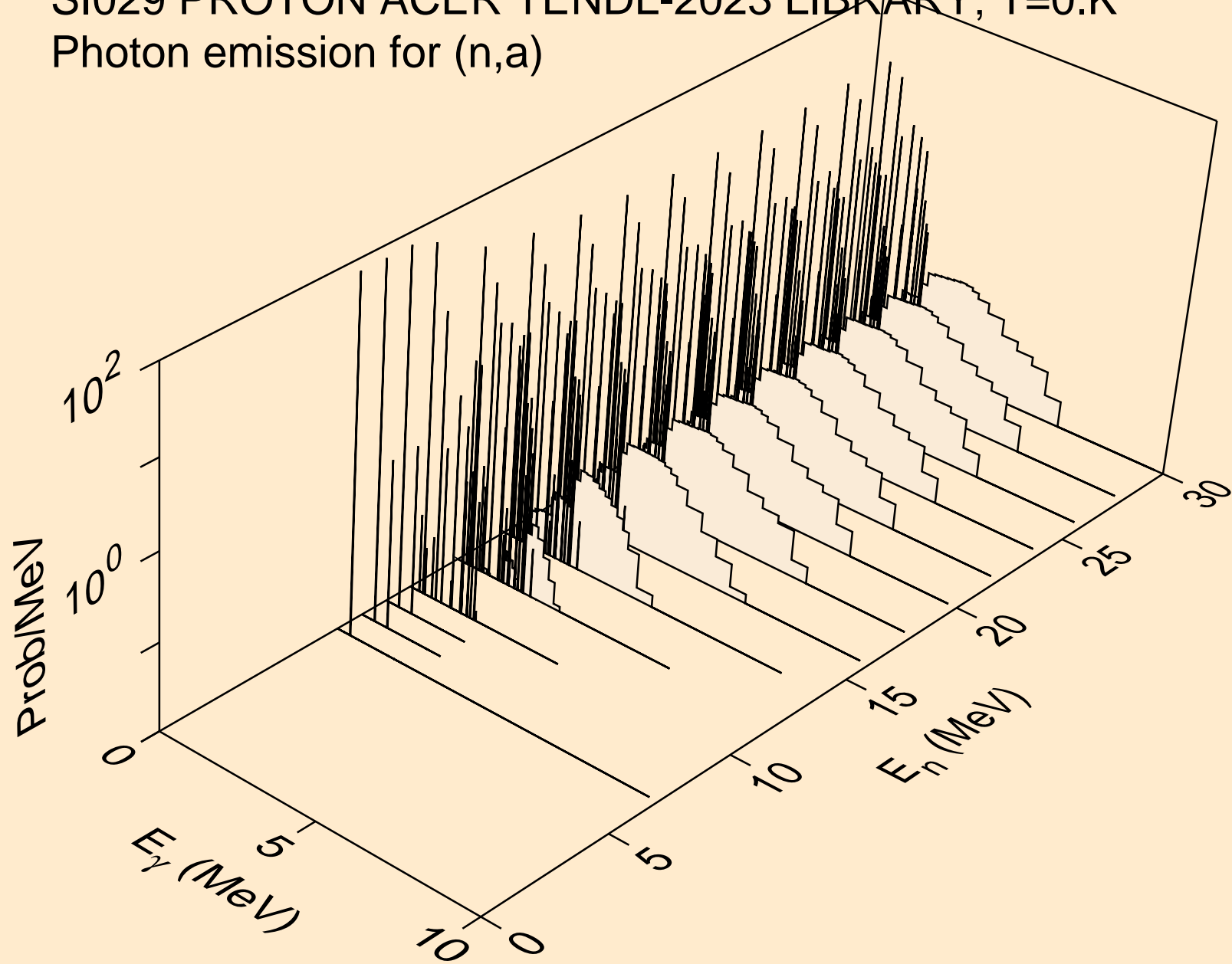
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Photon emission for (n,t)



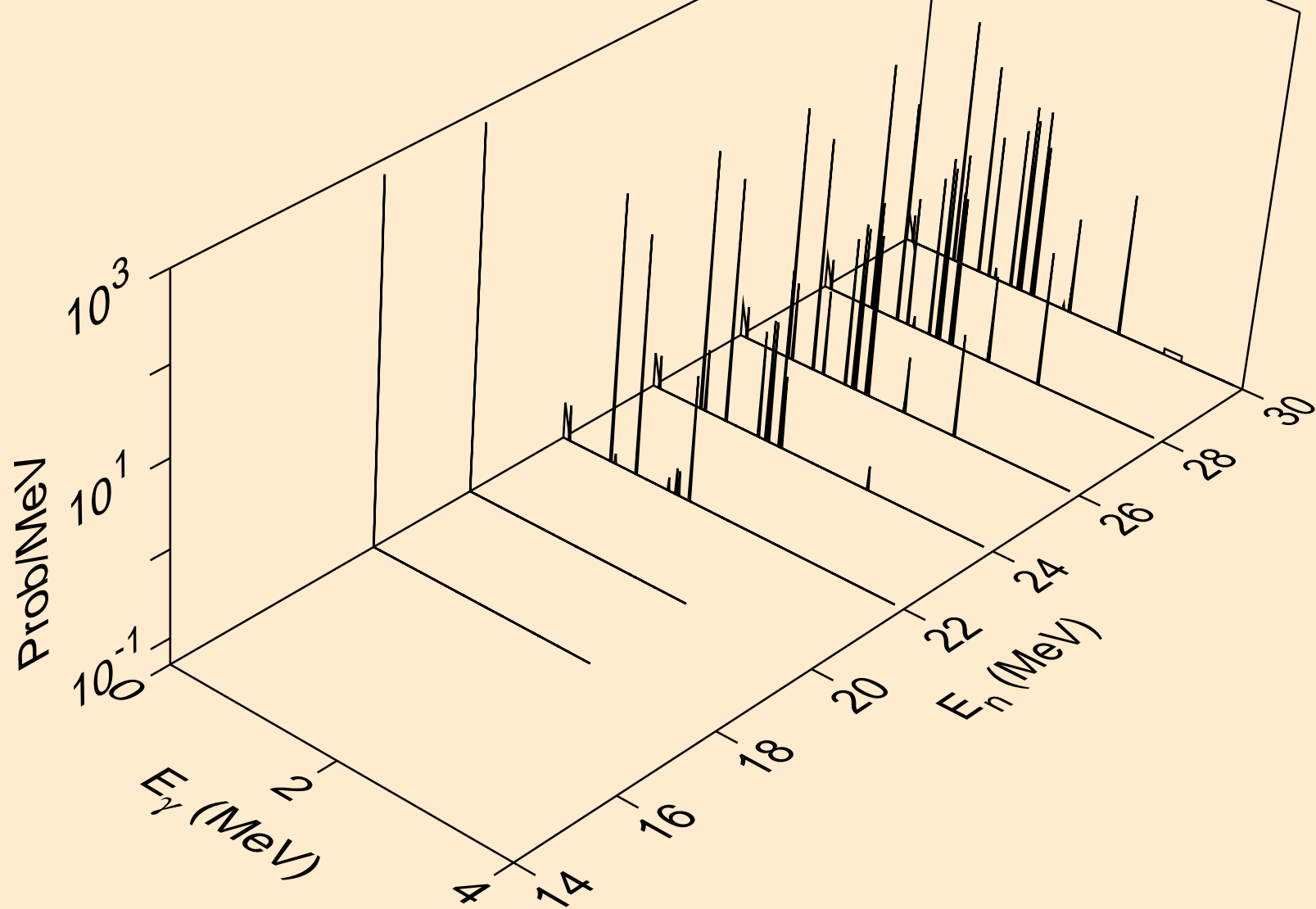
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Photon emission for (n,he3)



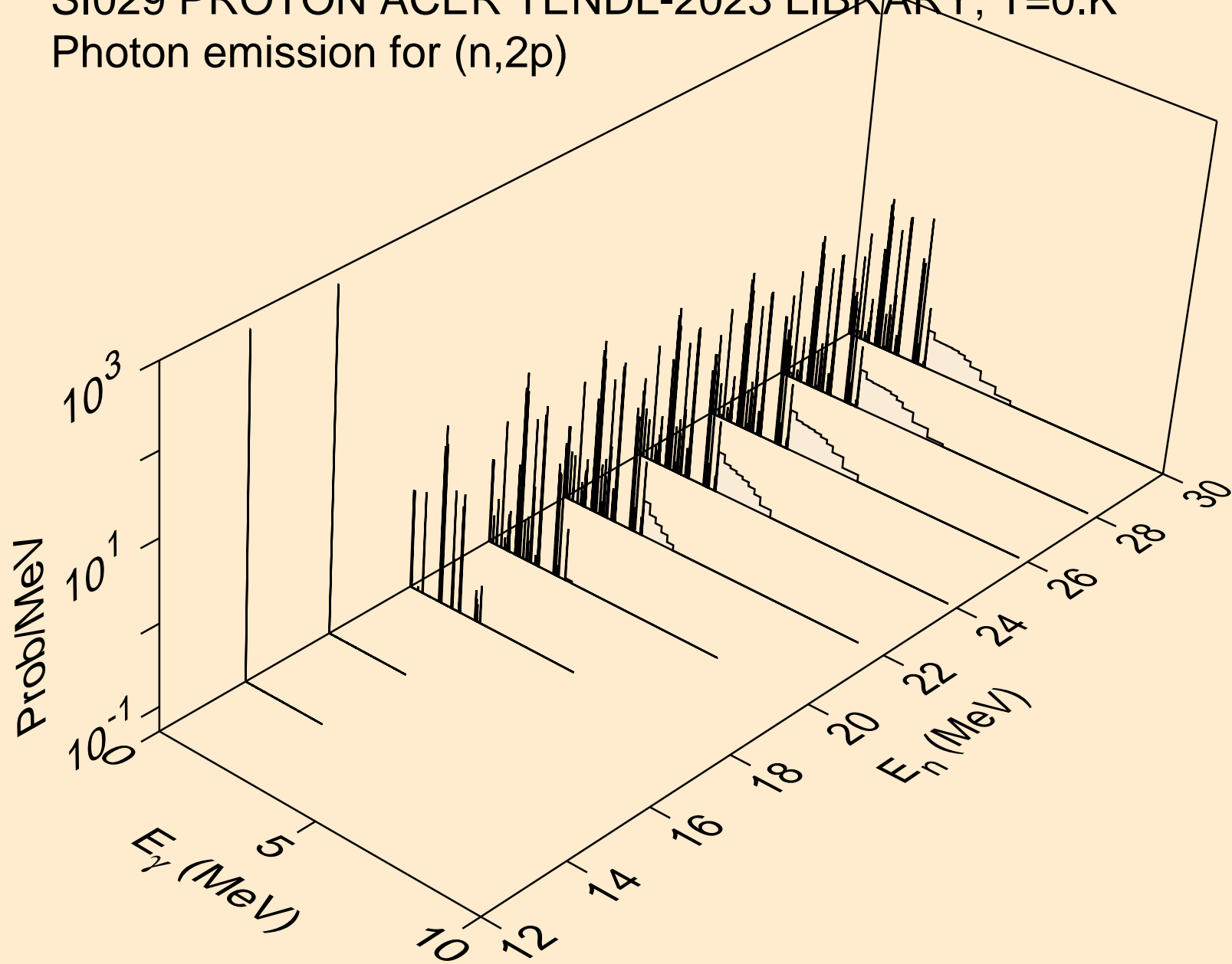
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Photon emission for (n,a)



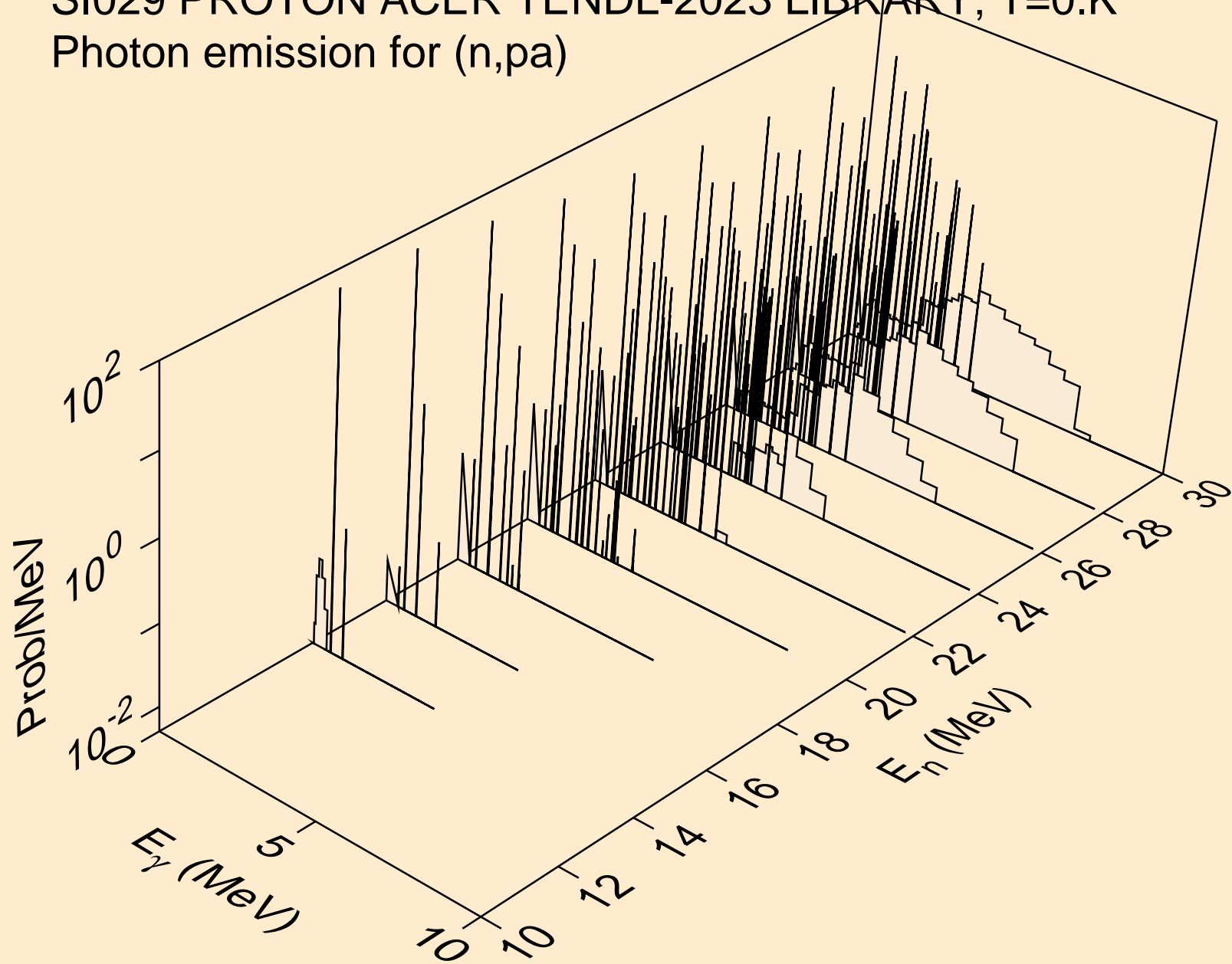
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Photon emission for (n,2a)



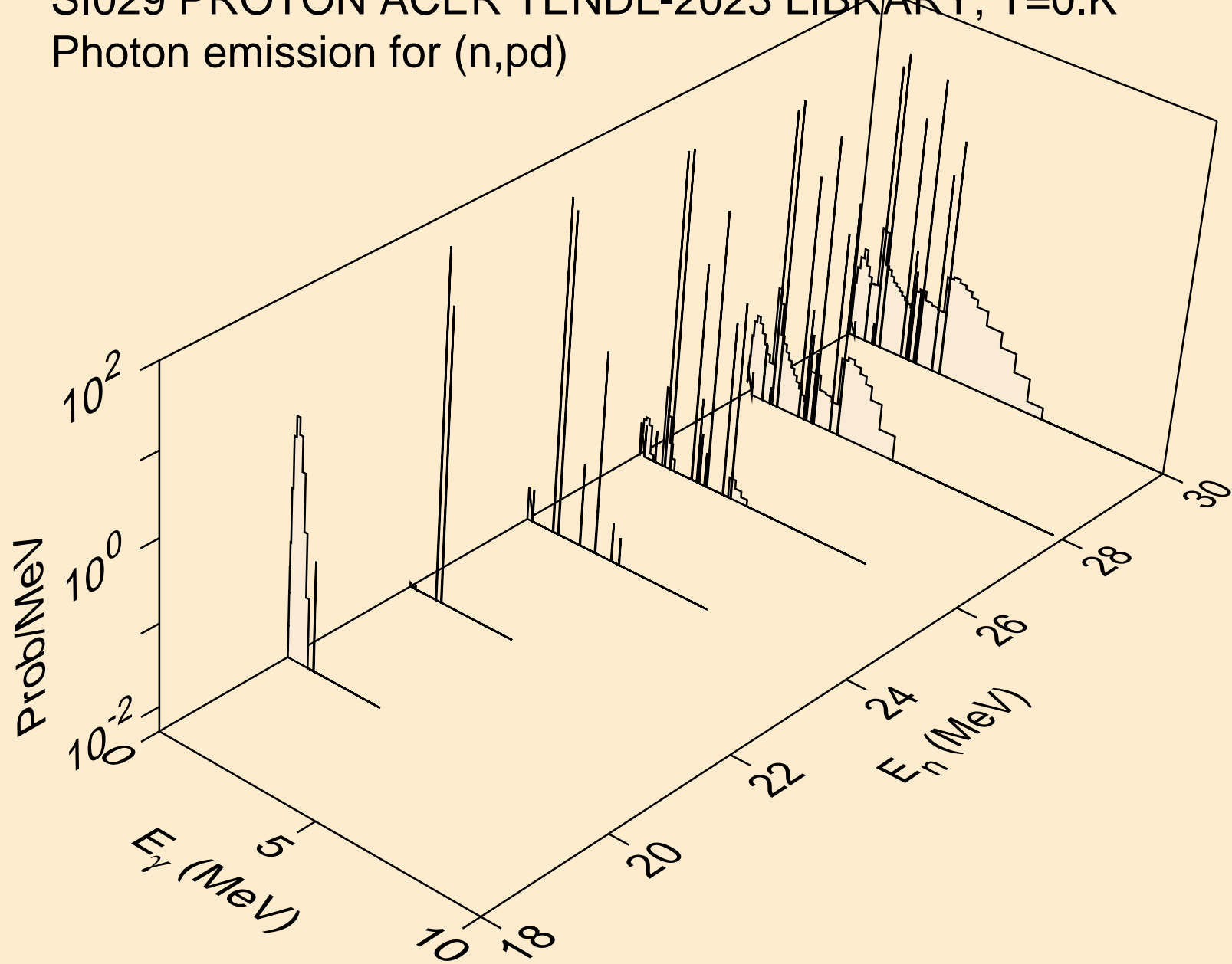
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Photon emission for (n,2p)



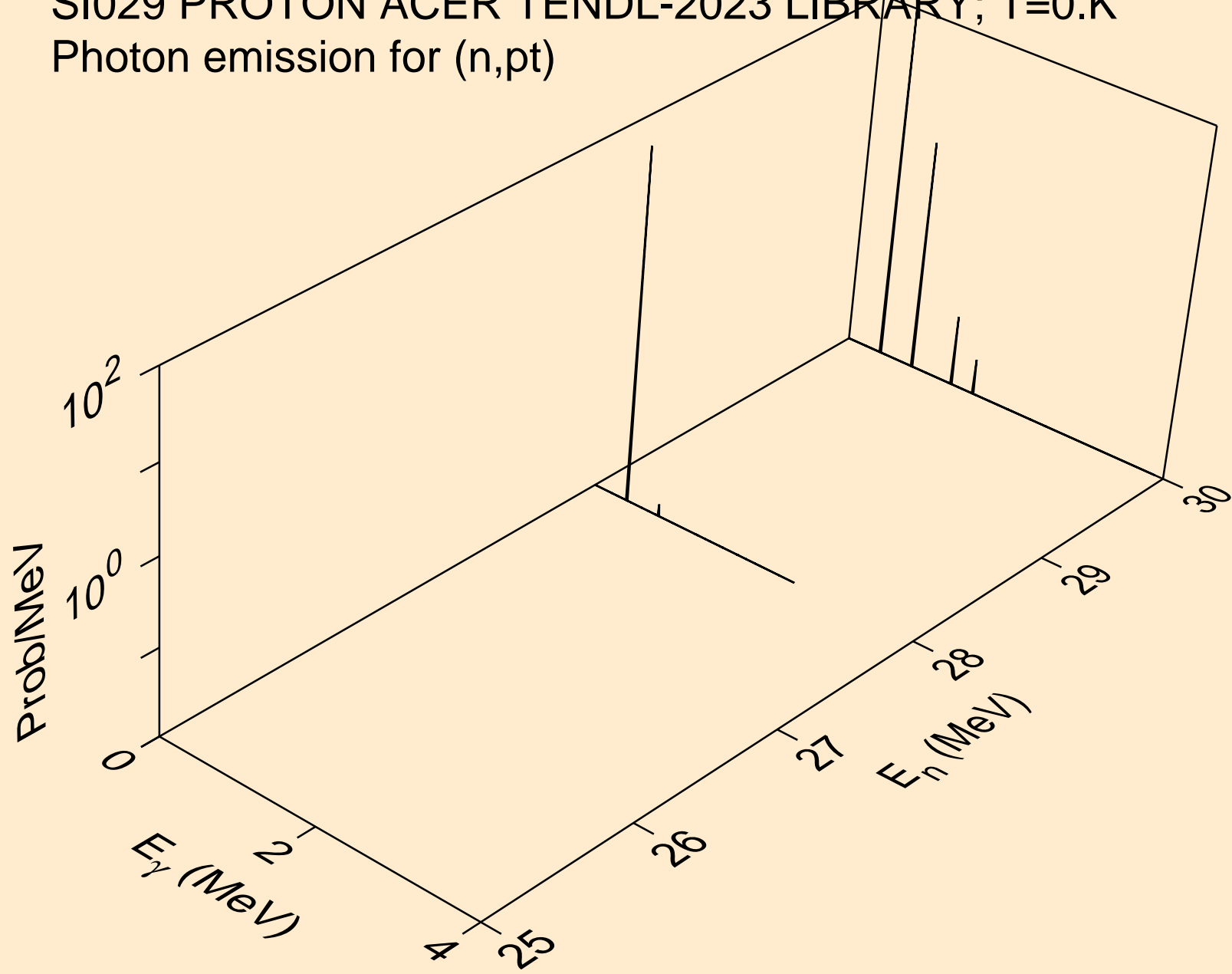
SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)

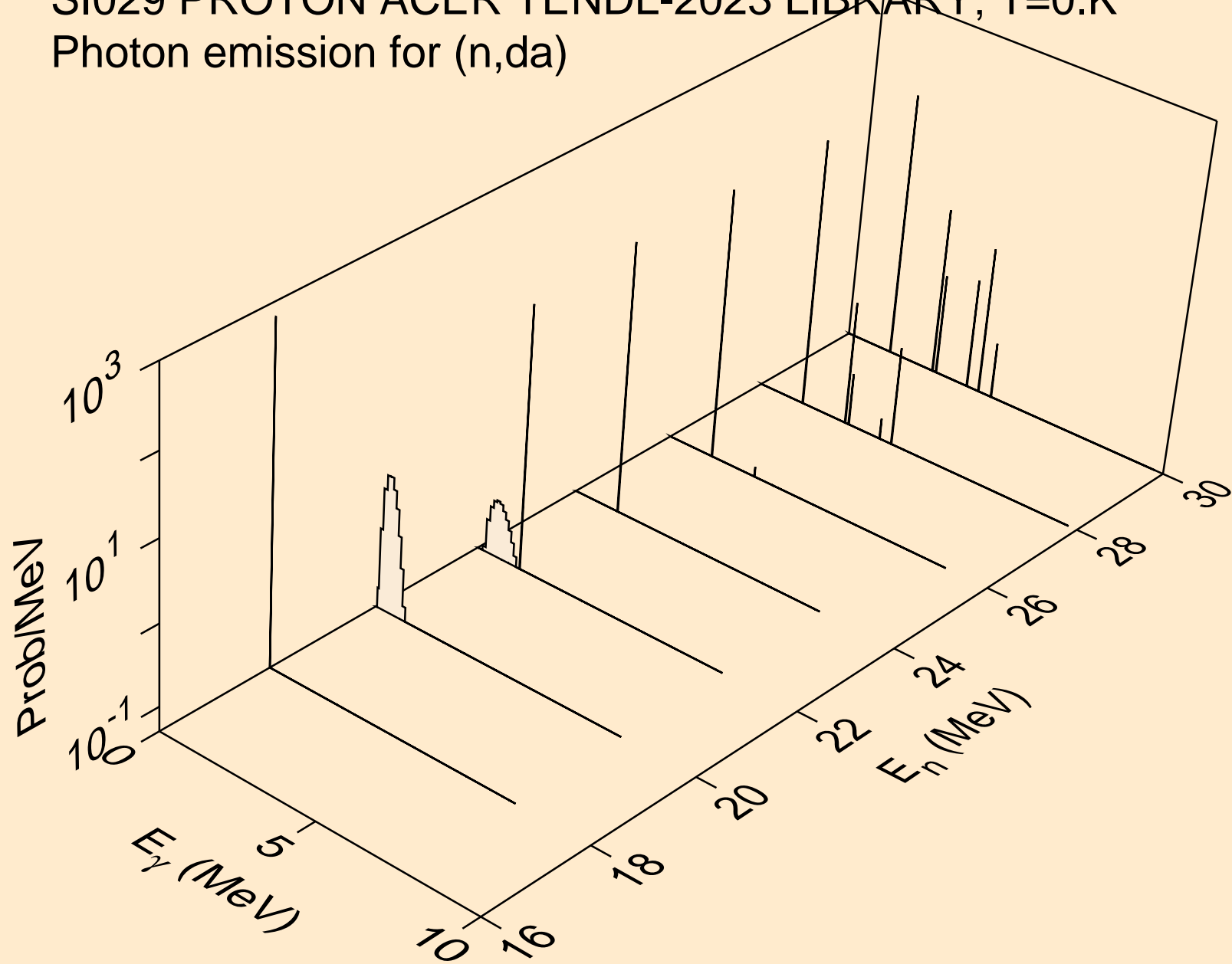


SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



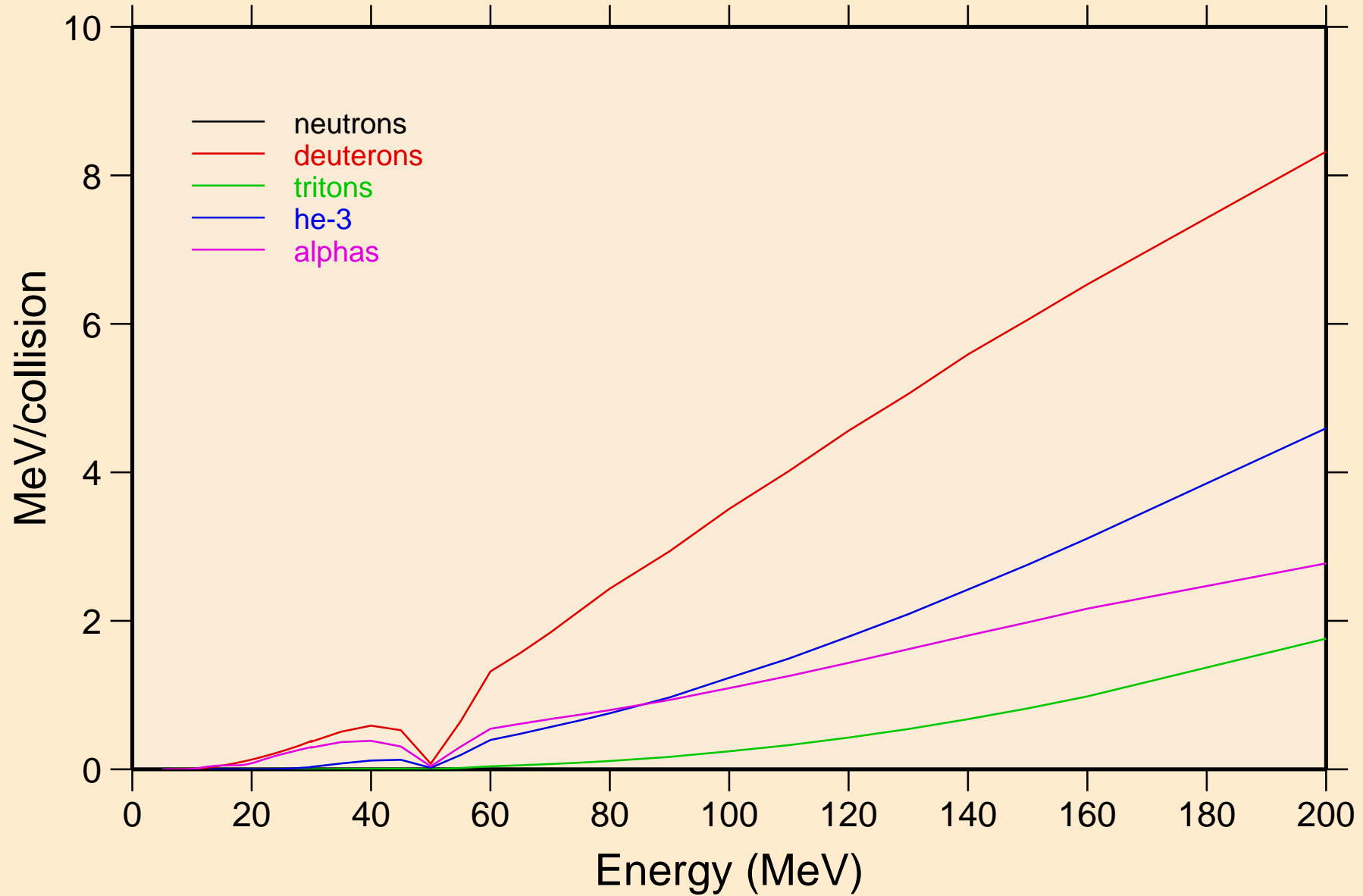


SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)

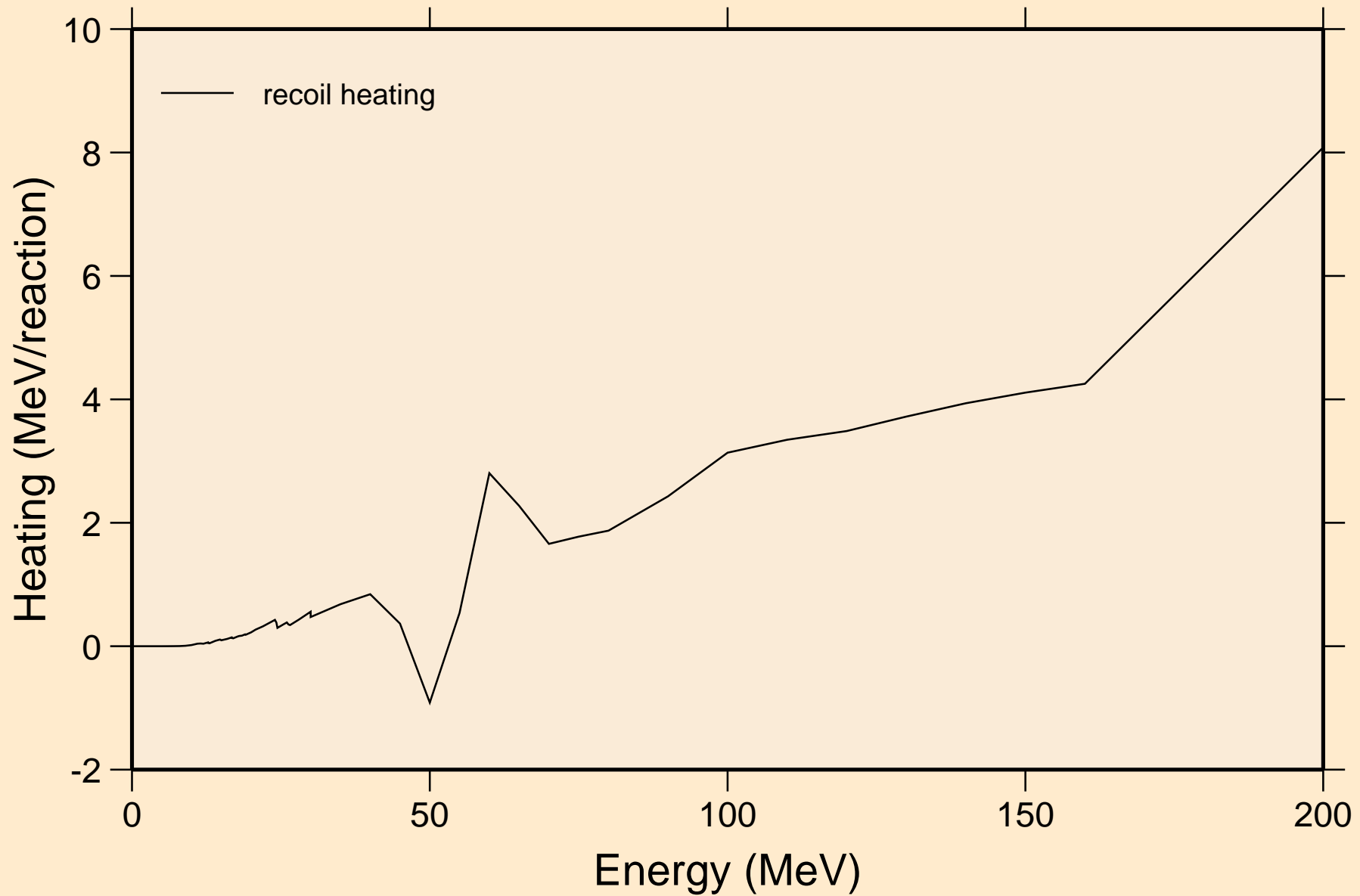


# SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K

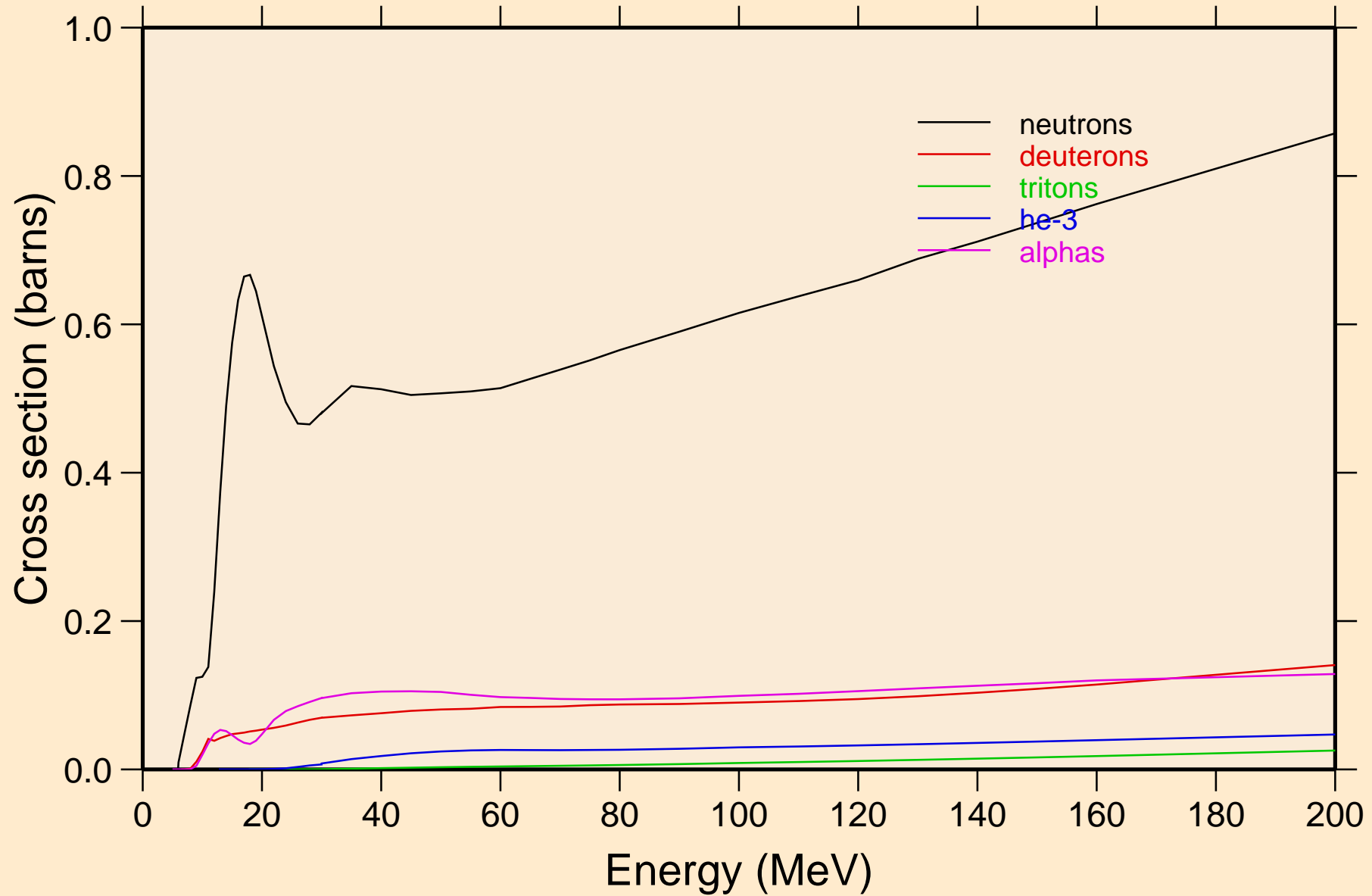
## Particle heating contributions



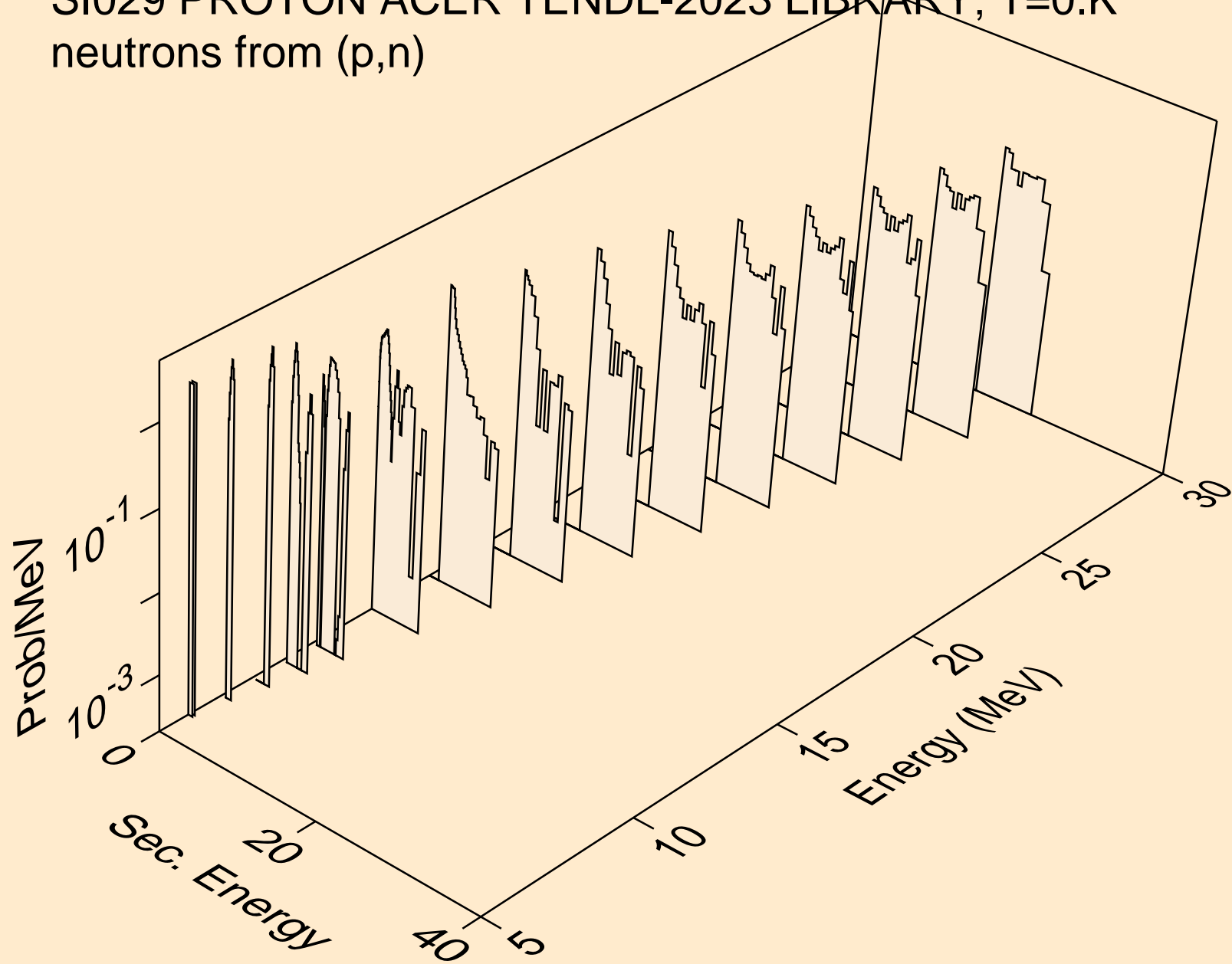
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Recoil Heating



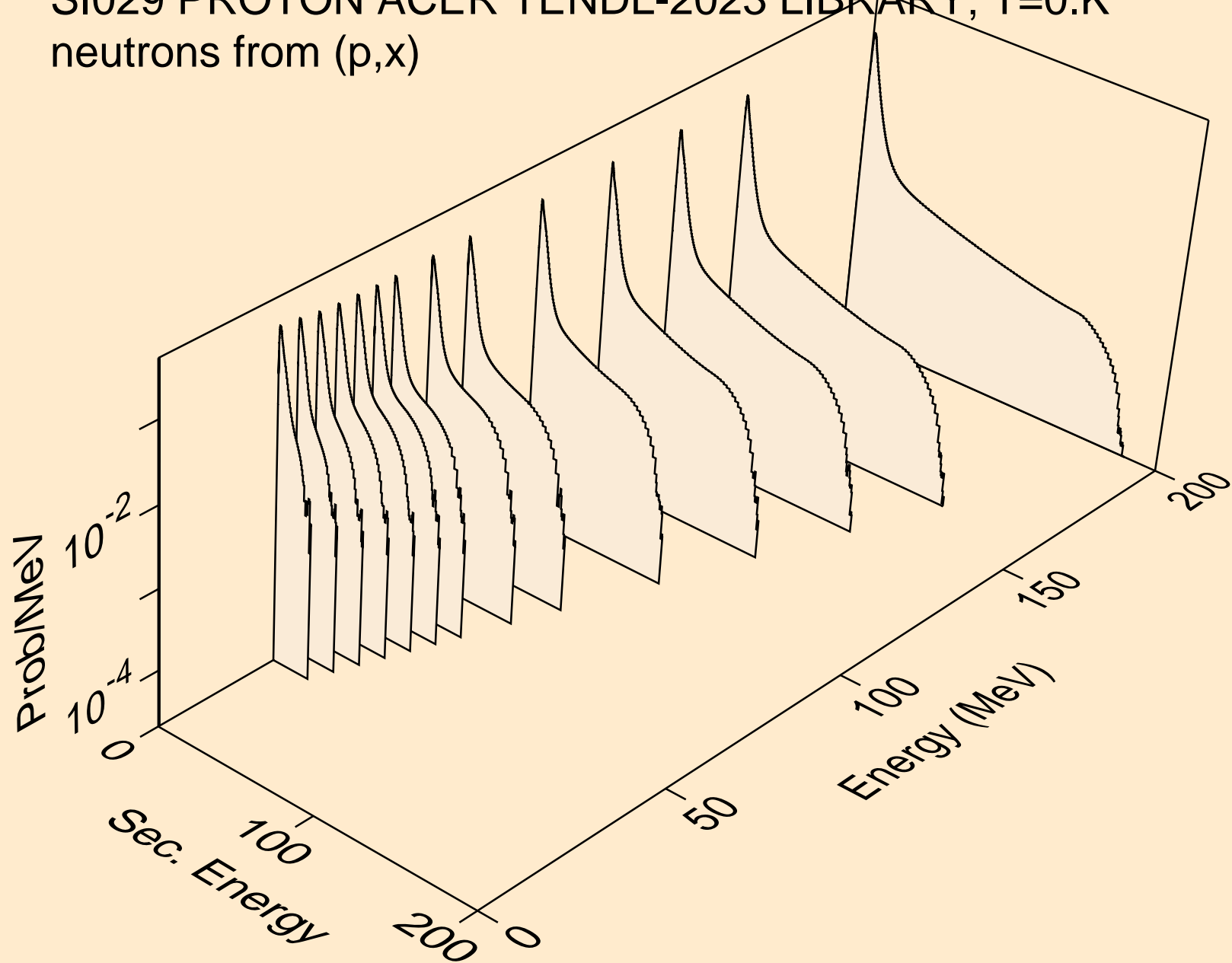
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Particle production cross sections



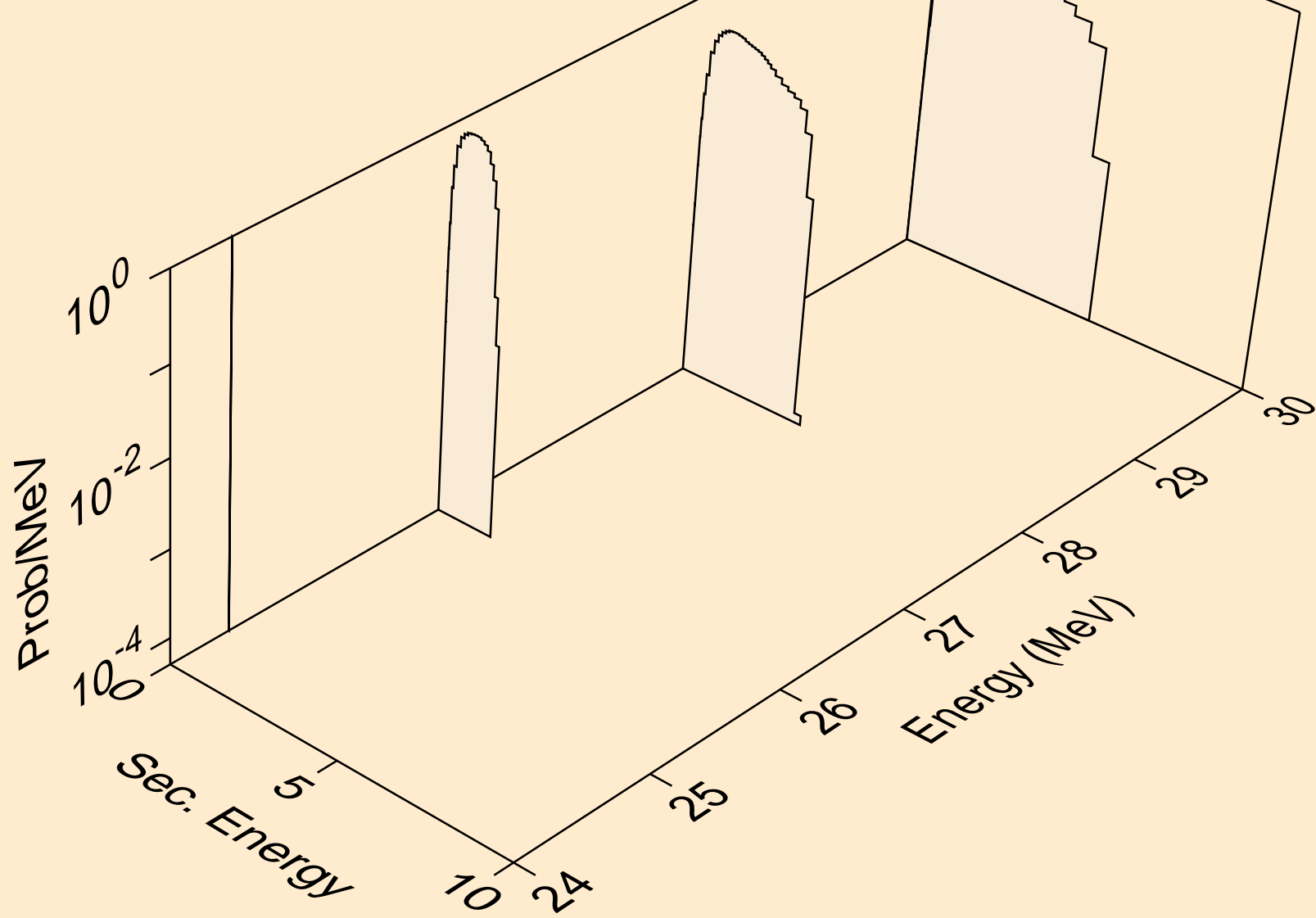
SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)



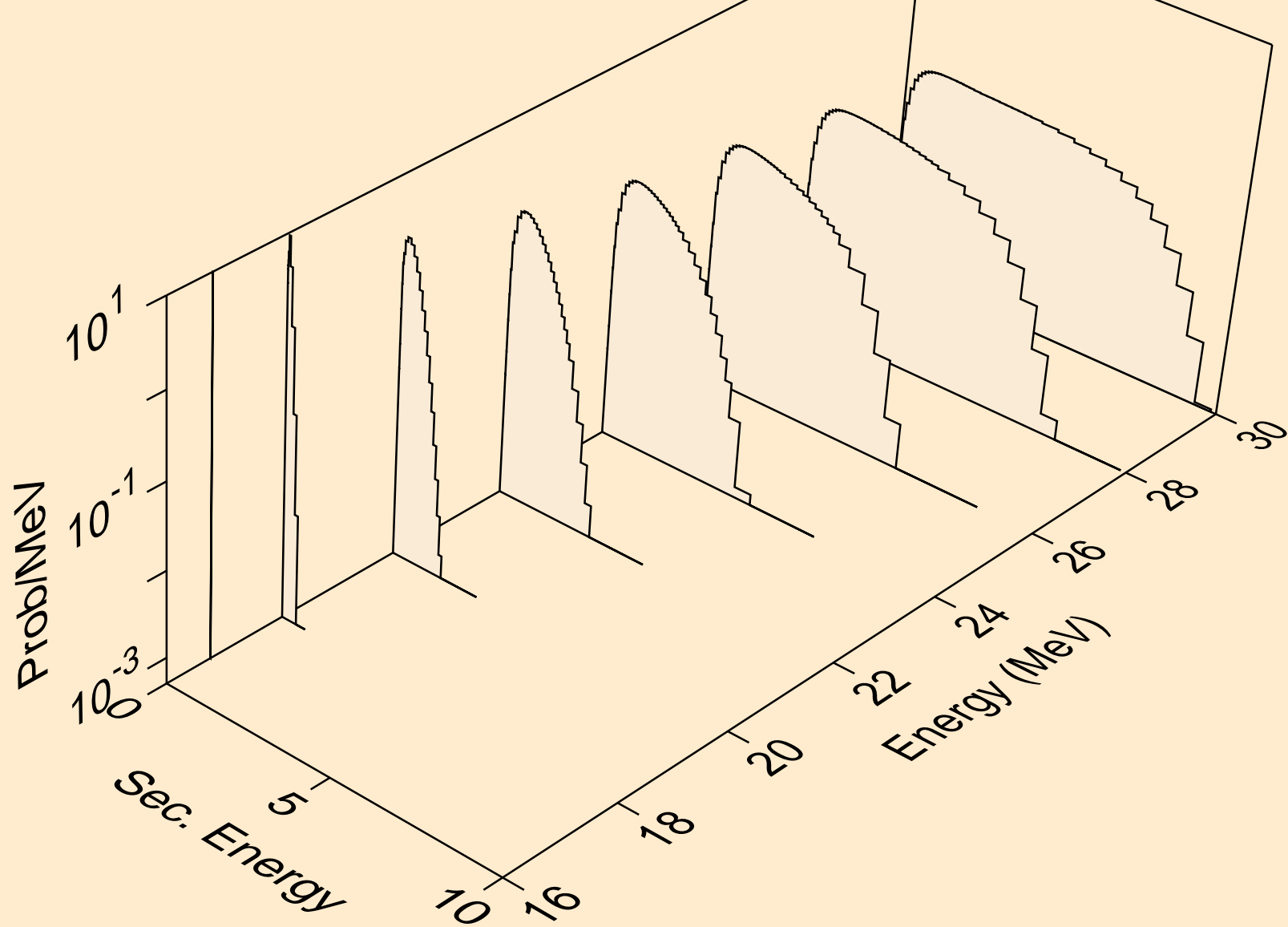
SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,x)



SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)

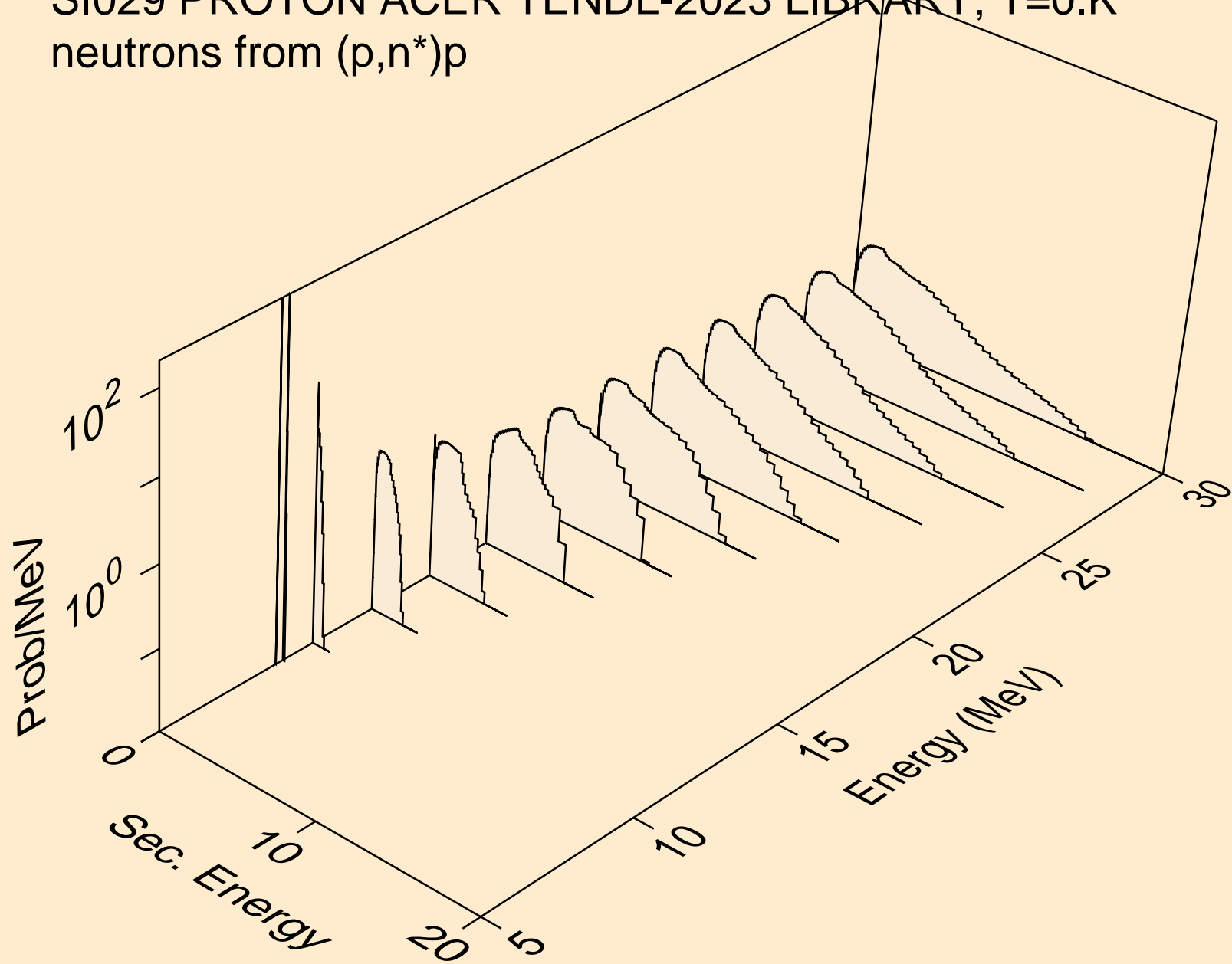


SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)a

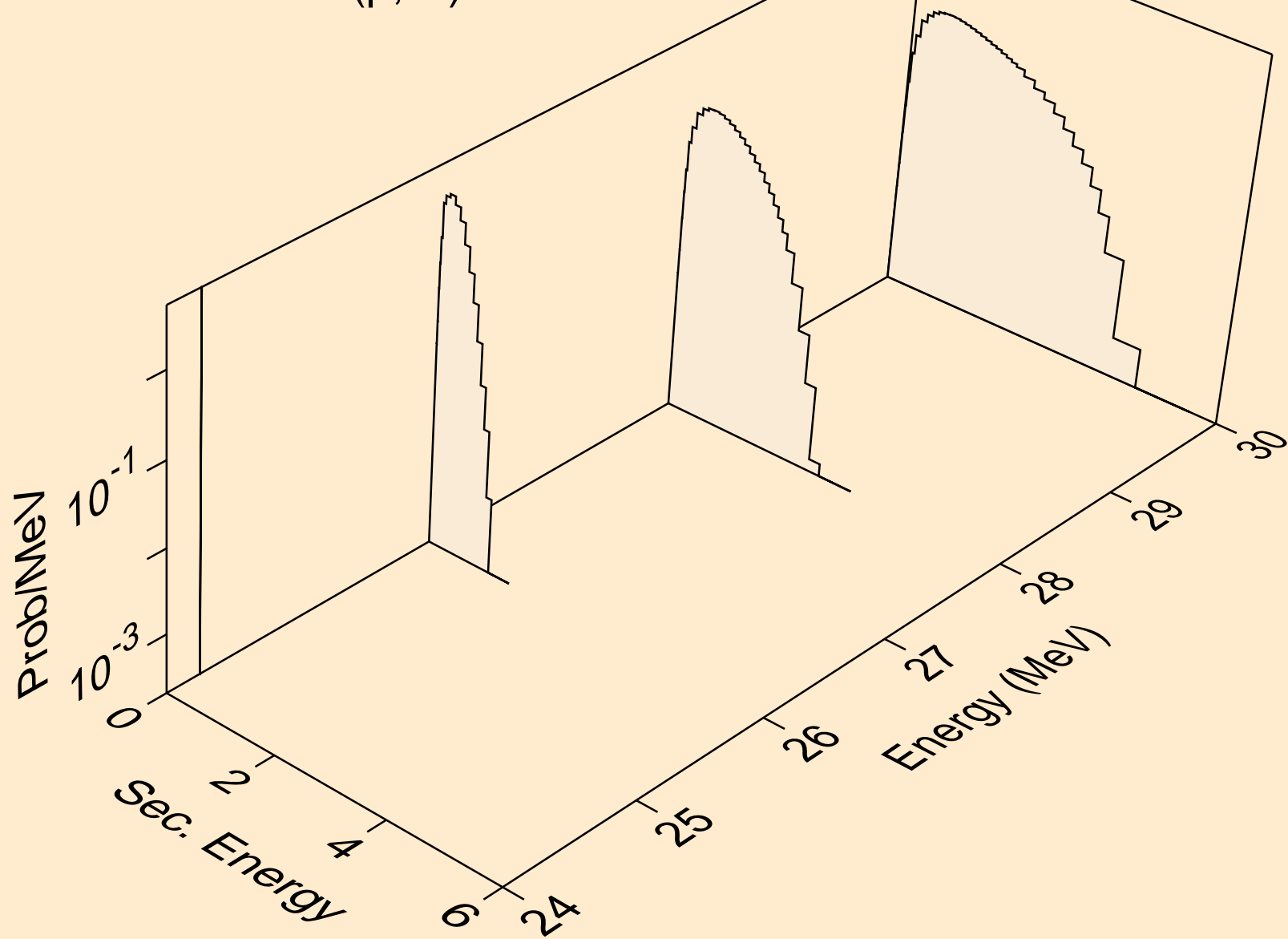




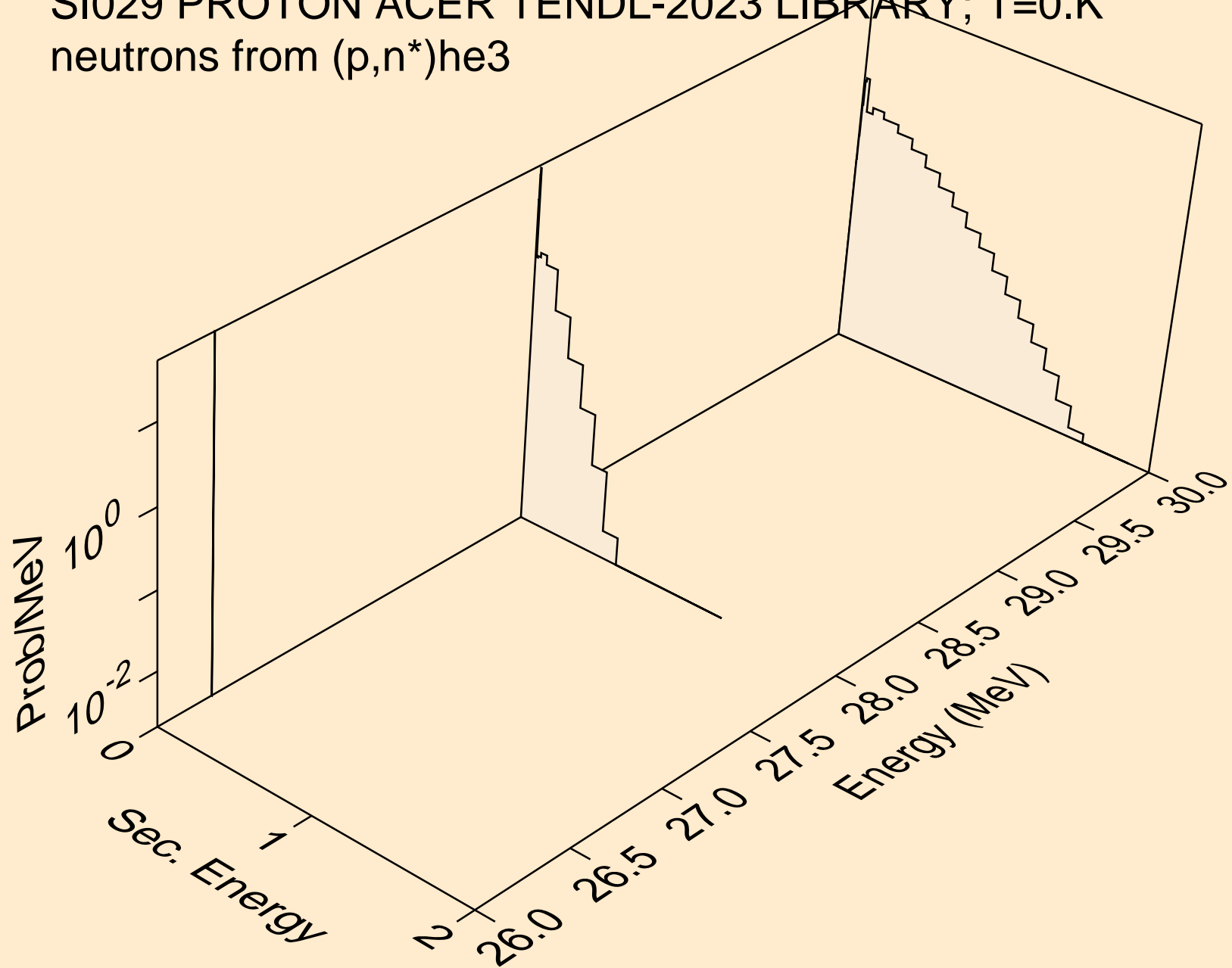
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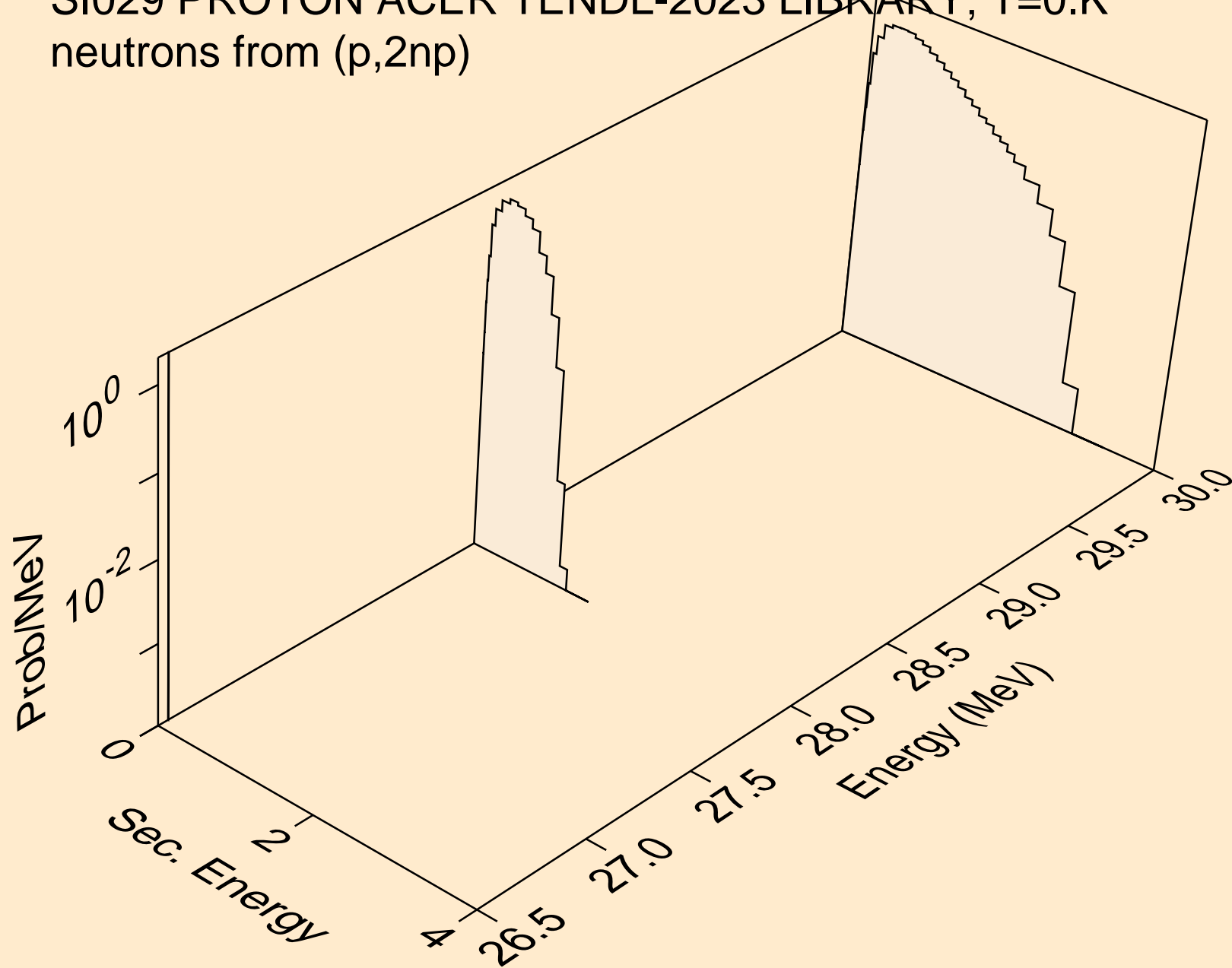
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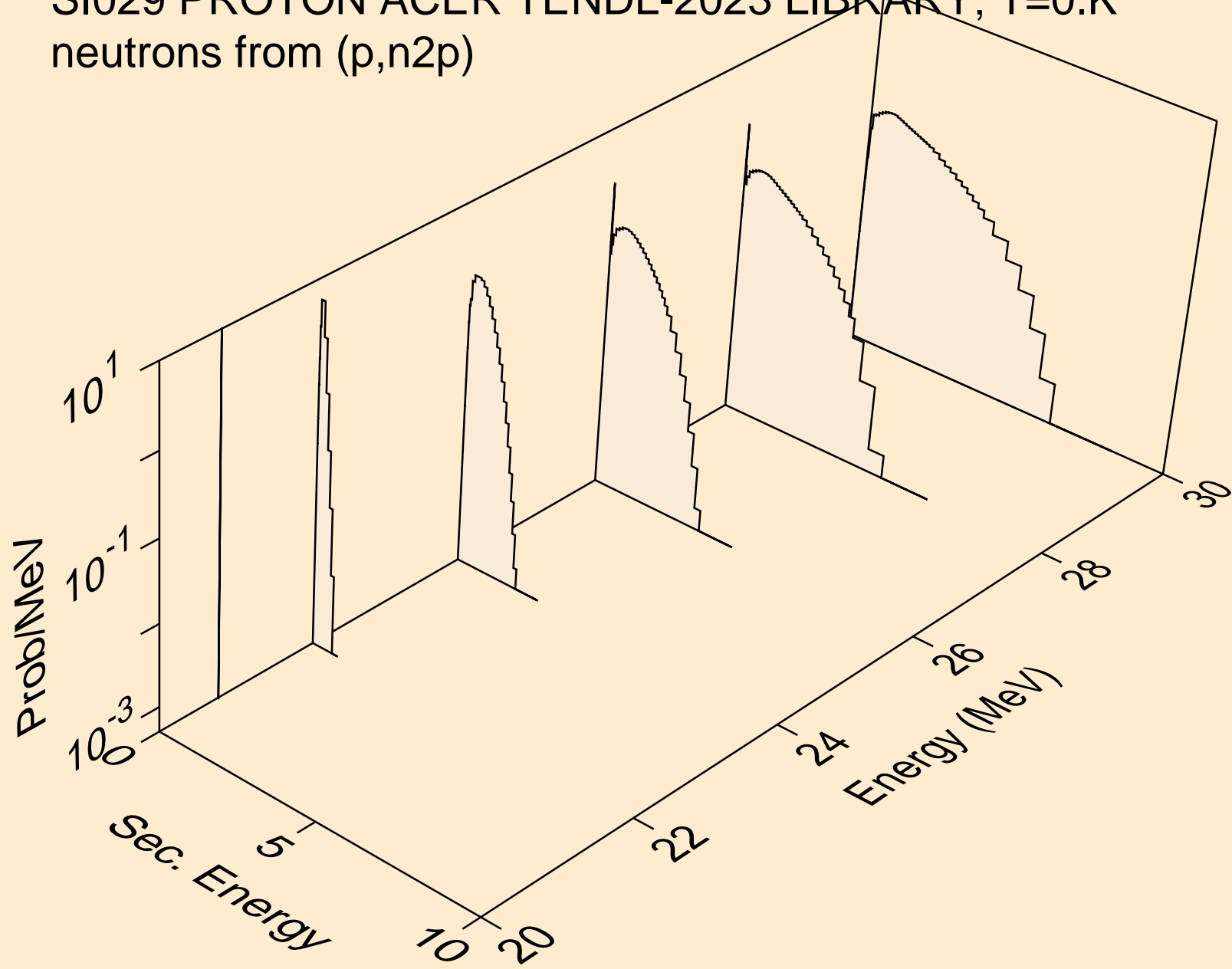
SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



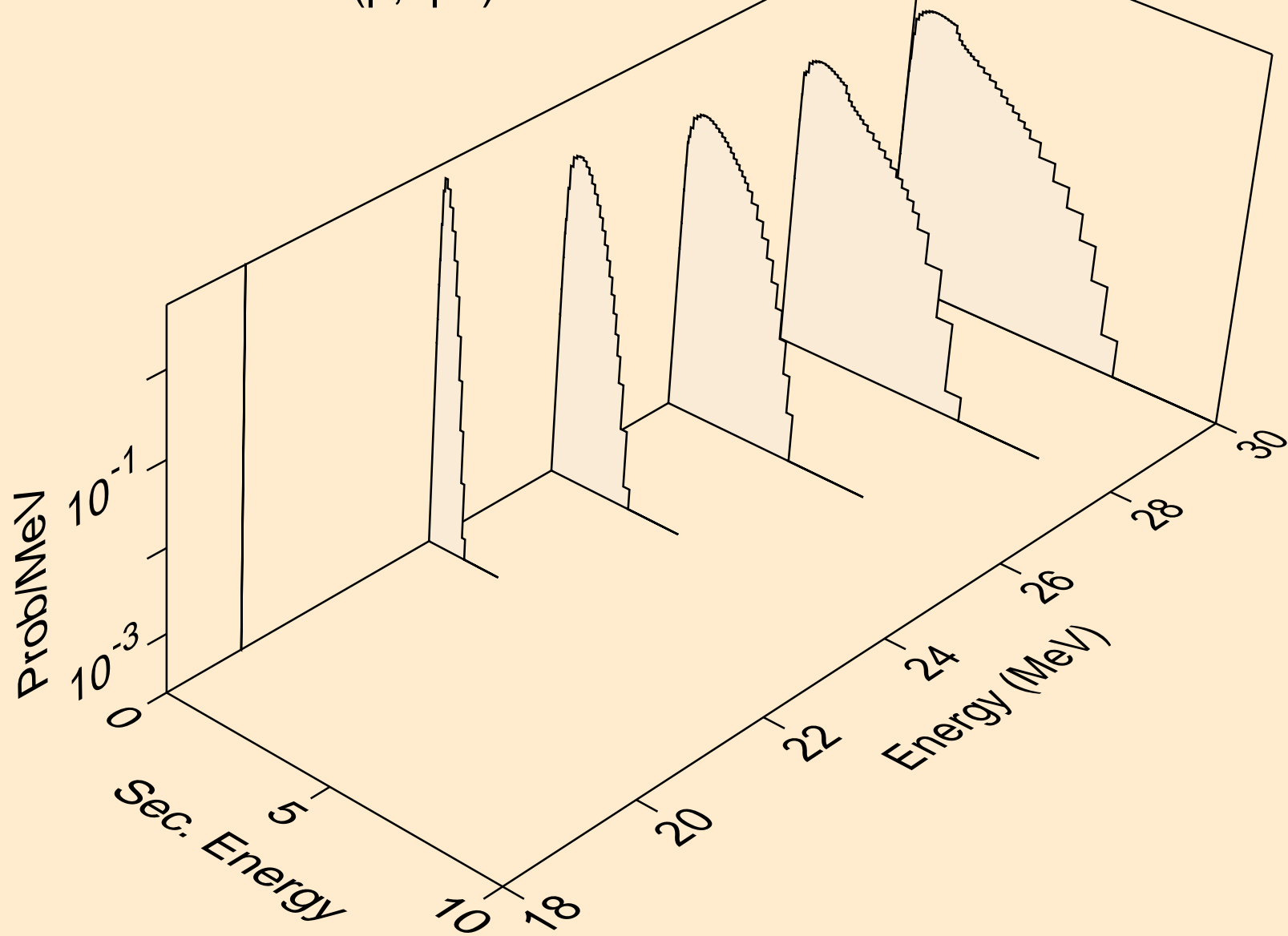
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neutrons from (p,2np)



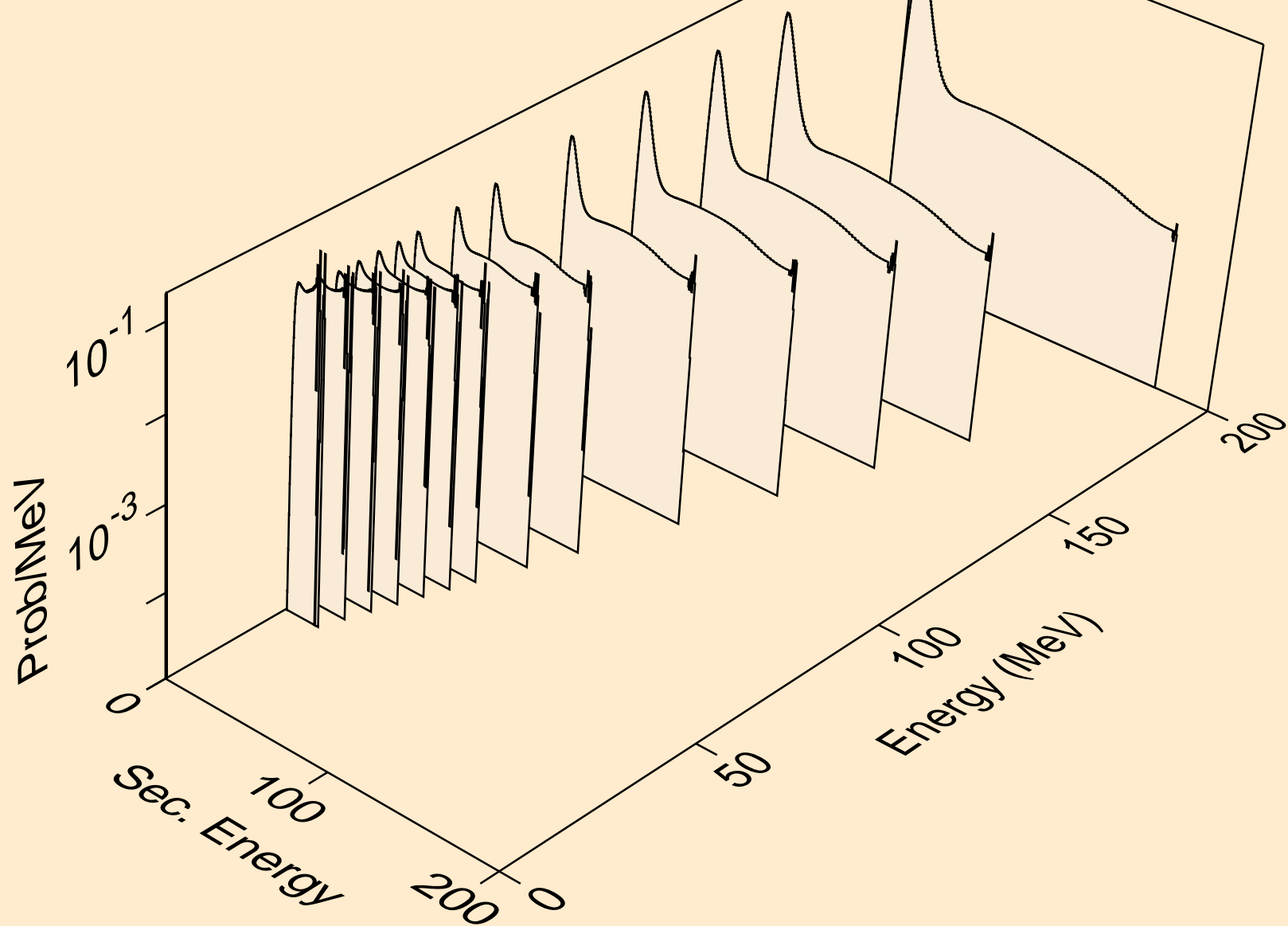
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neutrons from (p,n2p)



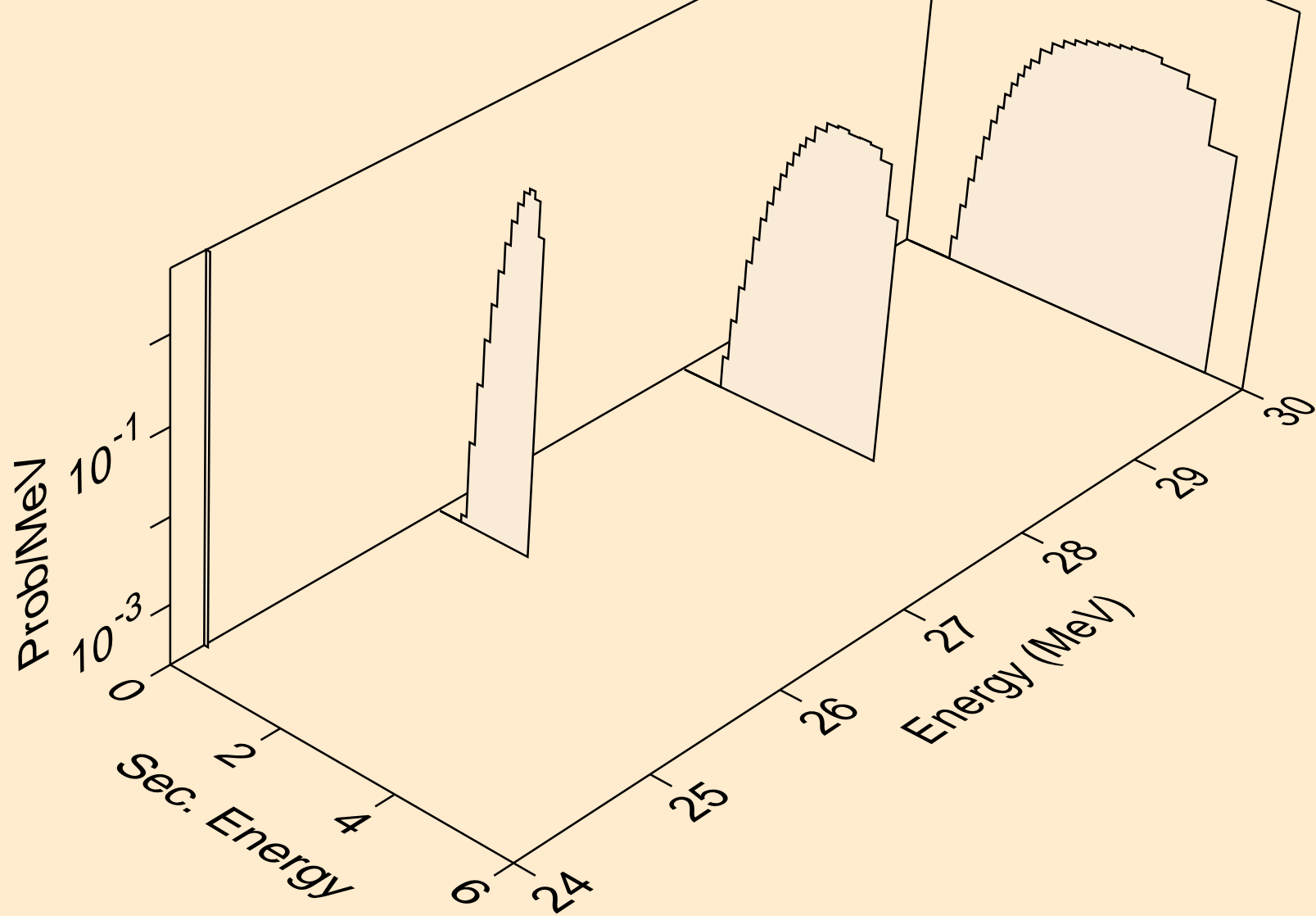
SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,npa)



SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,x)

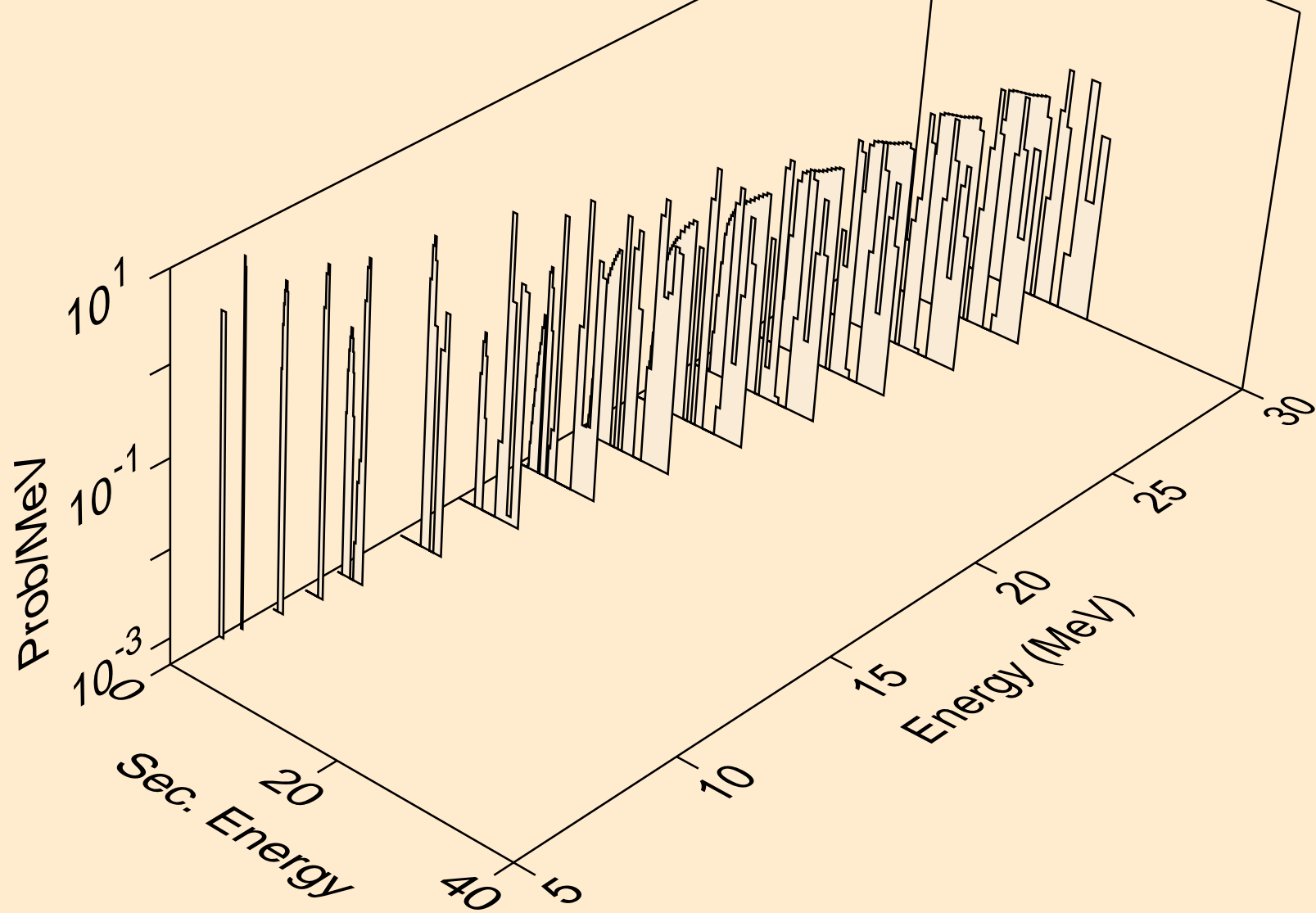


SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,n\*)d

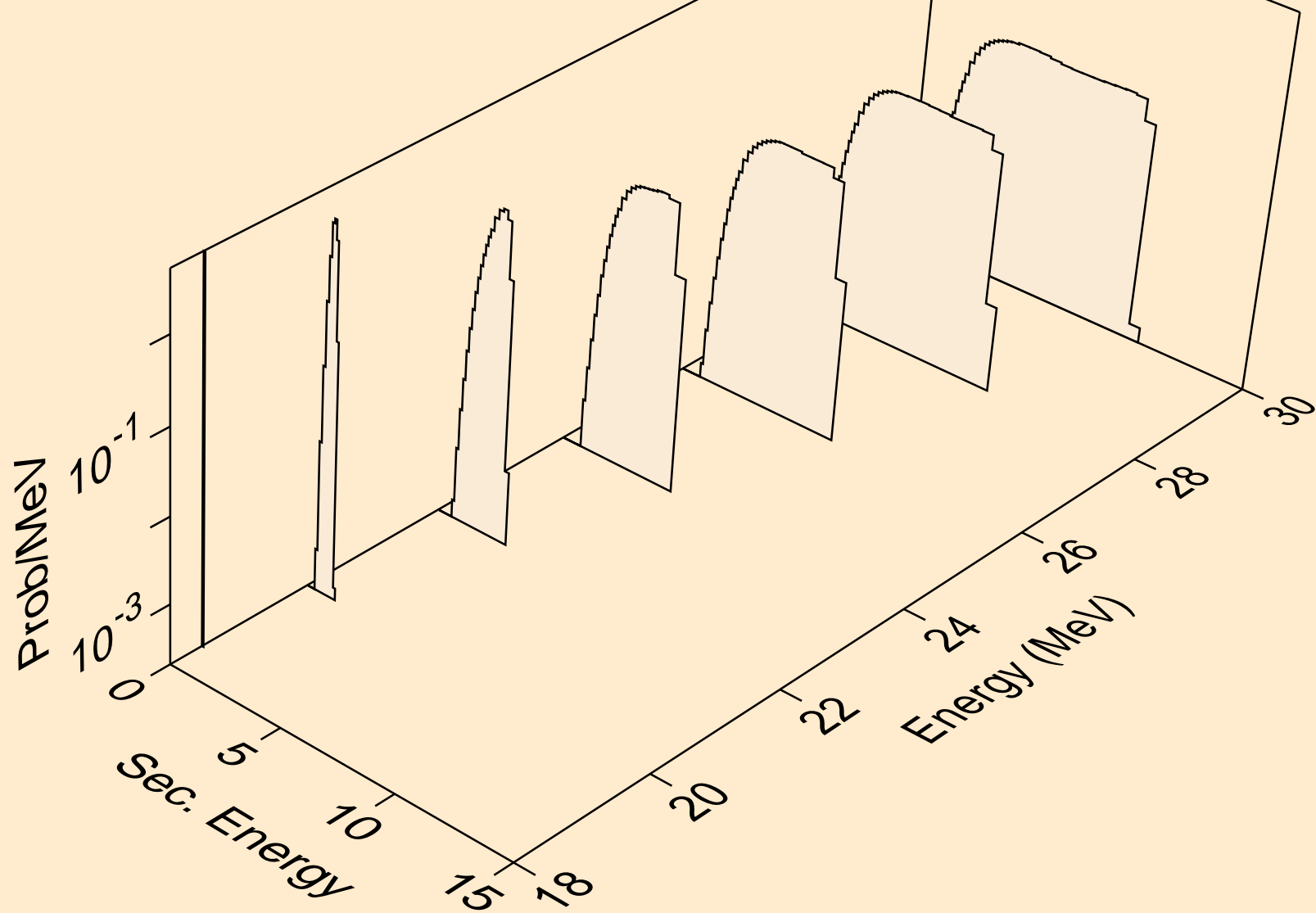




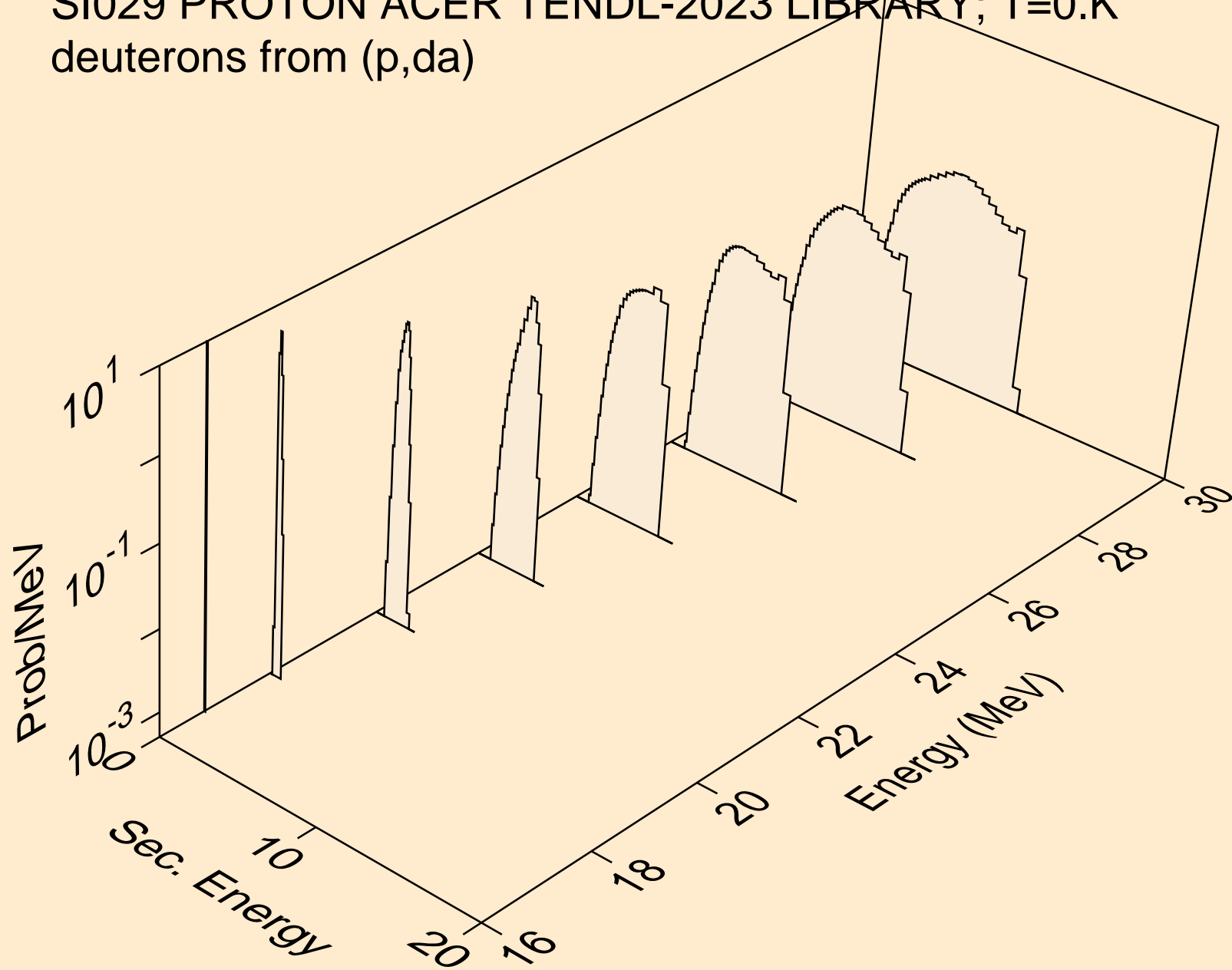
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deuterons from (p,d)



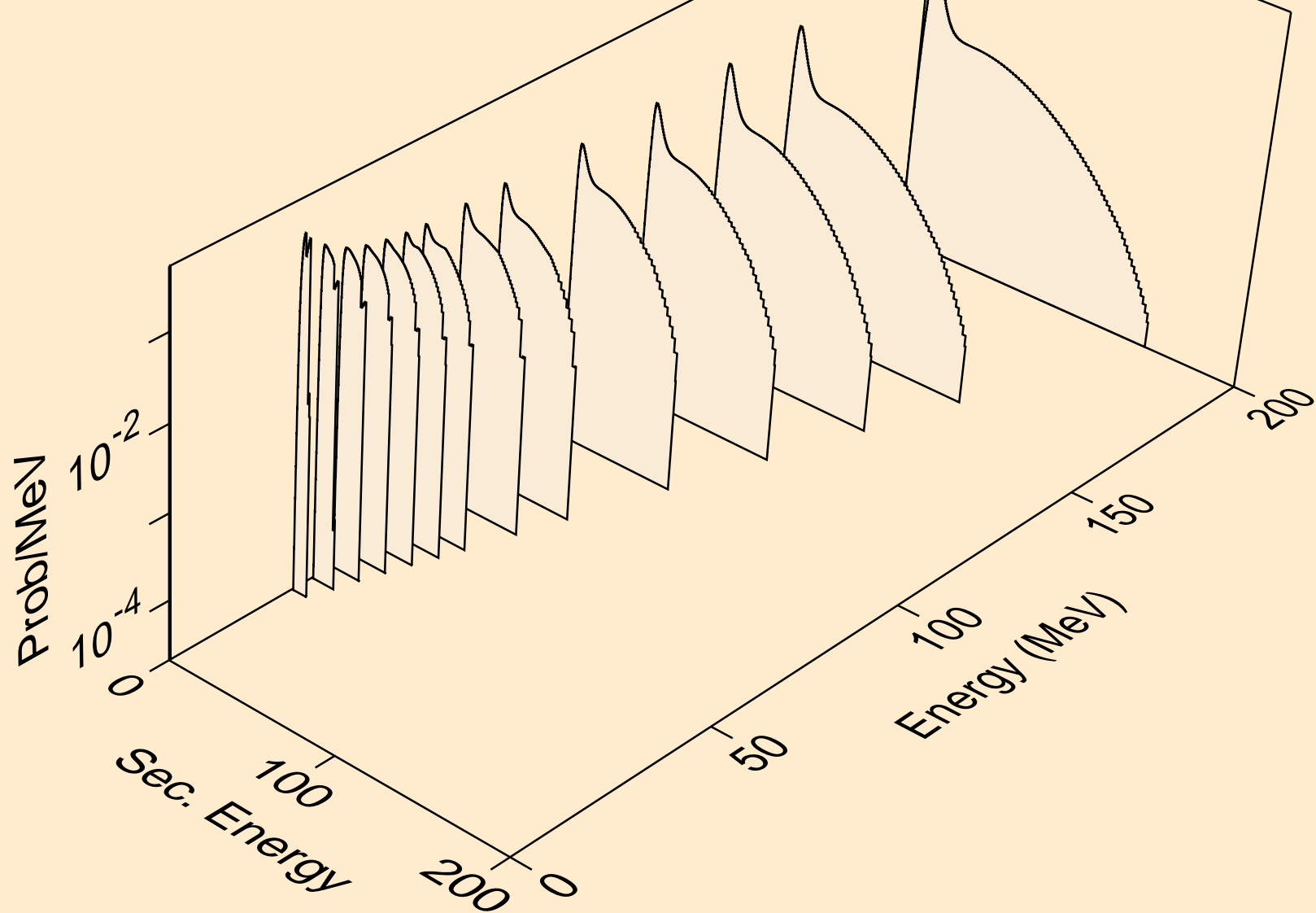
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deuterons from (p,pd)



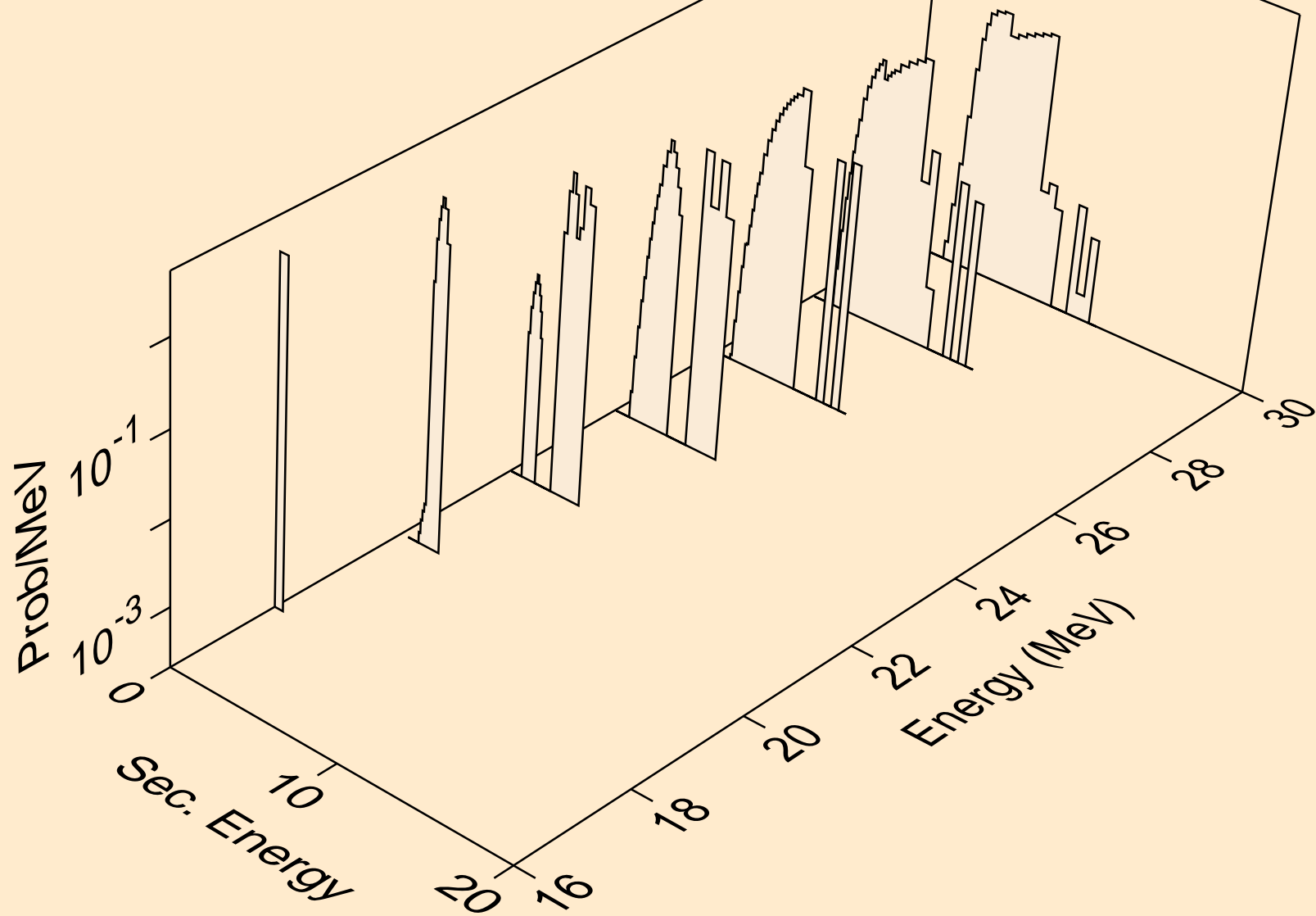
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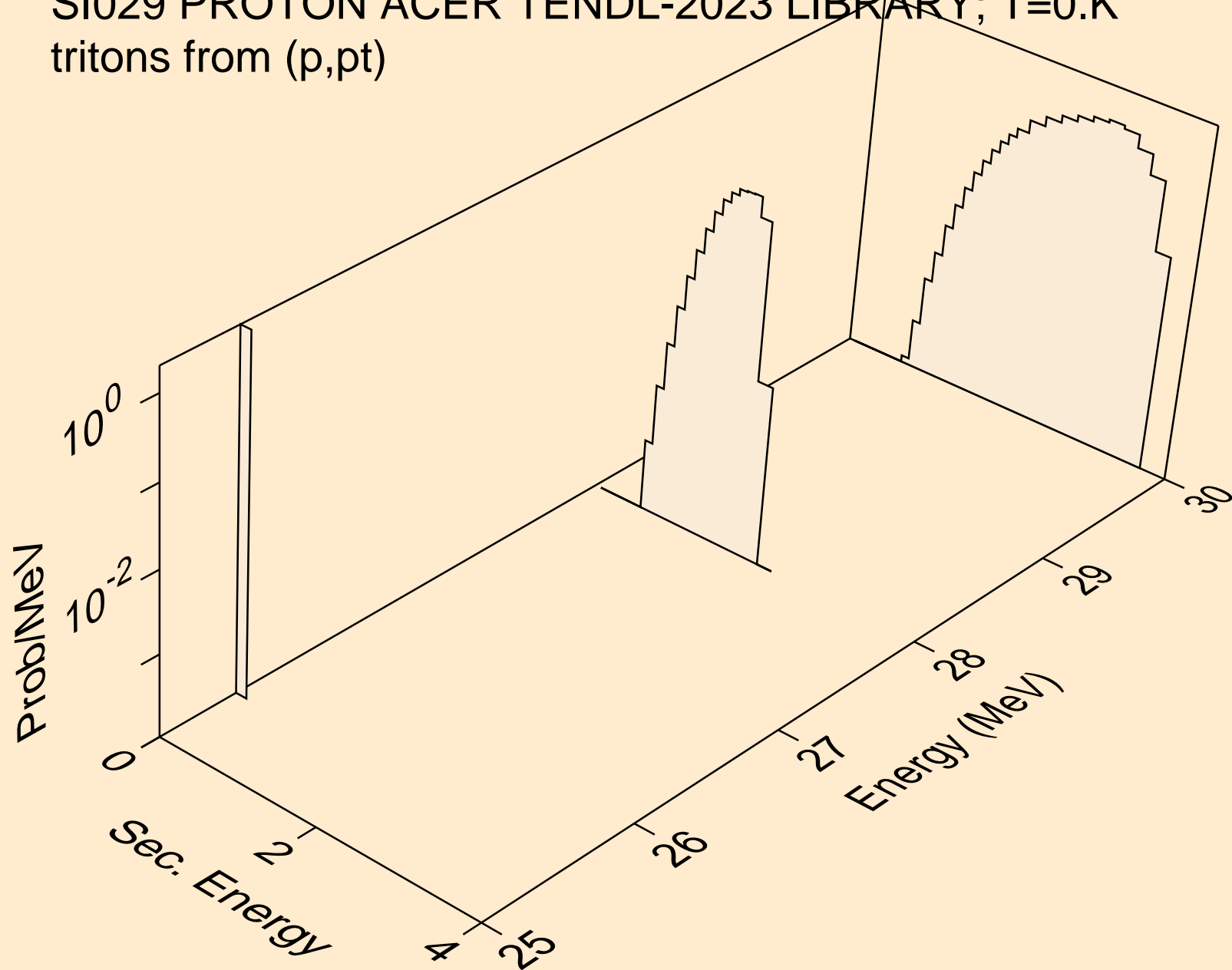
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tritons from (p,x)



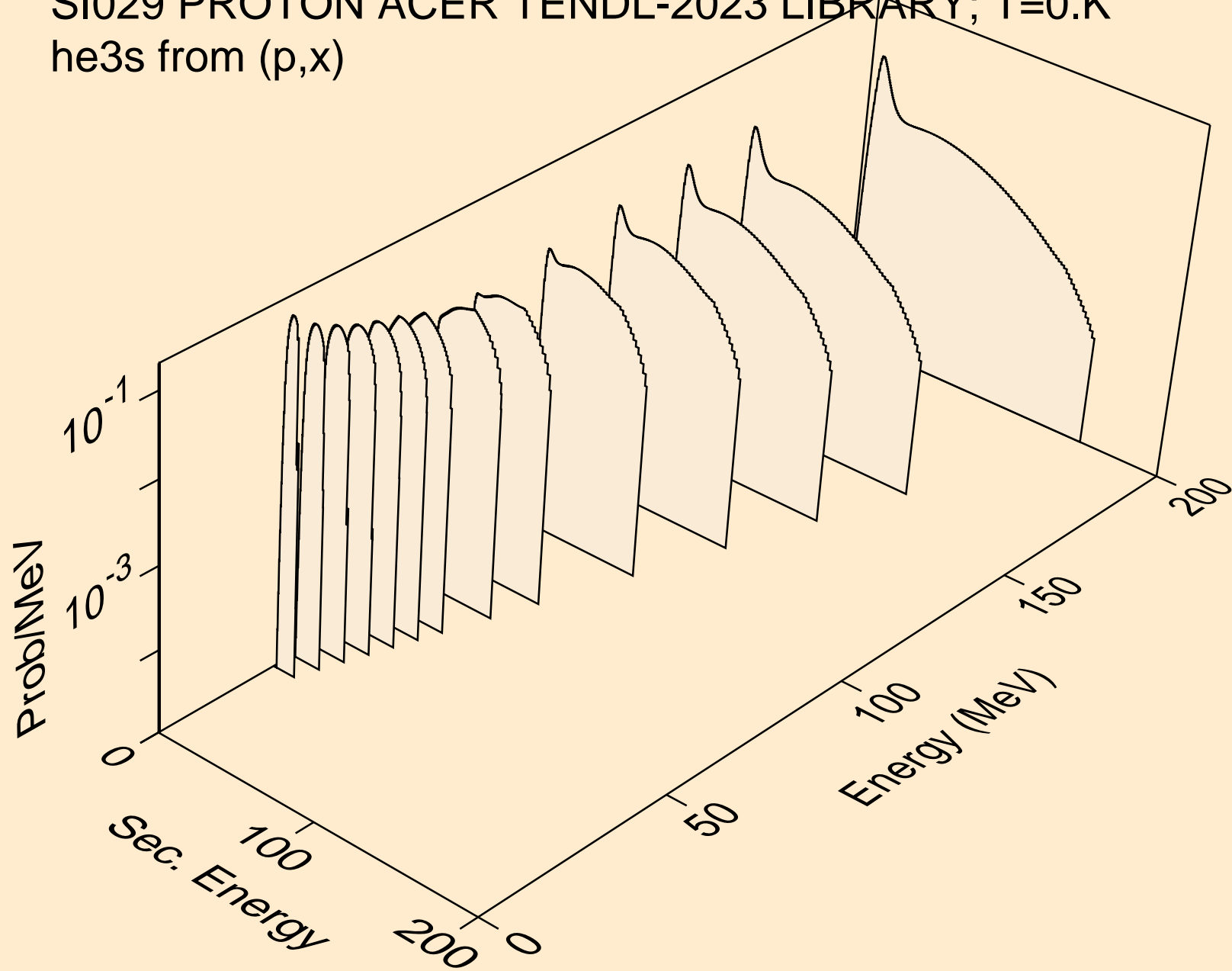
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tritons from (p,t)



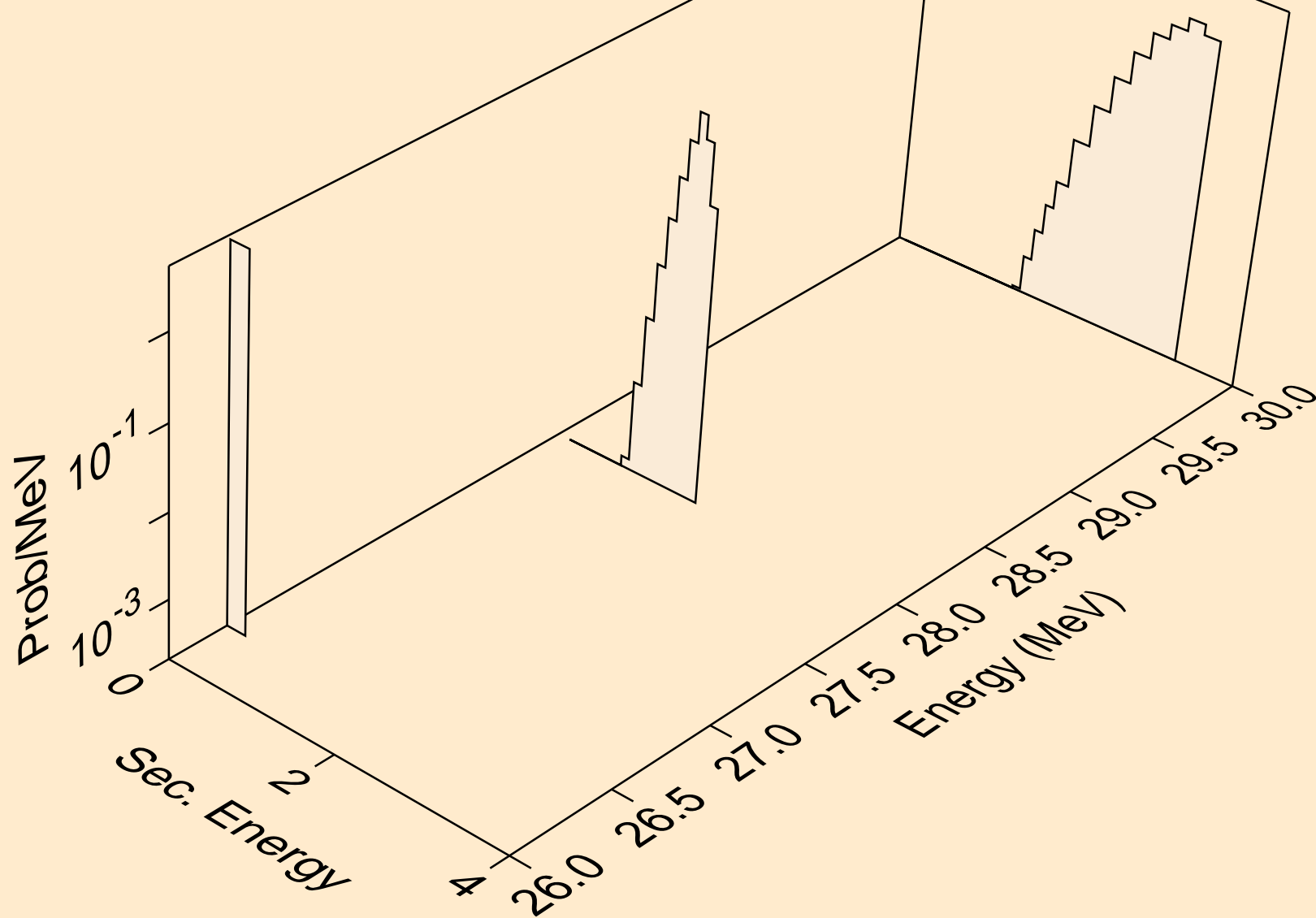
SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,pt)



SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,x)

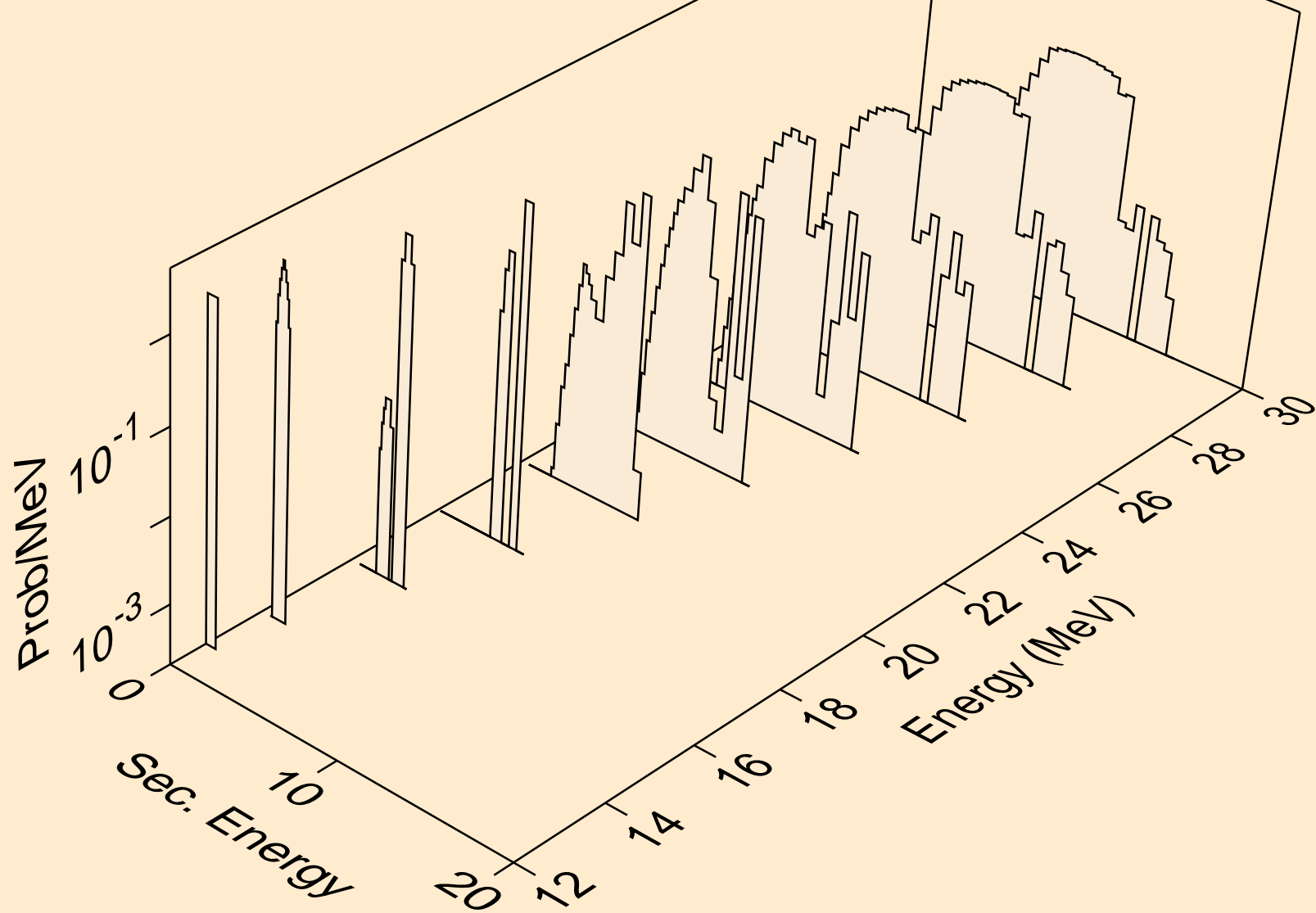


SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
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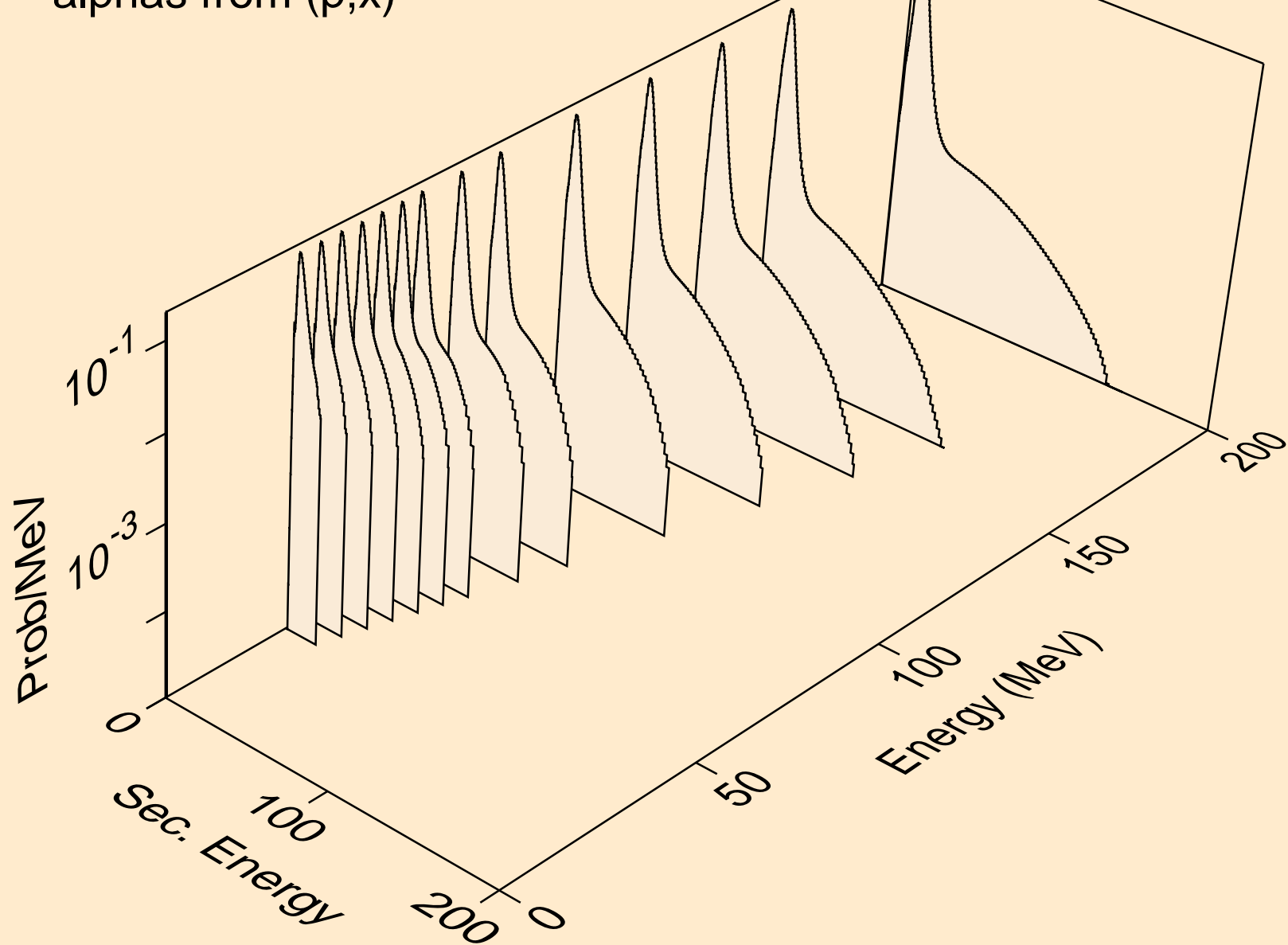




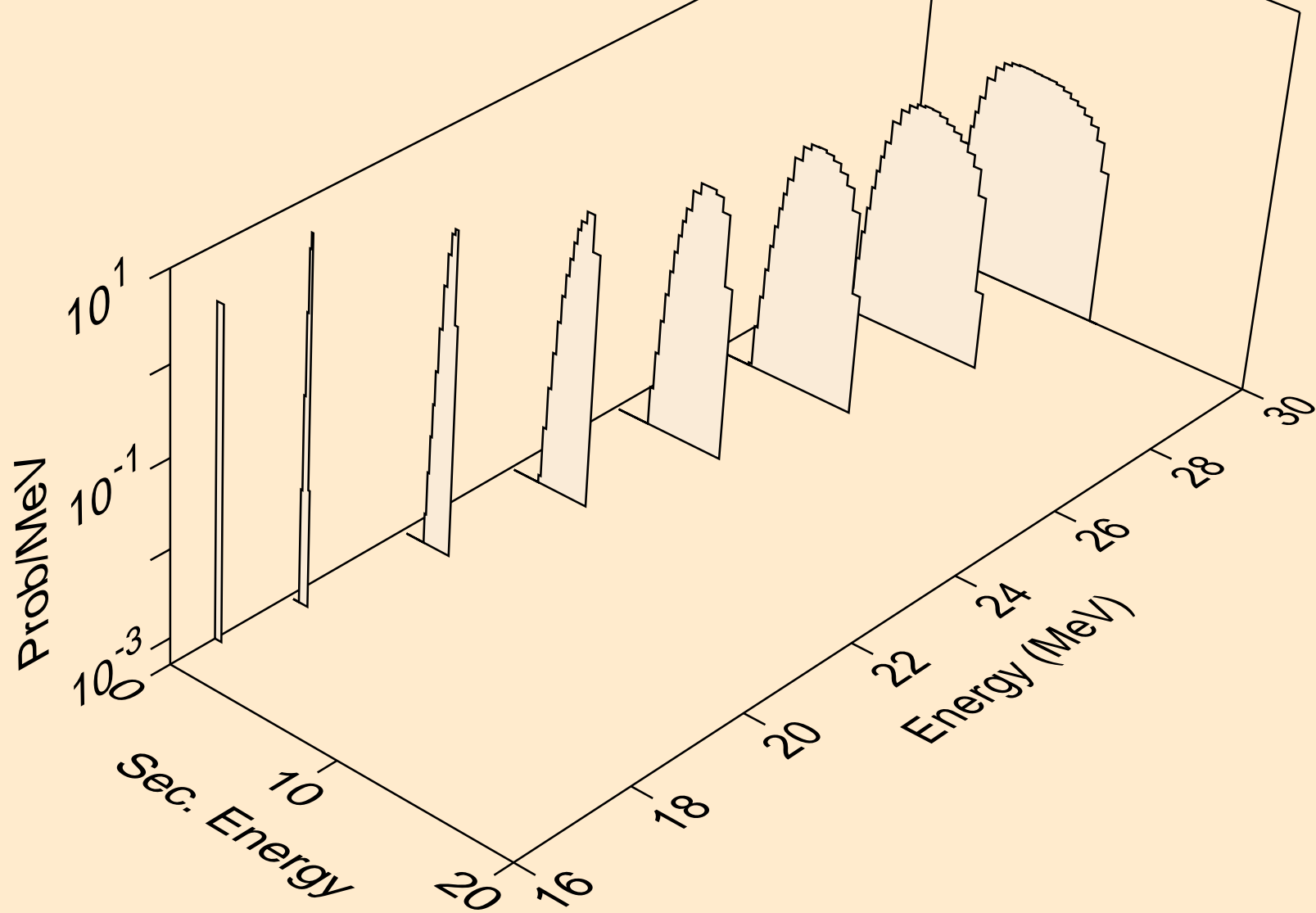
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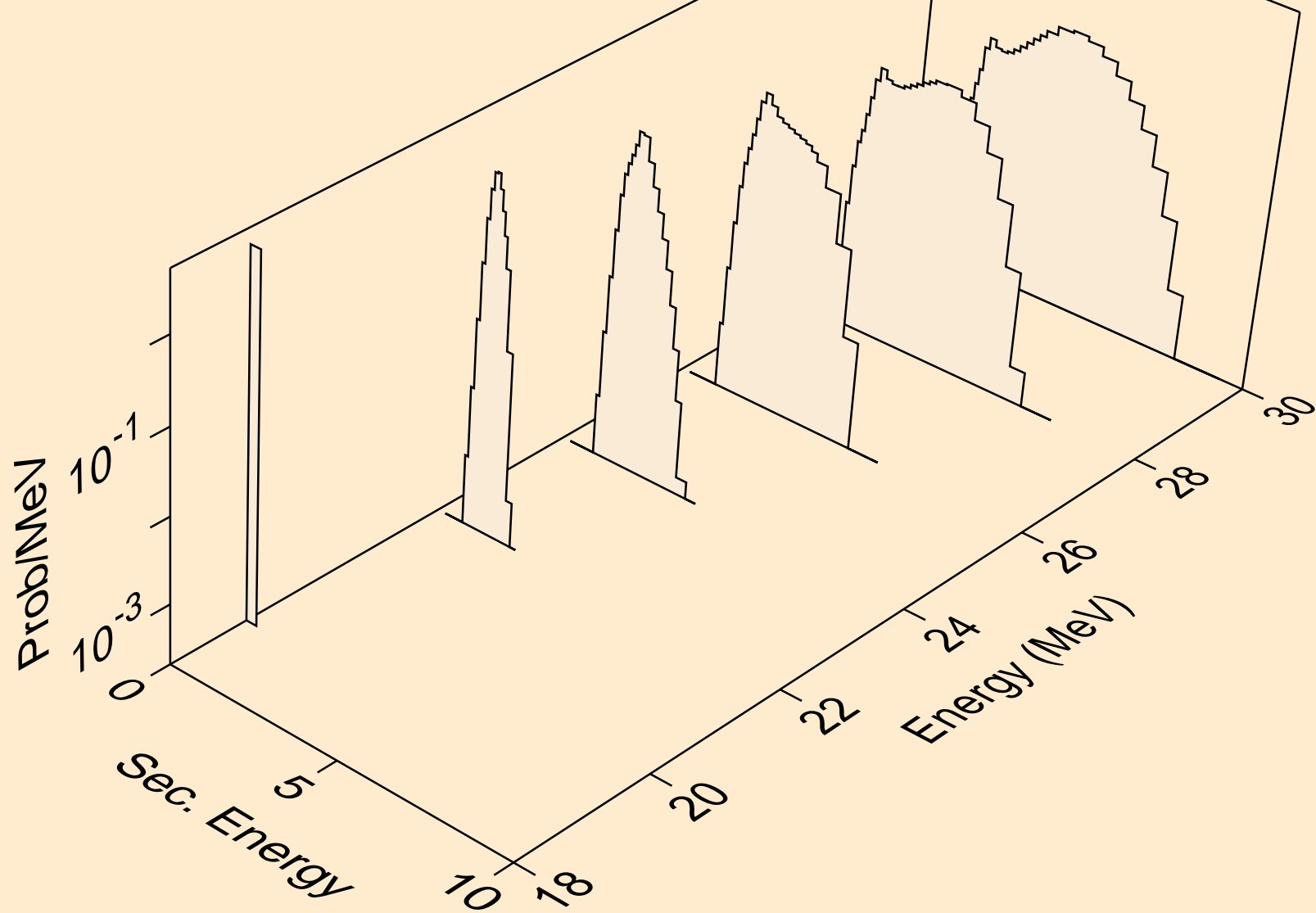
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alphas from (p,x)



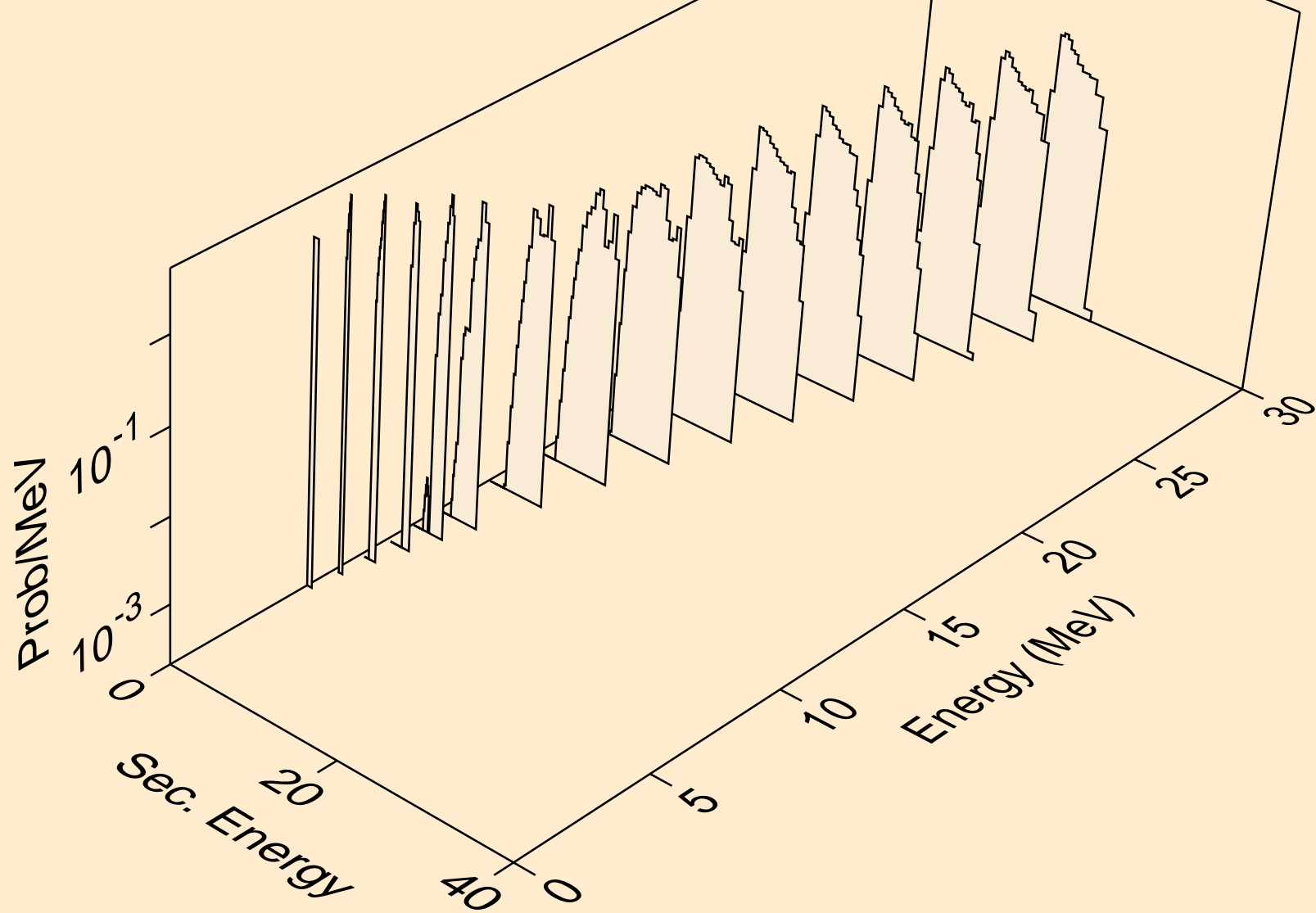
SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a



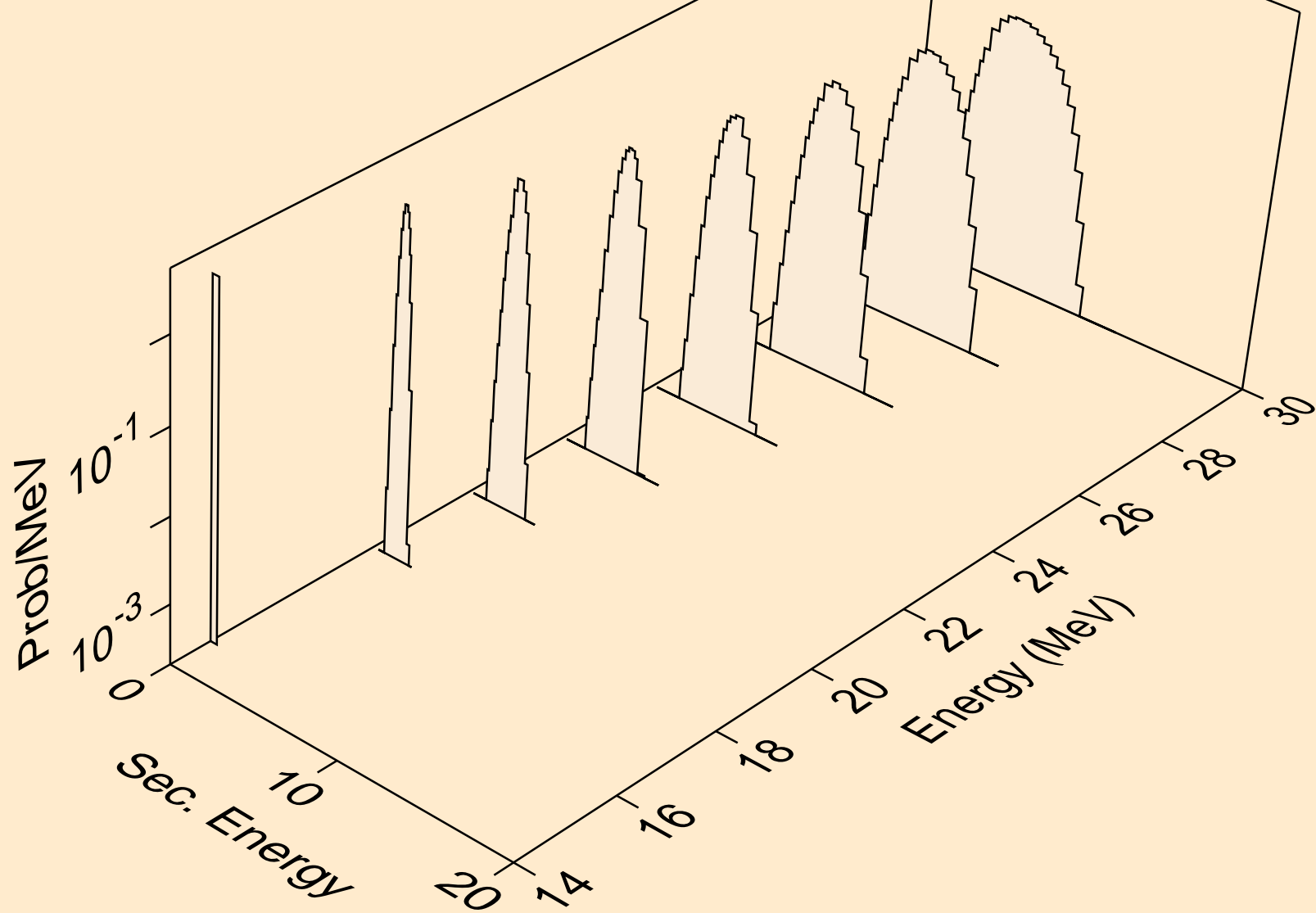
SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,npa)



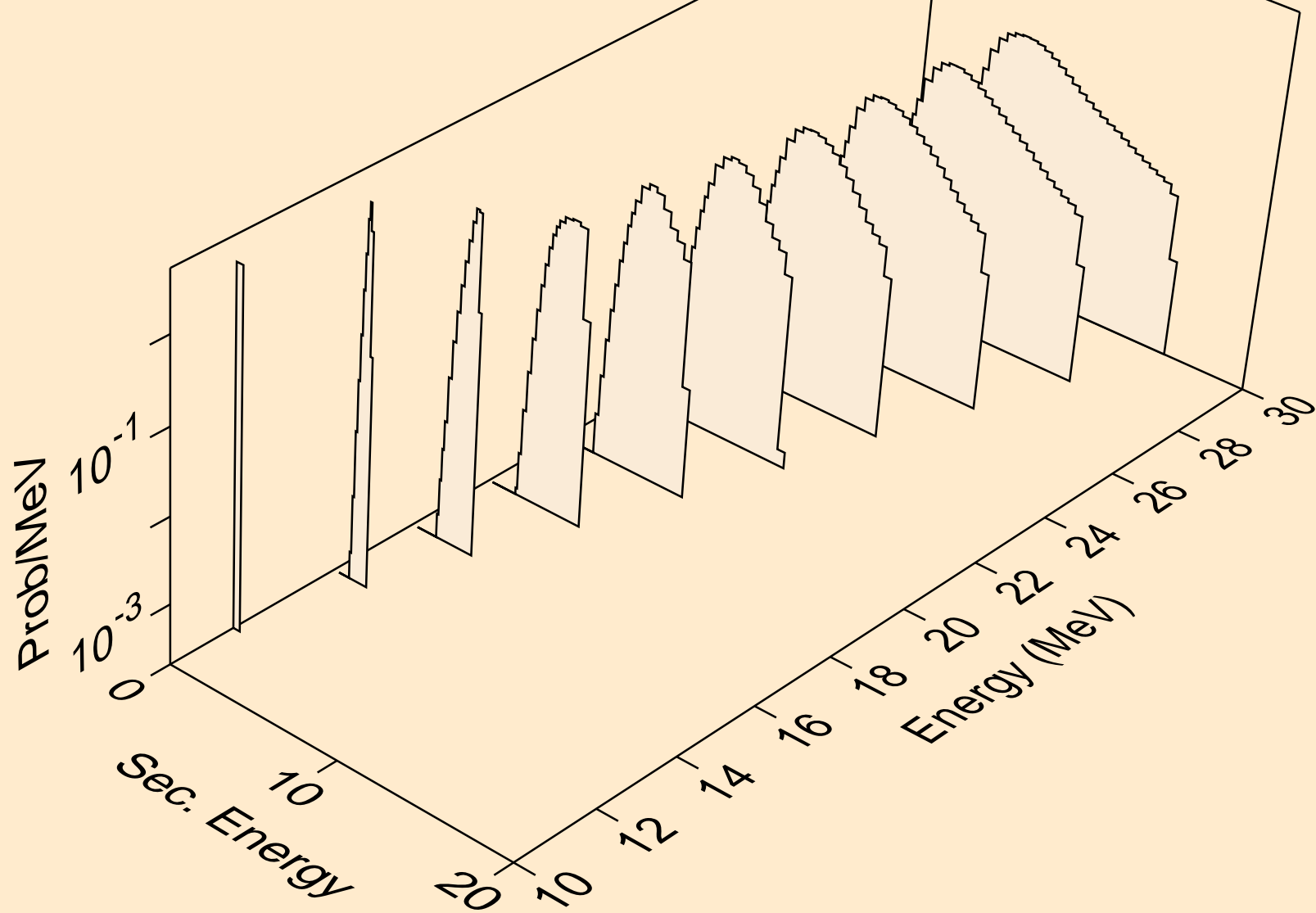
SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,a)



SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2a)



SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,pa)



SI029 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,da)

