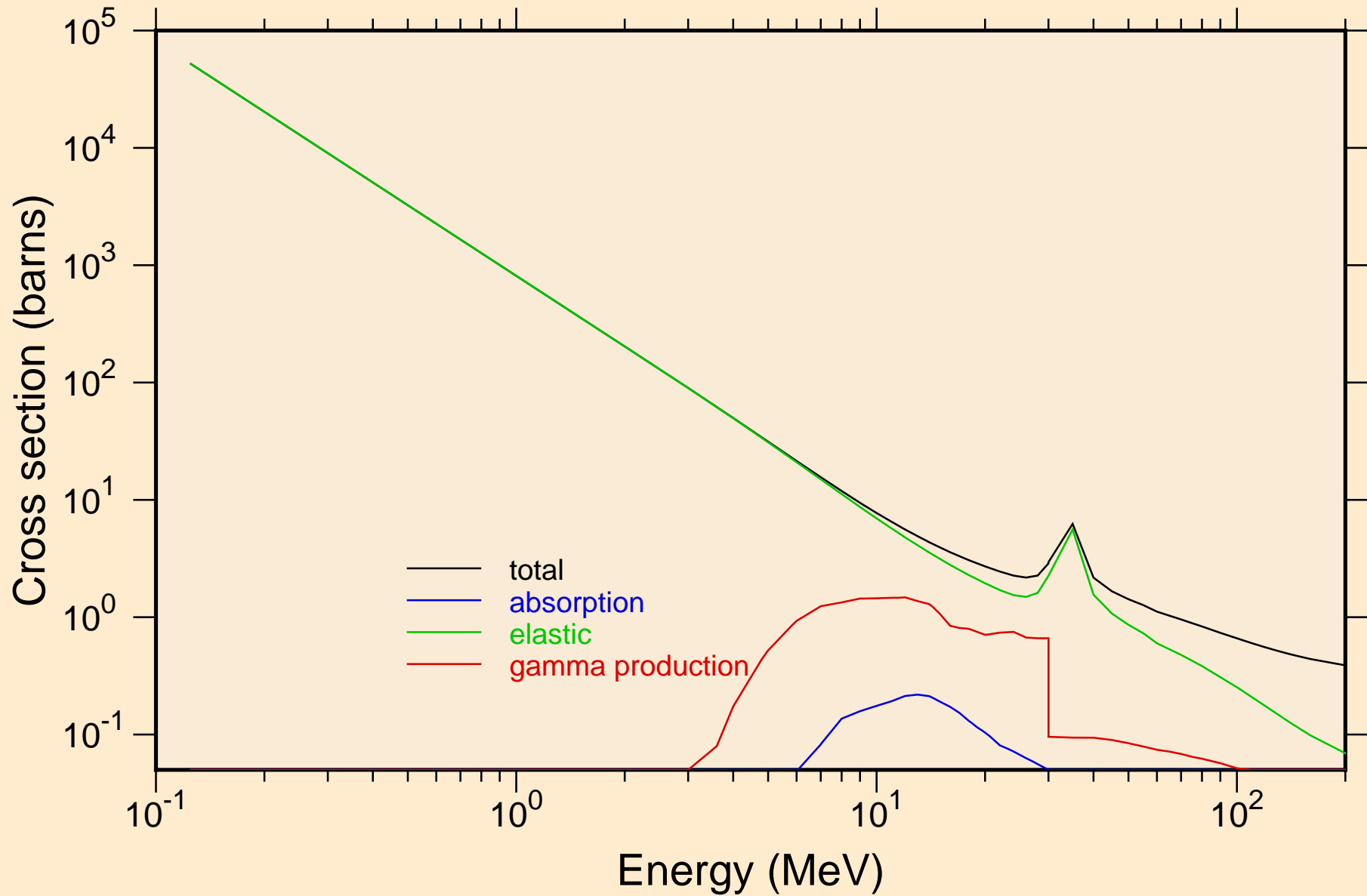


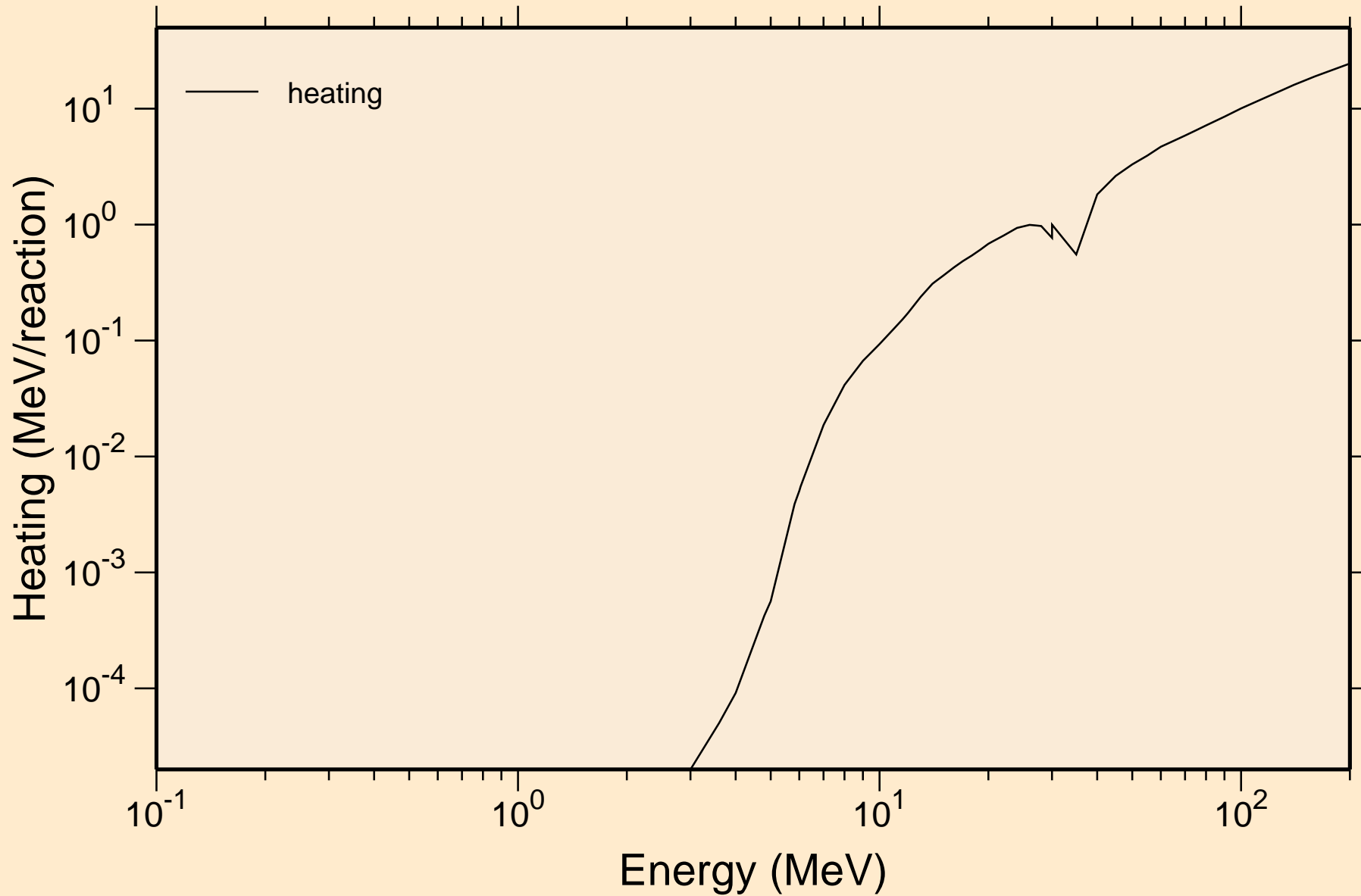
# NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



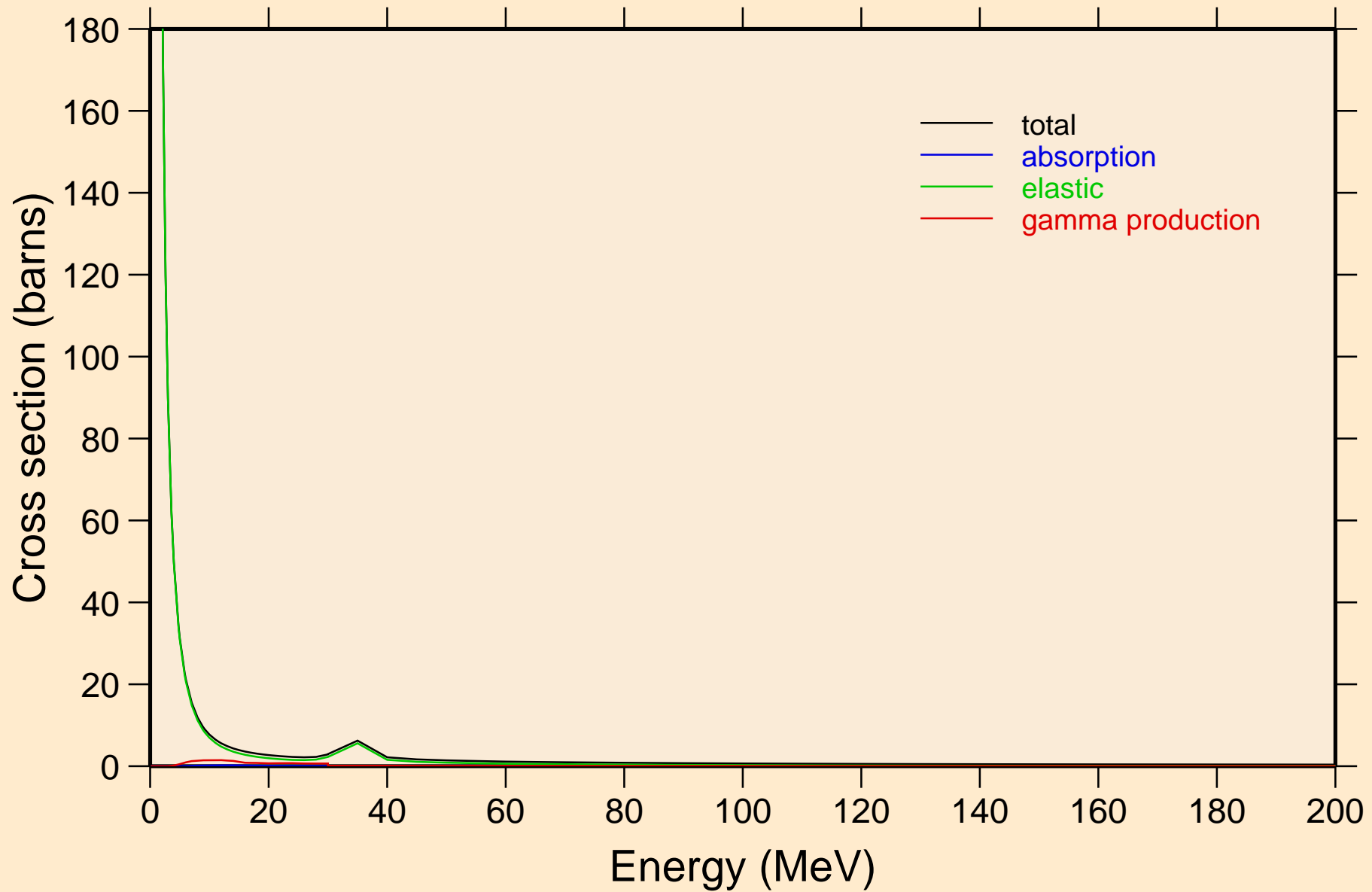
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## Heating



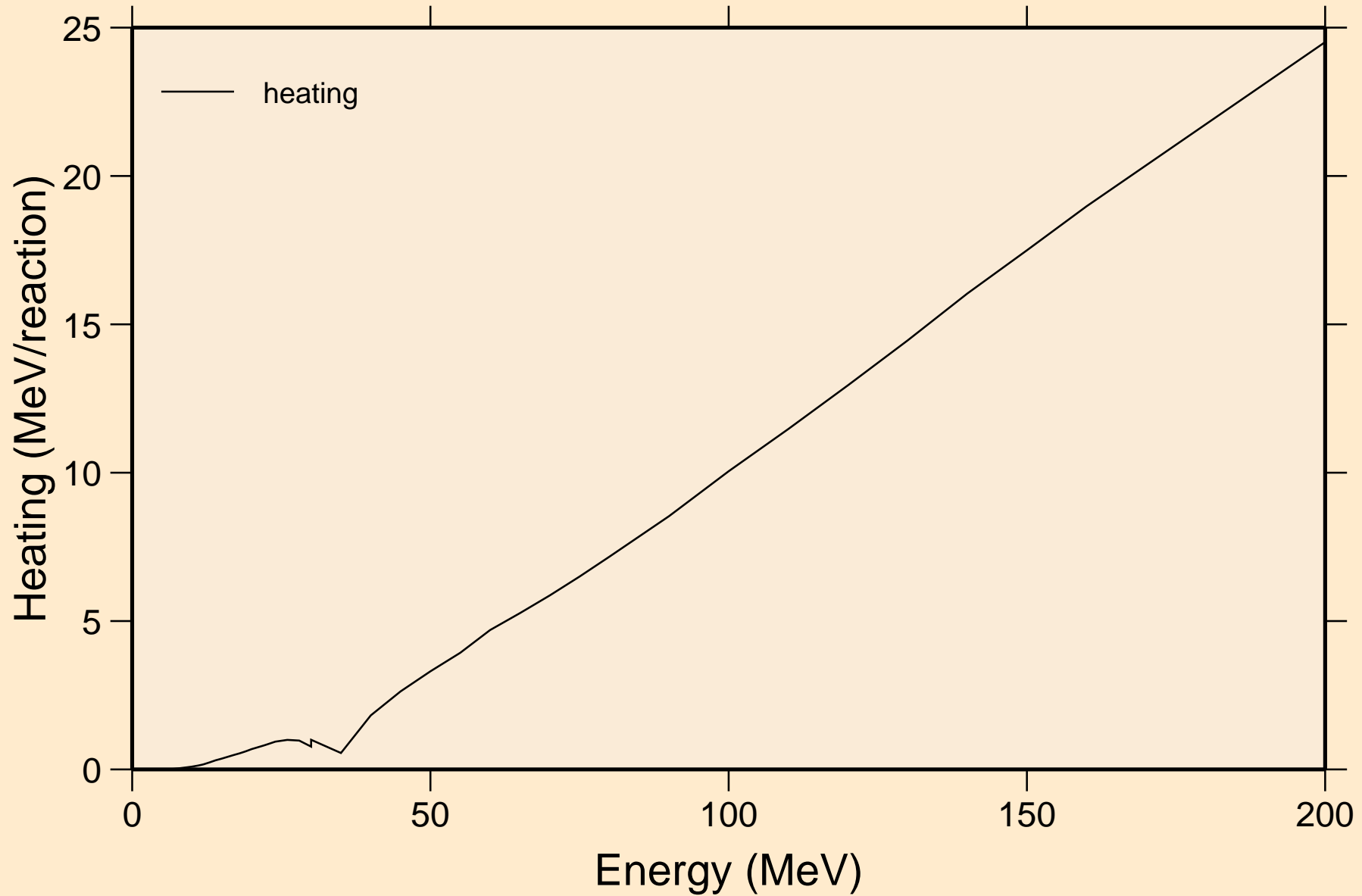
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## Principal cross sections



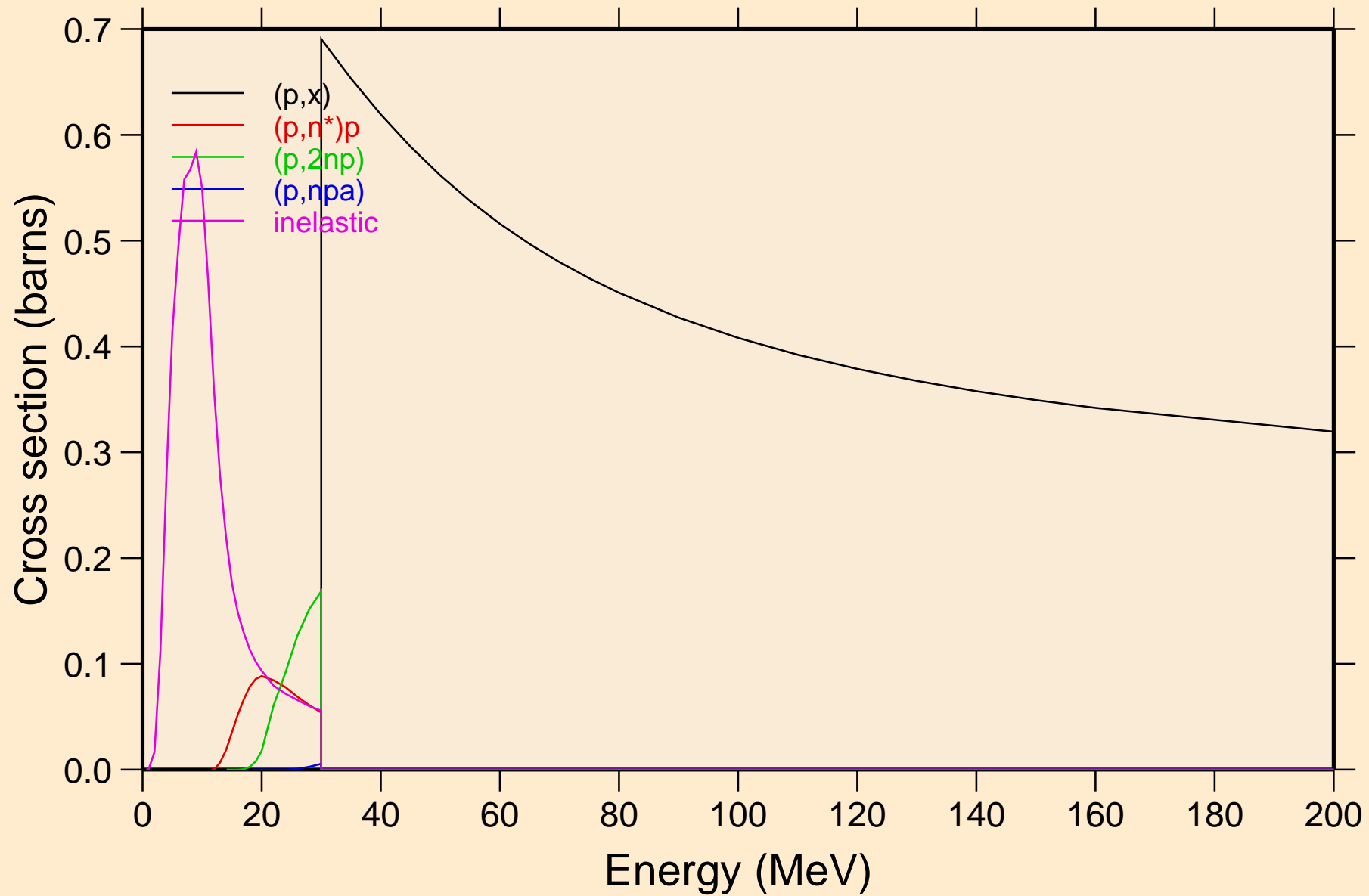
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## Heating



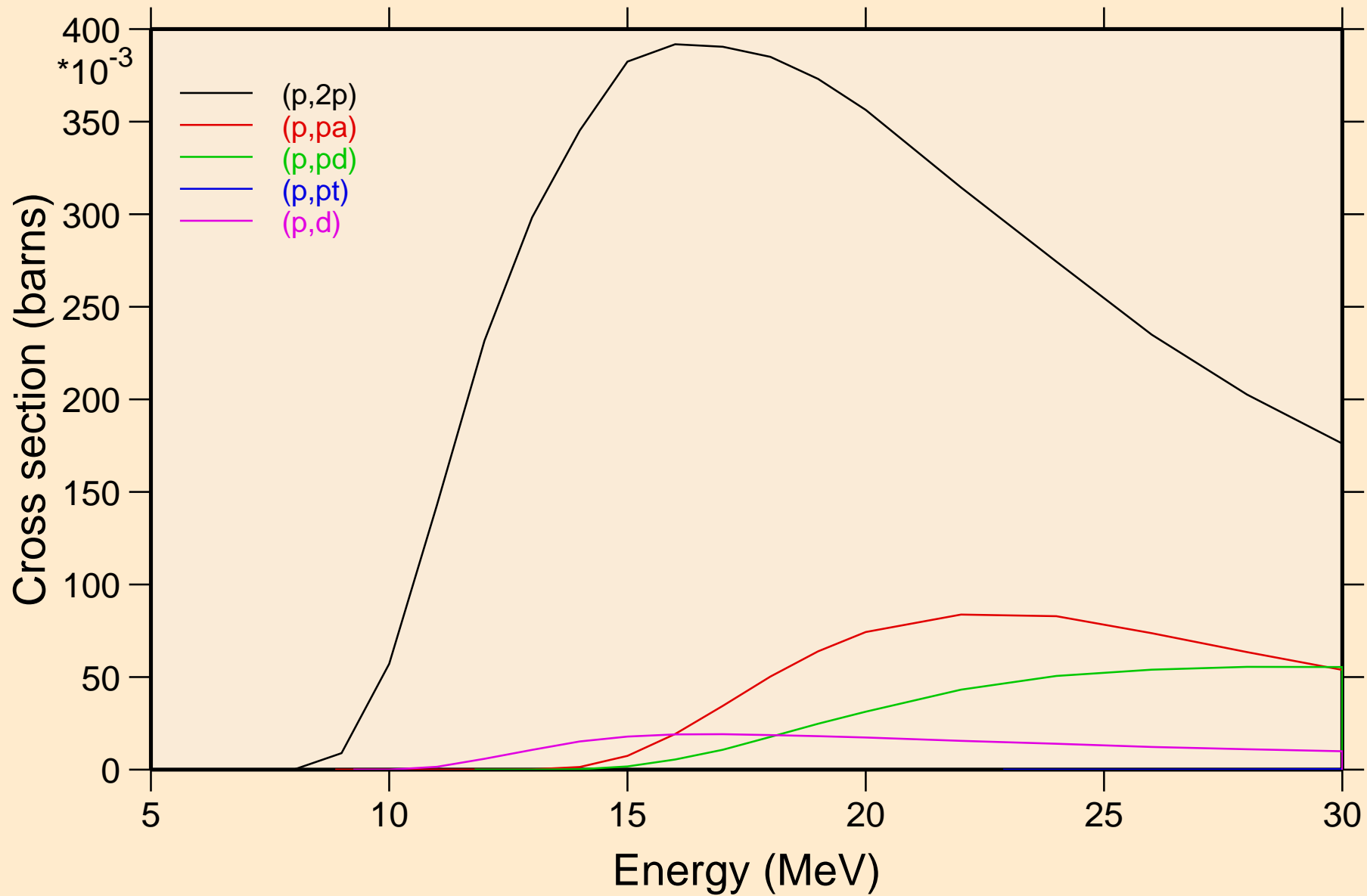
# NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



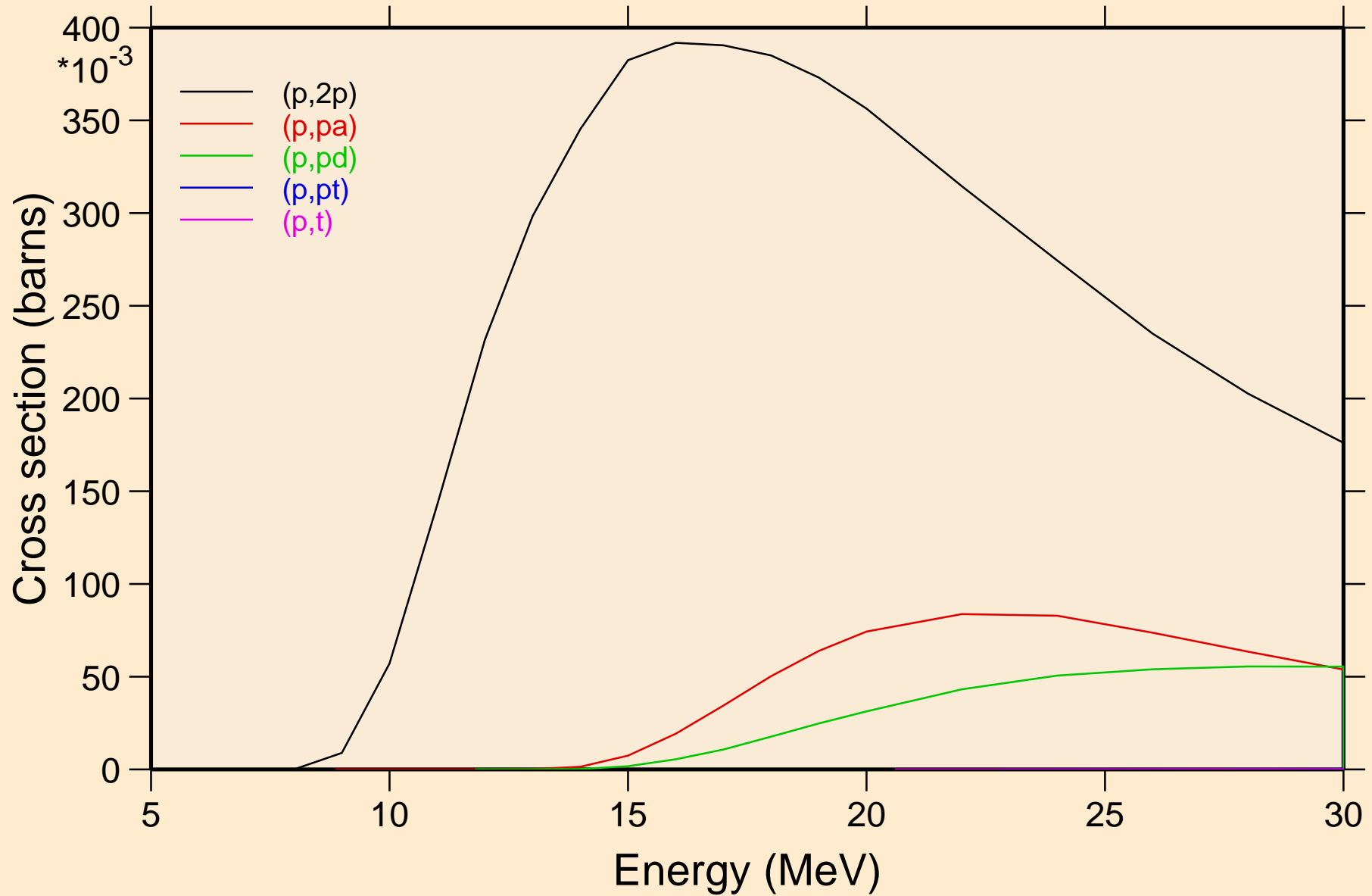
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## Threshold reactions



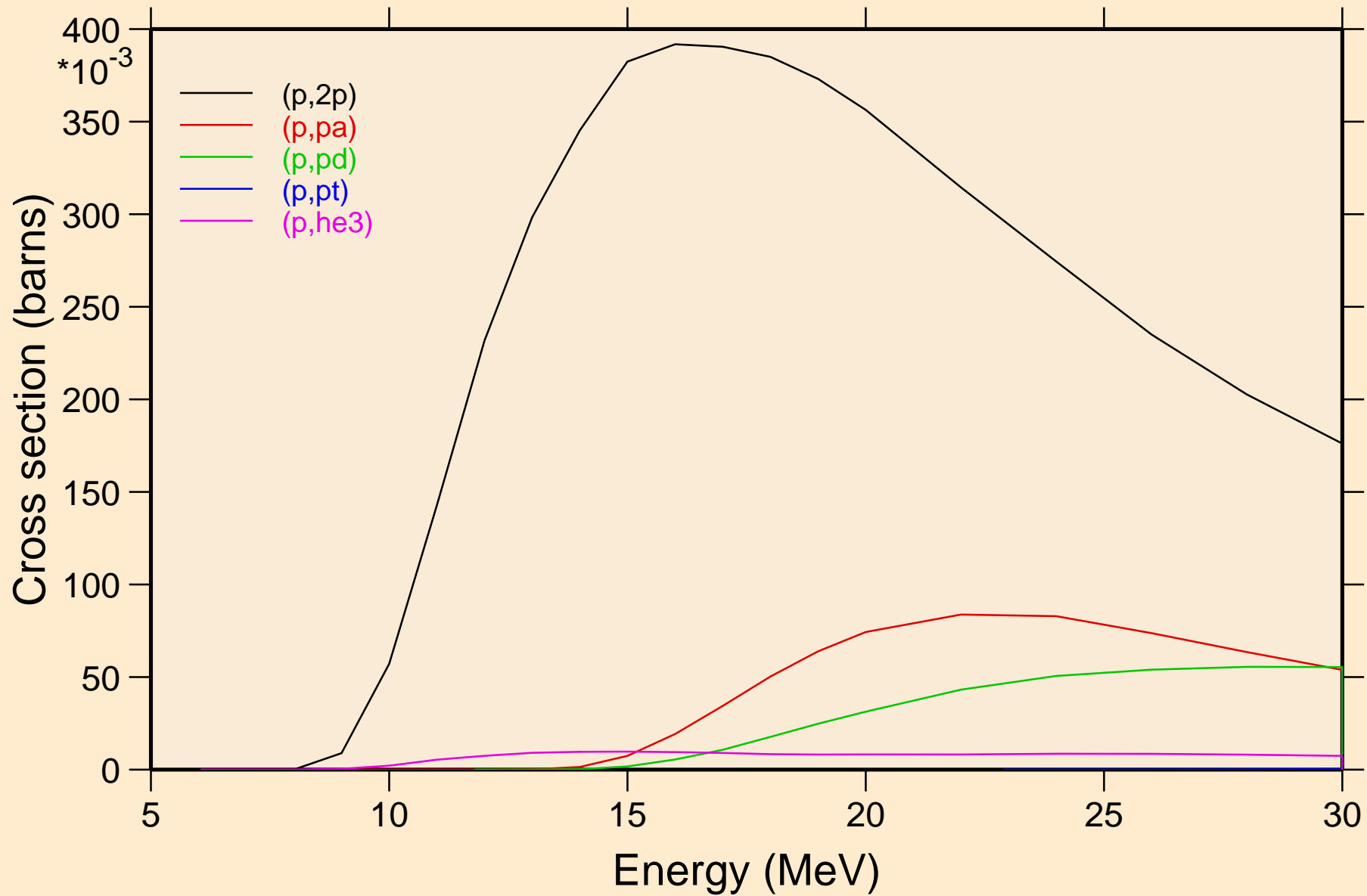
# NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



# NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K

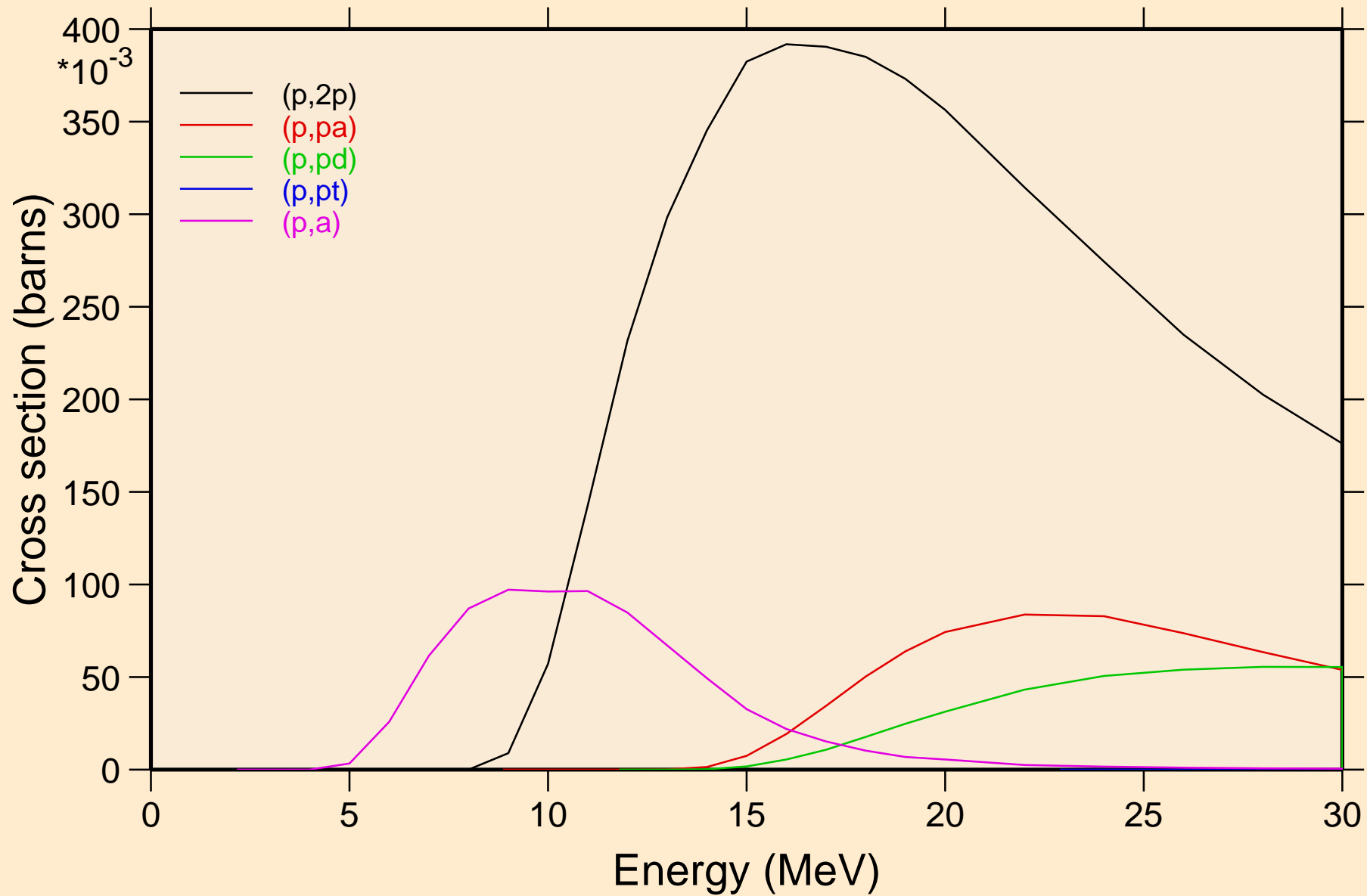
## Threshold reactions





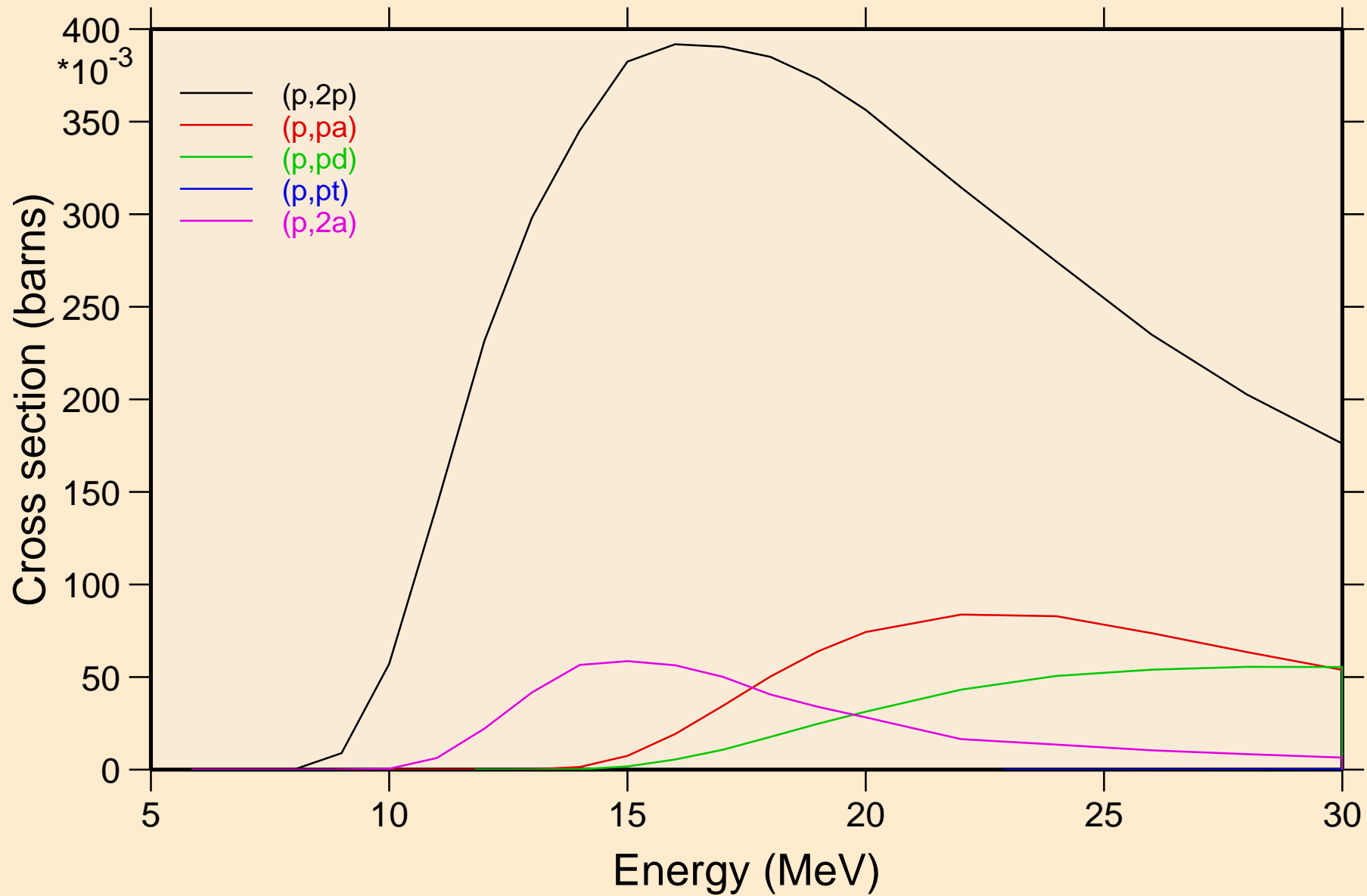
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## Threshold reactions



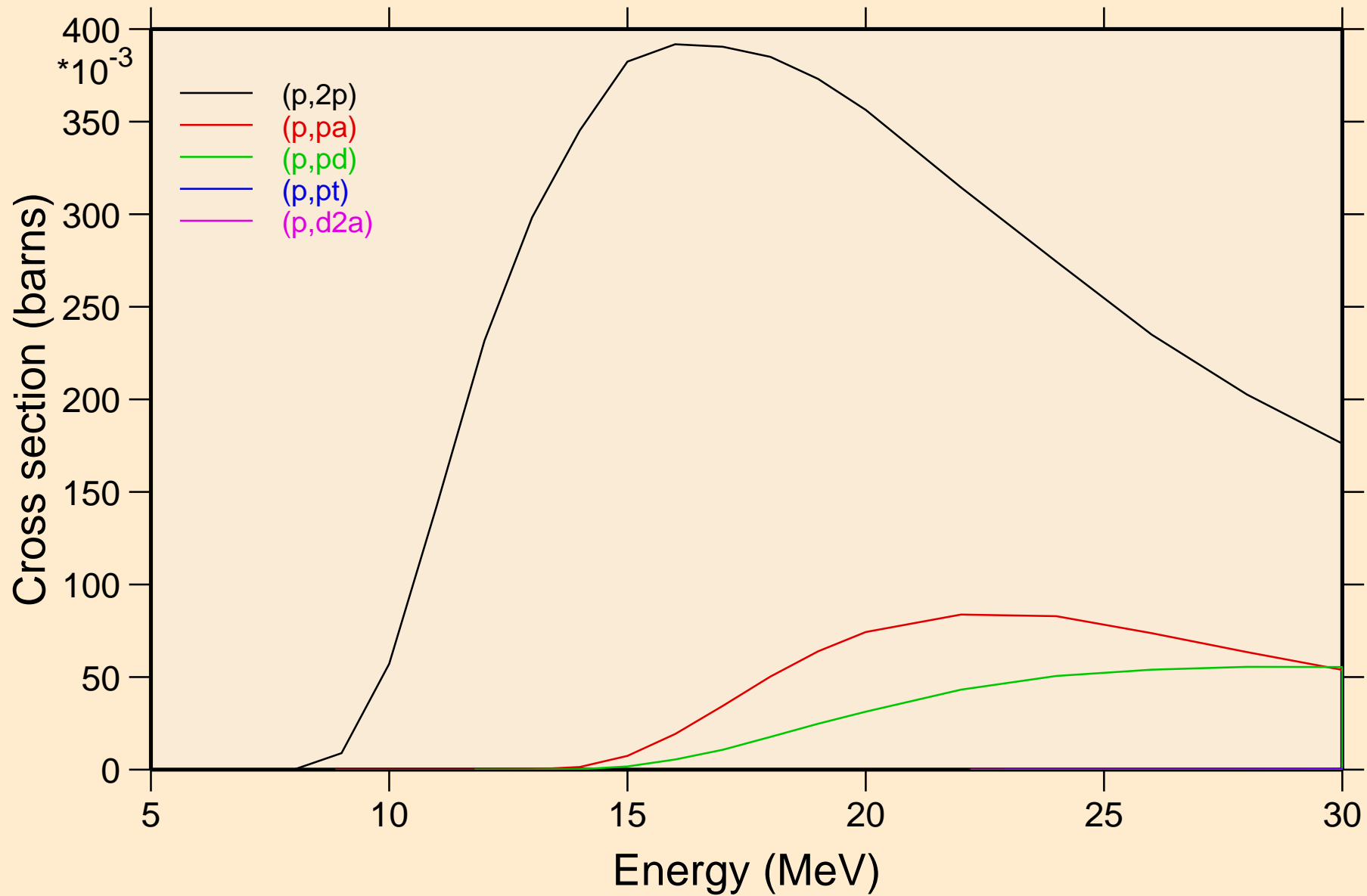
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## Threshold reactions

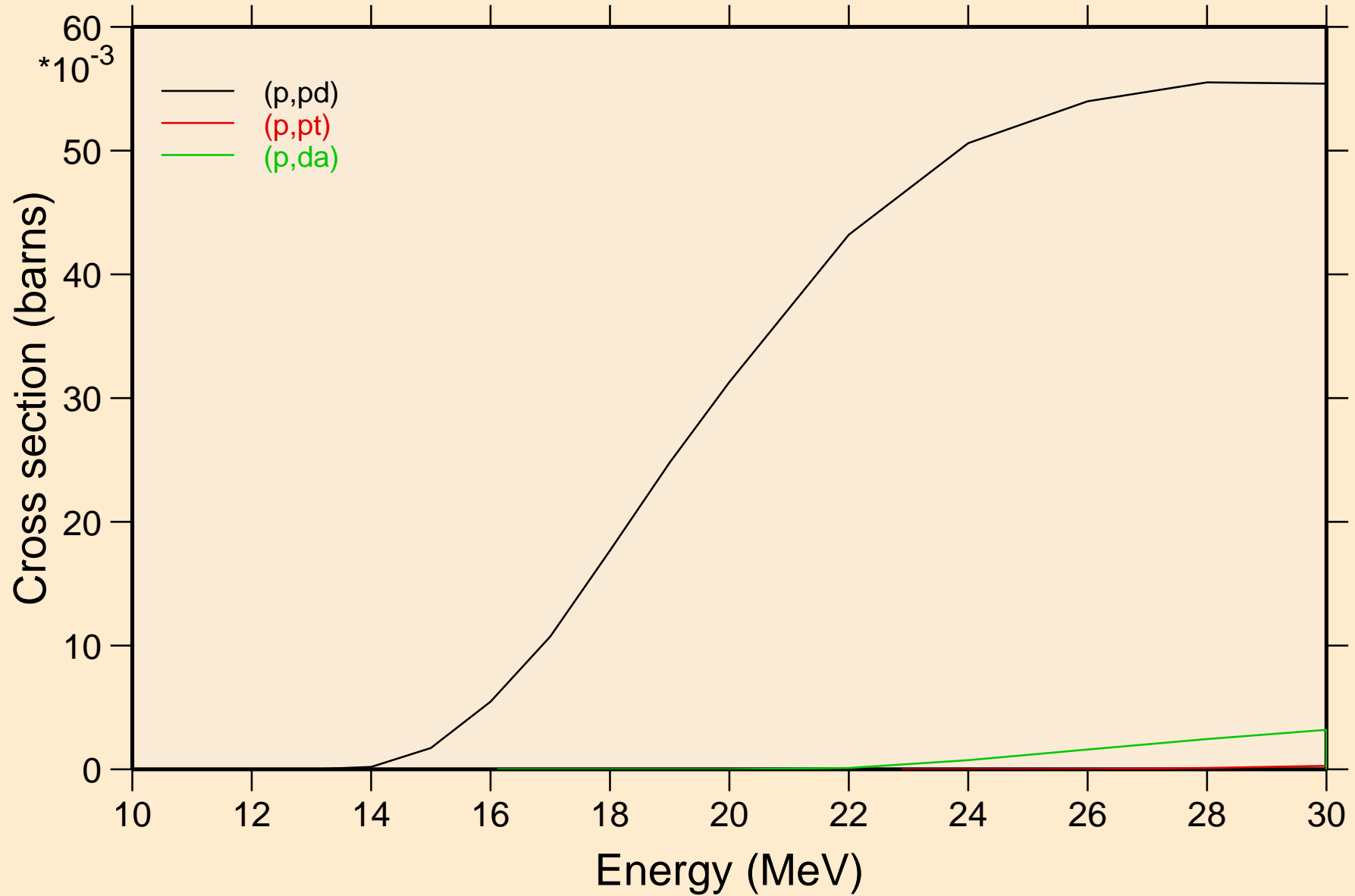


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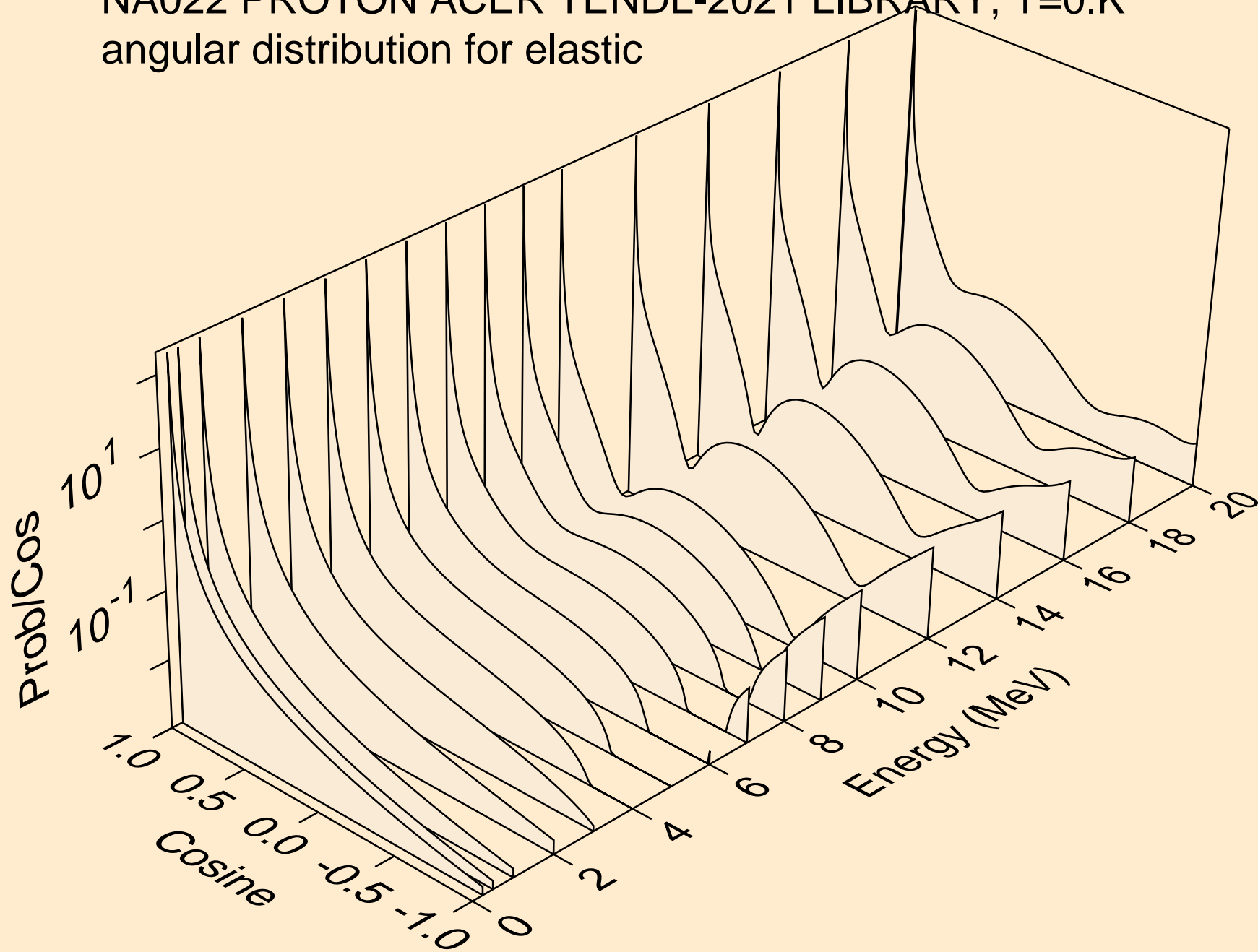
## Threshold reactions



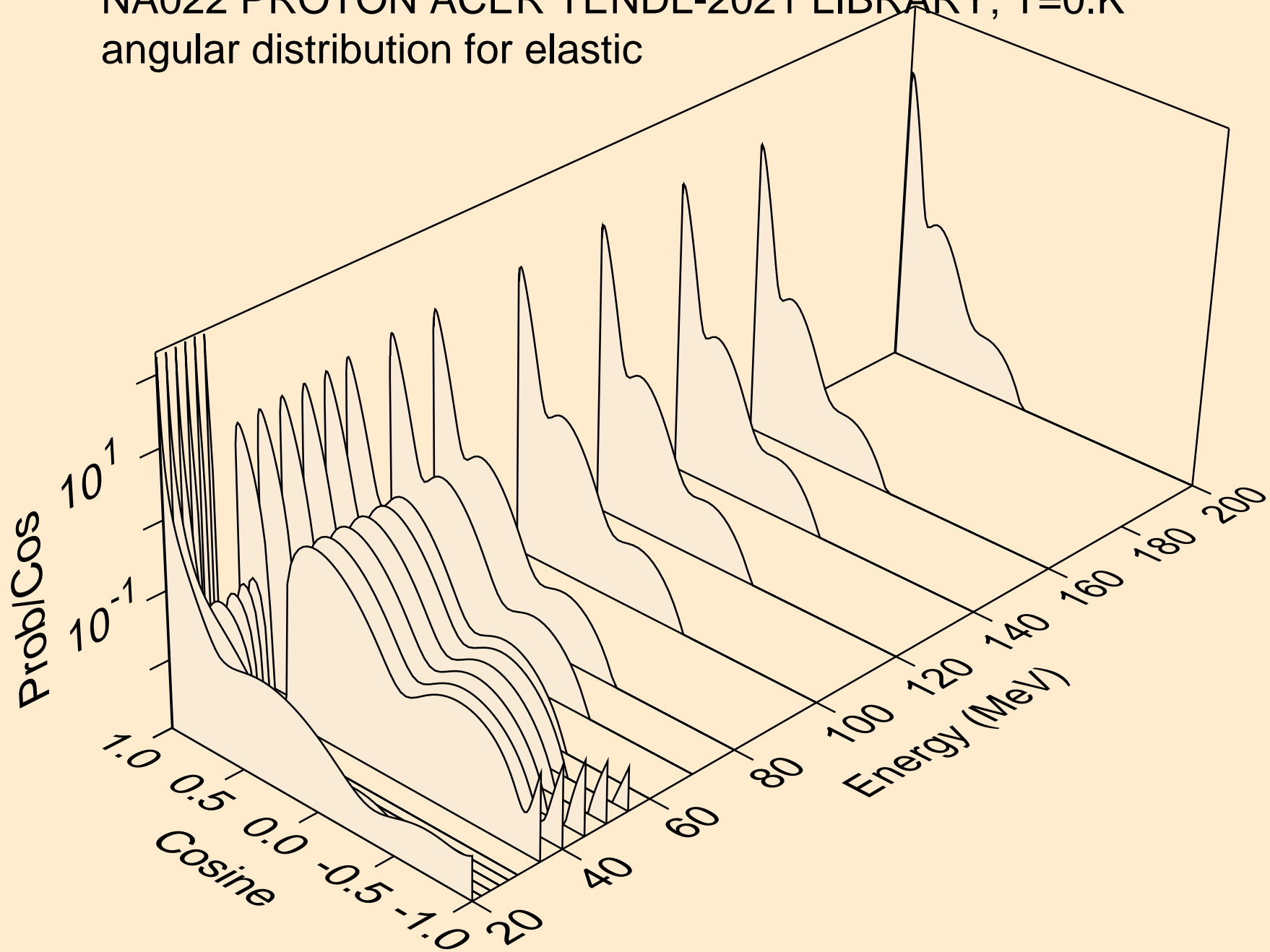
NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



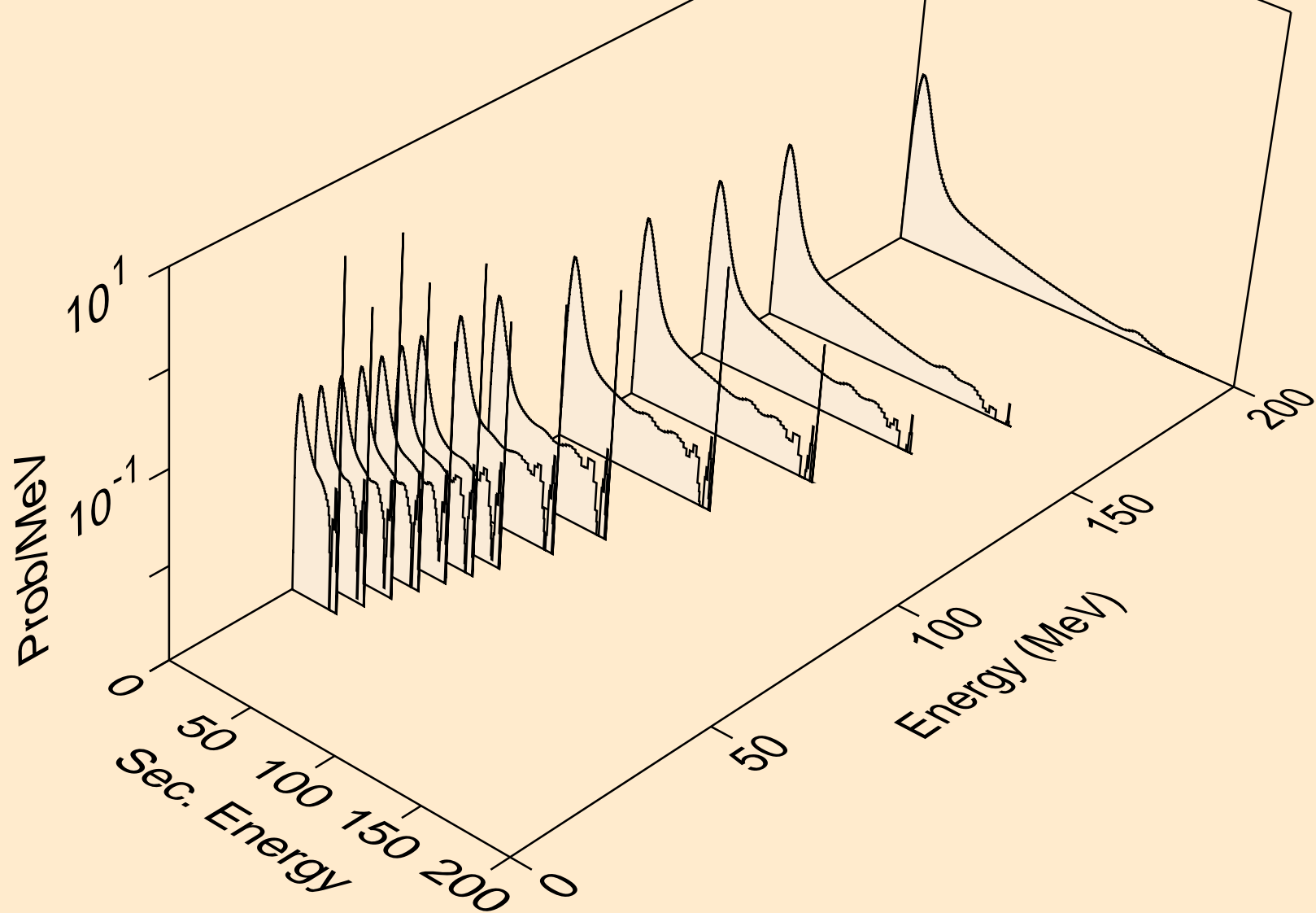
NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



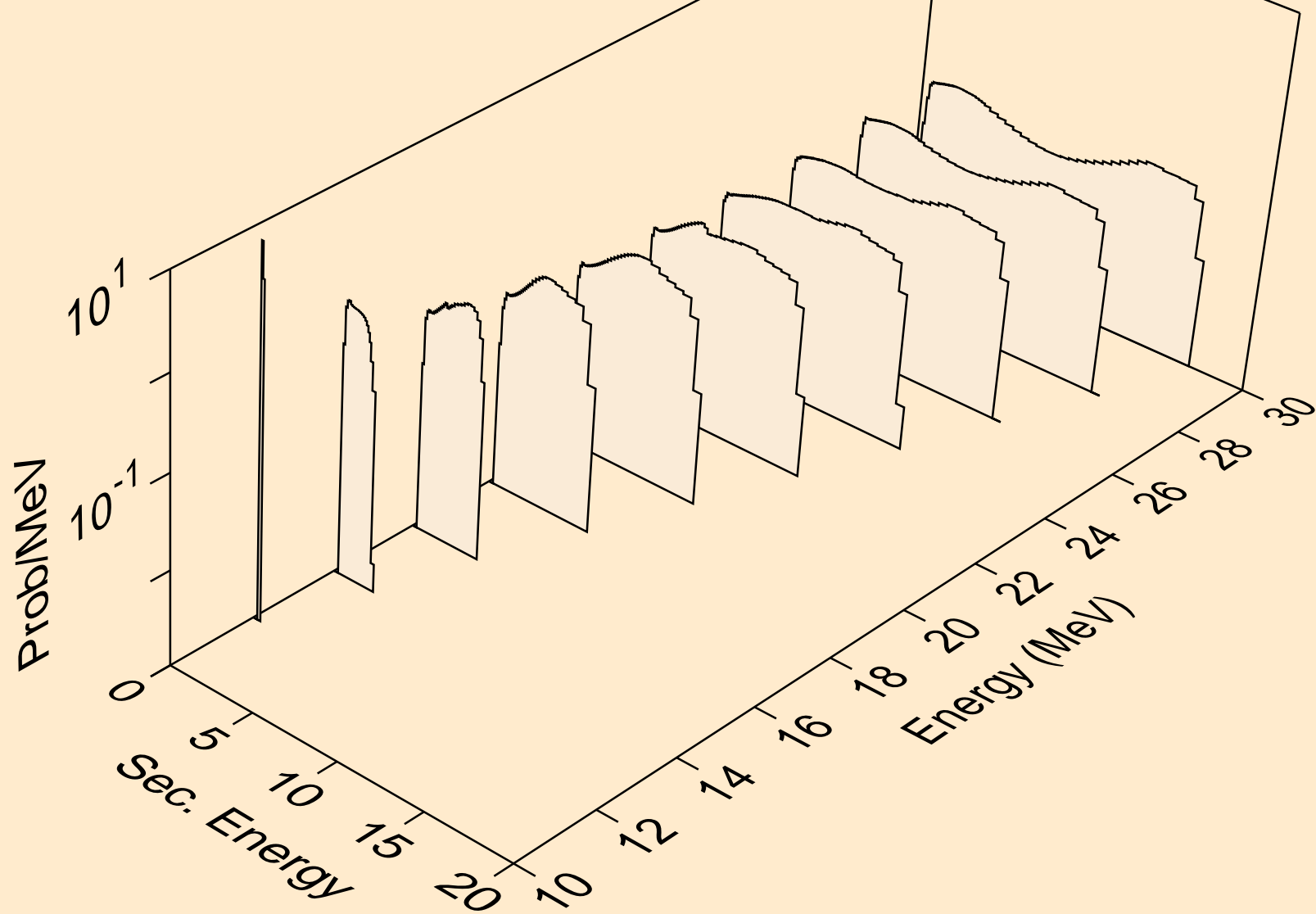
NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,x)

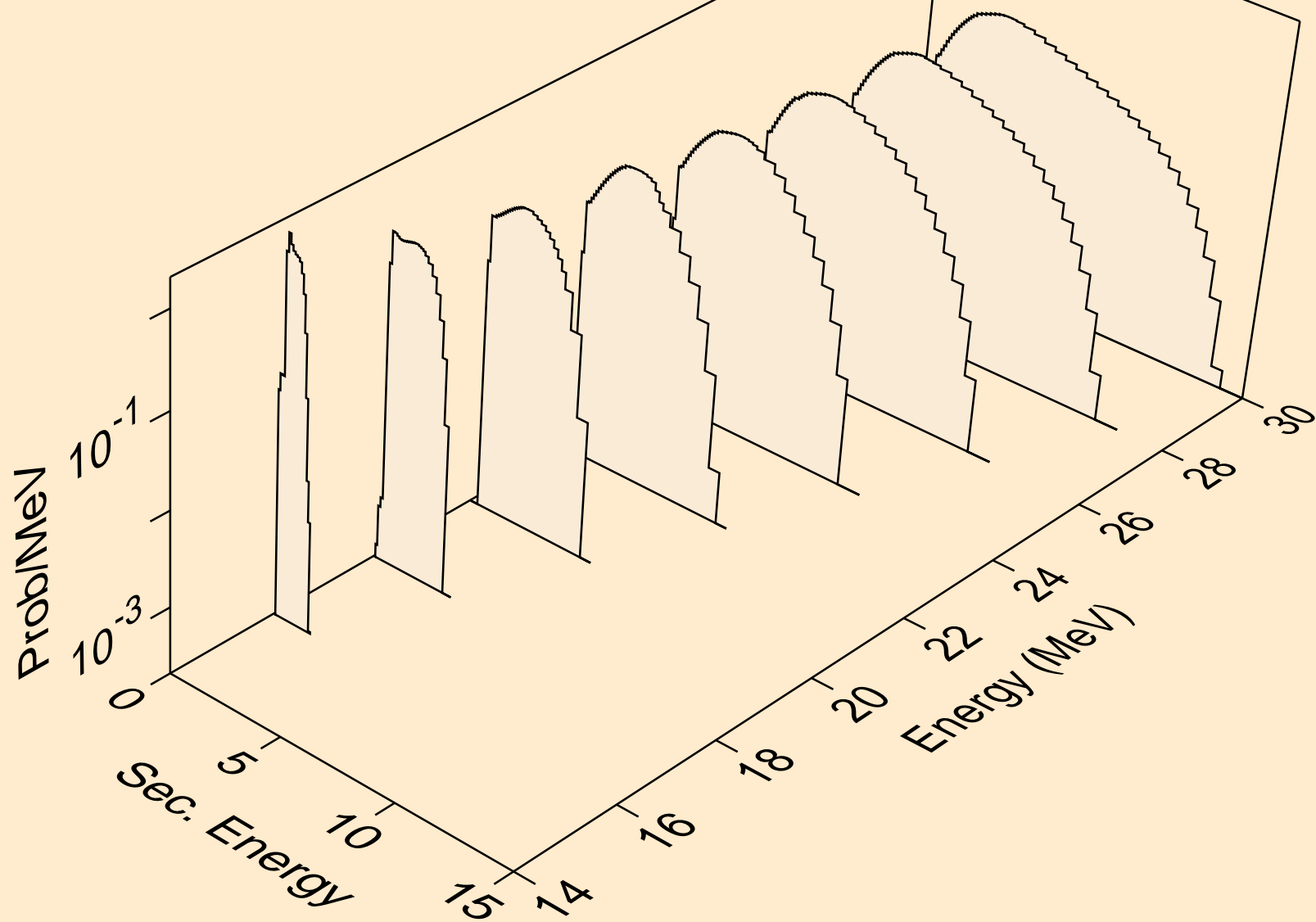


NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,n\*)p

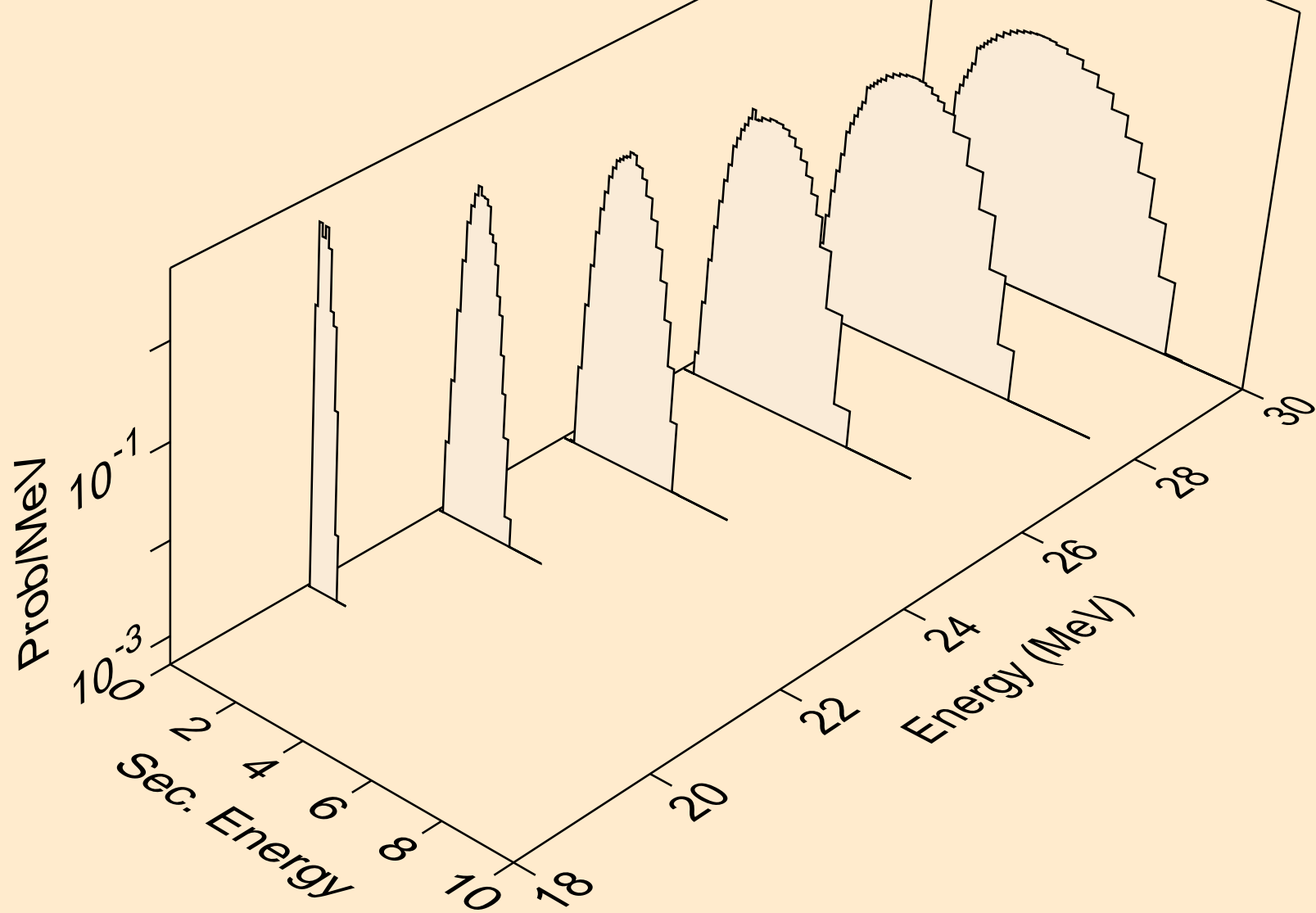




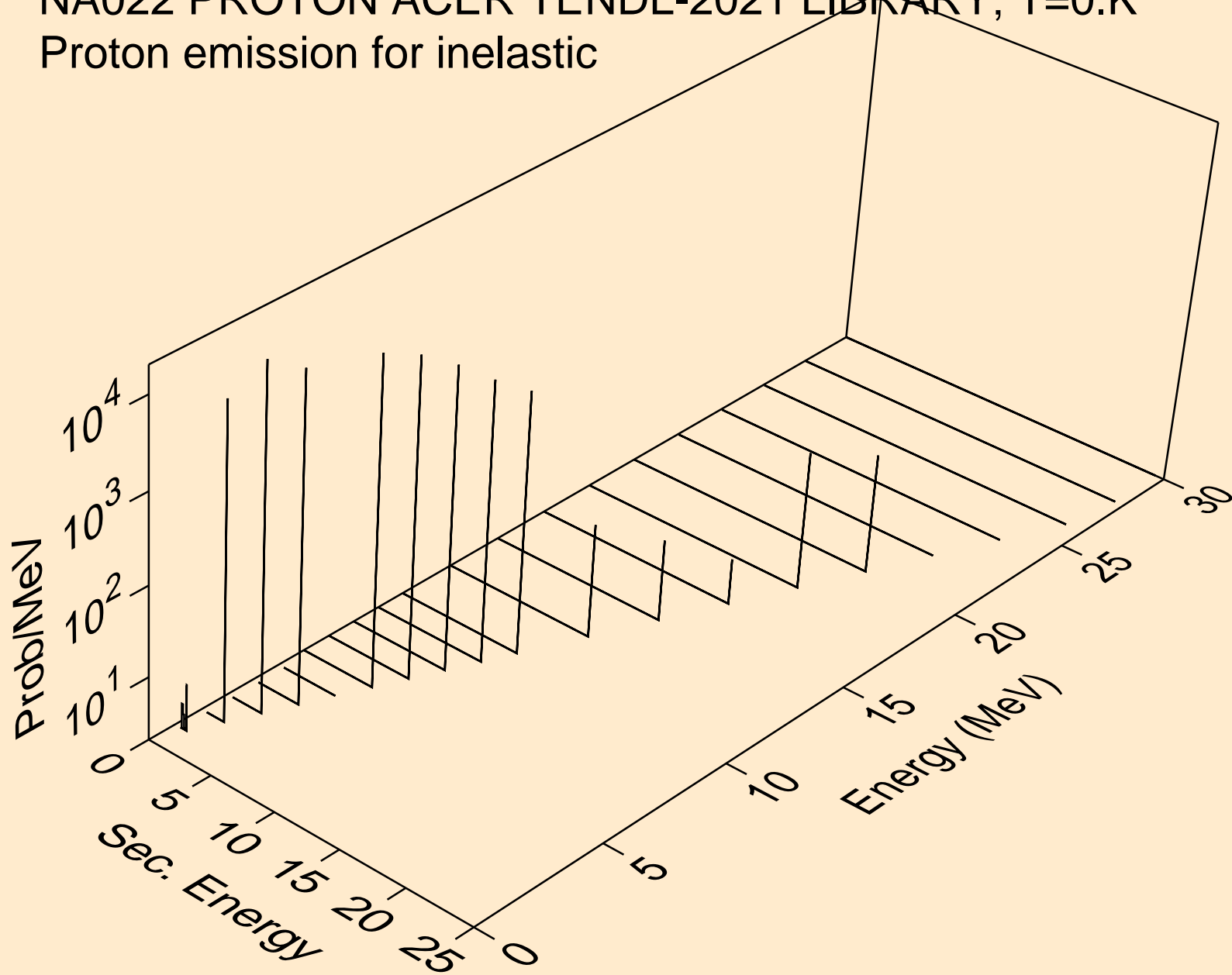
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Proton emission for (p,2np)



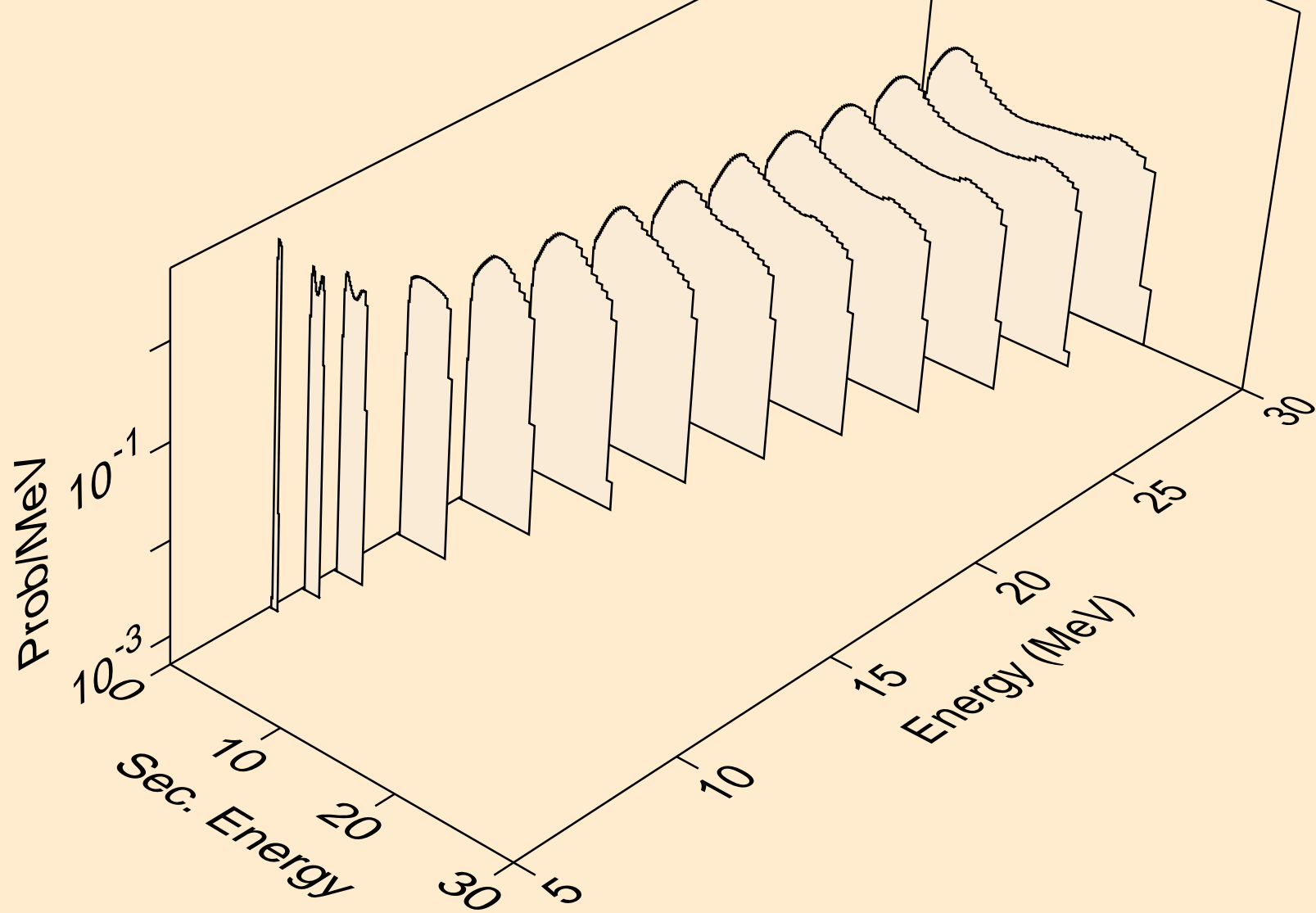
NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,npa)



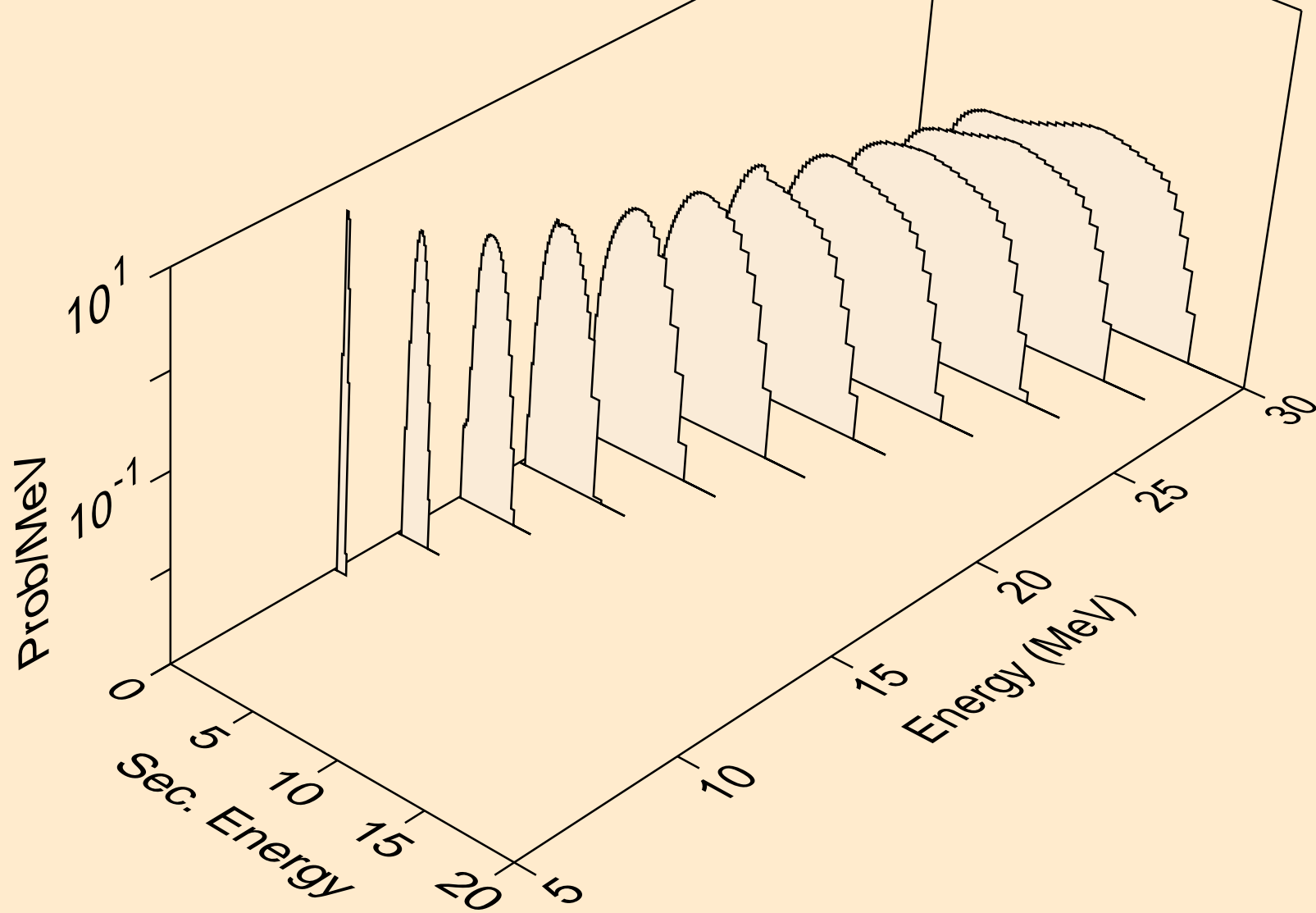
NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for inelastic



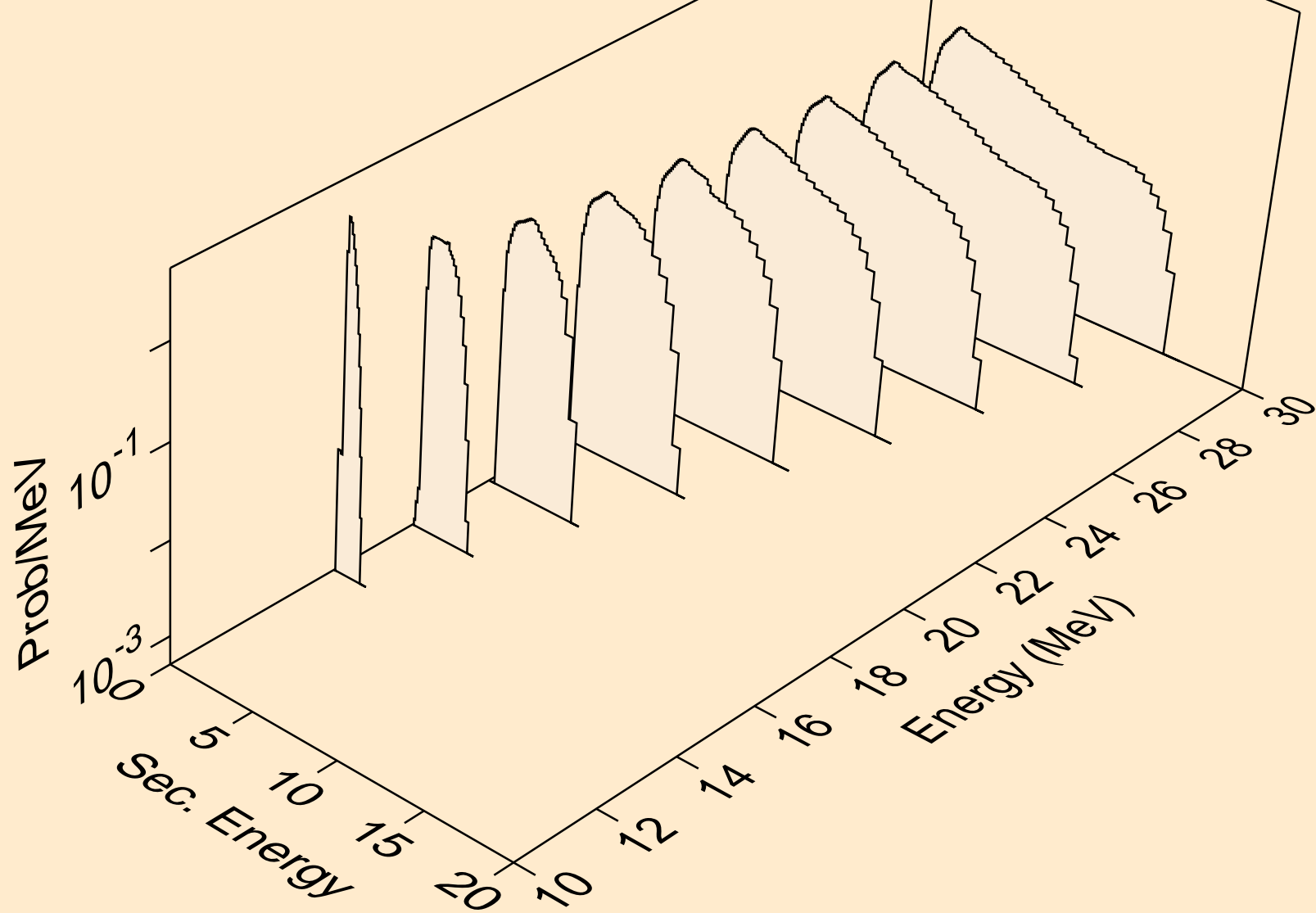
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Proton emission for (p,2p)



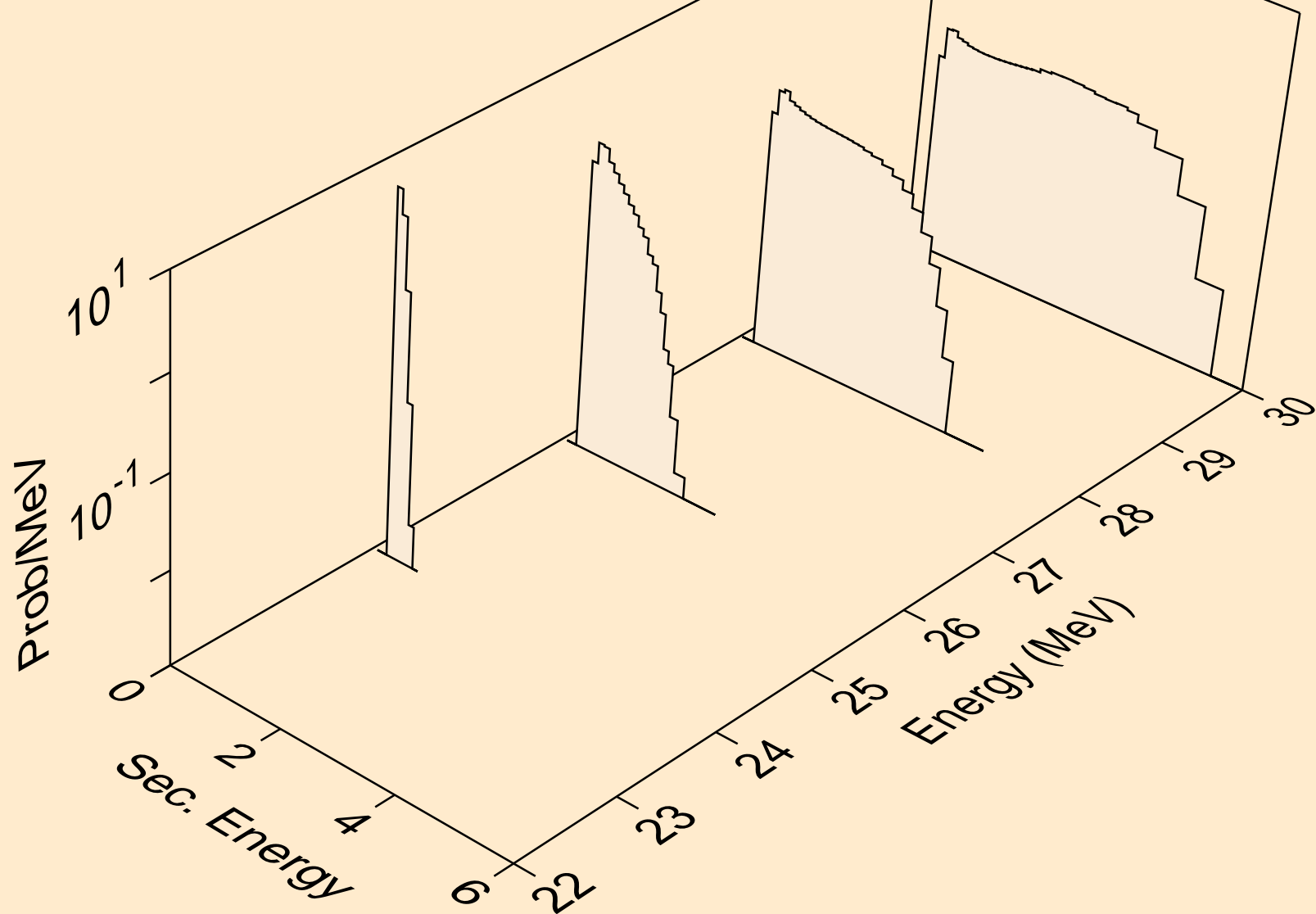
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Proton emission for (p,pa)



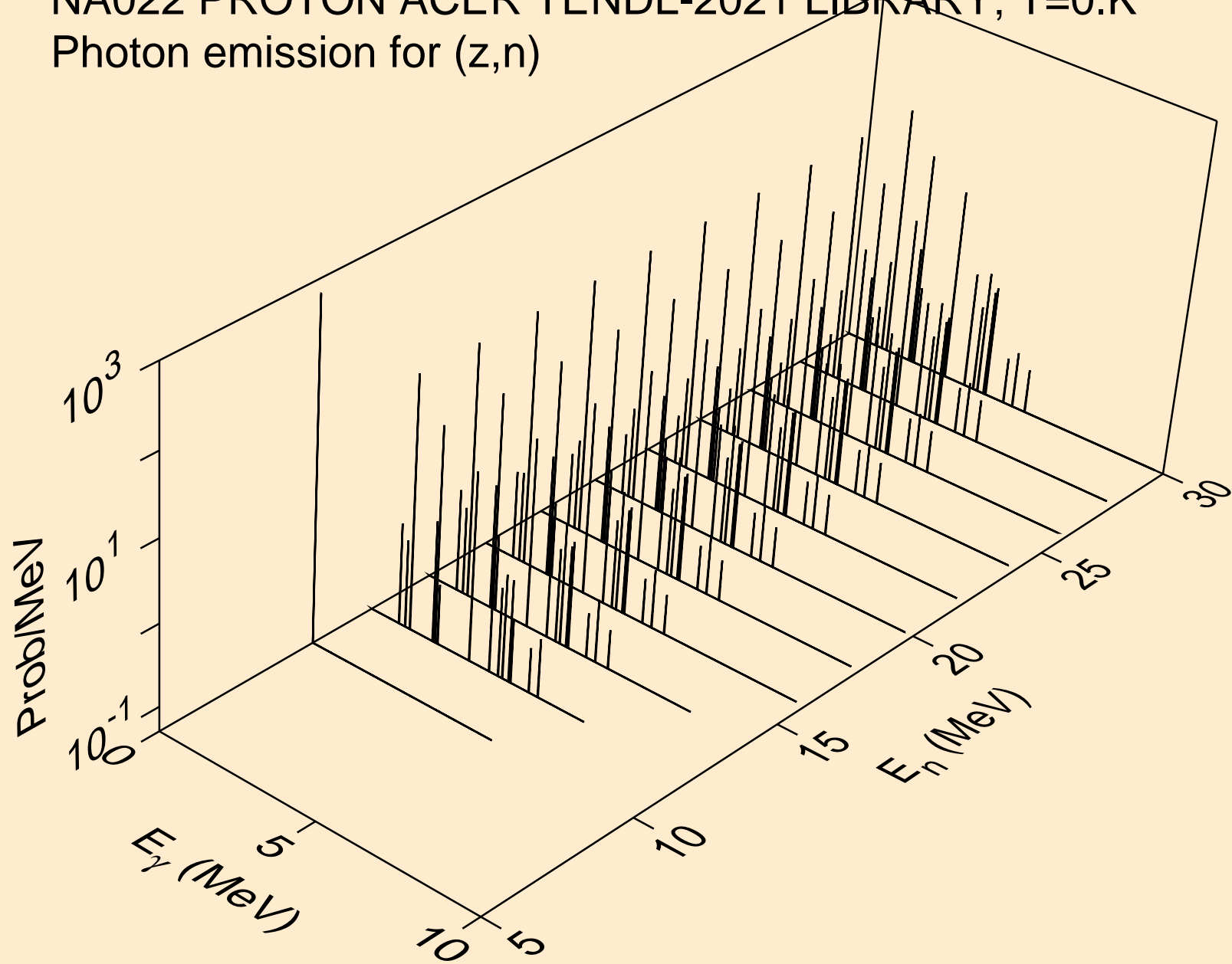
NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pd)



NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pt)

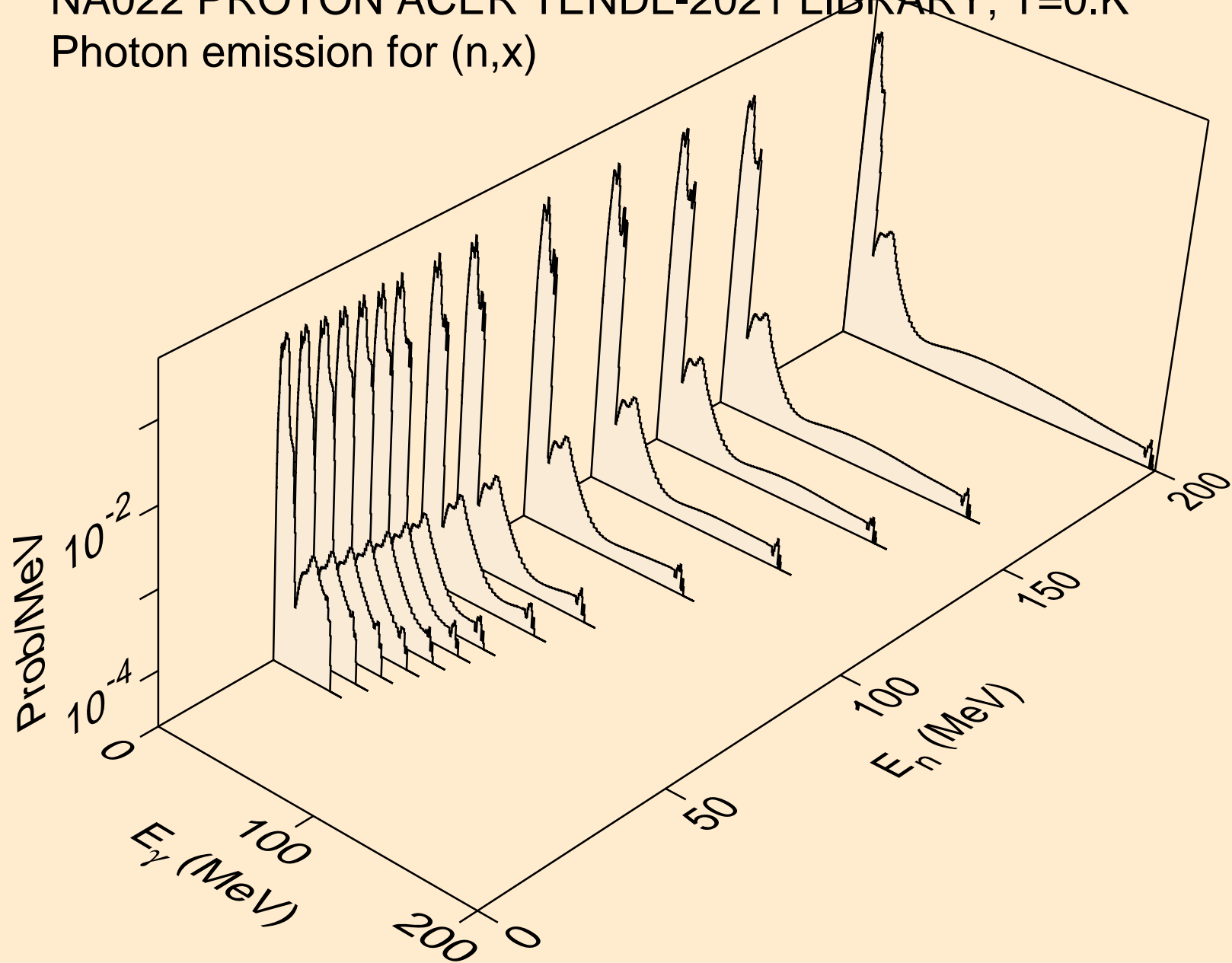


NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)

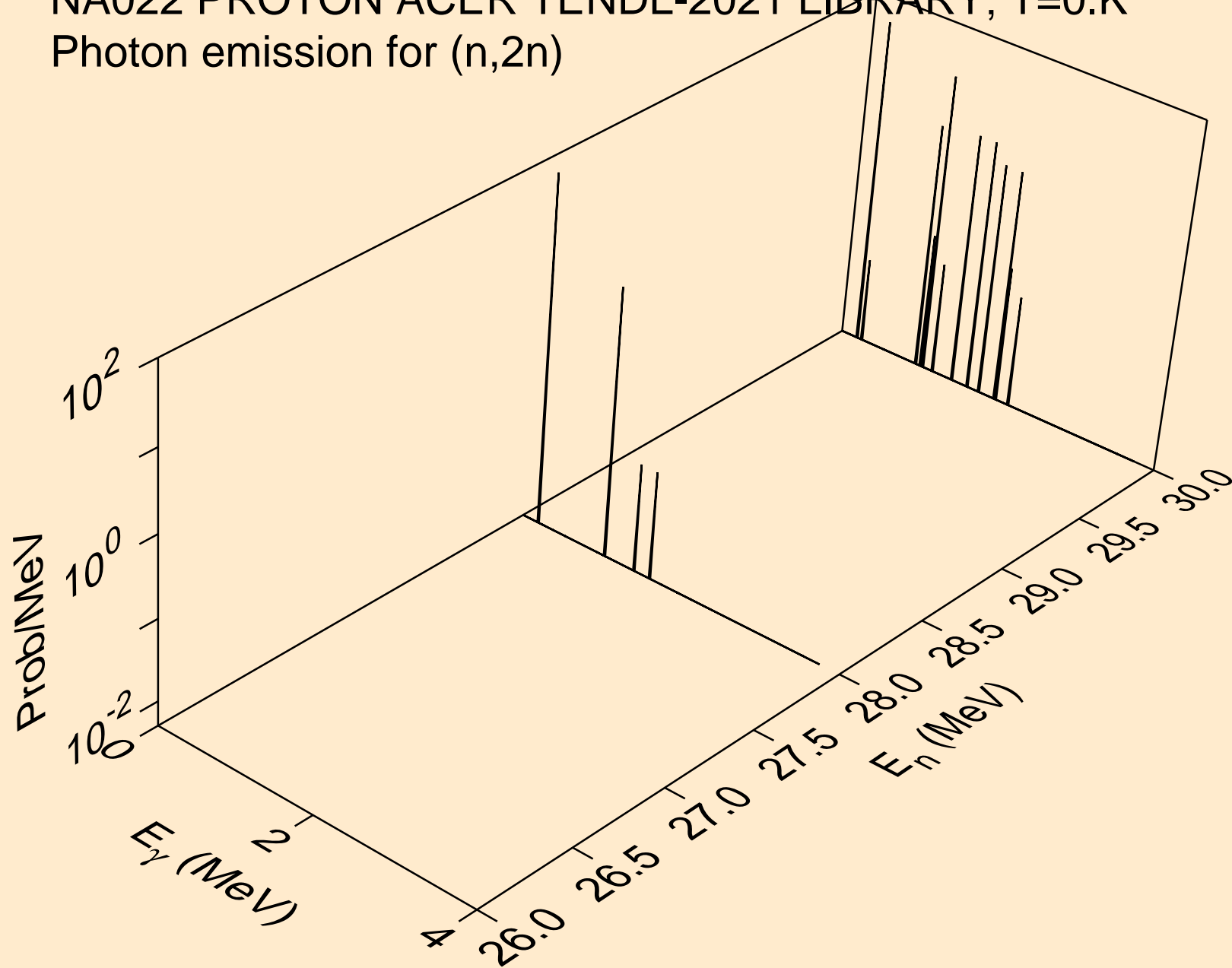




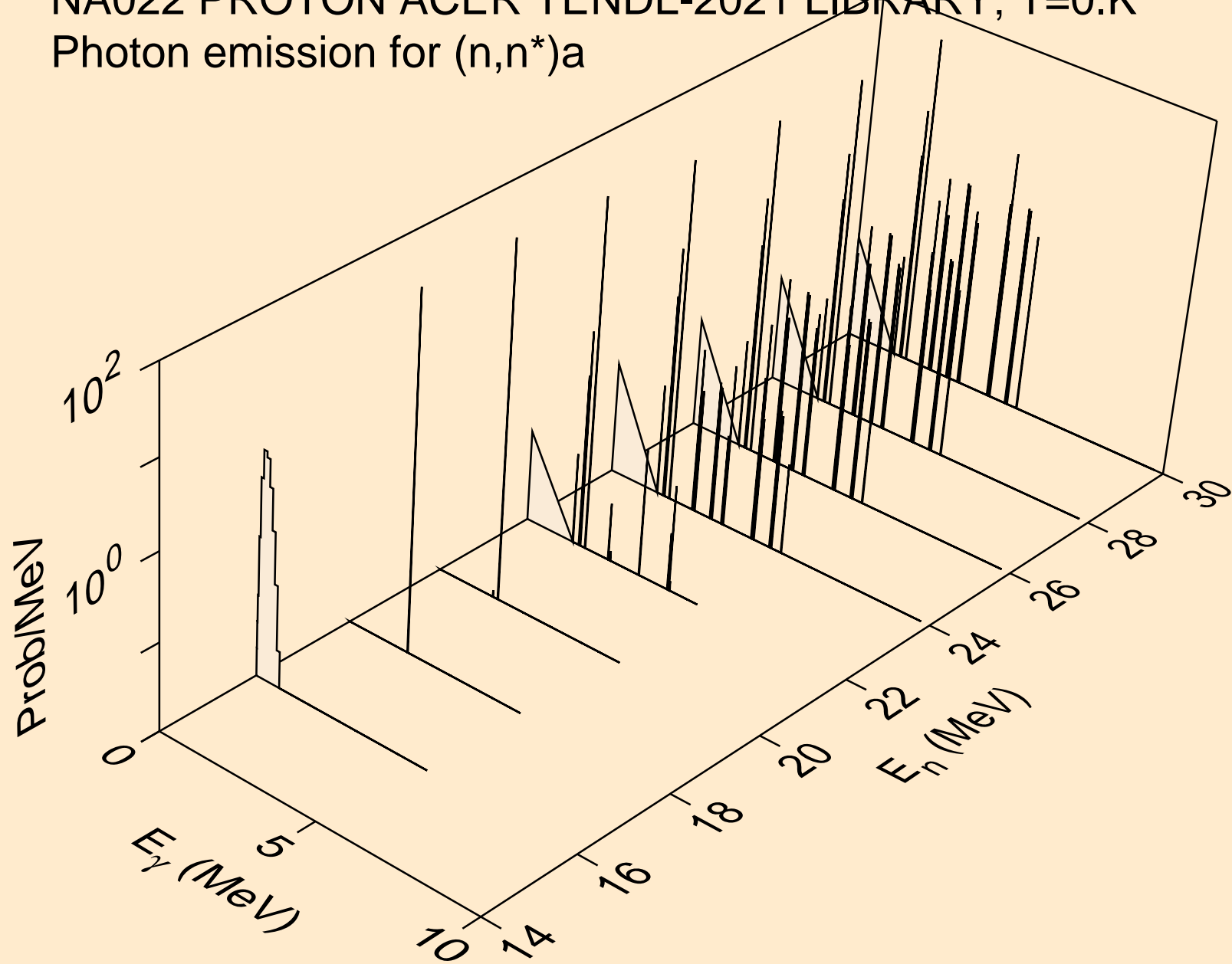
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Photon emission for (n,x)



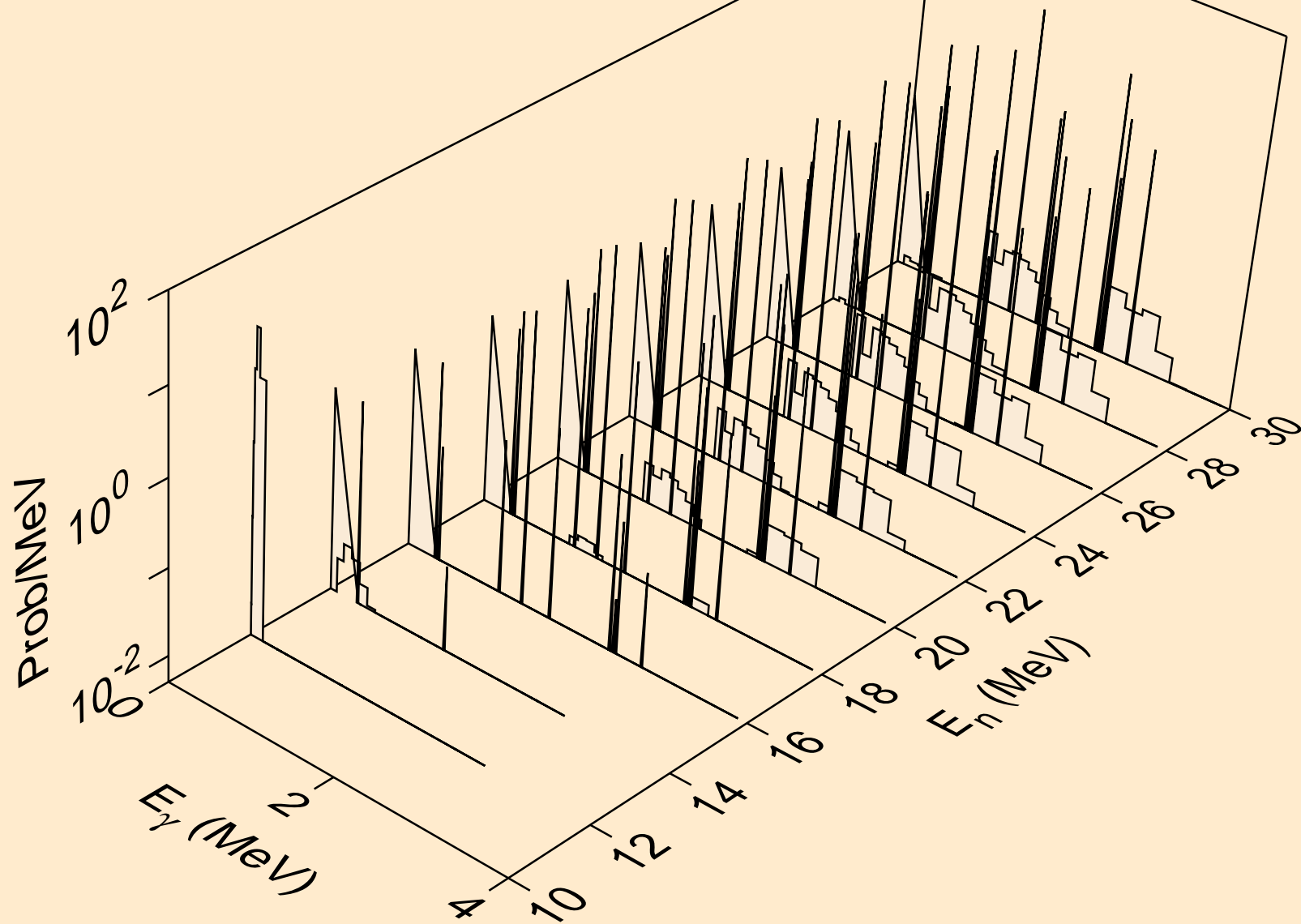
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Photon emission for (n,2n)



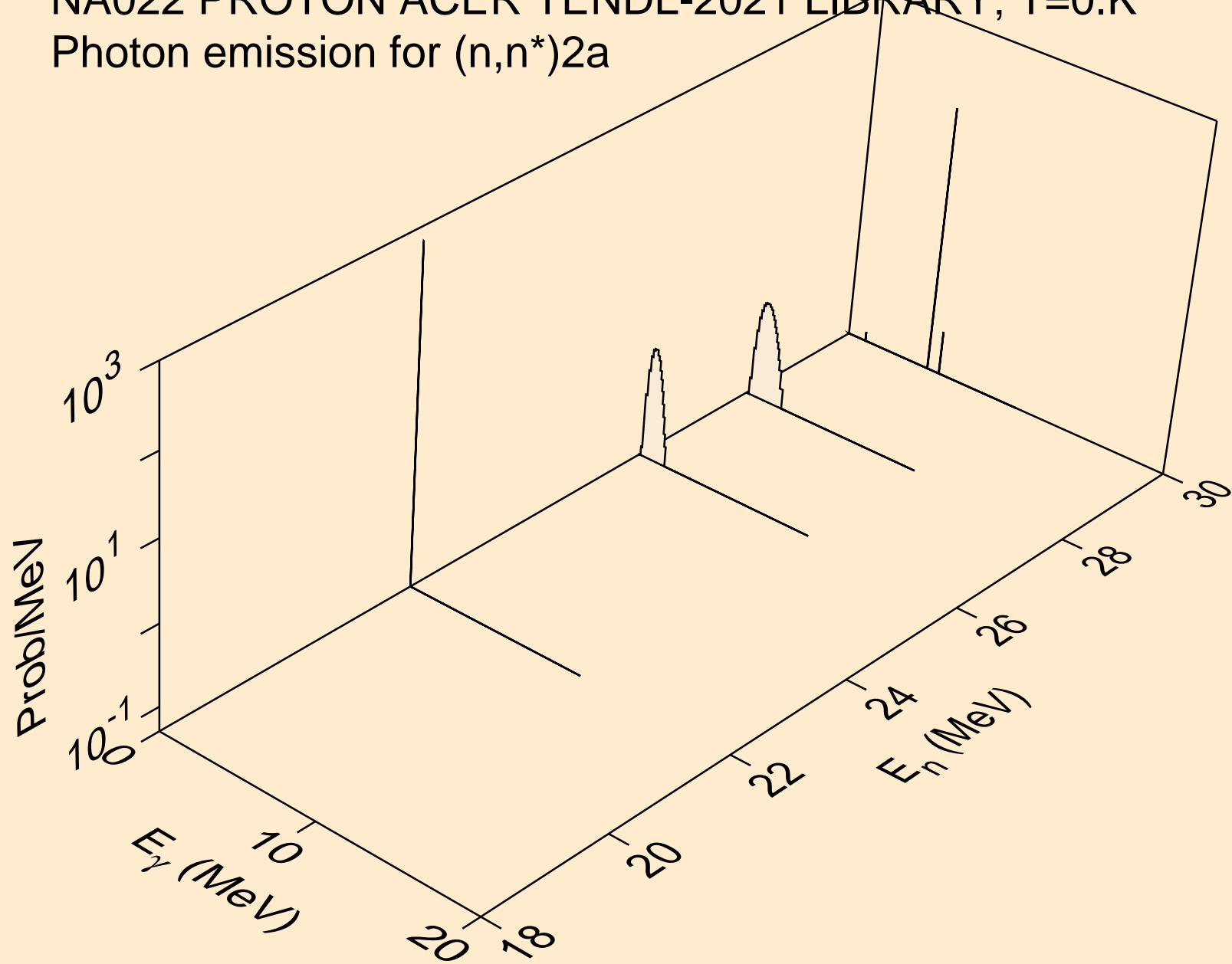
NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



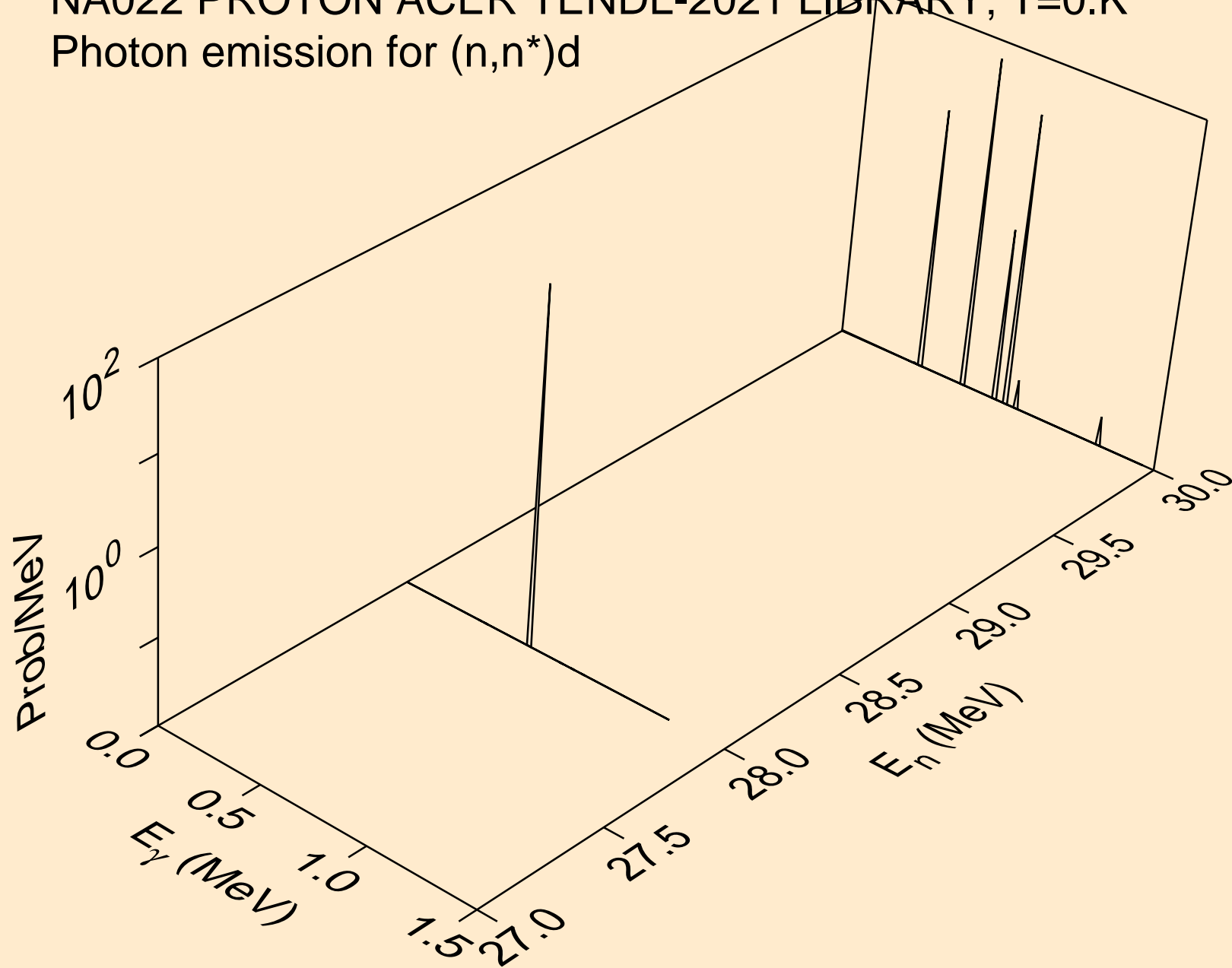
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Photon emission for (n,n\*)p



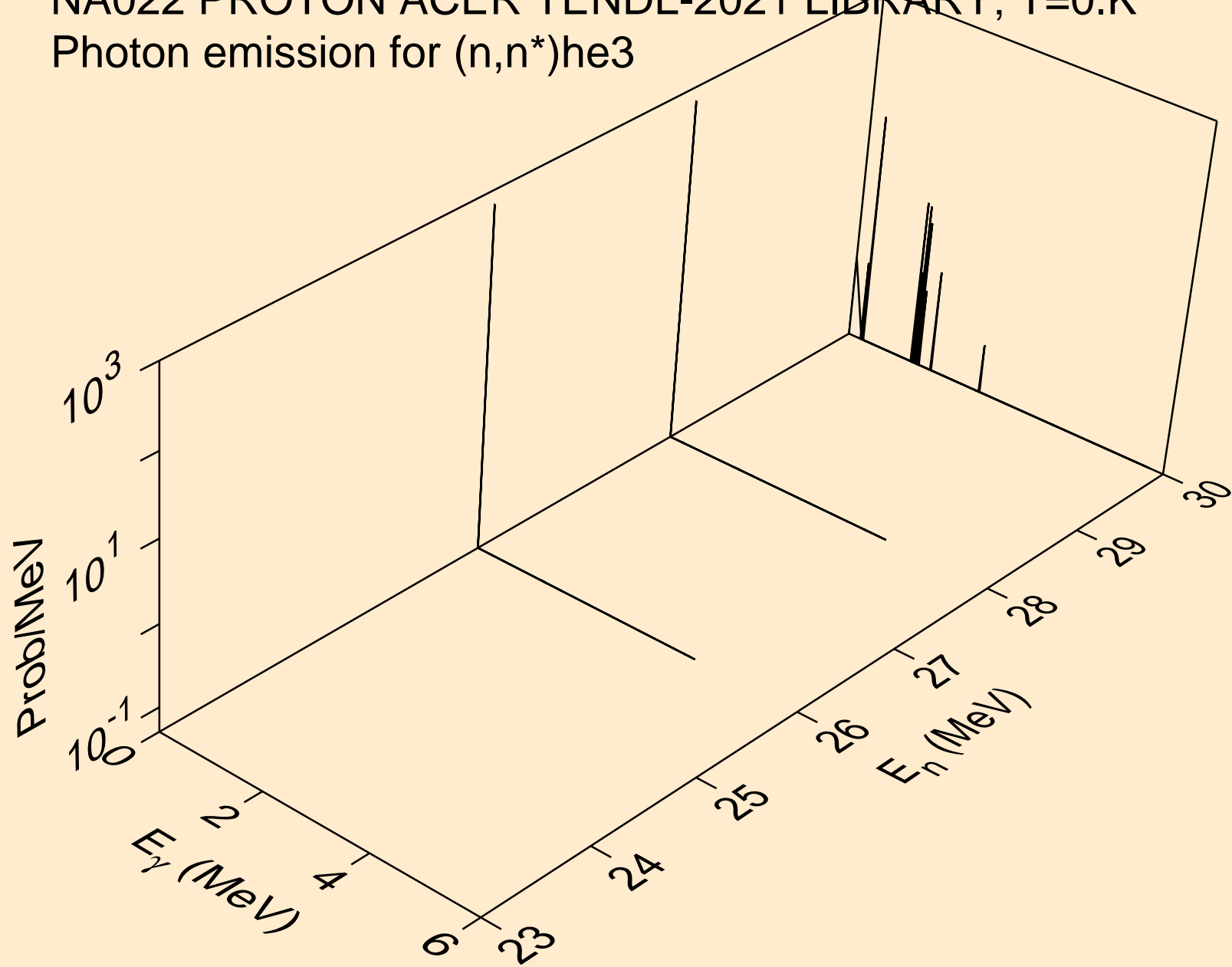
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Photon emission for (n,n\*)2a



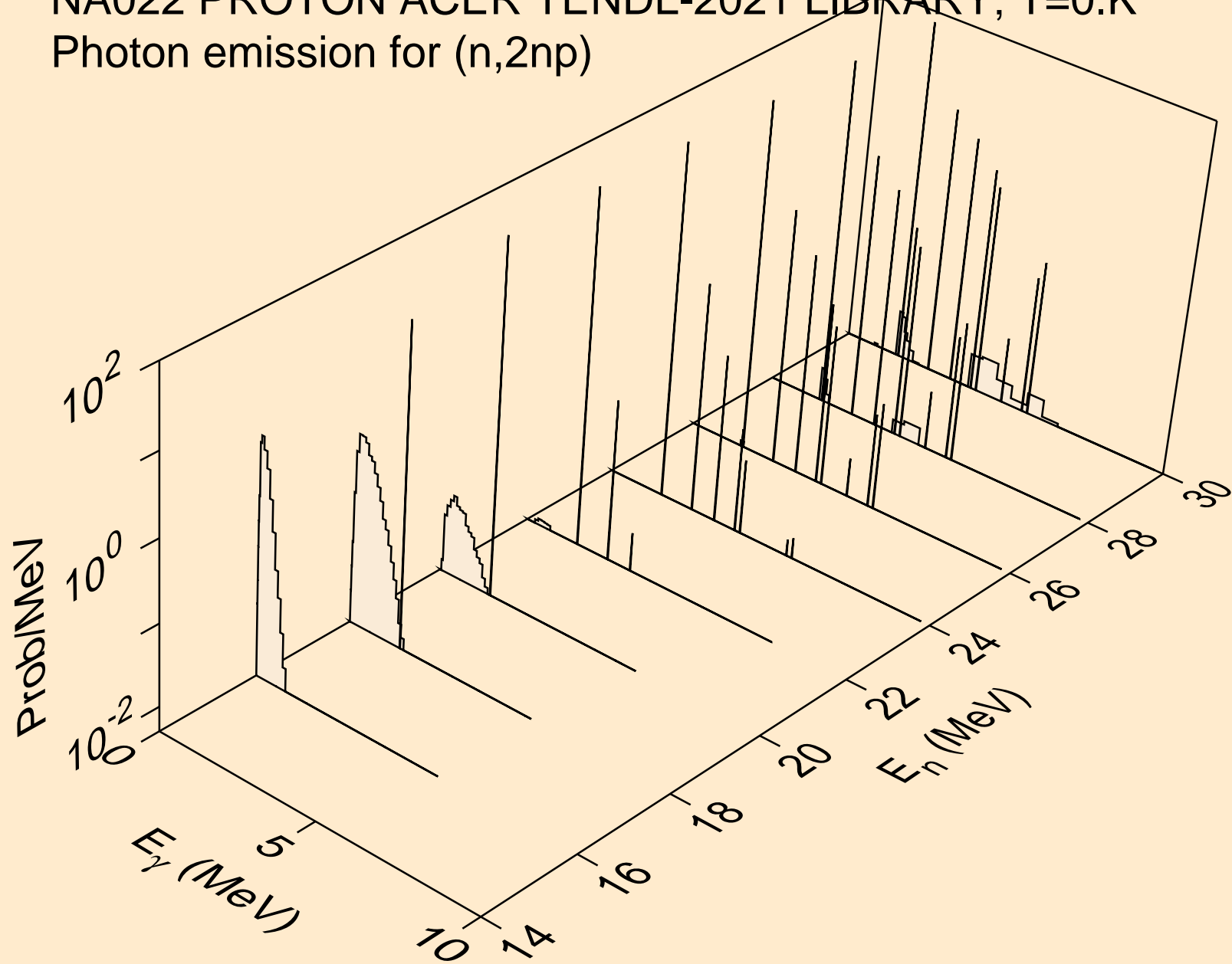
NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

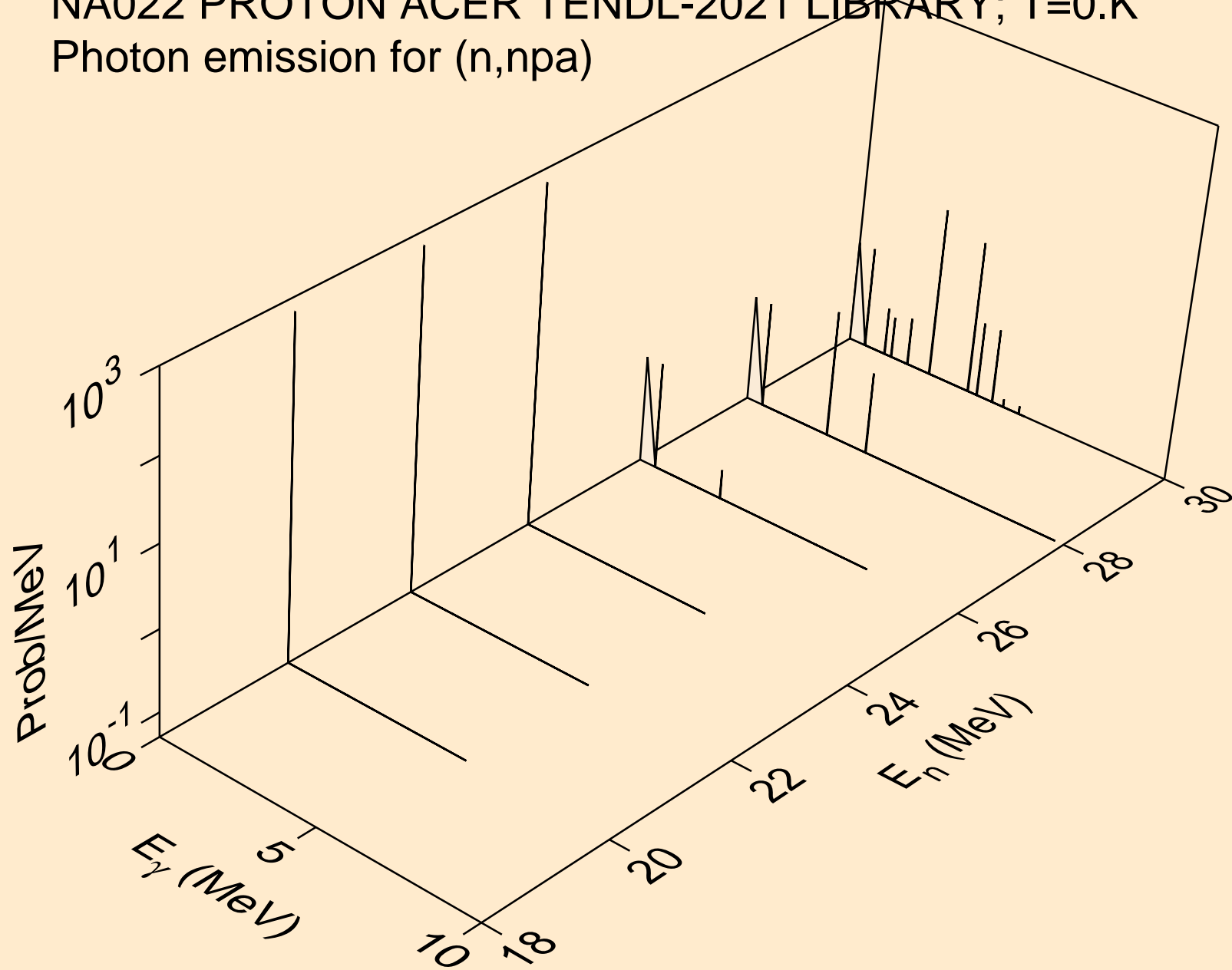


NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)

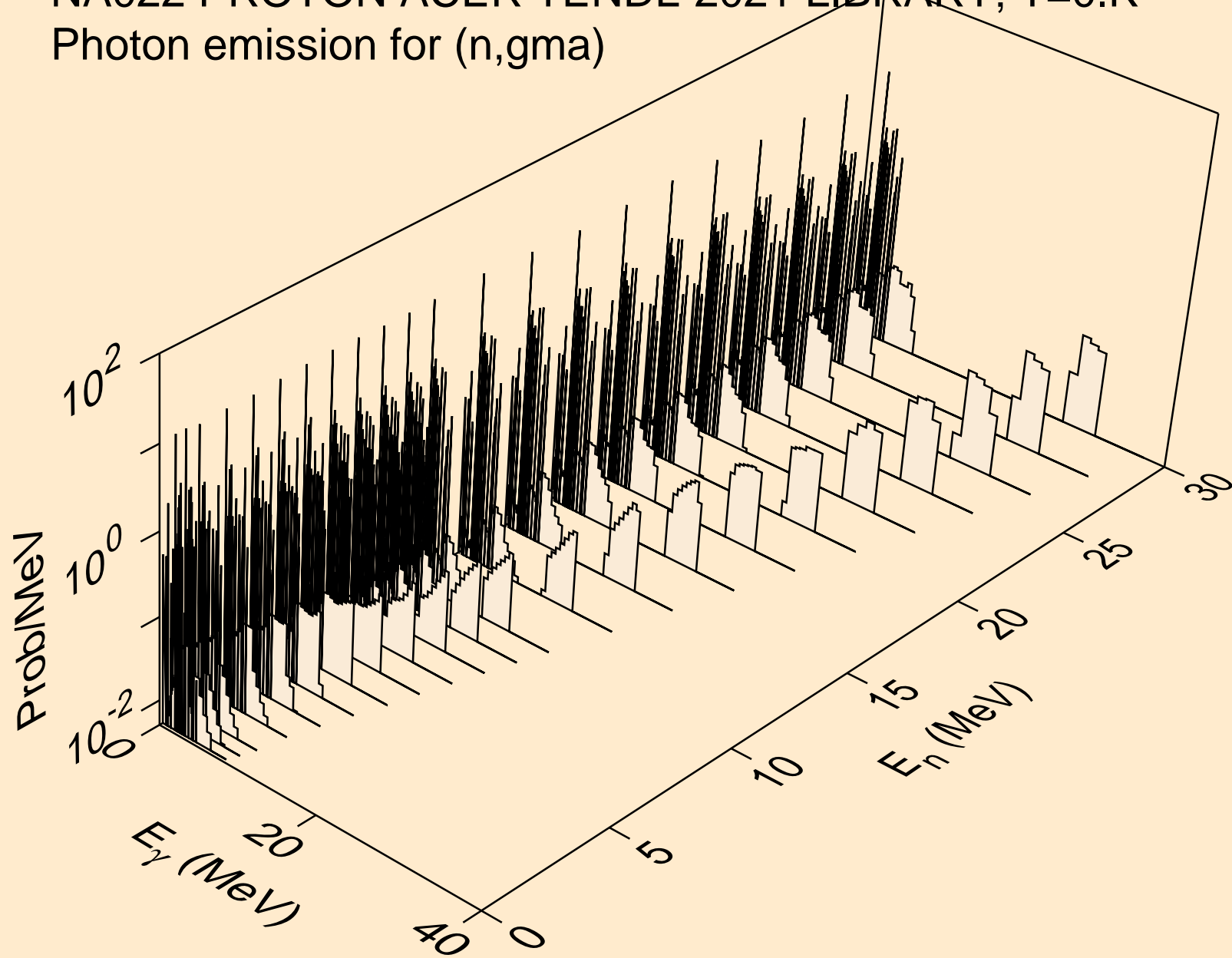




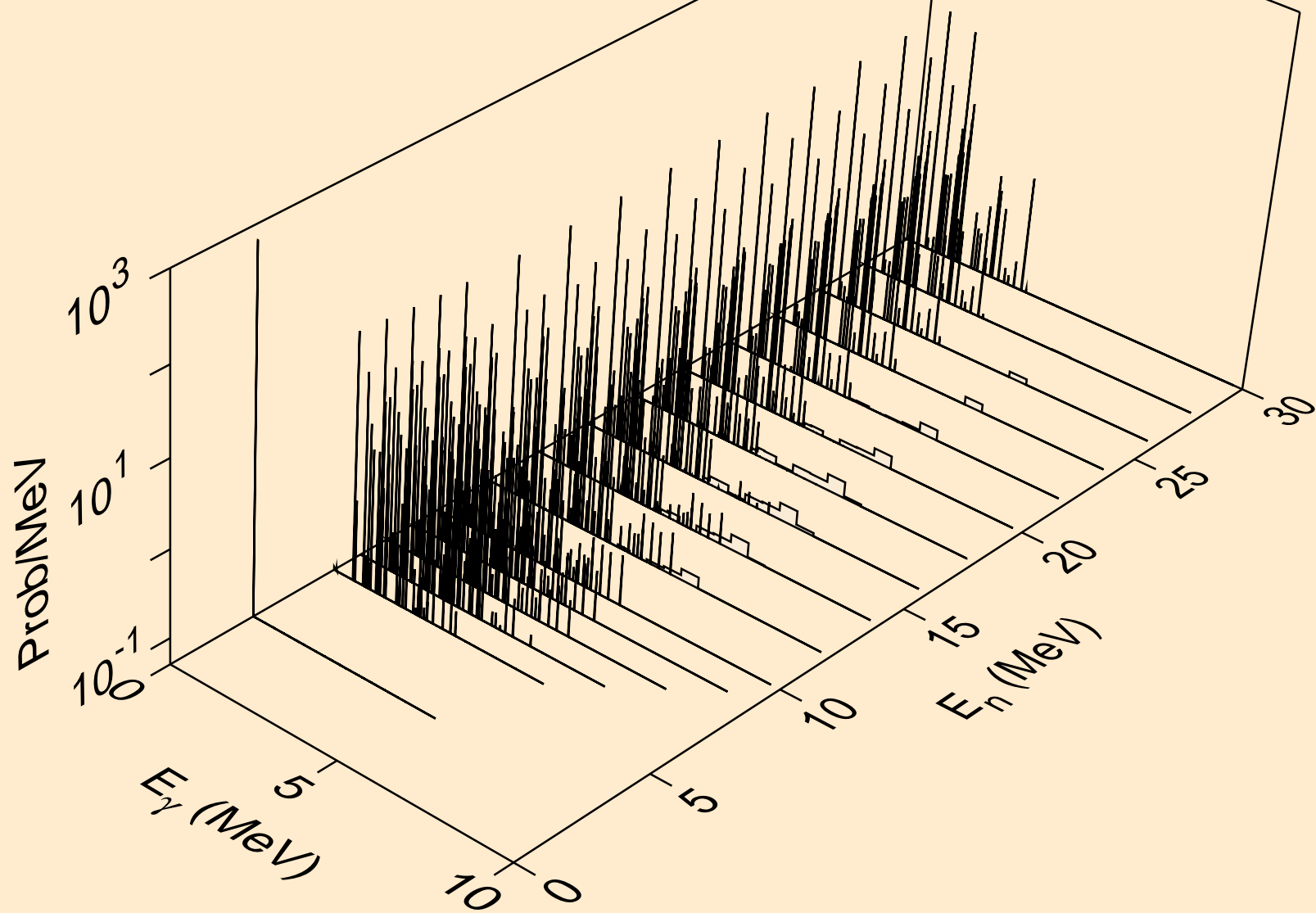
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Photon emission for (n,npa)



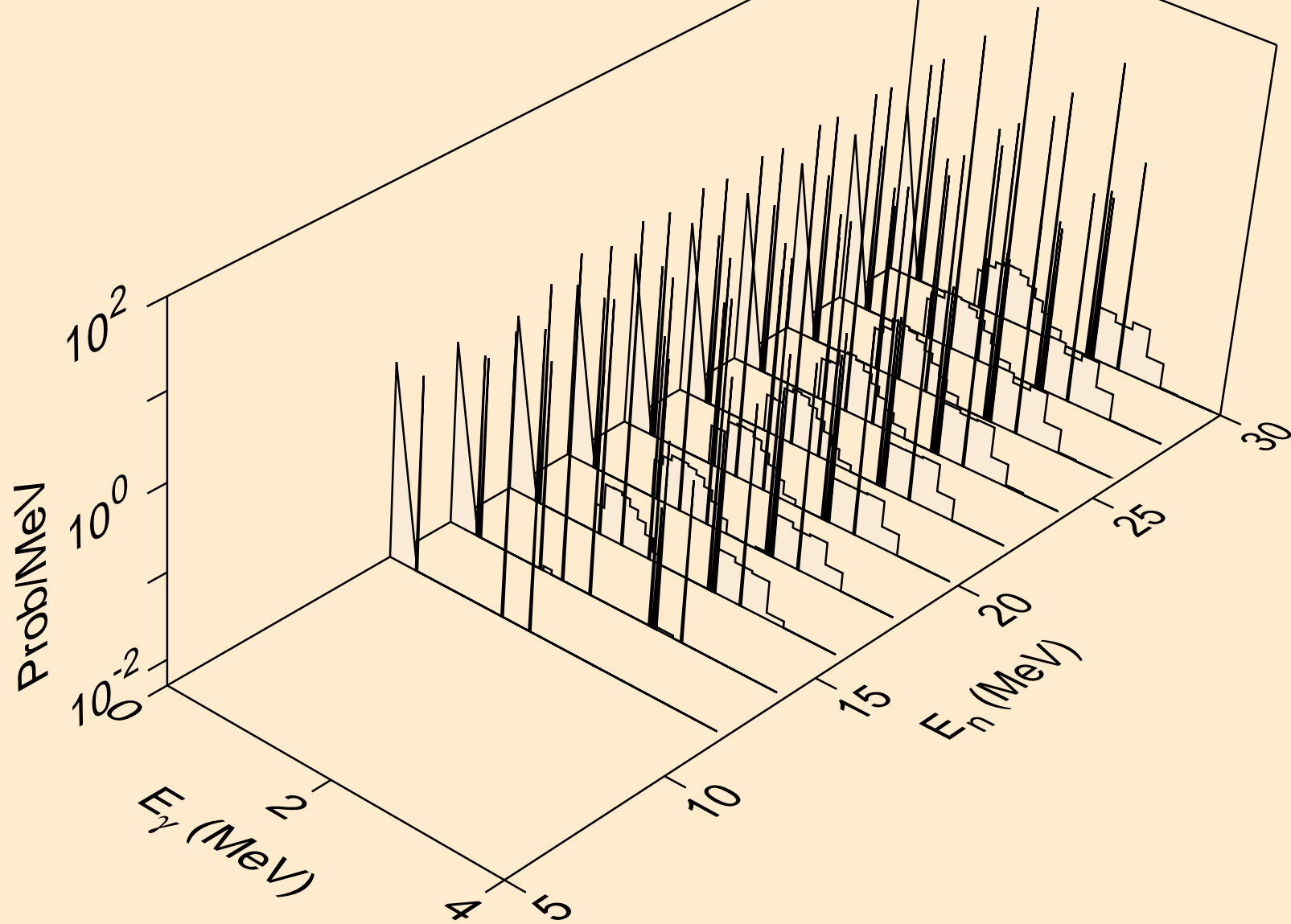
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Photon emission for (n,gma)



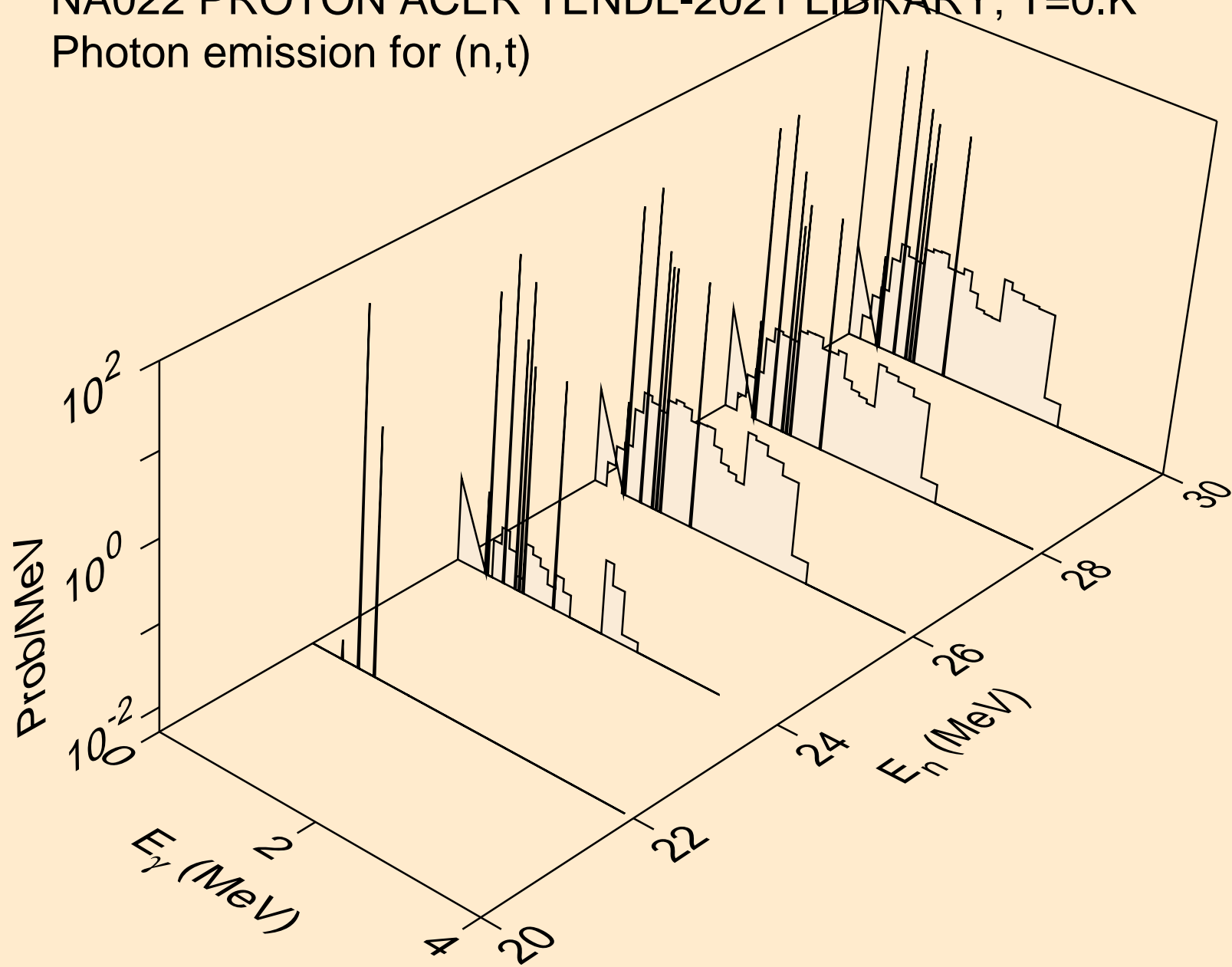
NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic



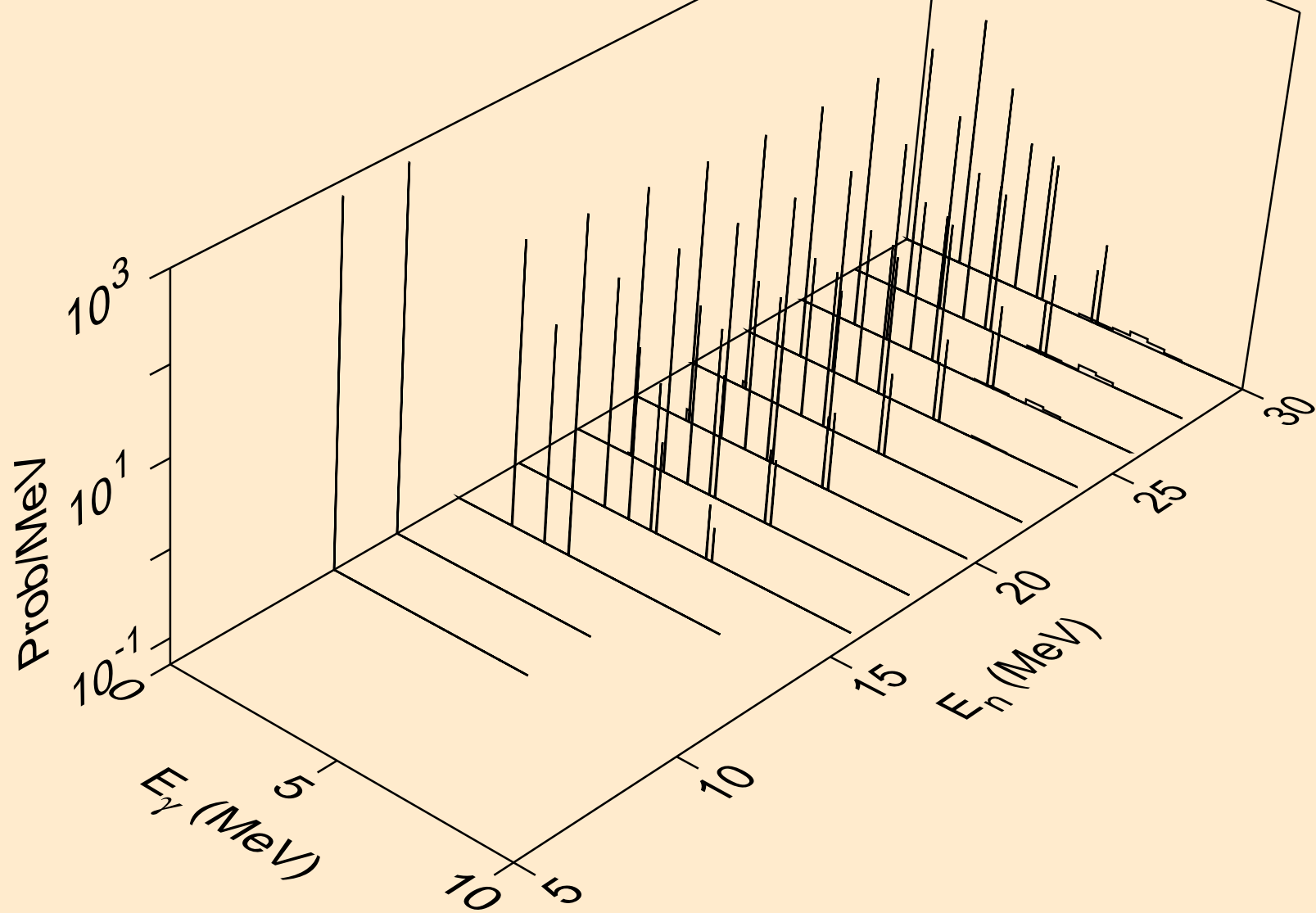
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Photon emission for (n,d)



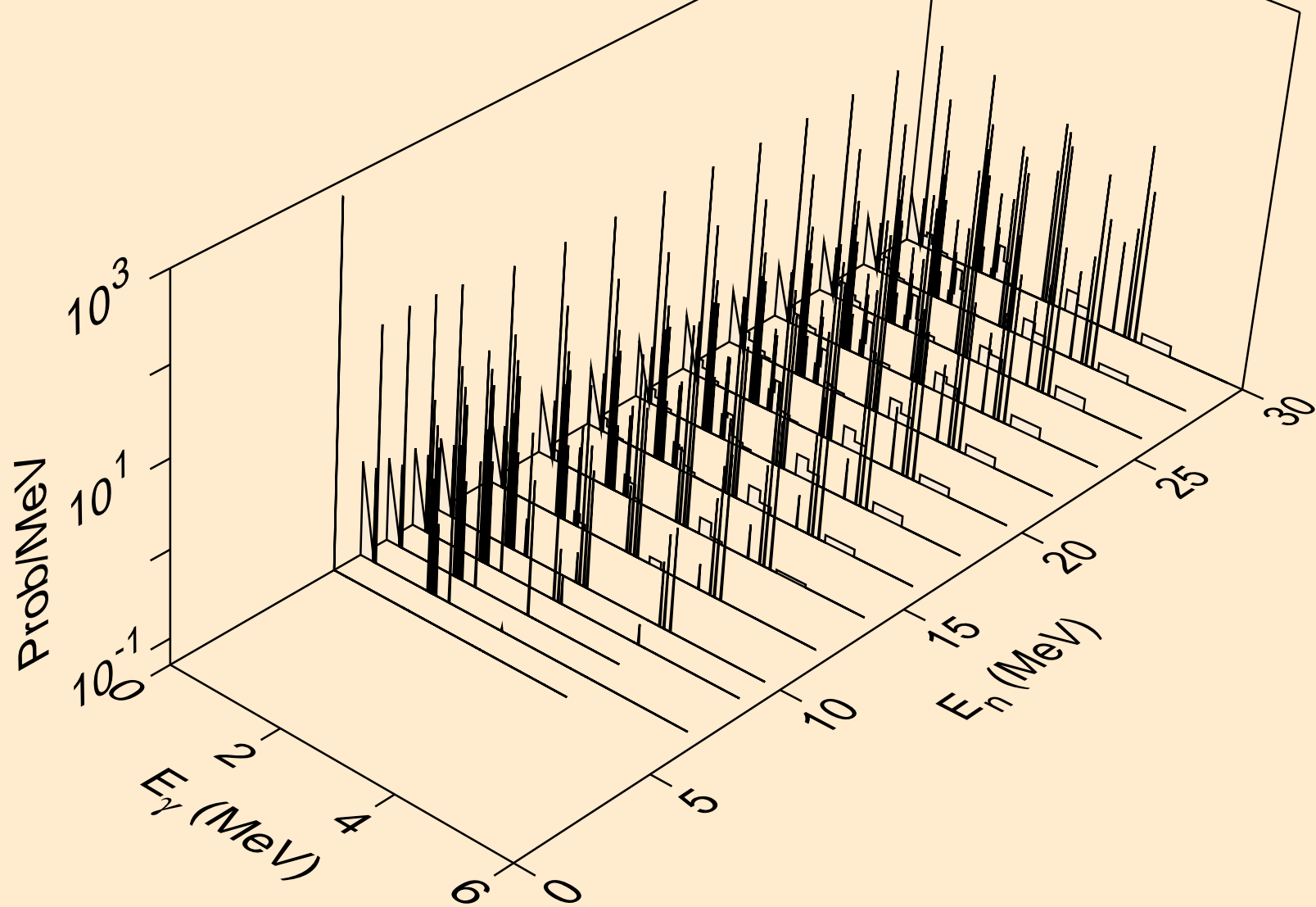
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Photon emission for (n,t)



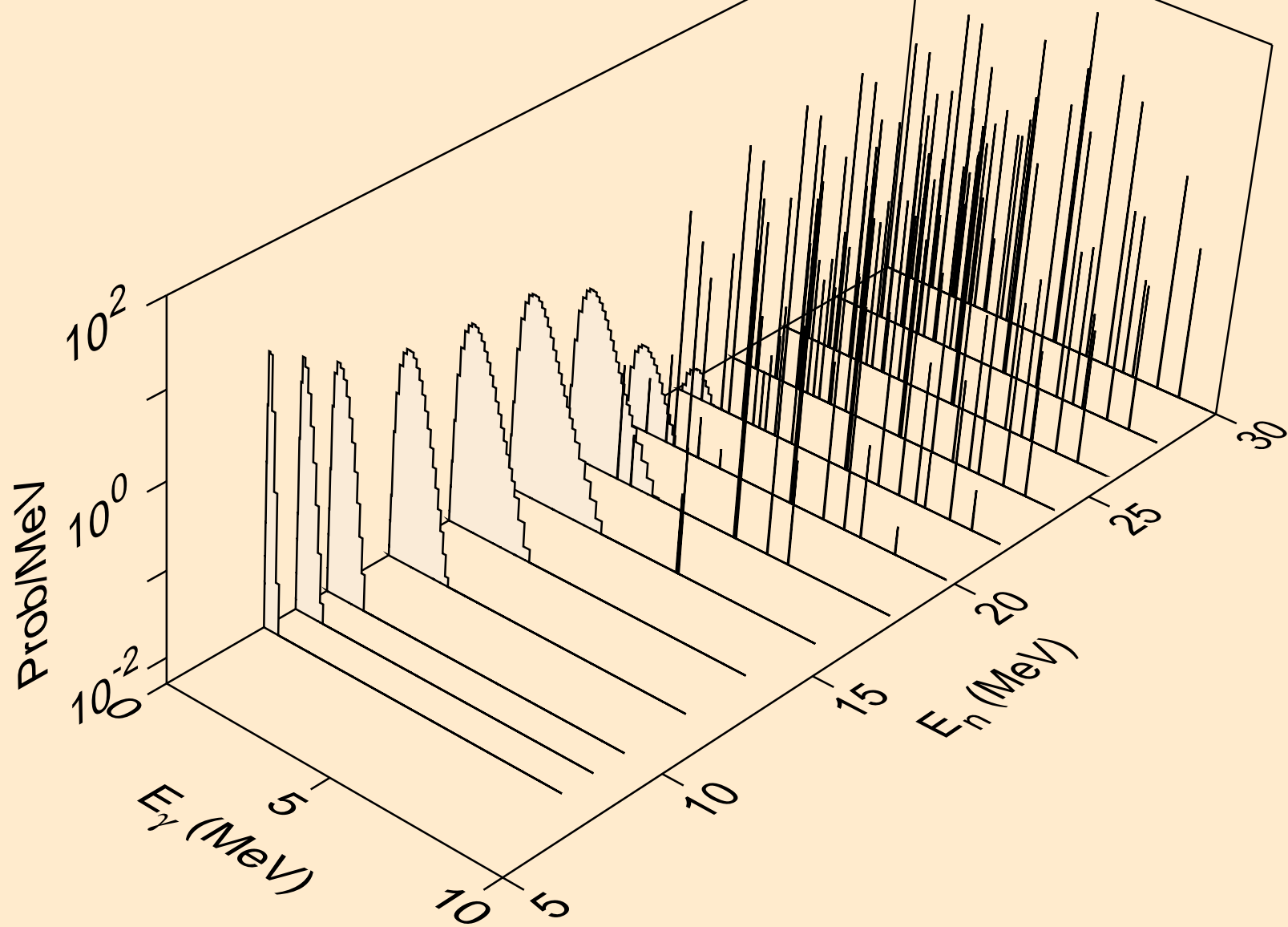
NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,he3)



NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,a)

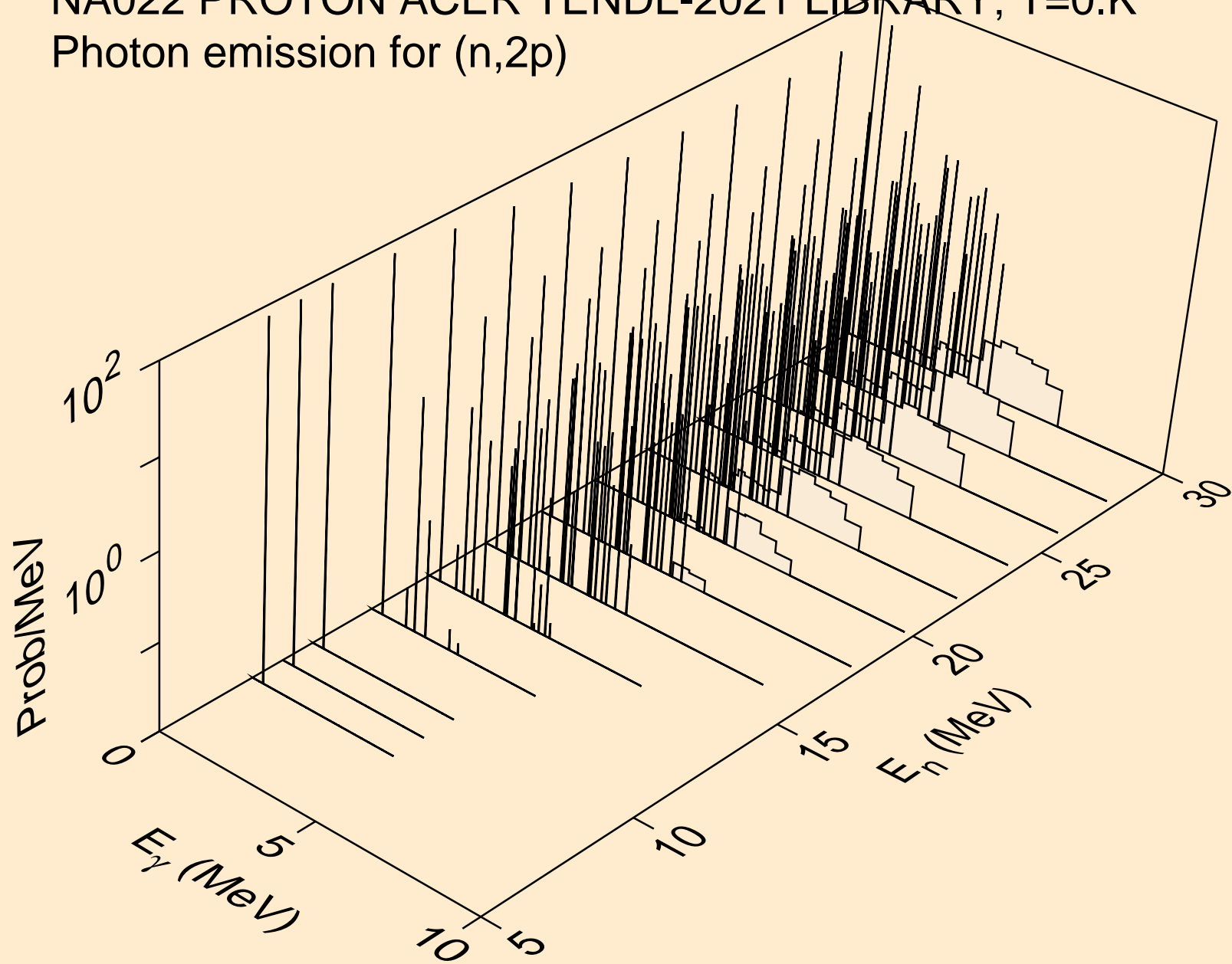


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Photon emission for (n,2a)

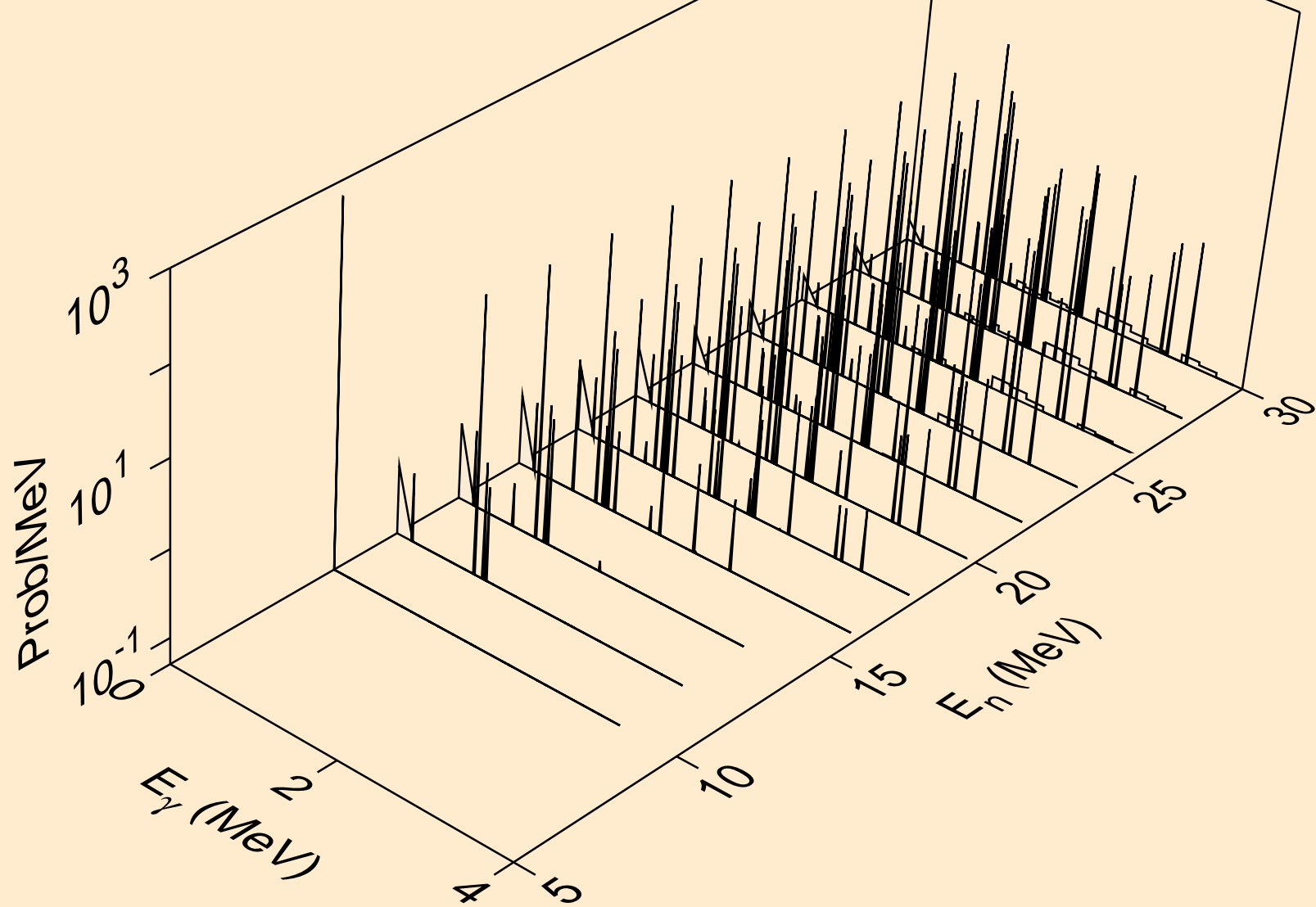




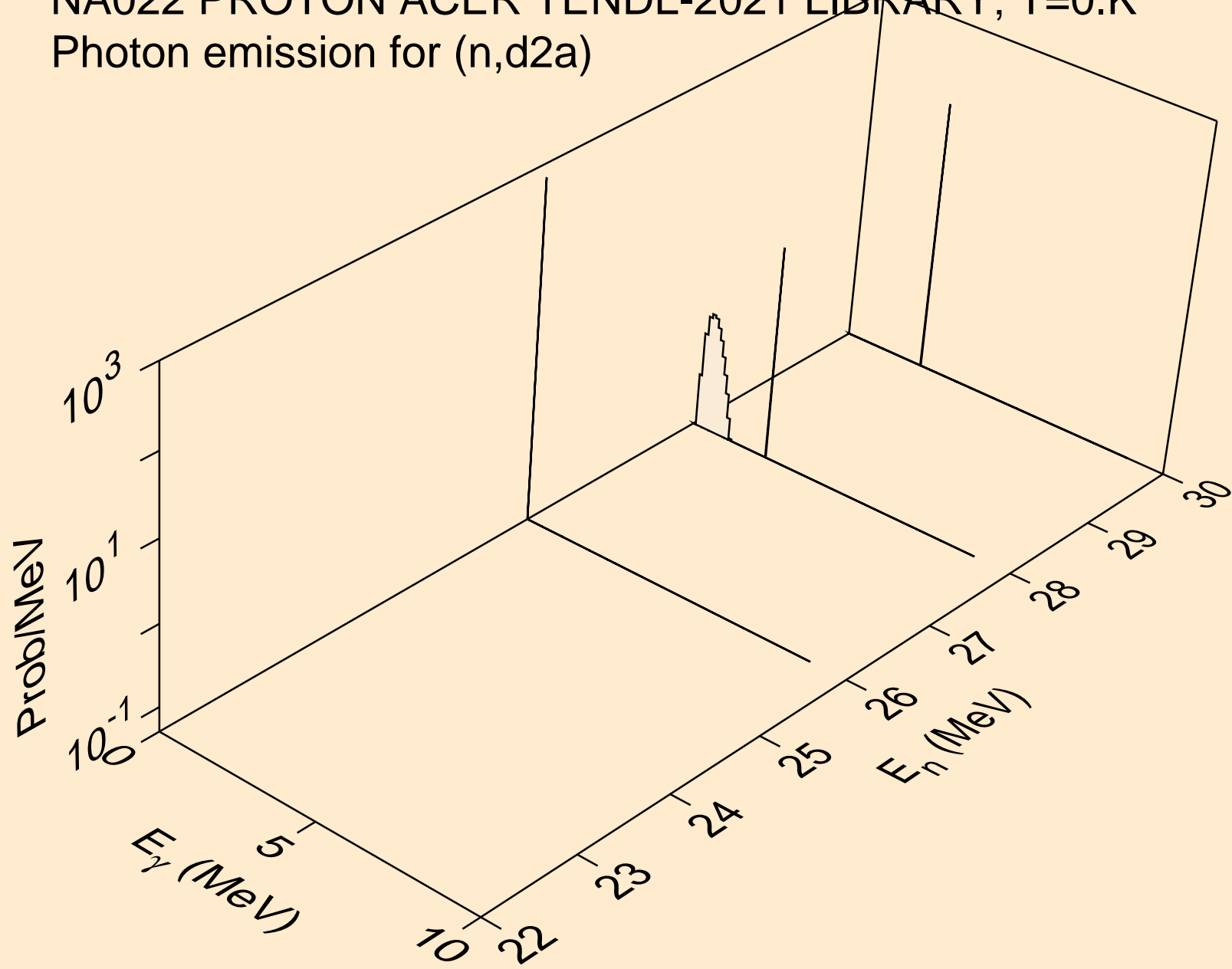
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Photon emission for (n,2p)



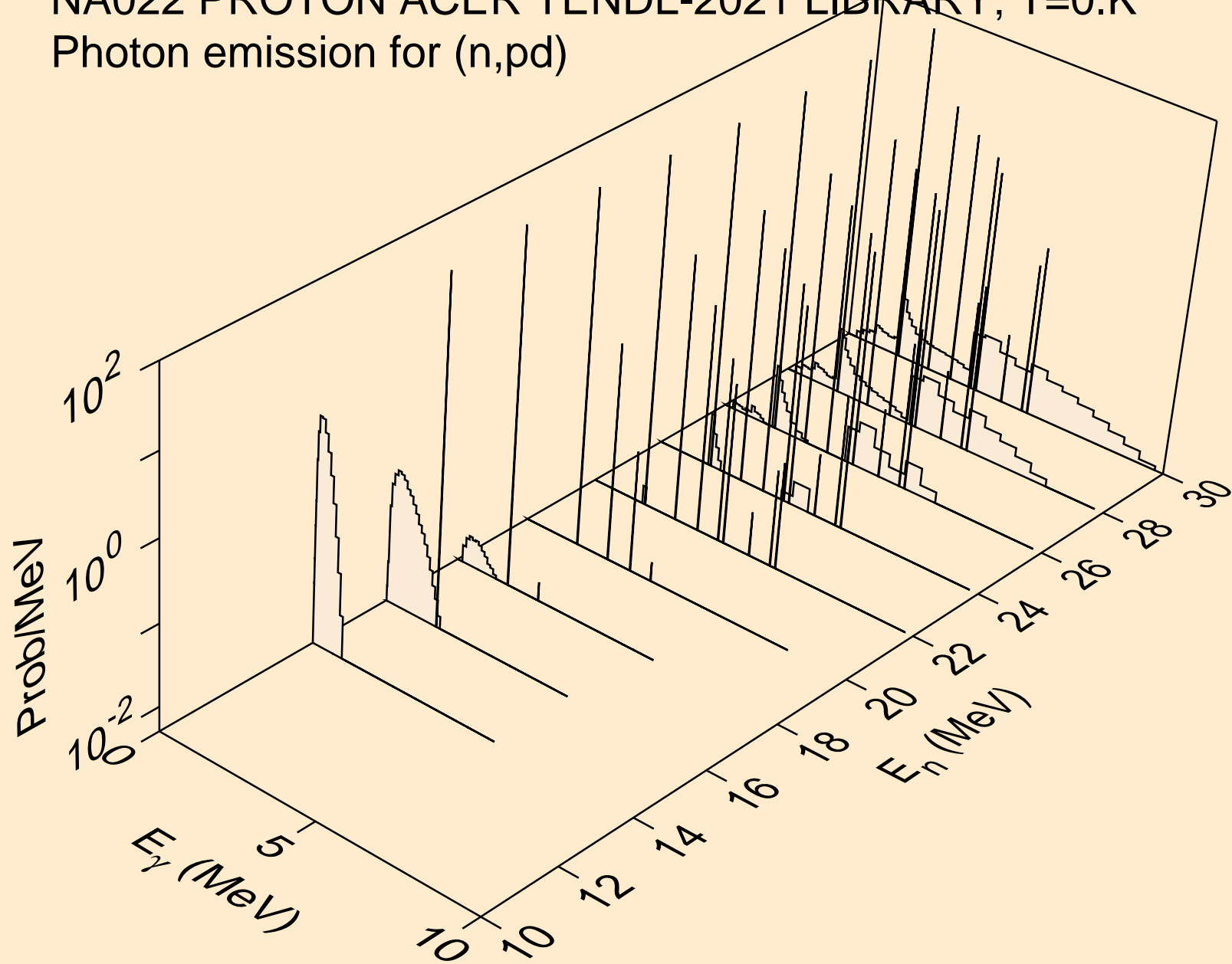
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Photon emission for (n,pa)



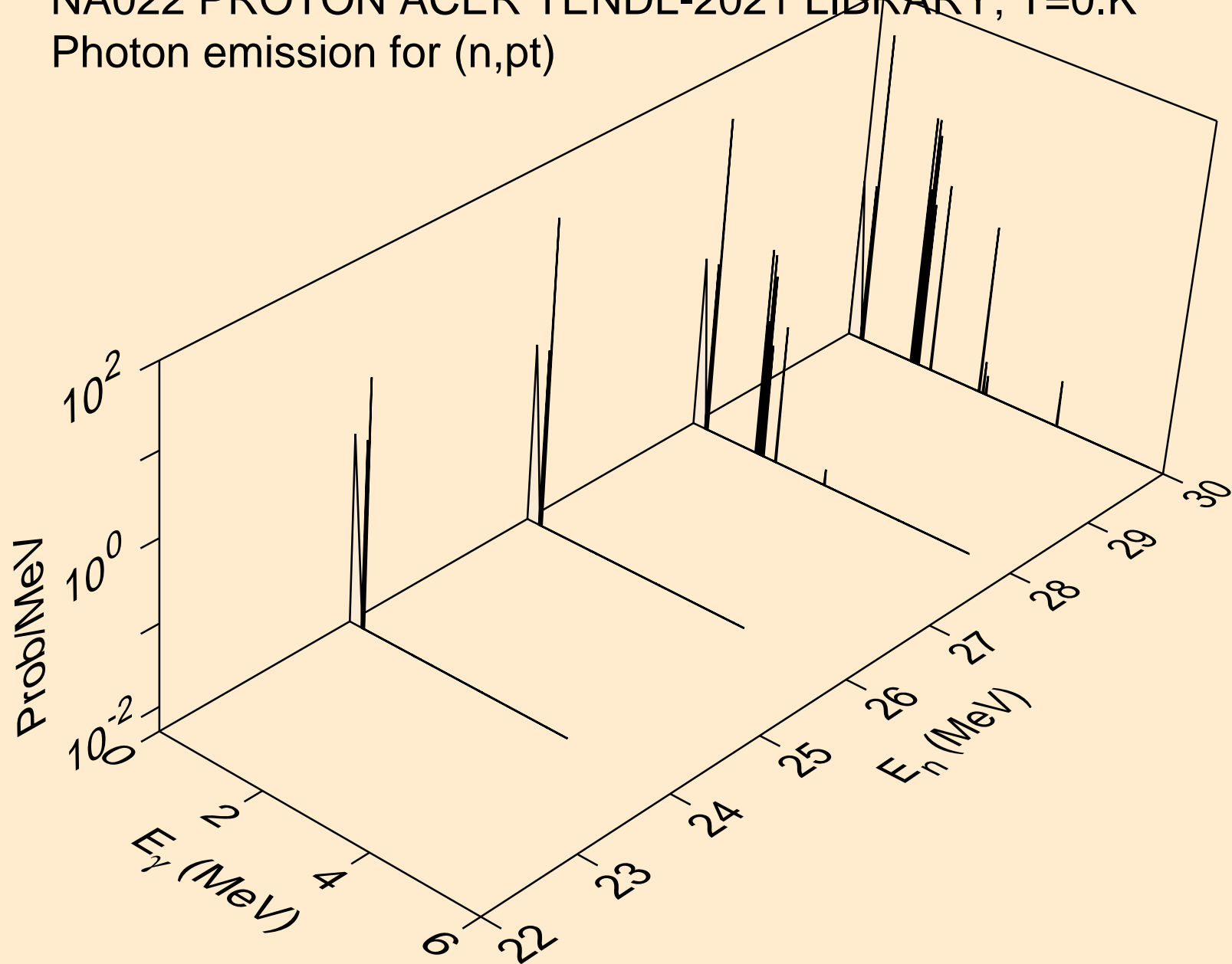
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Photon emission for (n,d2a)



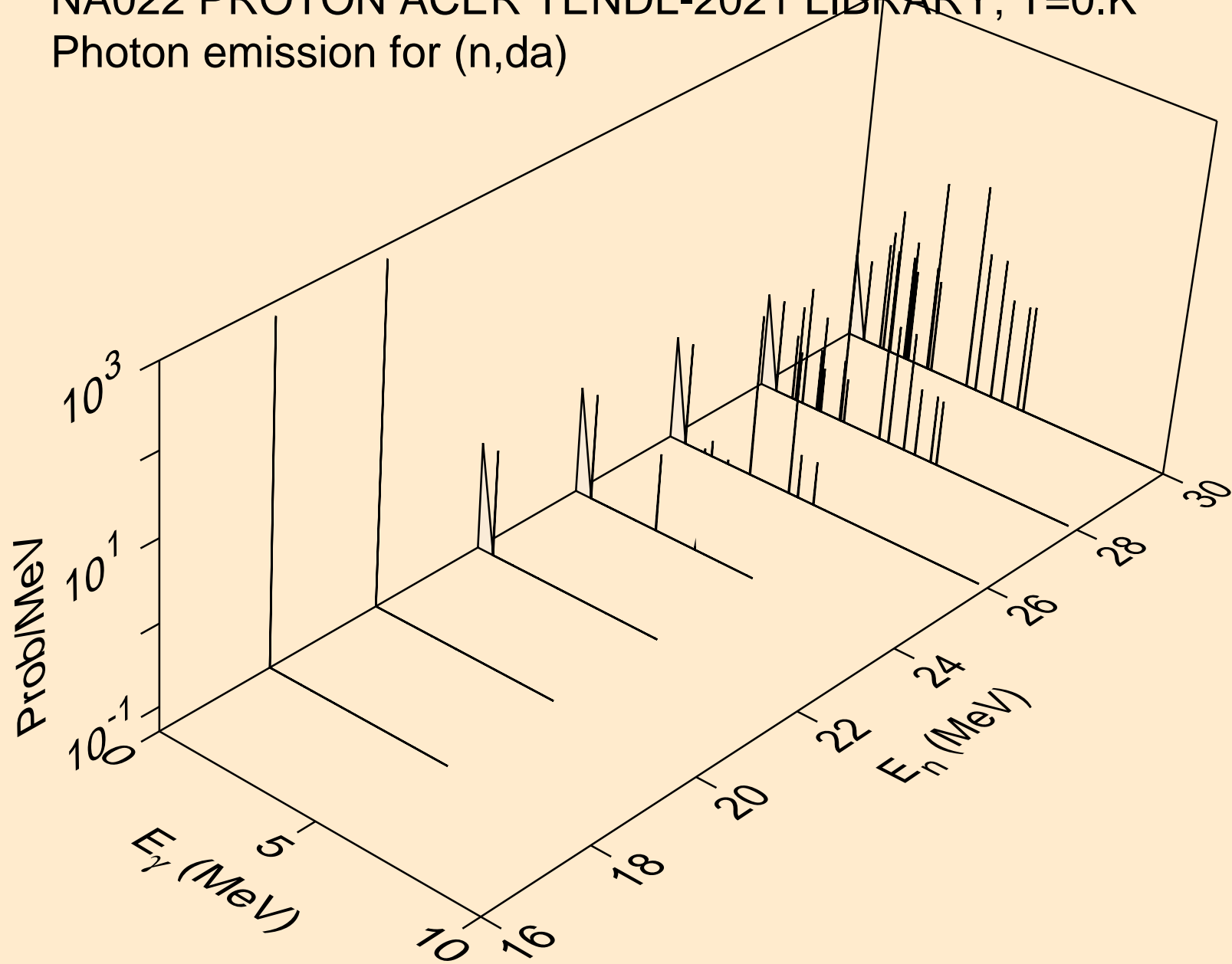
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Photon emission for (n,pd)



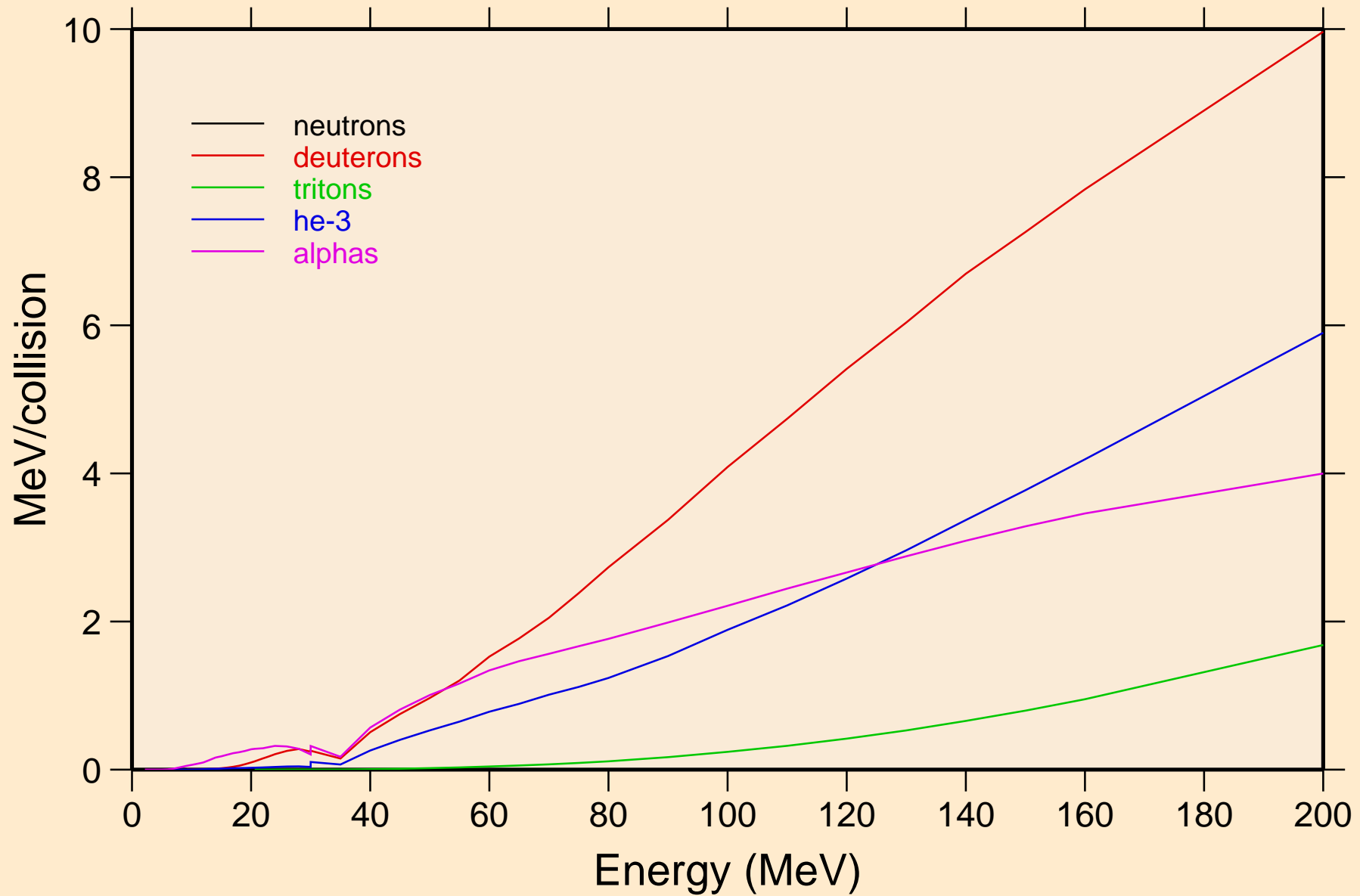
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Photon emission for (n,pt)



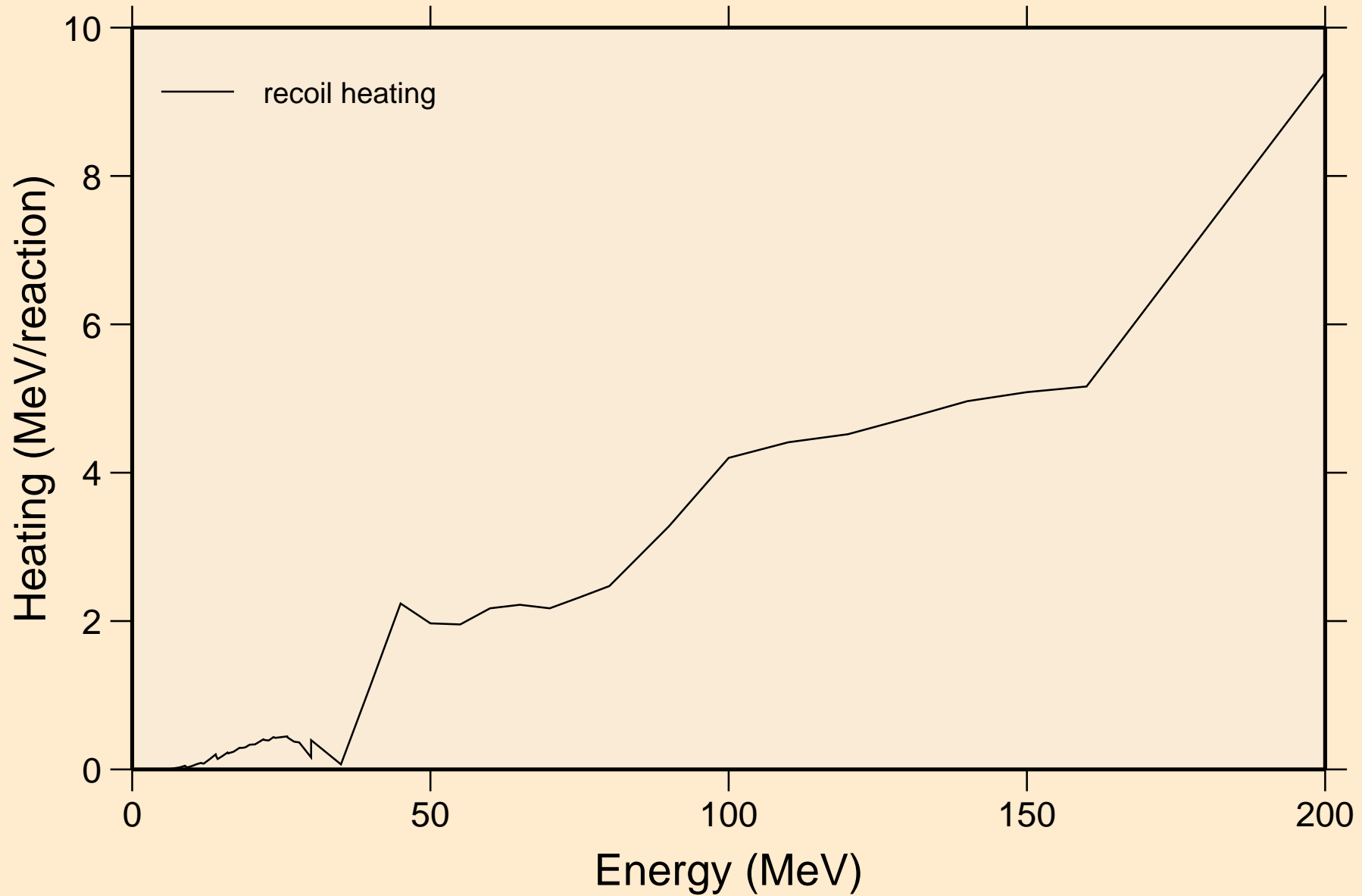
NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,da)



NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Particle heating contributions



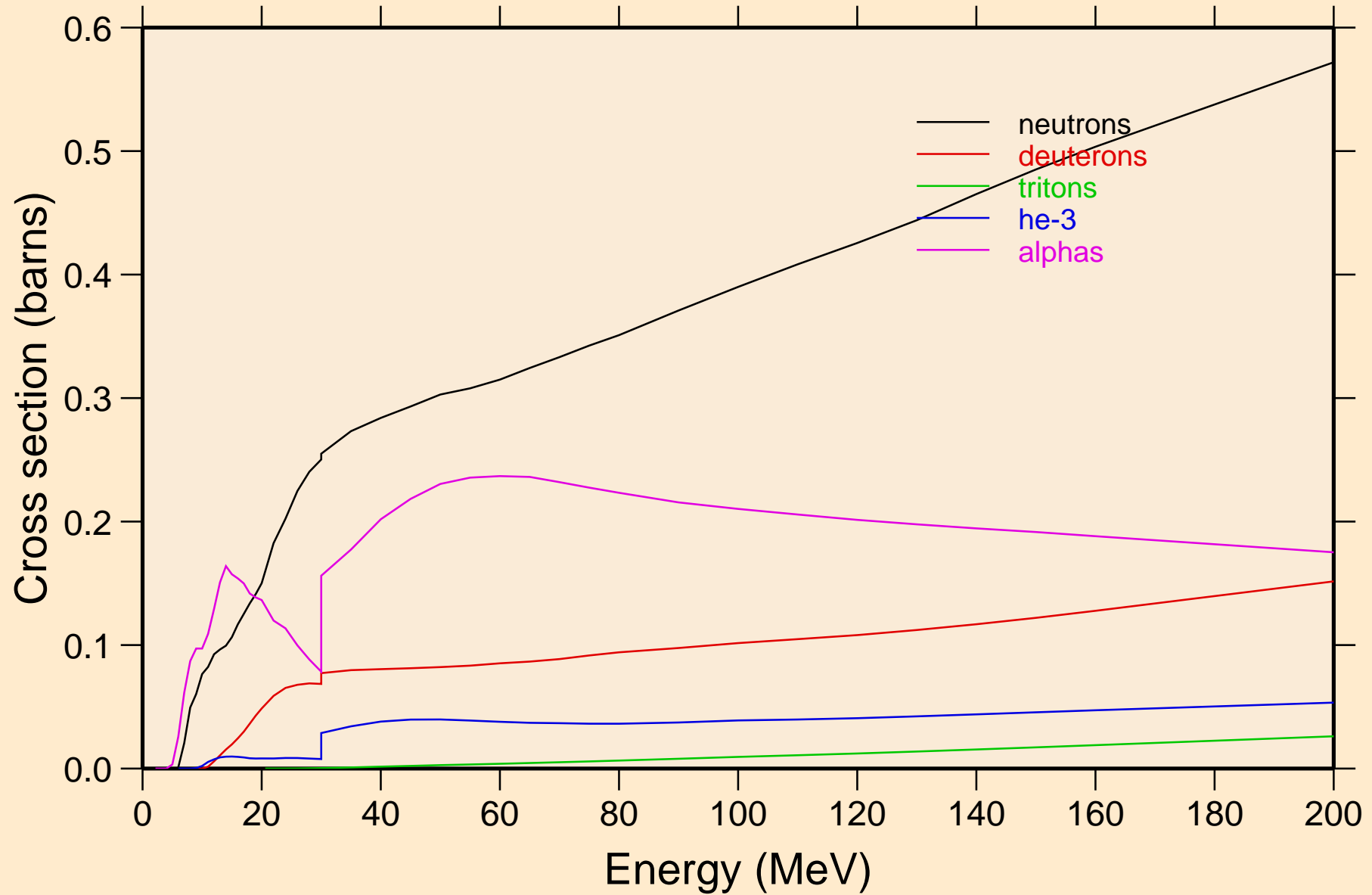
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Recoil Heating



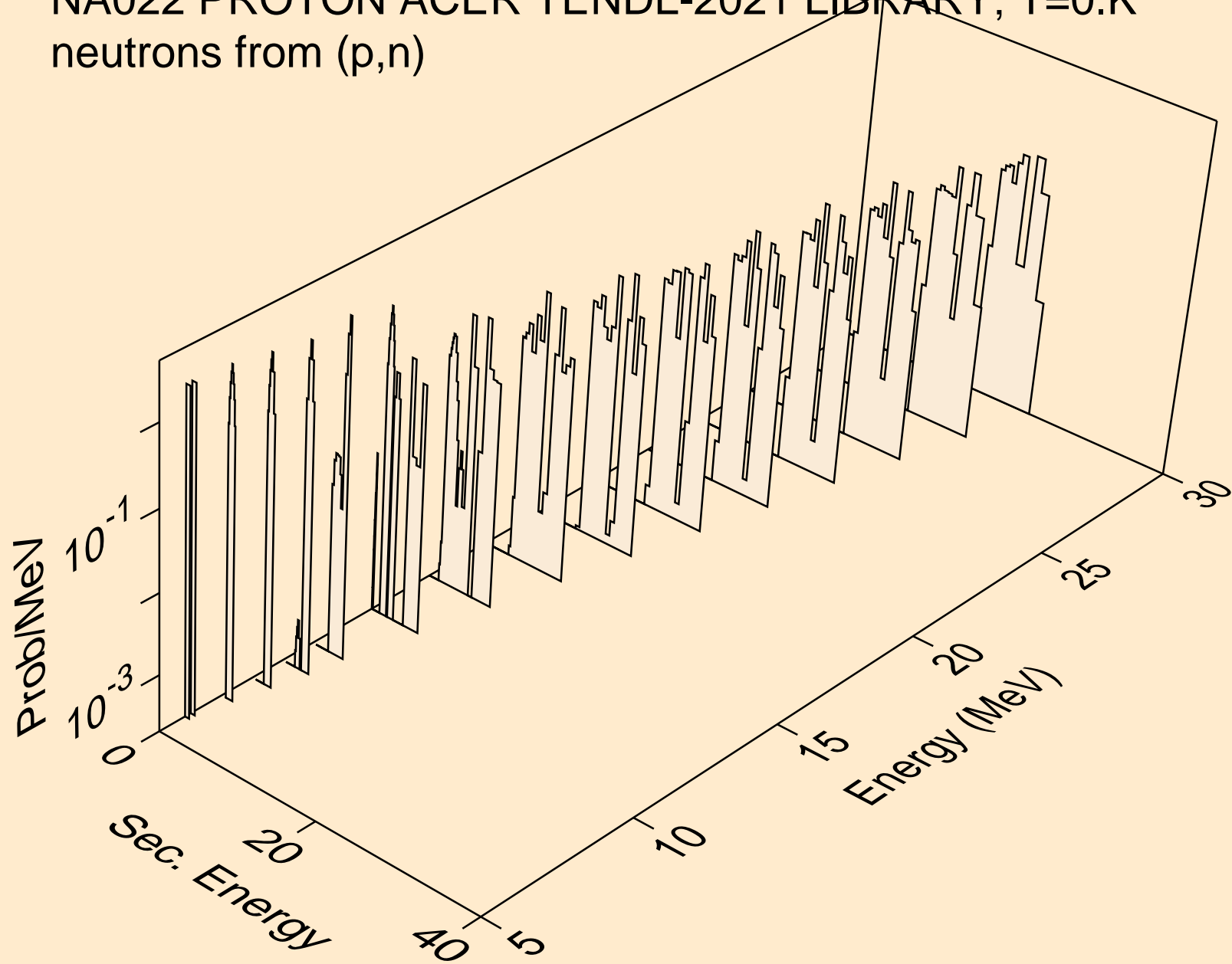


# NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K

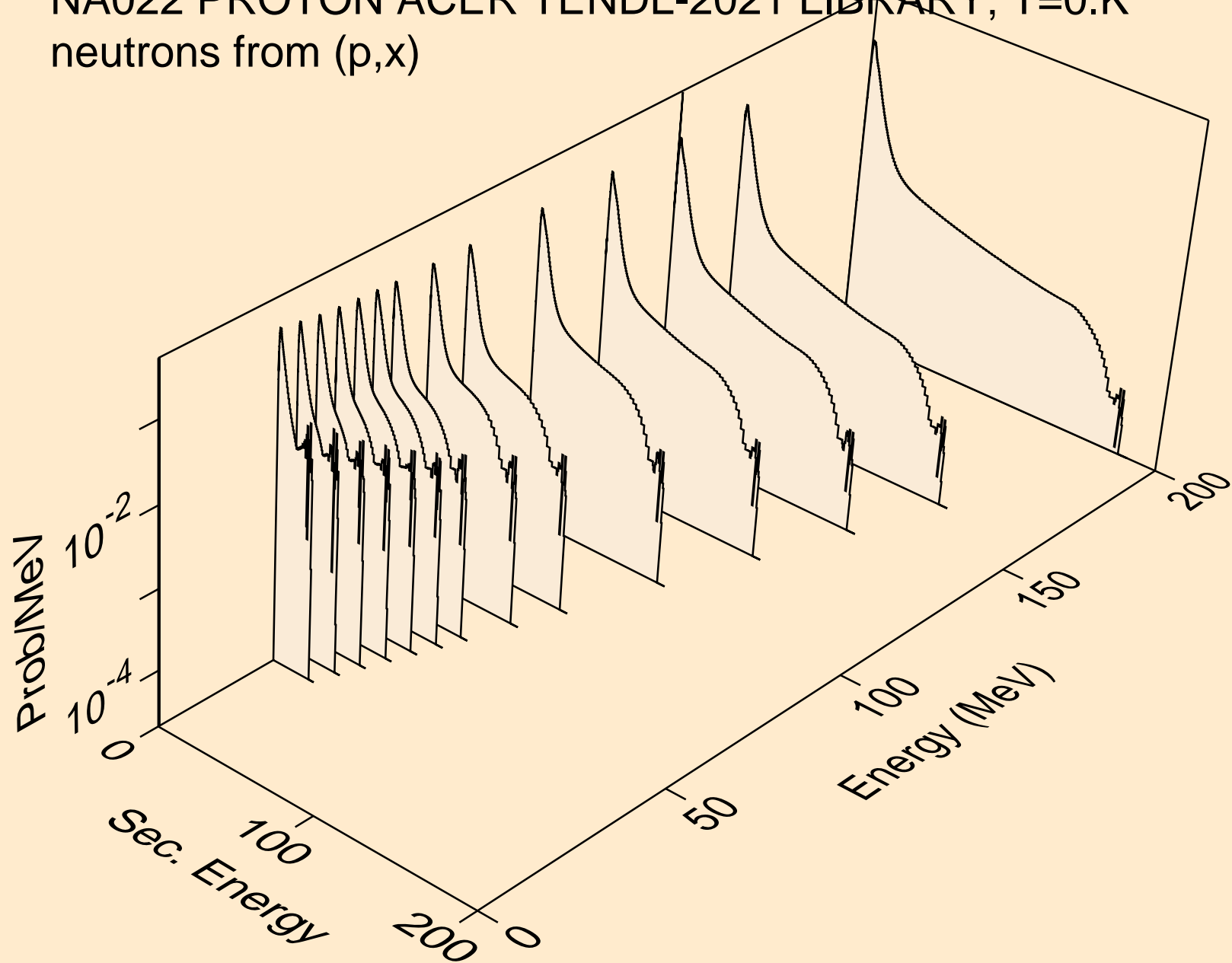
## Particle production cross sections



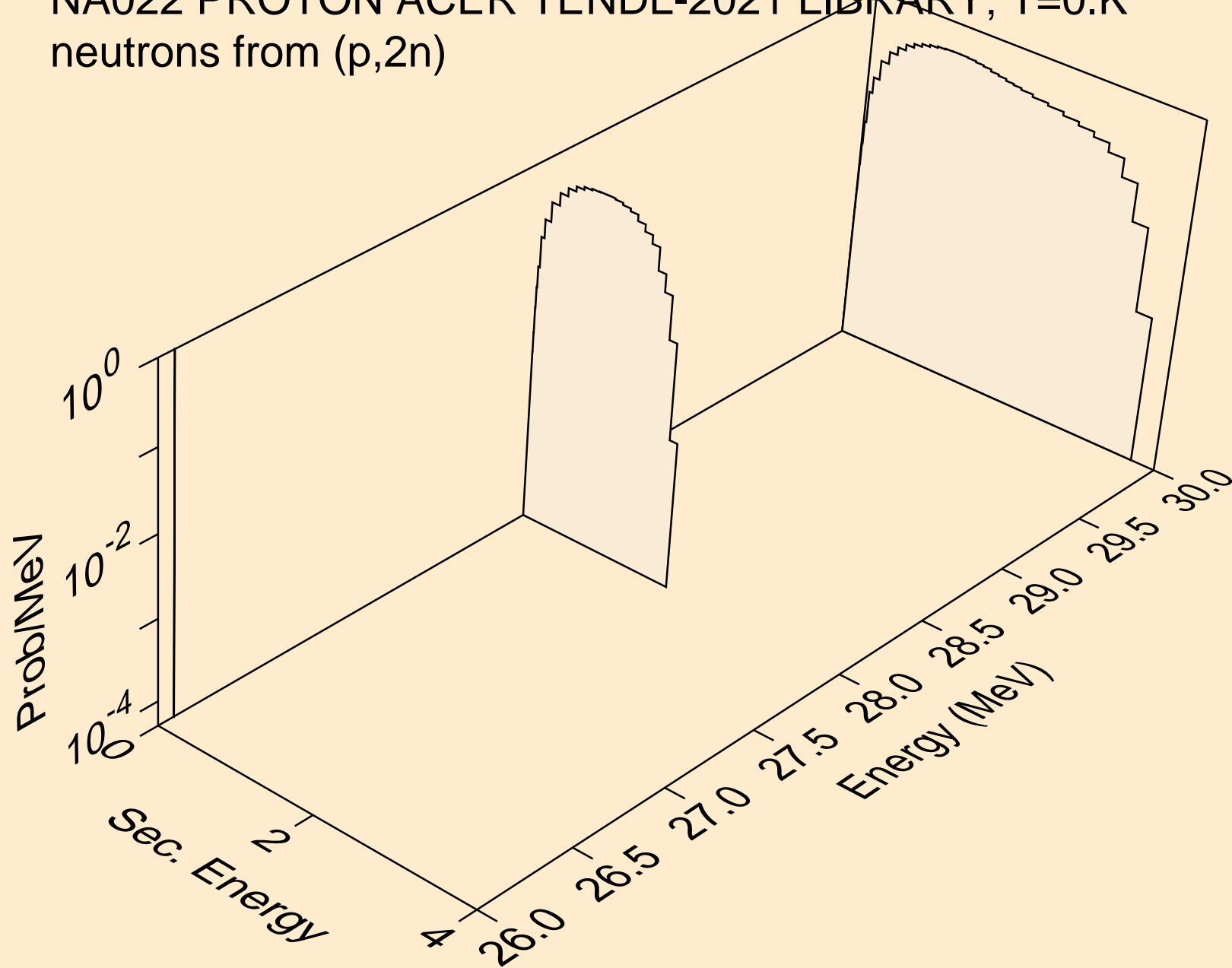
NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n)



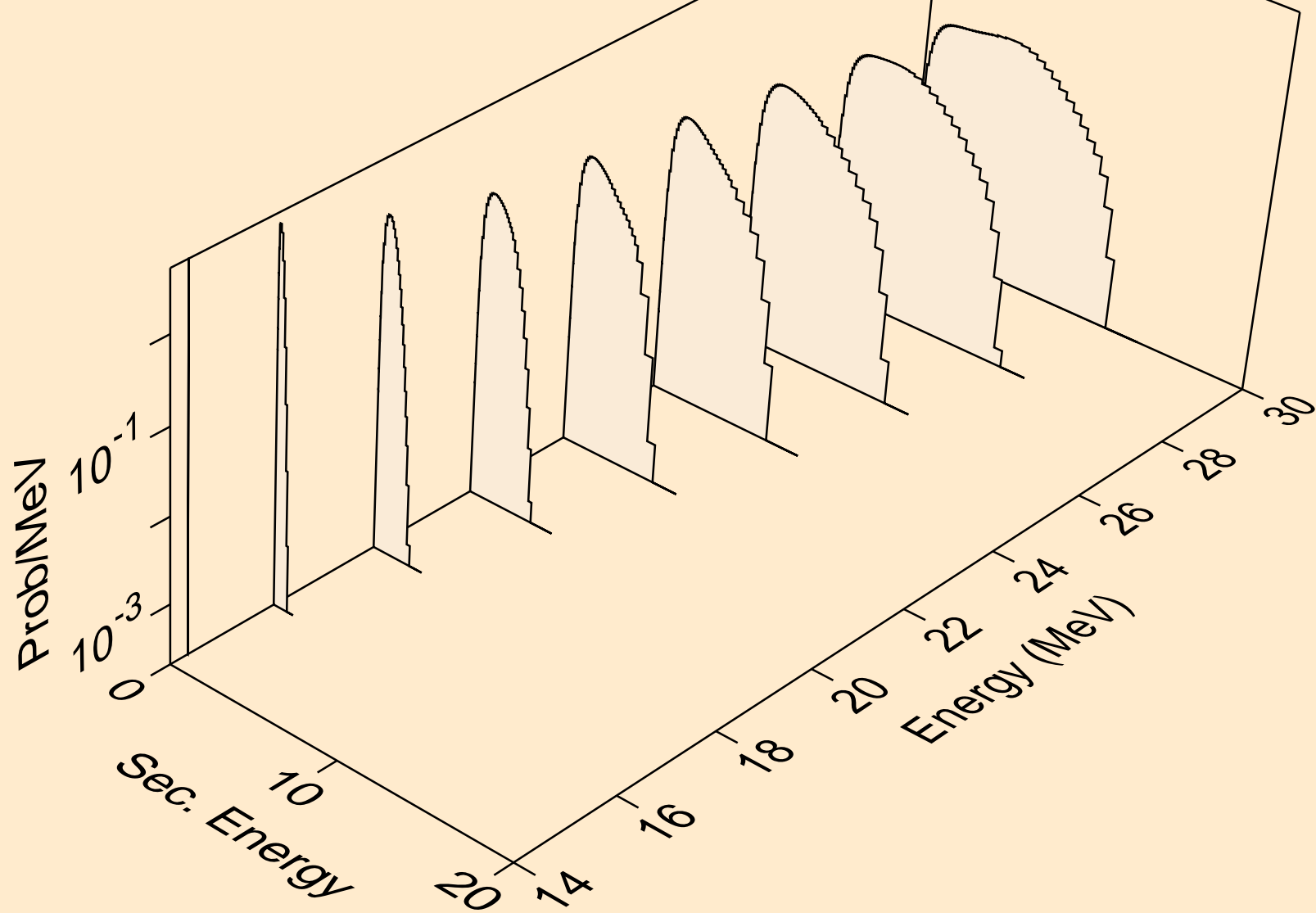
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neutrons from (p,x)



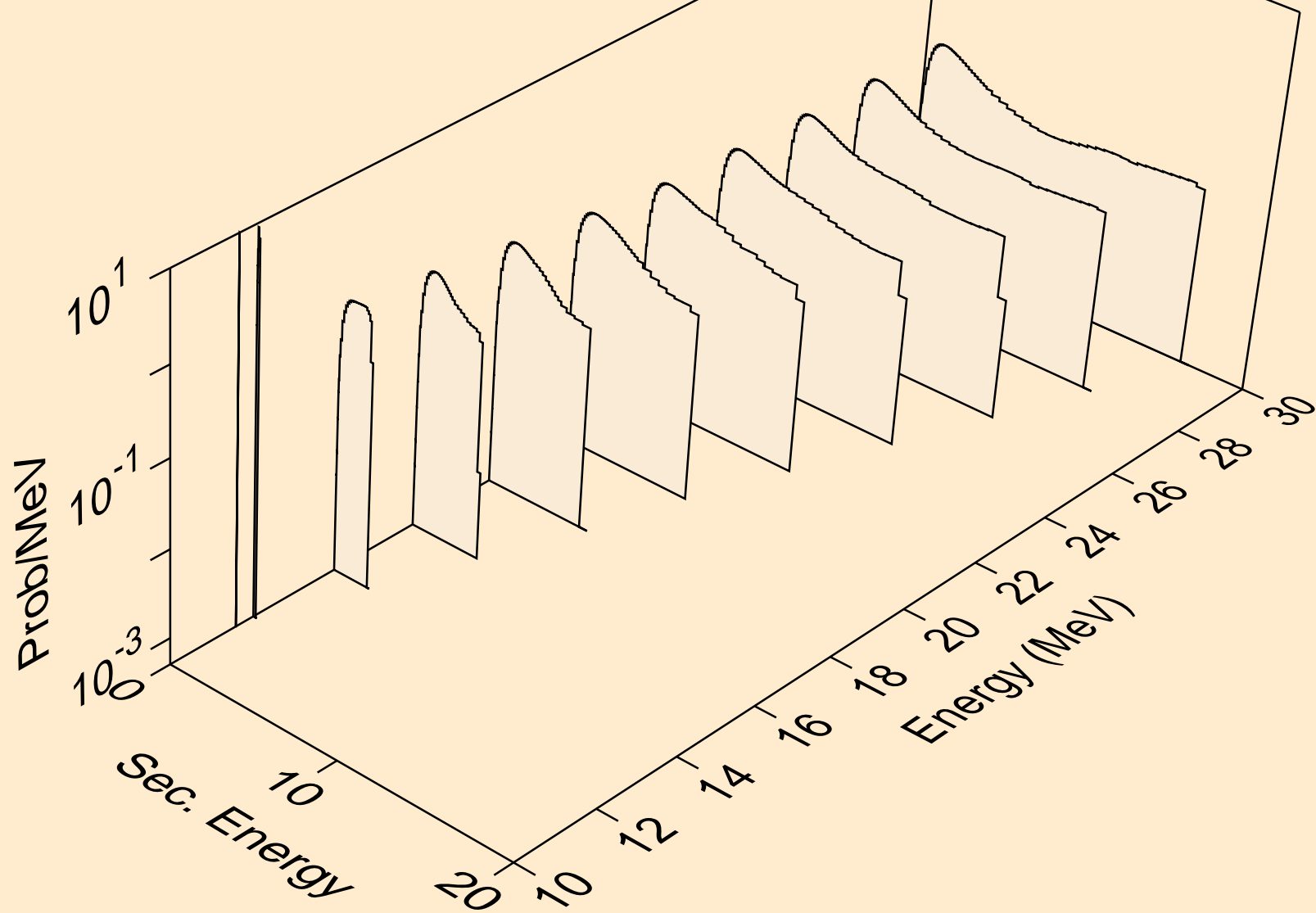
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neutrons from (p,2n)



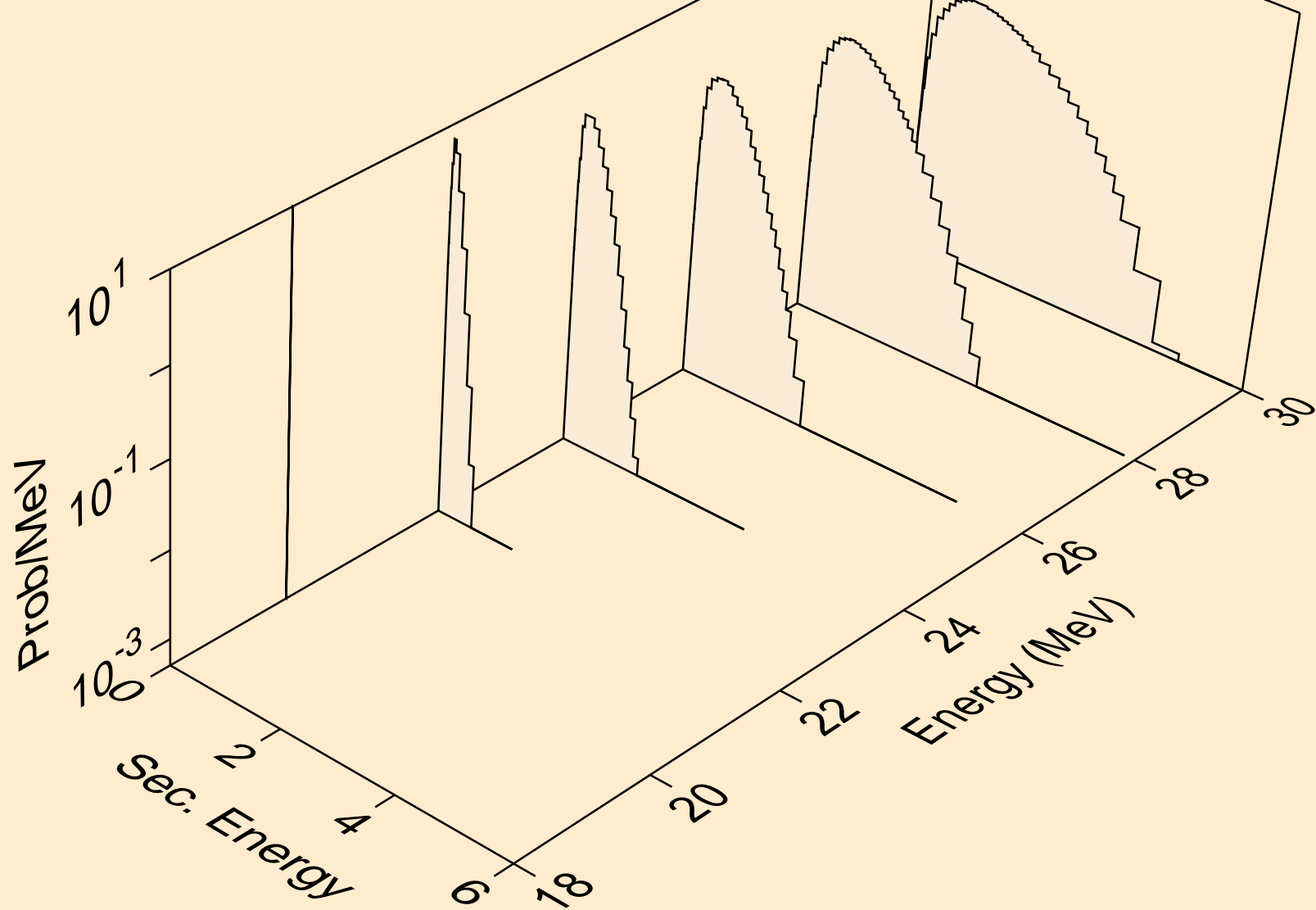
NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)a



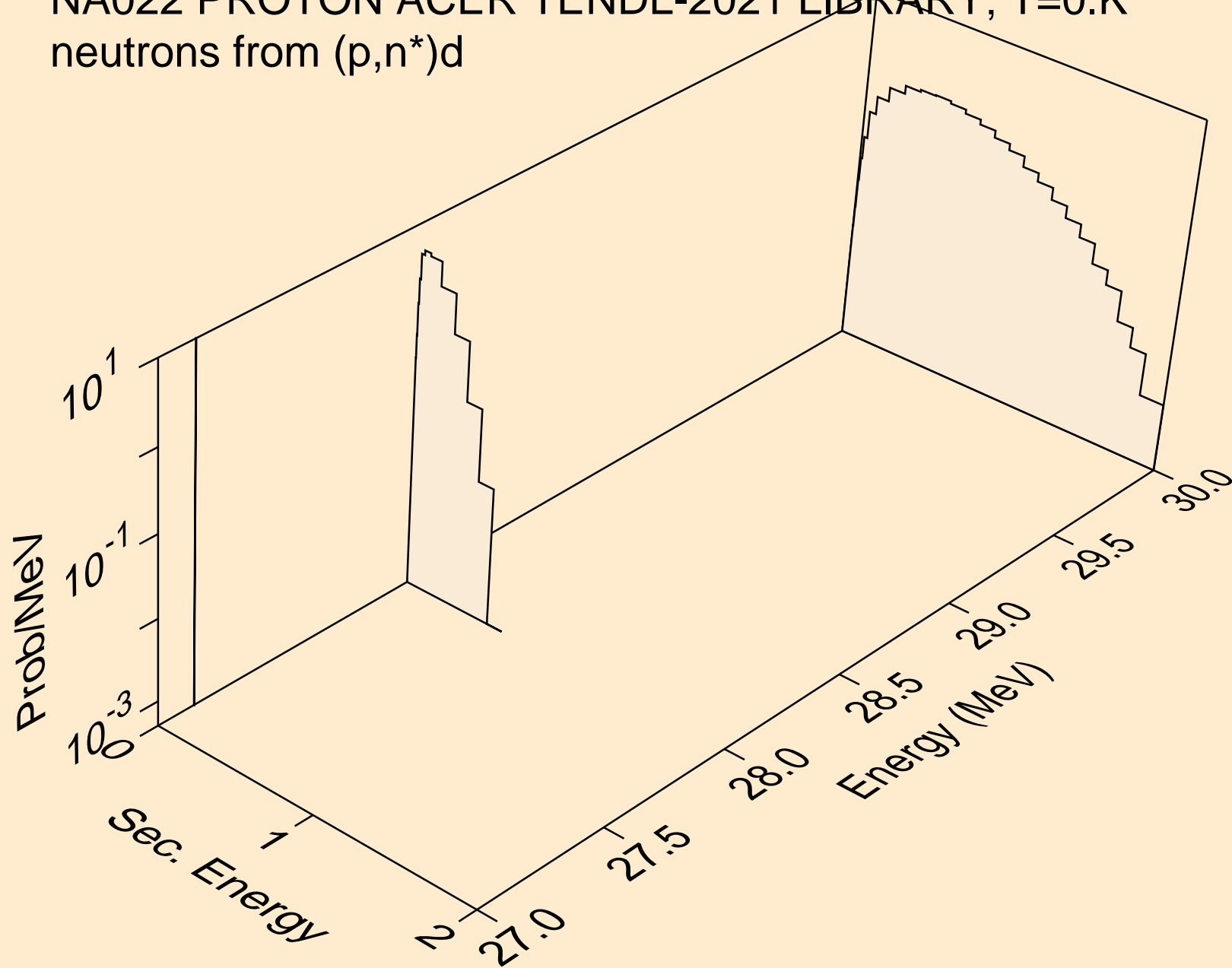
NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)p



NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)2a

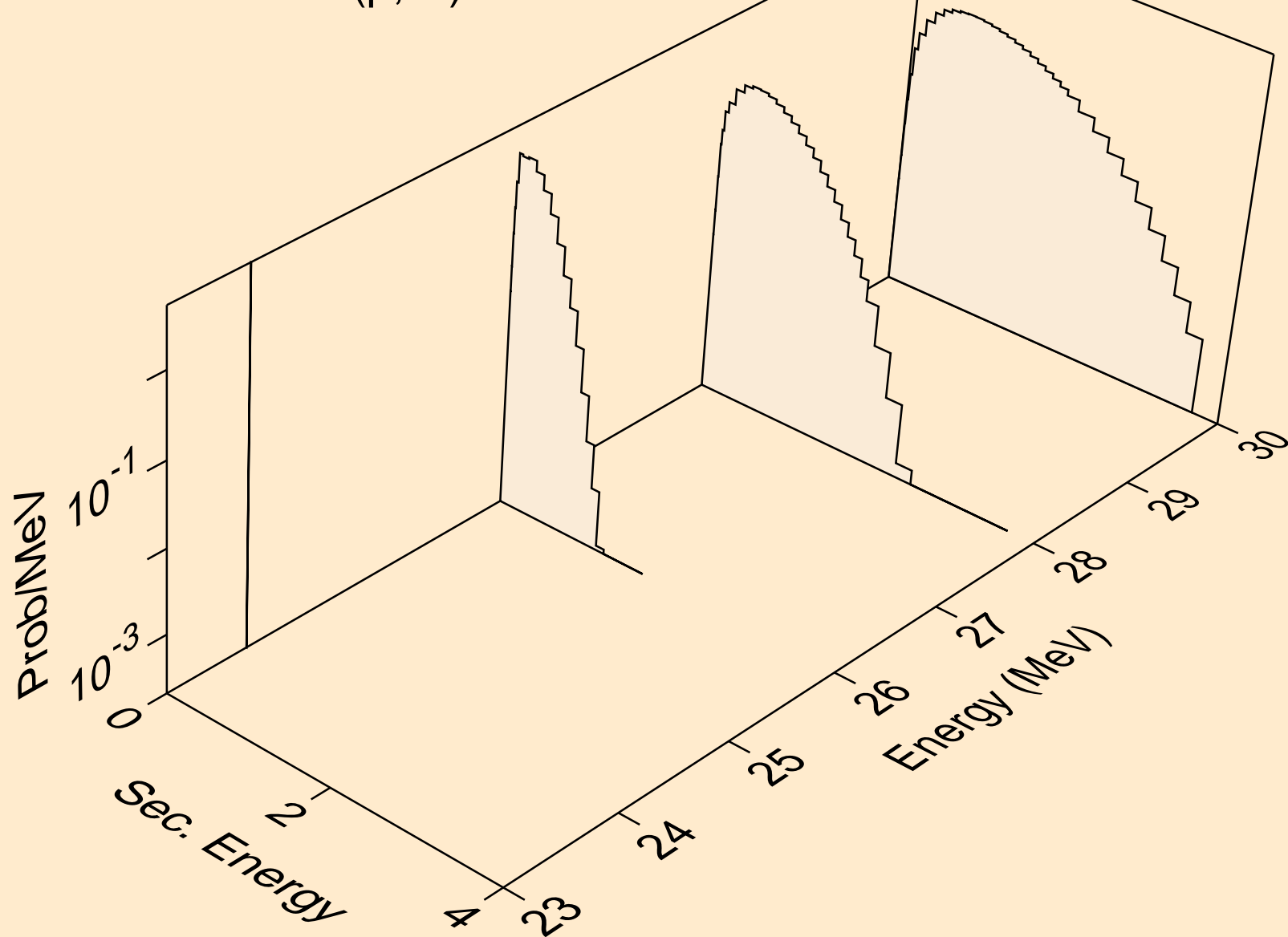


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neutrons from (p,n\*)d

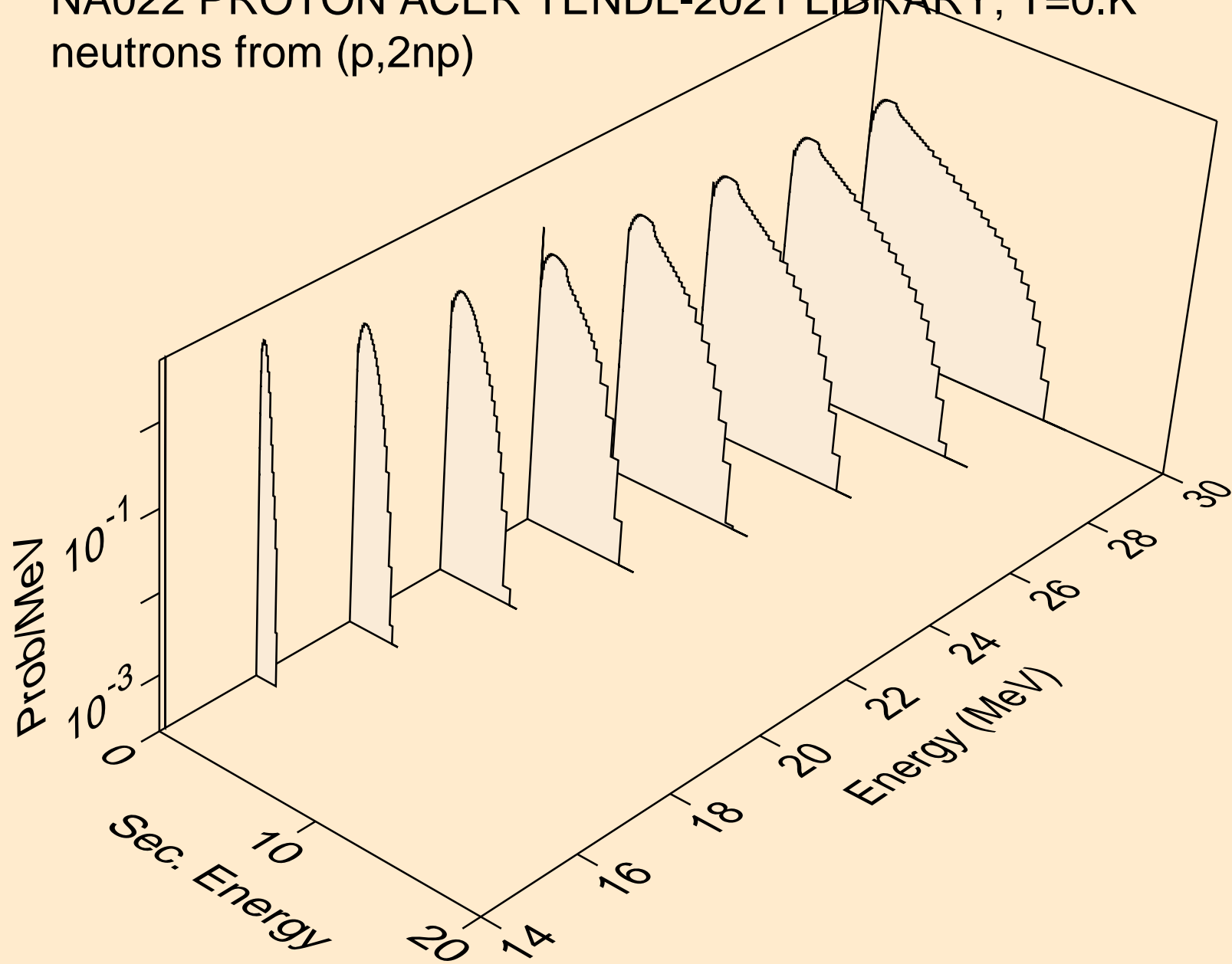




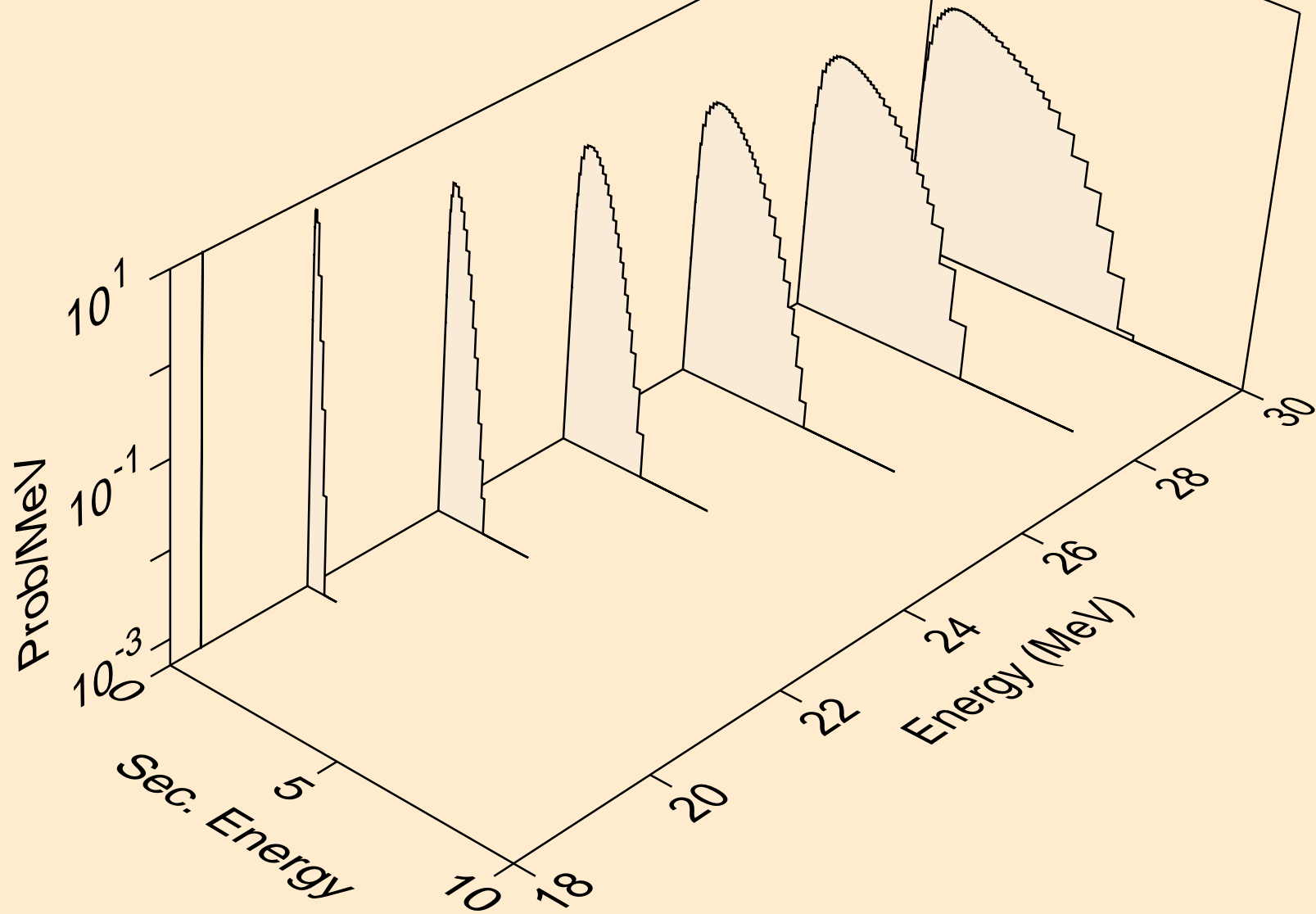
NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



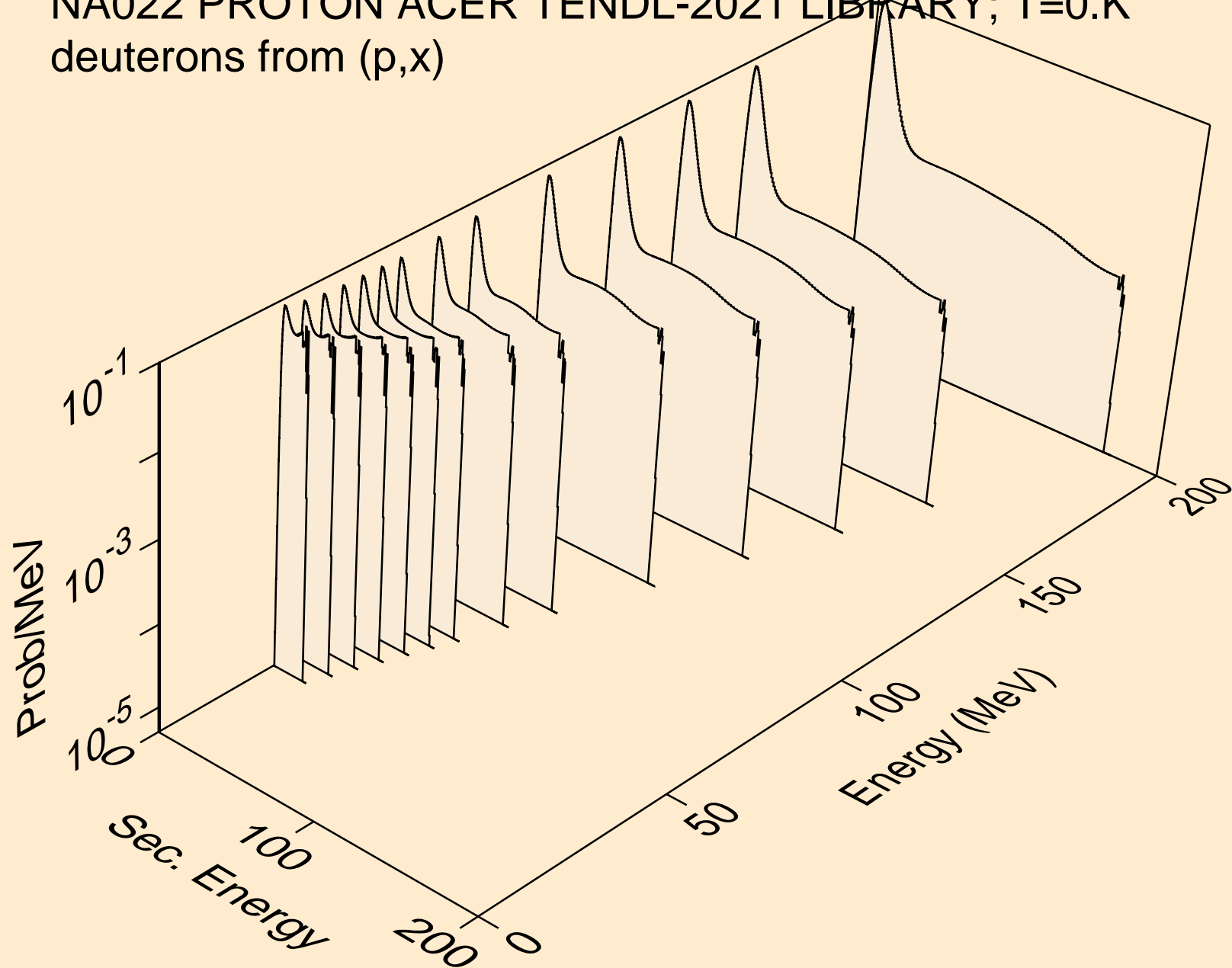
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neutrons from (p,2np)



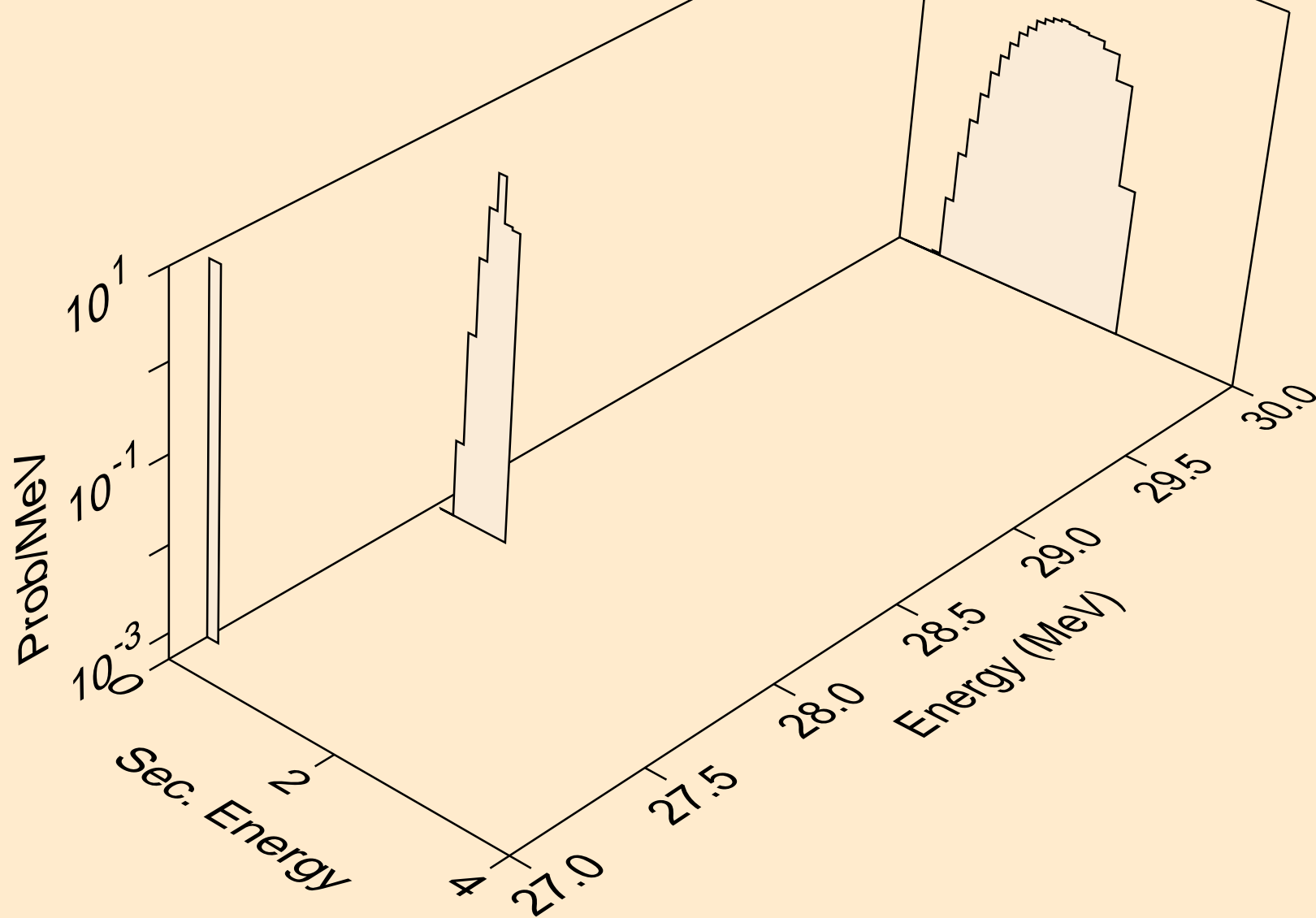
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neutrons from (p,npa)



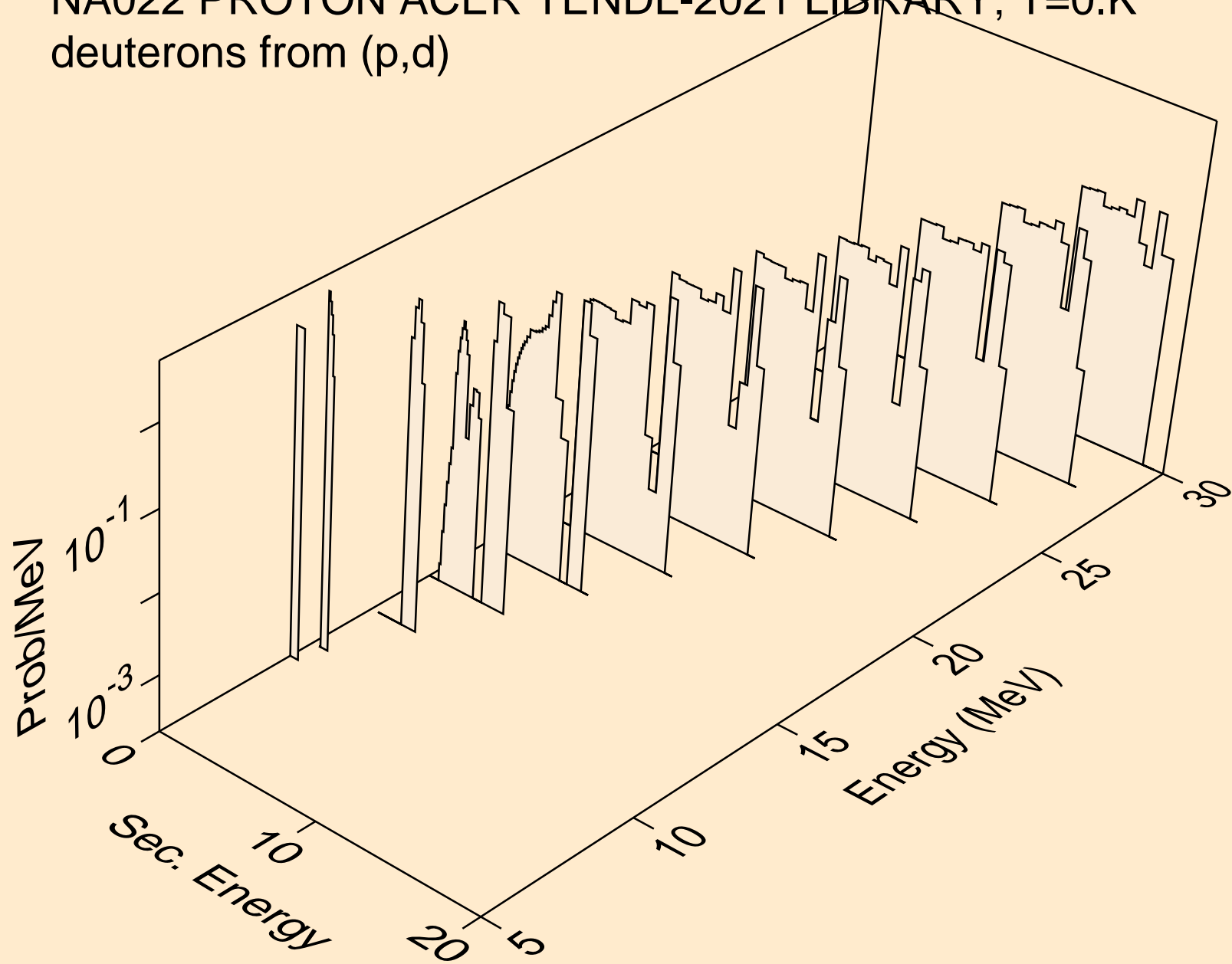
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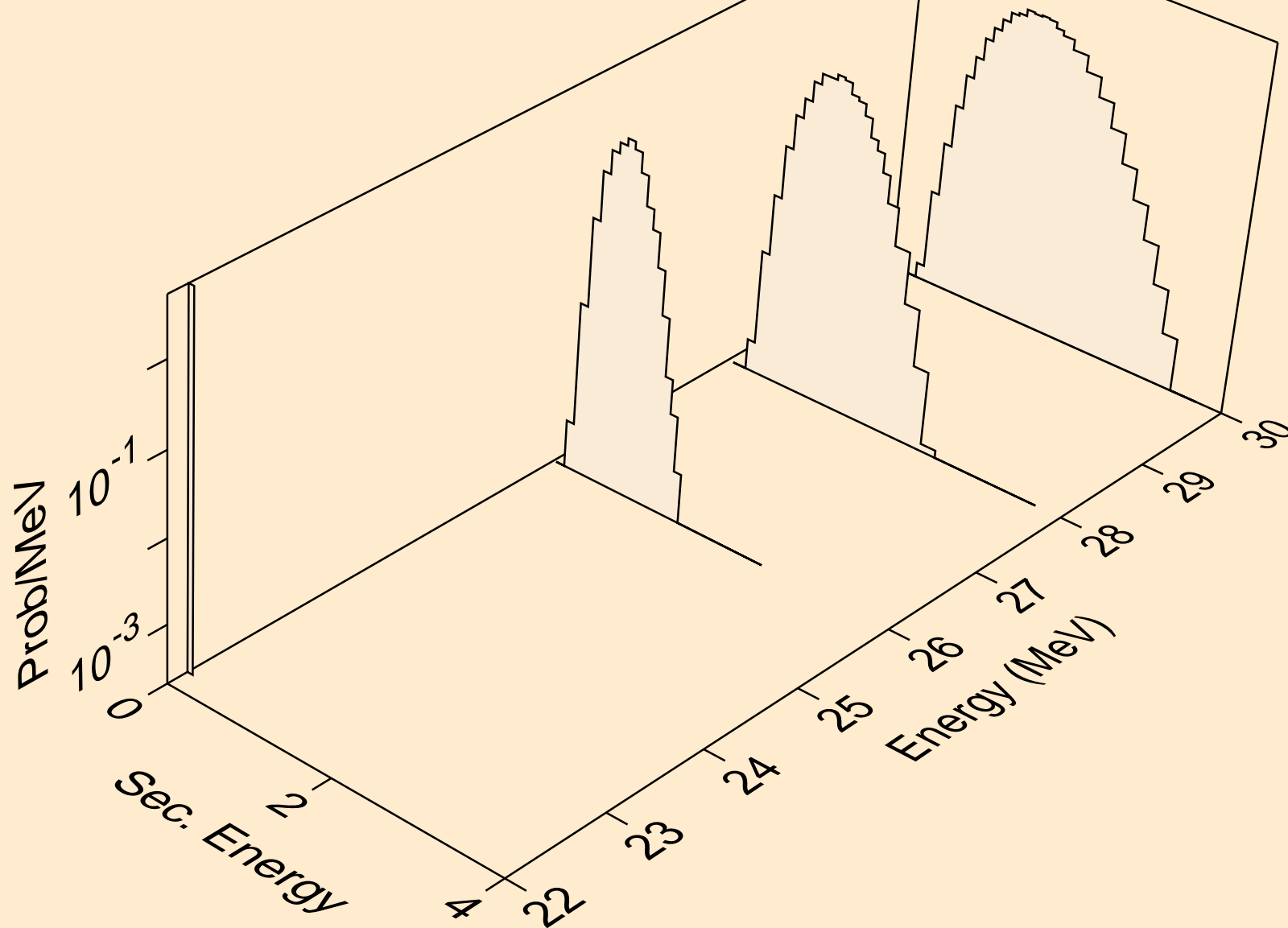
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deuterons from (p,n\*)d



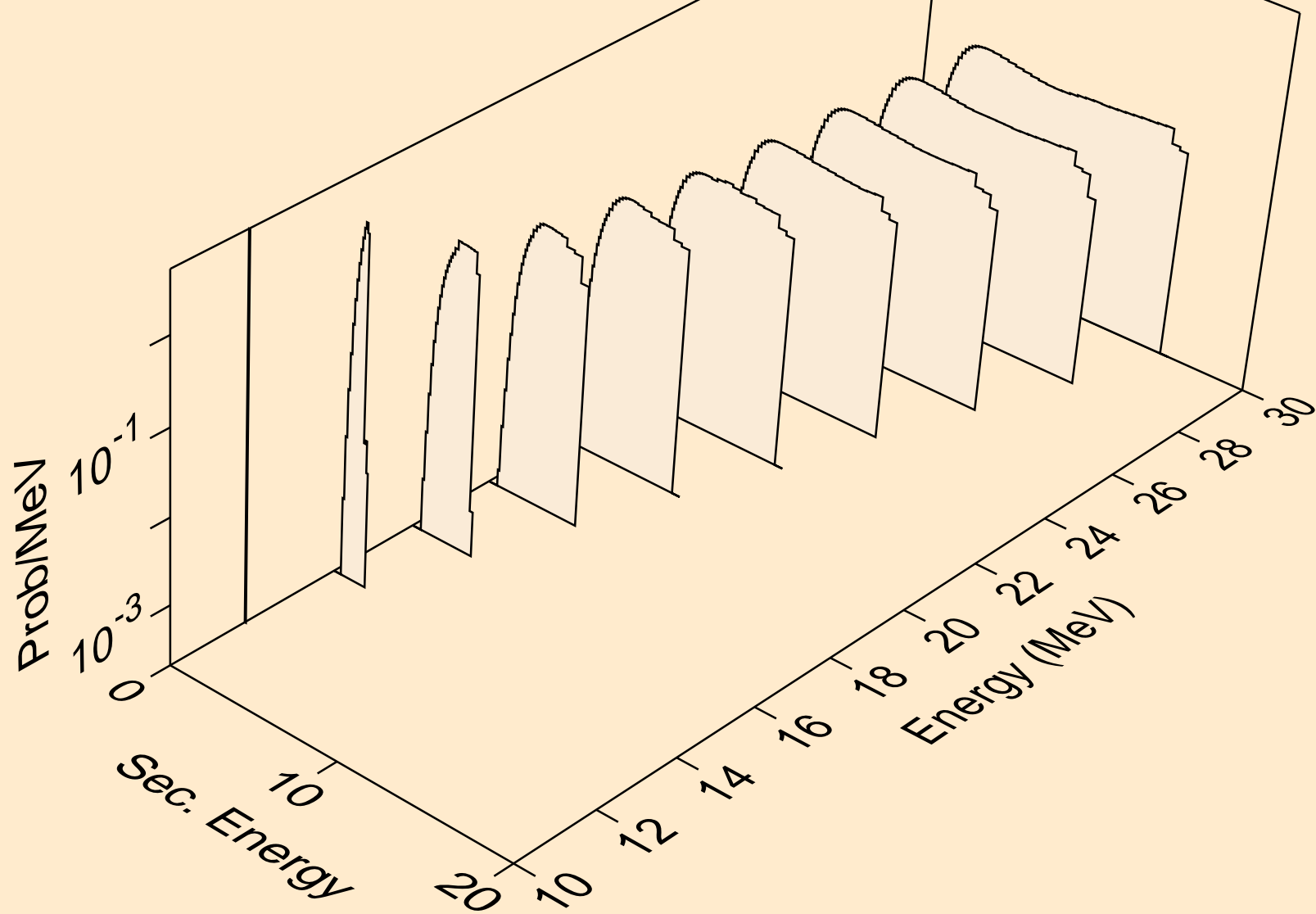
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NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,d2a)

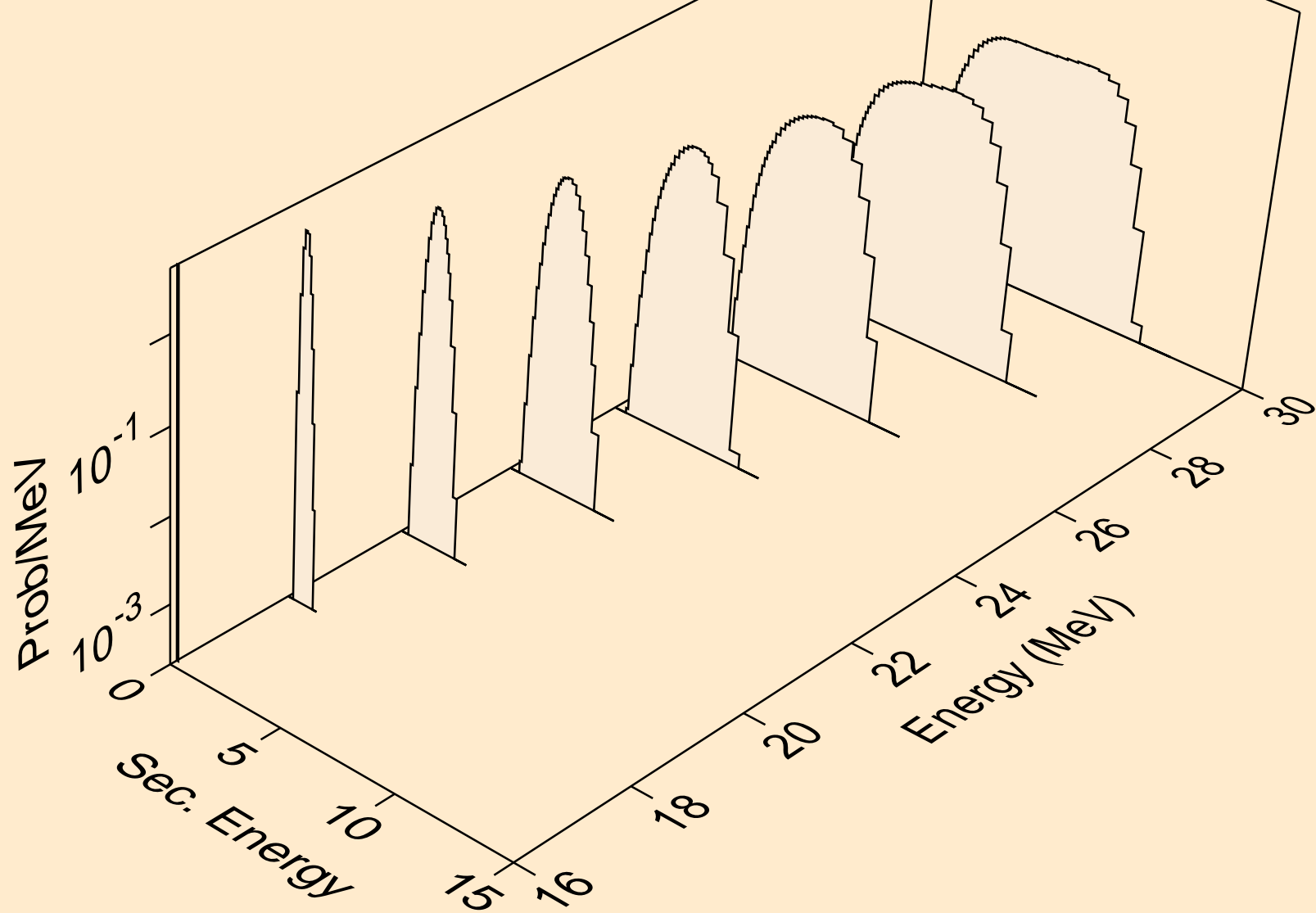


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deuterons from (p,pd)

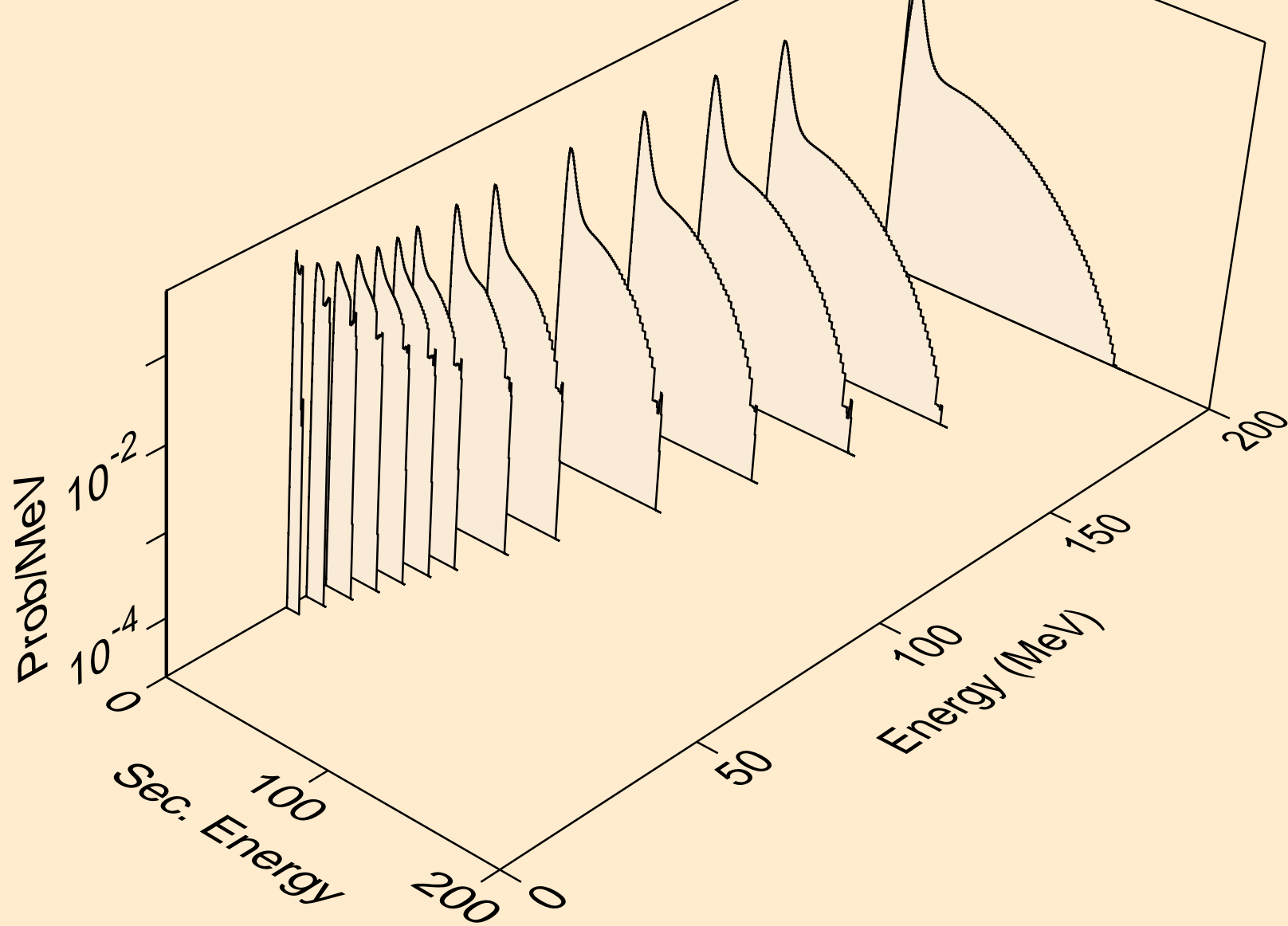




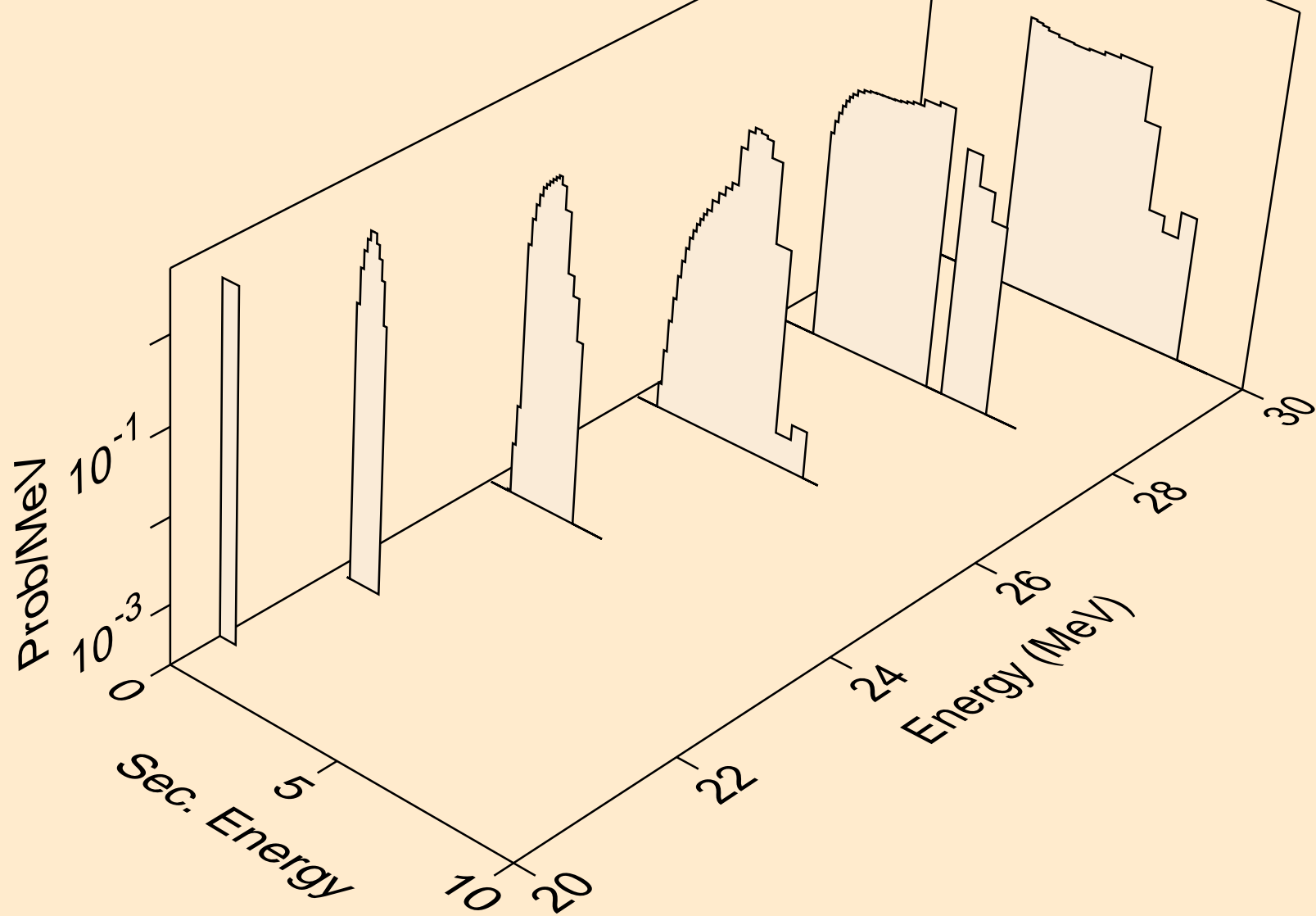
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deuterons from (p,da)



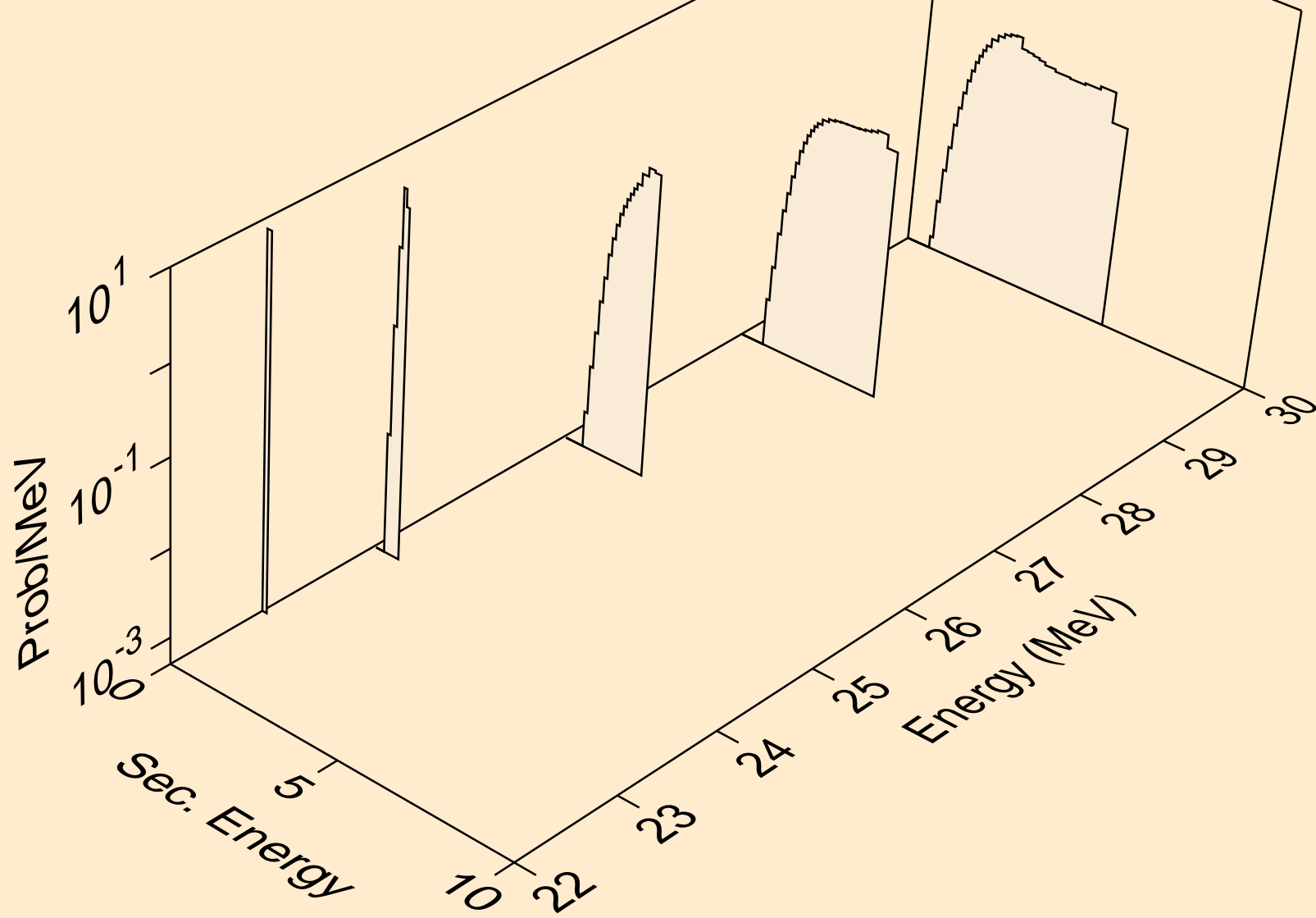
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tritons from (p,x)



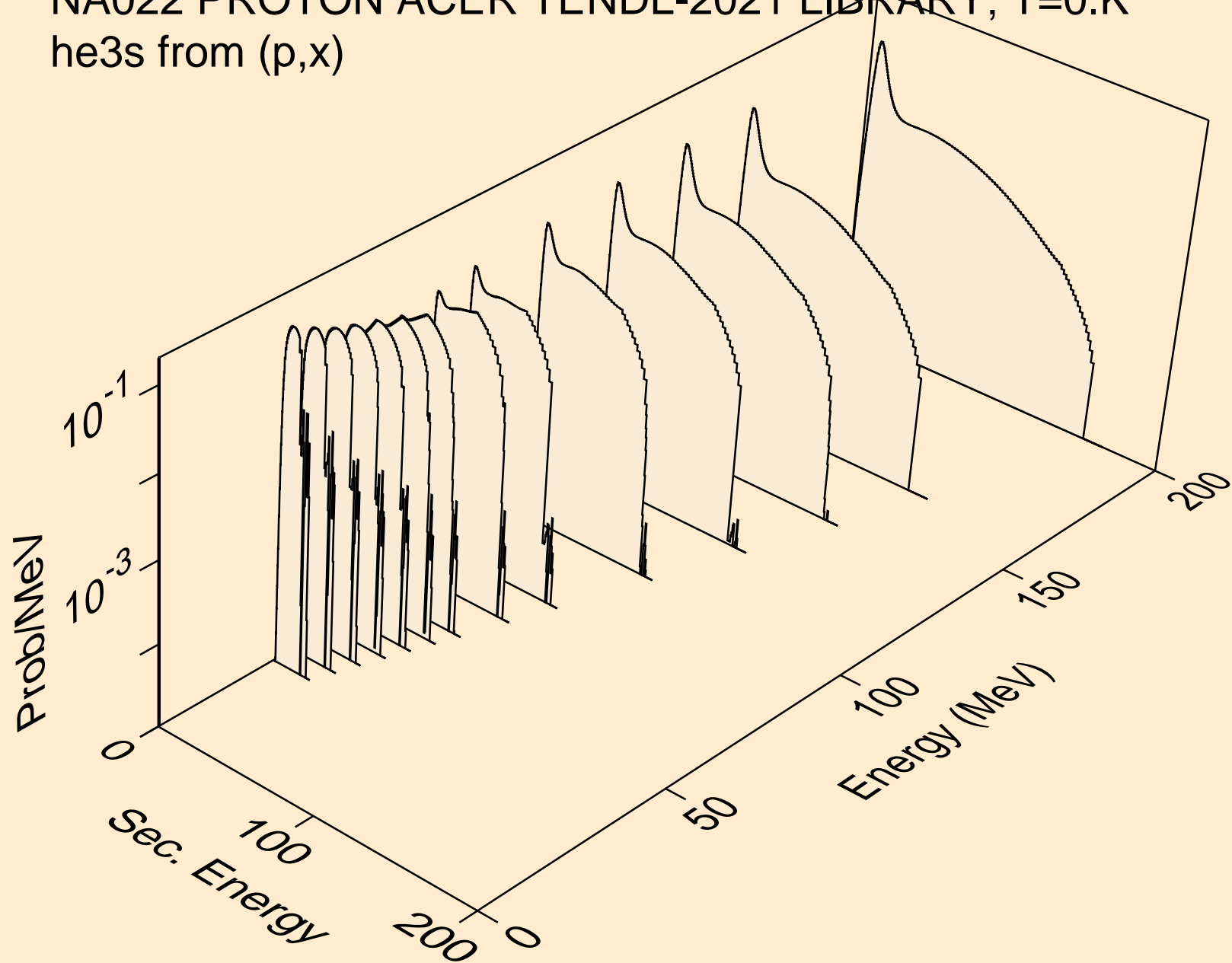
NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,t)



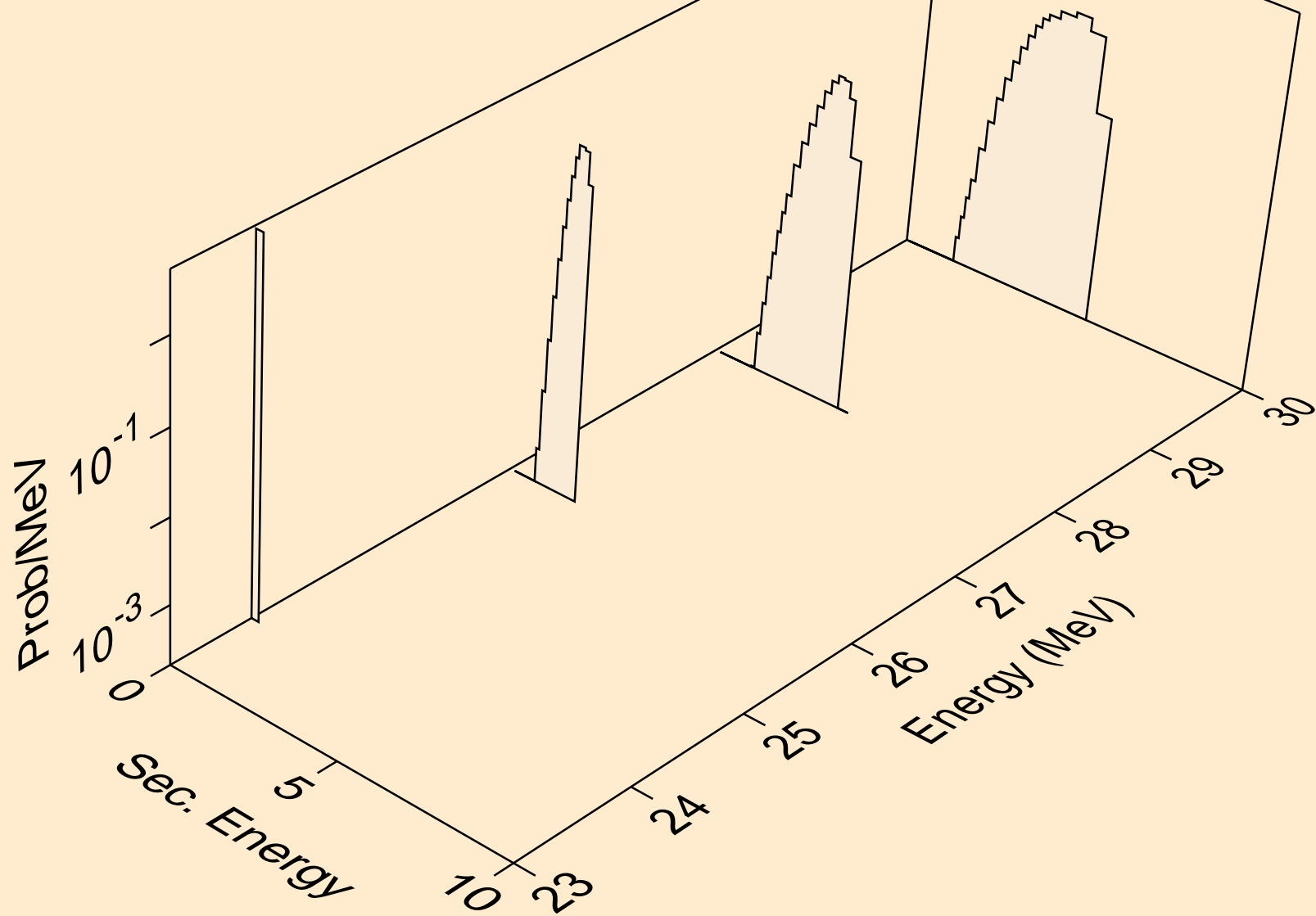
NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,pt)



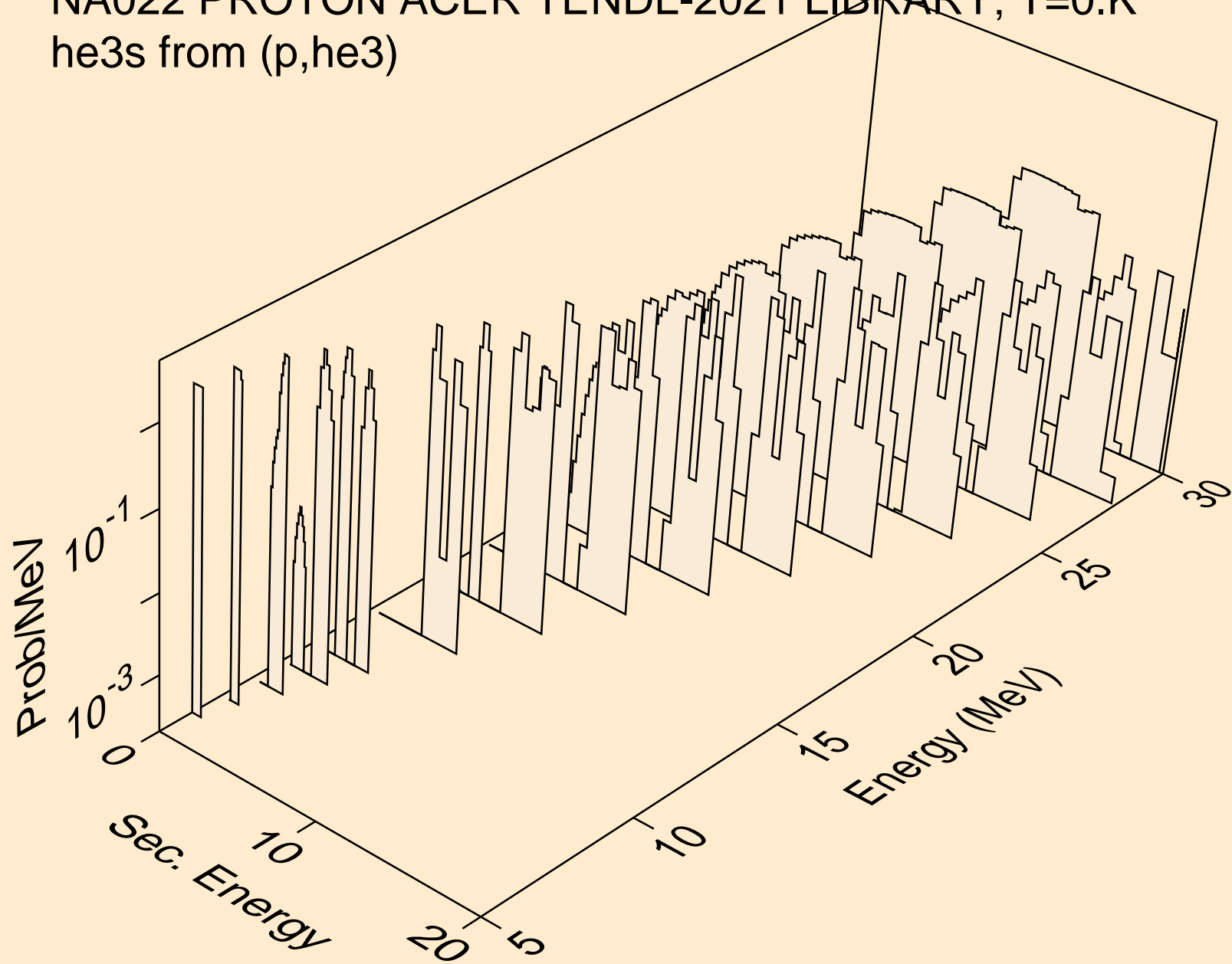
NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,x)



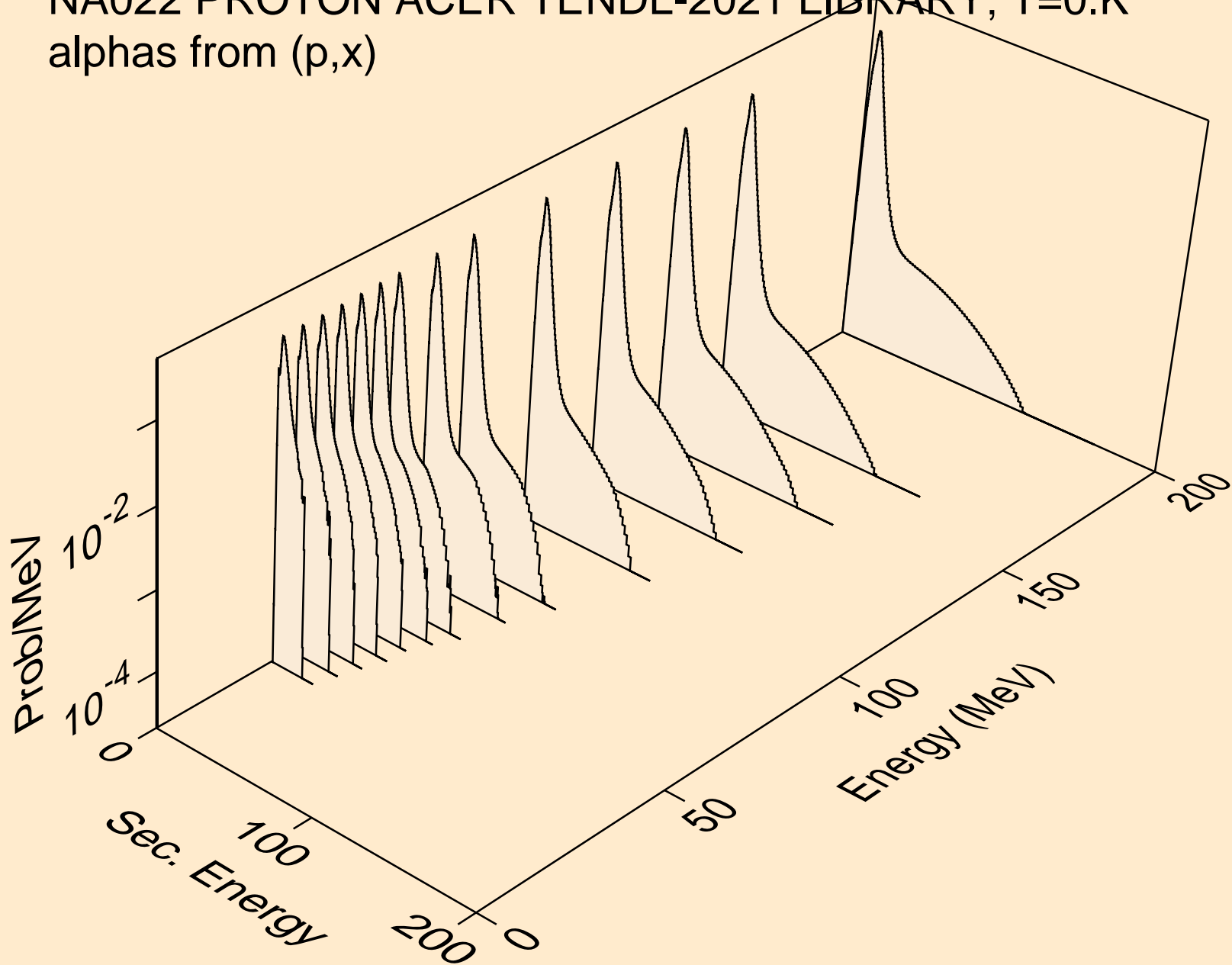
NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,n\*)he3



NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,he3)

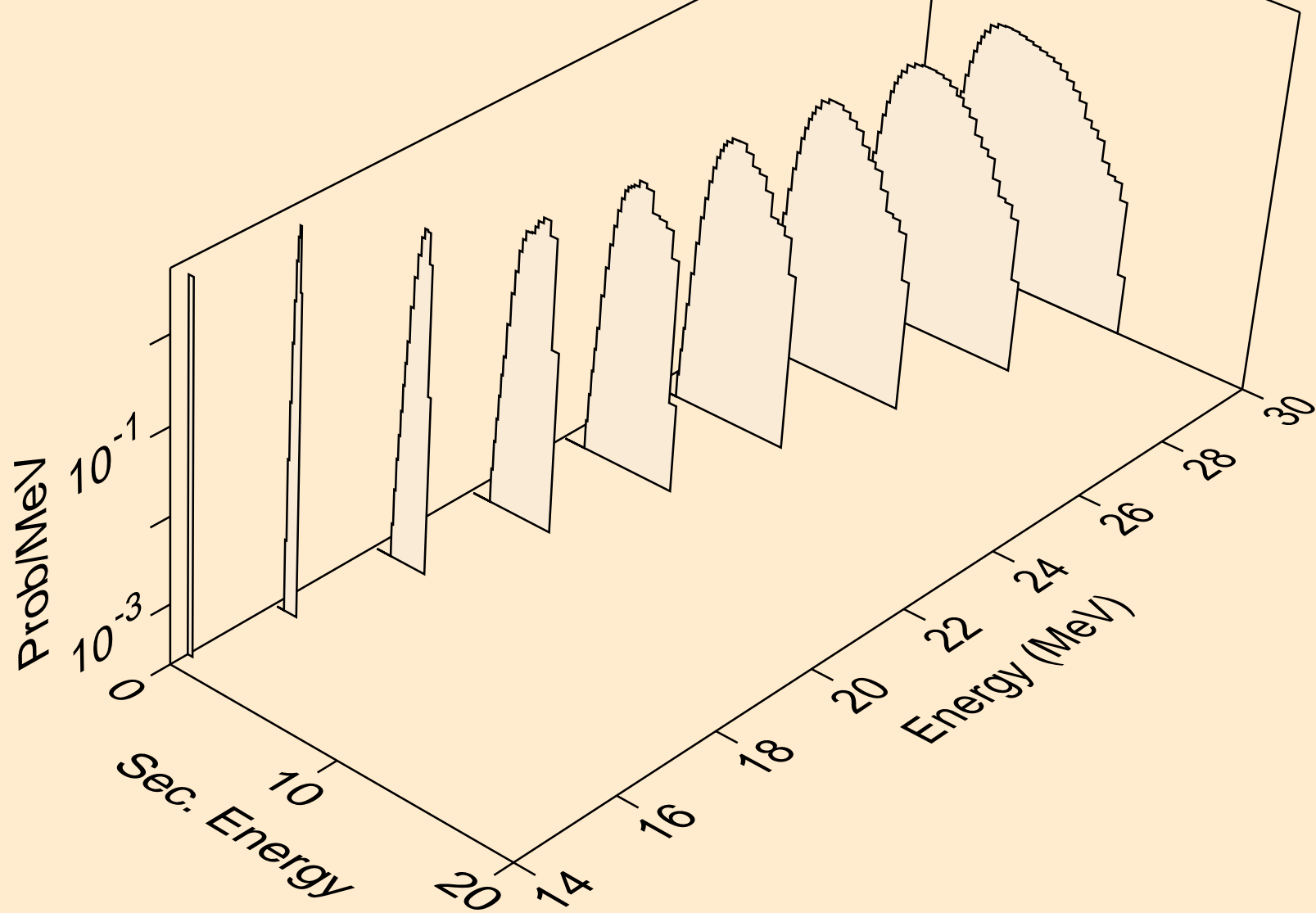


NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,x)

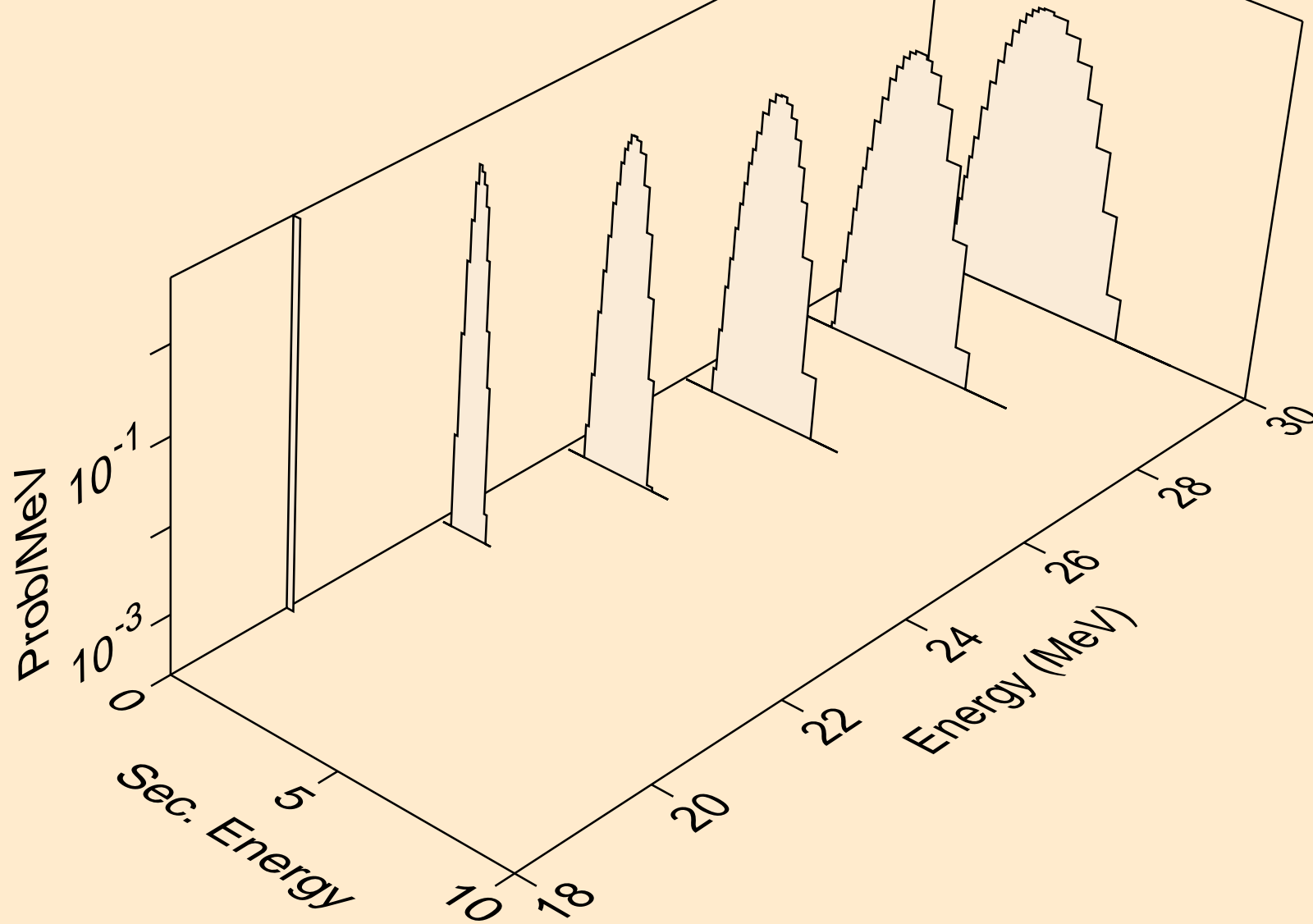




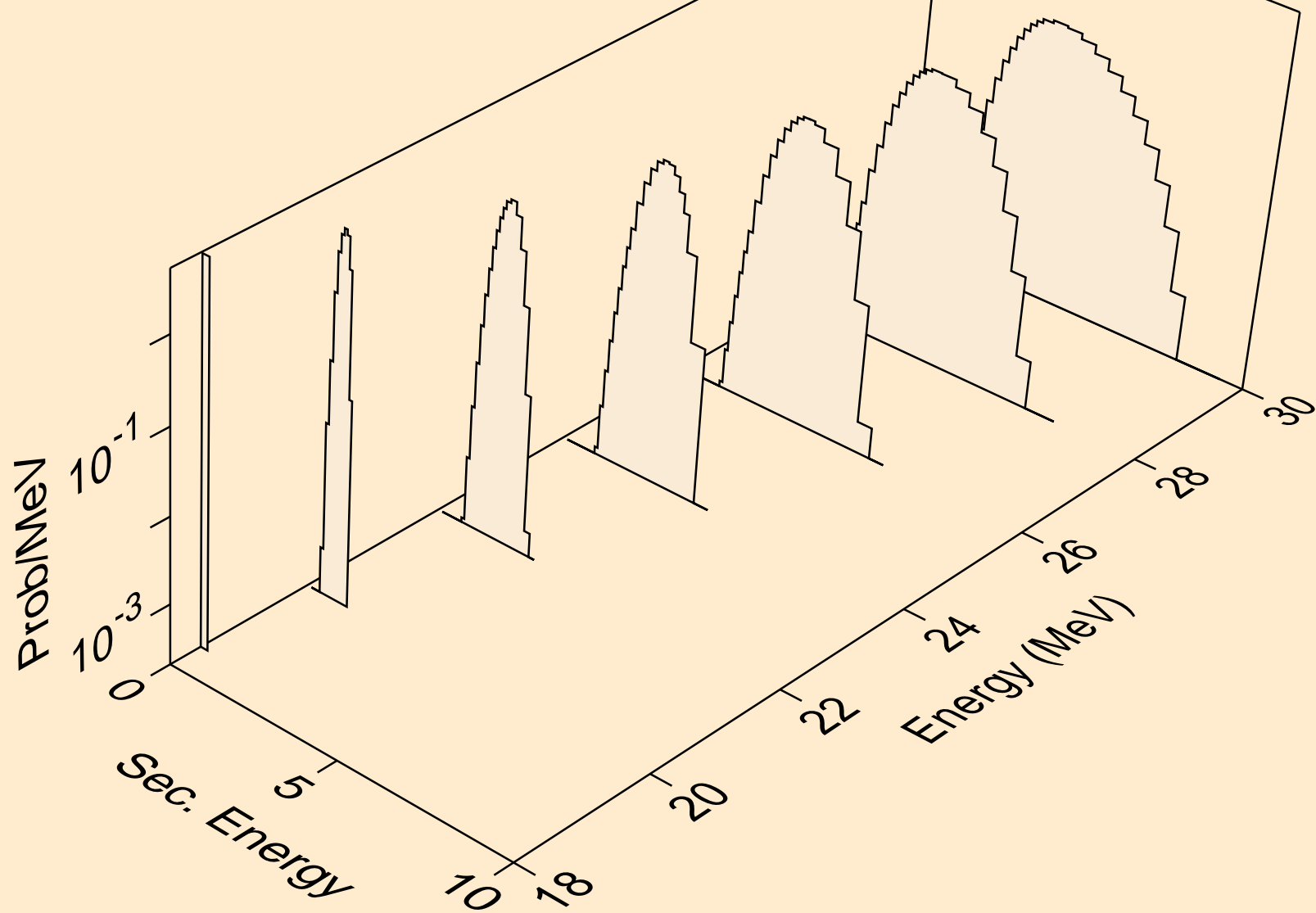
NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)a



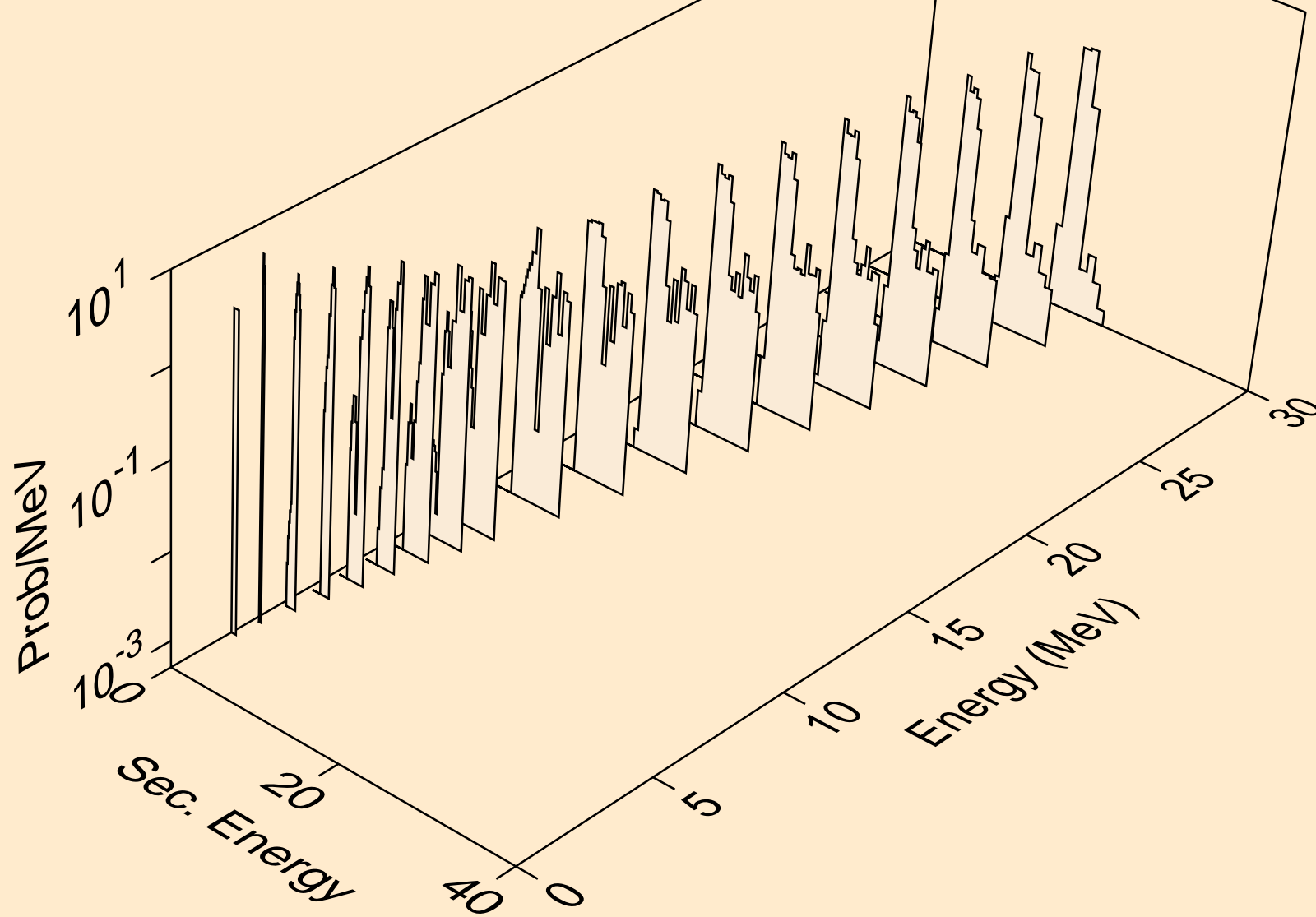
NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)2a



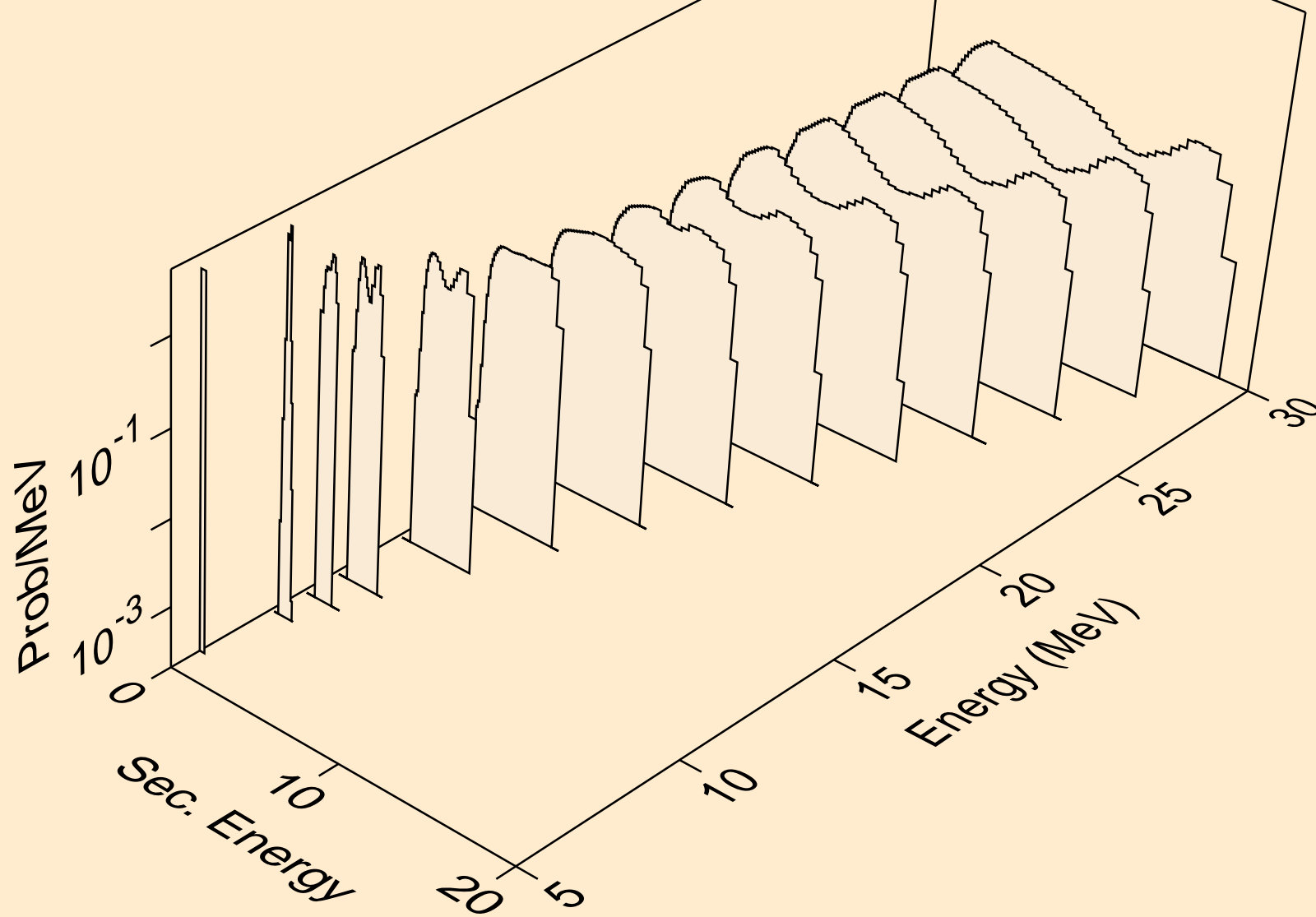
NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,npa)



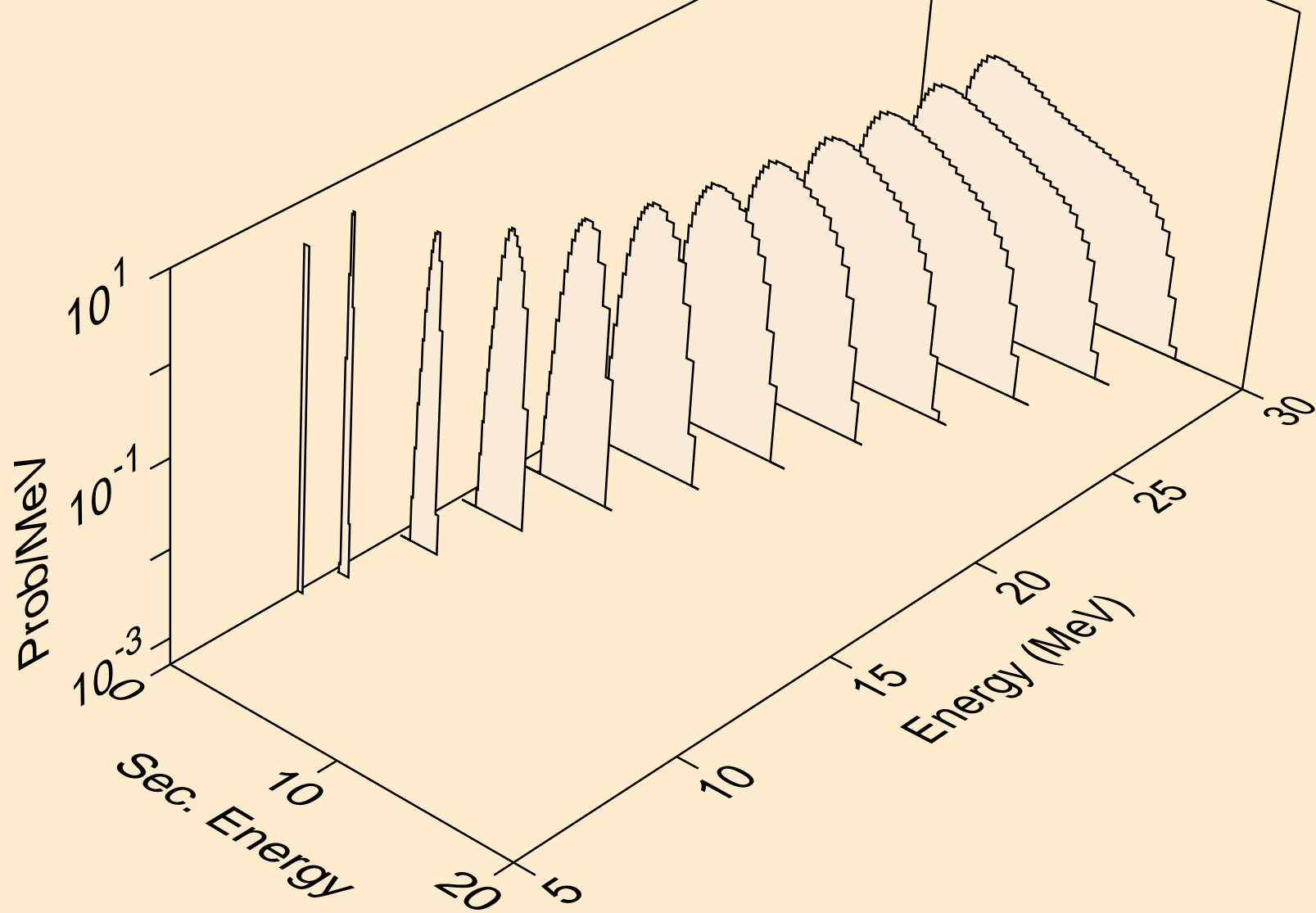
NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,a)



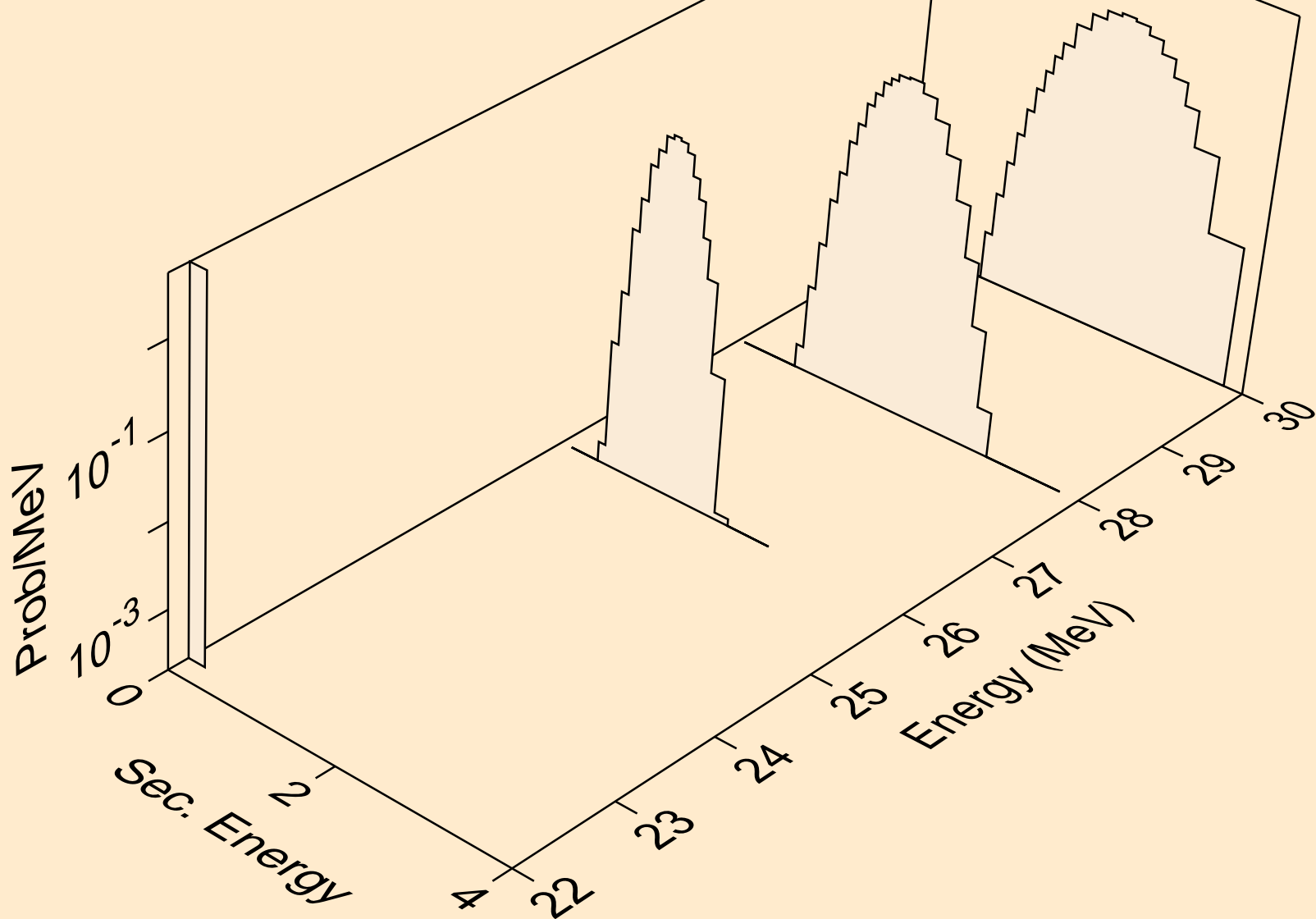
NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2a)



NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,pa)



NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,d2a)



NA022 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,da)

