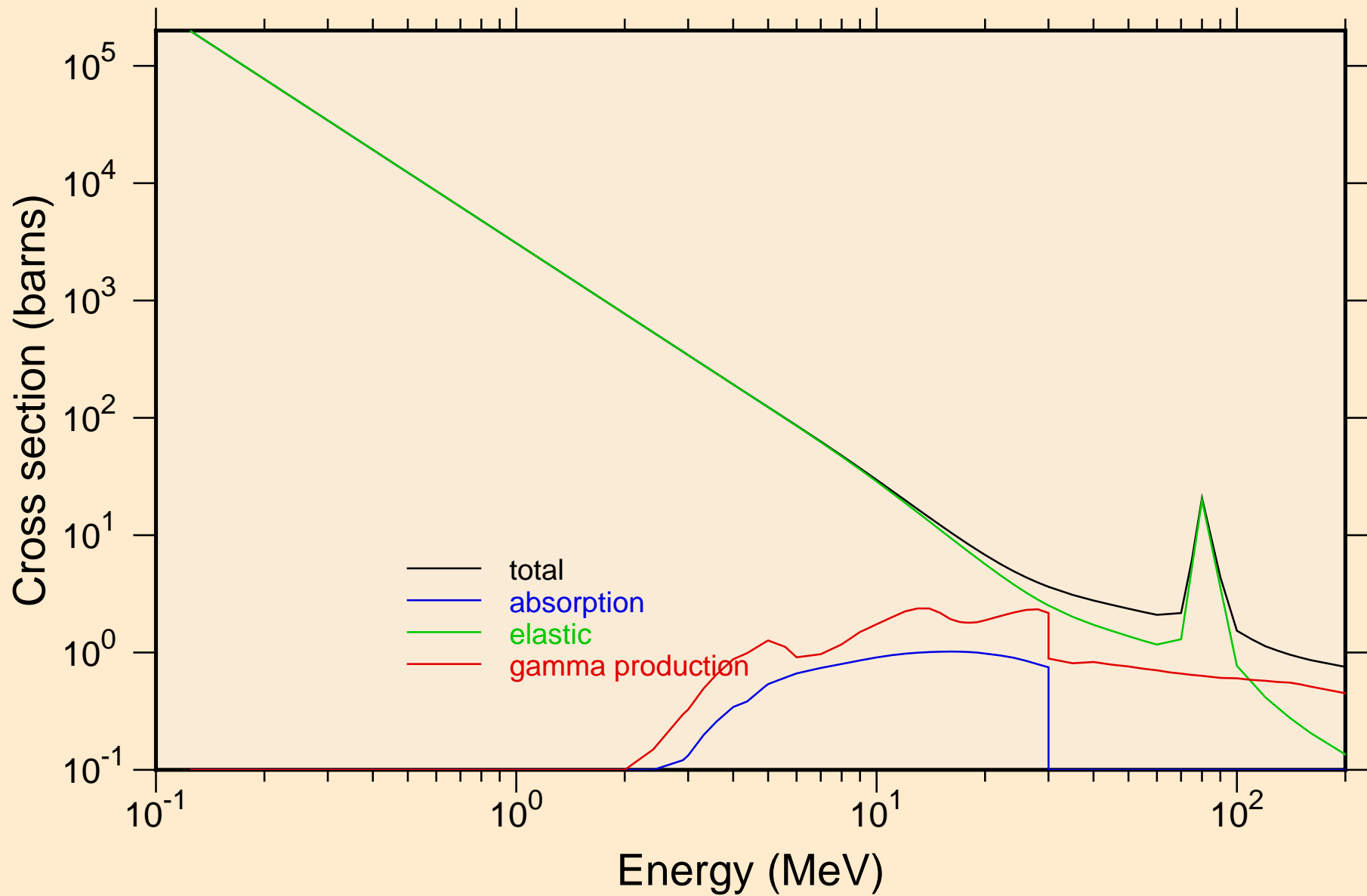


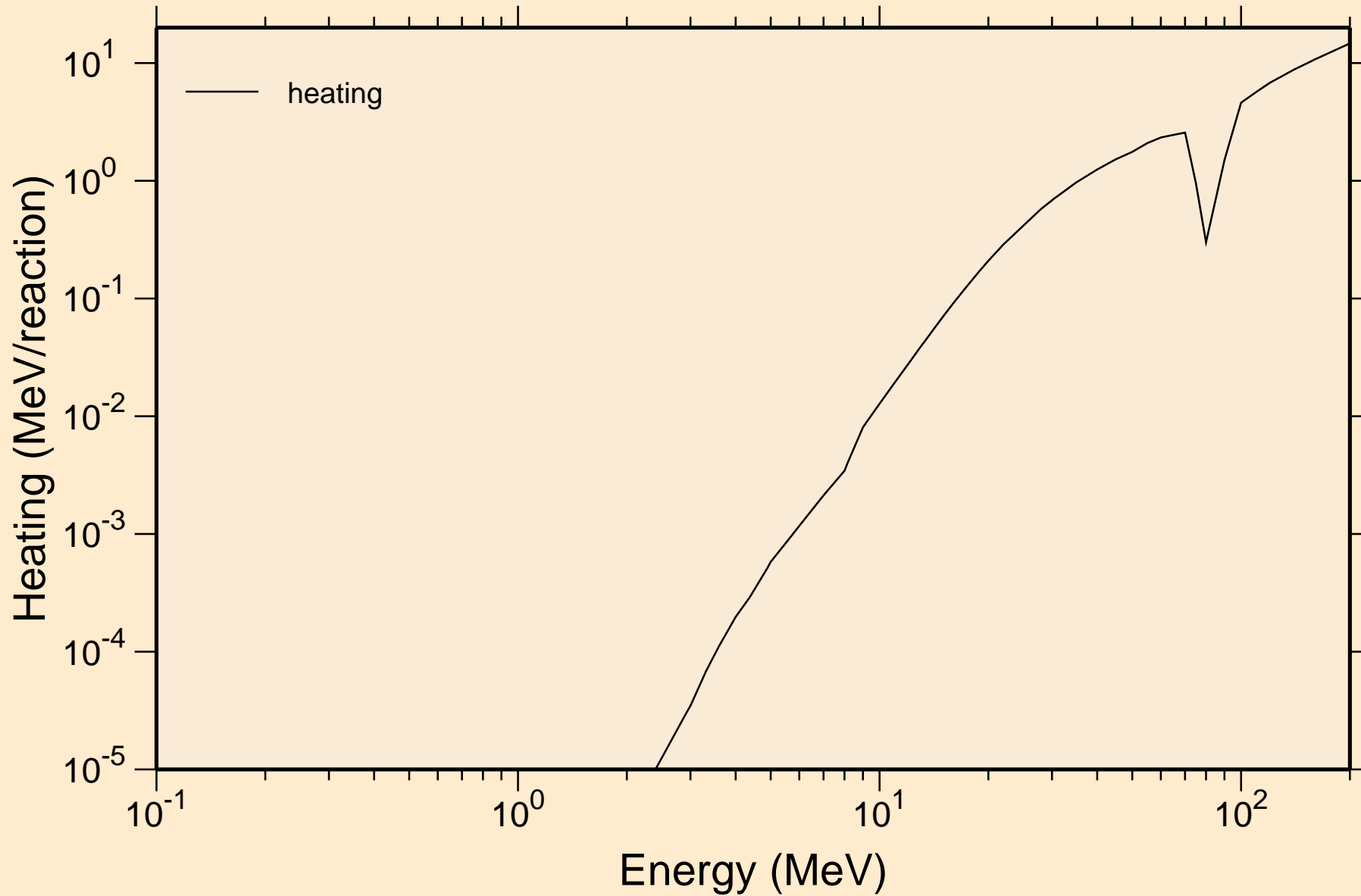
# TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



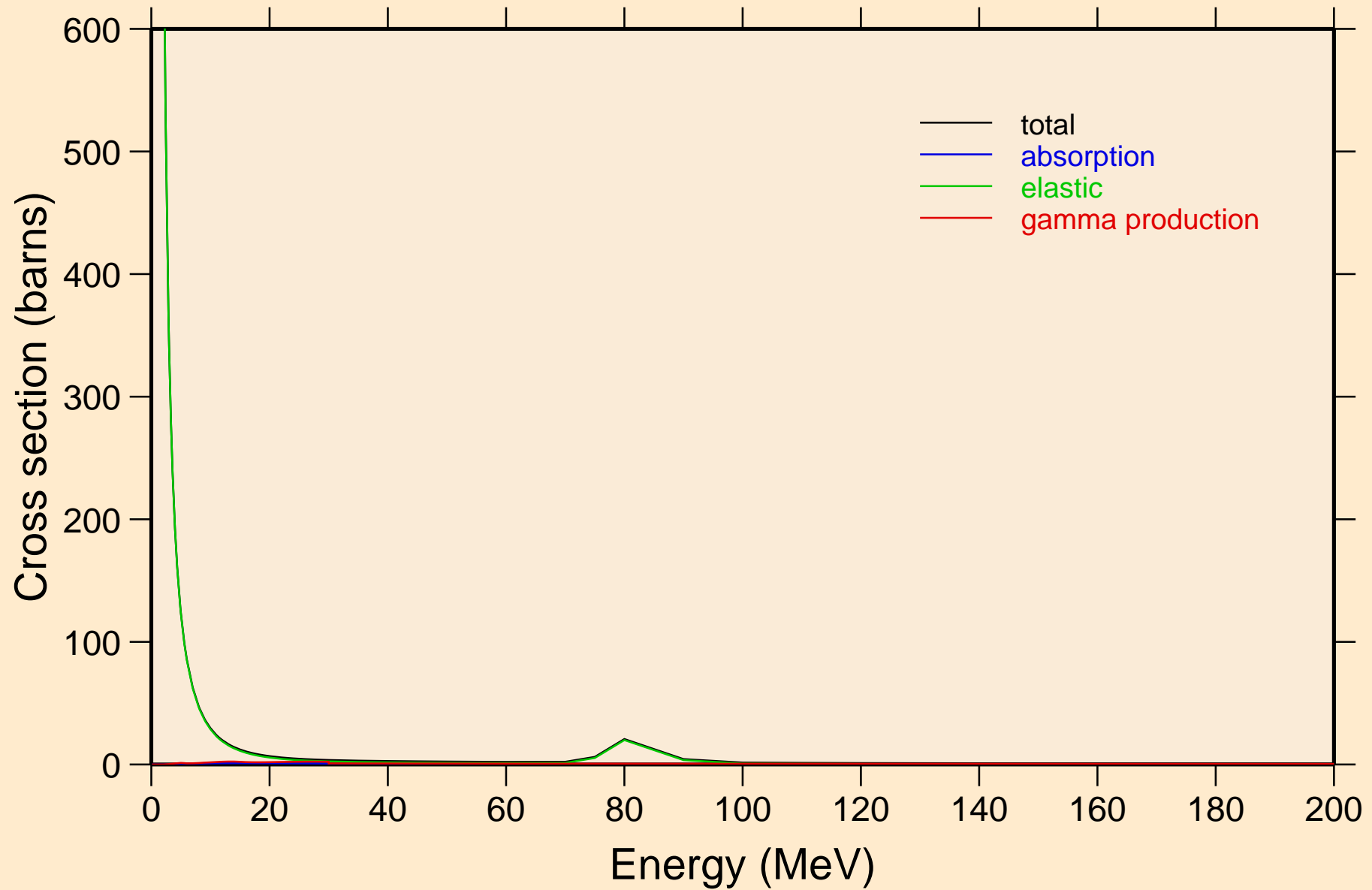
# TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



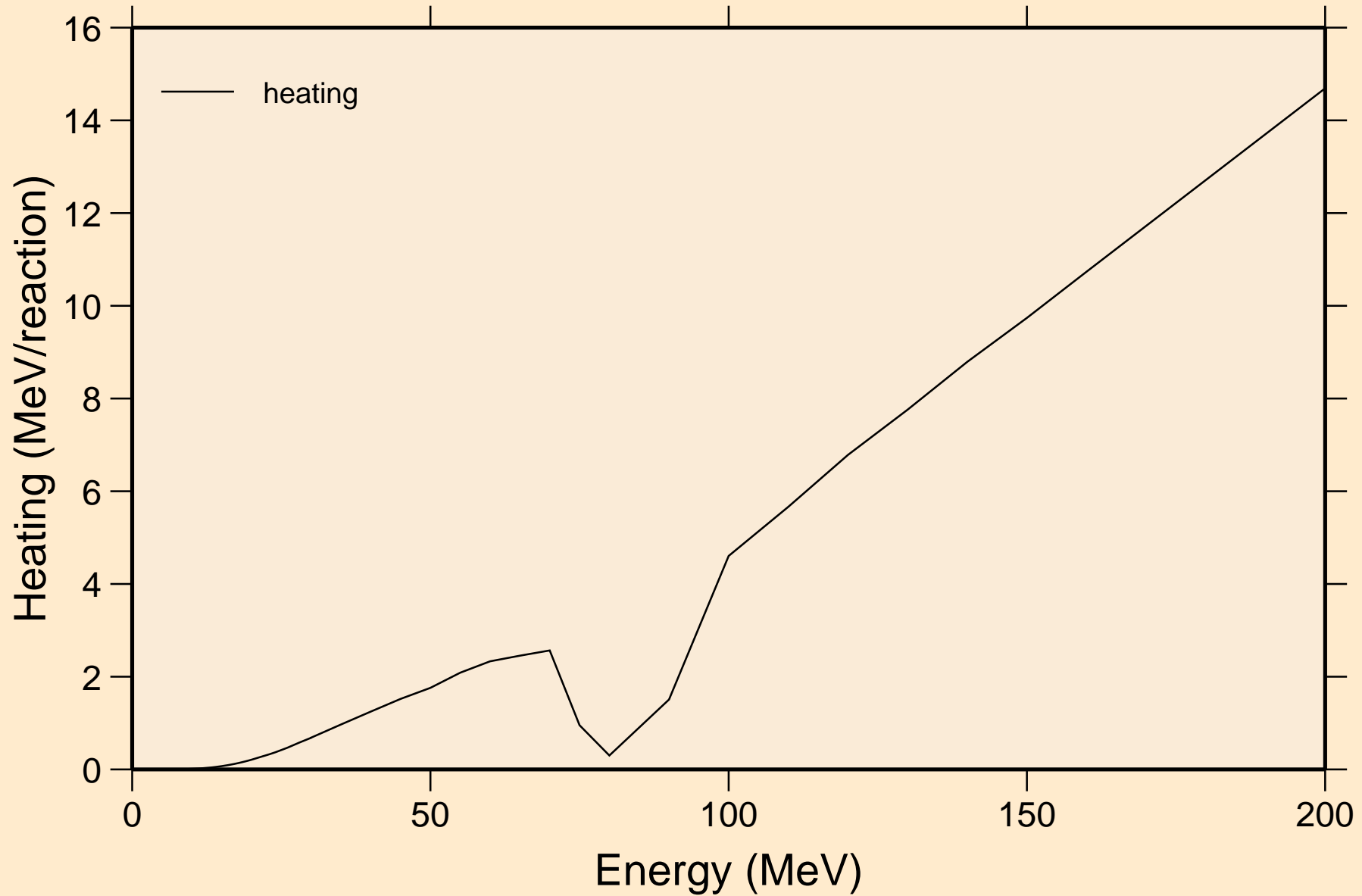
# TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

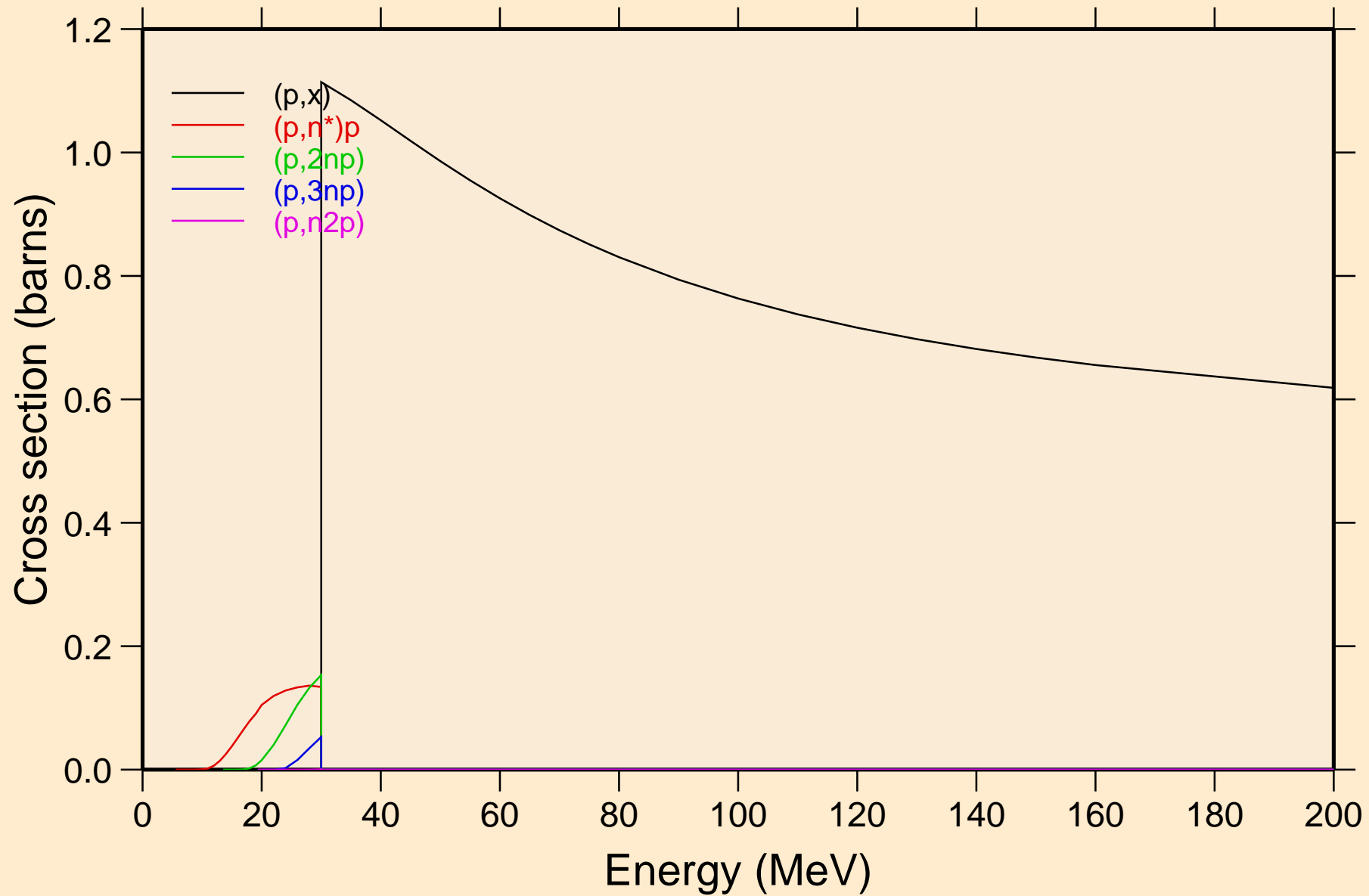


# TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K

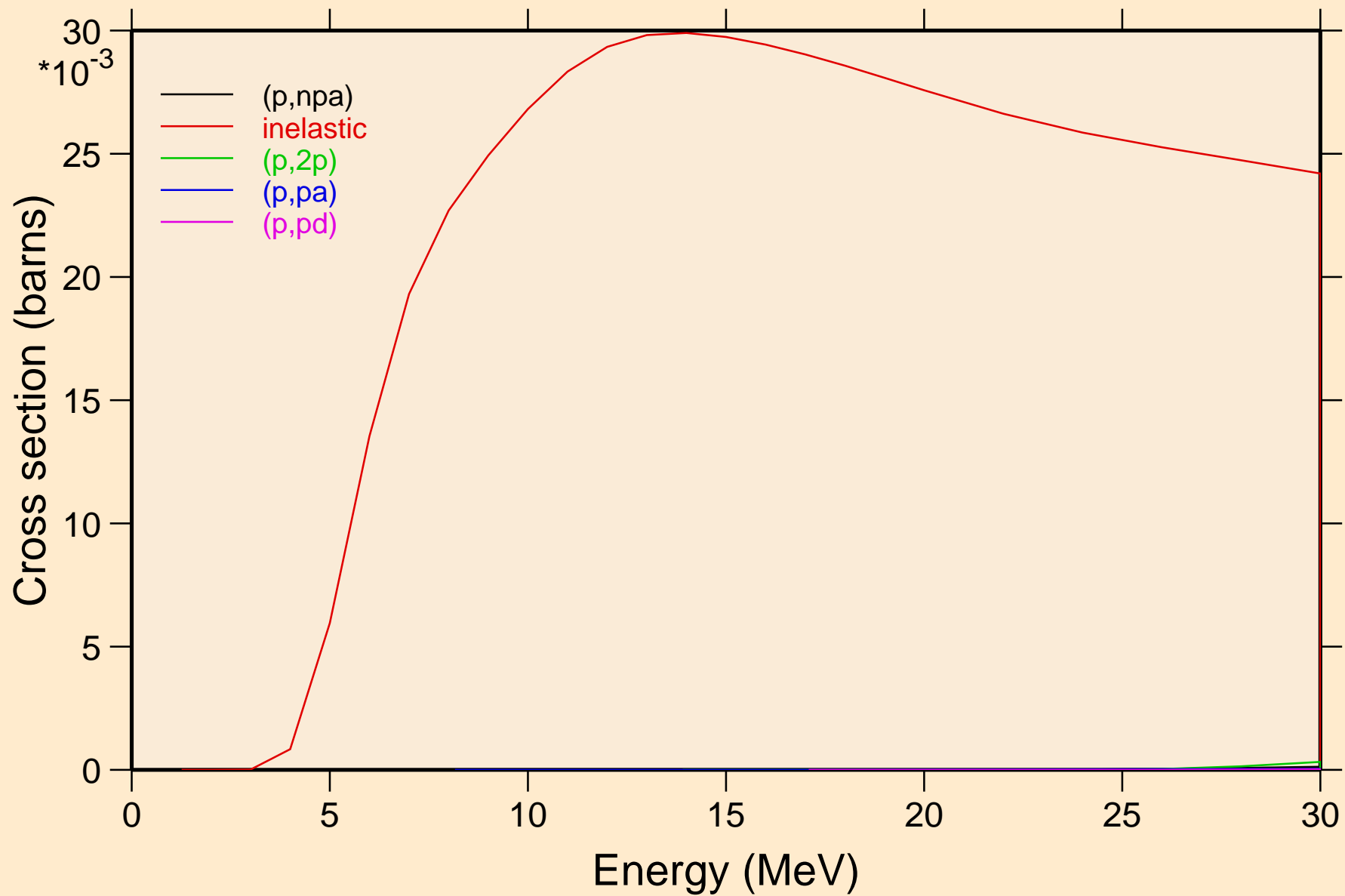
## Heating



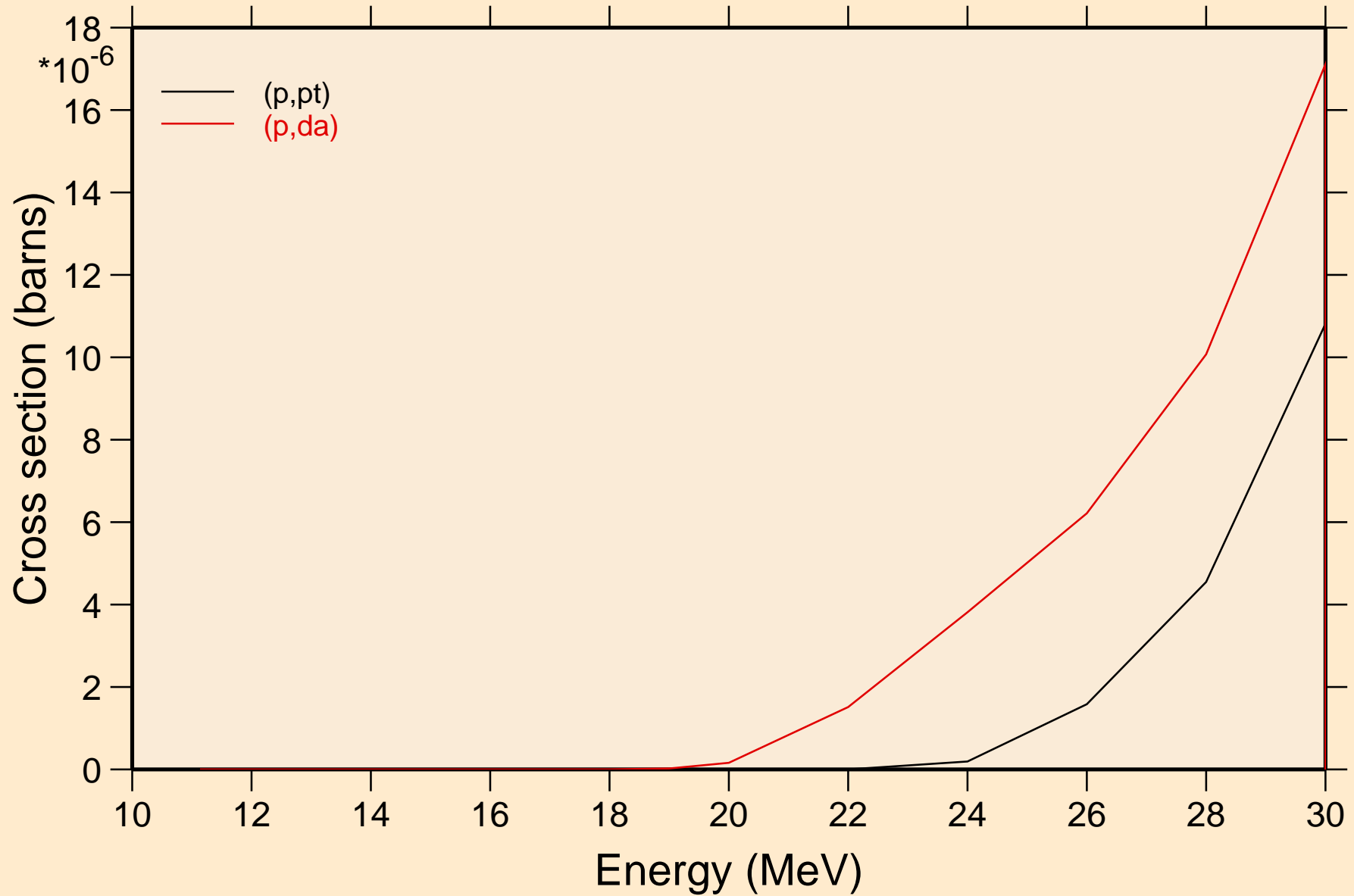
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



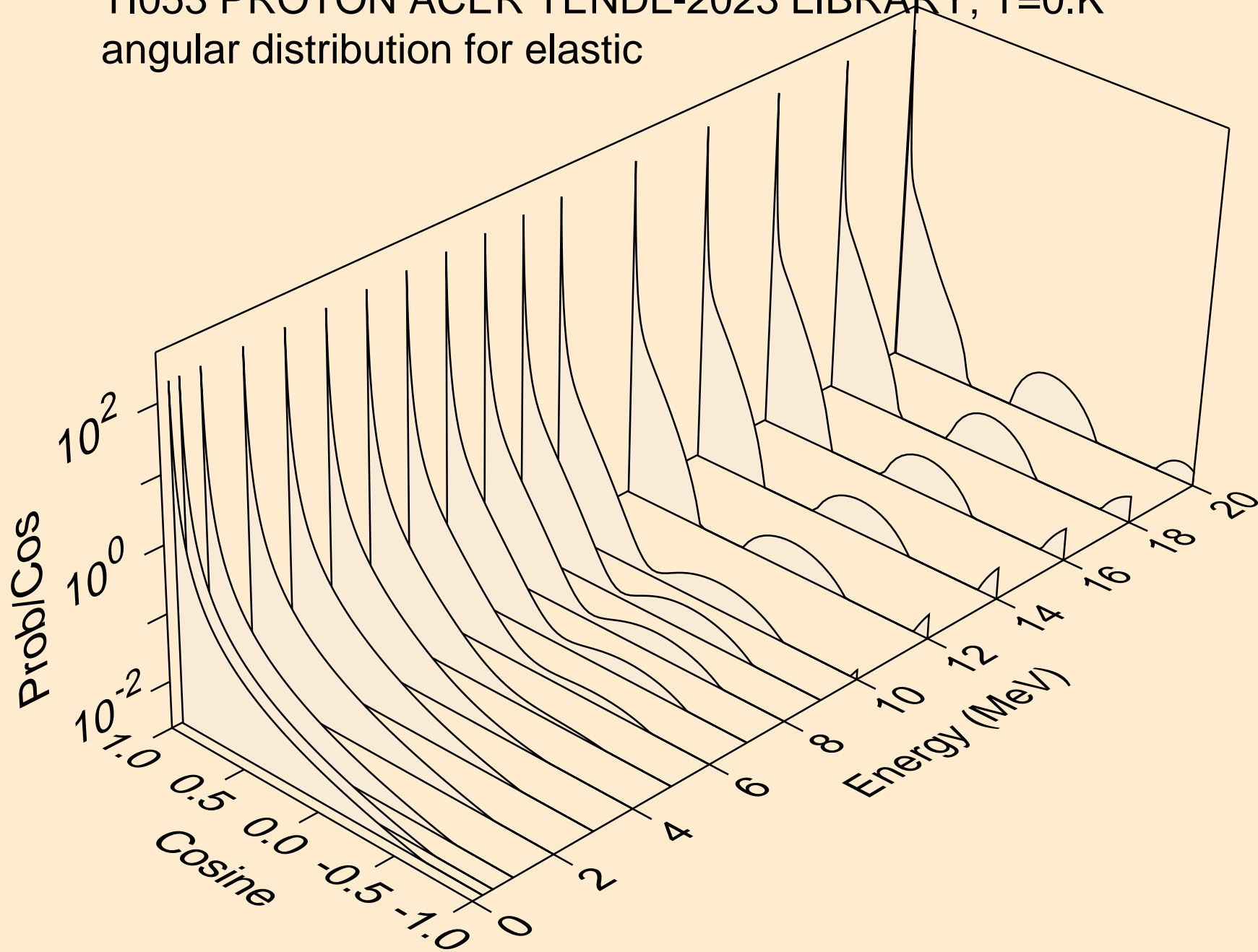
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

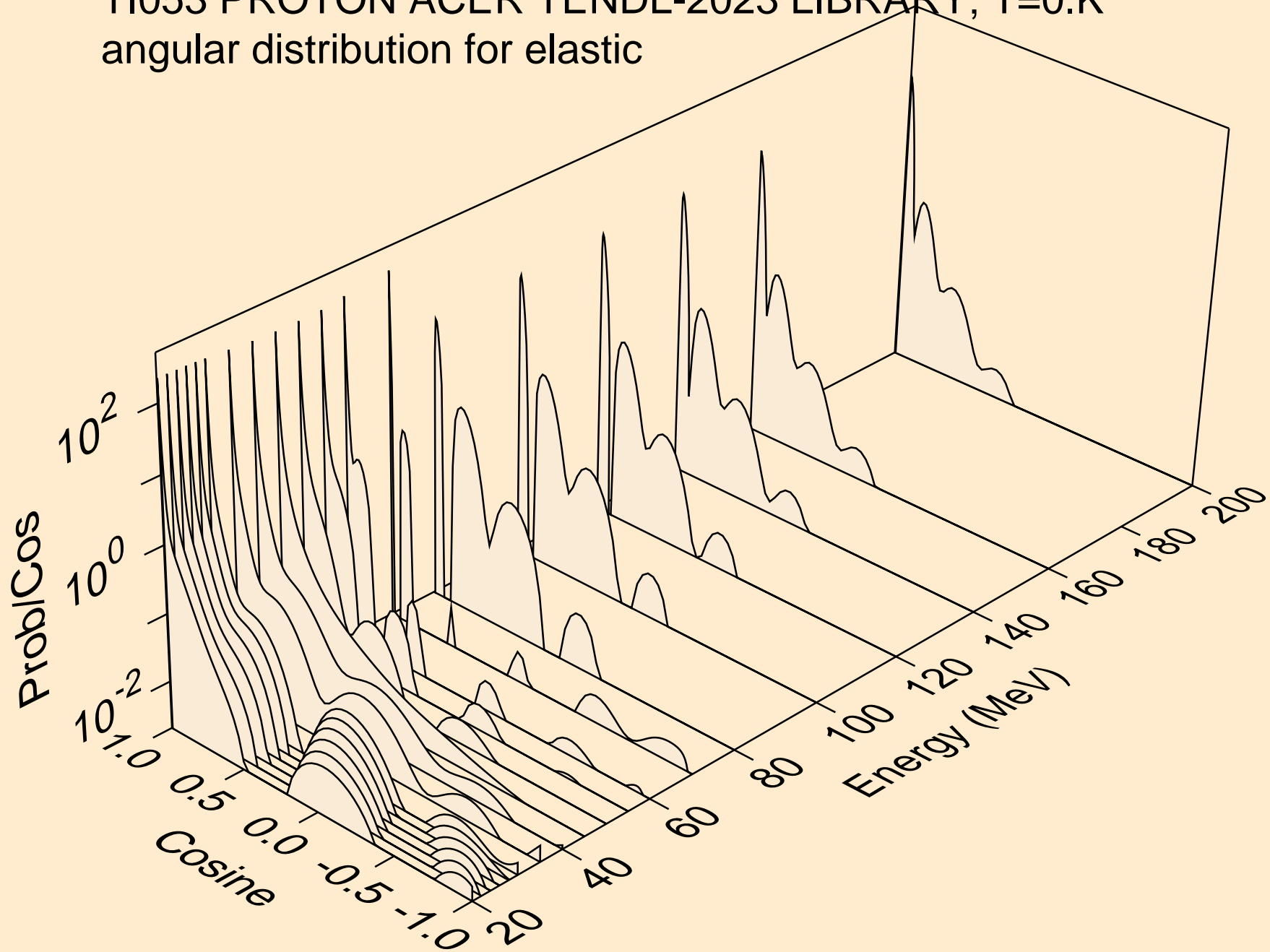


TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

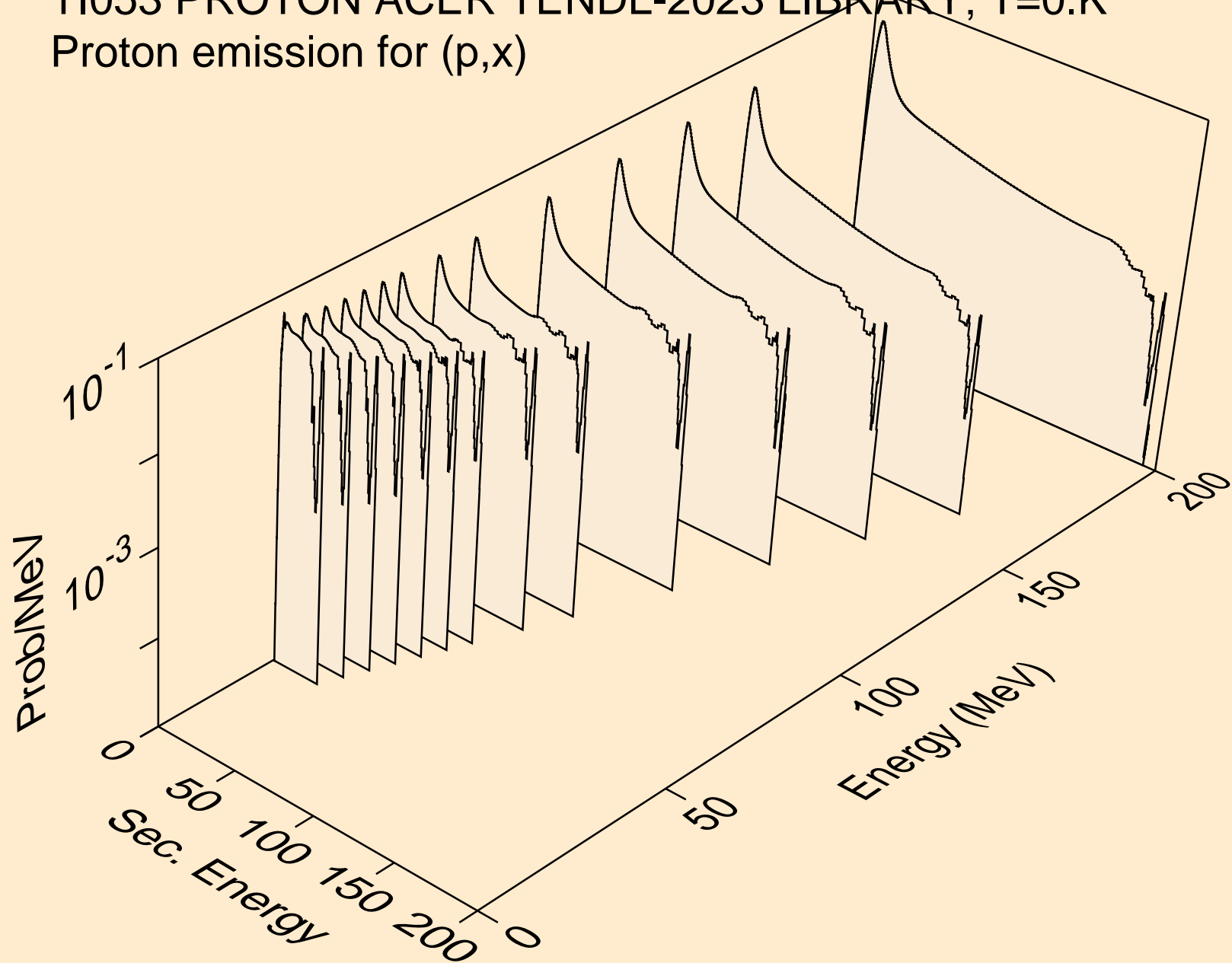




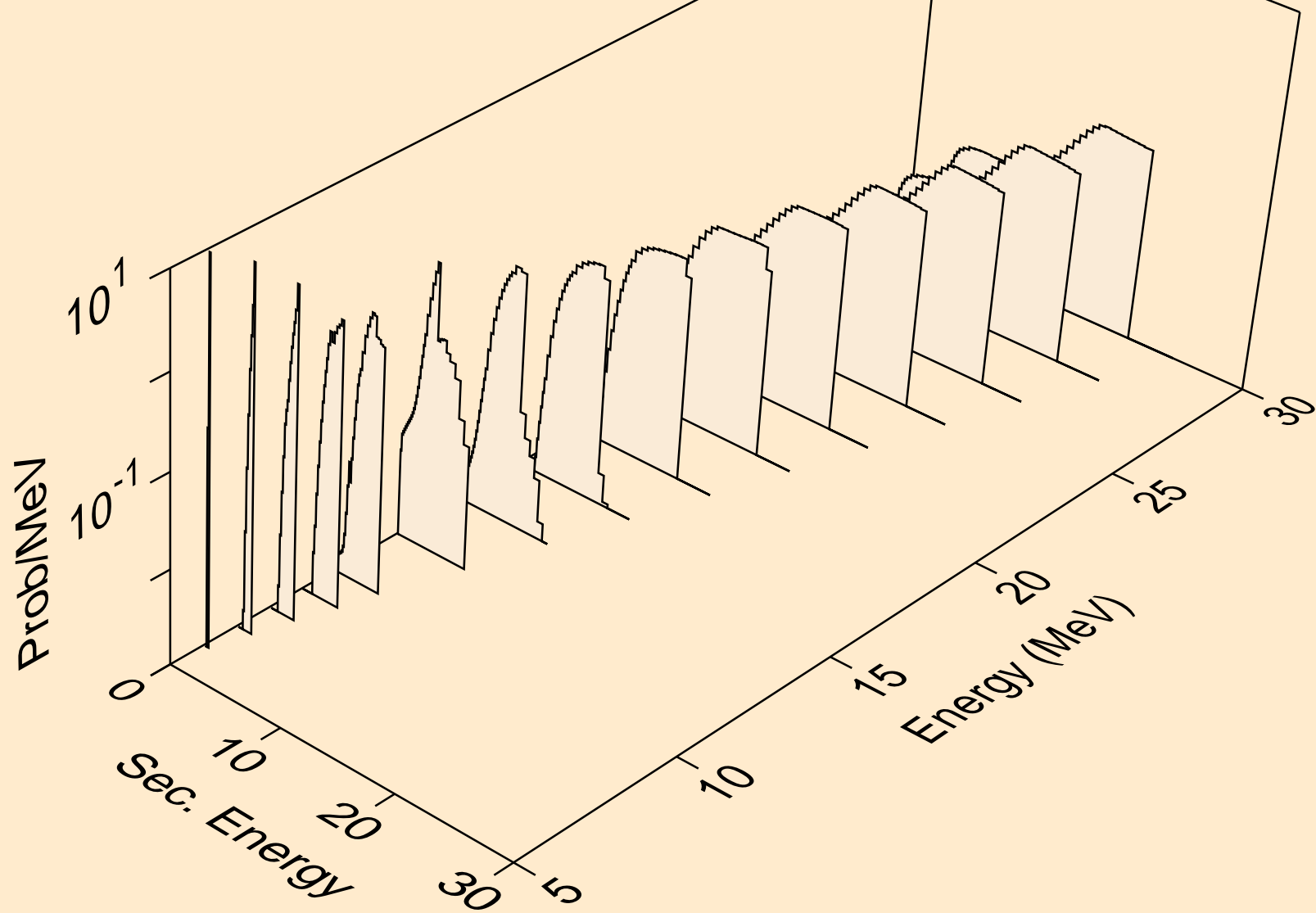
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



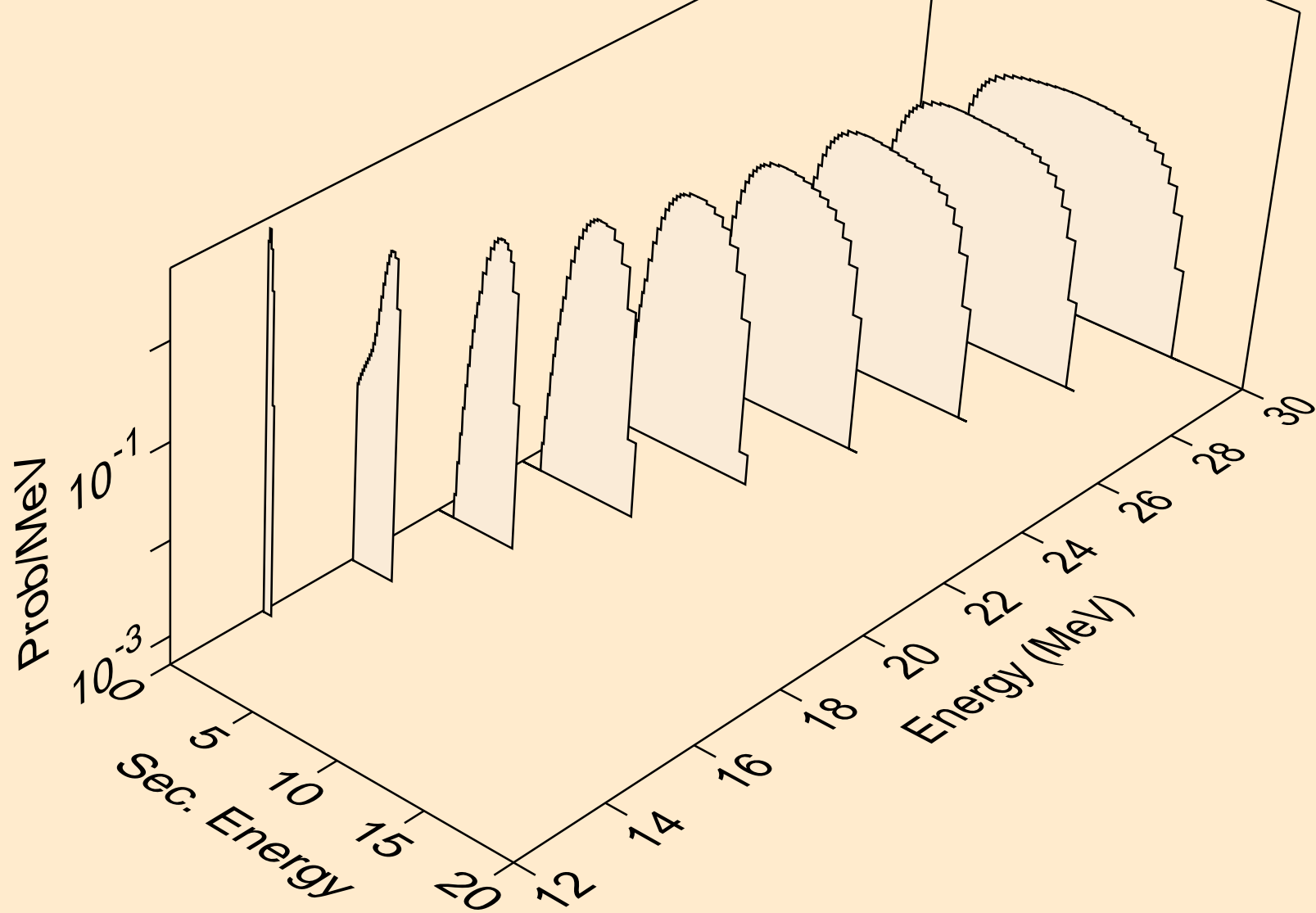
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)



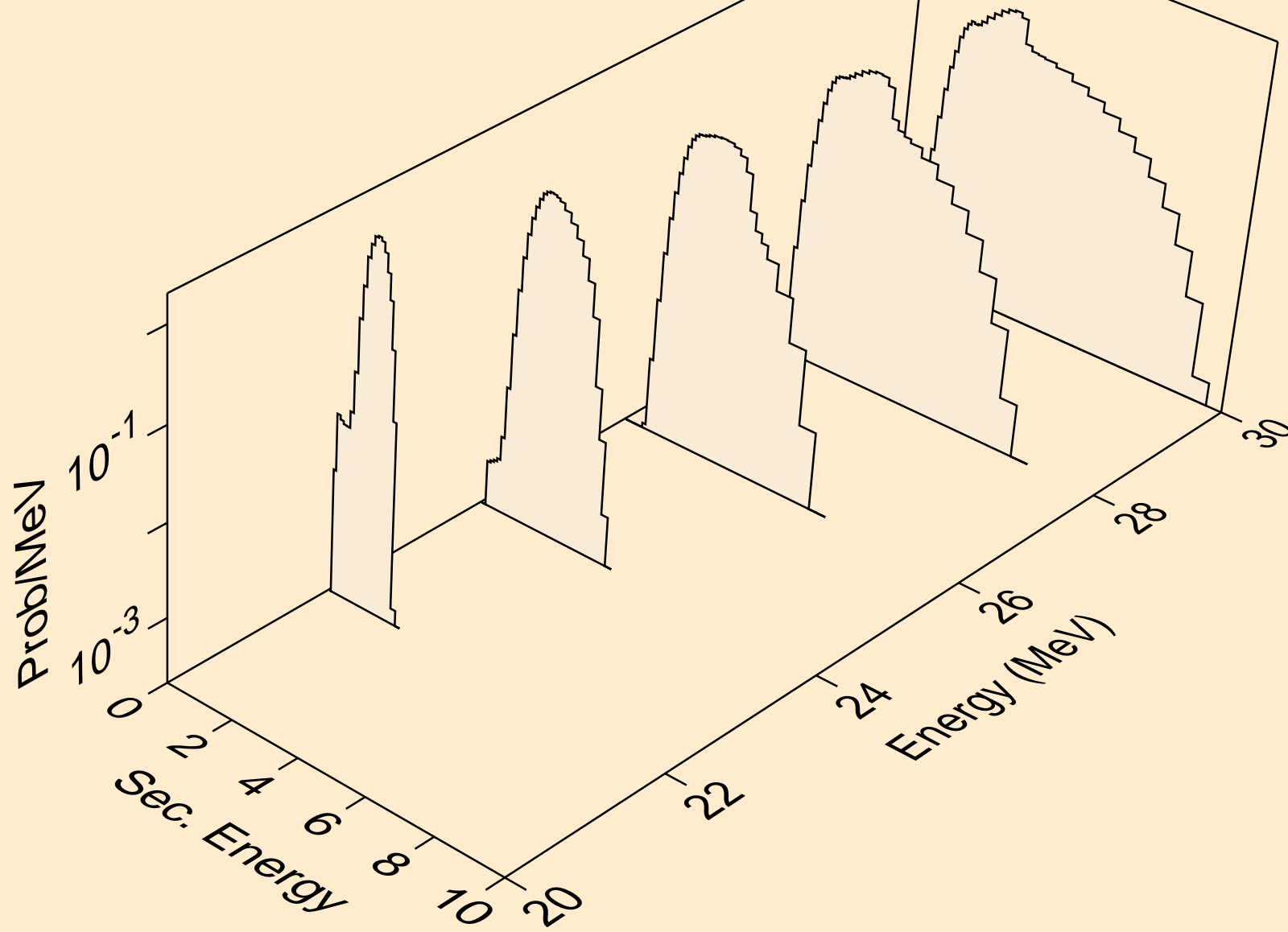
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



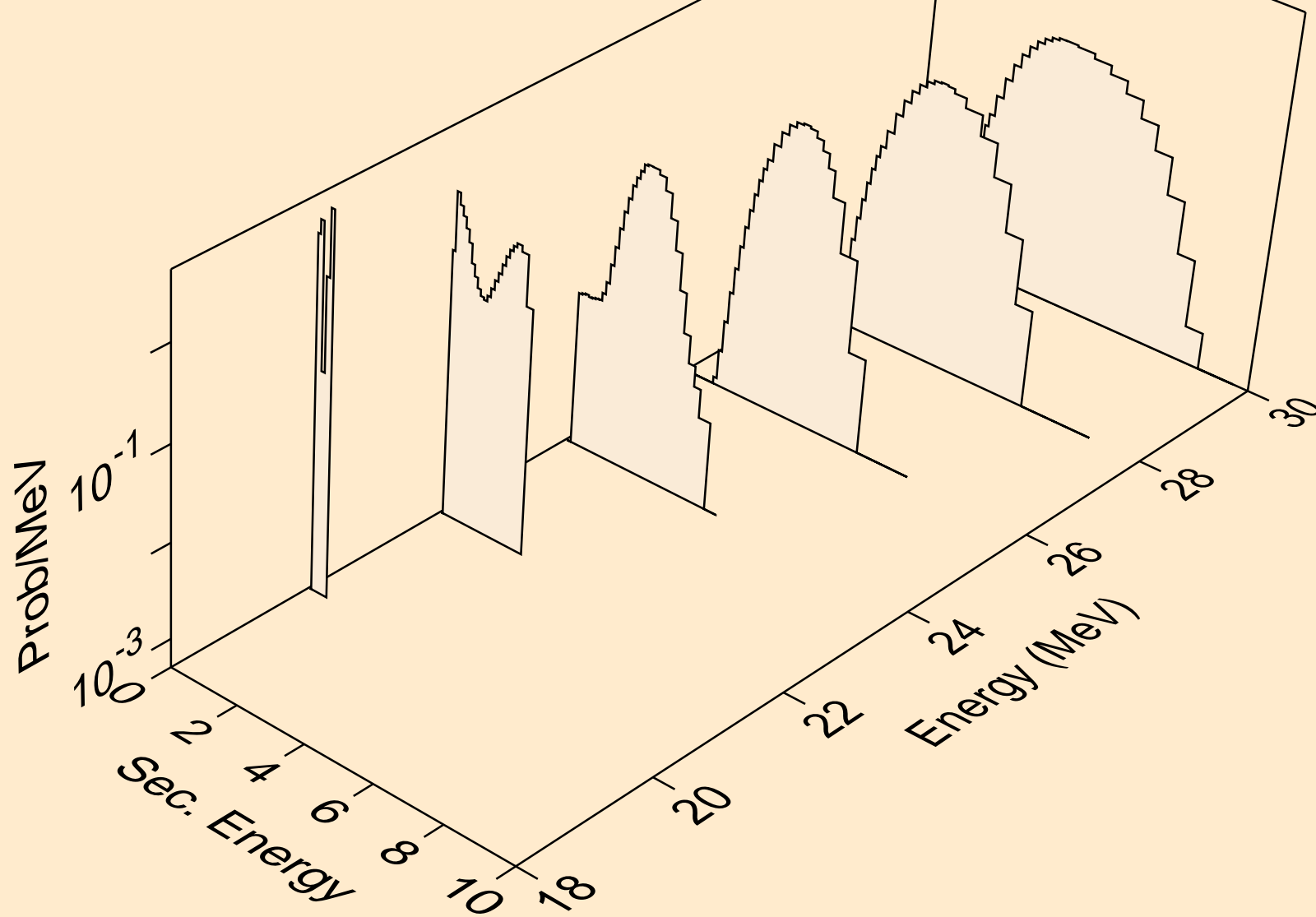
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



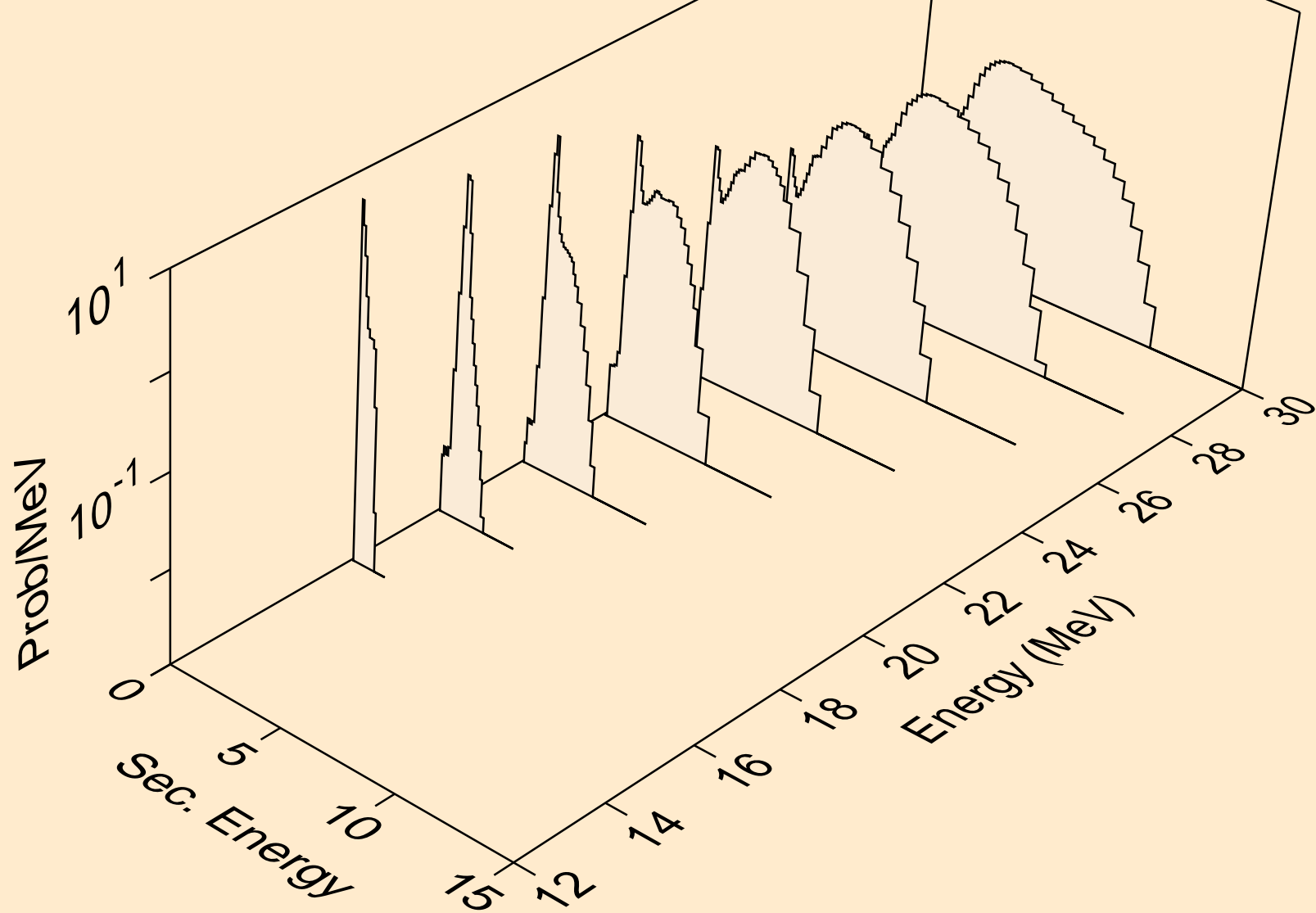
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,3np)



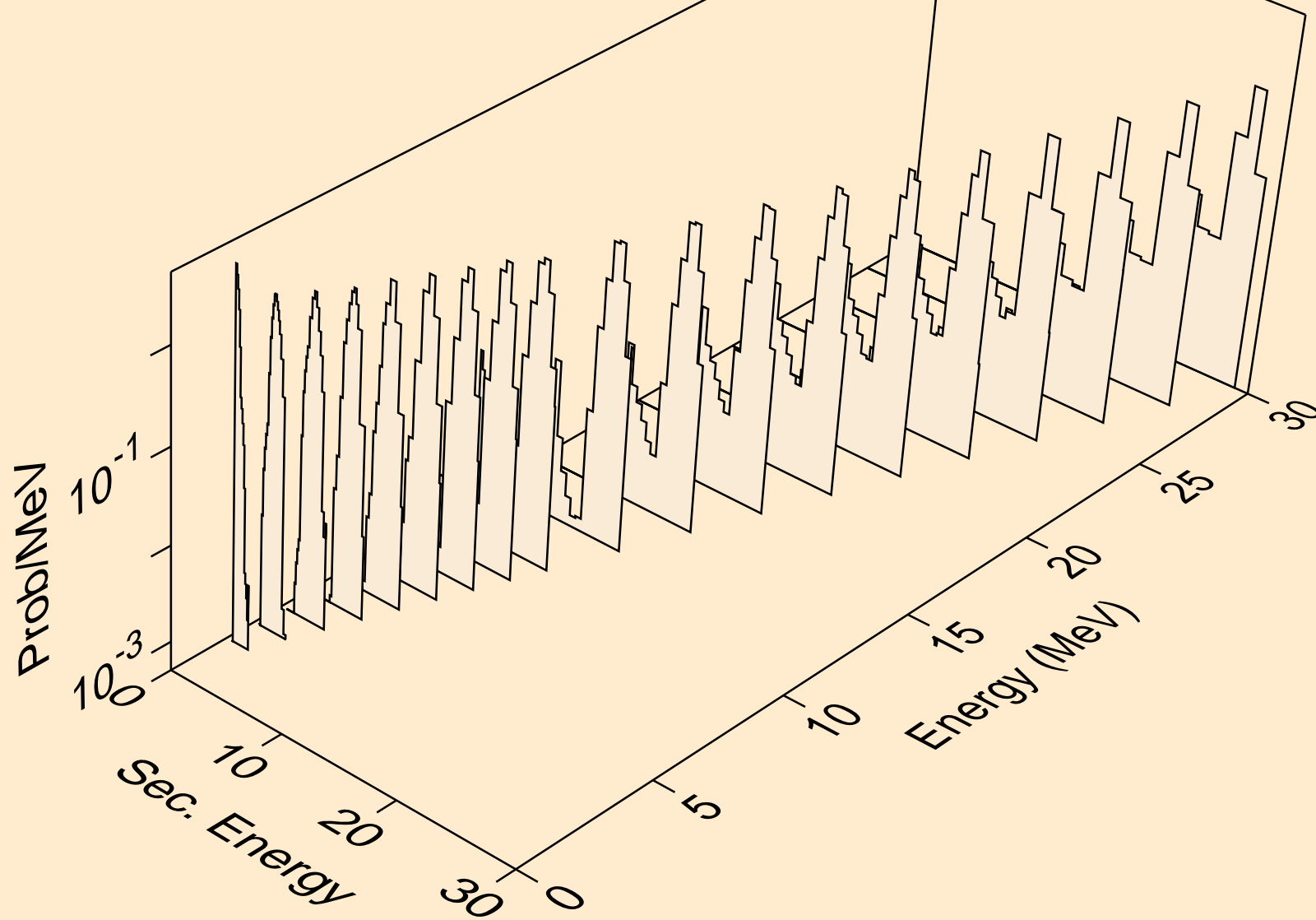
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n2p)



TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,npa)

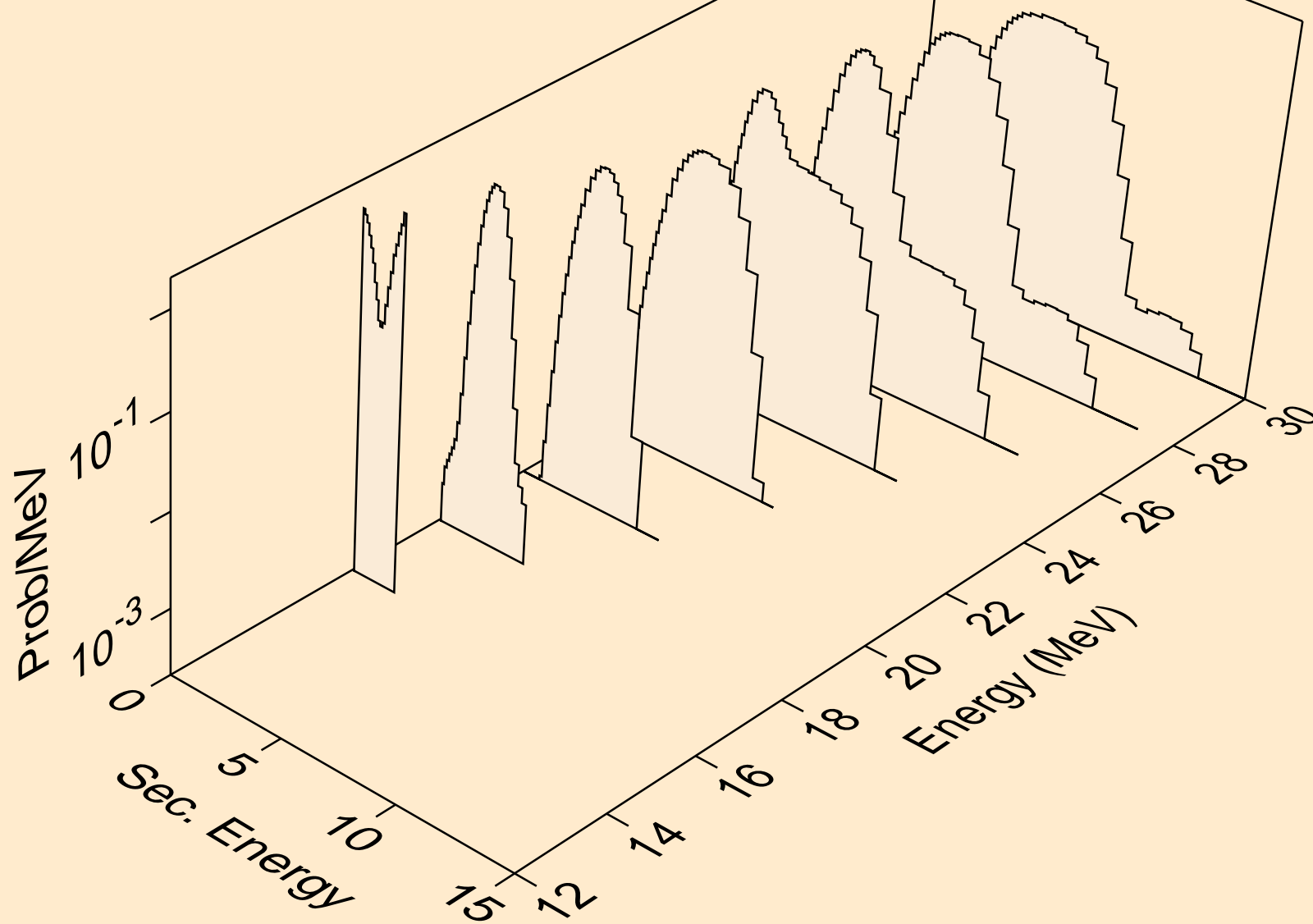


TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic

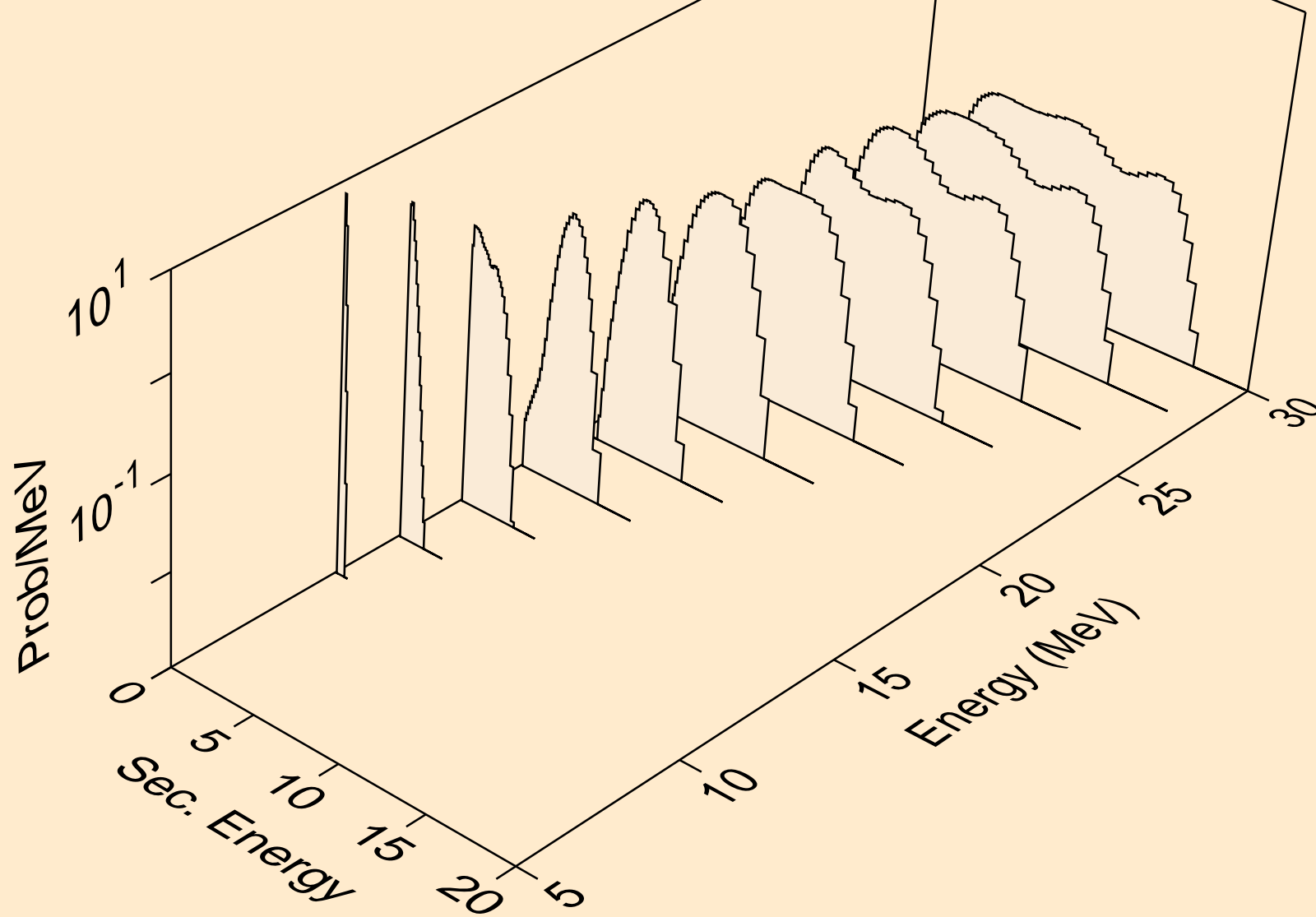




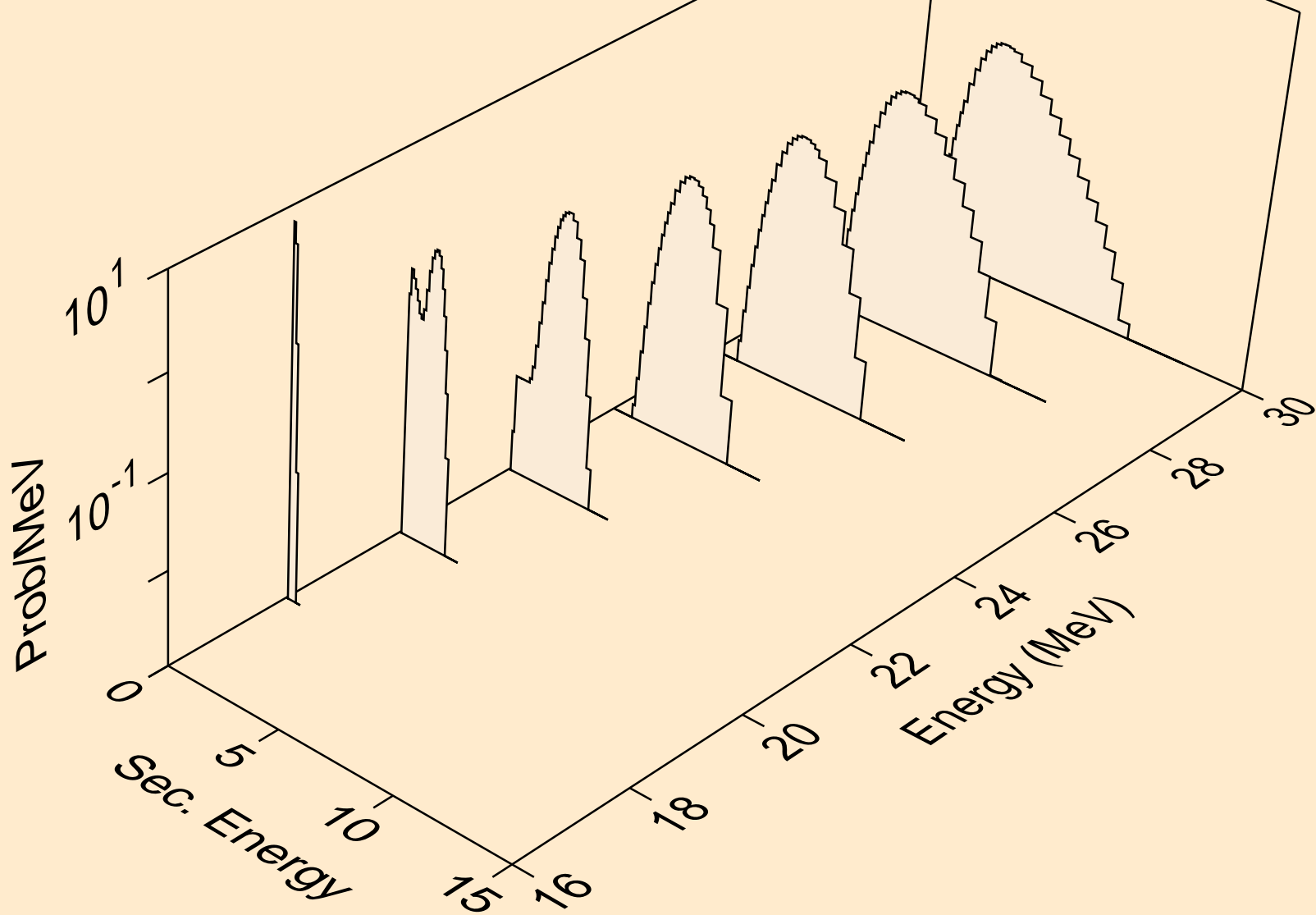
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2p)



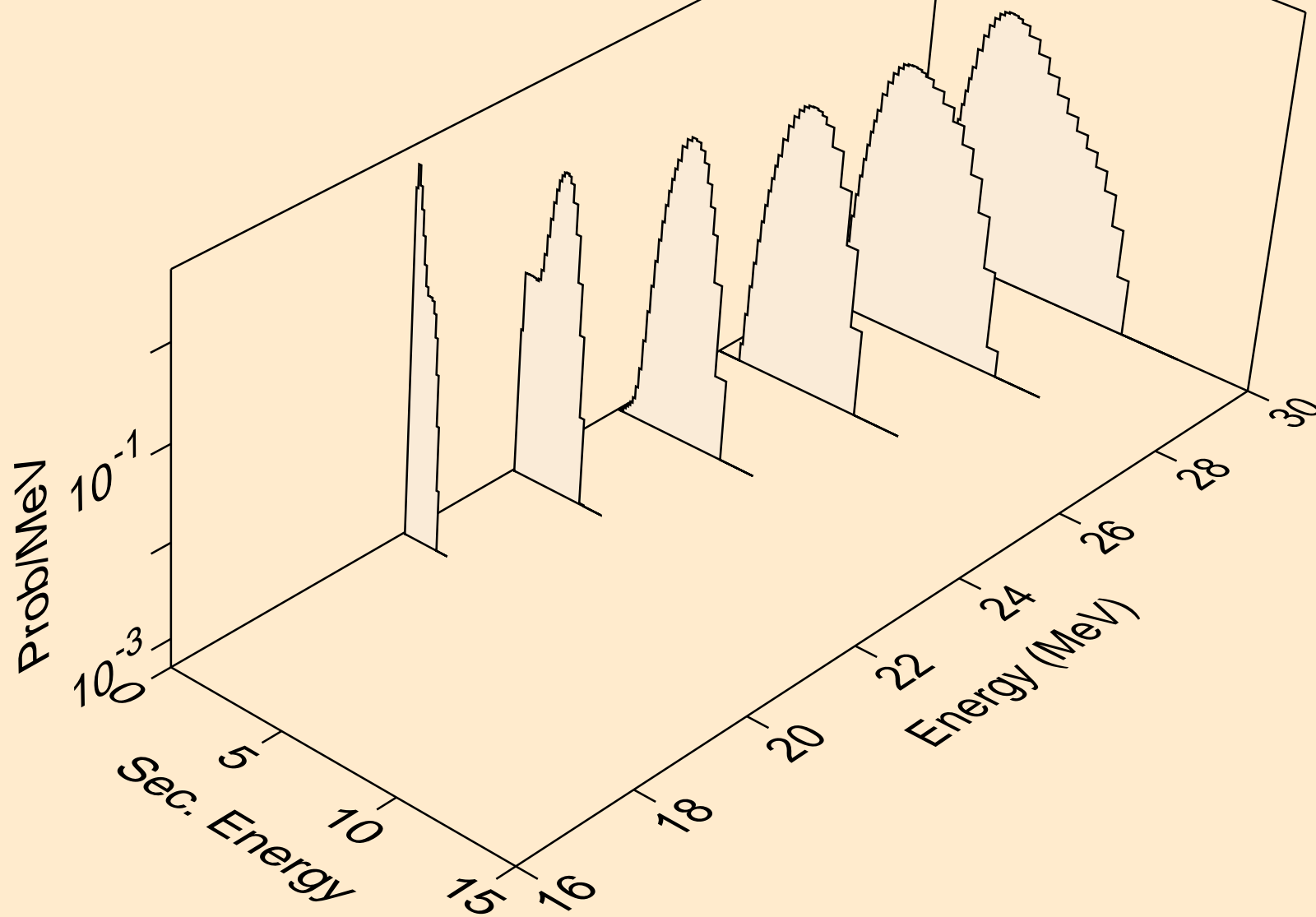
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pa)



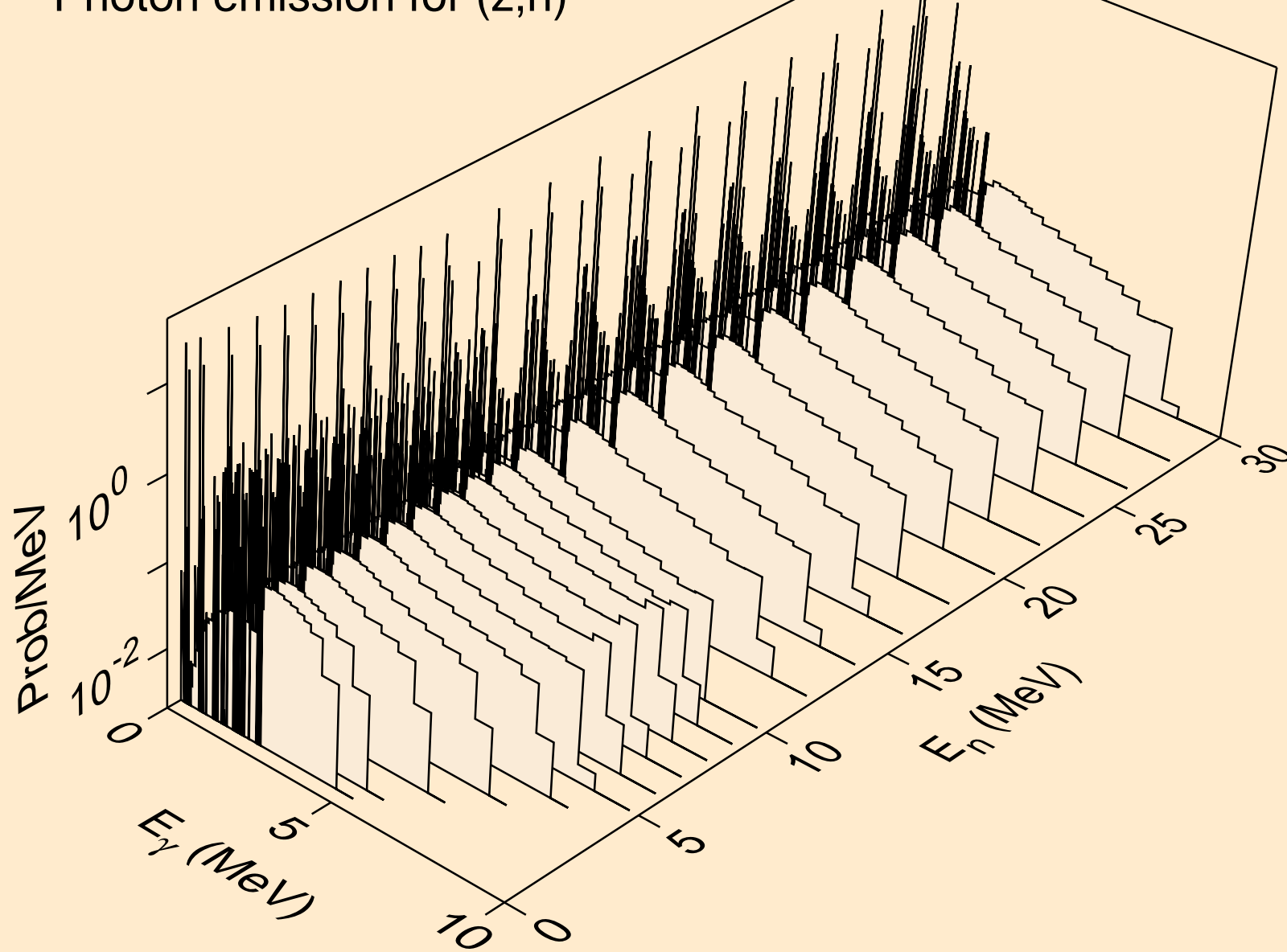
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pd)



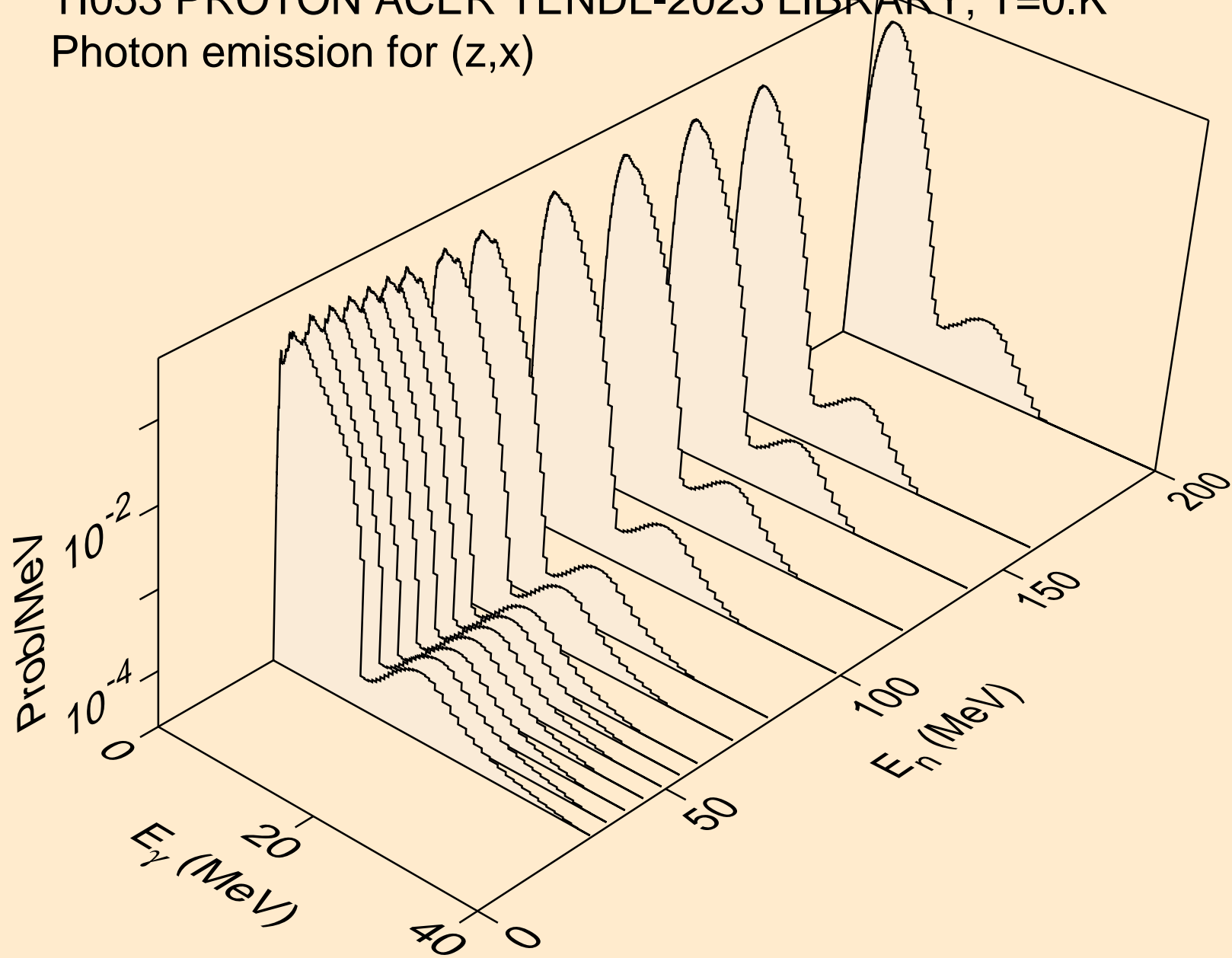
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Proton emission for (p,pt)



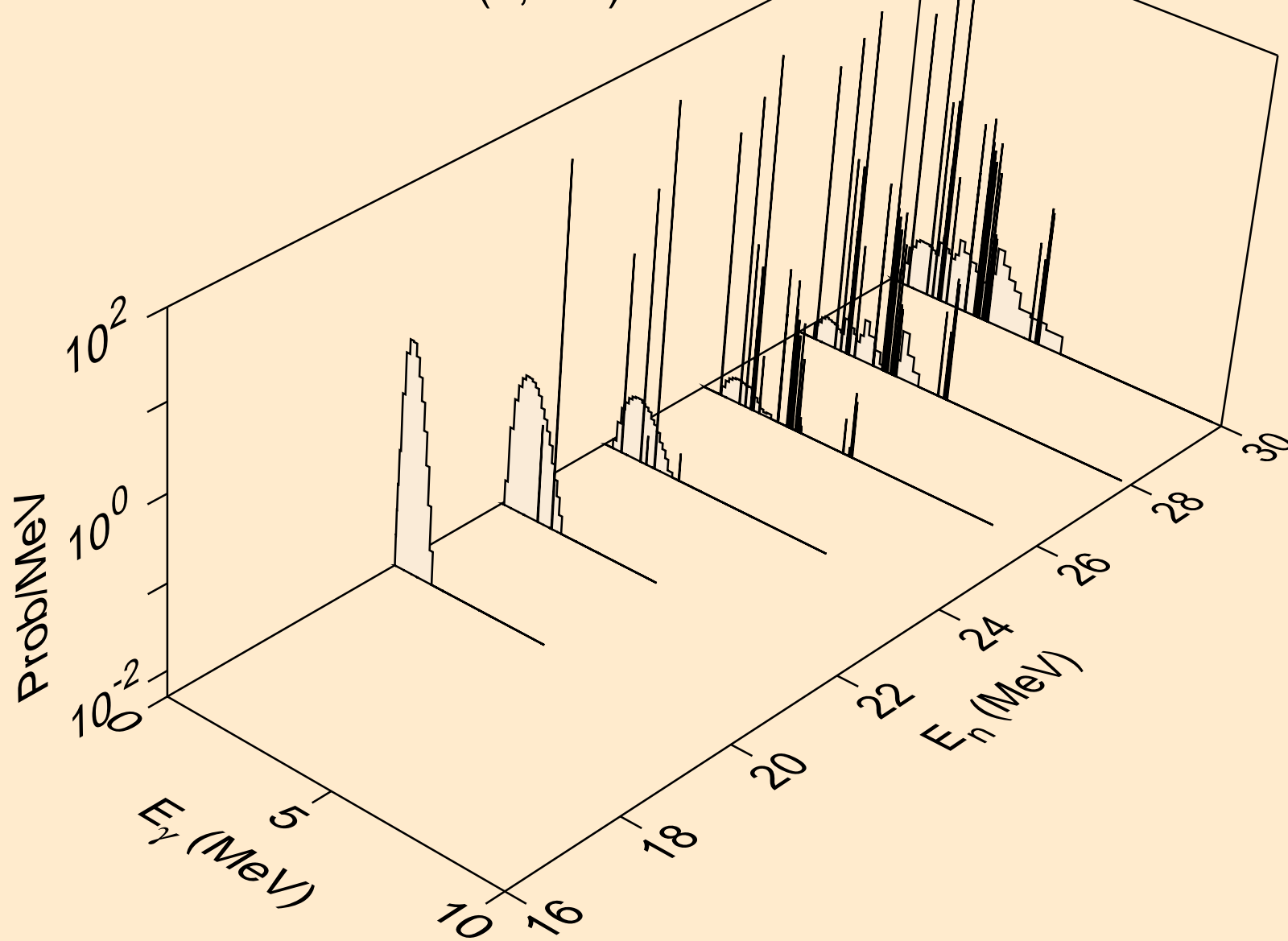
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



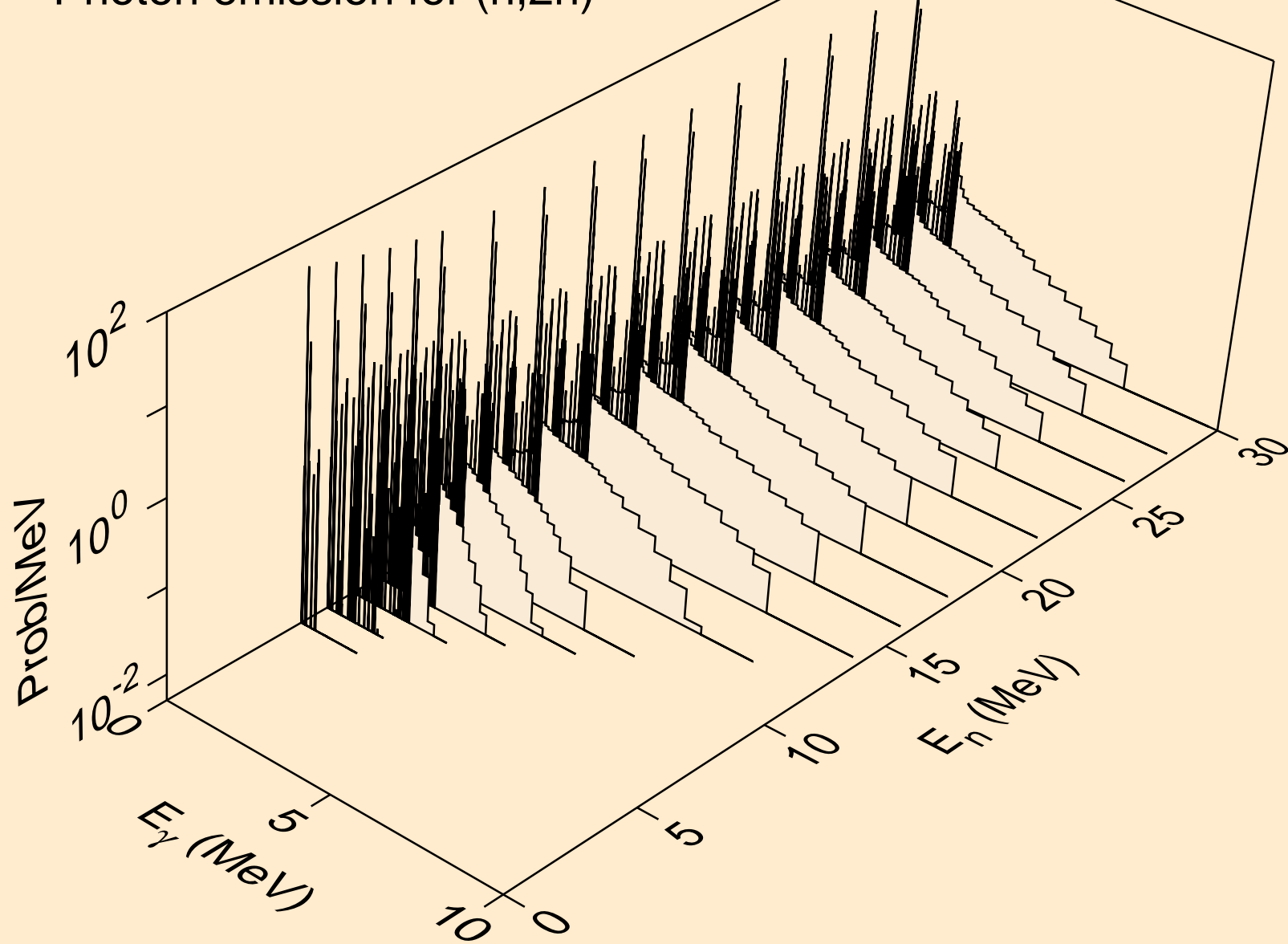
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)

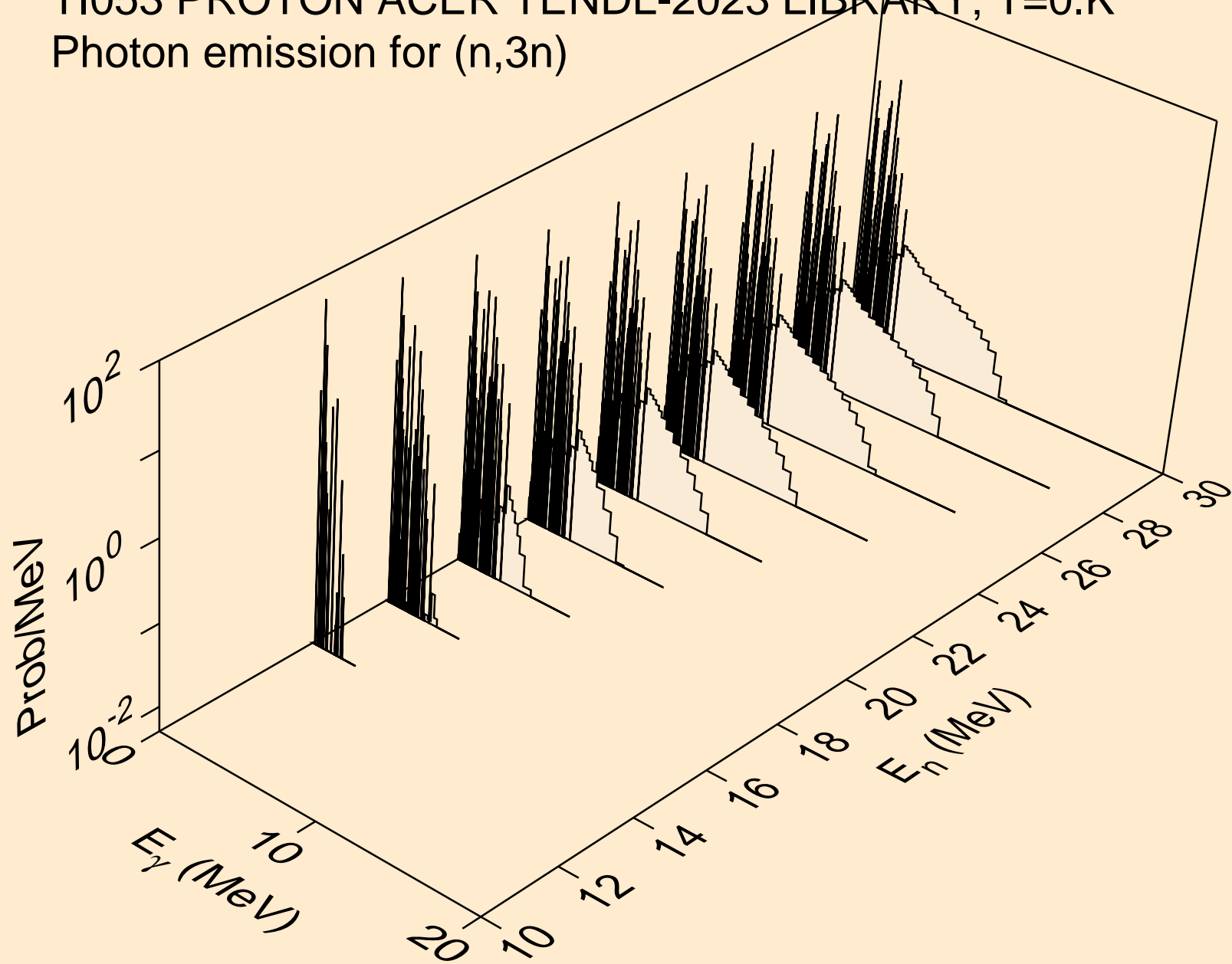


TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)

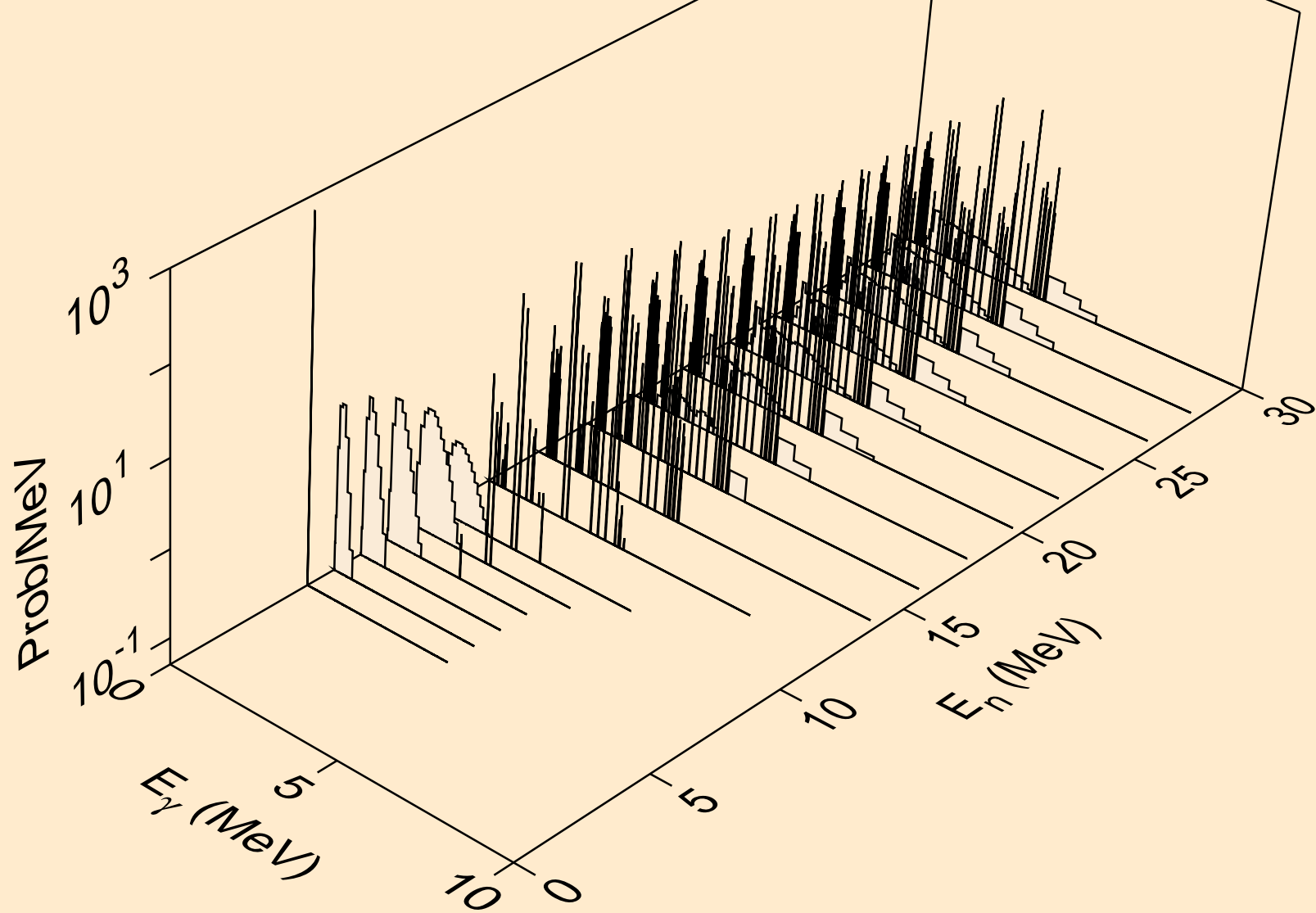




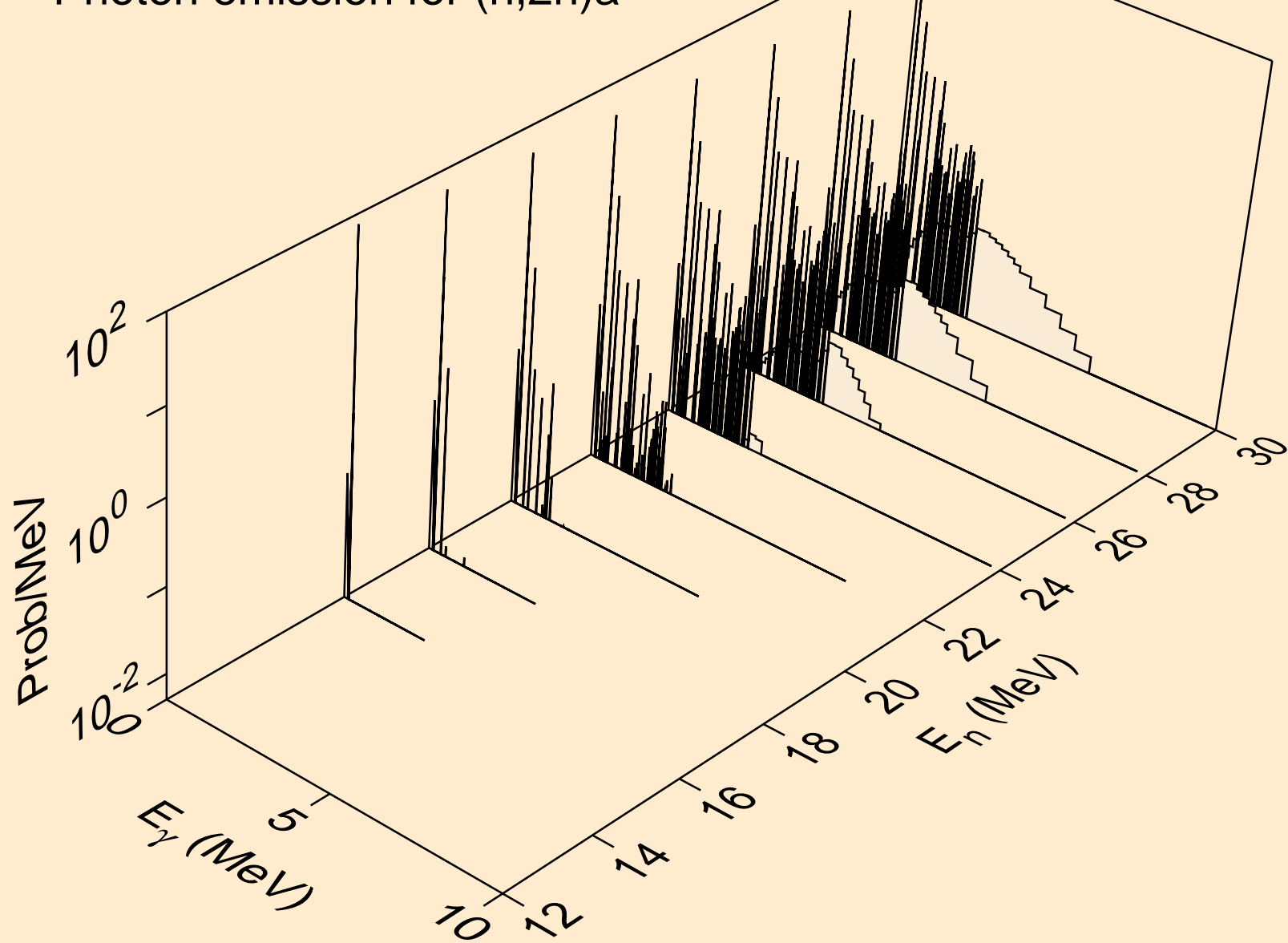
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Photon emission for (n,3n)



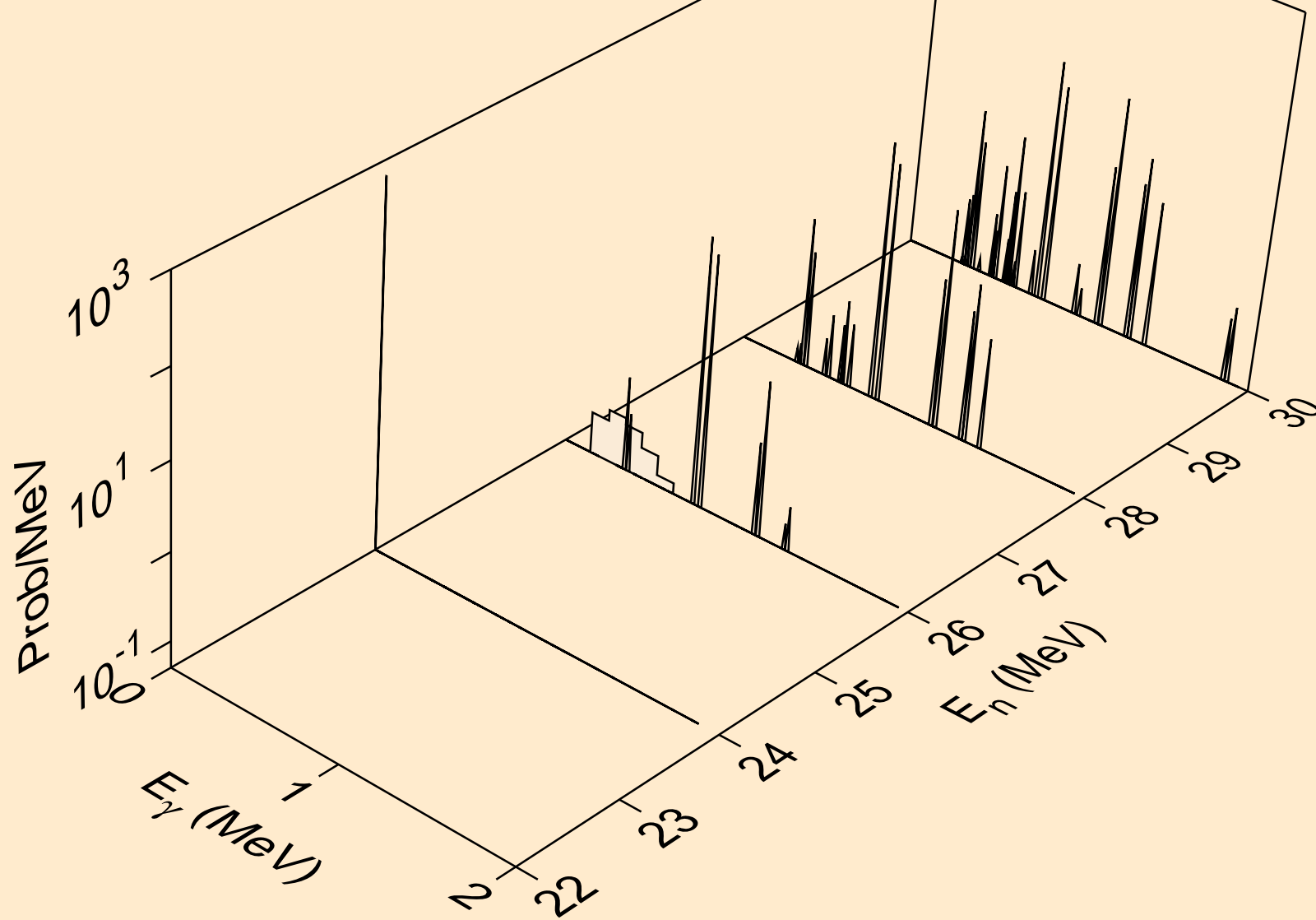
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



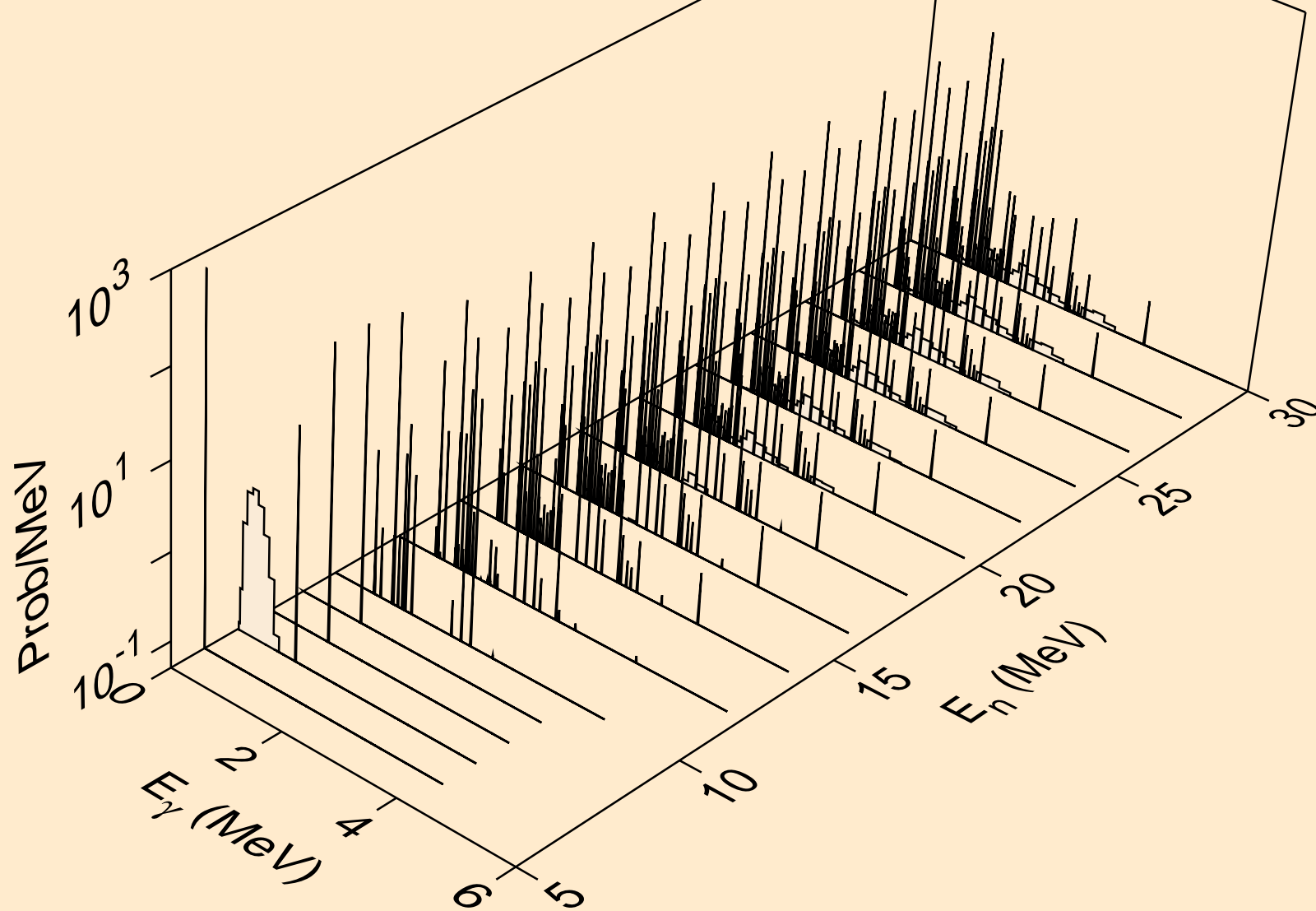
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Photon emission for (n,2n)a



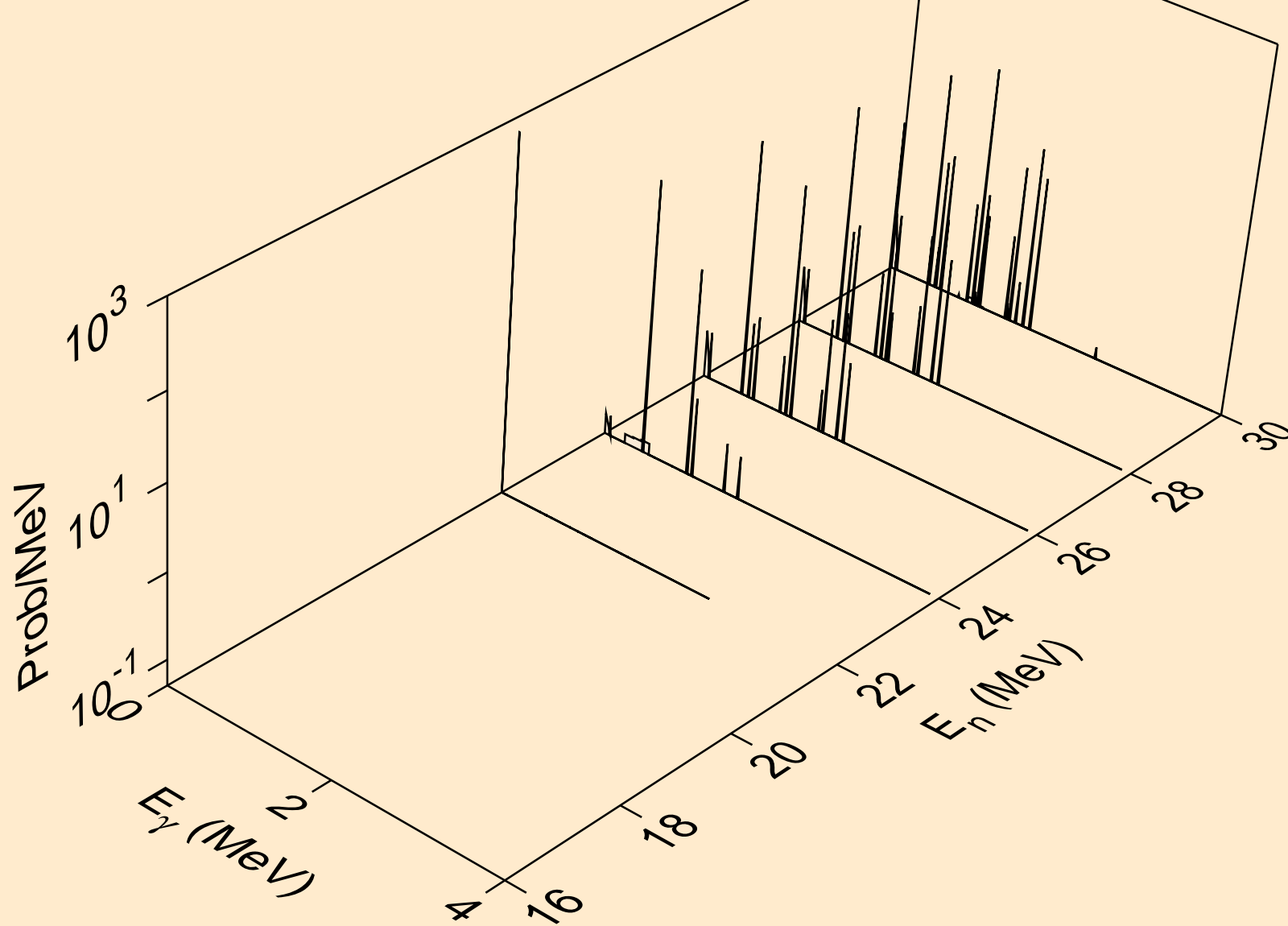
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Photon emission for (n,3n)a



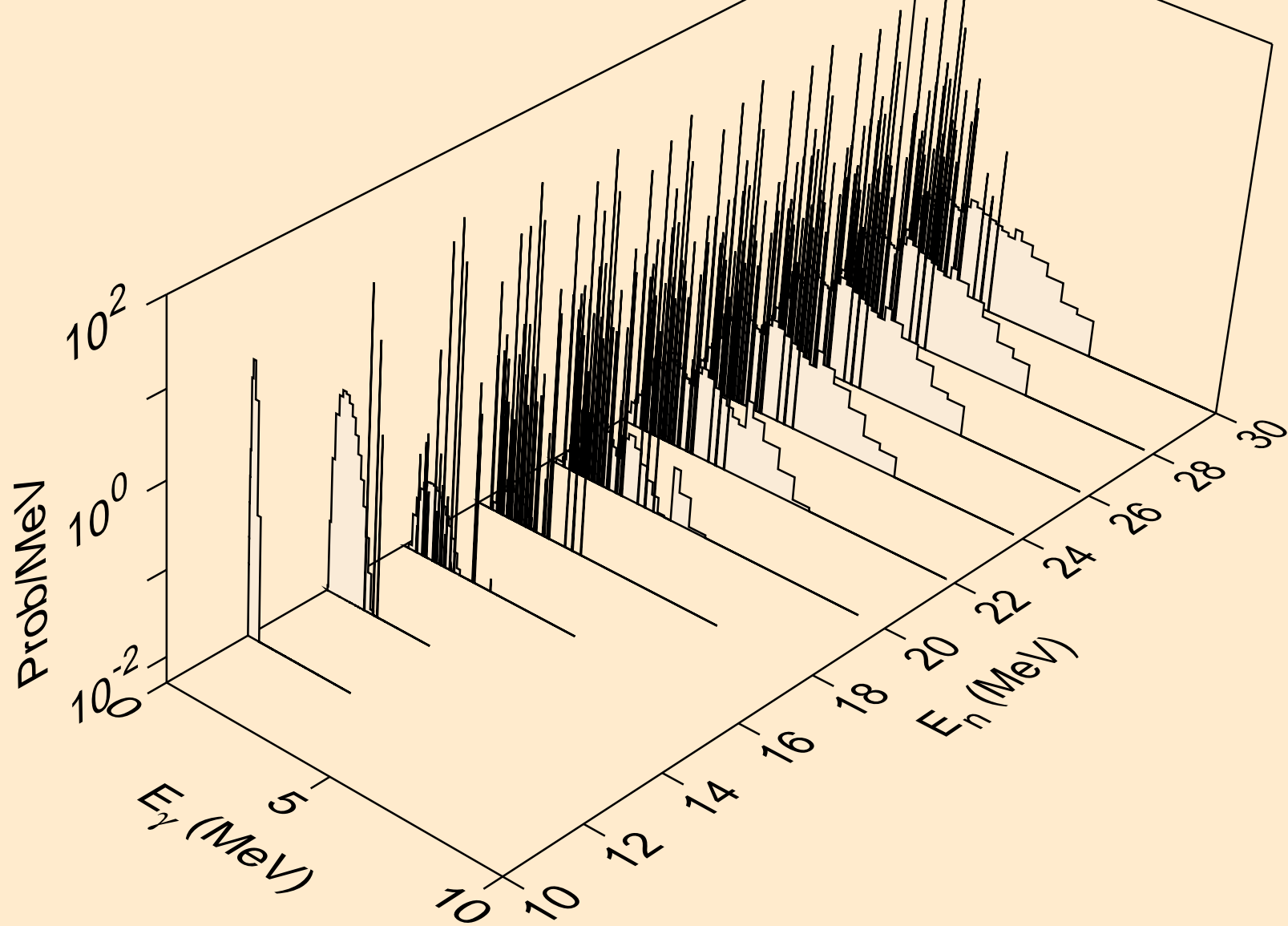
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Photon emission for (n,n\*)p



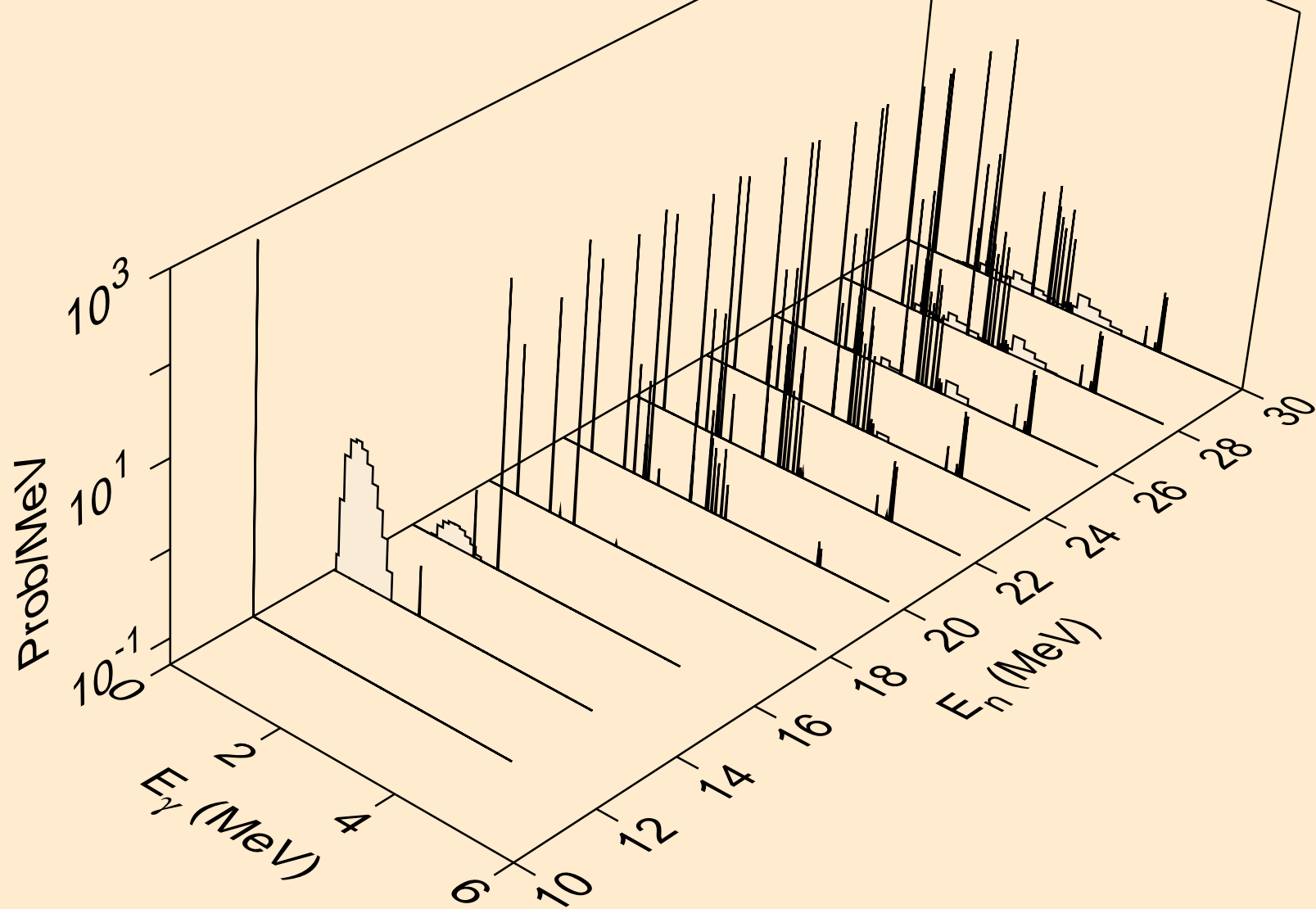
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

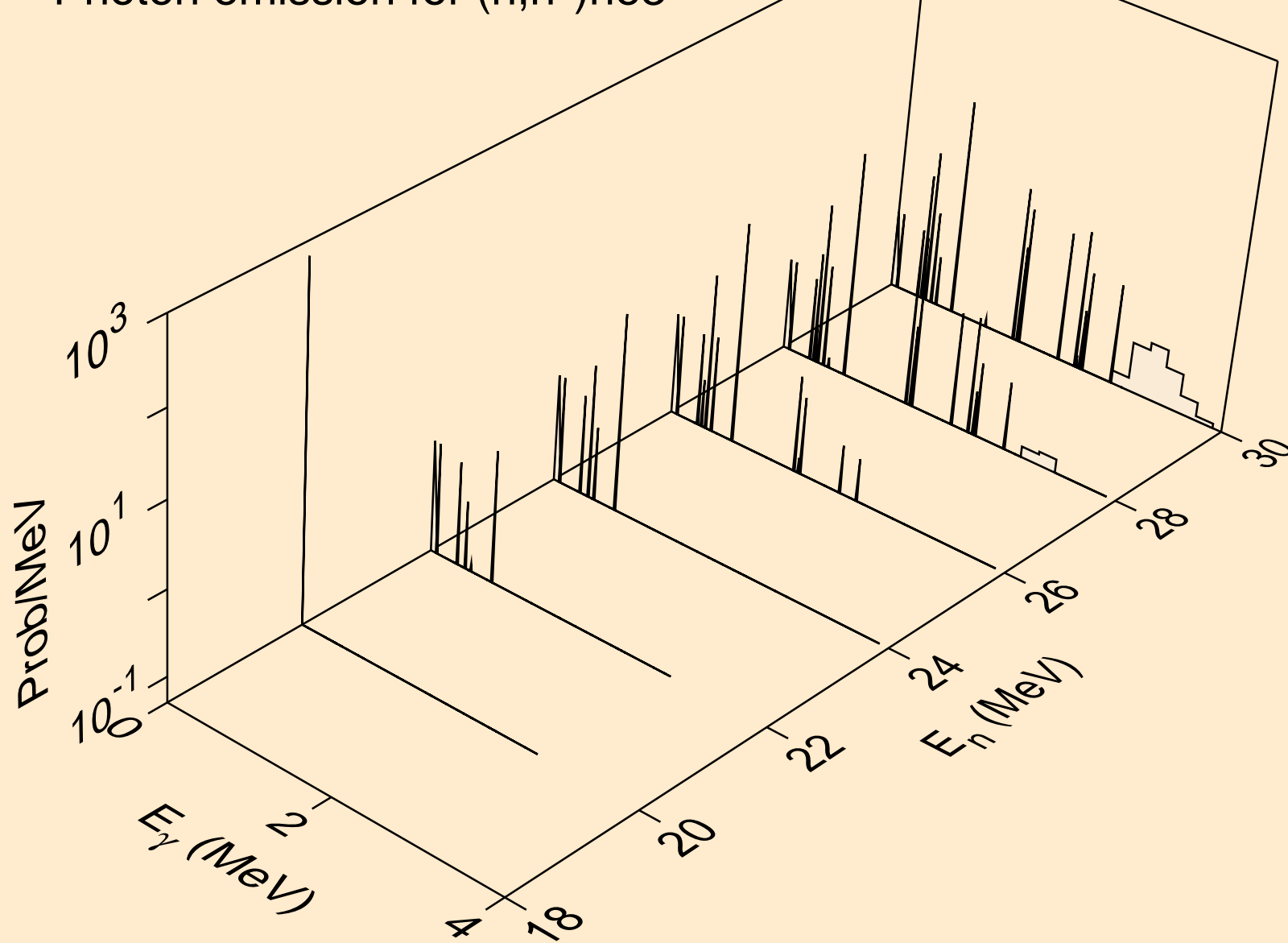


TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

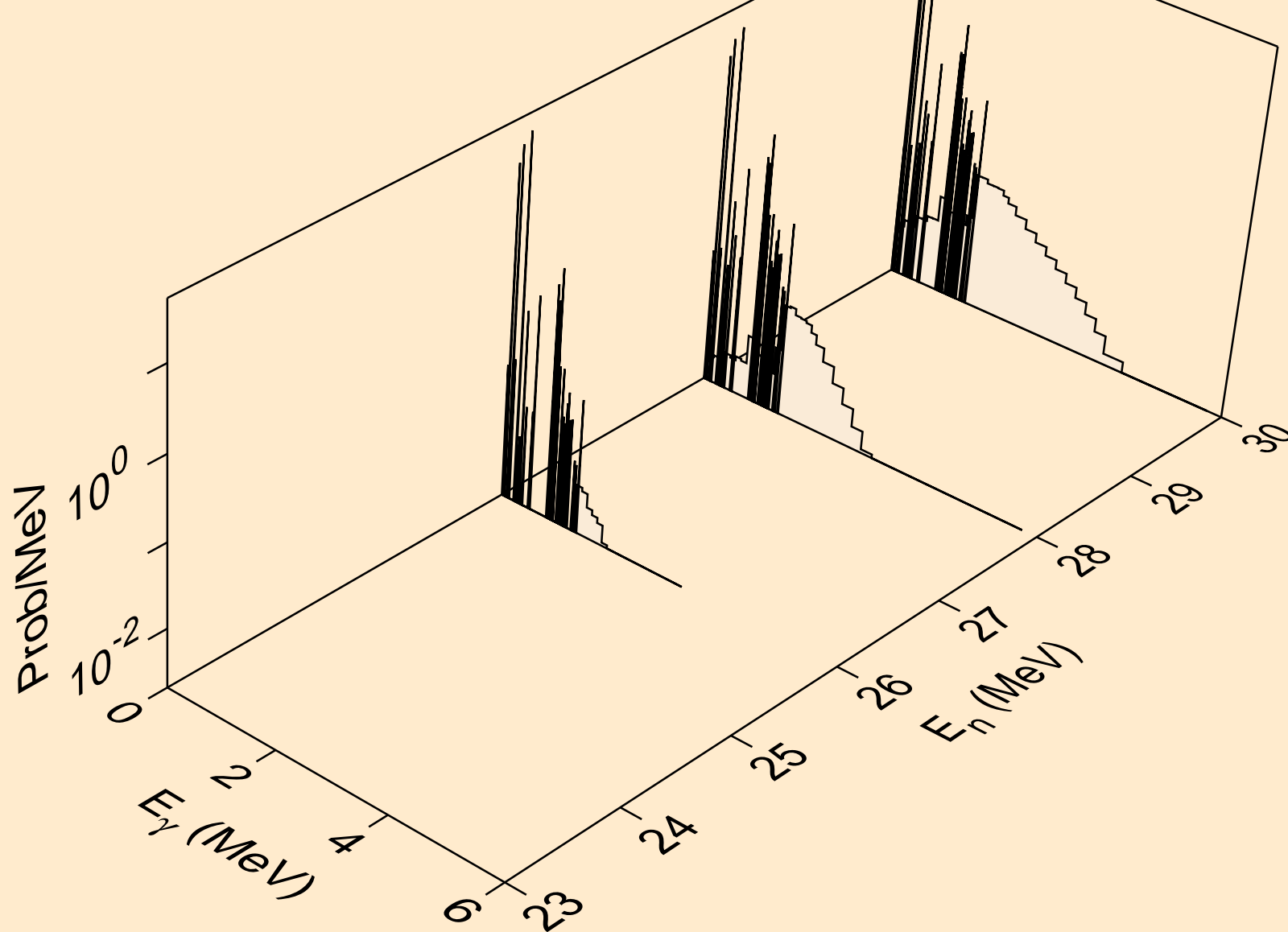




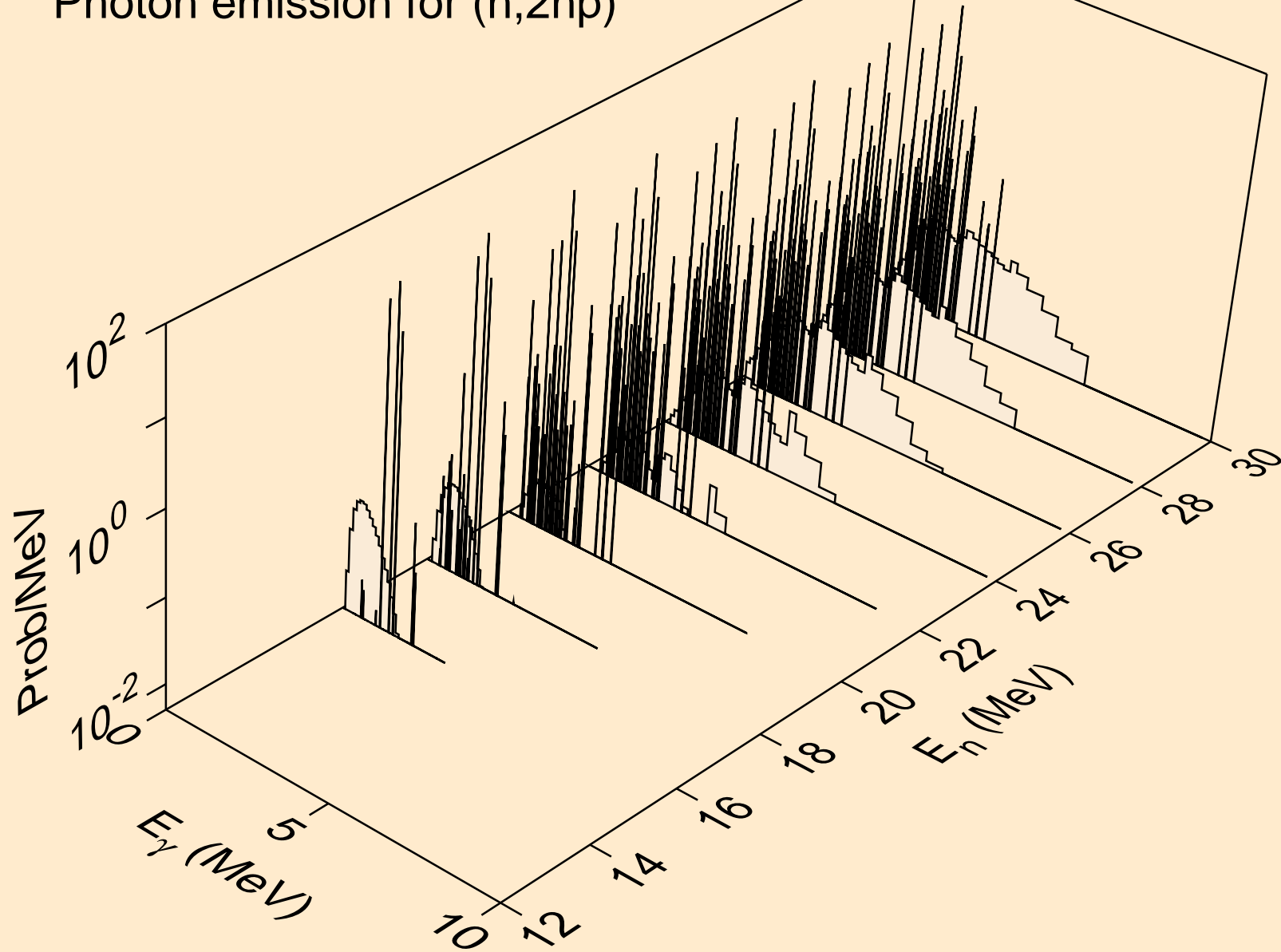
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



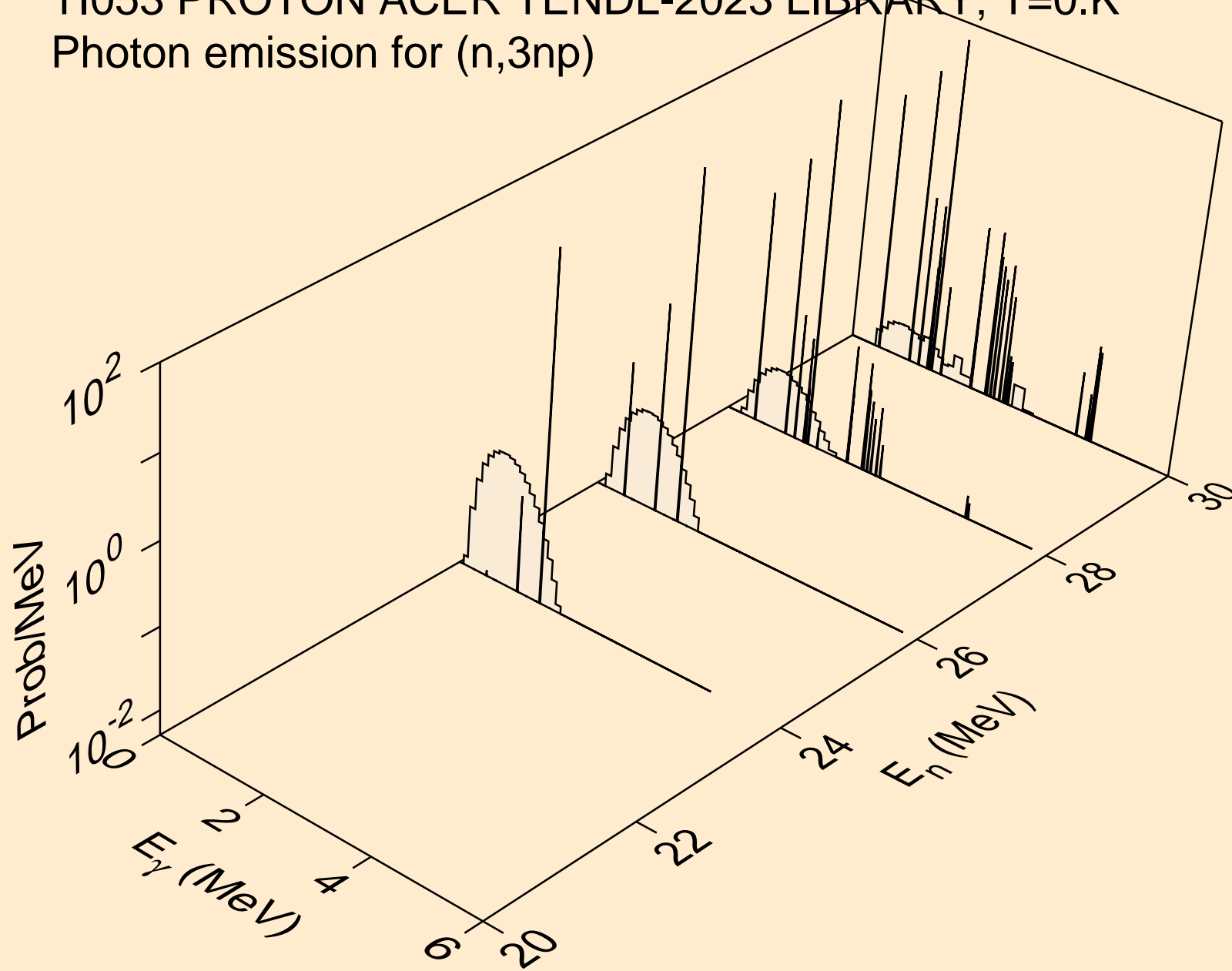
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



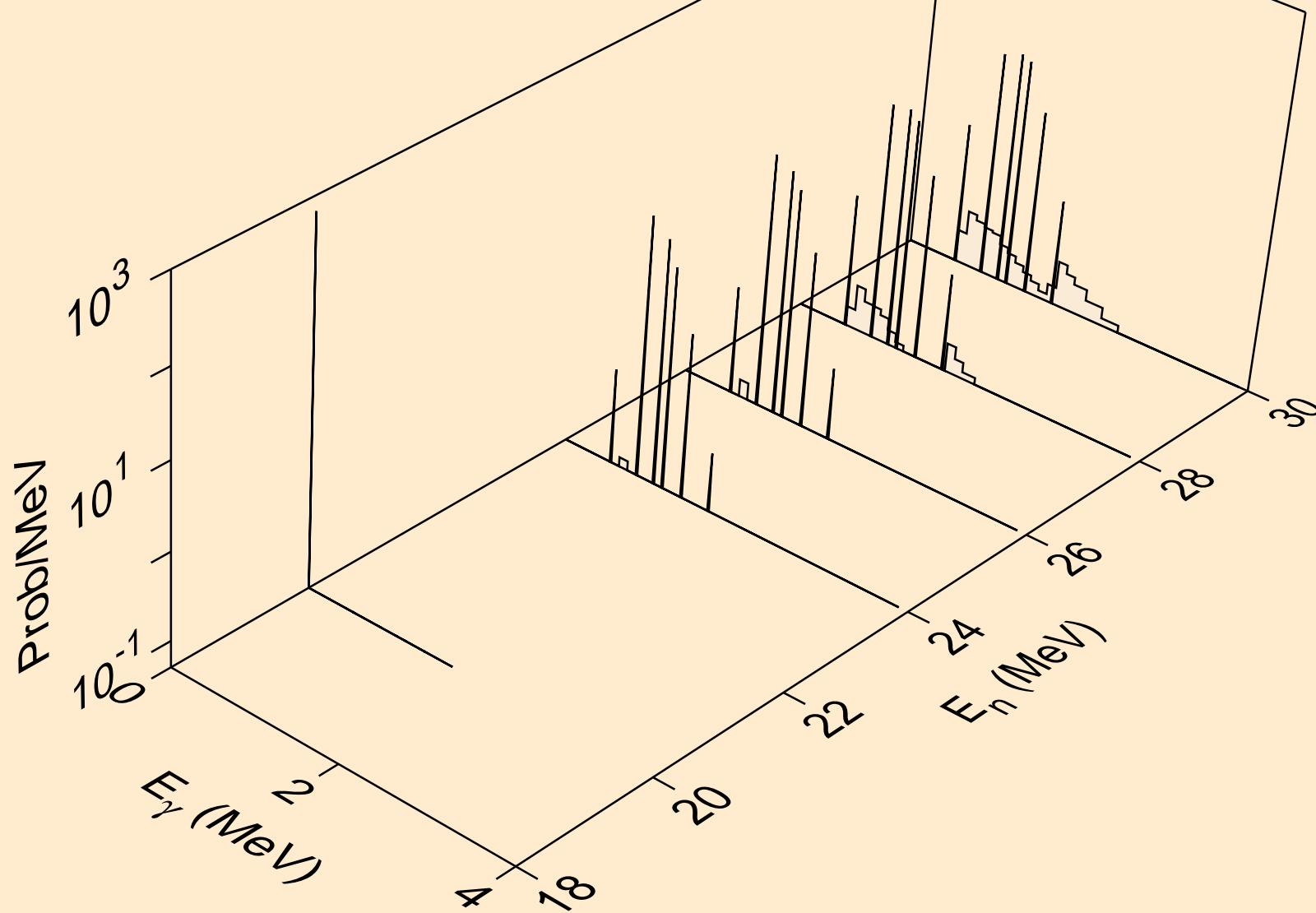
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Photon emission for (n,2np)



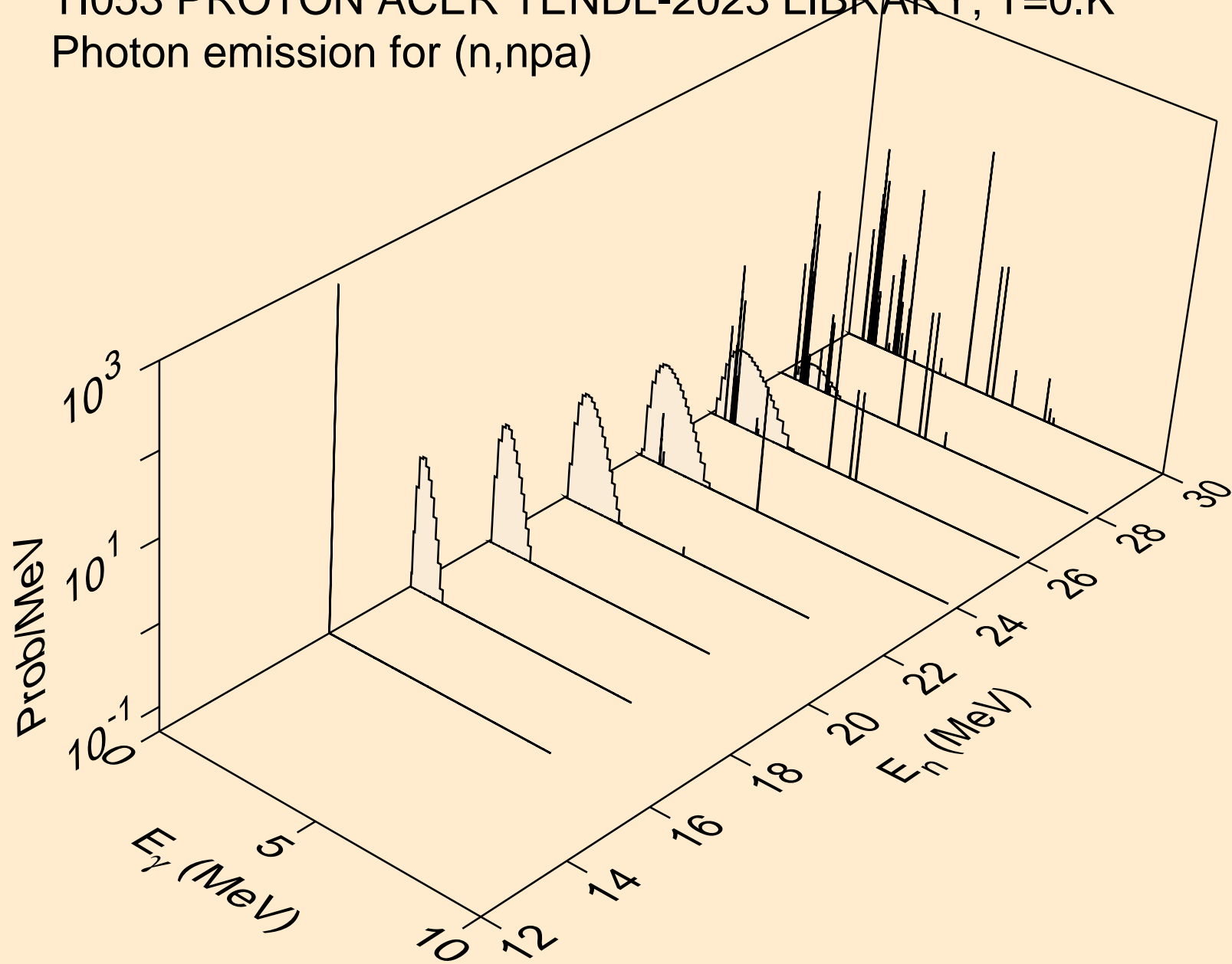
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Photon emission for (n,3np)



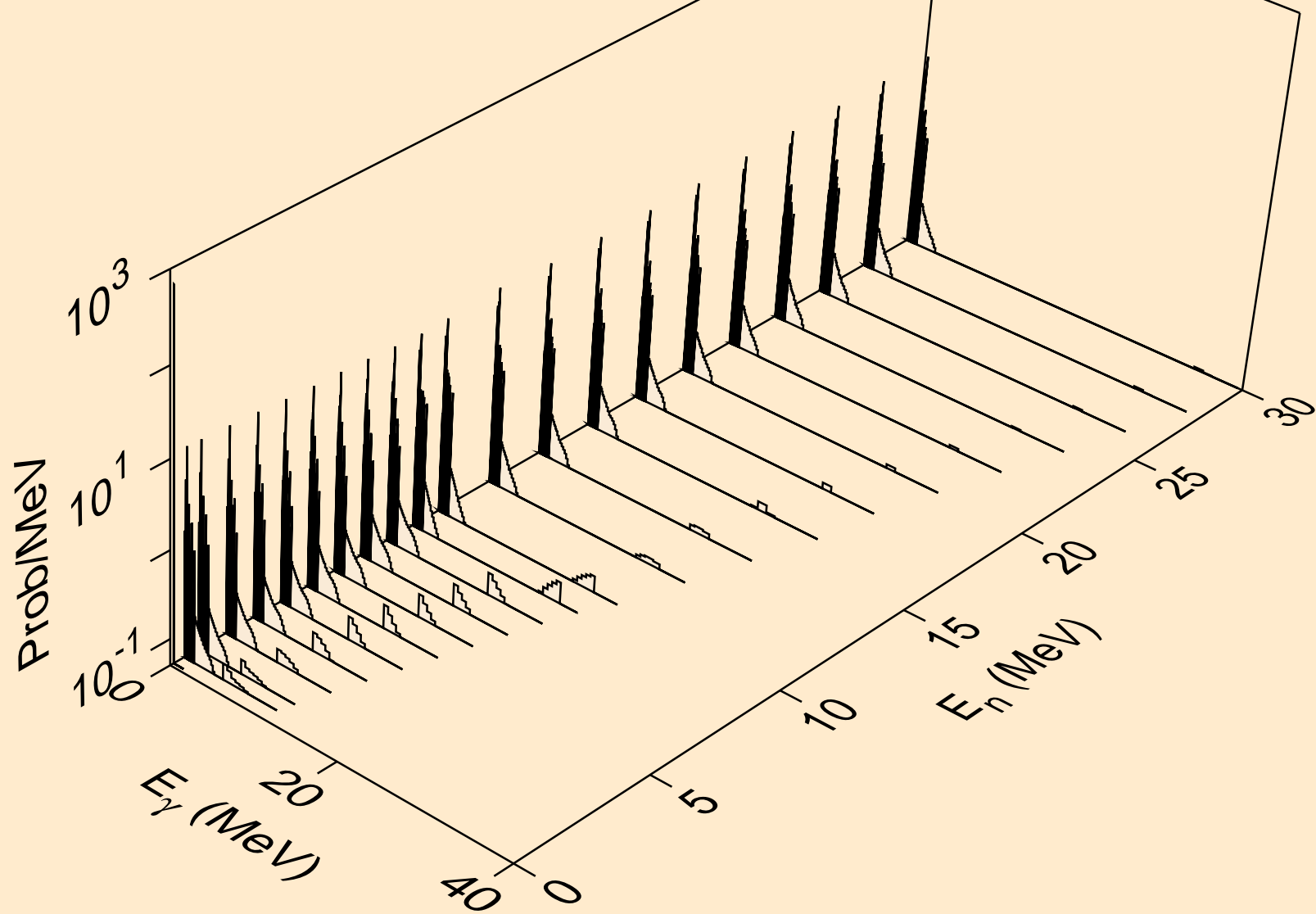
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Photon emission for (n,n2p)



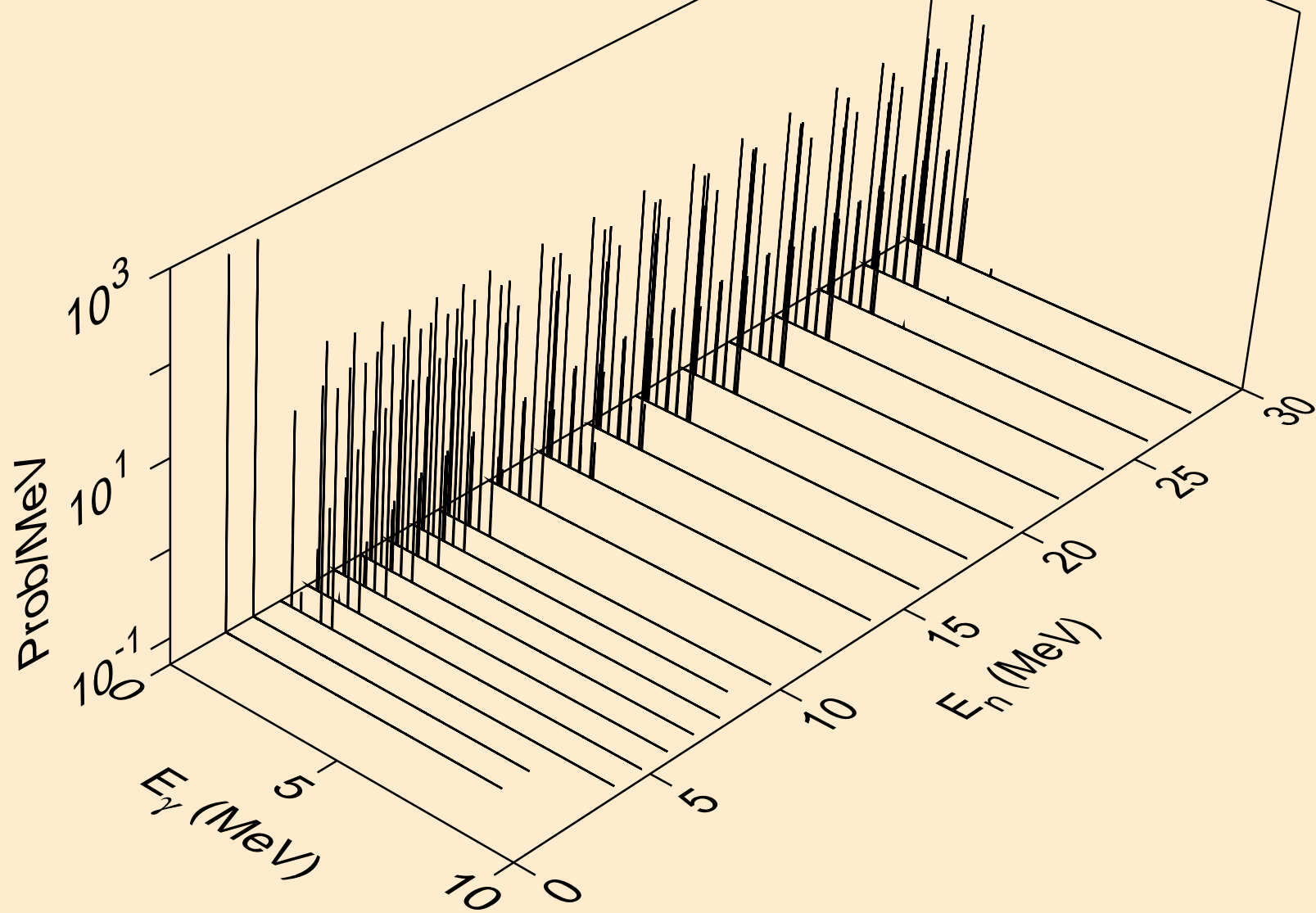
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)

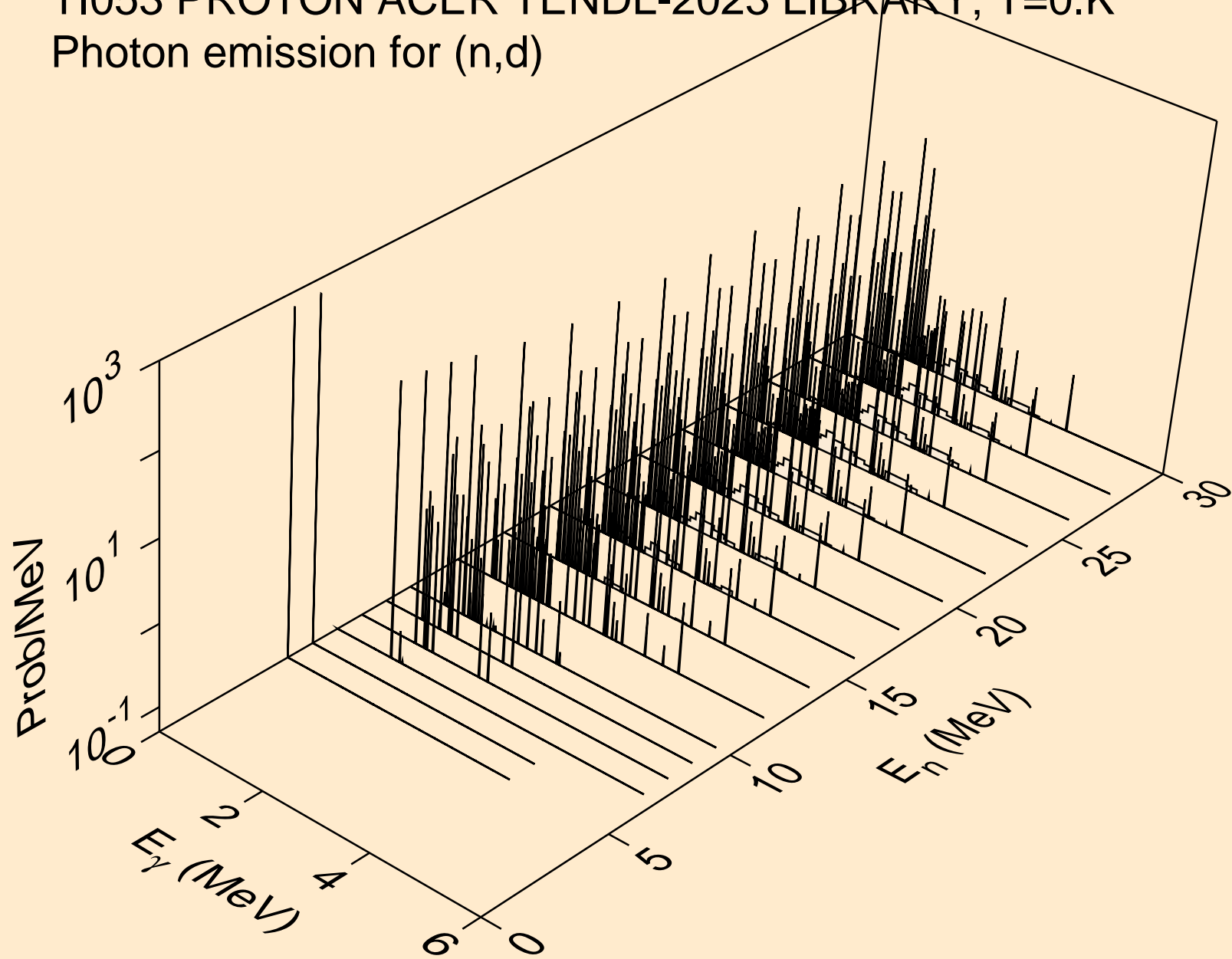


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Photon emission for inelastic

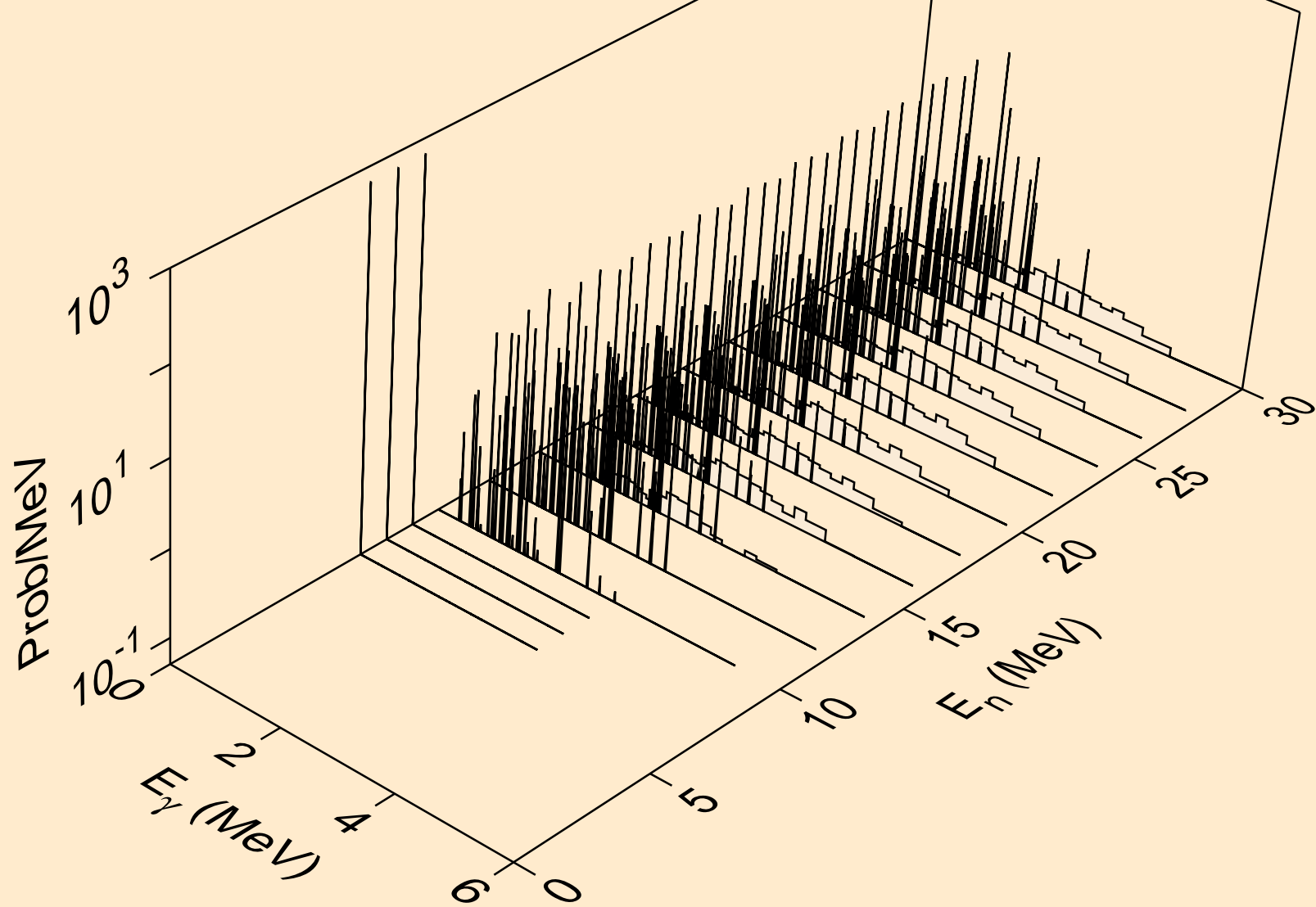




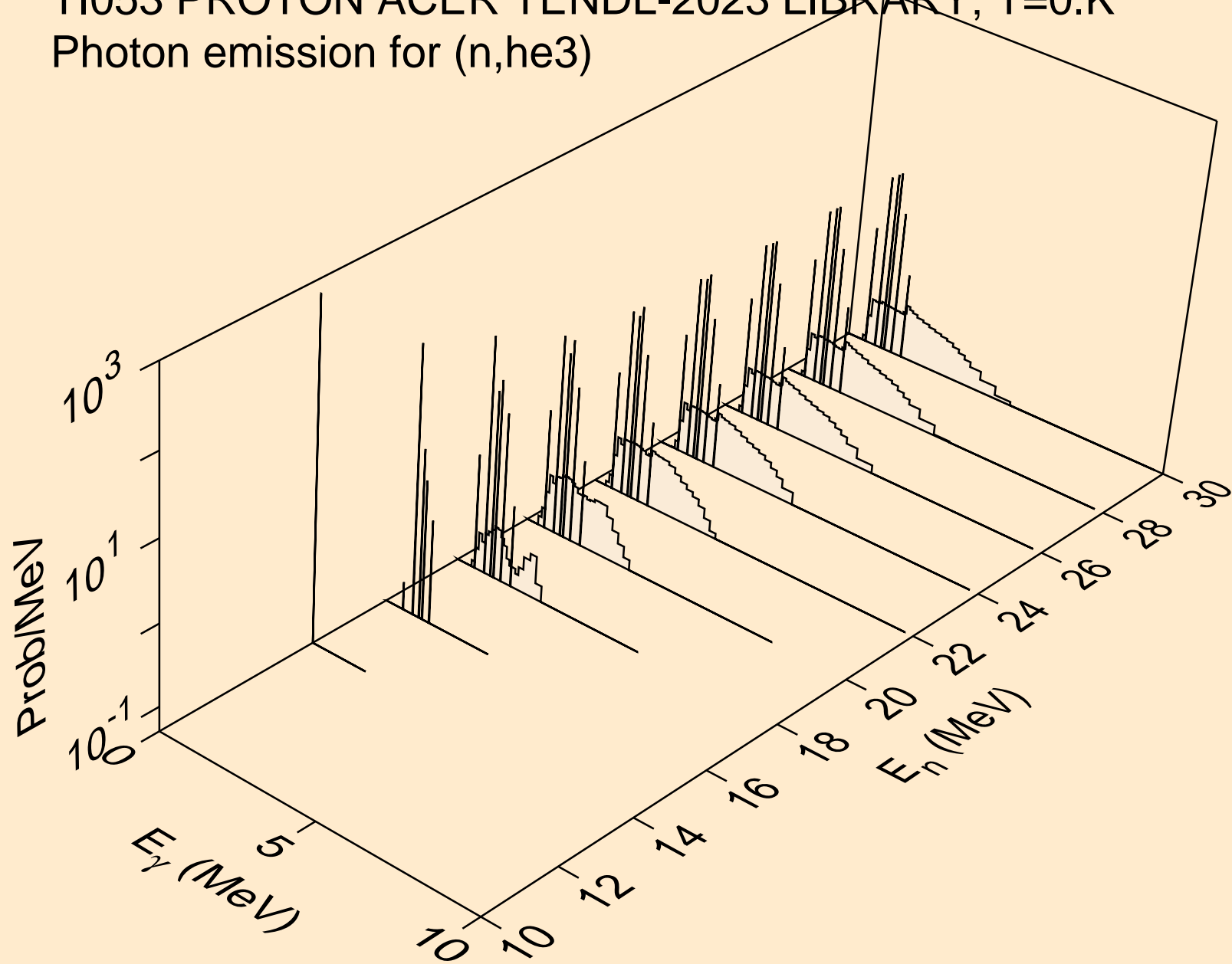
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Photon emission for (n,d)



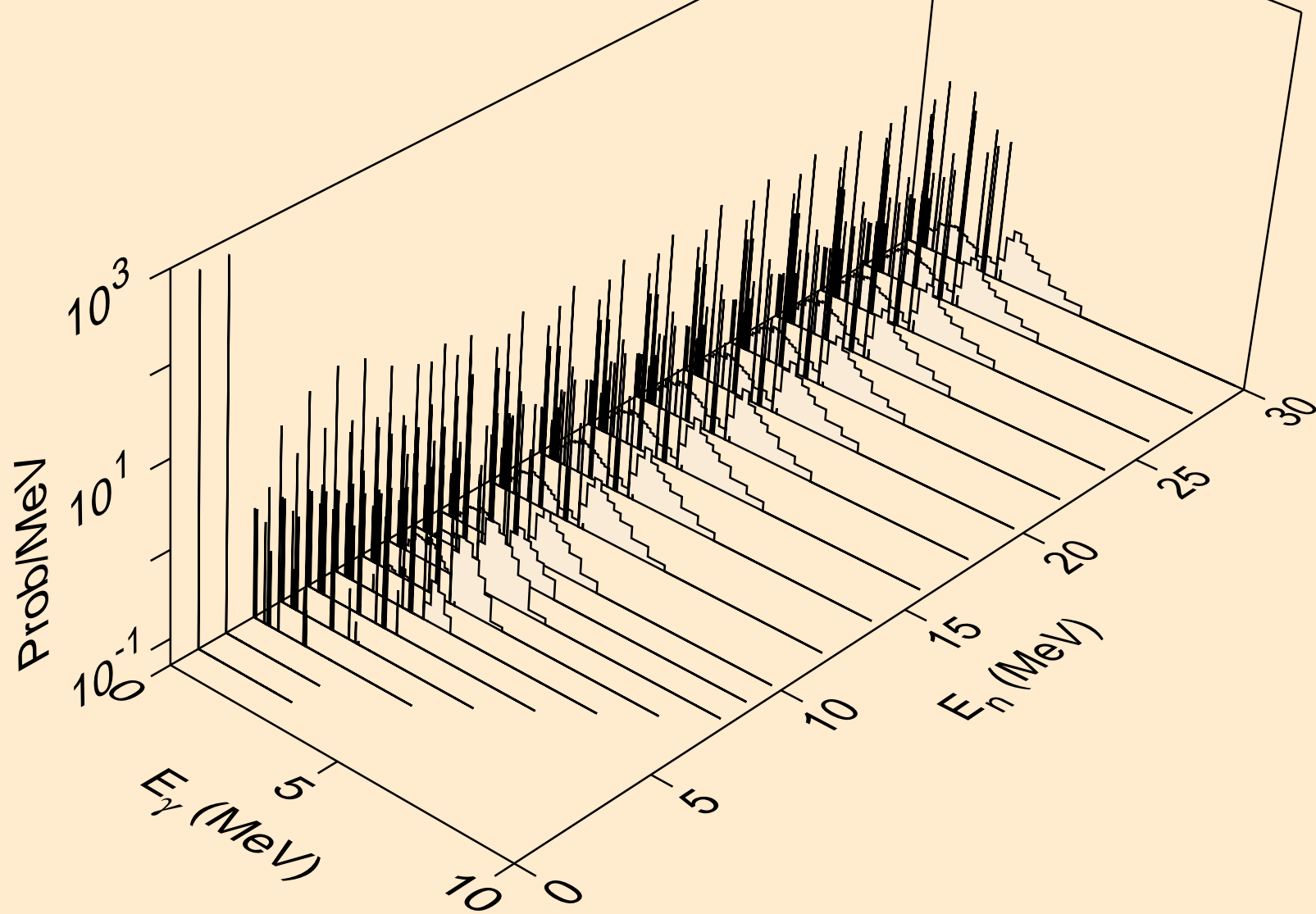
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Photon emission for (n,t)



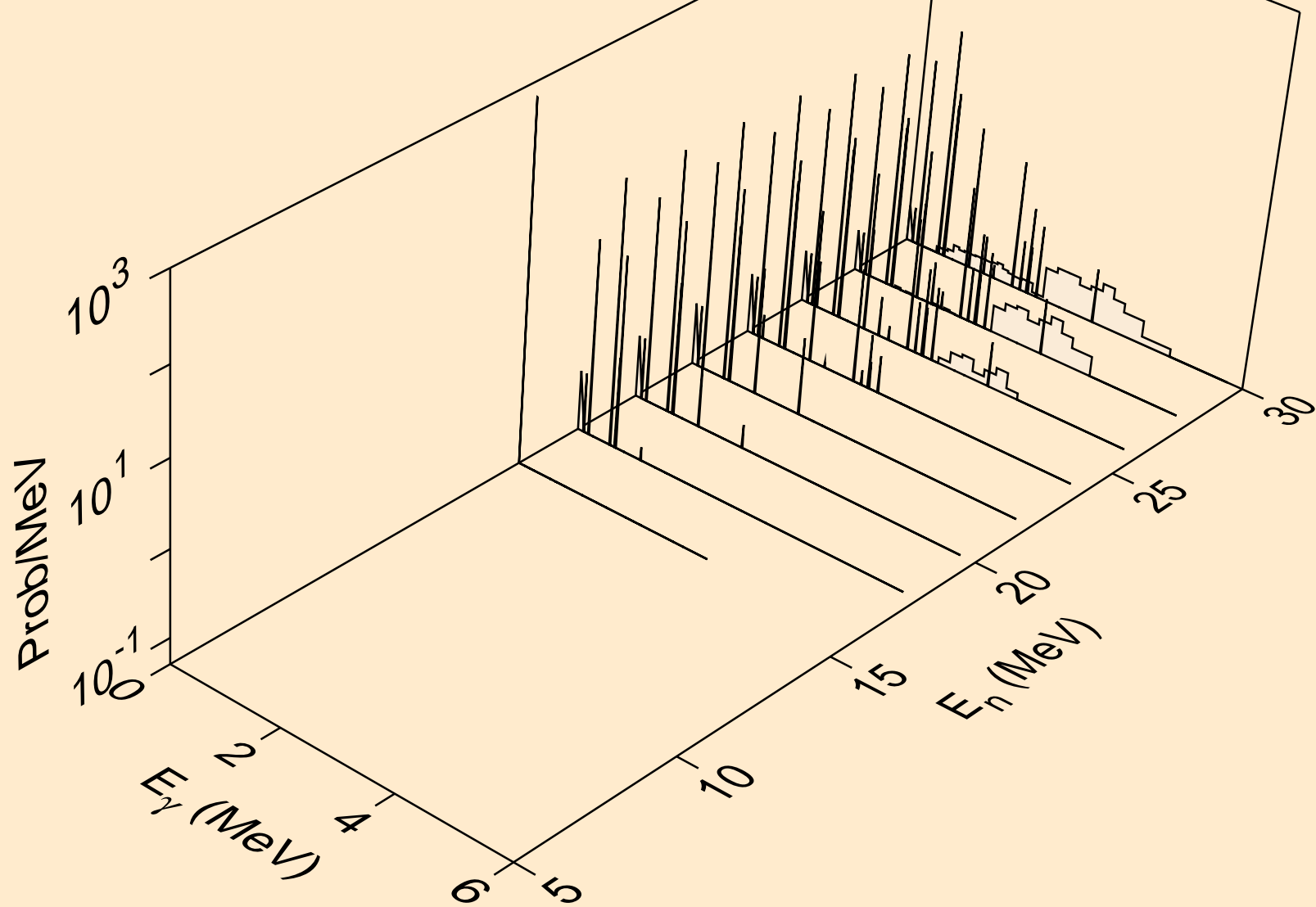
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Photon emission for (n,he3)



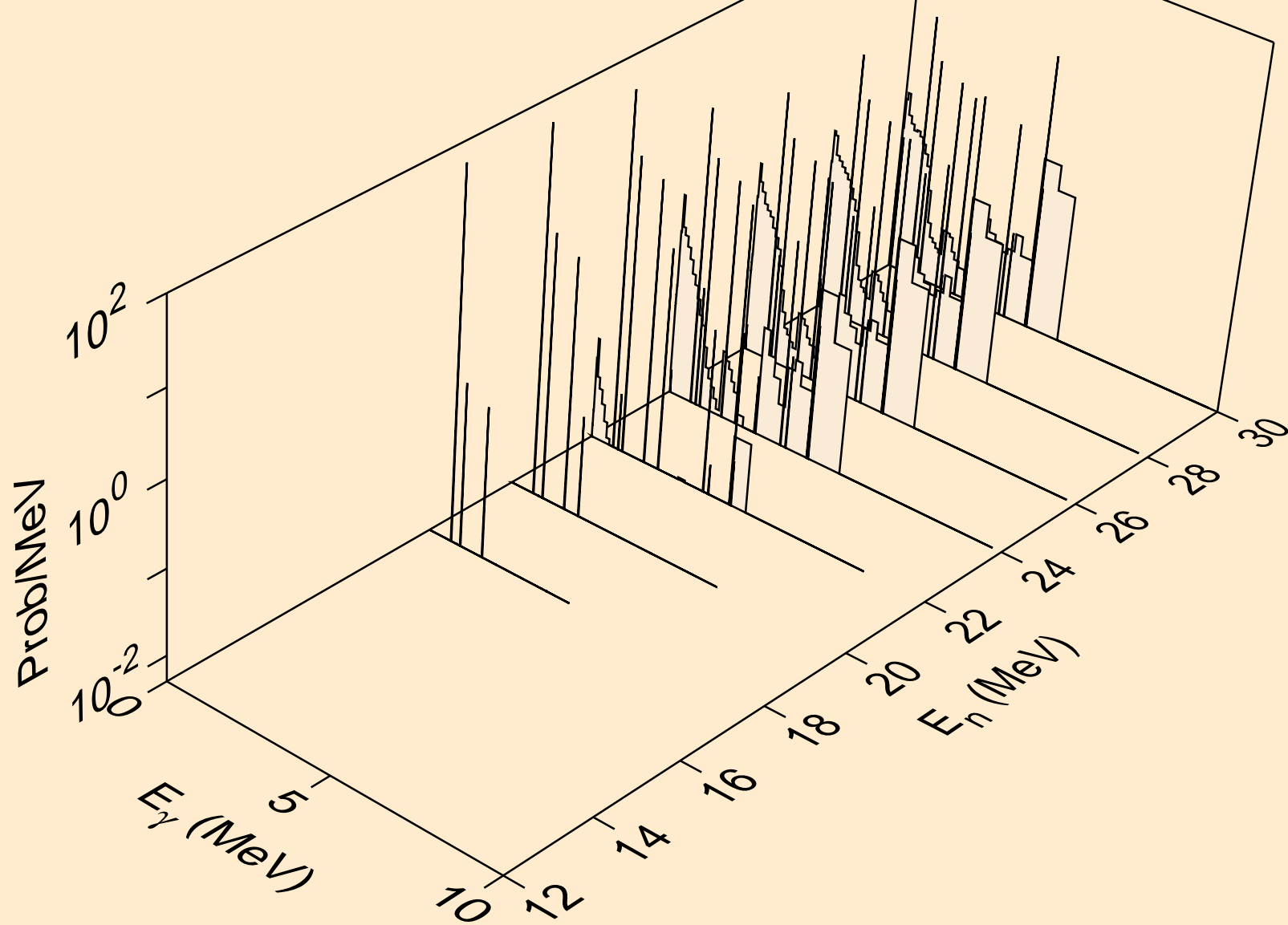
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Photon emission for (n,a)



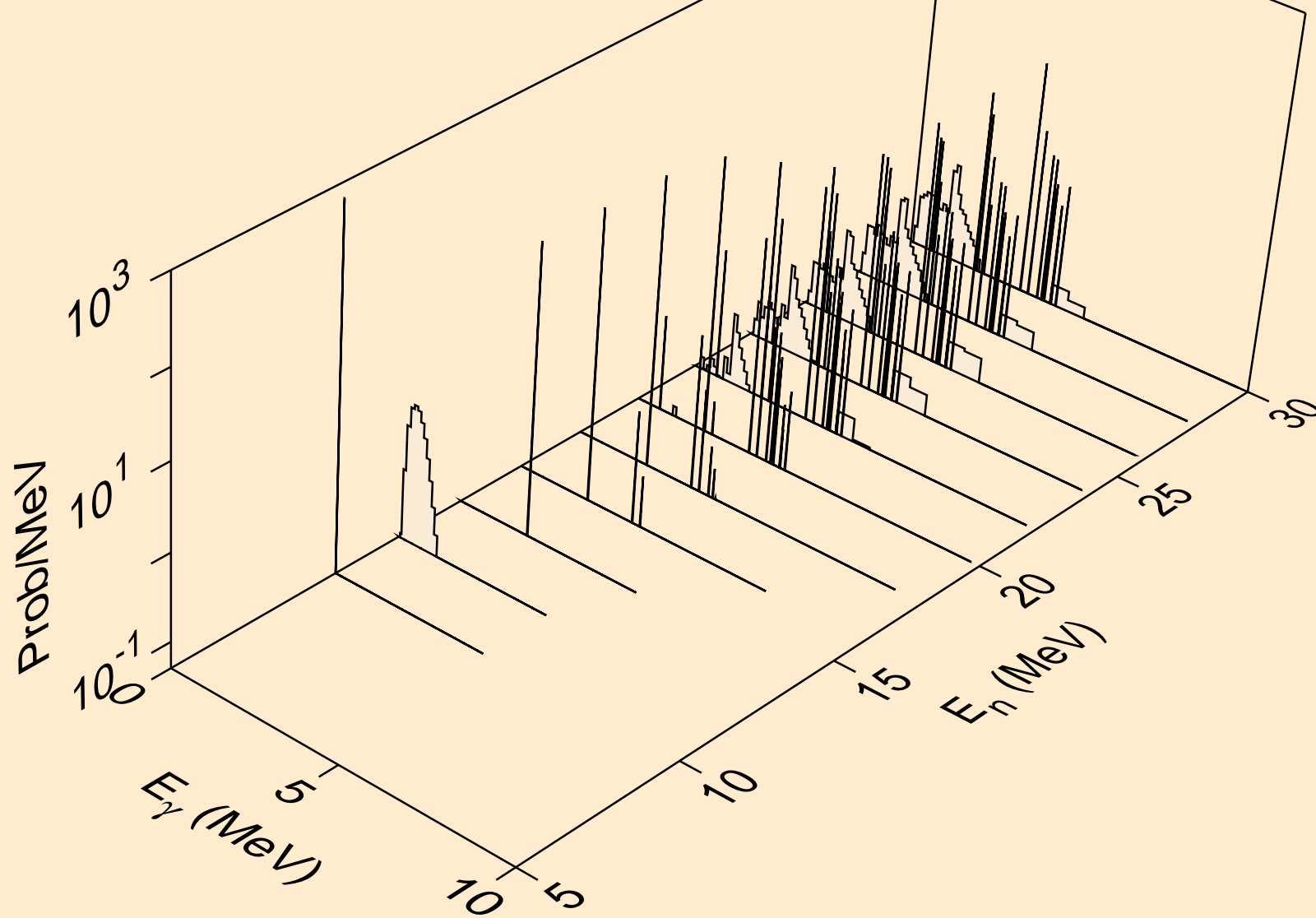
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Photon emission for (n,2a)



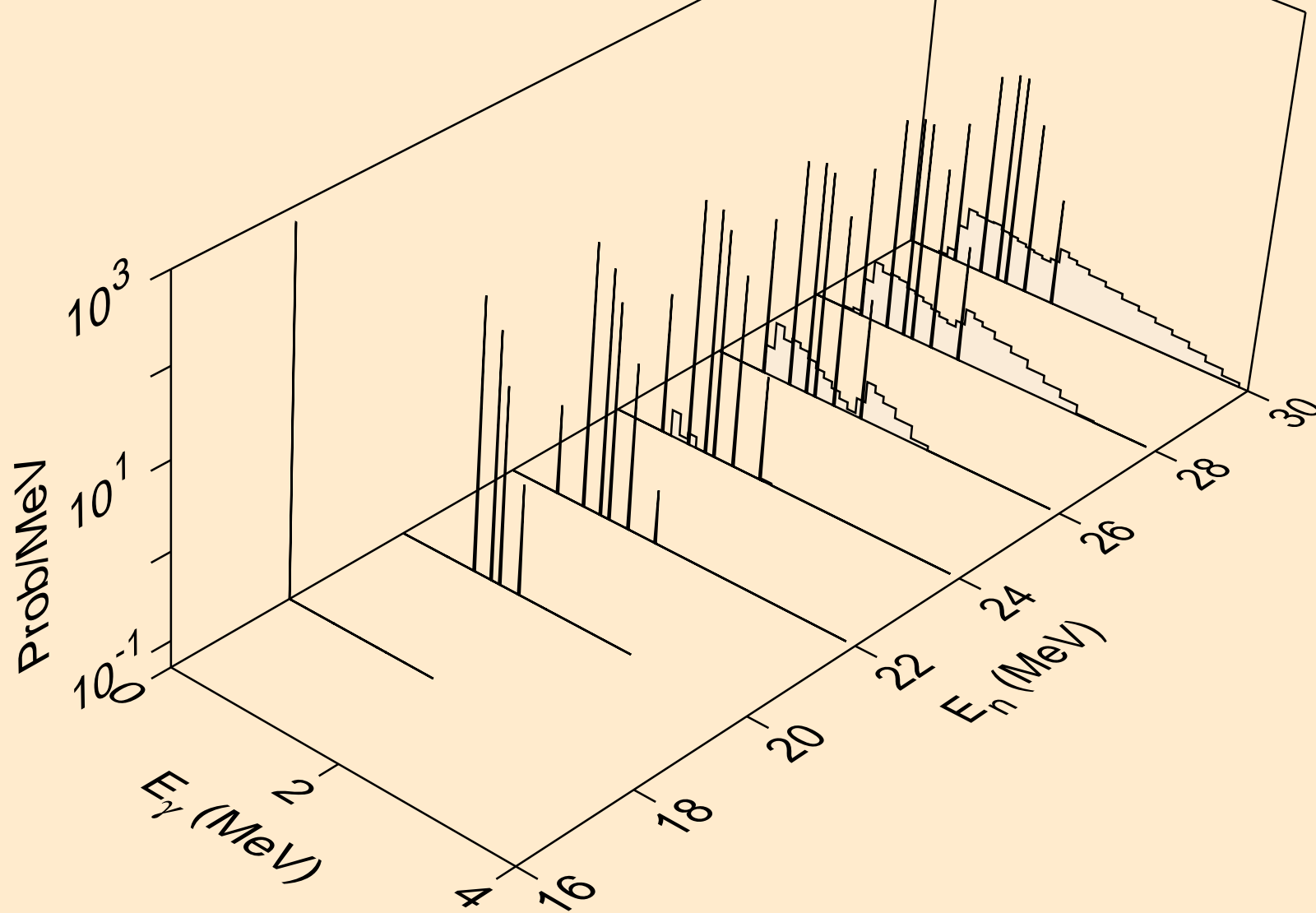
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)

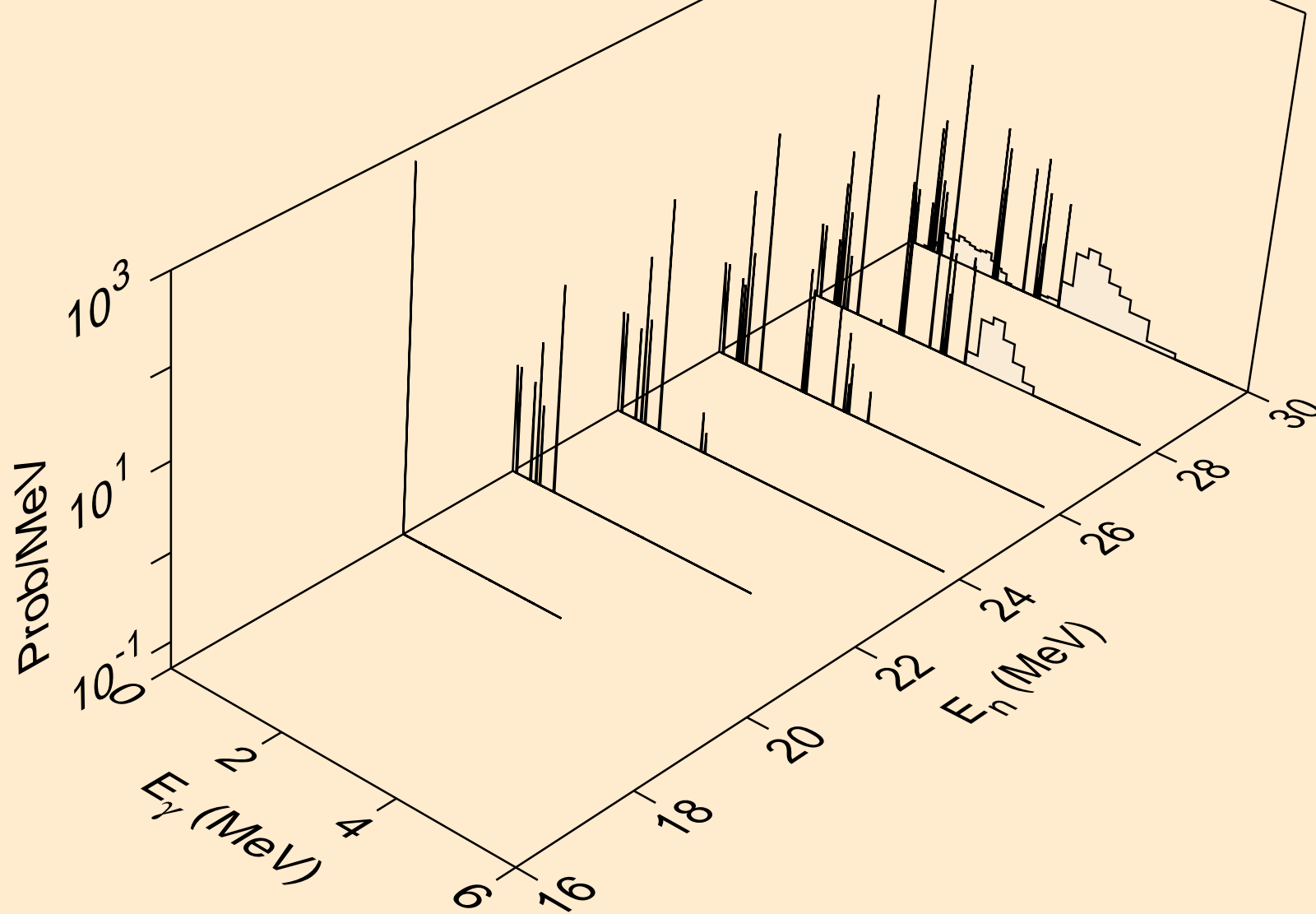


TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)

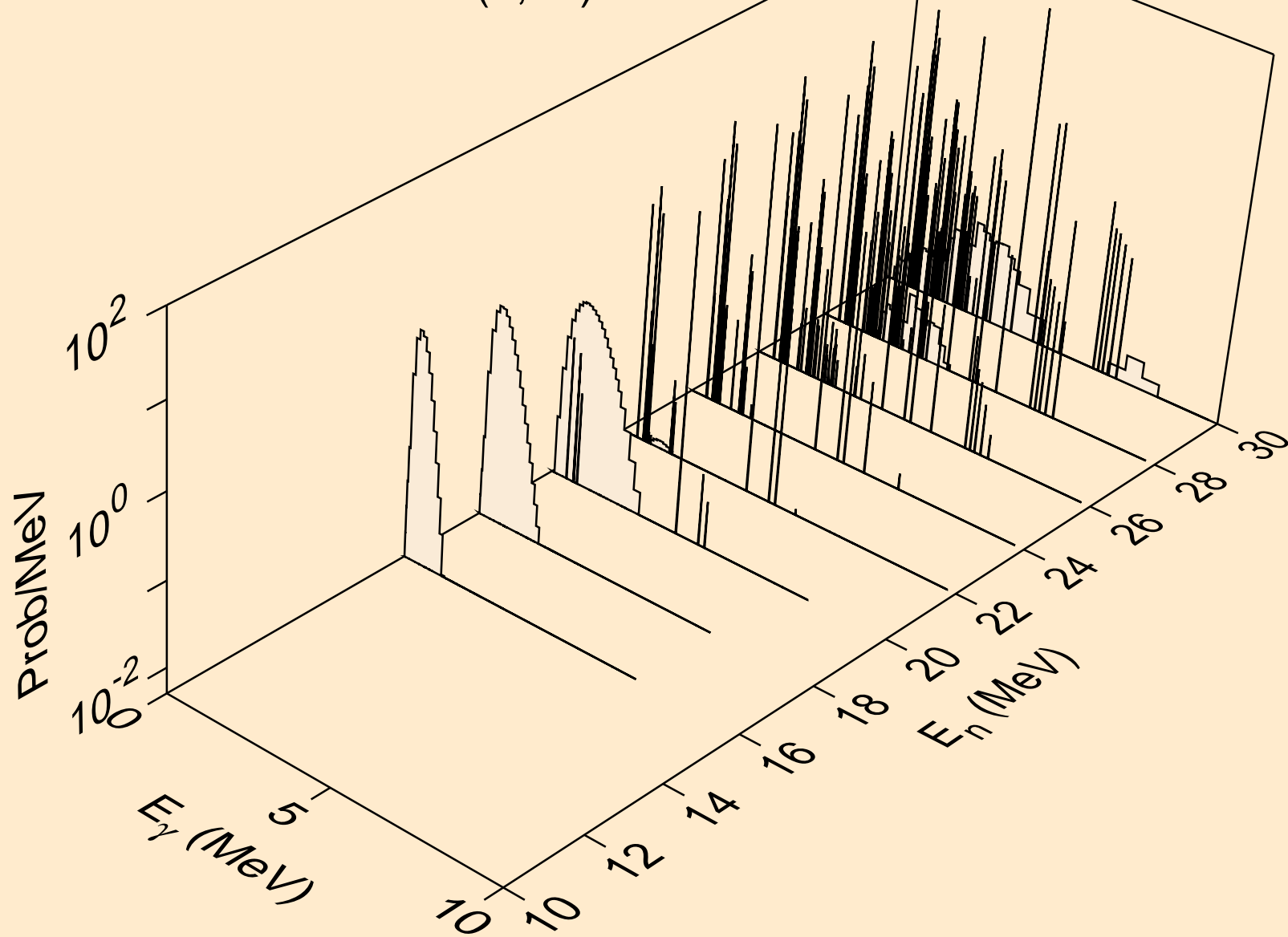




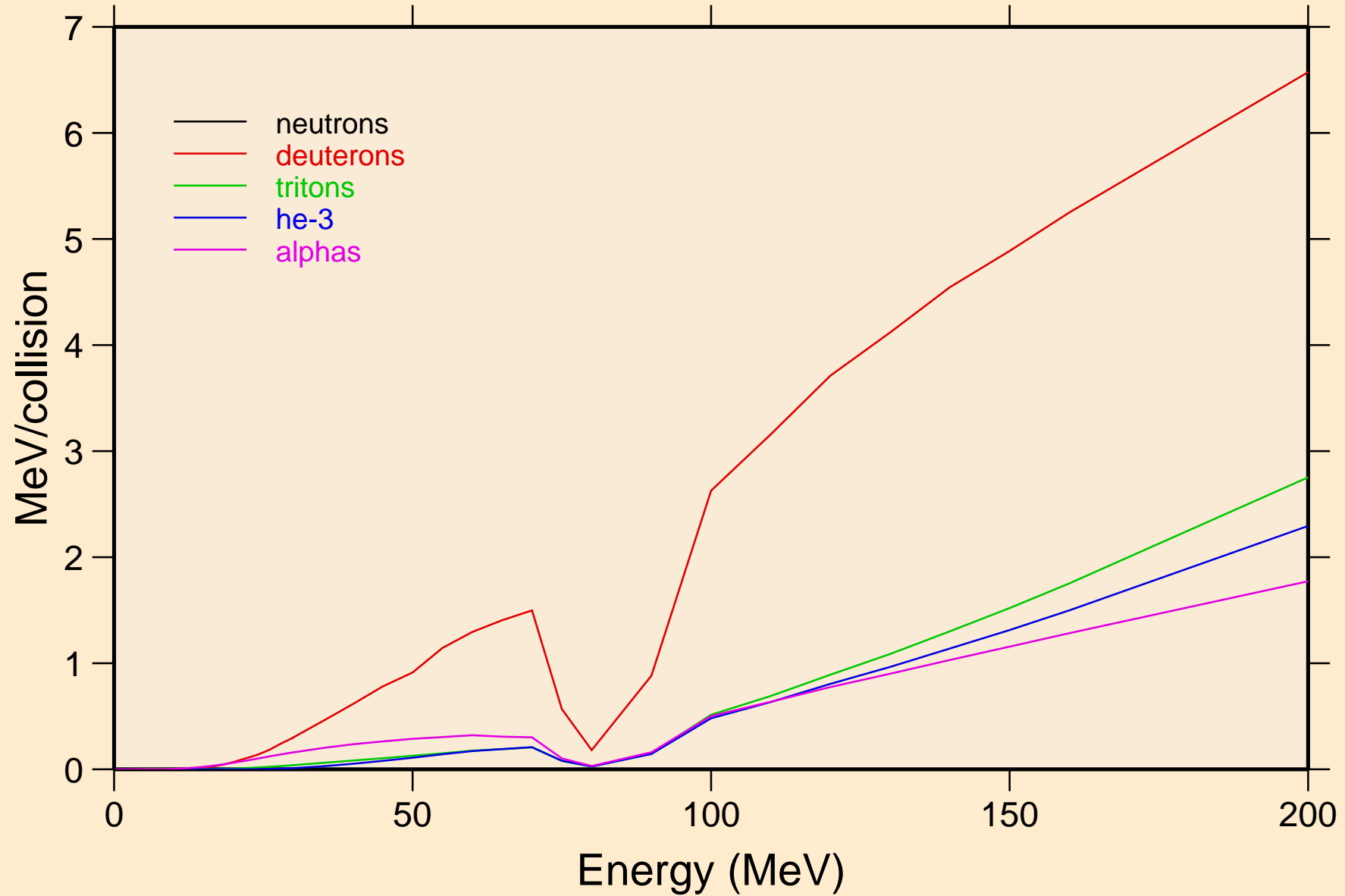
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)

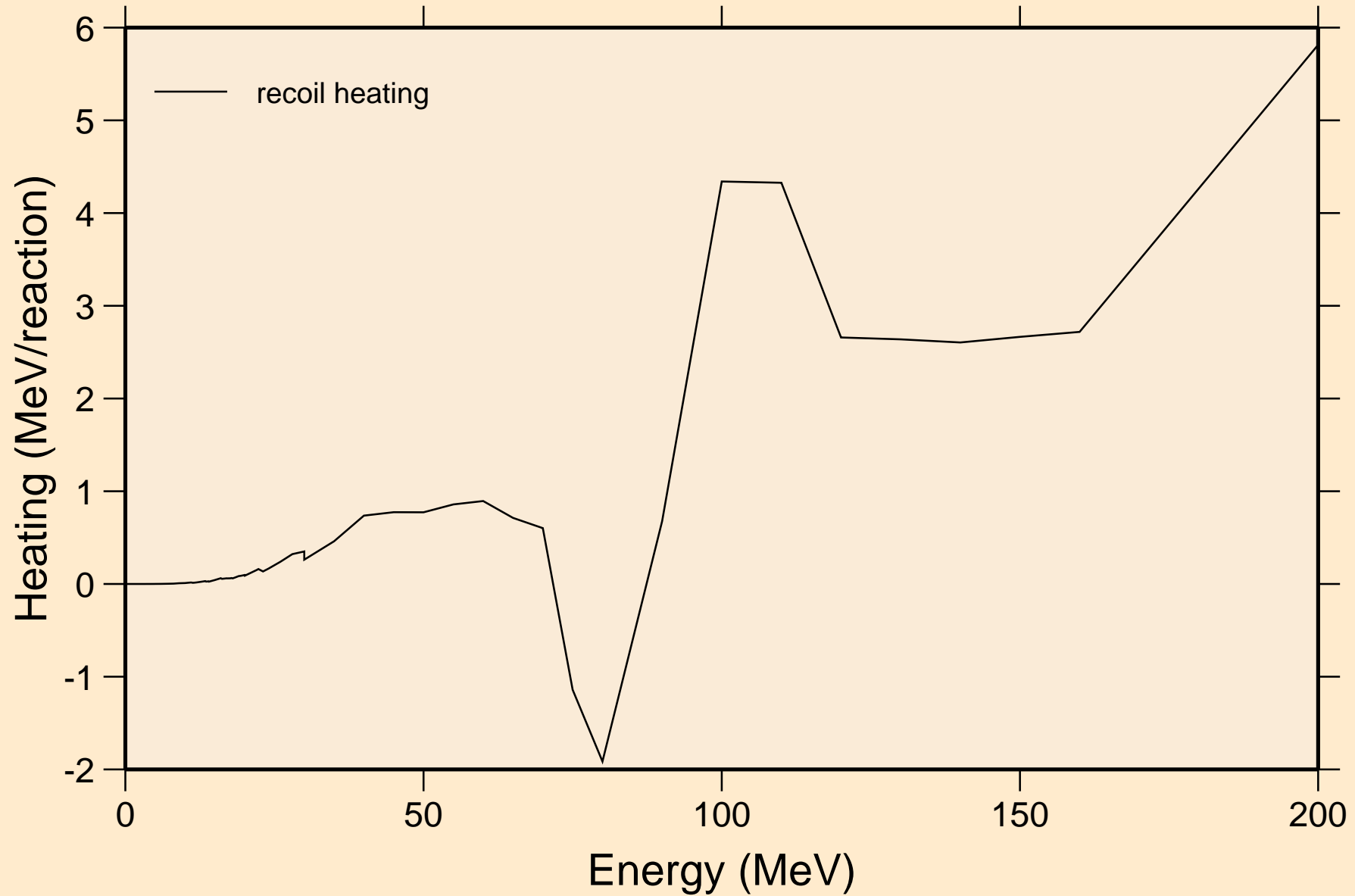


TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions



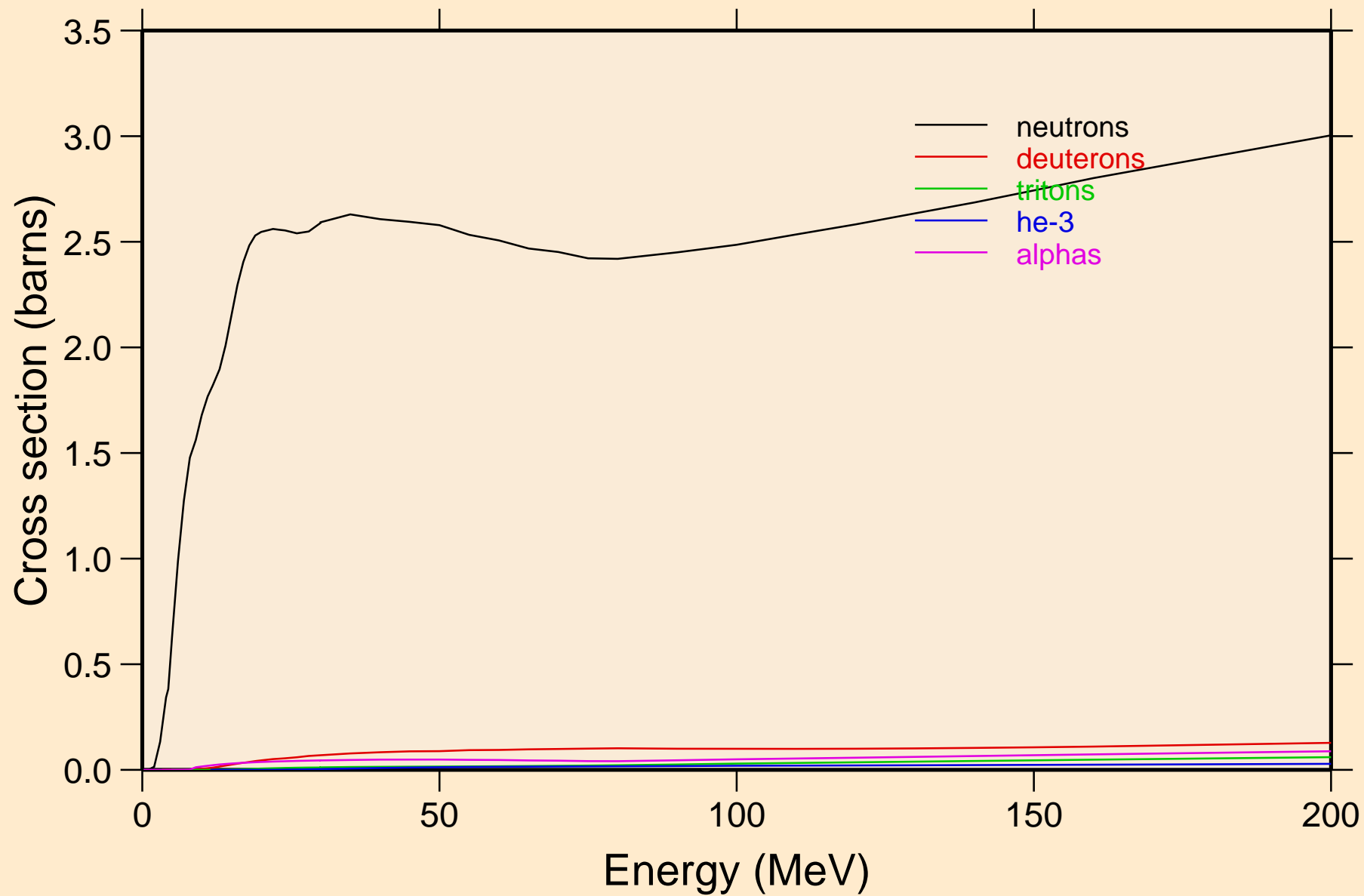
# TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Recoil Heating

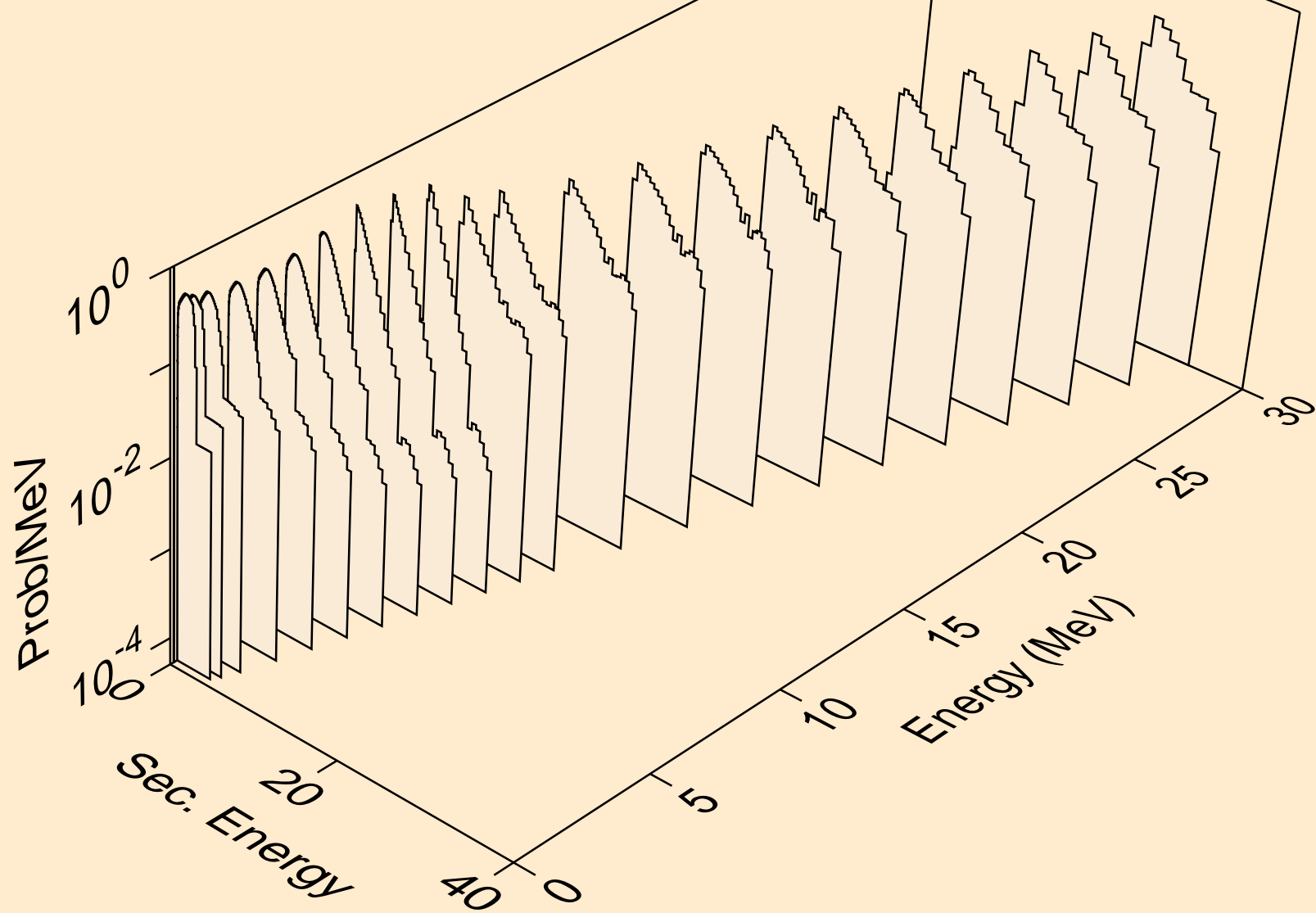


# TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K

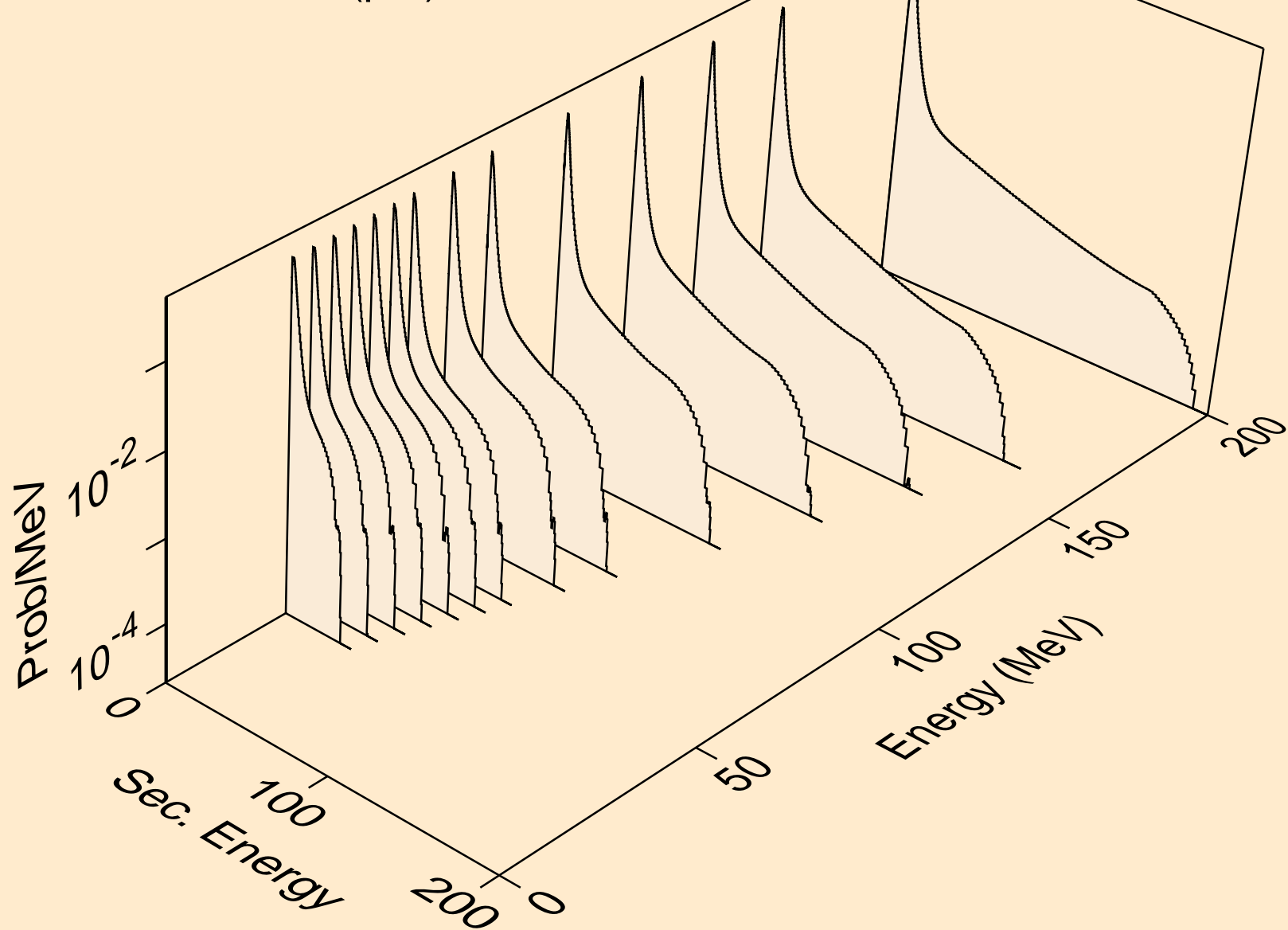
## Particle production cross sections



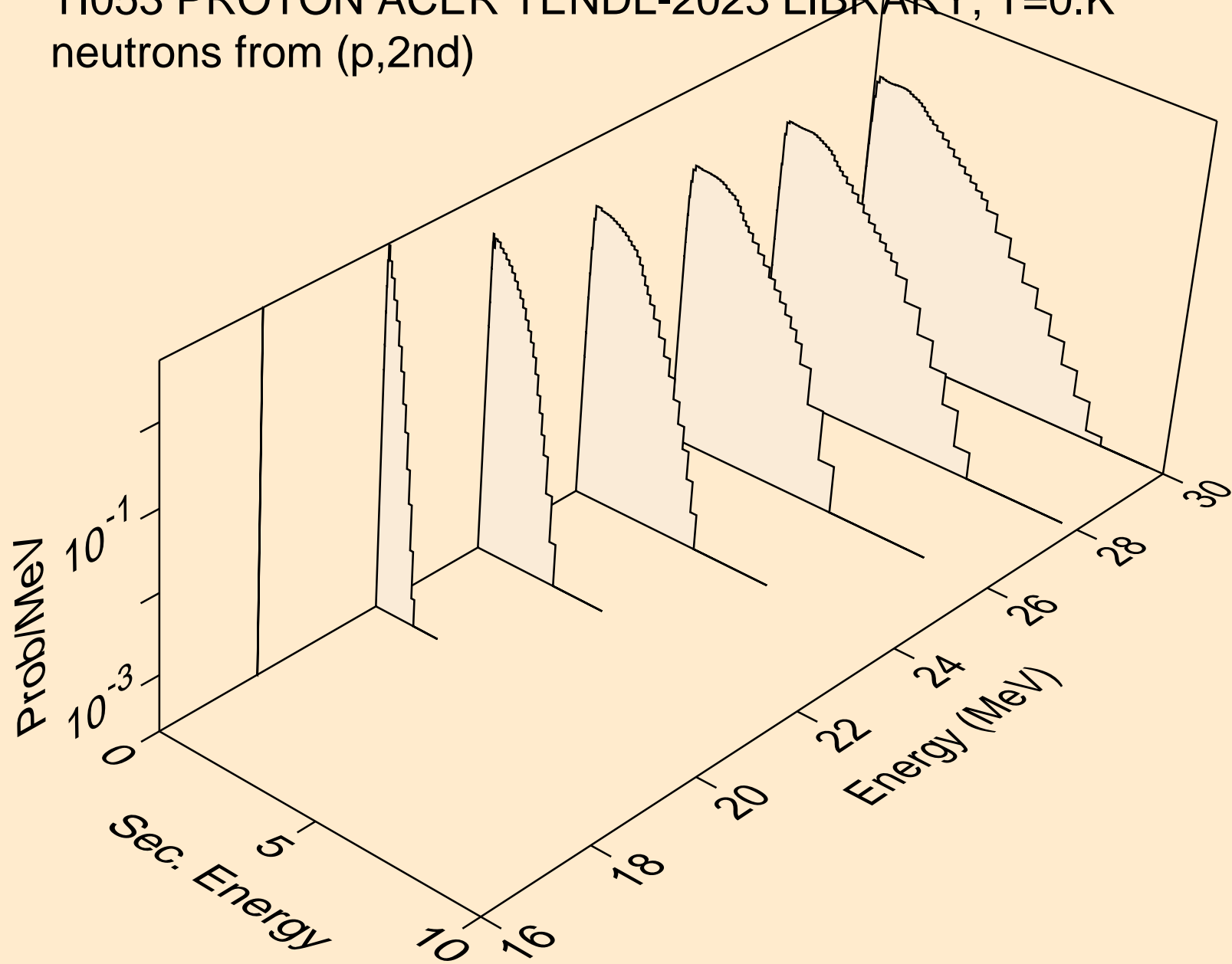
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)



TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,x)

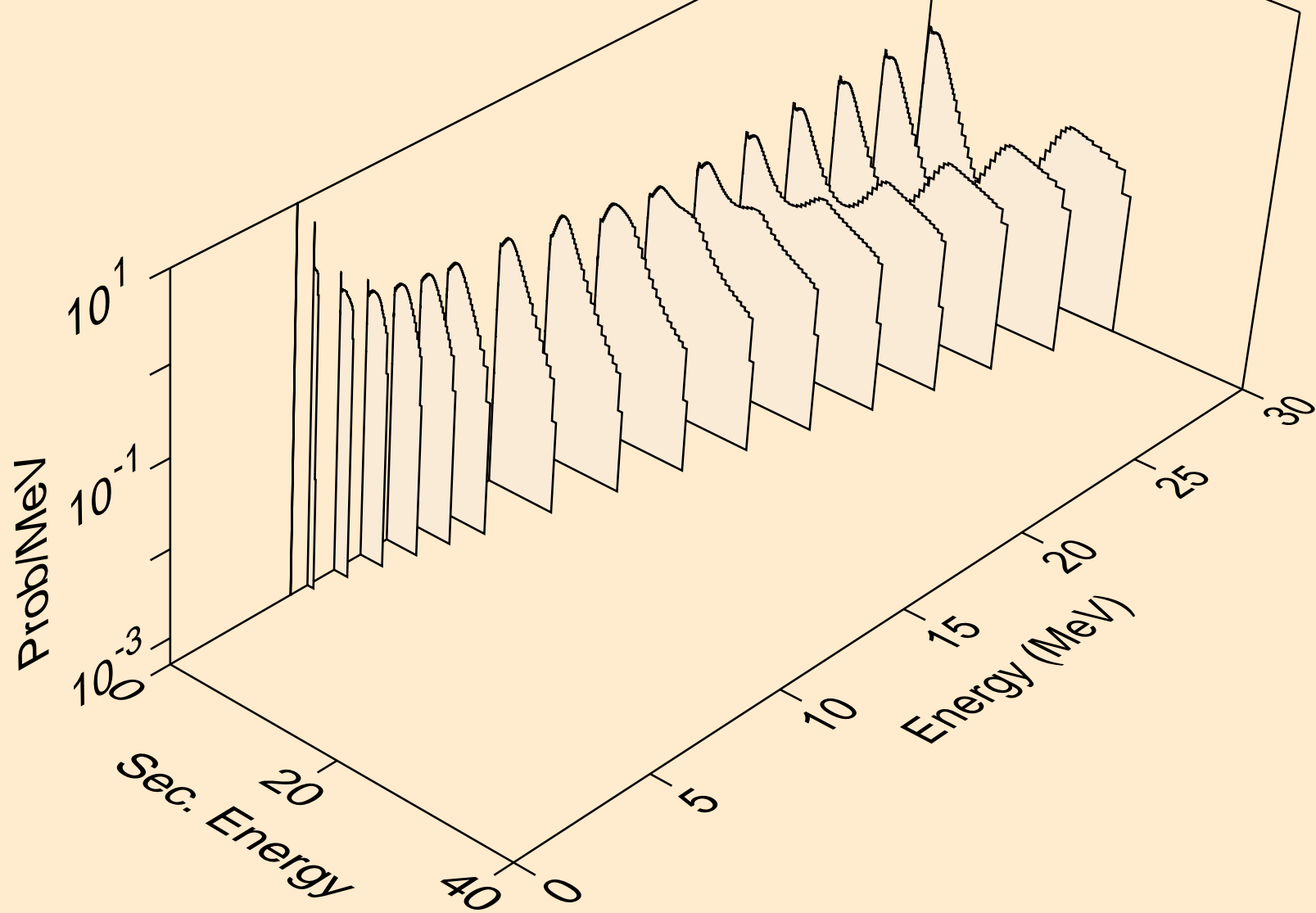


TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2nd)

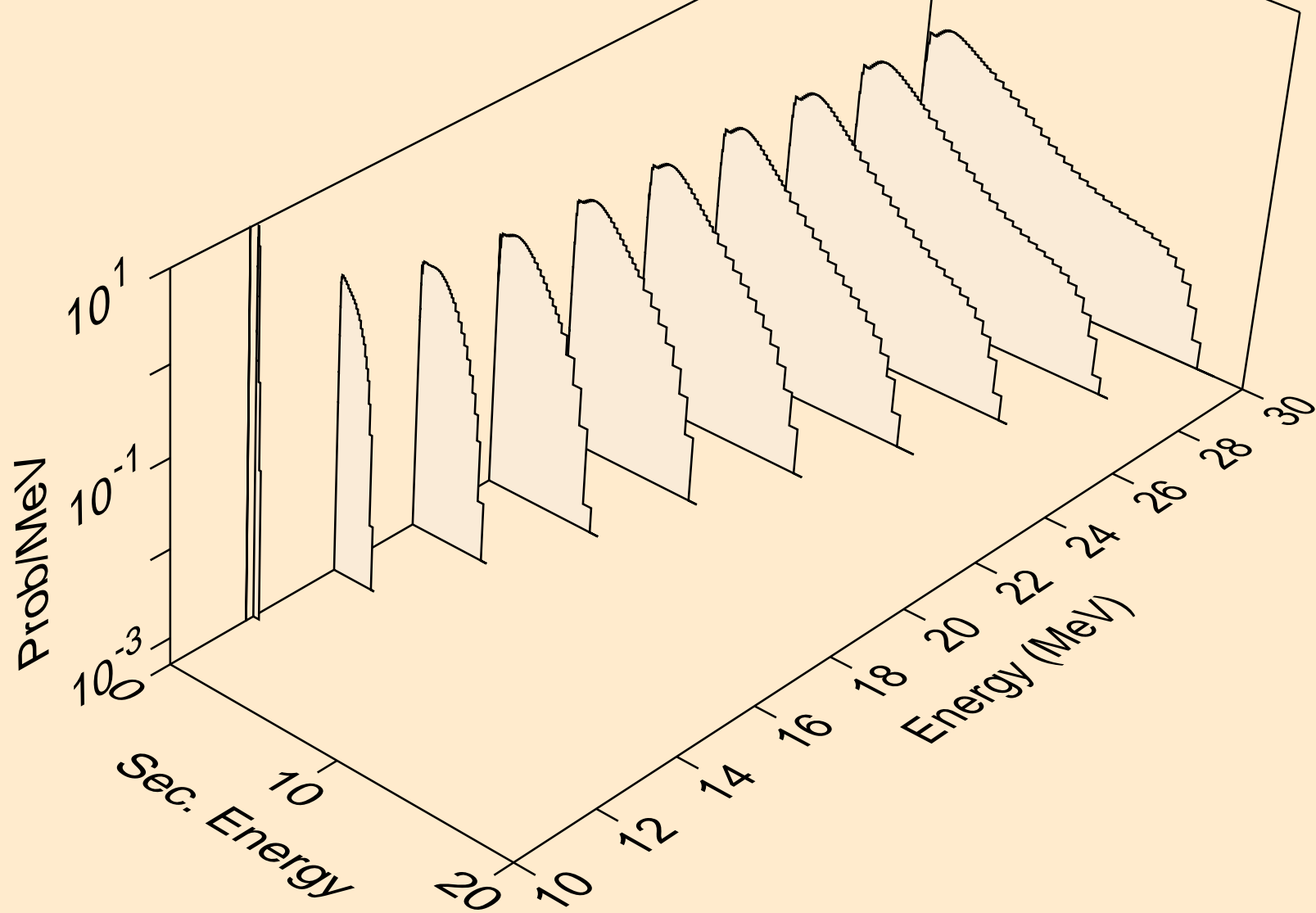




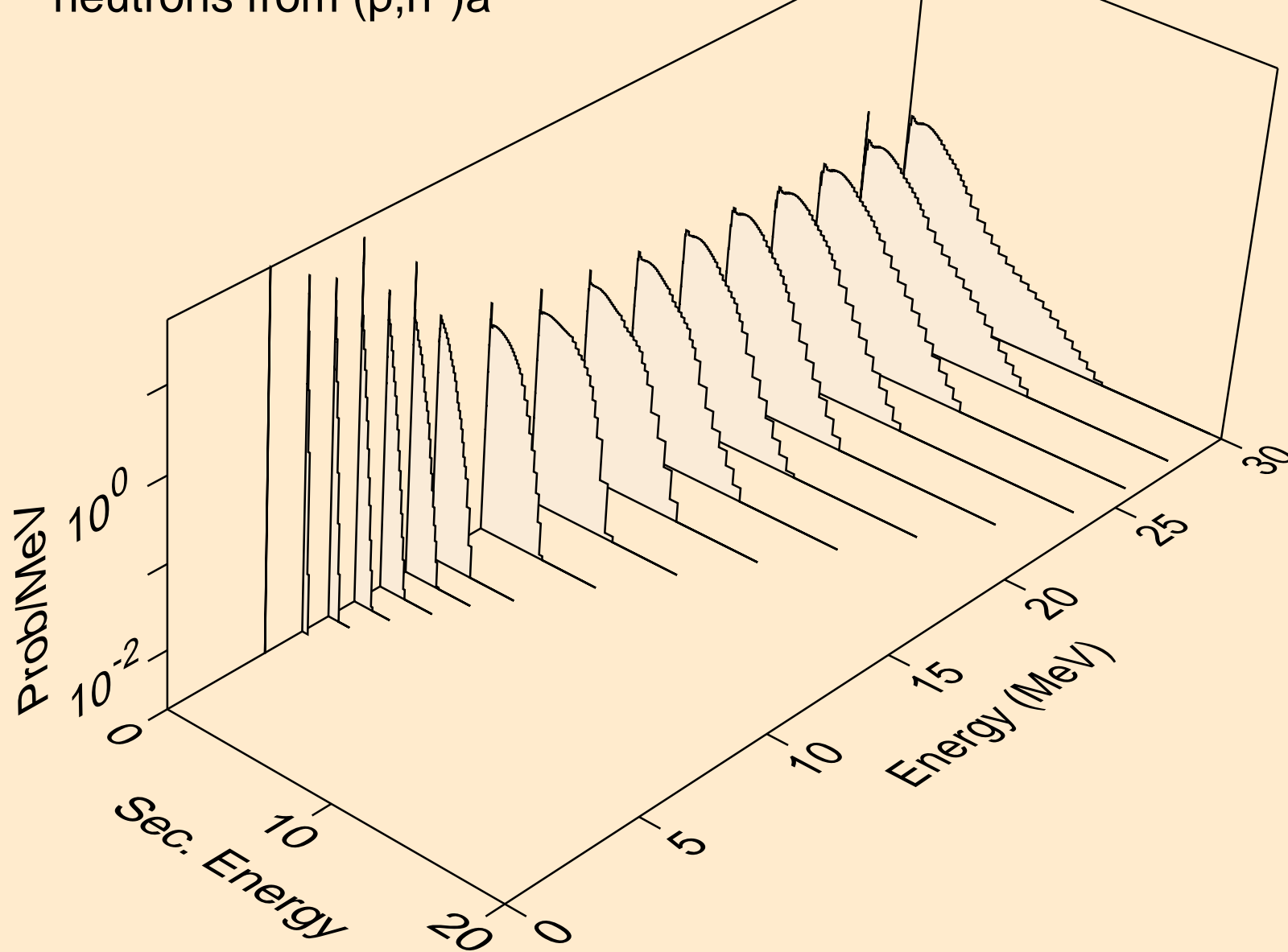
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neutrons from (p,2n)



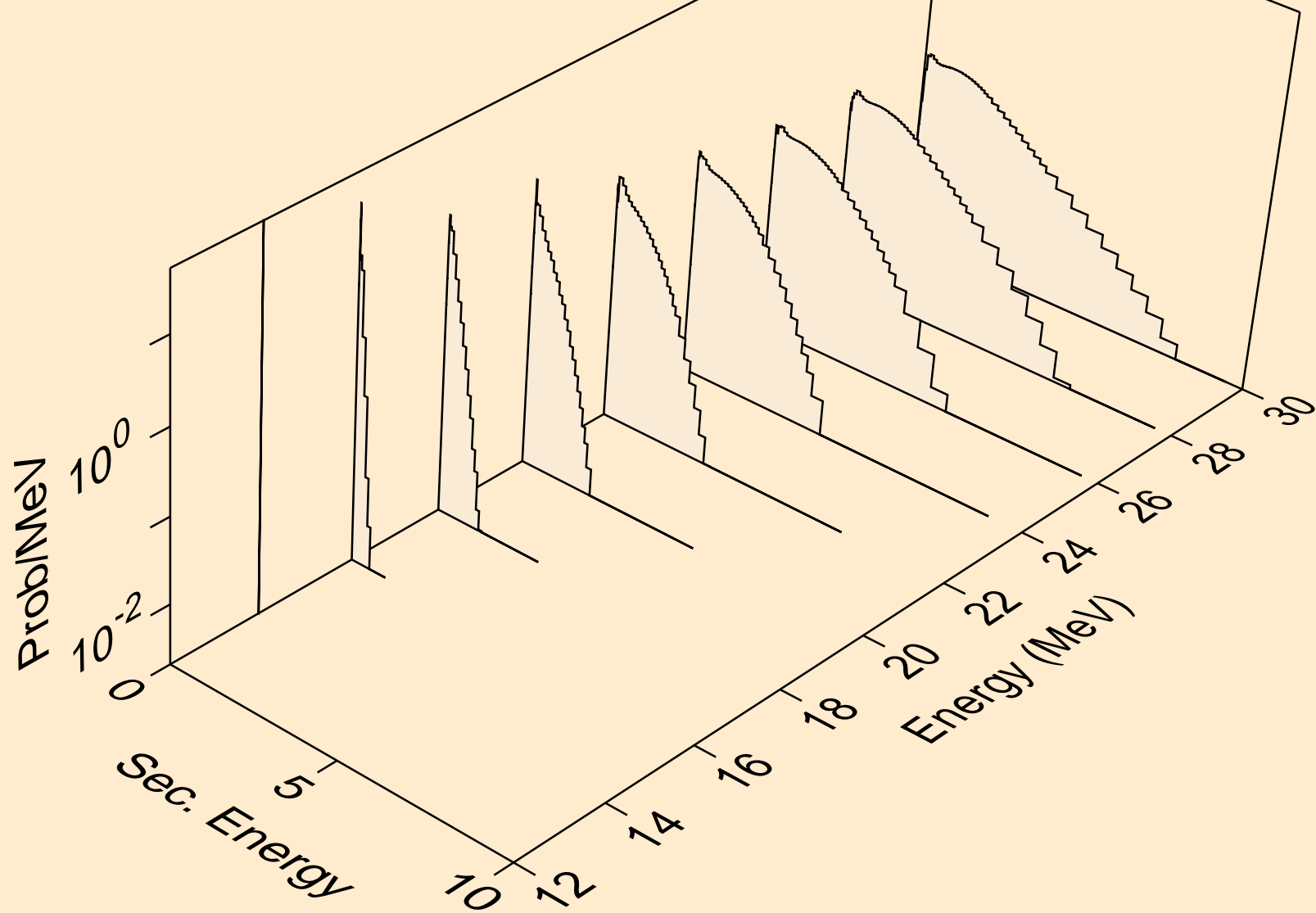
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neutrons from (p,3n)



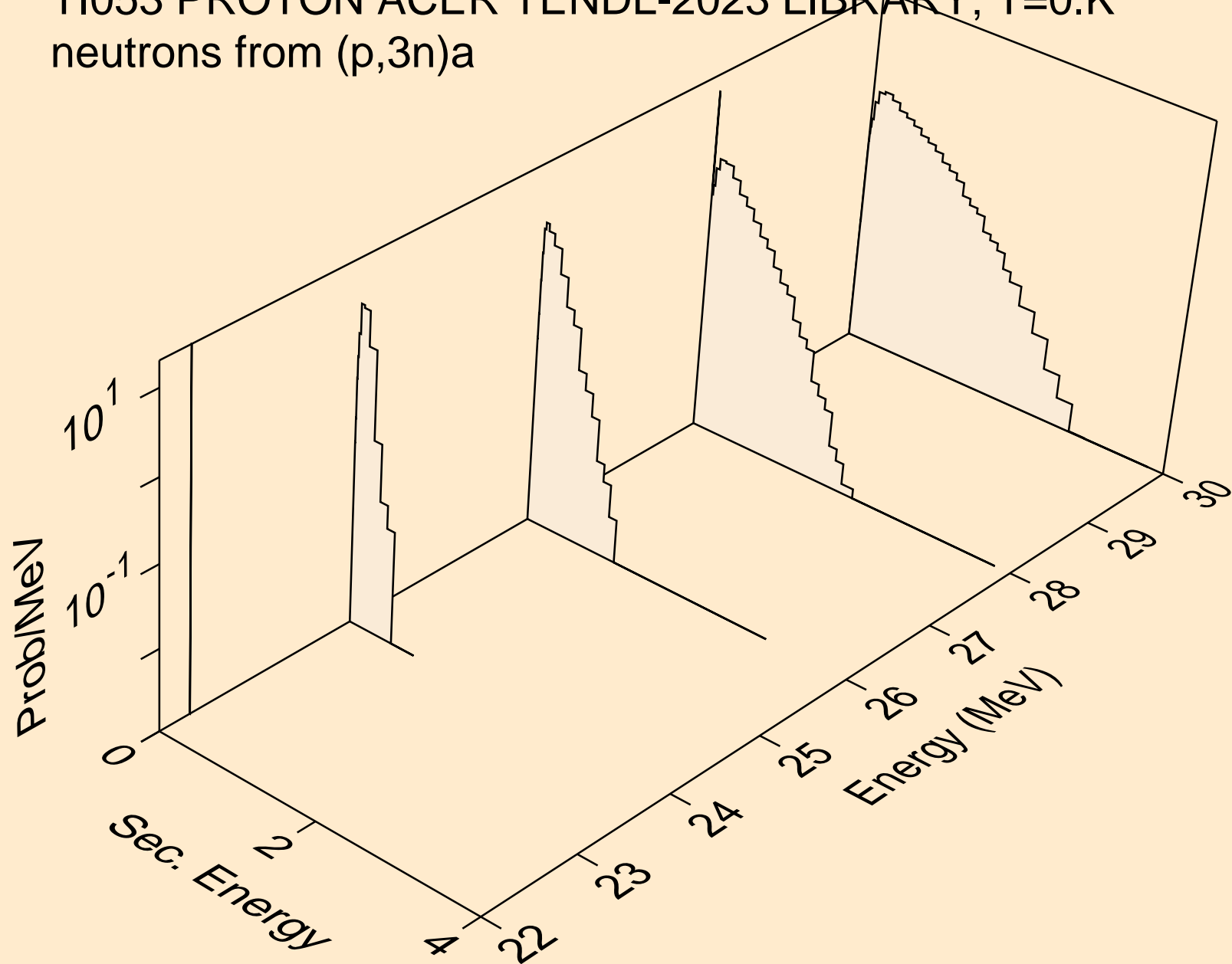
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)a



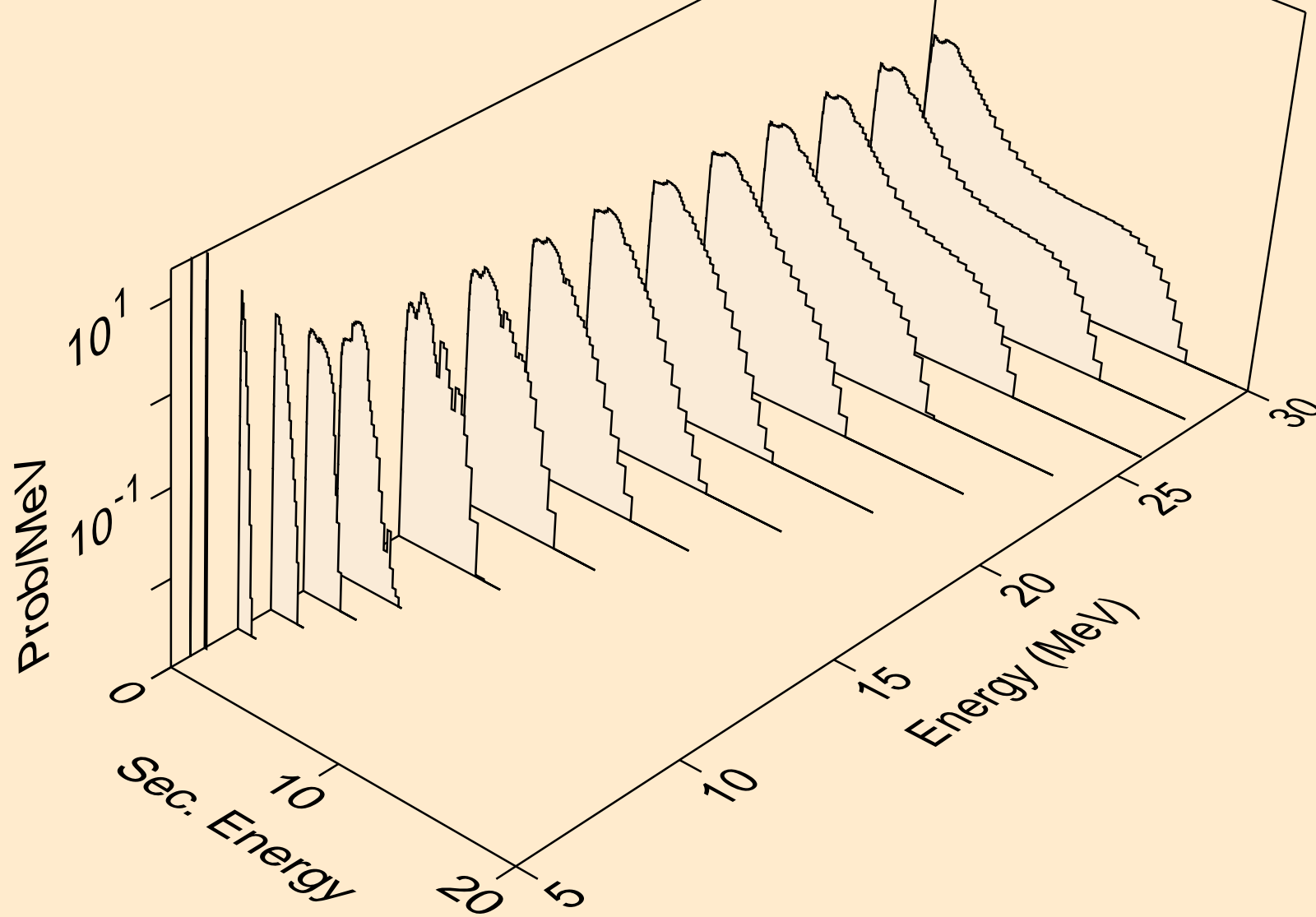
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neutrons from (p,2n)a



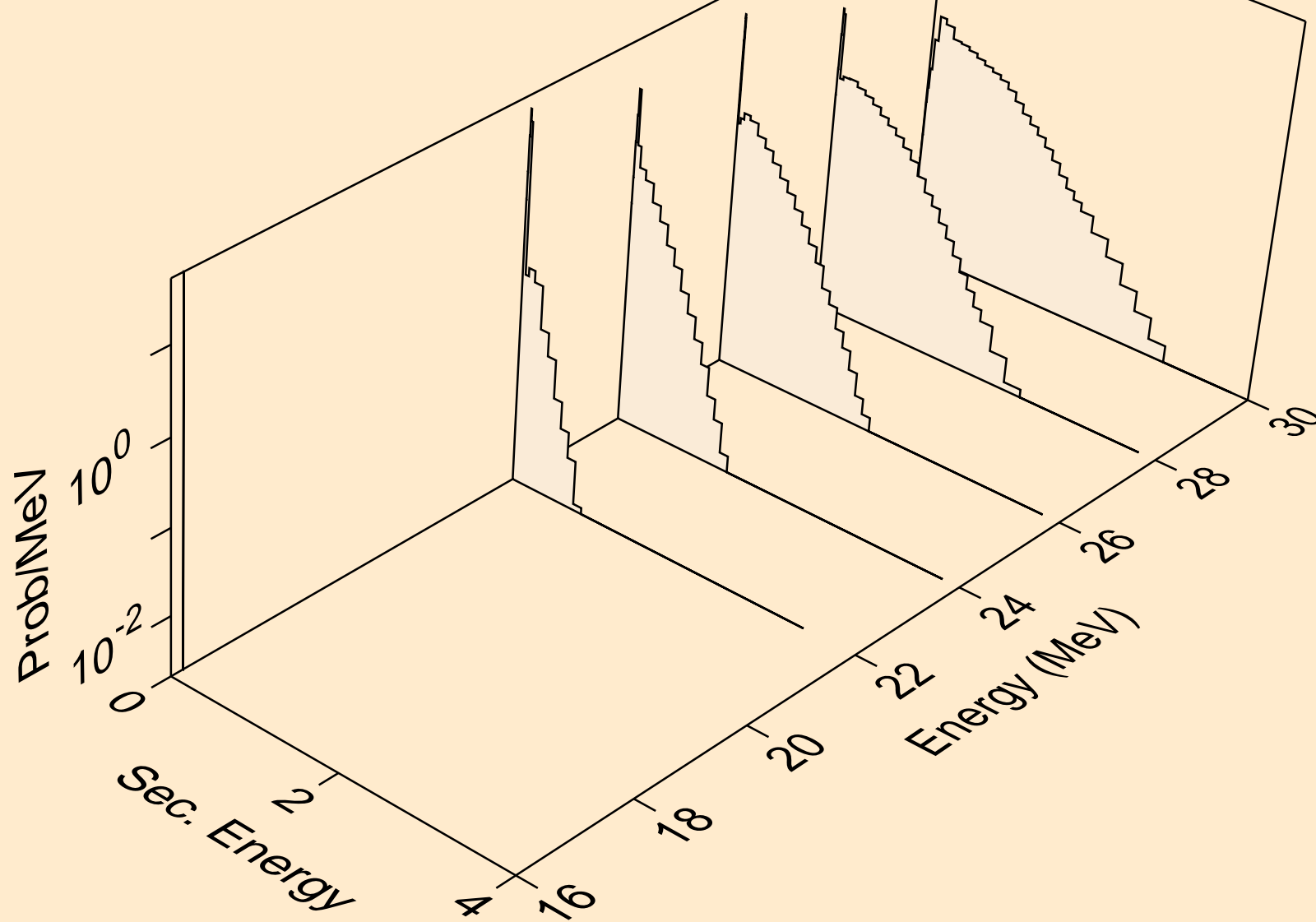
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neutrons from (p,3n)a



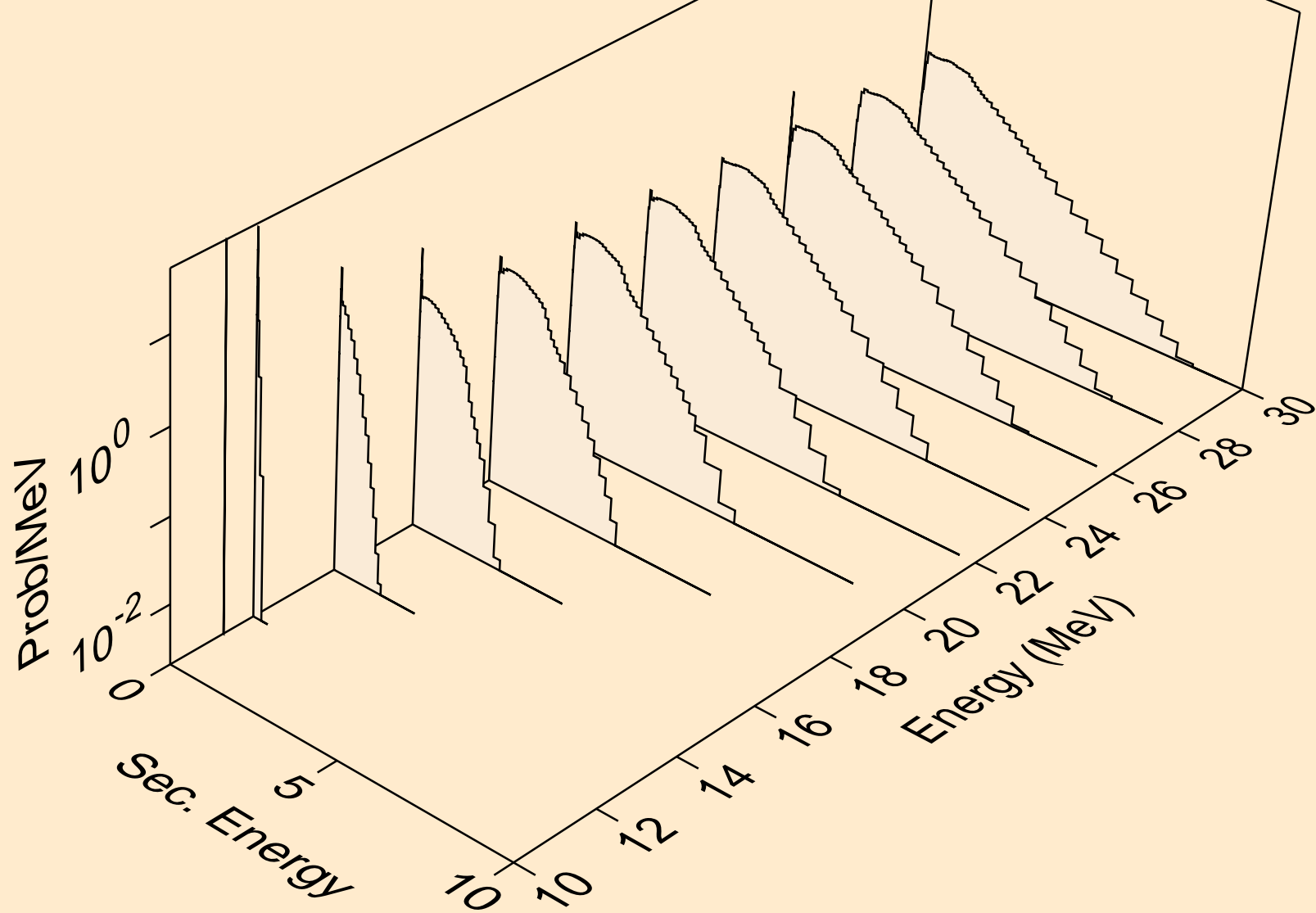
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)p



TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)2a

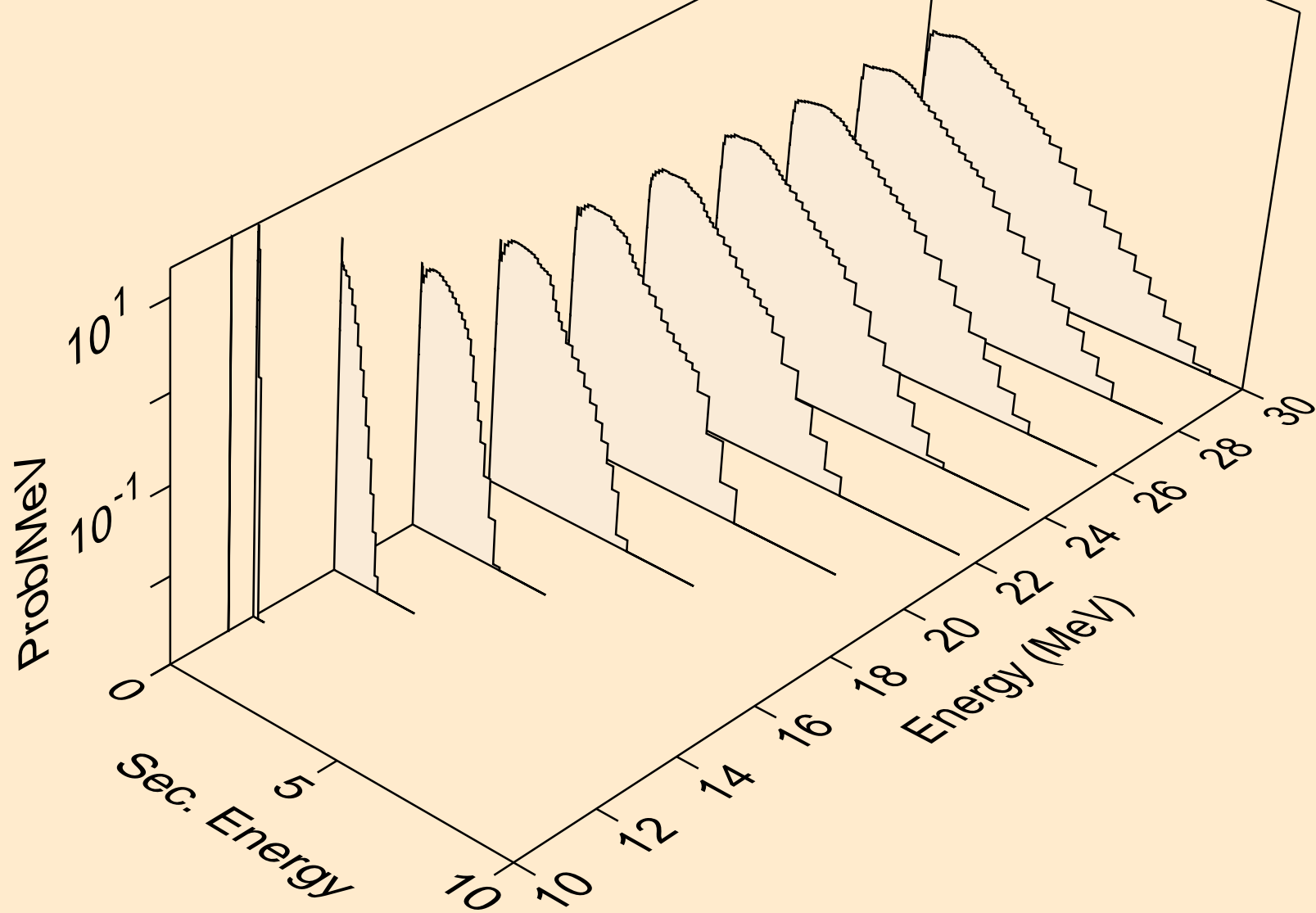


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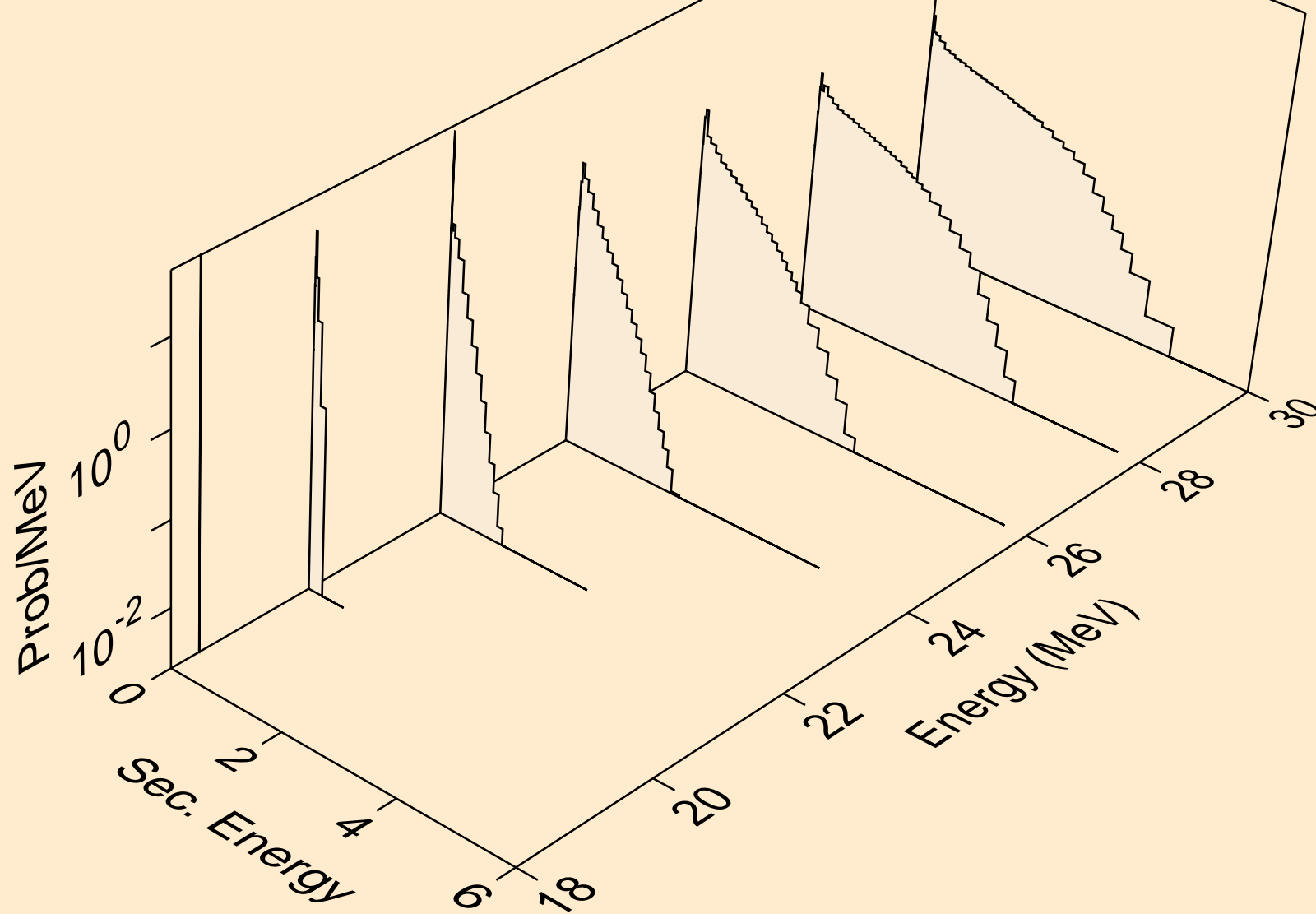




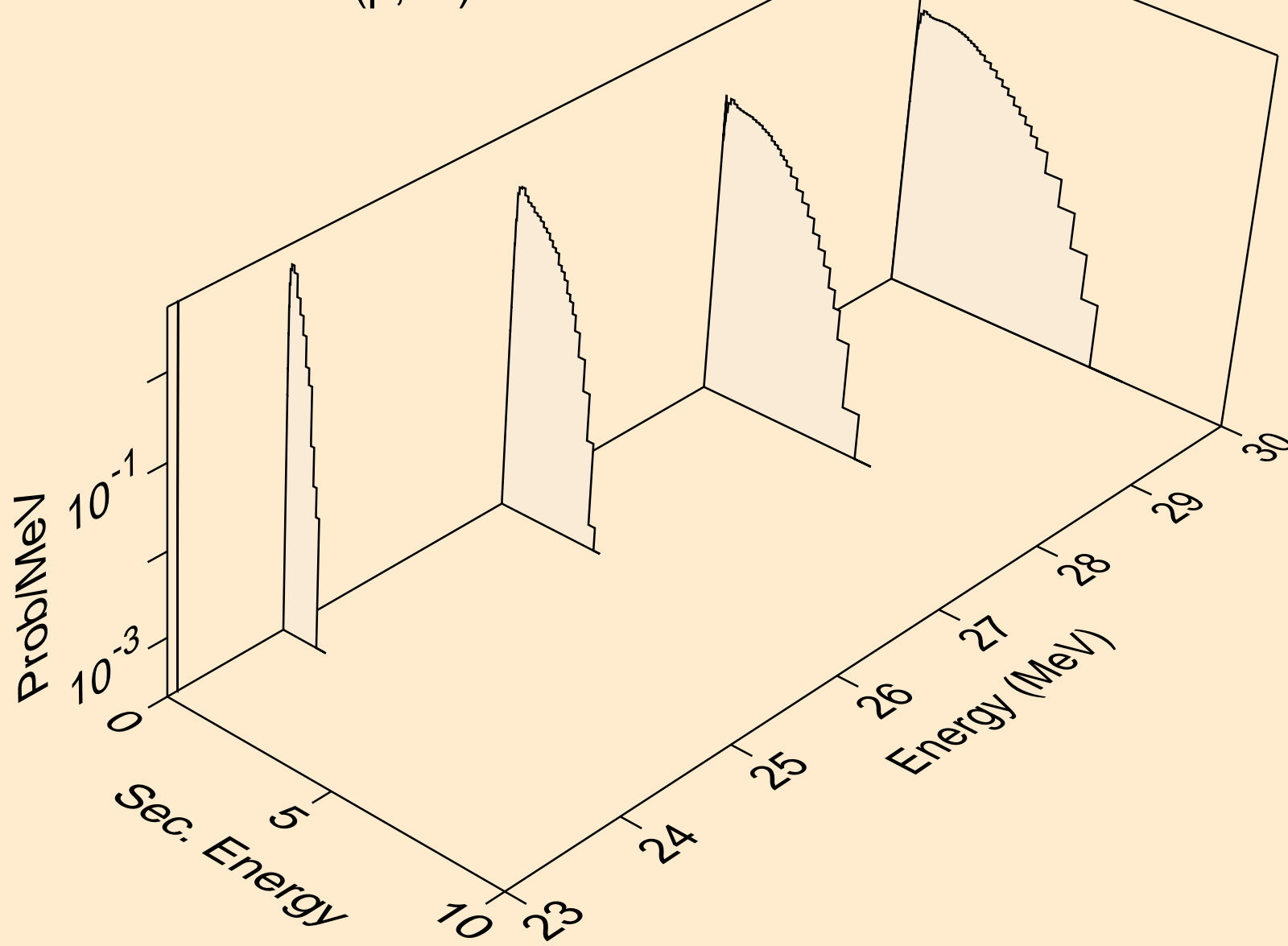
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neutrons from (p,n\*)t



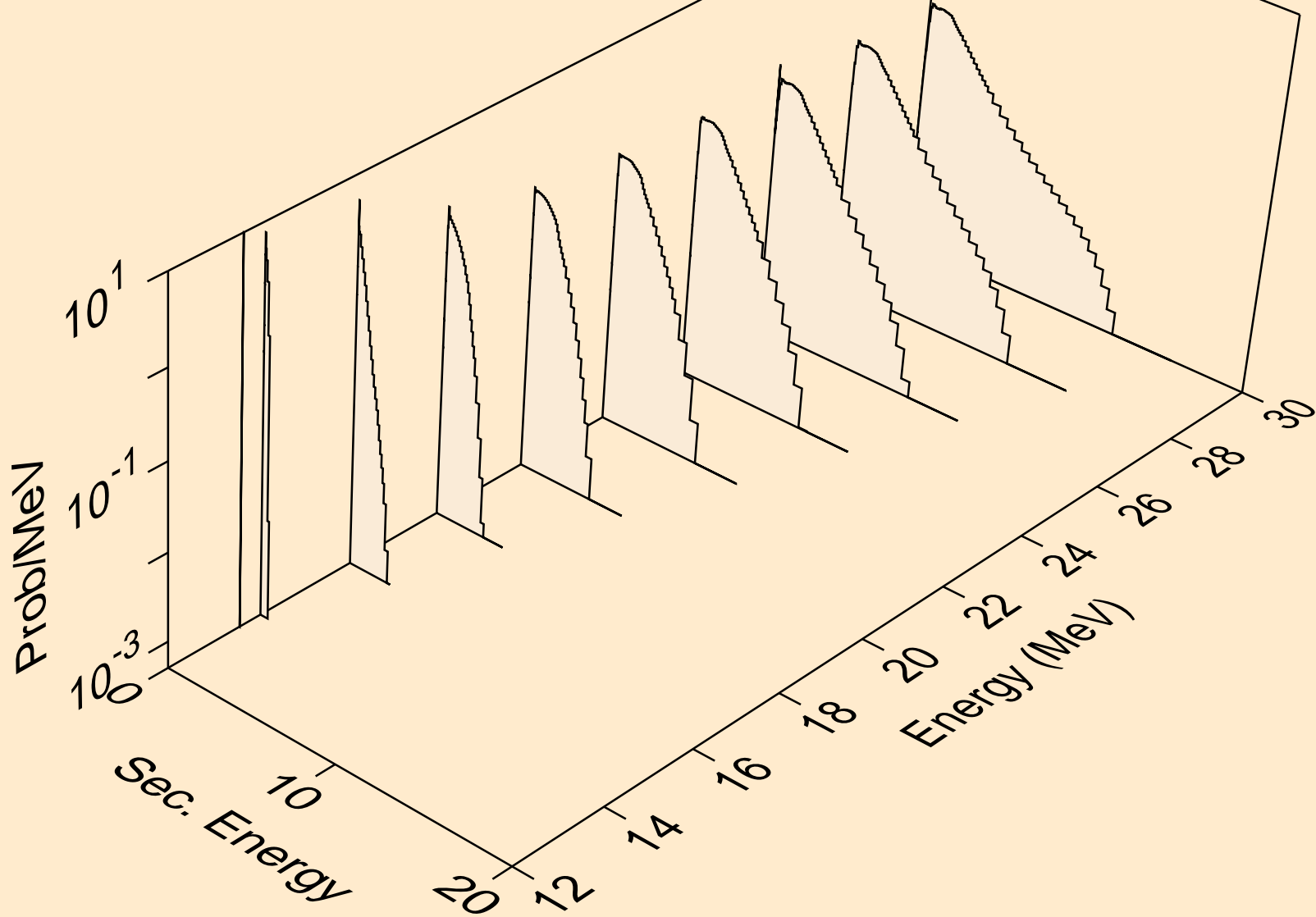
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



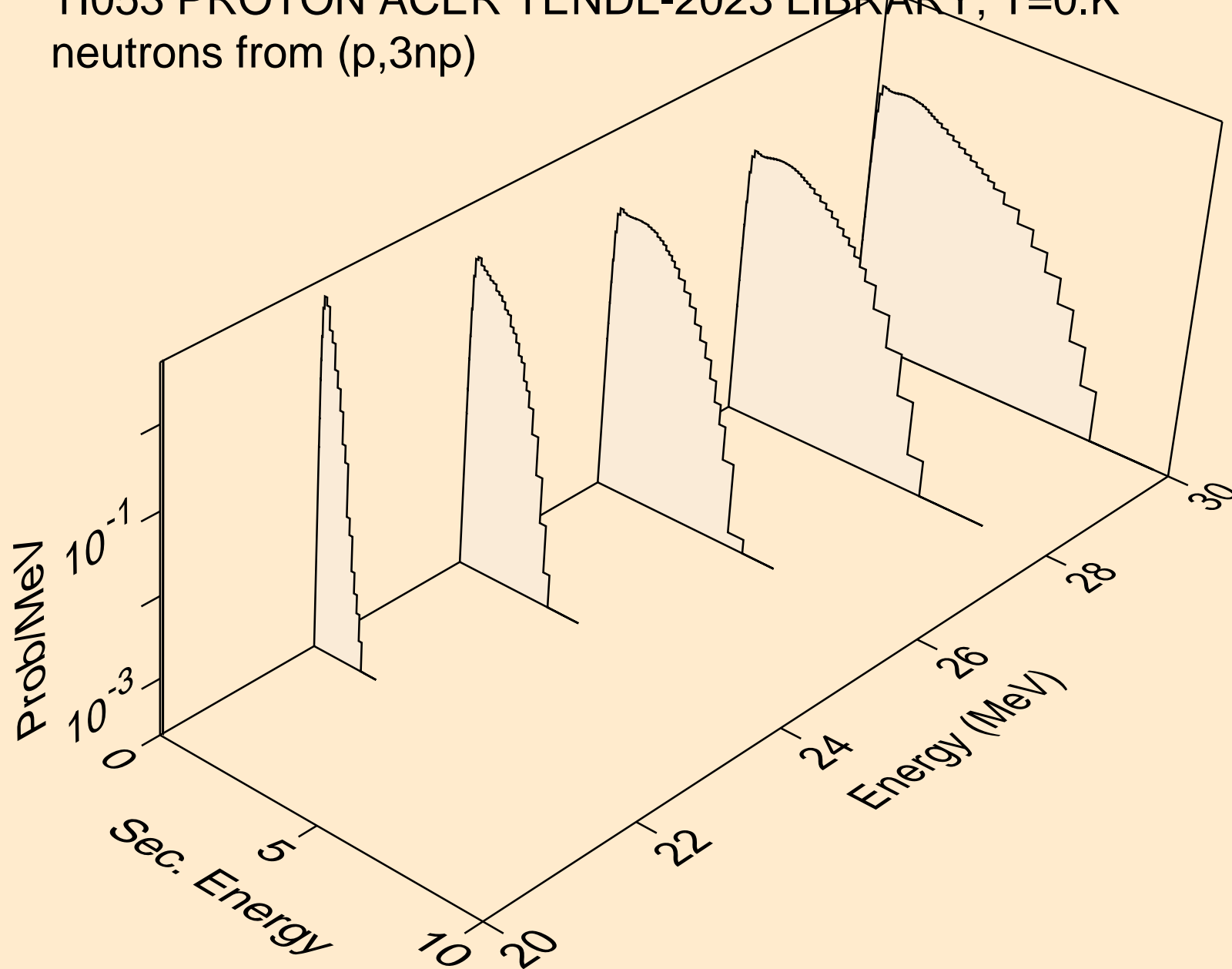
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,4n)



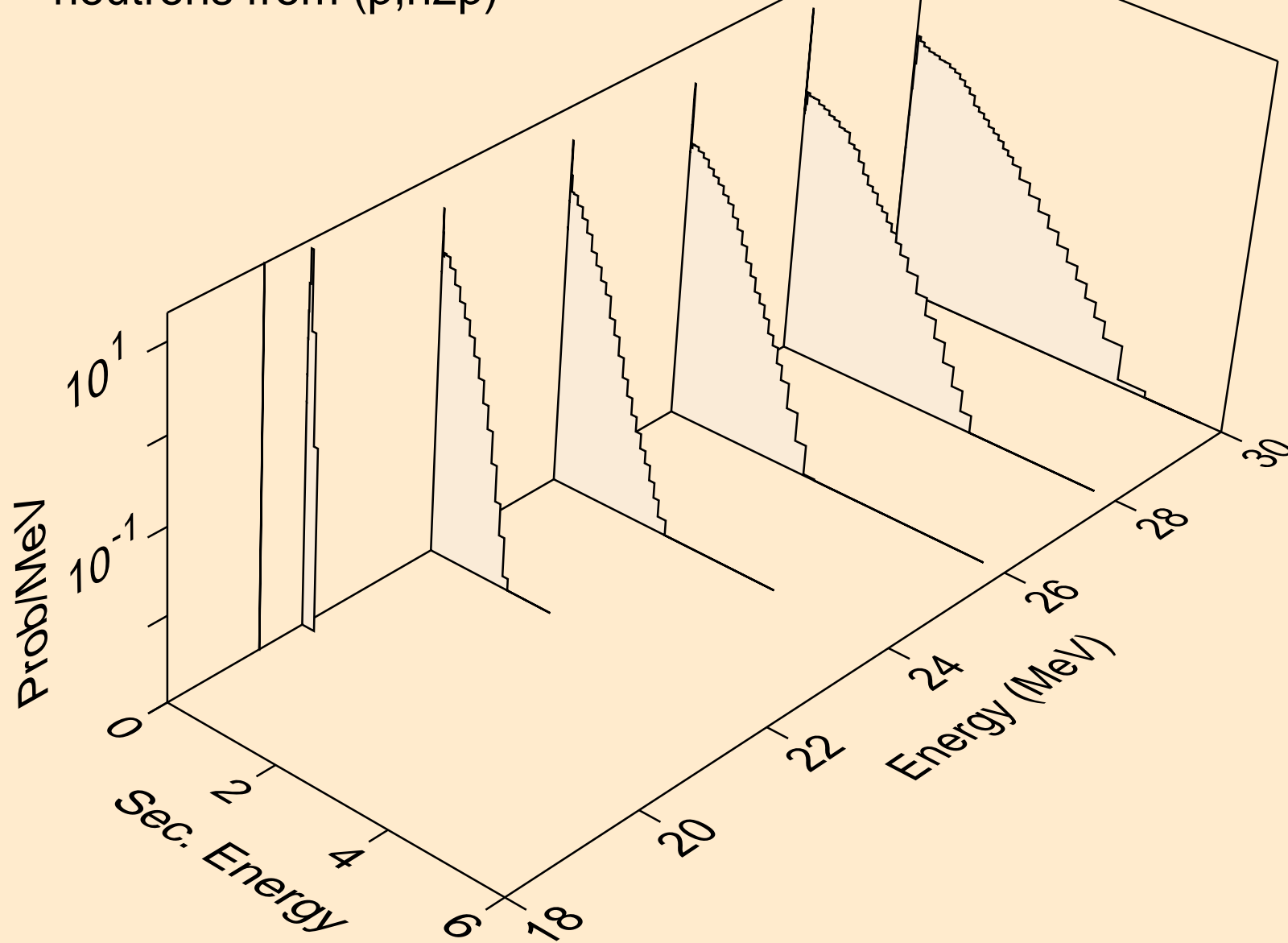
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2np)



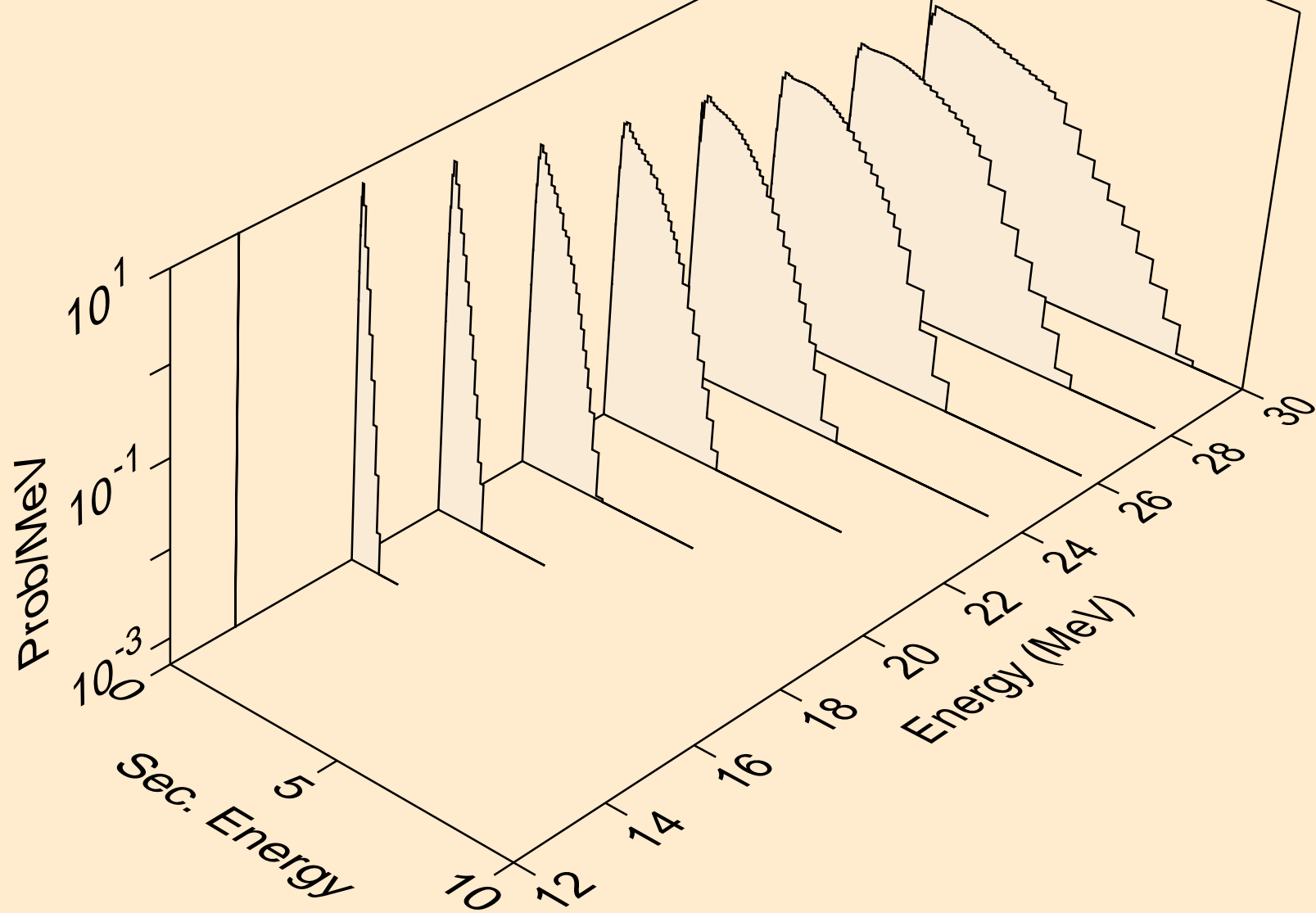
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3np)



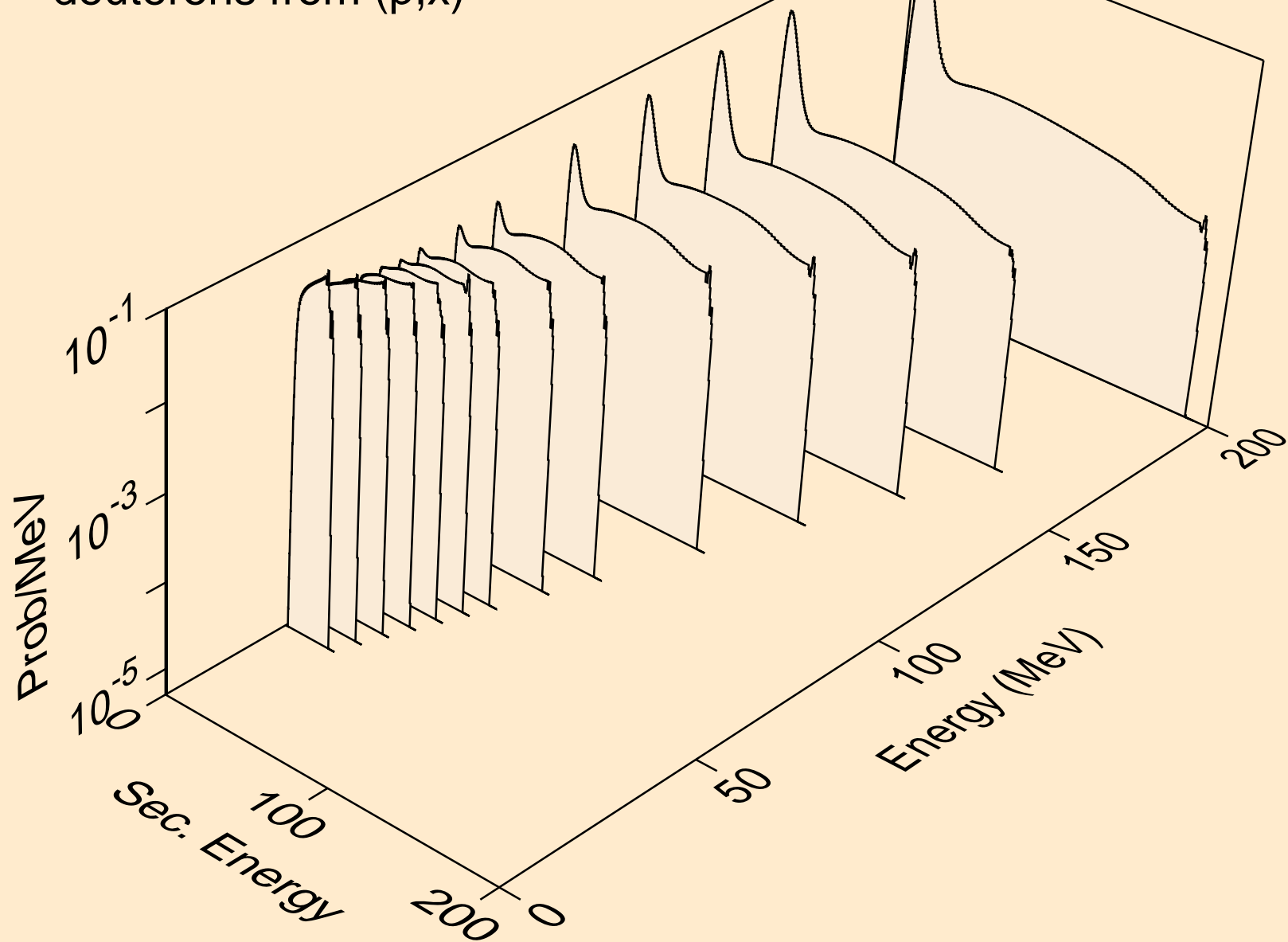
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n2p)



TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,npa)

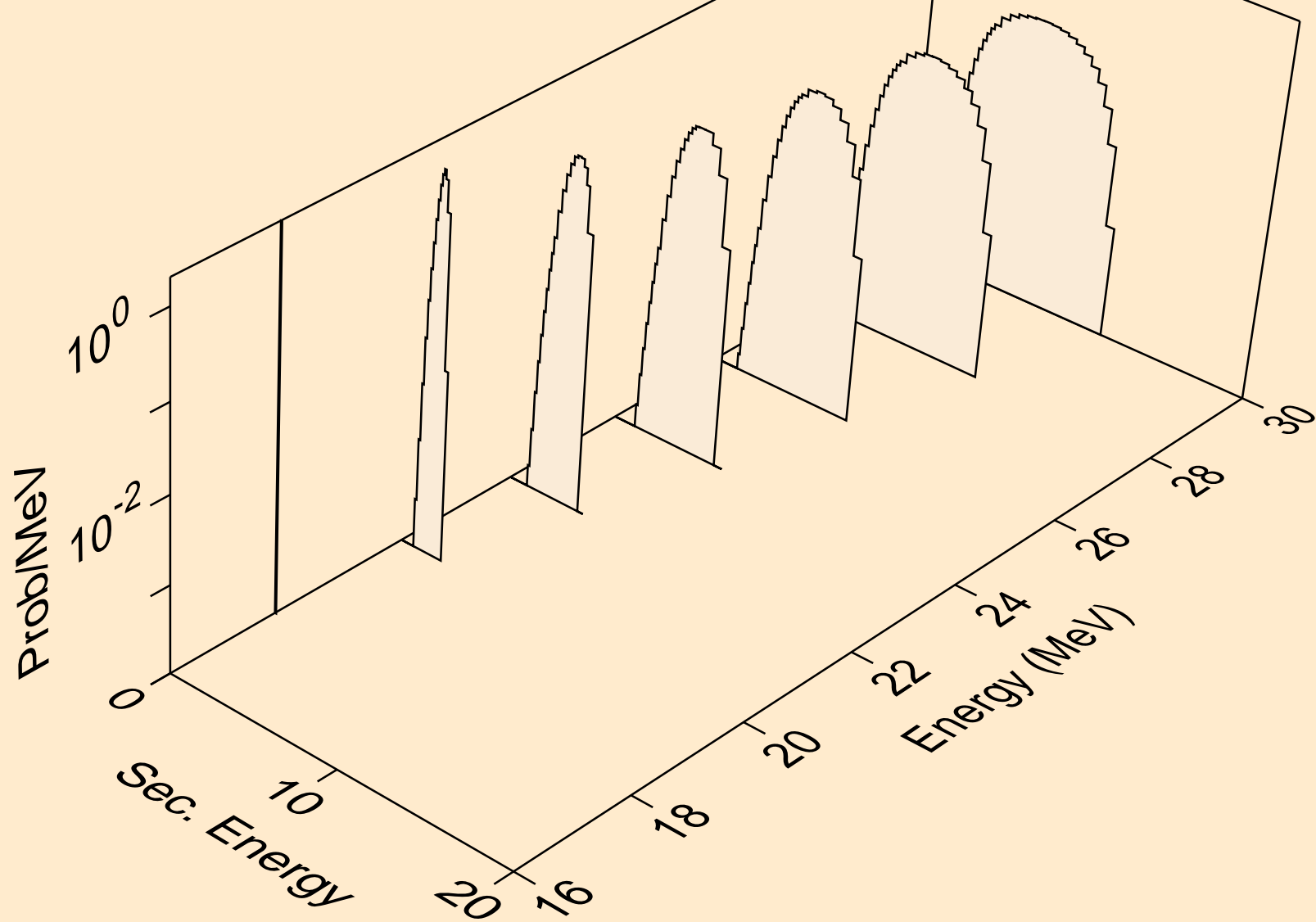


TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,x)

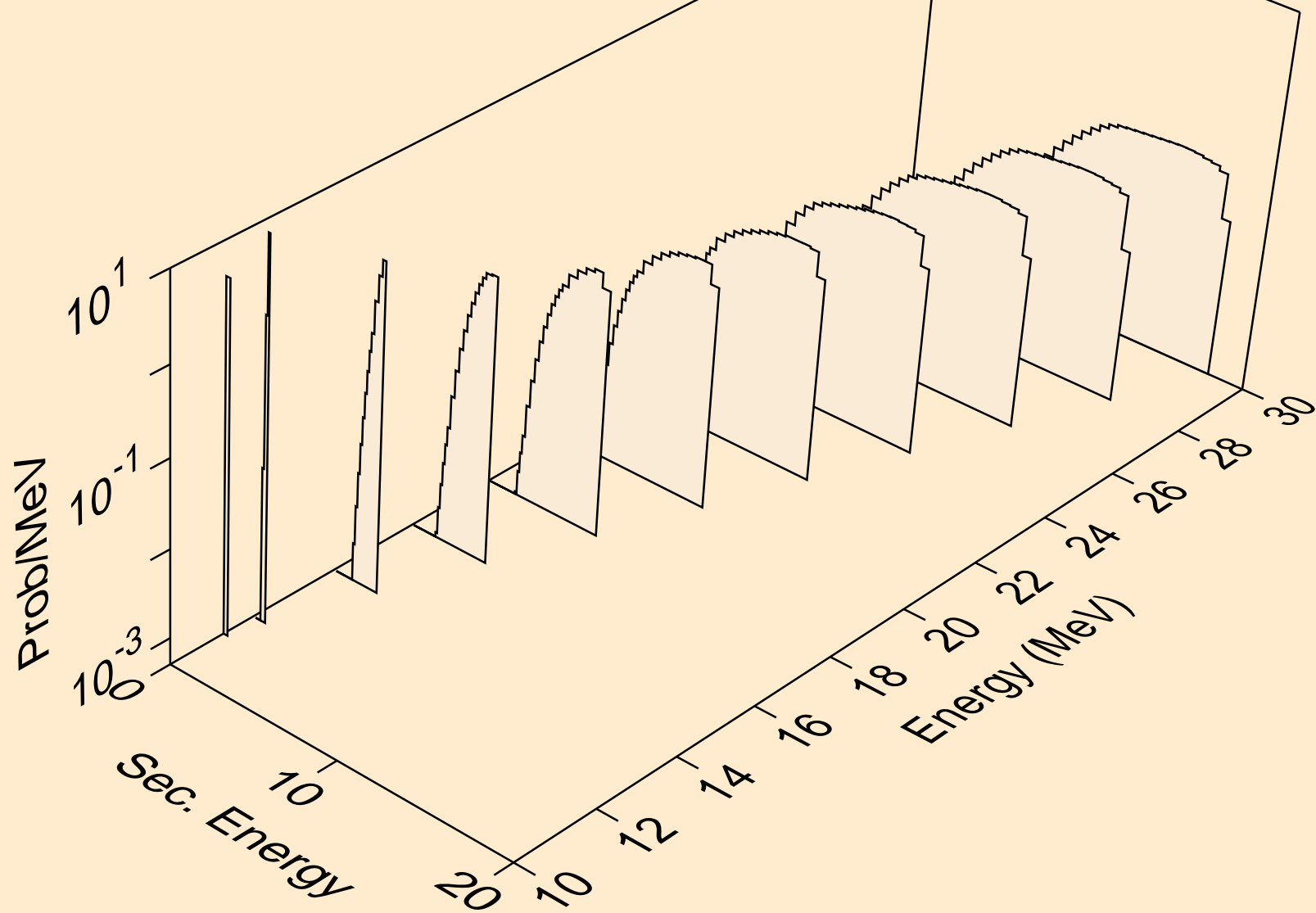




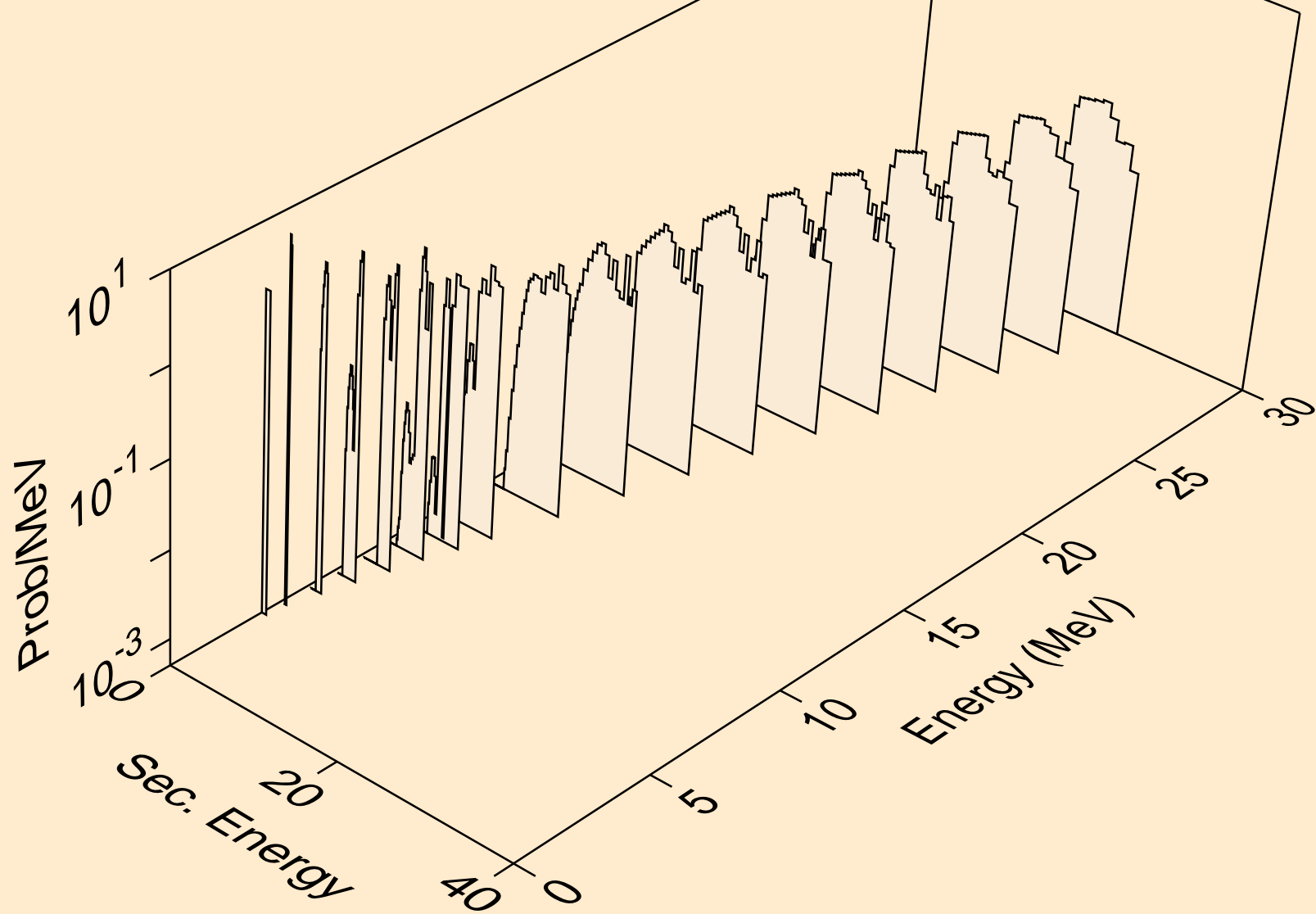
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,2nd)



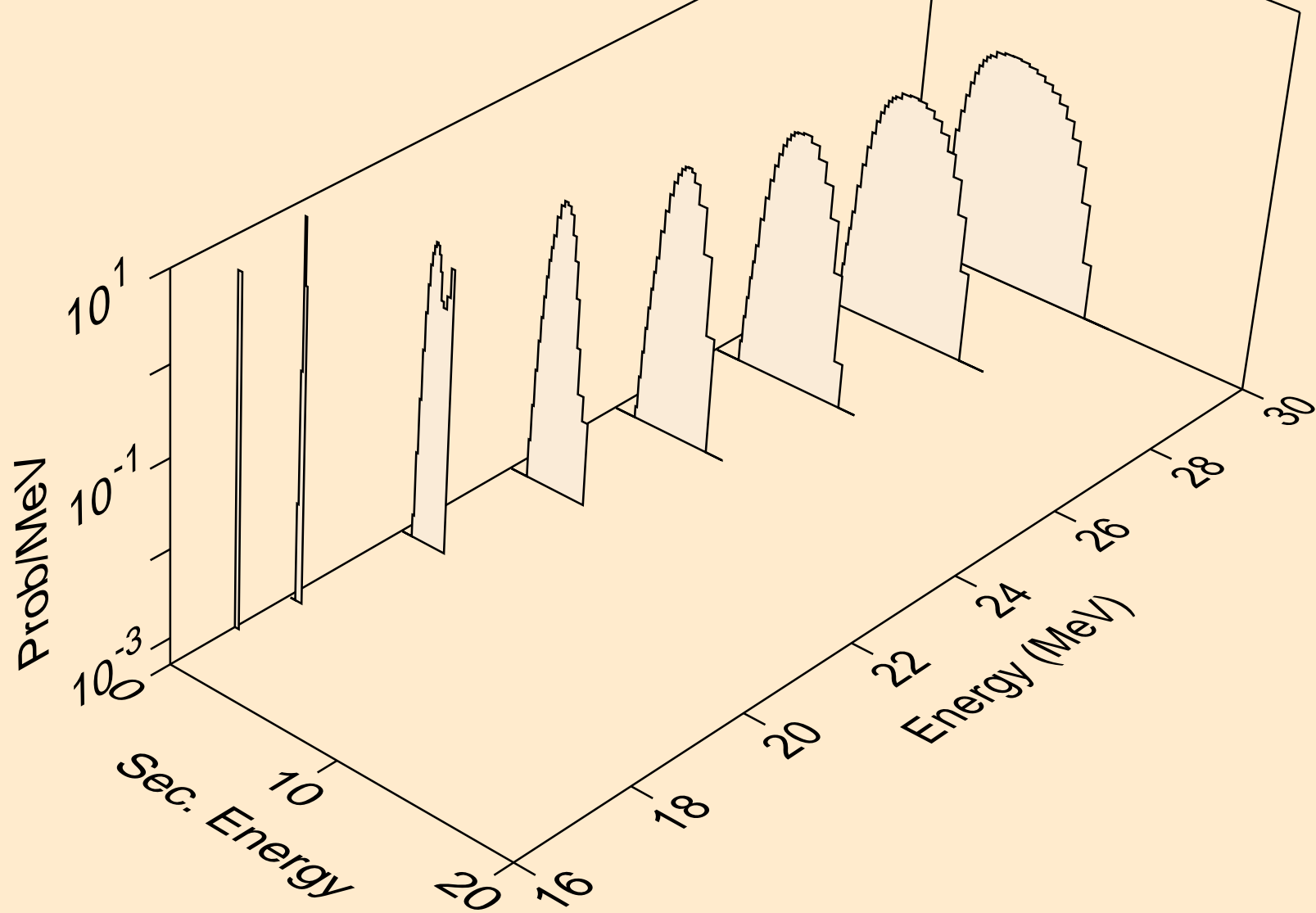
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,n\*)d



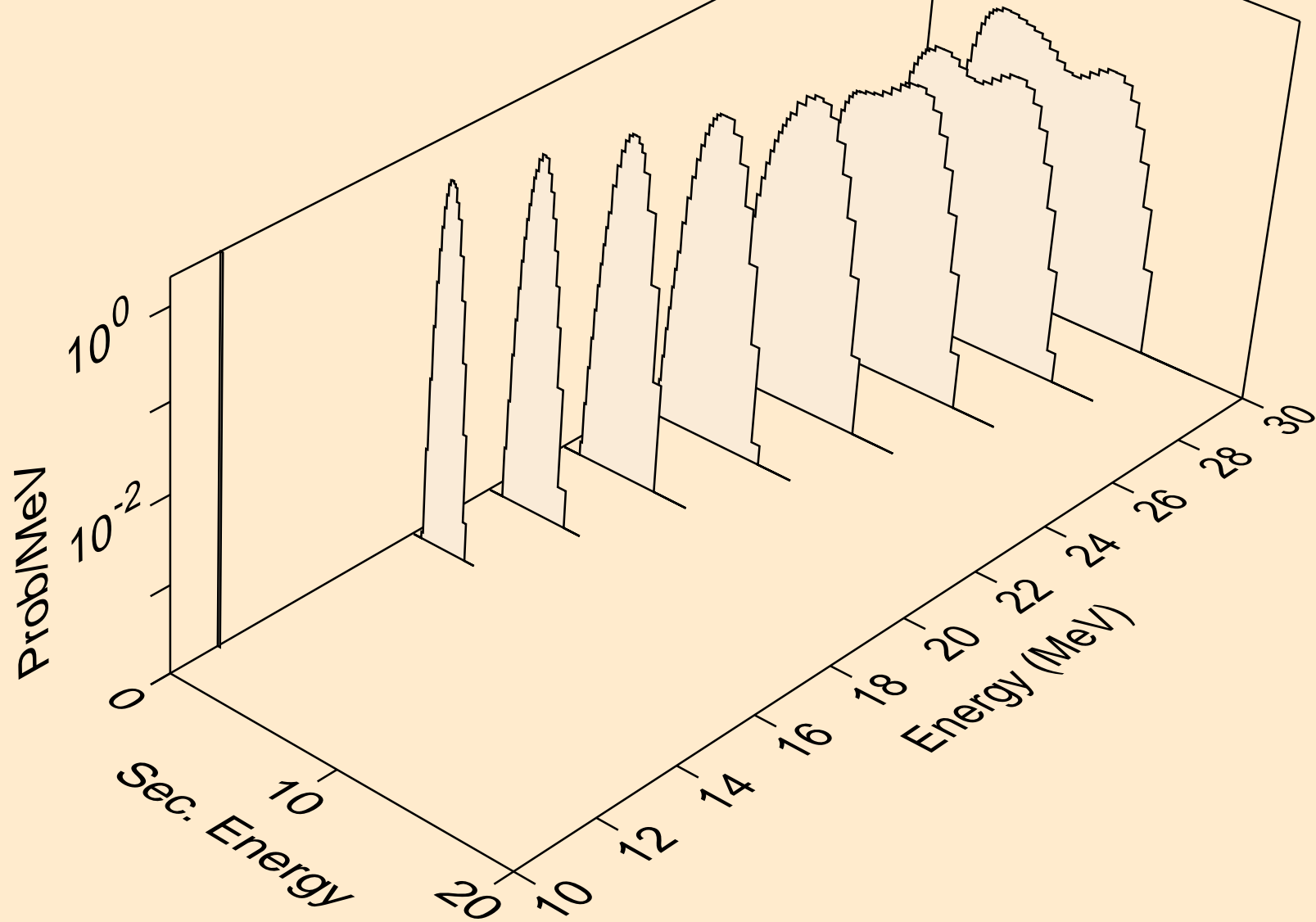
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deuterons from (p,d)



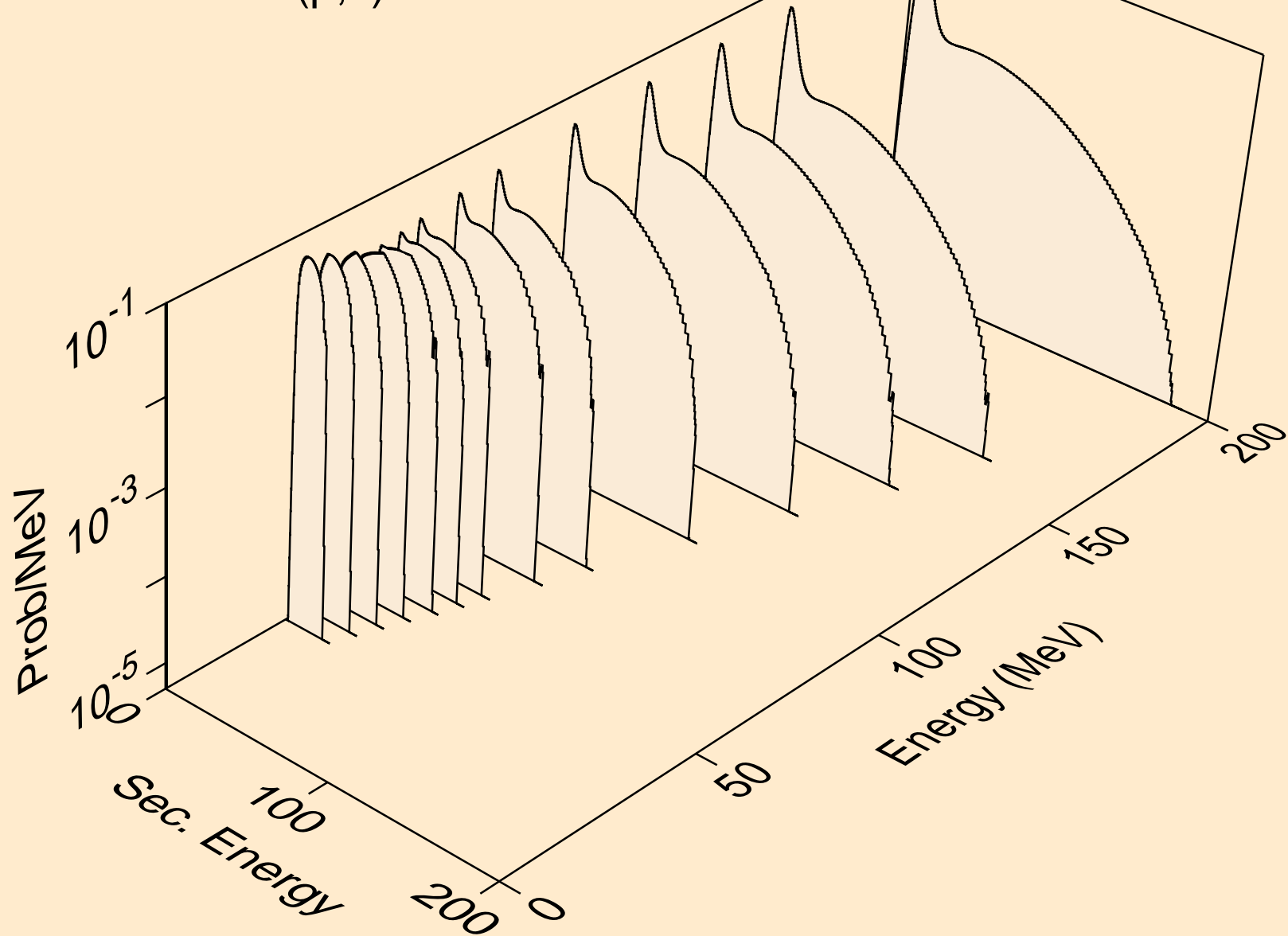
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deuterons from (p,pd)



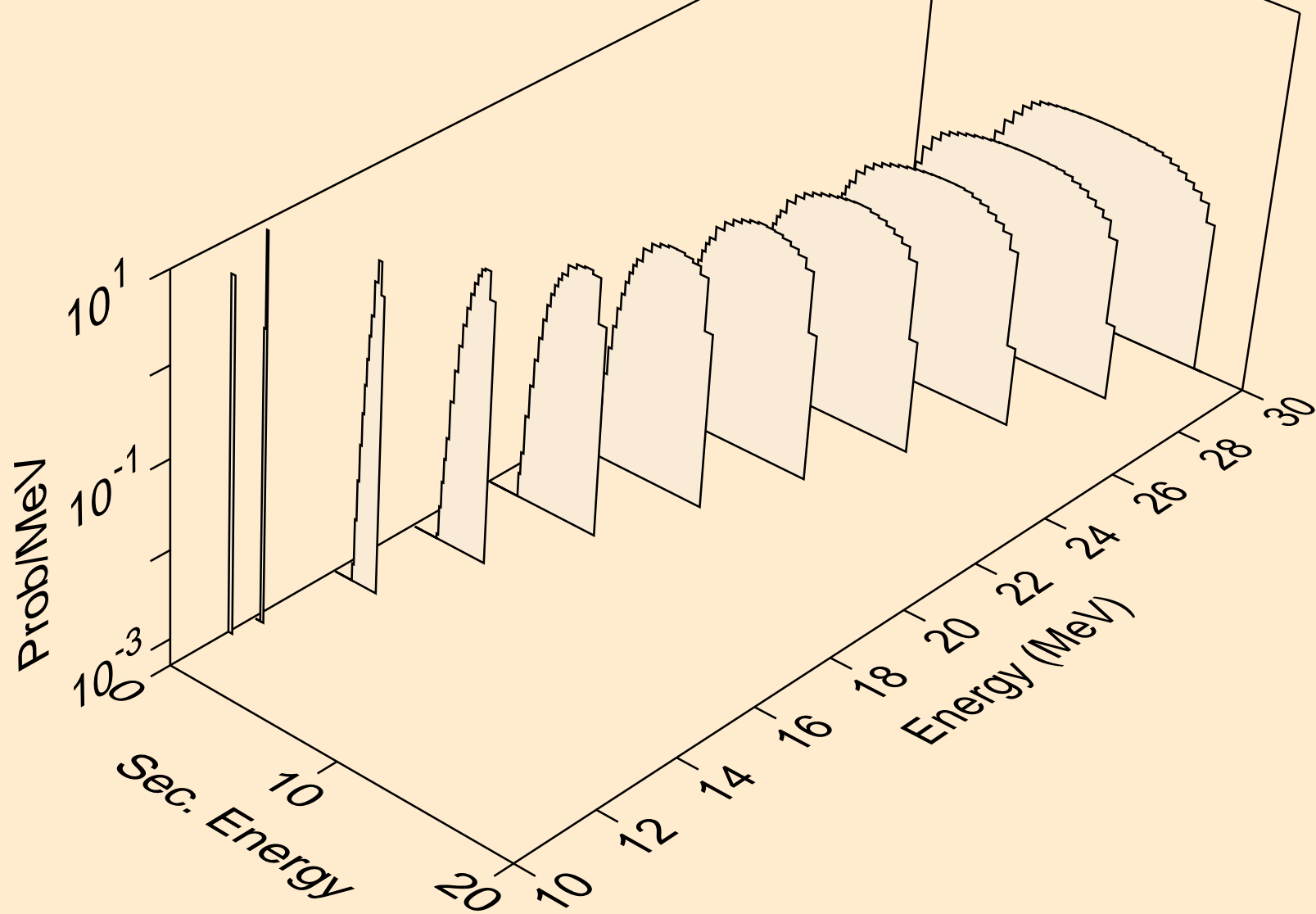
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deuterons from (p,da)



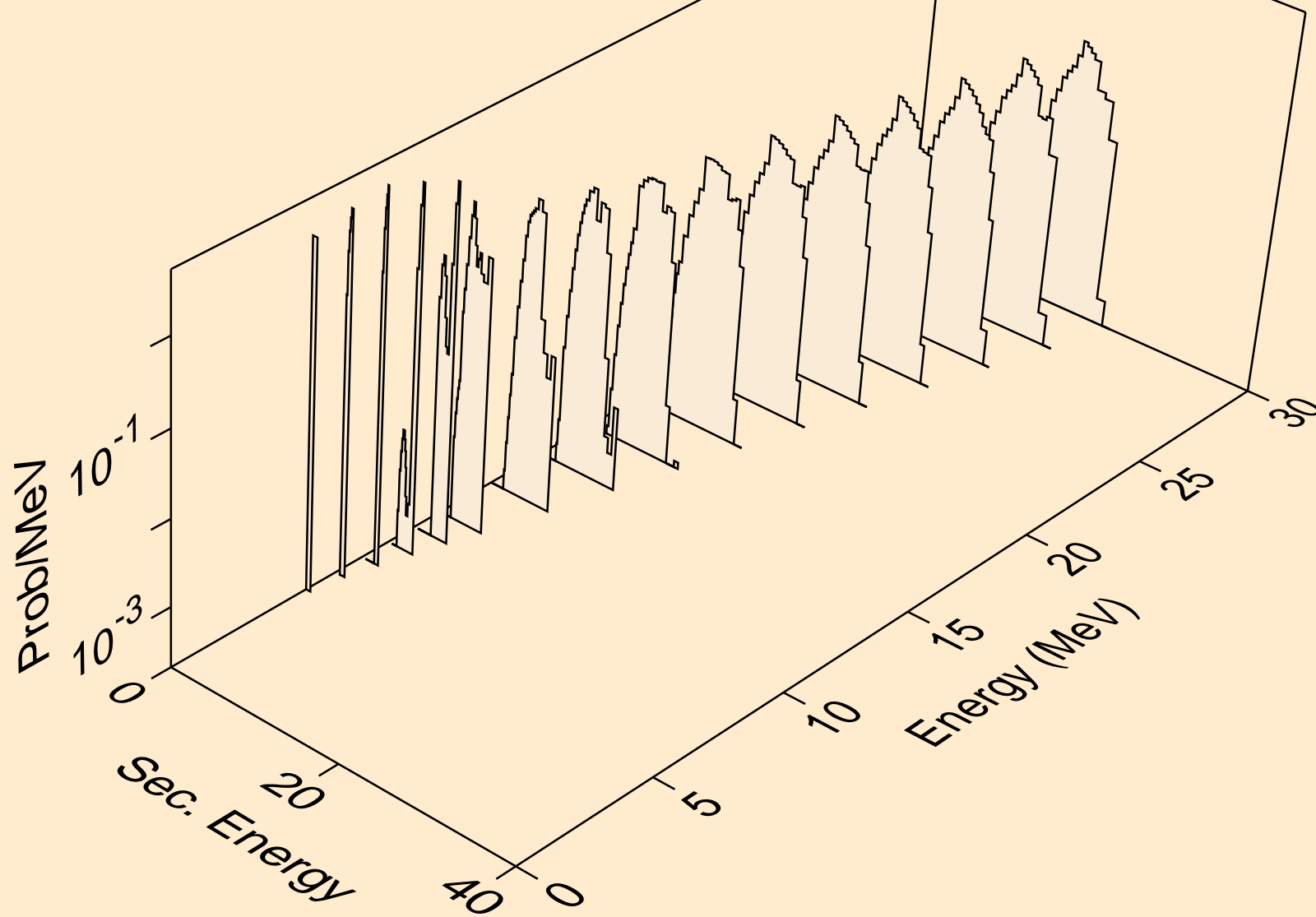
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,x)



TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,n\*)t

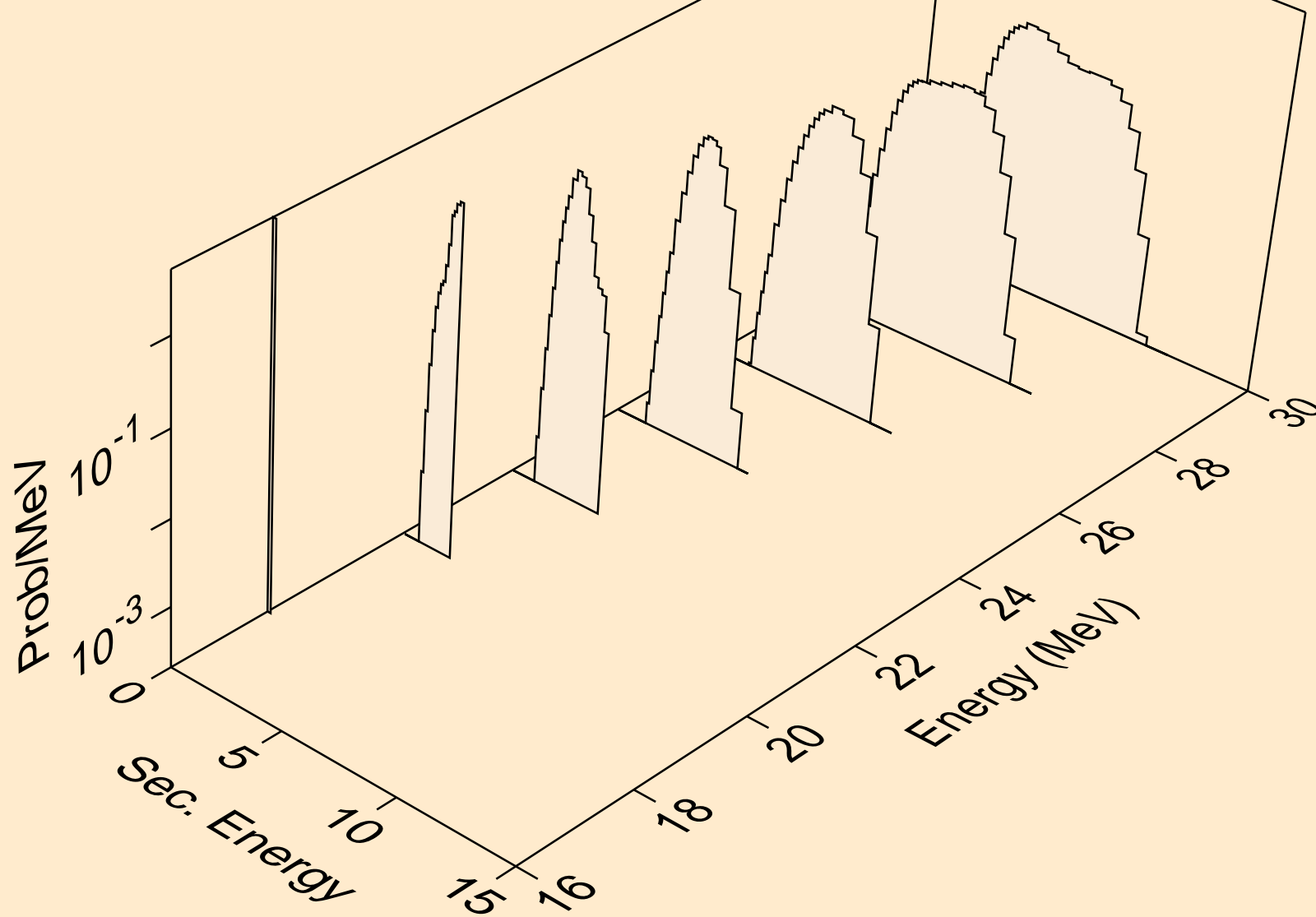


TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,t)

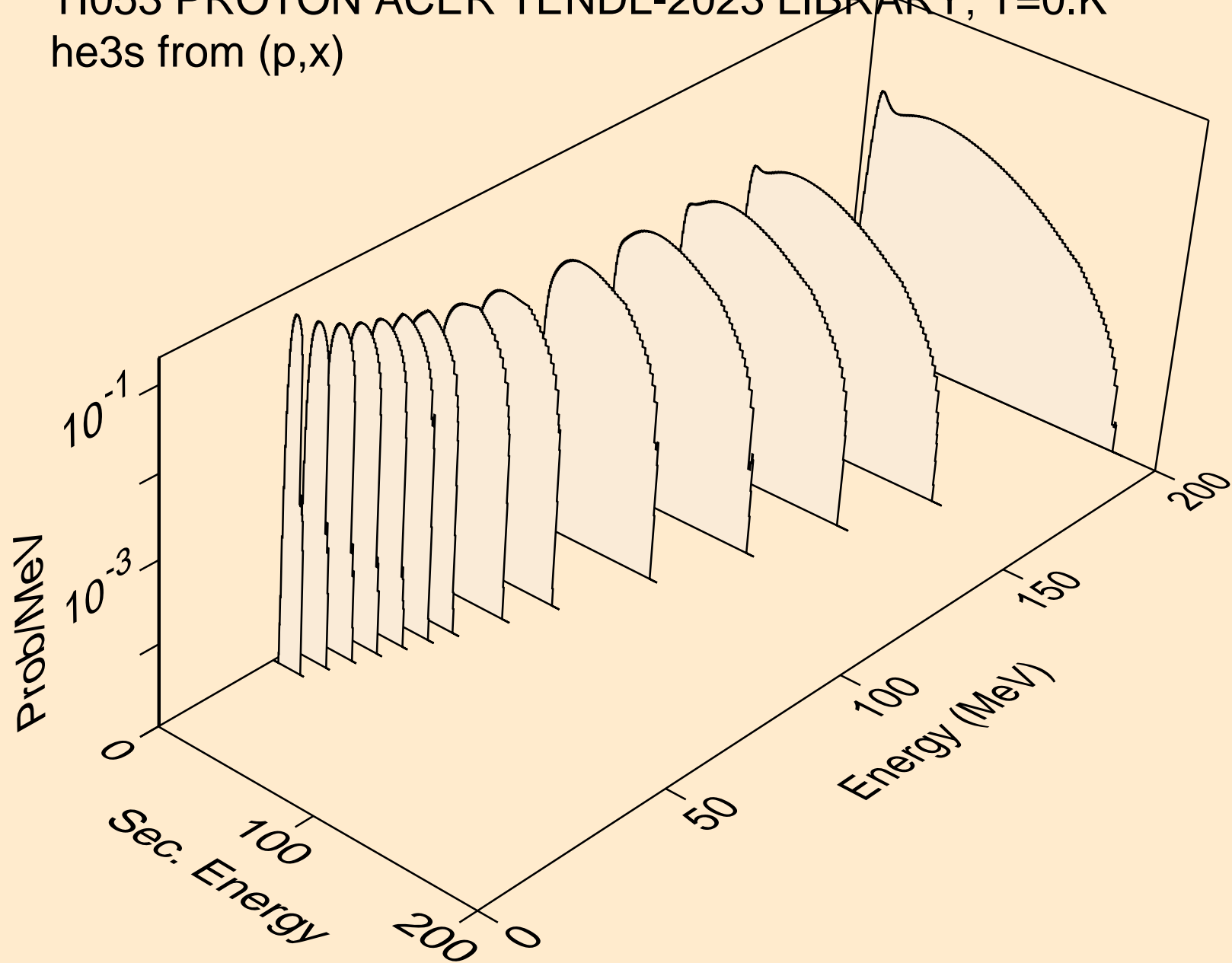




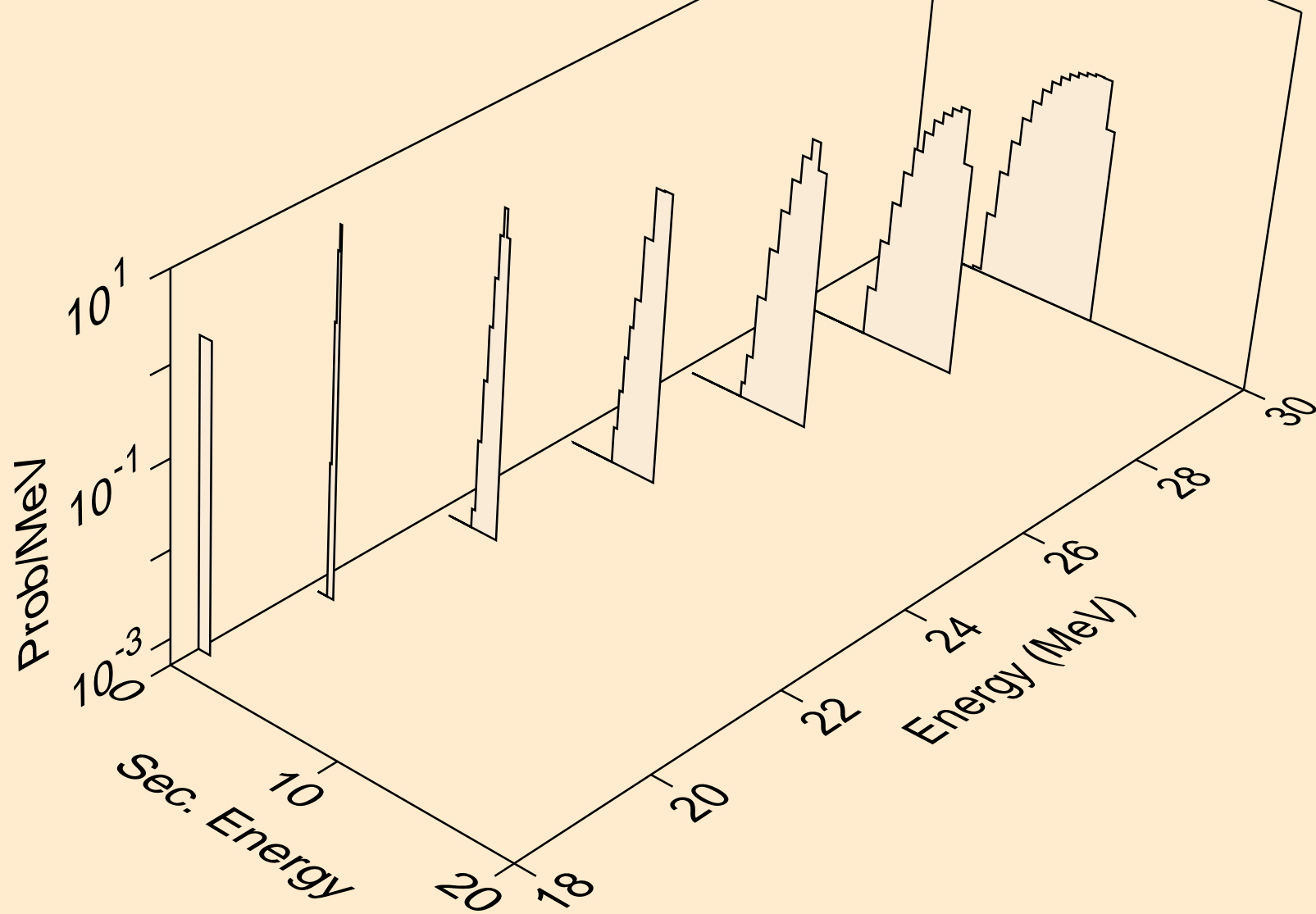
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tritons from (p,pt)



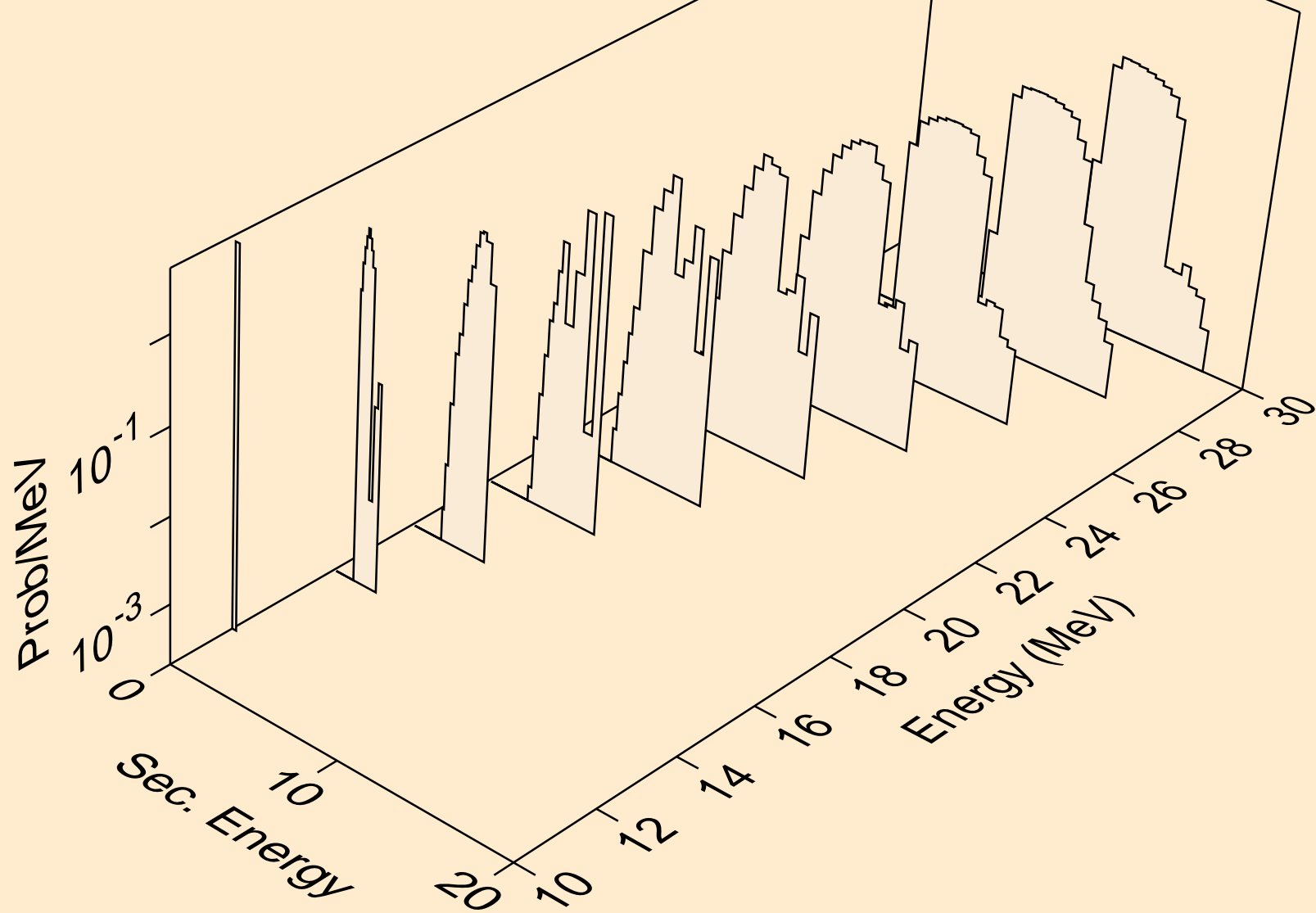
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,x)



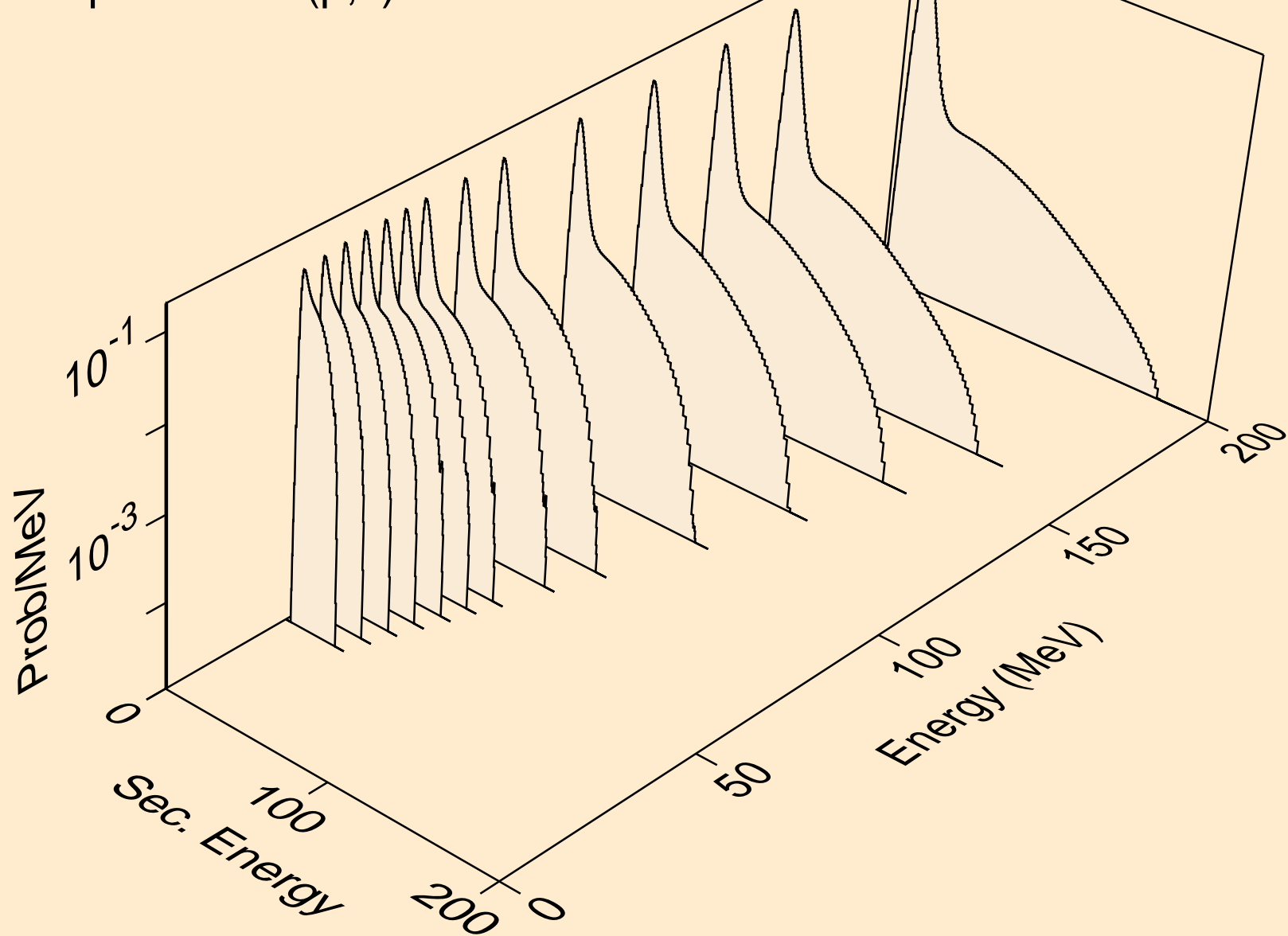
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,n\*)he3



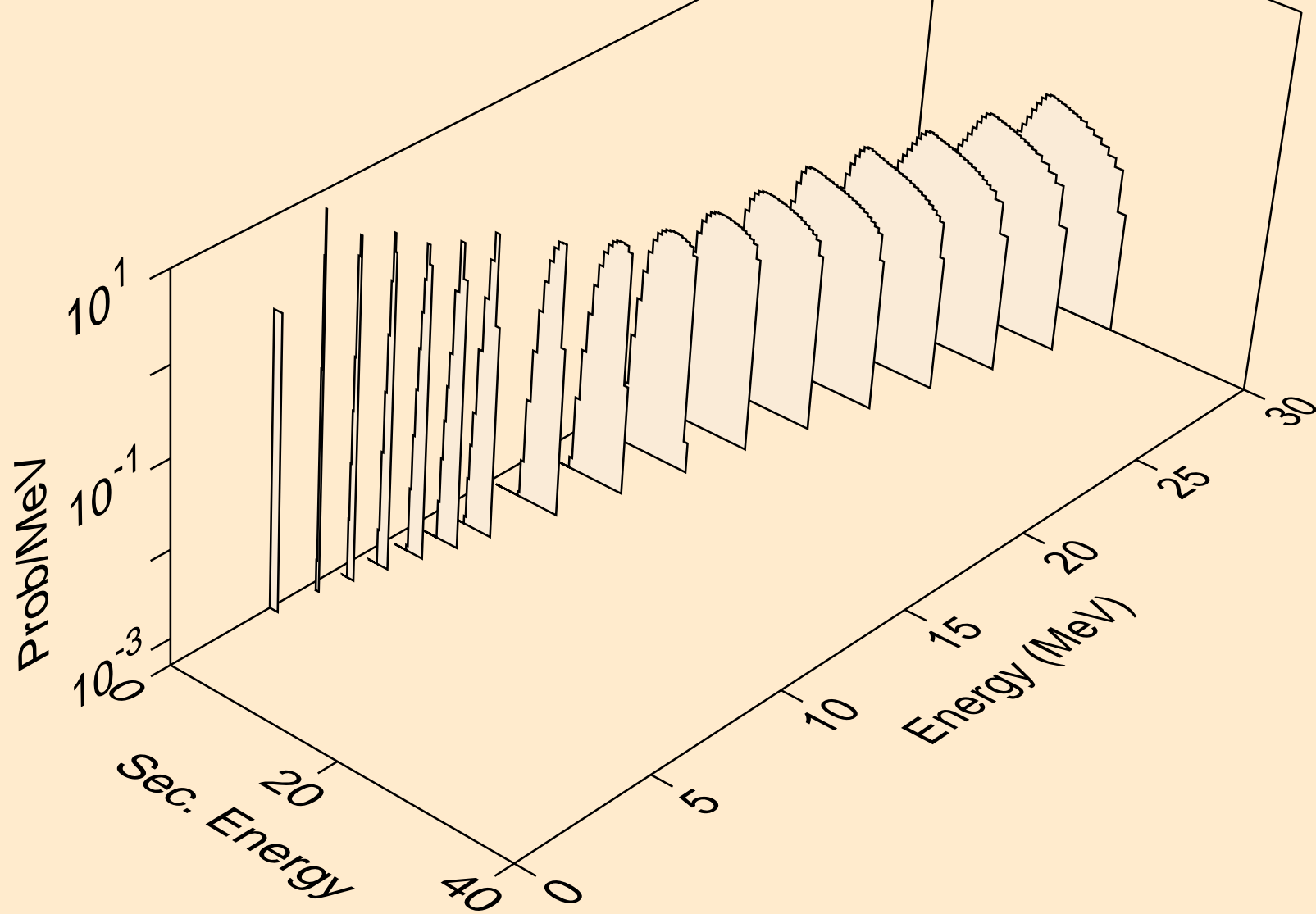
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he3s from (p,he3)



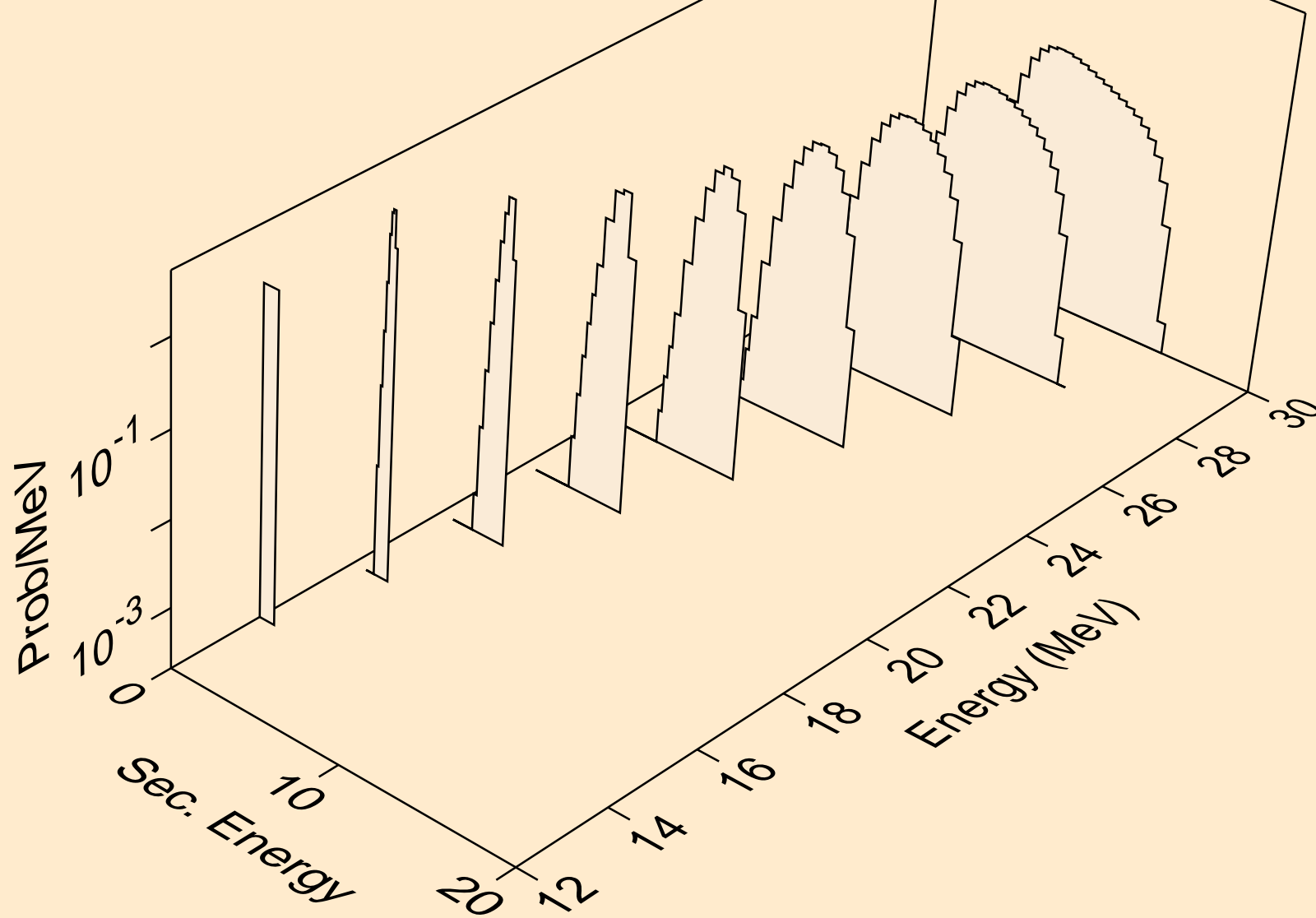
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)



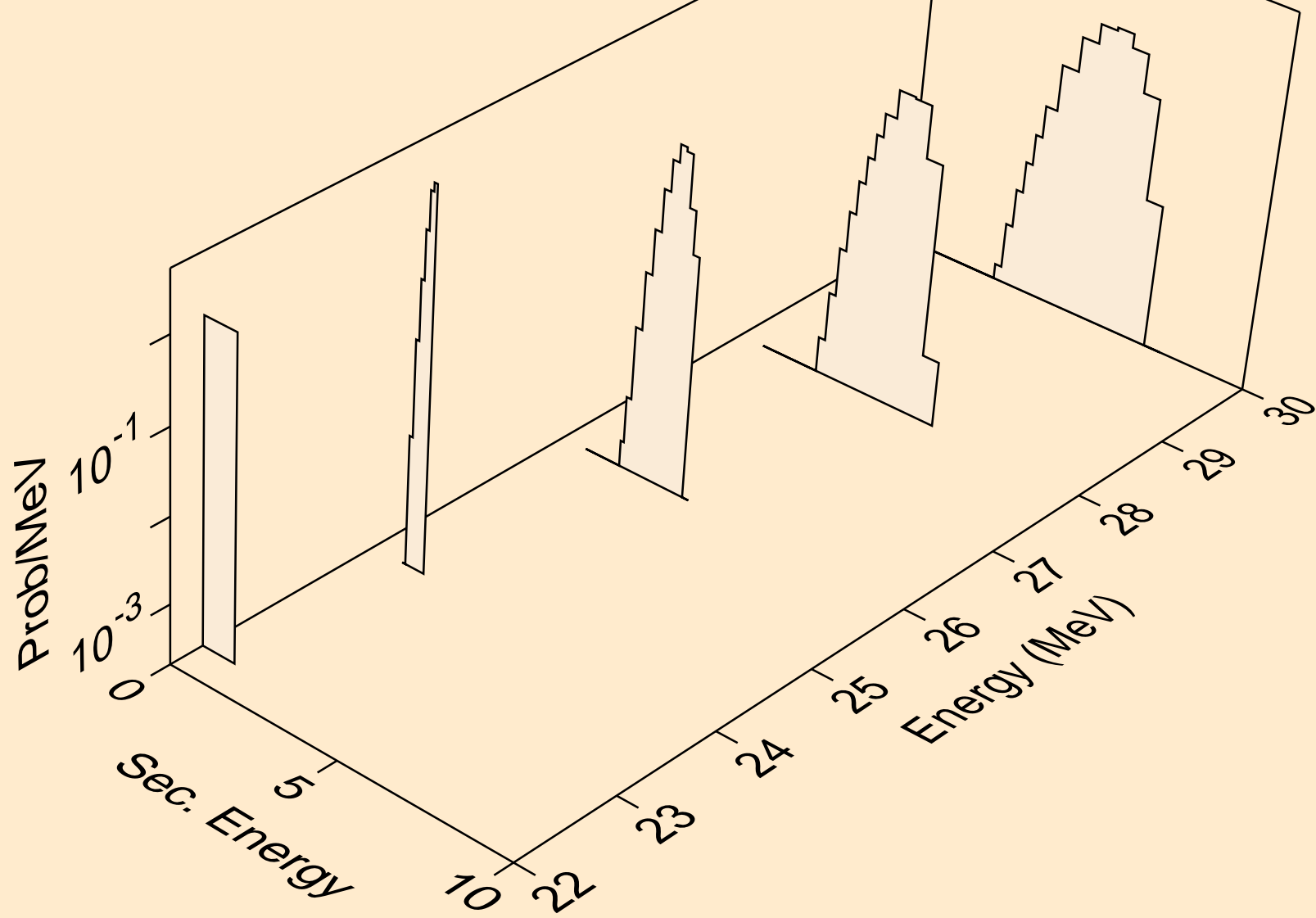
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a



TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)a

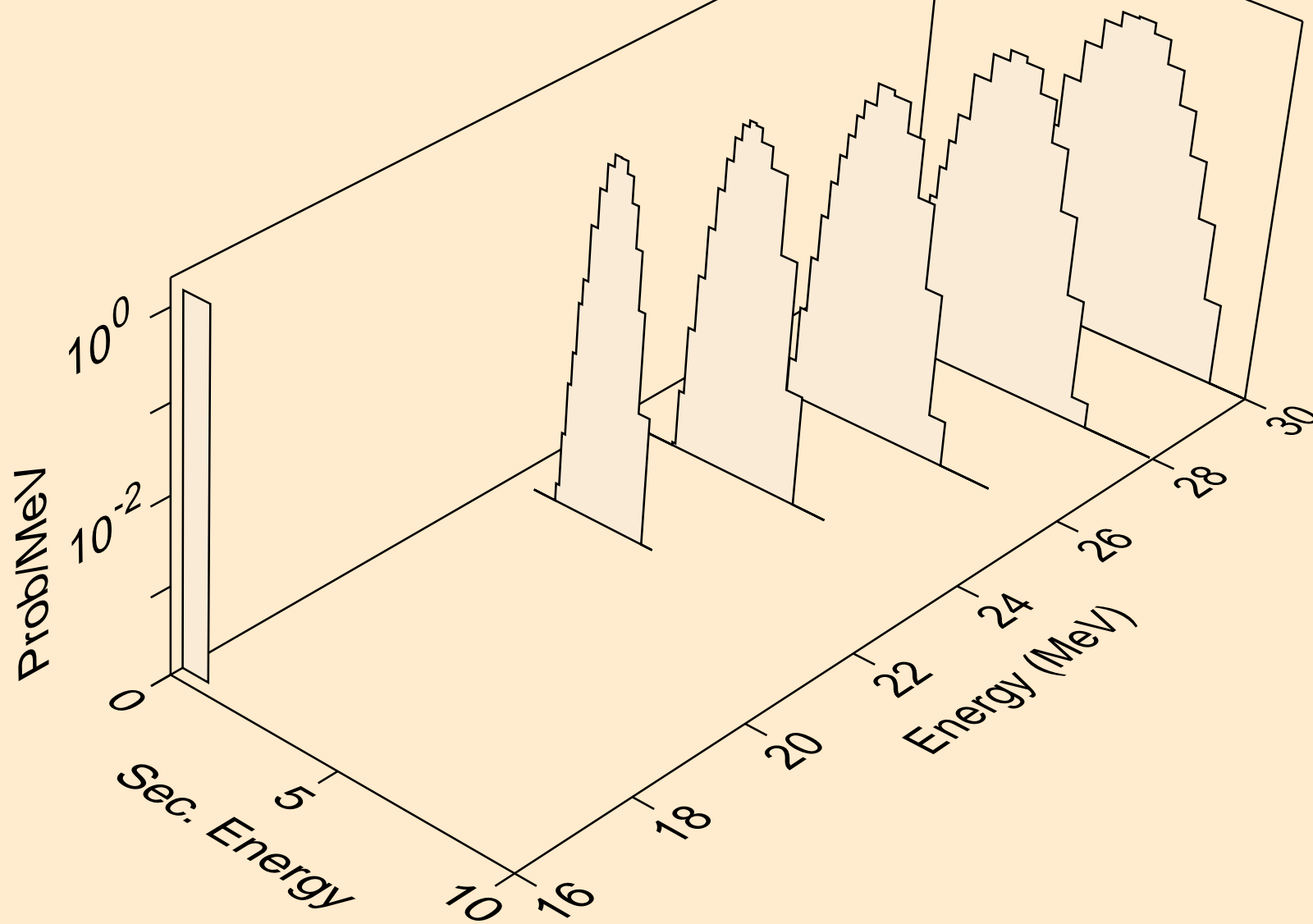


TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,3n)a

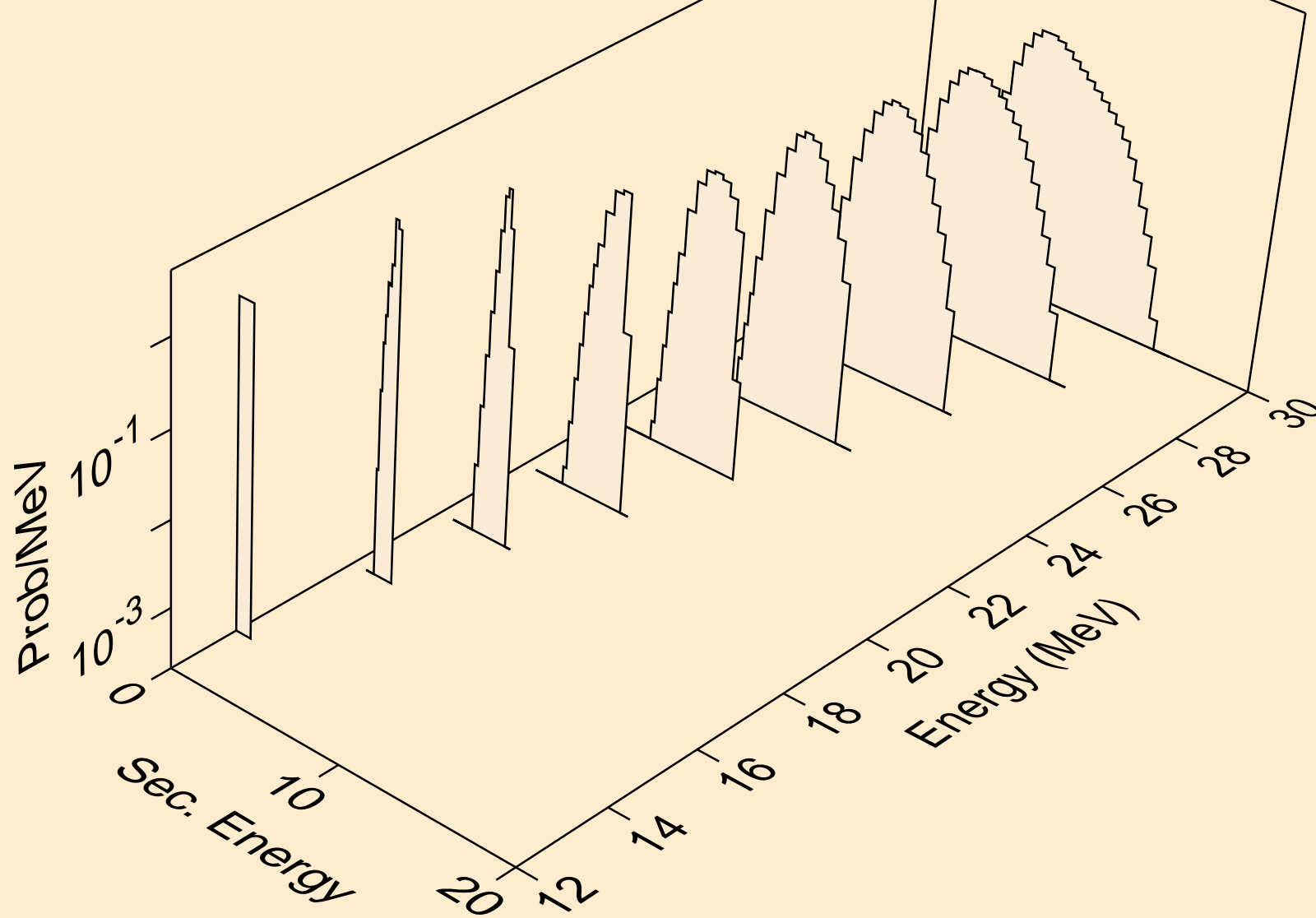




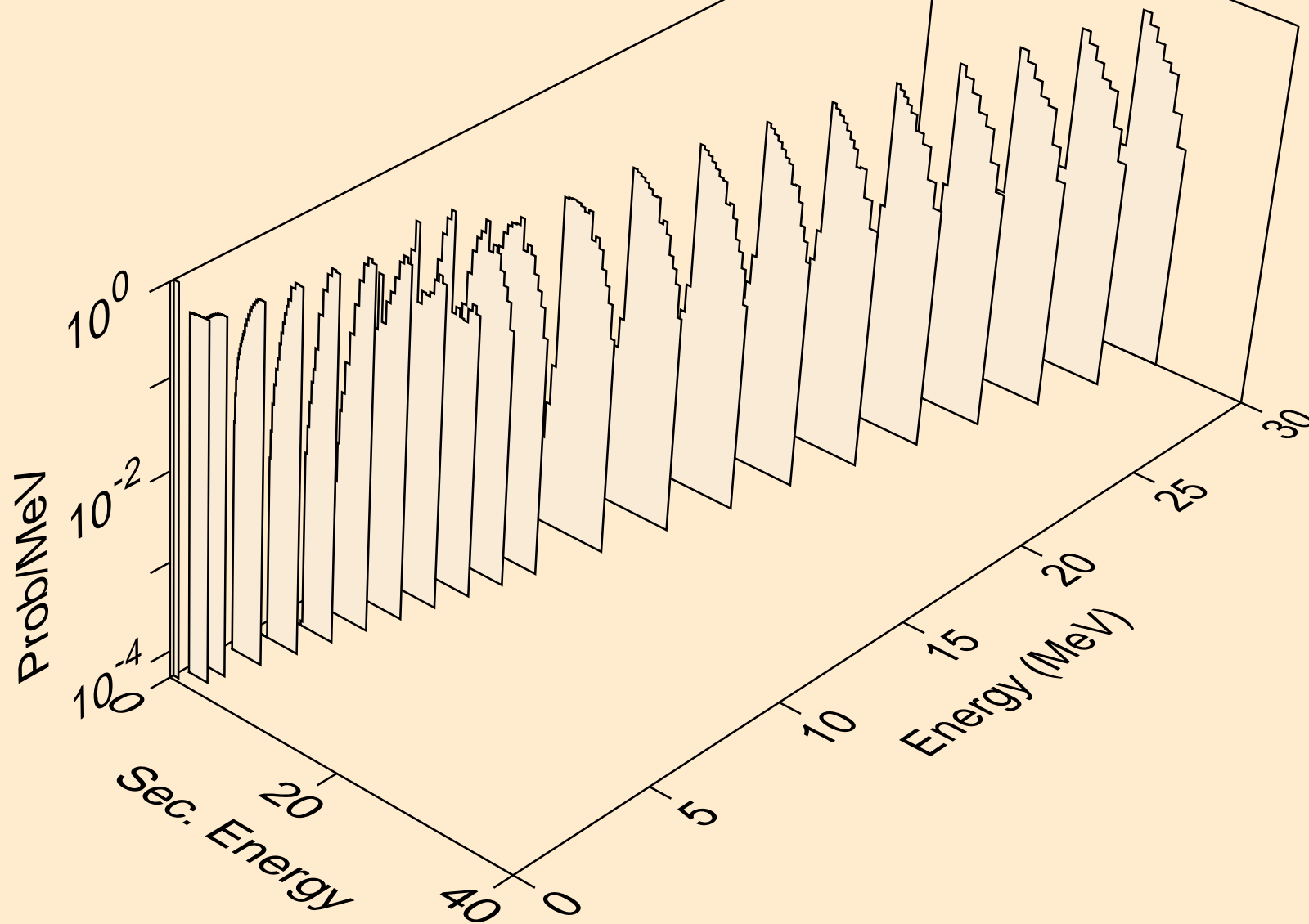
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)2a



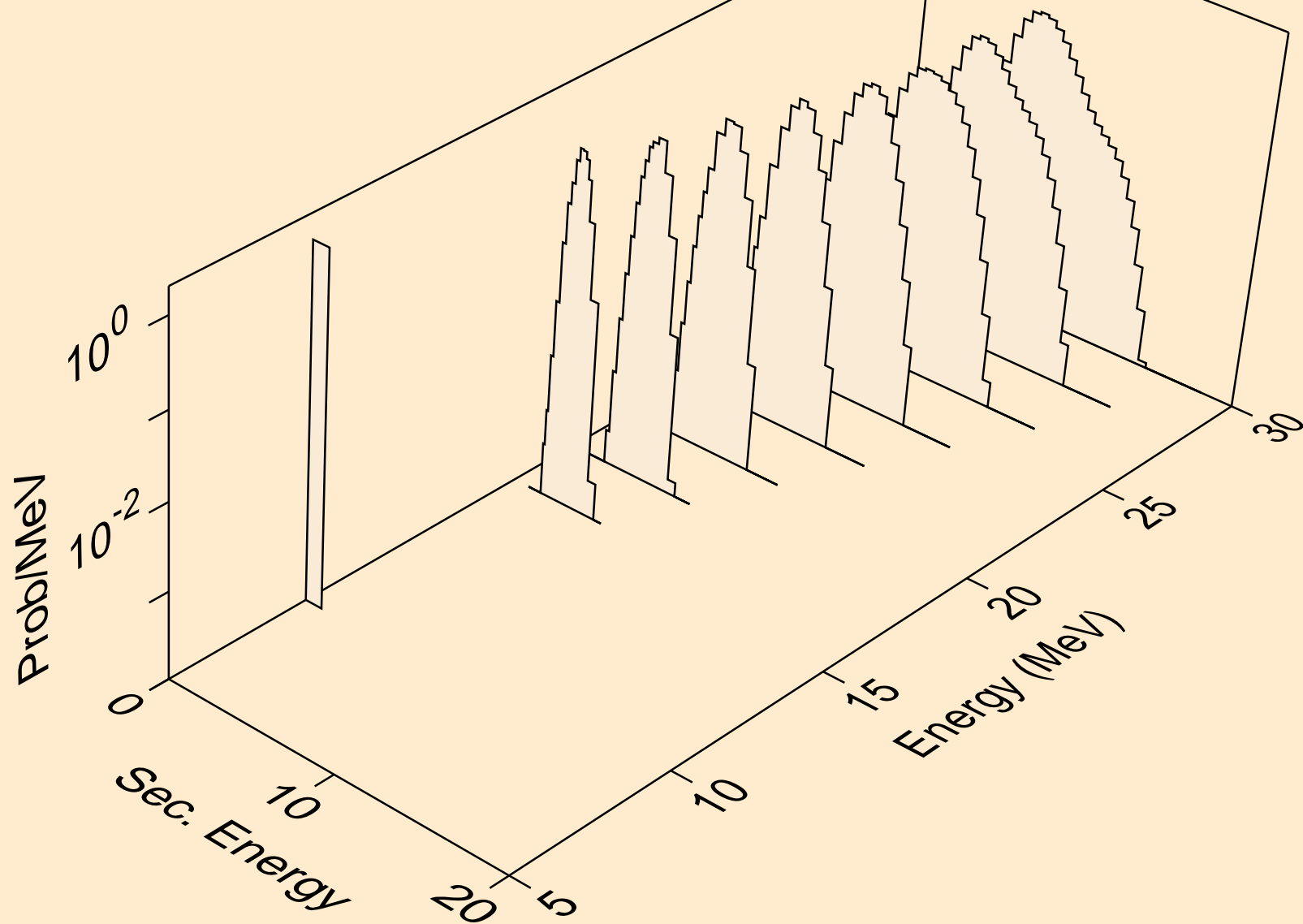
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,npa)



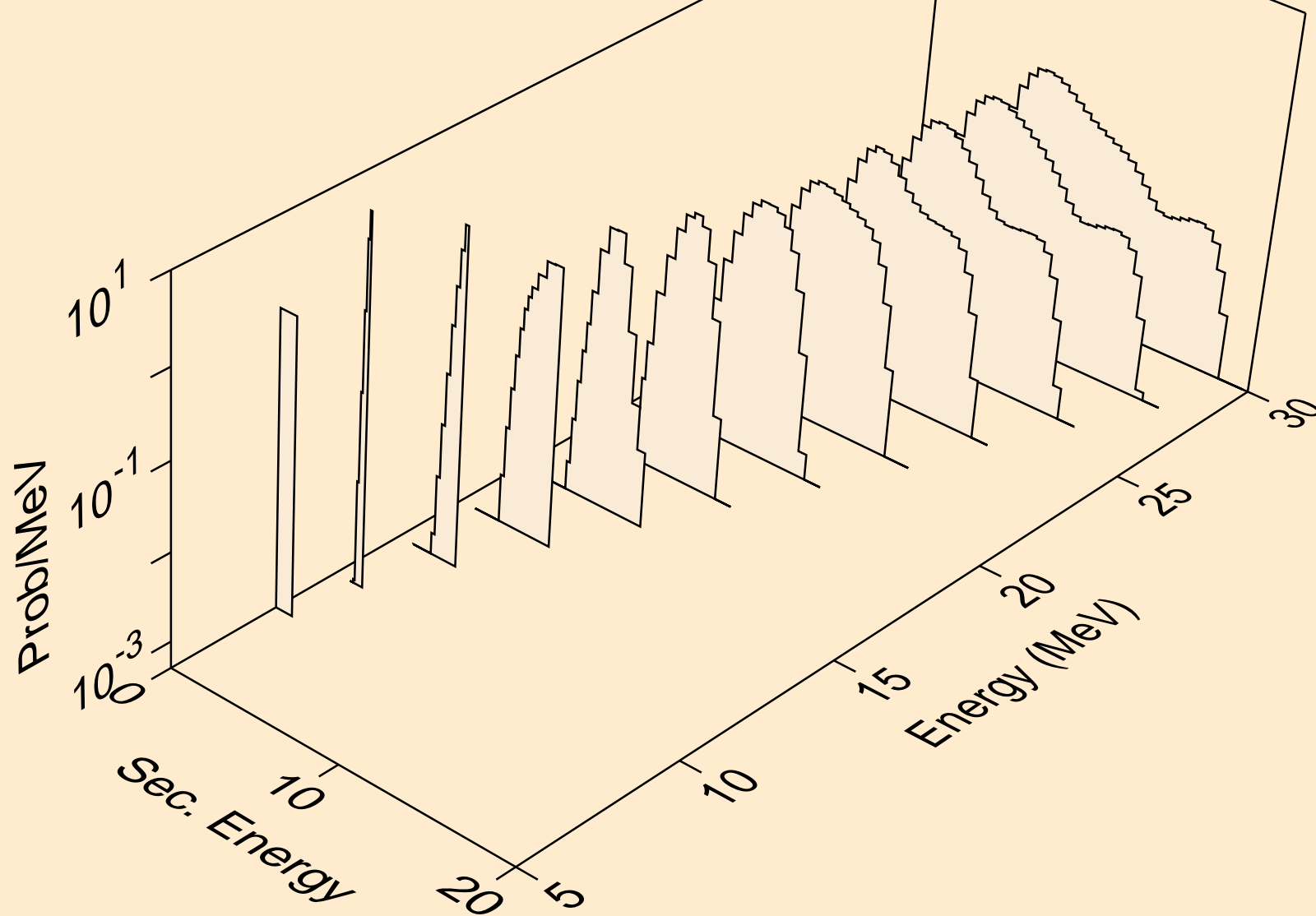
TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,a)



TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2a)



TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,pa)



TI053 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,da)

