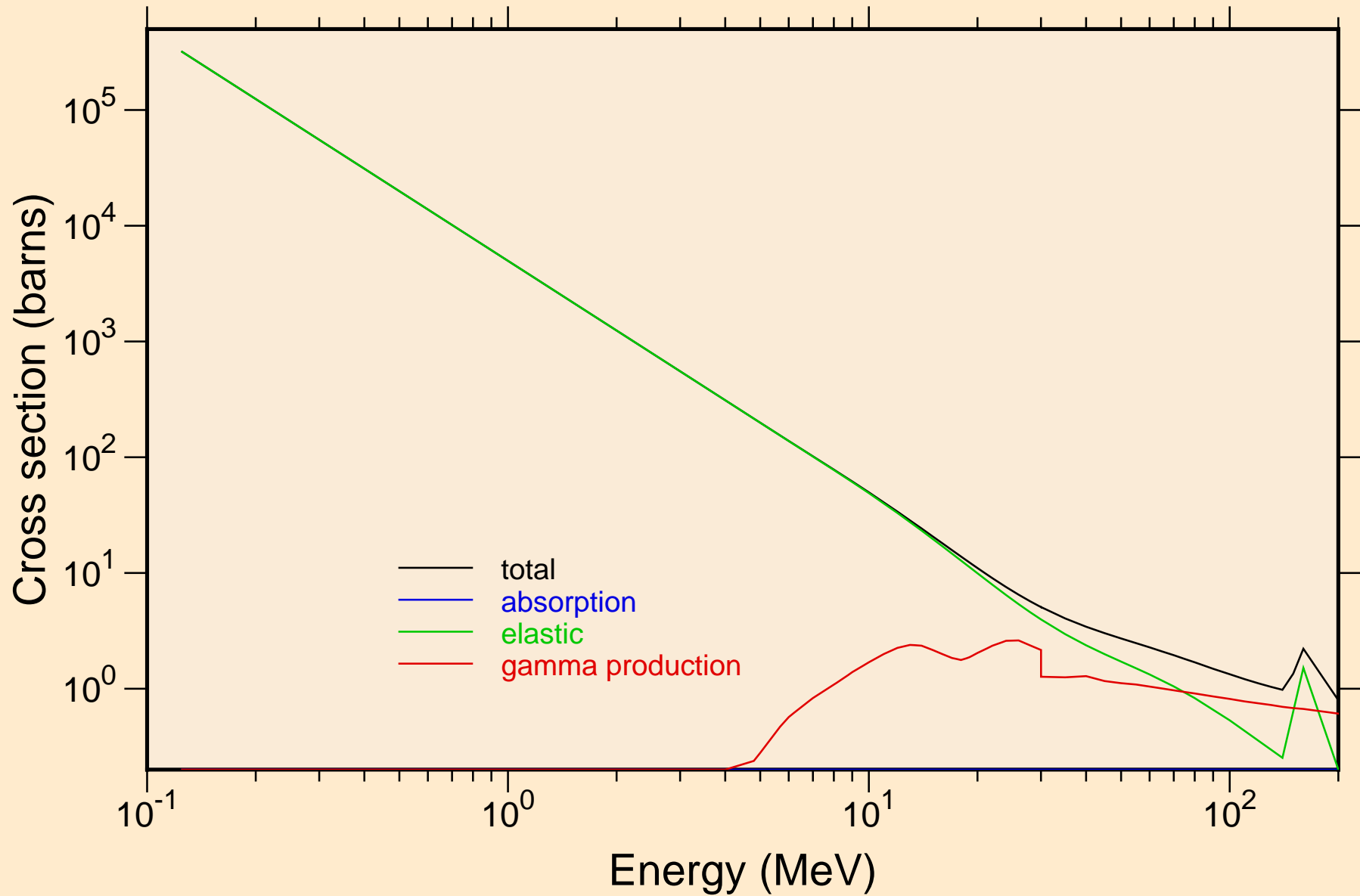
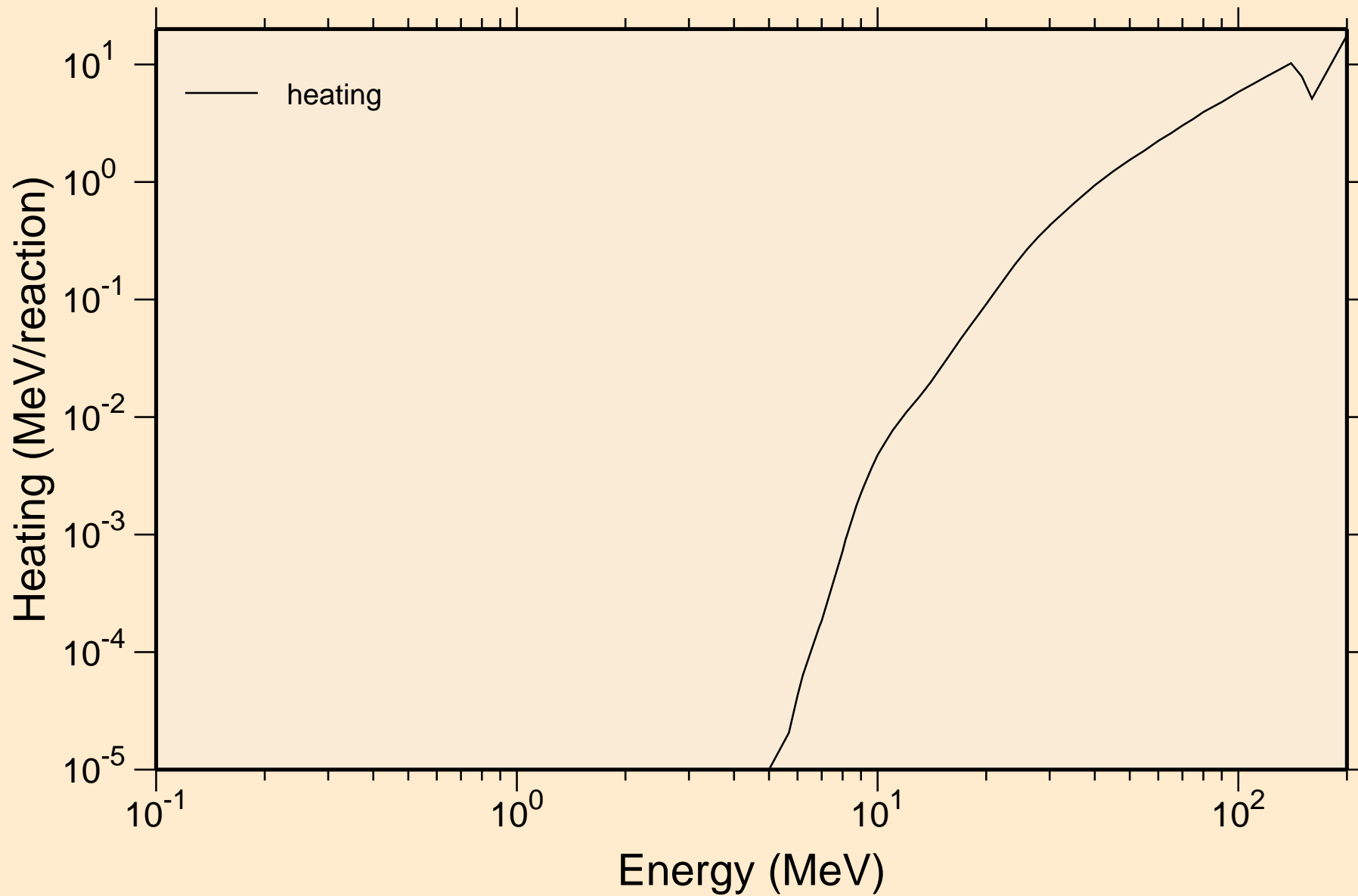


# NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

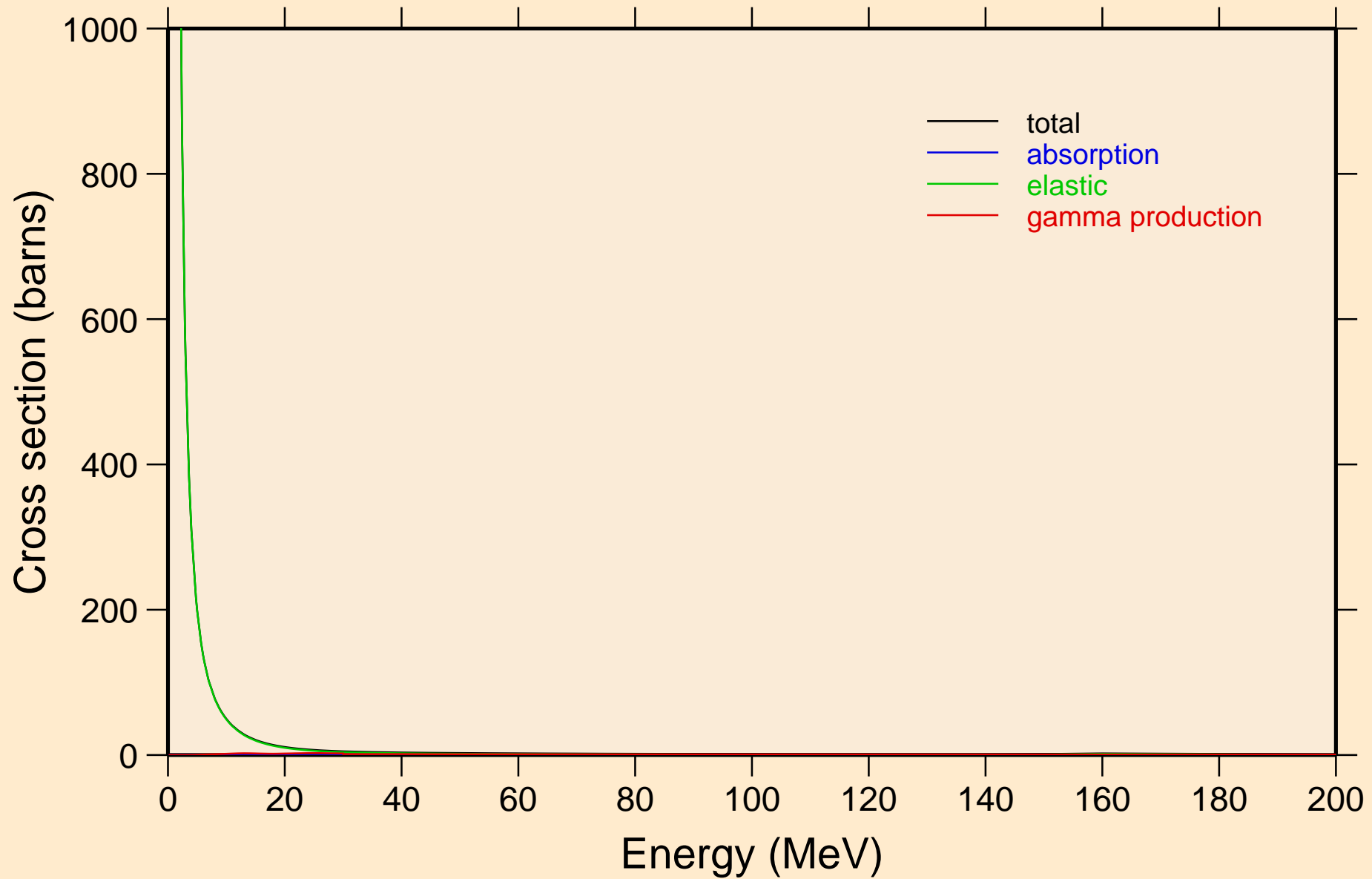


NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



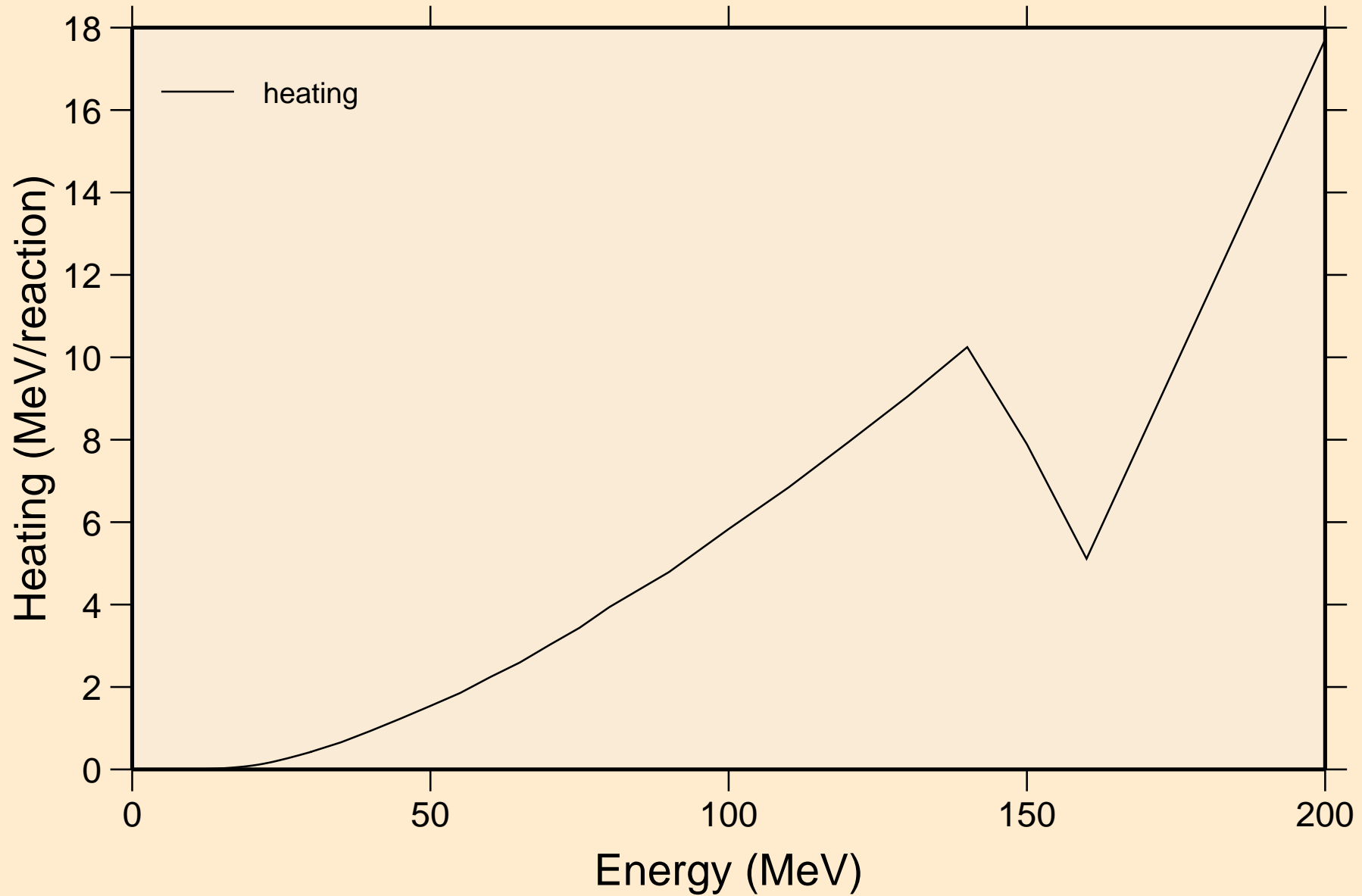
# NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



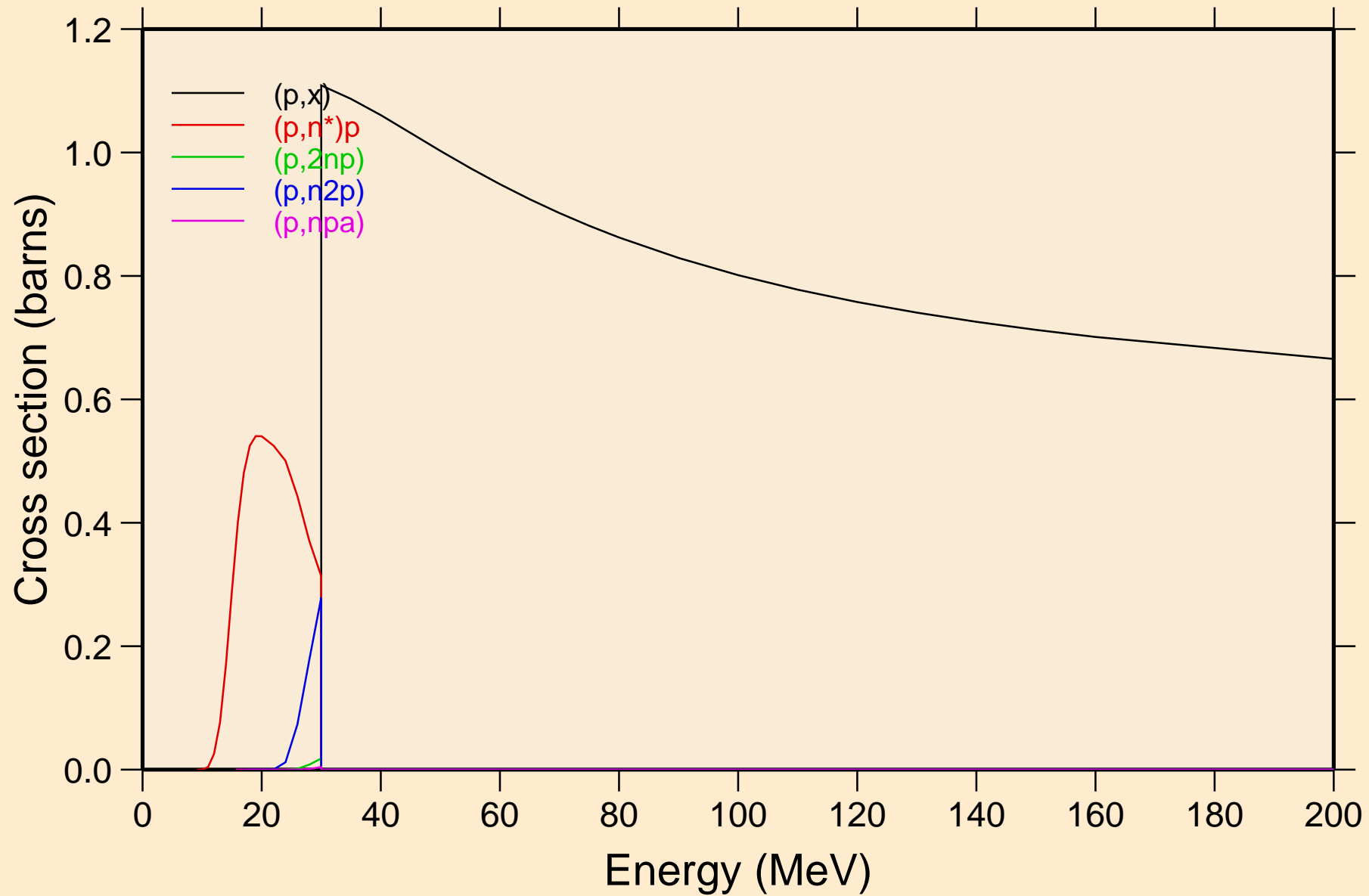
# NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



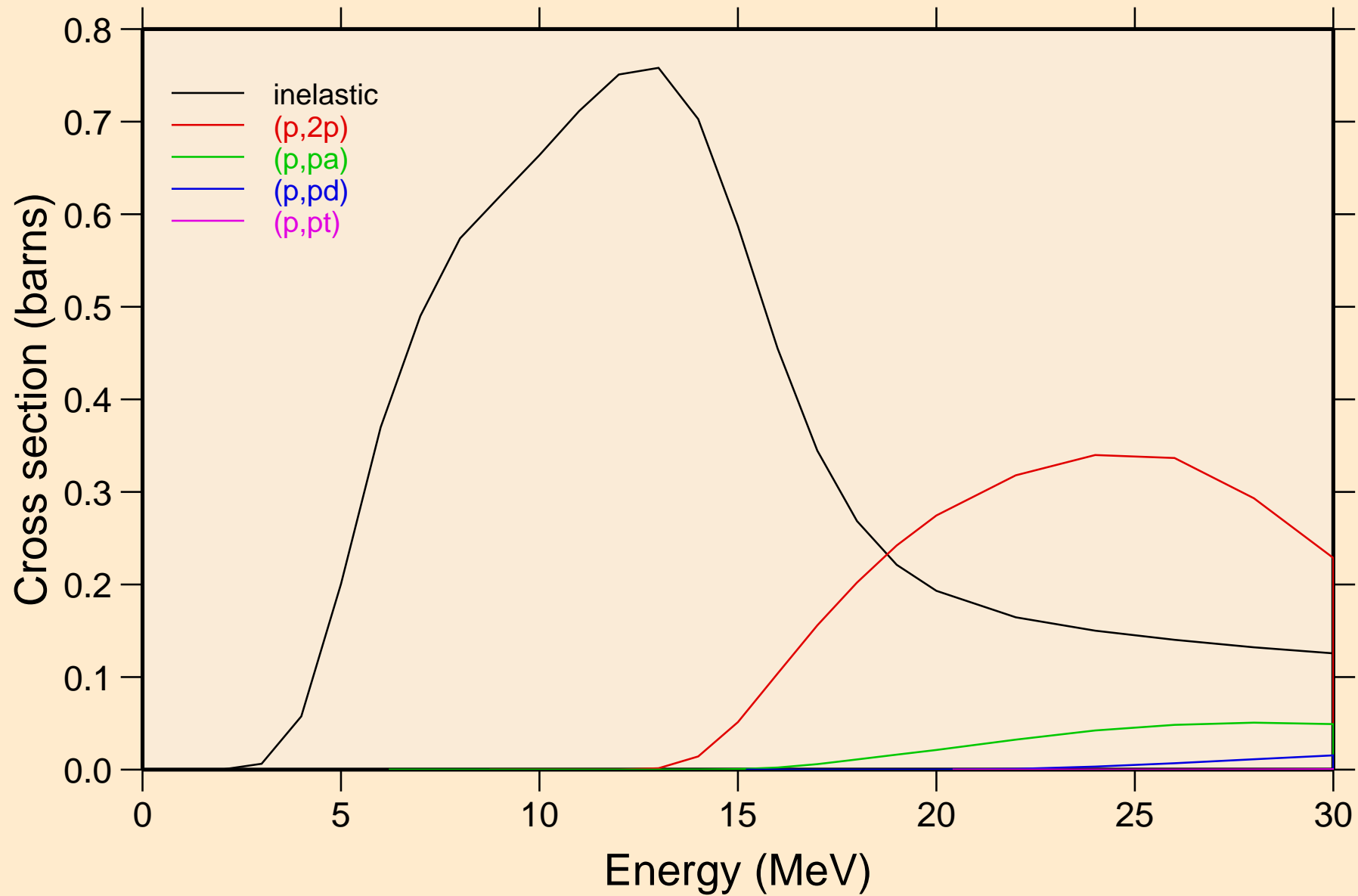
# NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

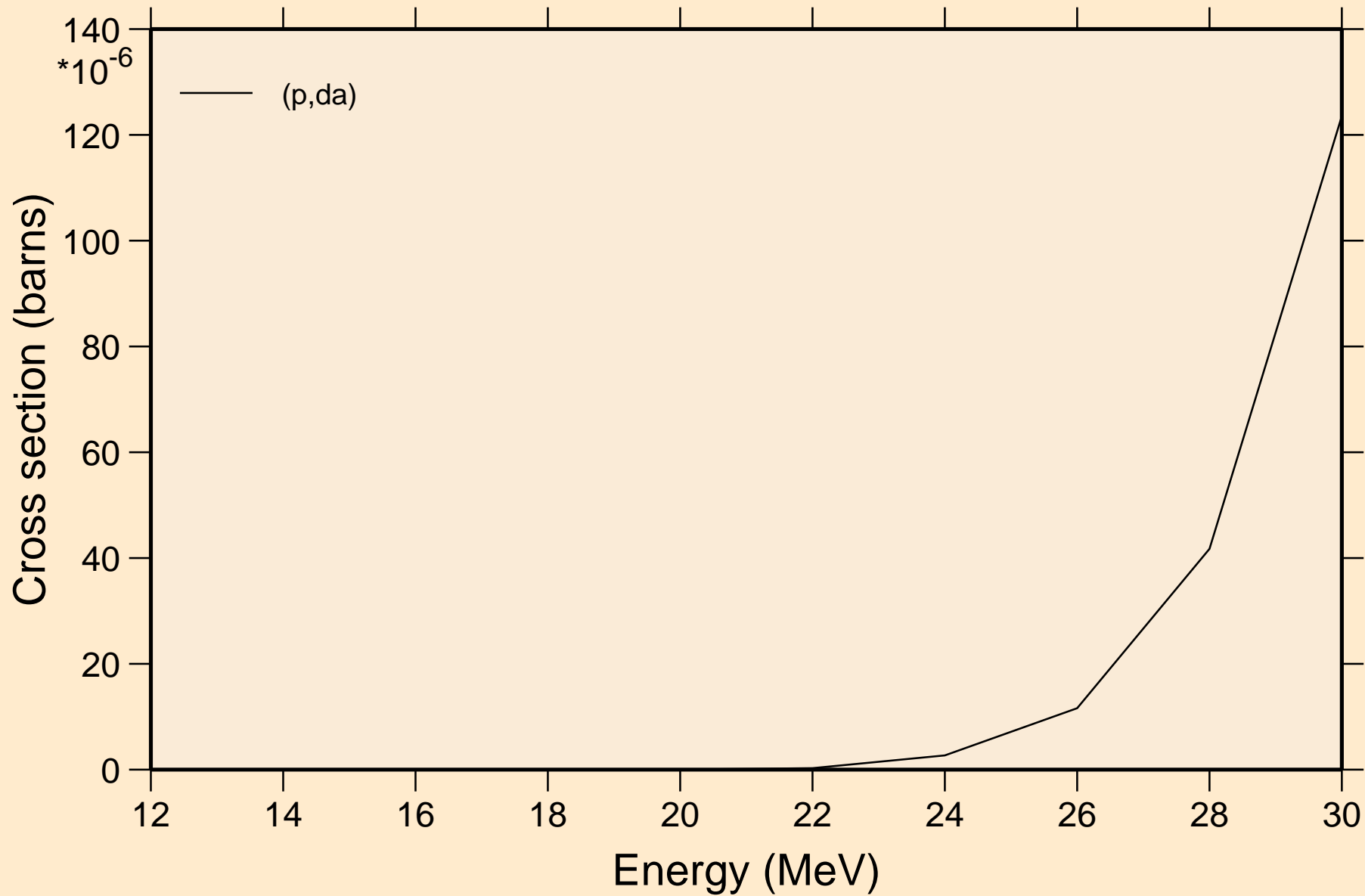


# NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K

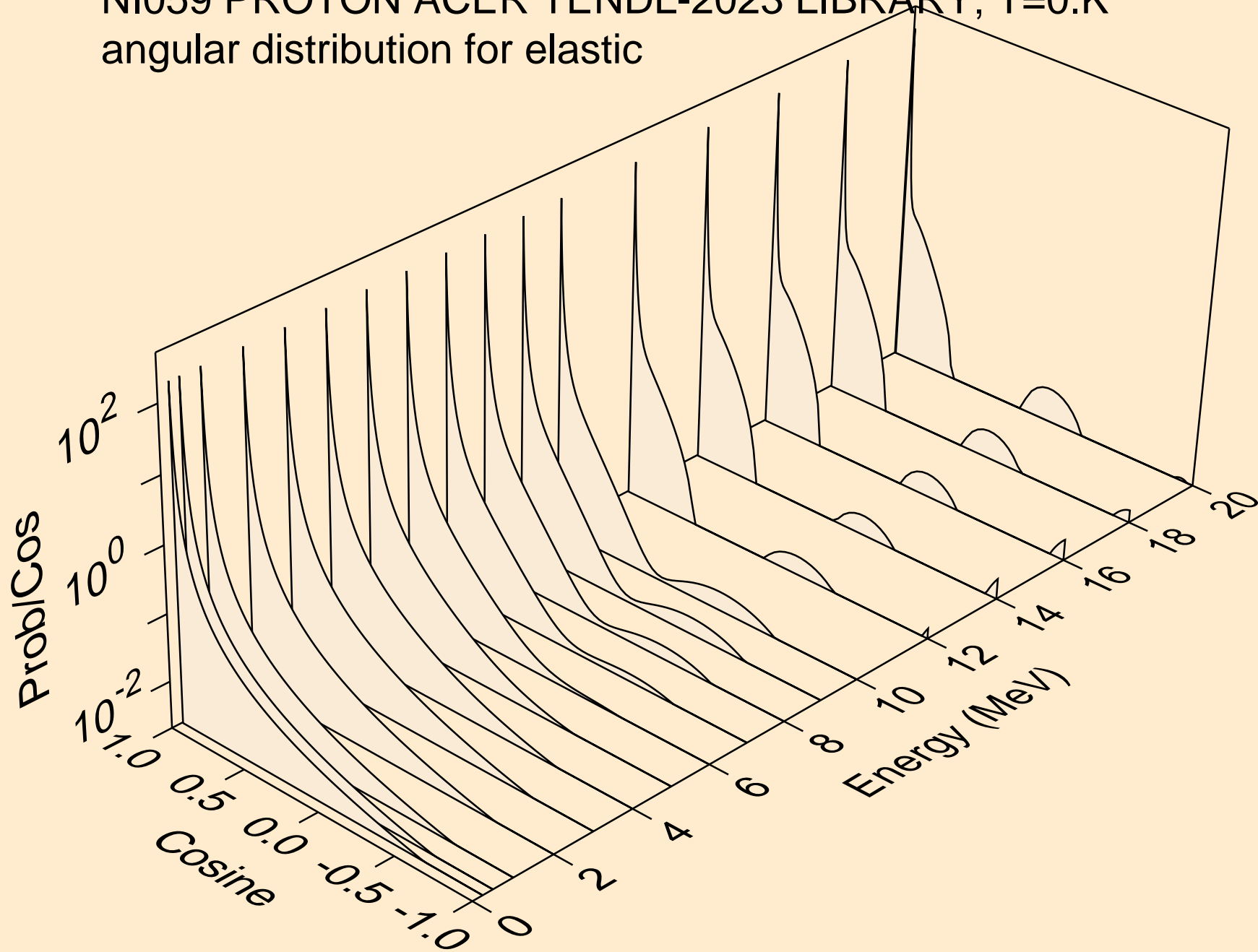
## Threshold reactions



NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

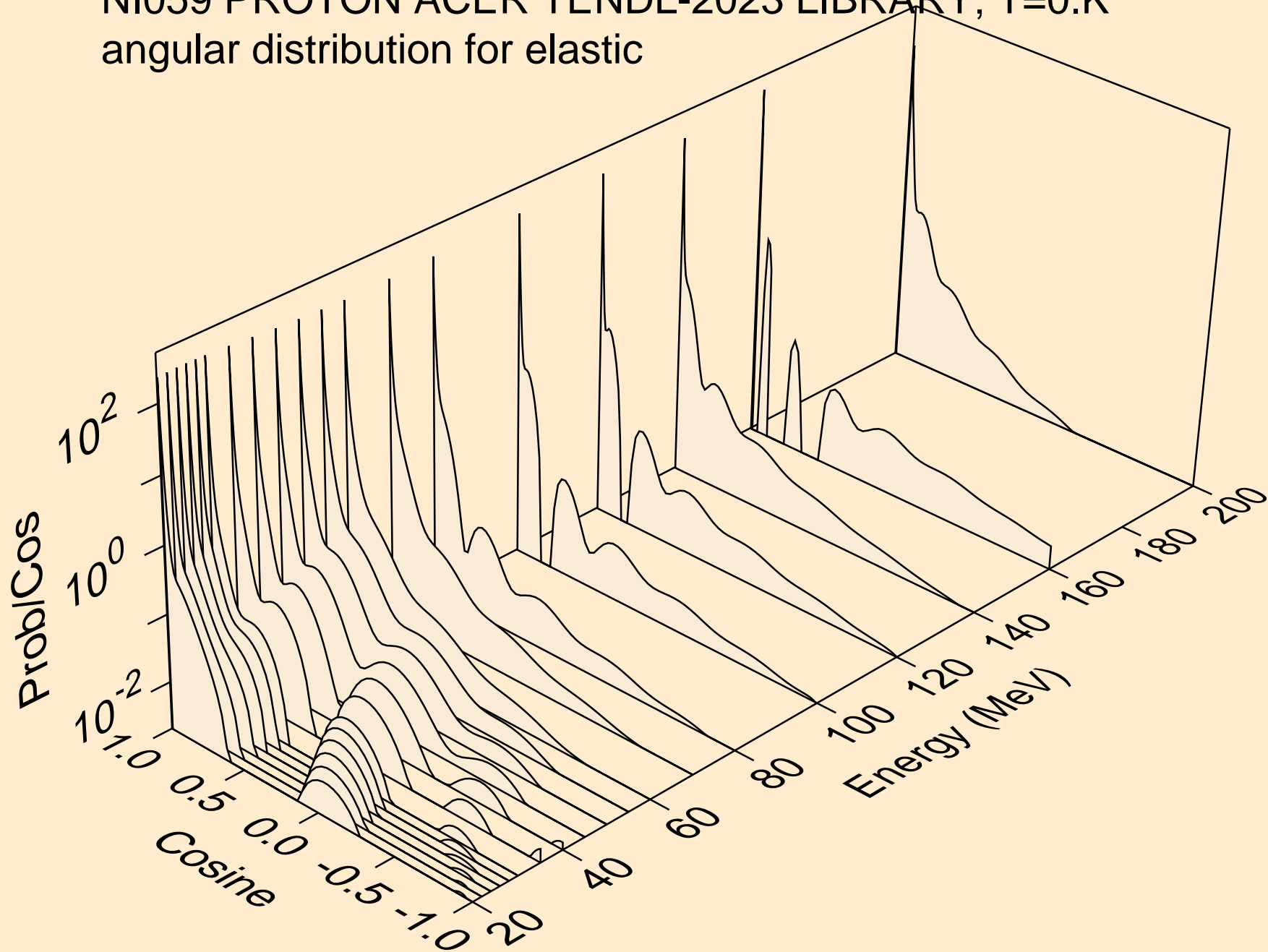


NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

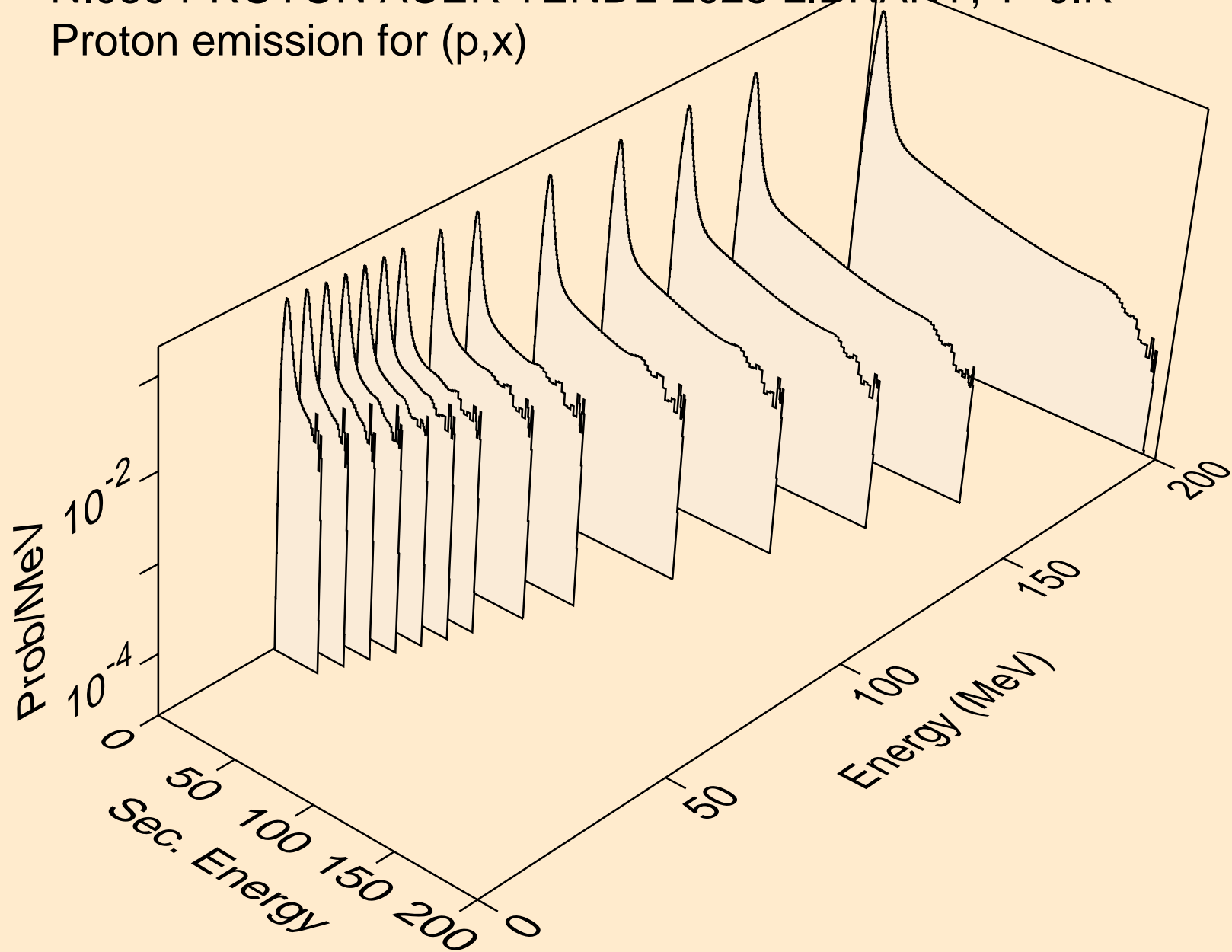




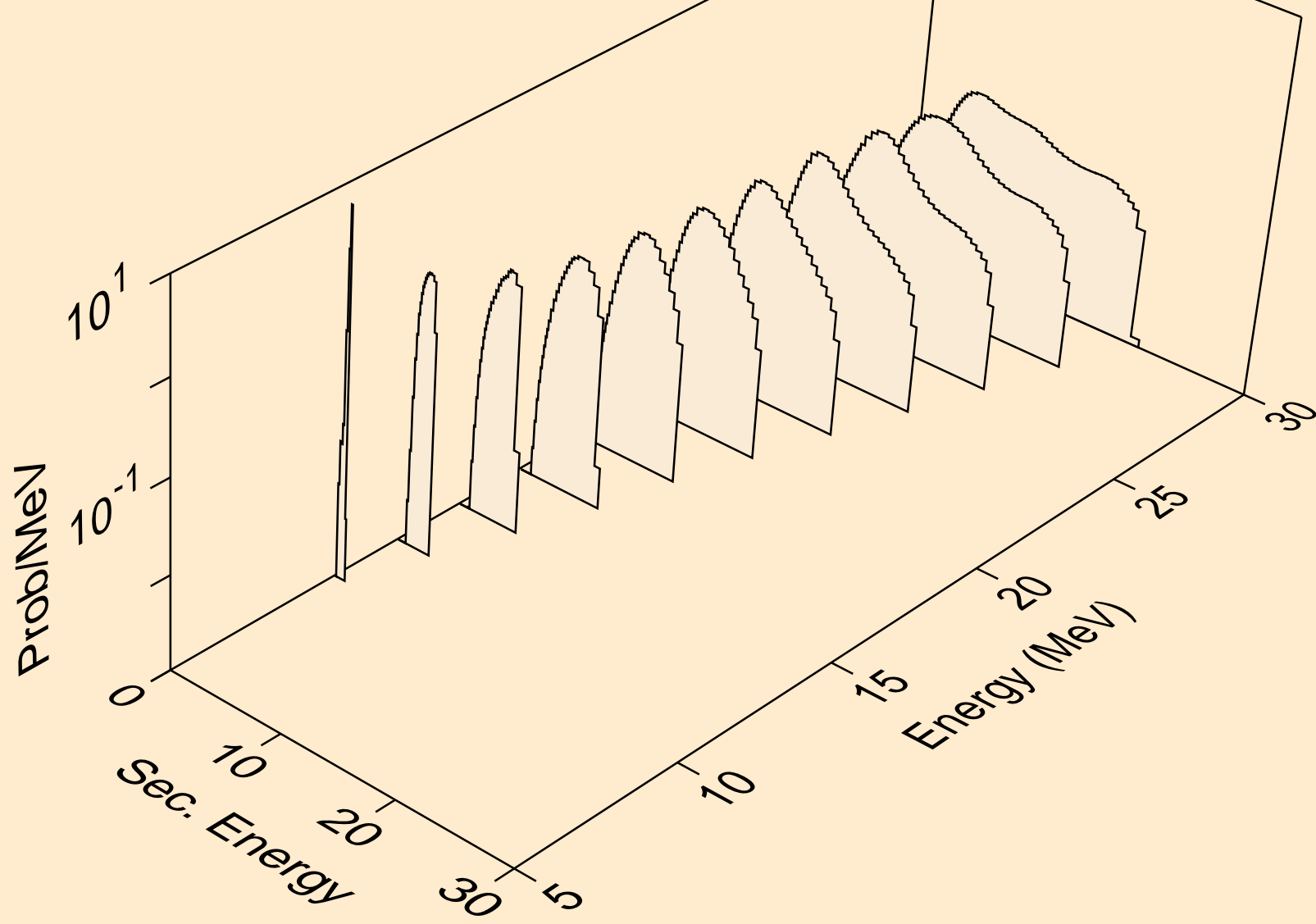
NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



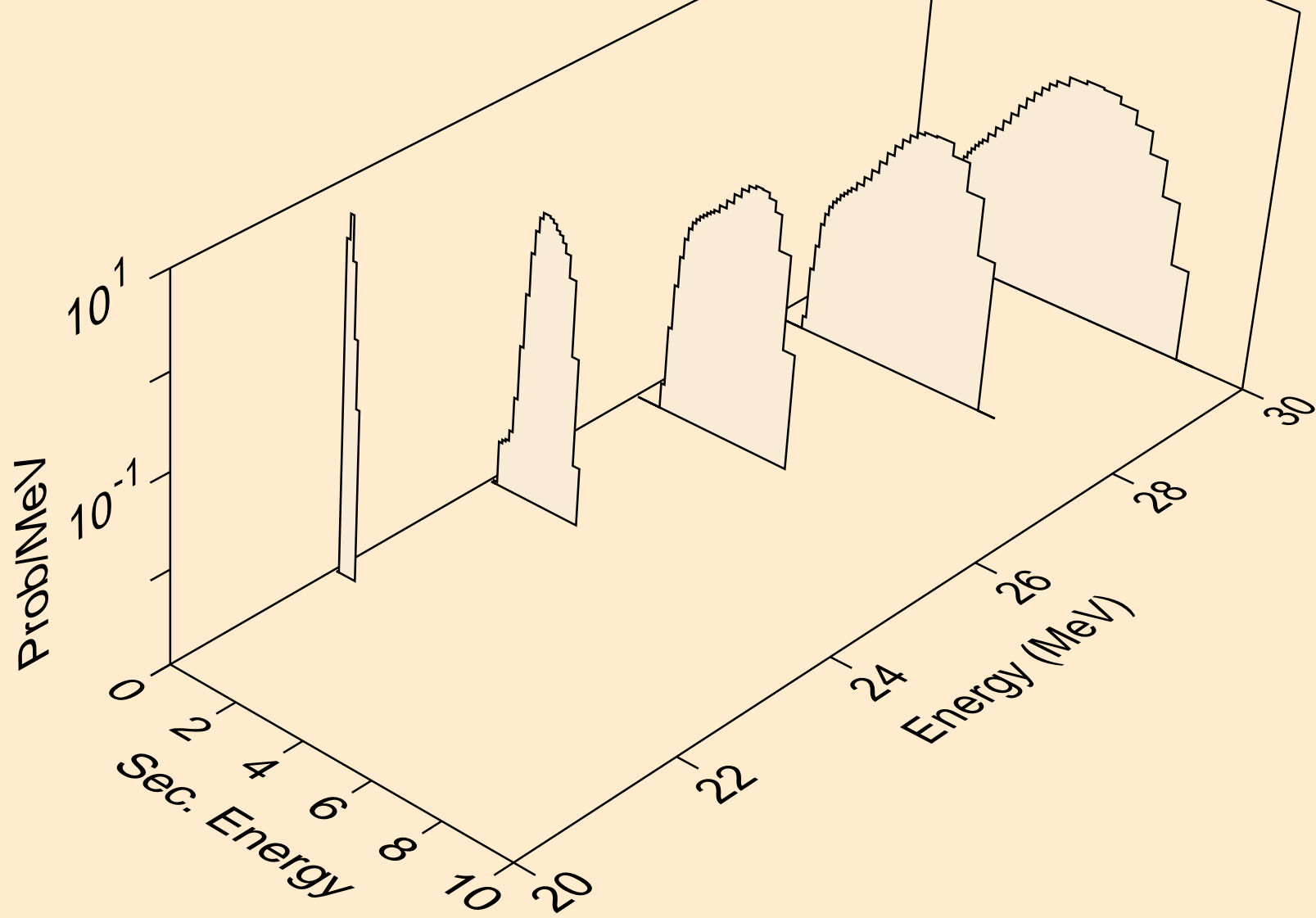
NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)



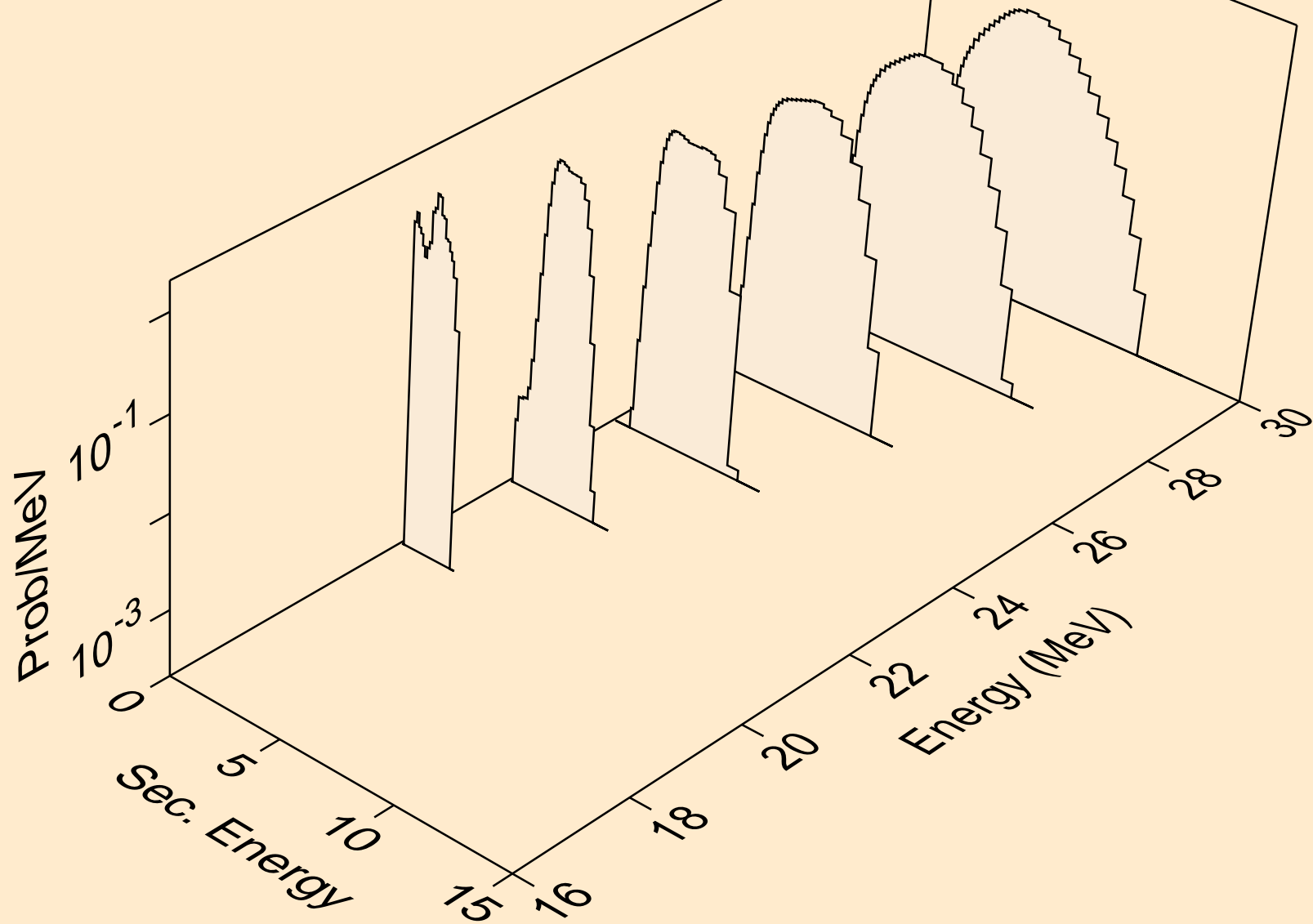
NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



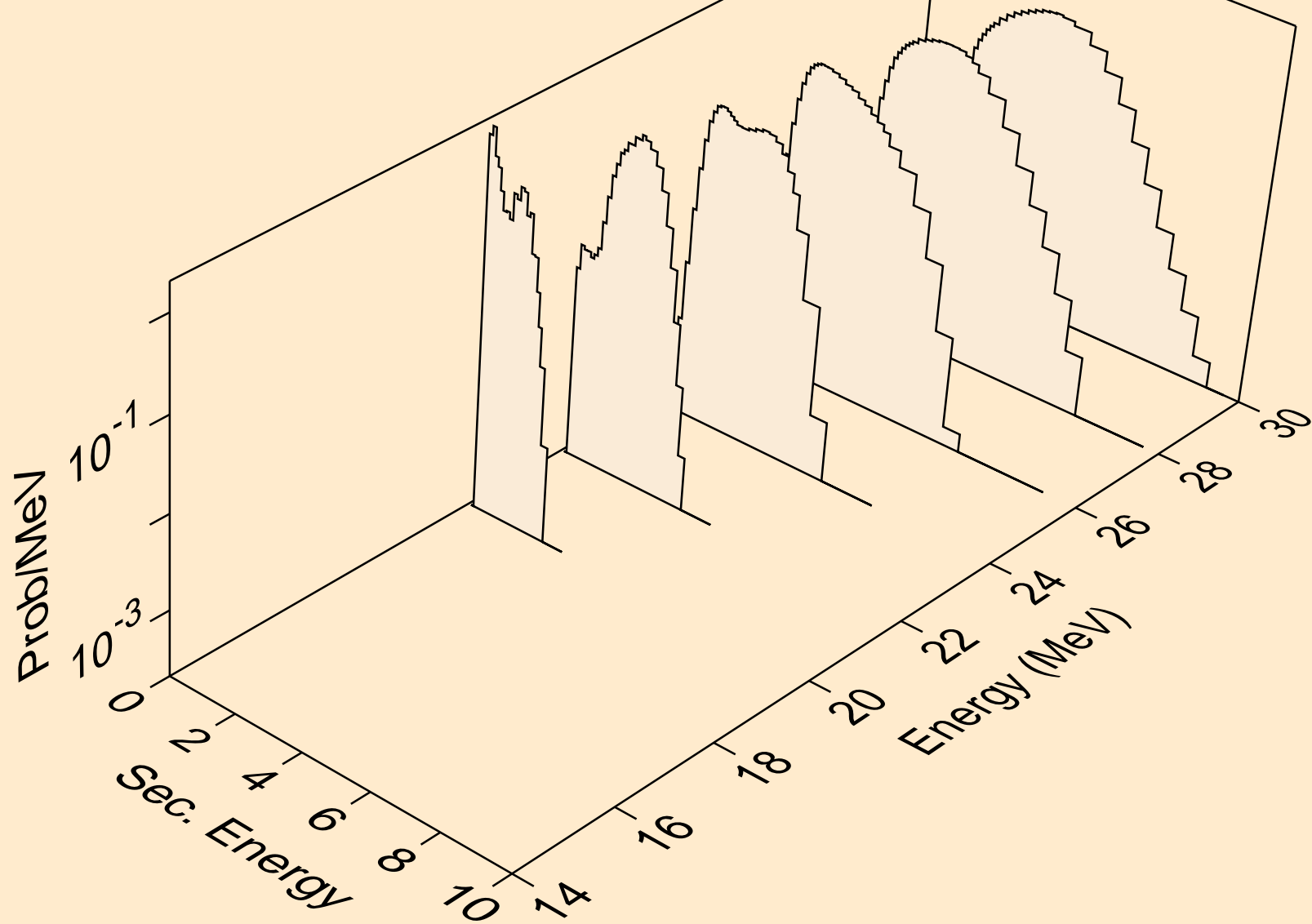
NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



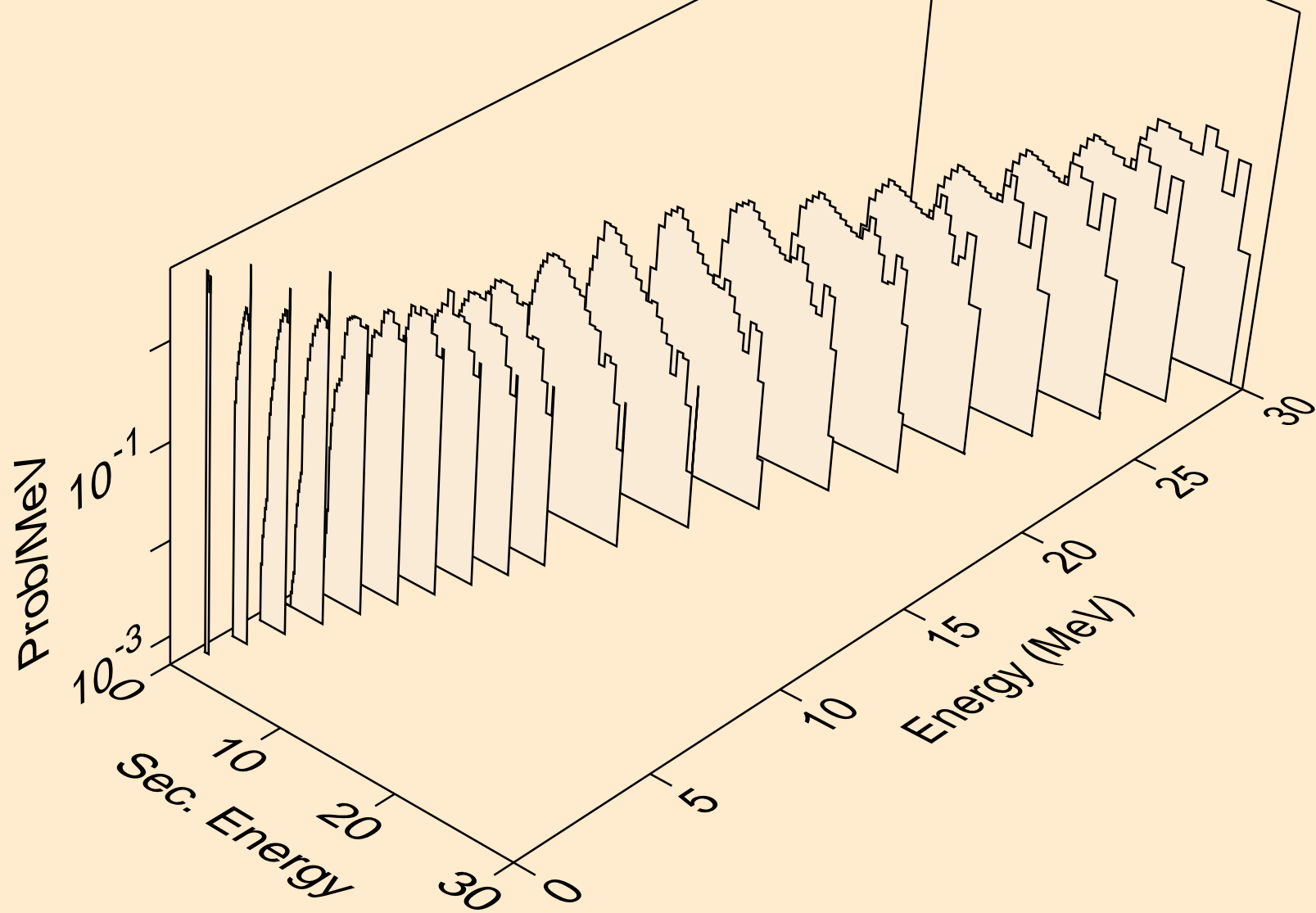
NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n2p)



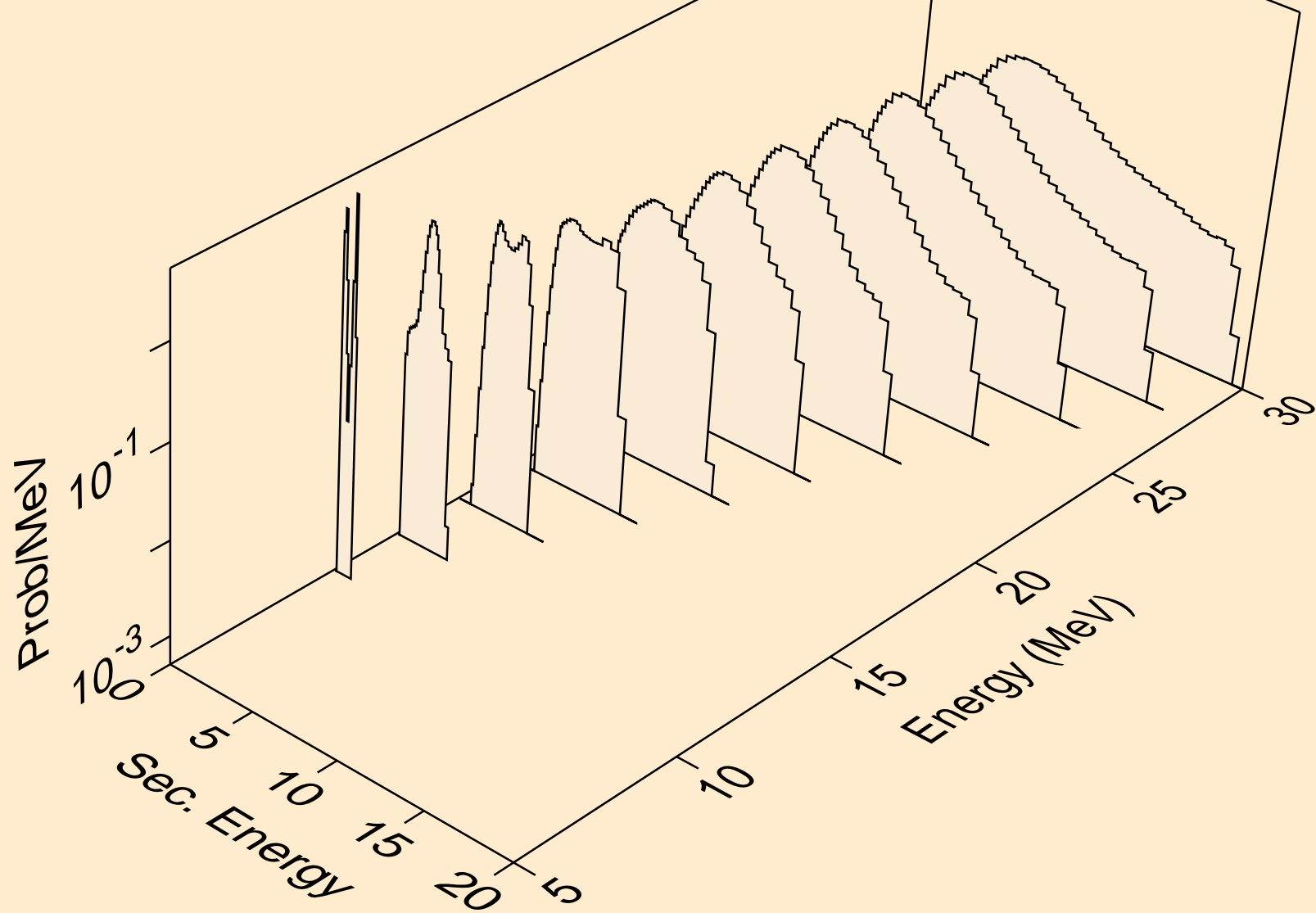
NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,npa)



NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic

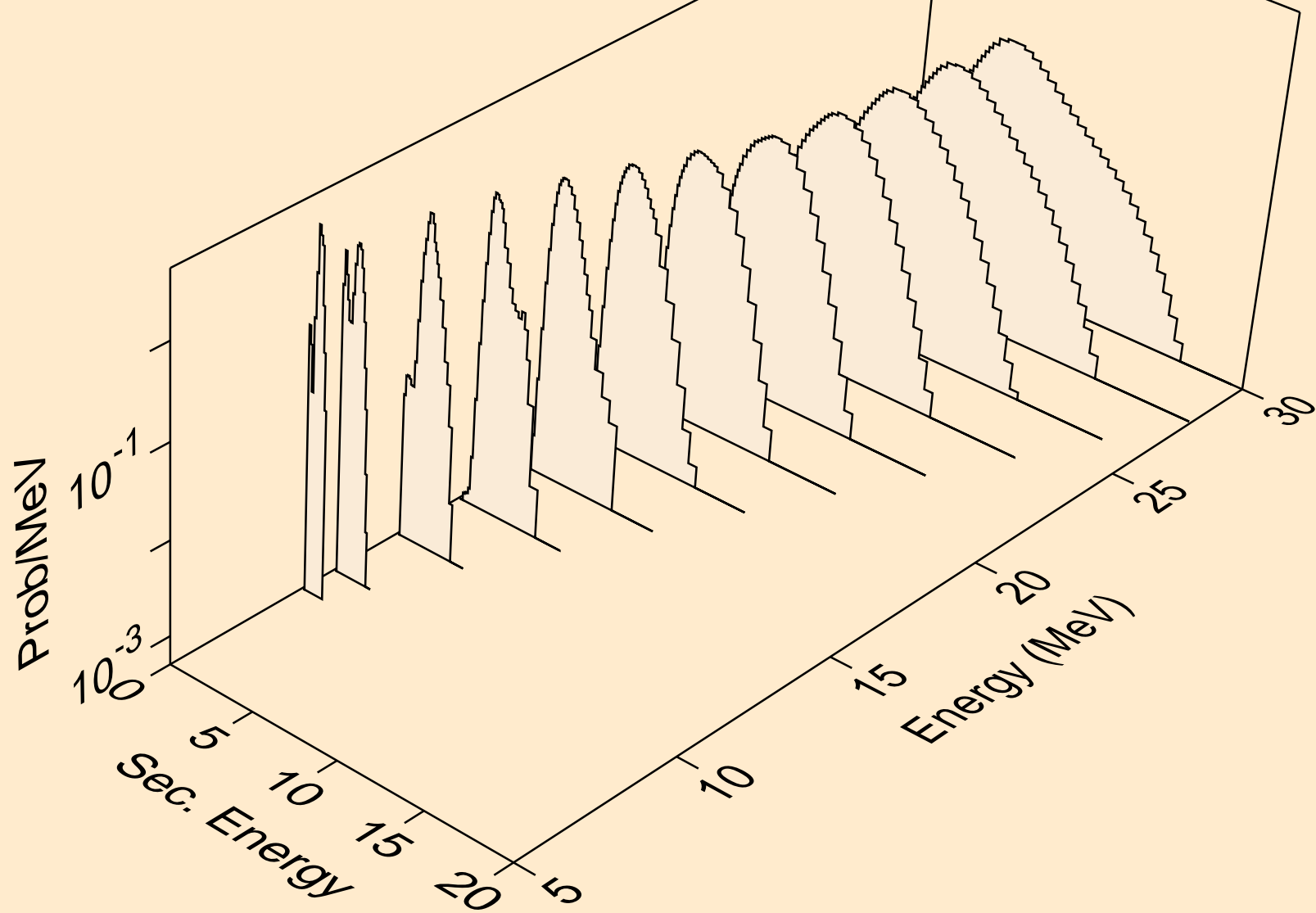


NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2p)

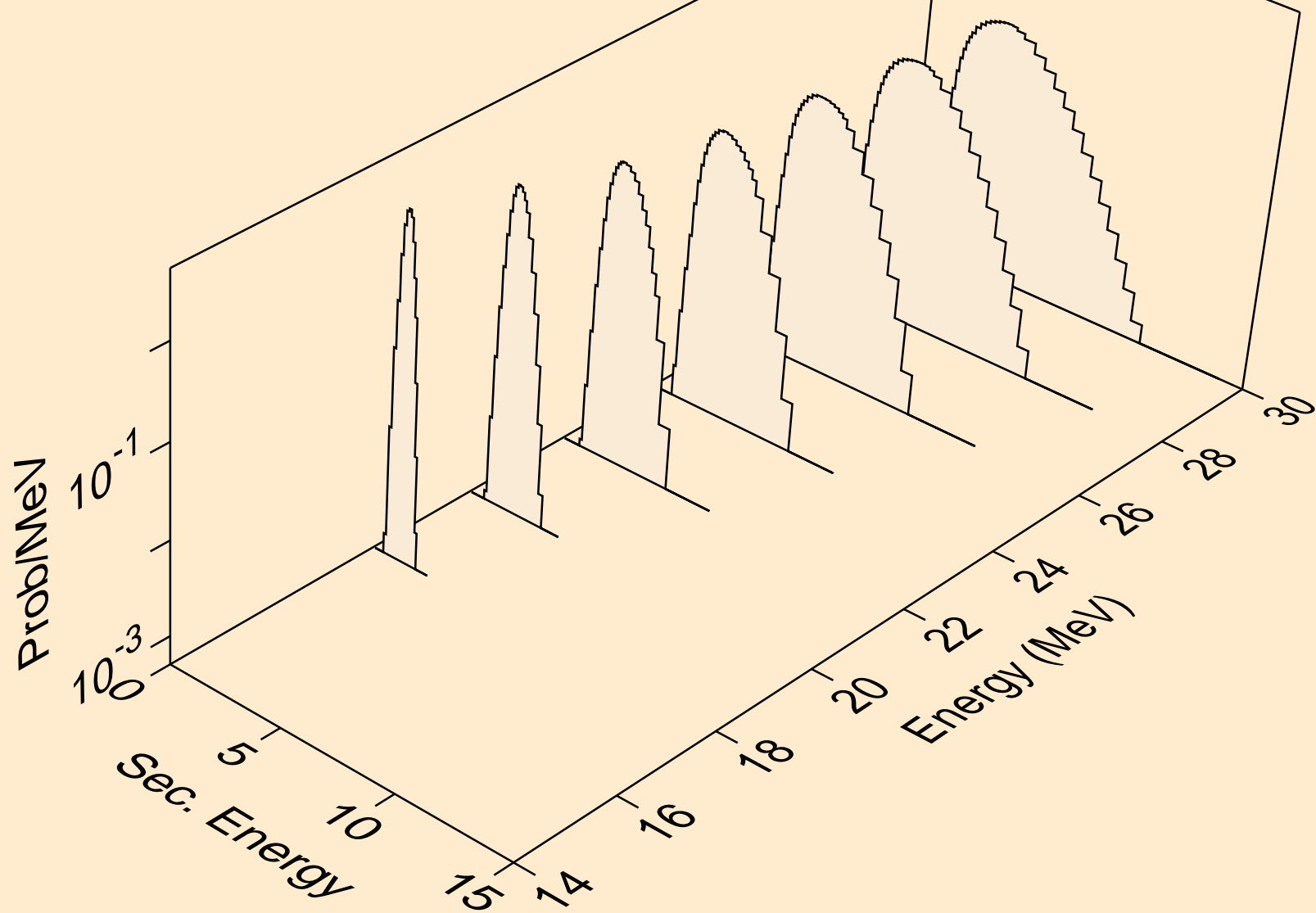




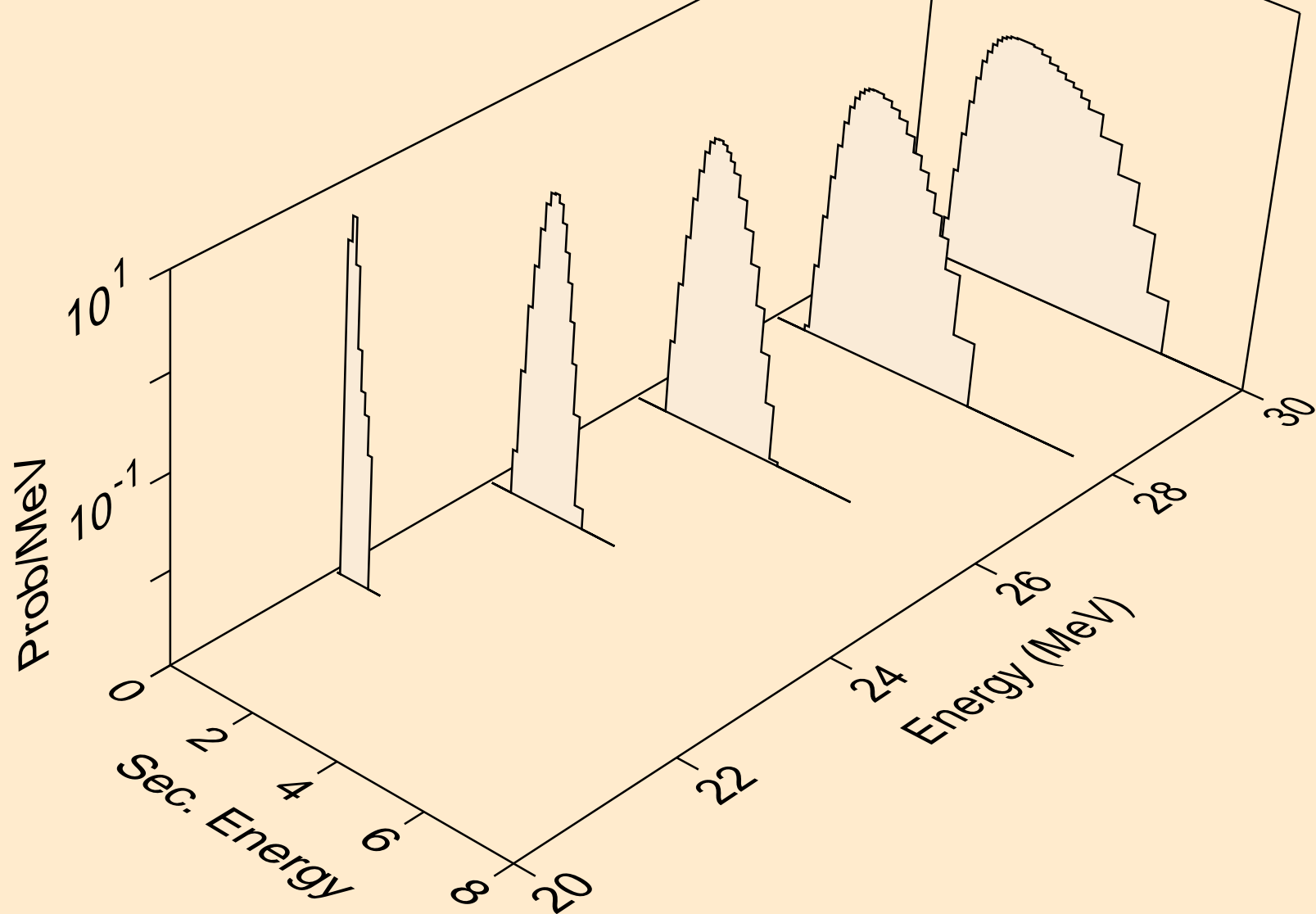
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Proton emission for (p,pa)



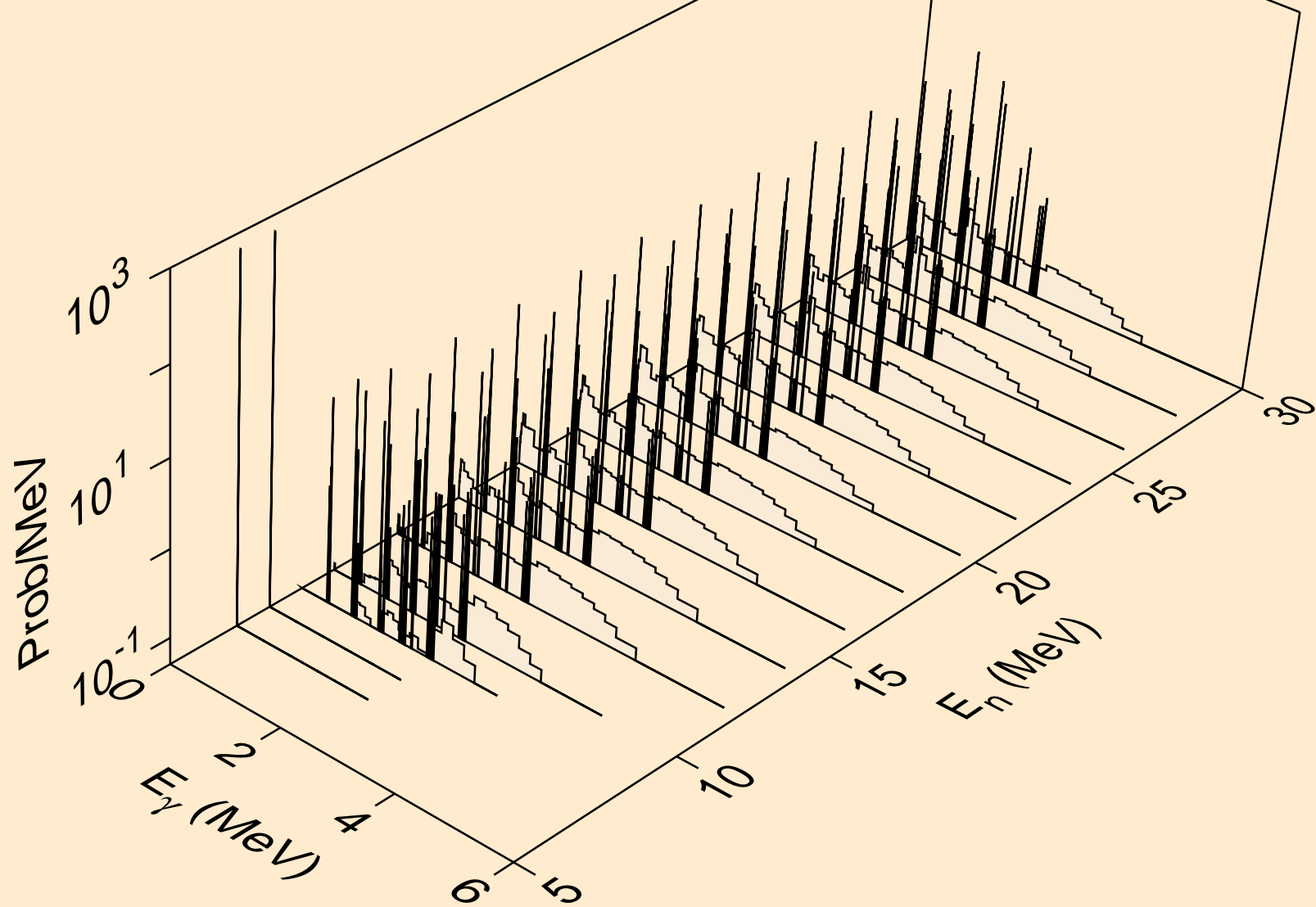
NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pd)



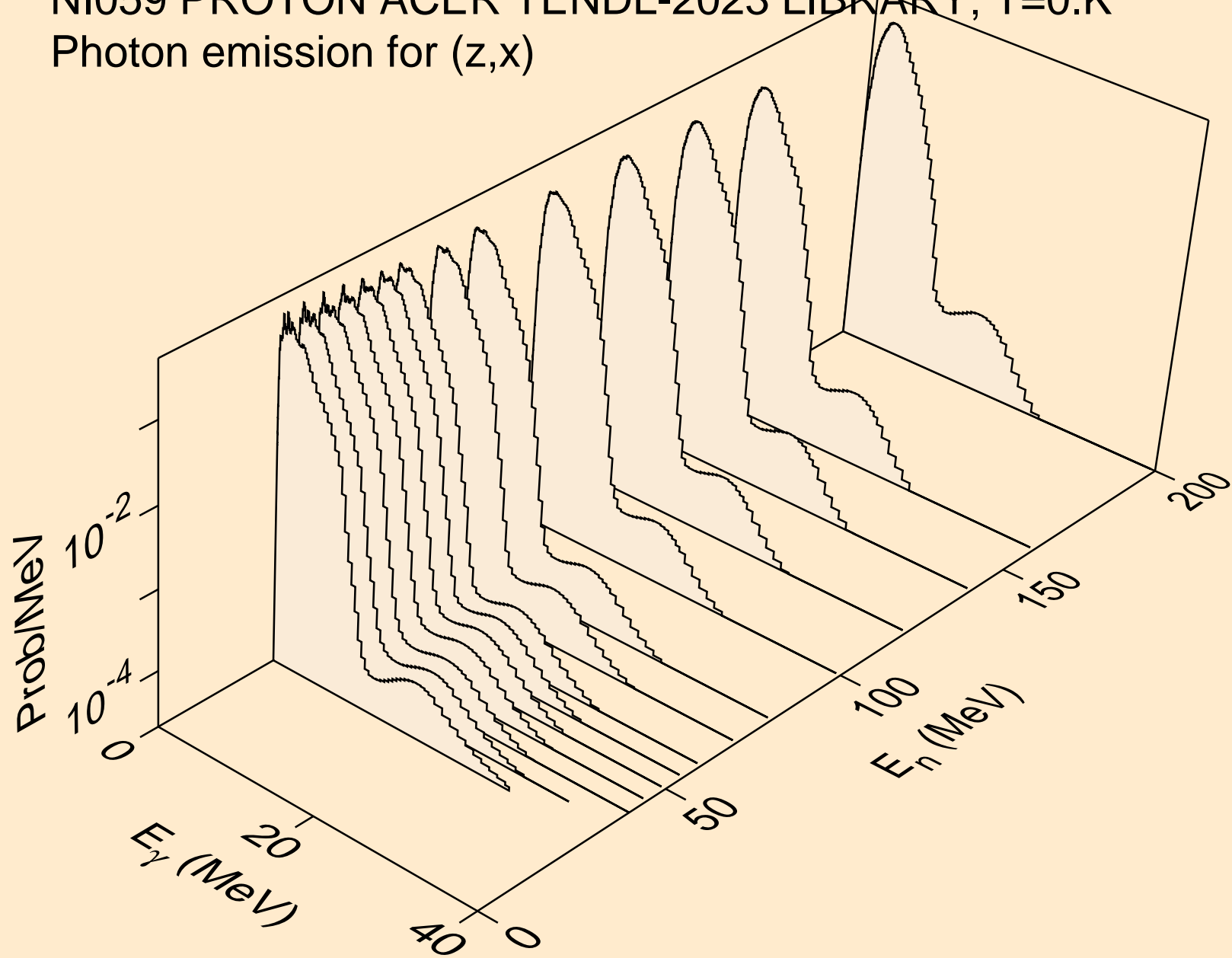
NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pt)



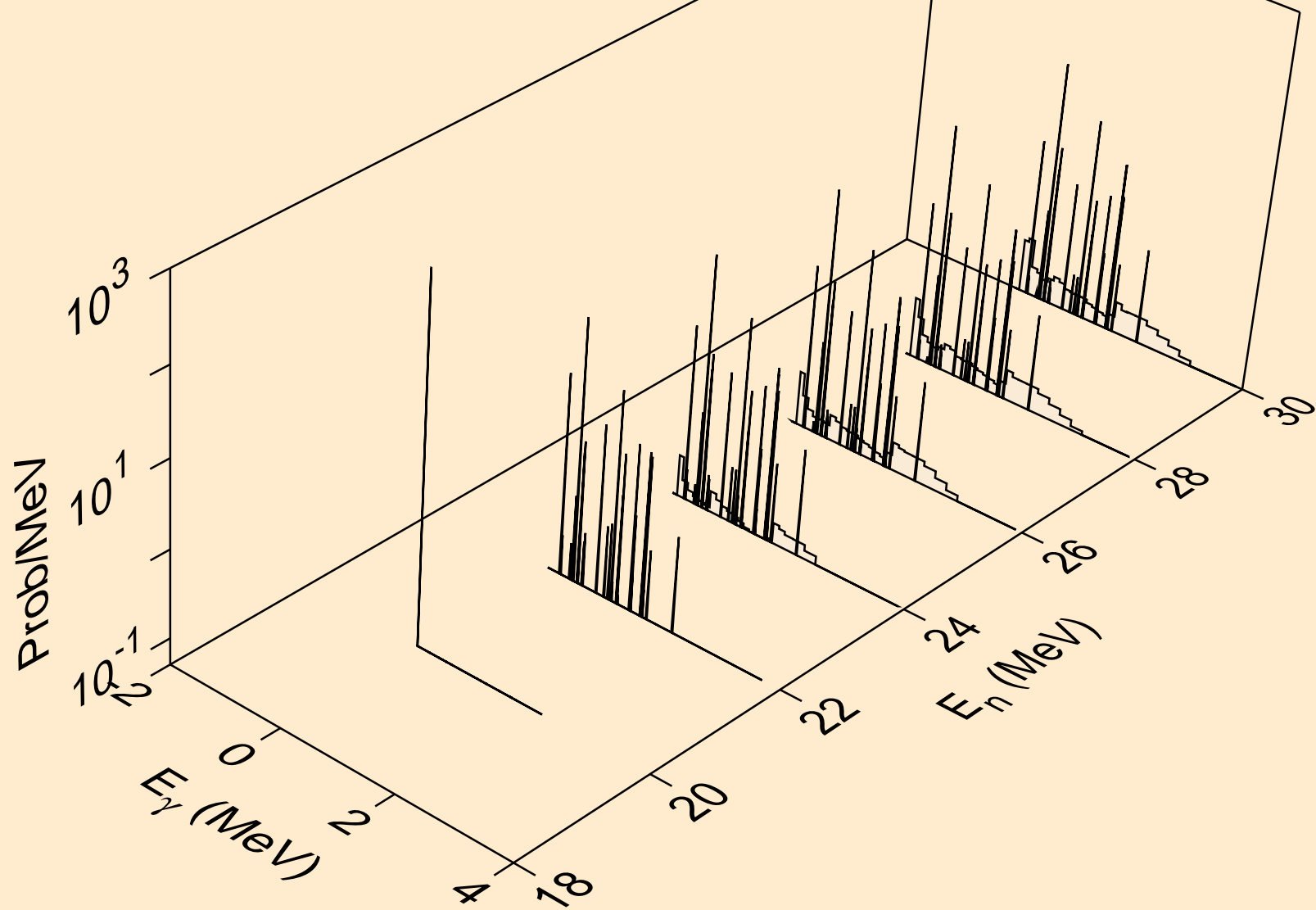
NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



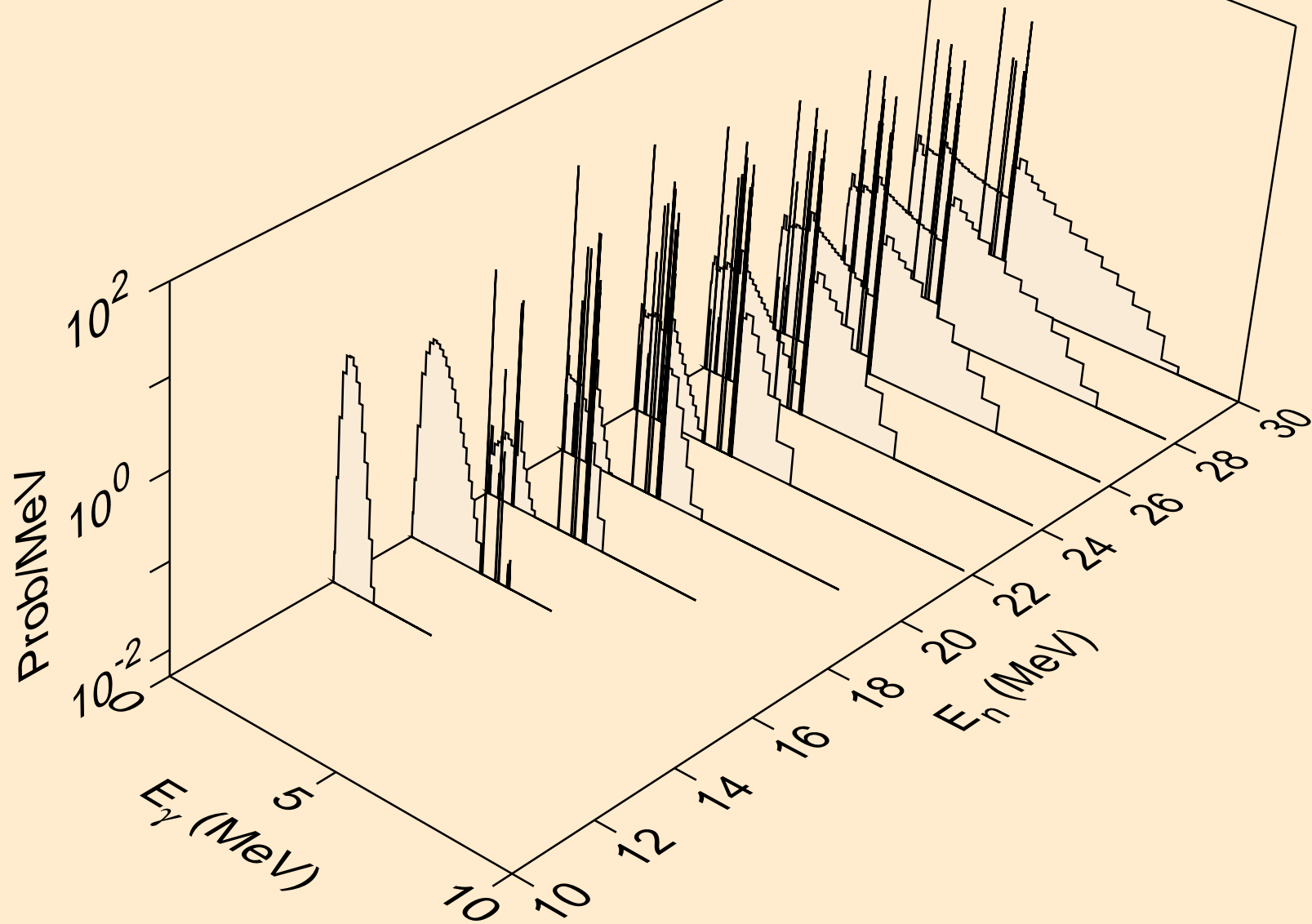
NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



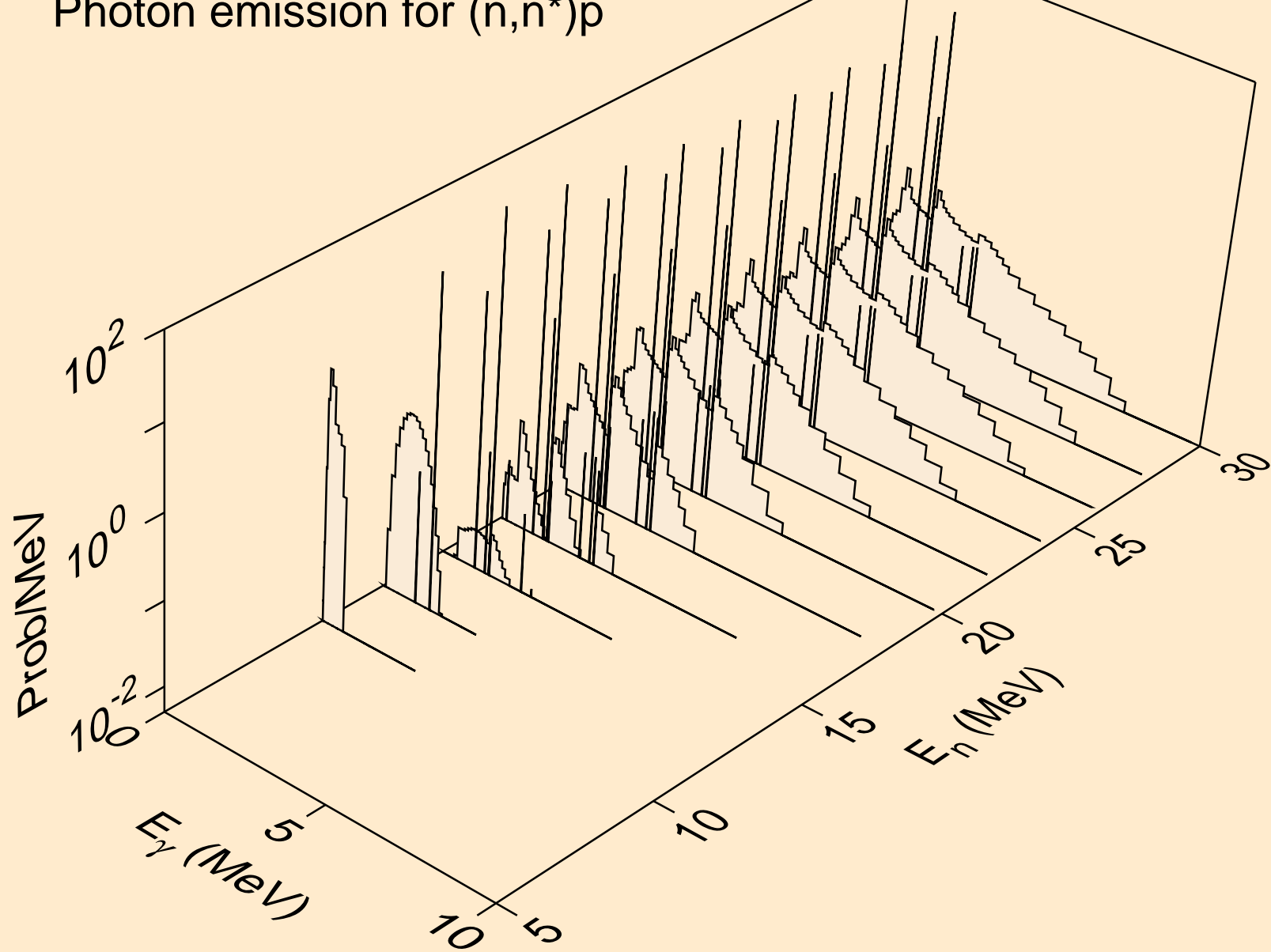
NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

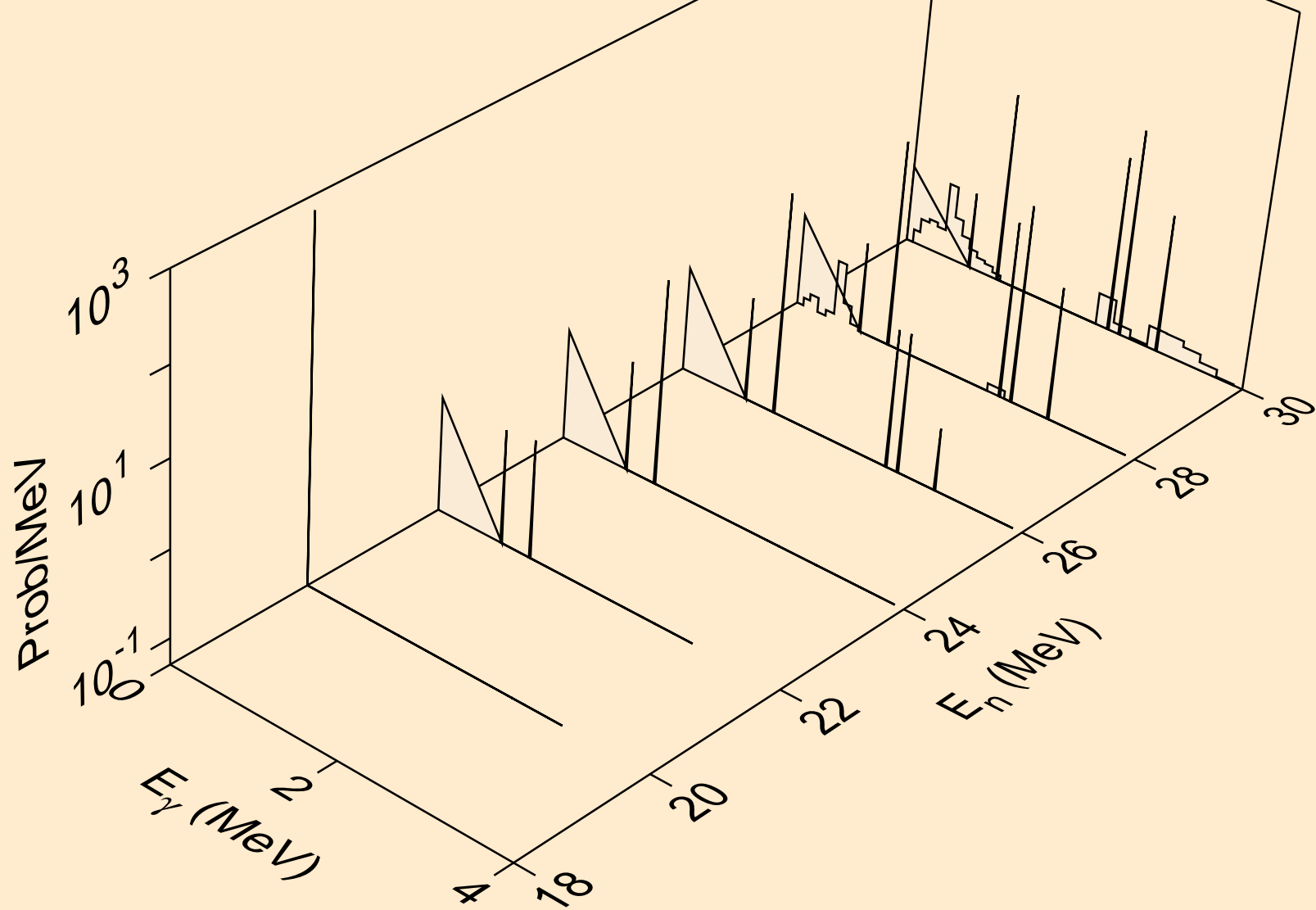


NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

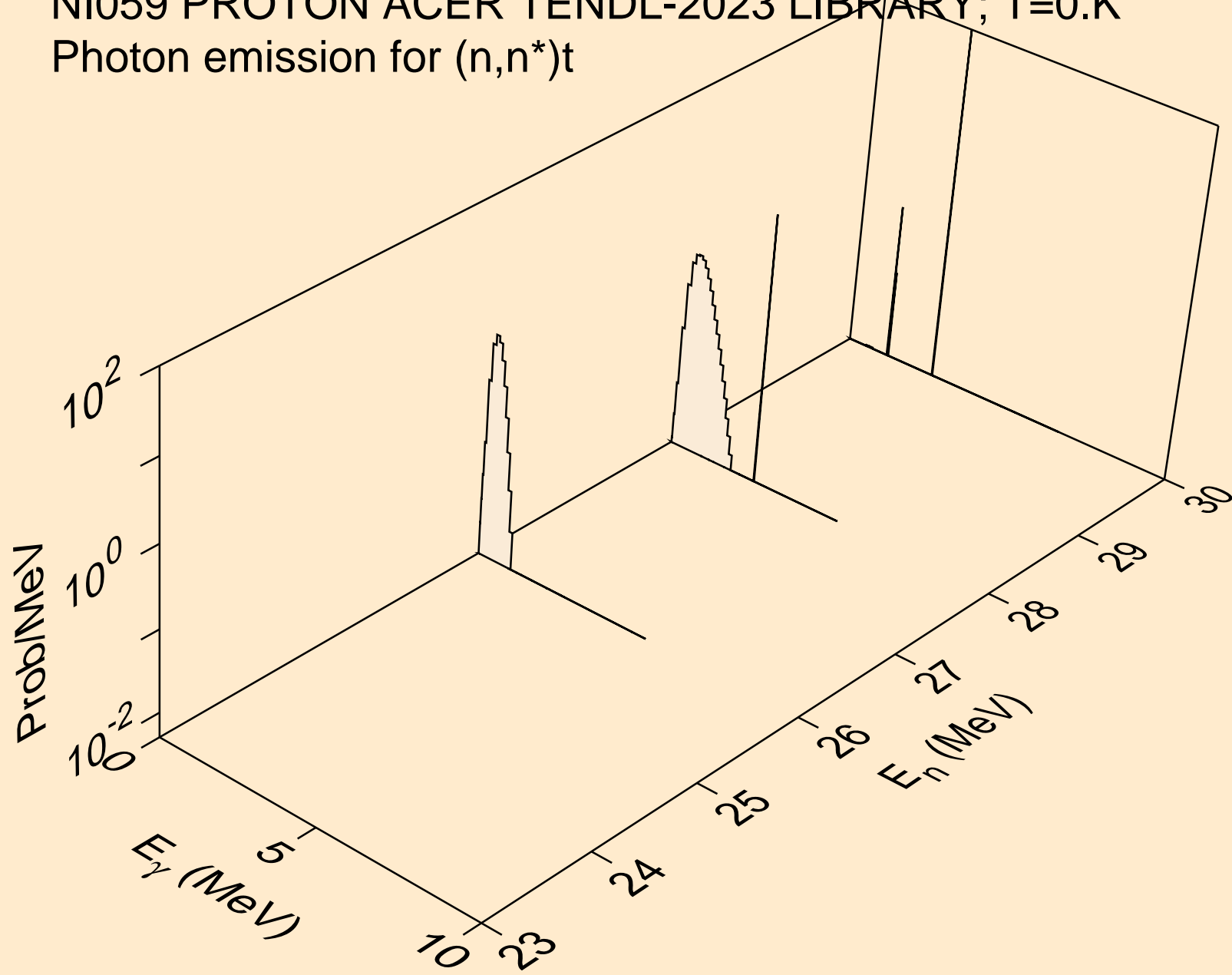




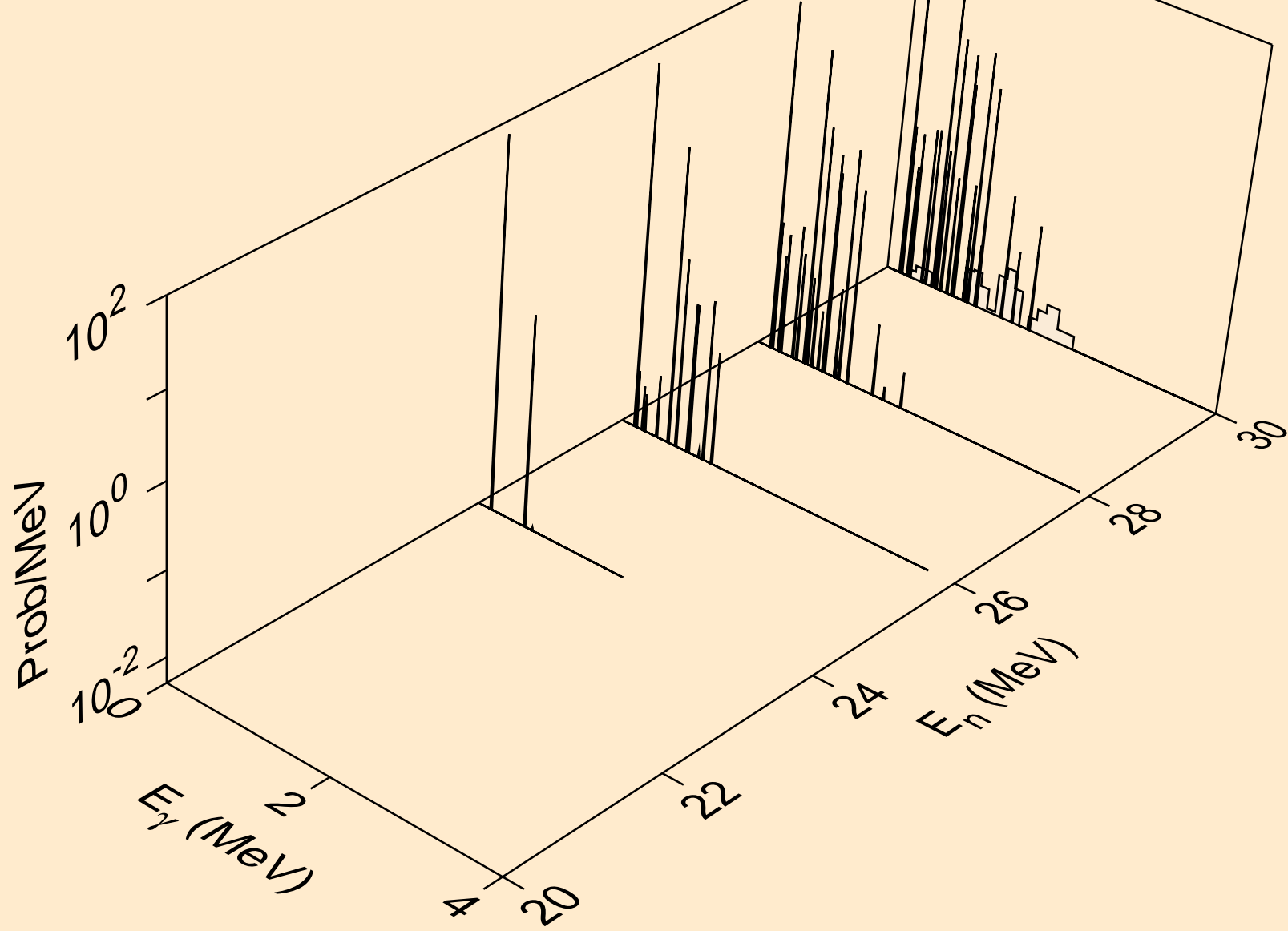
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Photon emission for (n,n\*)d



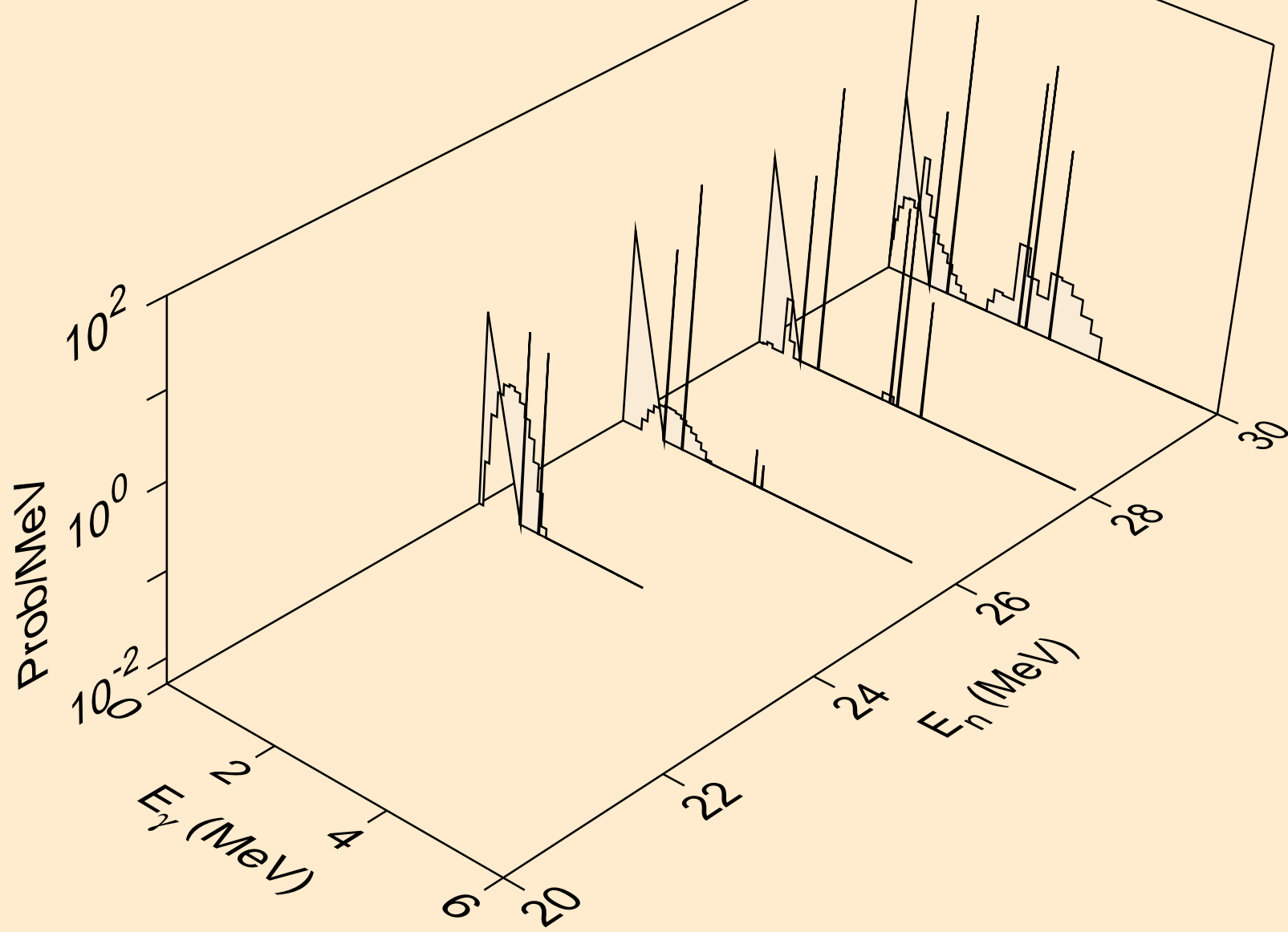
NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



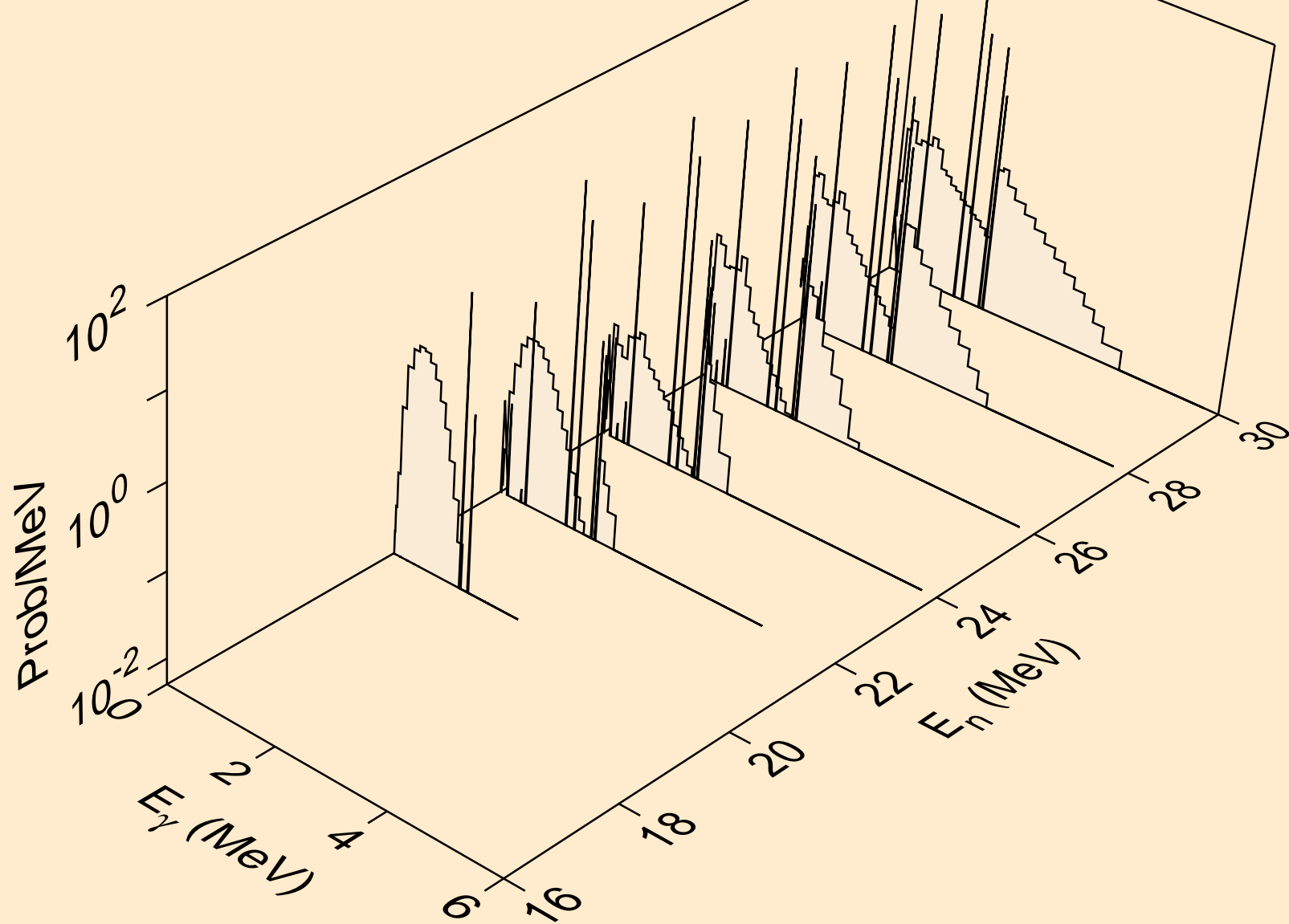
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Photon emission for (n,n\*)he3



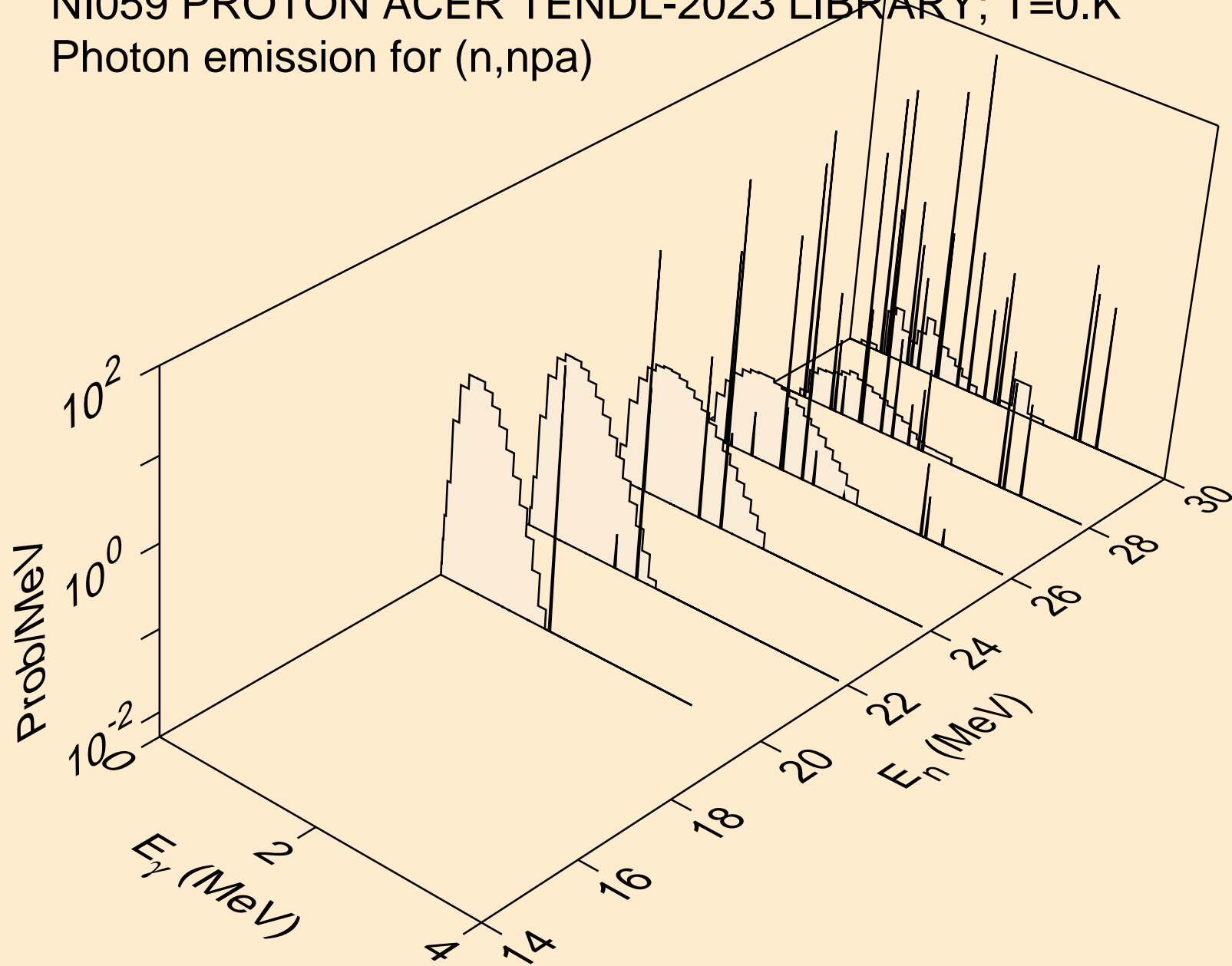
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Photon emission for (n,2np)



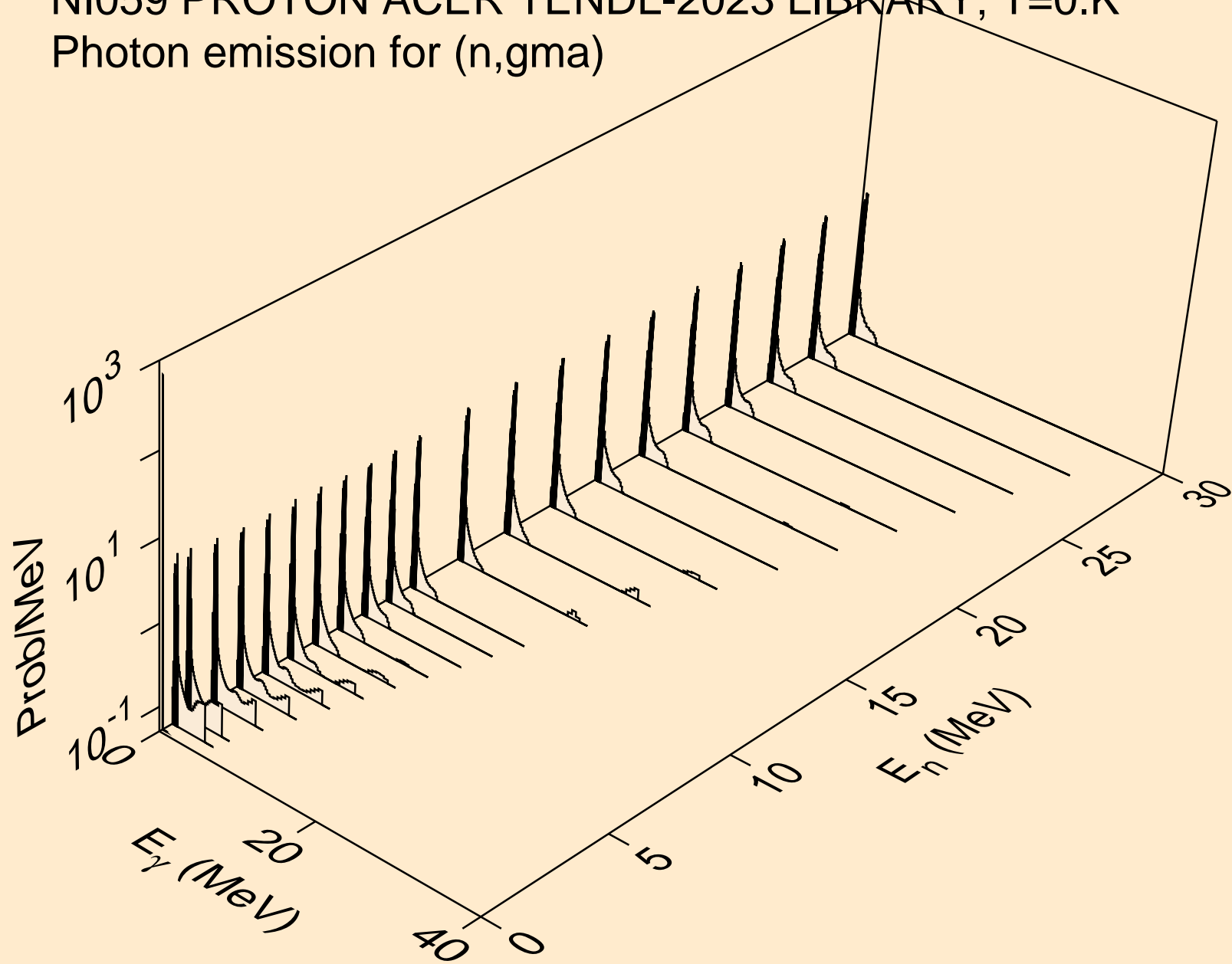
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Photon emission for (n,n2p)



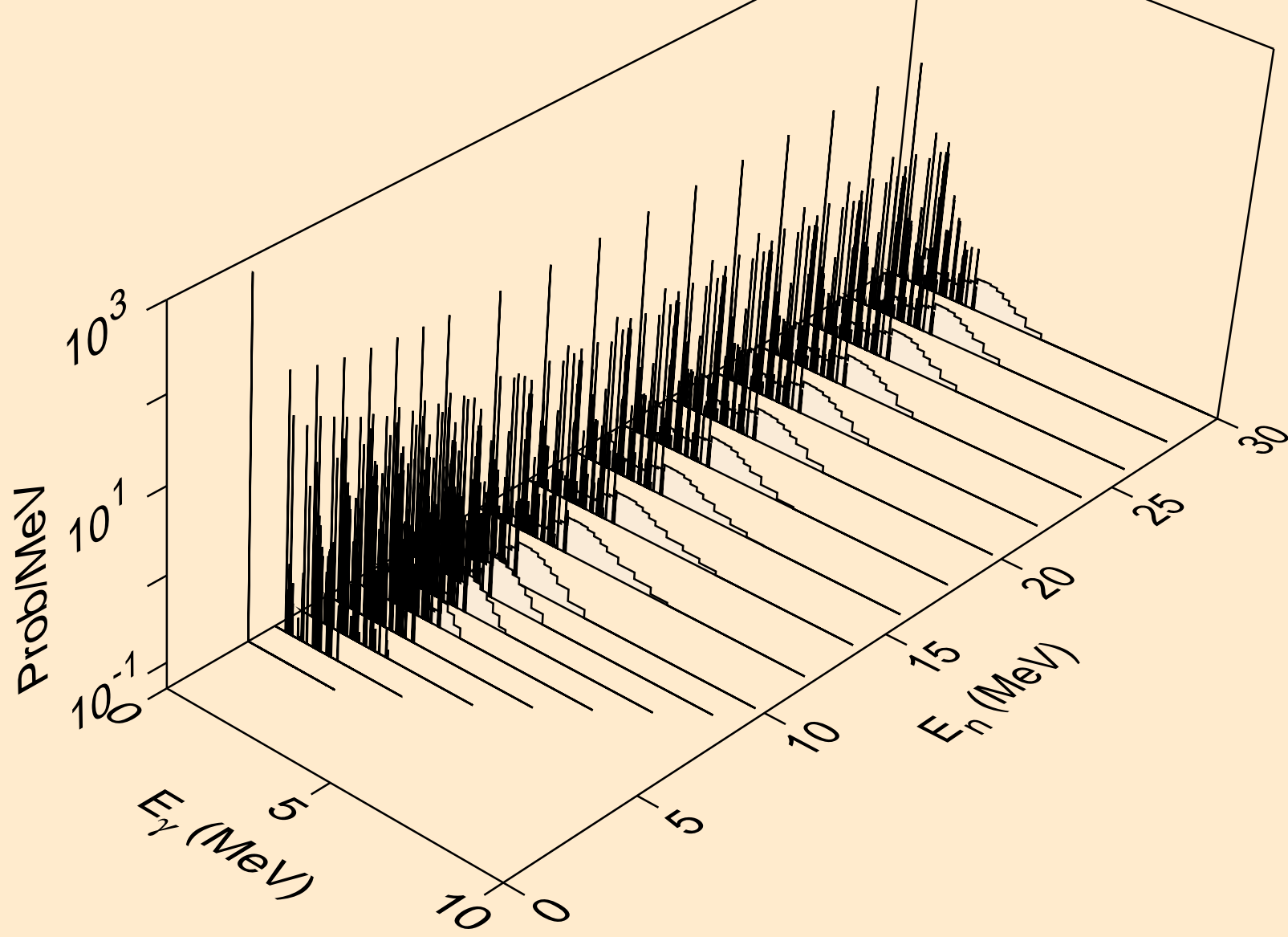
NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)

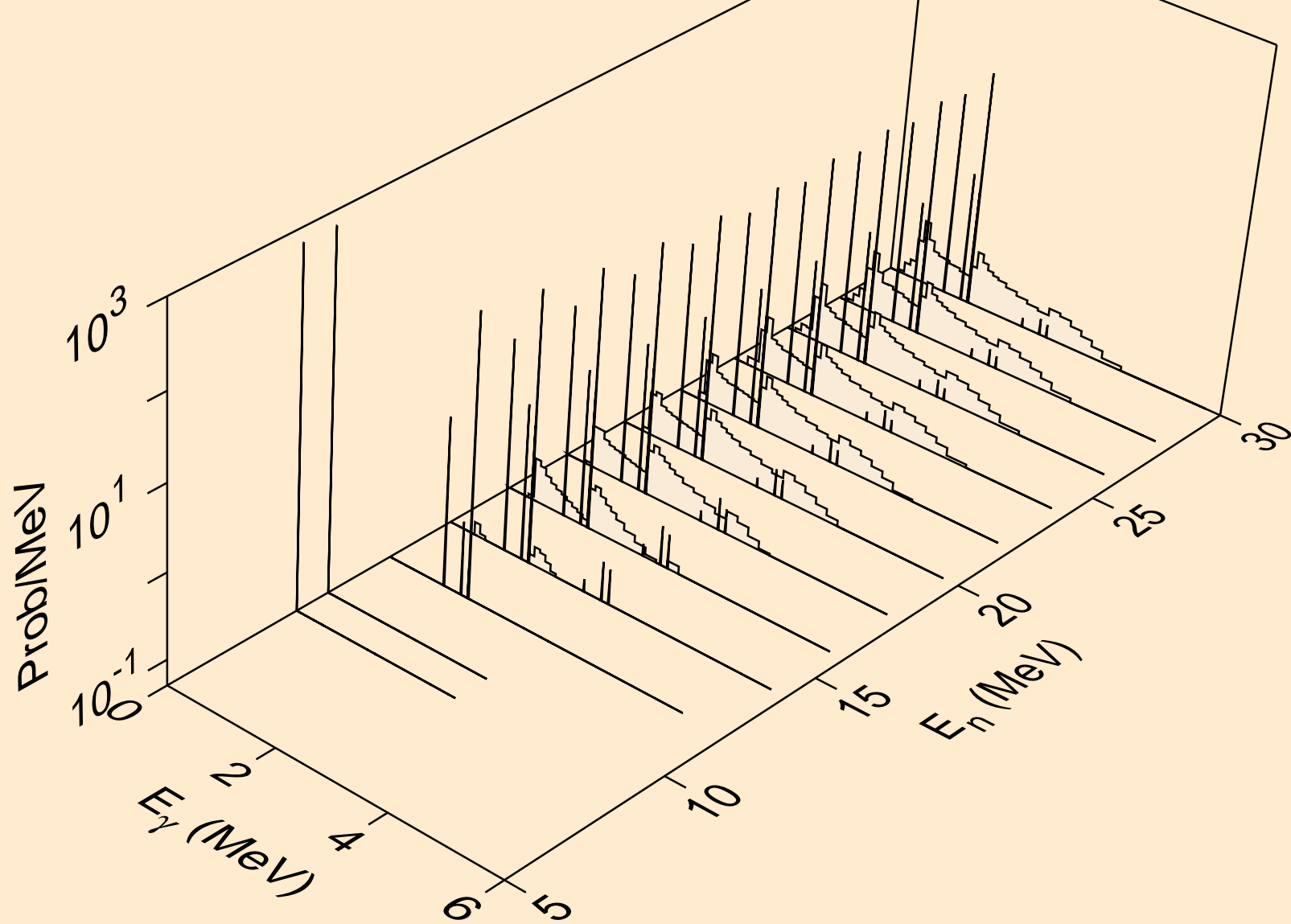


NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic

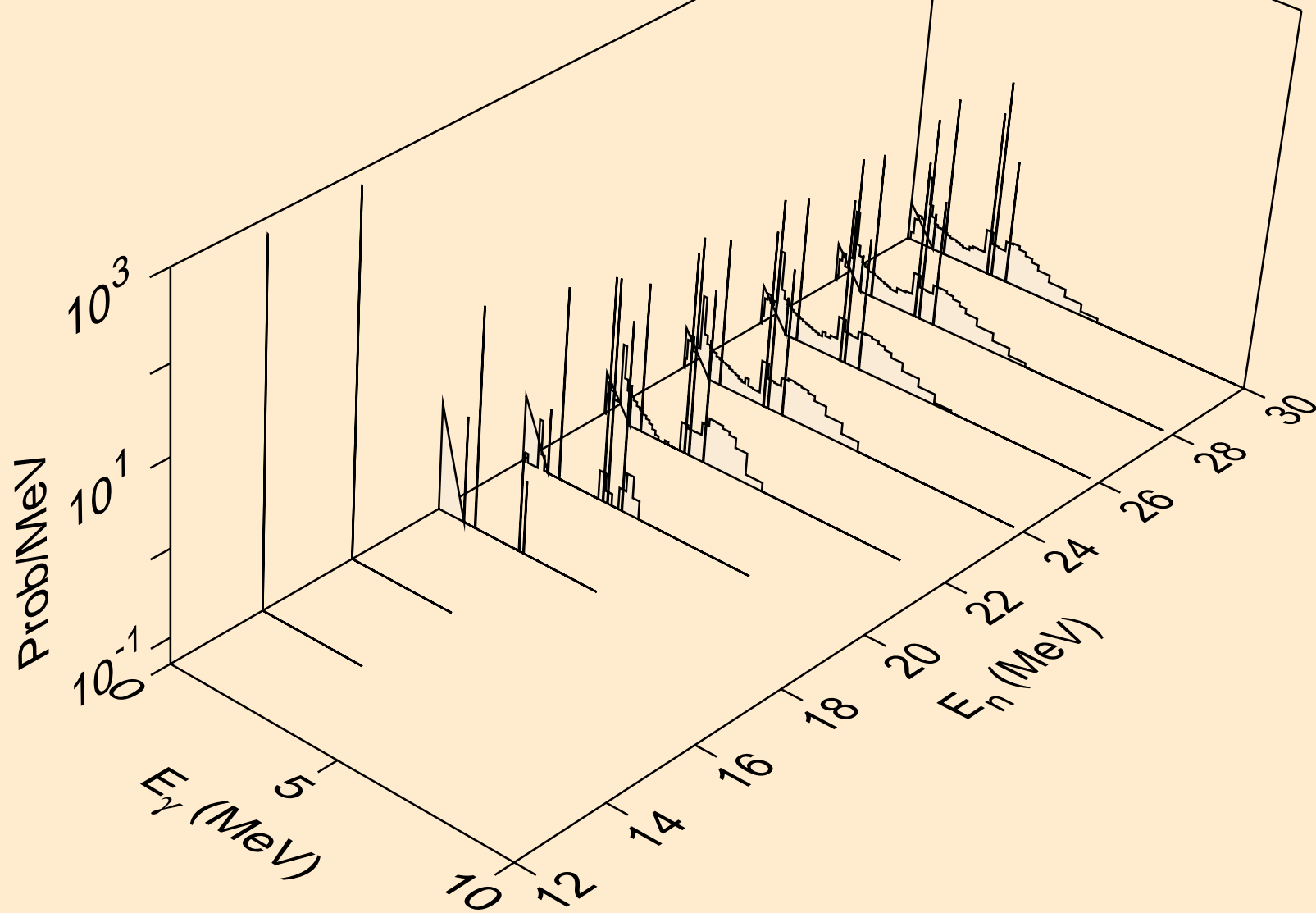




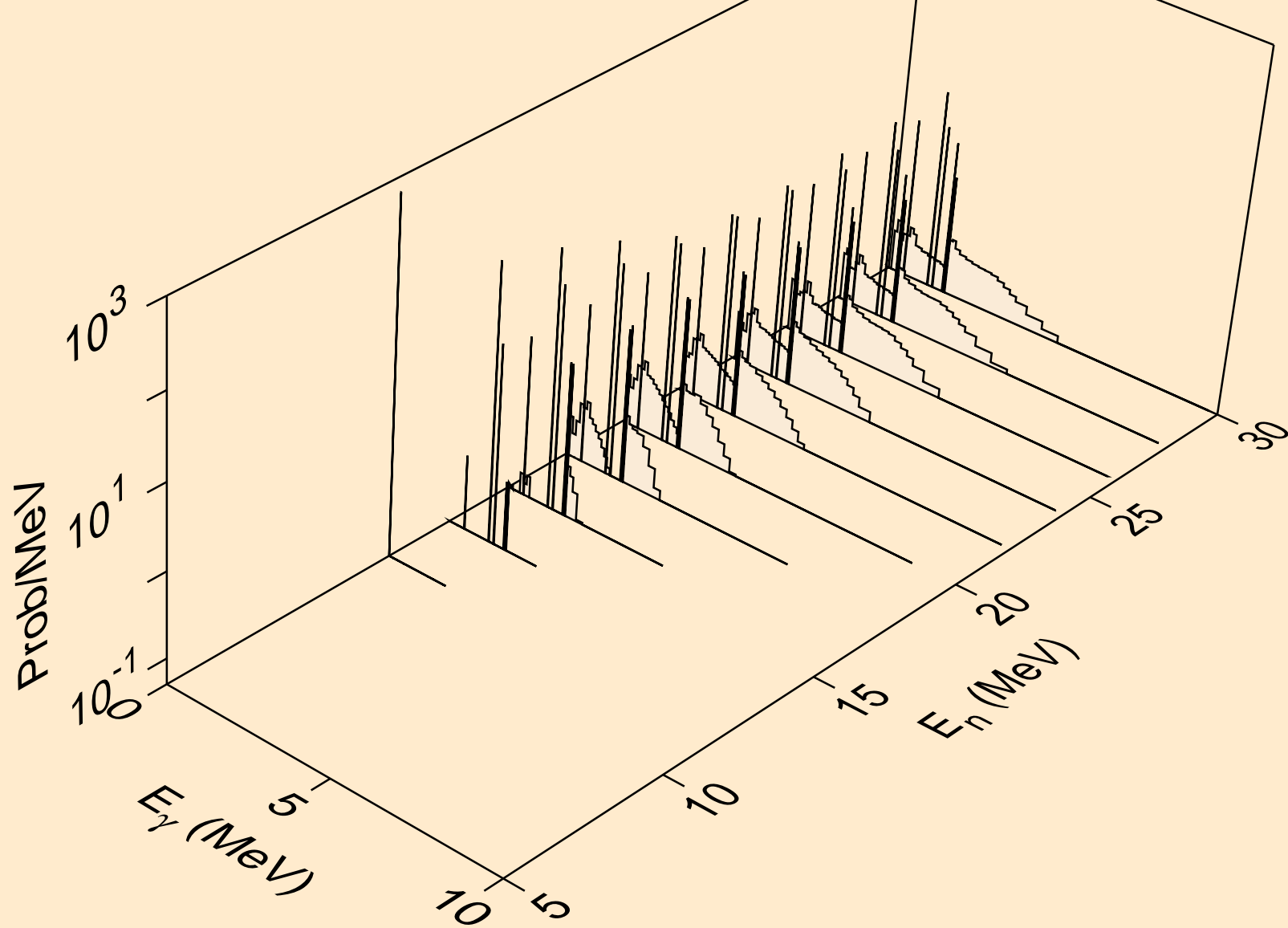
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Photon emission for (n,d)



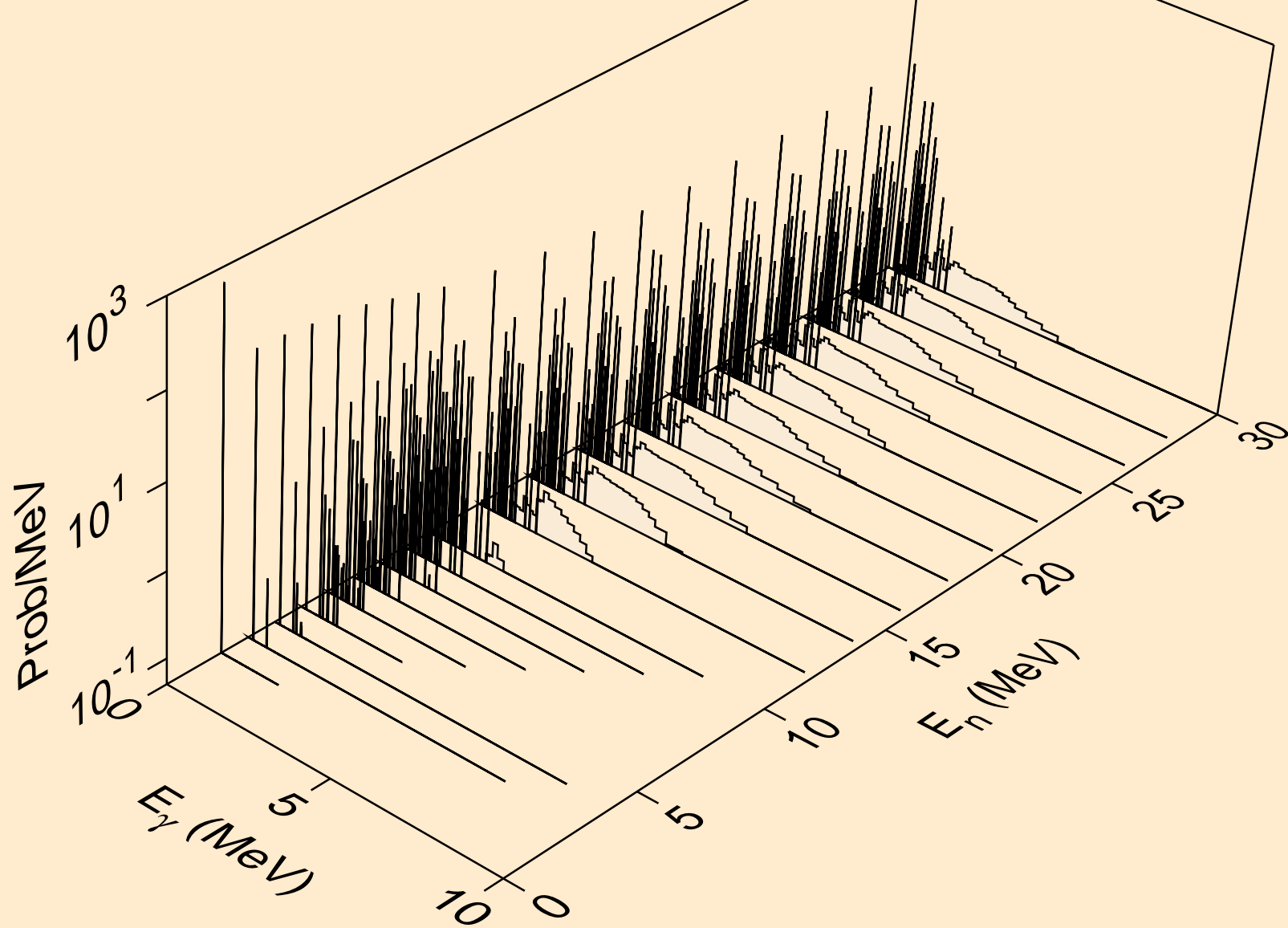
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Photon emission for (n,t)



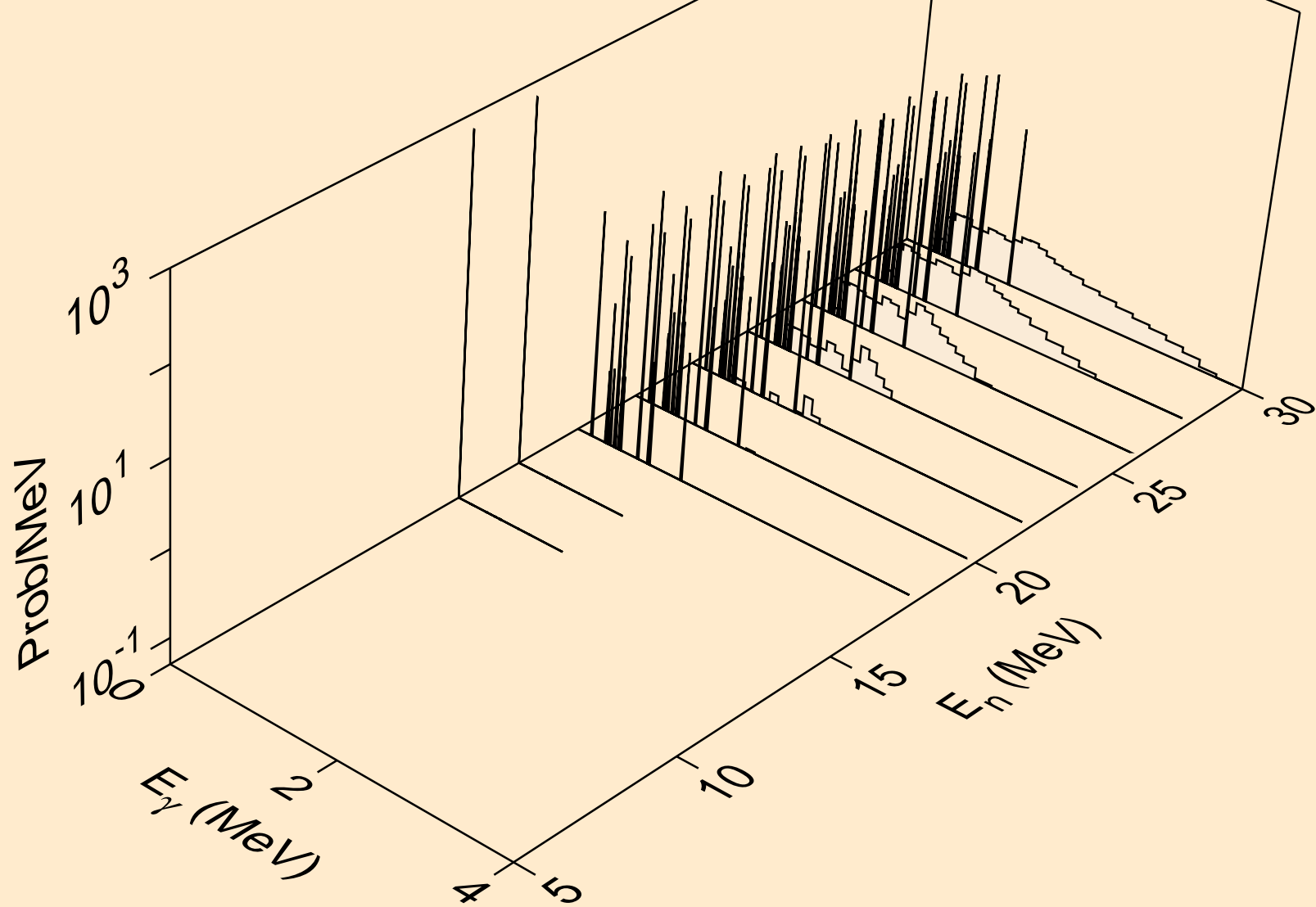
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Photon emission for (n,he3)



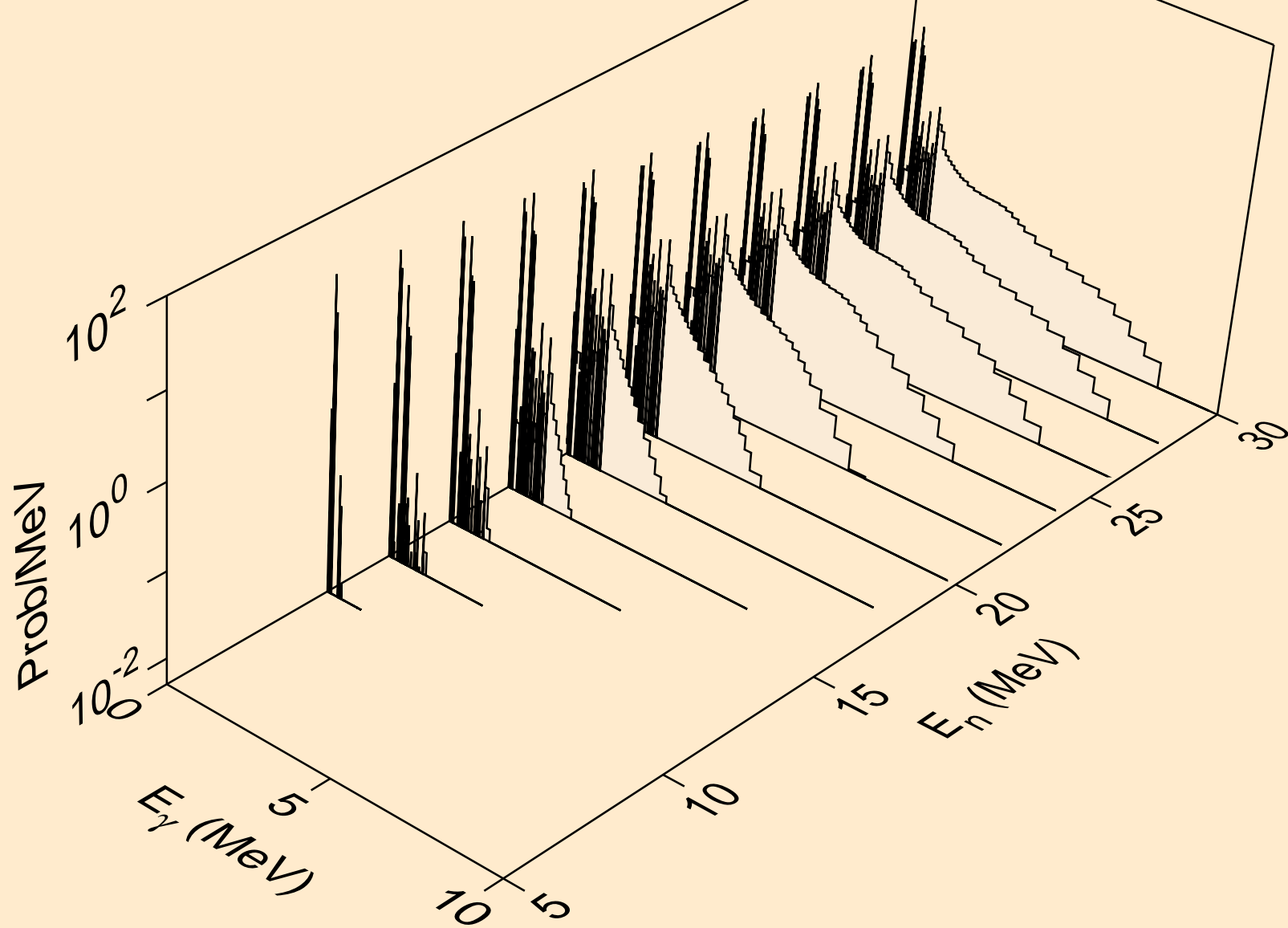
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Photon emission for (n,a)



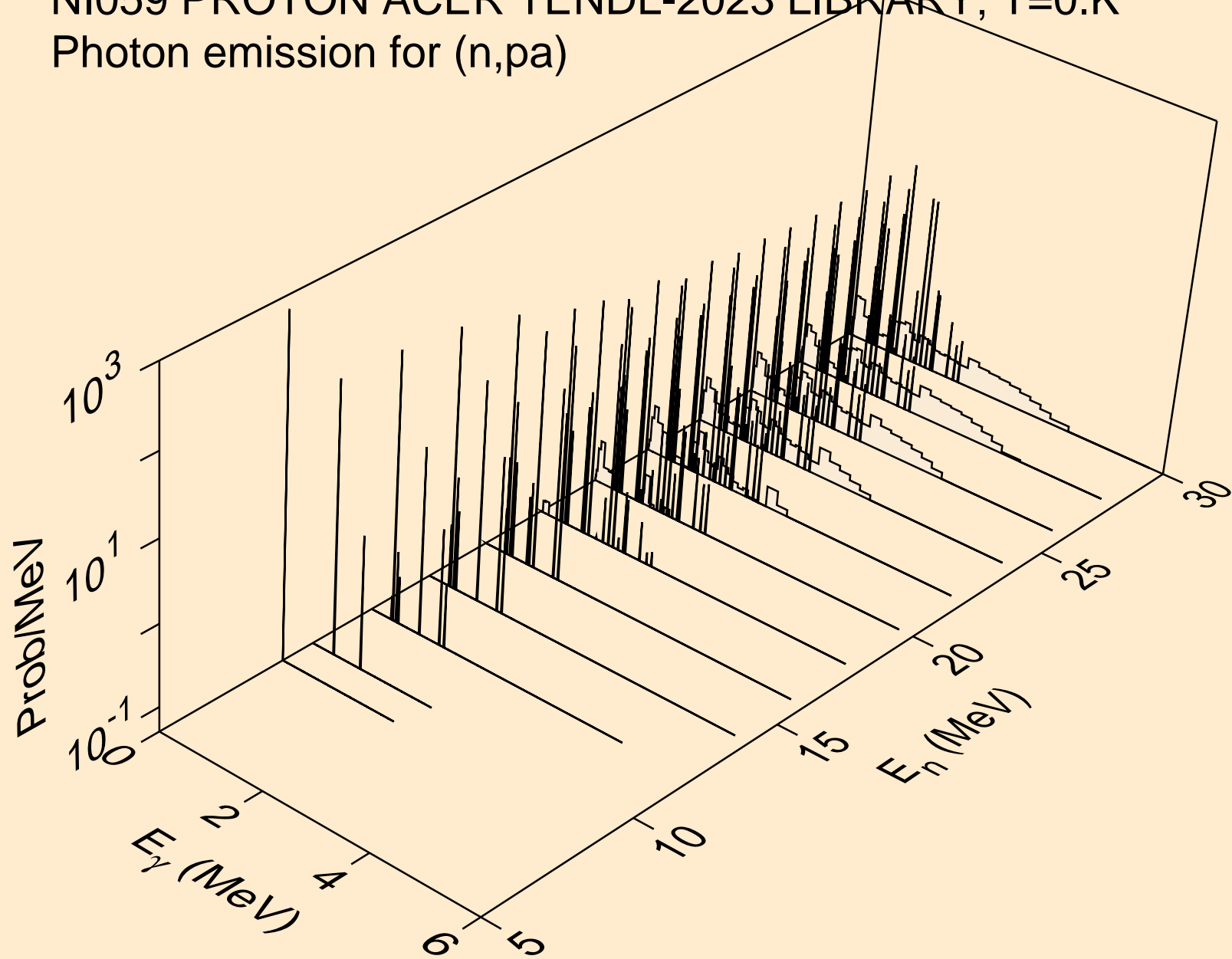
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Photon emission for (n,2a)



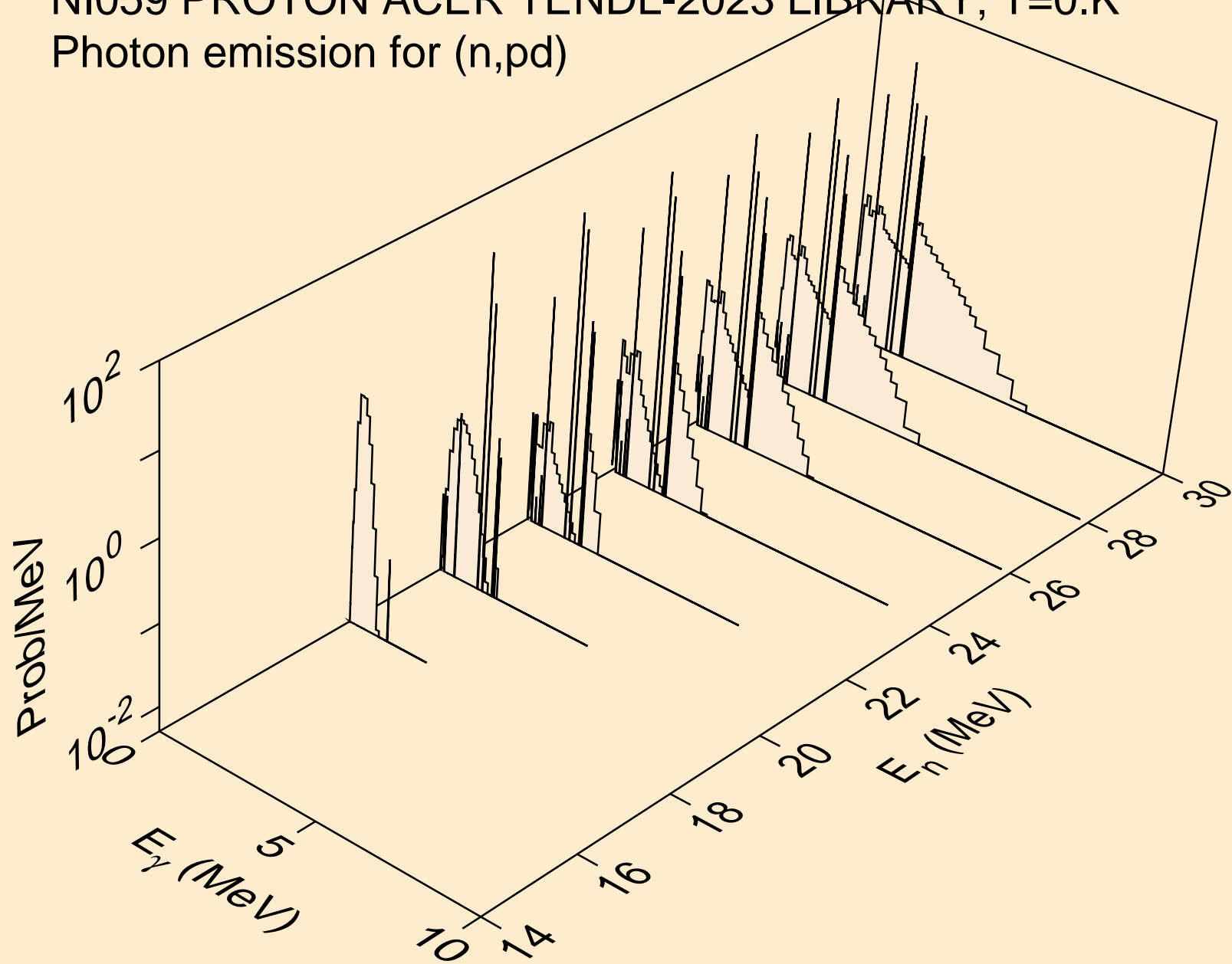
NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)

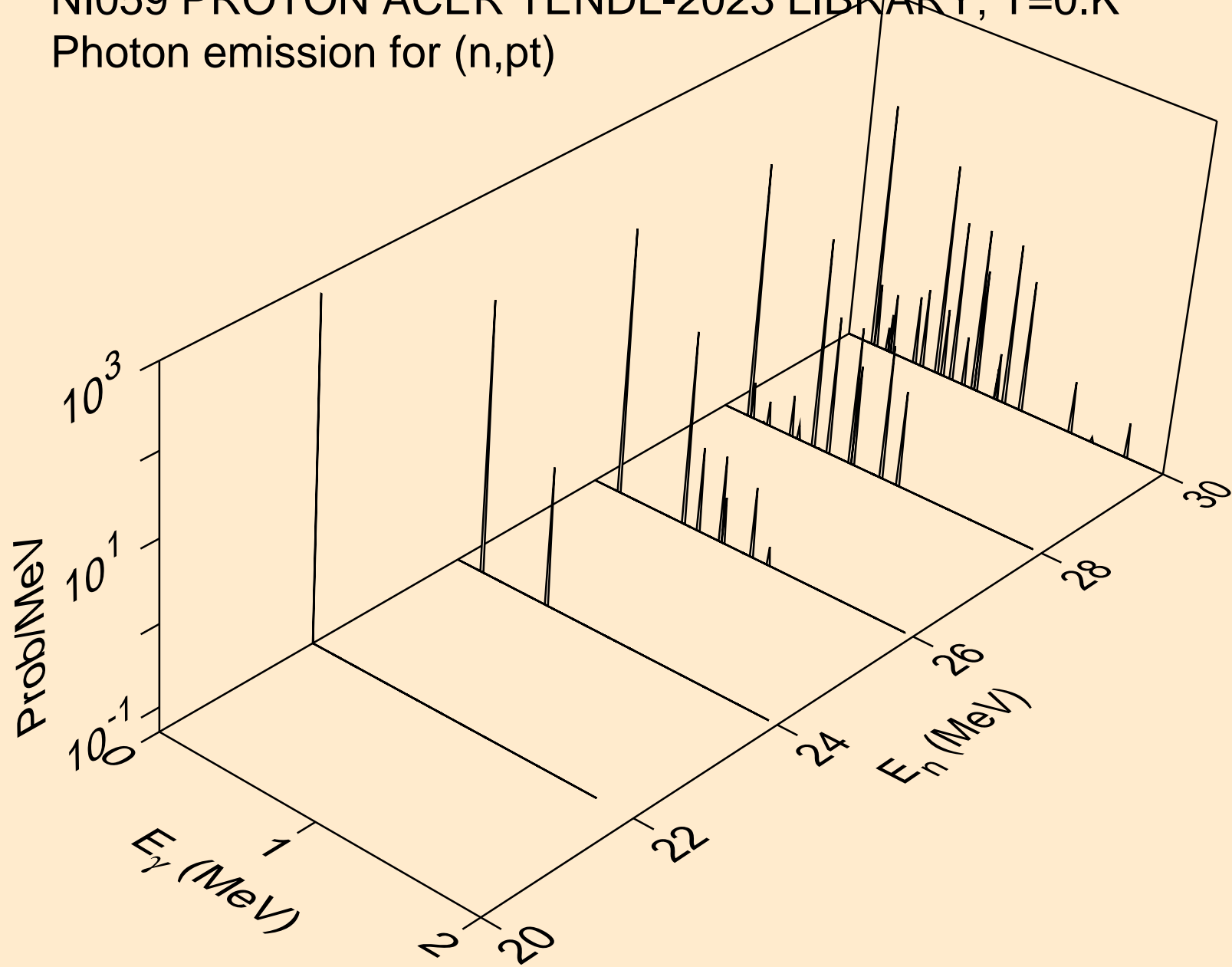


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Photon emission for (n,pd)

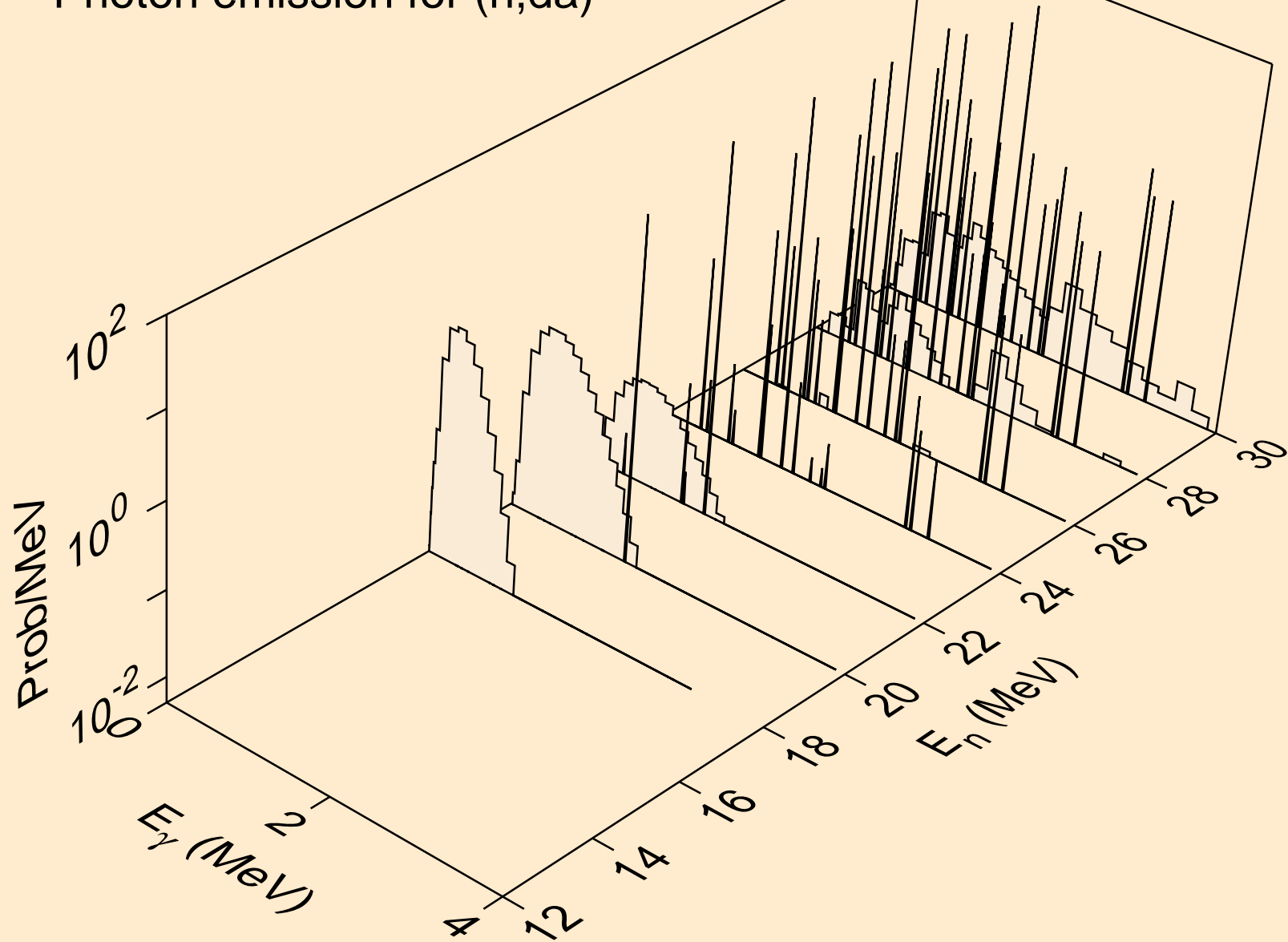




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Photon emission for (n,pt)

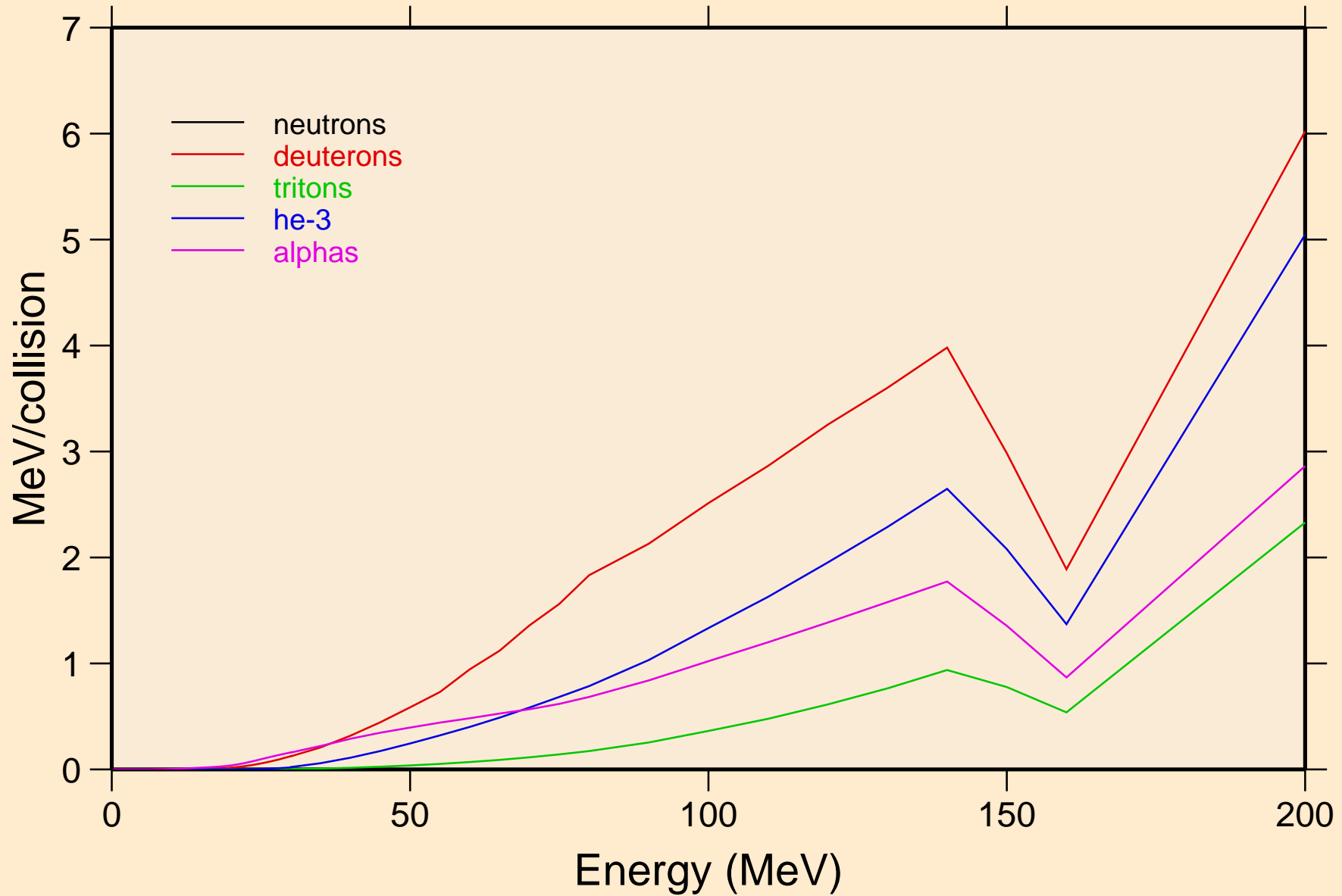


NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)

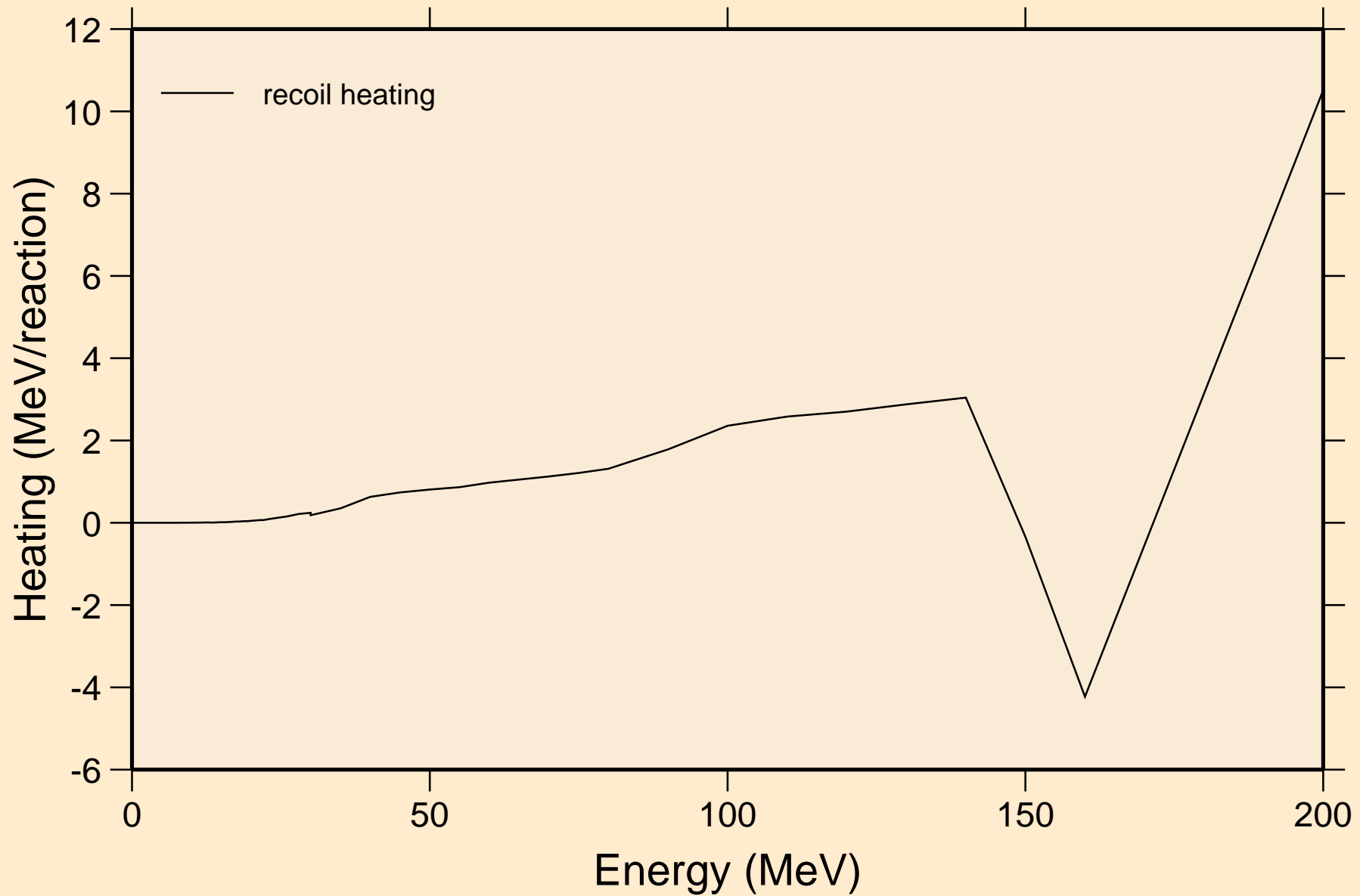


# NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K

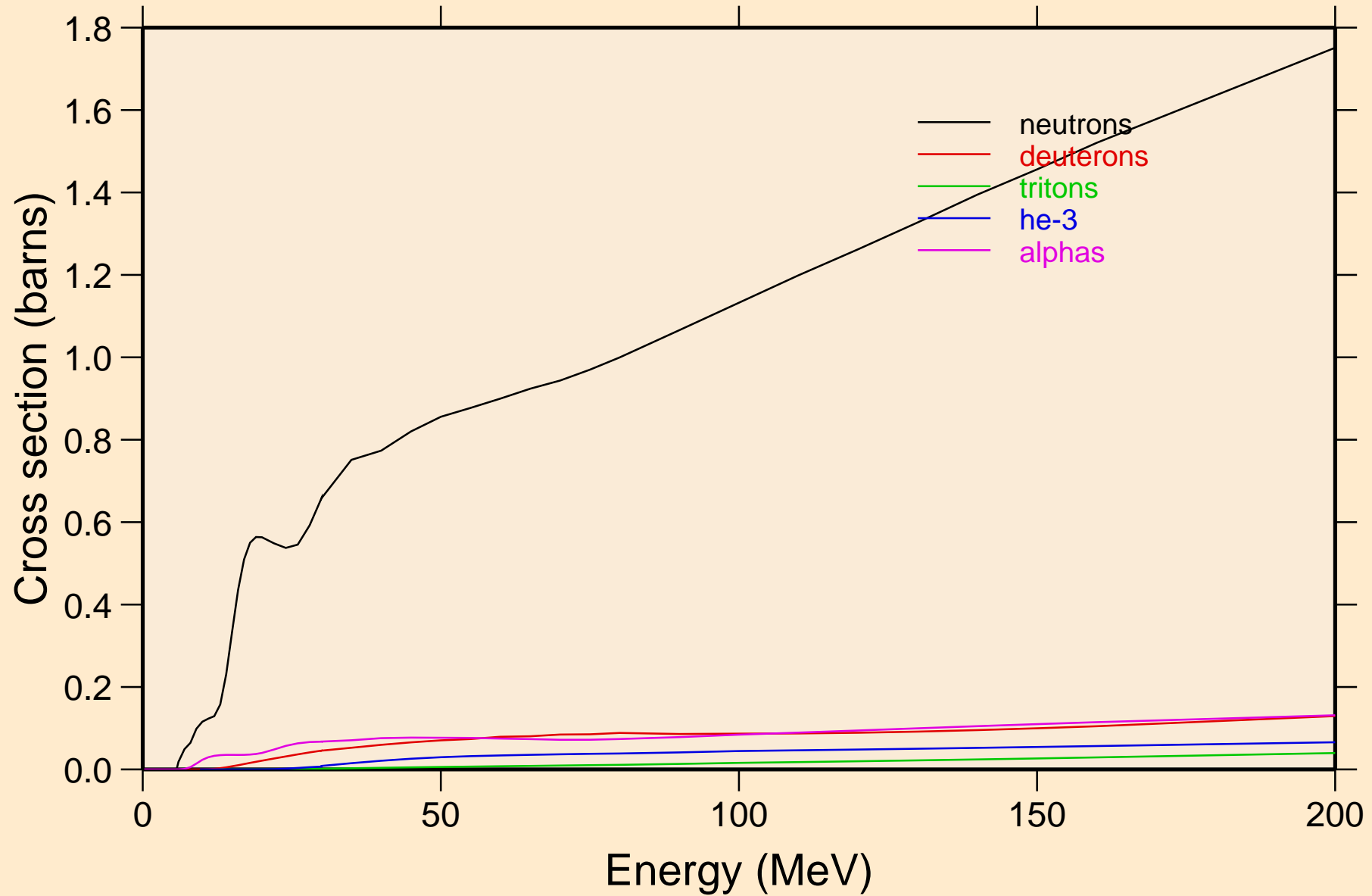
## Particle heating contributions



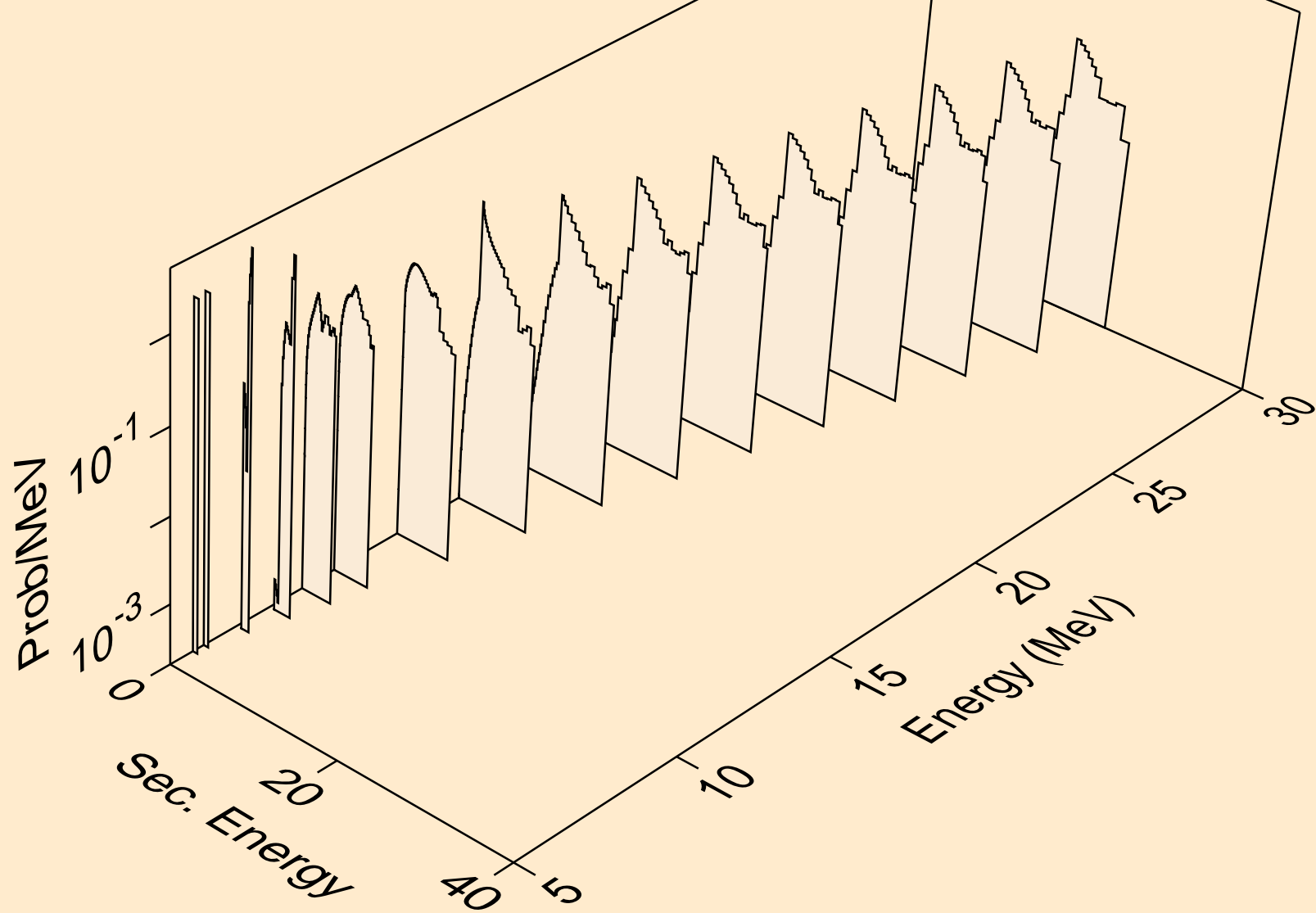
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Recoil Heating



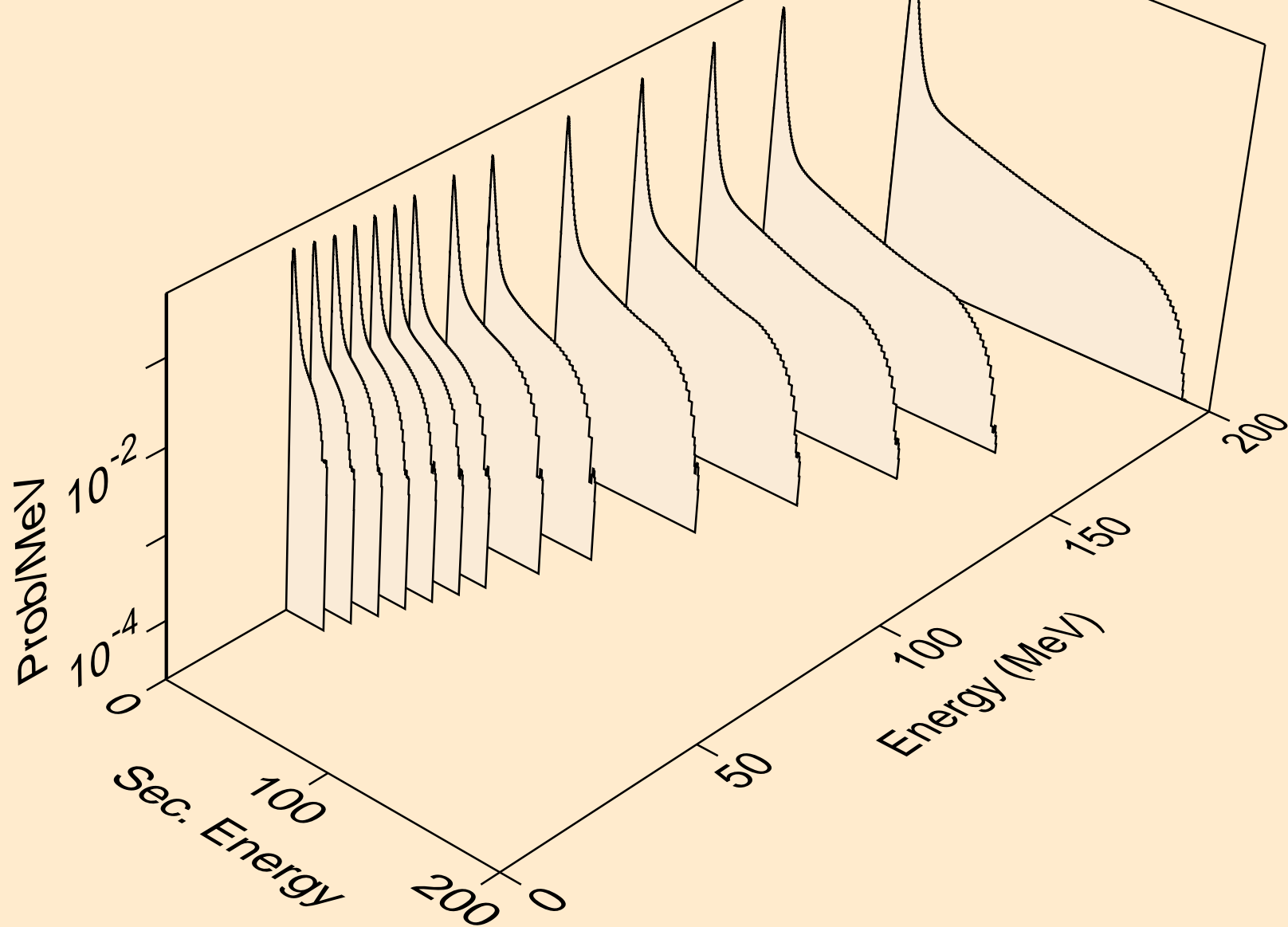
NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



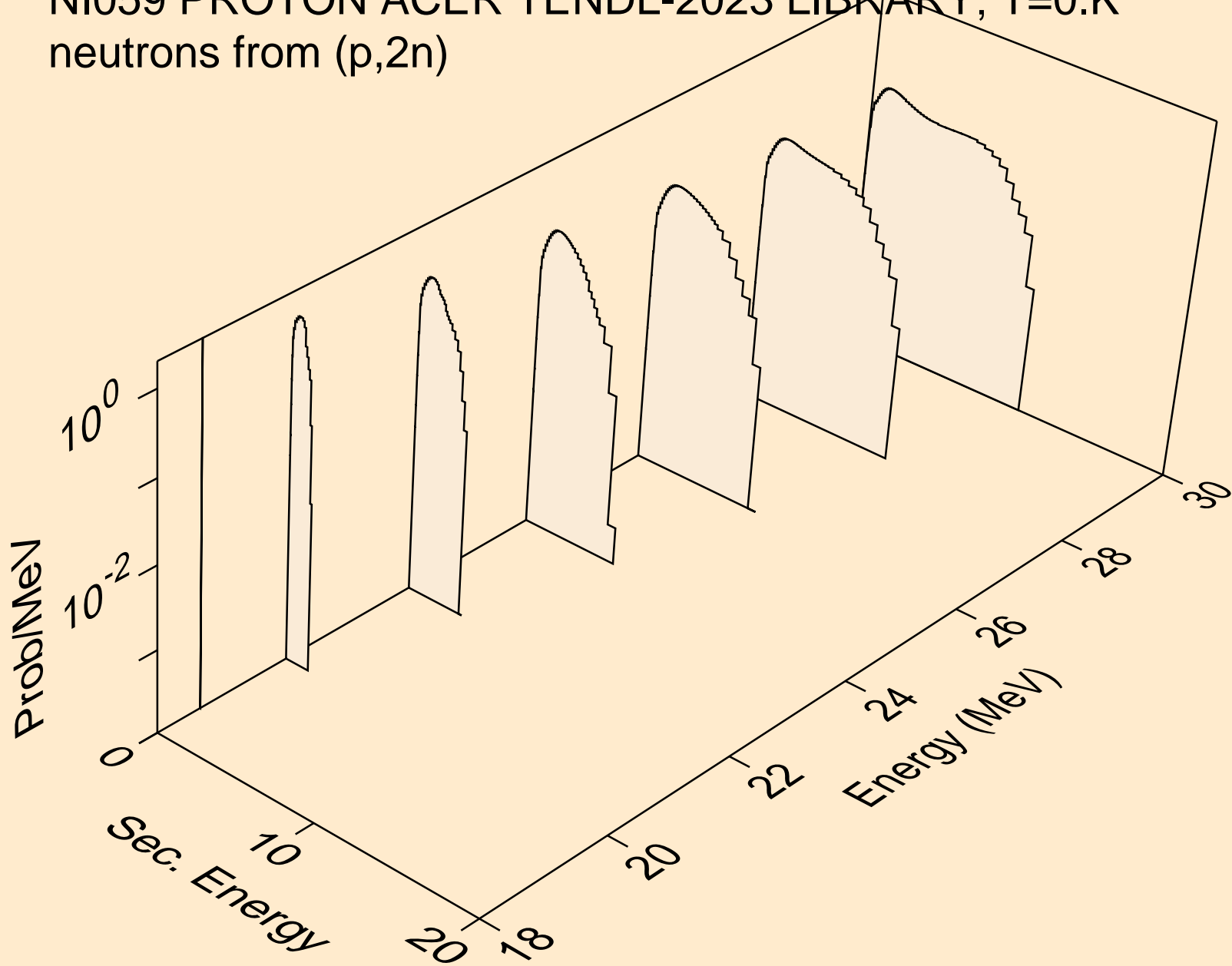
NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)



NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,x)

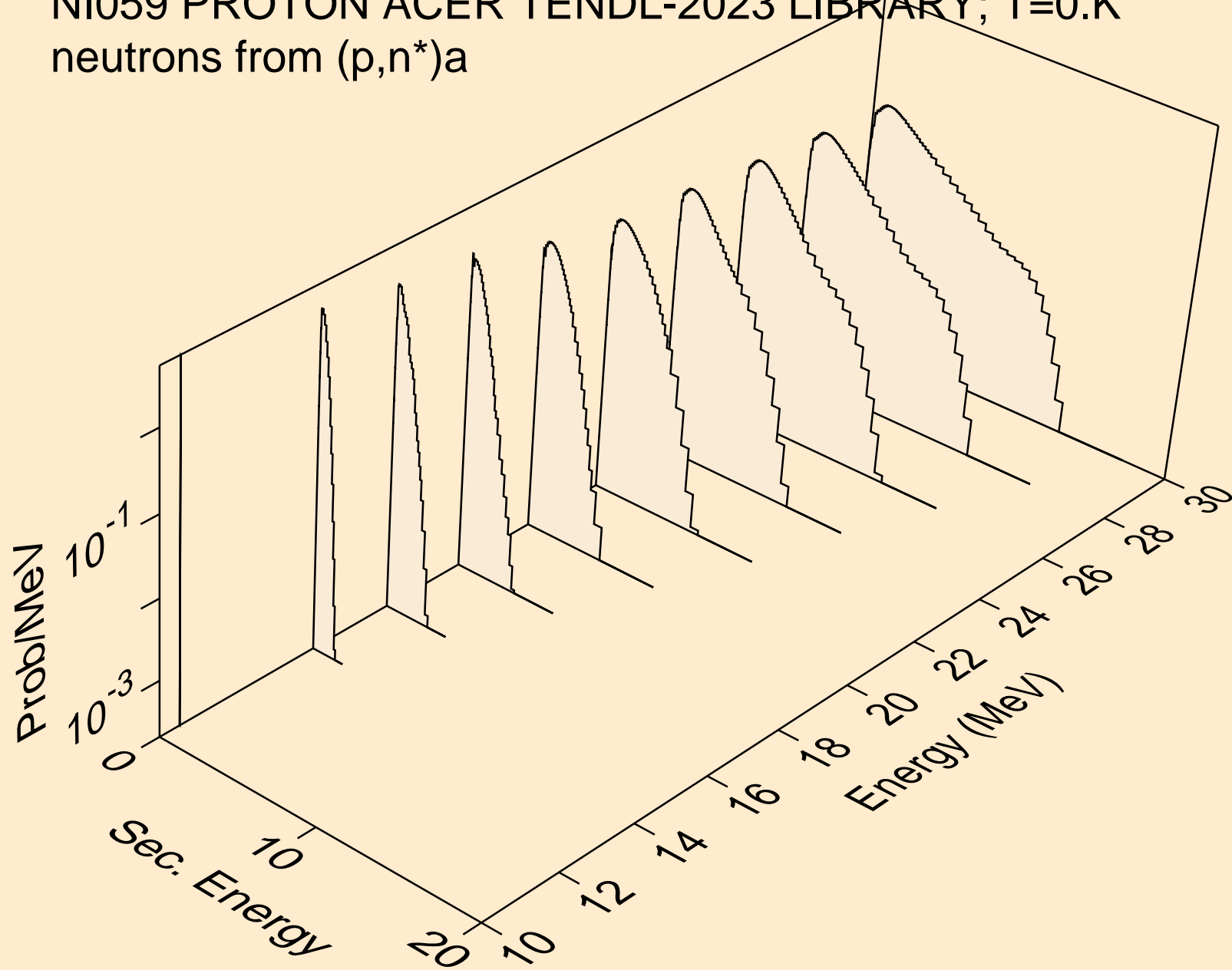


NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)

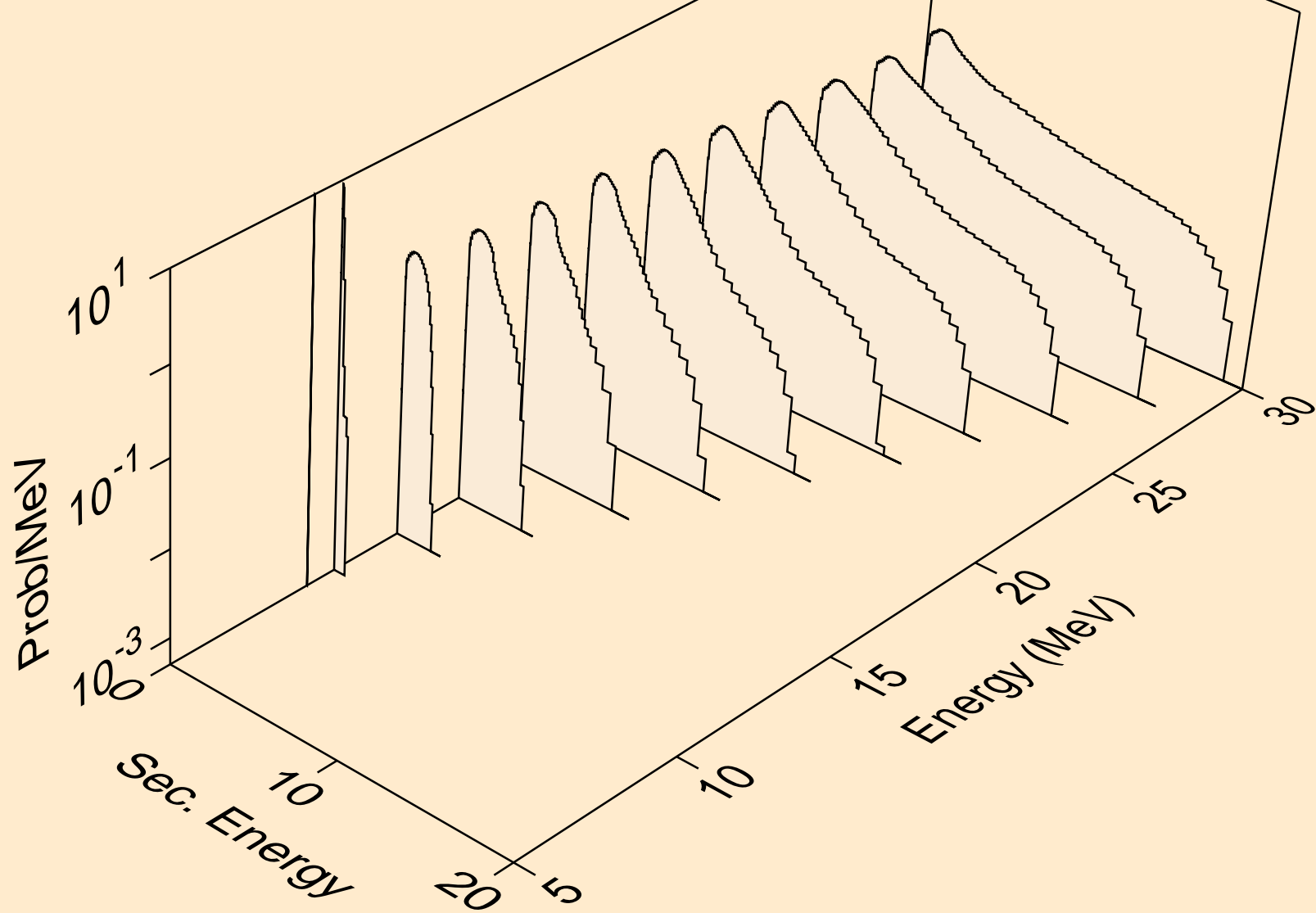




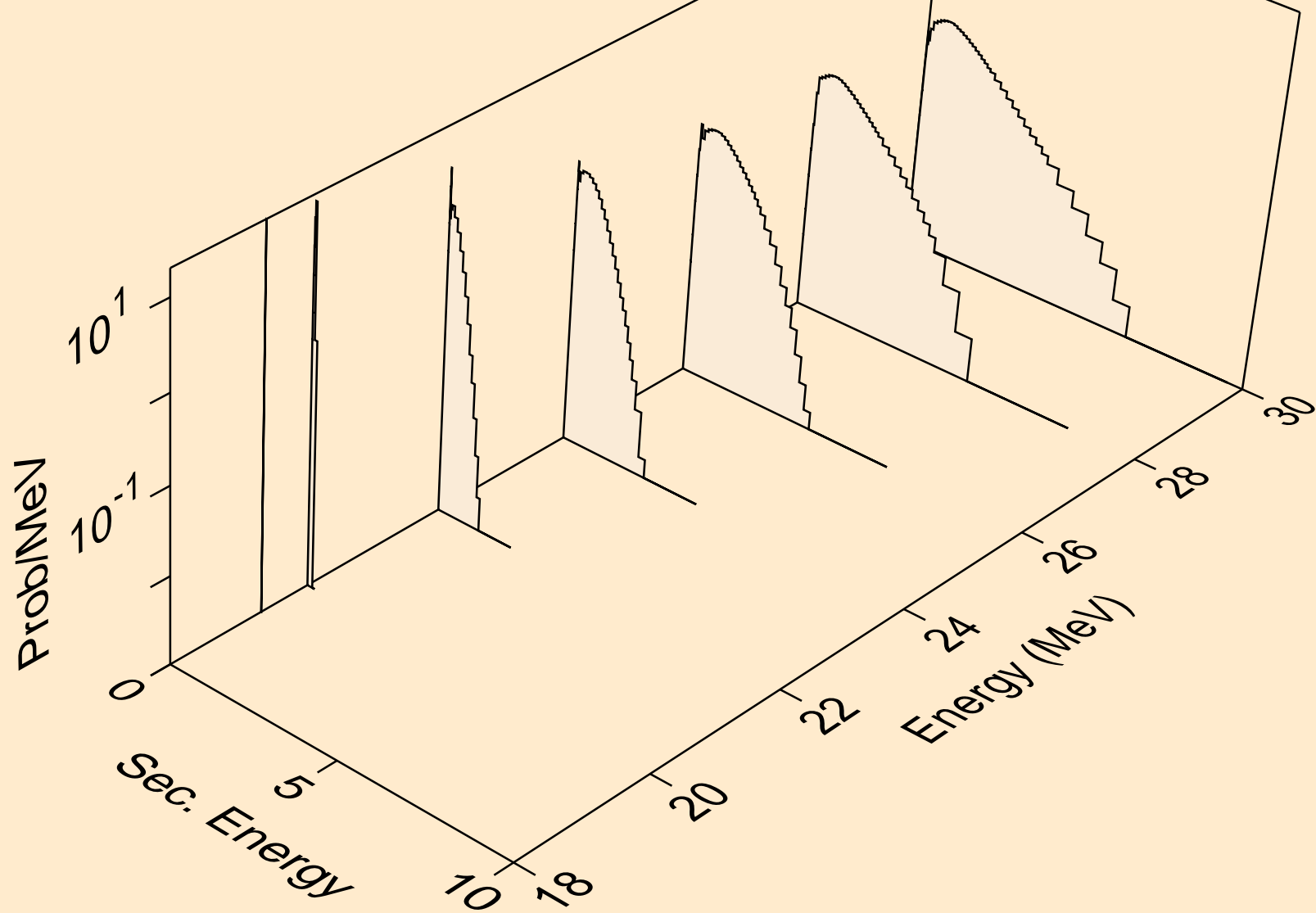
NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)a



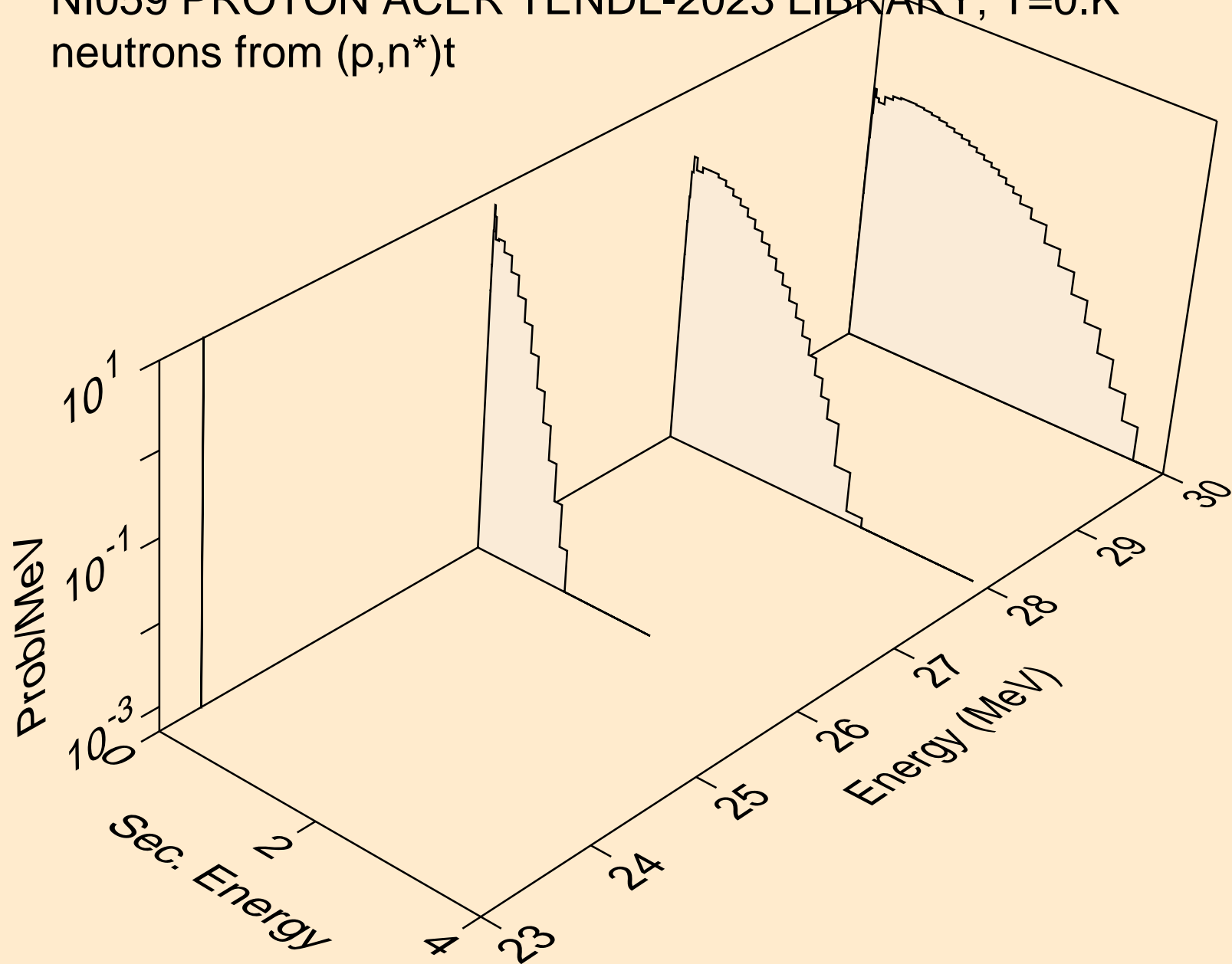
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neutrons from (p,n\*)p



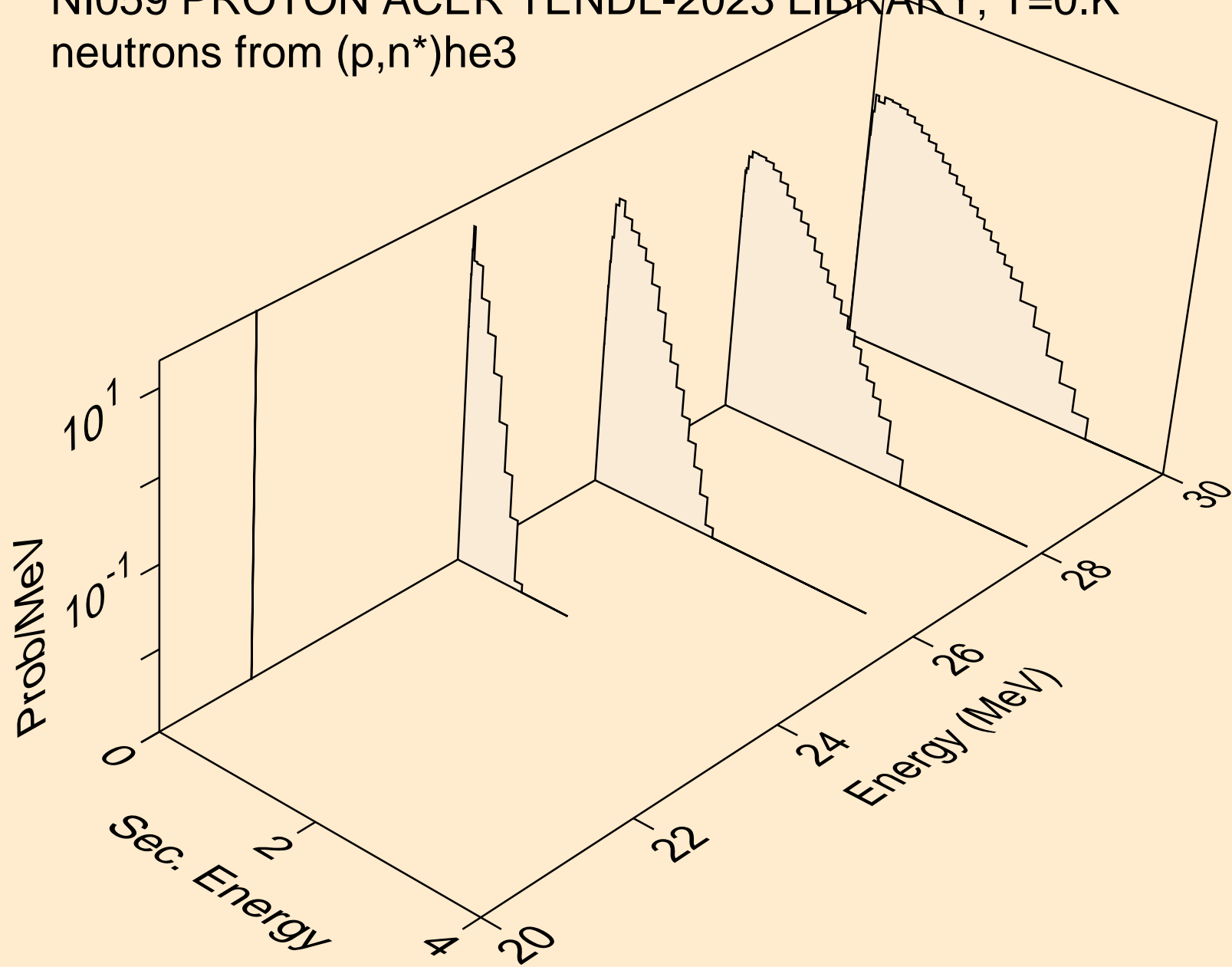
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neutrons from (p,n\*)d



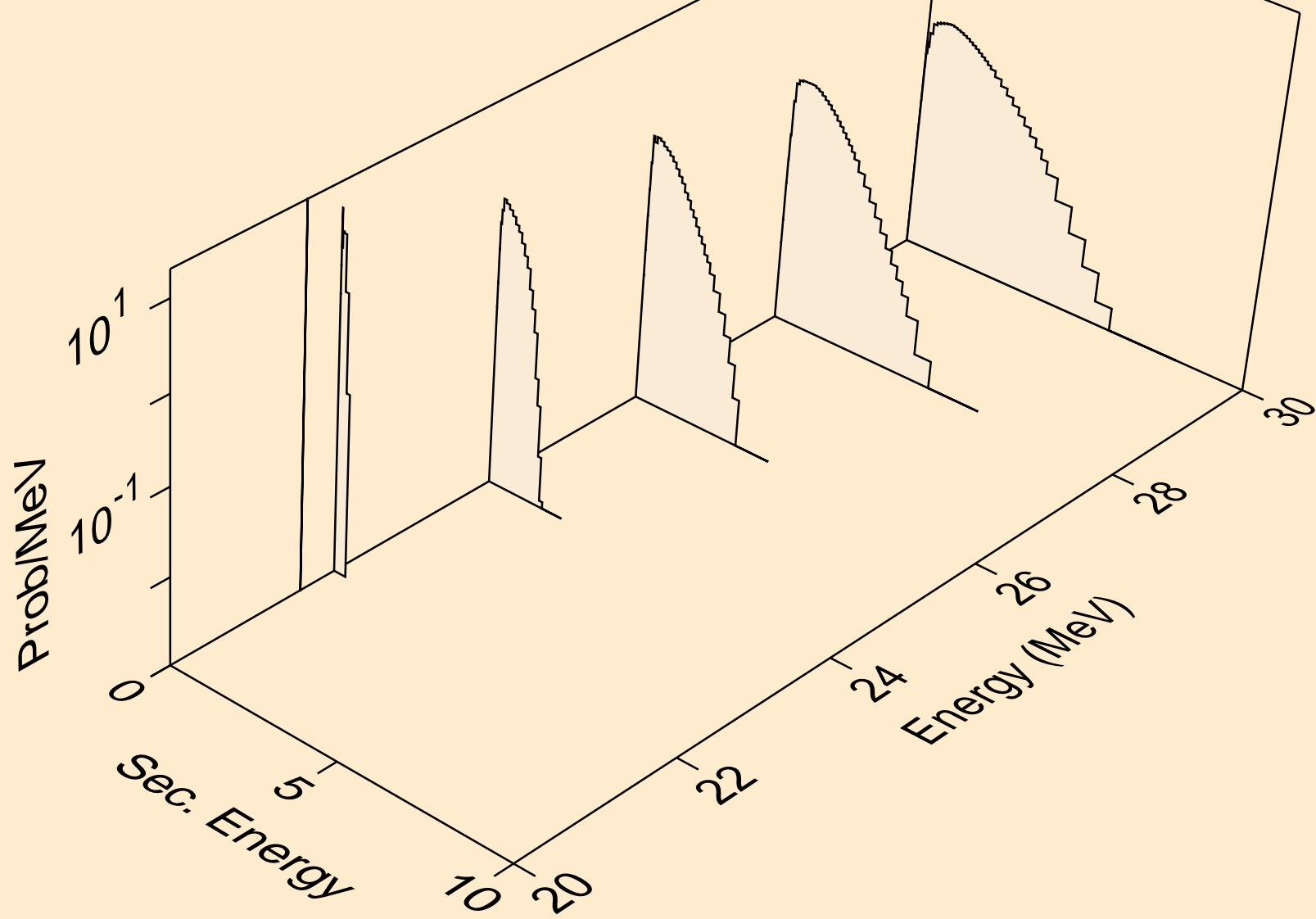
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neutrons from (p,n\*)t



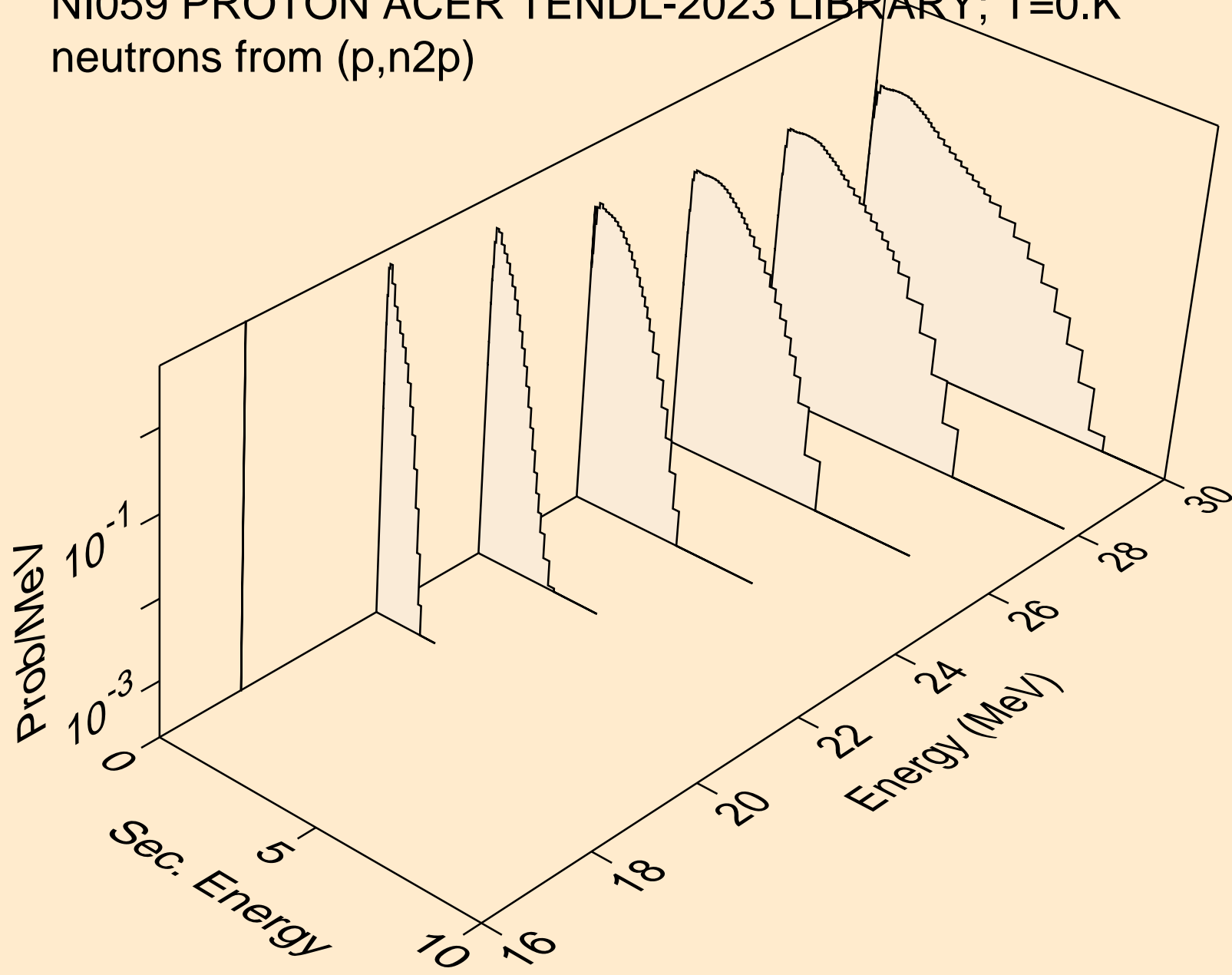
NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



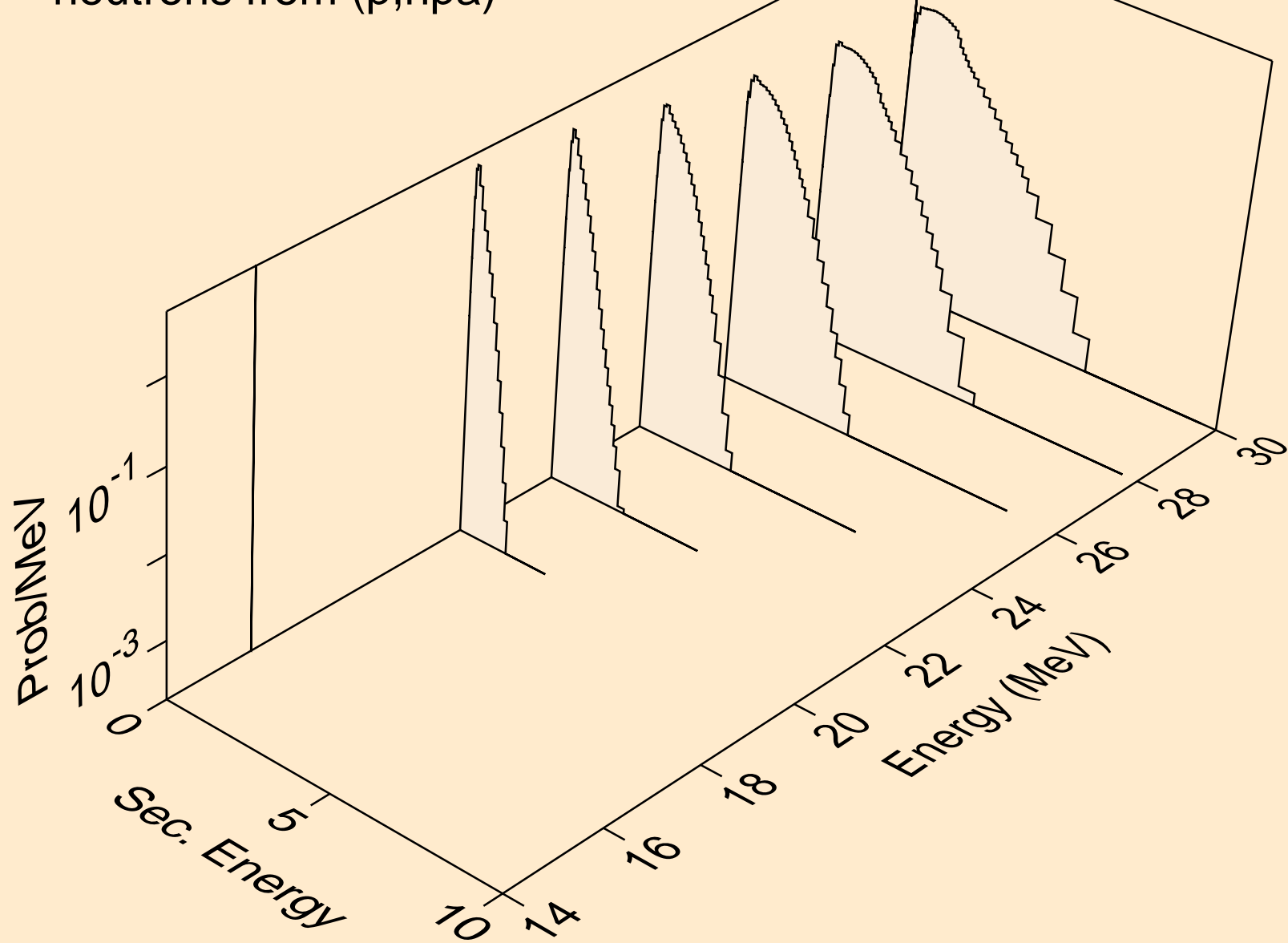
NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2np)



NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n2p)

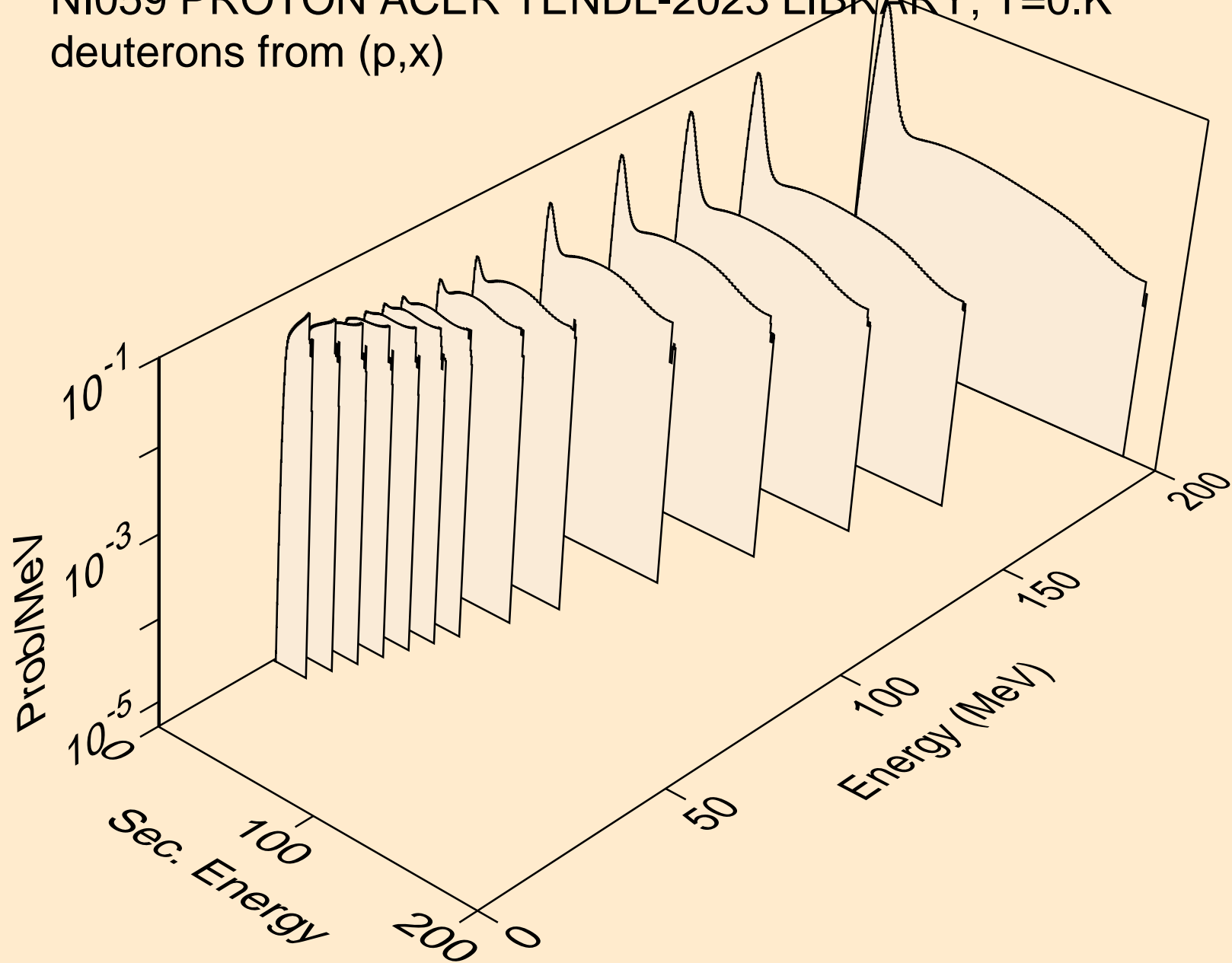


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neutrons from (p,npa)

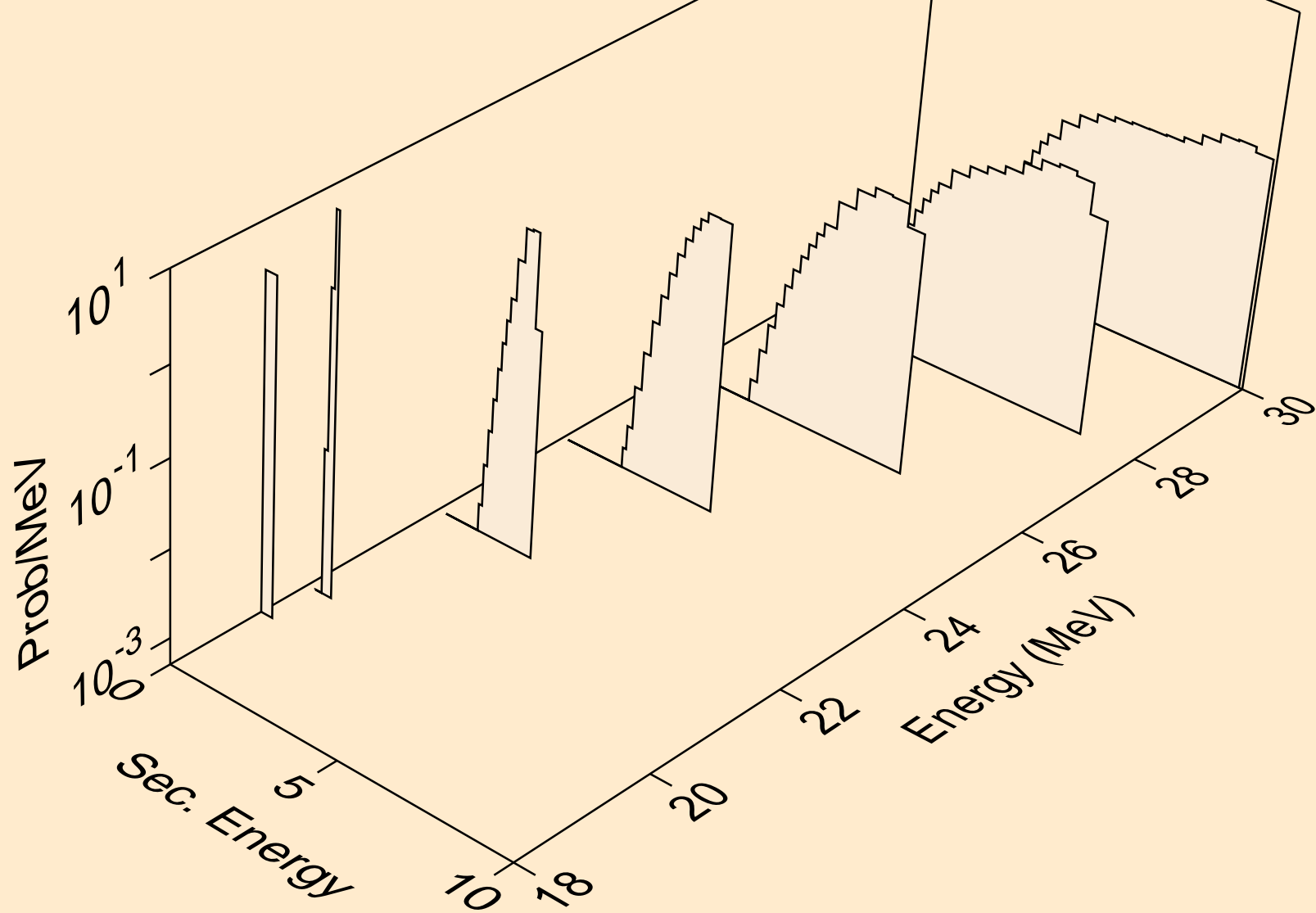




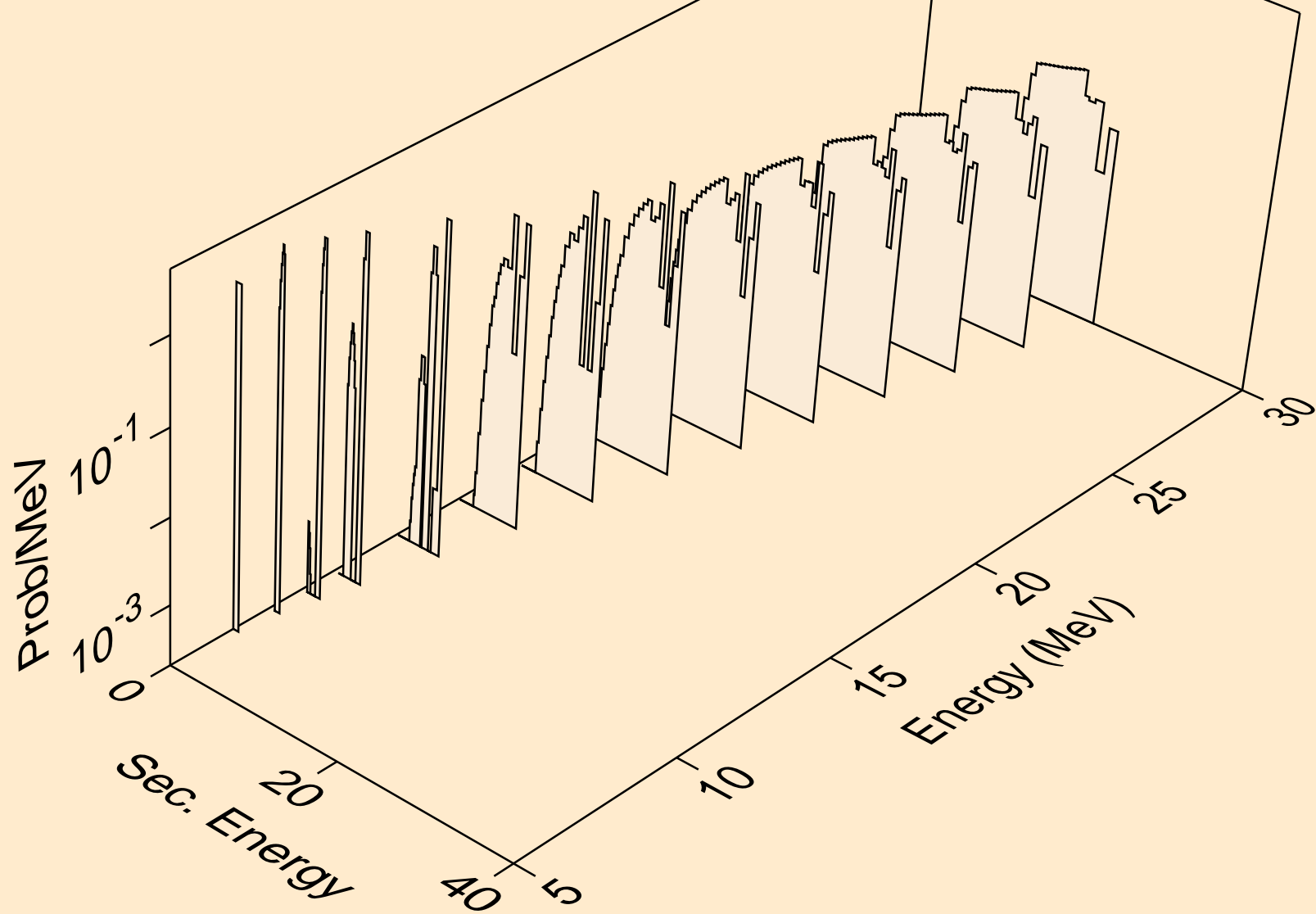
NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,x)



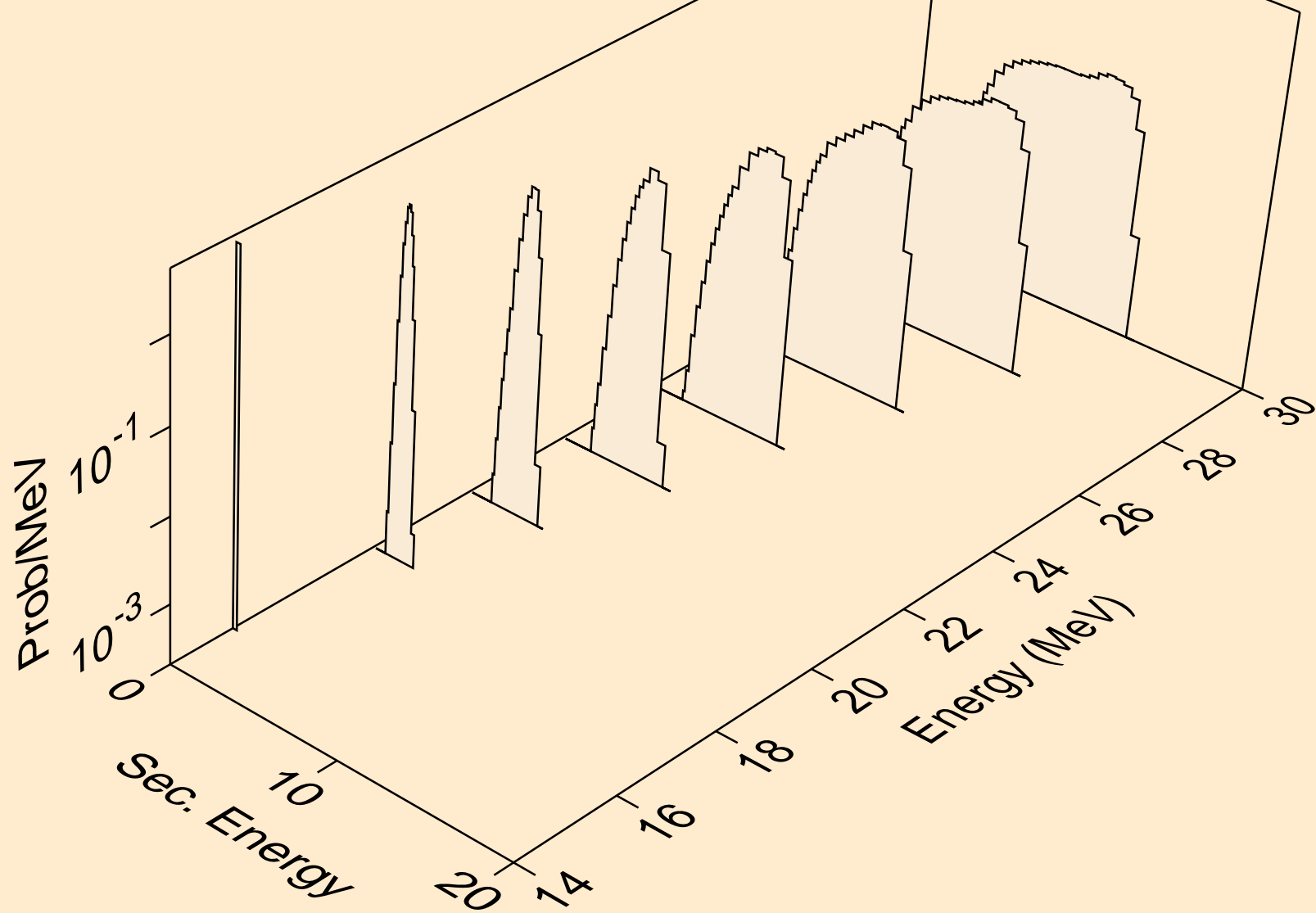
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deuterons from (p,n\*)d



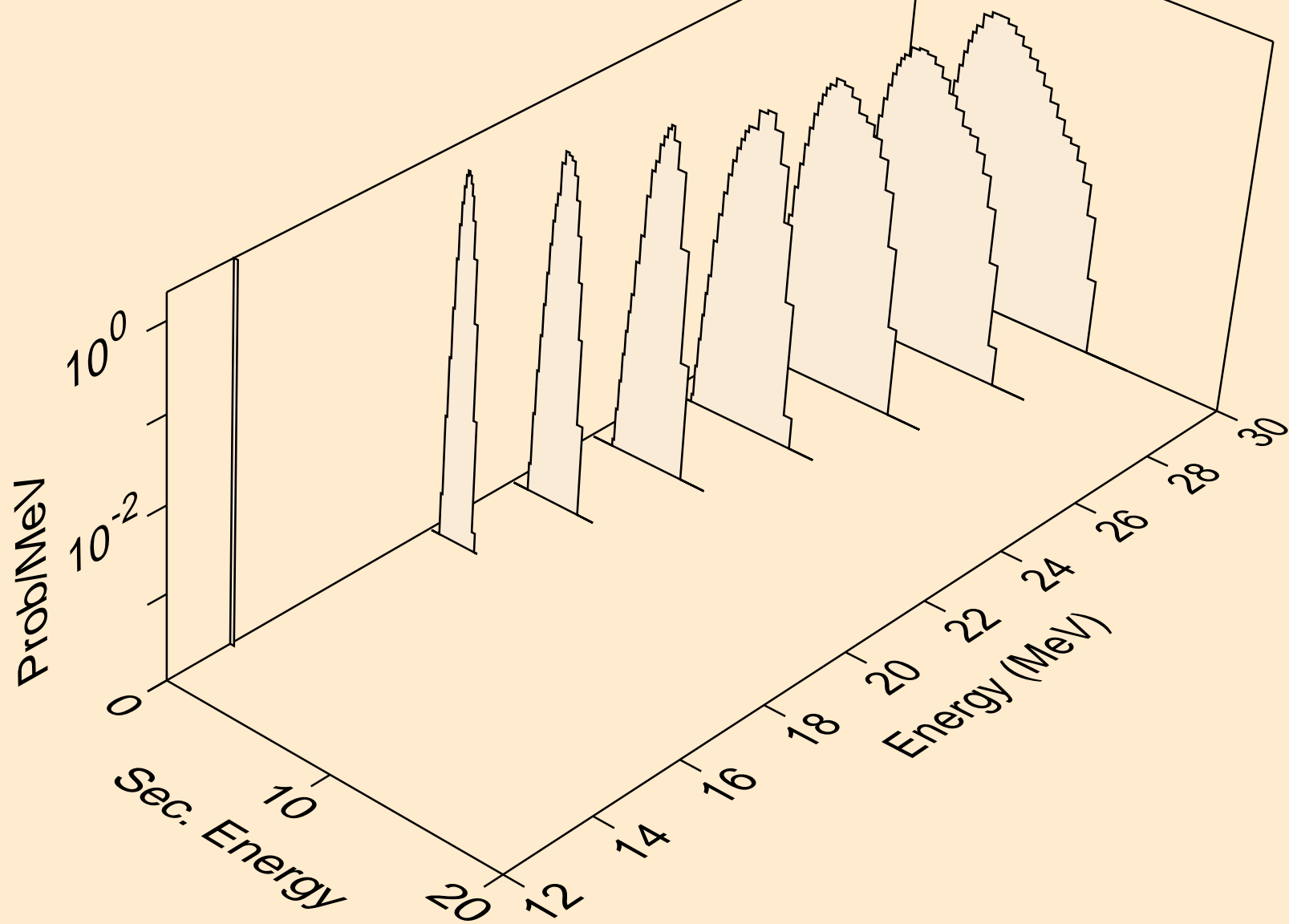
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deuterons from (p,d)



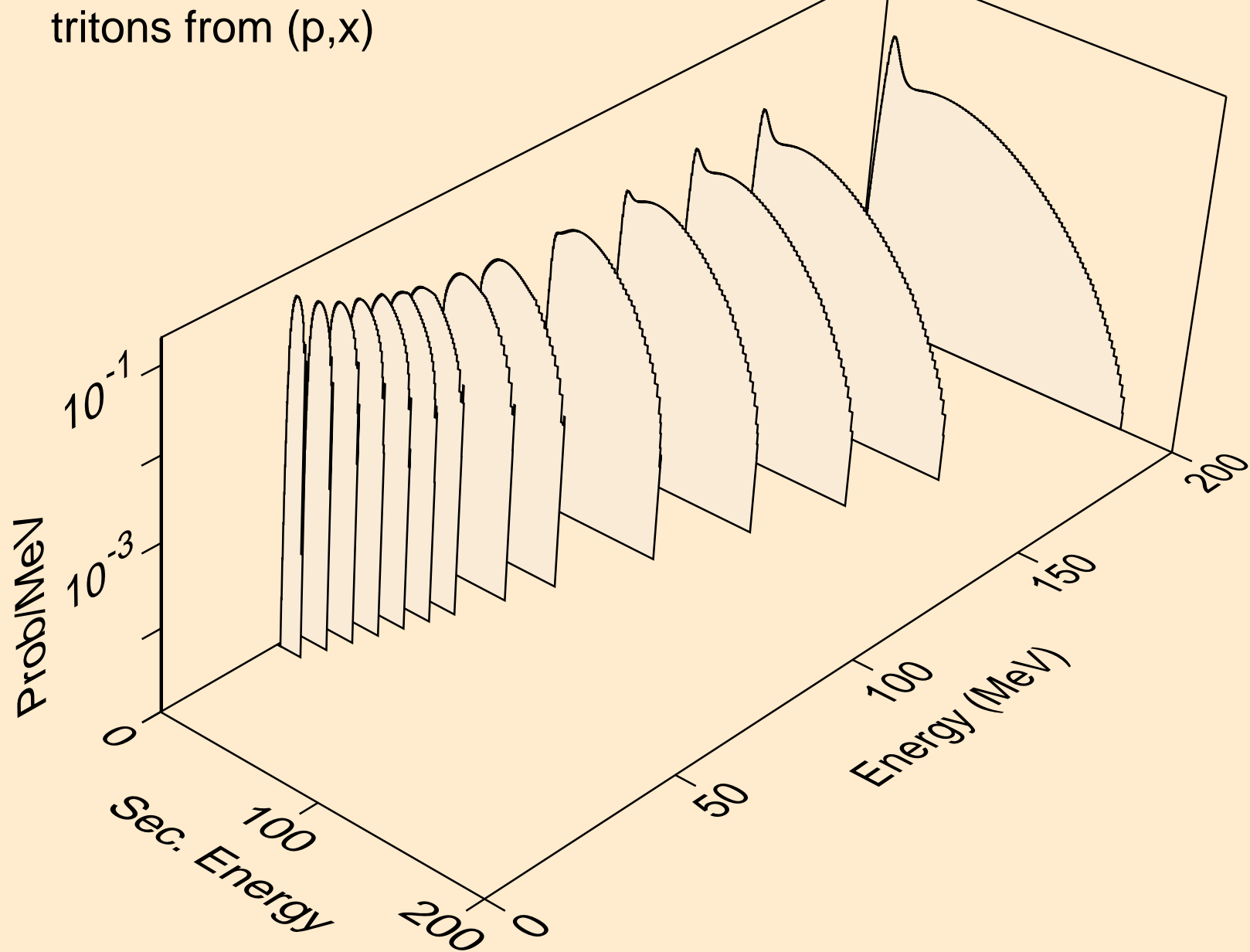
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deuterons from (p,pd)



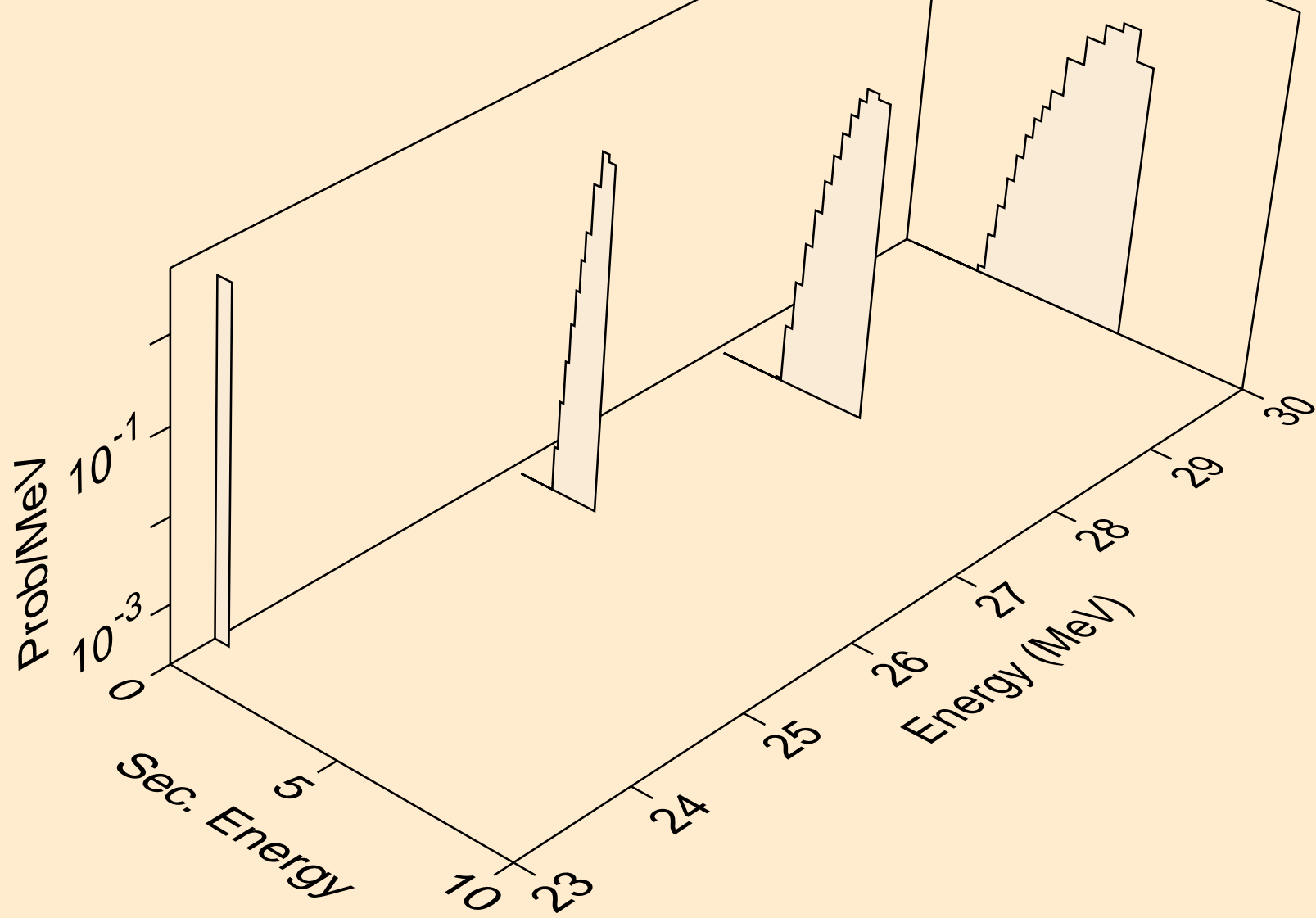
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deuterons from (p,da)



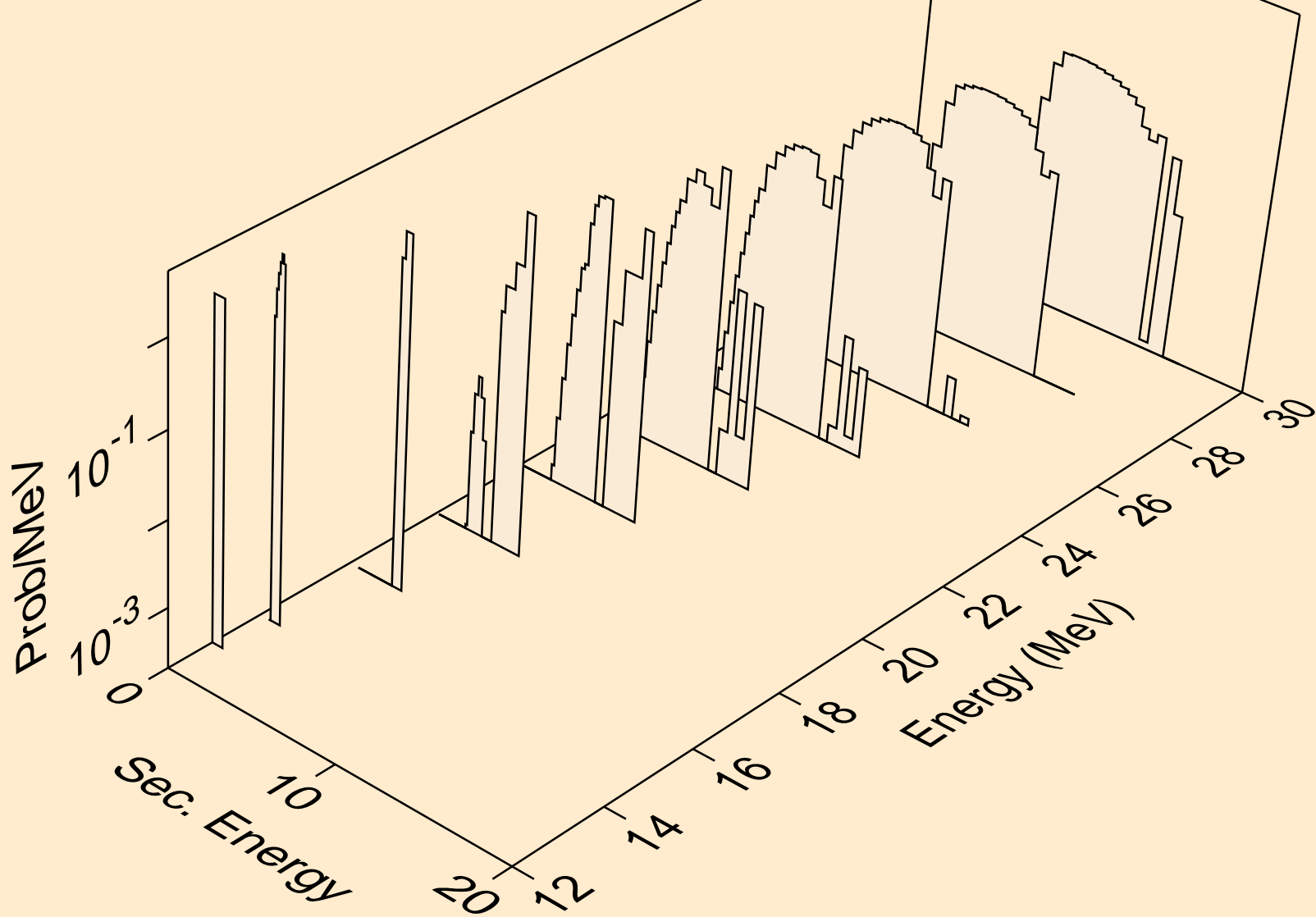
NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,x)



NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,n\*)t

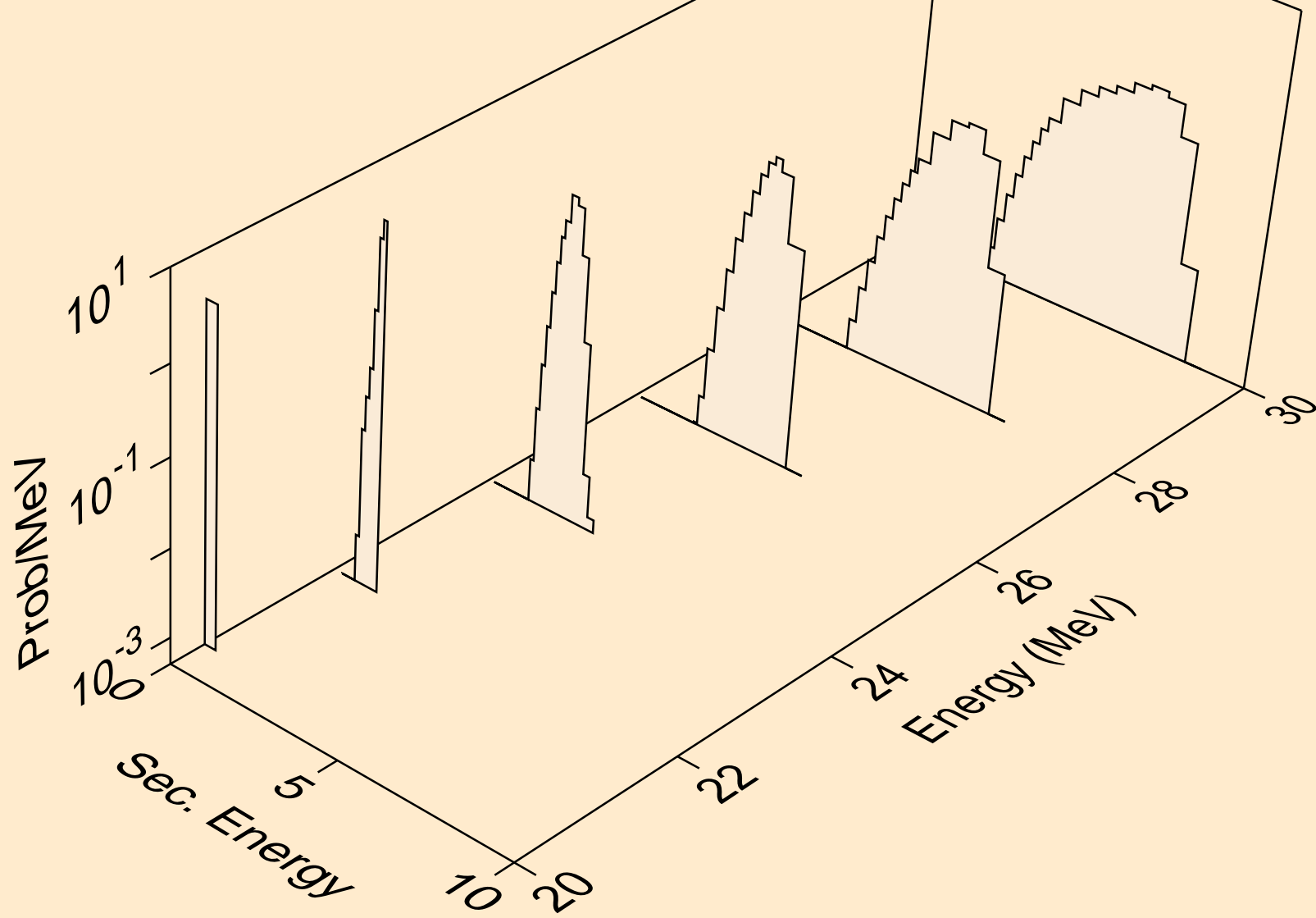


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tritons from (p,t)

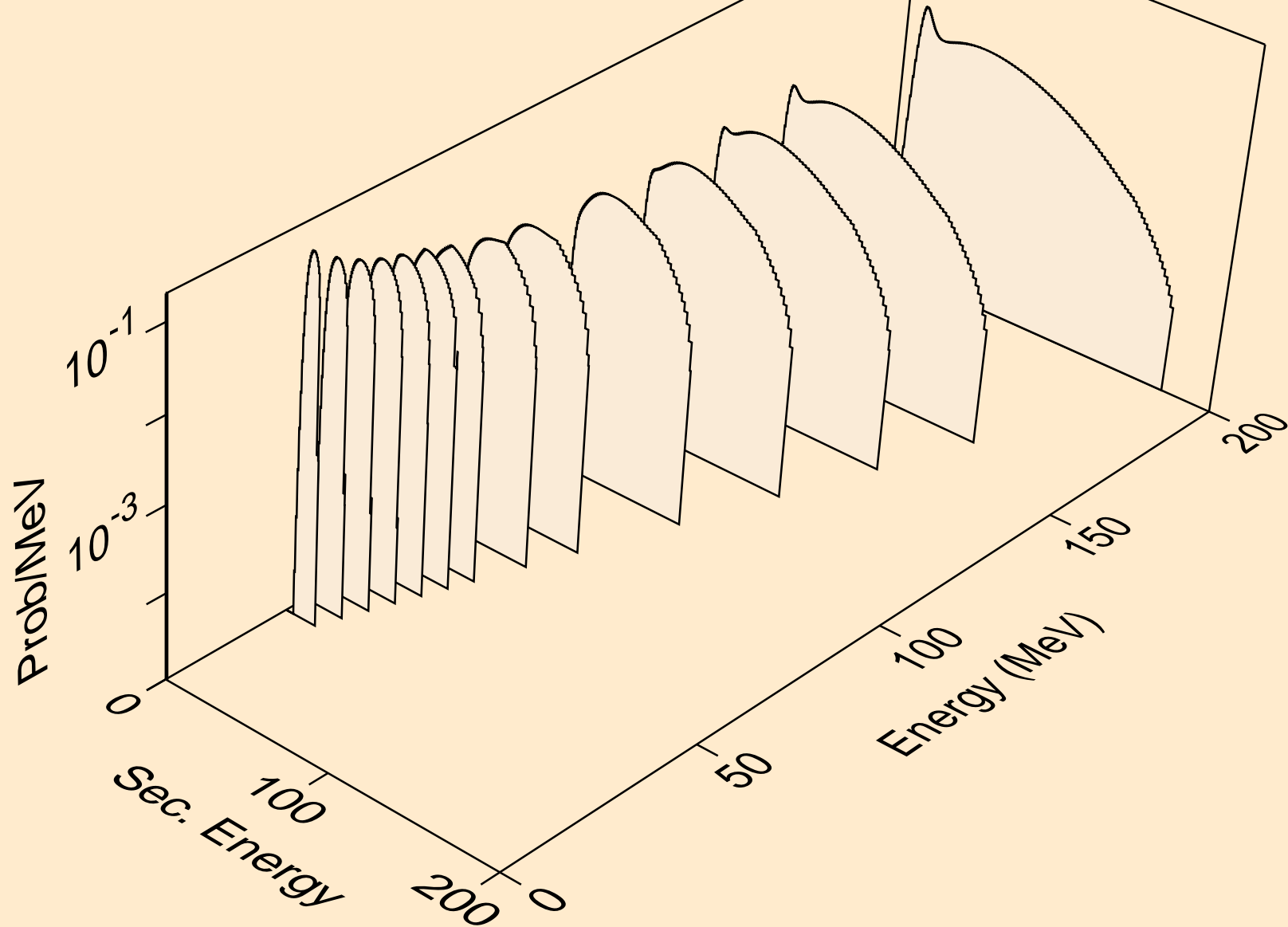




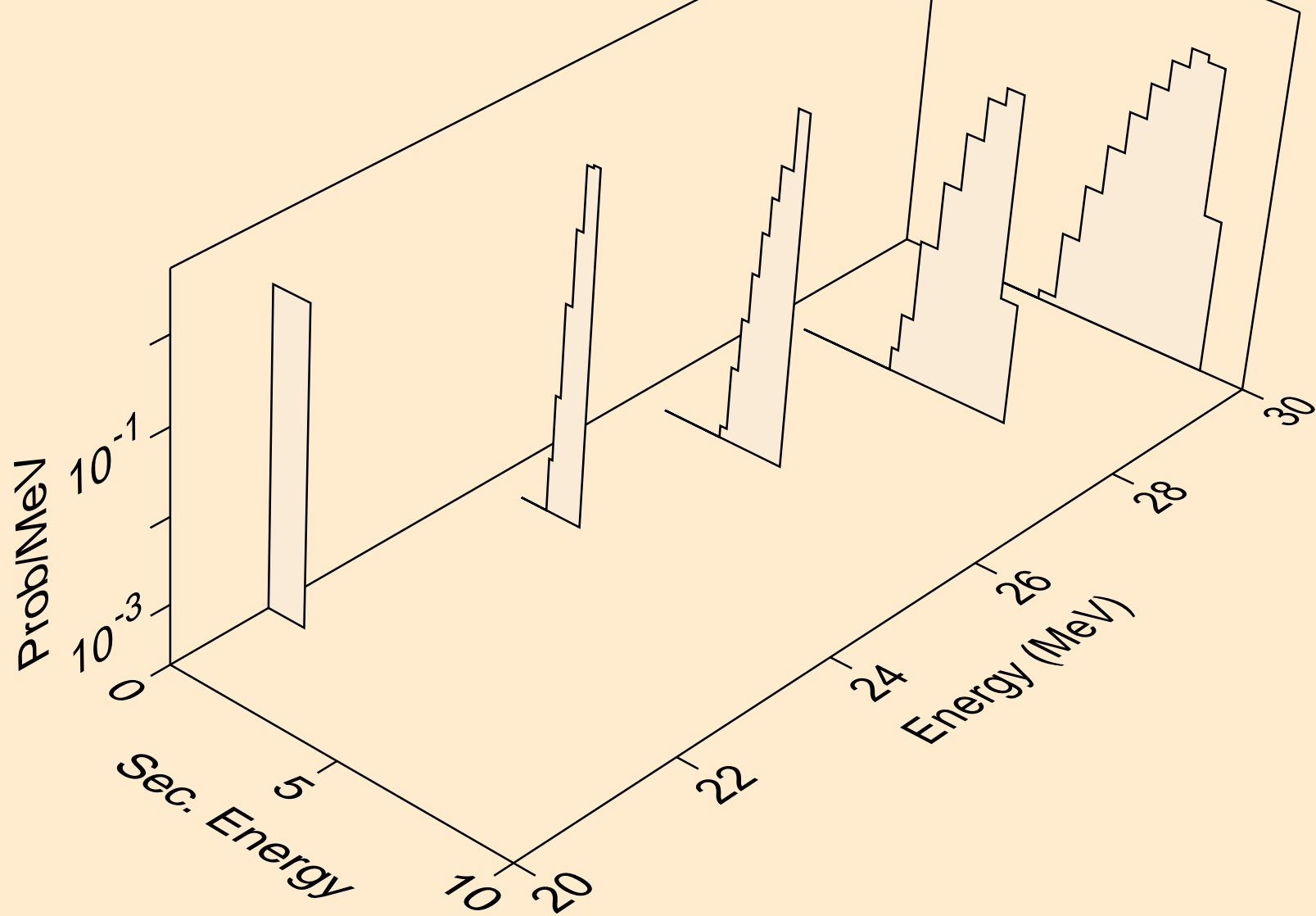
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tritons from (p,pt)



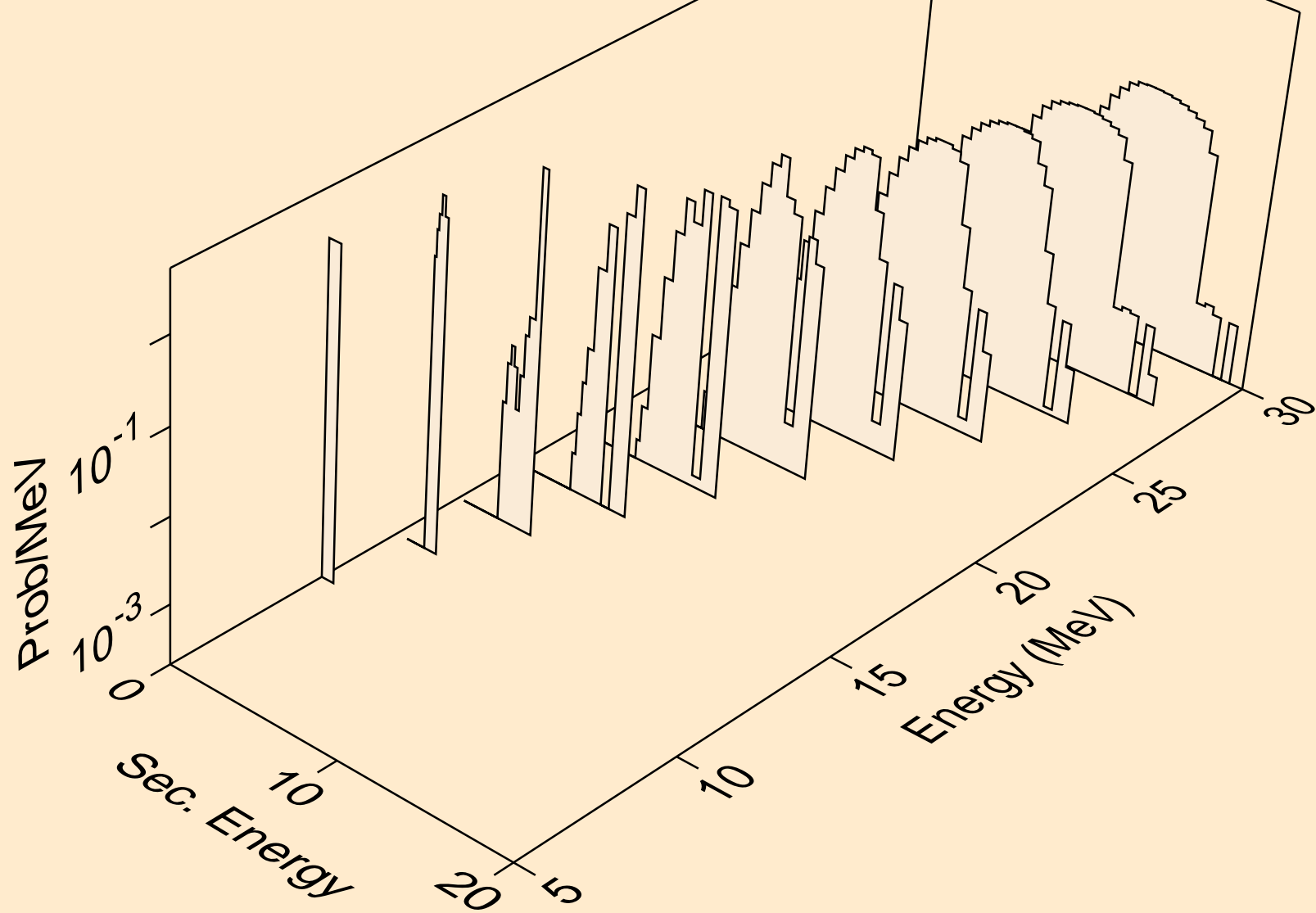
NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,x)



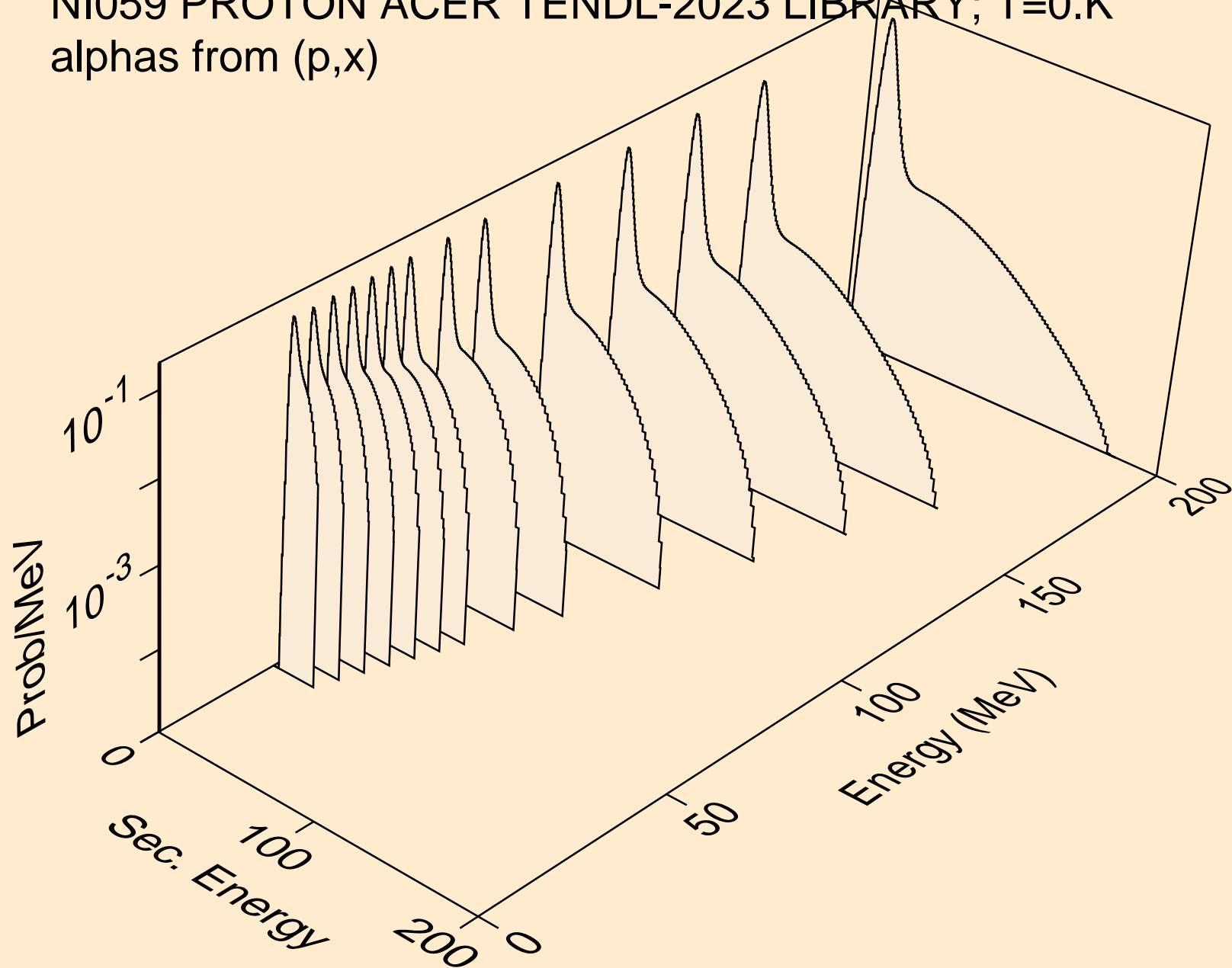
NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,n\*)he3



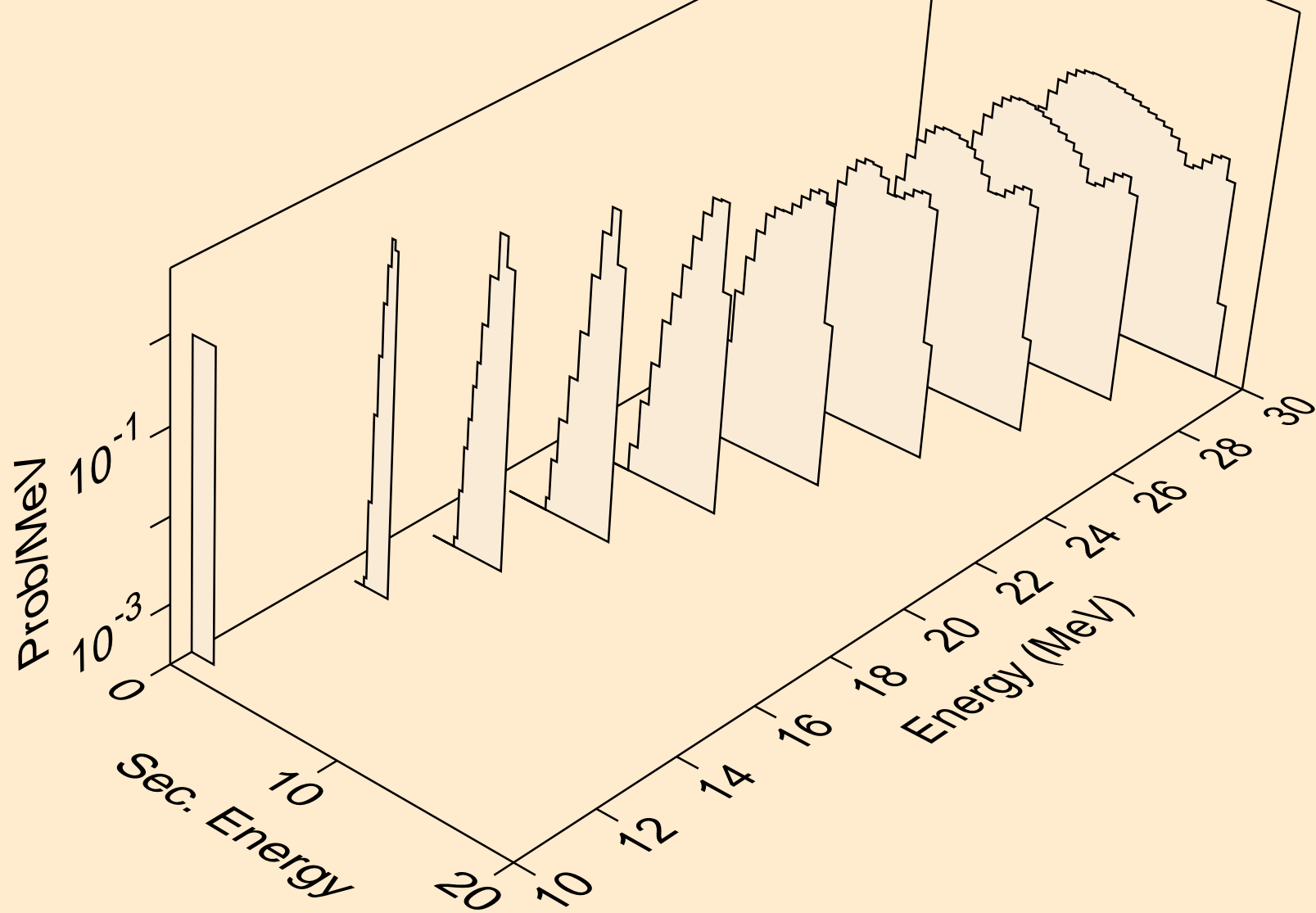
NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,he3)



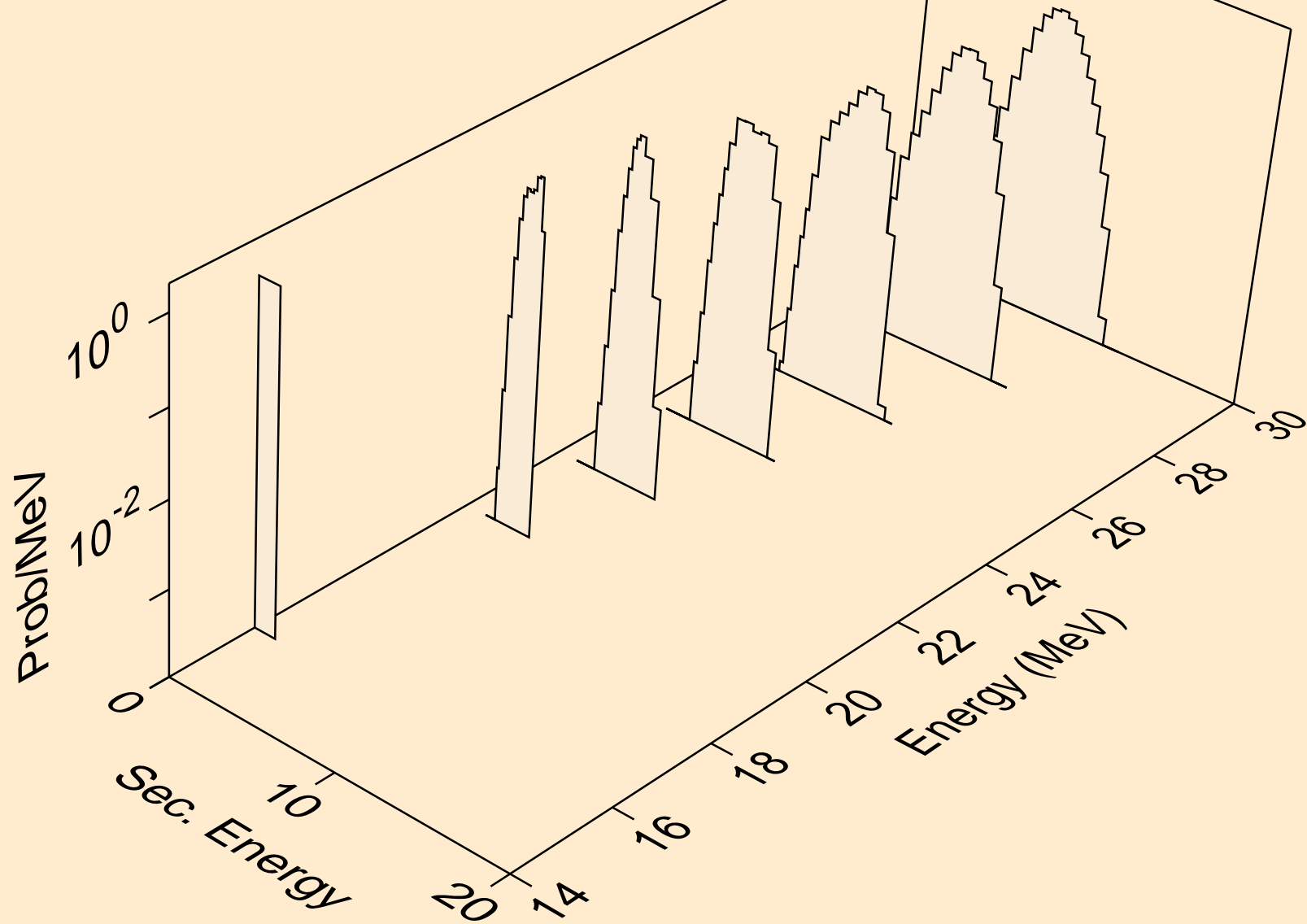
NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)



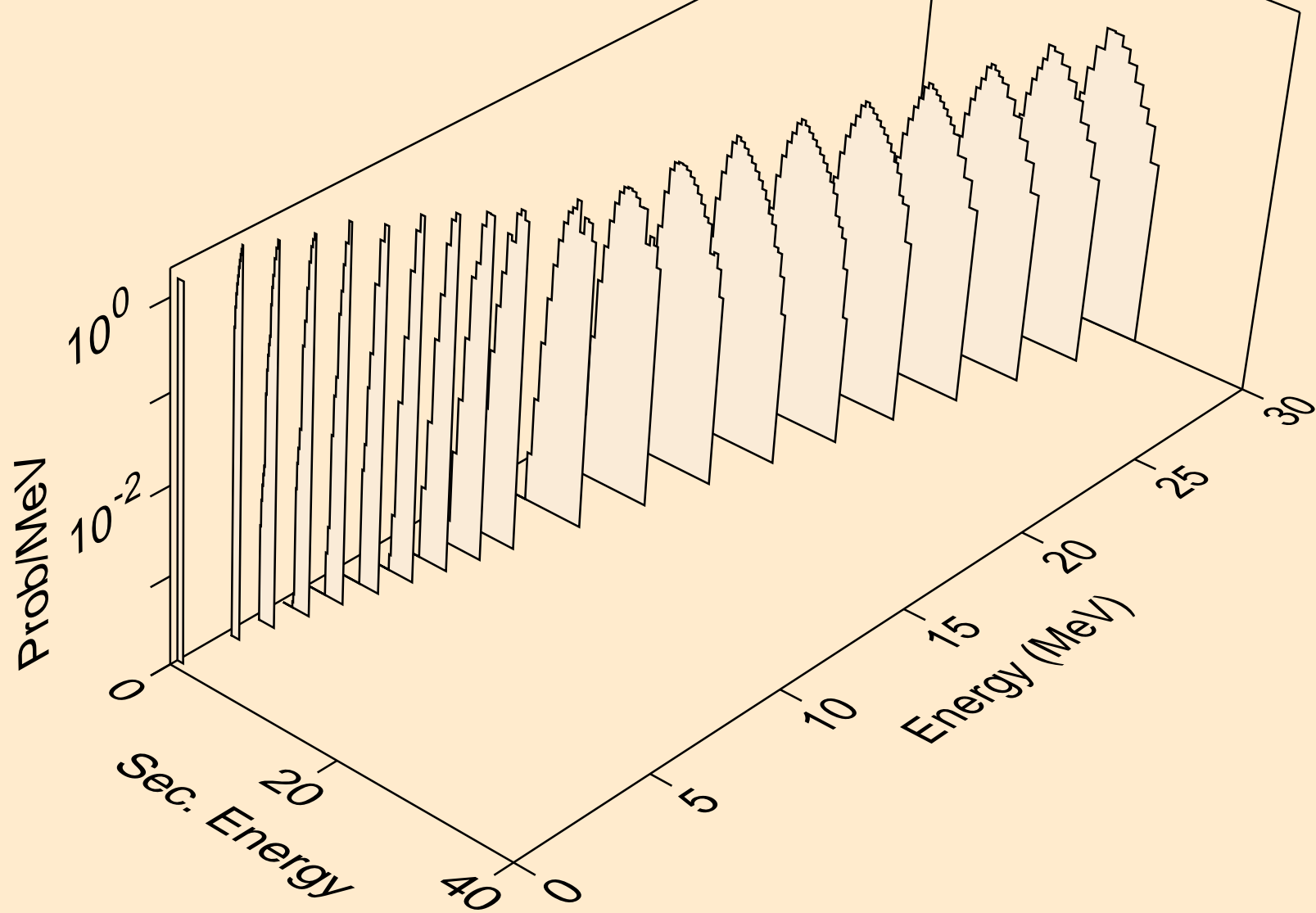
NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a



NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,npa)

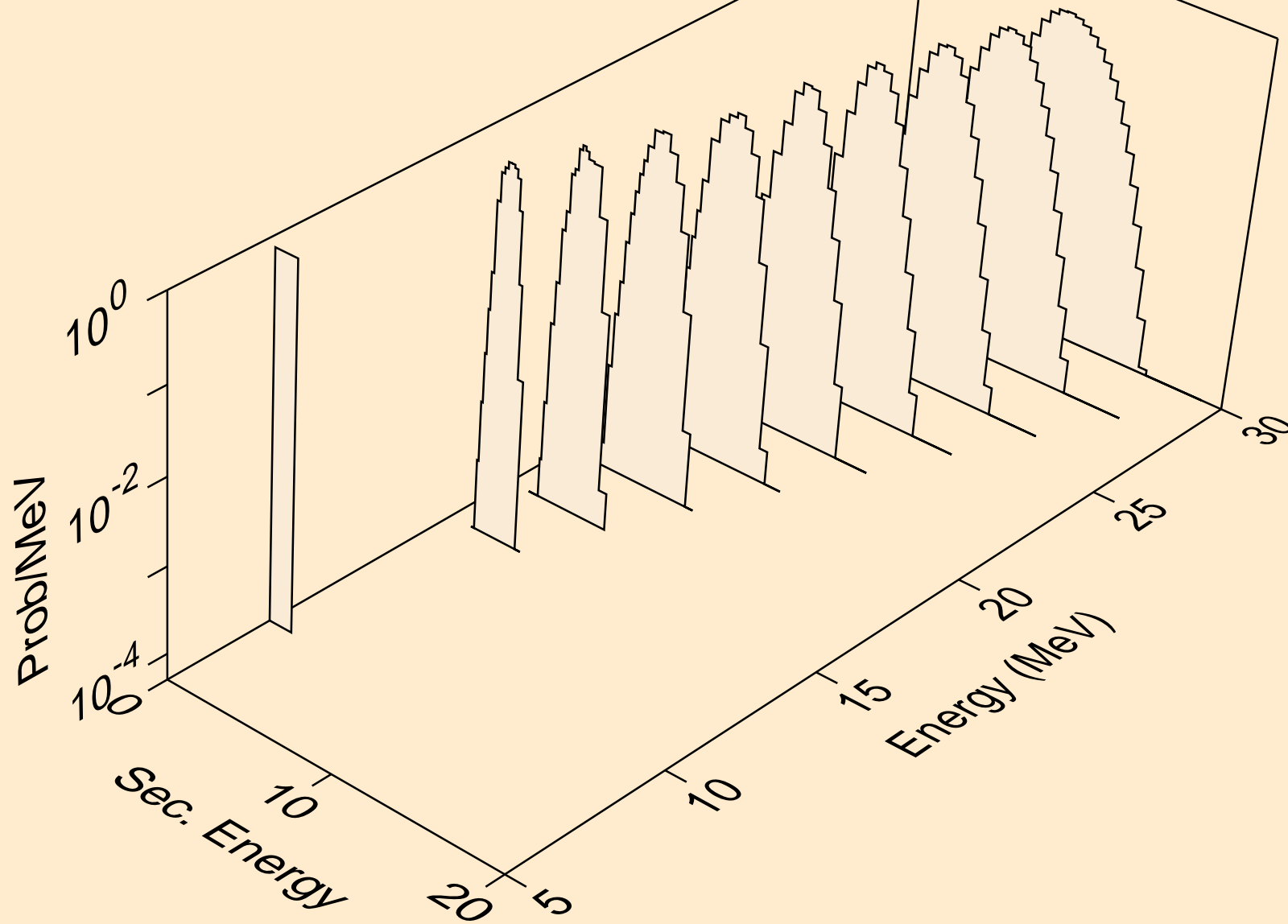


NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,a)

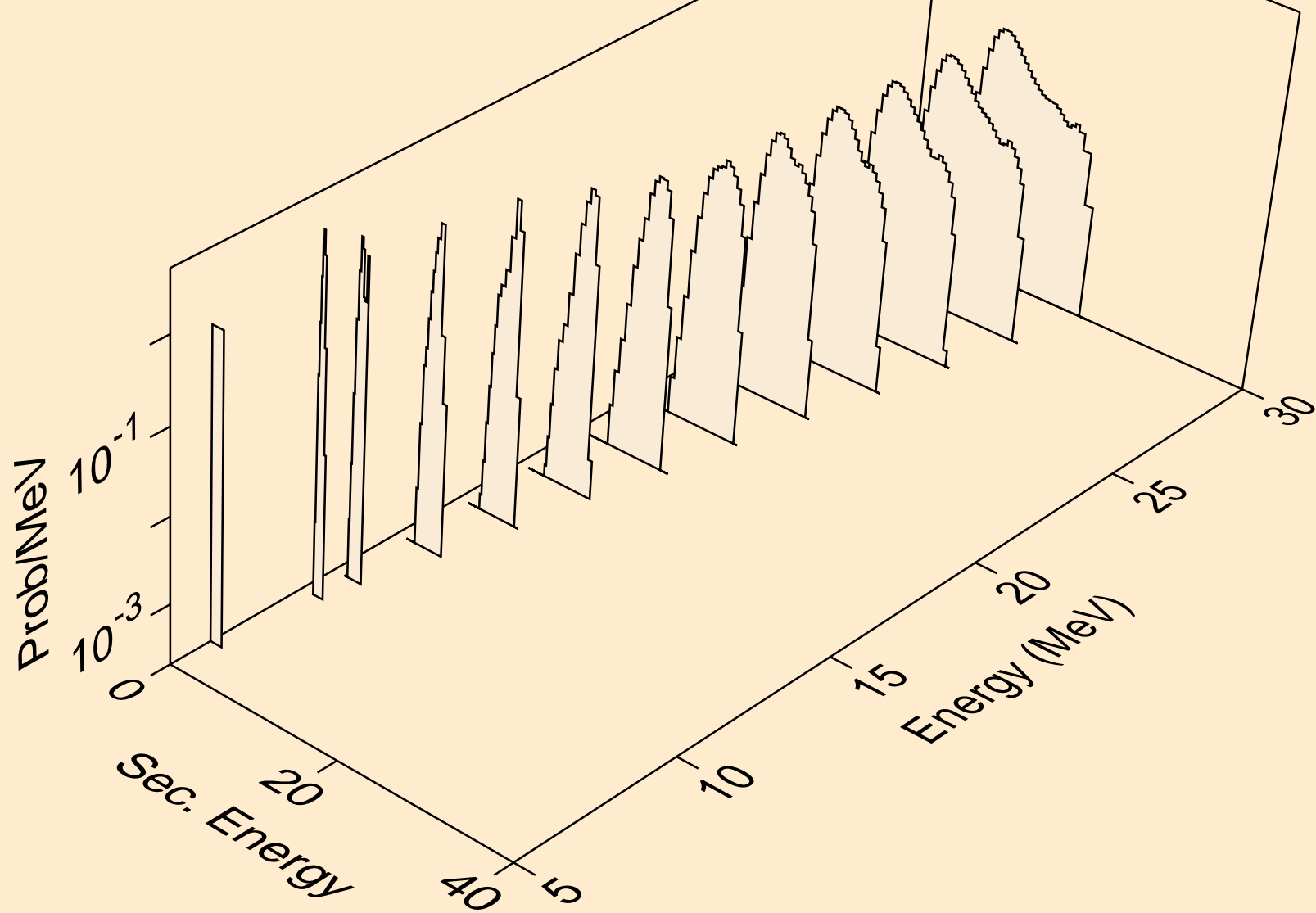




NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2a)



NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,pa)



NI059 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,da)

