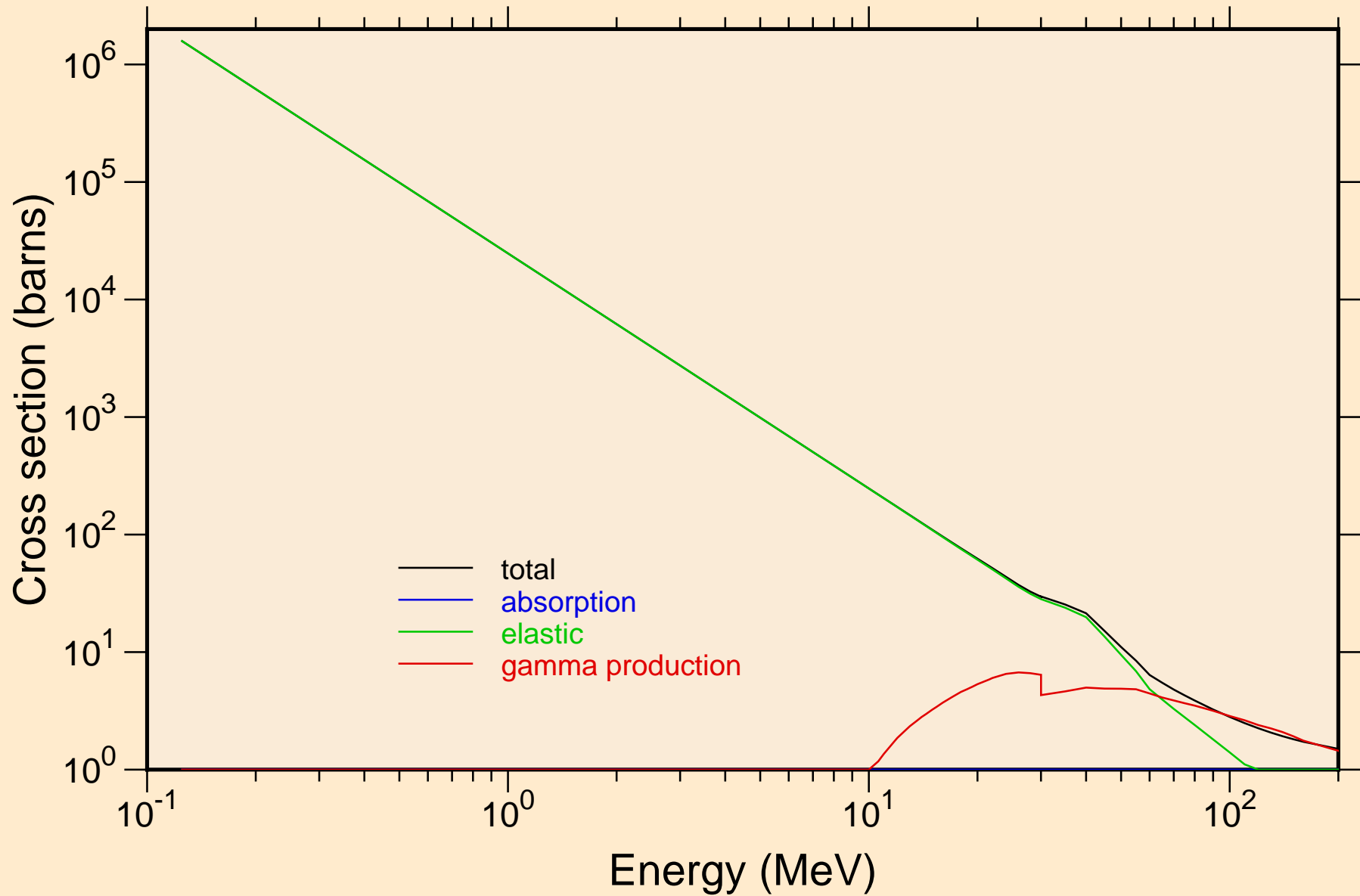


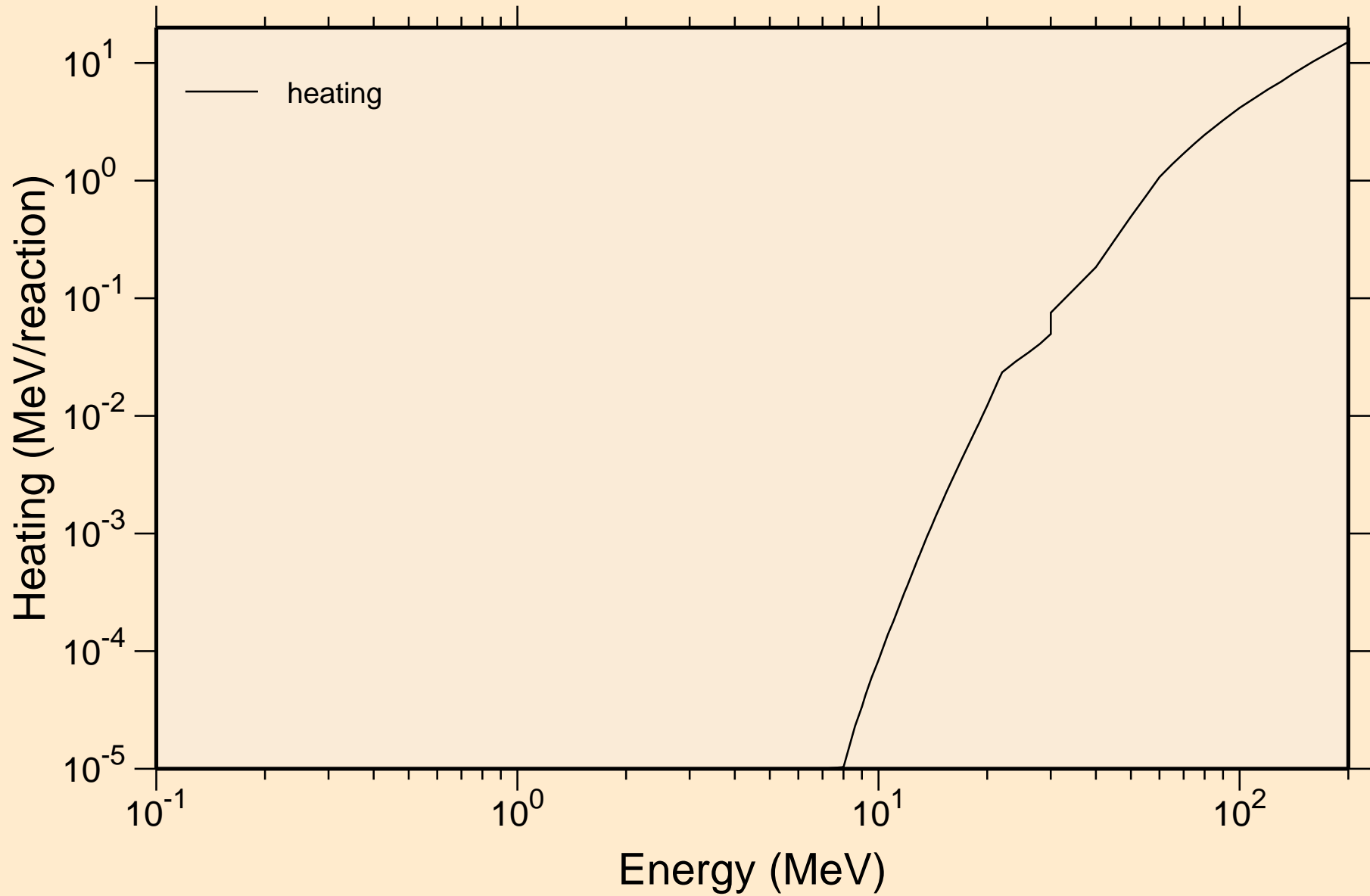
# EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



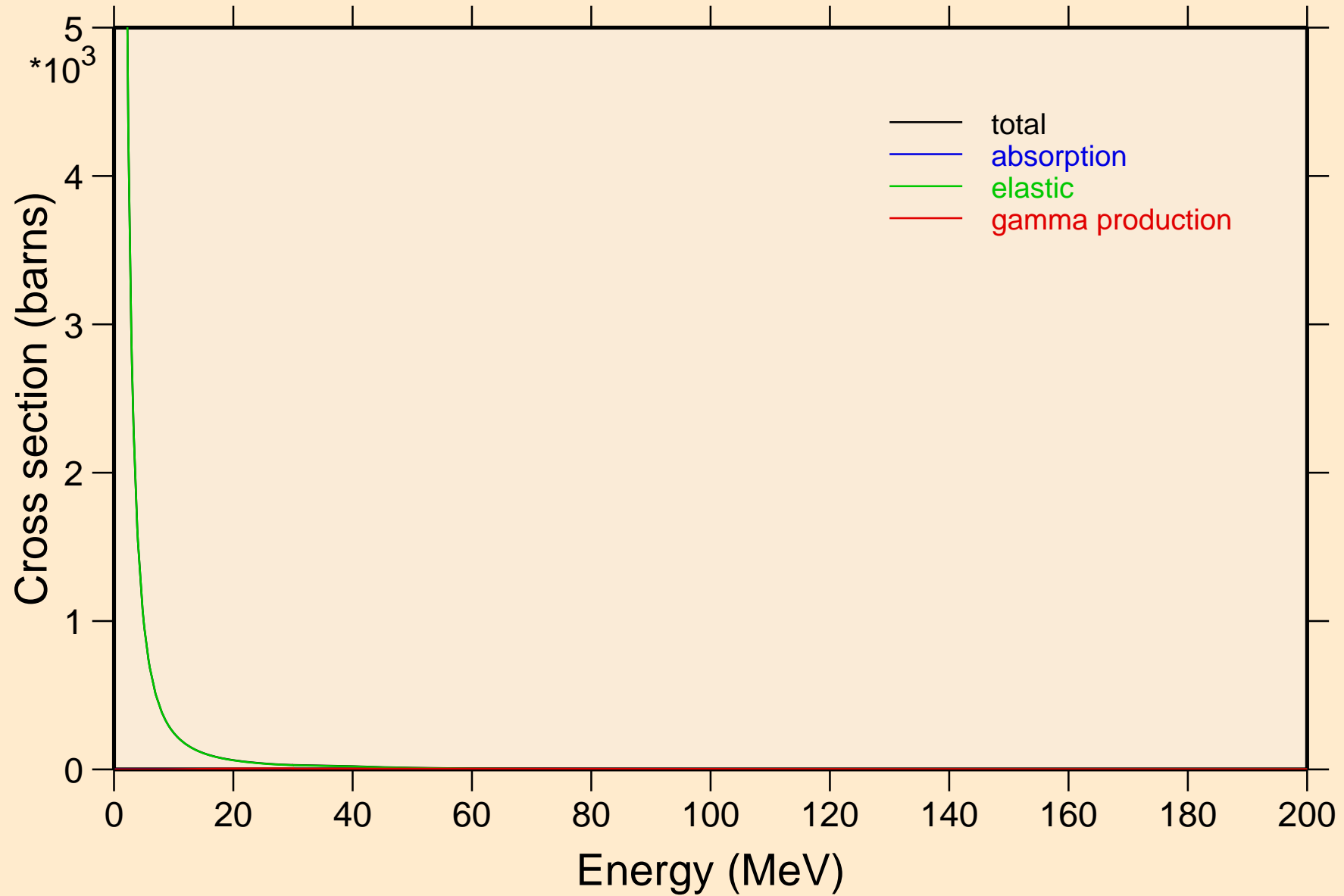
# EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Heating



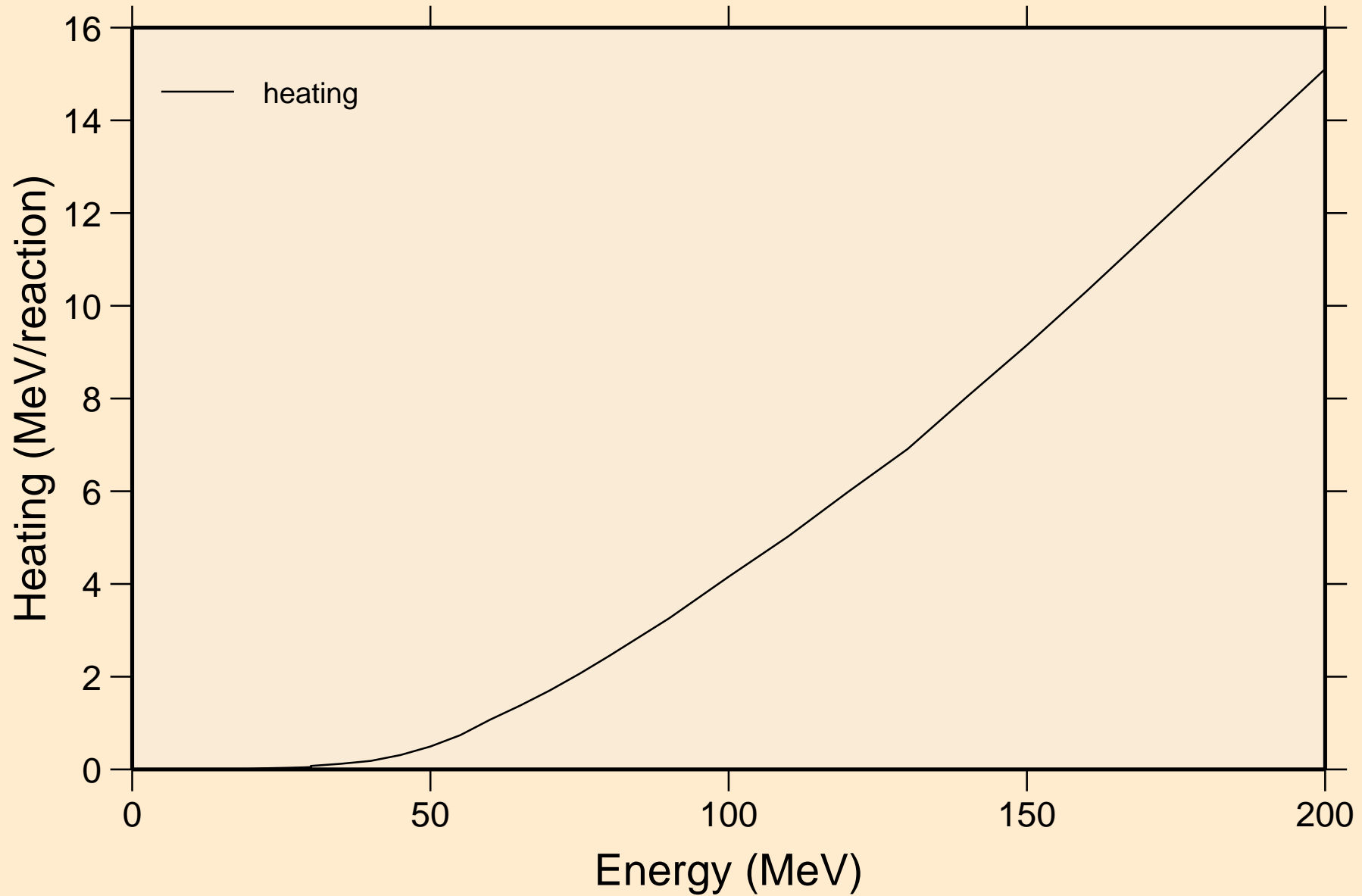
# EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



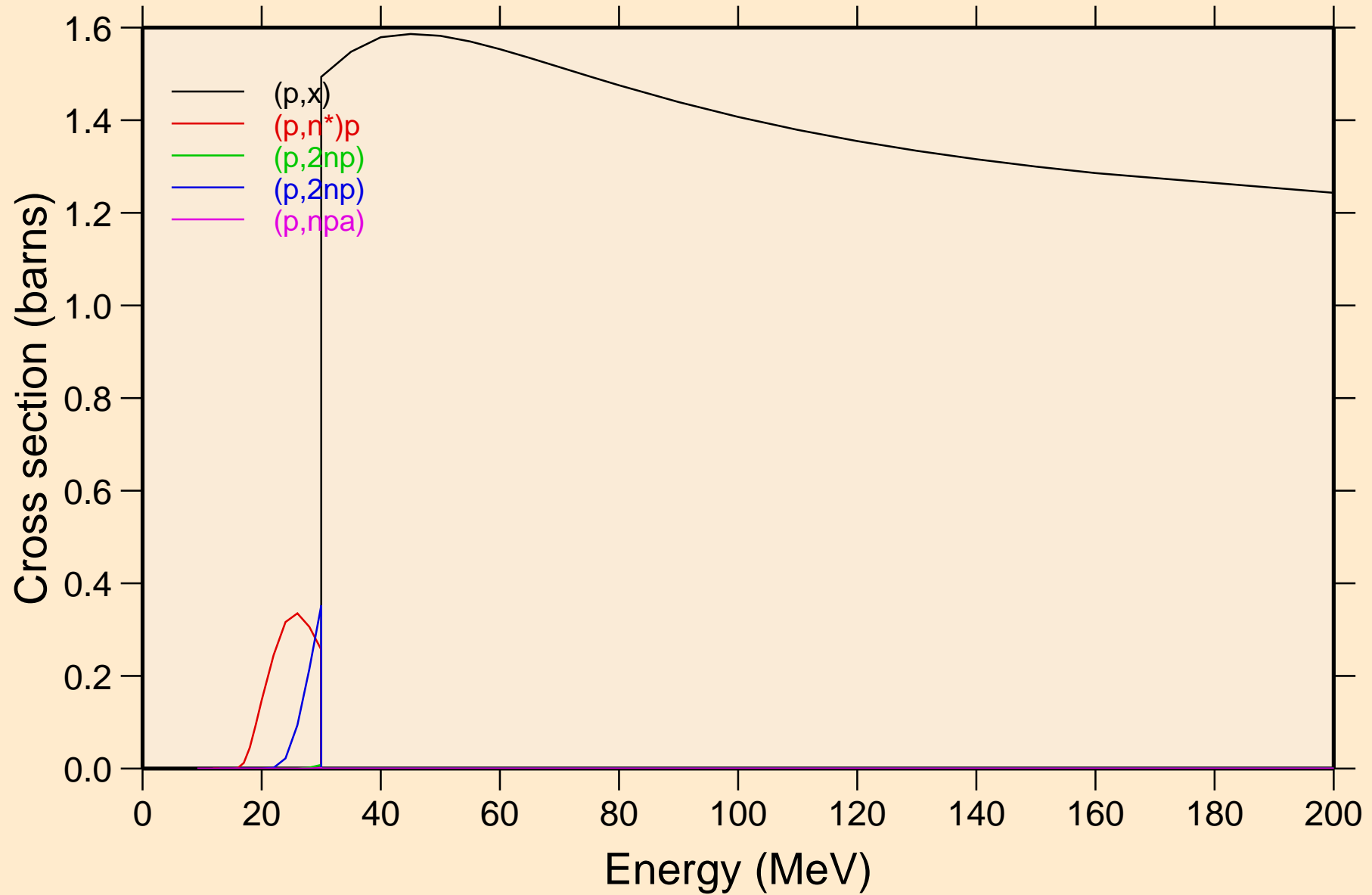
# EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Heating



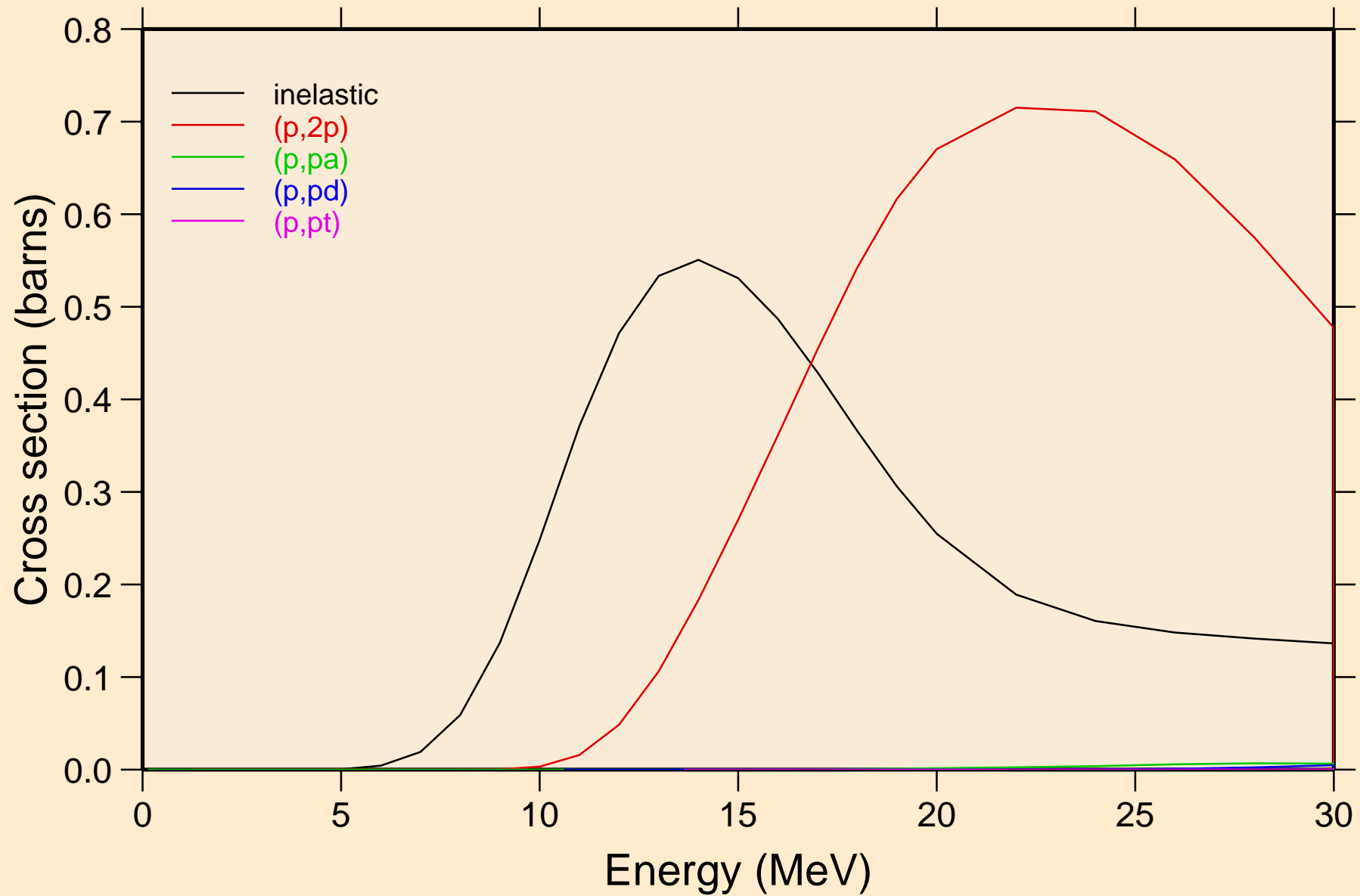
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## Threshold reactions

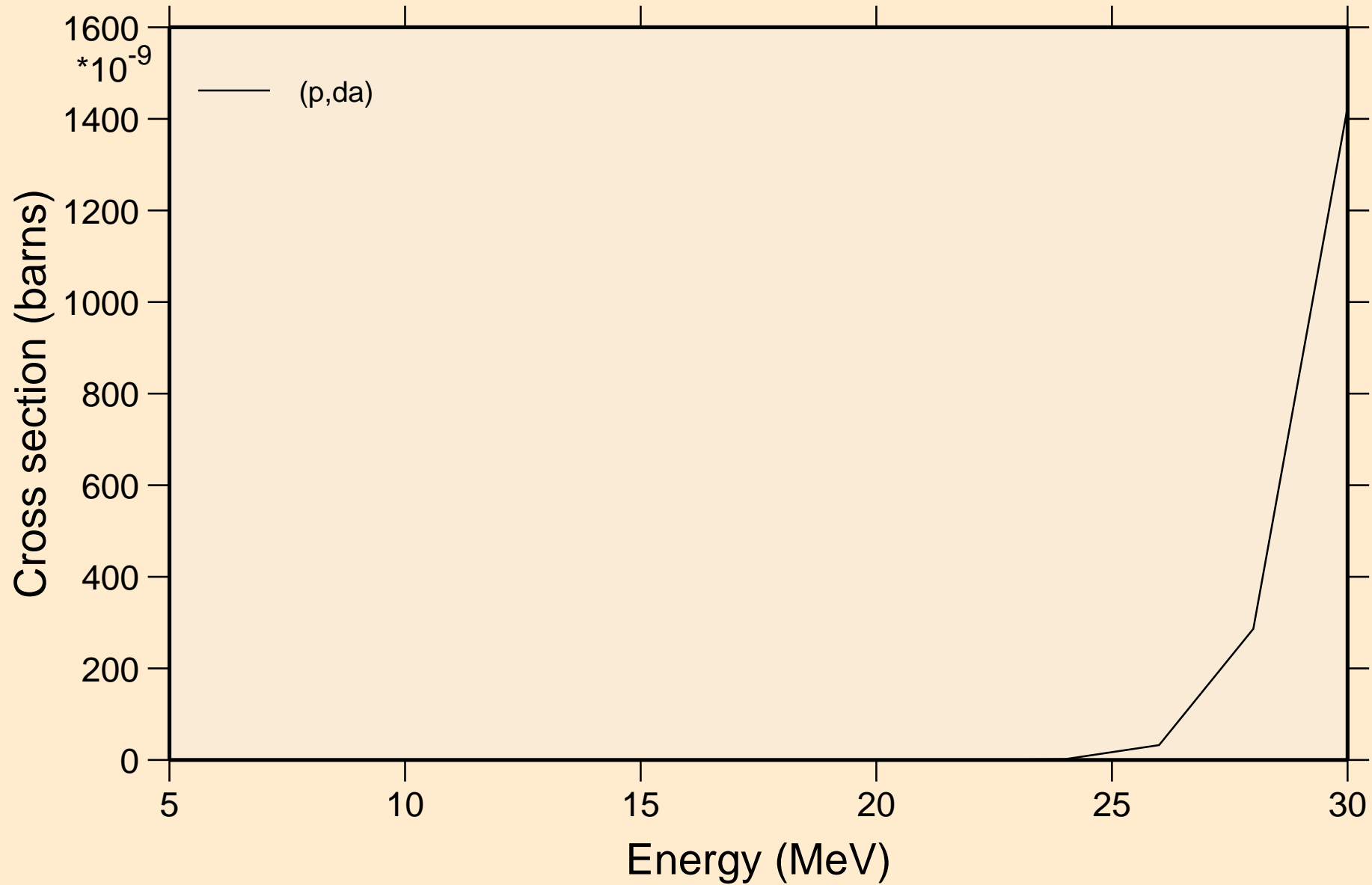


# EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K

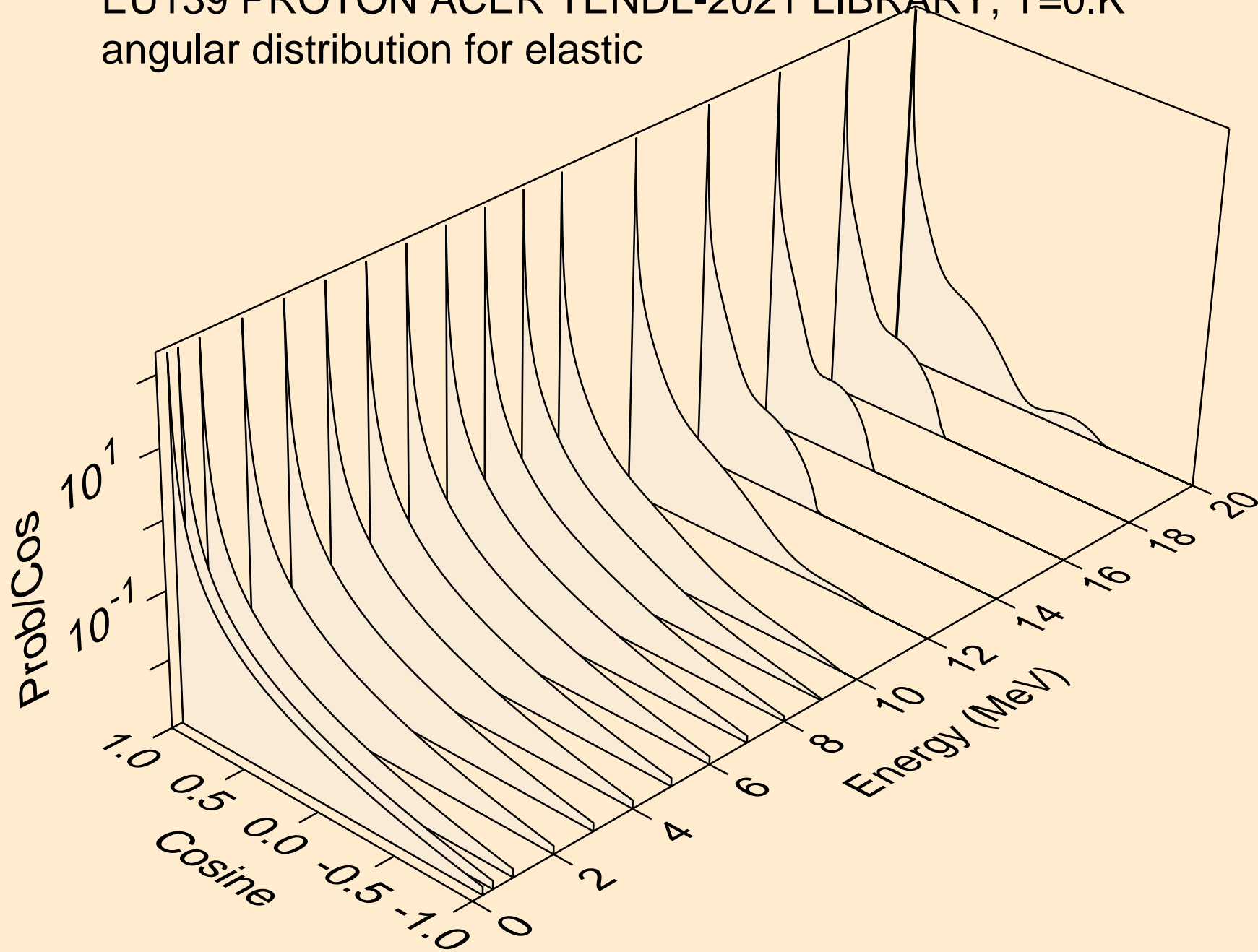
## Threshold reactions



EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

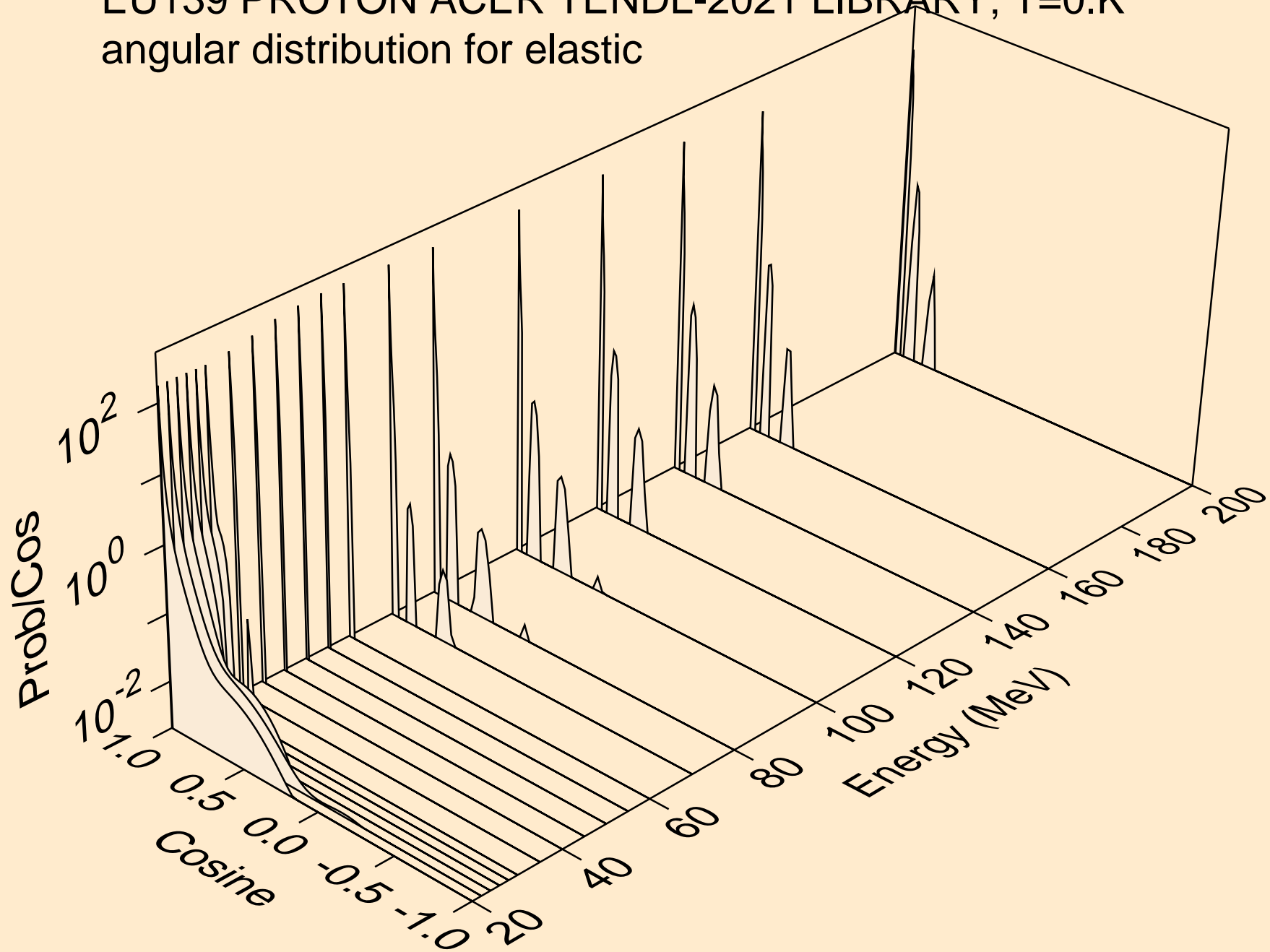


EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic

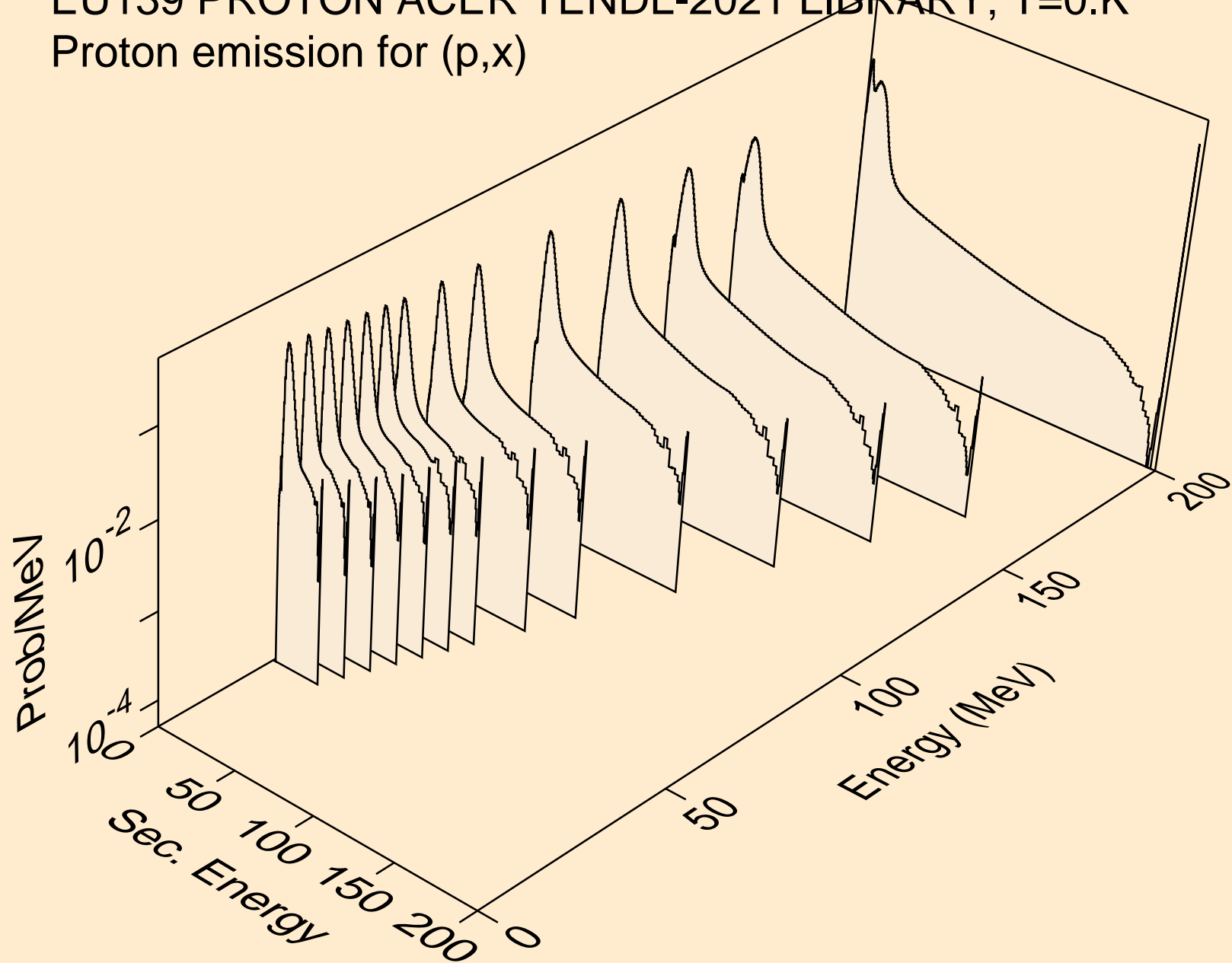




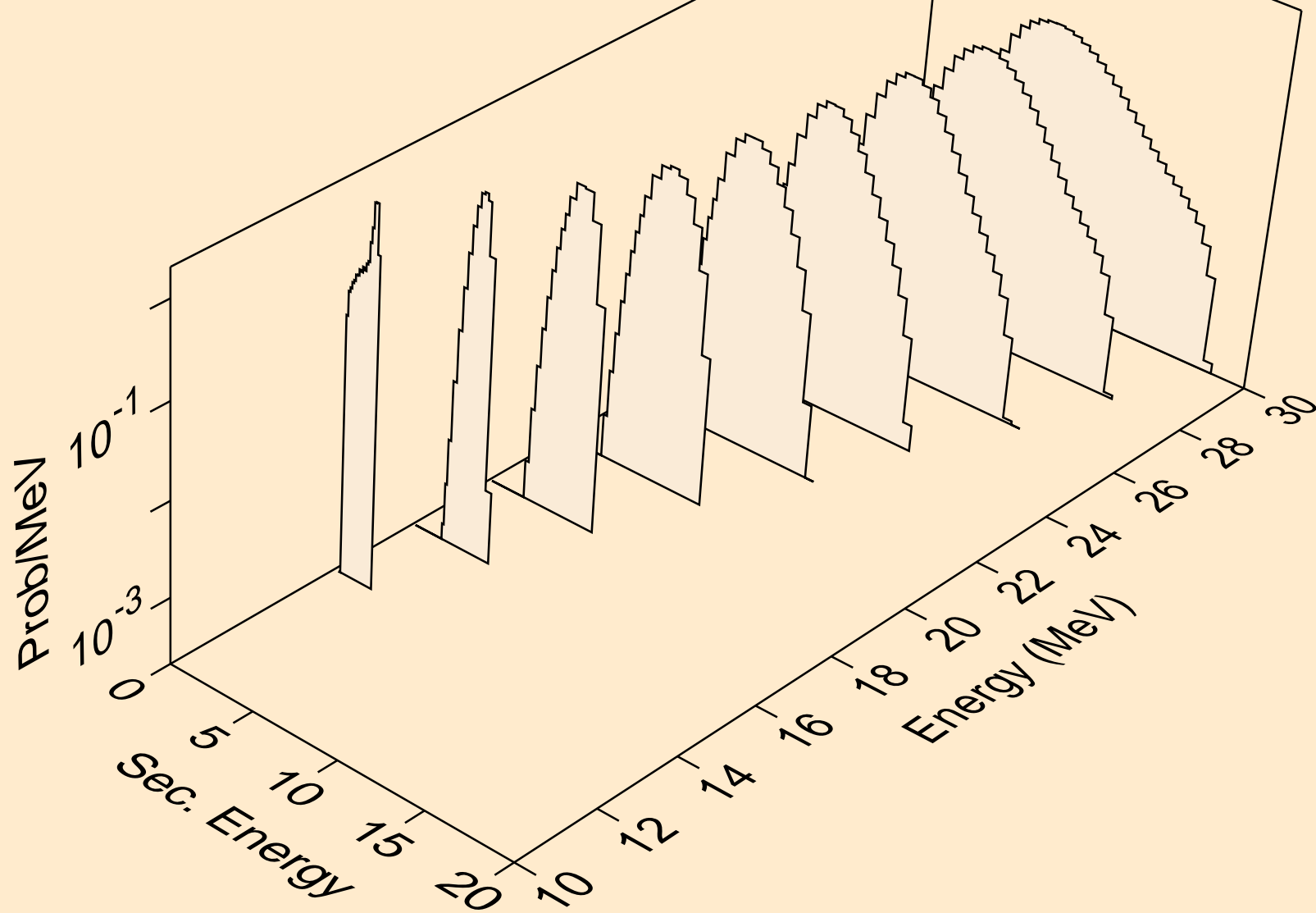
EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



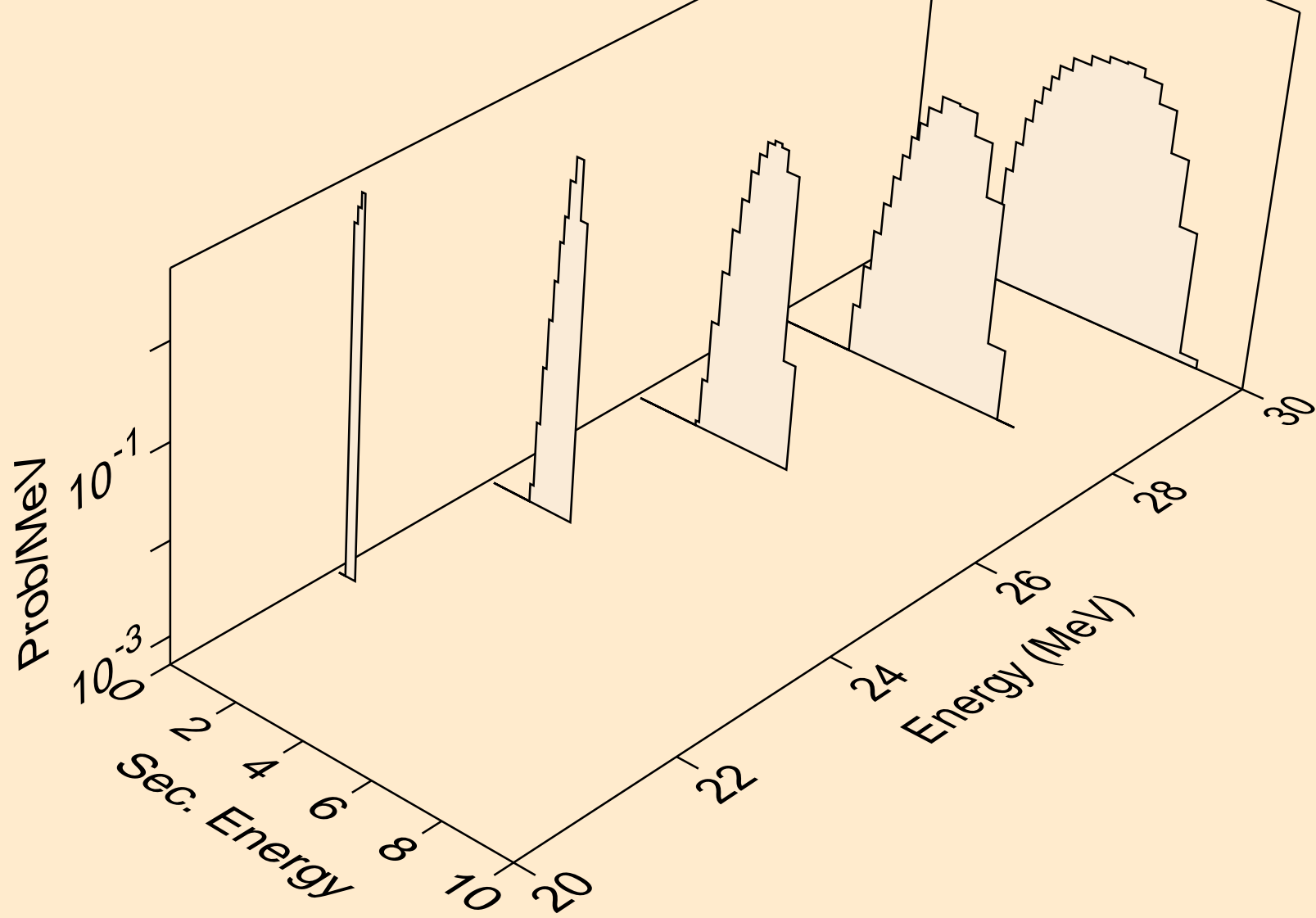
EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,x)



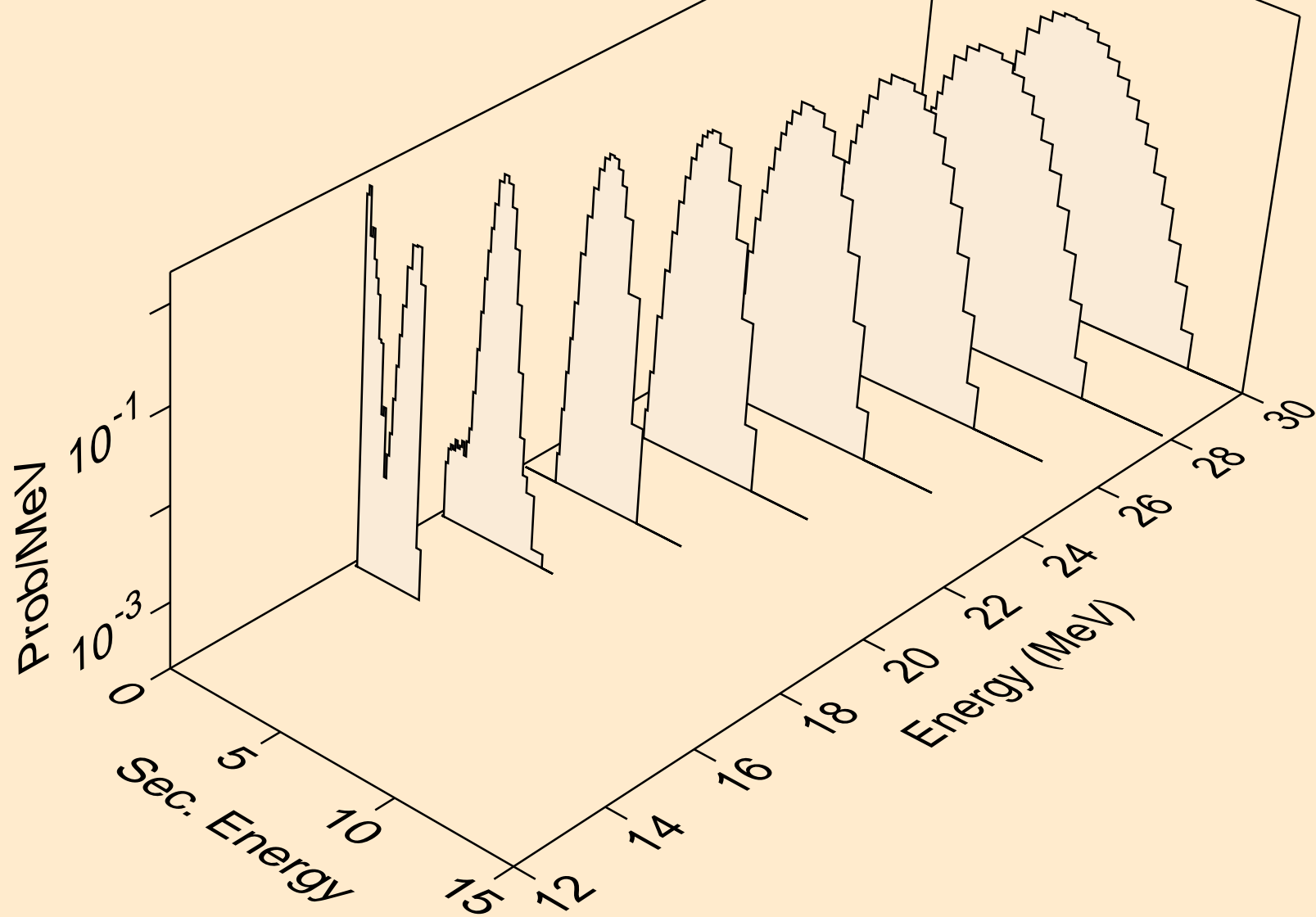
EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



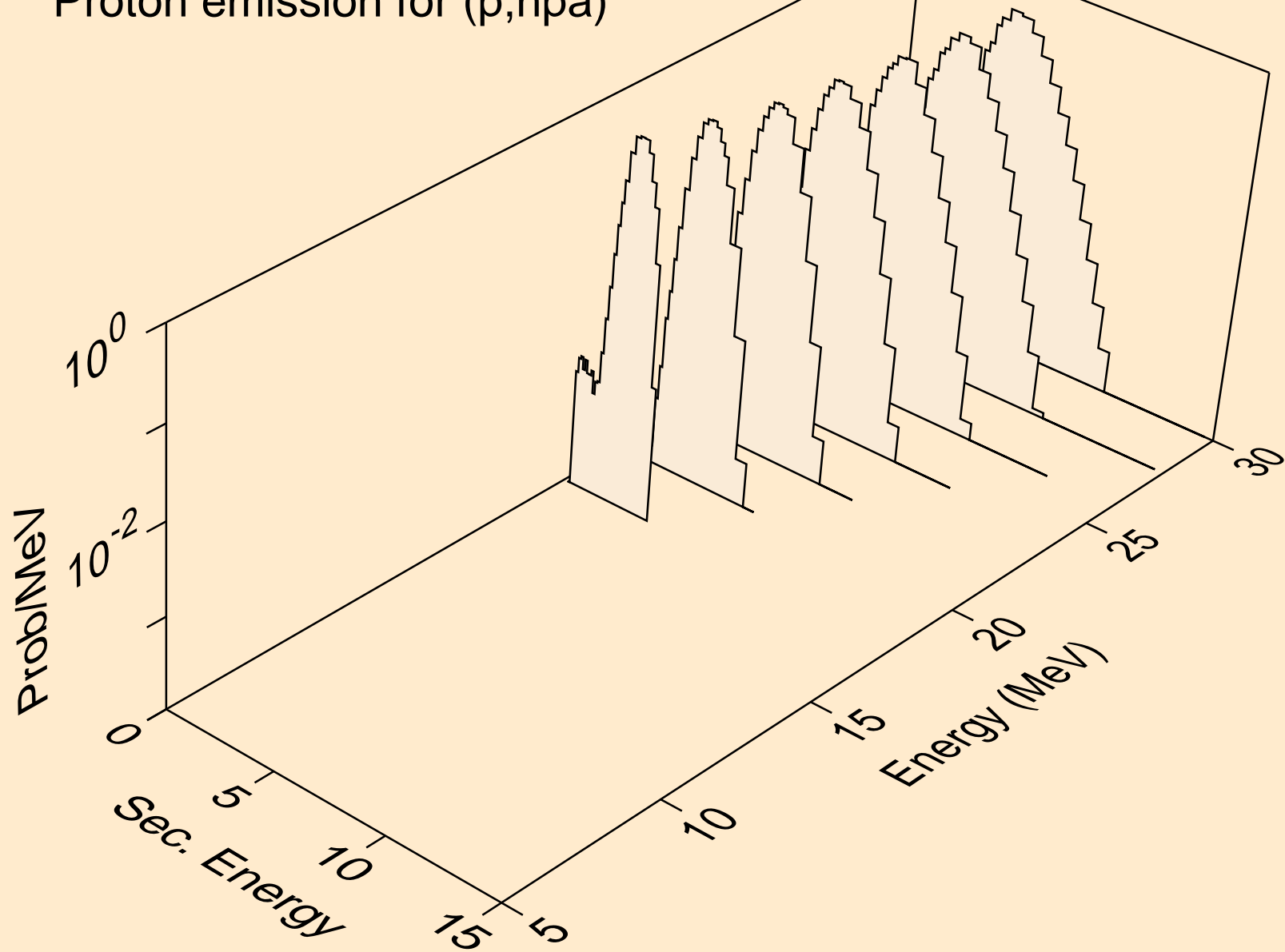
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Proton emission for (p,2np)



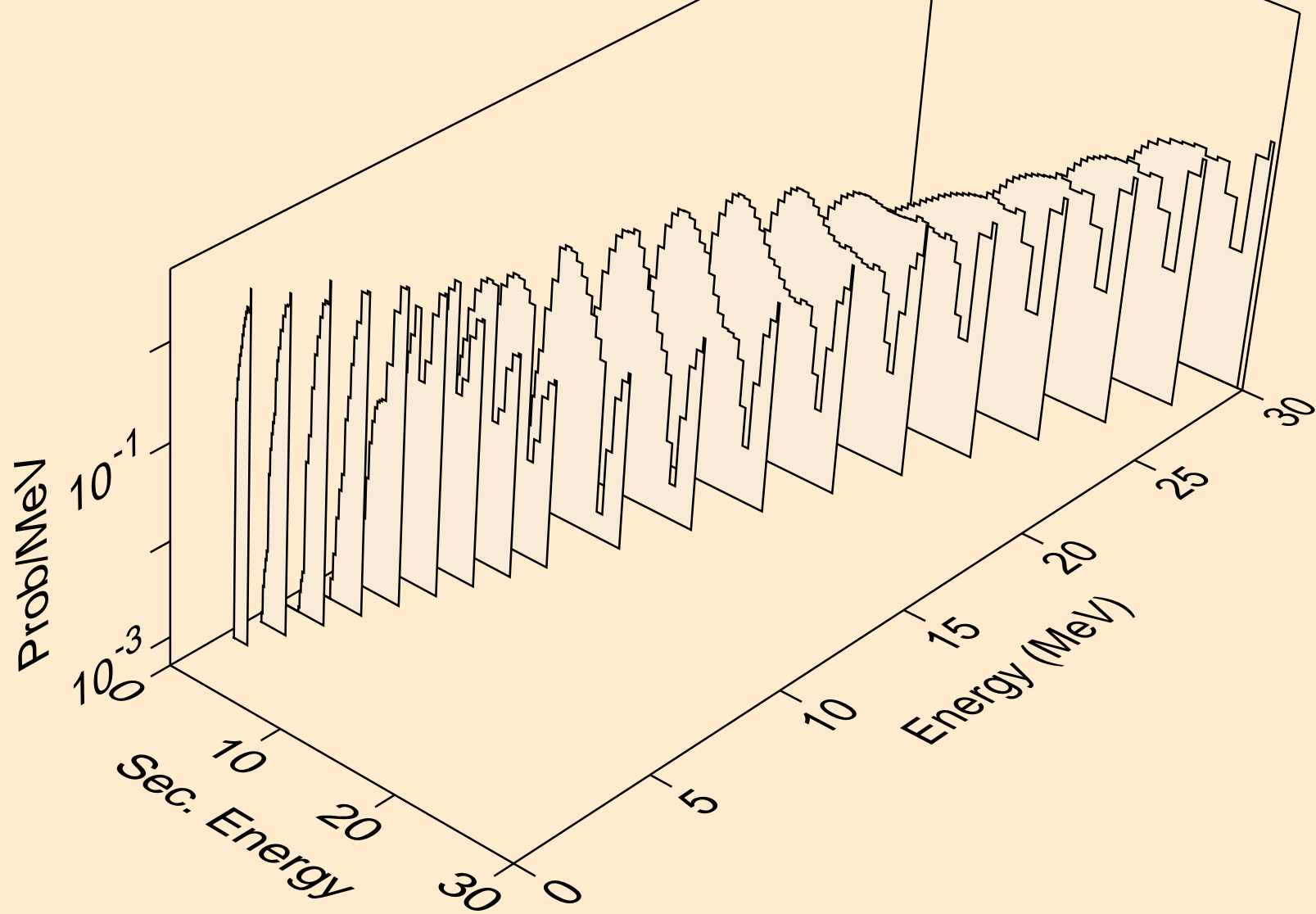
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Proton emission for (p,2np)



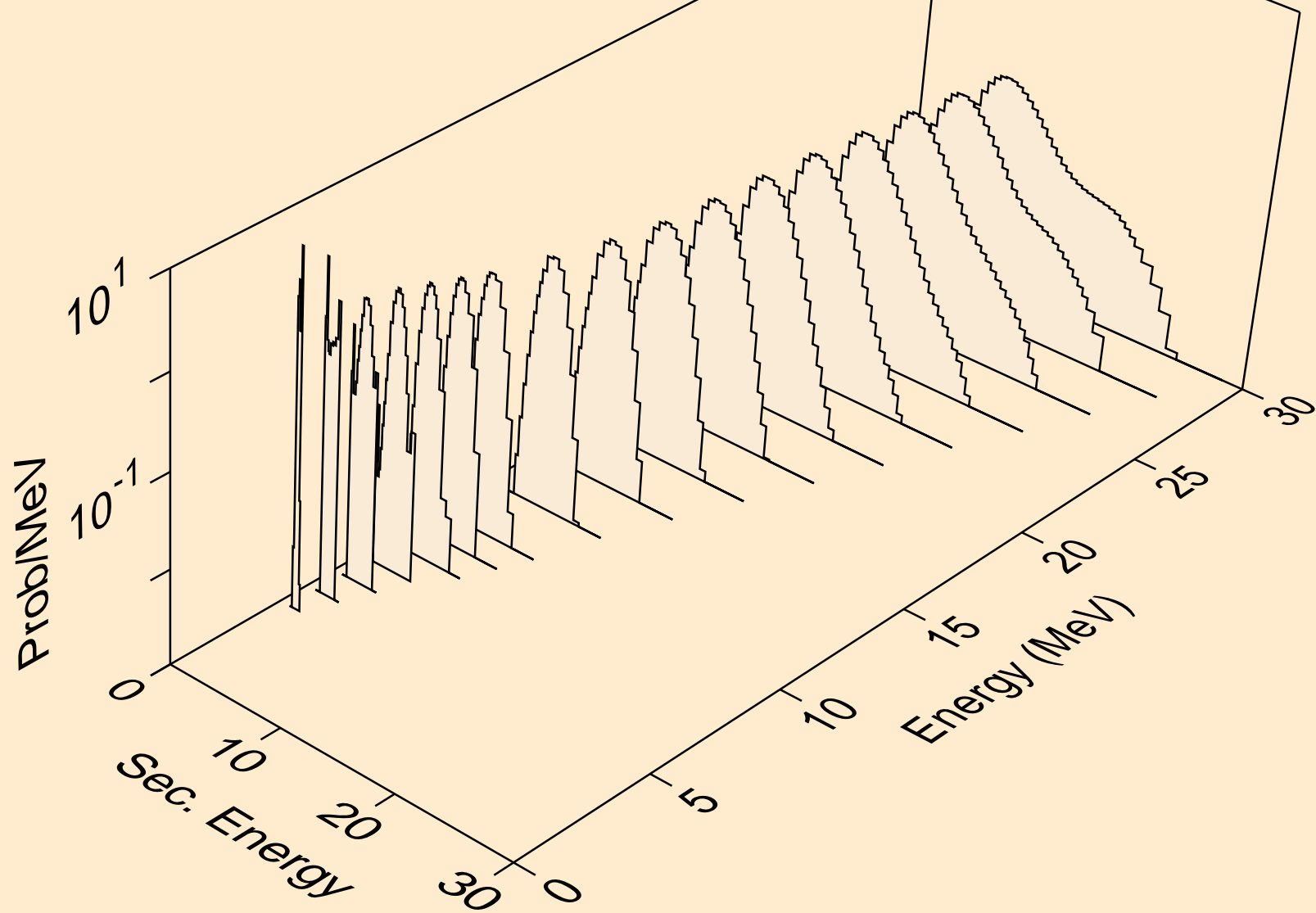
EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,npa)



EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for inelastic

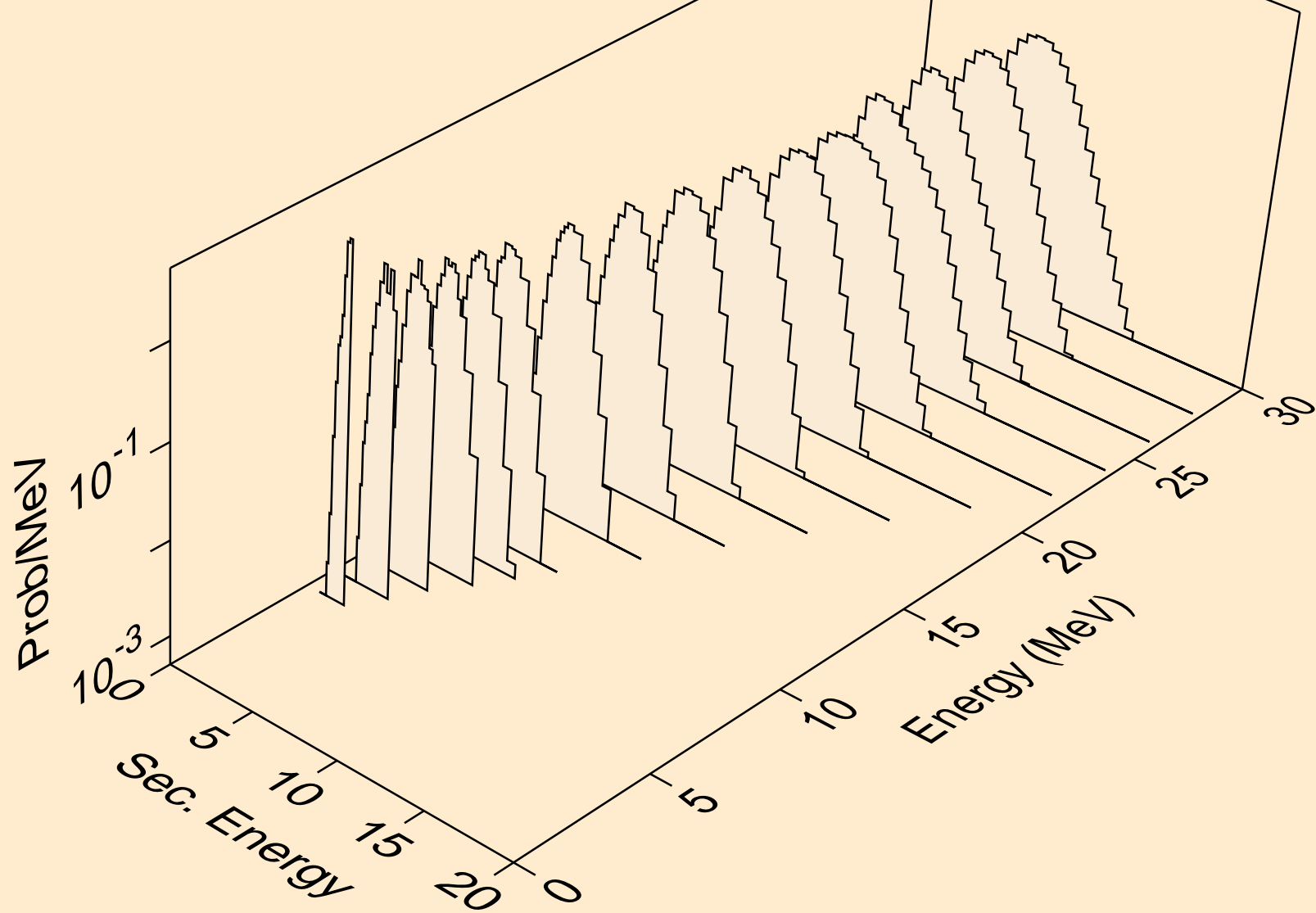


EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2p)

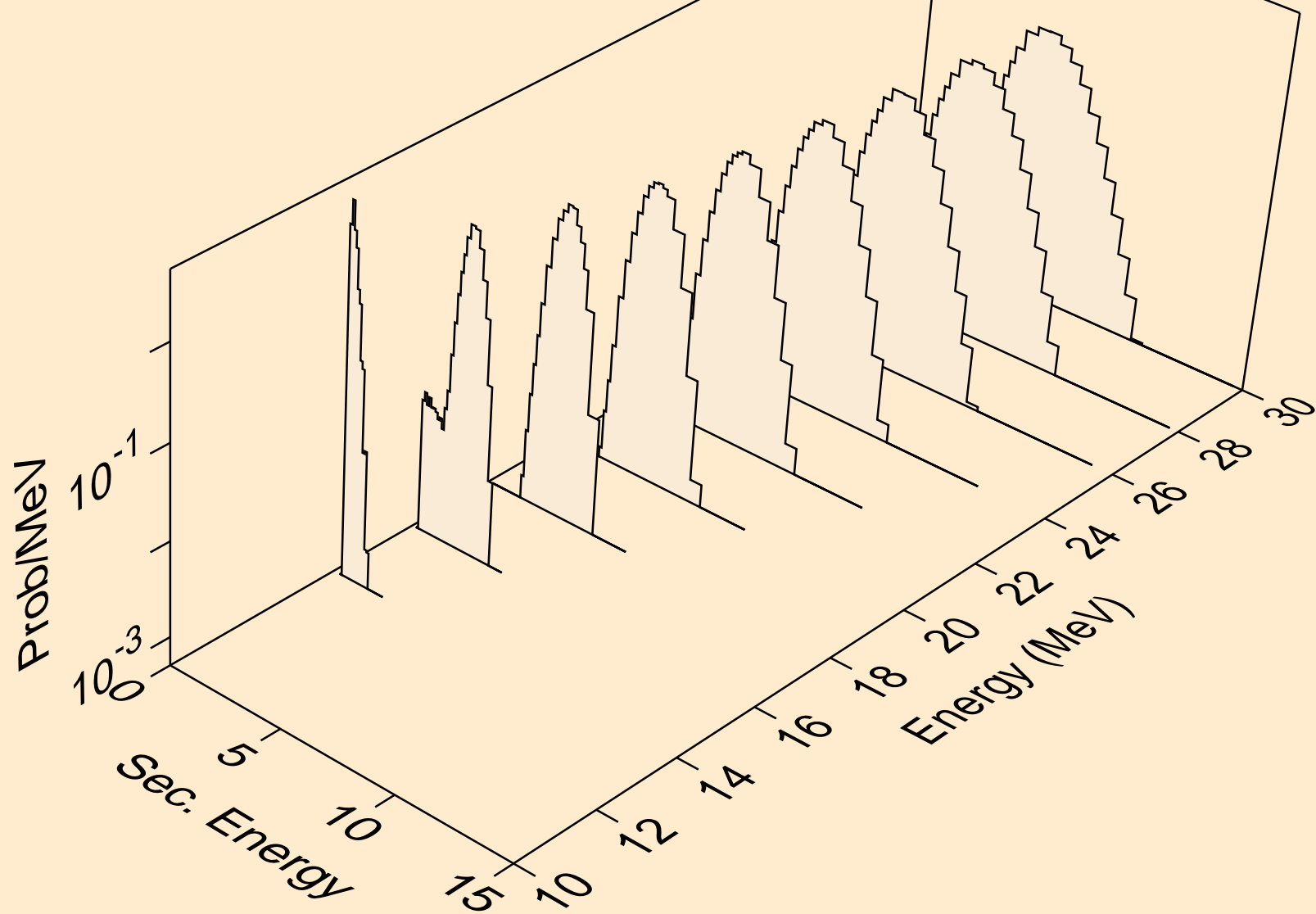




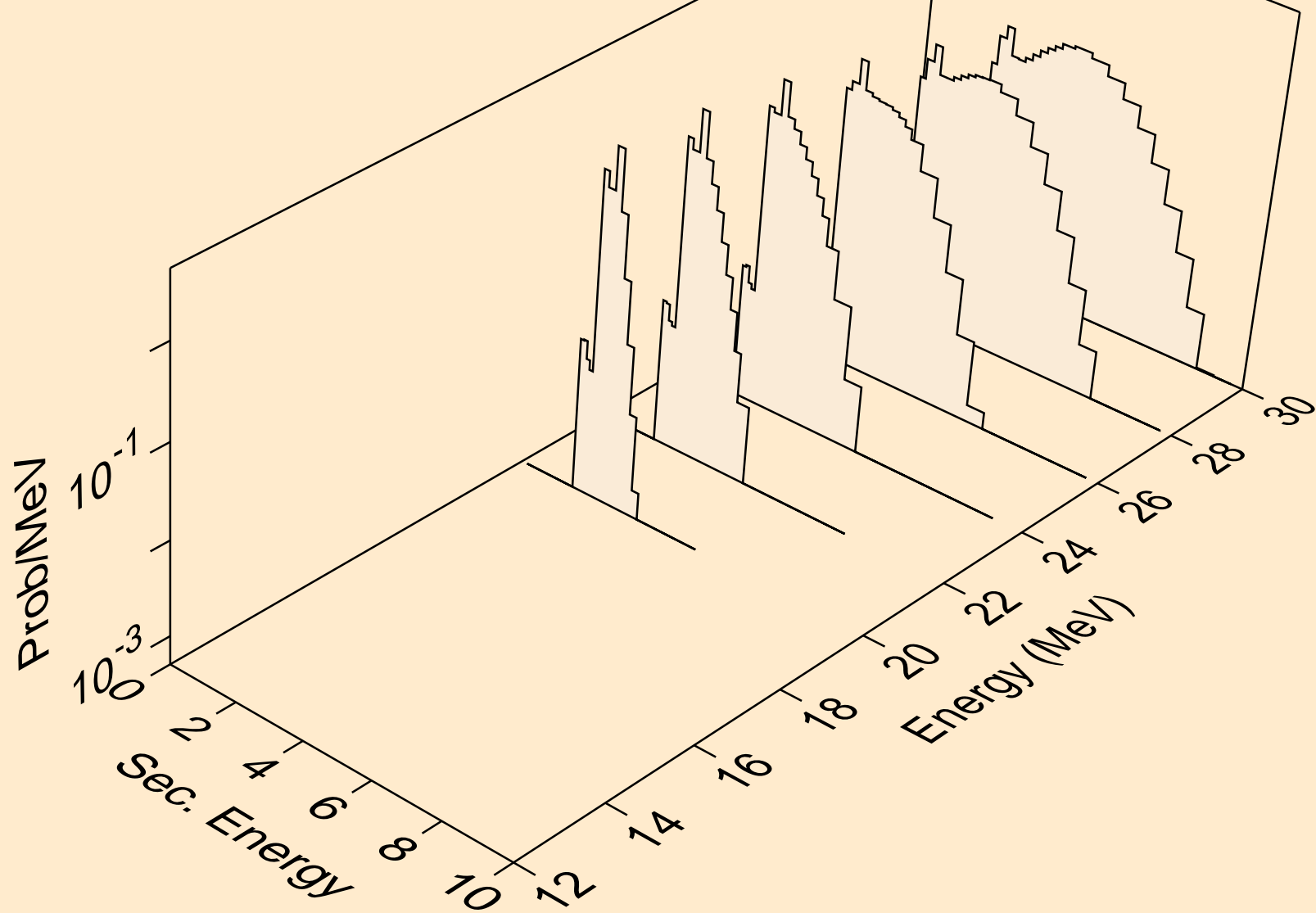
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Proton emission for (p,pa)



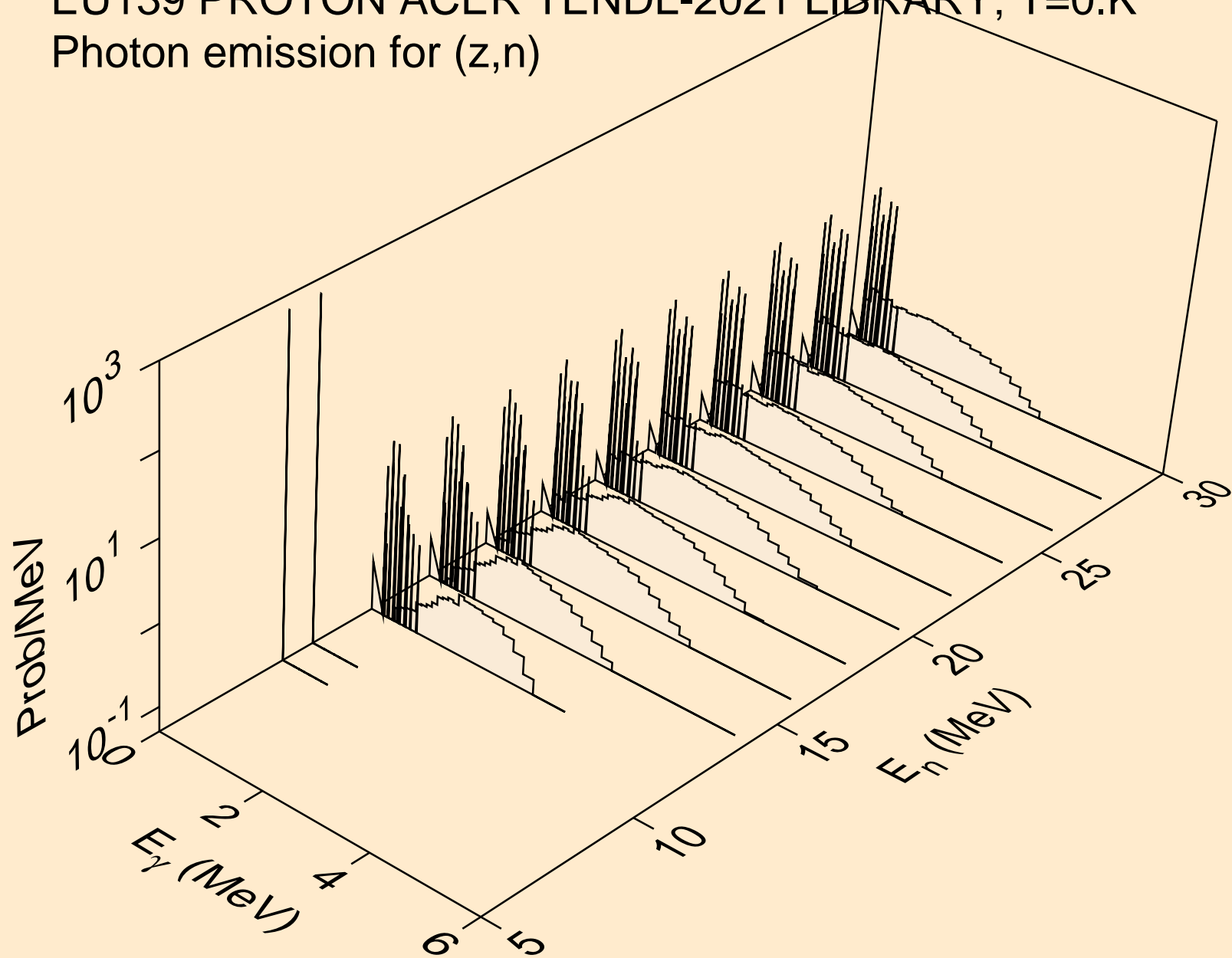
EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pd)



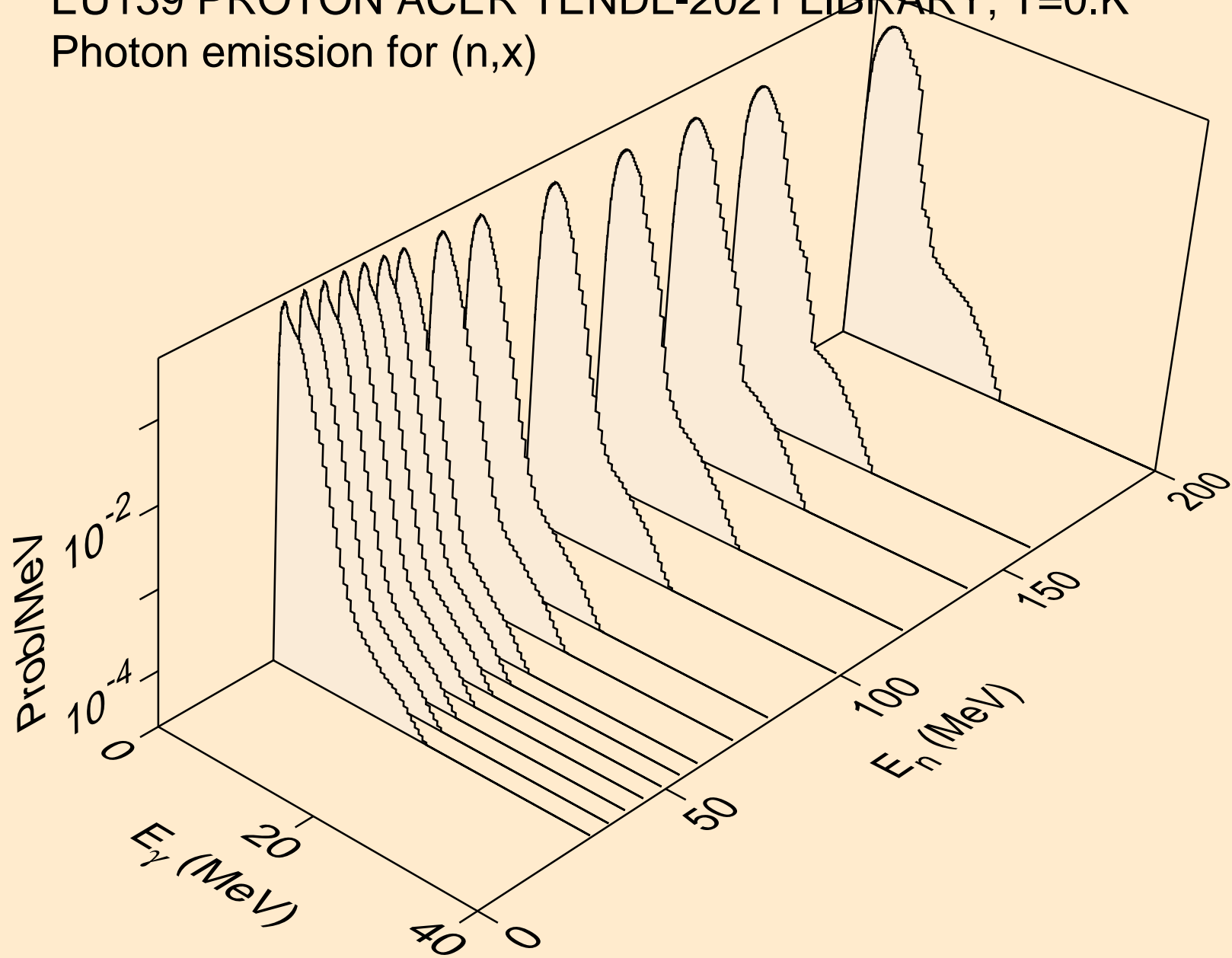
EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pt)



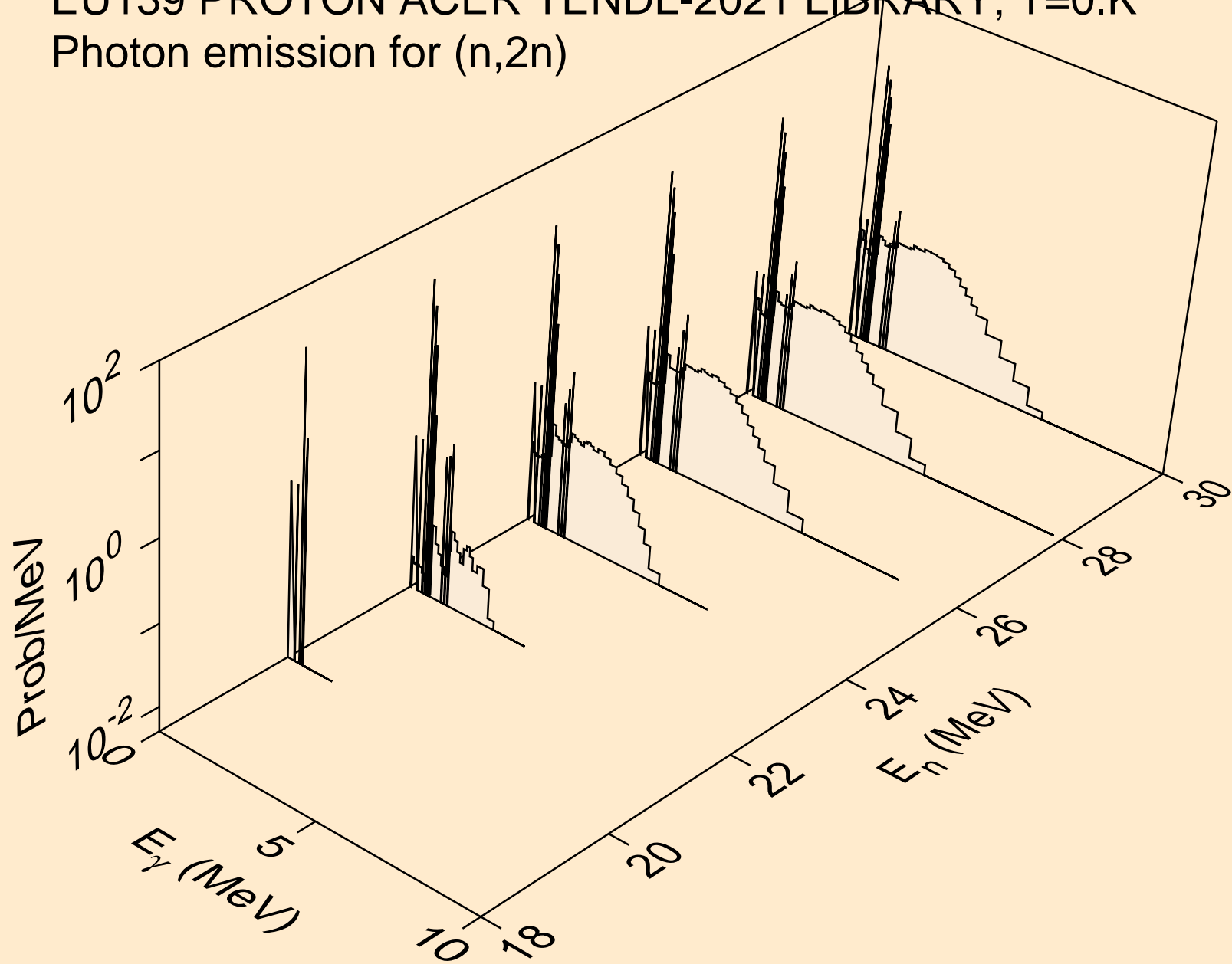
EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)



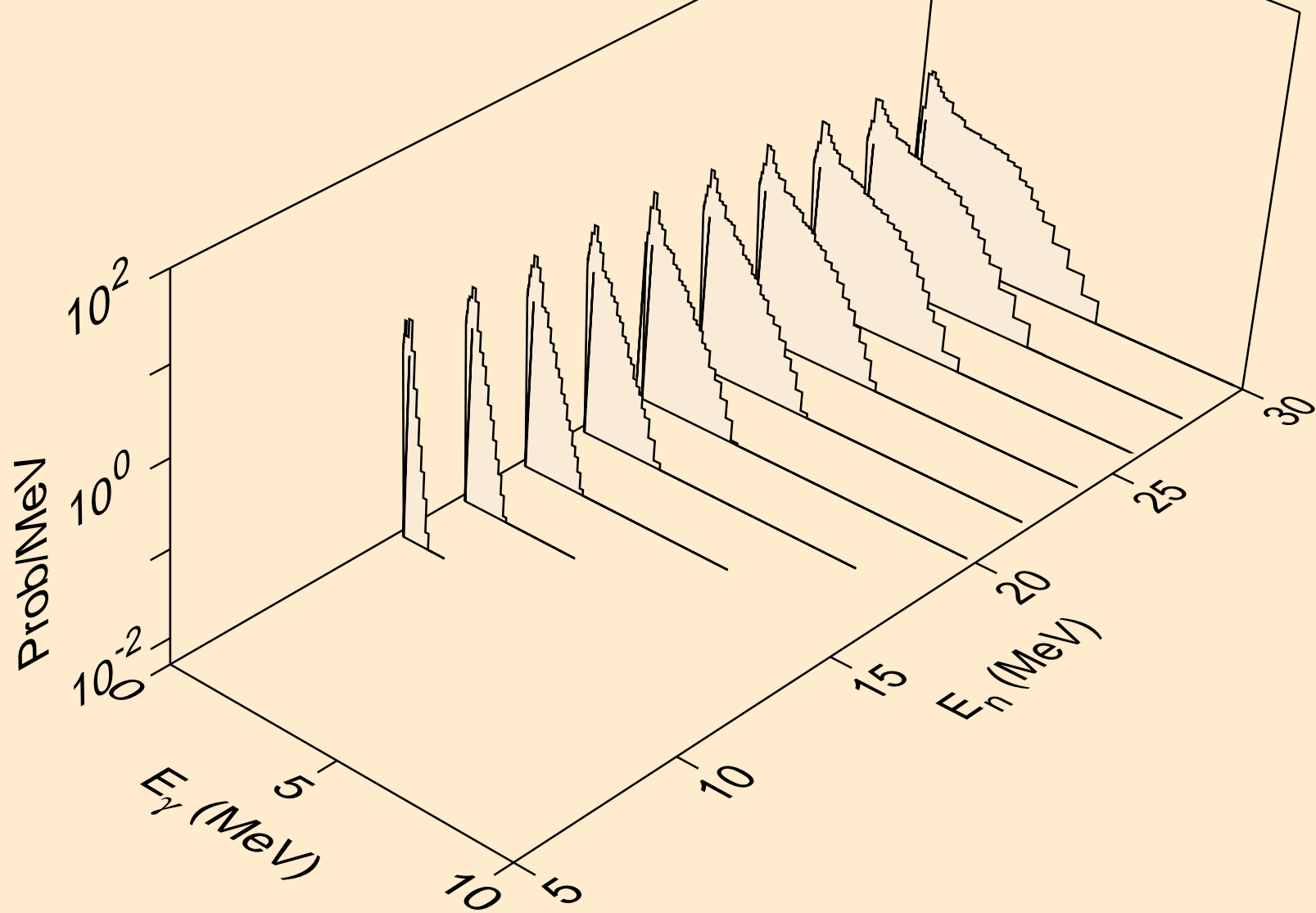
EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



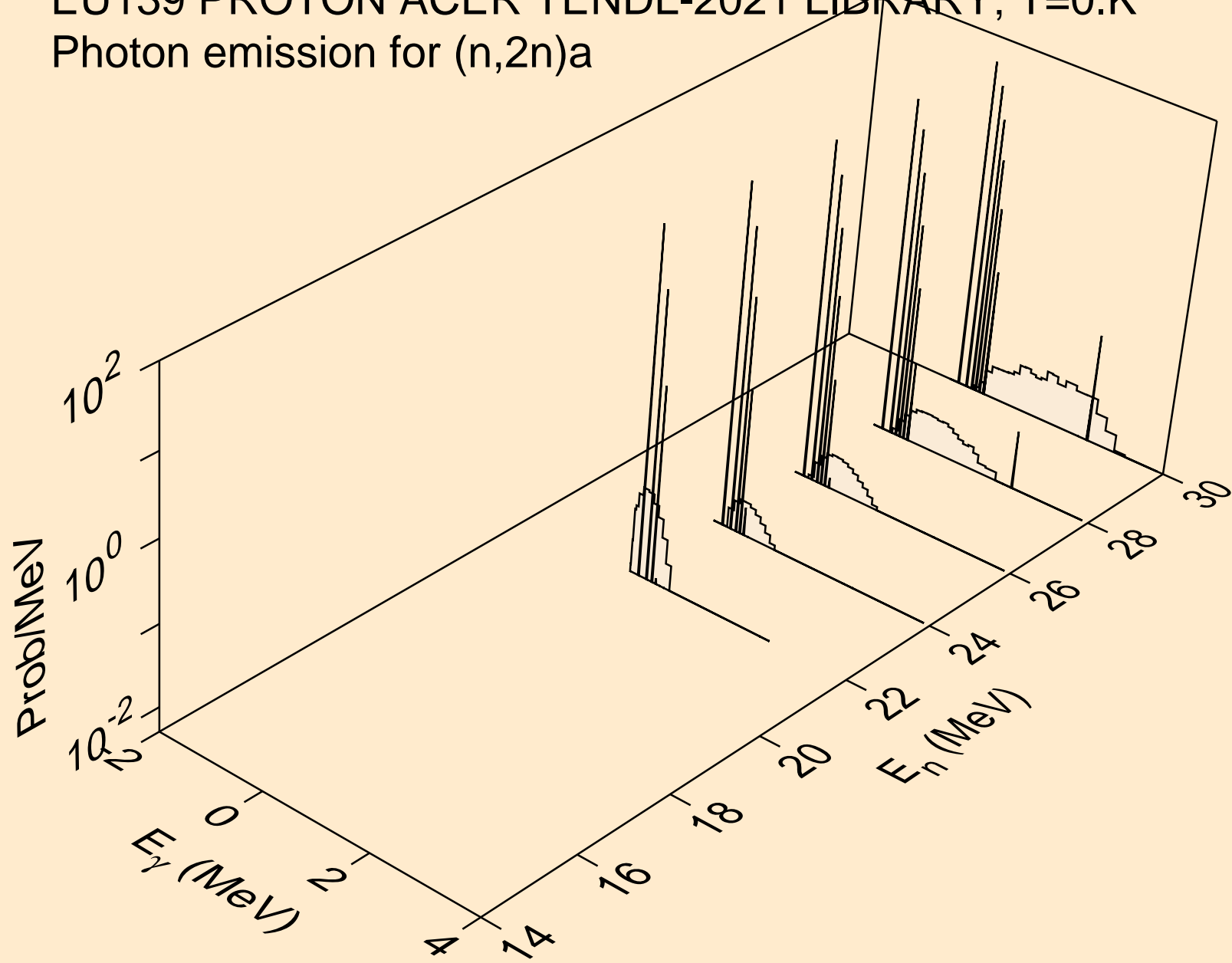
EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)



EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

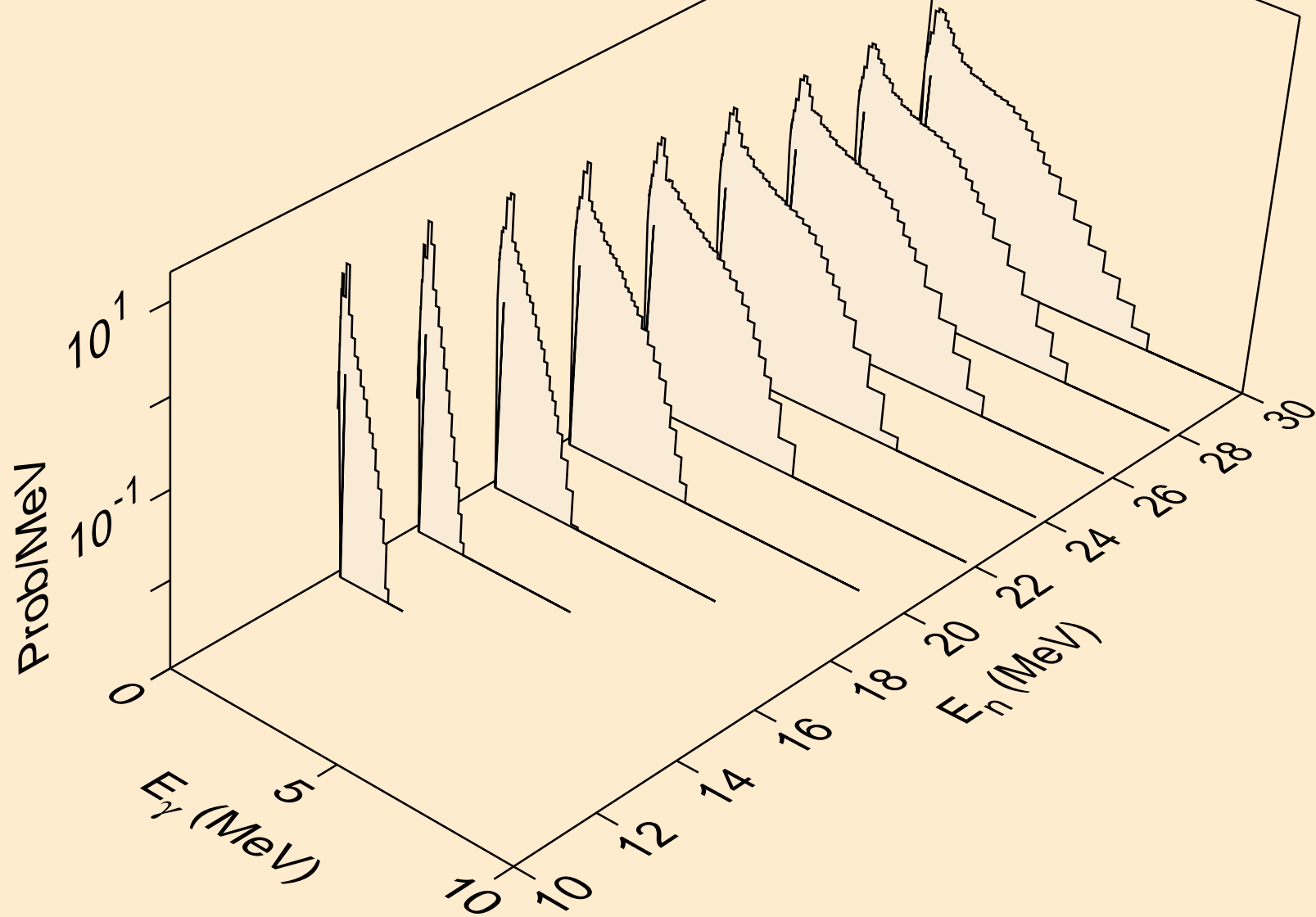


EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)a

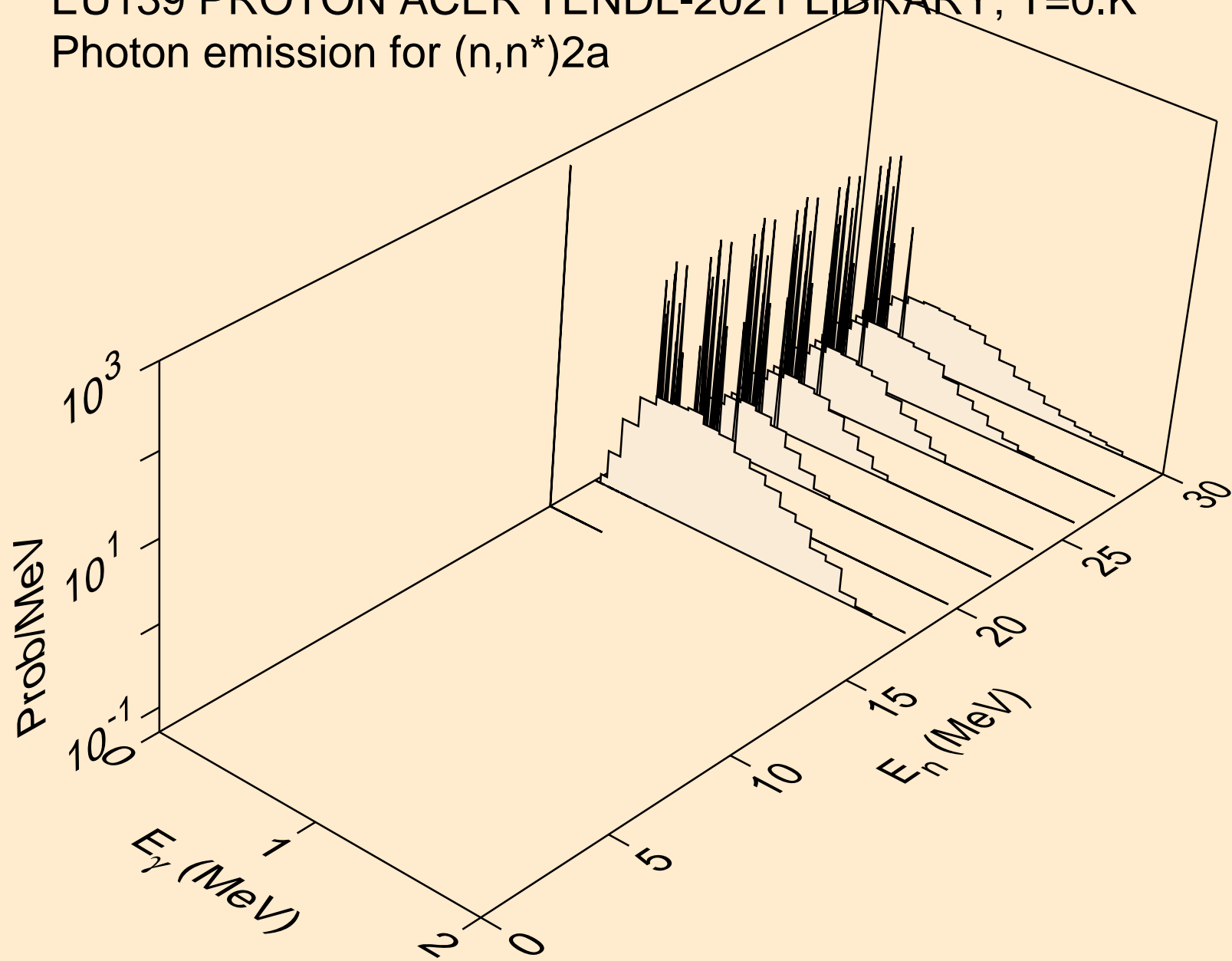




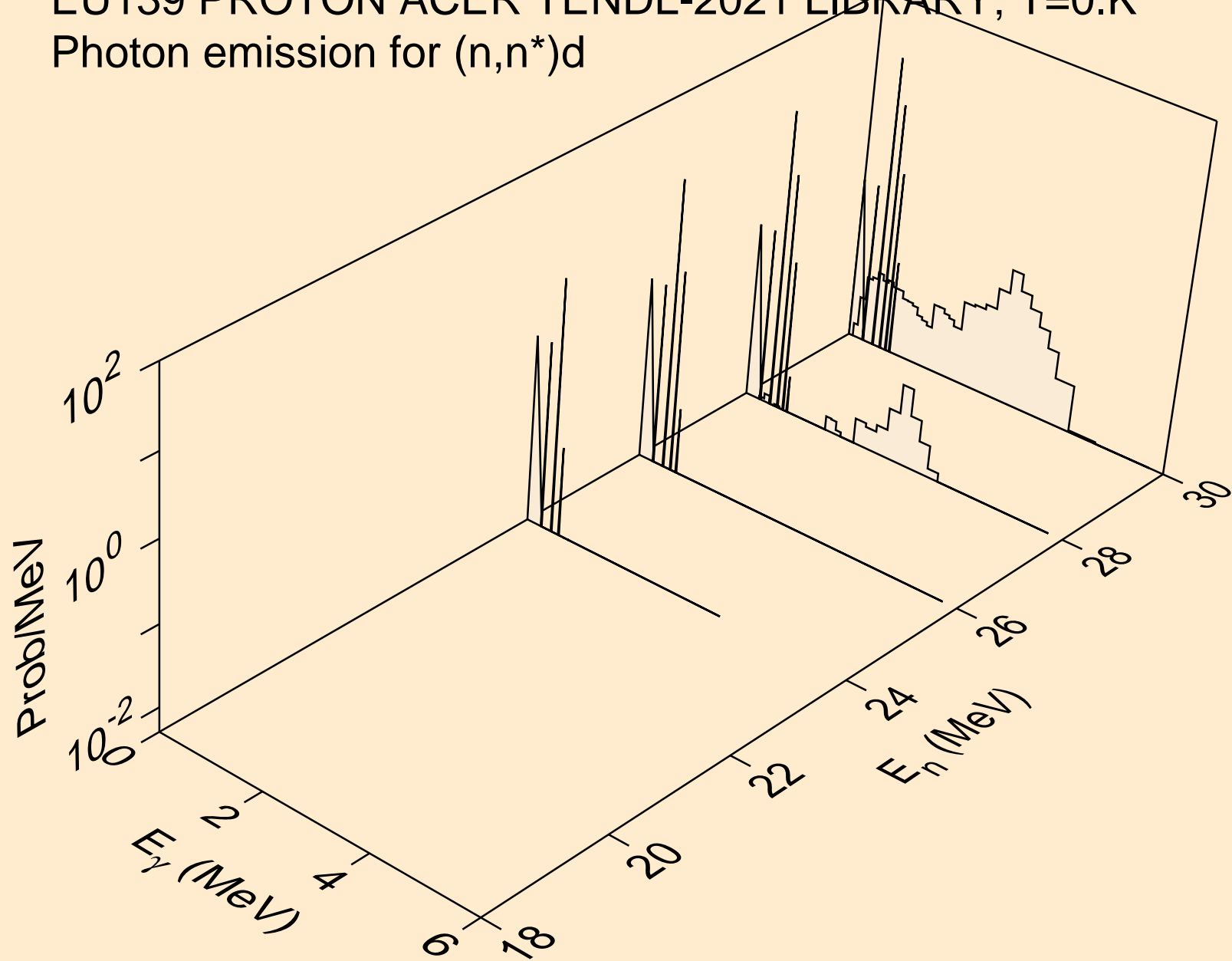
EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



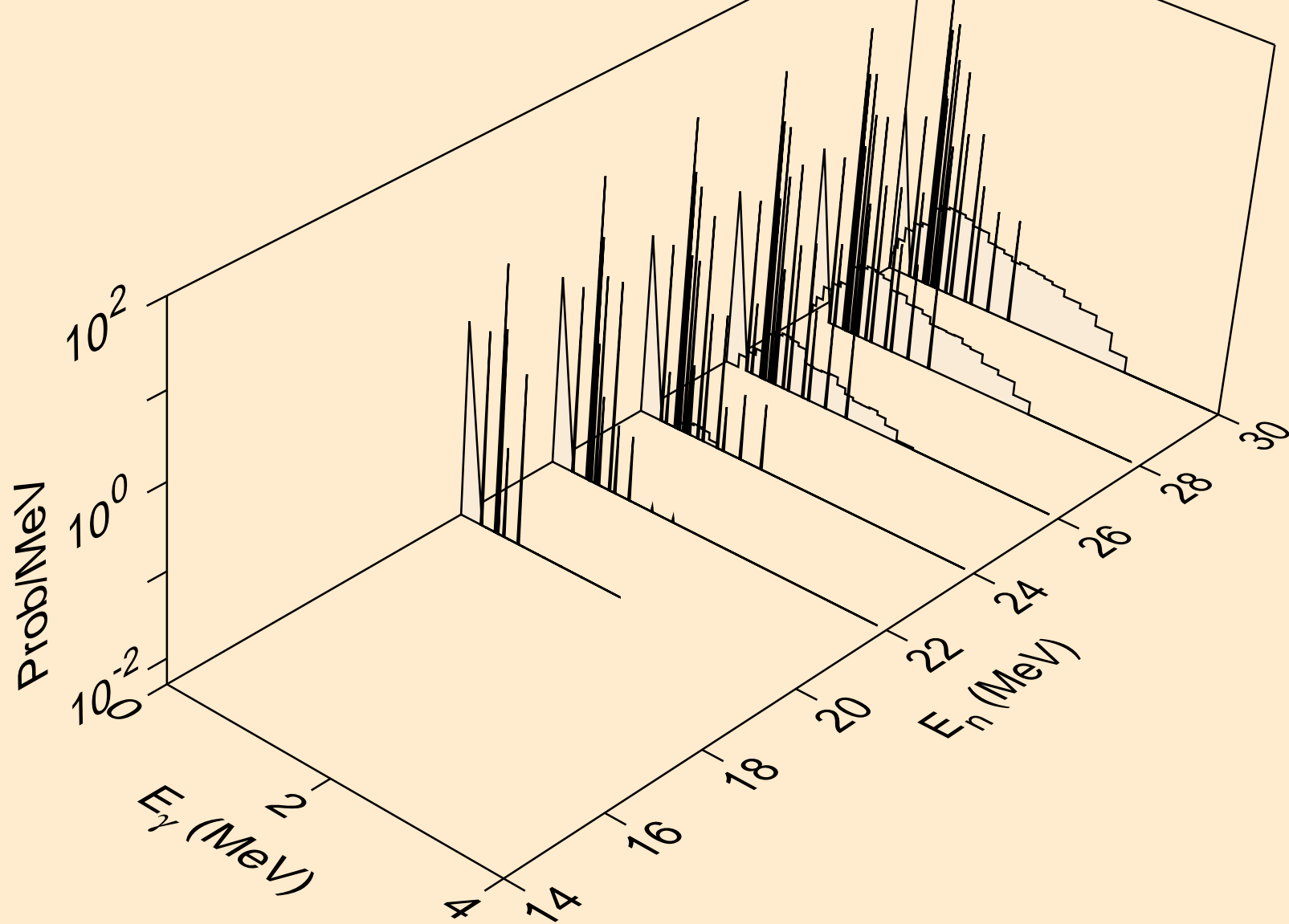
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Photon emission for (n,n\*)2a



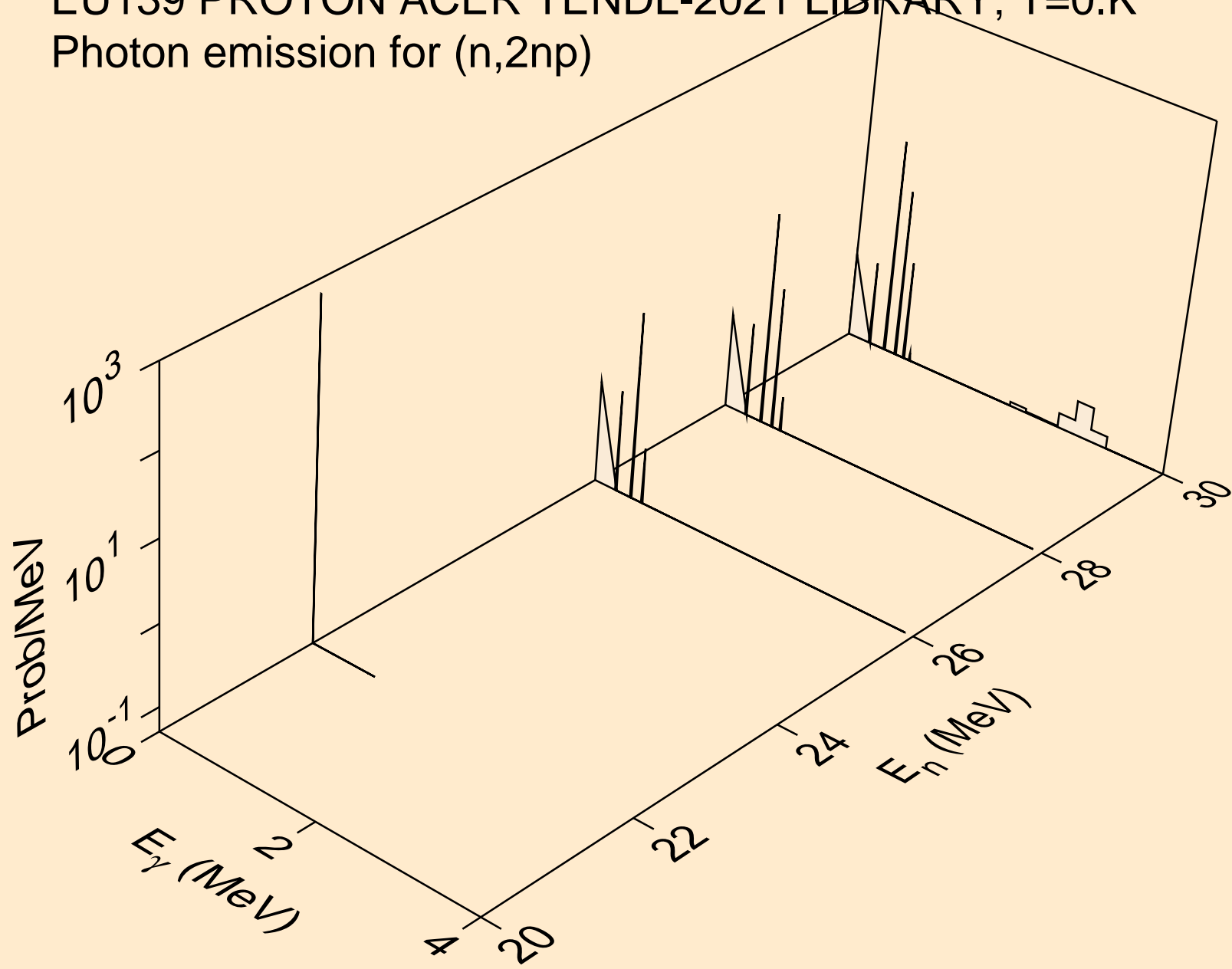
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Photon emission for (n,n\*)d



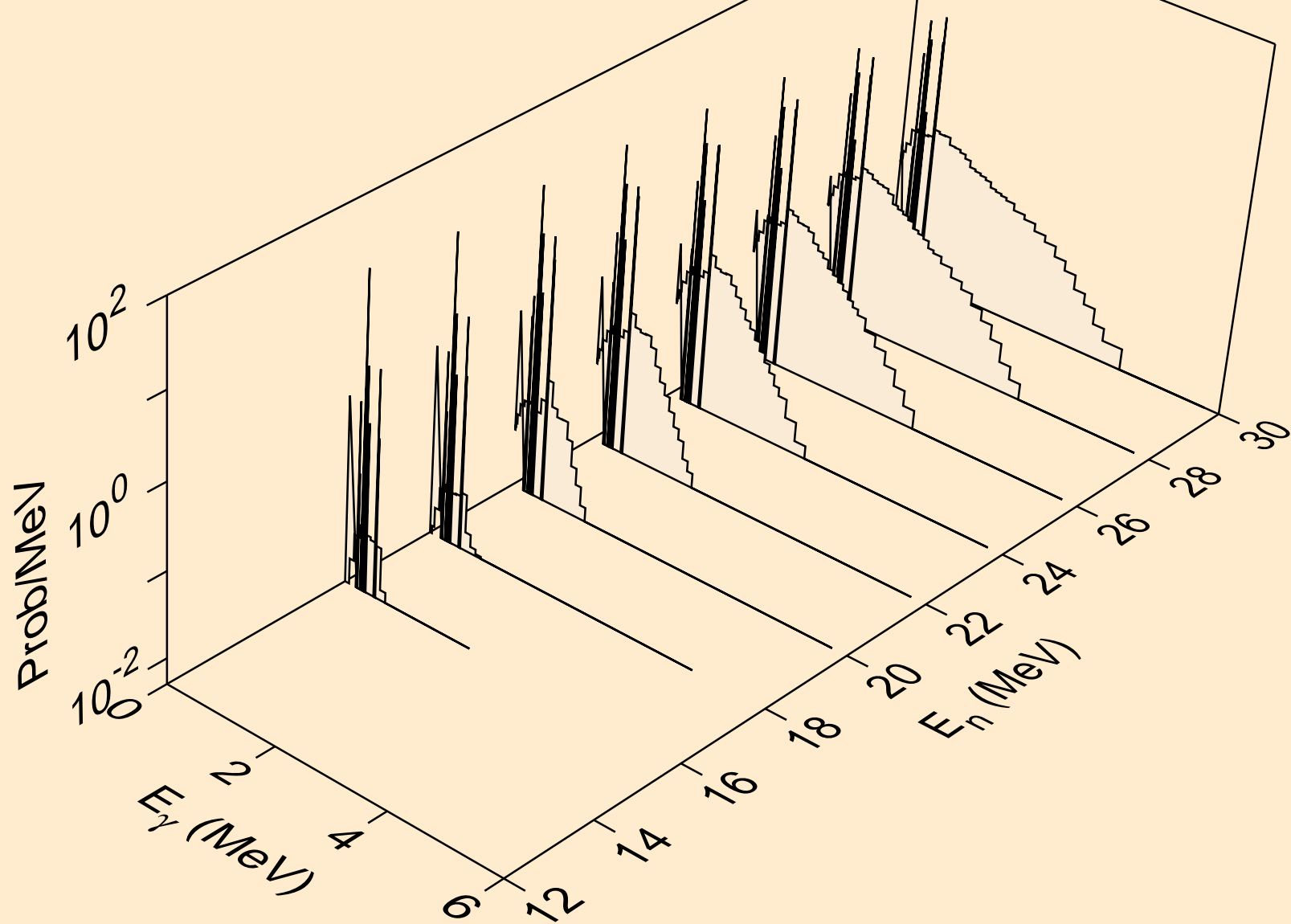
EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



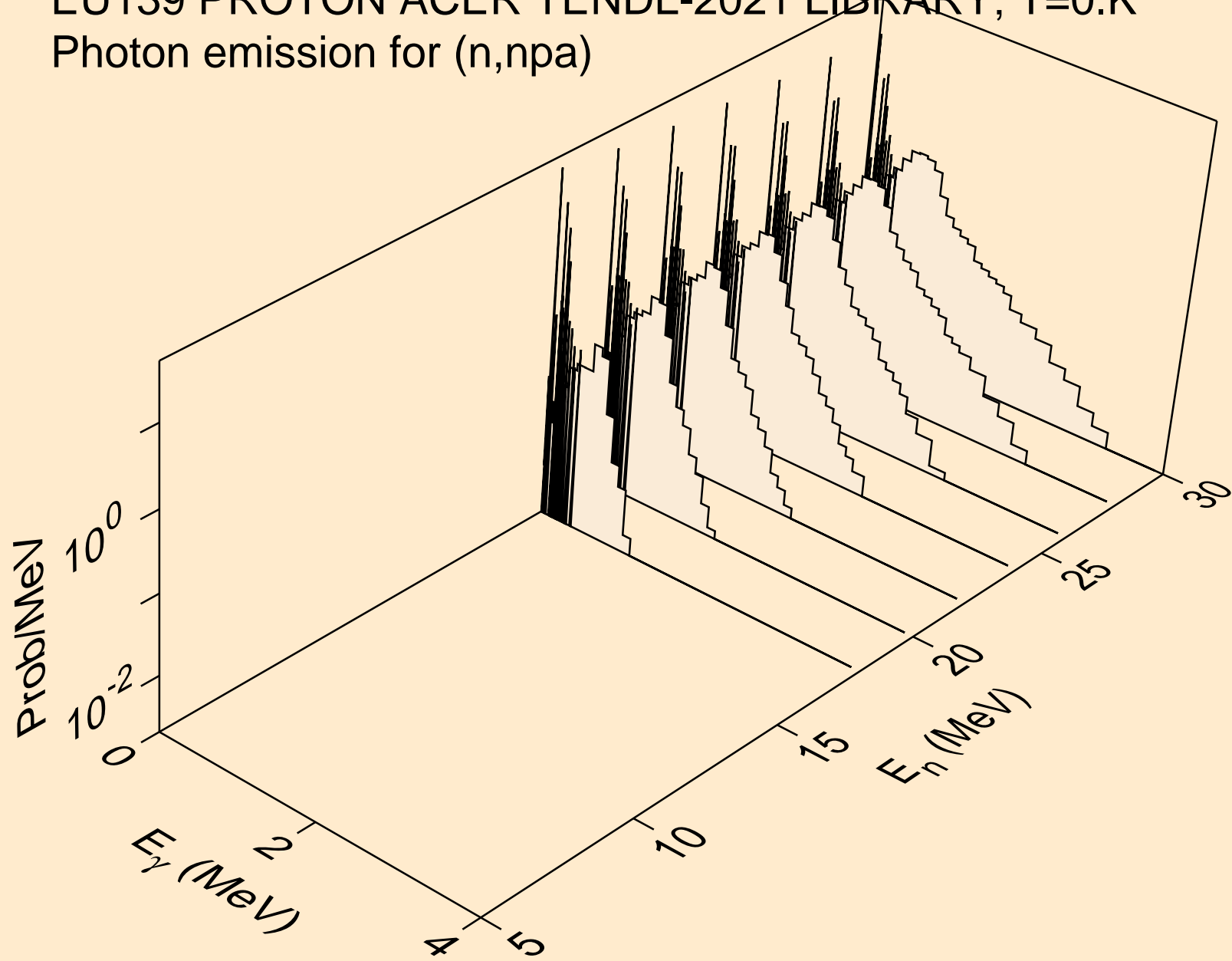
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Photon emission for (n,2np)



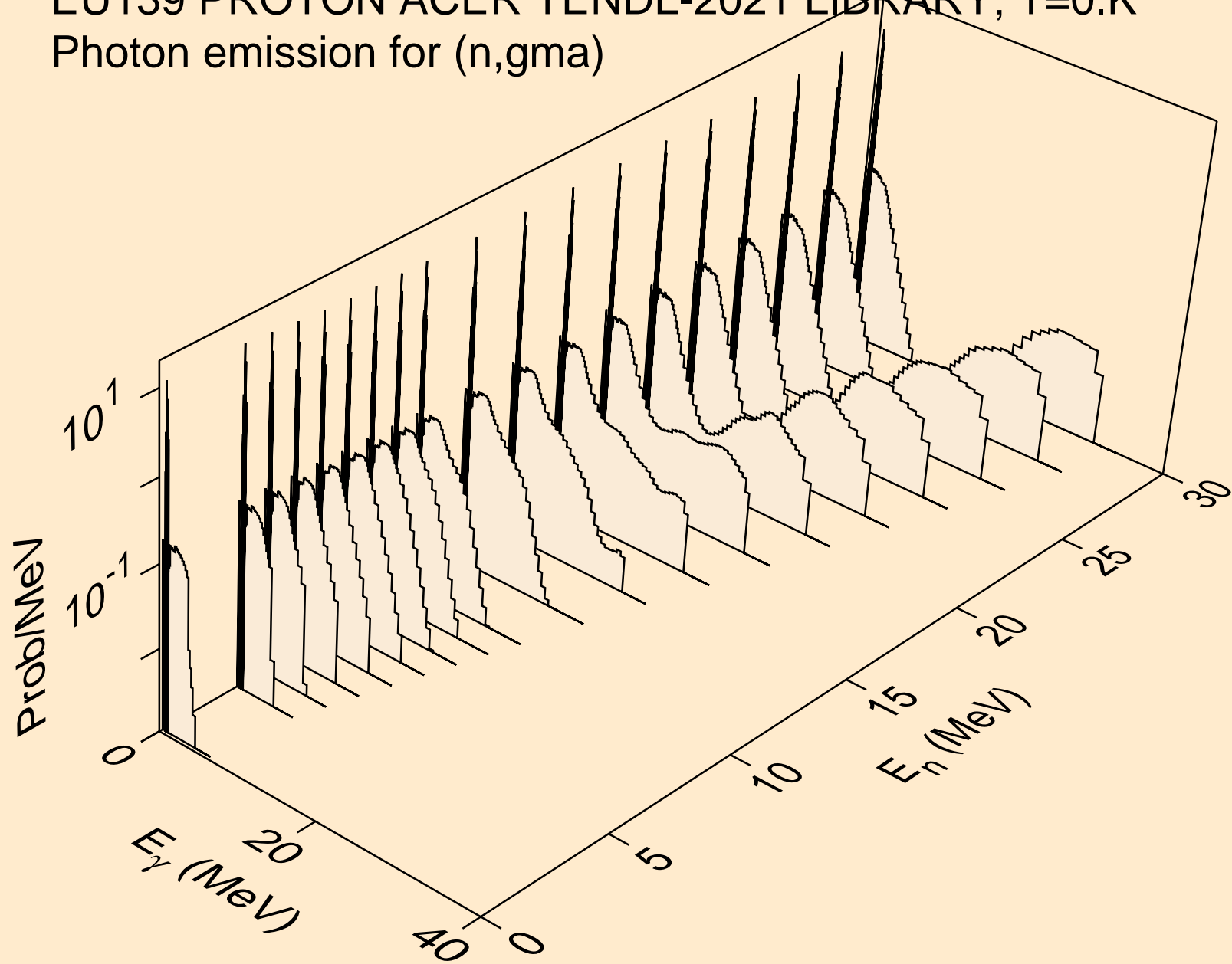
EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,npa)

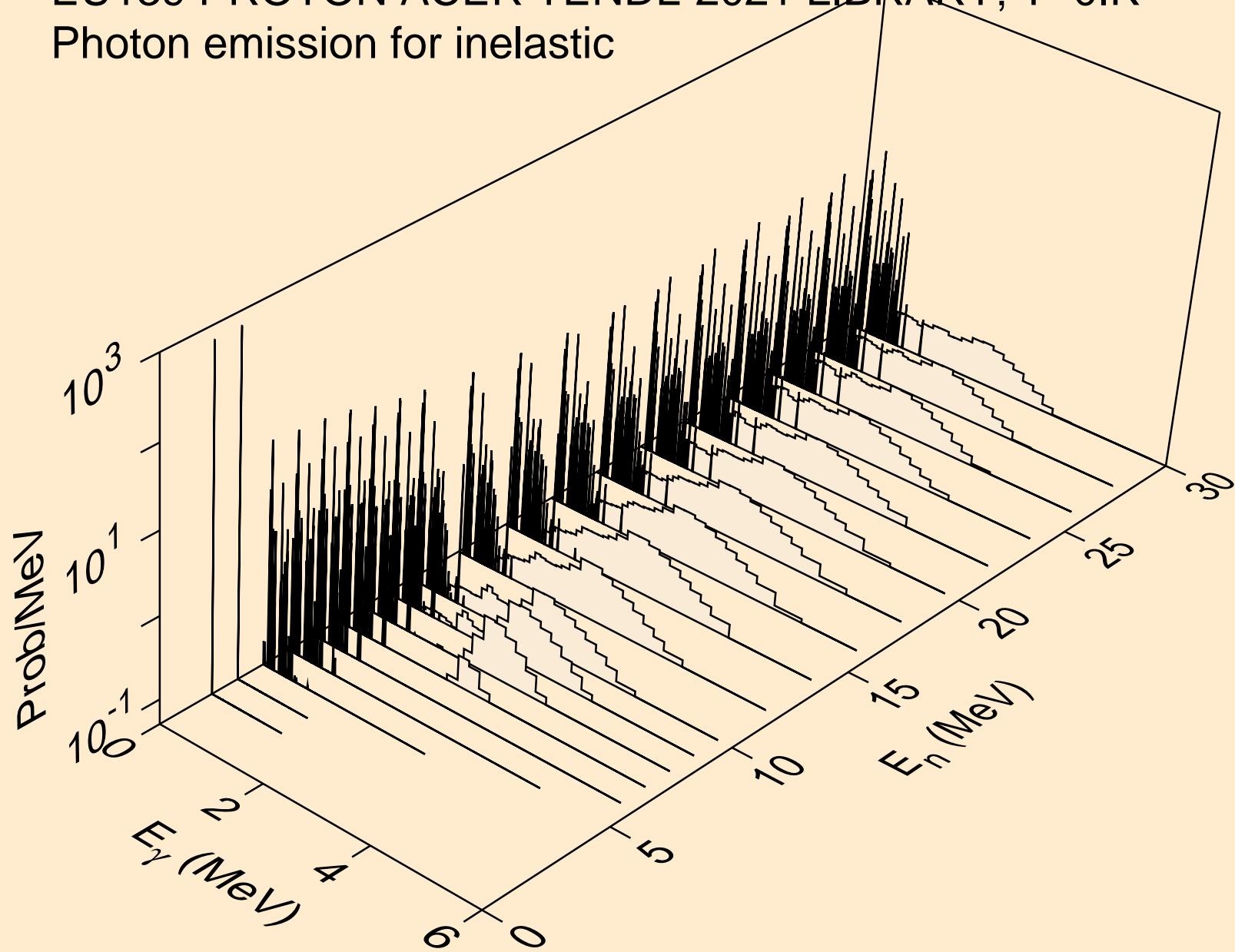


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Photon emission for (n,gma)

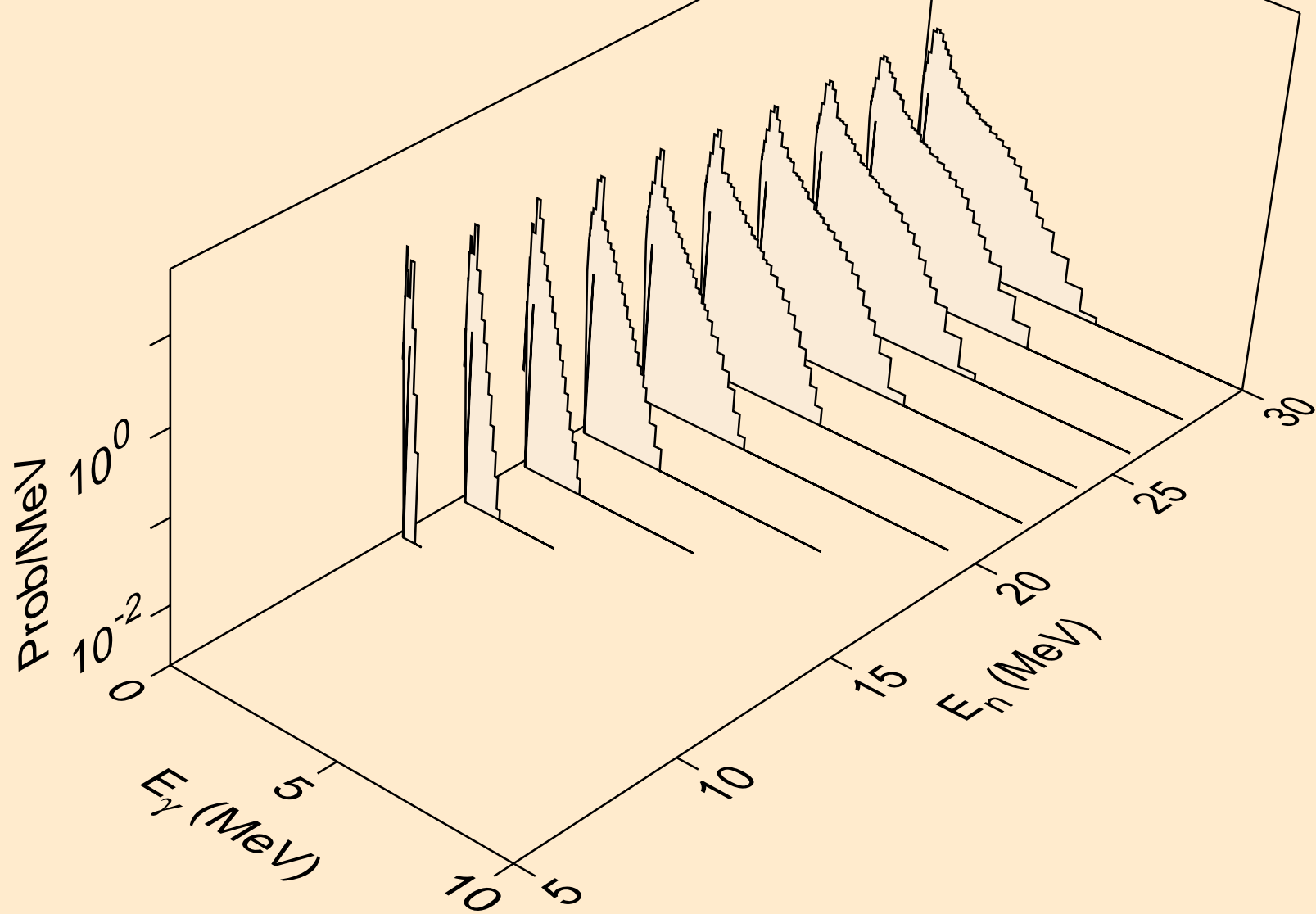




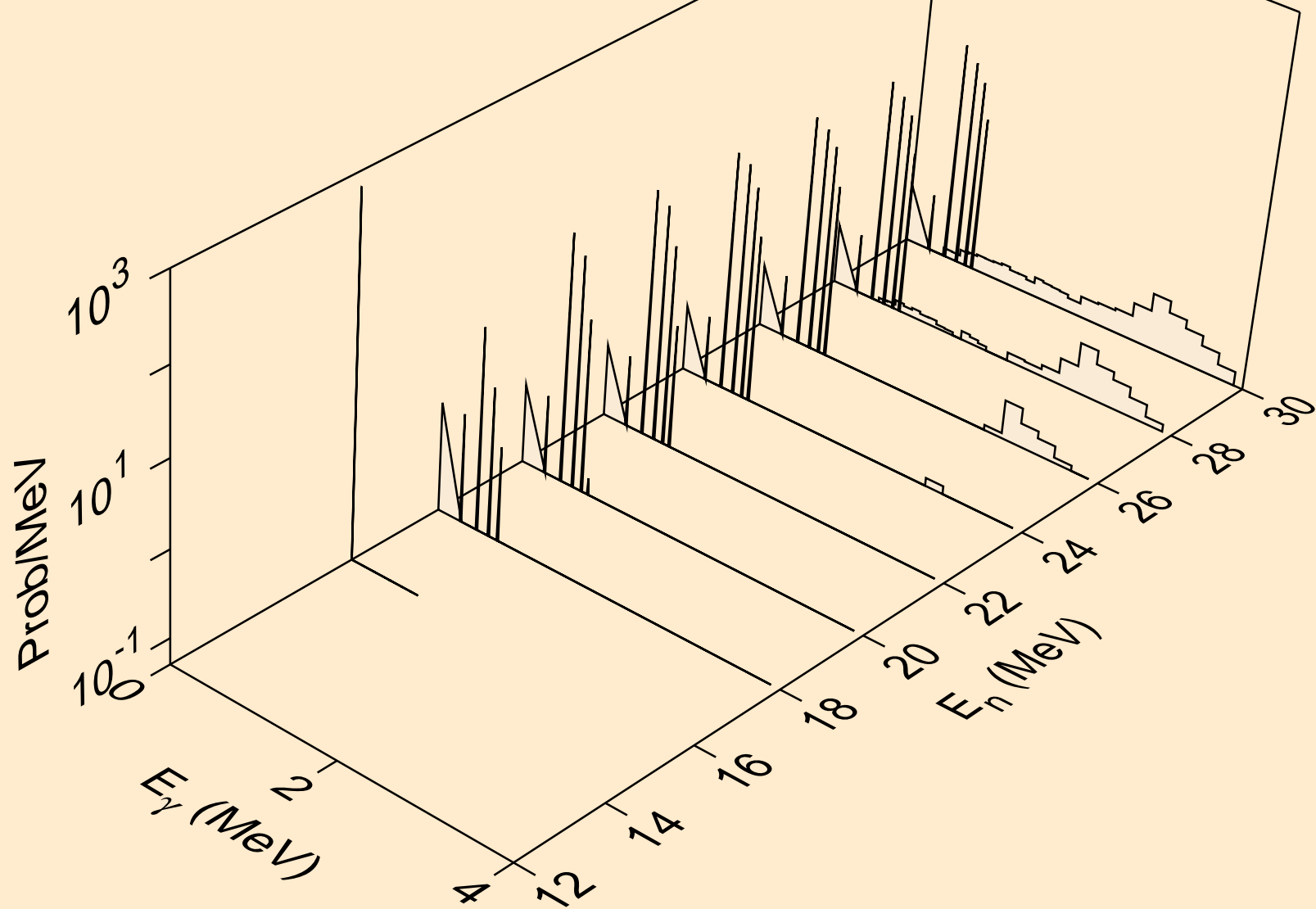
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Photon emission for inelastic



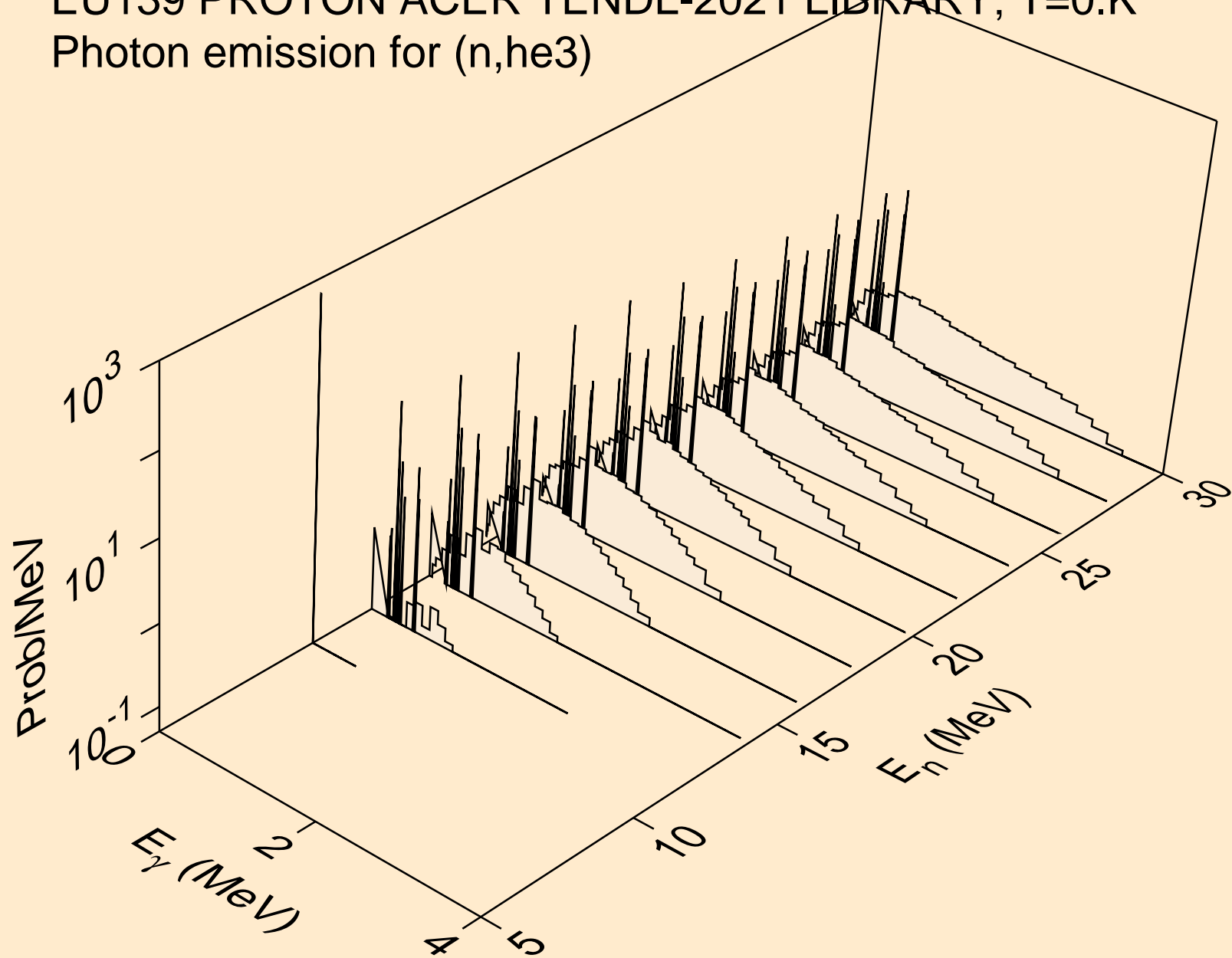
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Photon emission for (n,d)



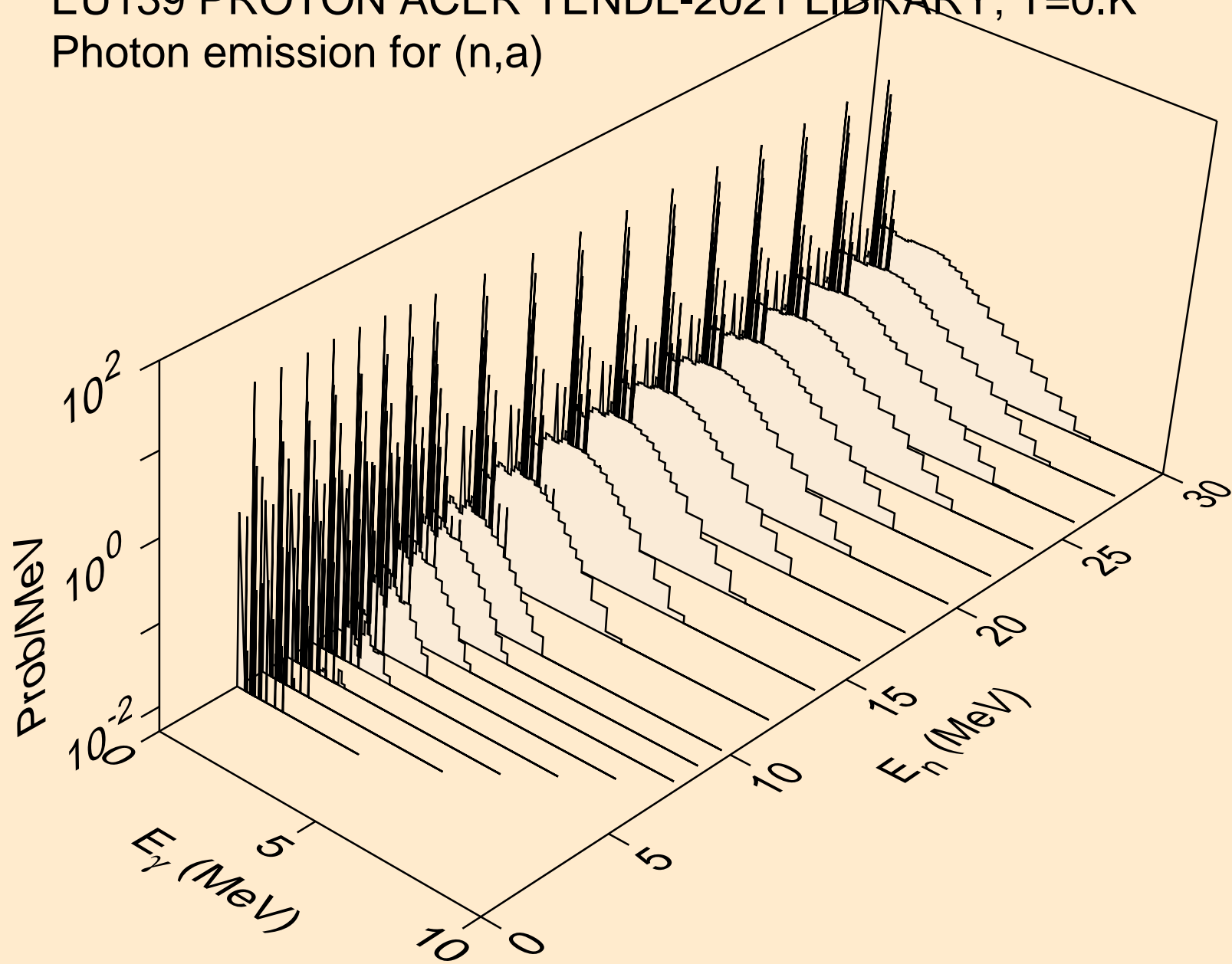
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Photon emission for (n,t)



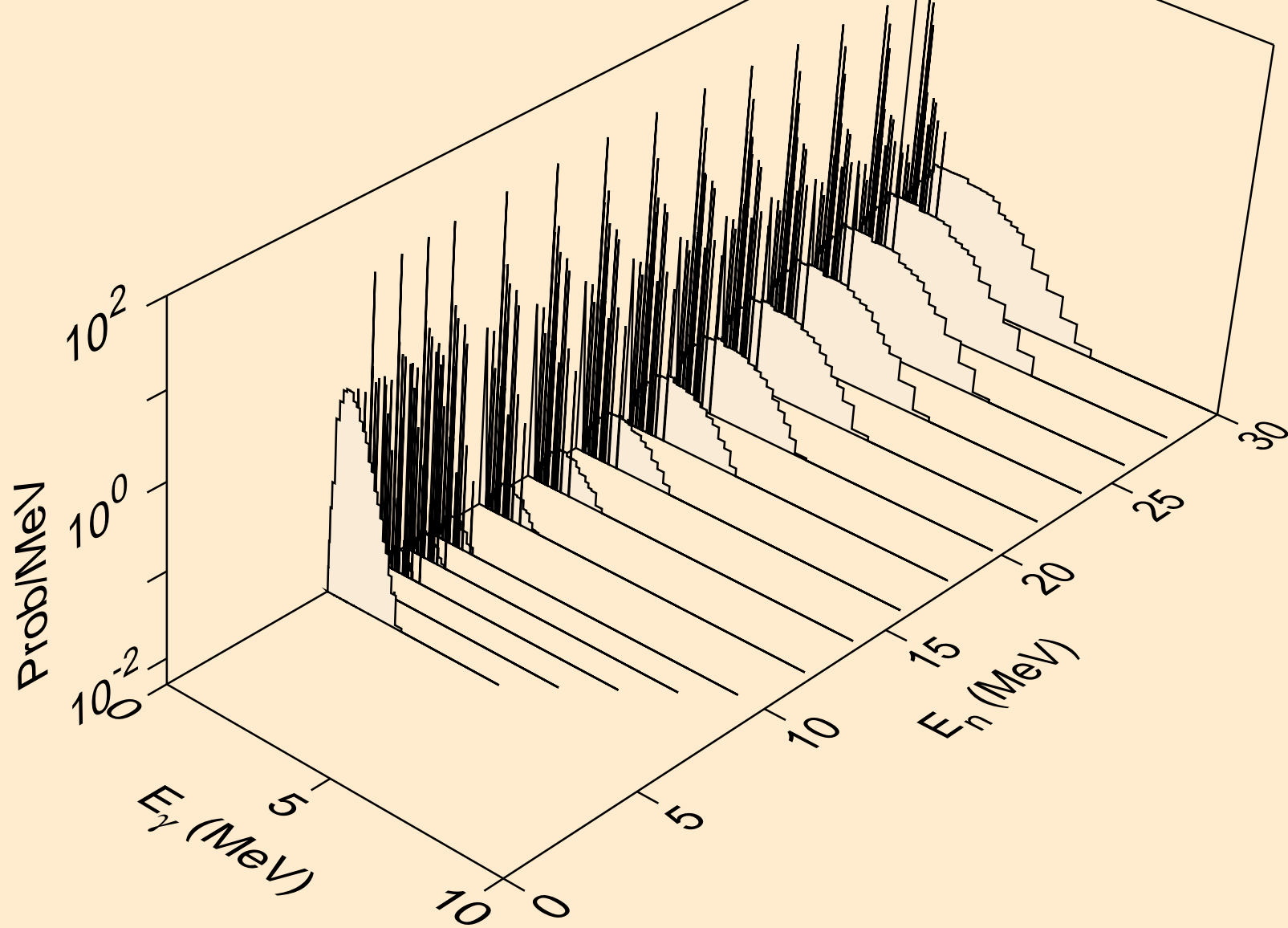
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Photon emission for (n,he3)



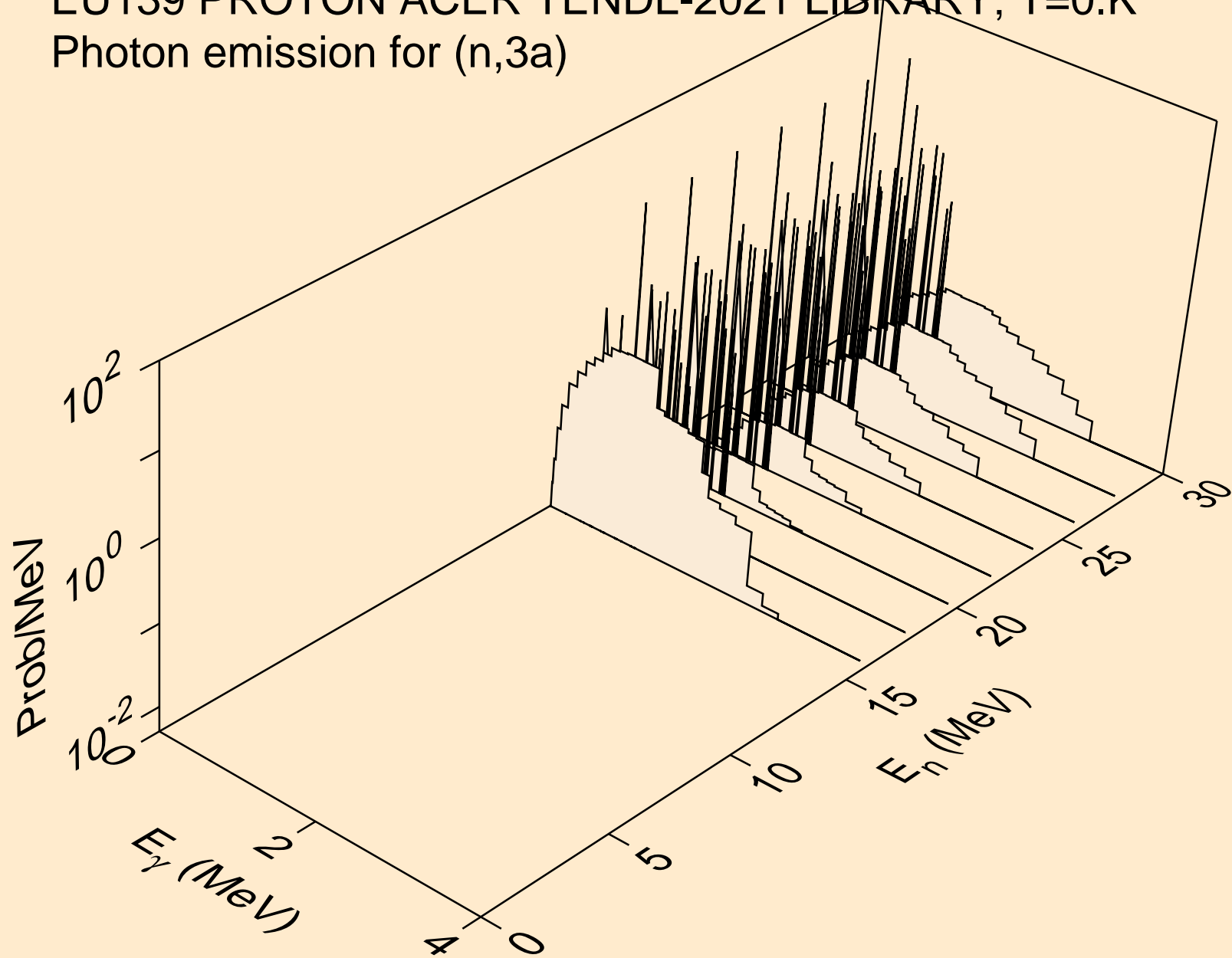
EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,a)



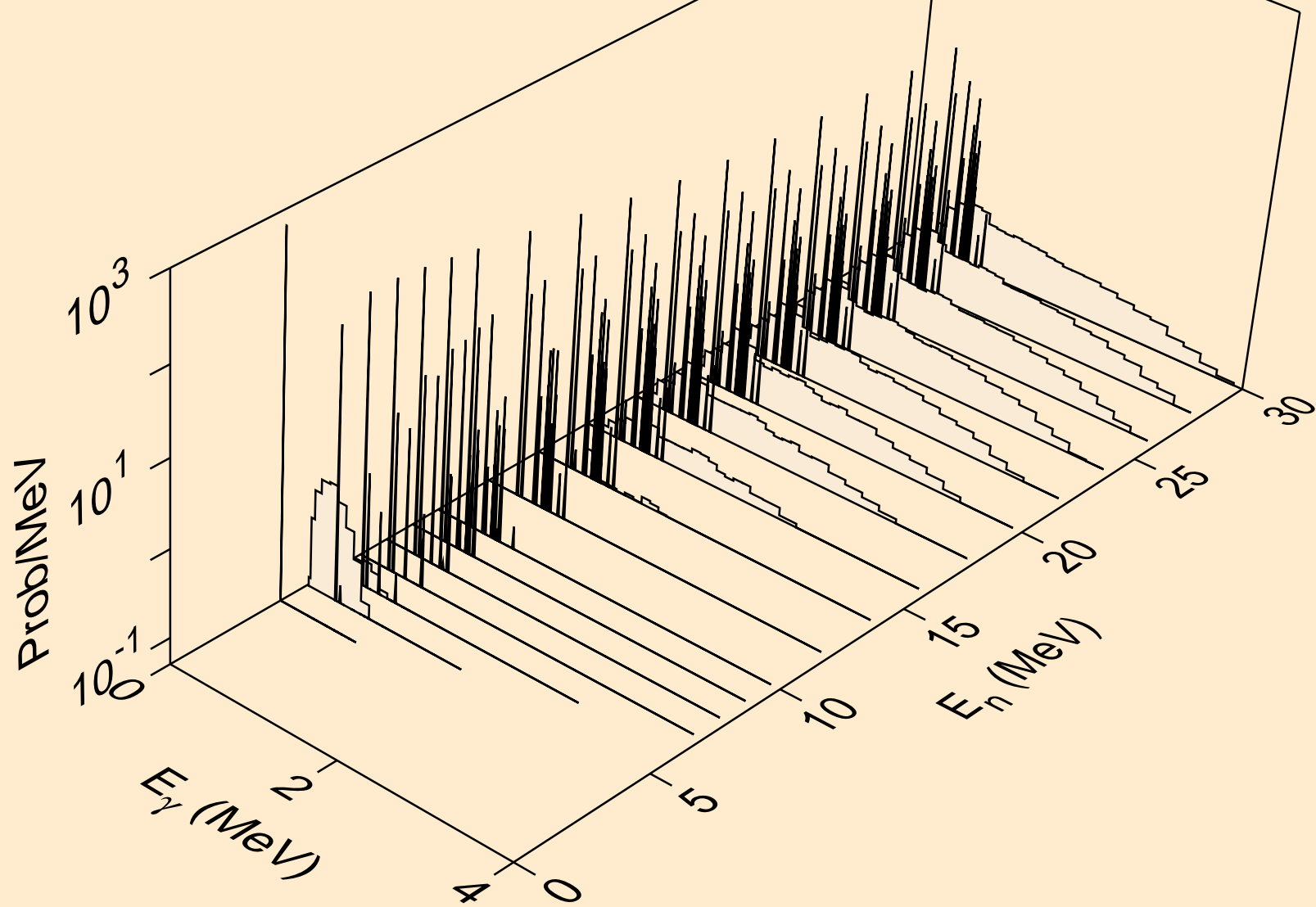
EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2a)



EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3a)

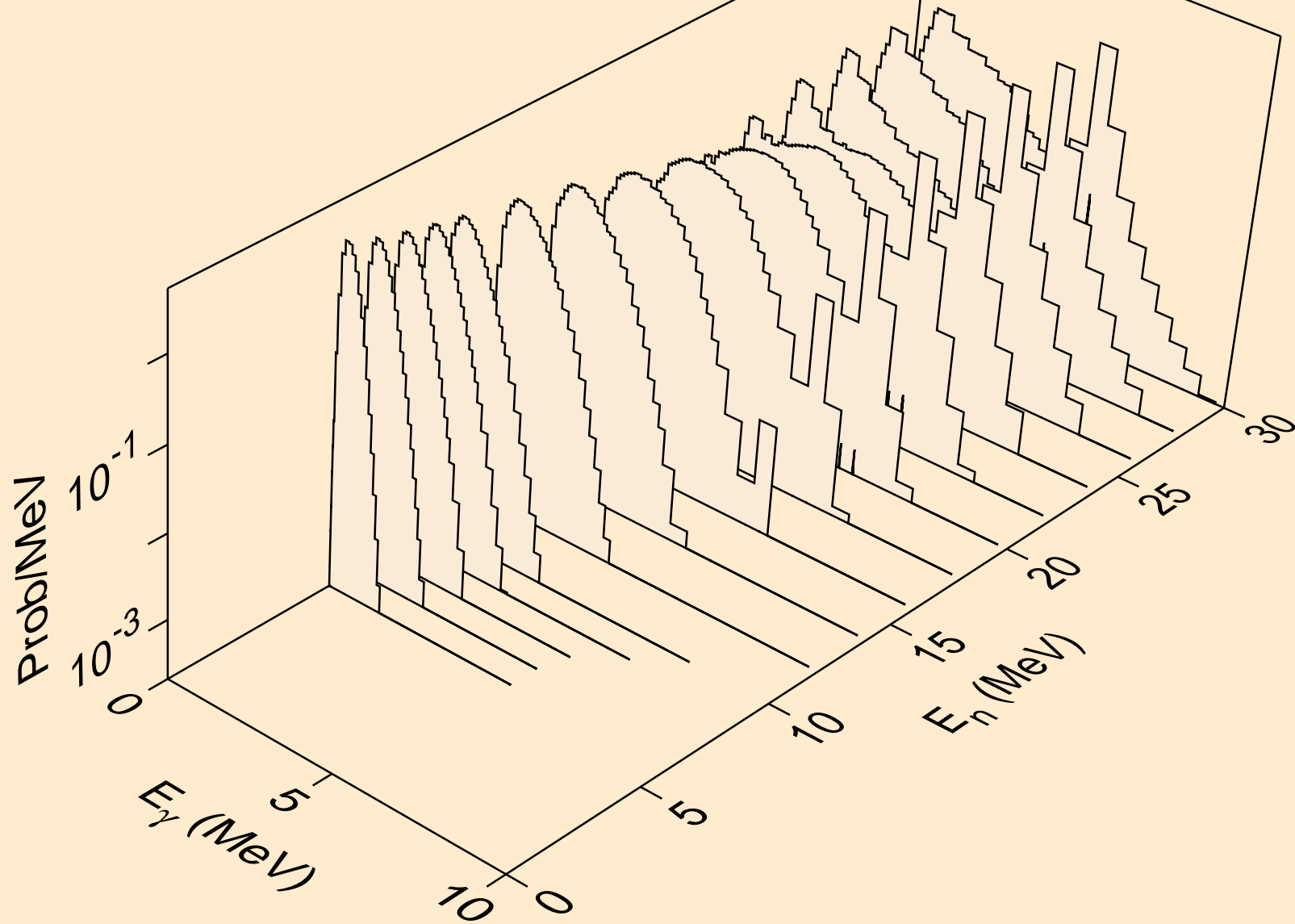


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Photon emission for (n,2p)

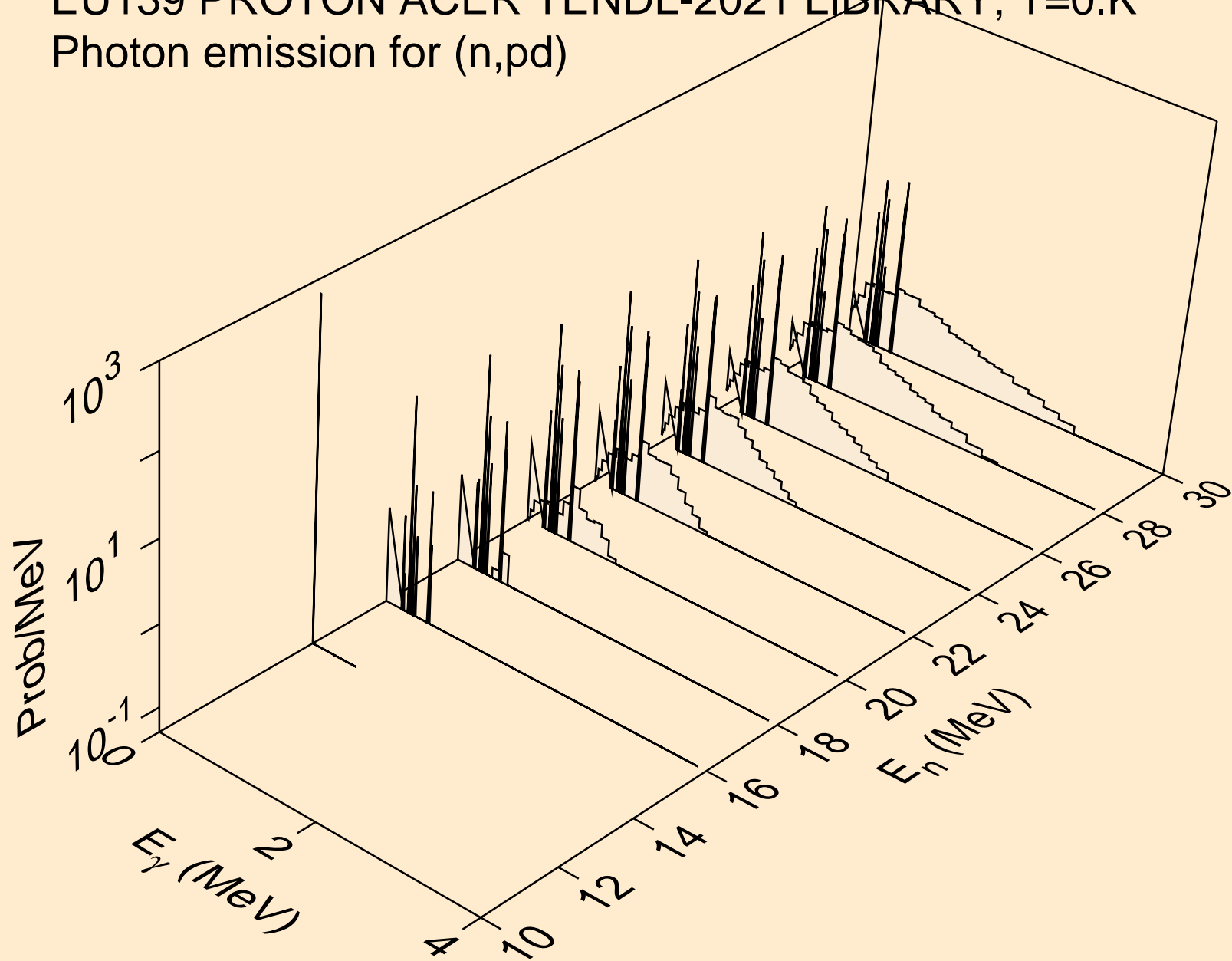




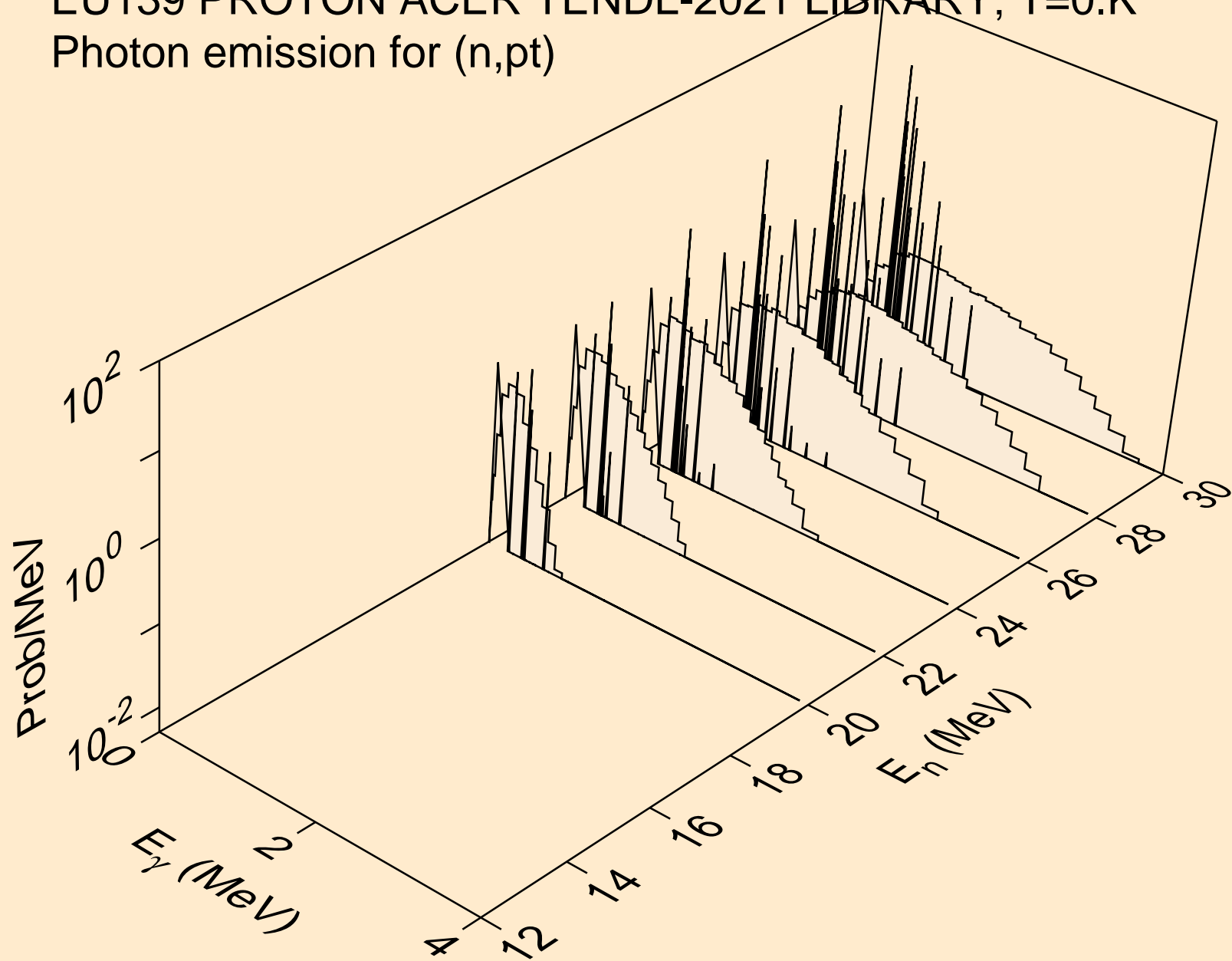
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Photon emission for (n,p)



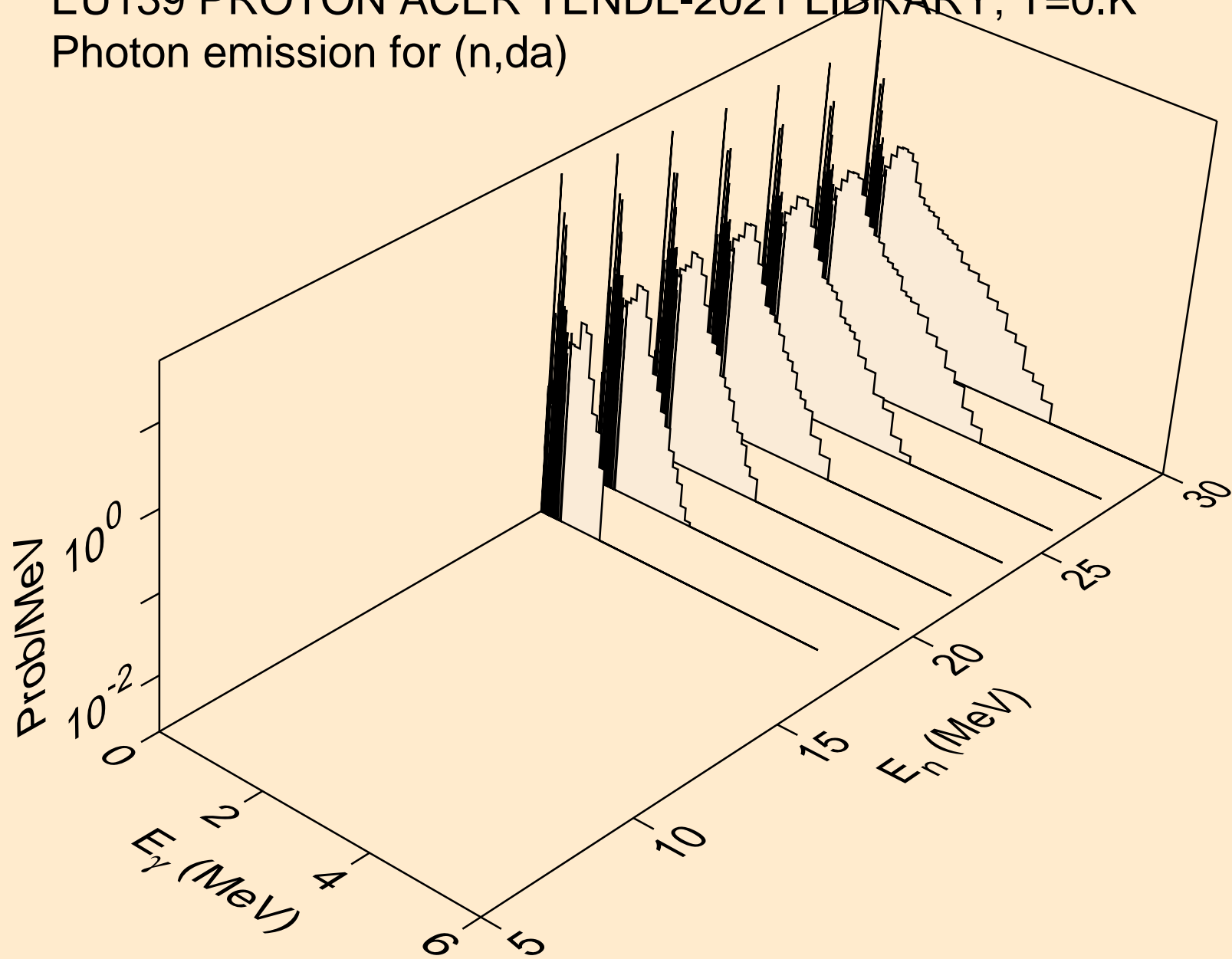
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Photon emission for (n,pd)



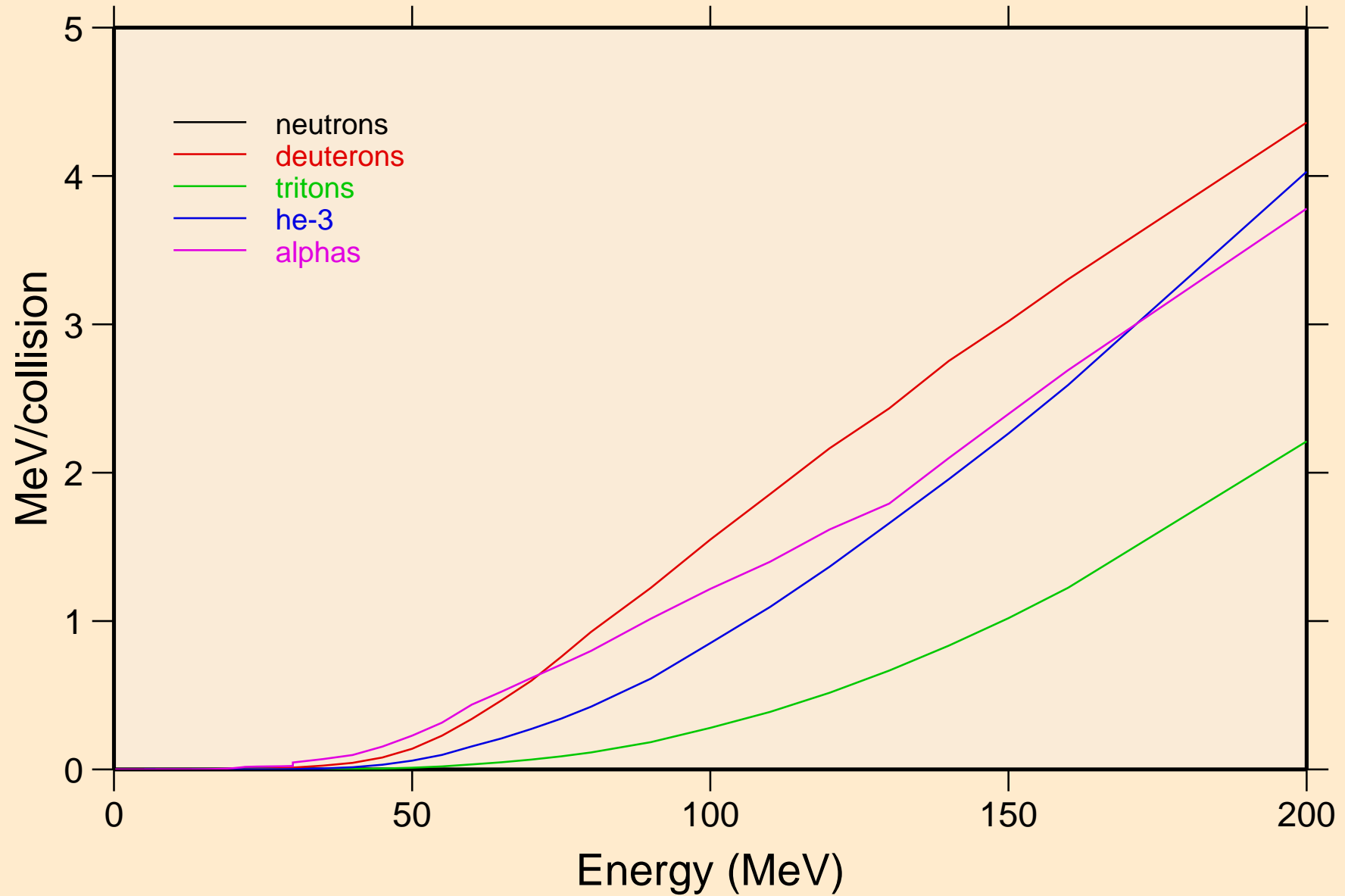
EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pt)



EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,da)

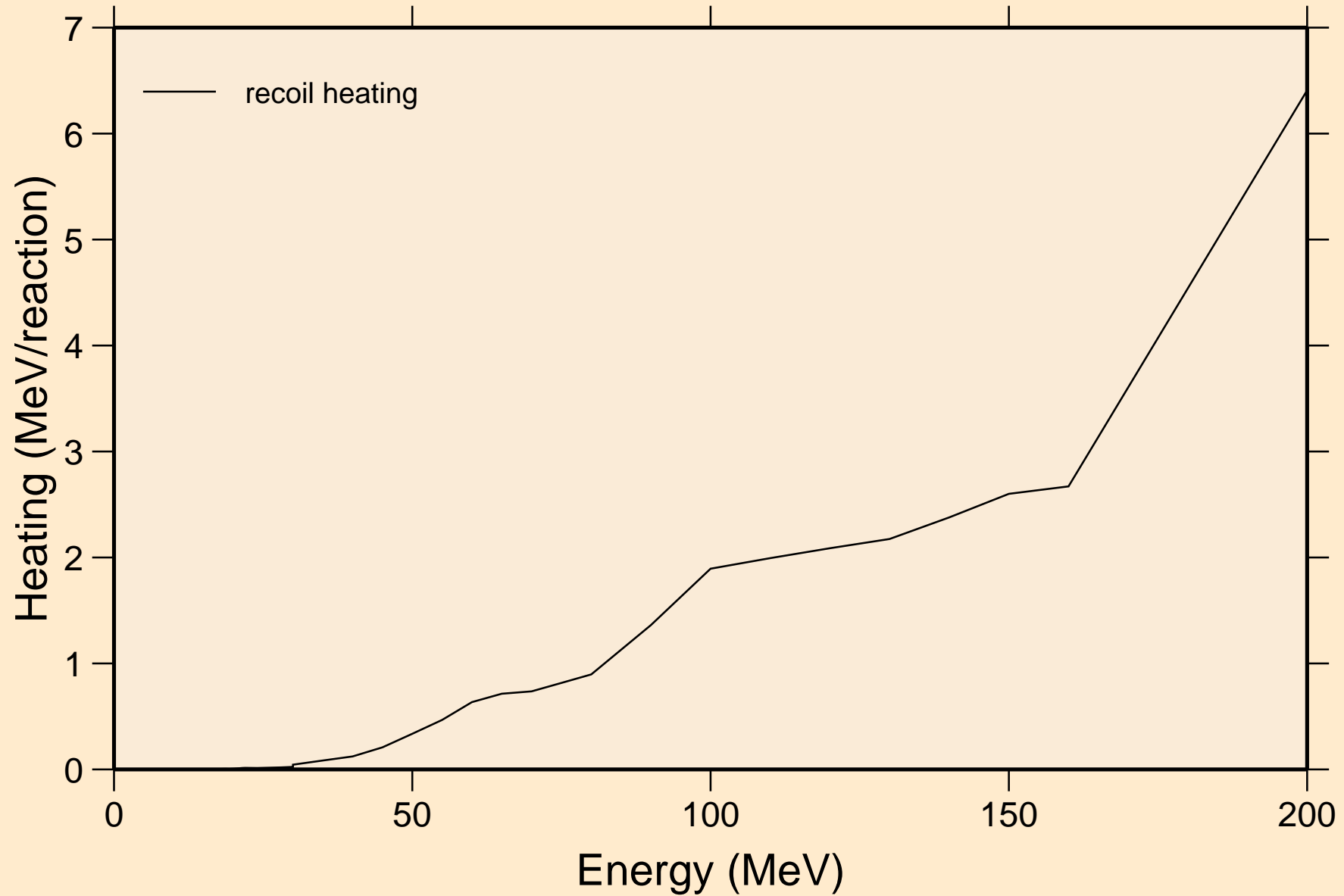


EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Particle heating contributions

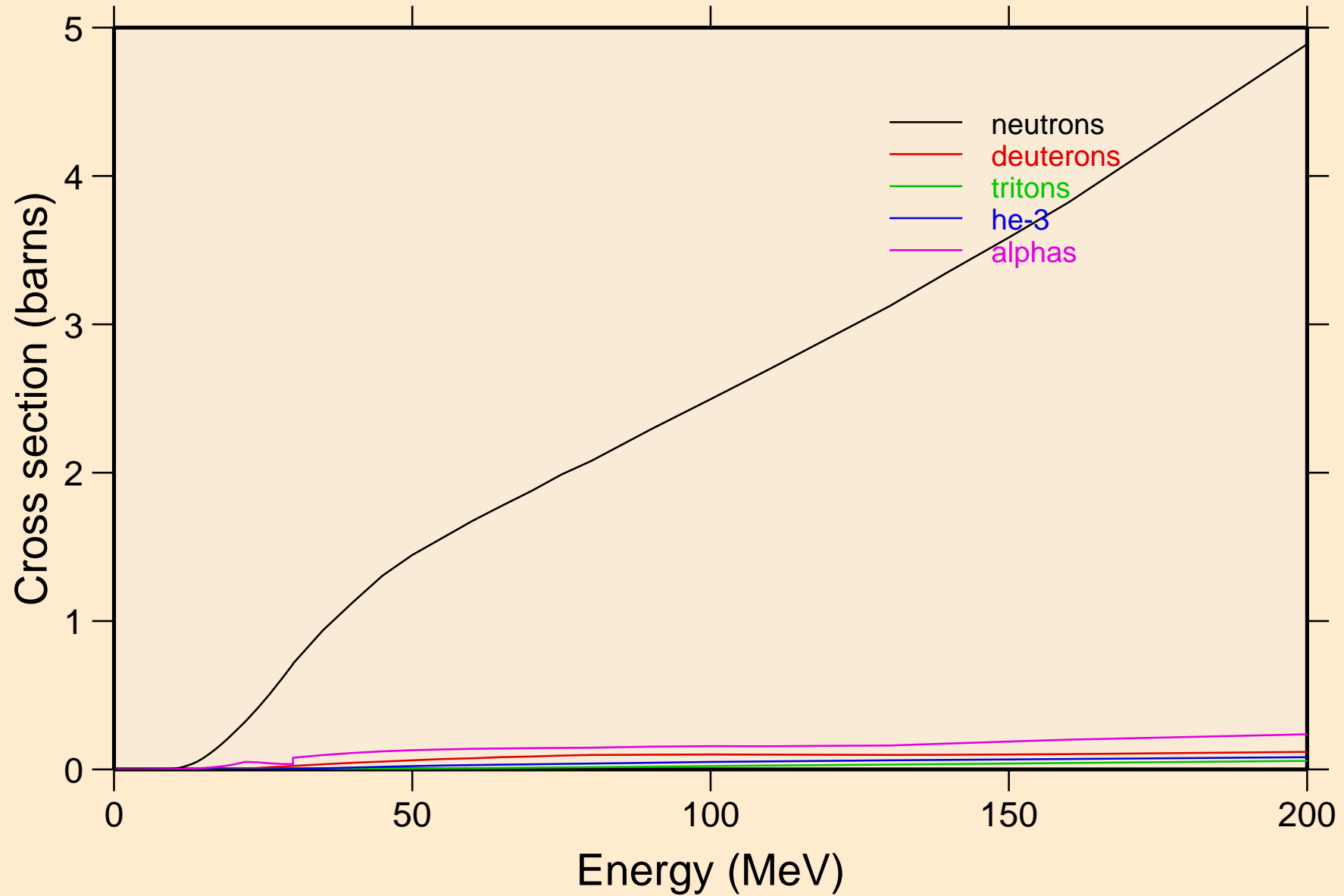


# EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K

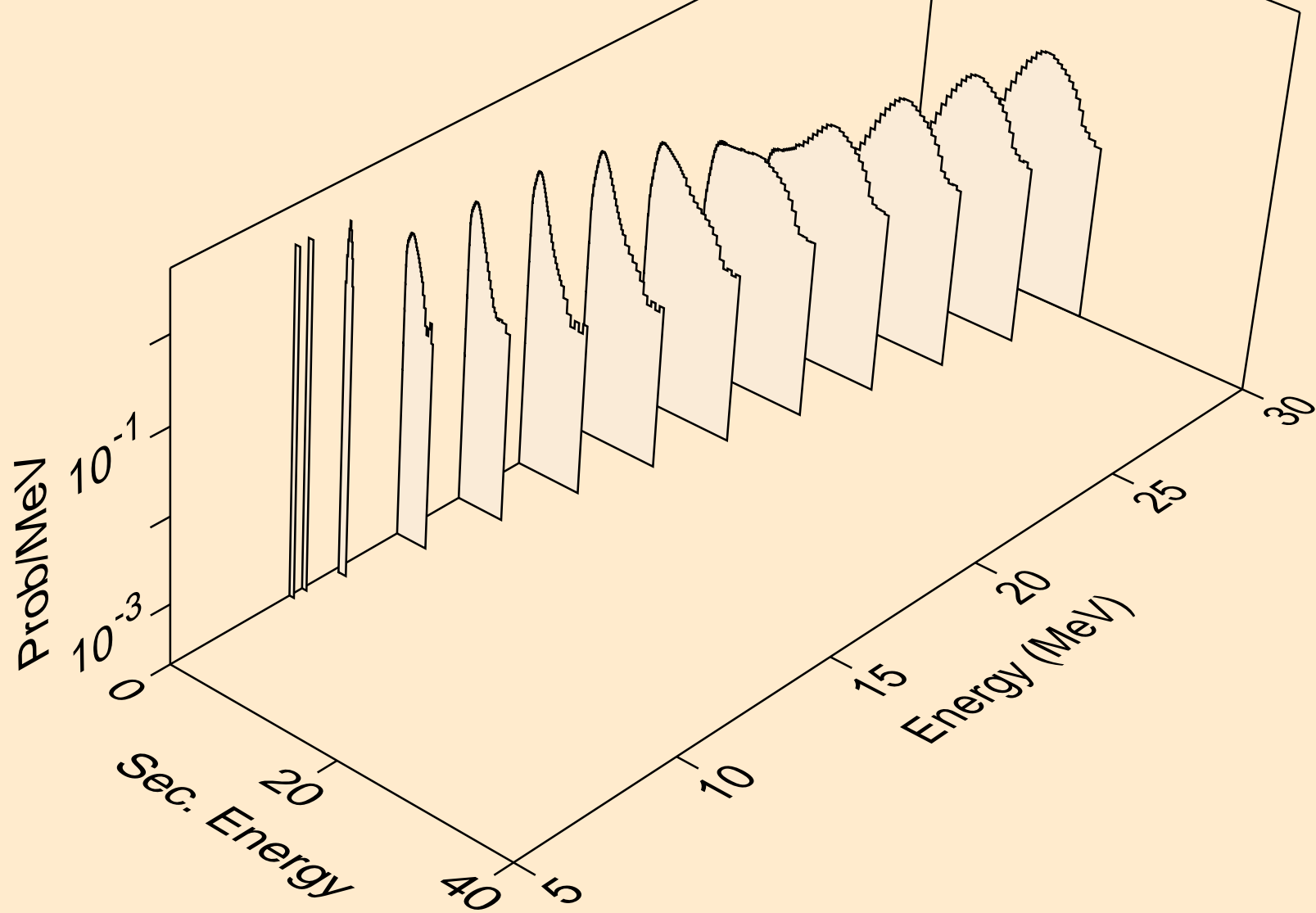
## Recoil Heating



EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Particle production cross sections

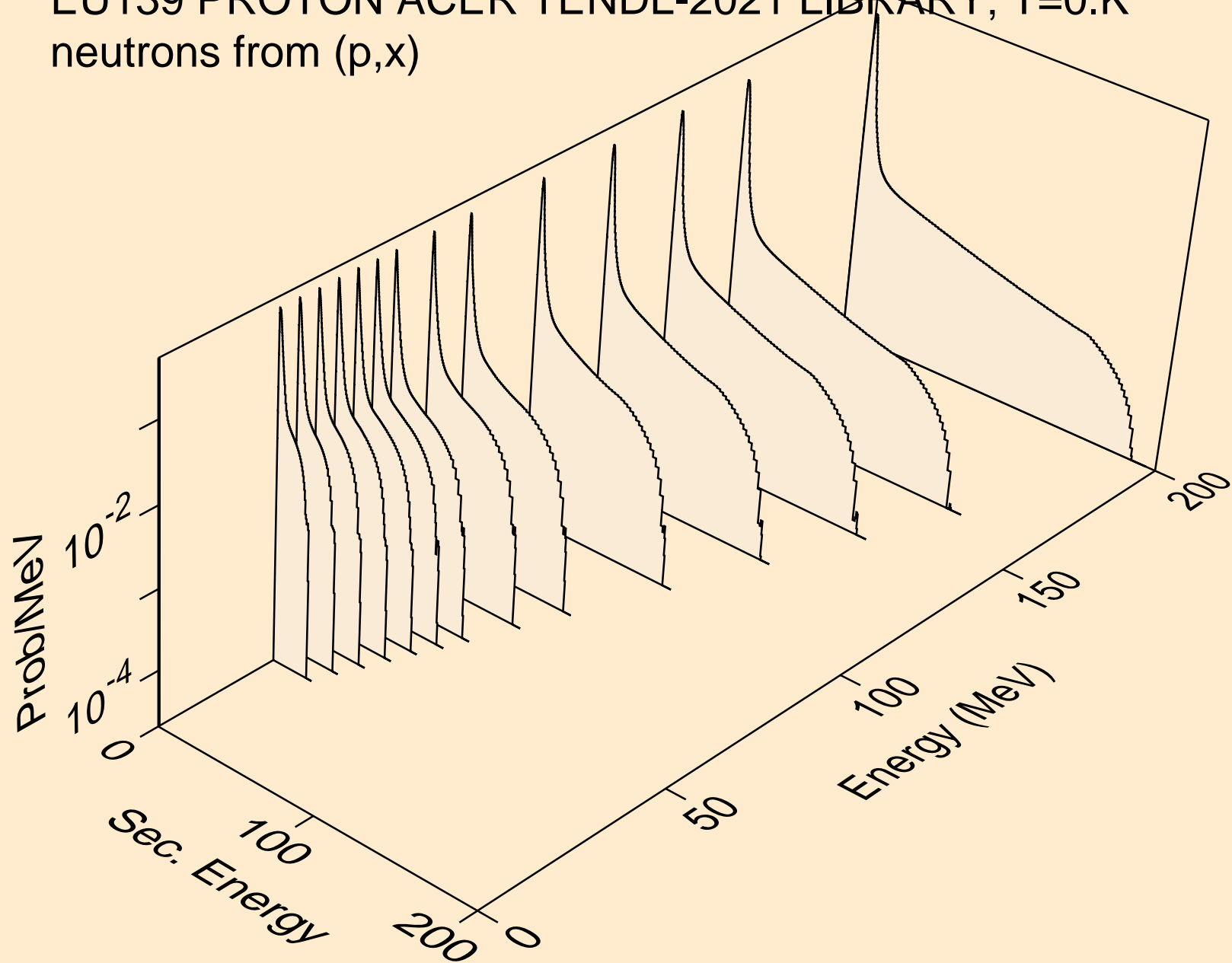


EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n)

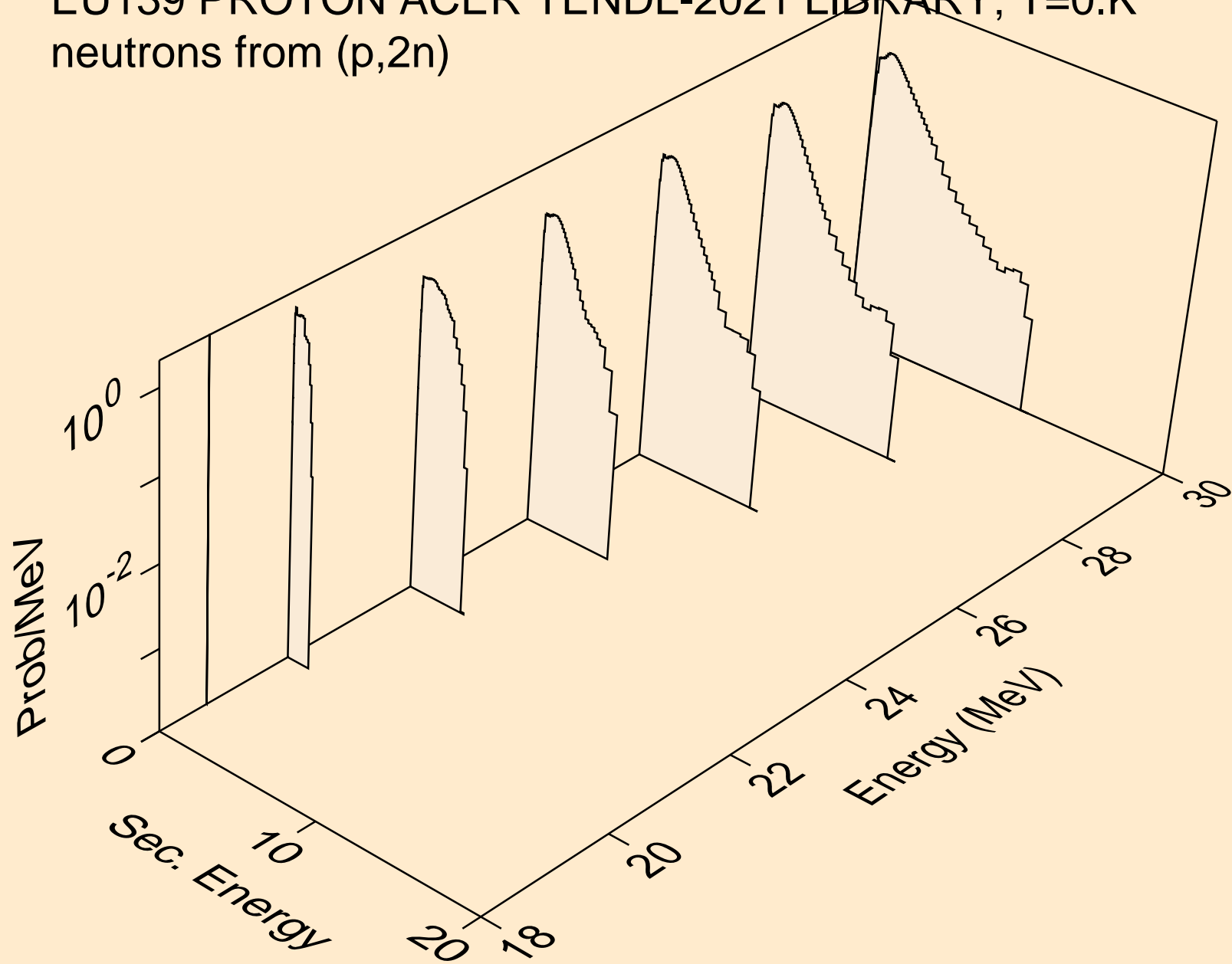




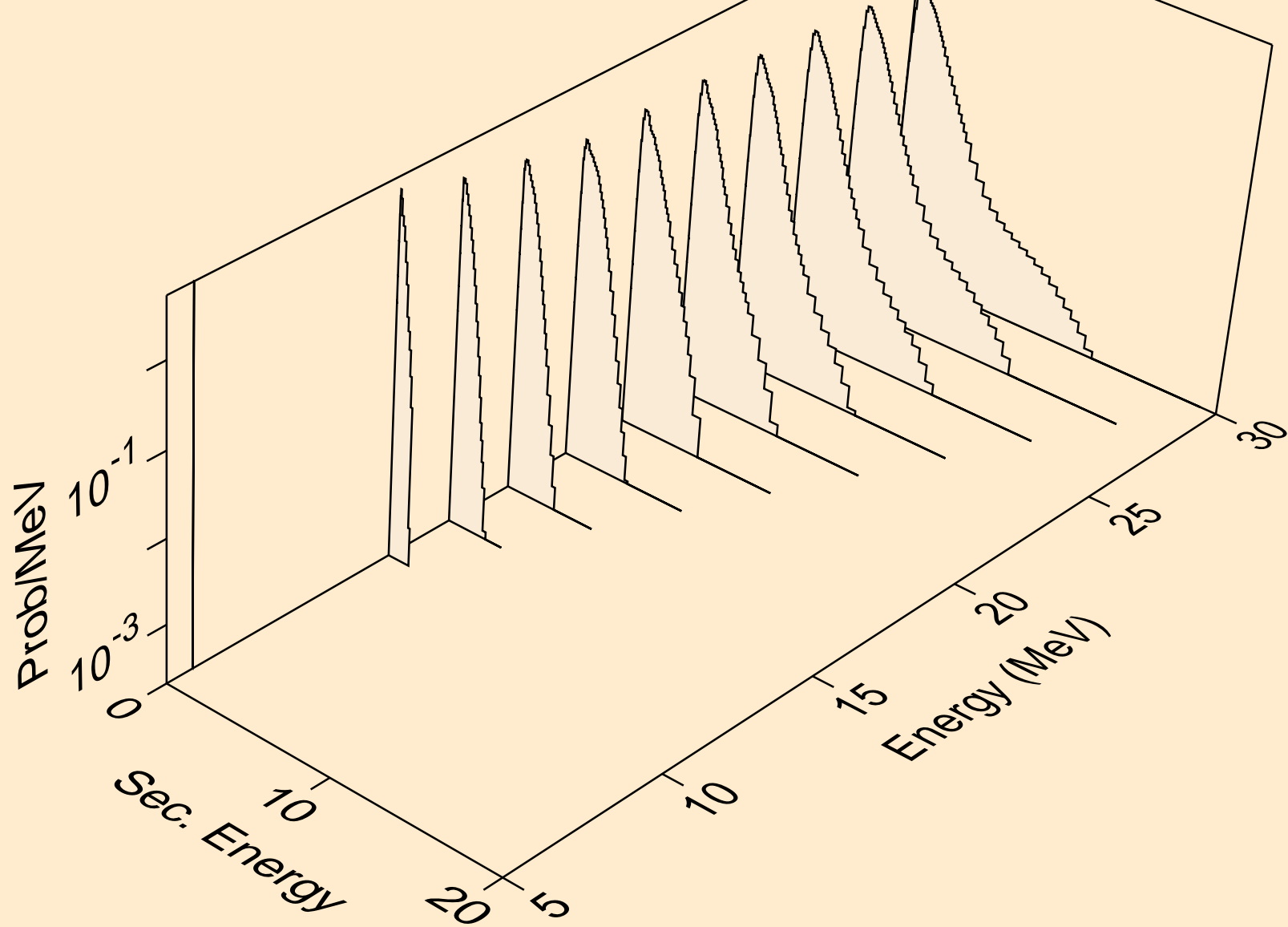
EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,x)



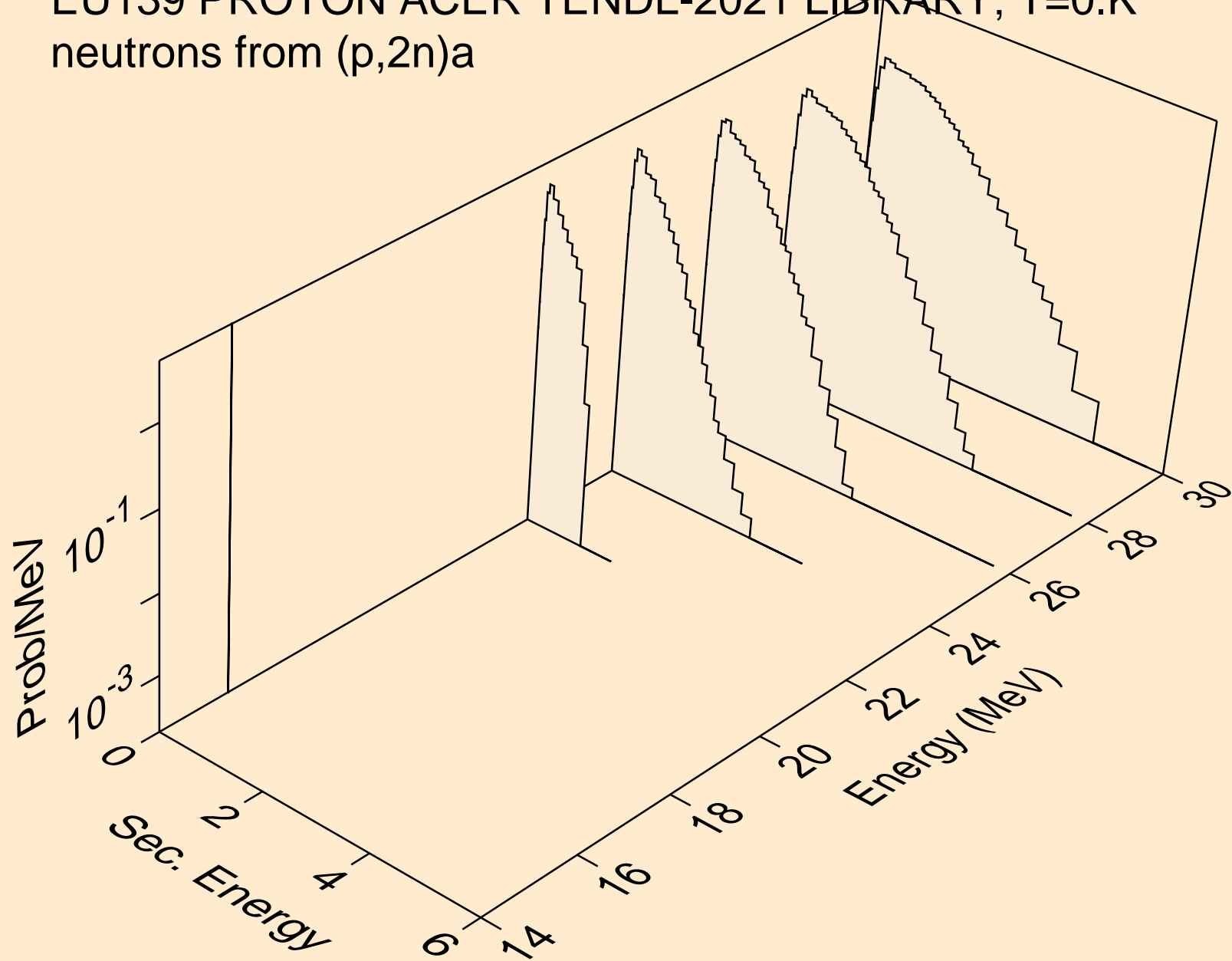
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neutrons from (p,2n)



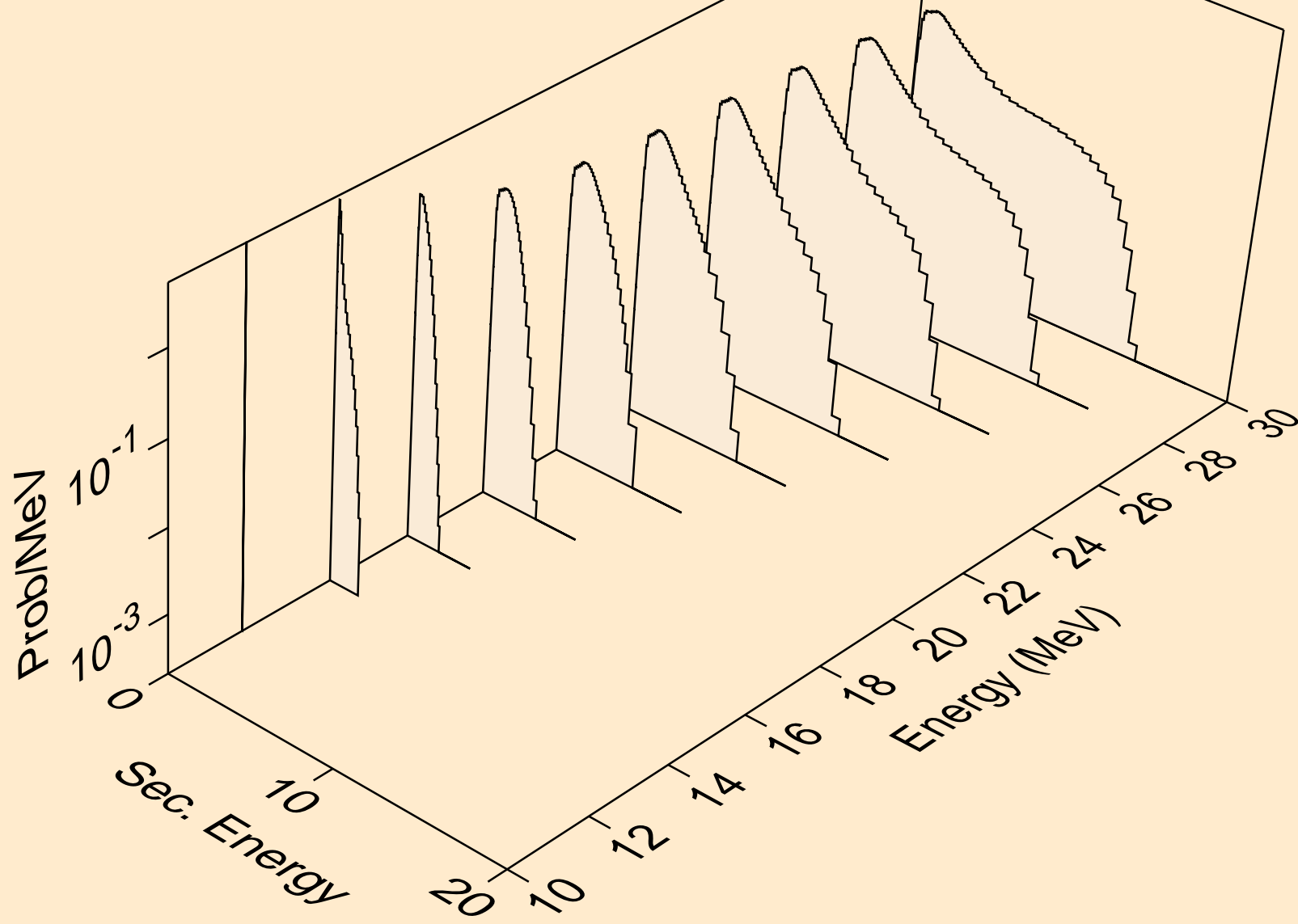
EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)a



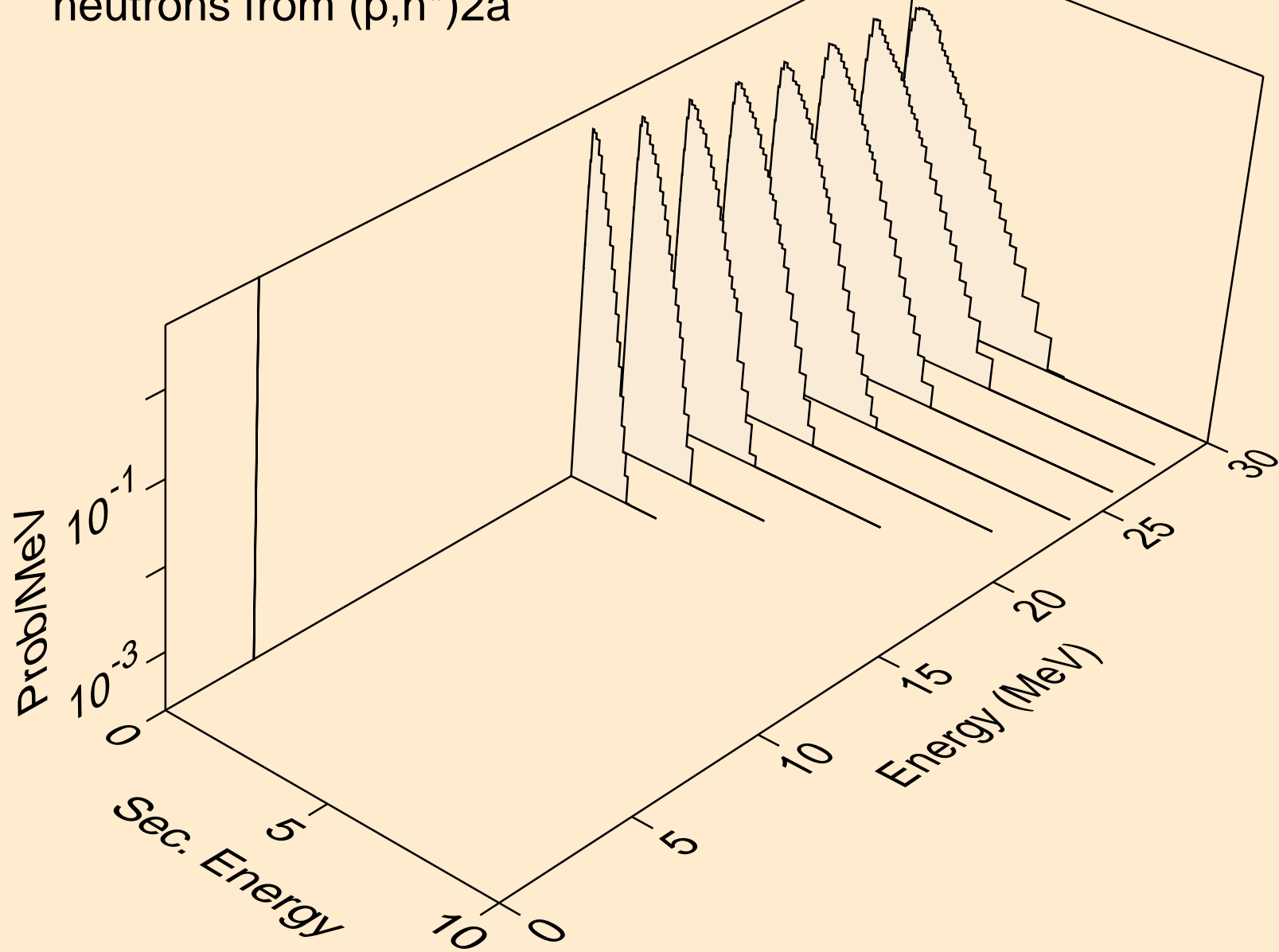
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neutrons from (p,2n)a



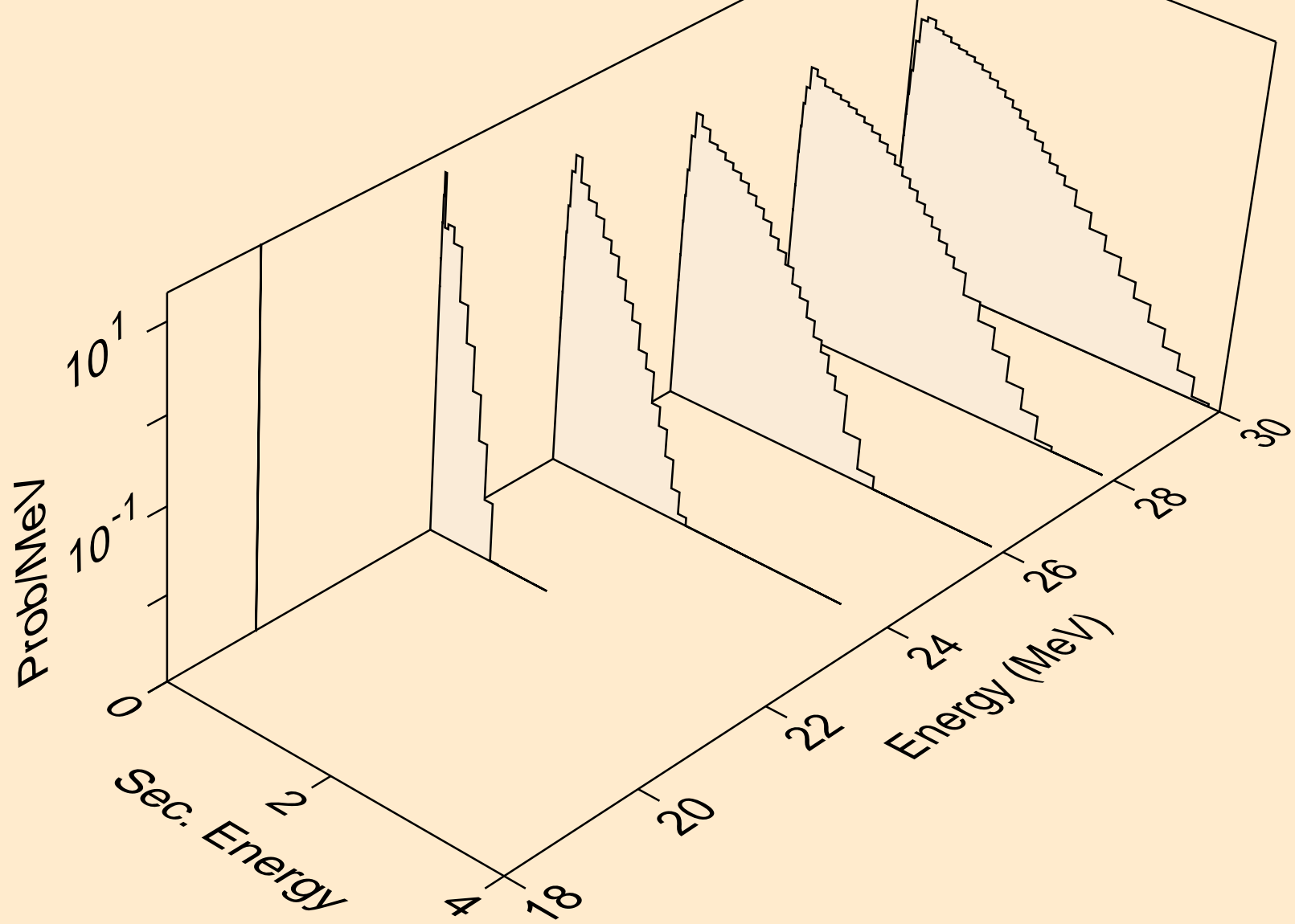
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neutrons from (p,n\*)p



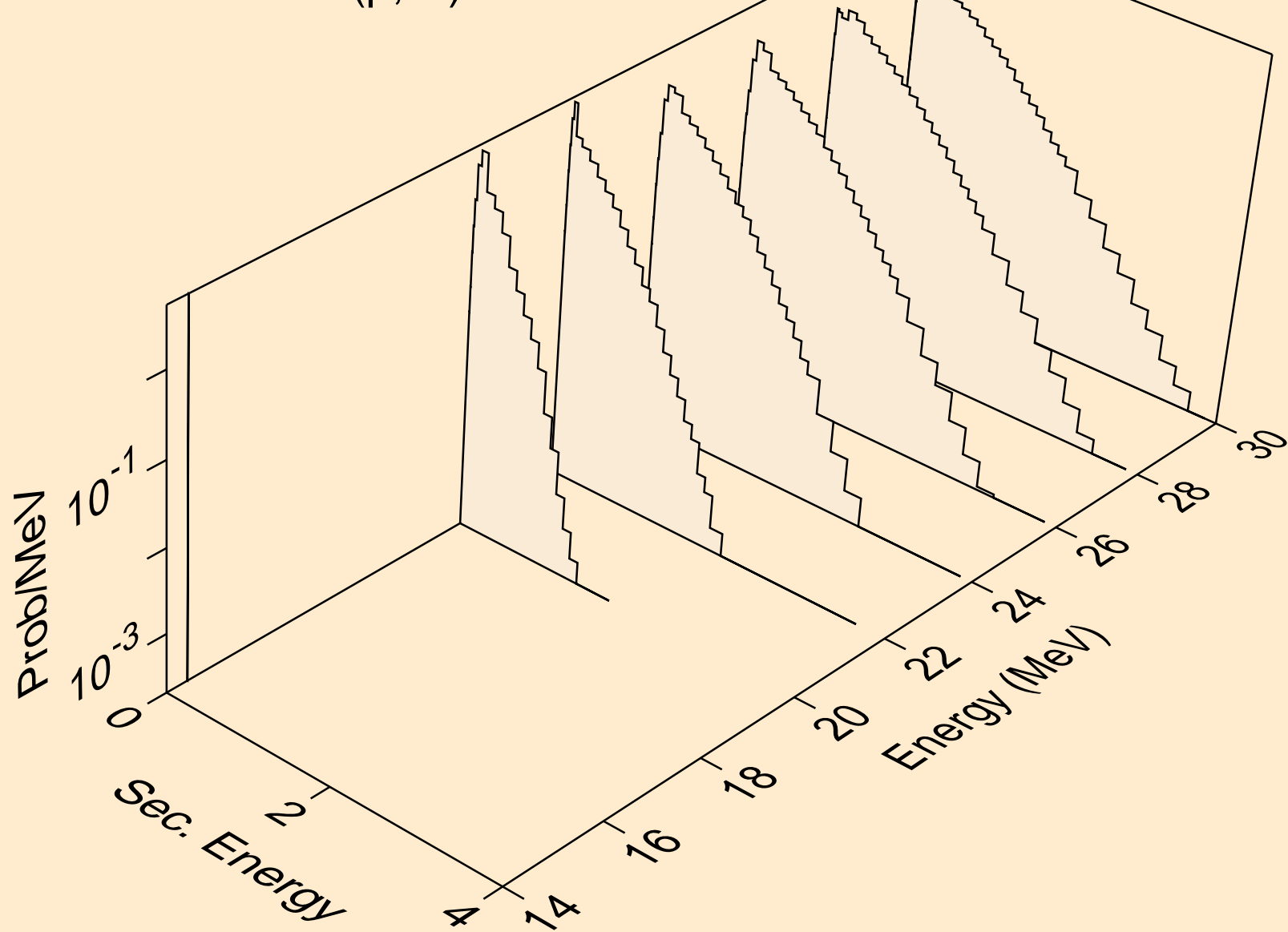
EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)2a



EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)d

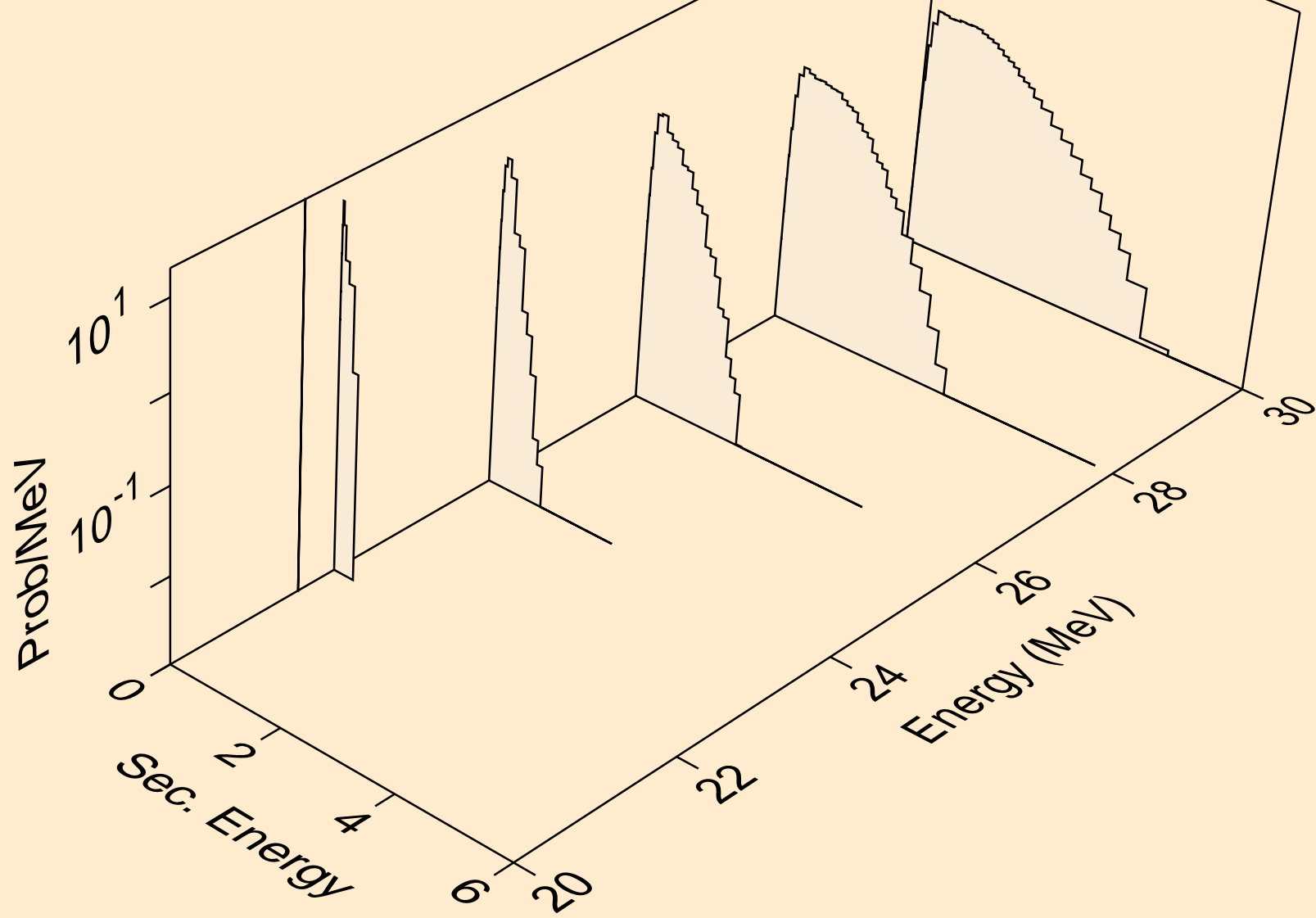


EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)he3

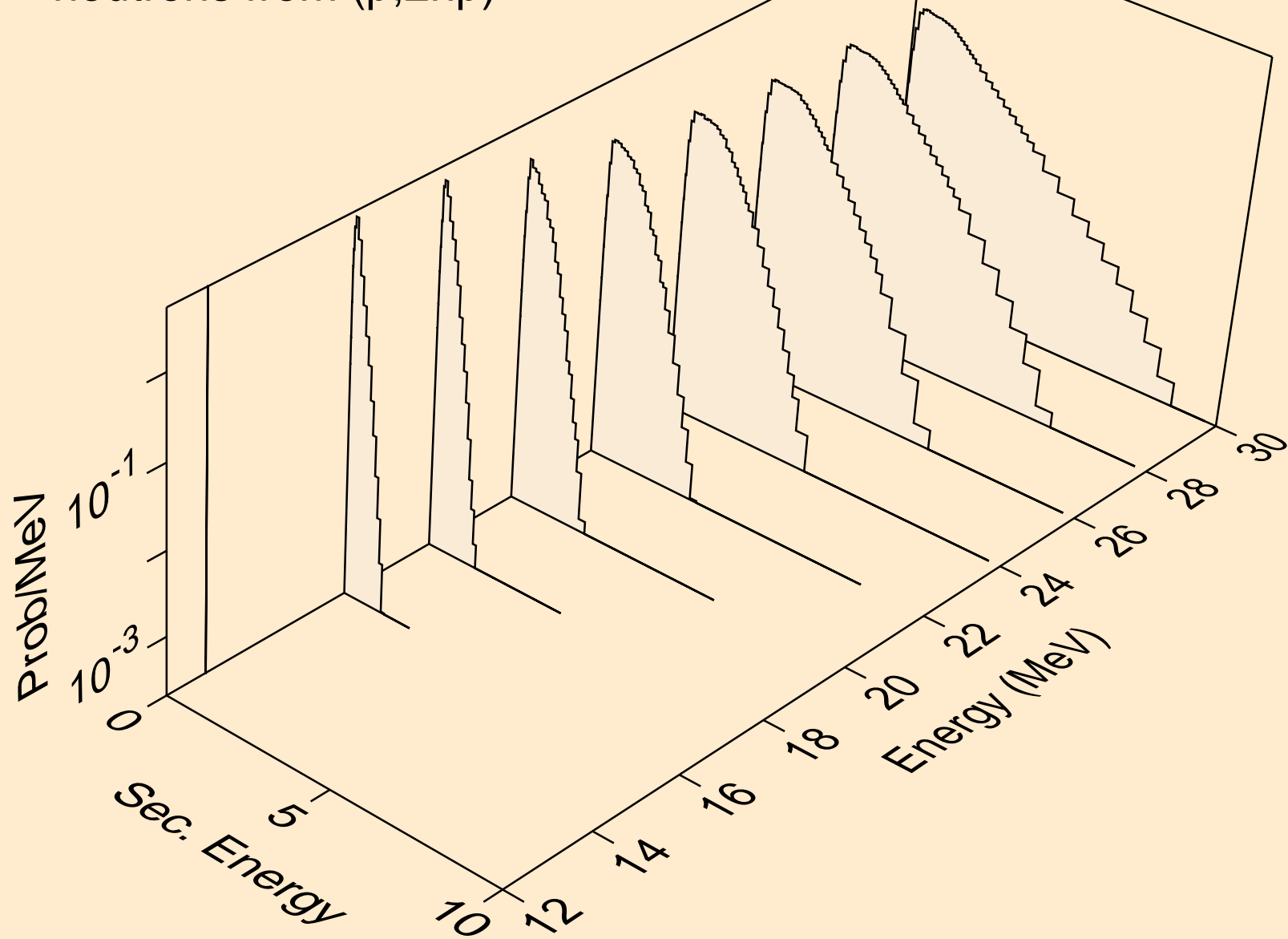




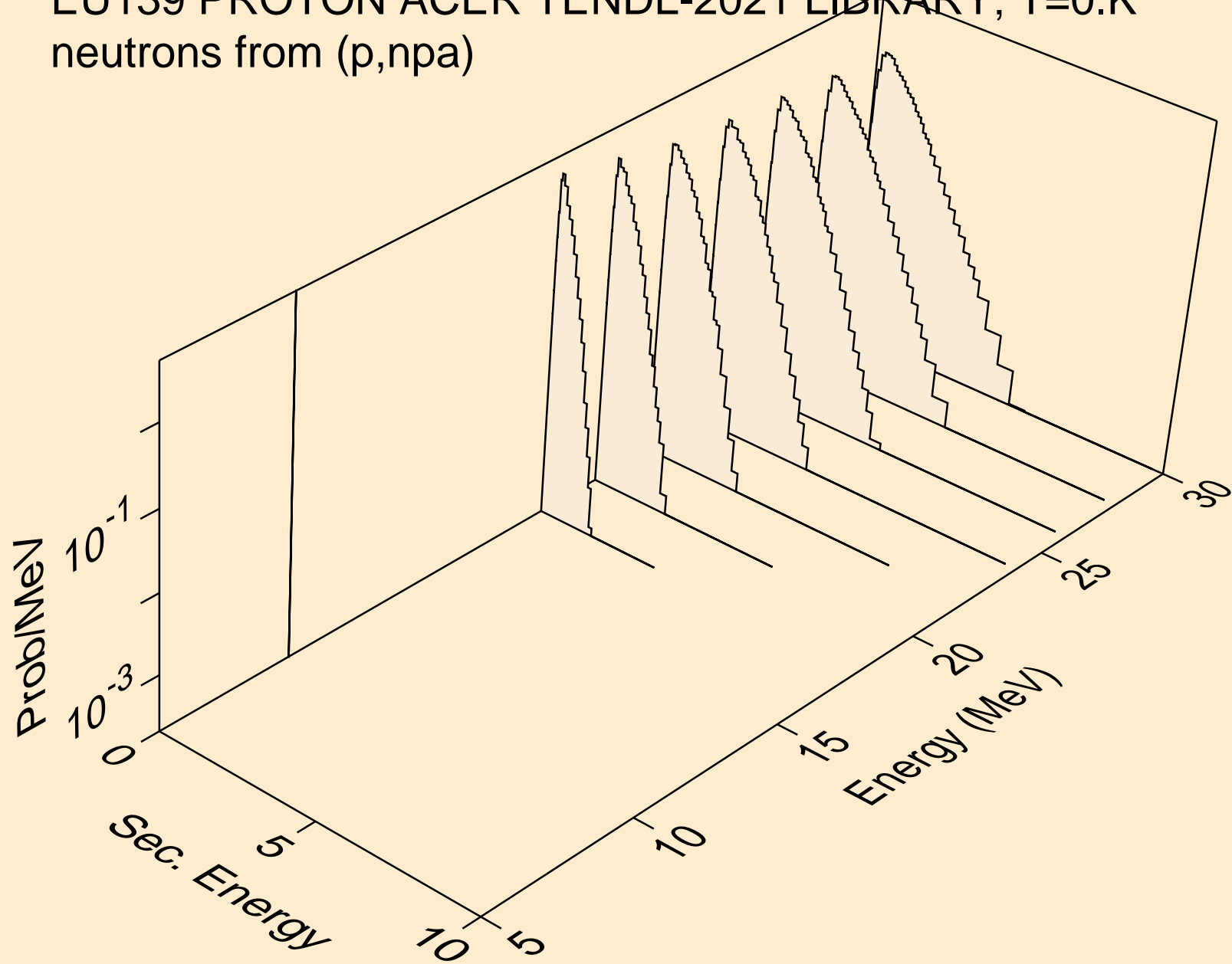
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neutrons from (p,2np)



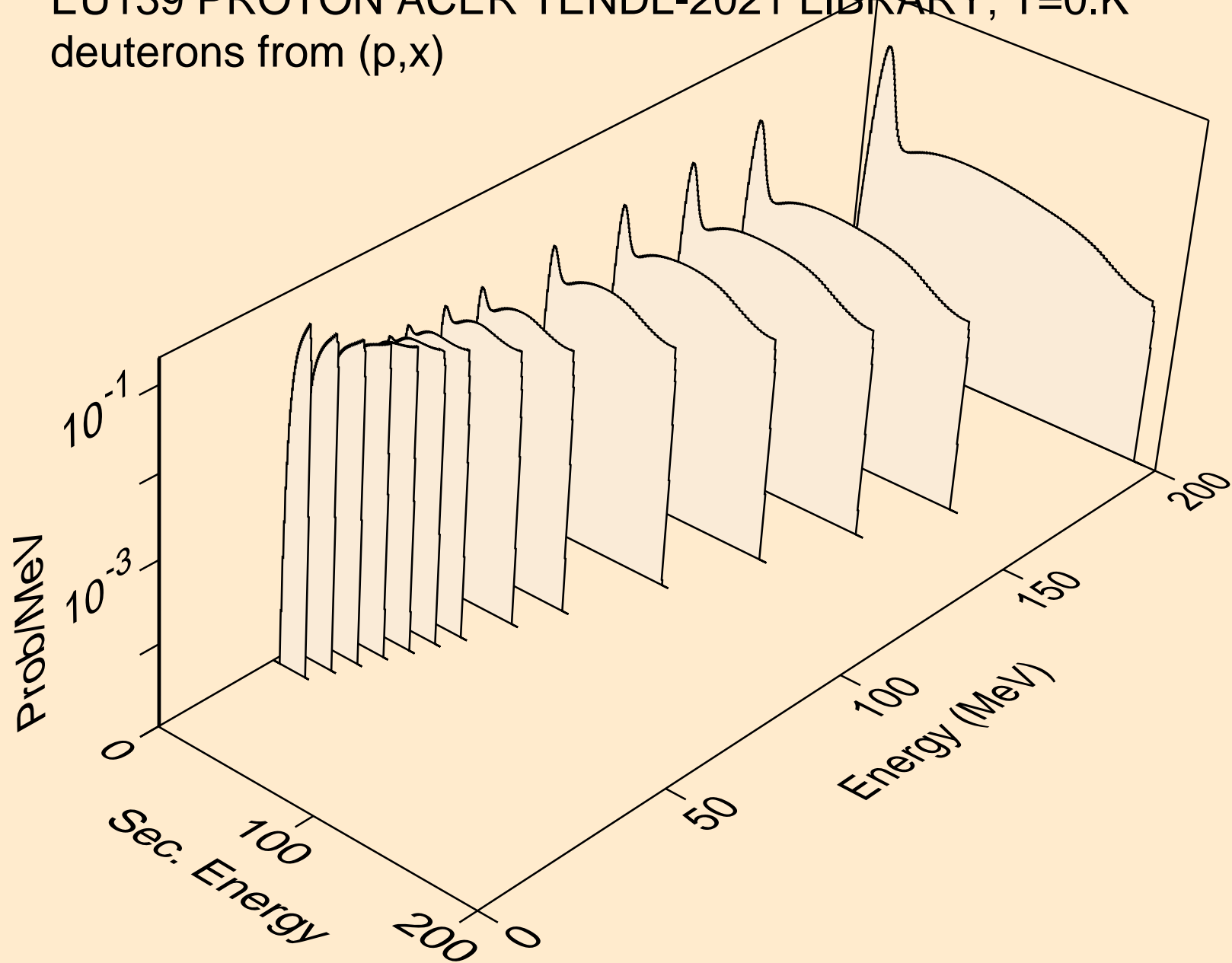
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neutrons from (p,2np)



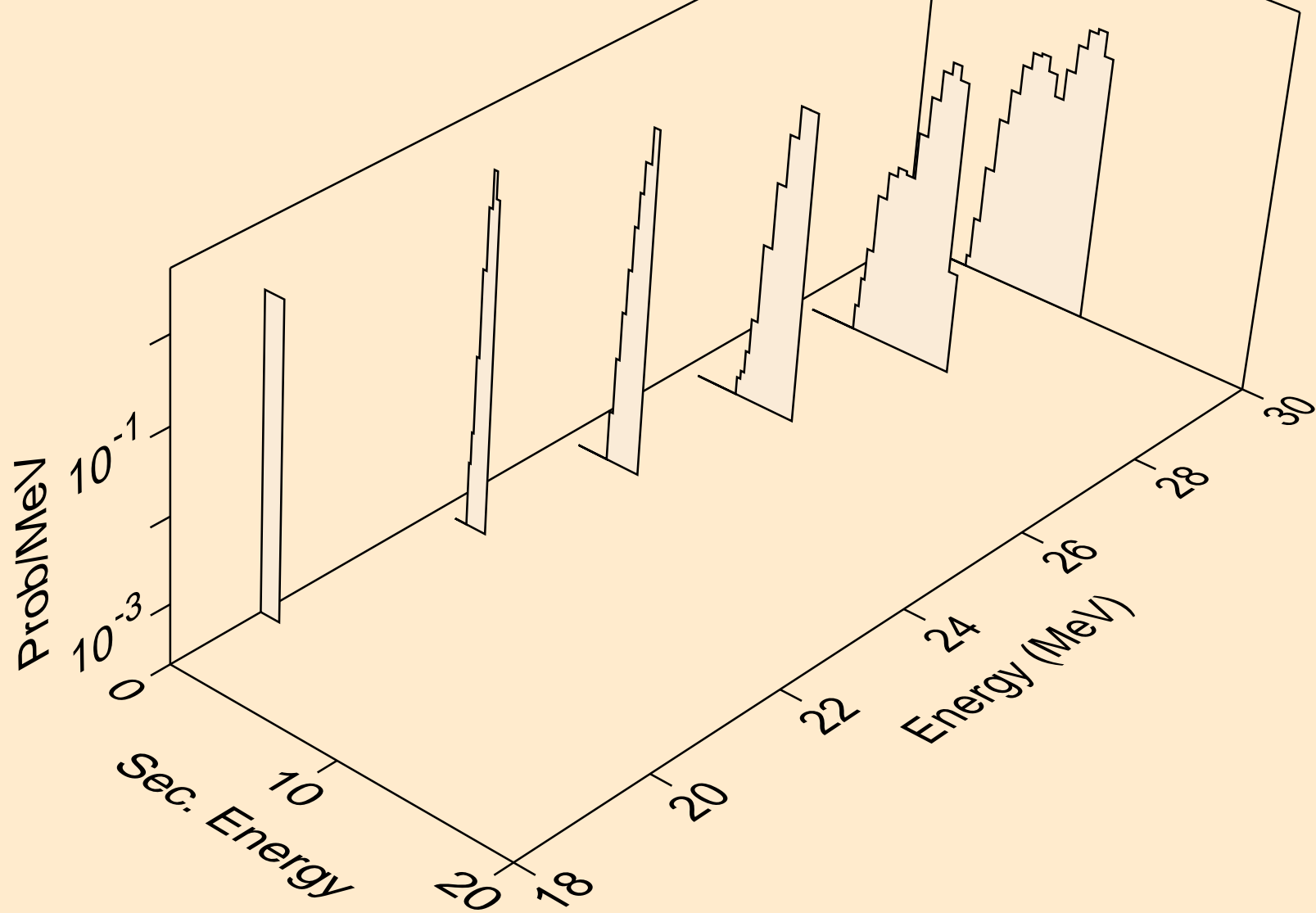
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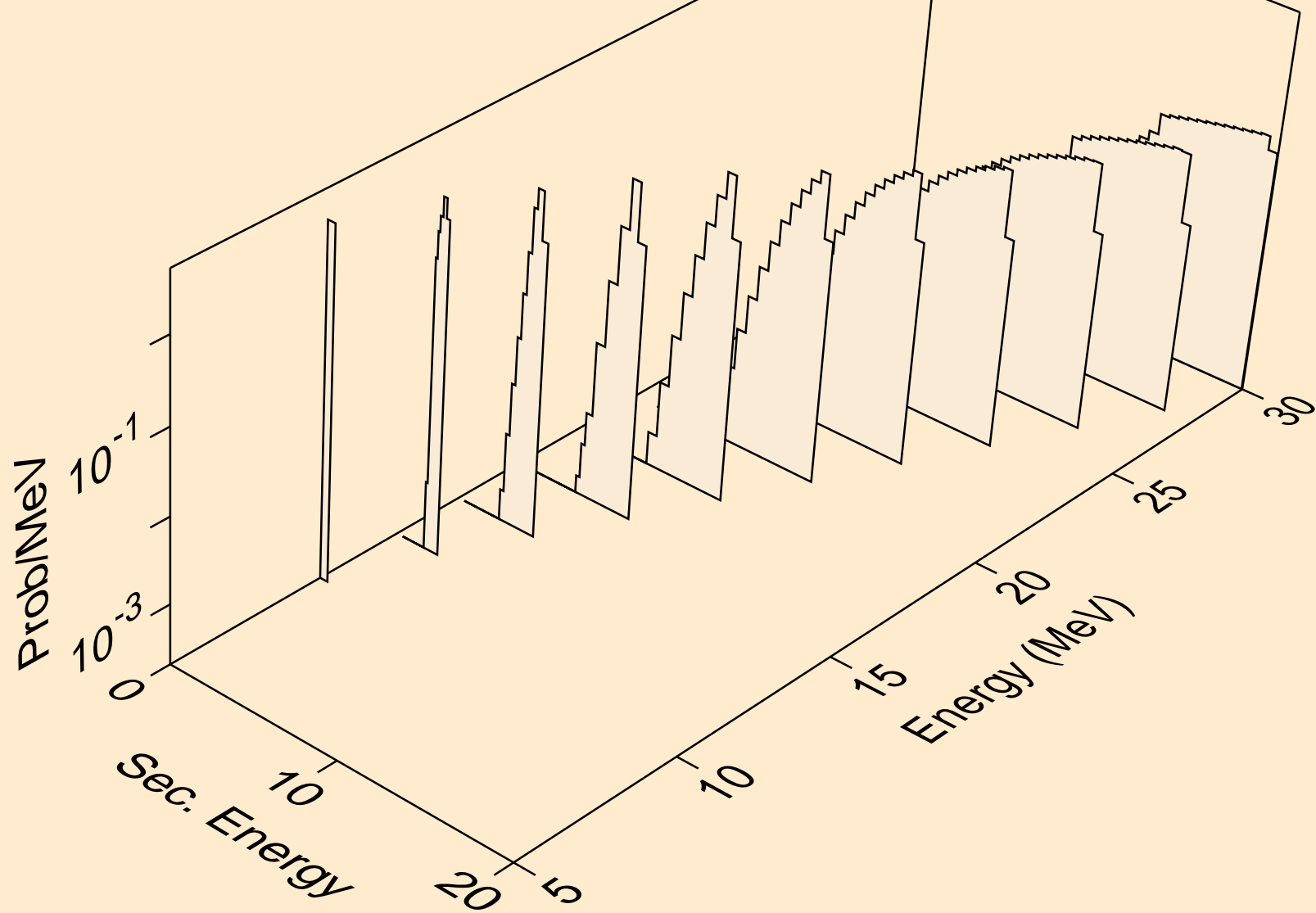
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deuterons from (p,x)



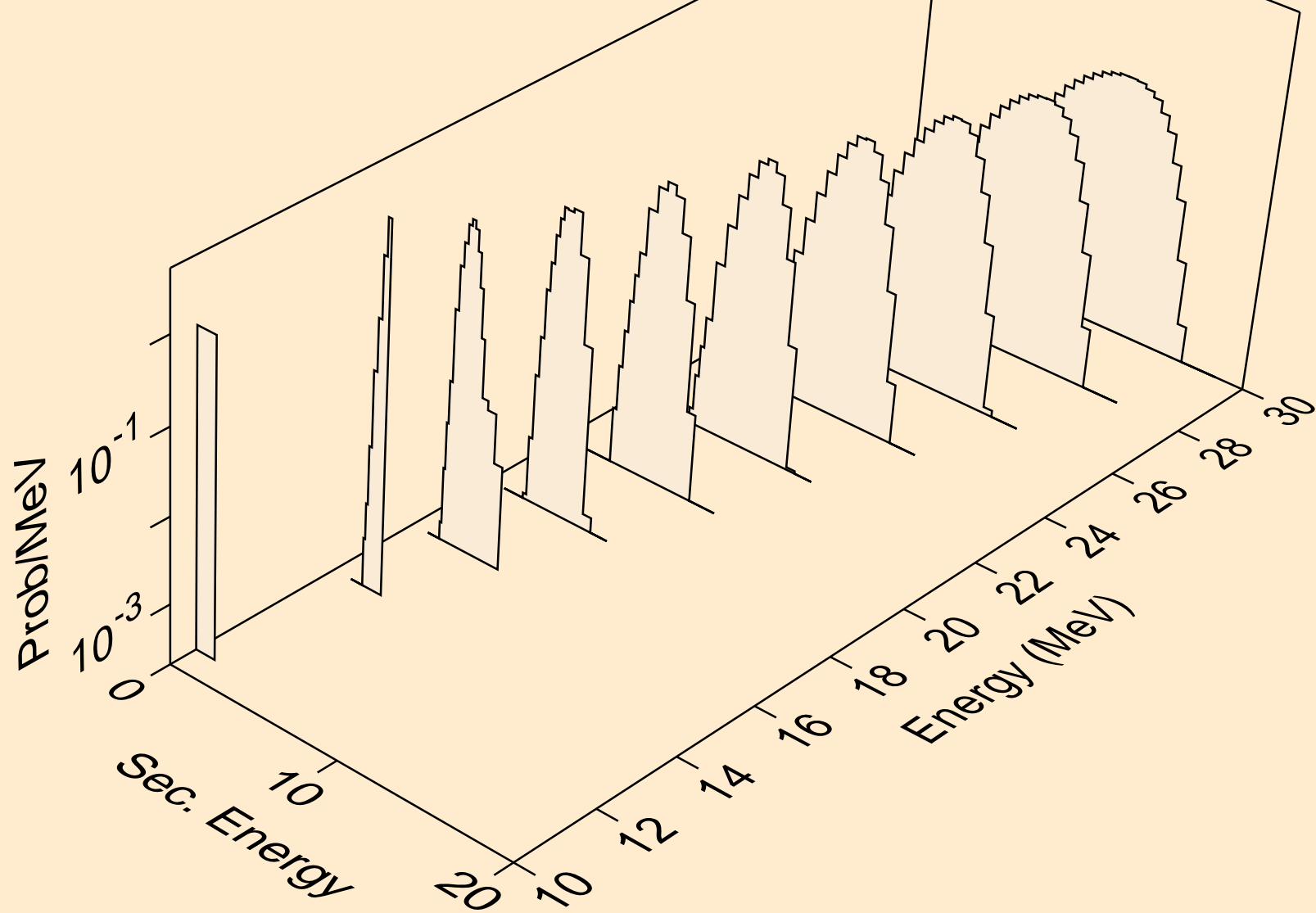
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deuterons from (p,n\*)d



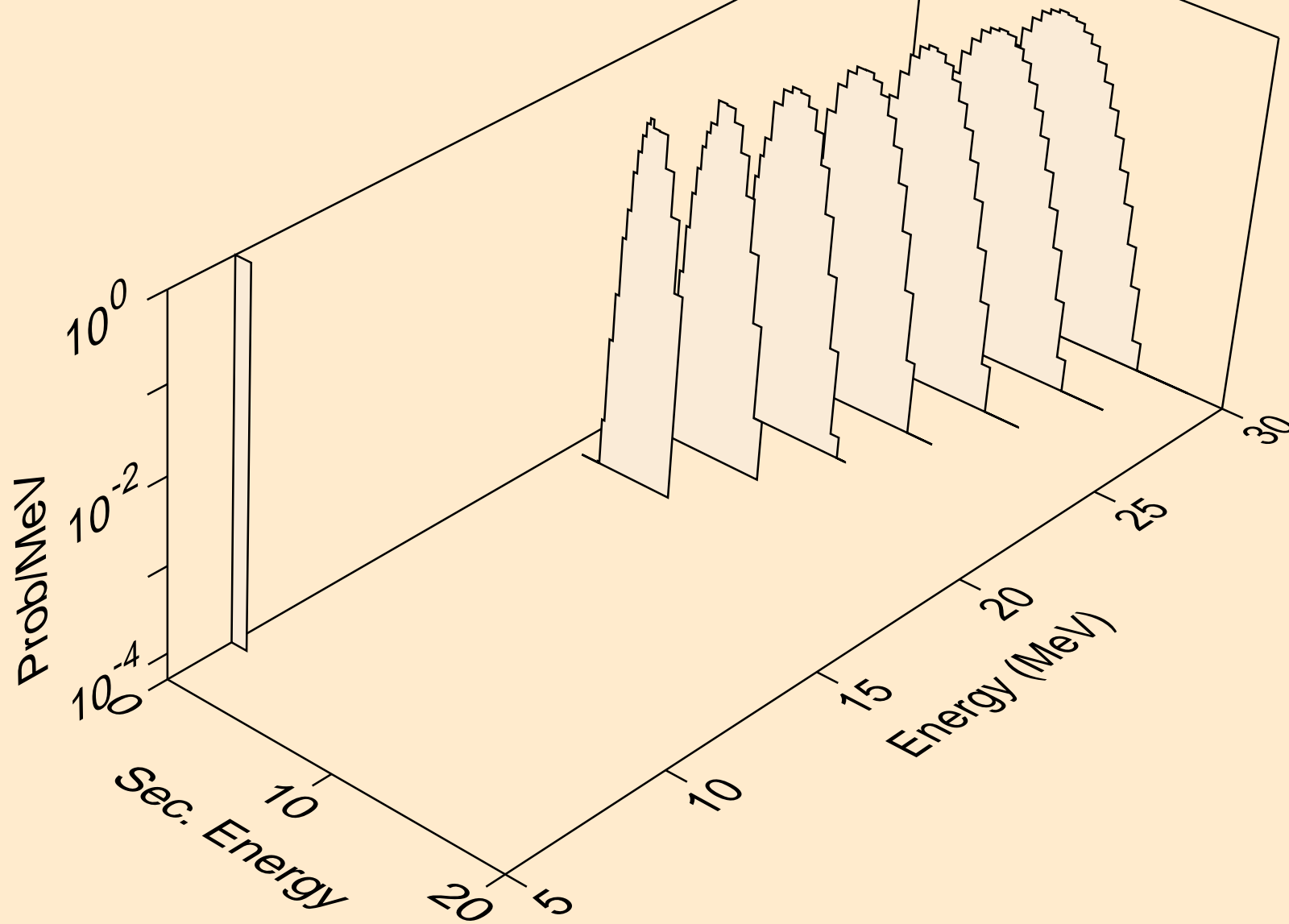
EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,d)



EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,pd)

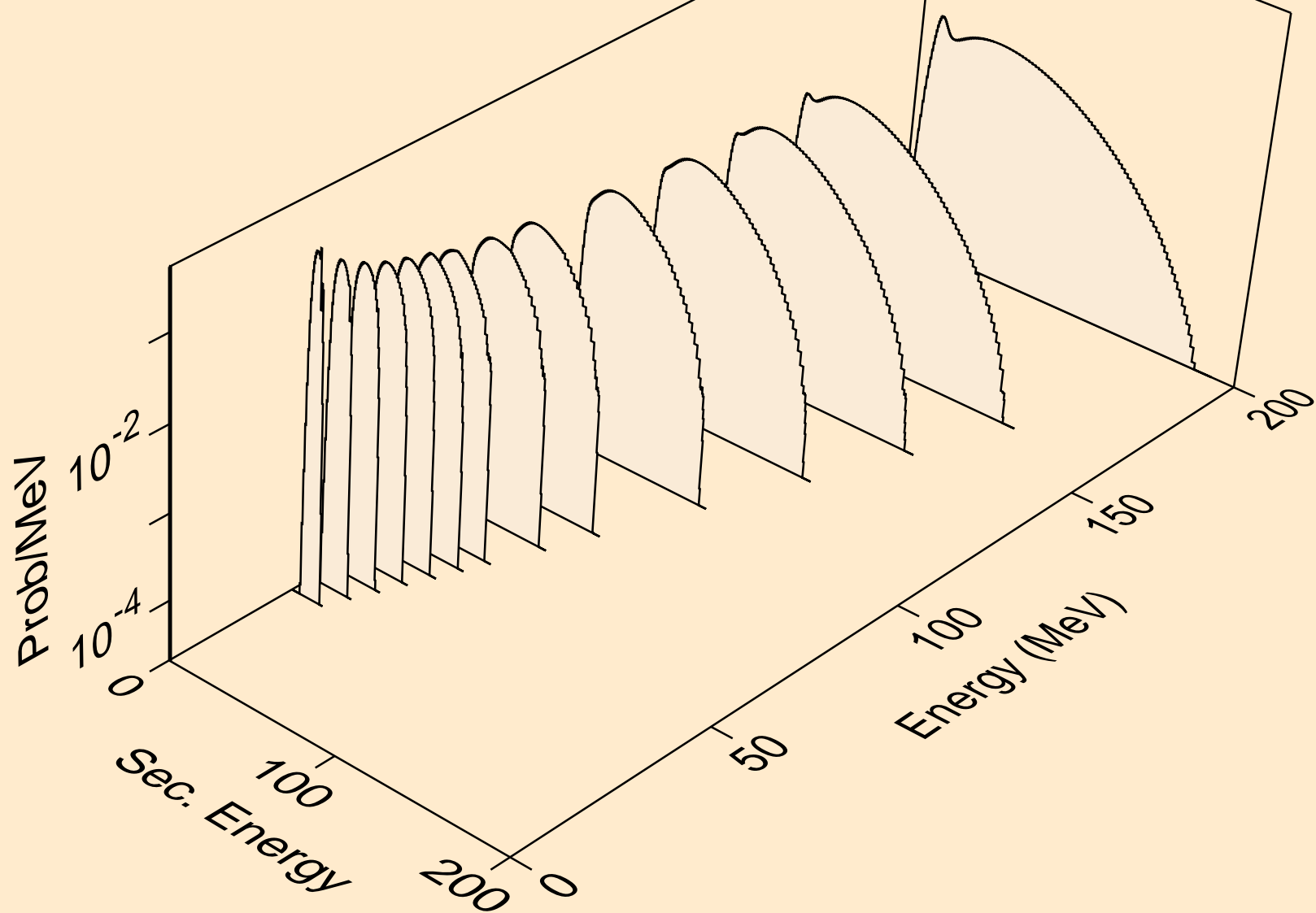


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deuterons from (p,da)

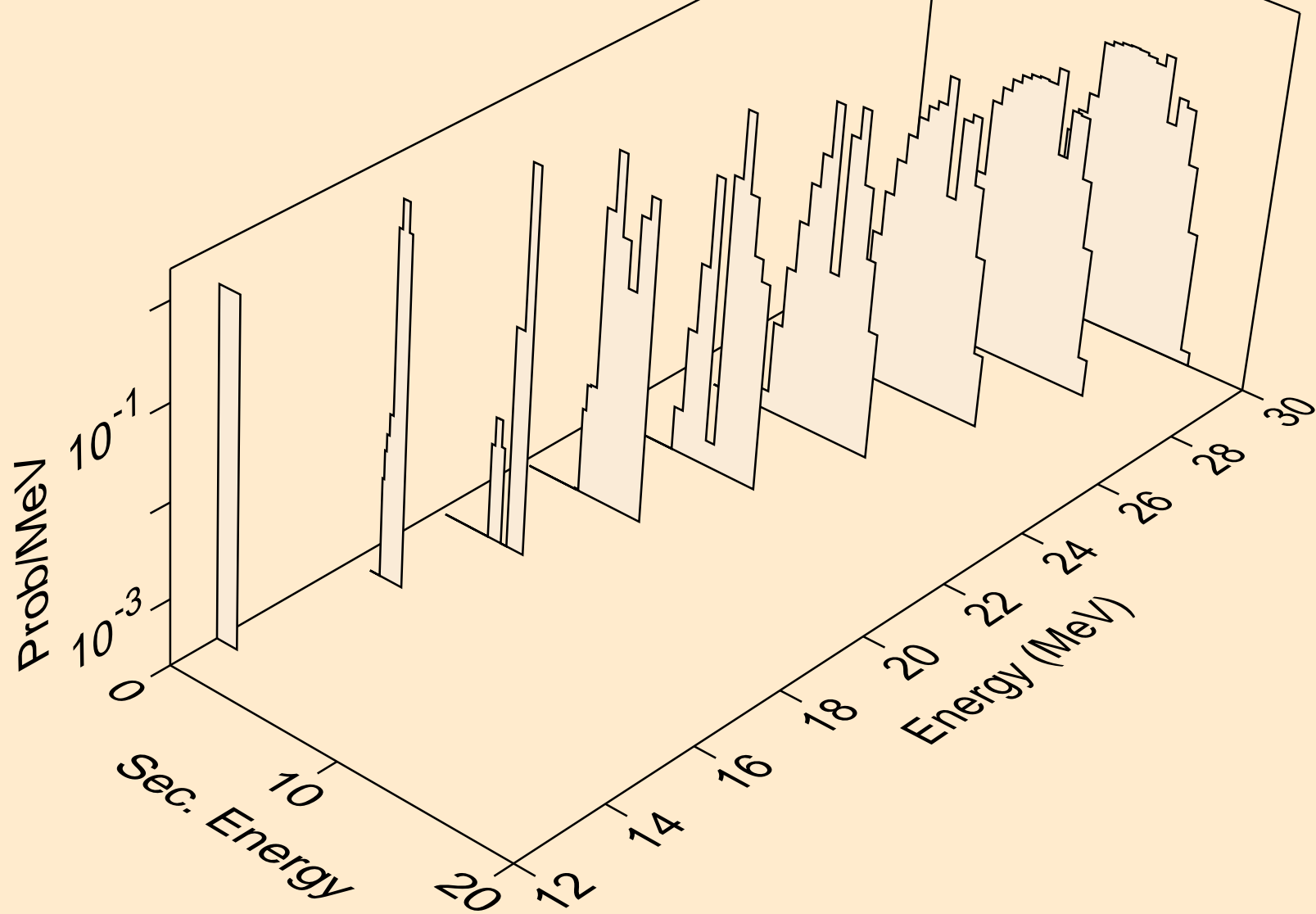




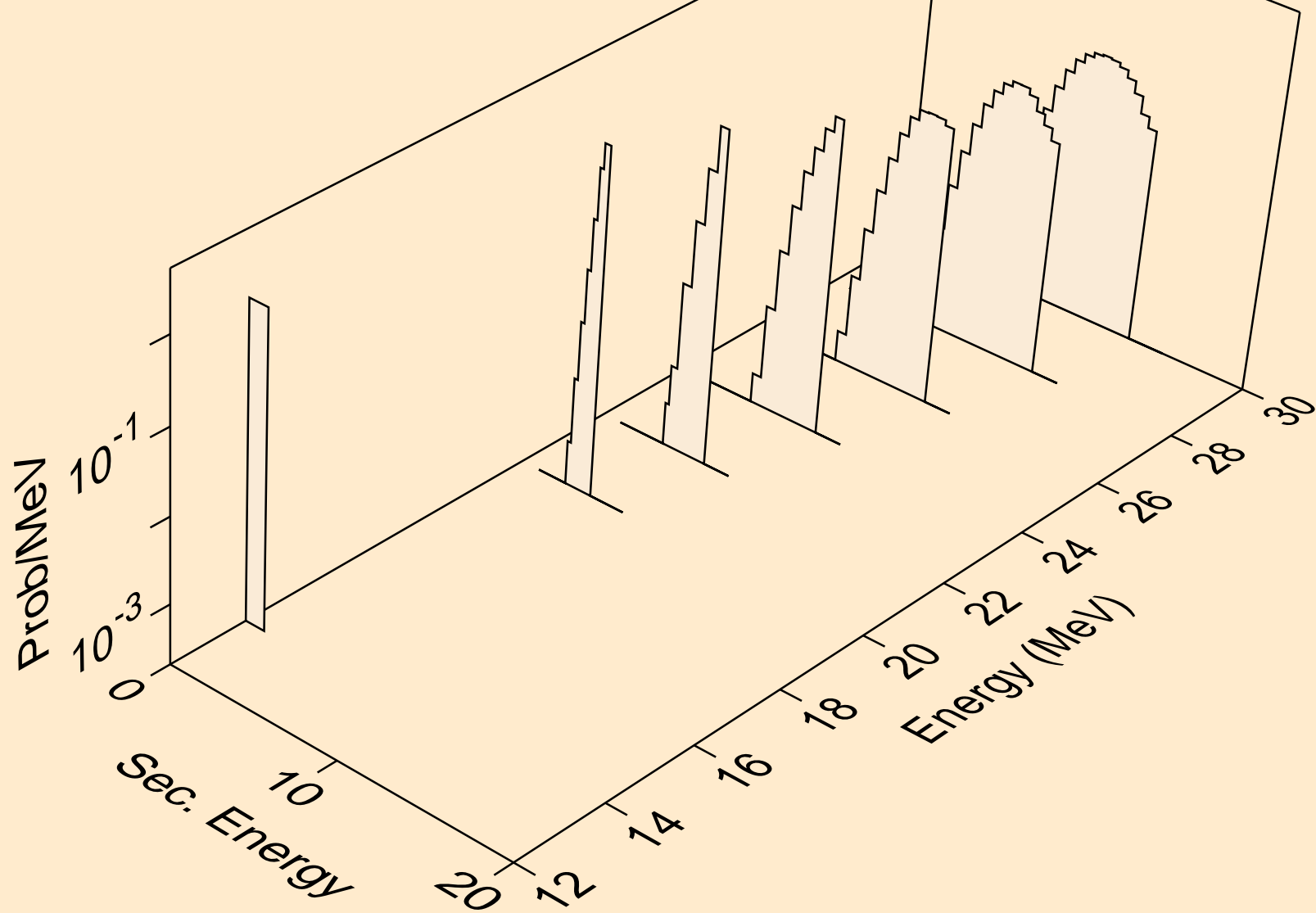
EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,x)



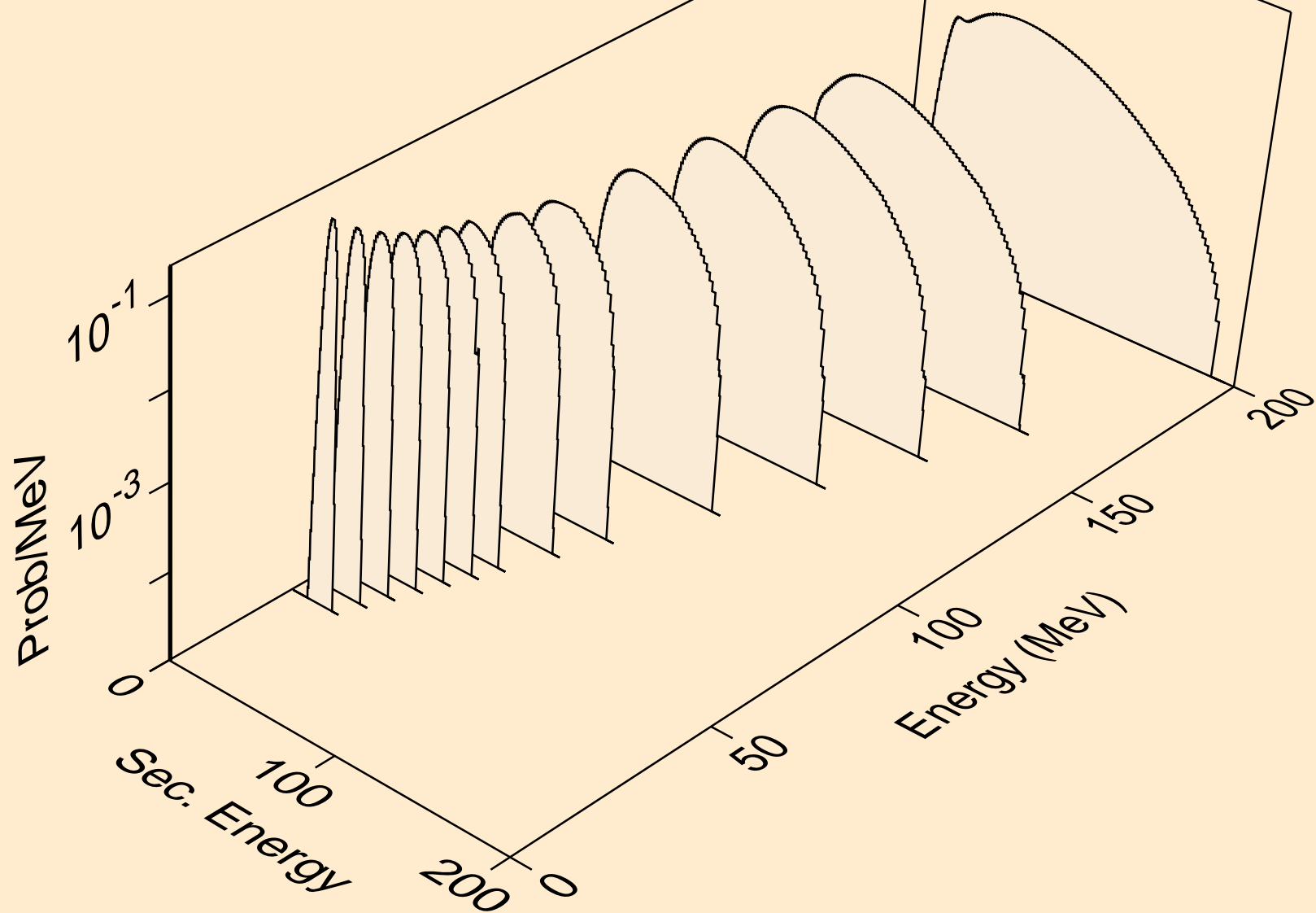
EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
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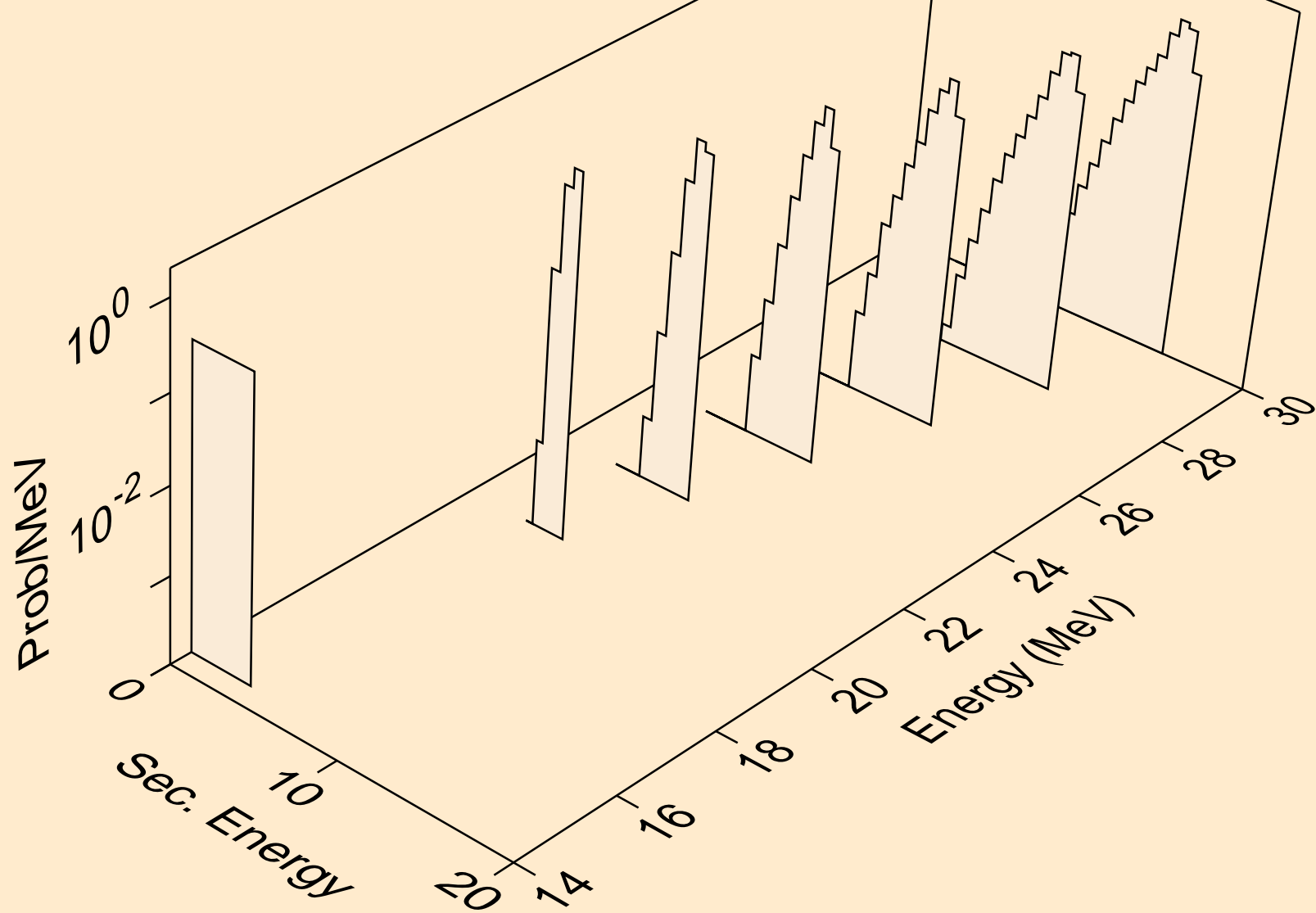
EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,pt)



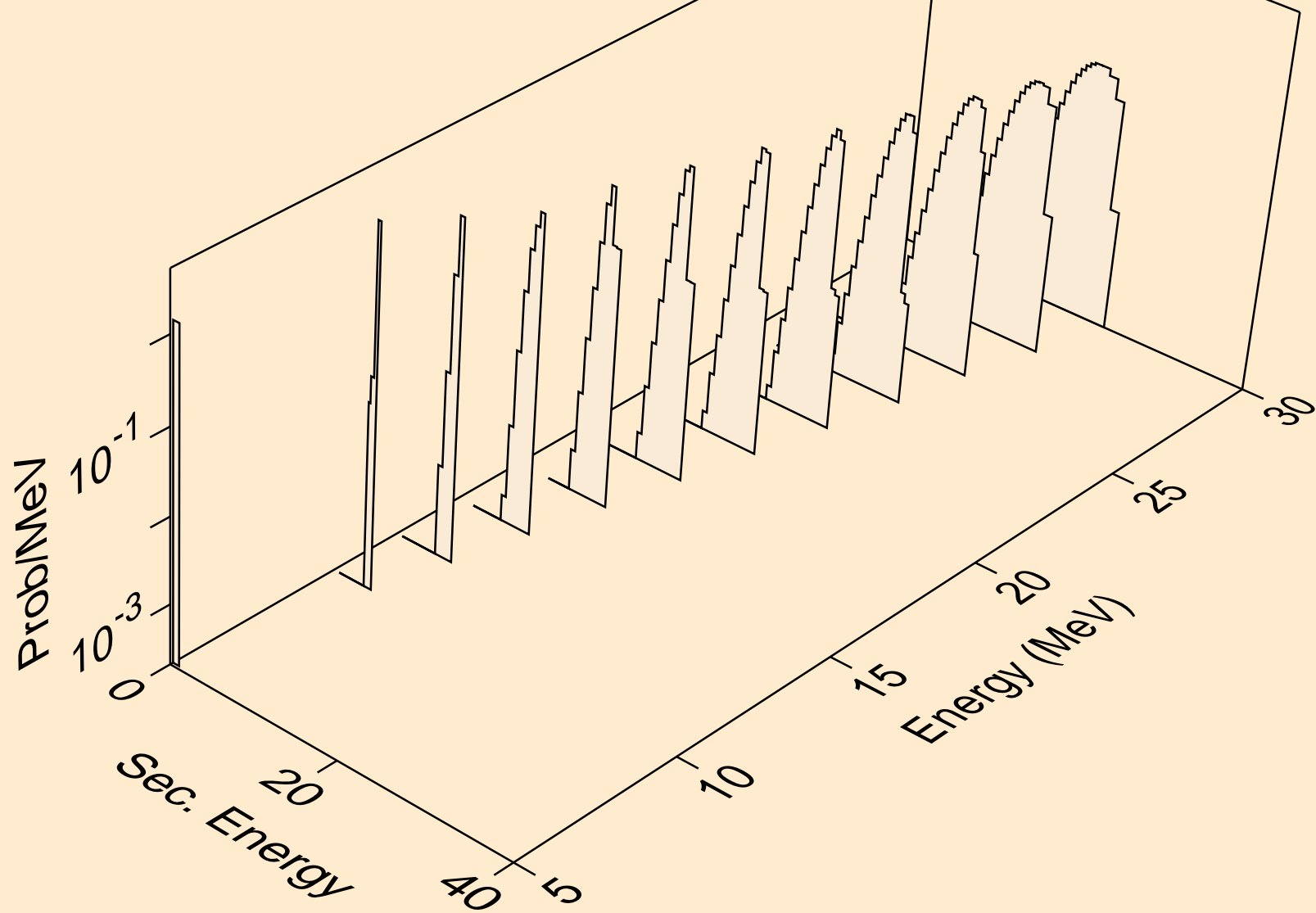
EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,x)



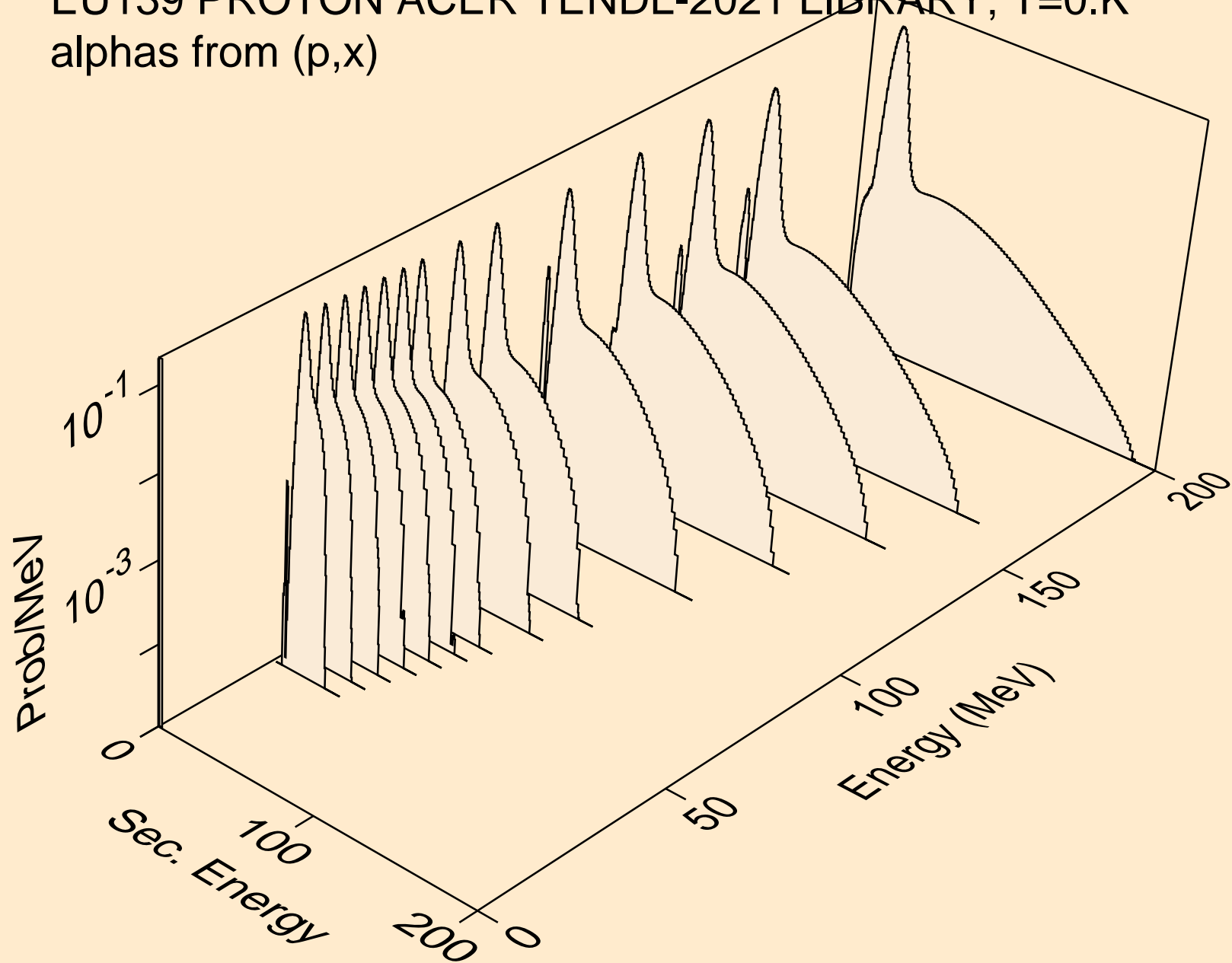
EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
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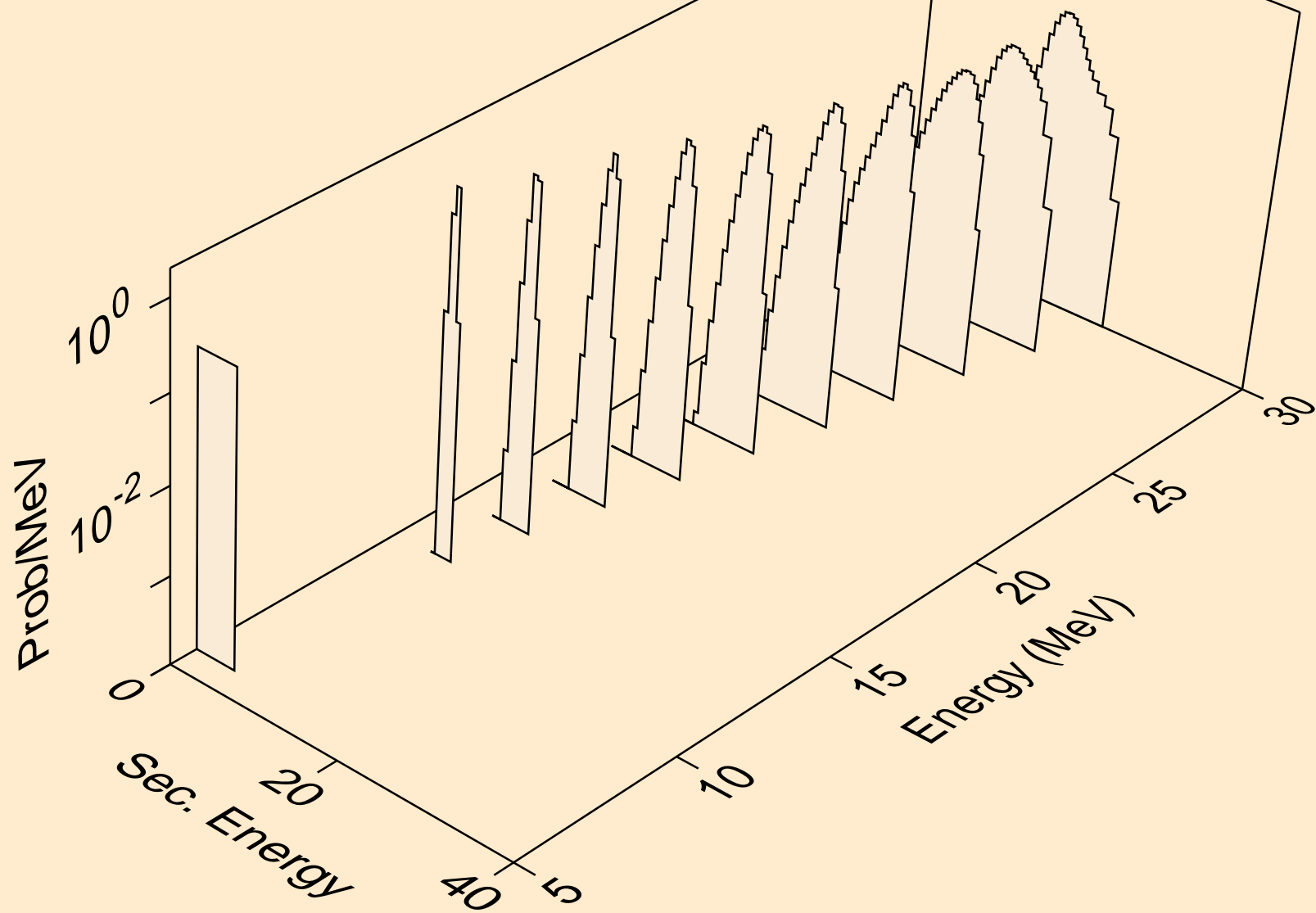
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he3s from (p,he3)



EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,x)

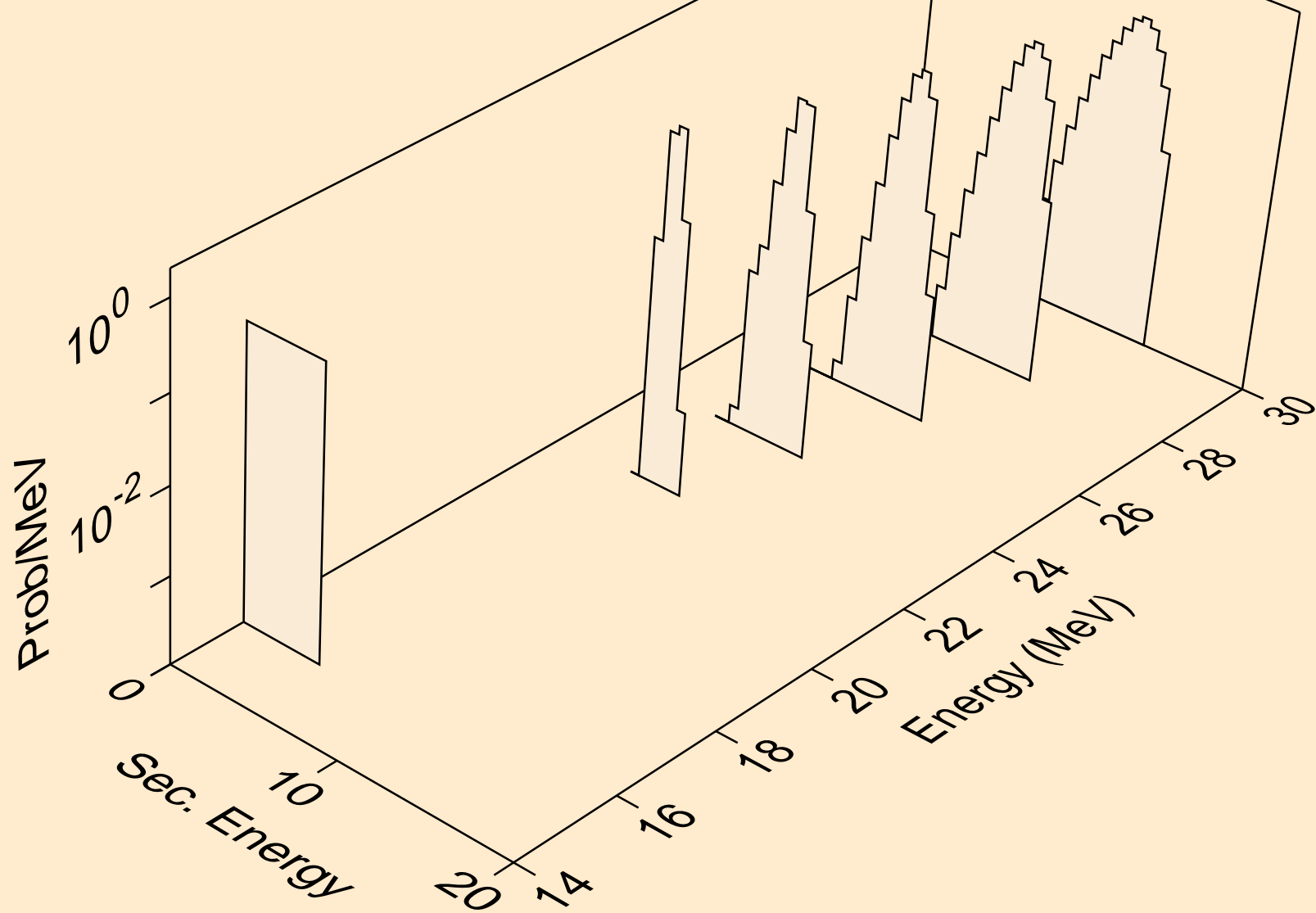


EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)a

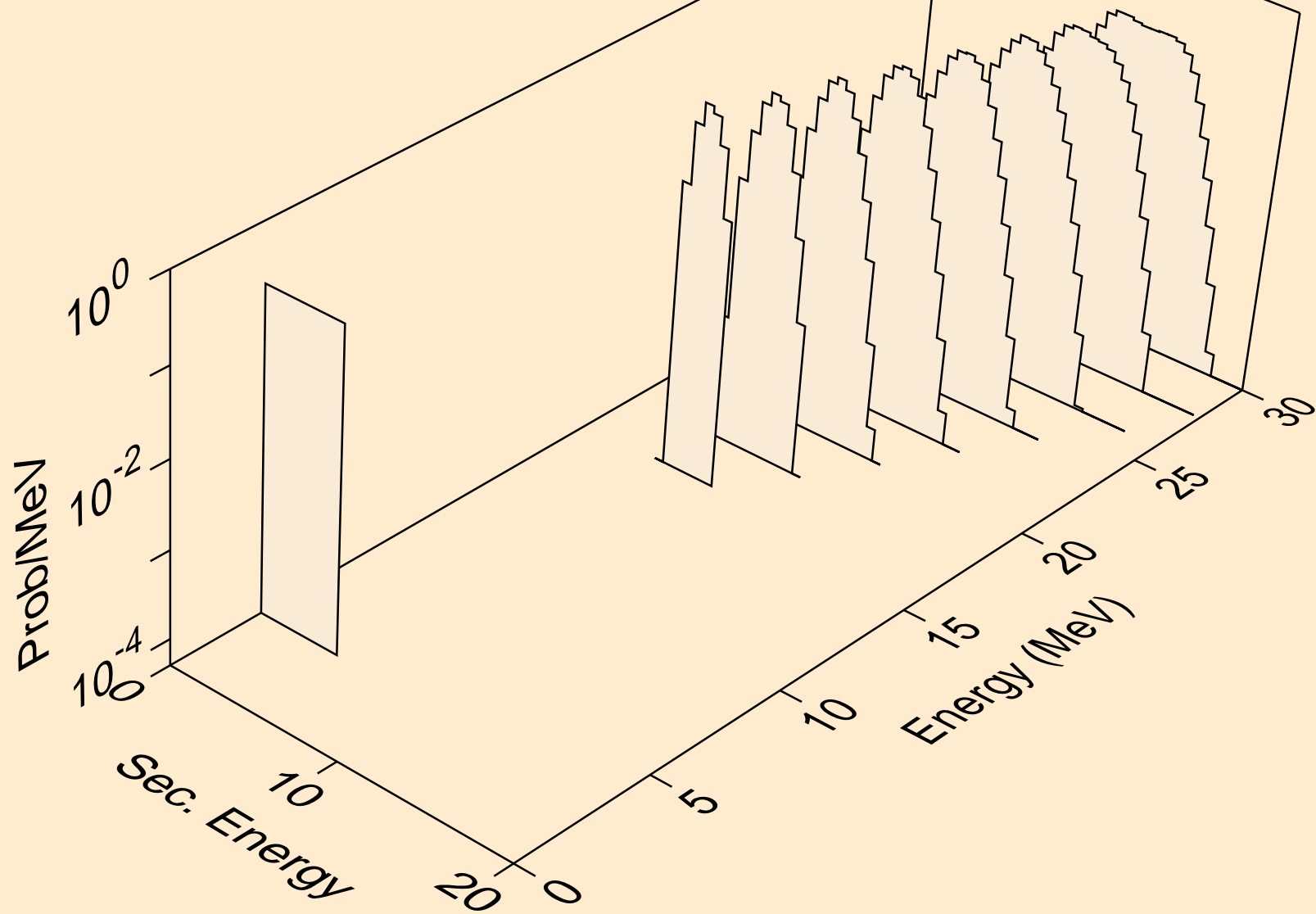




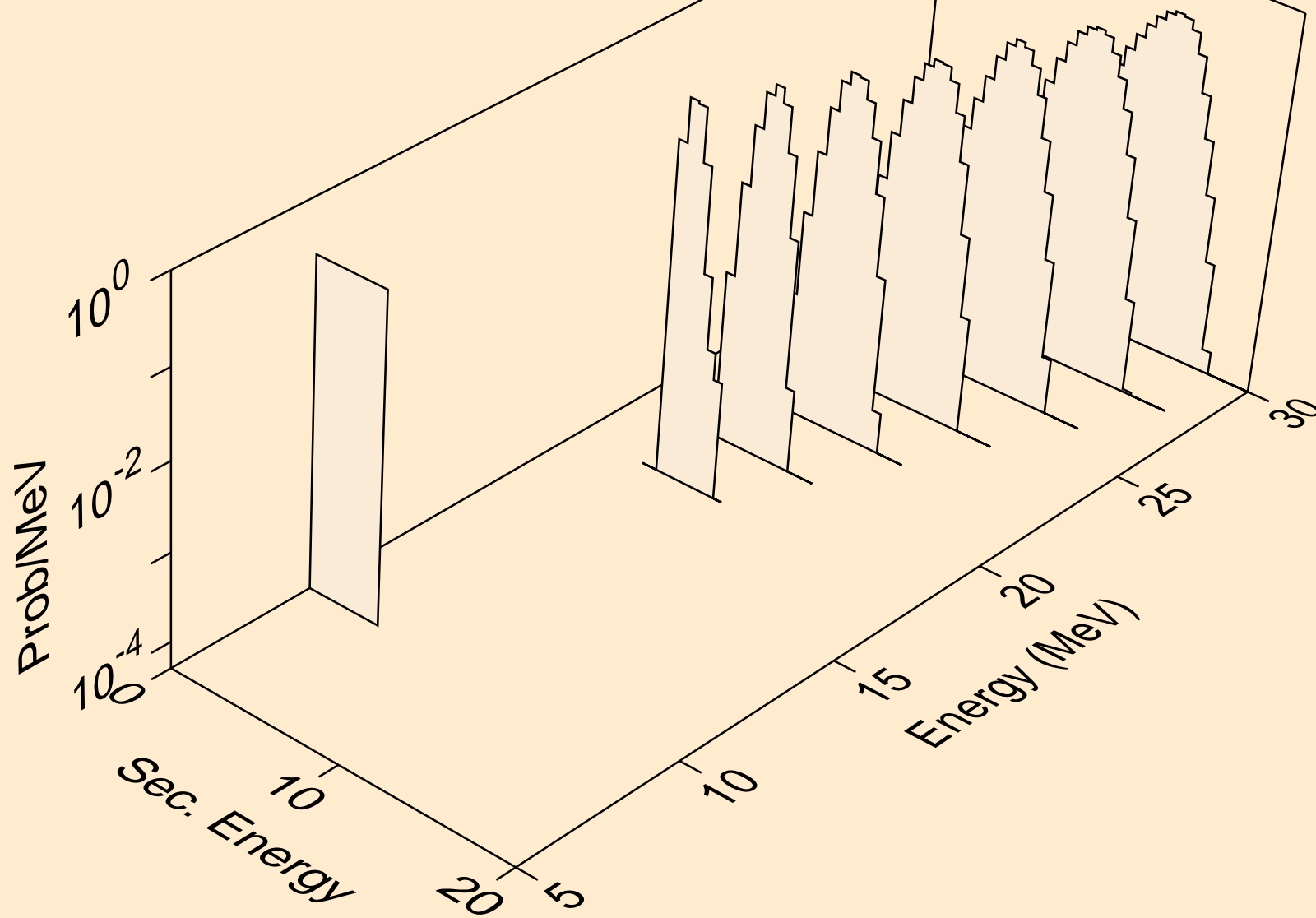
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alphas from (p,2n)a



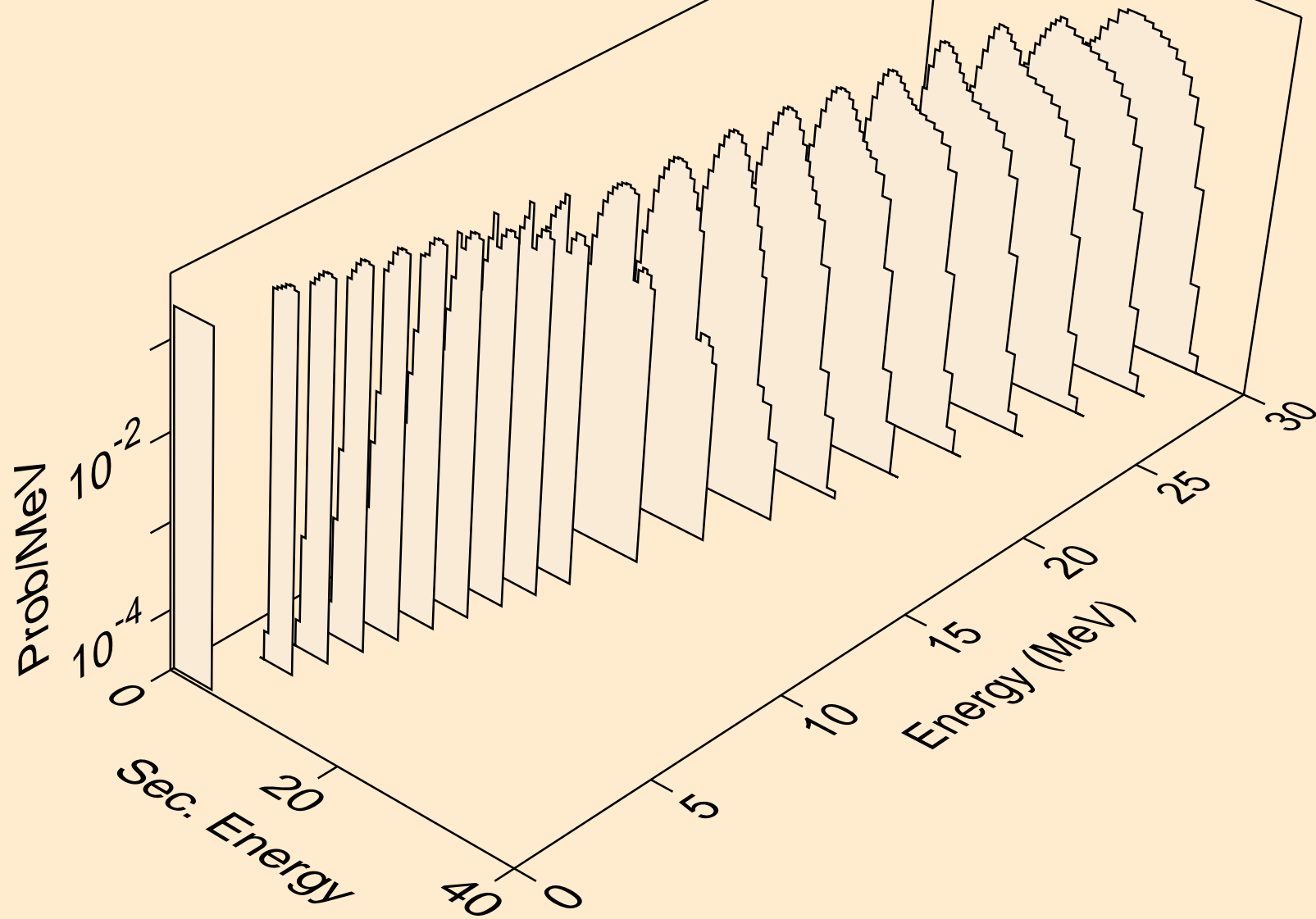
EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)2a



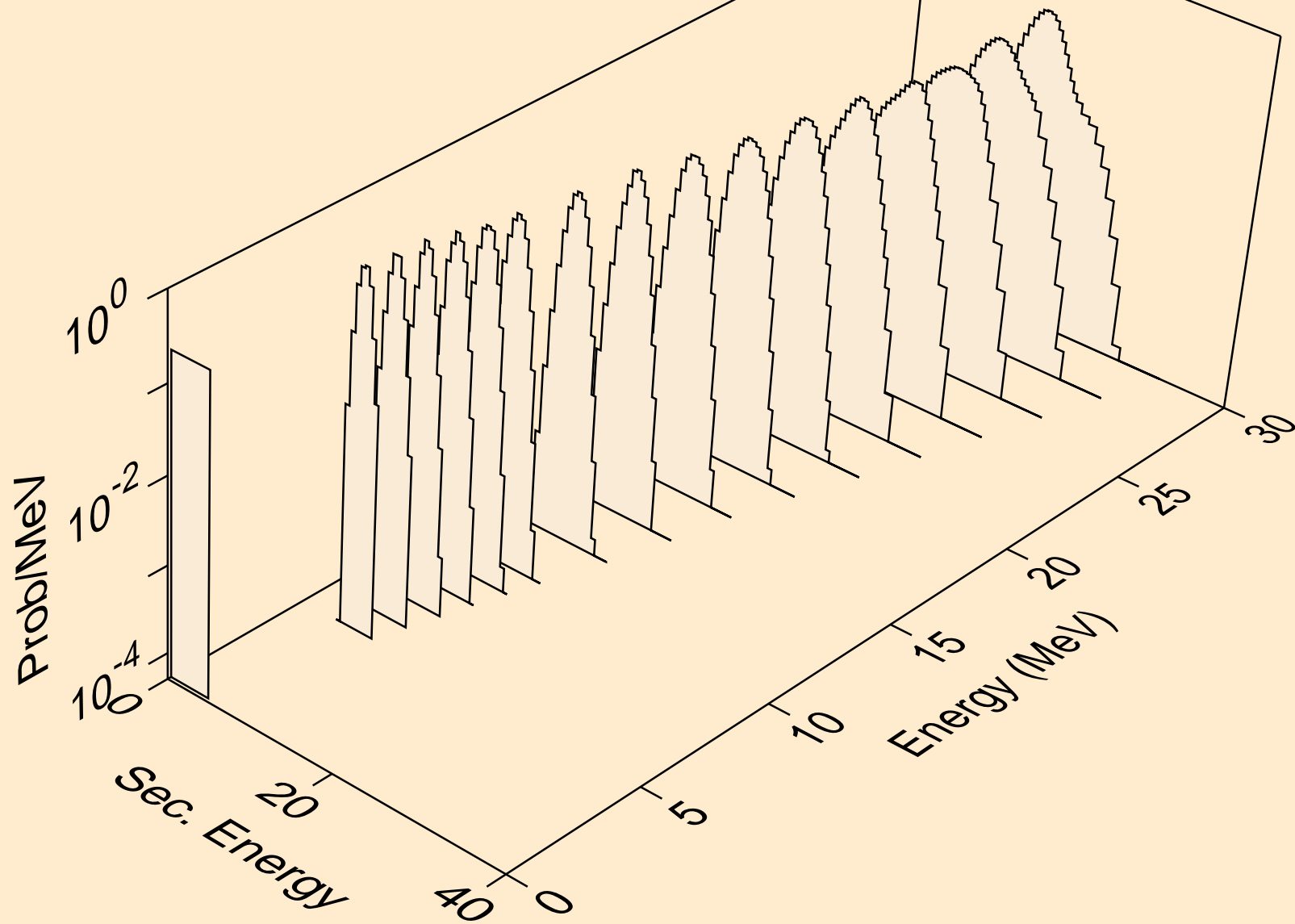
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alphas from (p,npa)



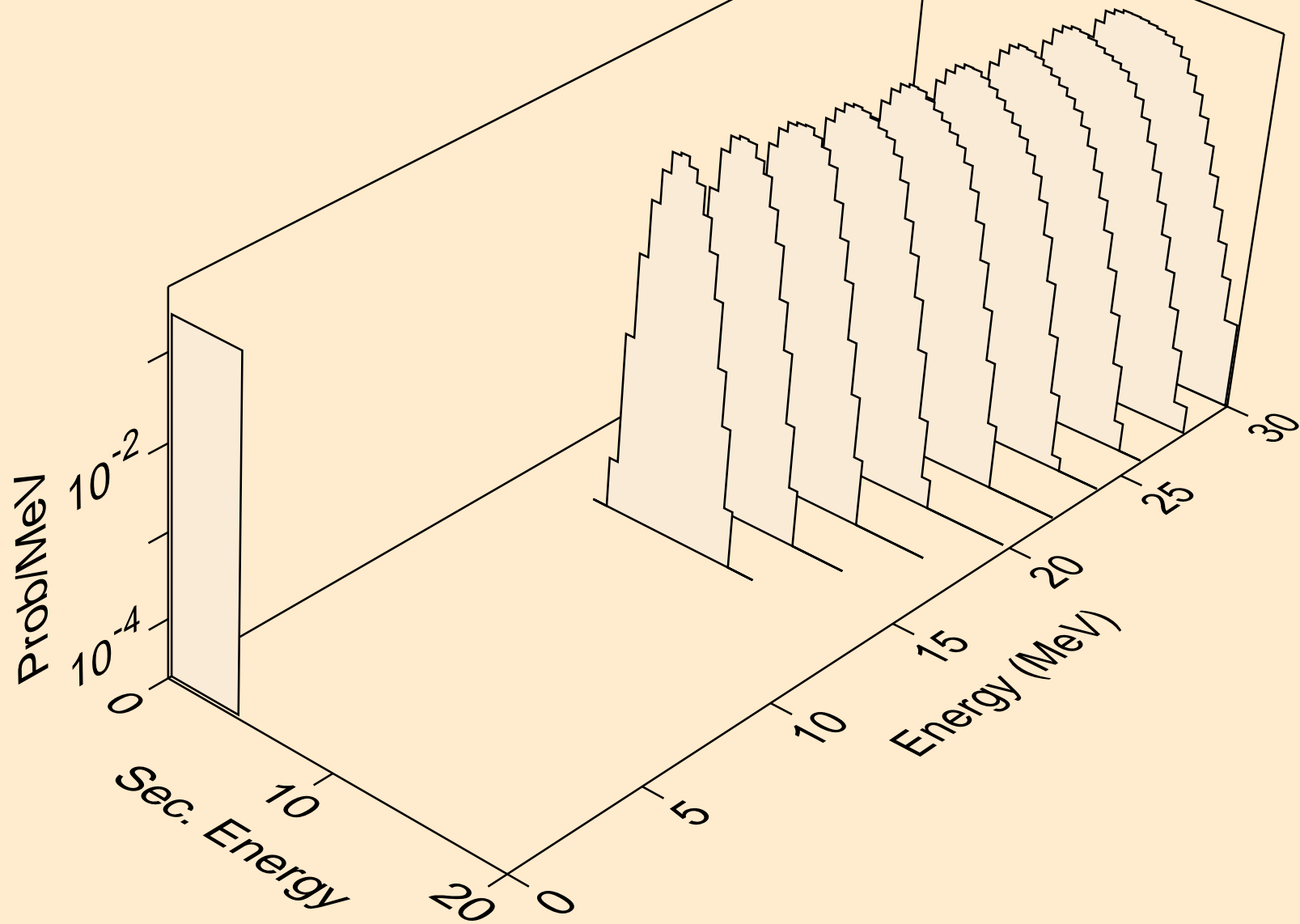
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alphas from (p,a)



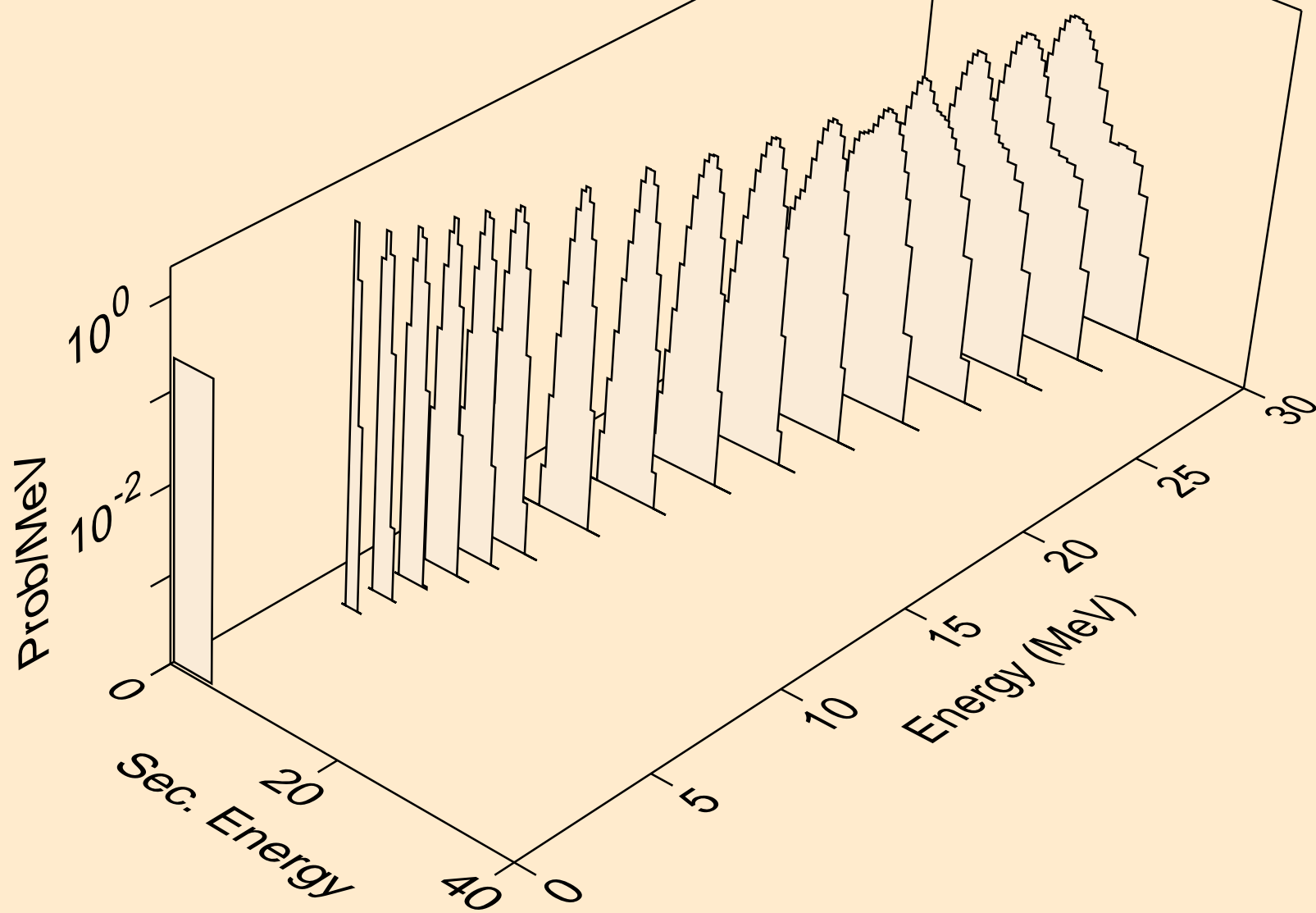
EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2a)



EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,3a)



EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,pa)



EU139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,da)

