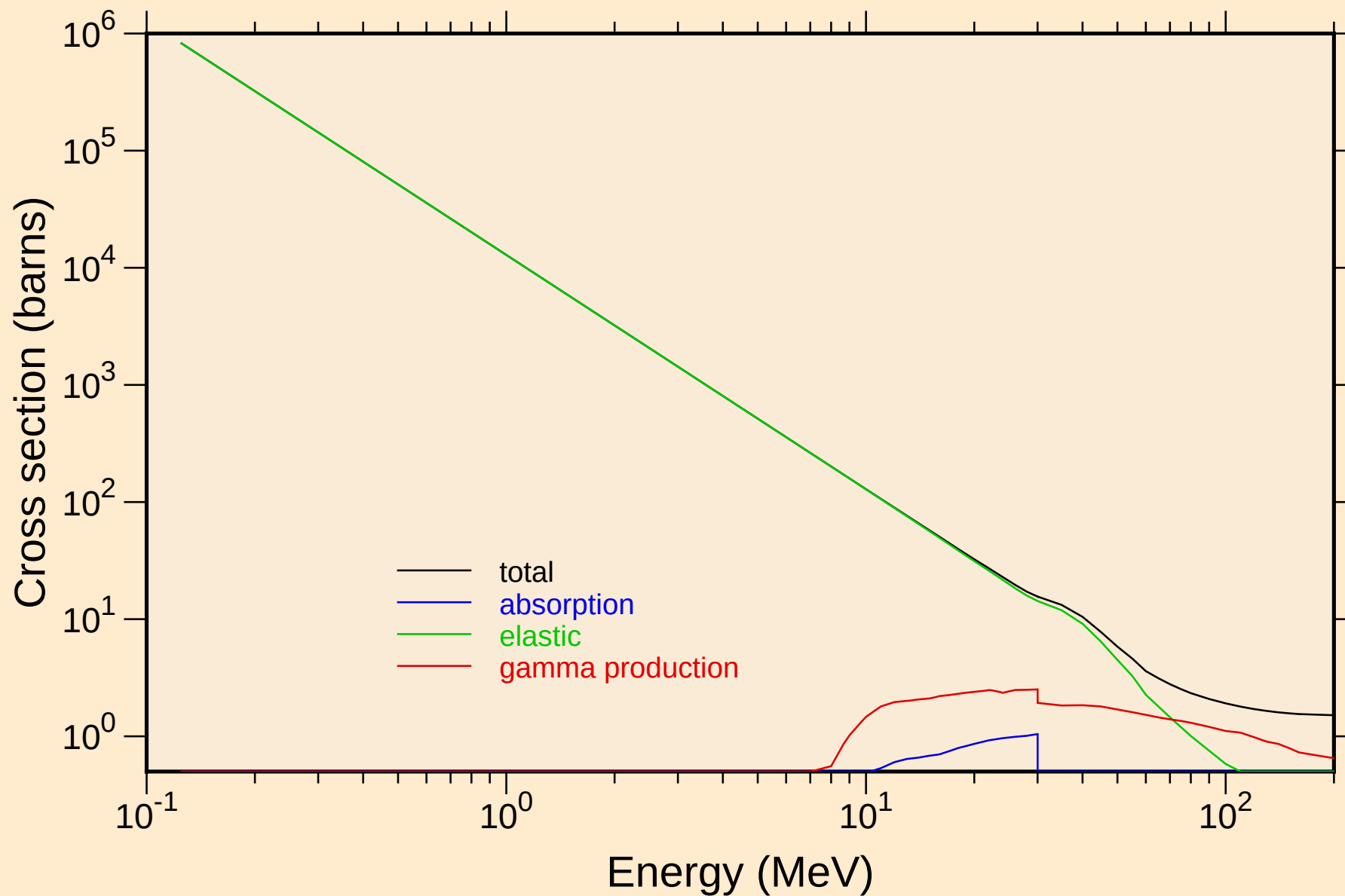


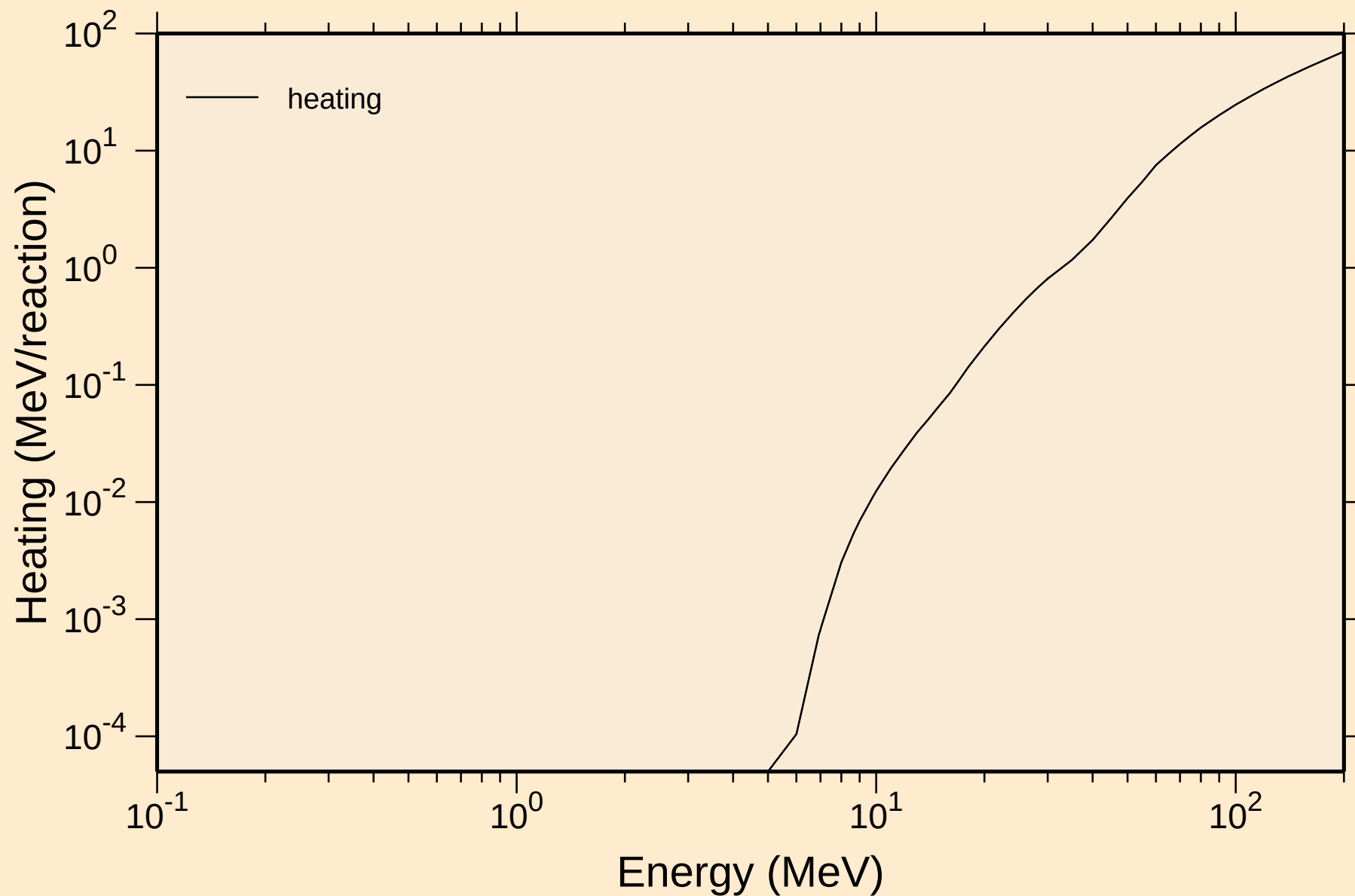
# SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



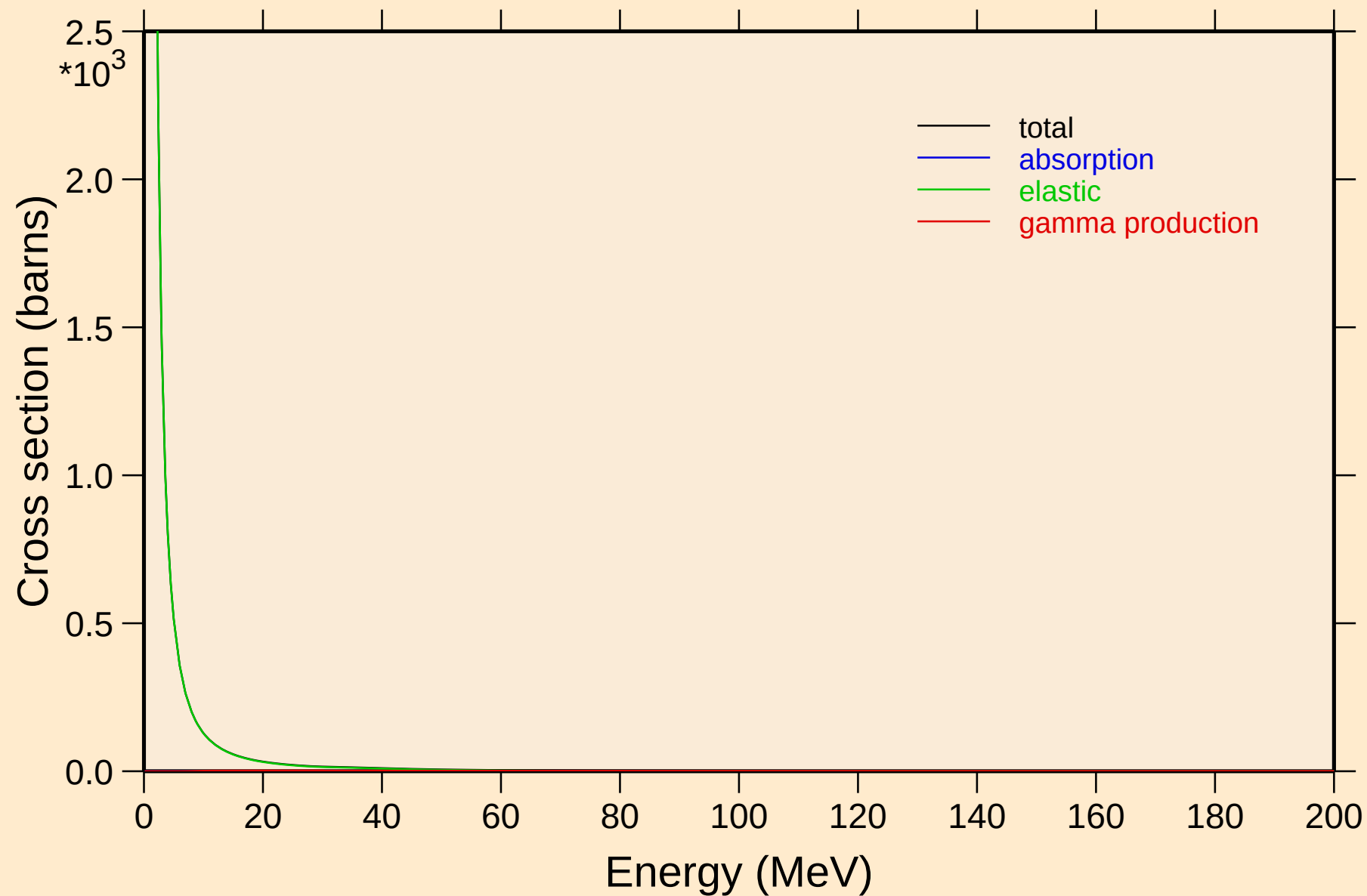
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Heating



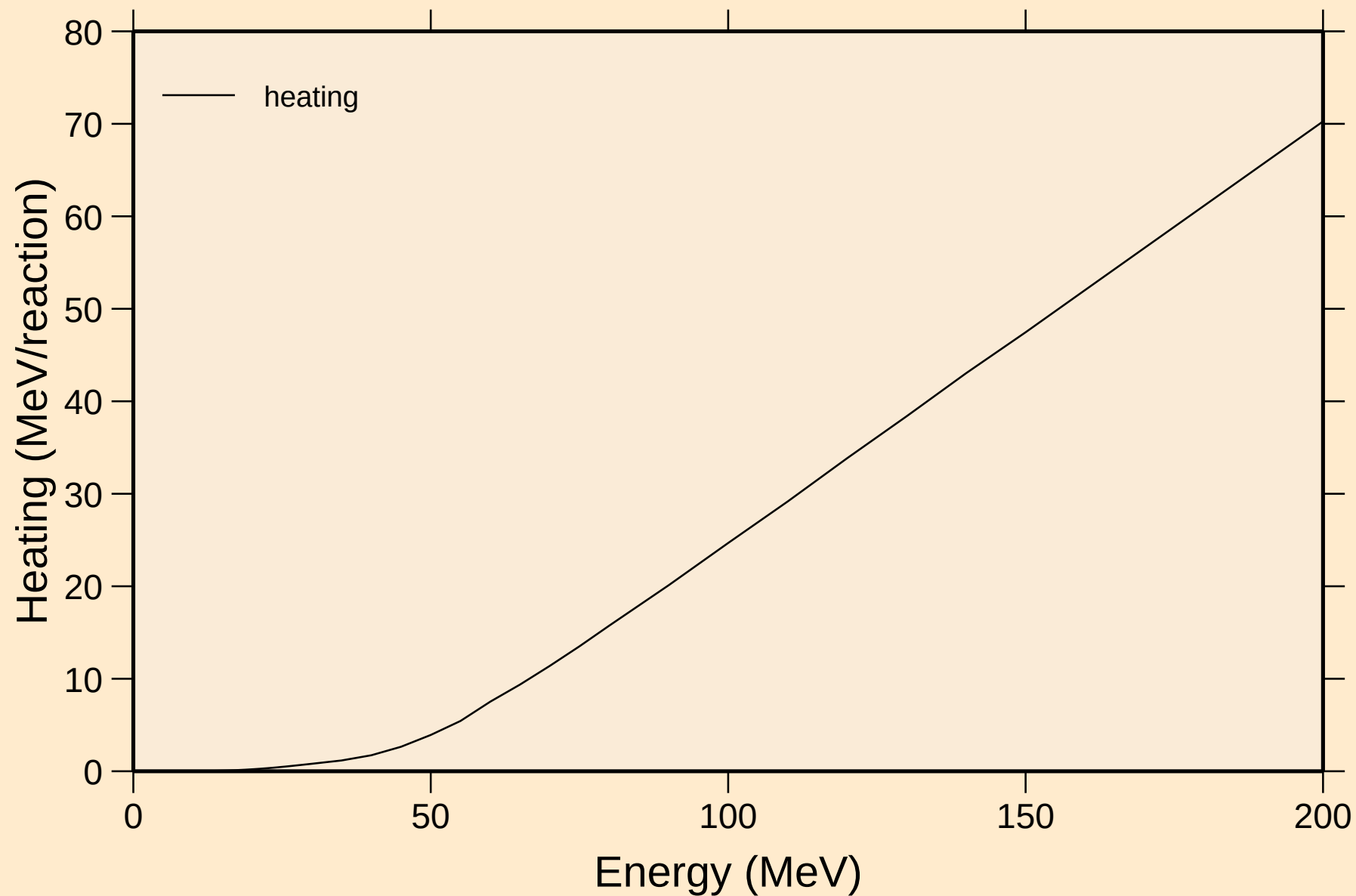
# SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



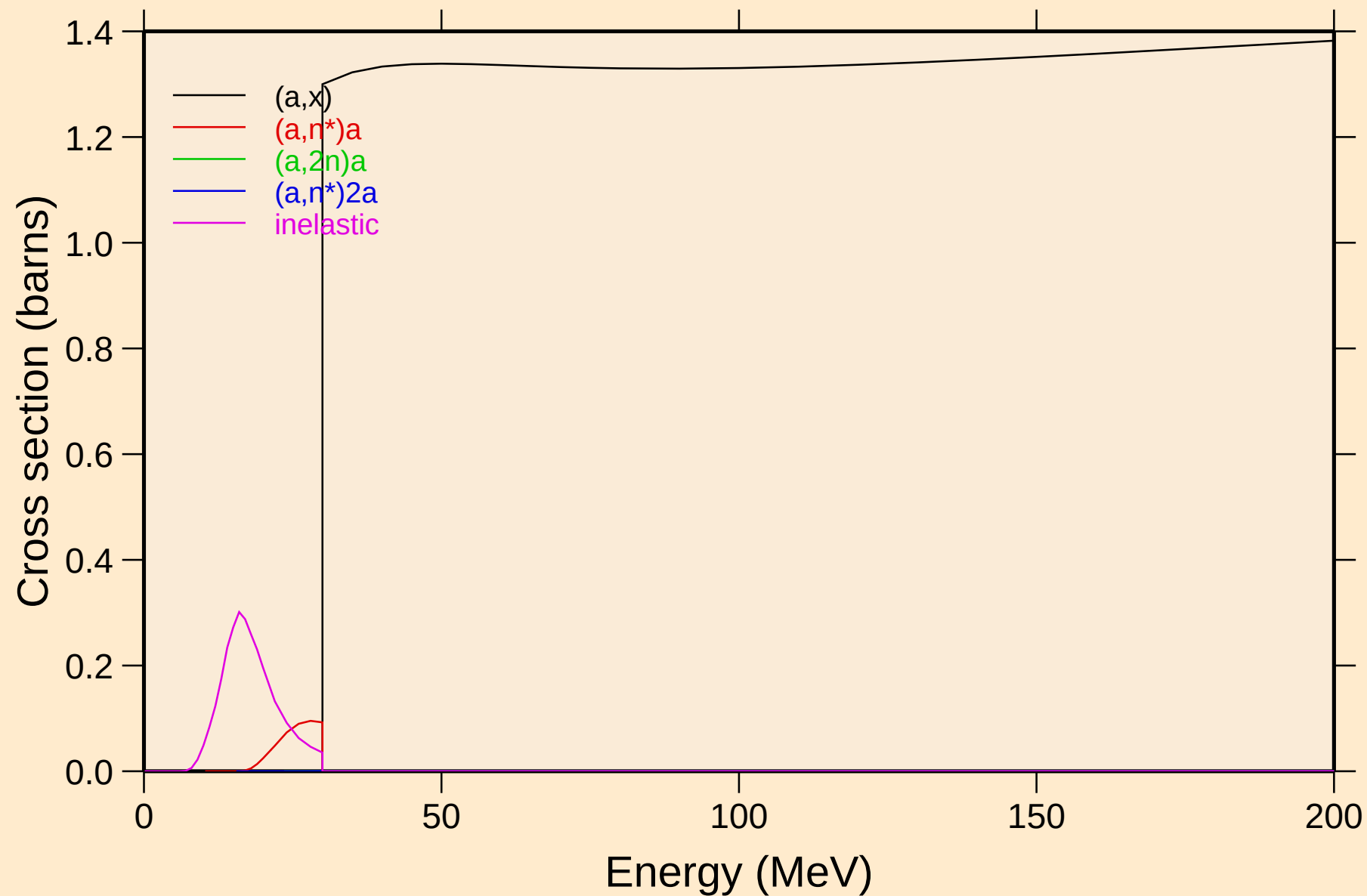
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Heating

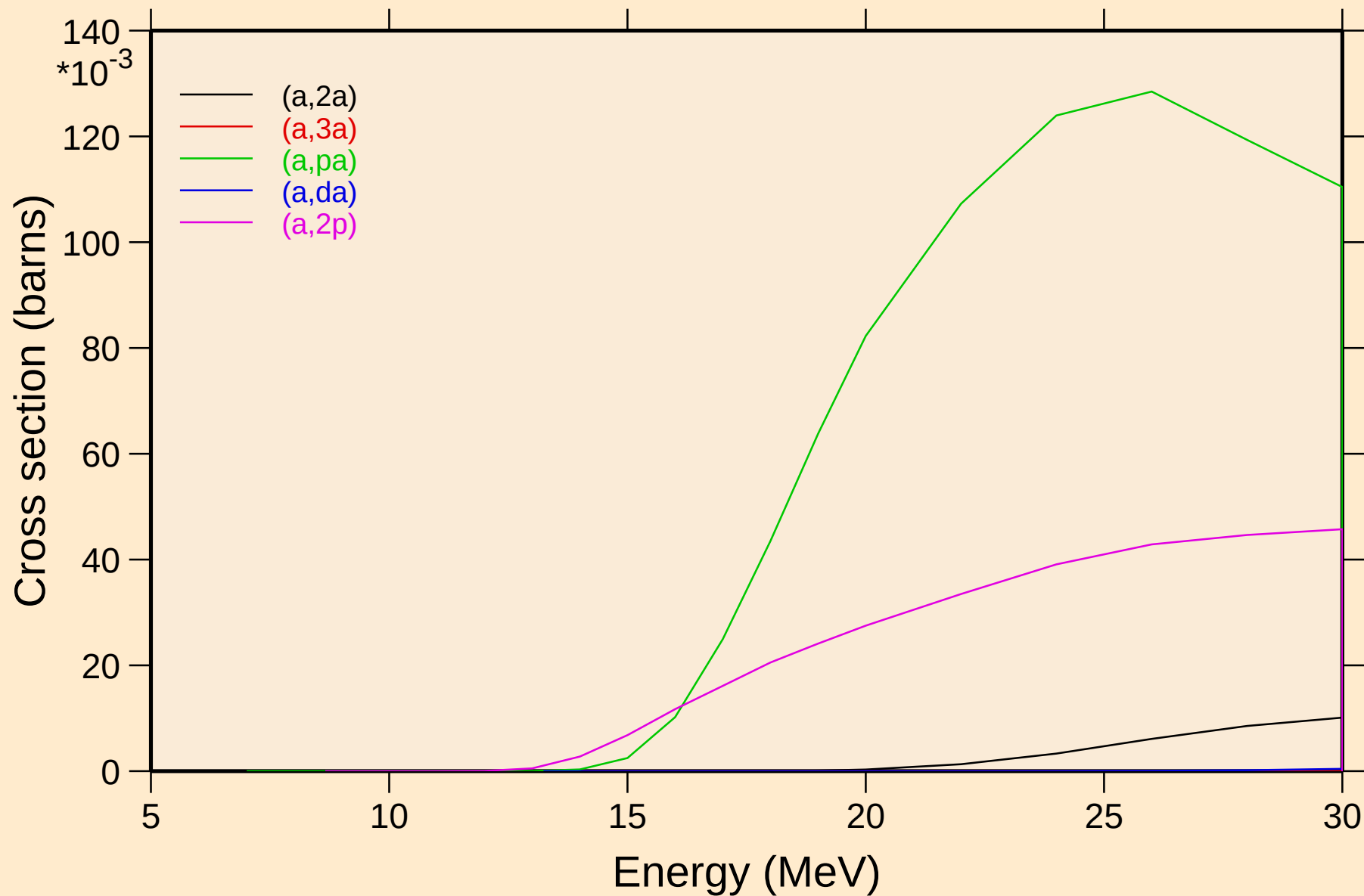


# SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

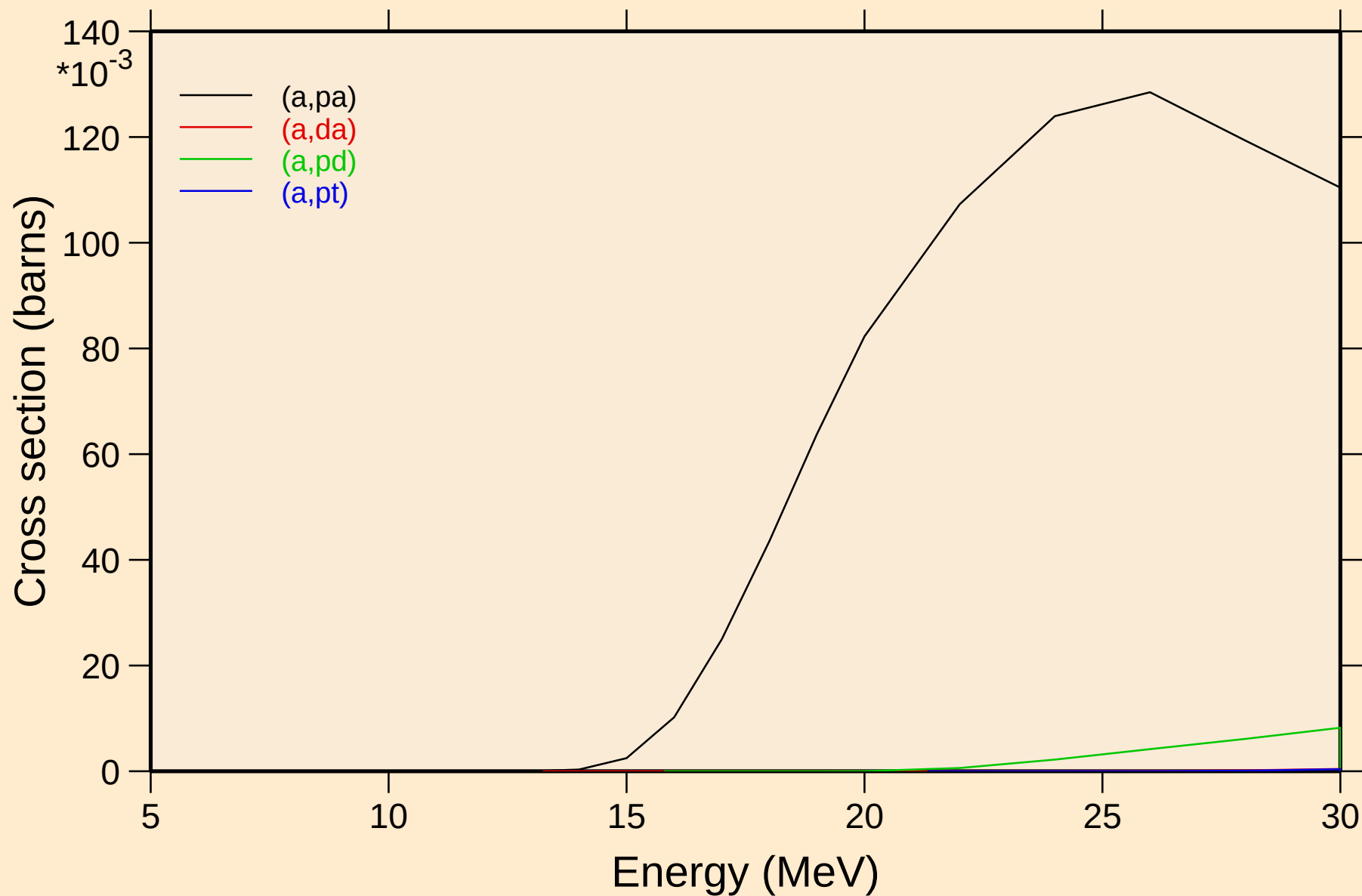
Threshold reactions



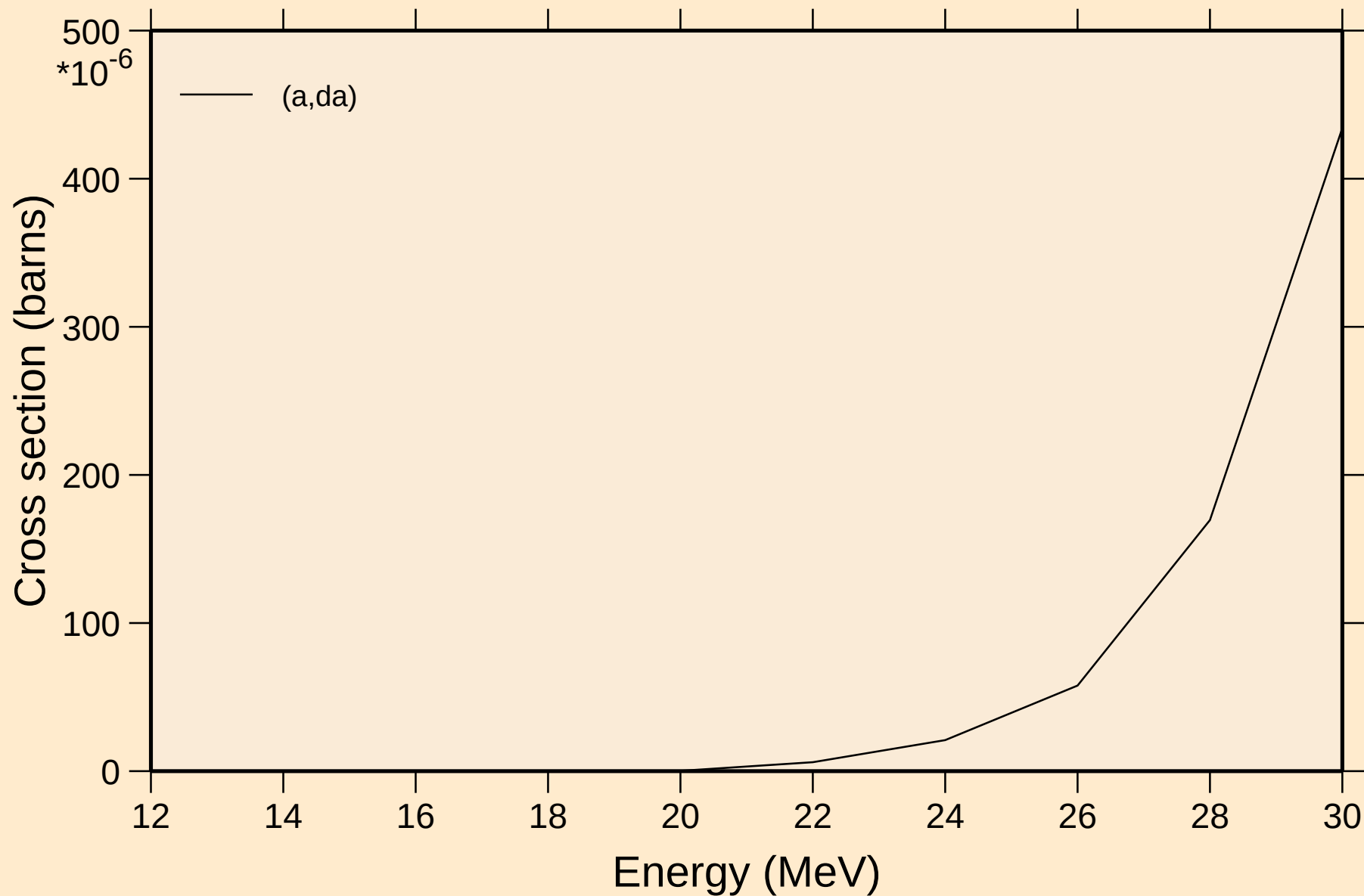
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

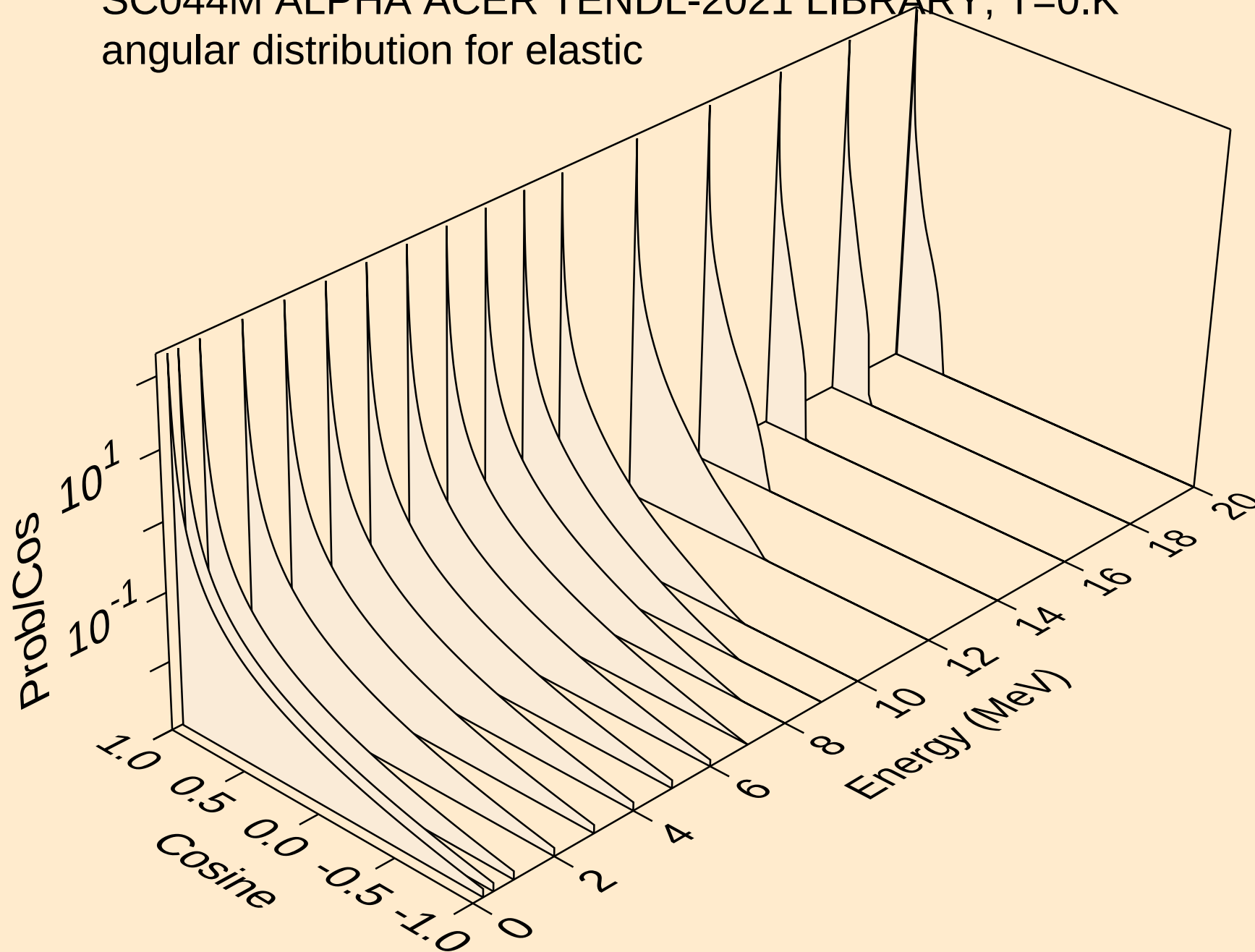


SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

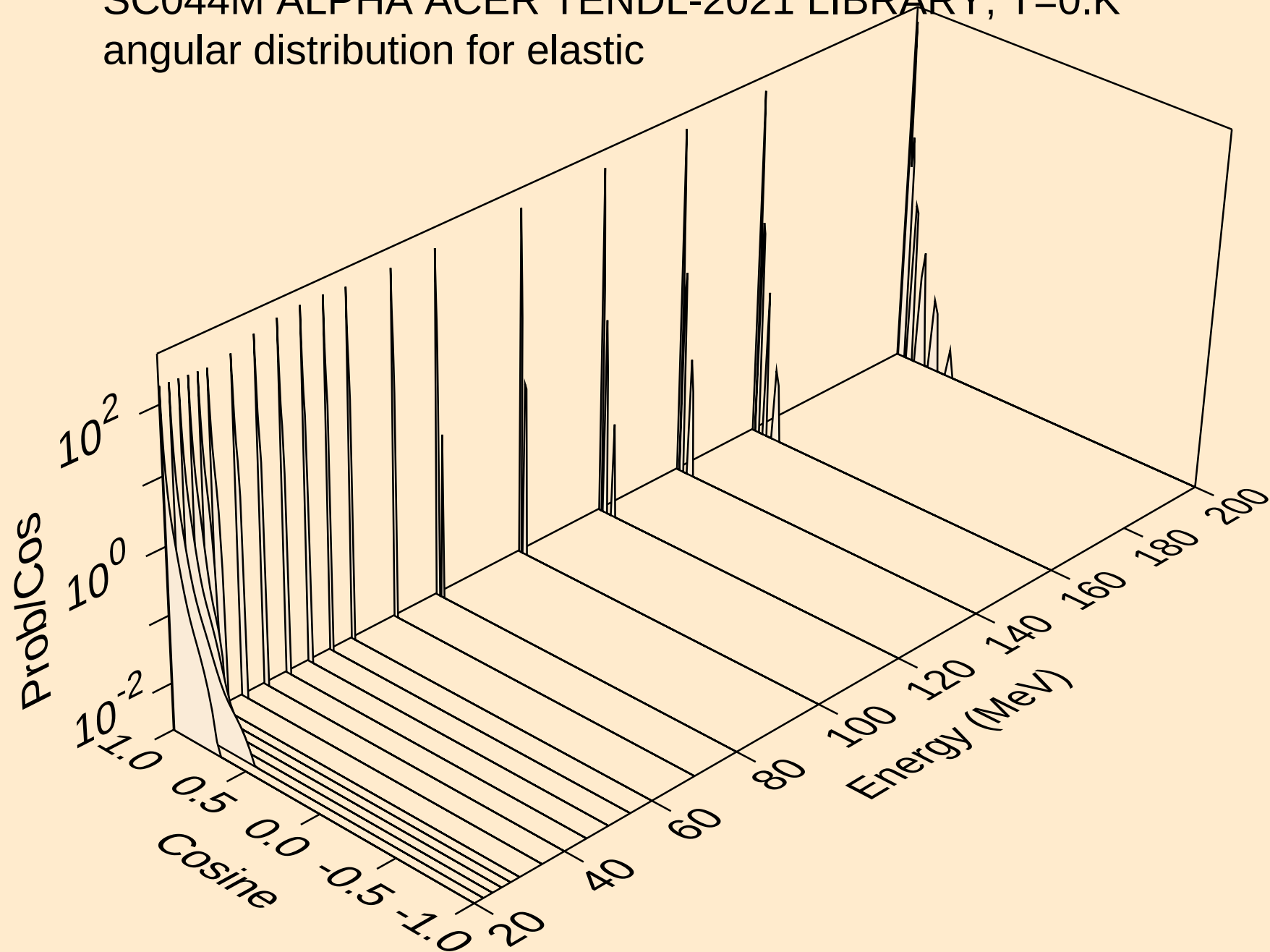




SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic

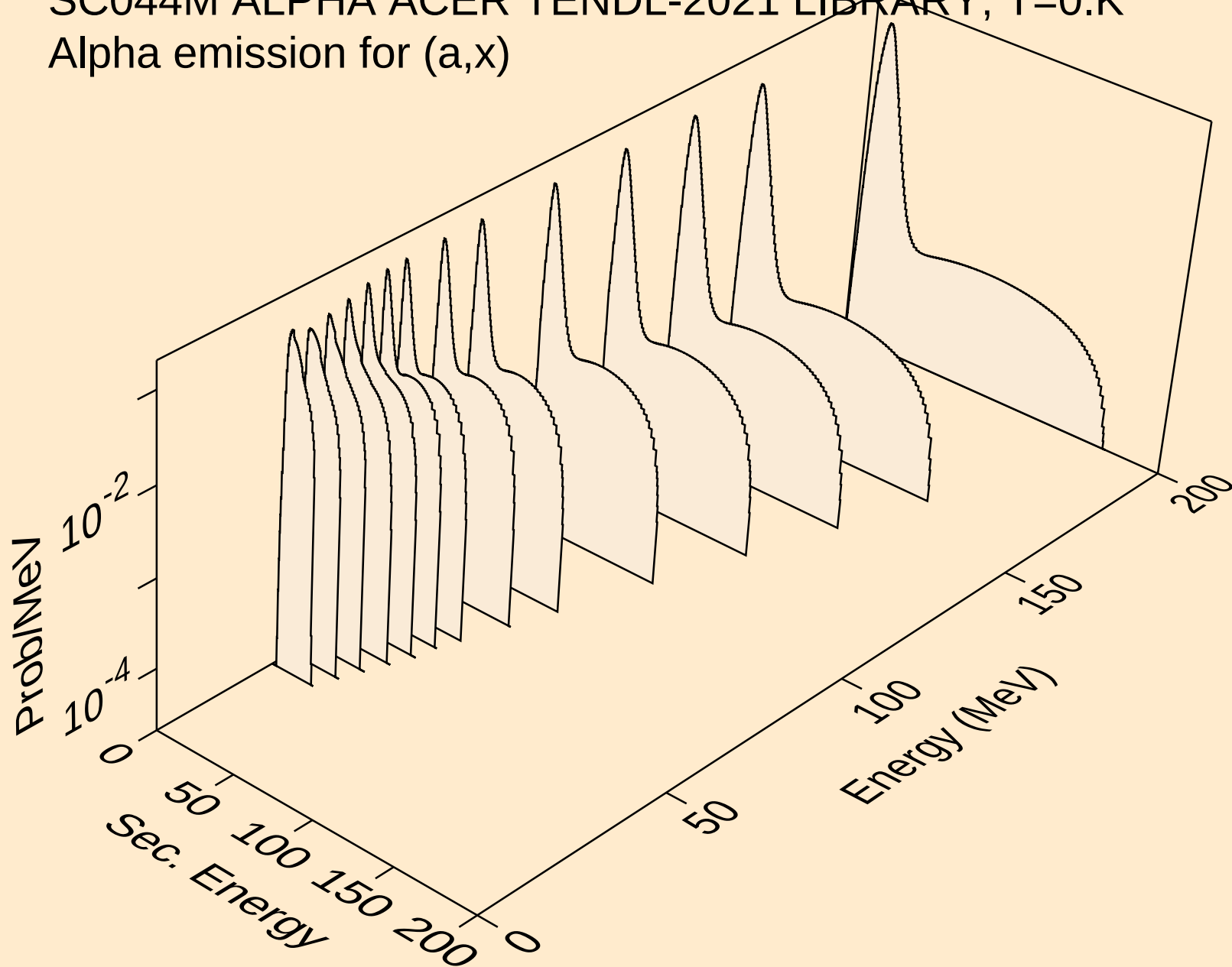


SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic

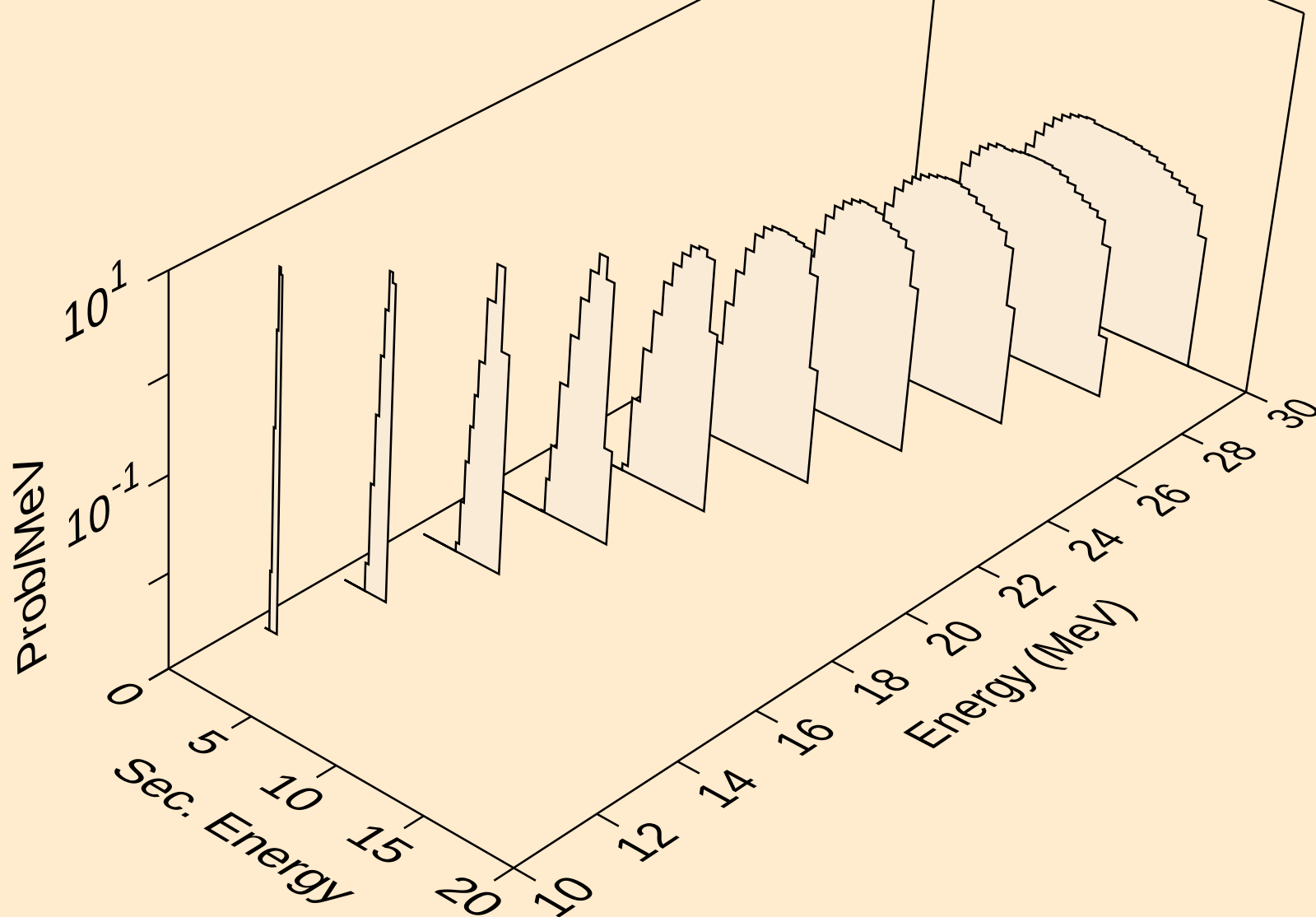


SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Alpha emission for (a,x)

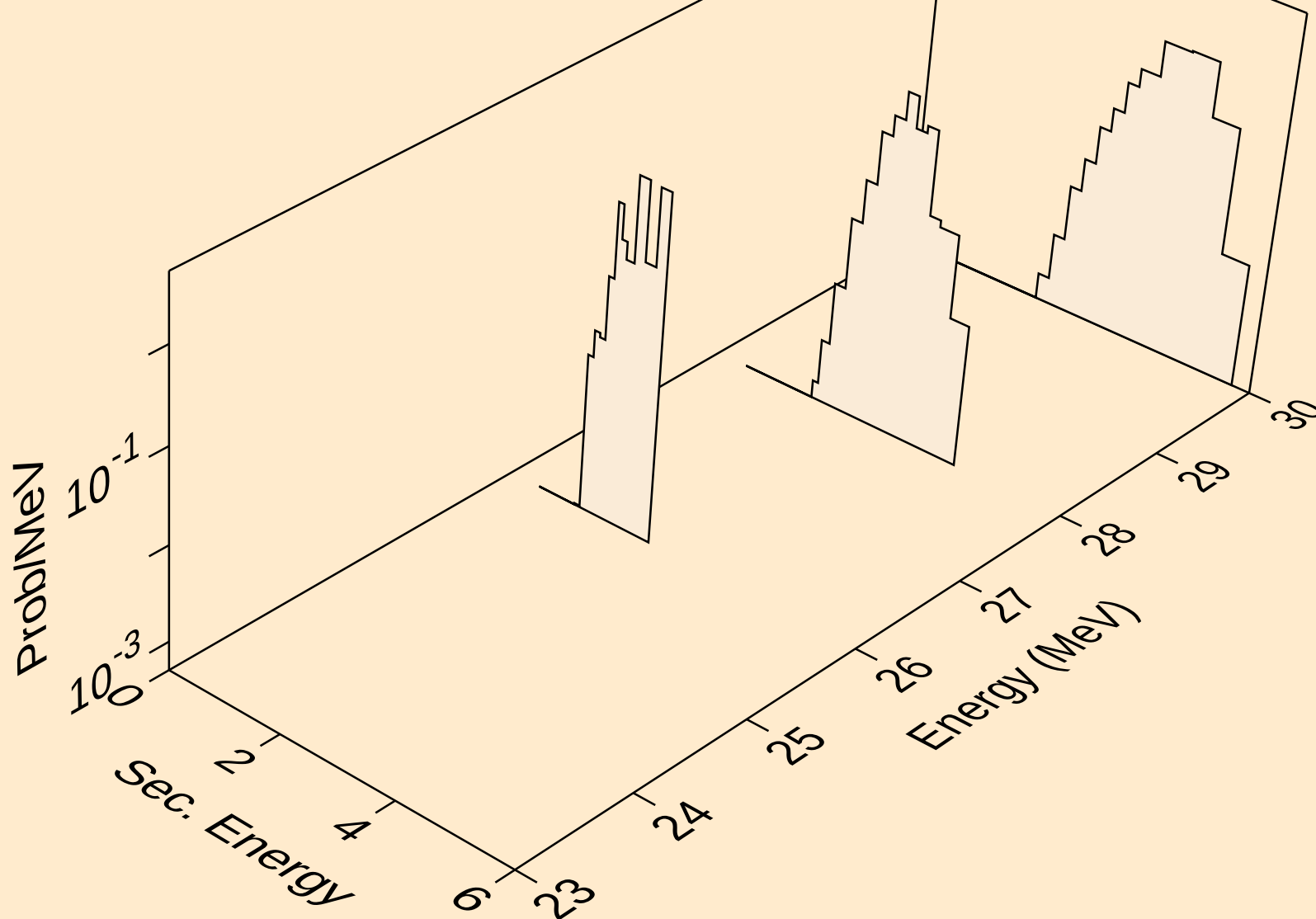


SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,n\*)a

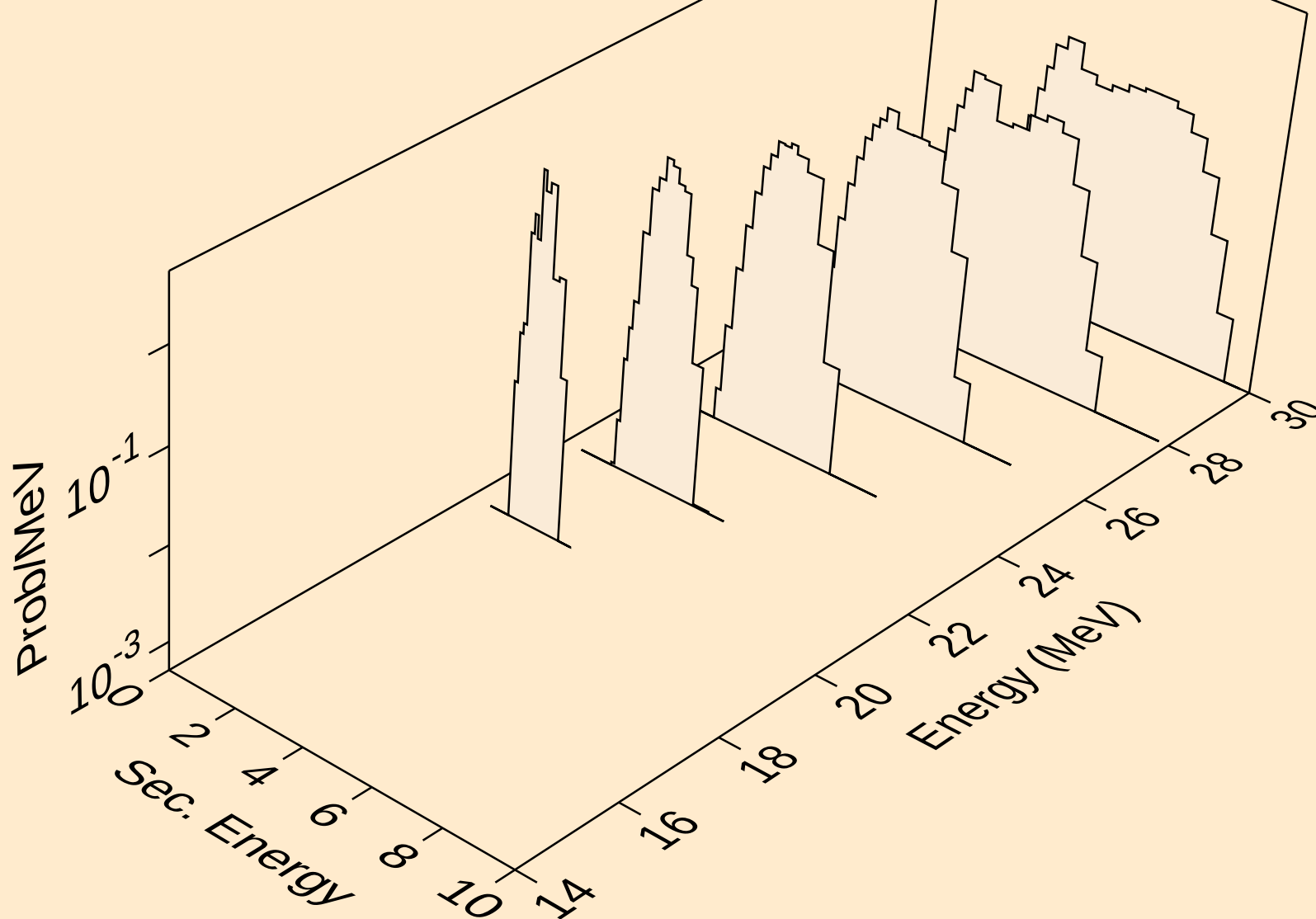


SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

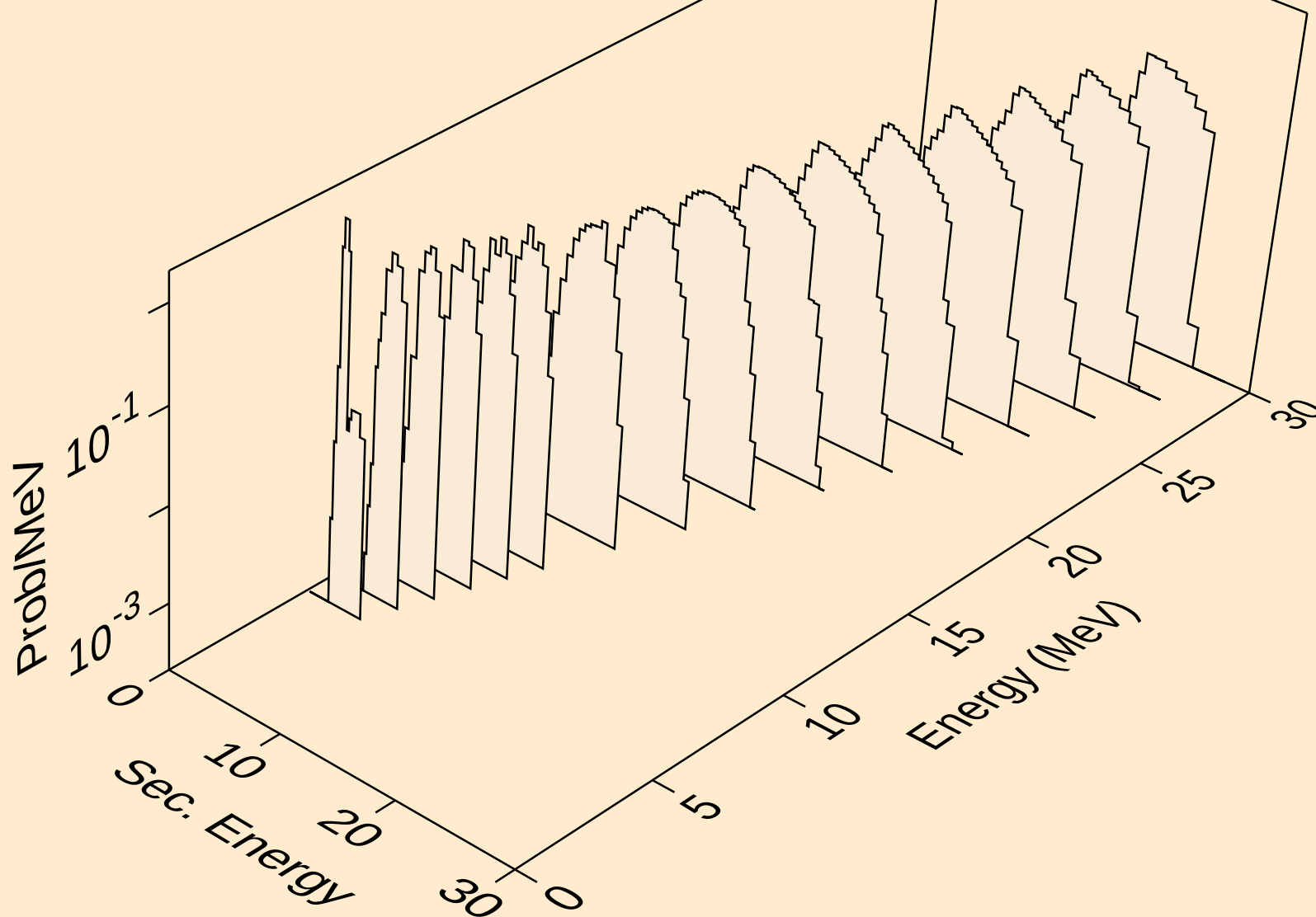
Alpha emission for (a,2n)a



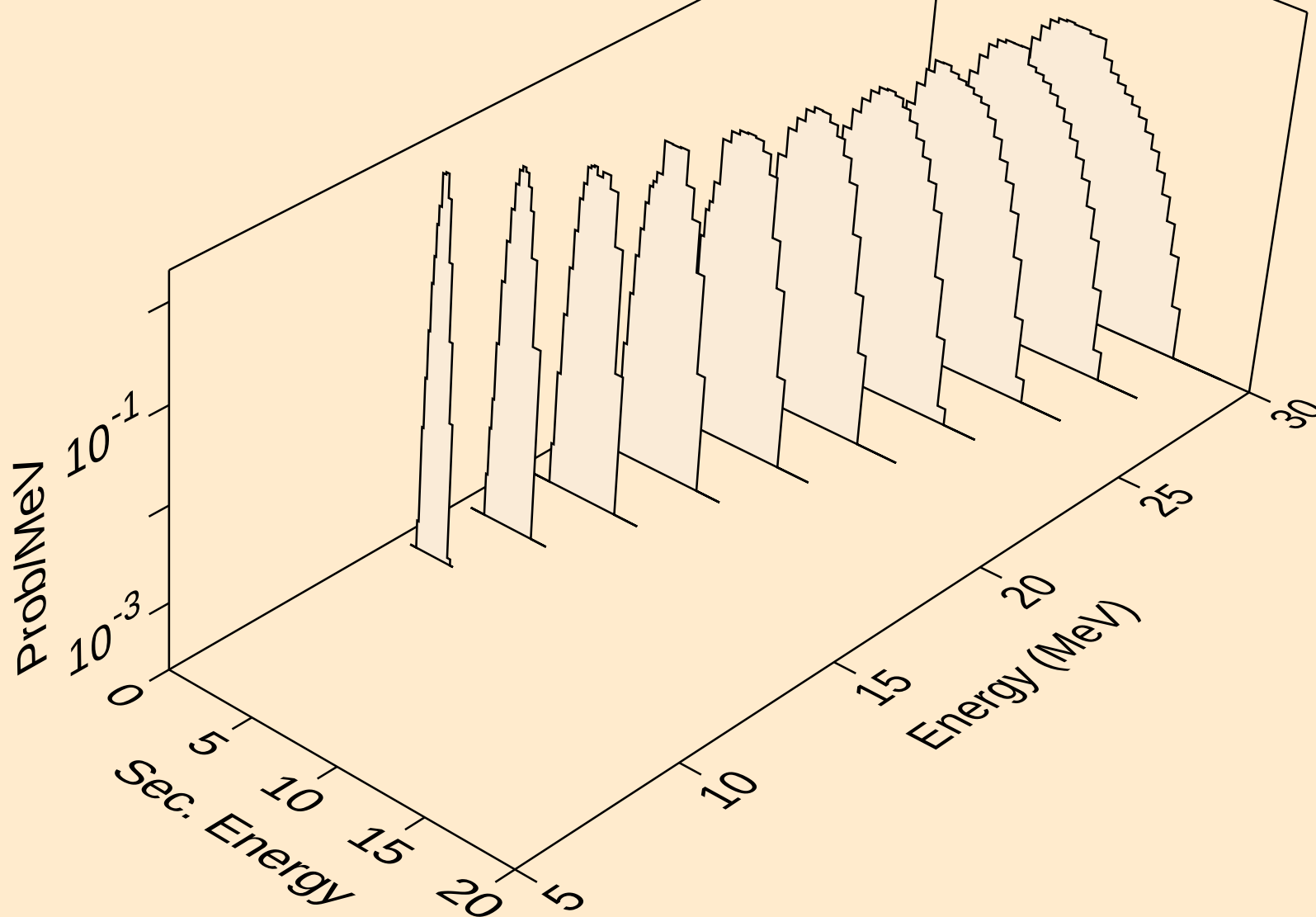
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,n\*)2a



SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for inelastic



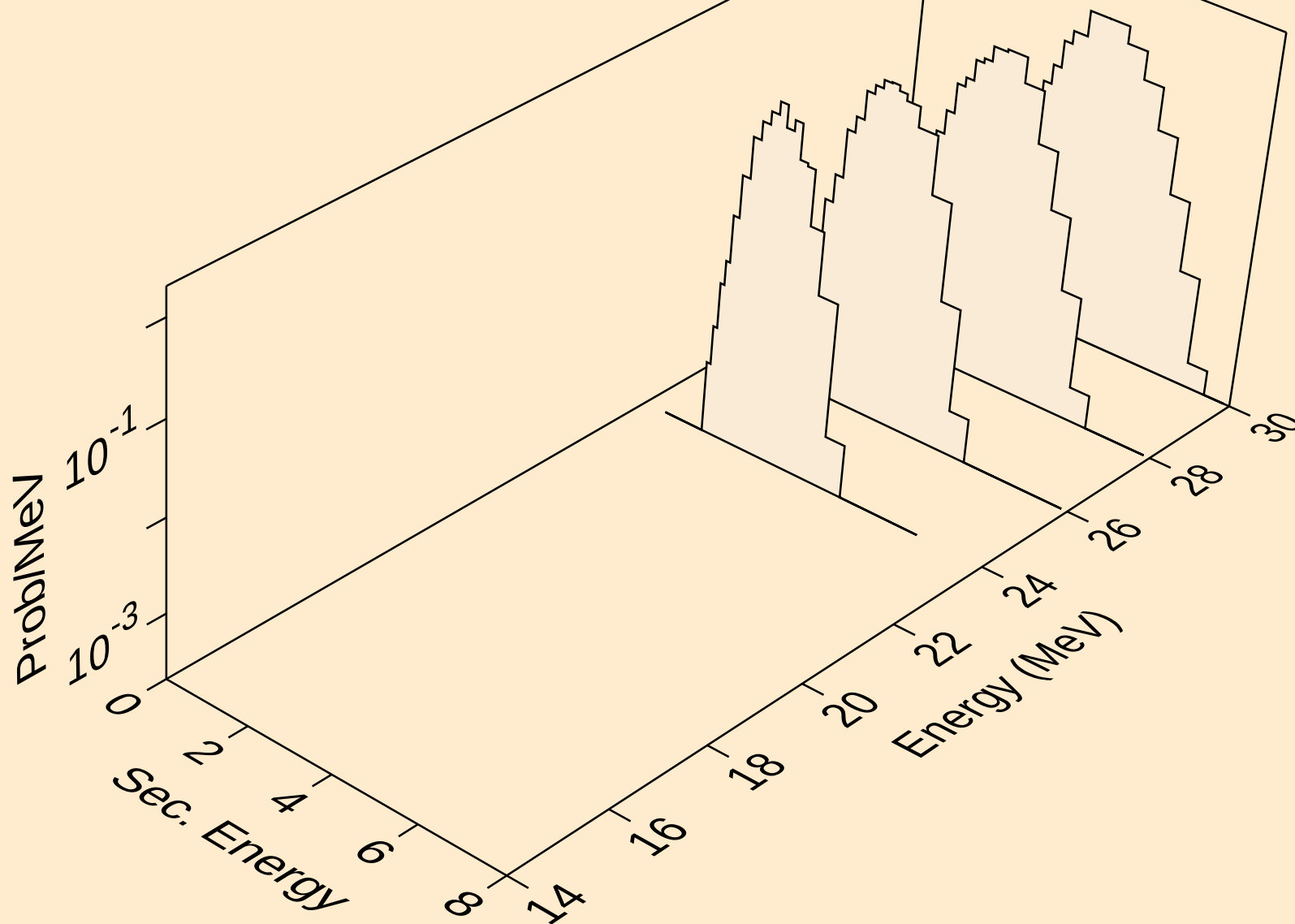
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,2a)



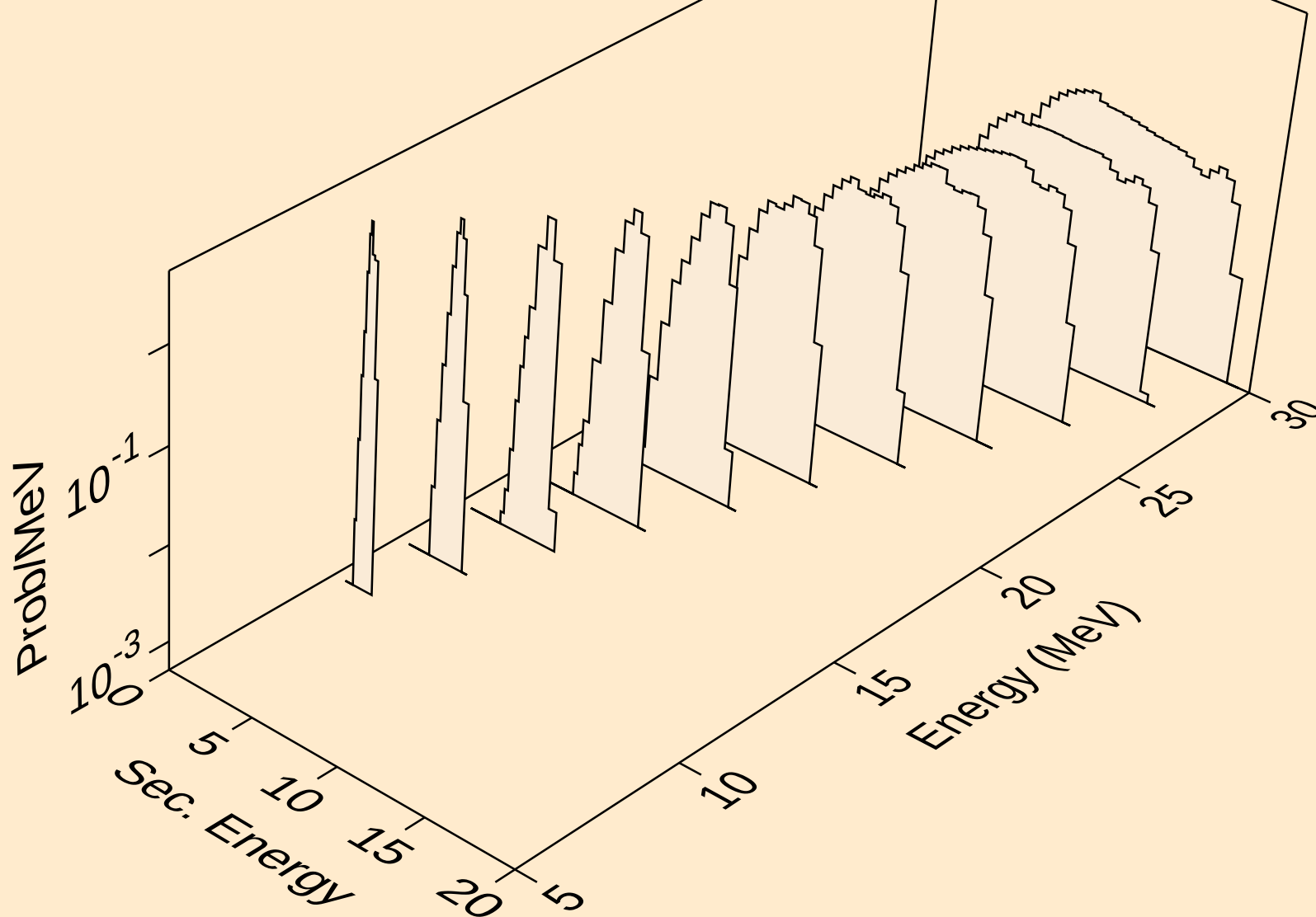


SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

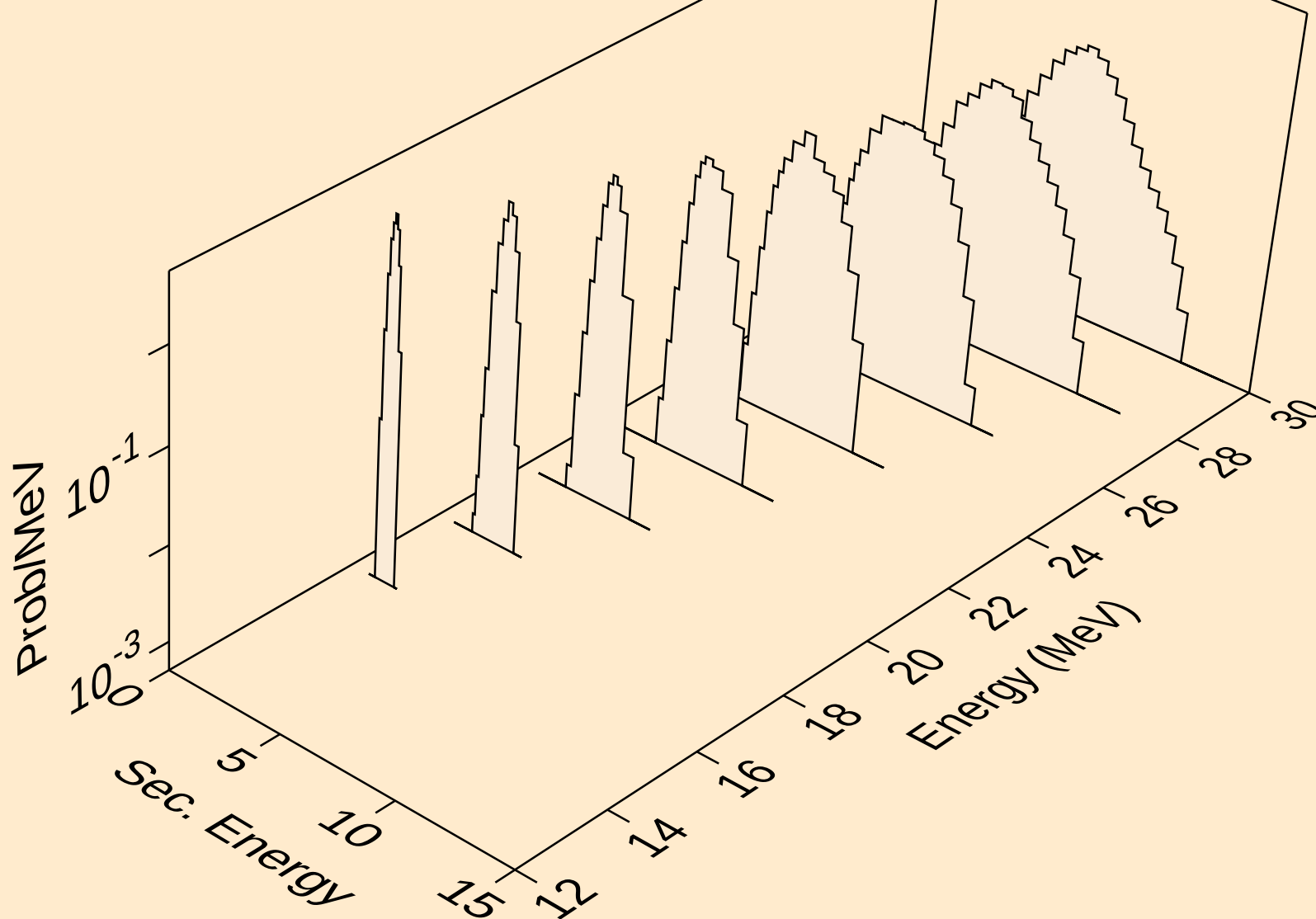
Alpha emission for (a,3a)



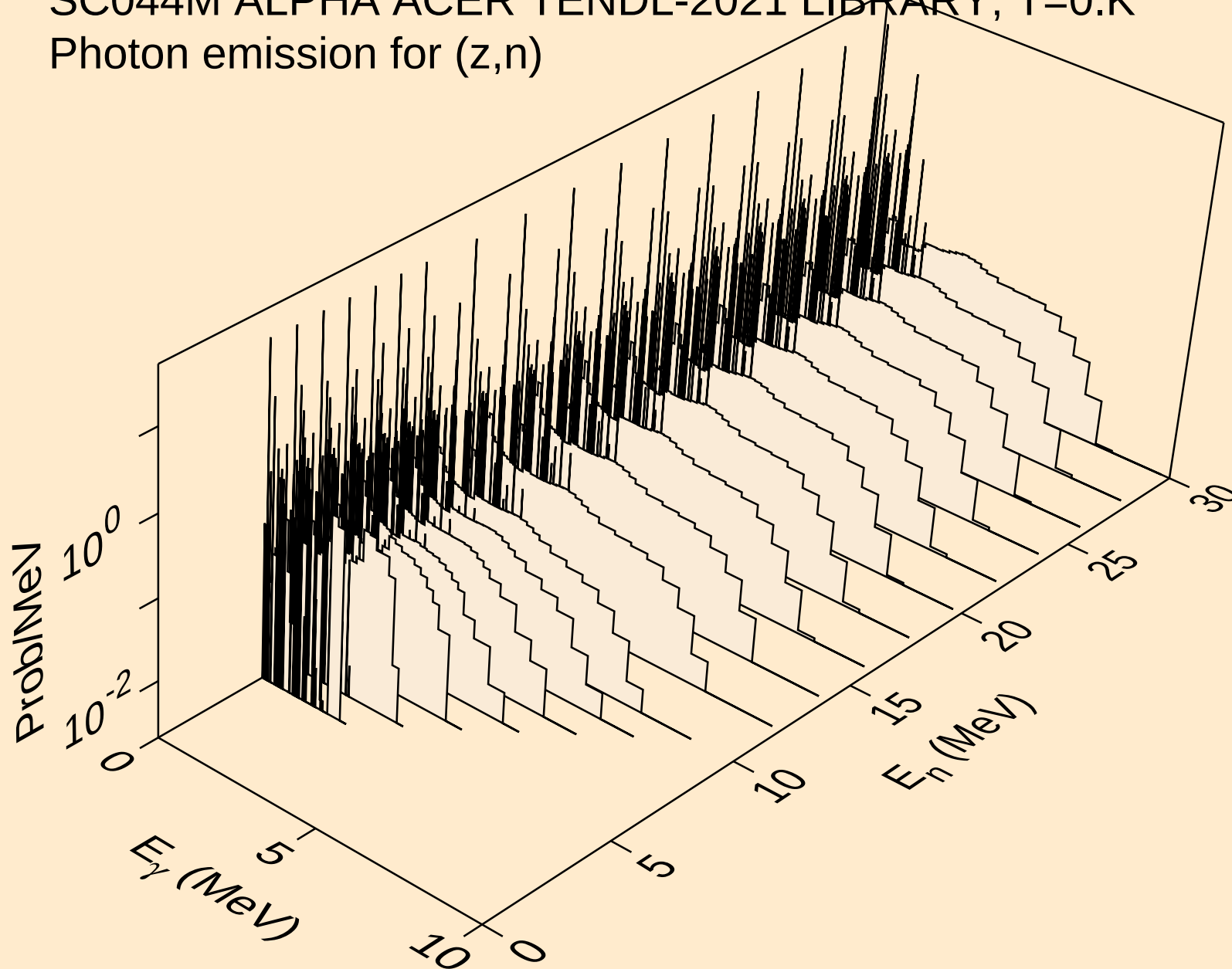
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,pa)



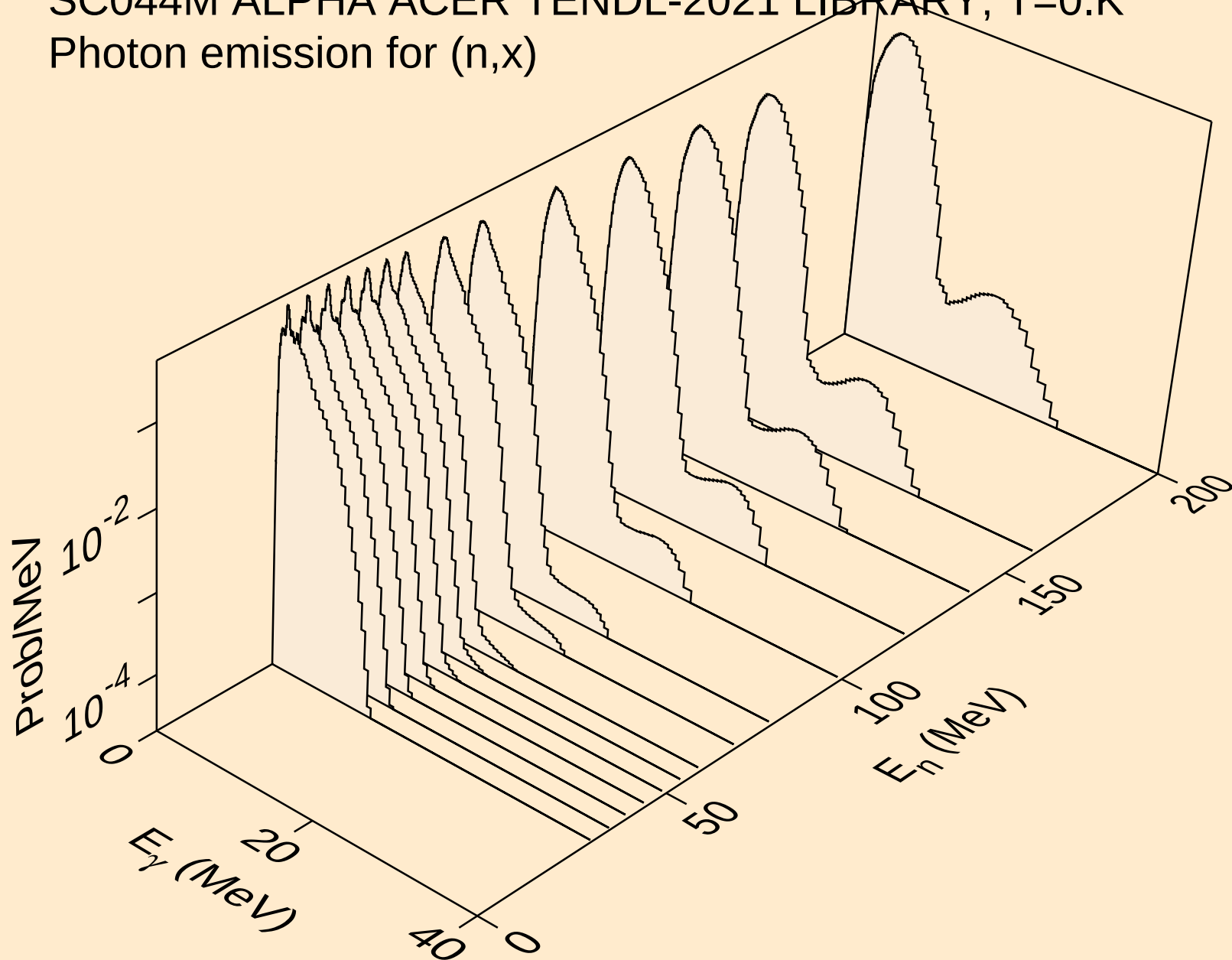
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,da)



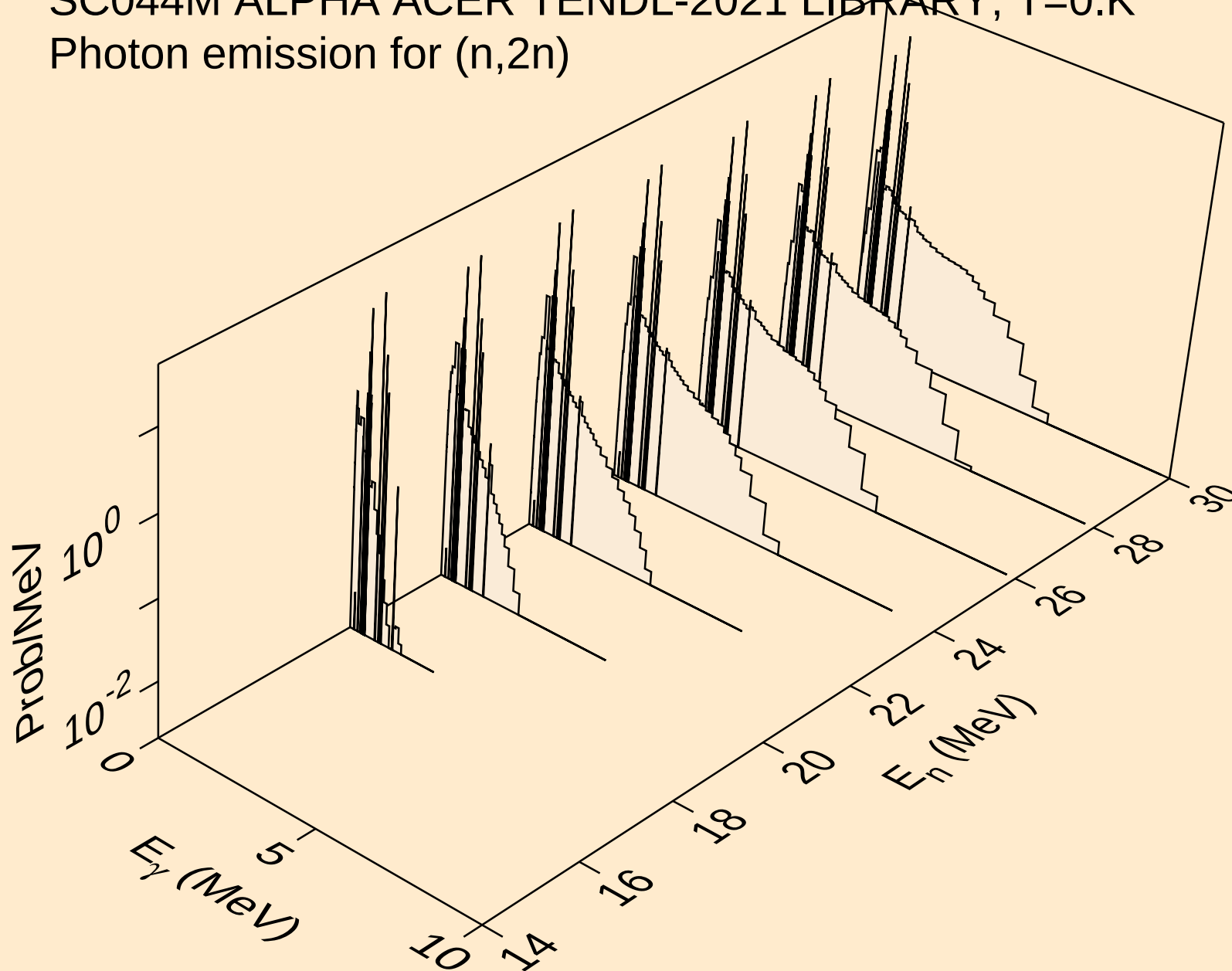
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)



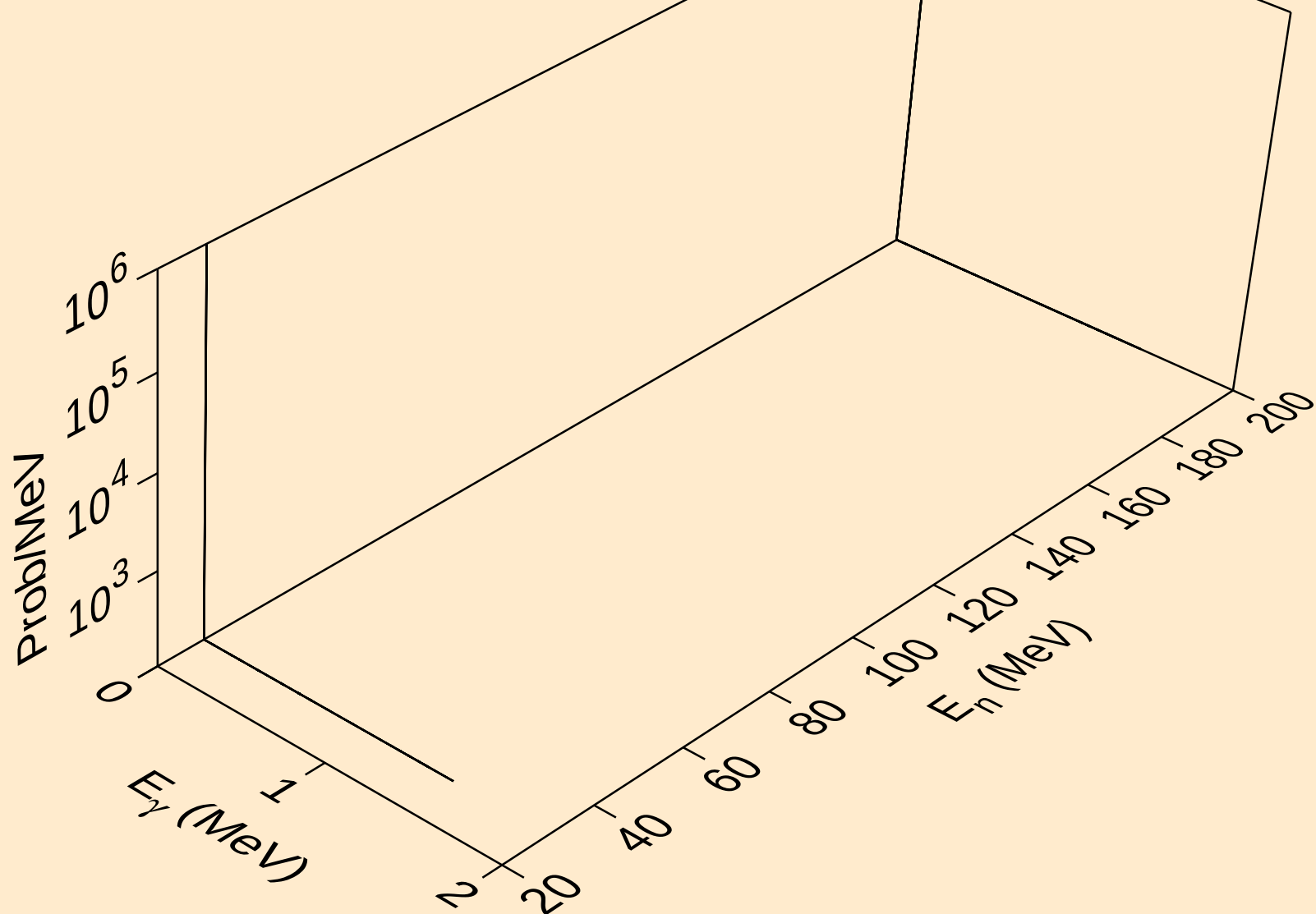
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



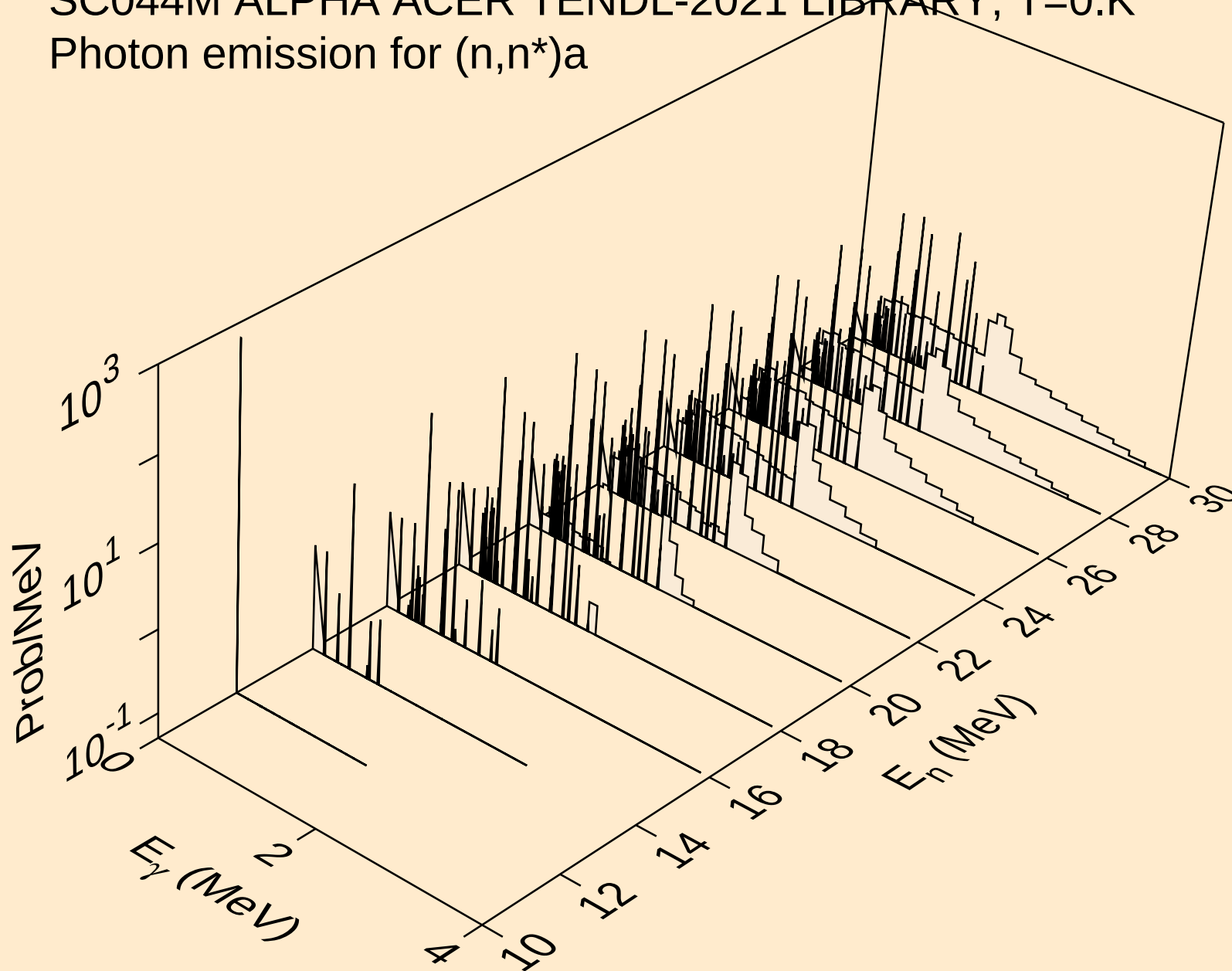
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)



SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)



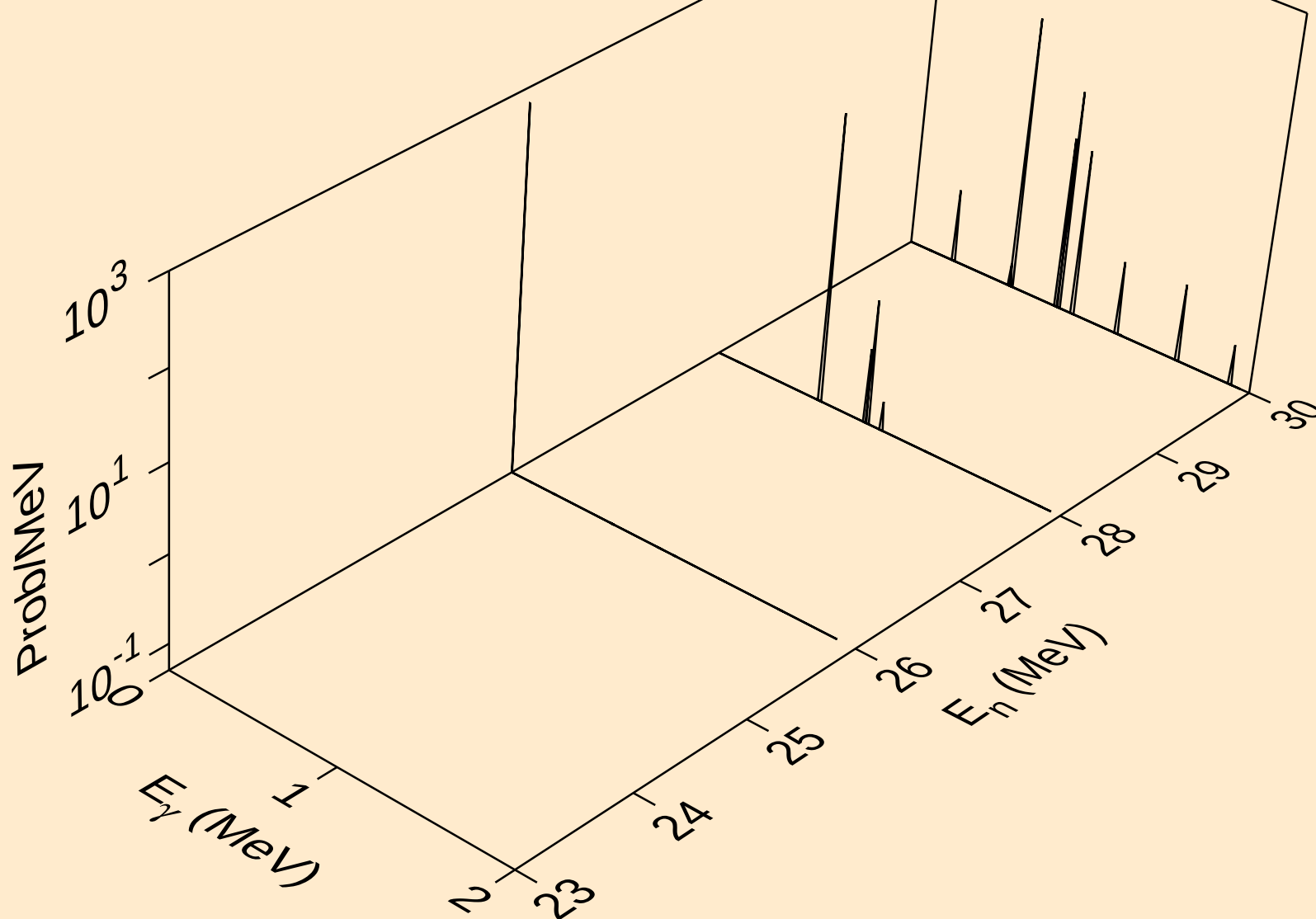
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



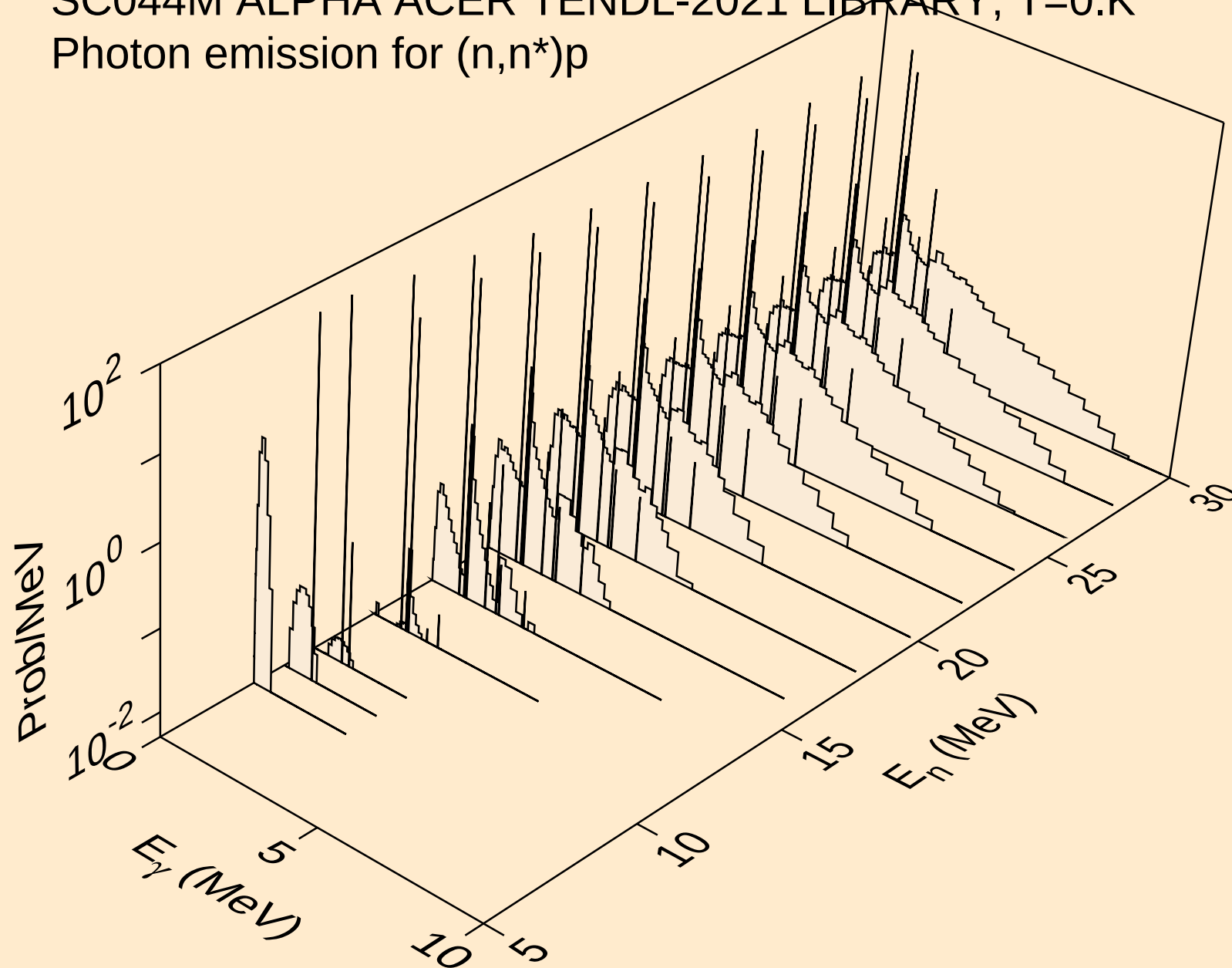


SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

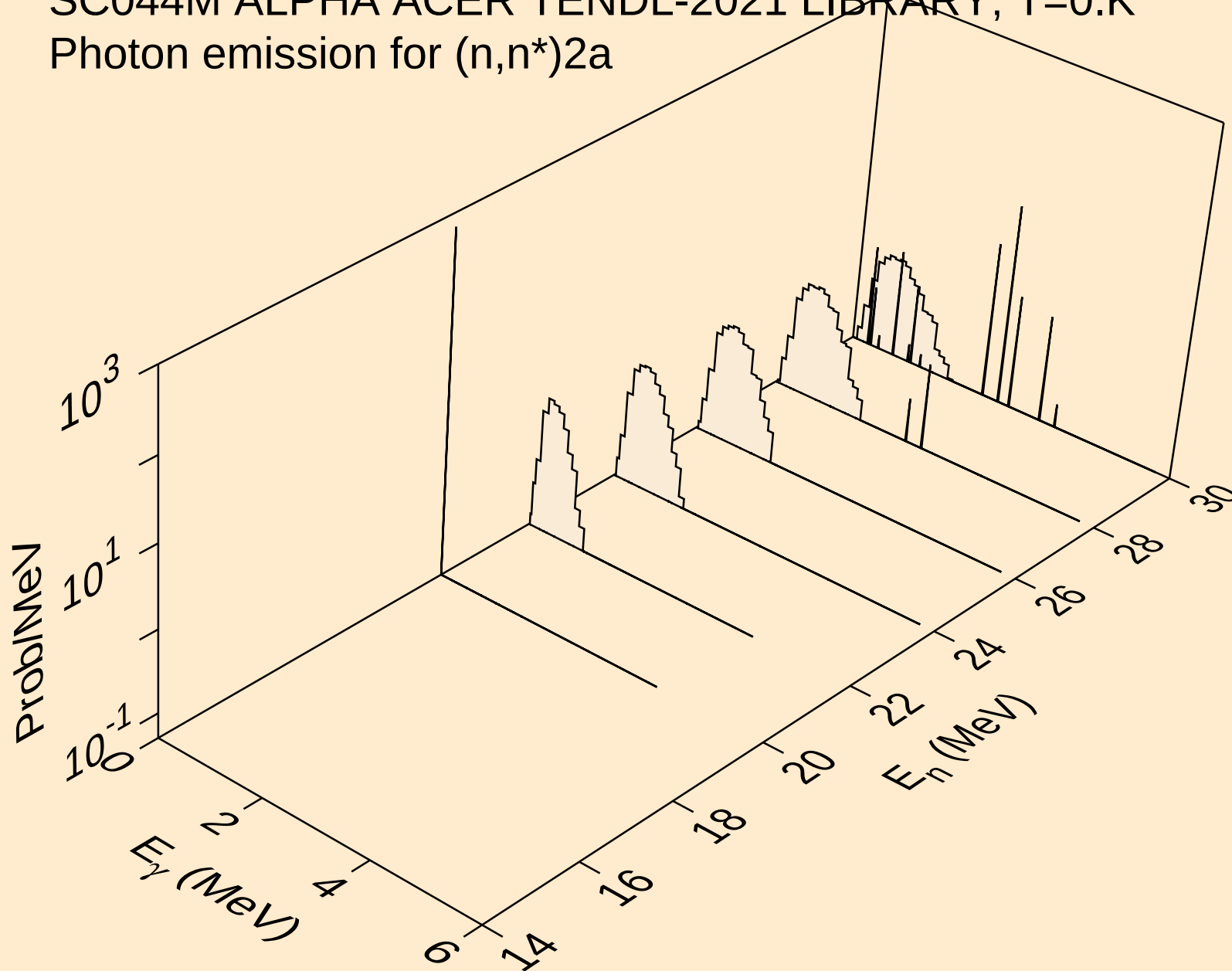
Photon emission for (n,2n) $\alpha$



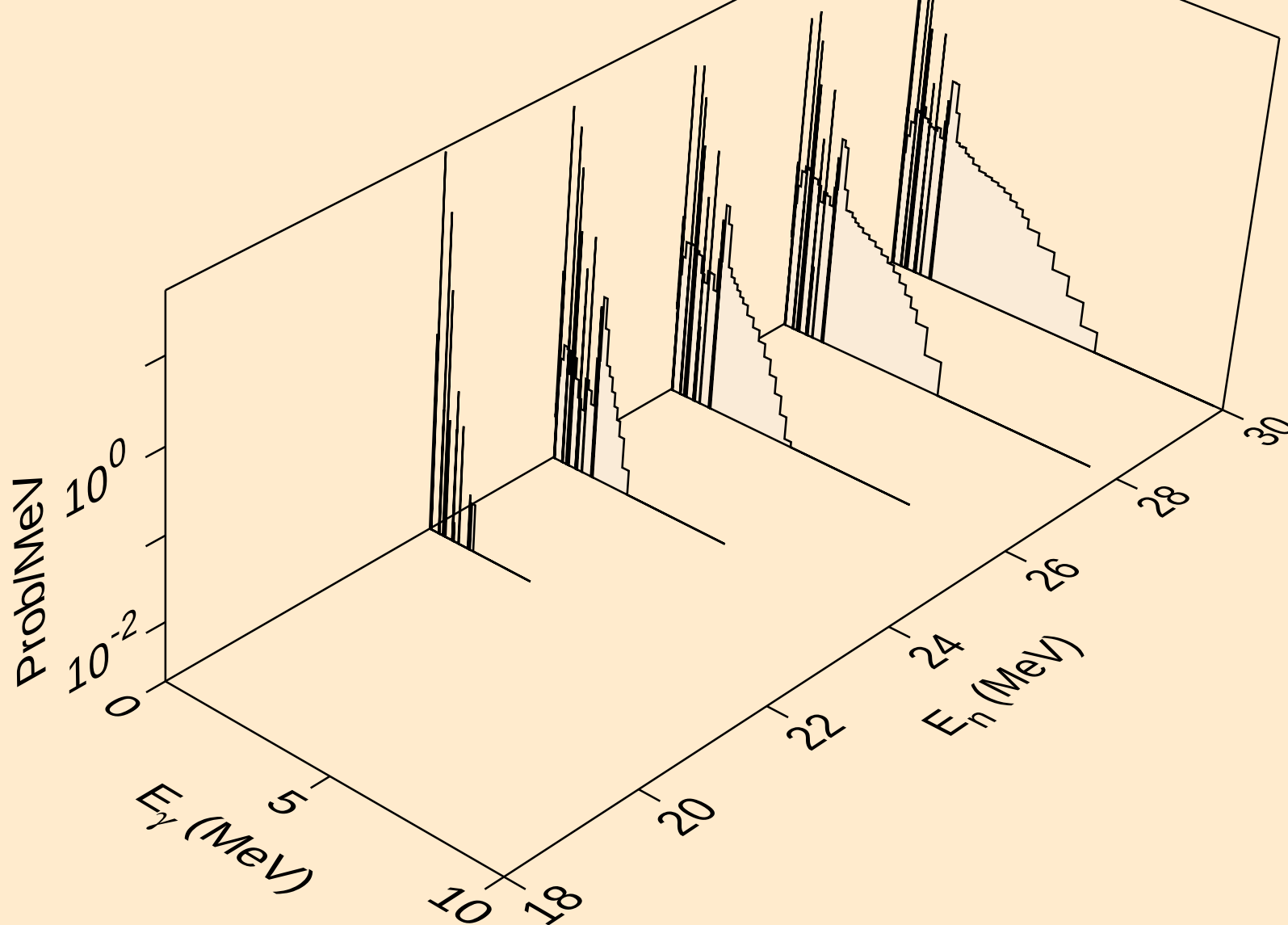
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

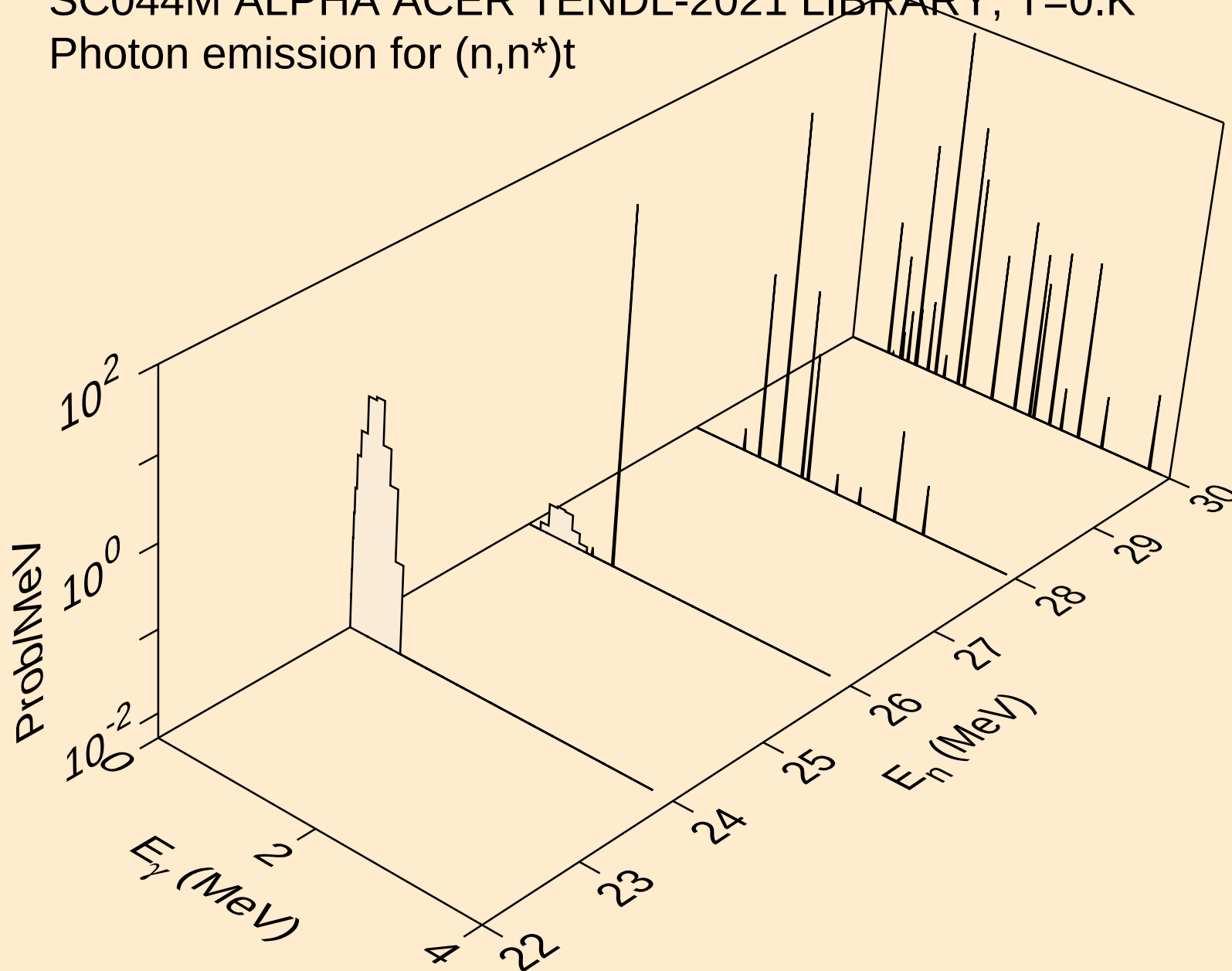


SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

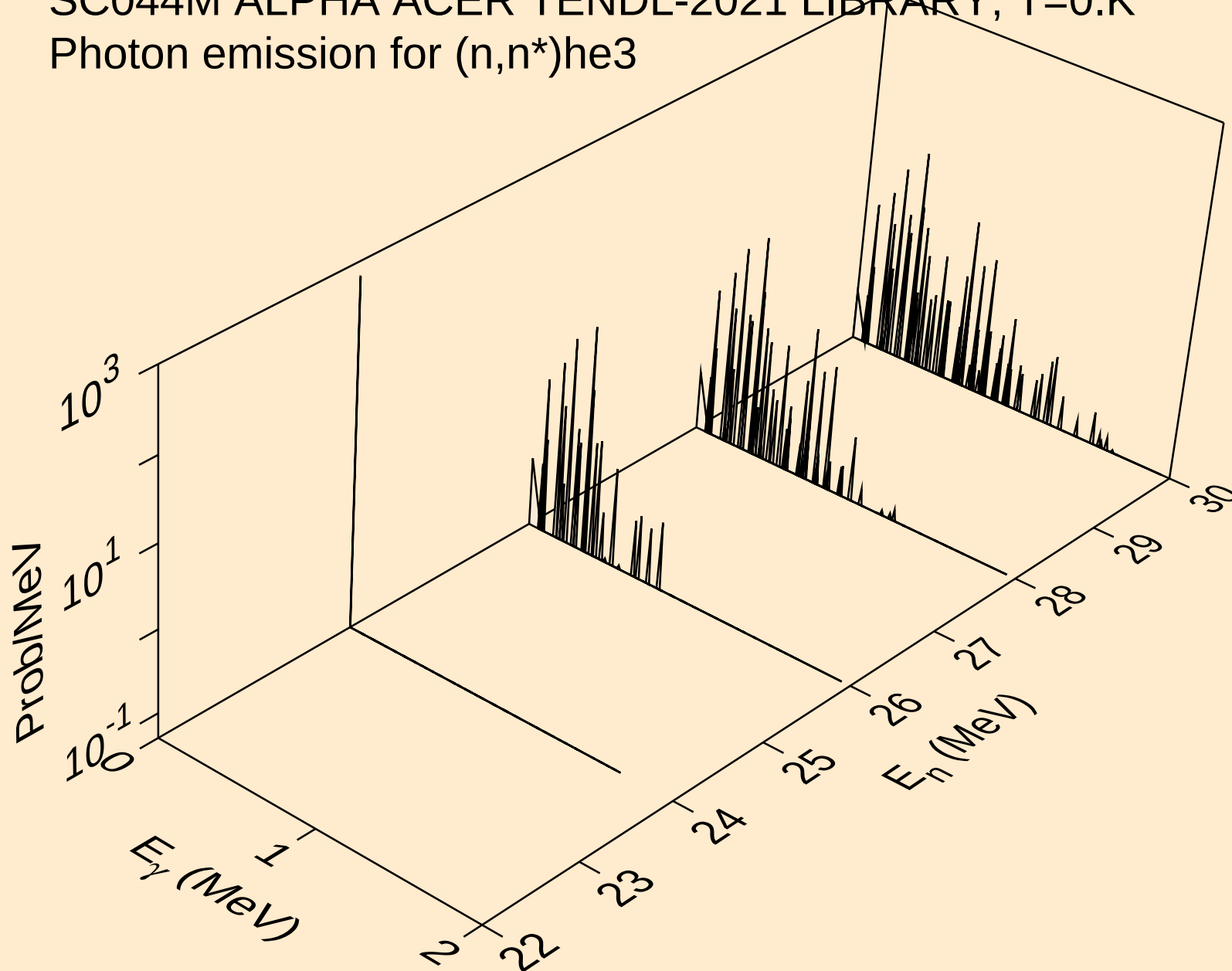


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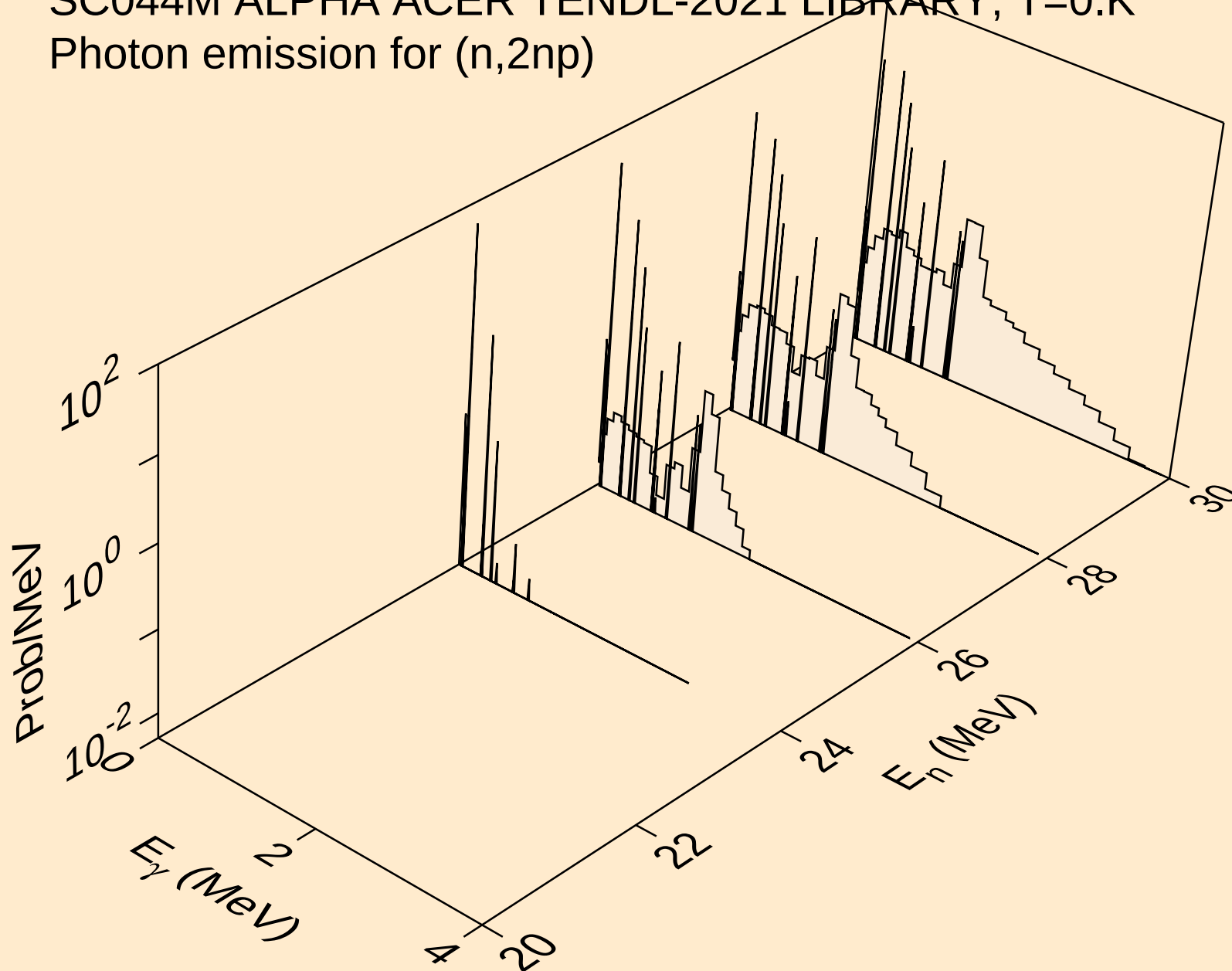
Photon emission for (n,n\*)t



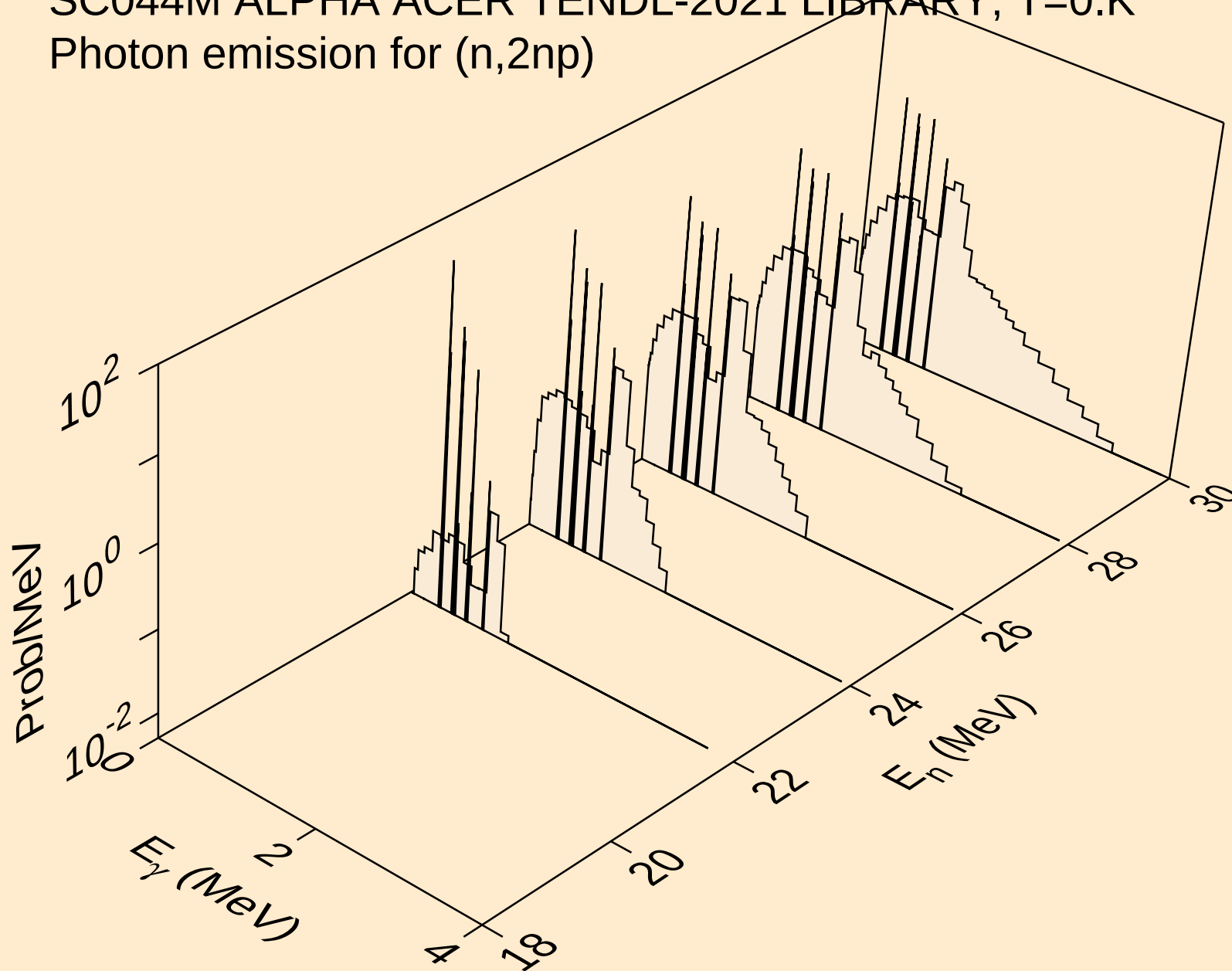
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)

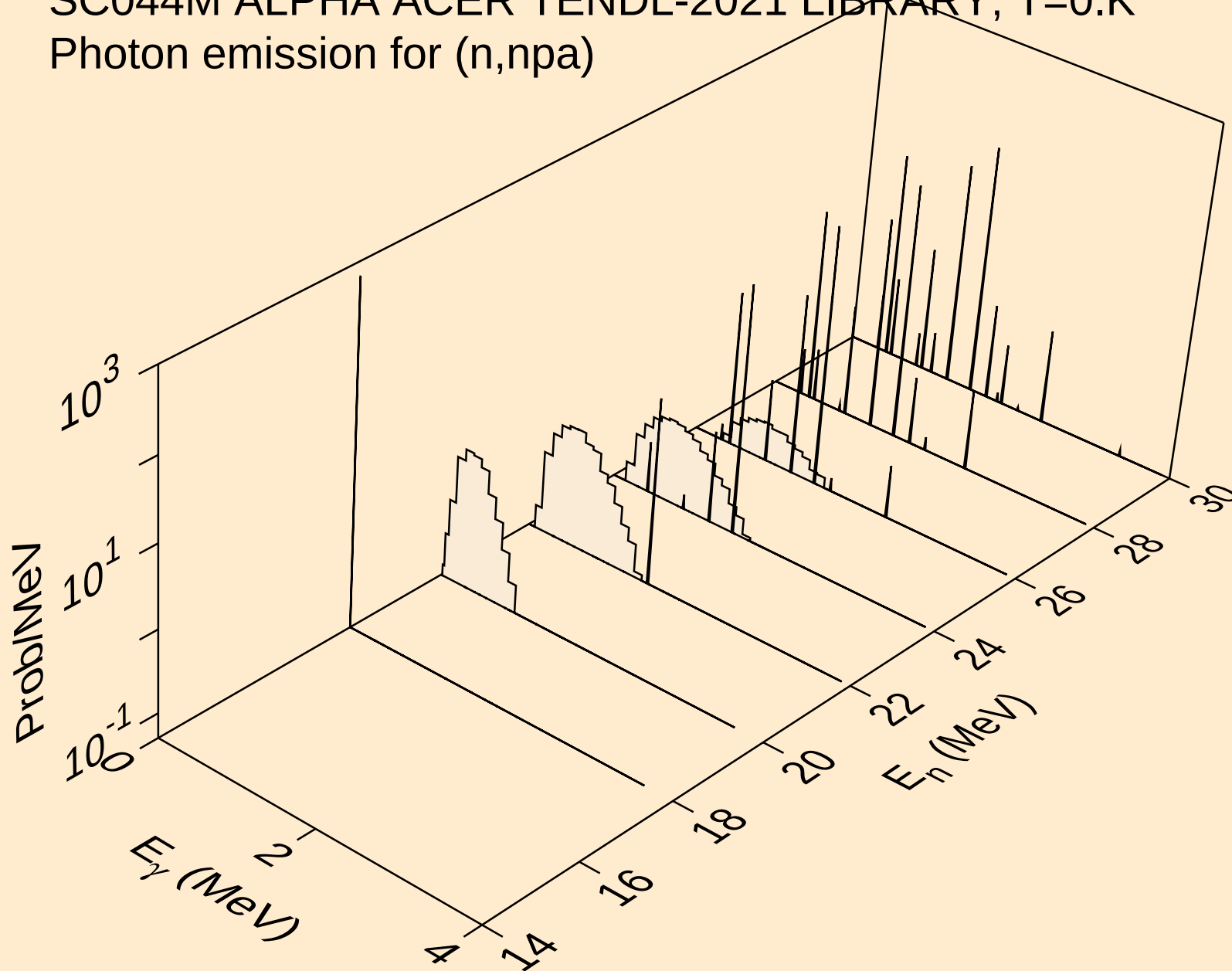


SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)

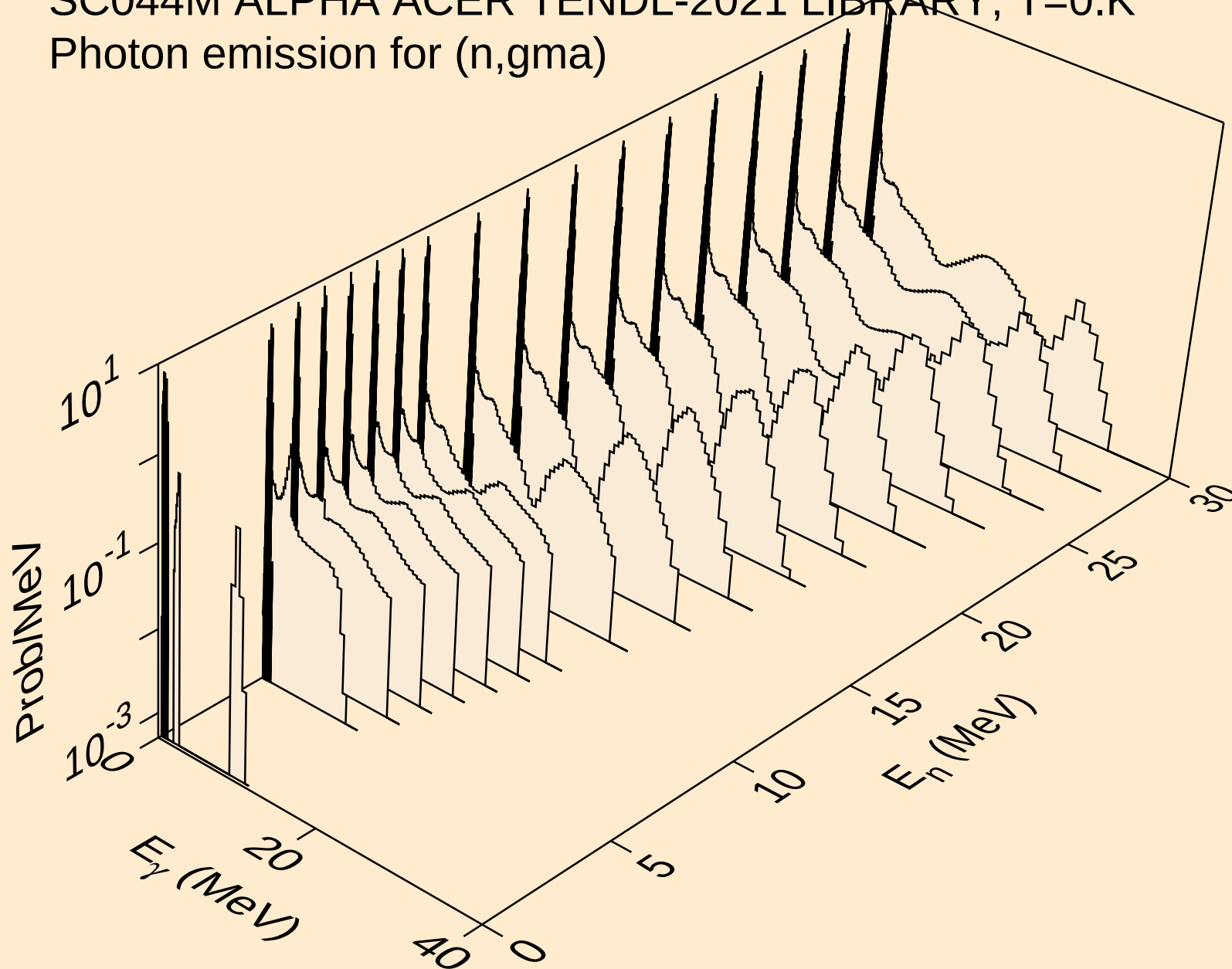




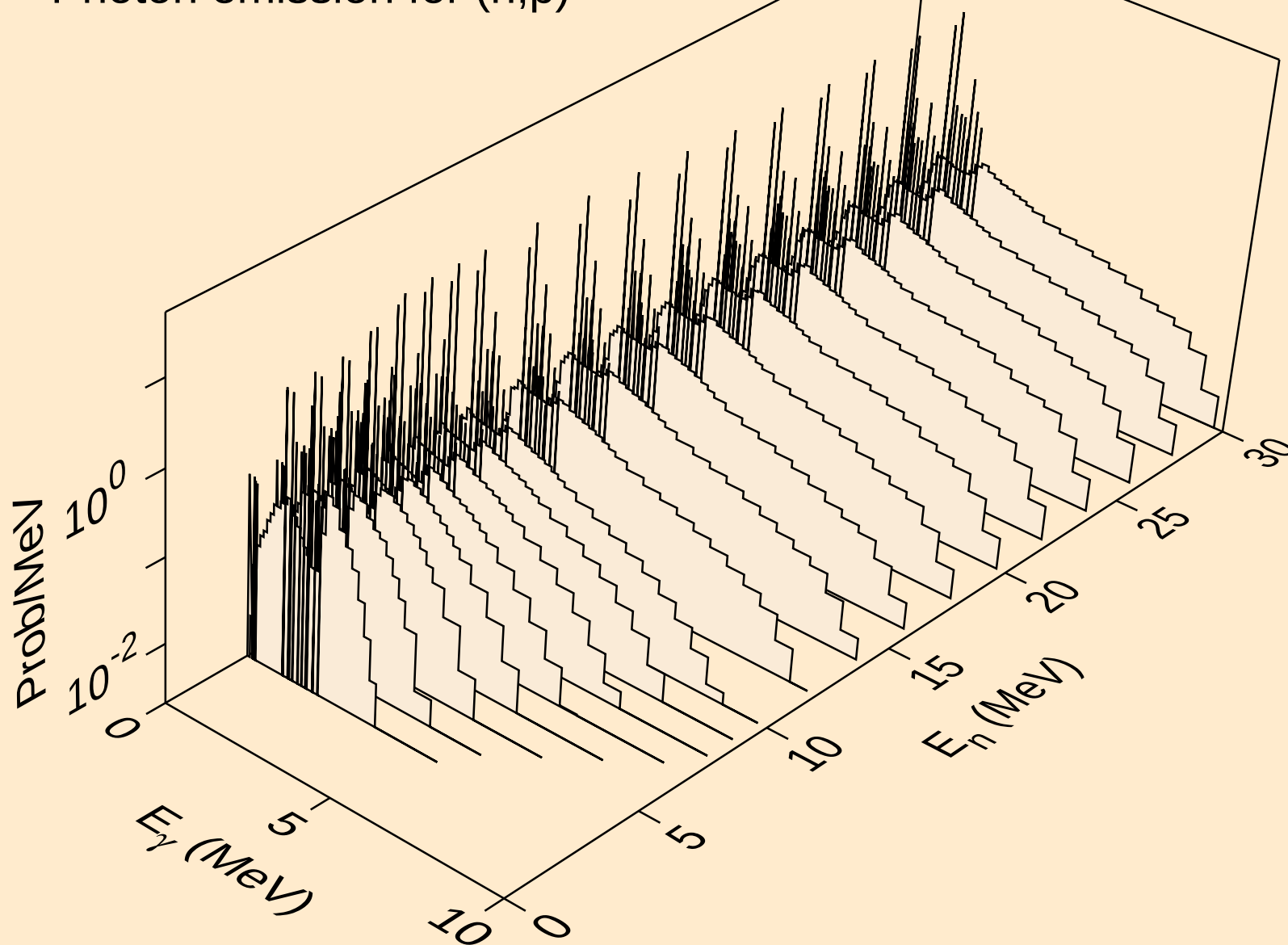
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,npa)



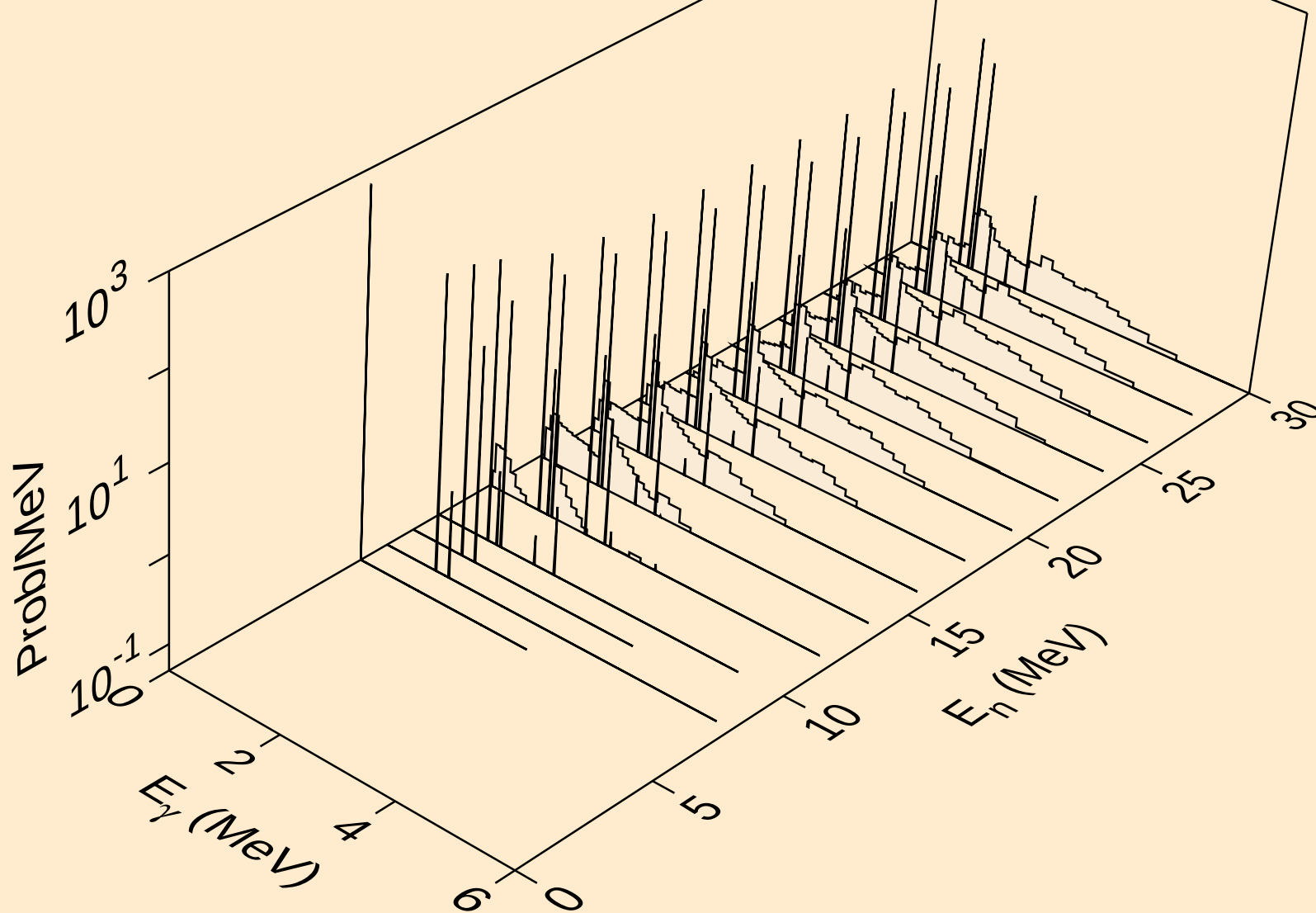
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Photon emission for (n,gma)



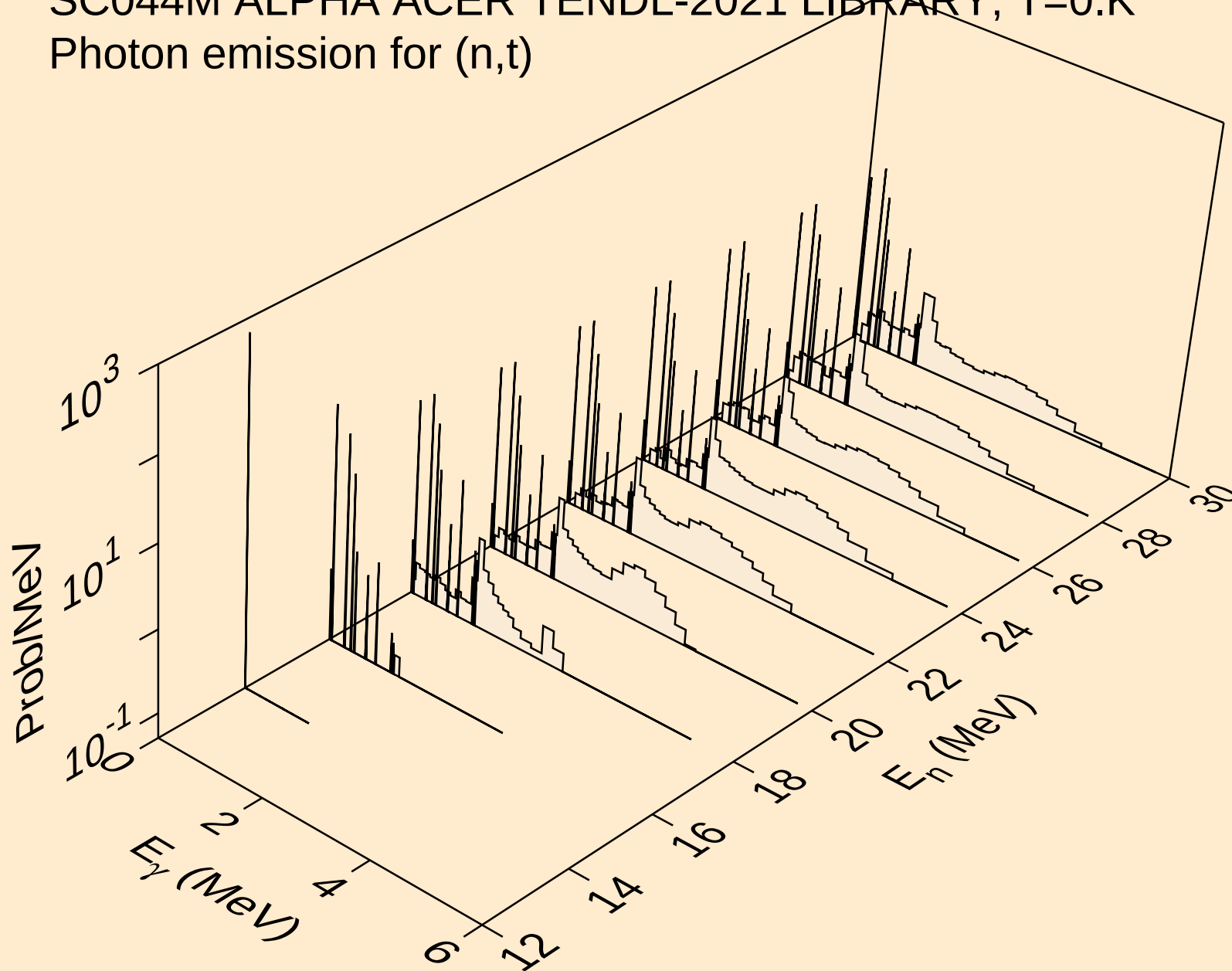
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Photon emission for (n,p)



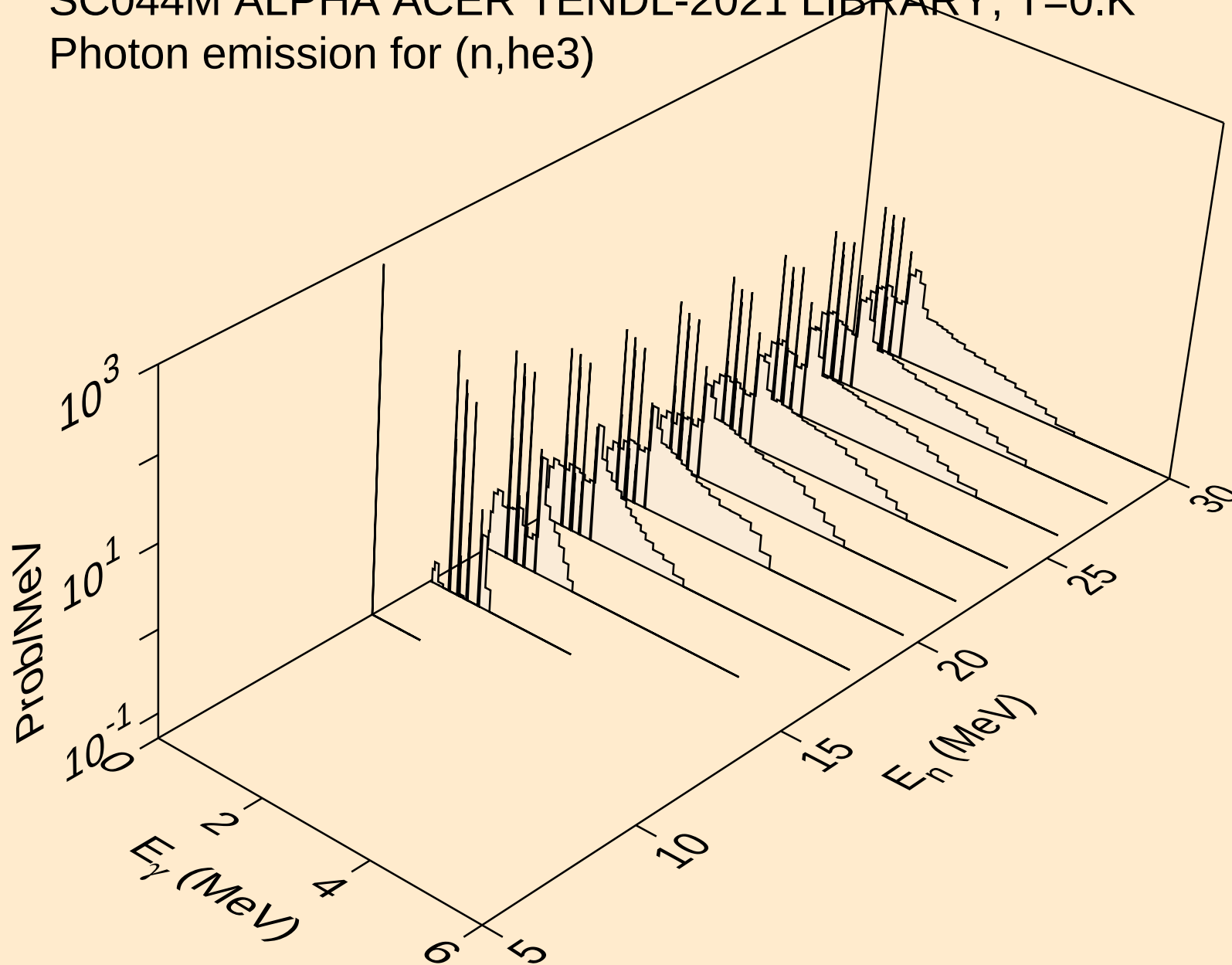
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Photon emission for (n,d)



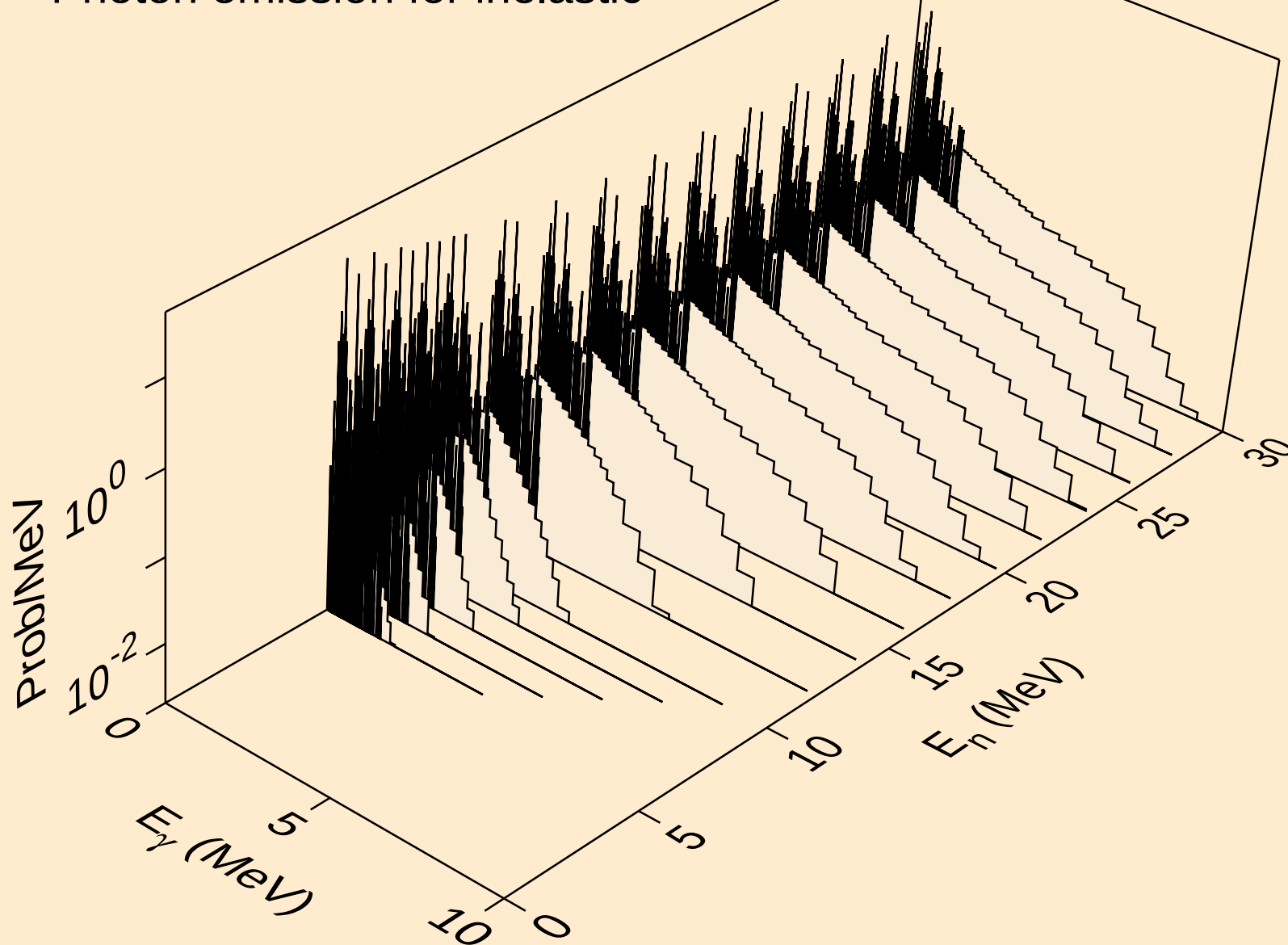
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Photon emission for (n,t)



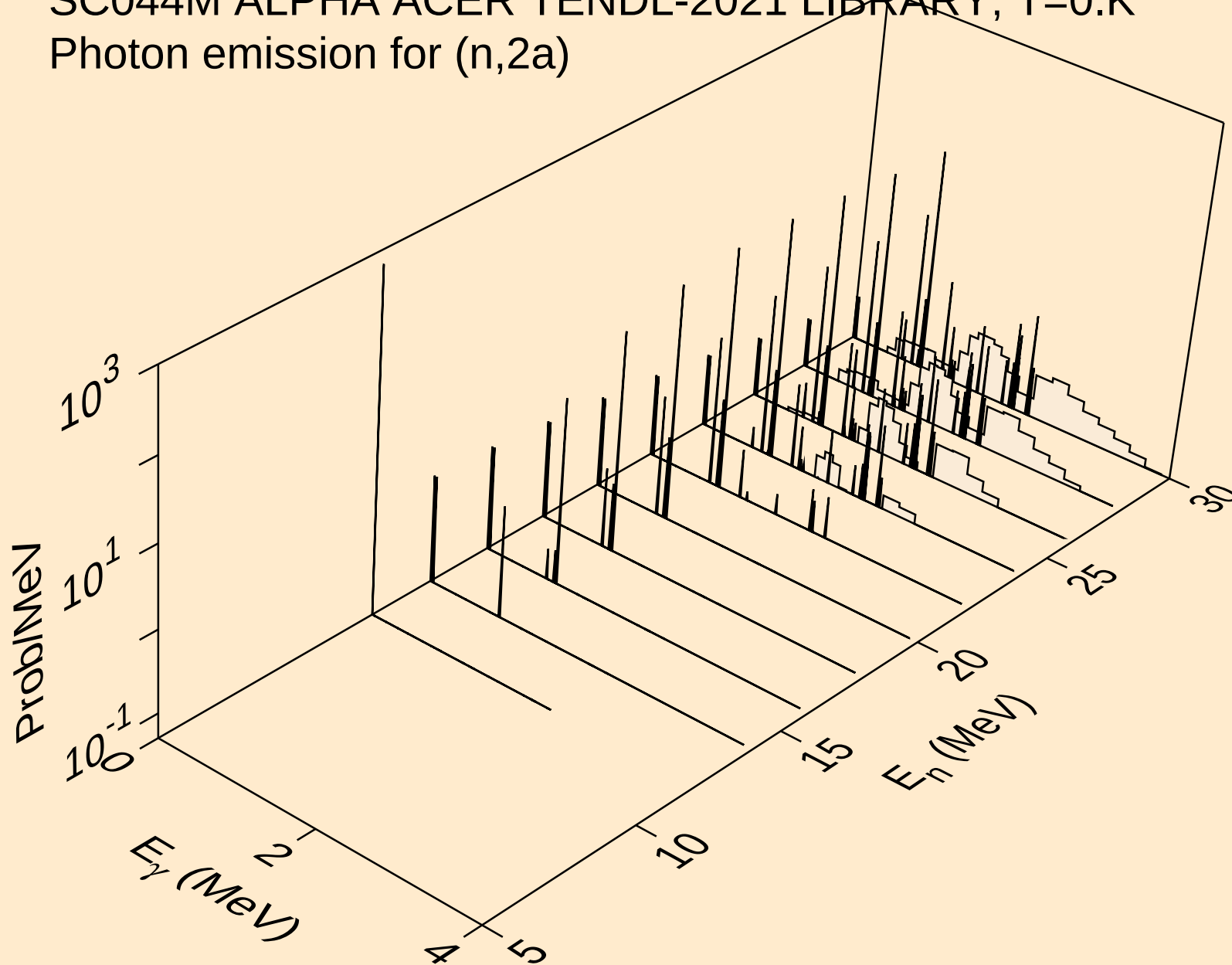
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,he3)



SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic

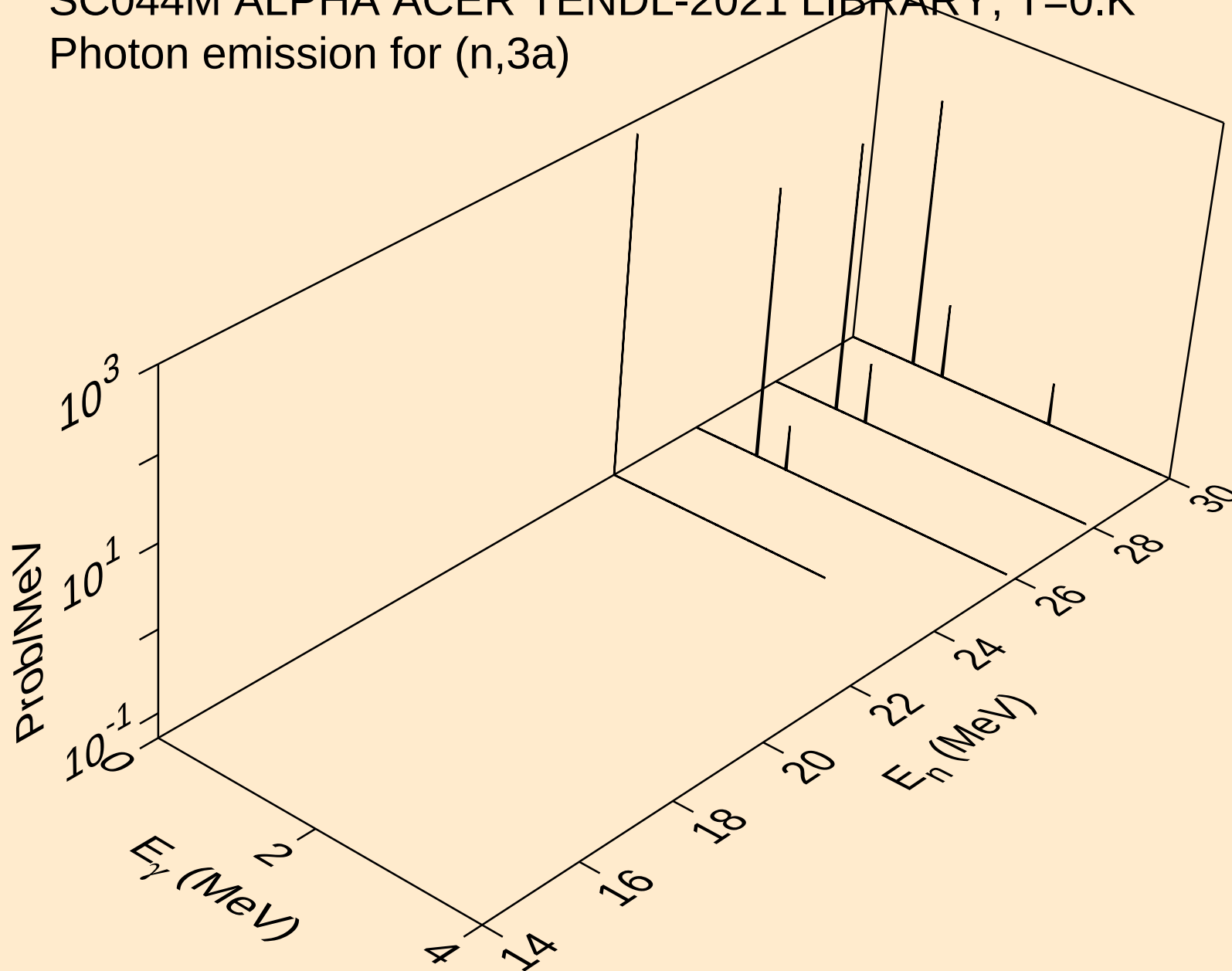


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Photon emission for (n,2a)

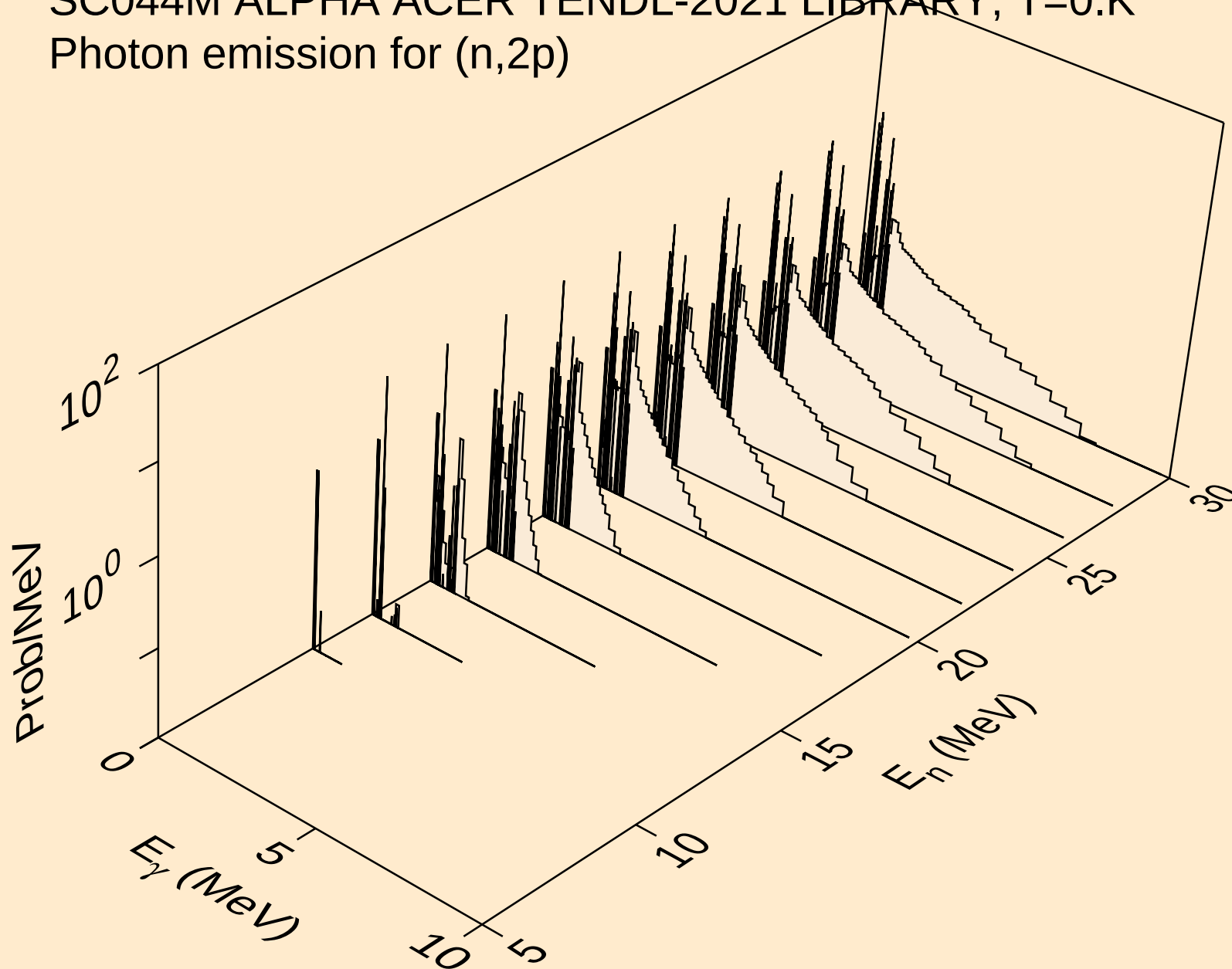




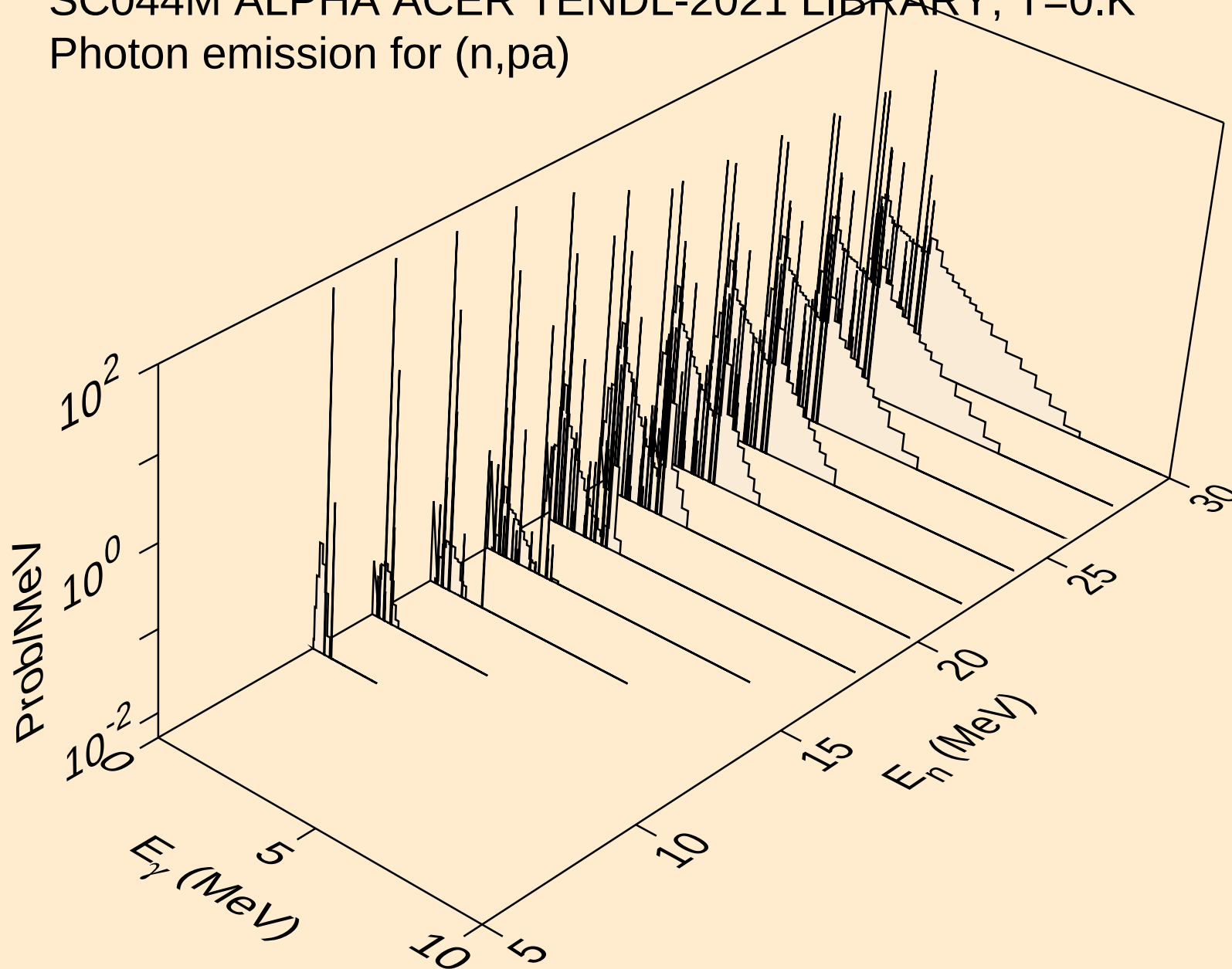
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Photon emission for (n,3a)



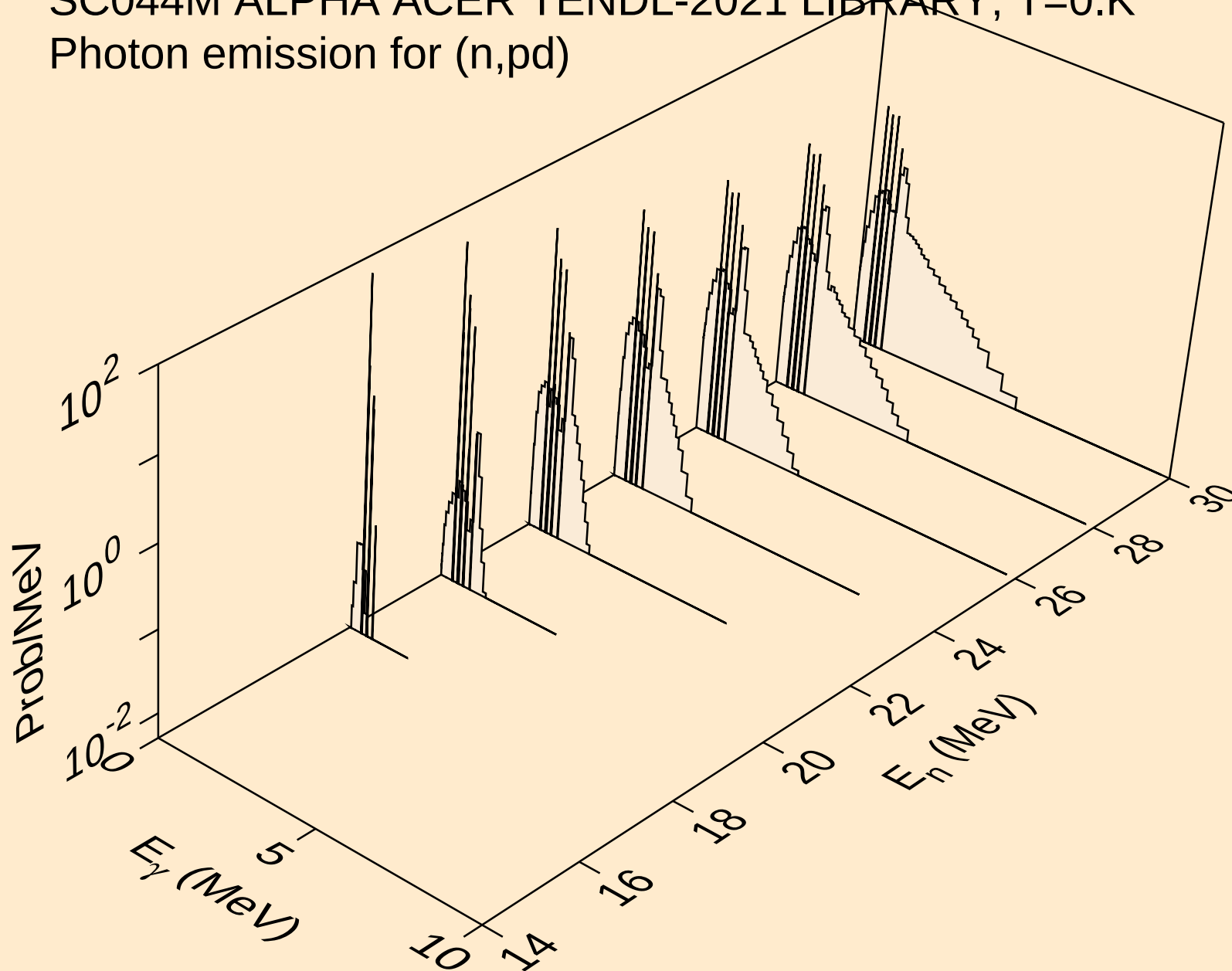
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Photon emission for (n,2p)



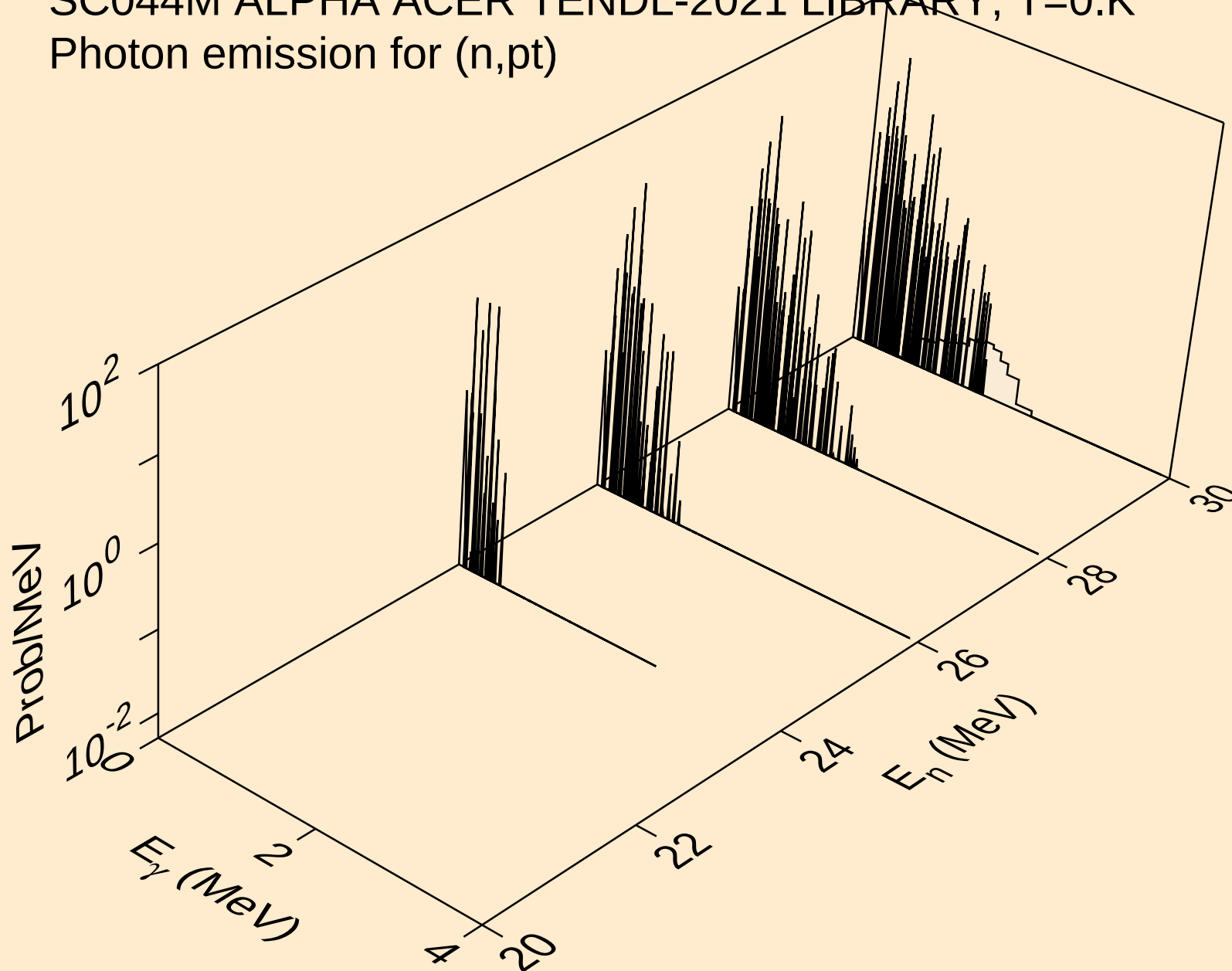
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Photon emission for (n,p $\alpha$ )



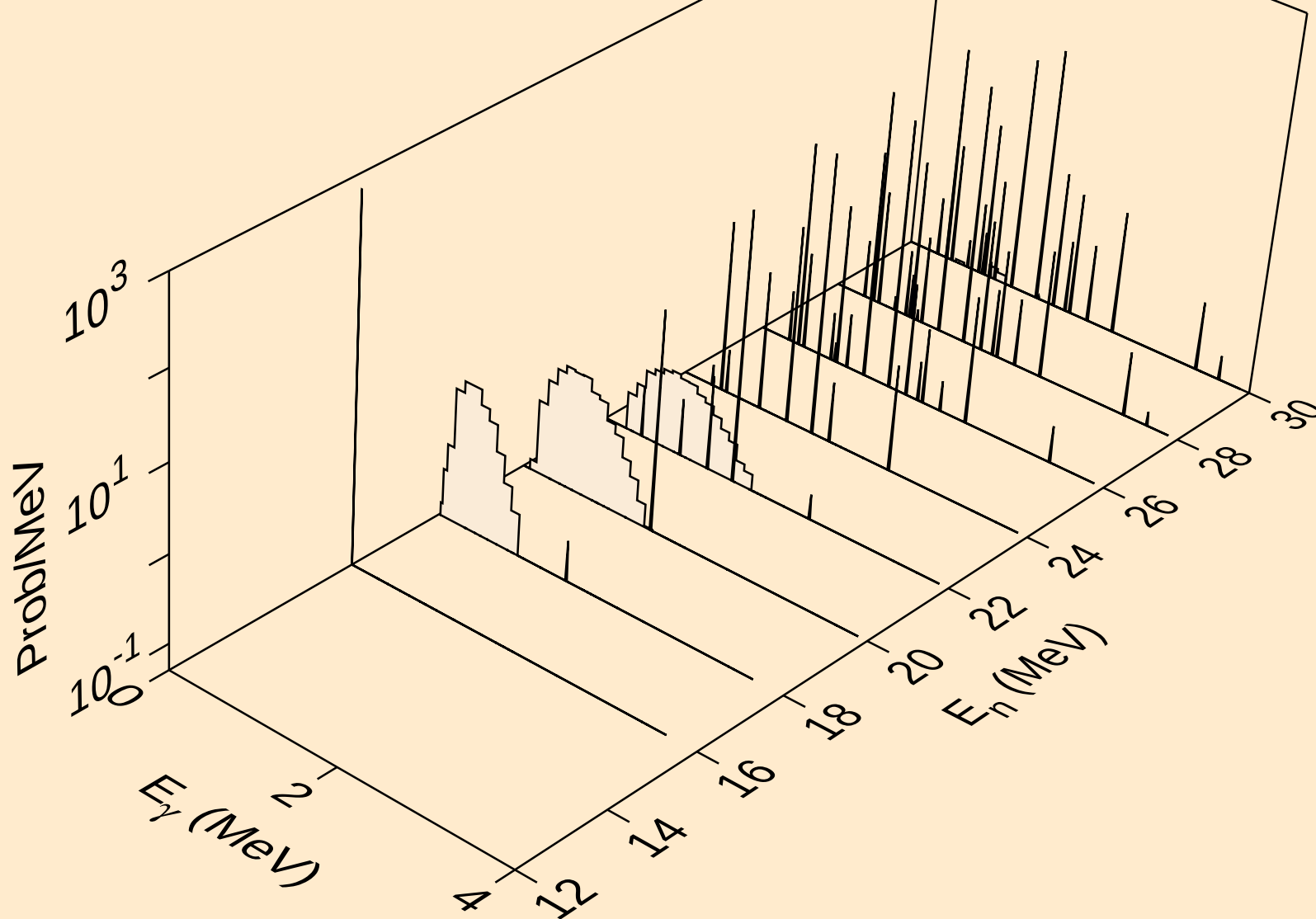
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pd)



SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pt)

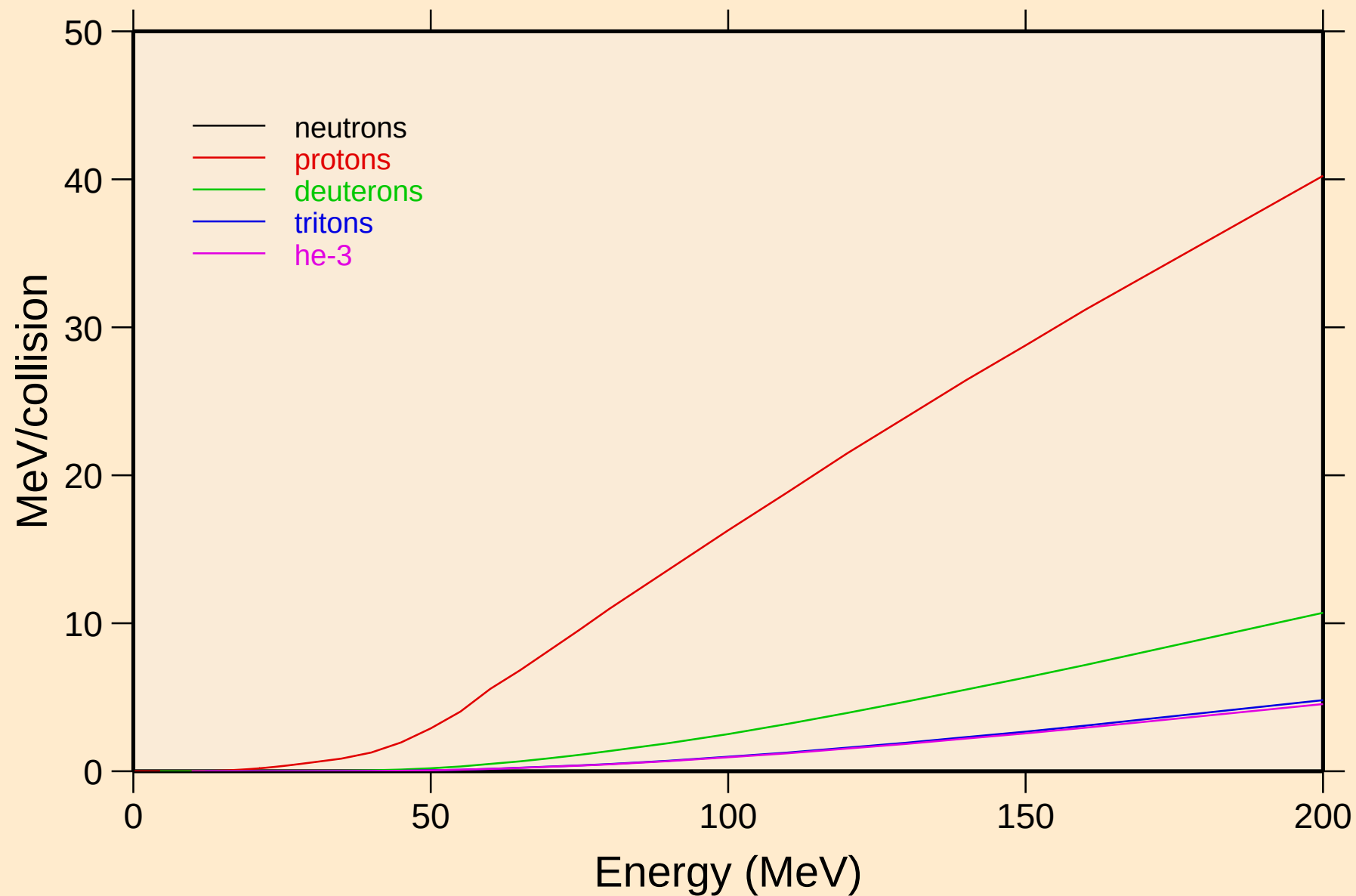


SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,da)



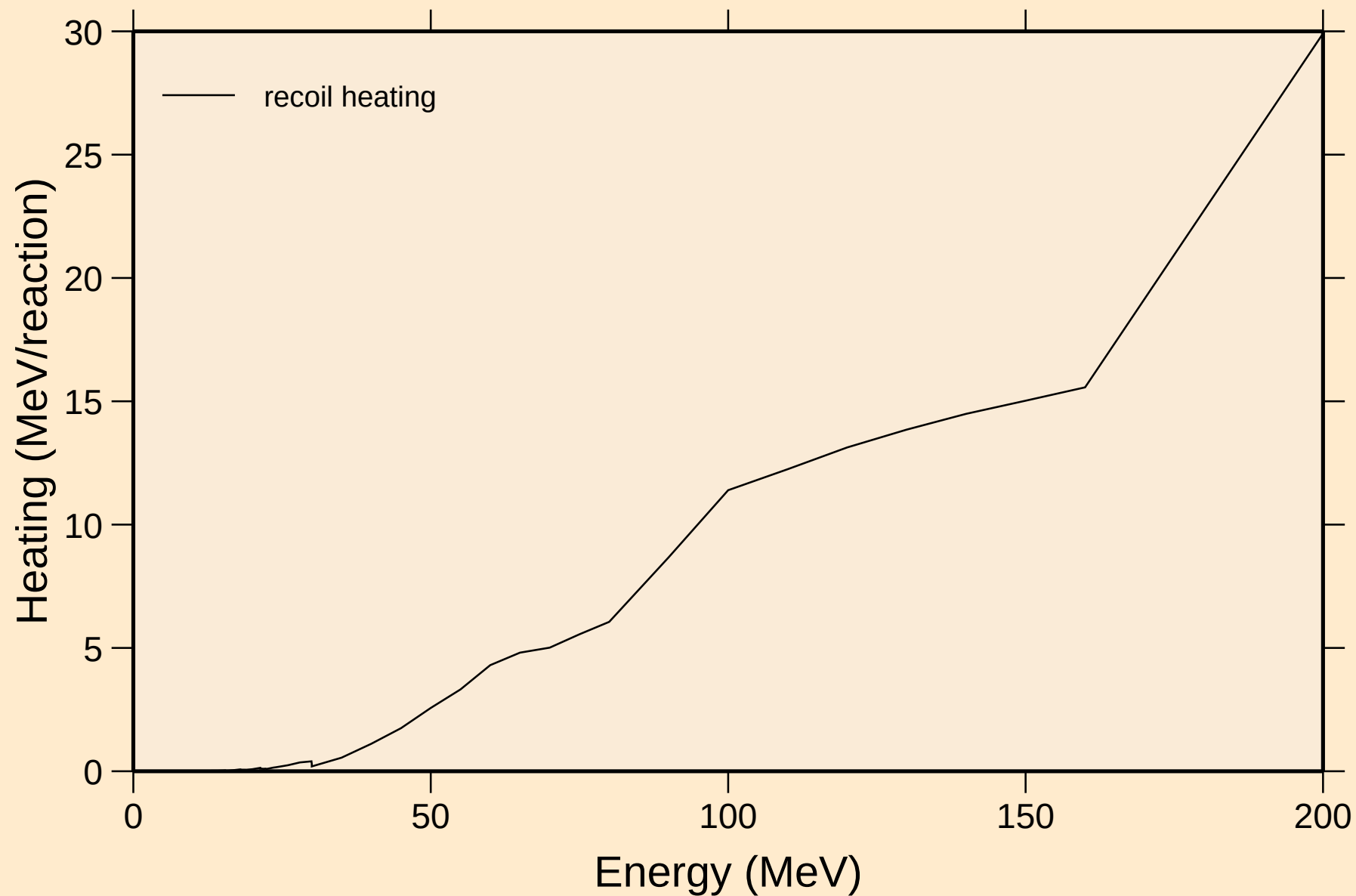
# SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Particle heating contributions



SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

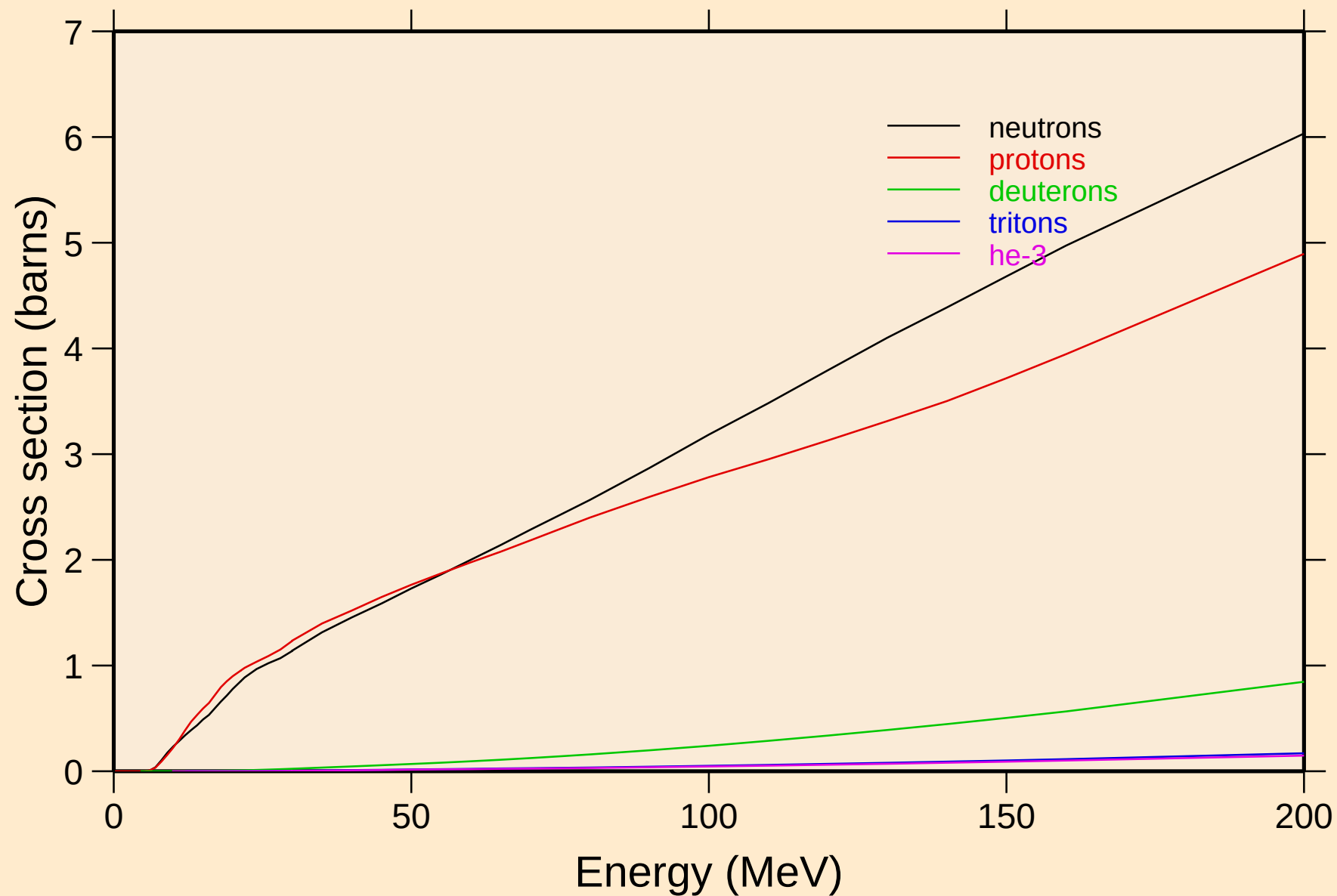
Recoil Heating



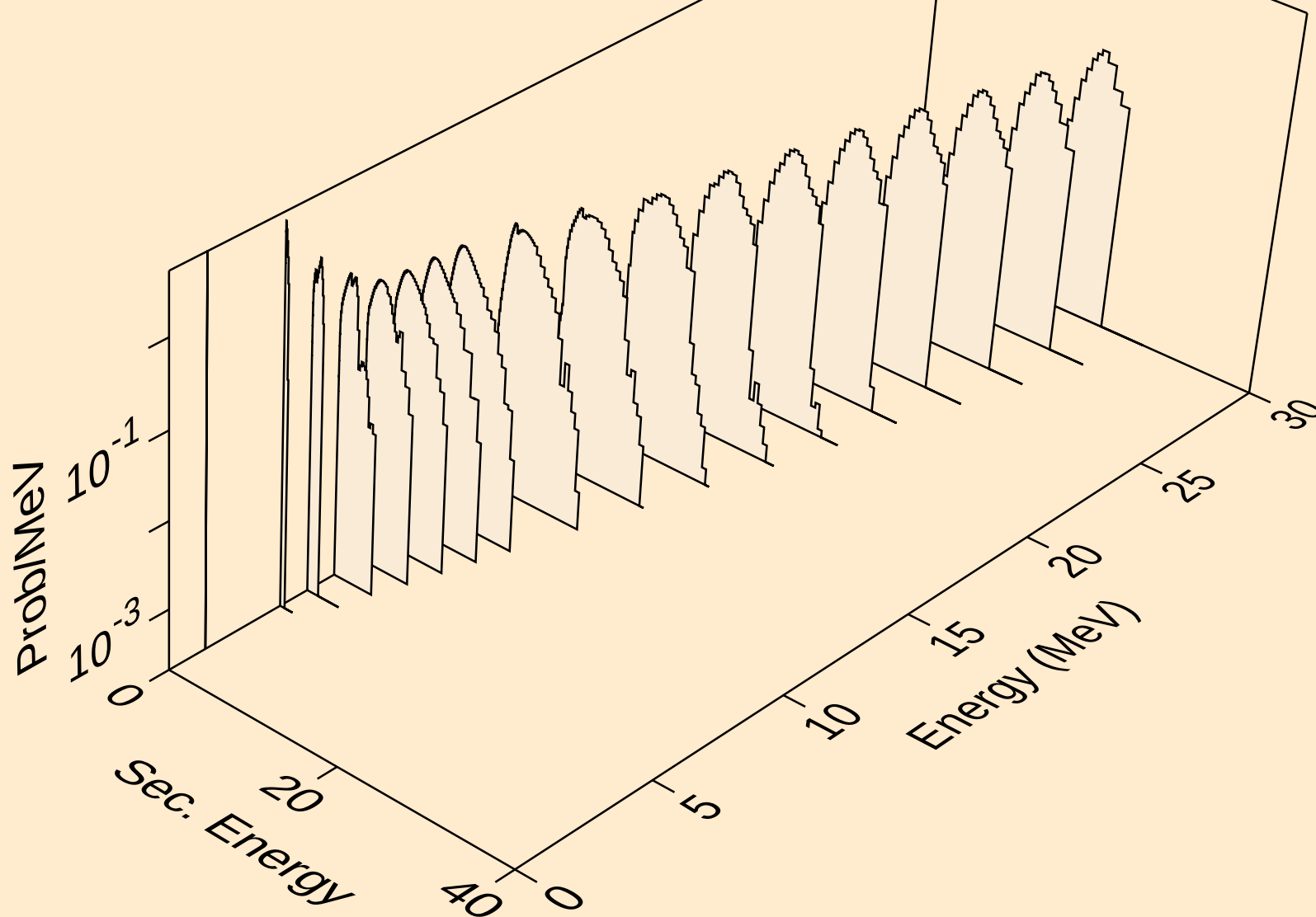


# SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

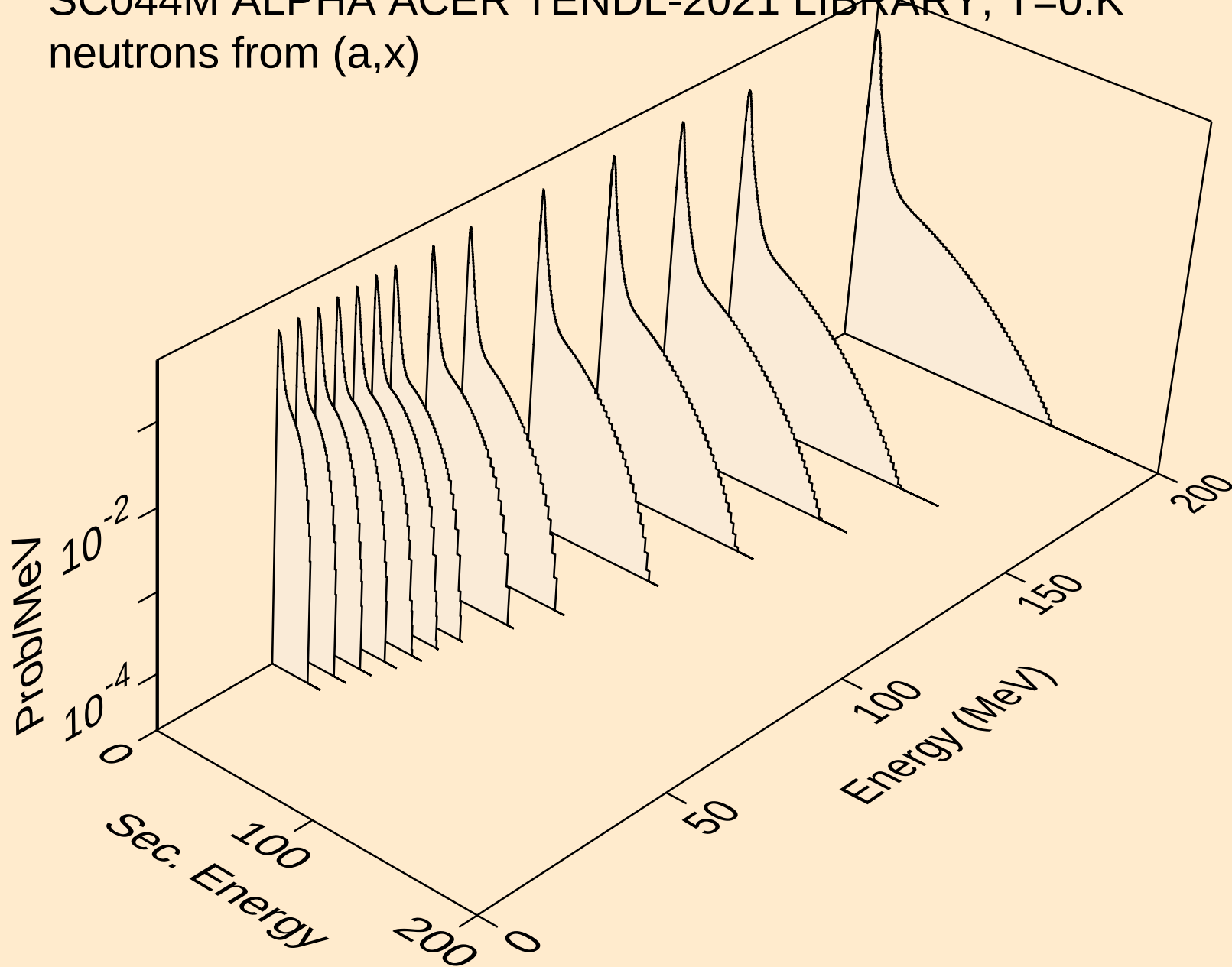
## Particle production cross sections



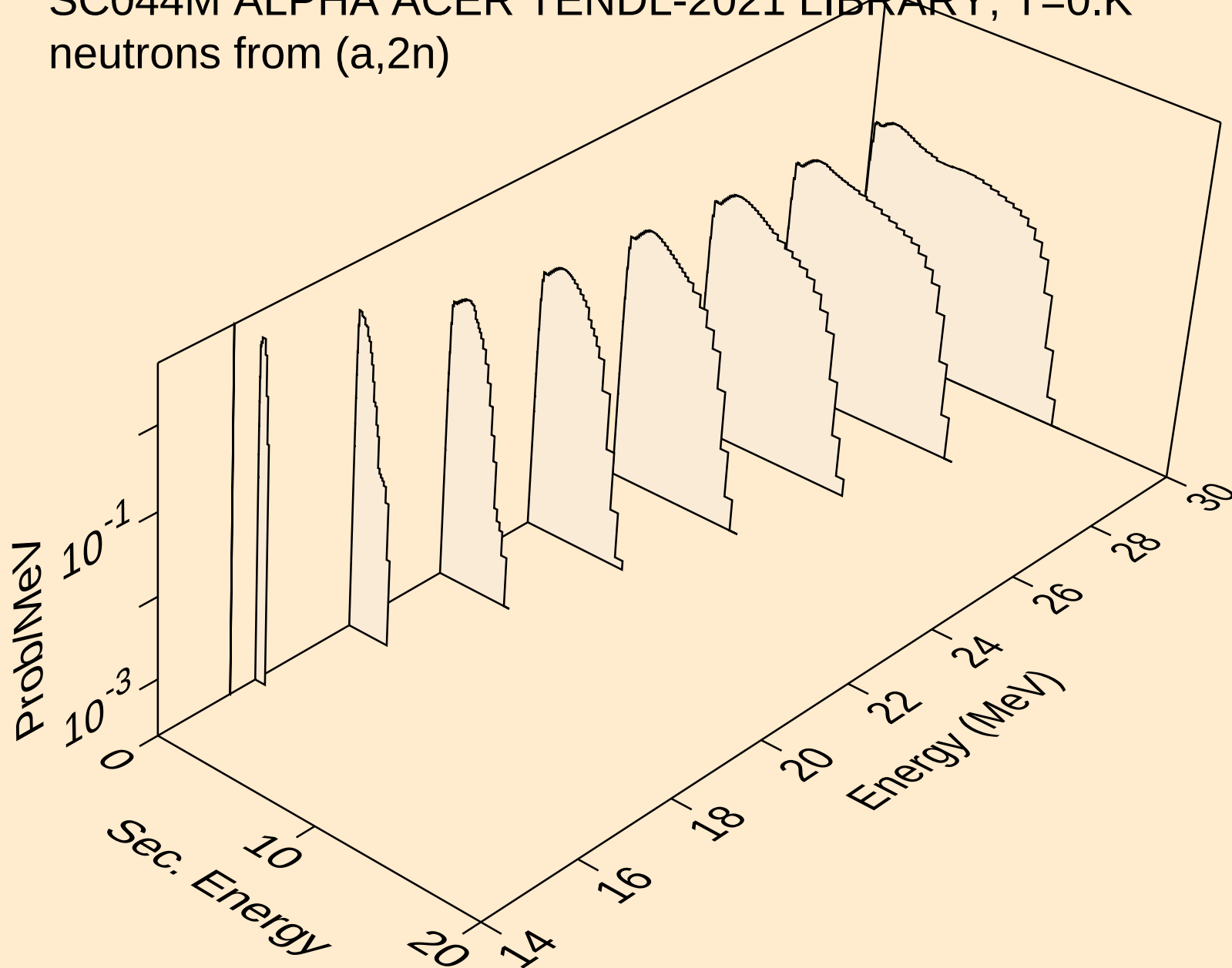
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n)



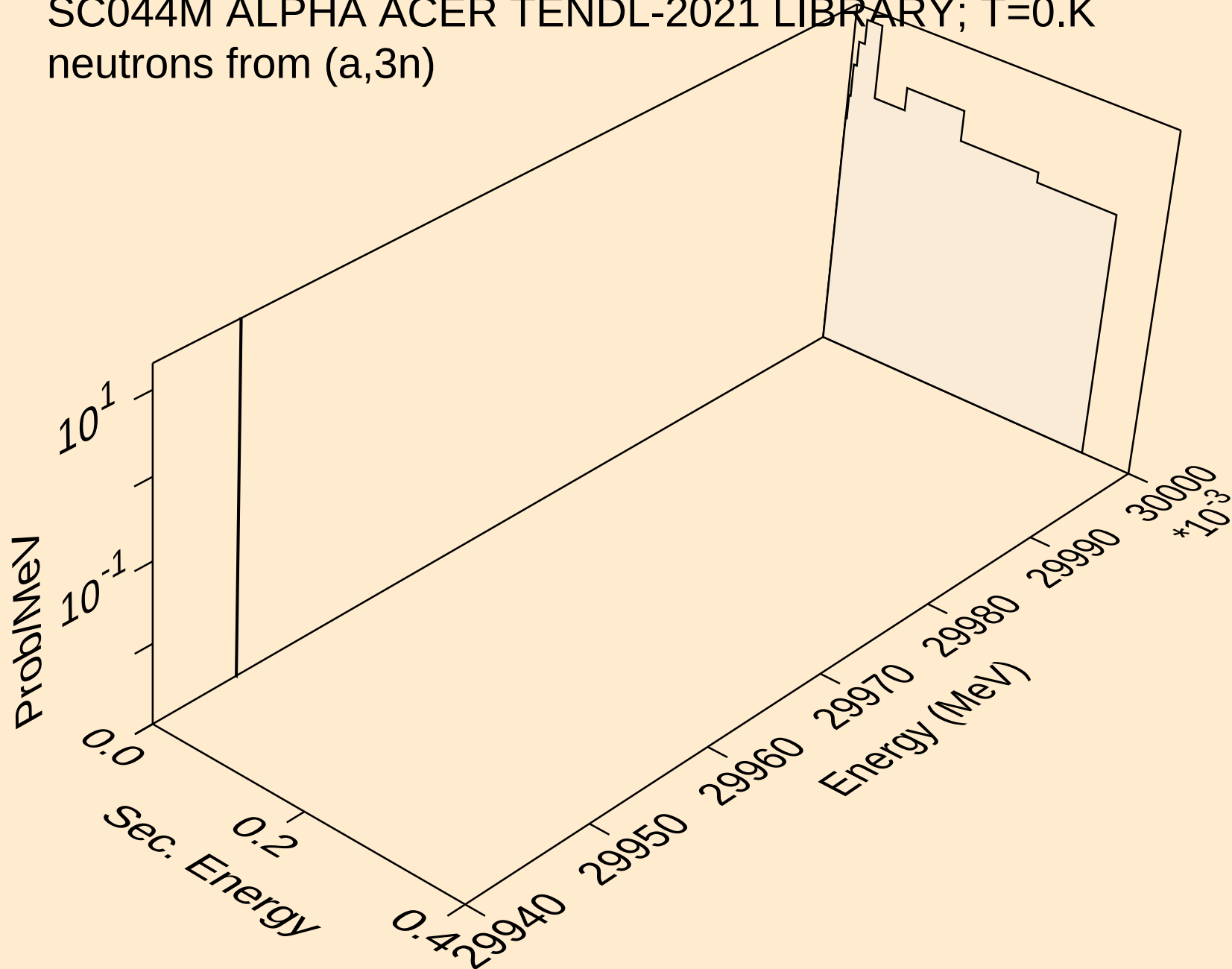
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,x)



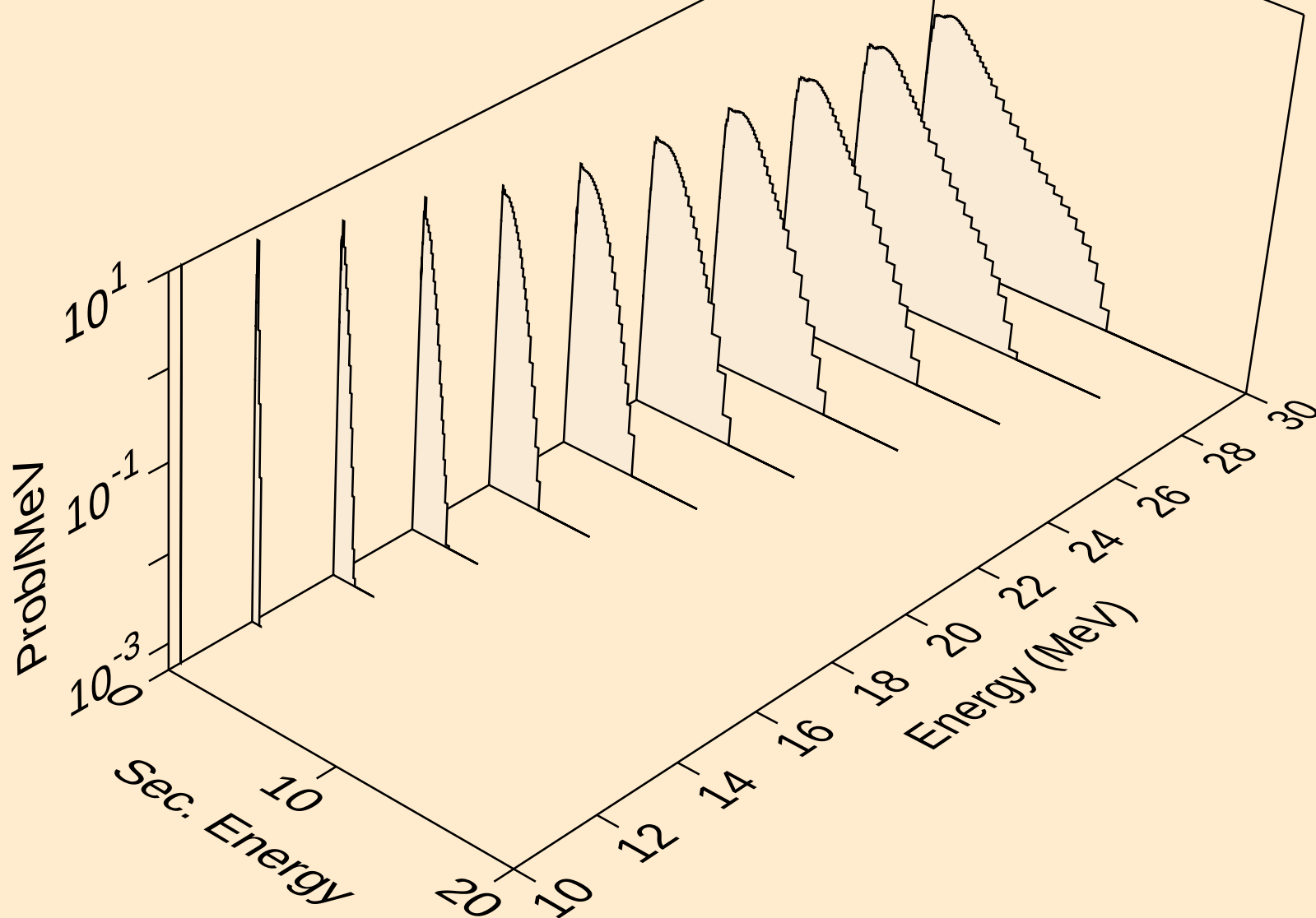
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,2n)



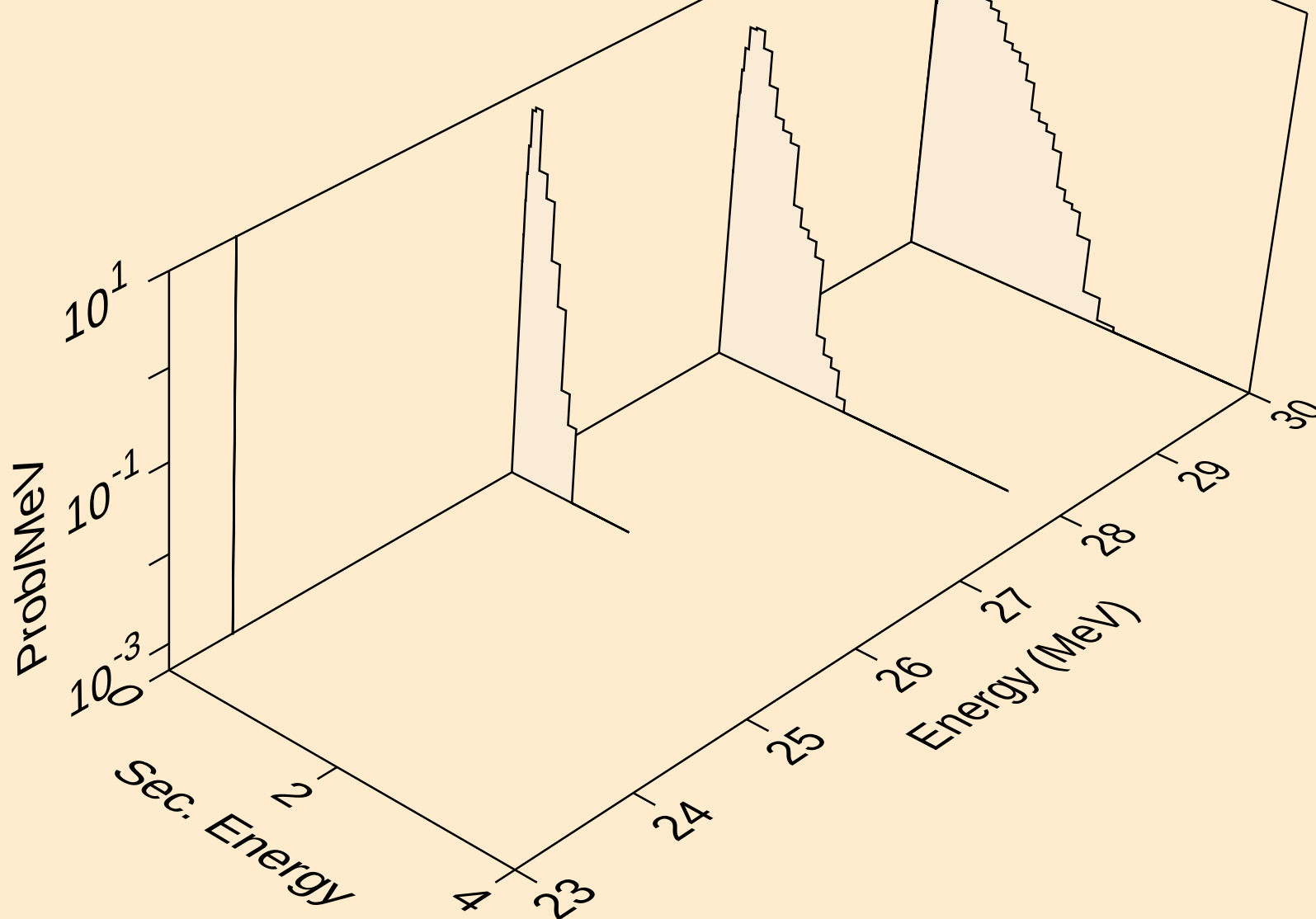
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,3n)



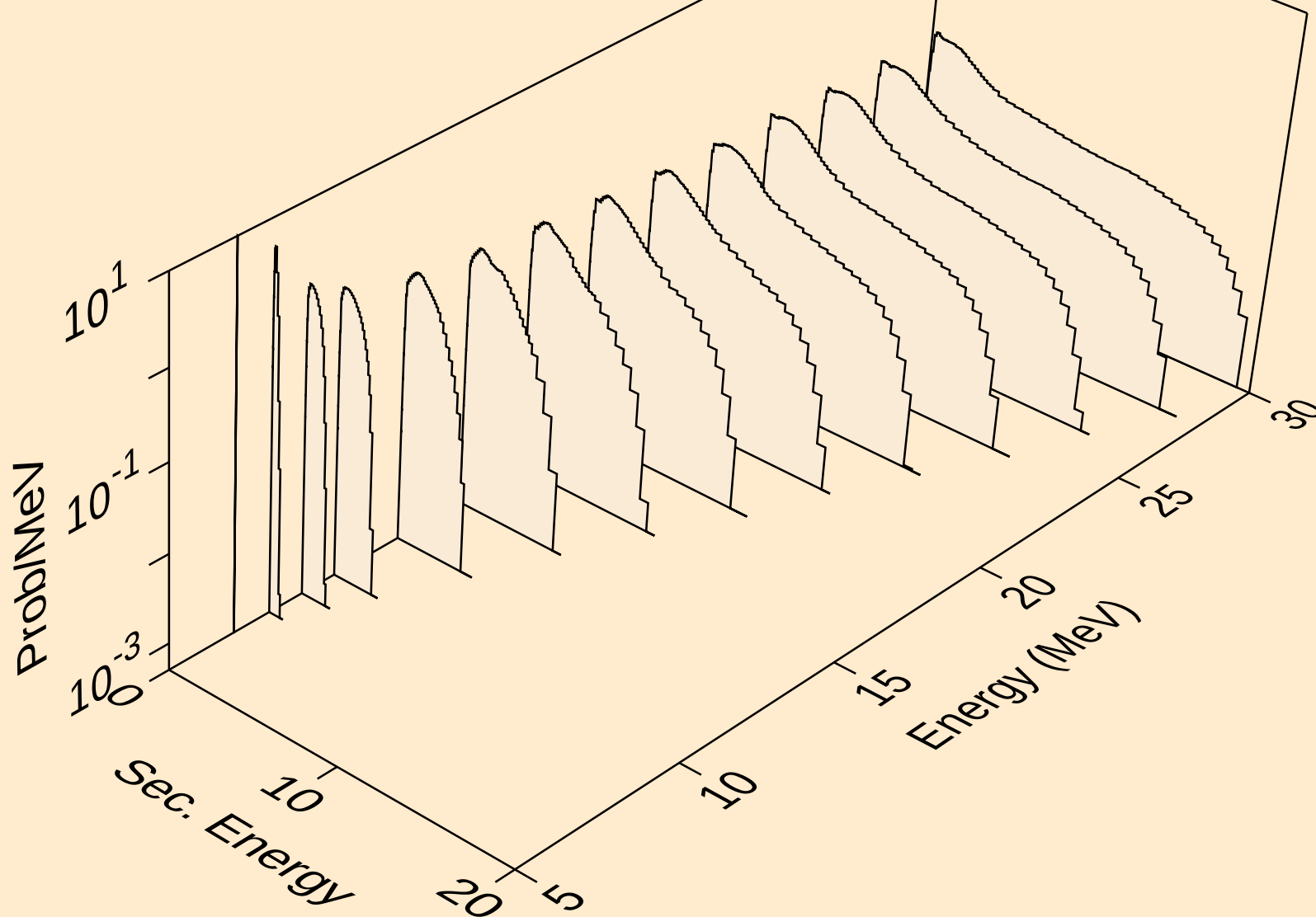
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)a



SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,2n)a

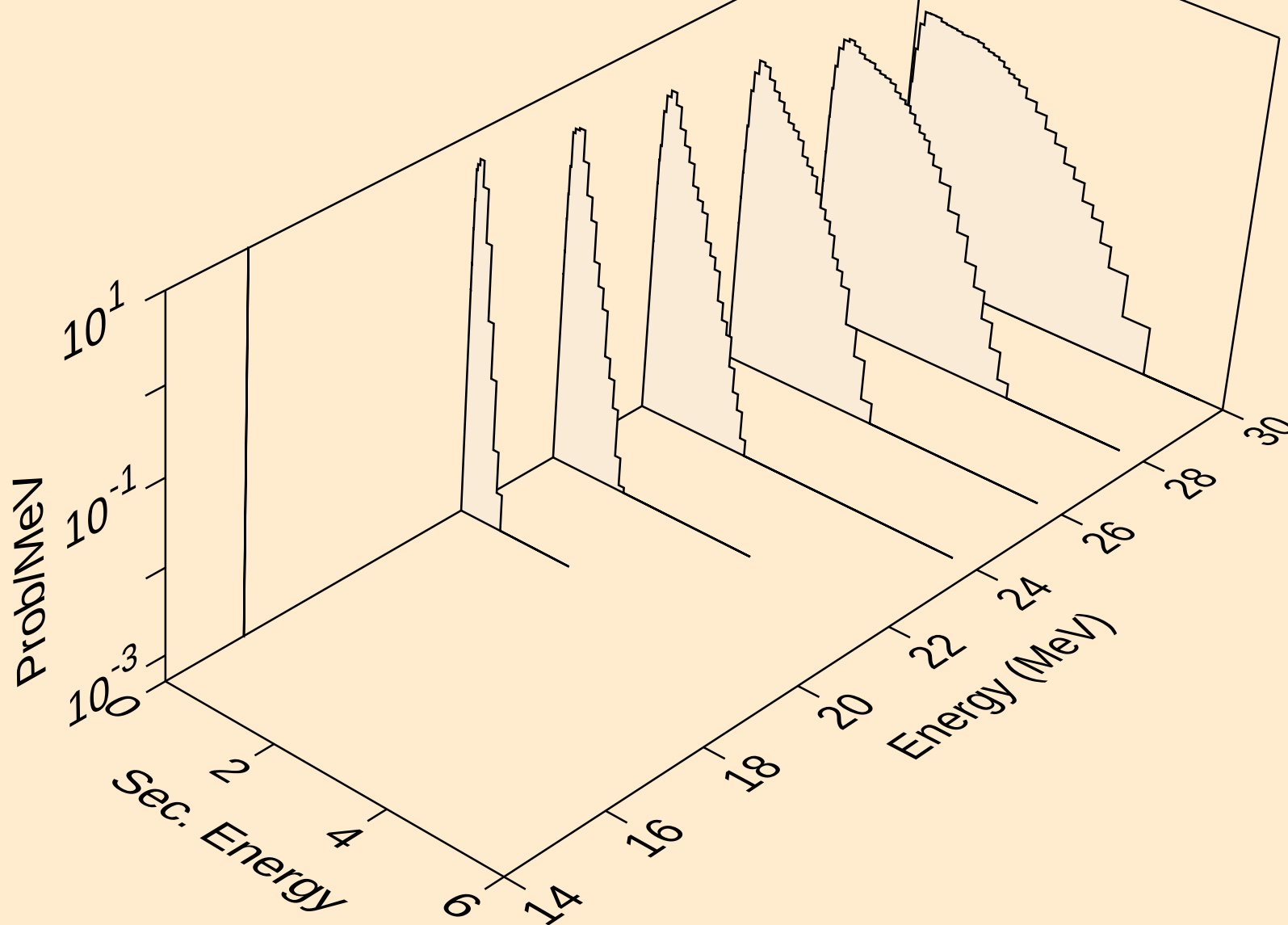


SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)p

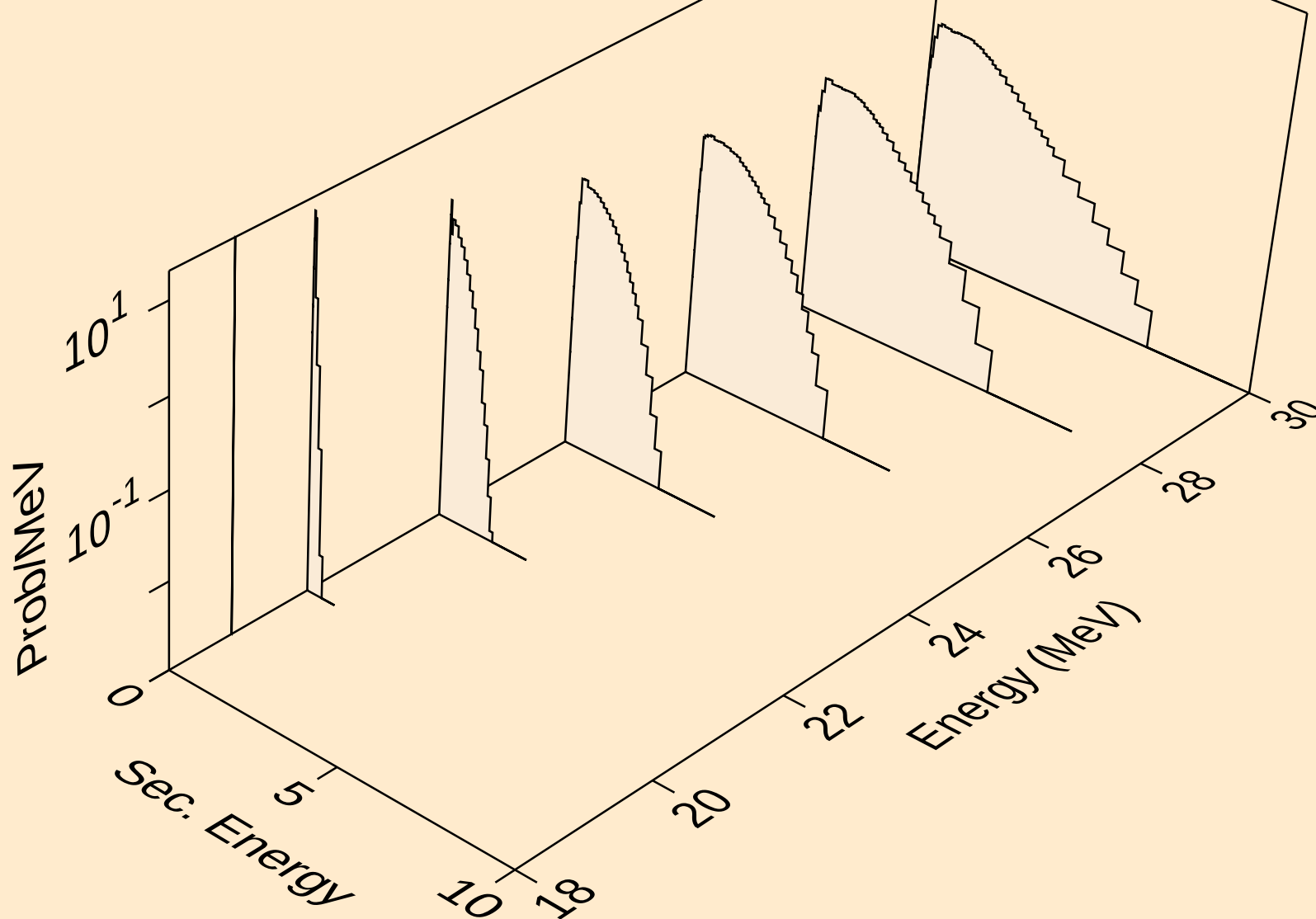




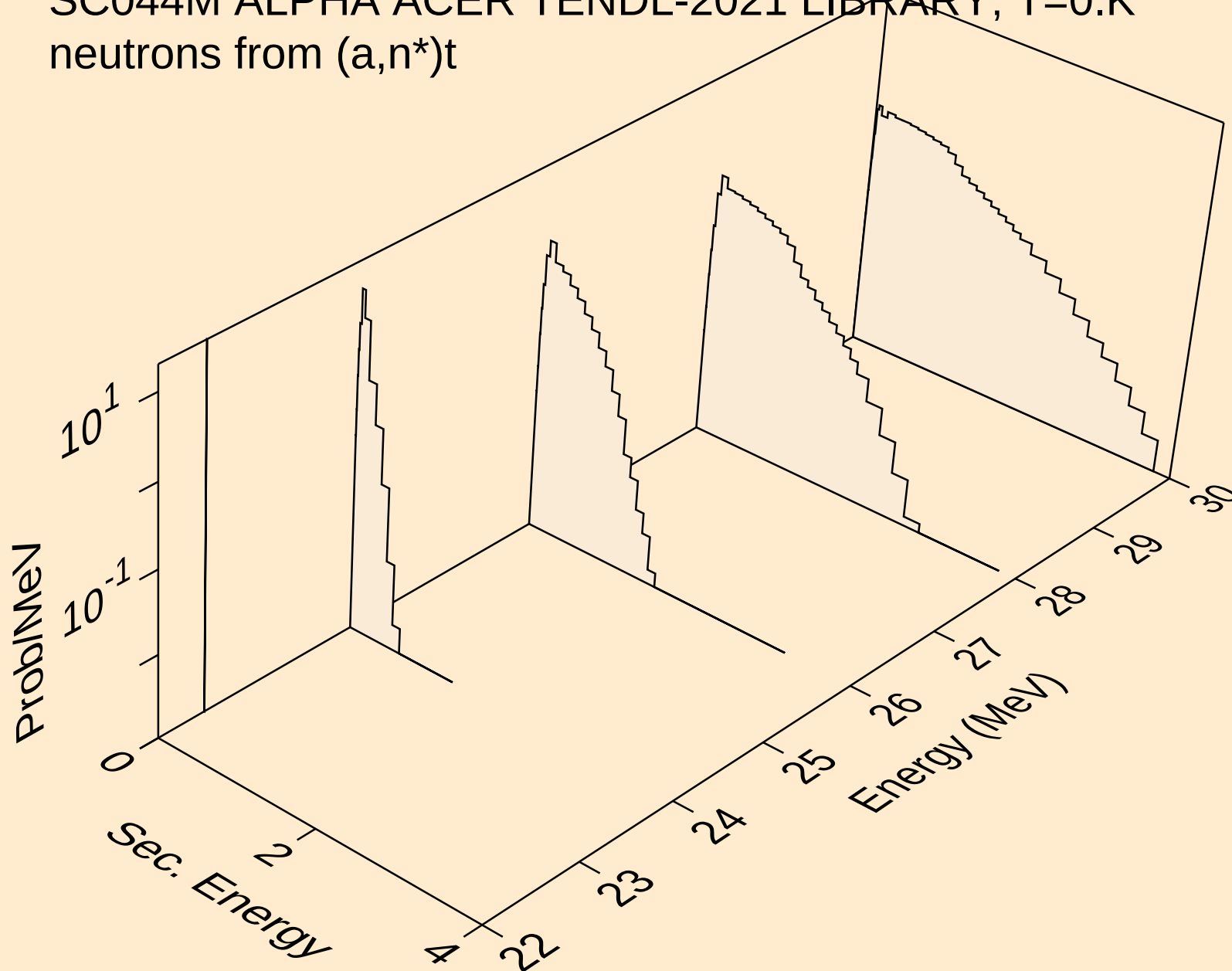
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neutrons from (a,n\*)2a



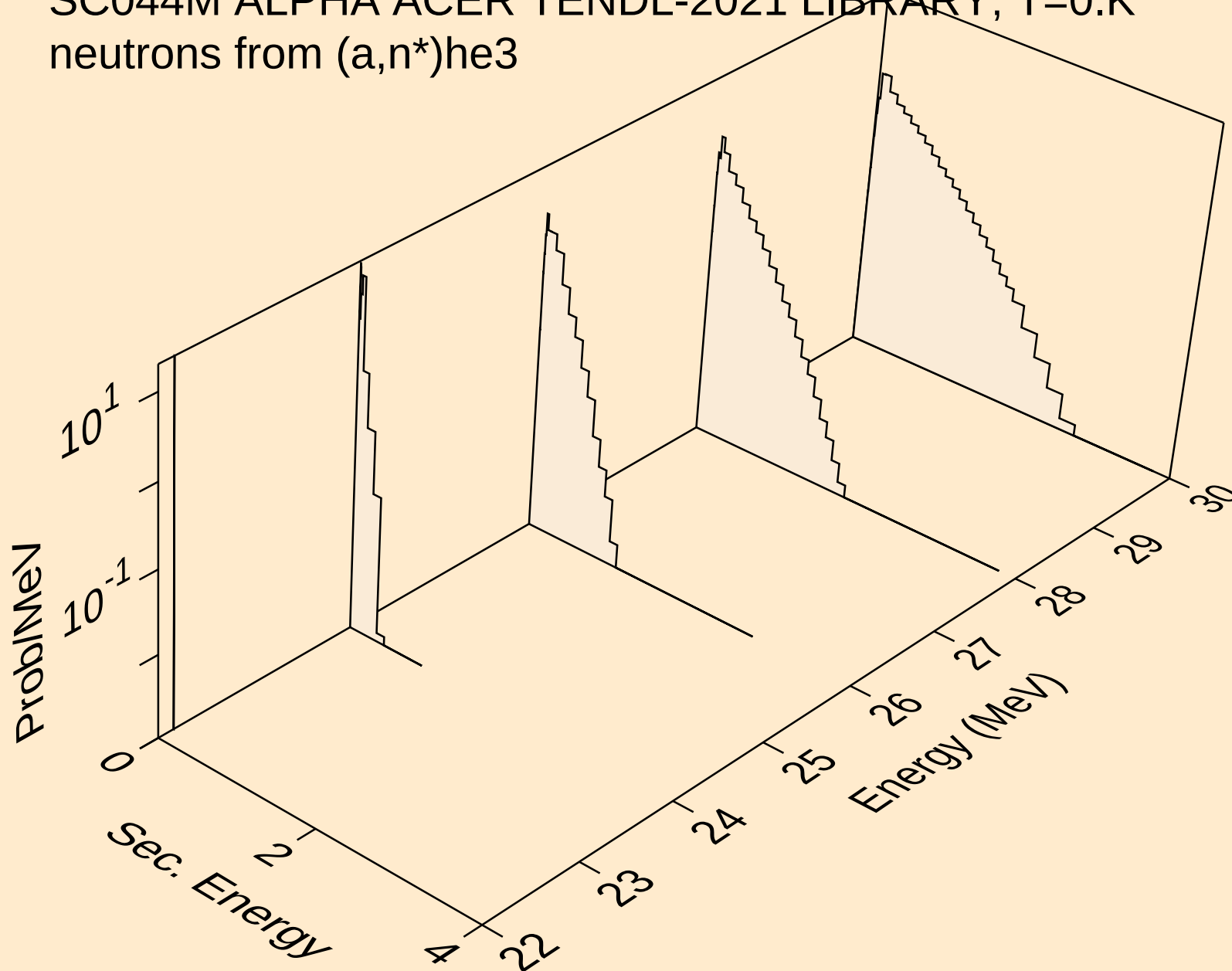
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)d



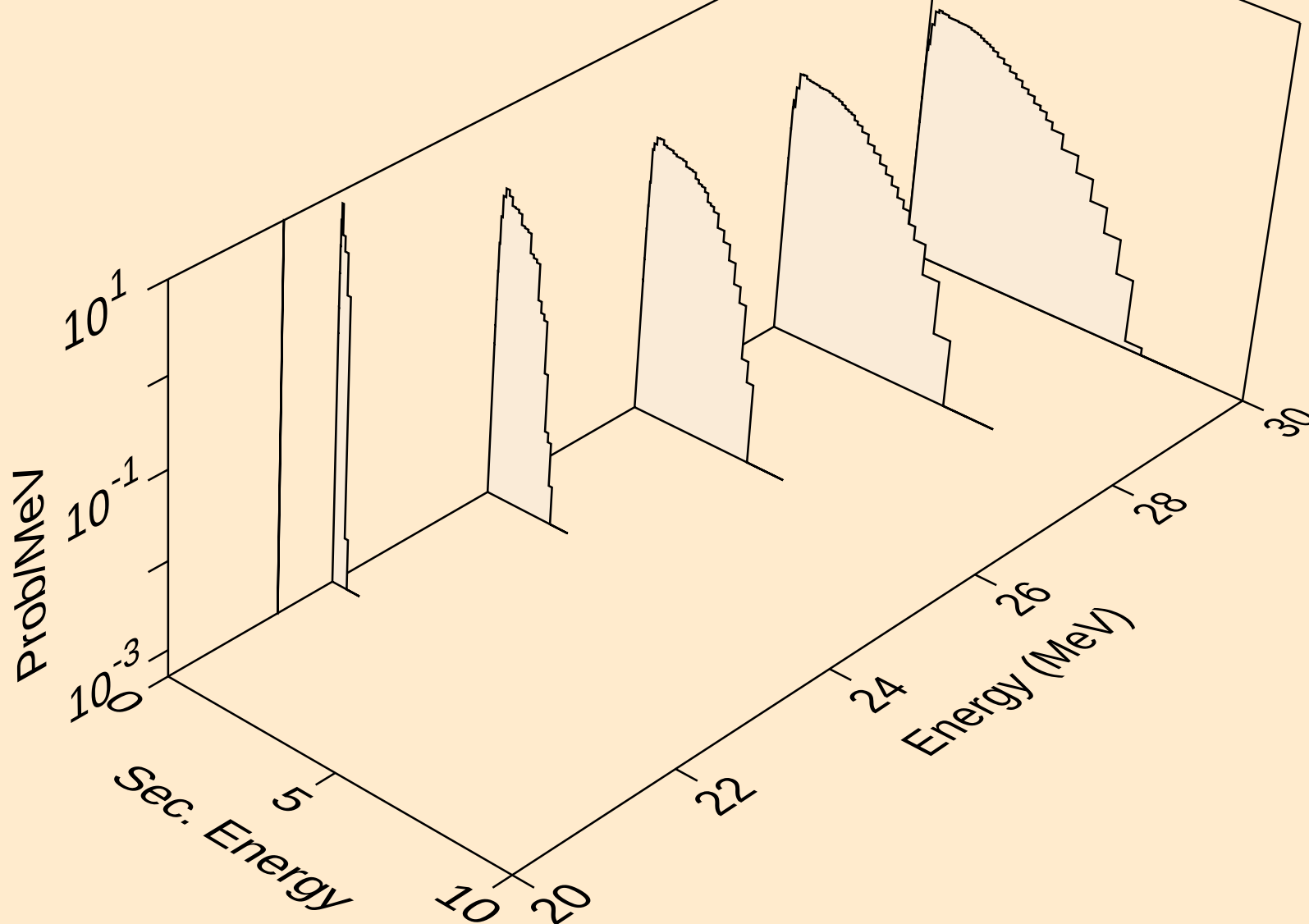
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)t



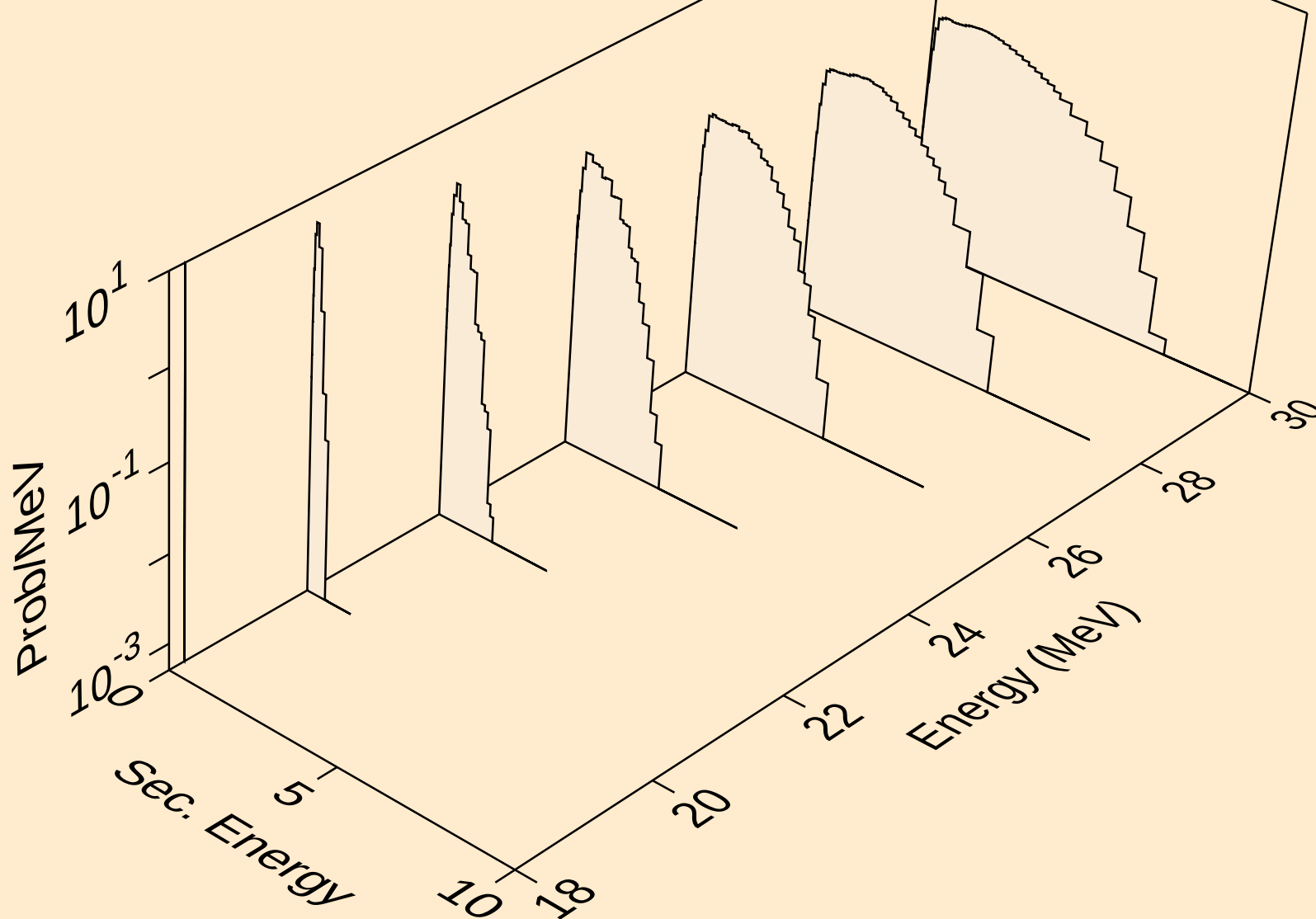
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)he3



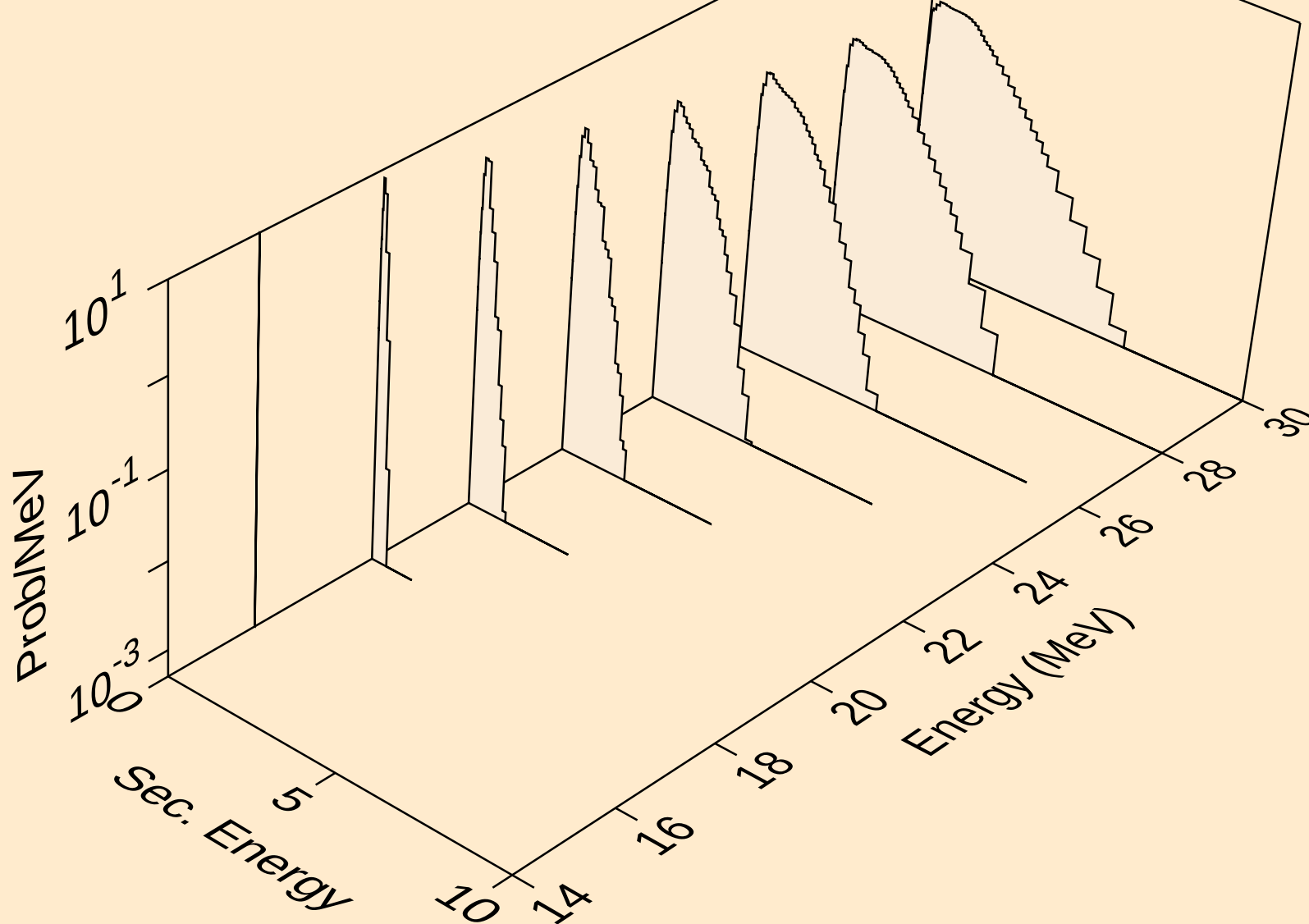
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neutrons from (a,2np)



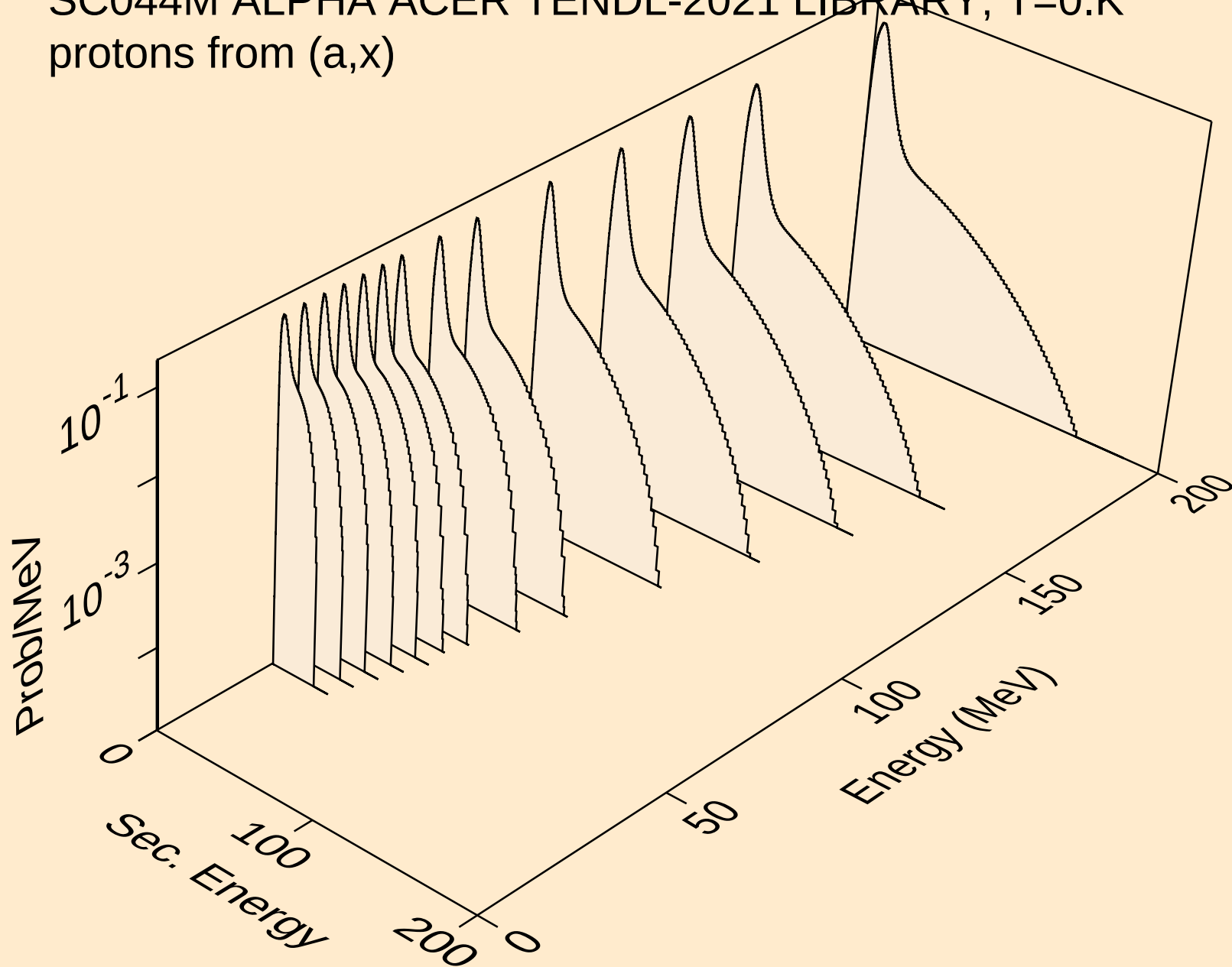
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,2np)



SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,npa)

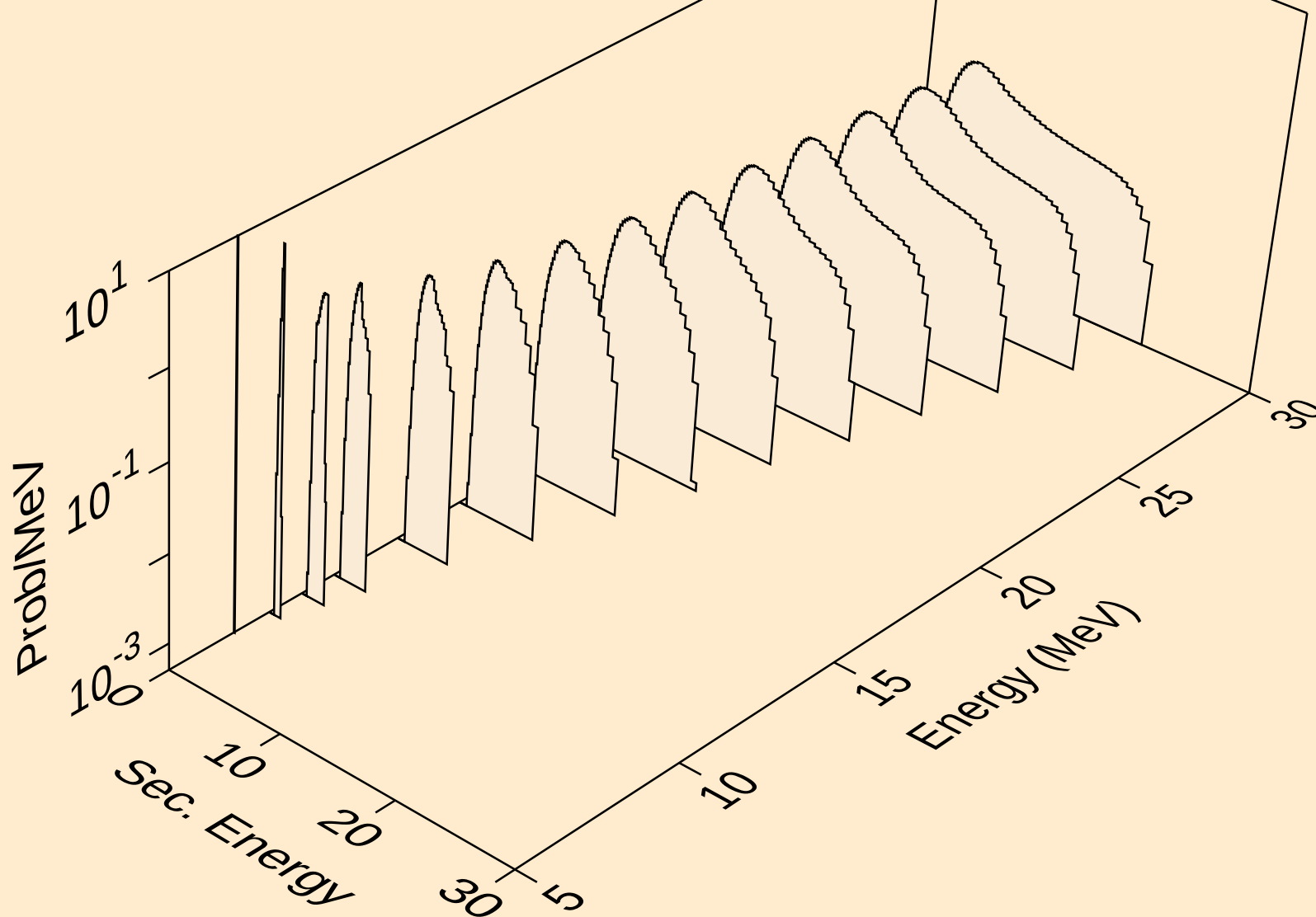


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protons from (a,x)

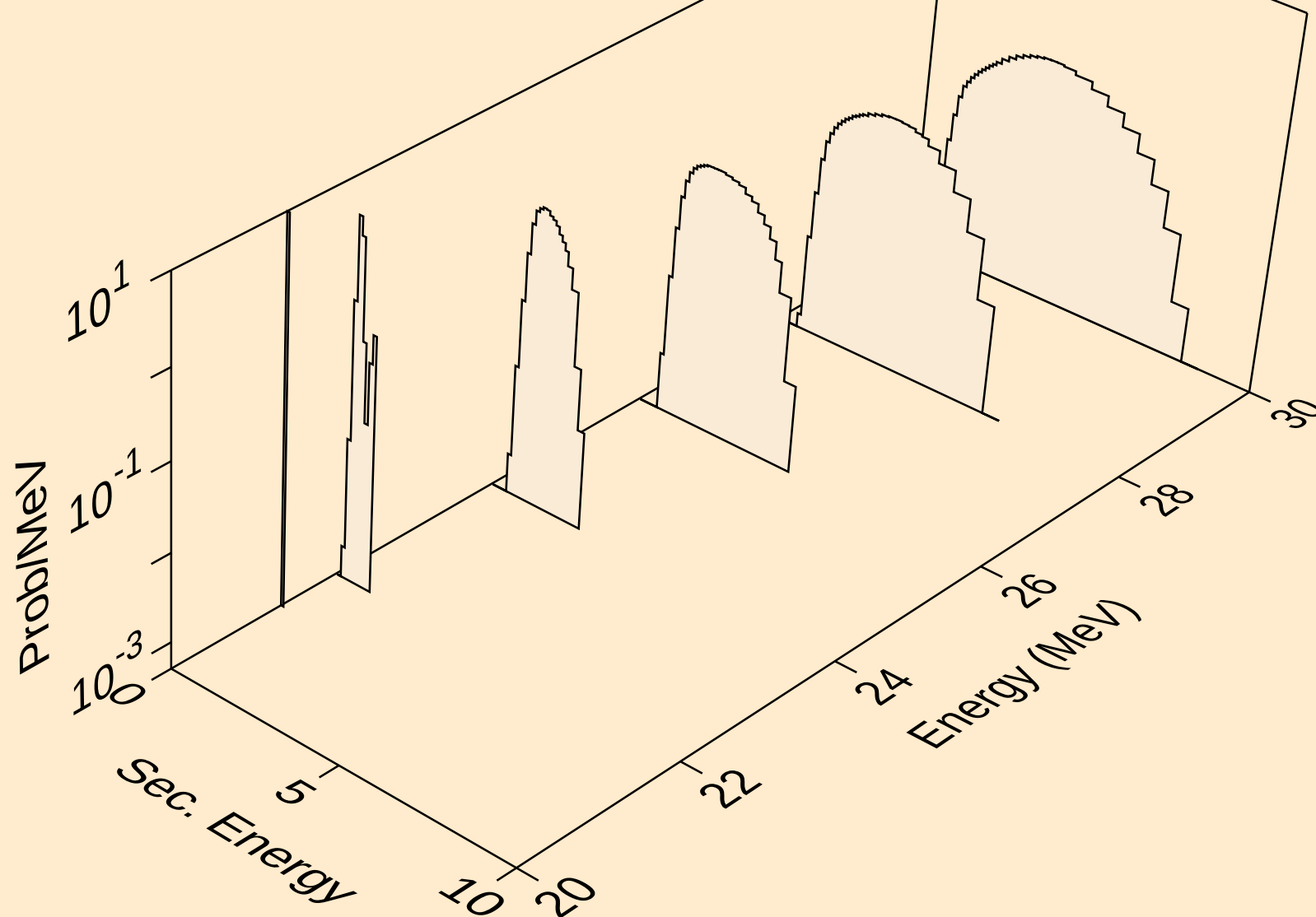




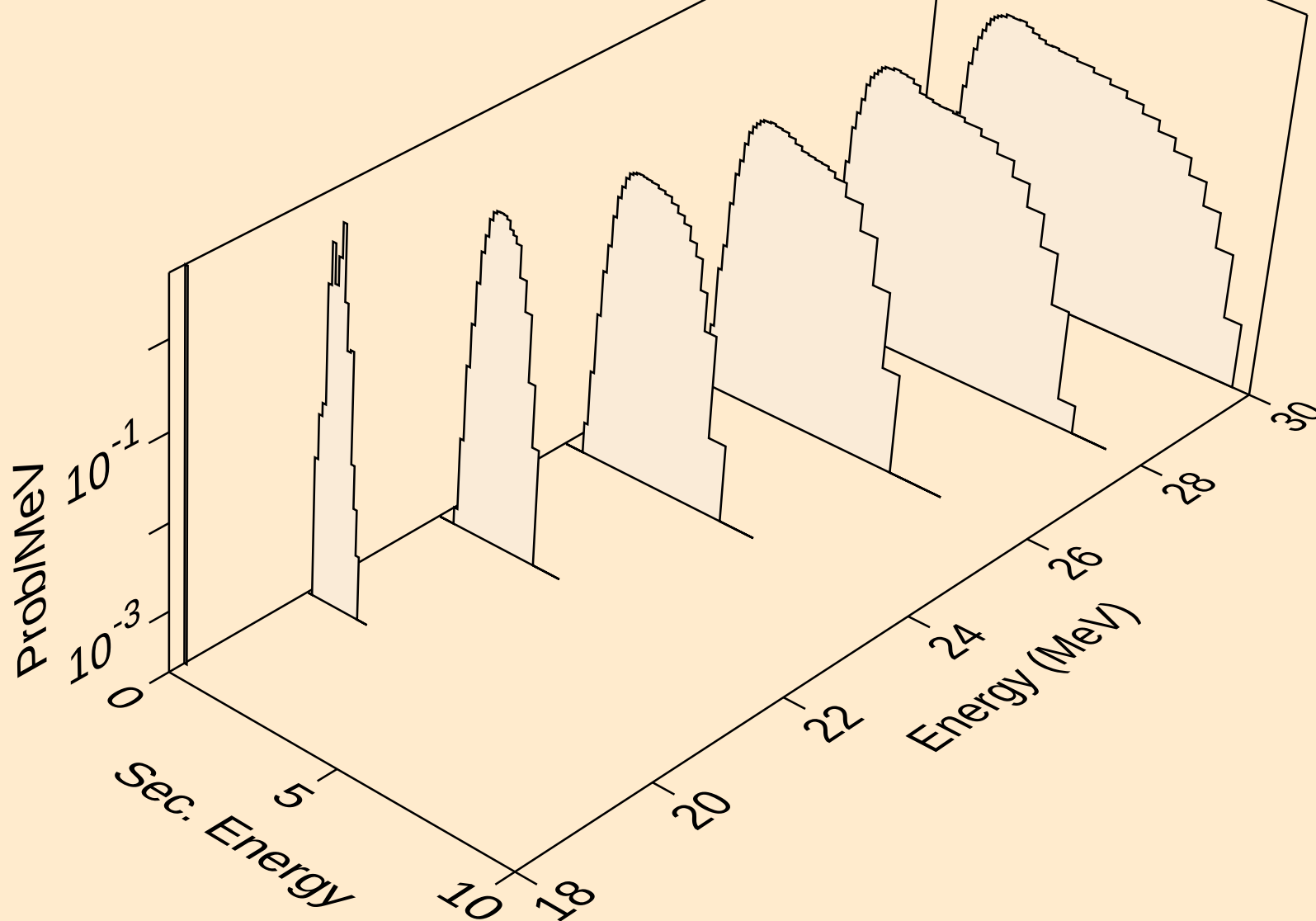
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protons from (a,n\*)p



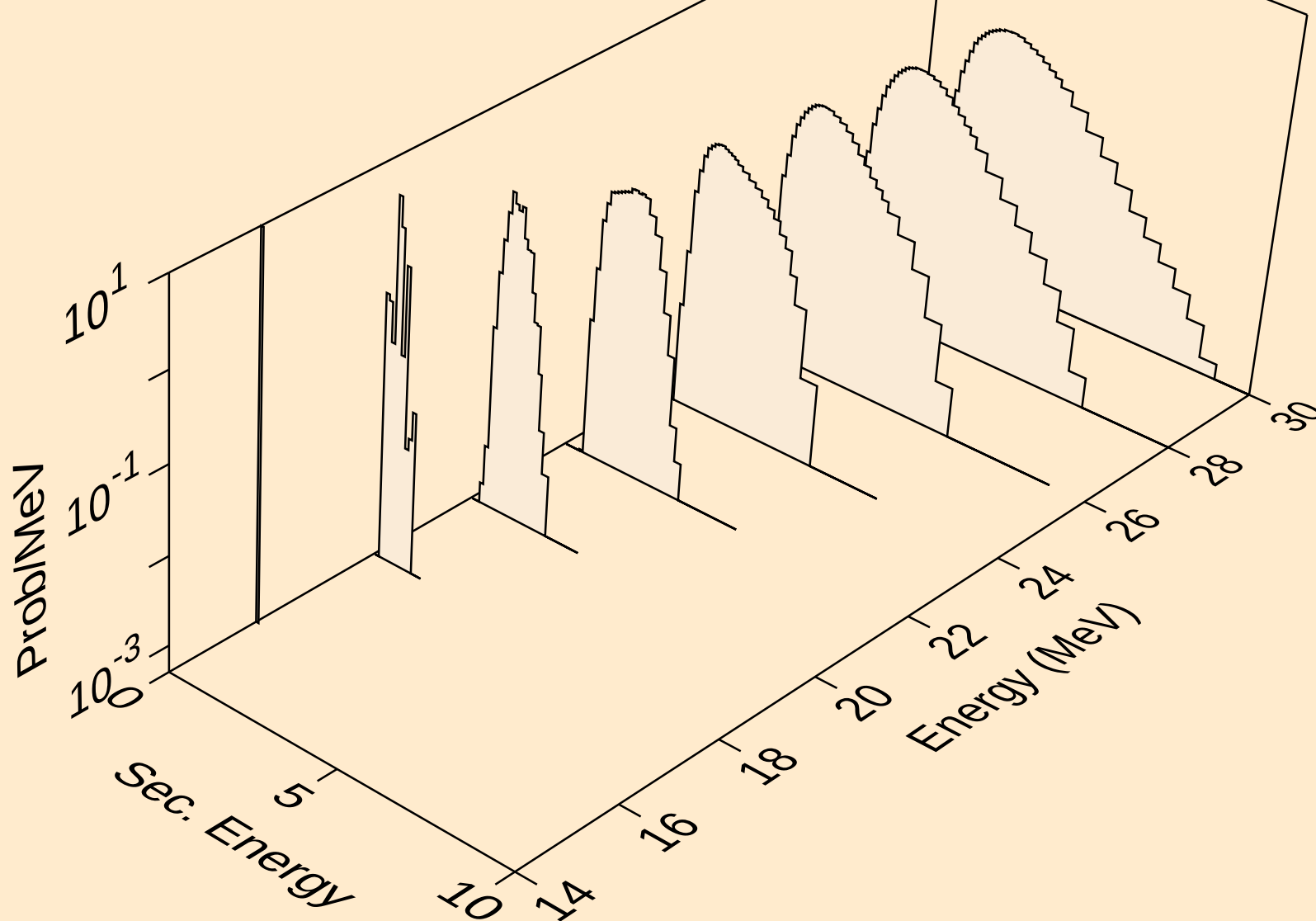
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,2np)



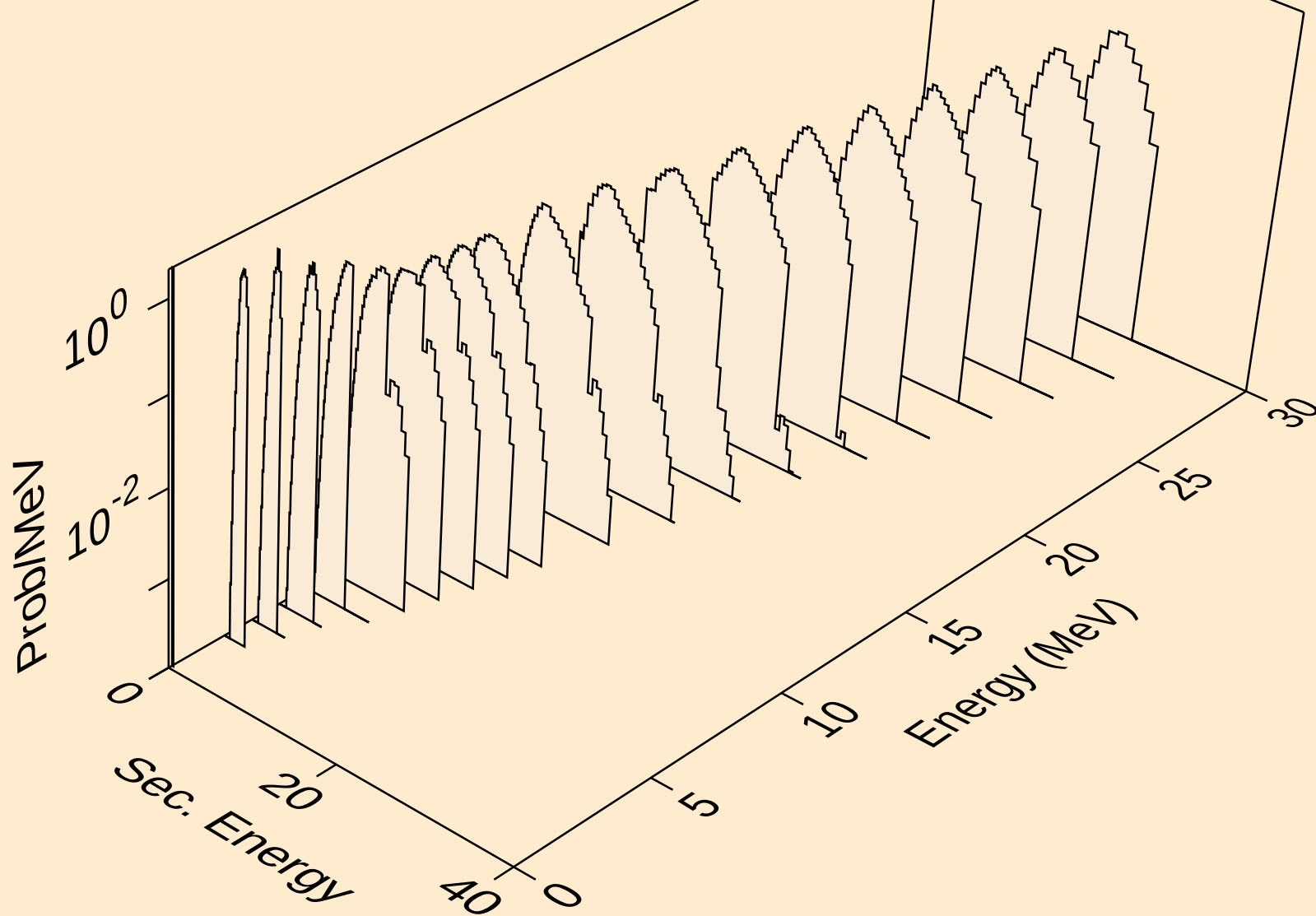
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,2np)



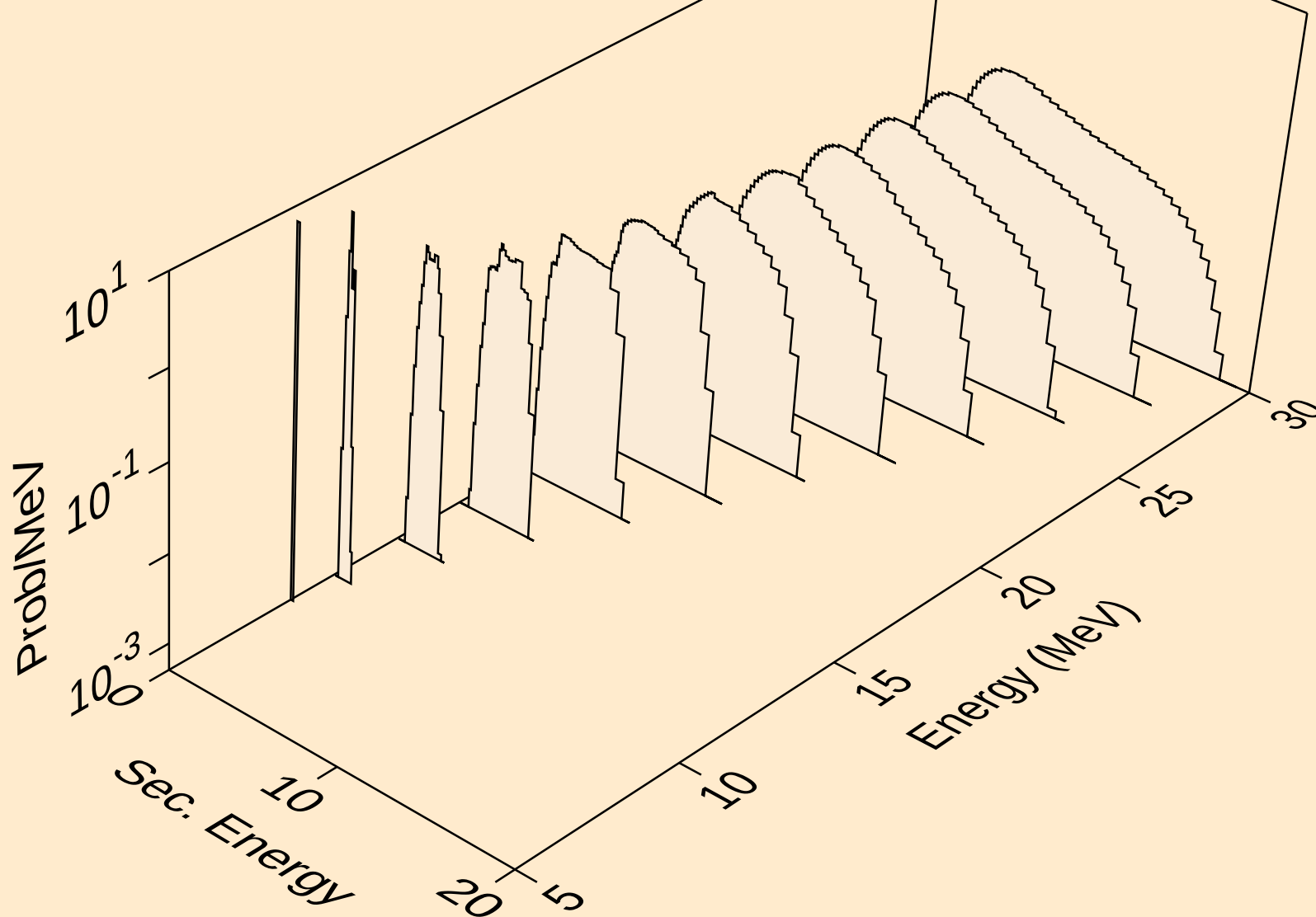
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,npa)



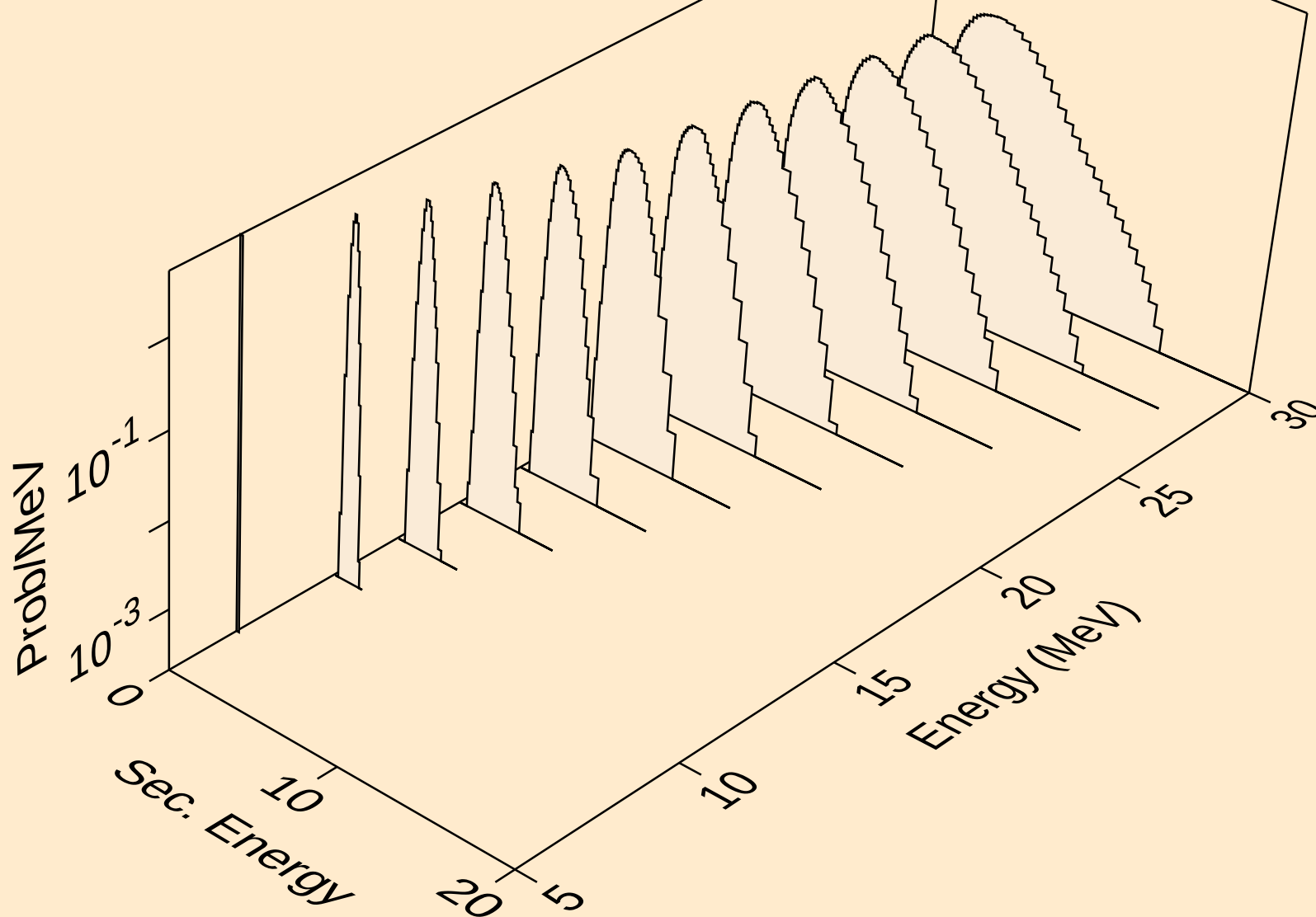
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,p)



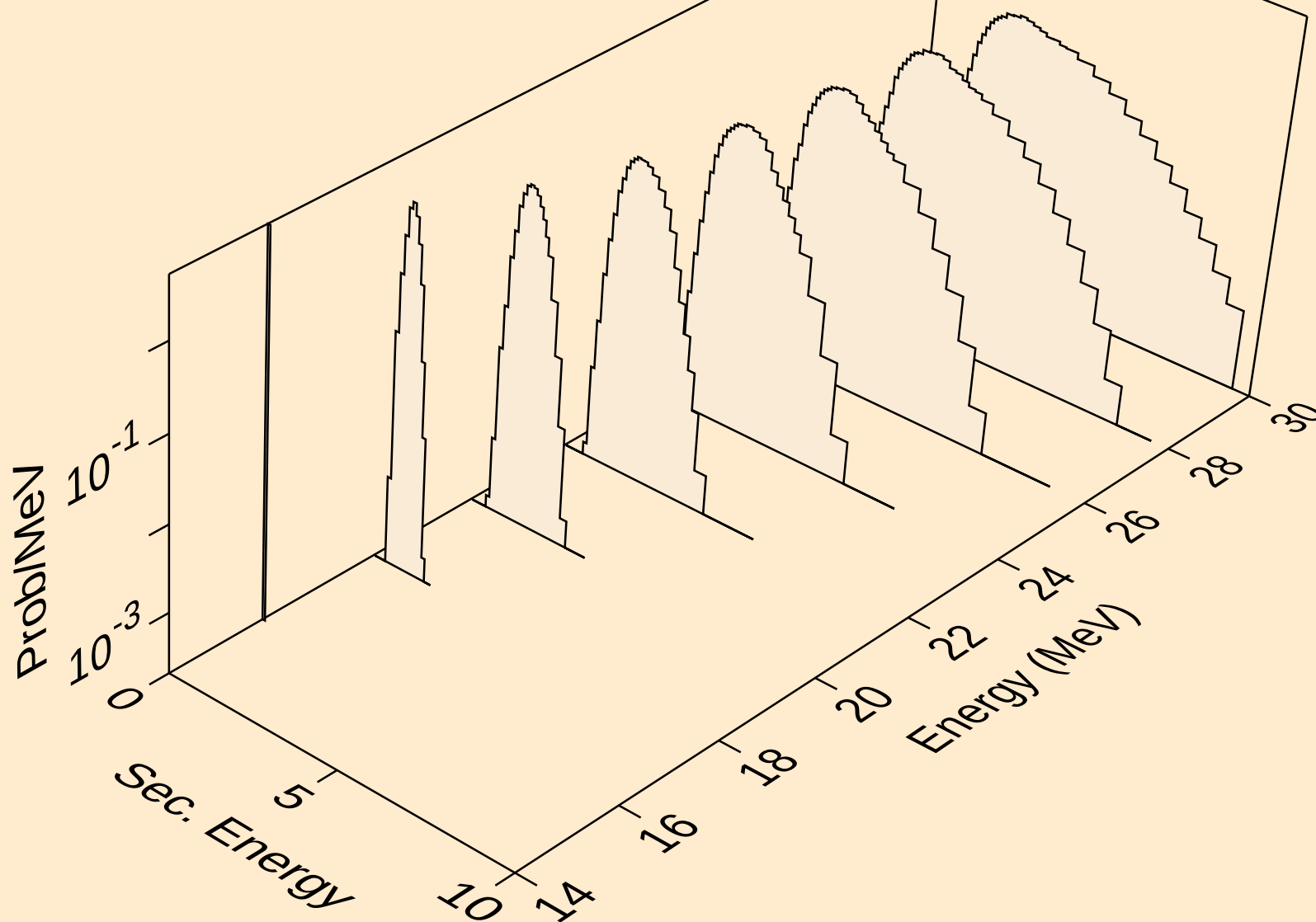
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,2p)



SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,pa)

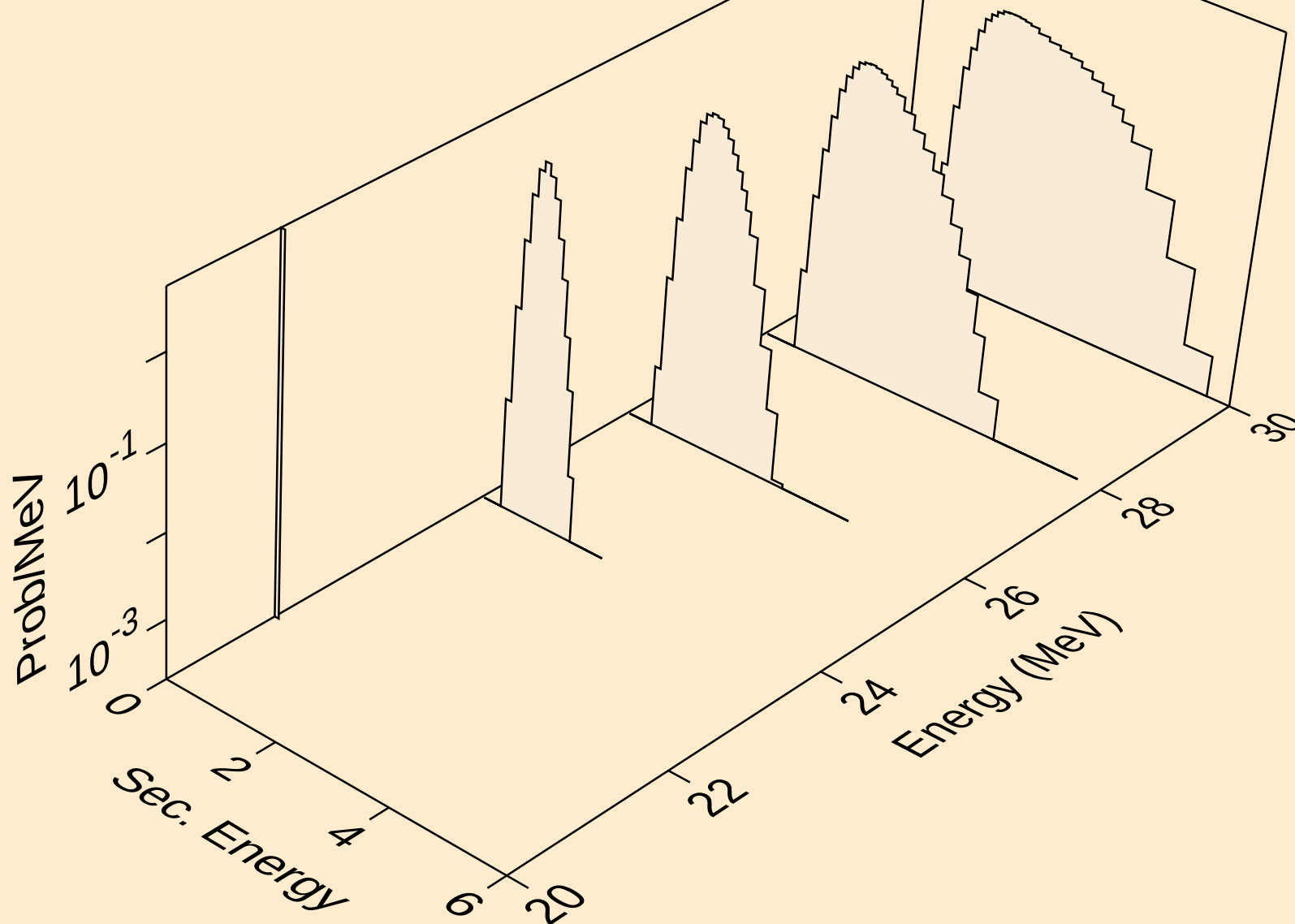


SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,pd)

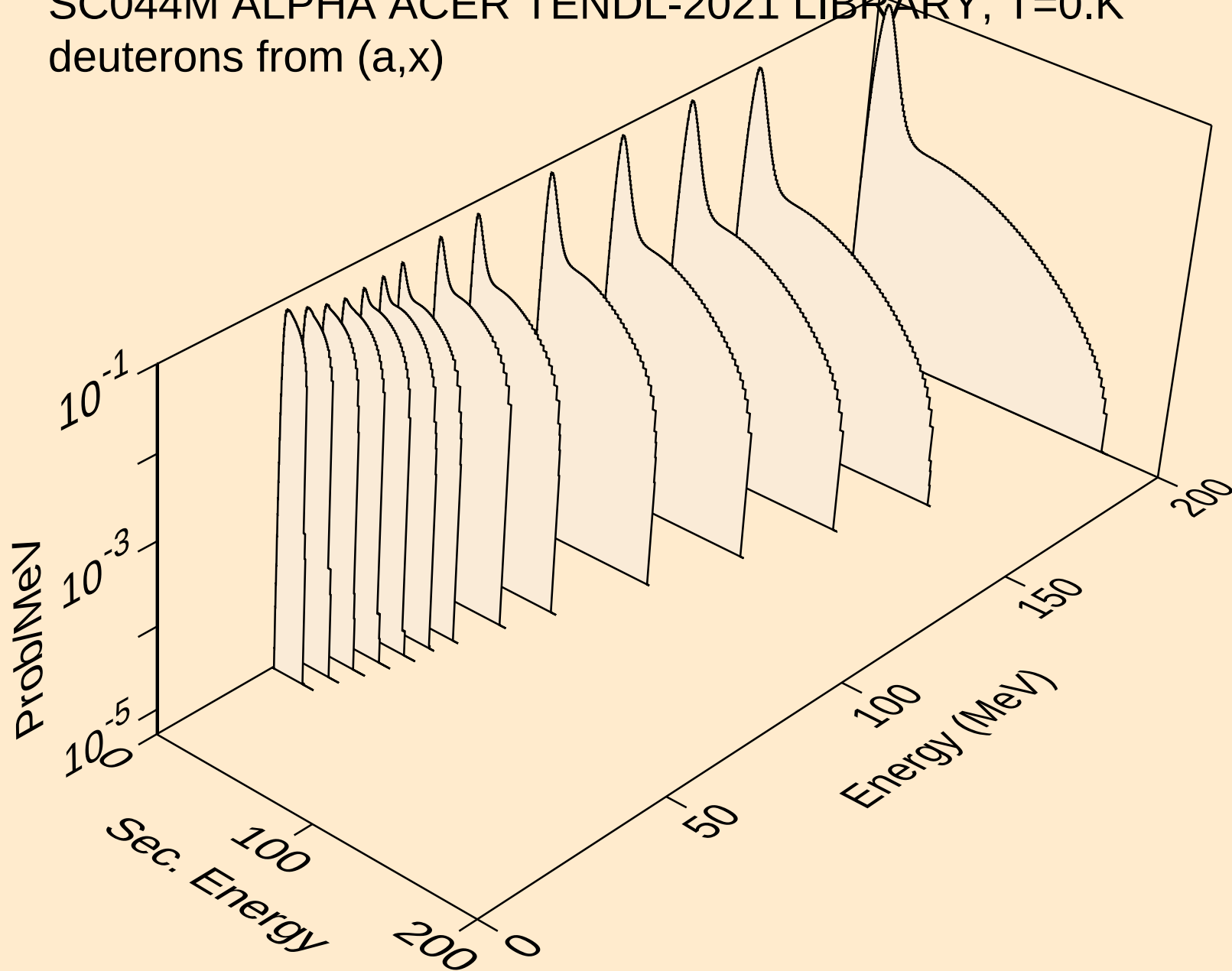




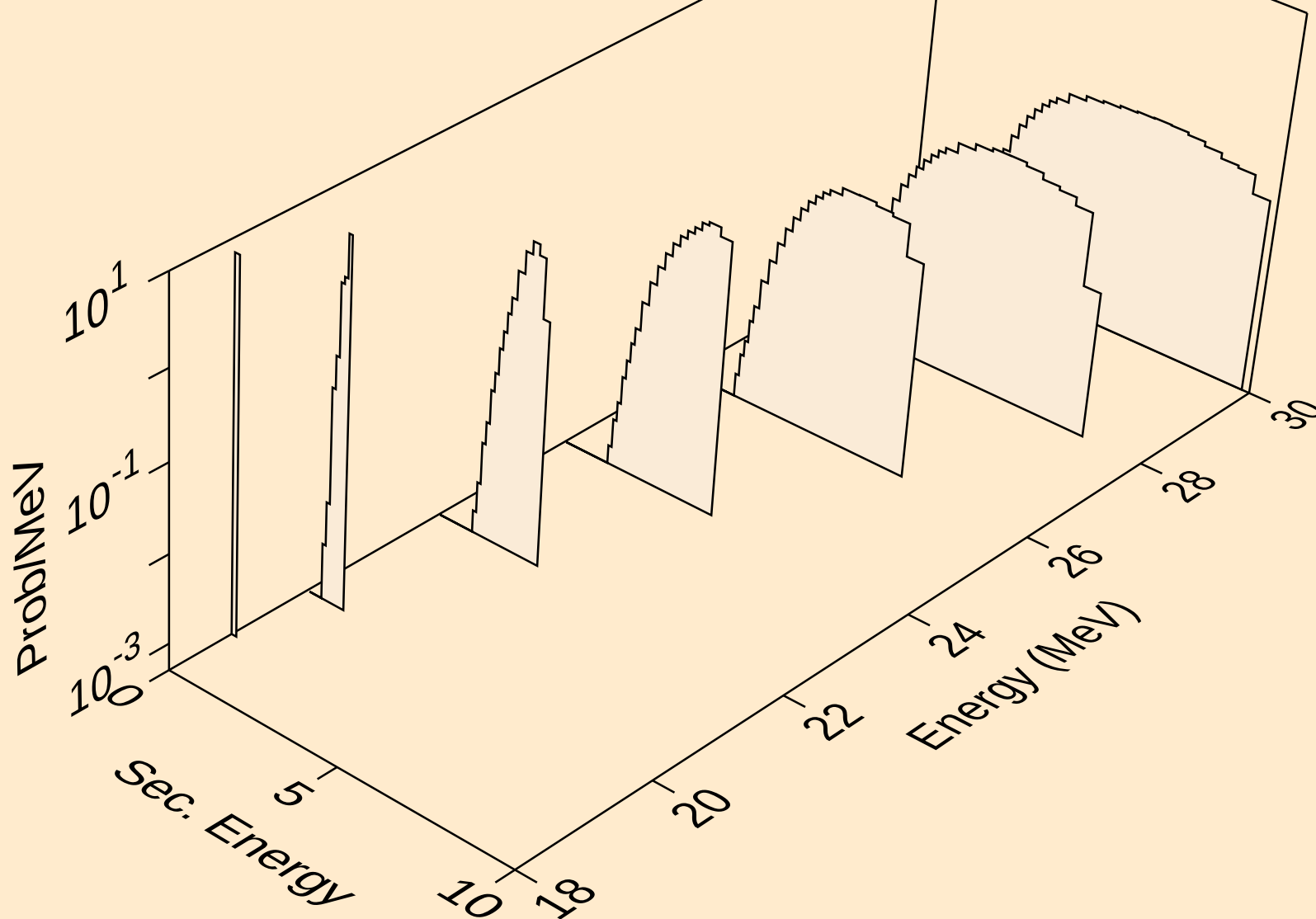
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protons from (a,pt)



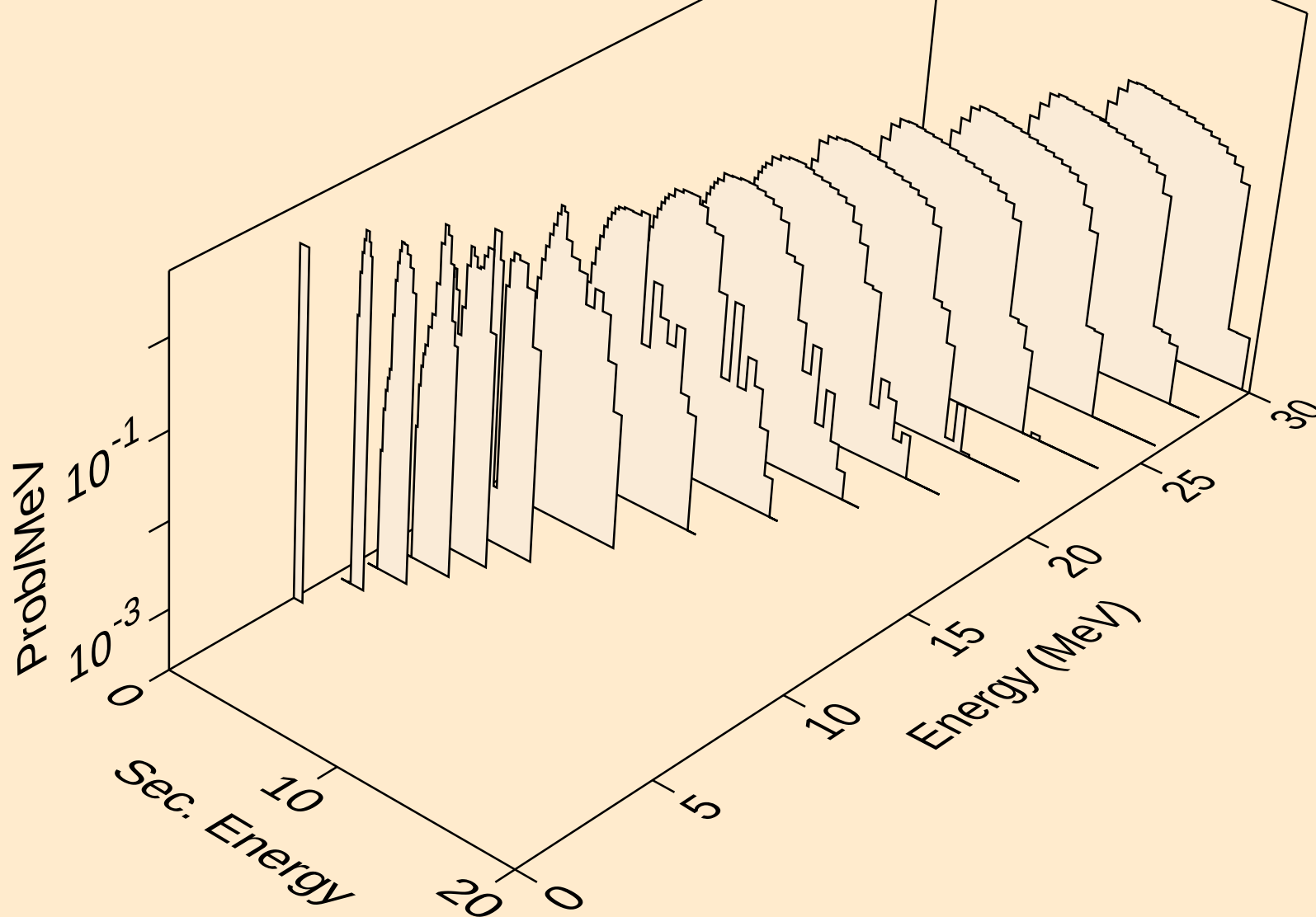
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,x)



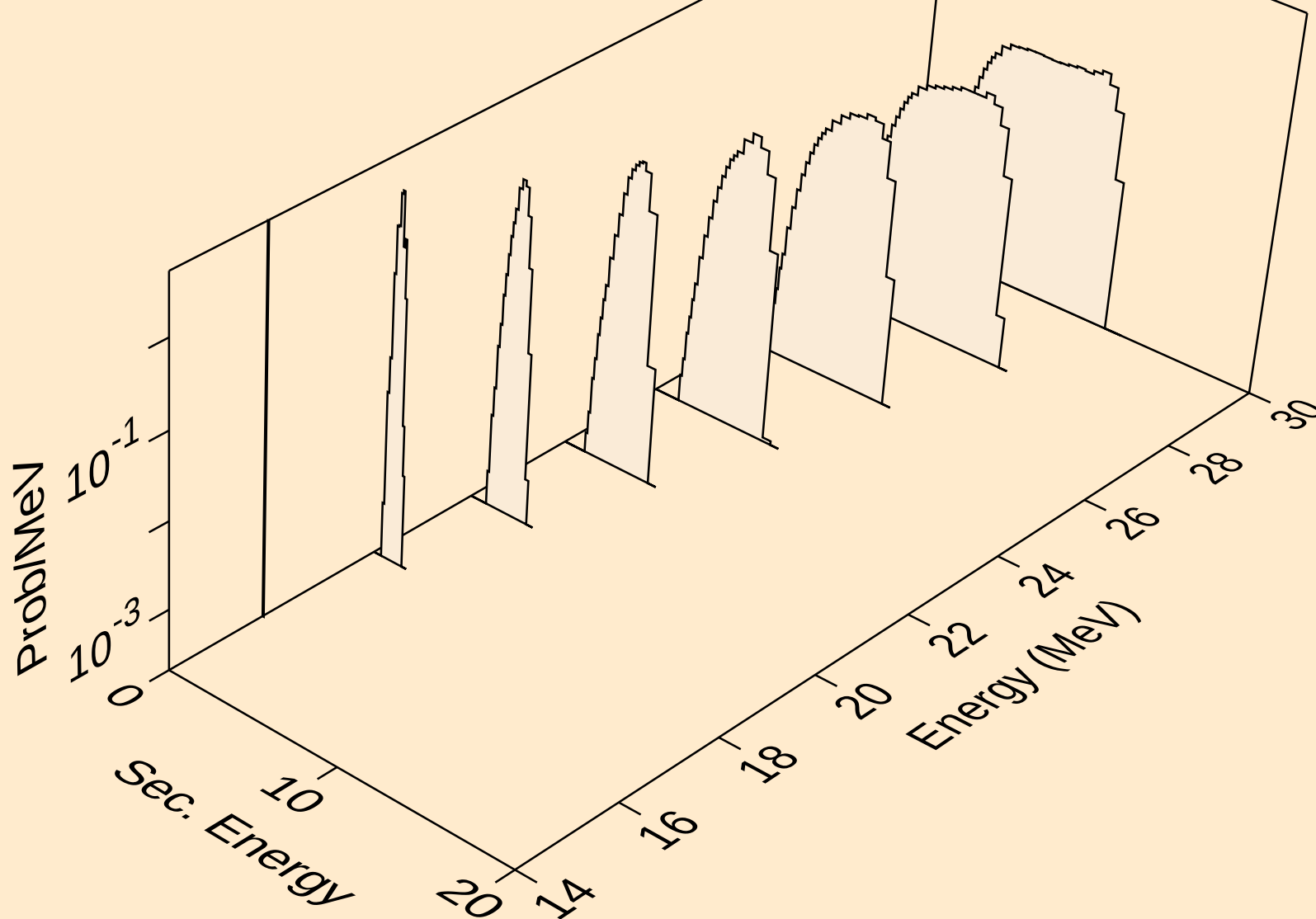
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deuterons from (a,n\*)d



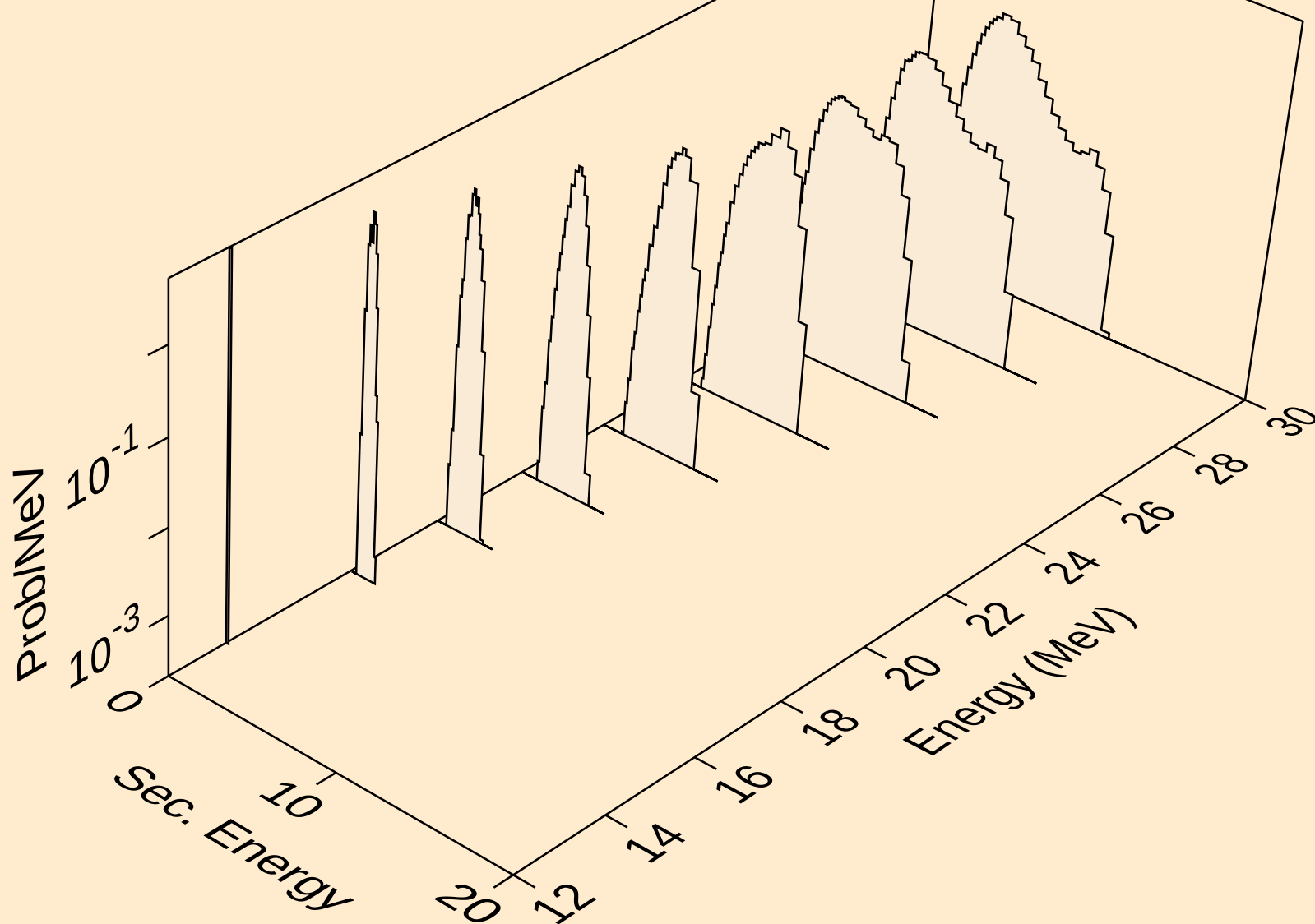
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deuterons from (a,d)



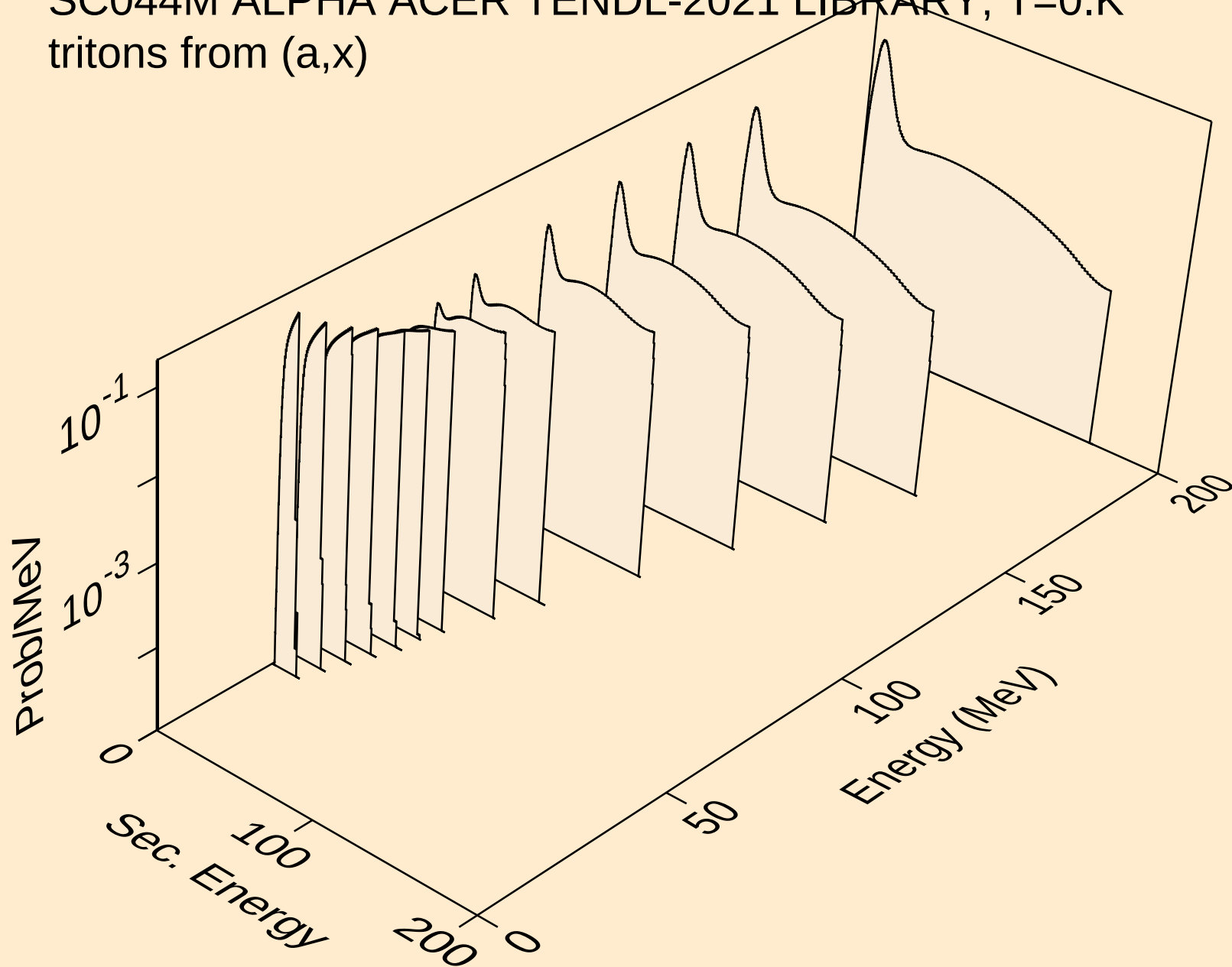
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deuterons from (a,pd)



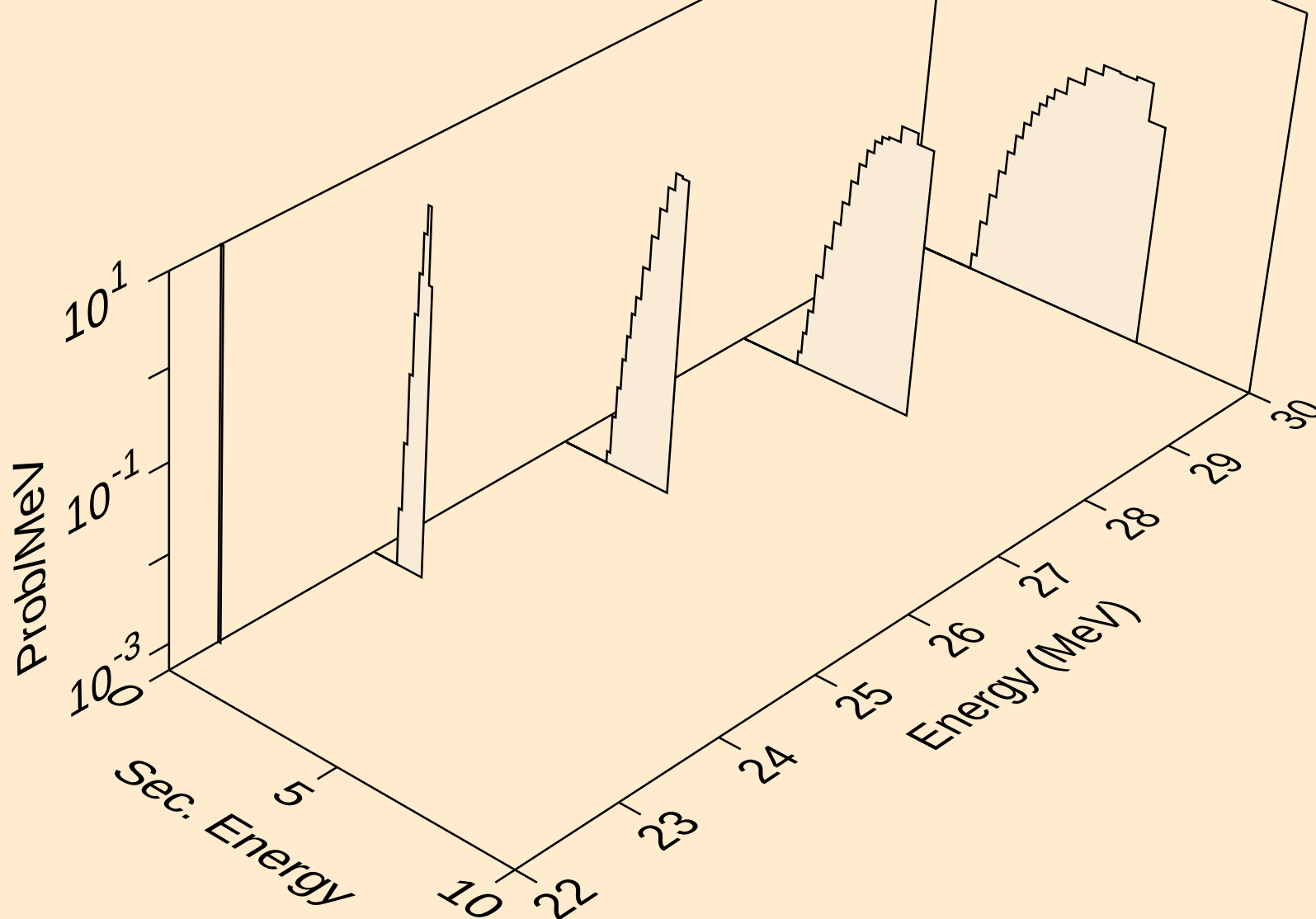
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,da)



SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (a,x)

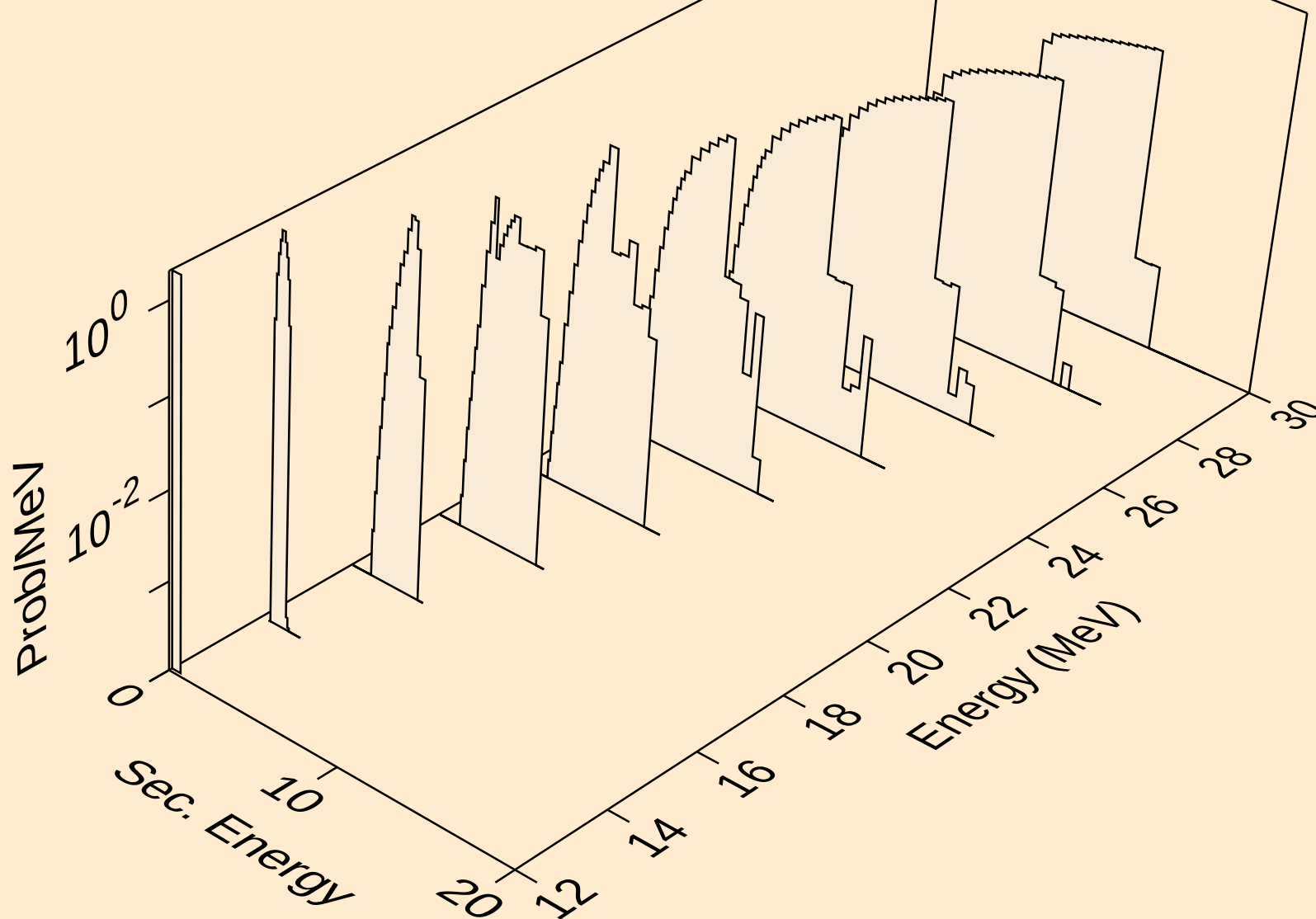


SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (a,n\*)t

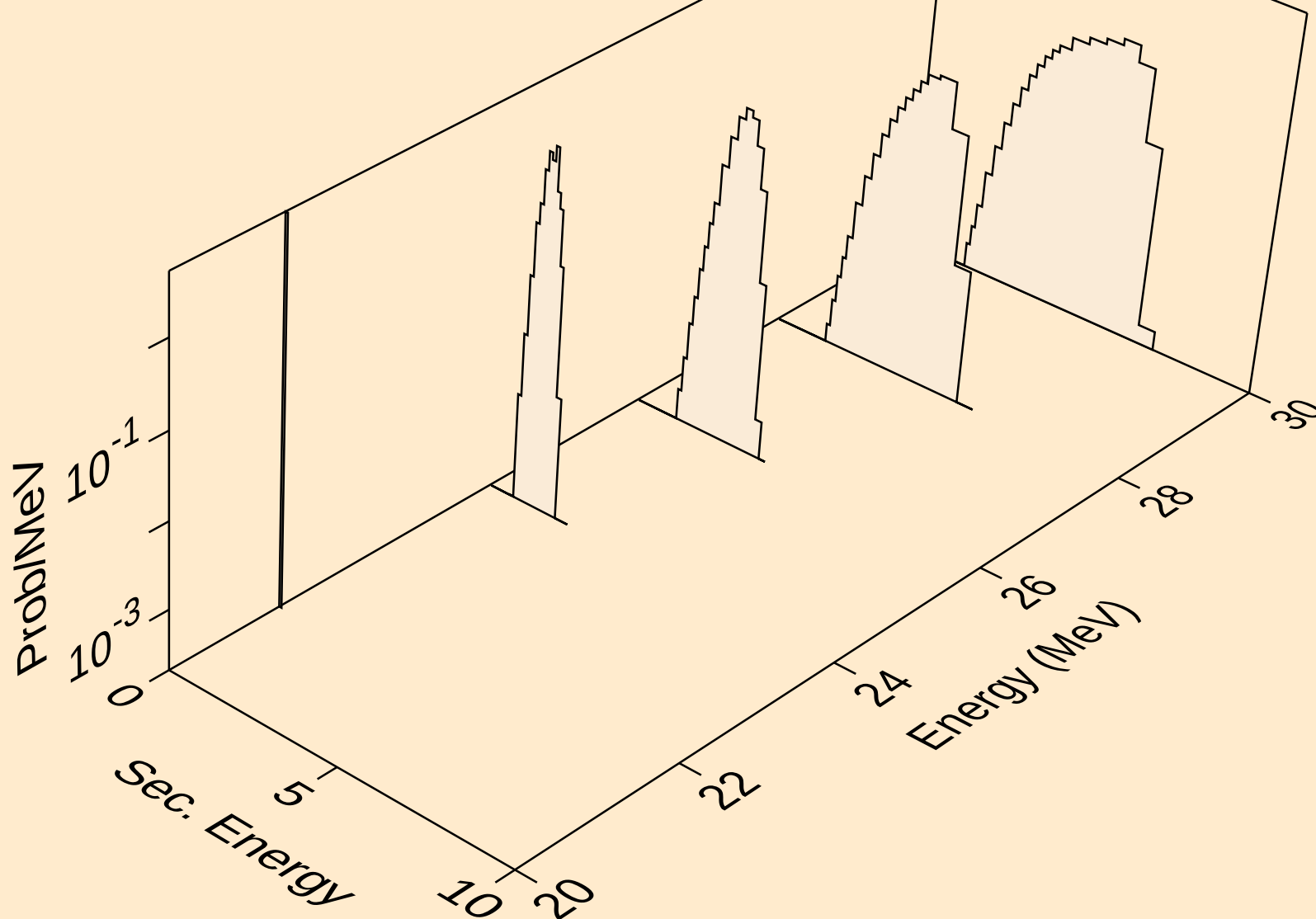




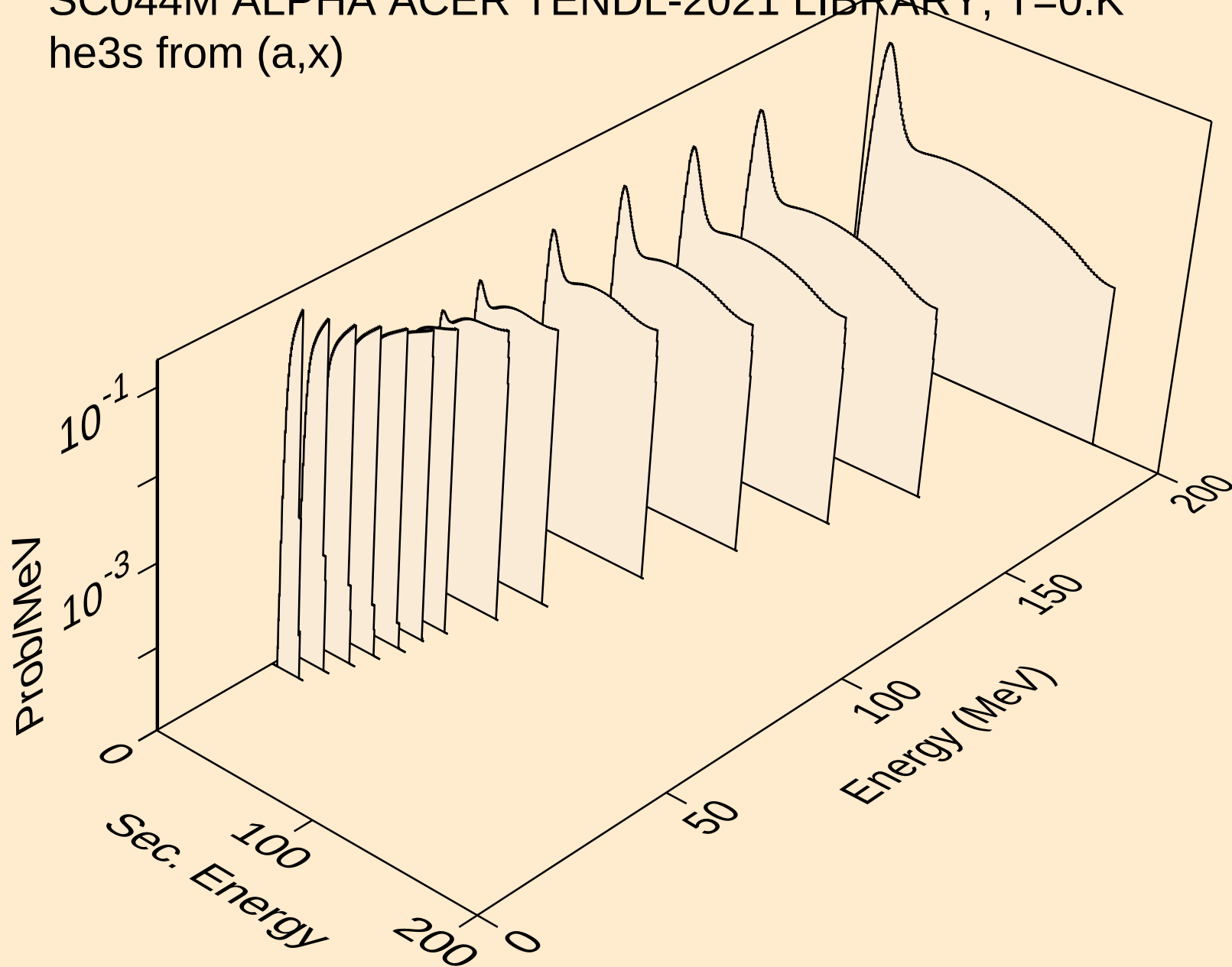
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (a,t)



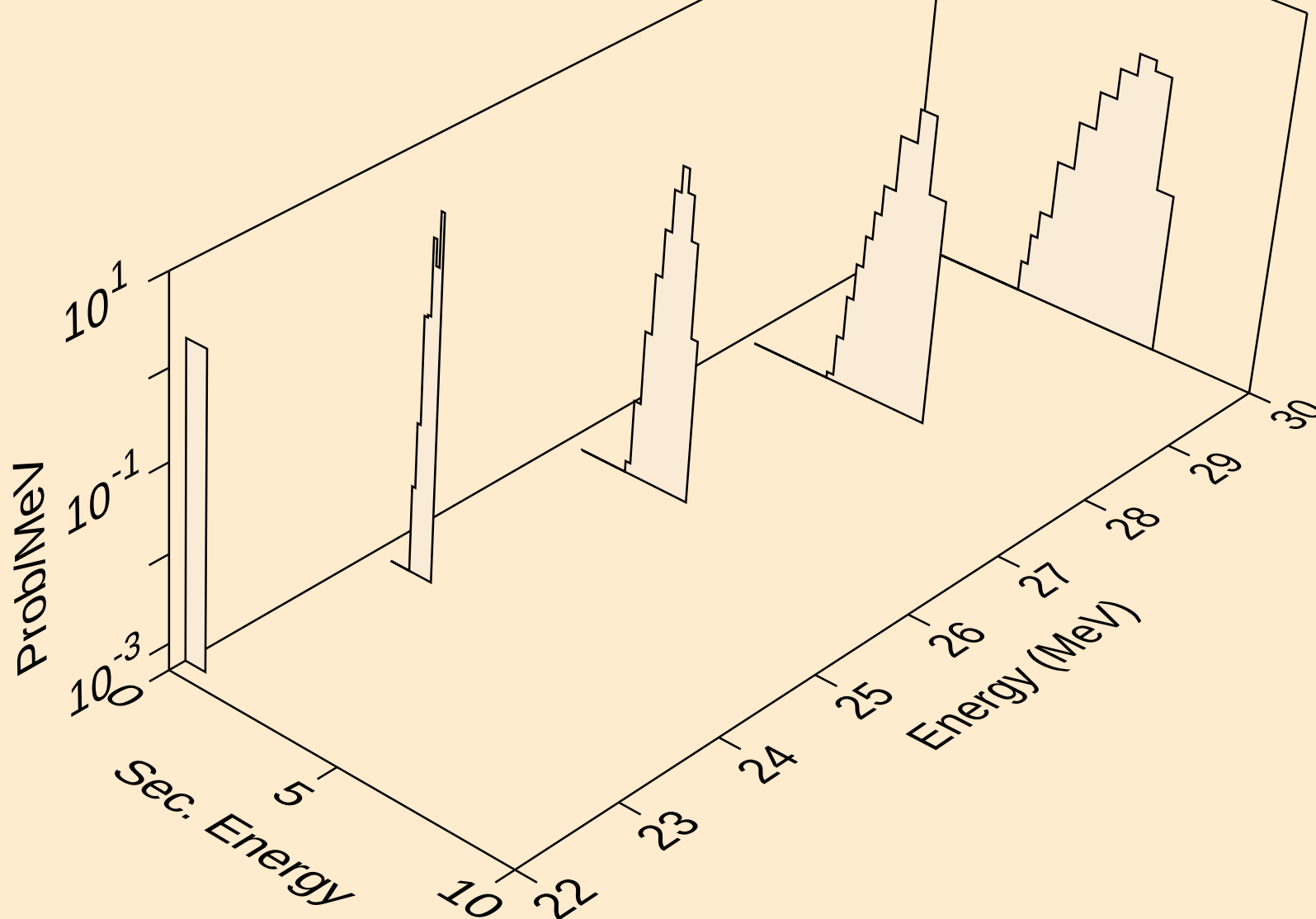
SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (a,pt)



SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (a,x)



SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (a,n\*)he3



SC044M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (a,he3)

