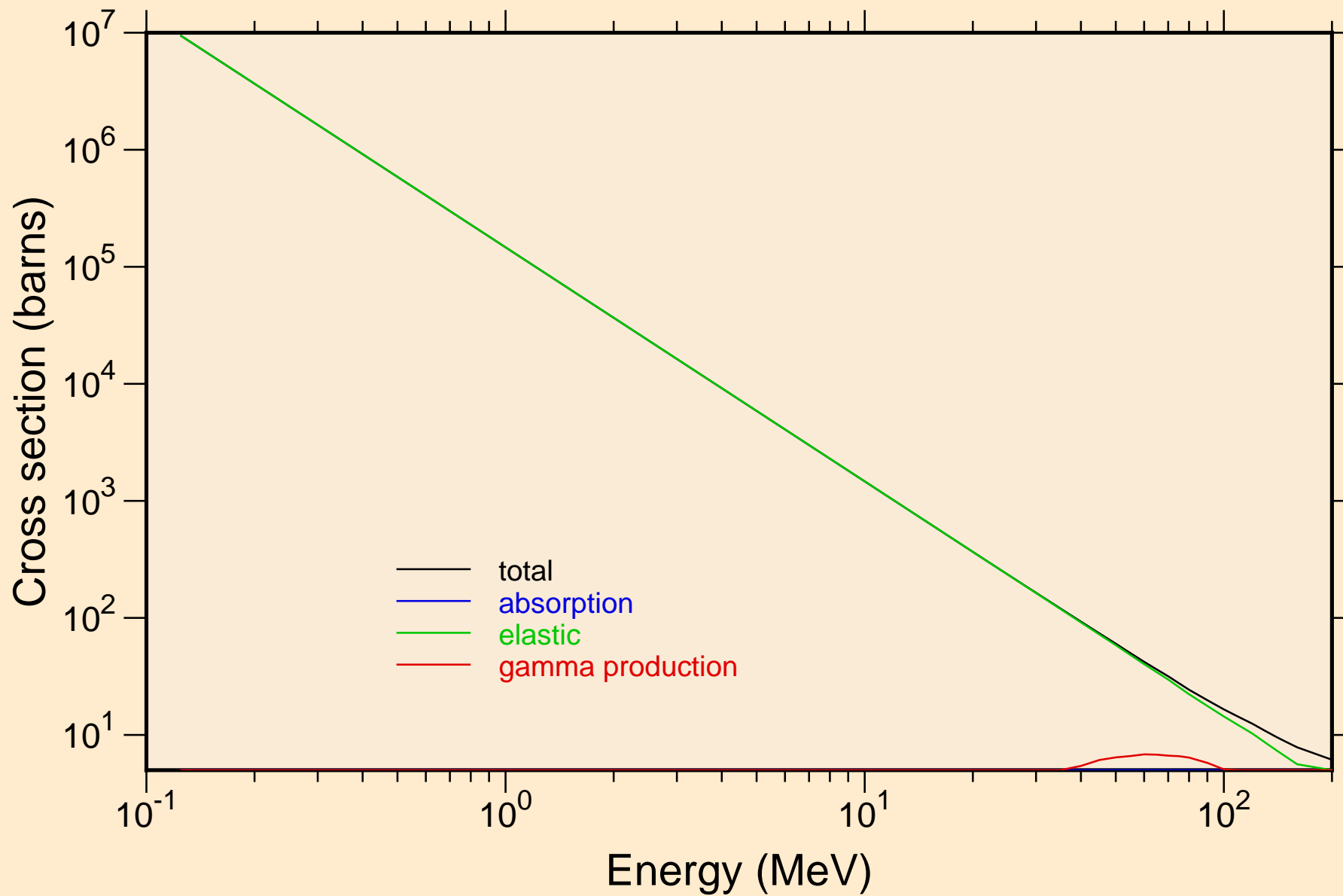


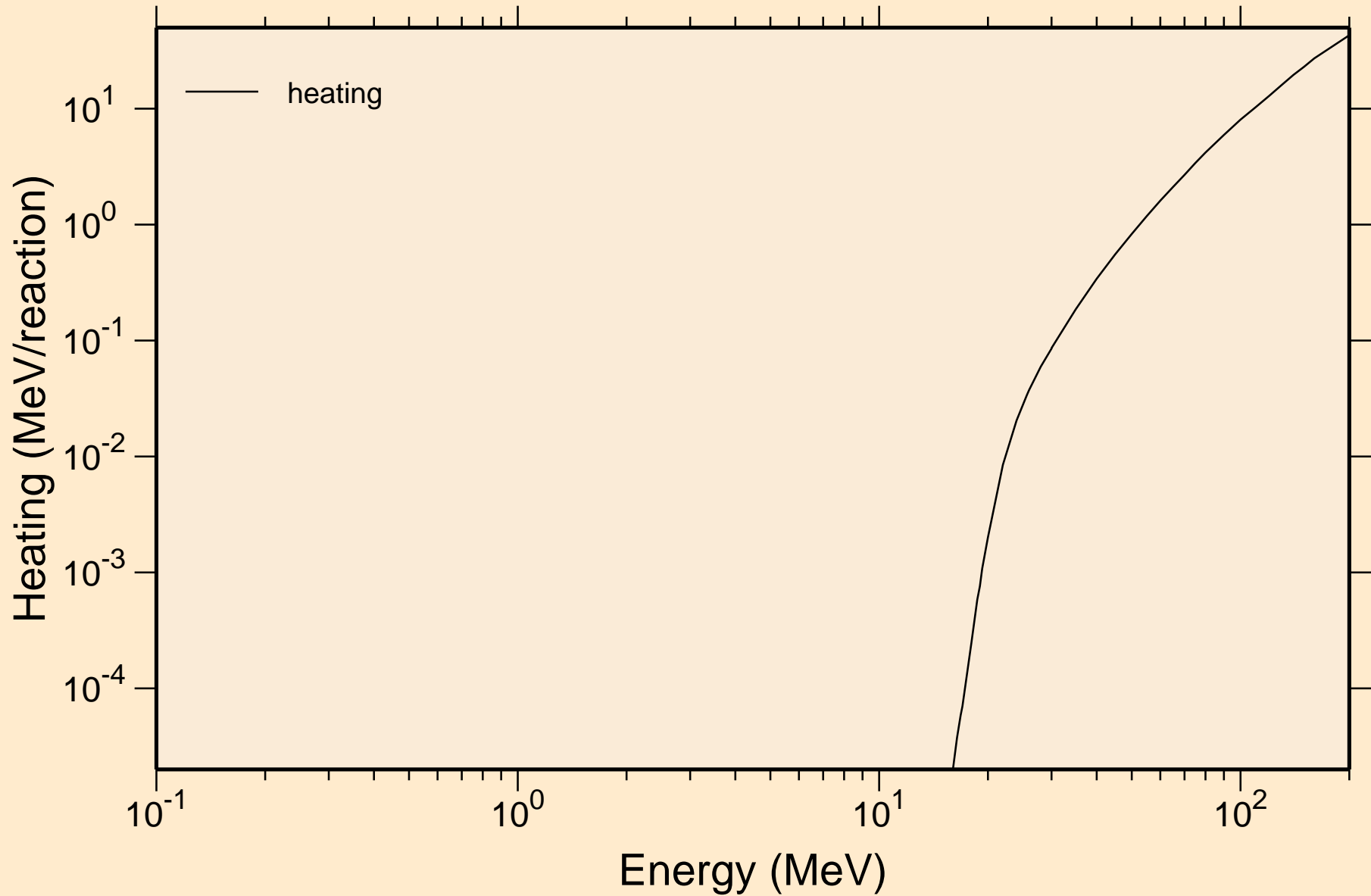
# OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



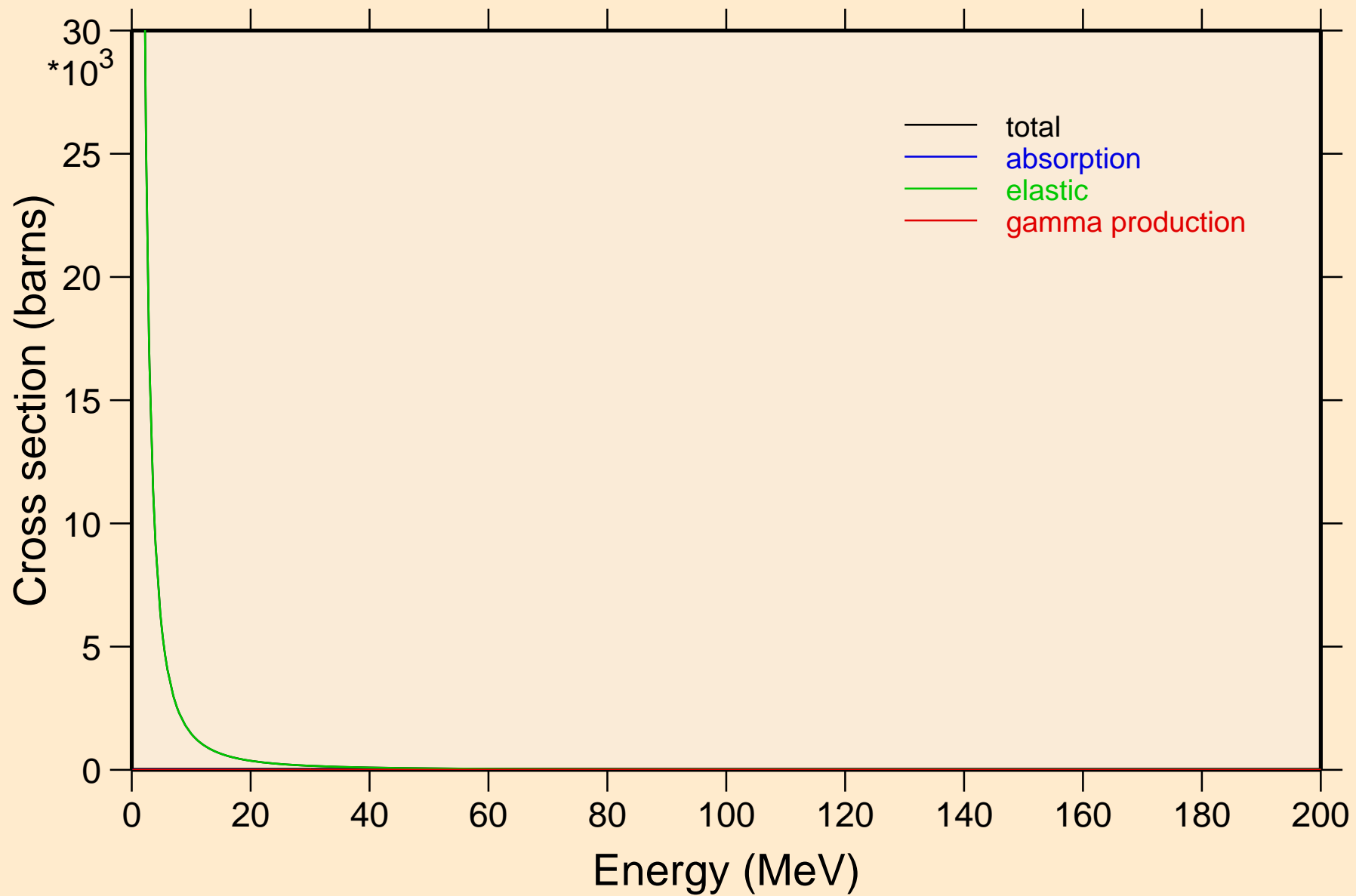
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K

Heating



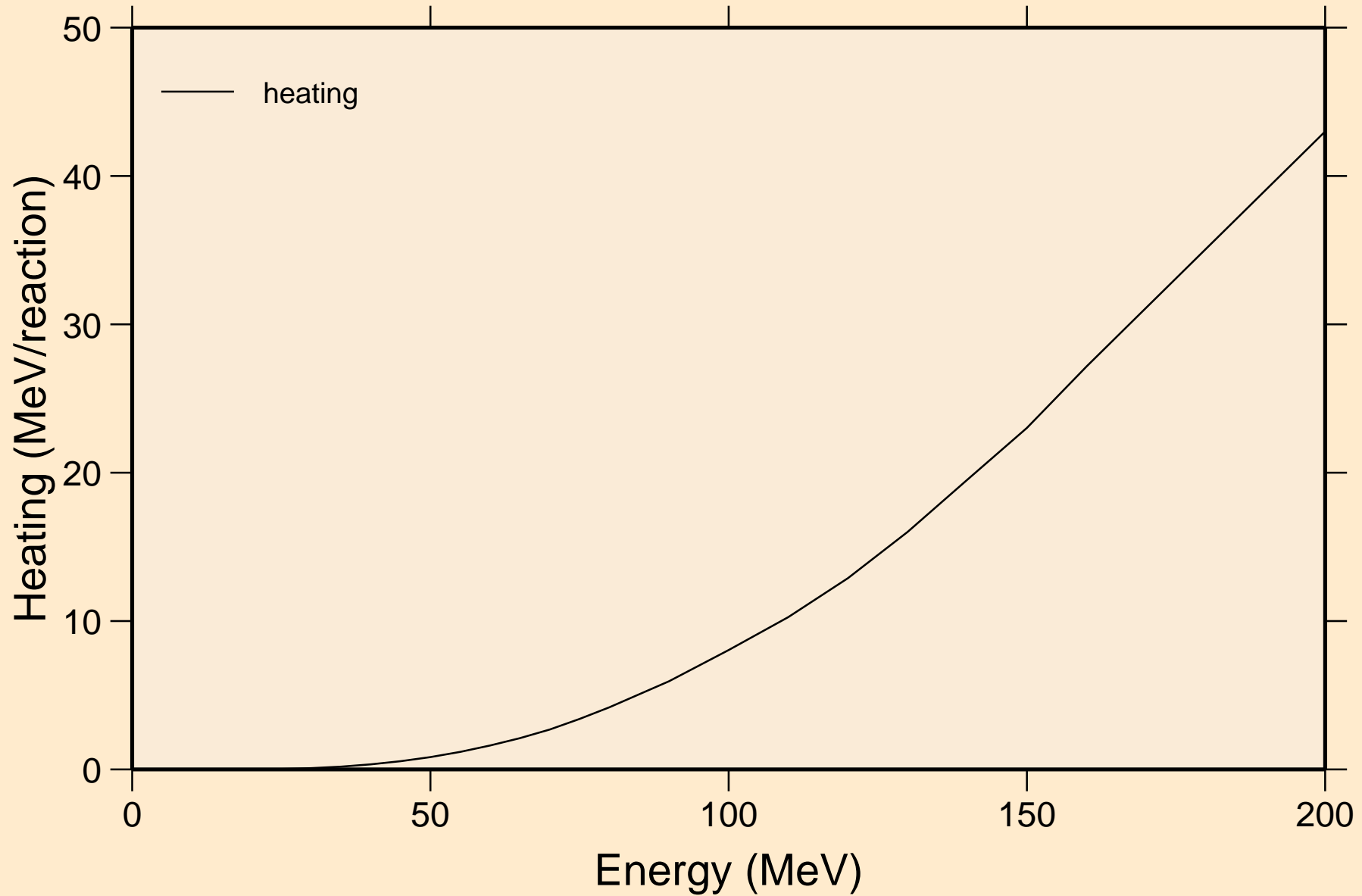
# OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections

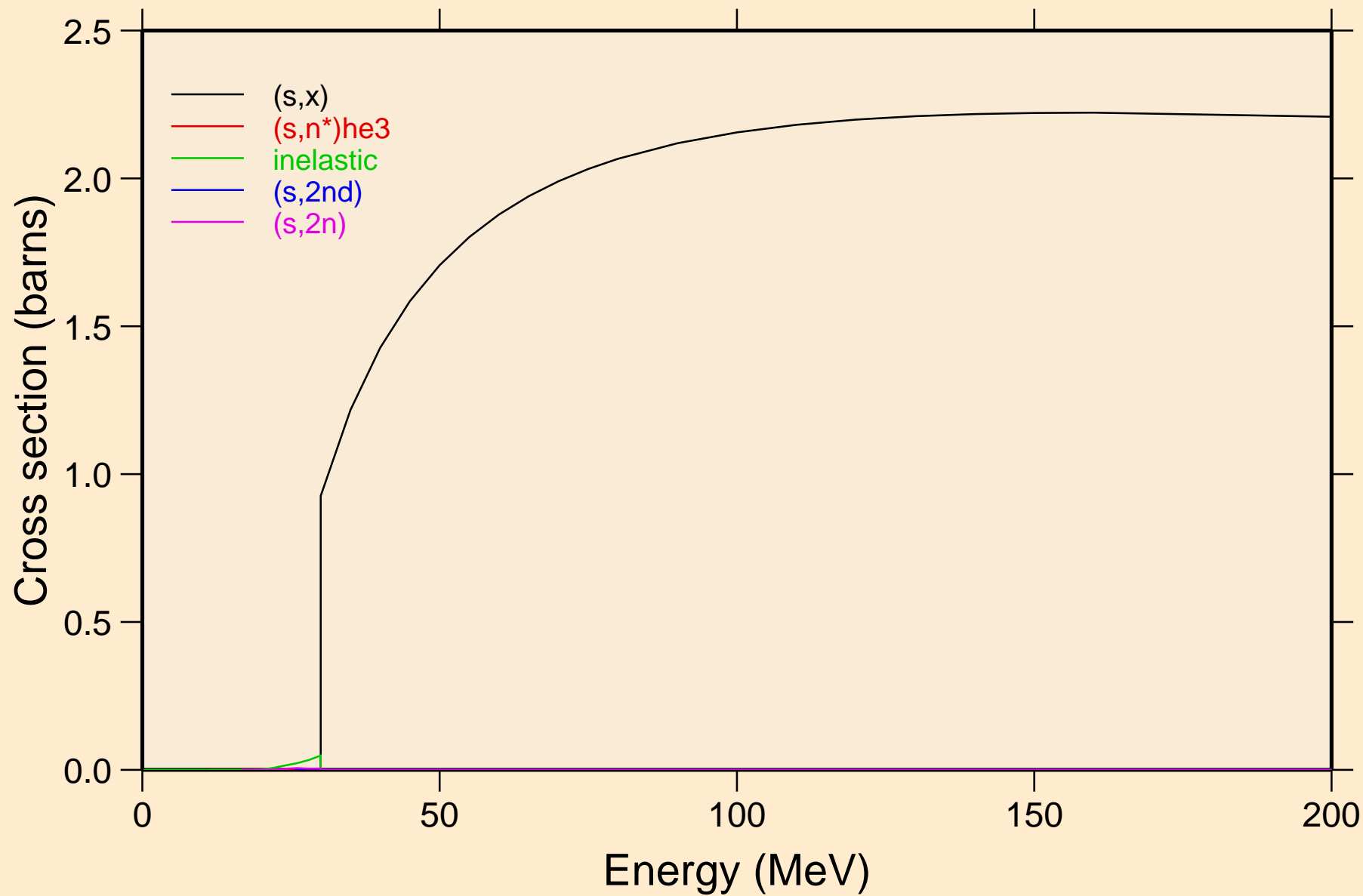


OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K

Heating

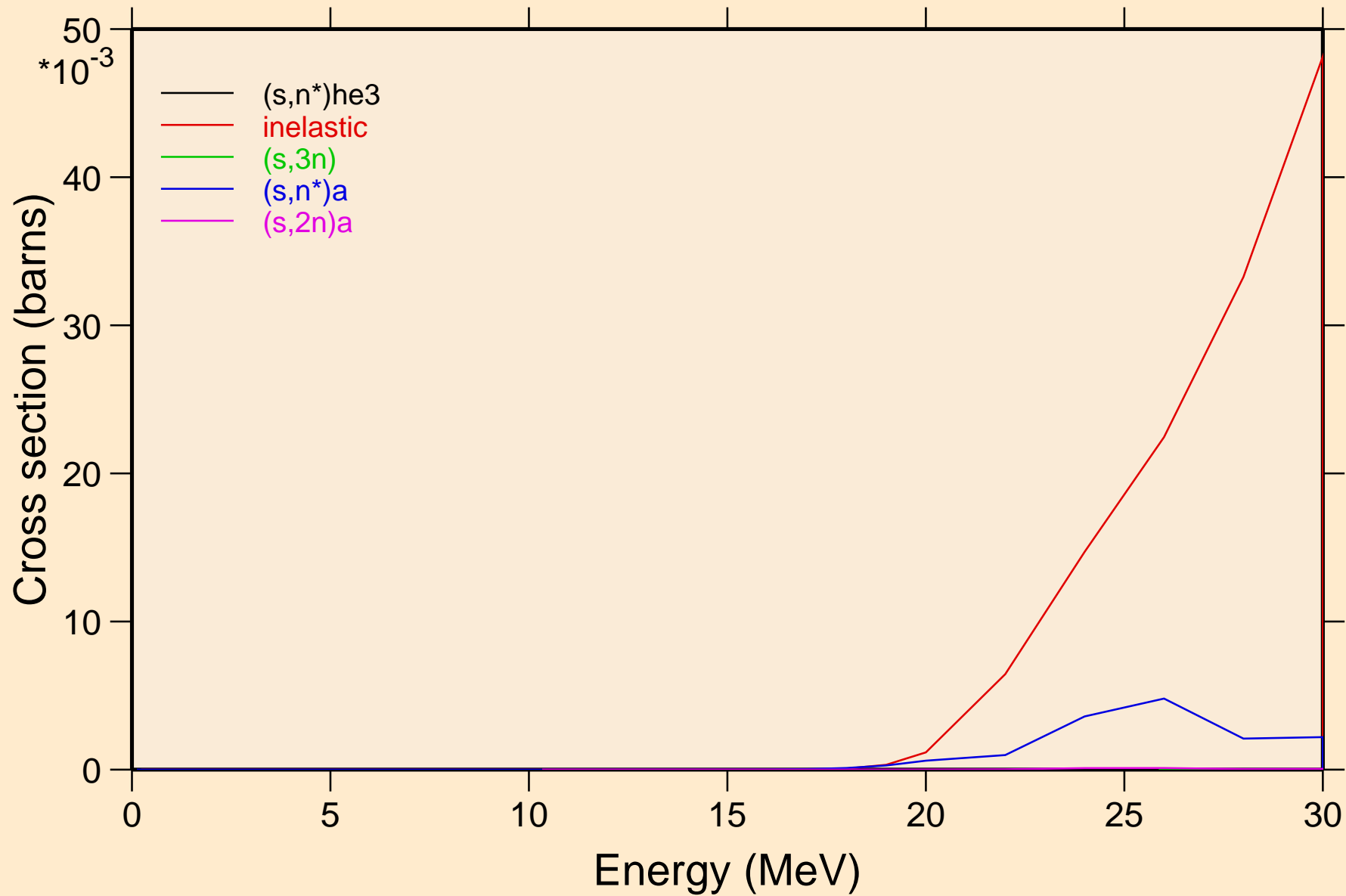


OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

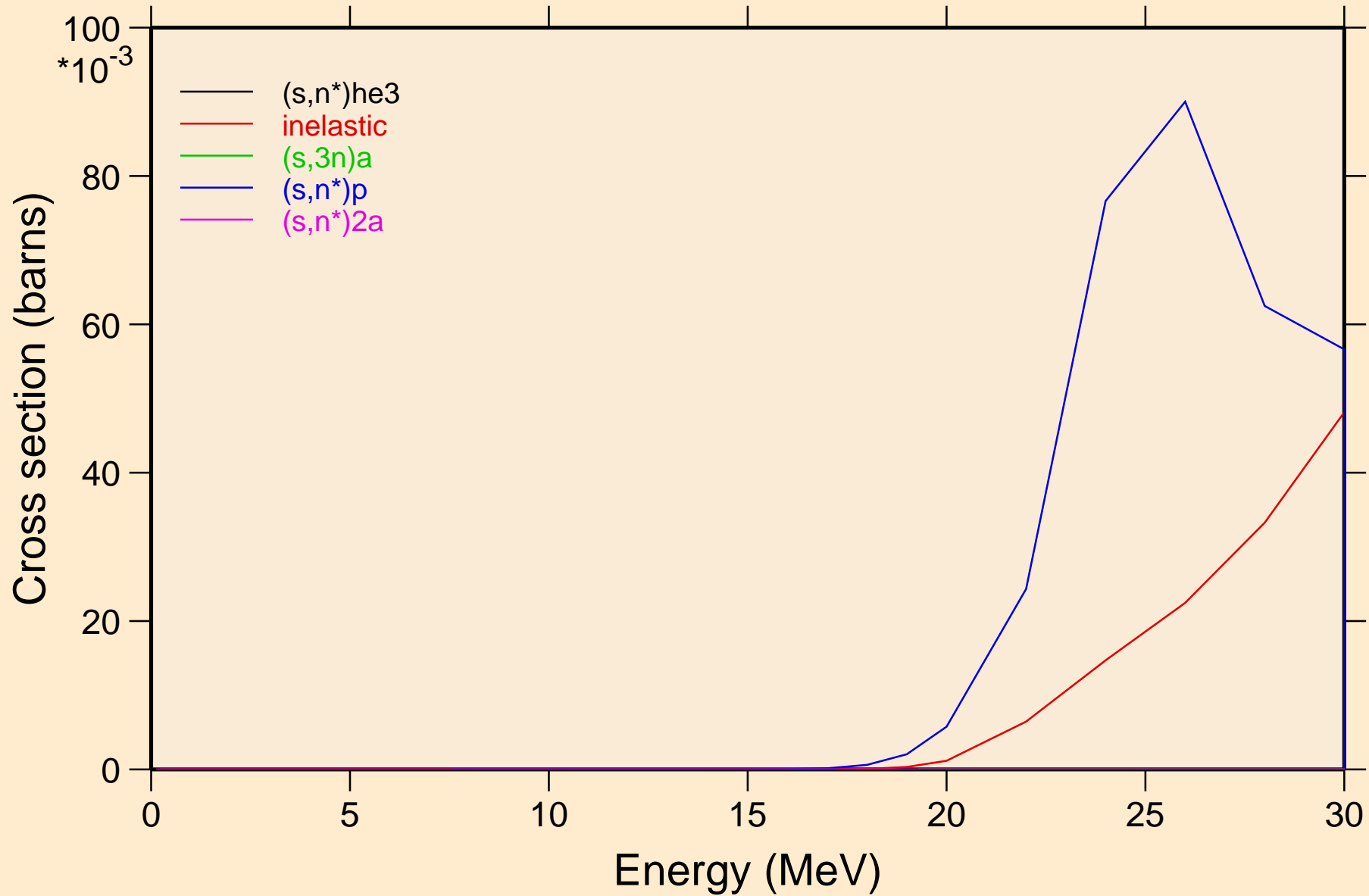


# OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K

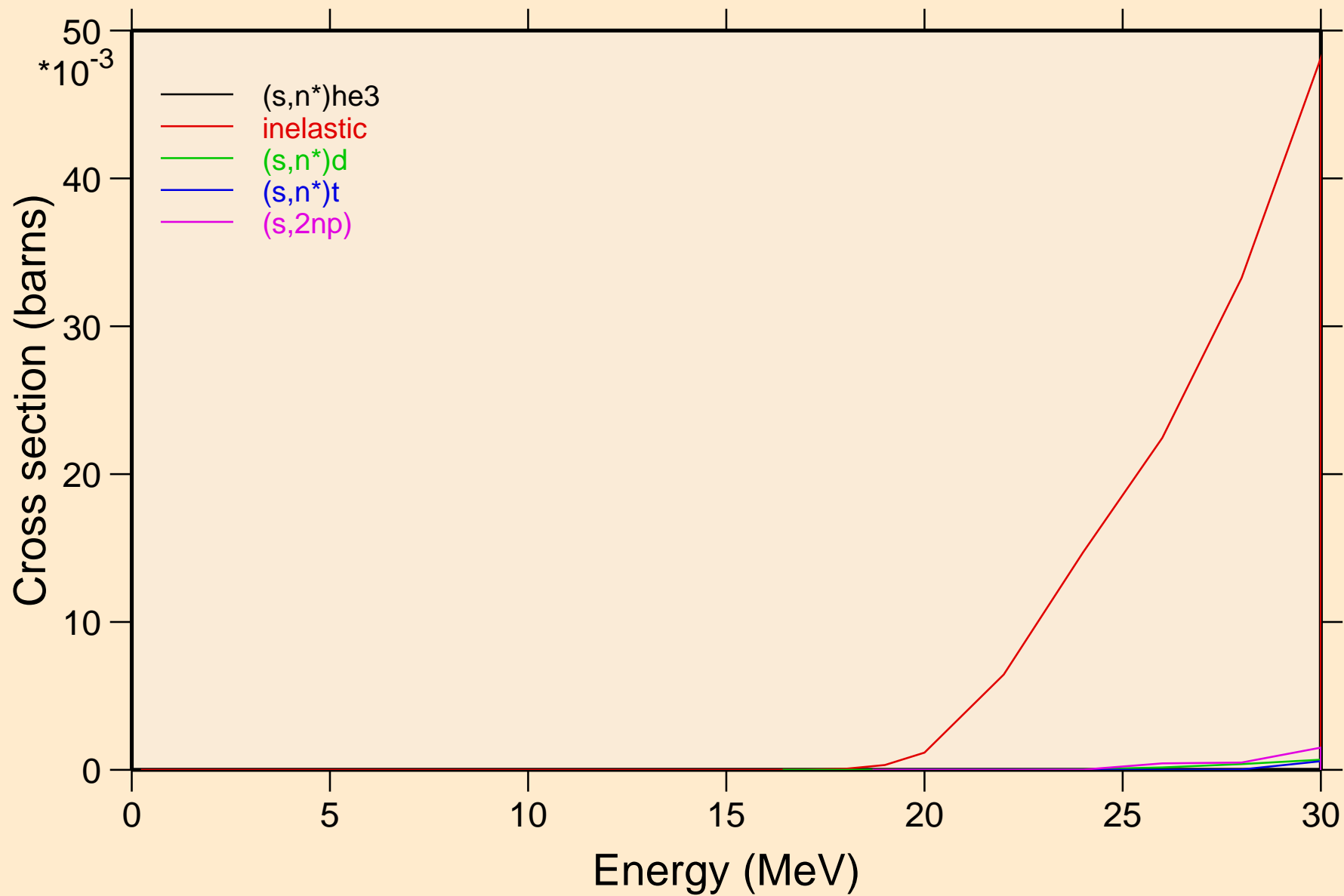
## Threshold reactions



OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



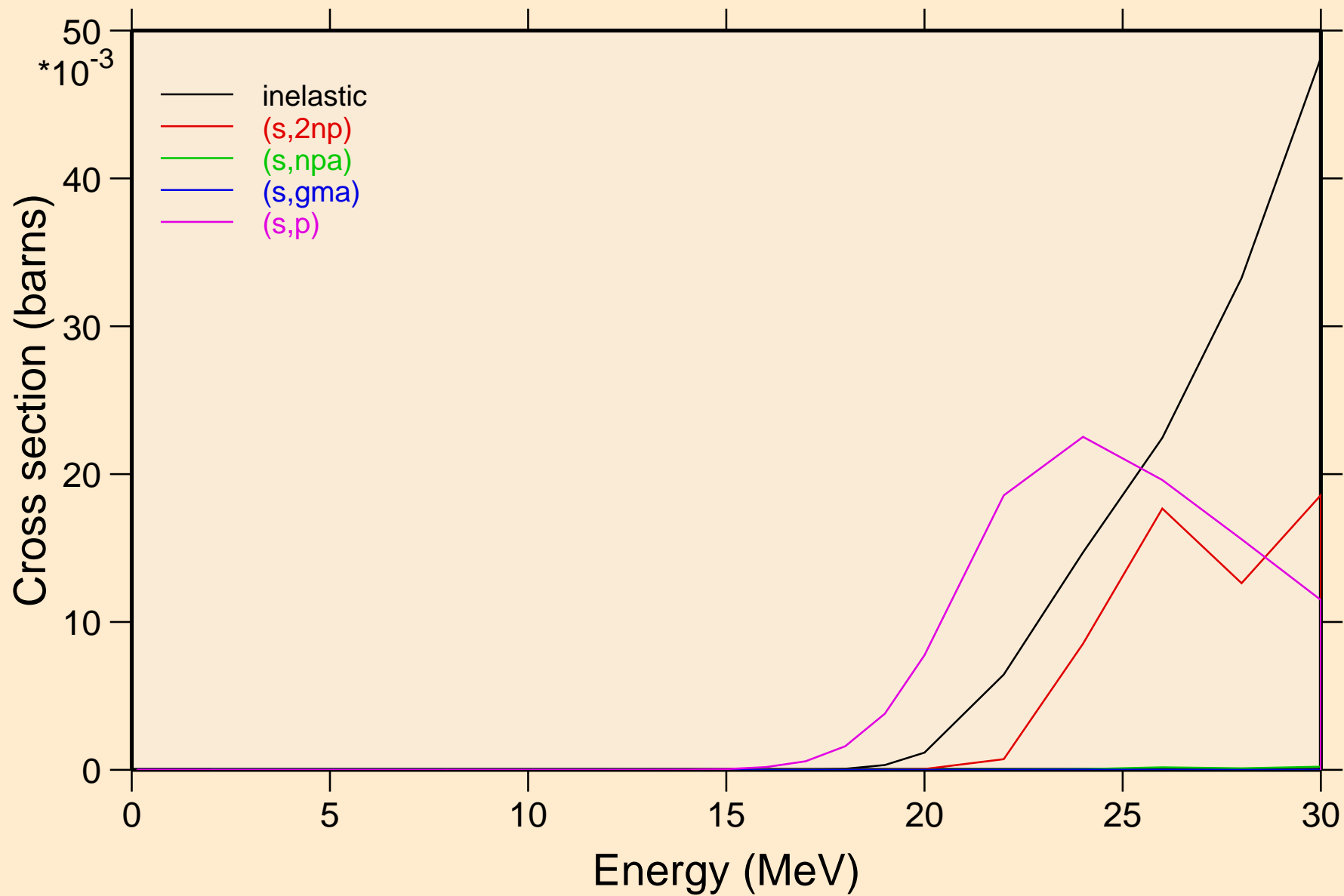
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



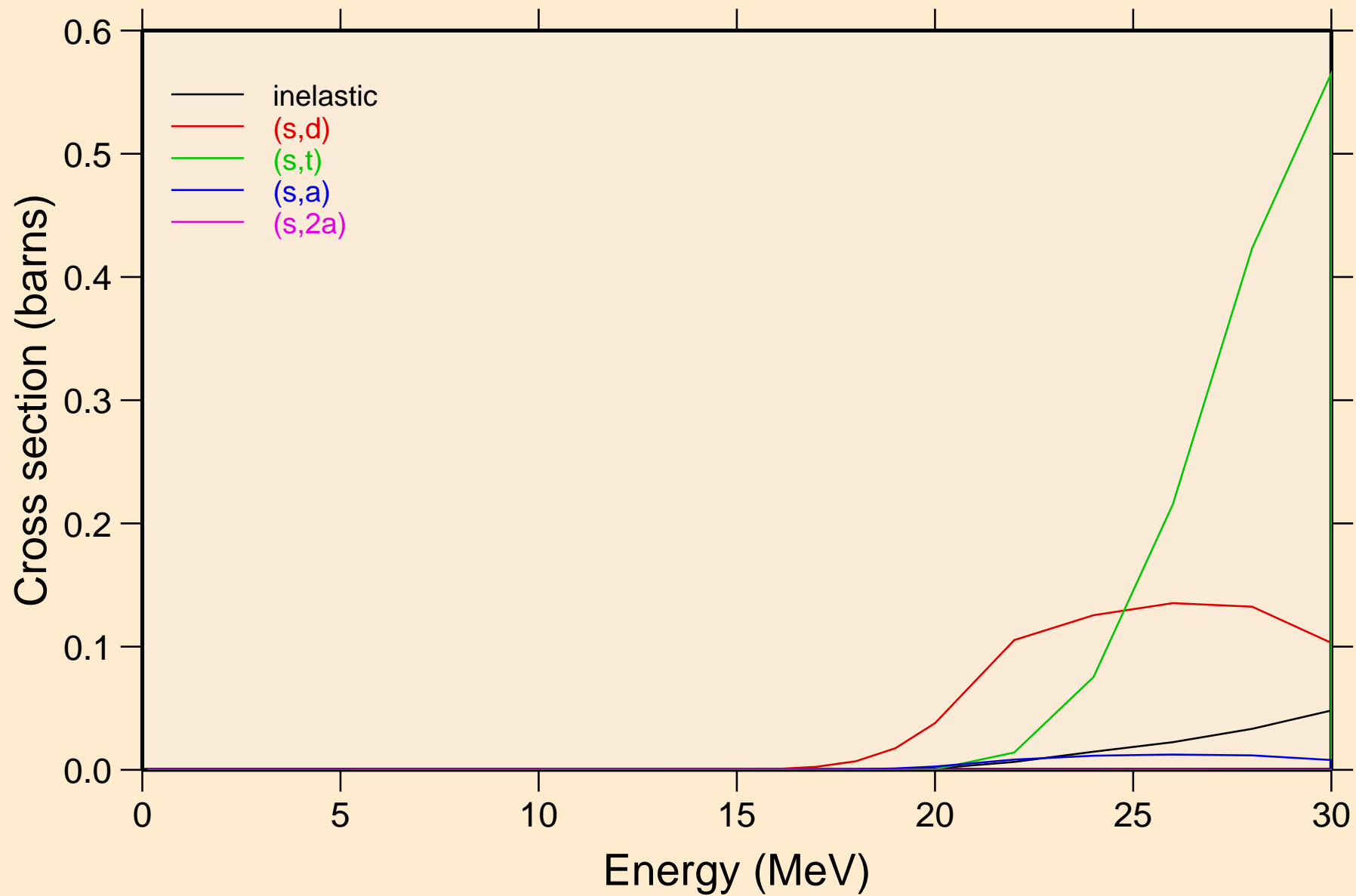


# OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K

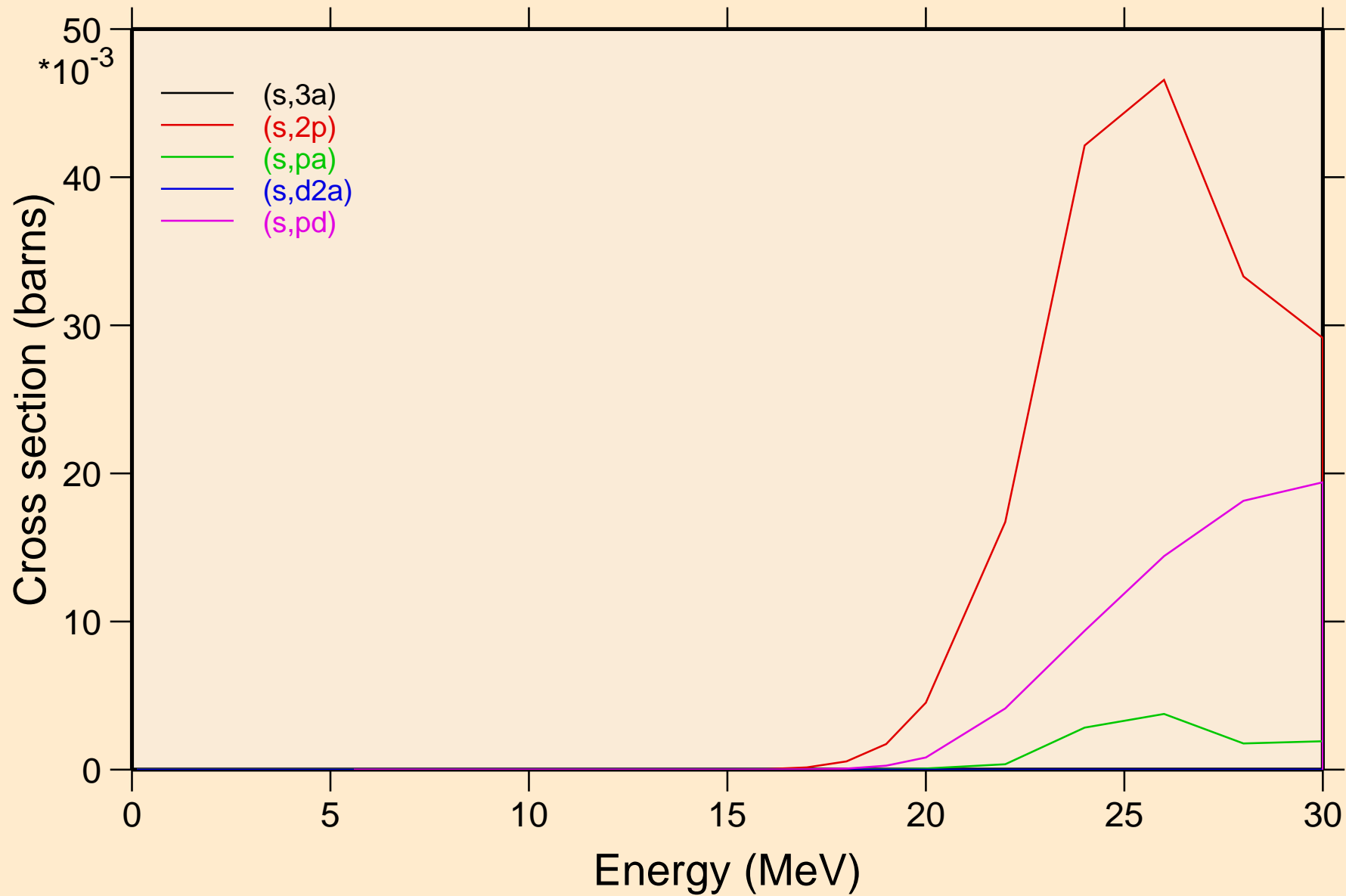
## Threshold reactions



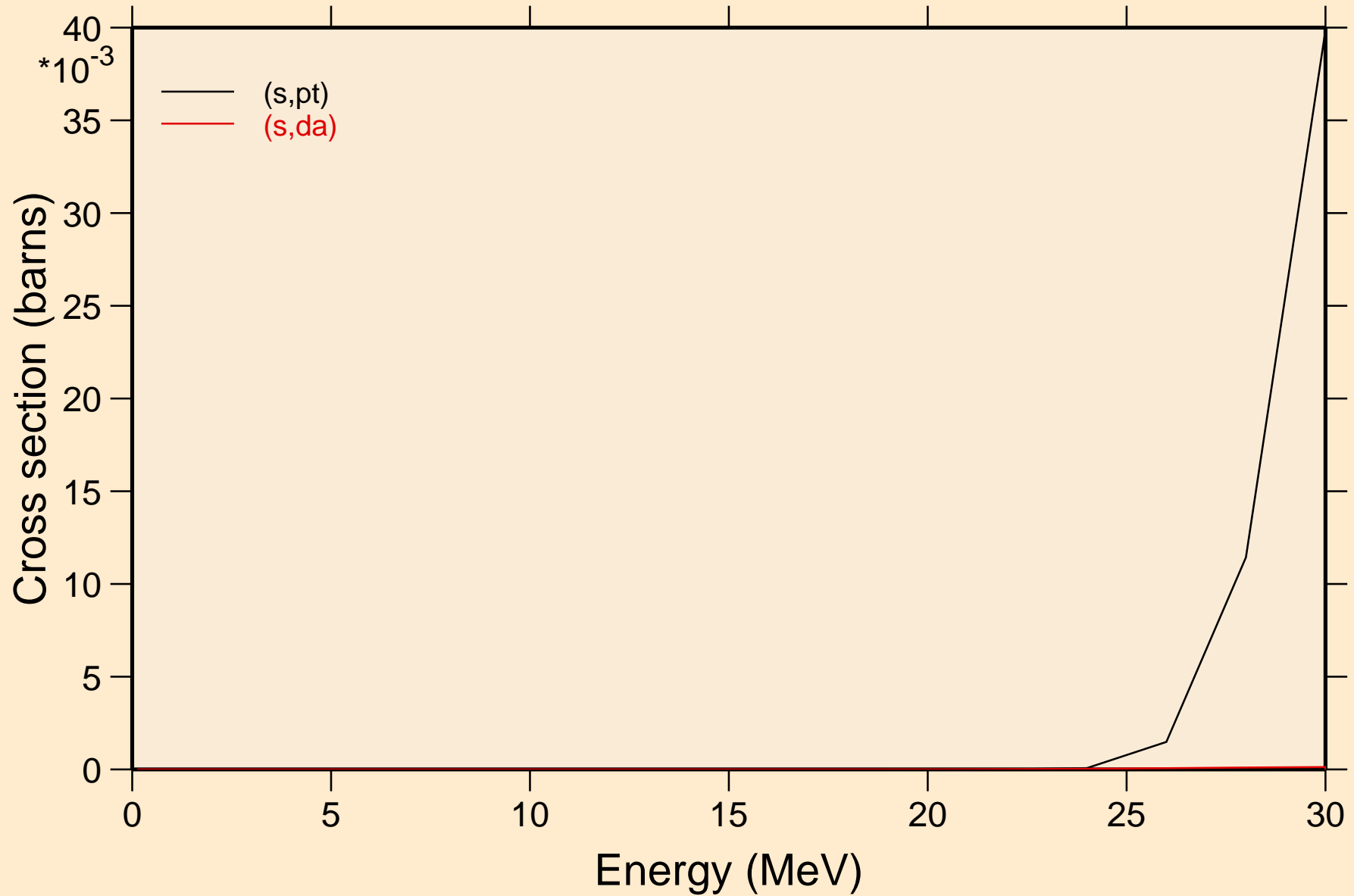
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



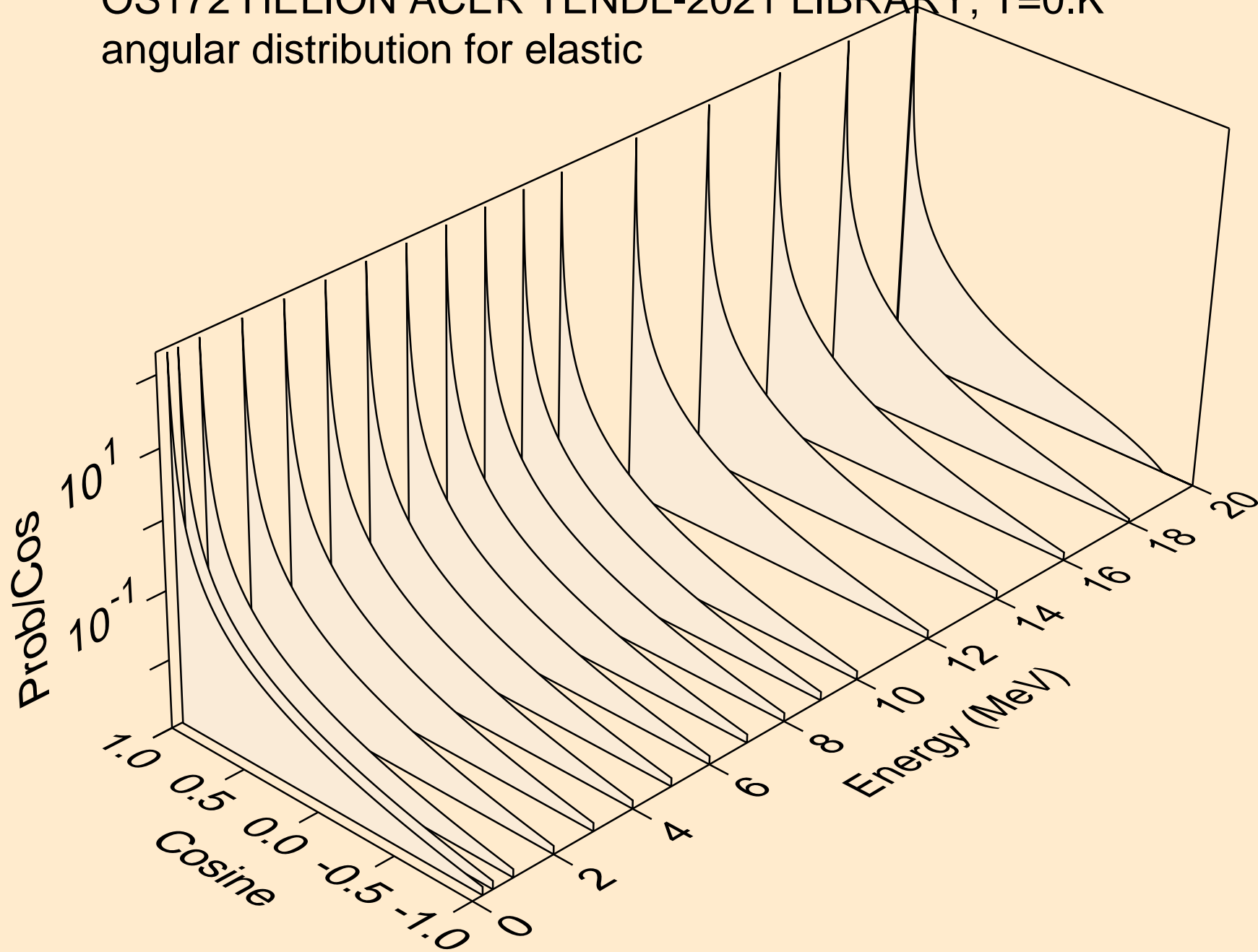
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



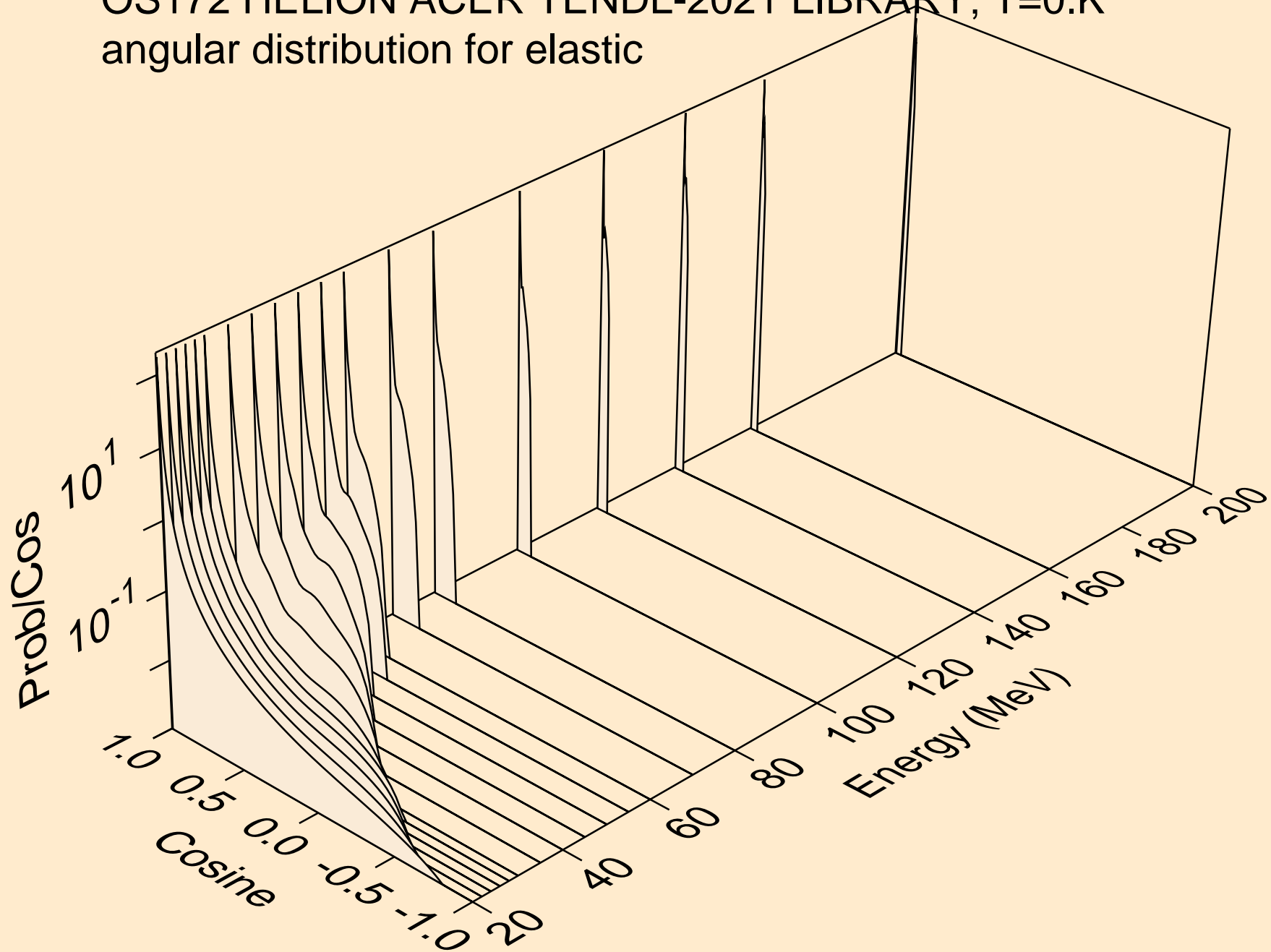
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



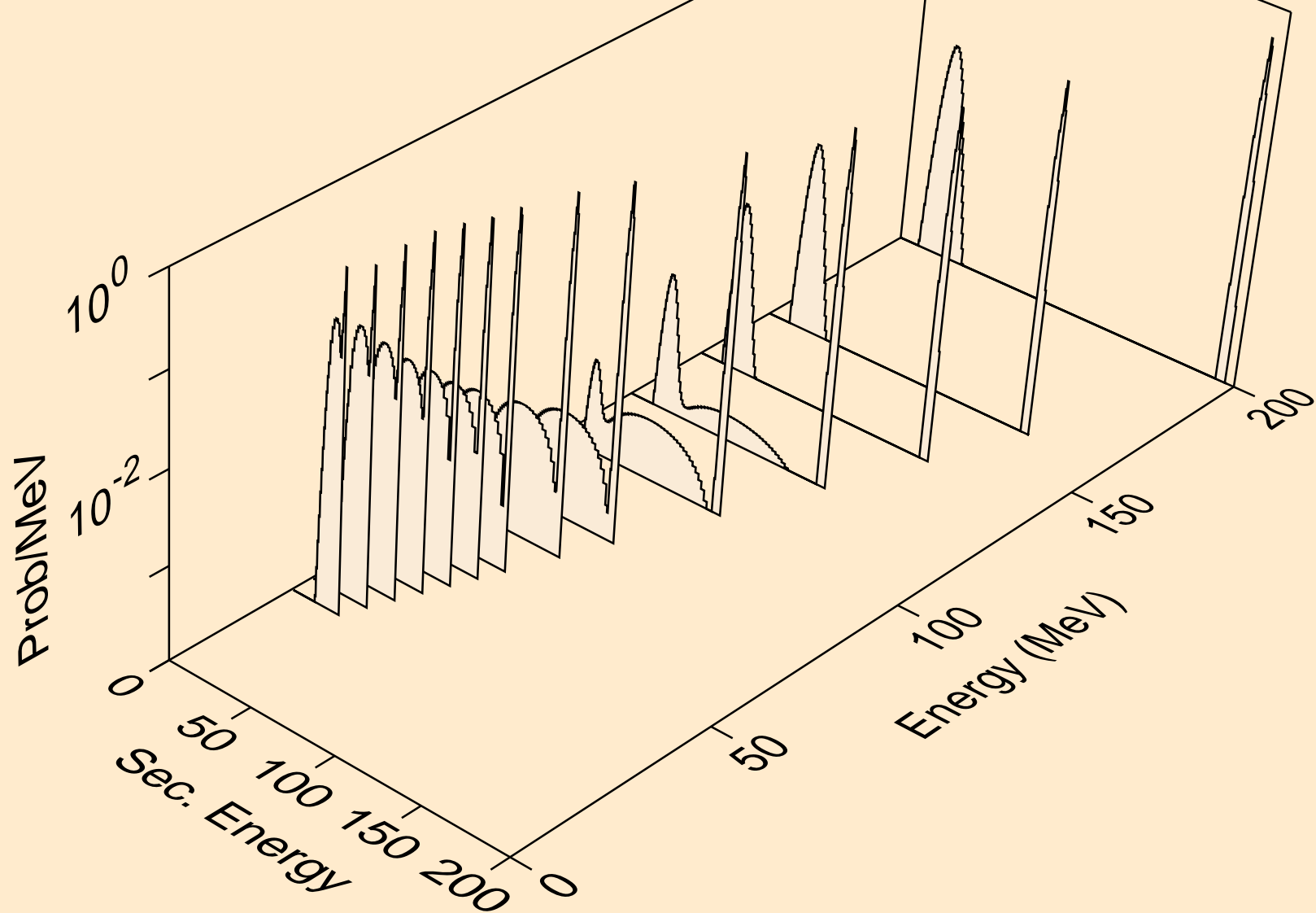
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



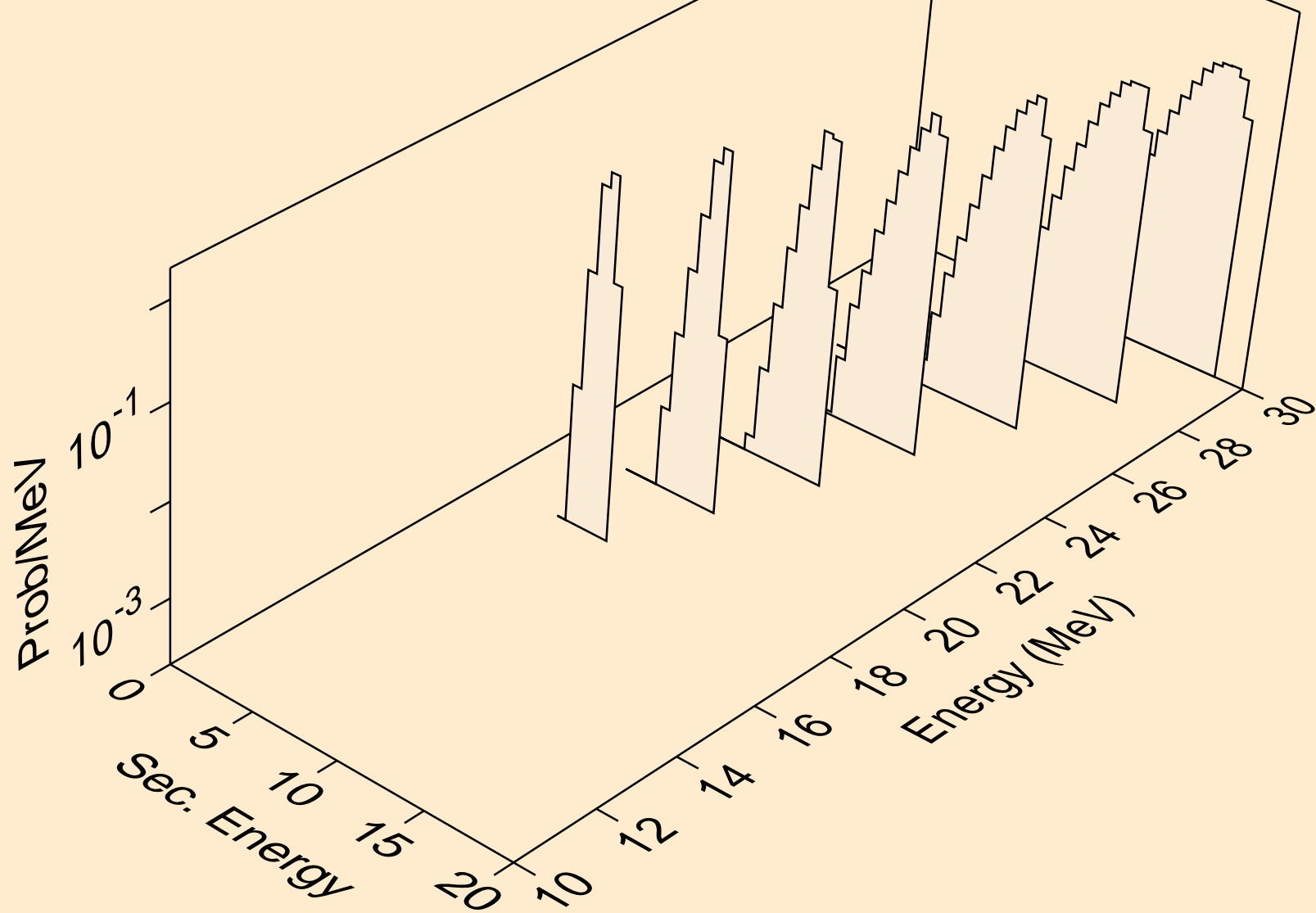
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,x)

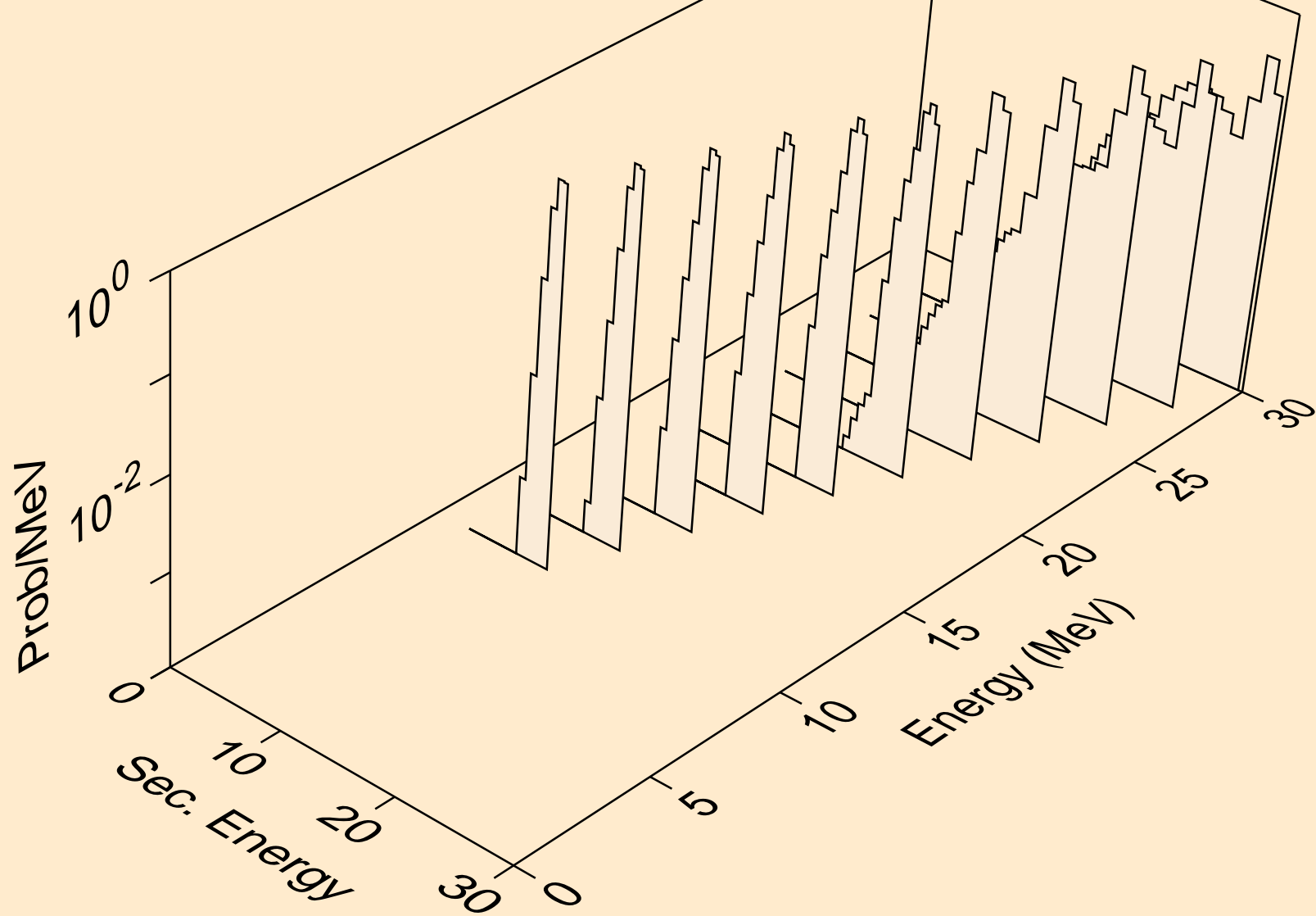


OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

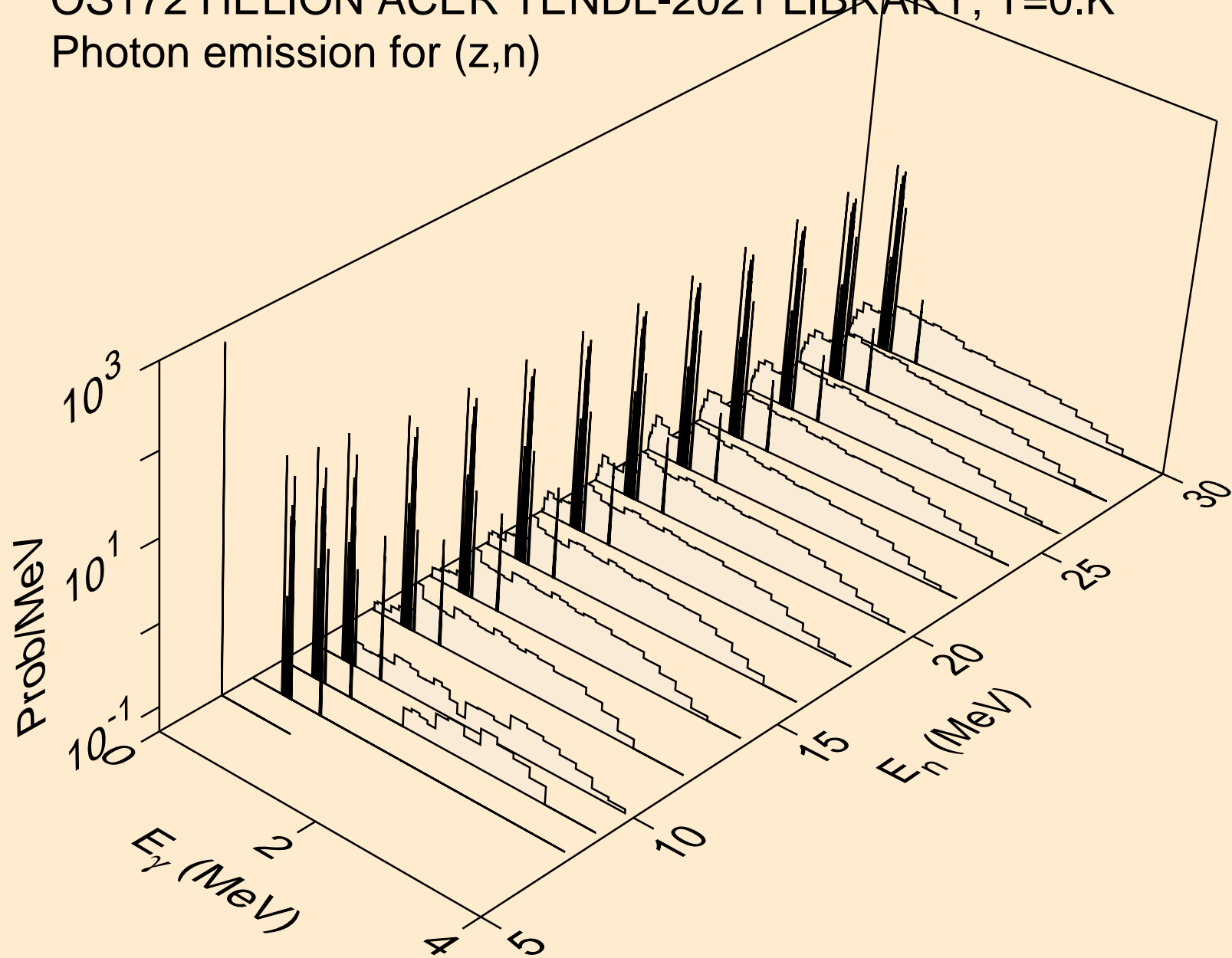




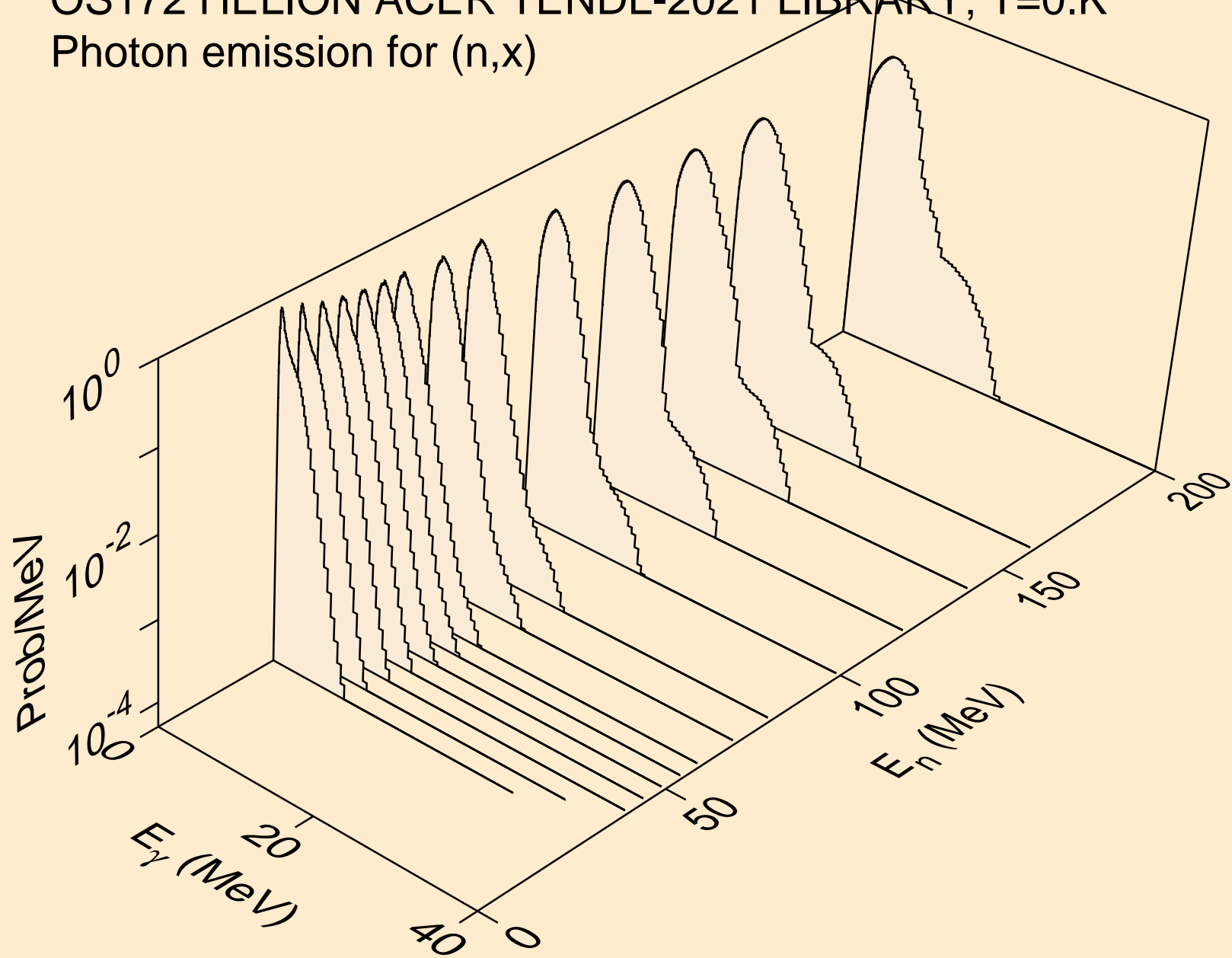
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for inelastic



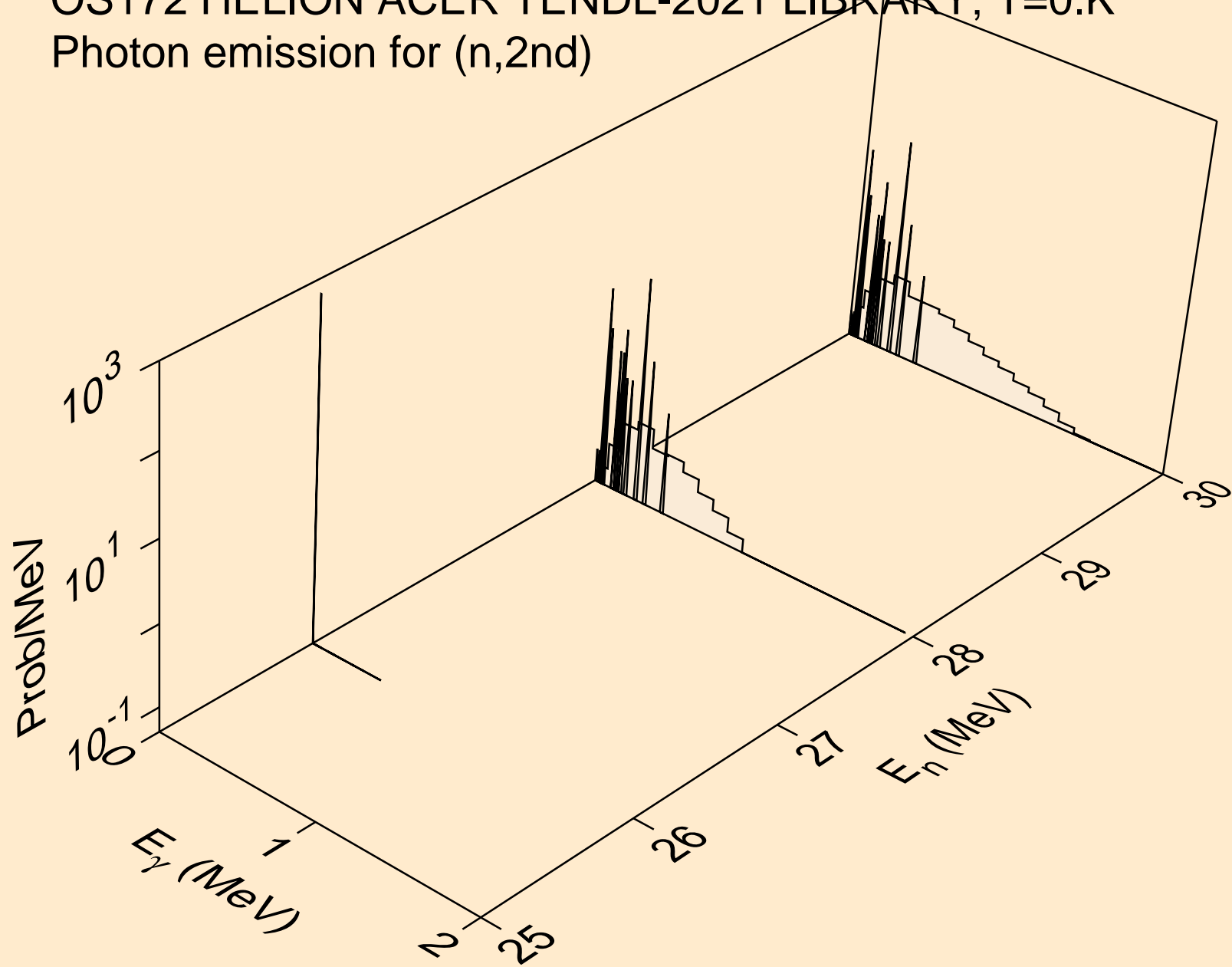
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)



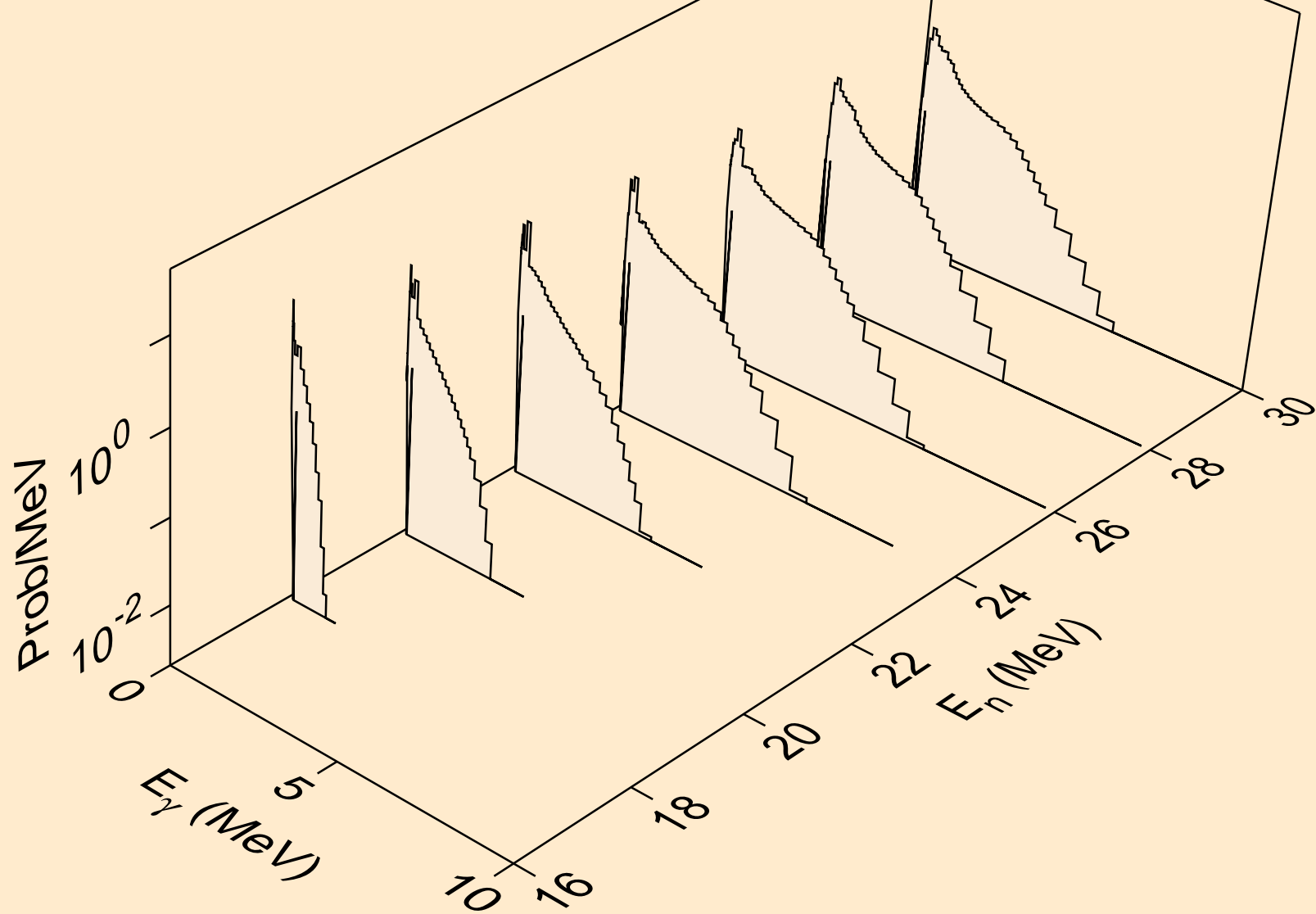
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



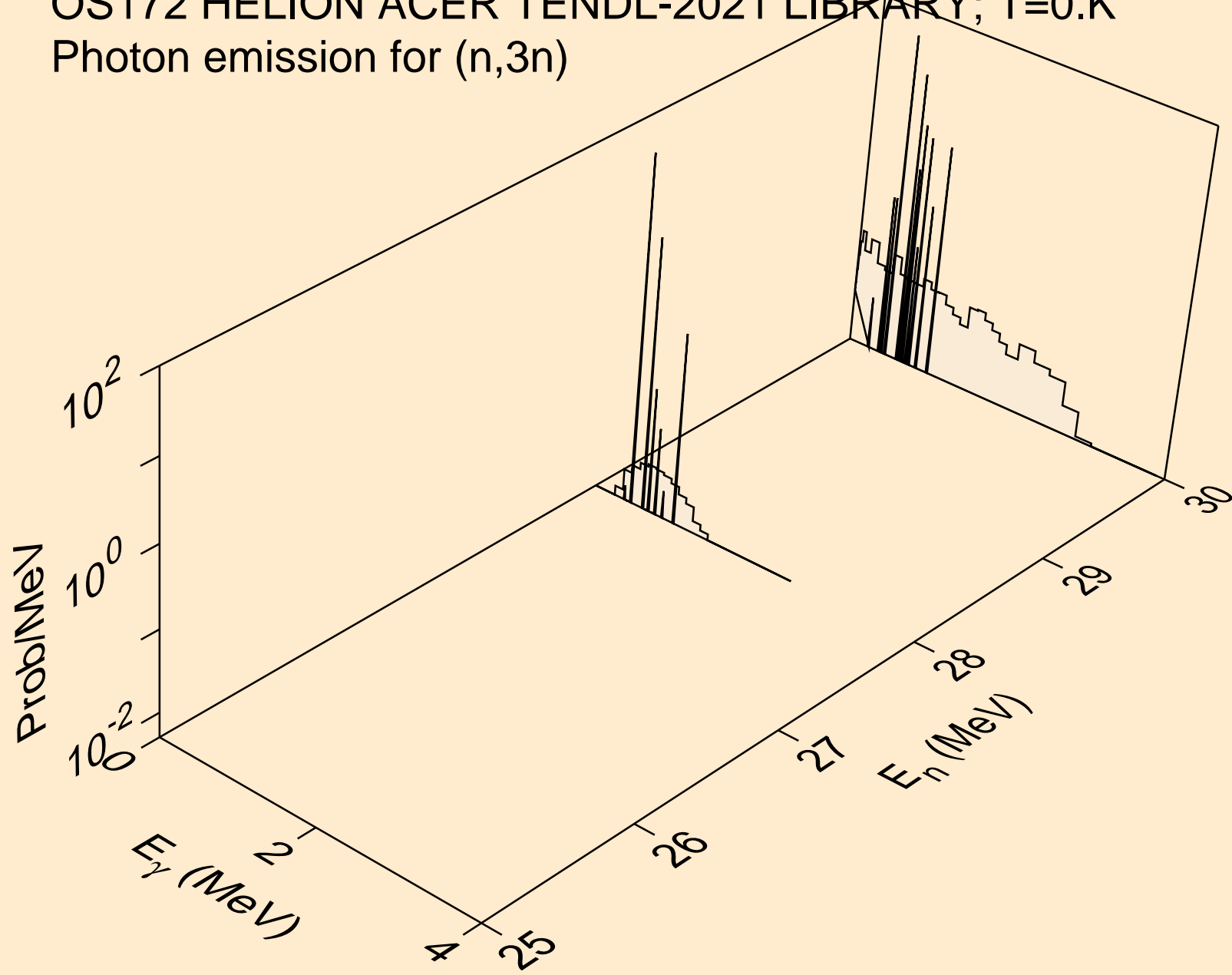
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2nd)



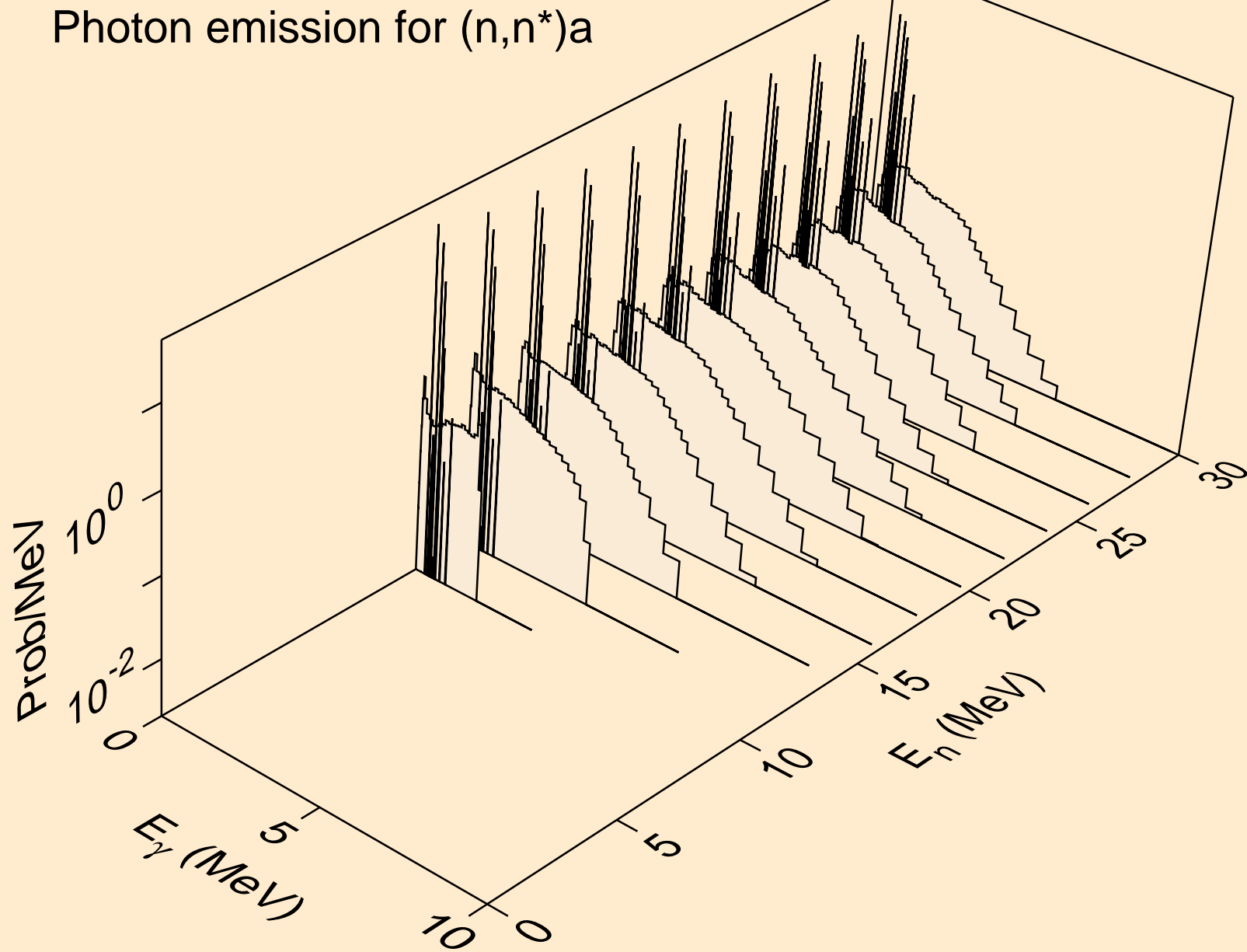
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)



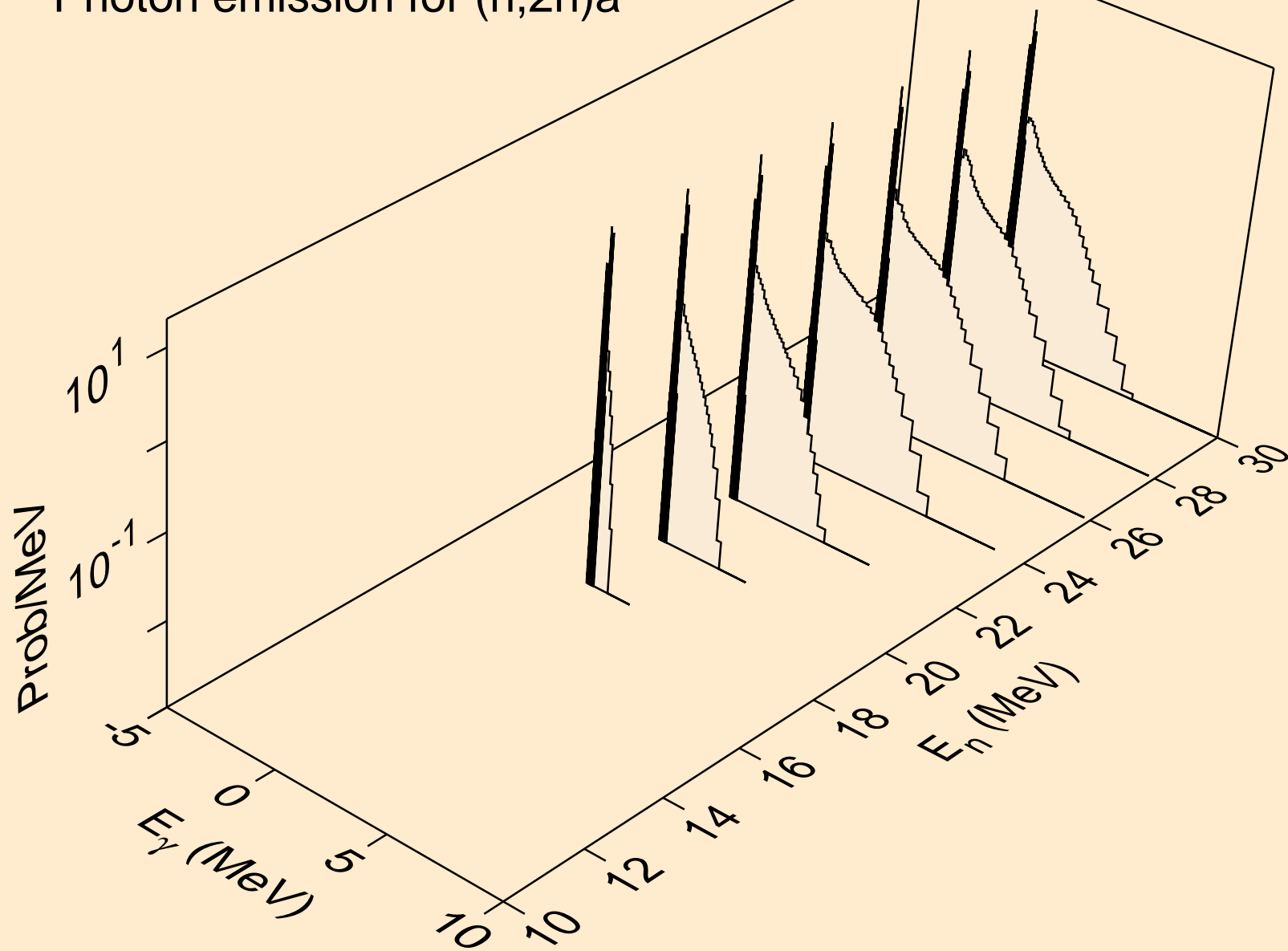
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)



OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

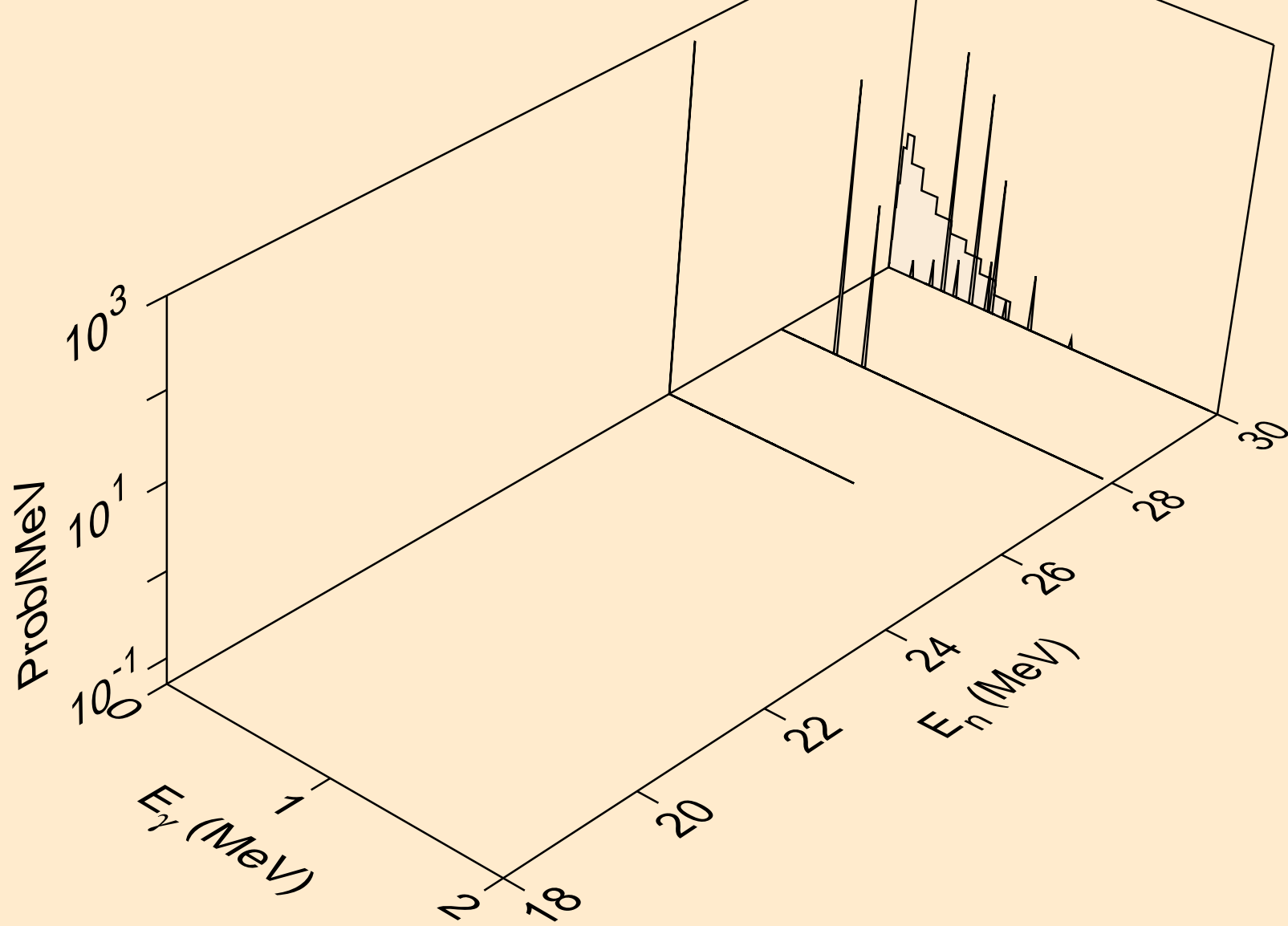


OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)a

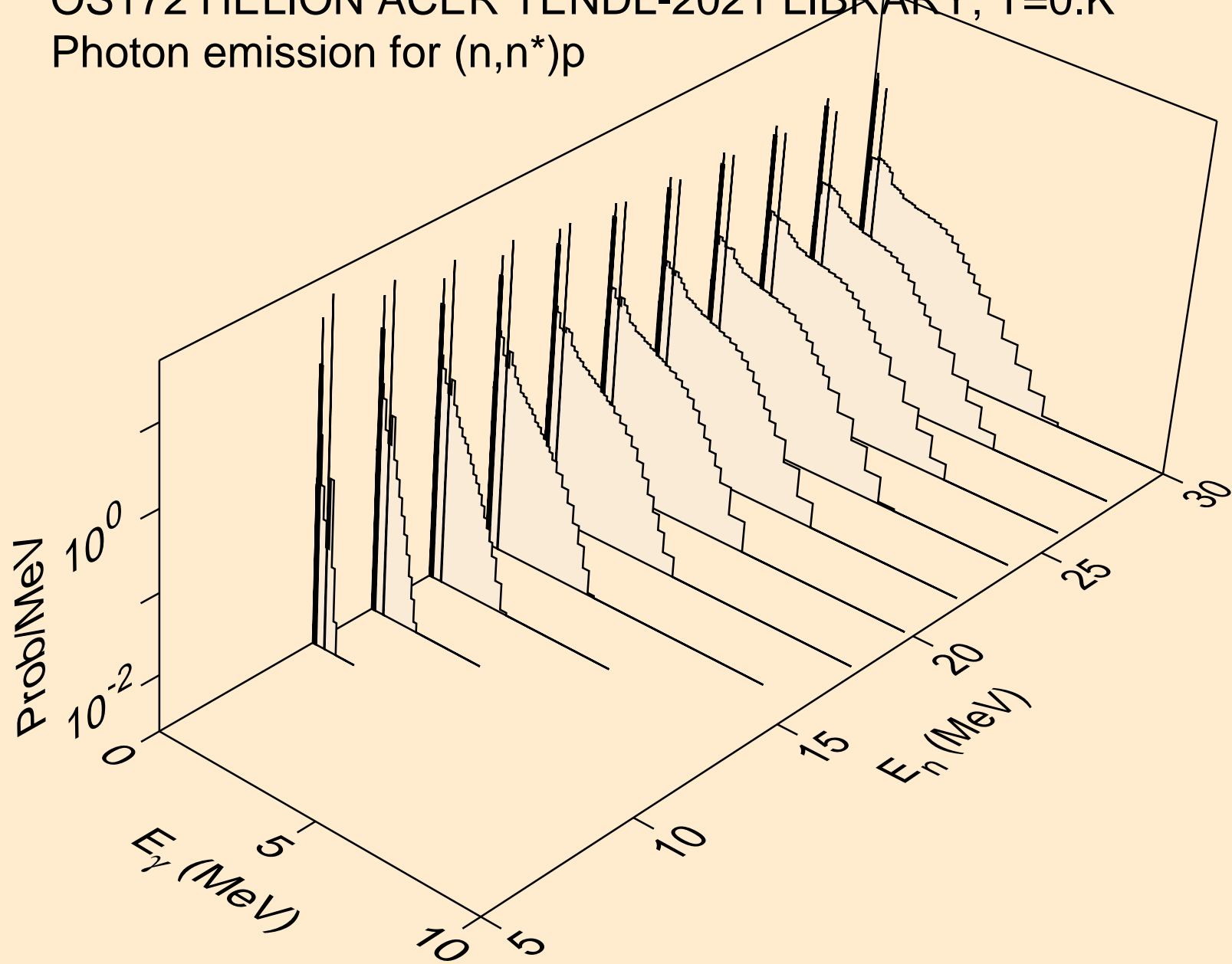




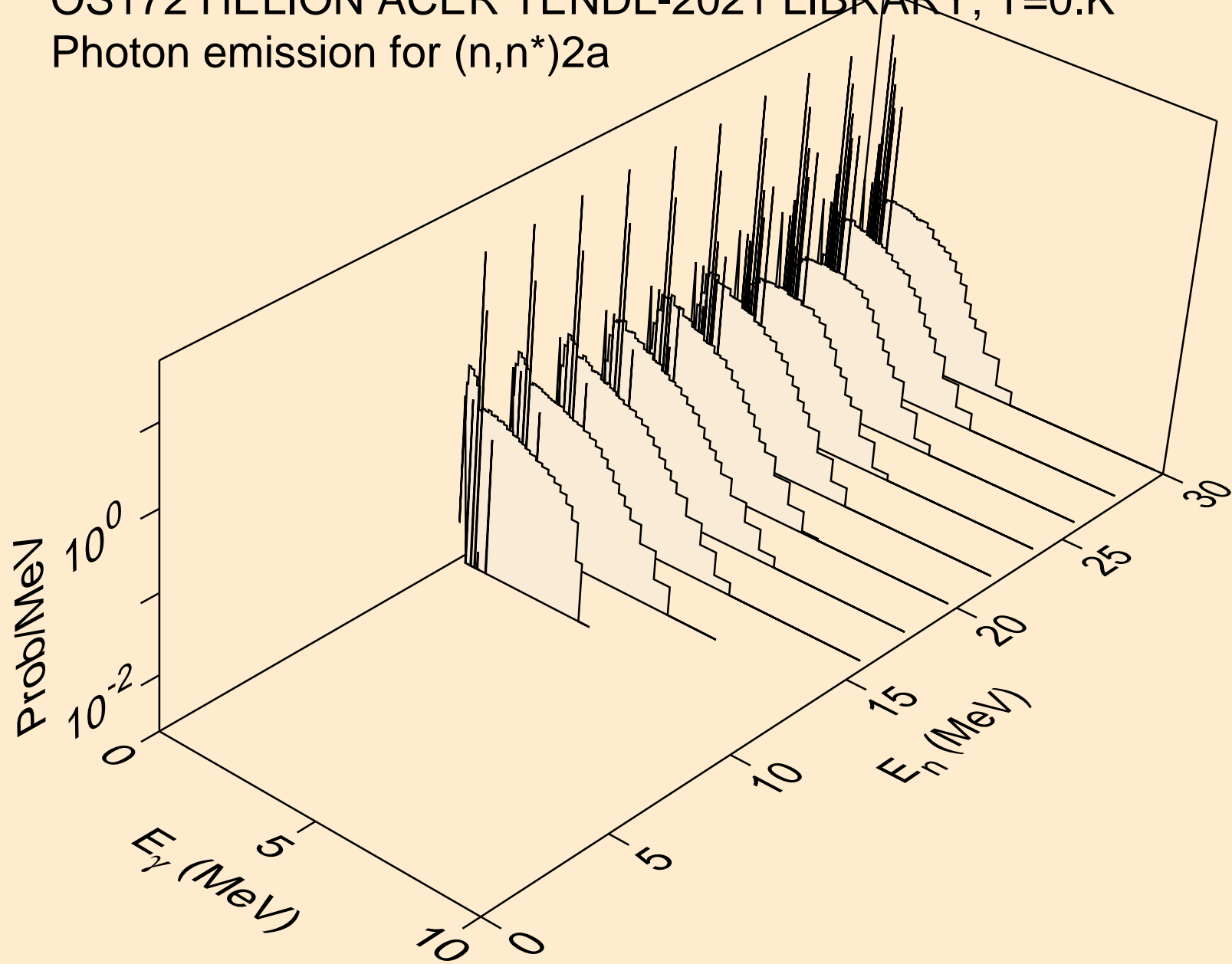
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)a



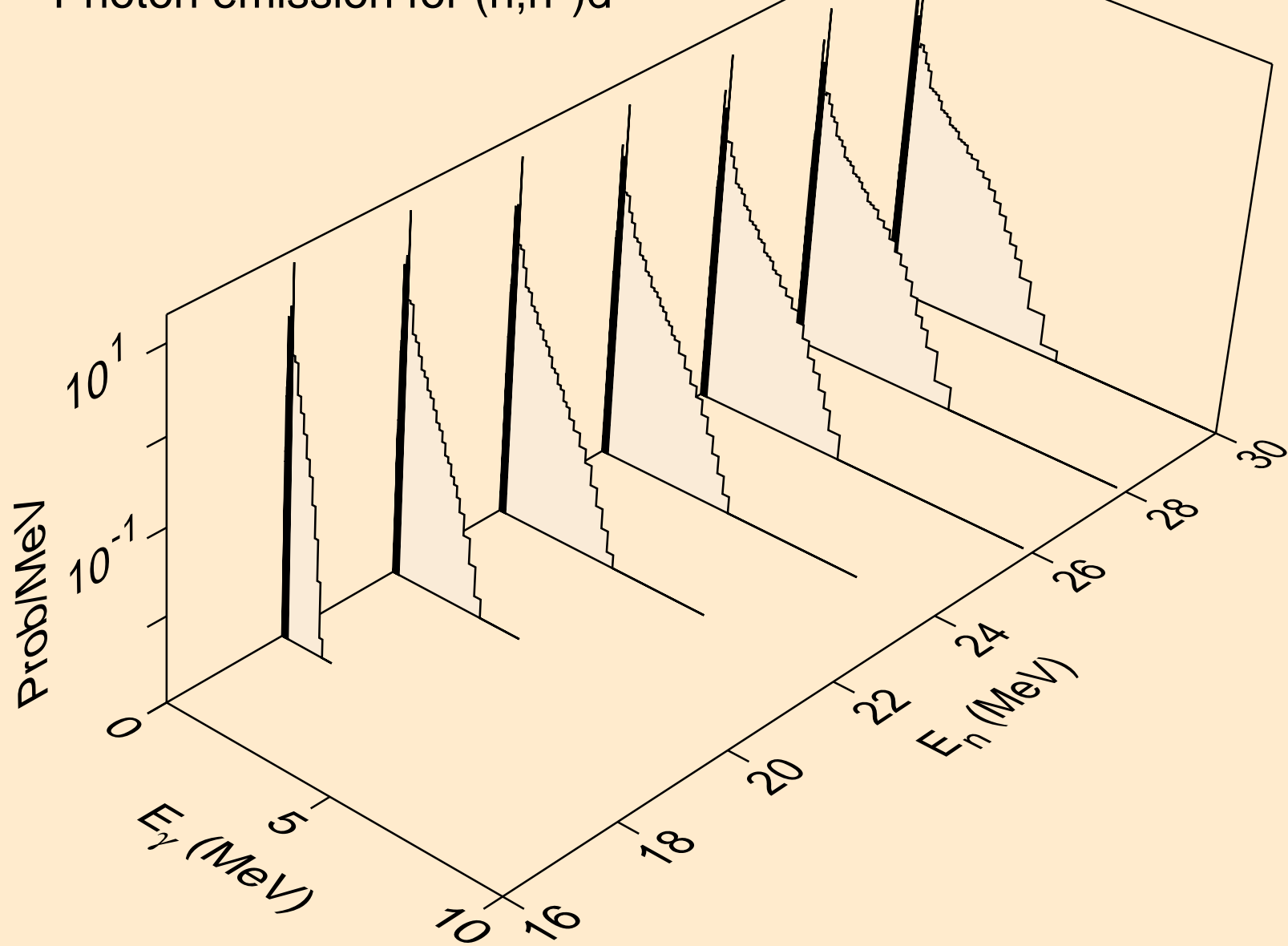
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



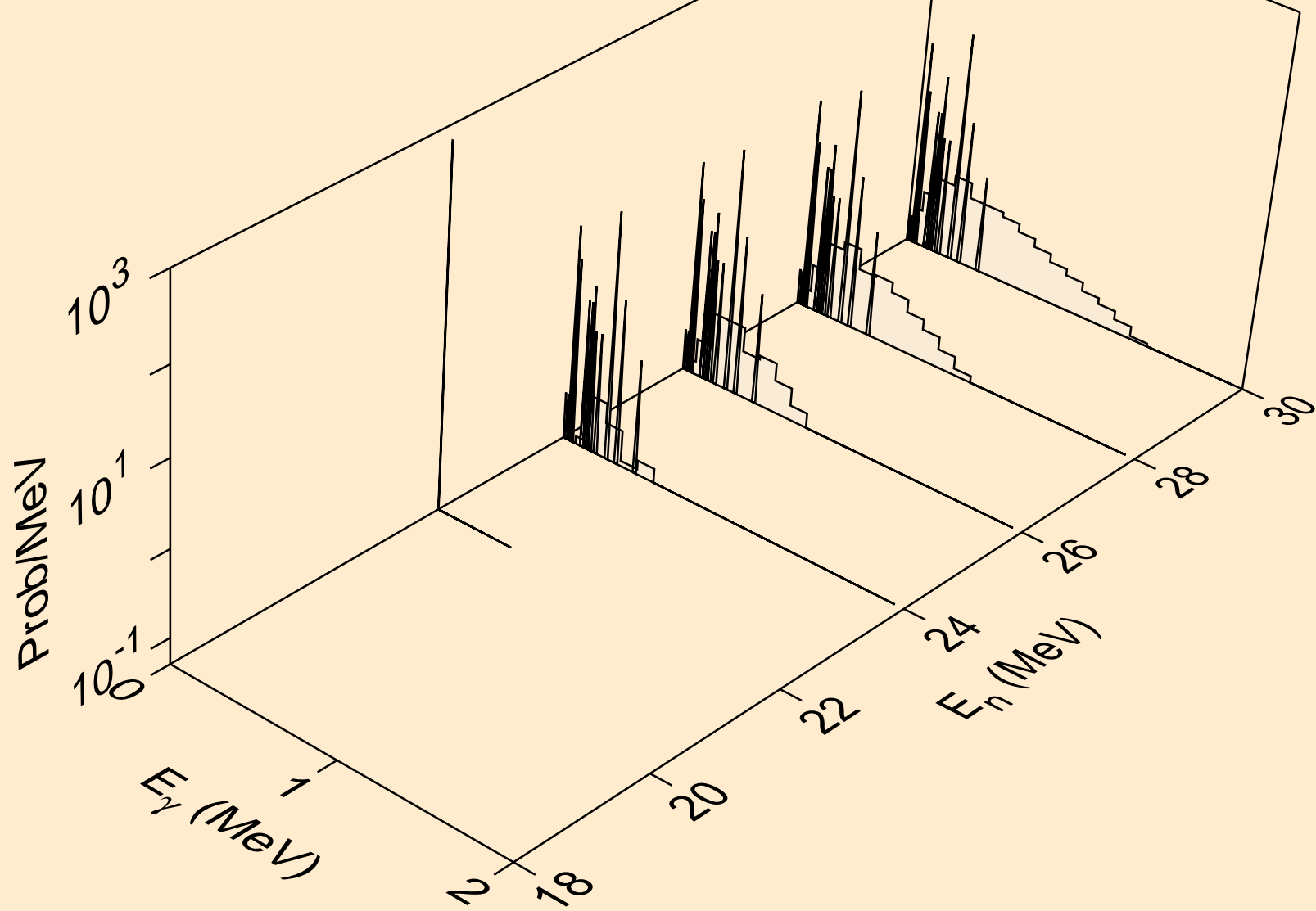
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Photon emission for (n,n\*)2a



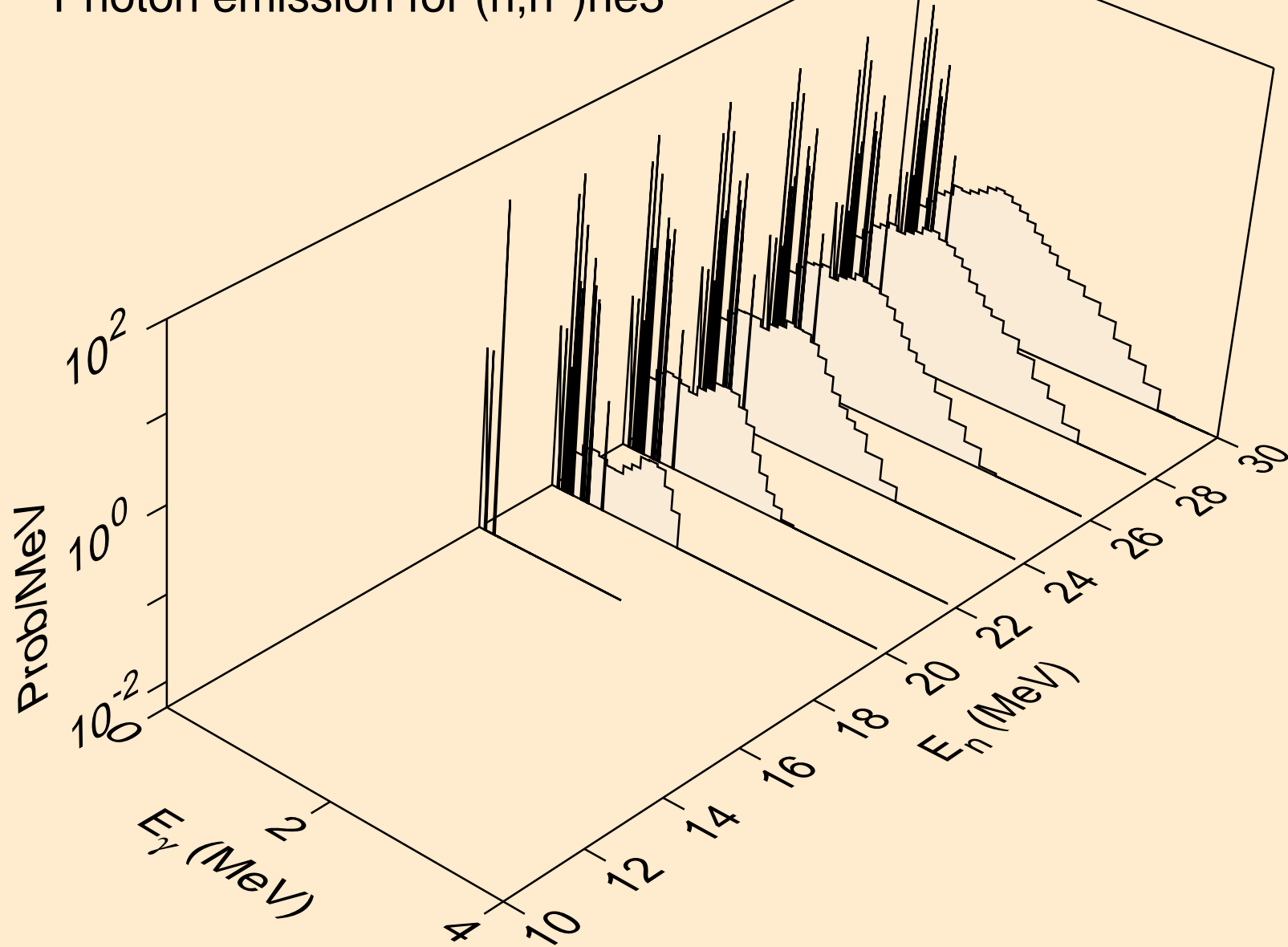
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



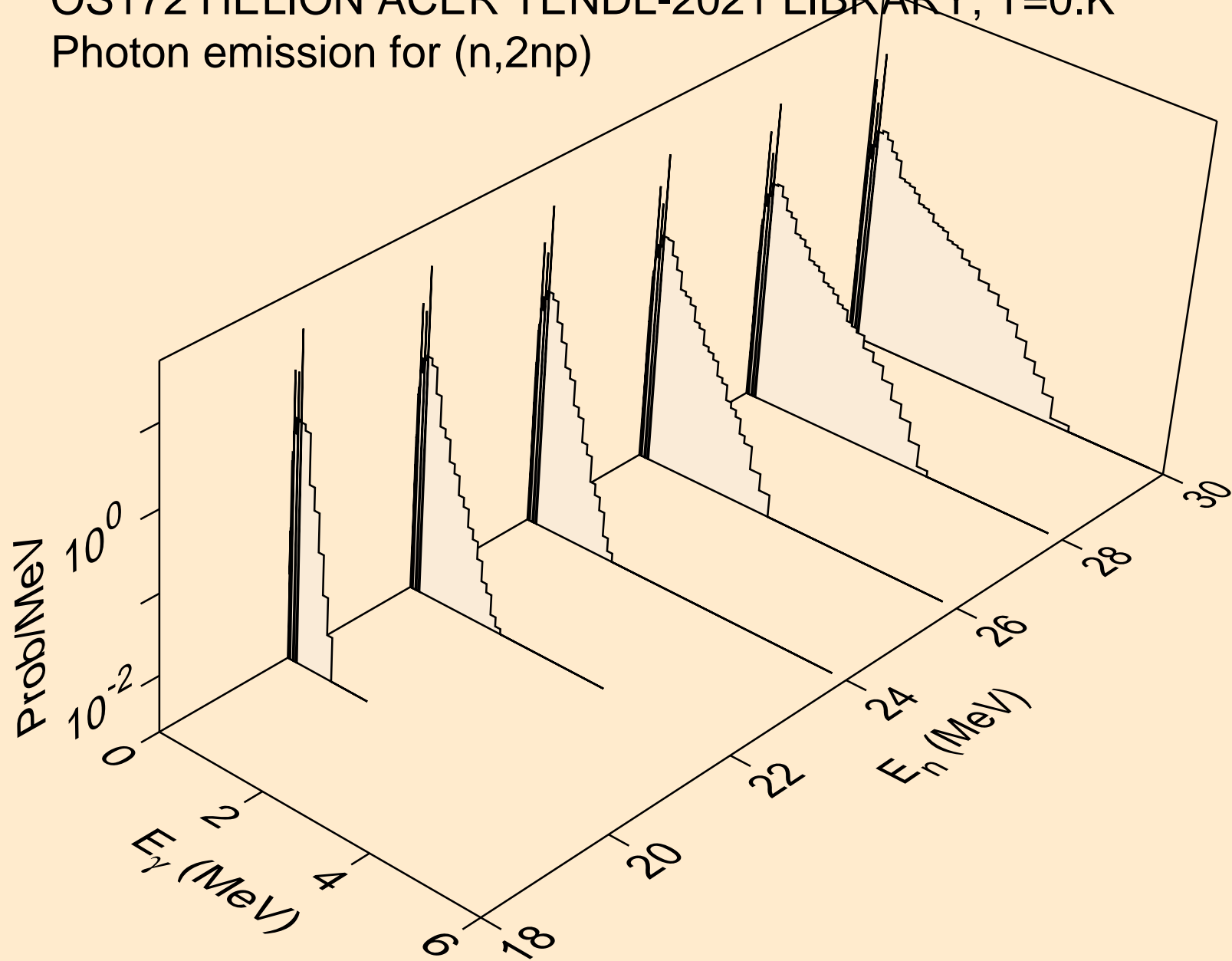
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



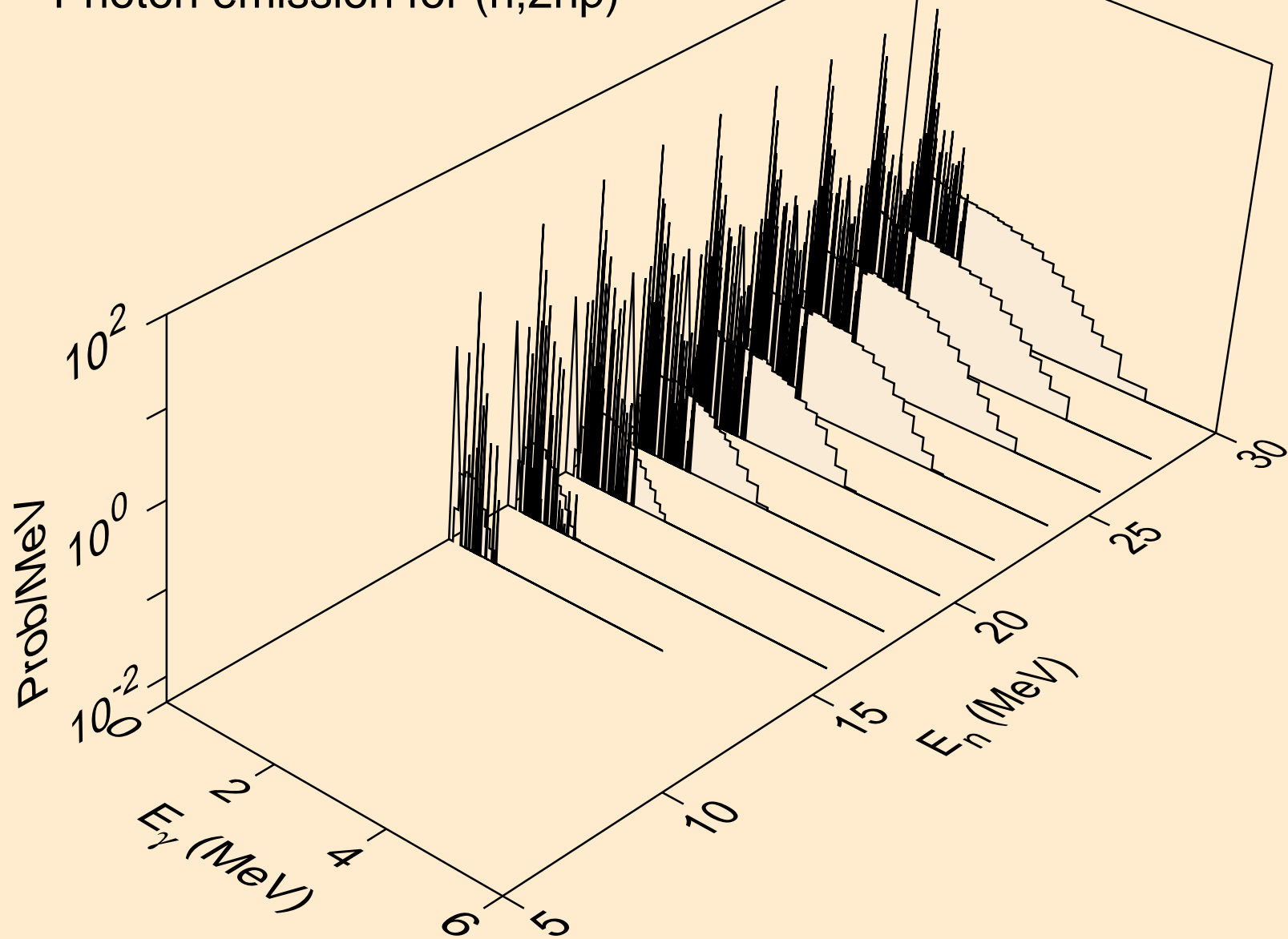
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)

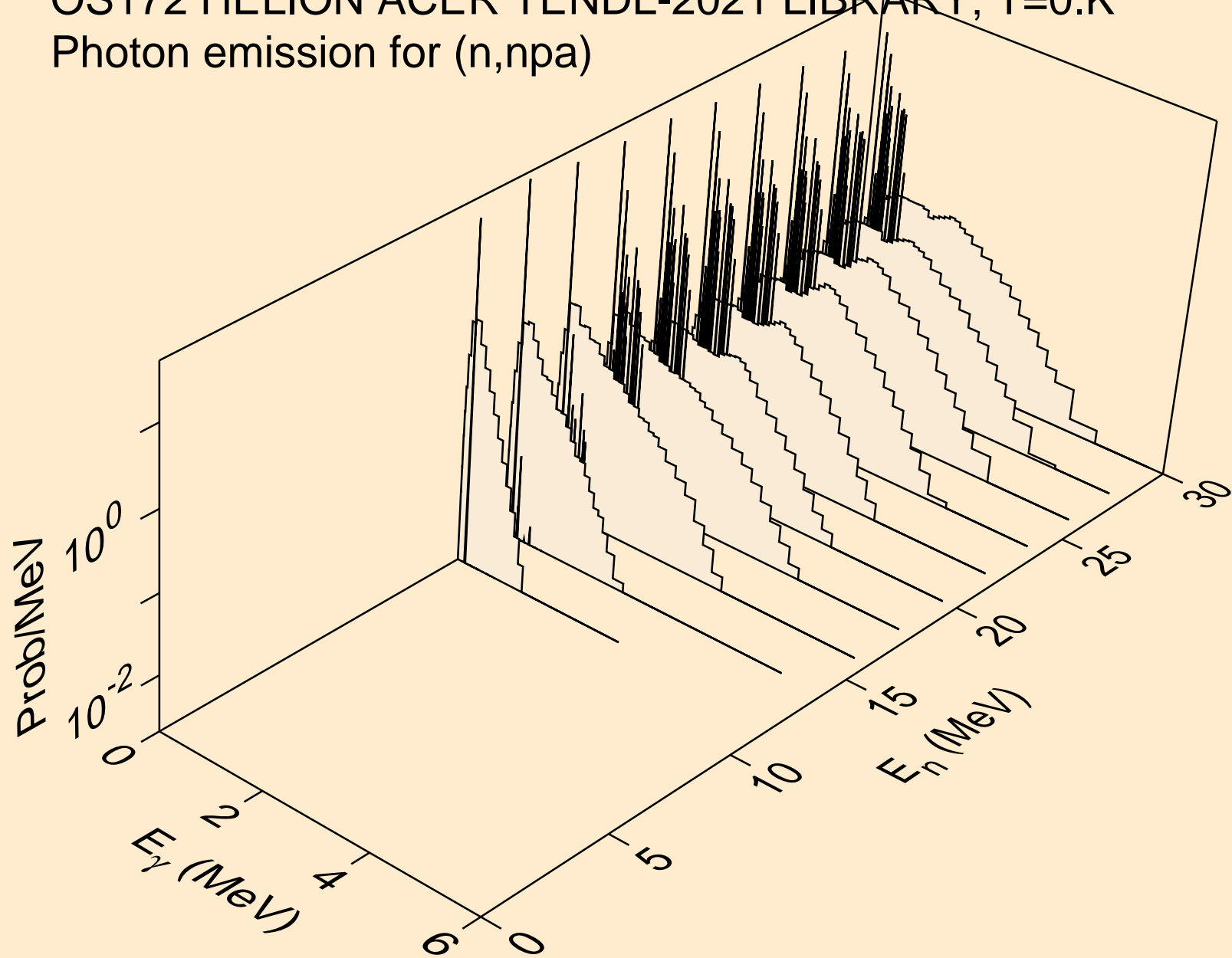


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Photon emission for (n,2np)

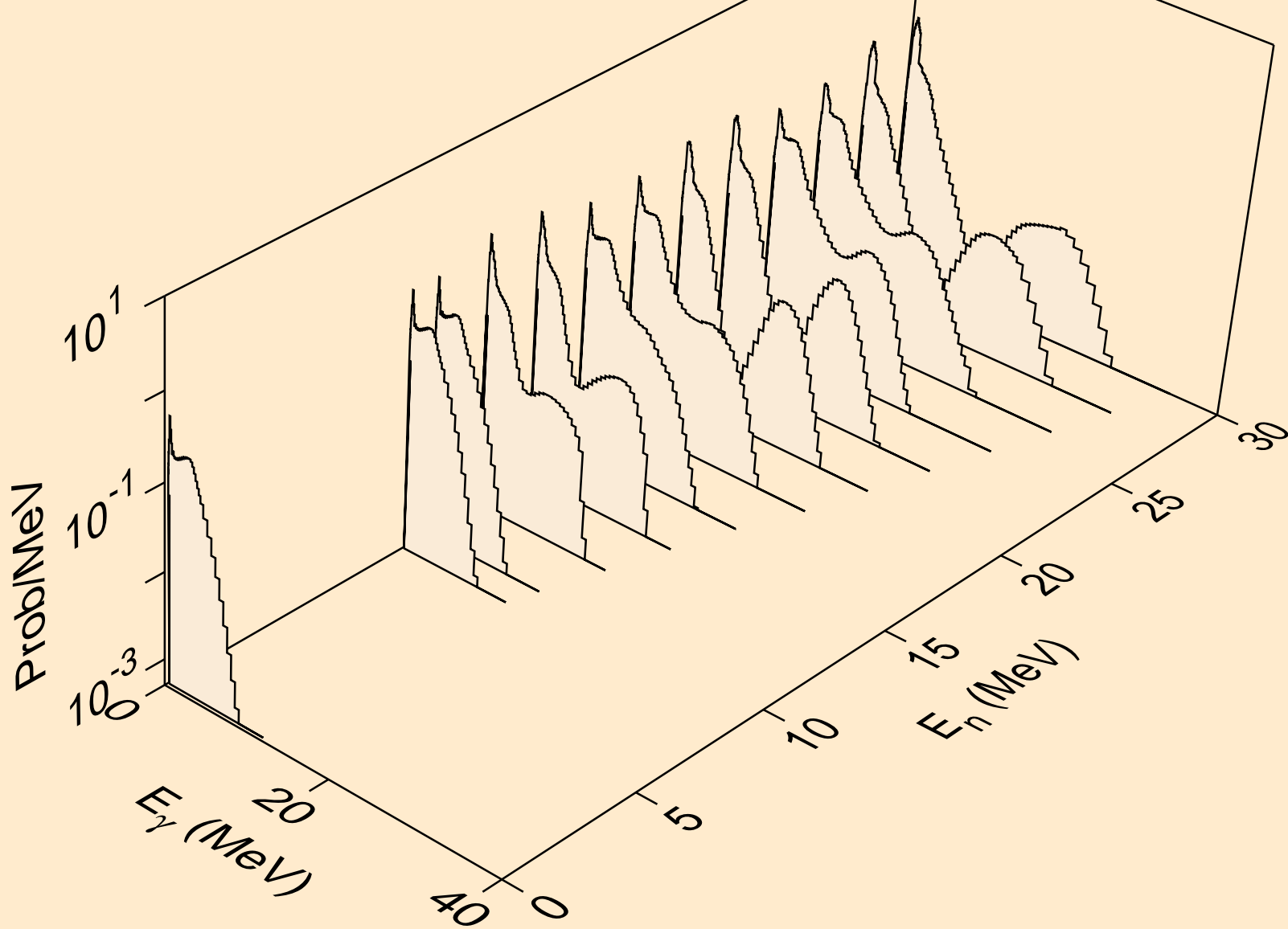




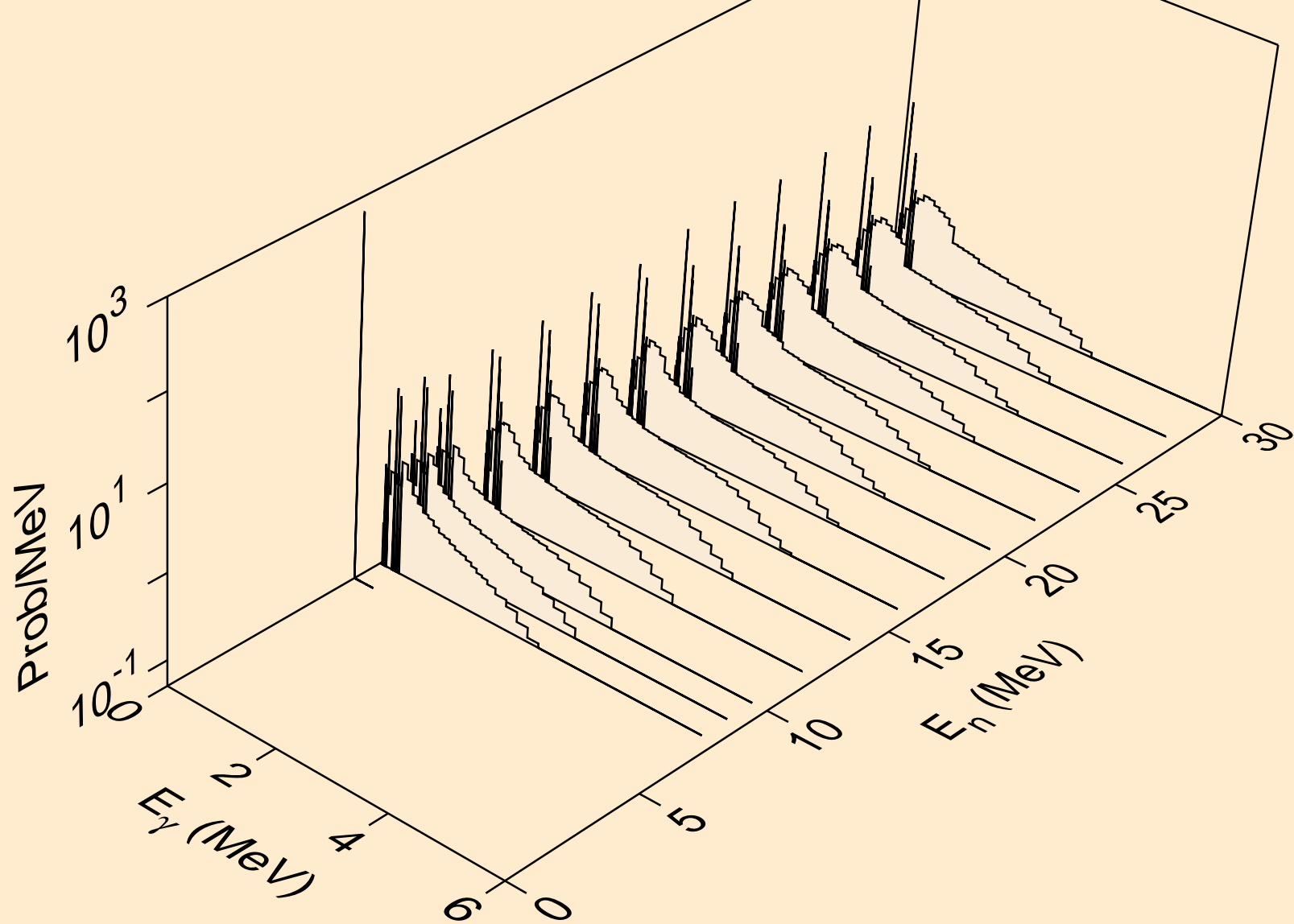
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Photon emission for (n,npa)



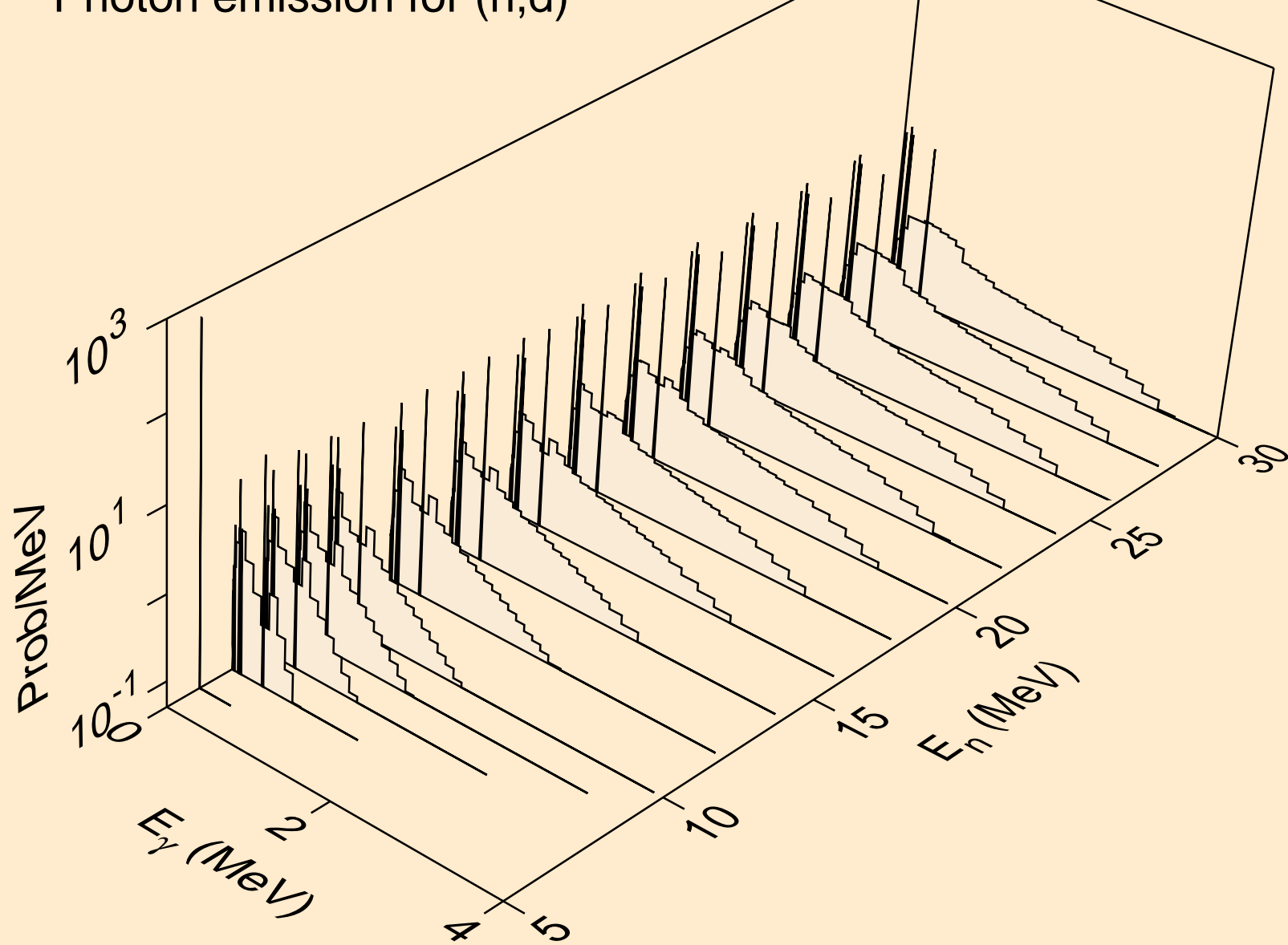
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Photon emission for (n,gma)



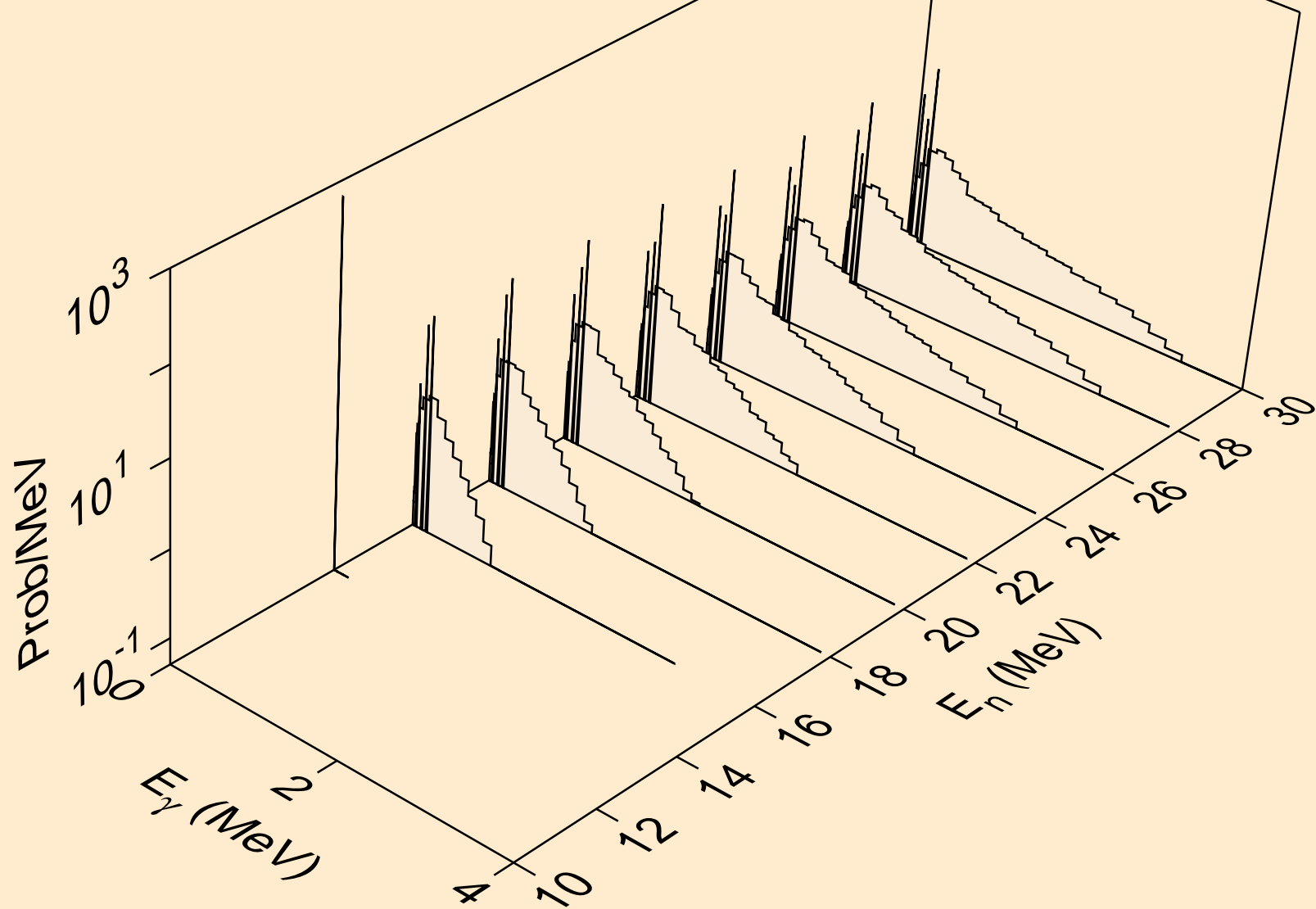
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,p)



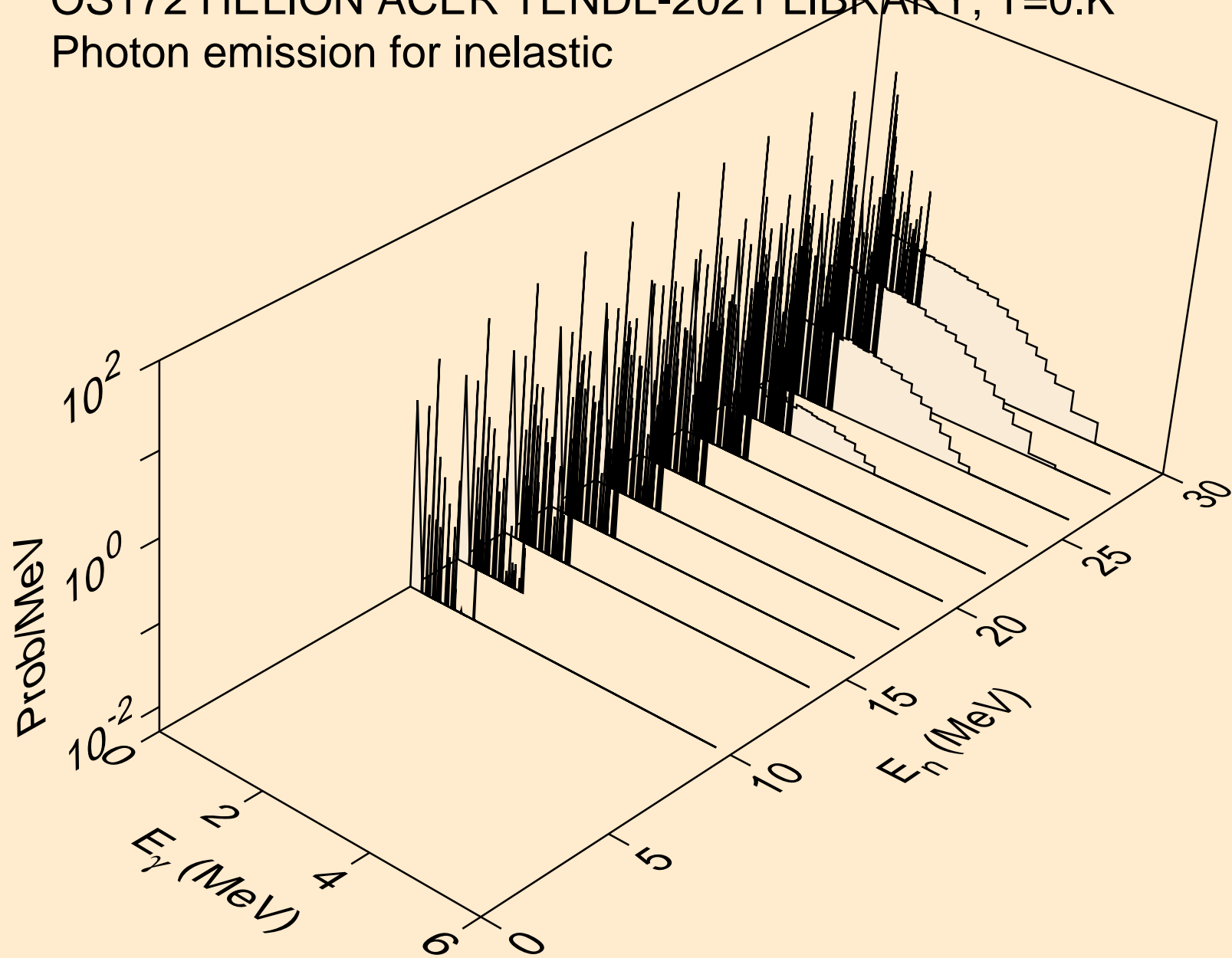
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Photon emission for (n,d)



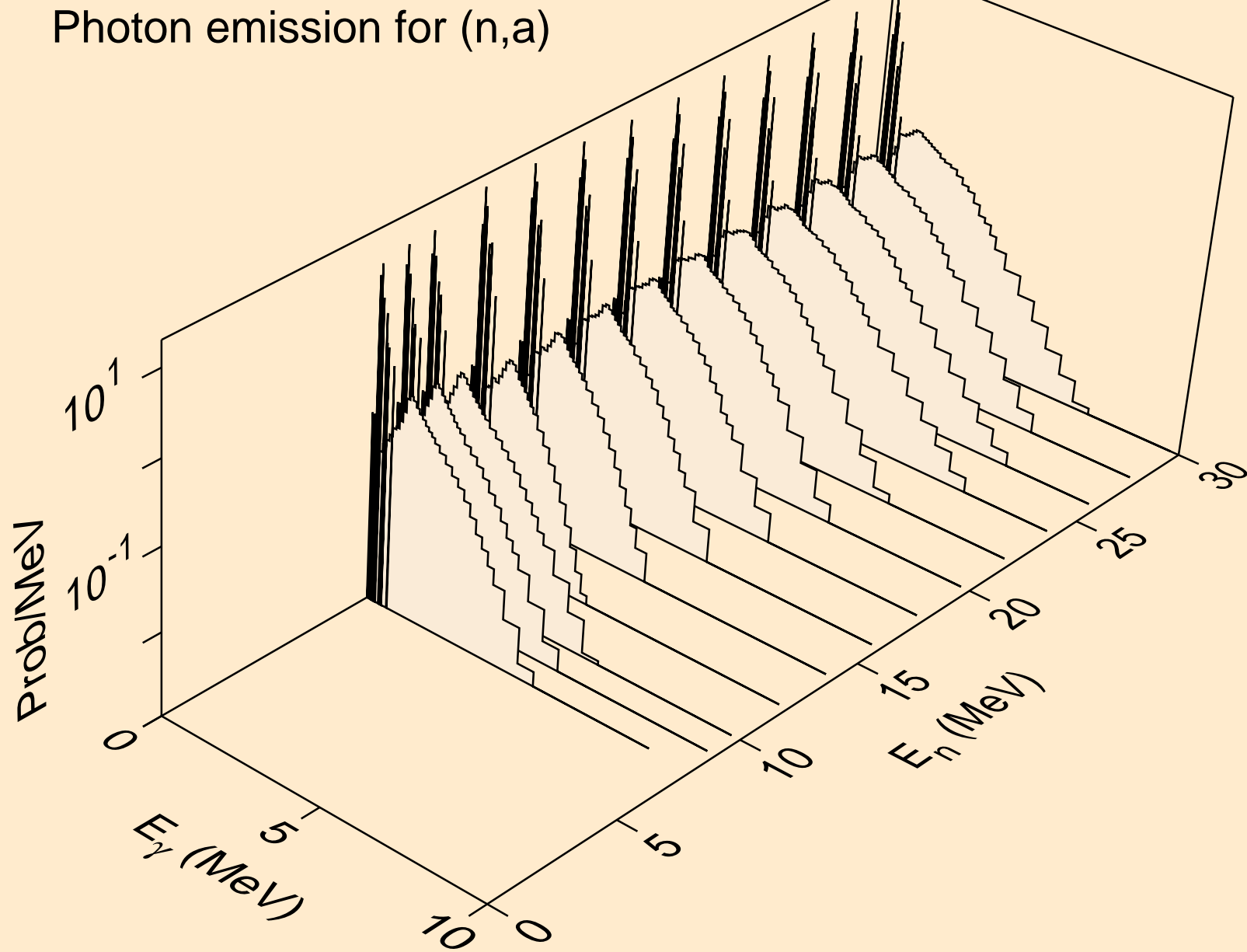
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Photon emission for (n,t)



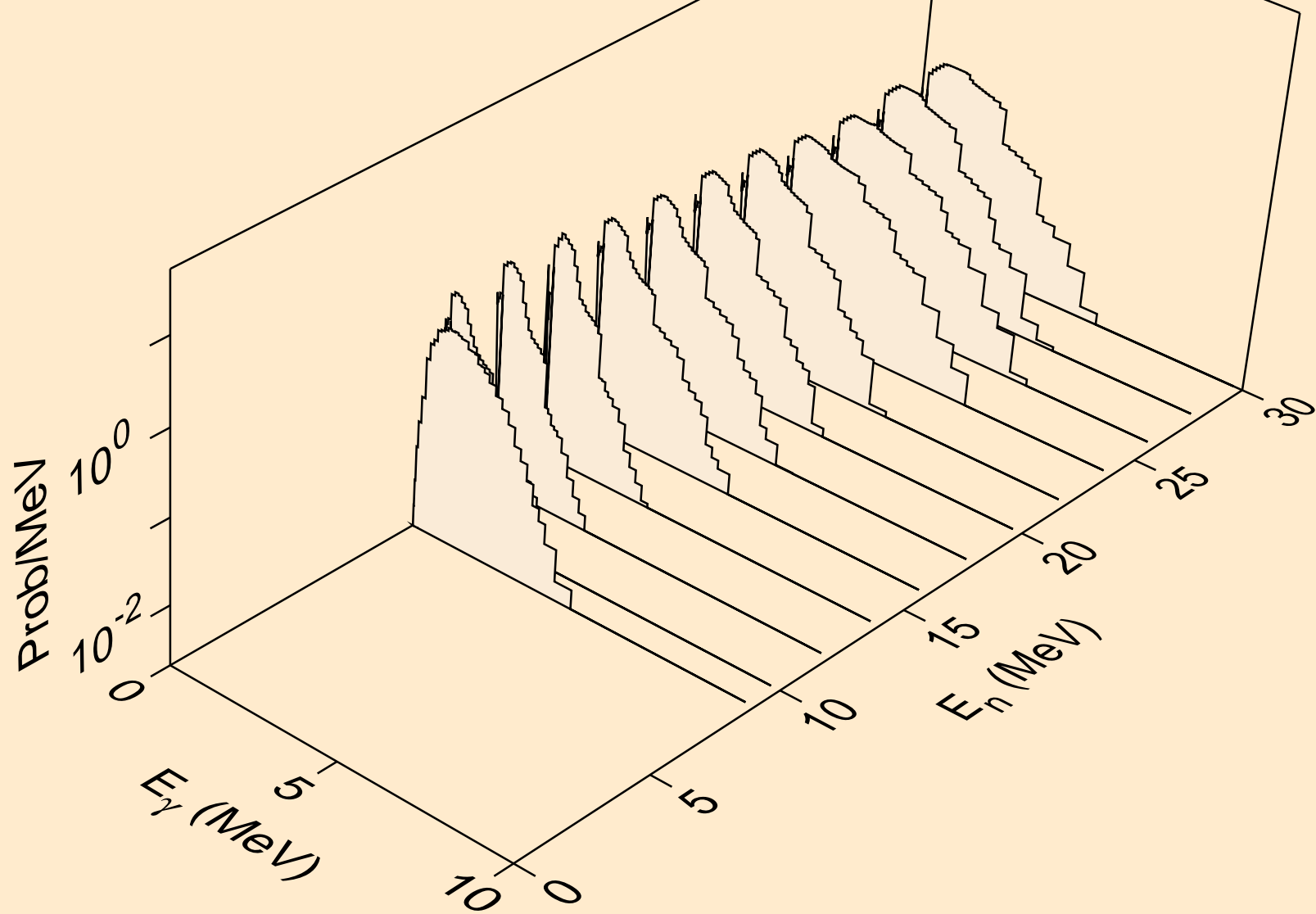
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic



OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,a)

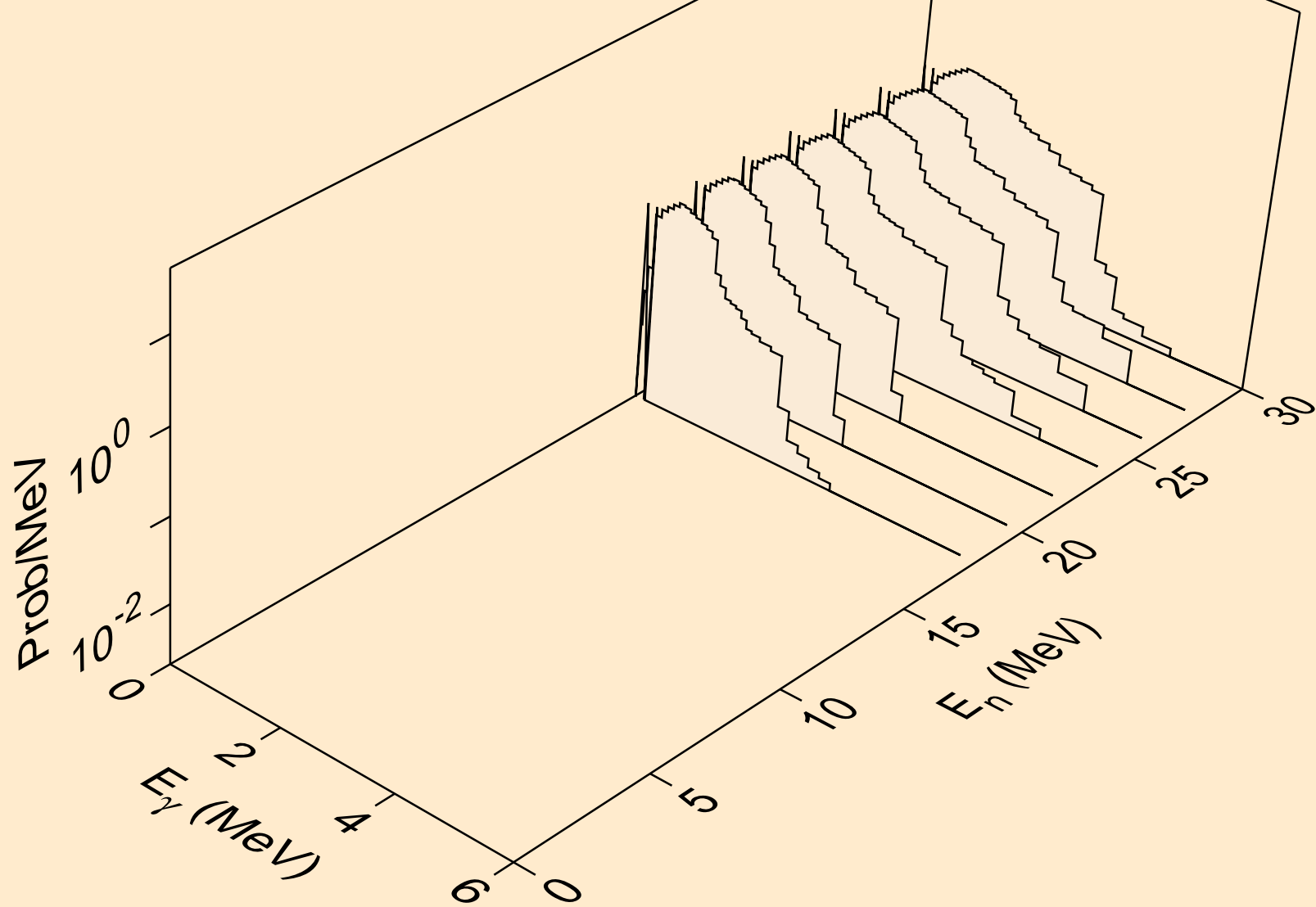


OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2a)

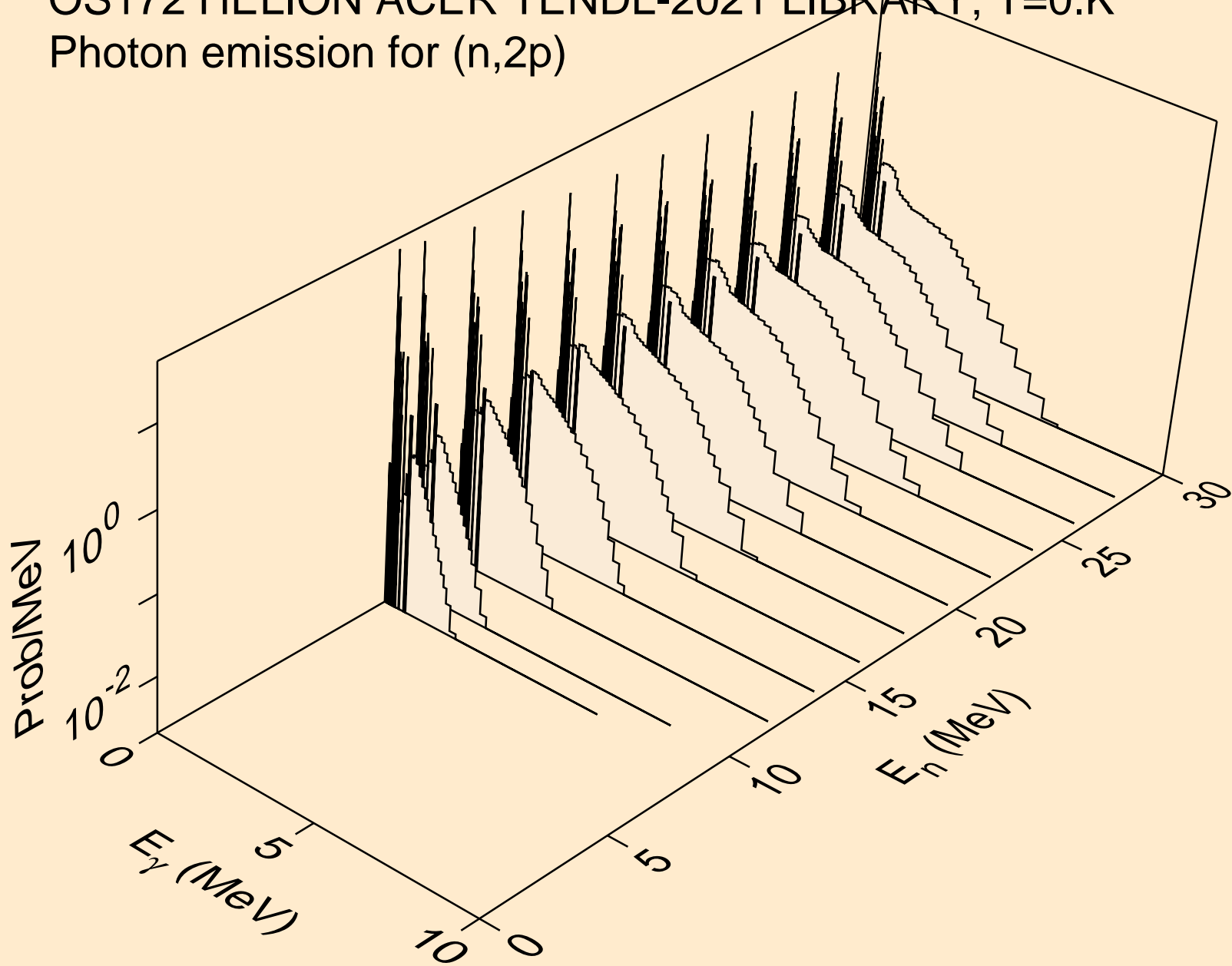




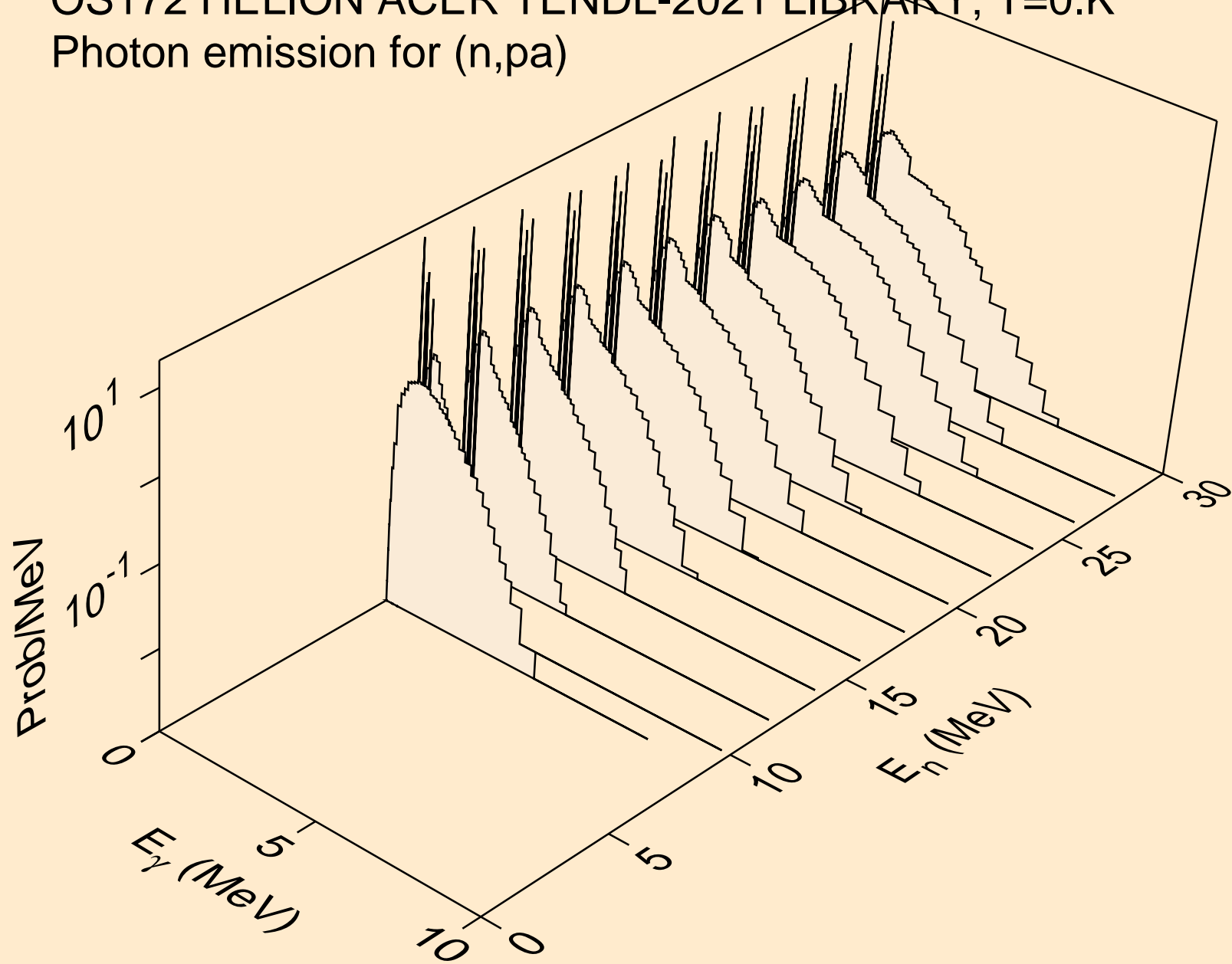
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3a)



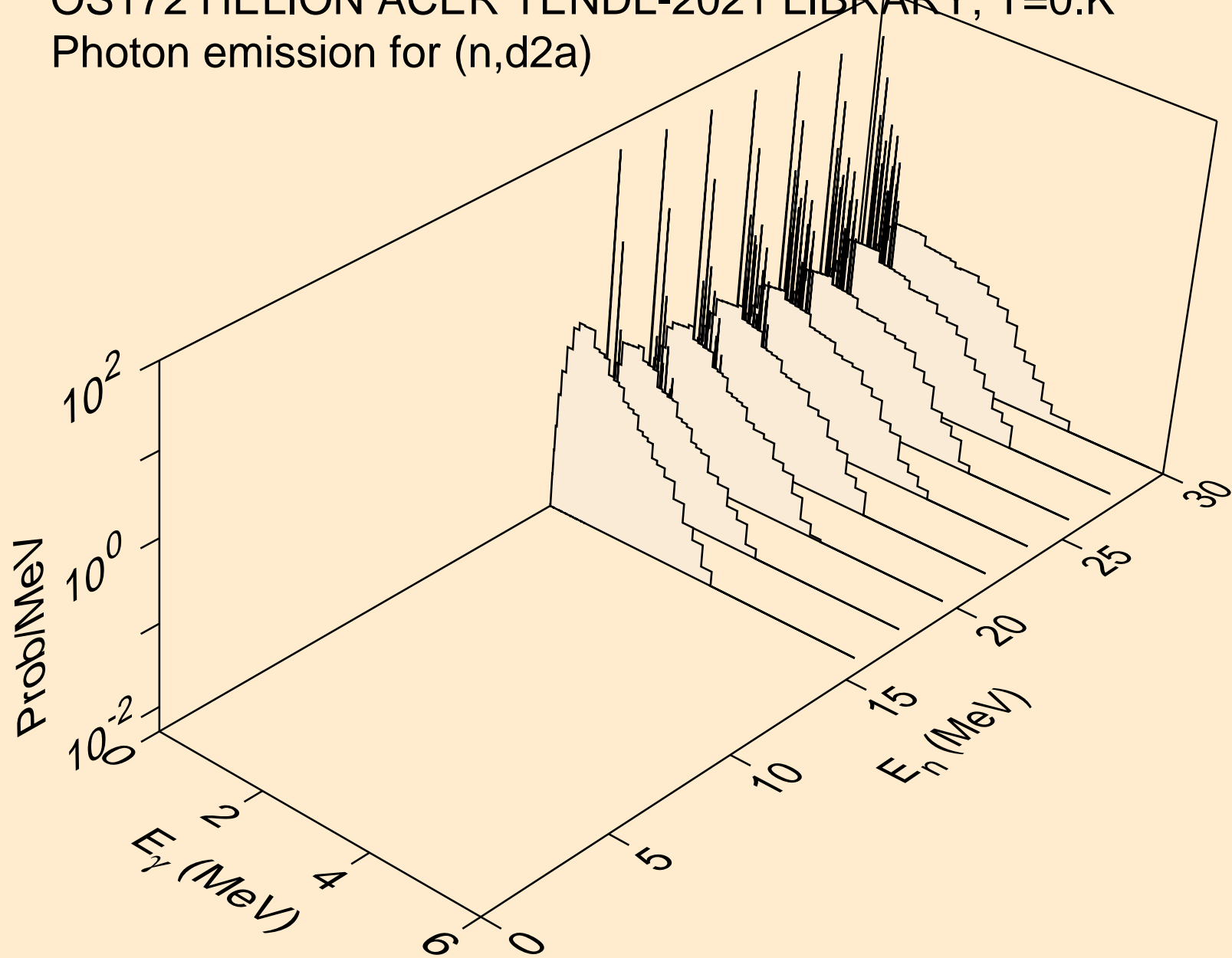
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Photon emission for (n,2p)



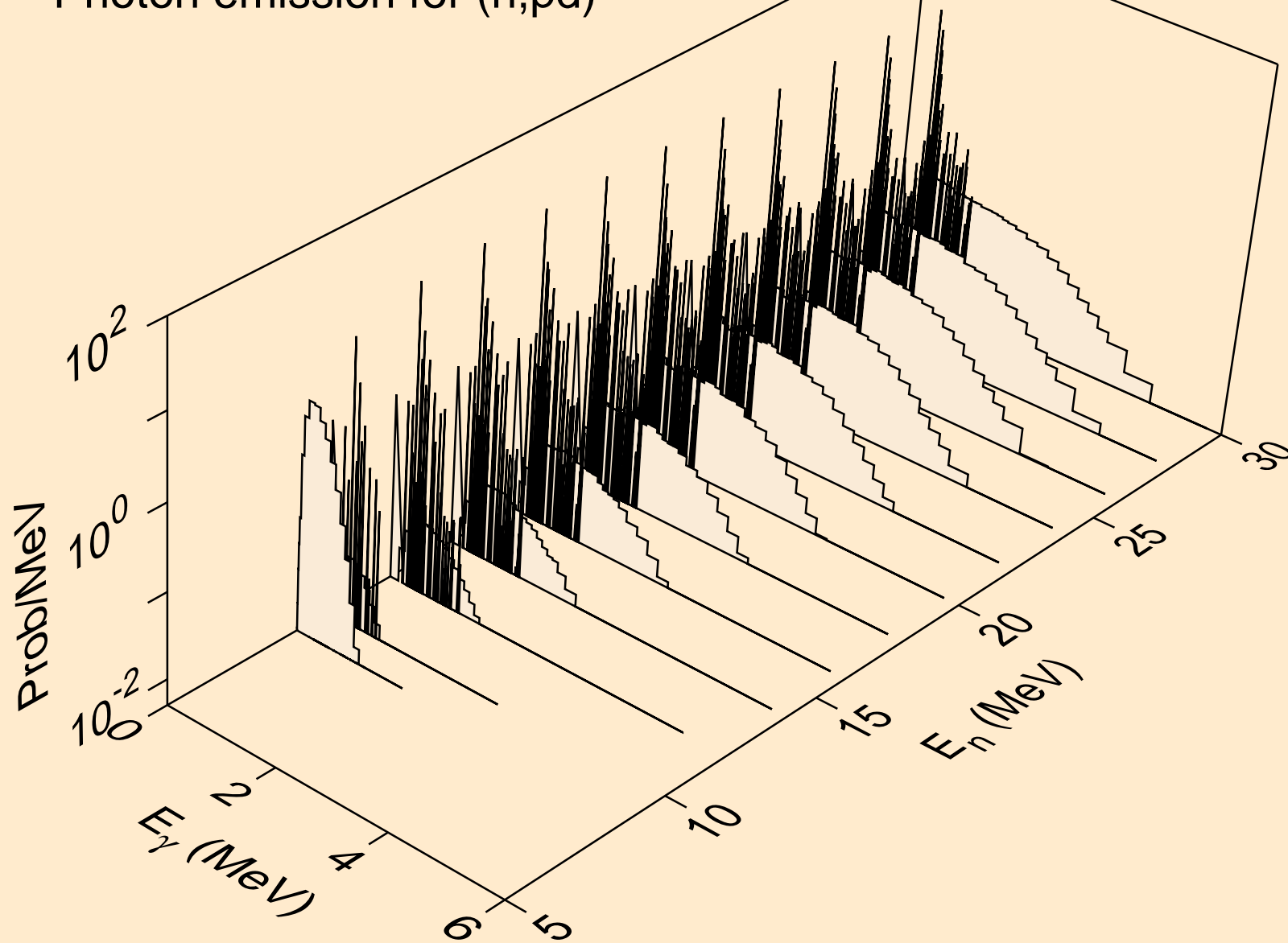
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,p)



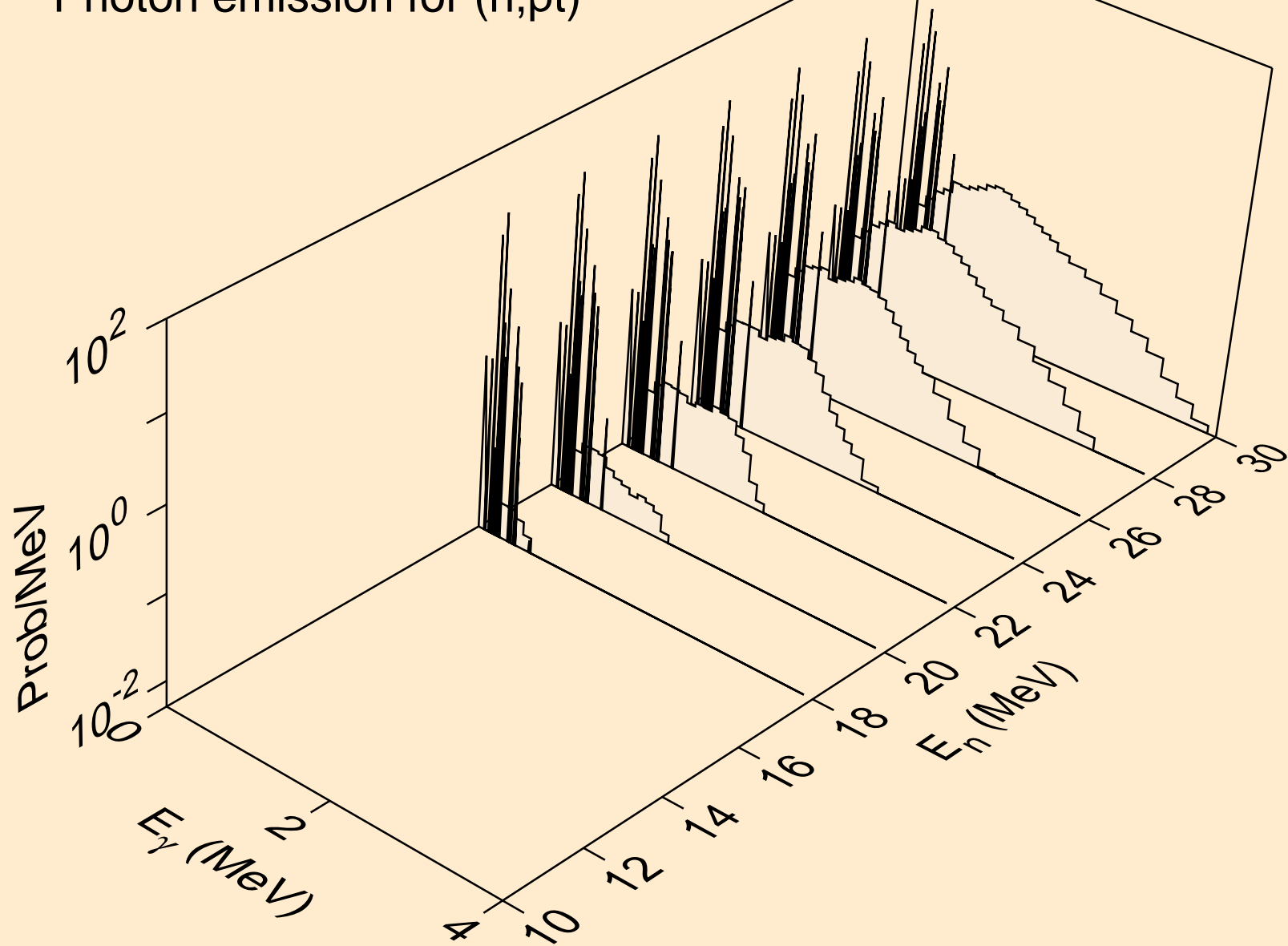
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Photon emission for (n,d2a)



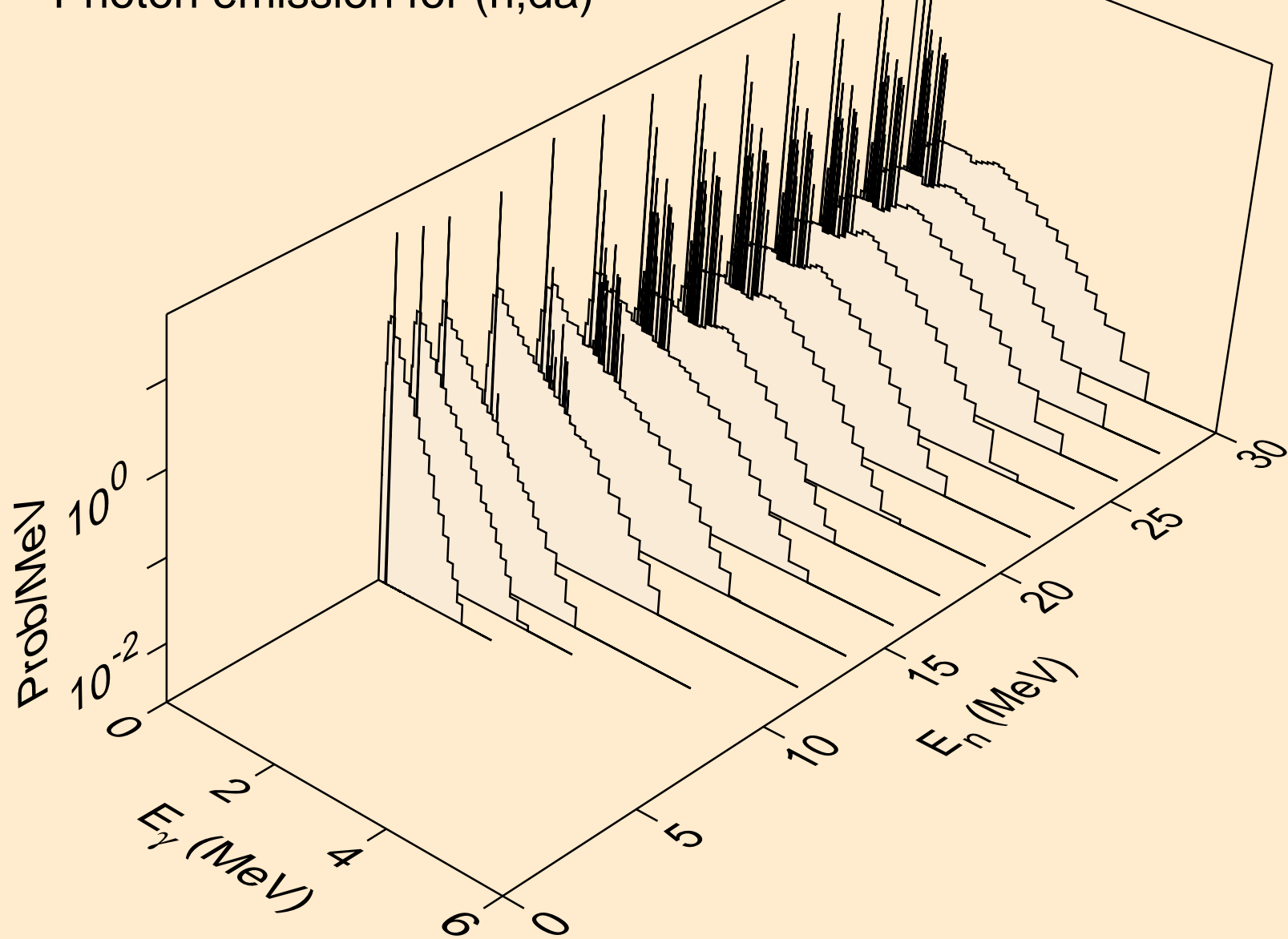
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pd)



OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pt)

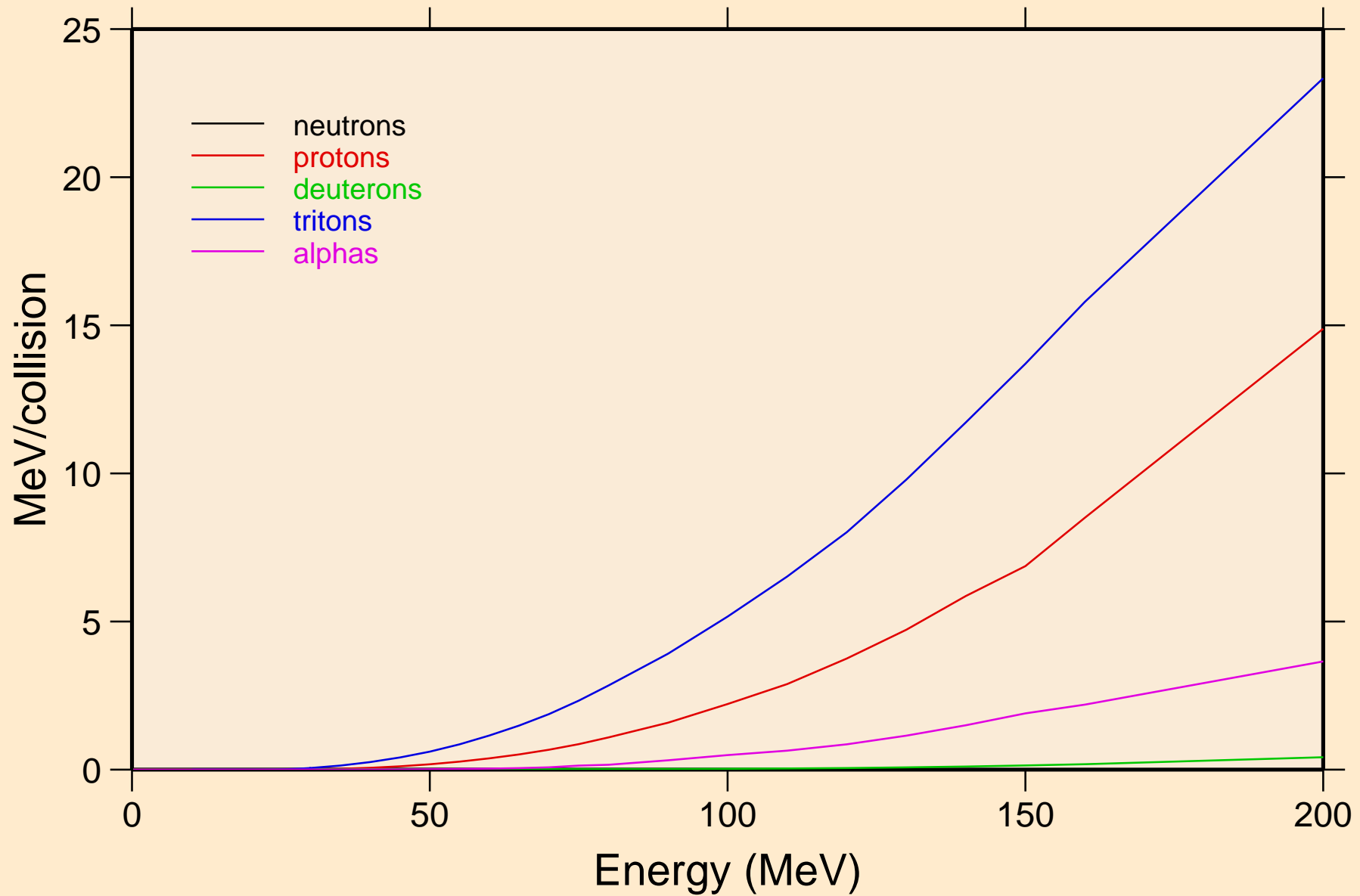


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Photon emission for (n,da)



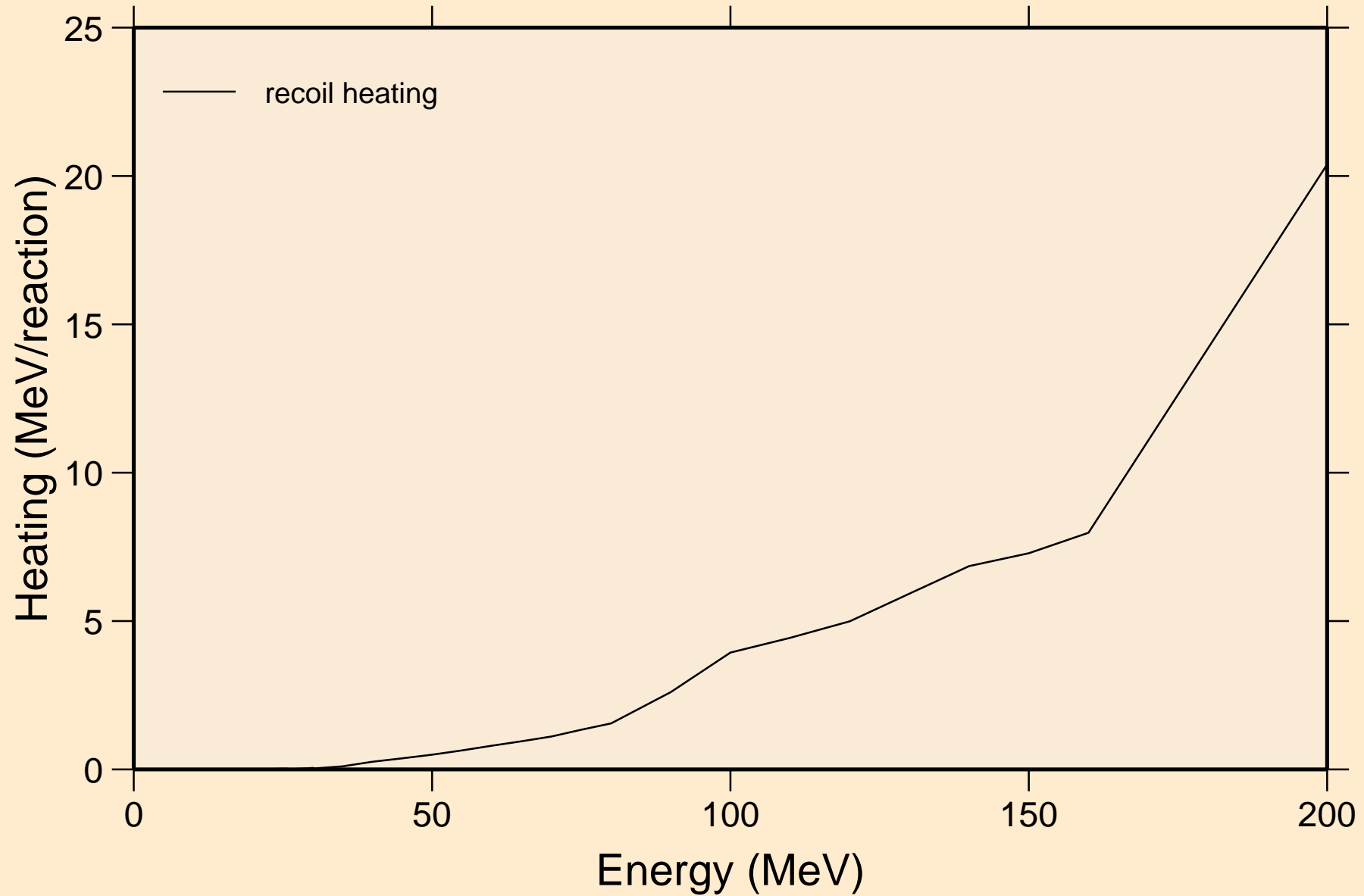
# OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Particle heating contributions

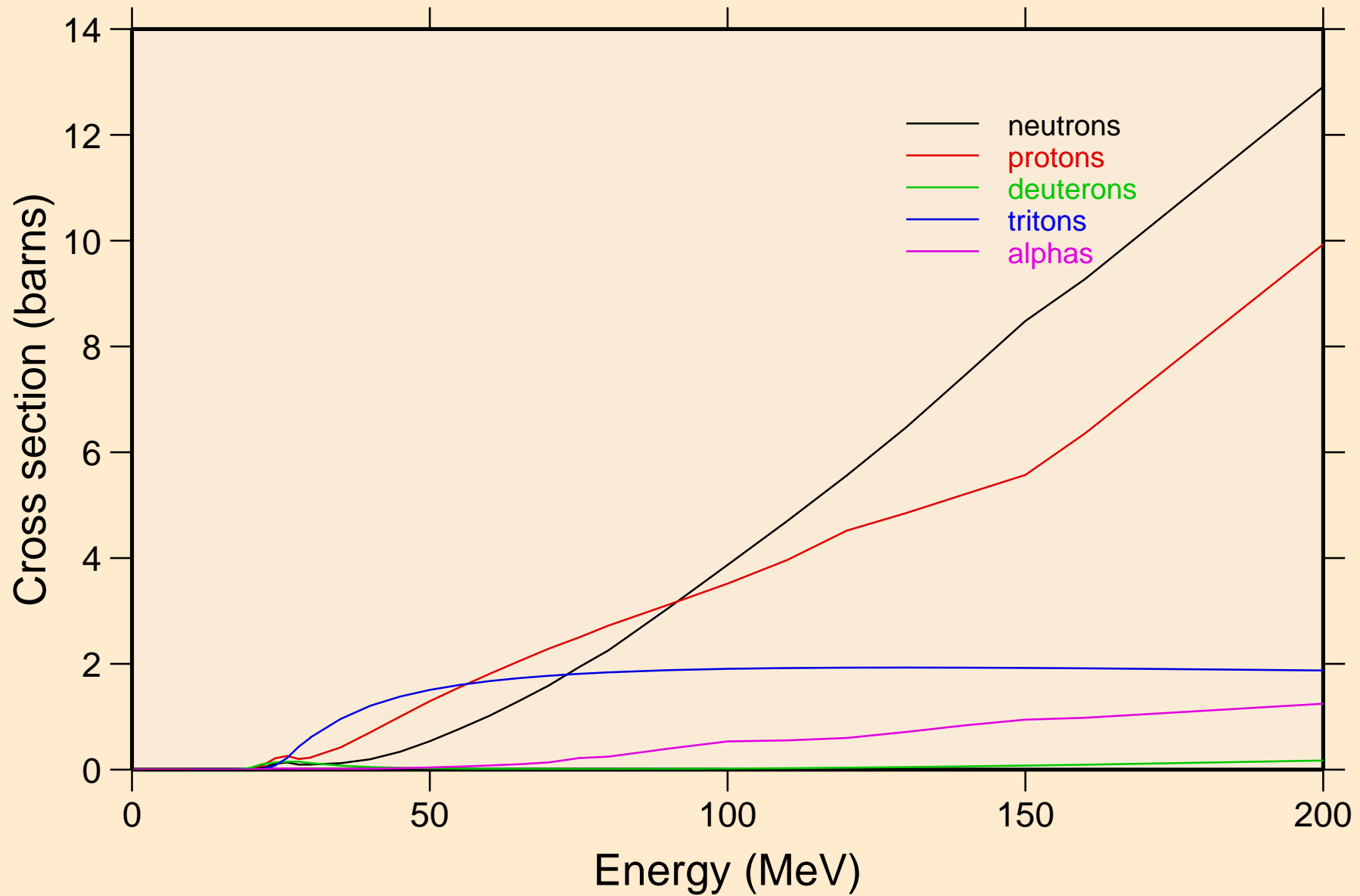




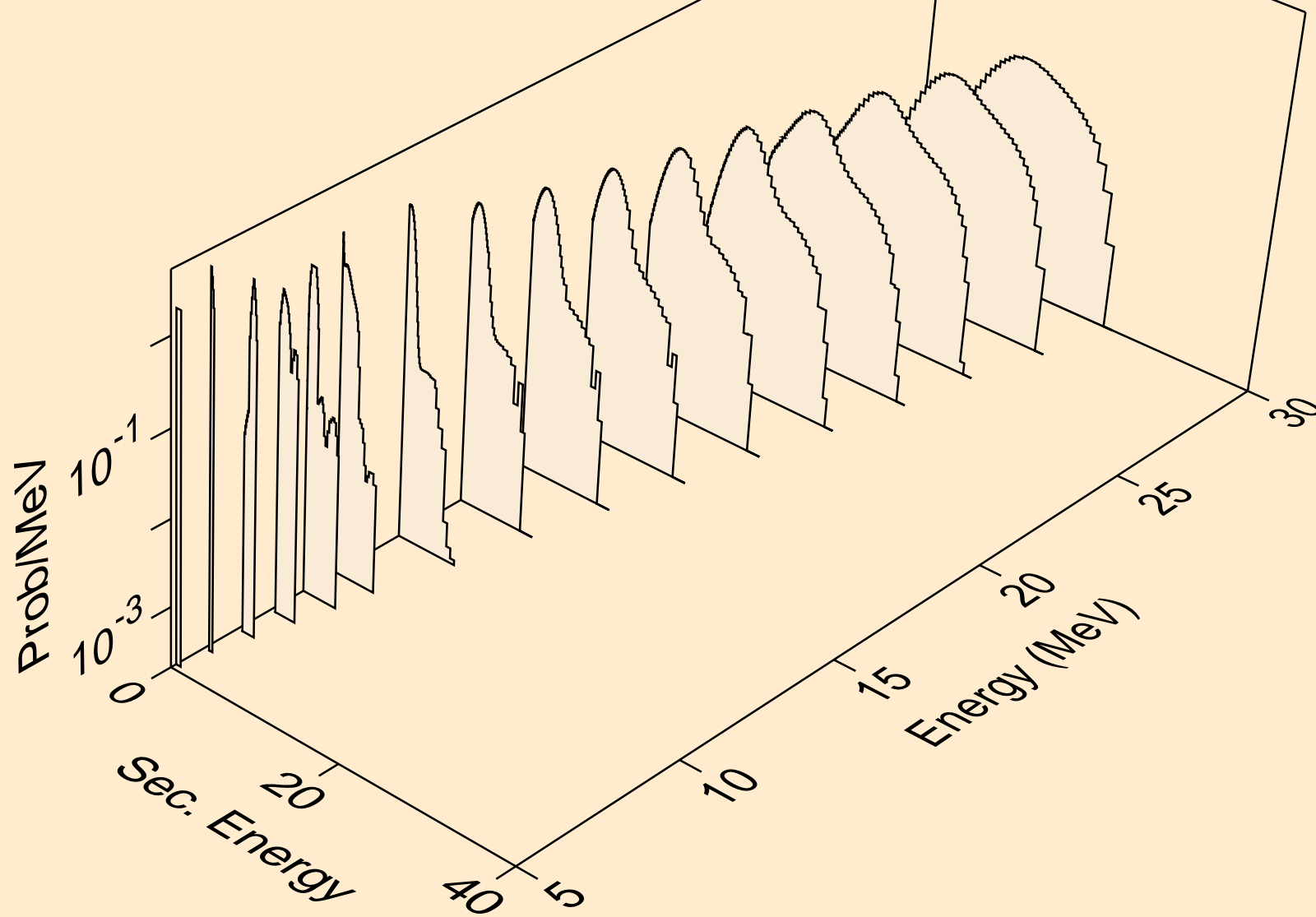
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Recoil Heating



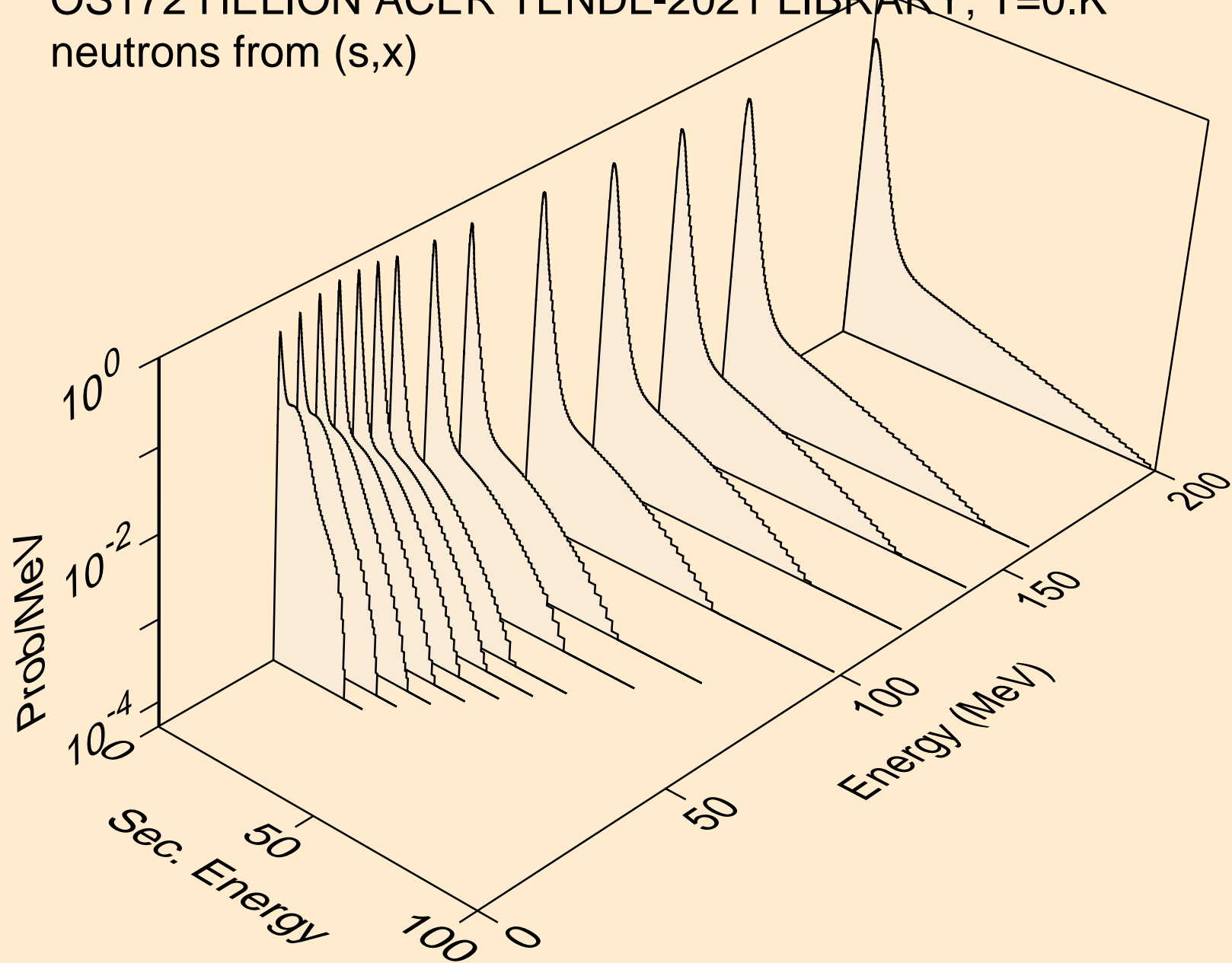
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Particle production cross sections



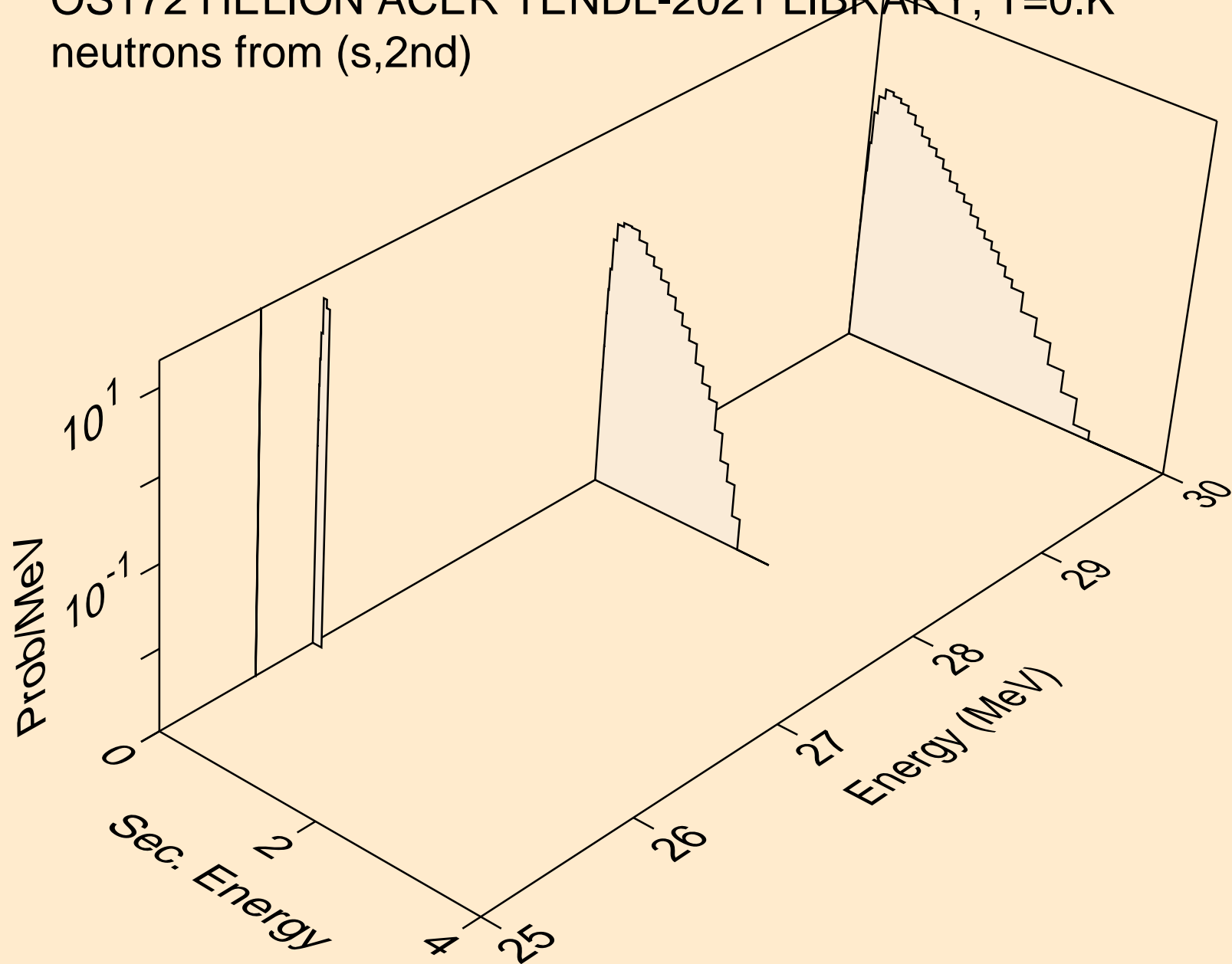
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n)



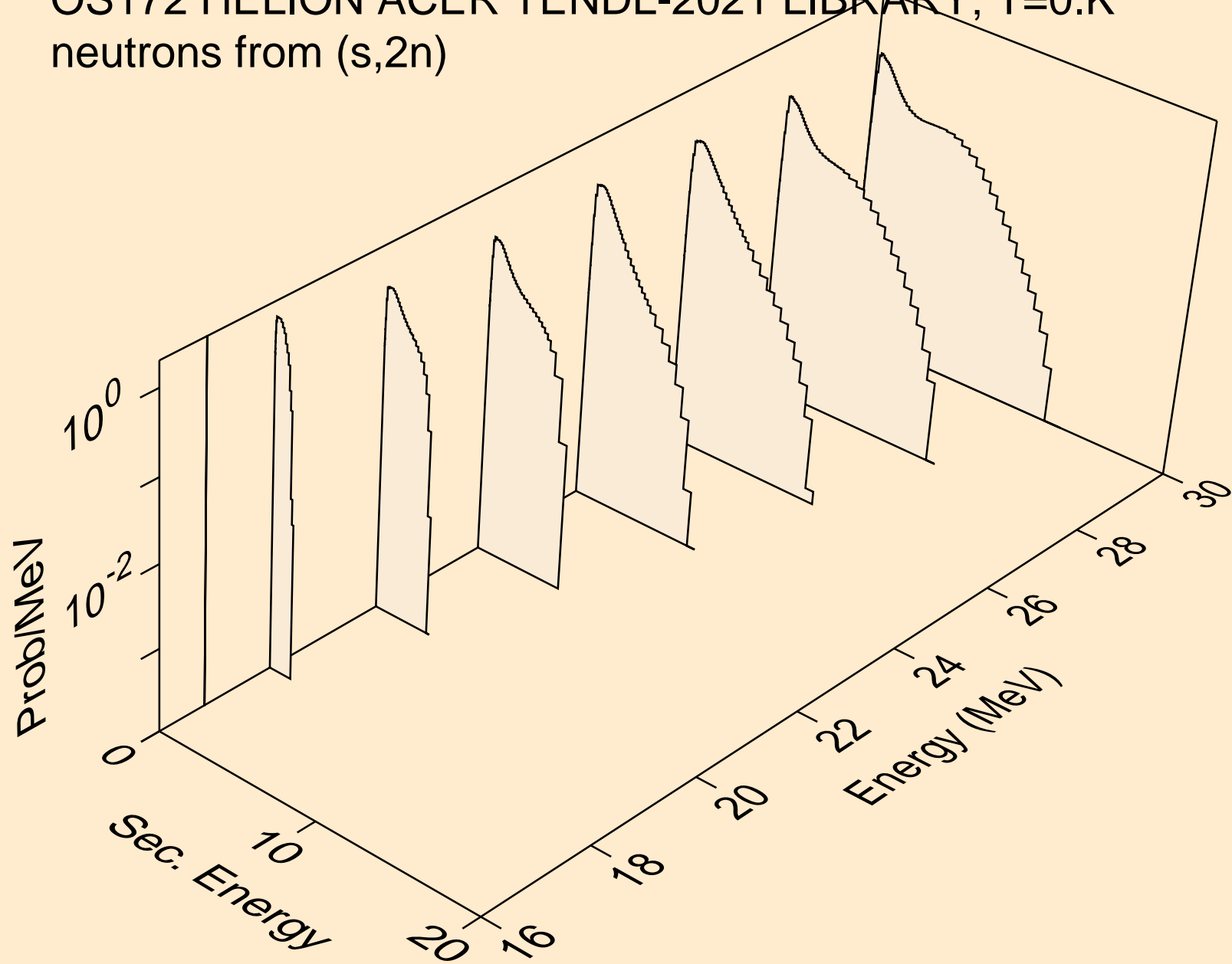
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neutrons from (s,x)



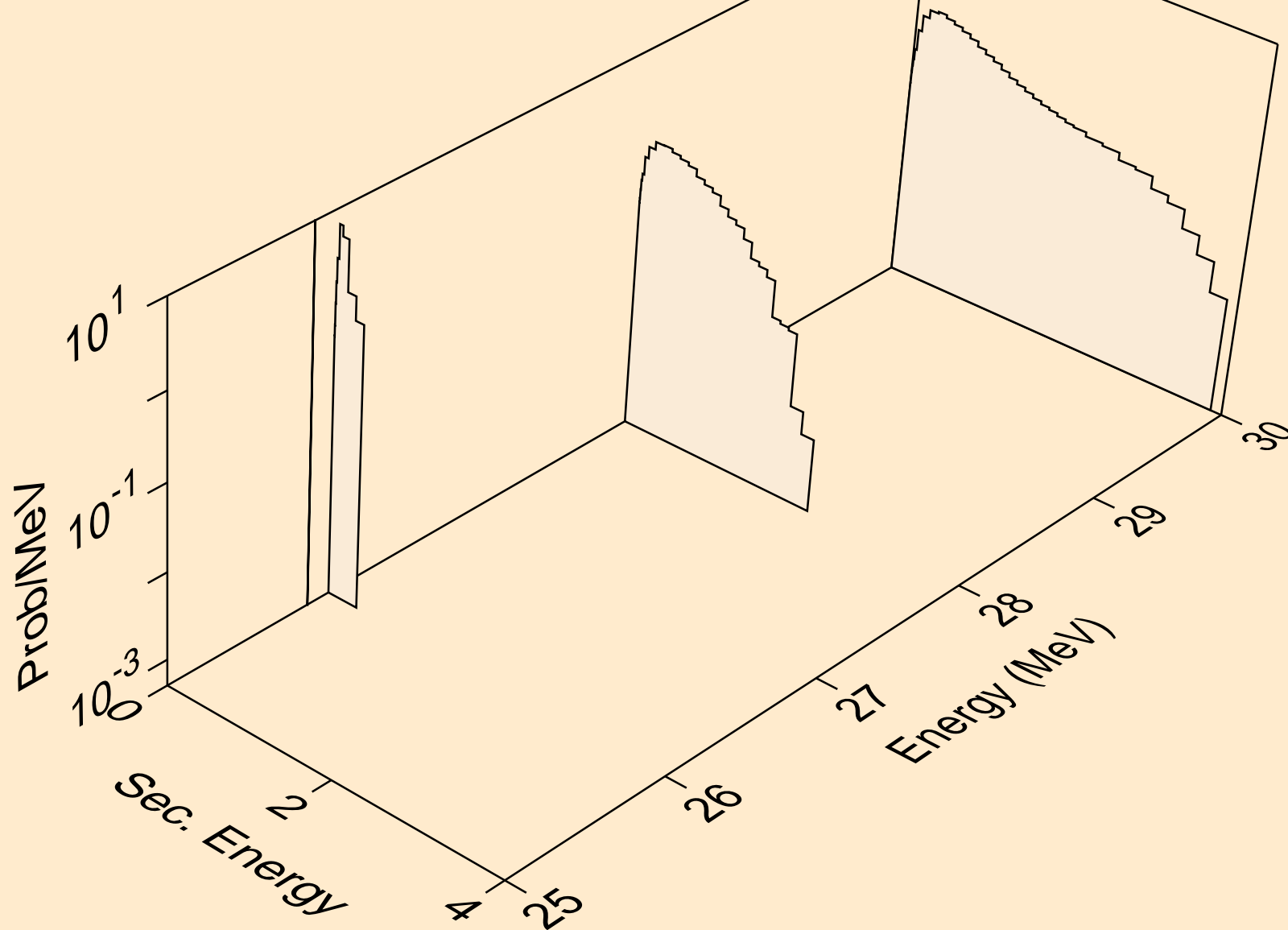
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neutrons from (s,2nd)



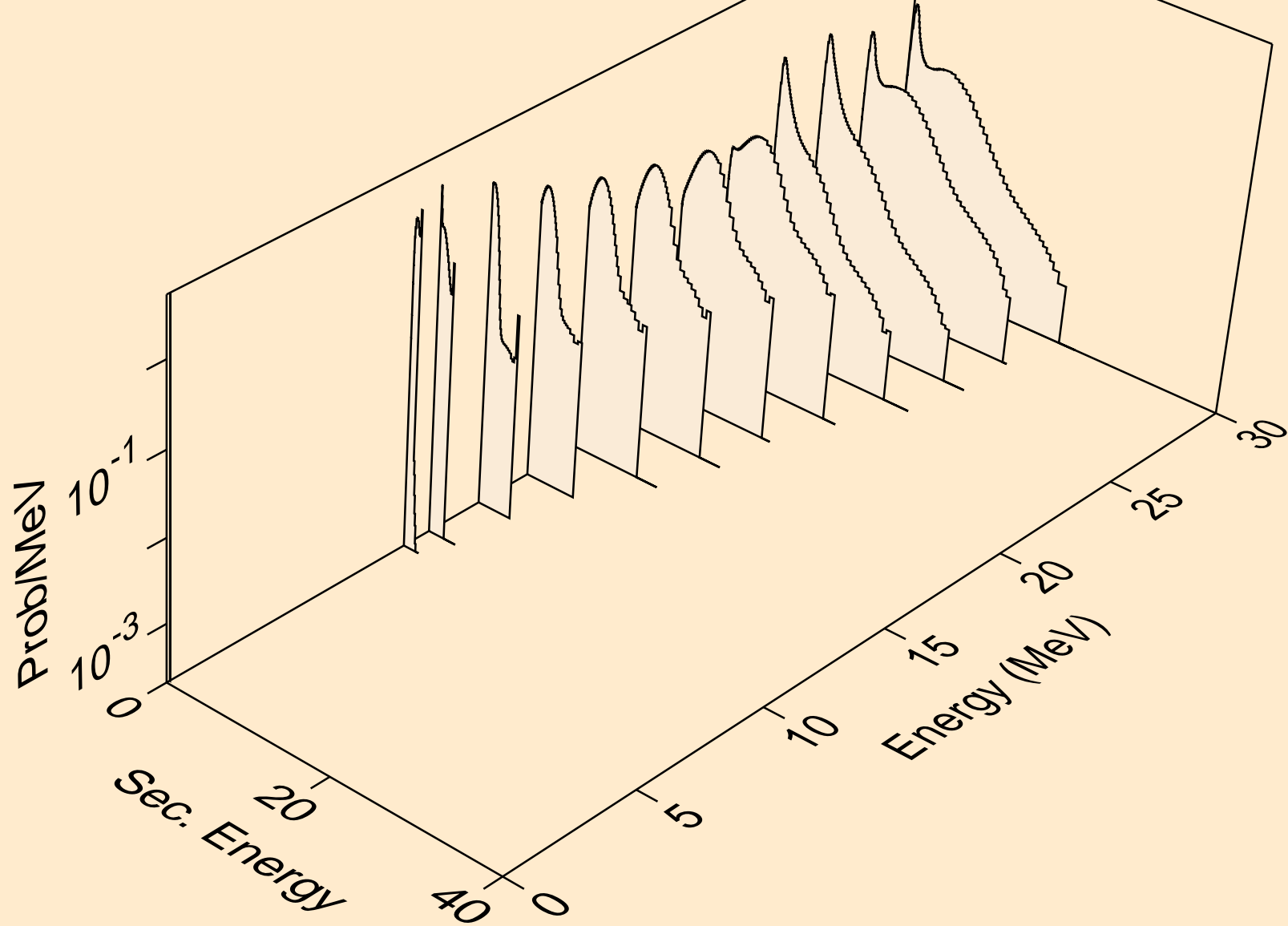
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2n)



OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,3n)

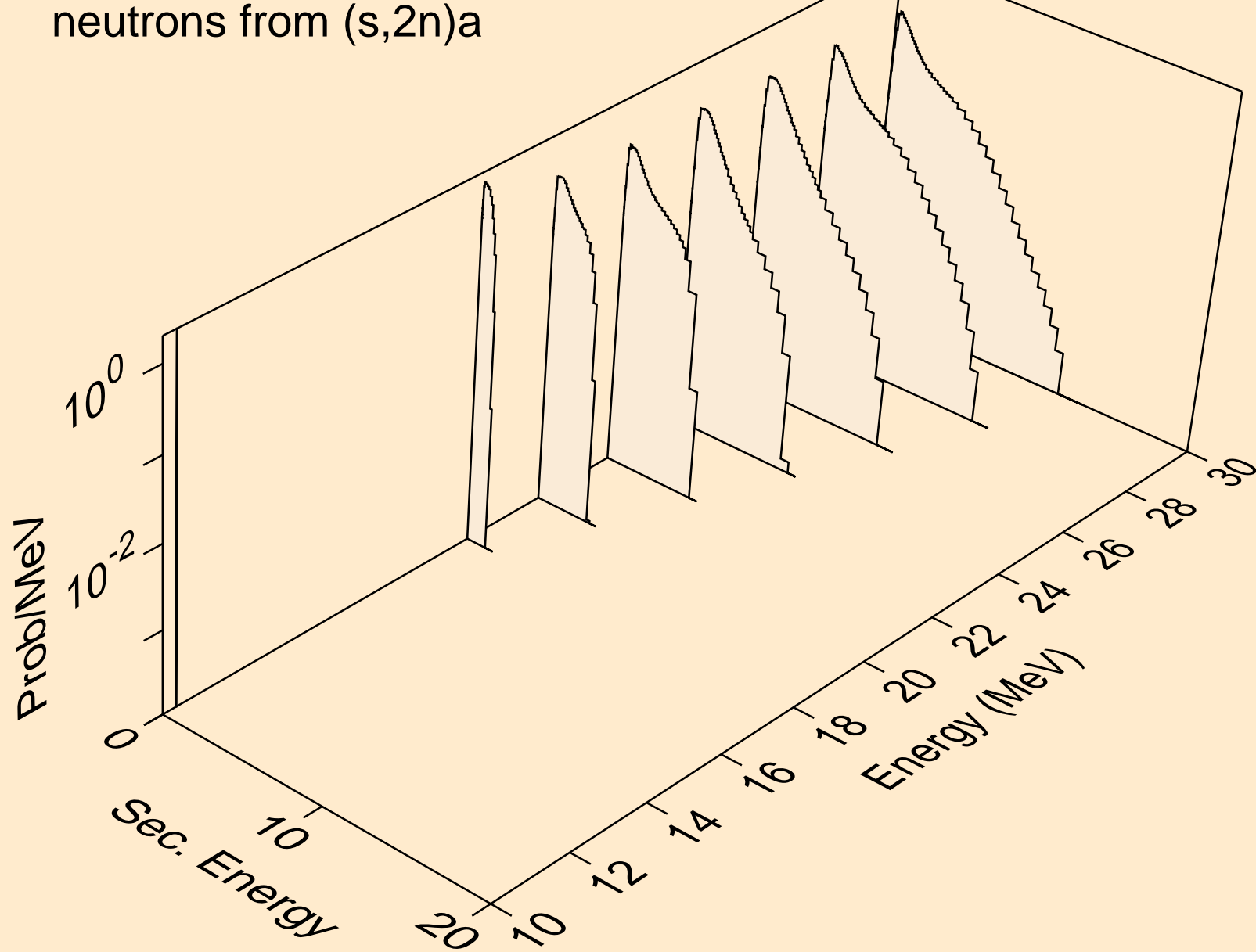


OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)a

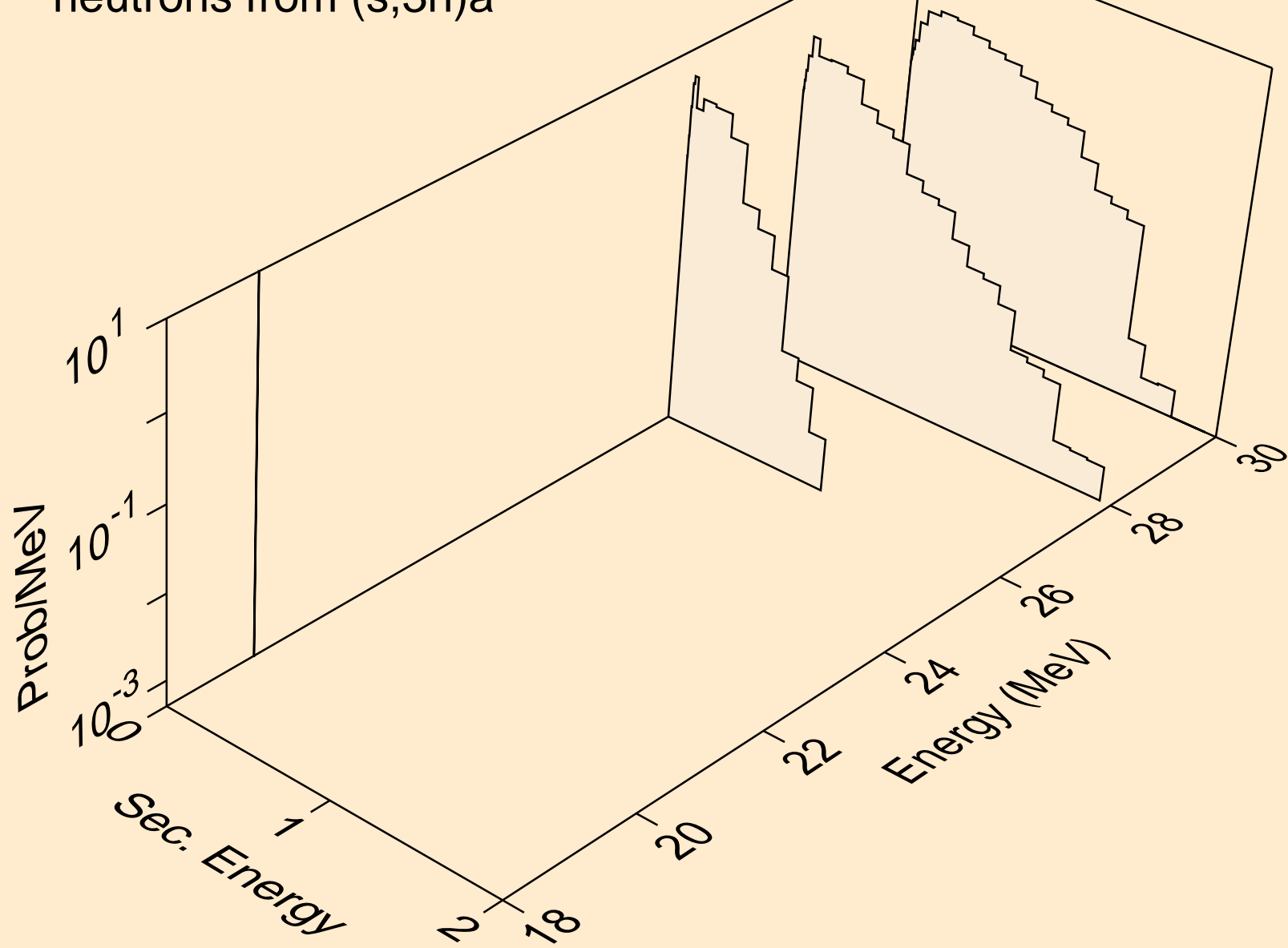




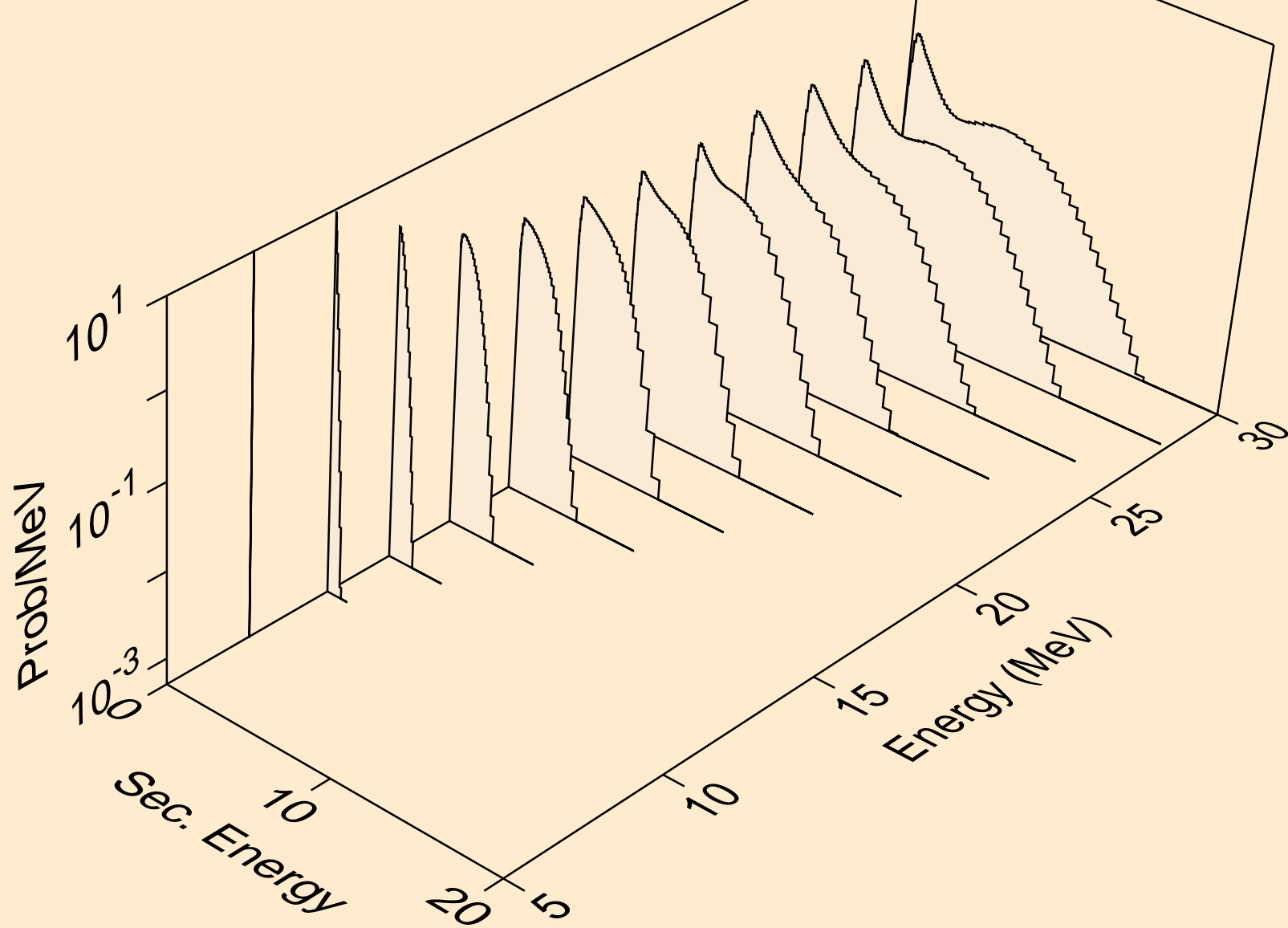
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2n)a



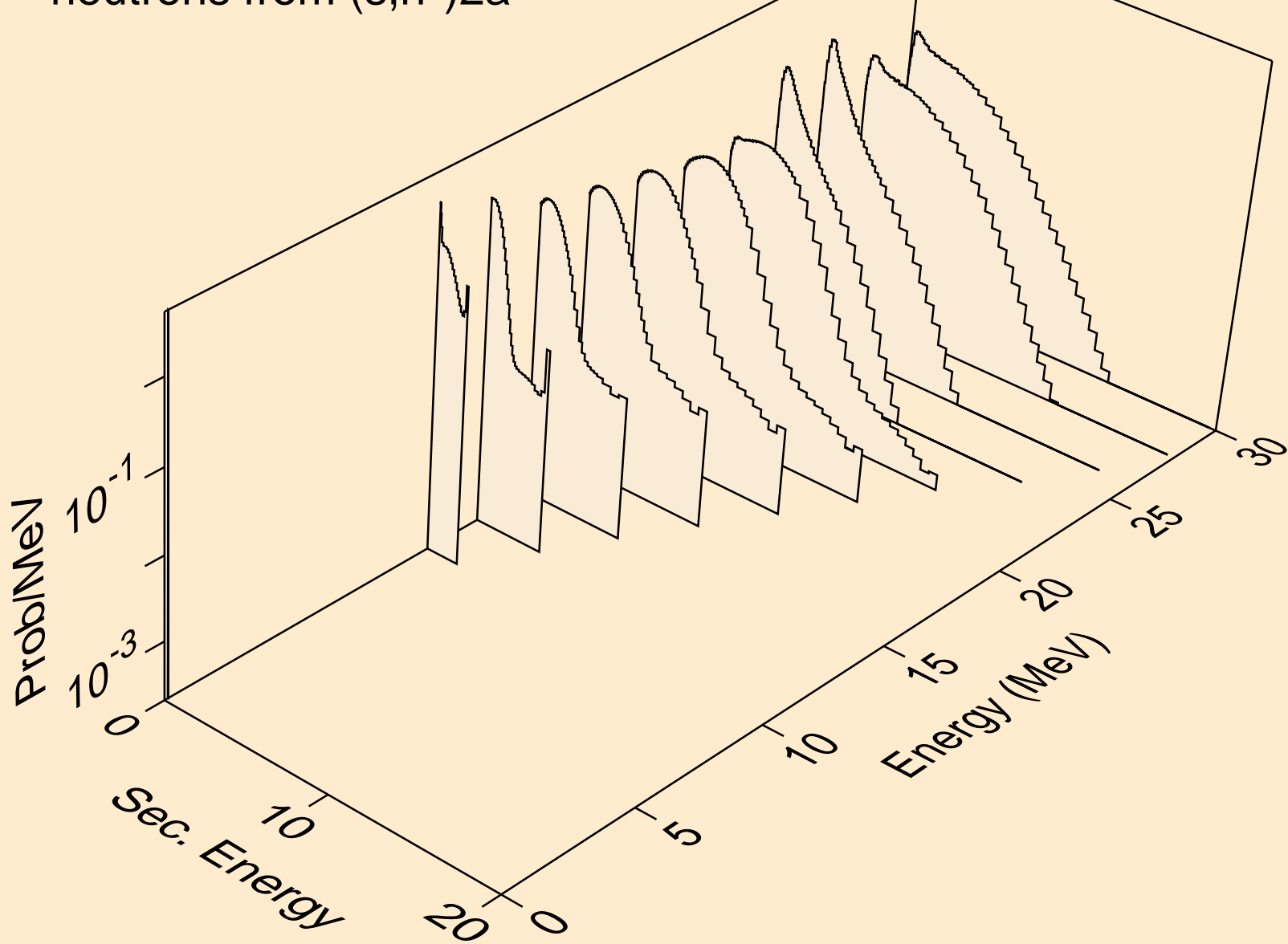
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neutrons from (s,3n)a



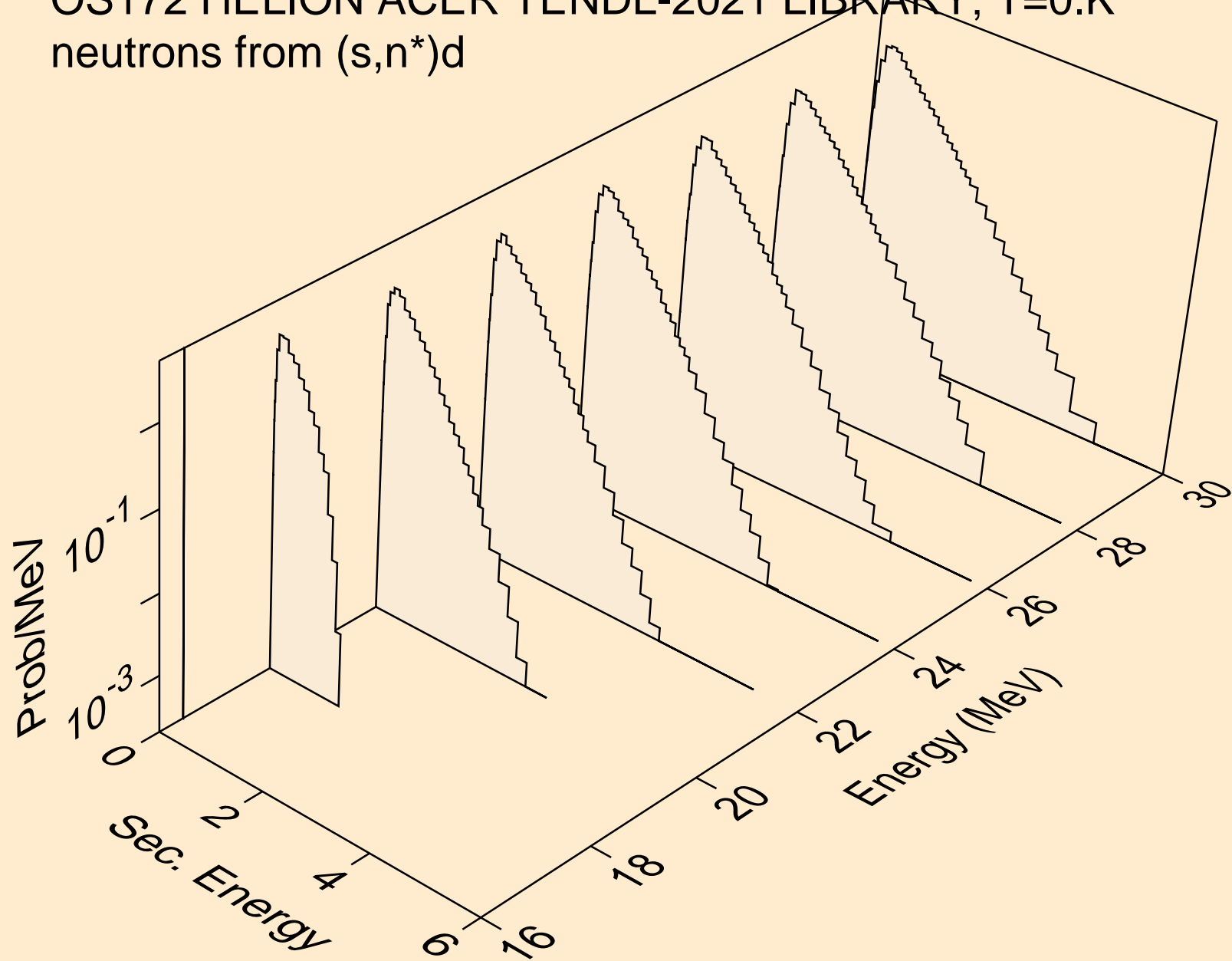
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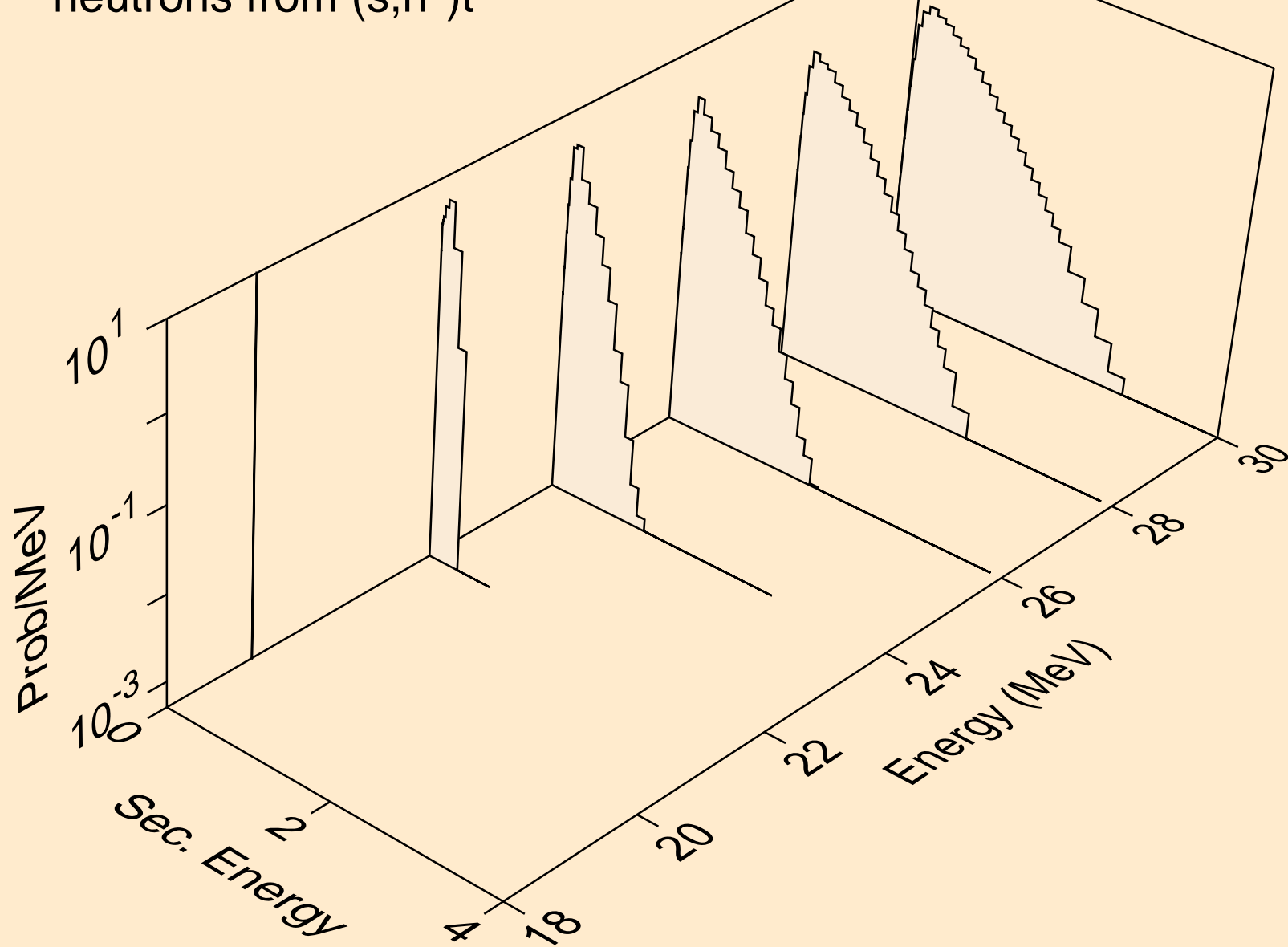
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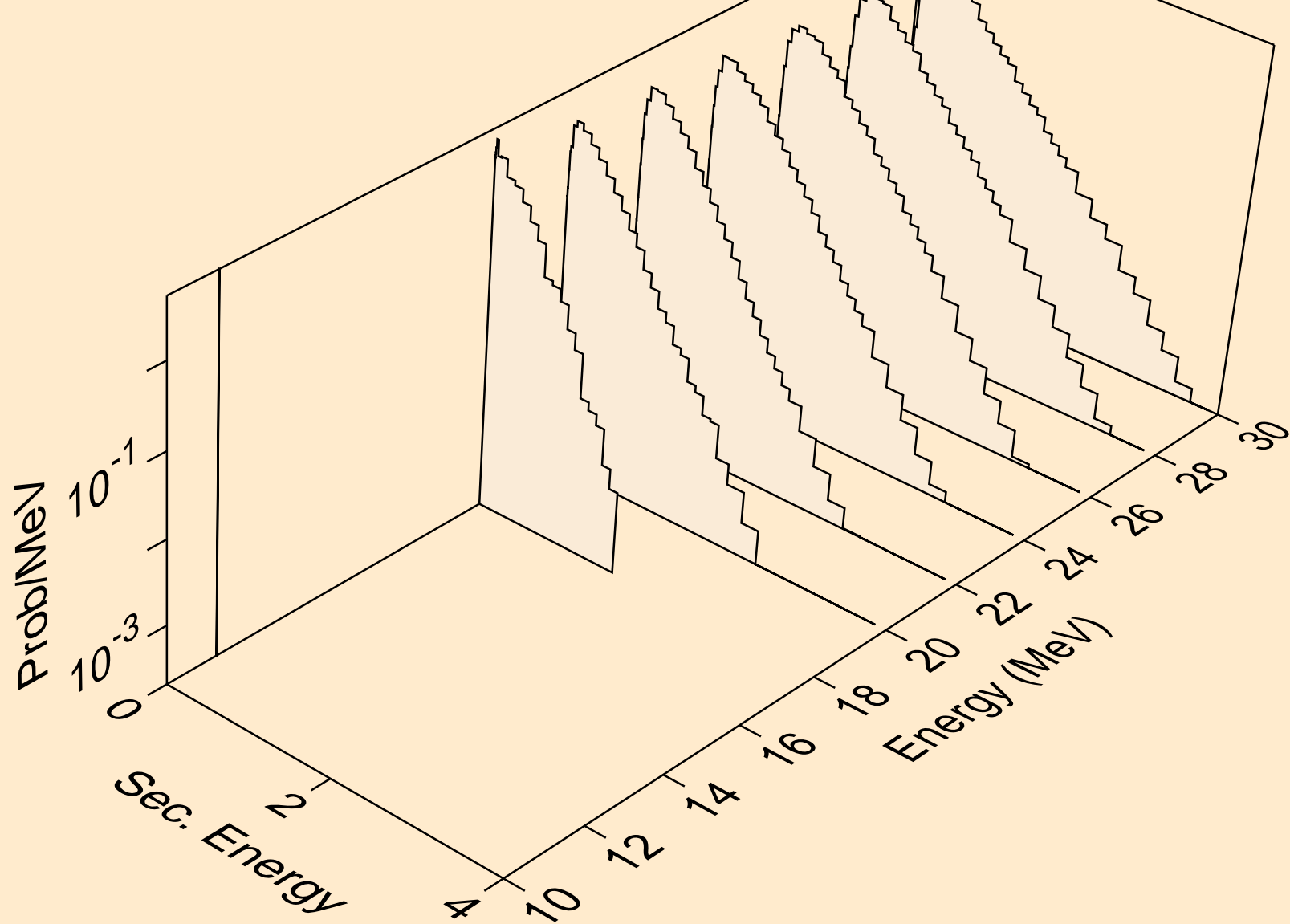
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neutrons from (s,n\*)d



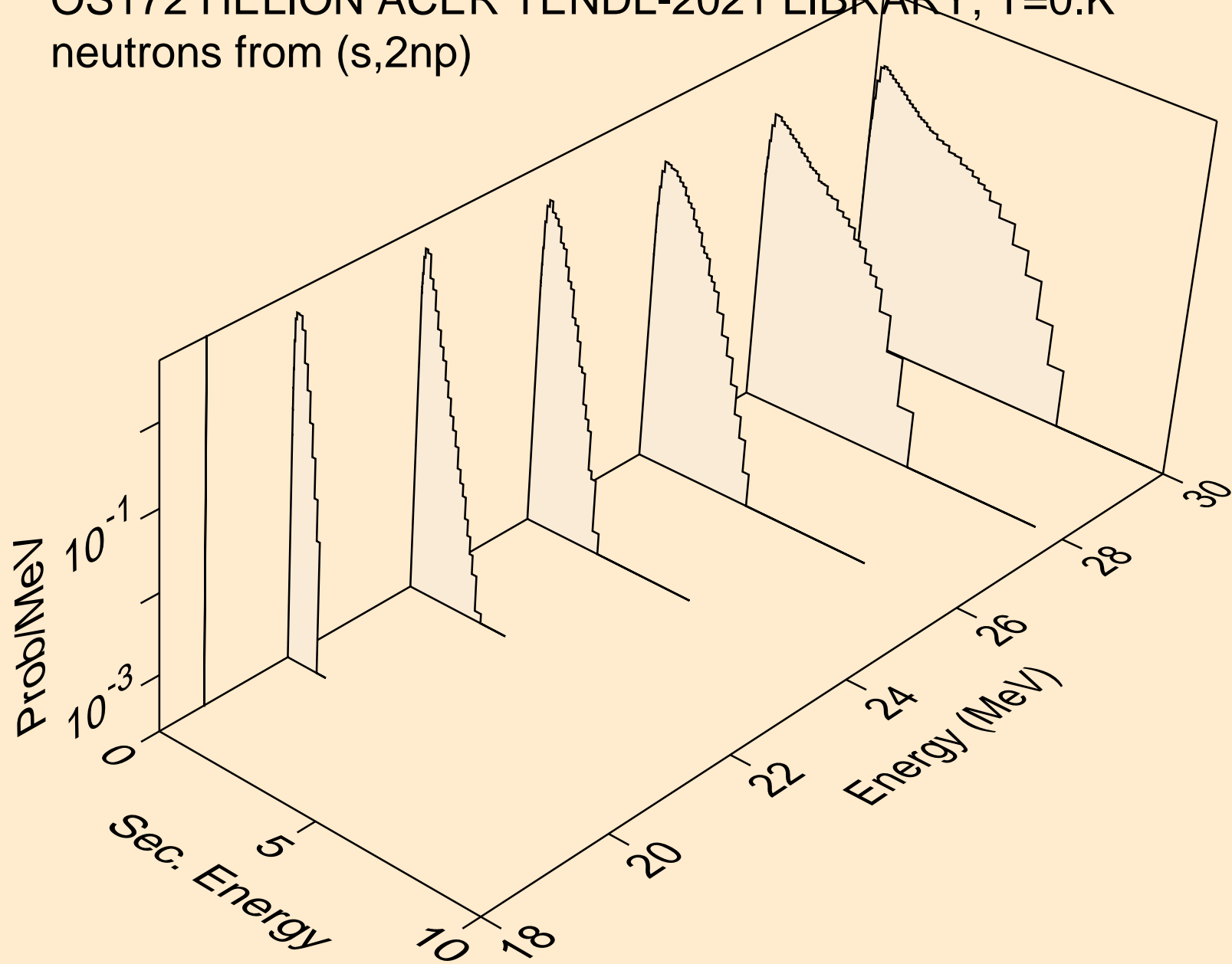
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)t



OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)he3

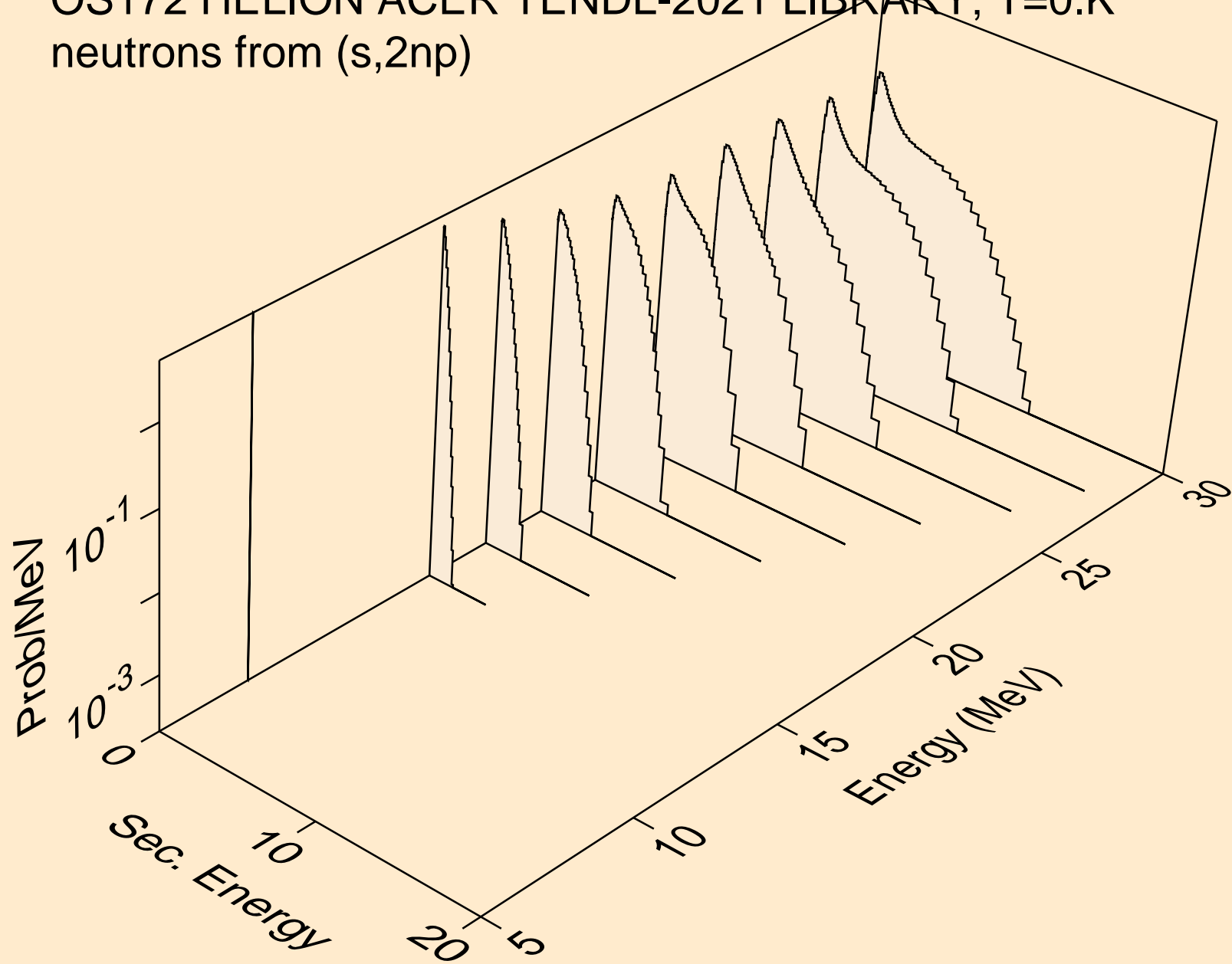


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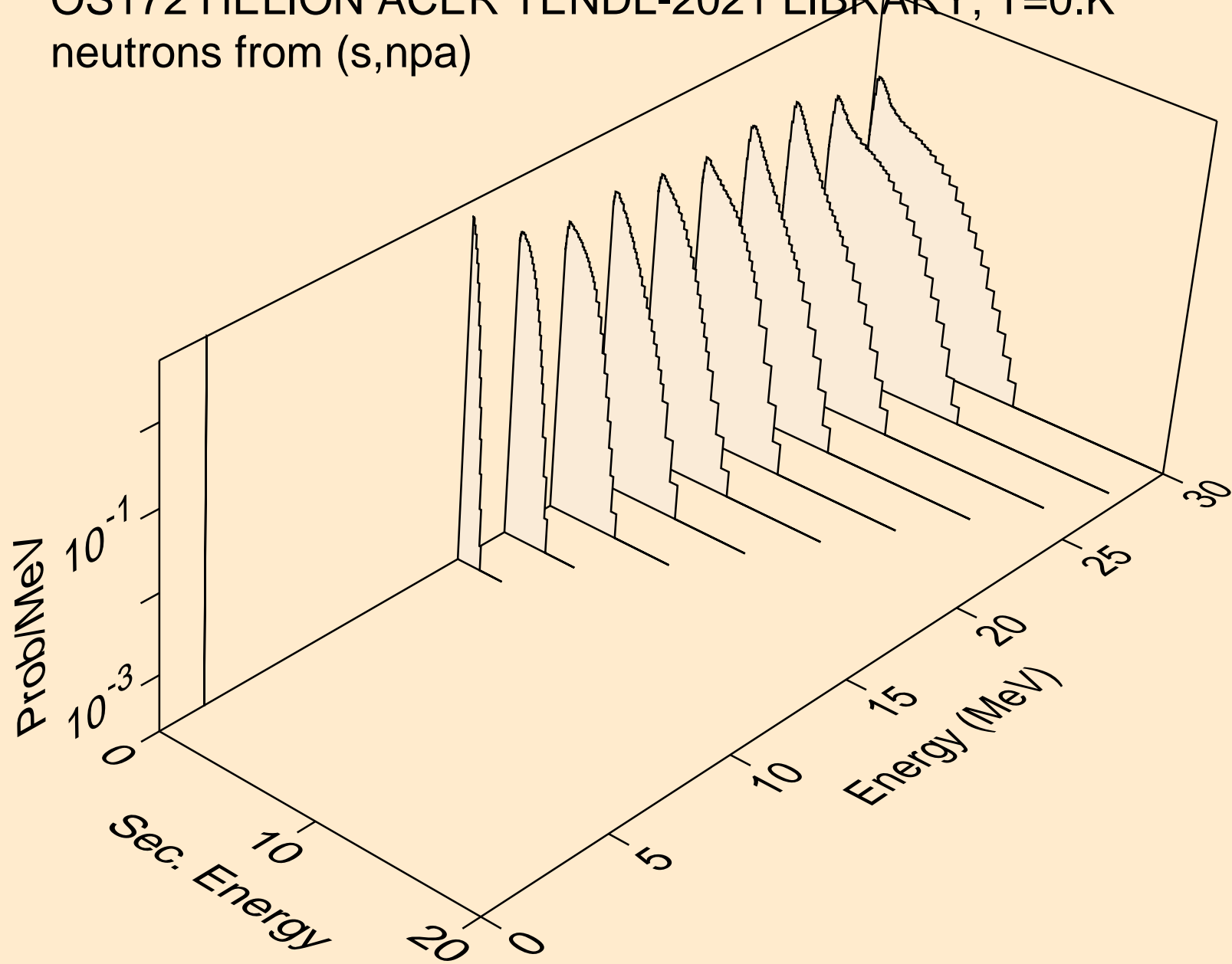




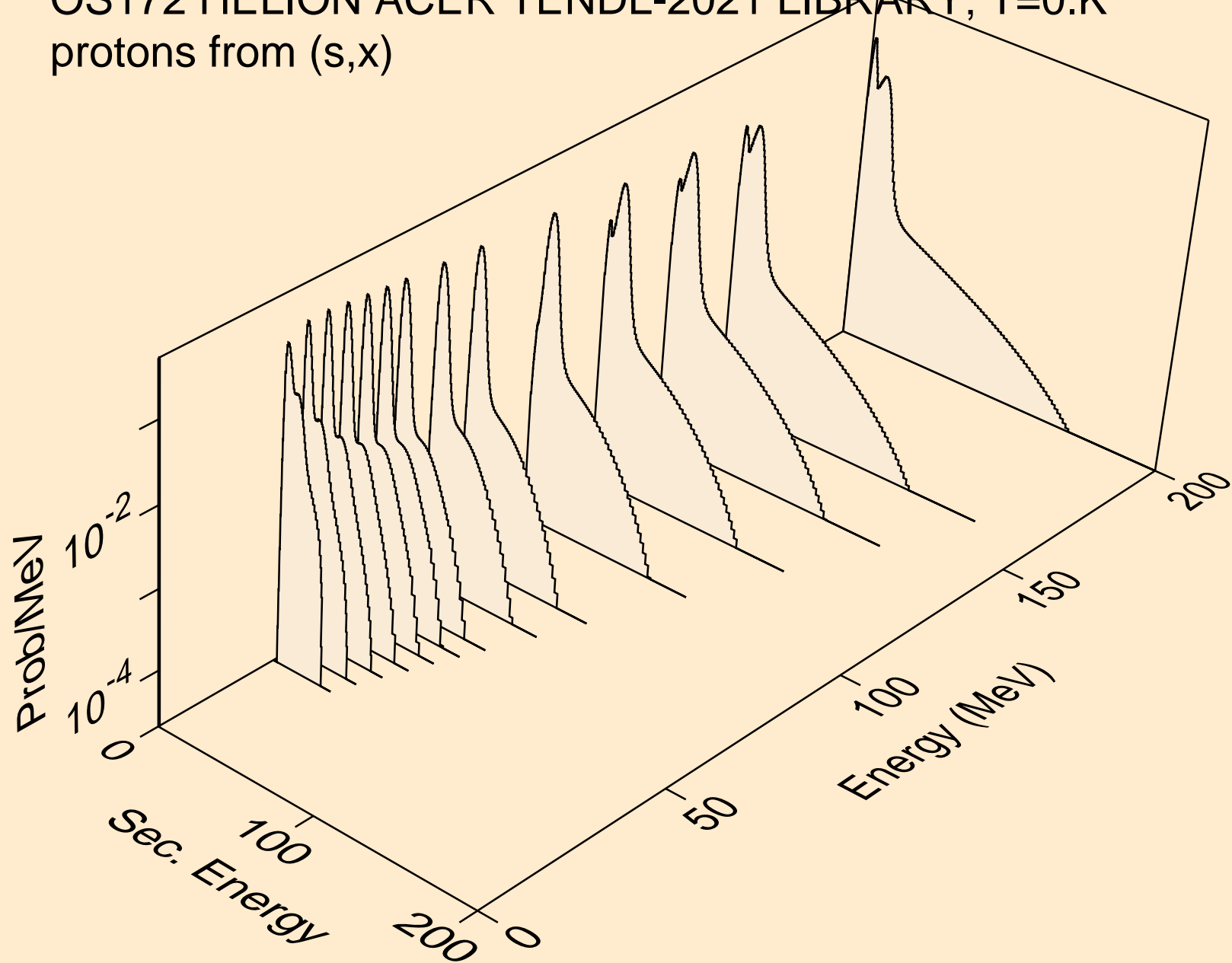
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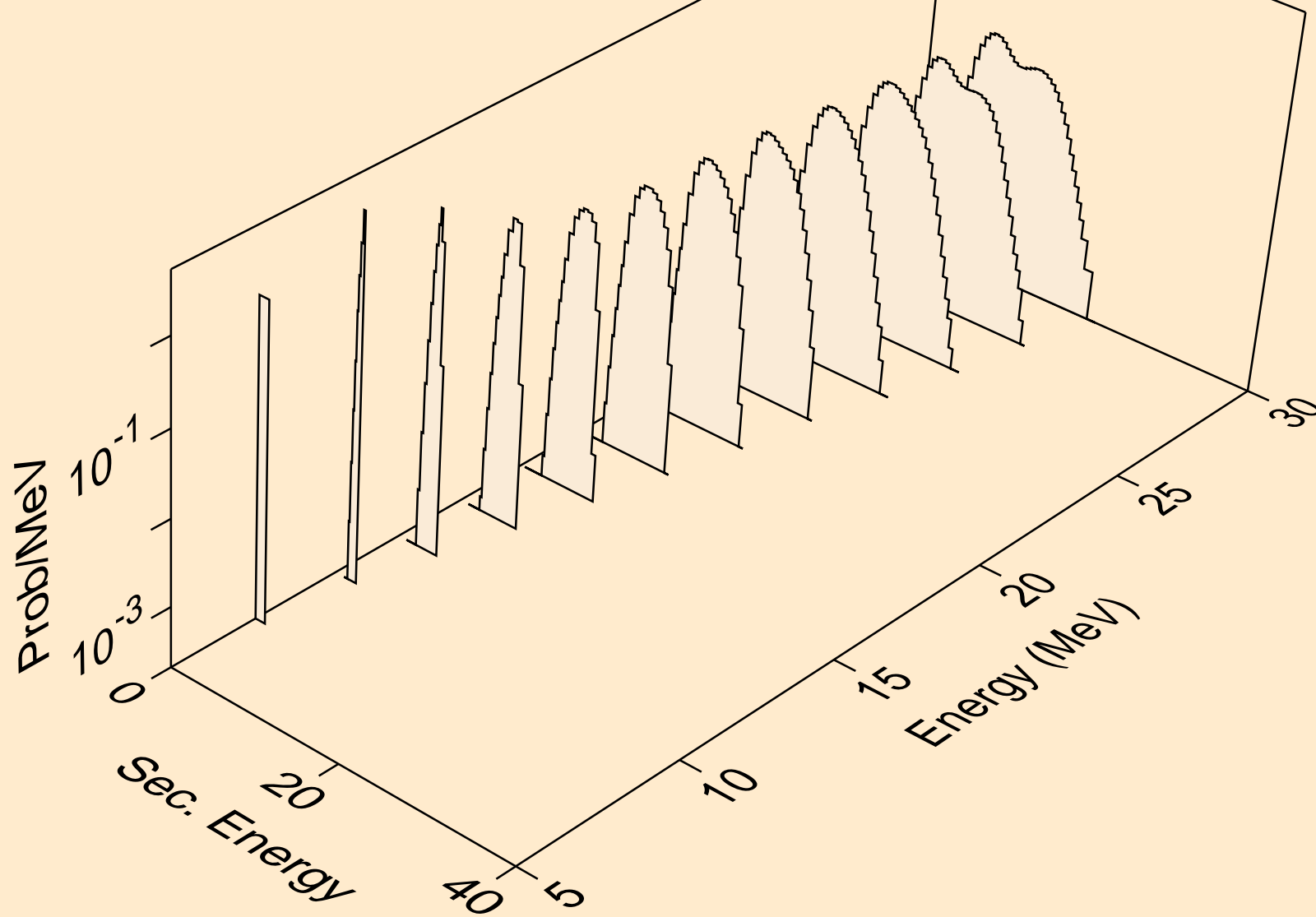
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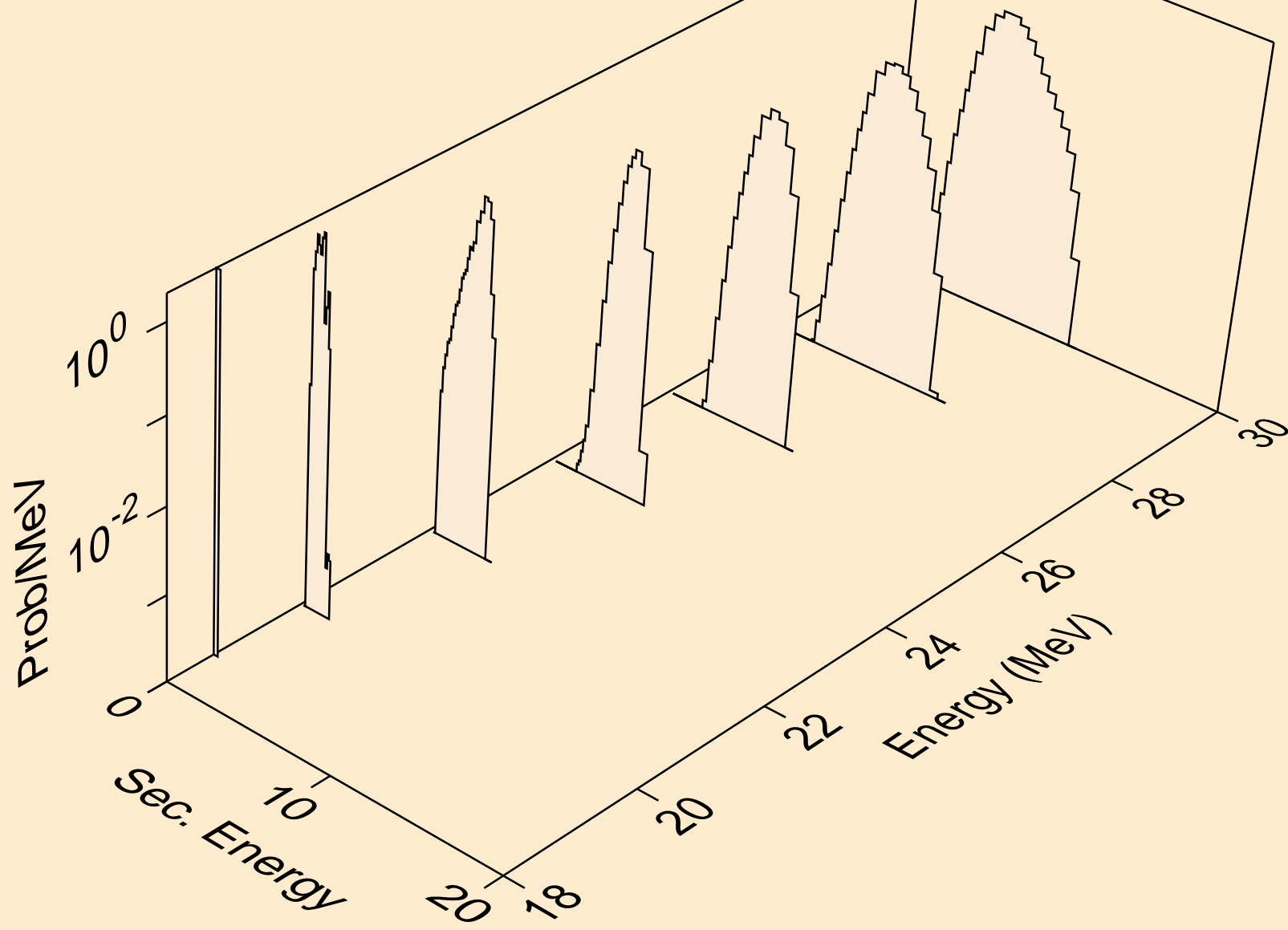
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
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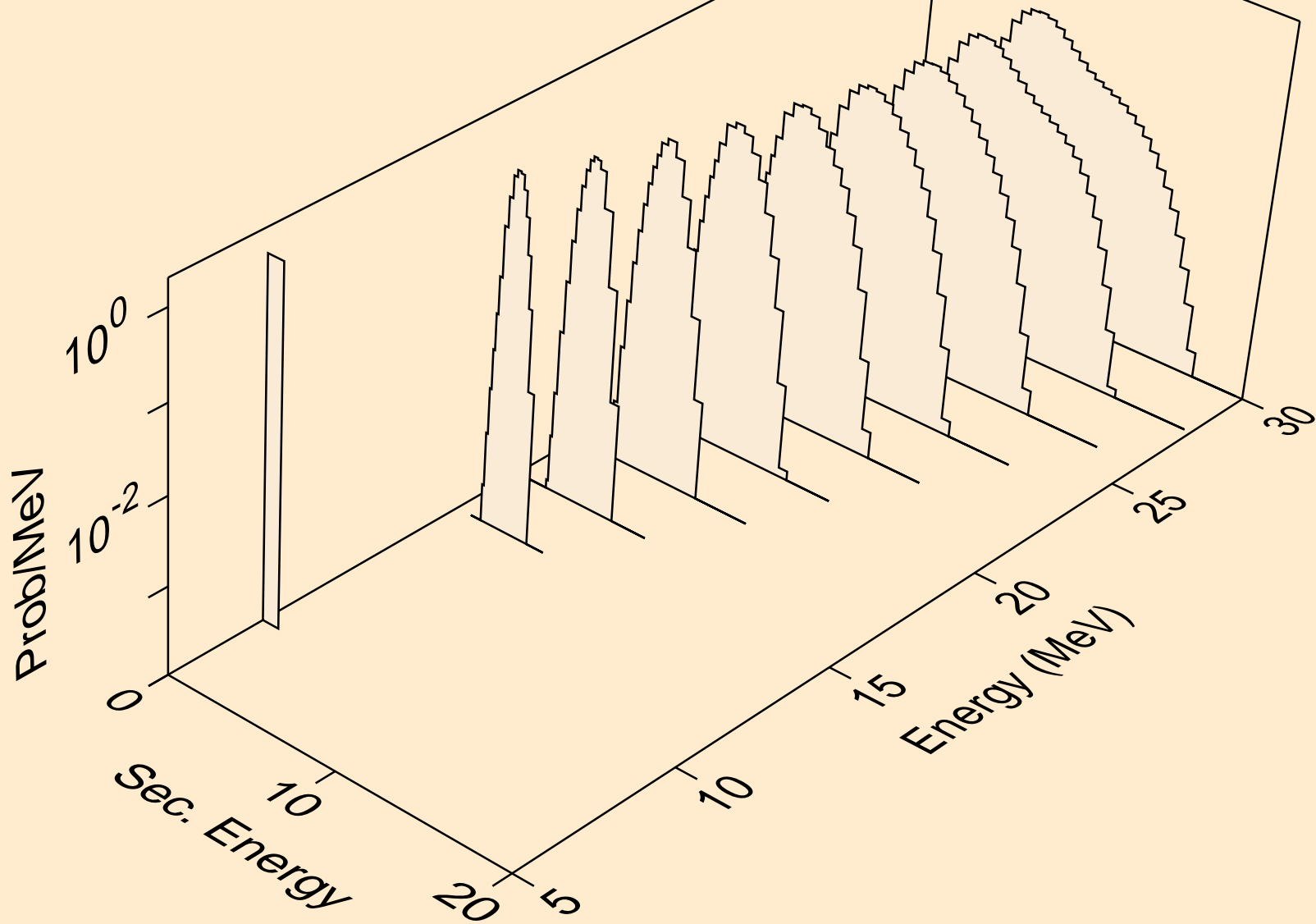
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,n\*)p



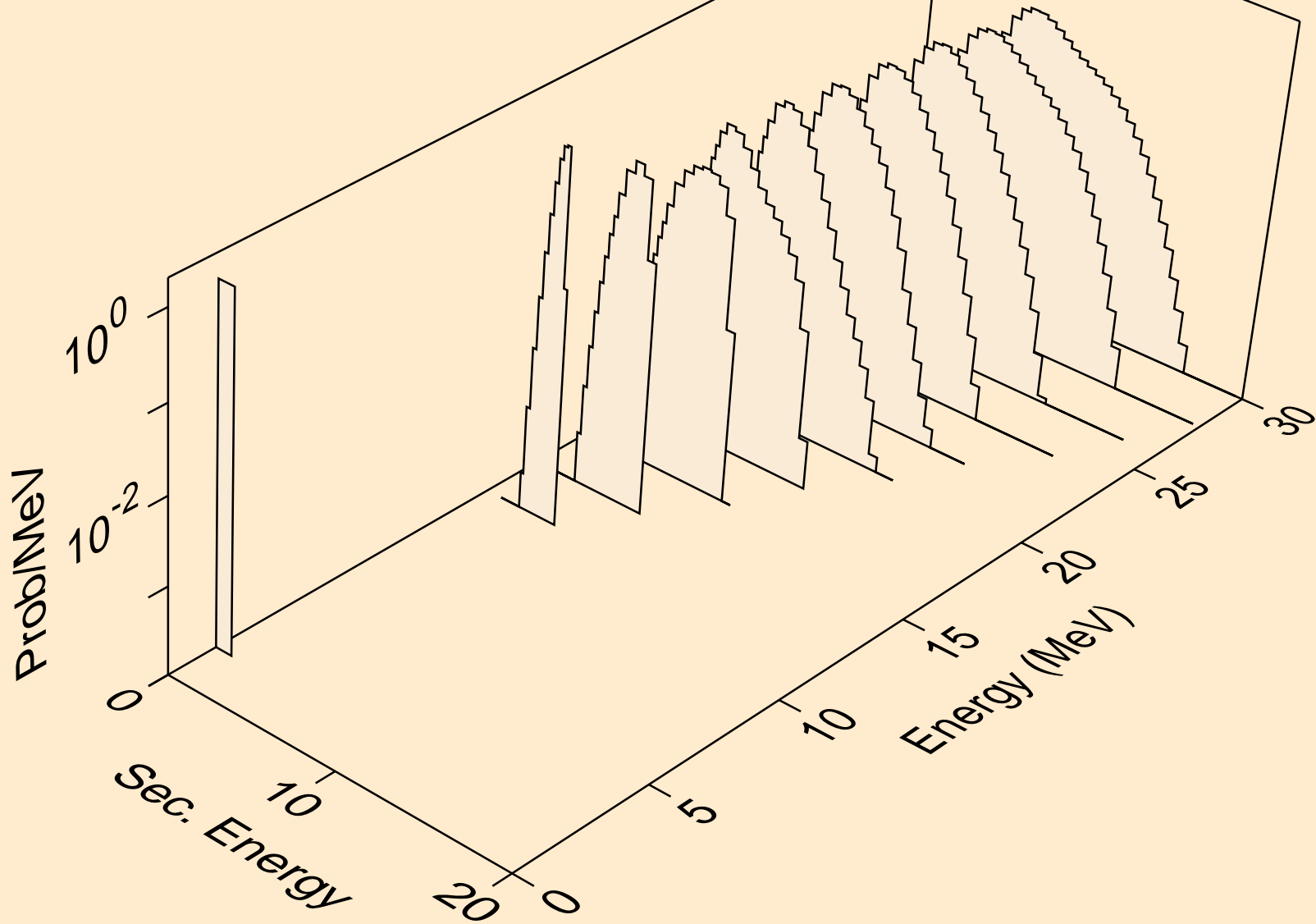
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protons from (s,2np)



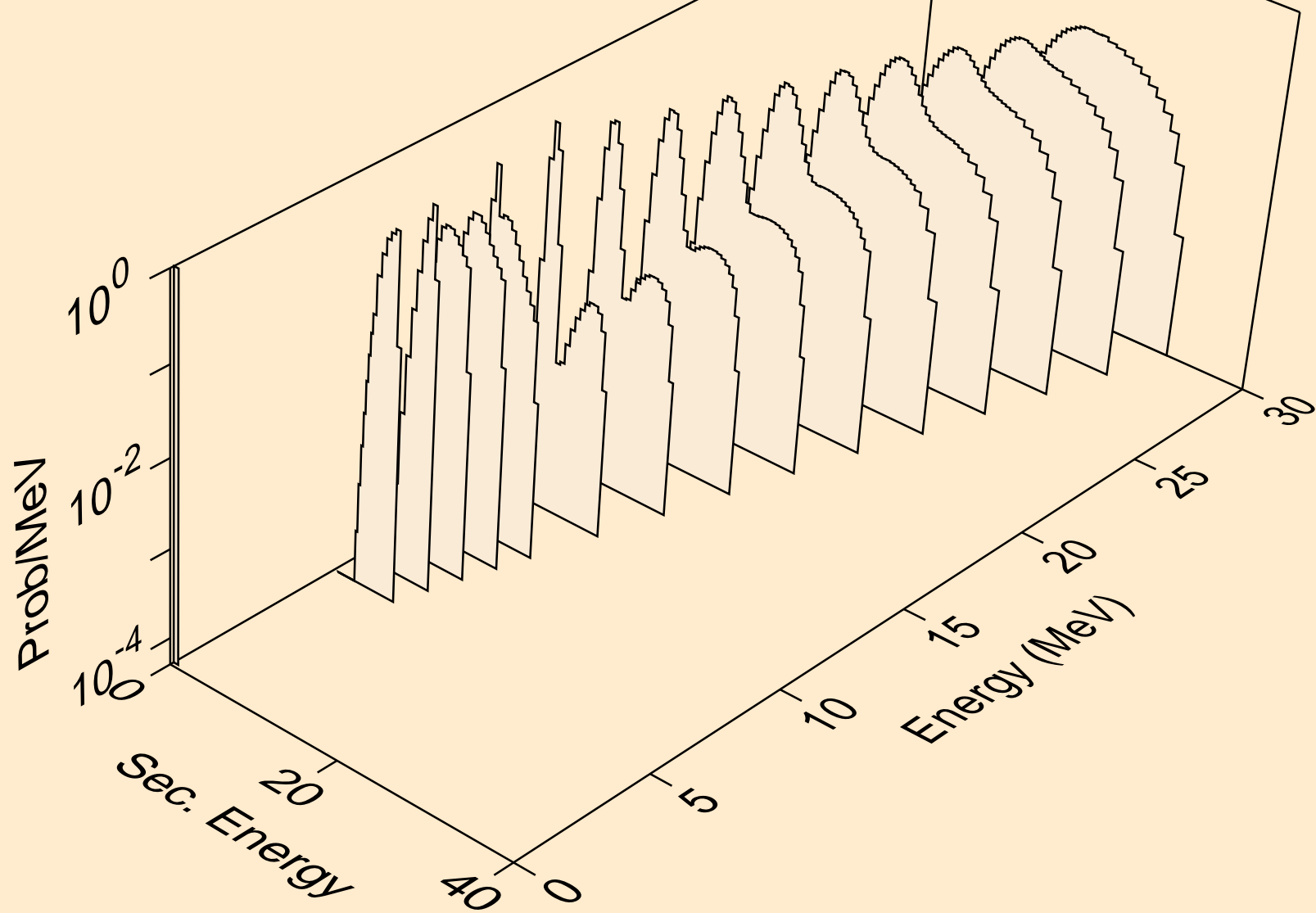
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protons from (s,2np)



OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,npa)

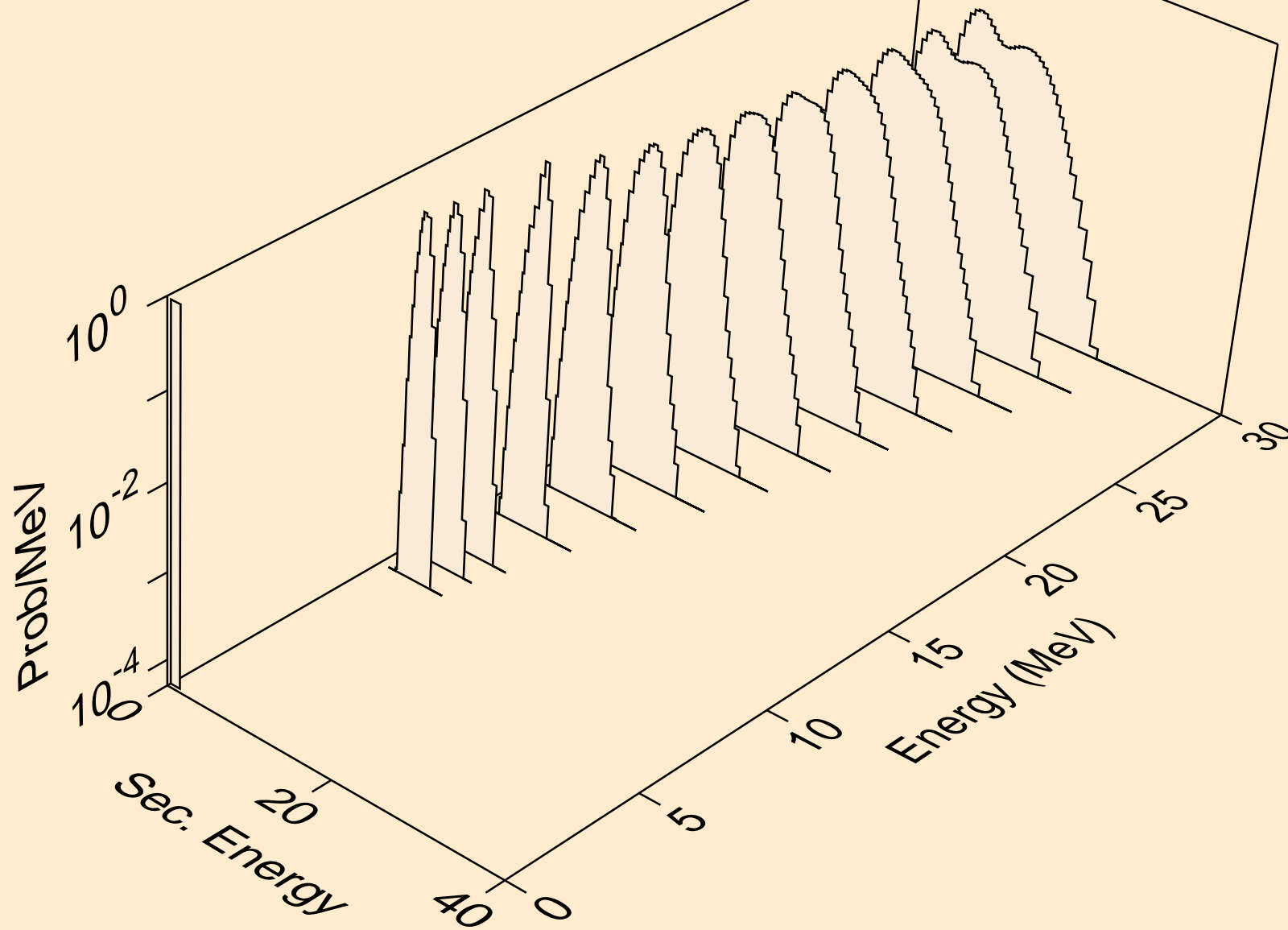


OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
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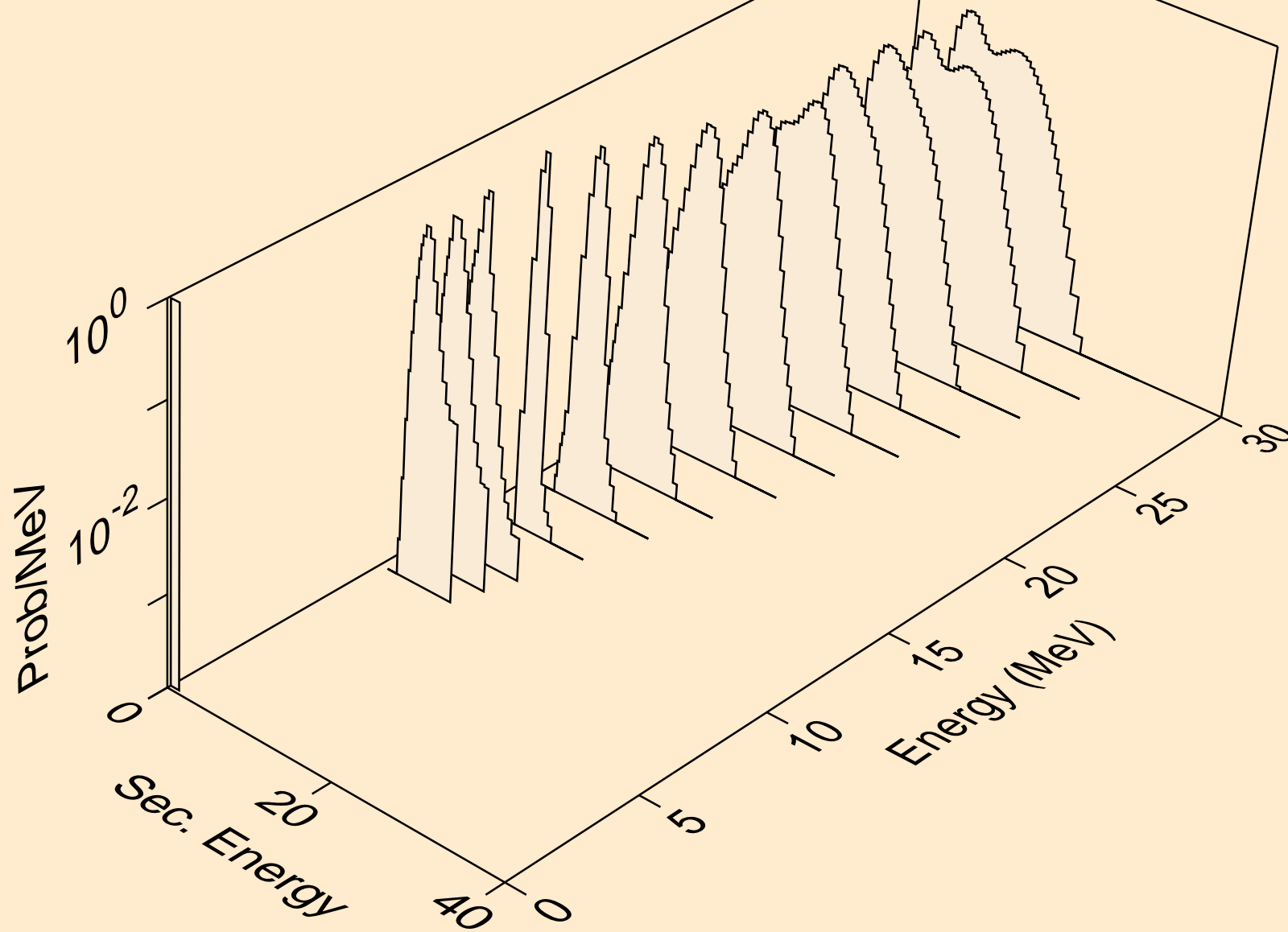




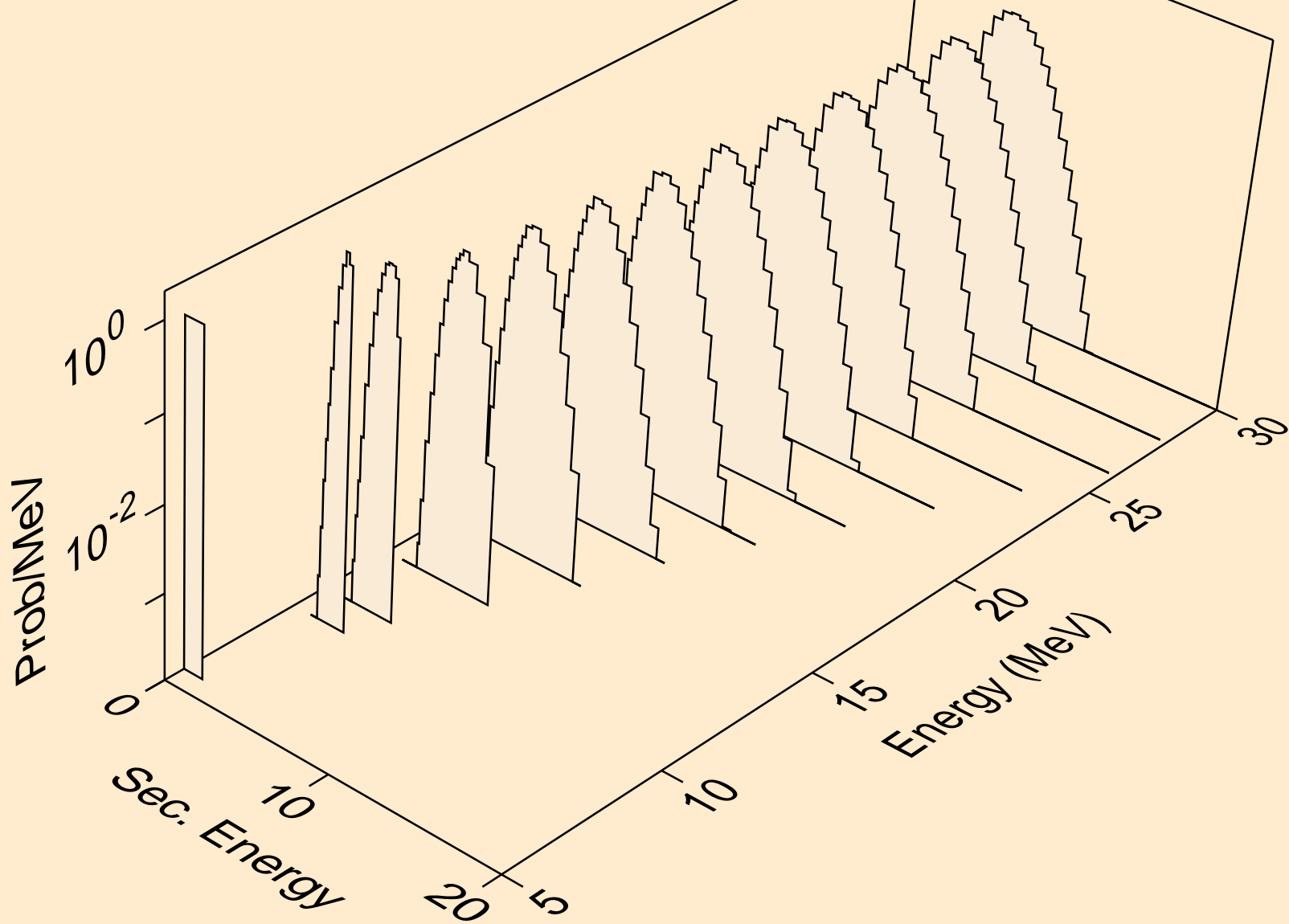
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protons from (s,2p)



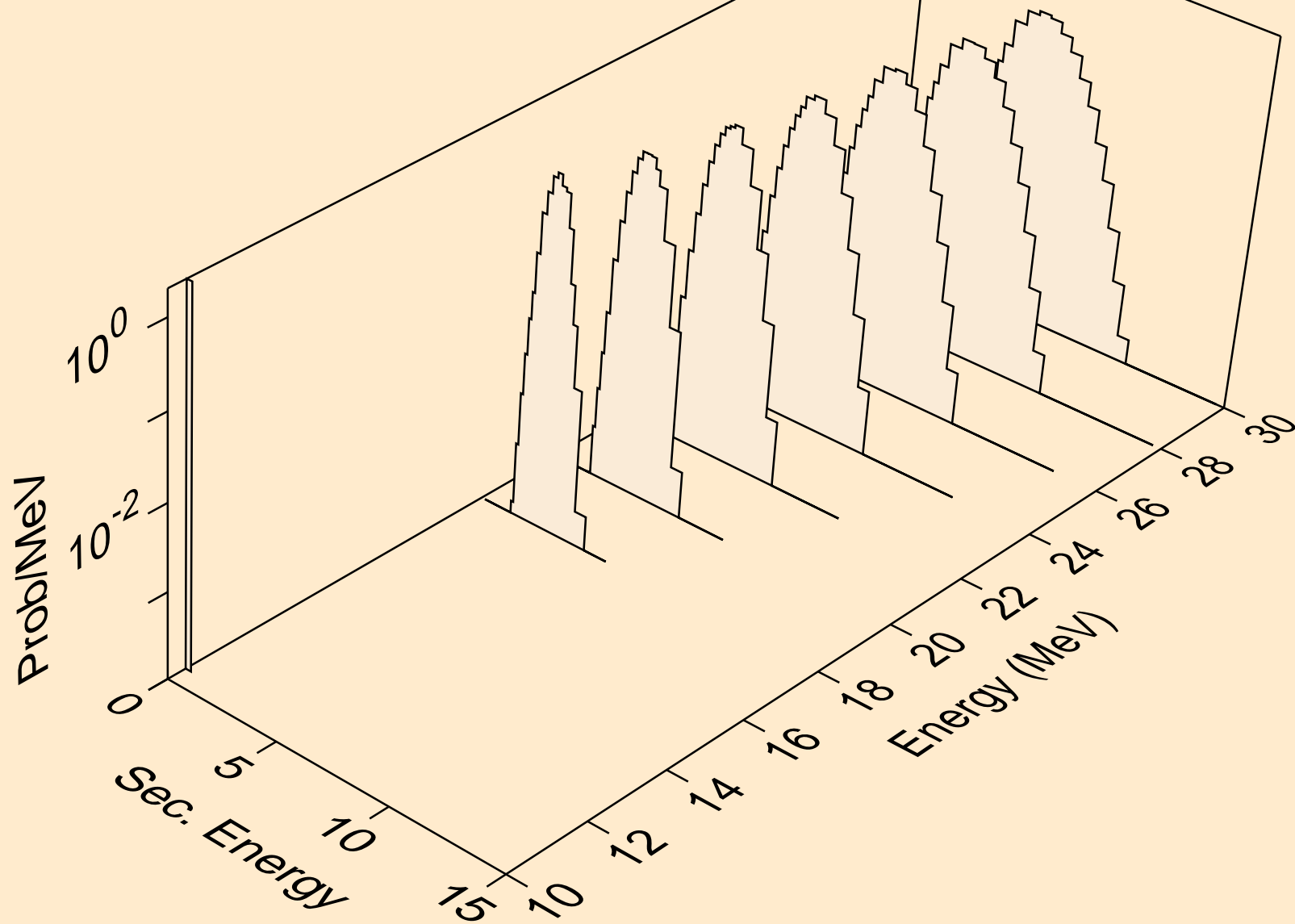
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protons from (s,pa)



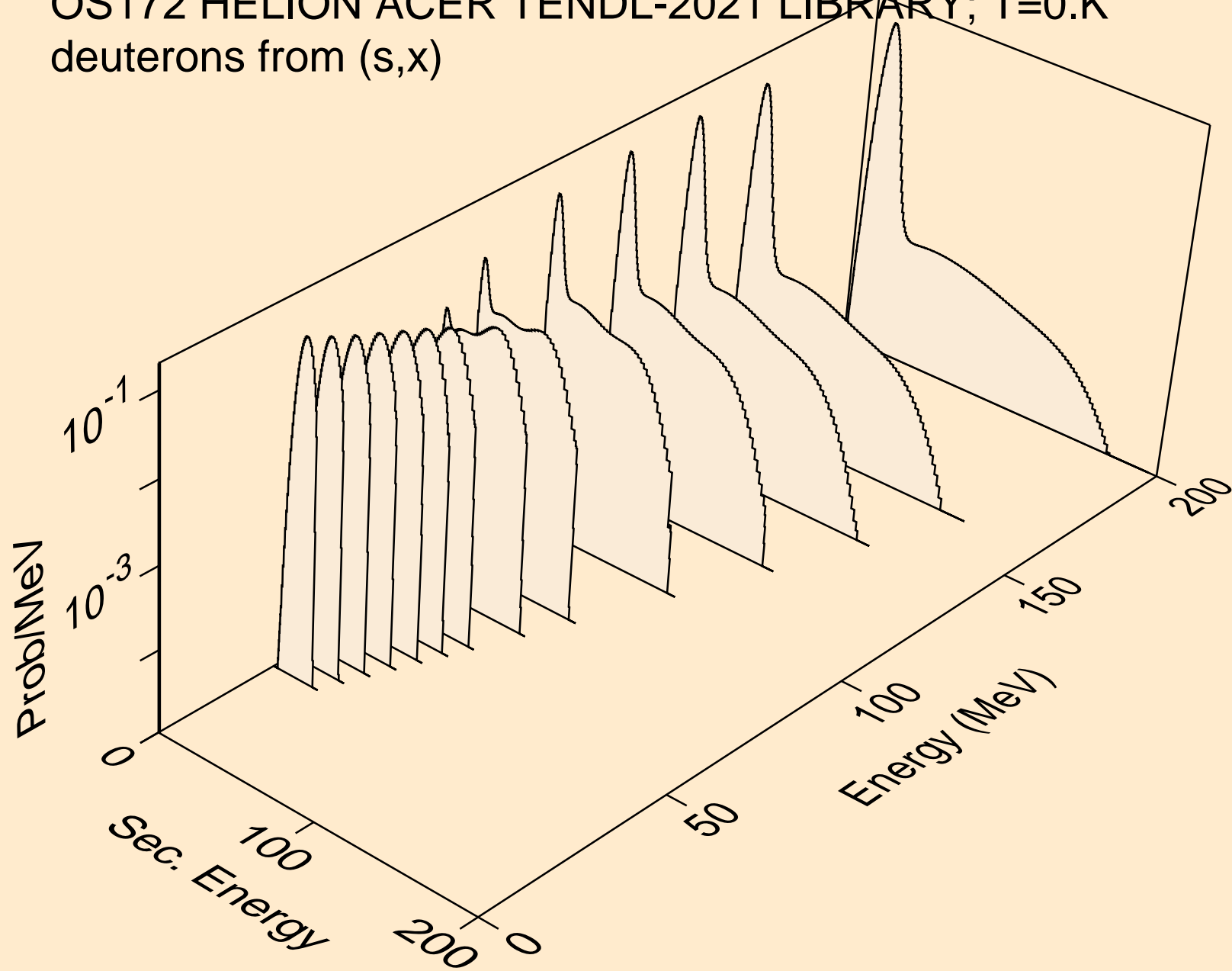
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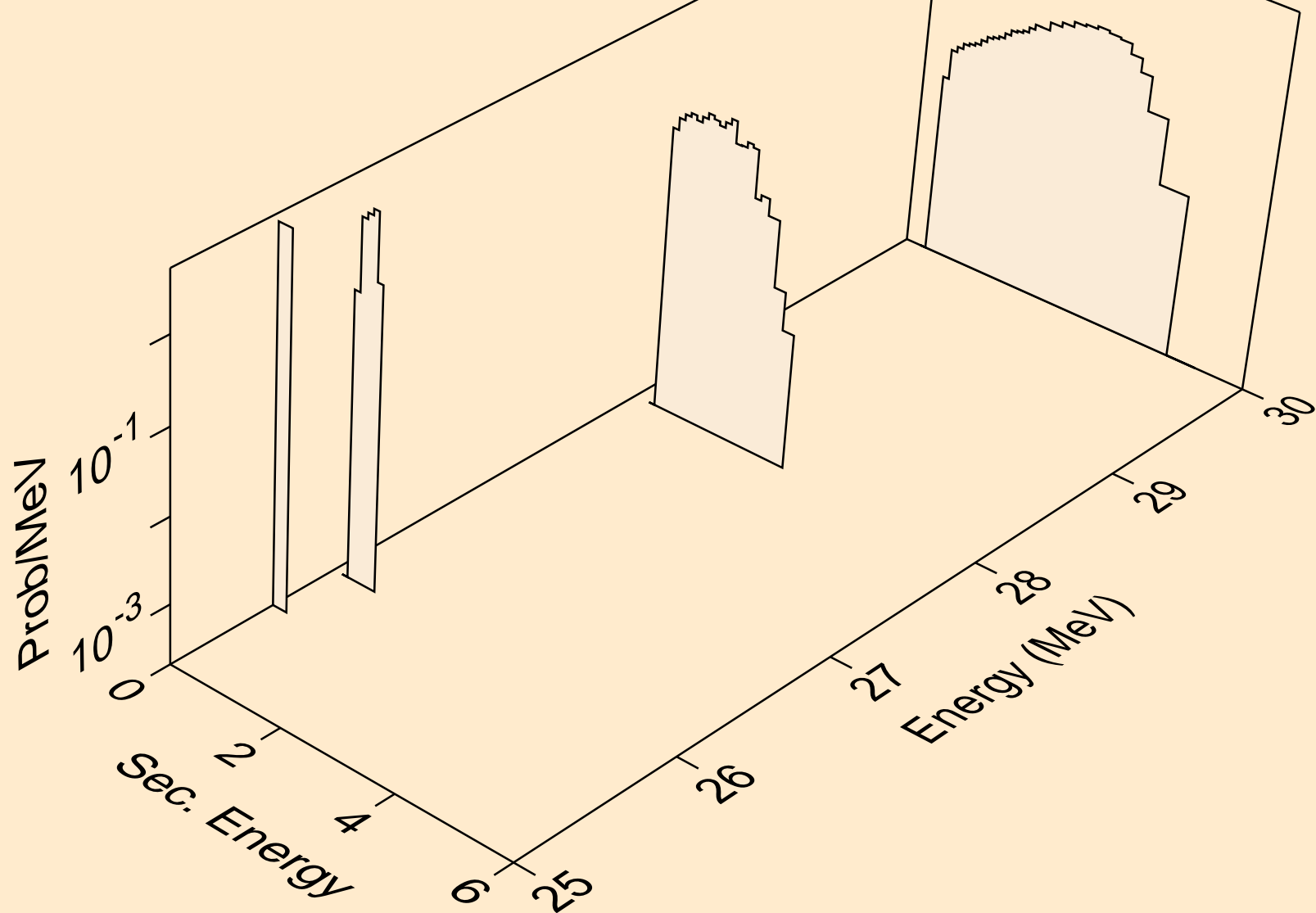
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protons from (s,pt)



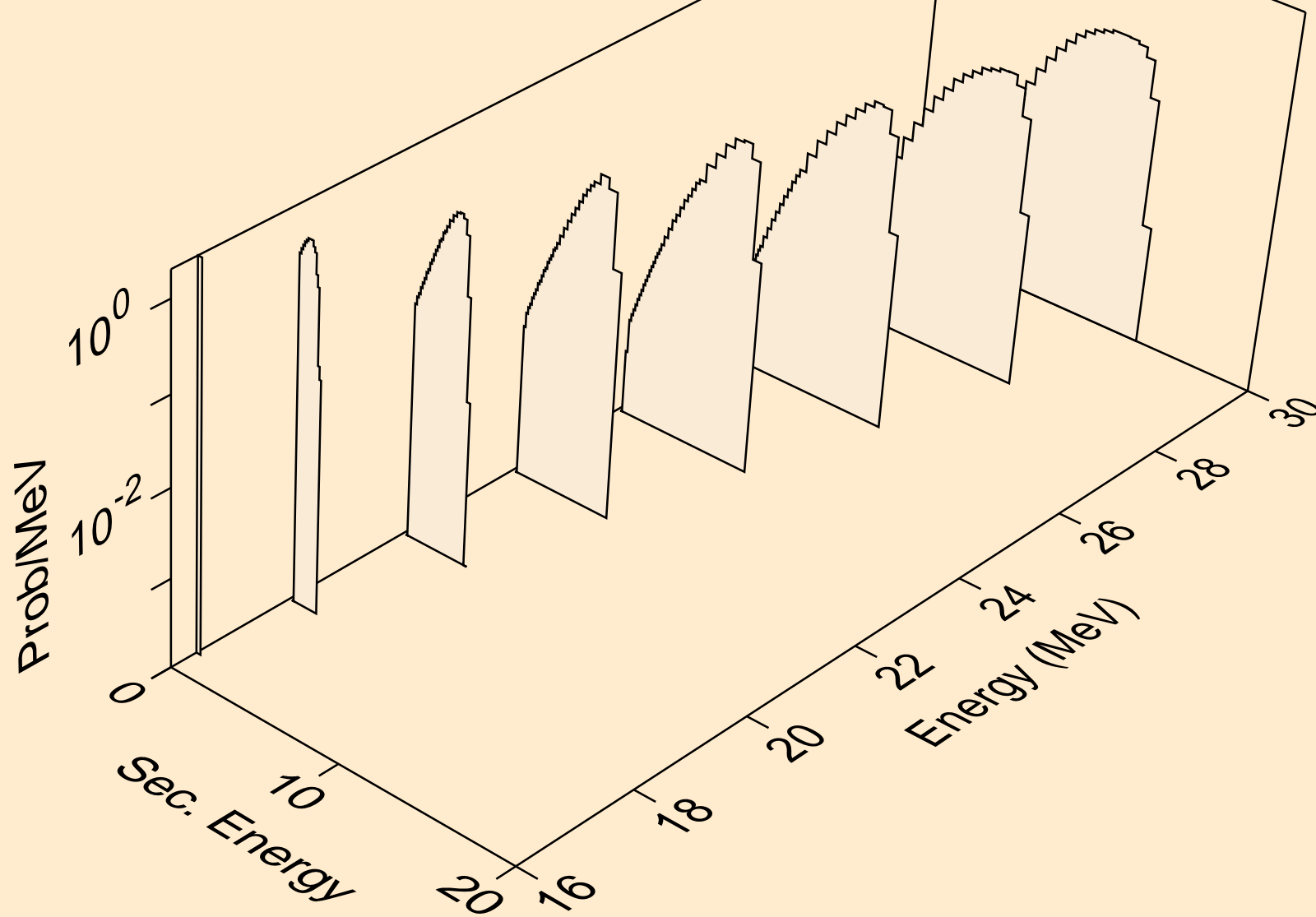
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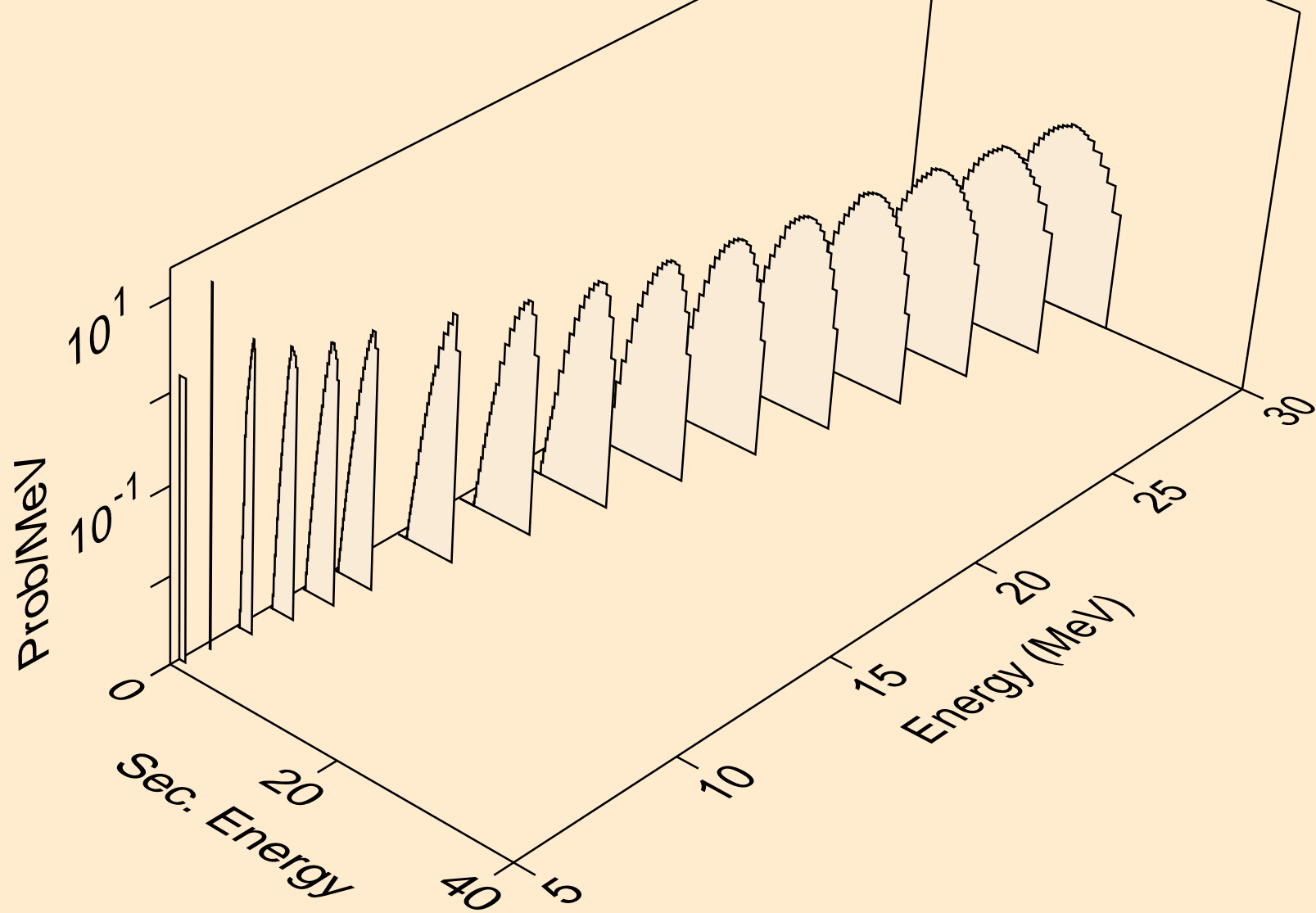
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,2nd)



OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,n\*)d

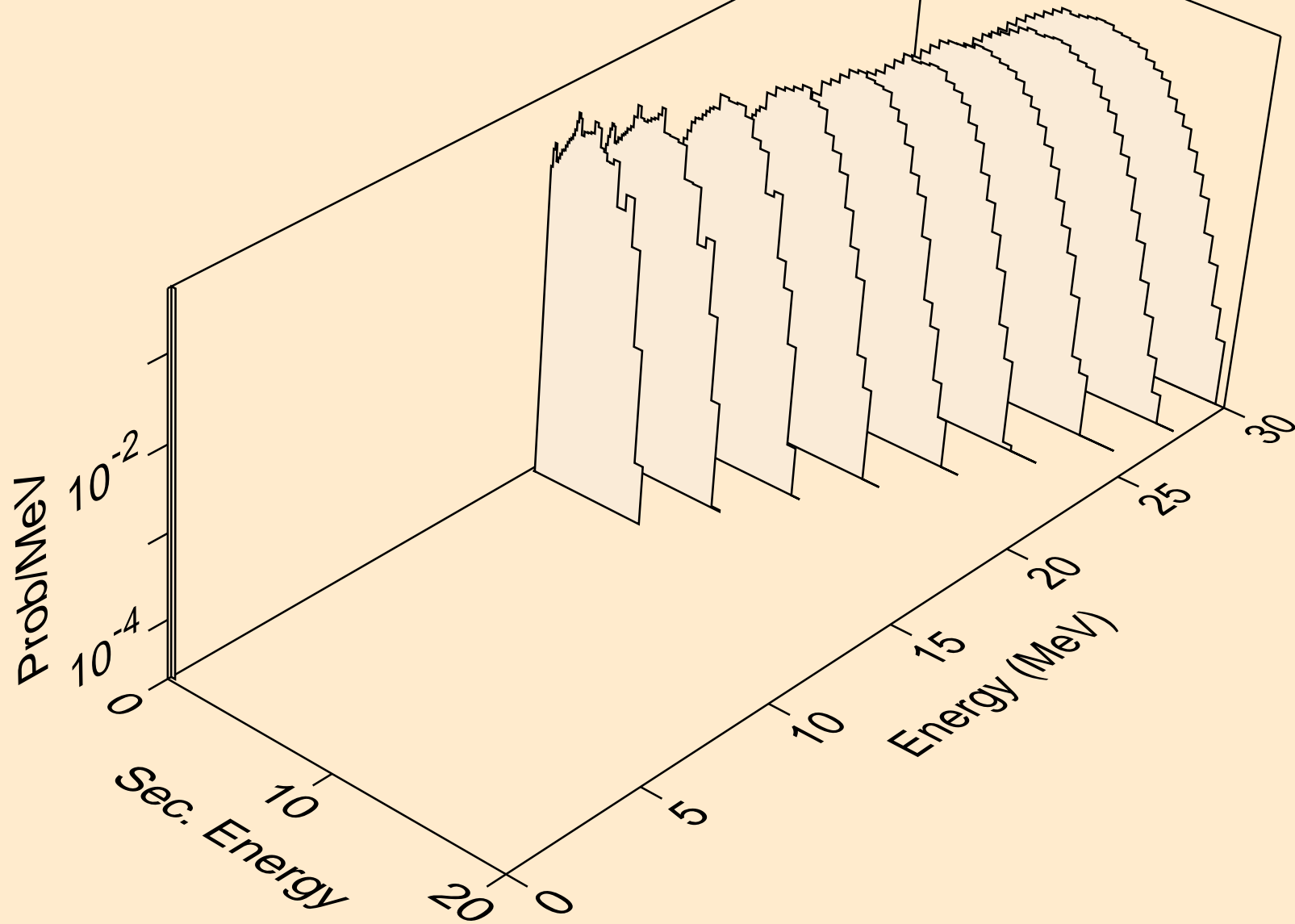


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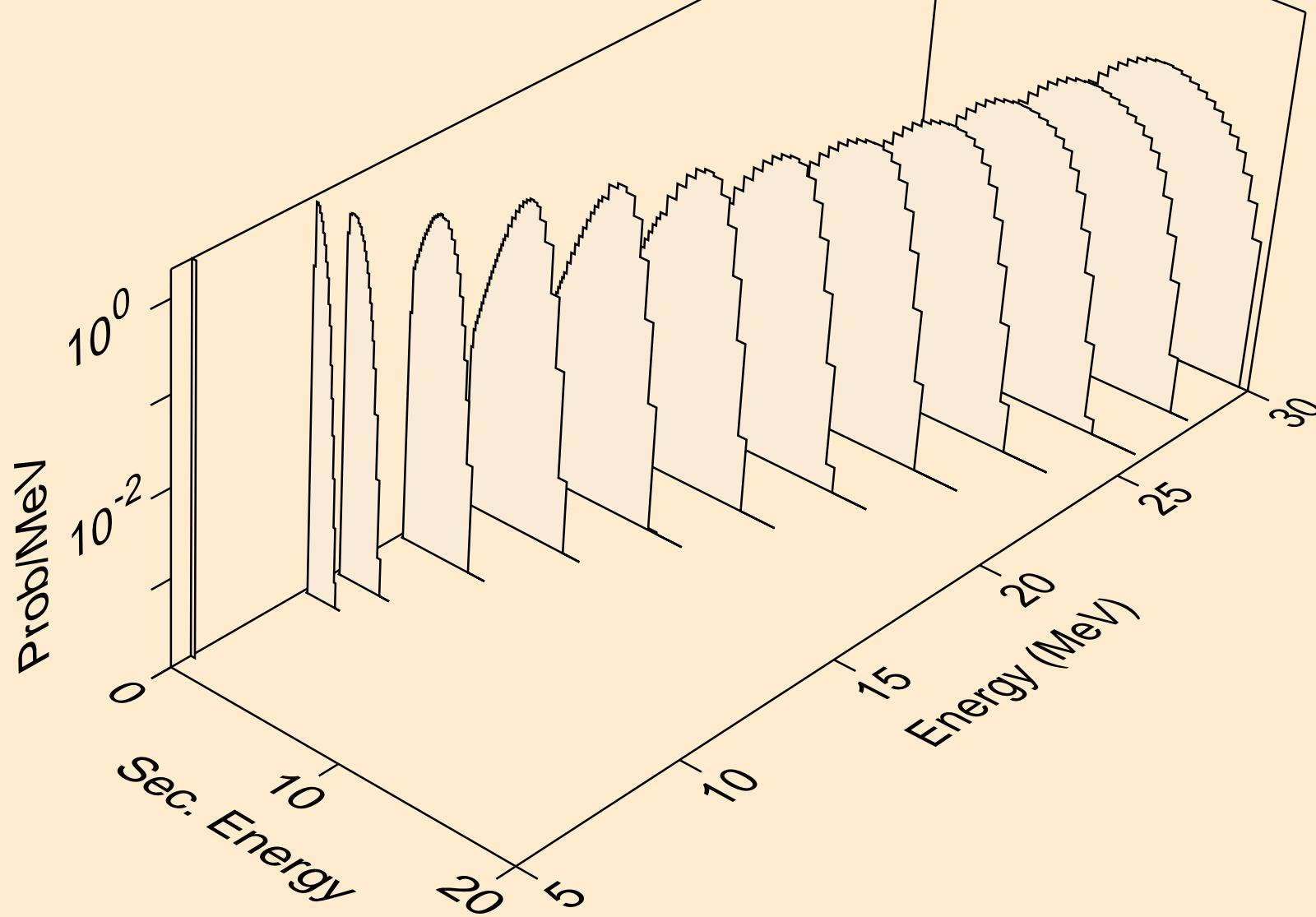




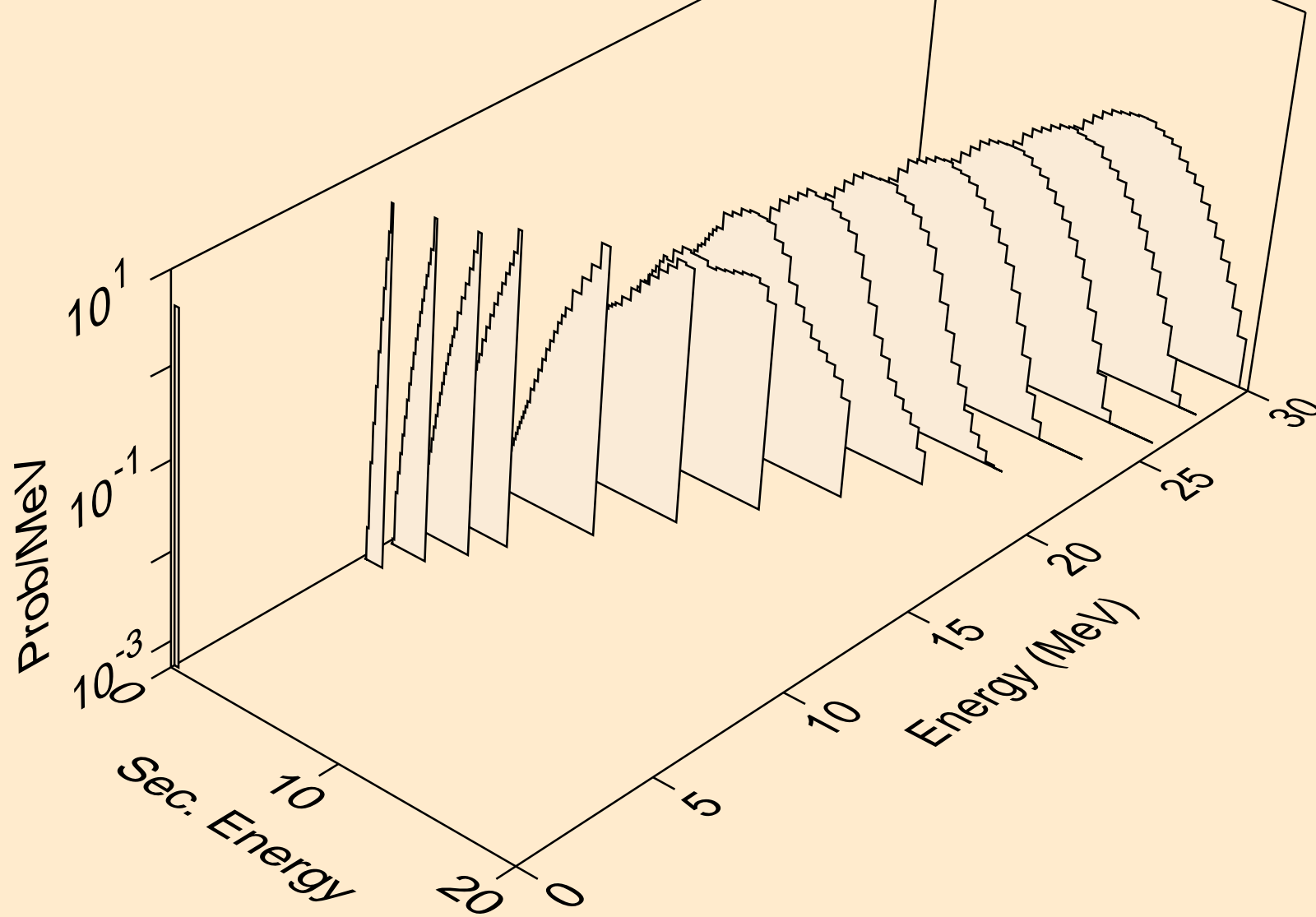
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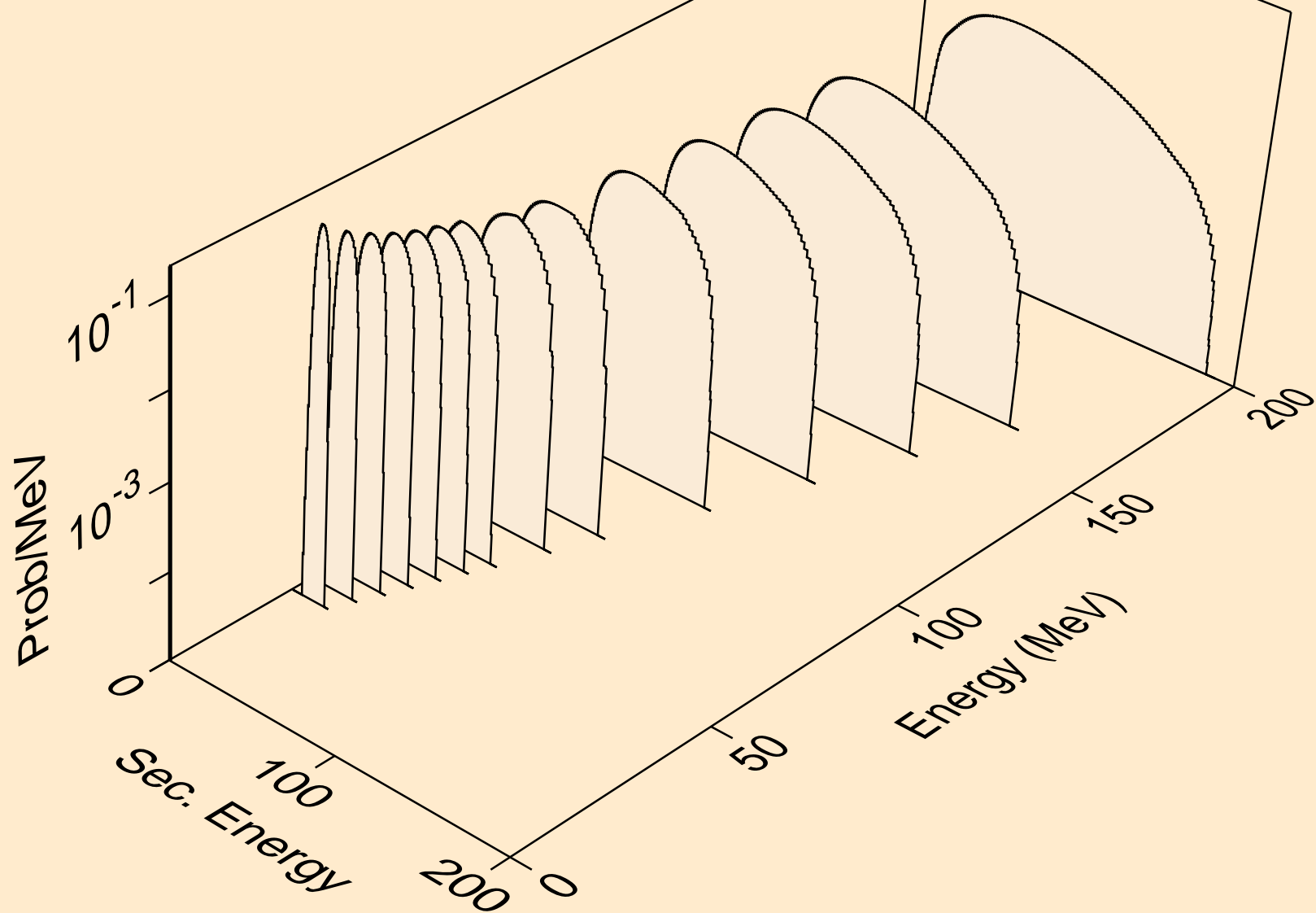
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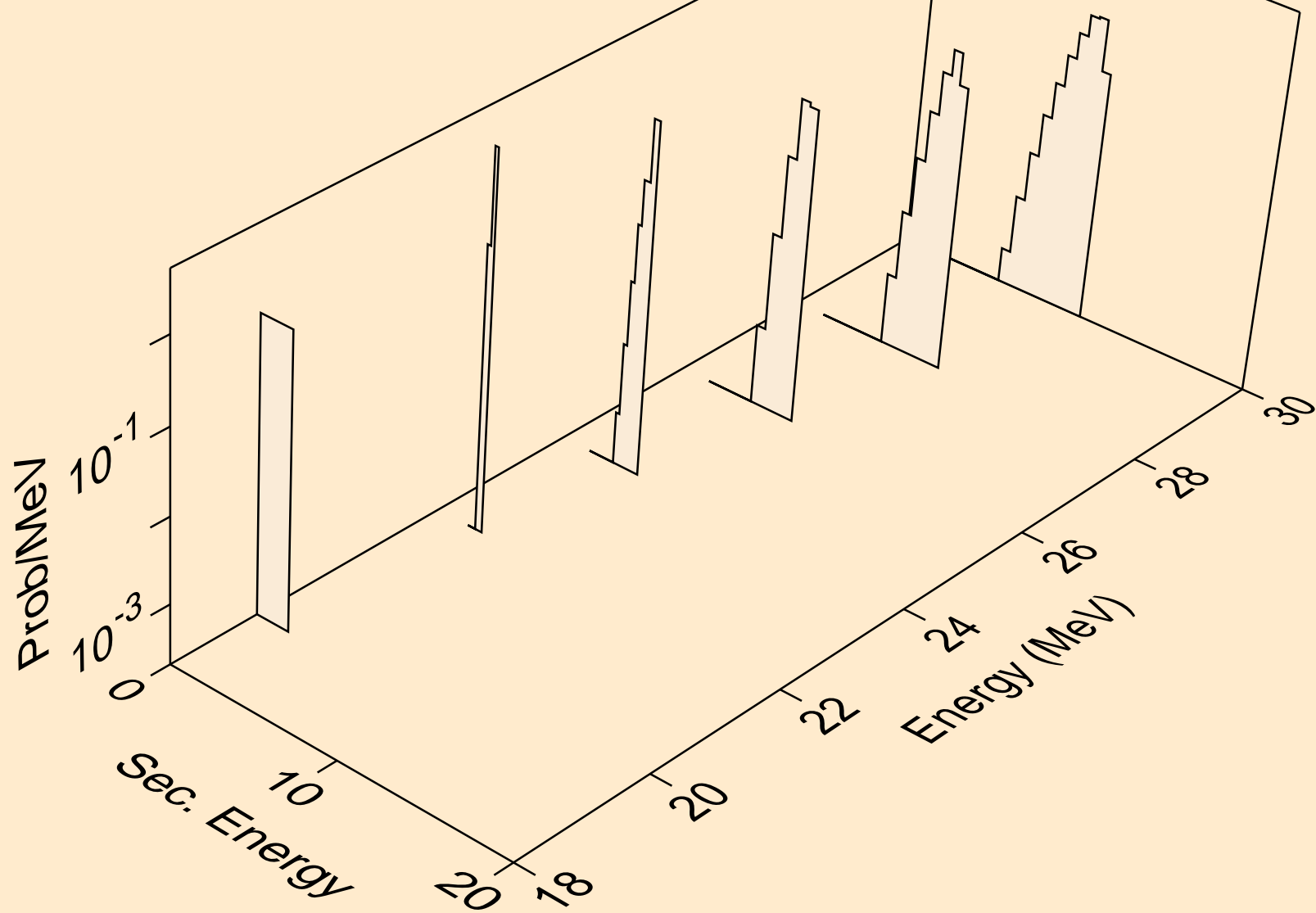
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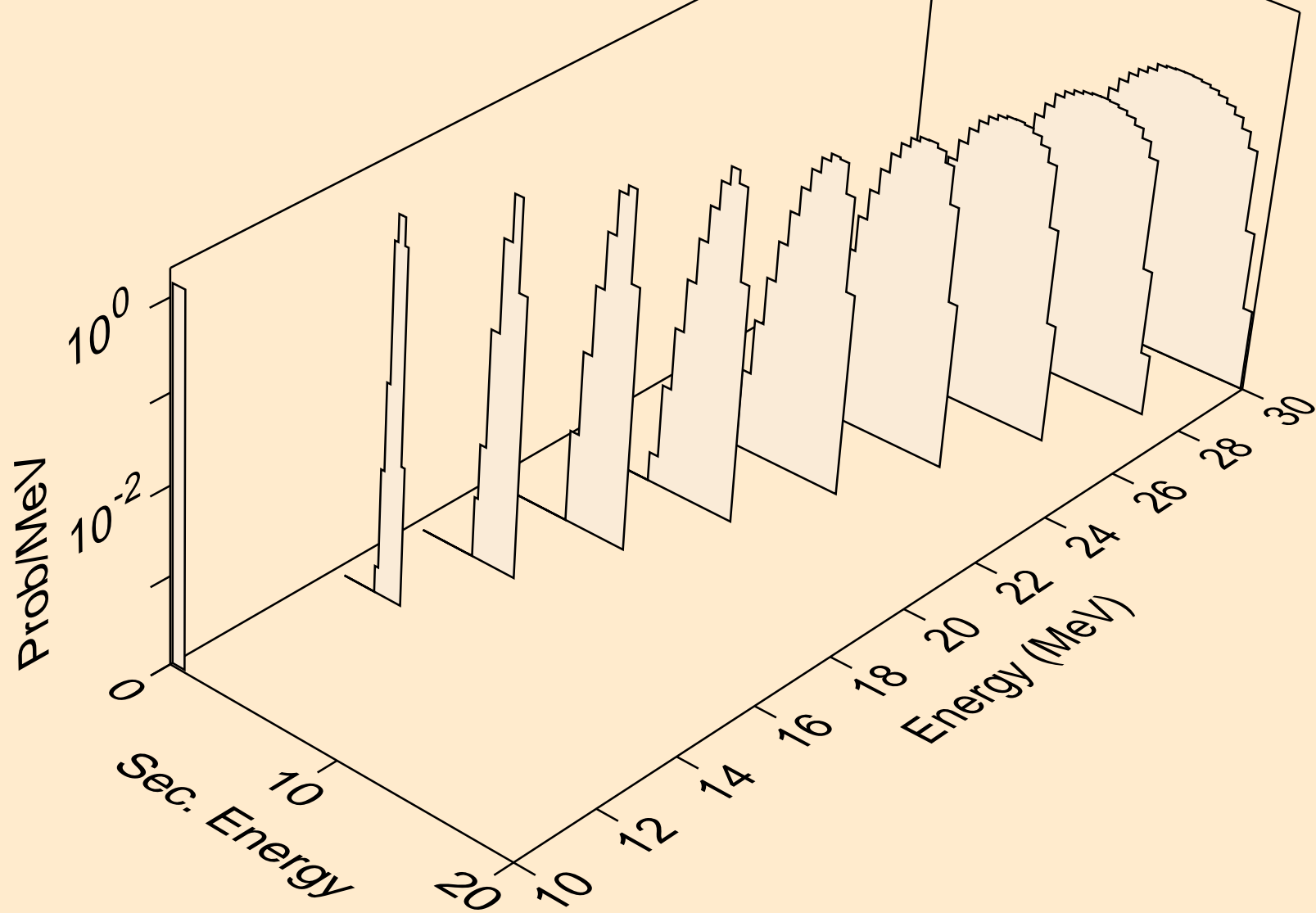
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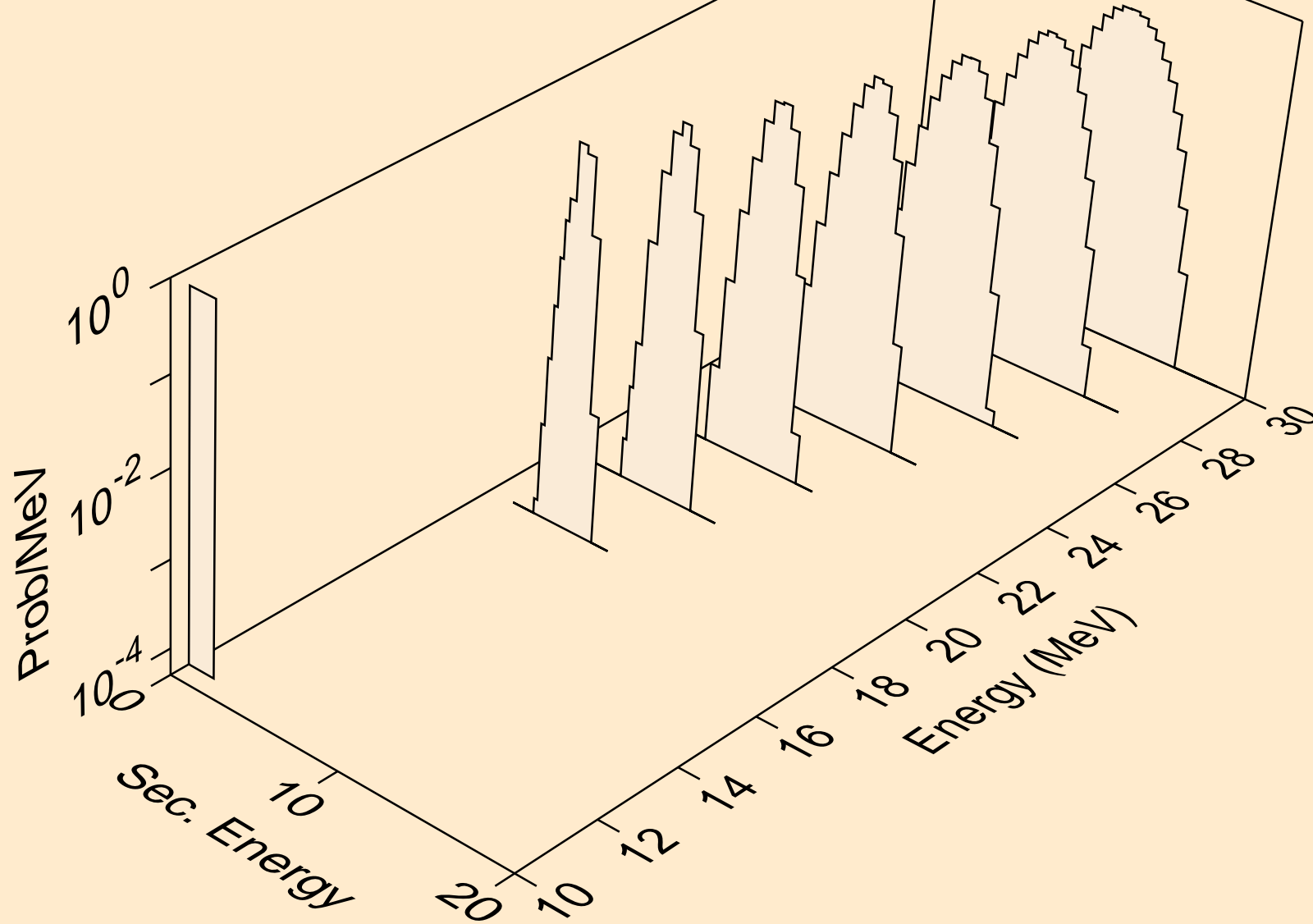
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,n\*)t



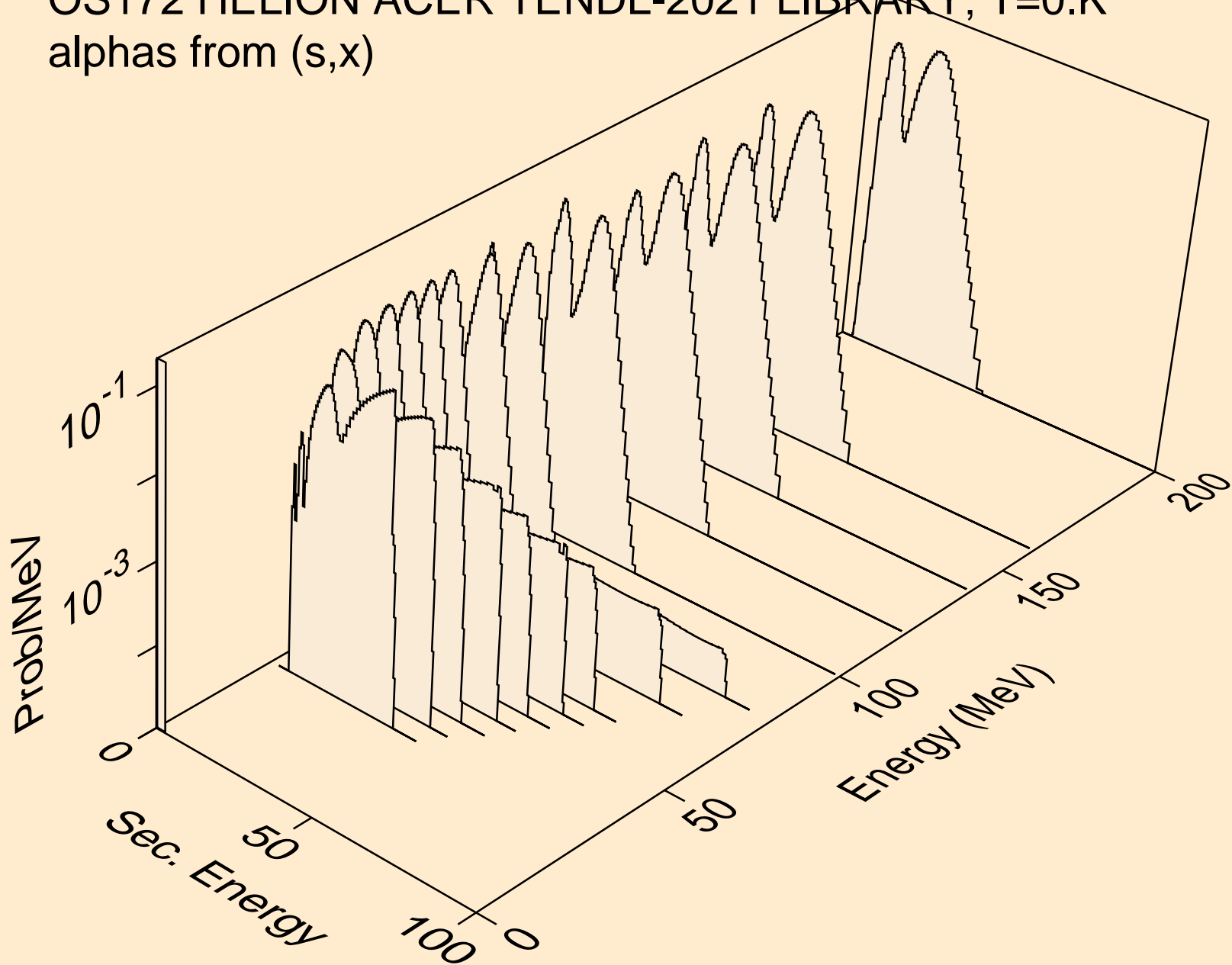
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,t)



OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,pt)

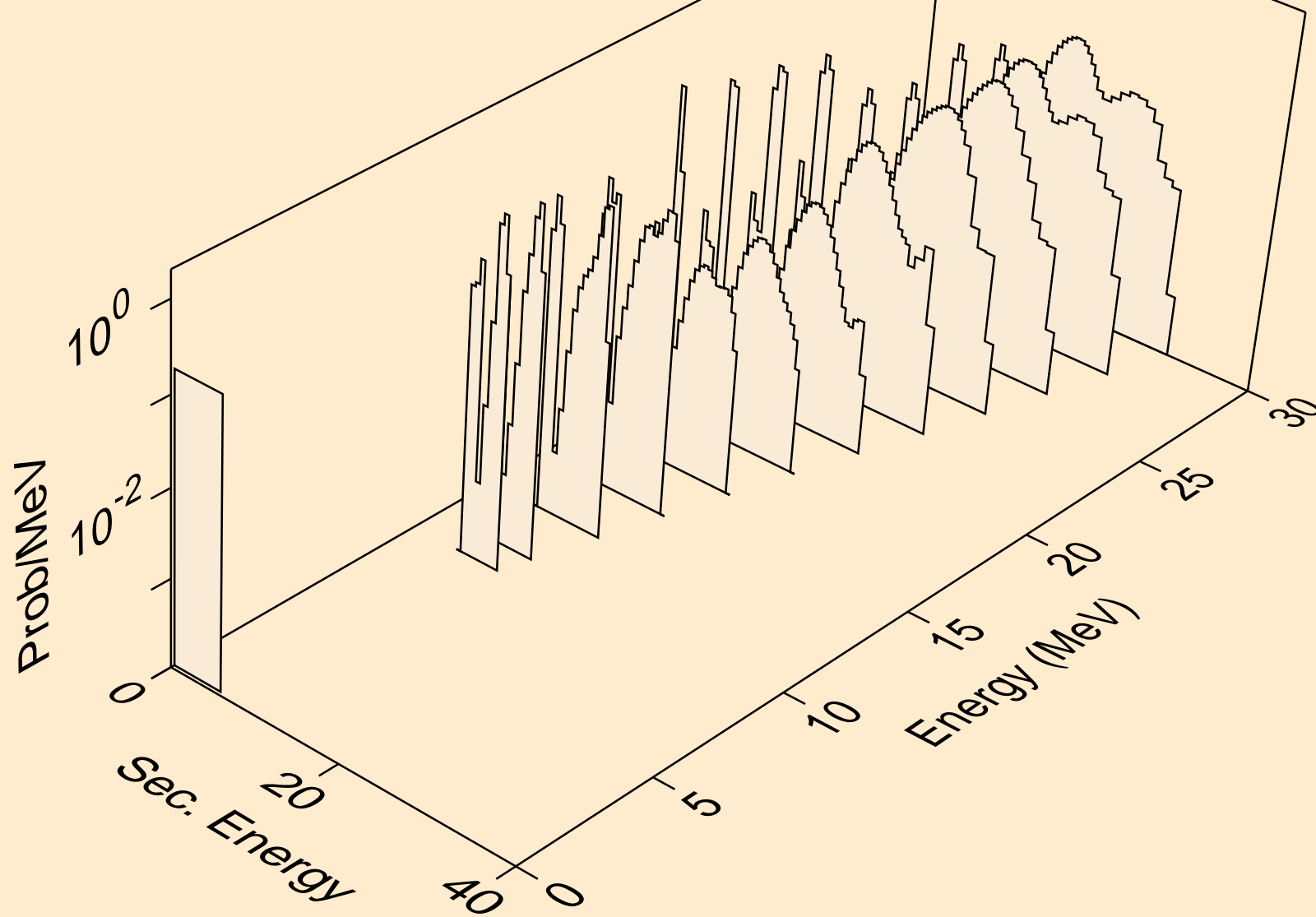


OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,x)

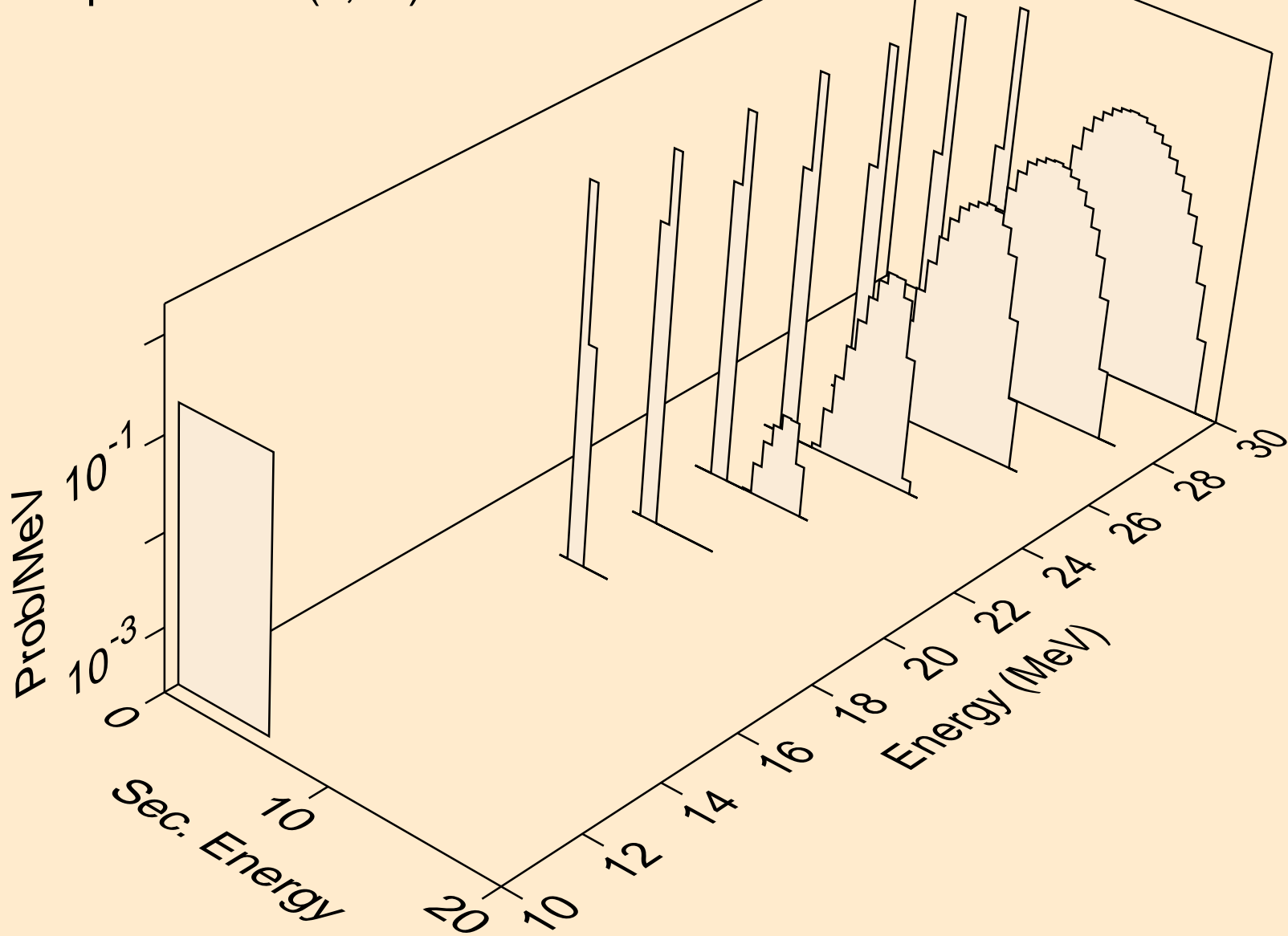




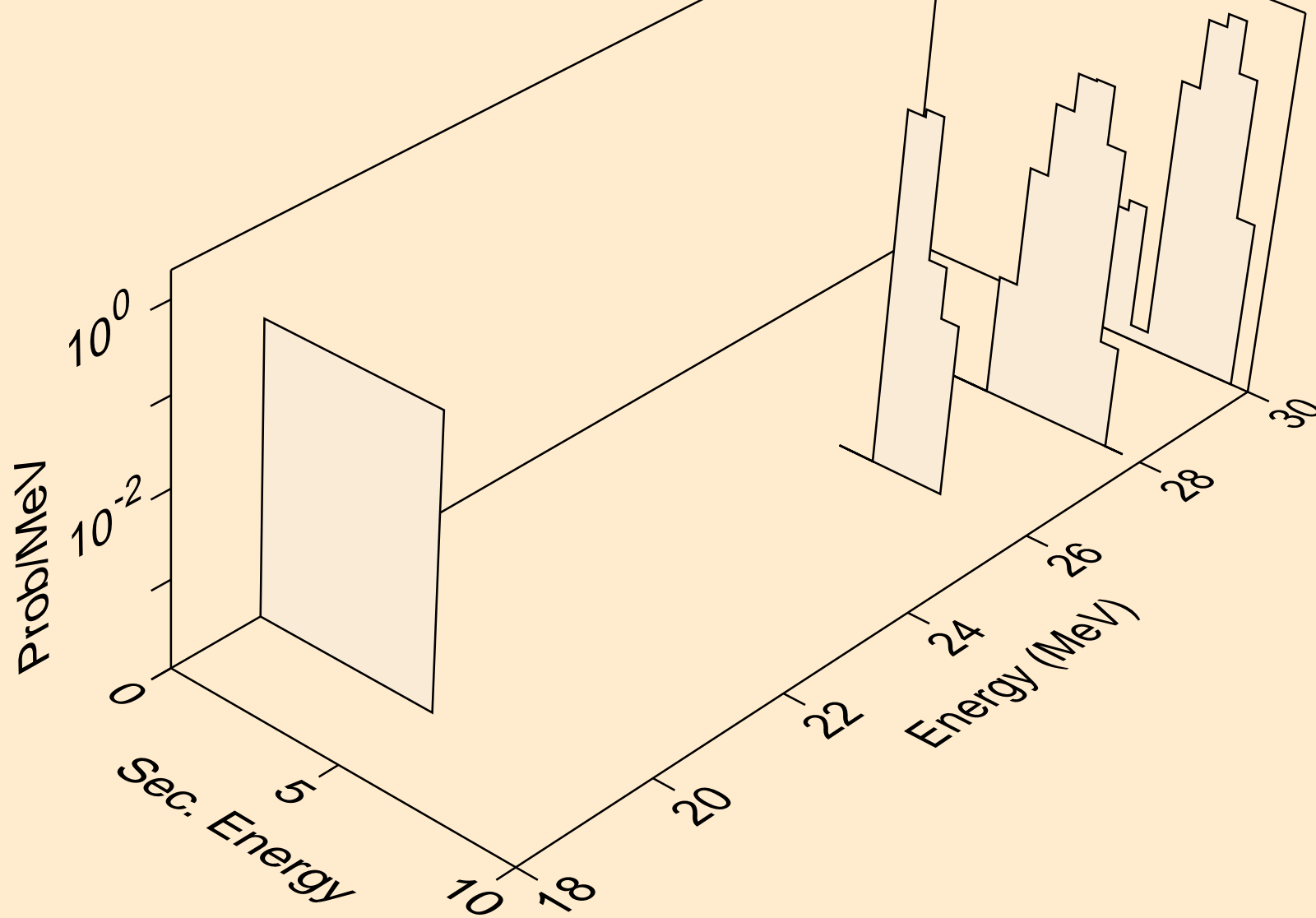
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,n\*)a



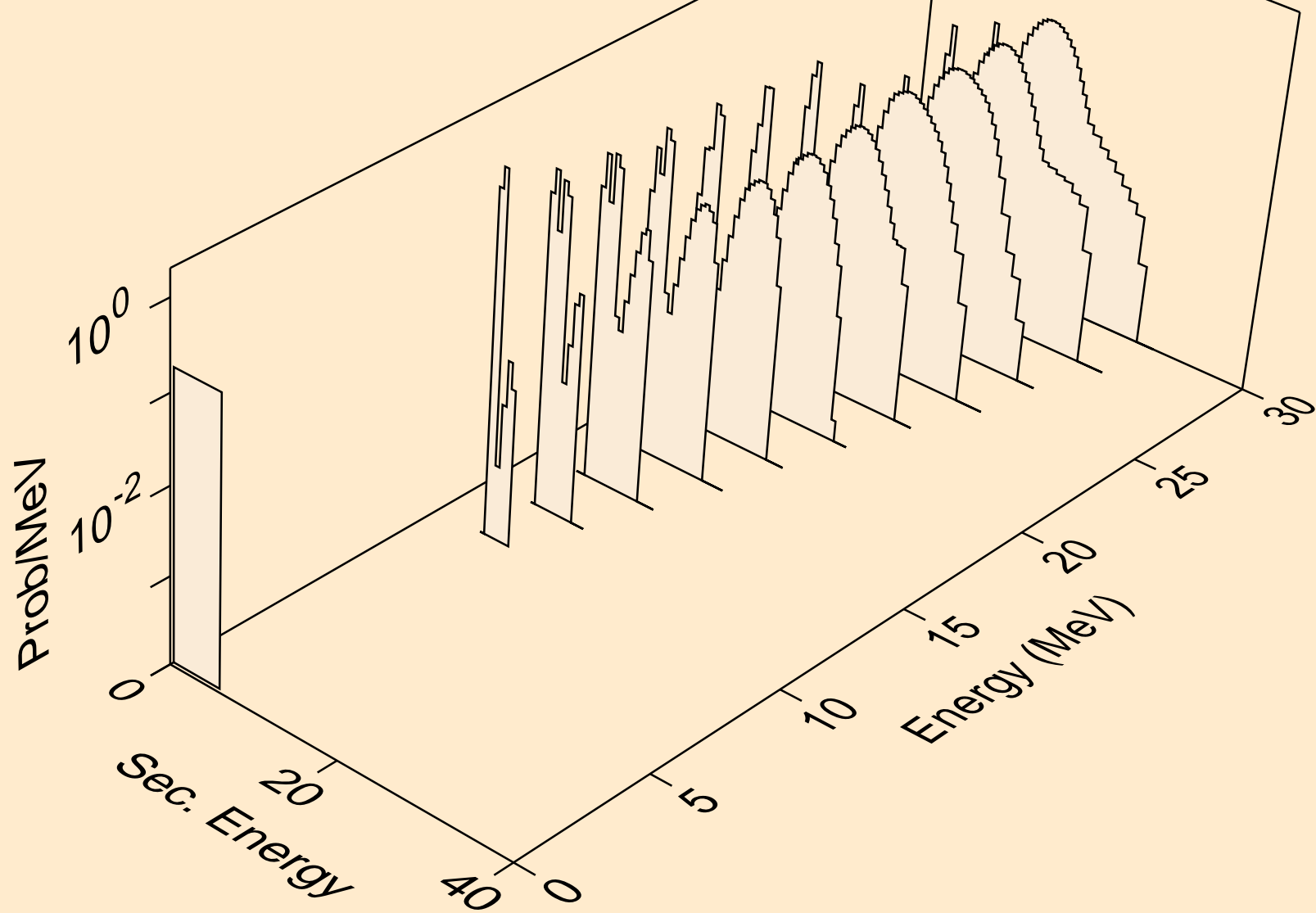
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,2n)a



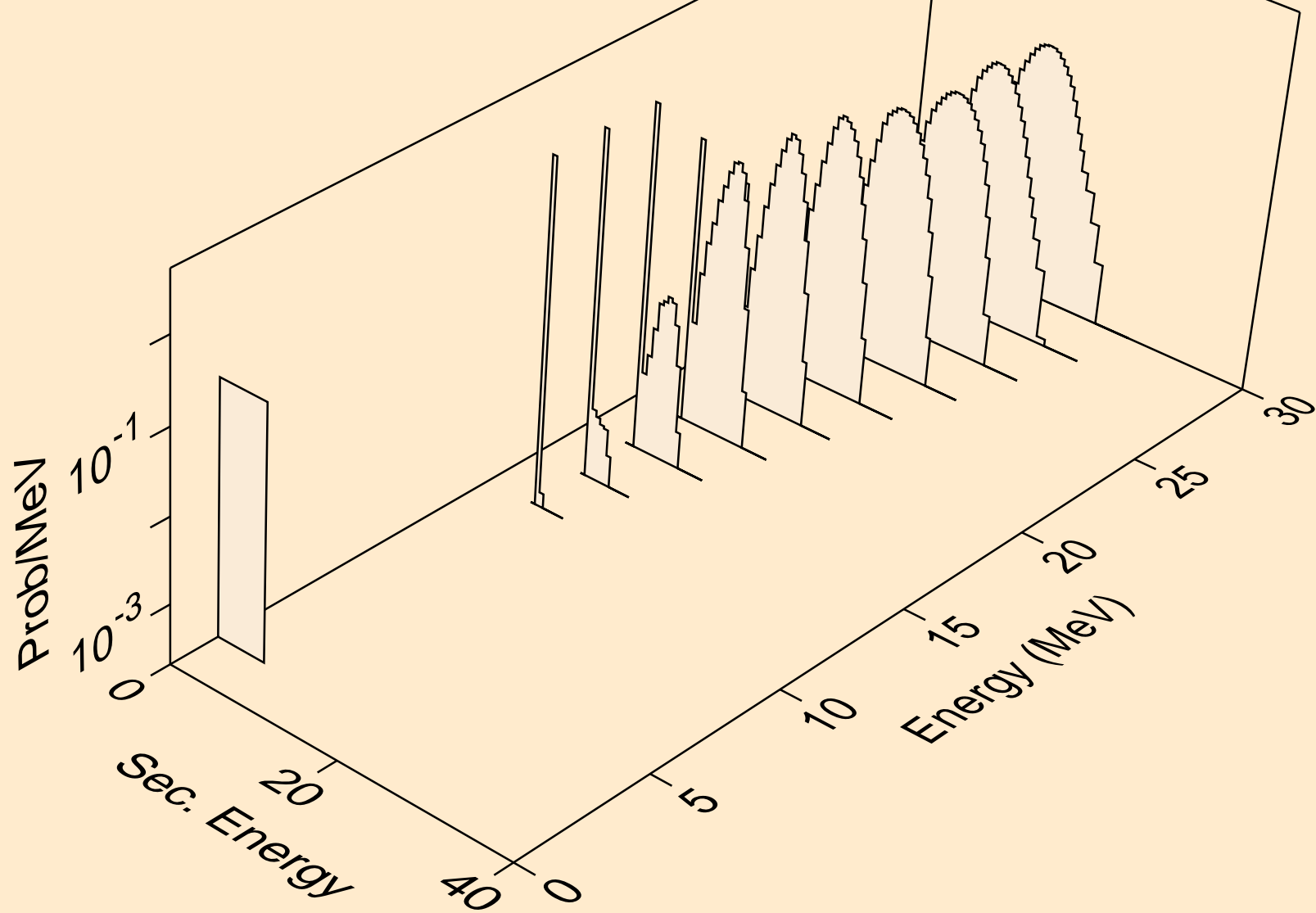
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alphas from (s,3n)a



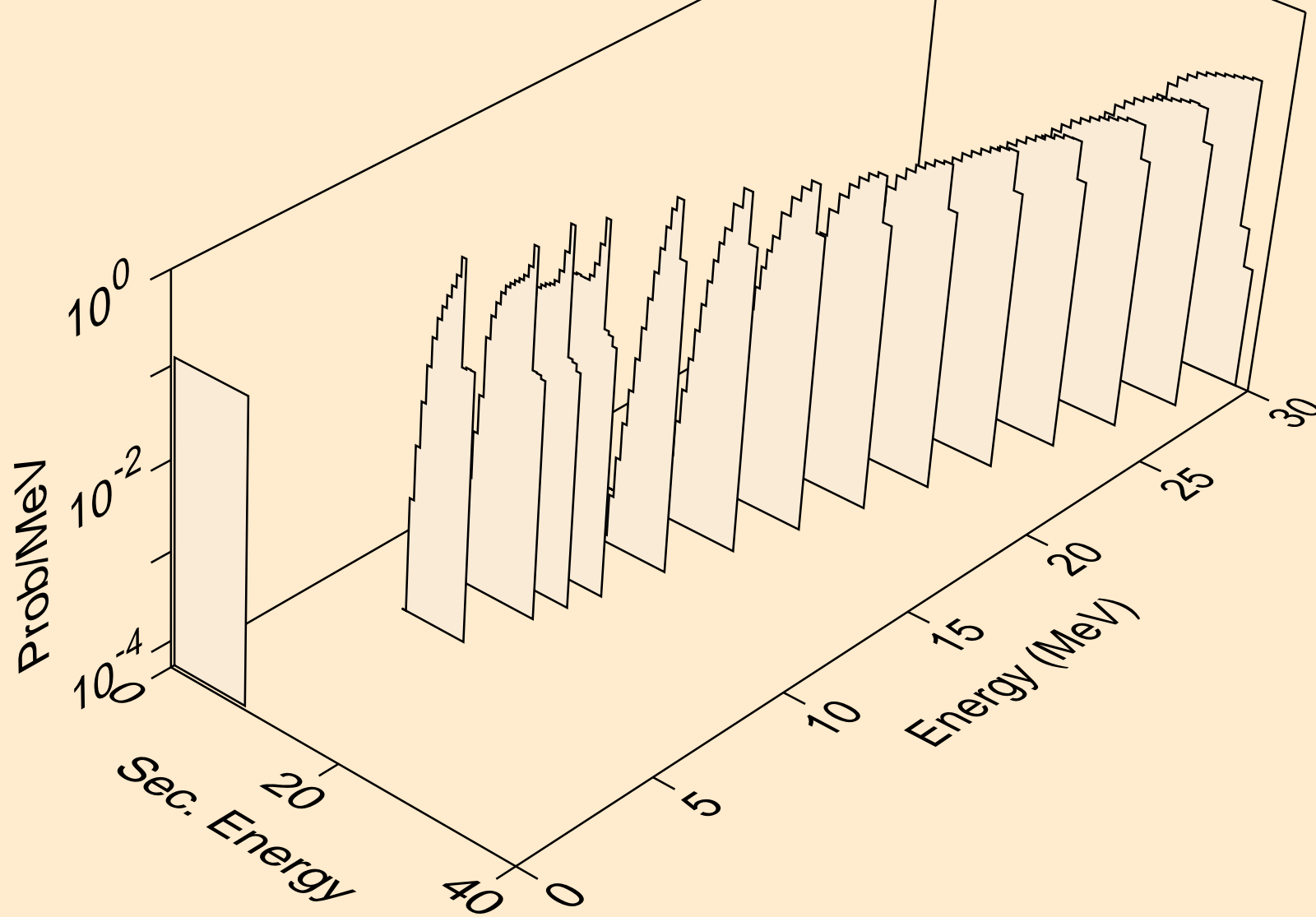
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,n\*)2a



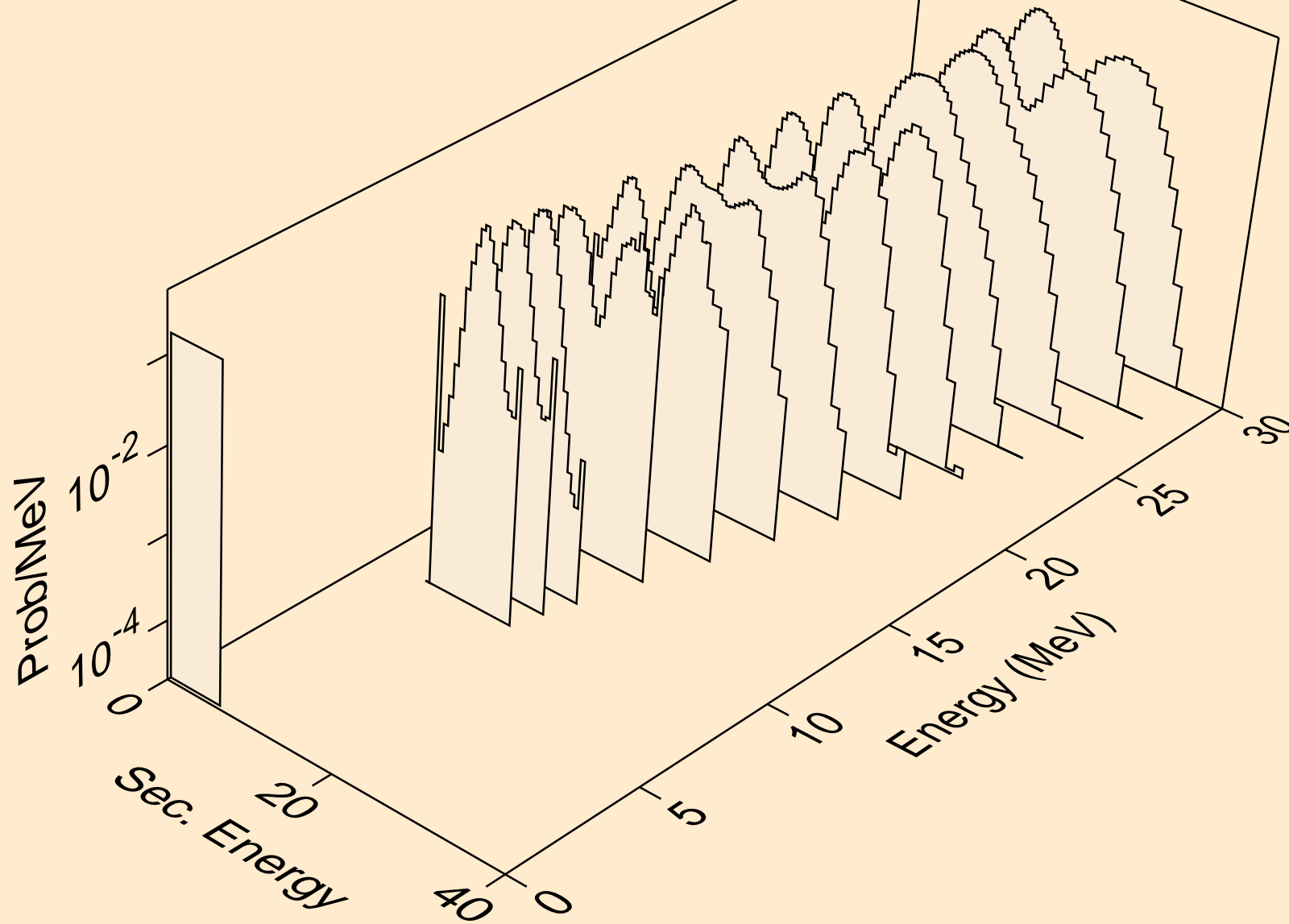
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alphas from (s,npa)



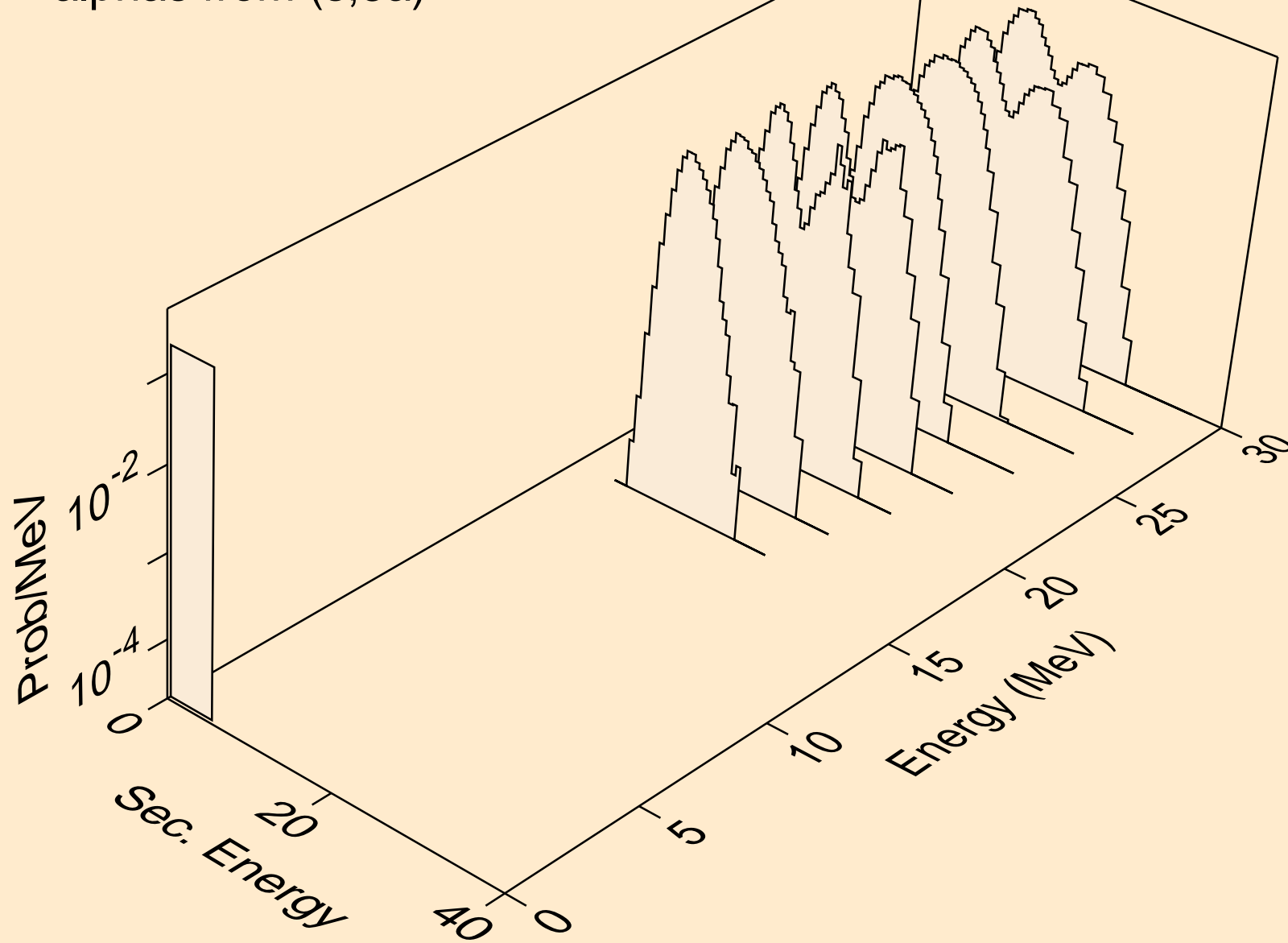
OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,a)



OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,2a)

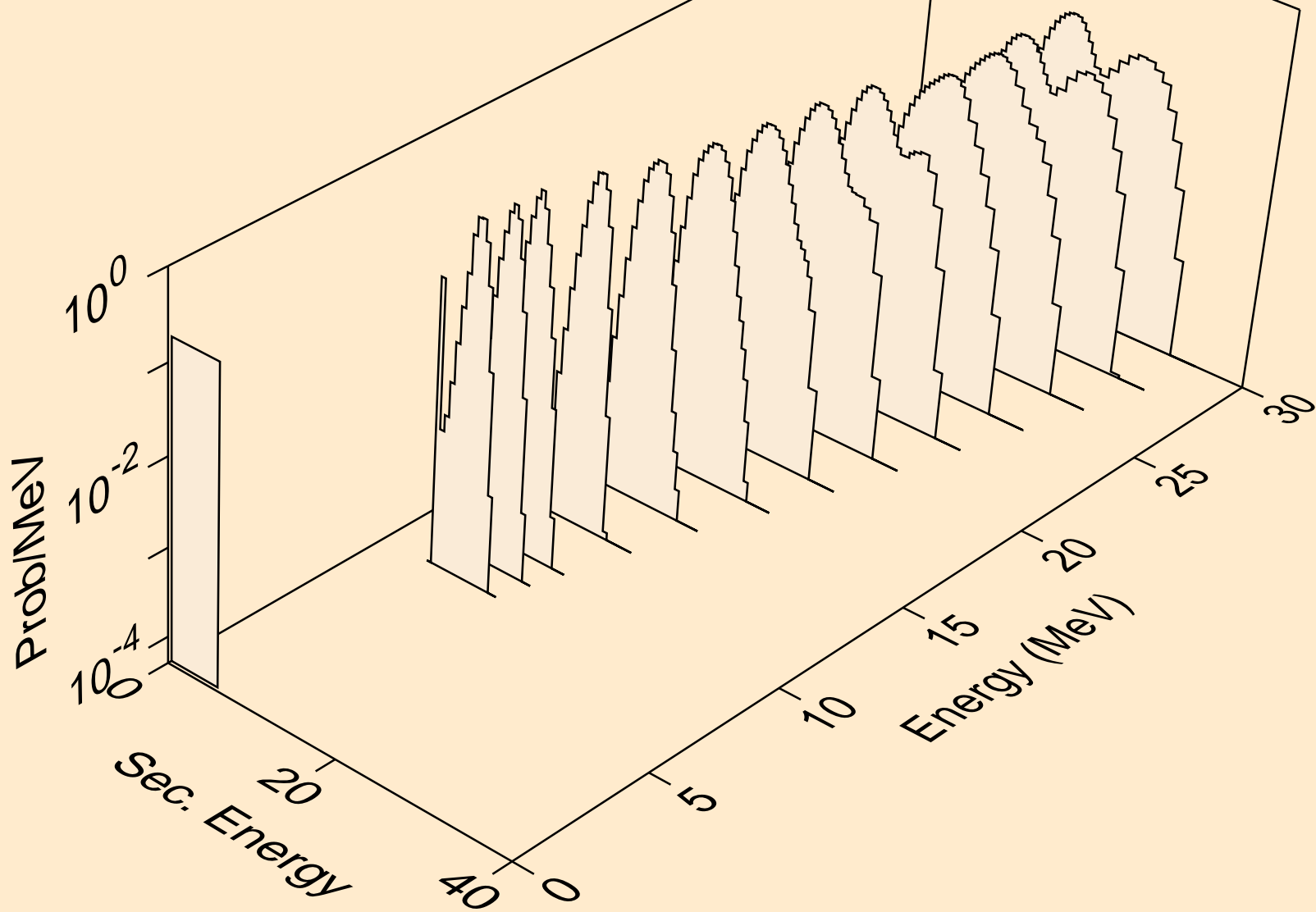


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alphas from (s,3a)

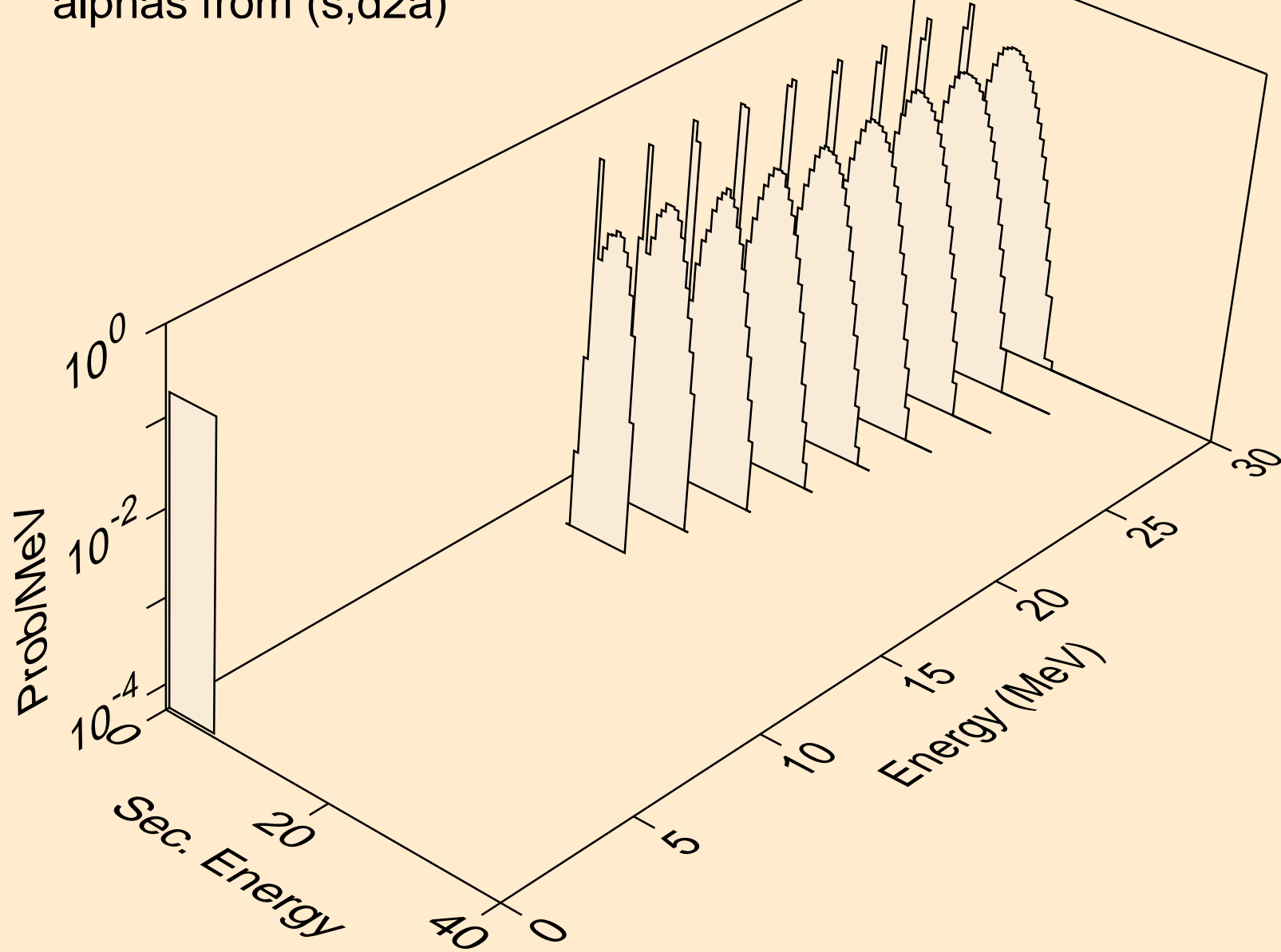




OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,pa)



OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,d2a)



OS172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,da)

