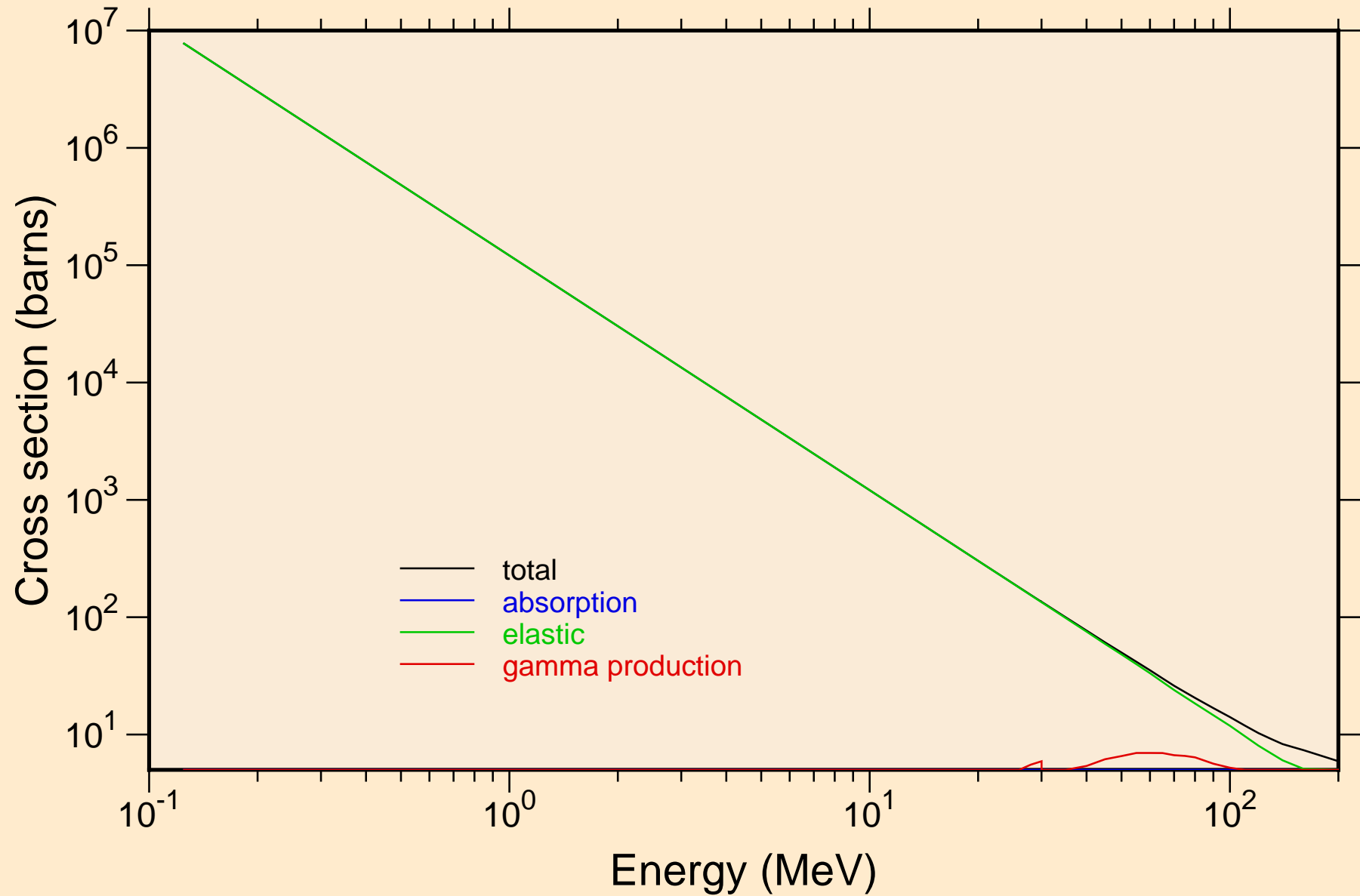


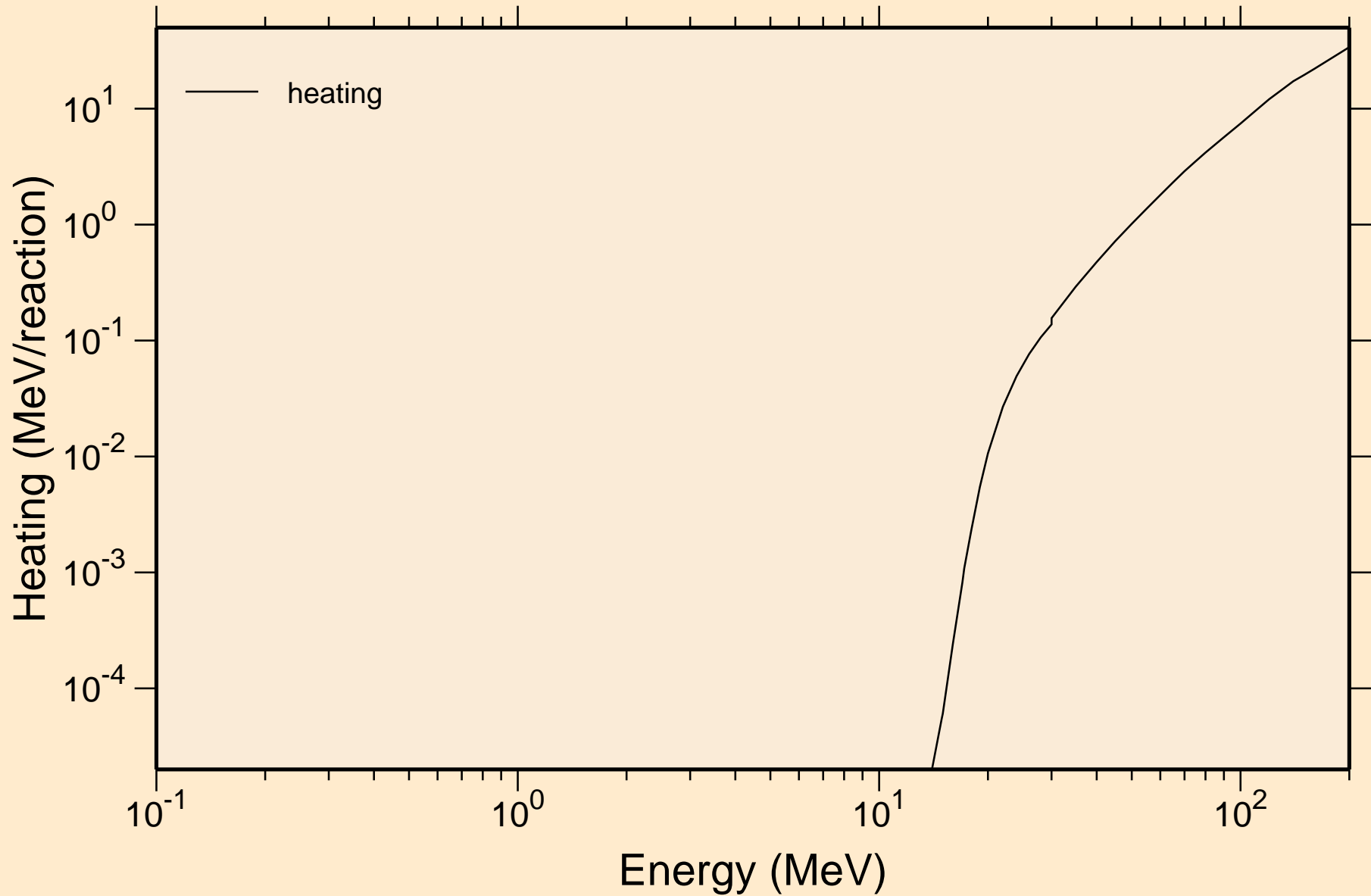
# TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



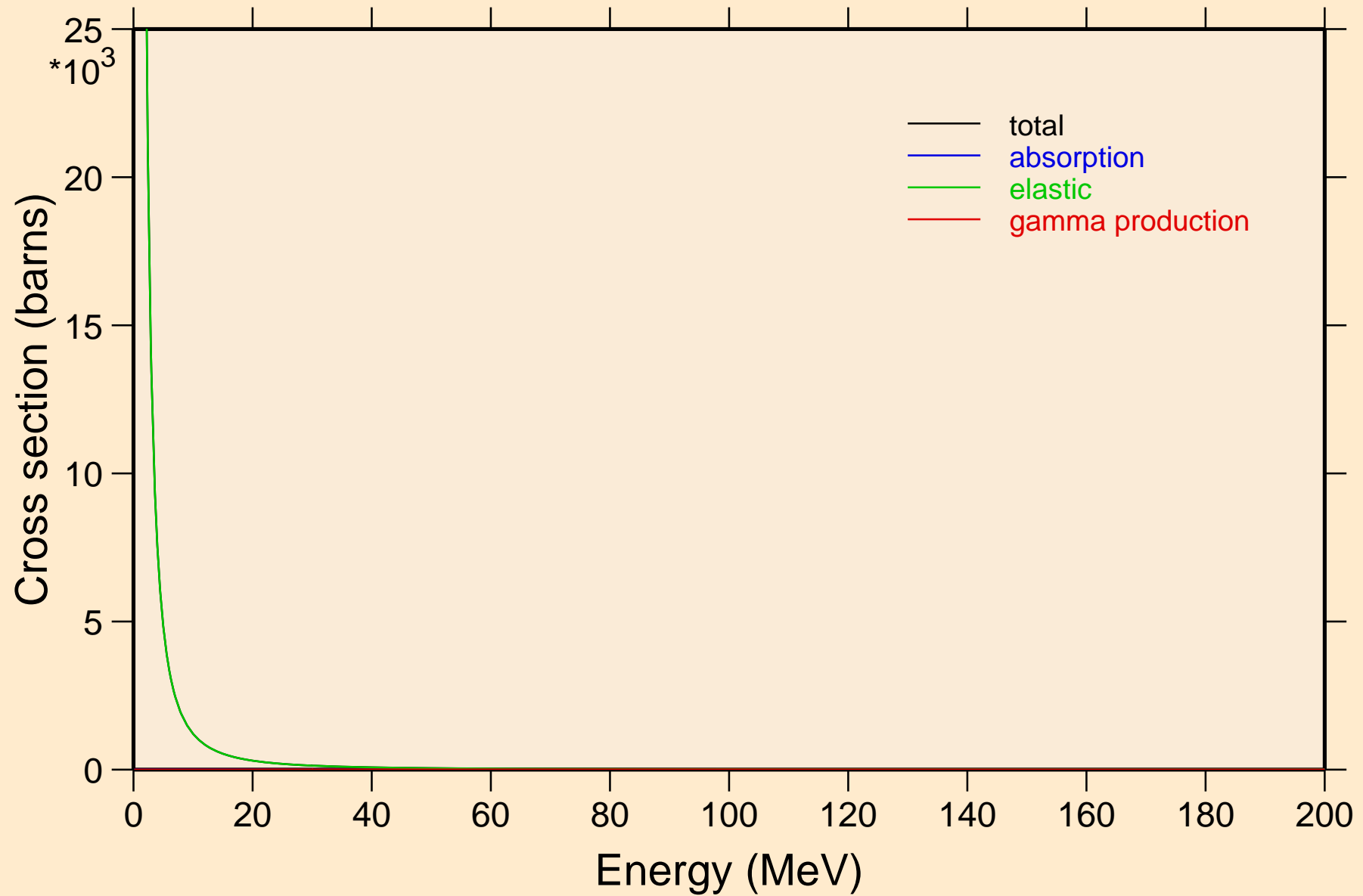
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K

Heating



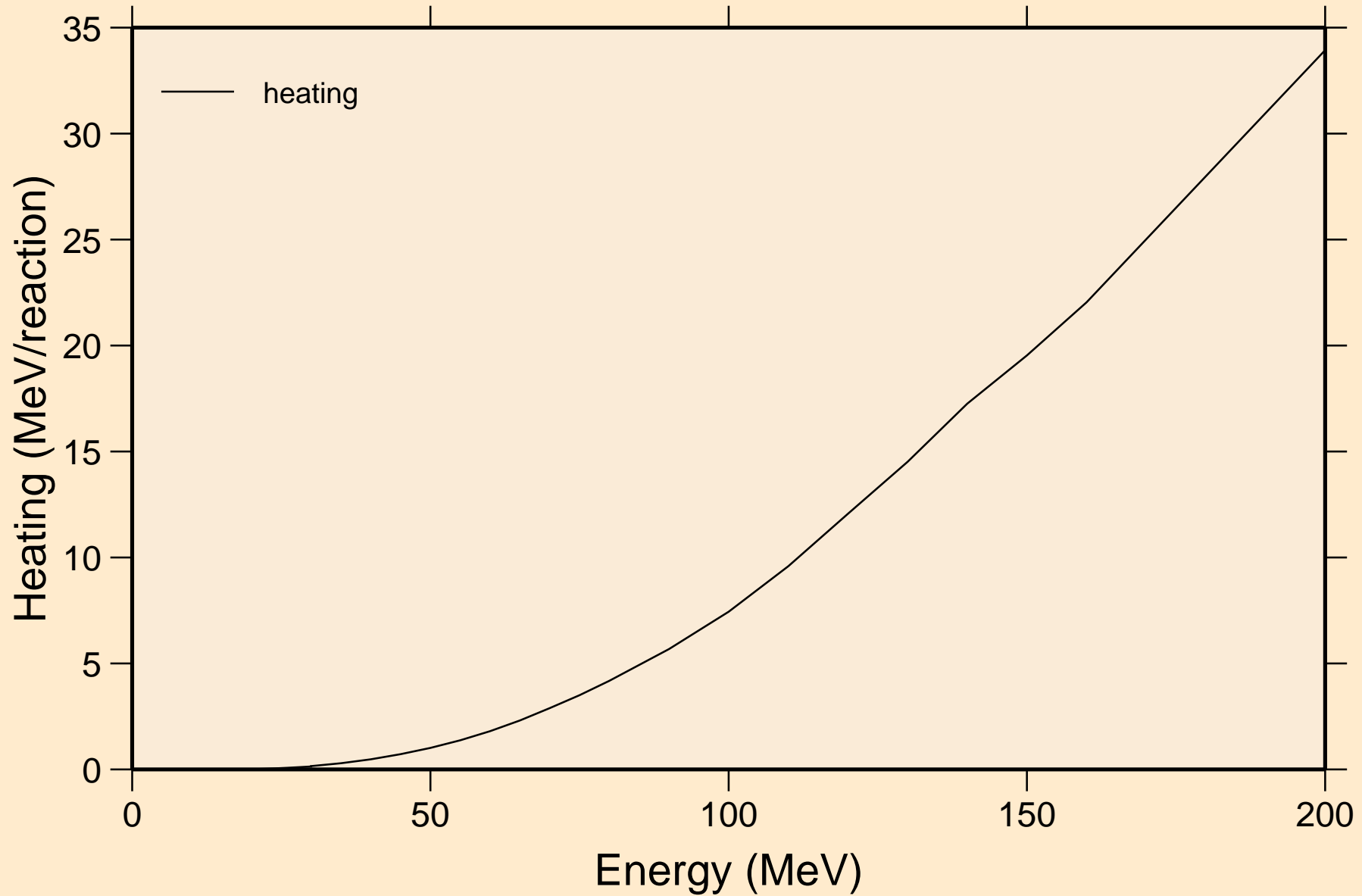
# TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections

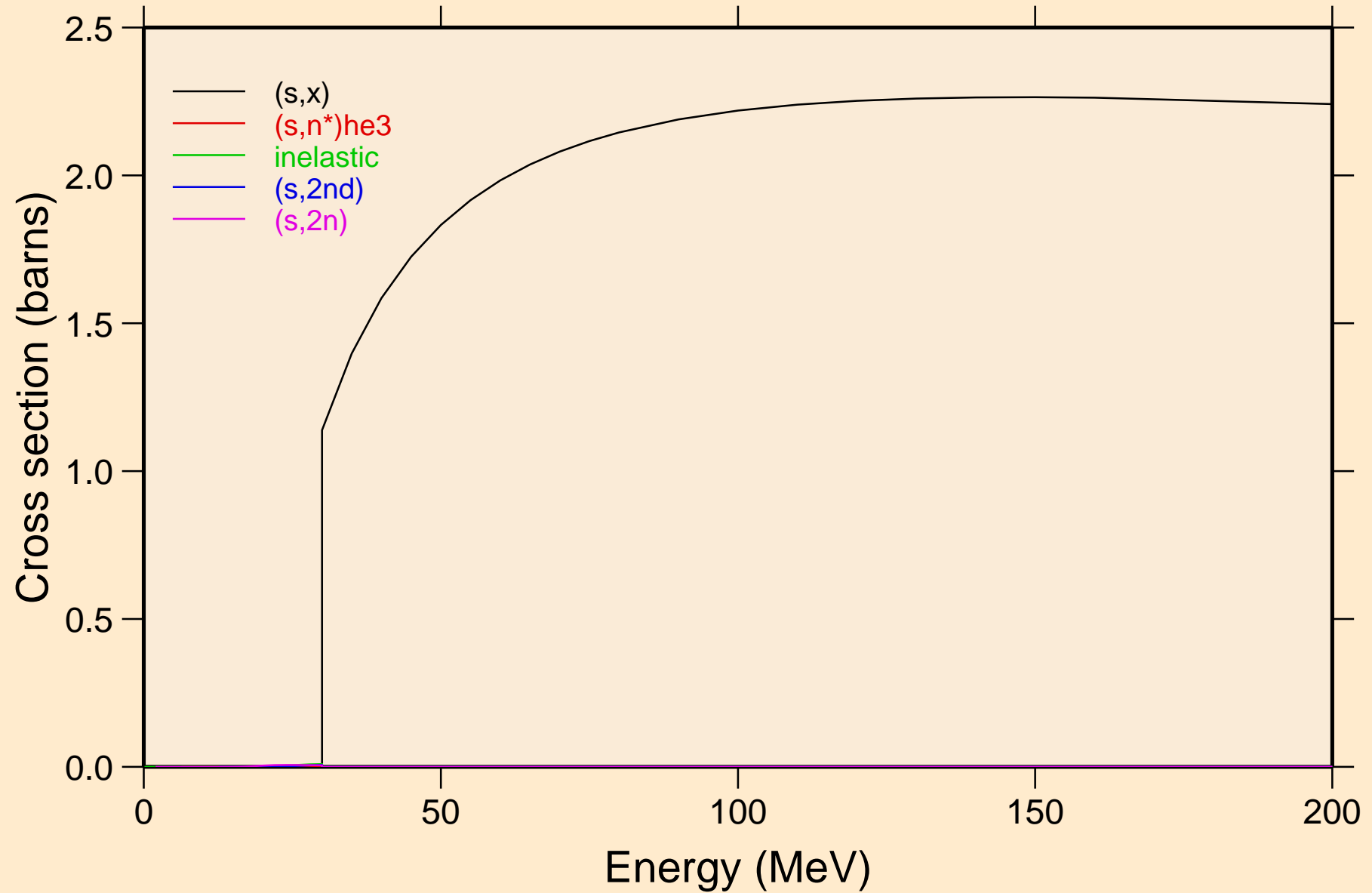


TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K

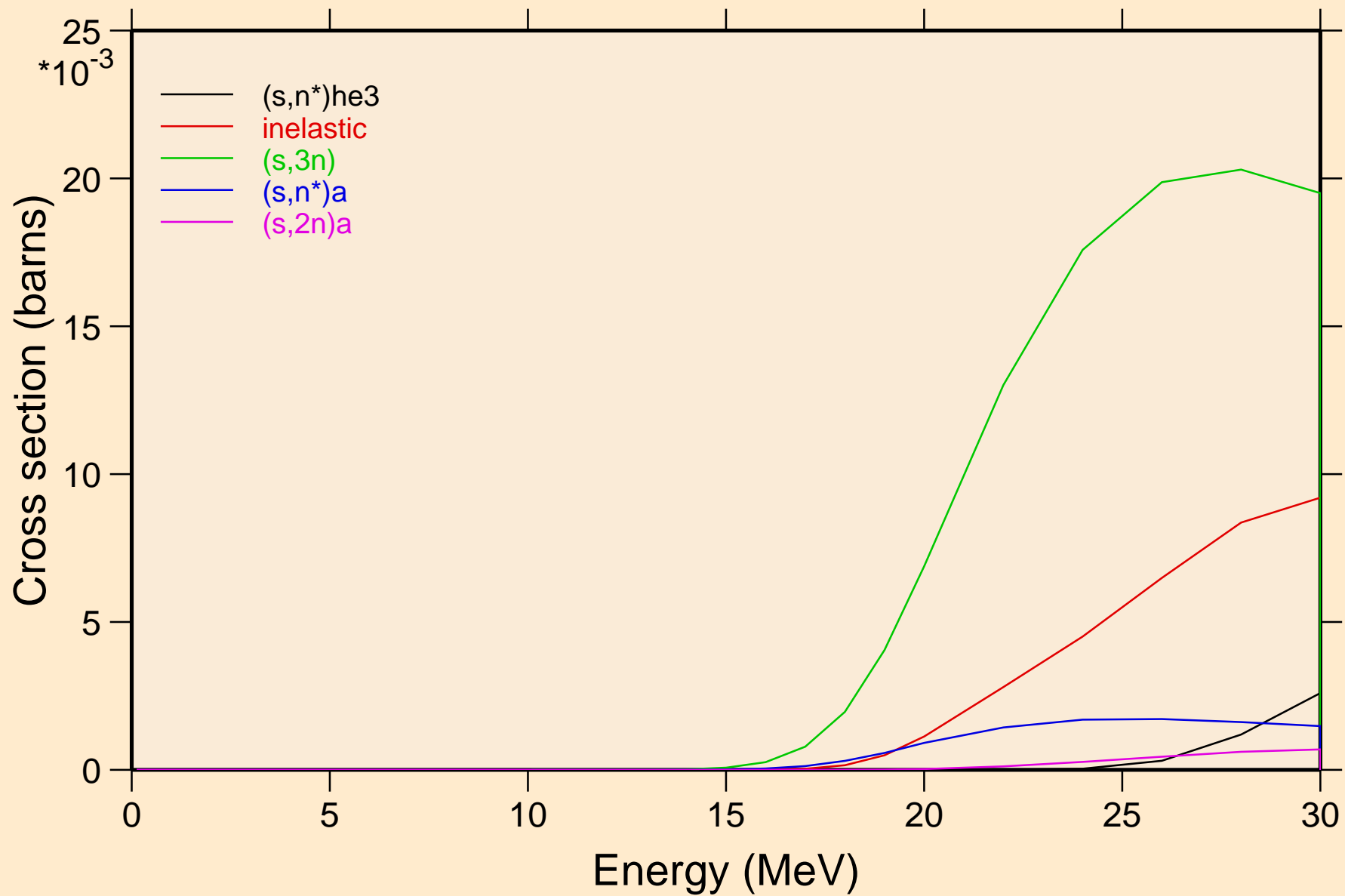
Heating



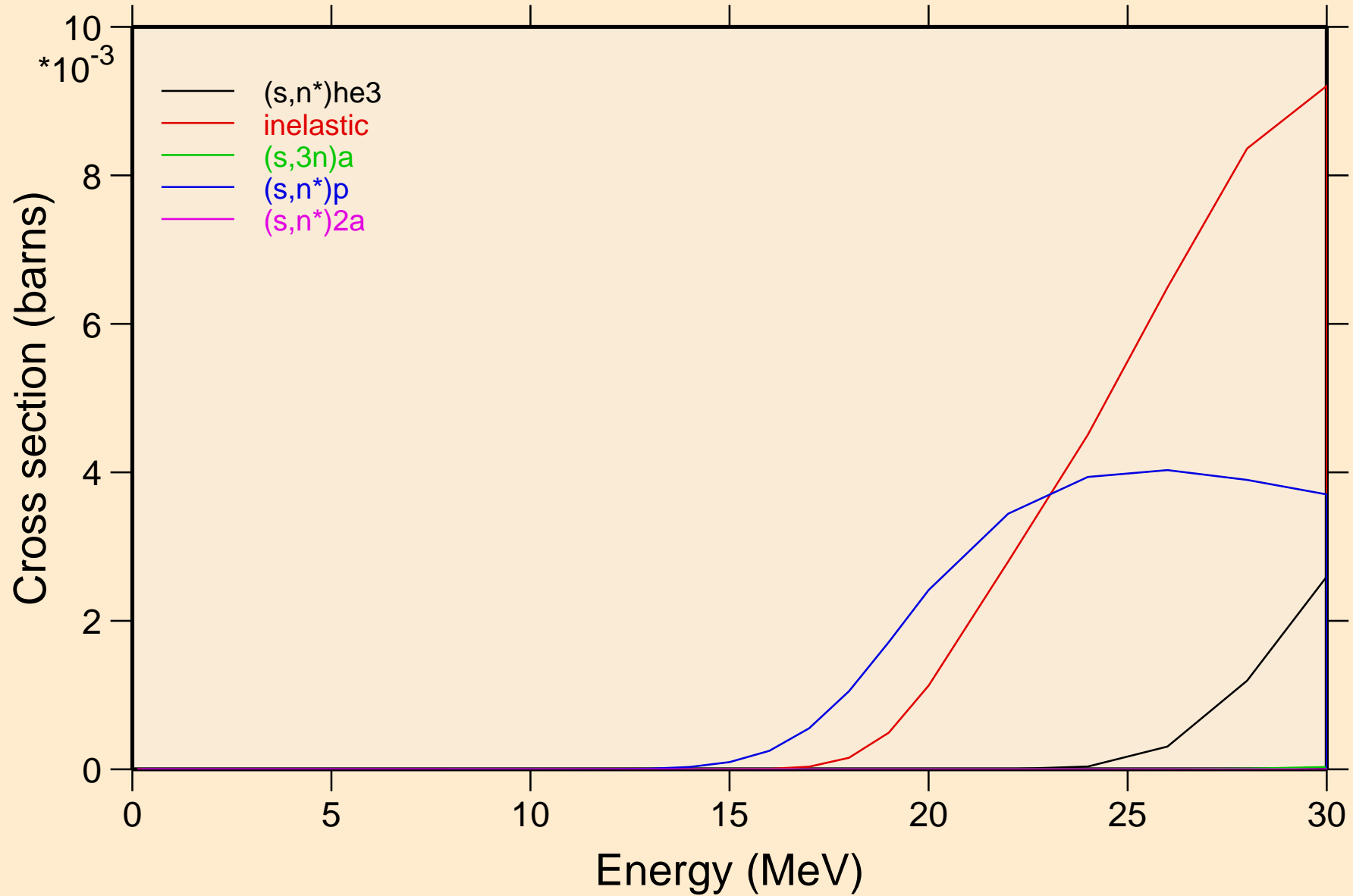
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



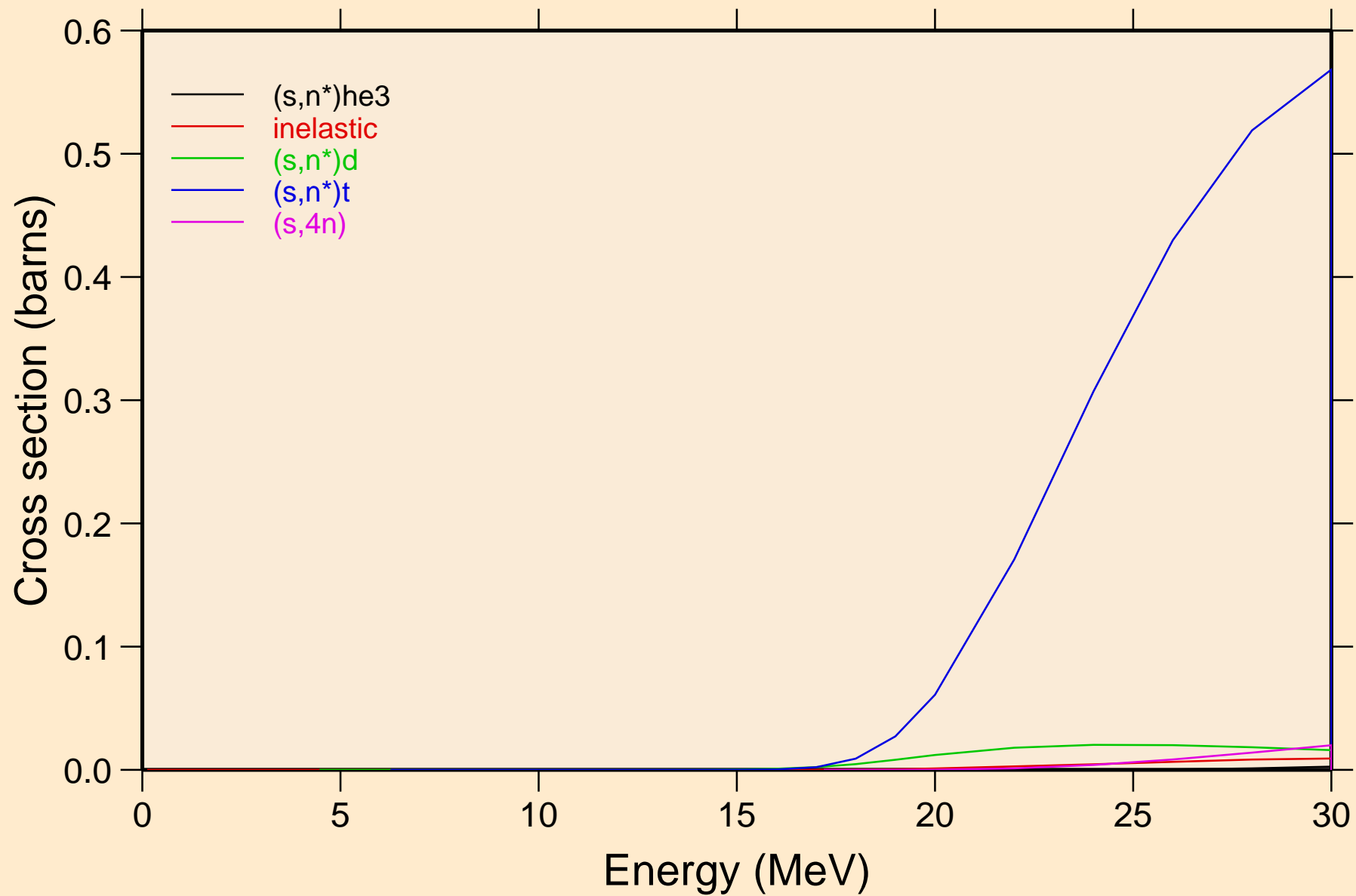
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

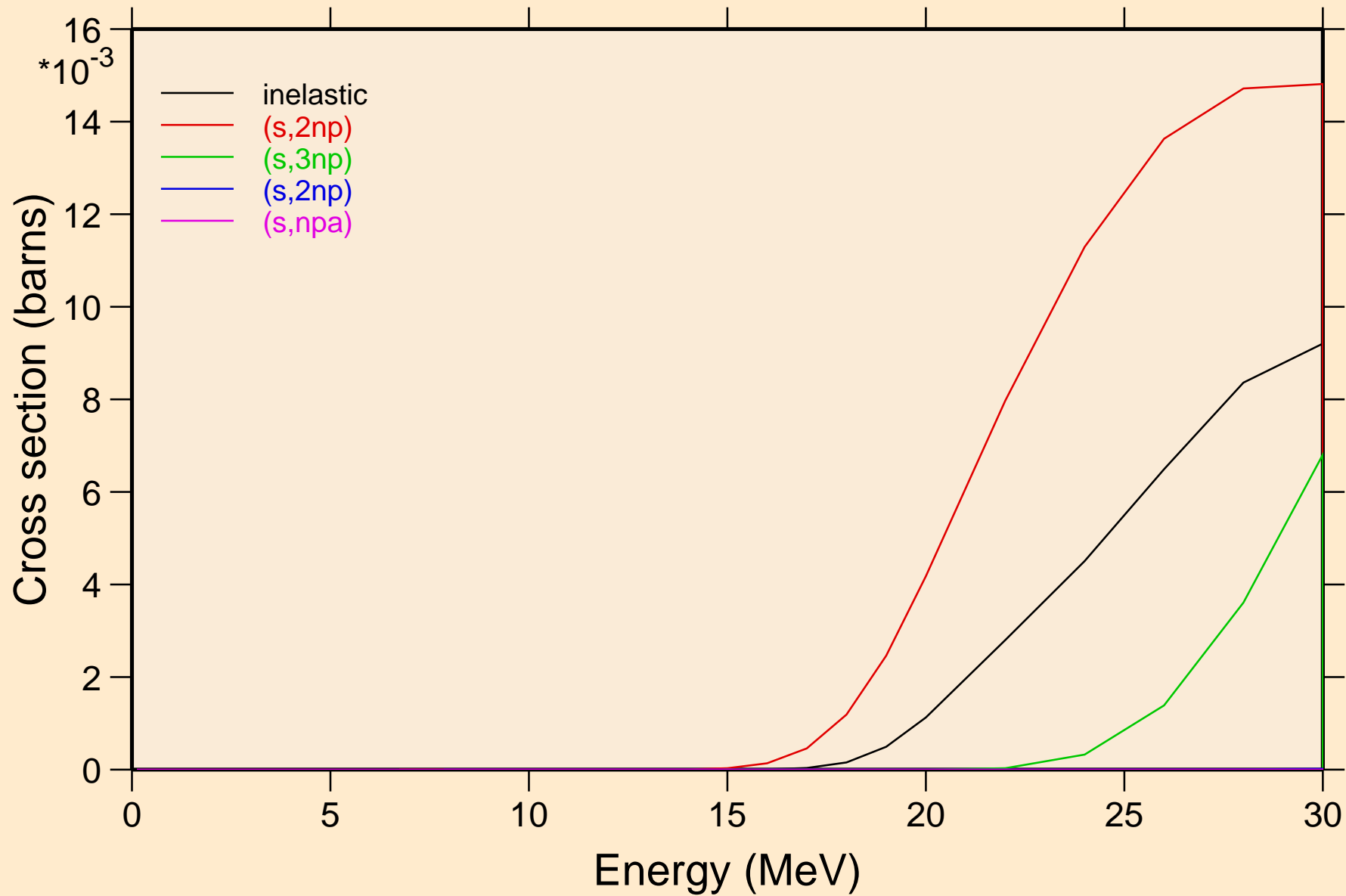


TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

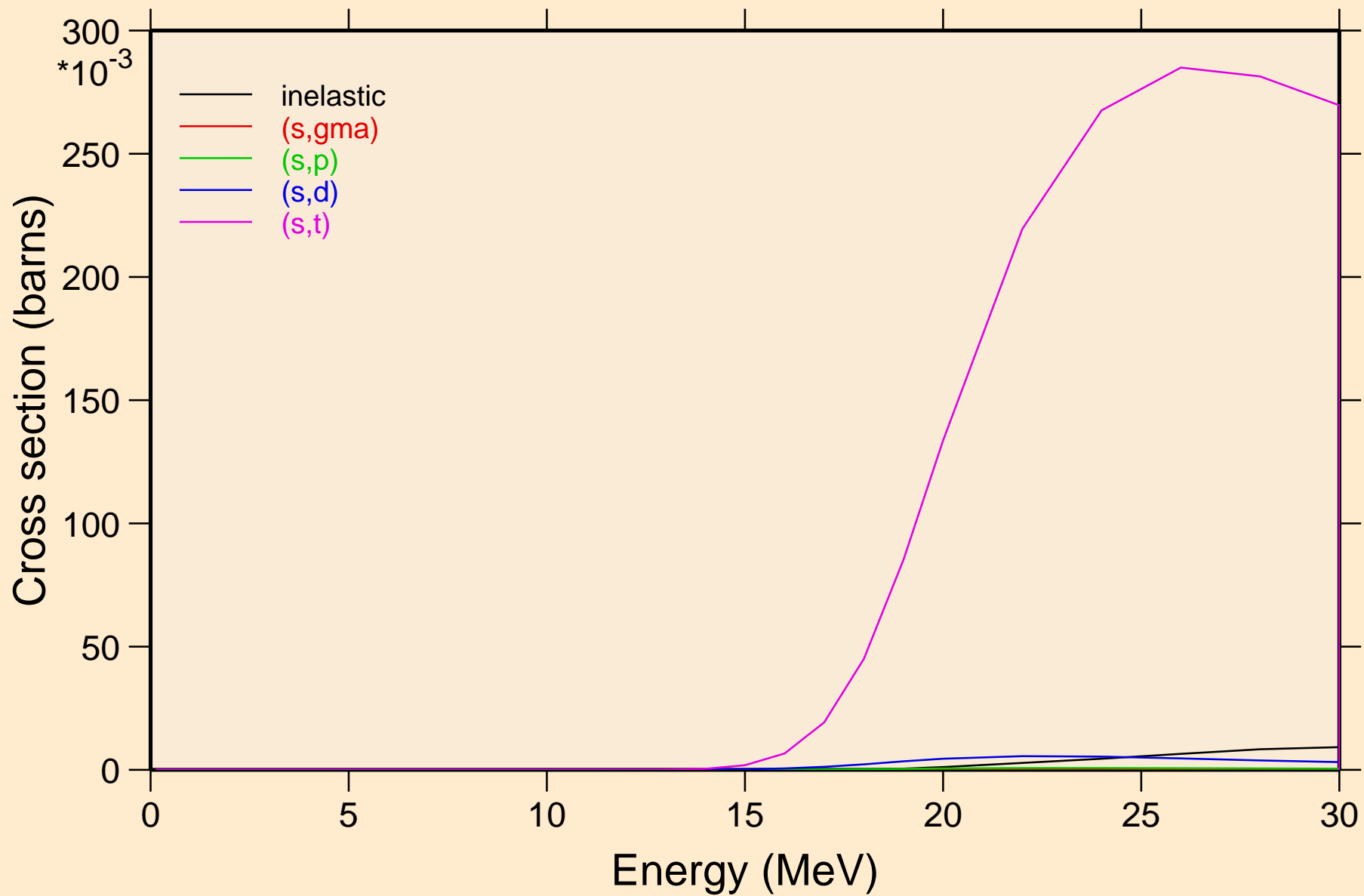




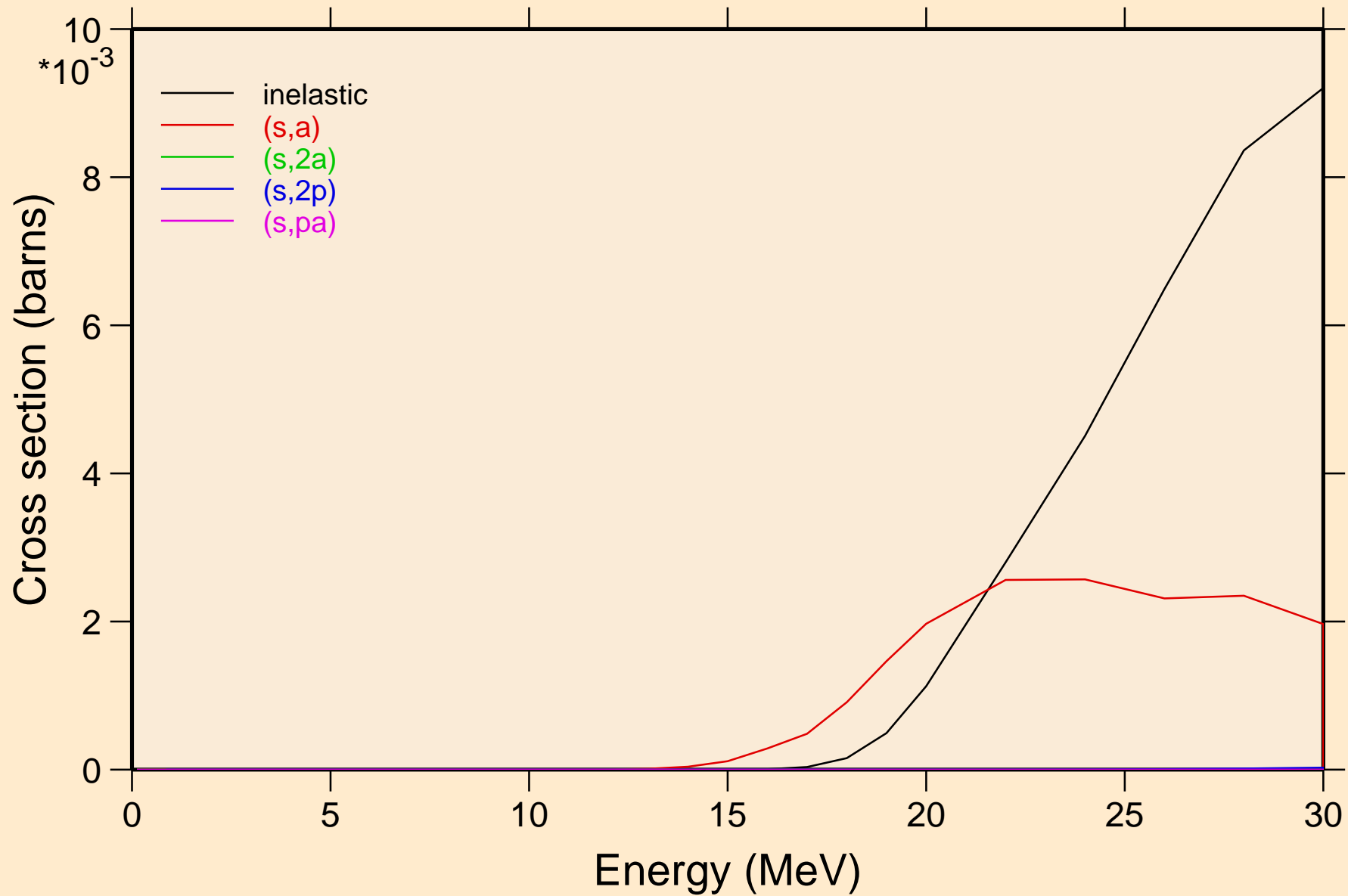
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



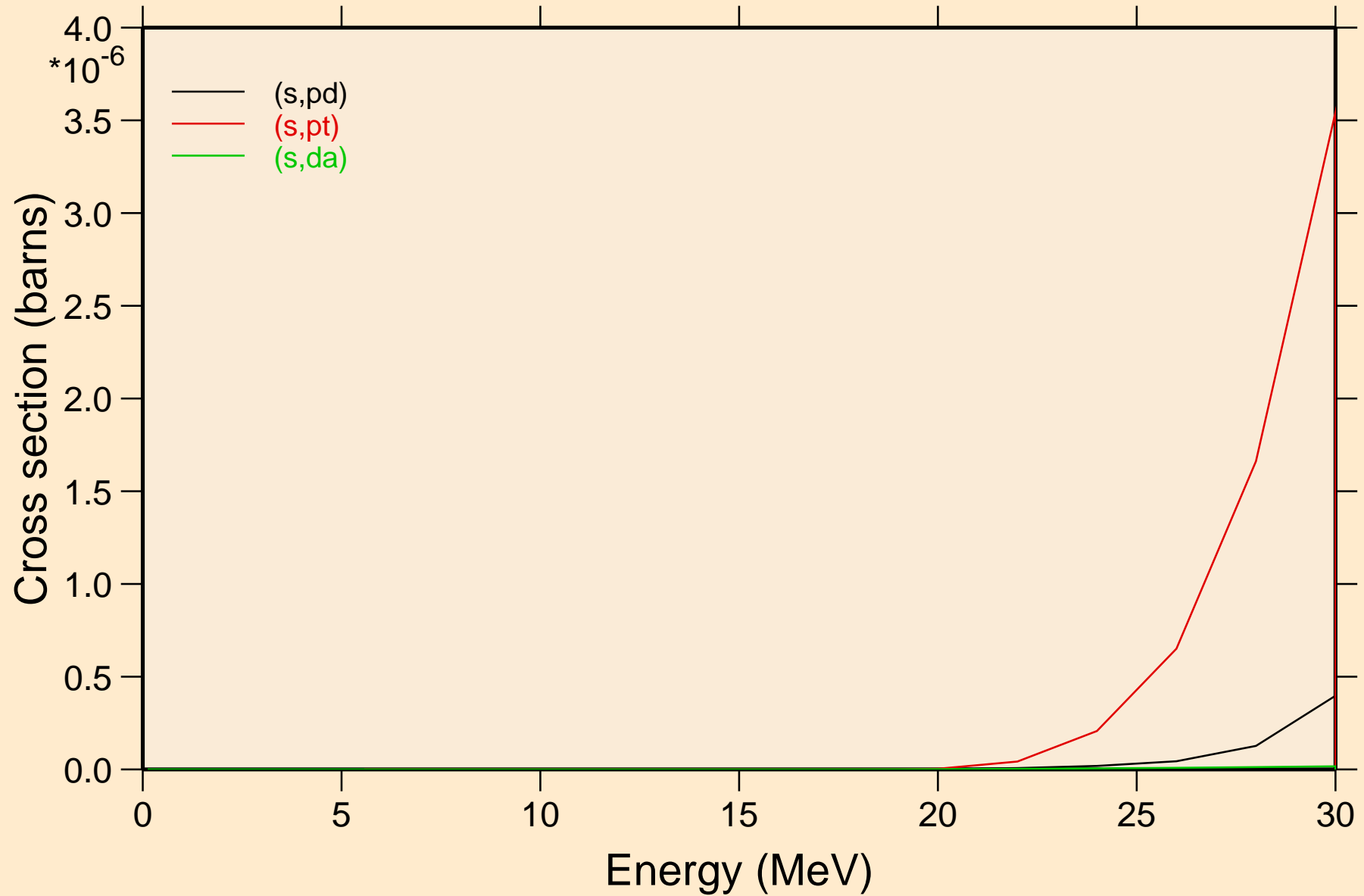
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



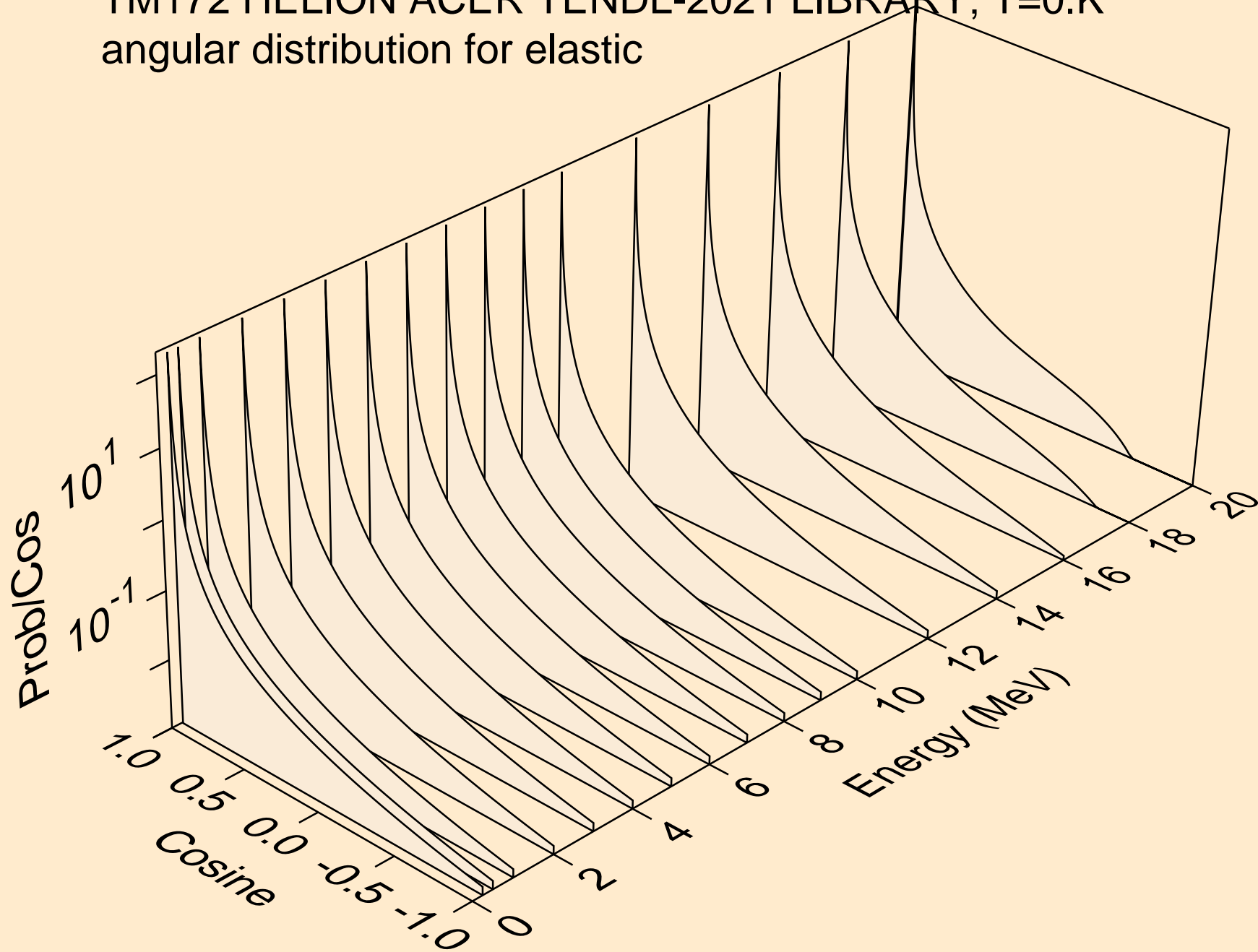
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



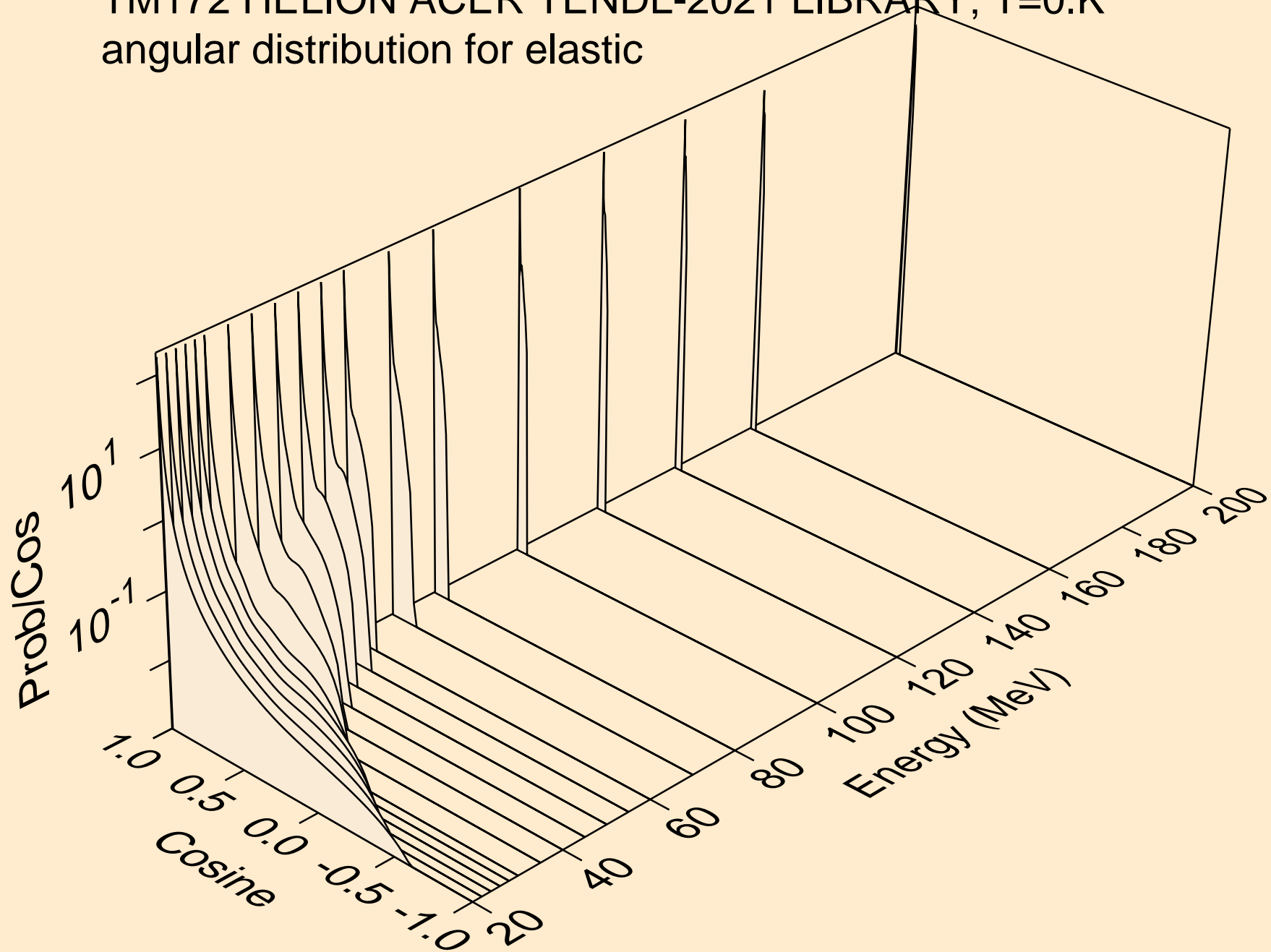
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



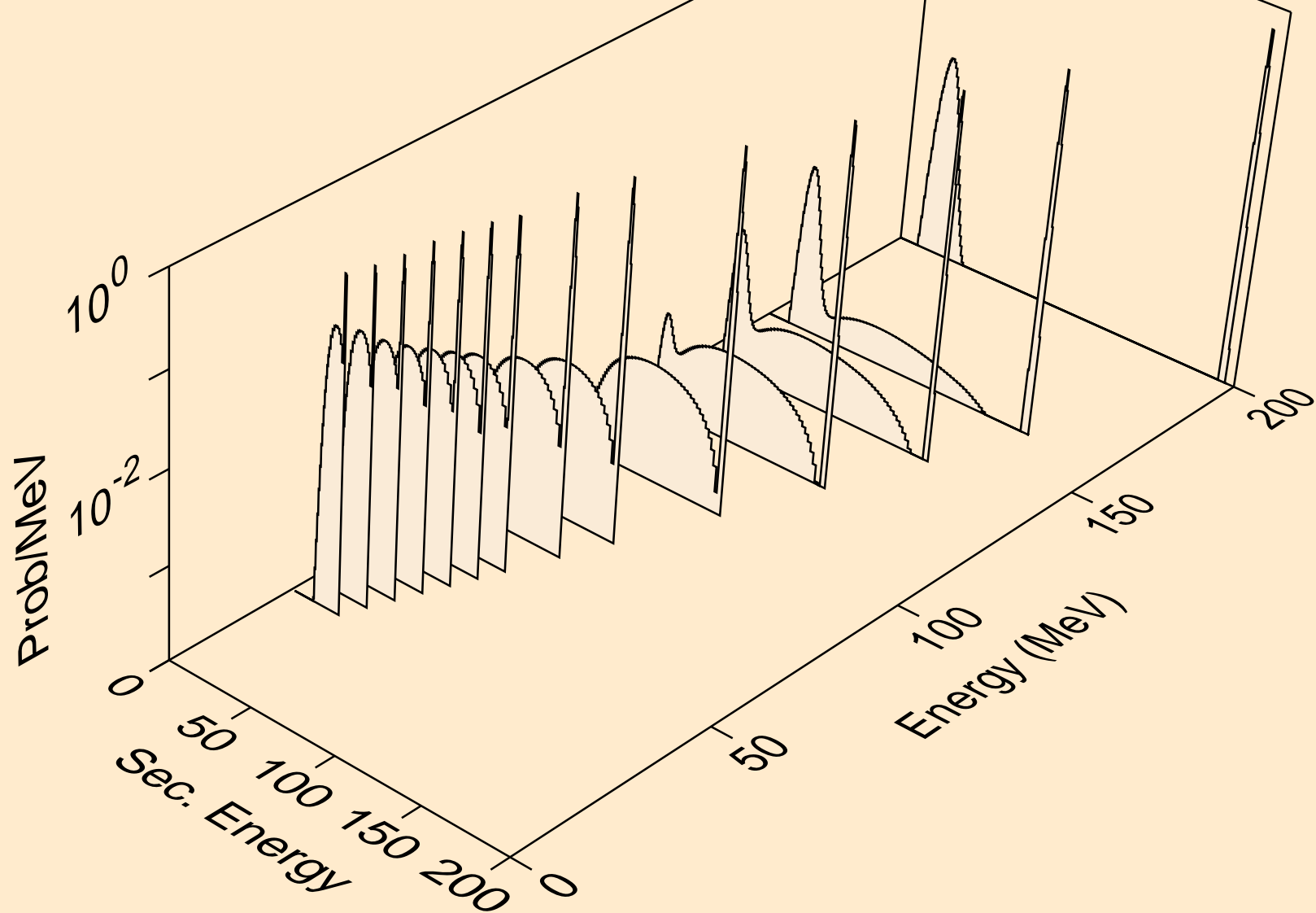
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



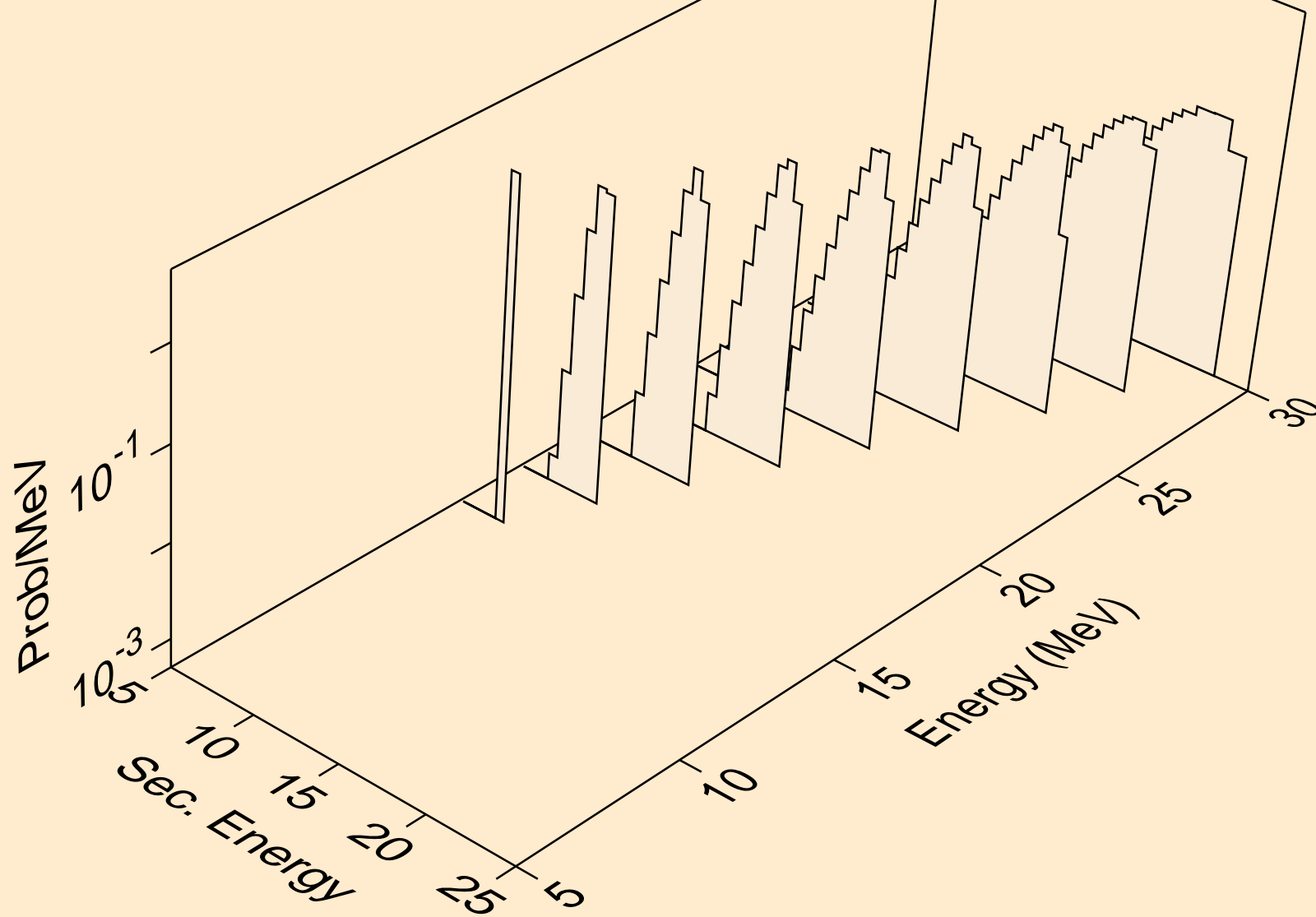
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,x)

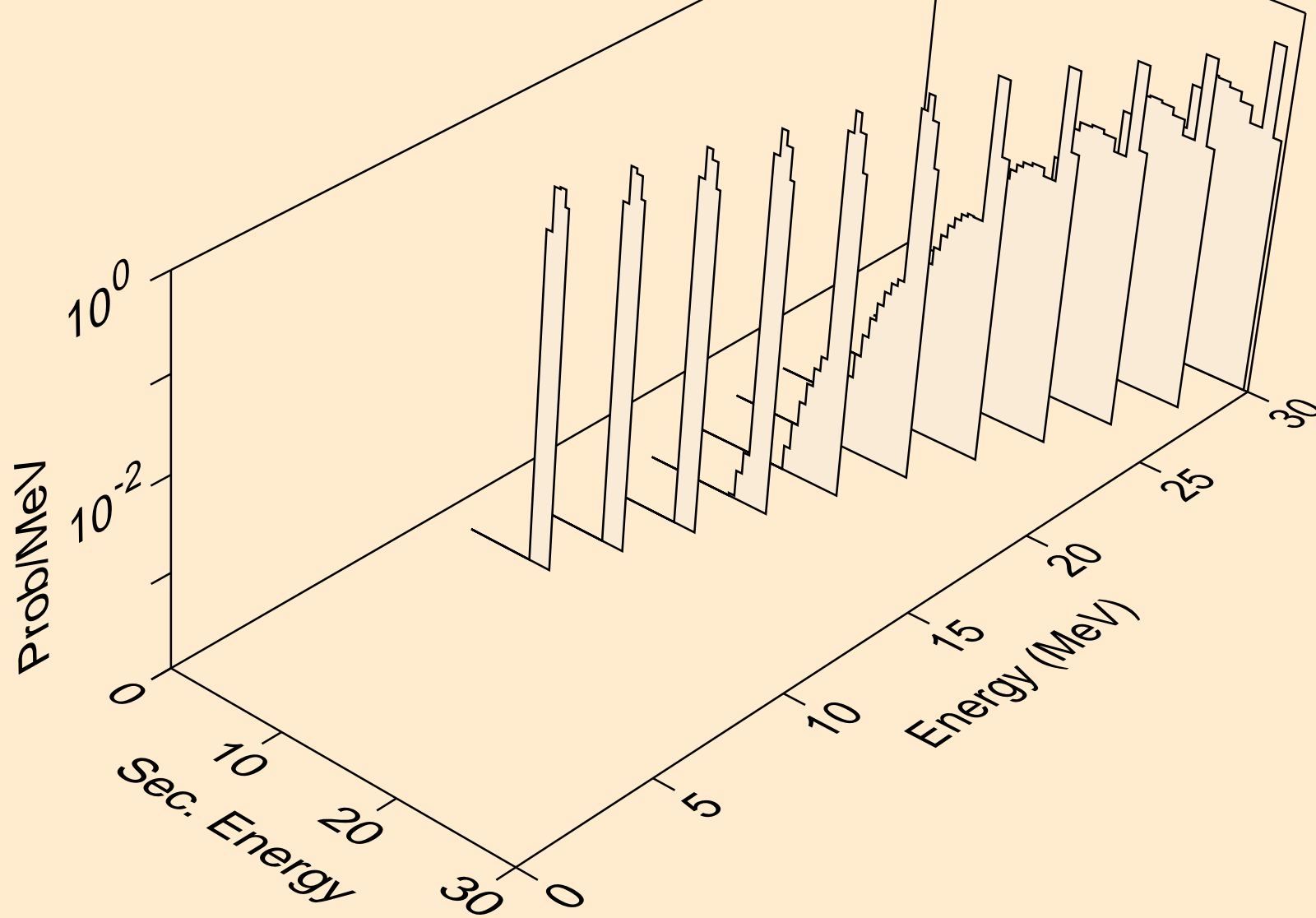


TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

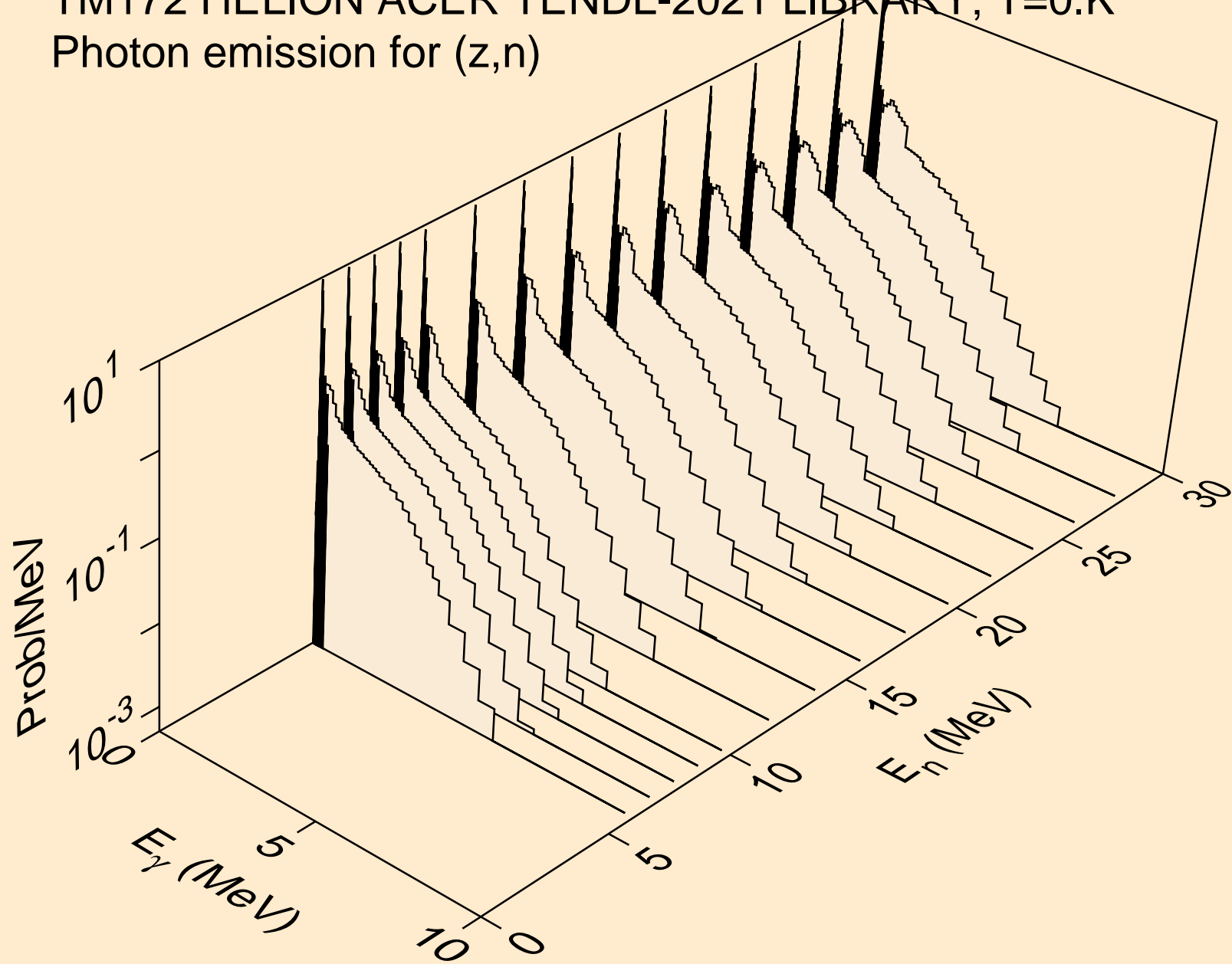




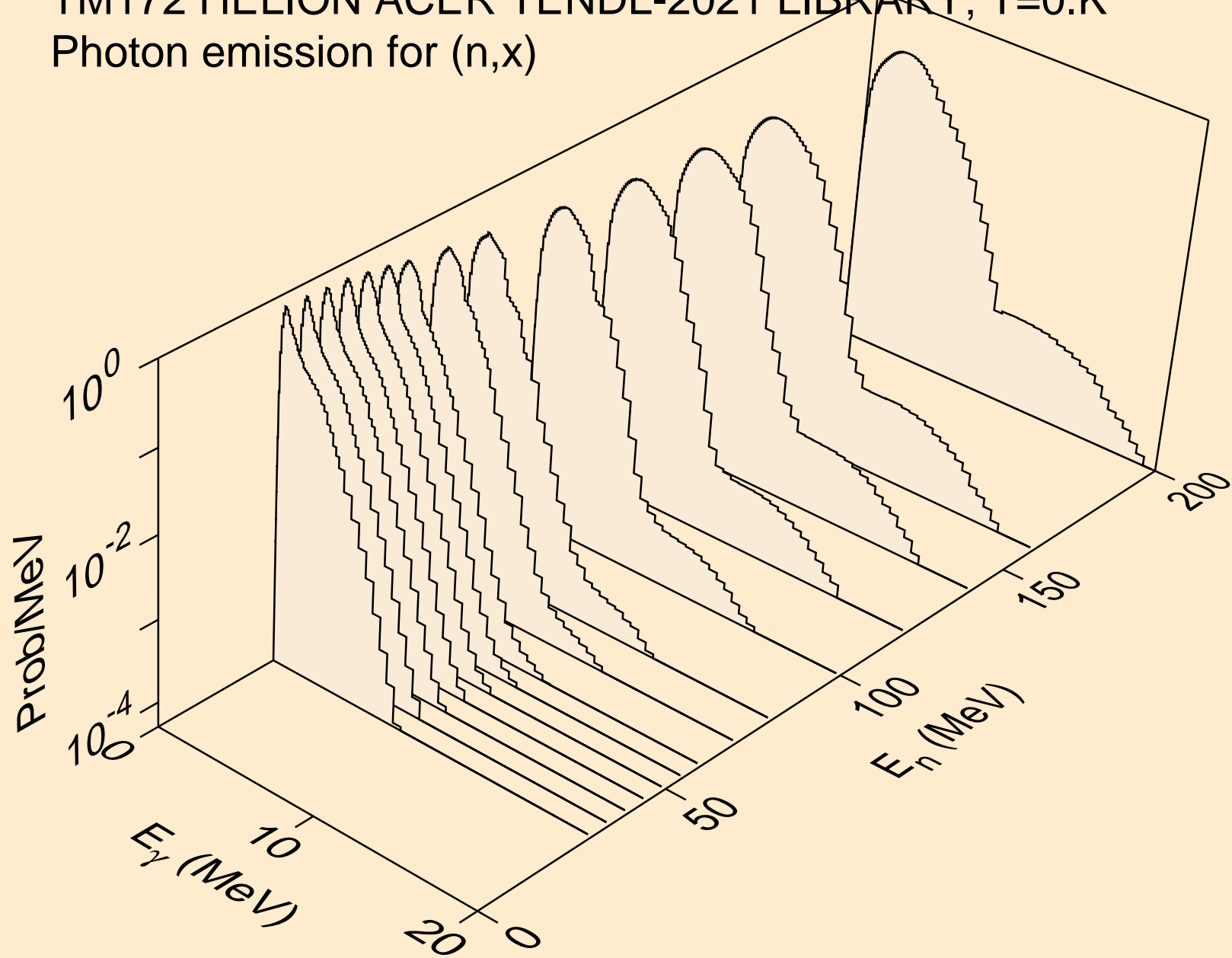
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for inelastic



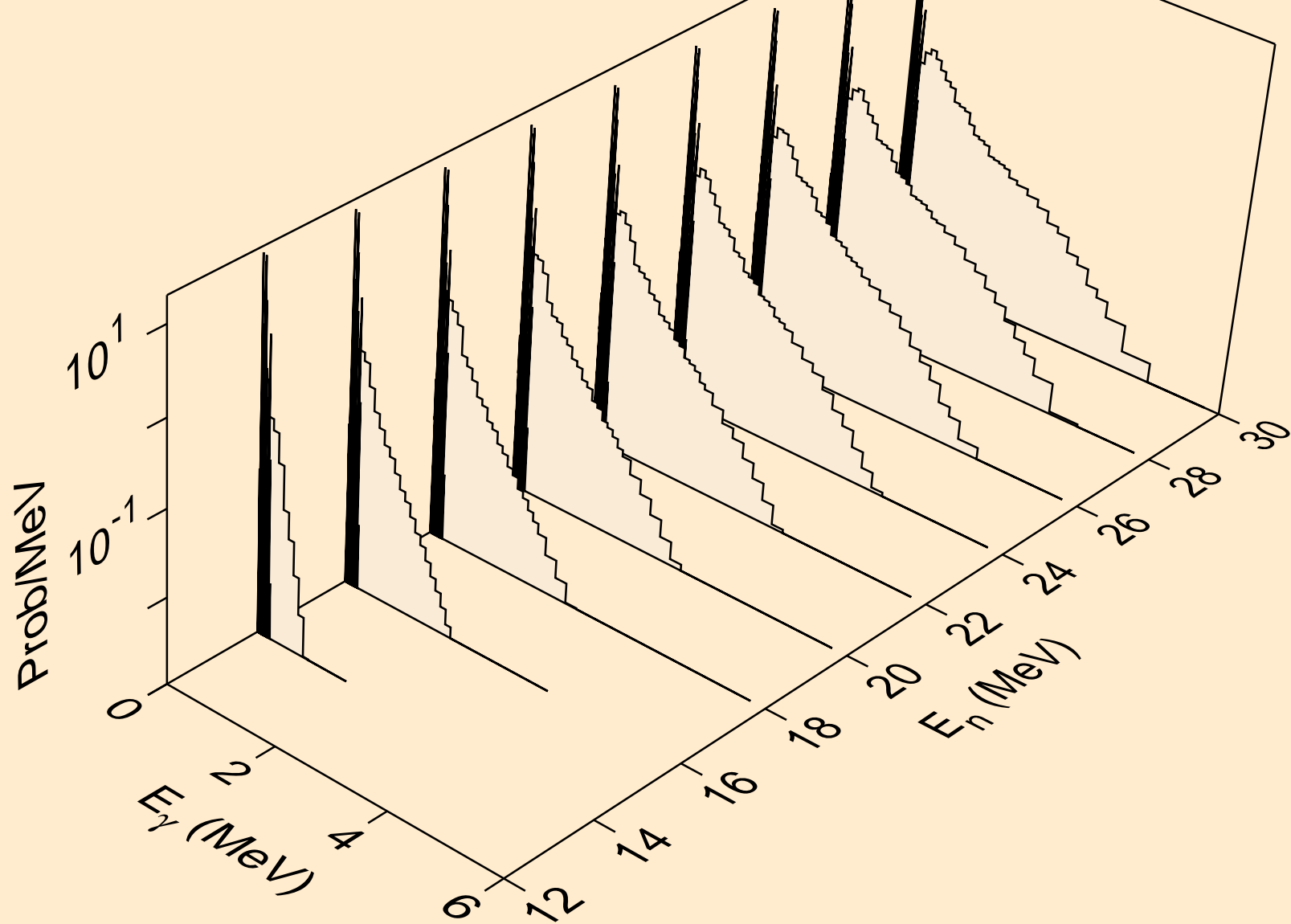
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)



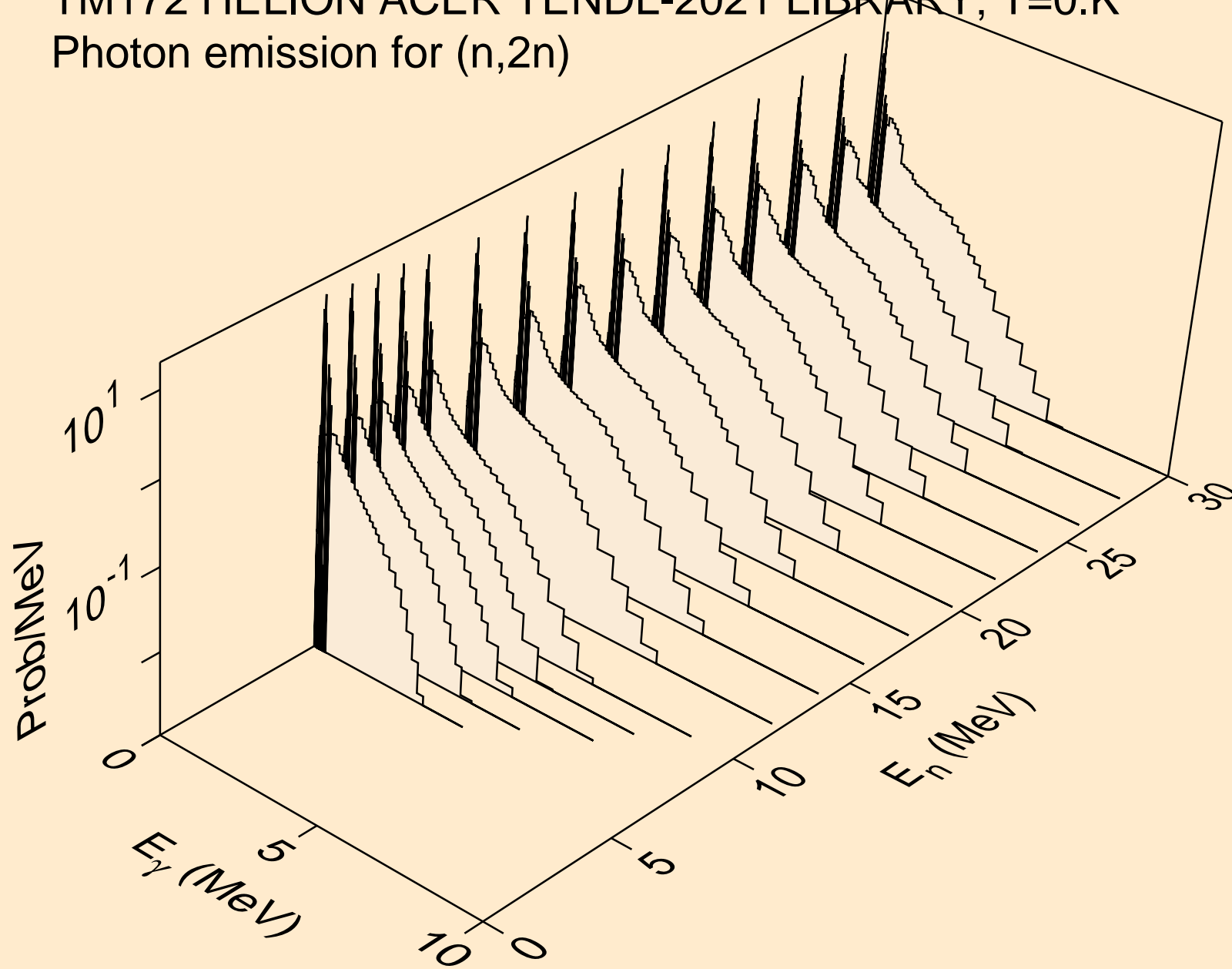
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



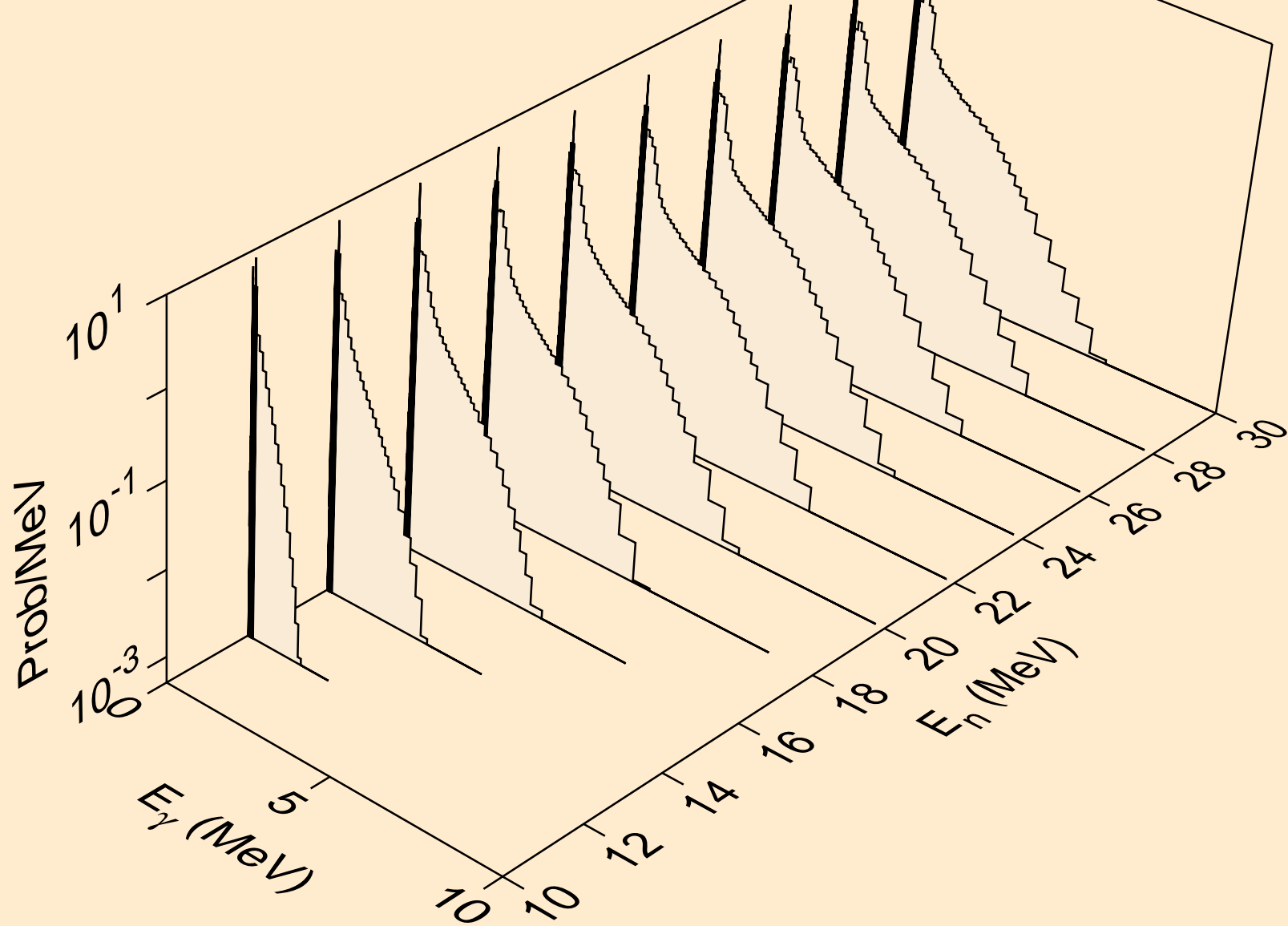
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2nd)



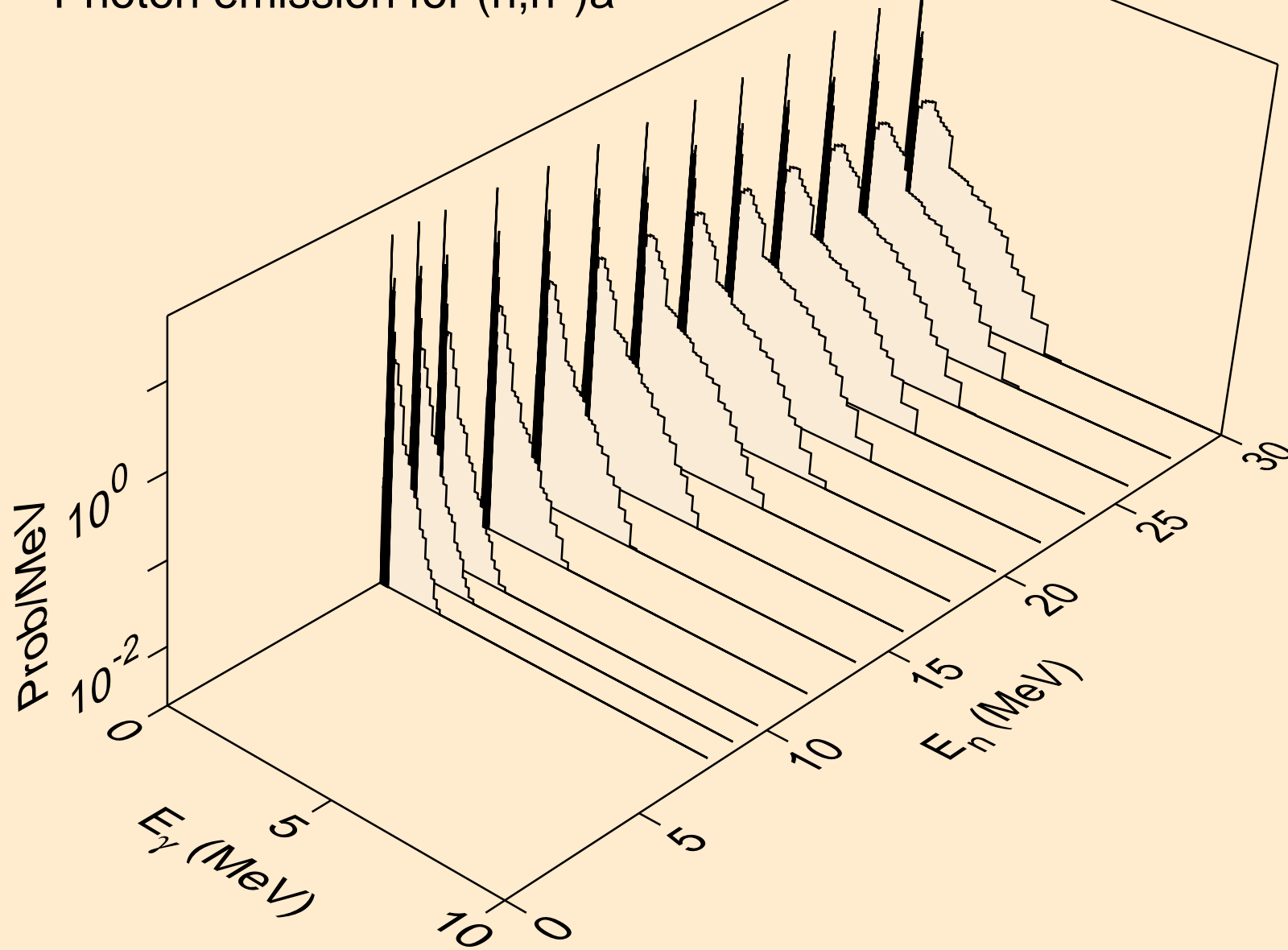
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)



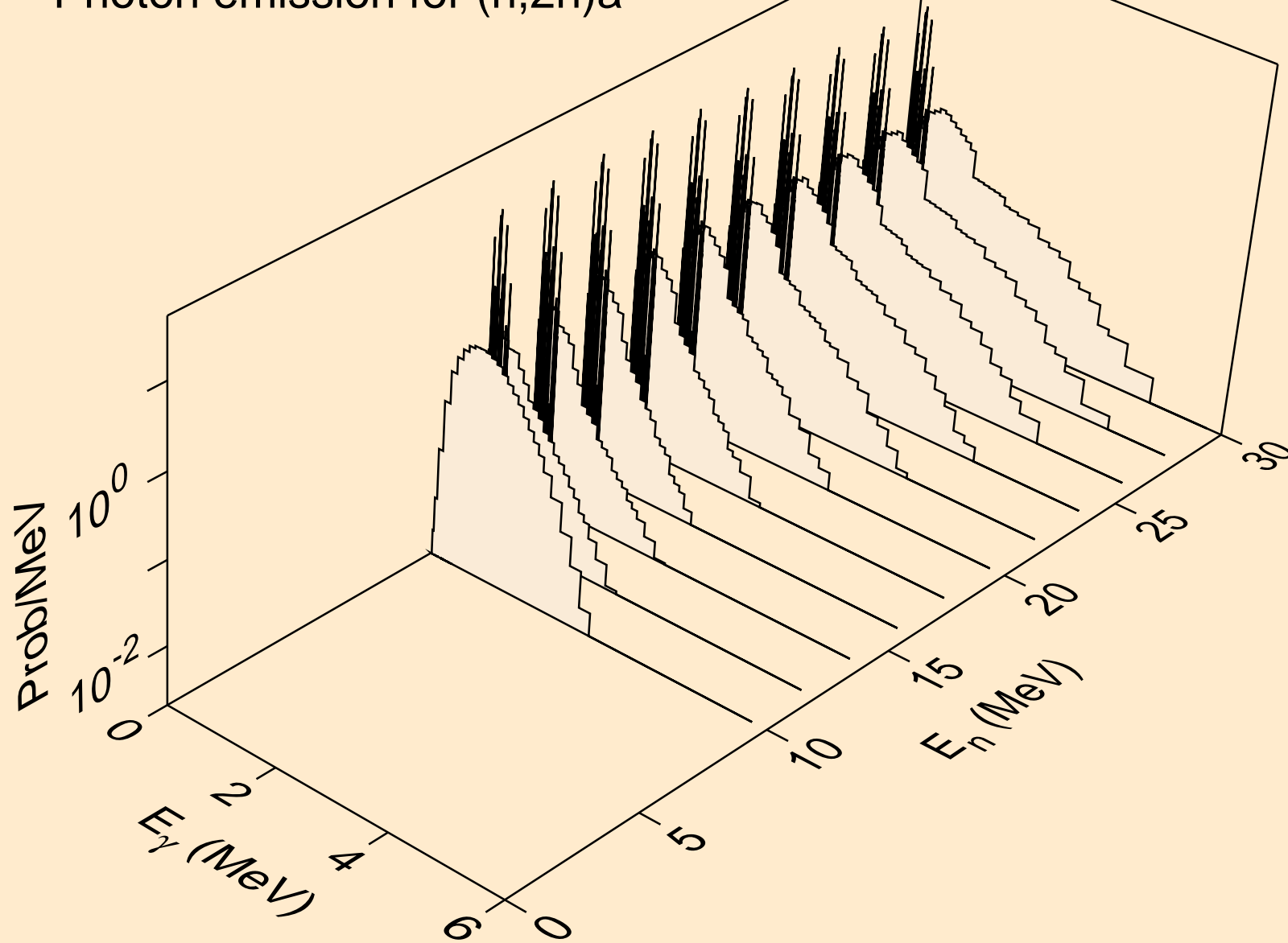
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)



TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

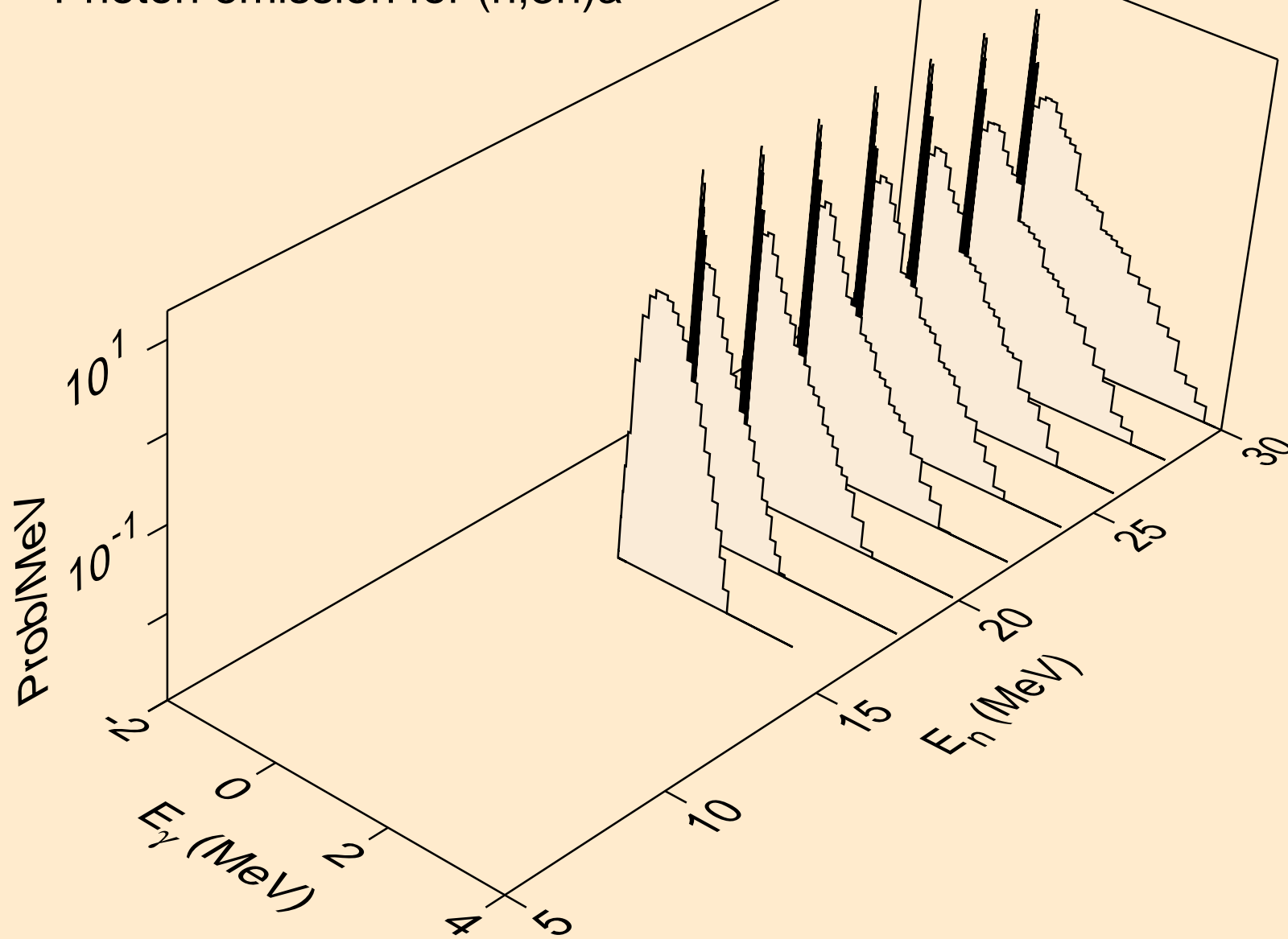


TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)a

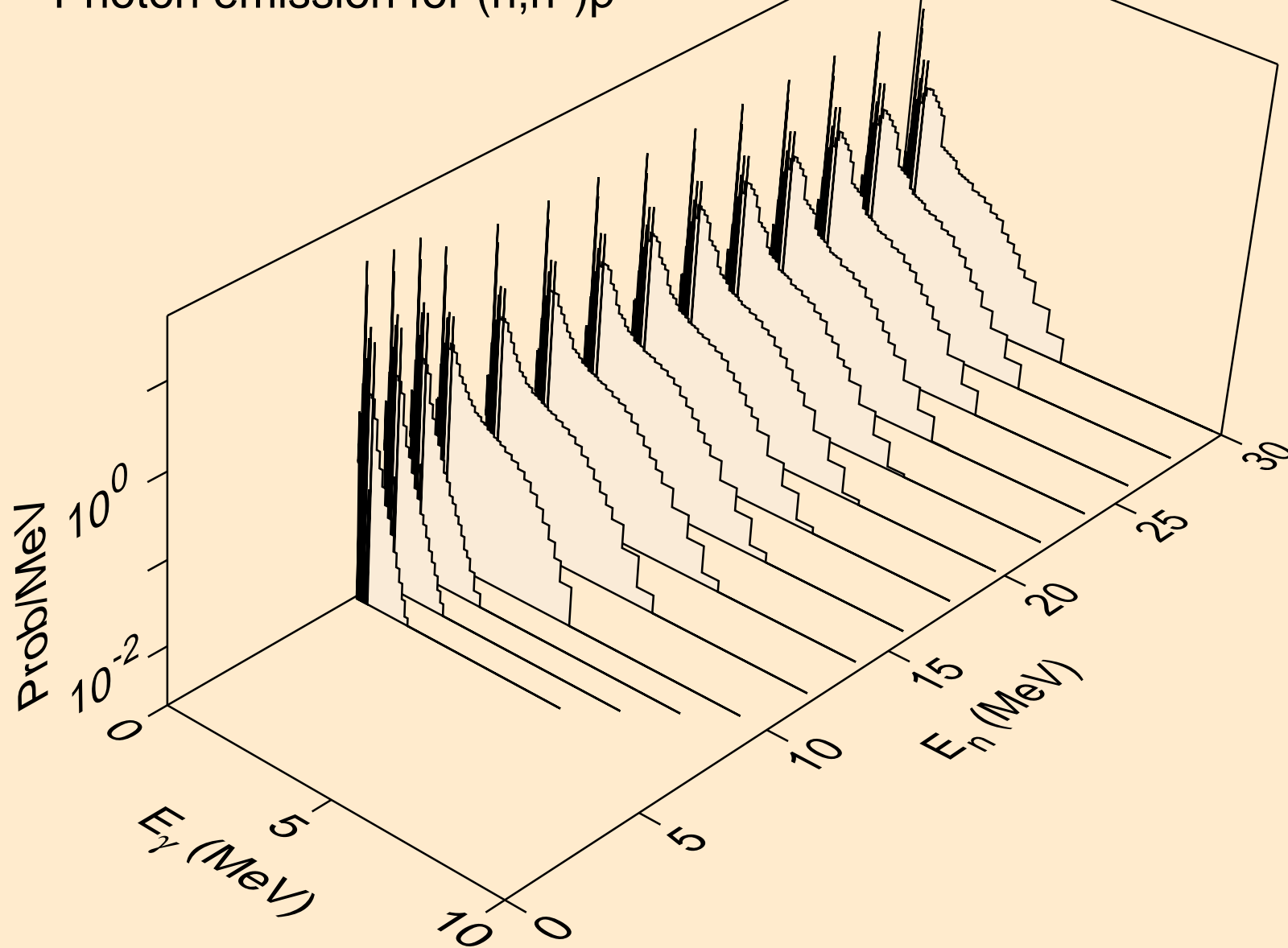




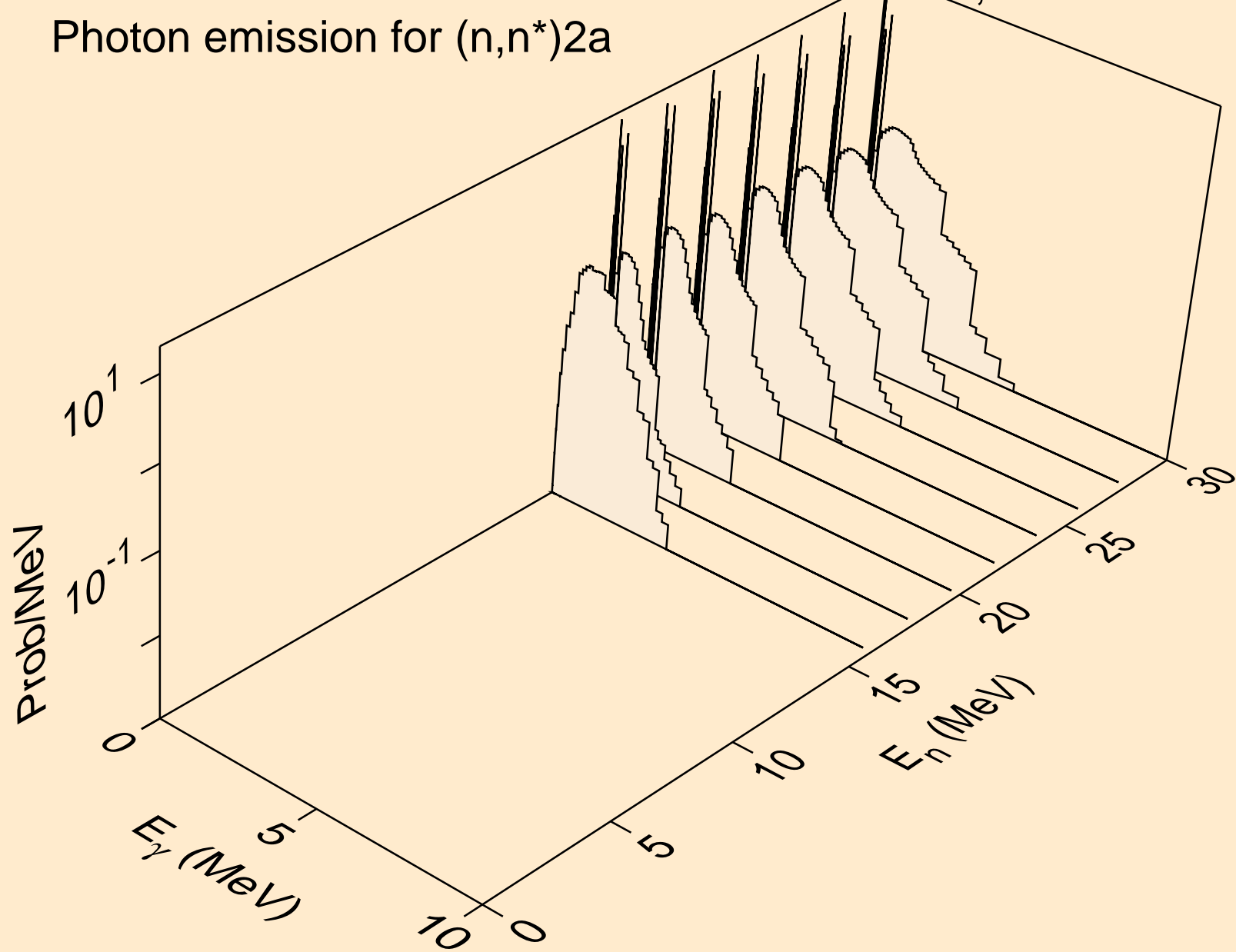
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)a



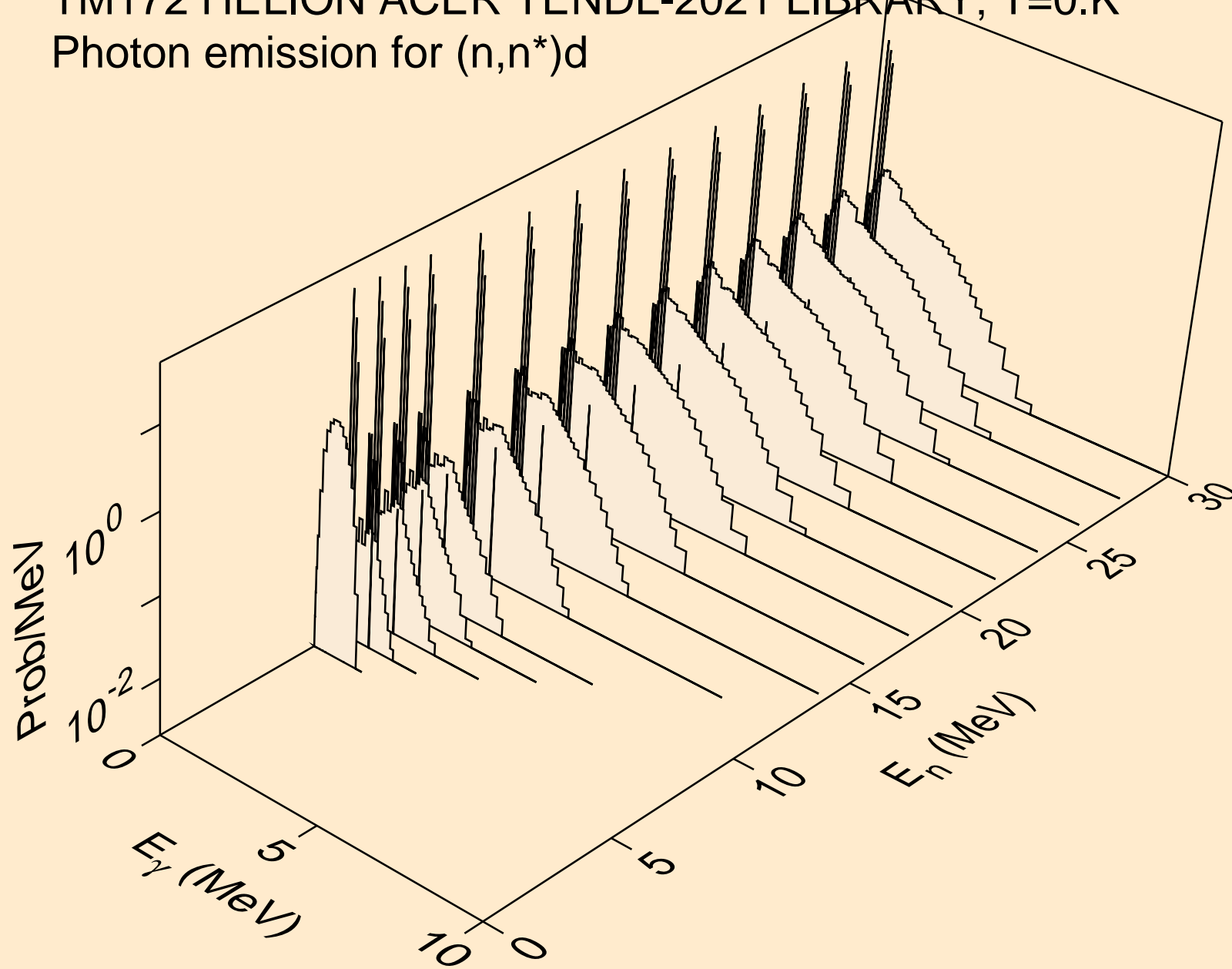
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



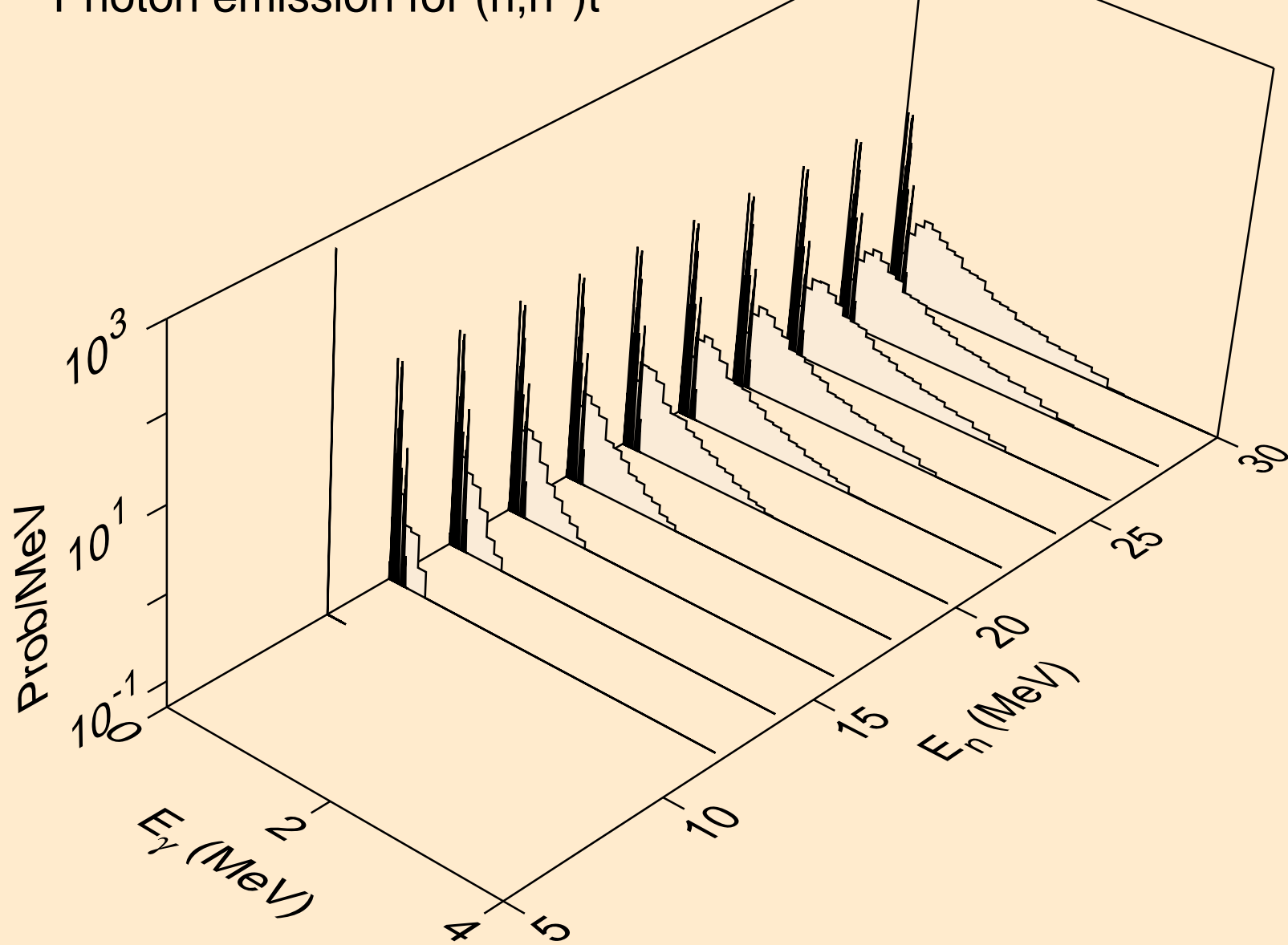
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Photon emission for (n,n\*)2a



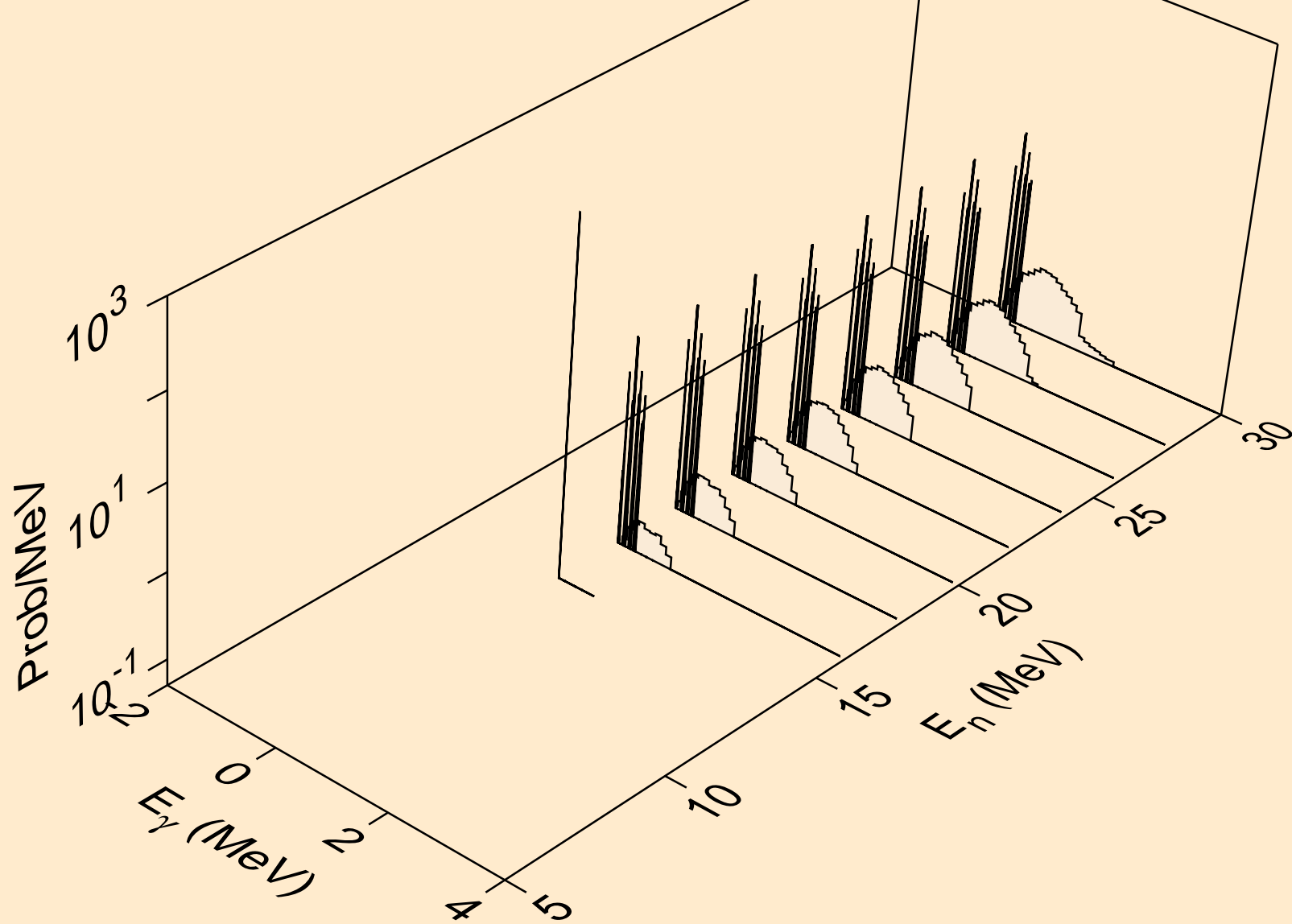
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Photon emission for (n,n\*)d



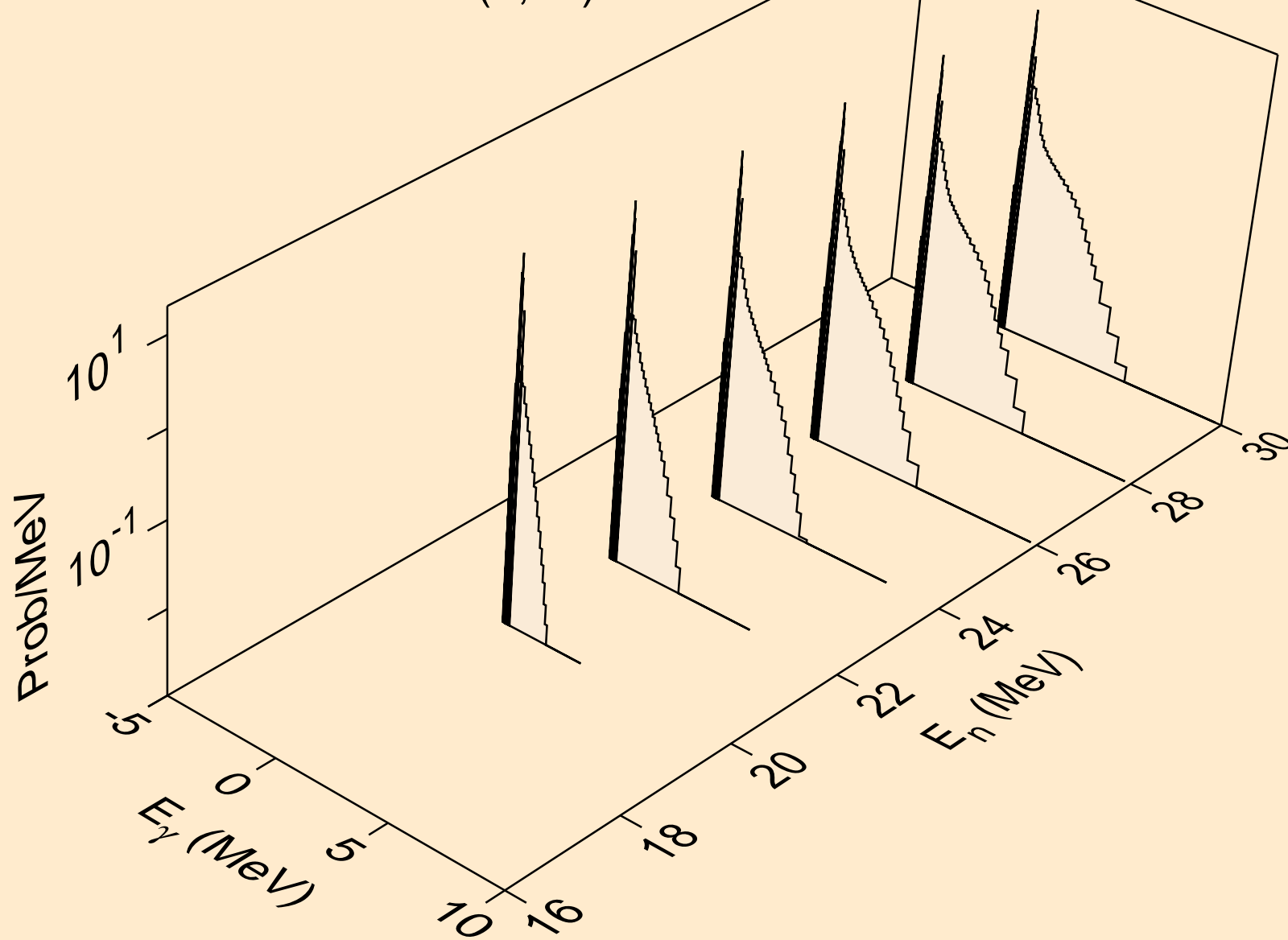
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



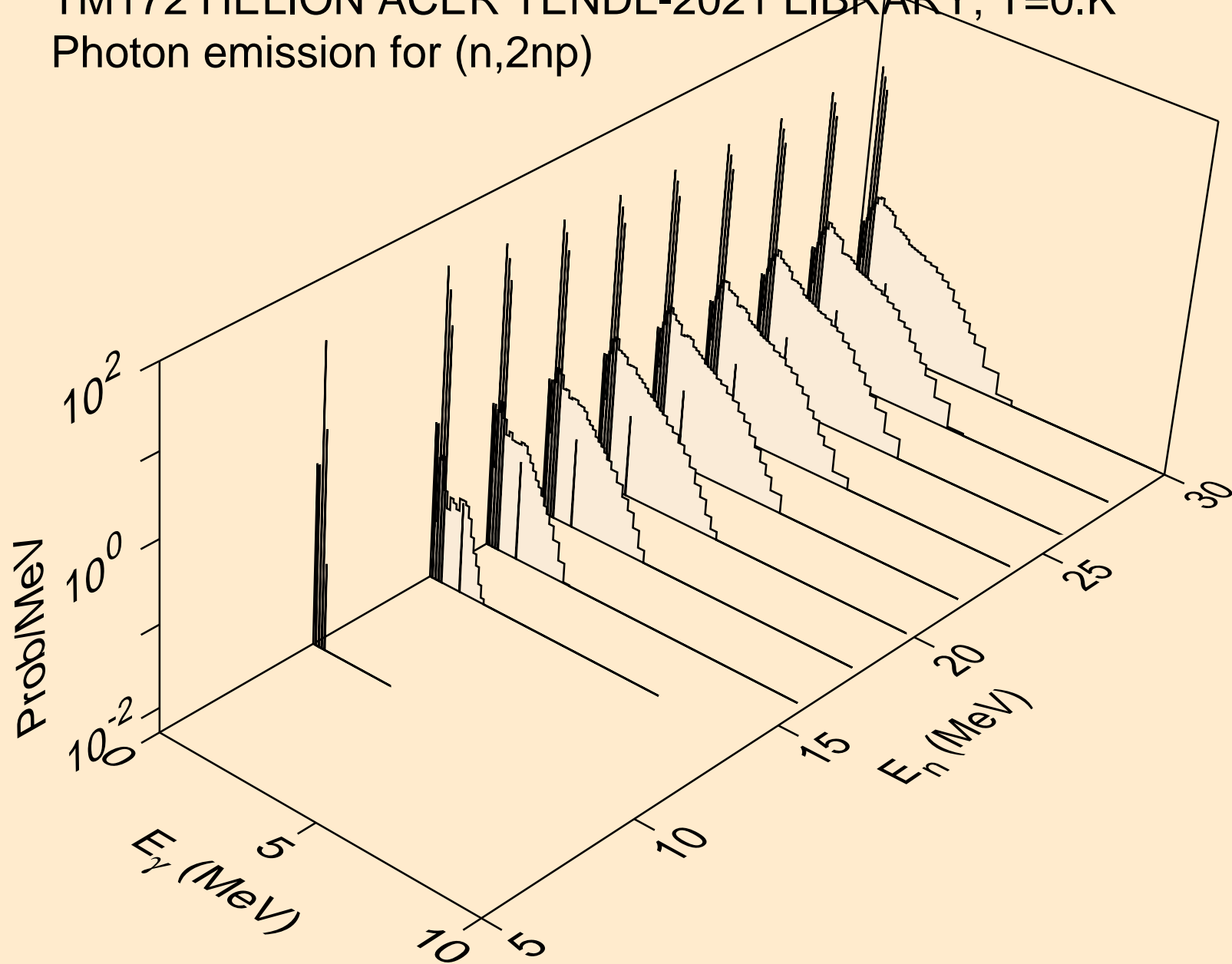
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,4n)

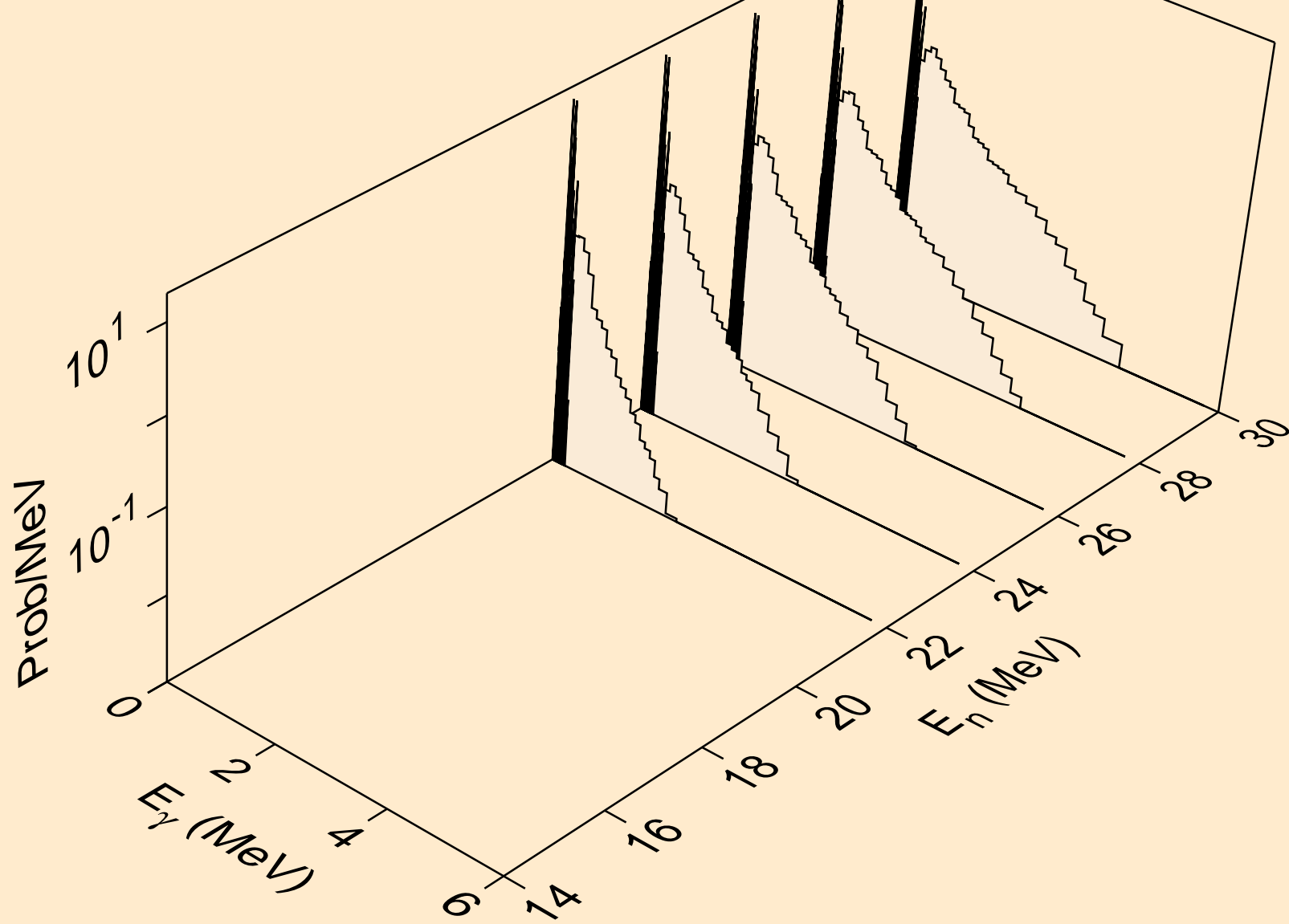


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Photon emission for (n,2np)

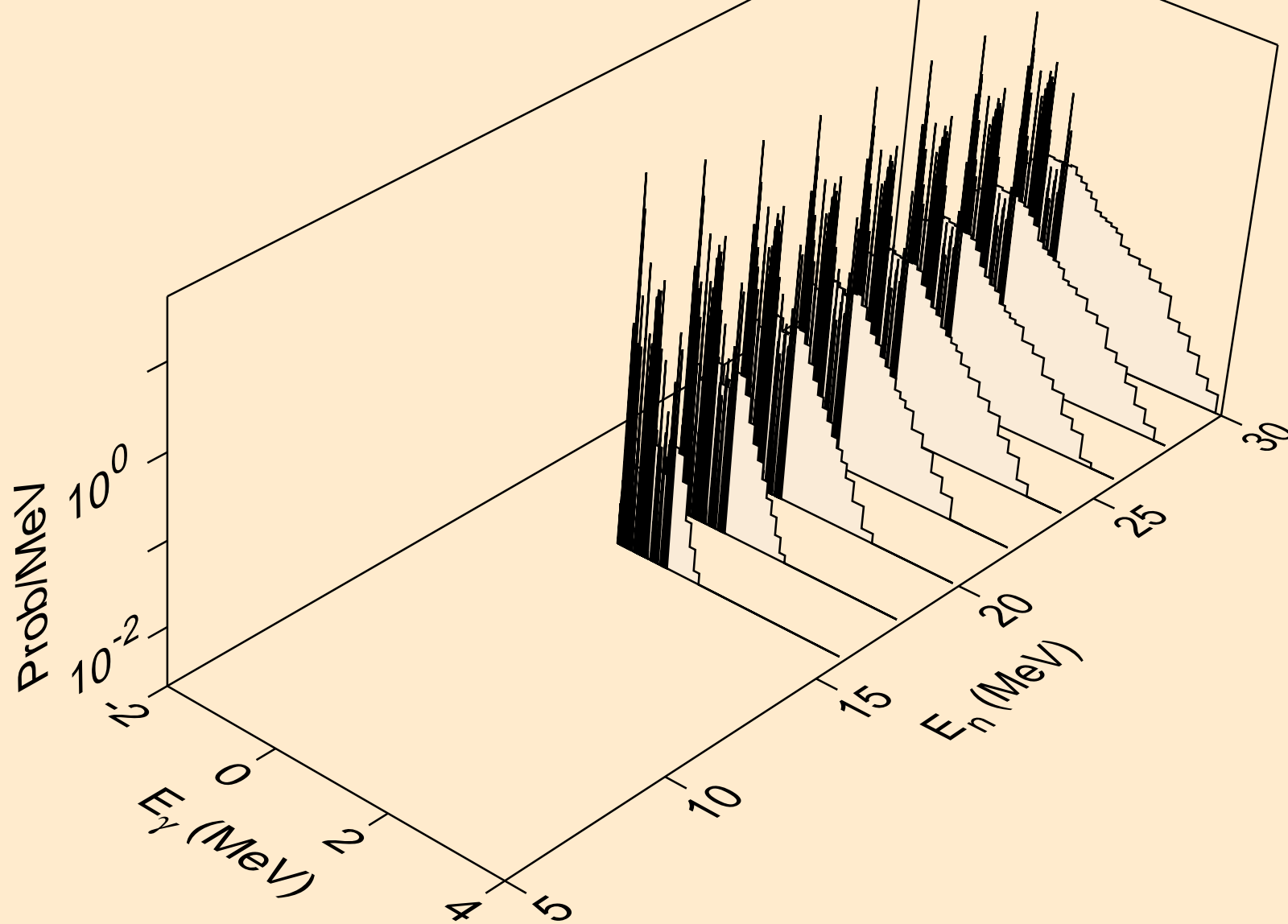




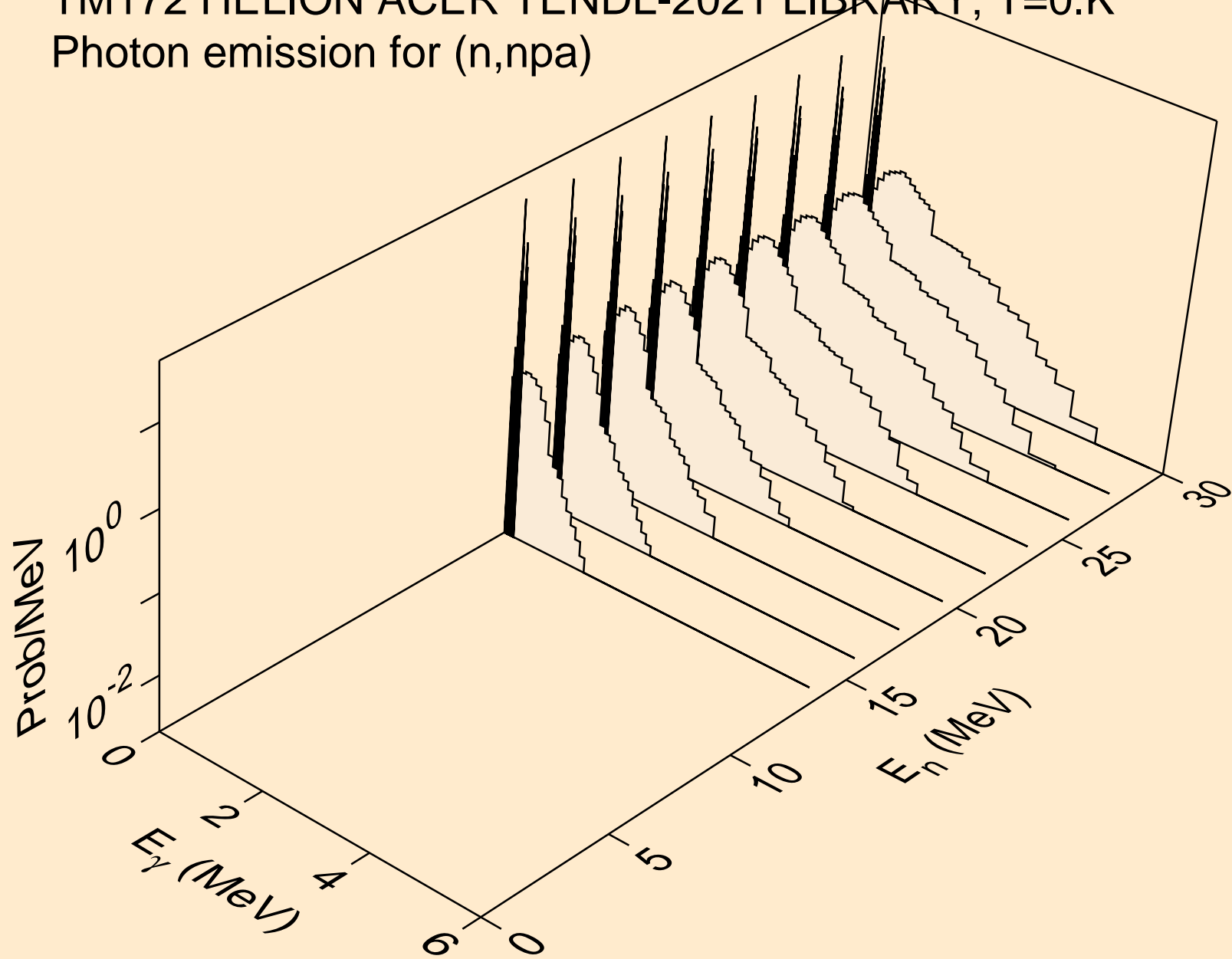
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Photon emission for (n,3np)



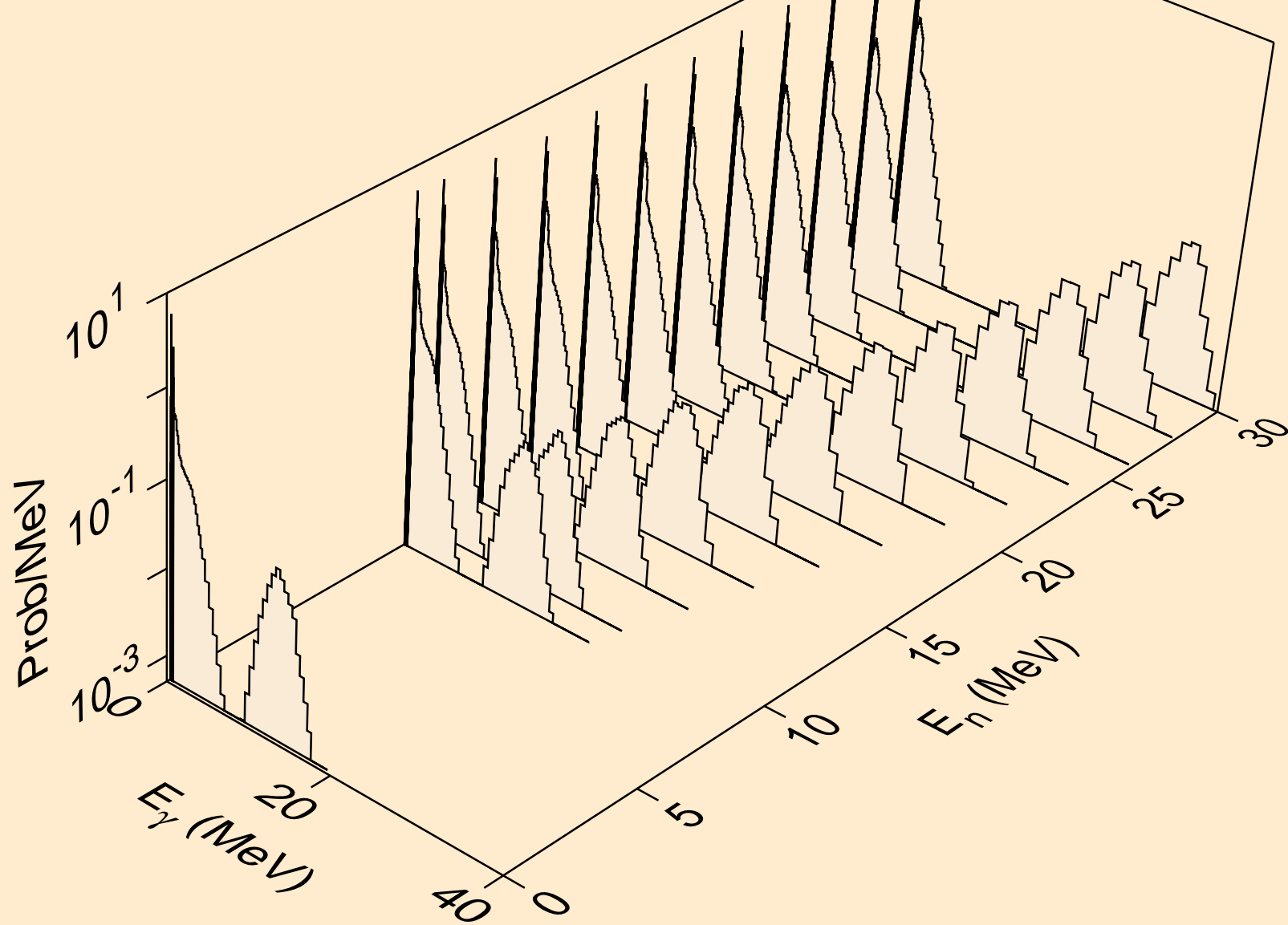
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Photon emission for (n,2np)



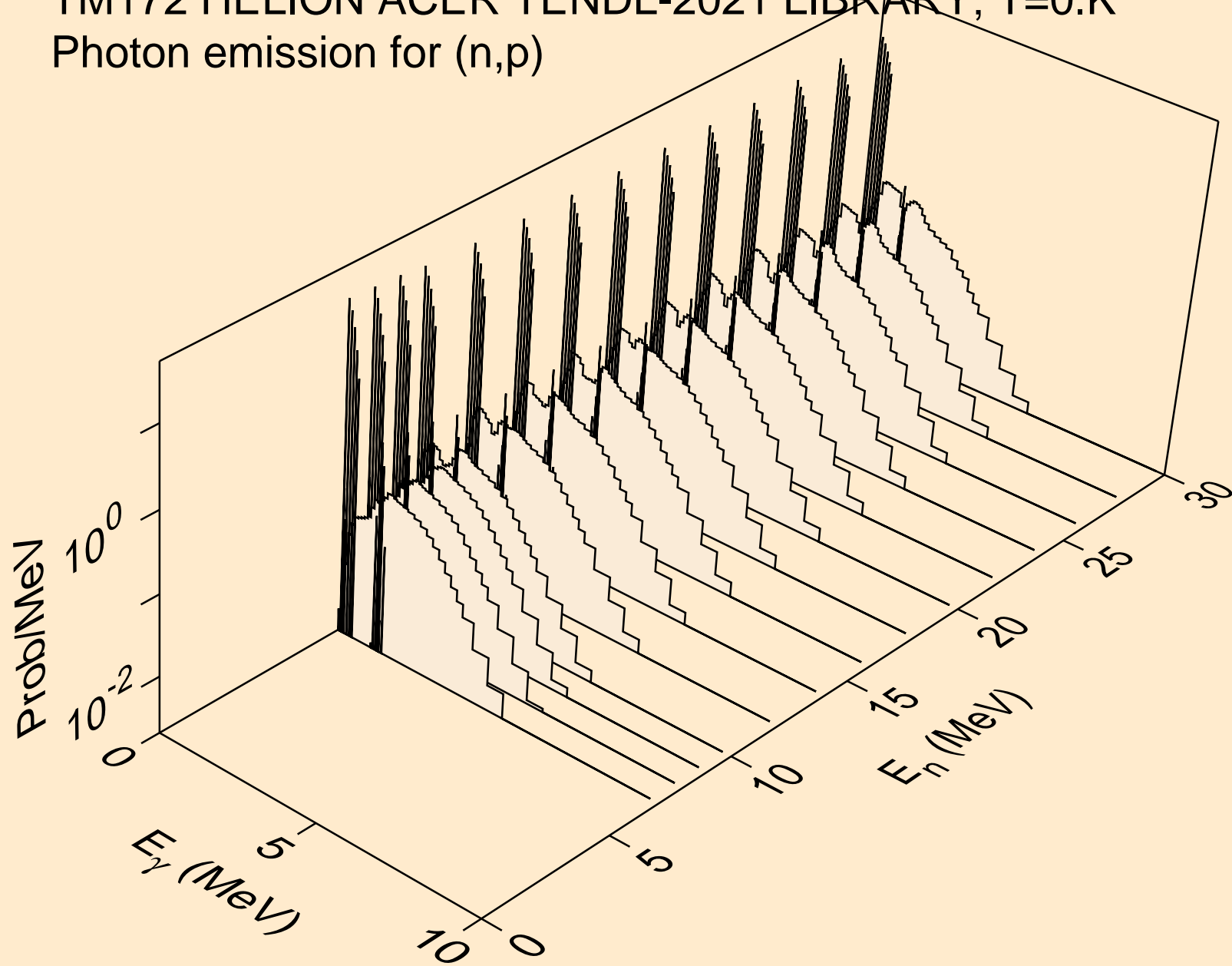
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Photon emission for (n,npa)



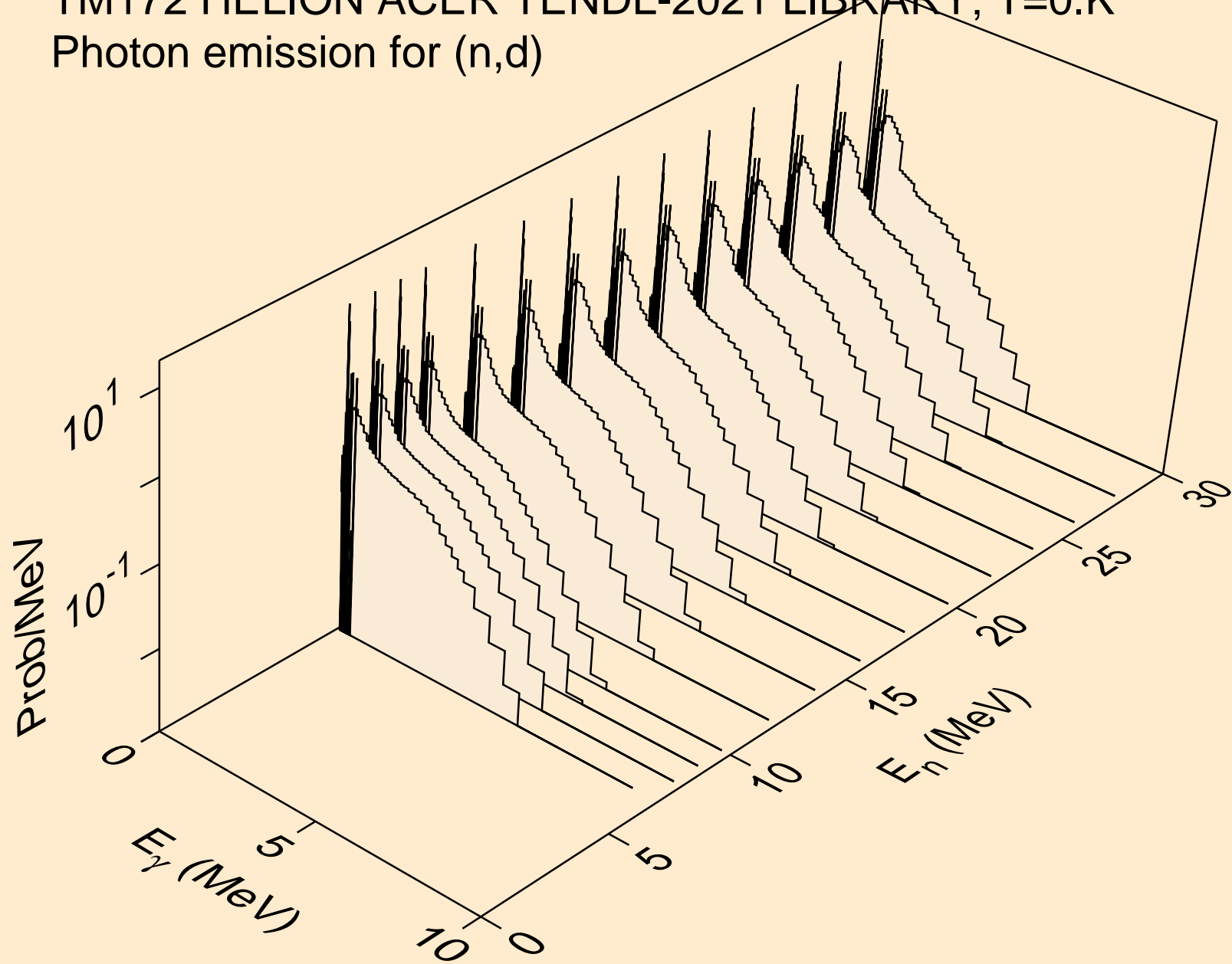
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Photon emission for (n,gma)



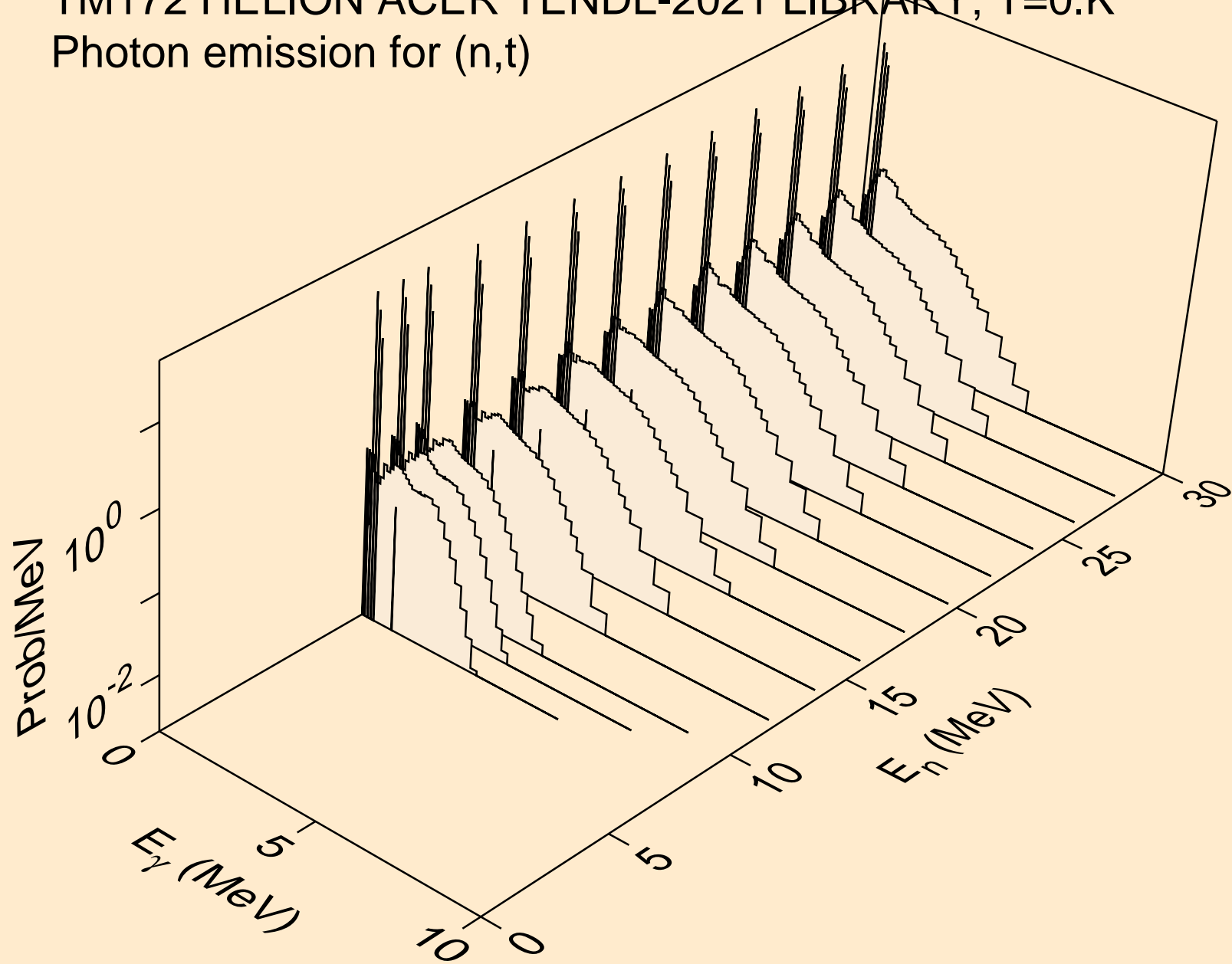
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,p)



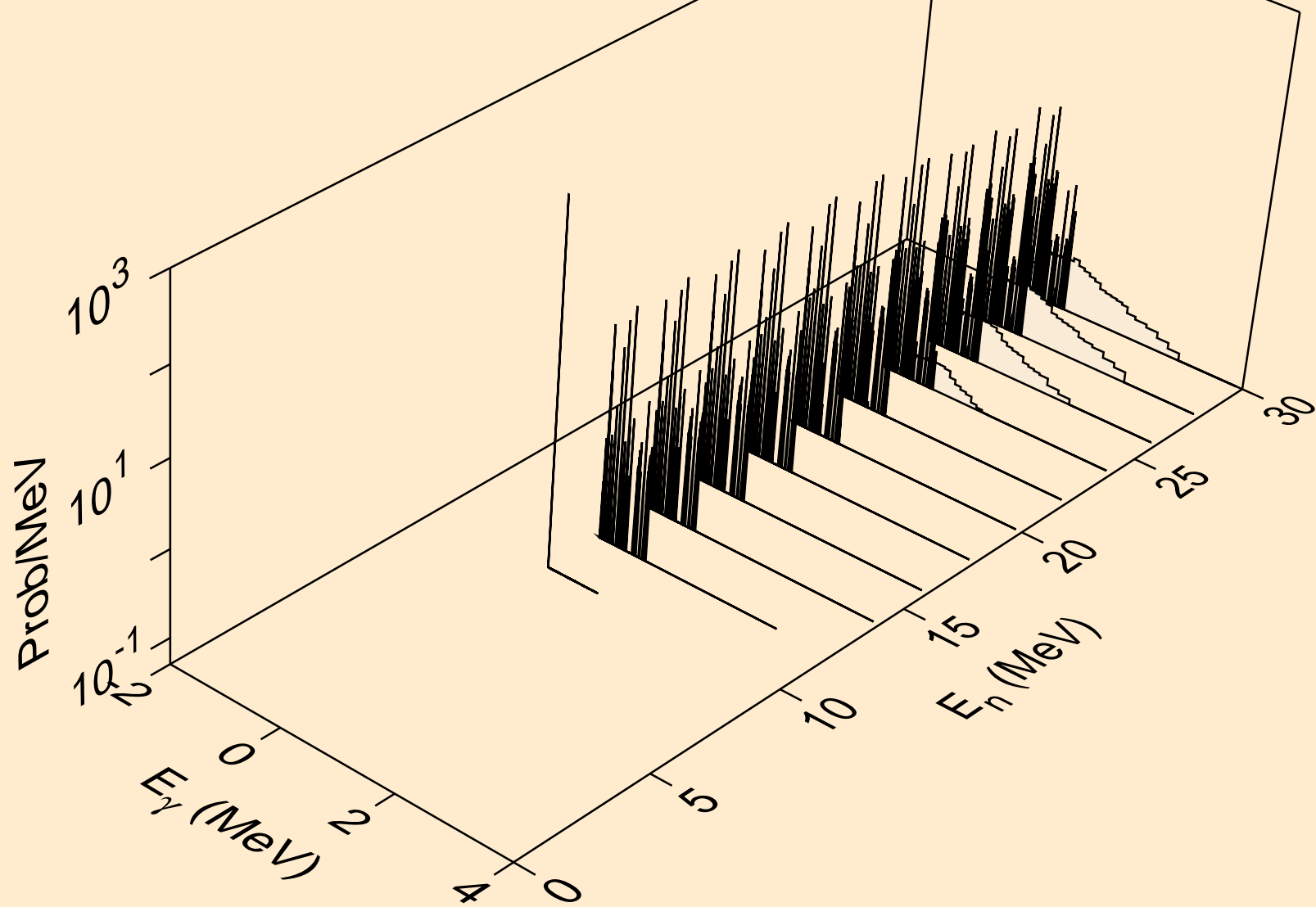
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,d)



TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,t)

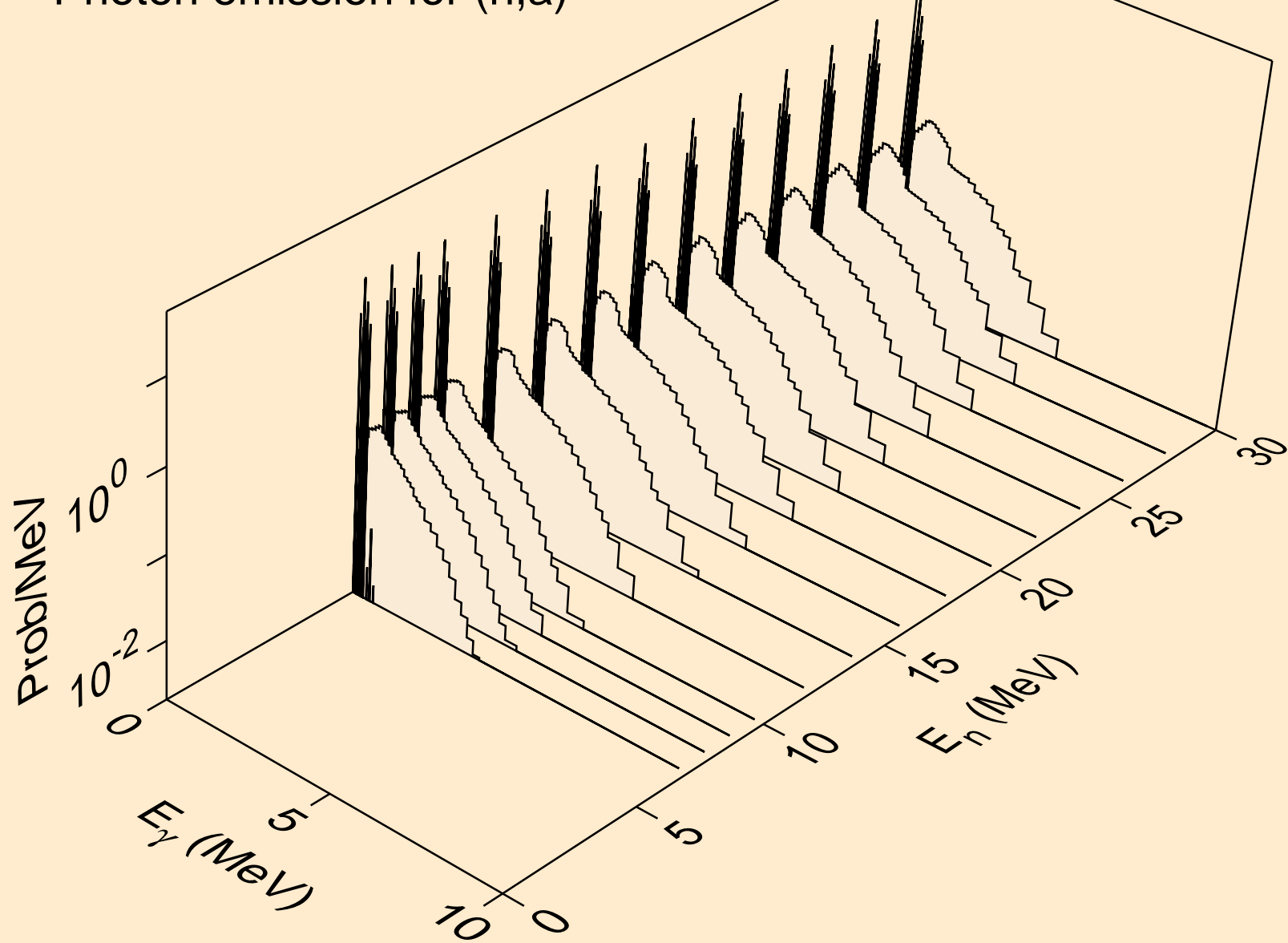


TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic

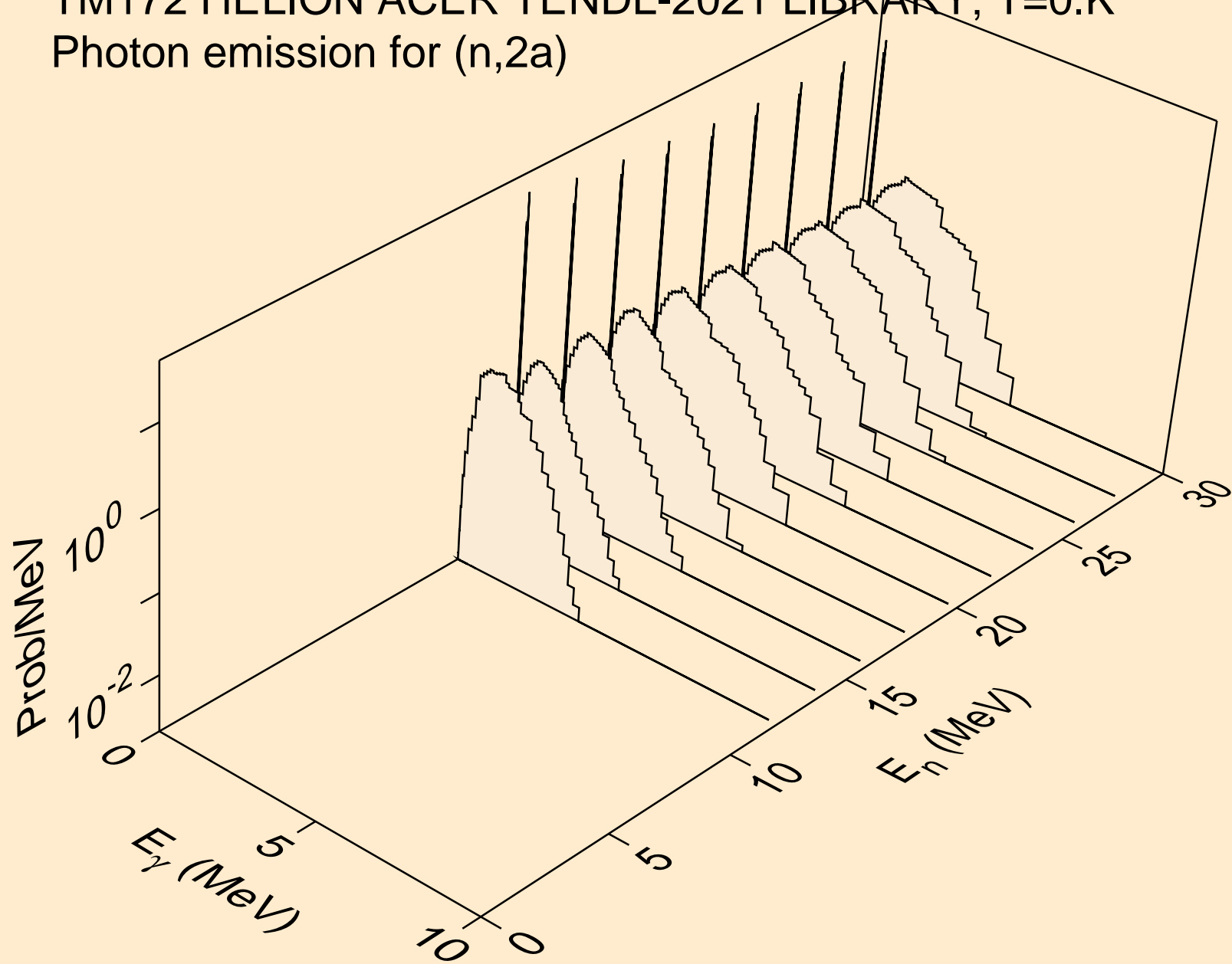




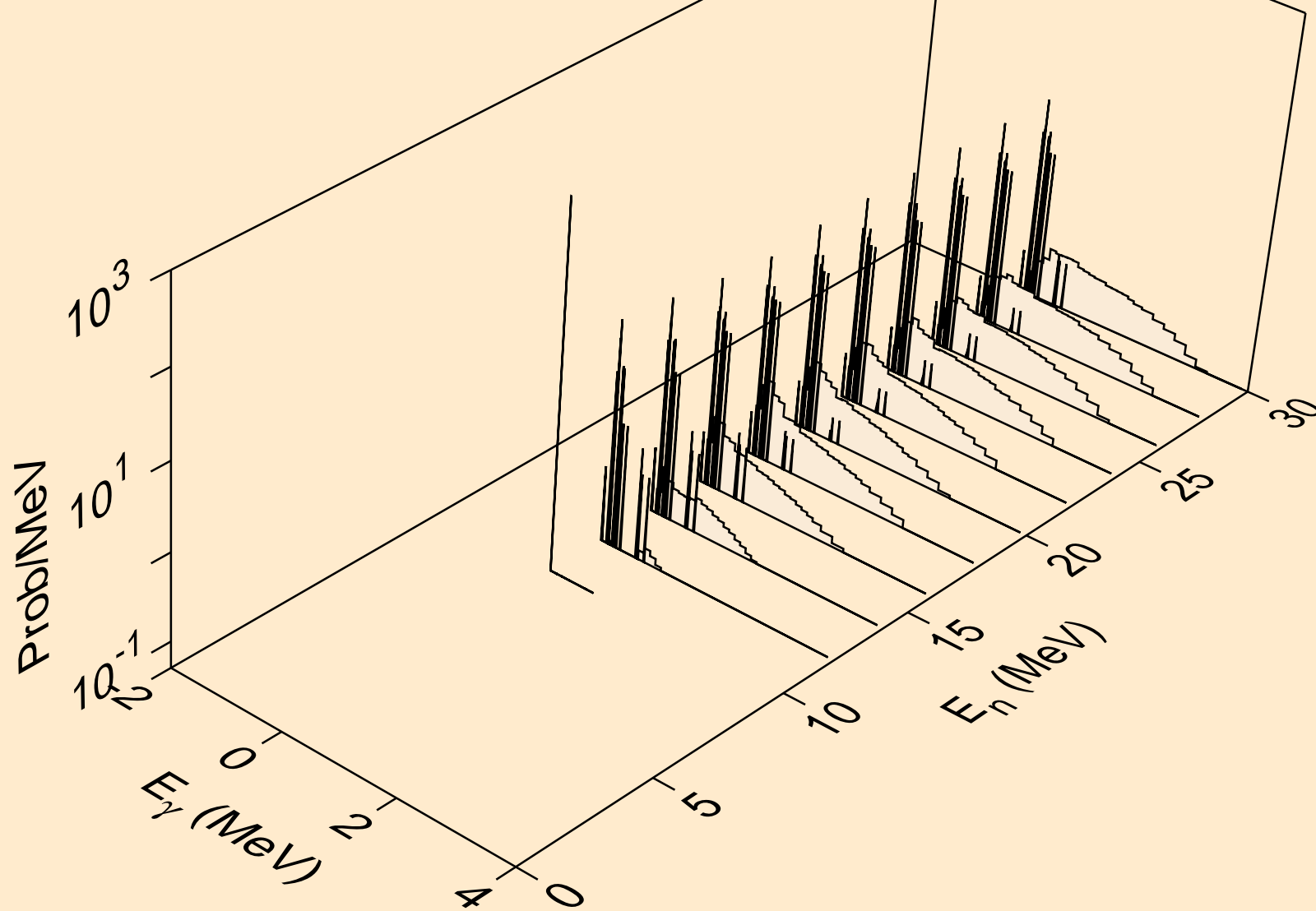
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Photon emission for (n,a)



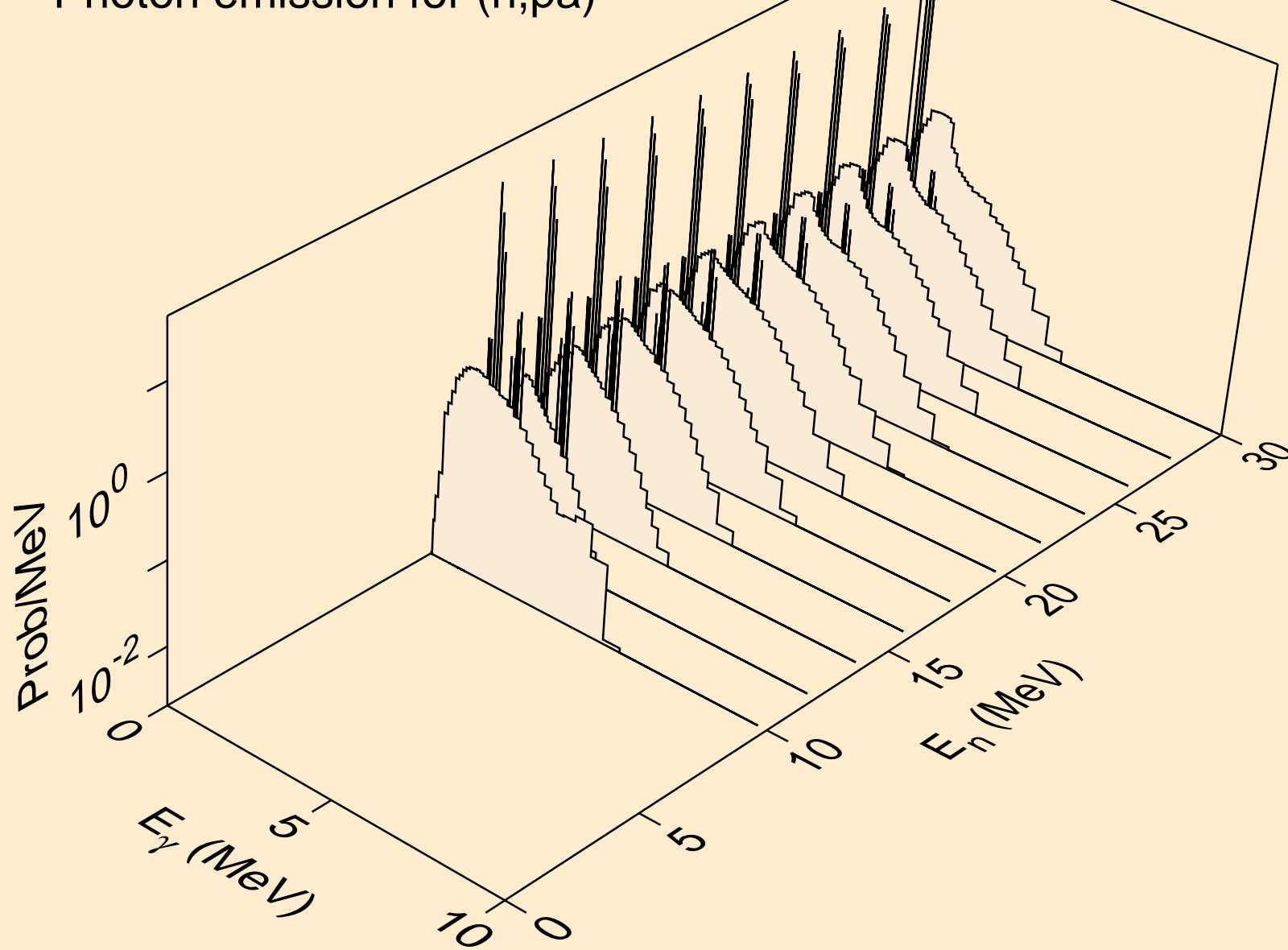
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Photon emission for (n,2a)



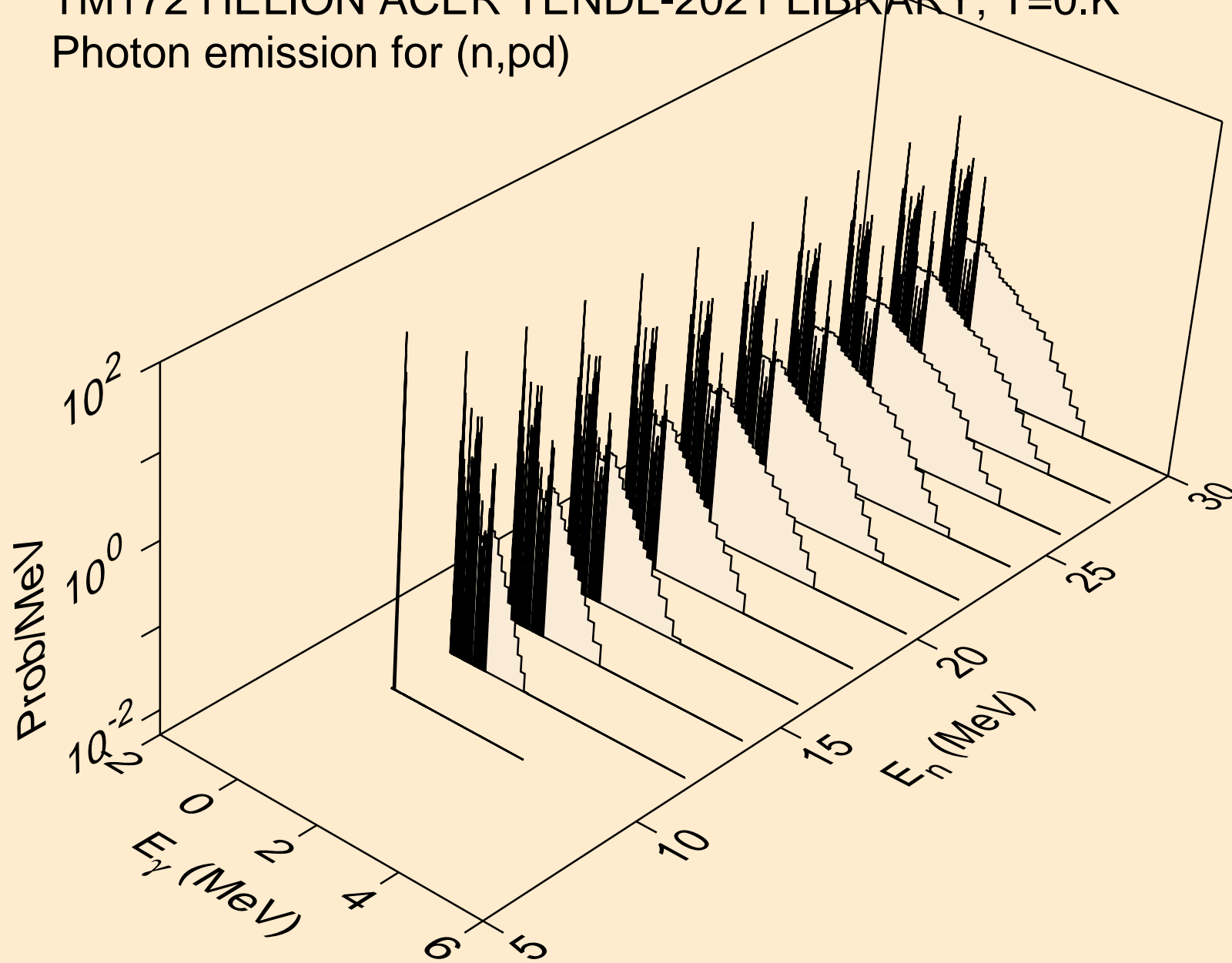
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Photon emission for (n,2p)



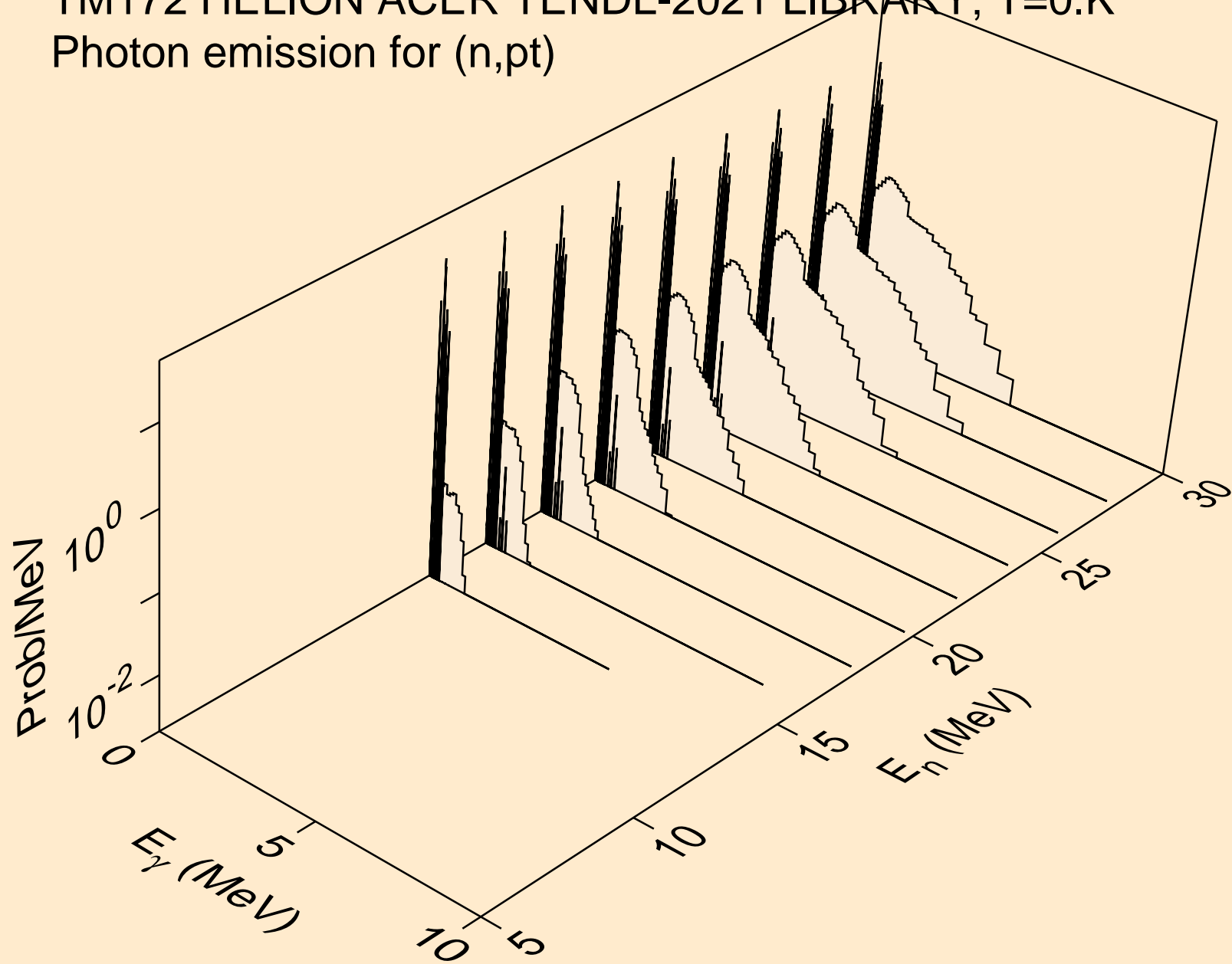
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Photon emission for (n,pa)



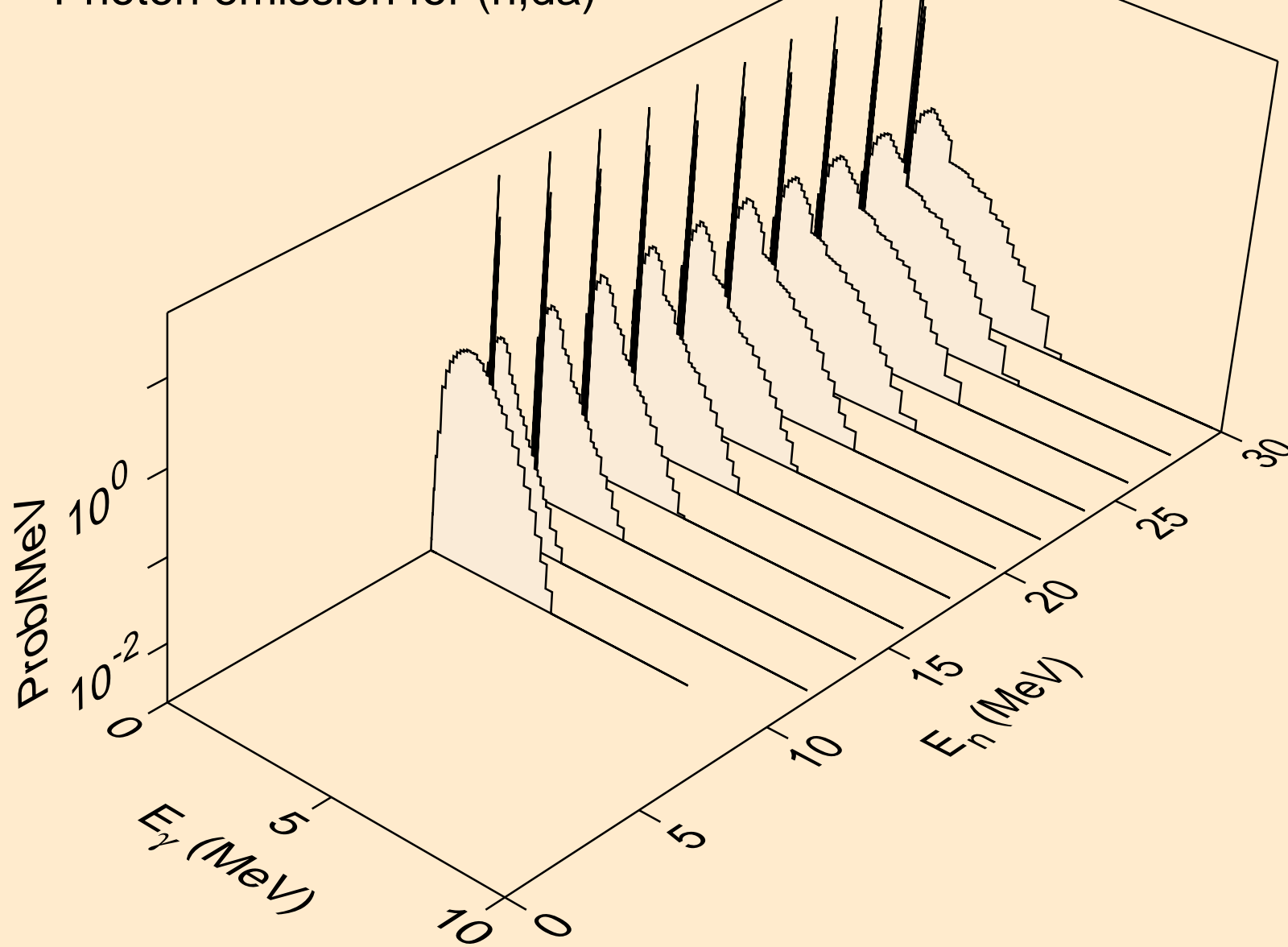
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pd)



TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pt)

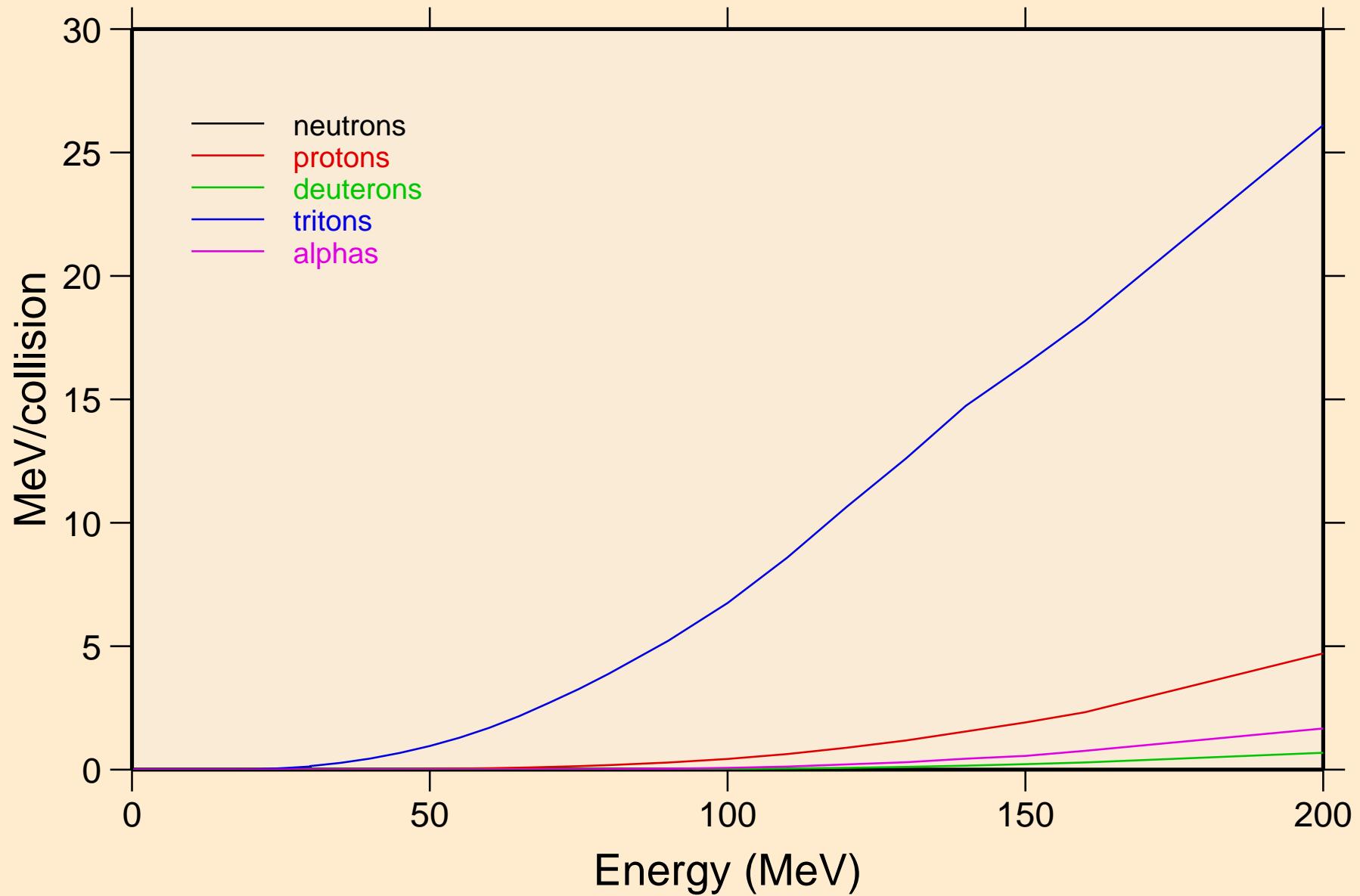


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Photon emission for (n,da)



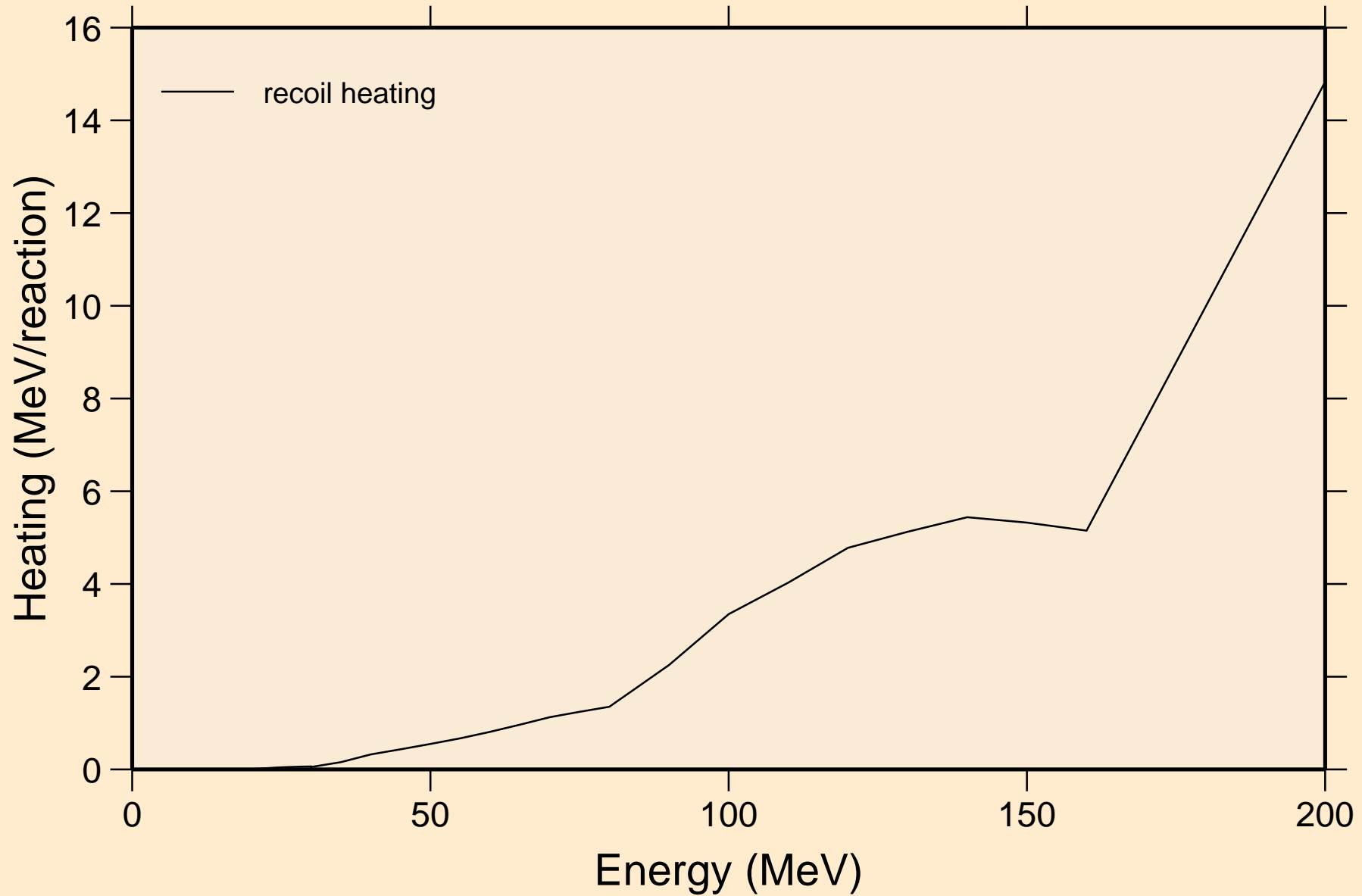
# TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Particle heating contributions

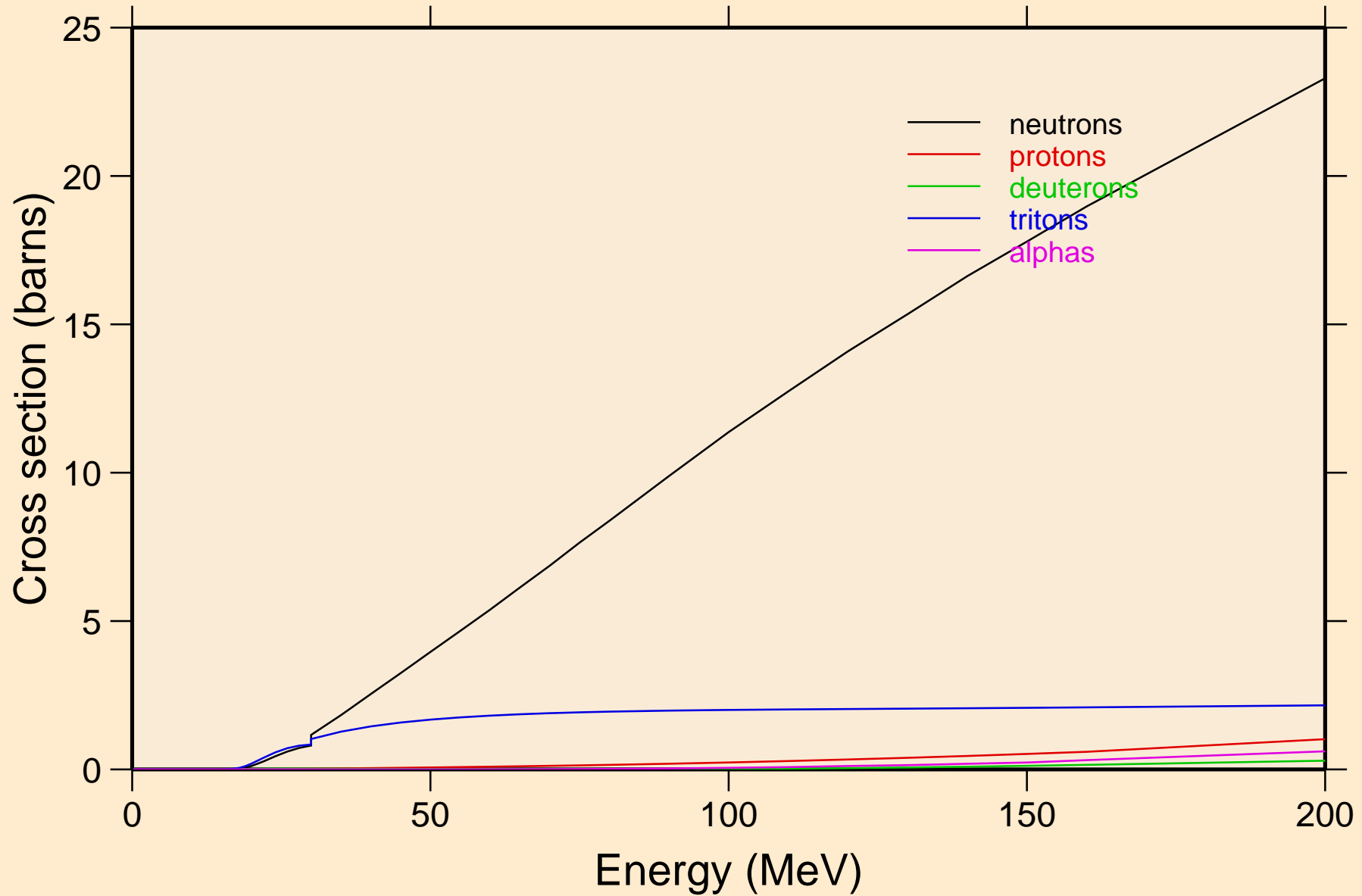




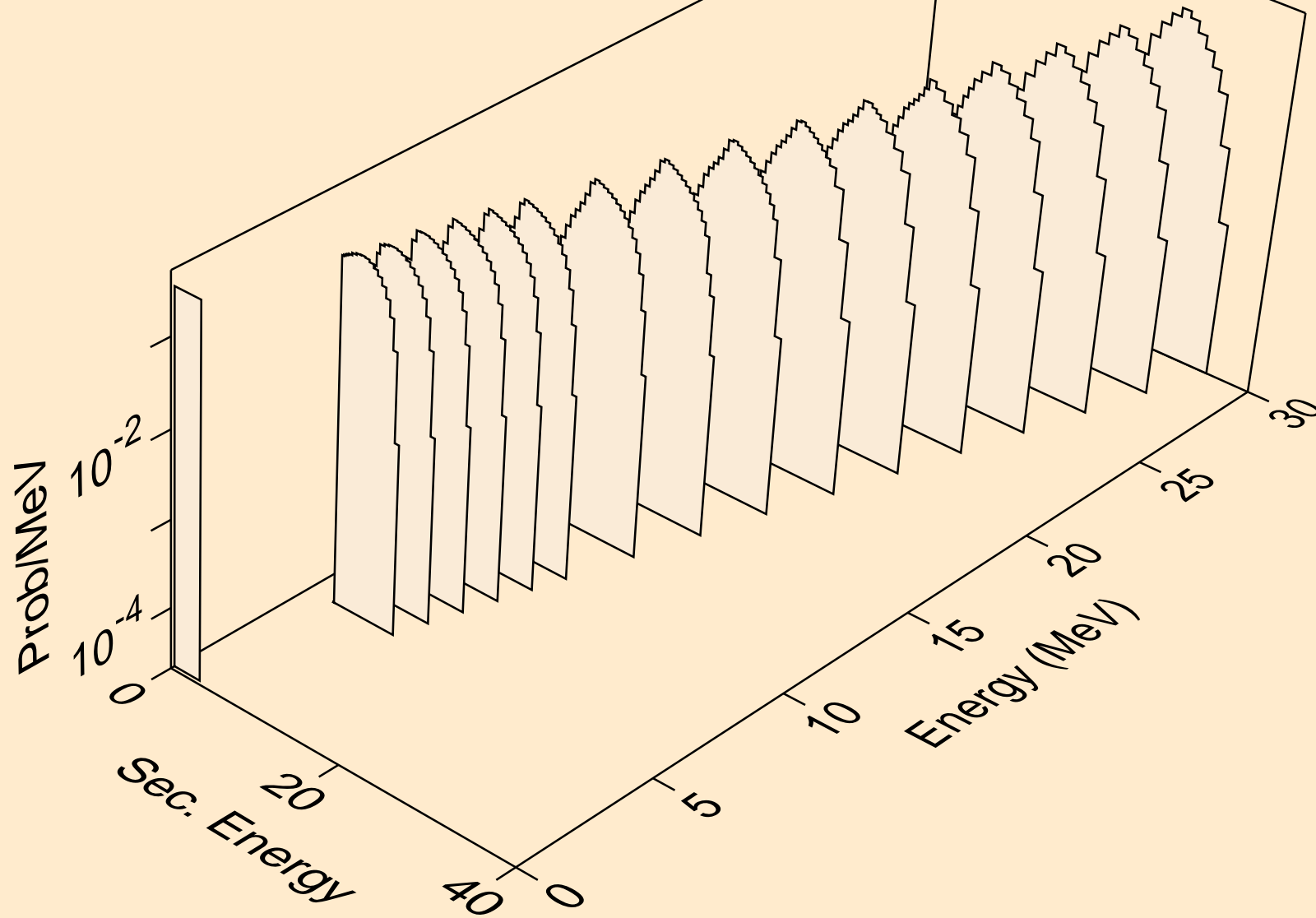
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Recoil Heating



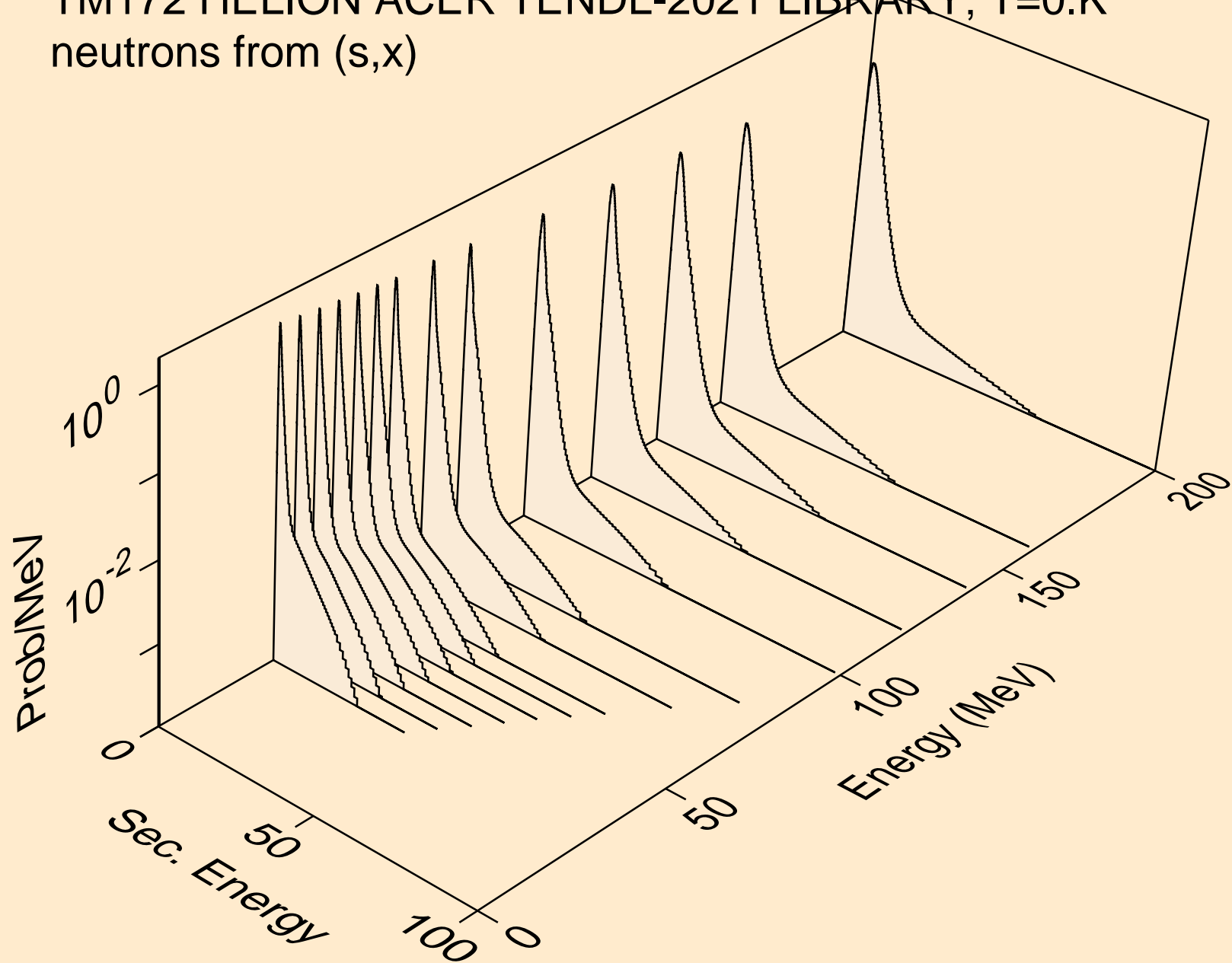
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Particle production cross sections



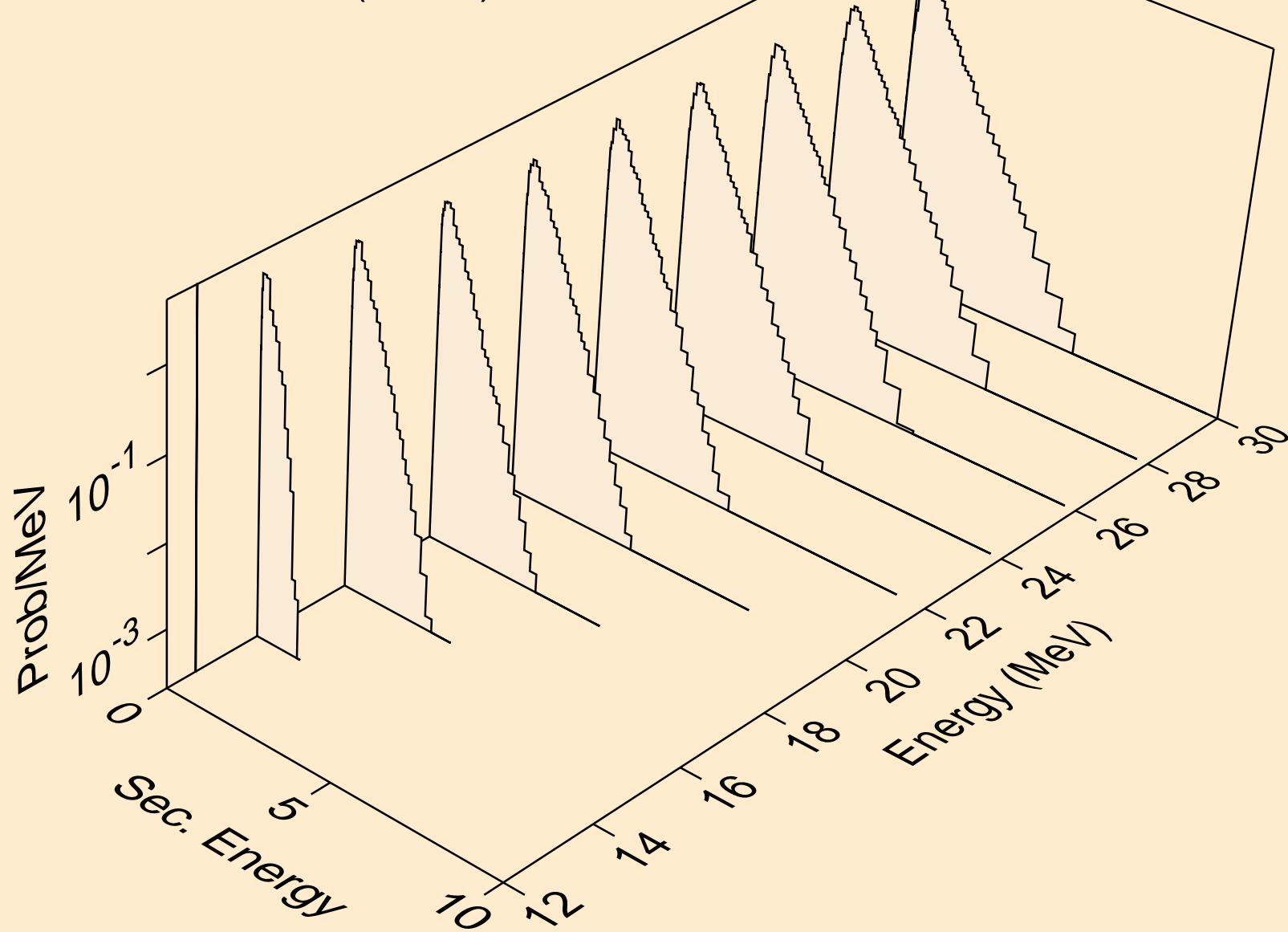
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n)



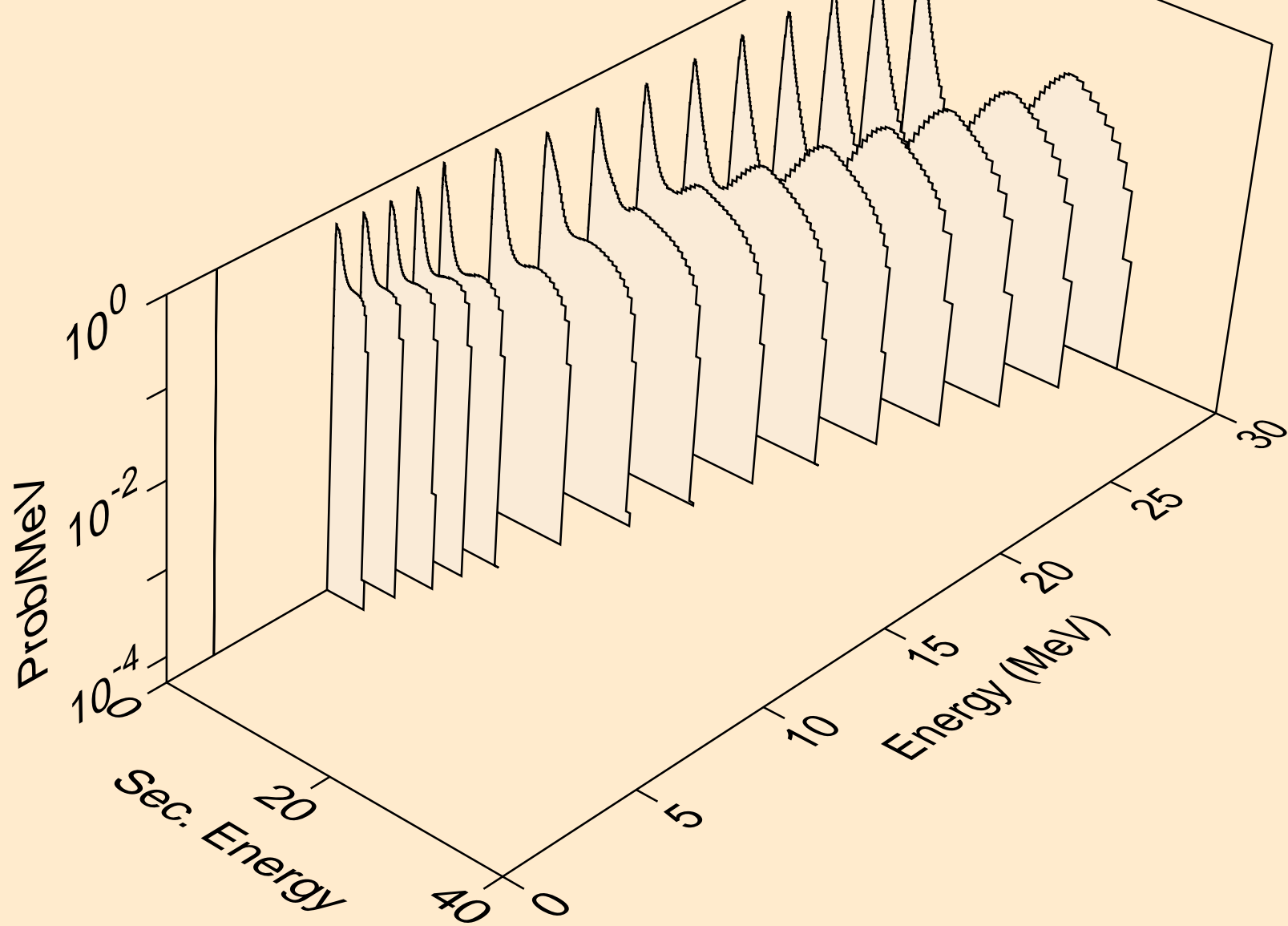
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,x)



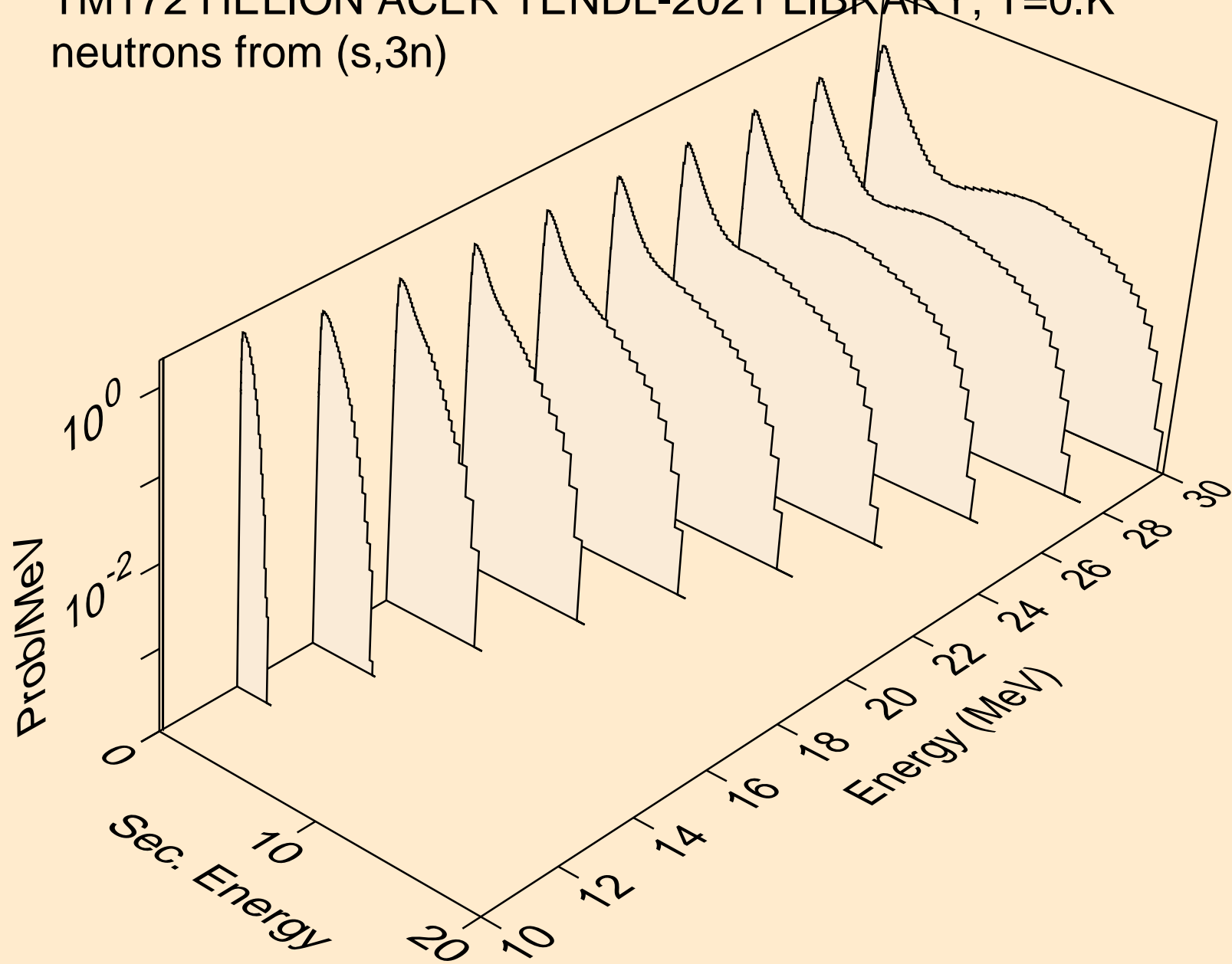
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neutrons from (s,2nd)



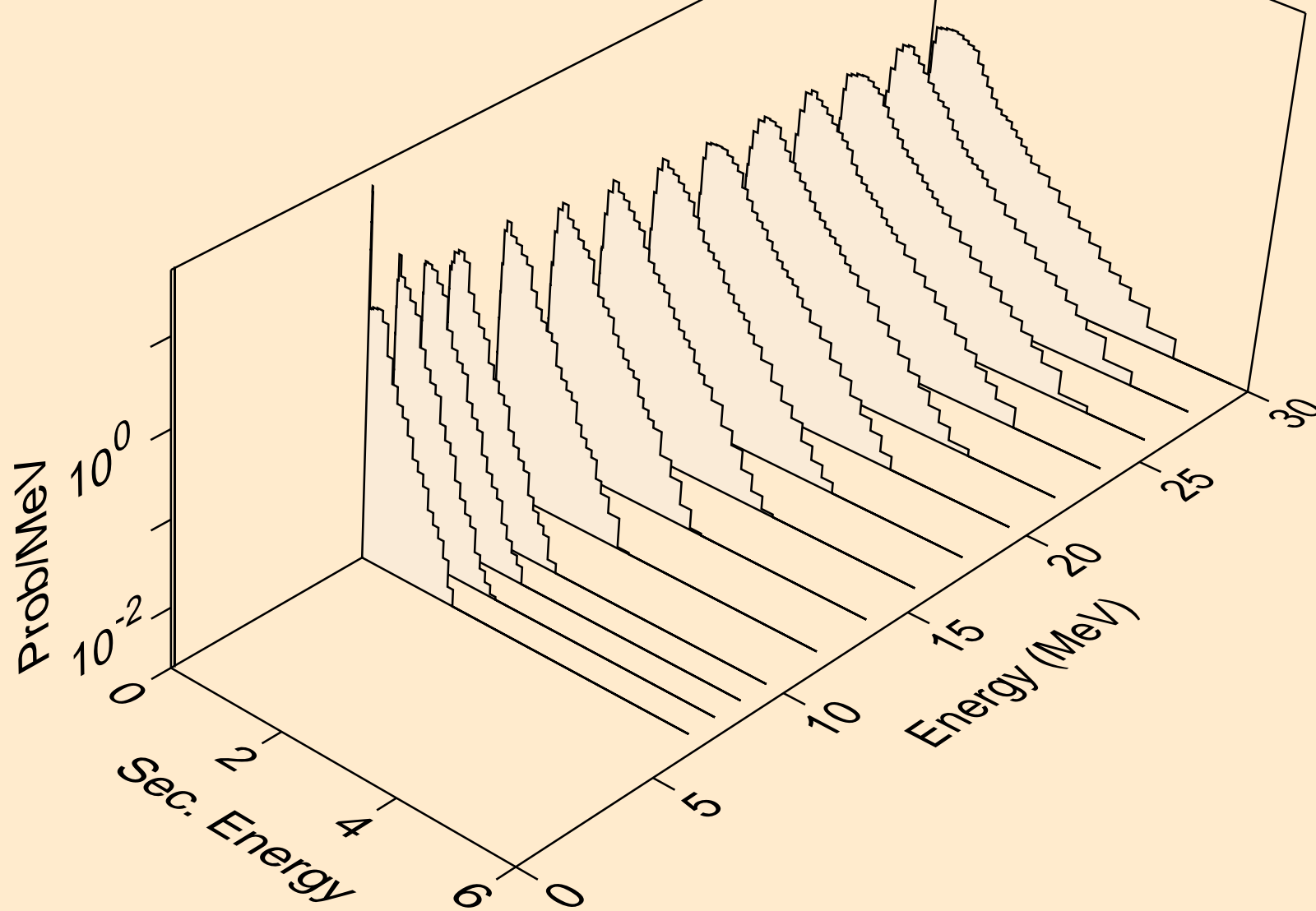
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2n)



TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,3n)

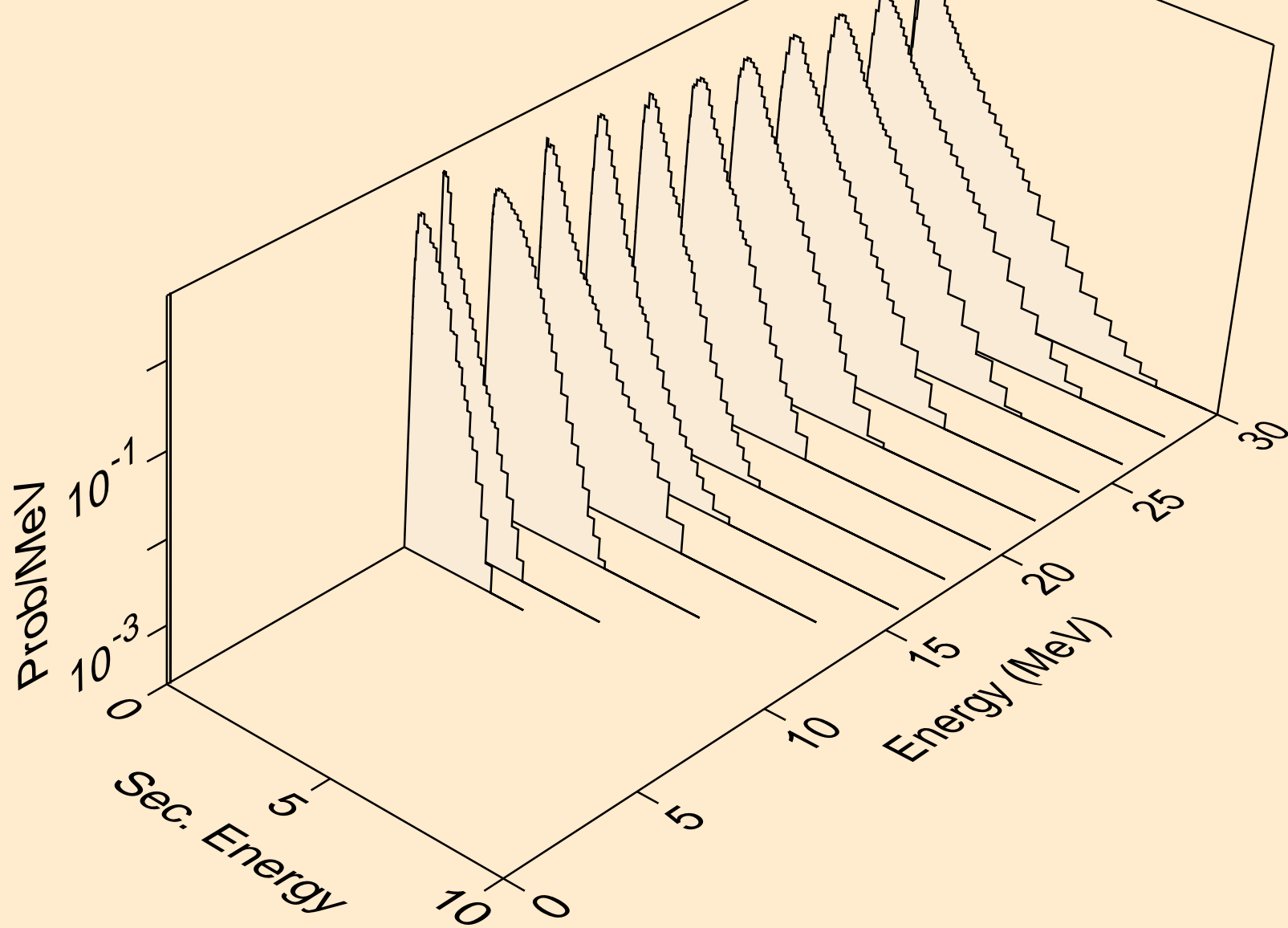


TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)a

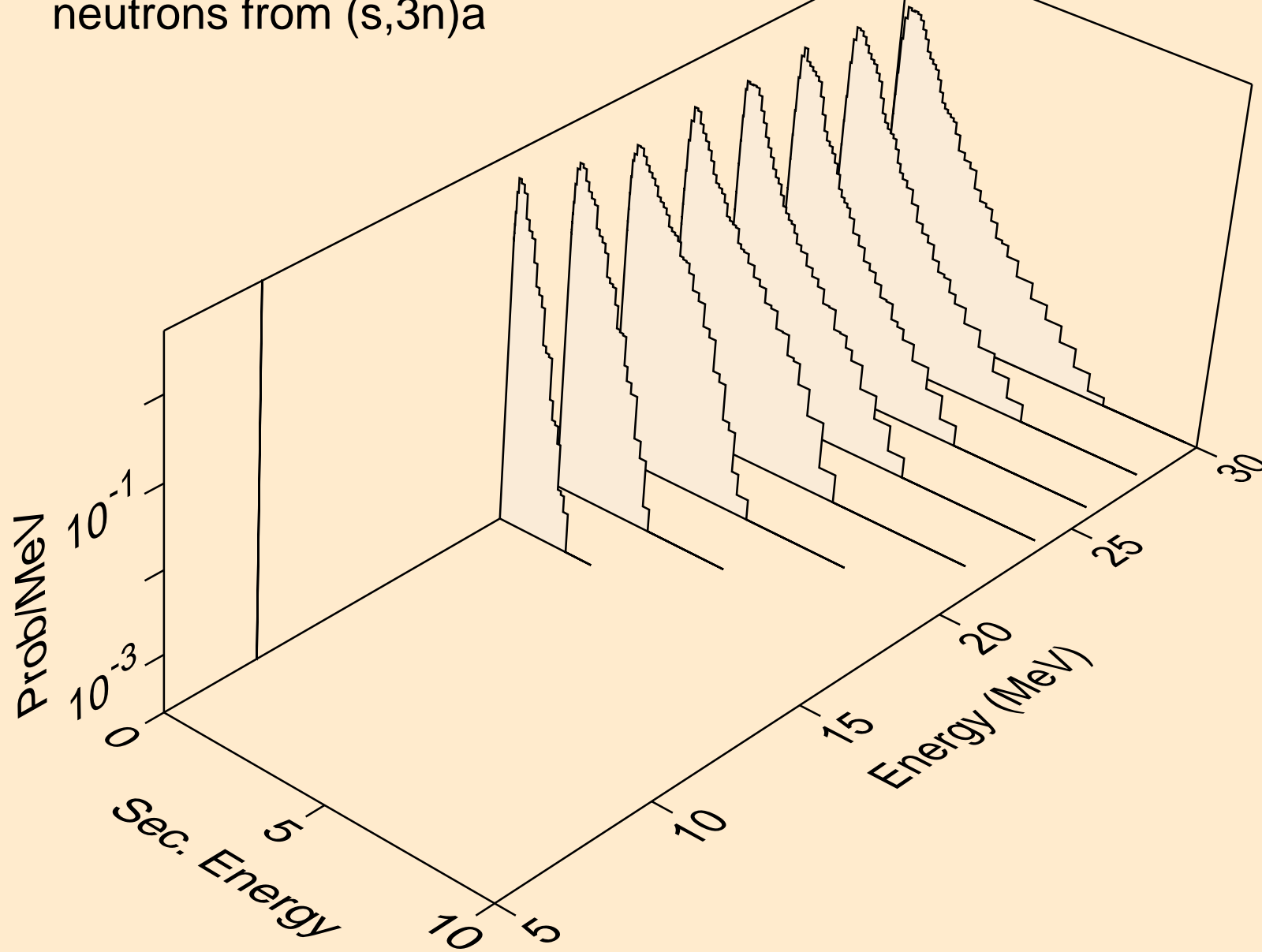




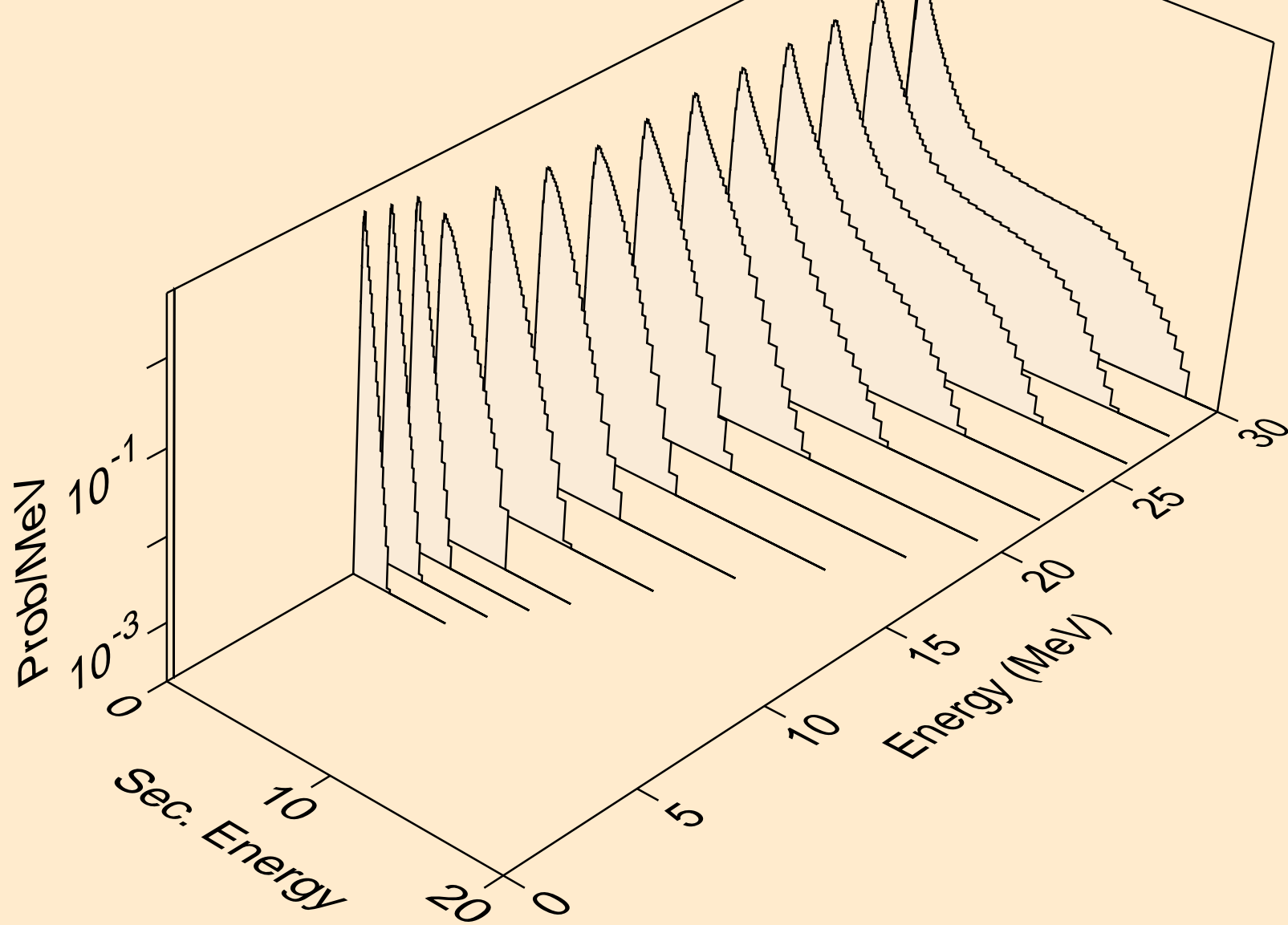
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2n)a



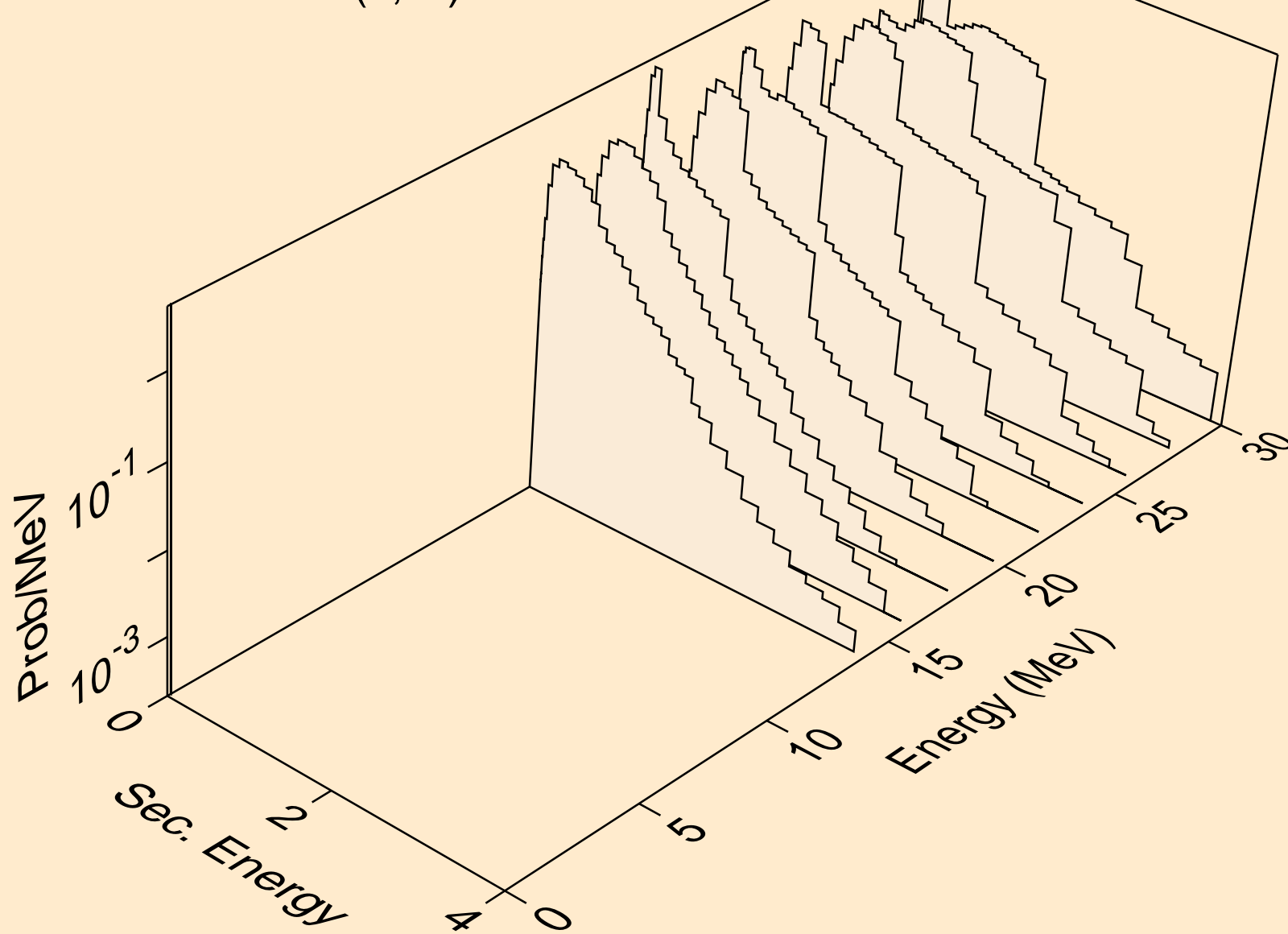
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neutrons from (s,3n)a



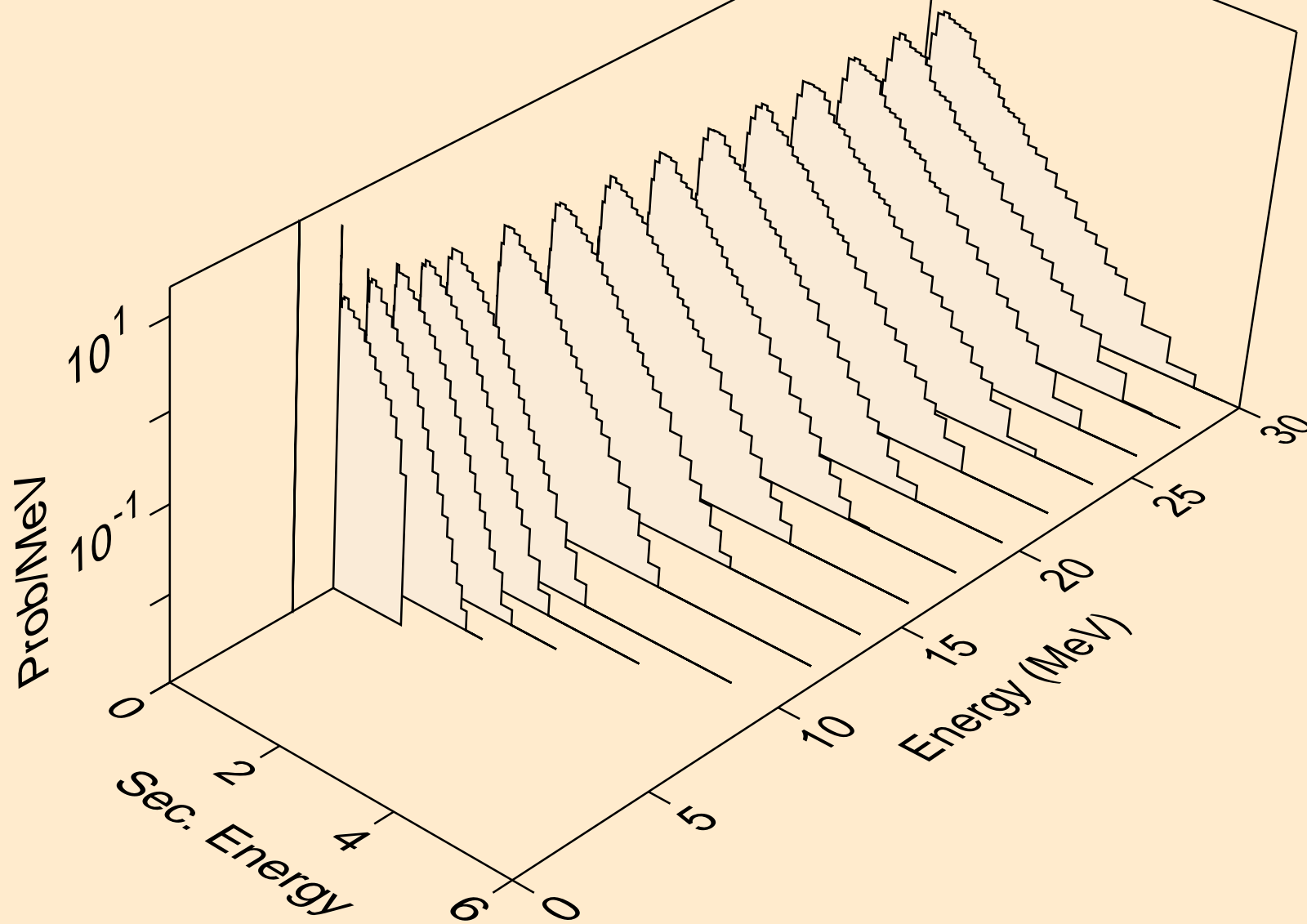
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neutrons from (s,n\*)p



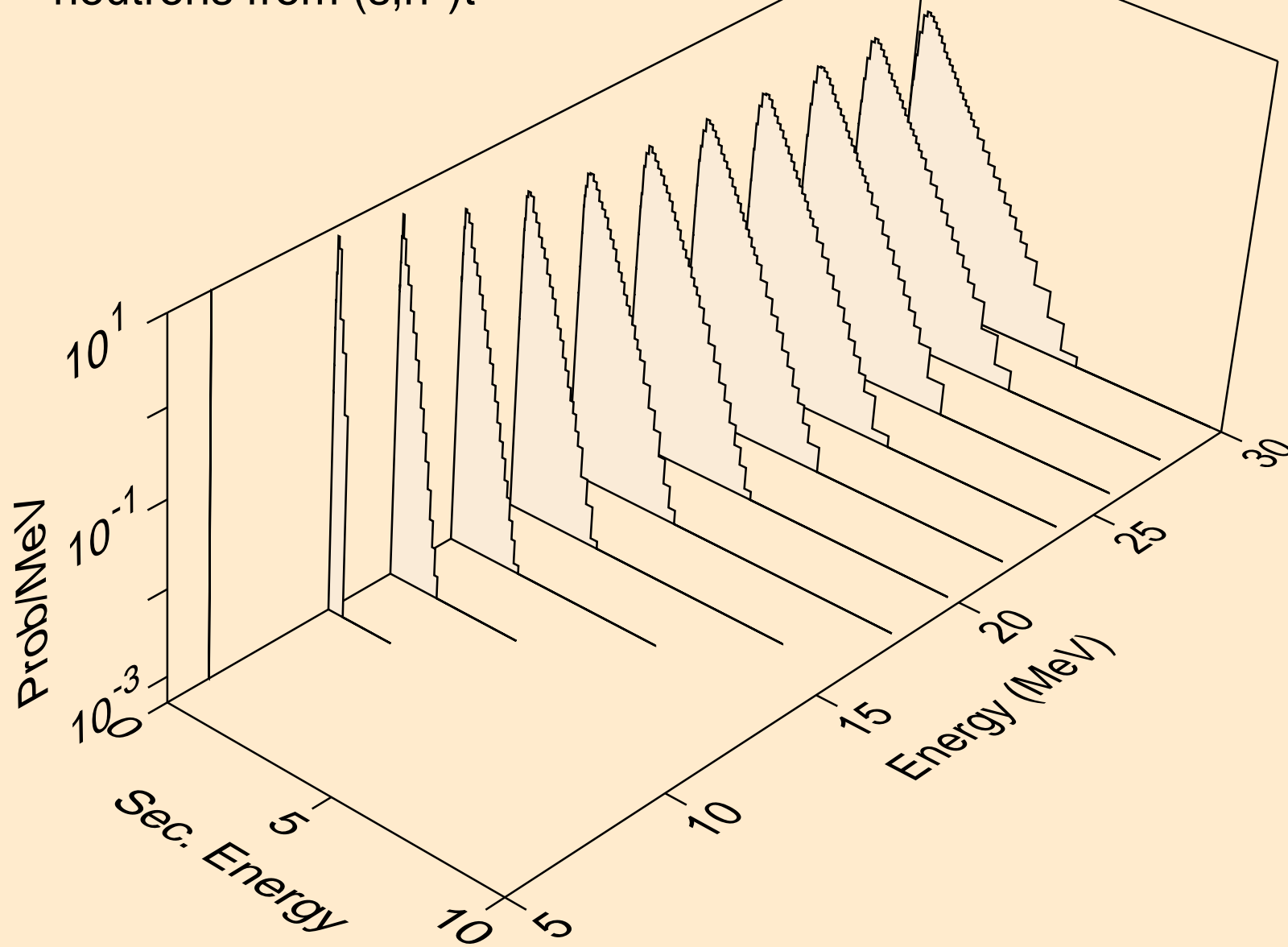
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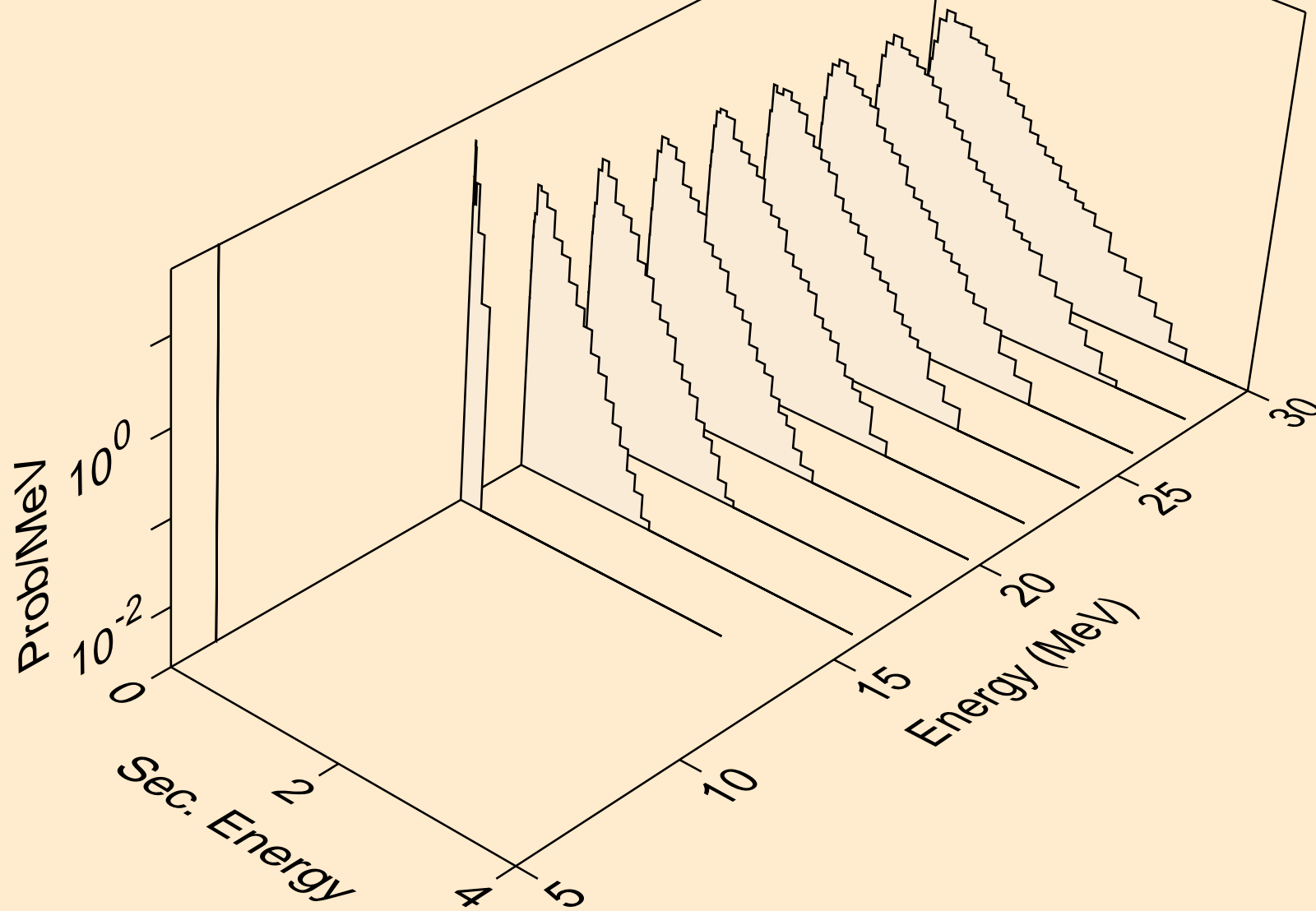
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neutrons from (s,n\*)d



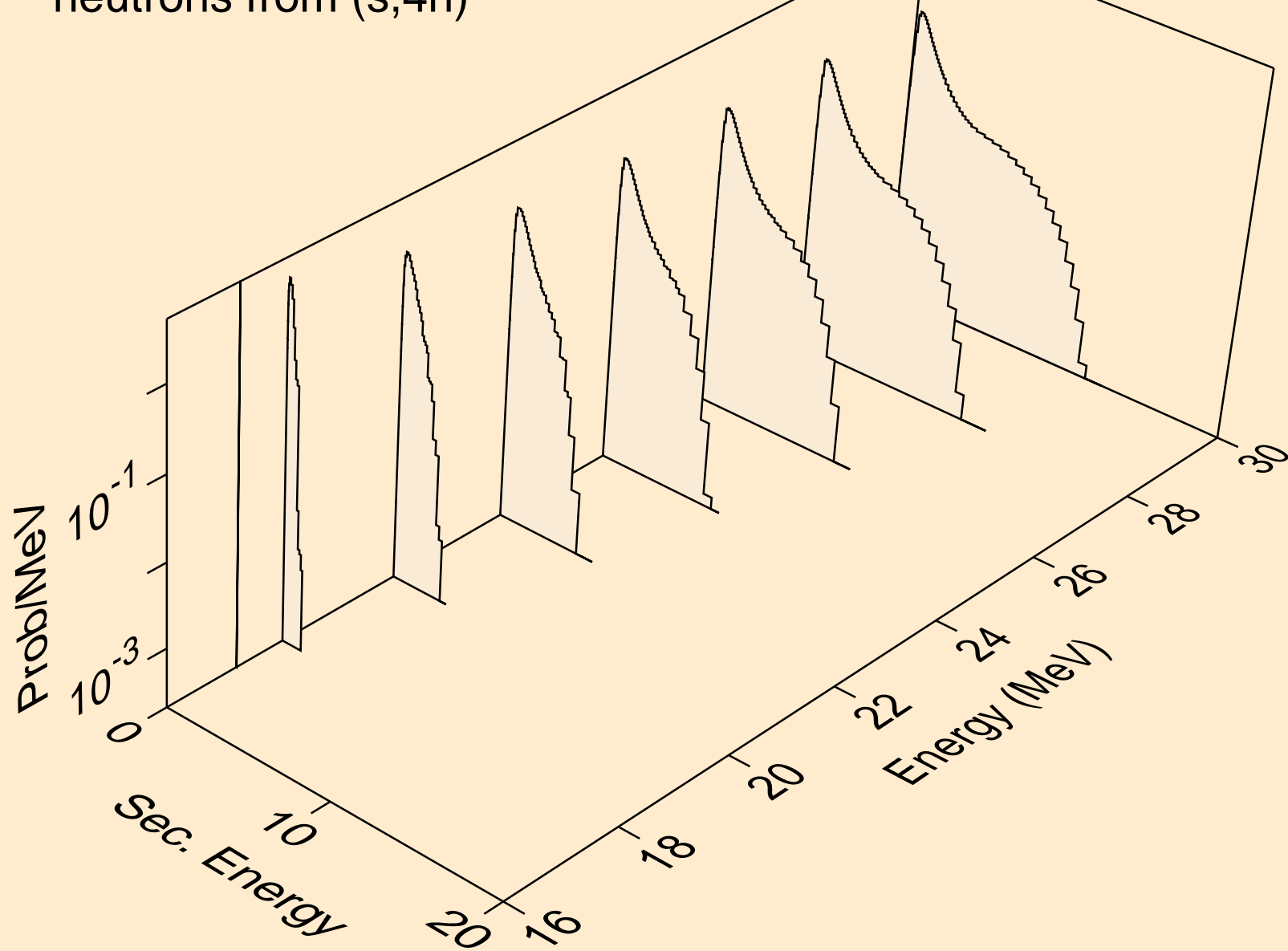
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)t



TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)he3

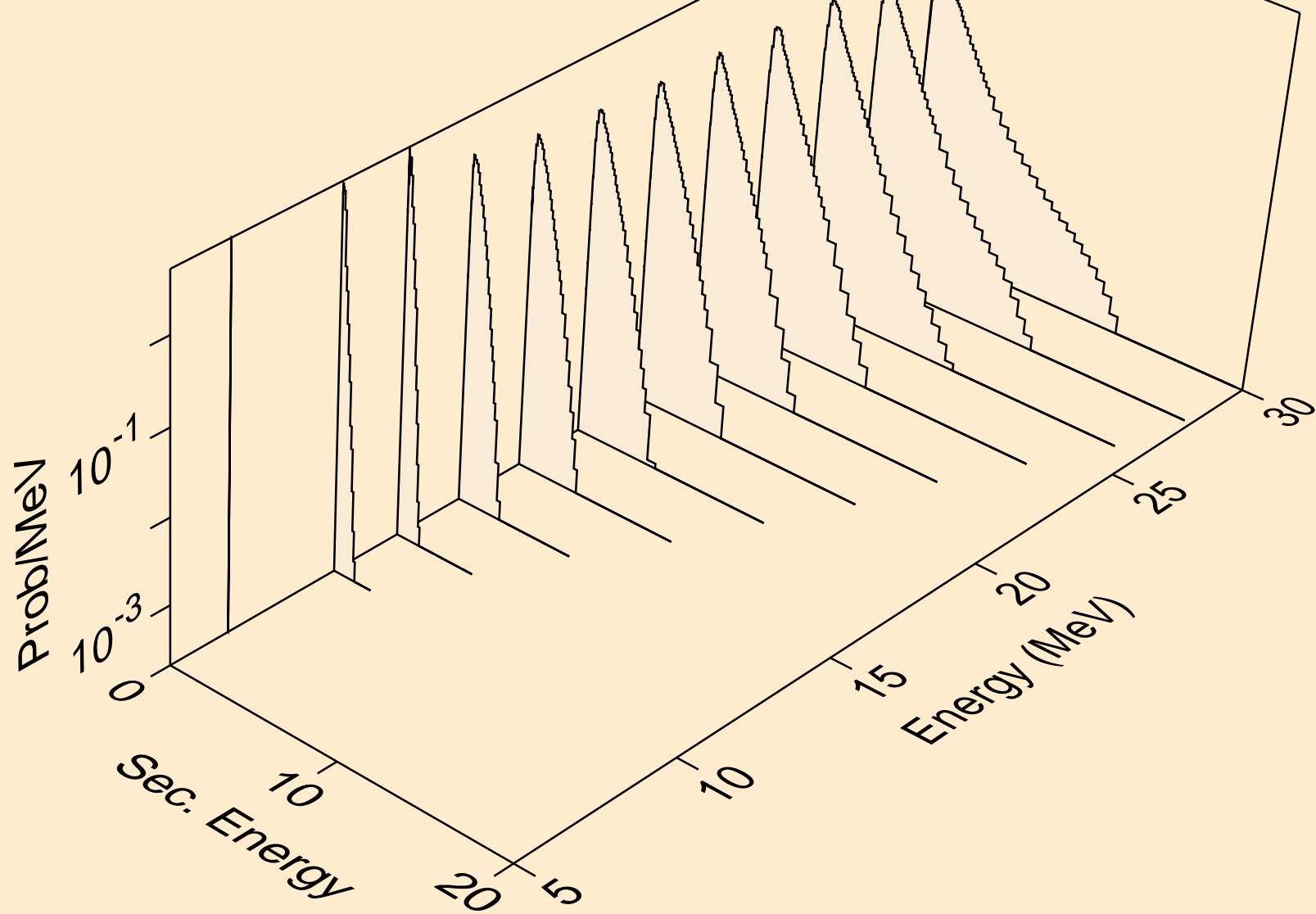


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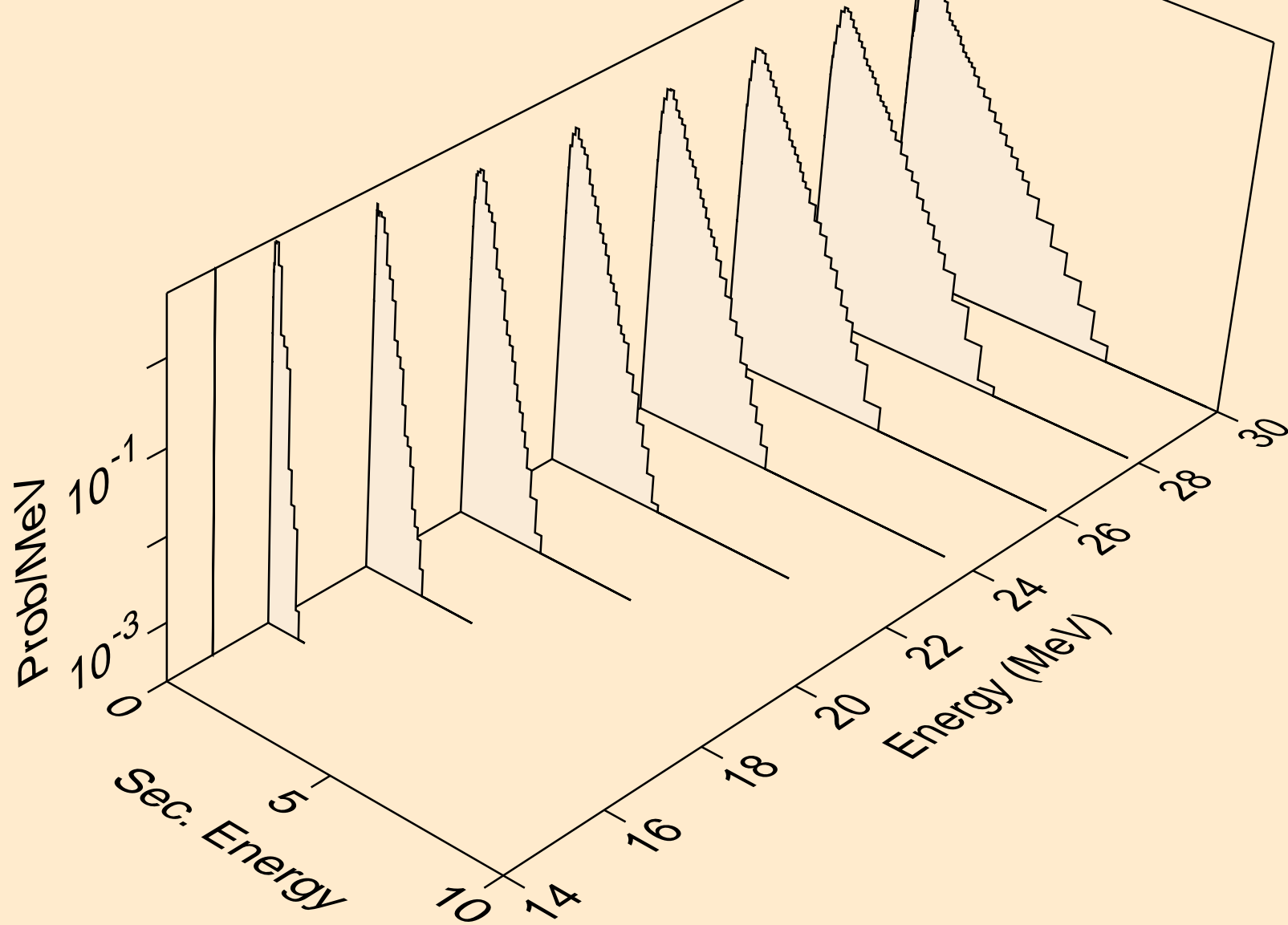




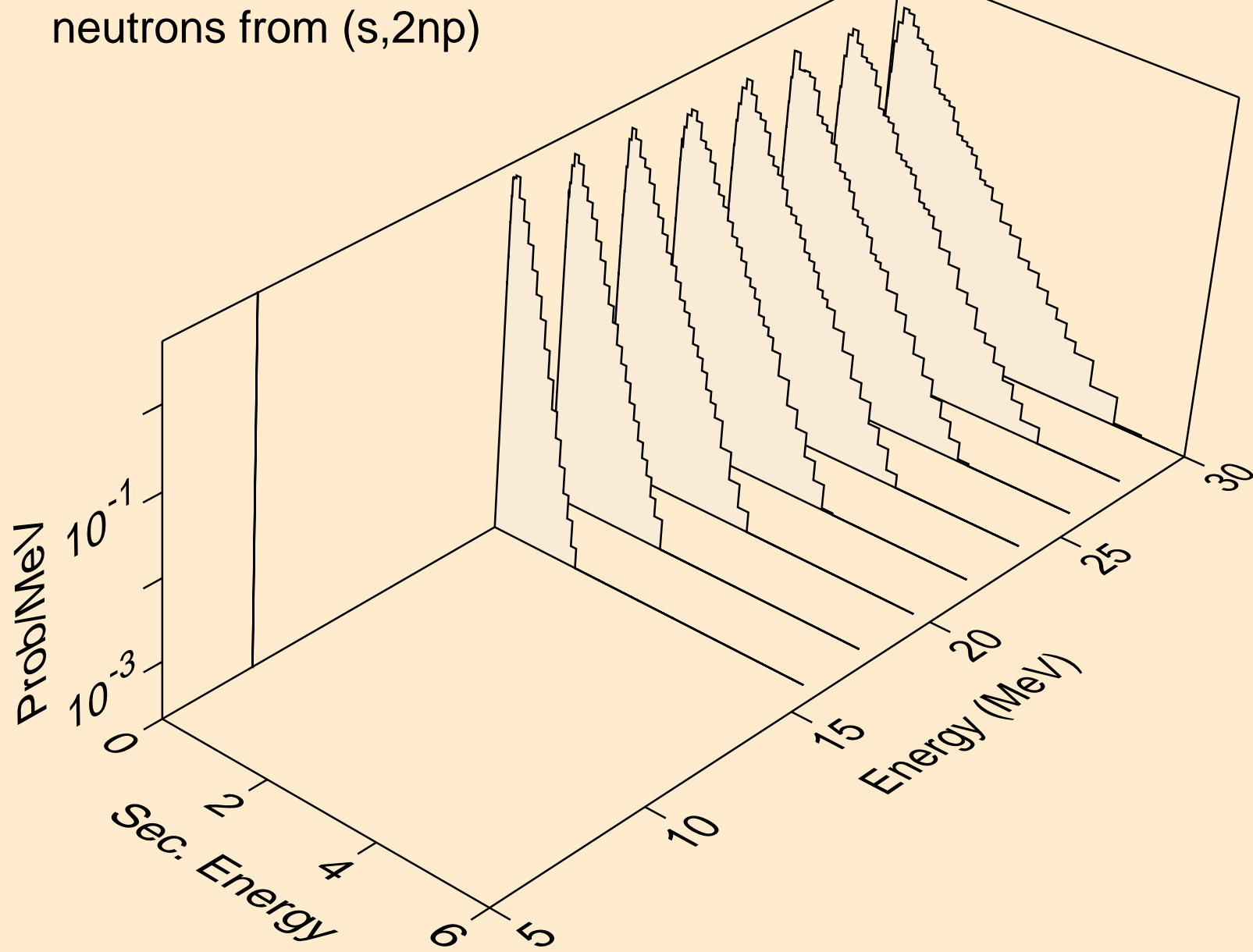
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neutrons from (s,2np)



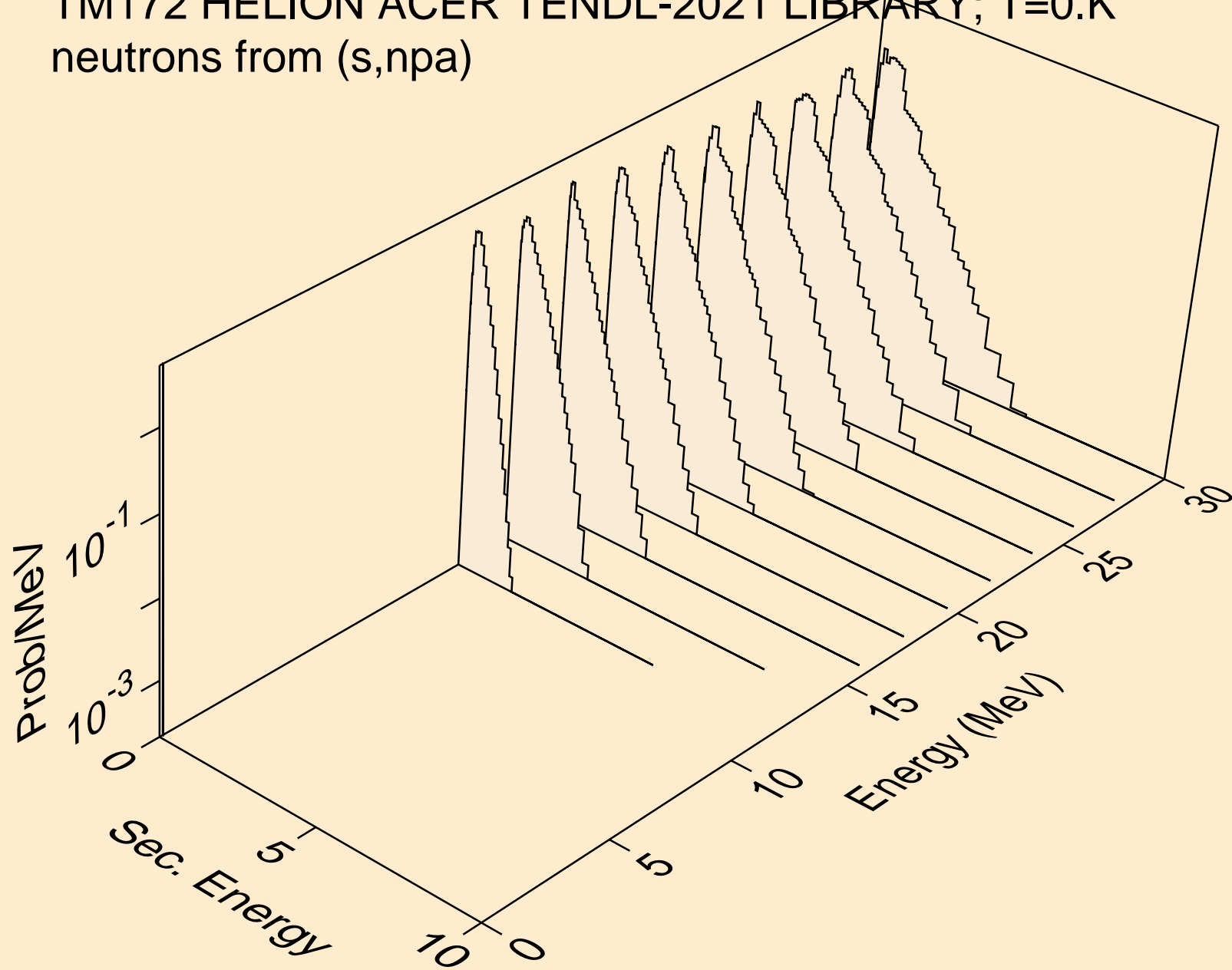
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neutrons from (s,3np)



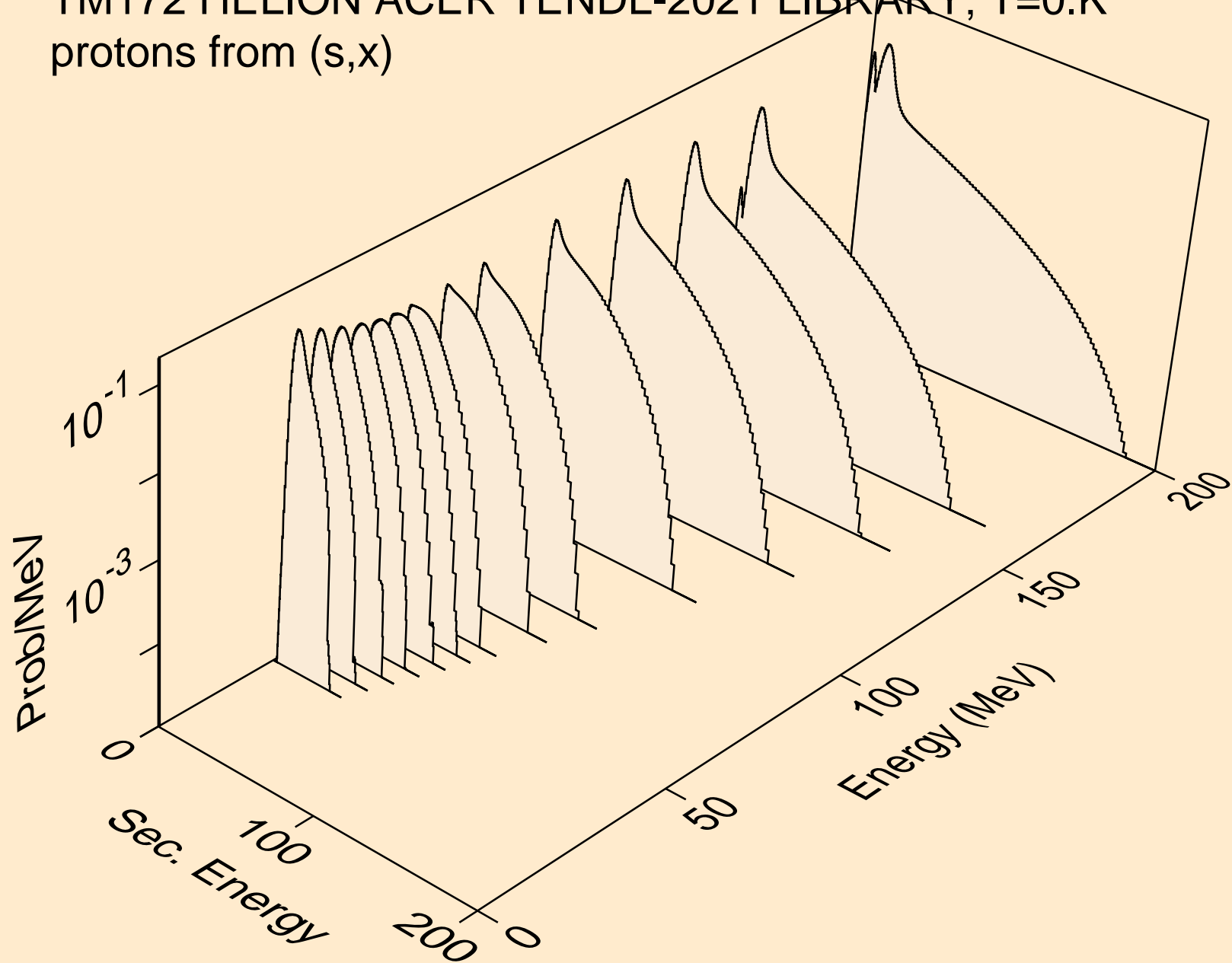
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2np)



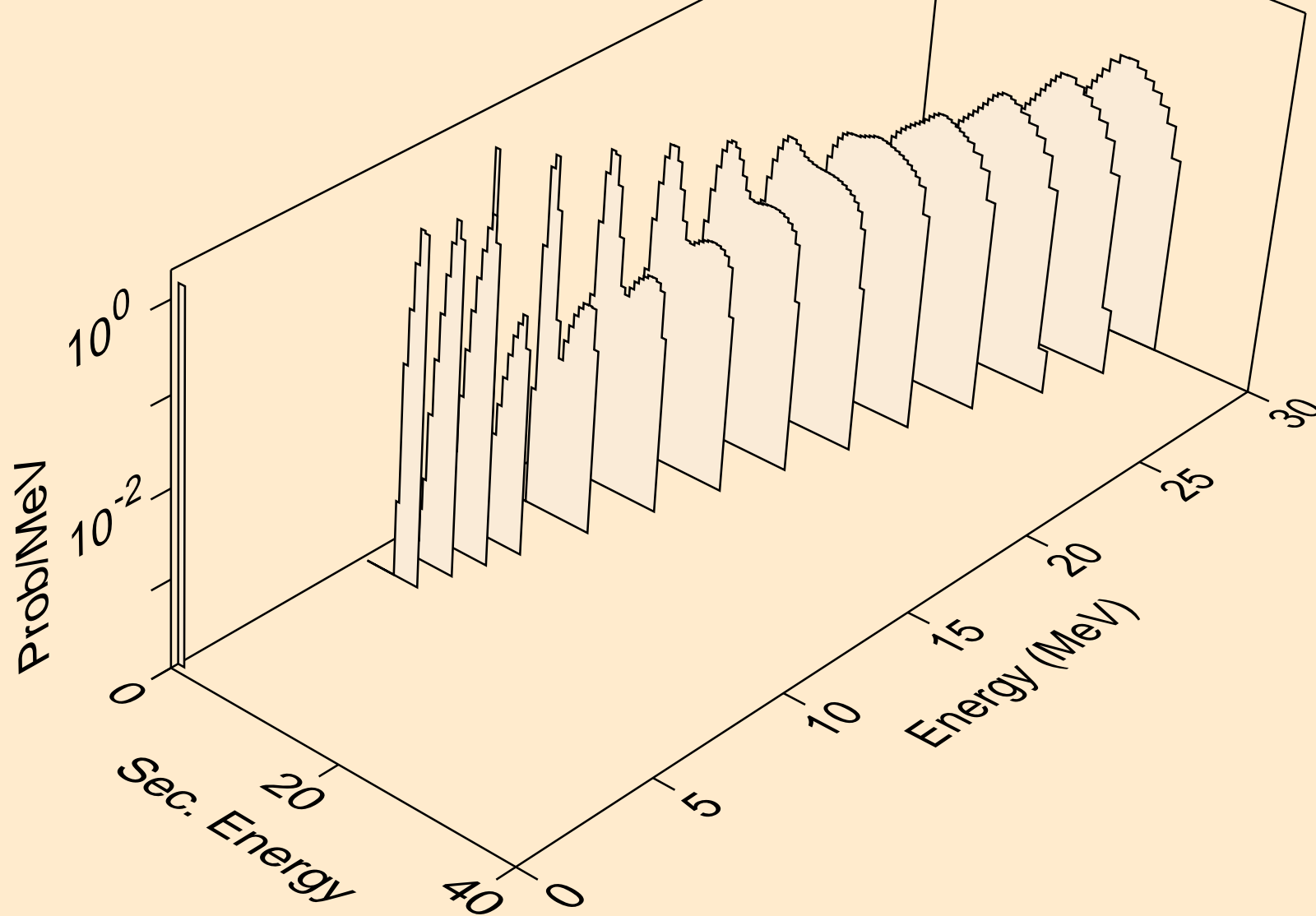
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,npa)



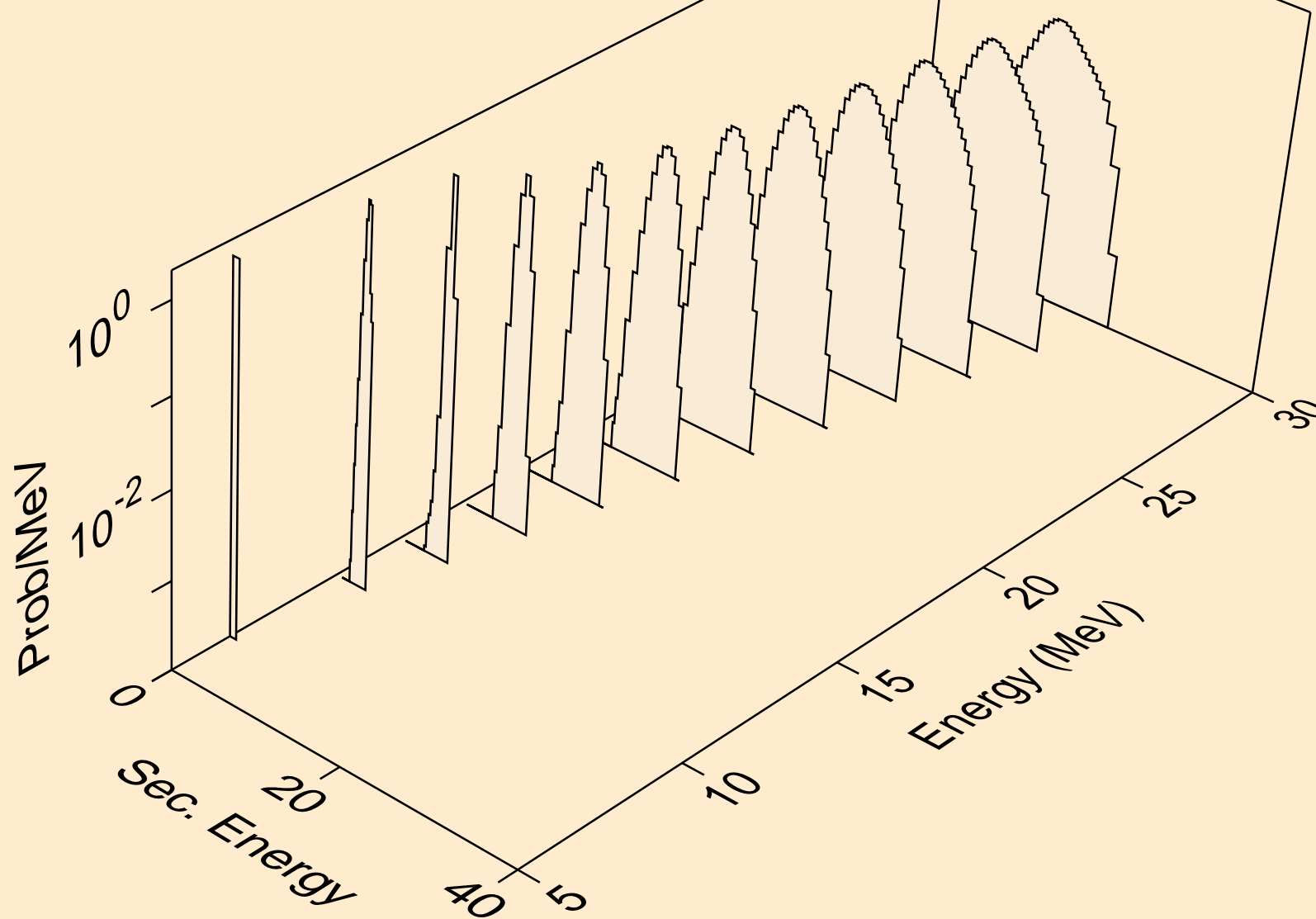
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,x)



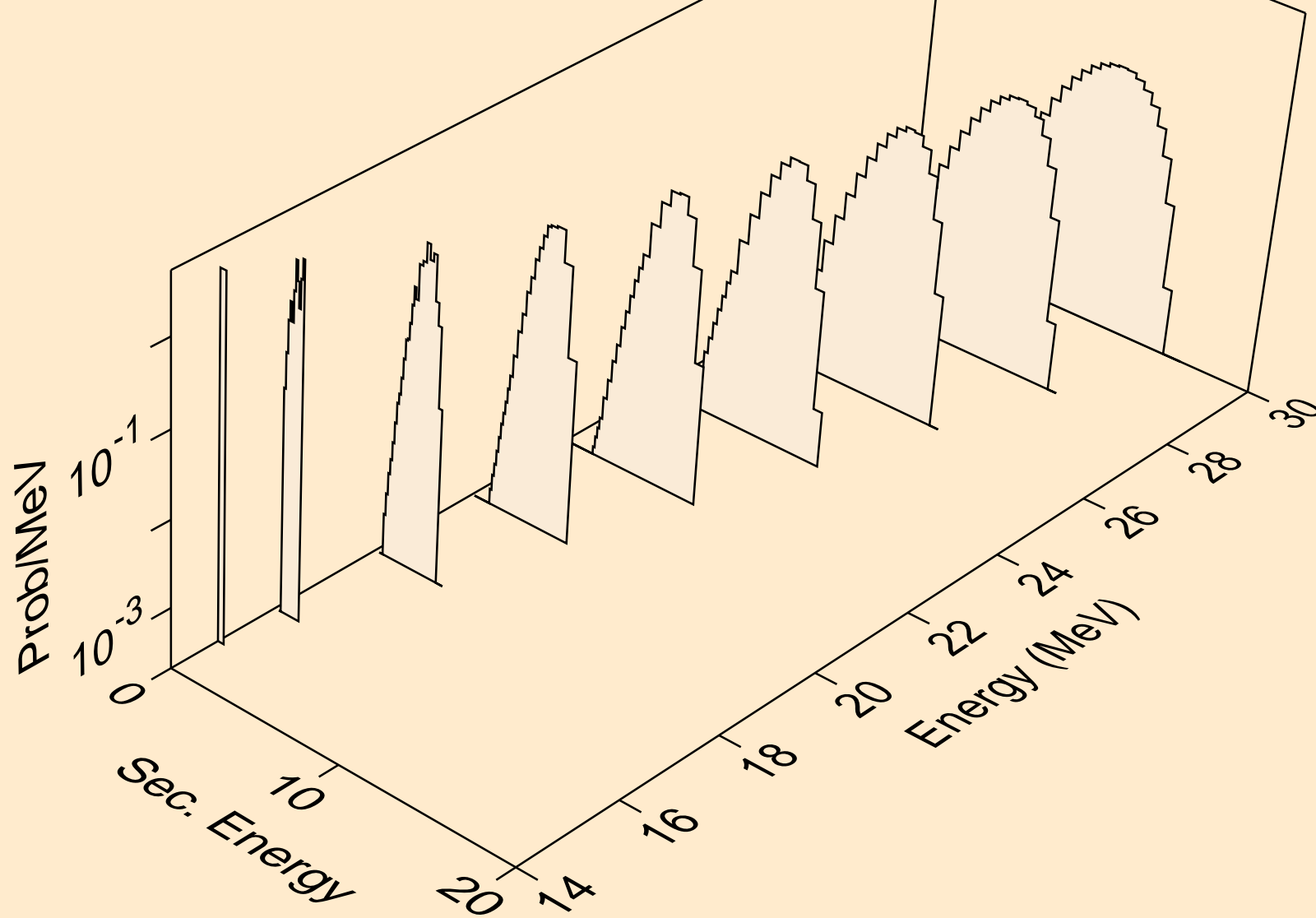
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,n\*)p



TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,2np)

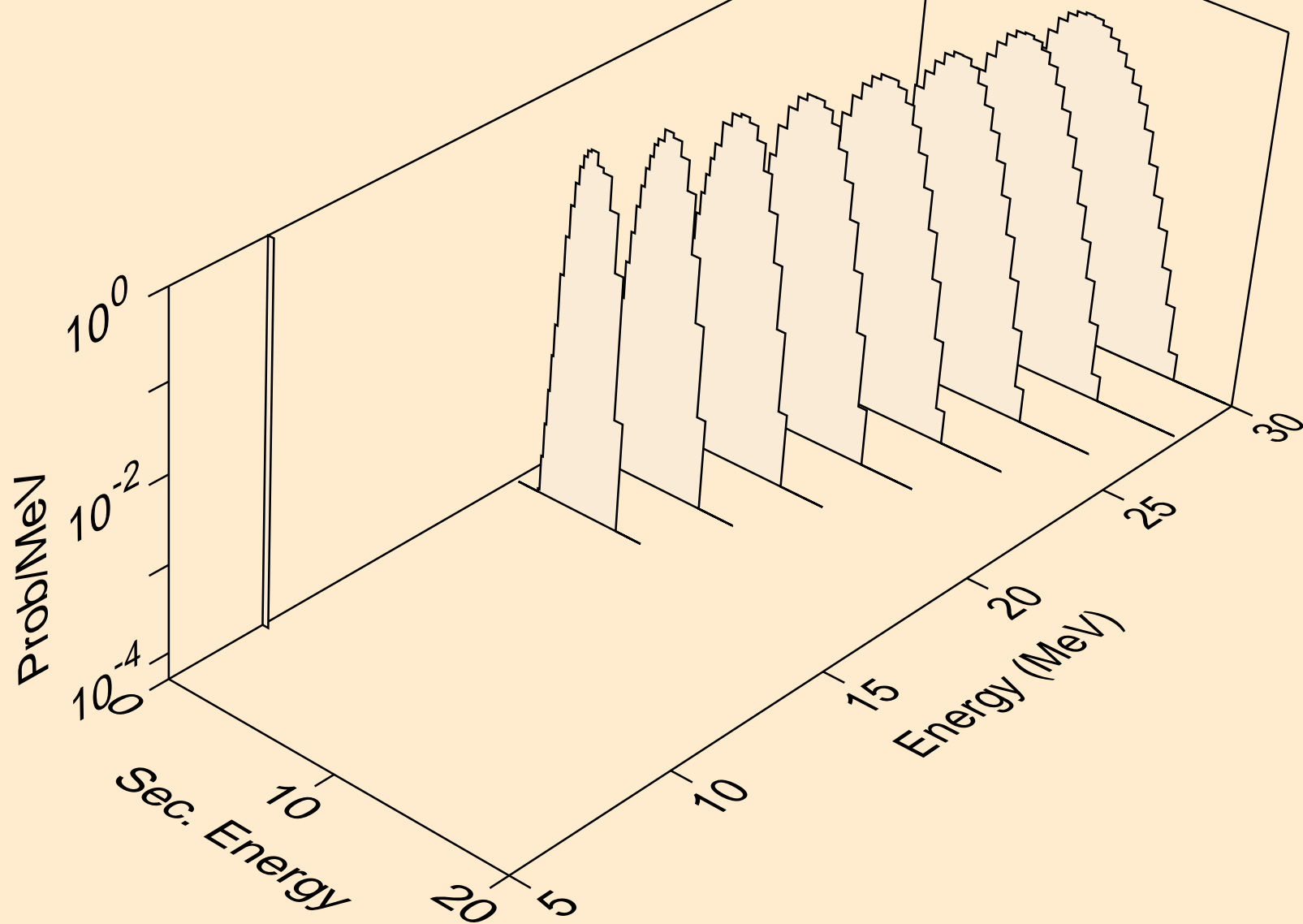


TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,3np)

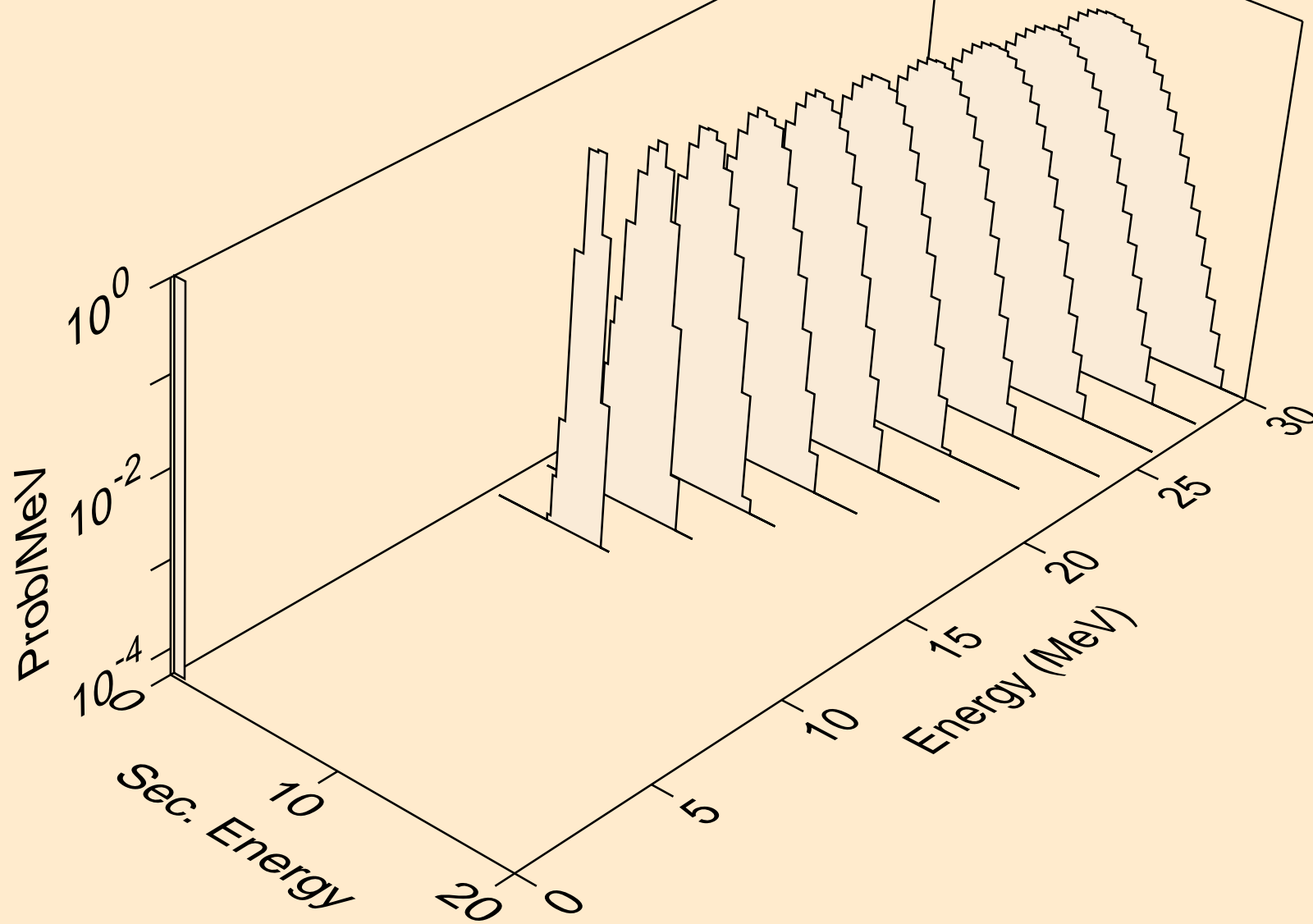




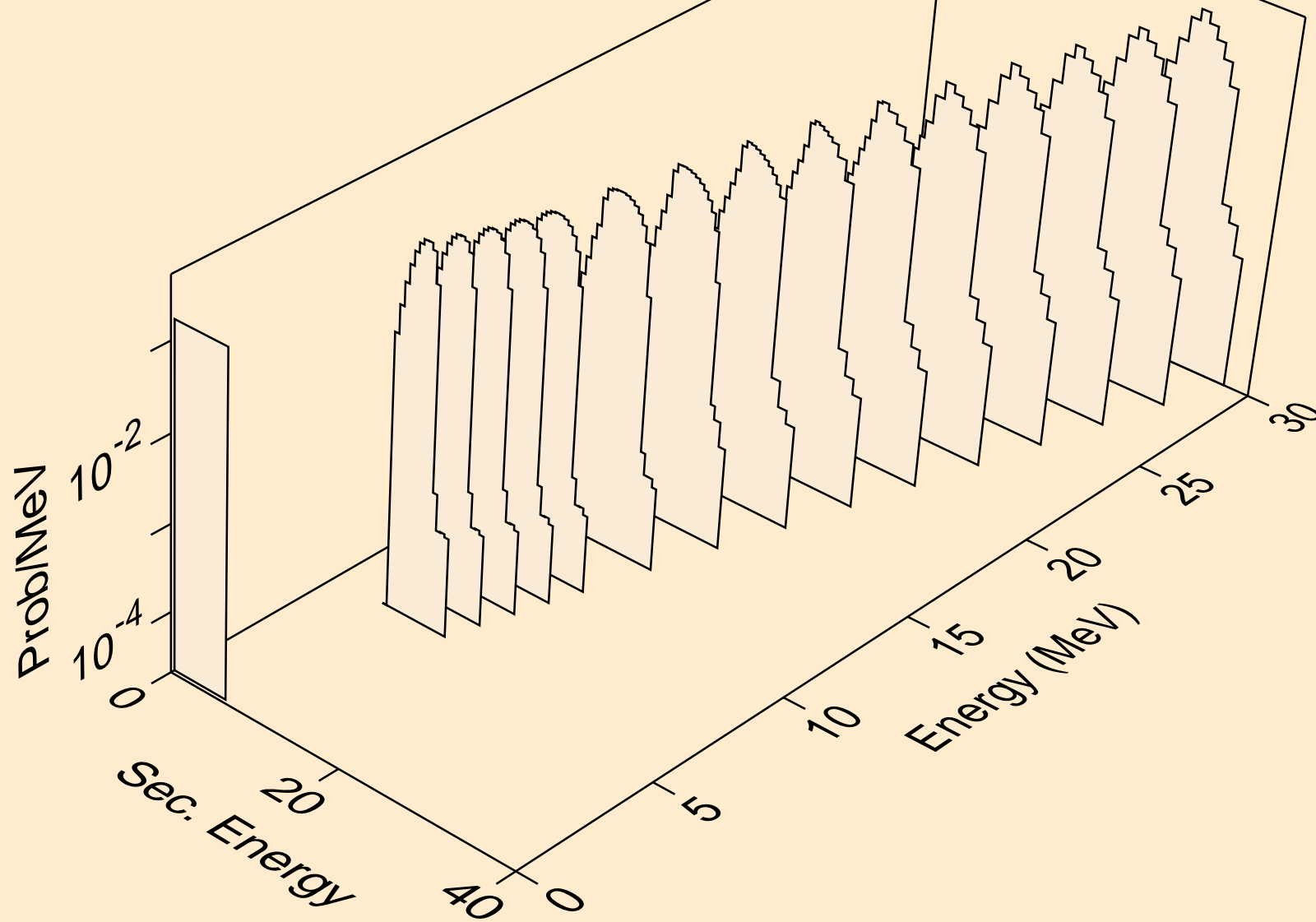
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protons from (s,2np)



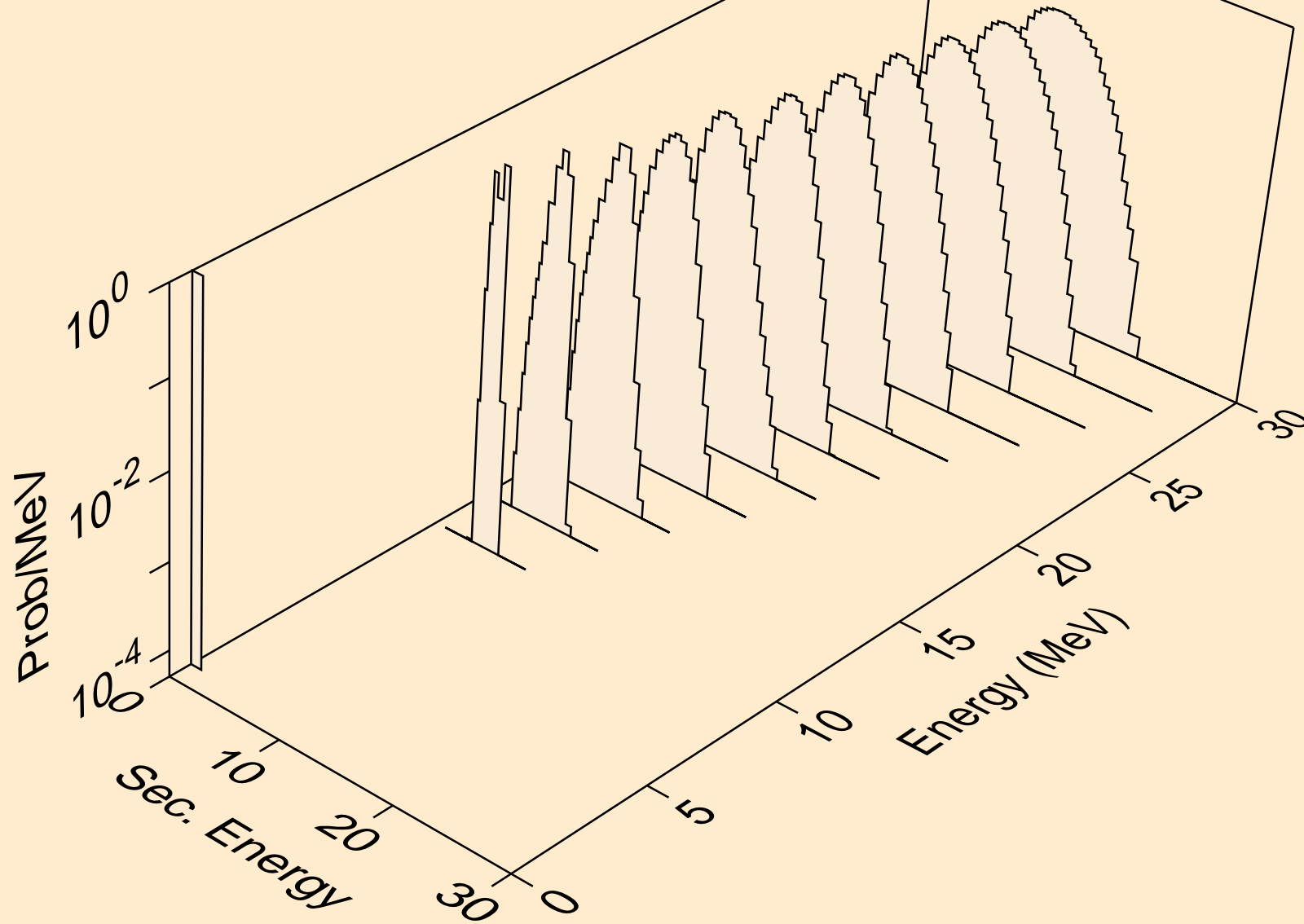
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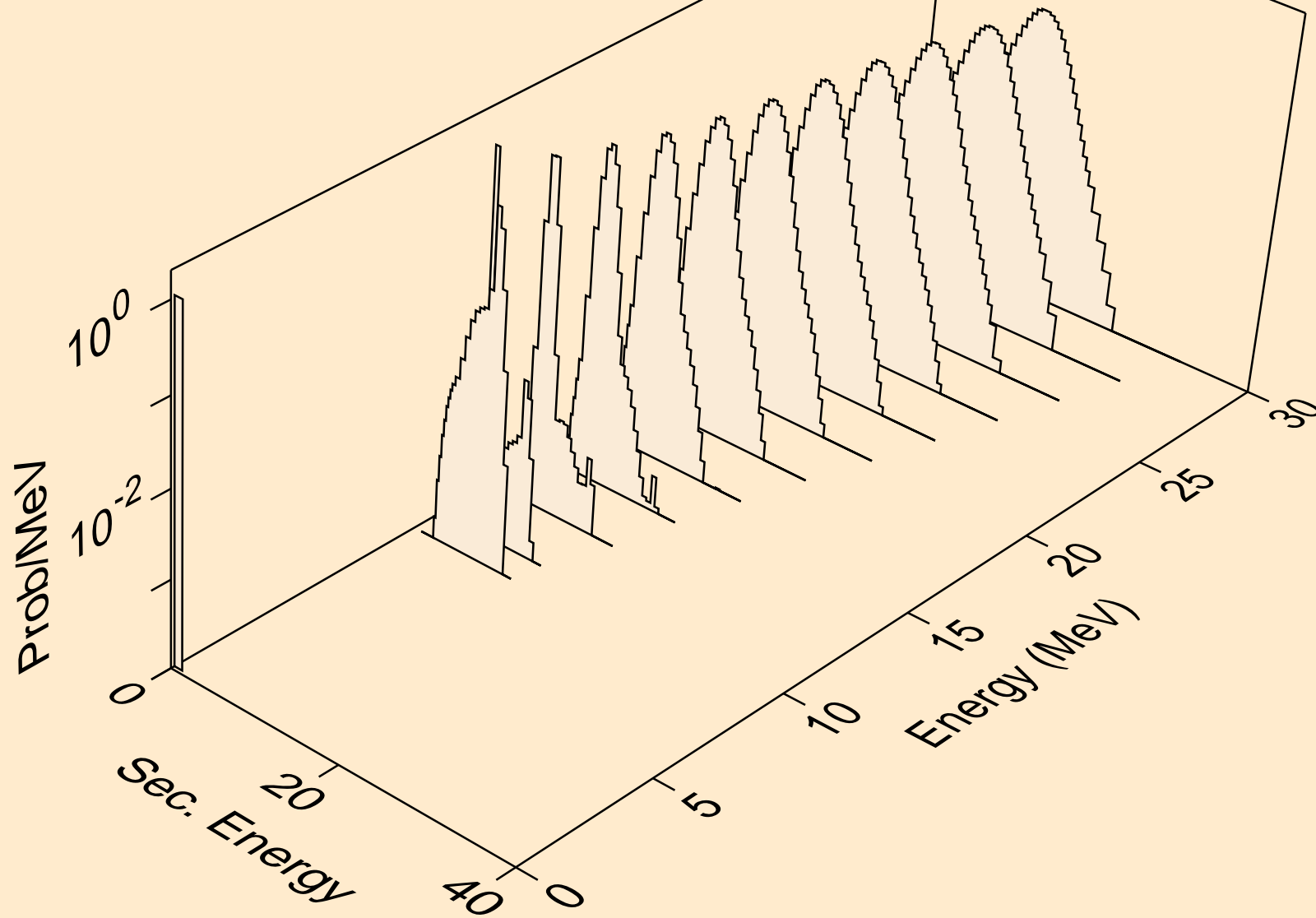
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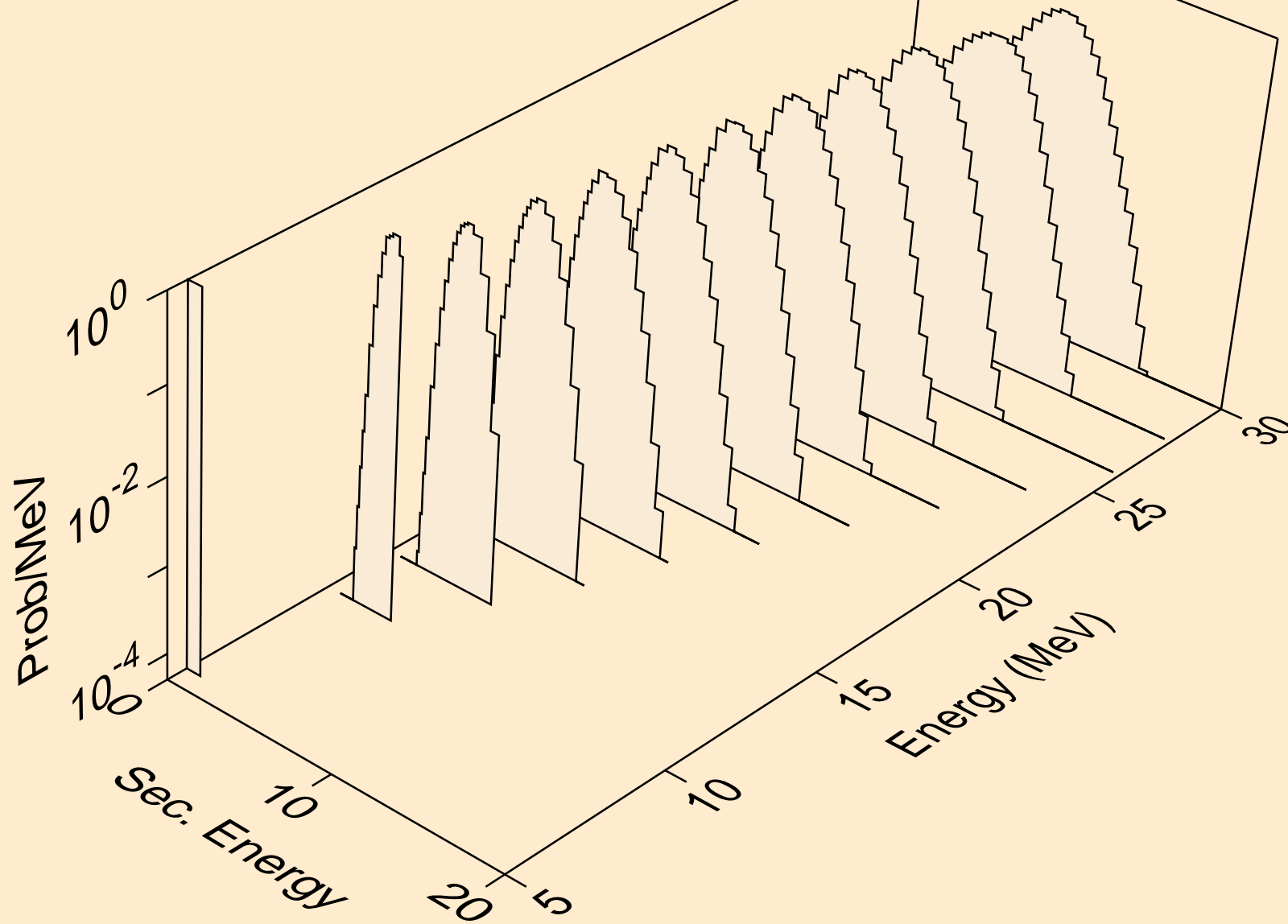
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protons from (s,2p)



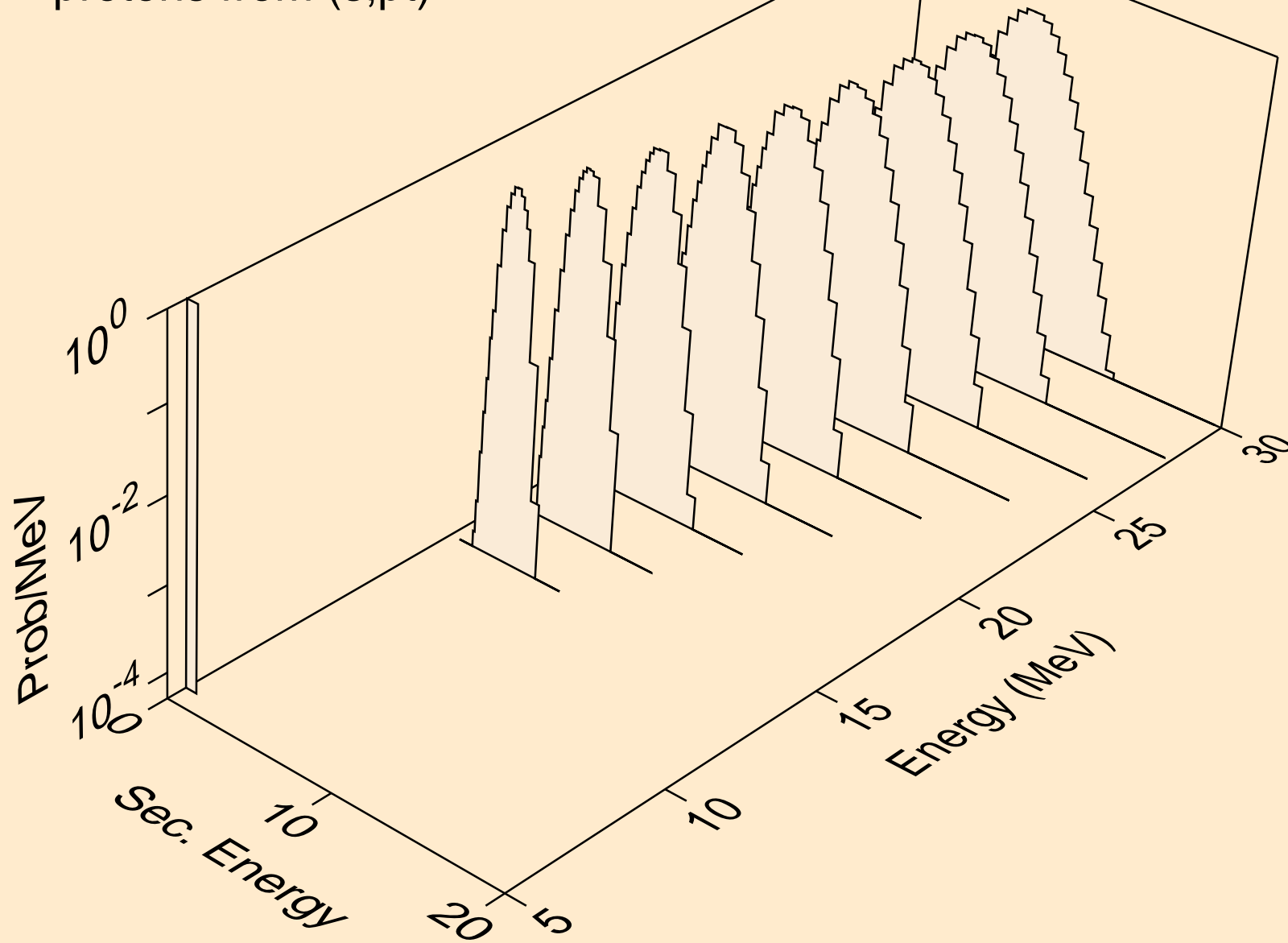
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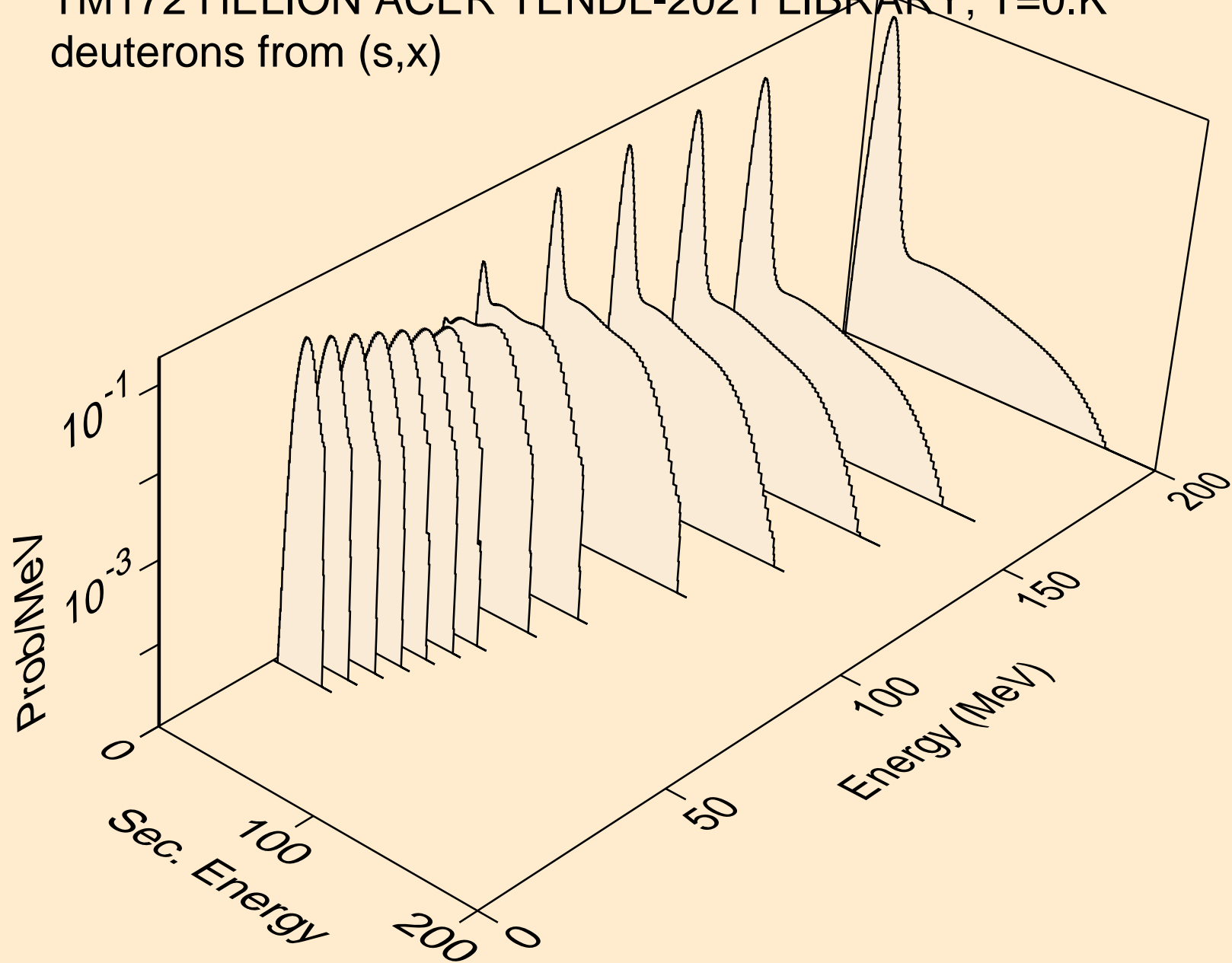
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,pd)



TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,pt)

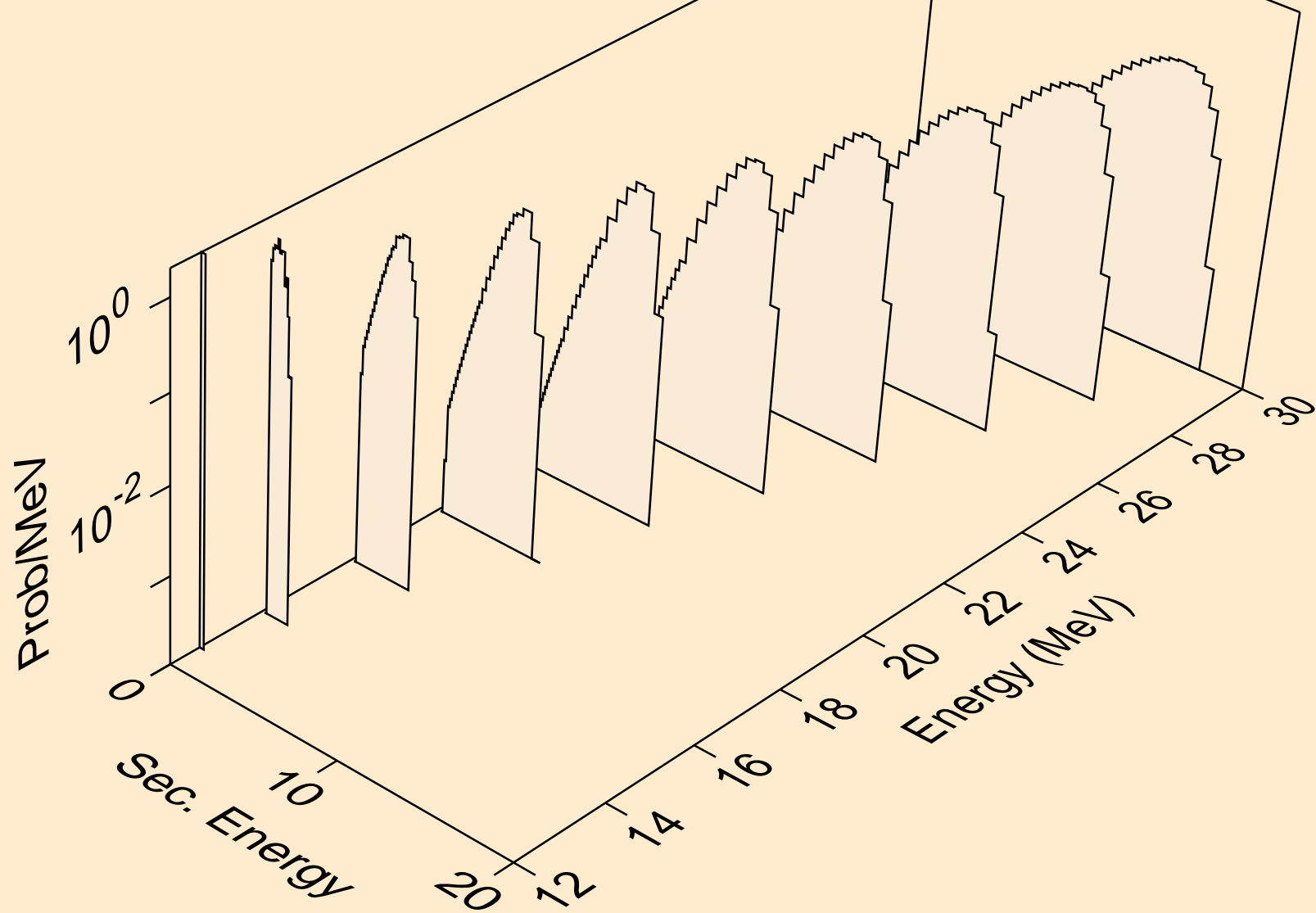


TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
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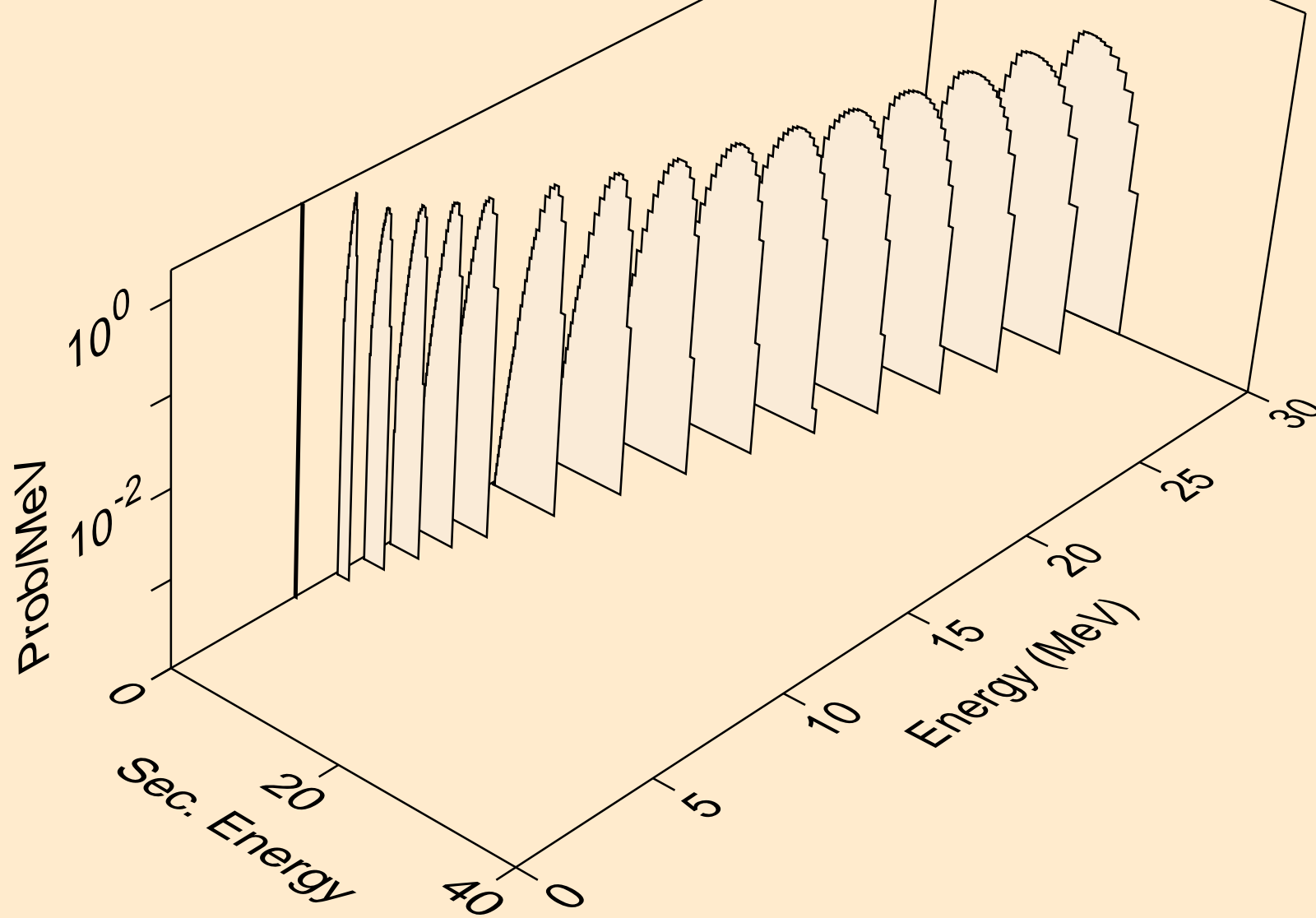




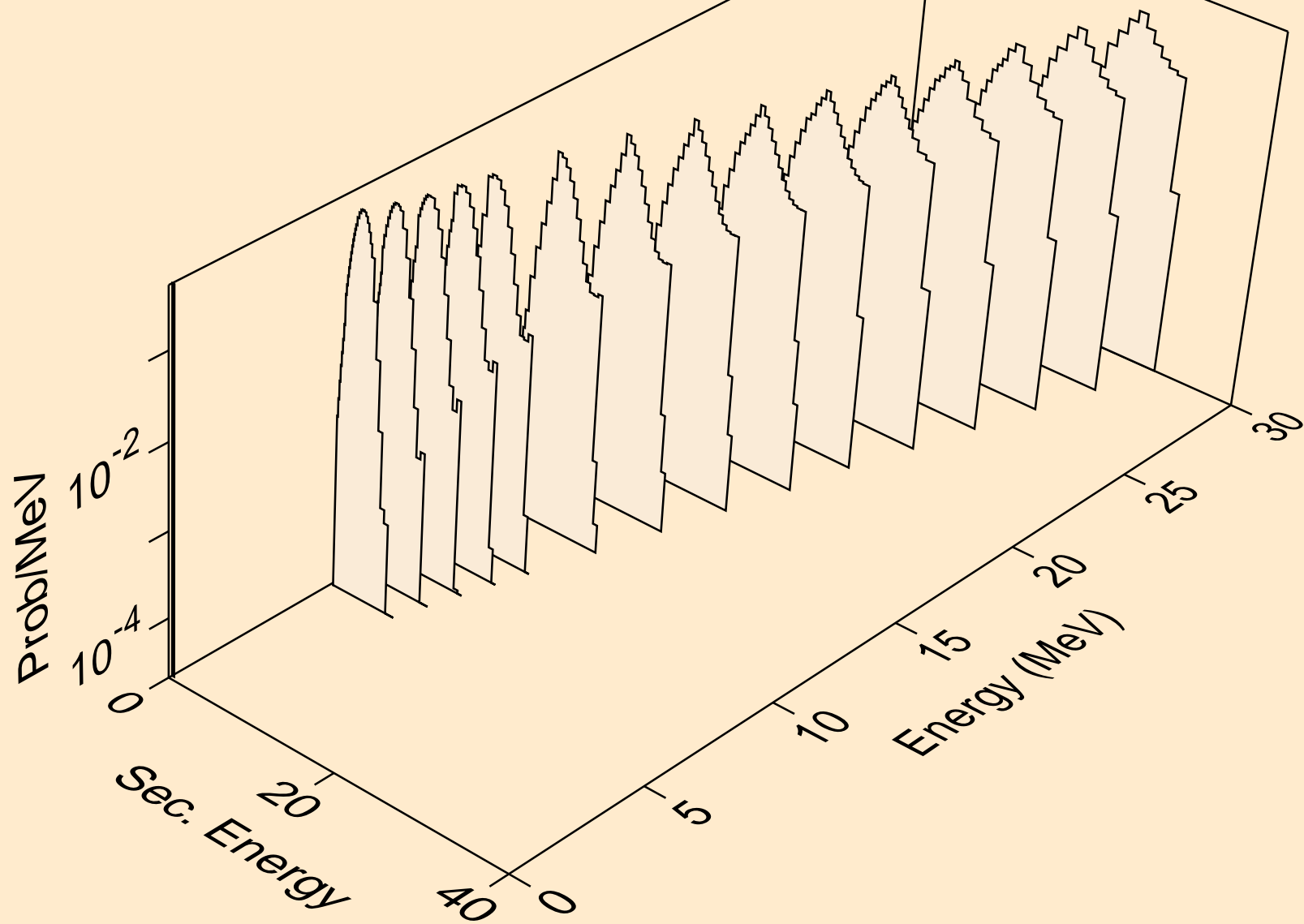
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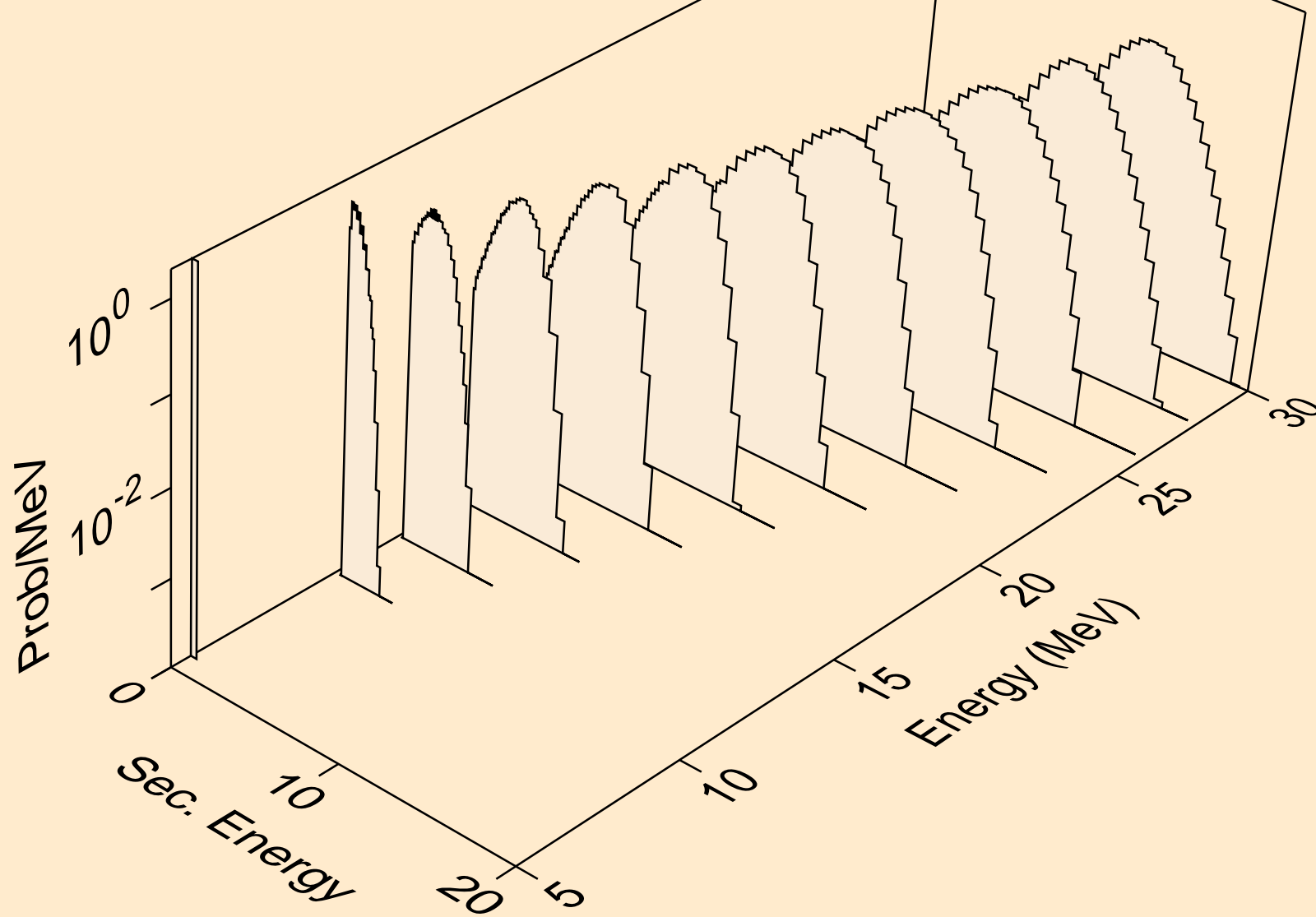
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deuterons from (s,n\*)d



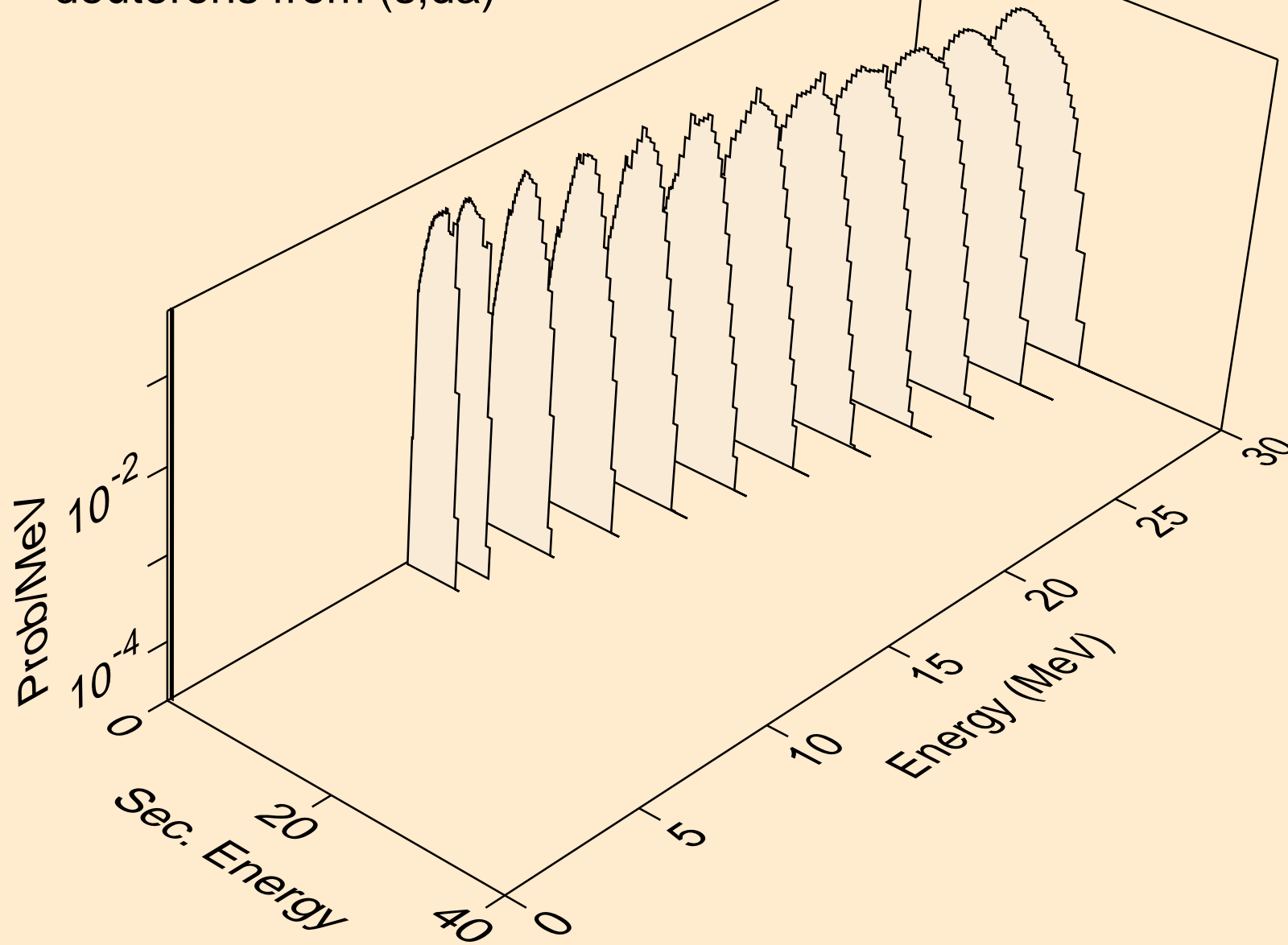
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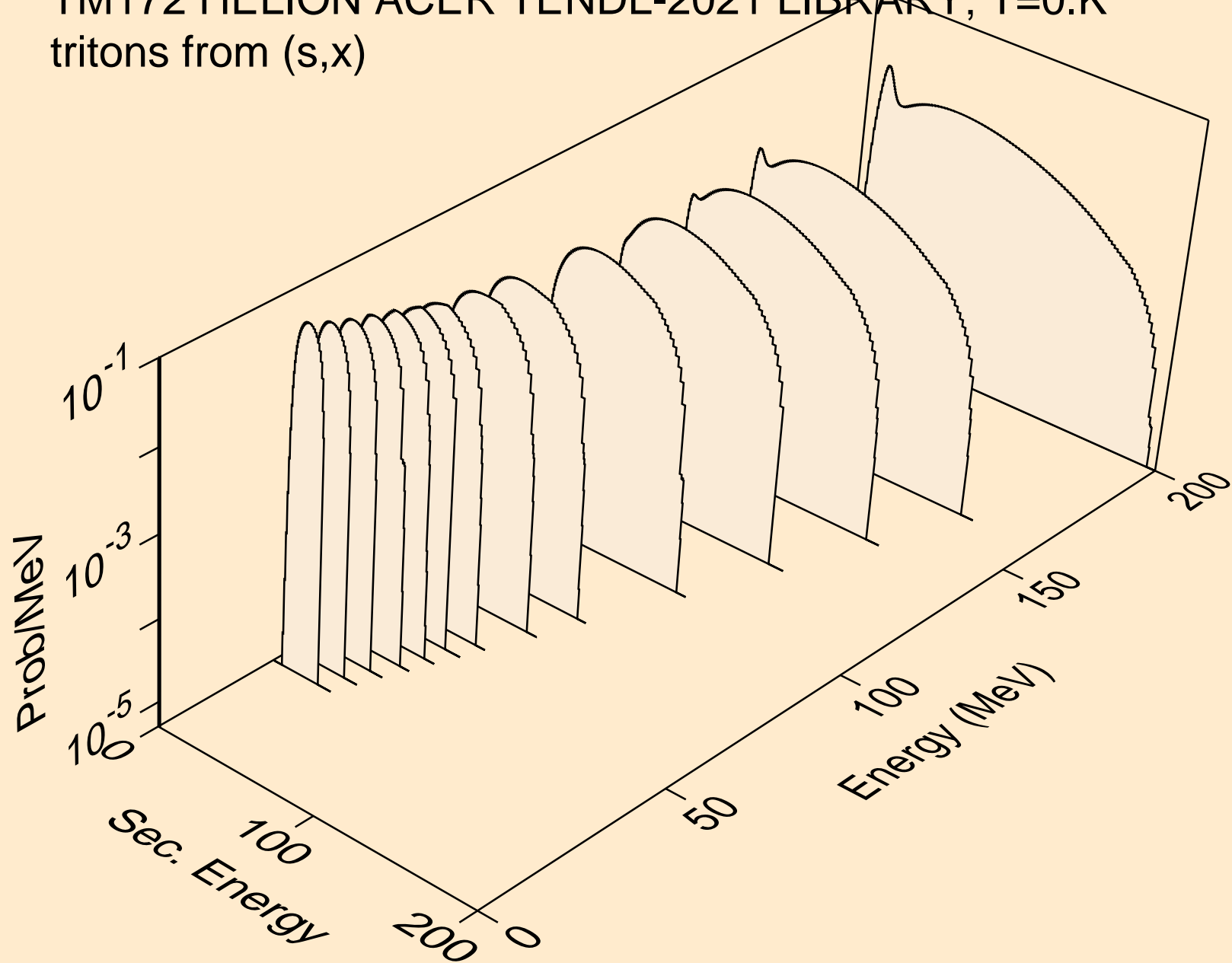
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deuterons from (s,pd)



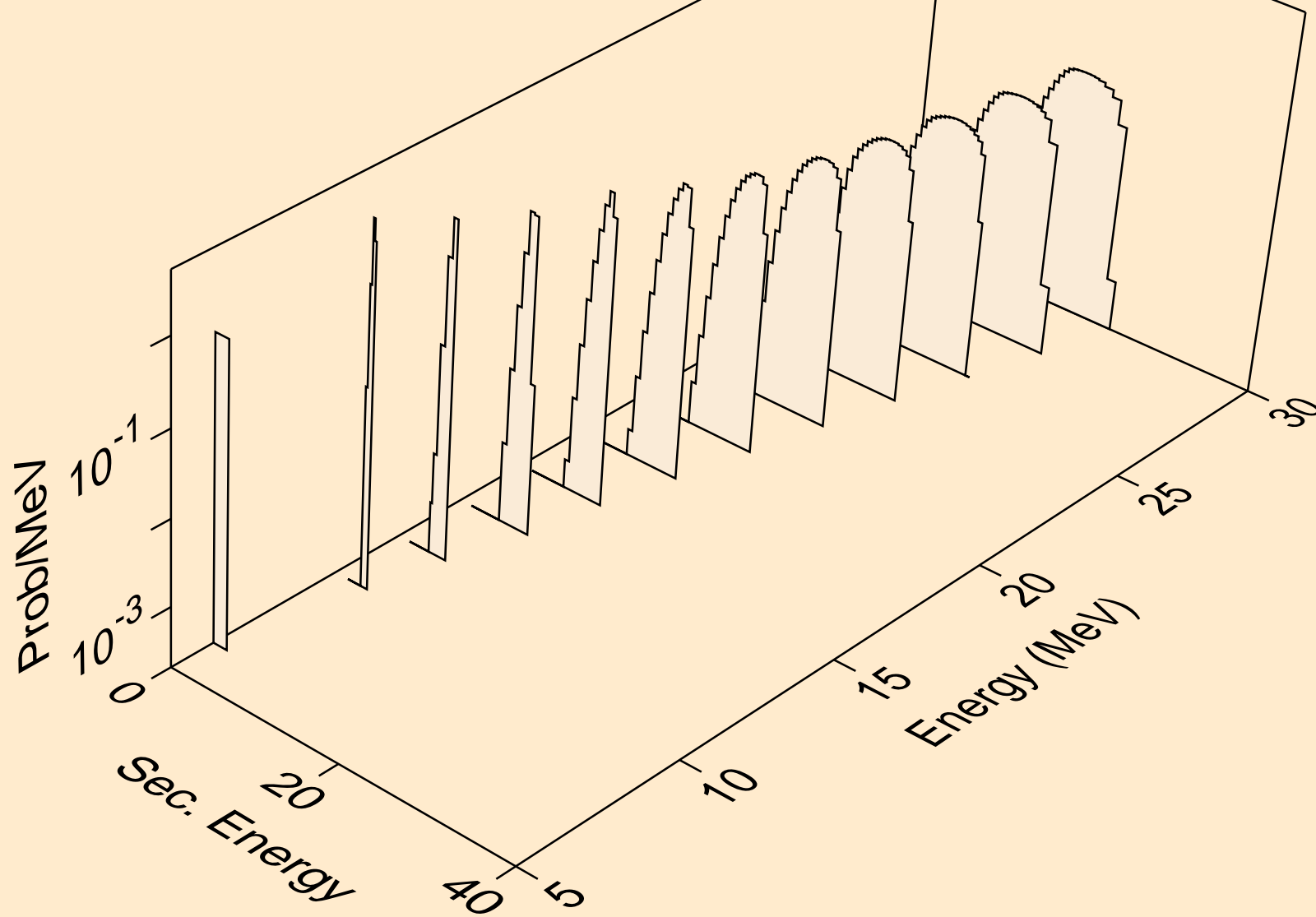
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deuterons from (s,da)



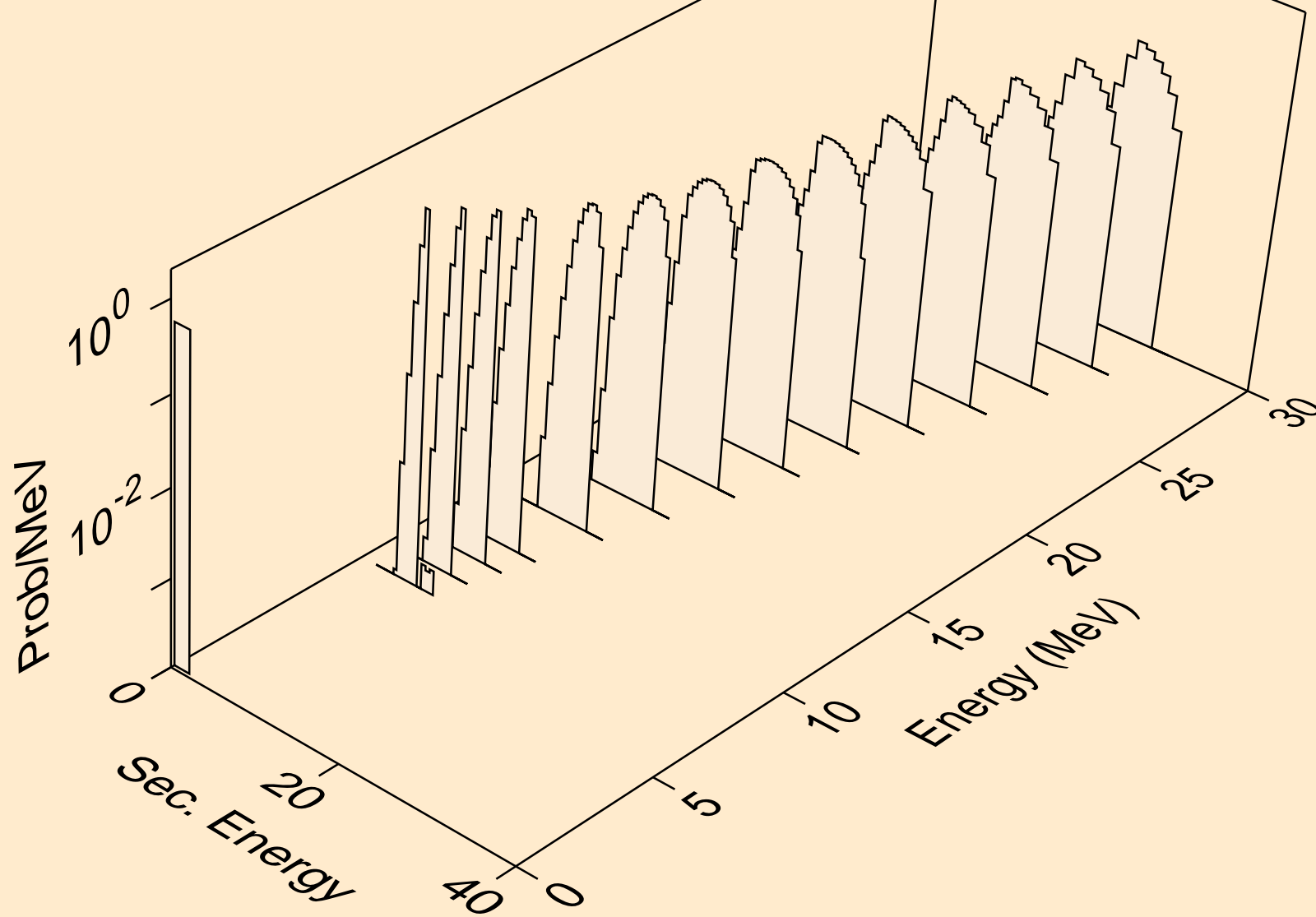
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,x)



TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,n\*)t

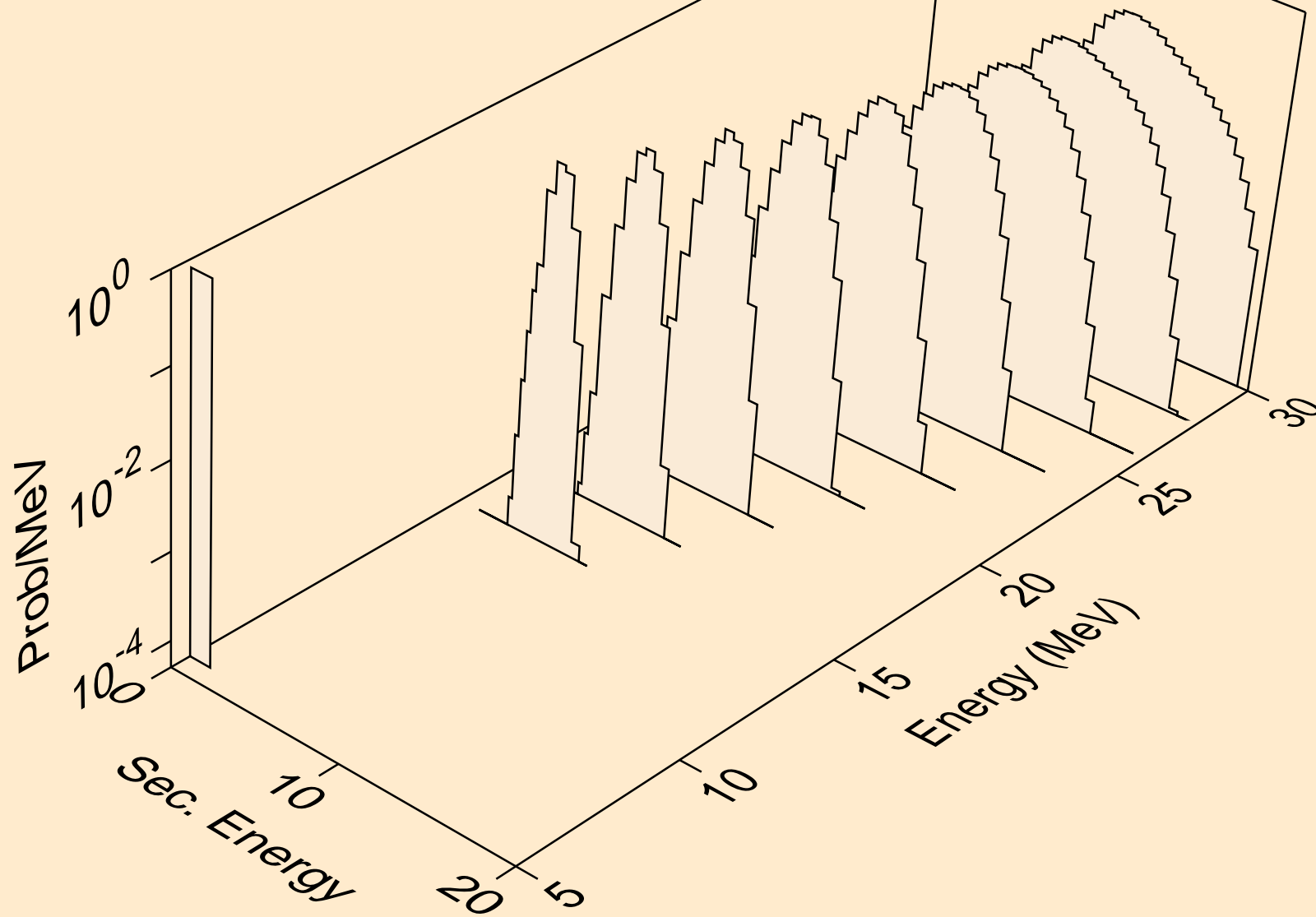


TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,t)

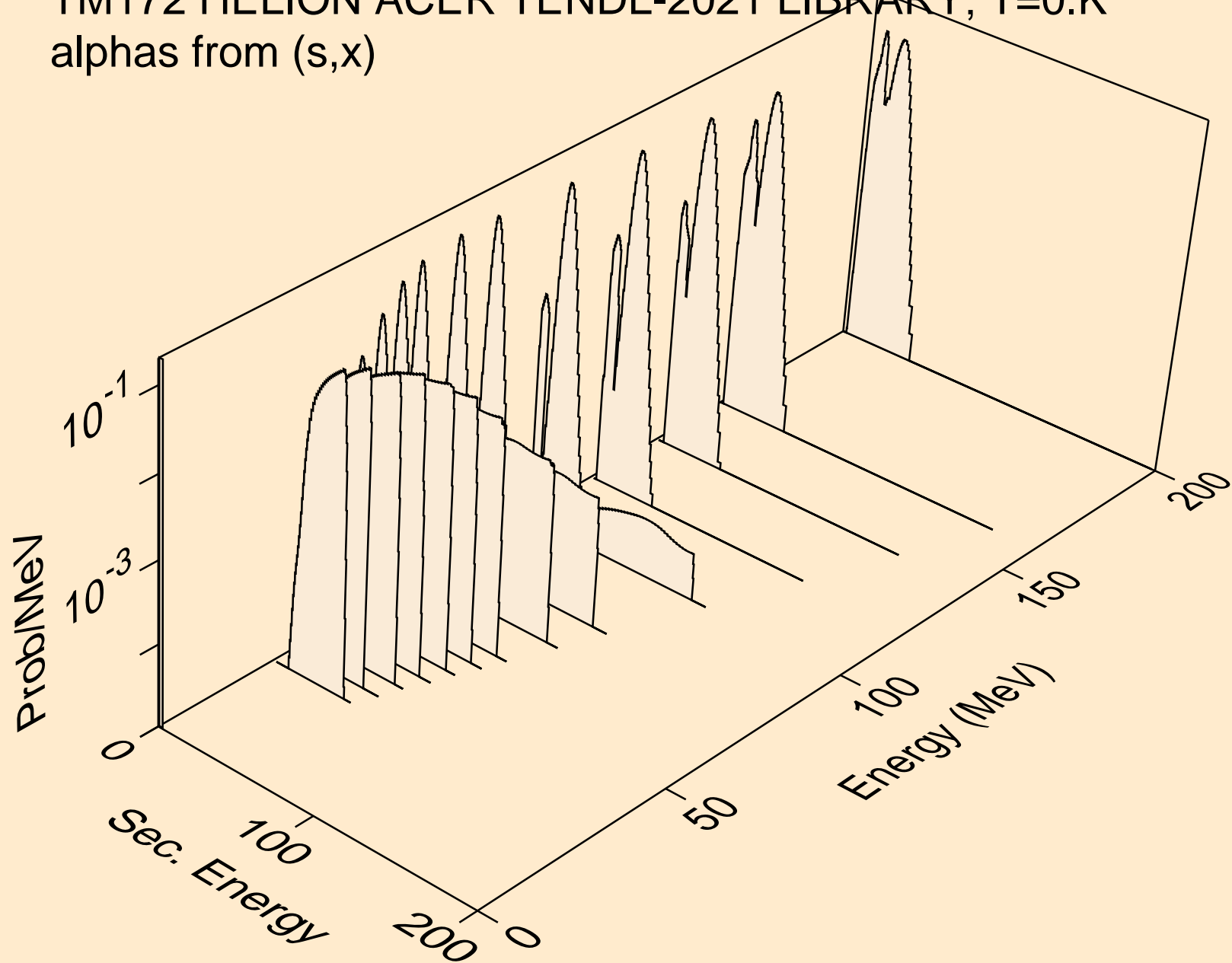




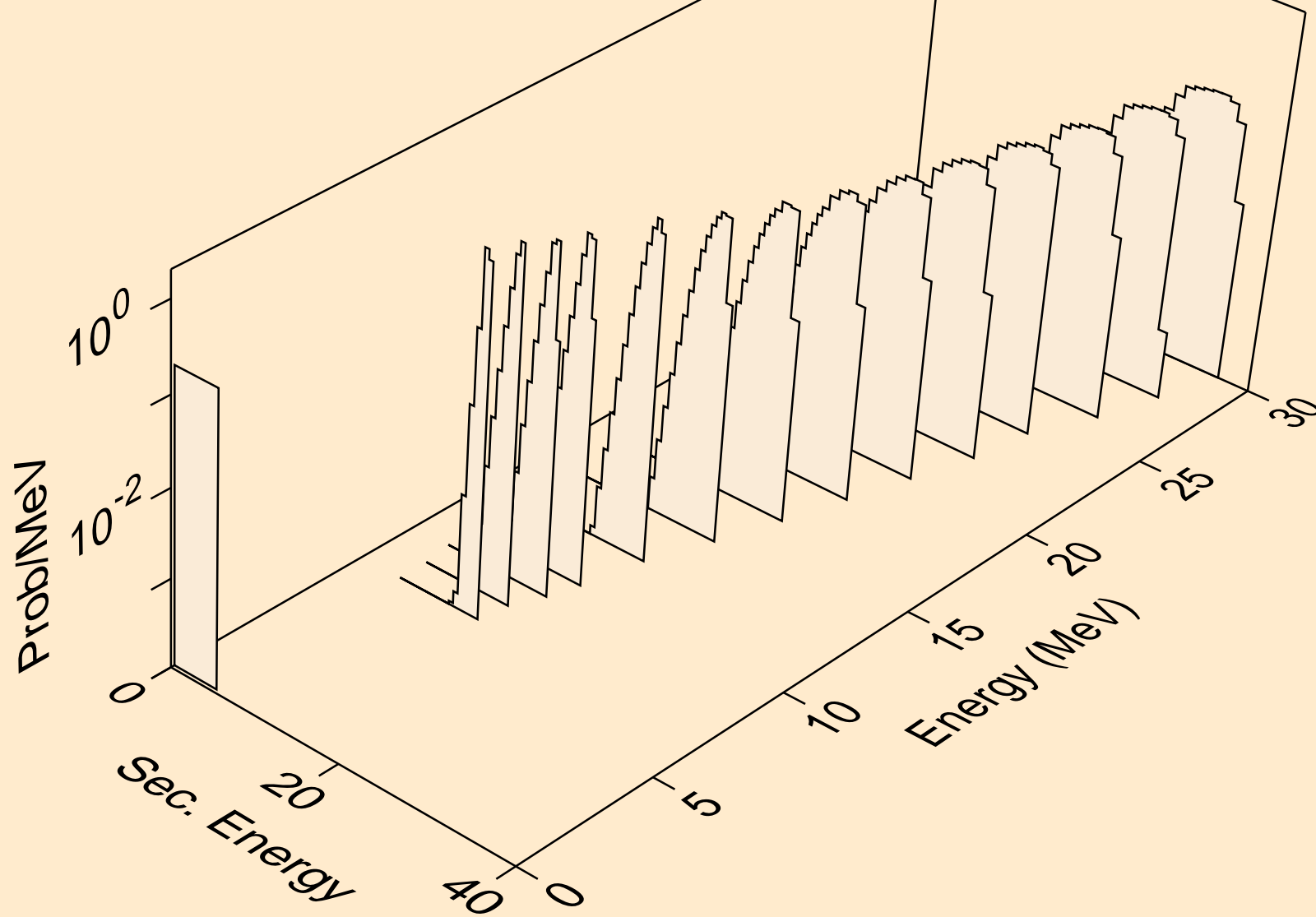
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tritons from (s,pt)



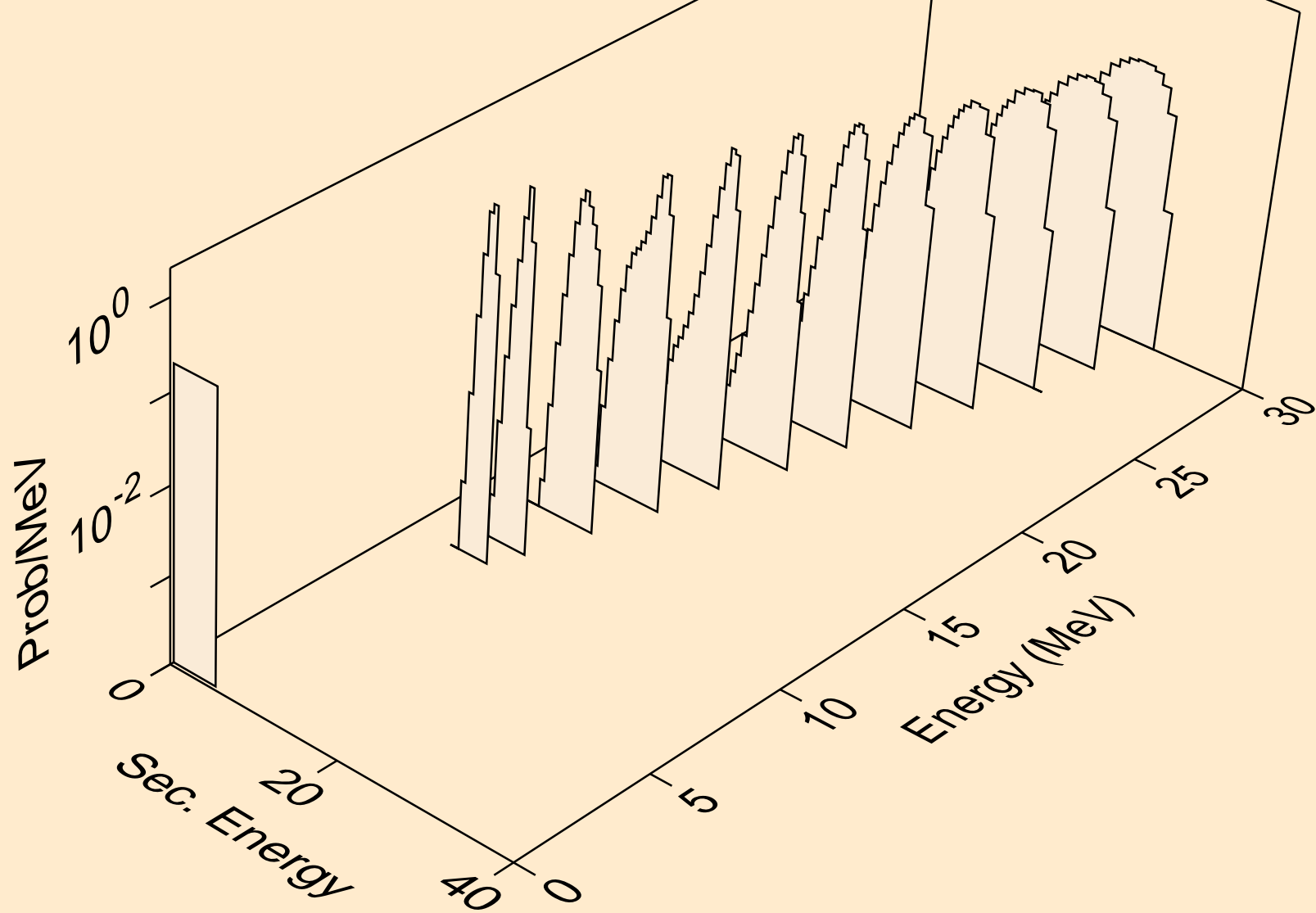
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,x)



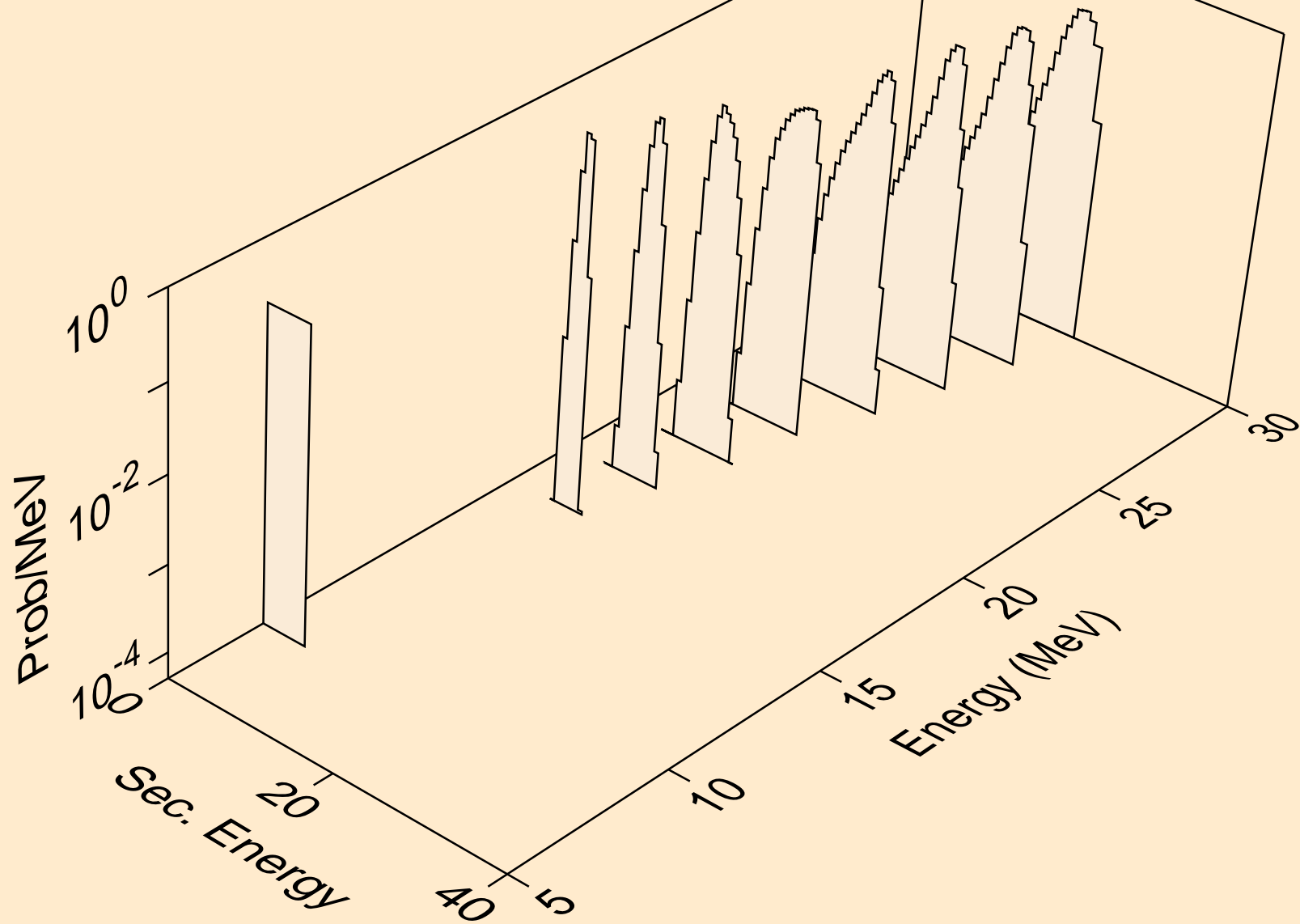
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,n\*)a



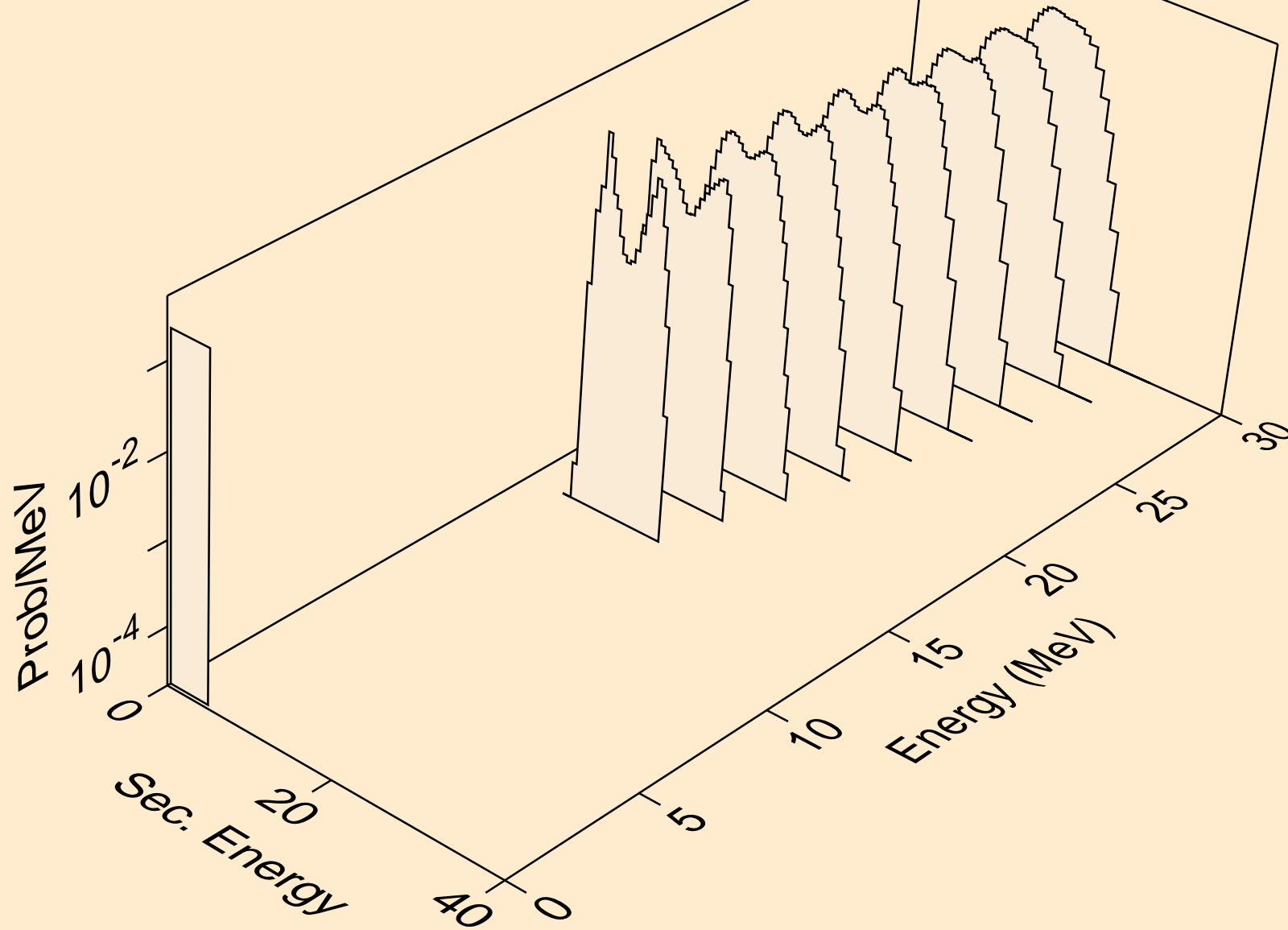
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,2n)a



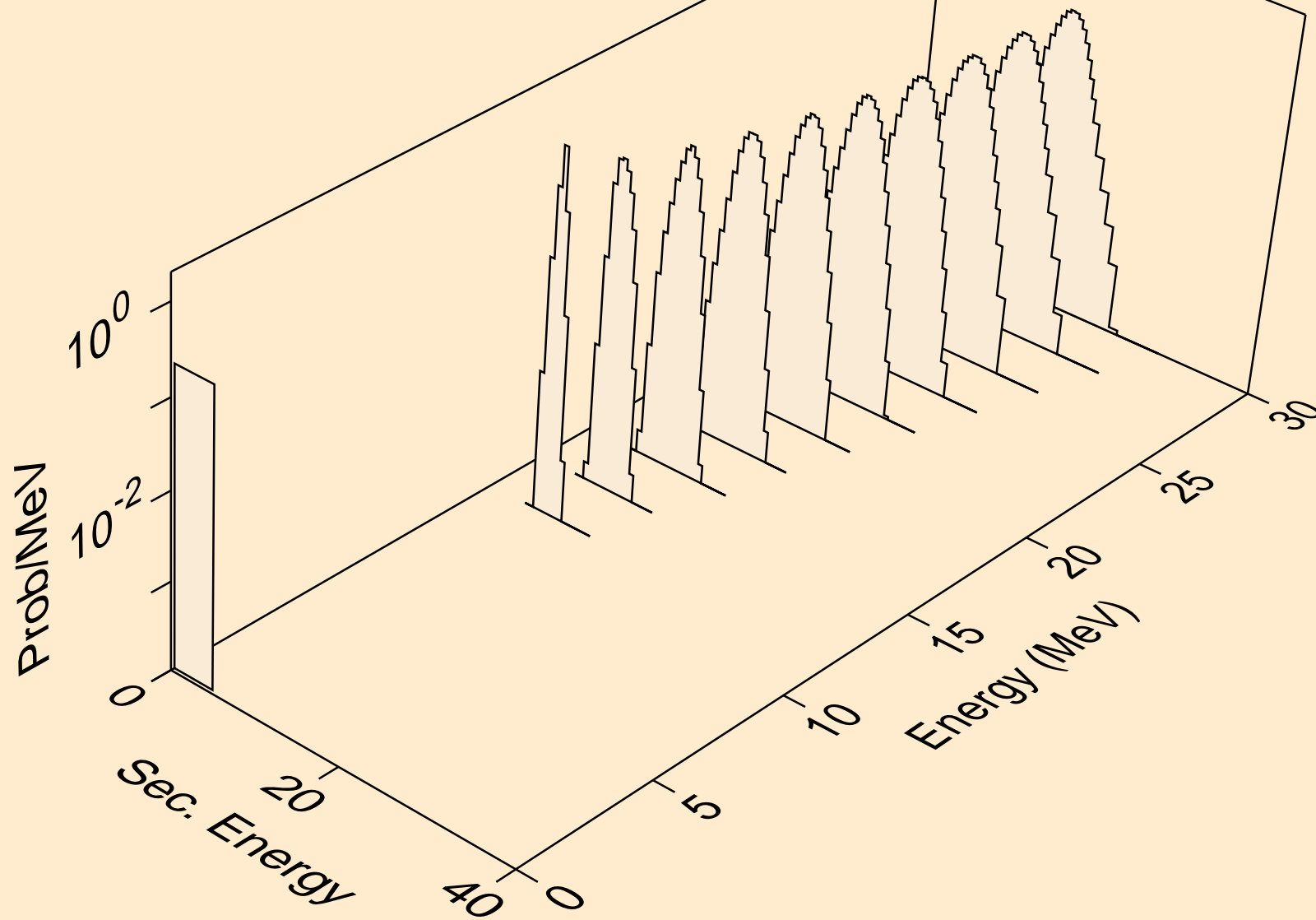
TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,3n)a



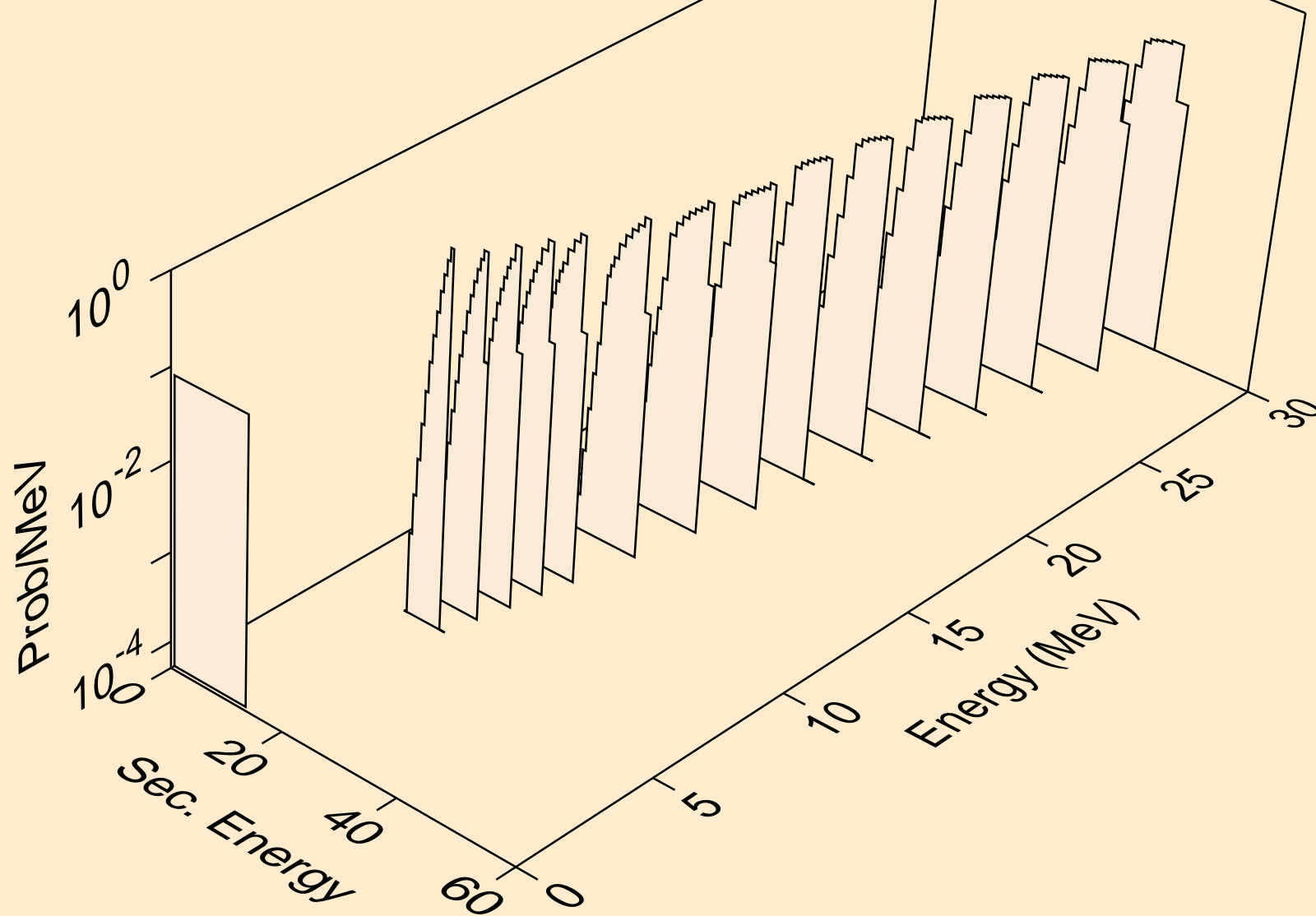
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alphas from (s,n\*)2a



TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,npa)

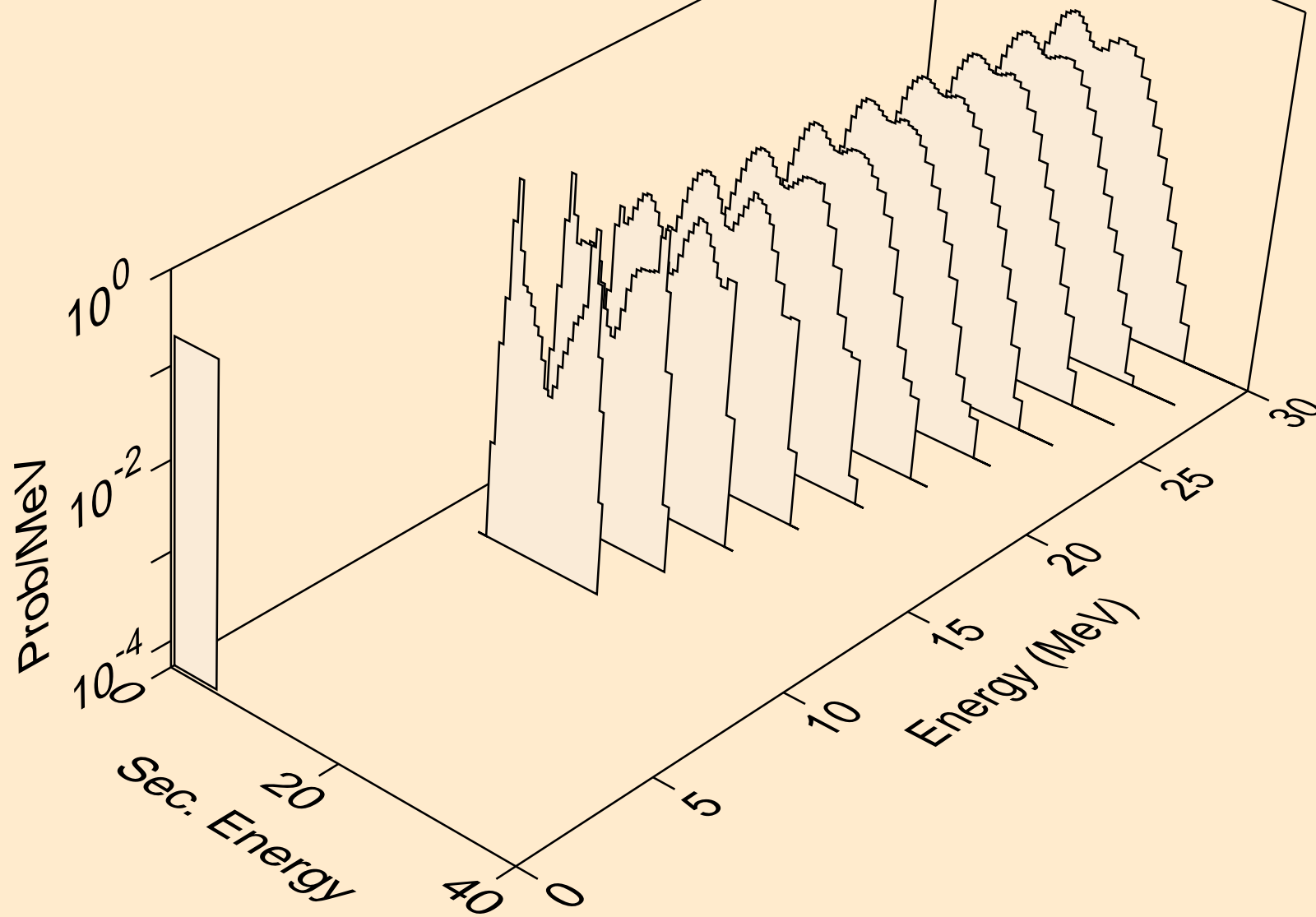


TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,a)

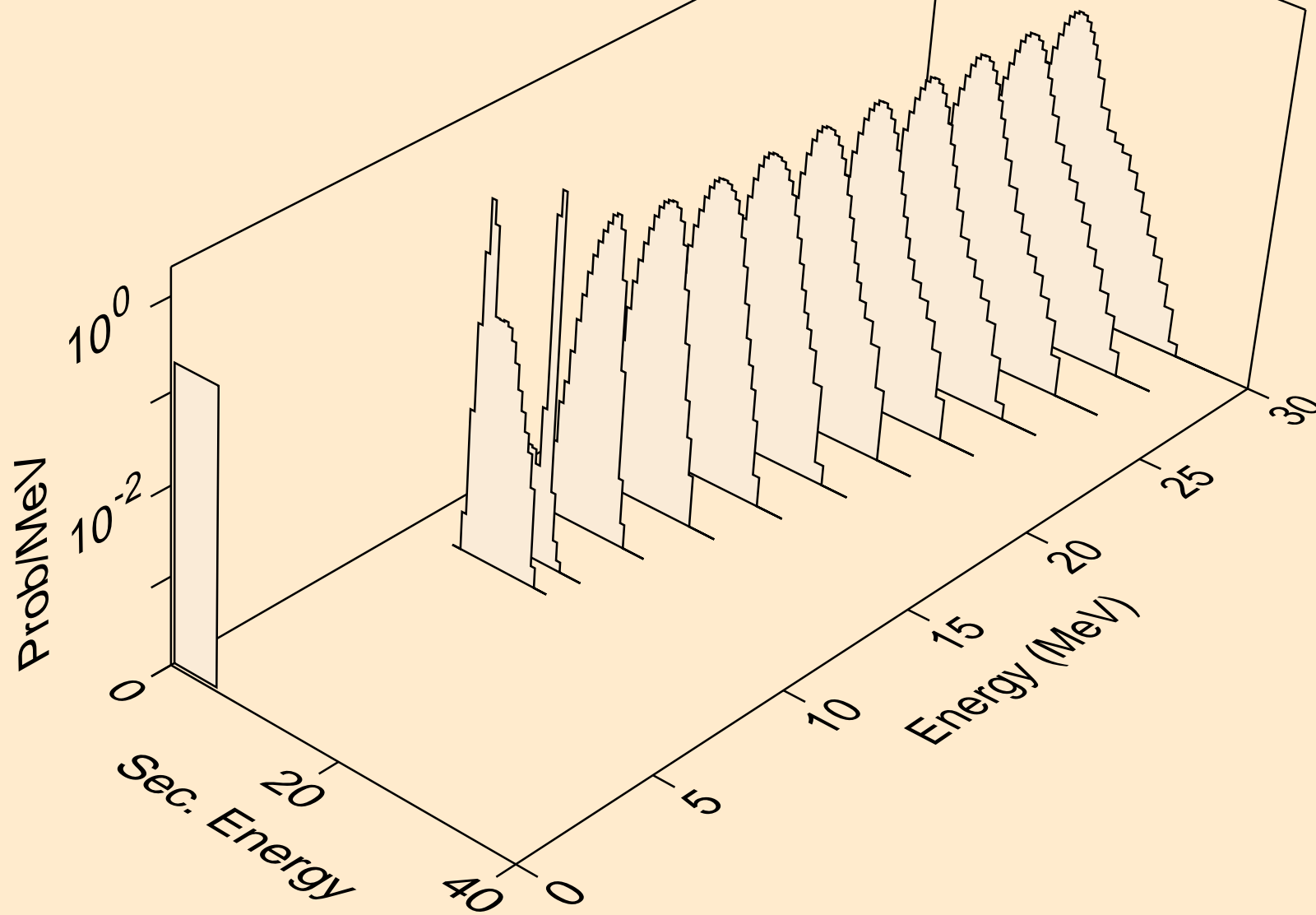




TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,2a)



TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,pa)



TM172 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,da)

