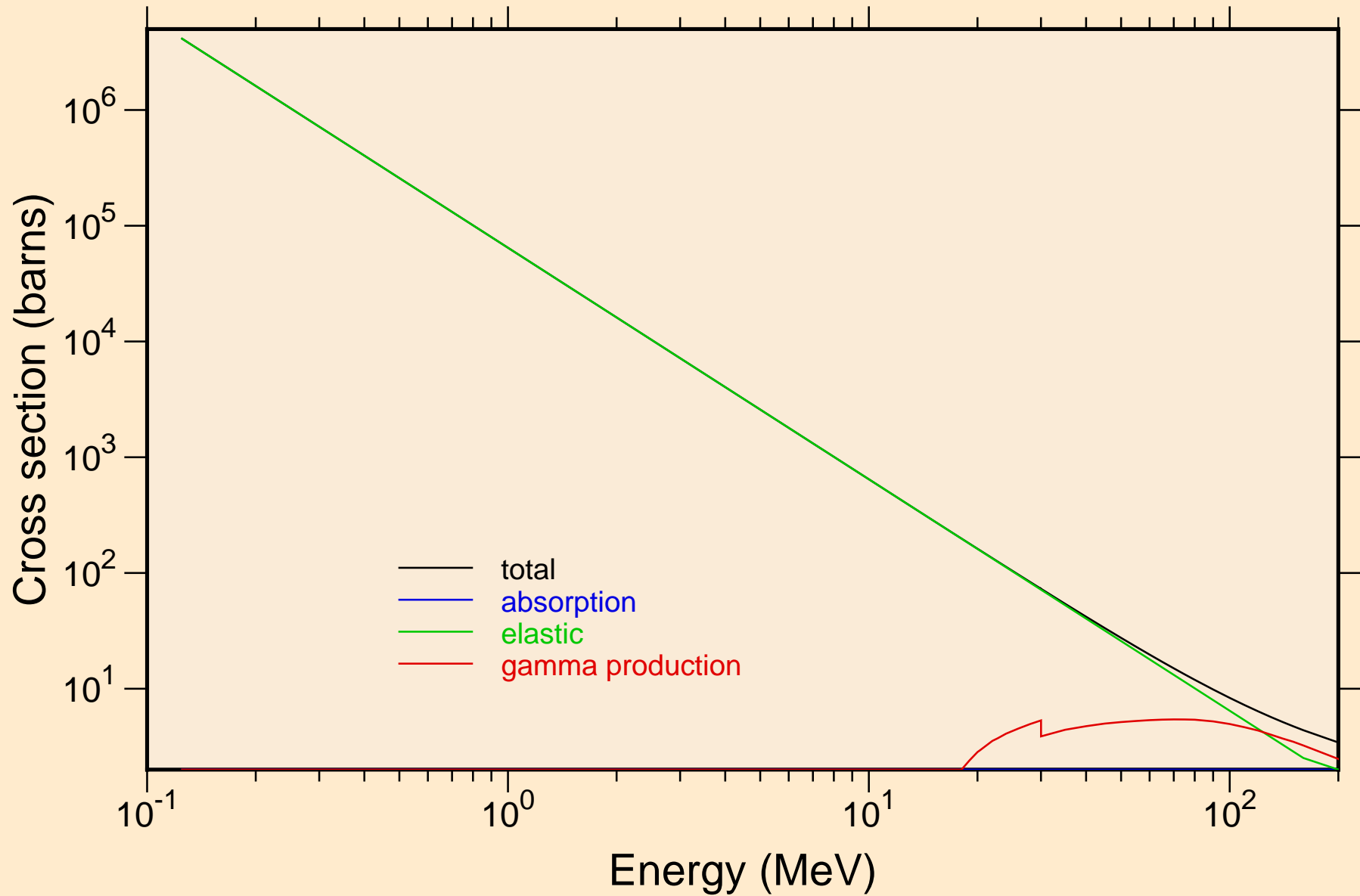


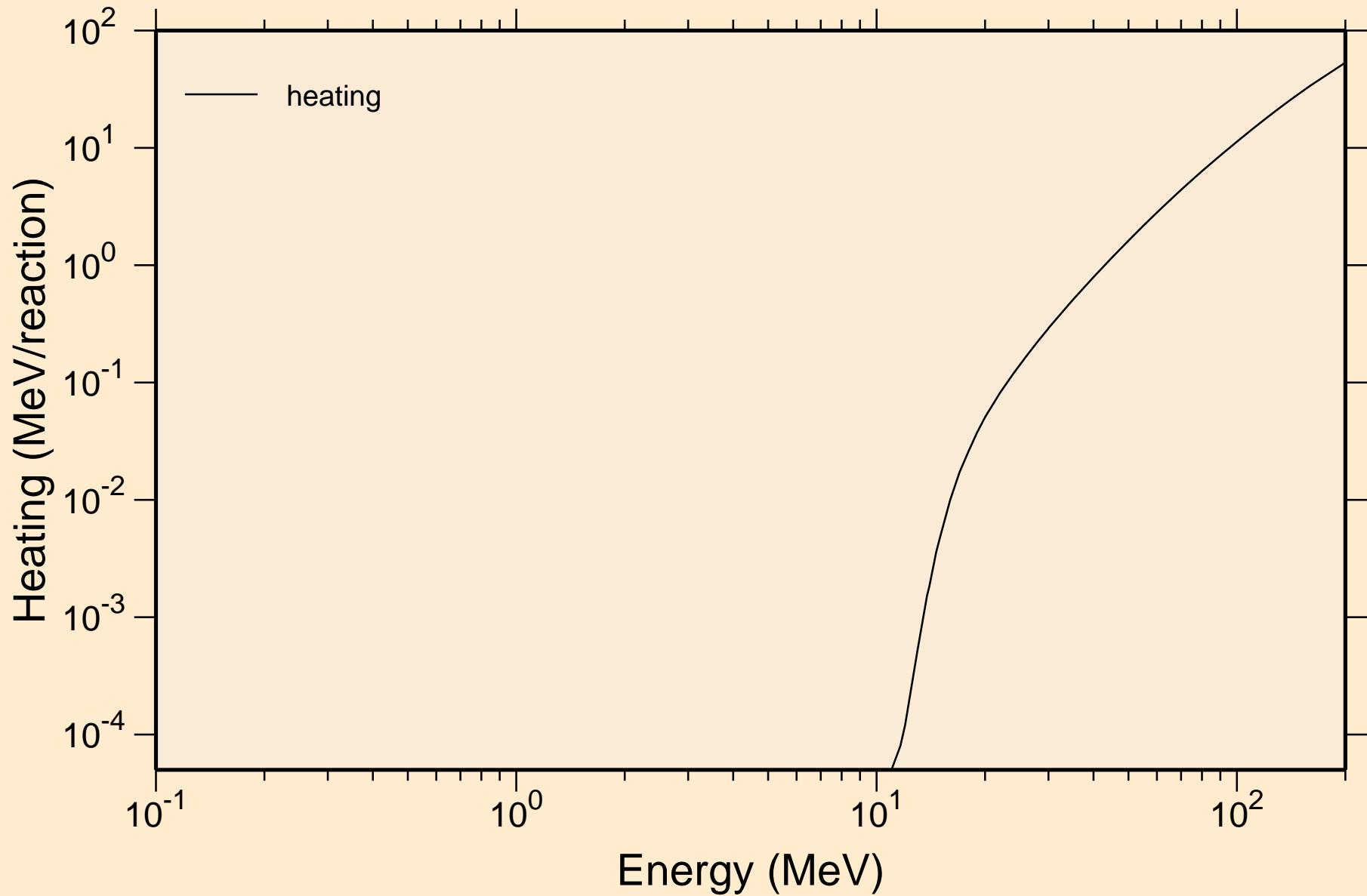
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## Principal cross sections



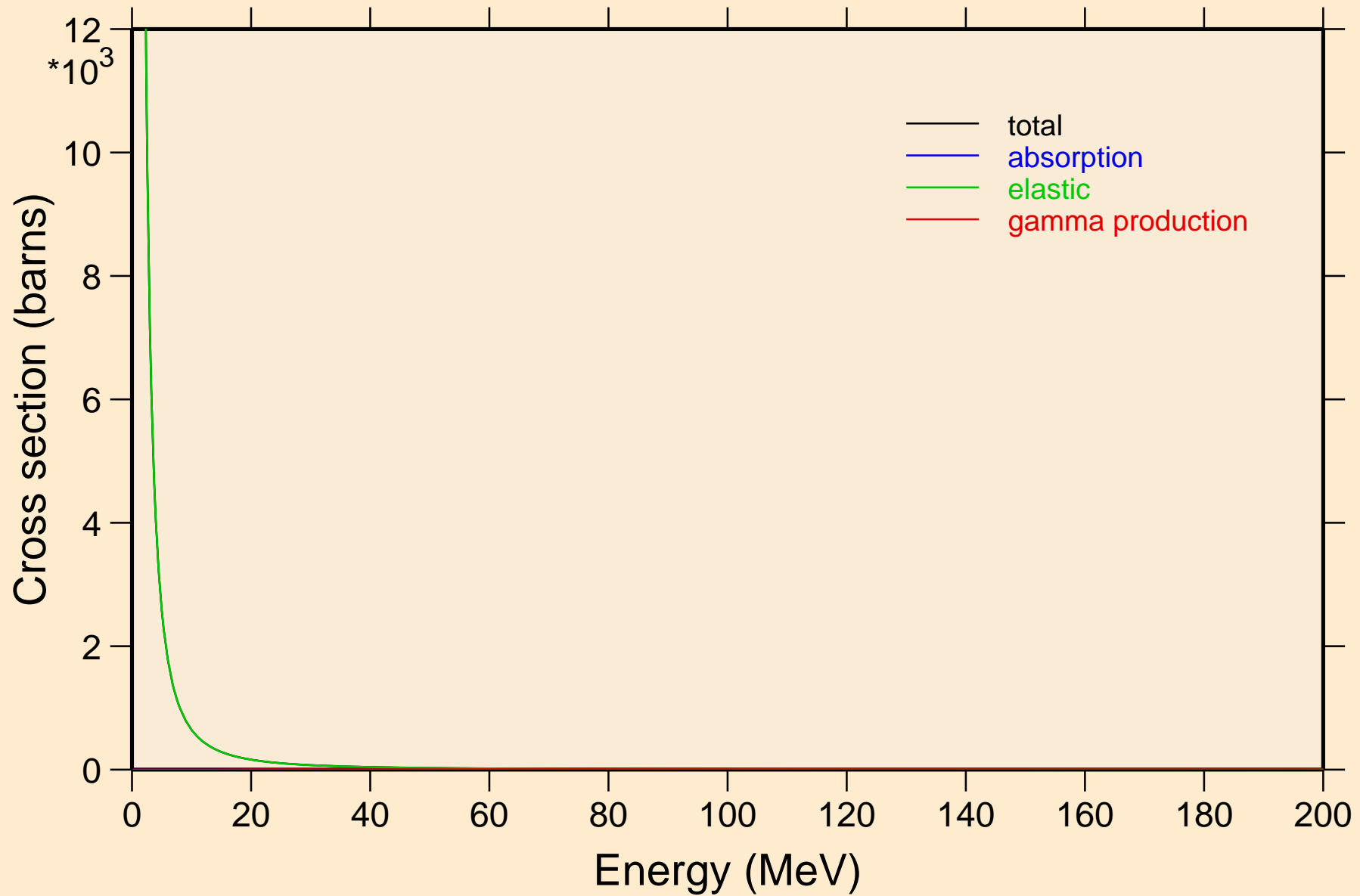
# SN117M HELION ACER TENDL-2023 LIBRARY; T=0.K

## Heating



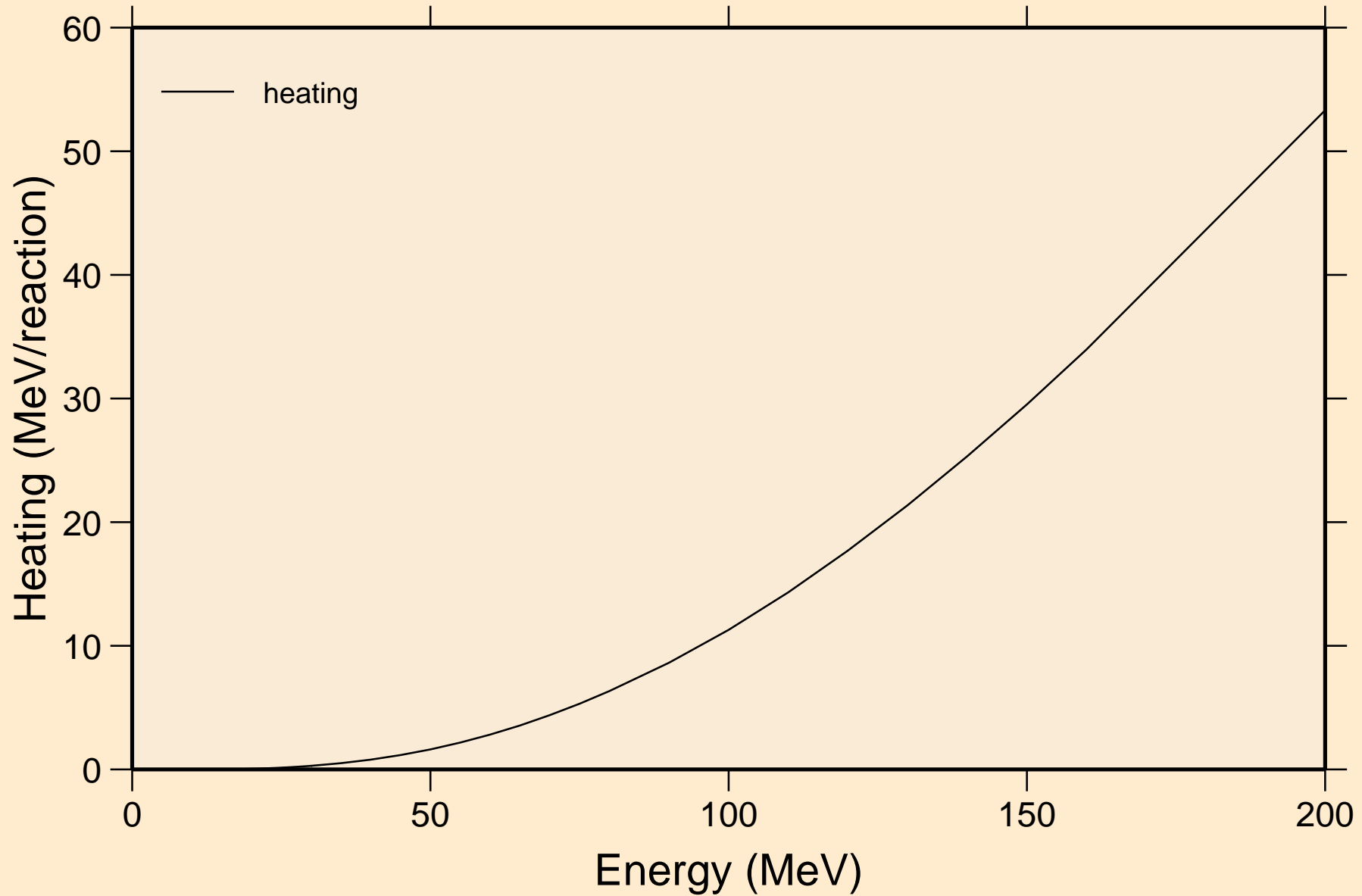
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## Principal cross sections



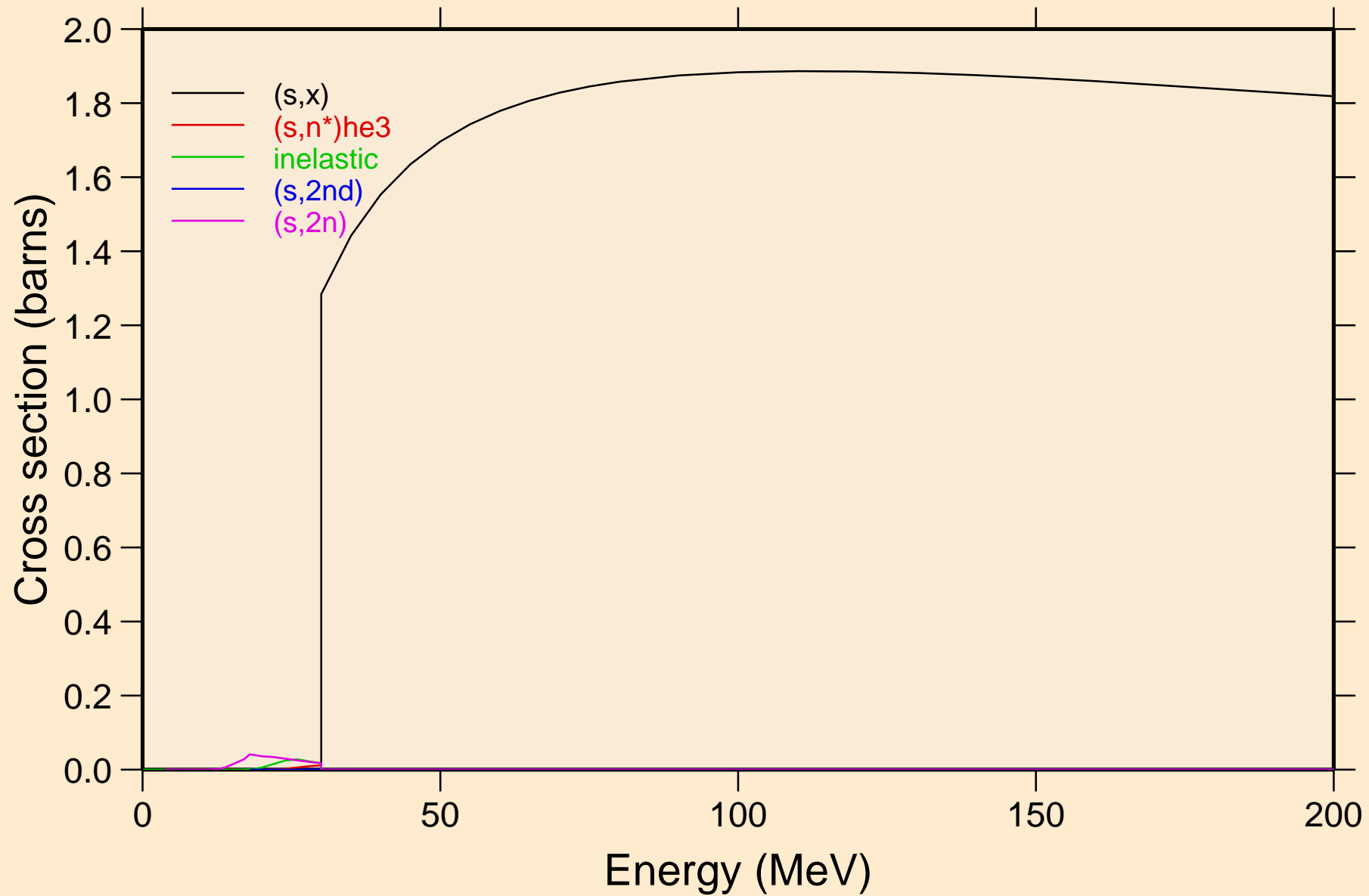
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## Heating



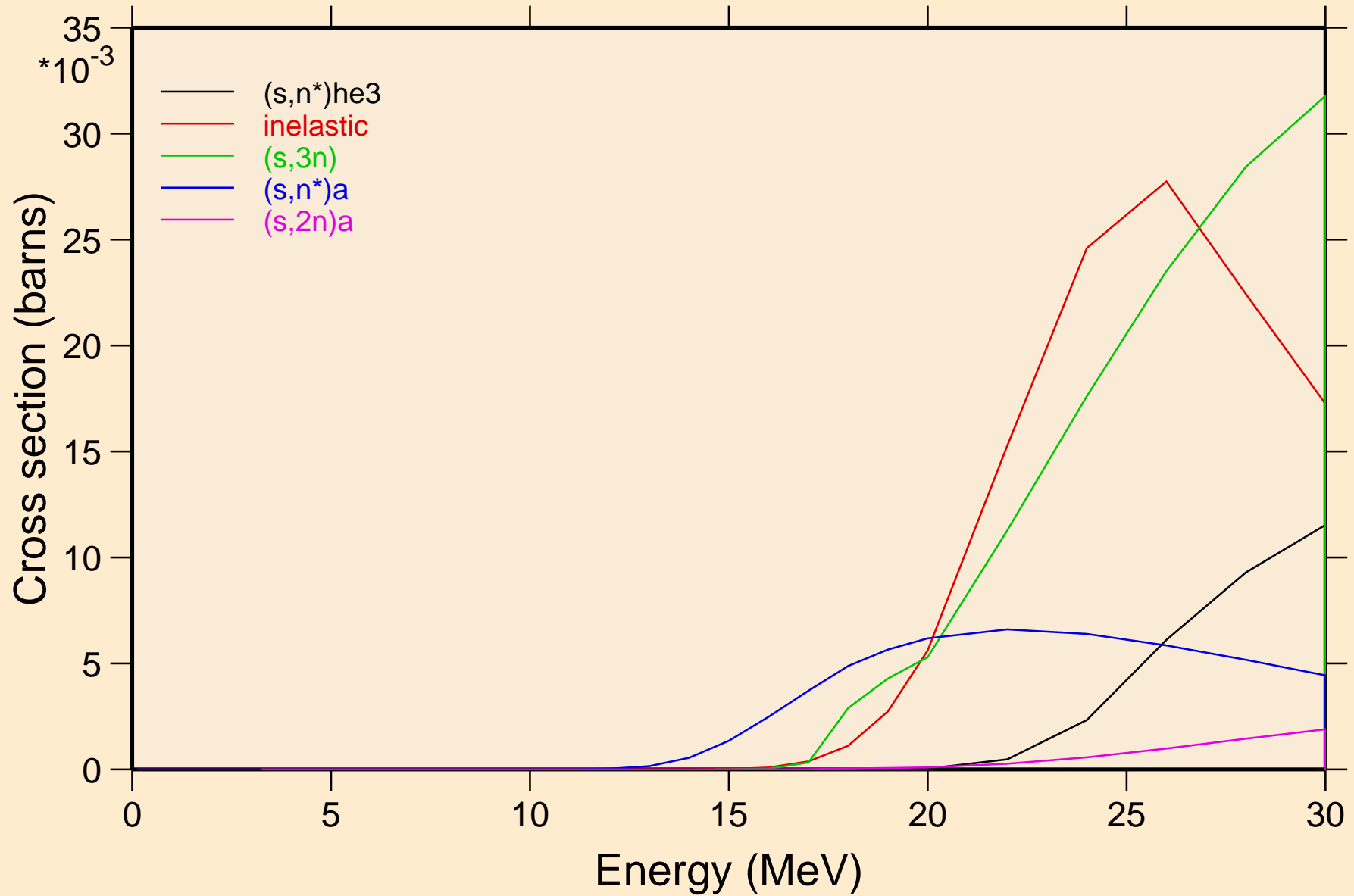
# SN117M HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



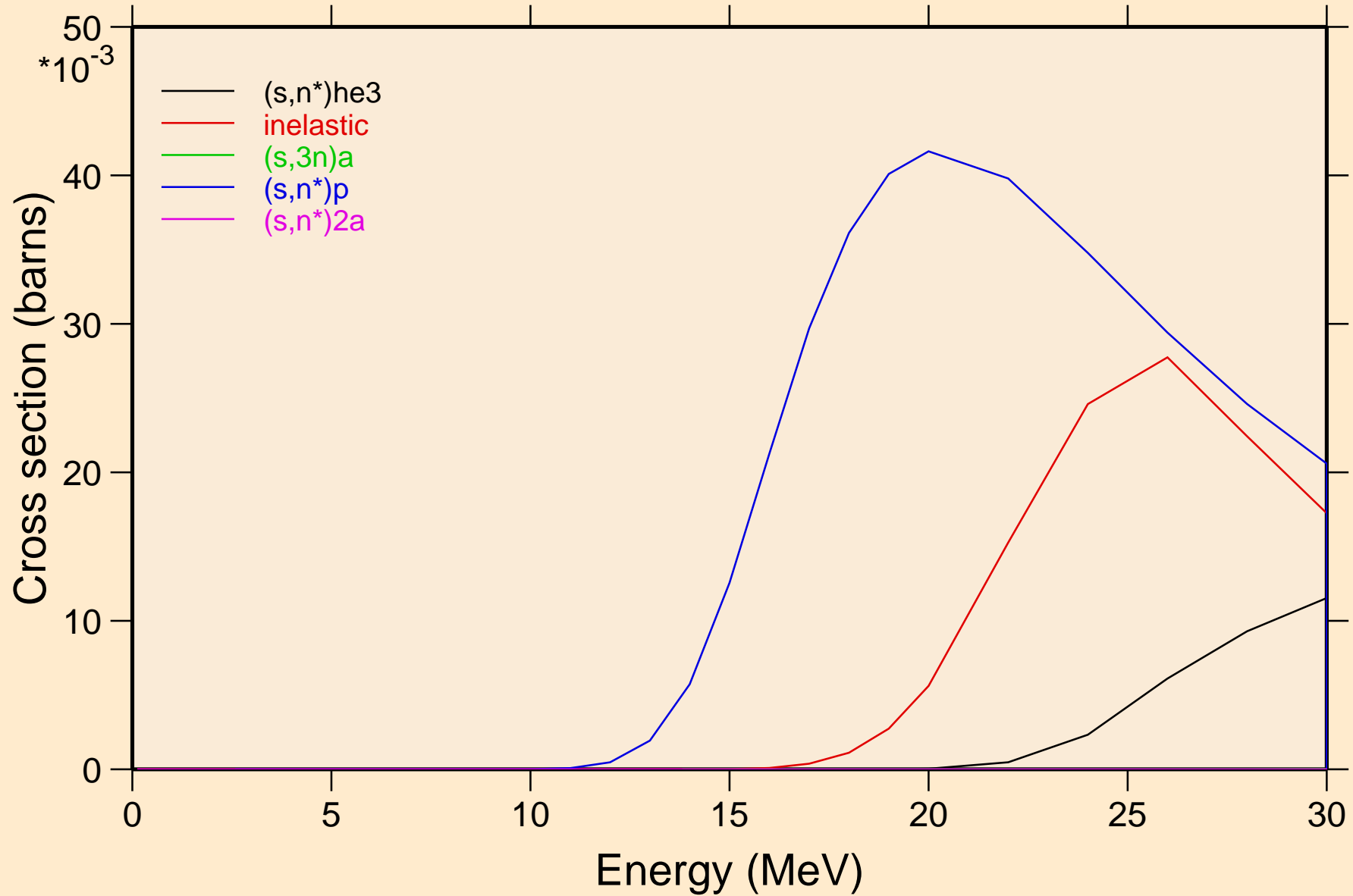
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## Threshold reactions



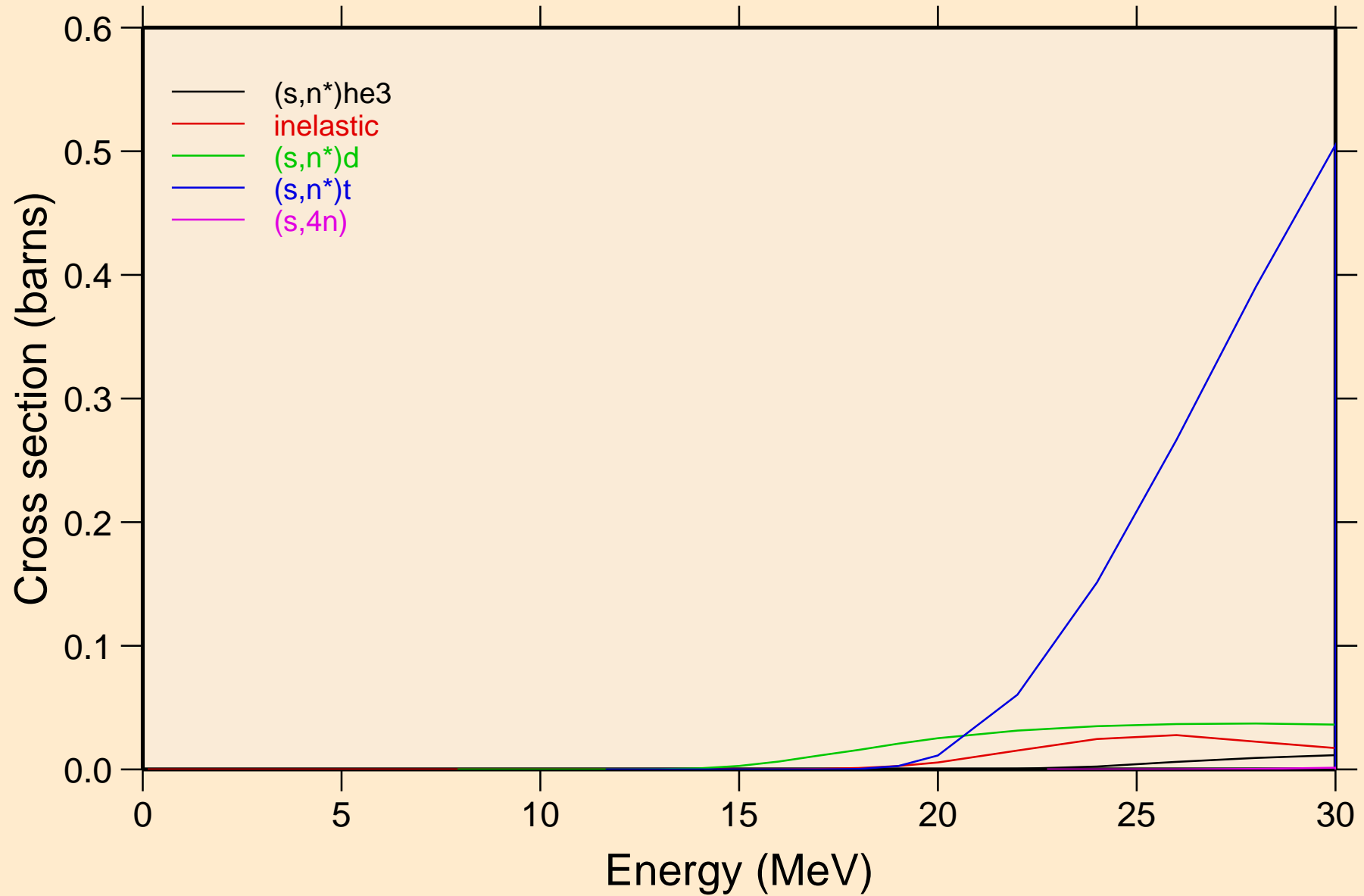
# SN117M HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



# SN117M HELION ACER TENDL-2023 LIBRARY; T=0.K

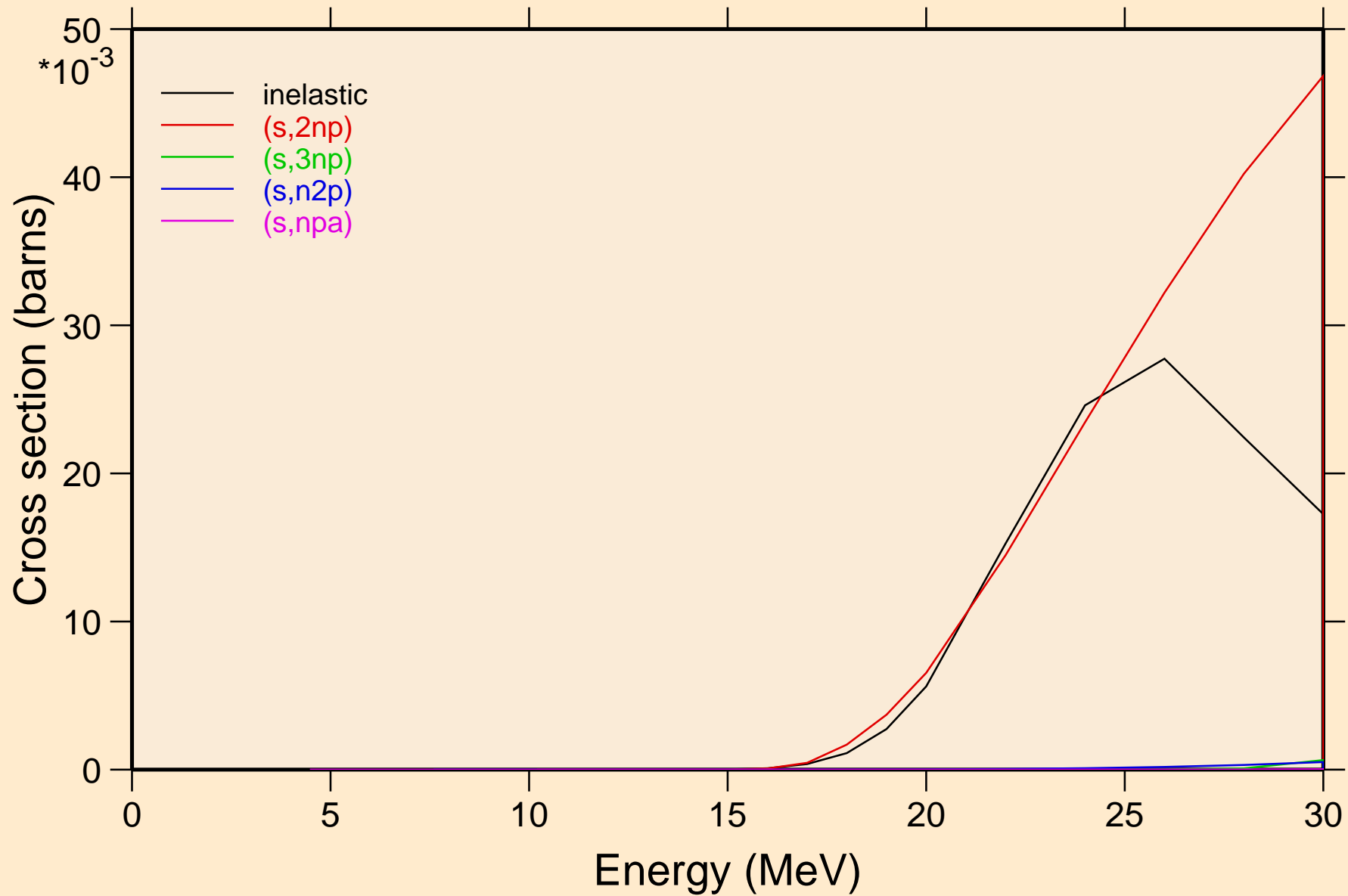
## Threshold reactions





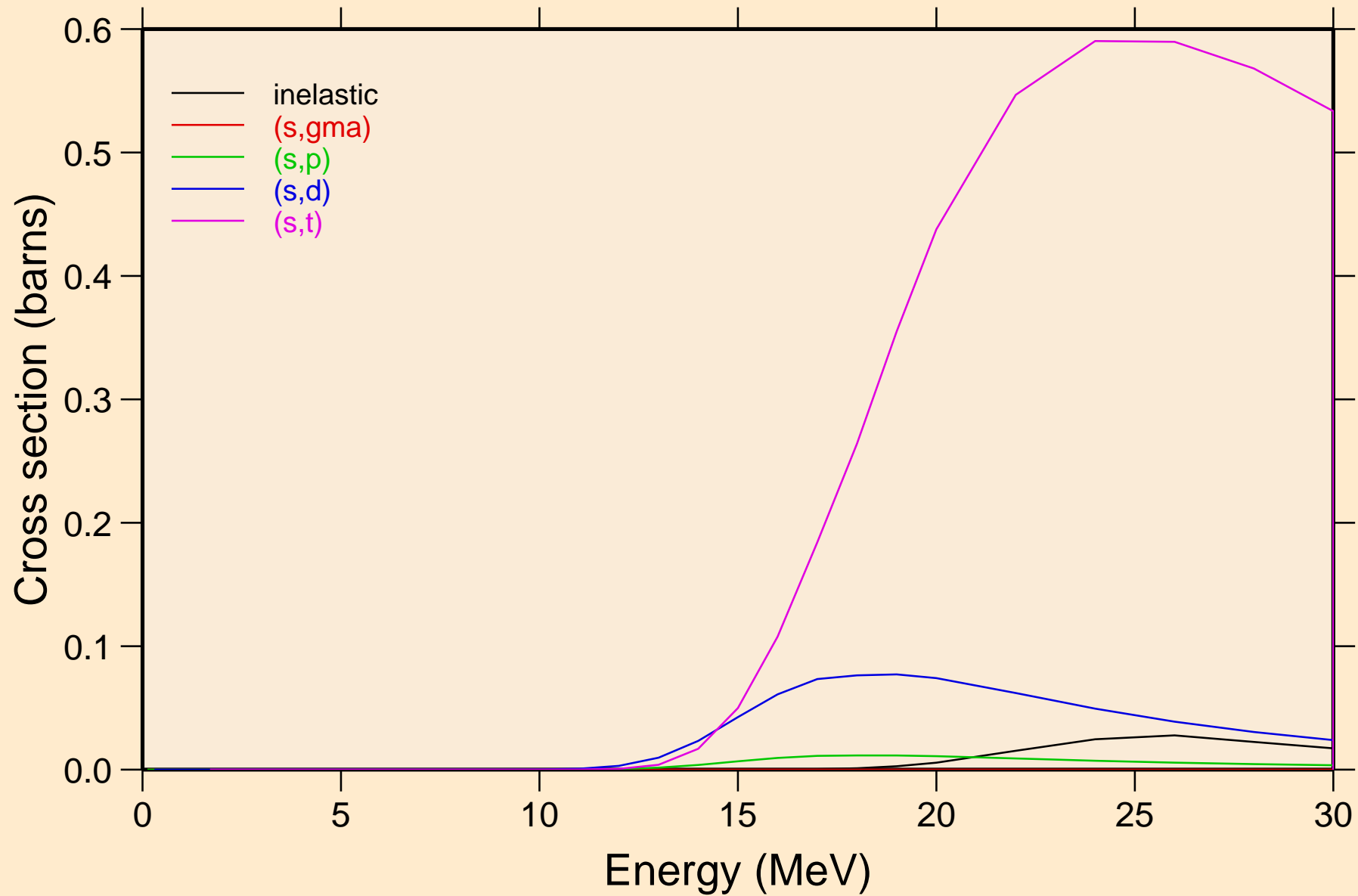
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## Threshold reactions



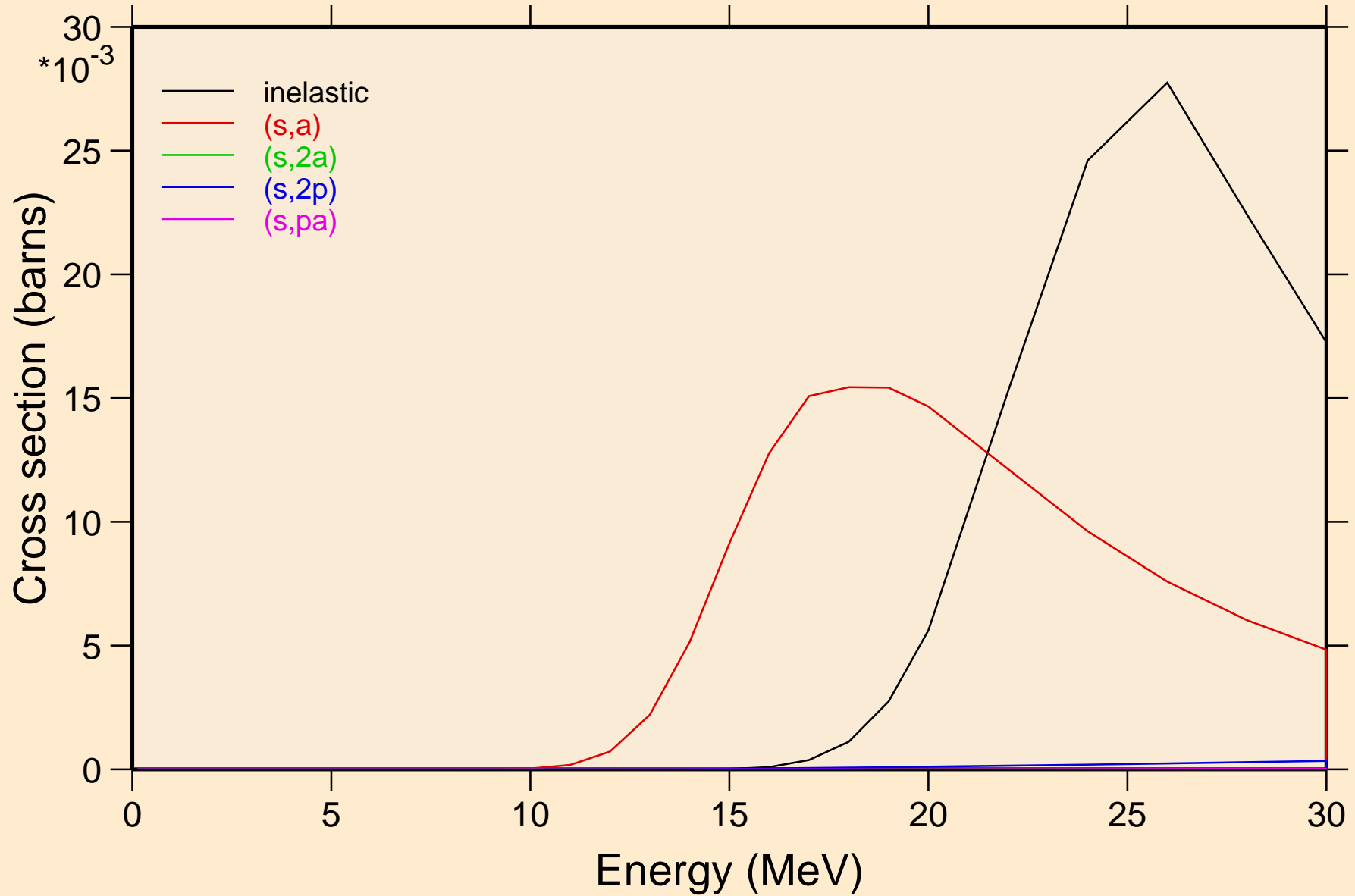
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## Threshold reactions

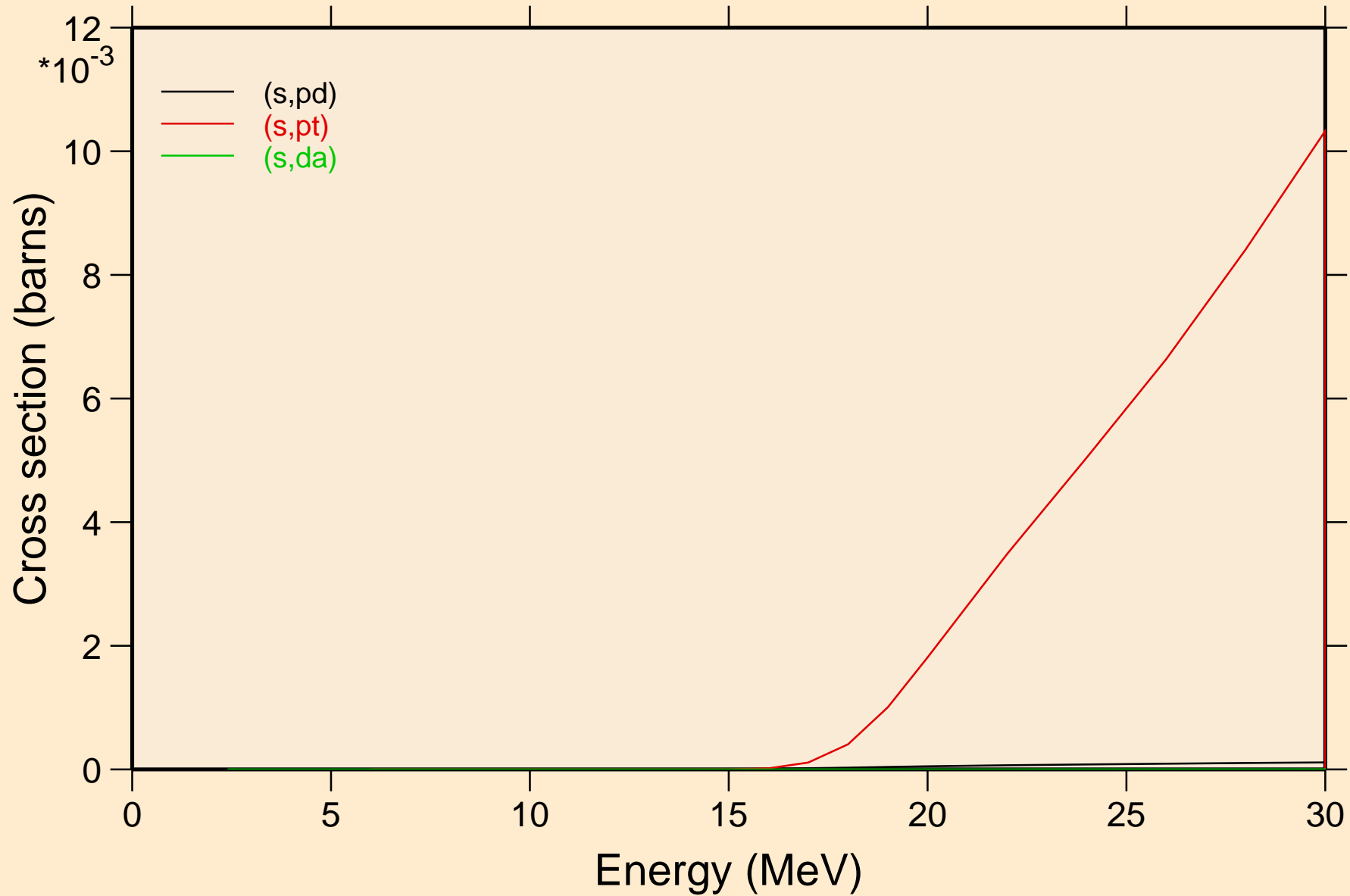


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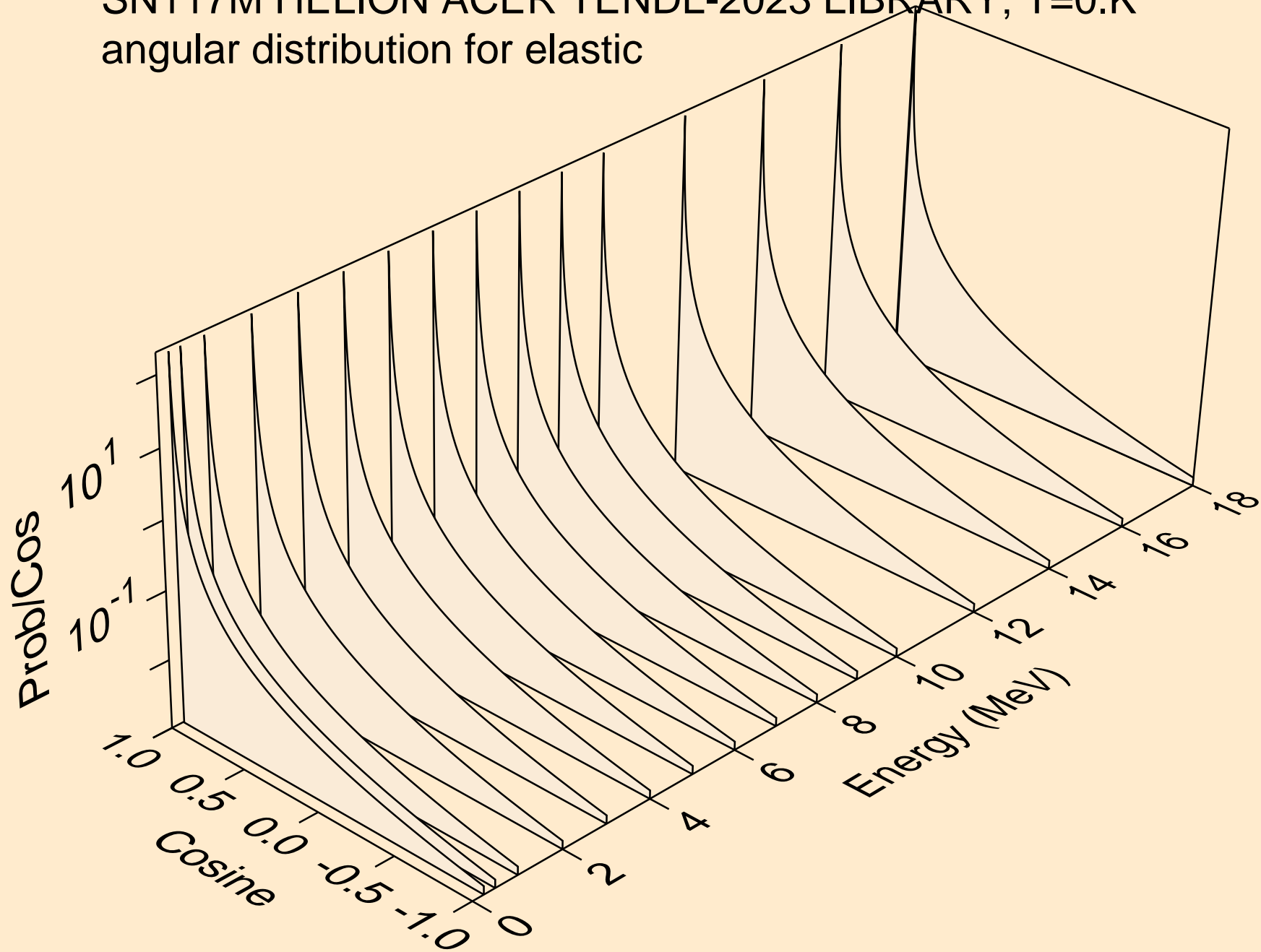
## Threshold reactions



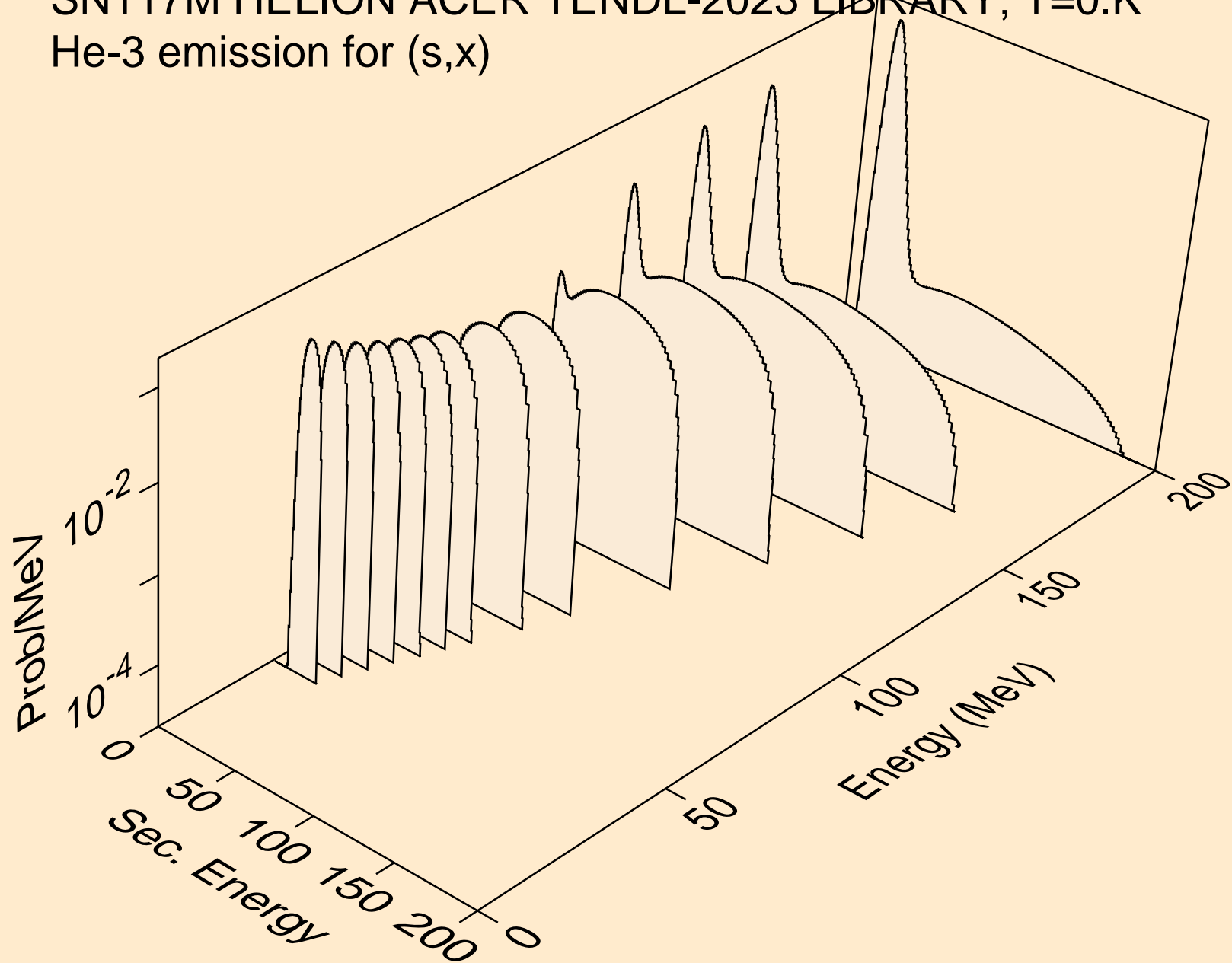
SN117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



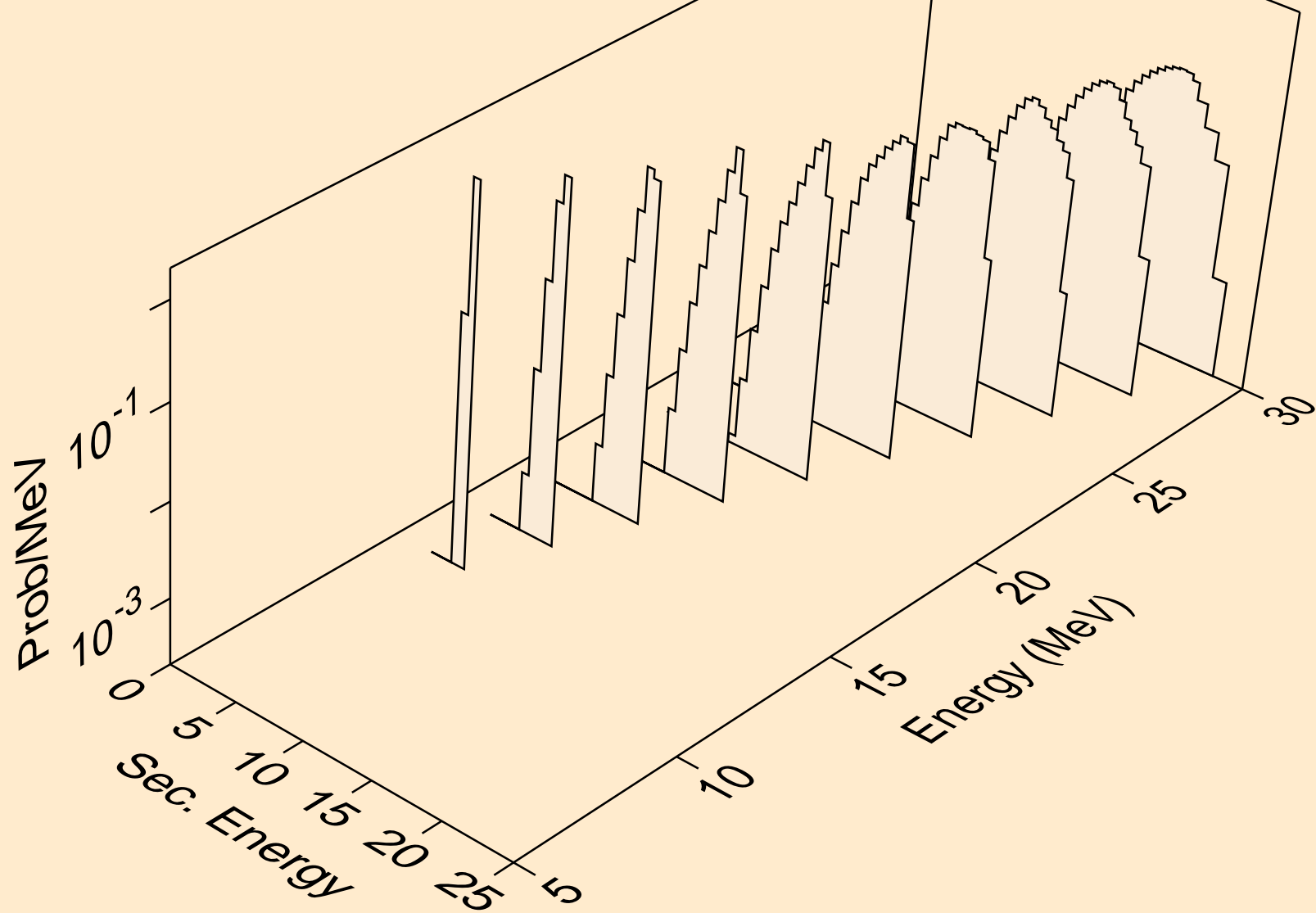
SN117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



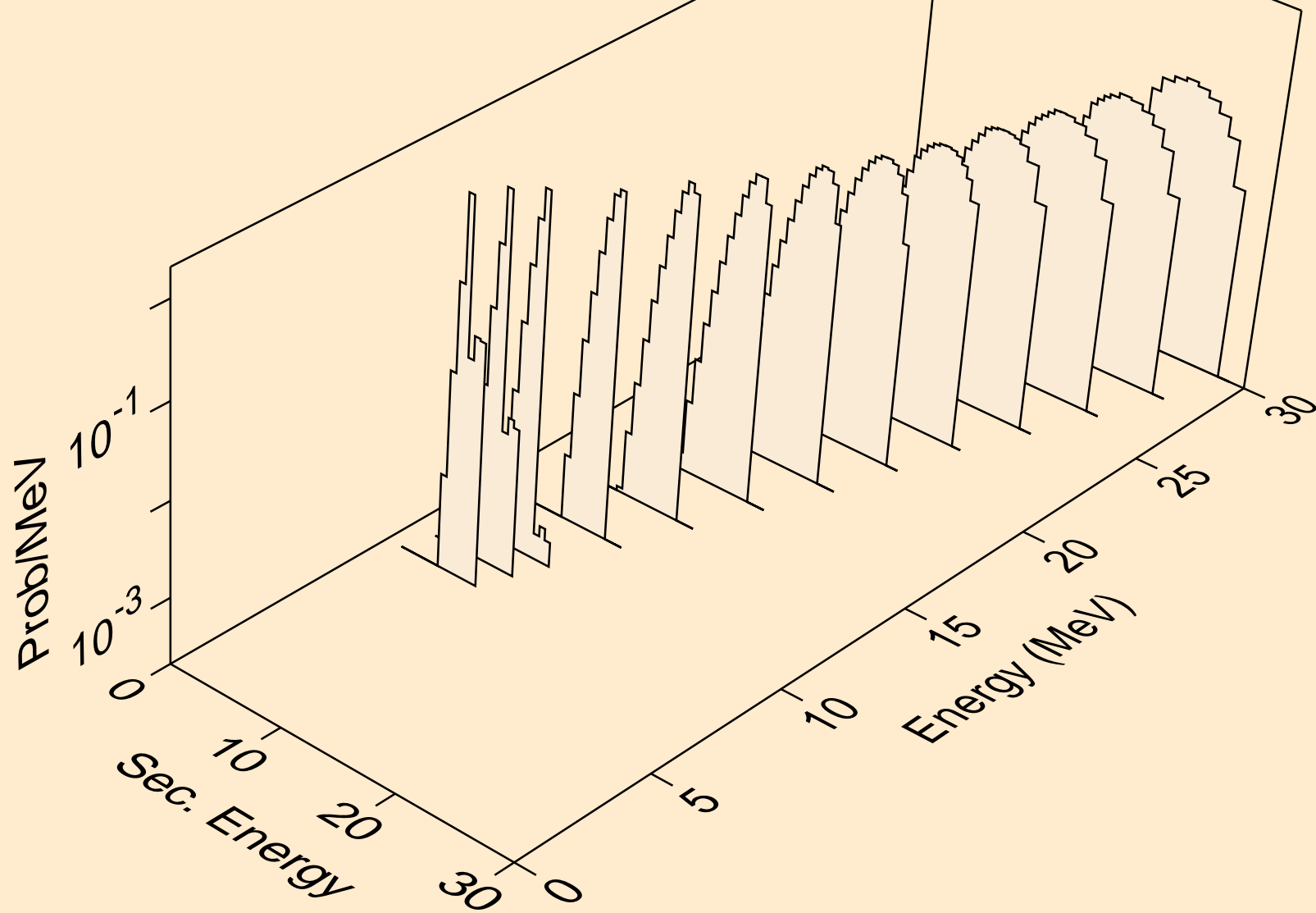
SN117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)



SN117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

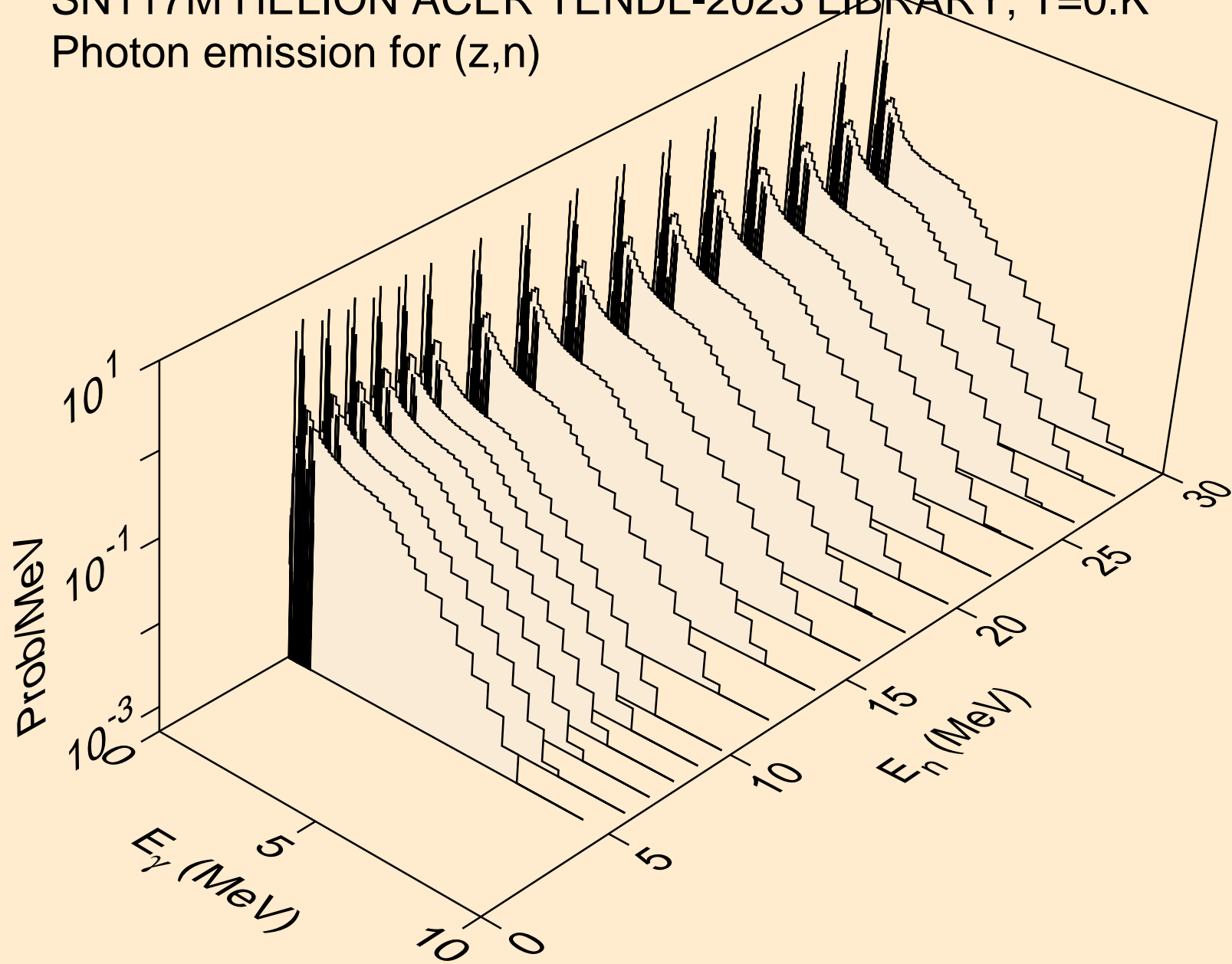


SN117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic

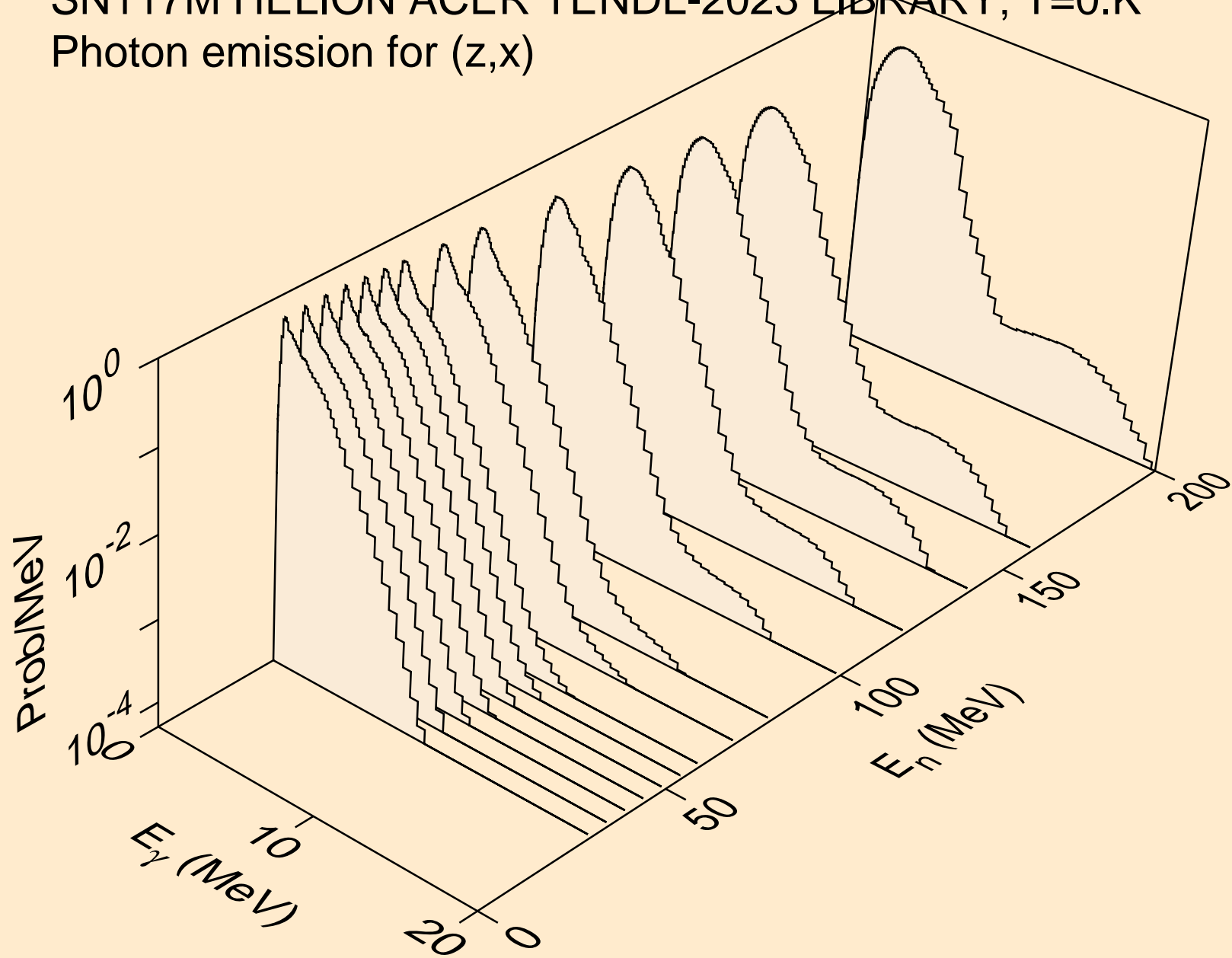




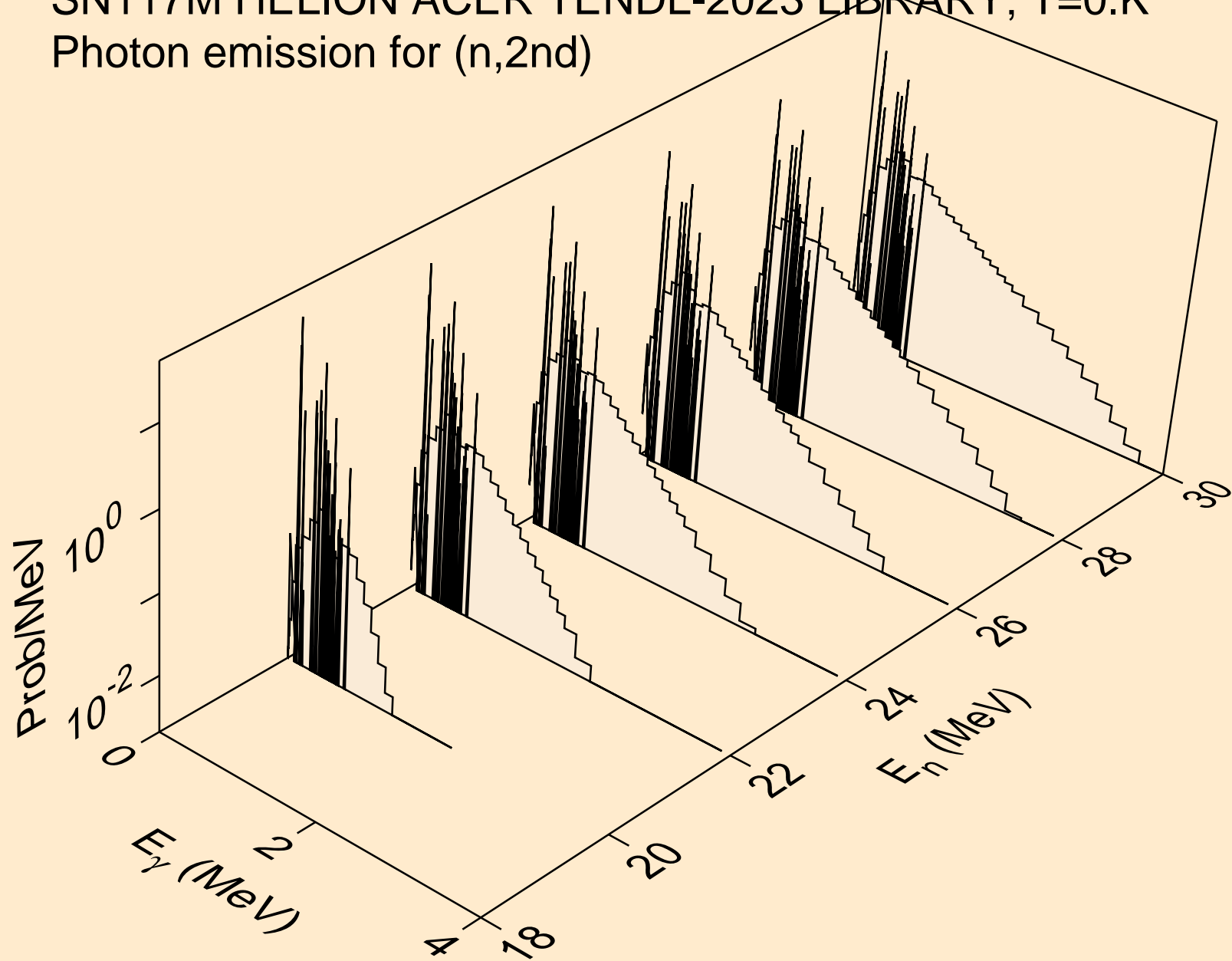
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Photon emission for (z,n)



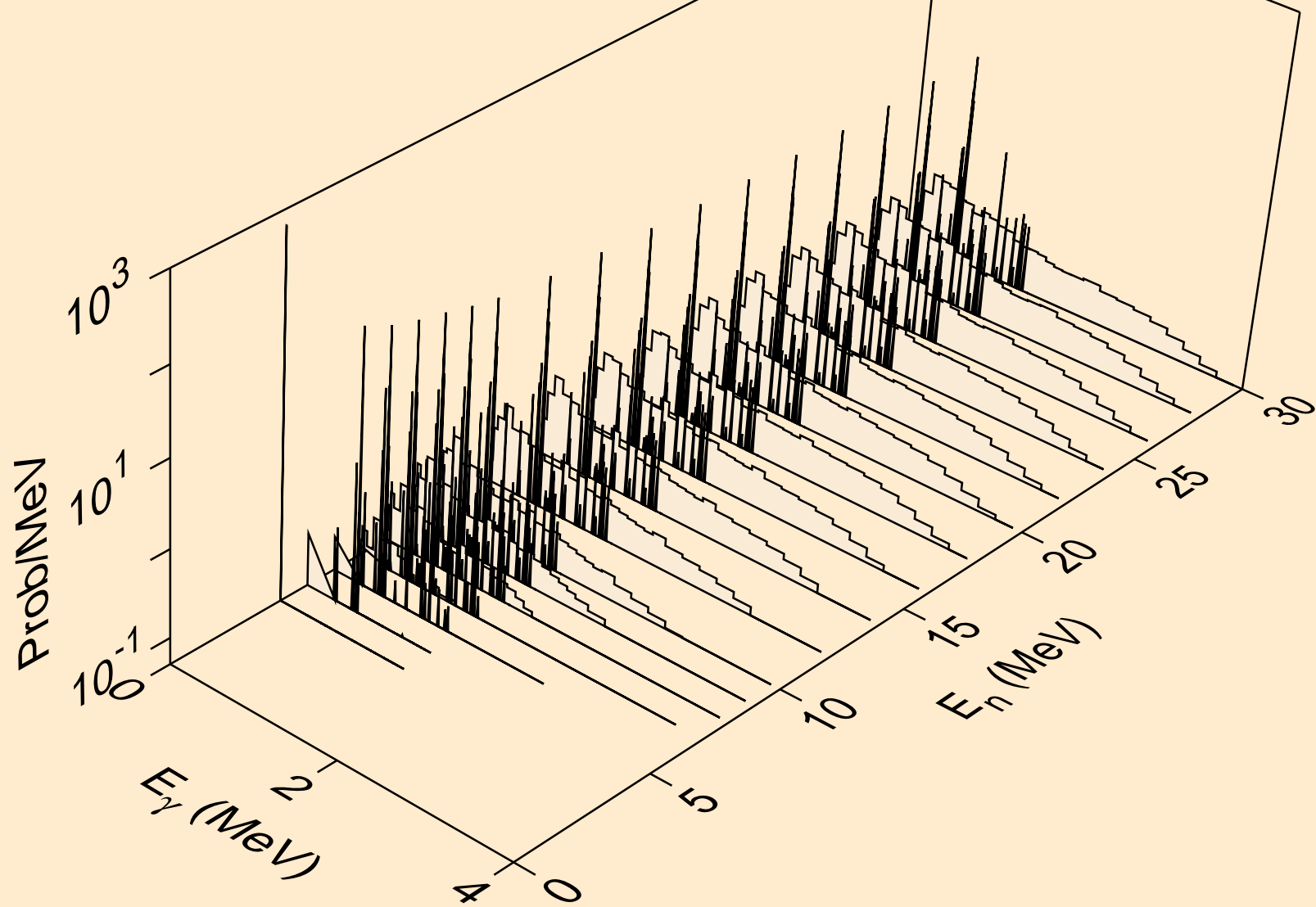
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Photon emission for (z,x)



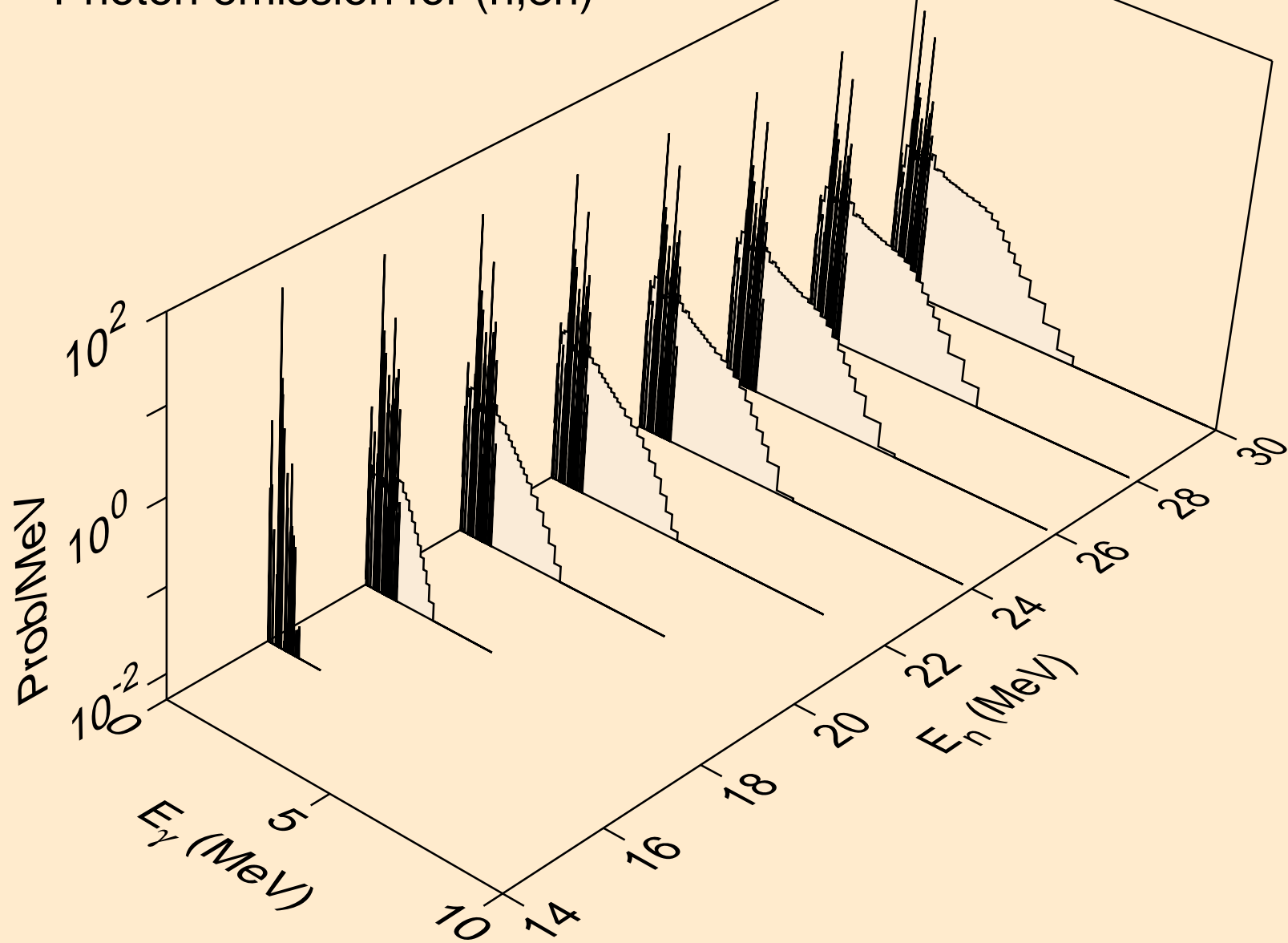
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Photon emission for (n,2nd)



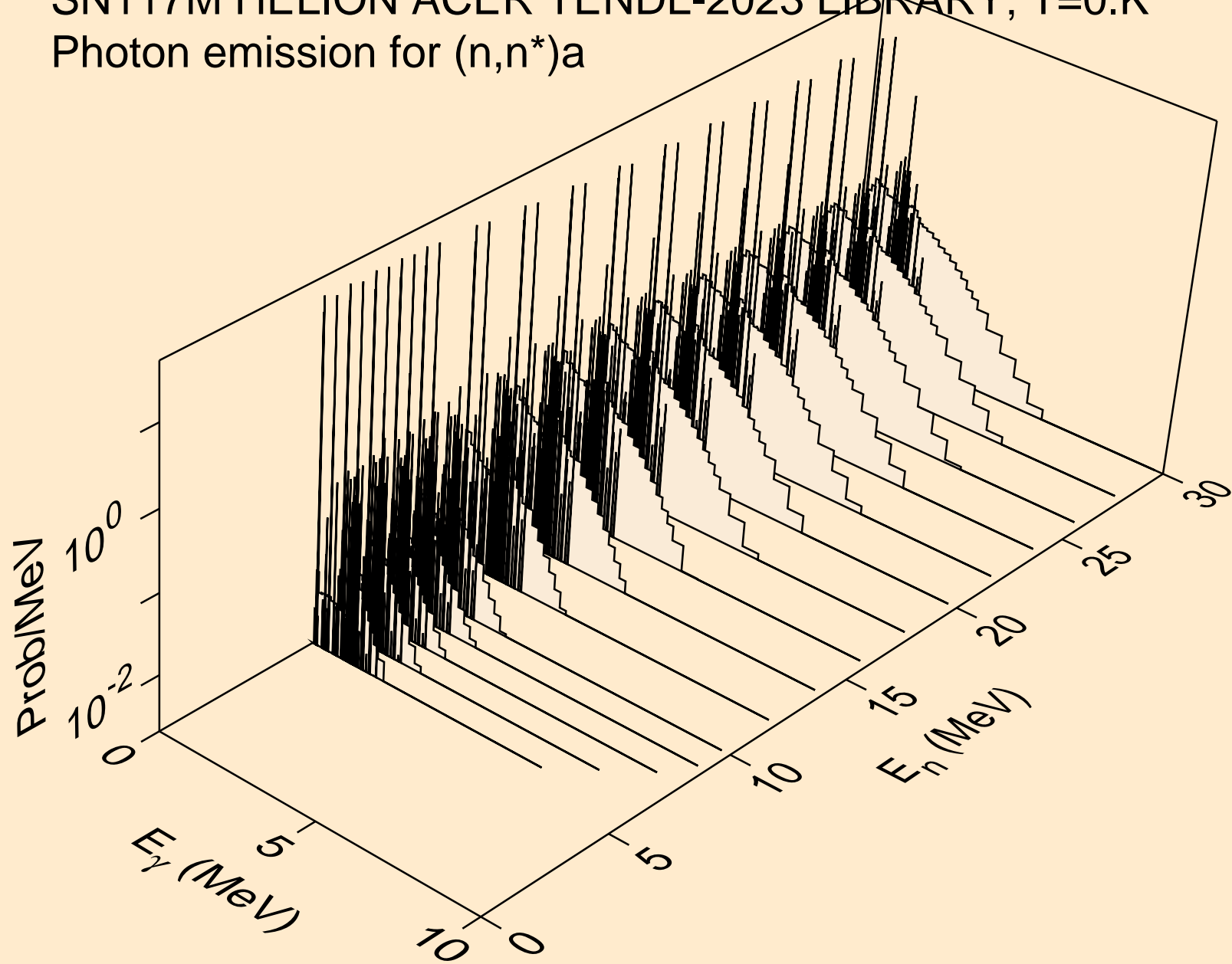
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Photon emission for (n,2n)



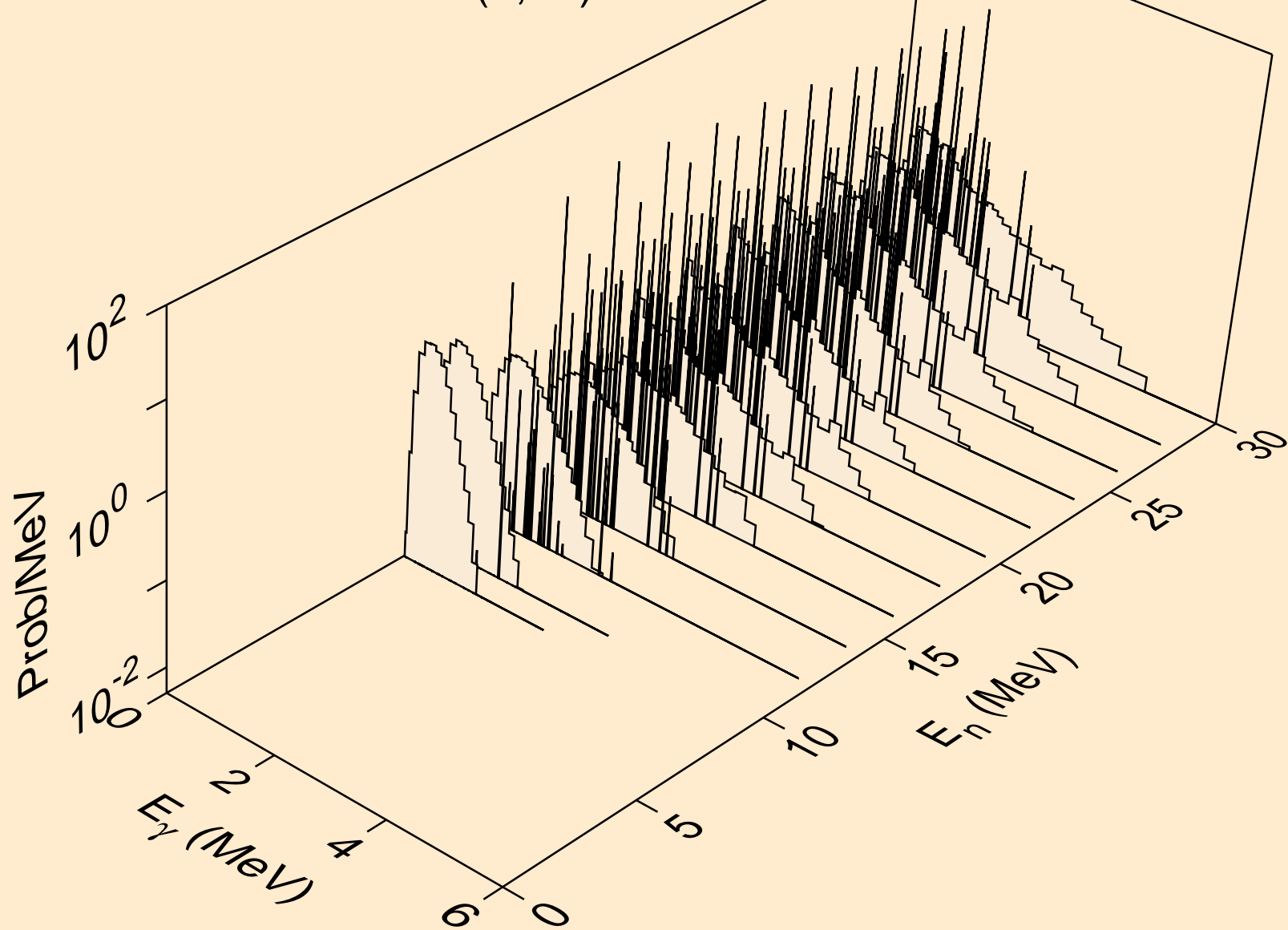
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Photon emission for (n,3n)



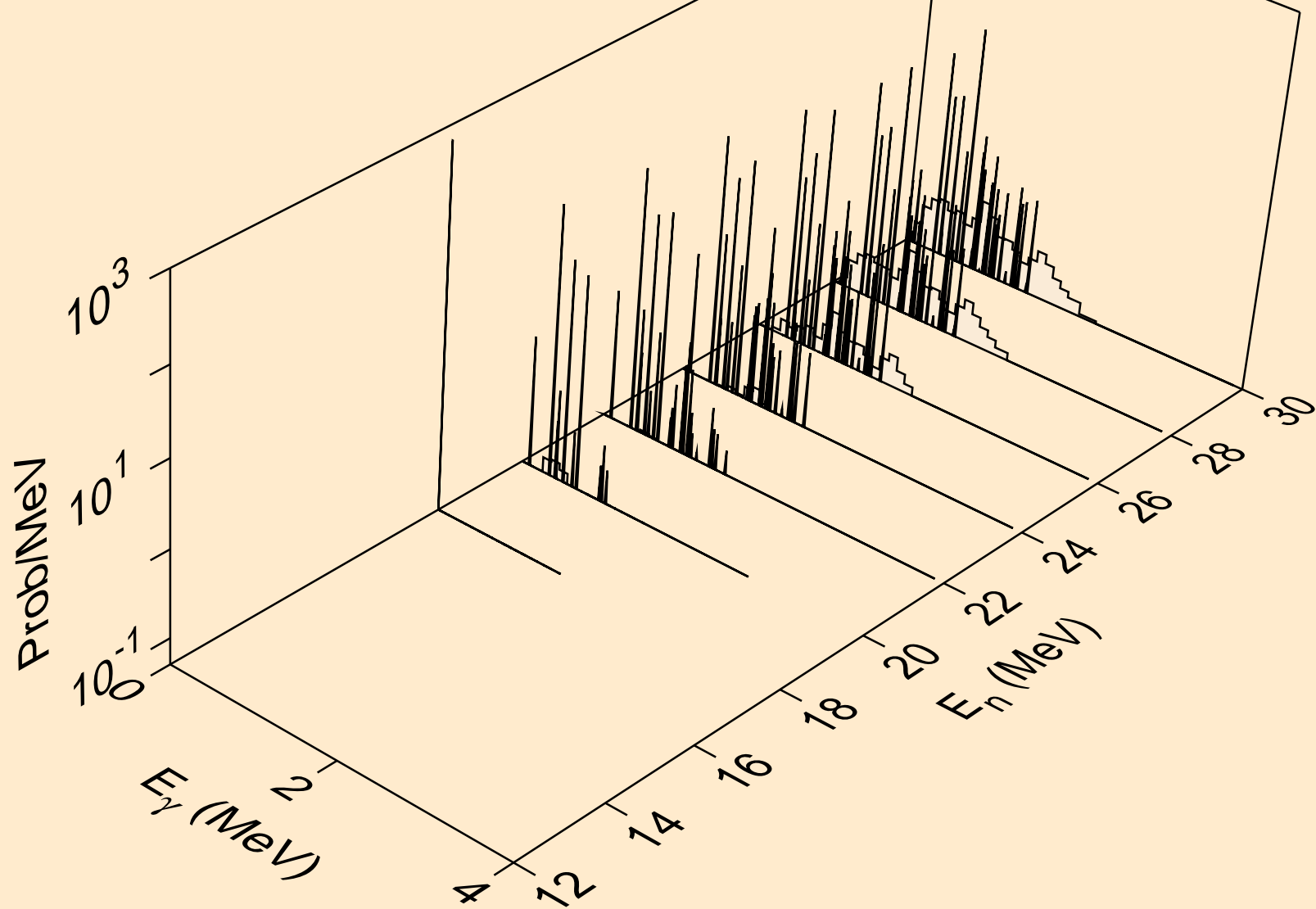
SN117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



SN117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

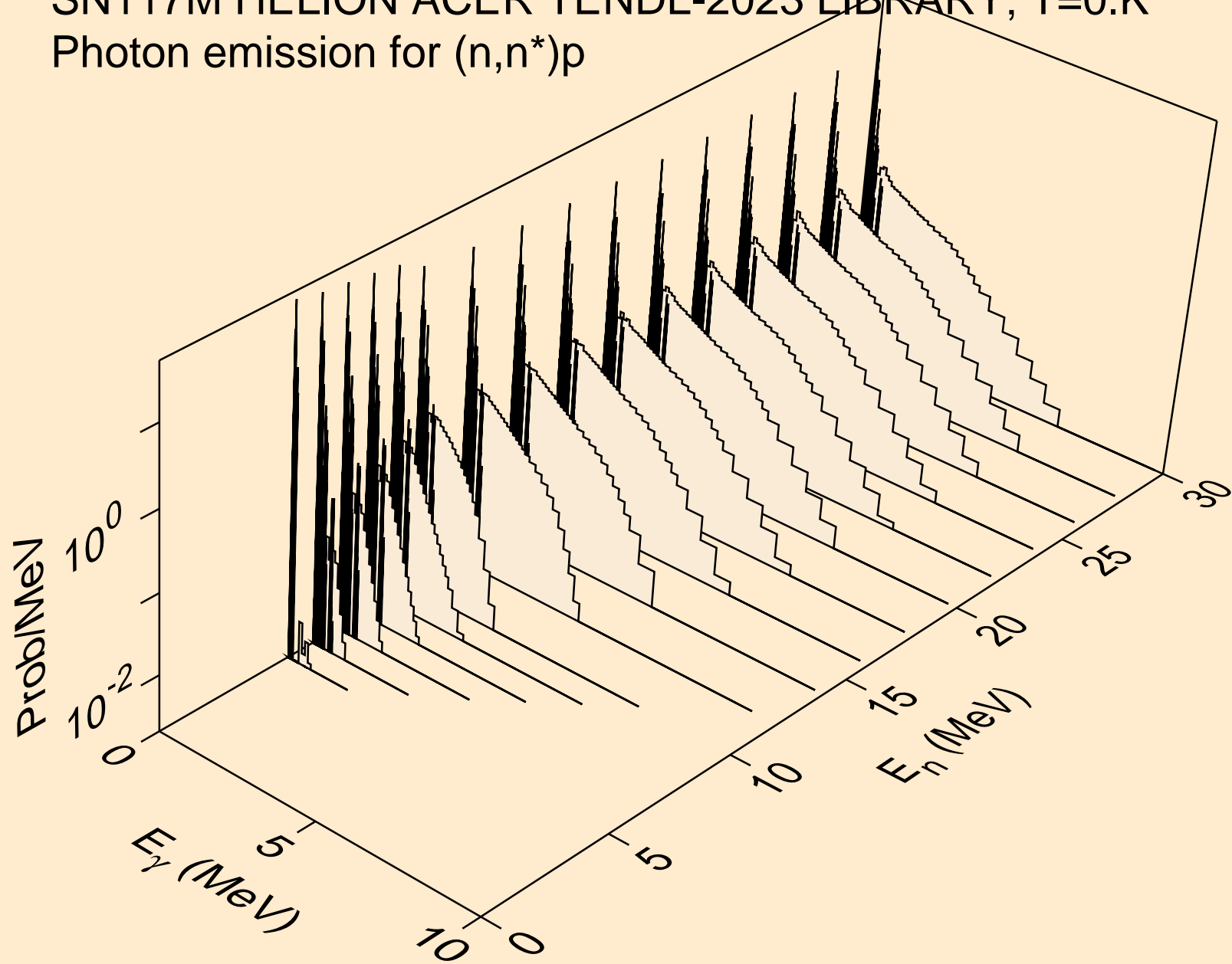


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Photon emission for (n,3n)a

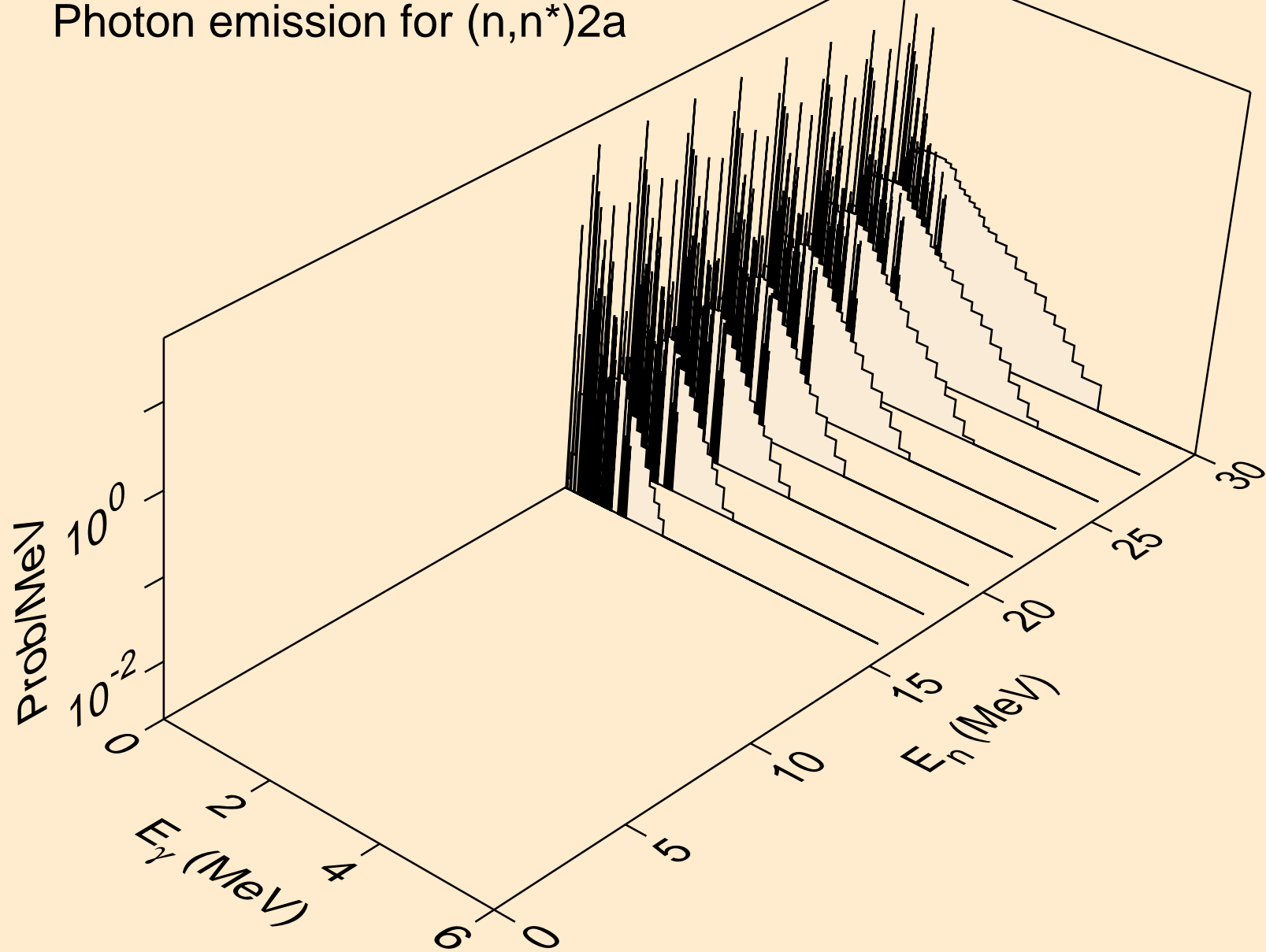




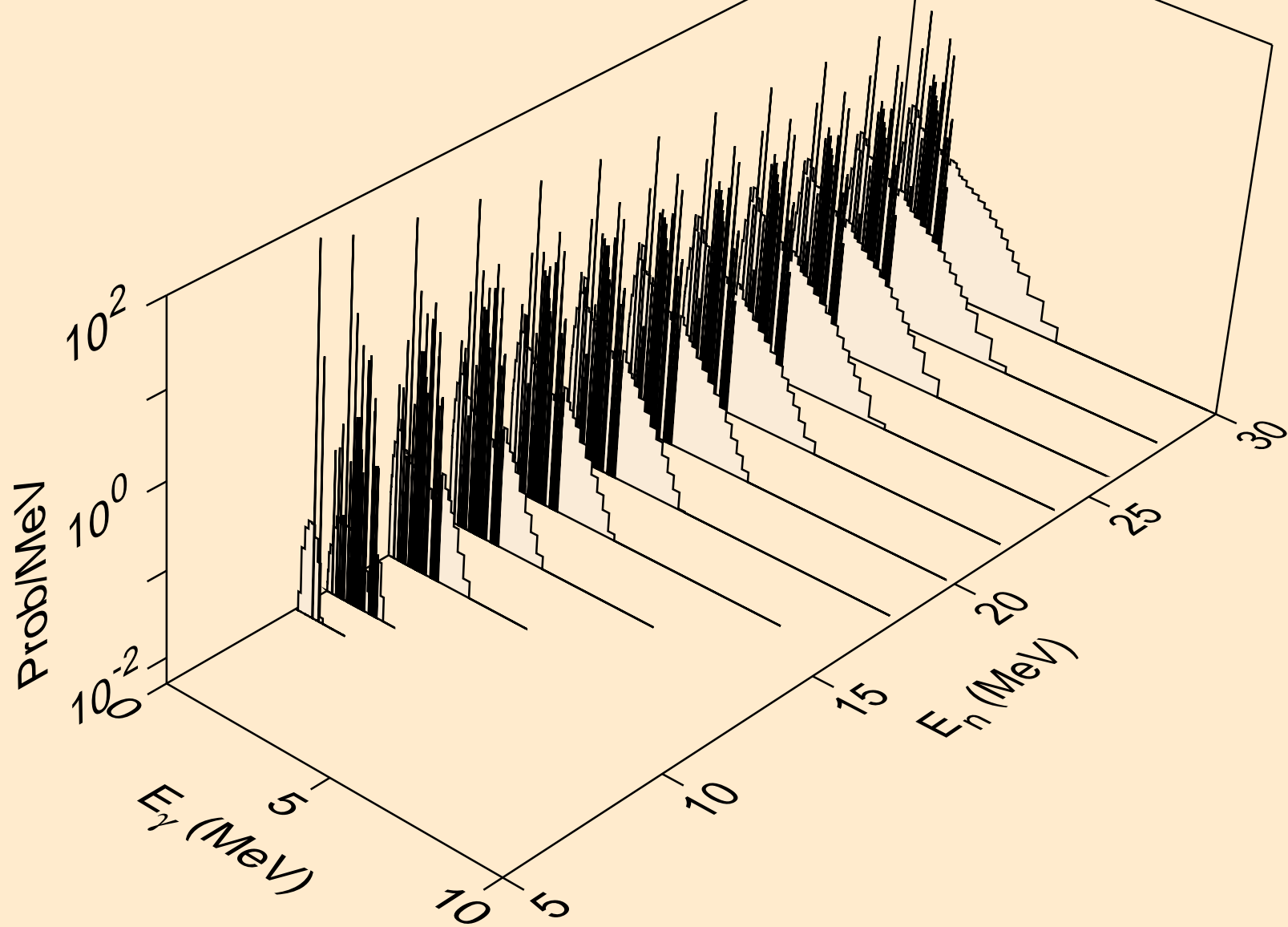
SN117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



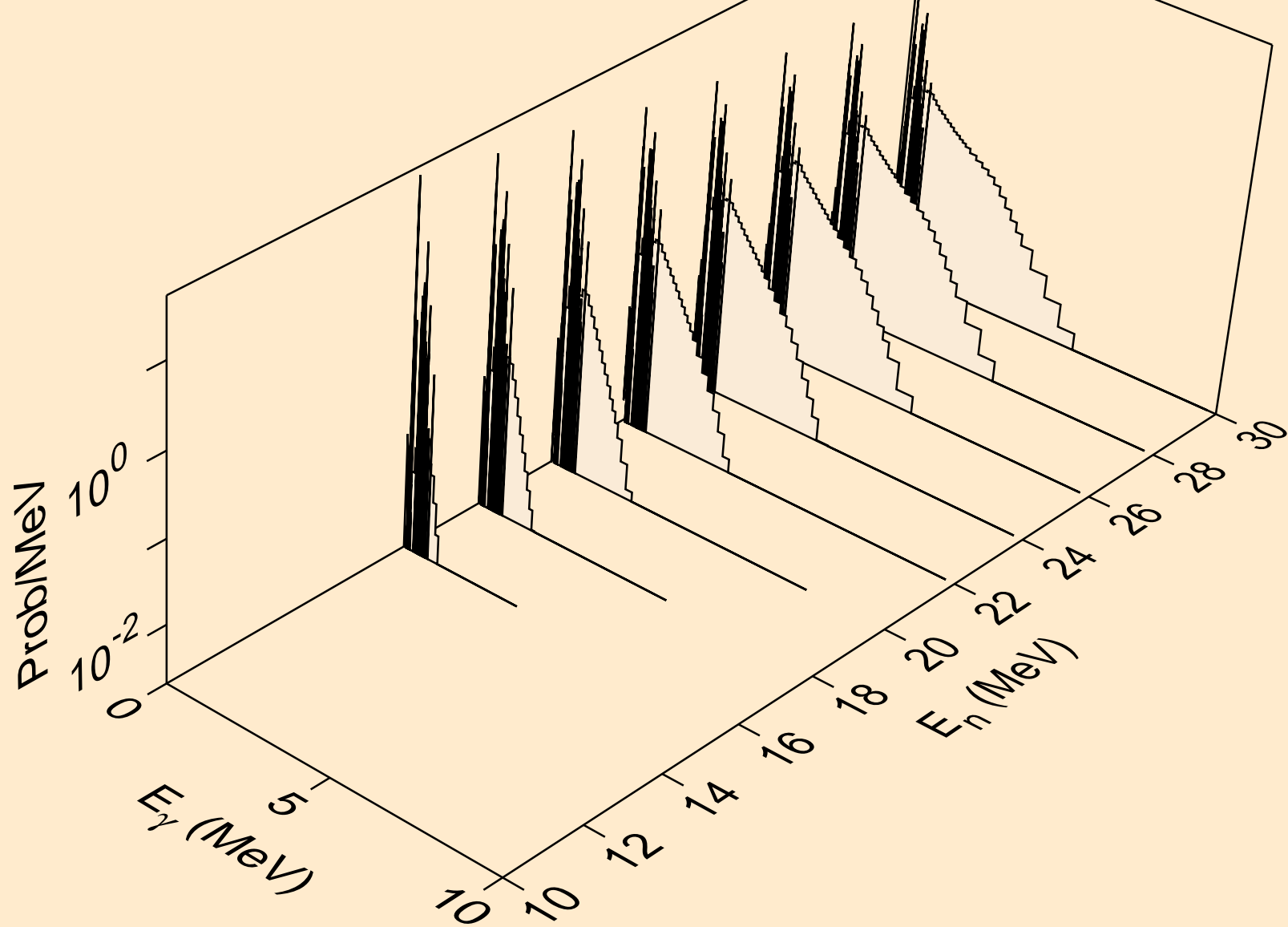
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Photon emission for (n,n\*)2a



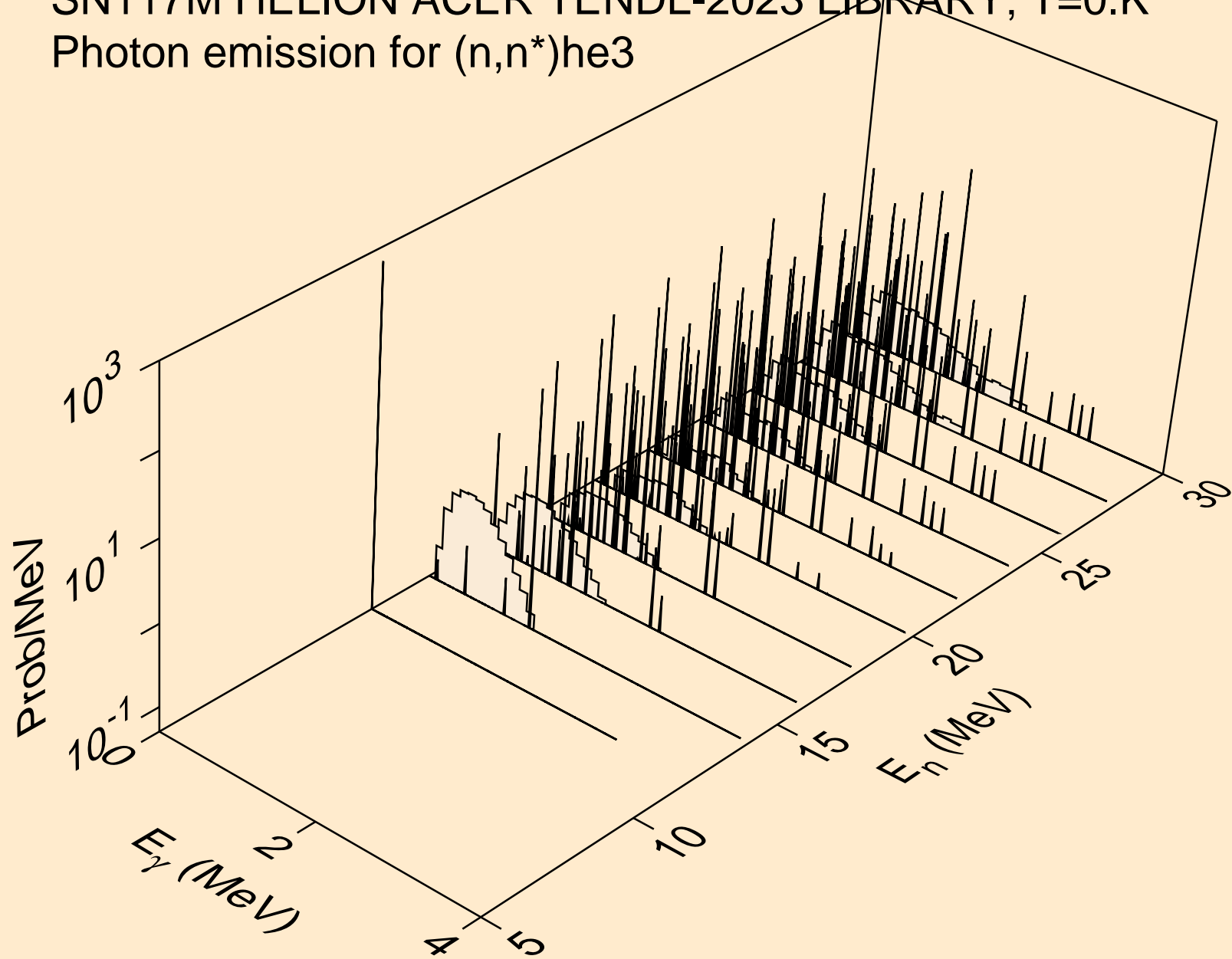
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Photon emission for (n,n\*)d



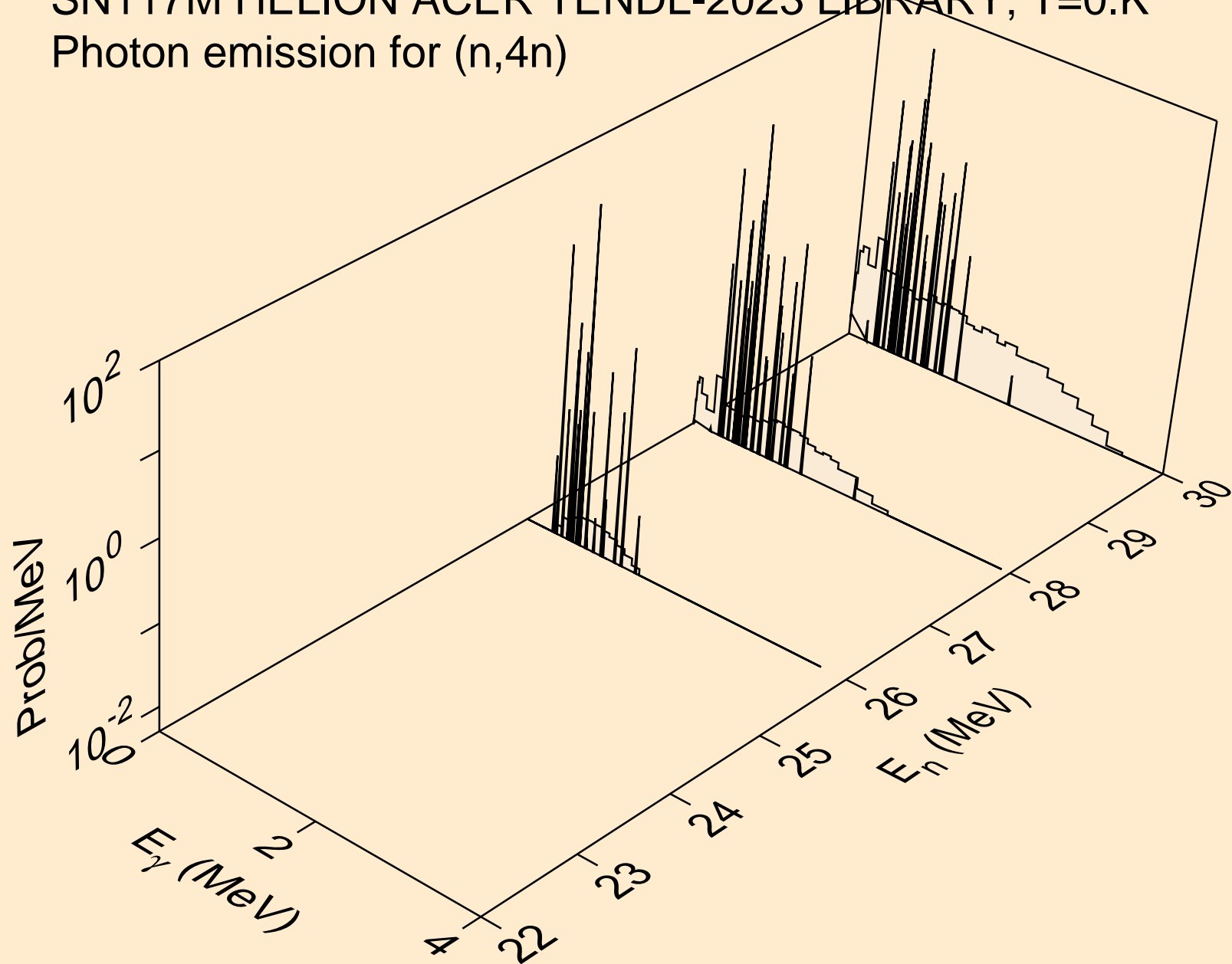
SN117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



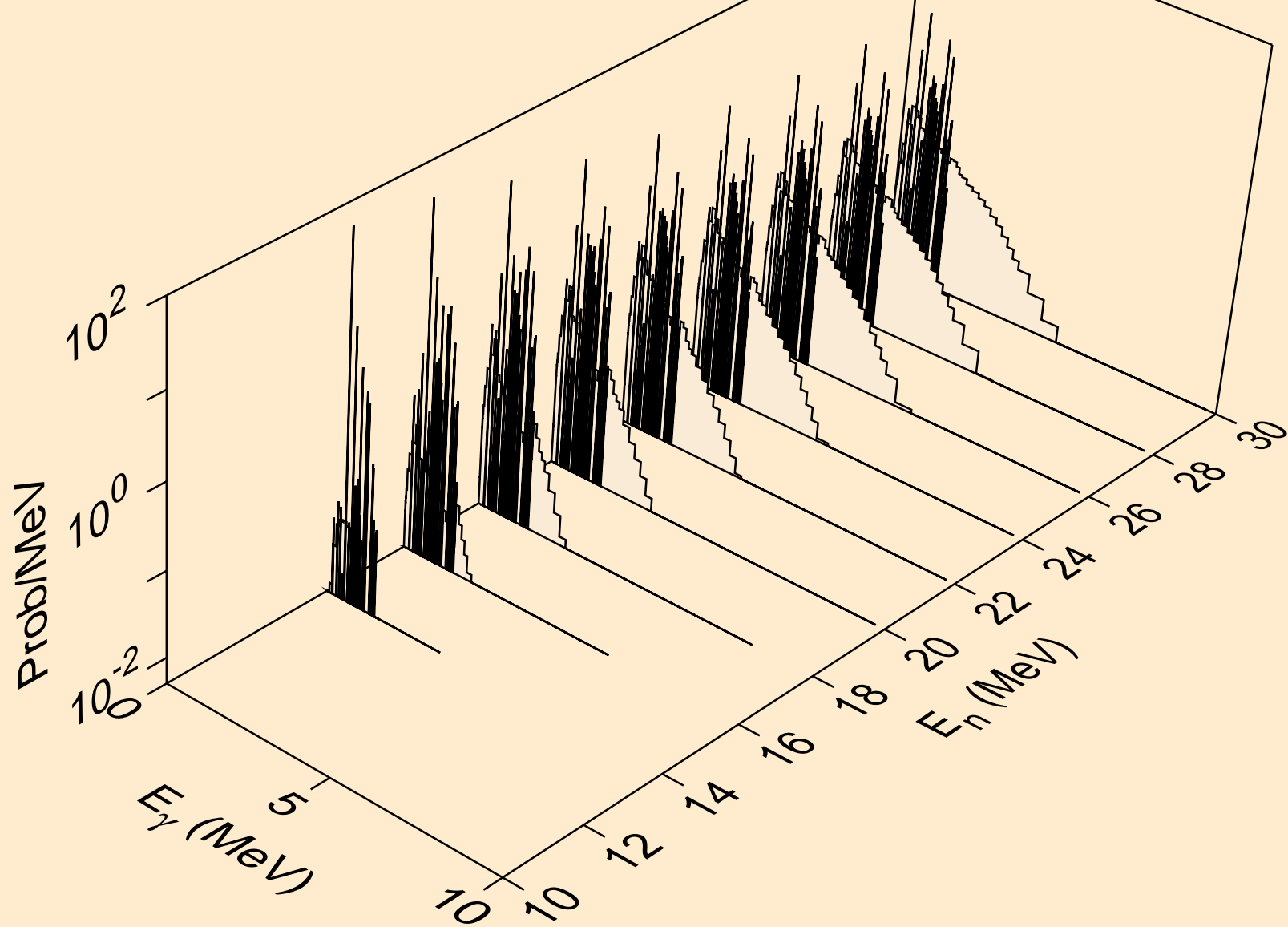
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Photon emission for (n,n\*)he3



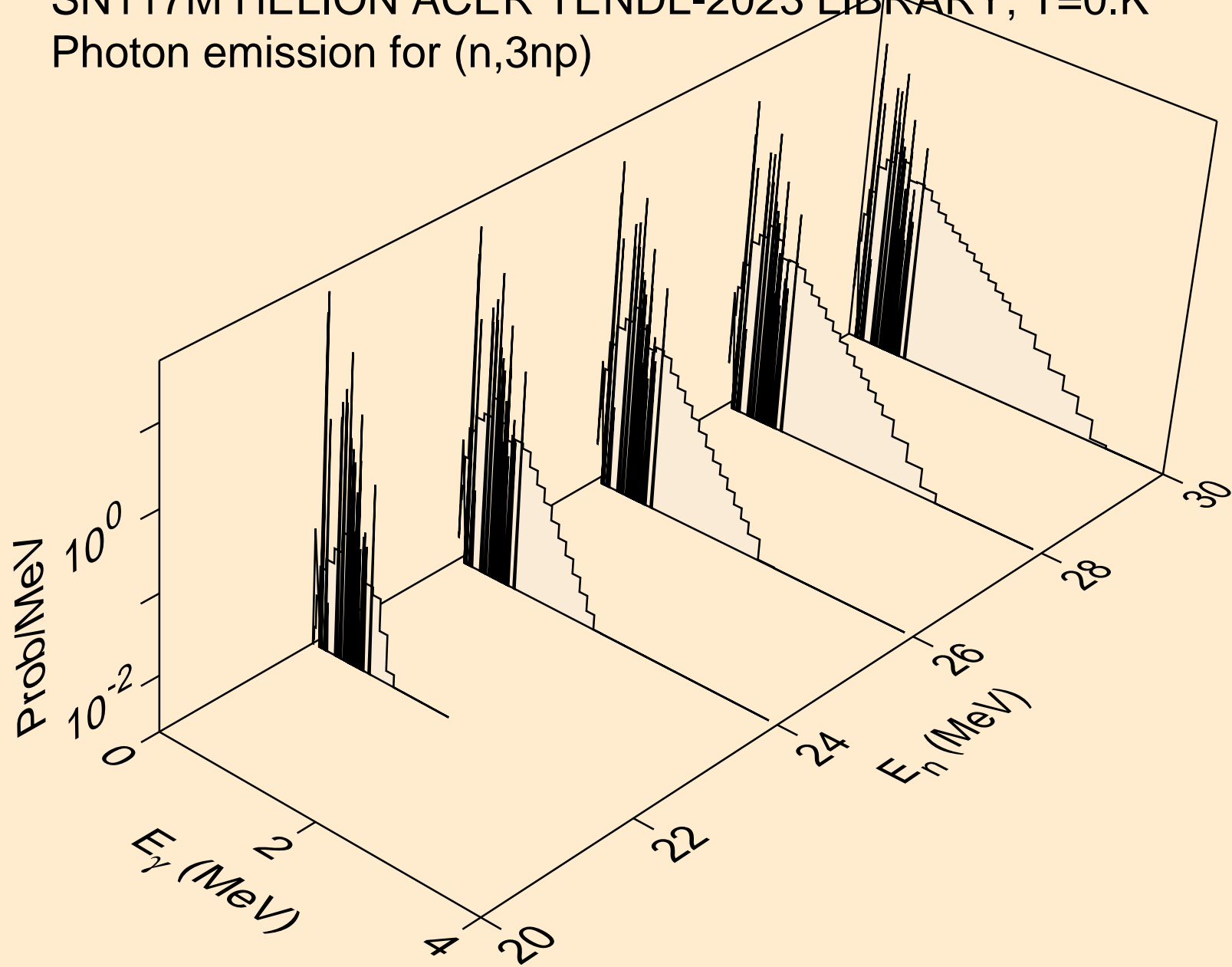
SN117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



SN117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

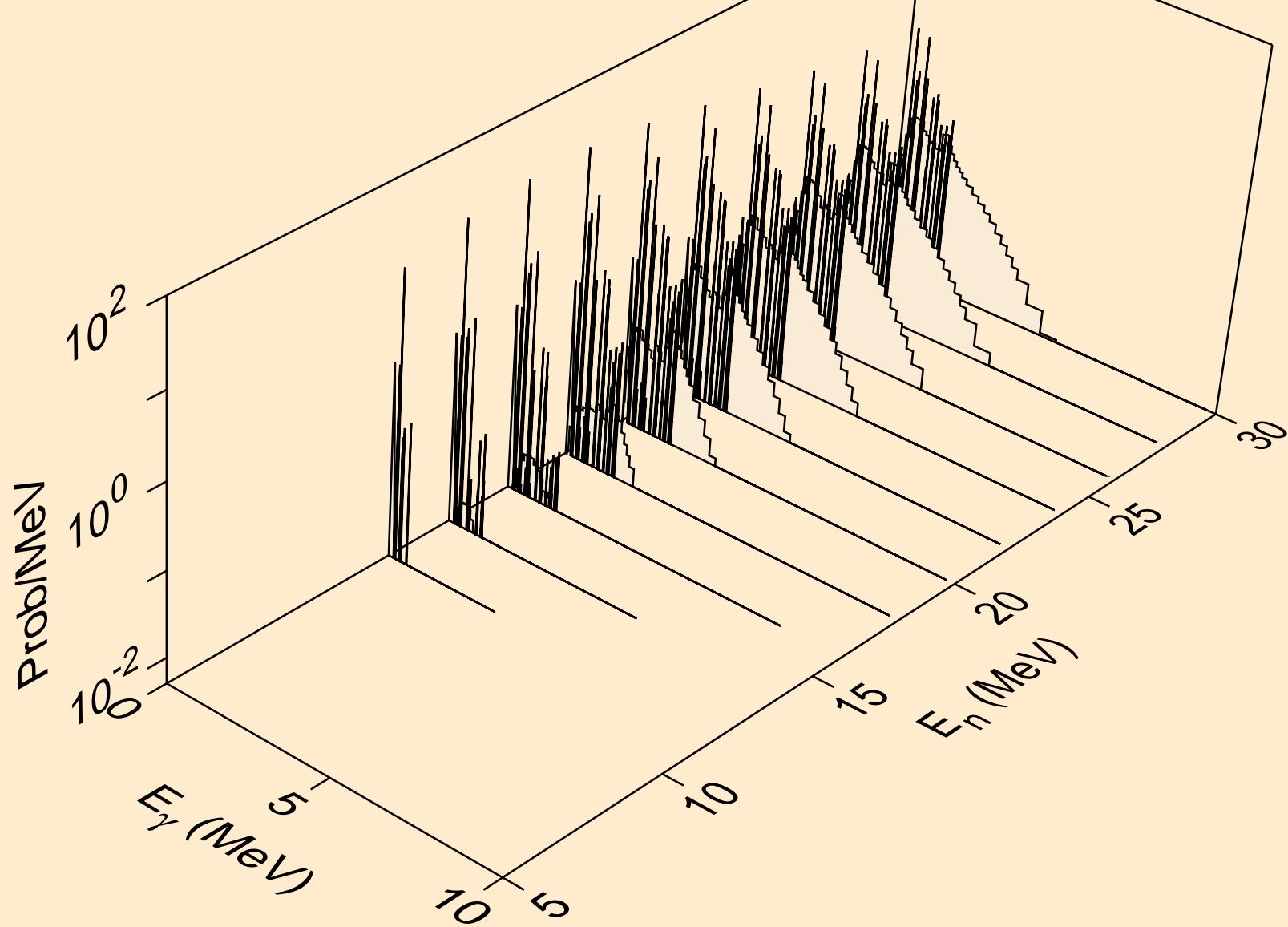


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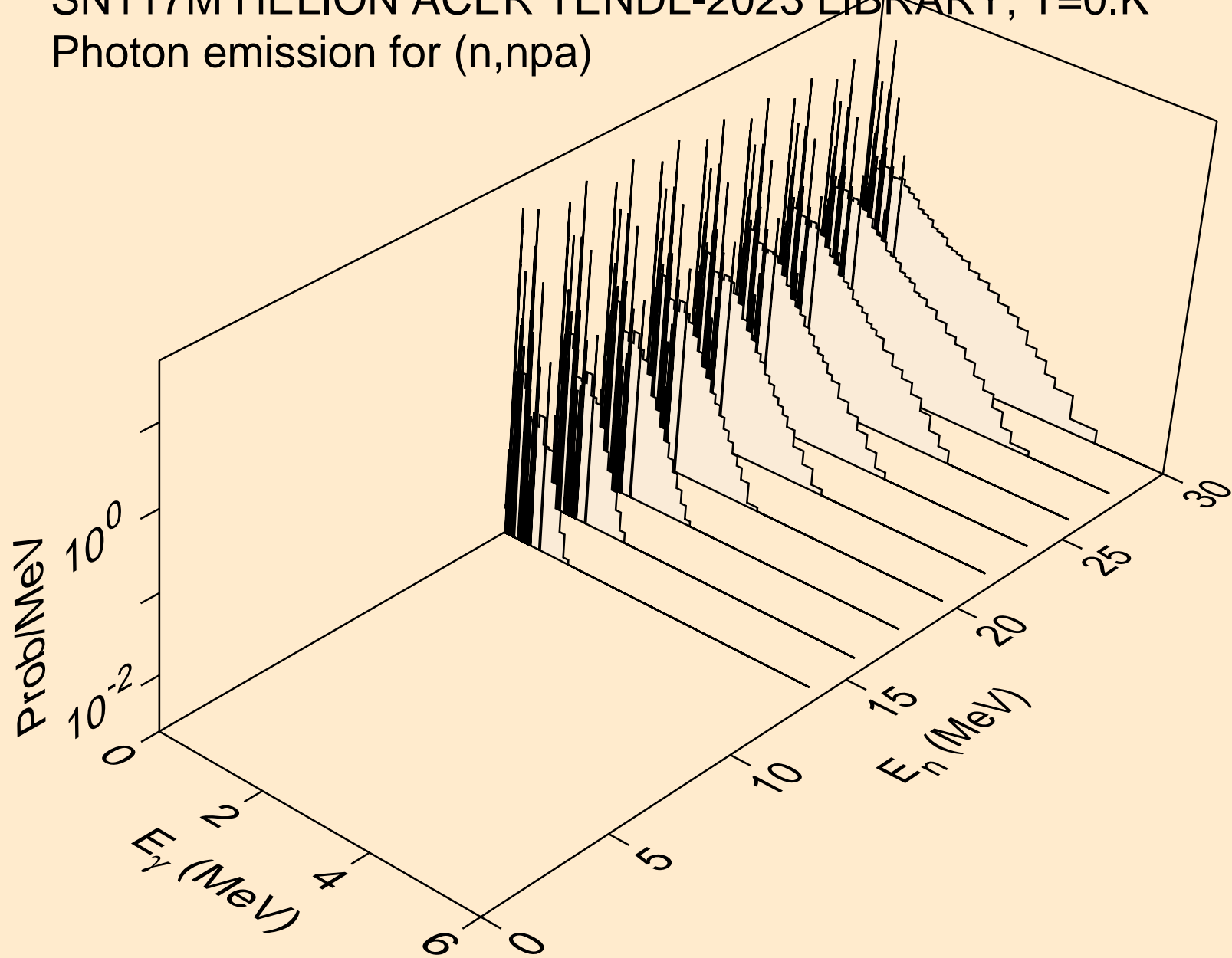




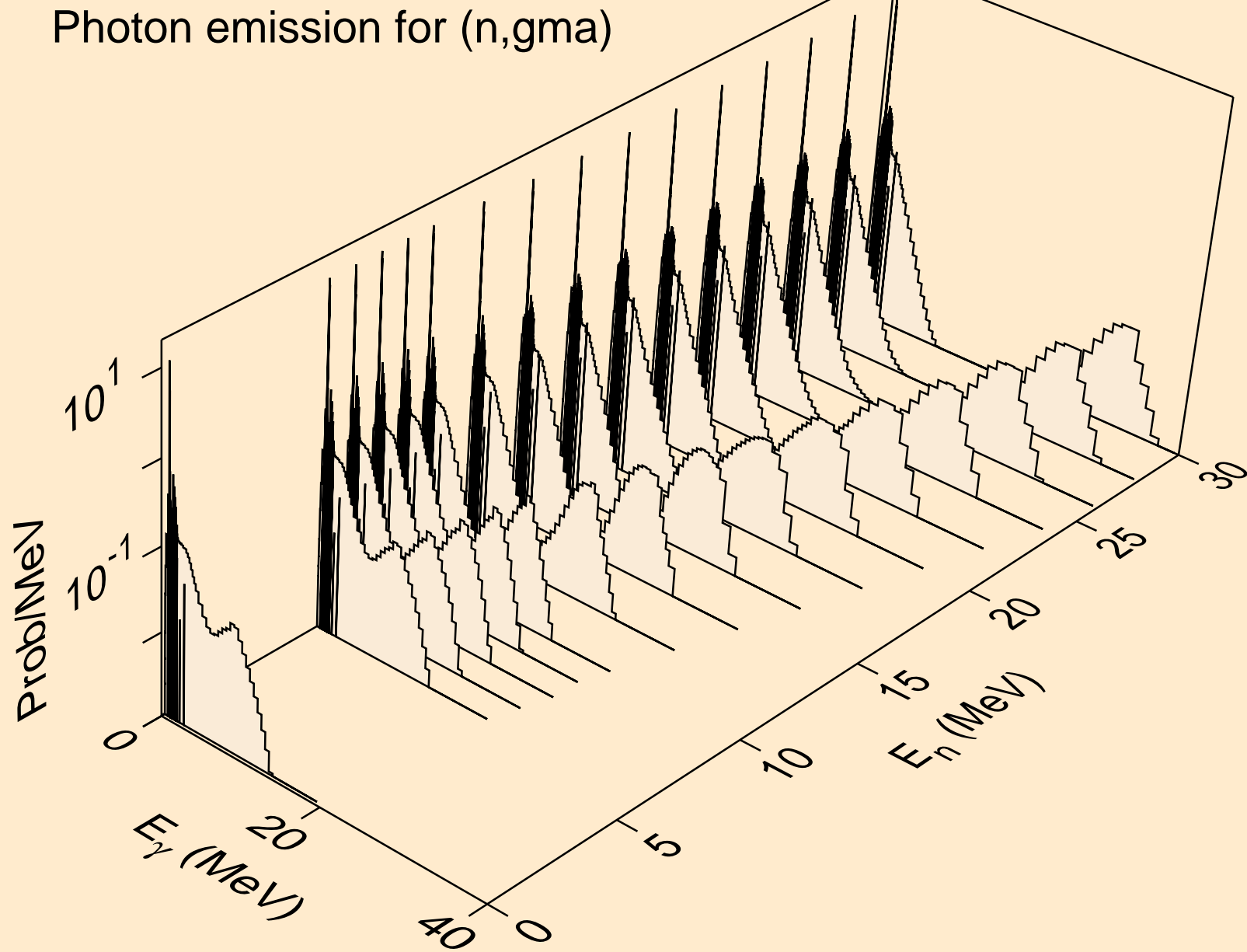
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Photon emission for (n,n2p)



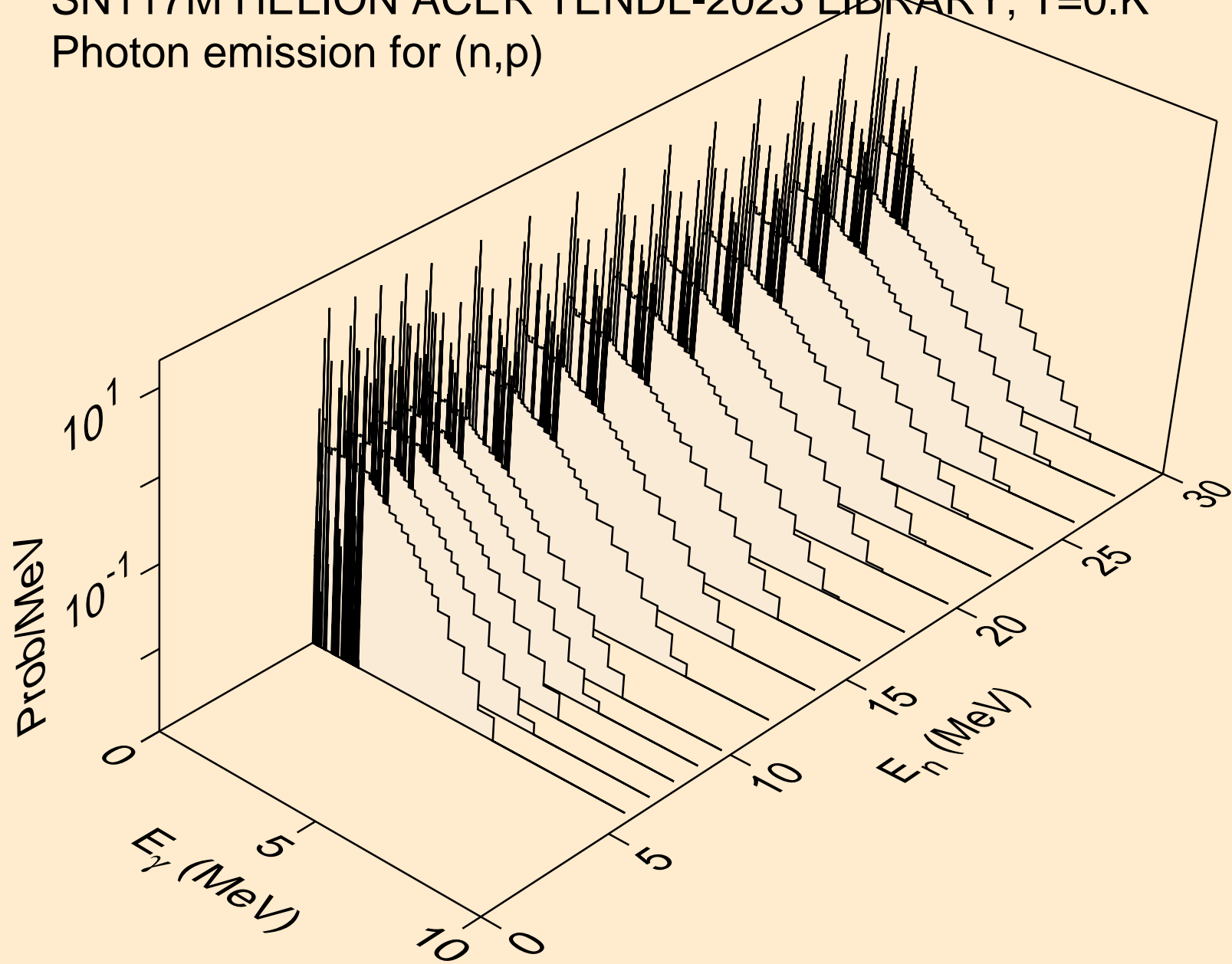
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Photon emission for (n,npa)



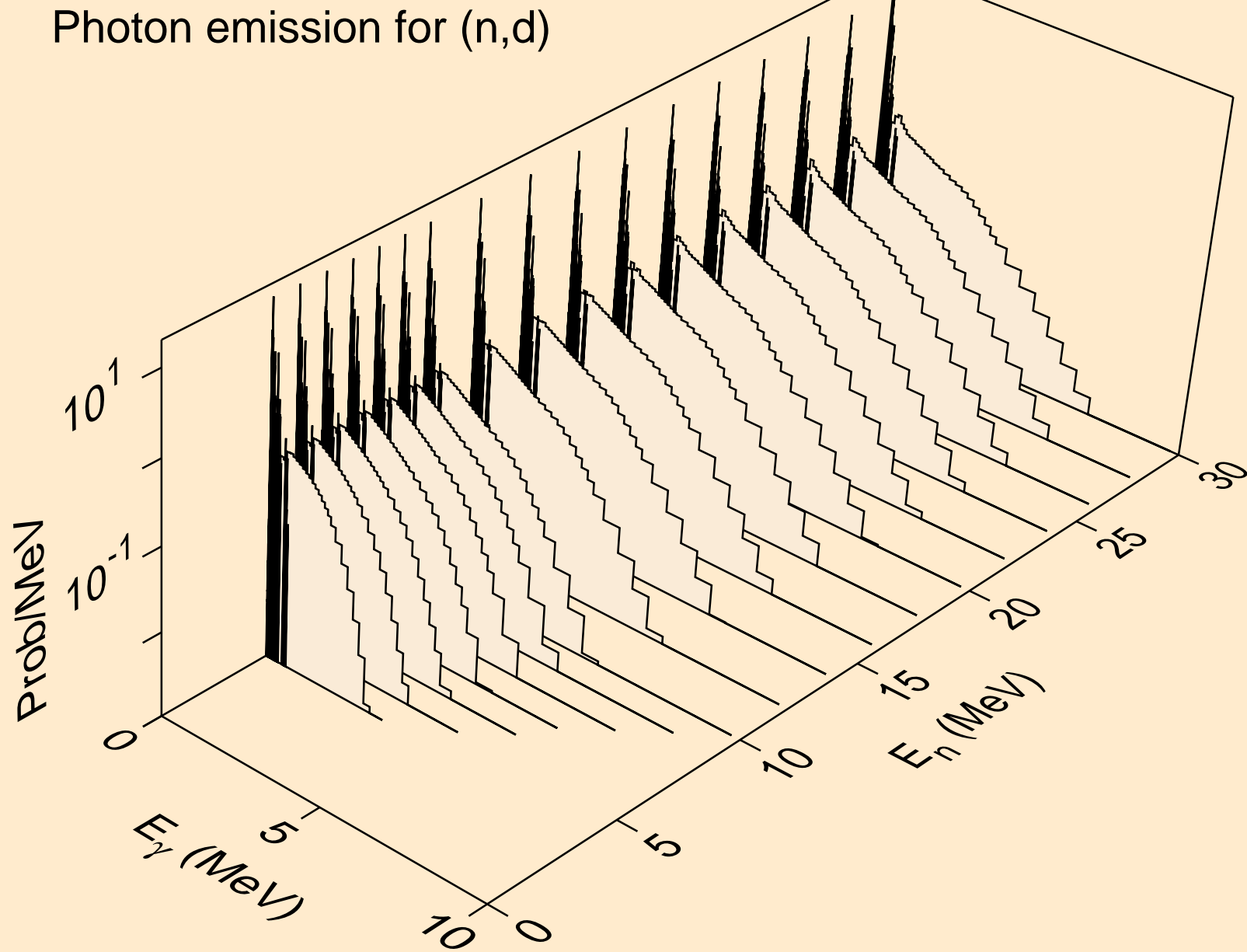
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Photon emission for (n,gma)



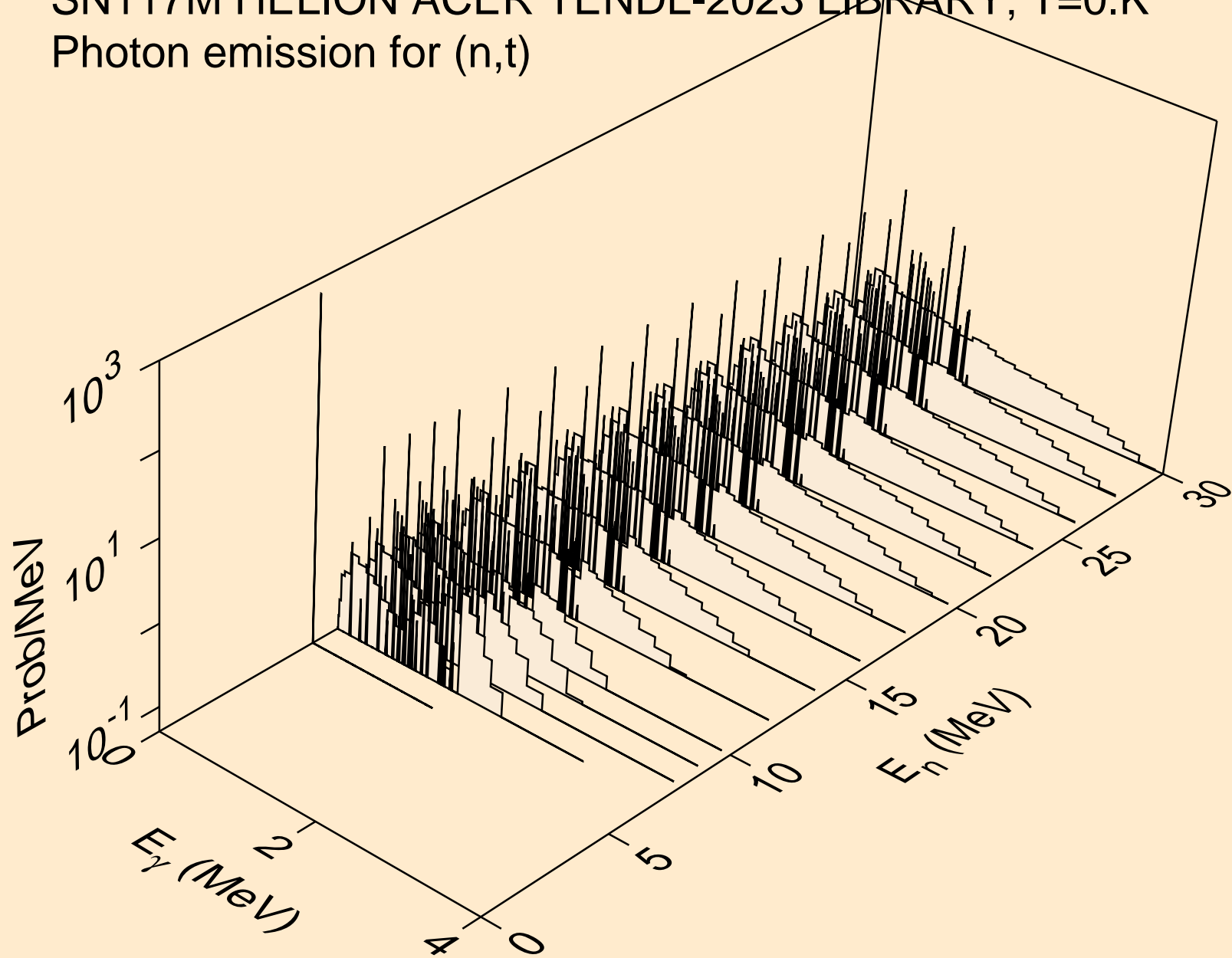
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Photon emission for (n,p)



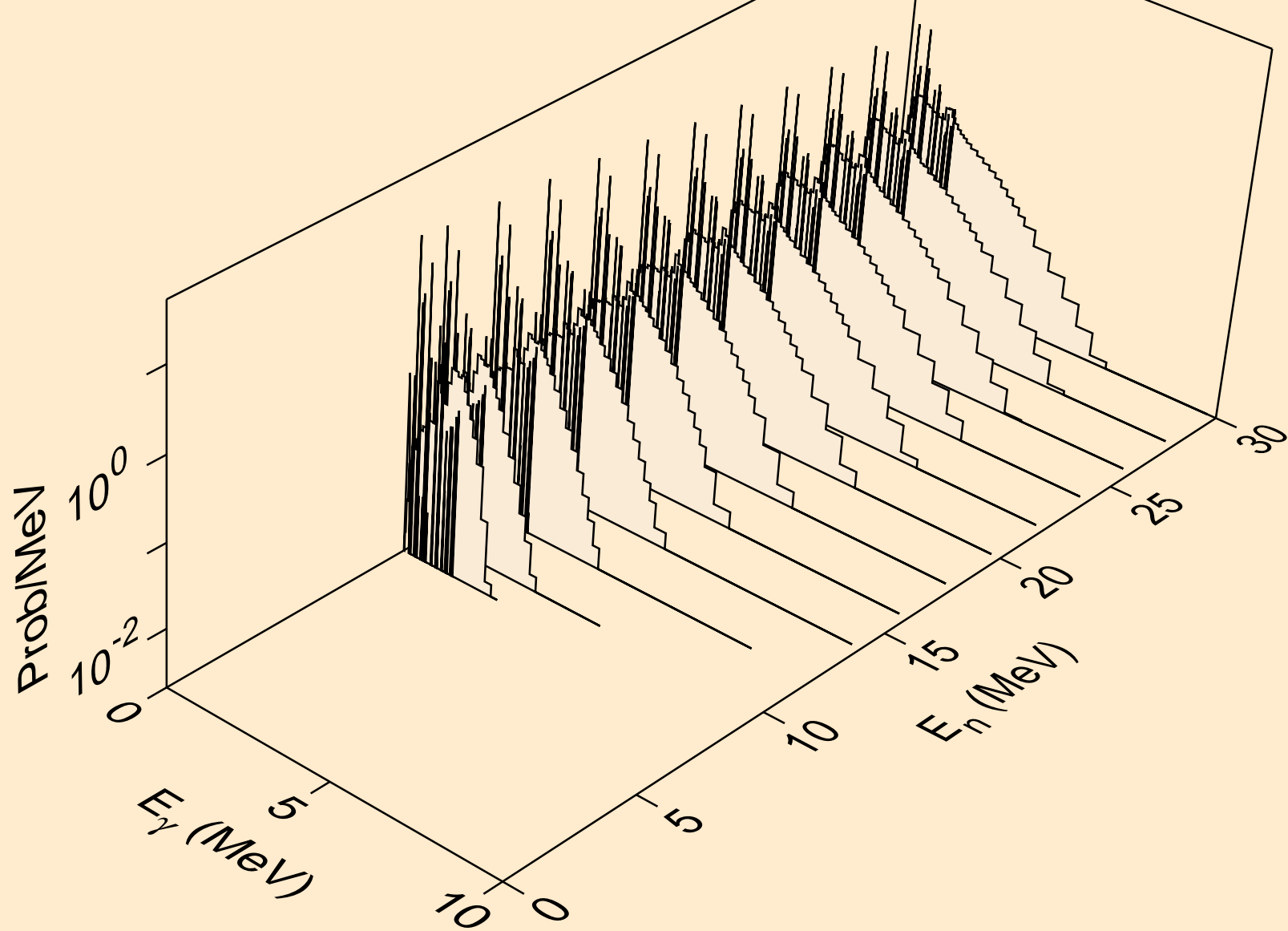
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Photon emission for (n,d)



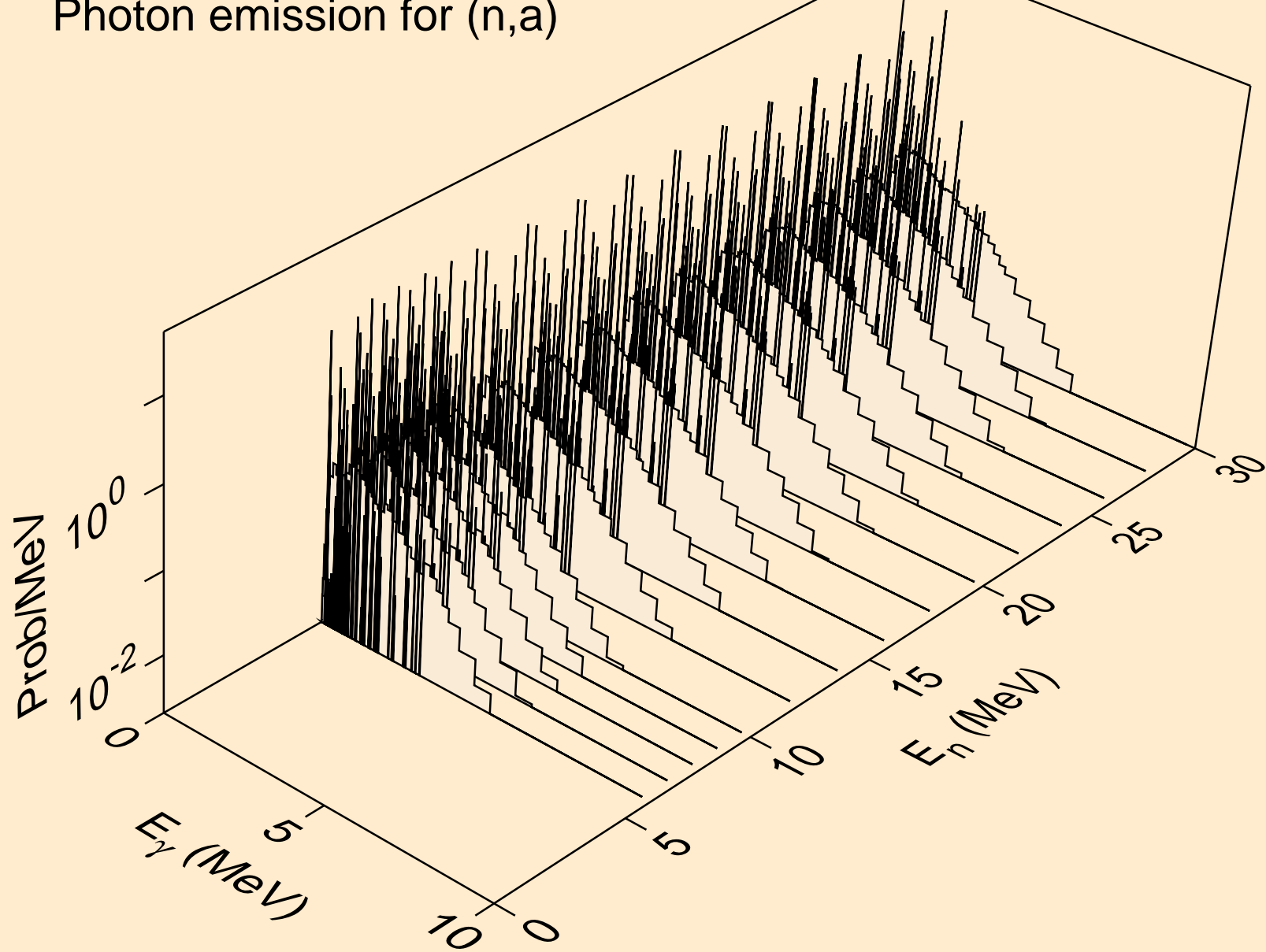
SN117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



SN117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic

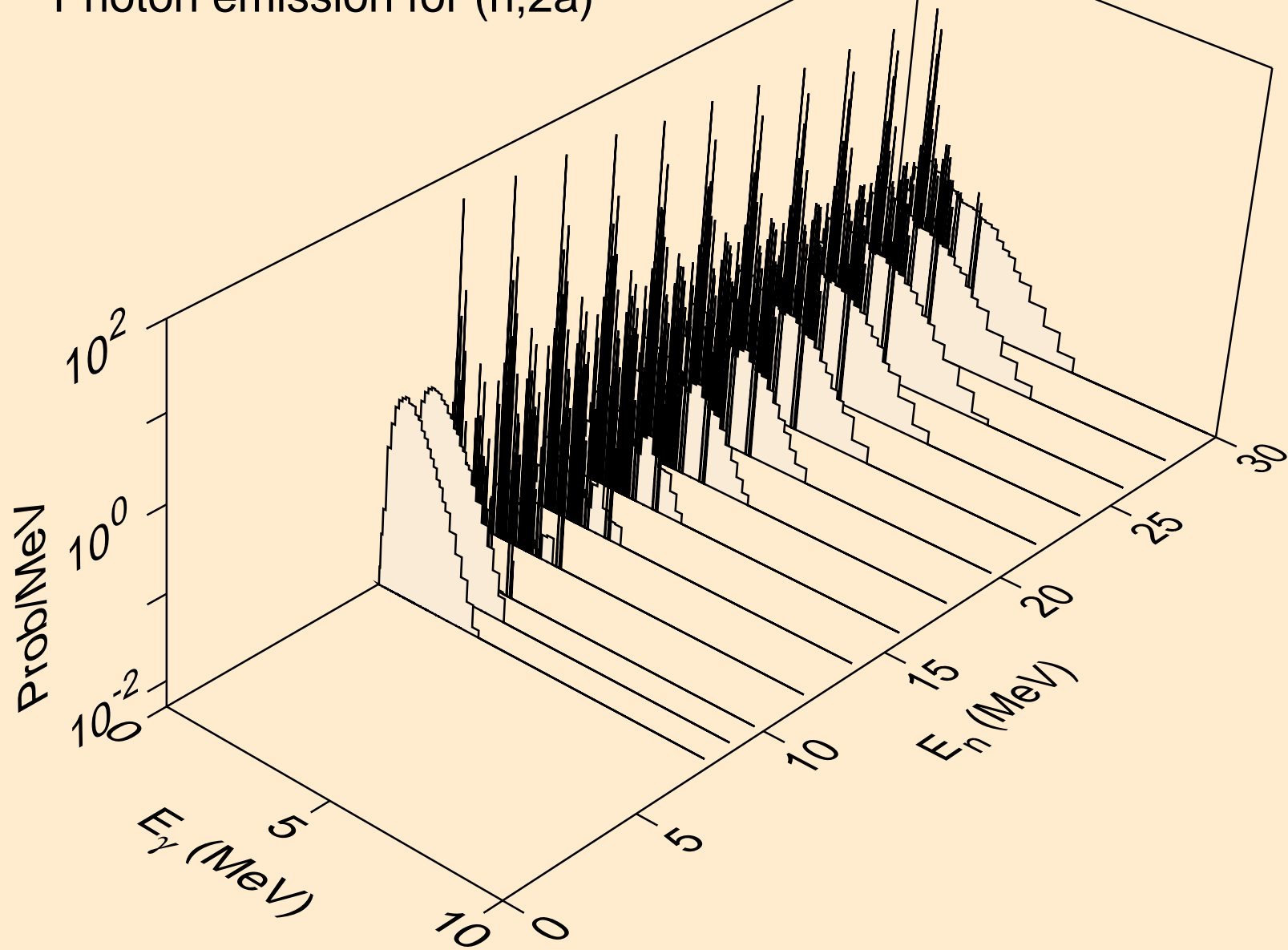


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Photon emission for (n,a)

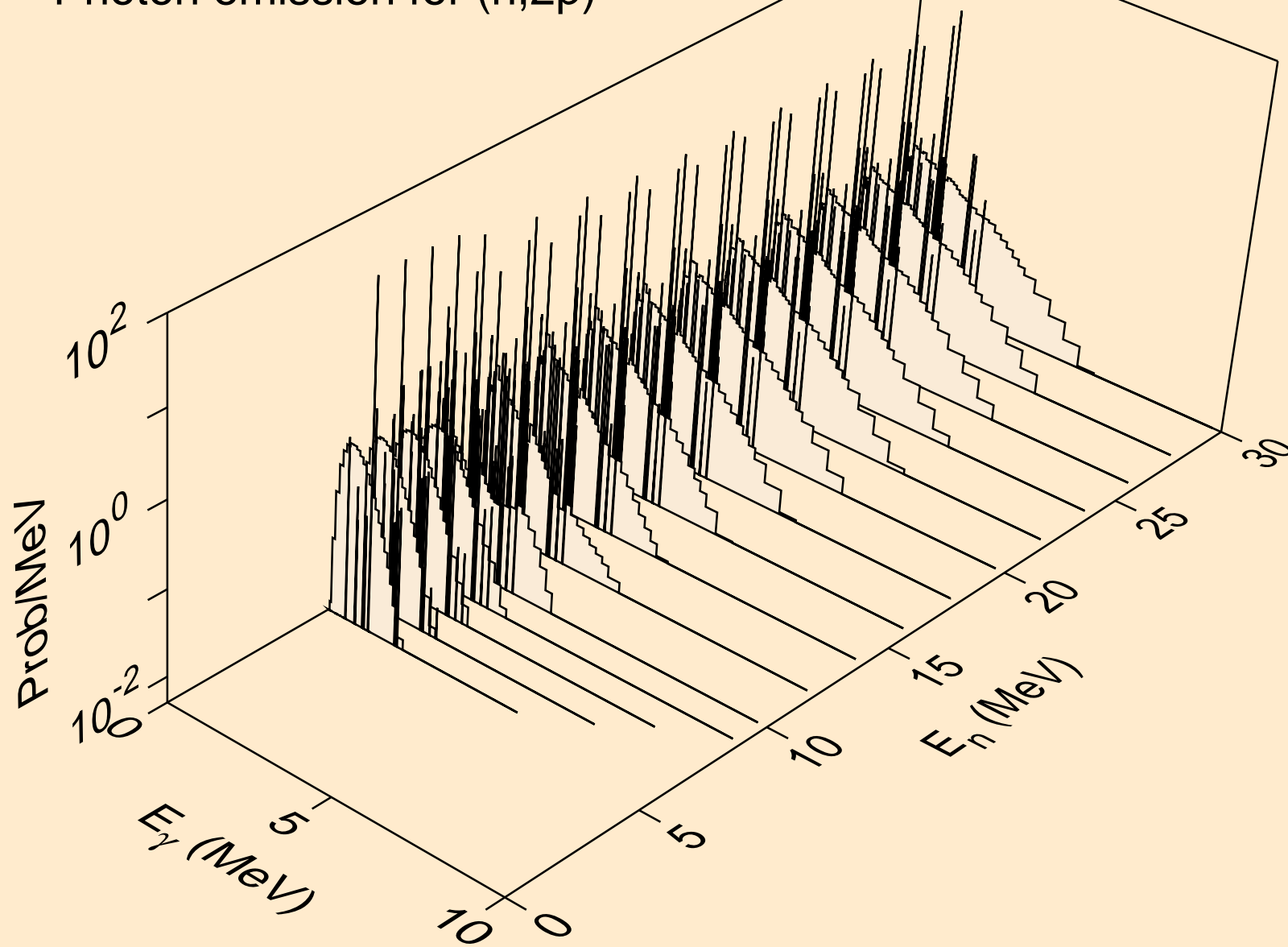




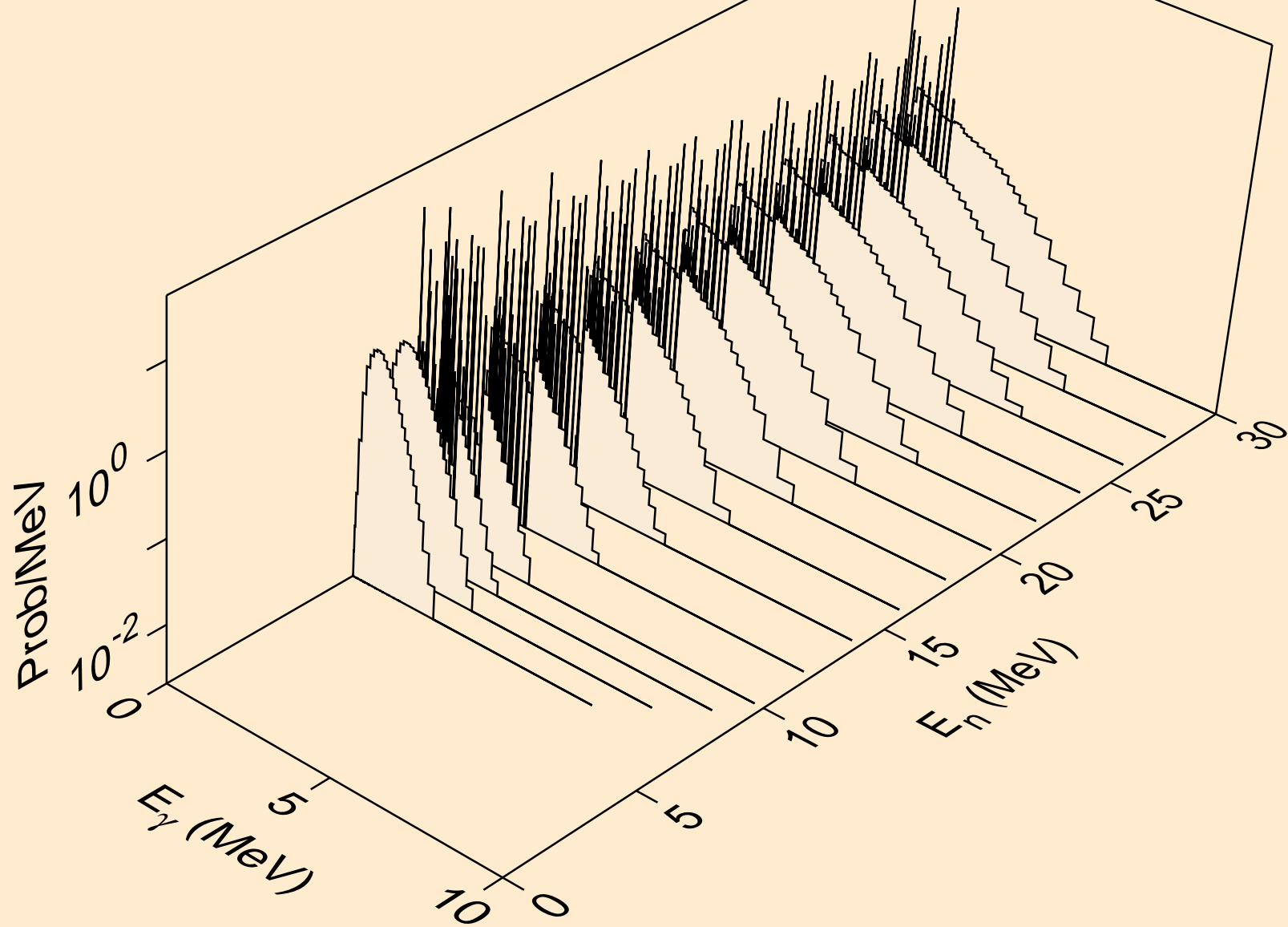
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Photon emission for (n,2a)



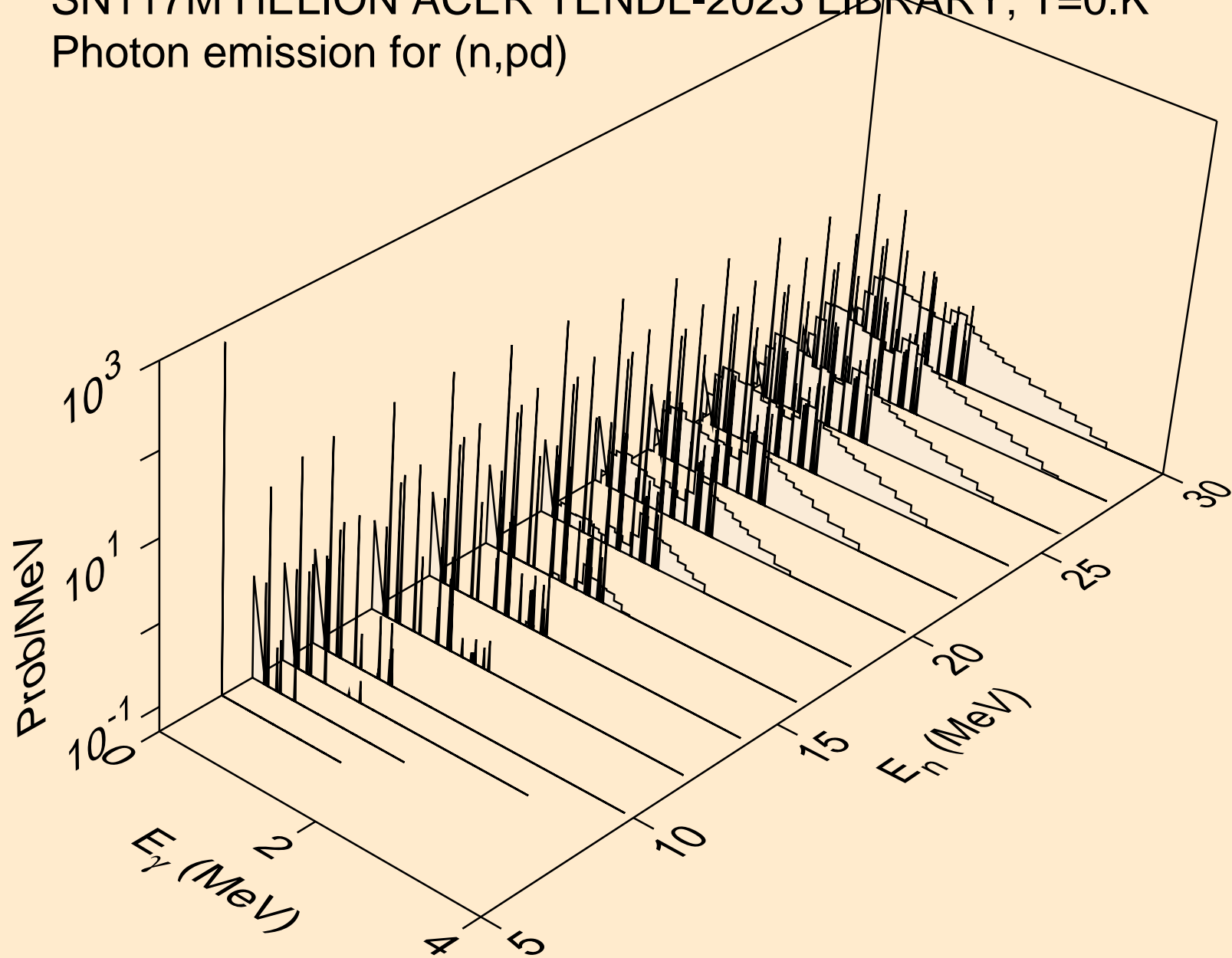
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Photon emission for (n,2p)



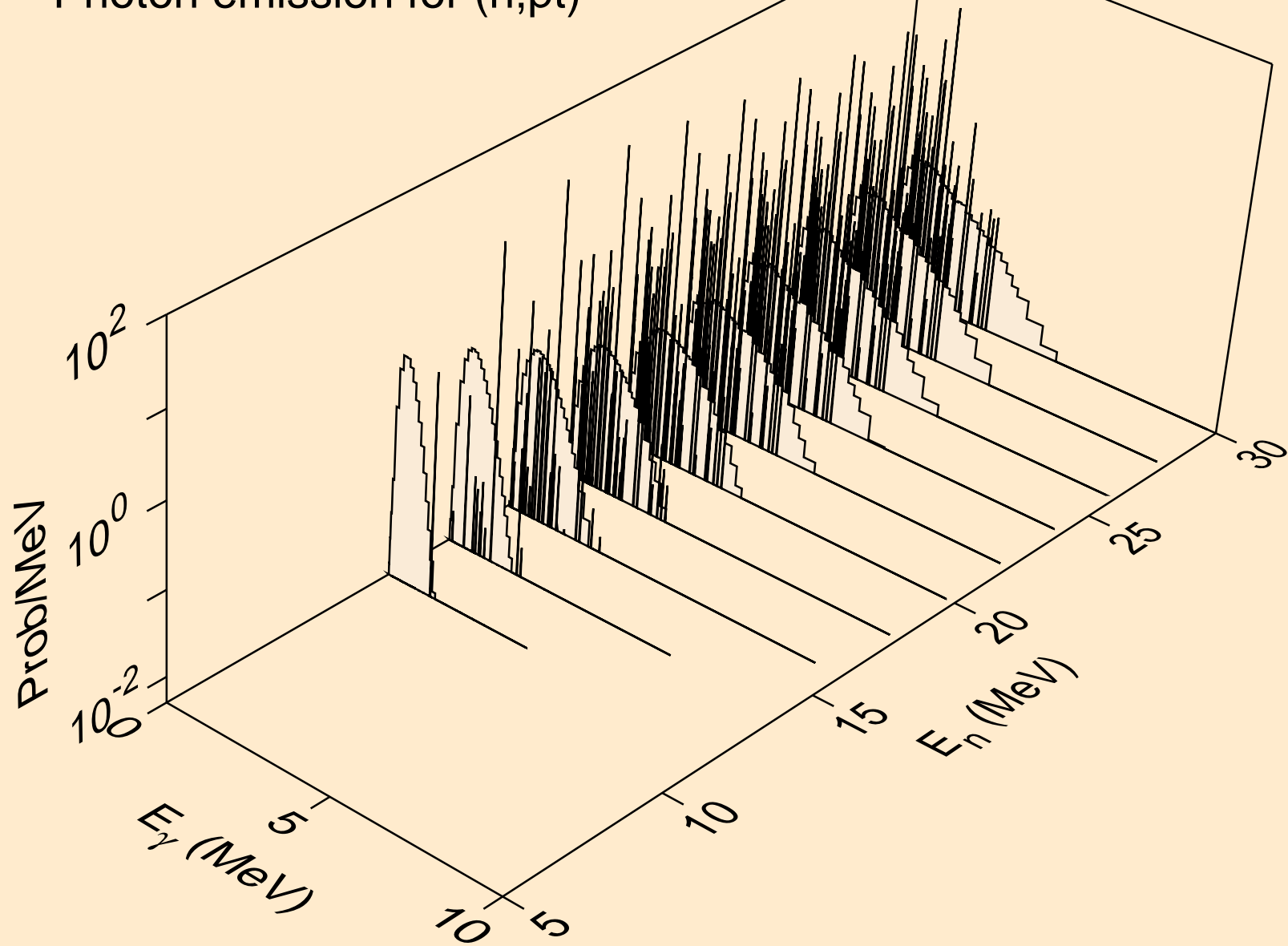
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Photon emission for (n,pa)



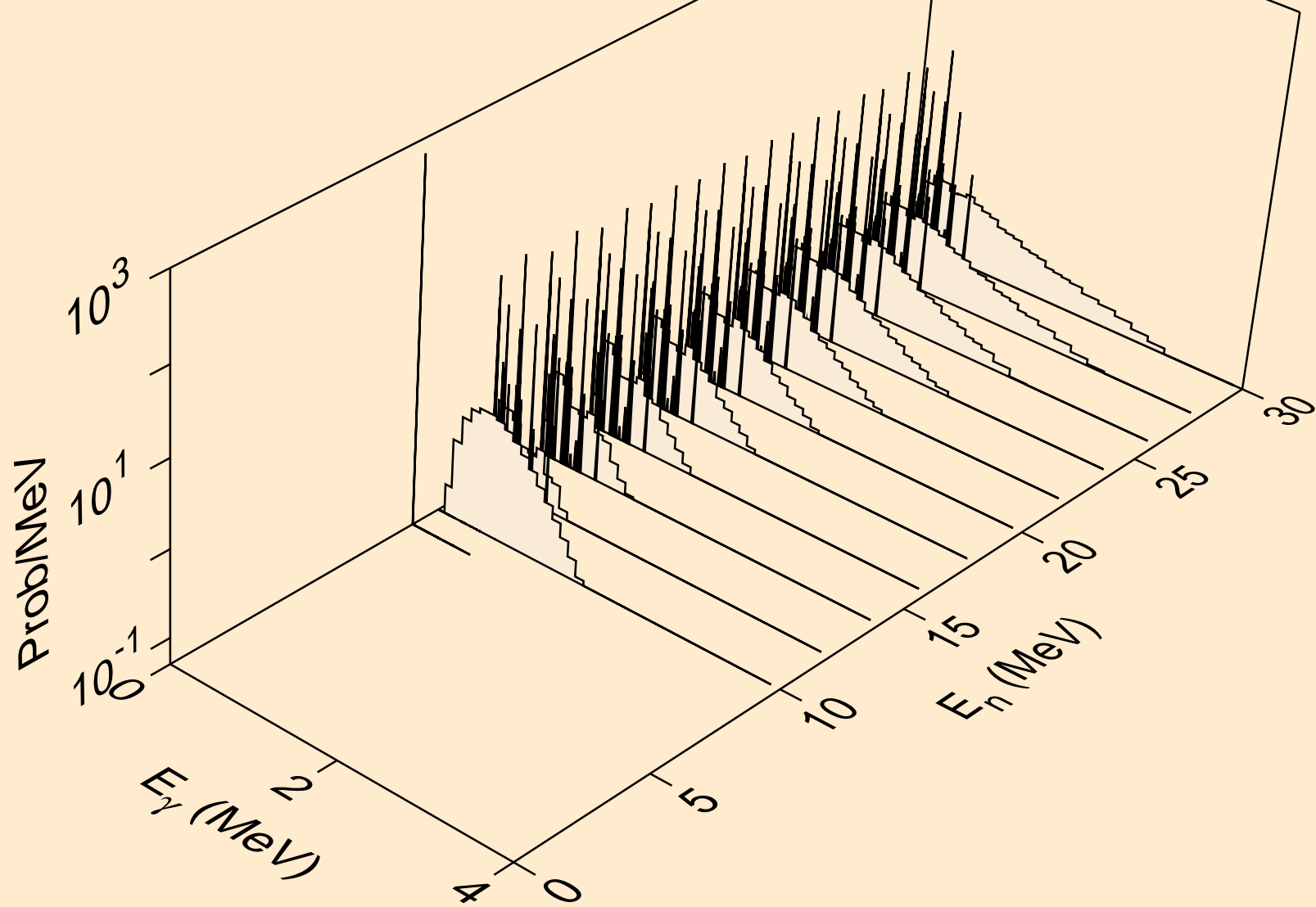
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Photon emission for (n,pd)



SN117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

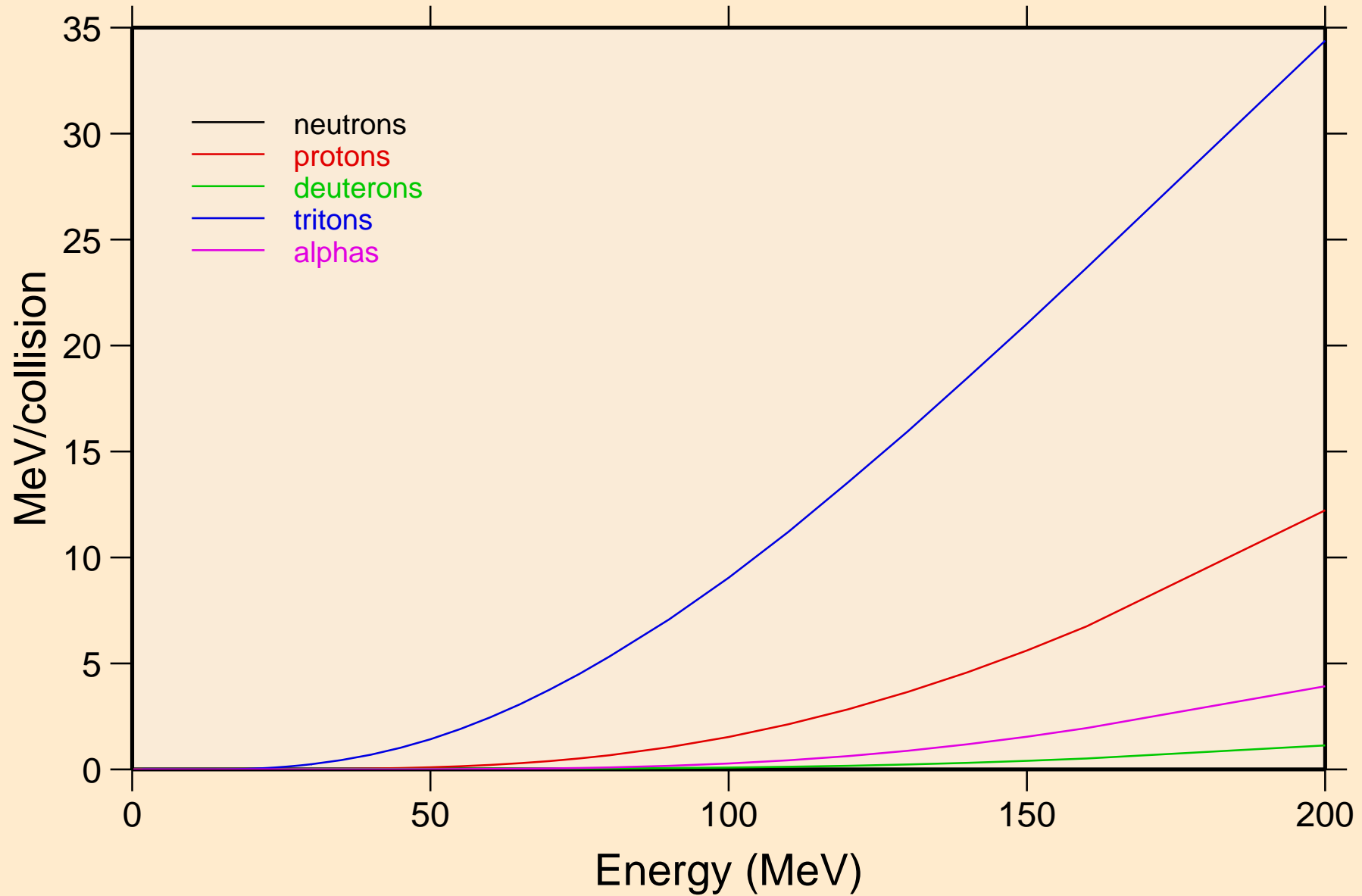


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Photon emission for (n,da)

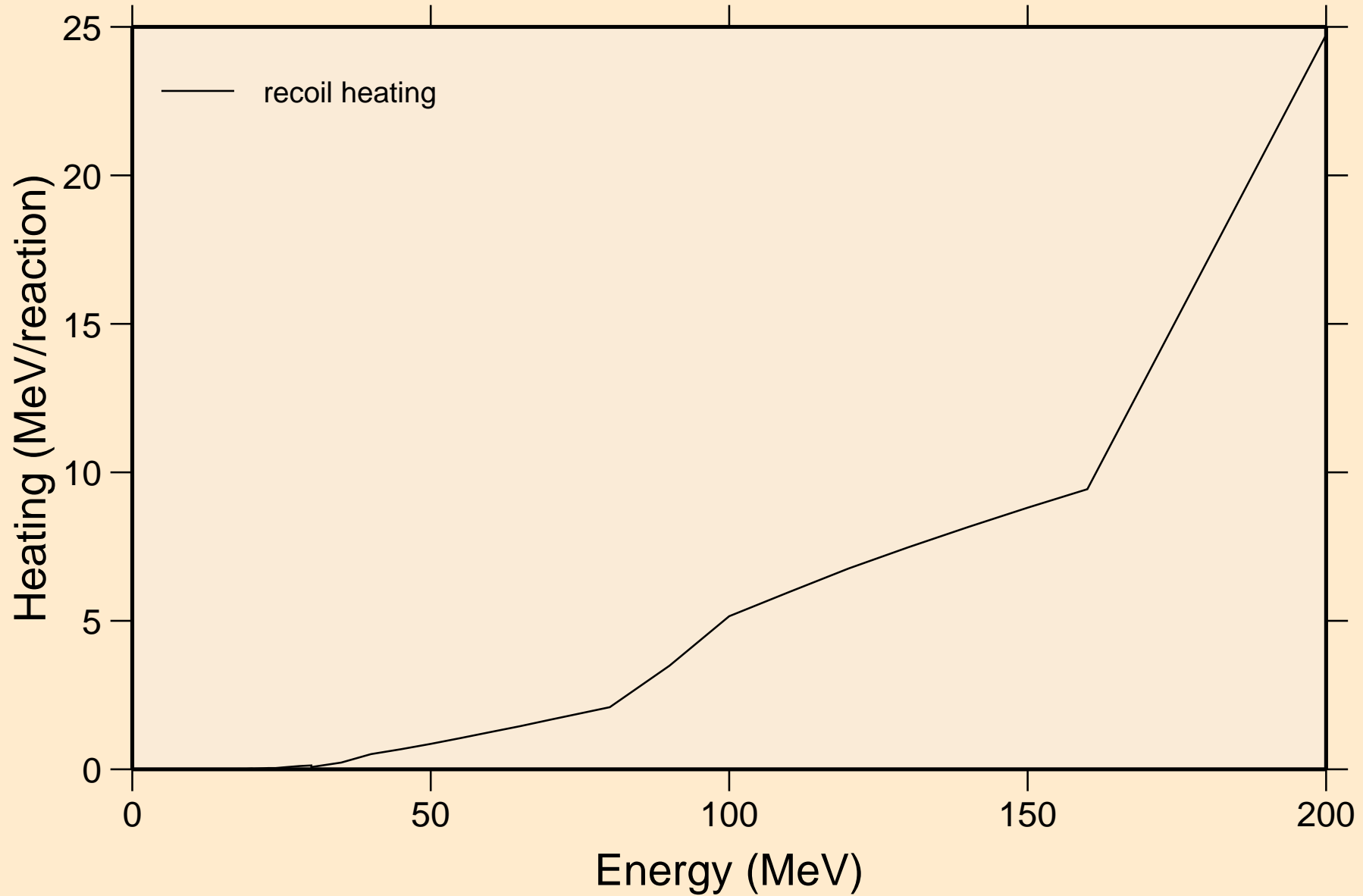


# SN117M HELION ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions



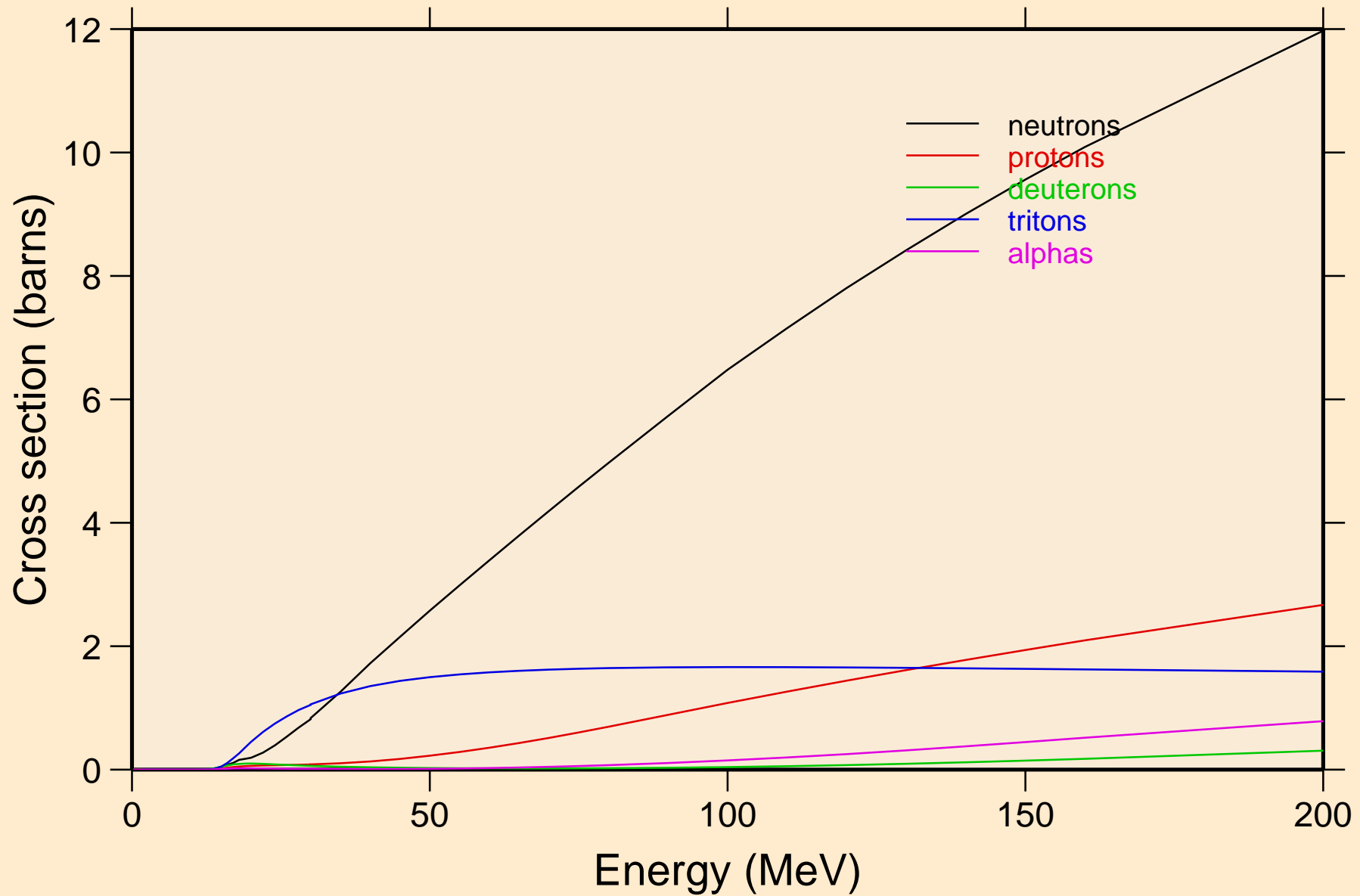
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Recoil Heating



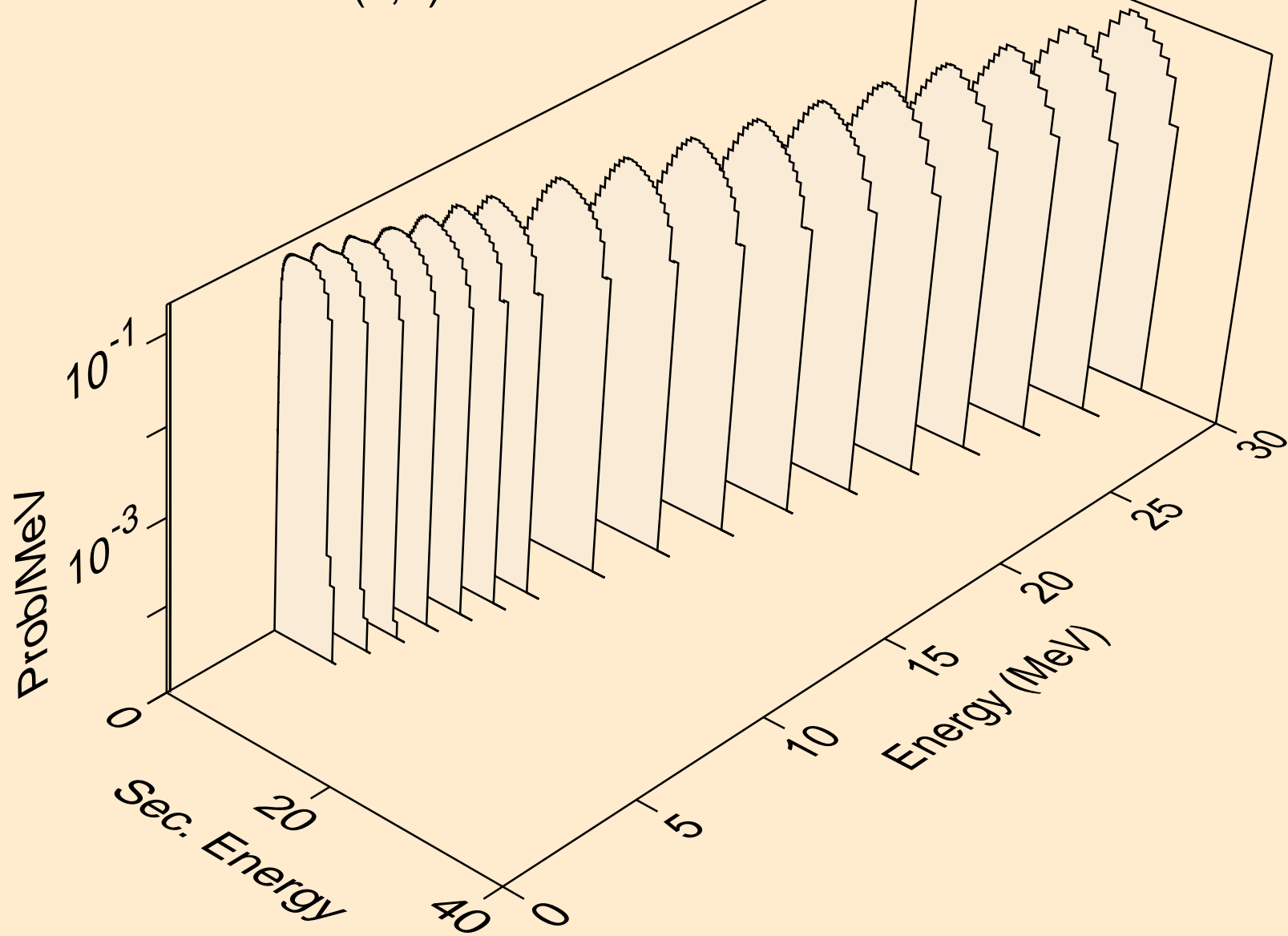


# SN117M HELION ACER TENDL-2023 LIBRARY; T=0.K

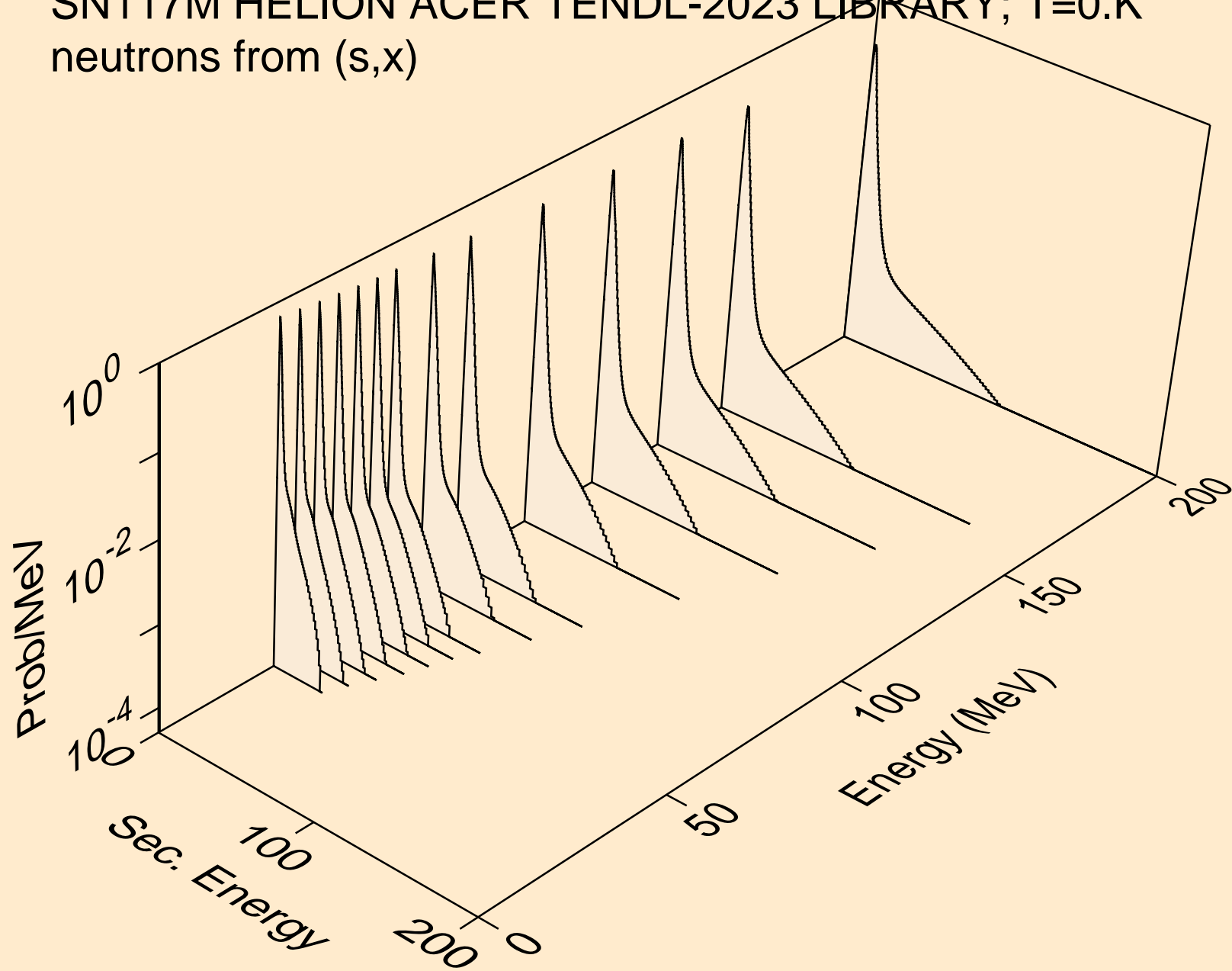
## Particle production cross sections



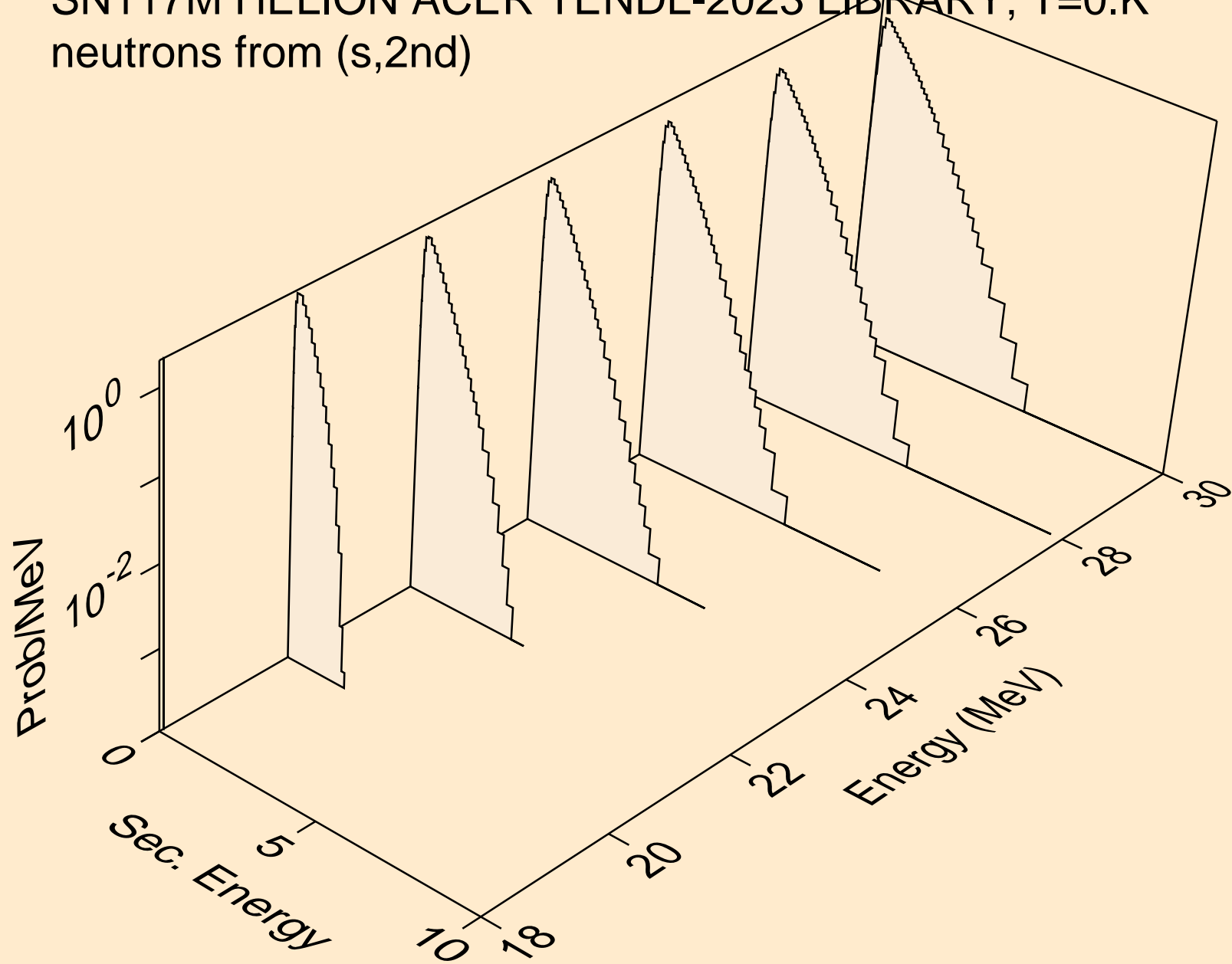
SN117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



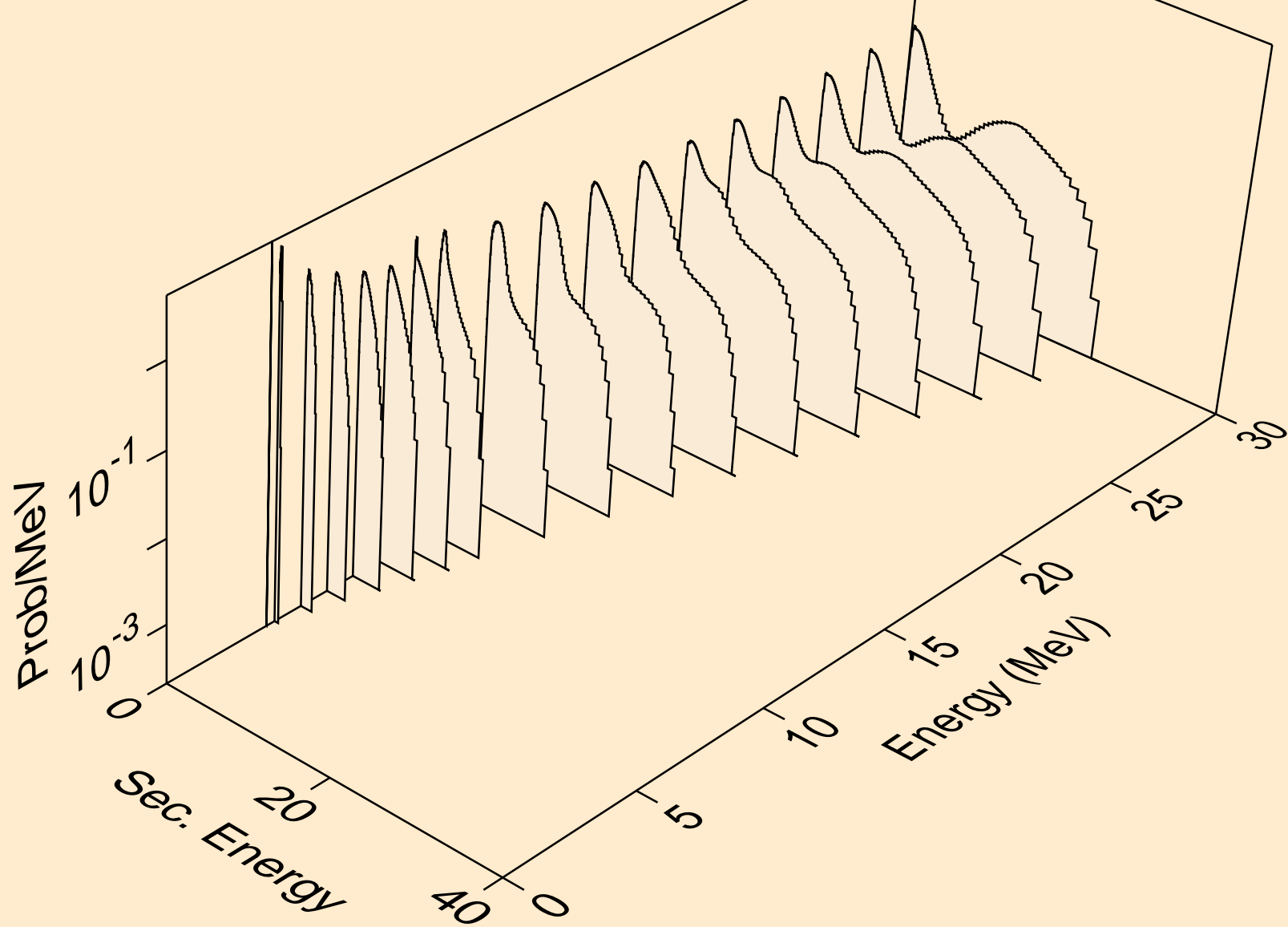
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neutrons from (s,x)



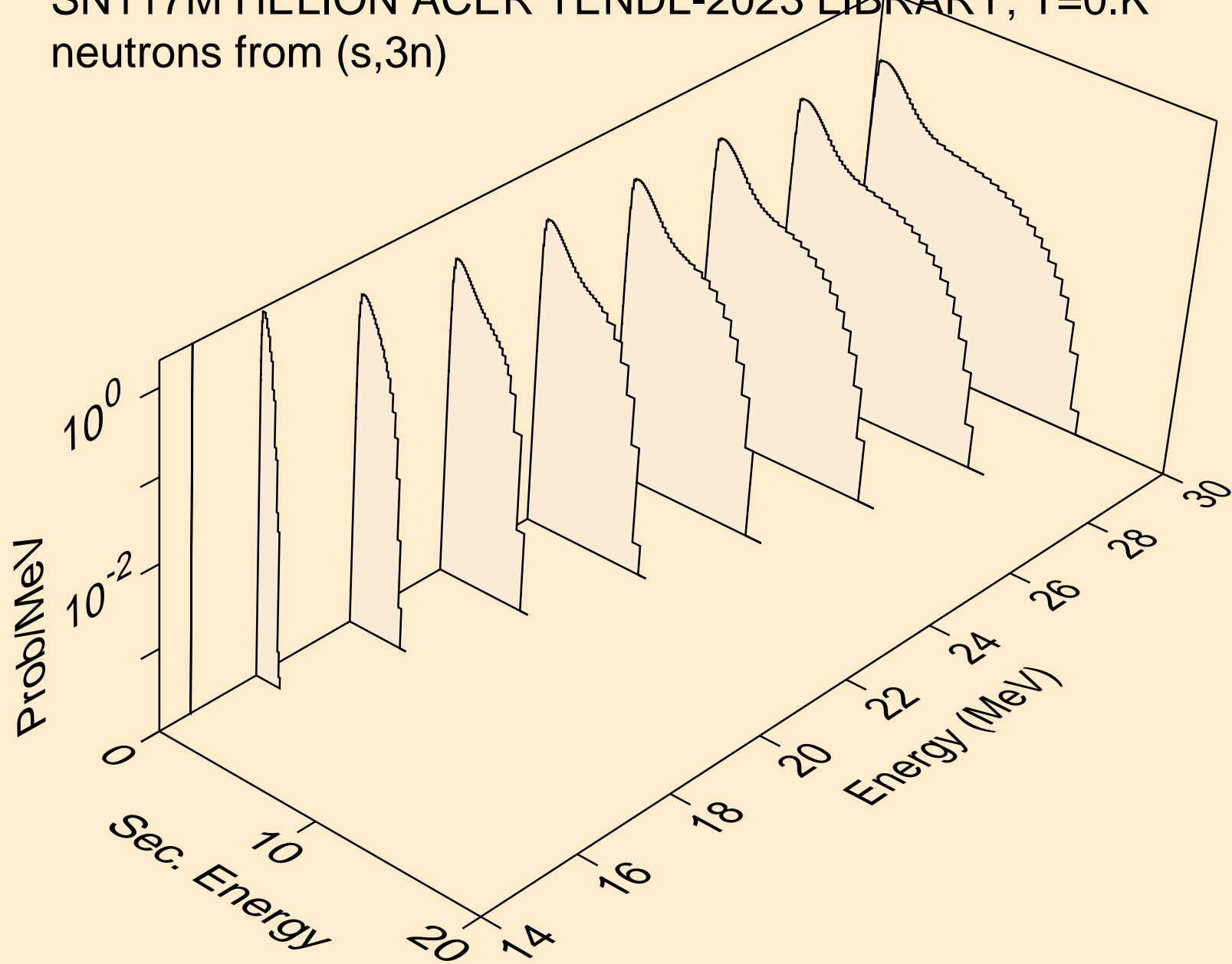
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neutrons from (s,2nd)



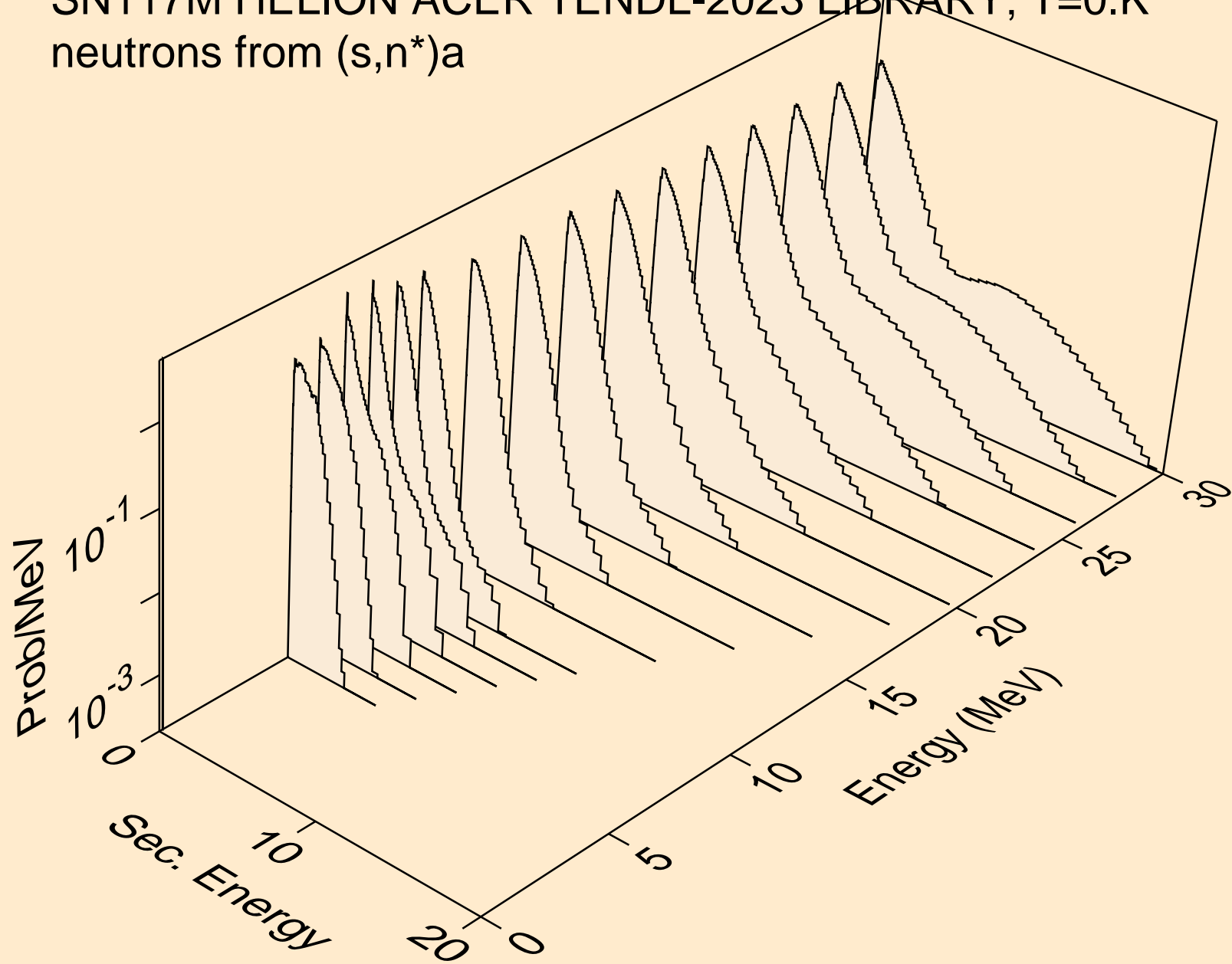
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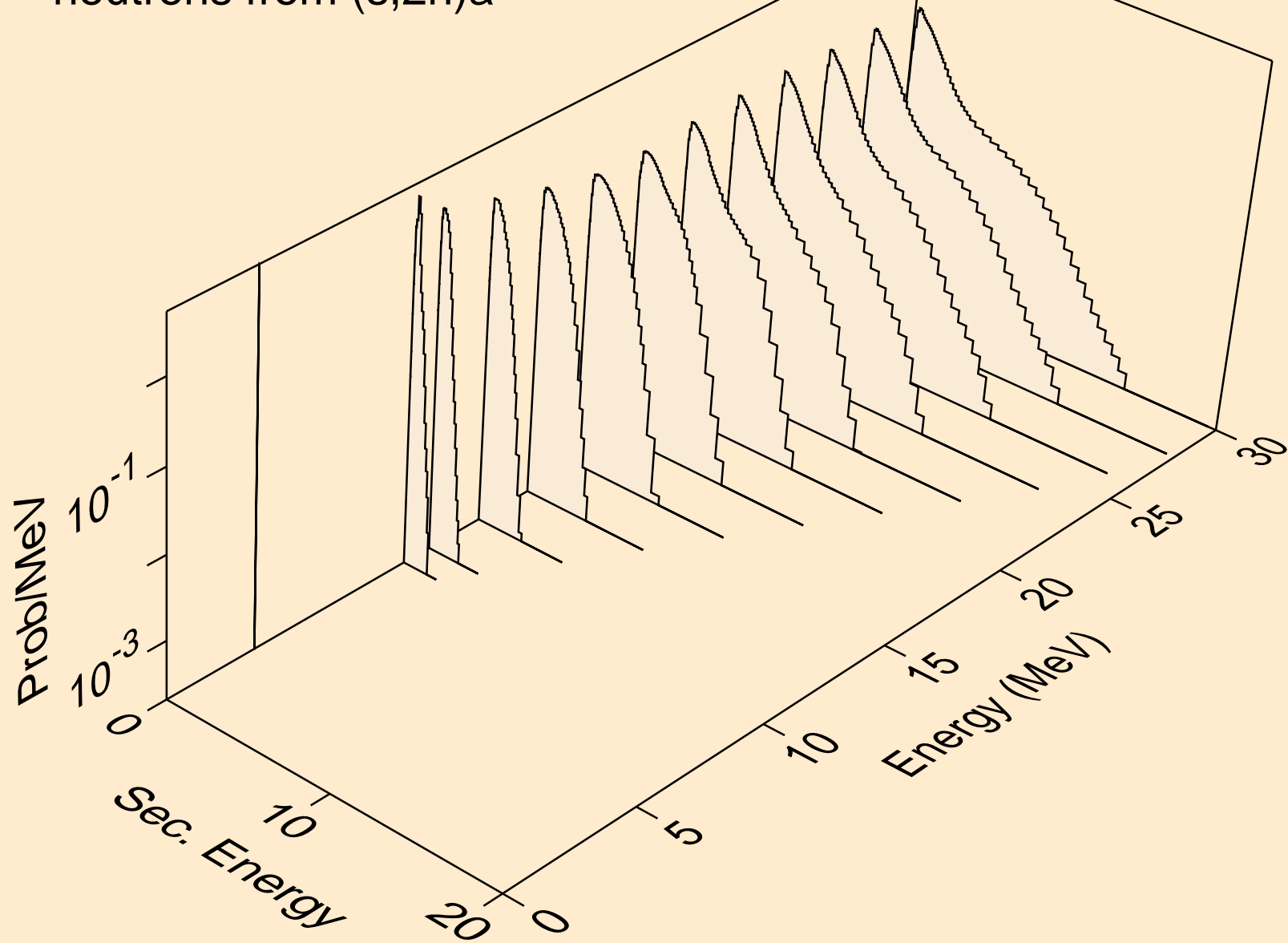
SN117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3n)



SN117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a

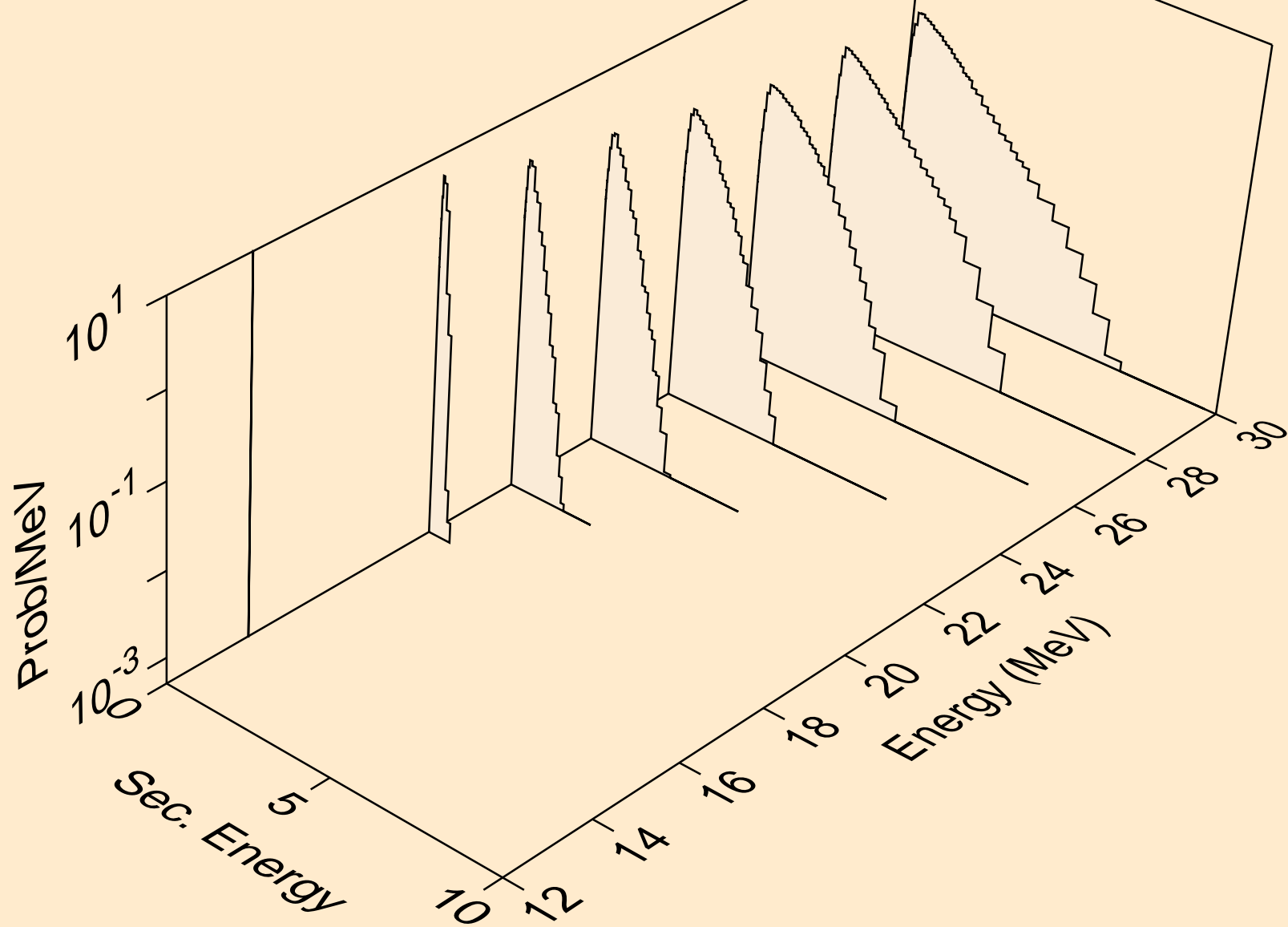


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neutrons from (s,2n)a

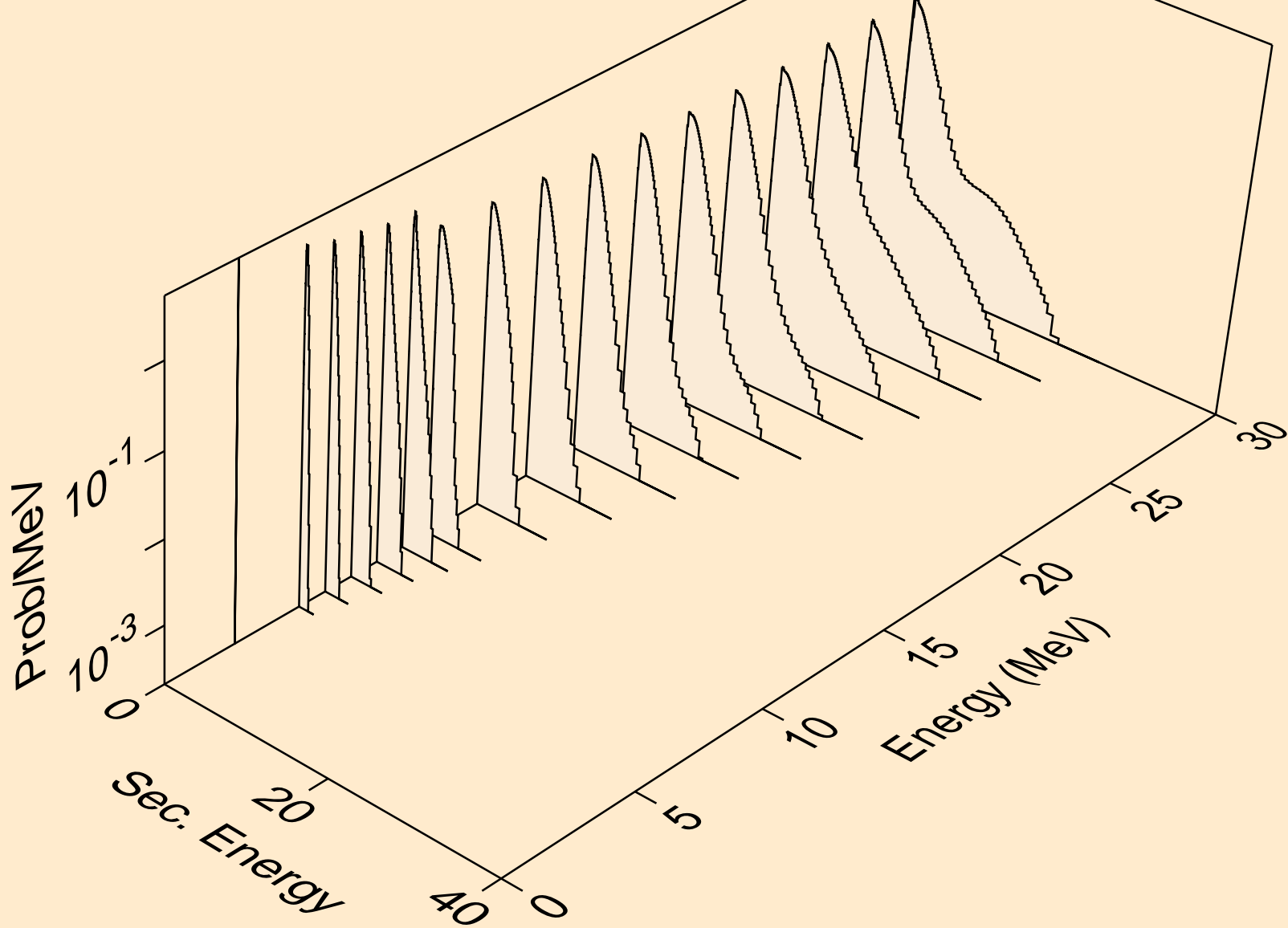




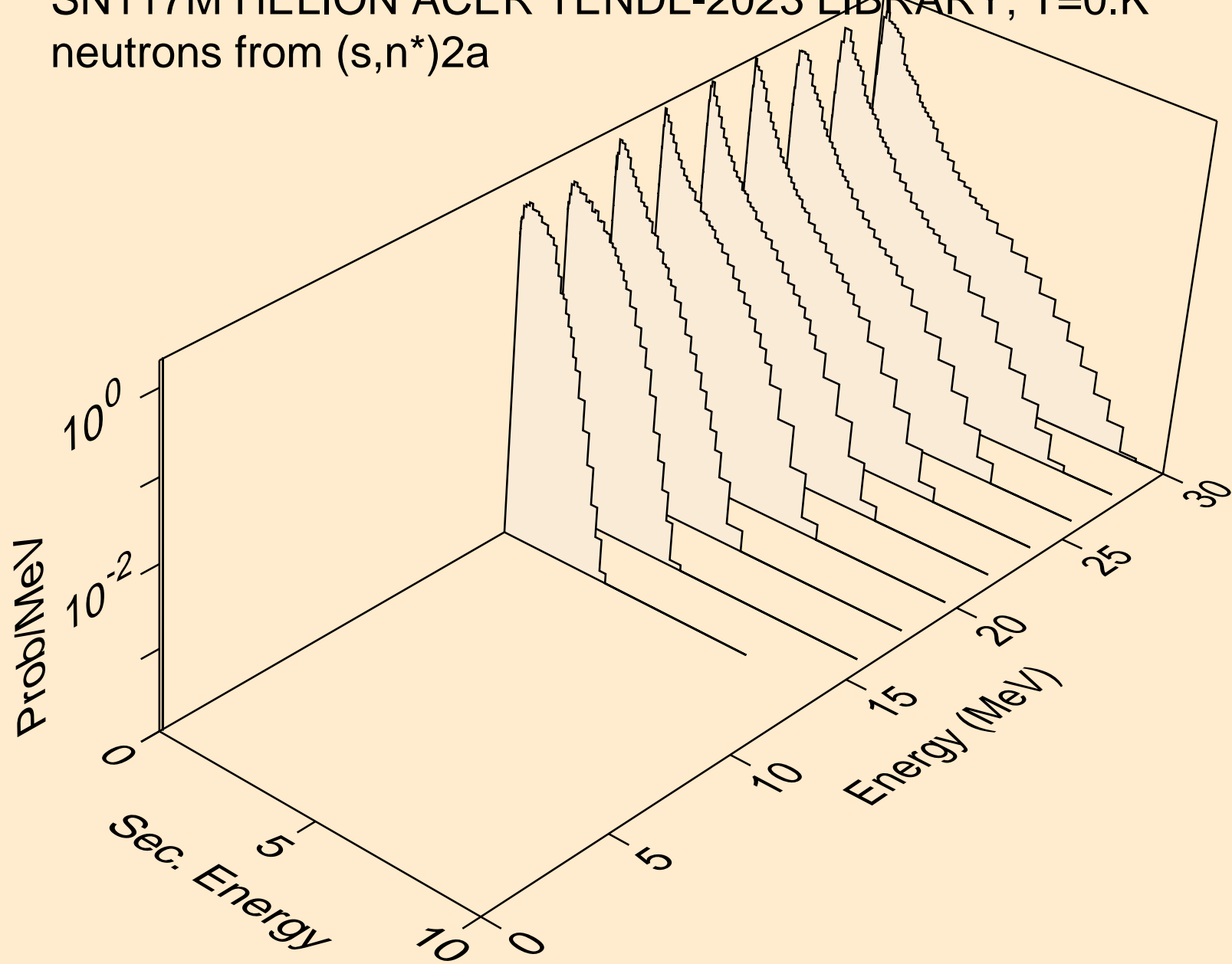
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neutrons from (s,3n)a



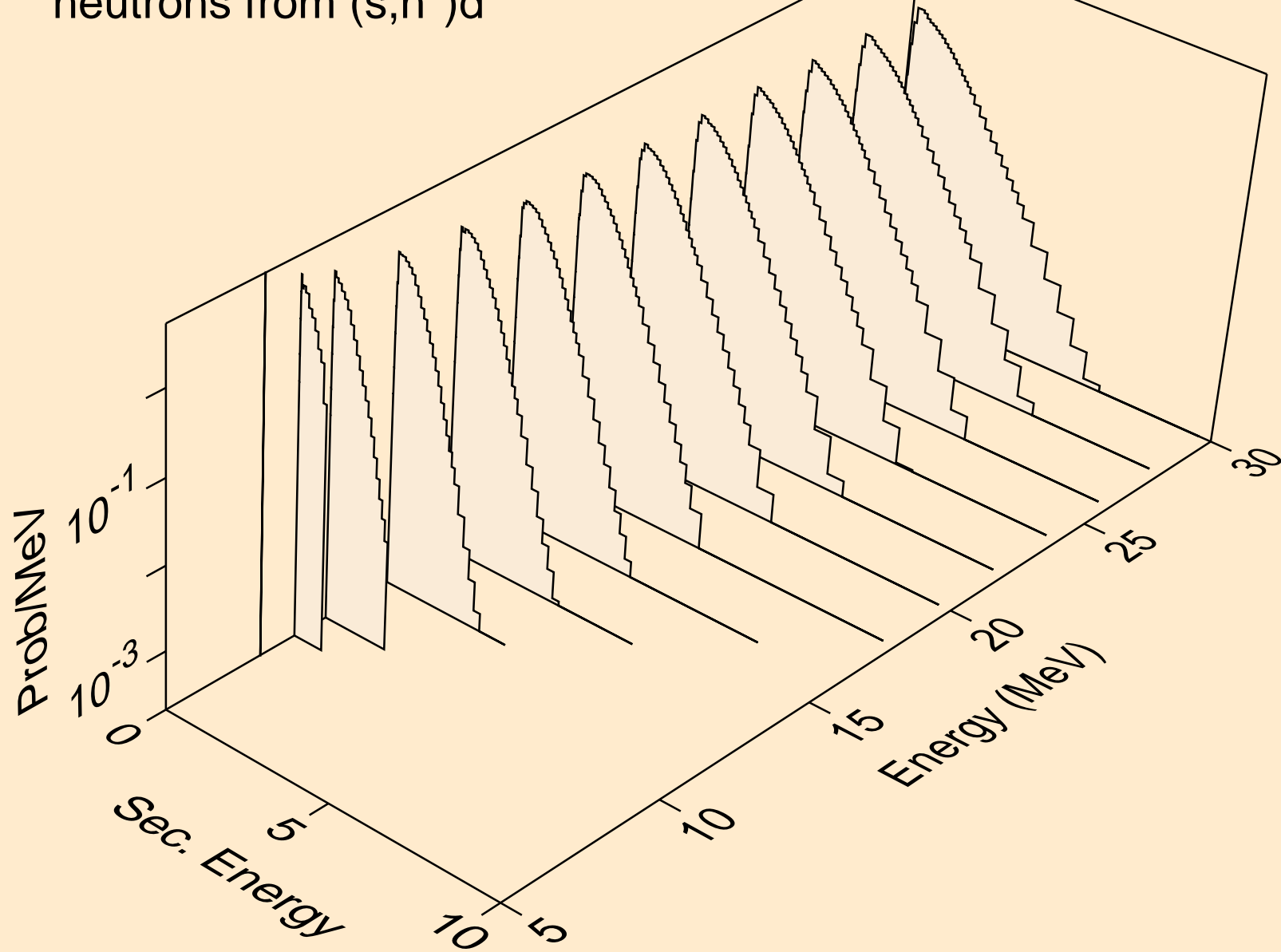
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neutrons from (s,n\*)p



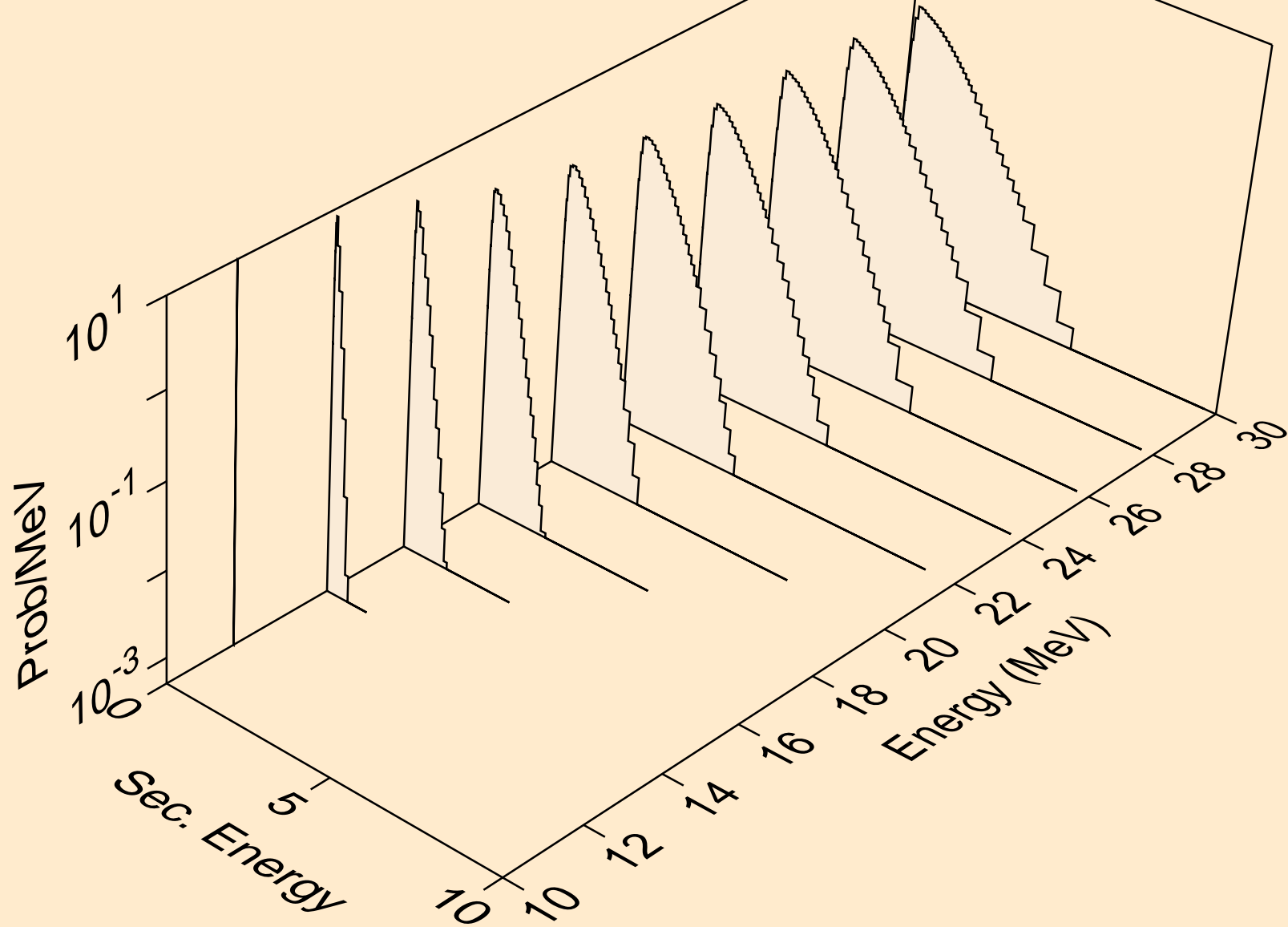
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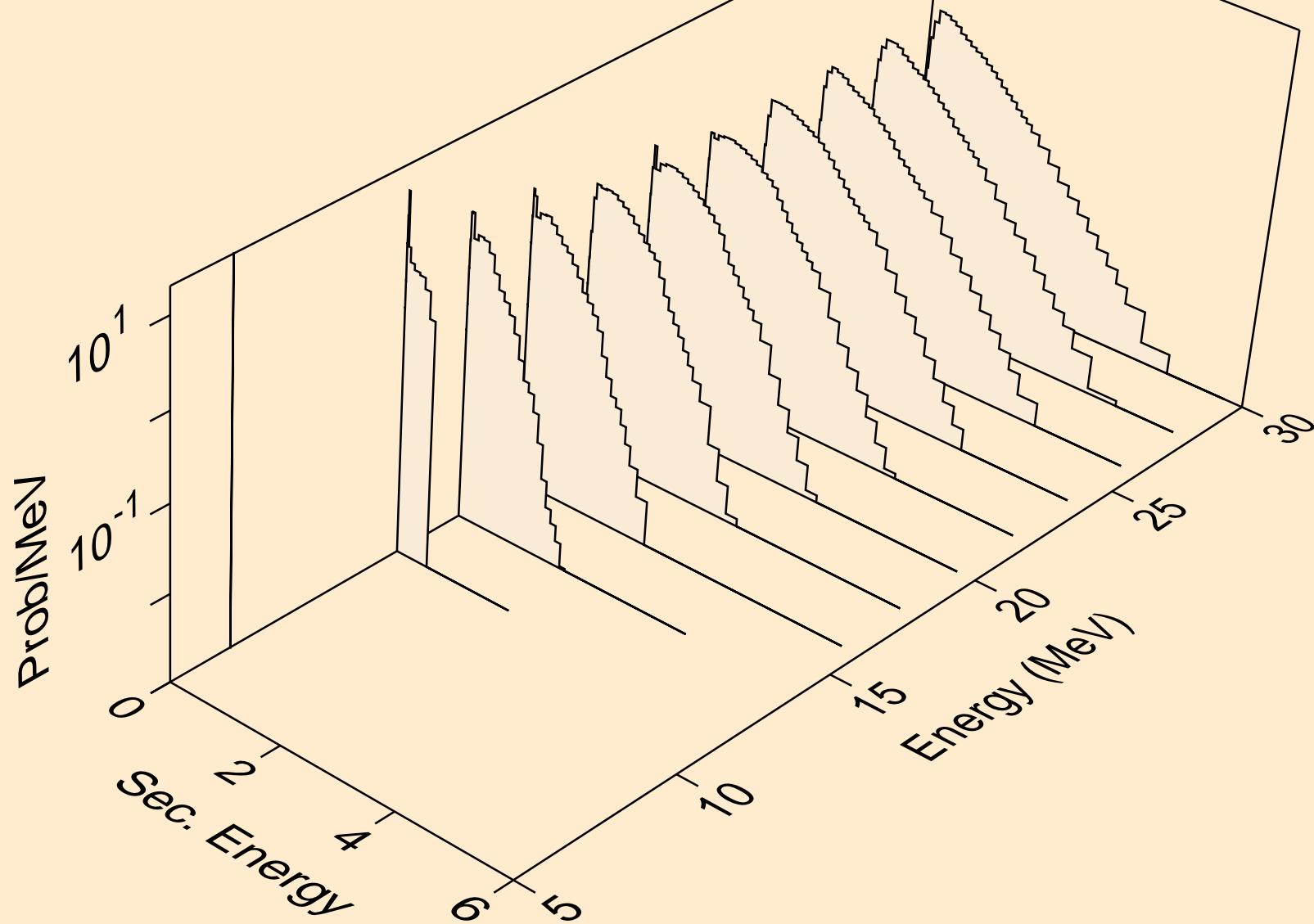
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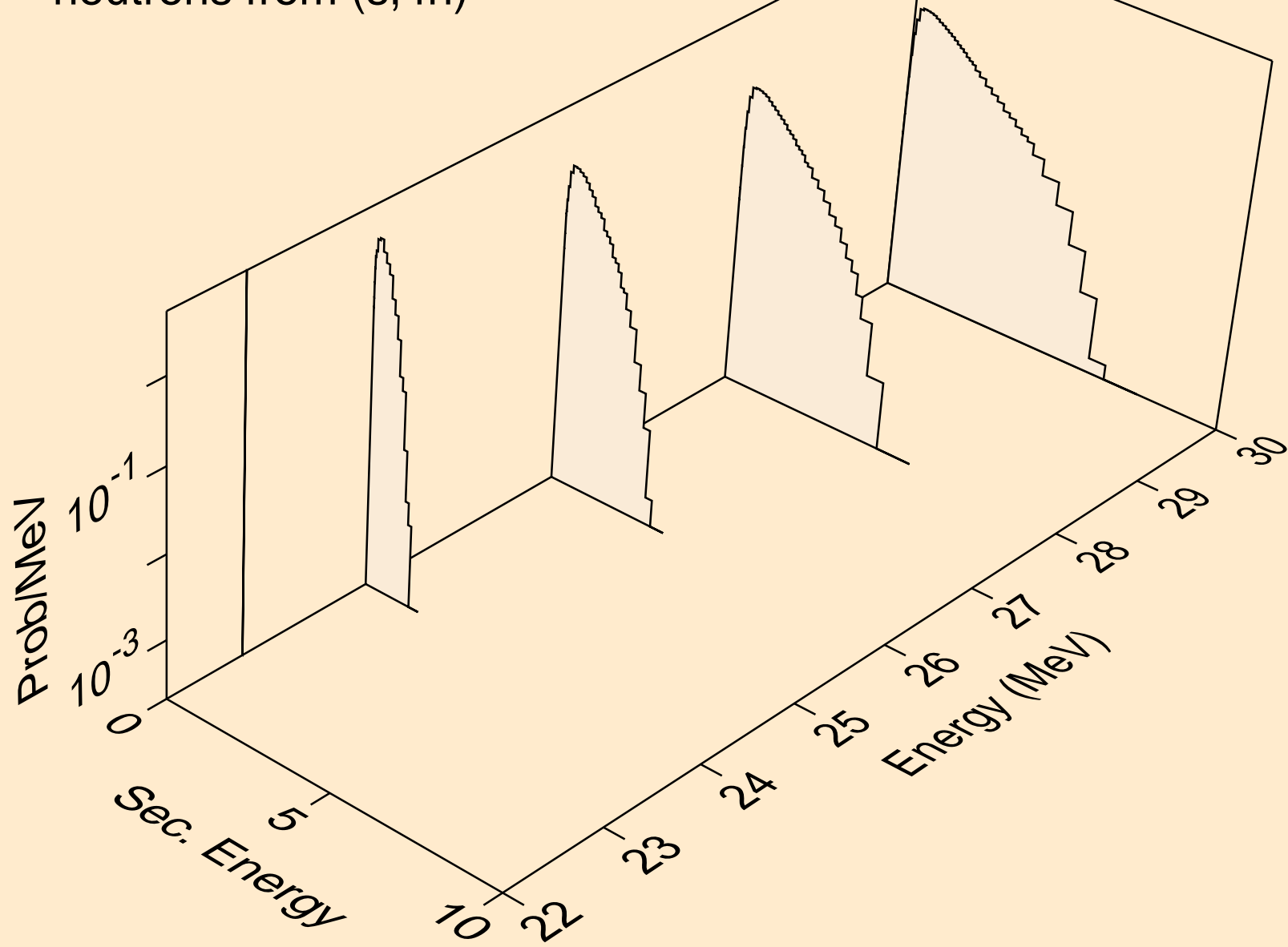
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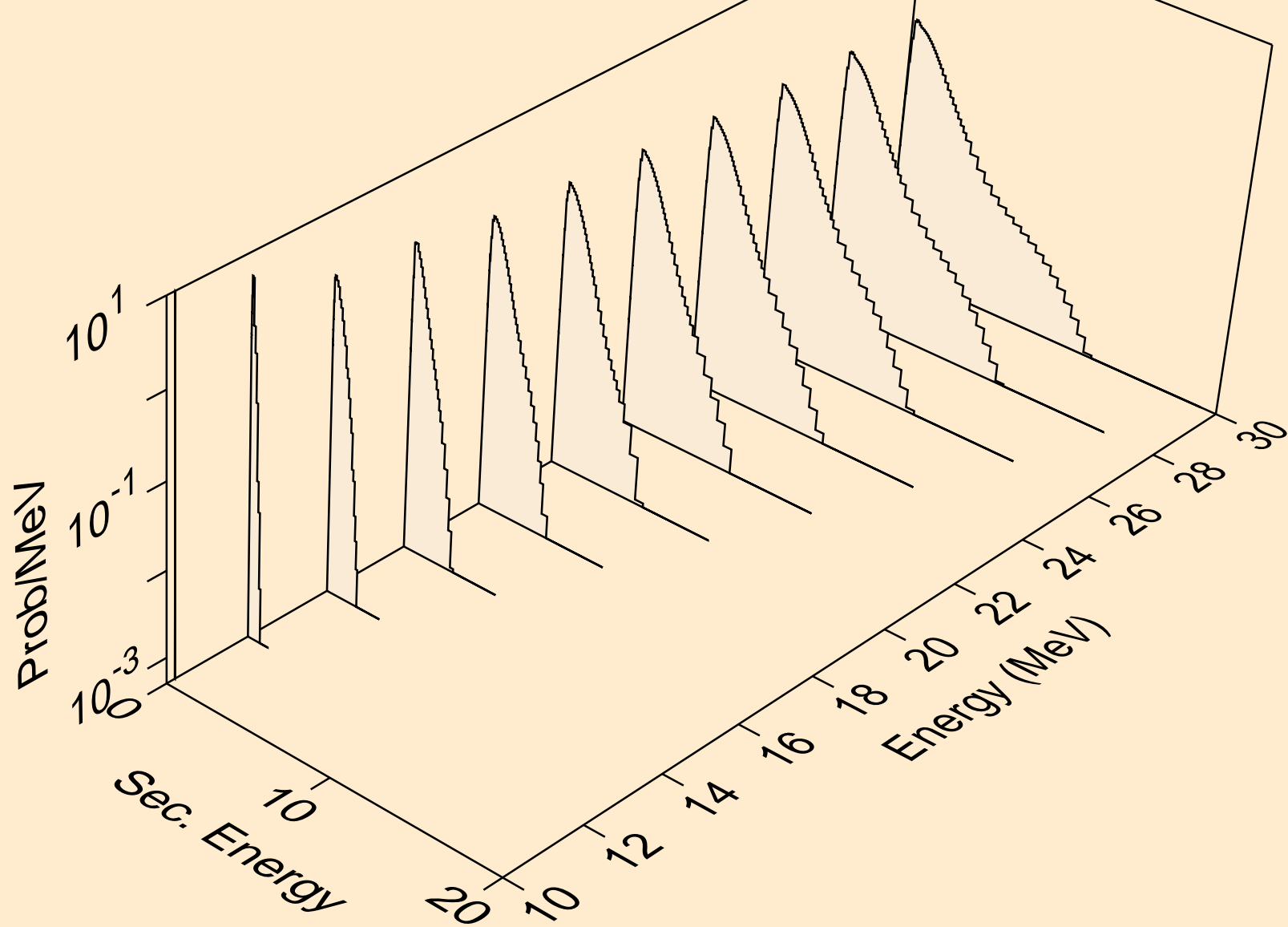
SN117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)he3



SN117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,4n)

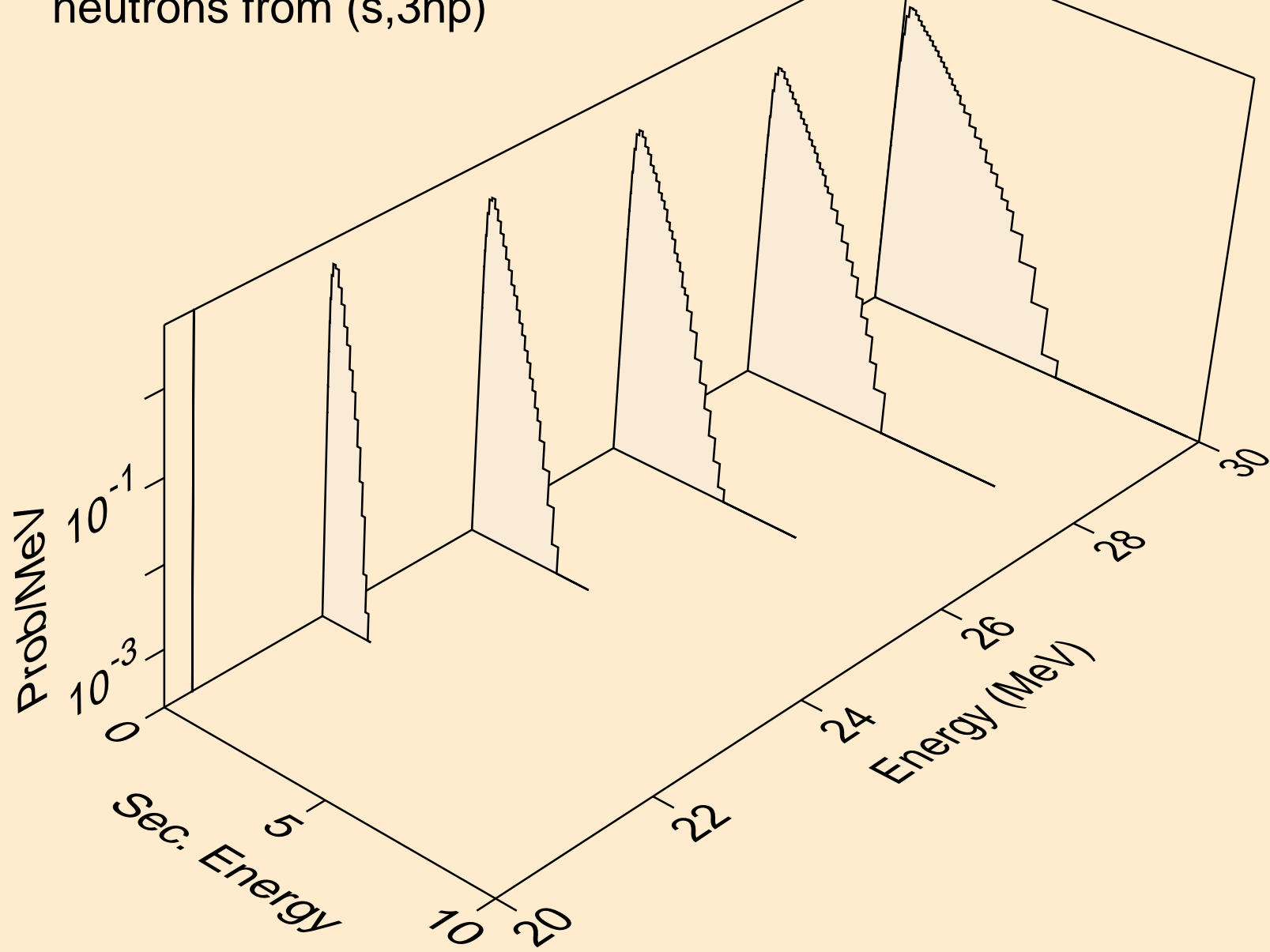


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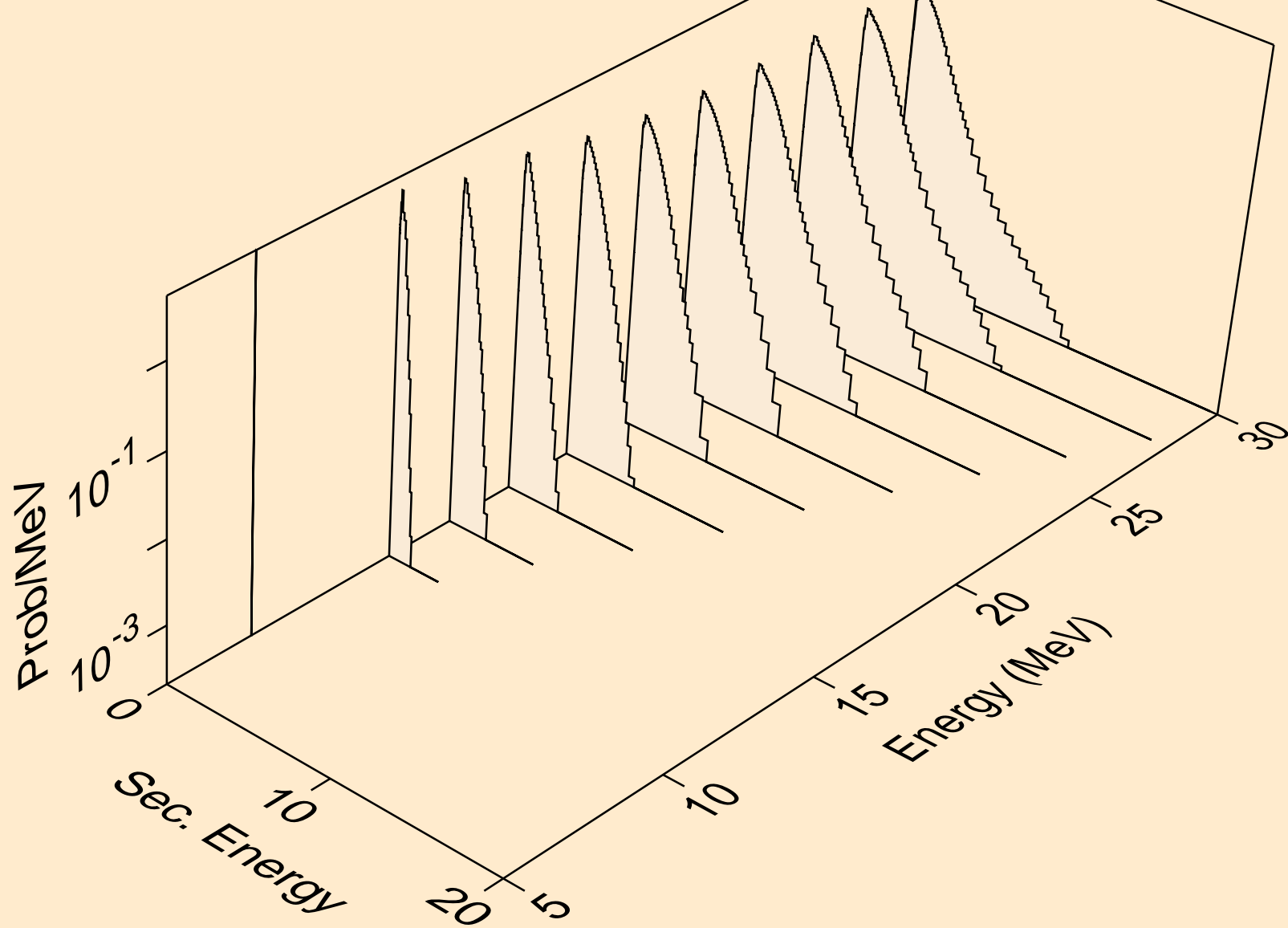




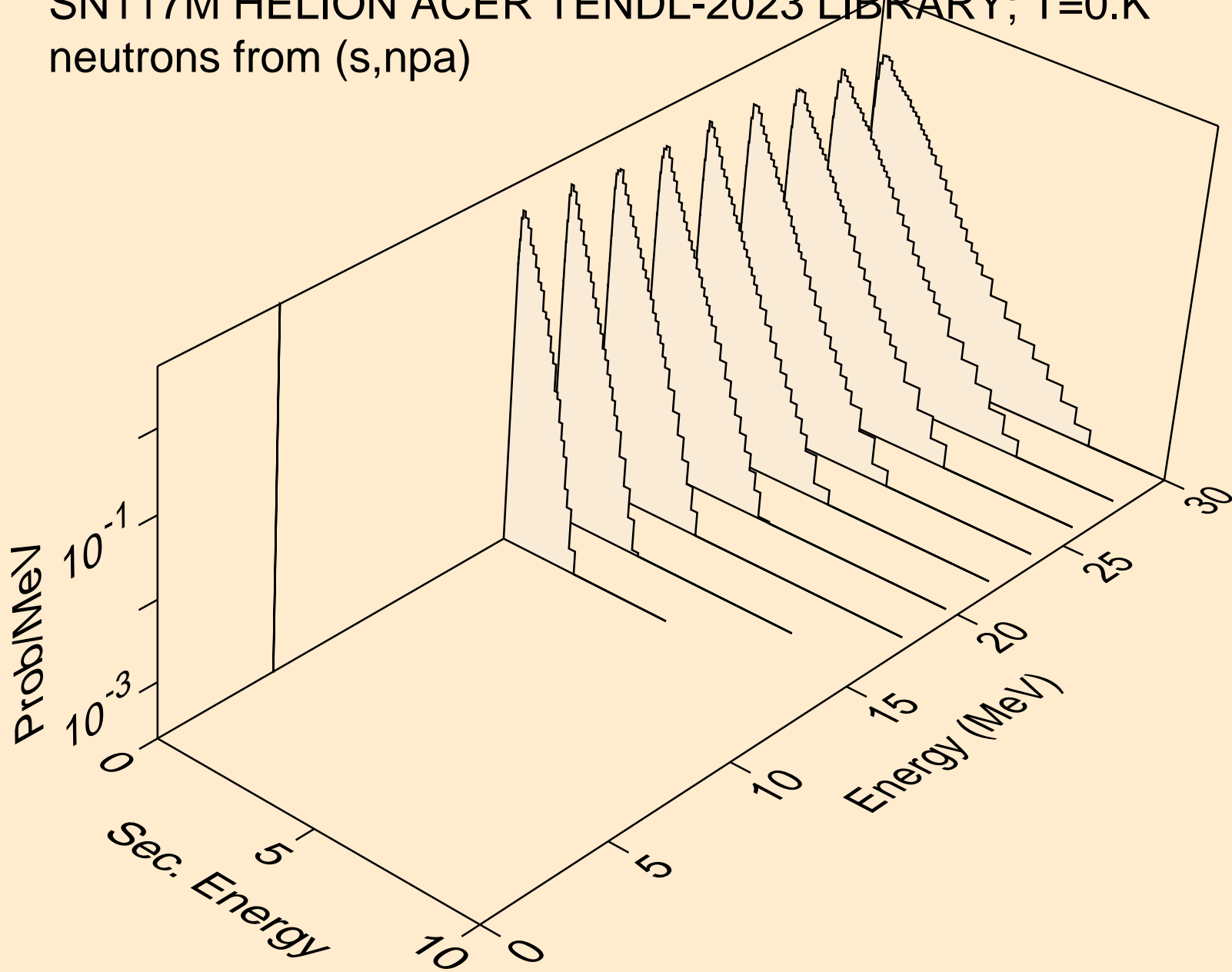
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neutrons from (s,3np)



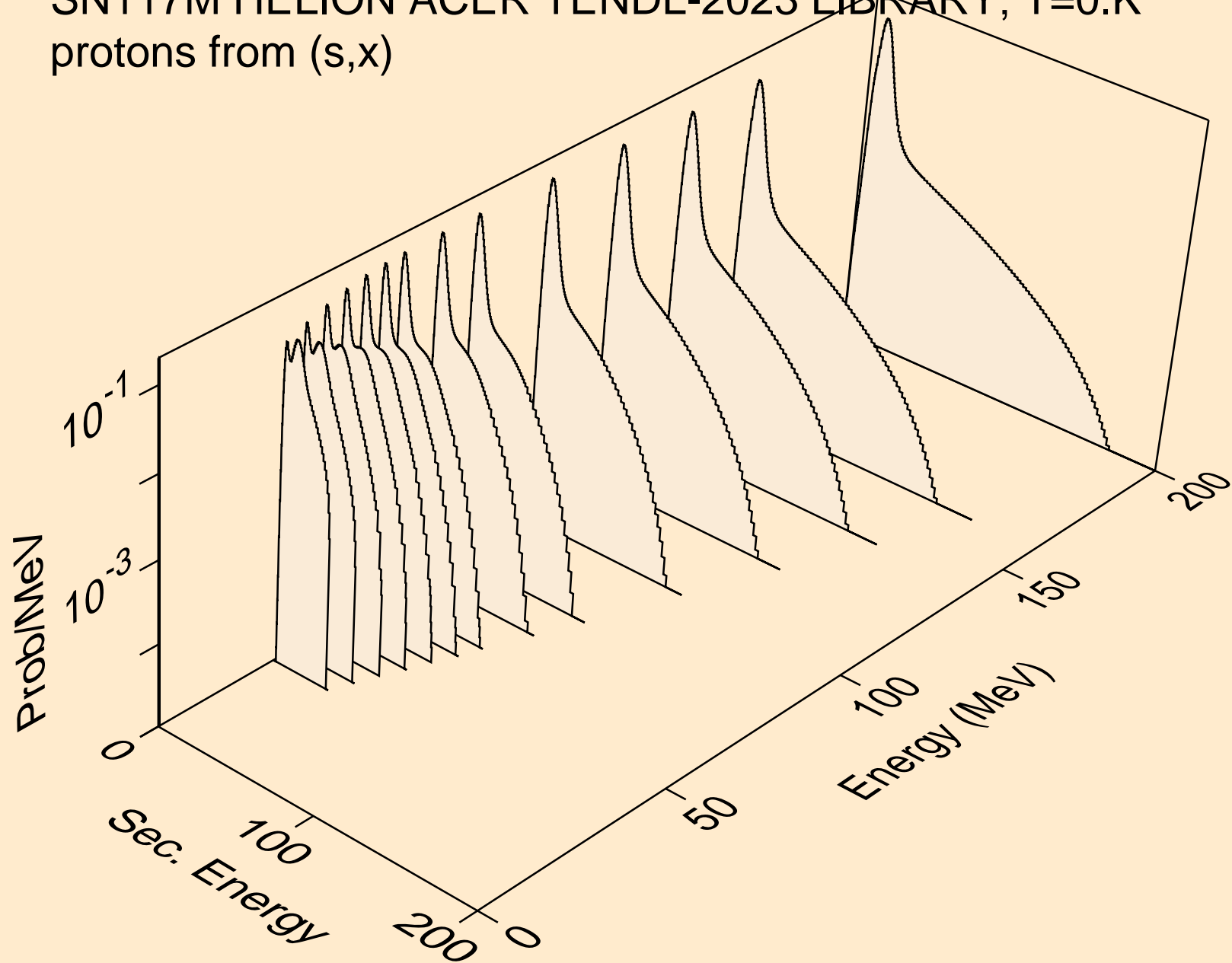
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neutrons from (s,n2p)



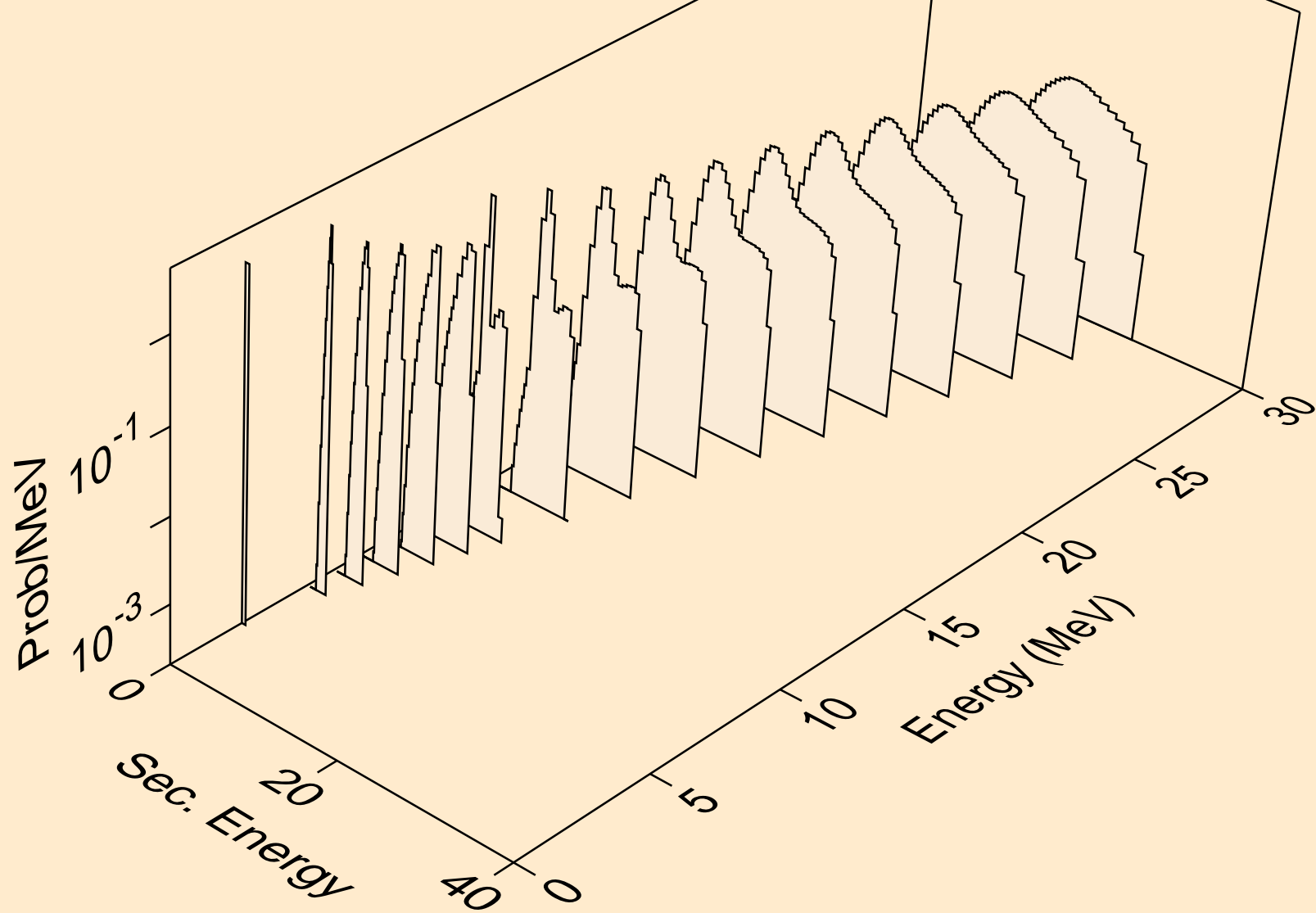
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neutrons from (s,npa)



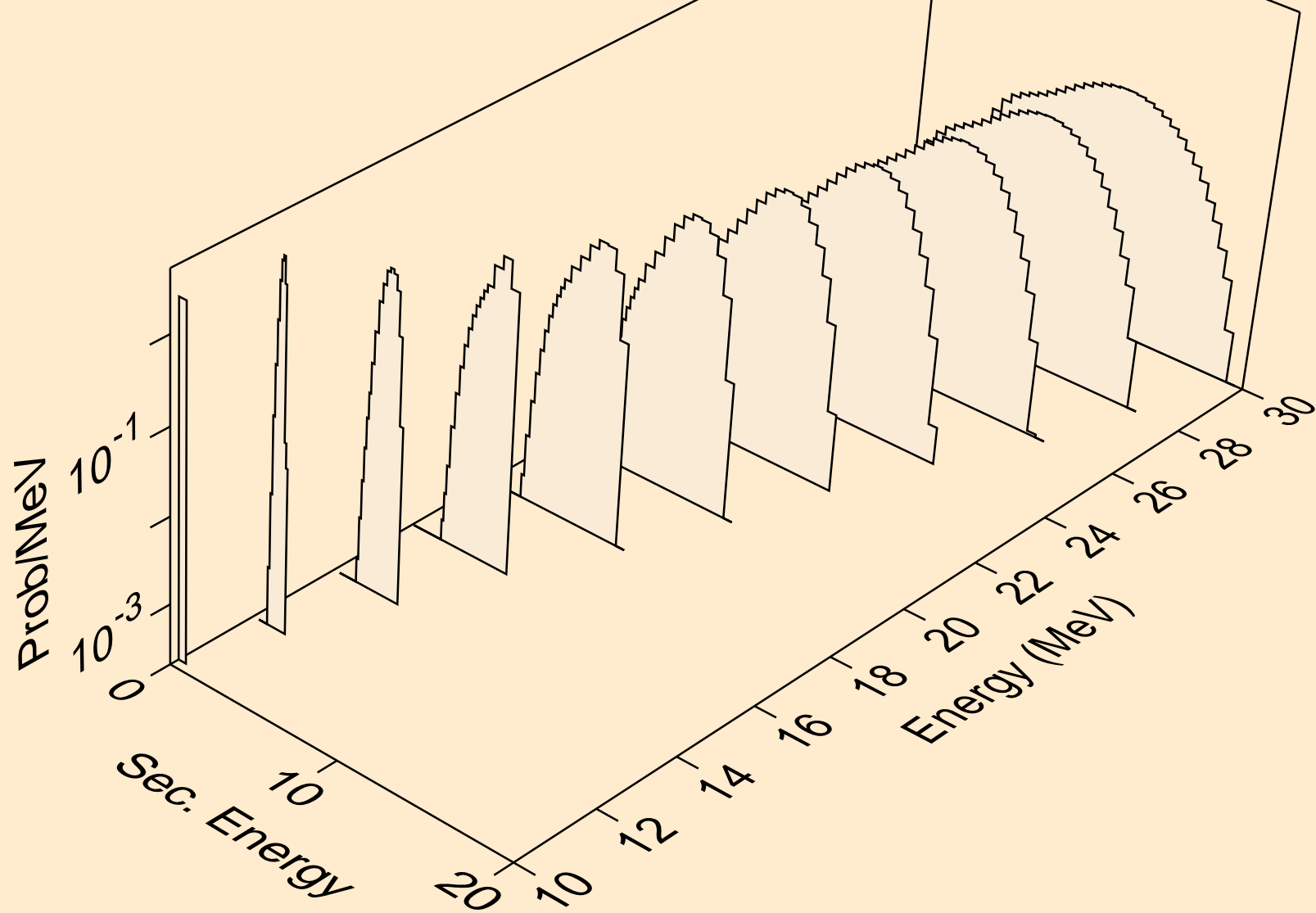
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protons from (s,x)



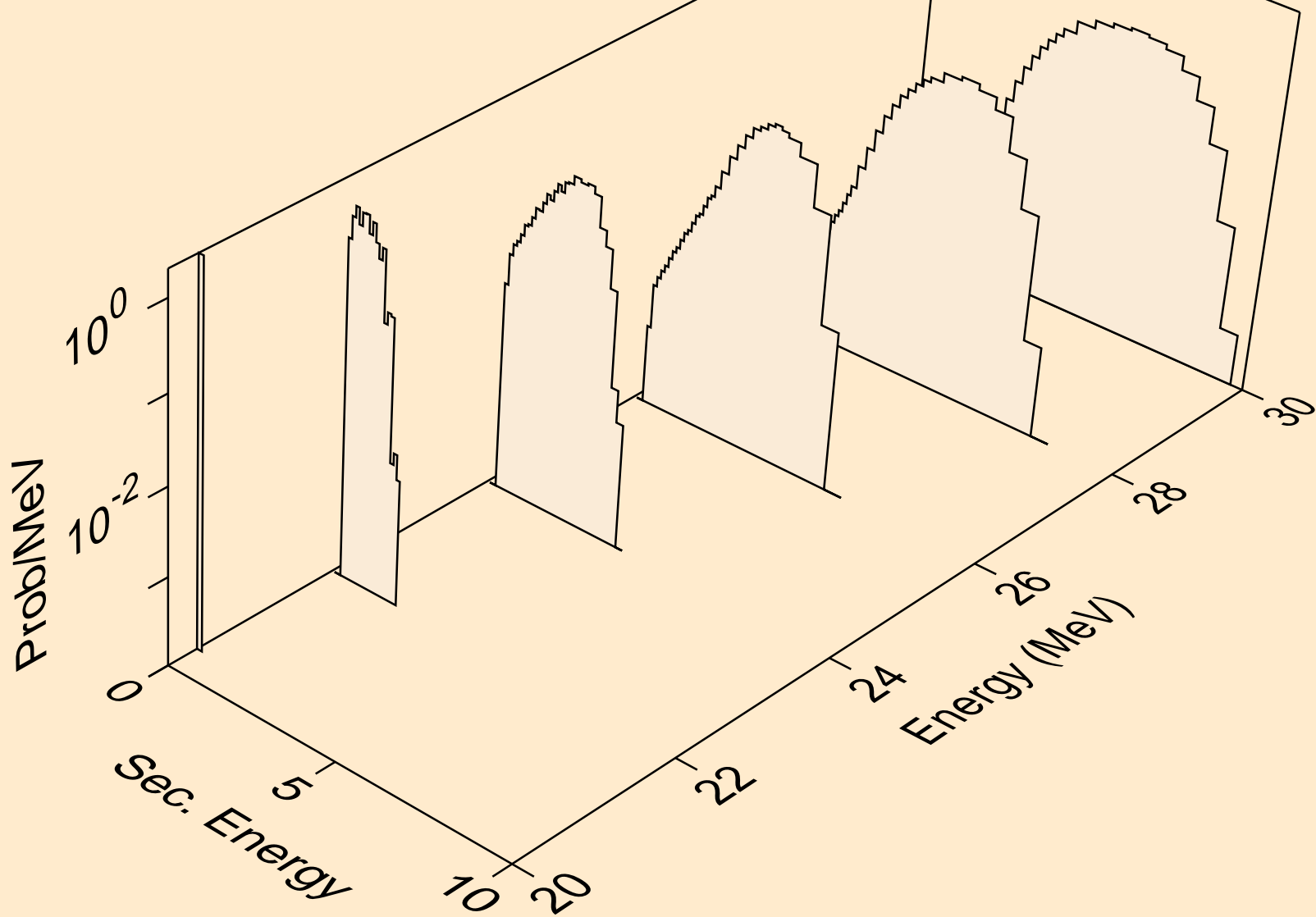
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protons from (s,n\*)p



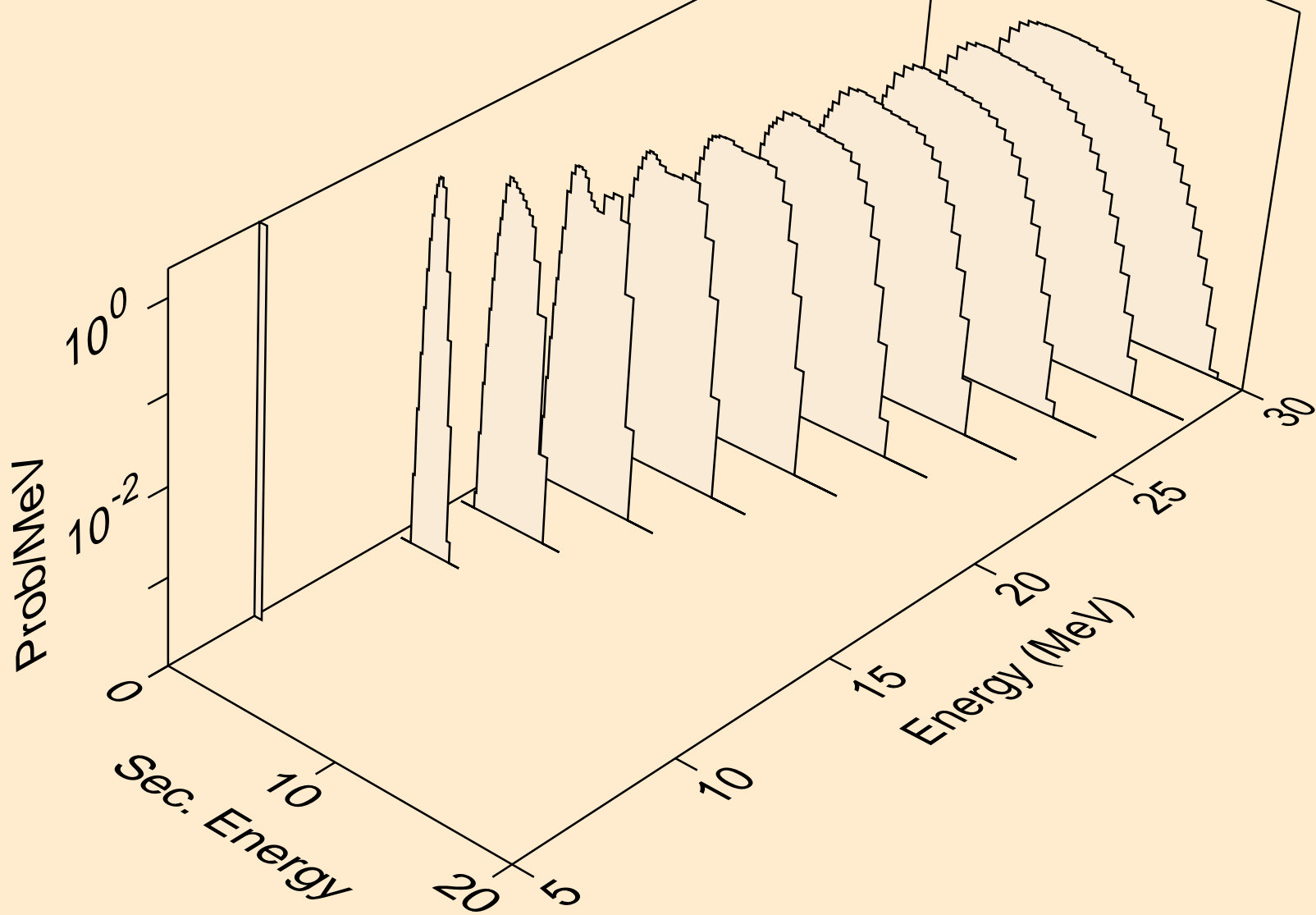
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protons from (s,2np)



SN117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,3np)

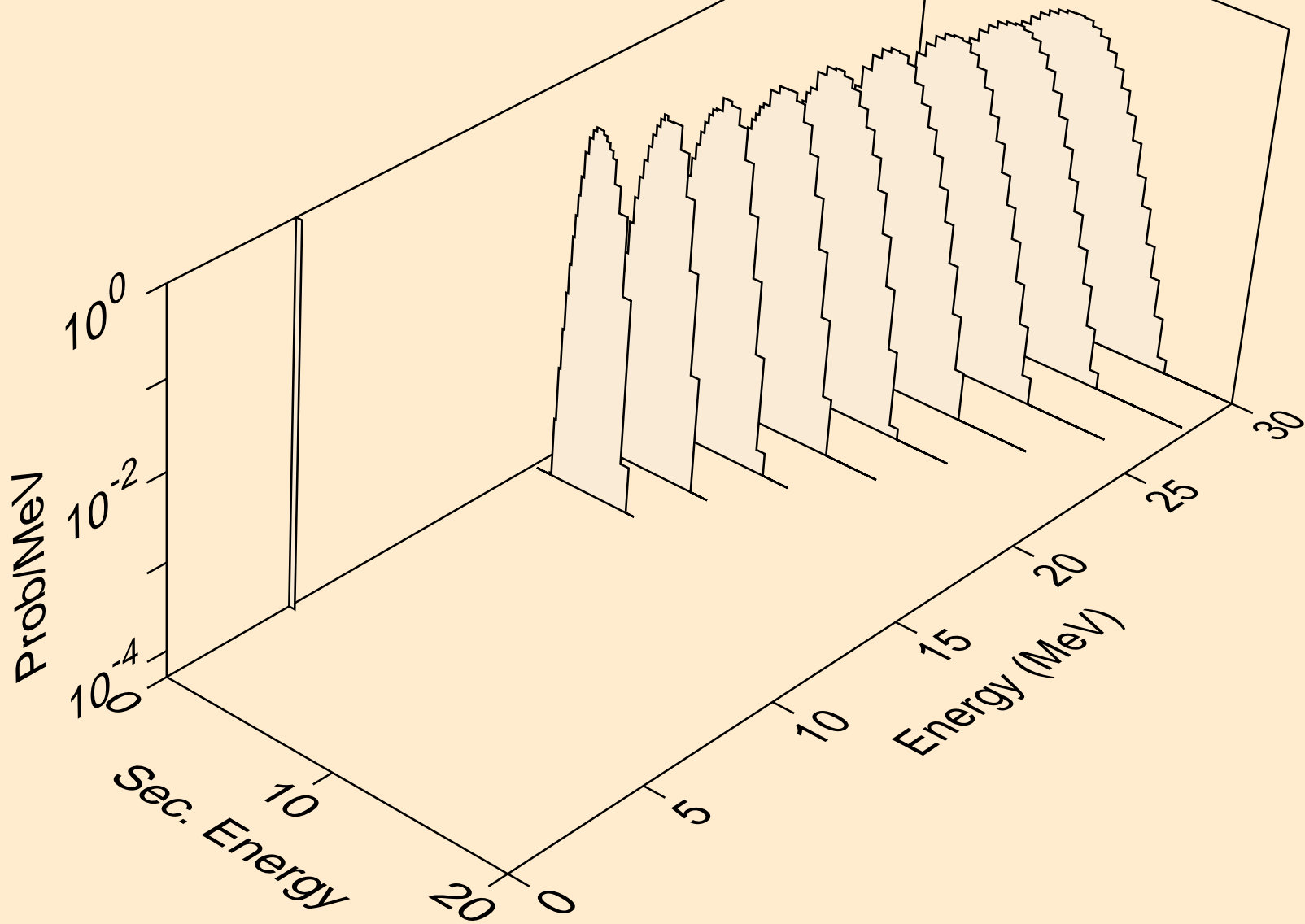


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protons from (s,n2p)

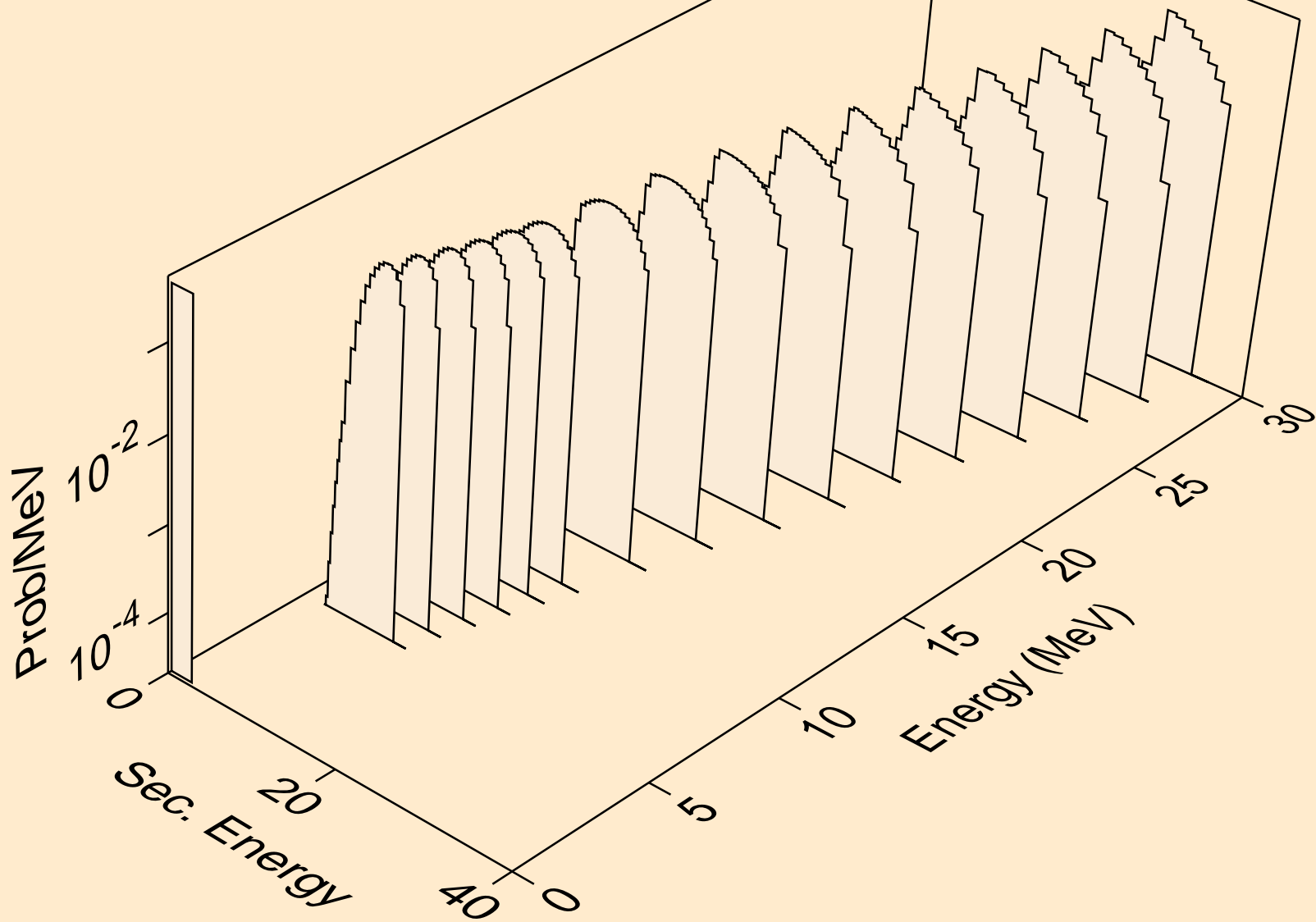




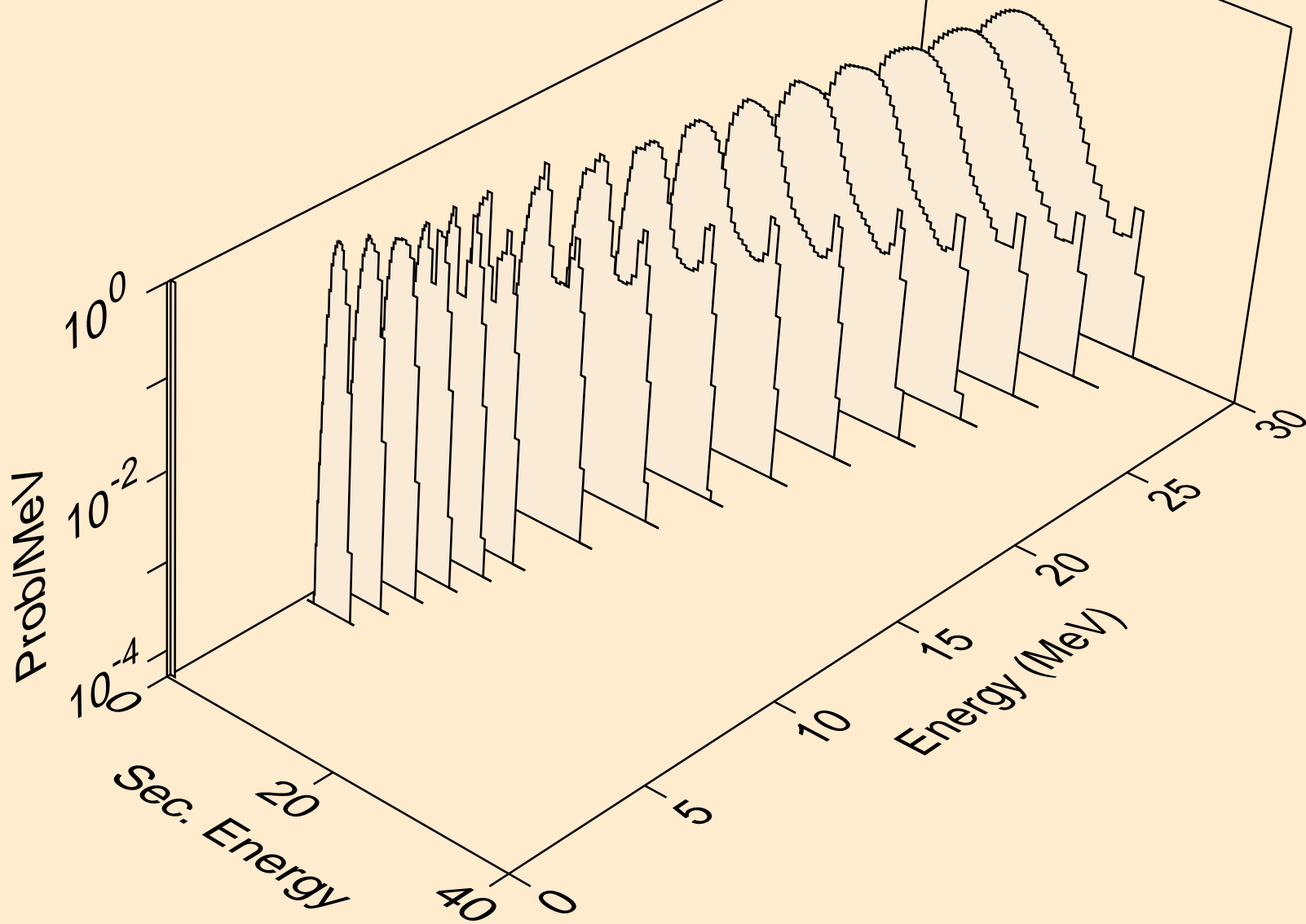
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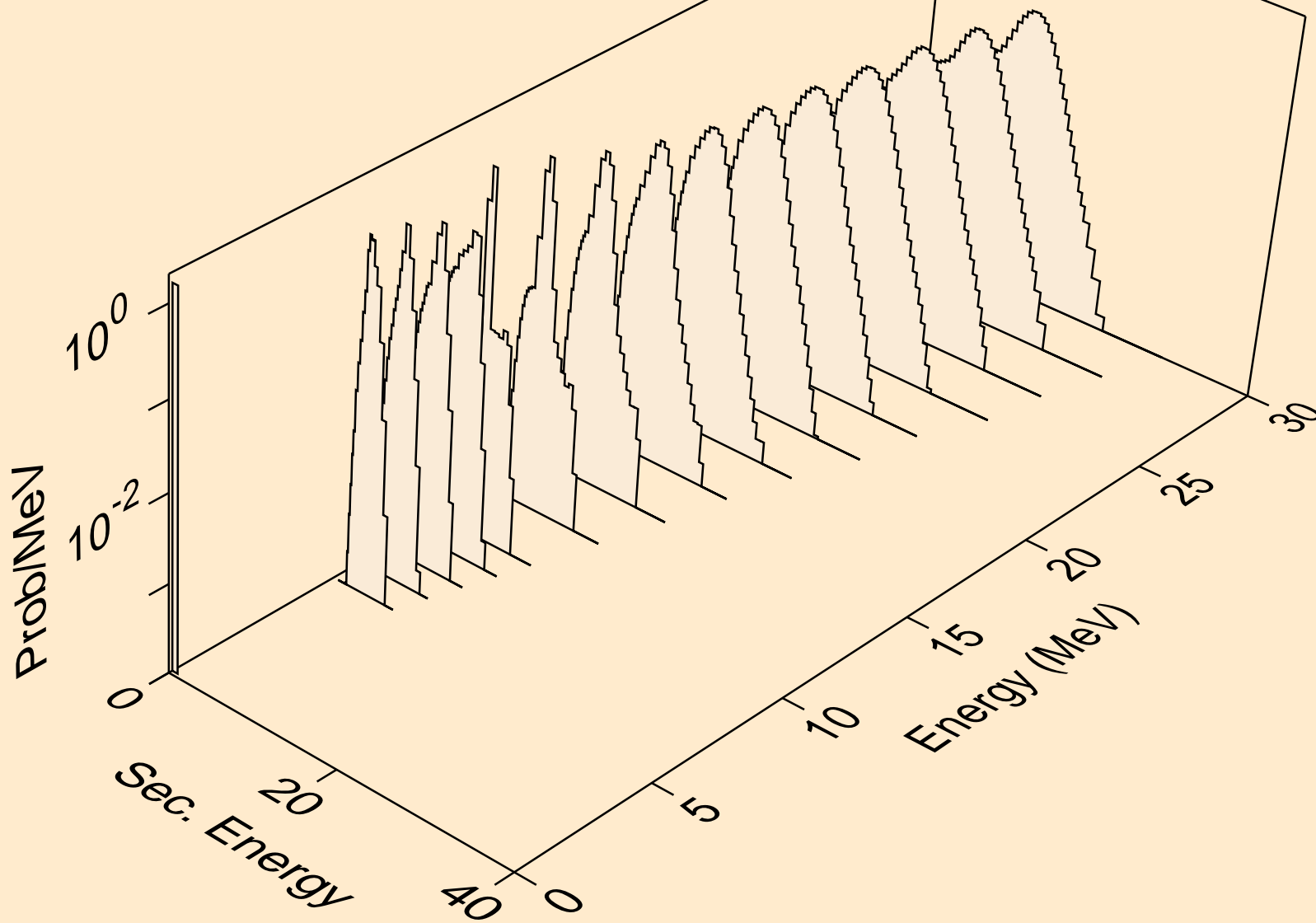
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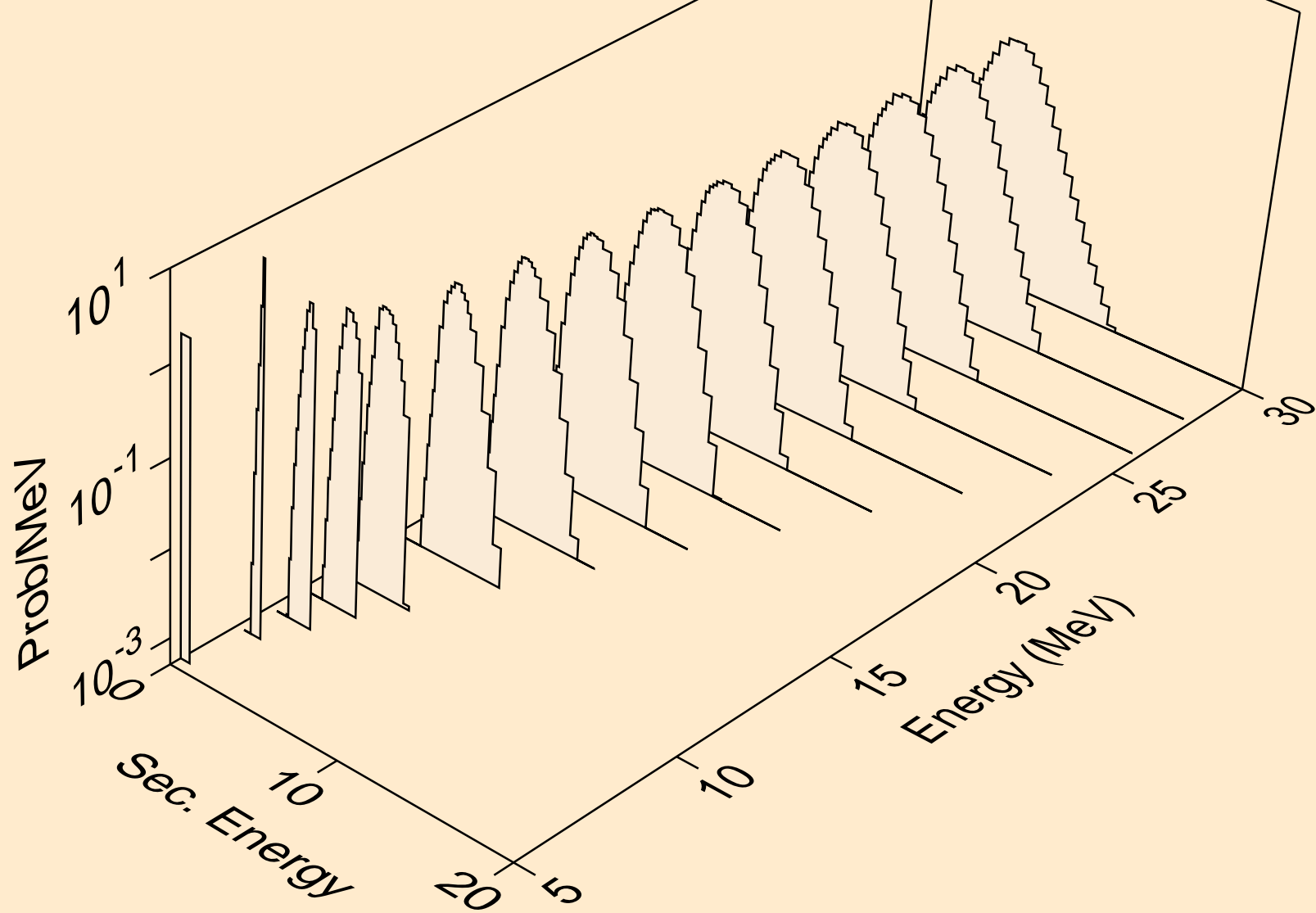
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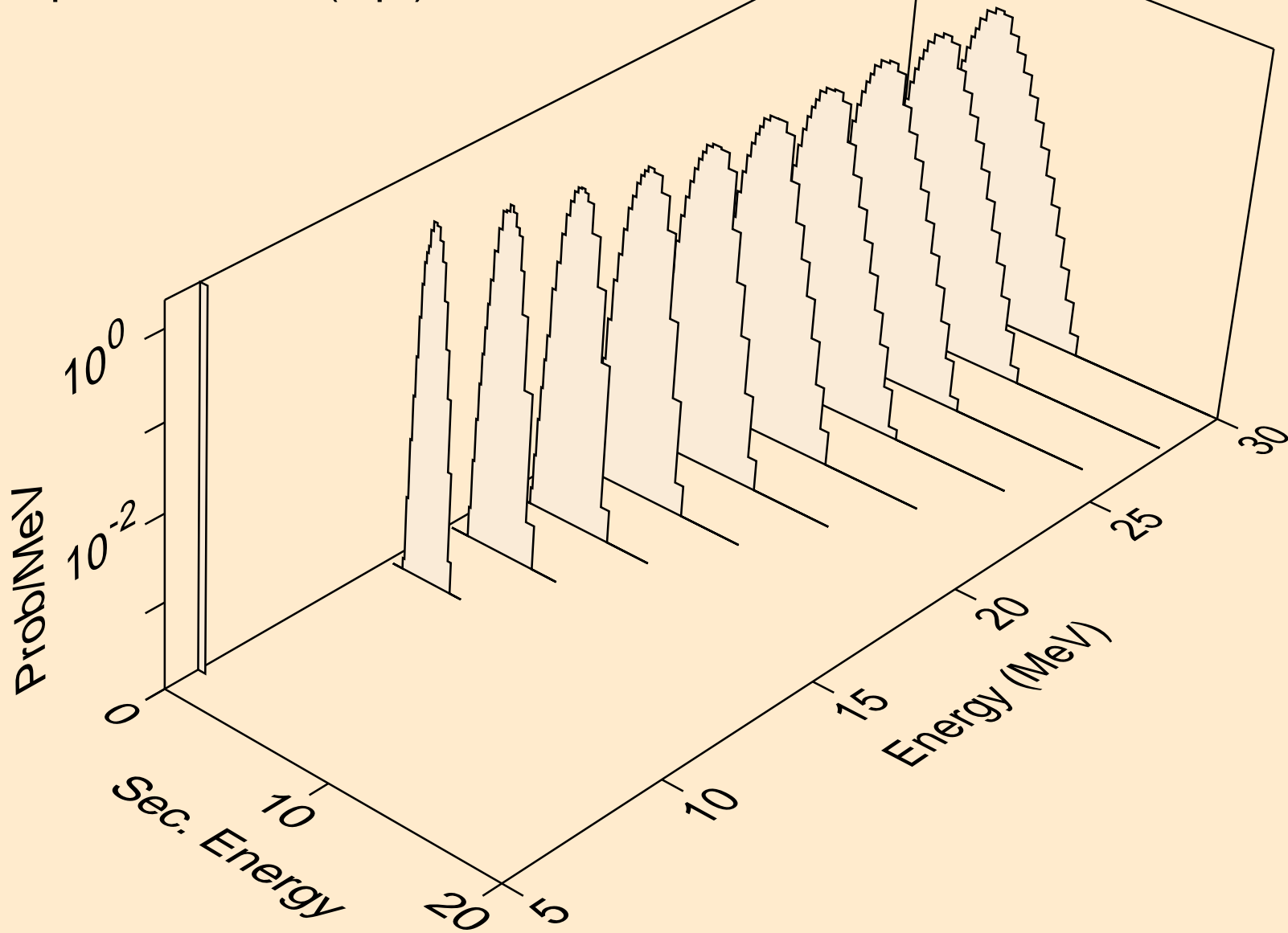
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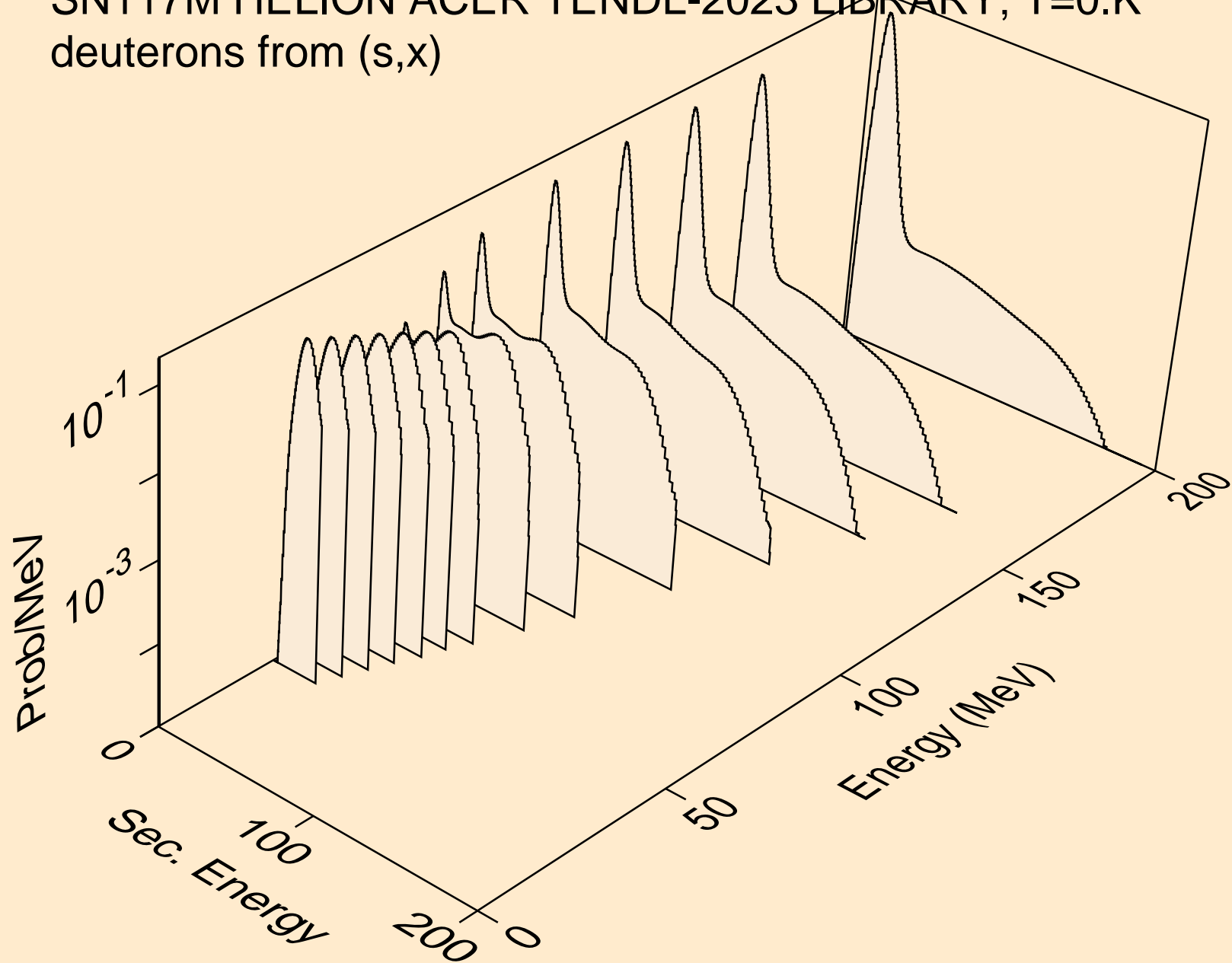
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protons from (s,pd)



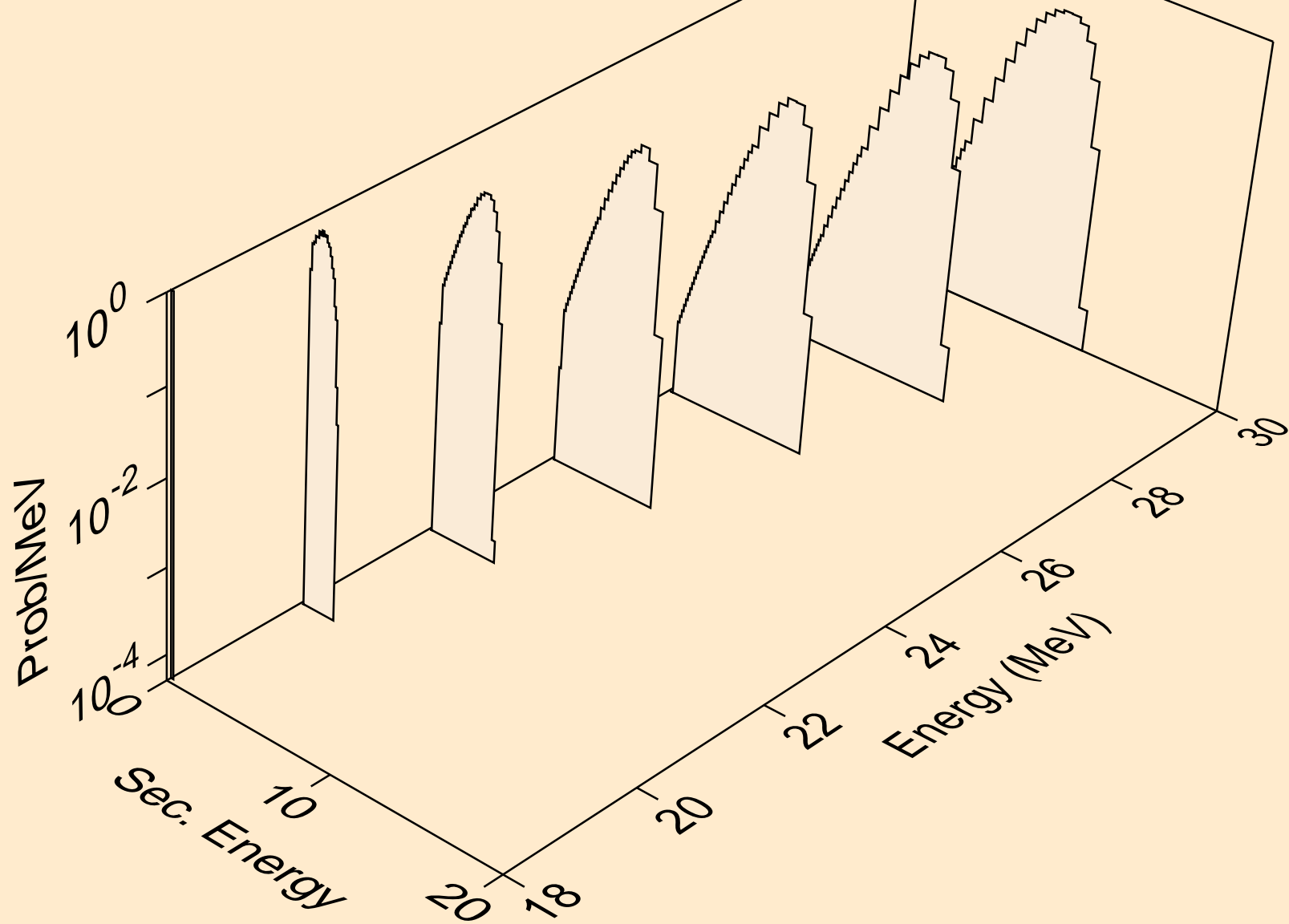
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protons from (s,pt)



SN117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,x)

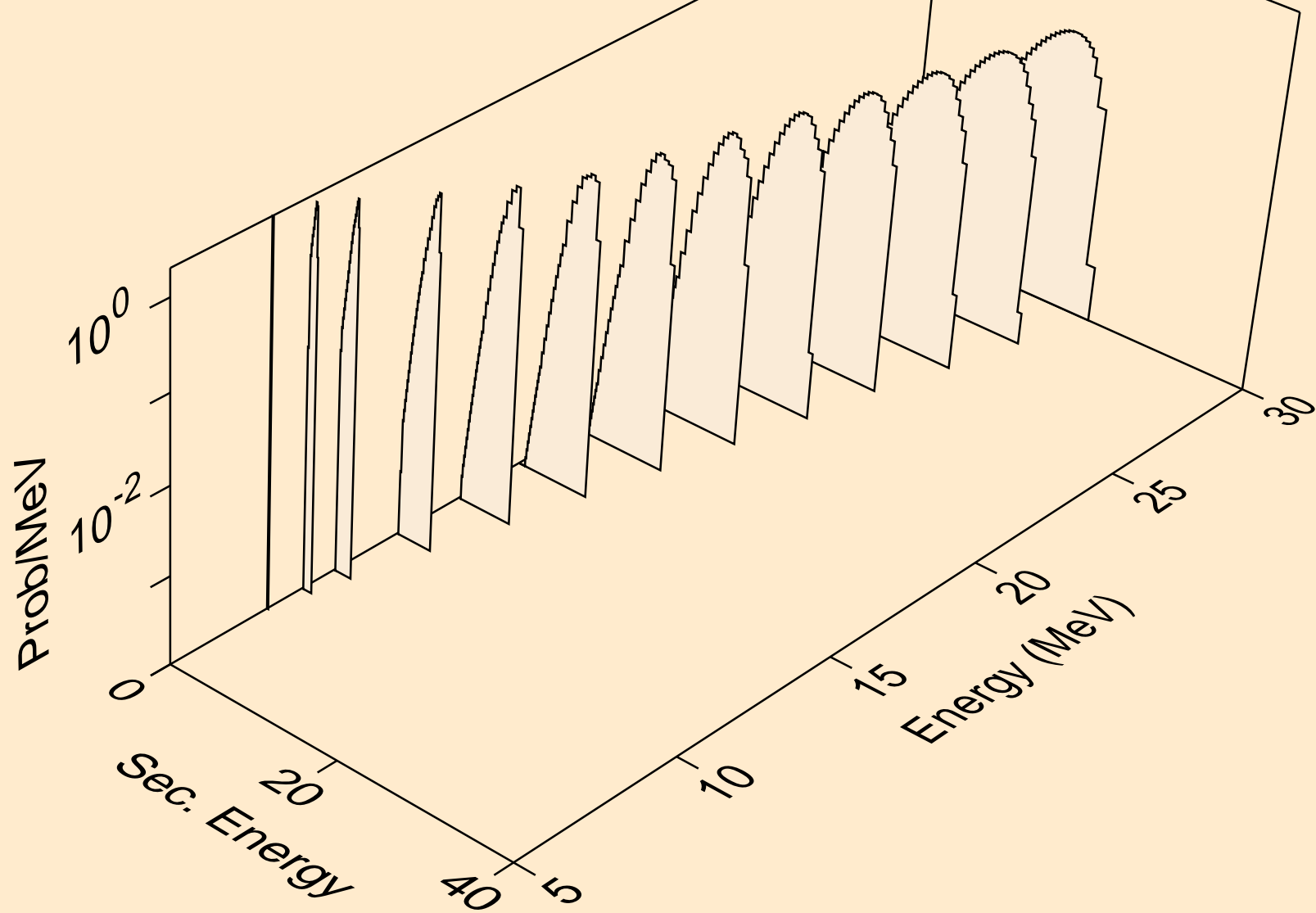


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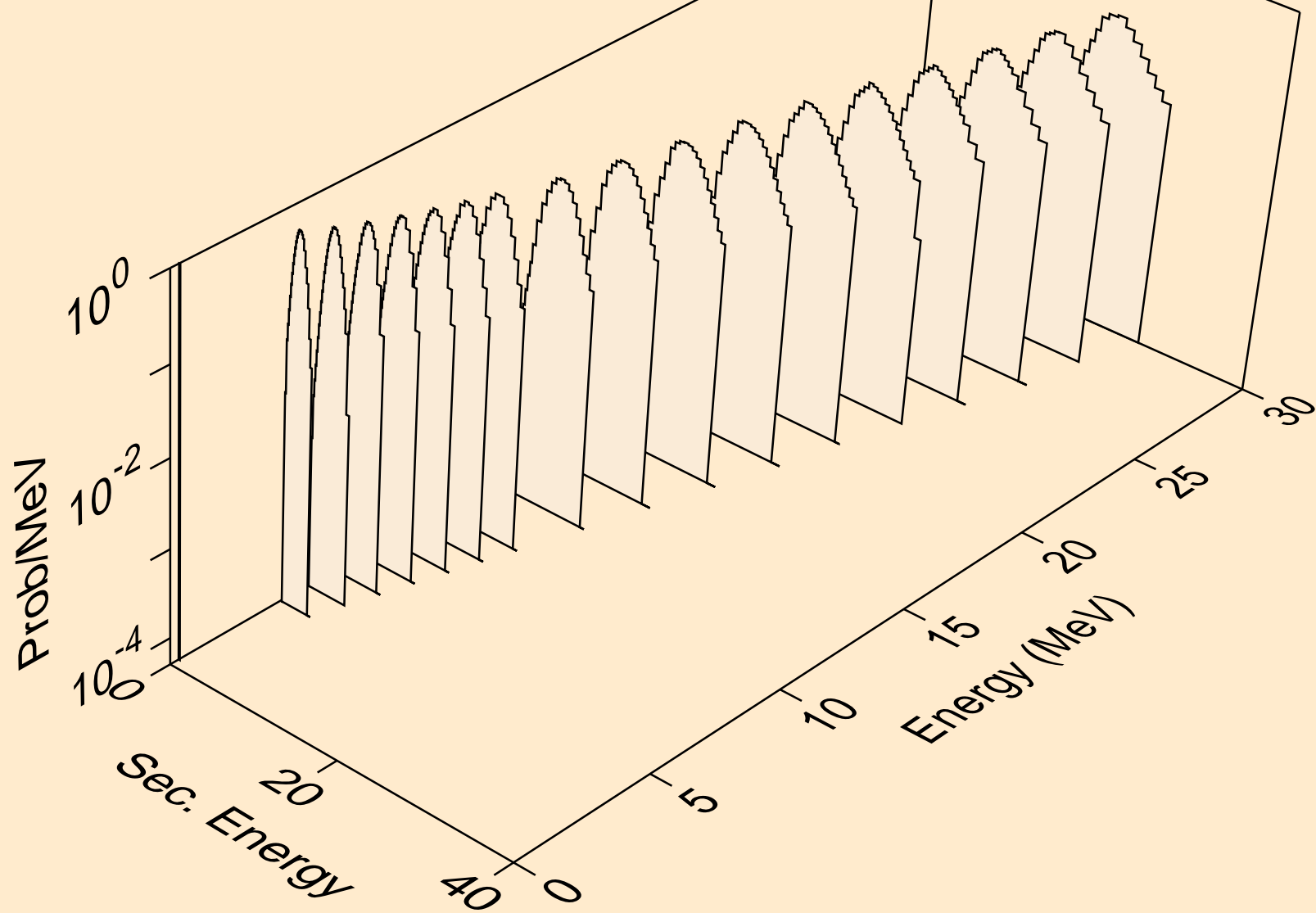




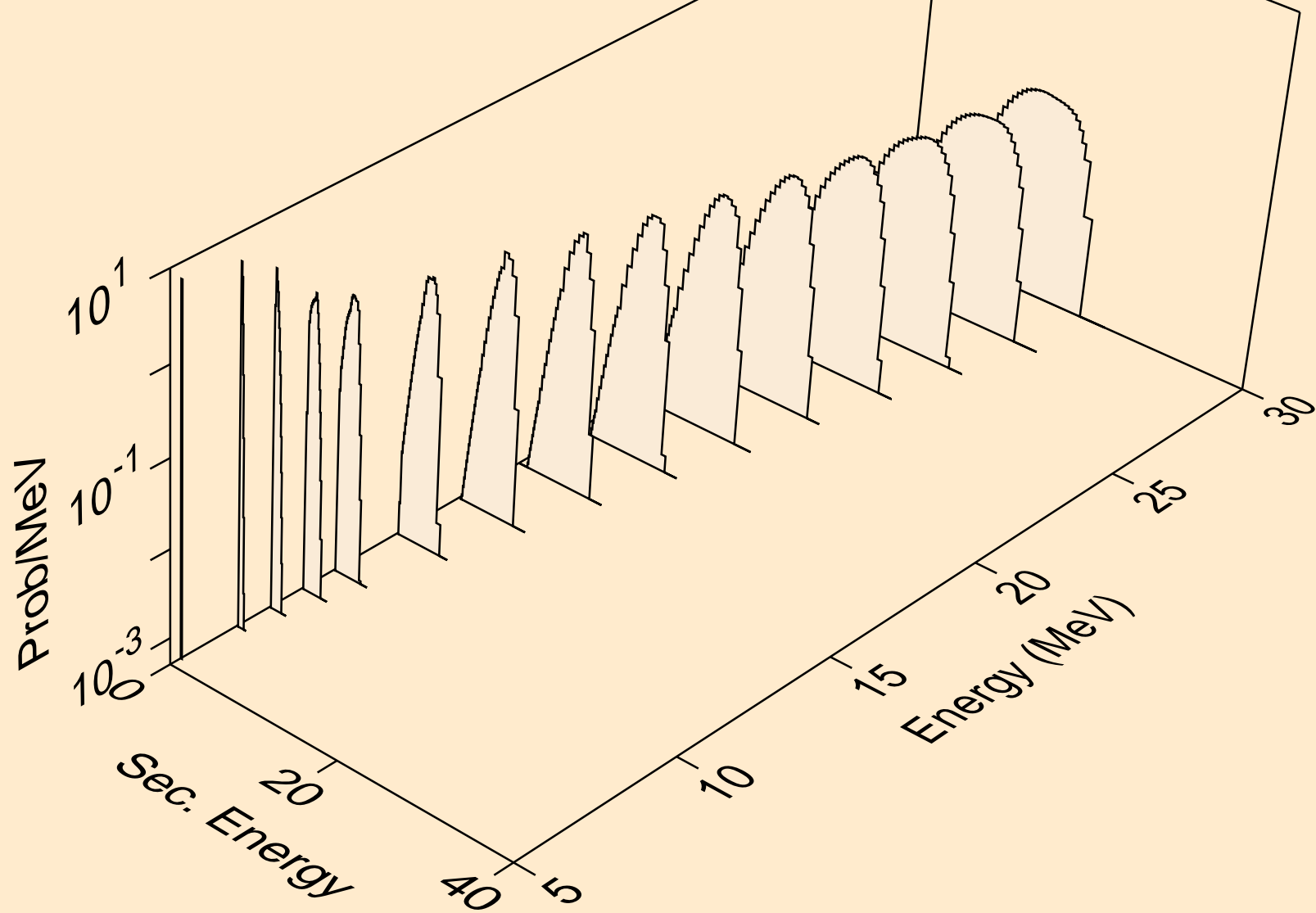
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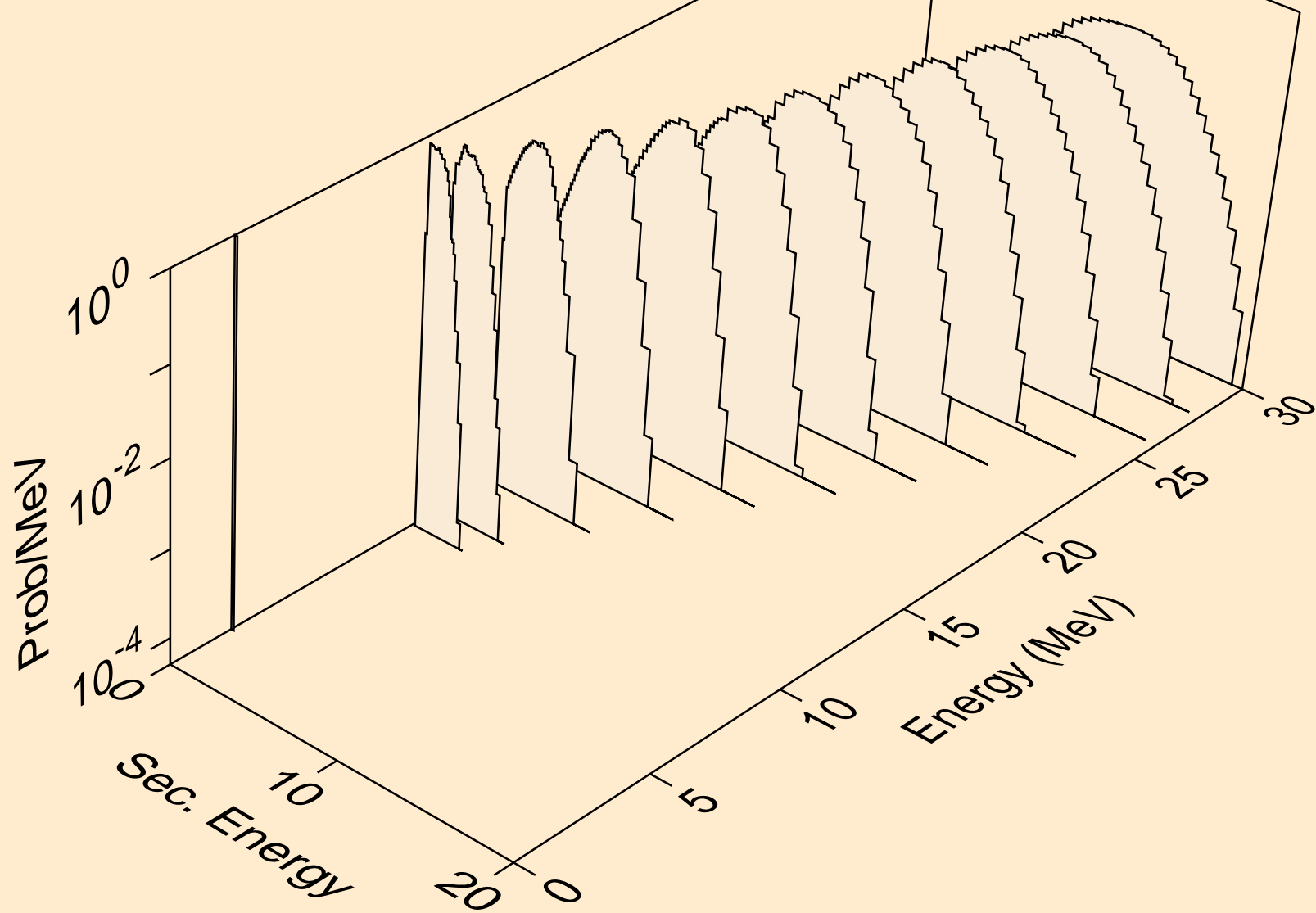
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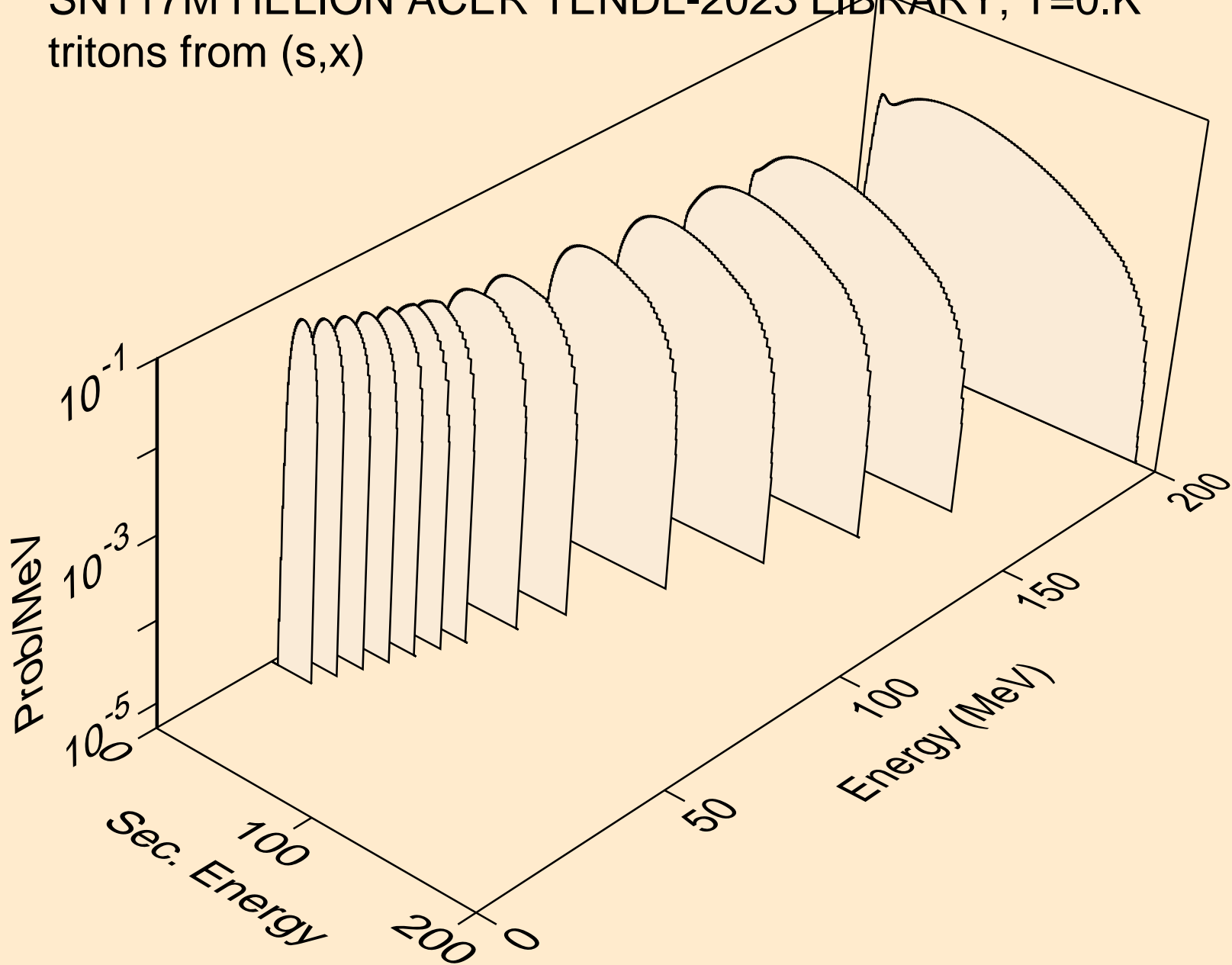
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deuterons from (s,pd)



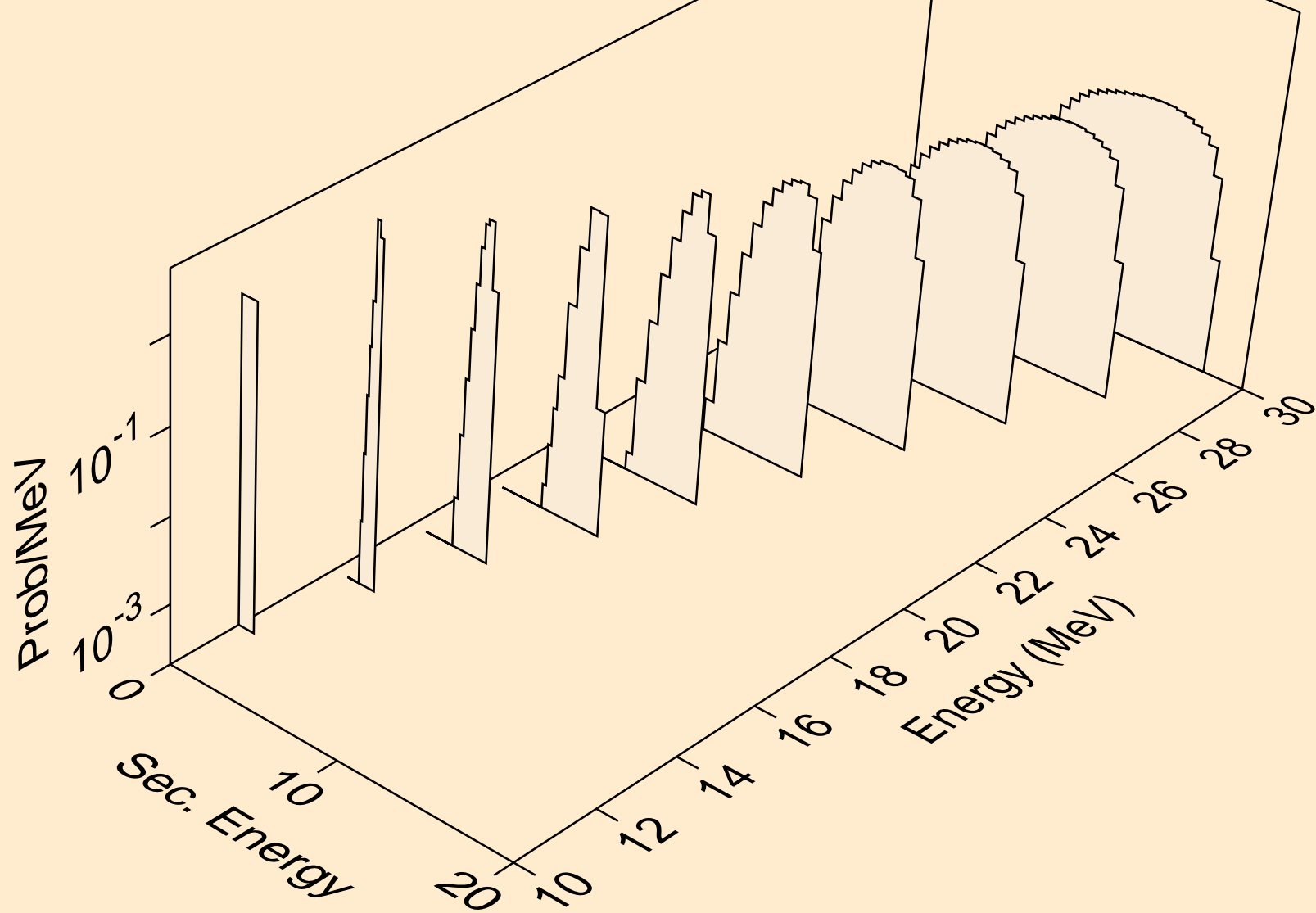
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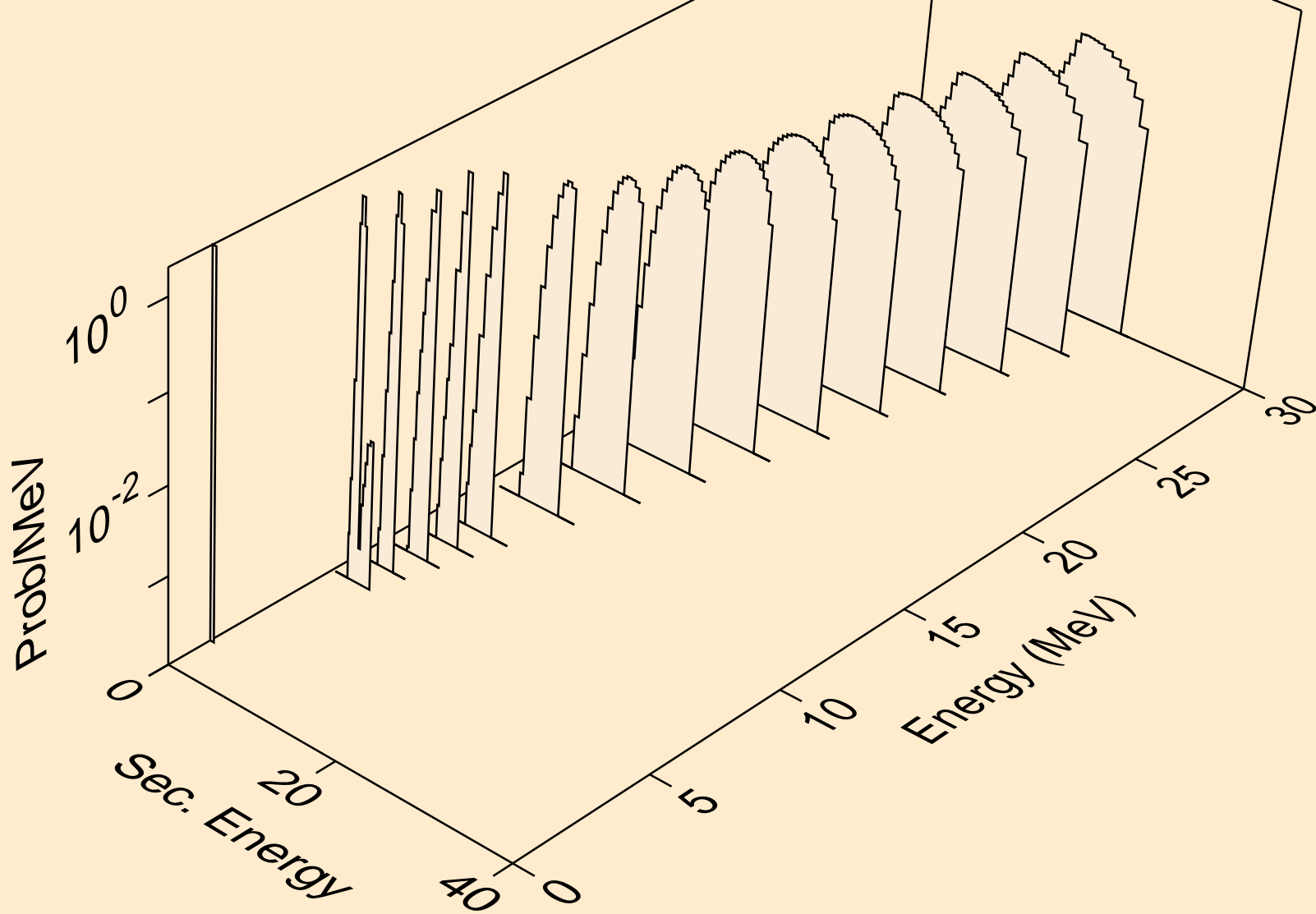
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tritons from (s,x)



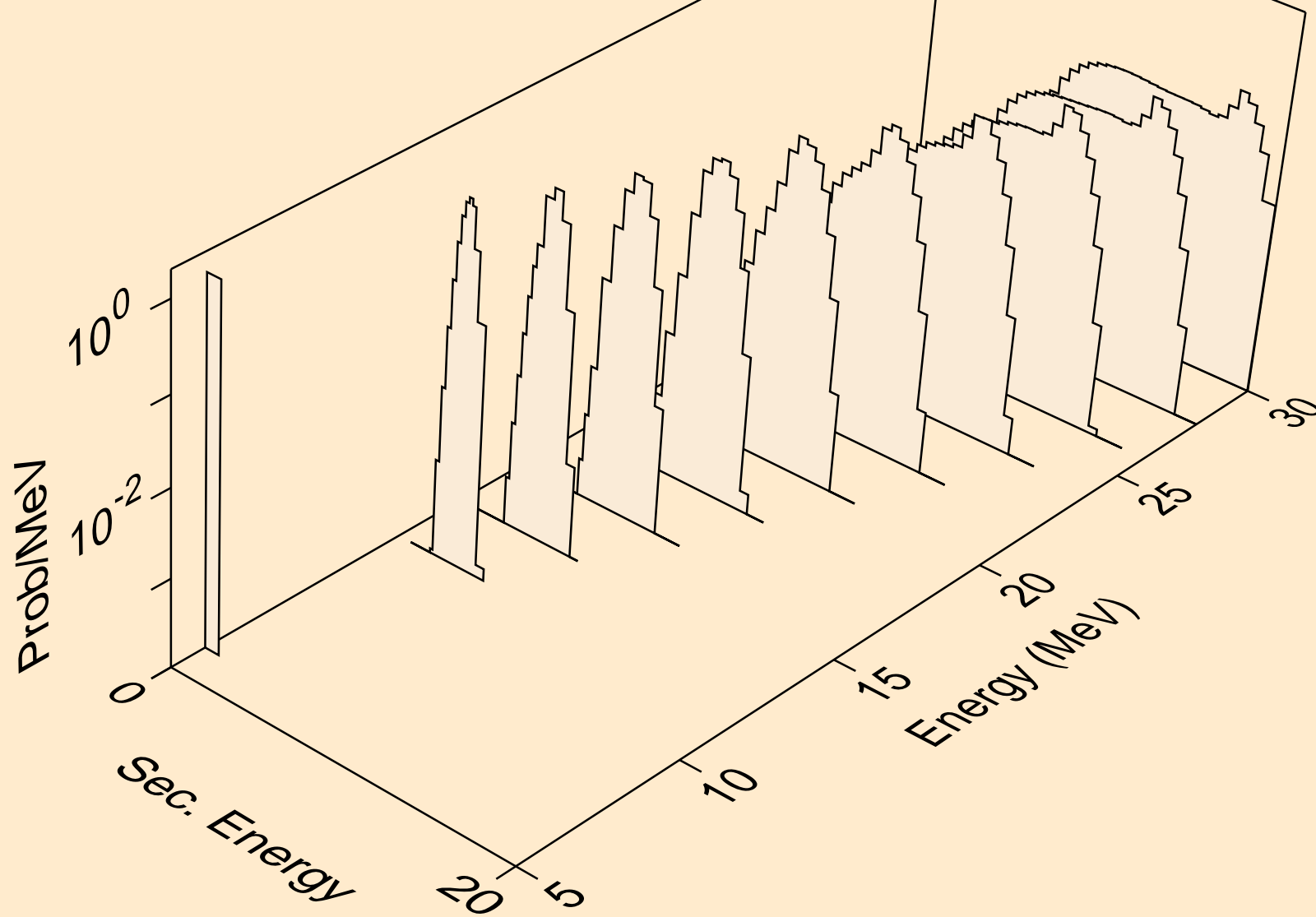
SN117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,n\*)t



SN117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
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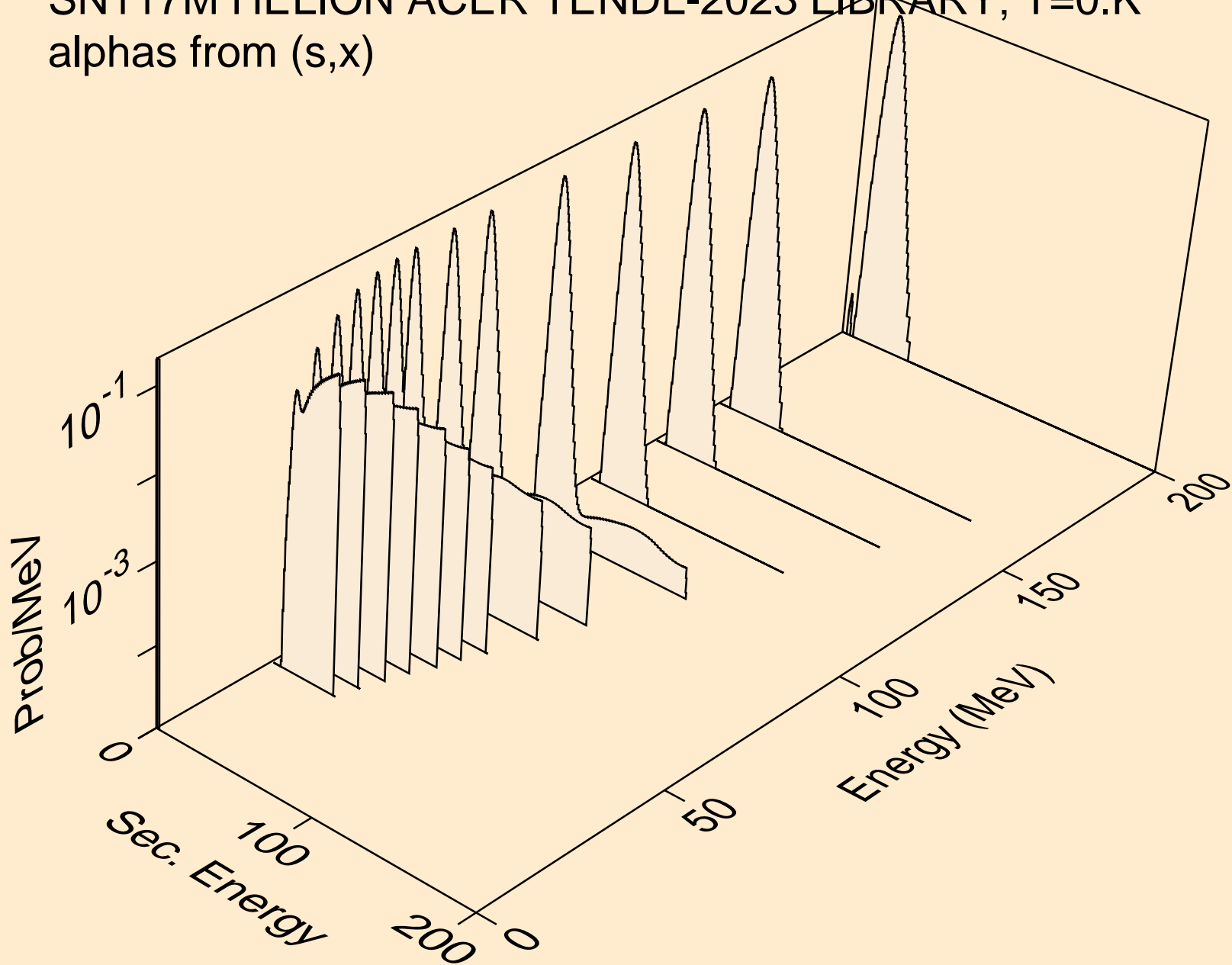


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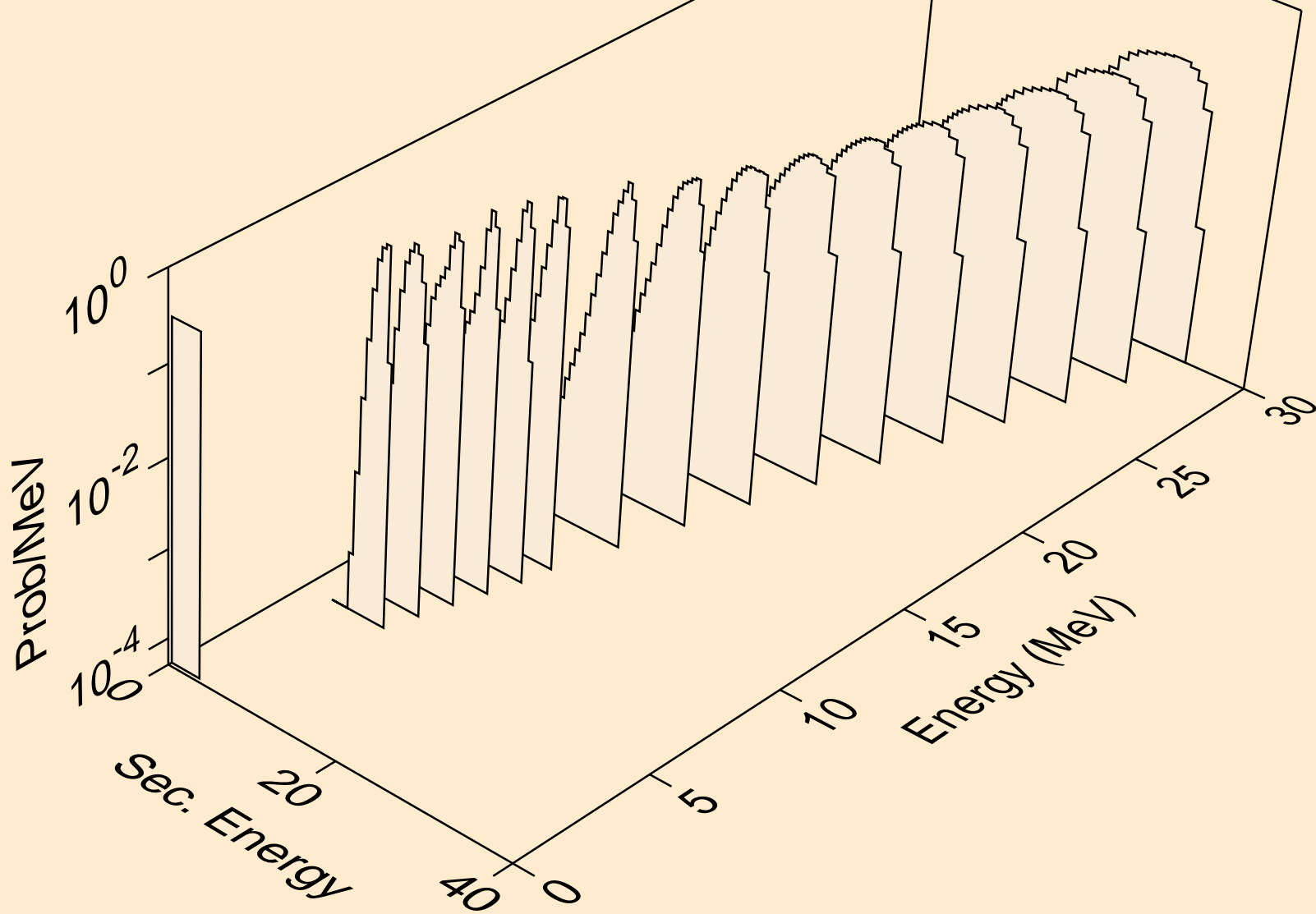




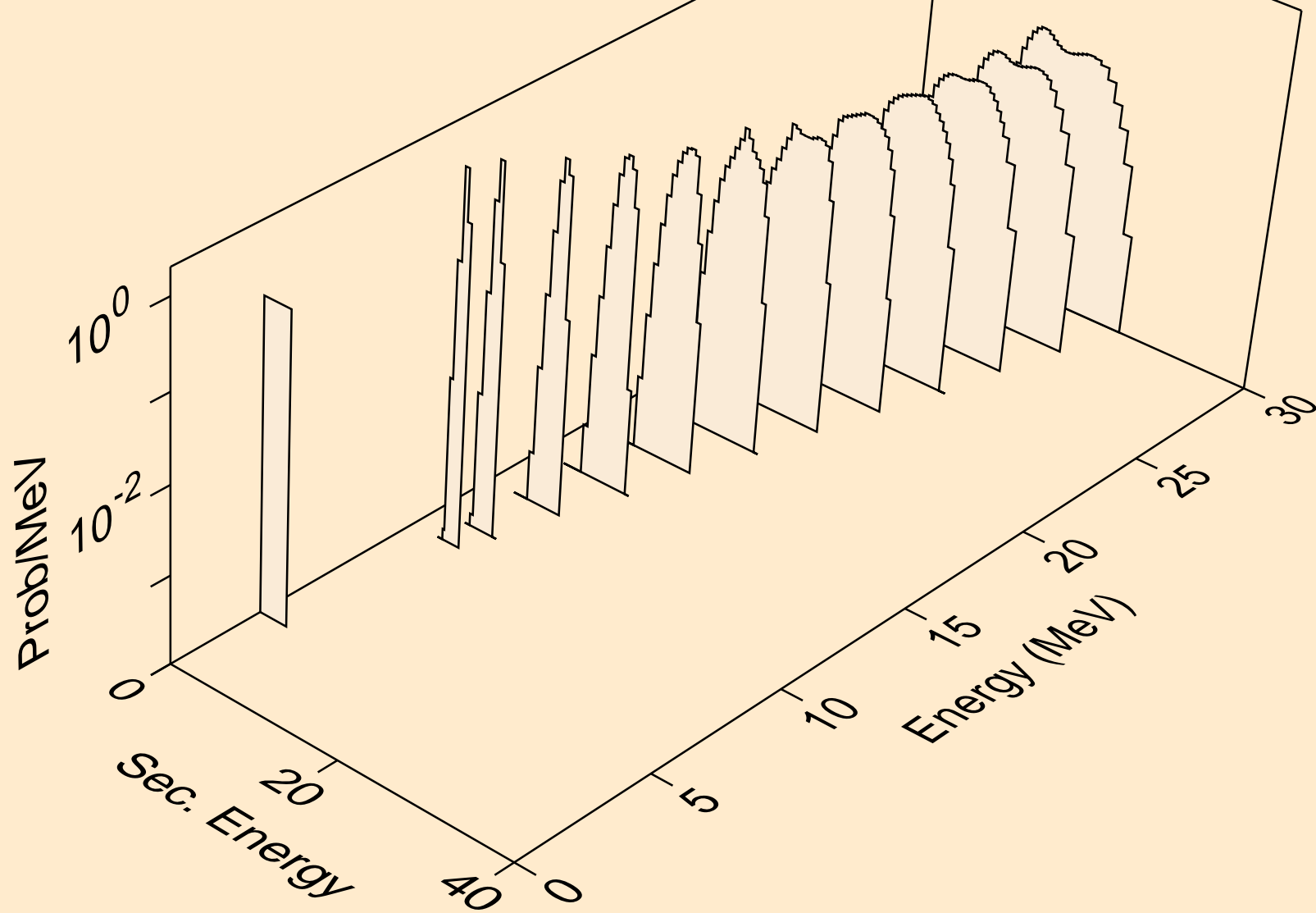
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alphas from (s,x)



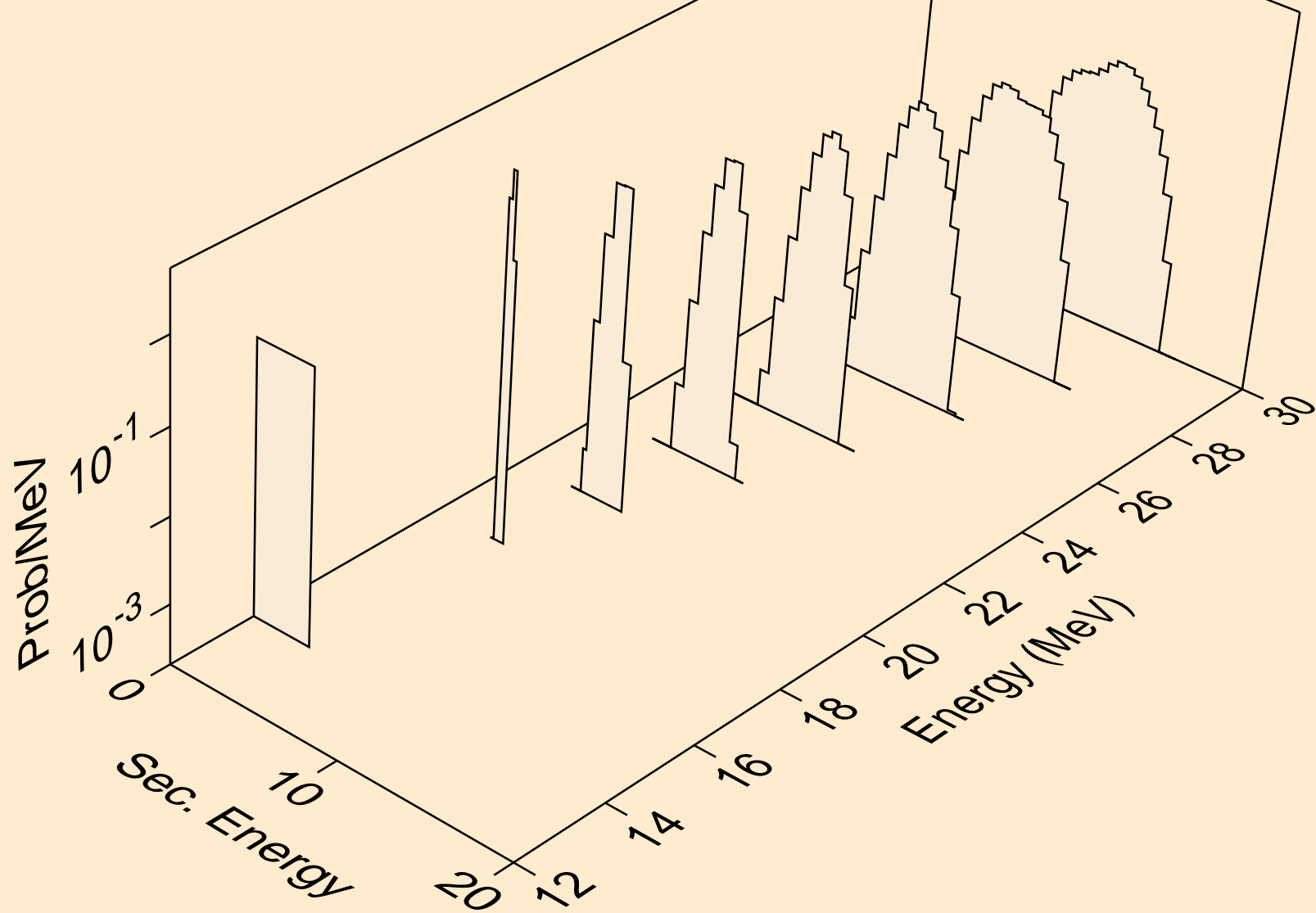
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alphas from (s,n\*)a



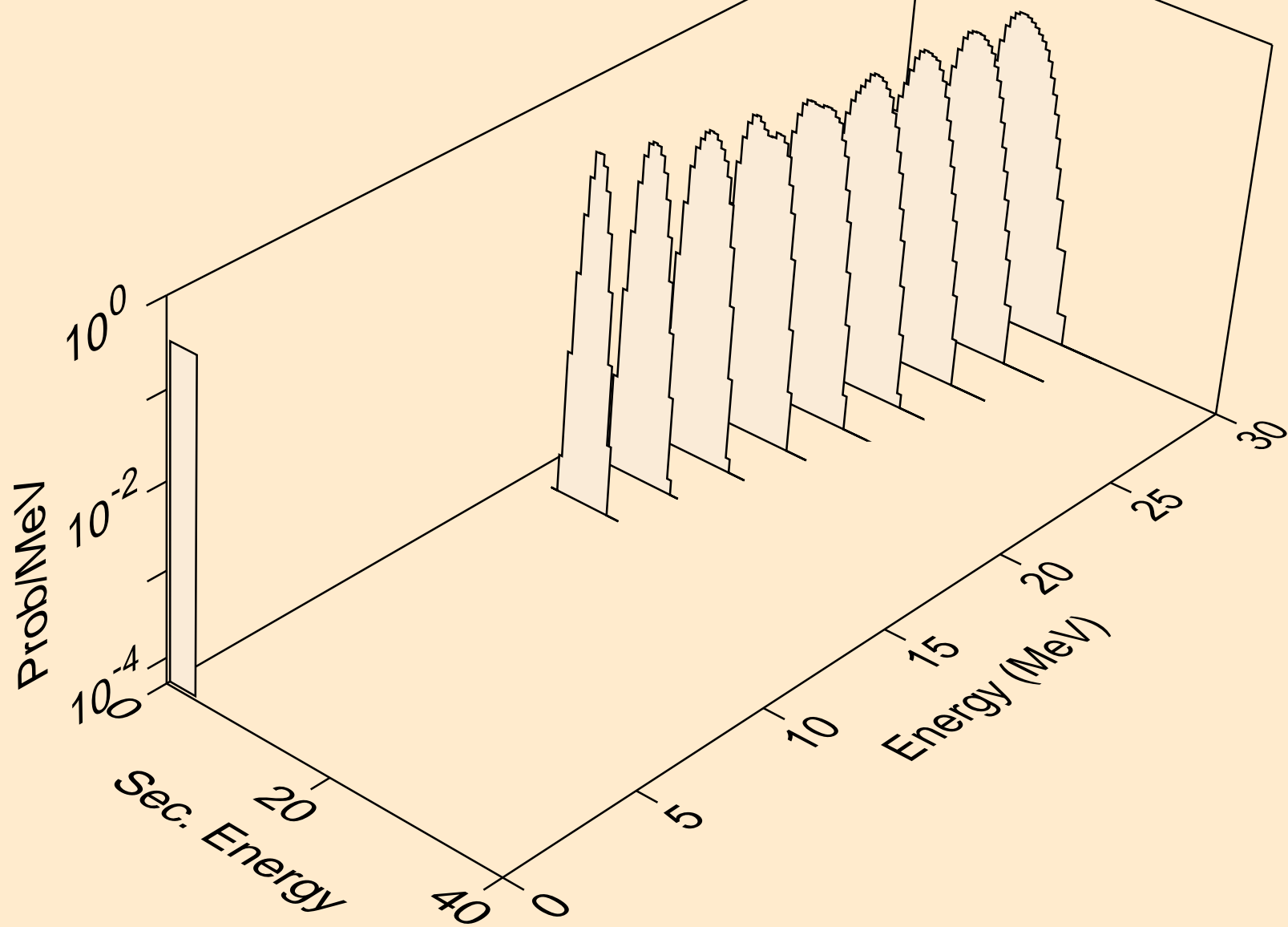
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alphas from (s,2n)a



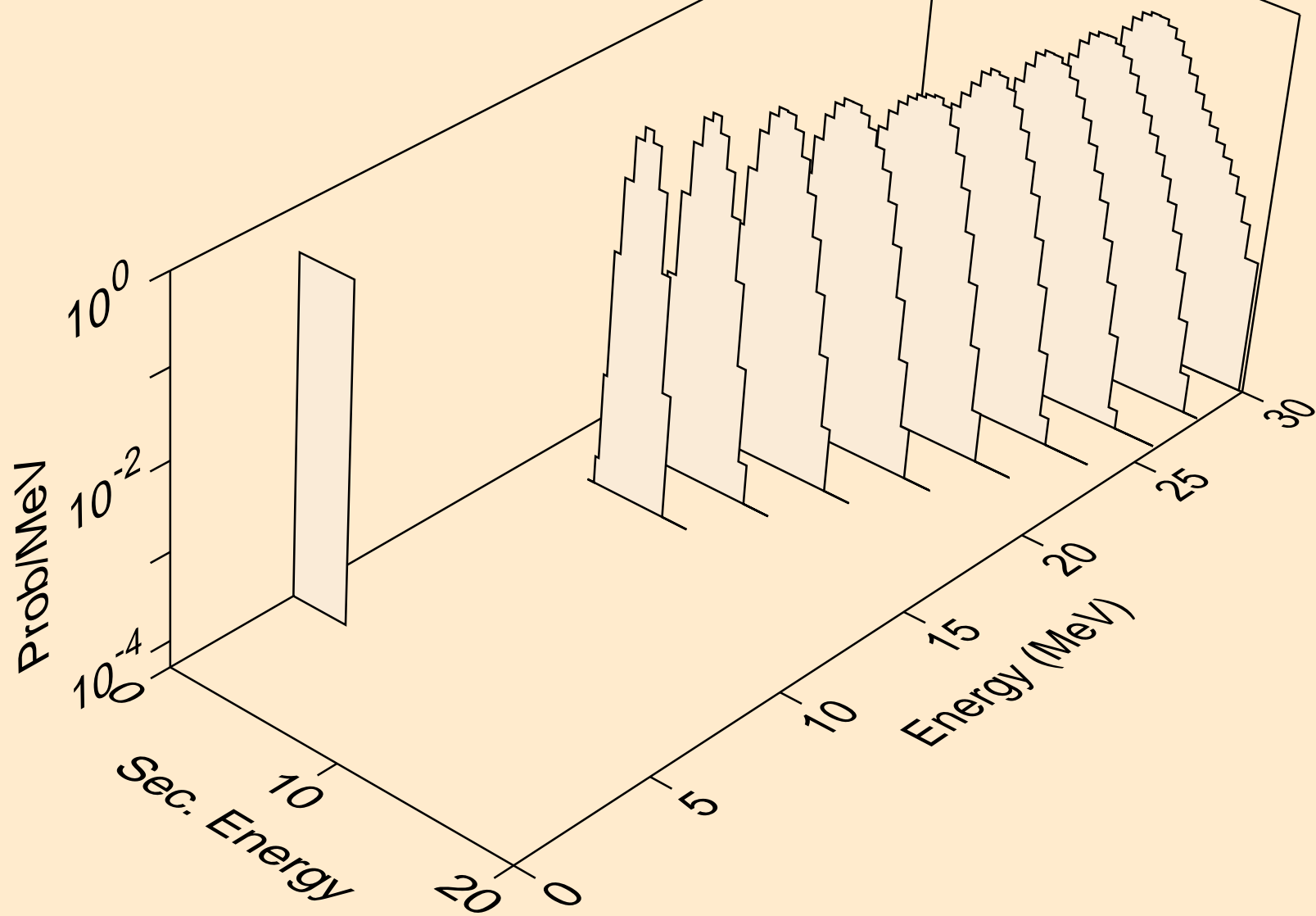
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alphas from (s,3n)a



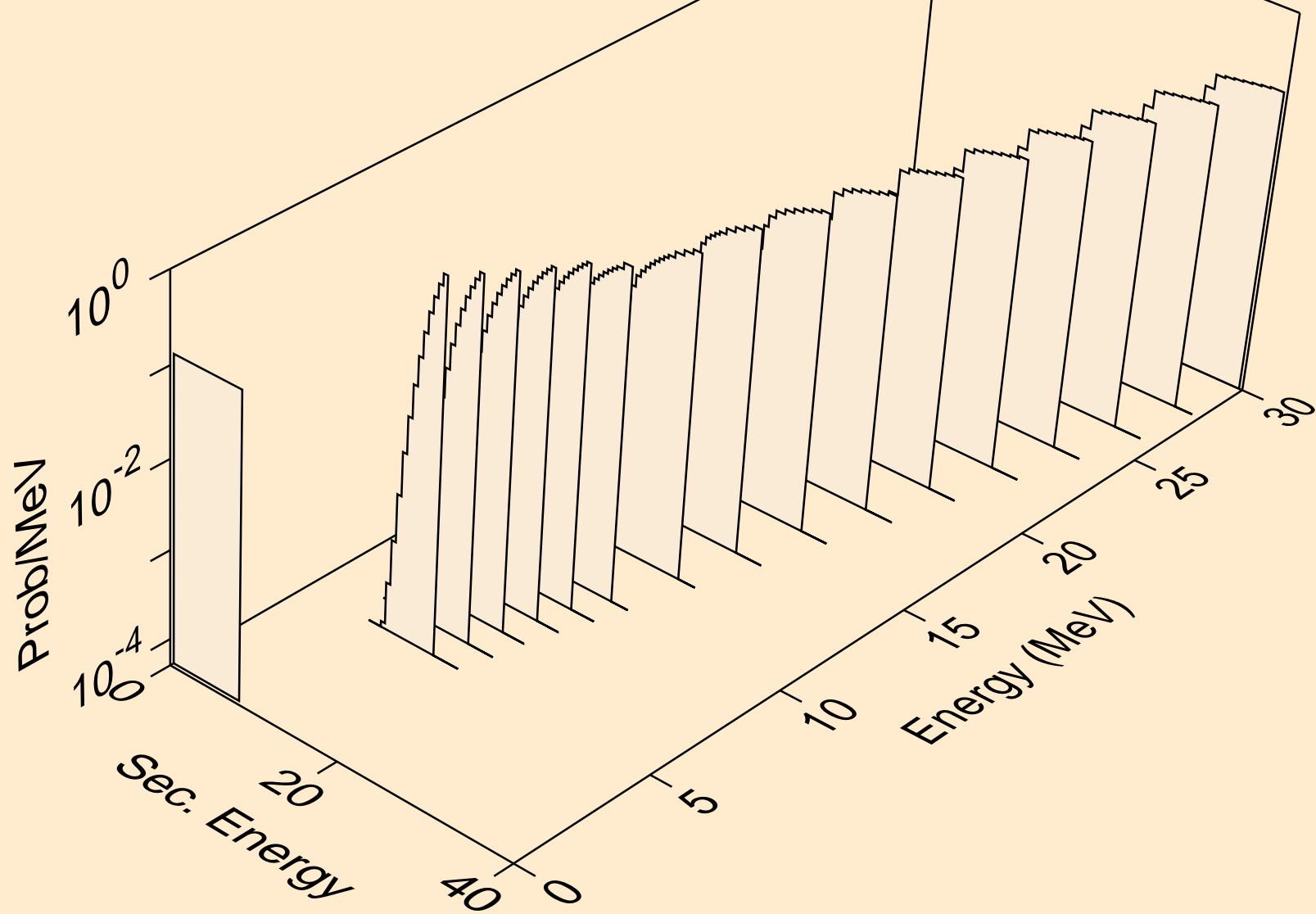
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alphas from (s,n\*)2a



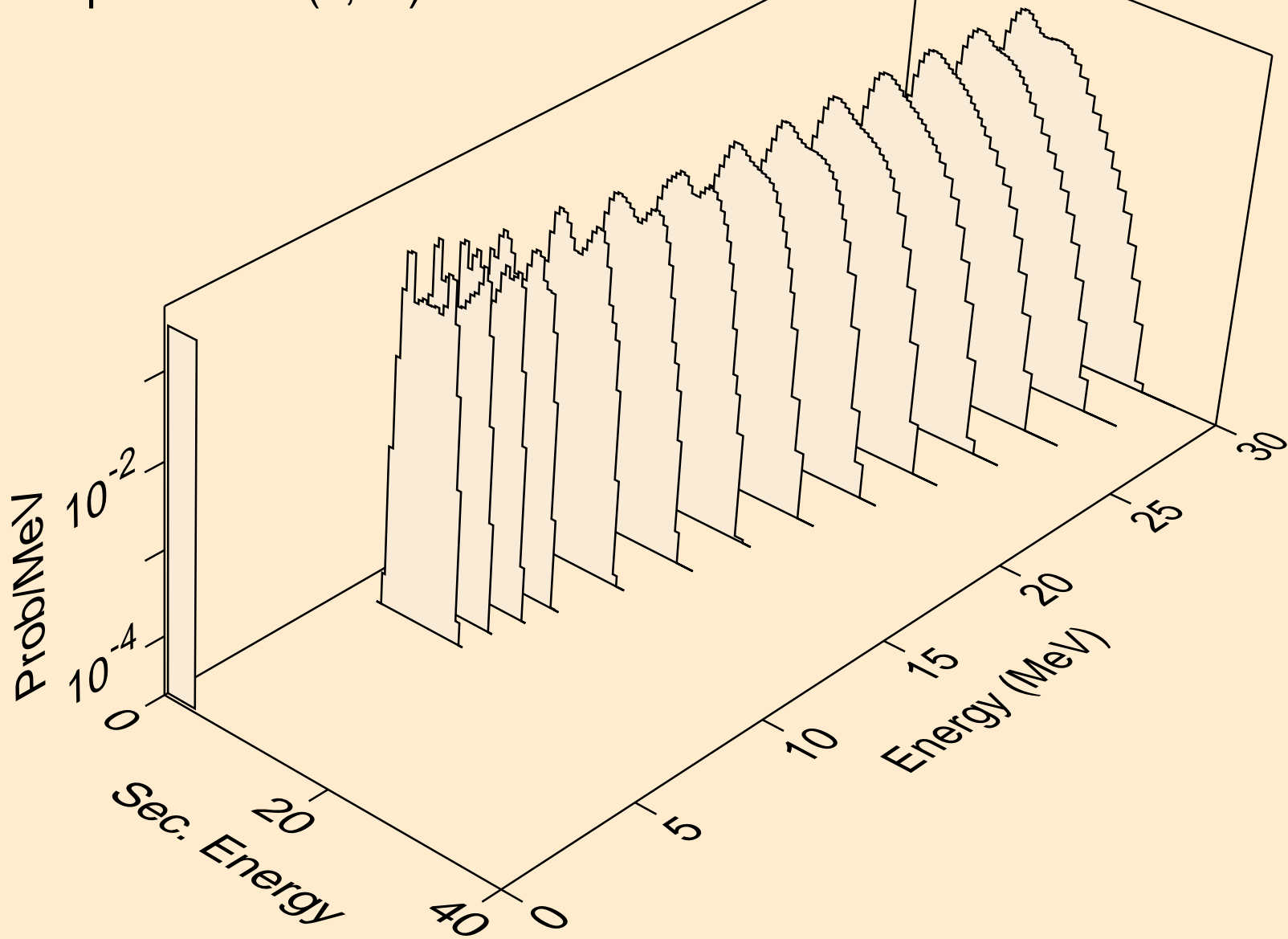
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alphas from (s,npa)



SN117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,a)

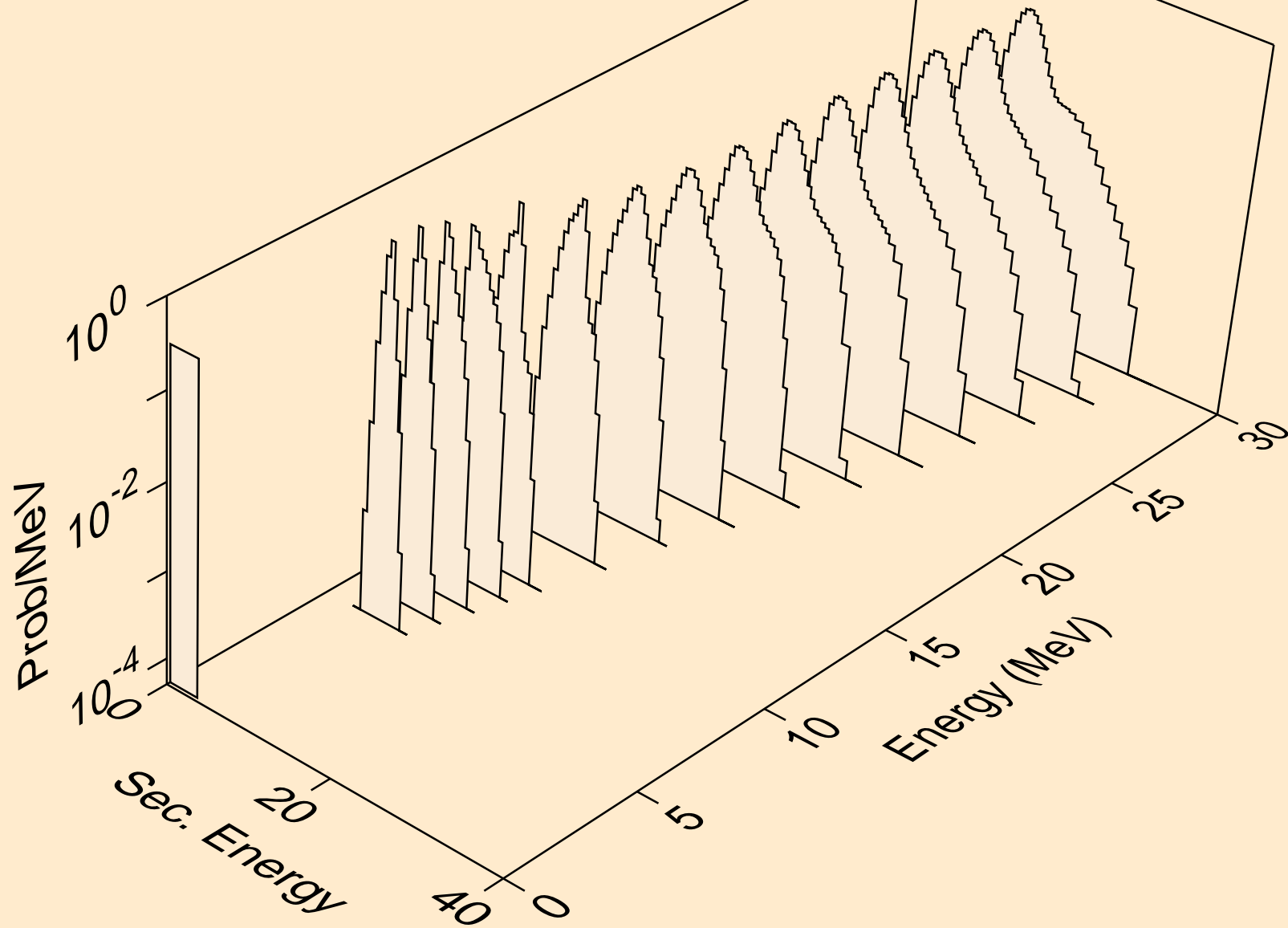


SN117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2a)





SN117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



SN117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

