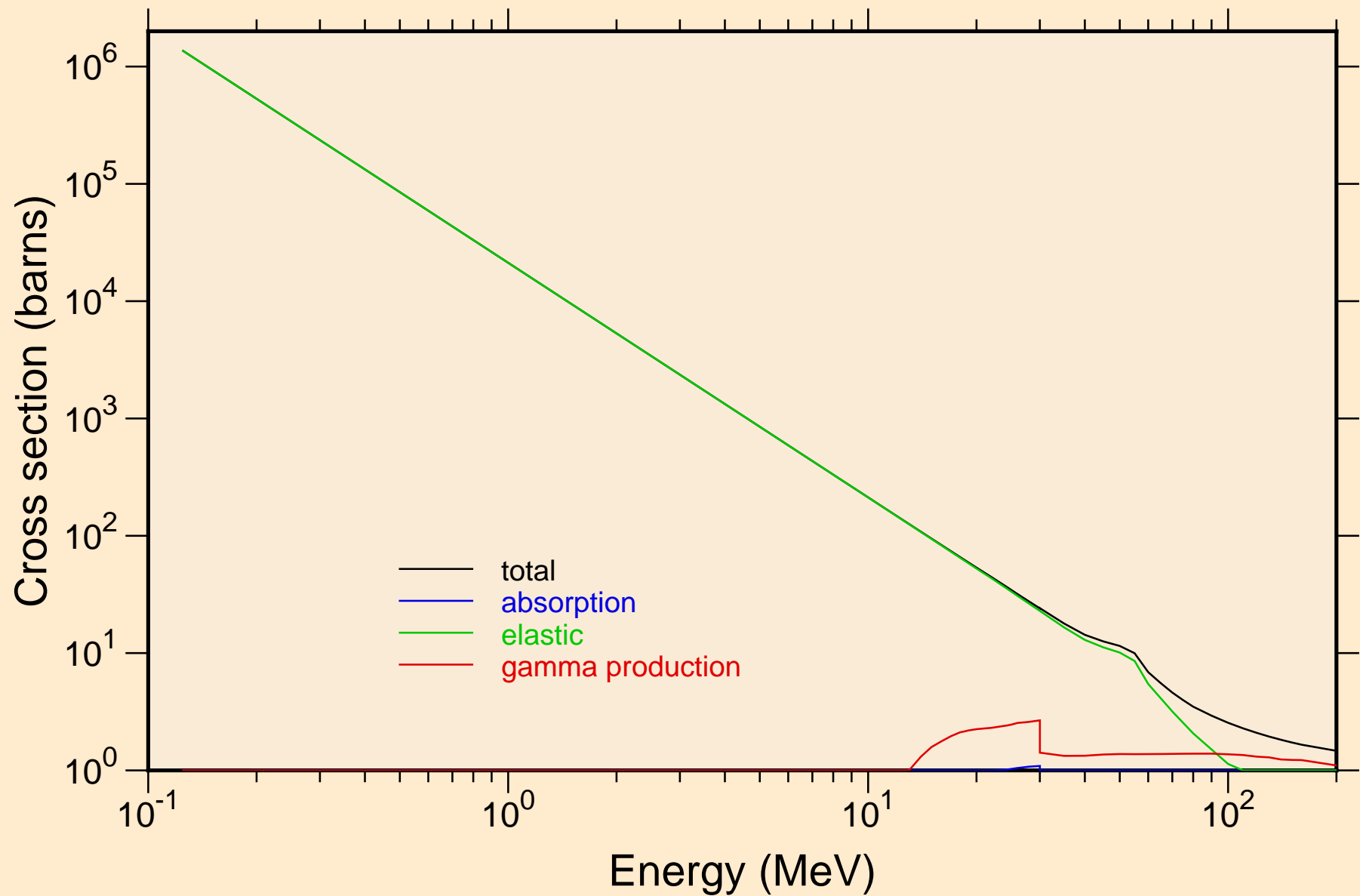


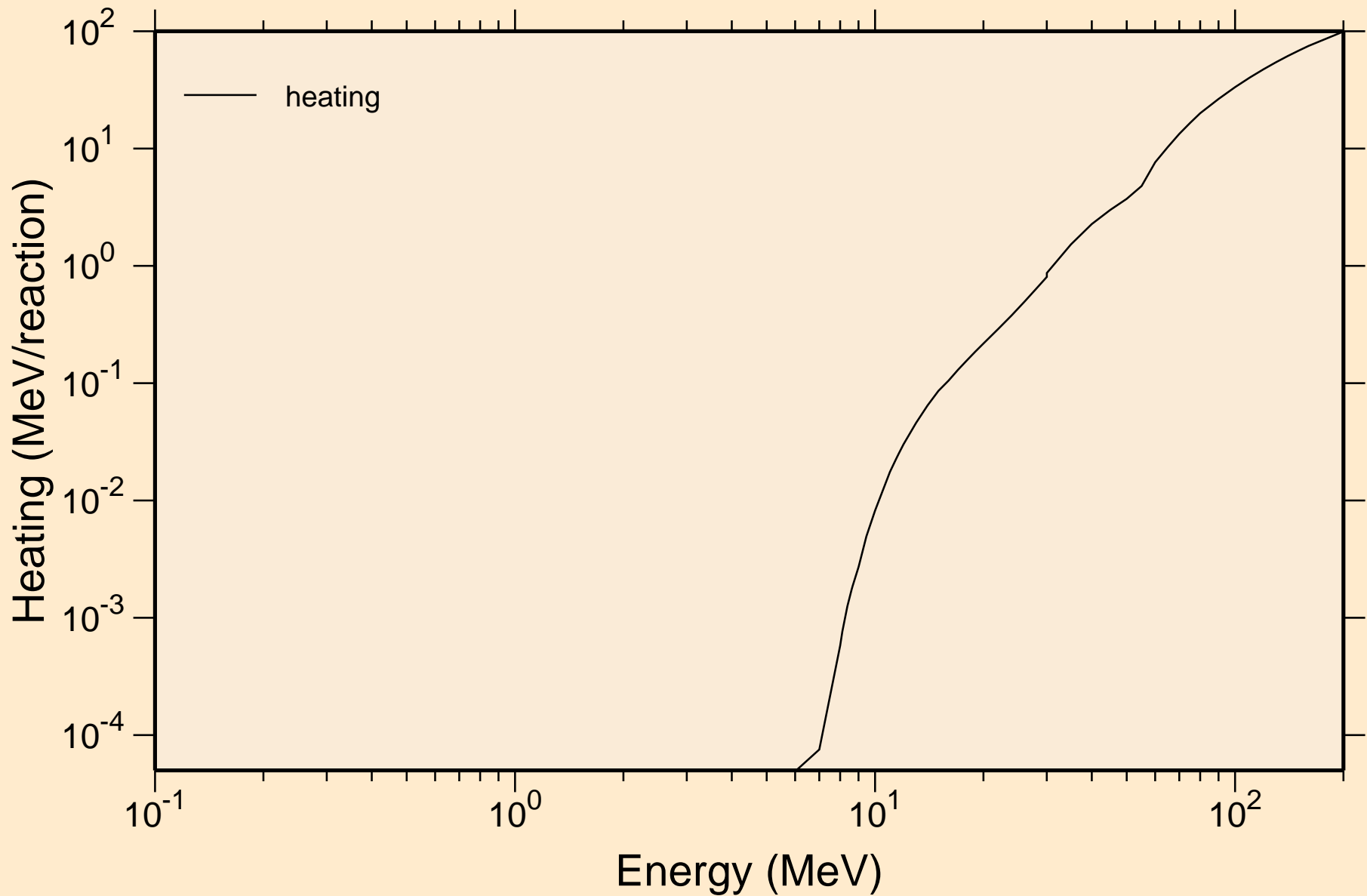
# NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



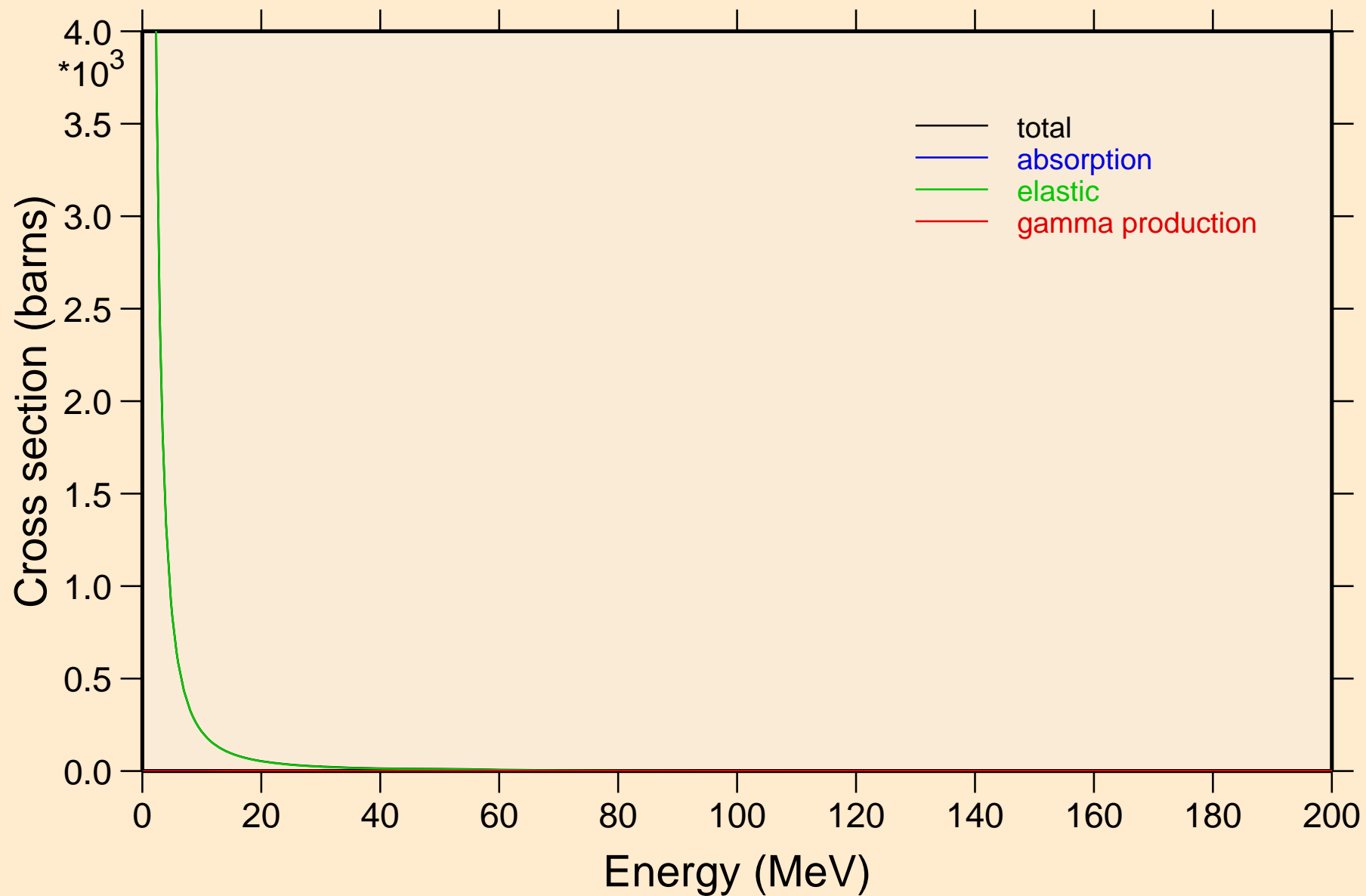
NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K

Heating

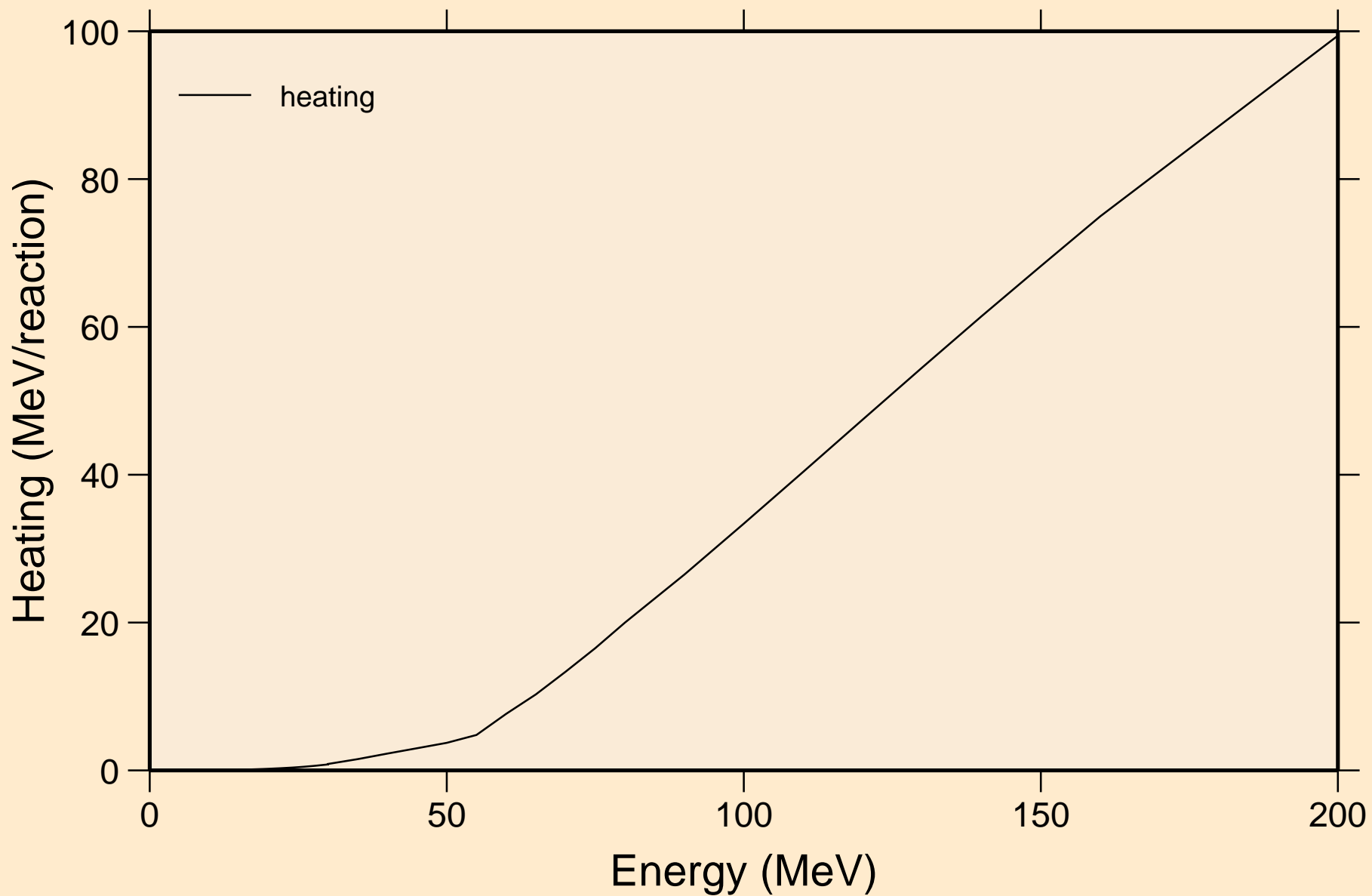


# NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

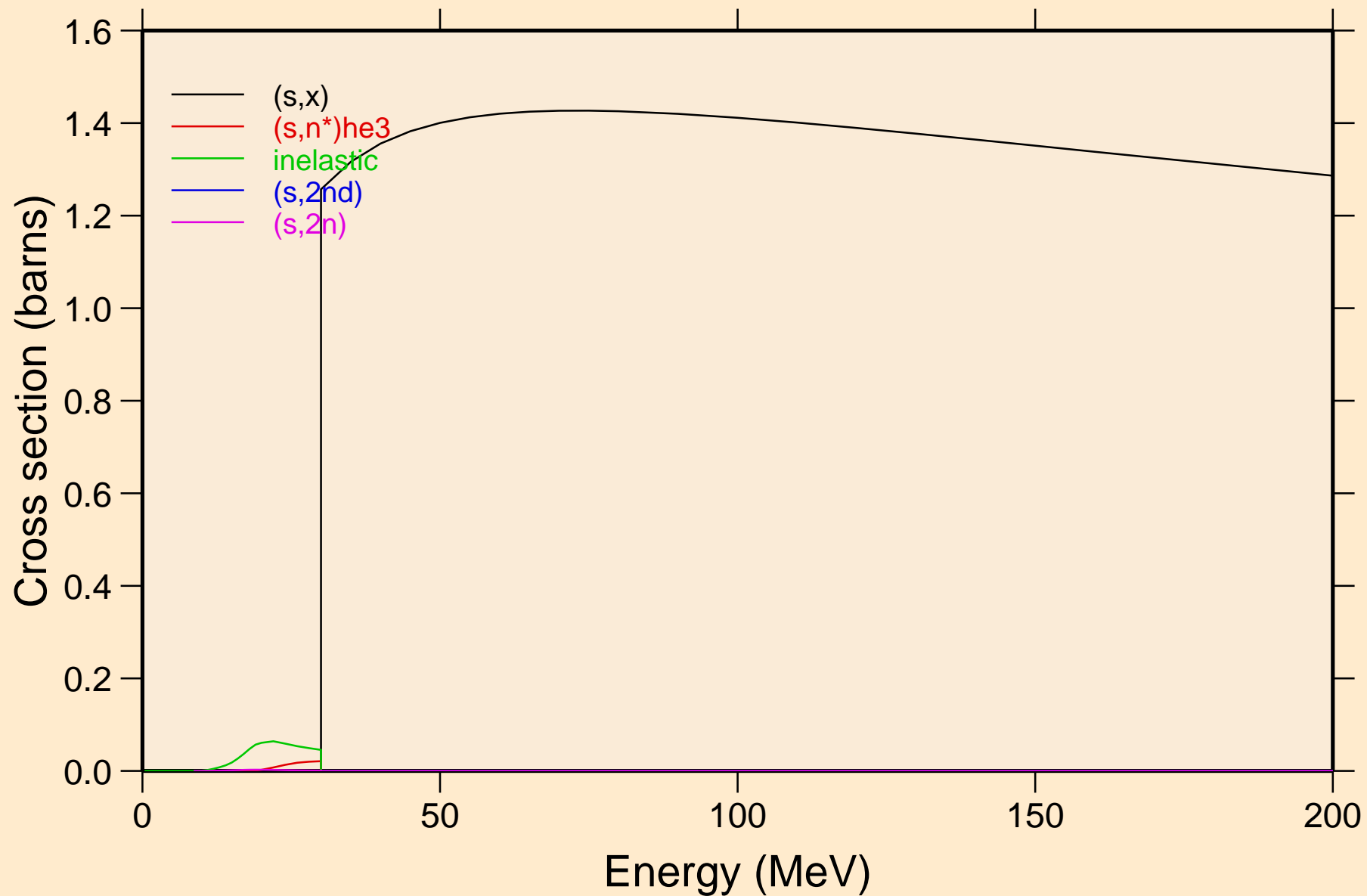


NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Heating

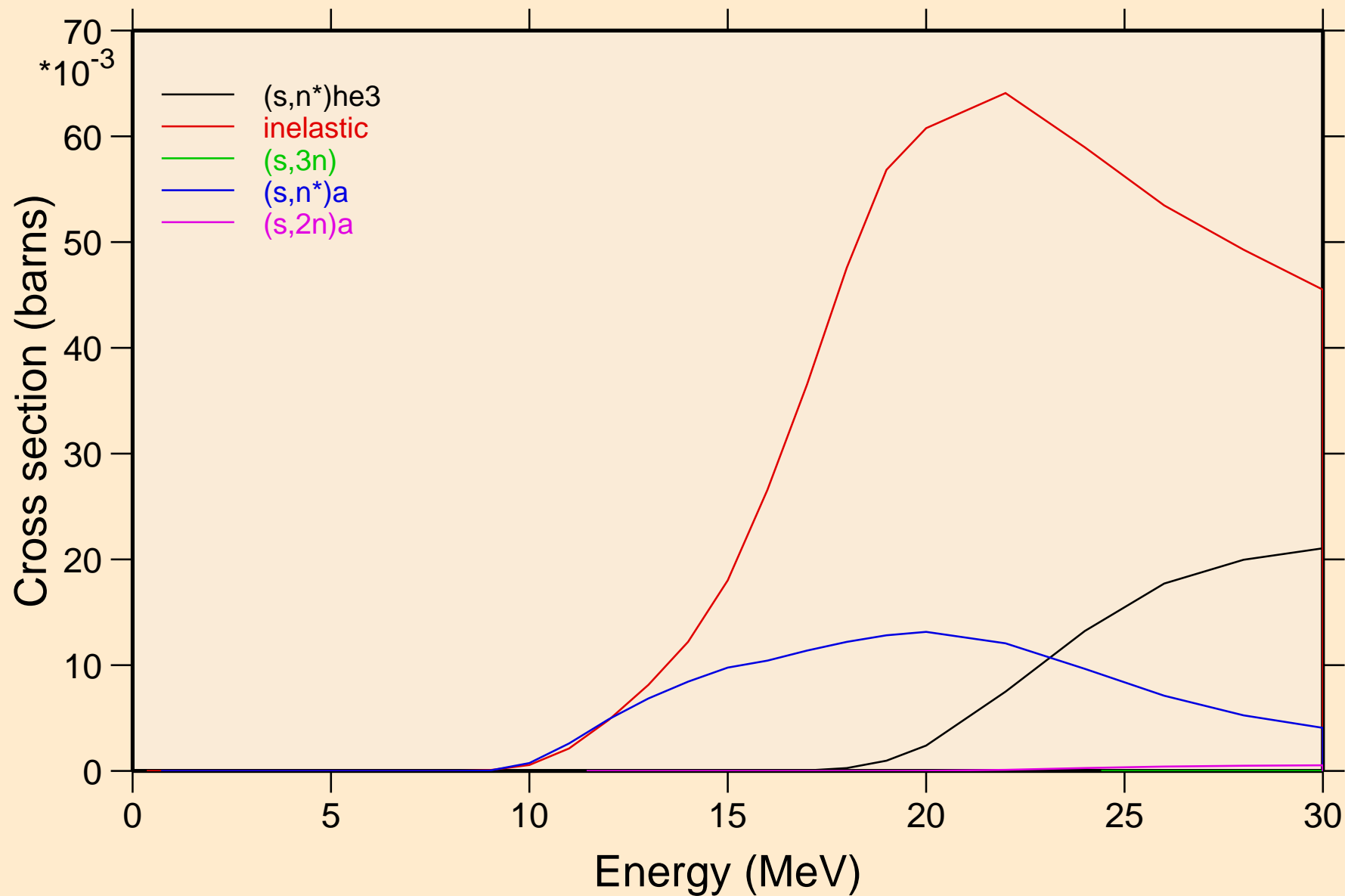


# NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K

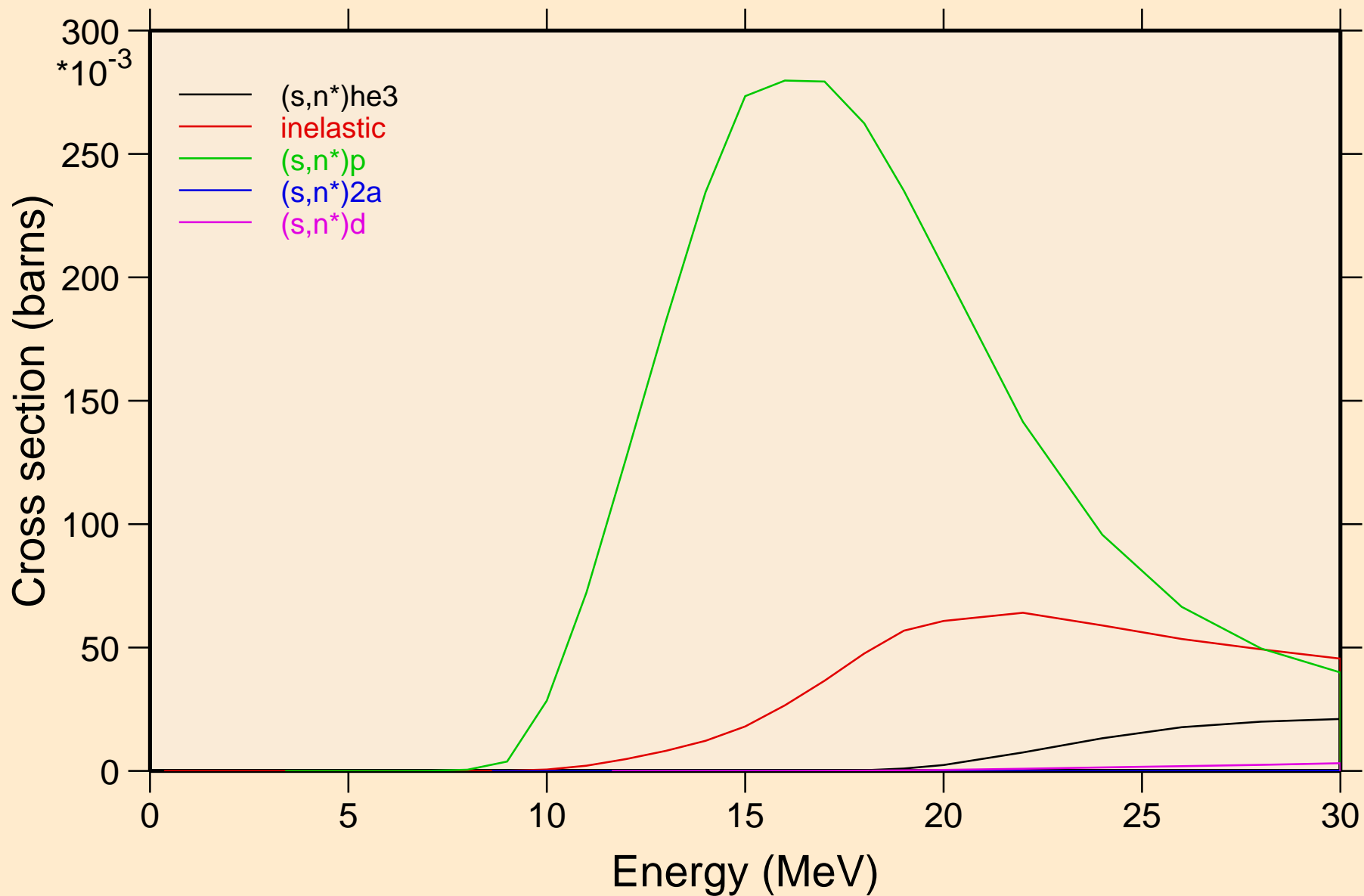
## Threshold reactions



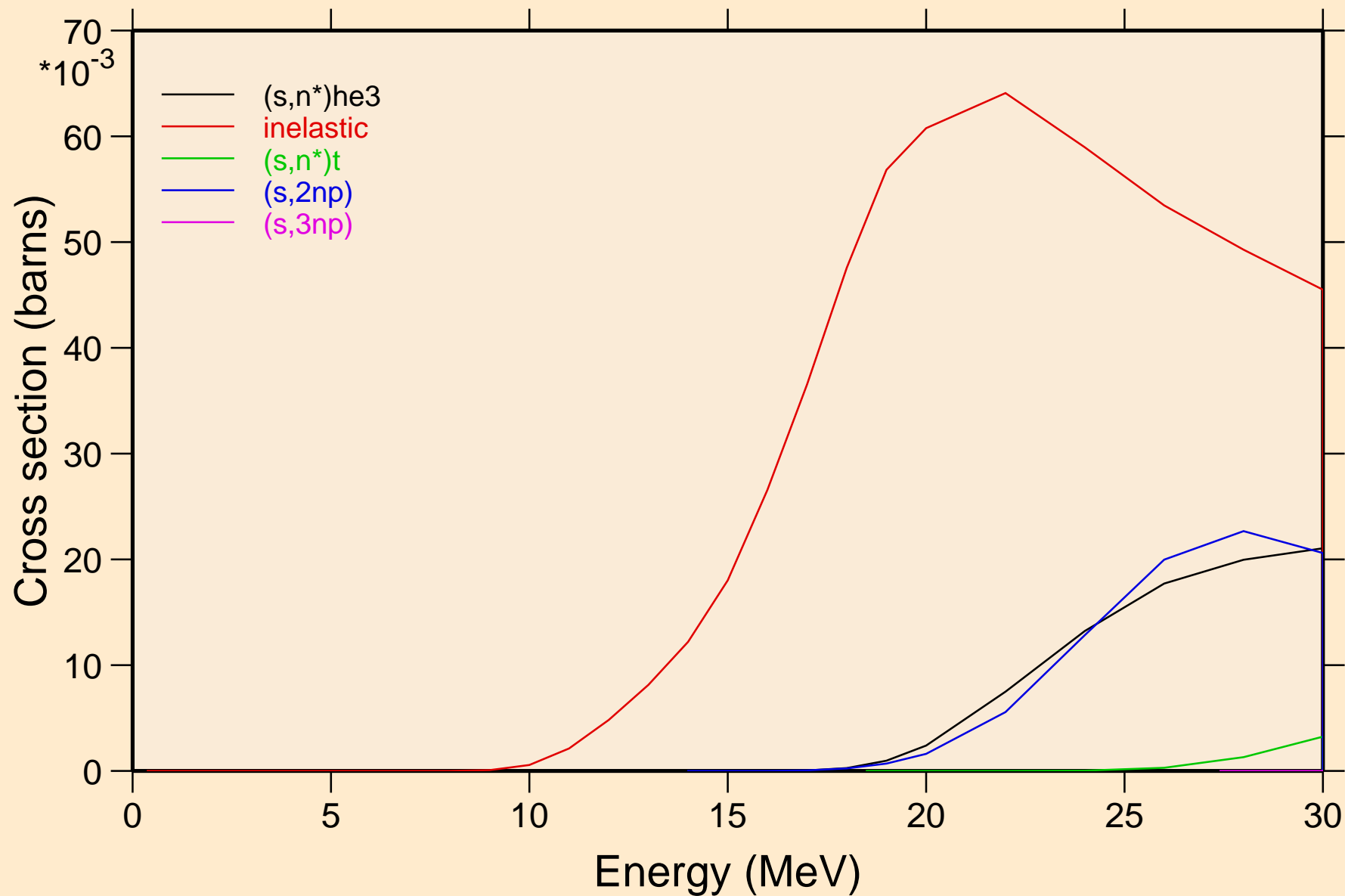
NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

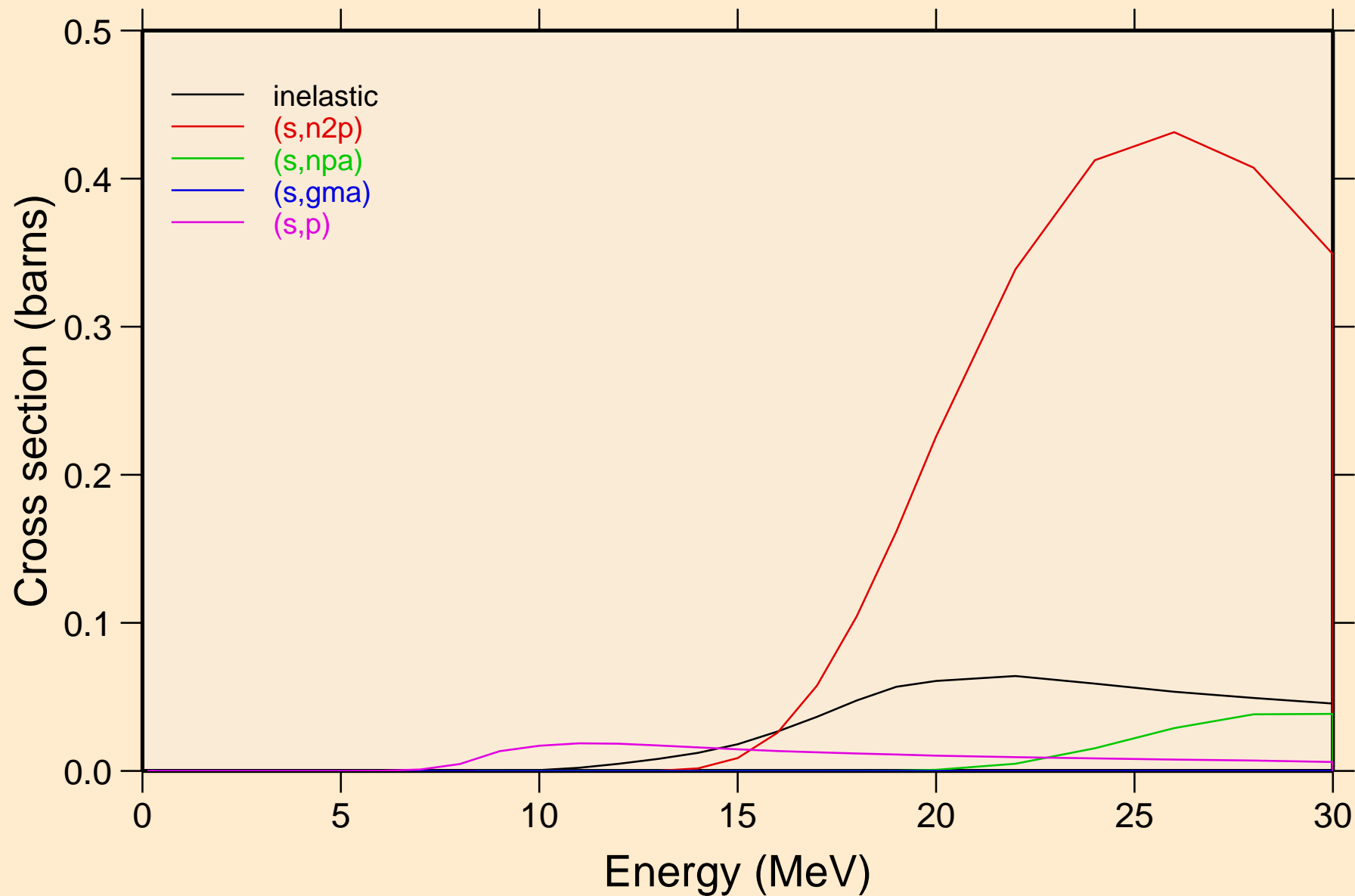


NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

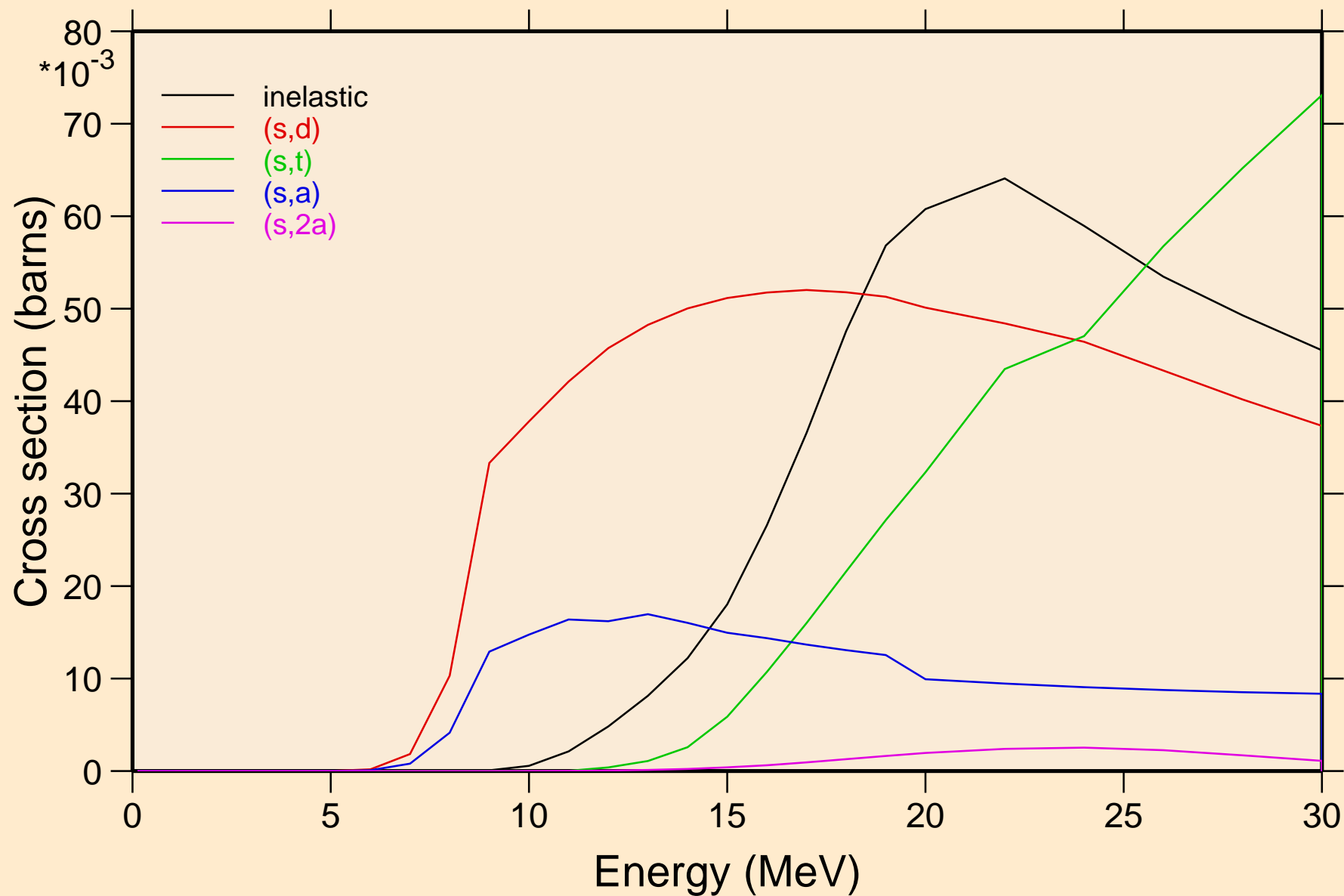




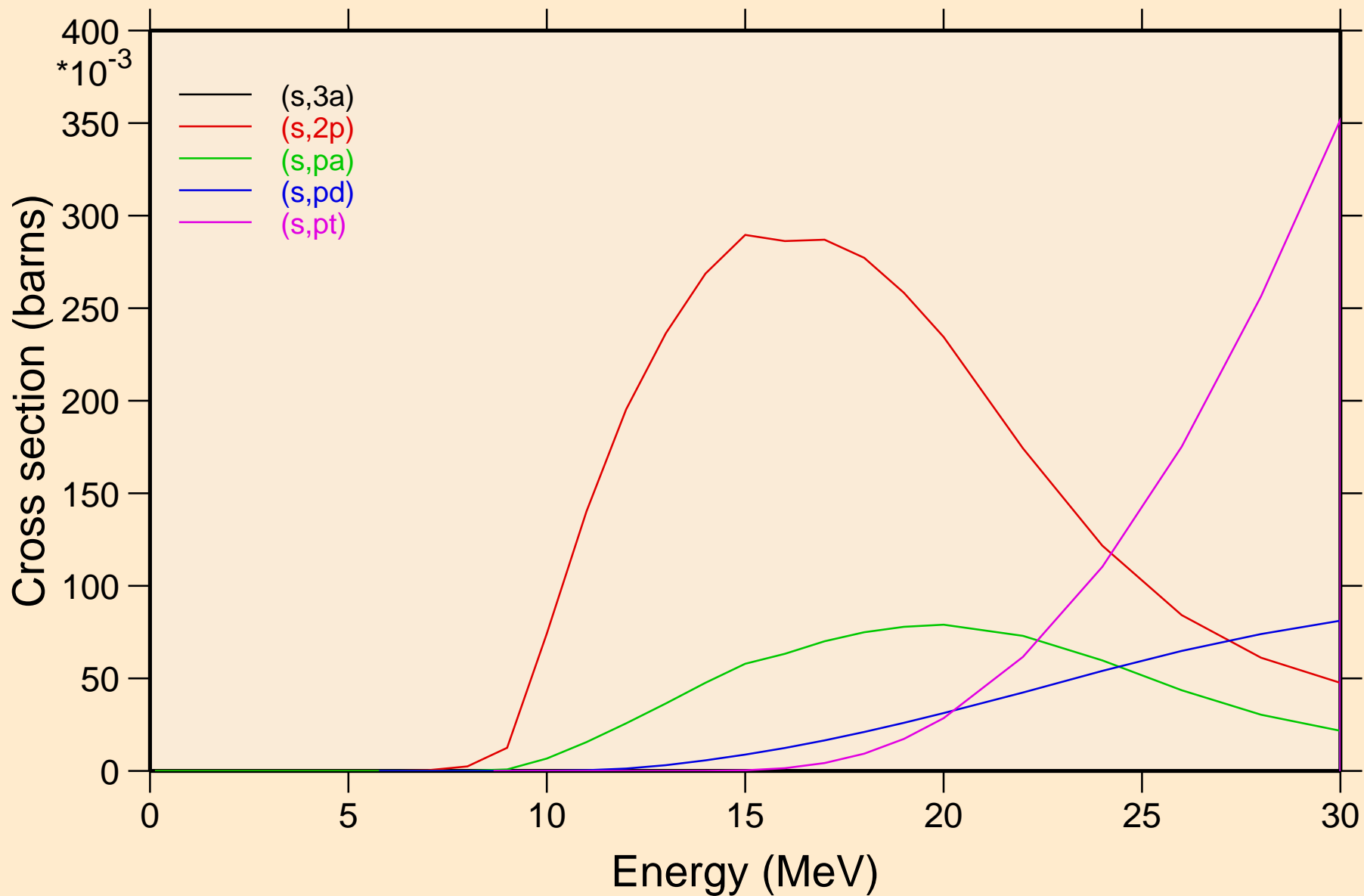
NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



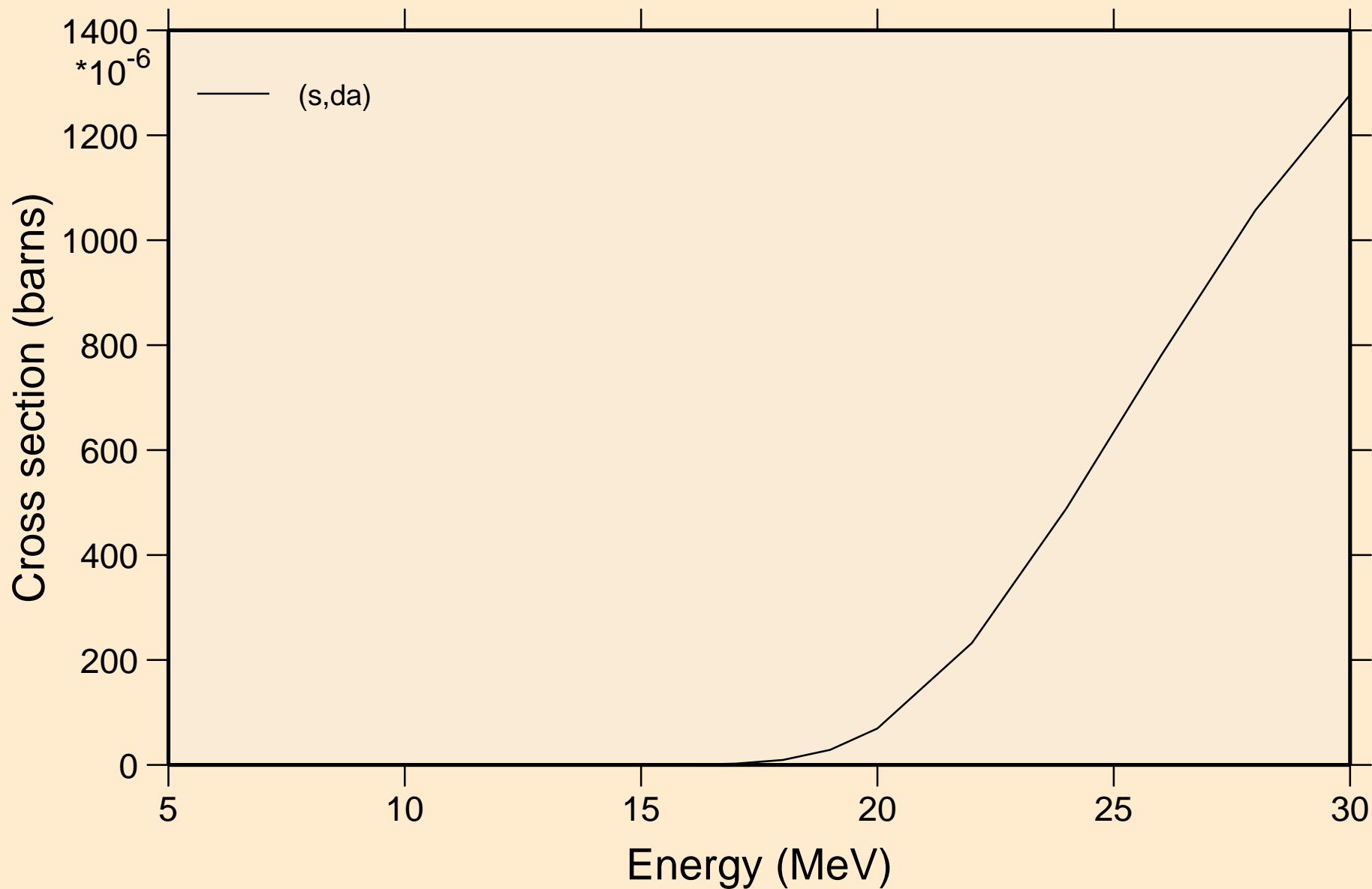
NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



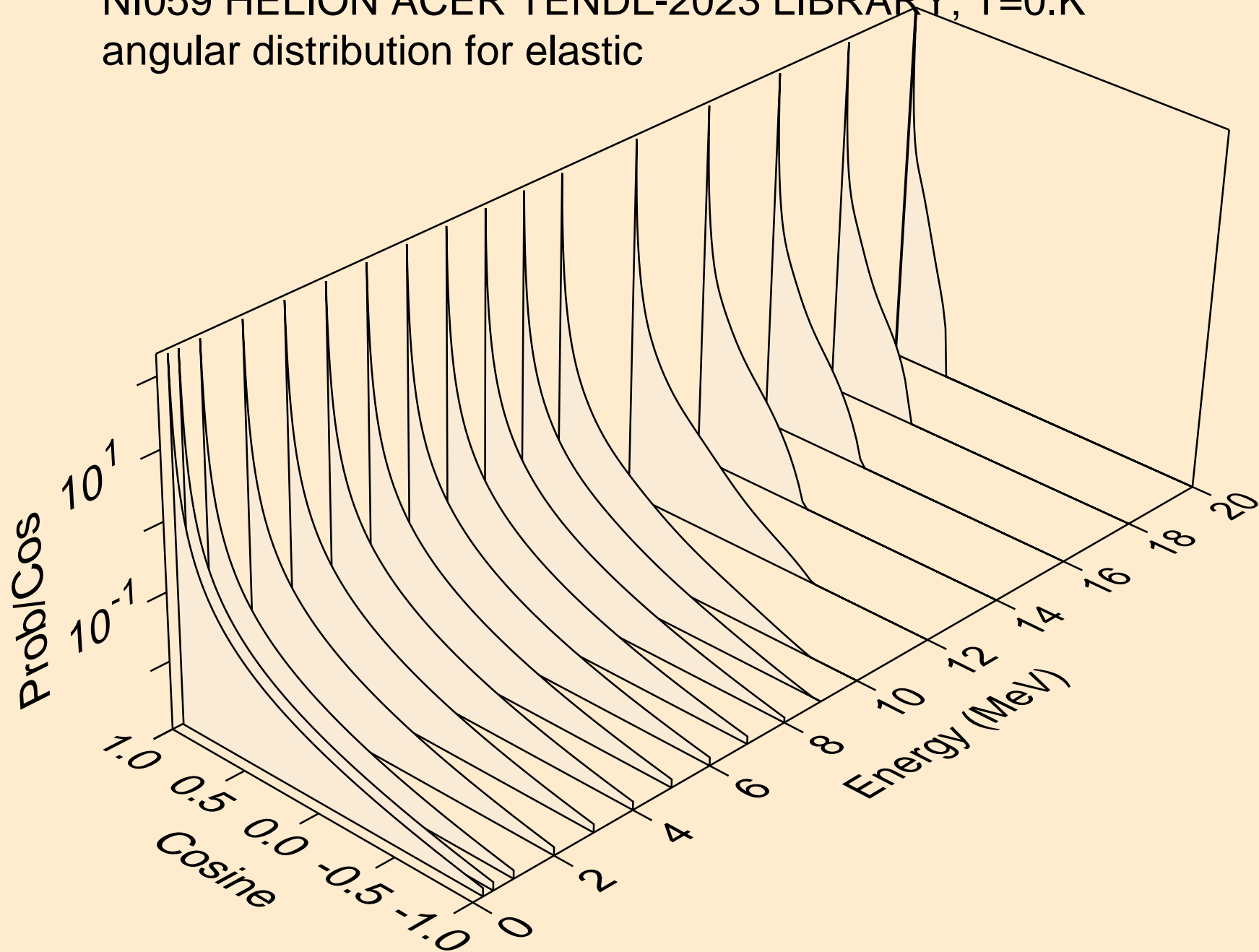
NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



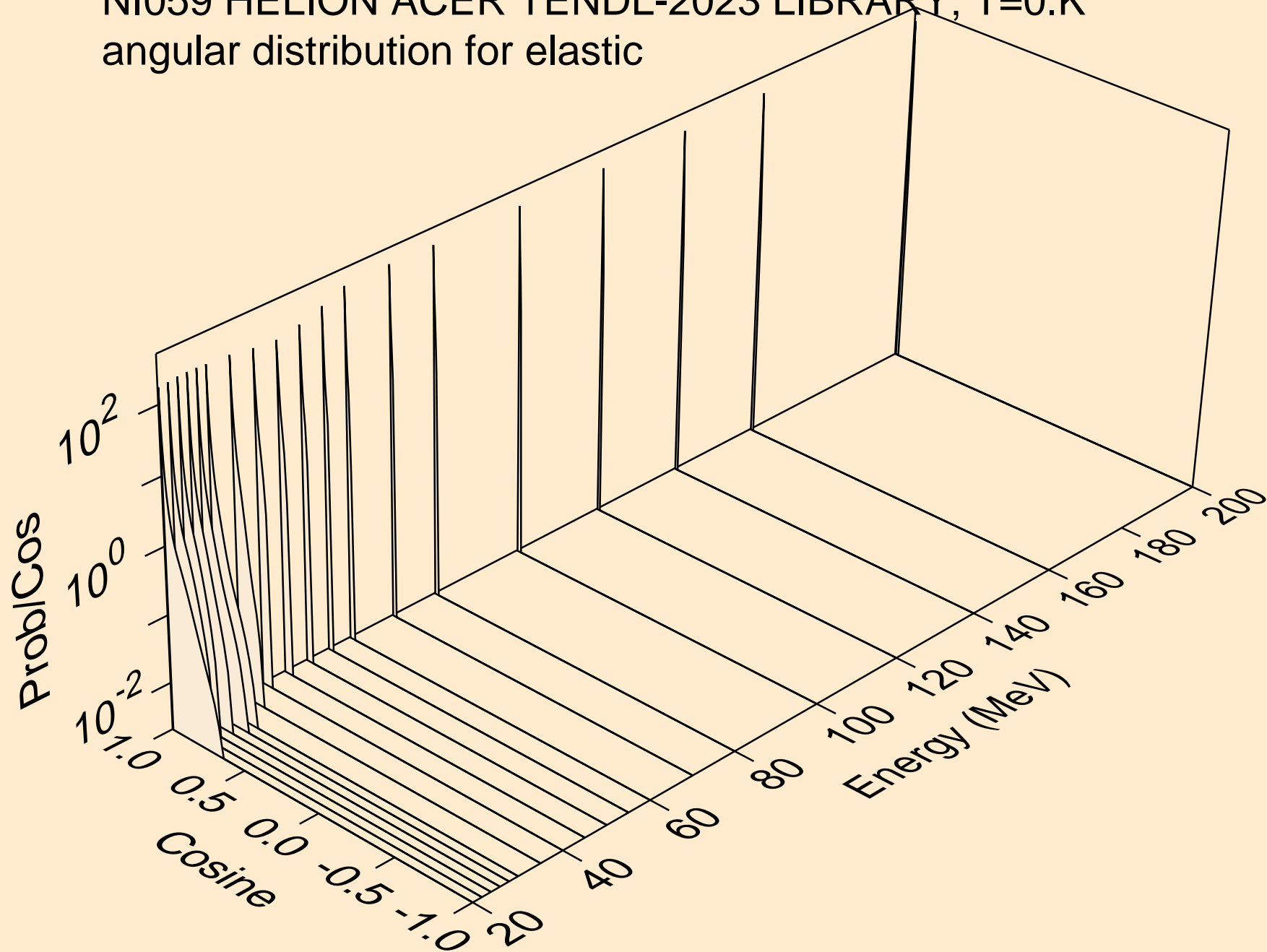
NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



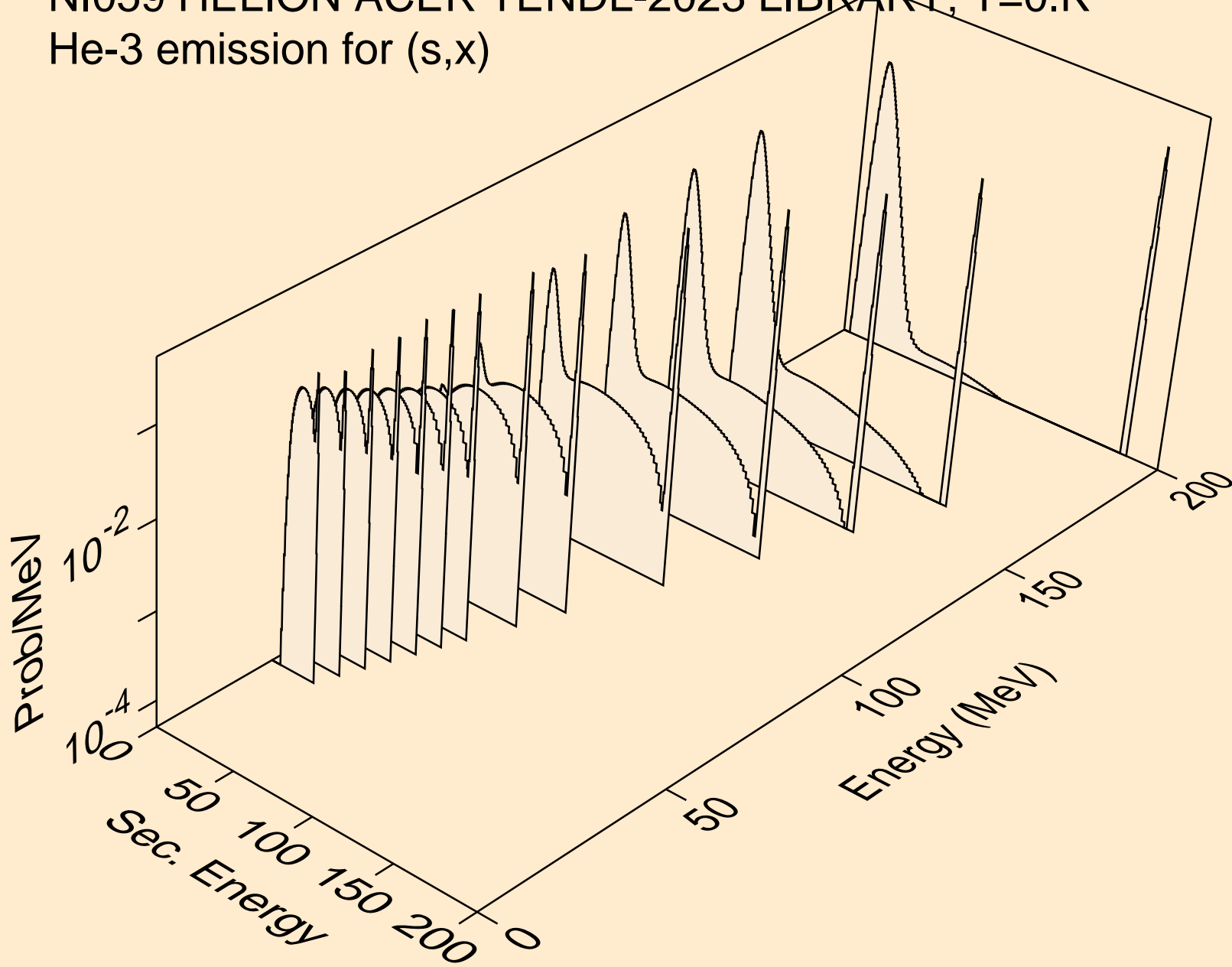
NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



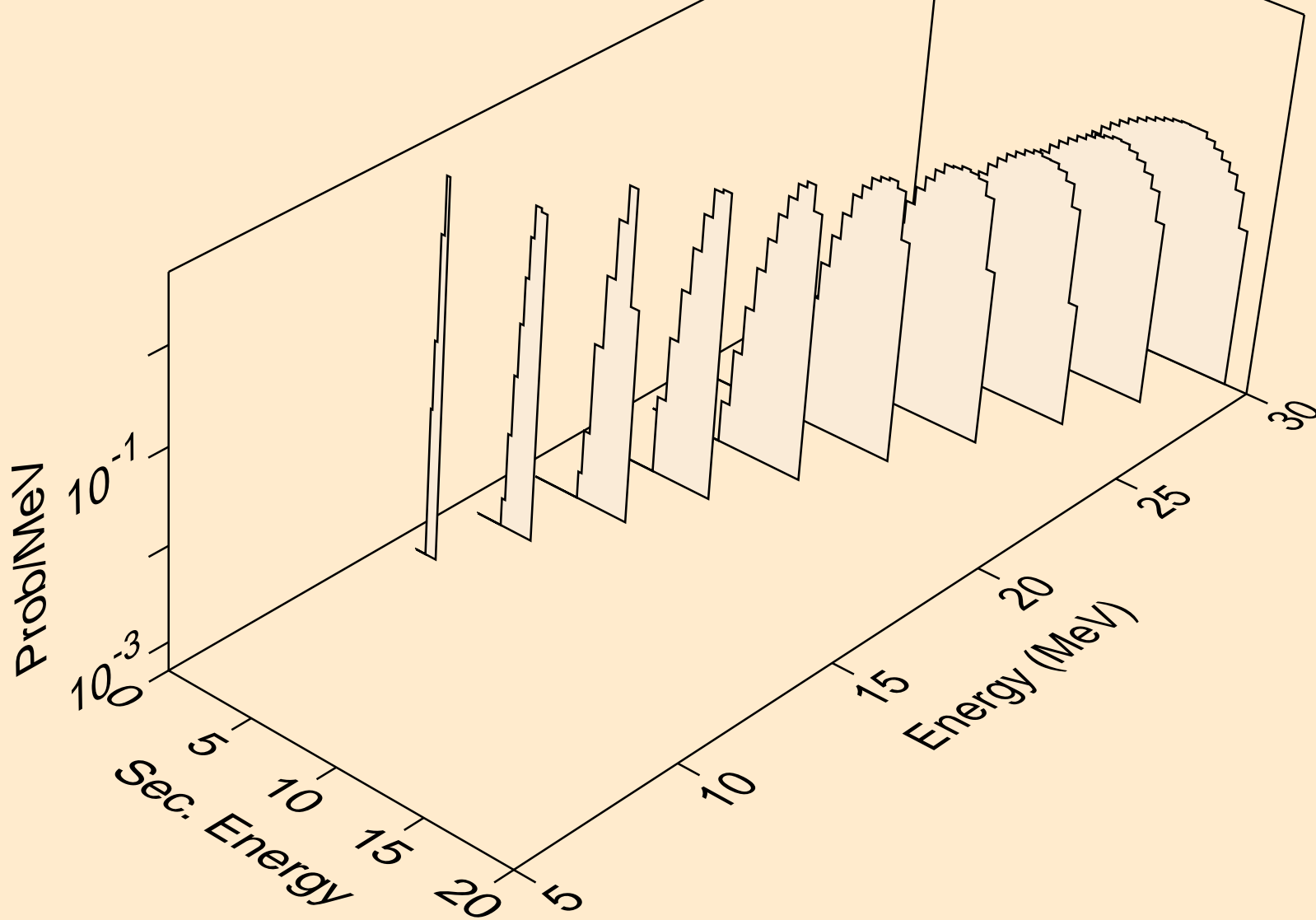
NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)

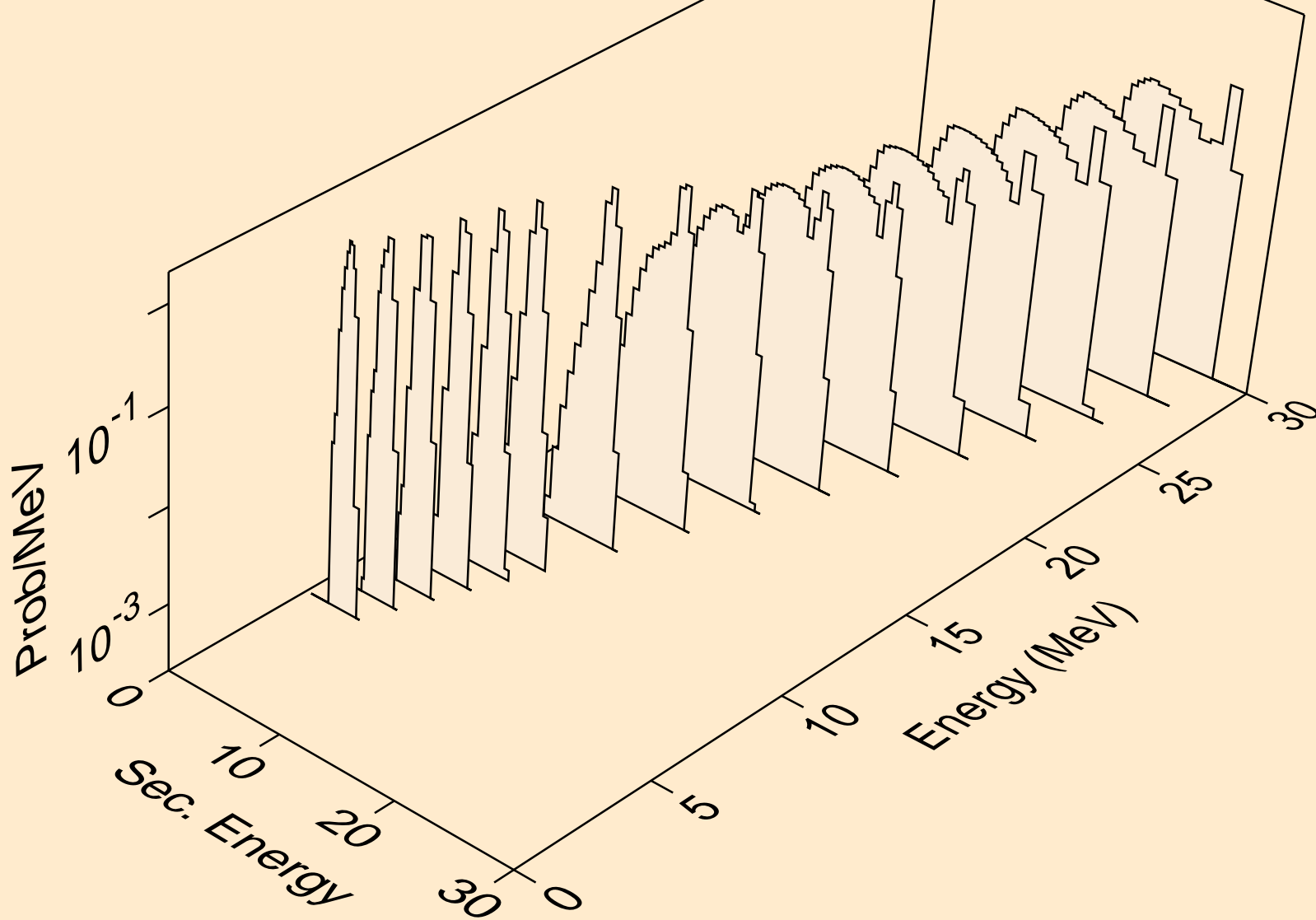


NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

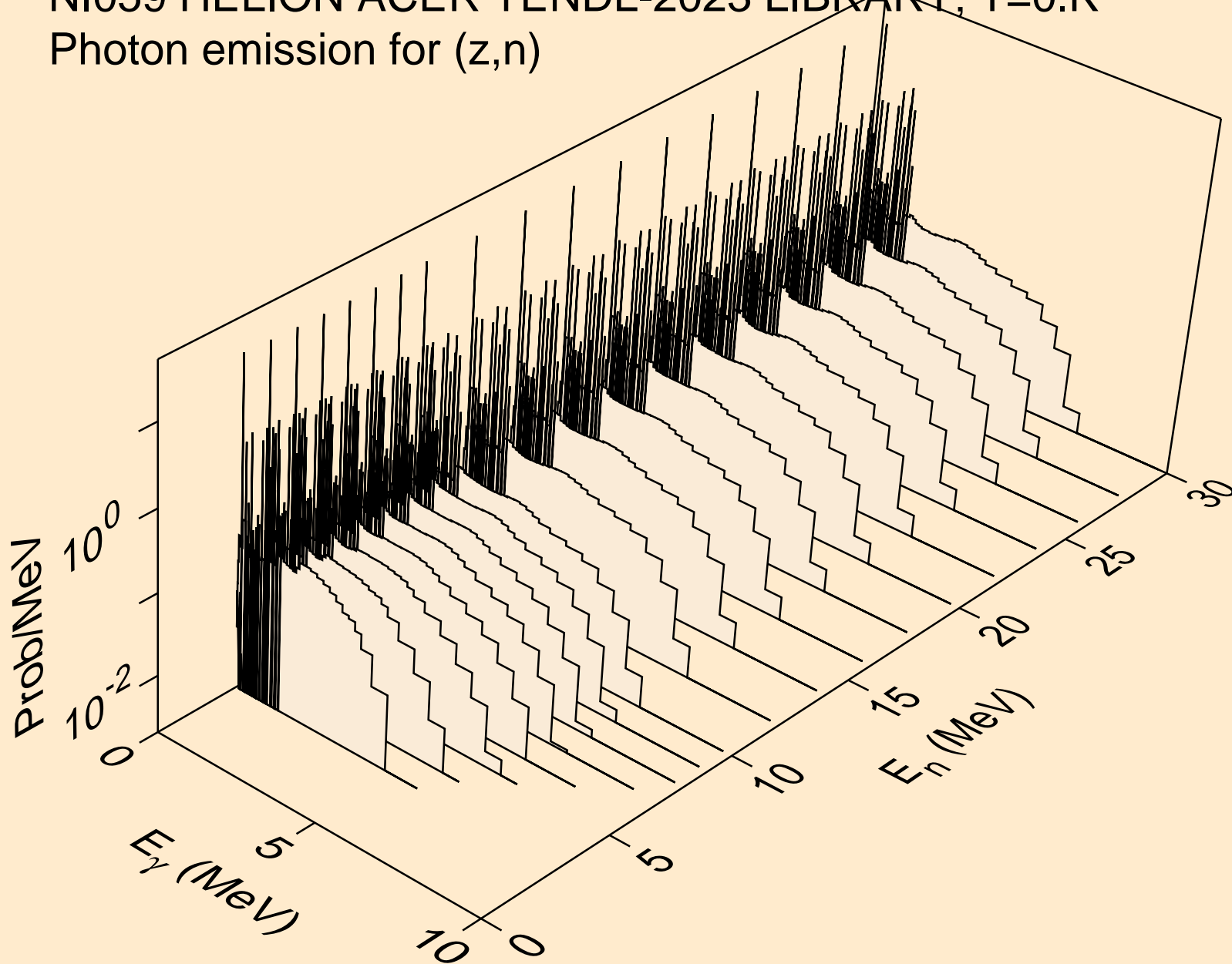




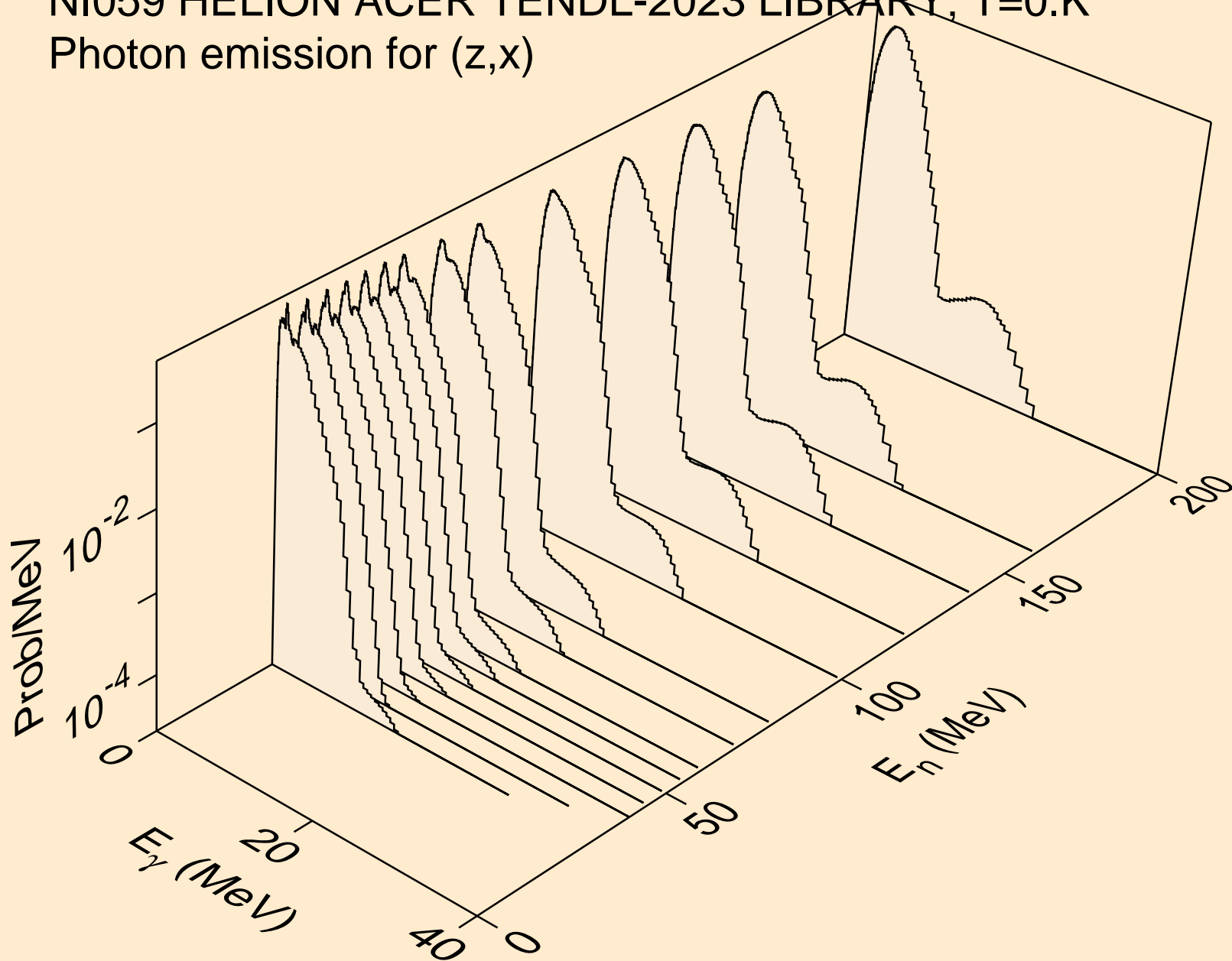
NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic



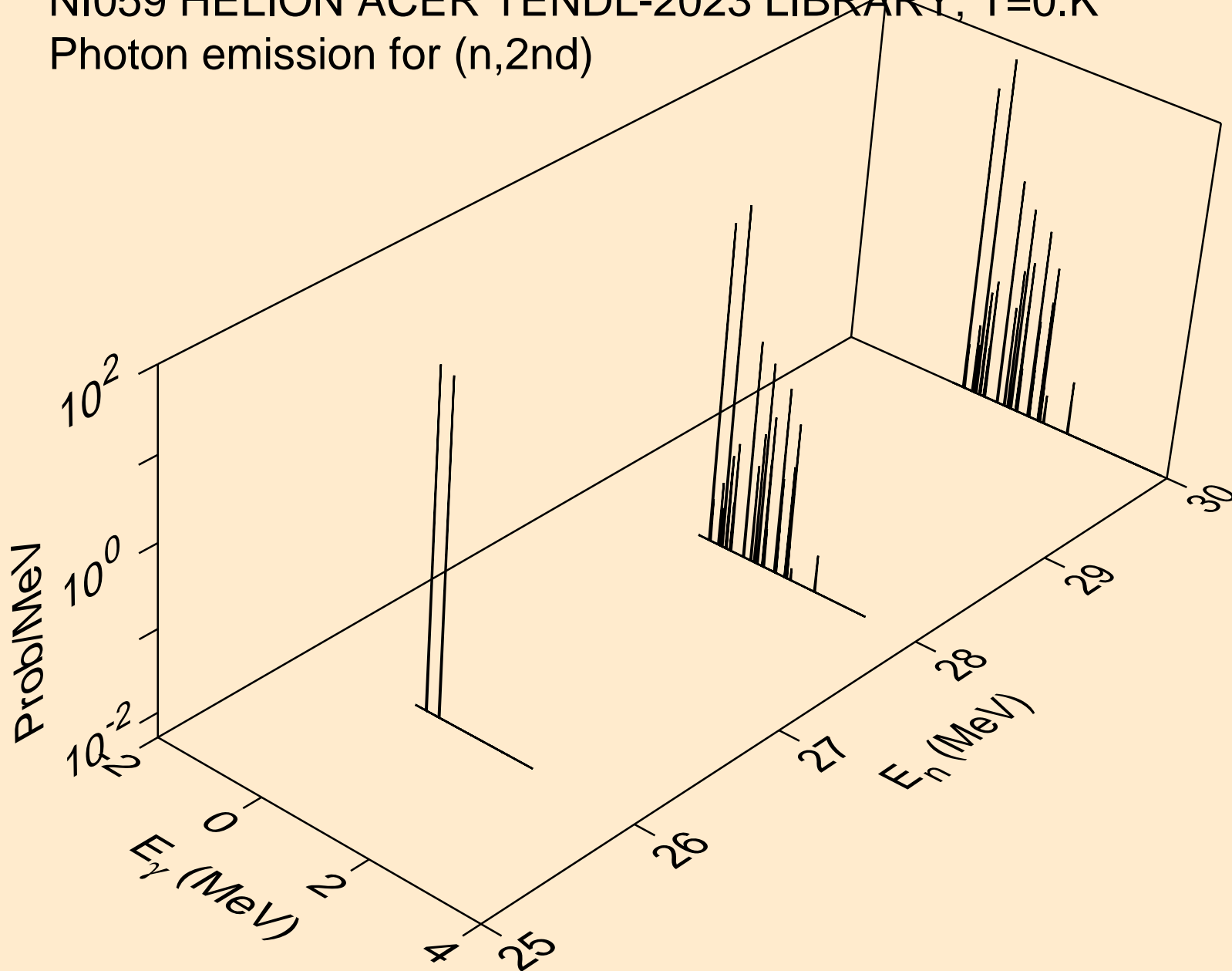
NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



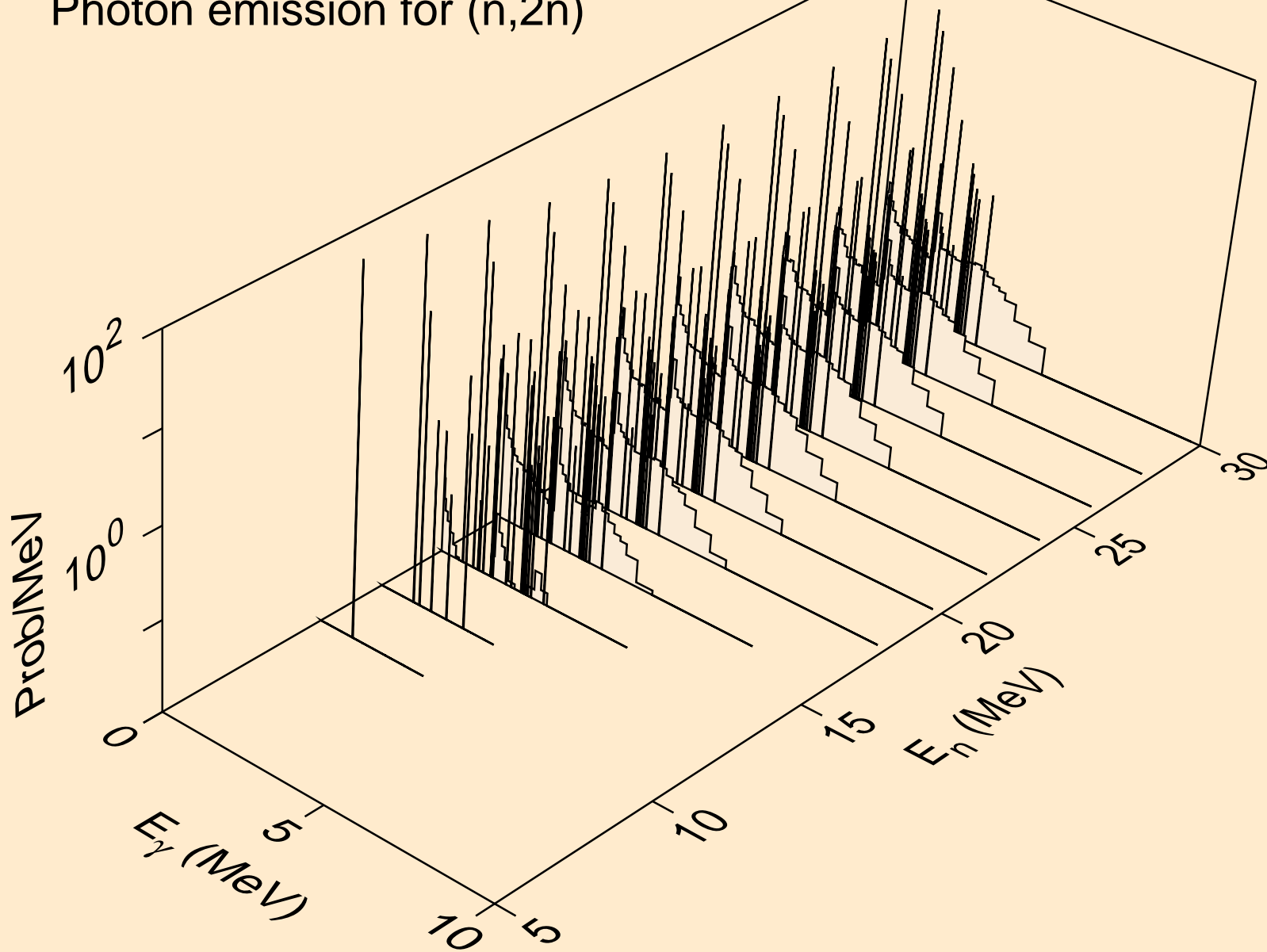
NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



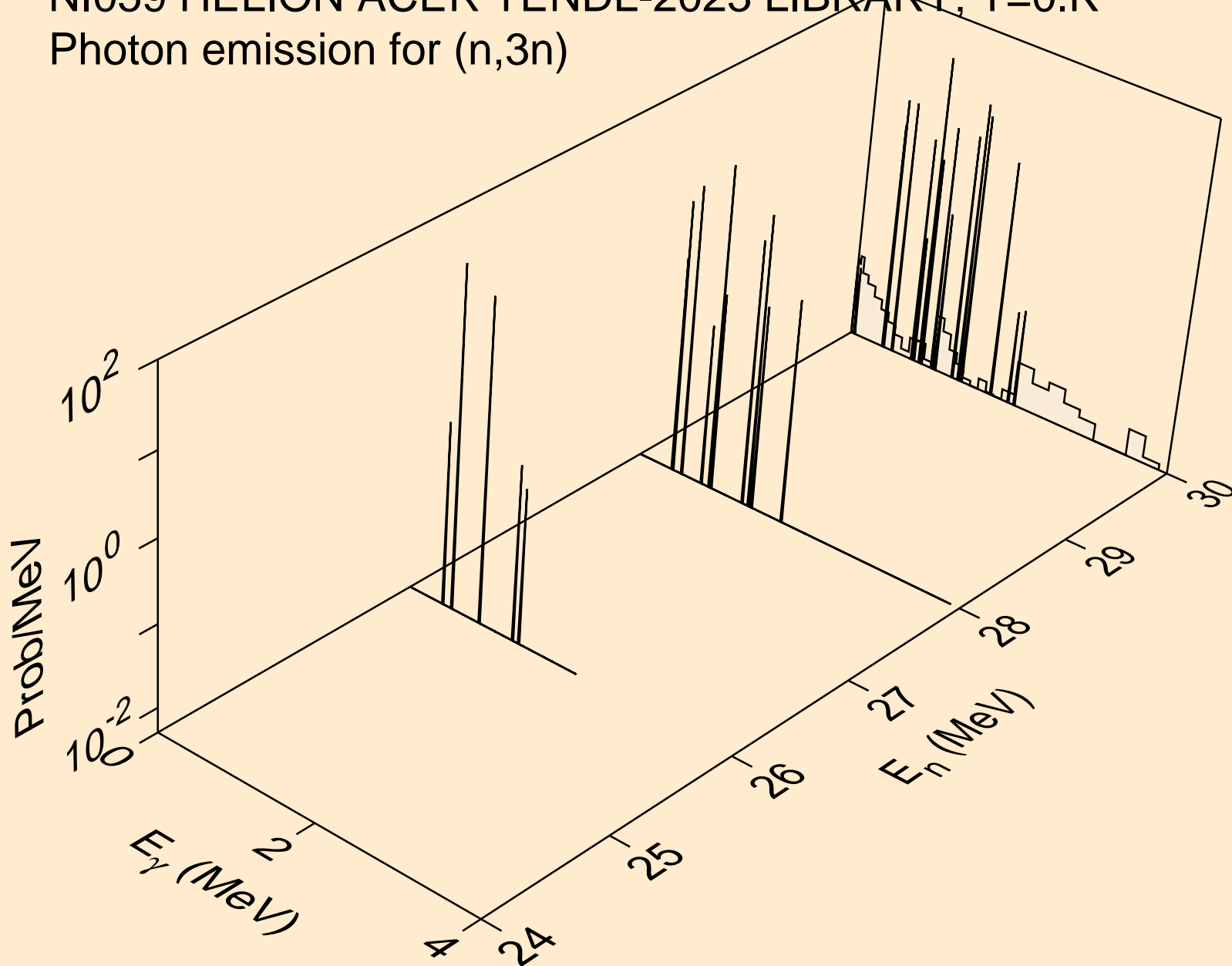
NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



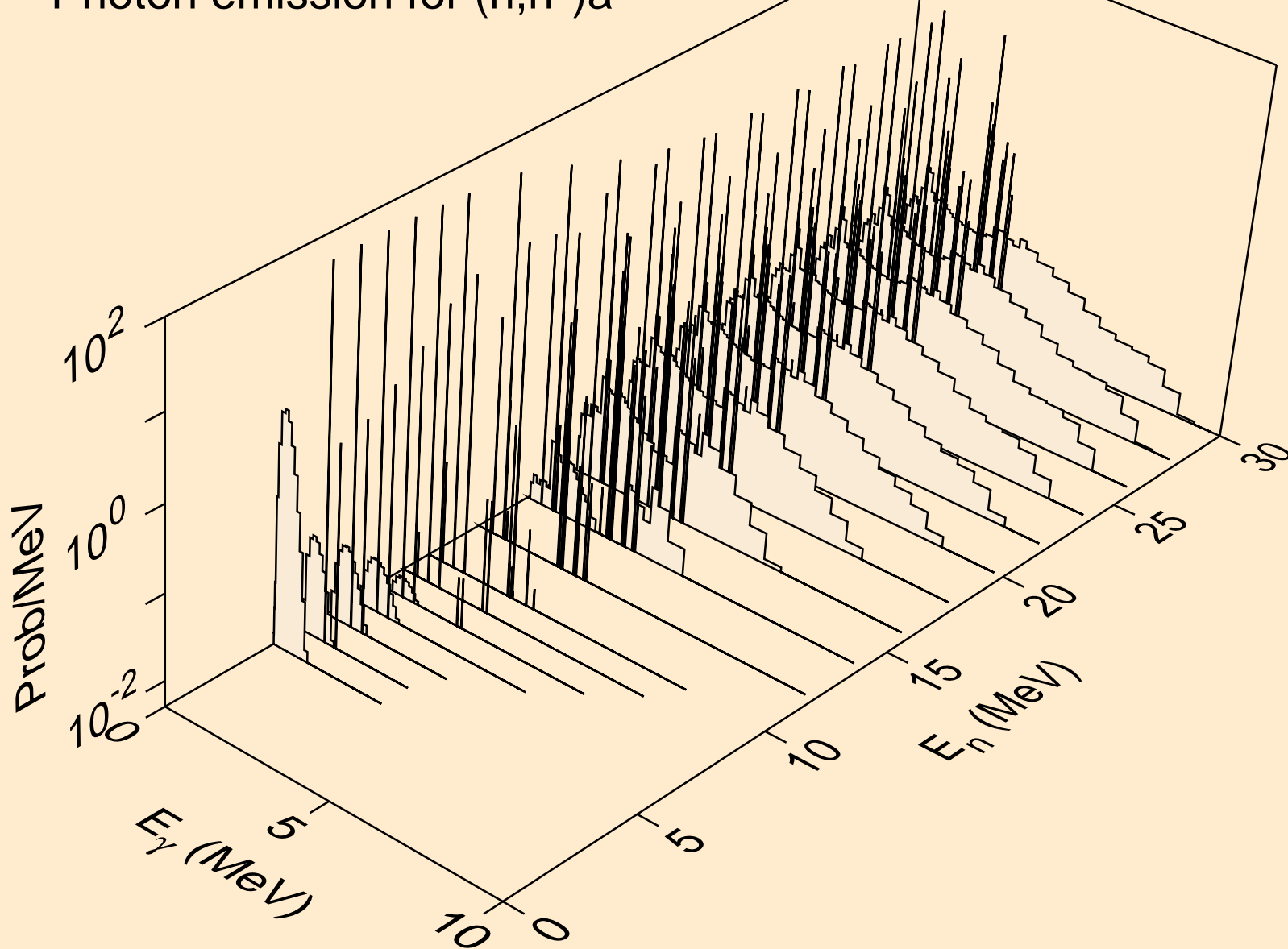
NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



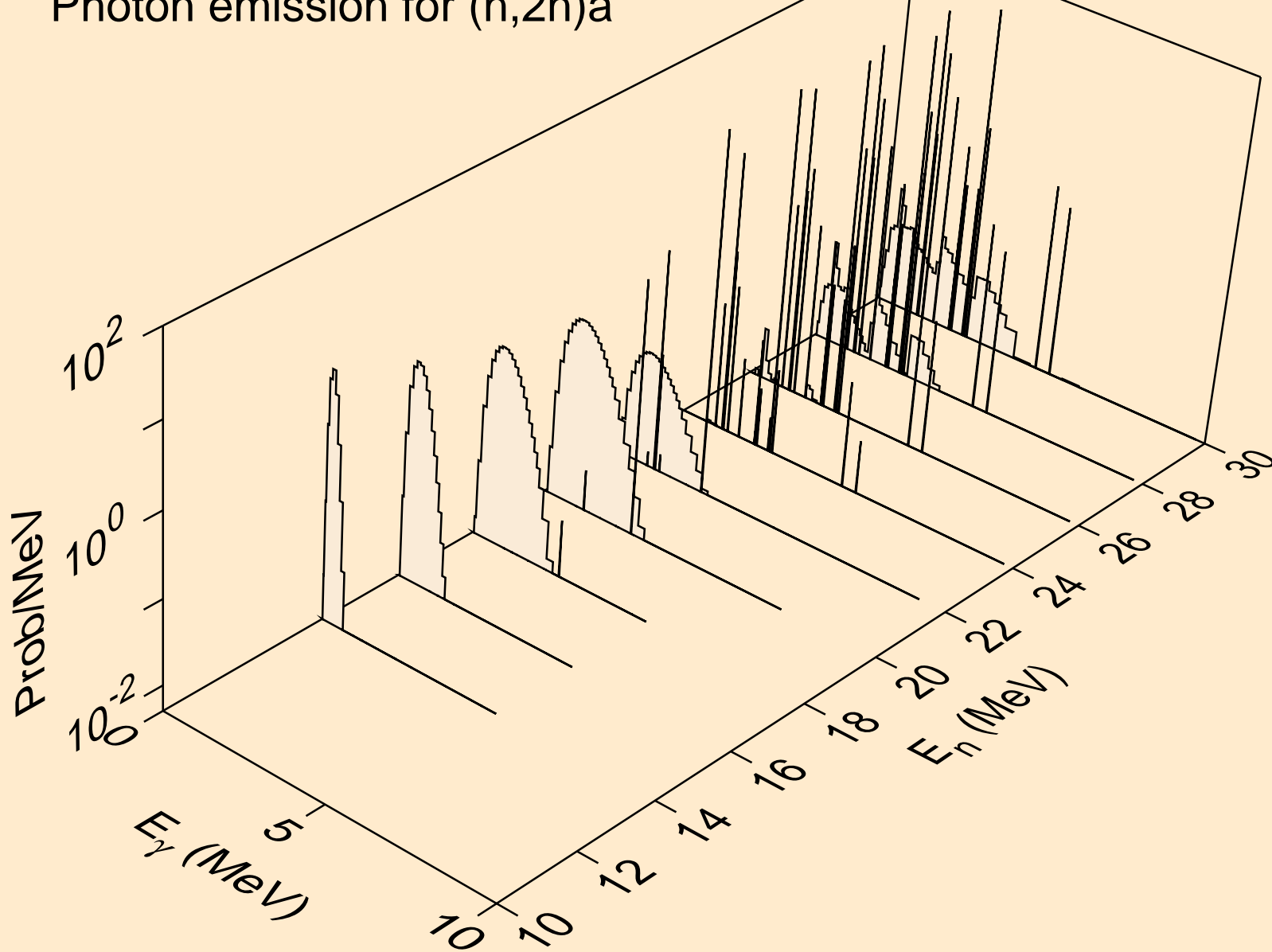
NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

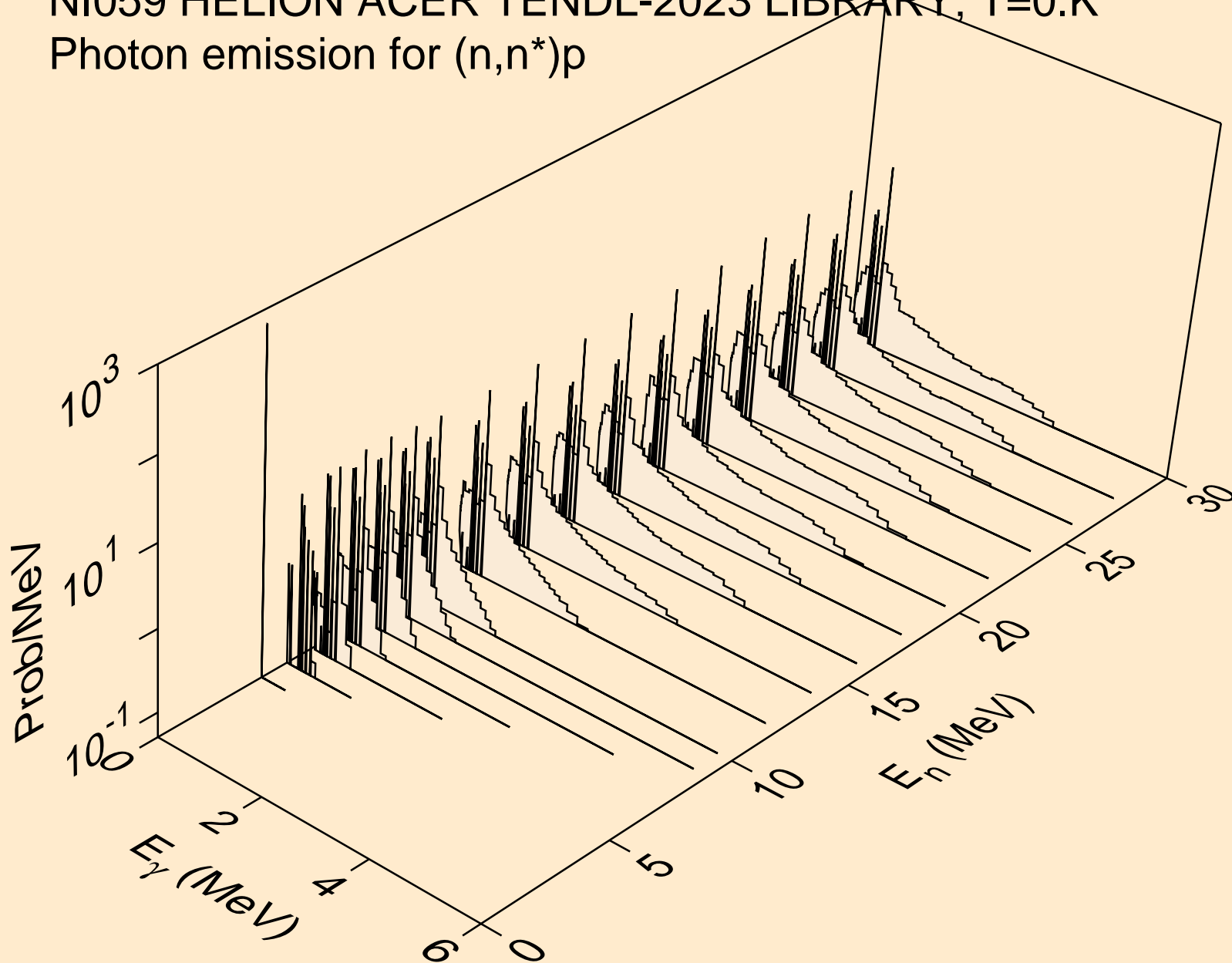


NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

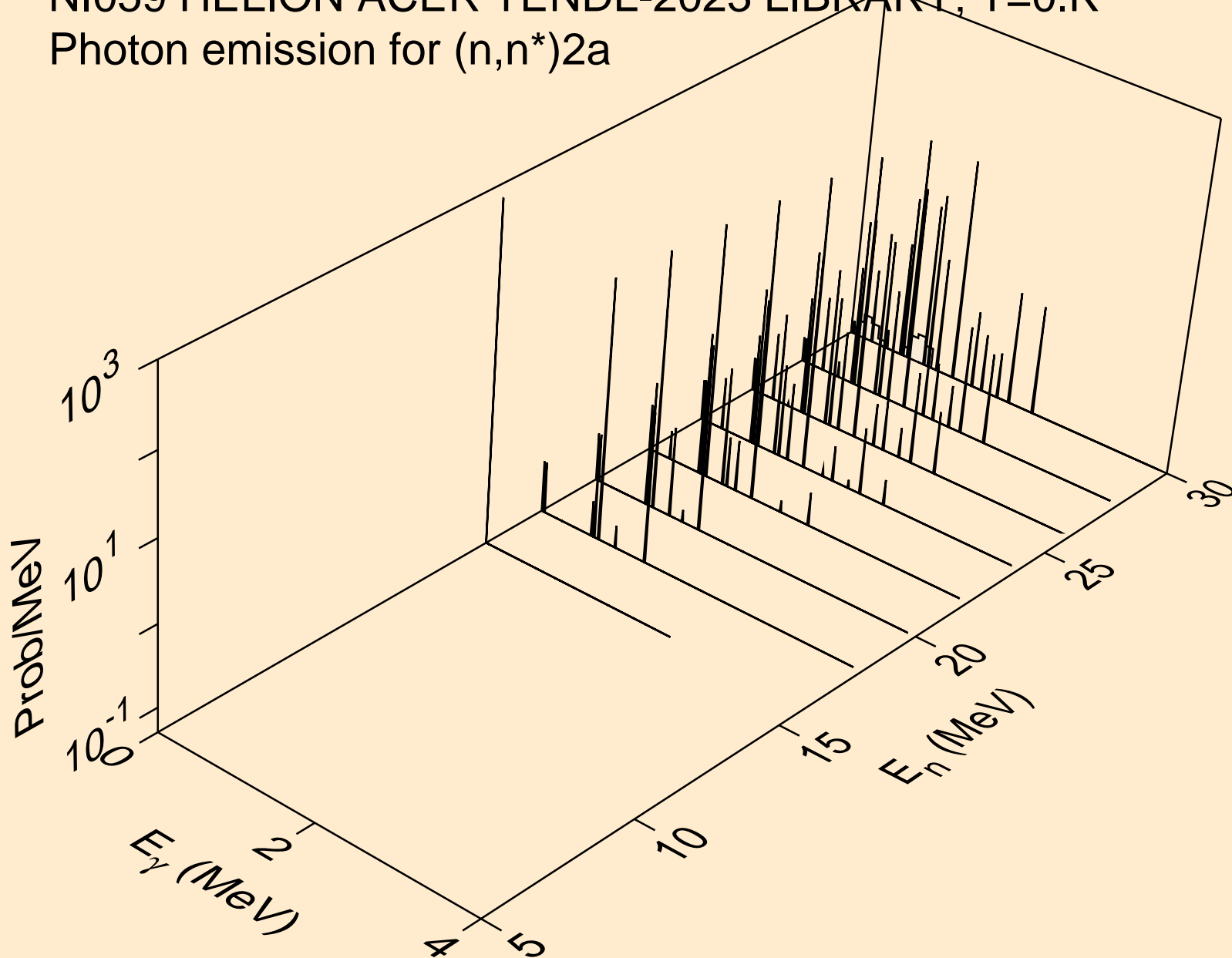




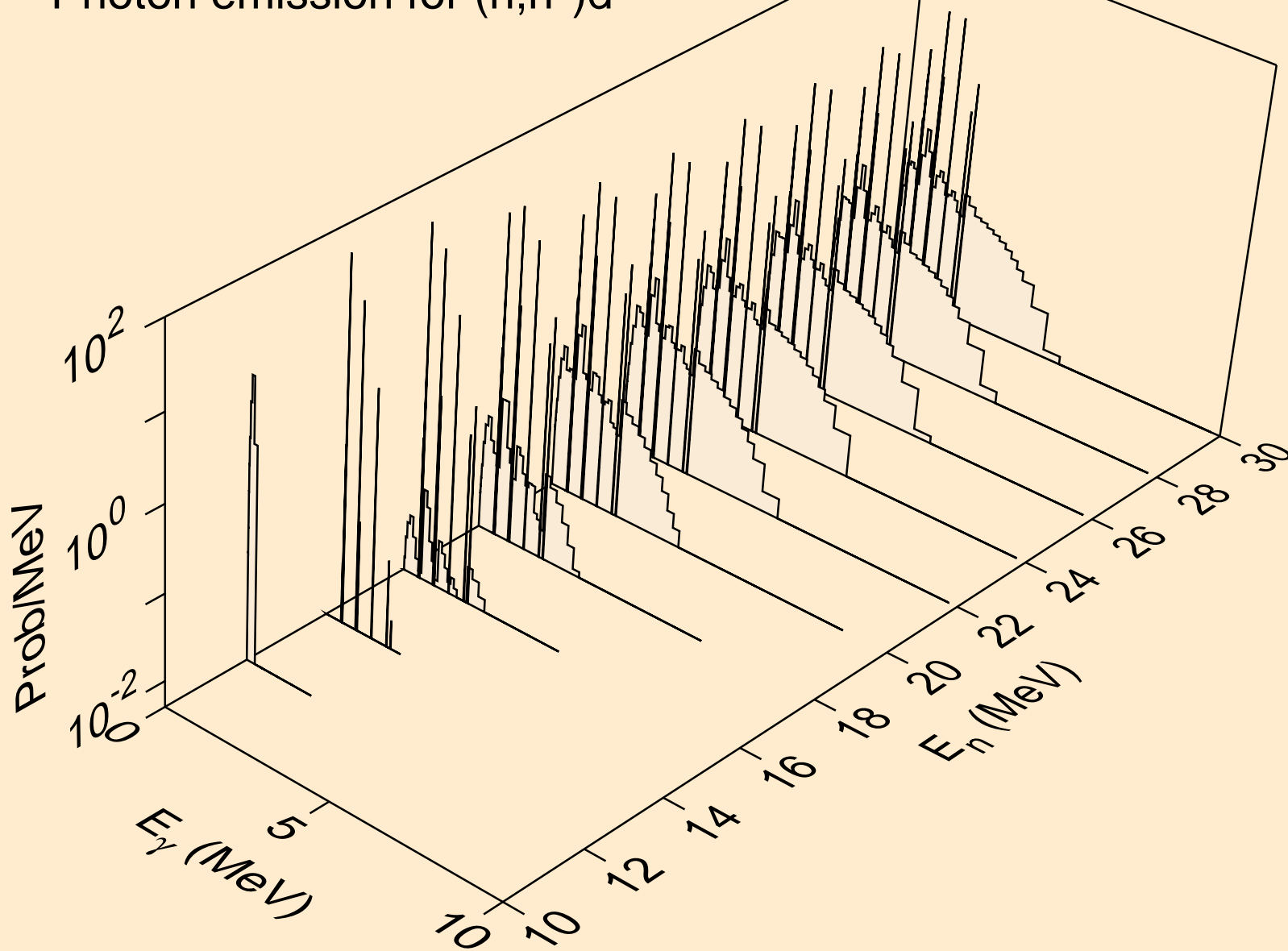
NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



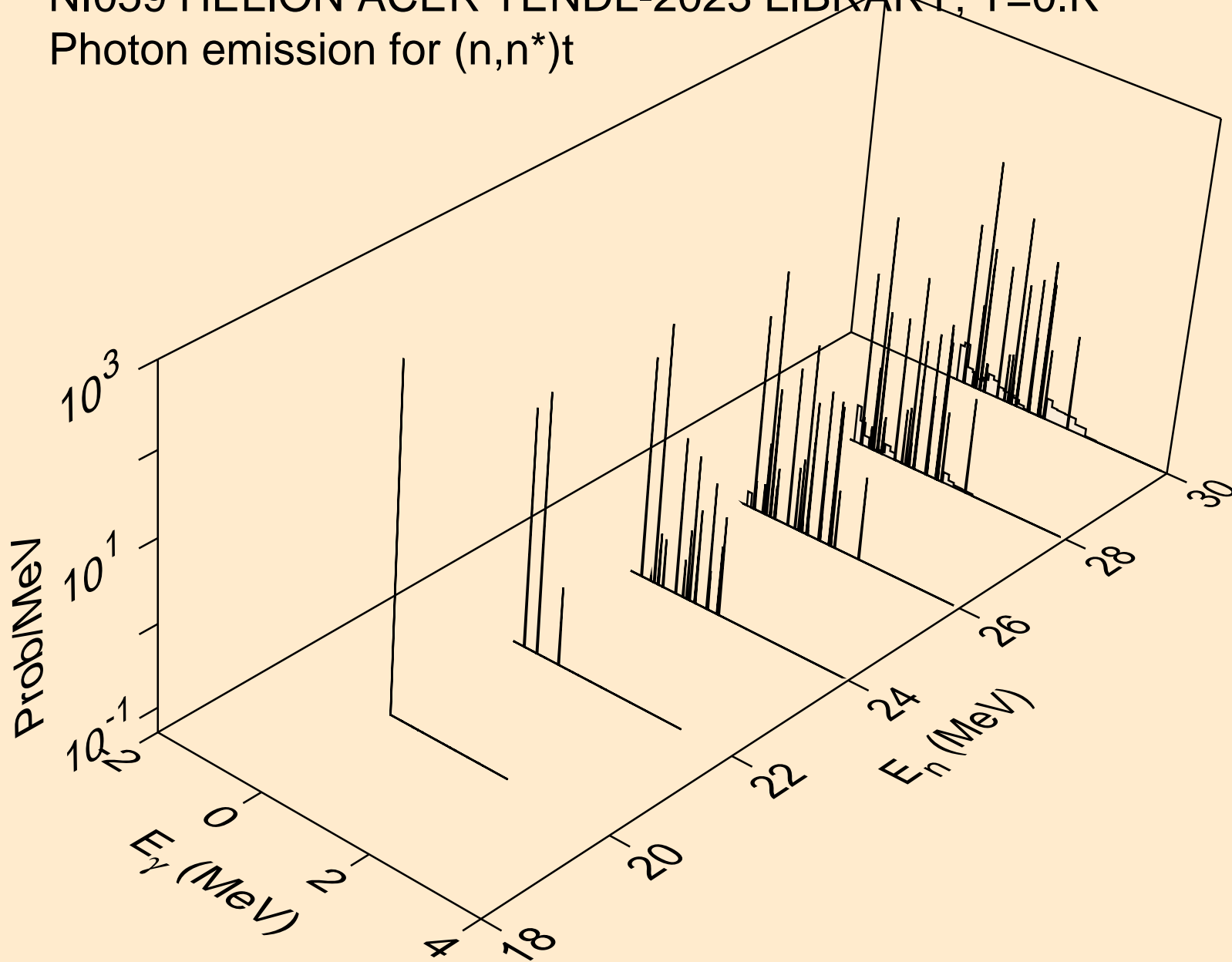
NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



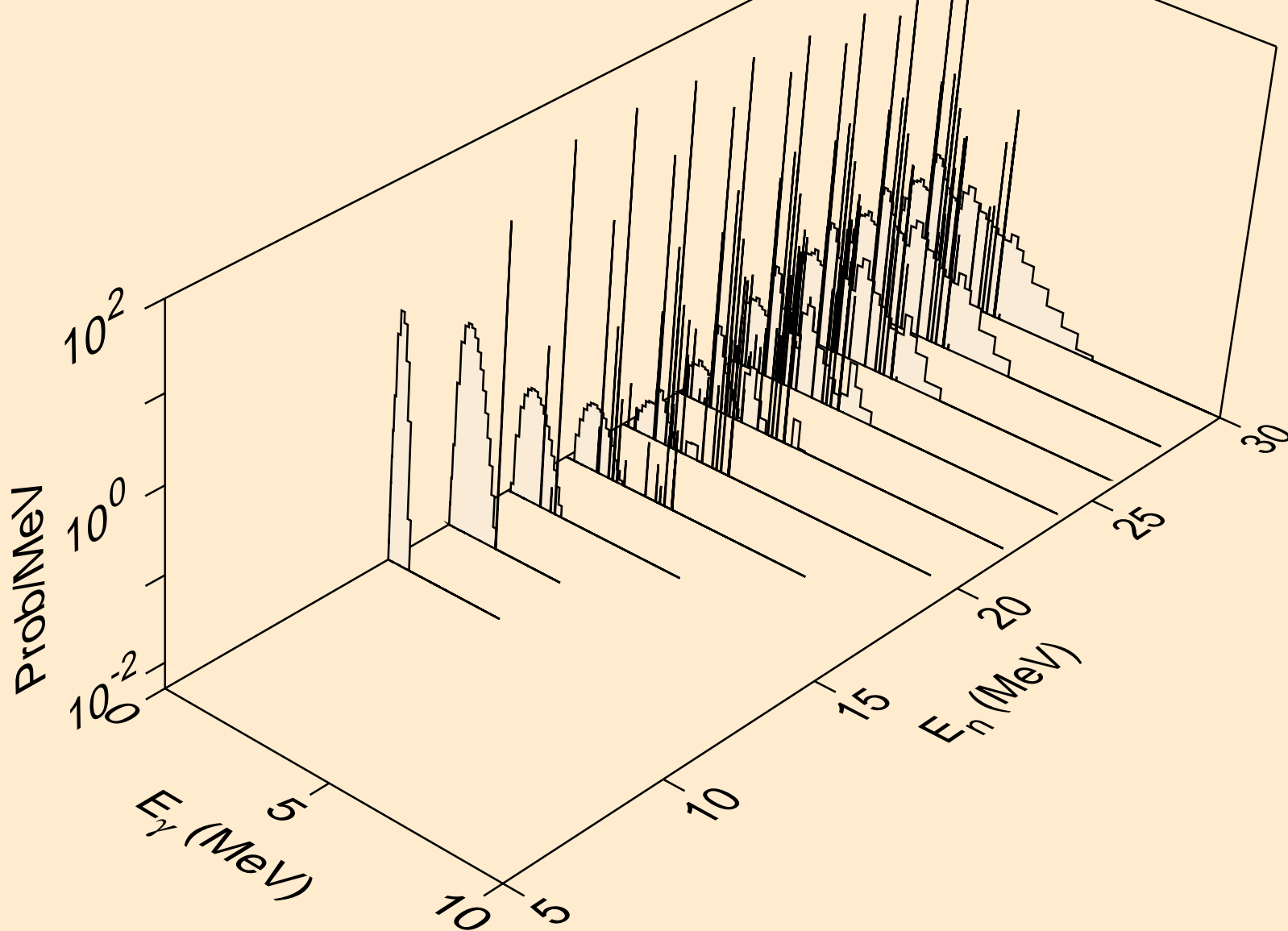
NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



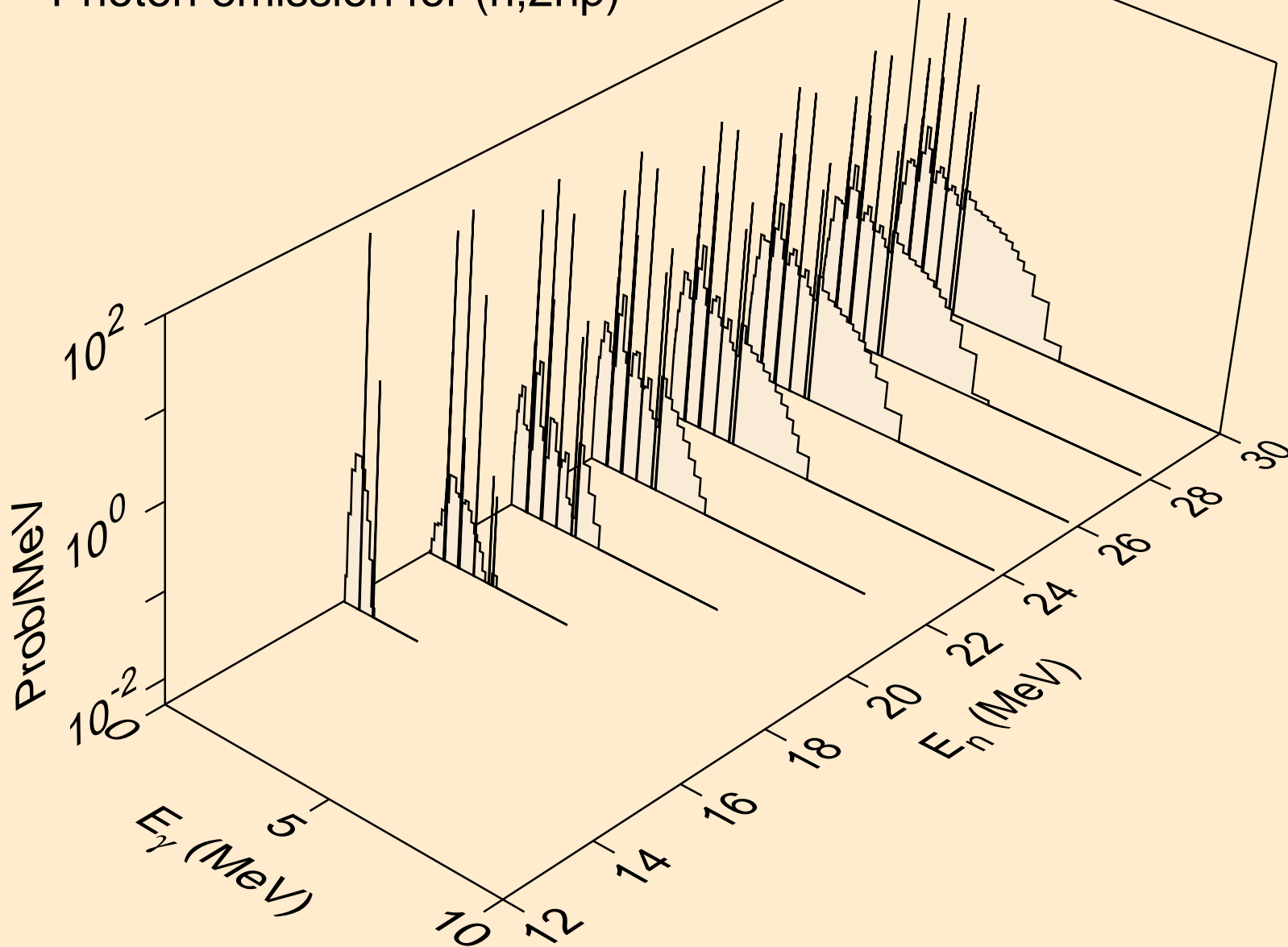
NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



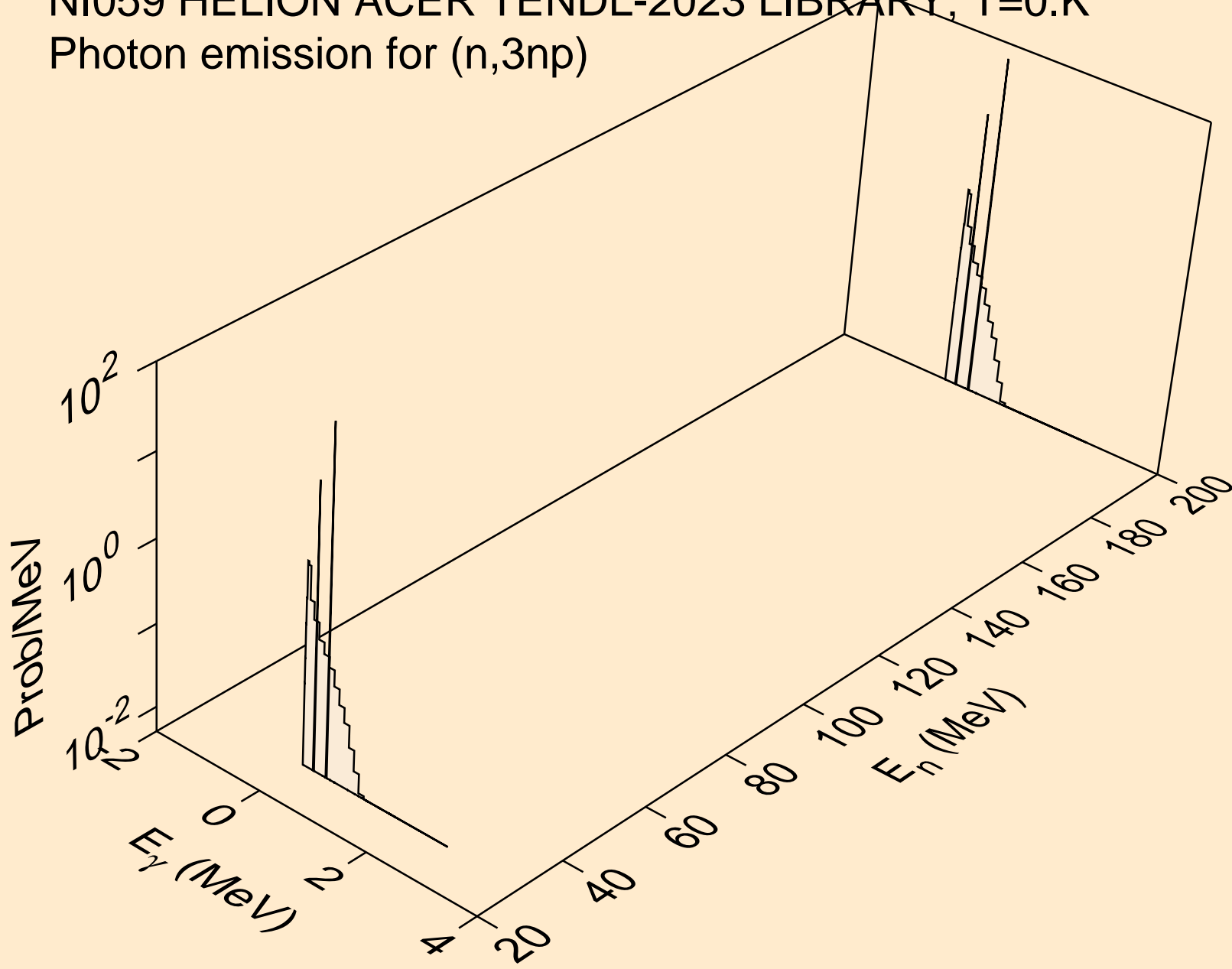
NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



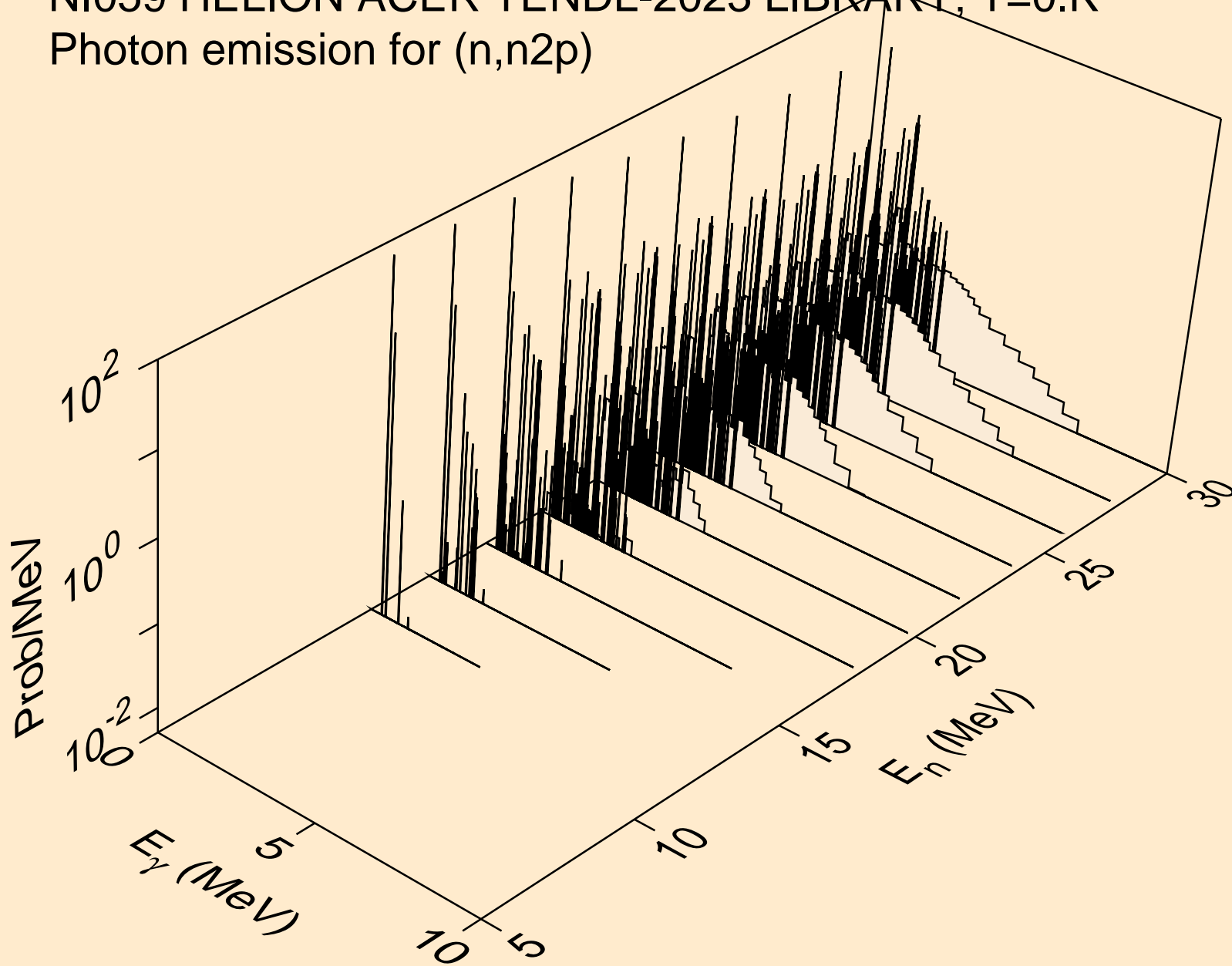
NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)

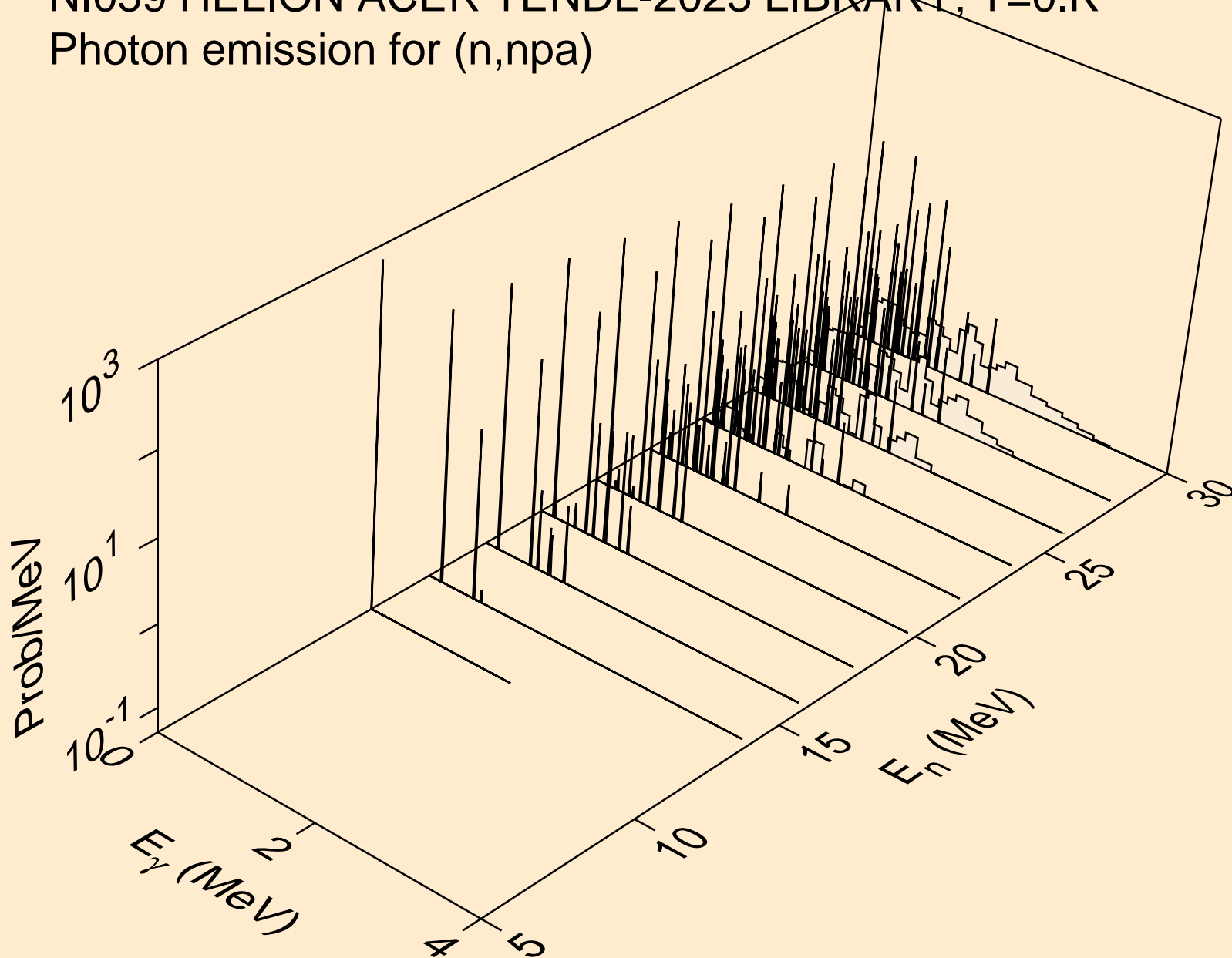


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Photon emission for (n,n2p)

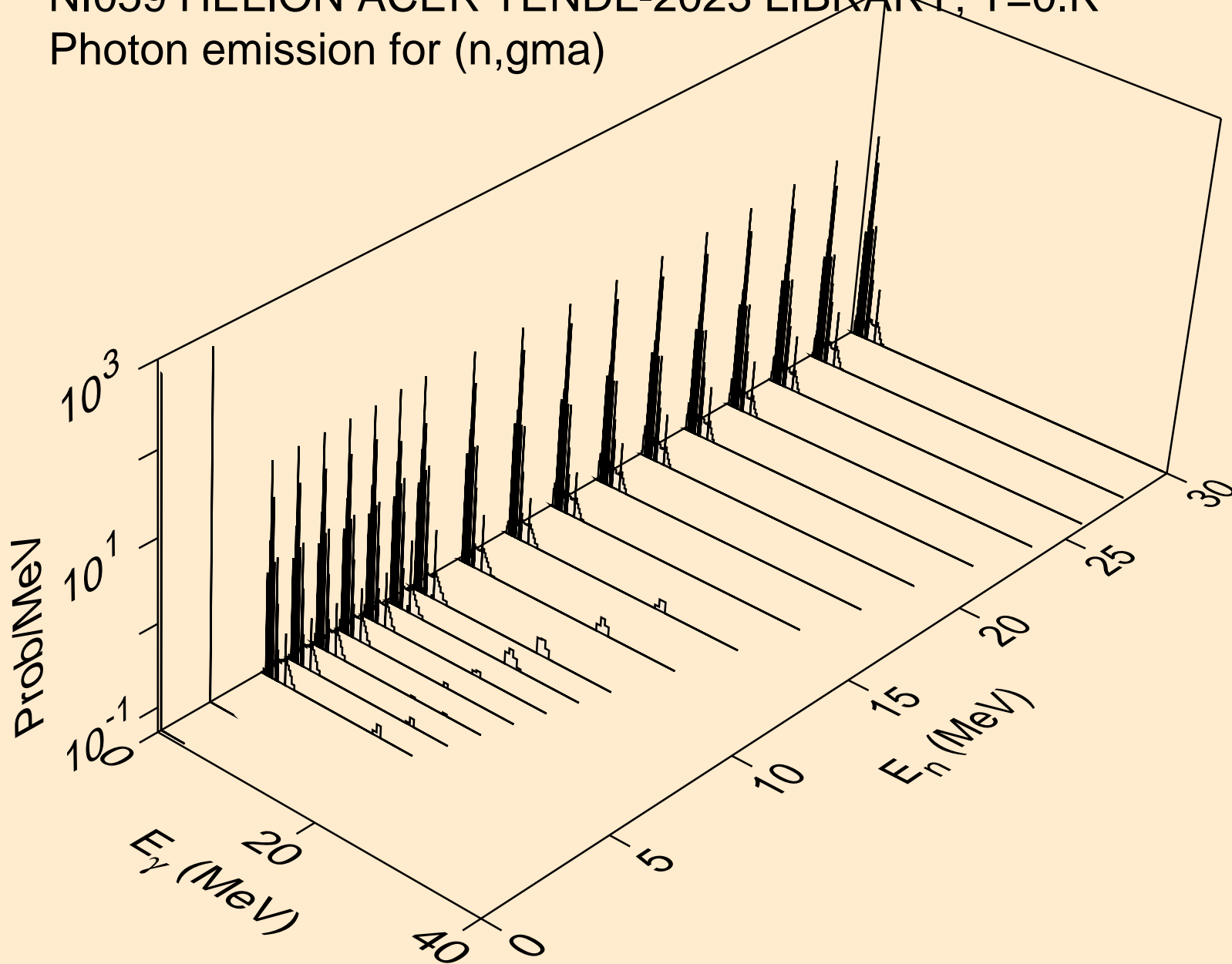




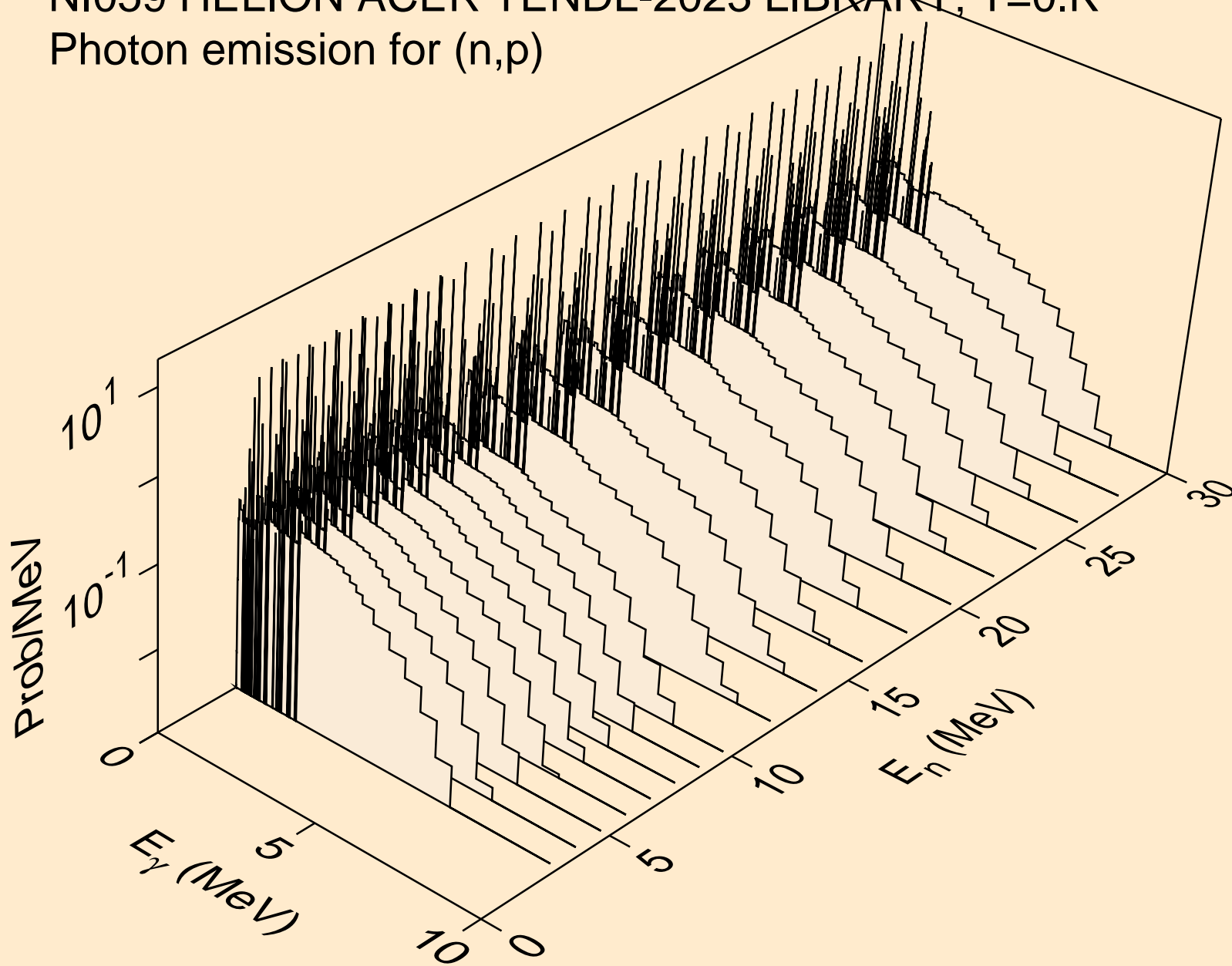
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Photon emission for (n,npa)



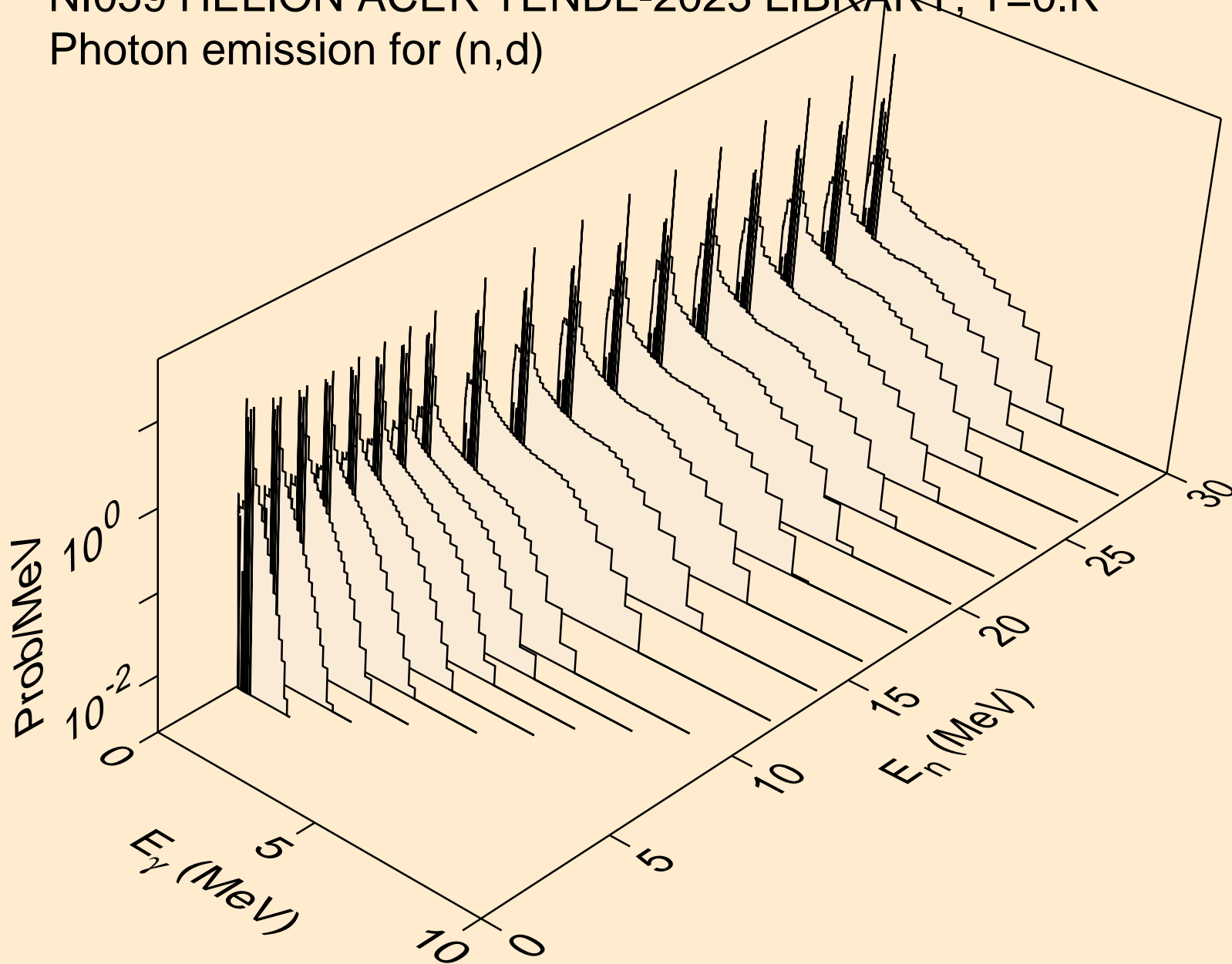
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Photon emission for (n,gma)



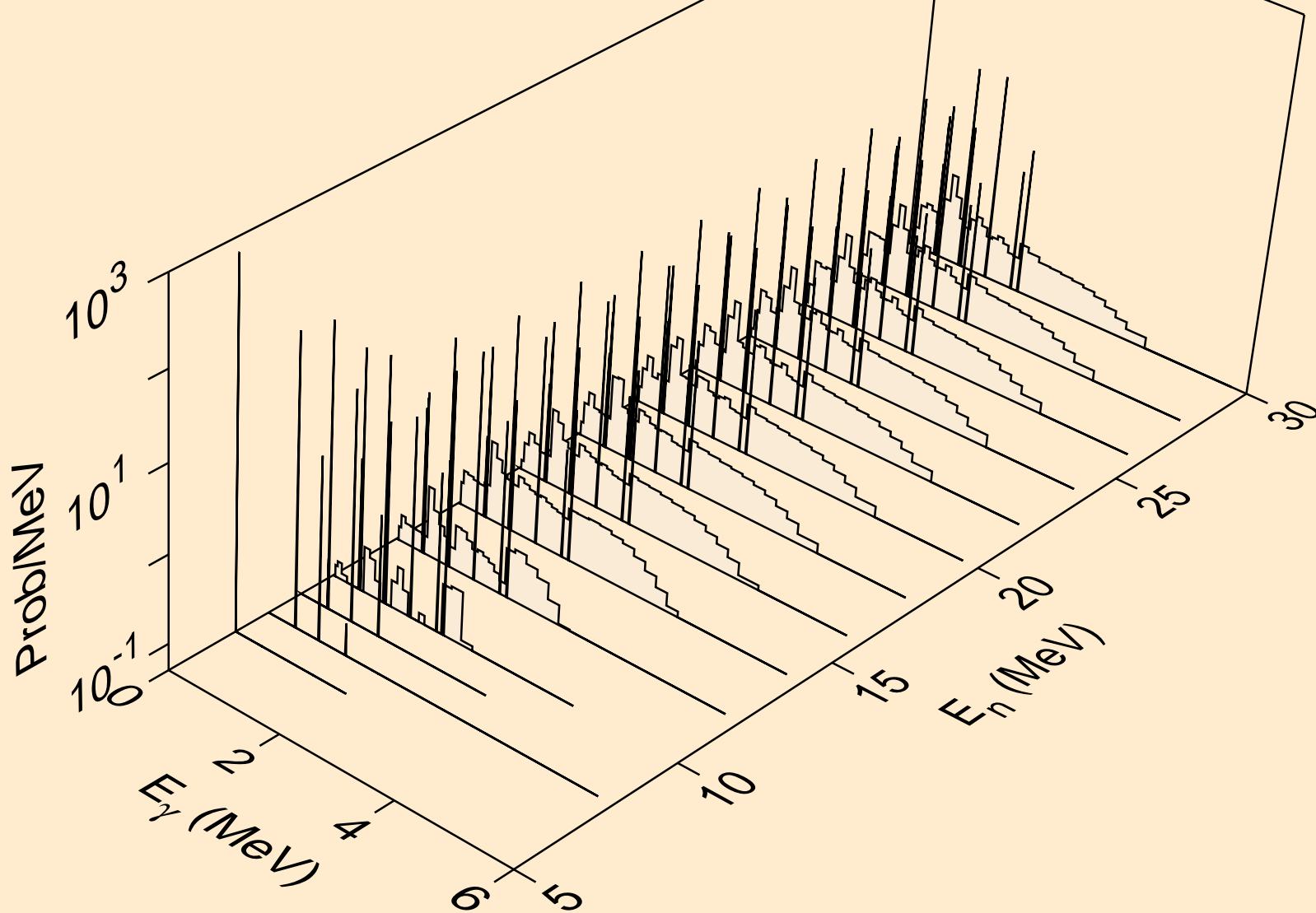
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Photon emission for (n,p)



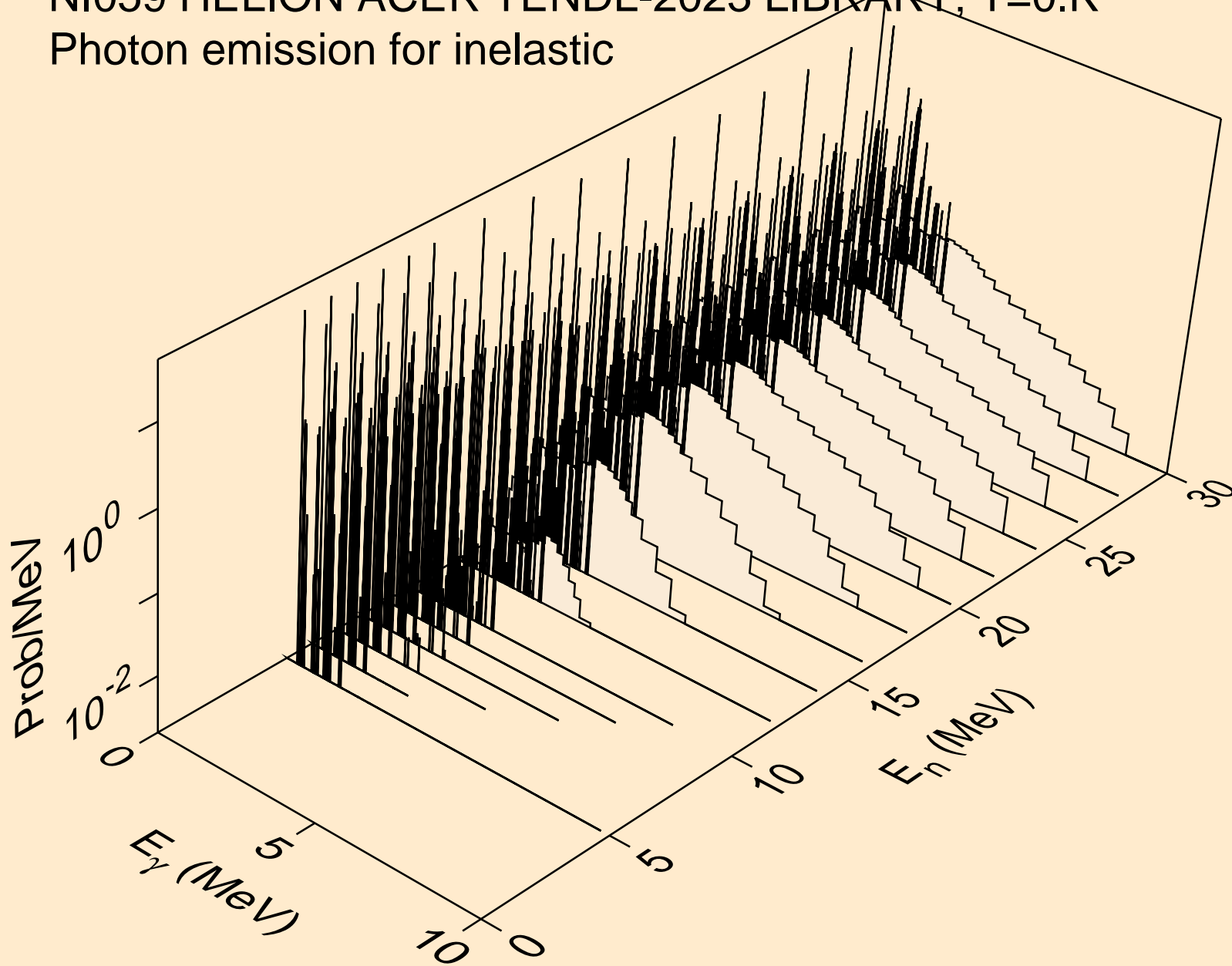
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Photon emission for (n,d)



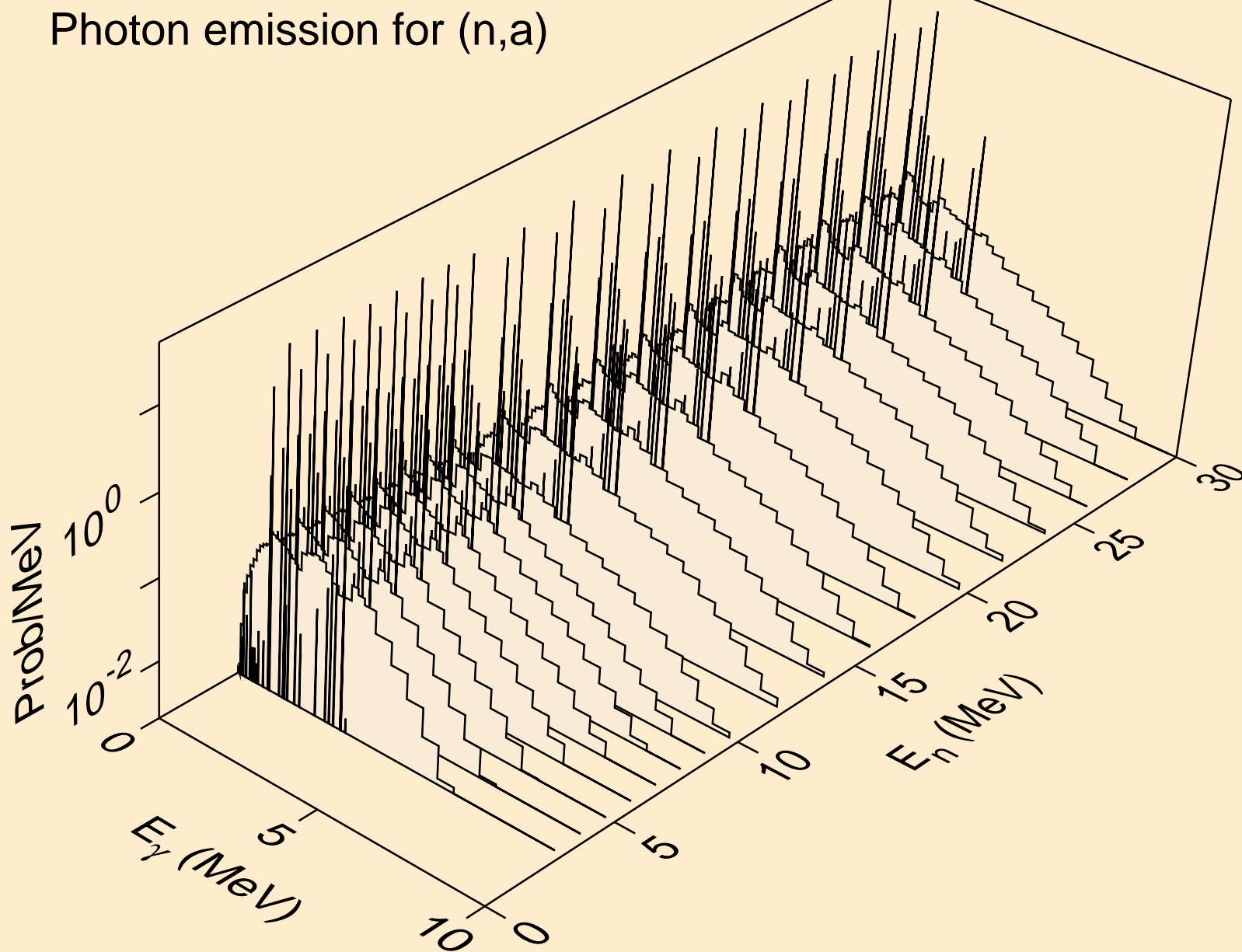
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Photon emission for (n,t)



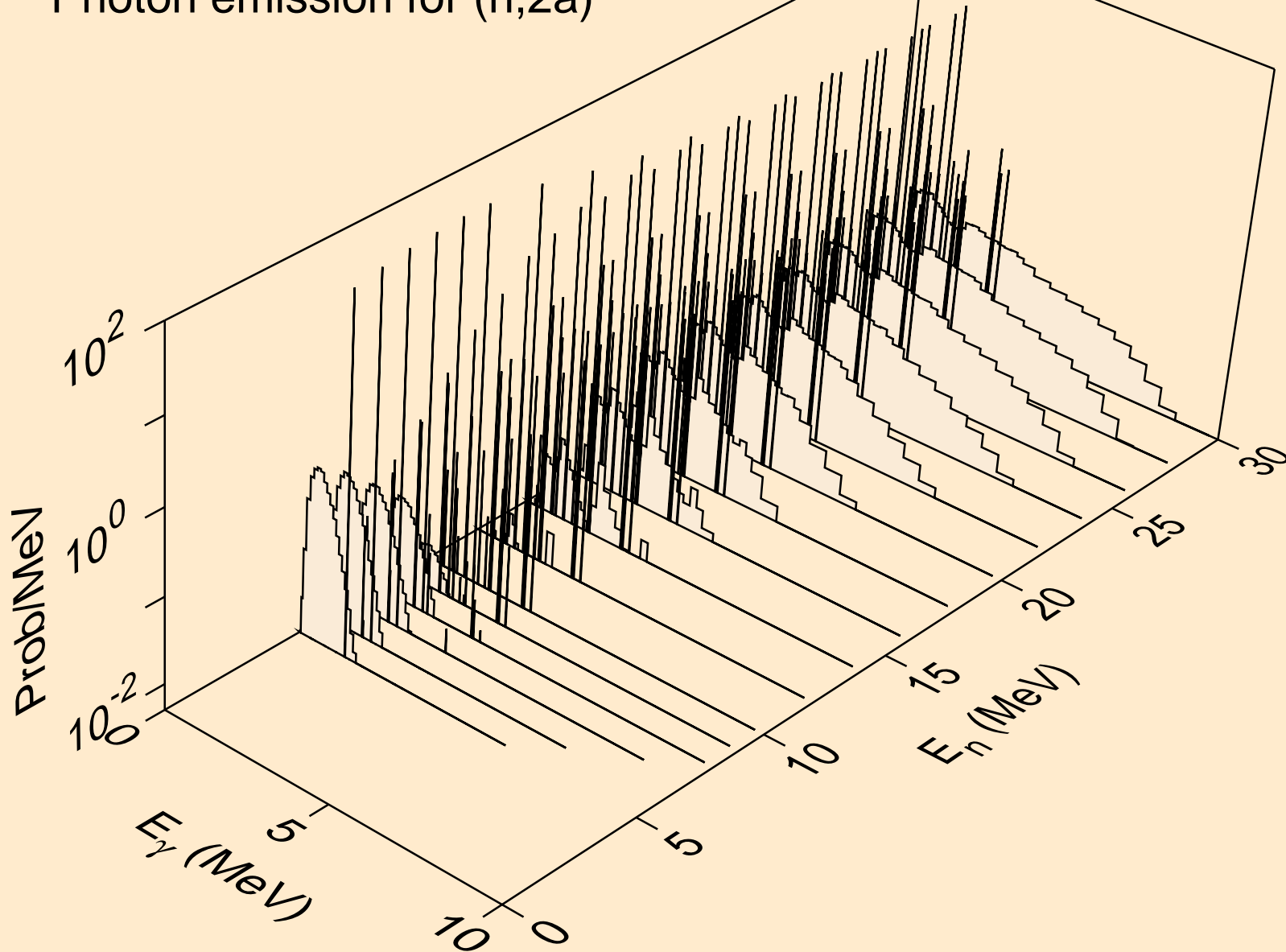
NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

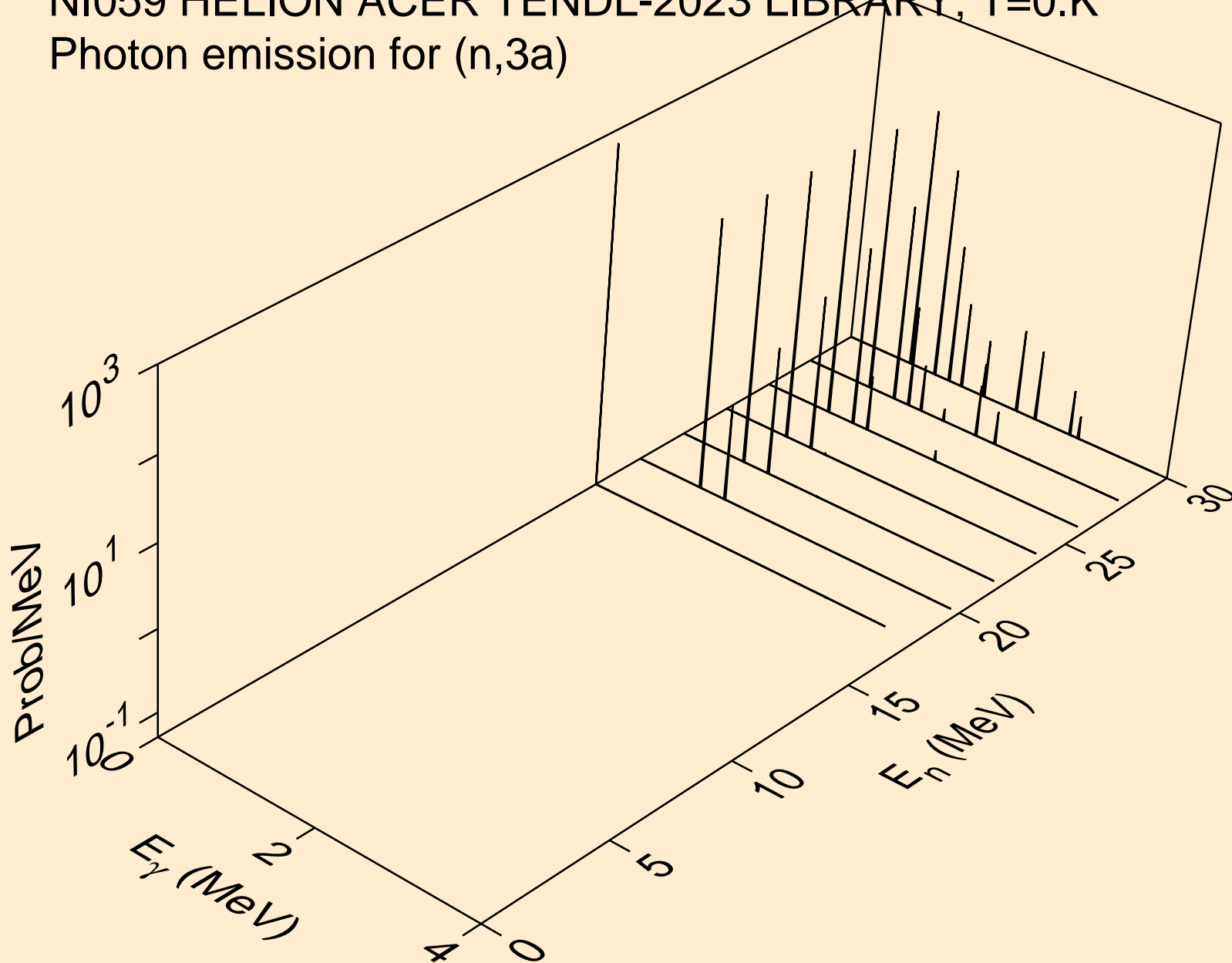


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Photon emission for (n,2a)

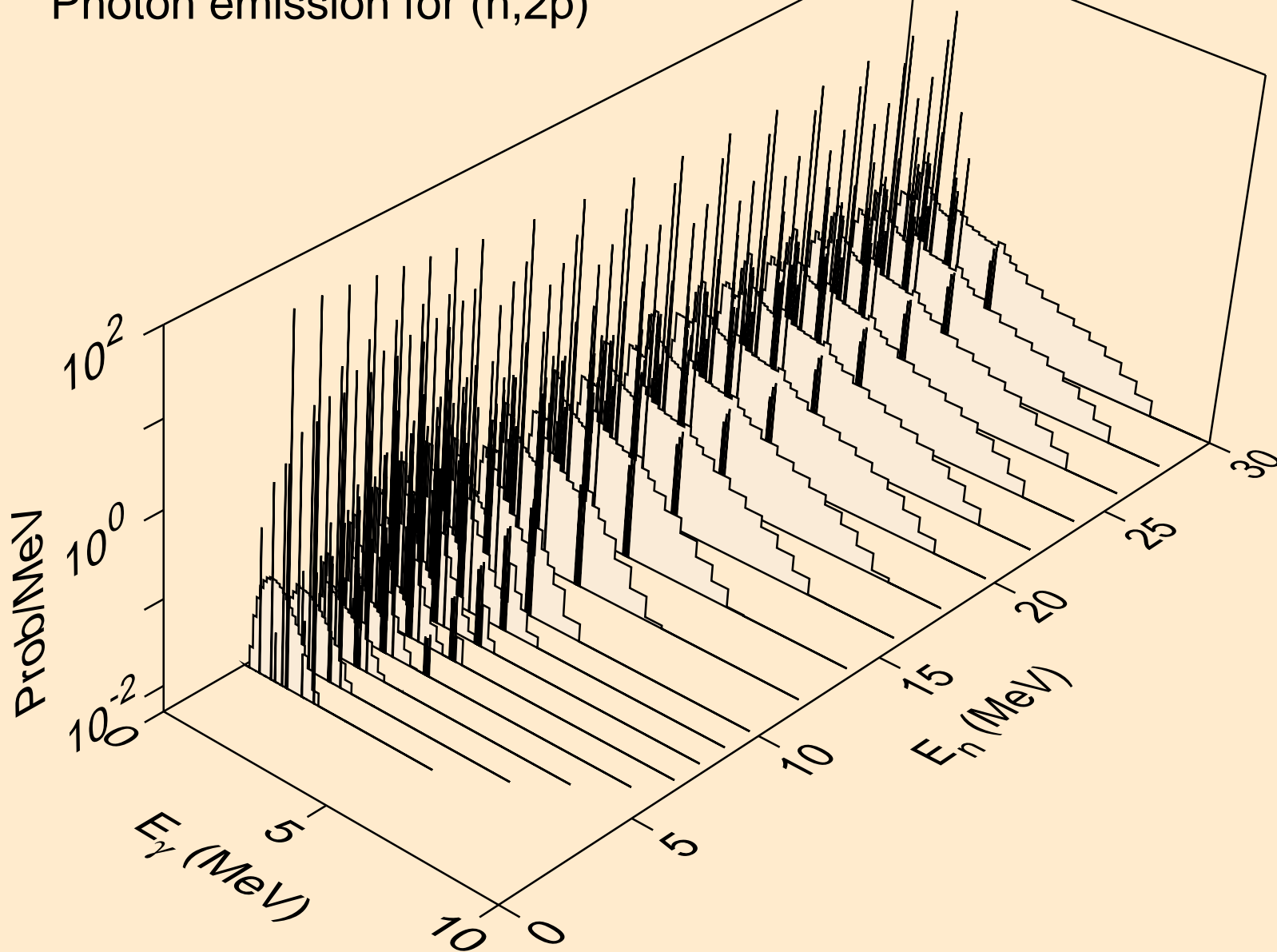




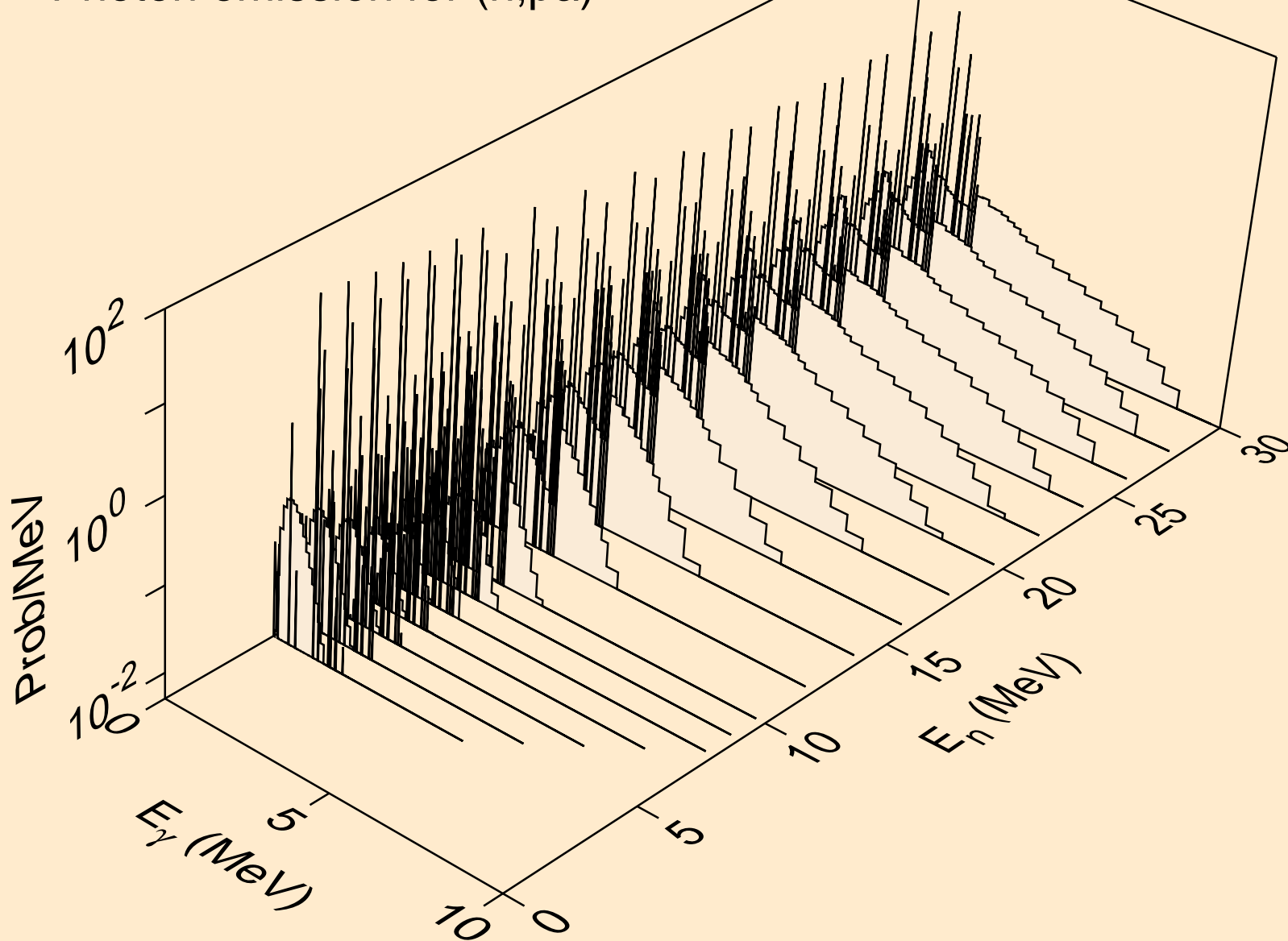
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Photon emission for (n,3a)



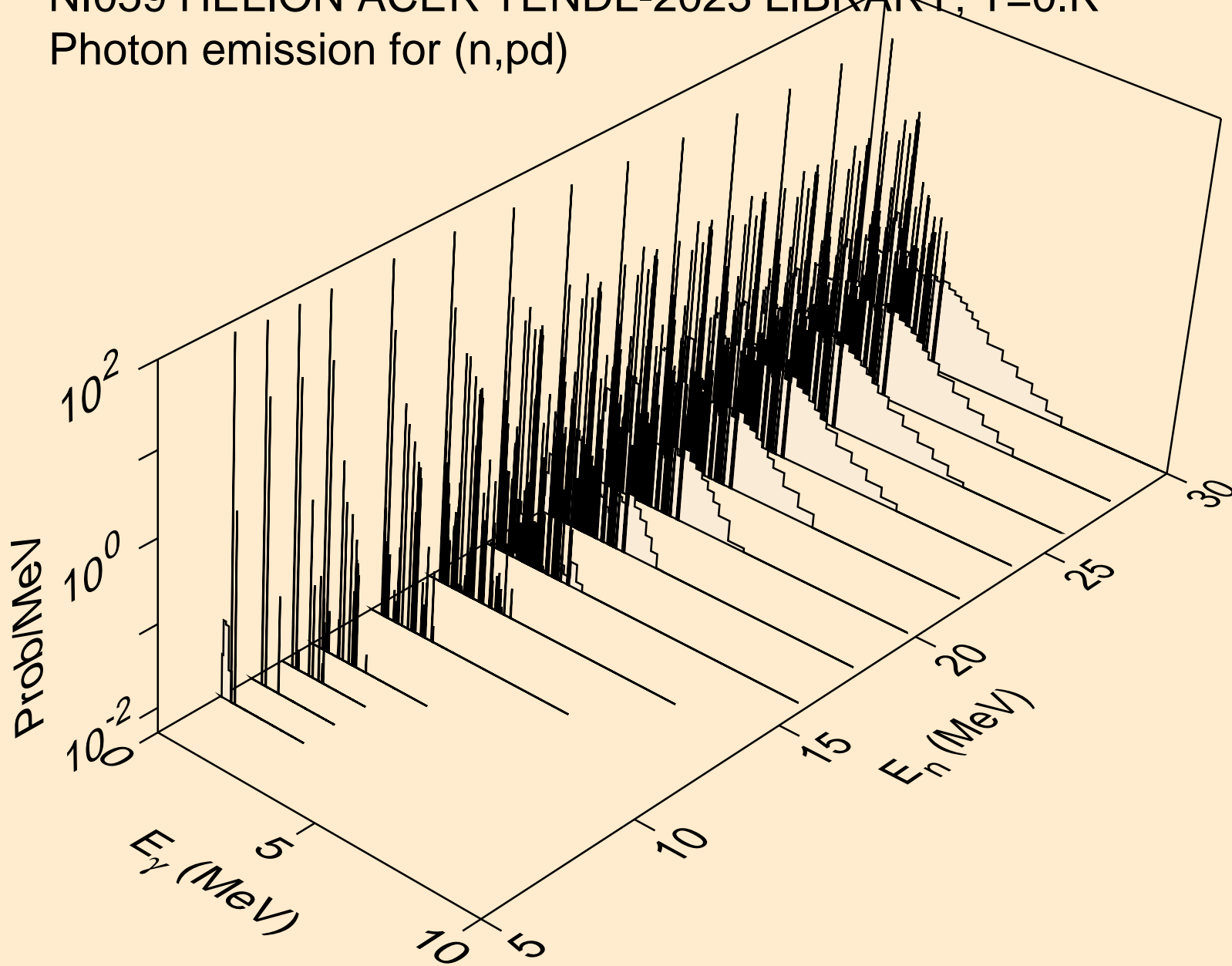
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Photon emission for (n,2p)



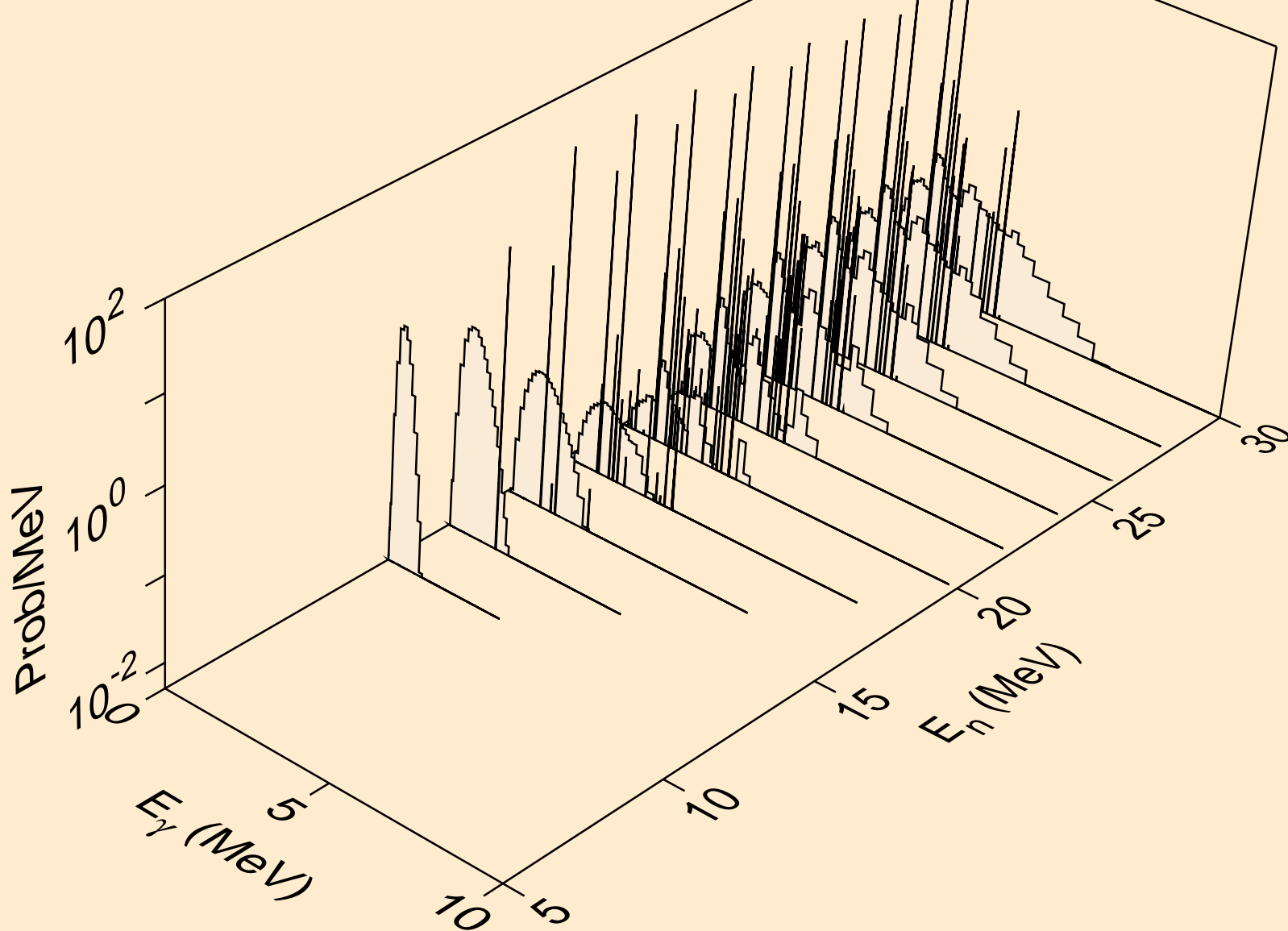
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Photon emission for (n,pa)



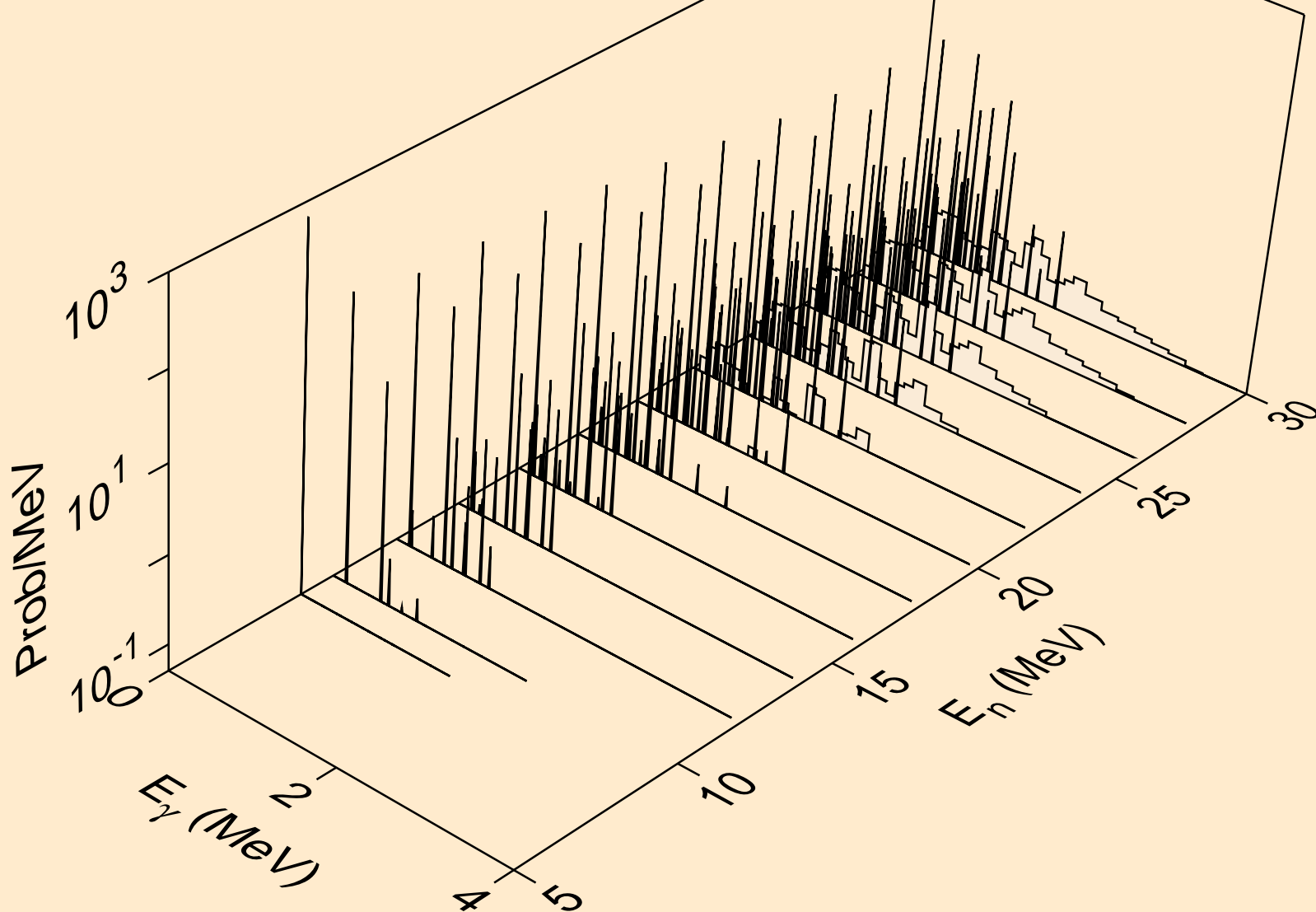
NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

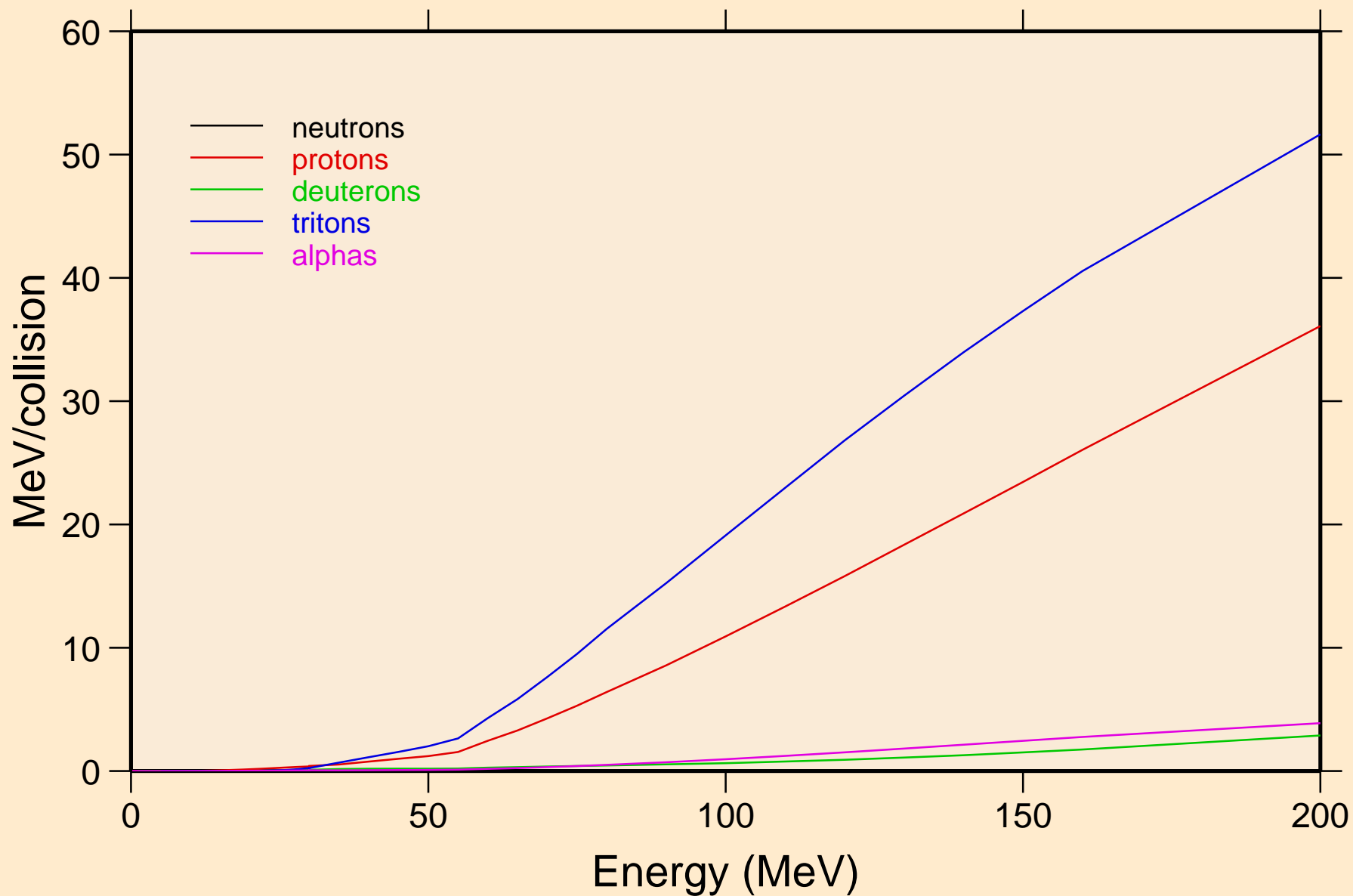


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Photon emission for (n,da)

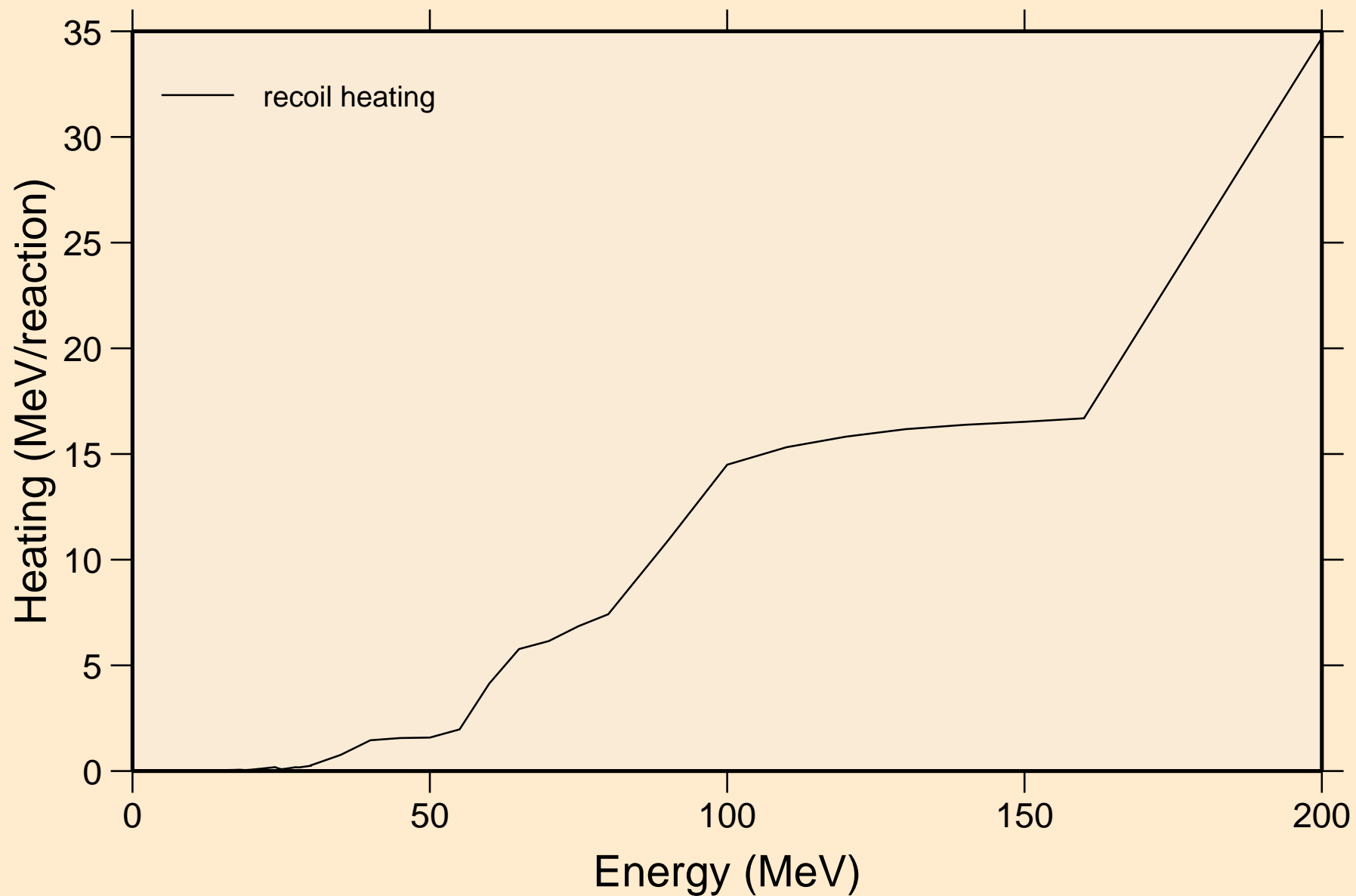


# NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

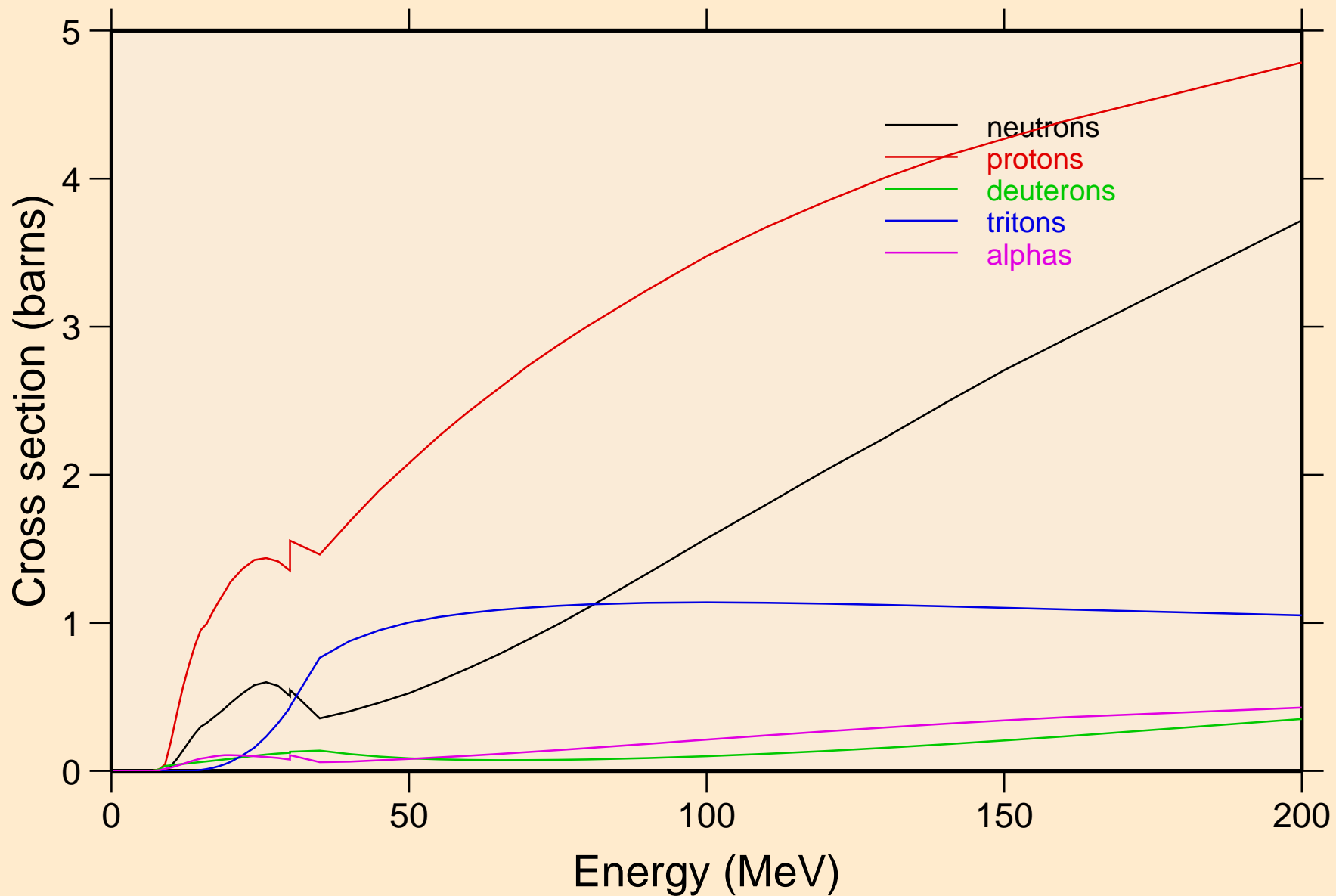


NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

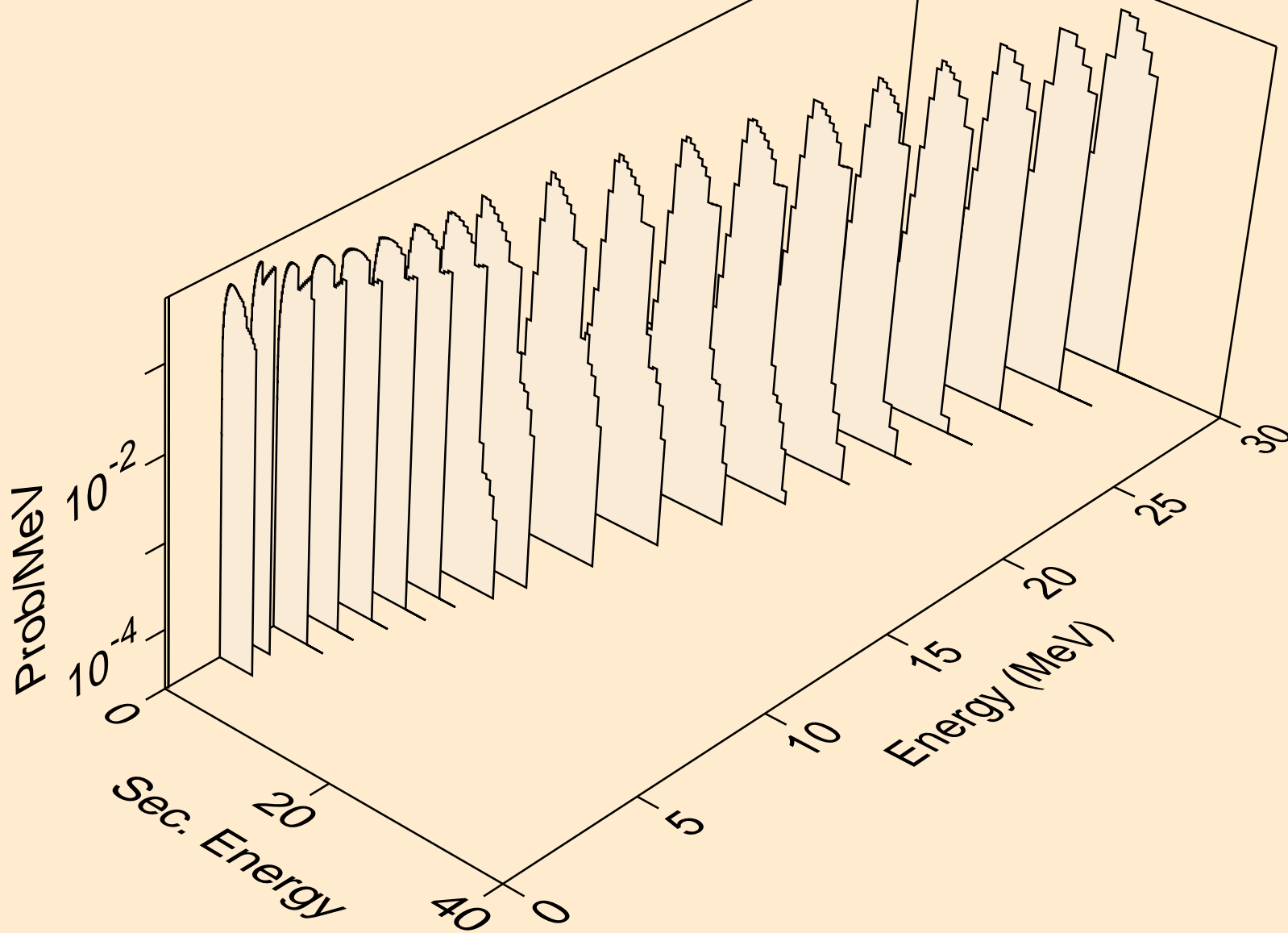




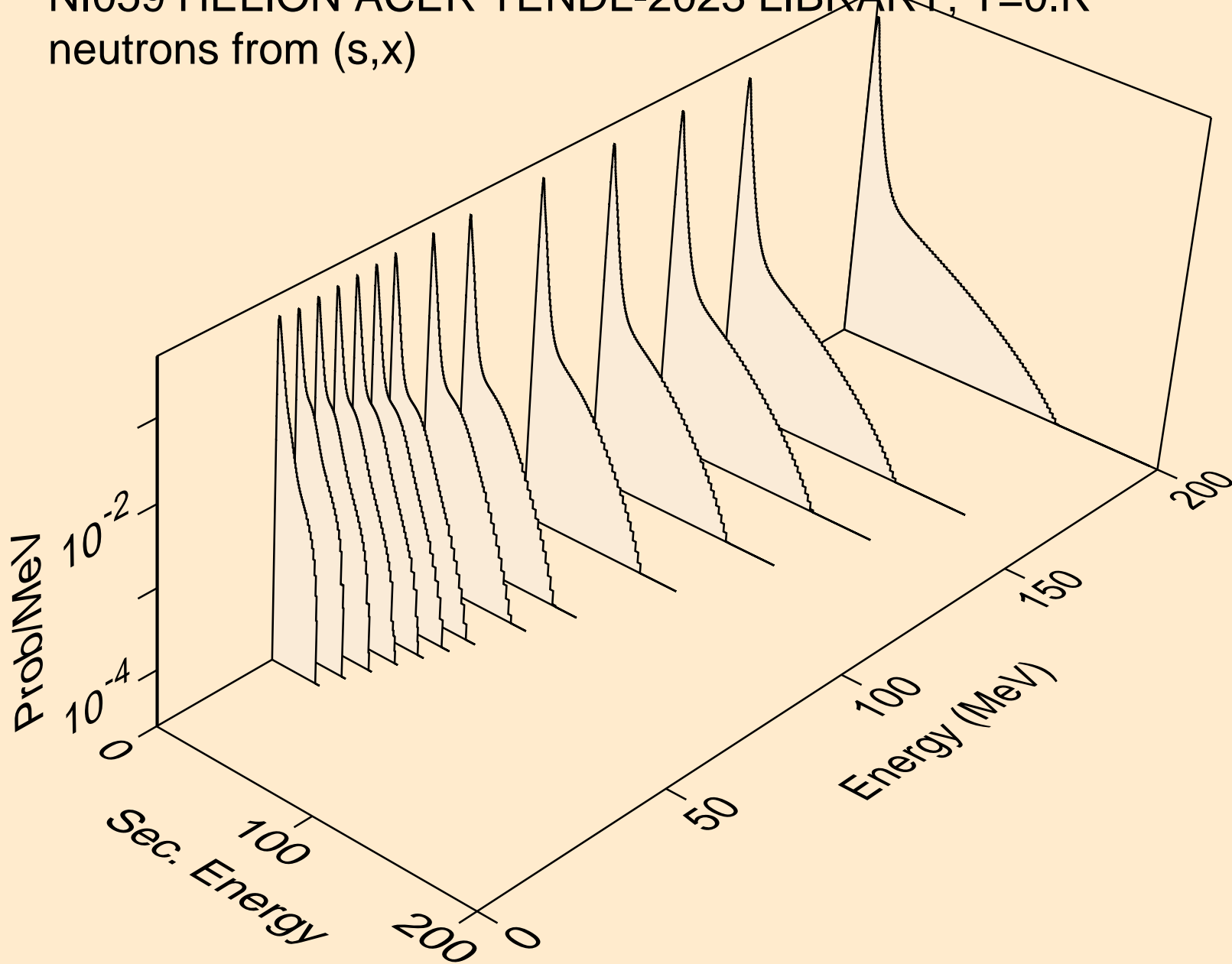
NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



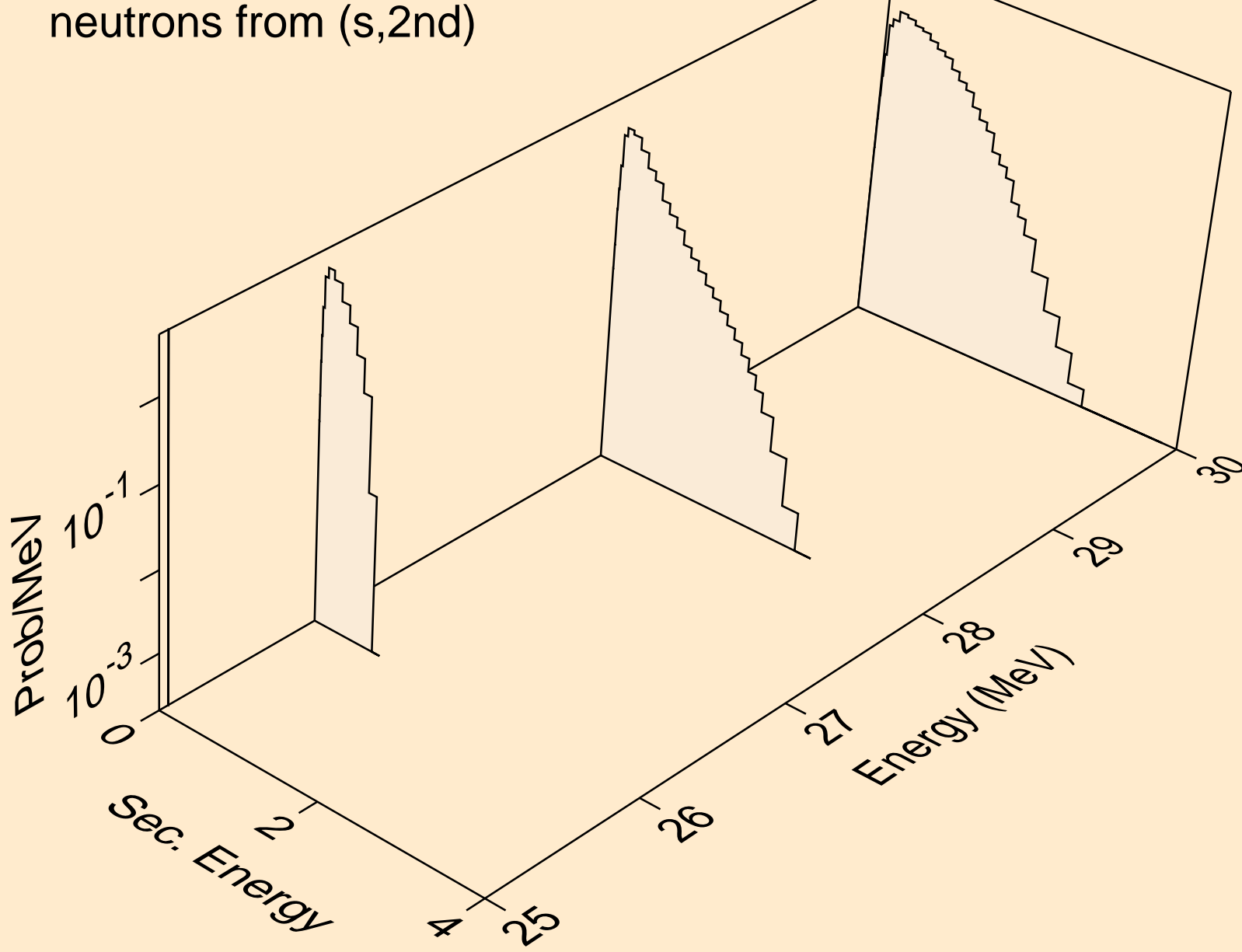
NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



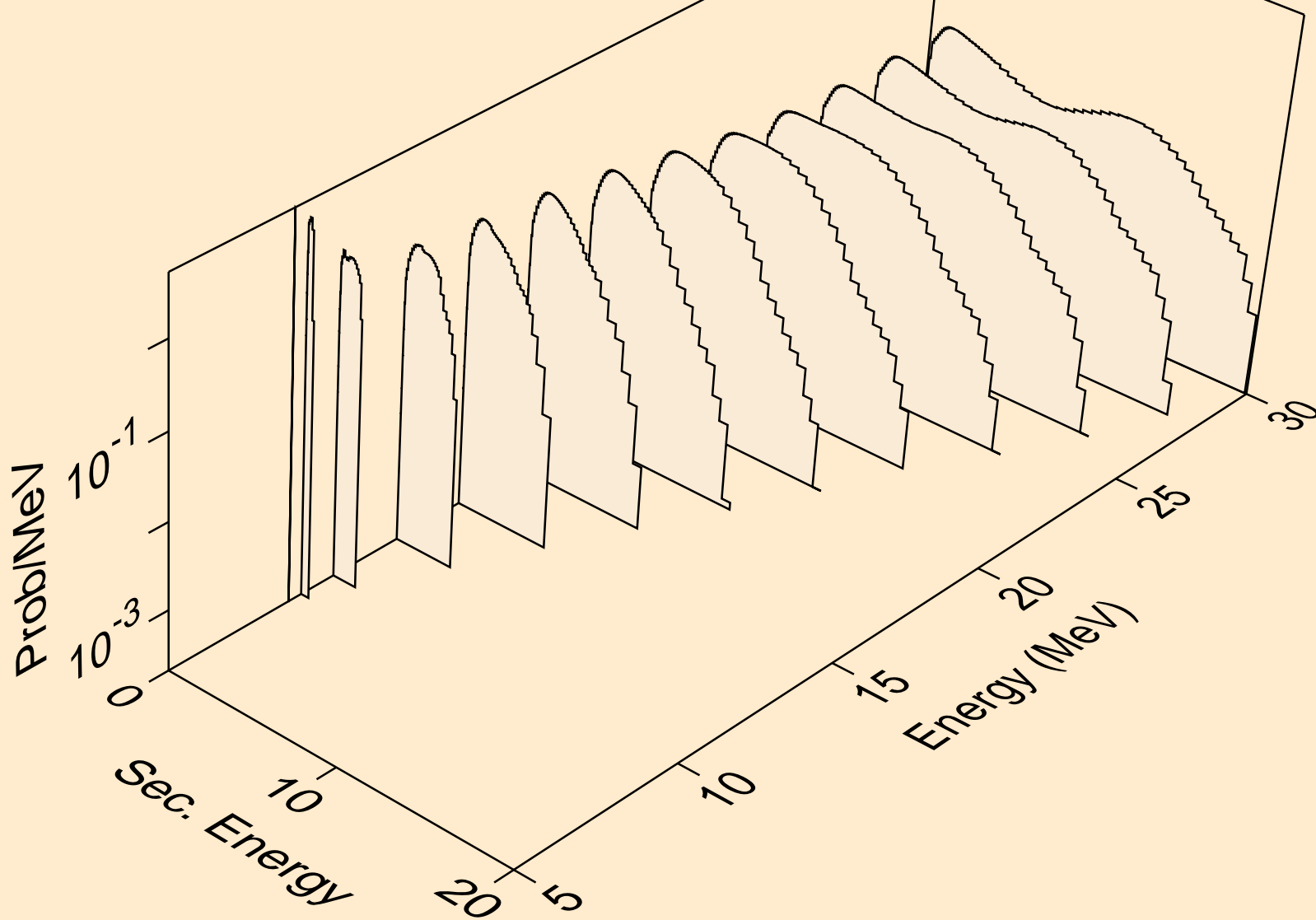
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neutrons from (s,x)



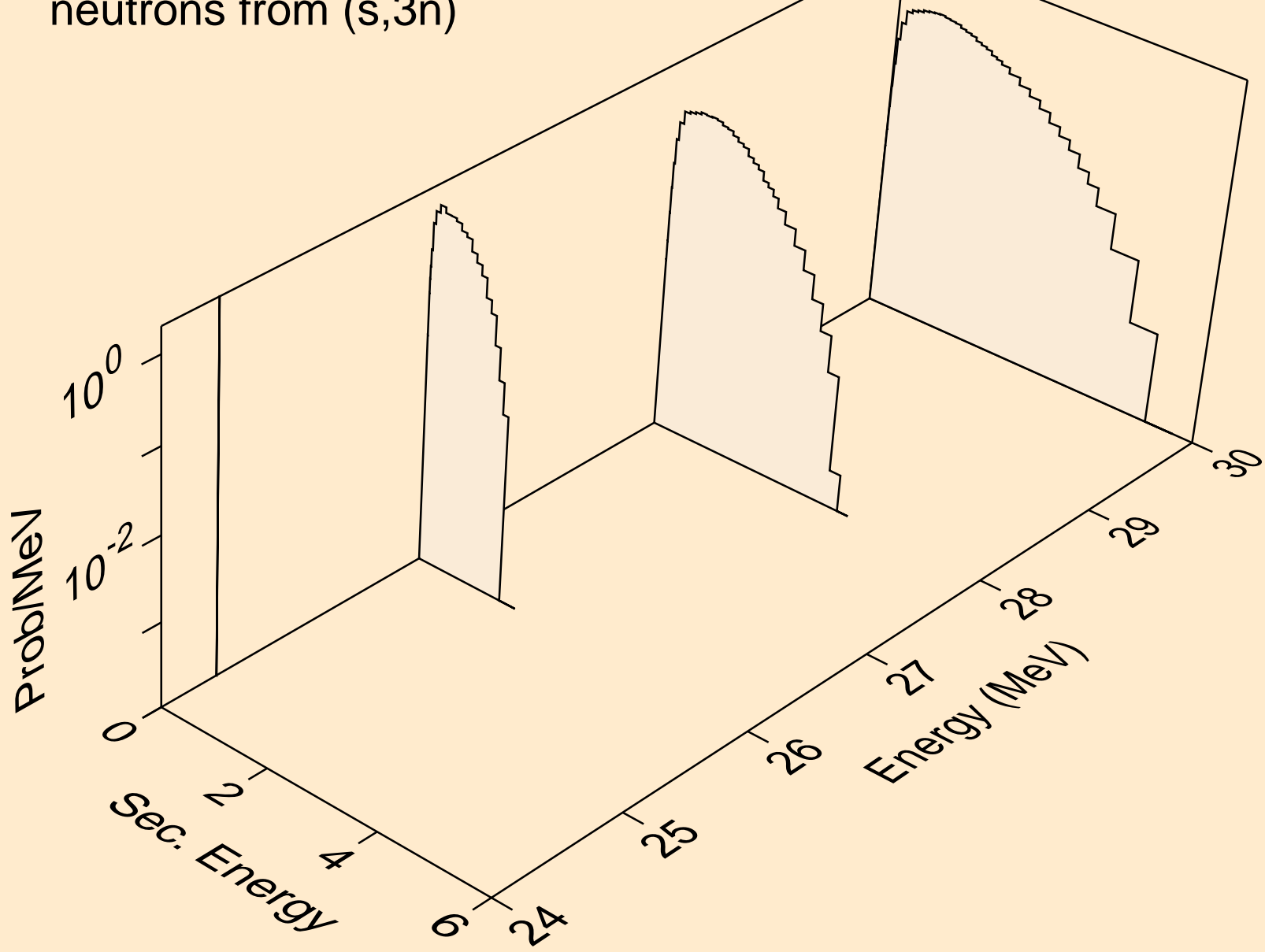
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neutrons from (s,2nd)



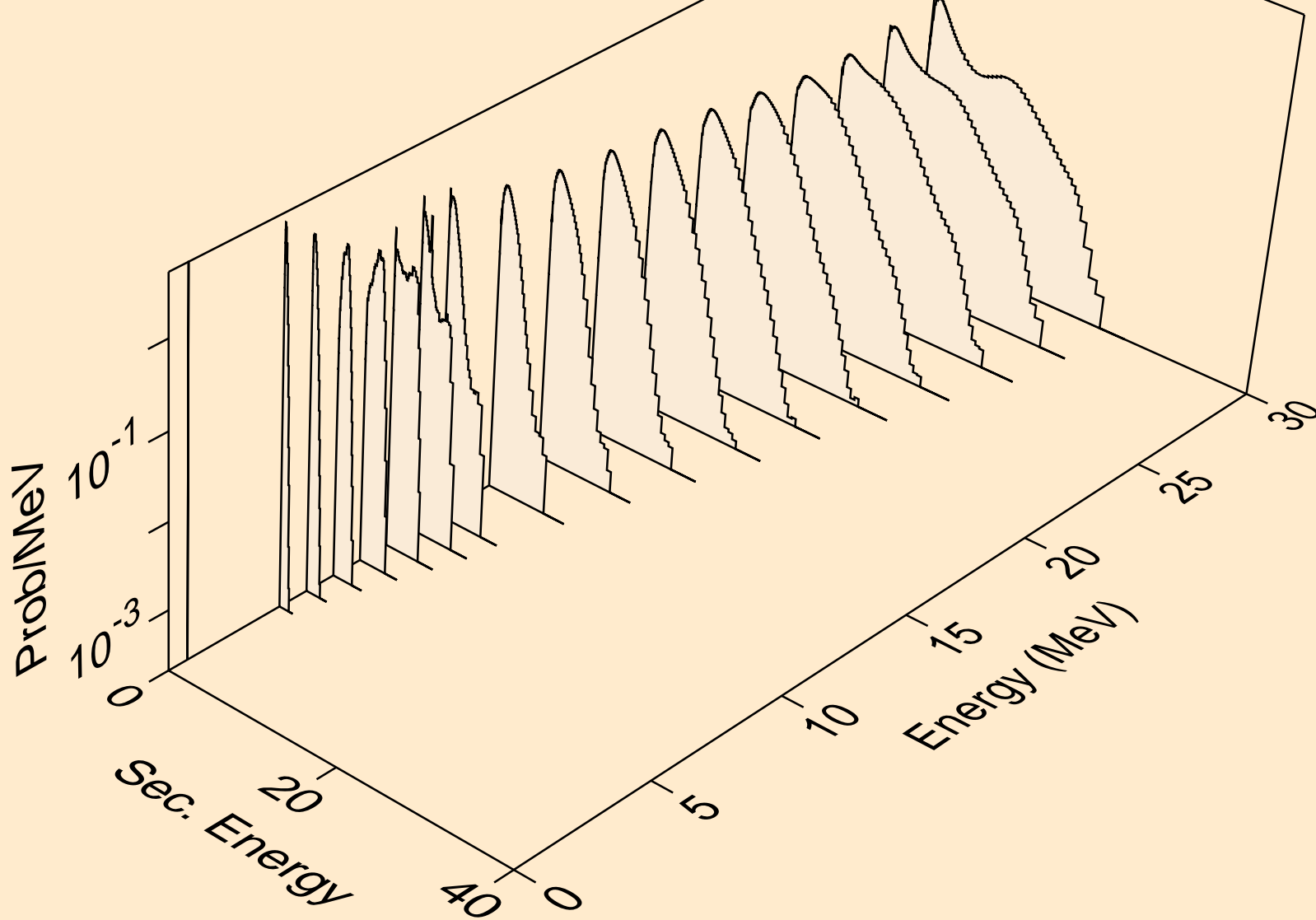
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neutrons from (s,2n)



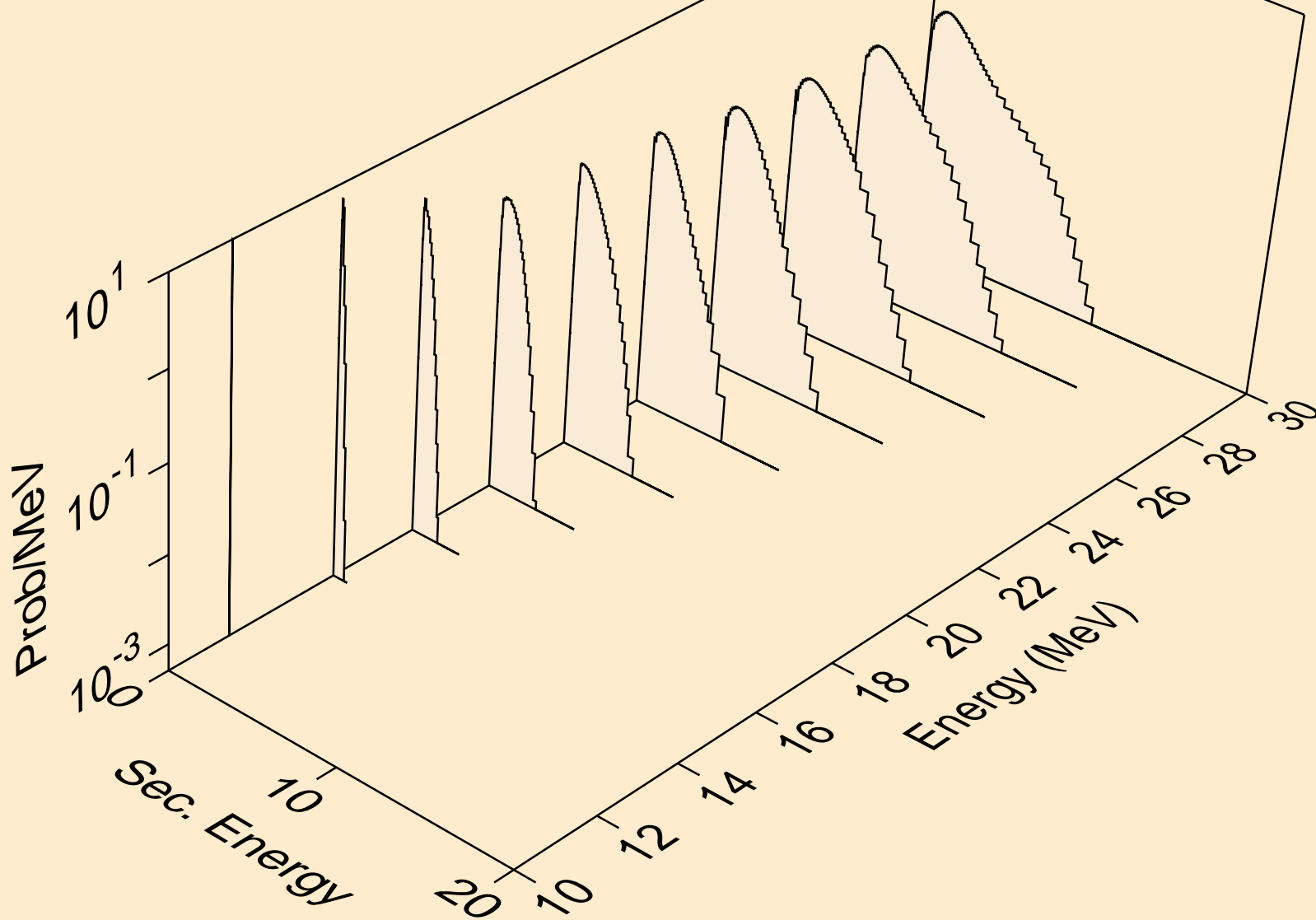
NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3n)



NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a

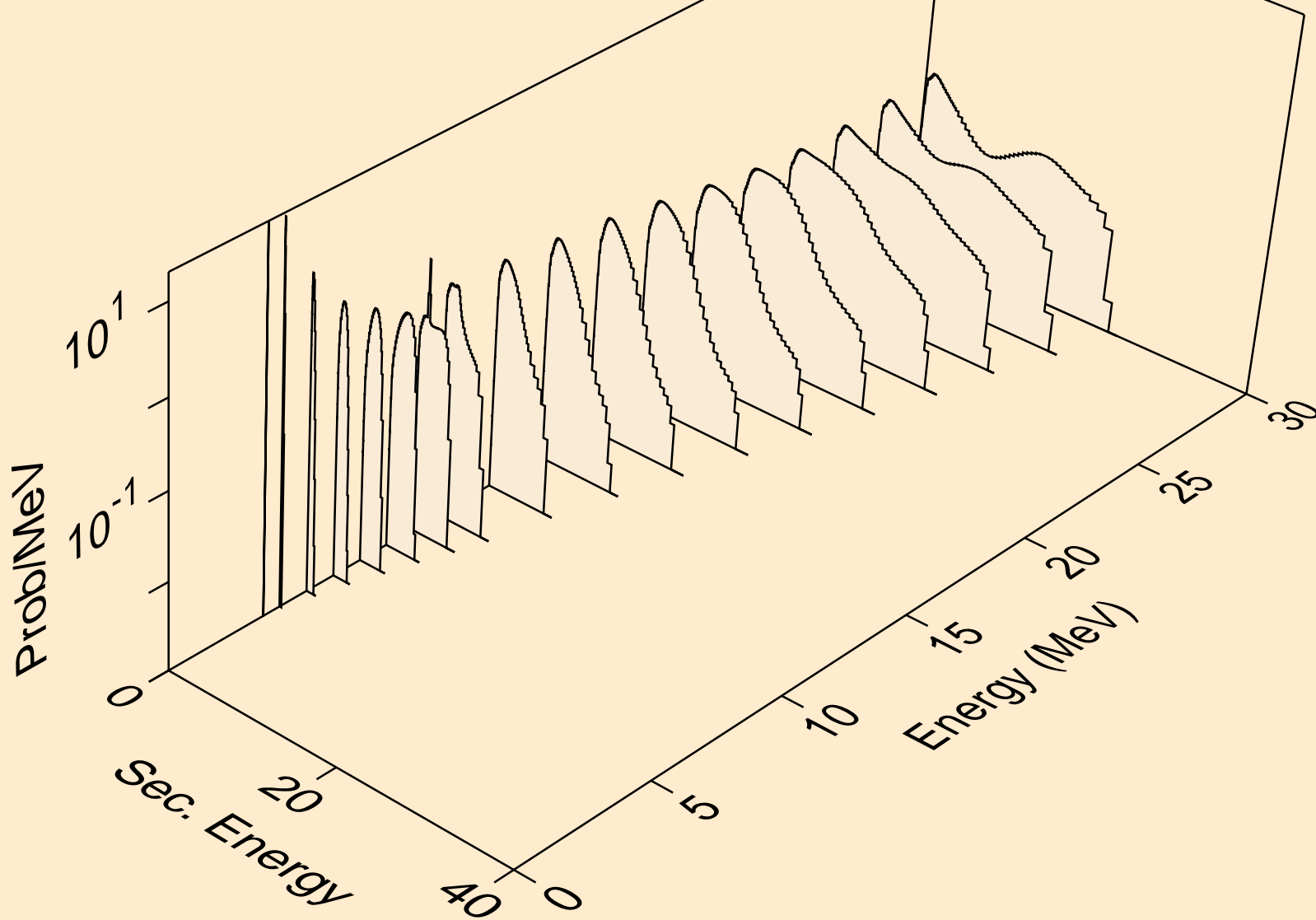


NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)a

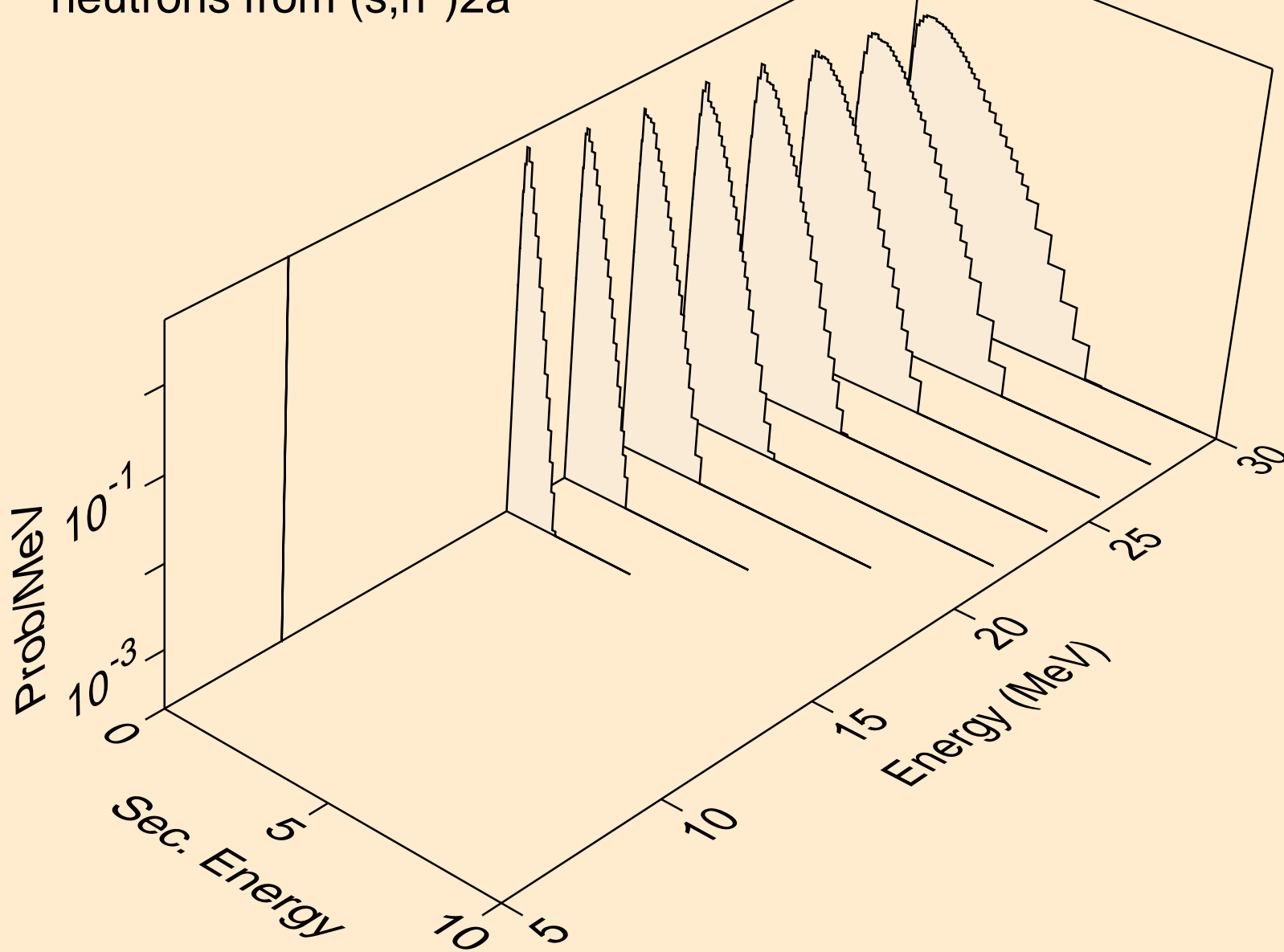




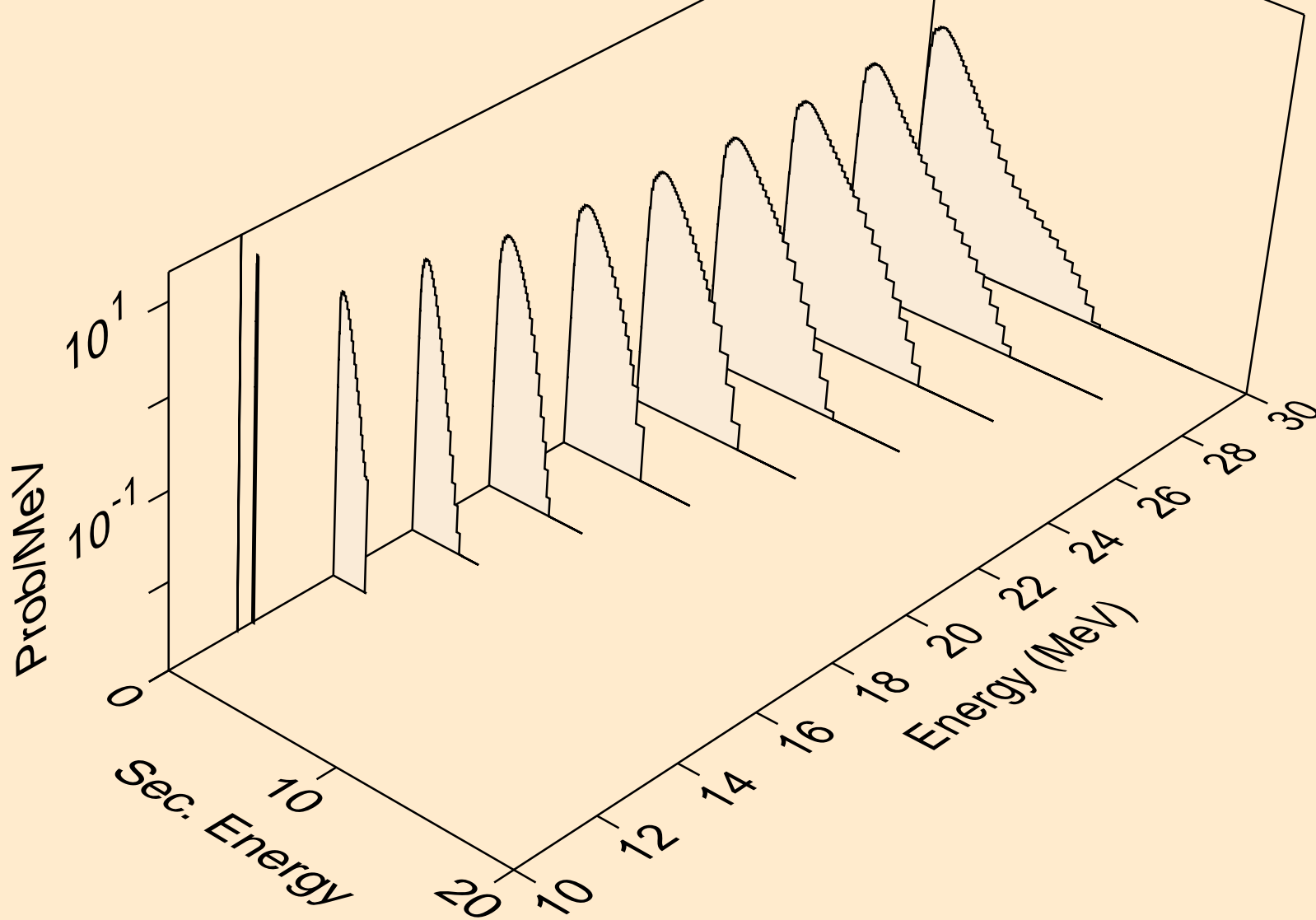
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neutrons from (s,n\*)p



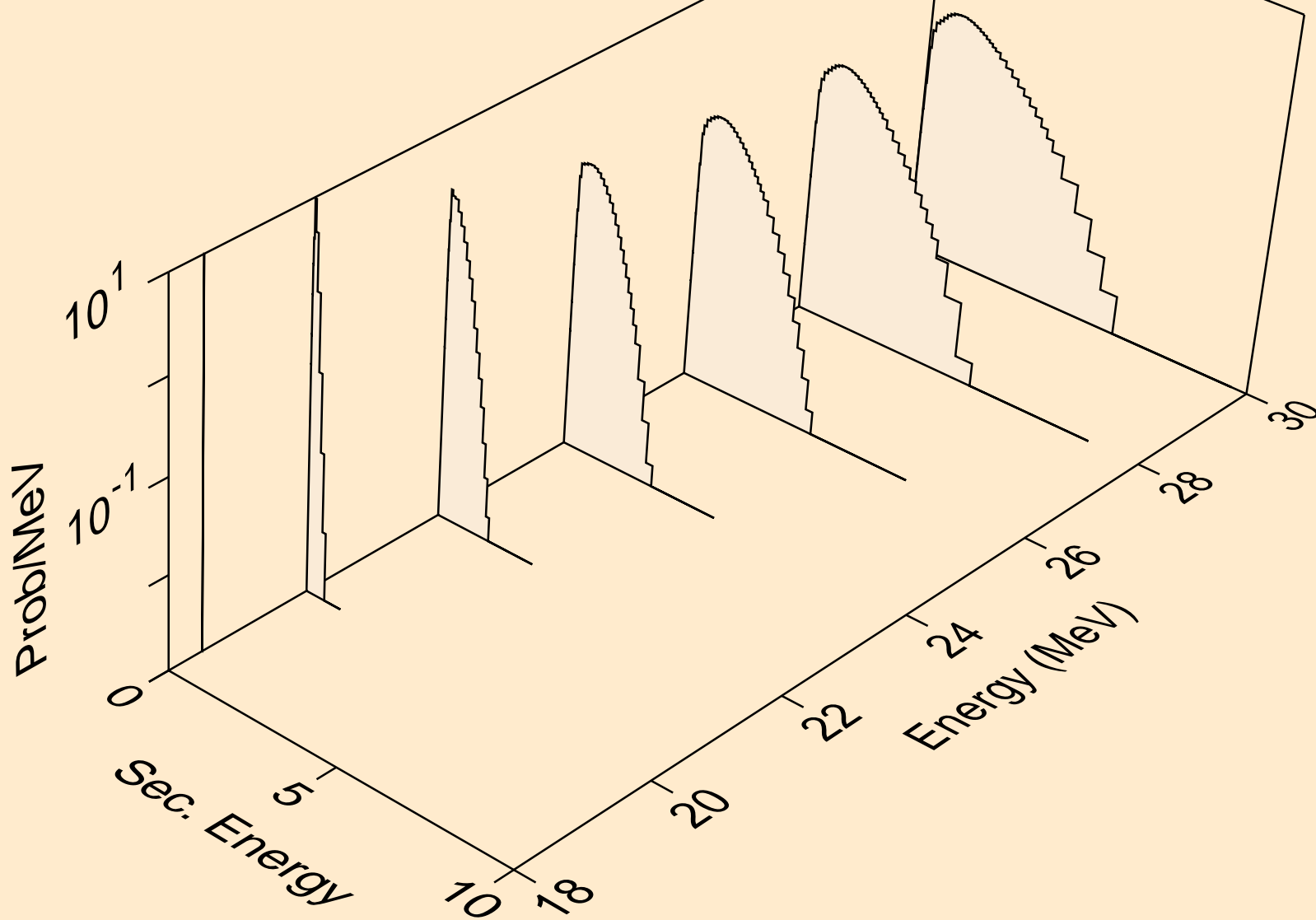
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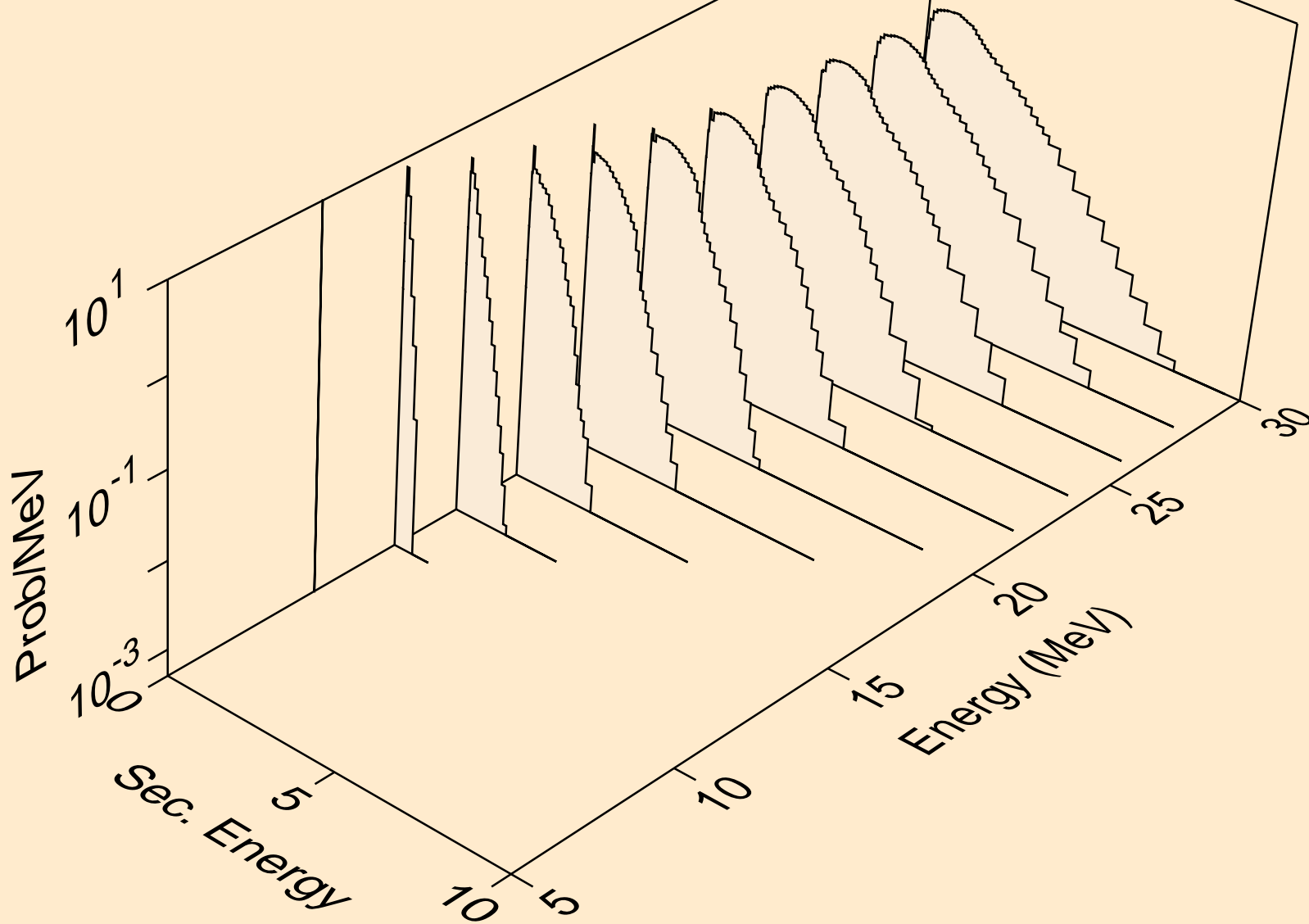
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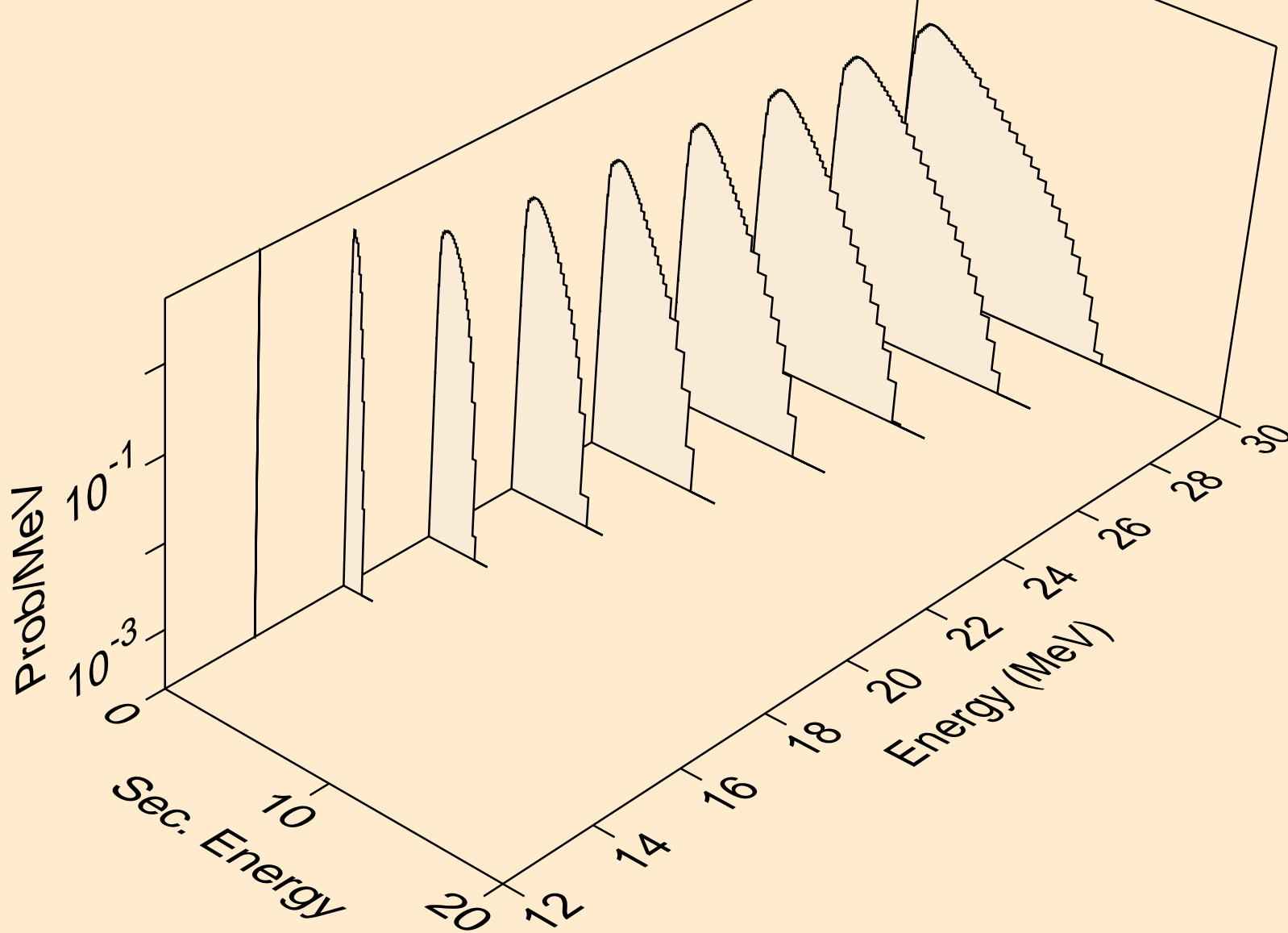
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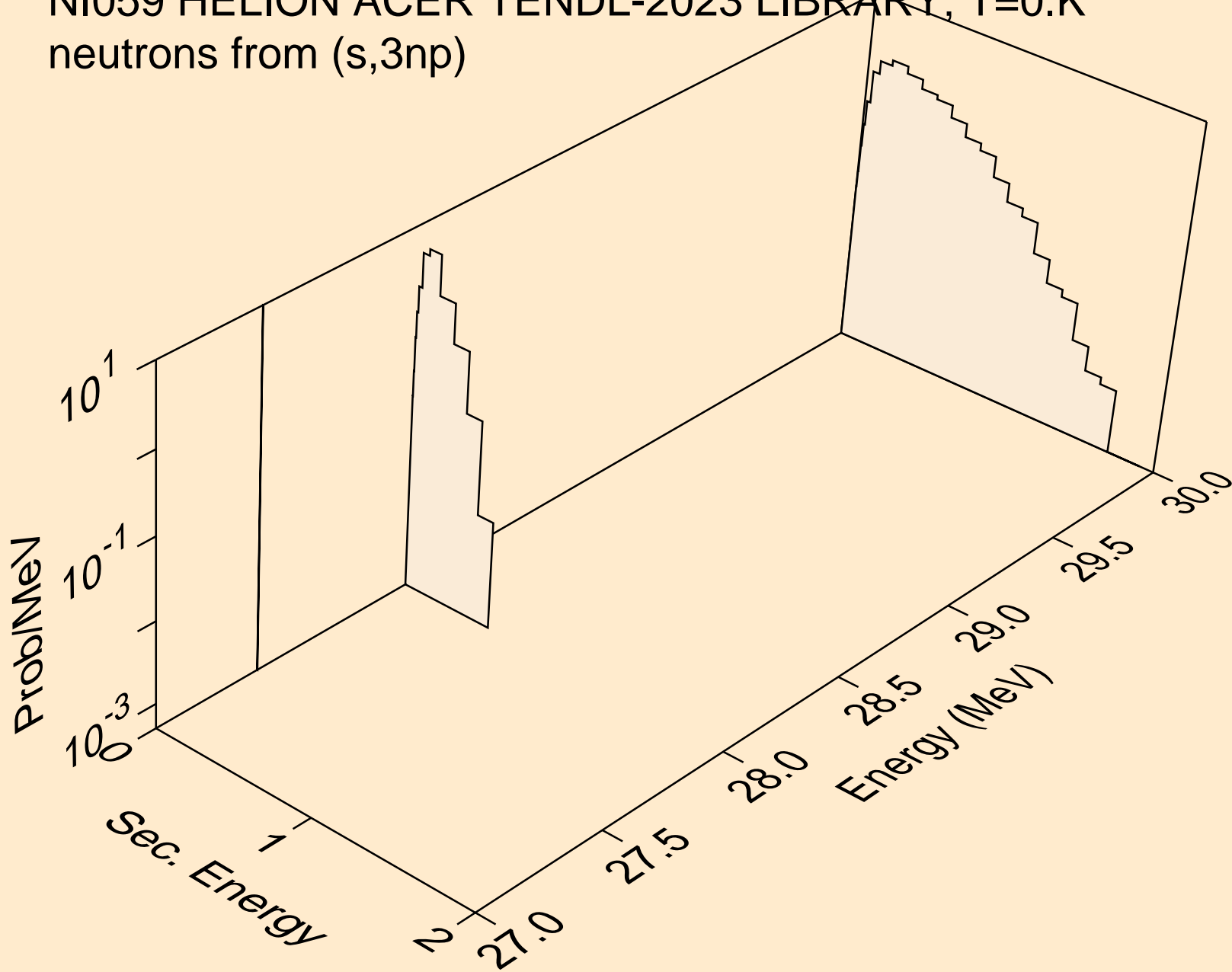
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neutrons from (s,n\*)he3



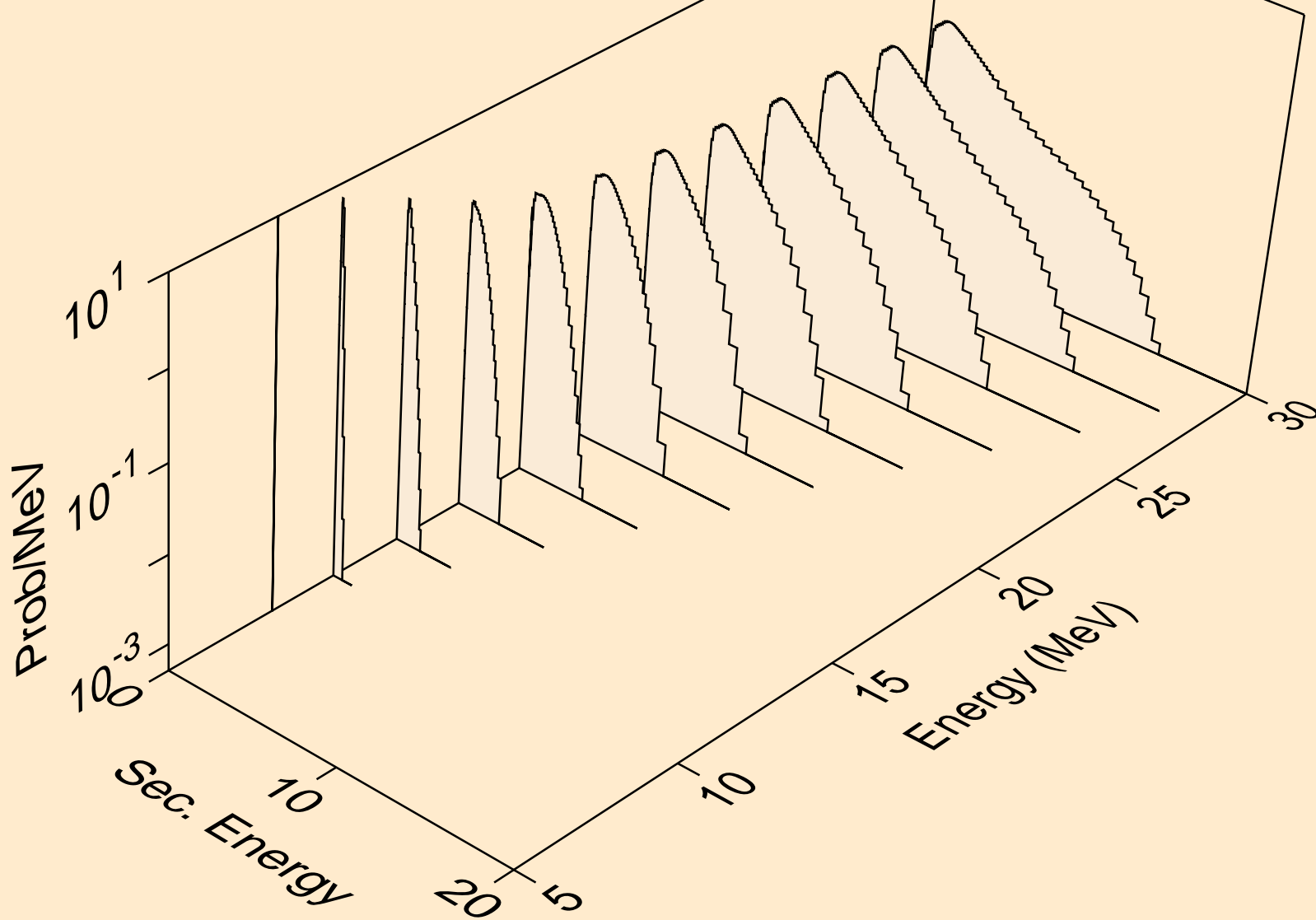
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neutrons from (s,2np)



NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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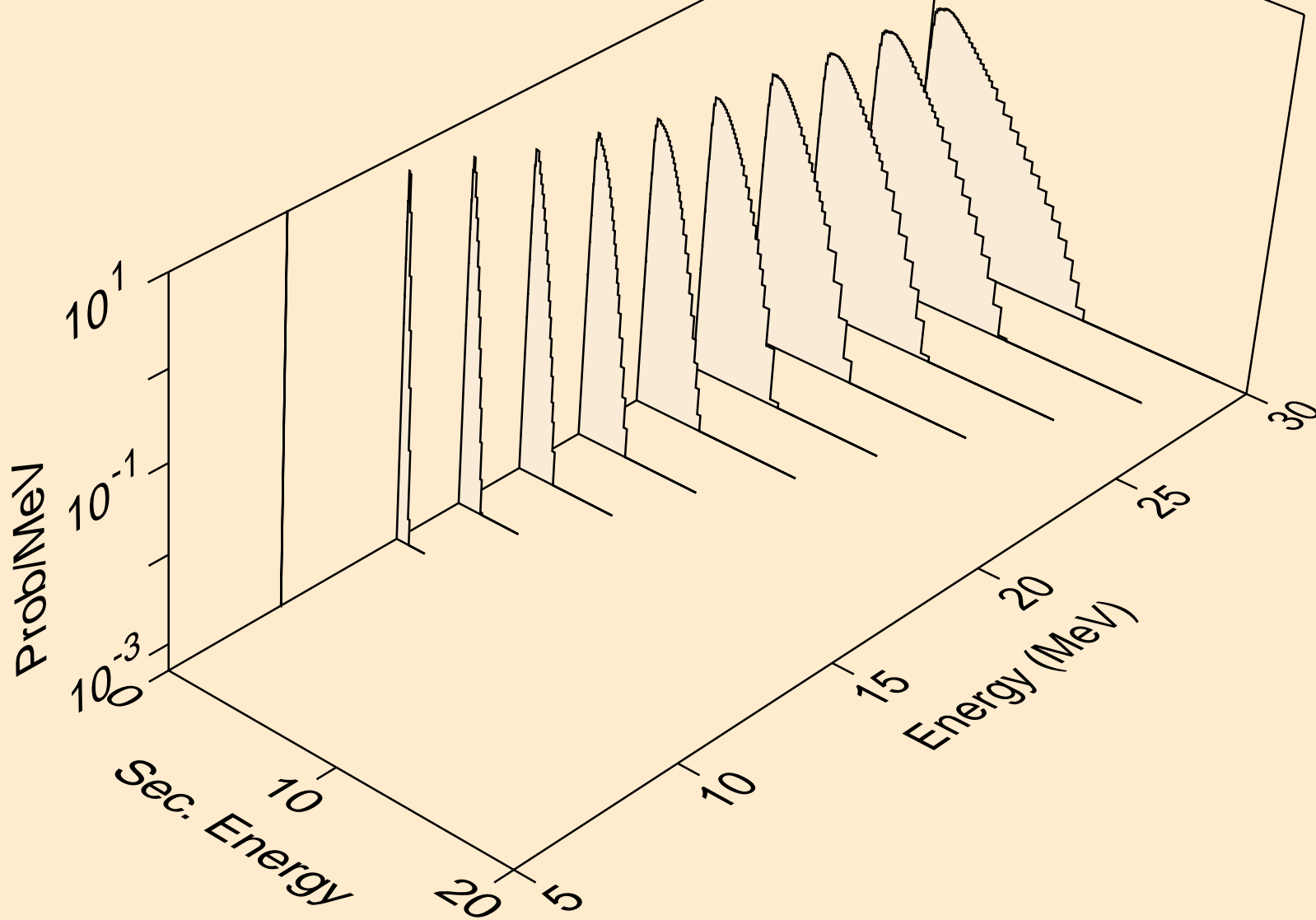


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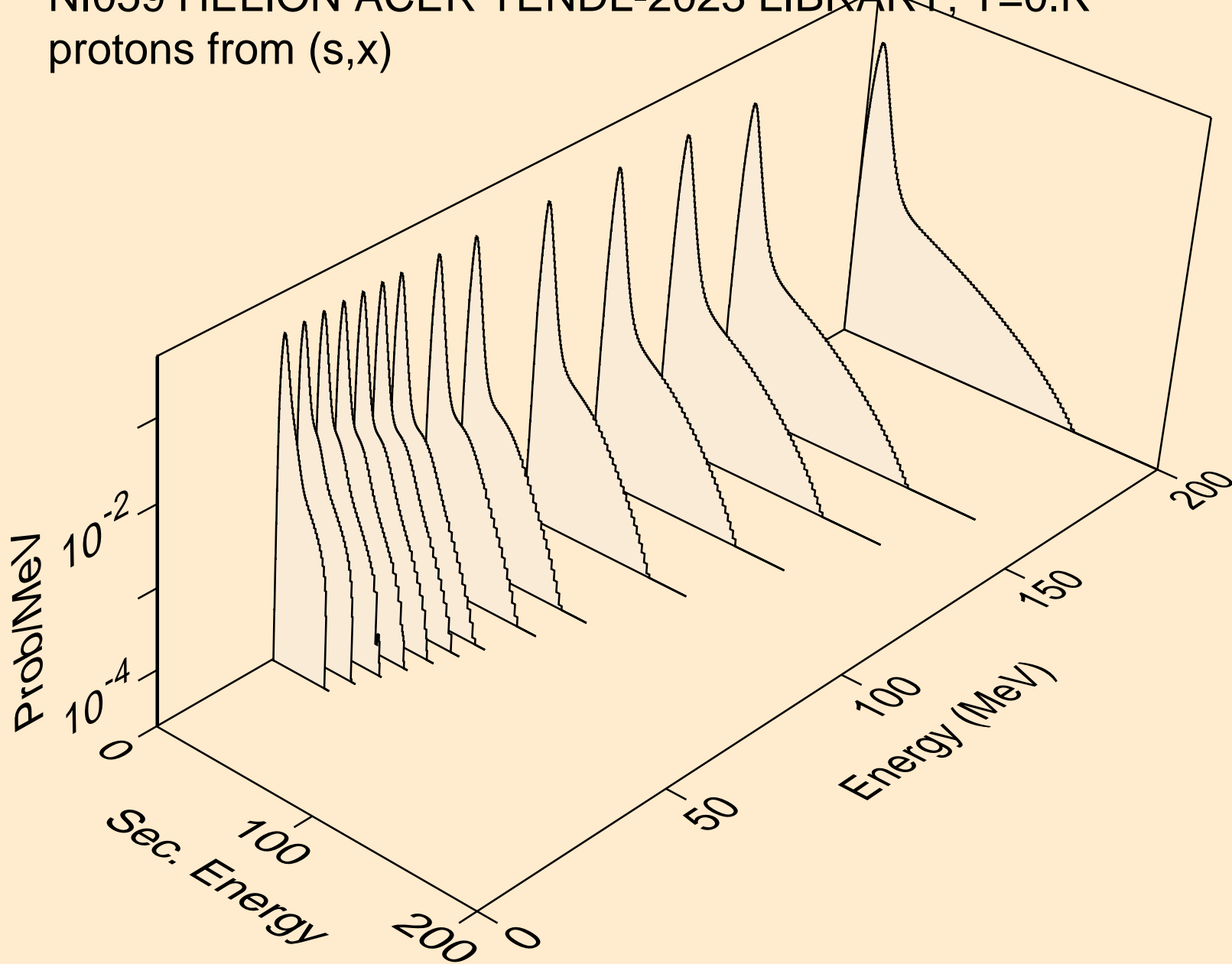




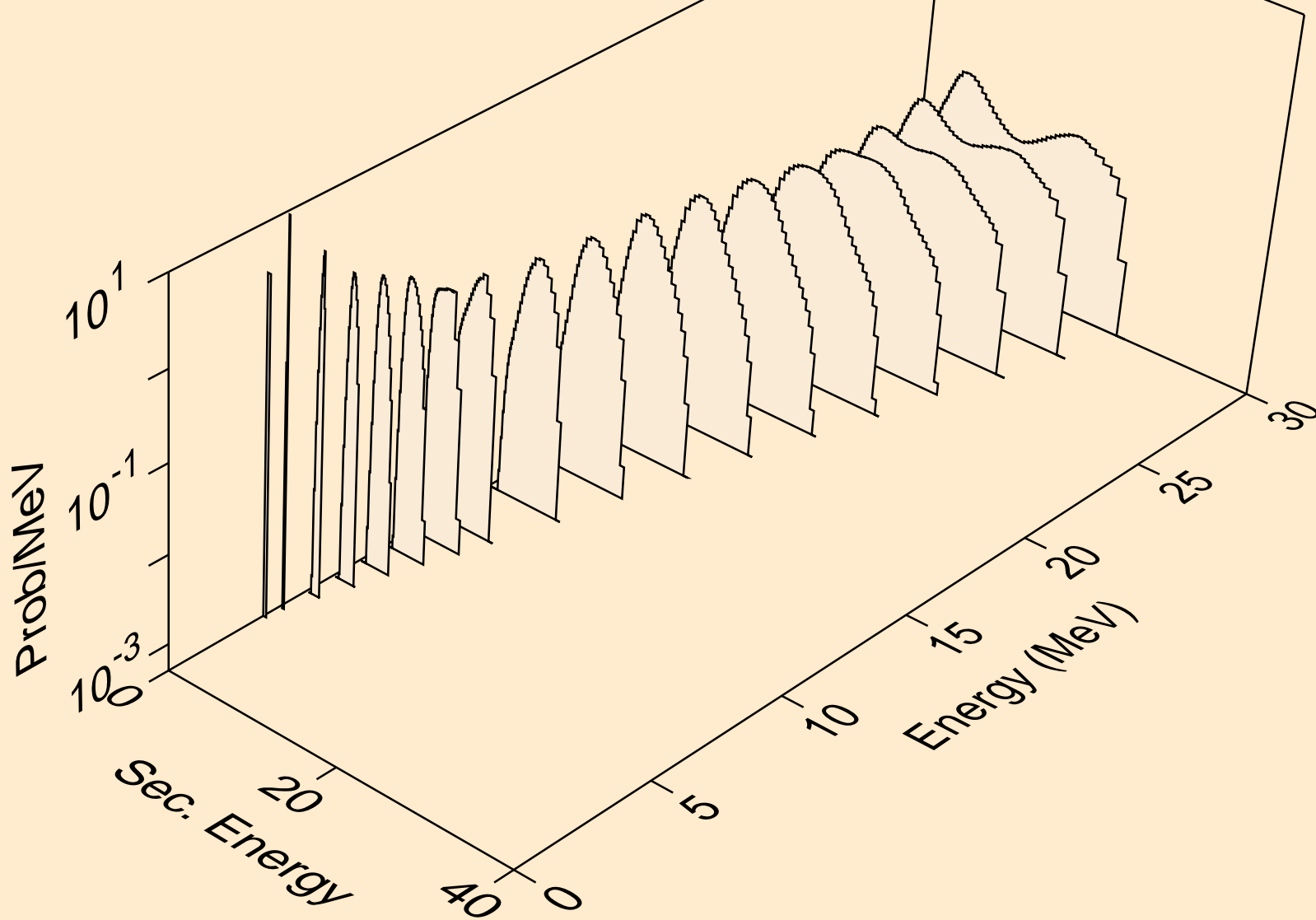
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neutrons from (s,npa)



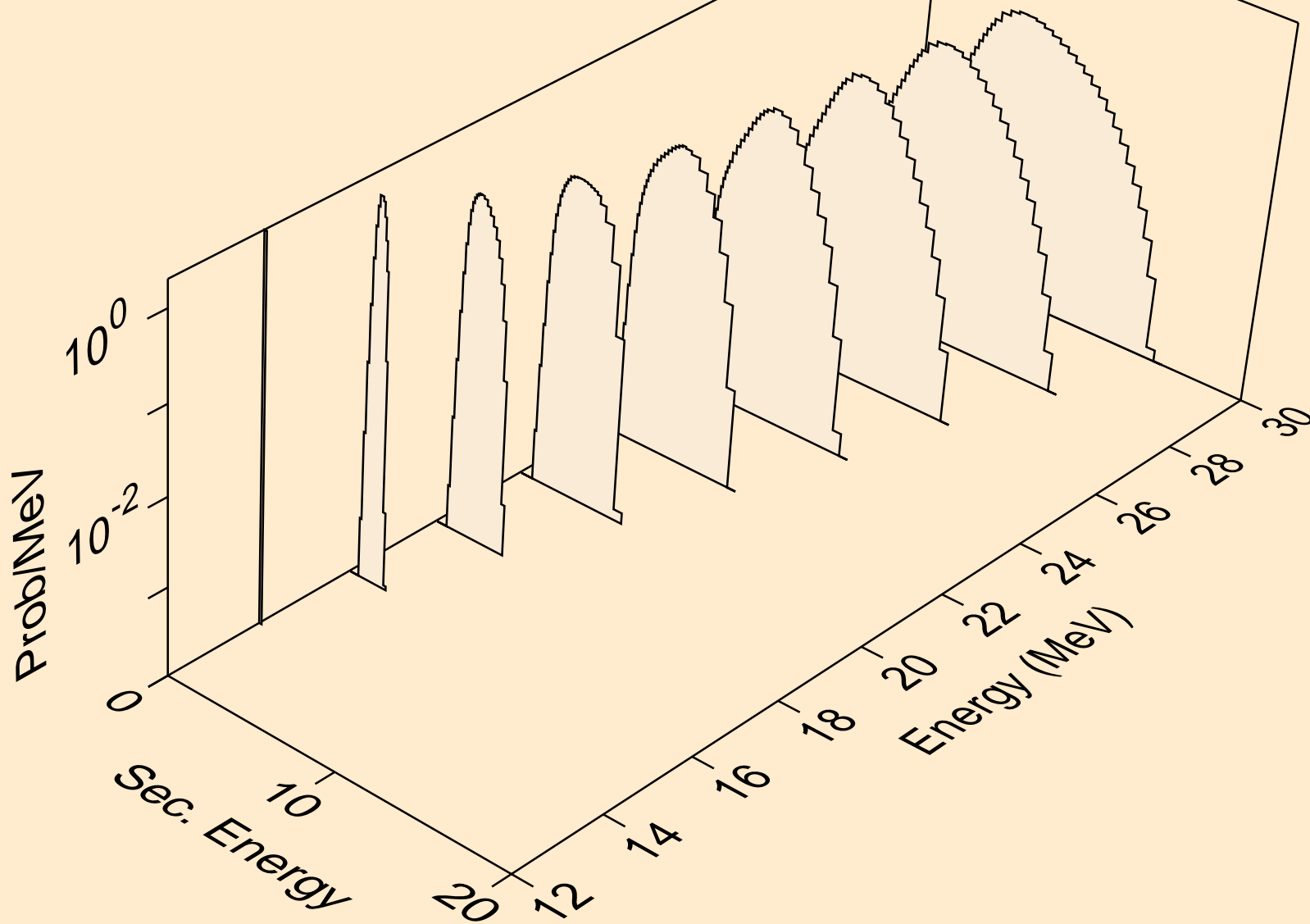
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protons from (s,x)



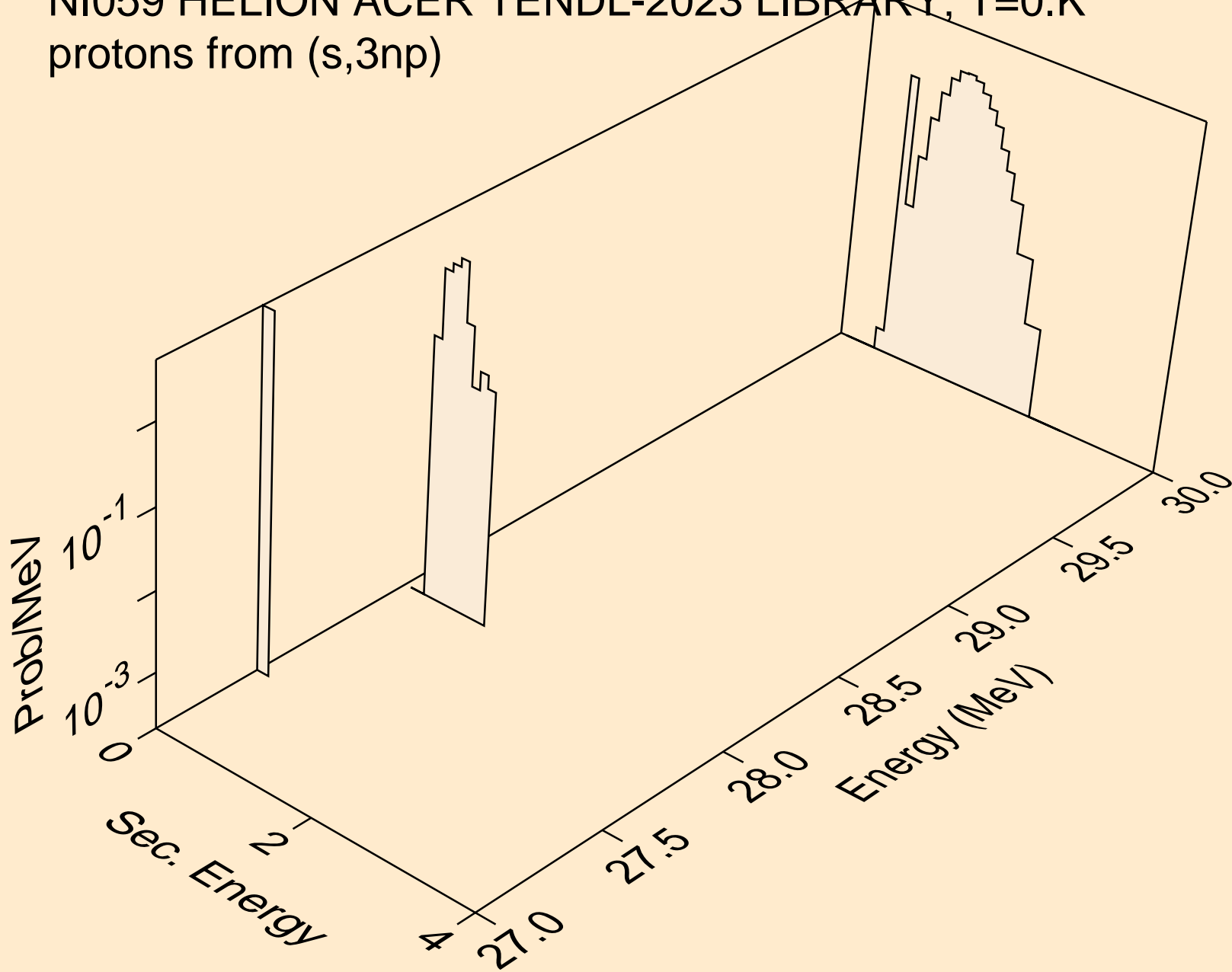
NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,n\*)p



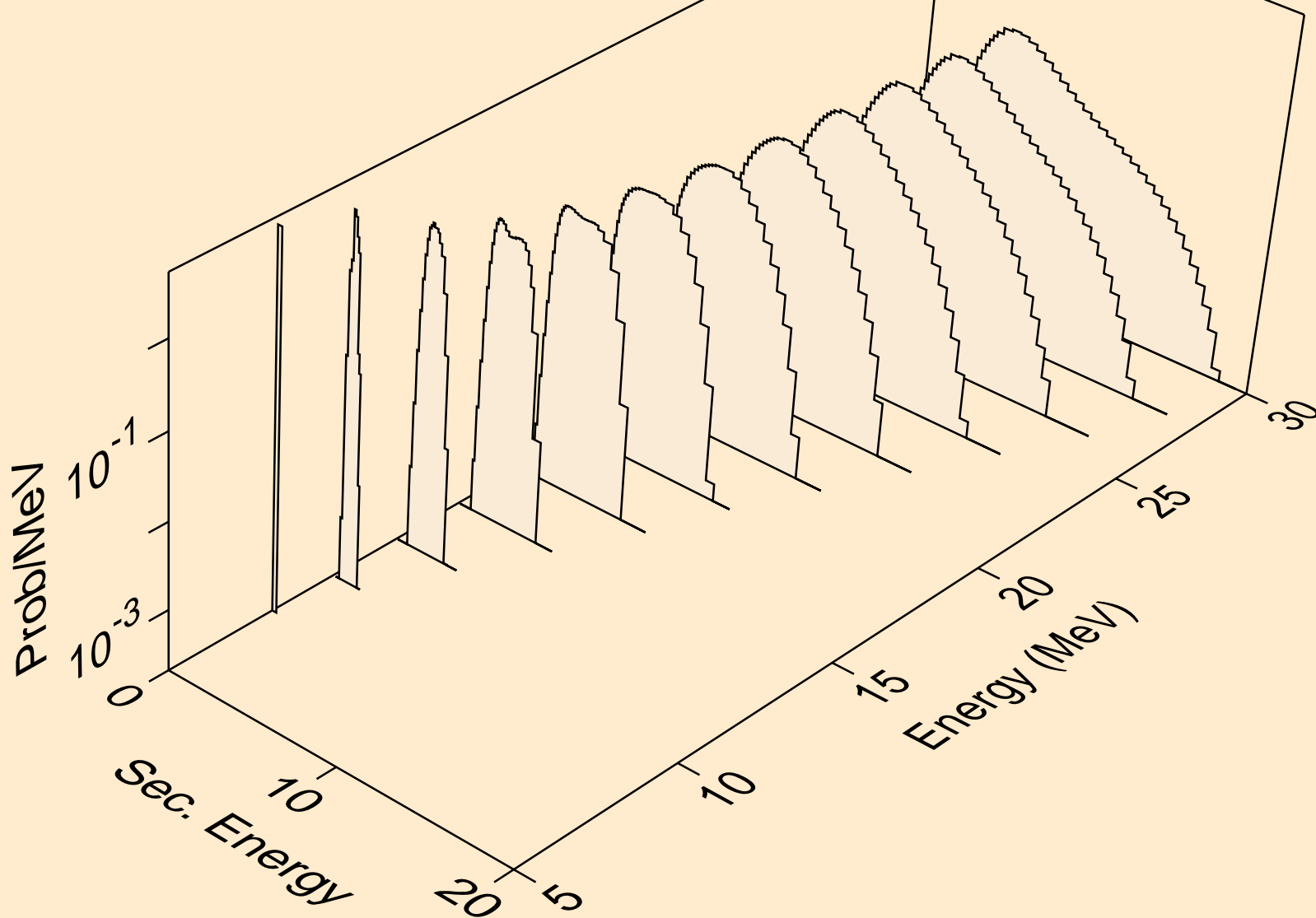
NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,2np)



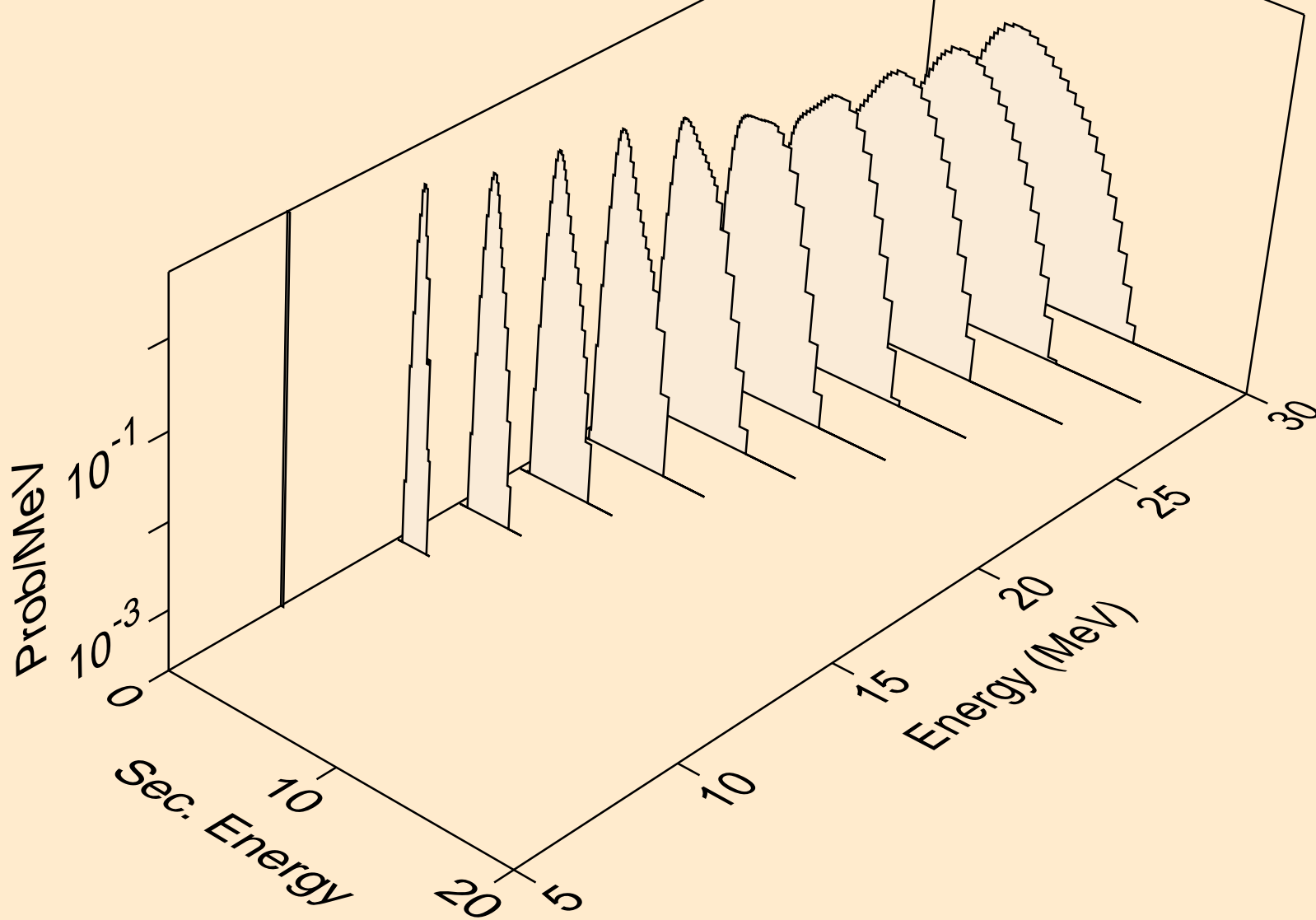
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protons from (s,3np)



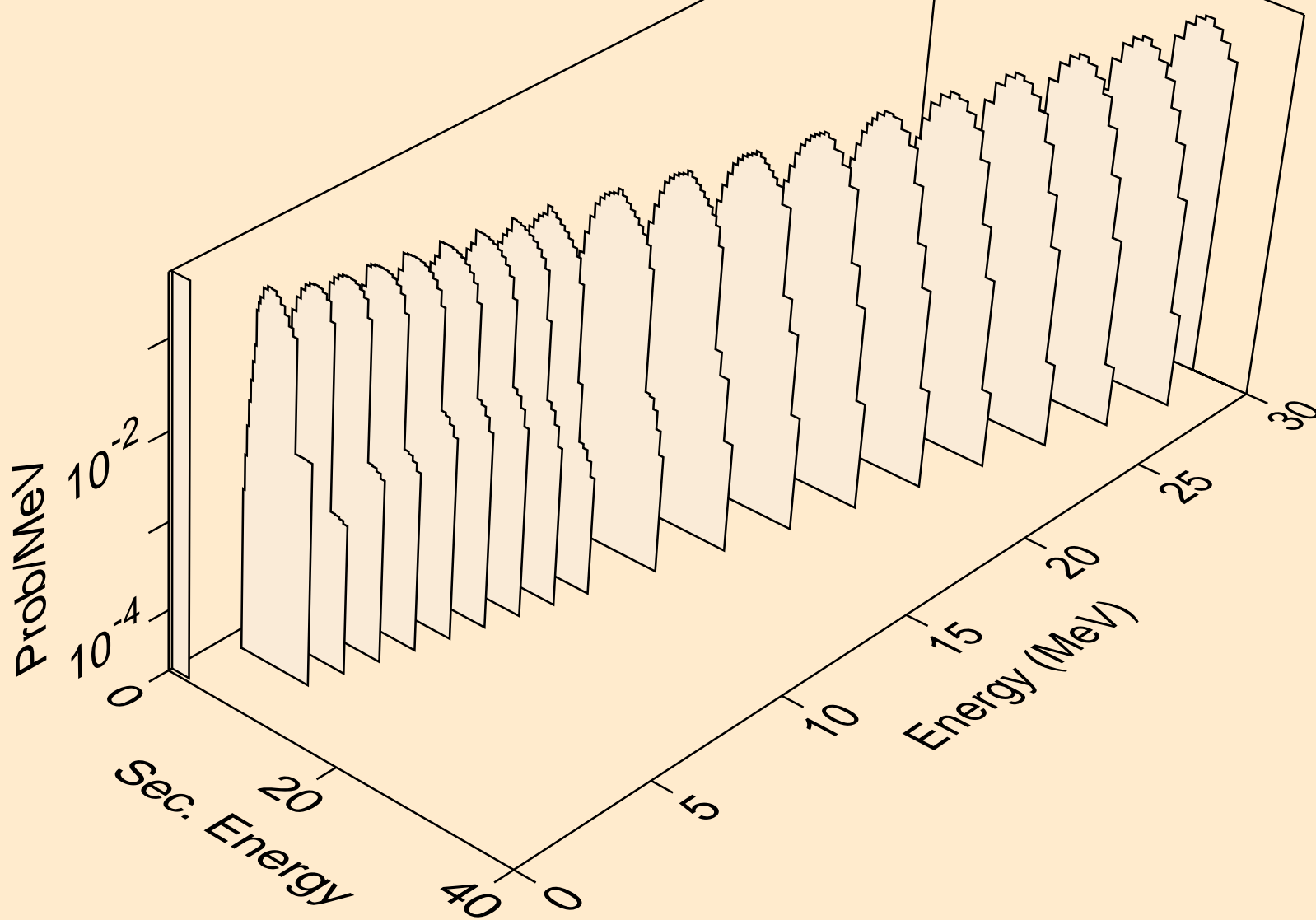
NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,n2p)



NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,npa)

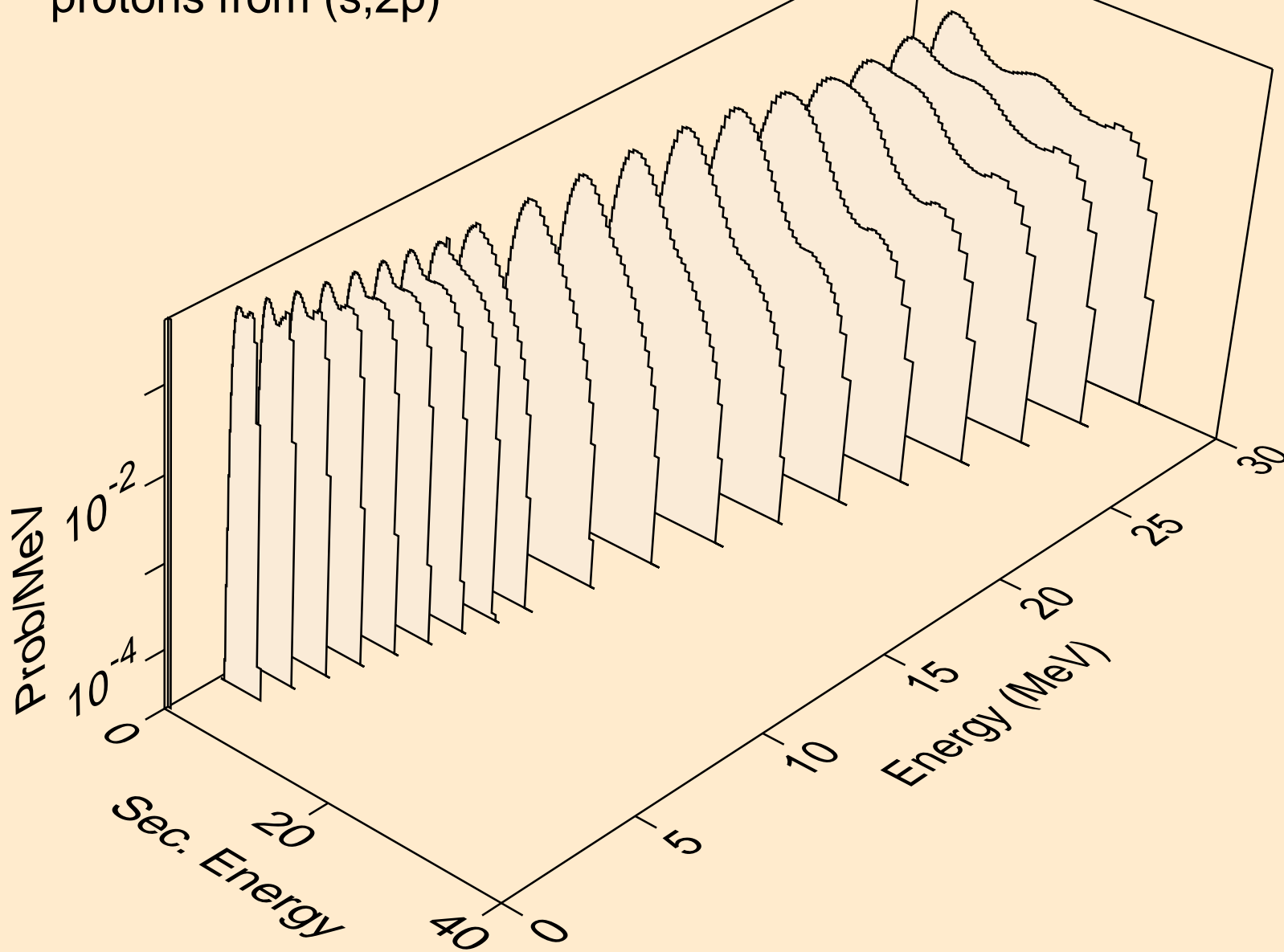


NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,p)

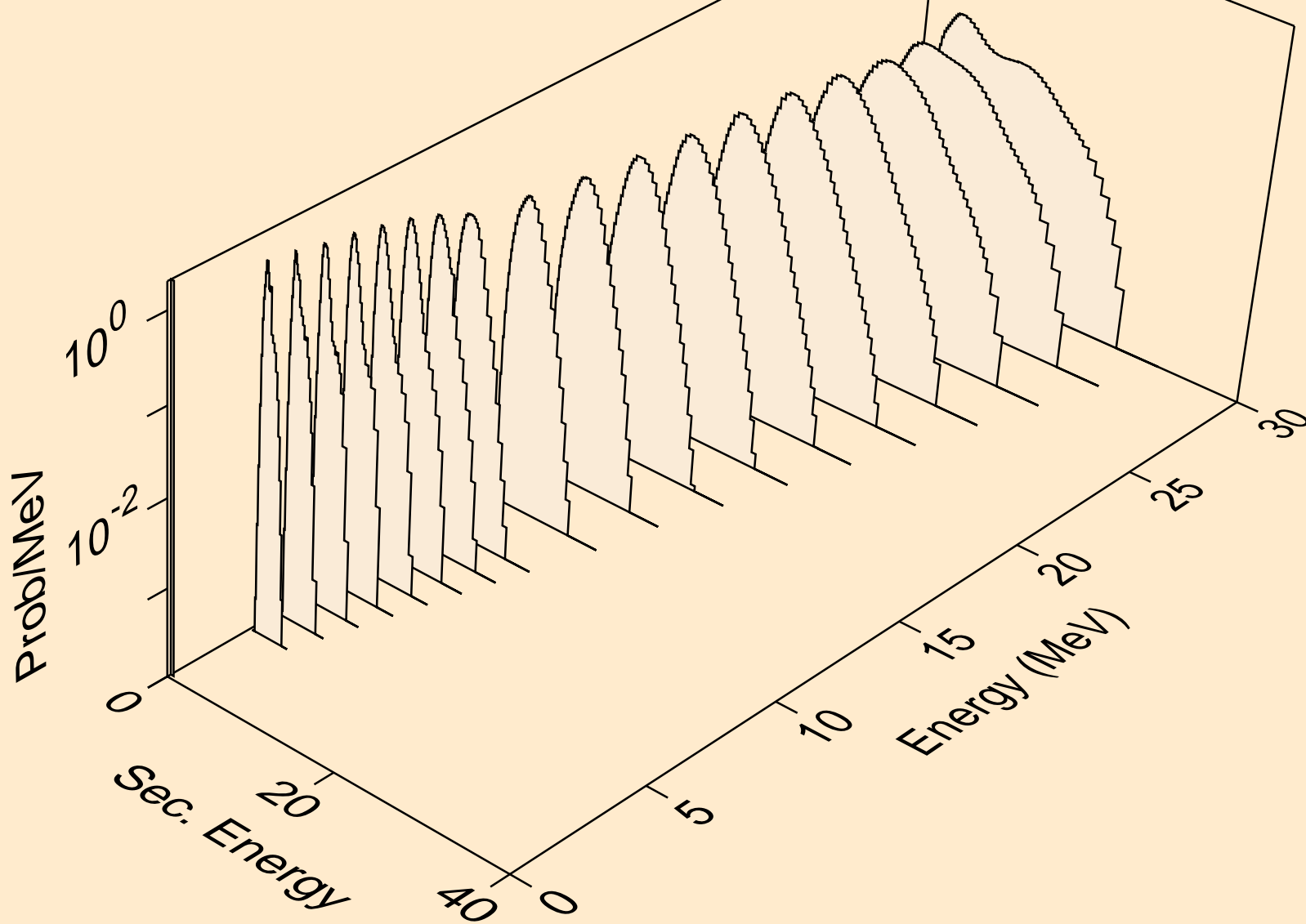




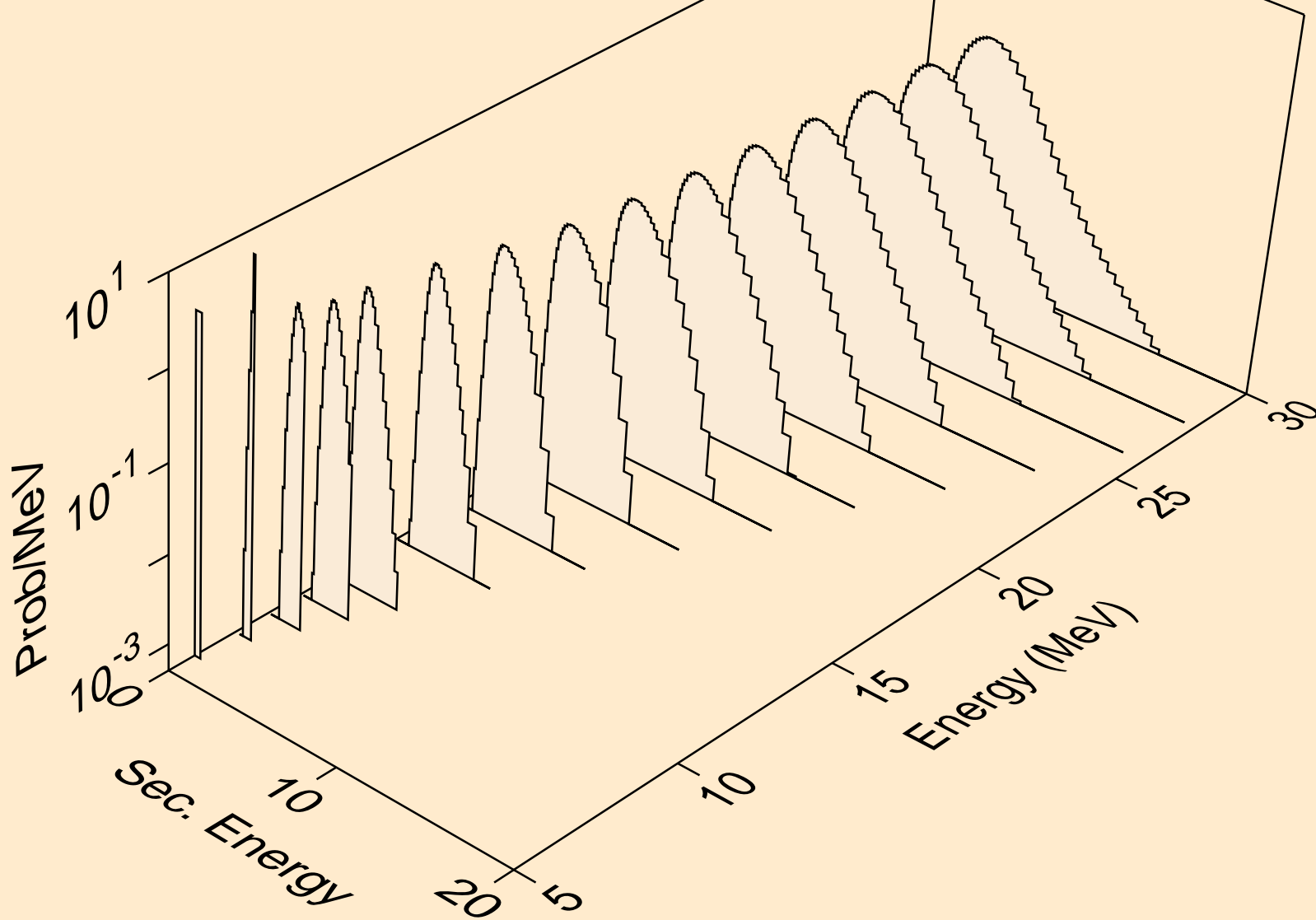
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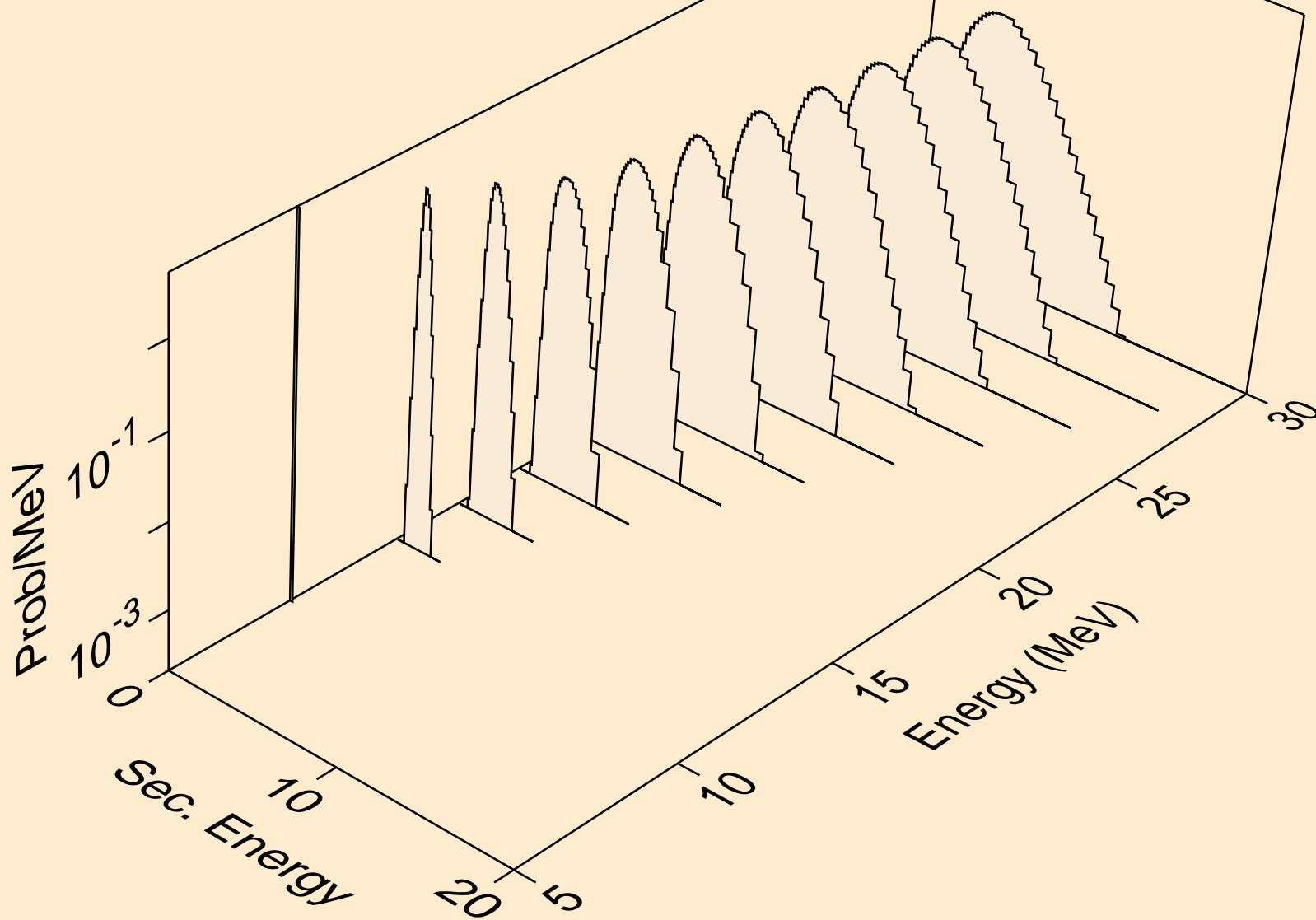
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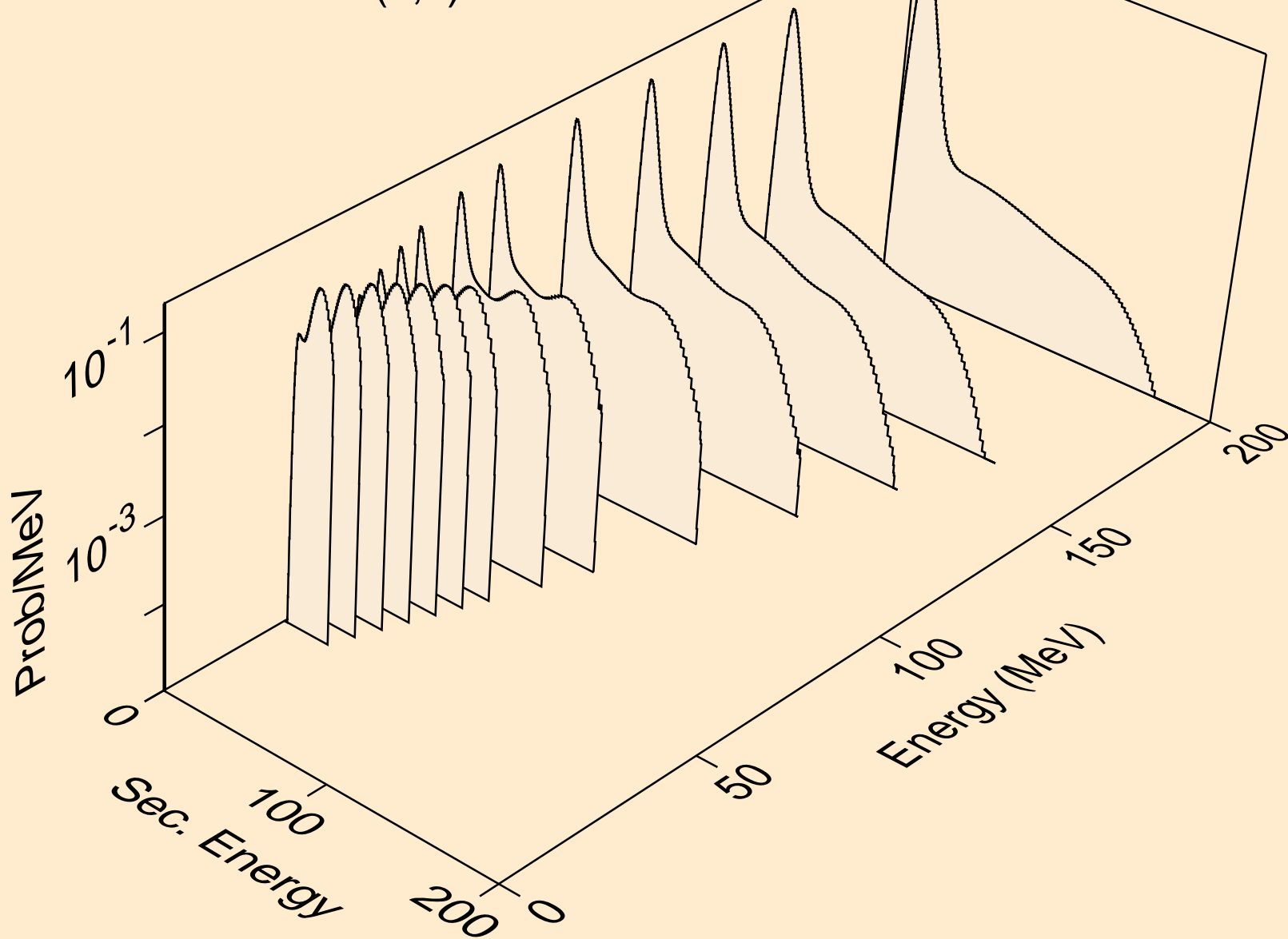
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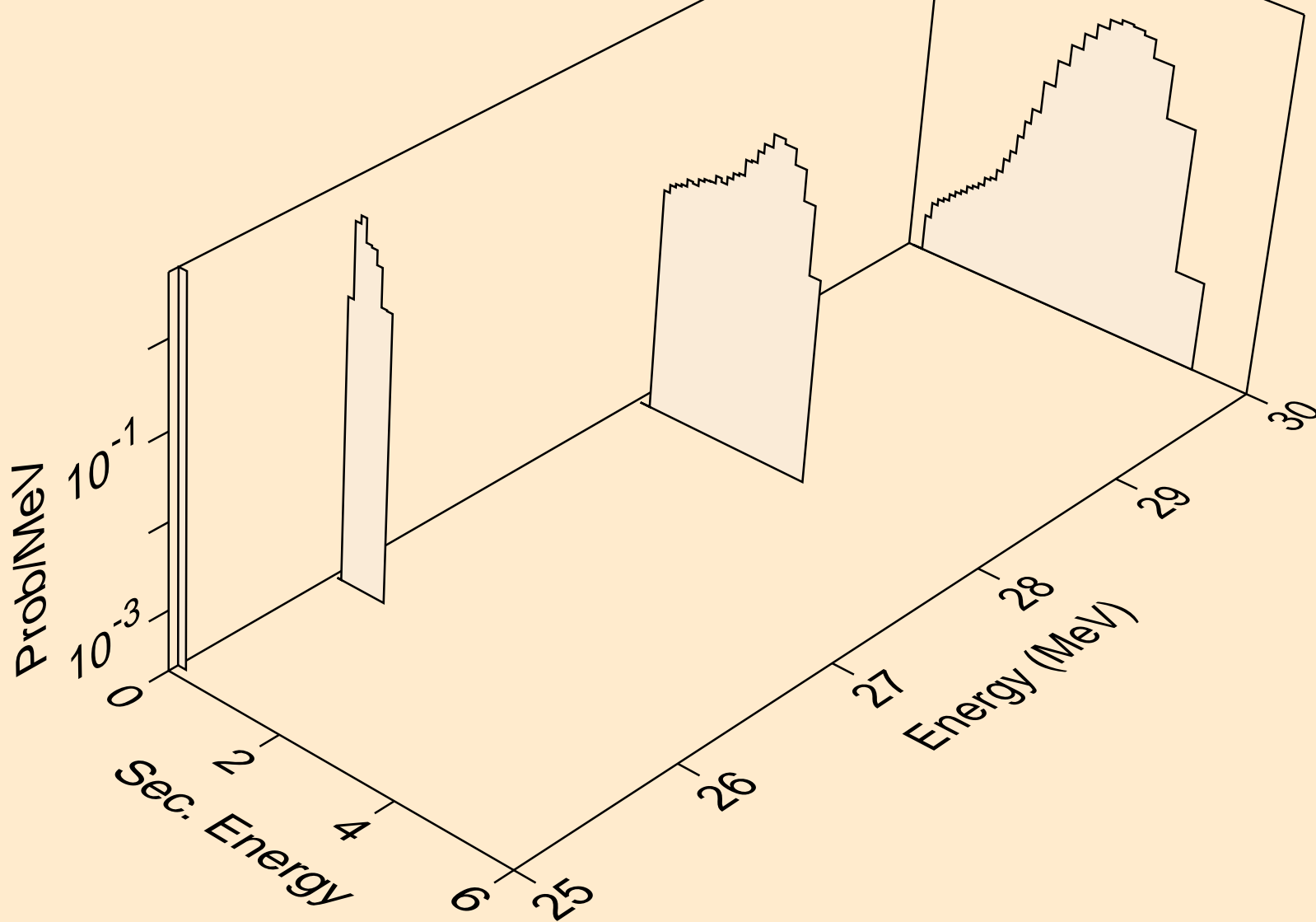
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protons from (s,pt)



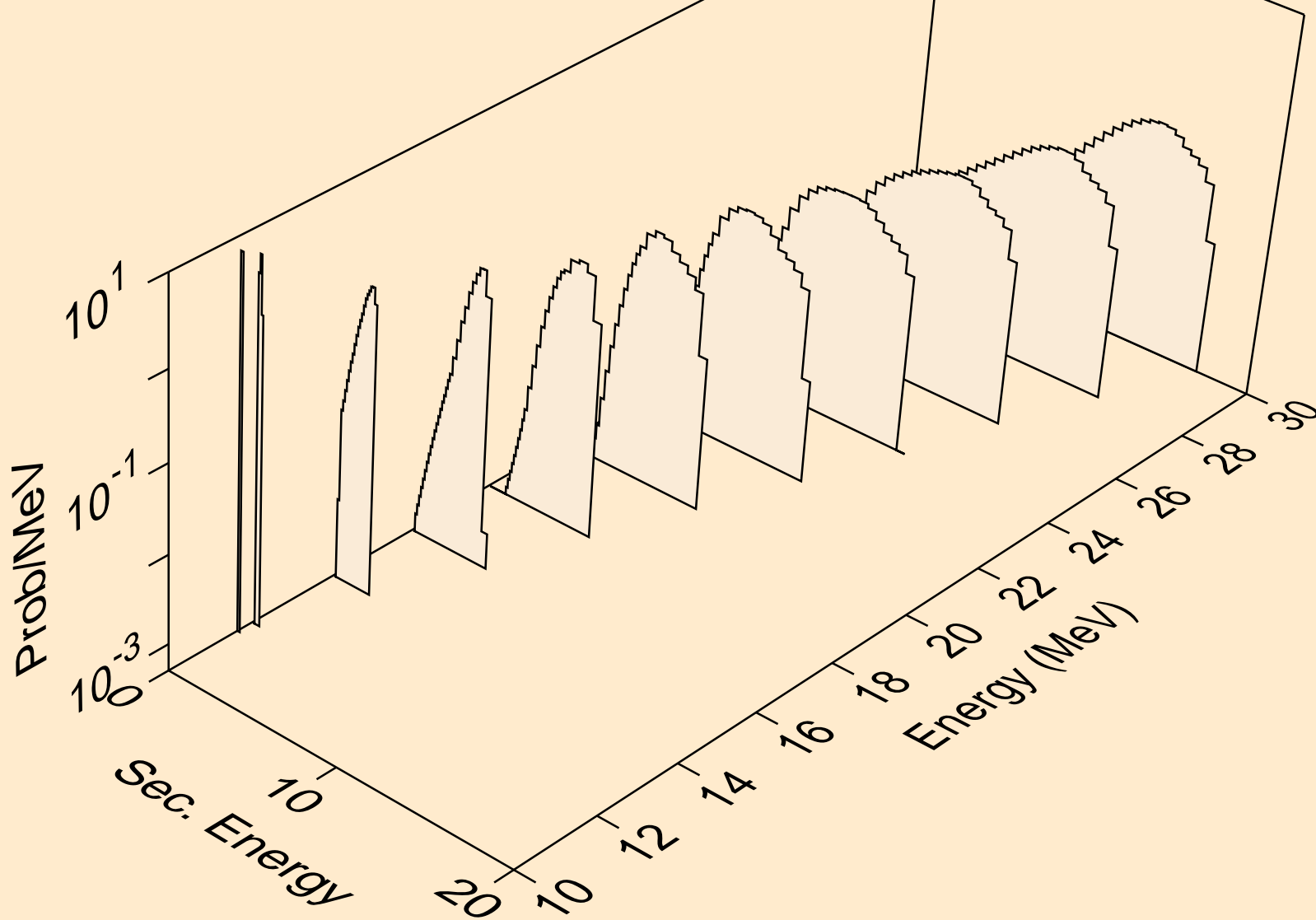
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deuterons from (s,x)



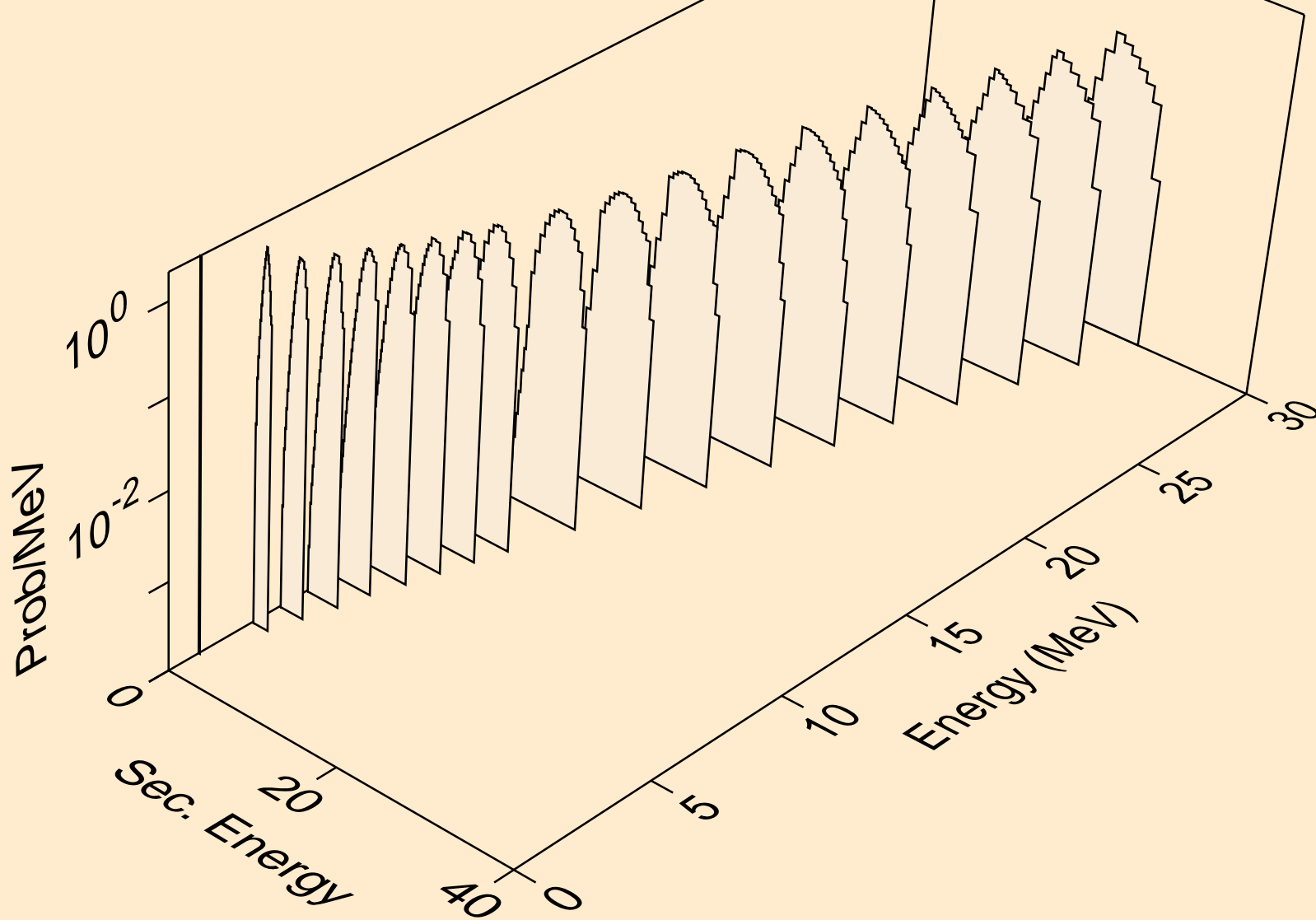
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deuterons from (s,2nd)



NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,n\*)d

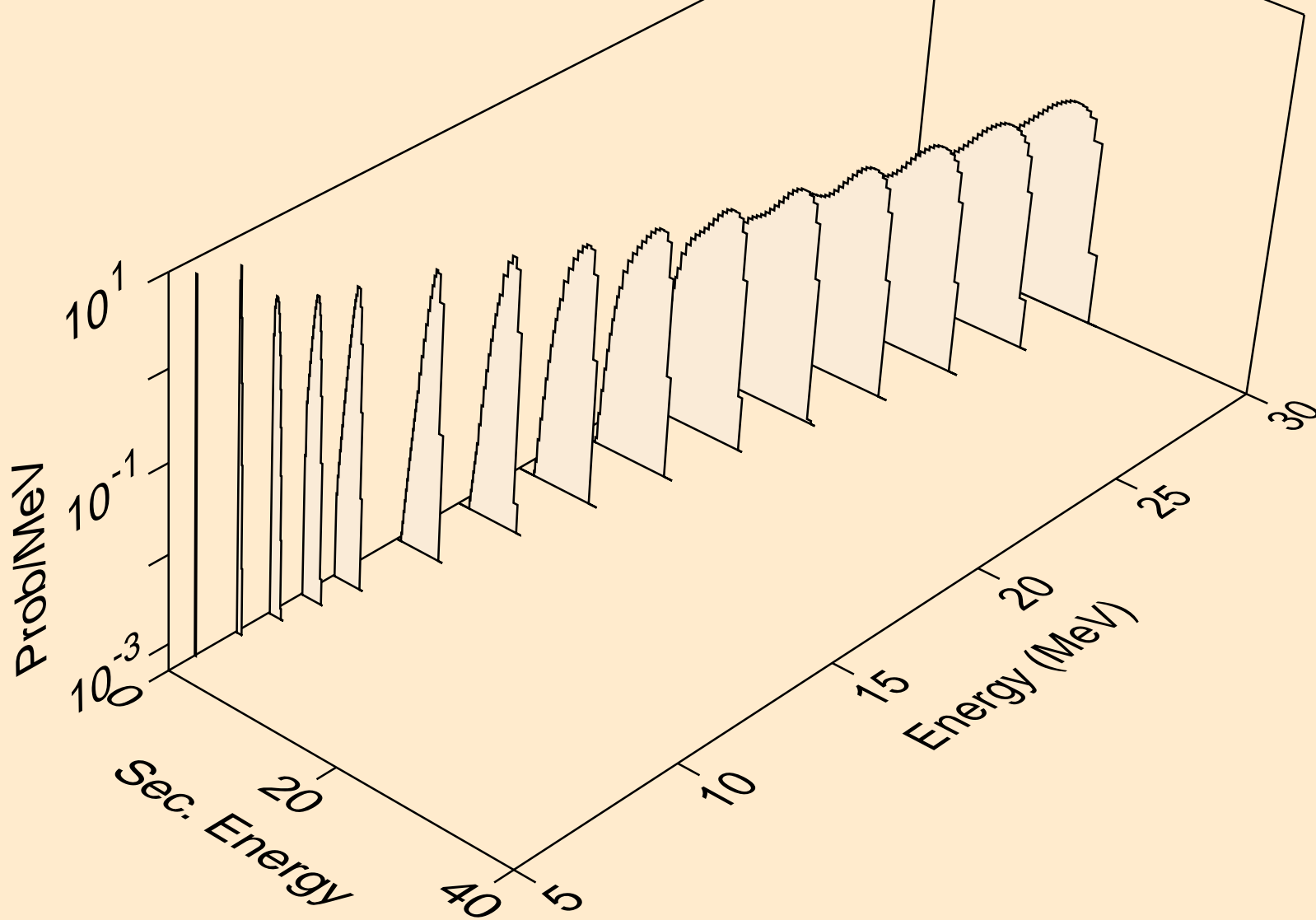


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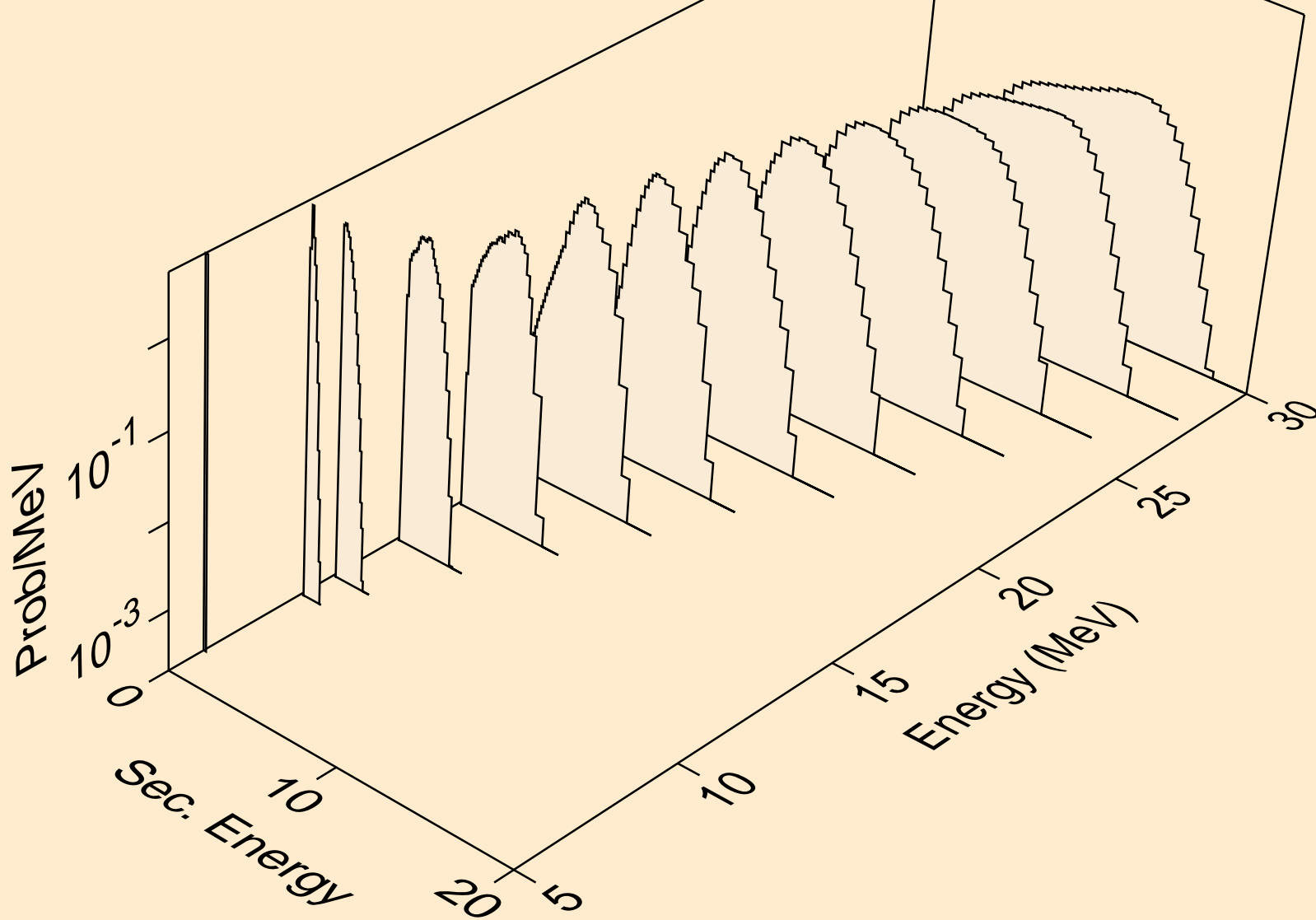




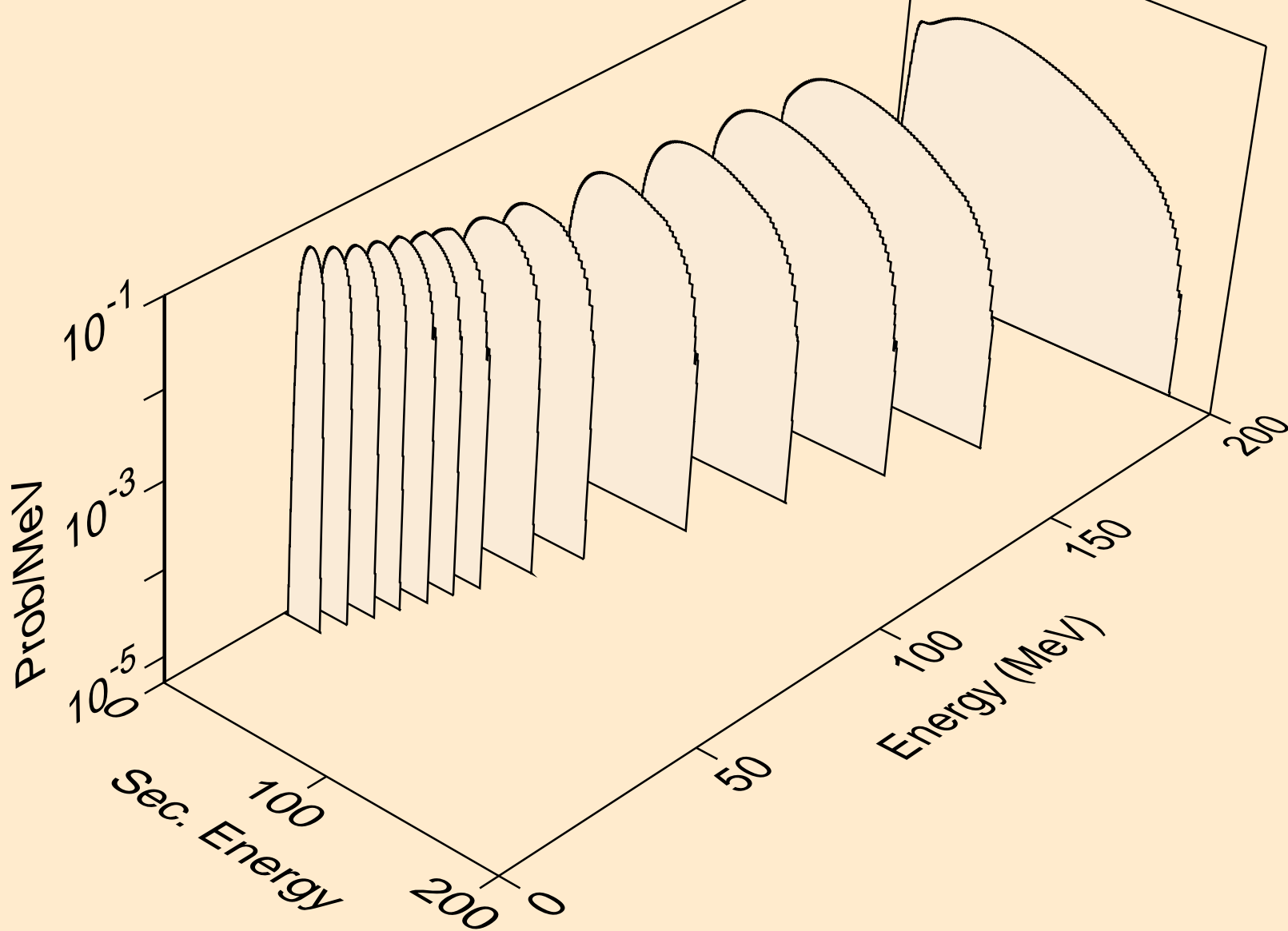
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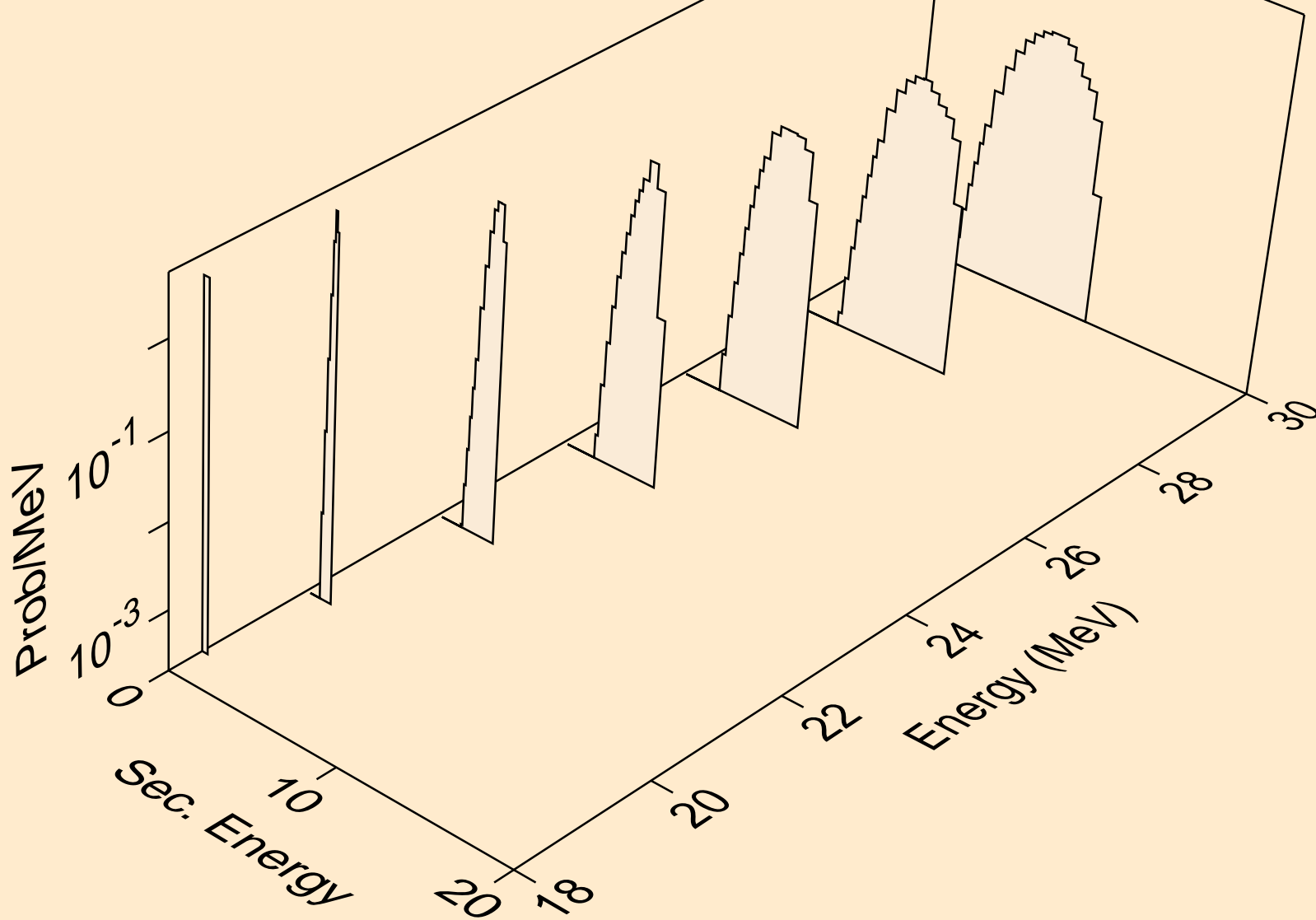
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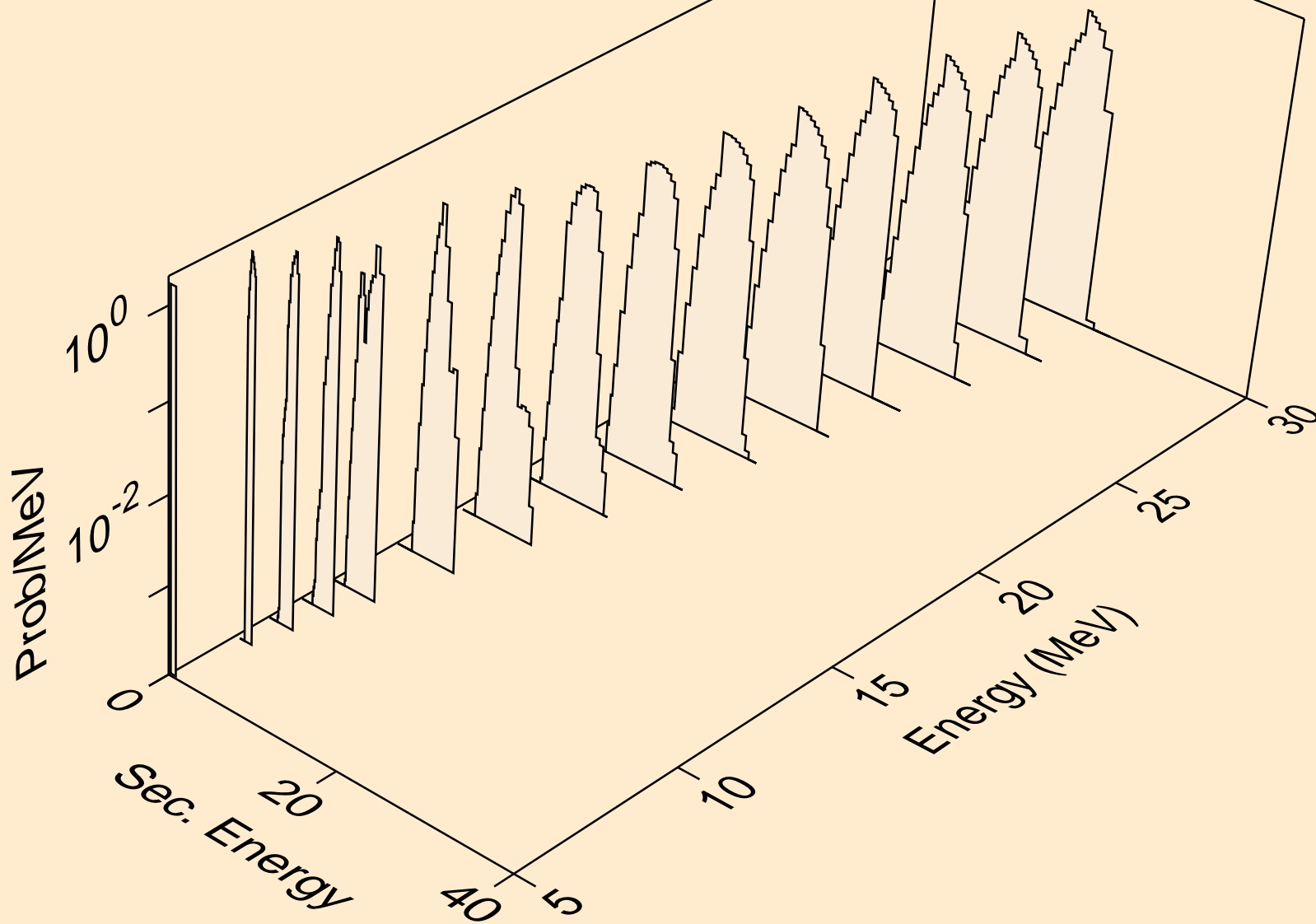
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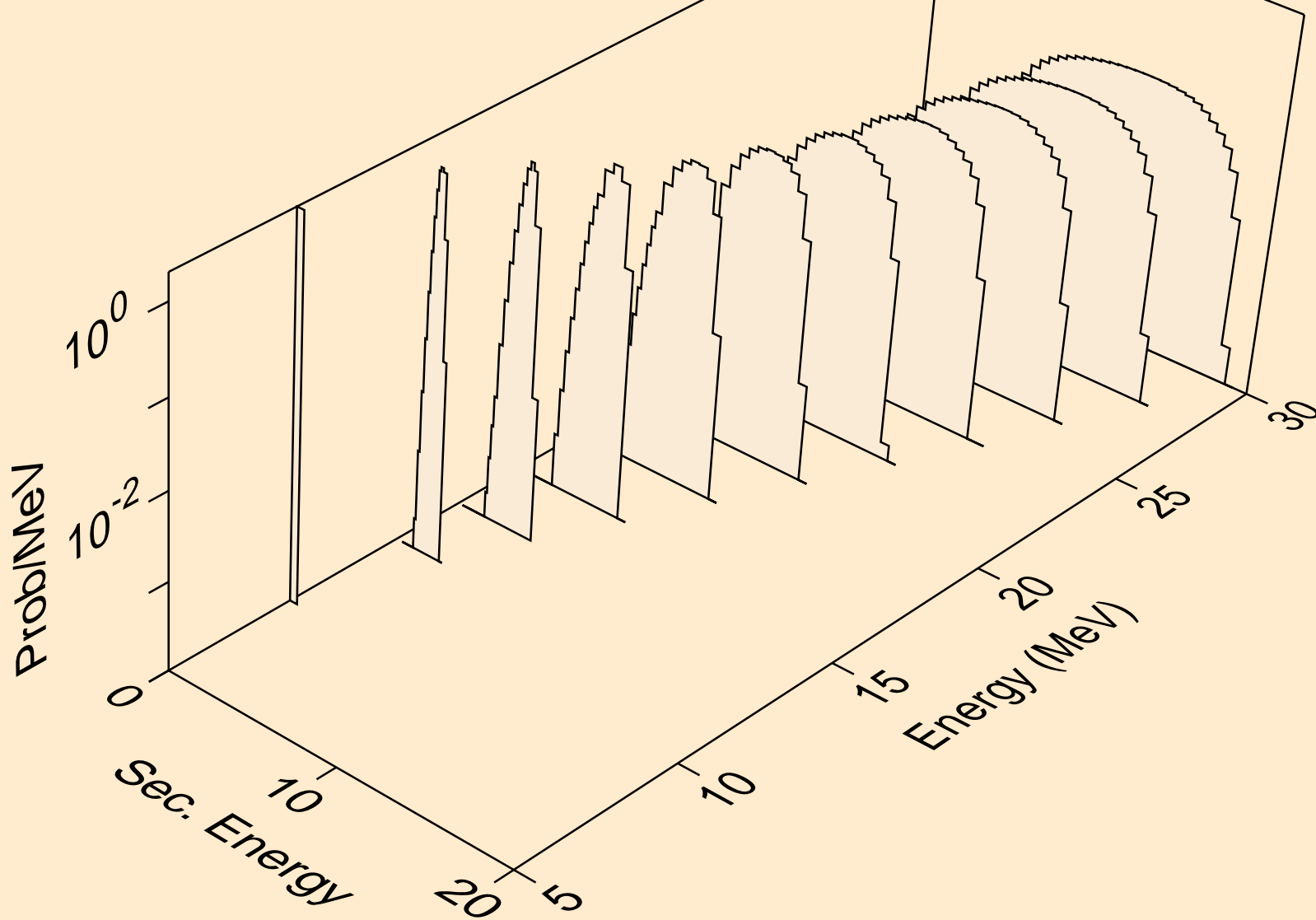
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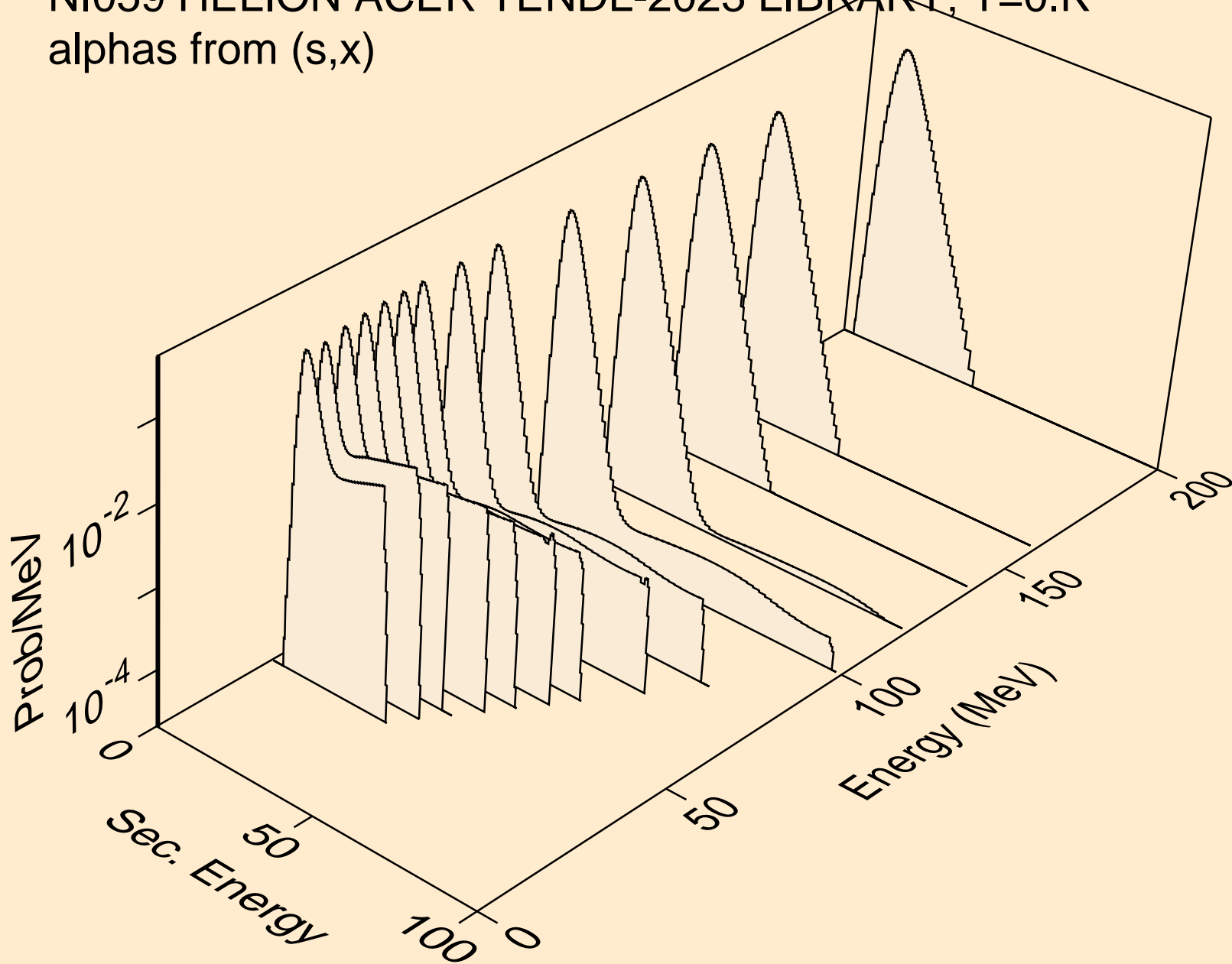
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tritons from (s,t)



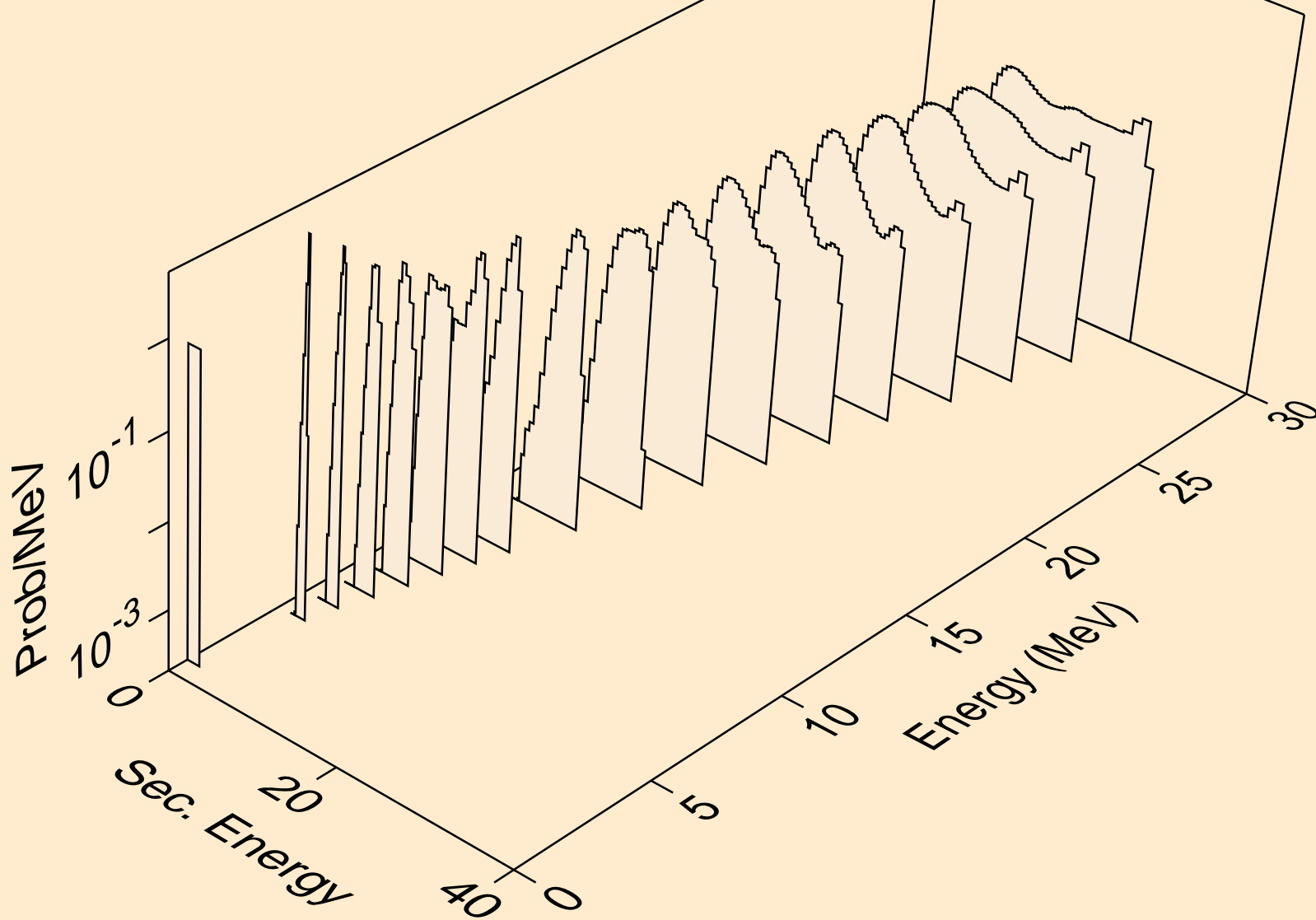
NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,pt)



NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,x)

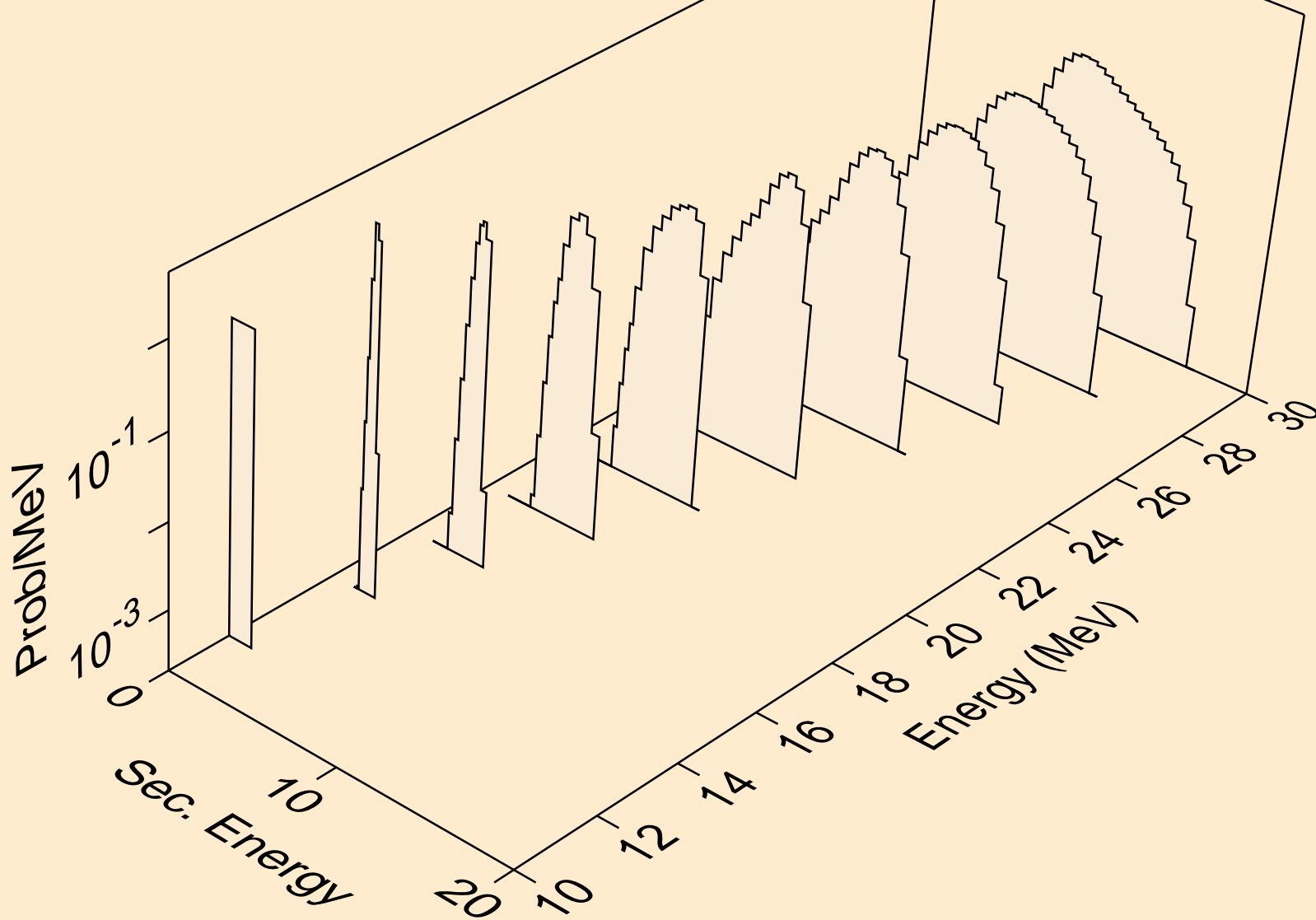


NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)a

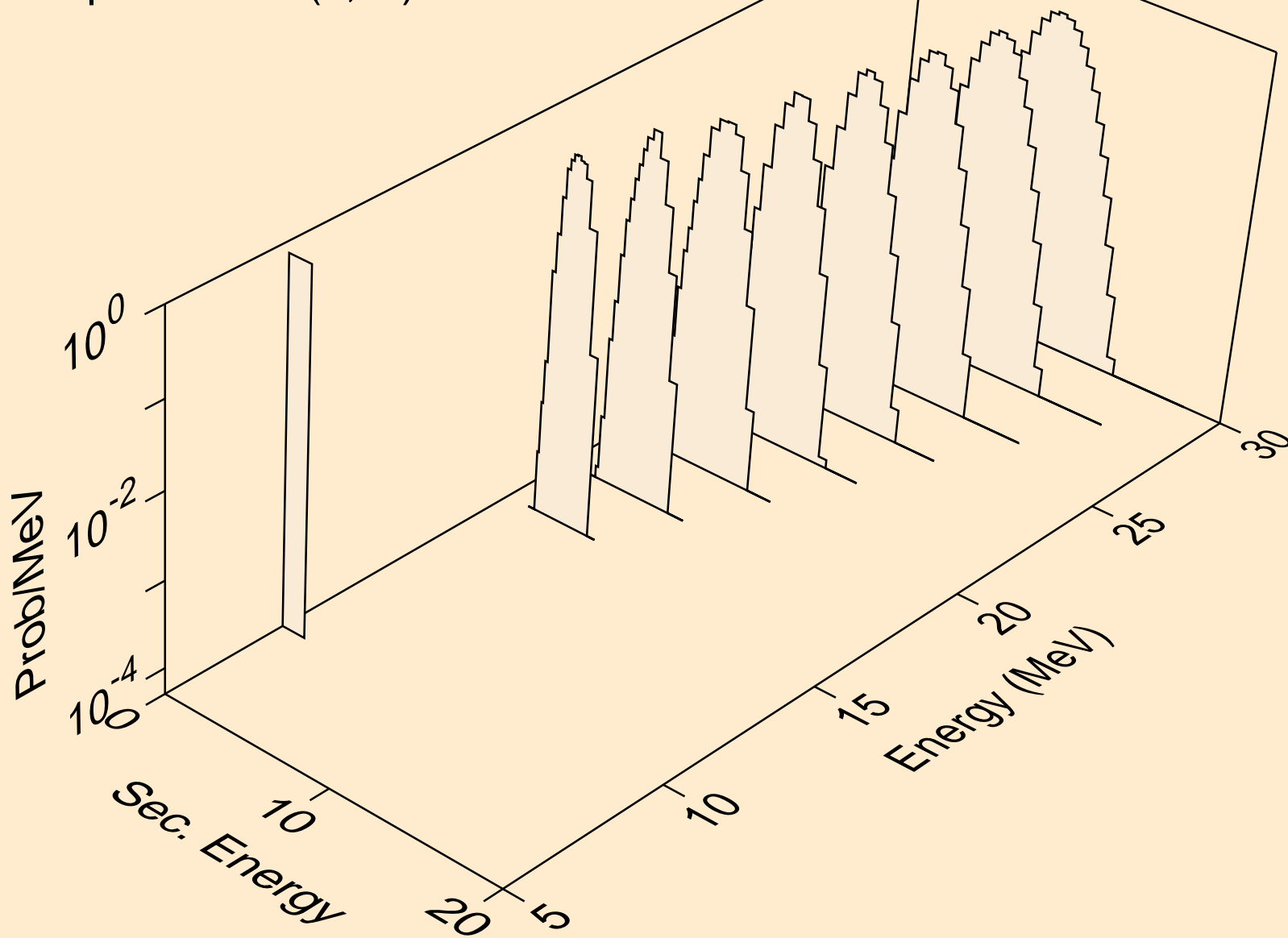




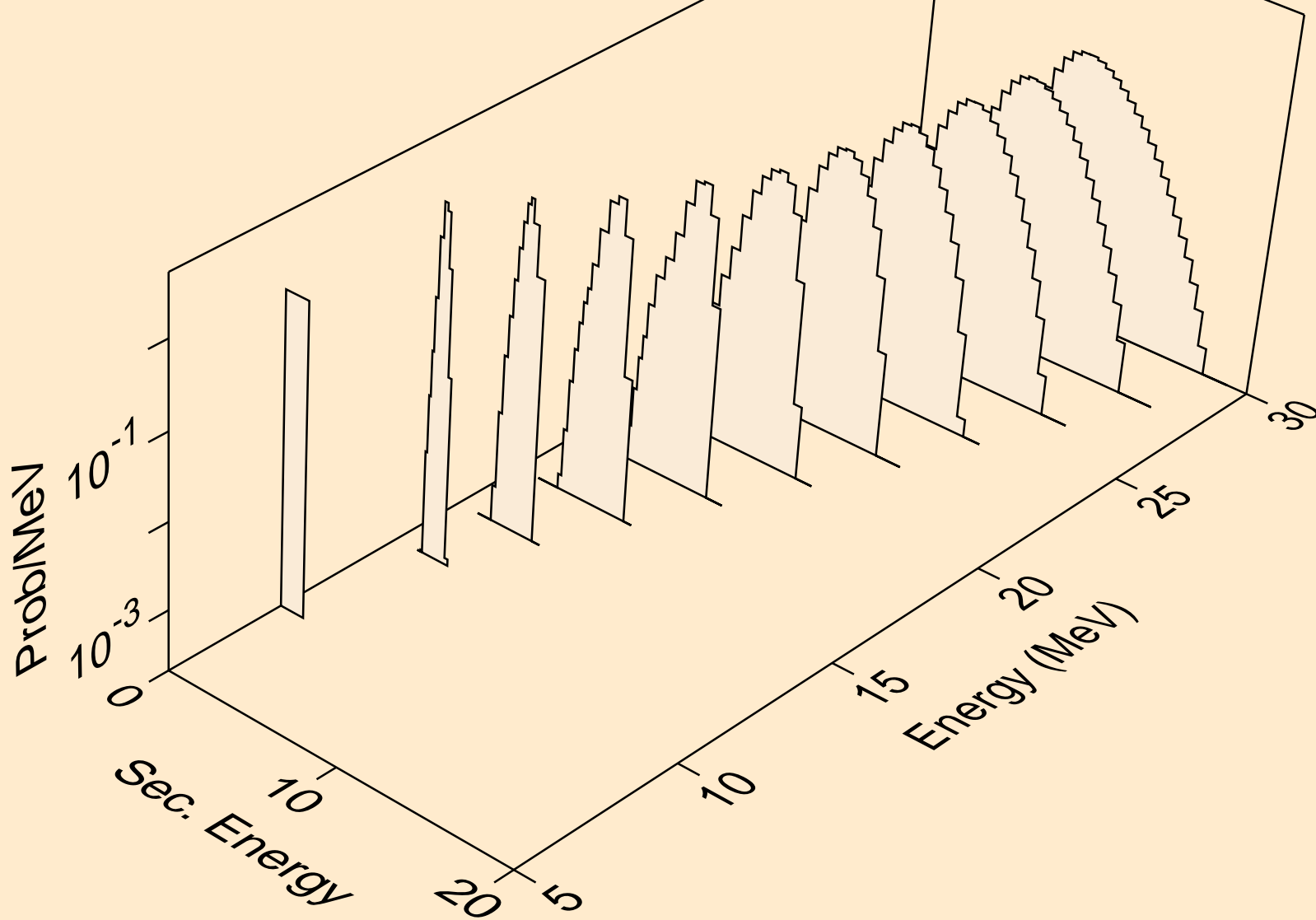
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alphas from (s,2n)a



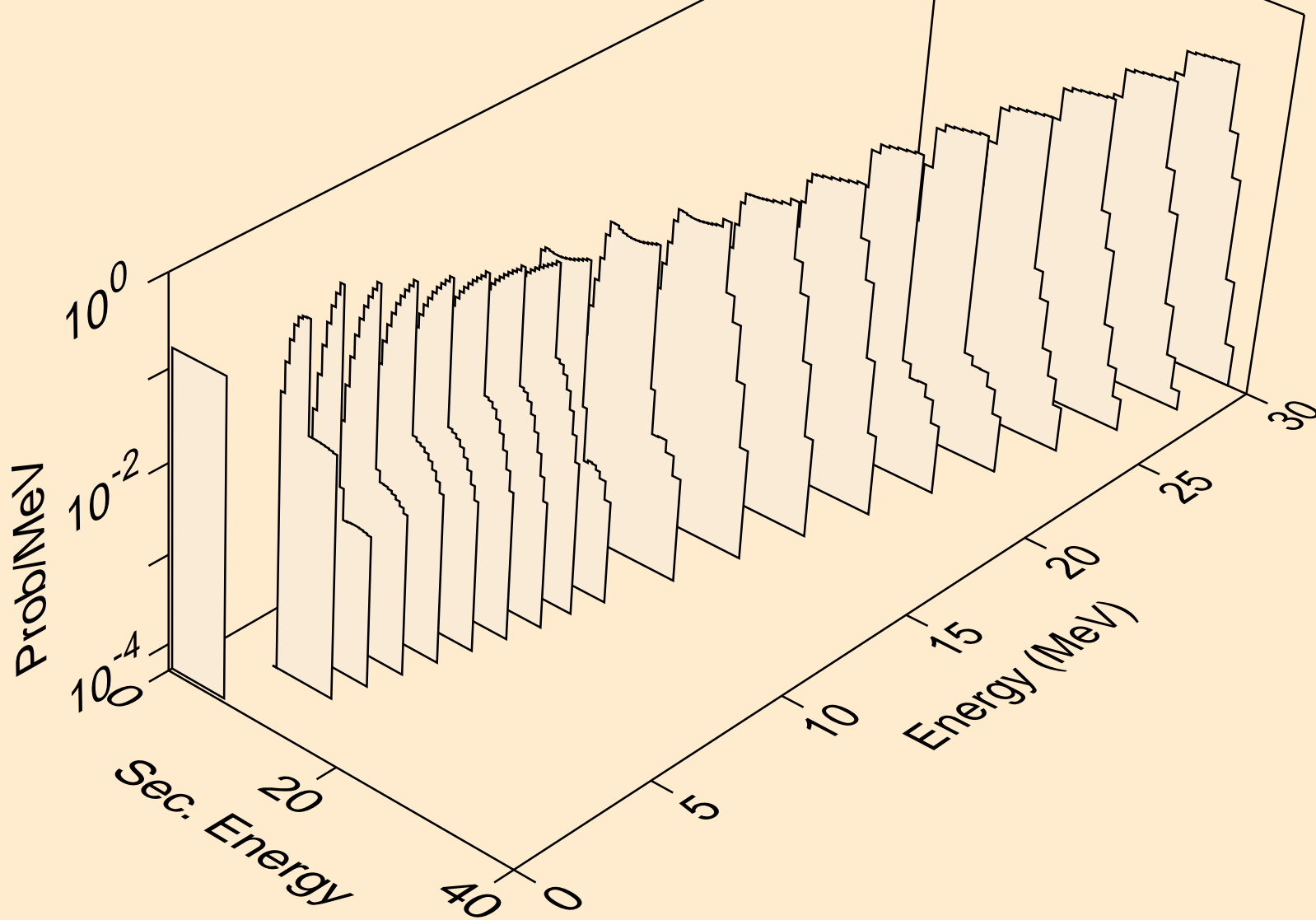
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alphas from (s,n\*)2a



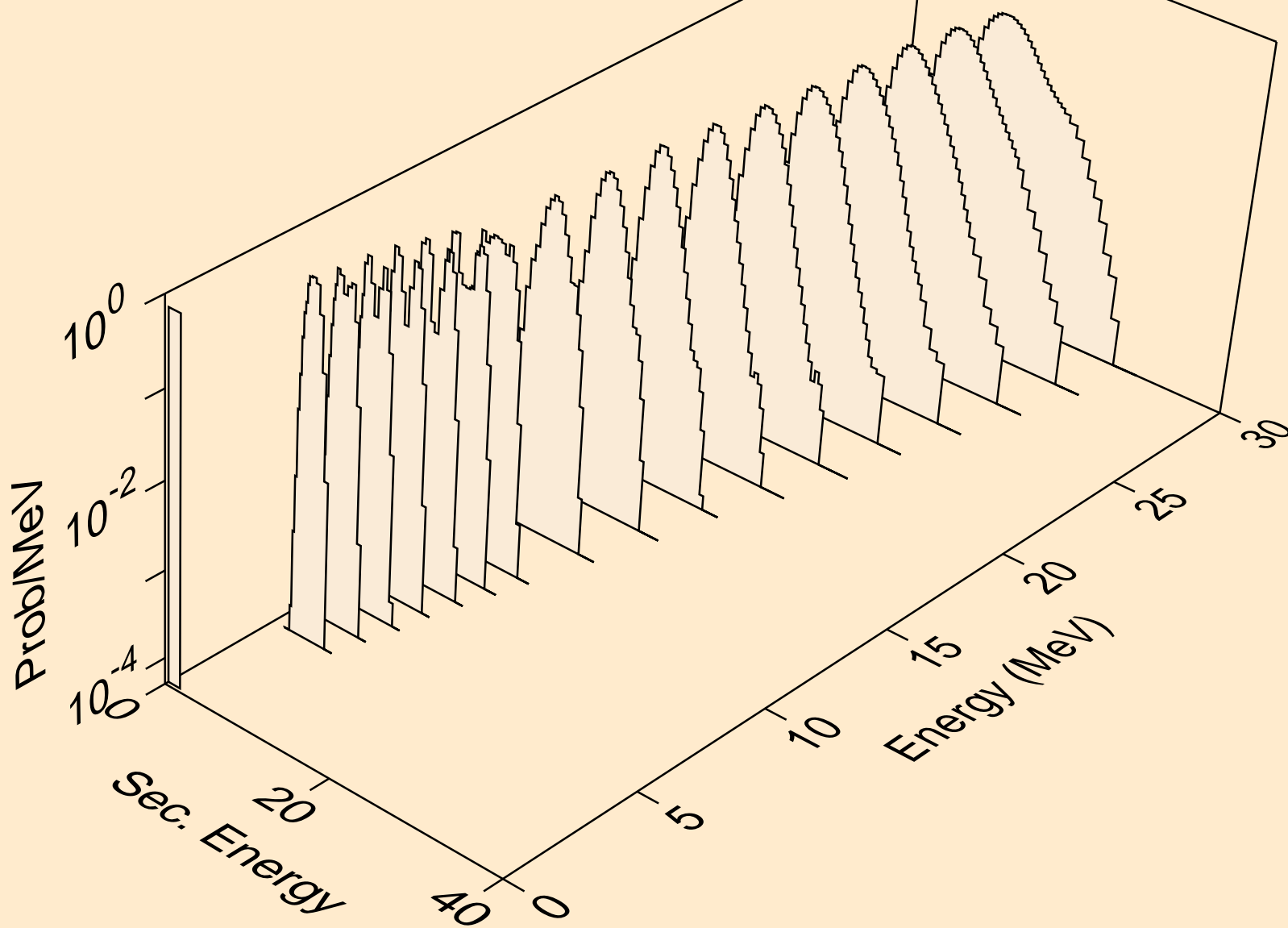
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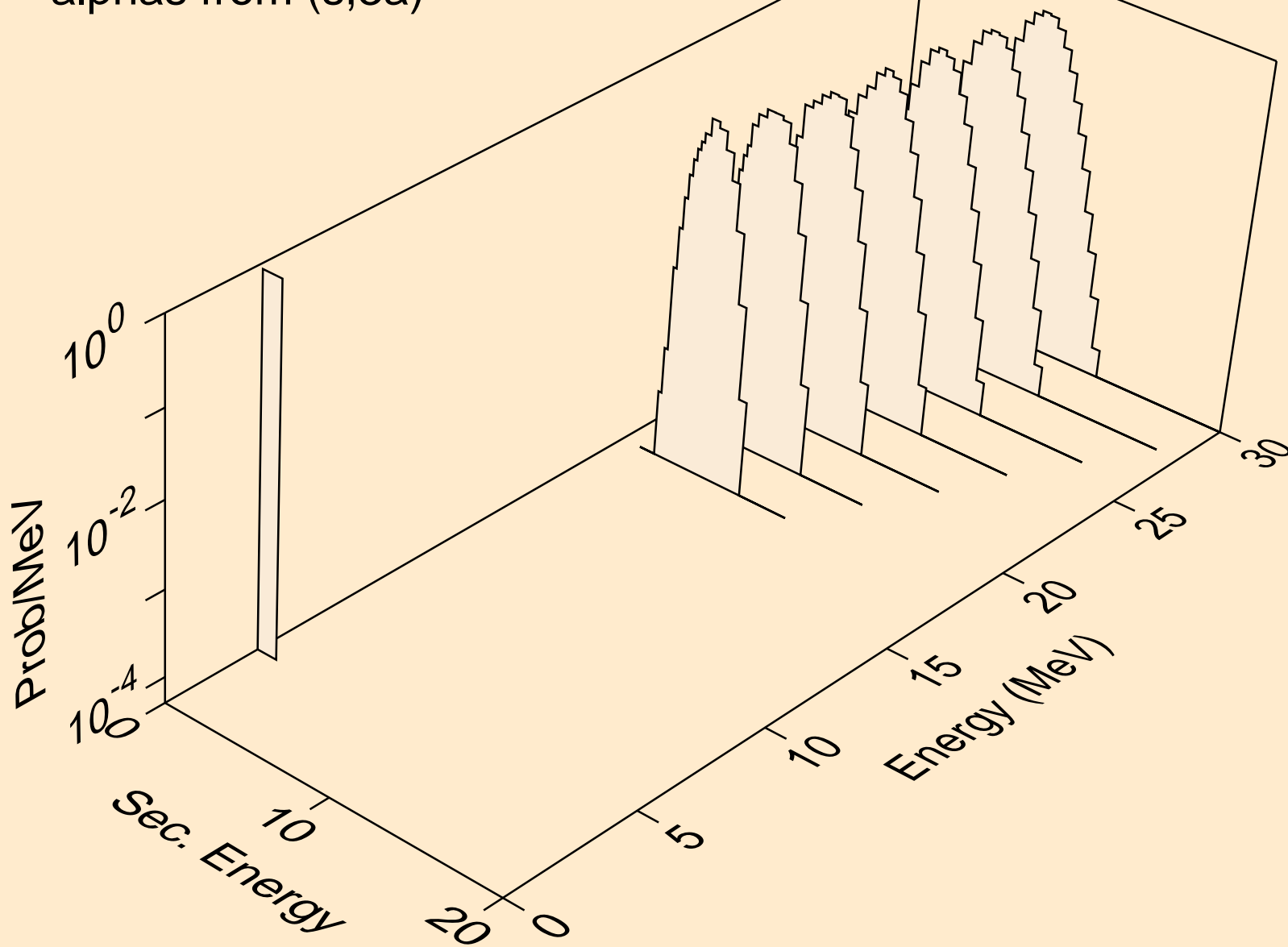
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alphas from (s,a)



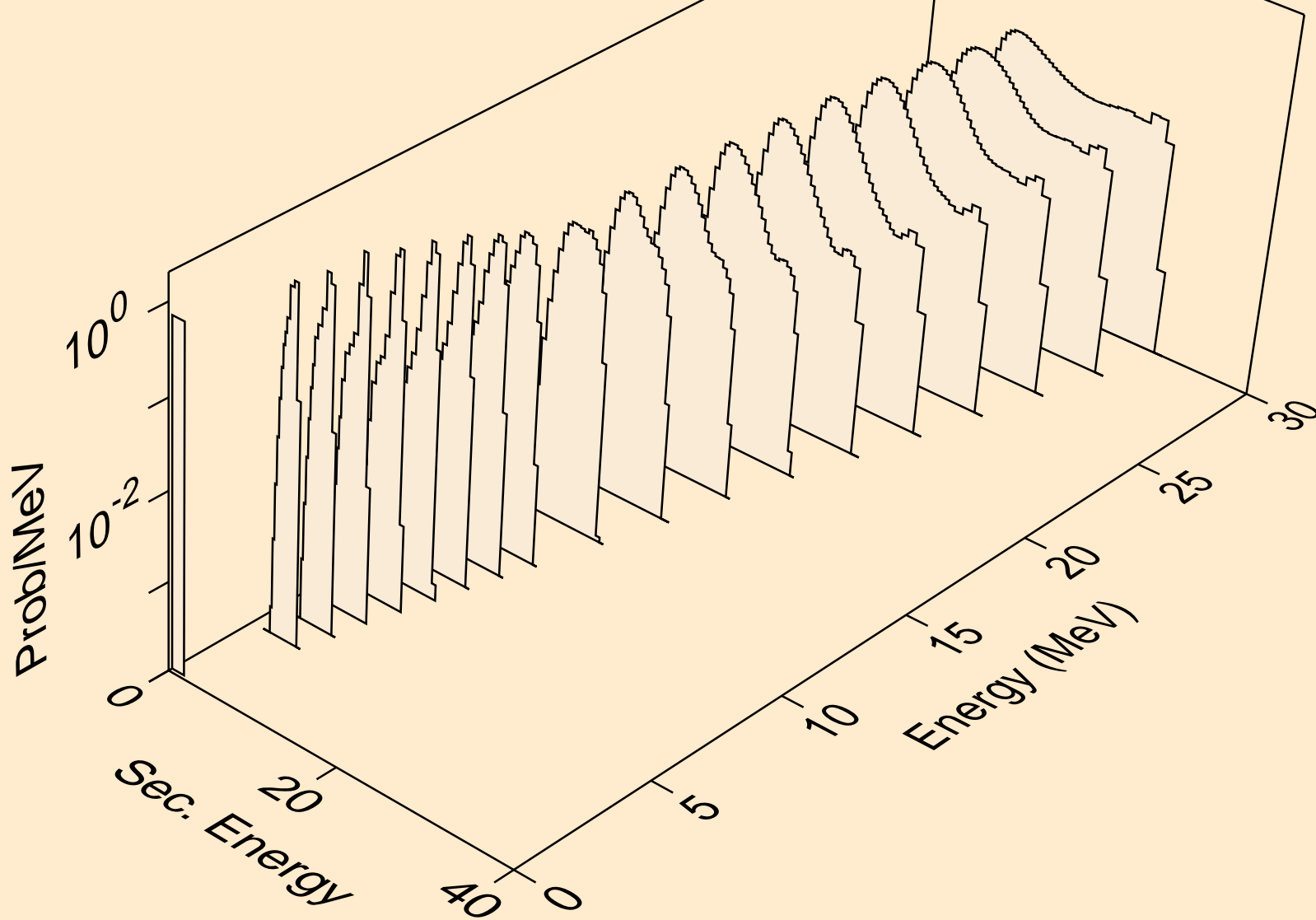
NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2a)



NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,3a)



NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



NI059 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

