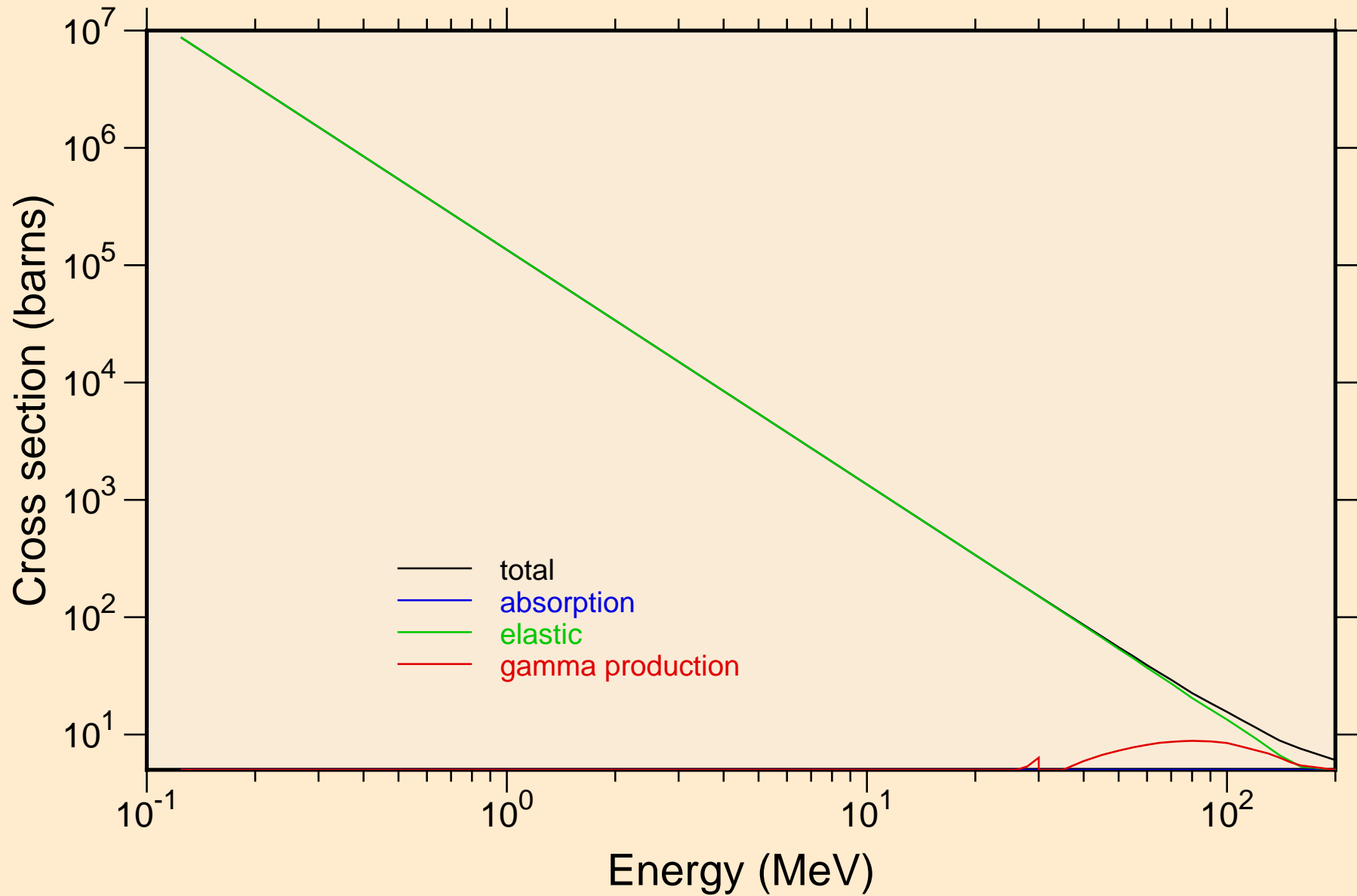


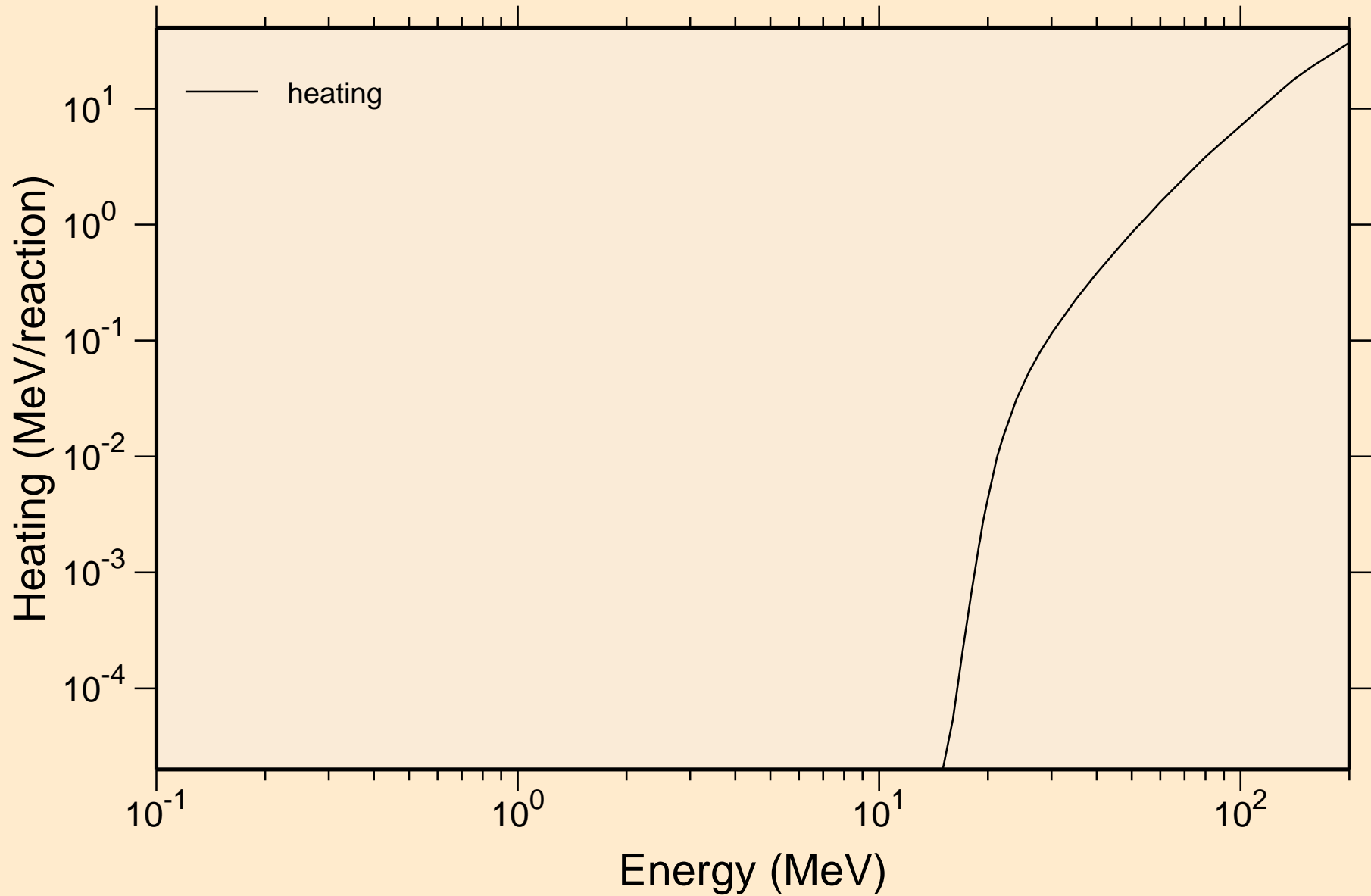
# TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



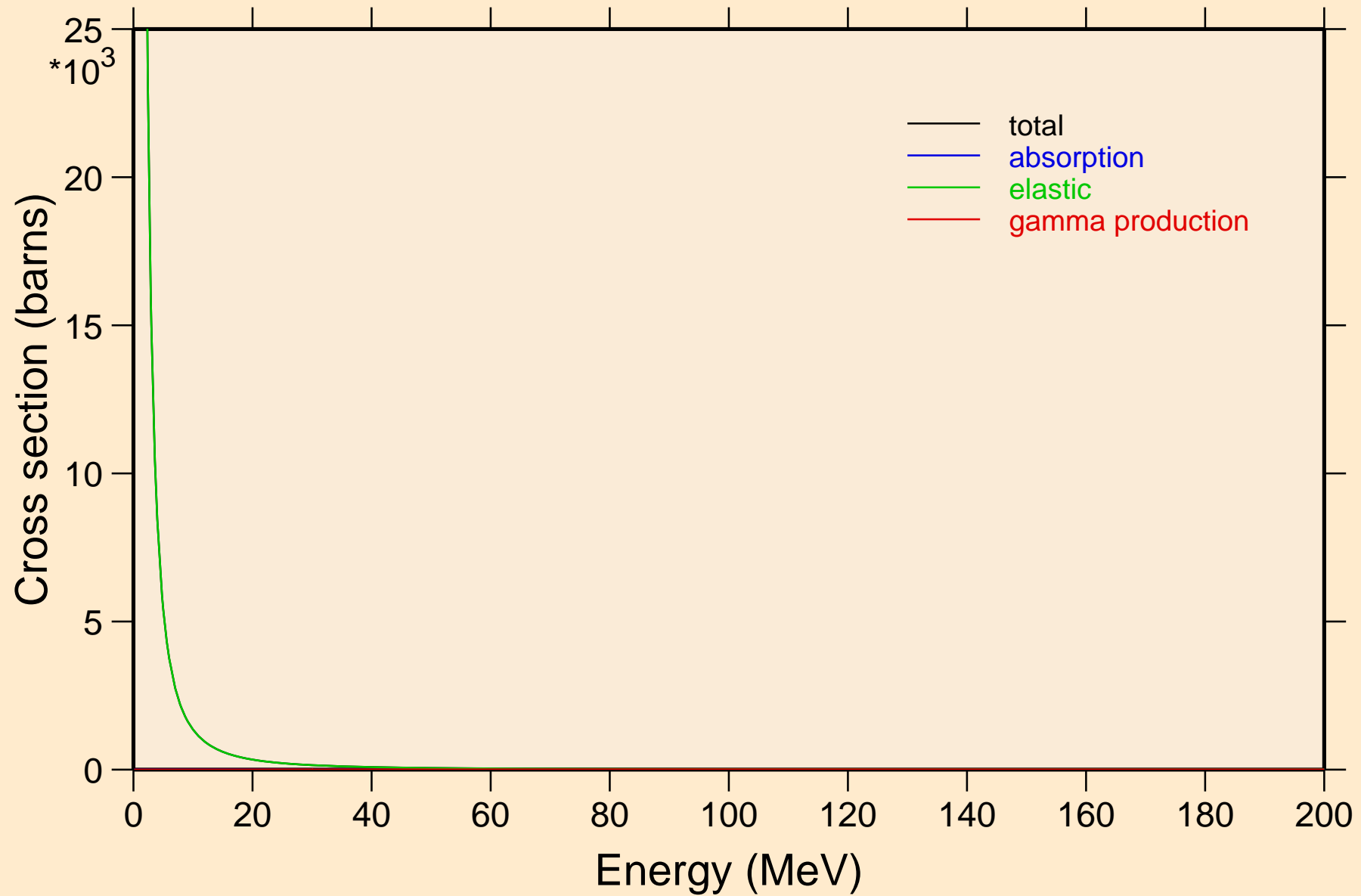
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K

Heating



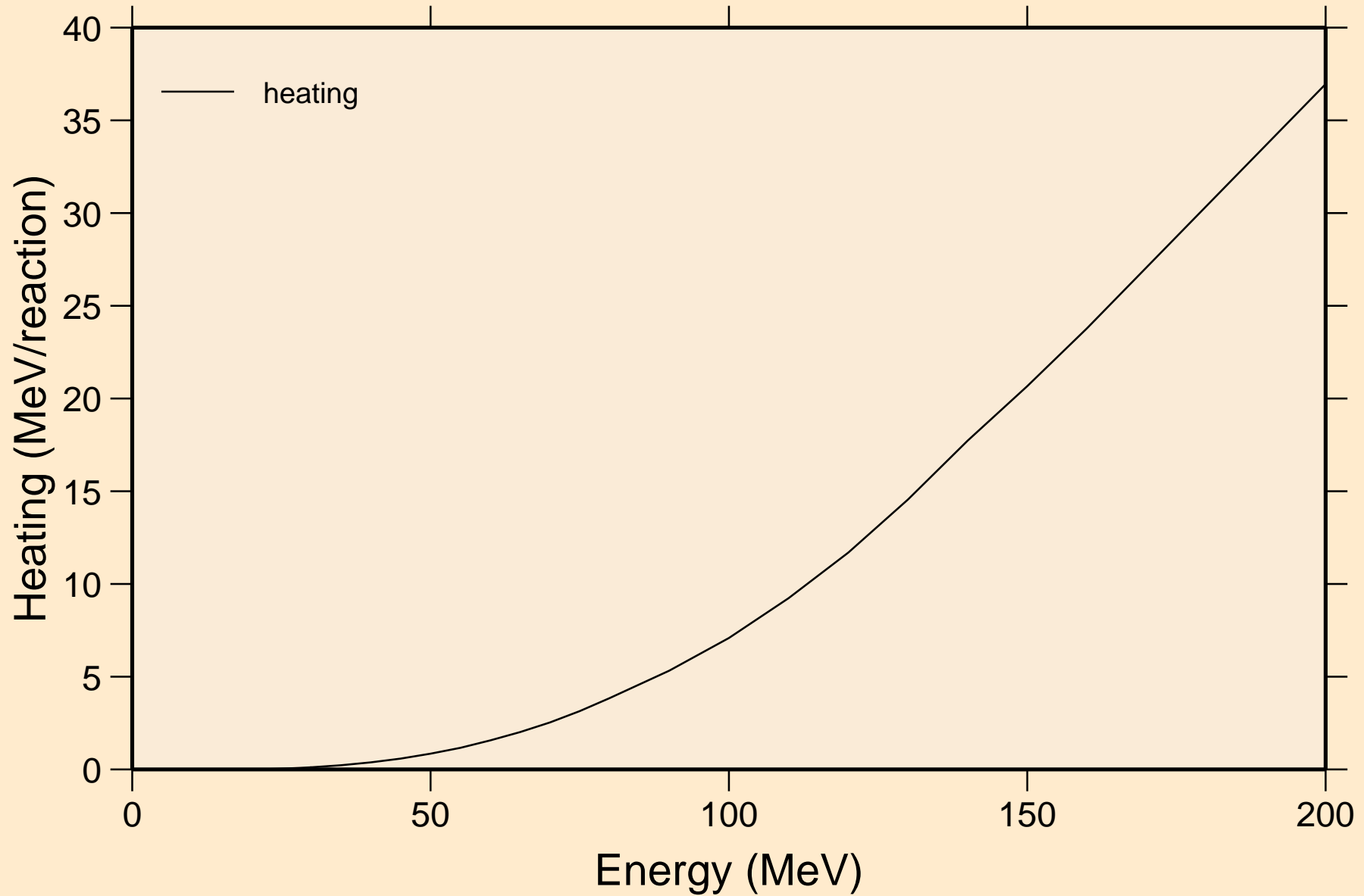
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## Principal cross sections

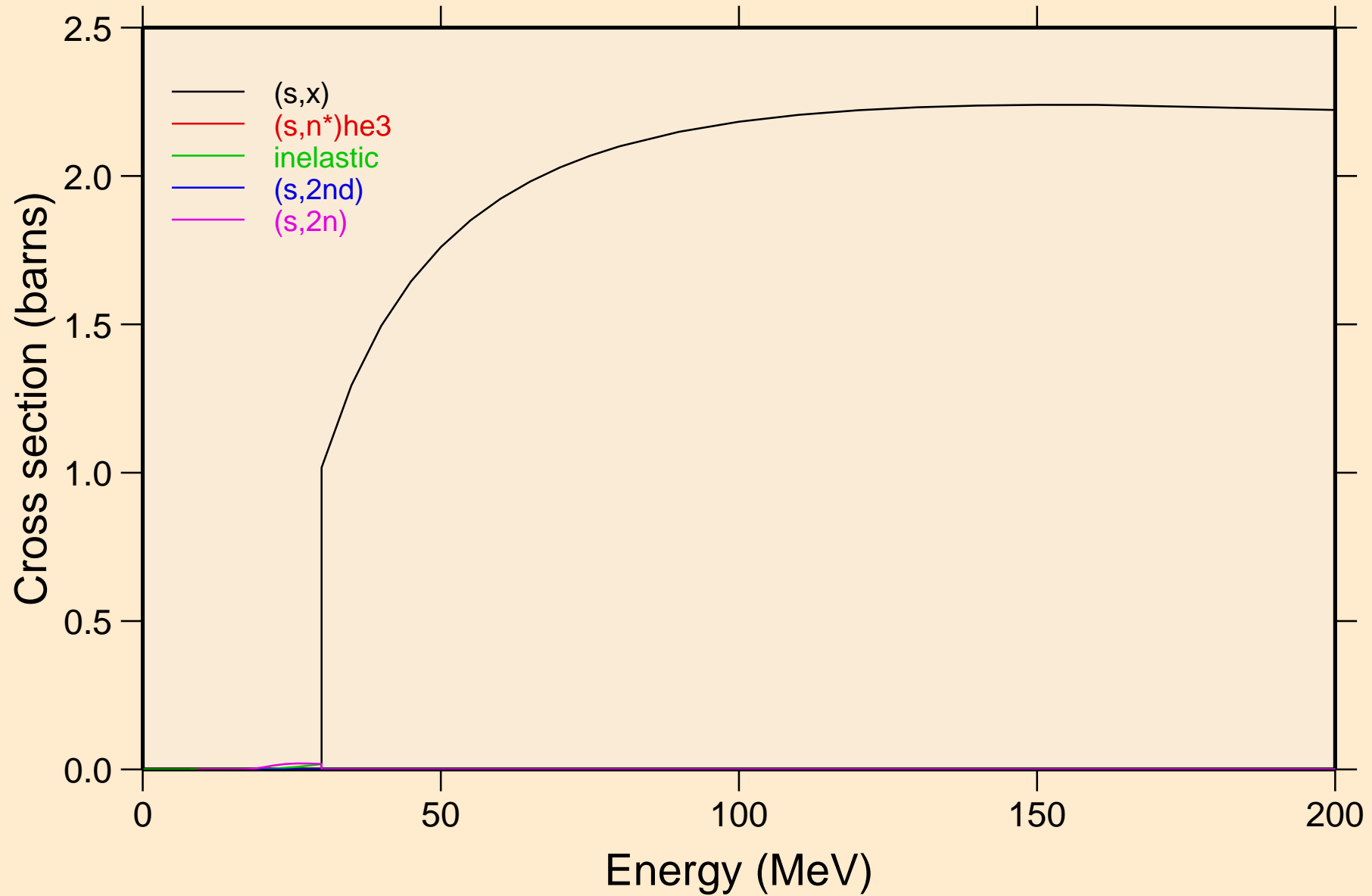


TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K

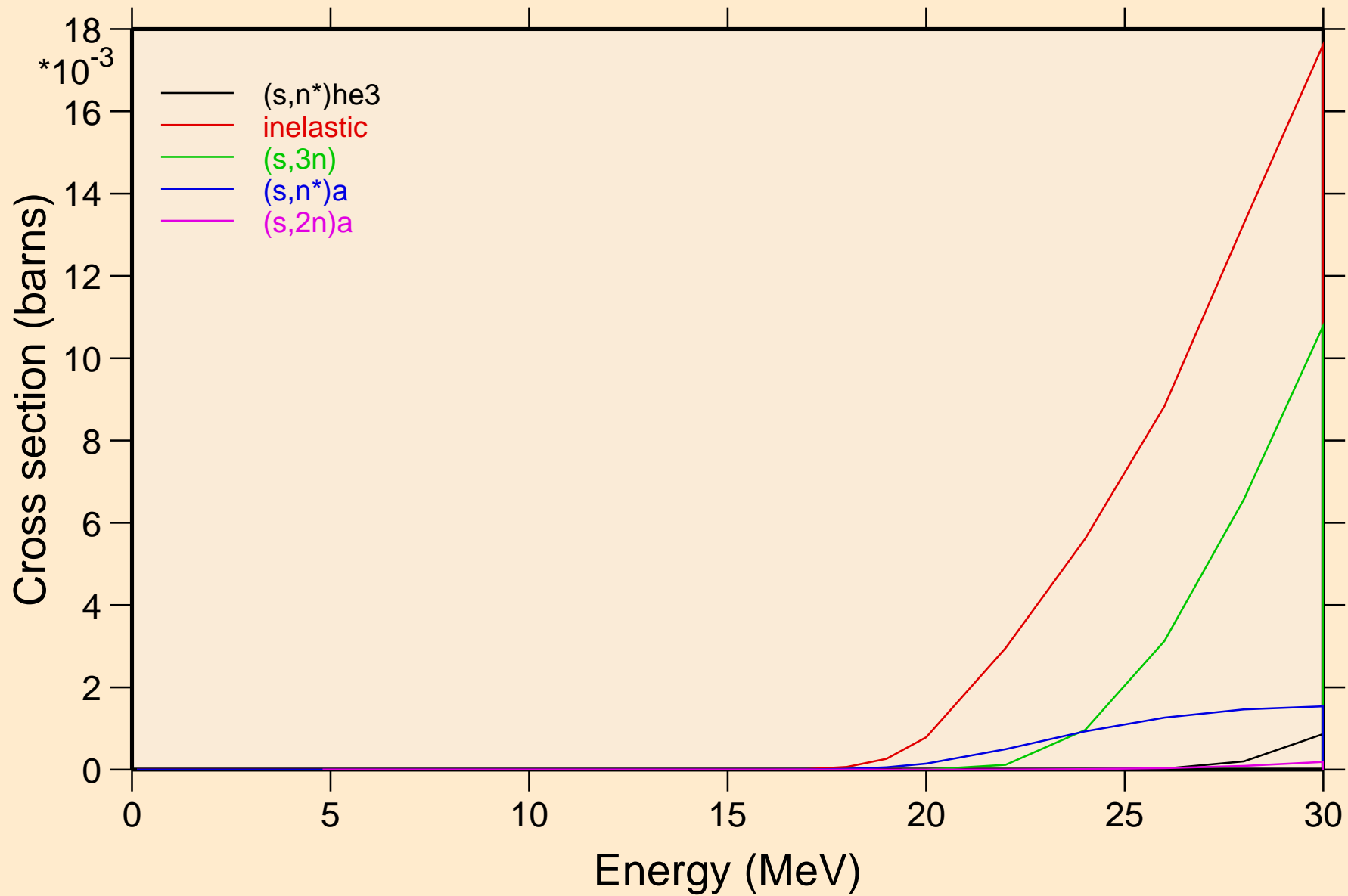
Heating



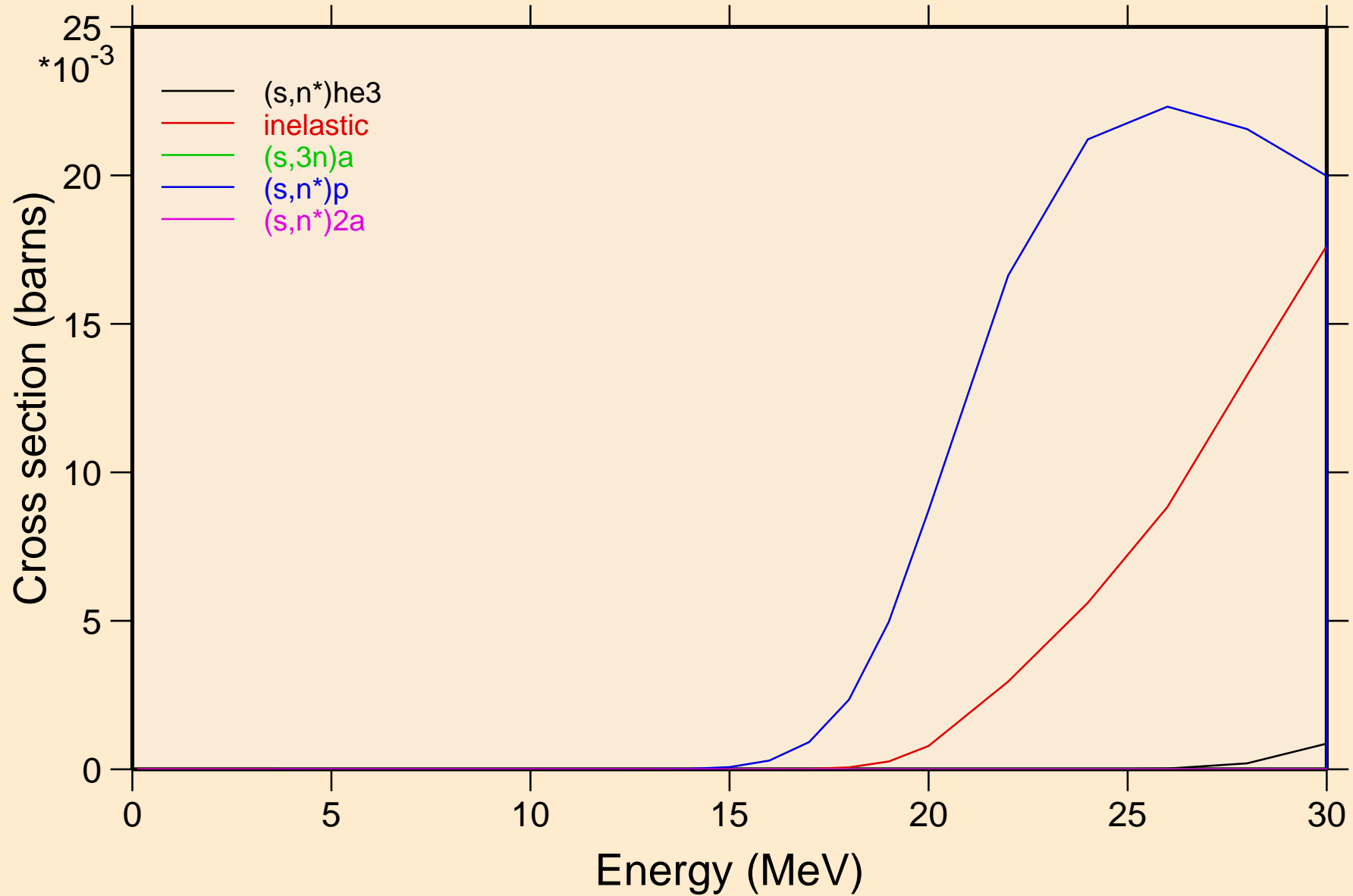
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



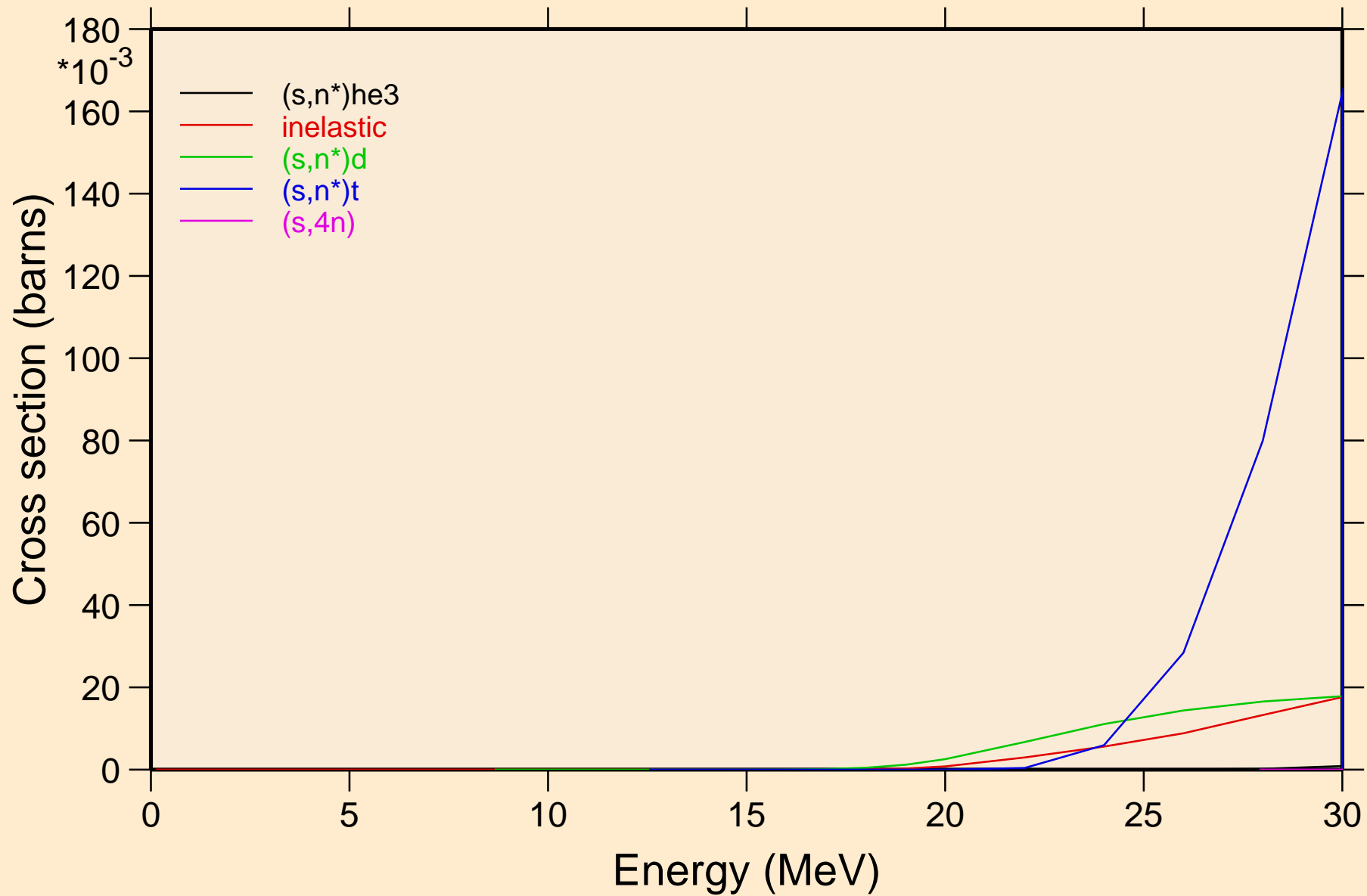
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

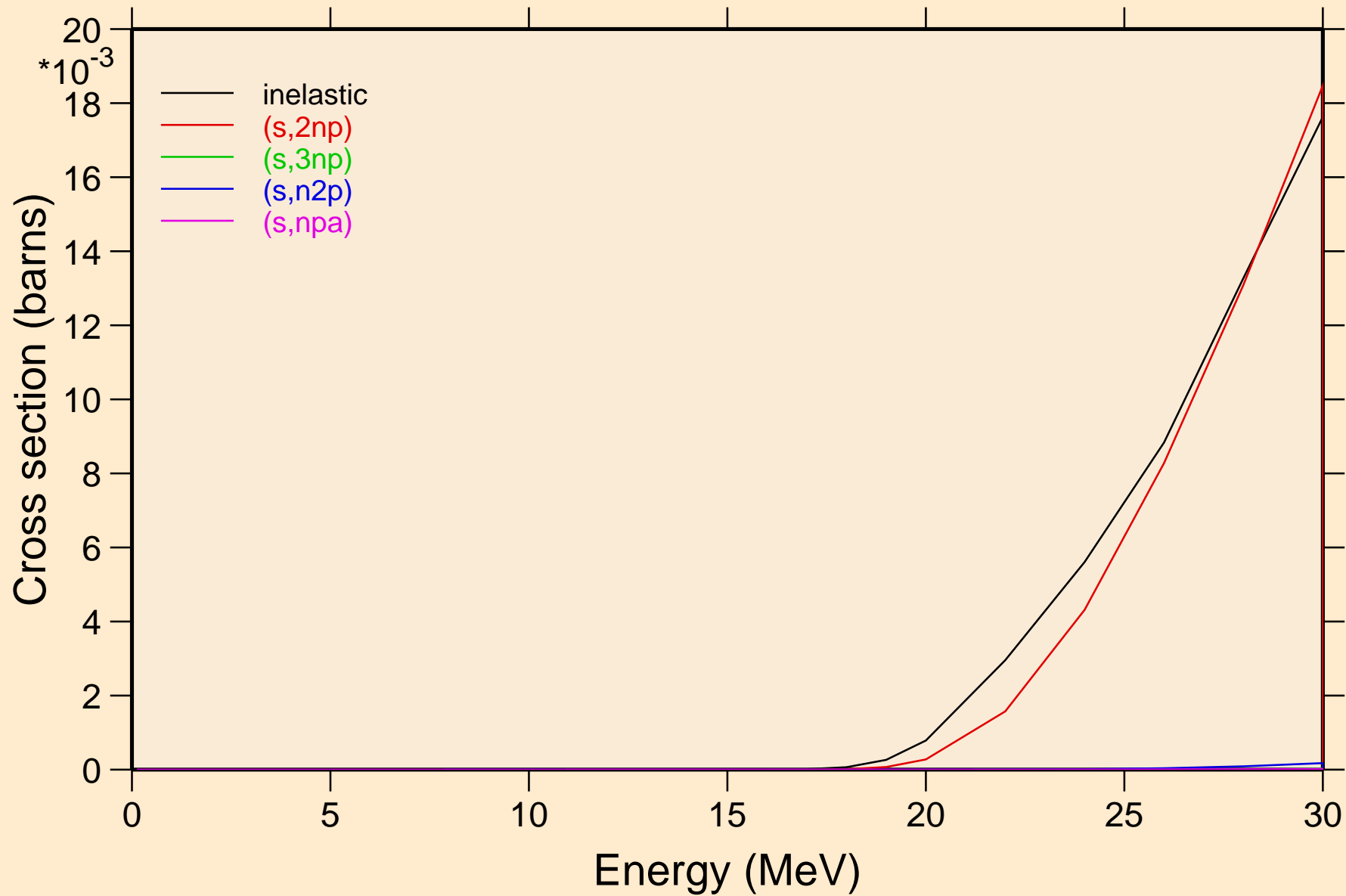


TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

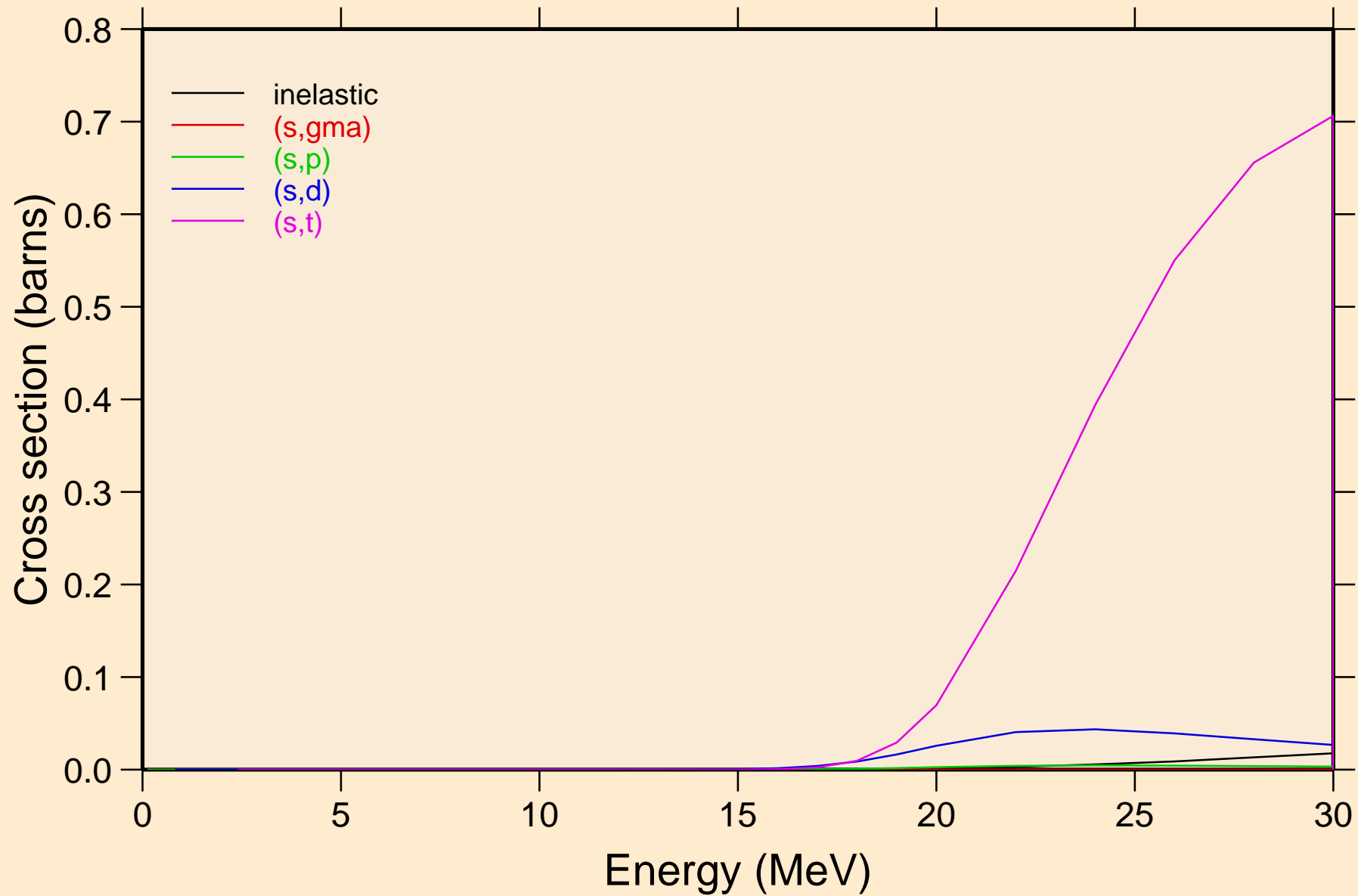




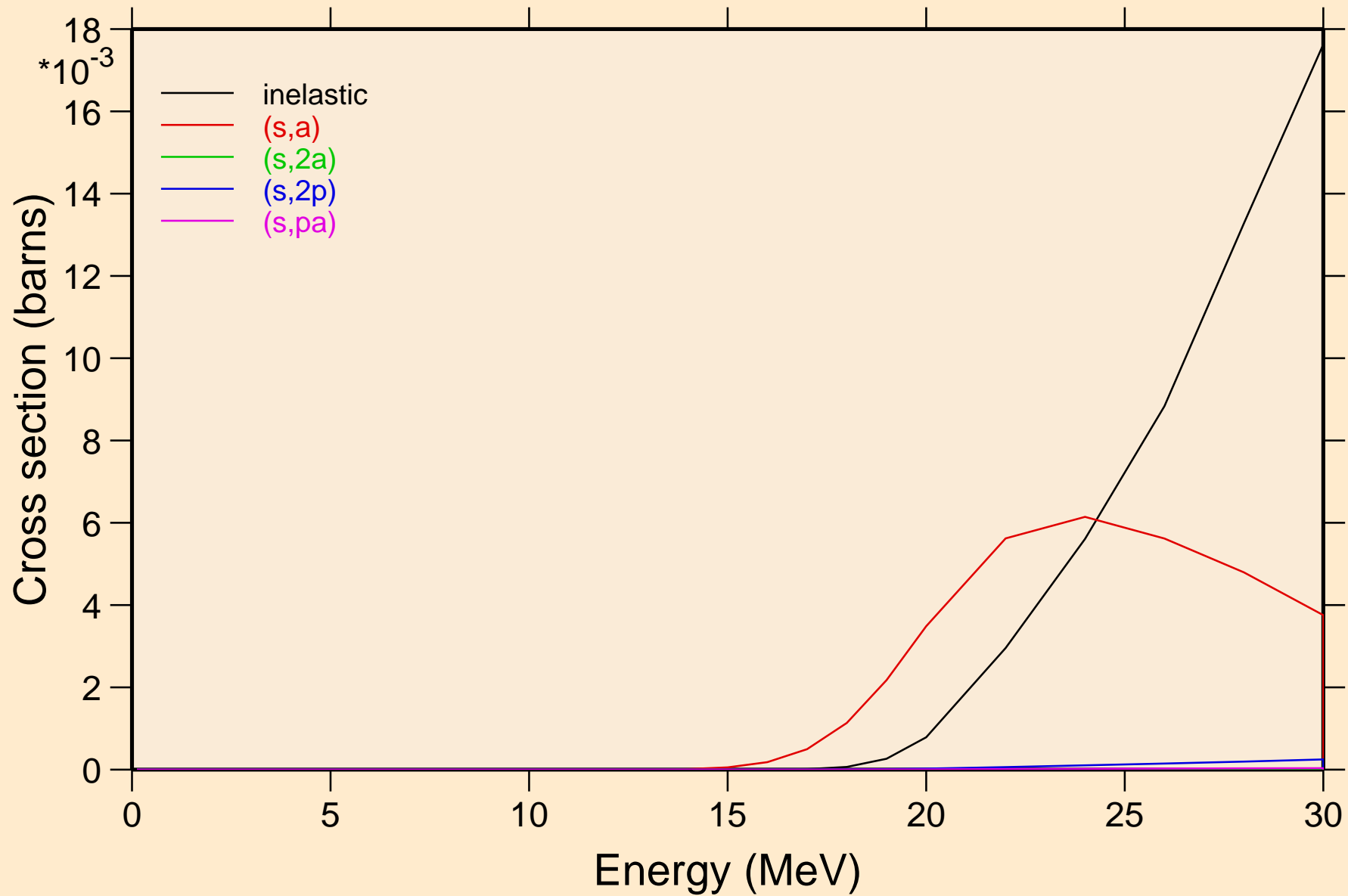
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Threshold reactions



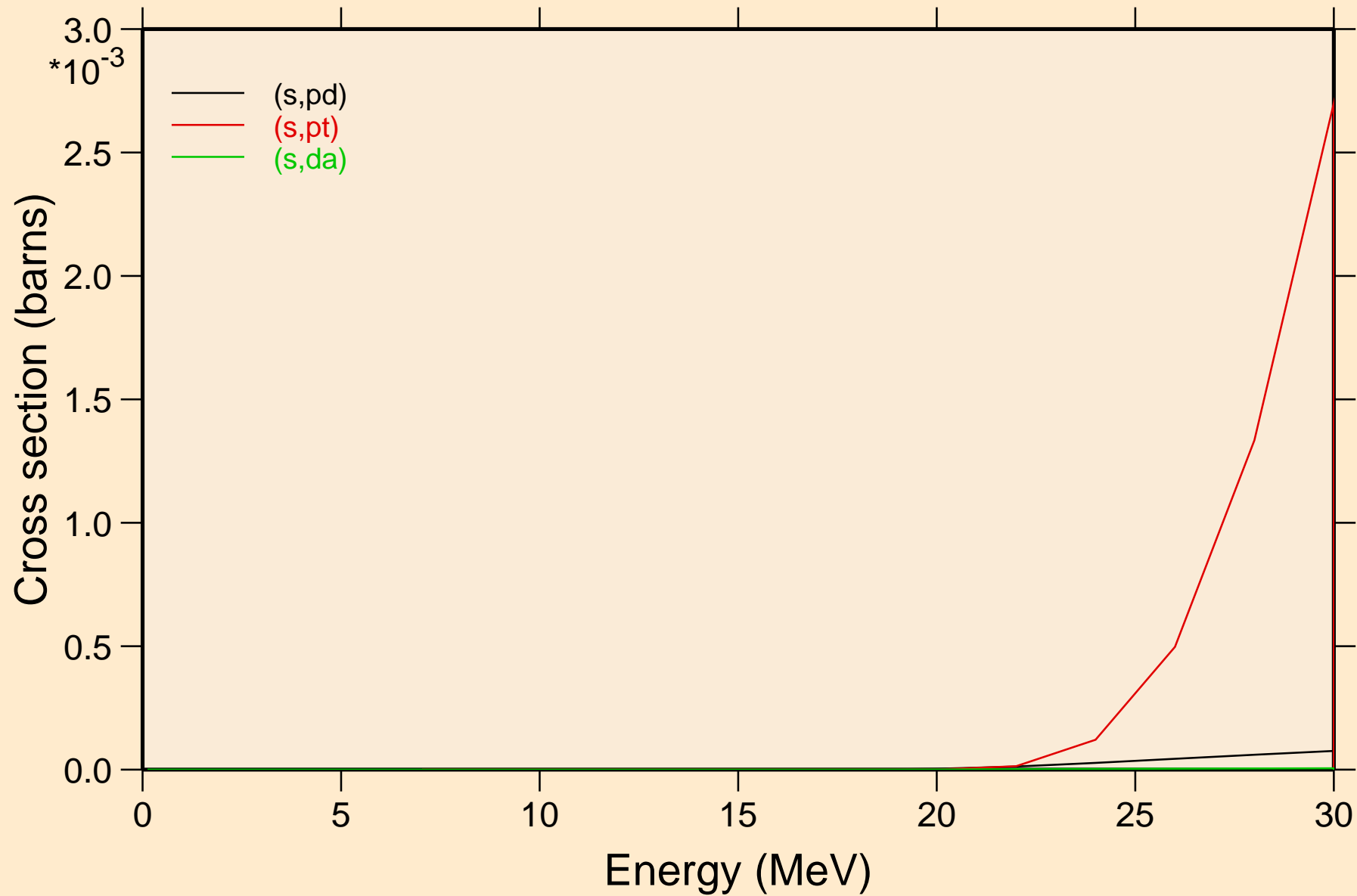
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Threshold reactions



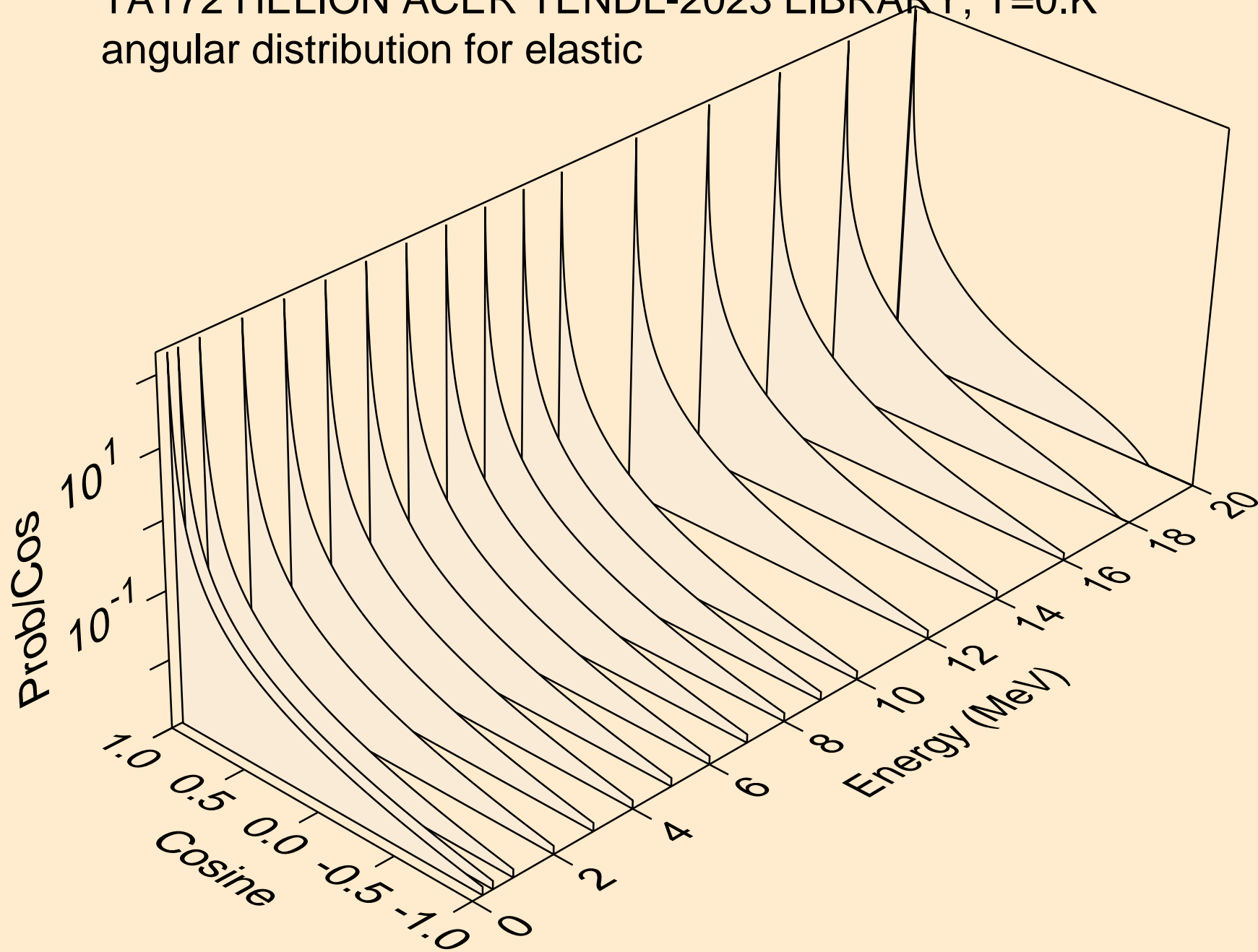
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Threshold reactions



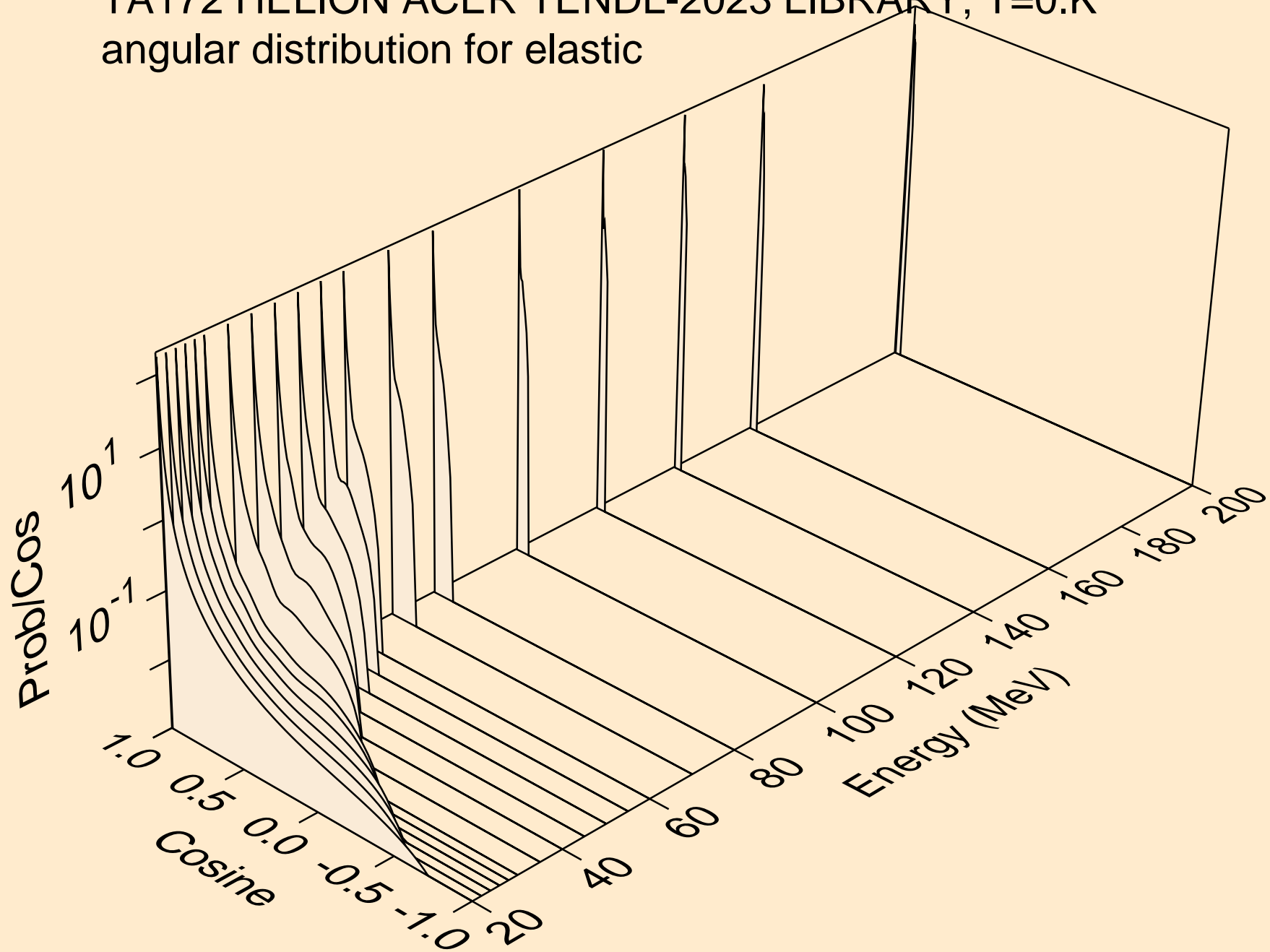
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



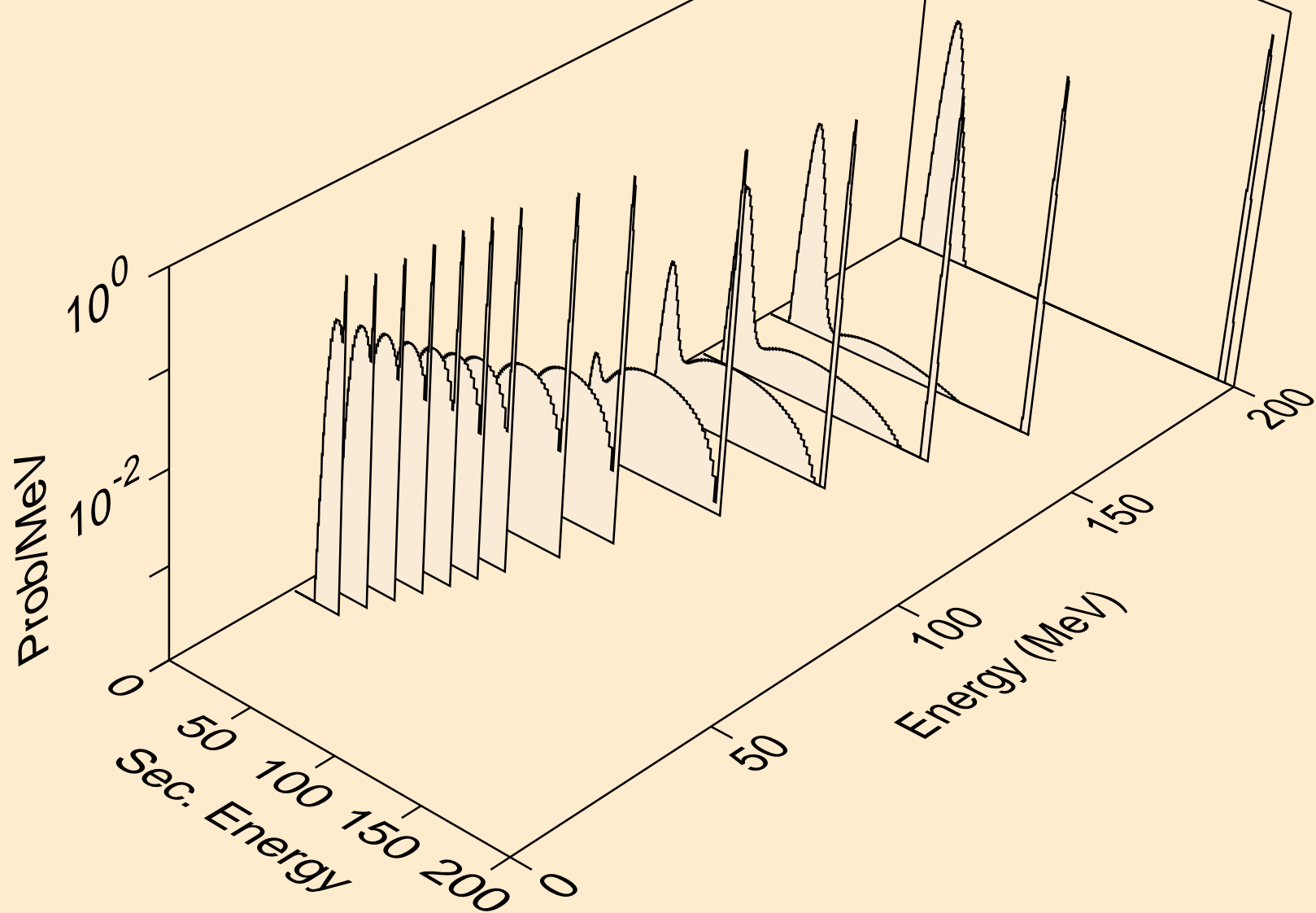
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



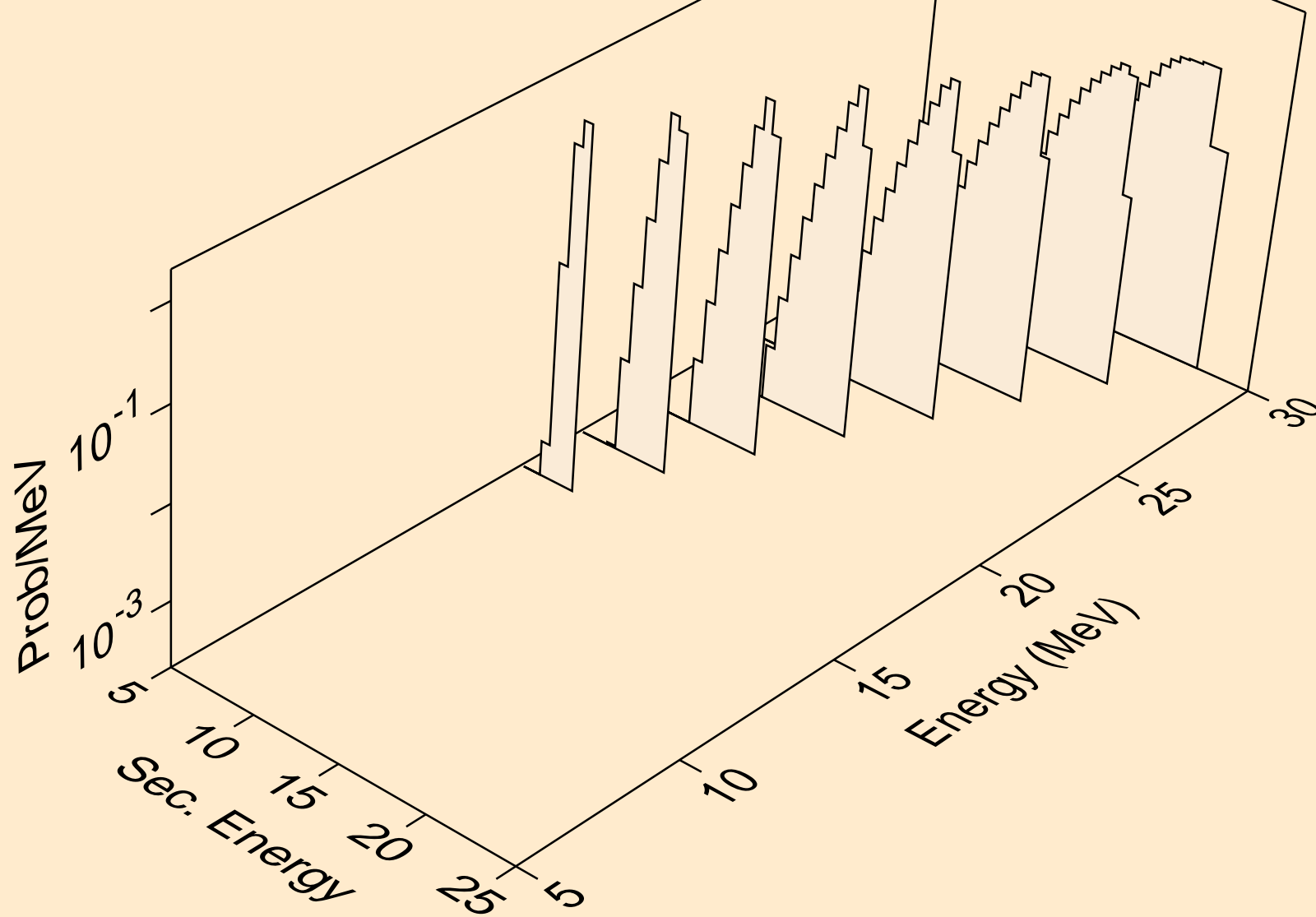
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)

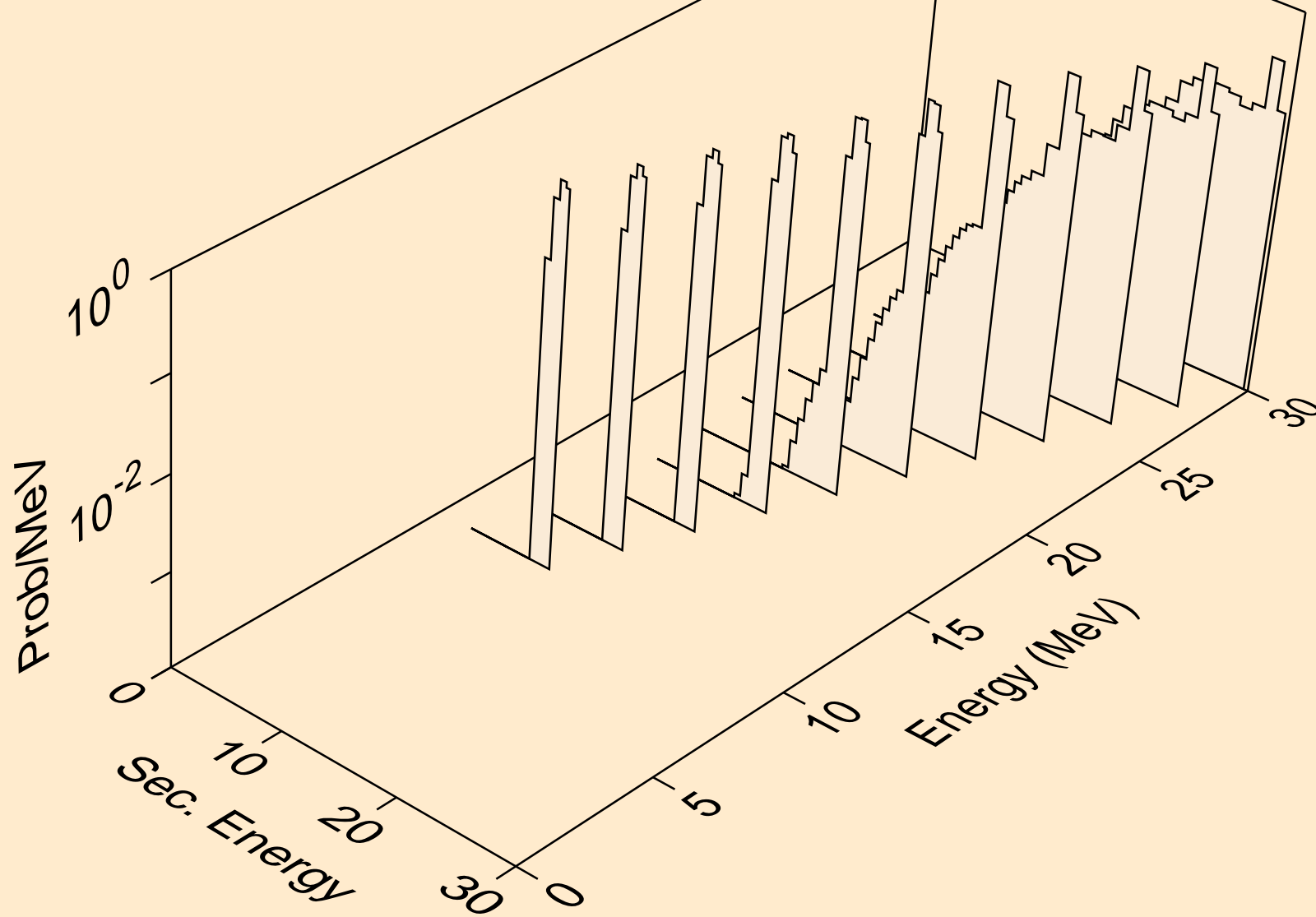


TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

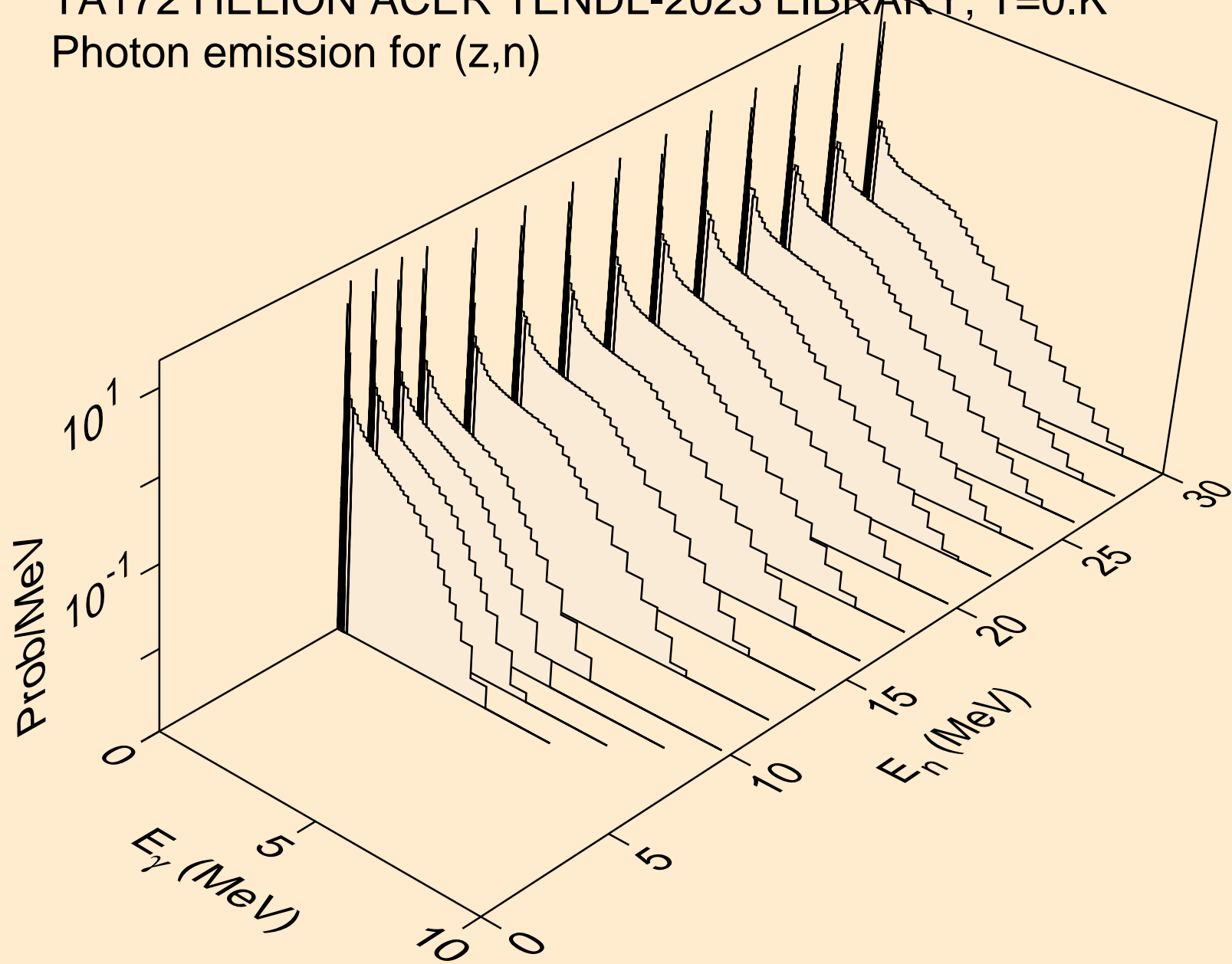




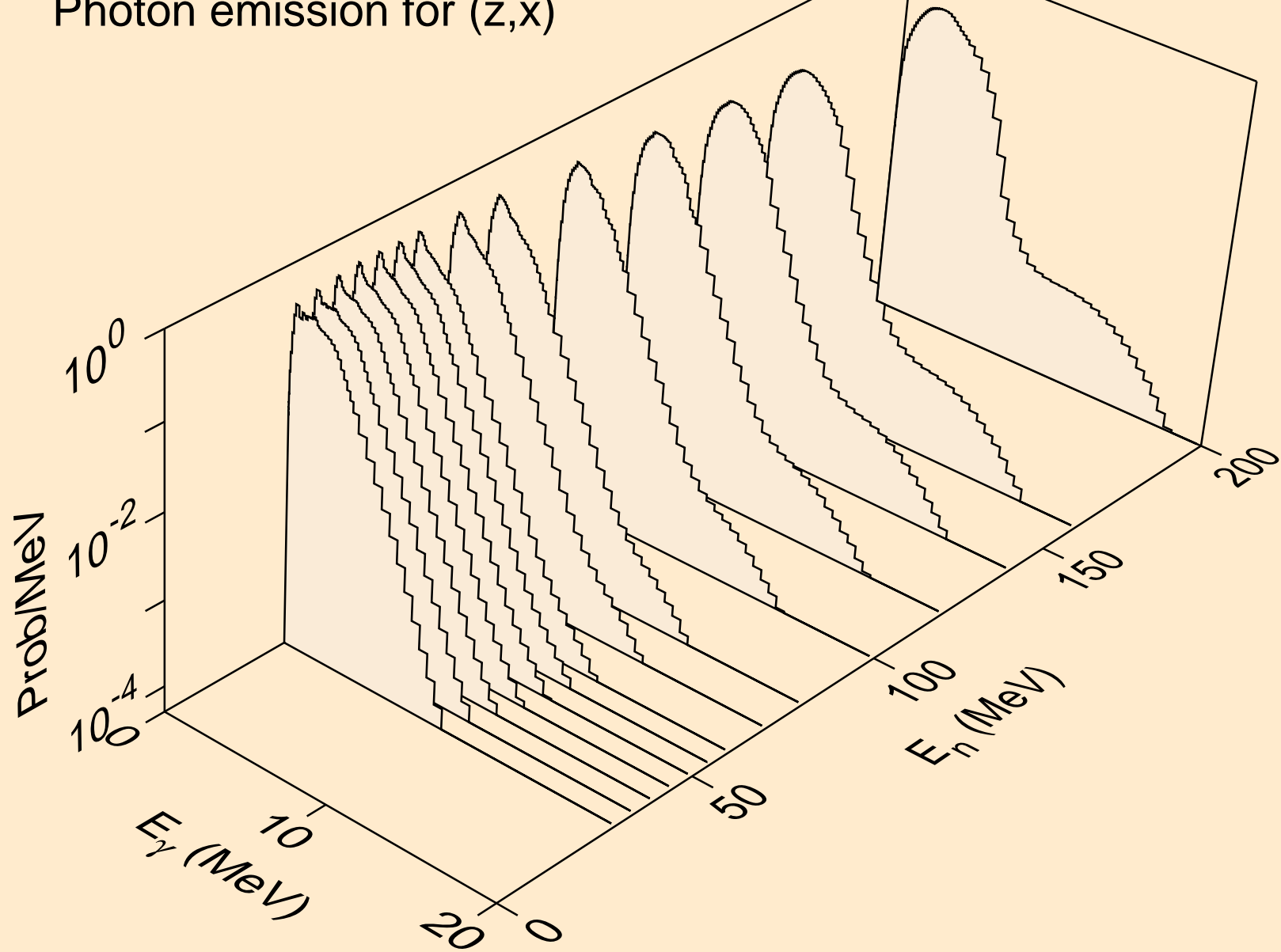
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic



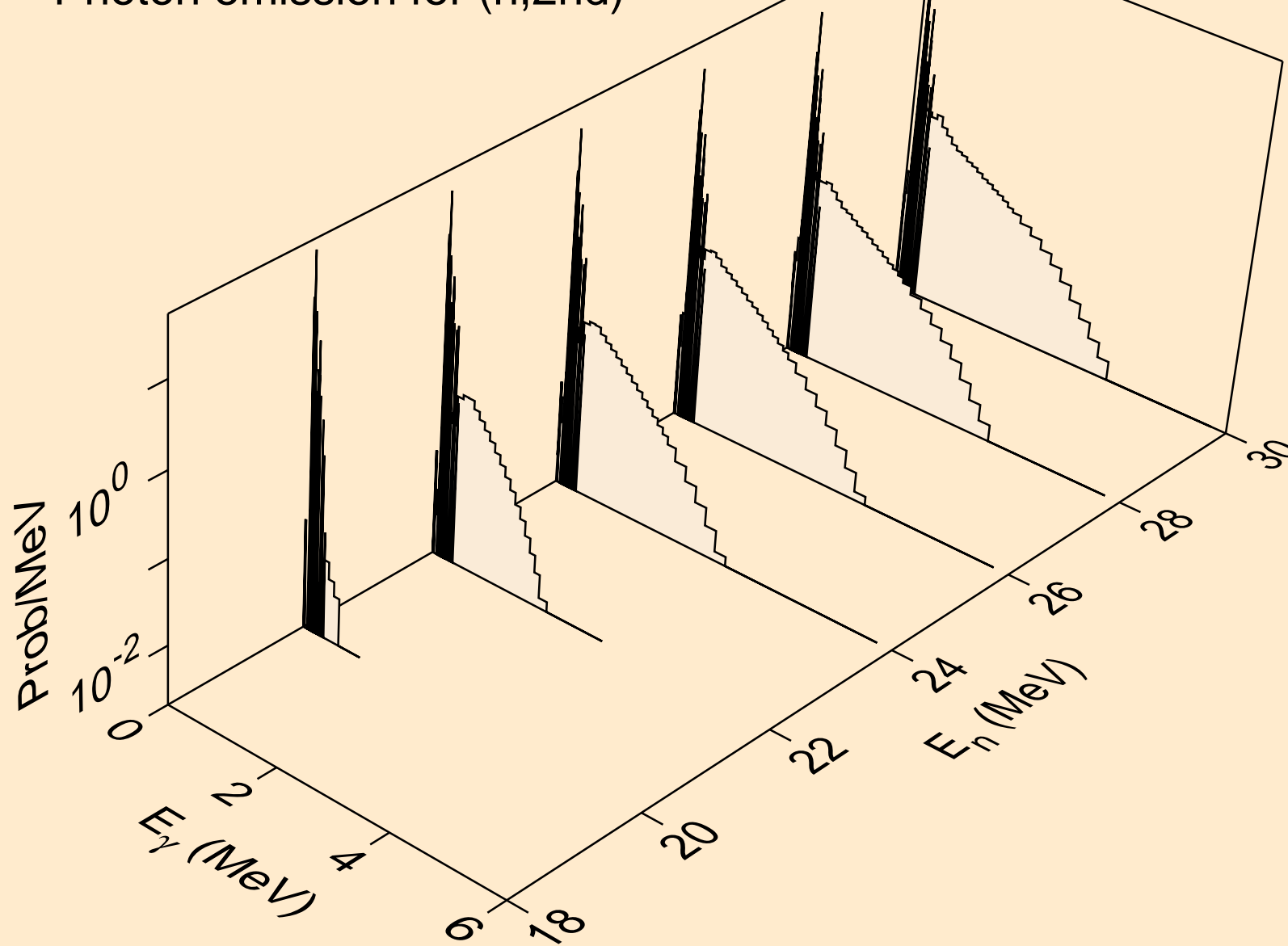
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



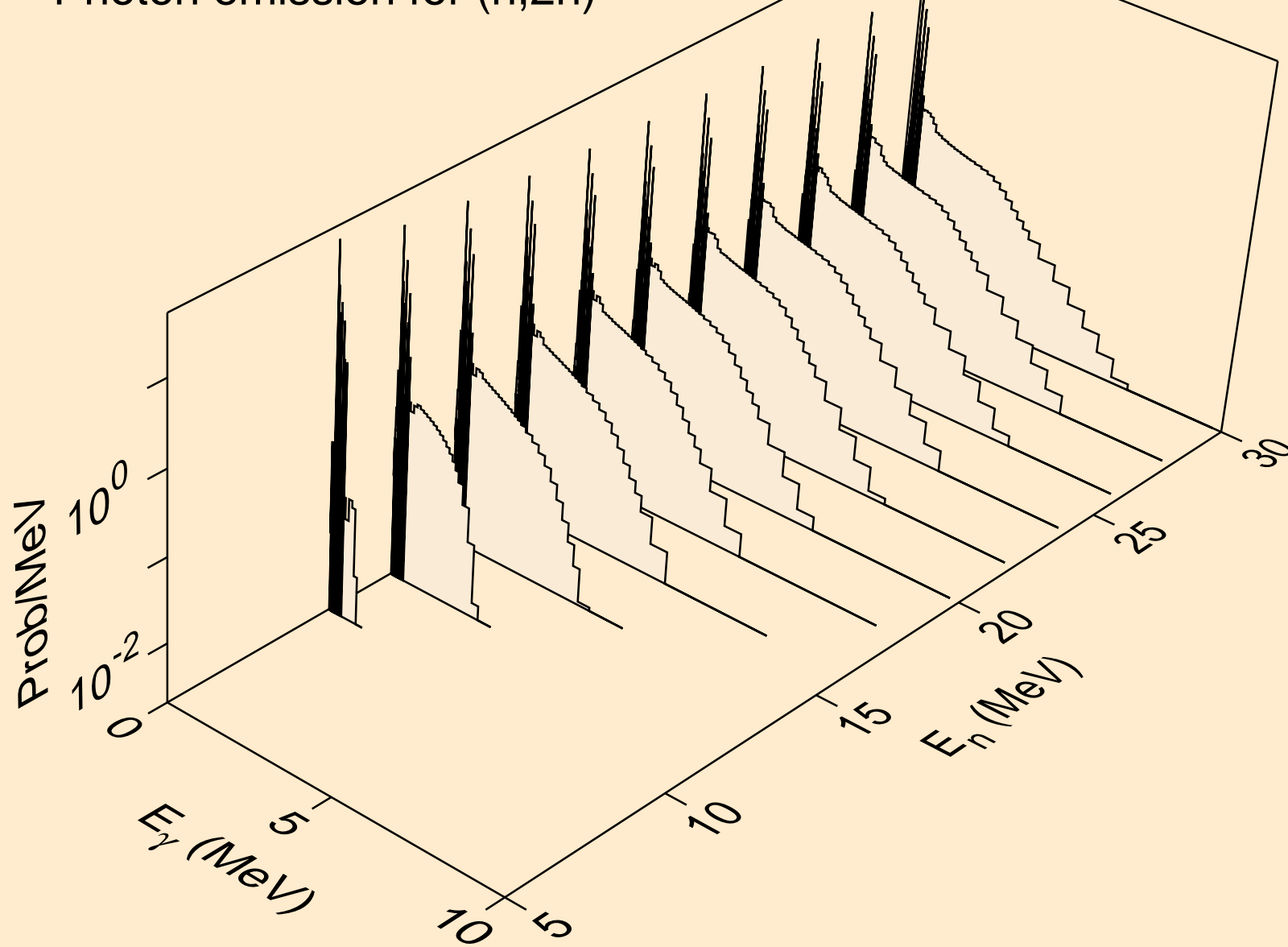
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



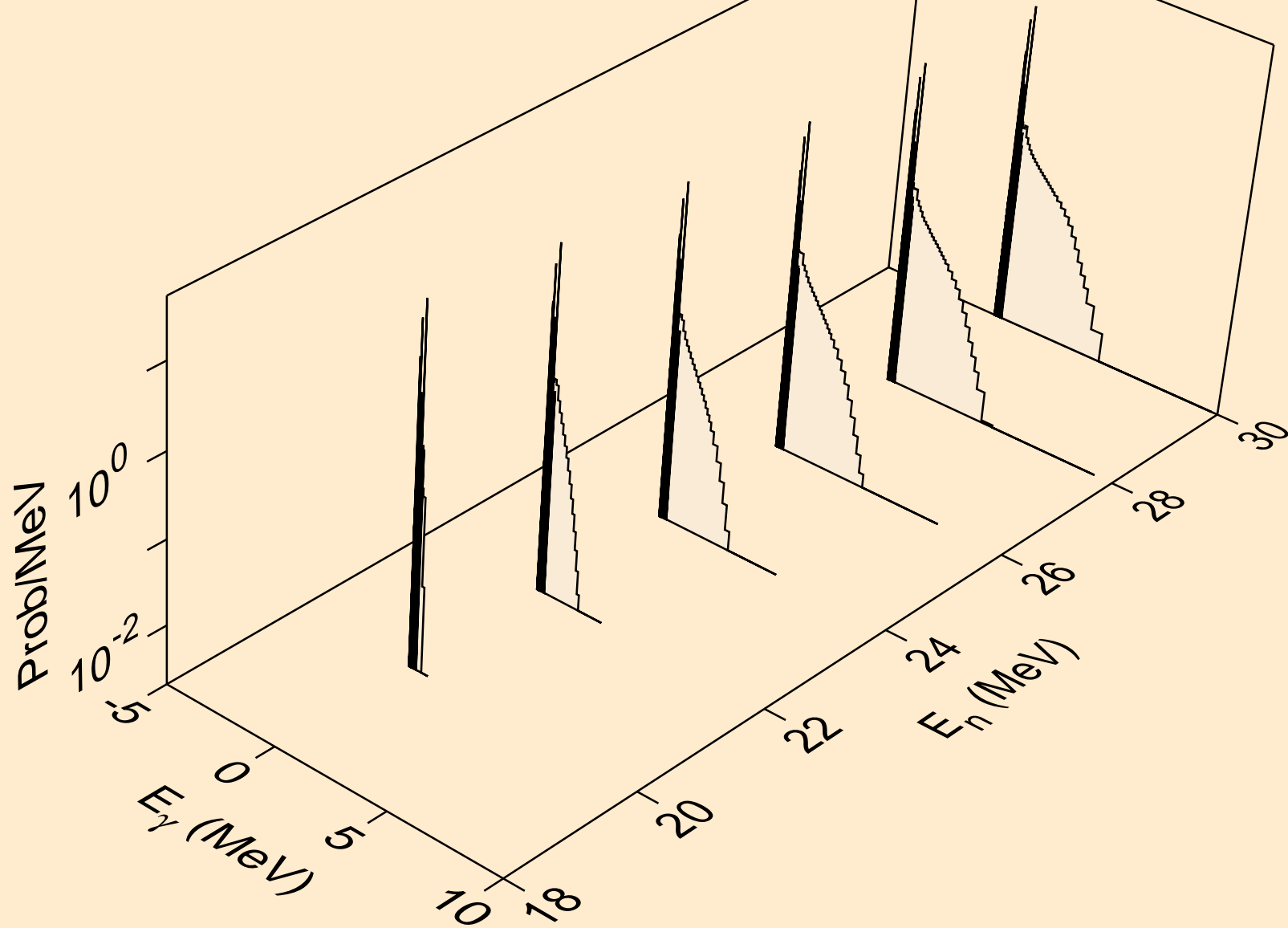
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



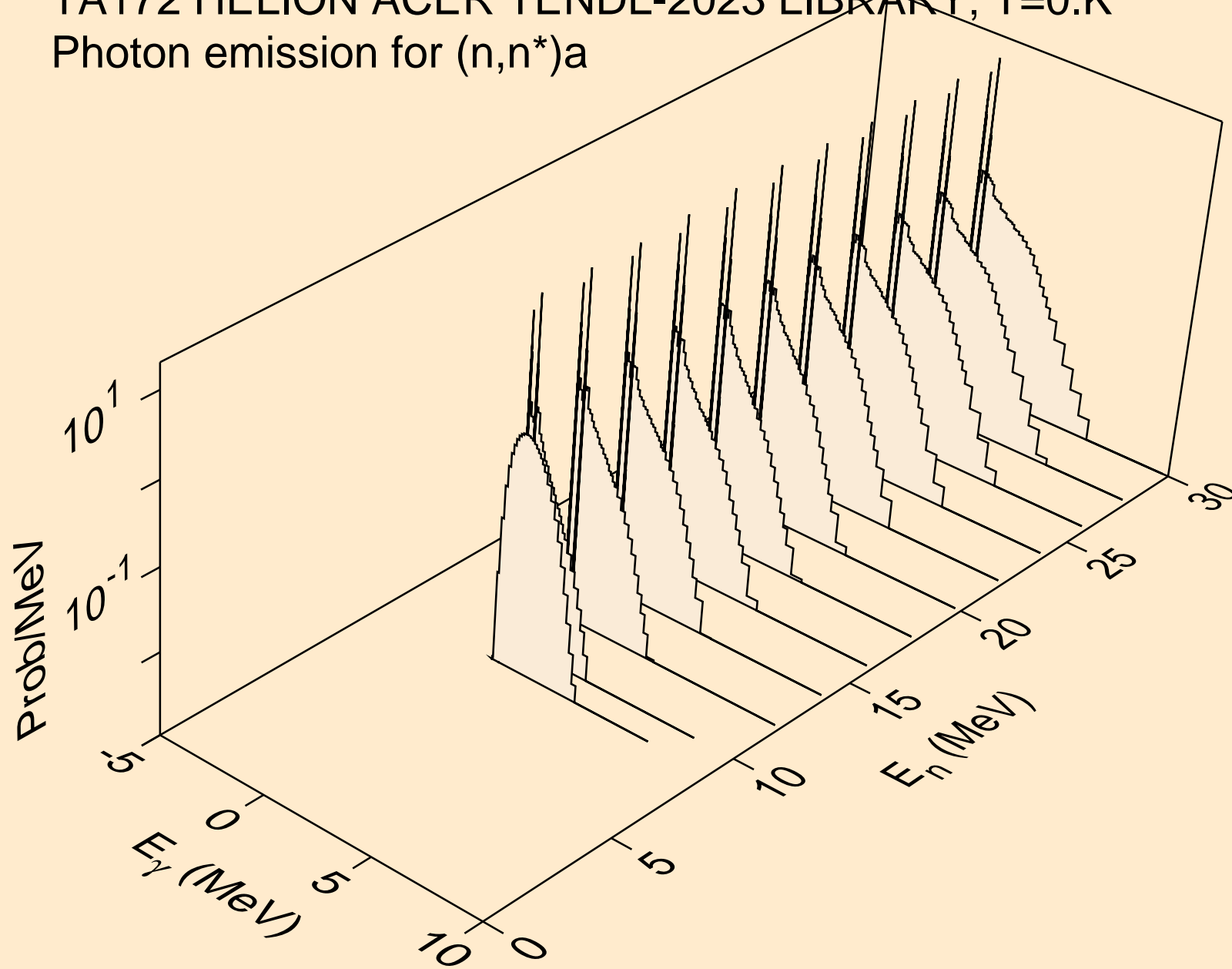
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



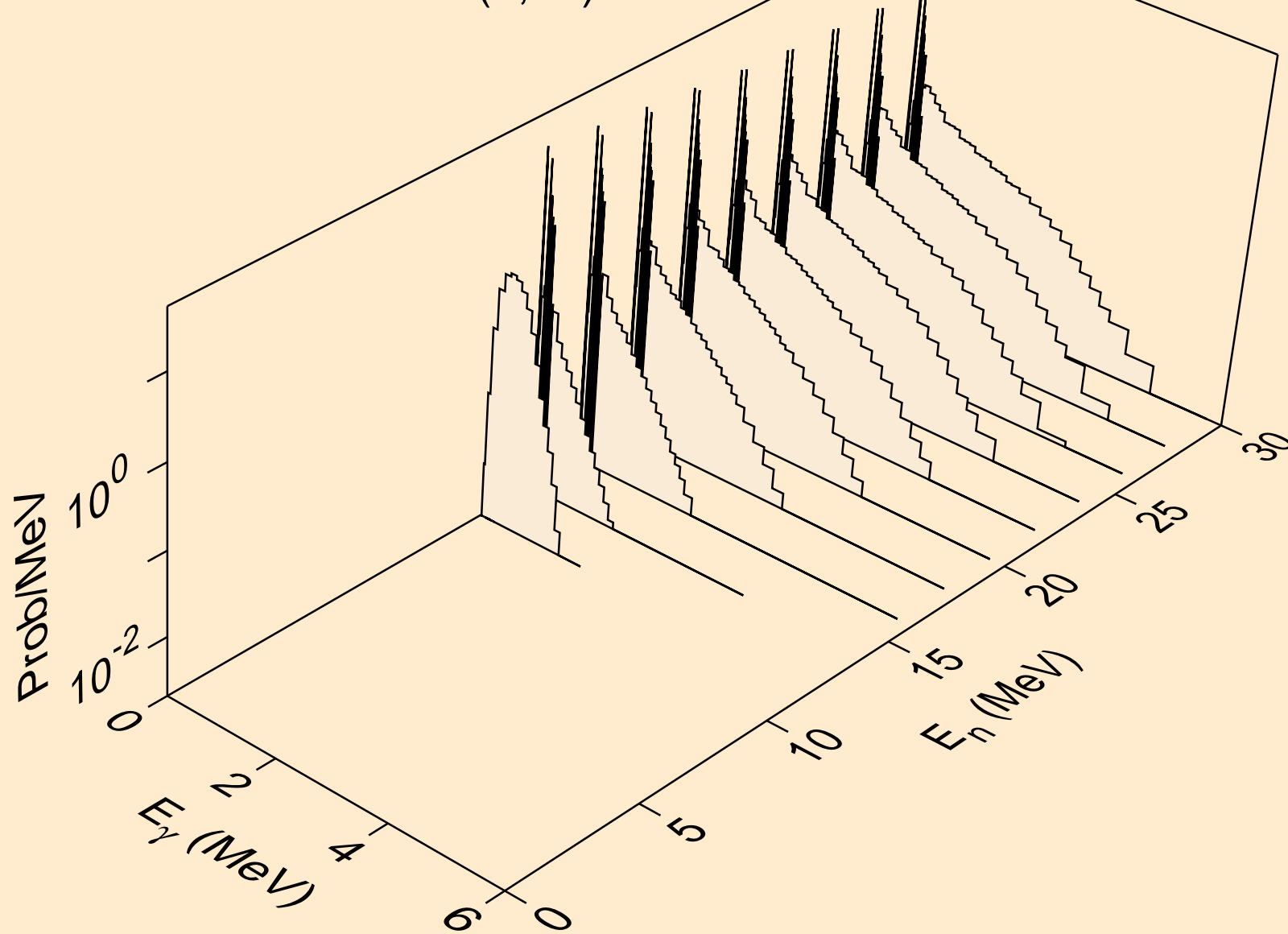
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

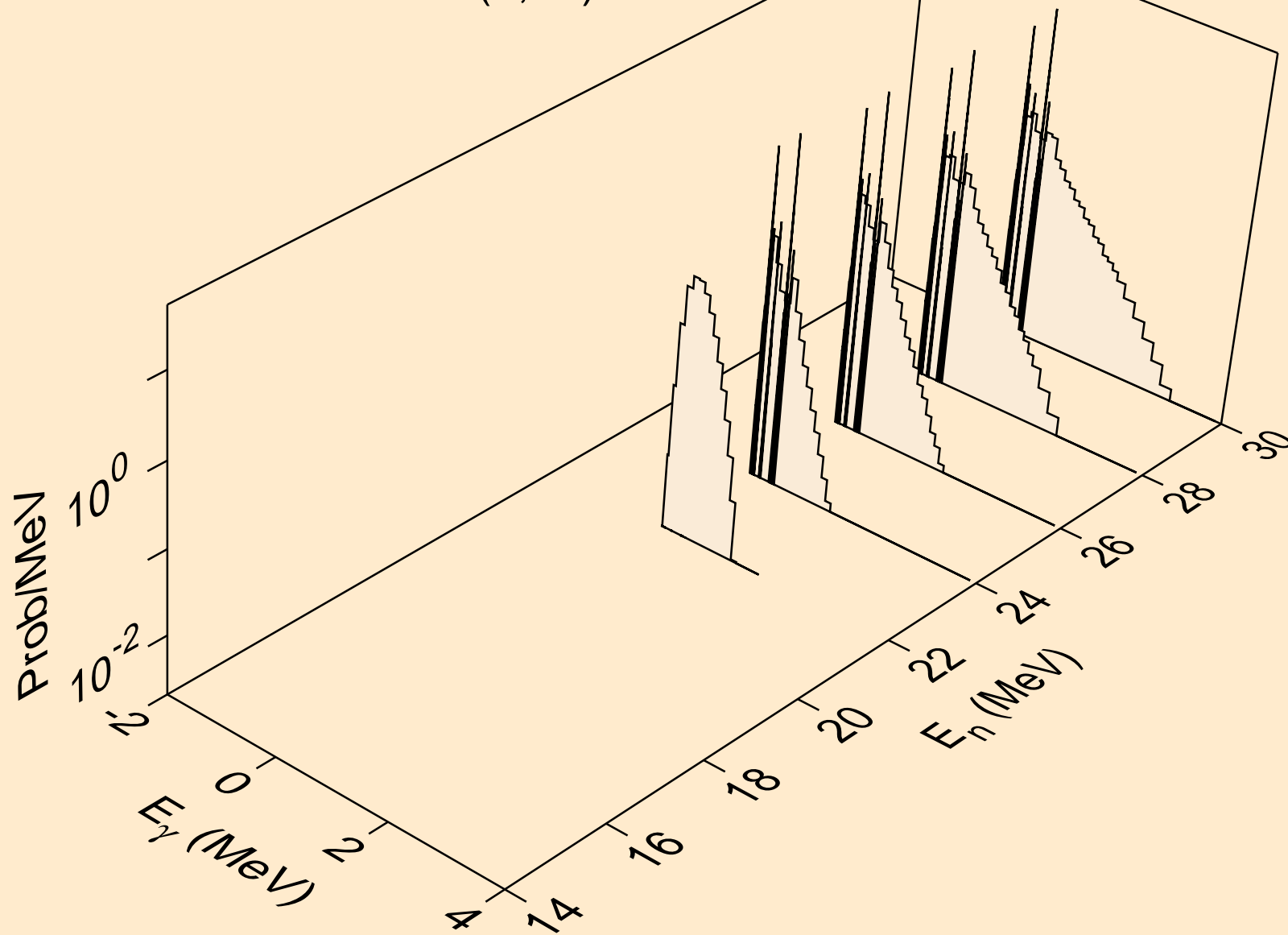


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Photon emission for (n,2n)a

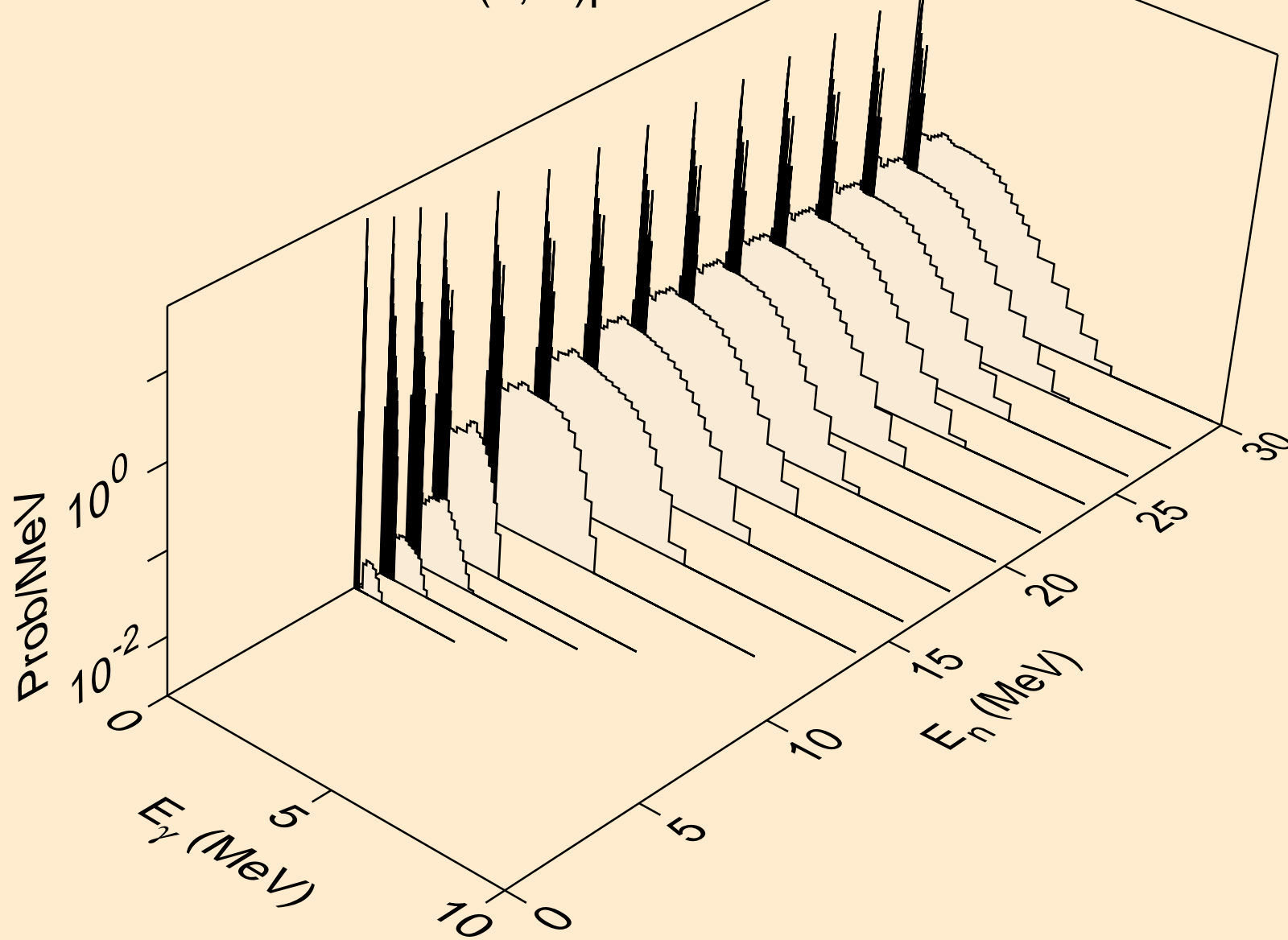




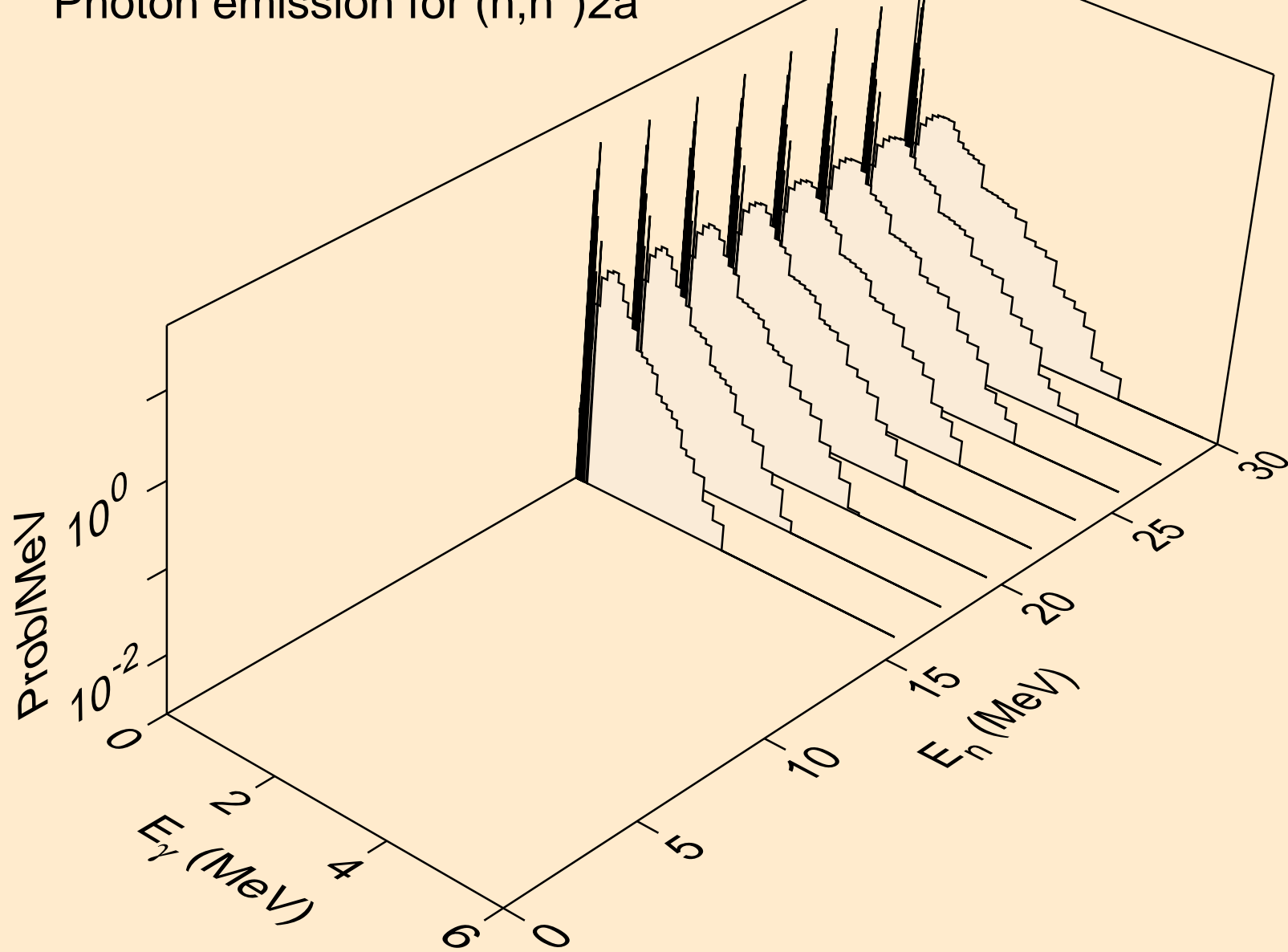
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Photon emission for (n,3n)a



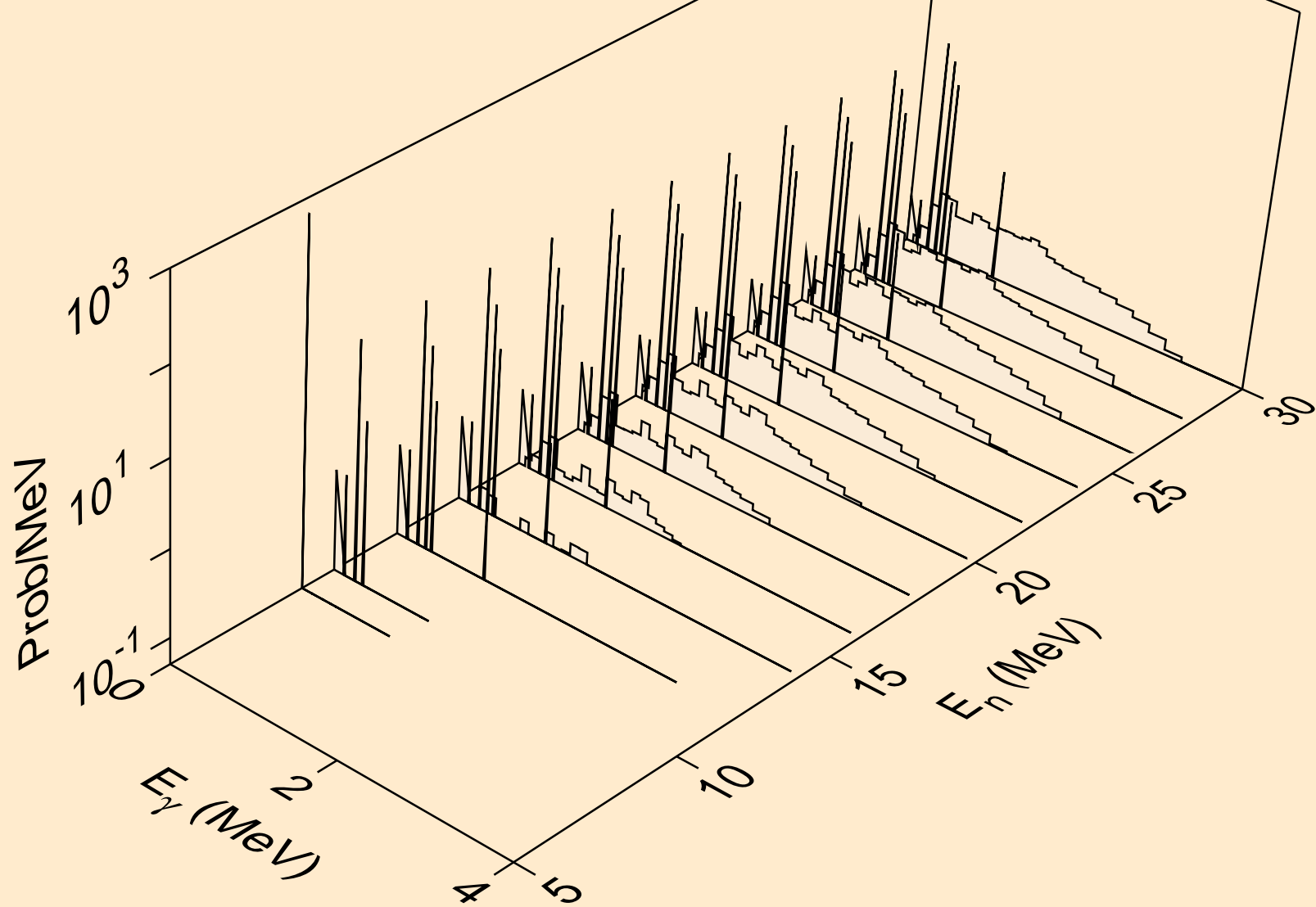
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



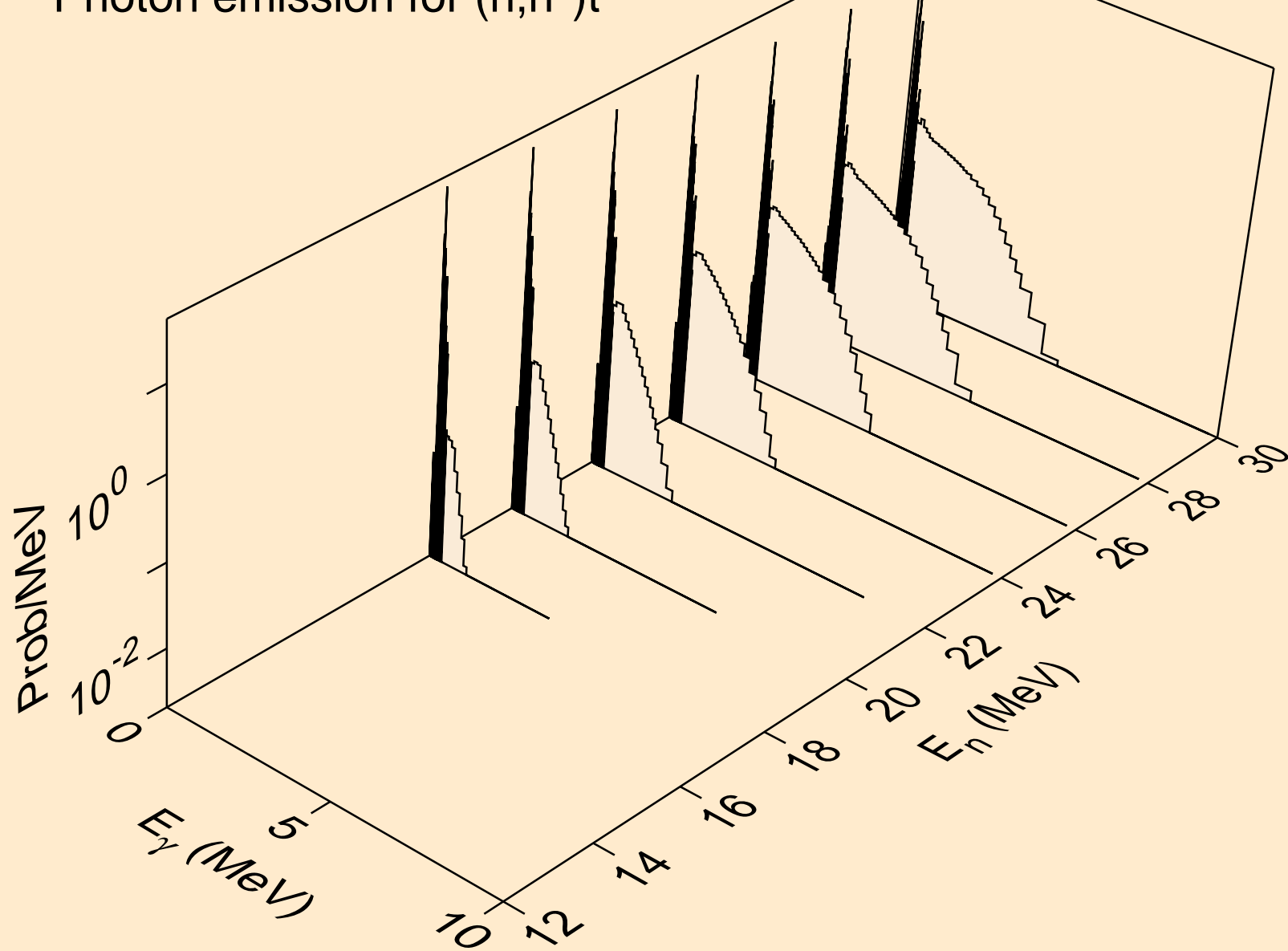
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Photon emission for (n,n\*)2a



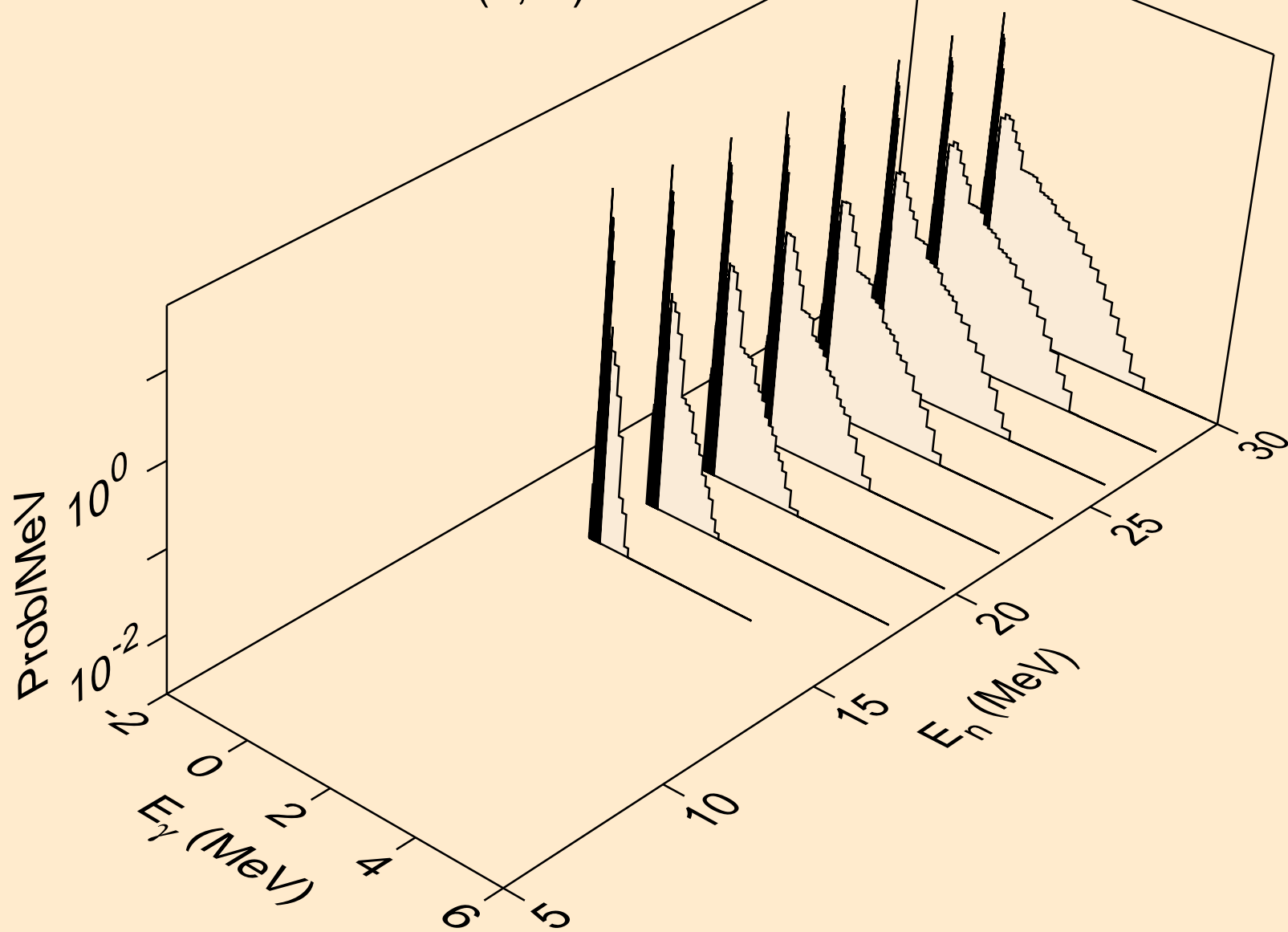
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



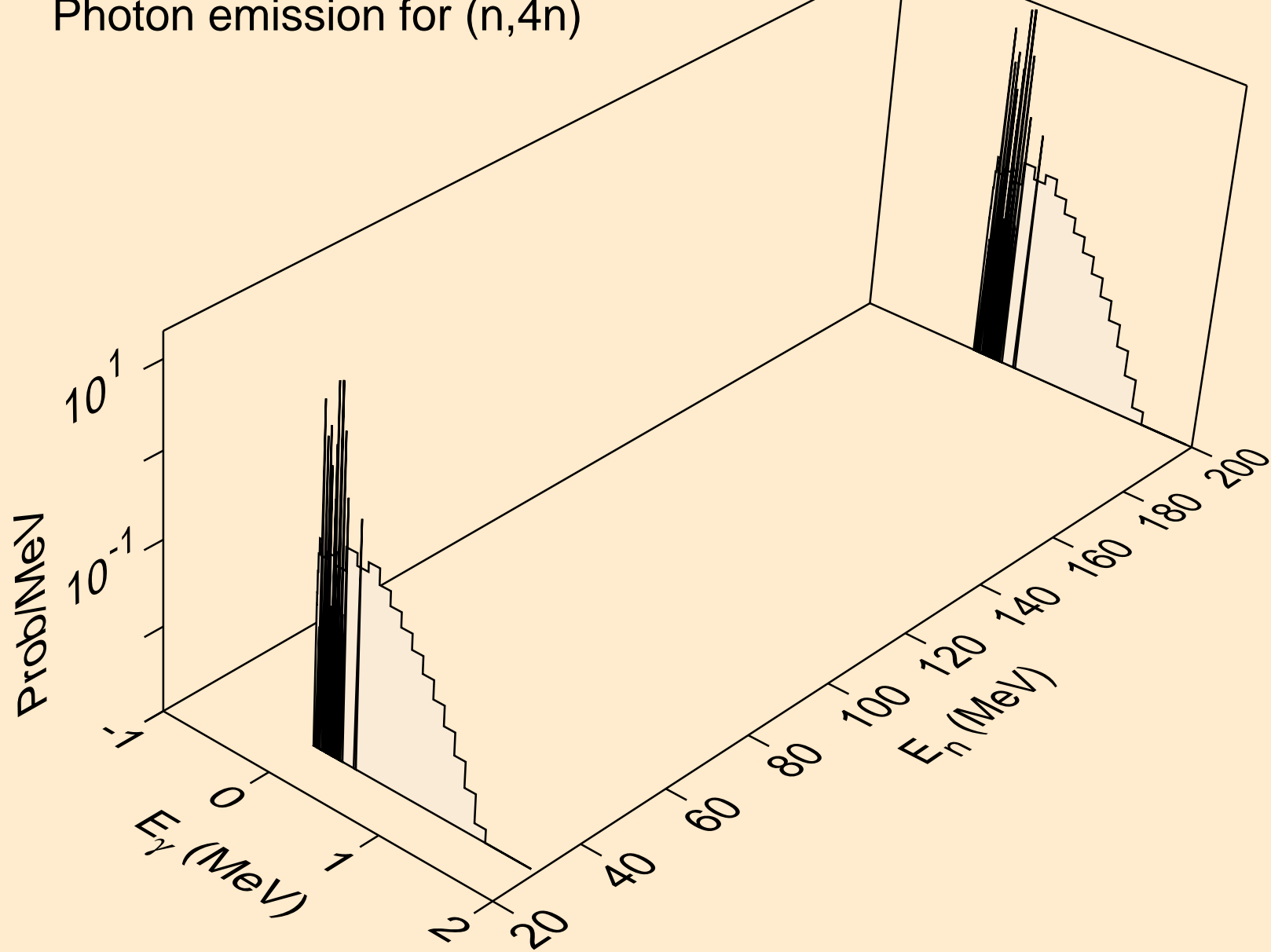
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



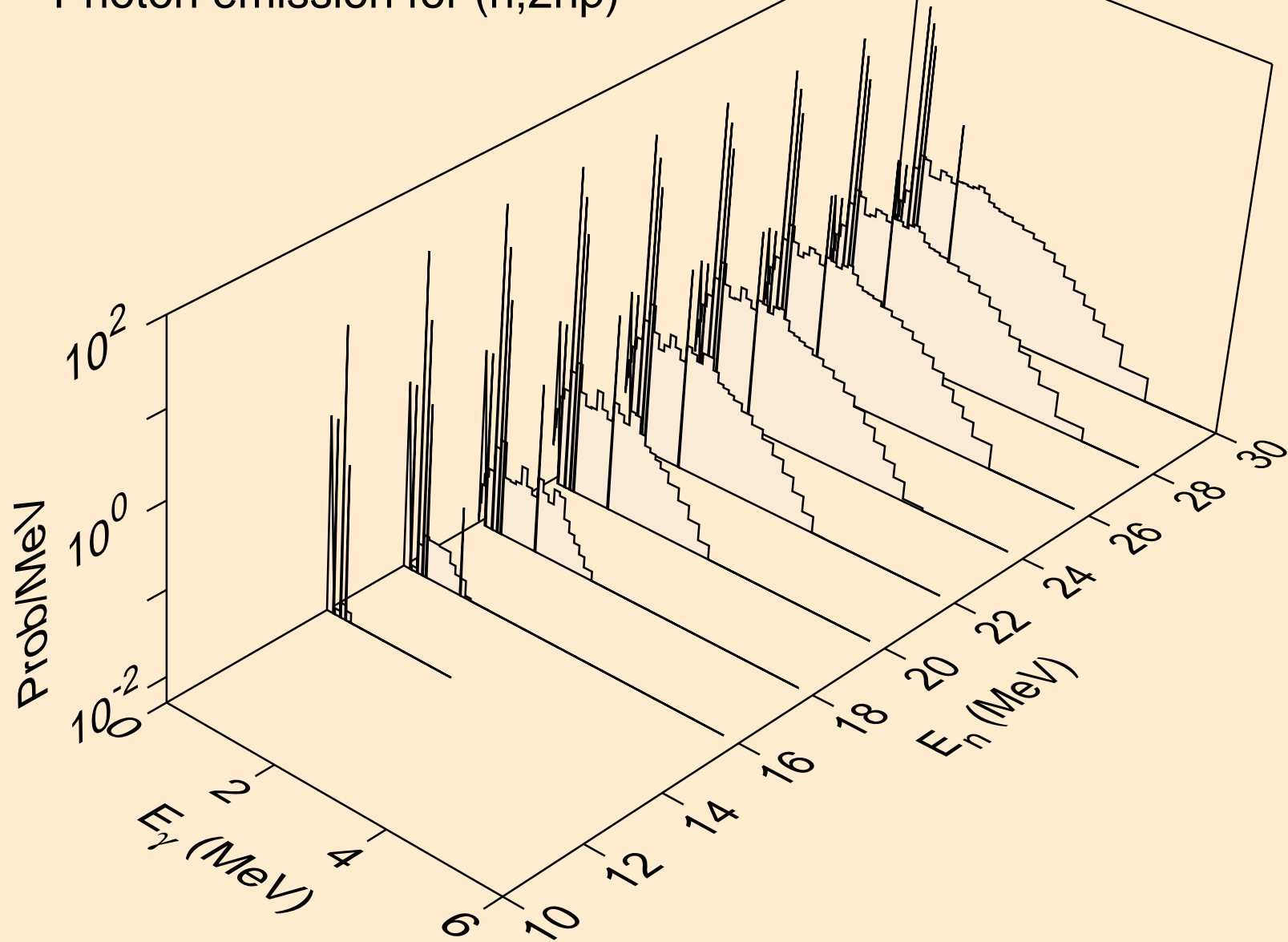
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)

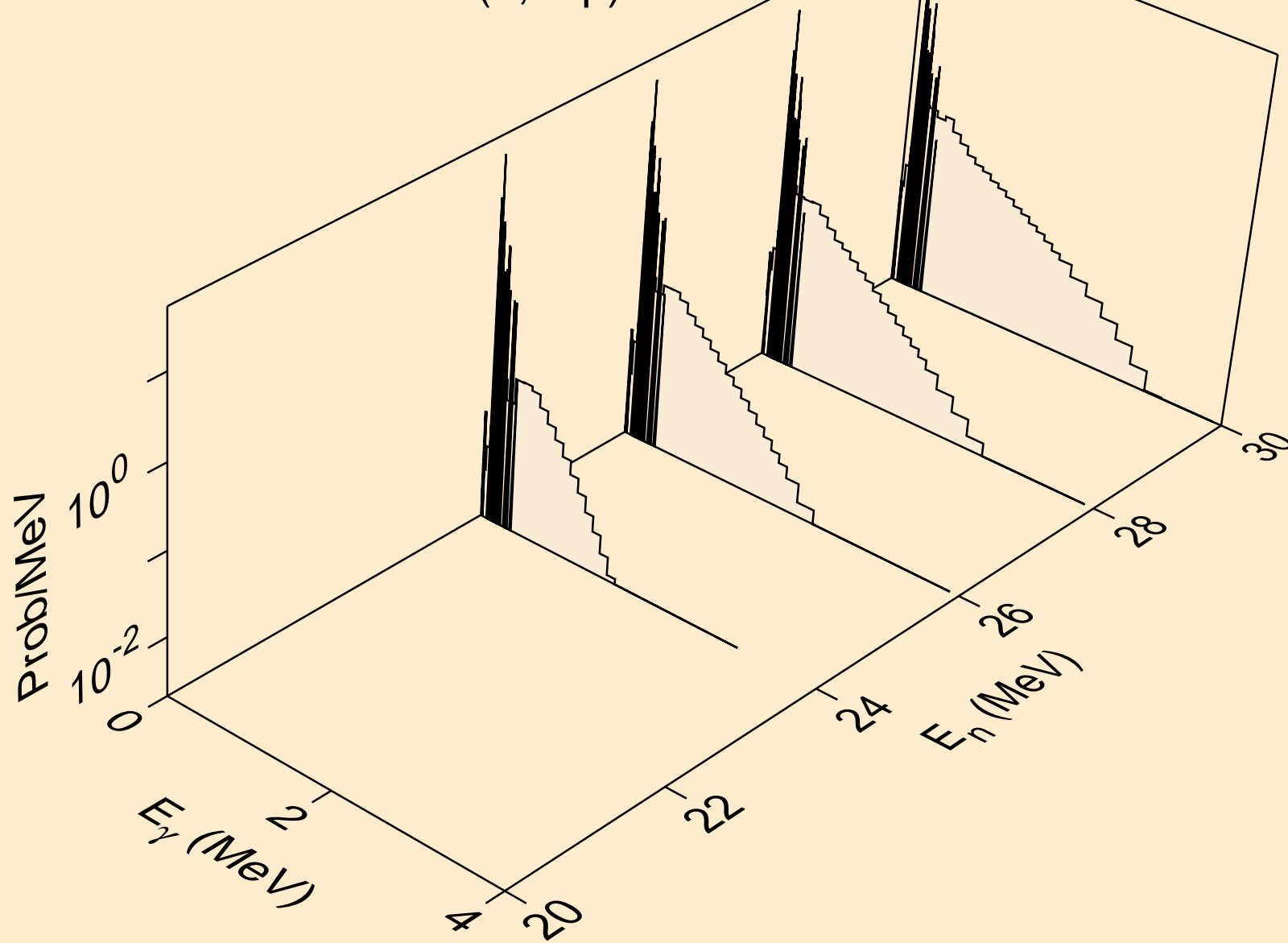


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Photon emission for (n,2np)

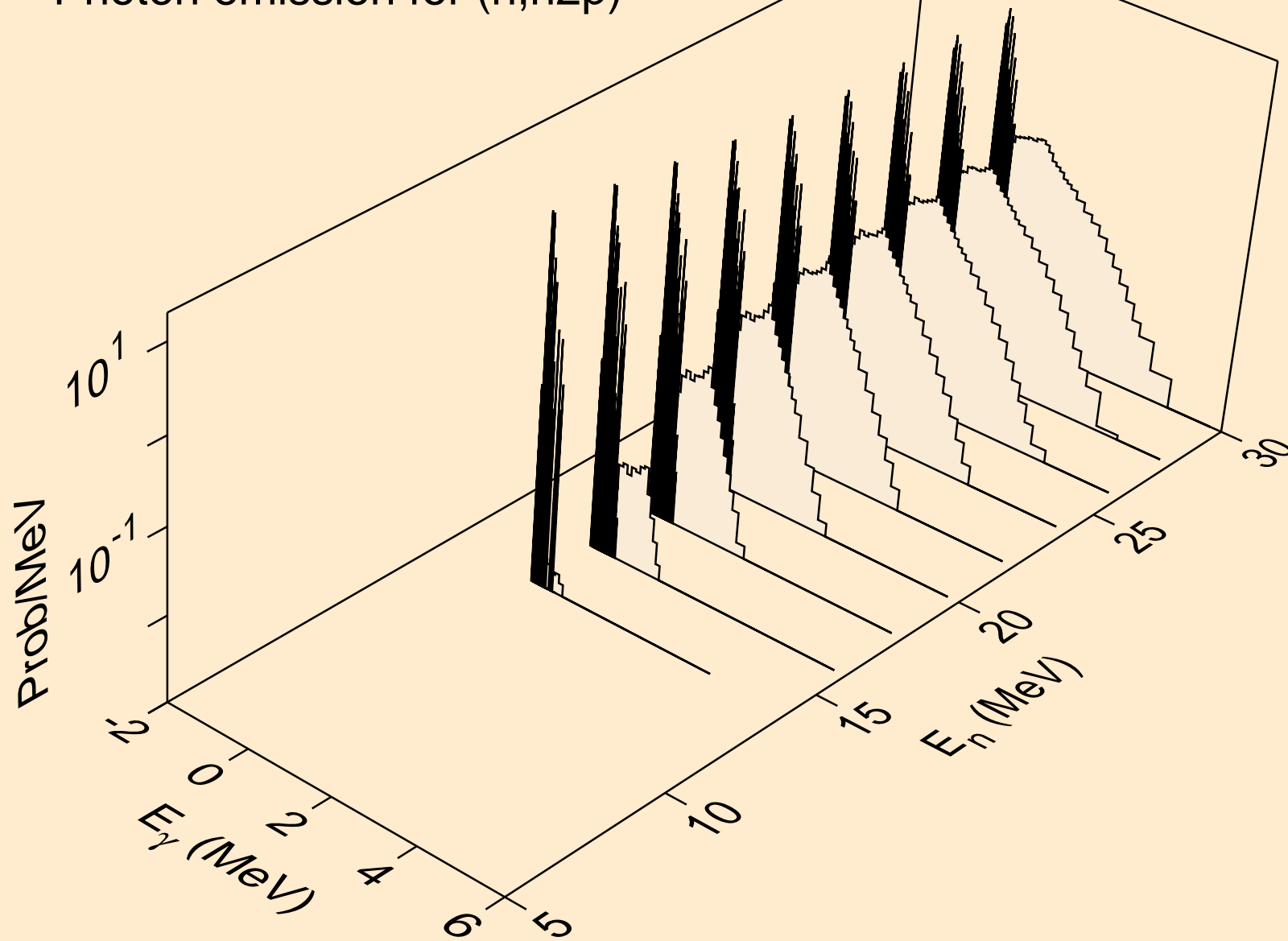




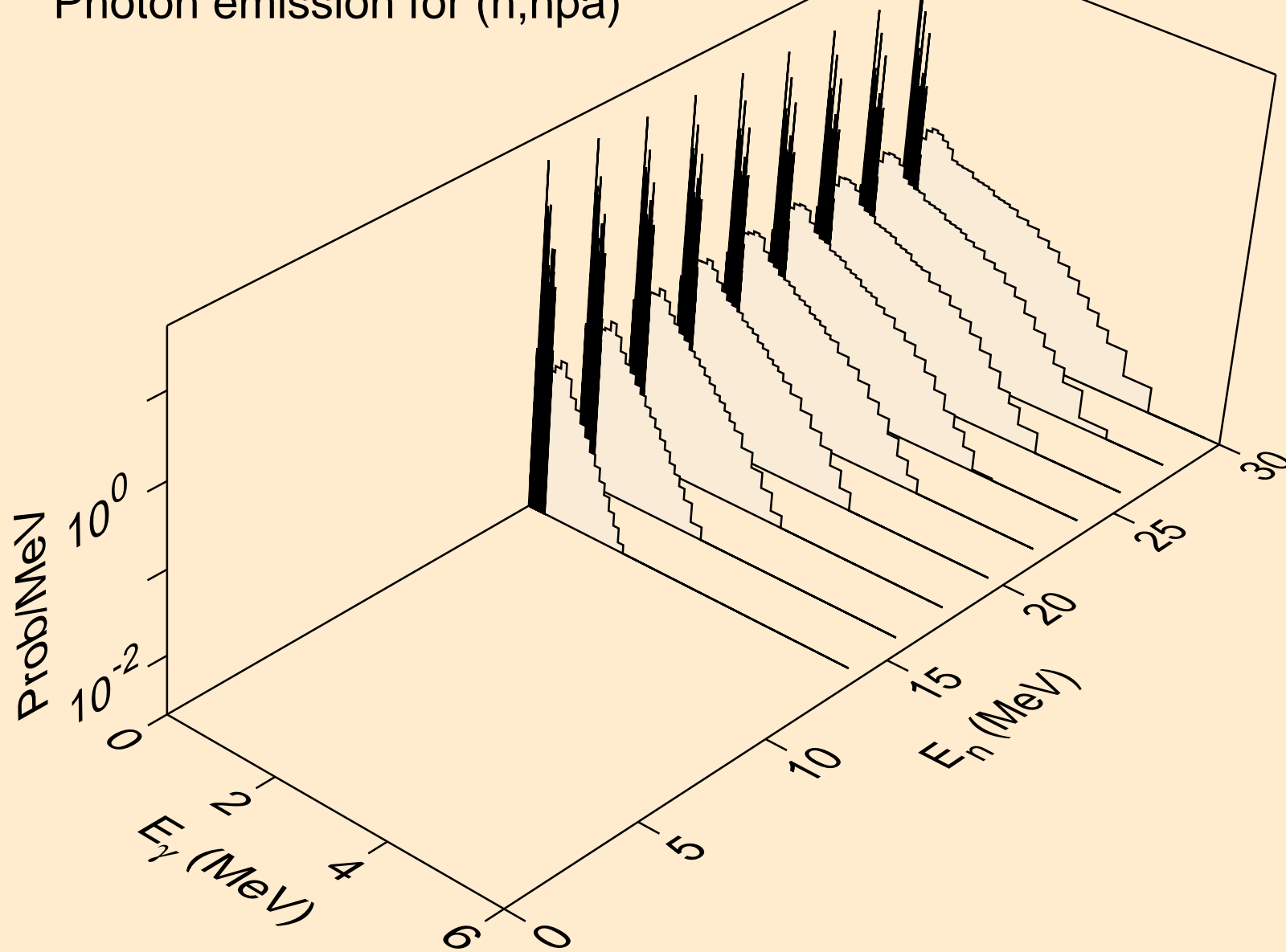
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Photon emission for (n,3np)



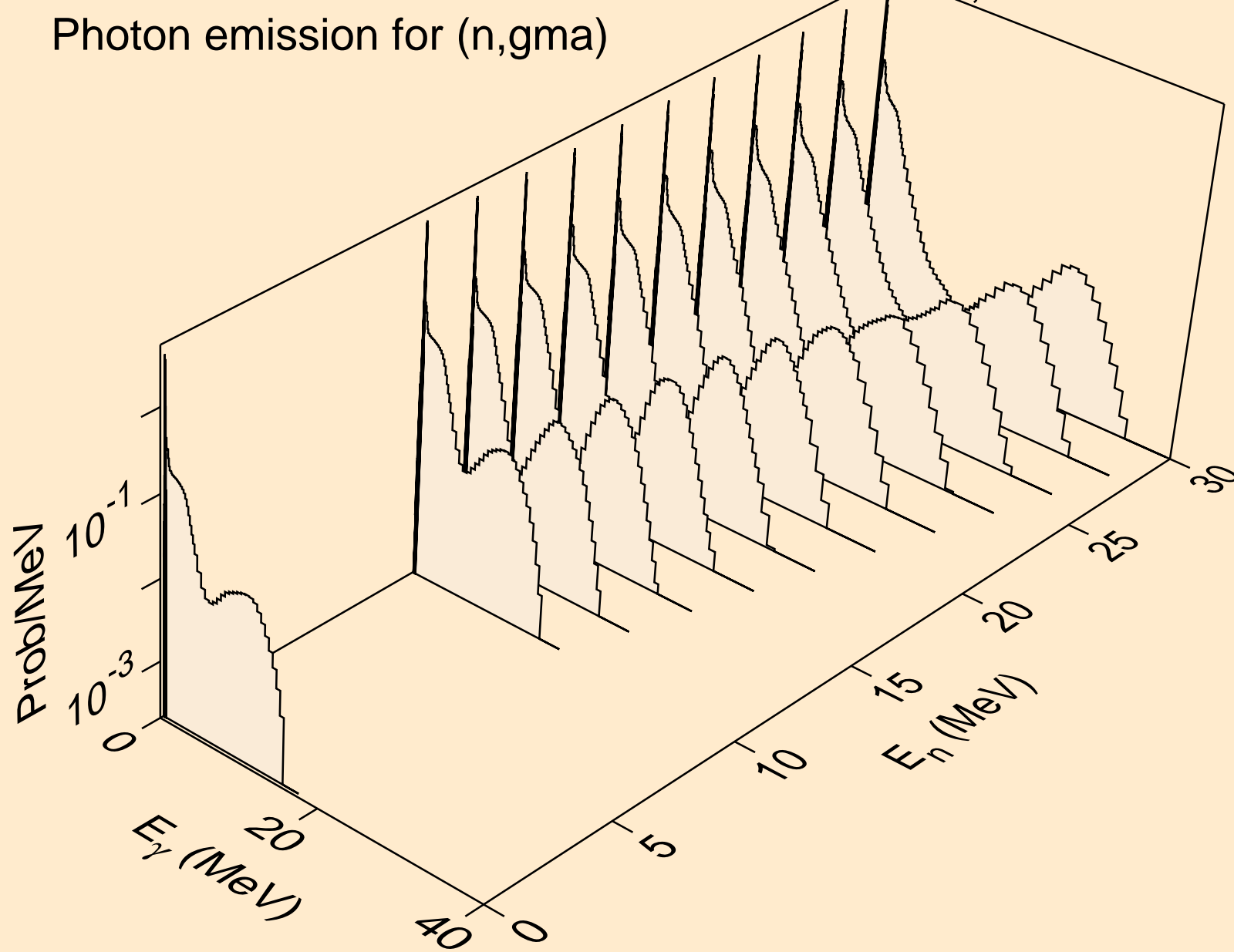
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Photon emission for (n,n2p)



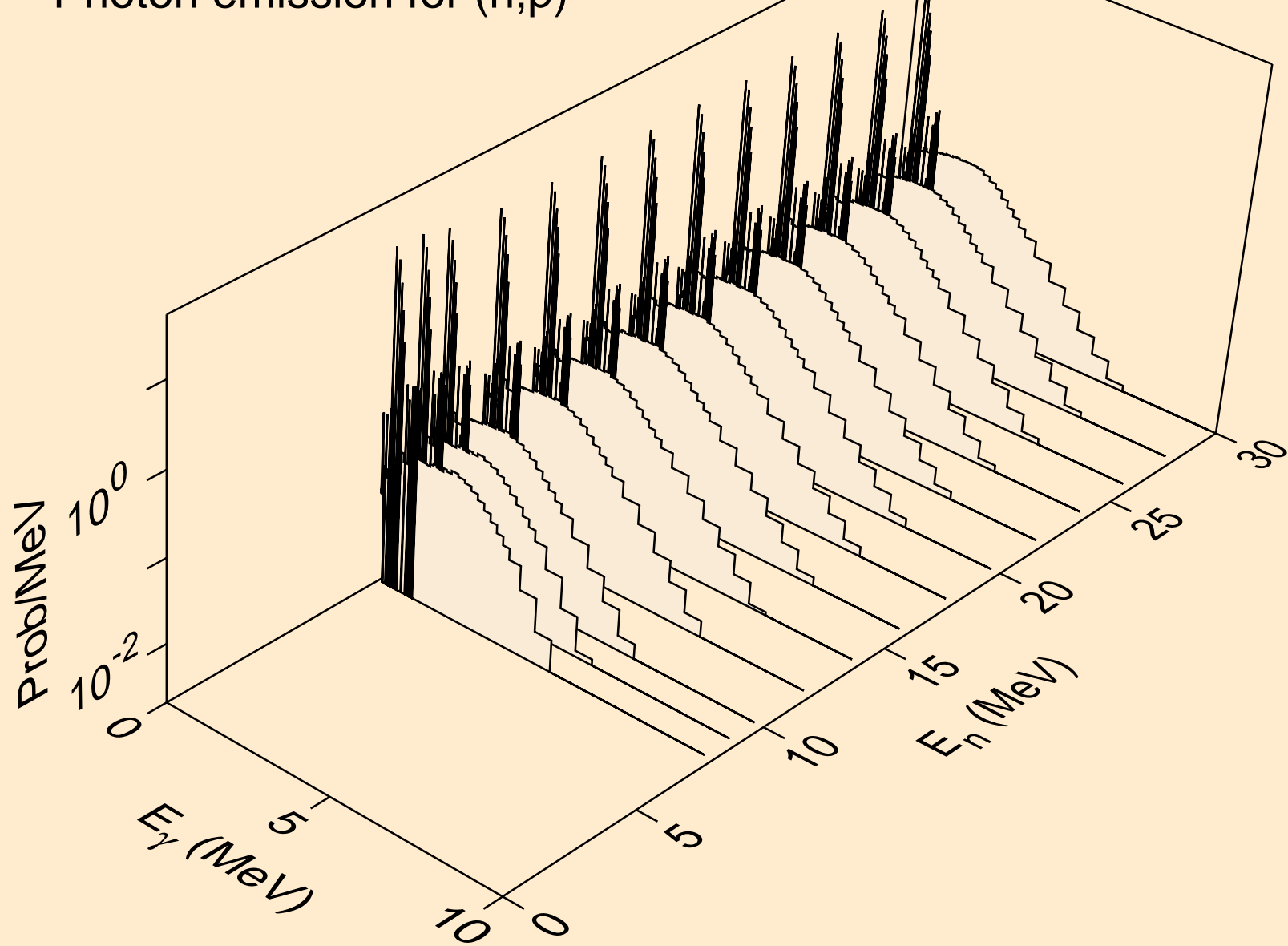
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Photon emission for (n,npa)



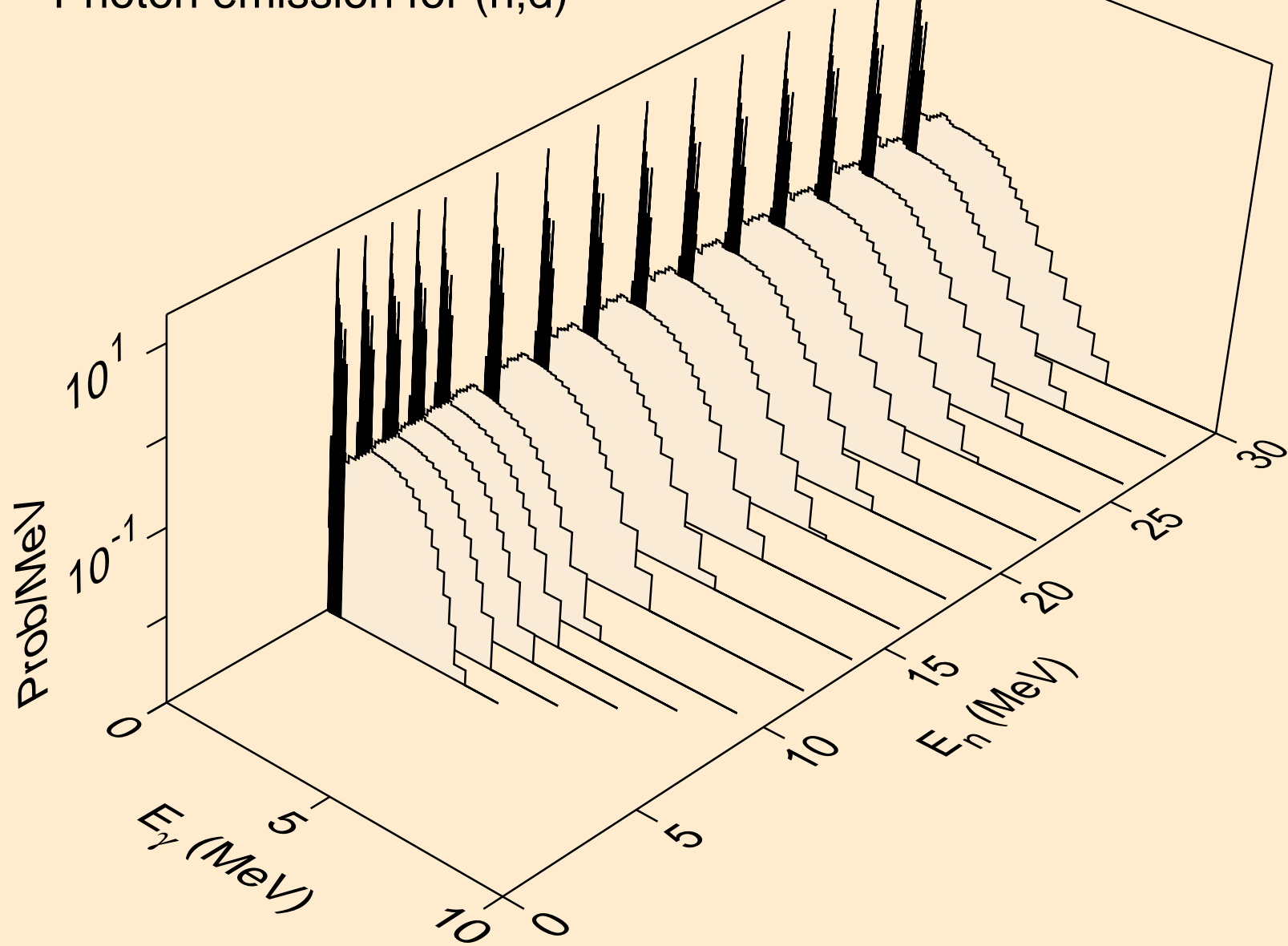
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Photon emission for (n,gma)



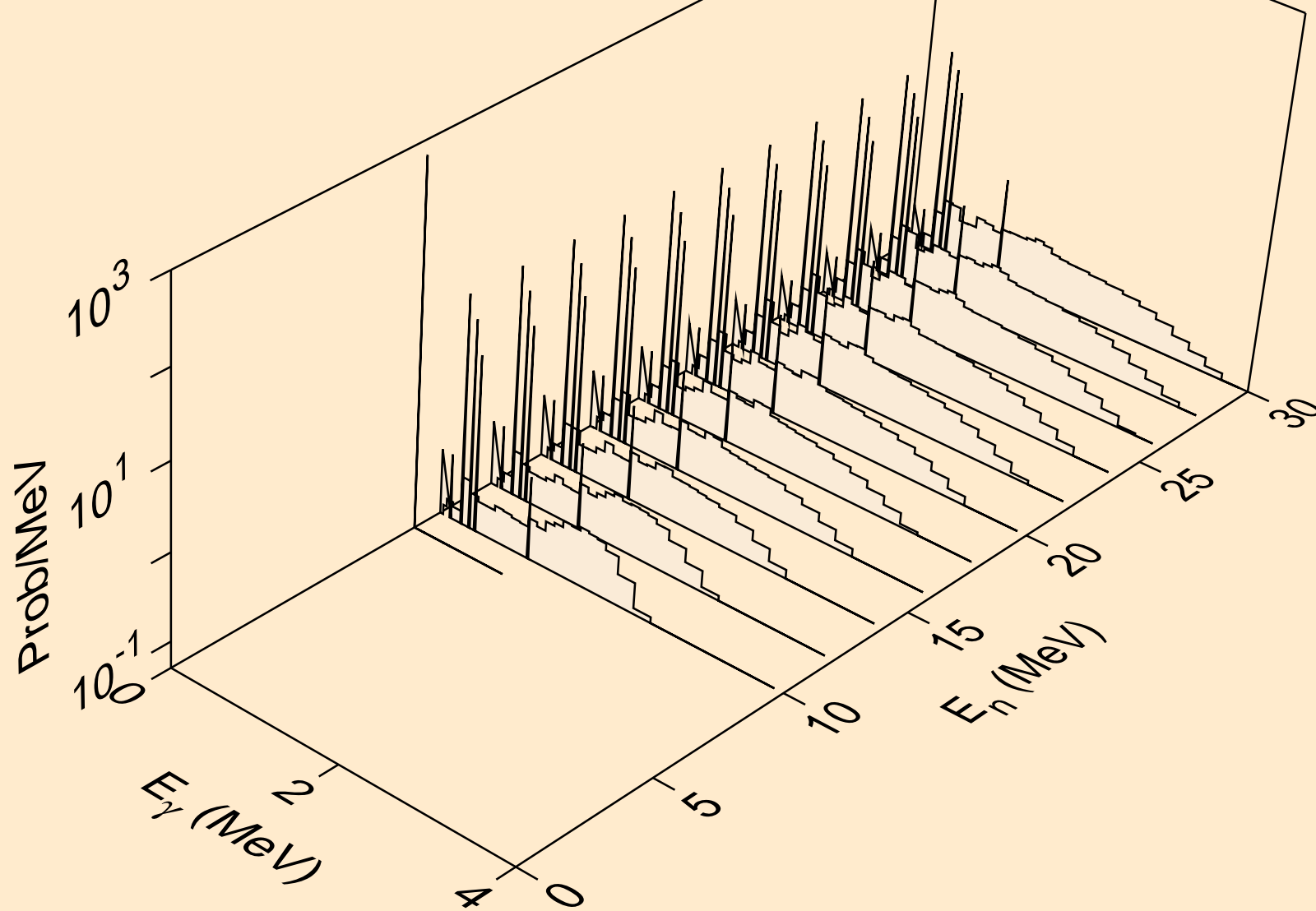
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Photon emission for (n,p)



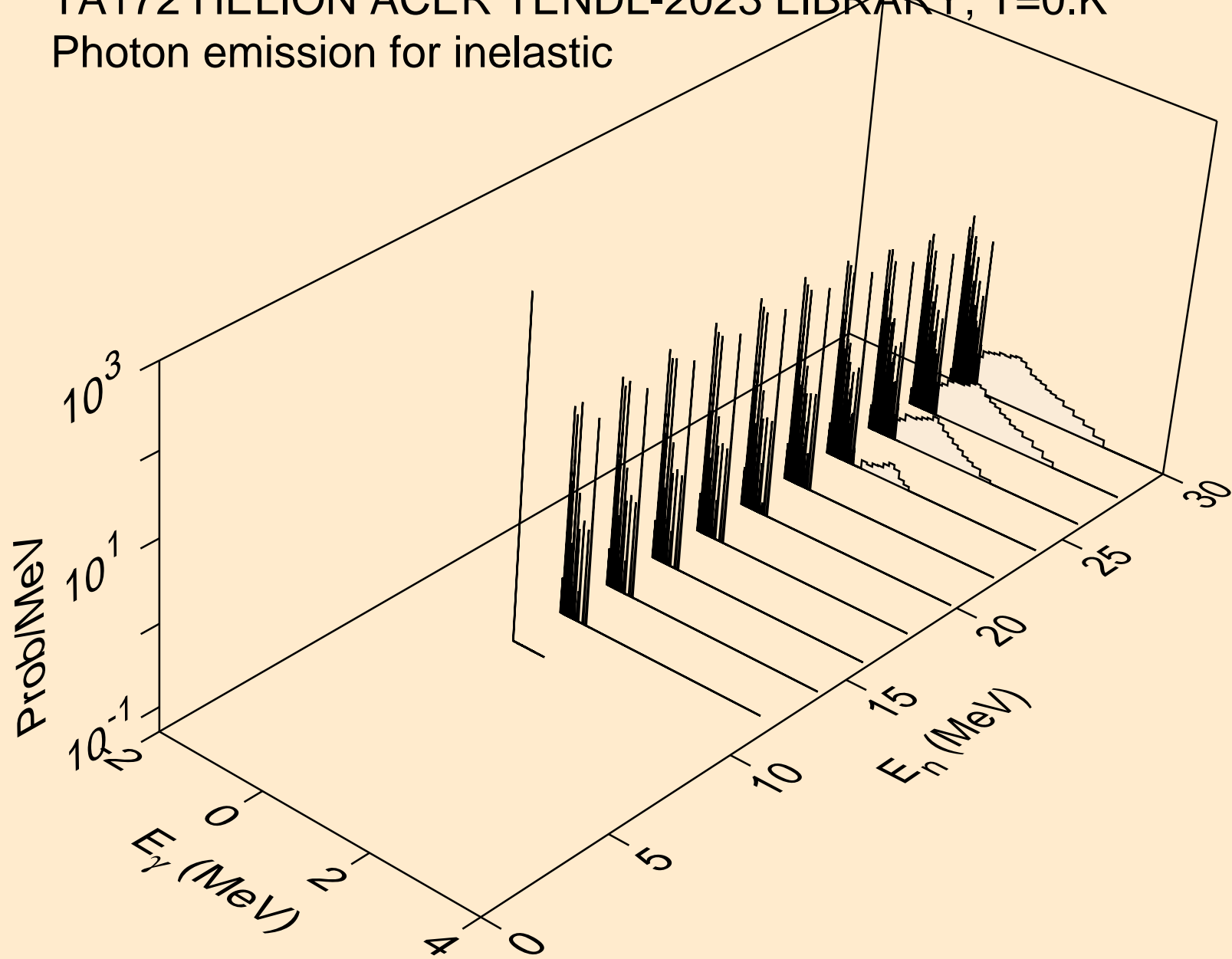
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

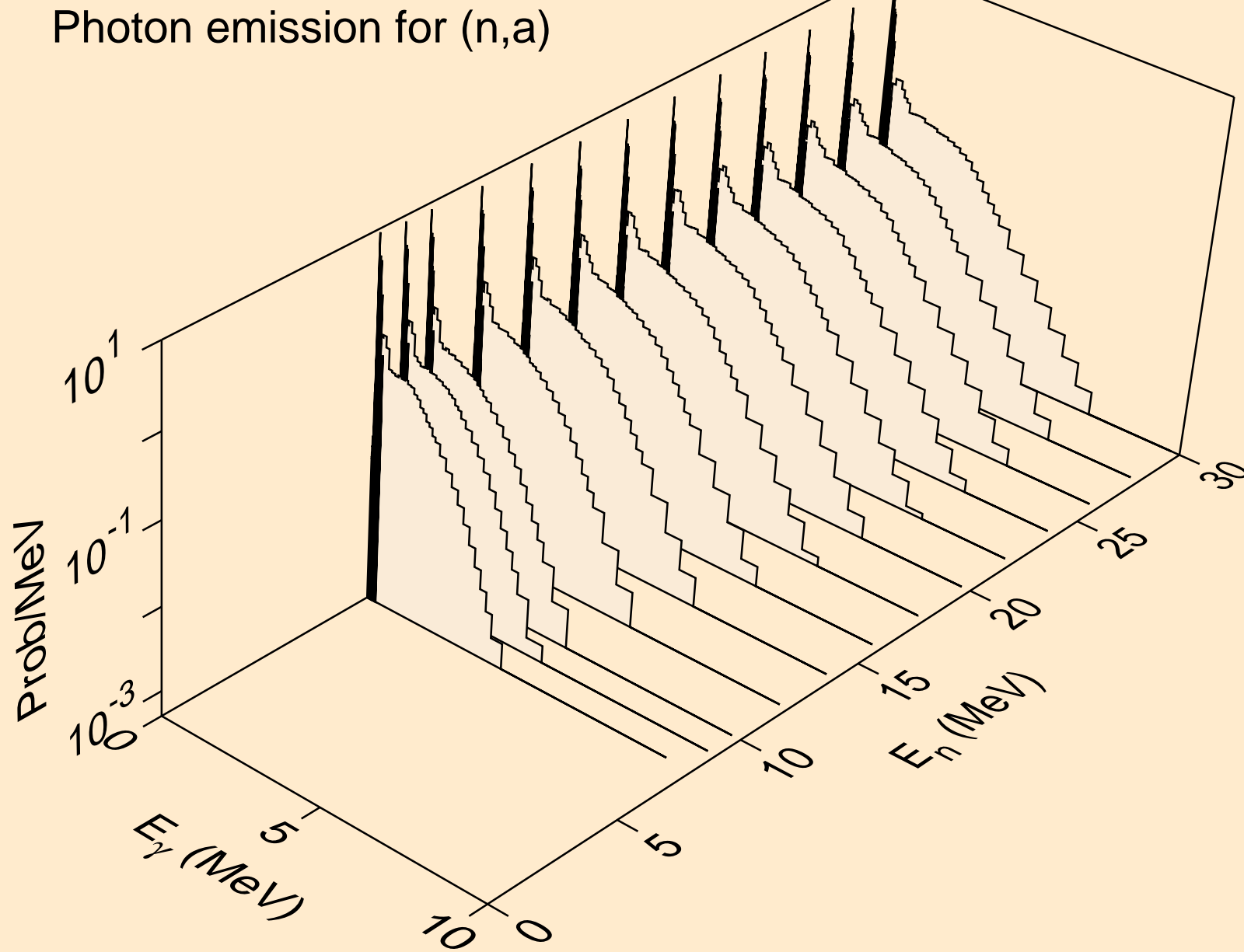


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Photon emission for inelastic

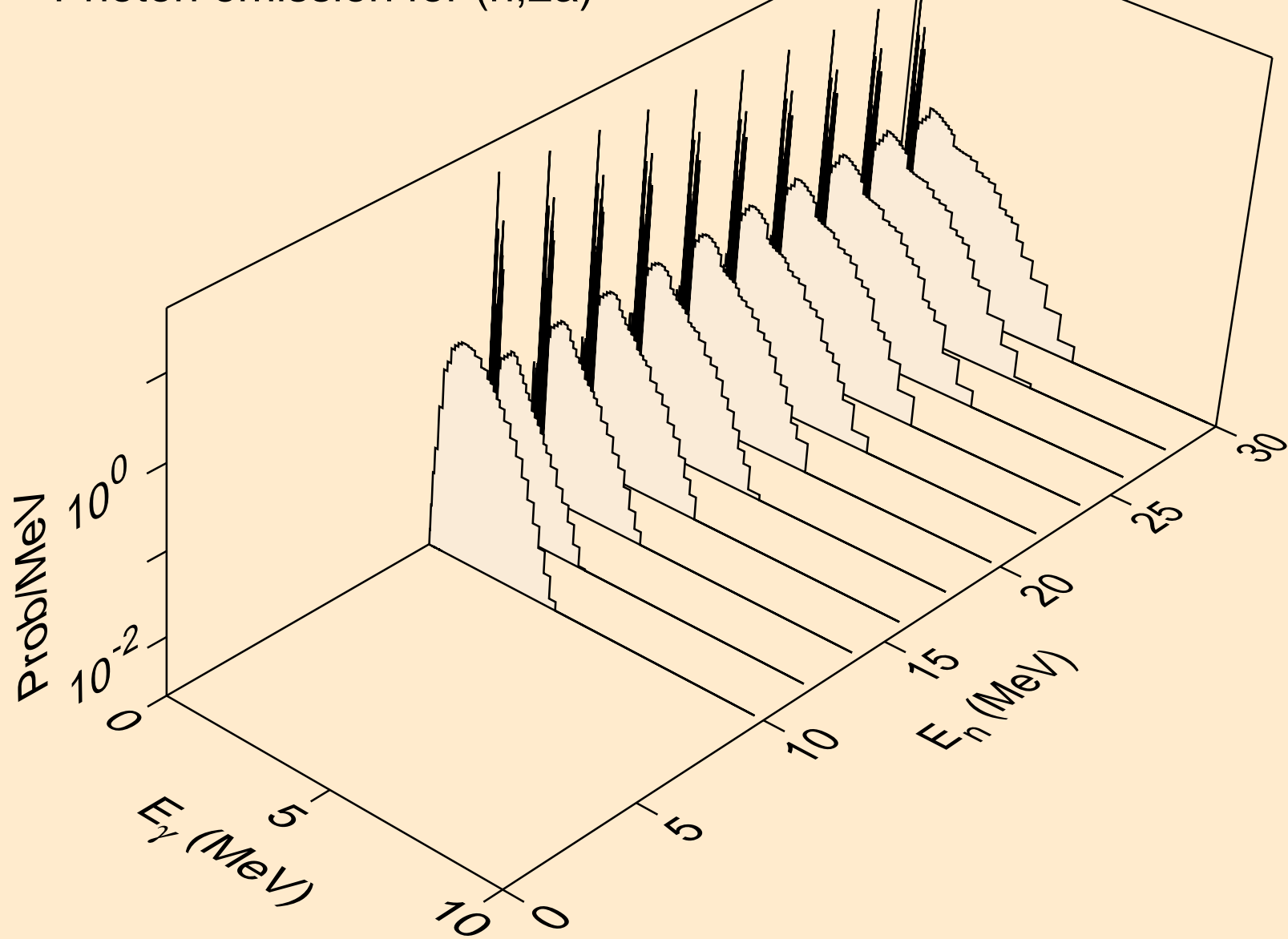




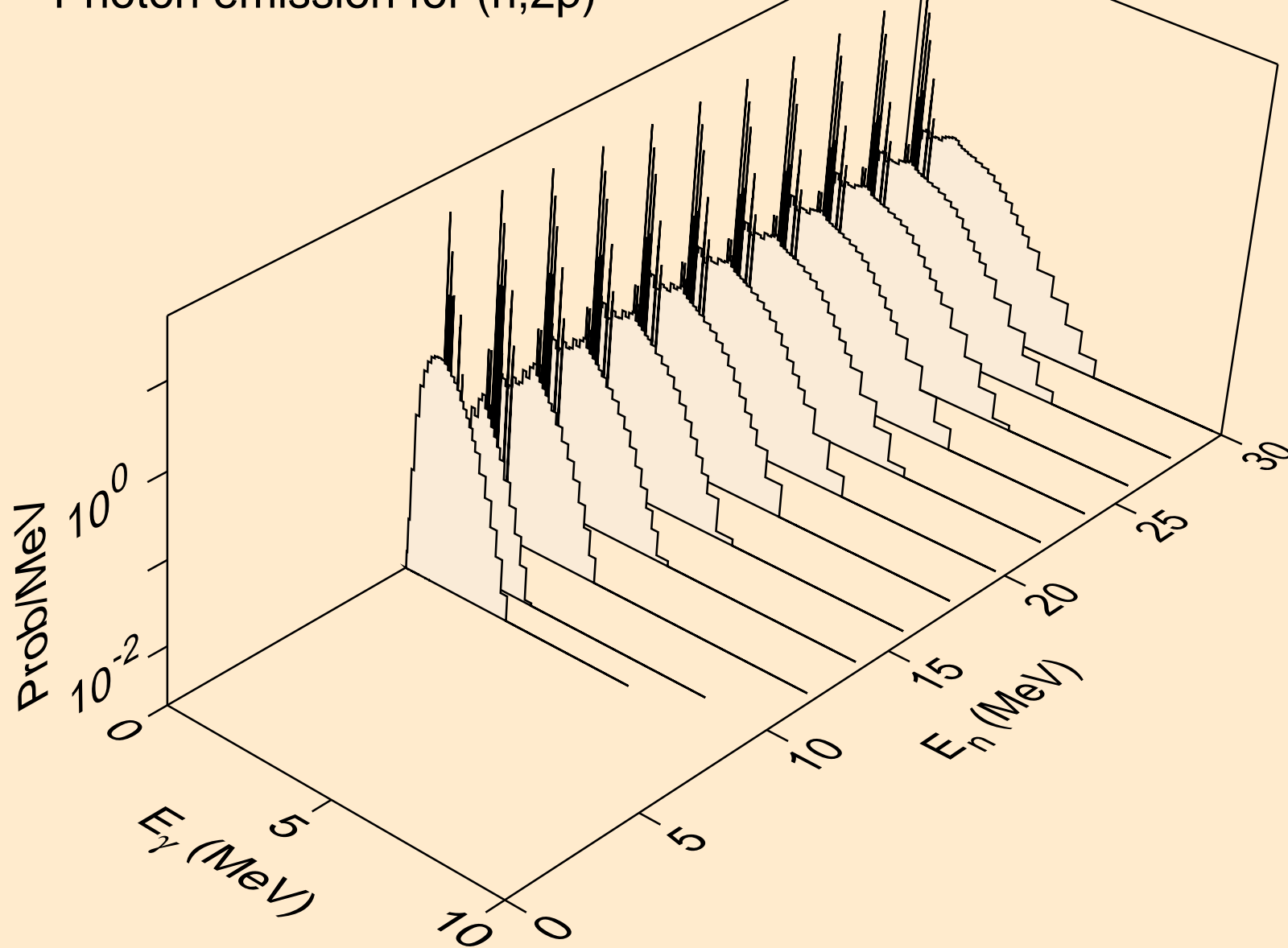
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Photon emission for (n,a)



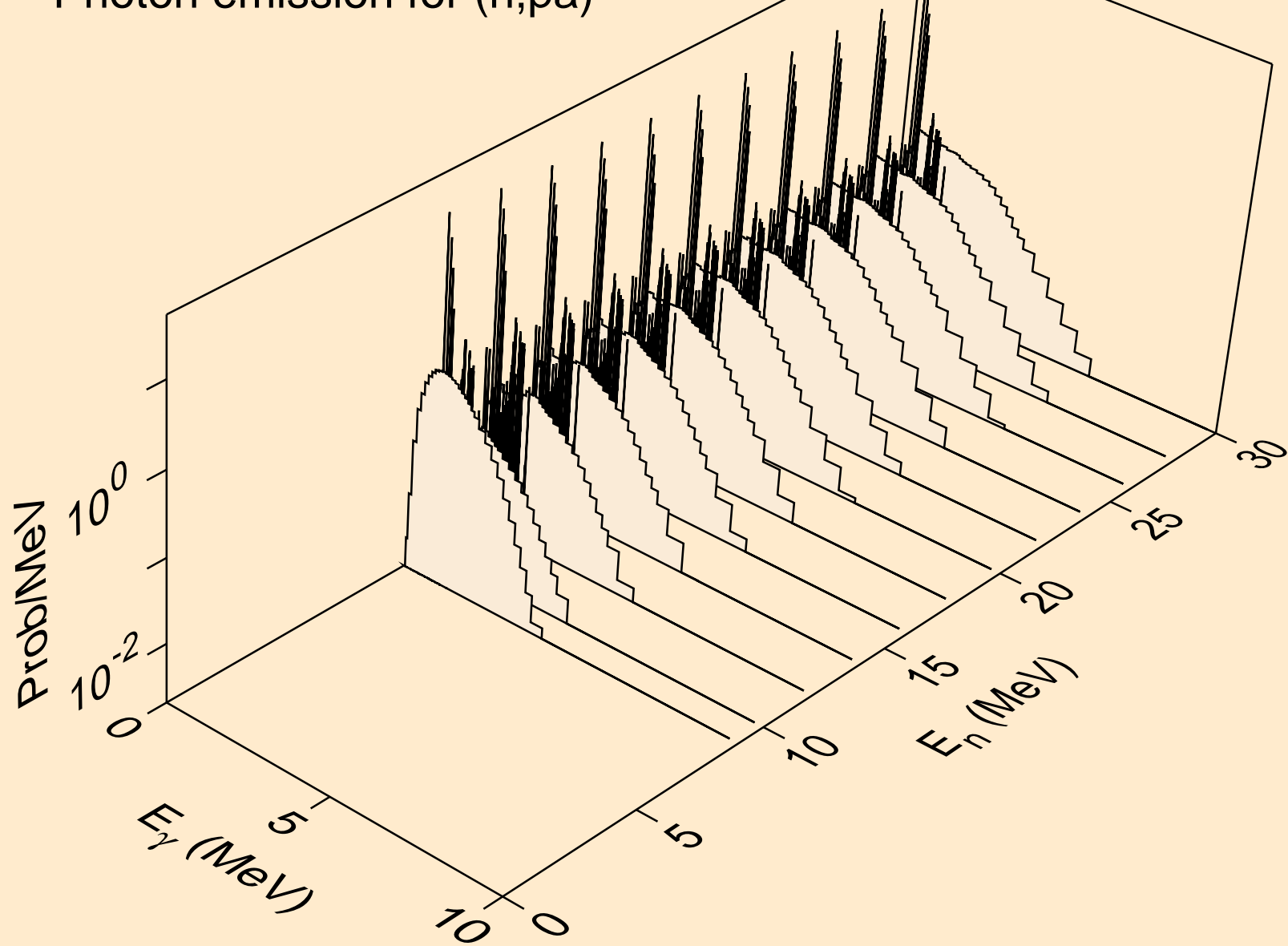
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Photon emission for (n,2a)



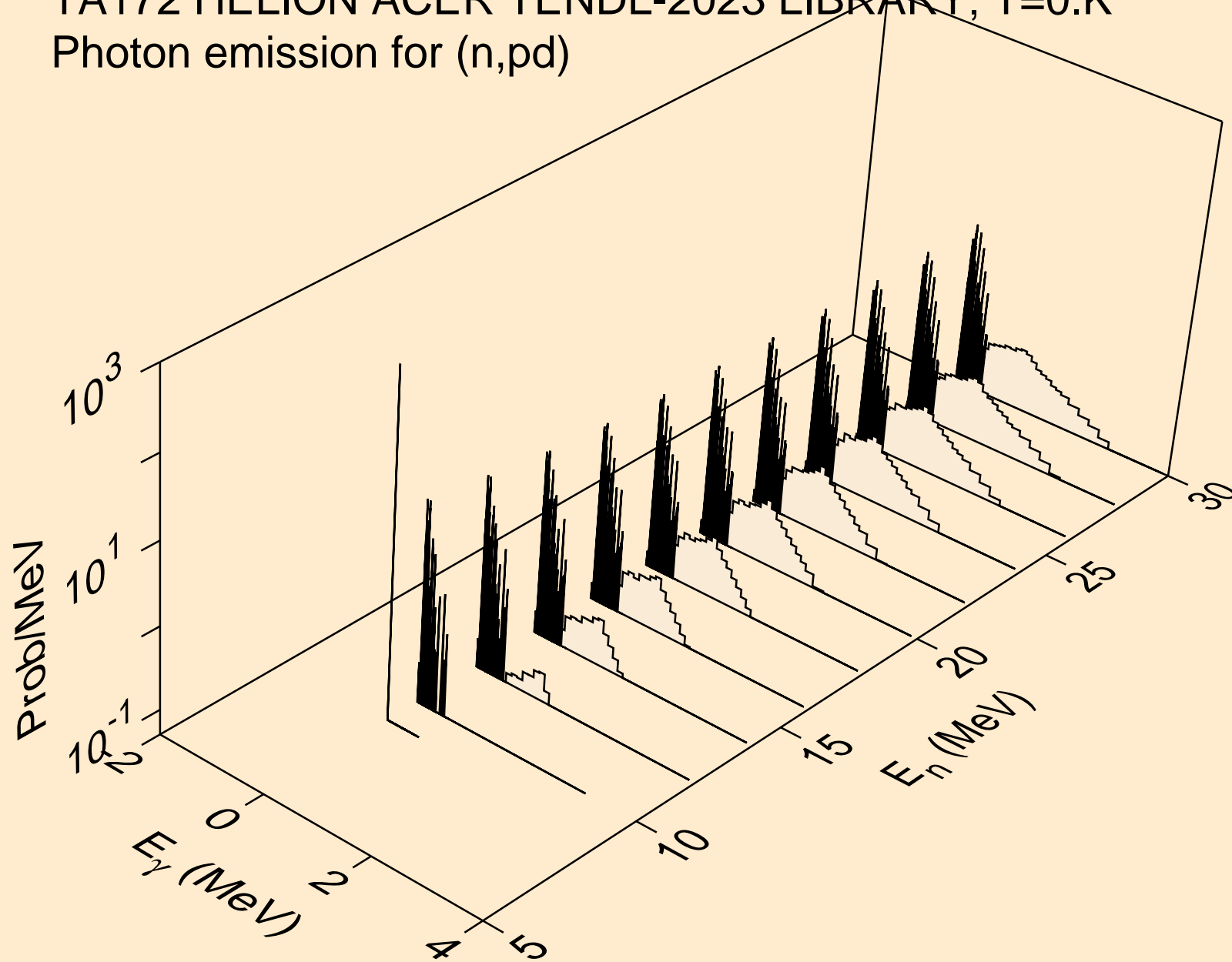
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Photon emission for (n,2p)



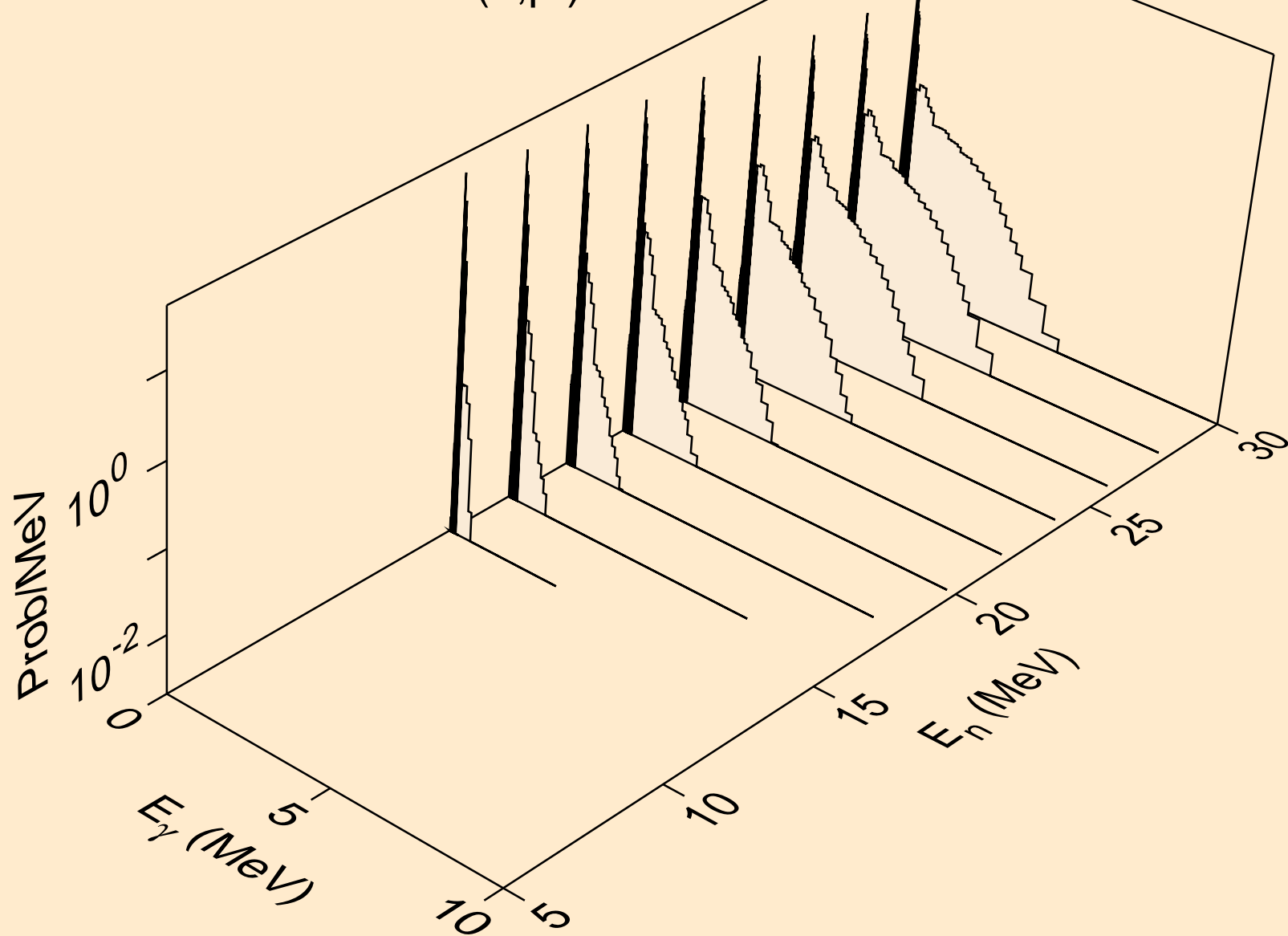
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Photon emission for (n,pa)



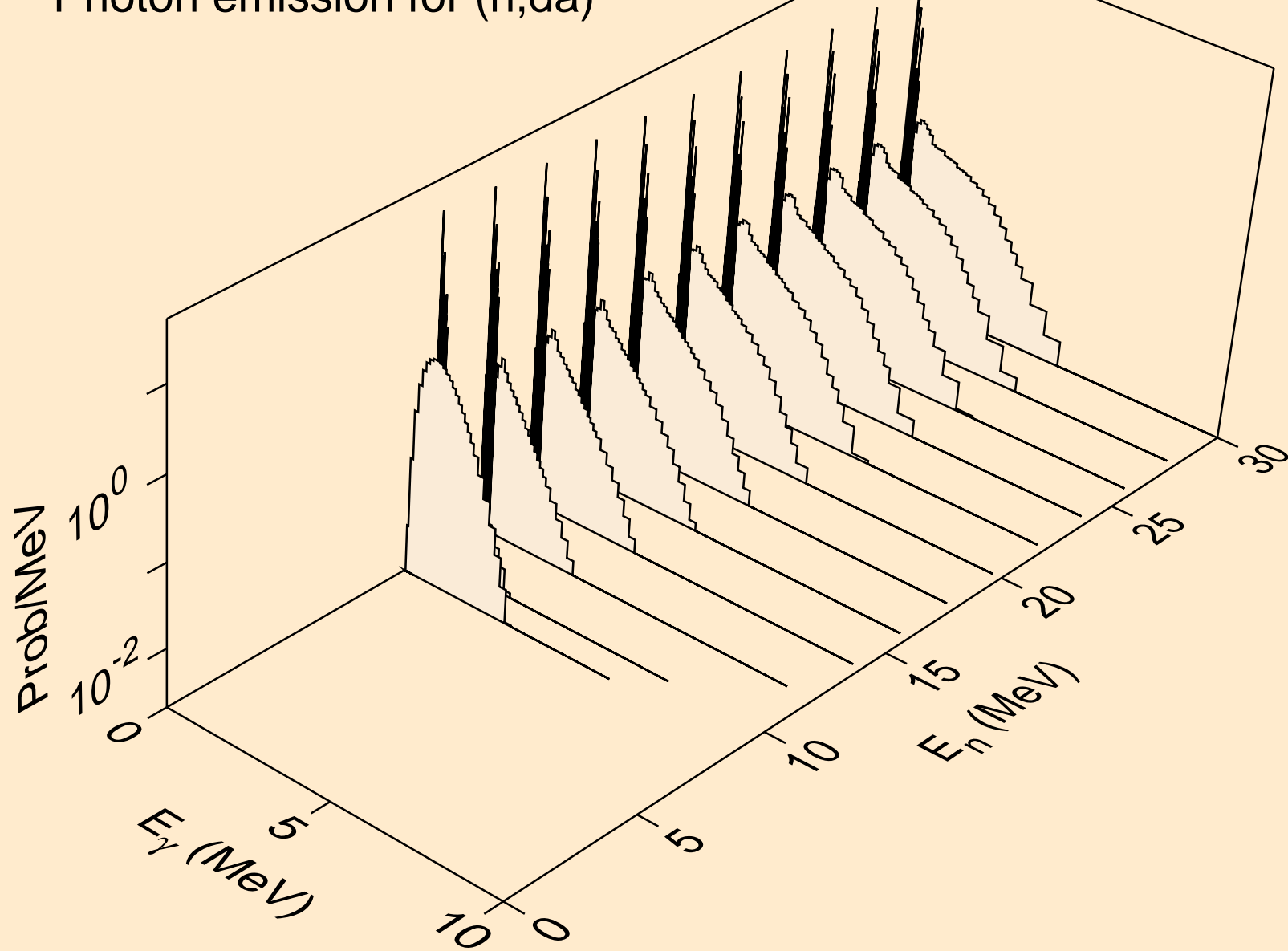
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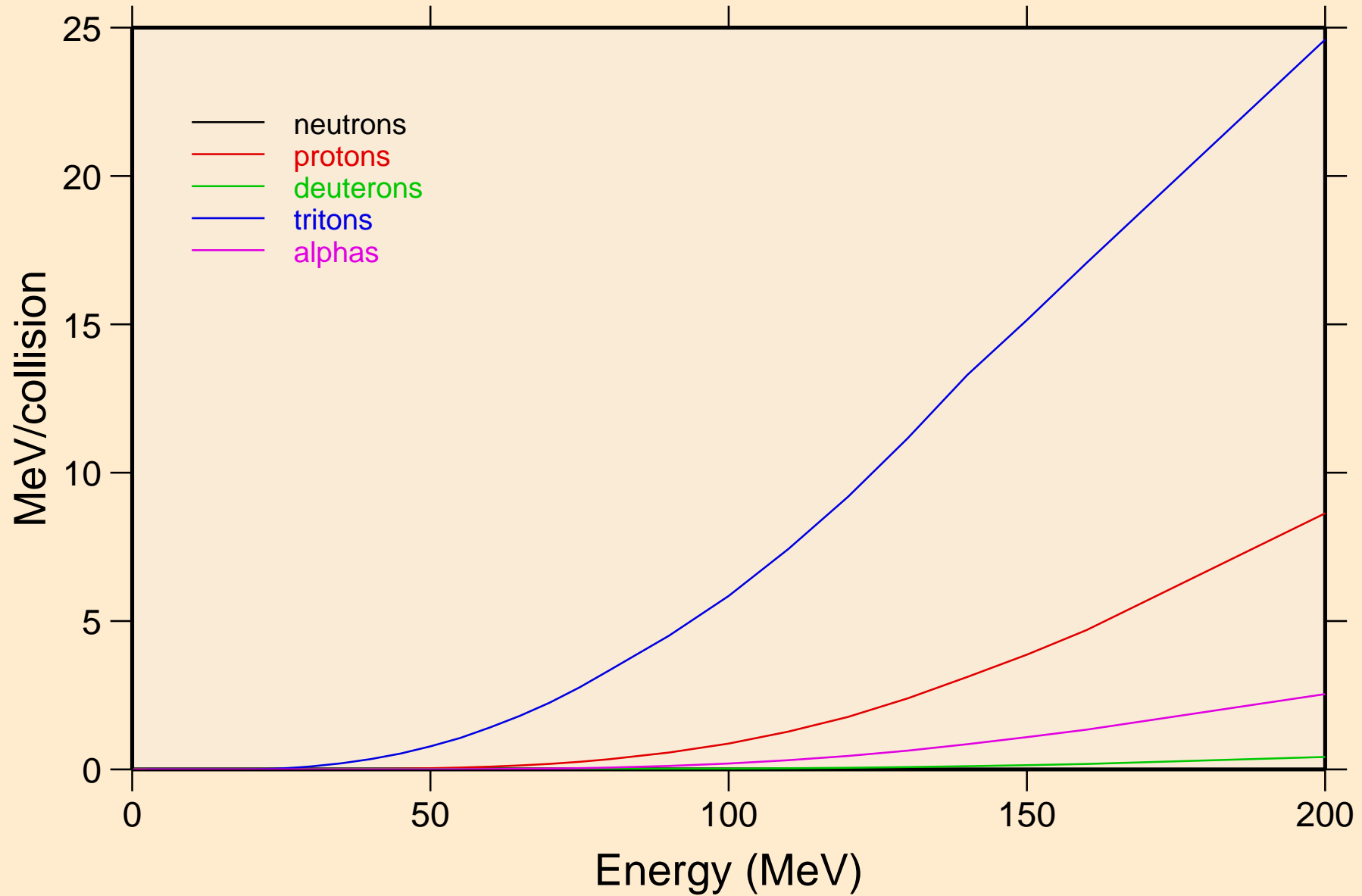
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)

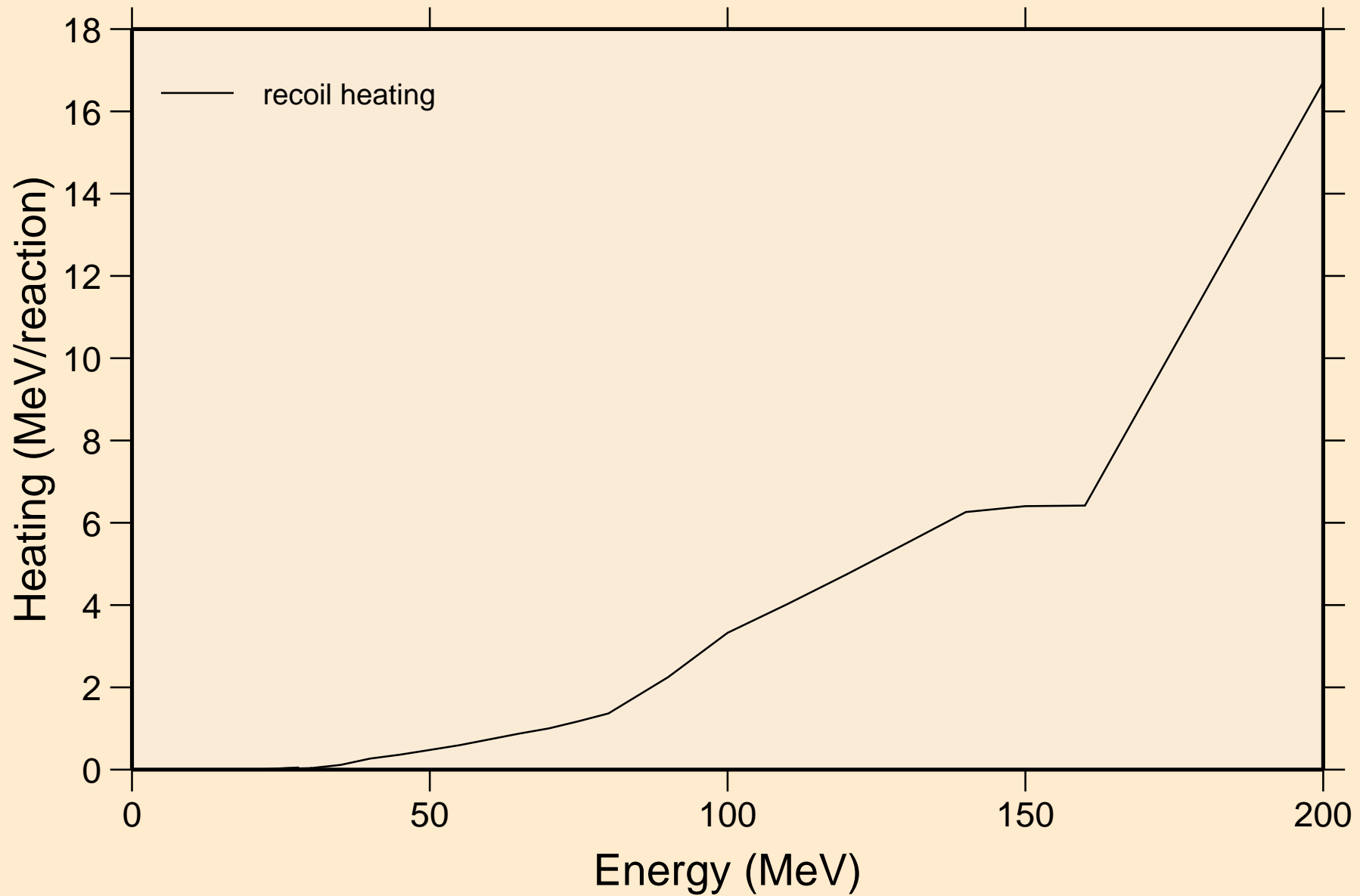


TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions

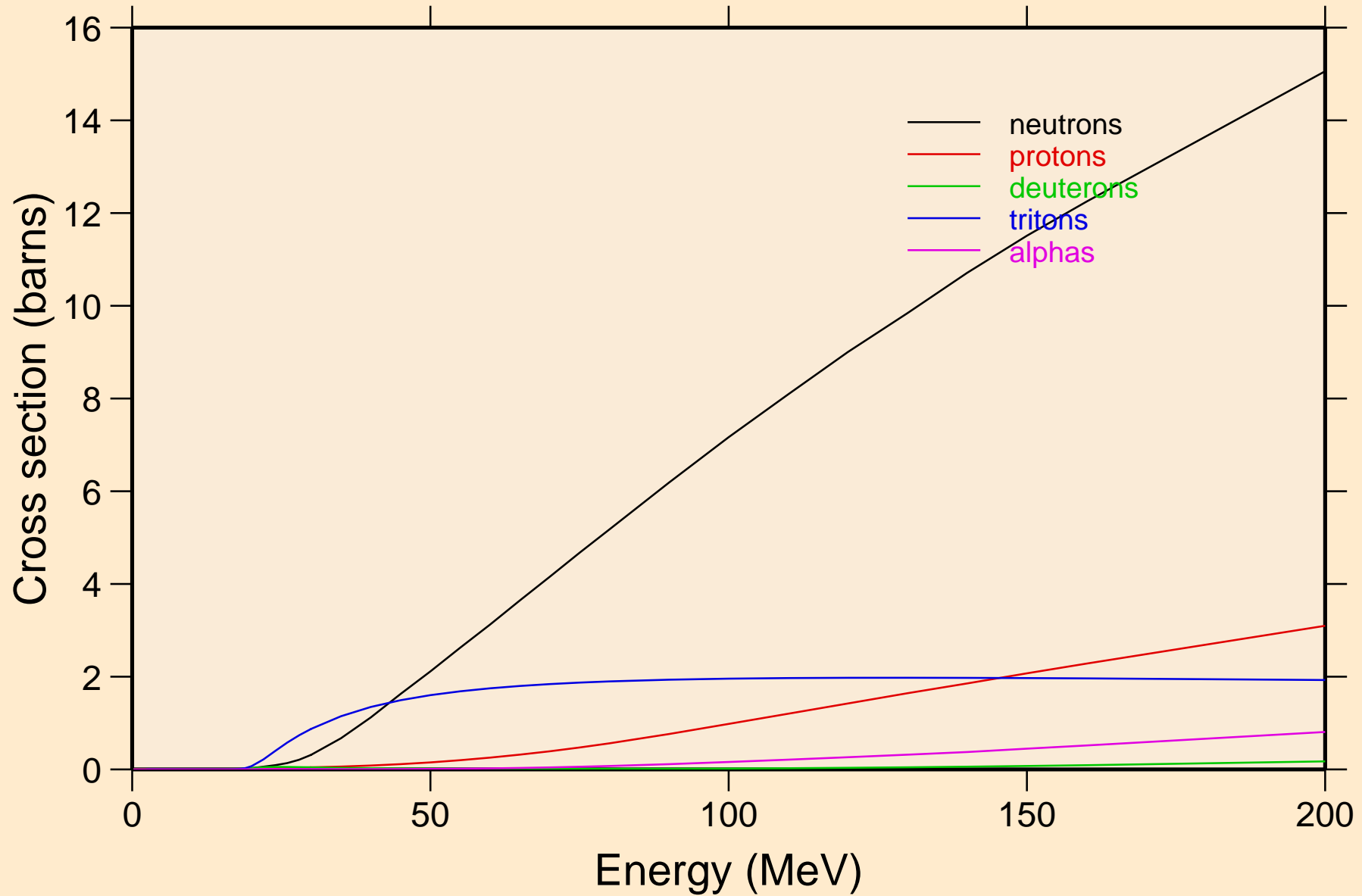




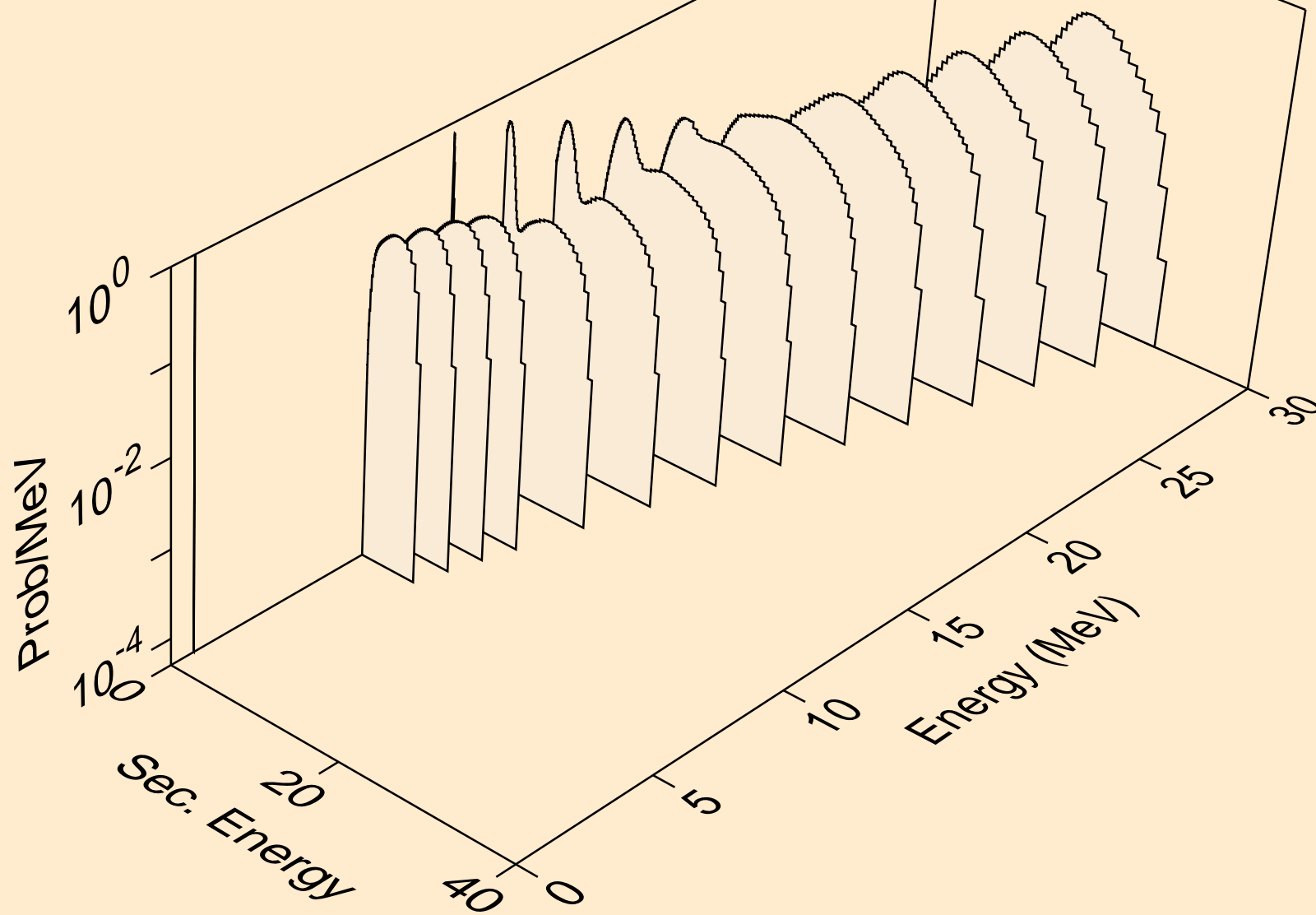
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Recoil Heating



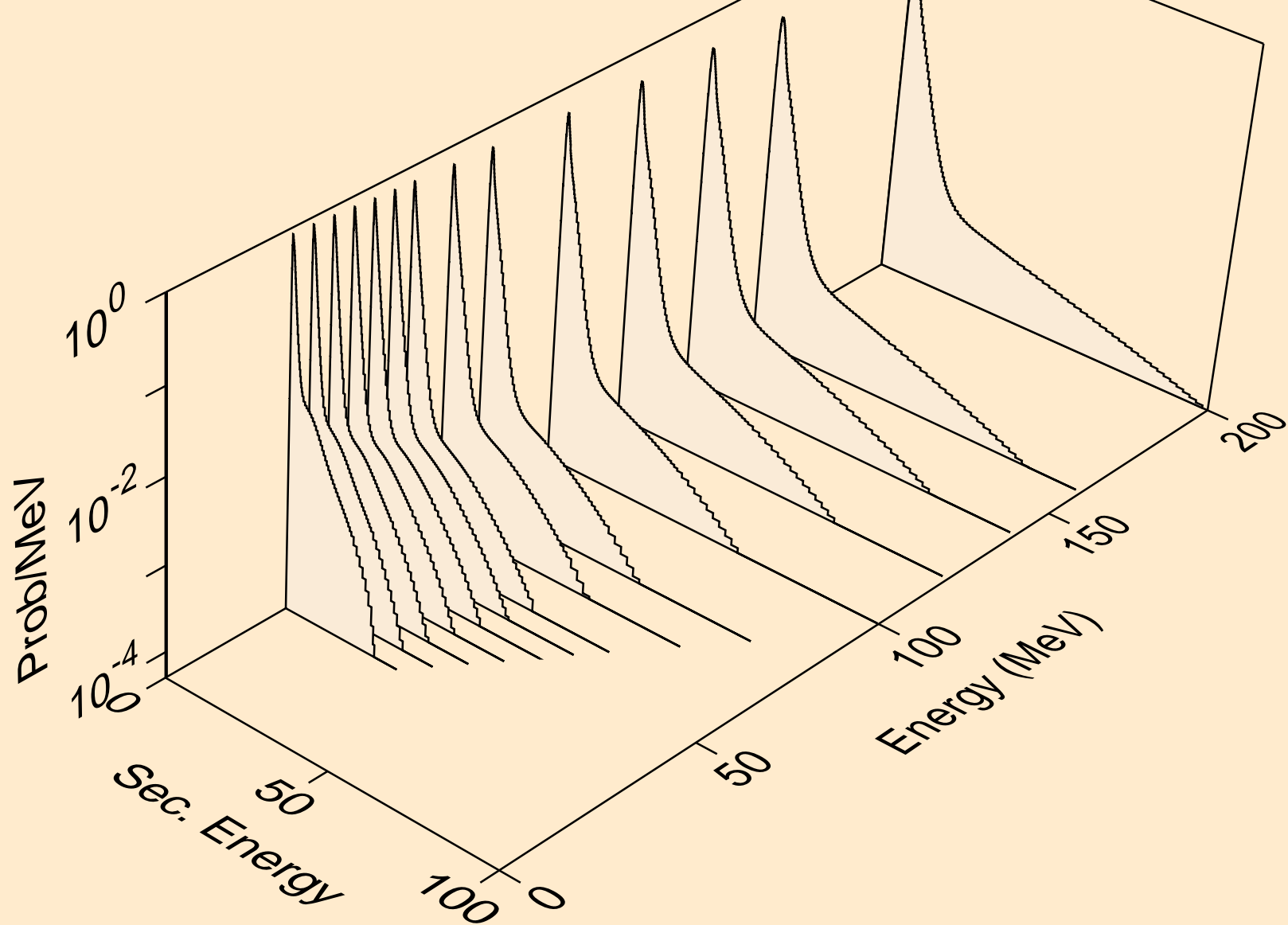
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



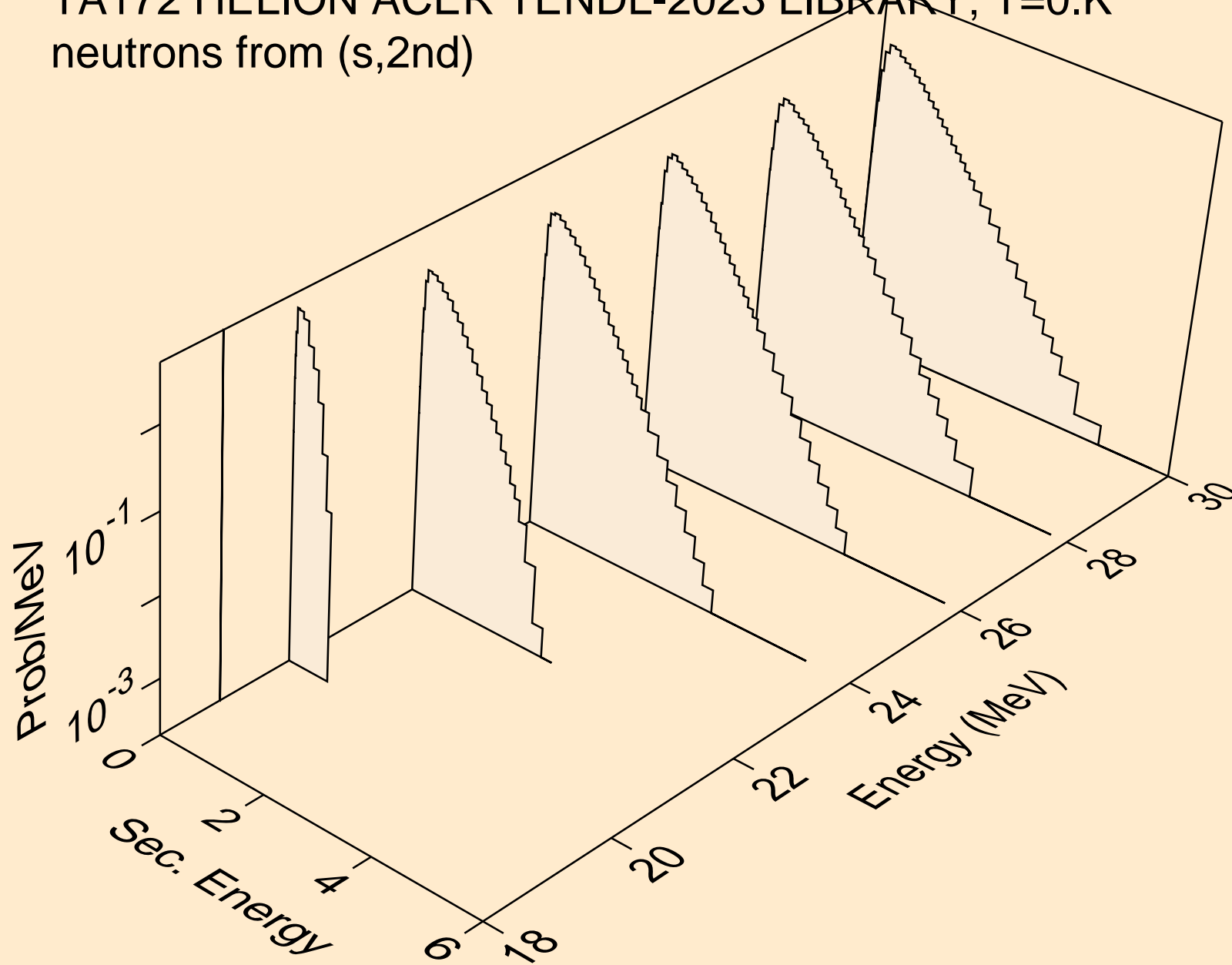
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



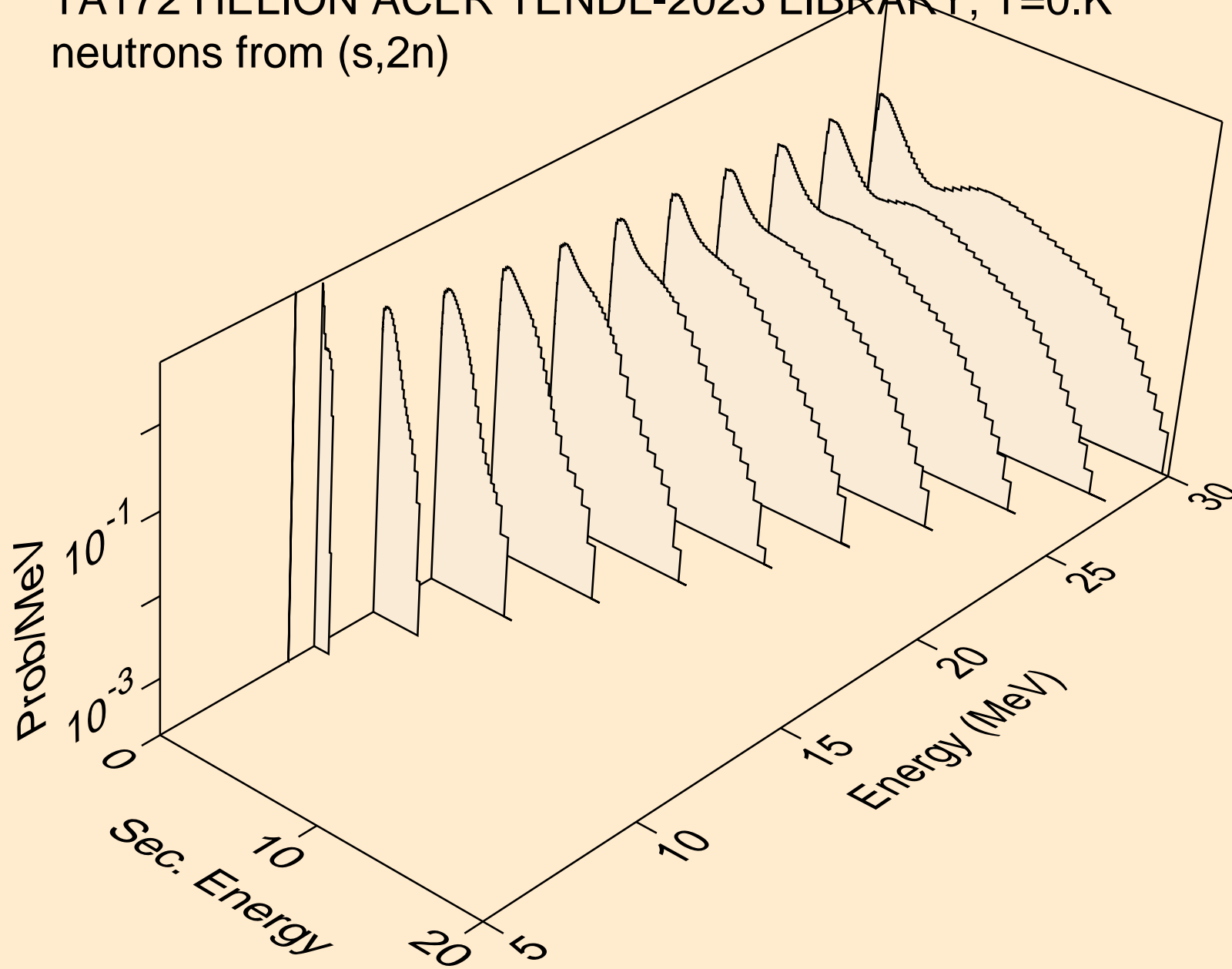
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neutrons from (s,x)



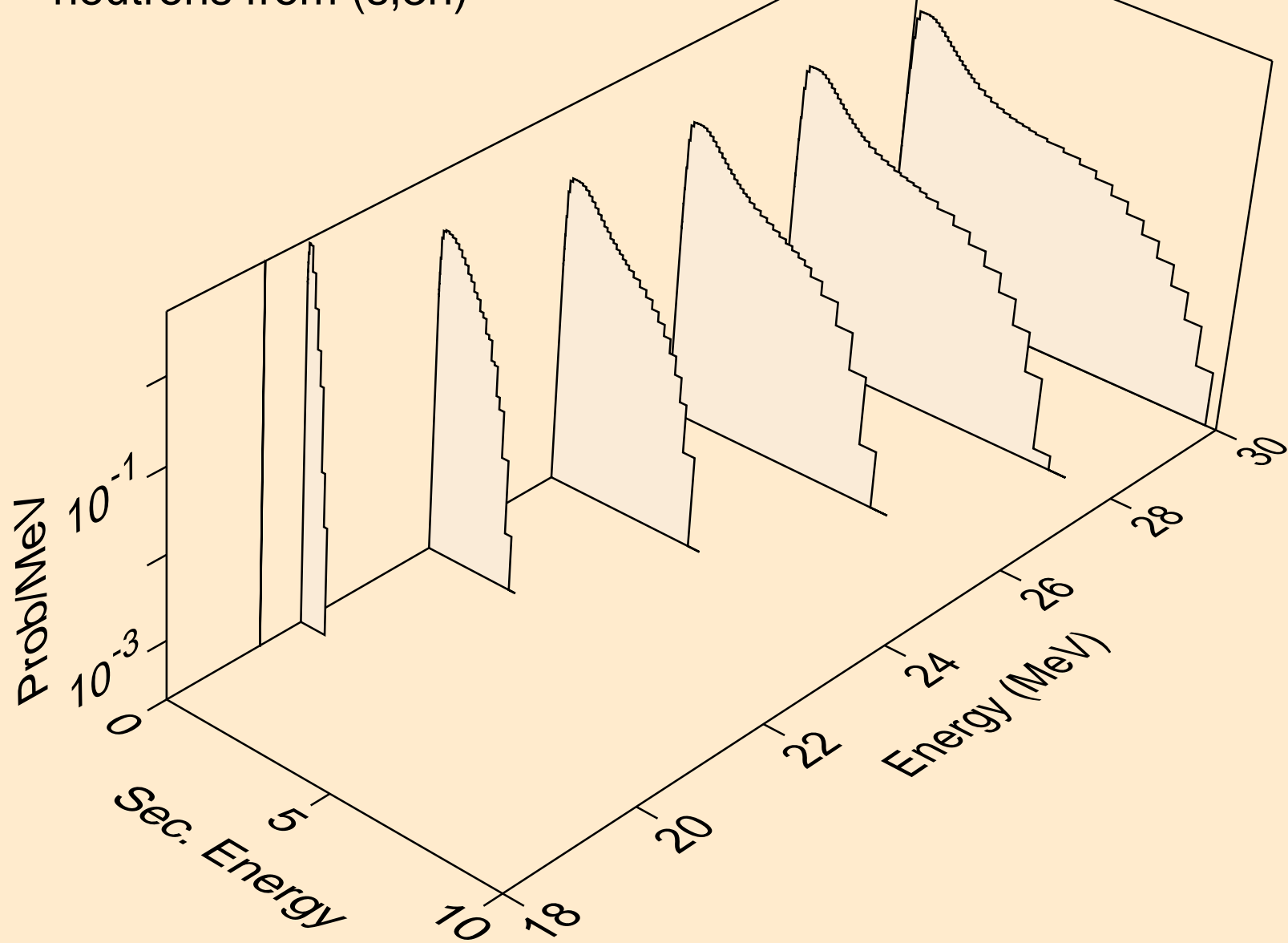
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neutrons from (s,2nd)



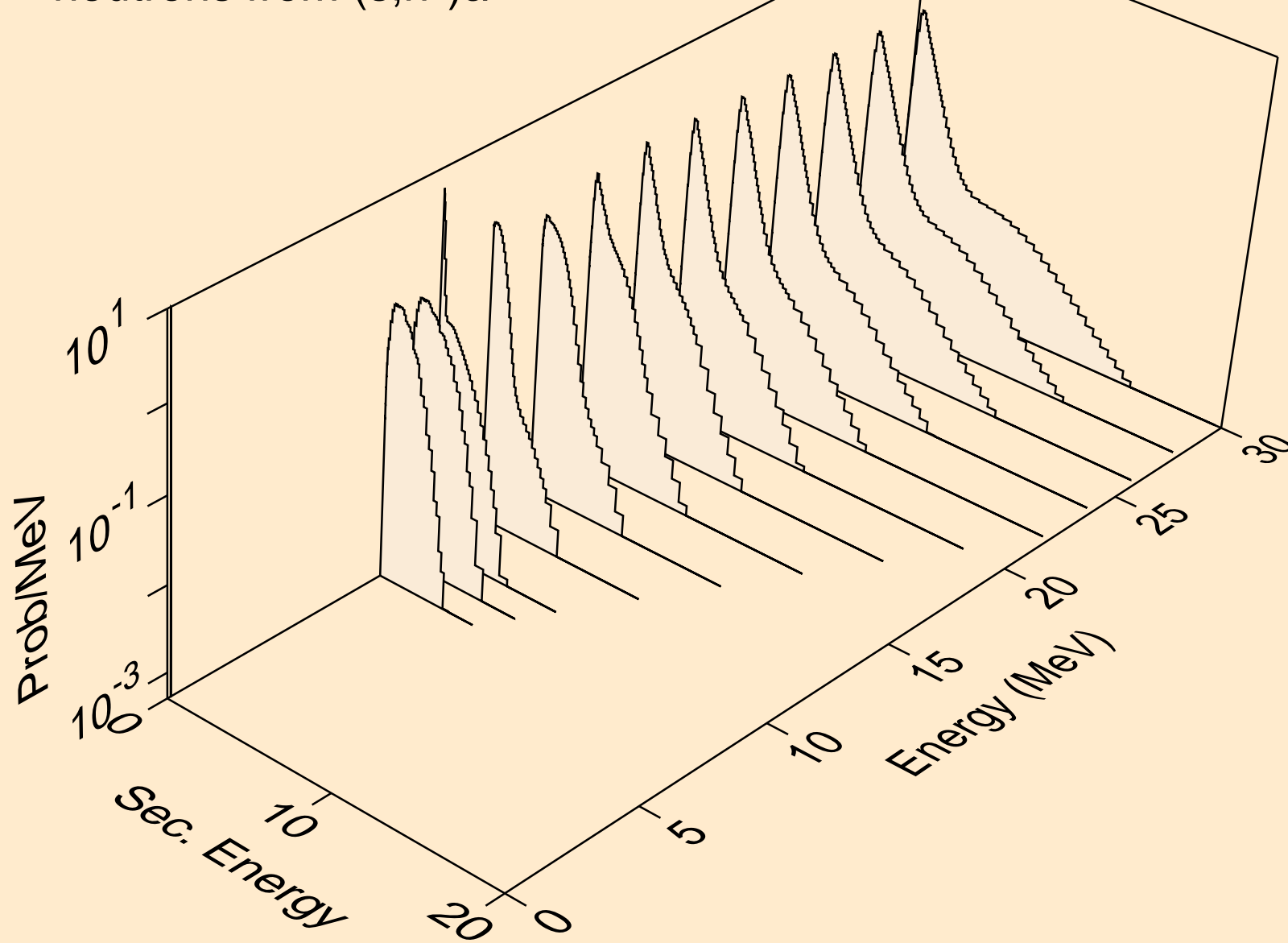
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)



TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3n)

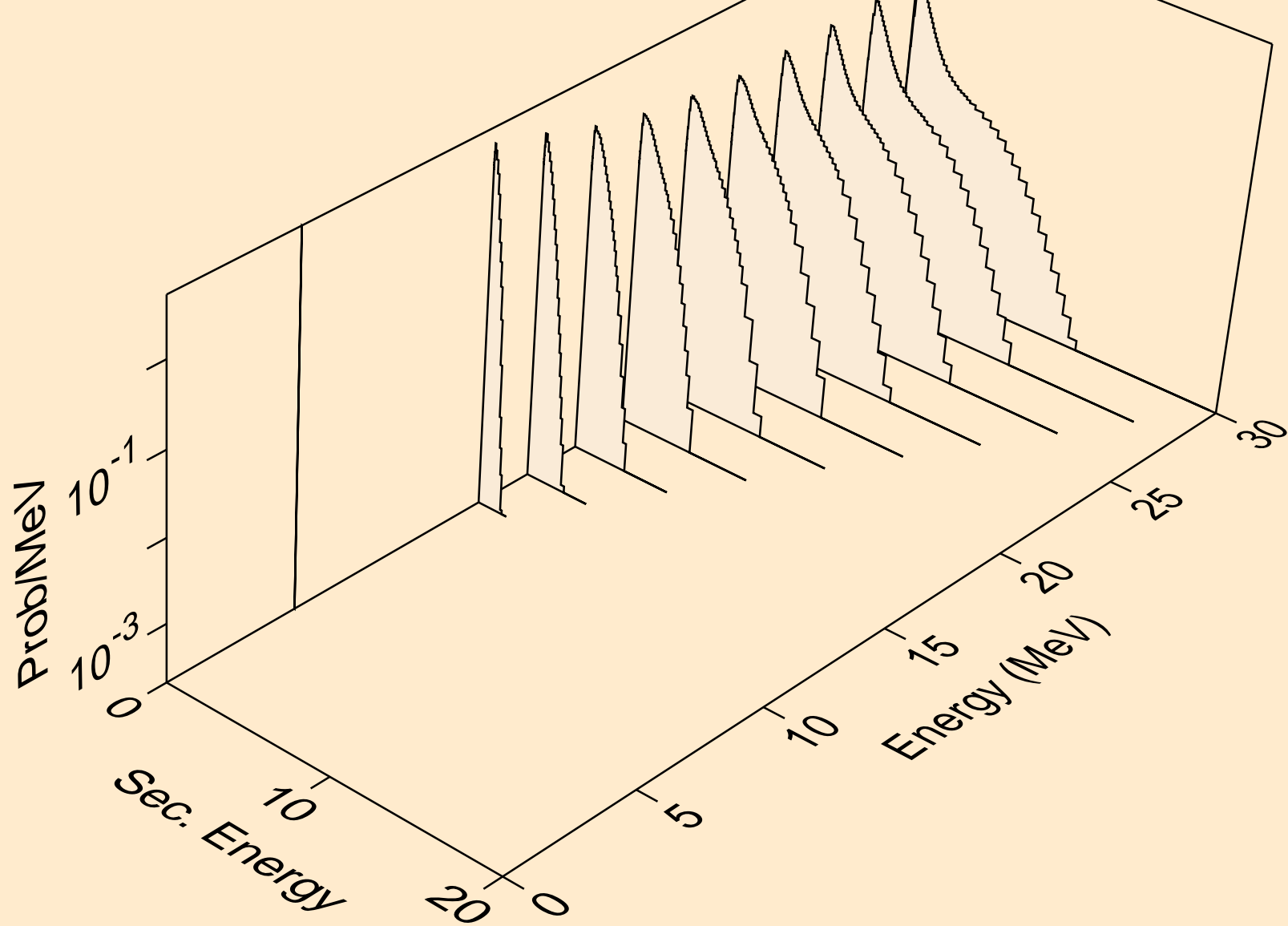


TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a

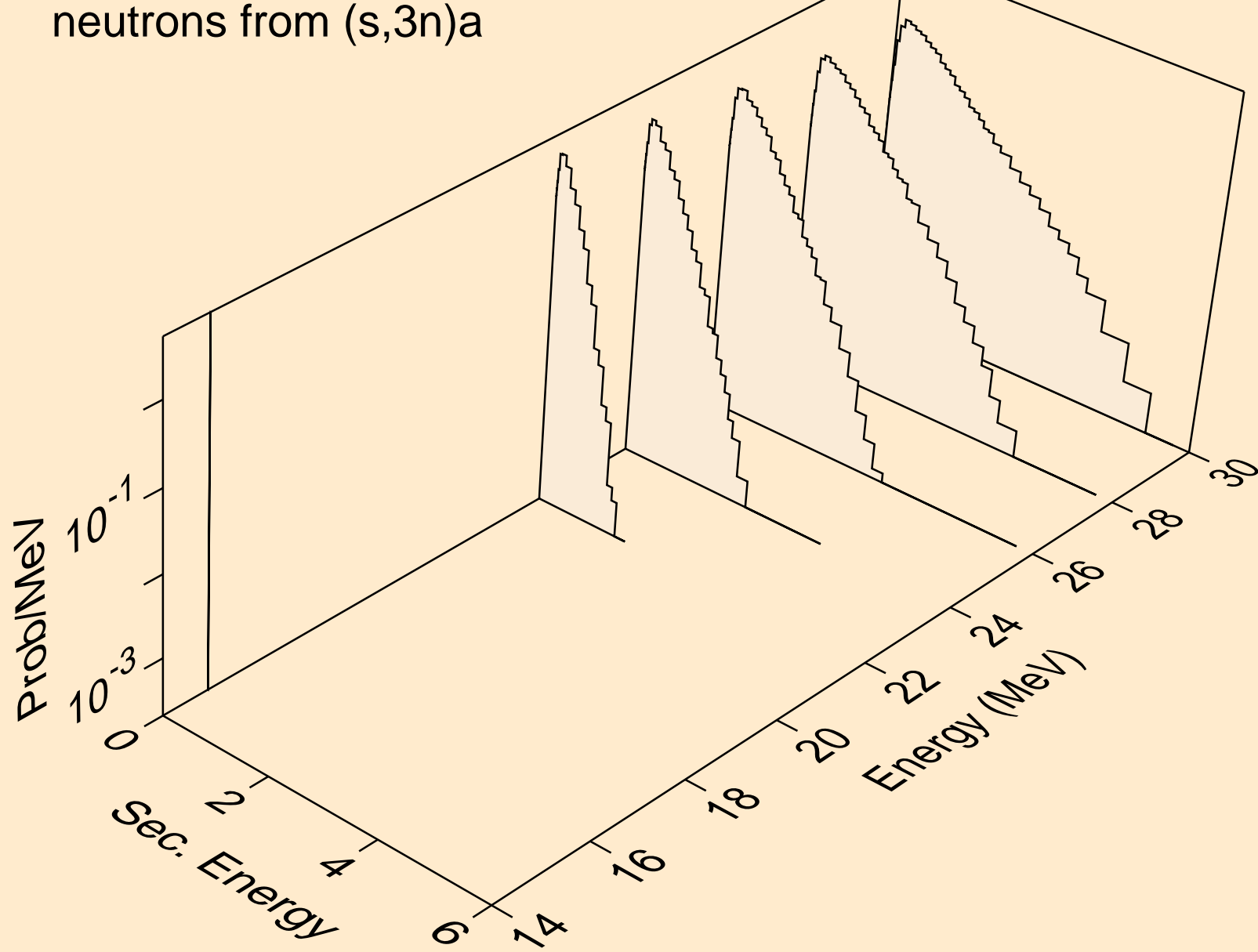




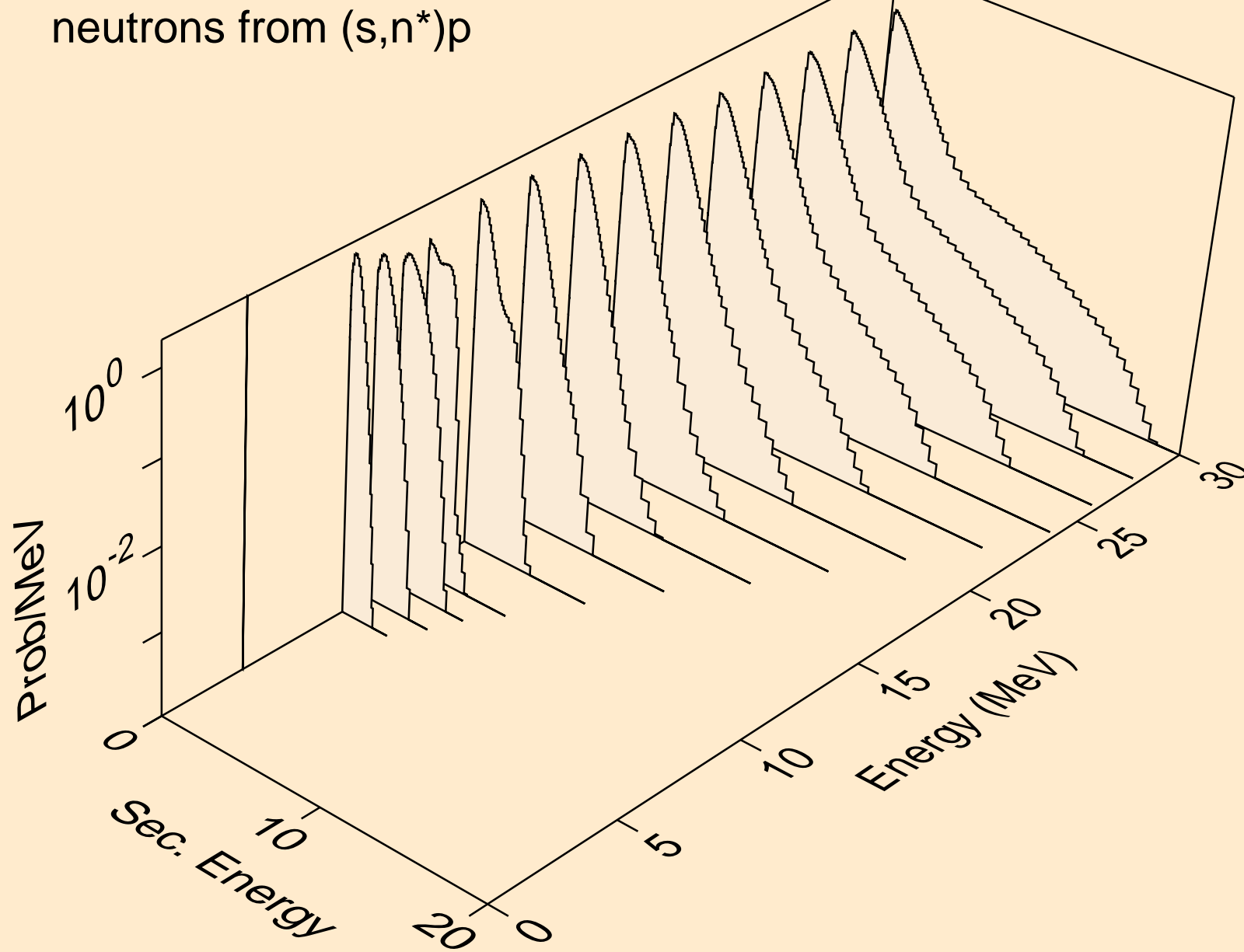
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)a



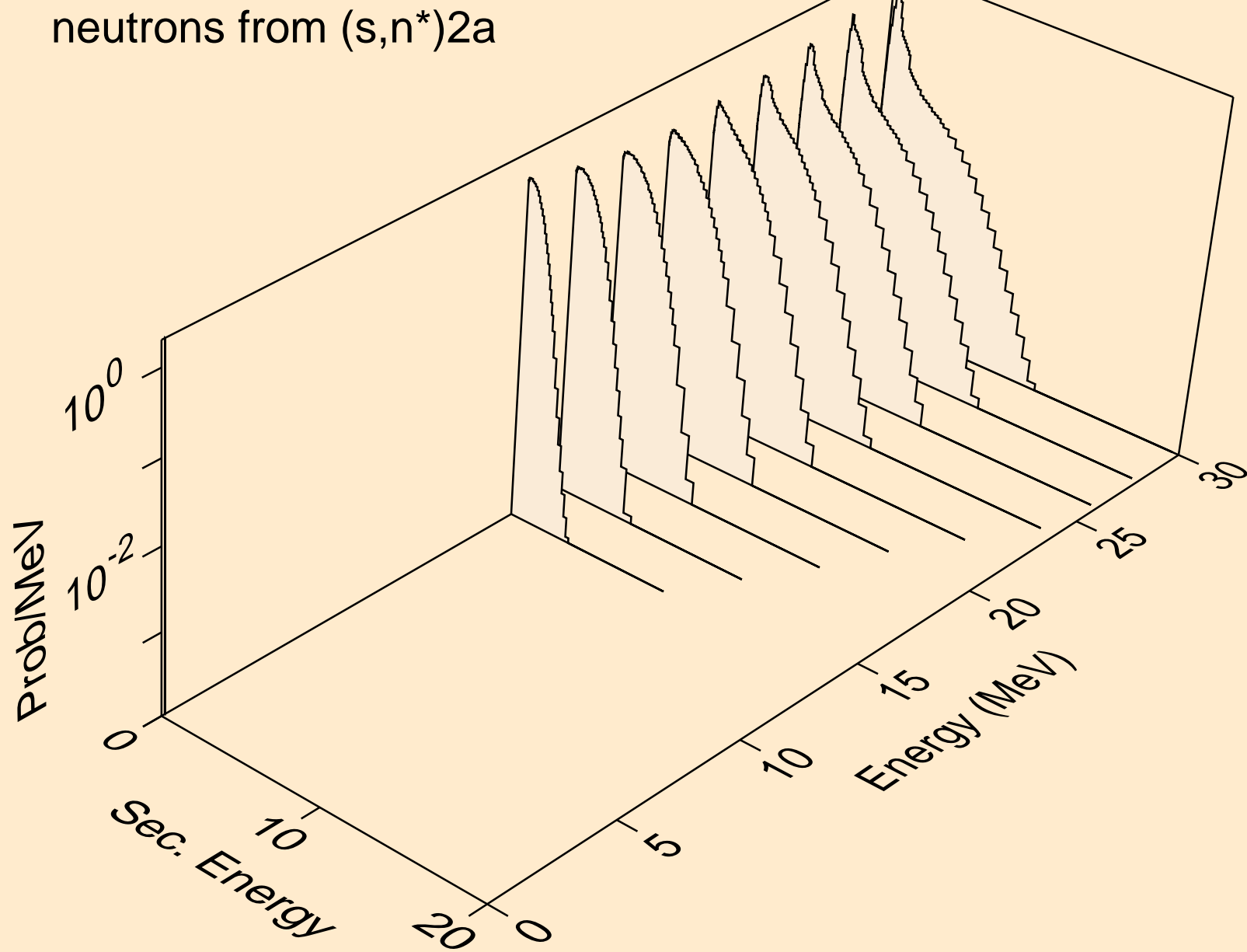
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neutrons from (s,3n)a



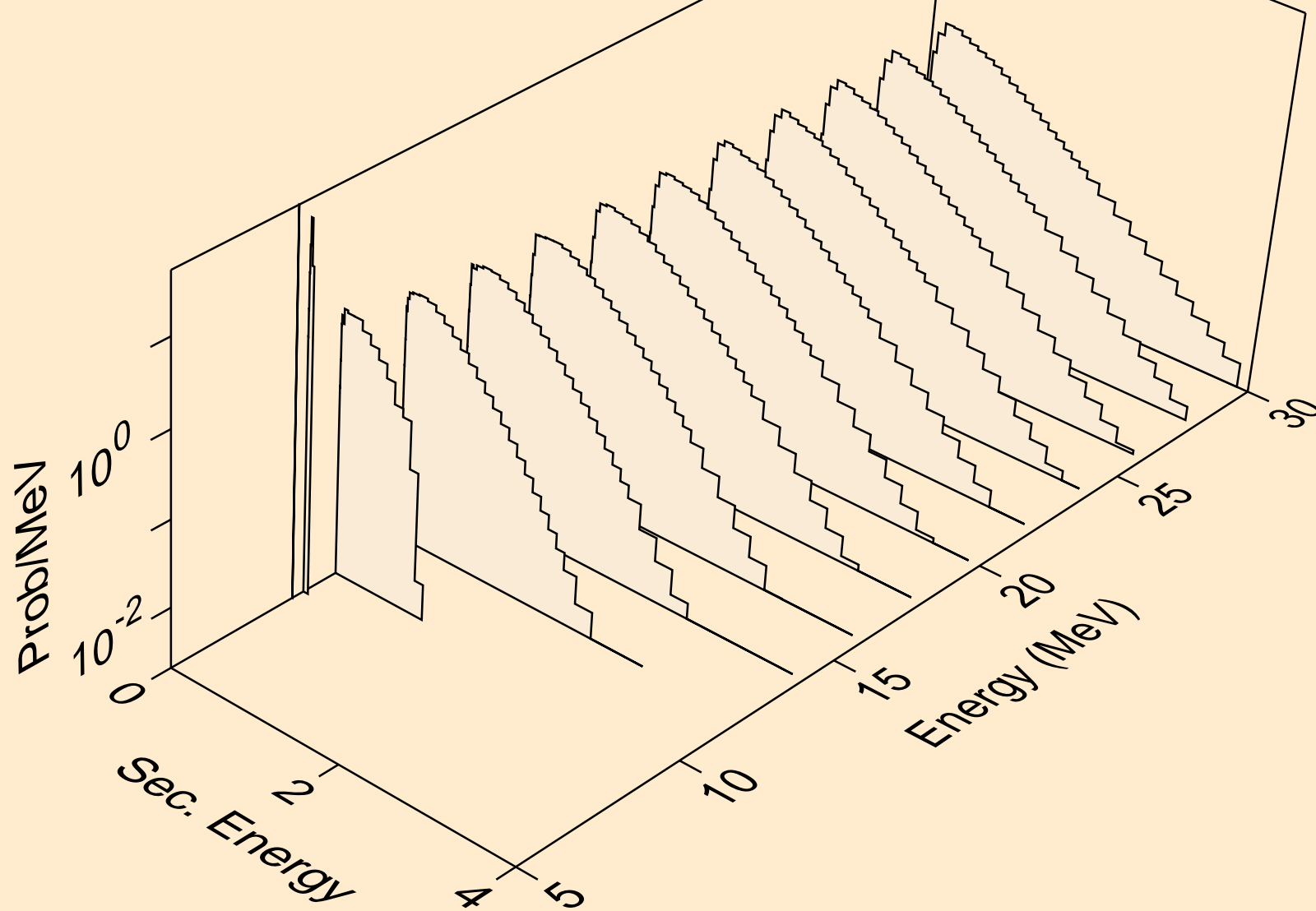
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)p



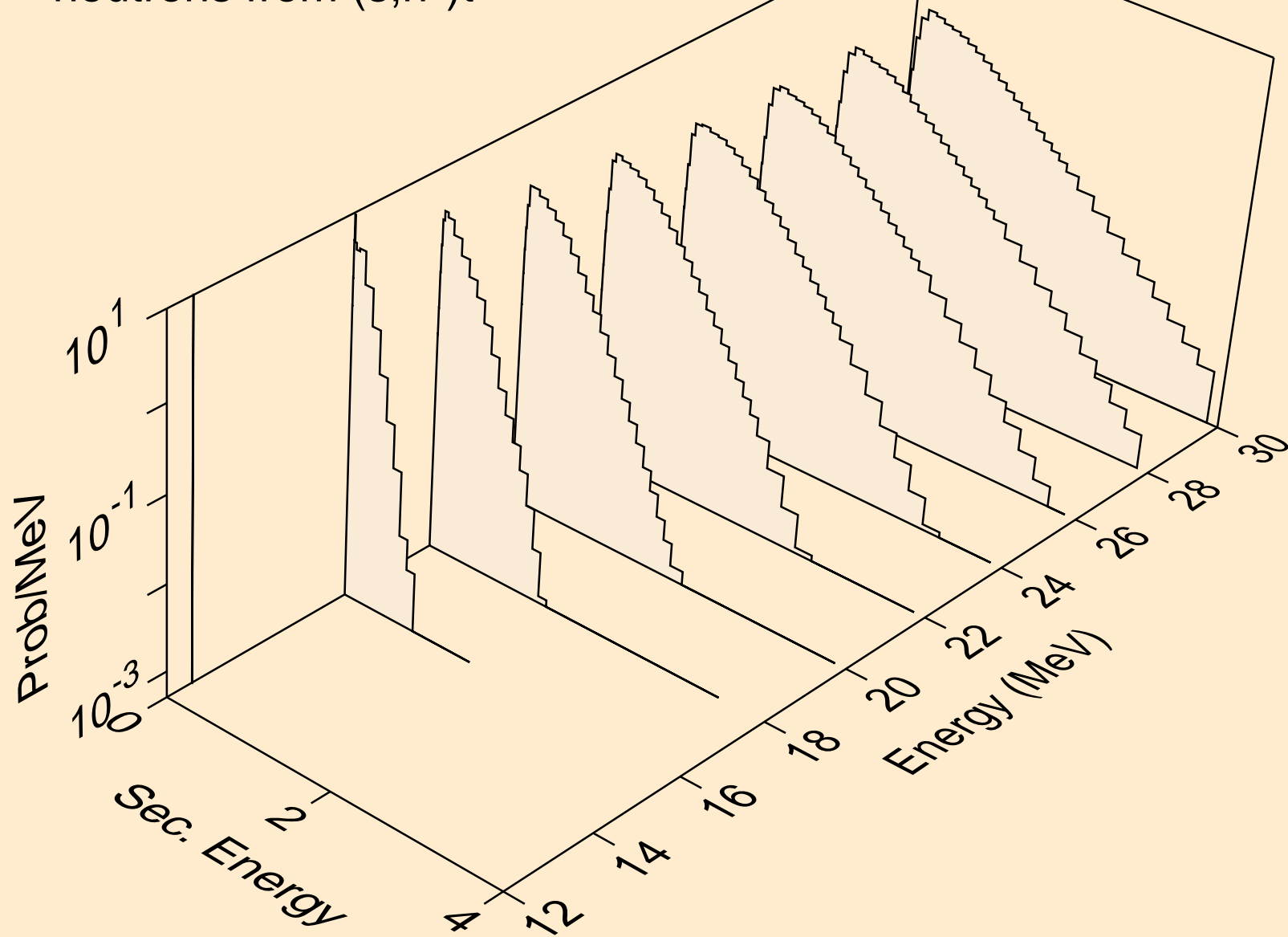
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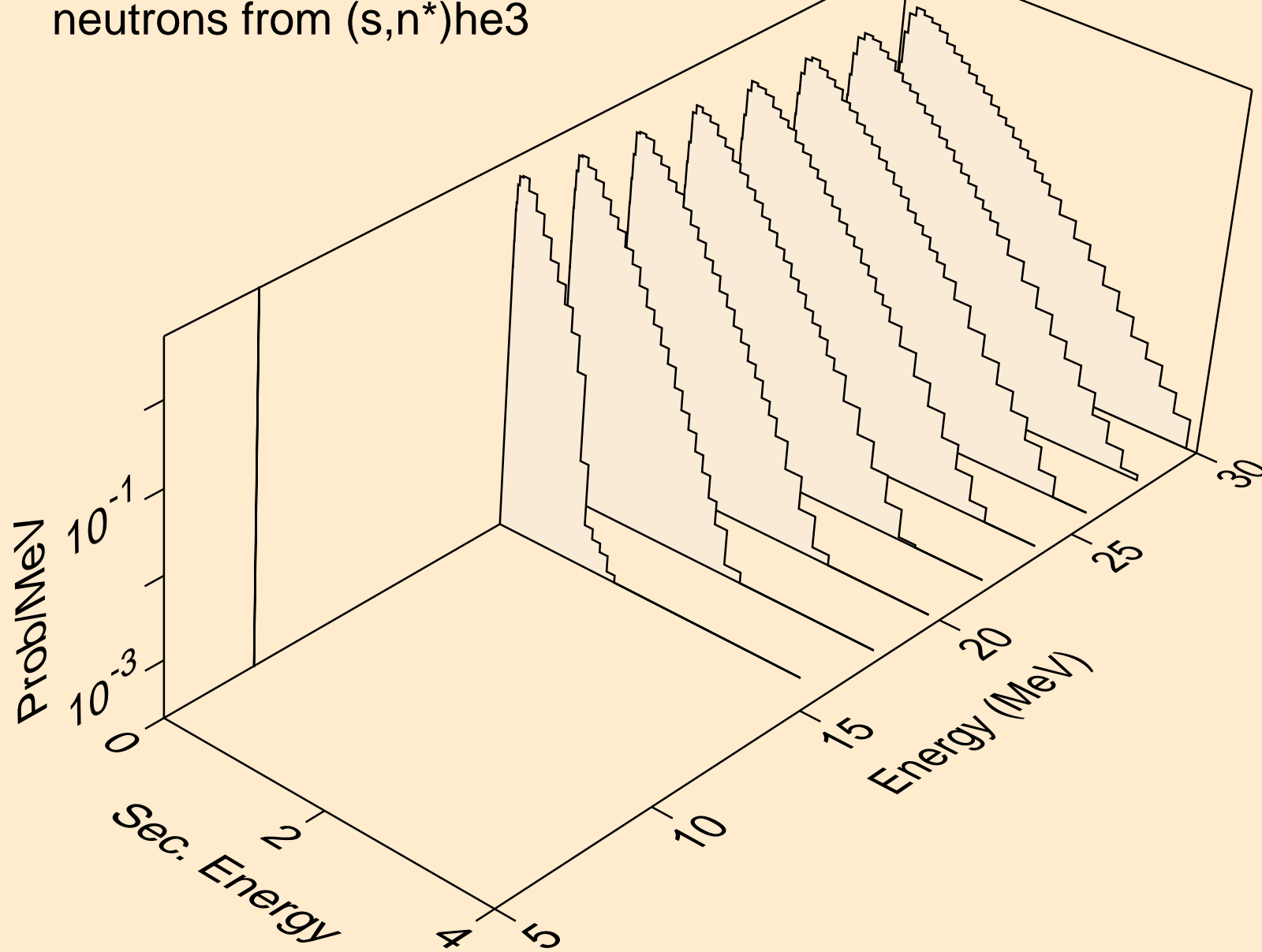
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neutrons from (s,n\*)d



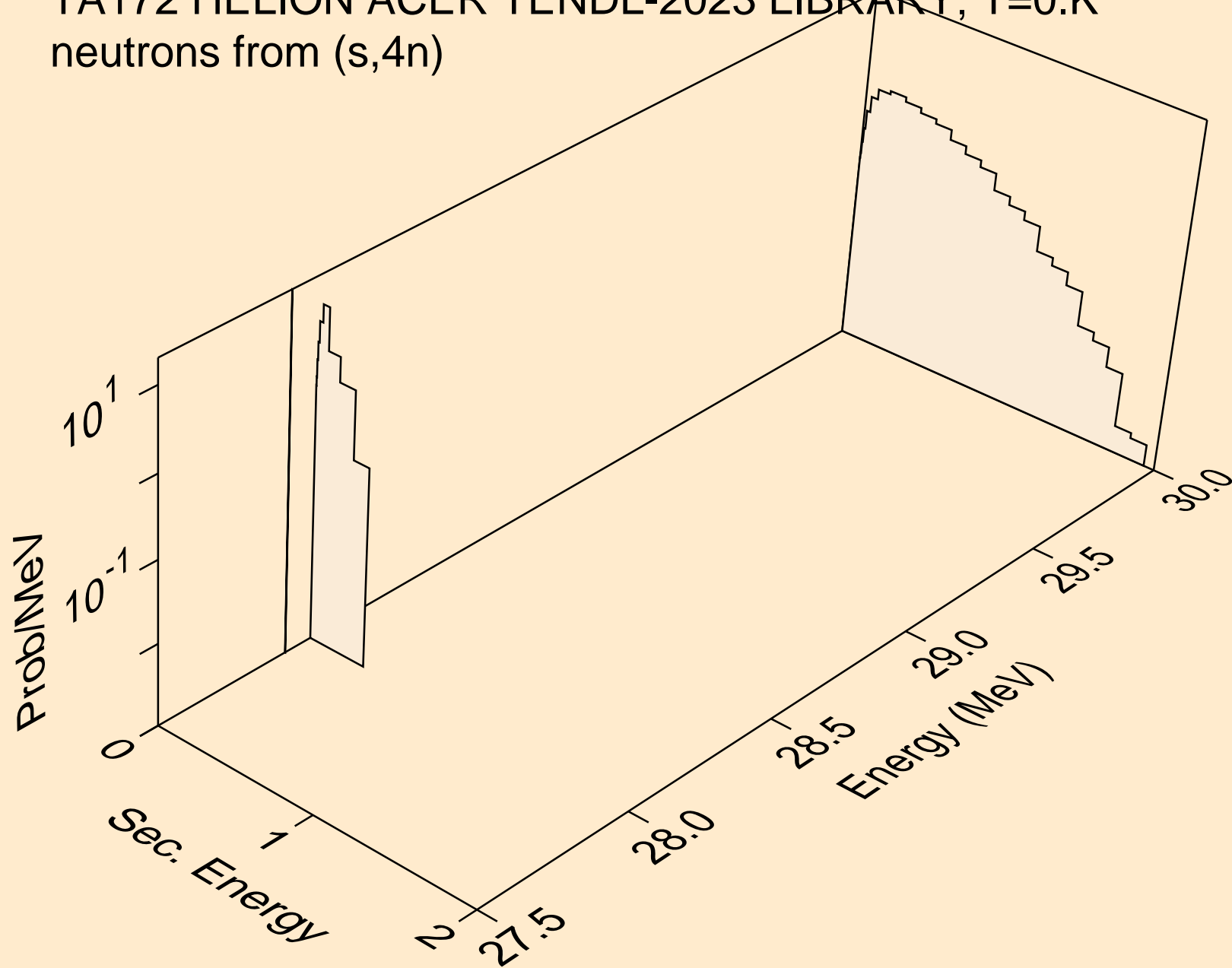
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)t



TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)he3

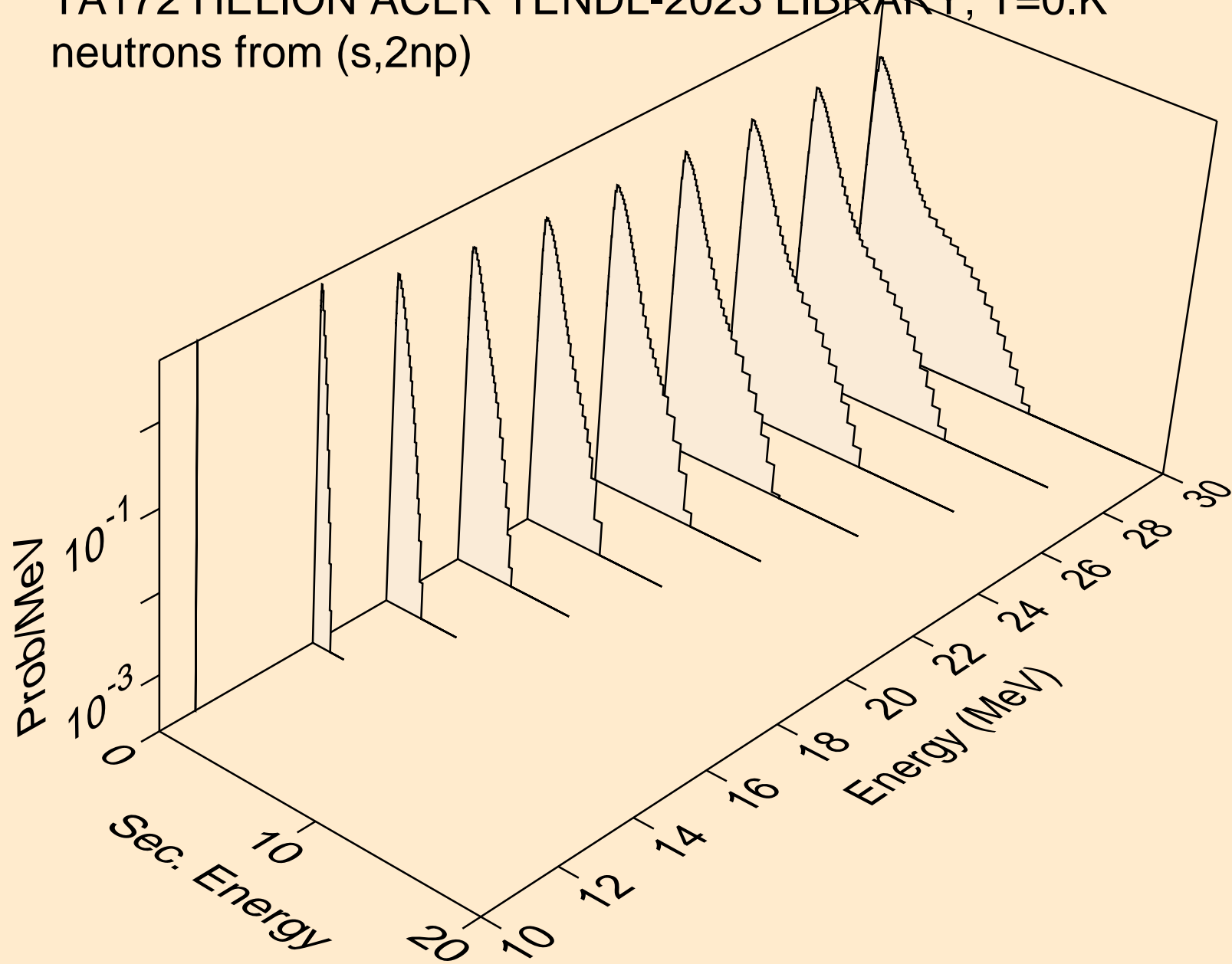


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neutrons from (s,4n)

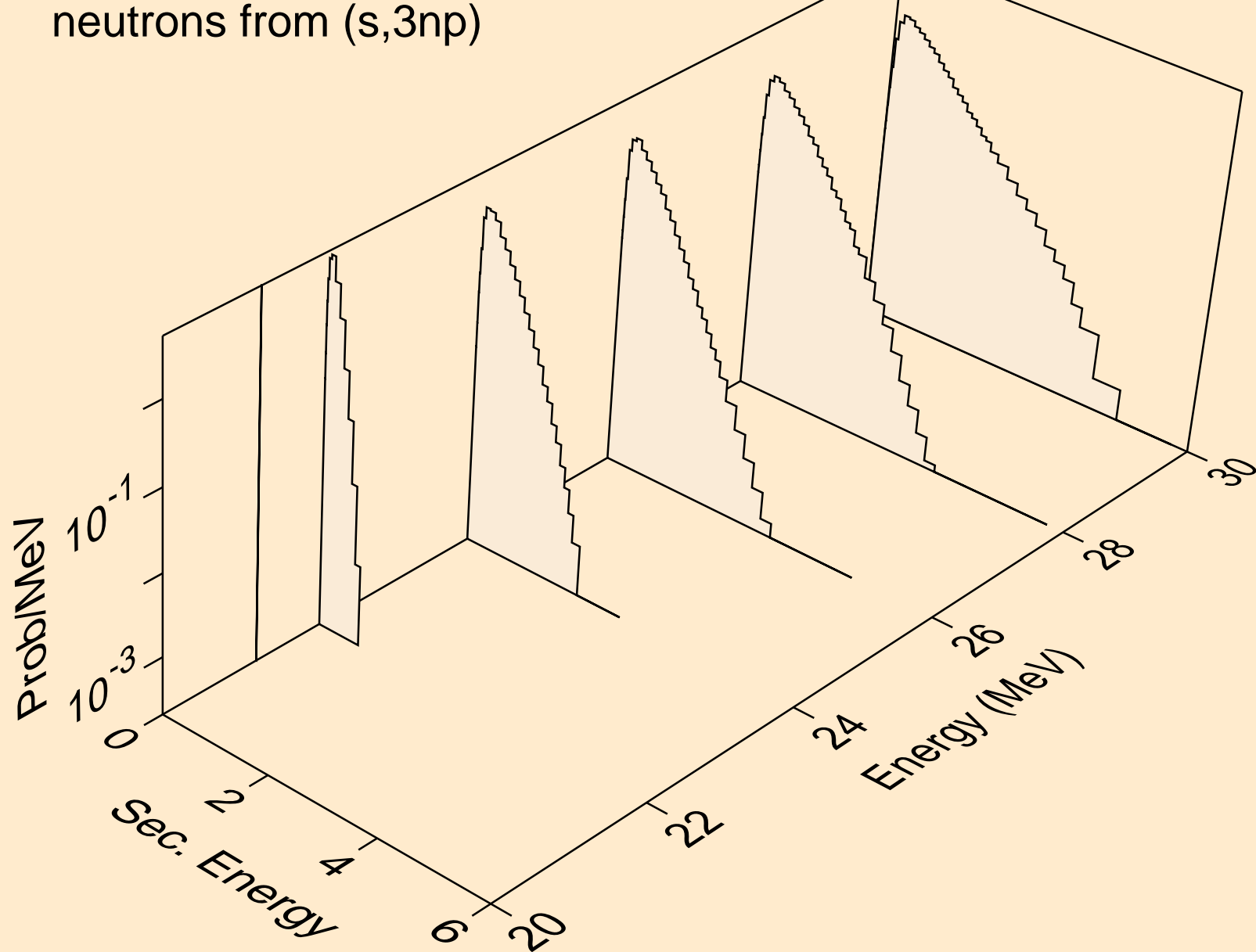




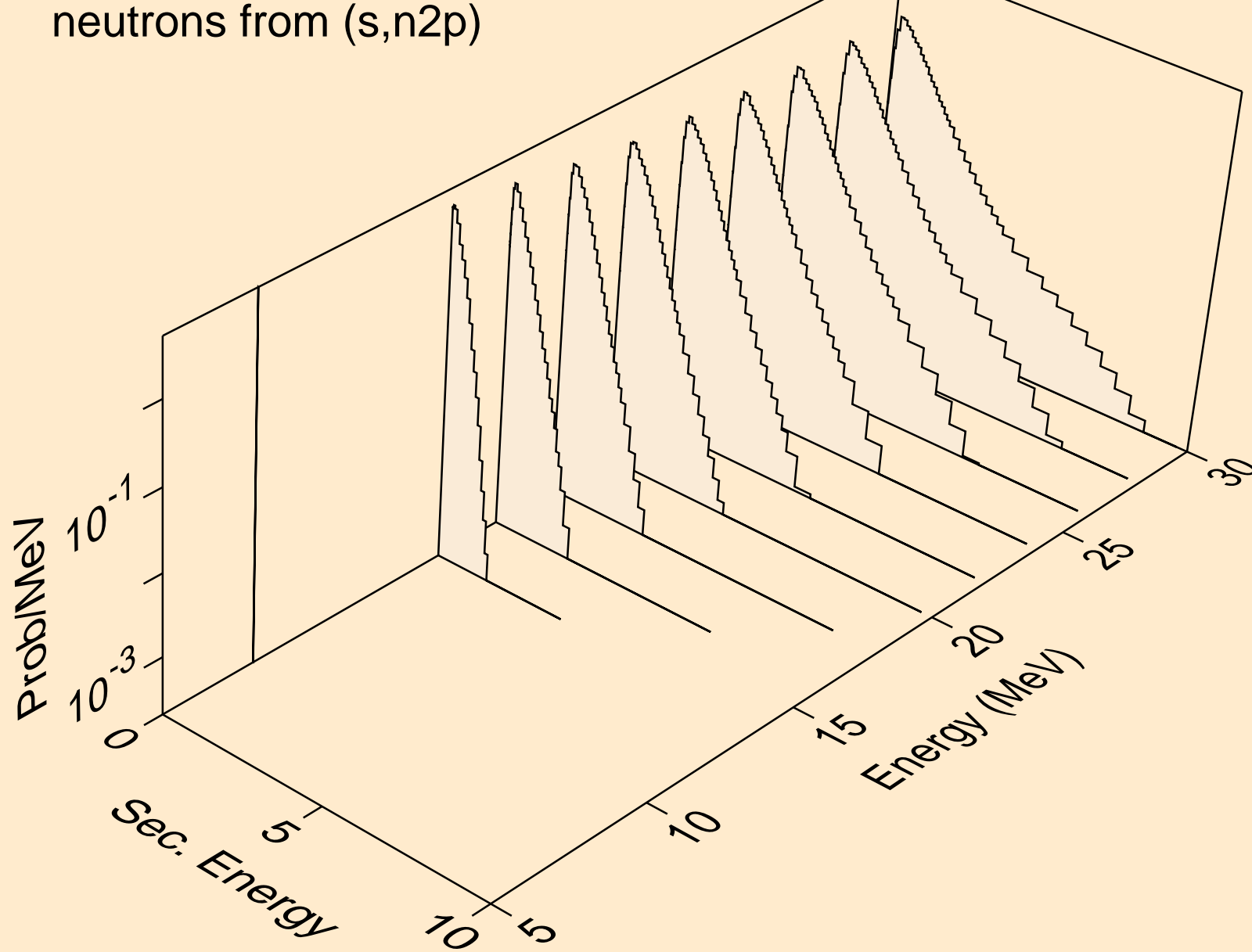
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neutrons from (s,2np)



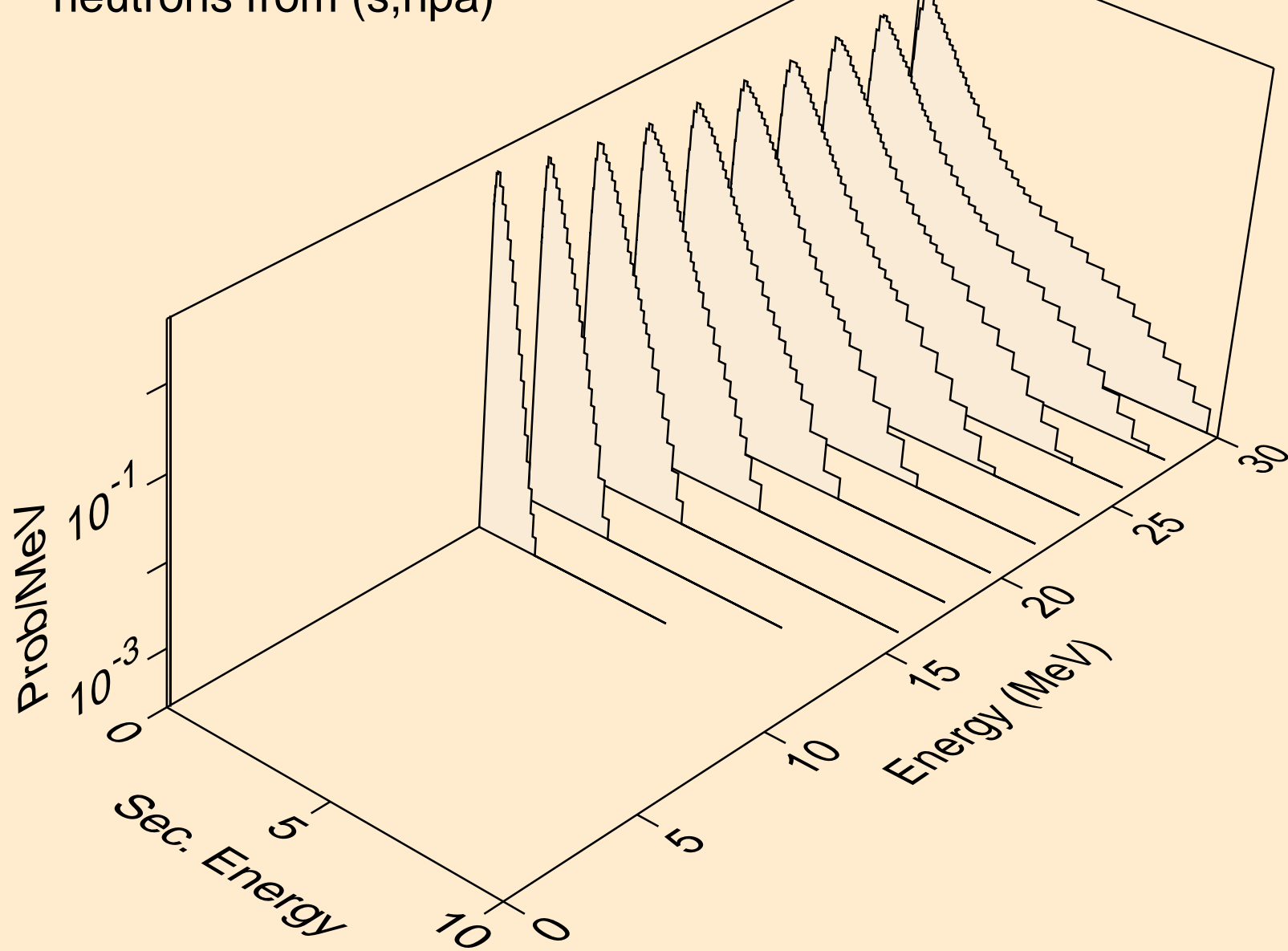
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neutrons from (s,3np)



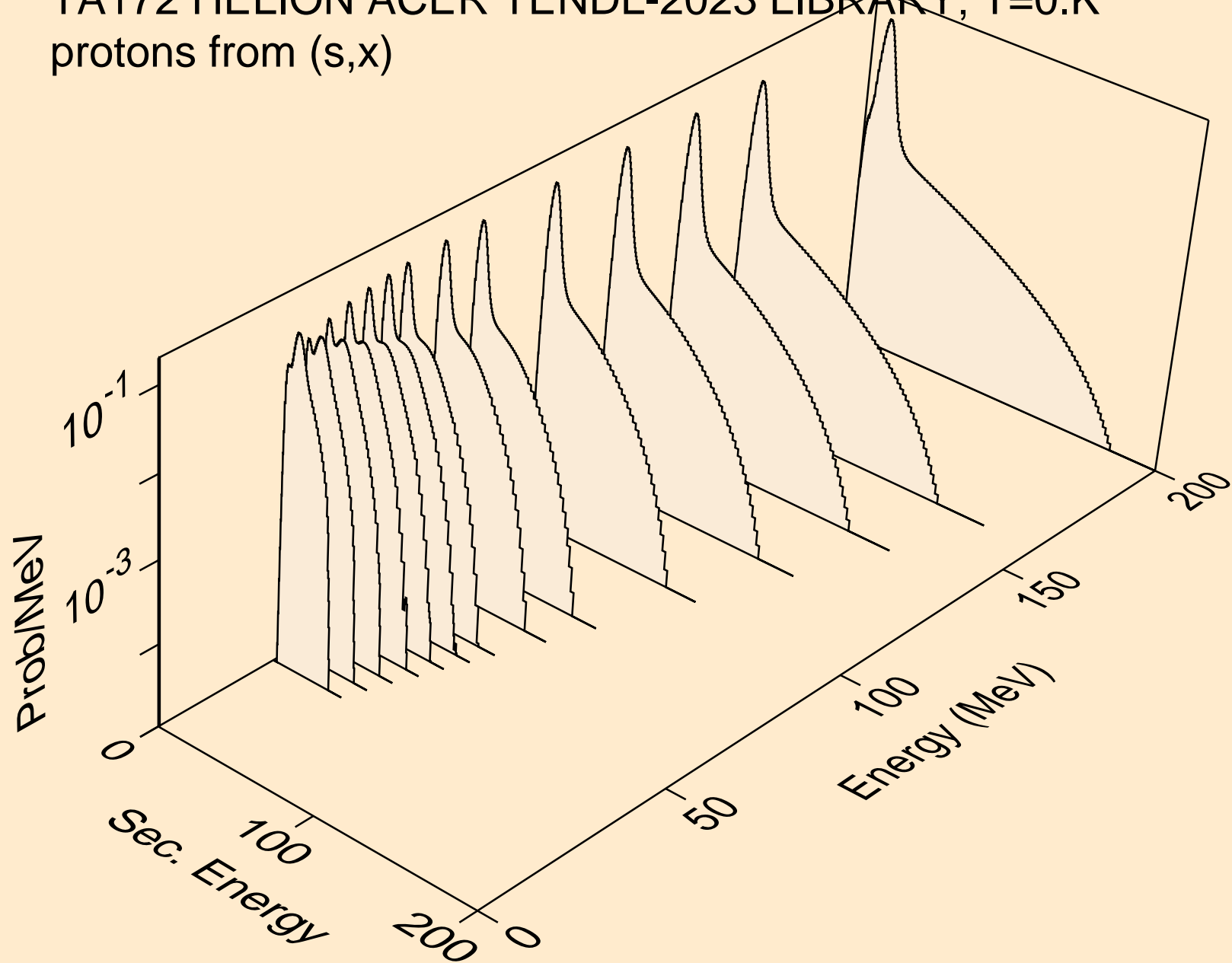
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n2p)



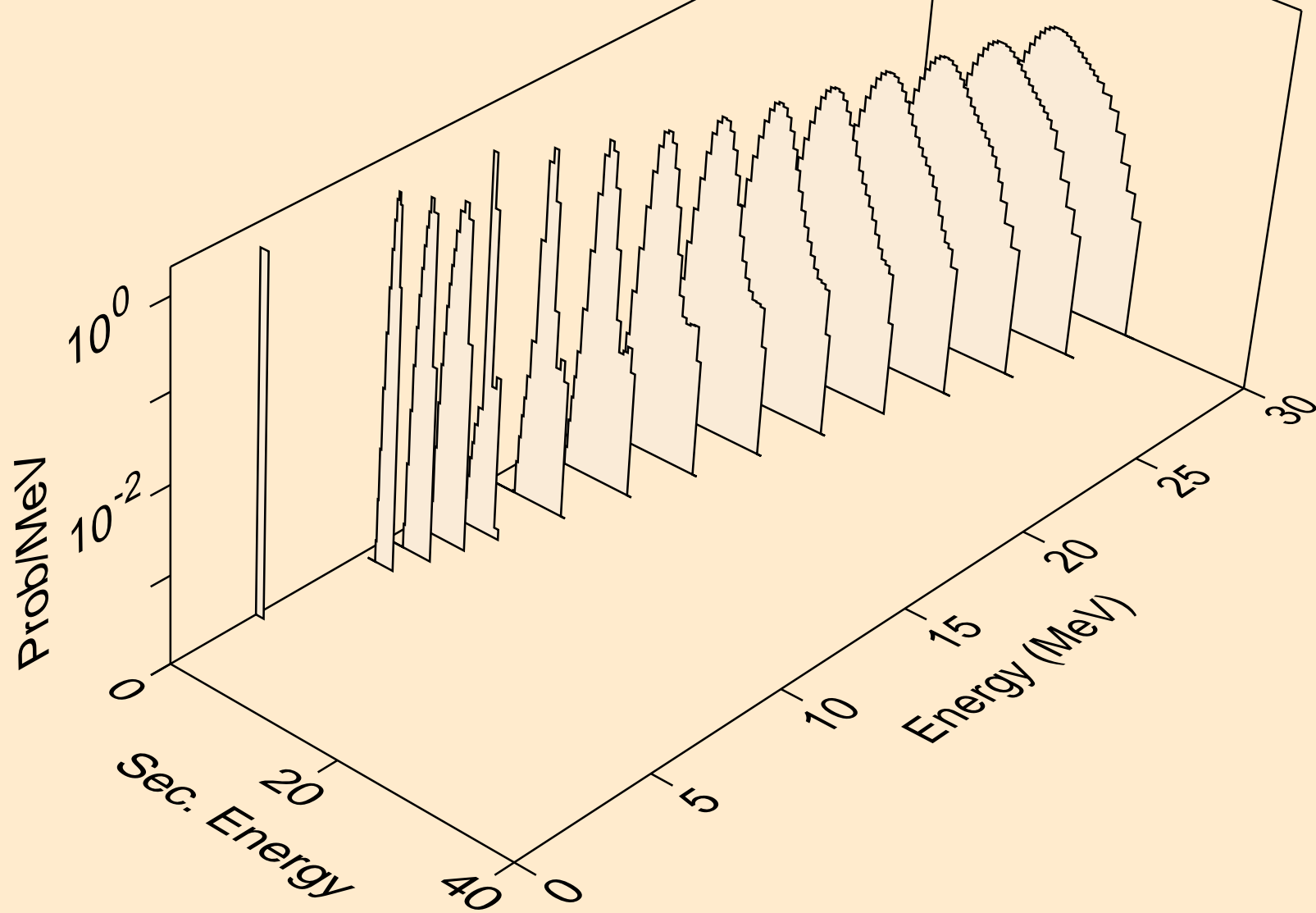
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,npa)



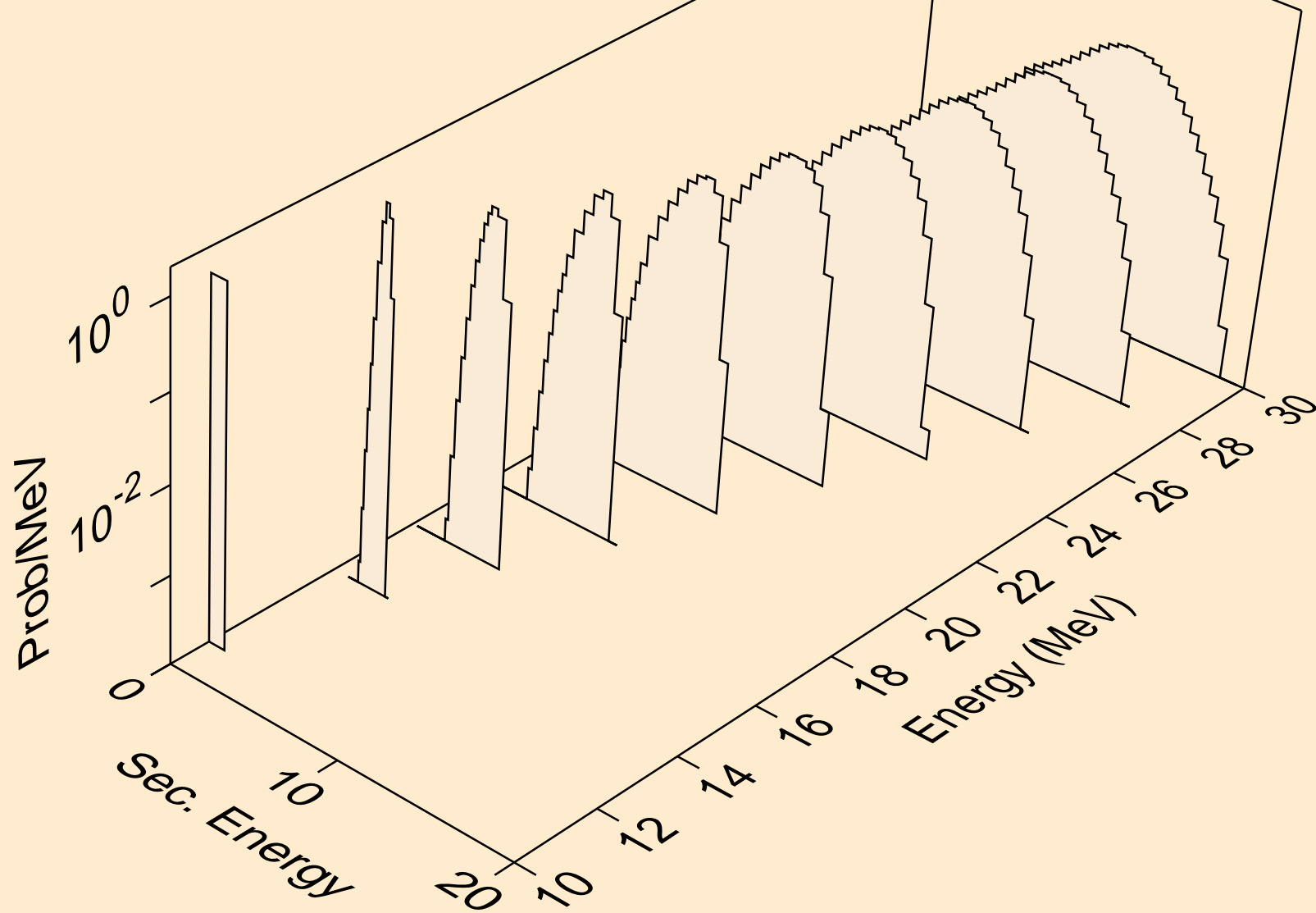
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protons from (s,x)



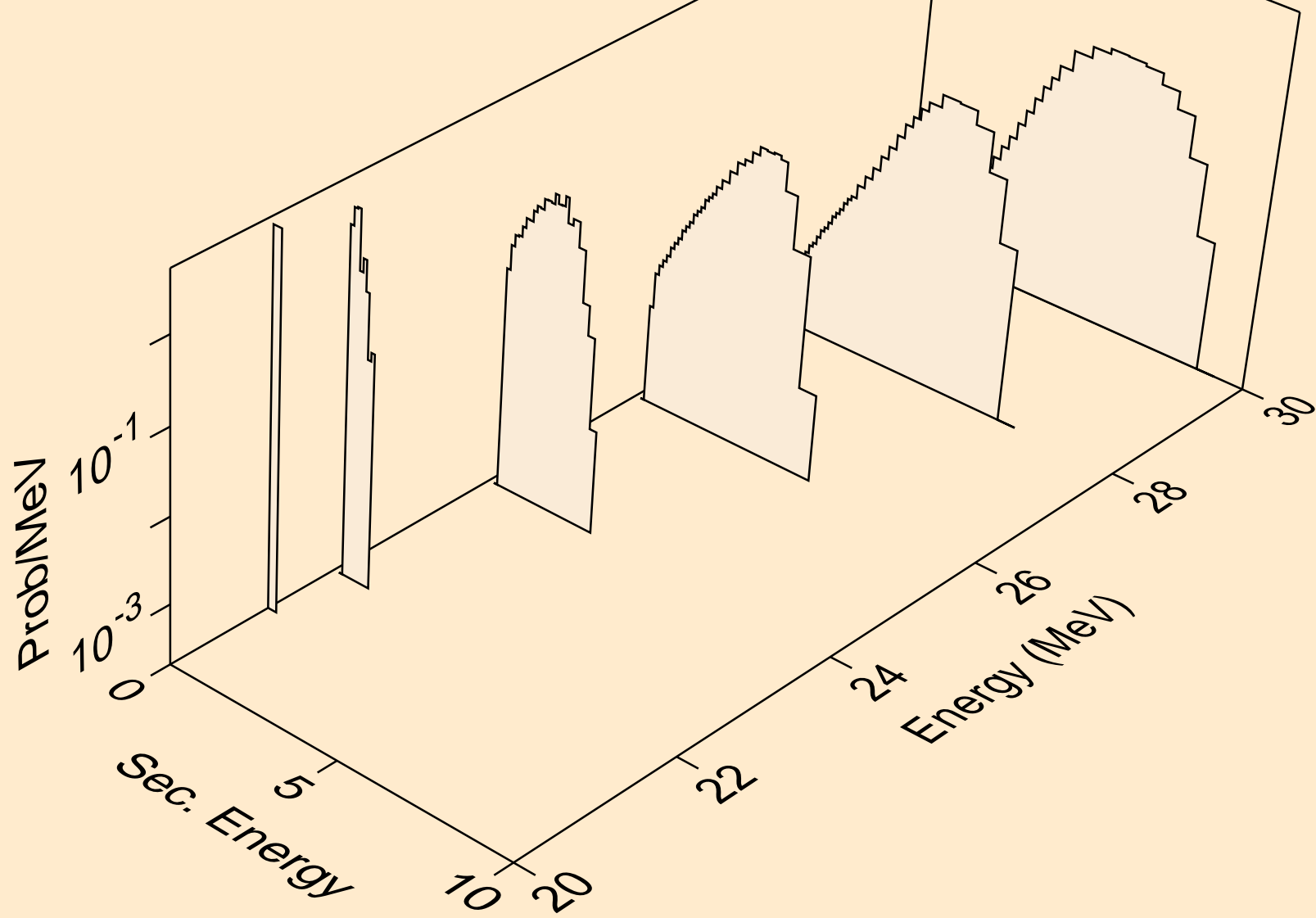
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,n\*)p



TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,2np)

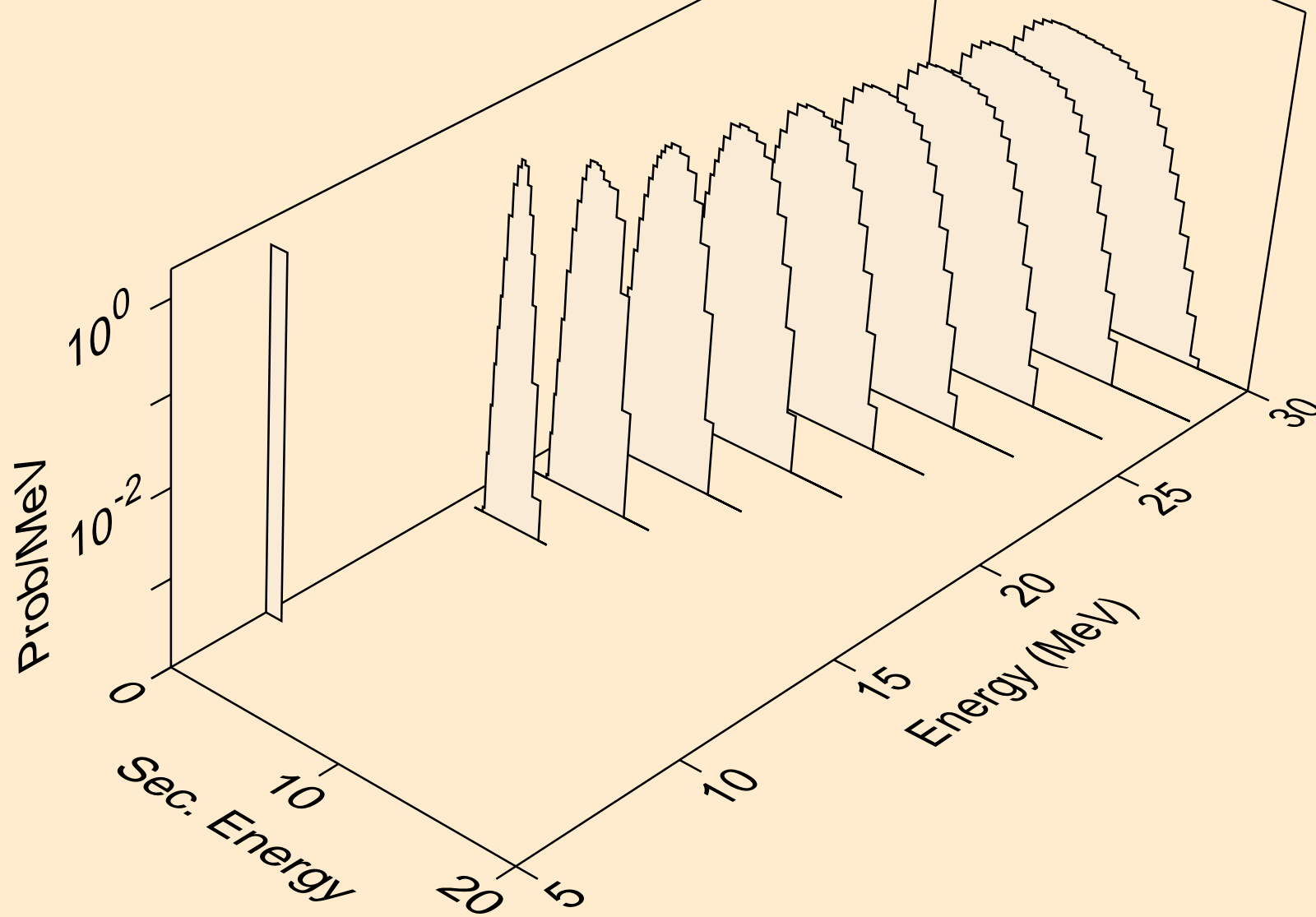


TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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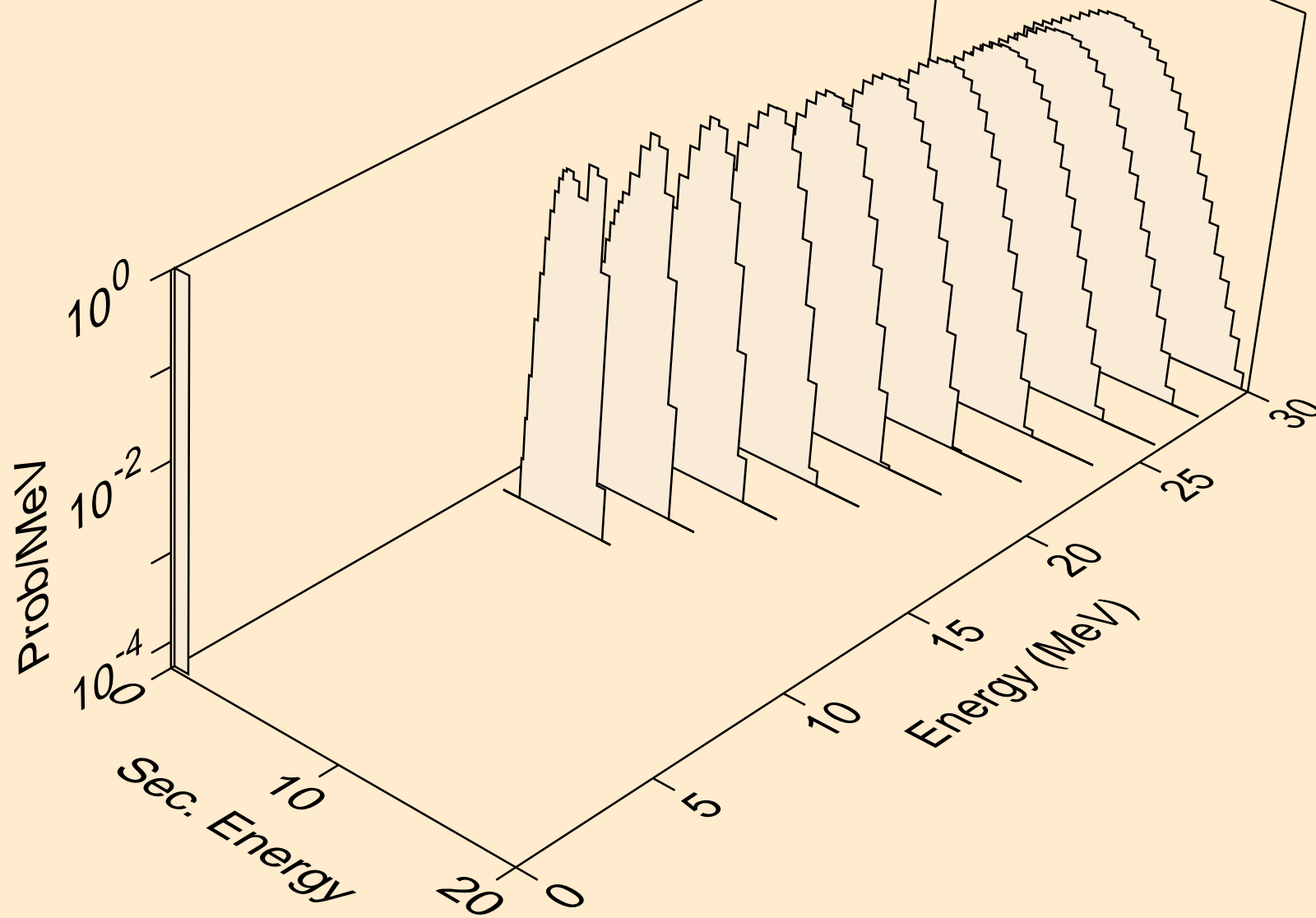




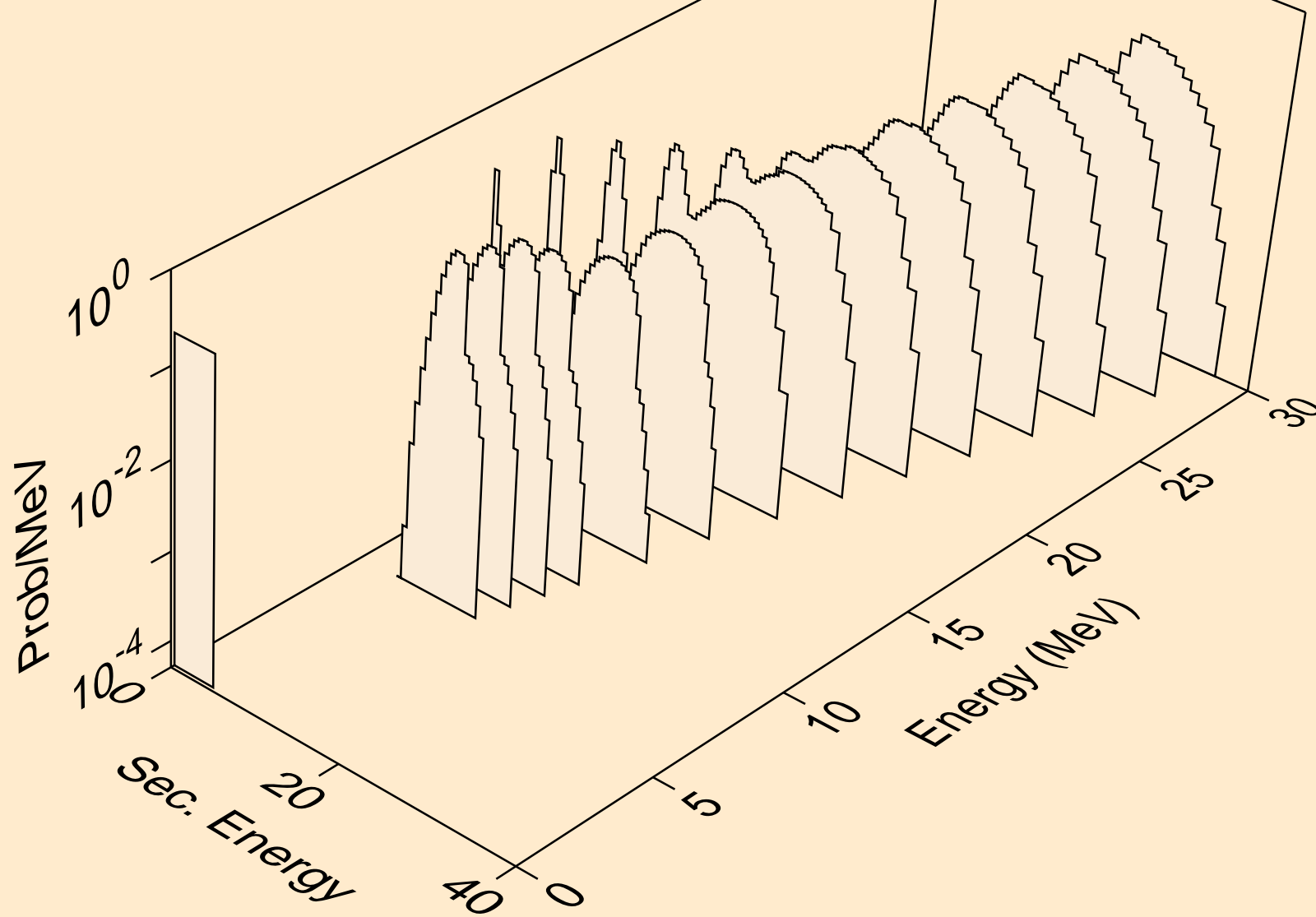
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protons from (s,n2p)



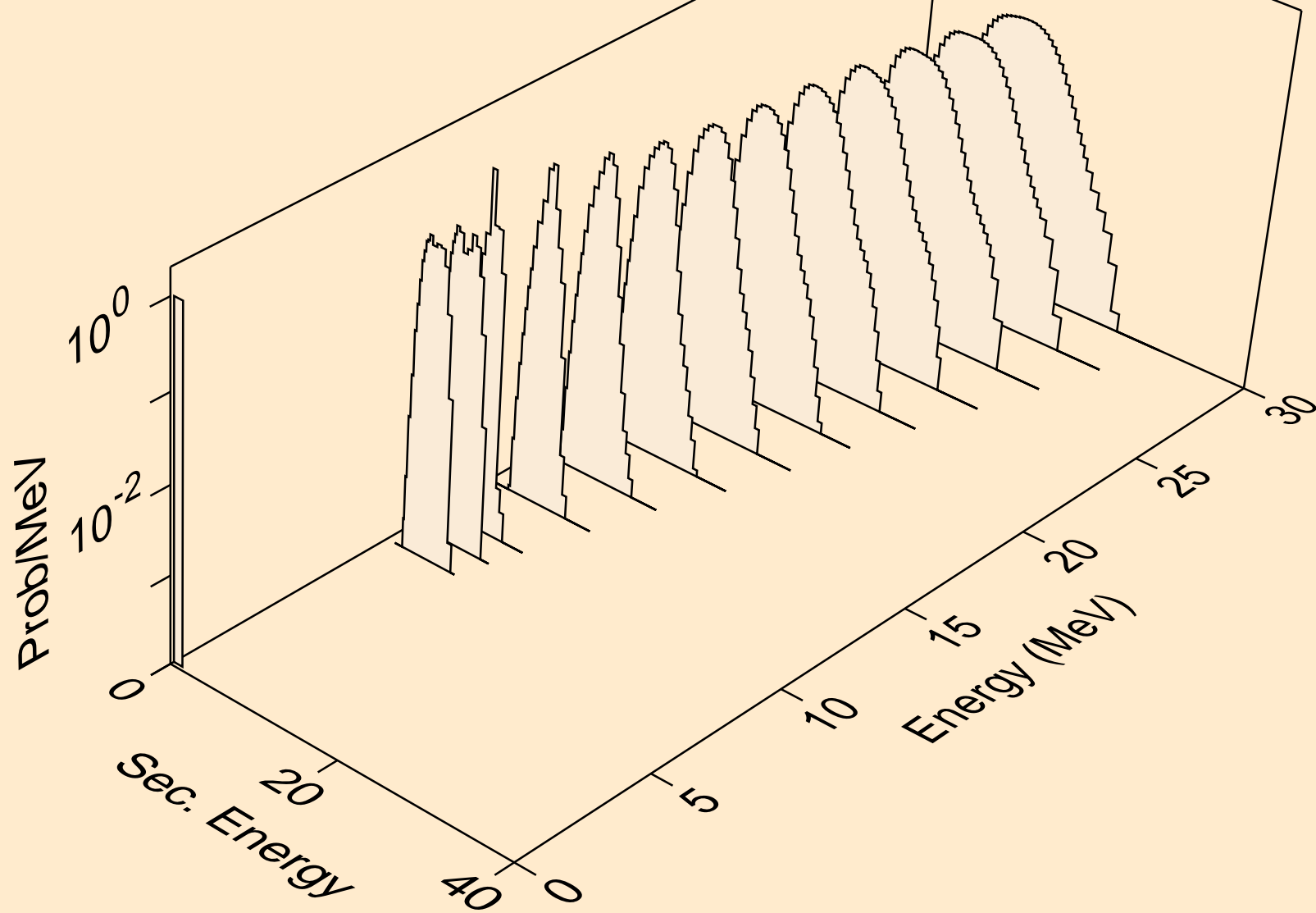
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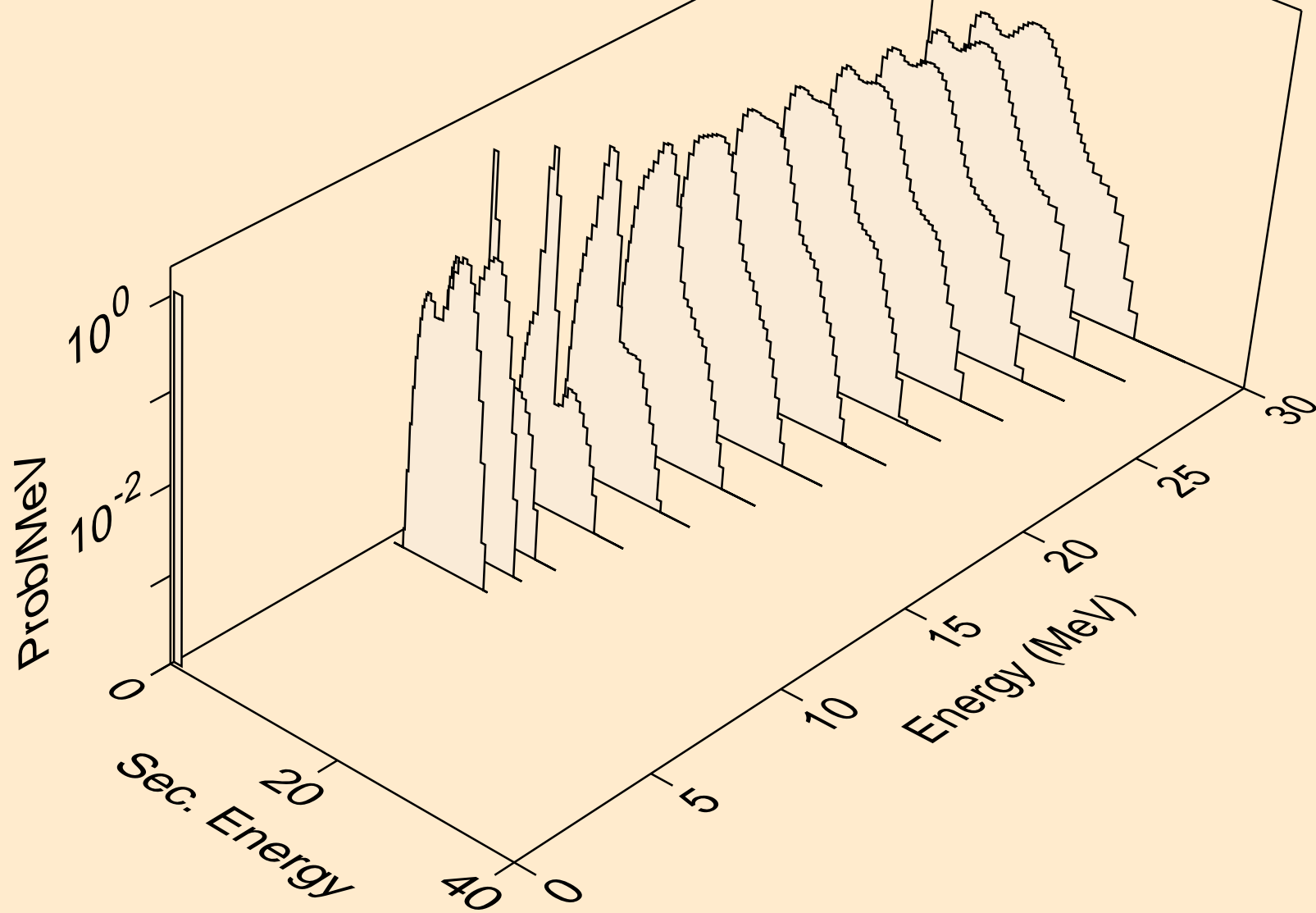
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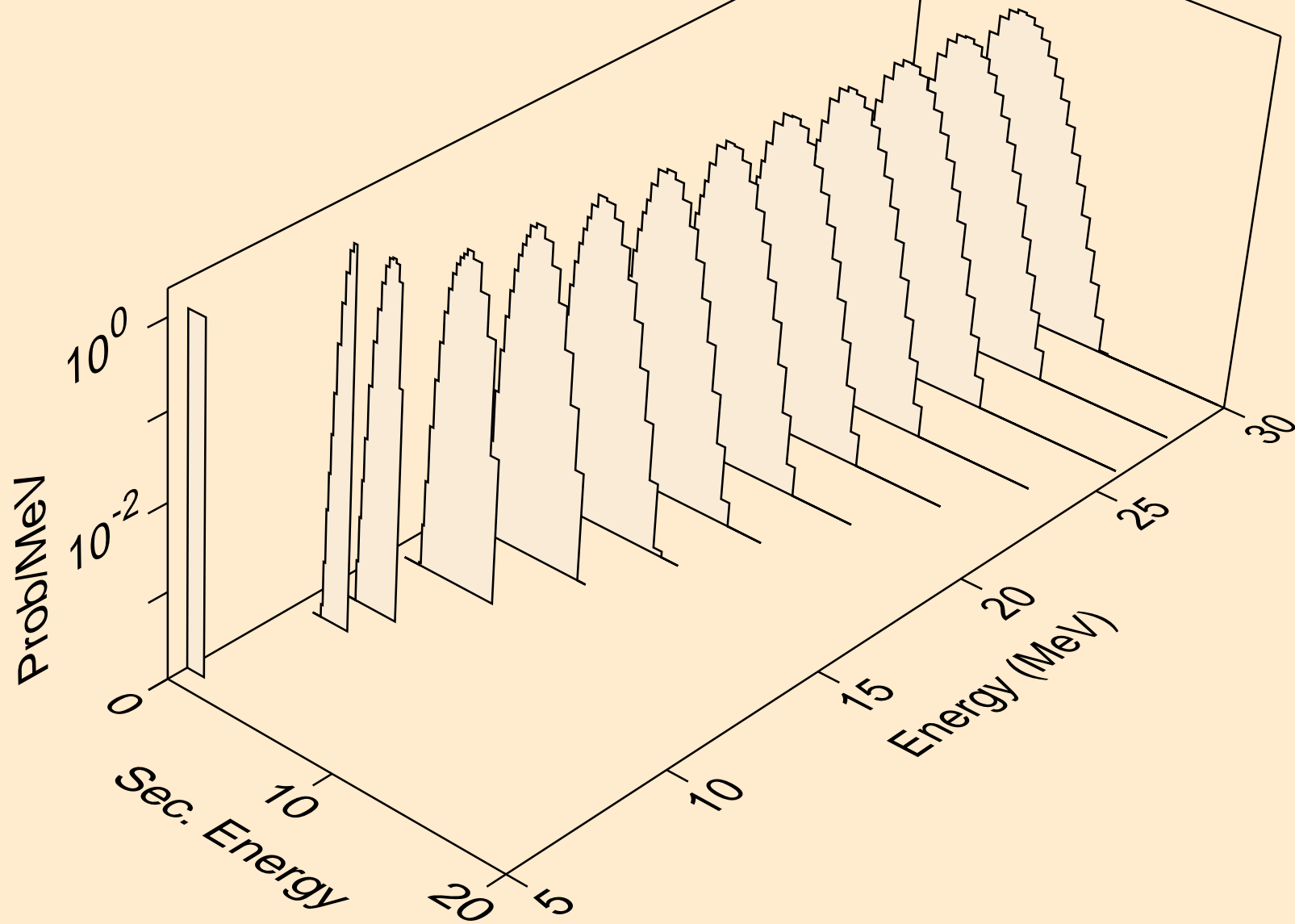
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protons from (s,2p)



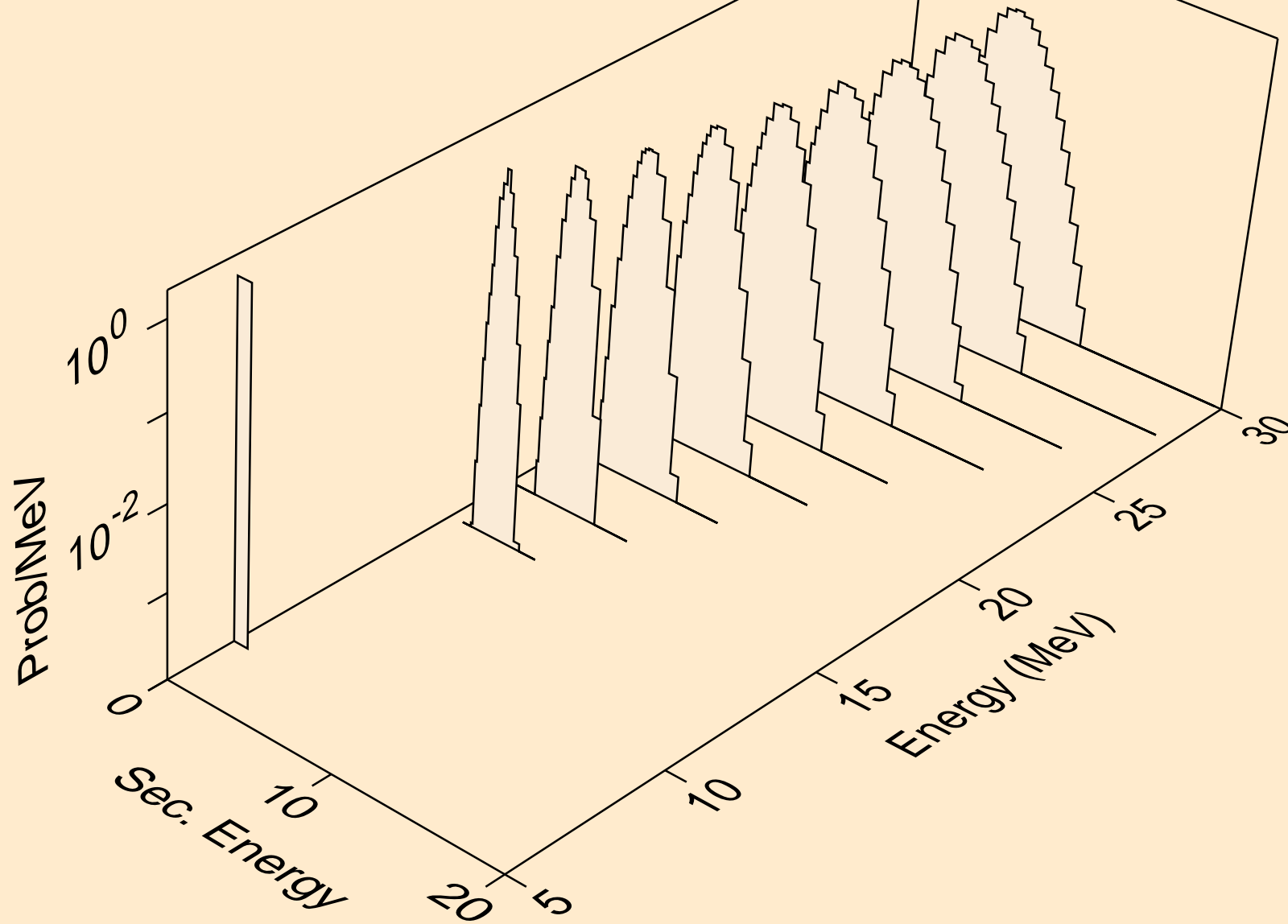
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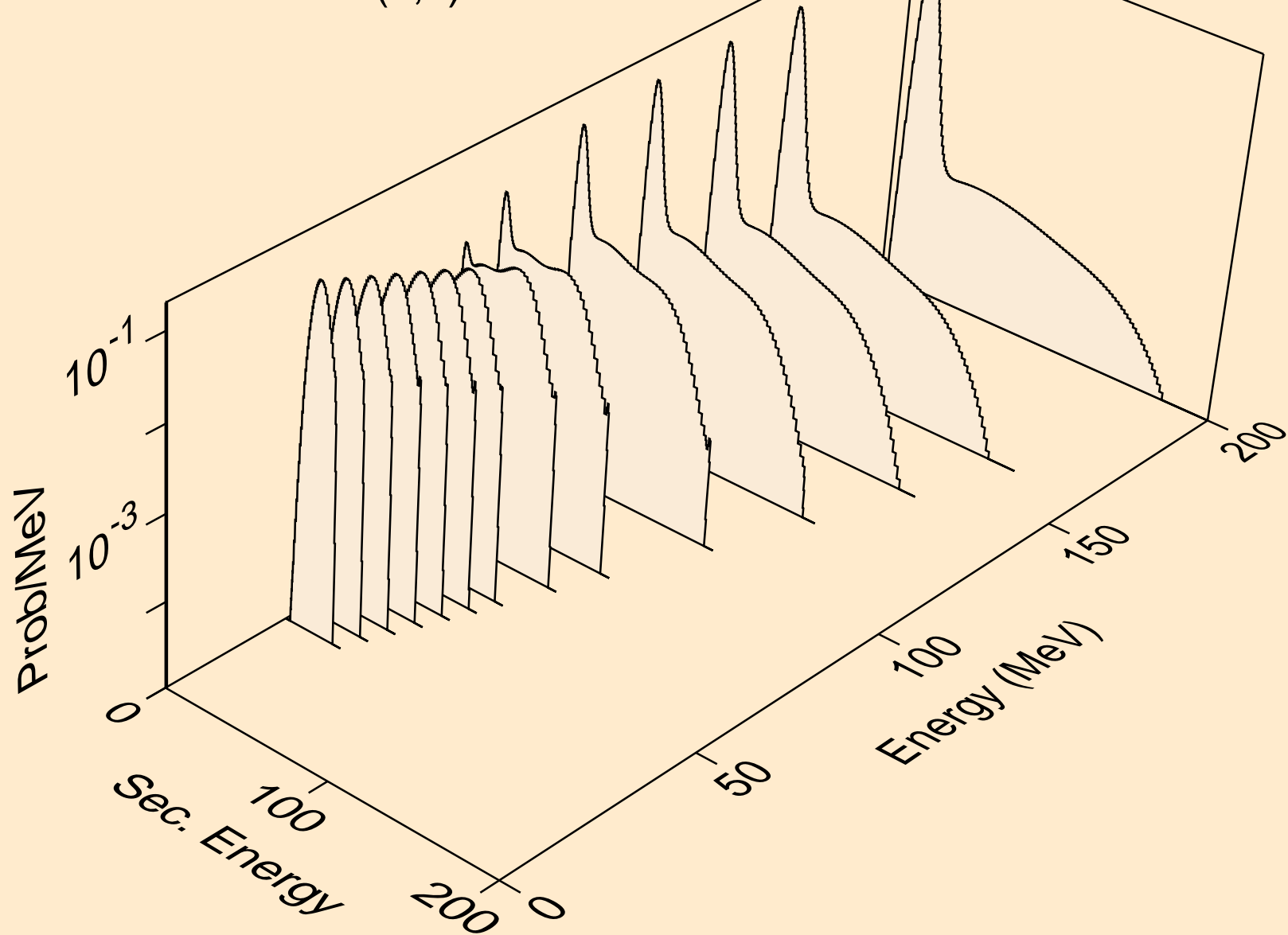
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pd)



TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pt)

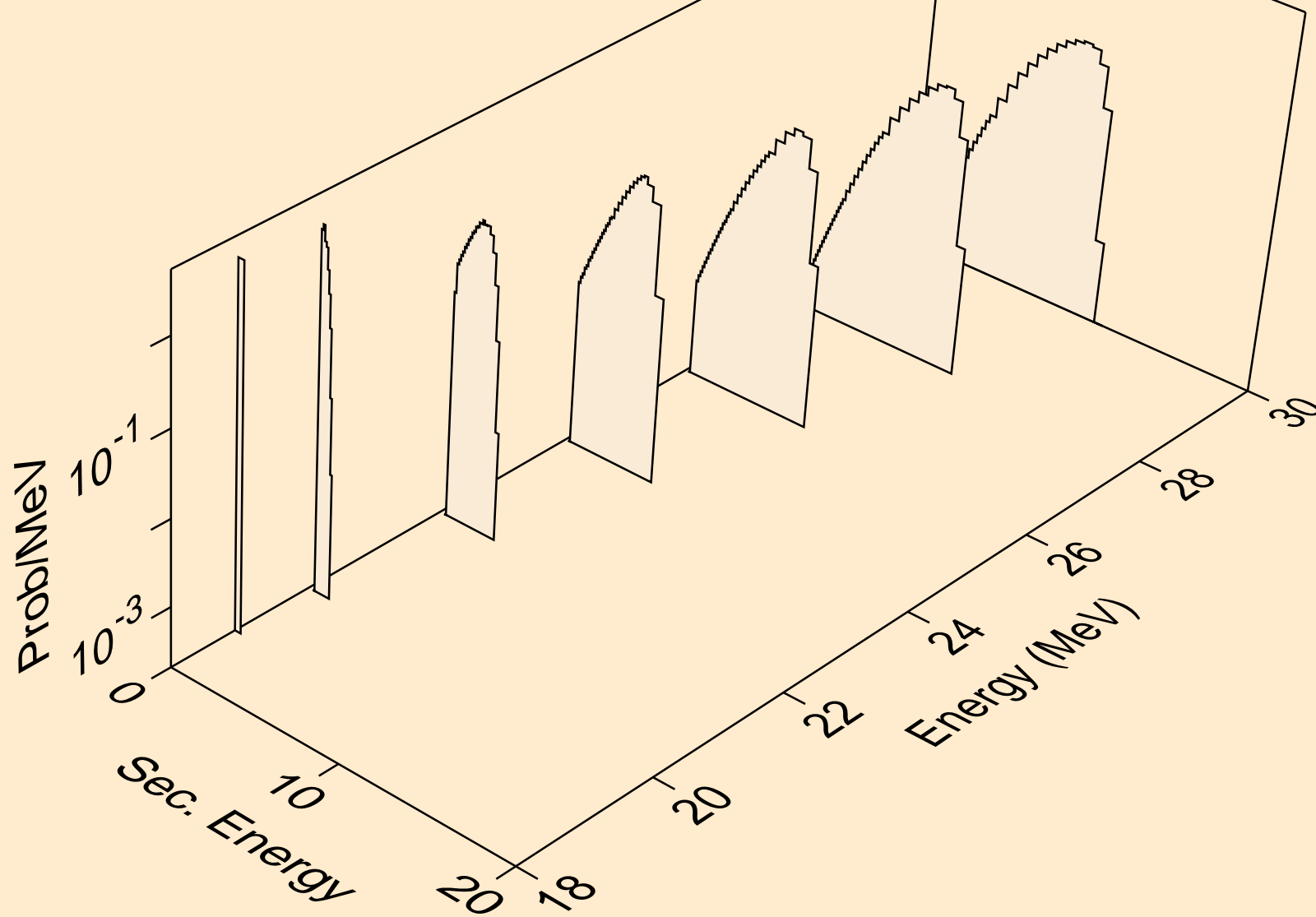


TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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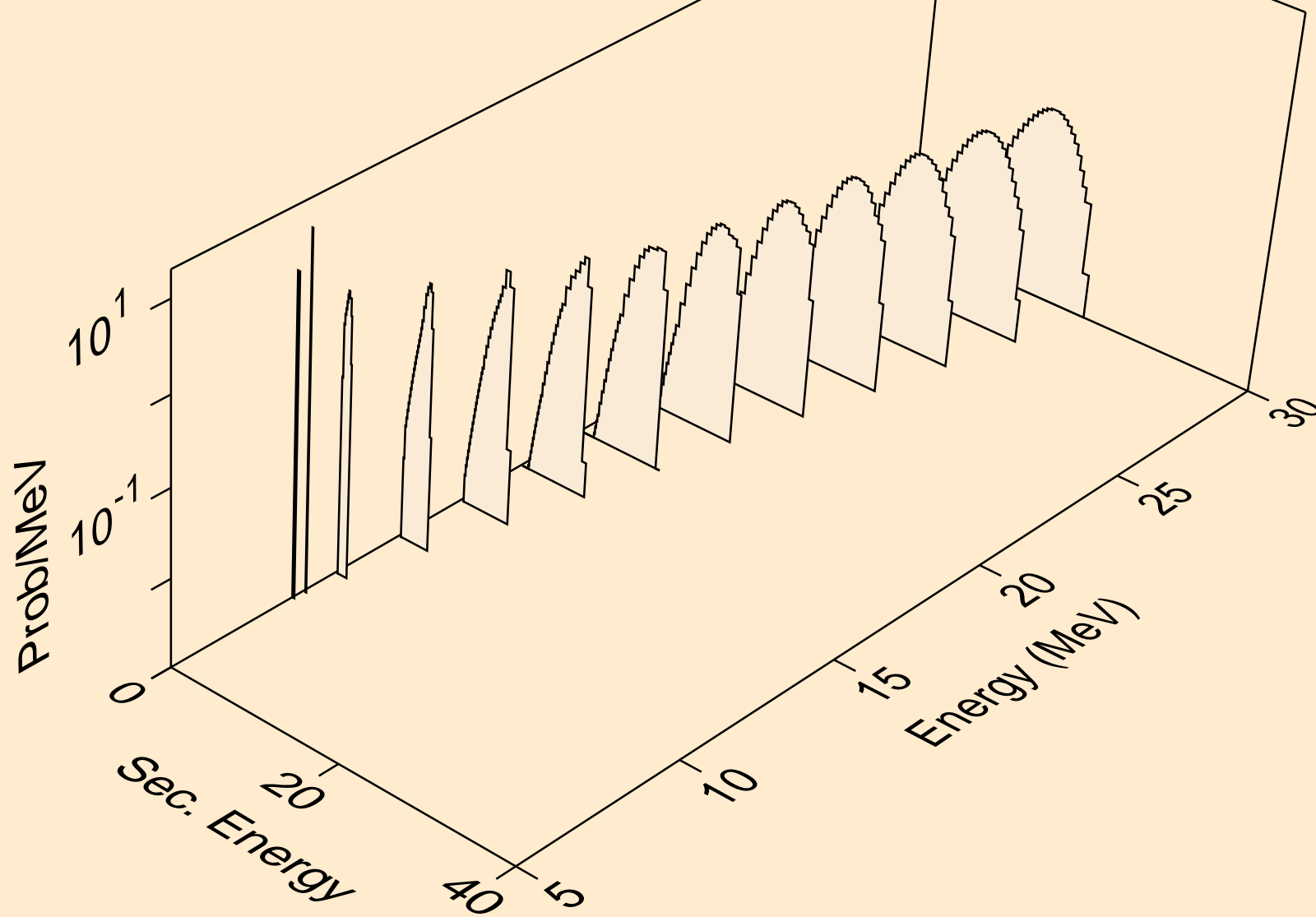




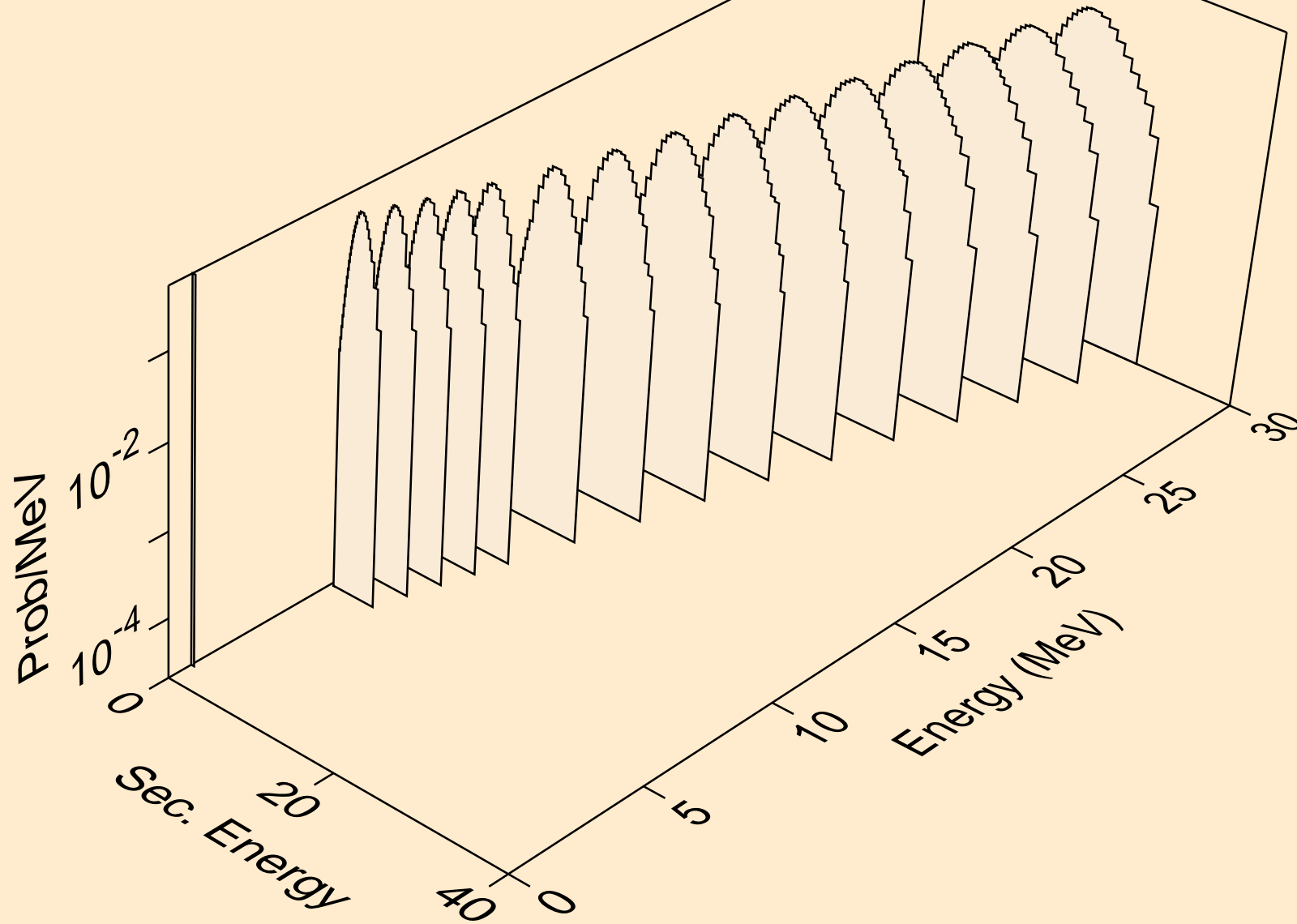
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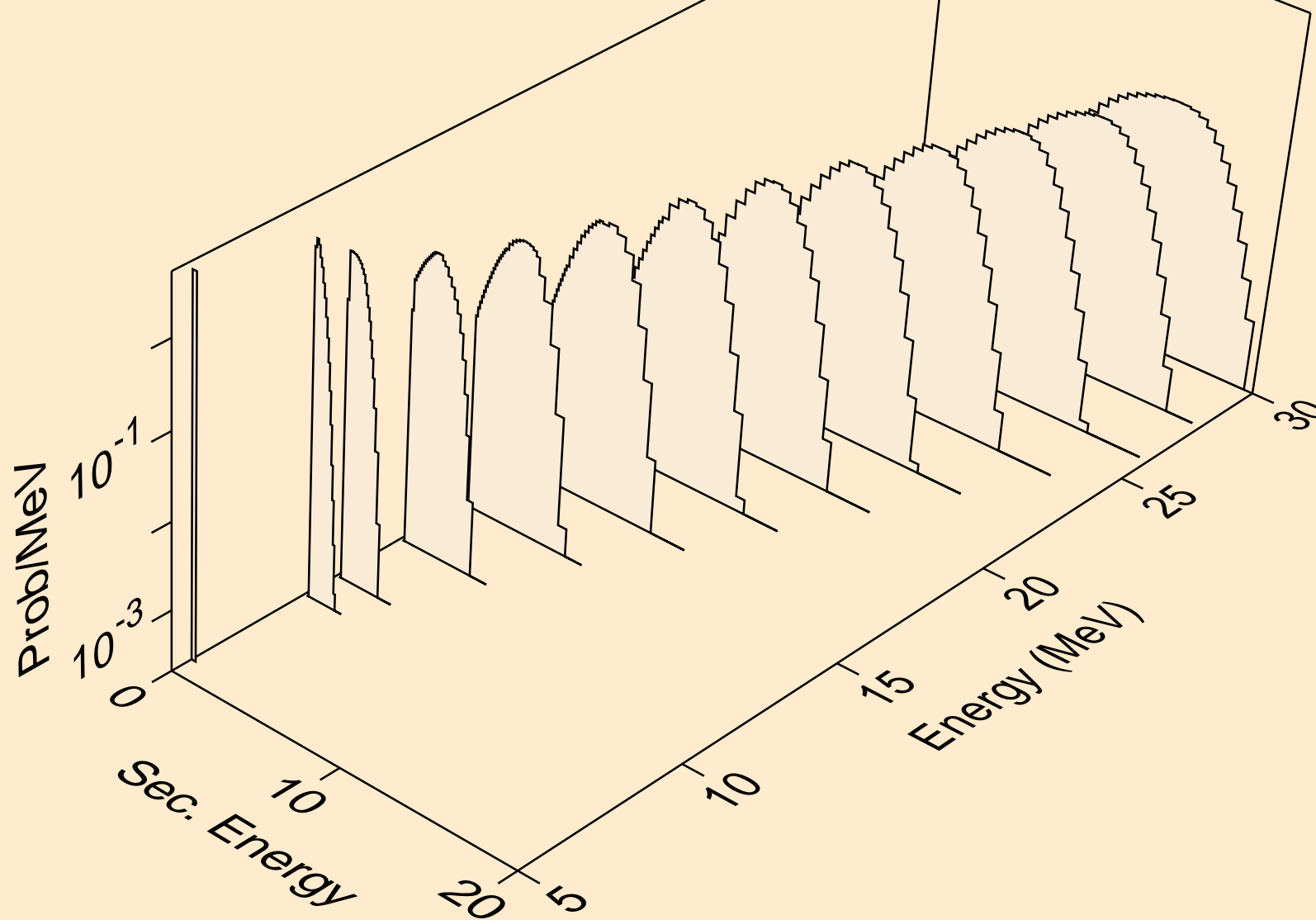
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deuterons from (s,n\*)d



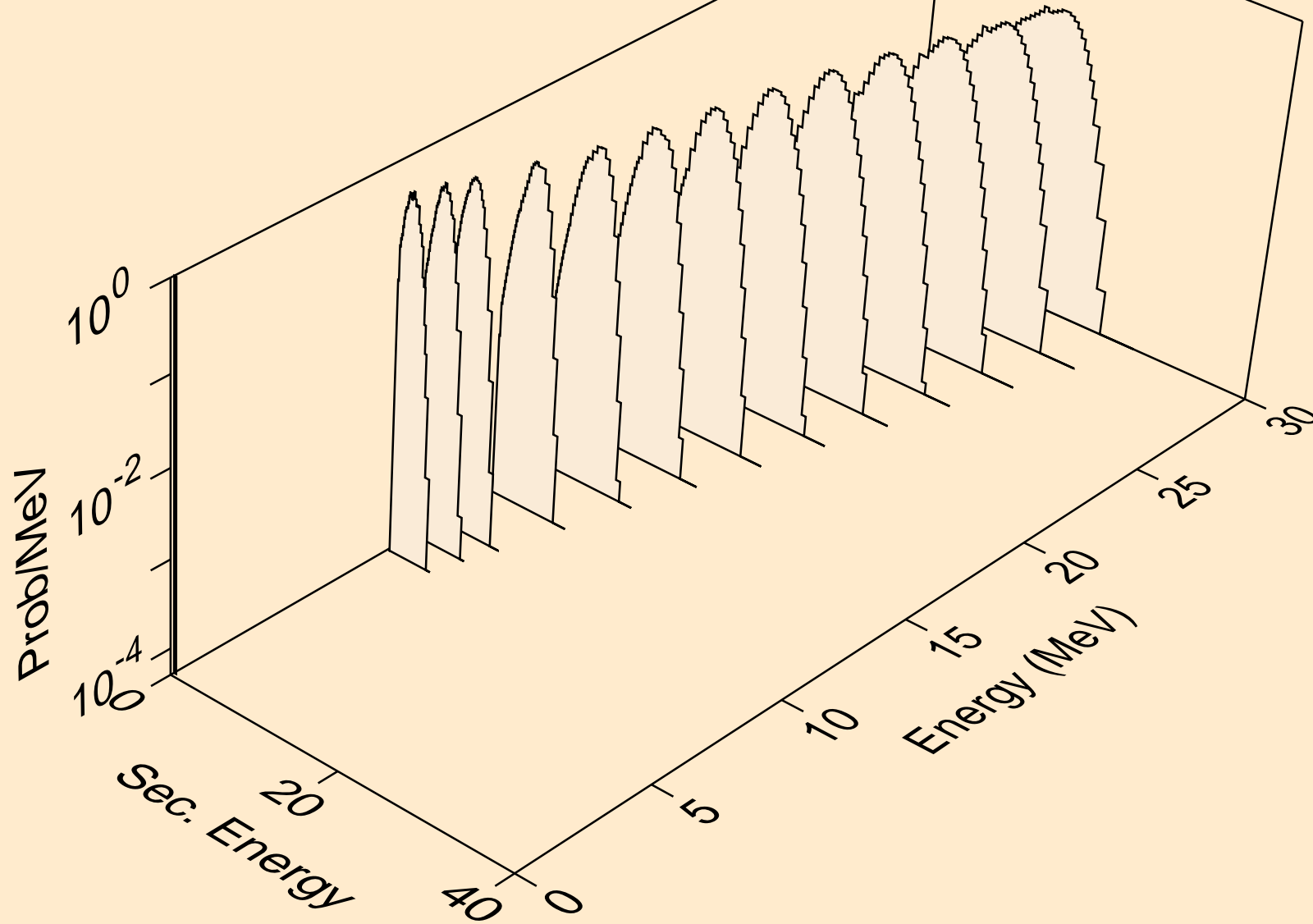
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deuterons from (s,d)



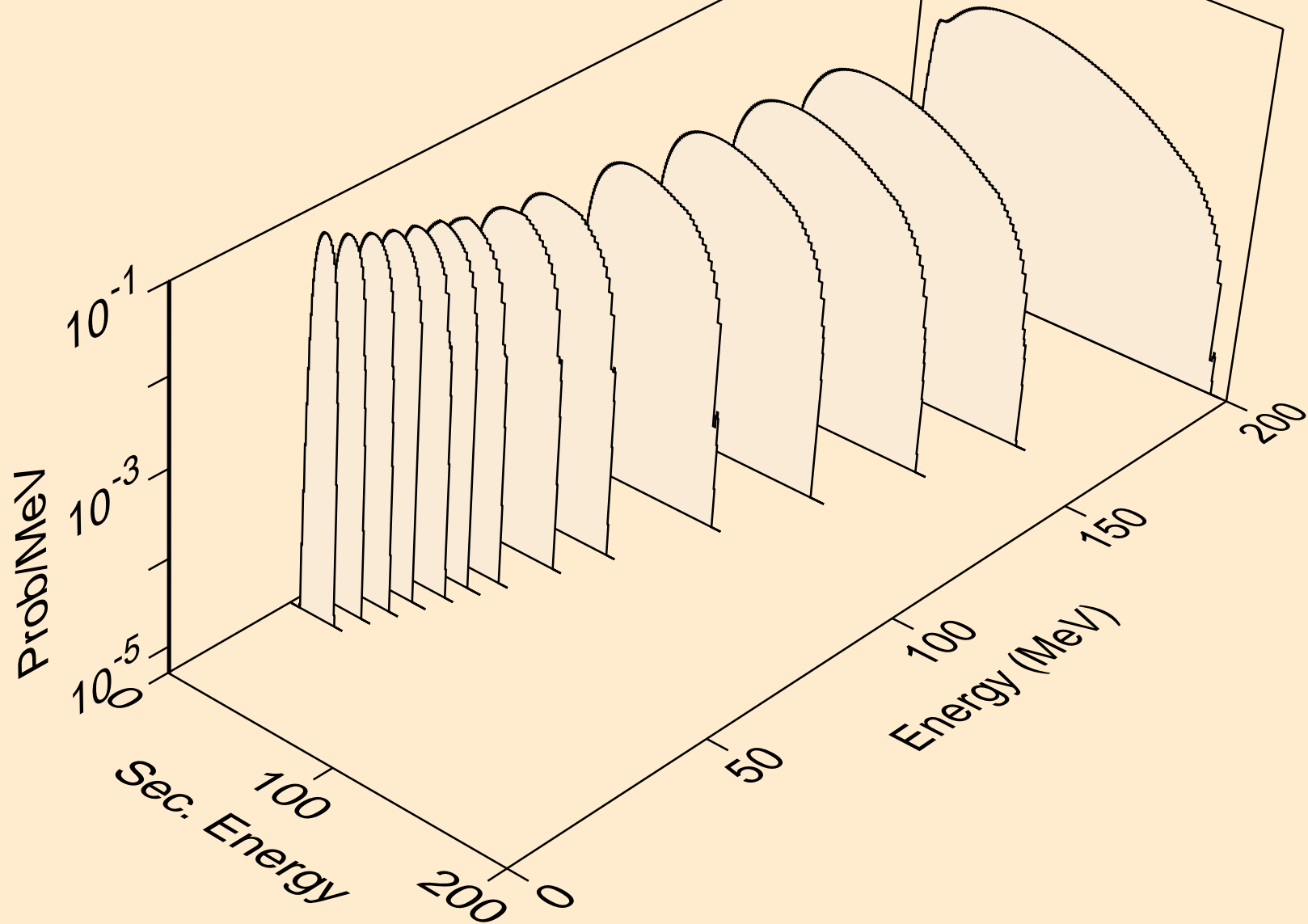
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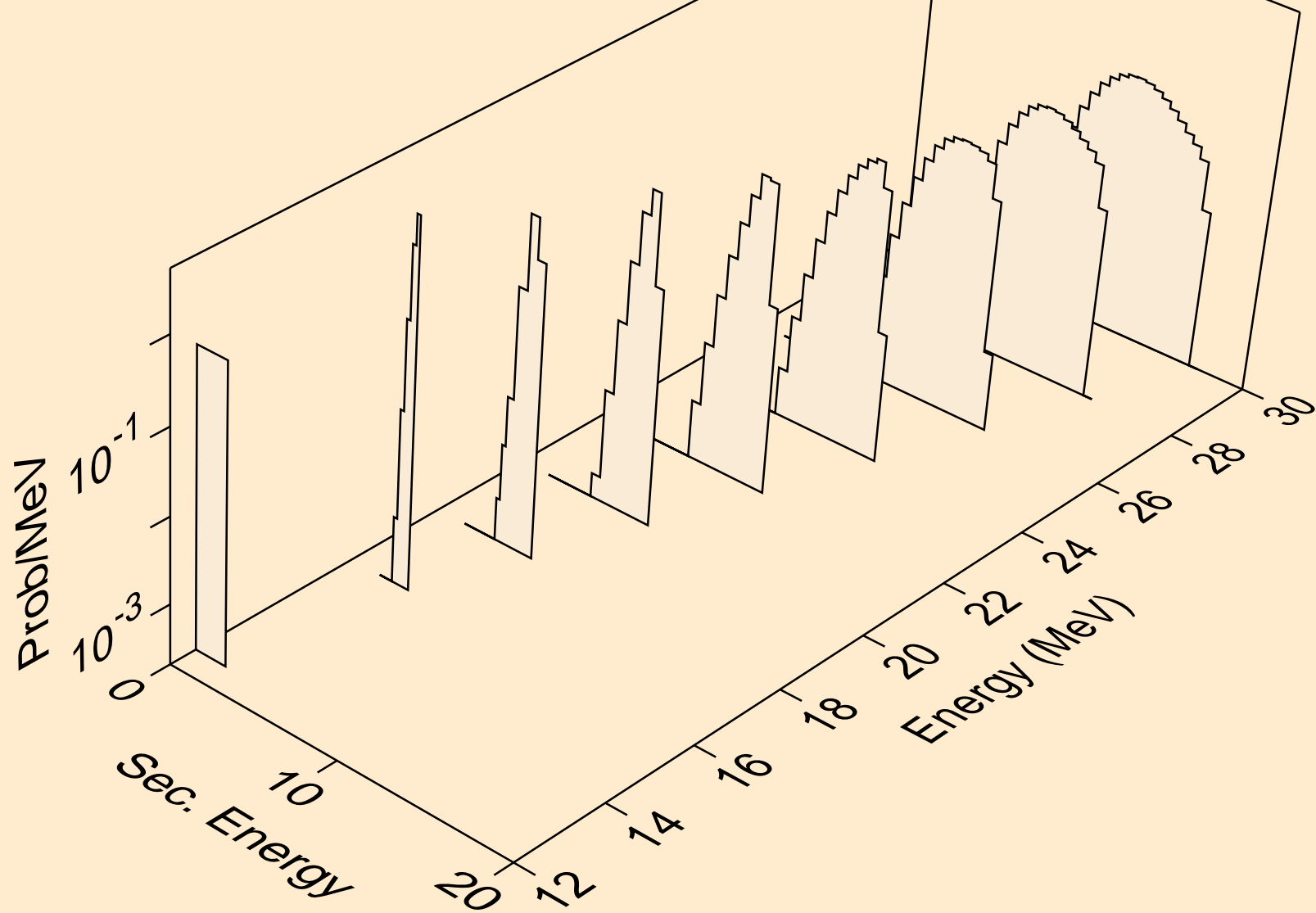
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deuterons from (s,da)



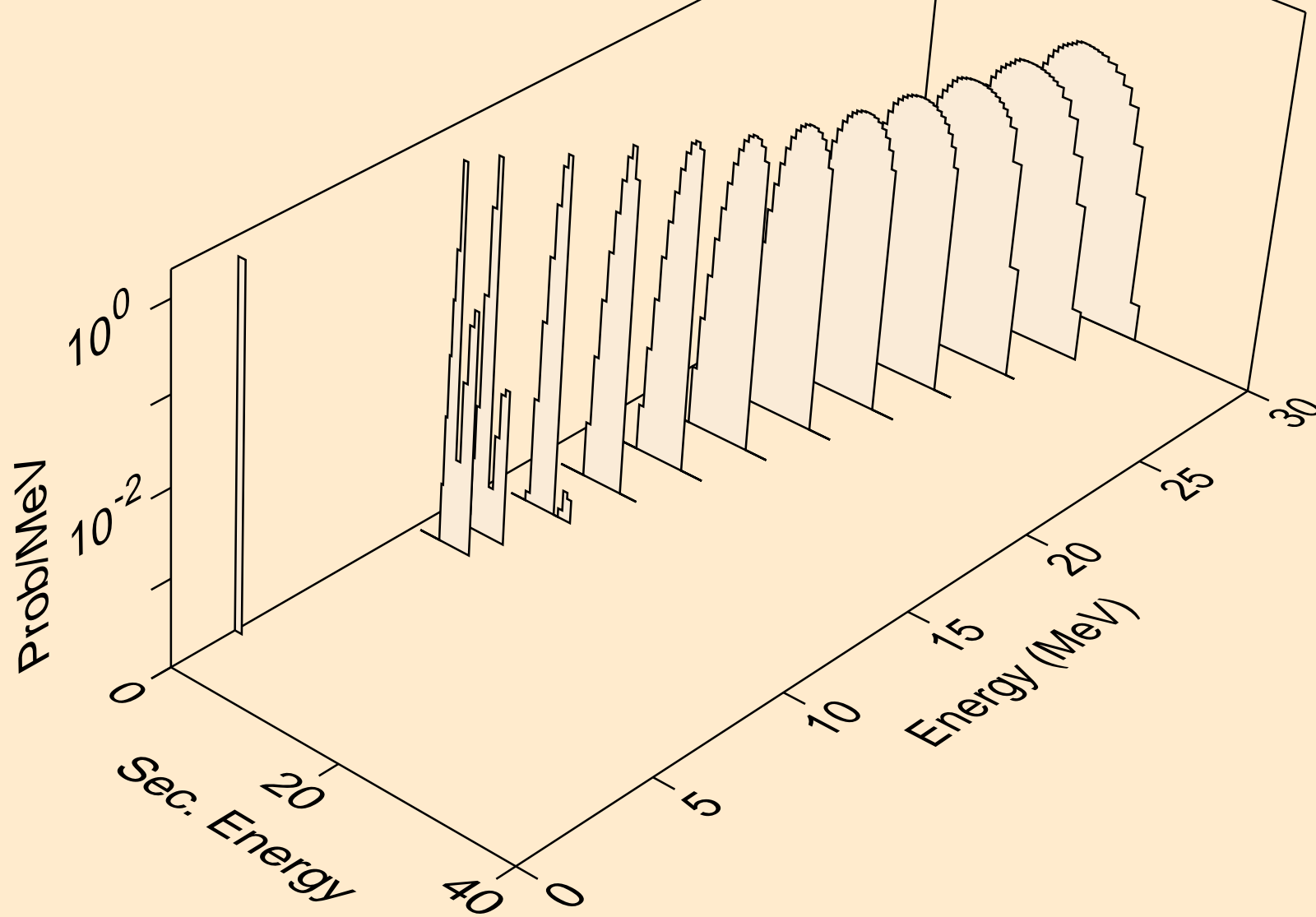
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,x)



TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,n\*)t

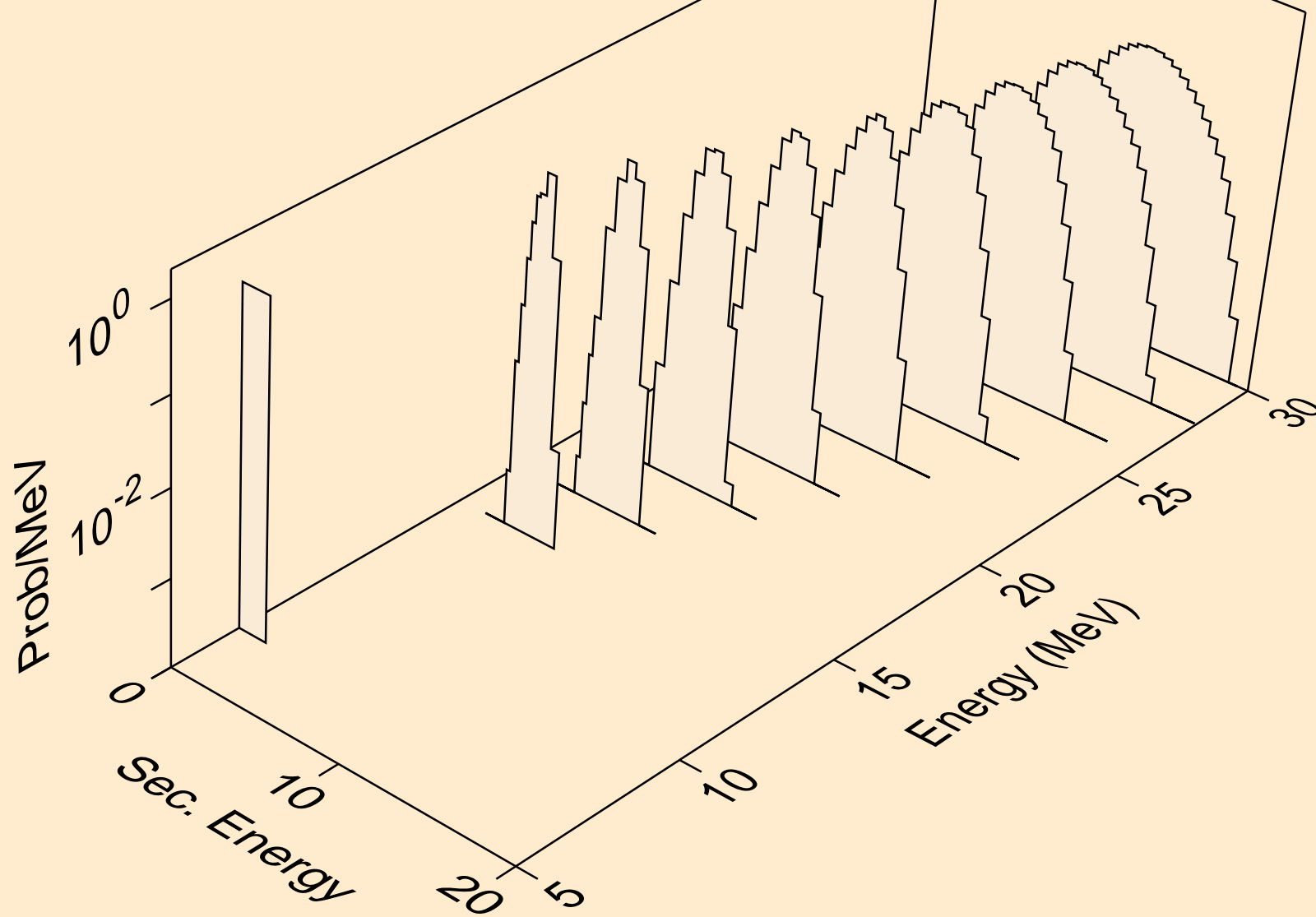


TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,t)

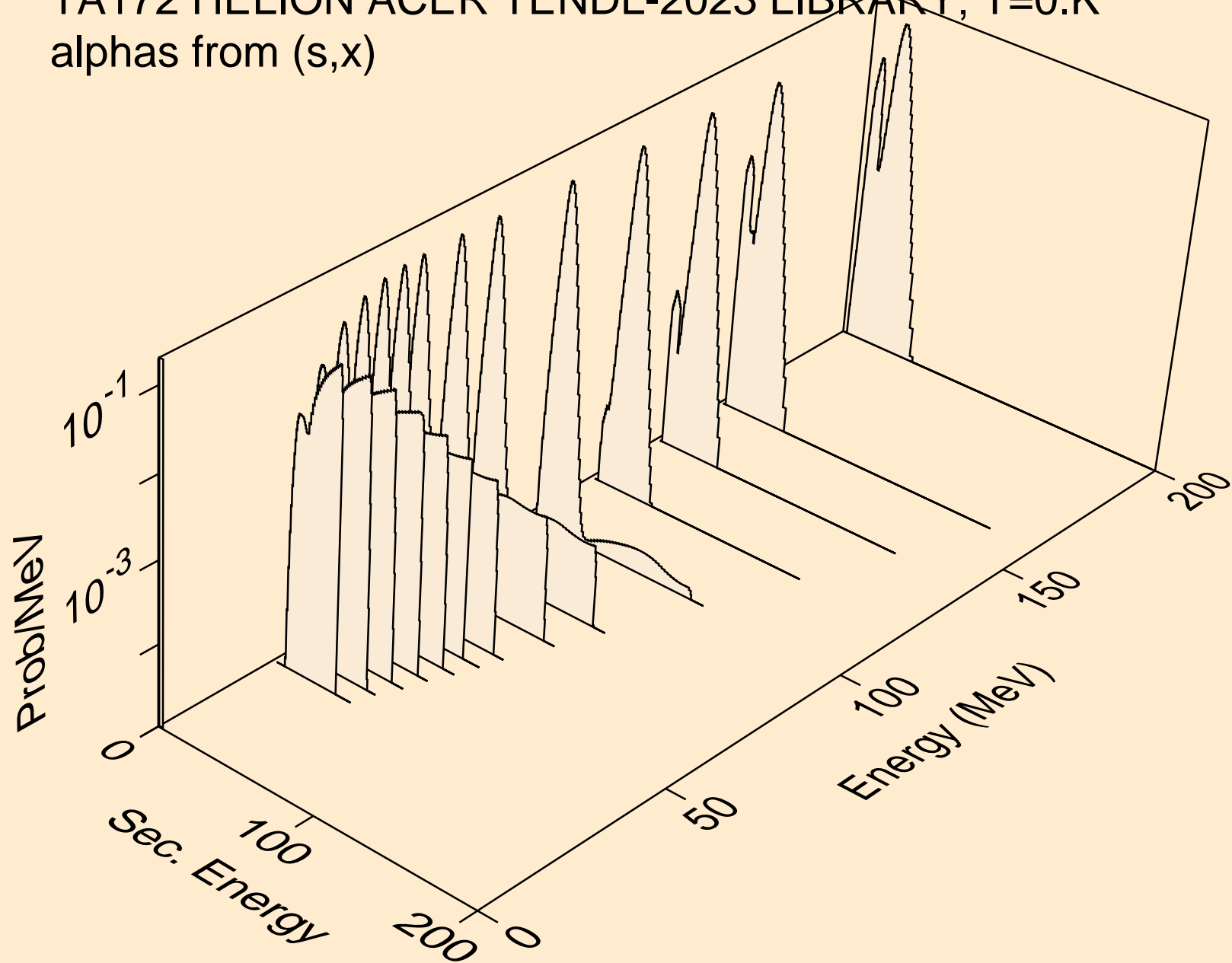




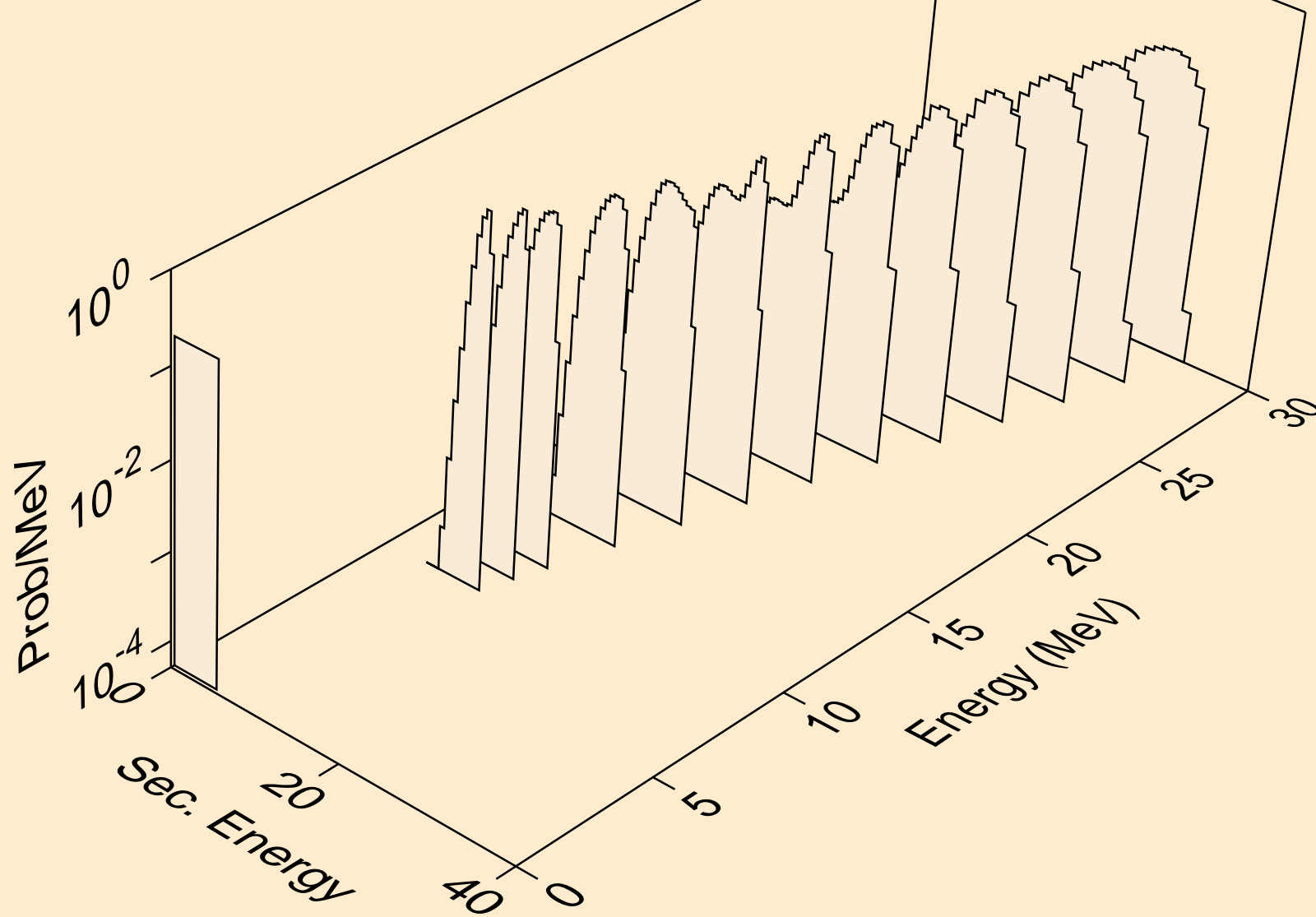
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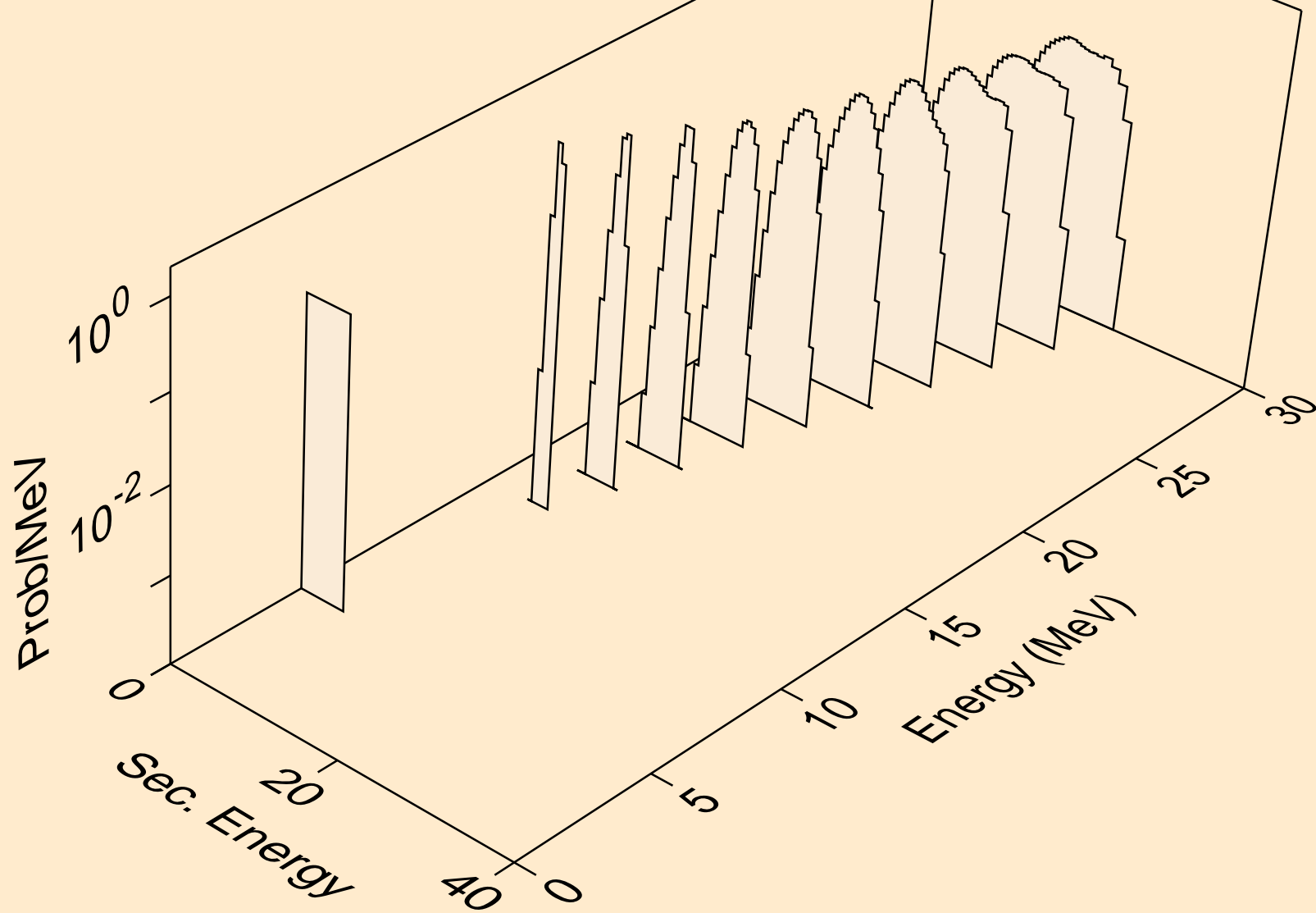
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,x)



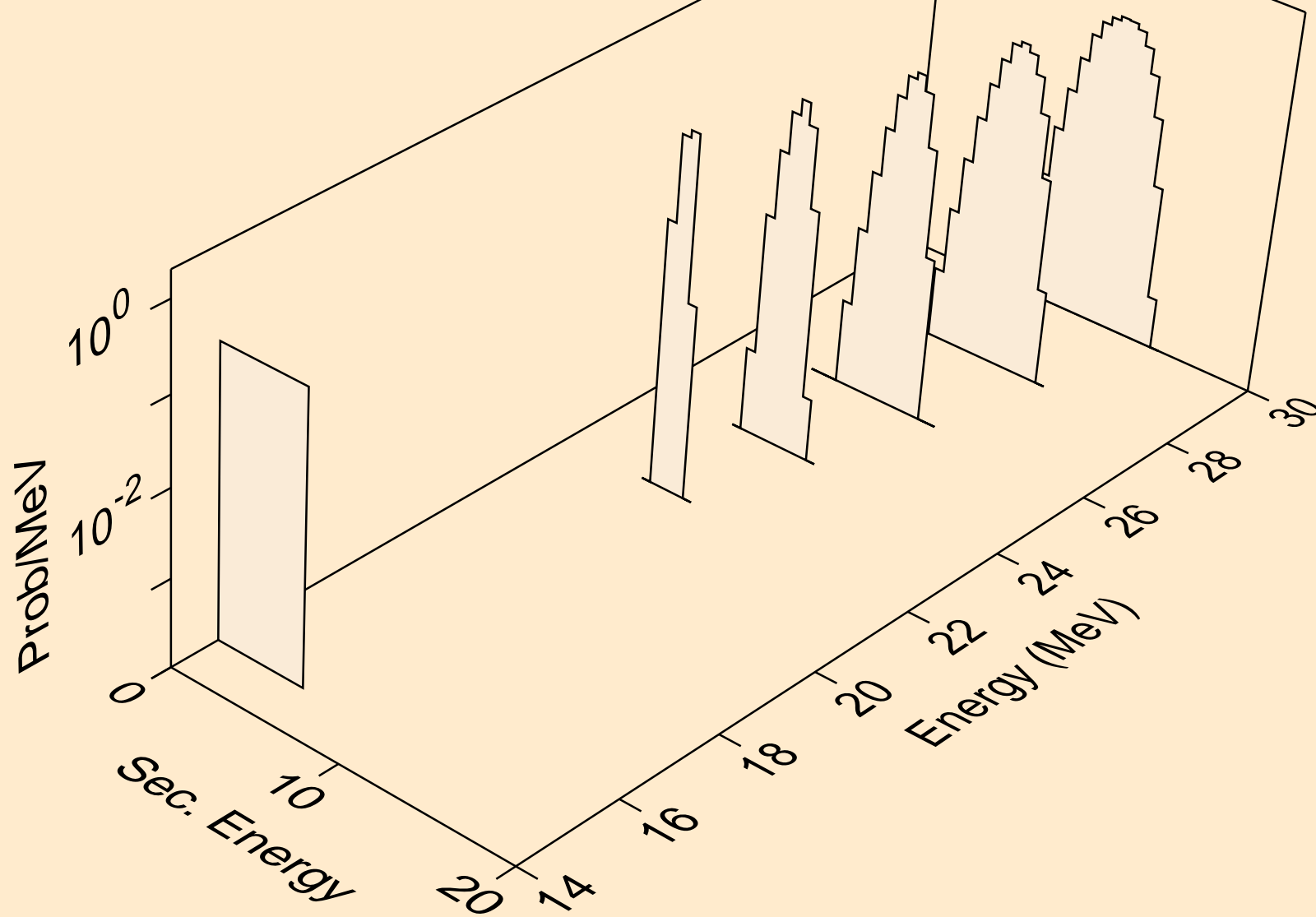
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)a



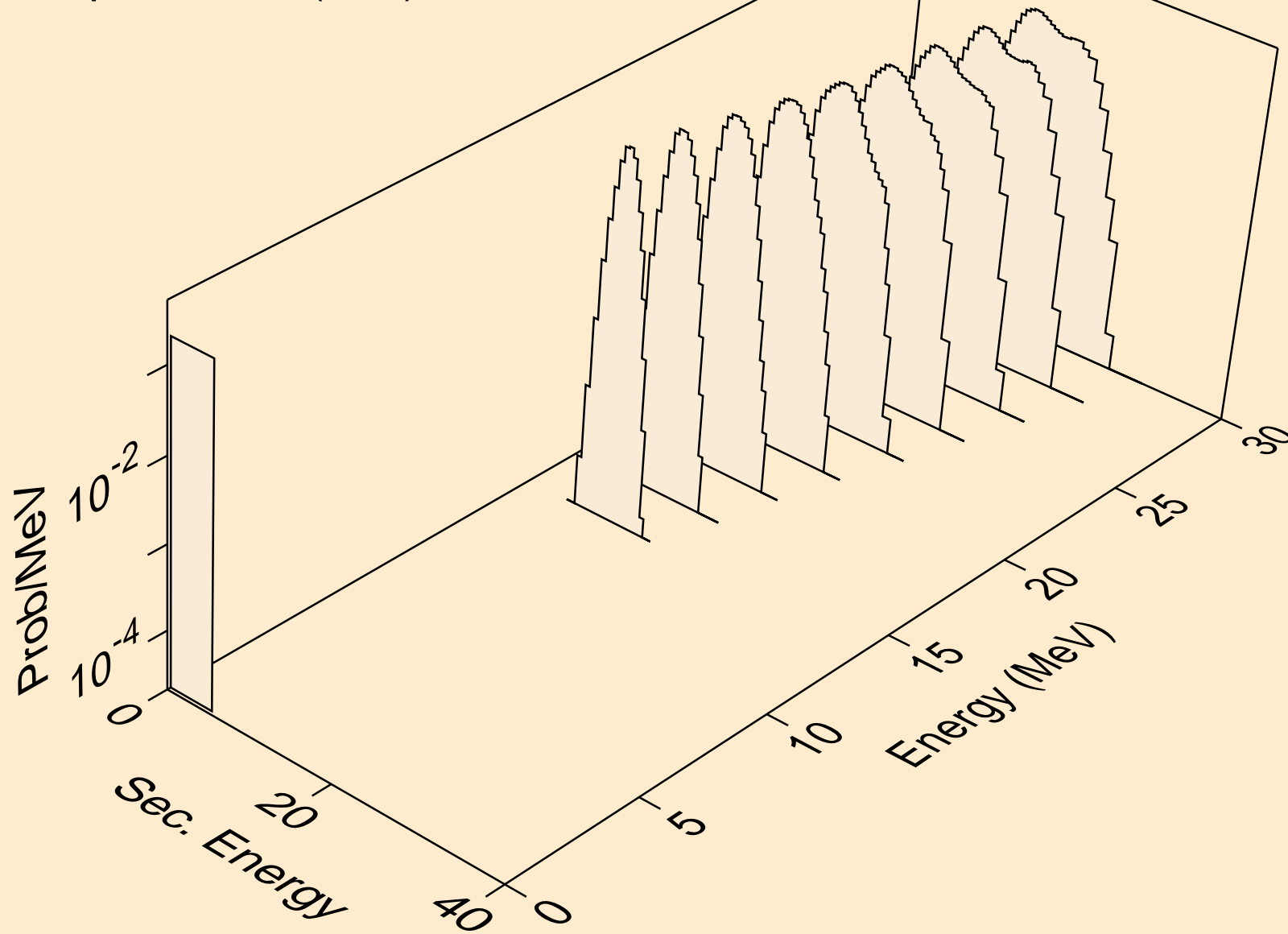
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2n)a



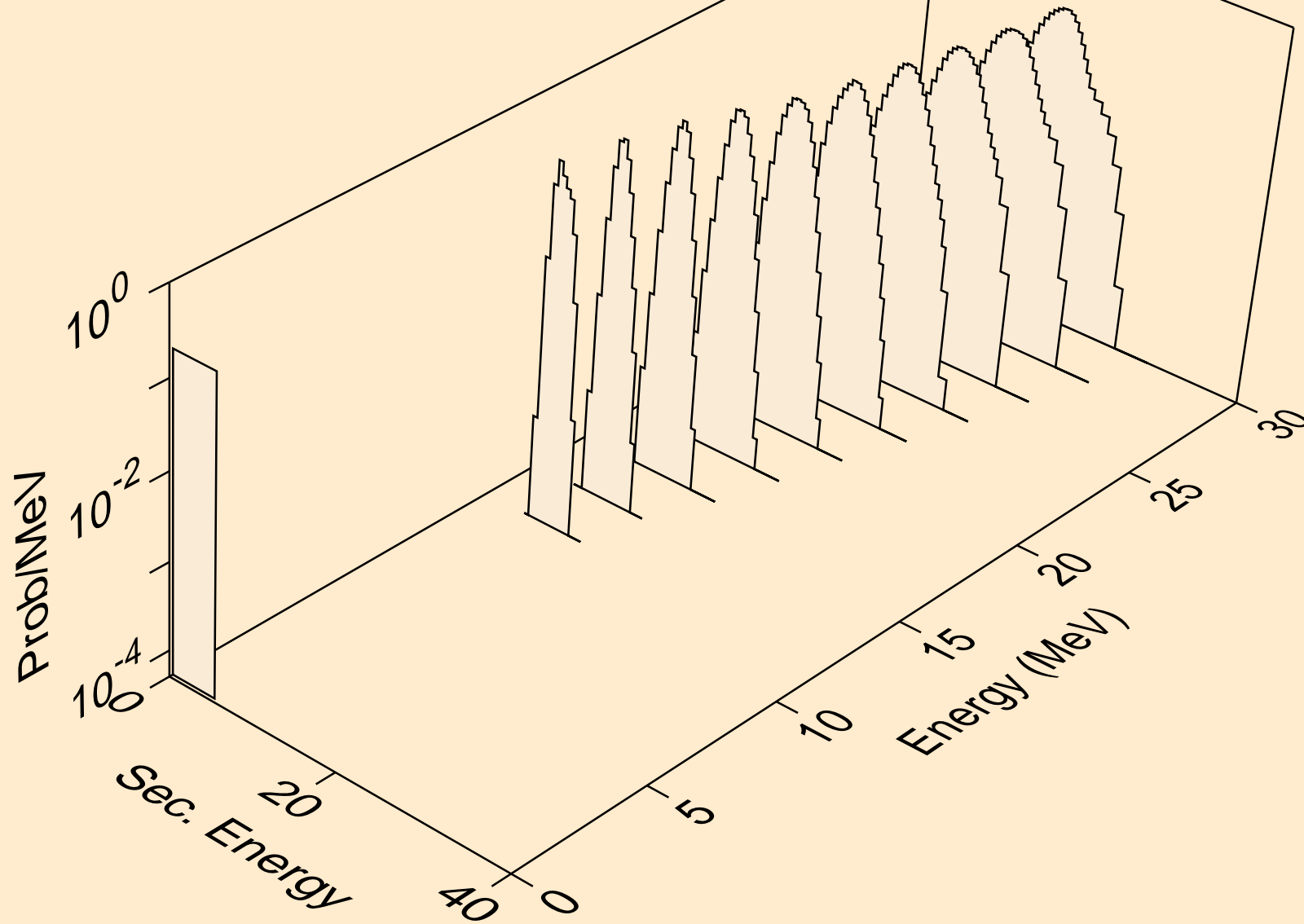
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,3n)a



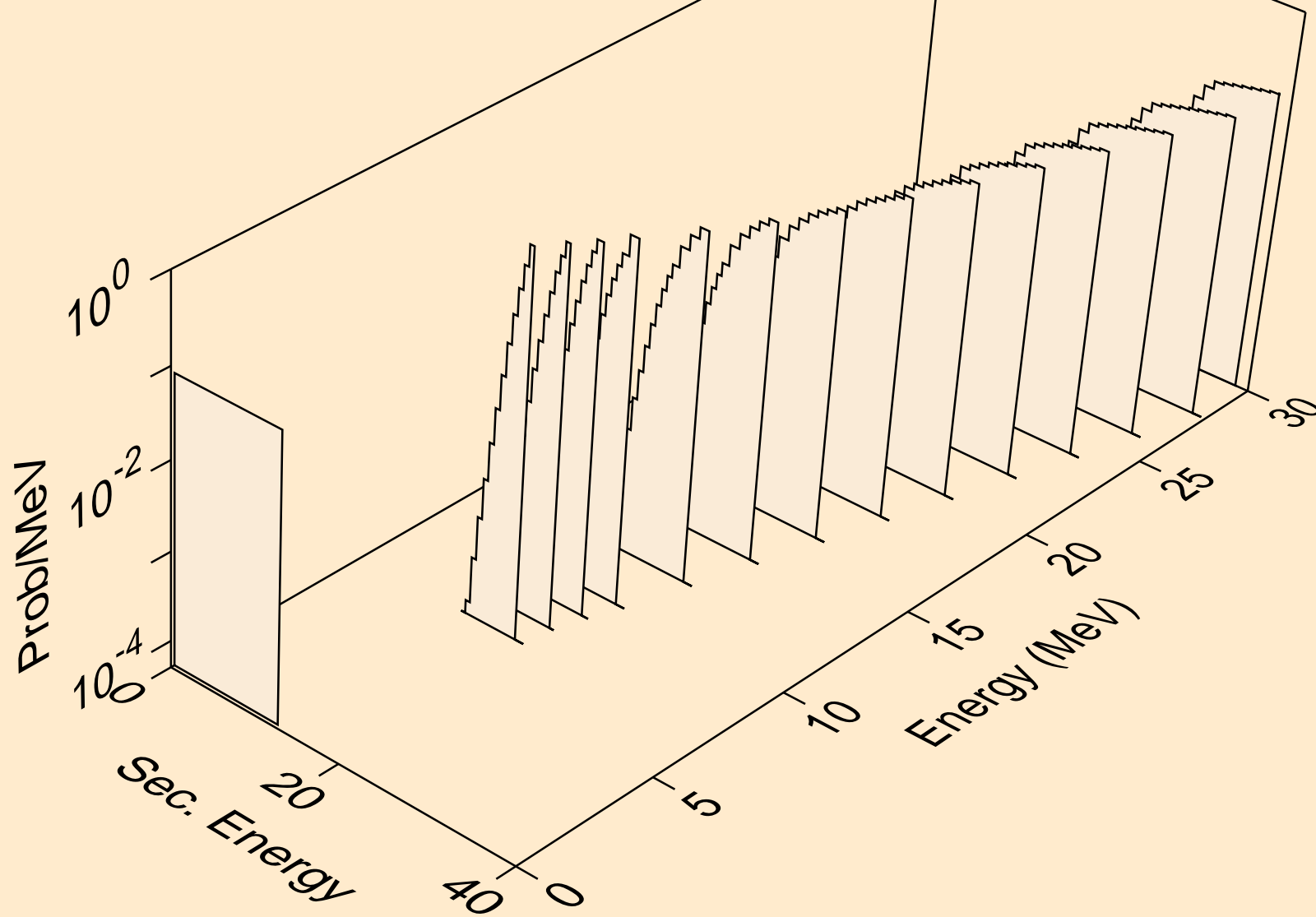
TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)2a



TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,npa)

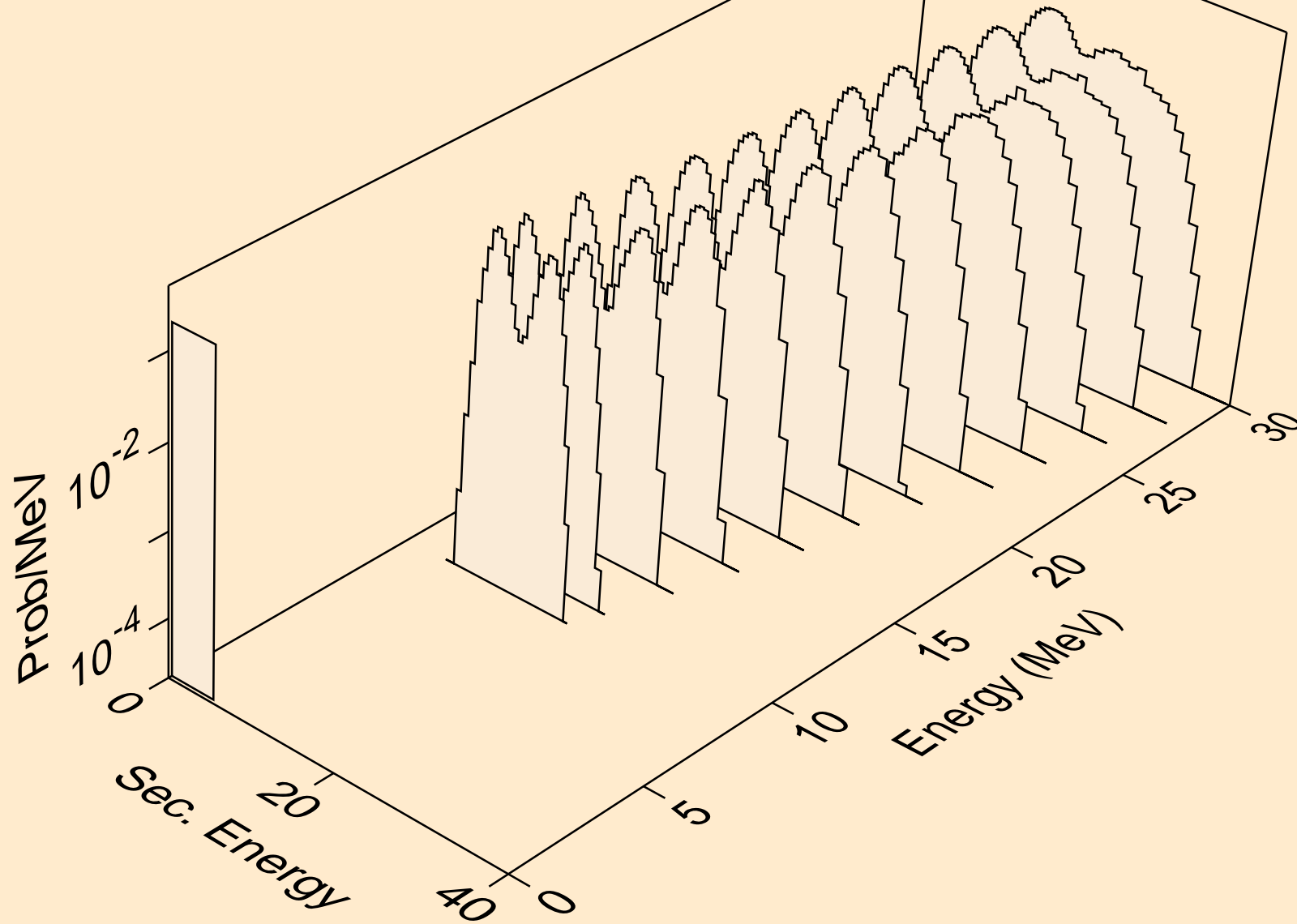


TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,a)

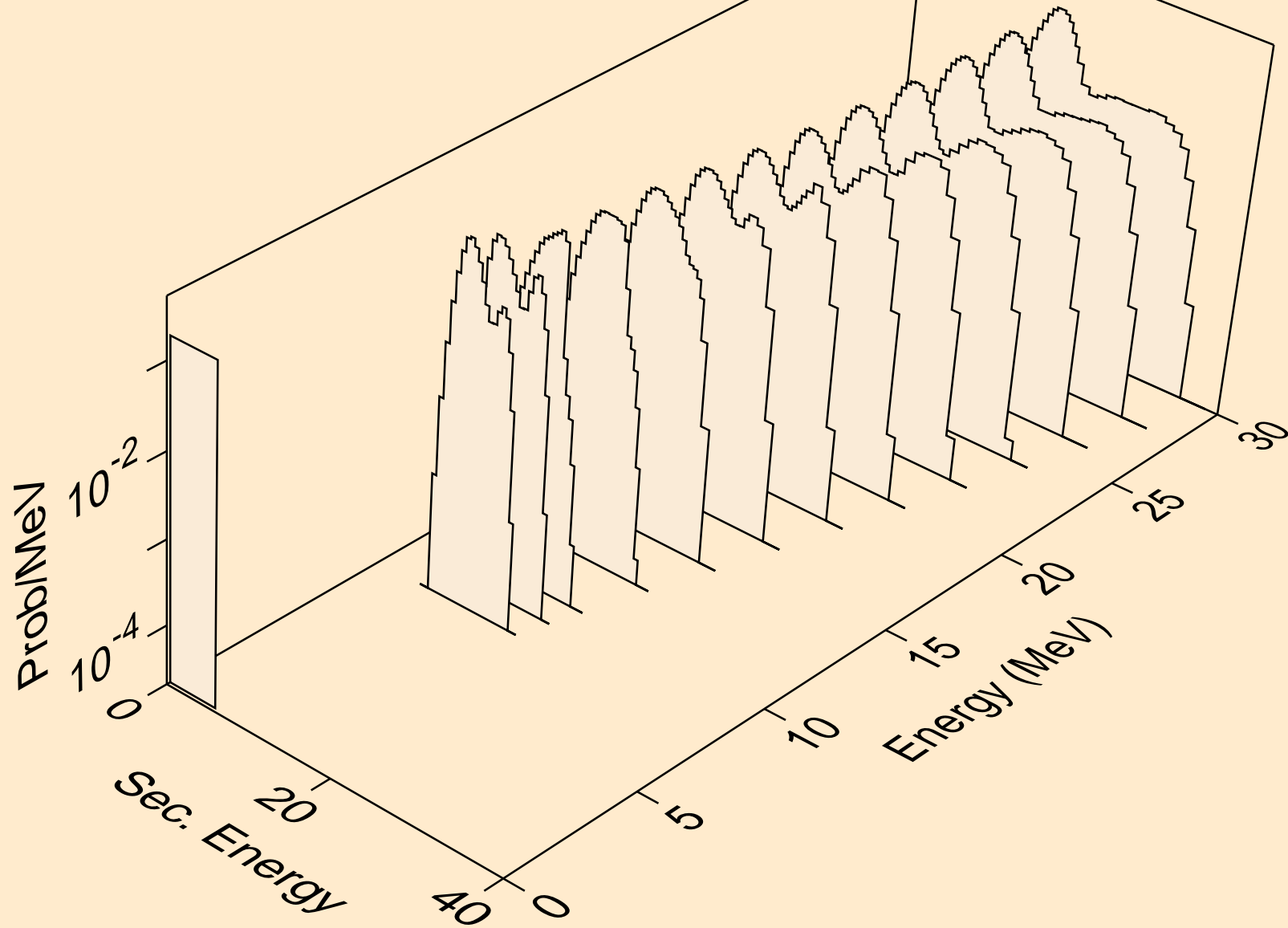




TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2a)



TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



TA172 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

