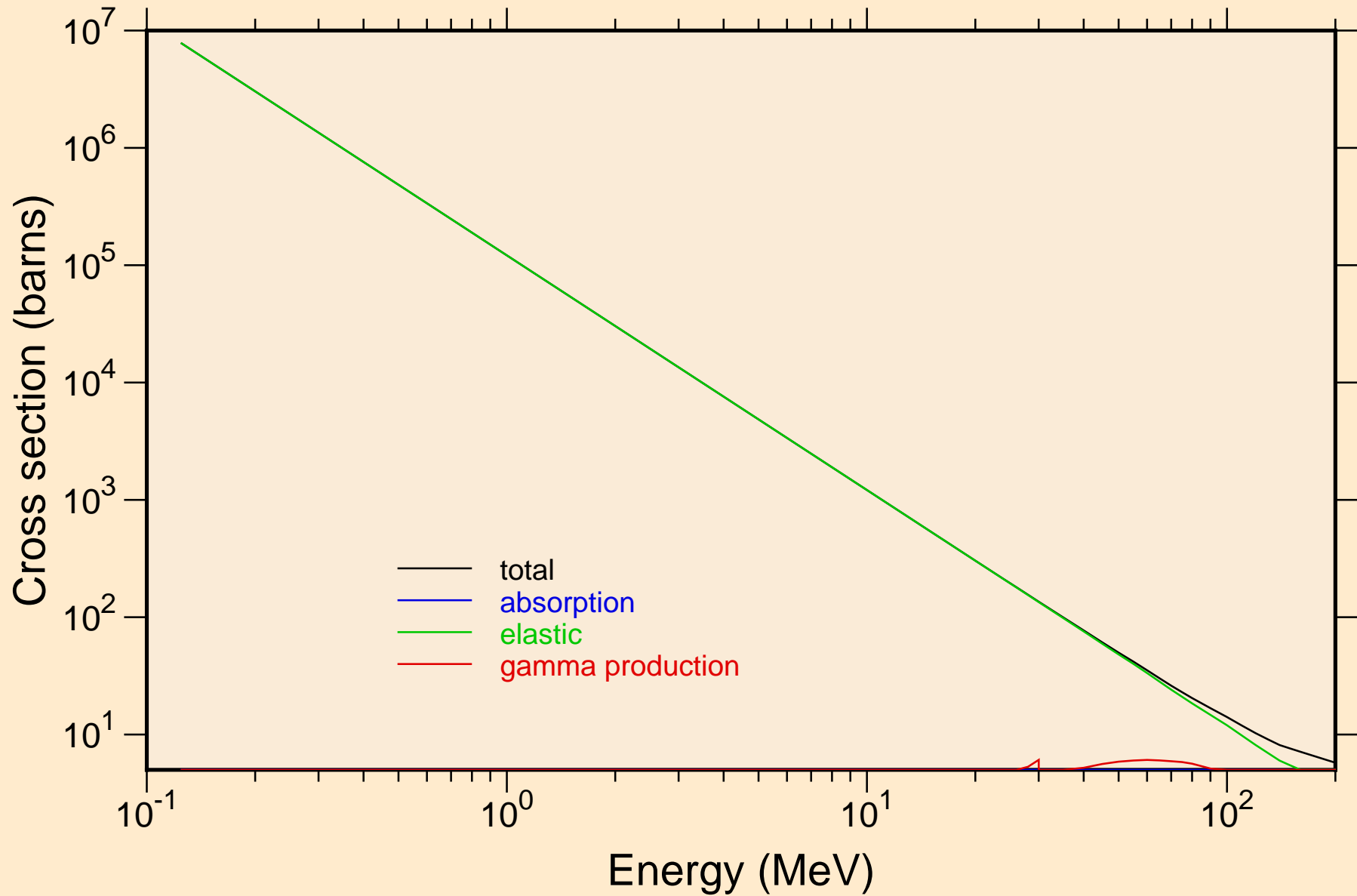


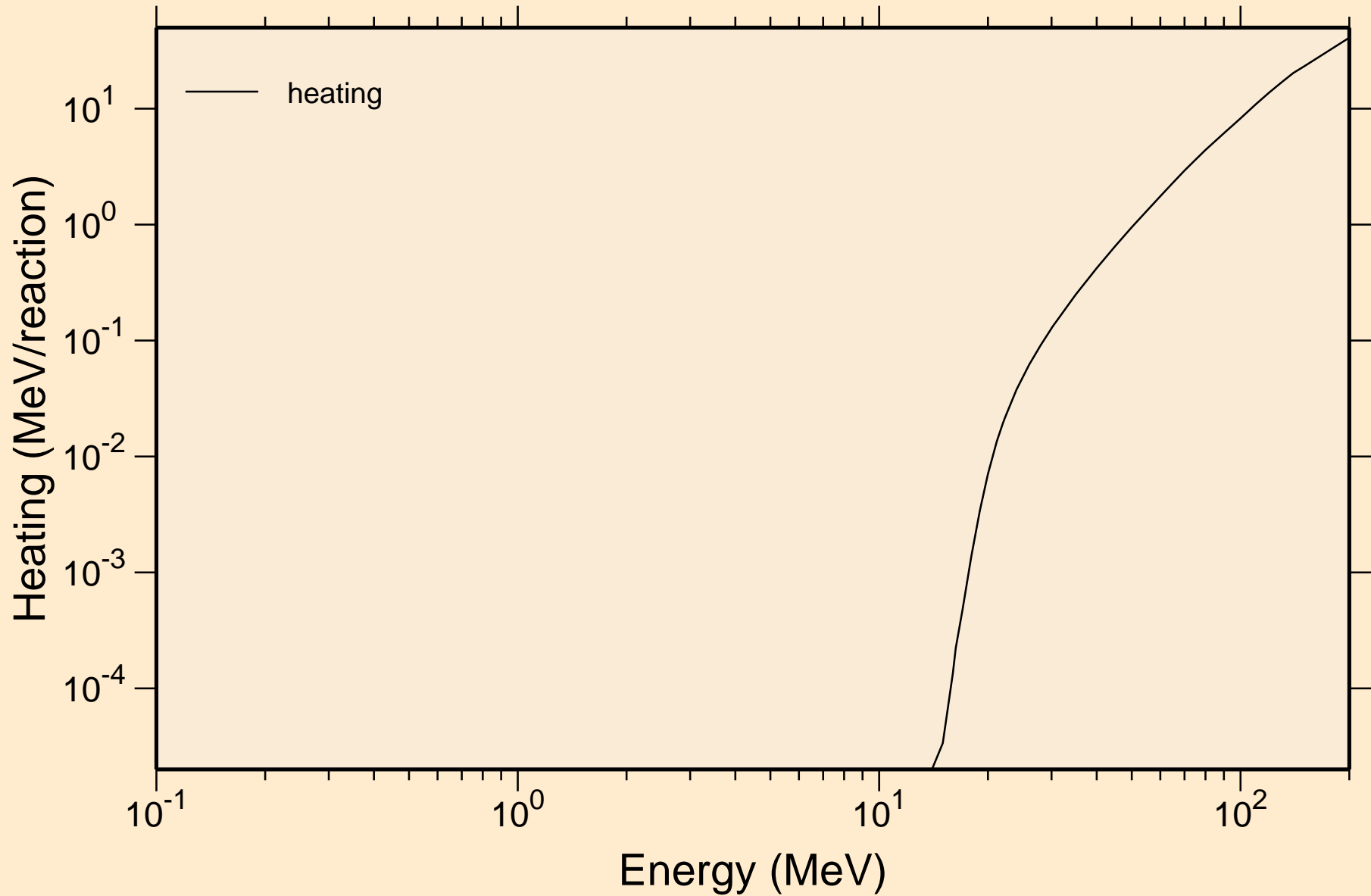
# TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



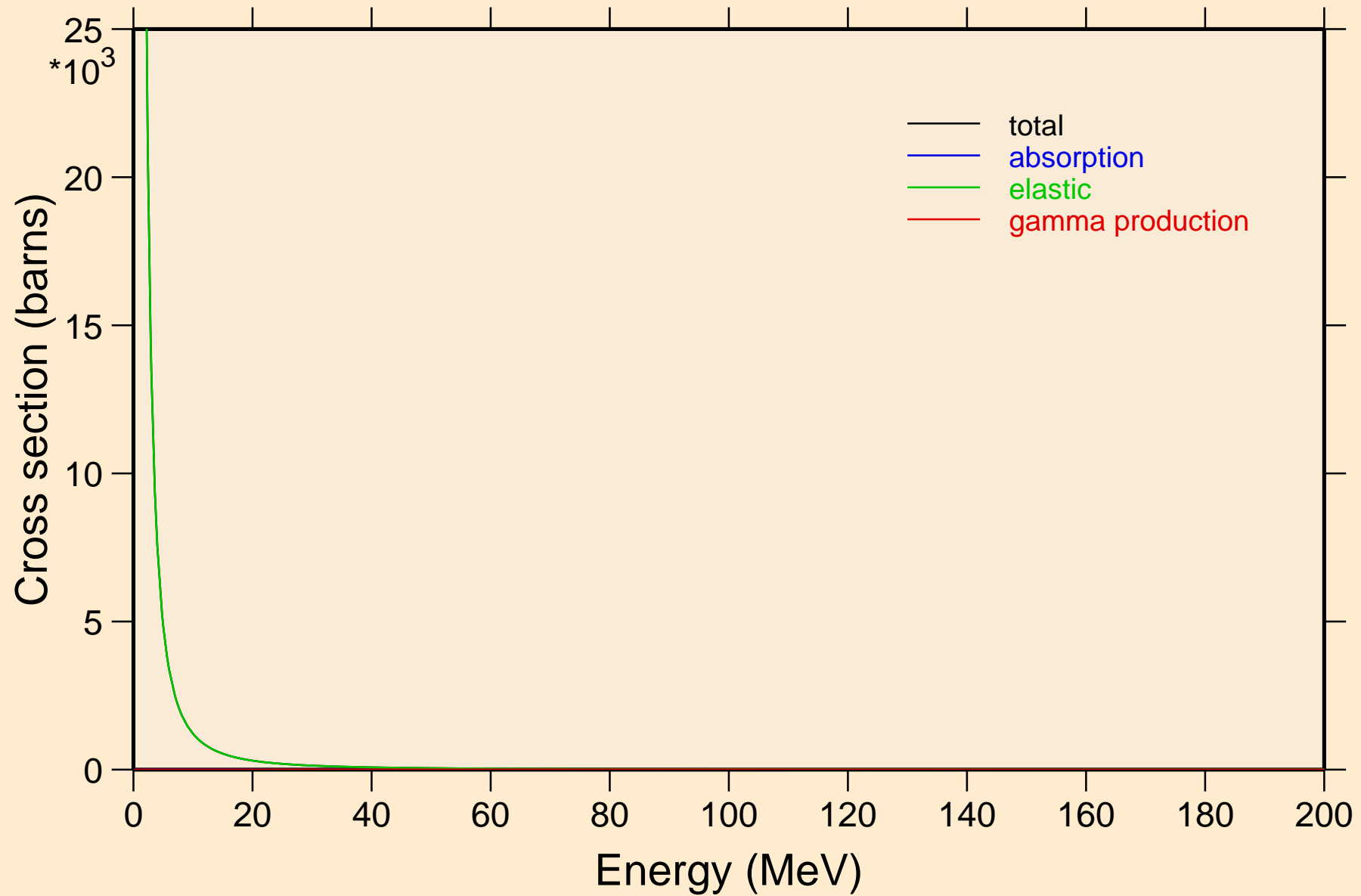
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K

Heating



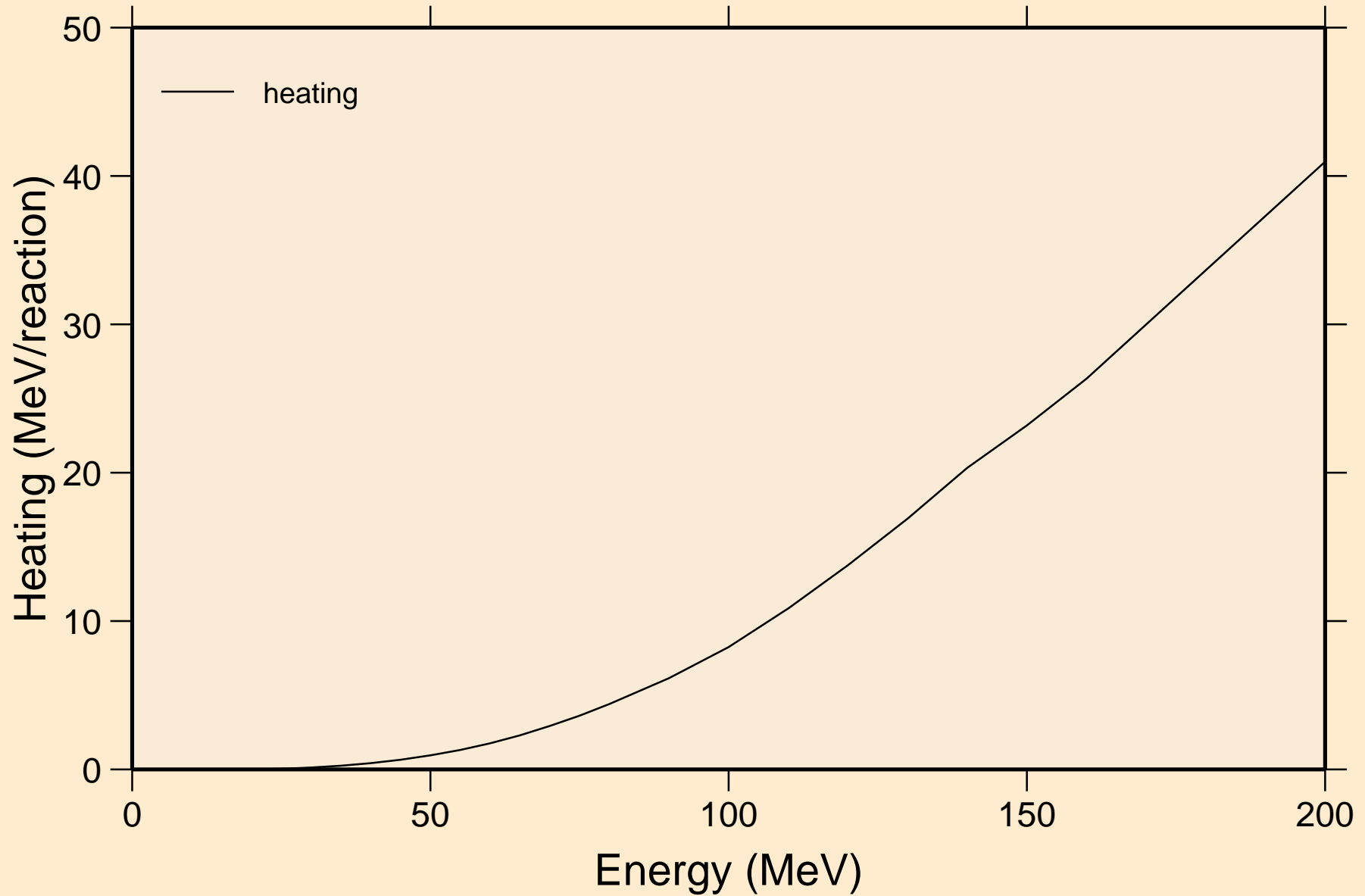
# TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



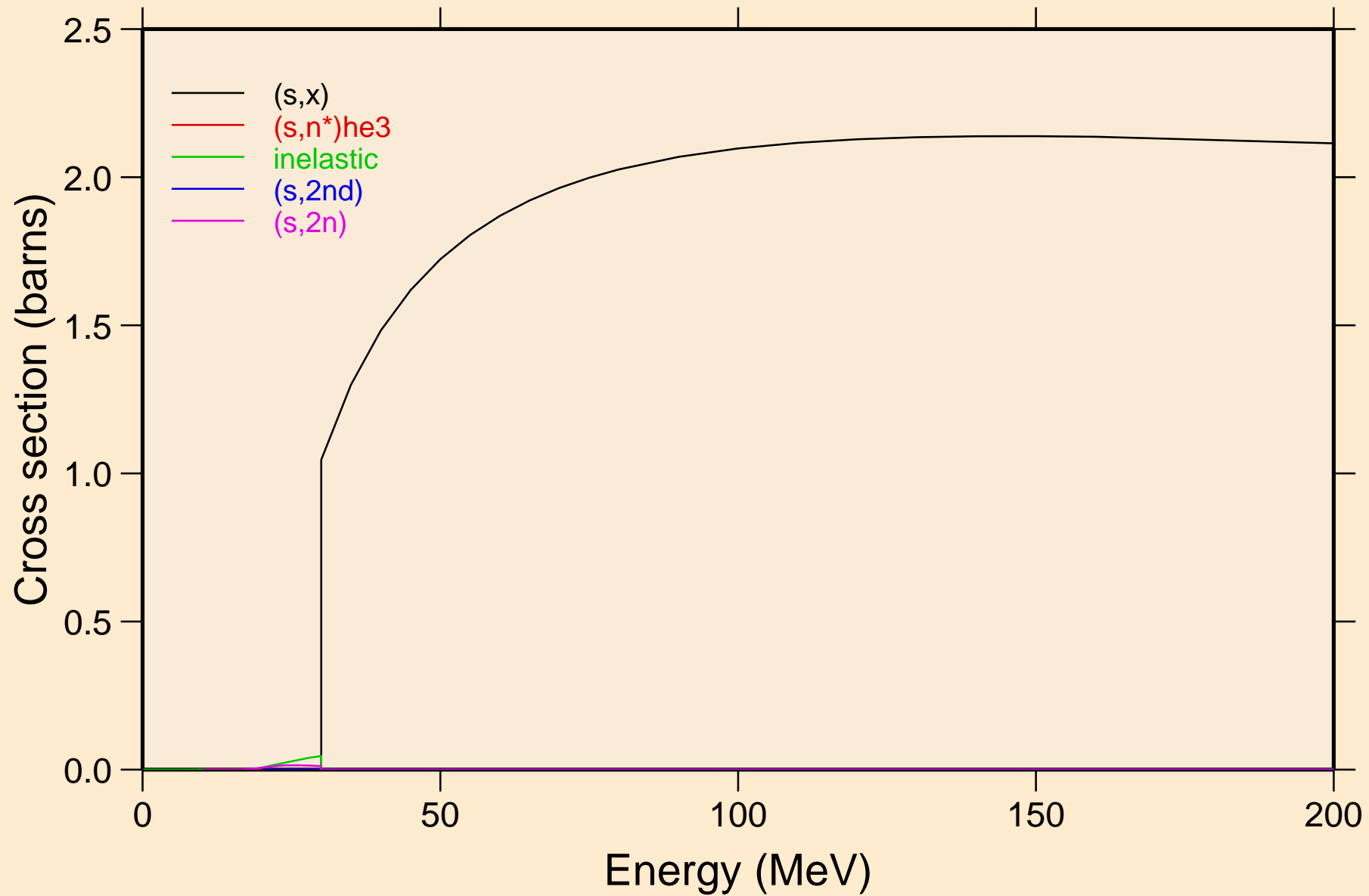
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K

Heating

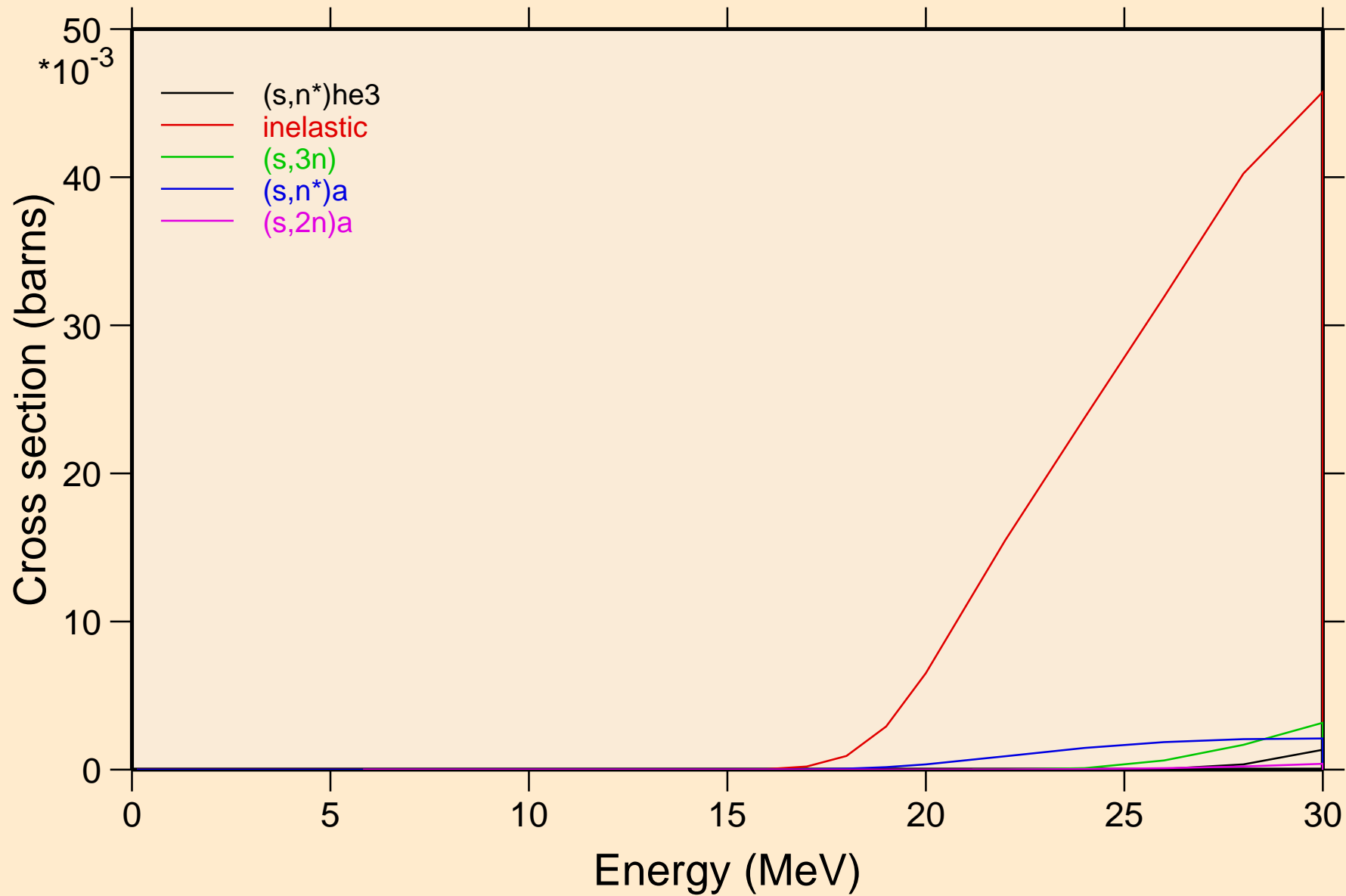


# TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K

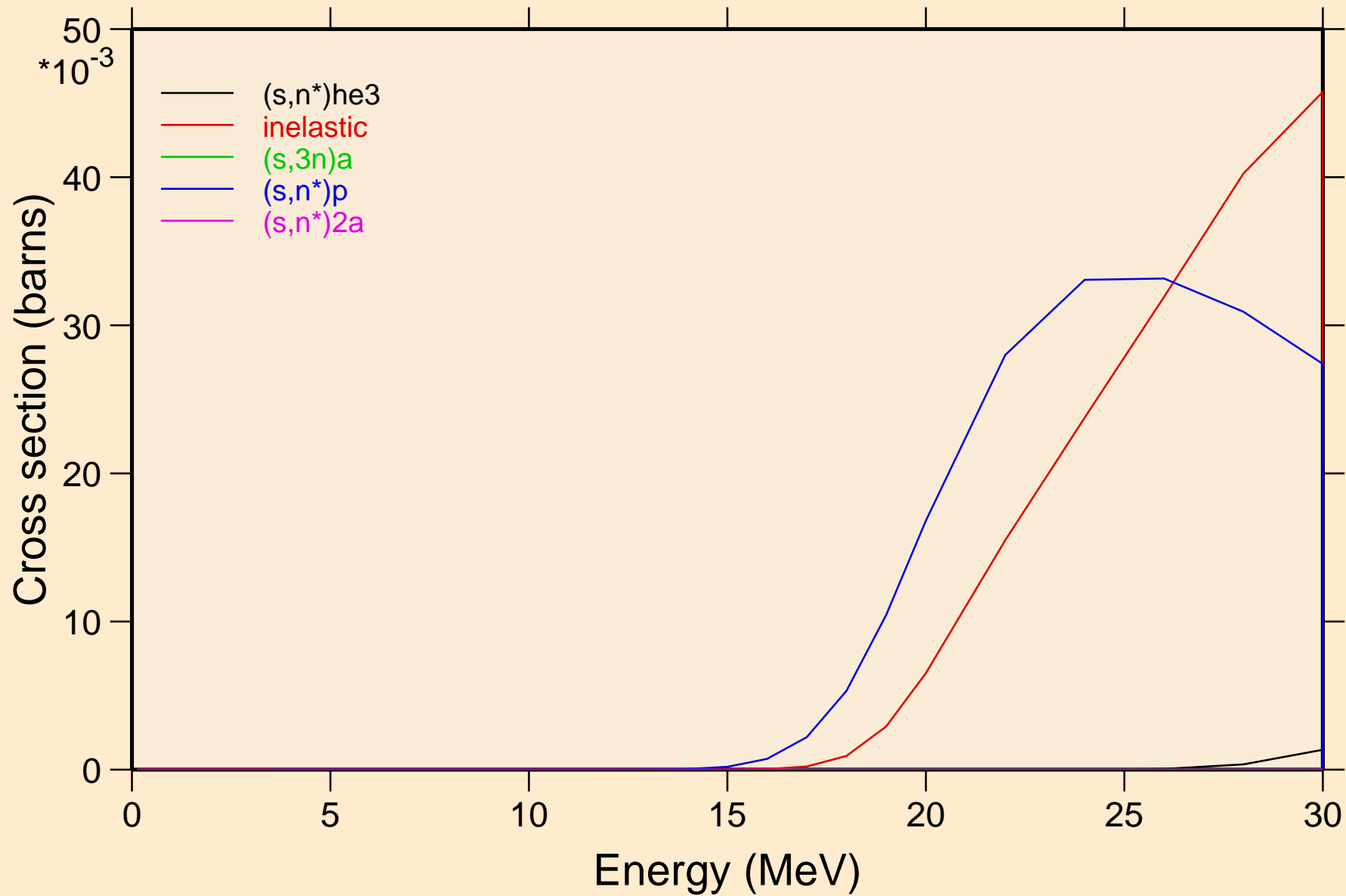
## Threshold reactions



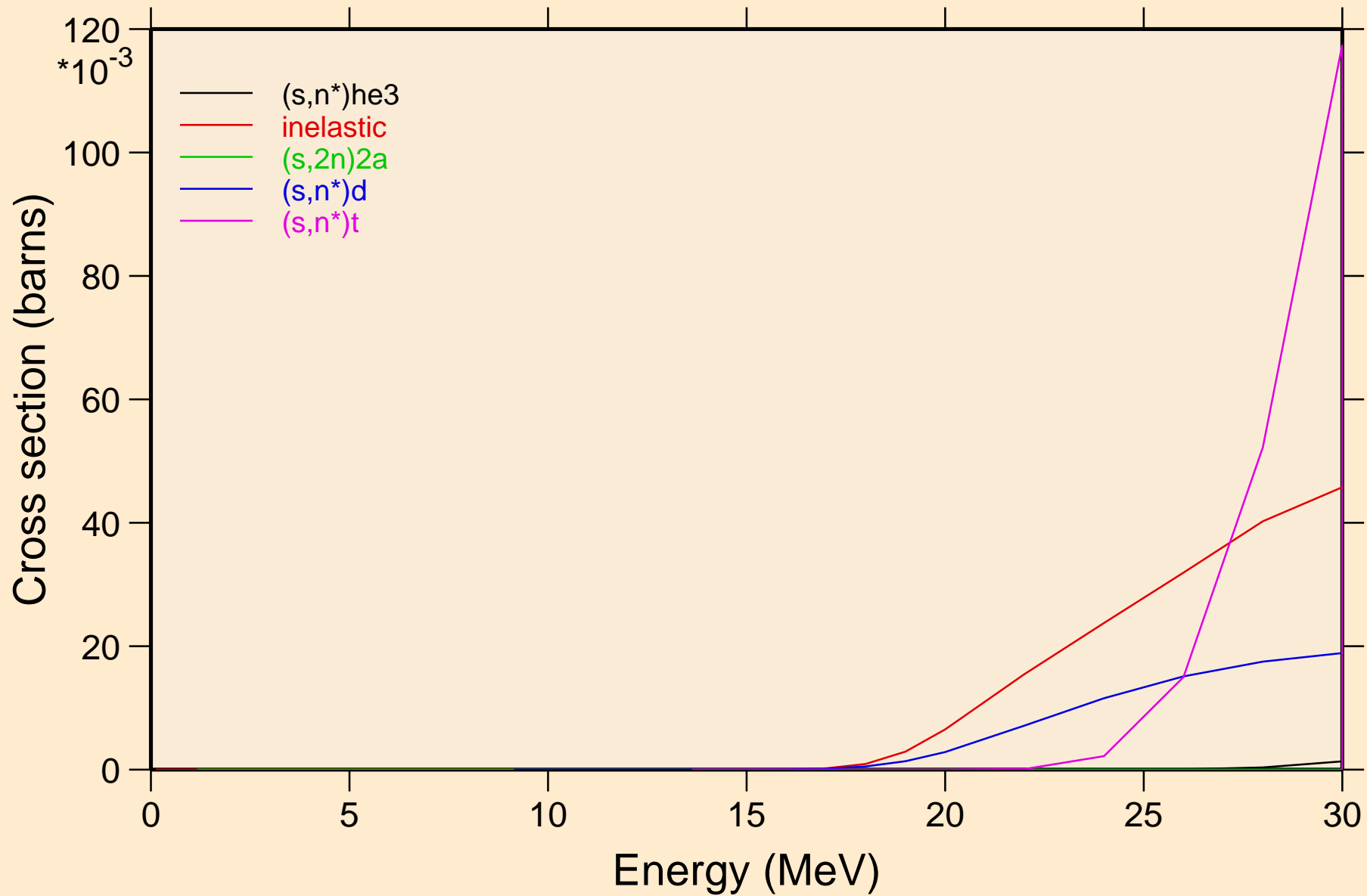
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

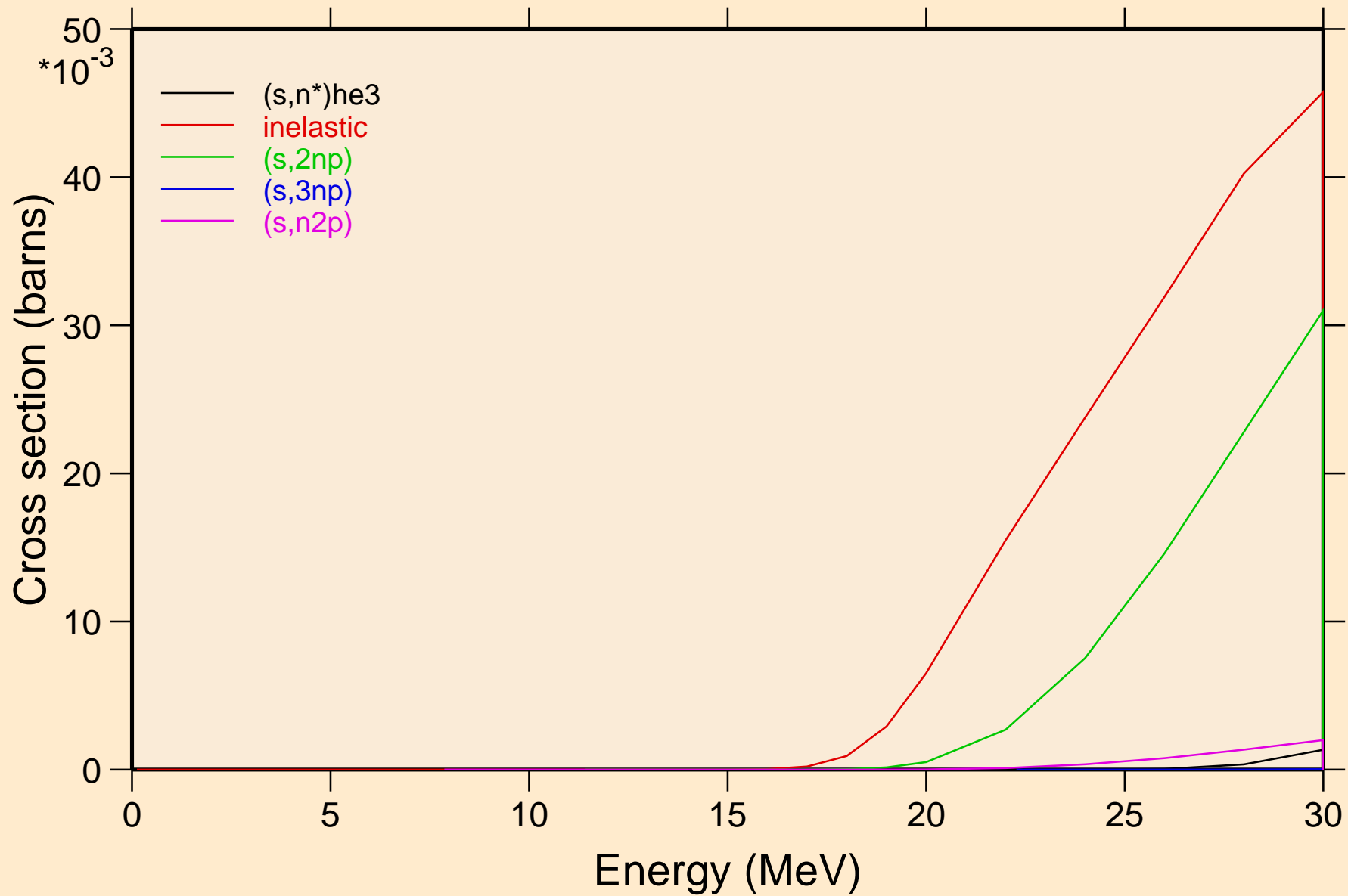


TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

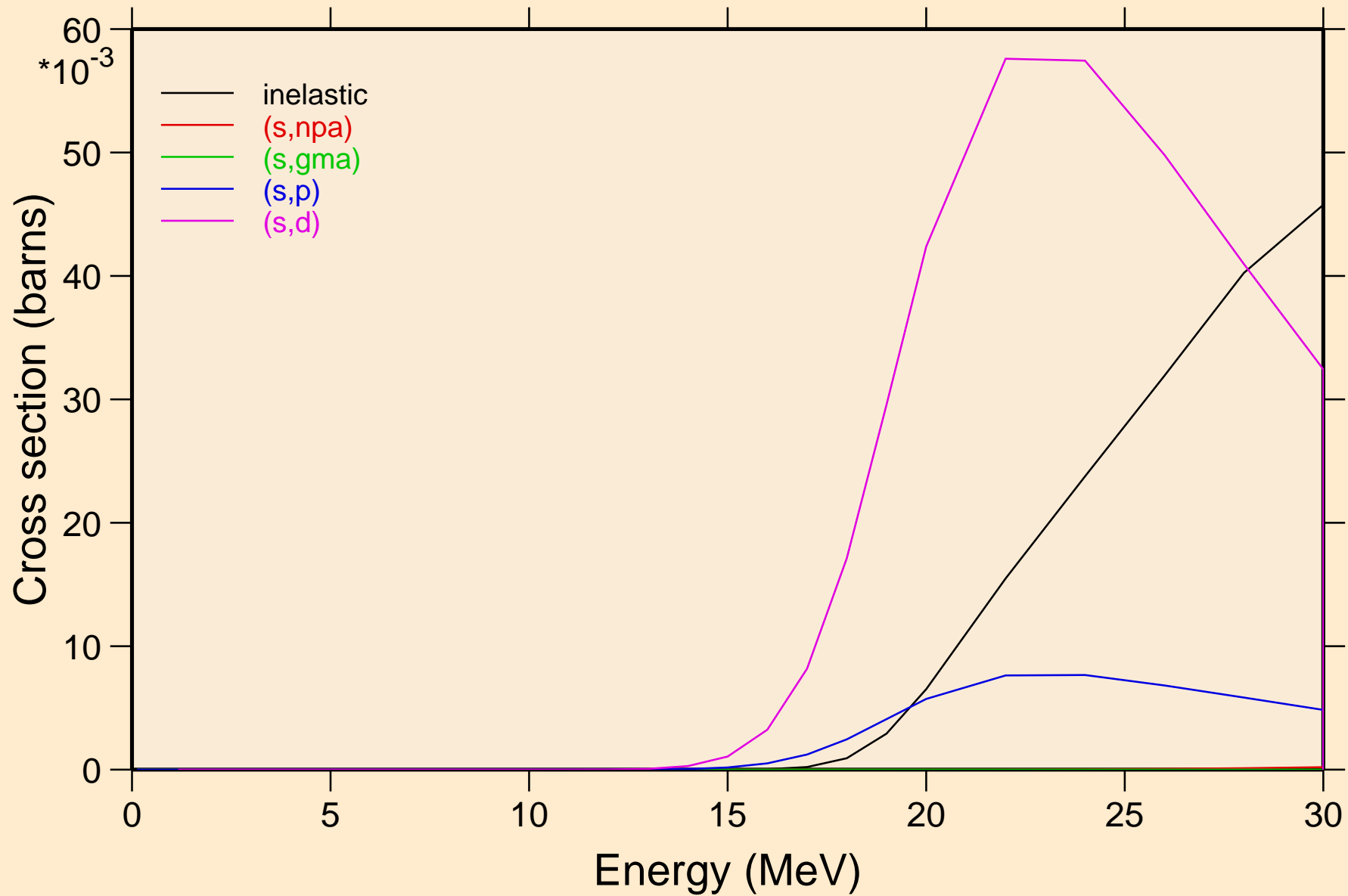




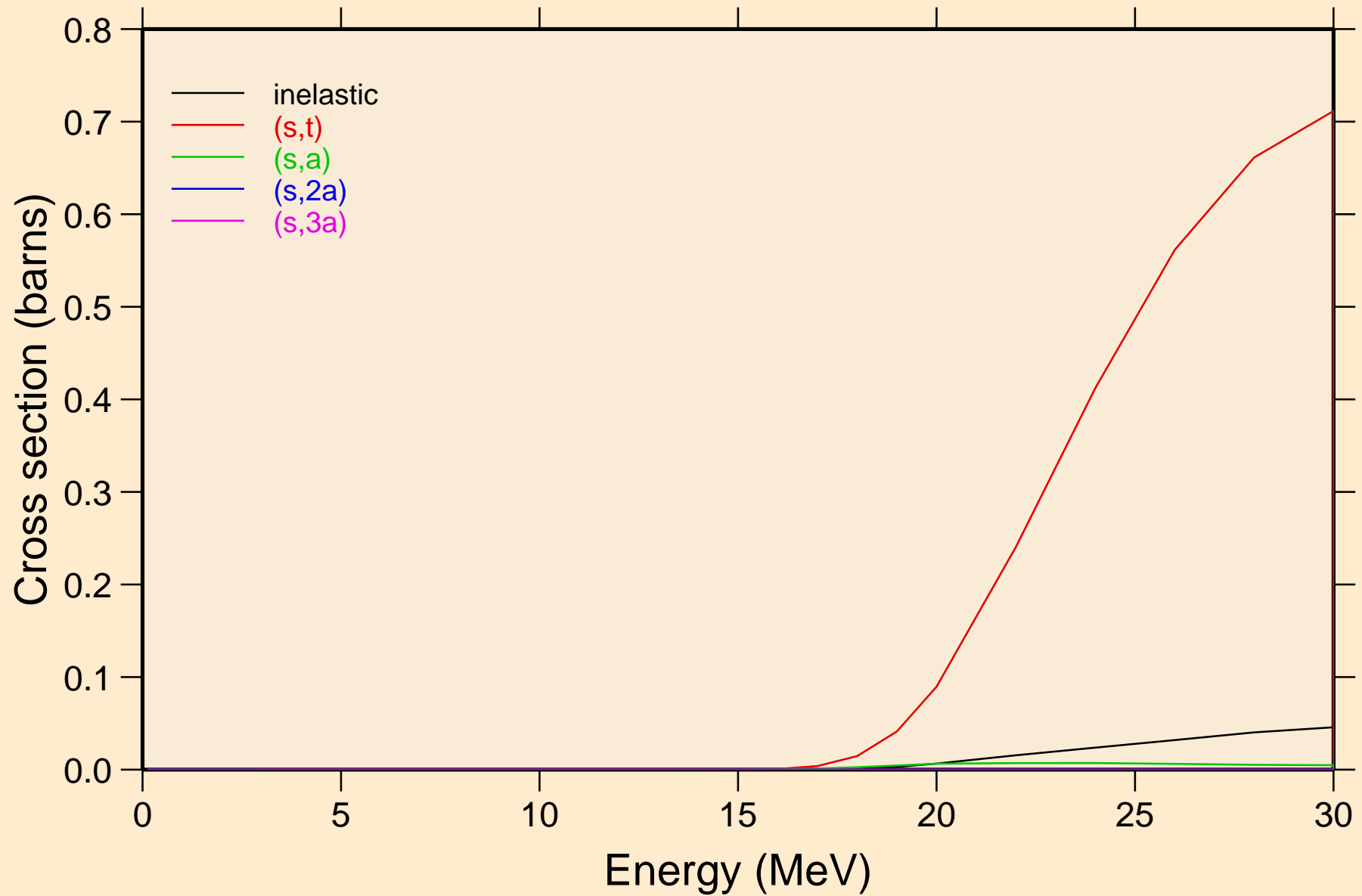
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

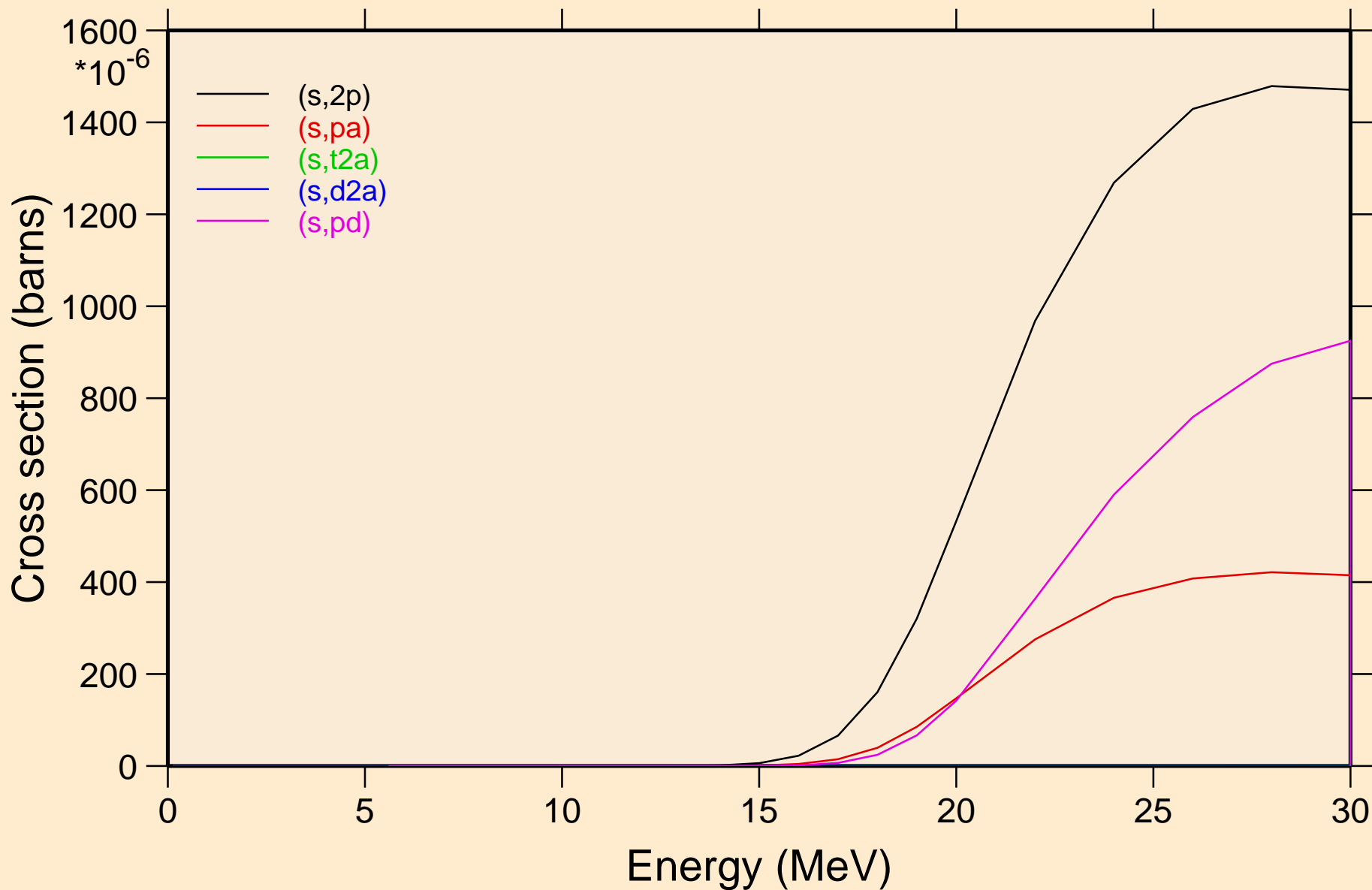


TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

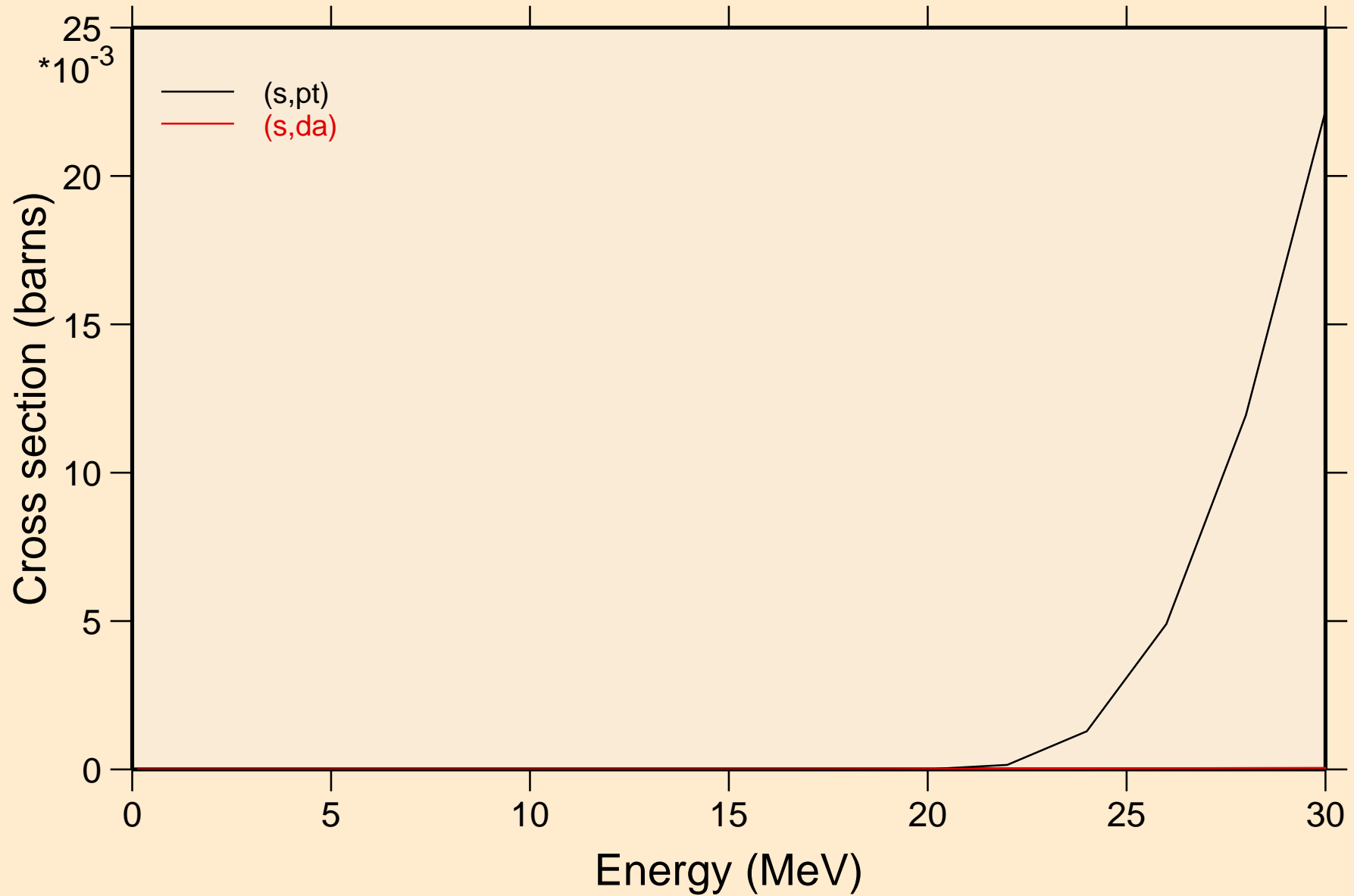


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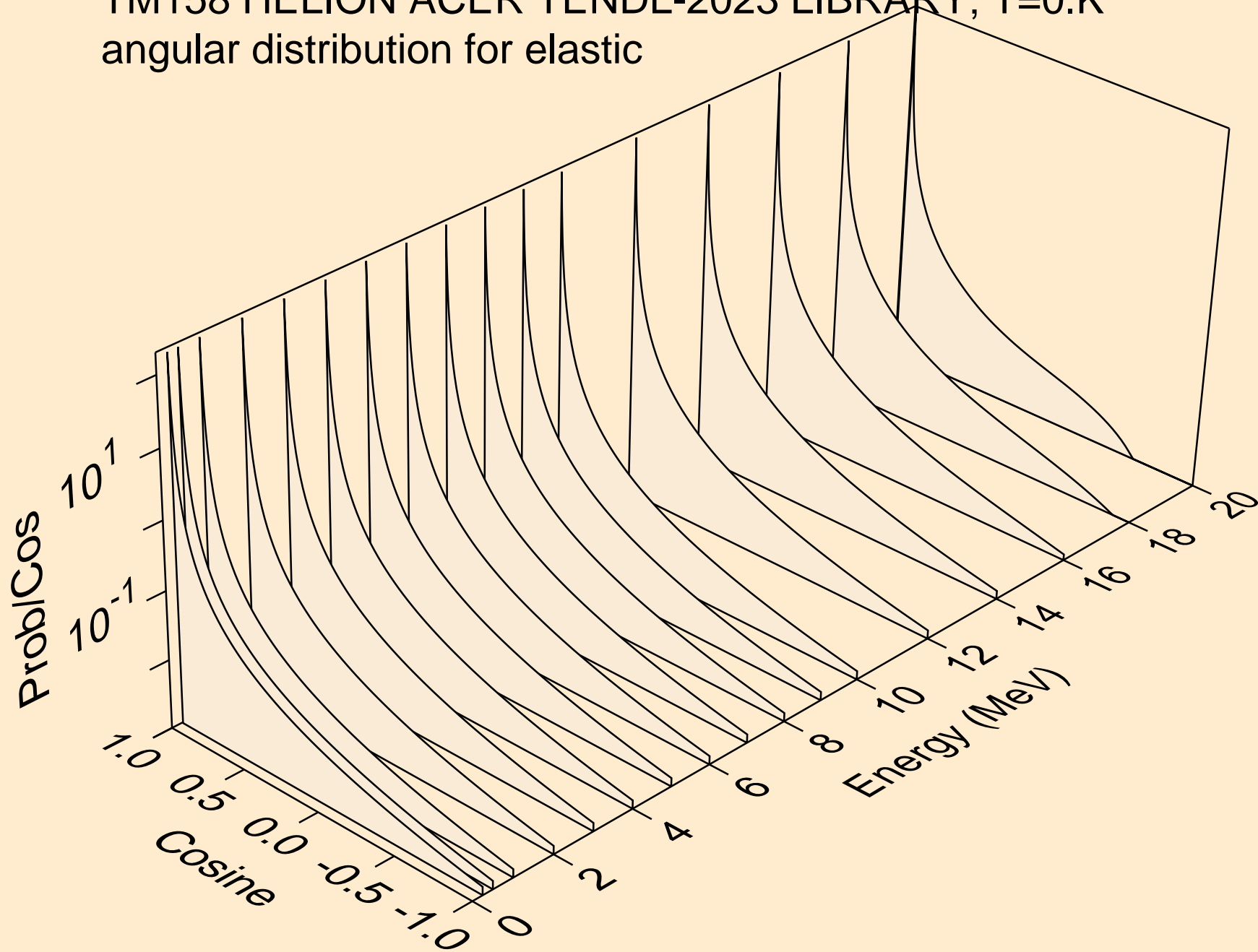
## Threshold reactions



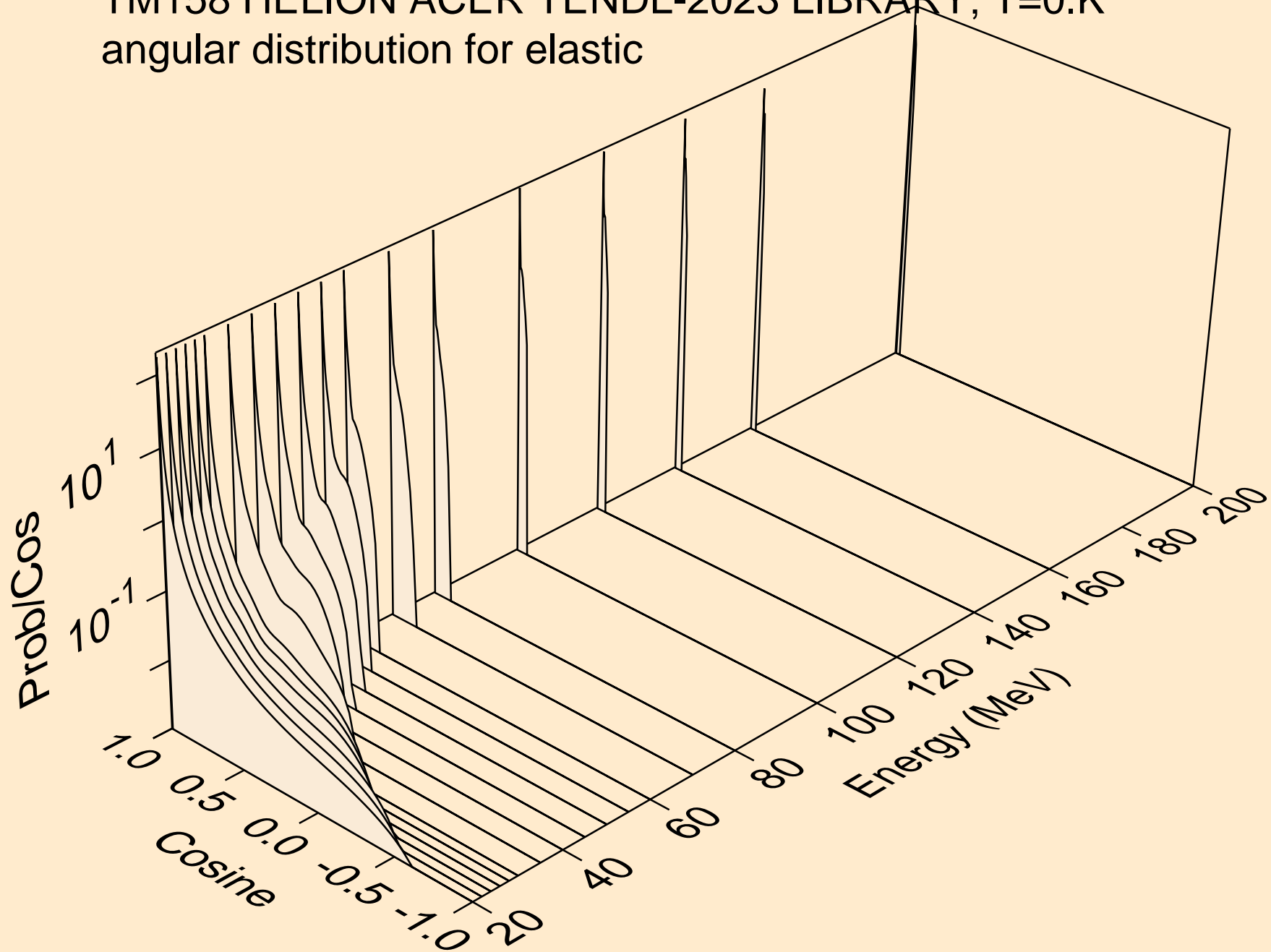
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



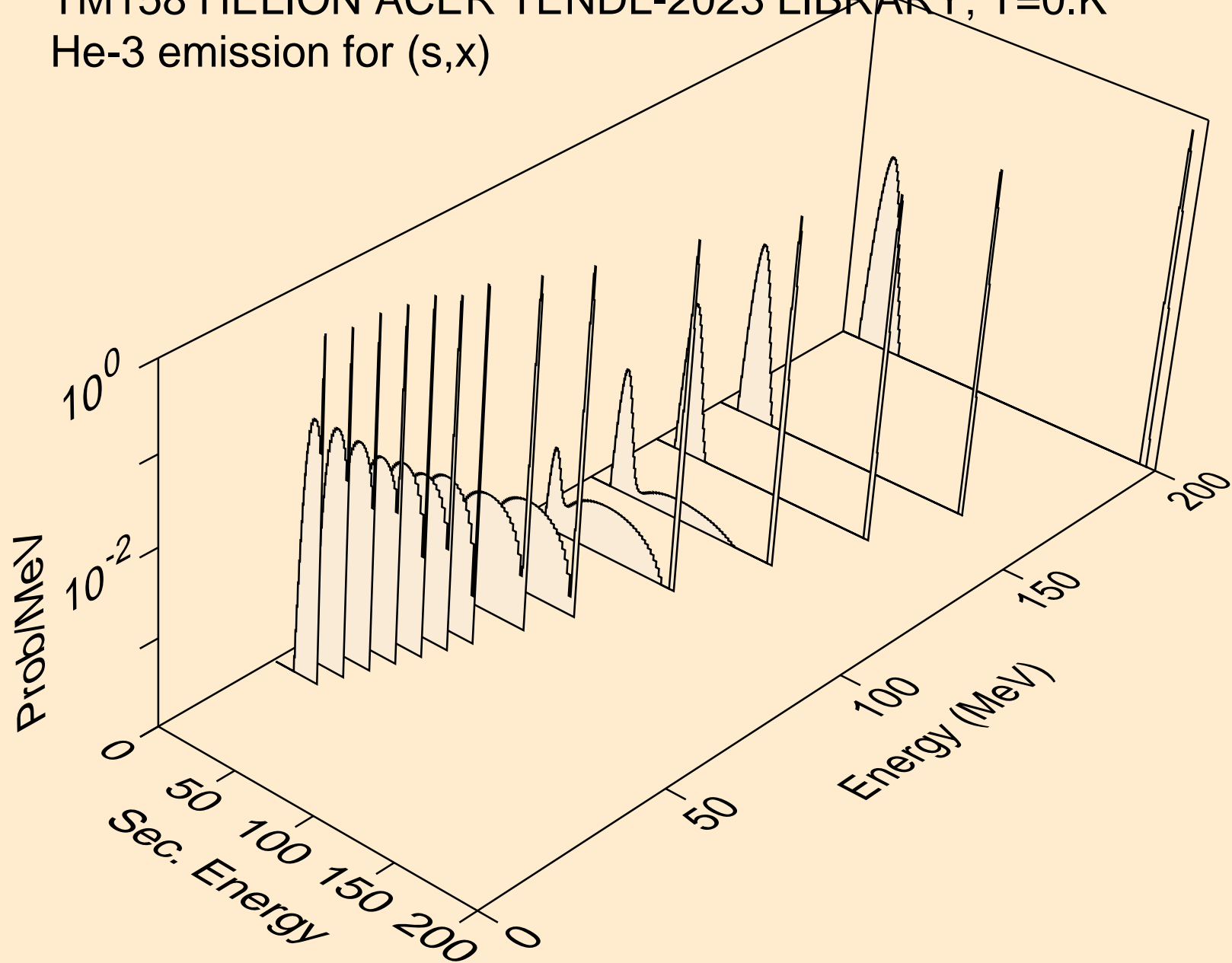
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

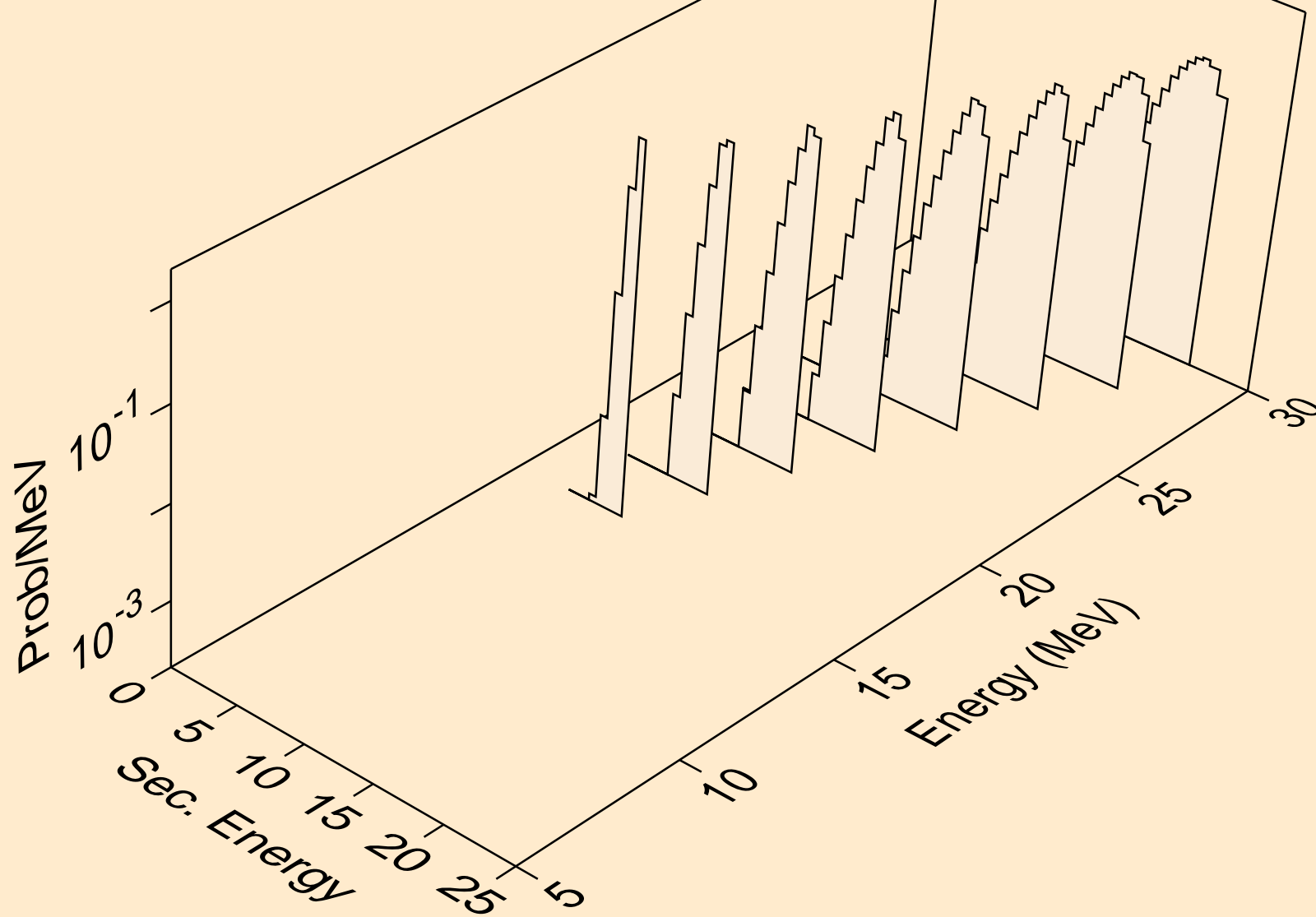


TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)

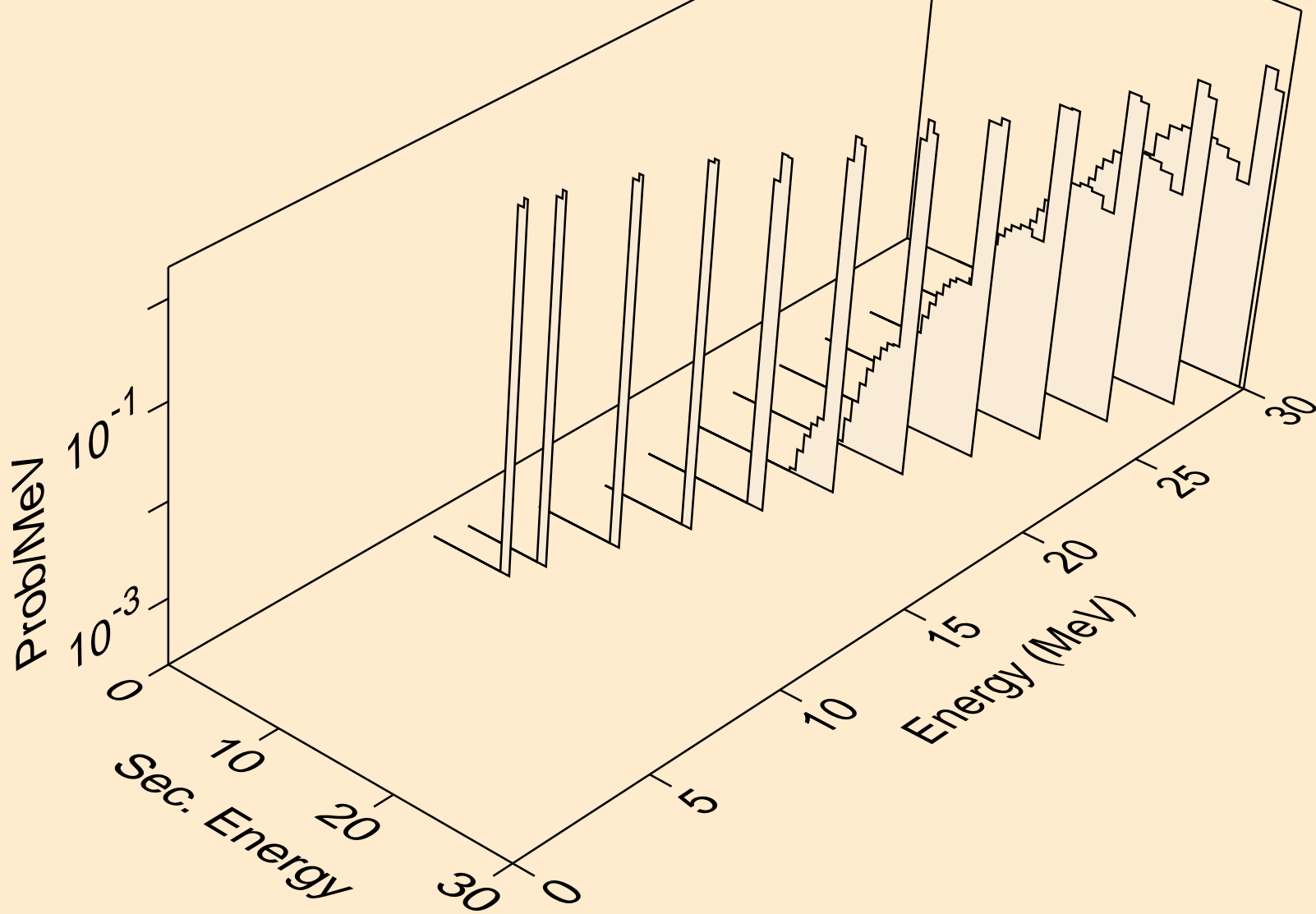




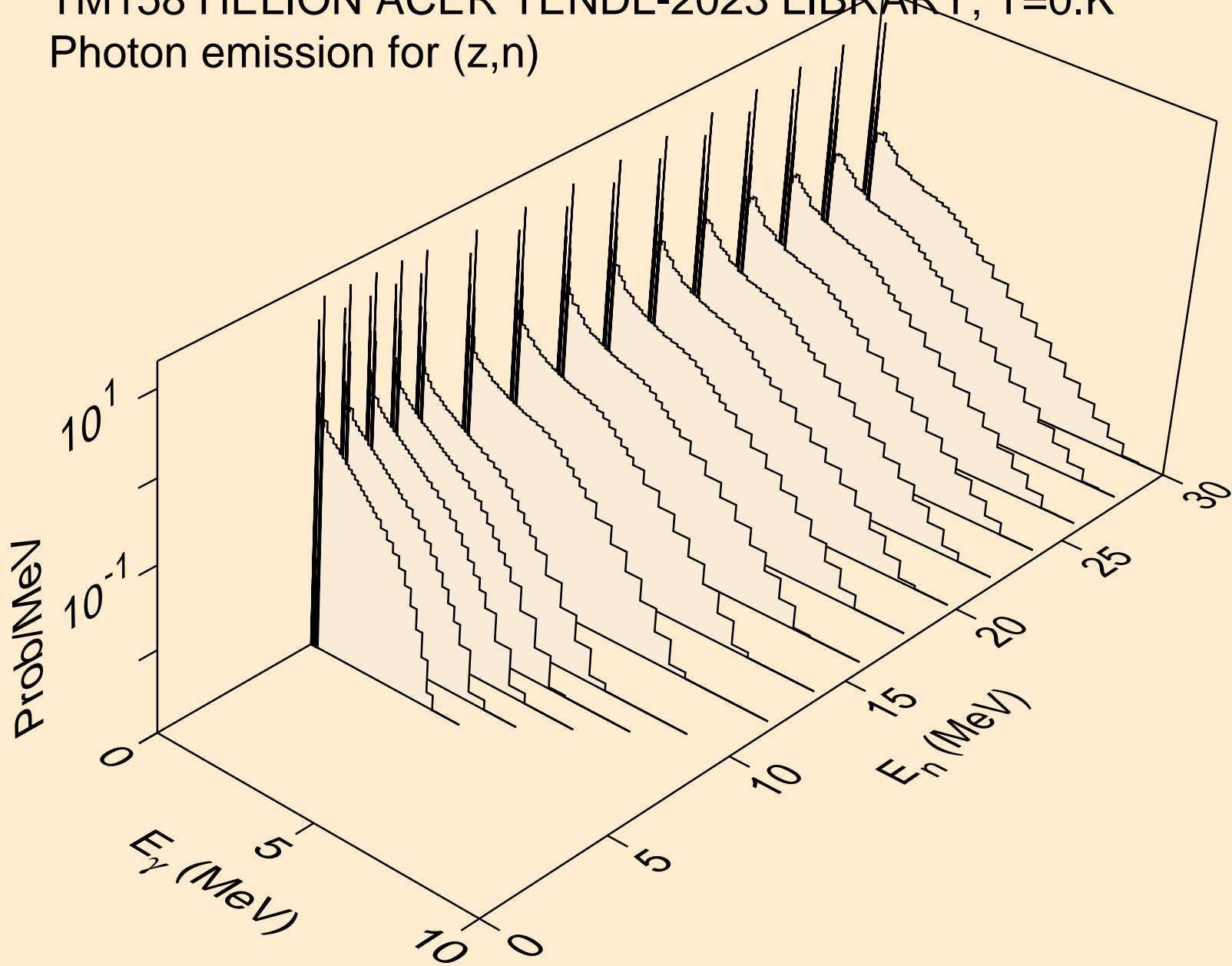
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3



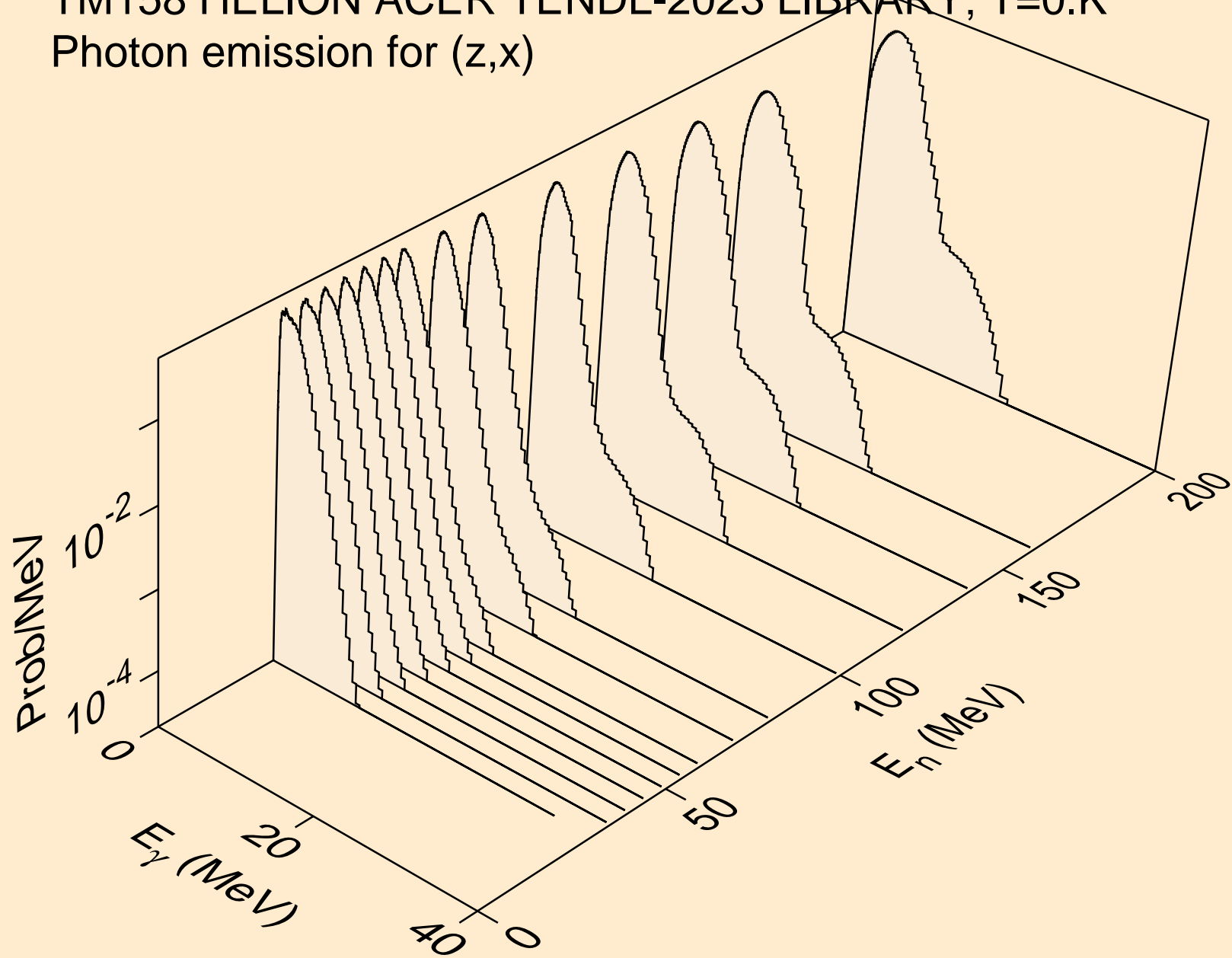
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic



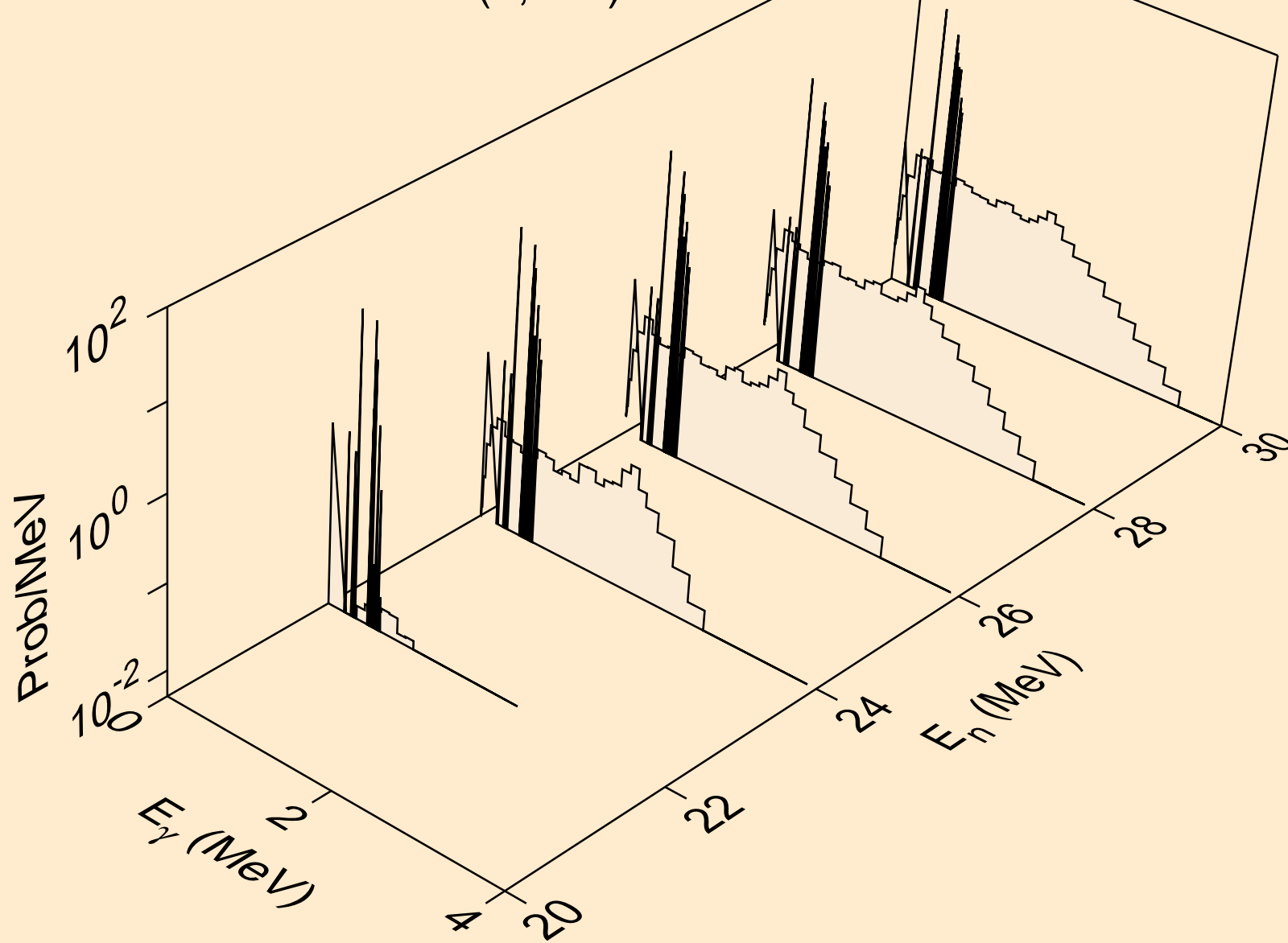
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



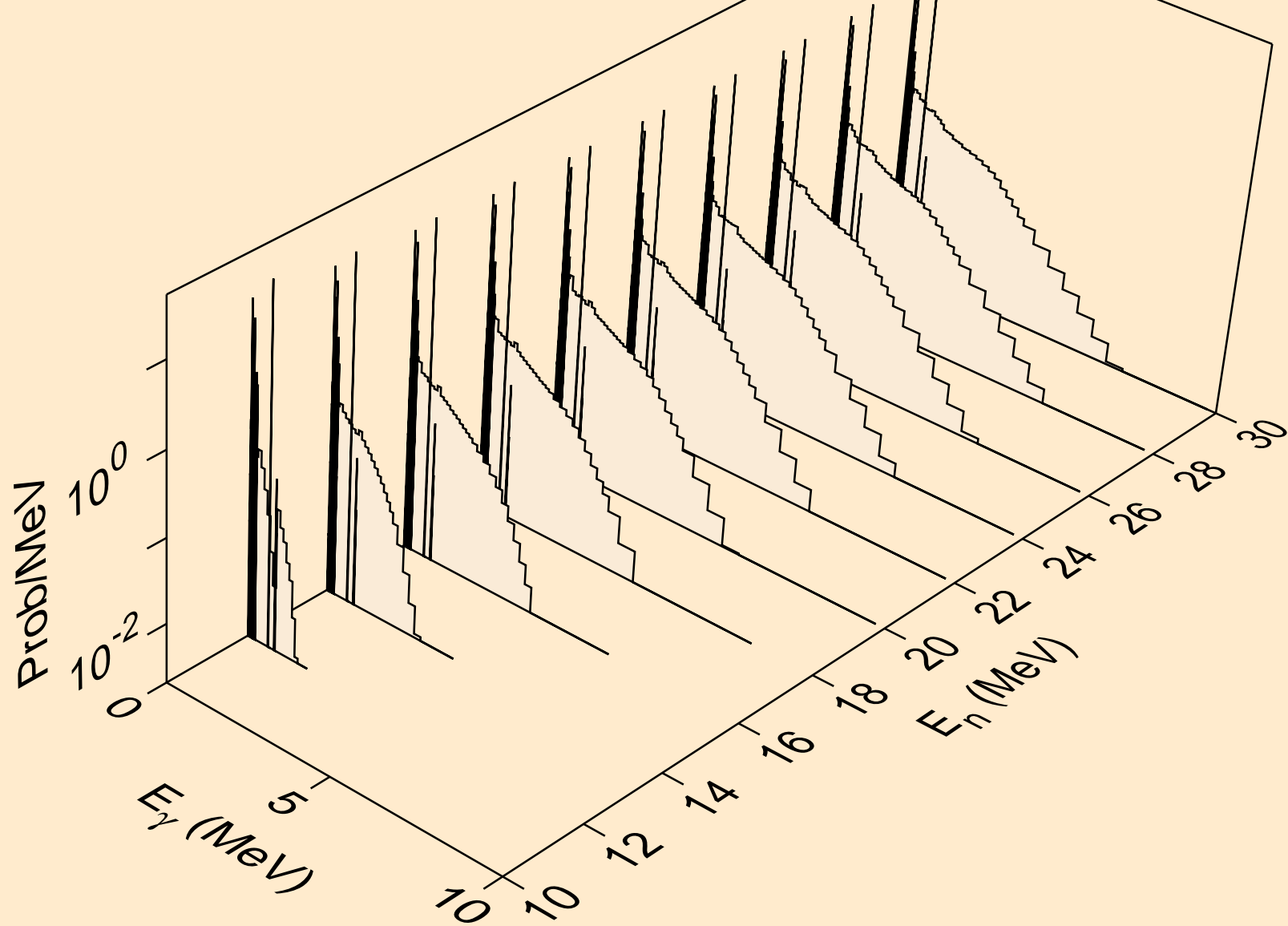
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



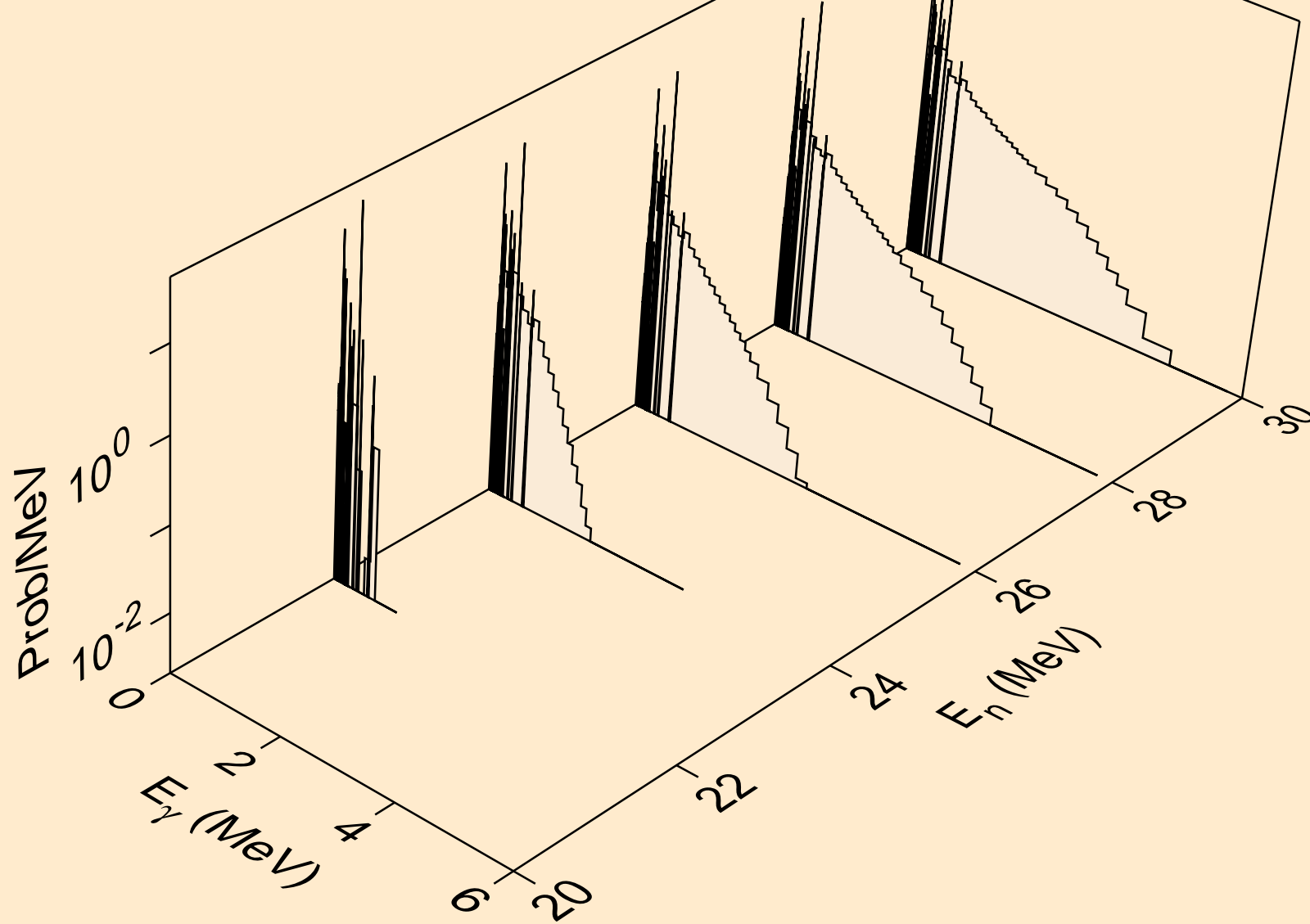
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



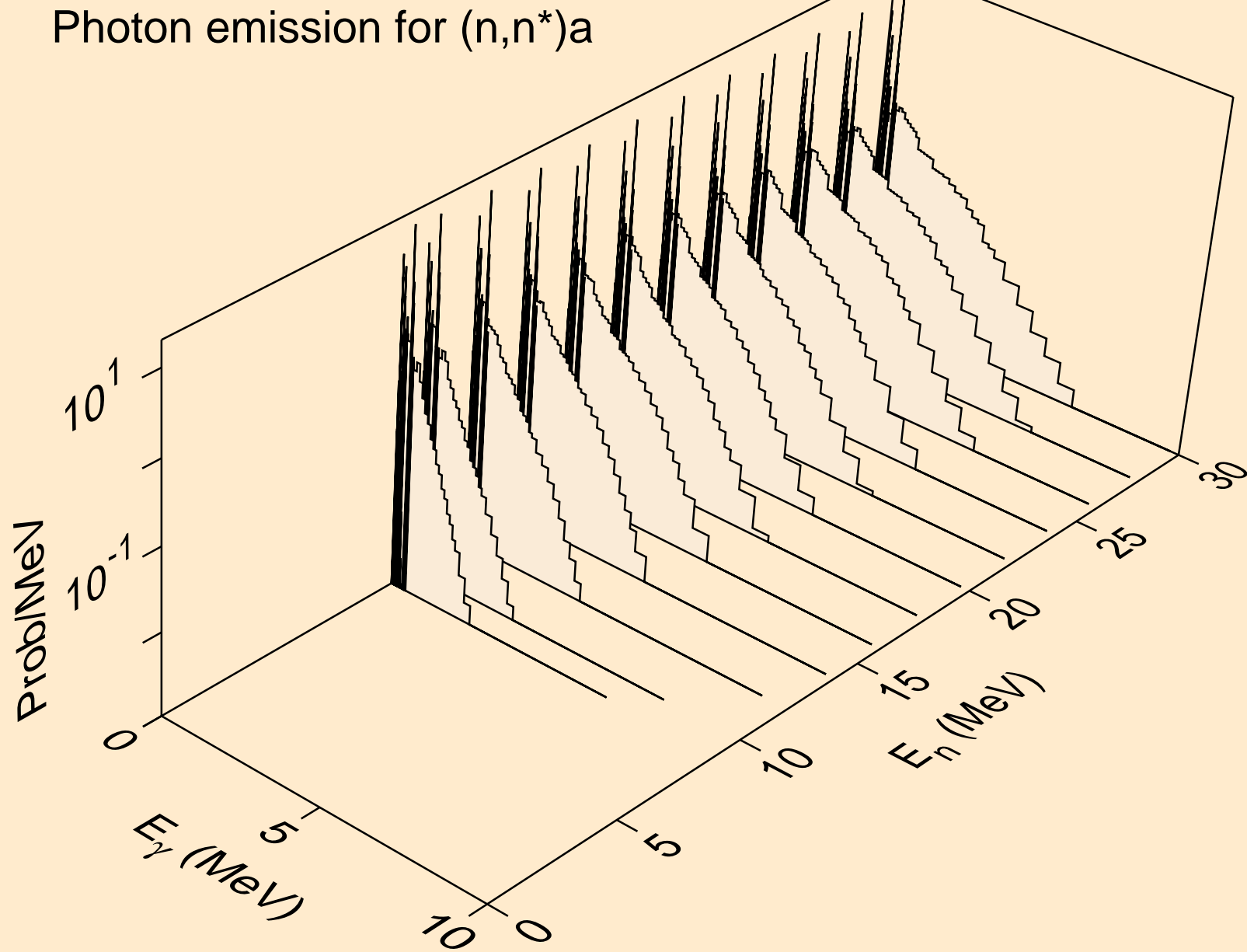
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)

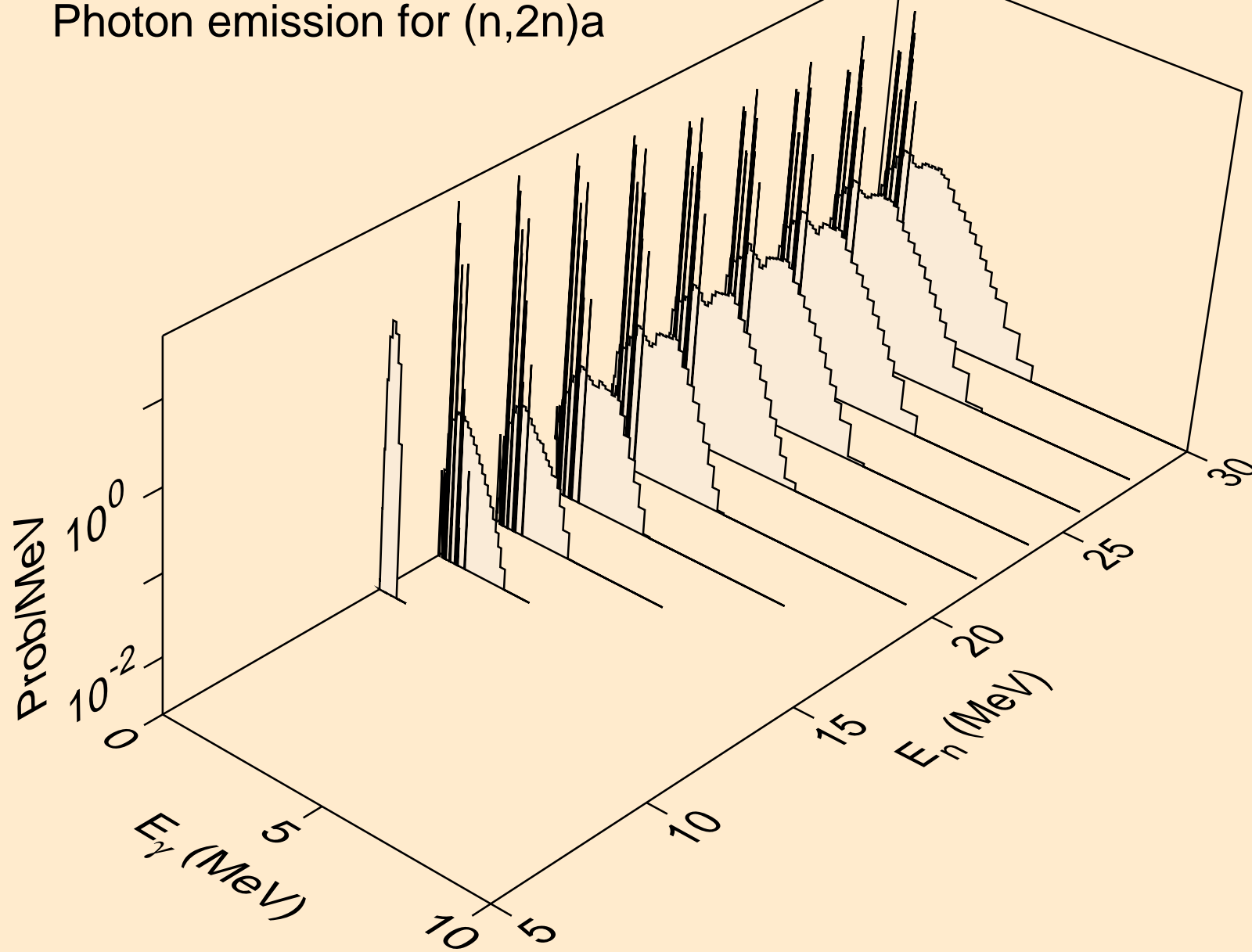


TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

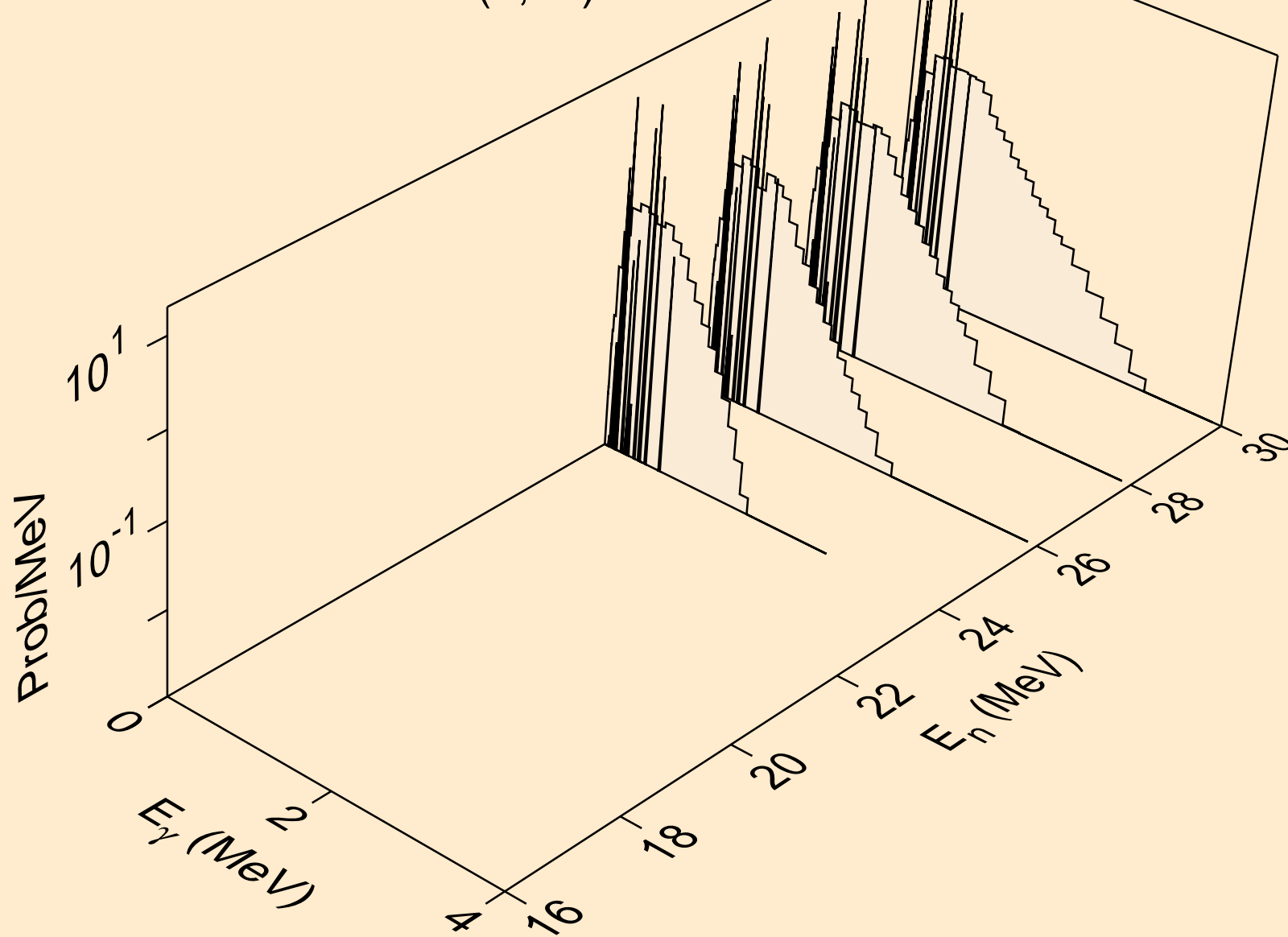




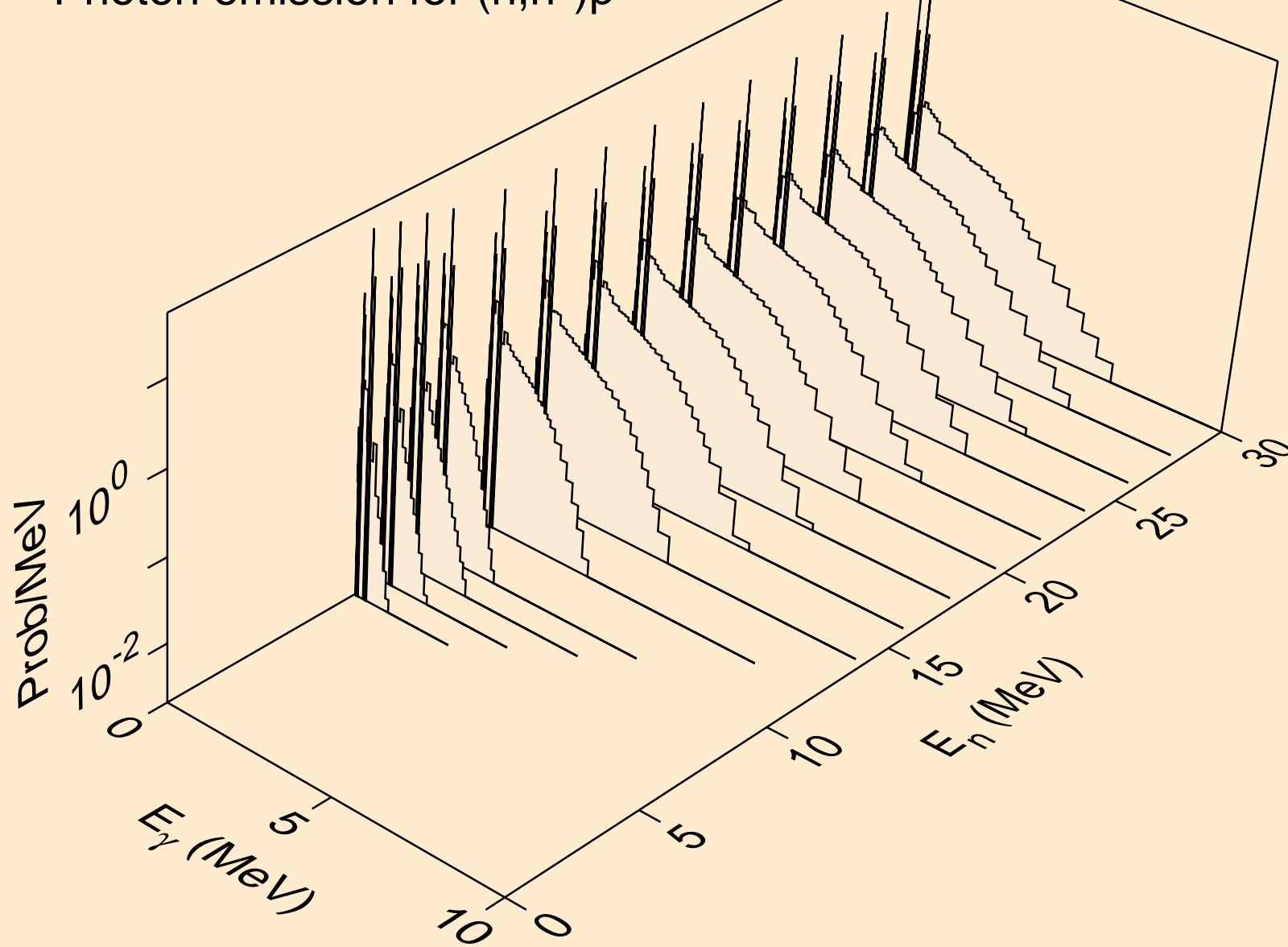
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



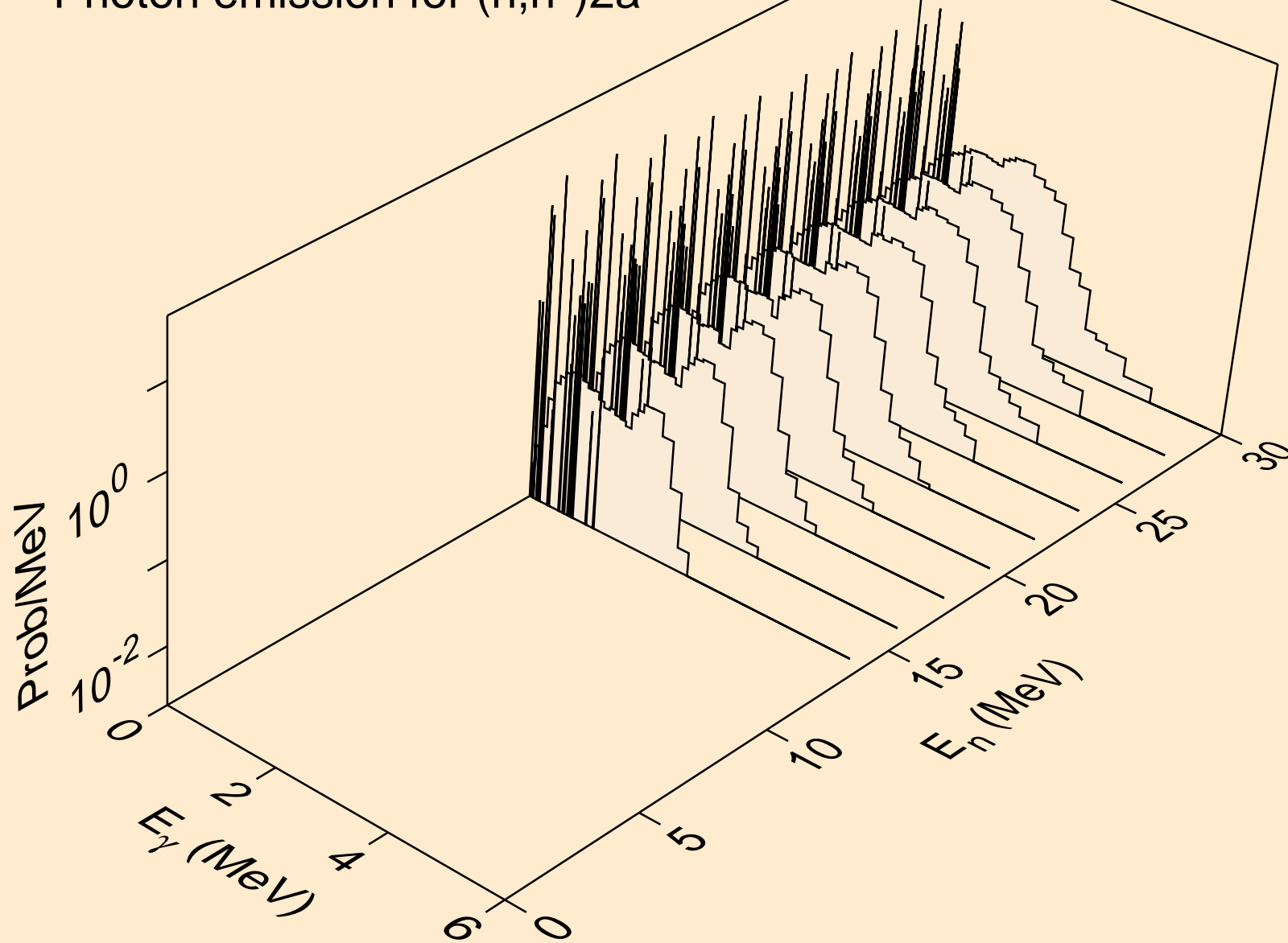
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



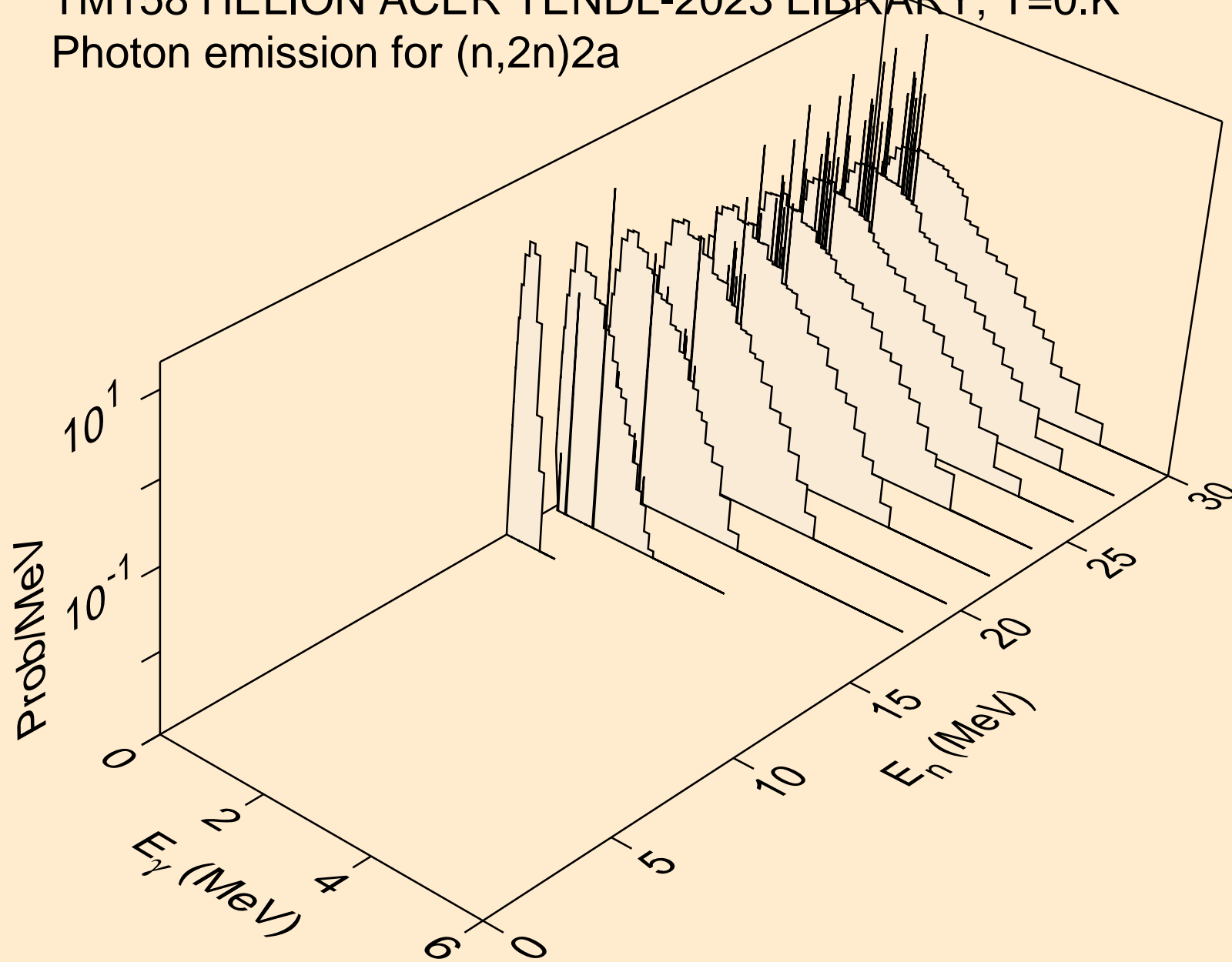
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



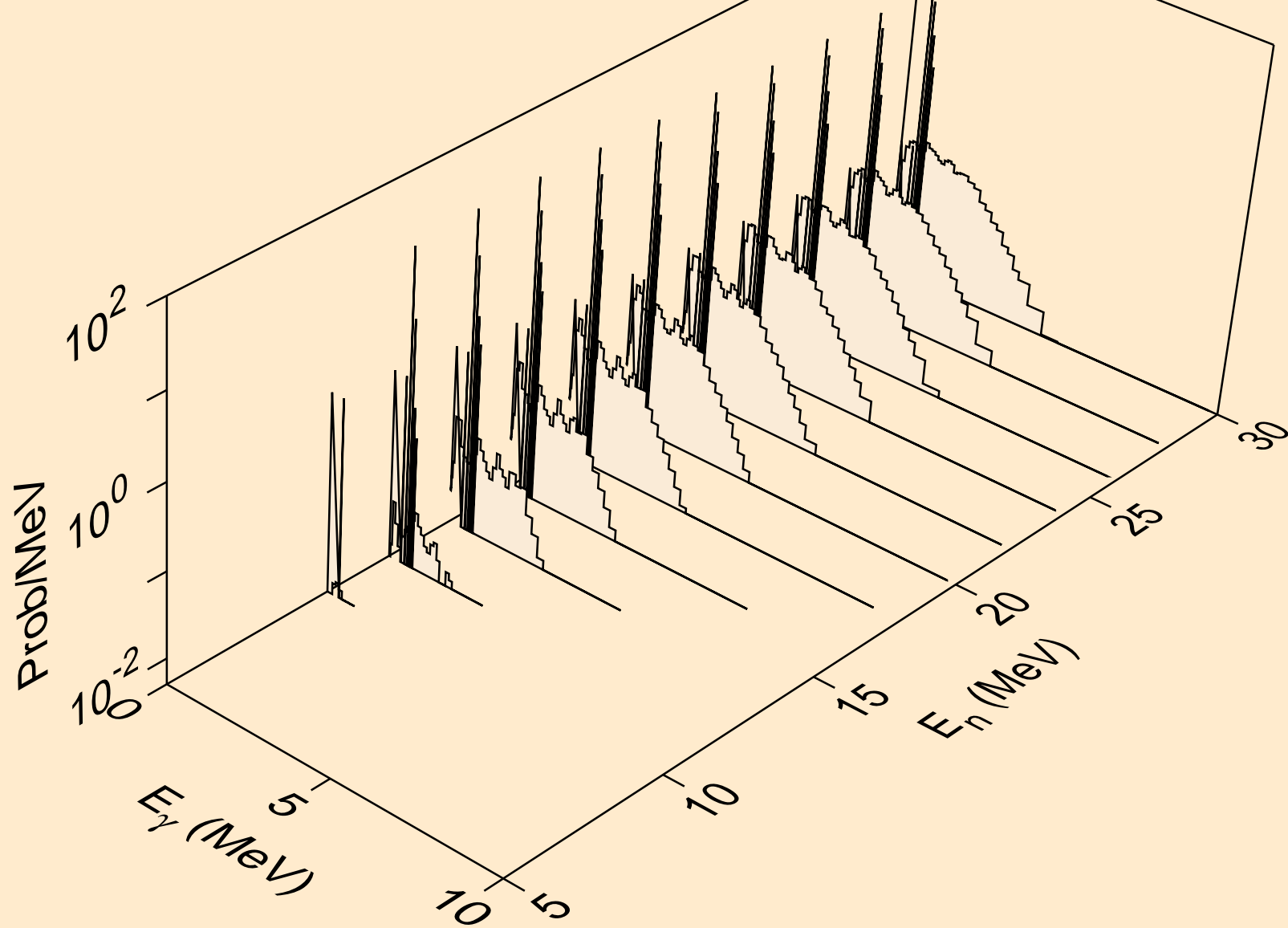
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



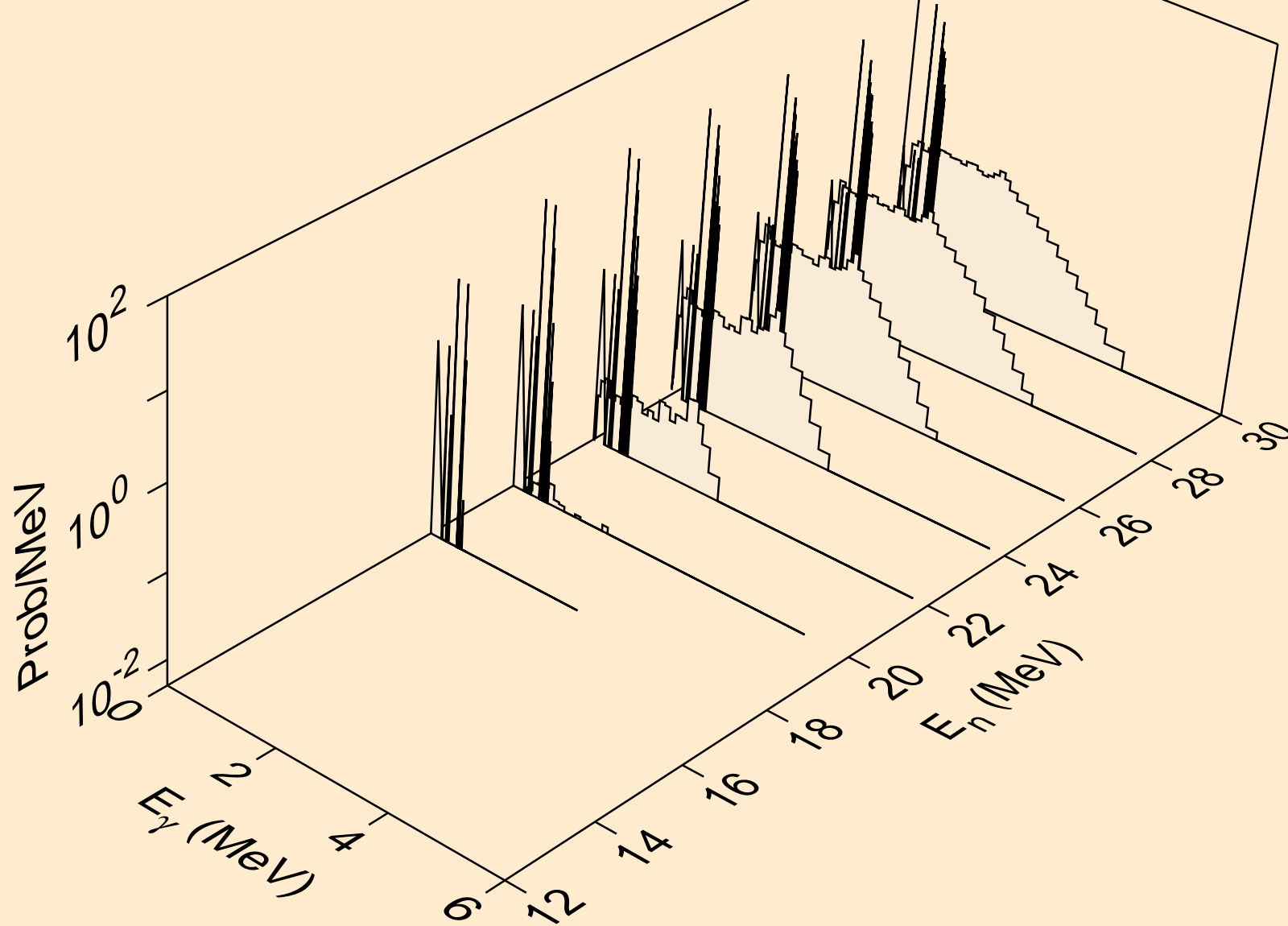
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



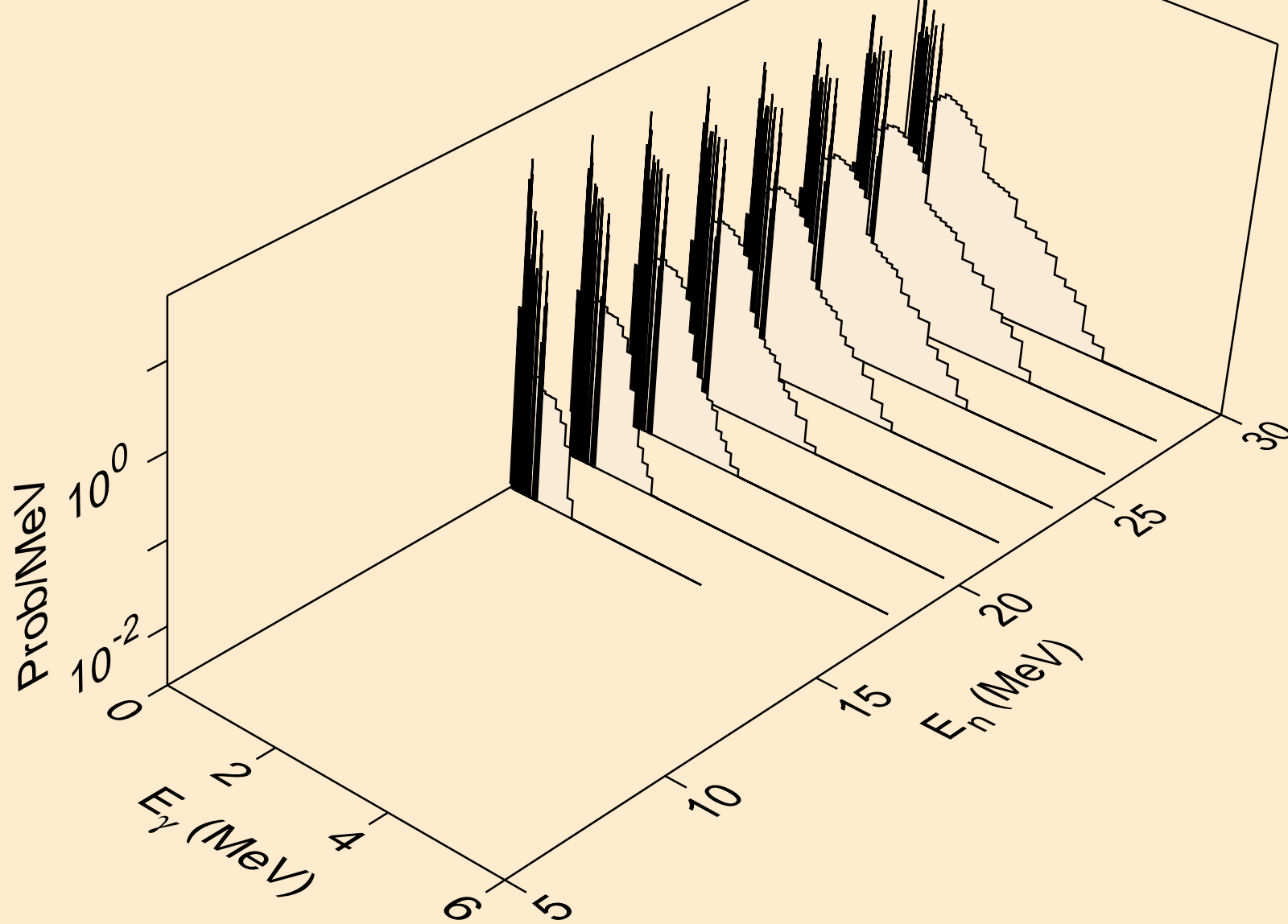
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

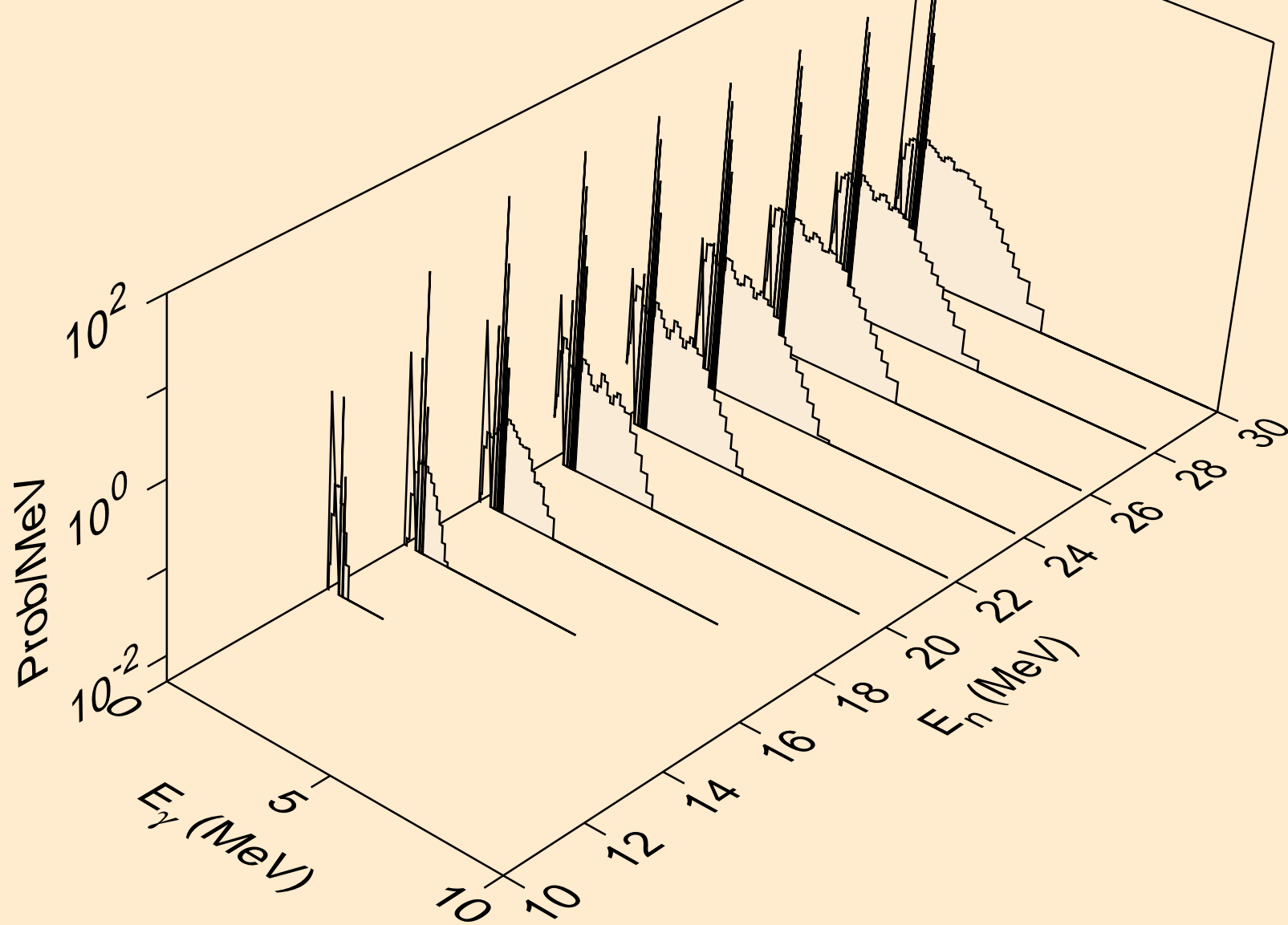


TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

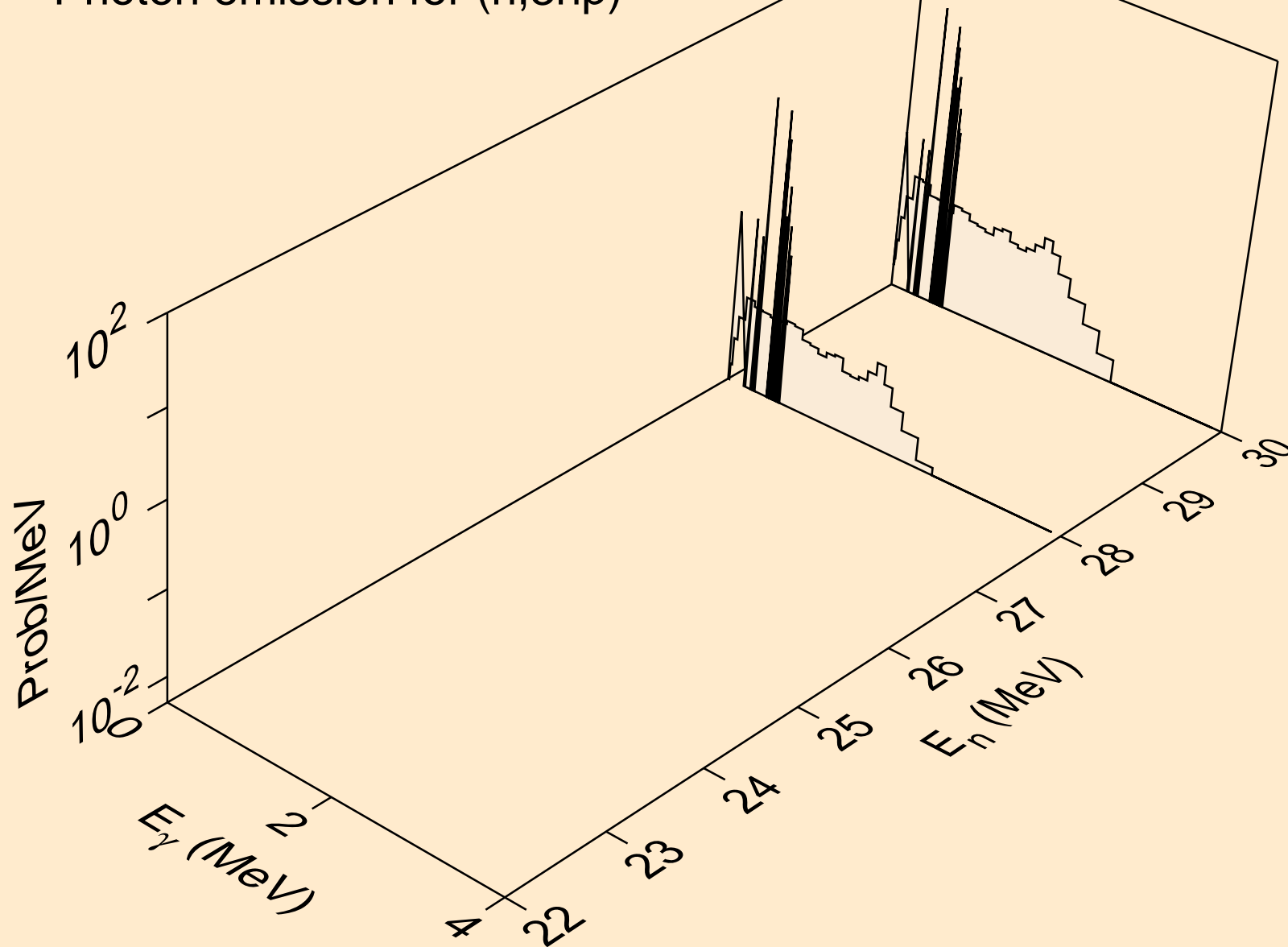




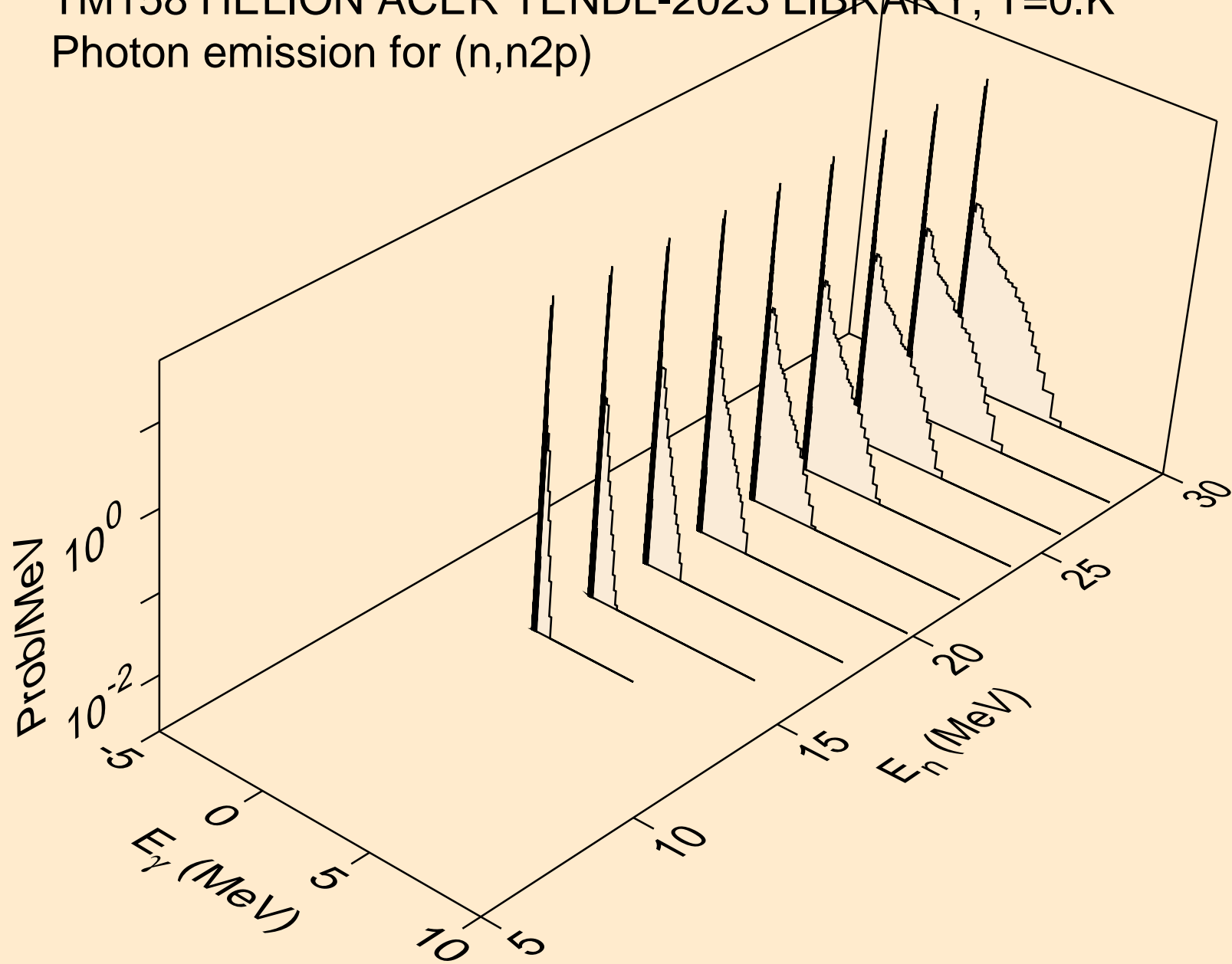
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Photon emission for (n,2np)



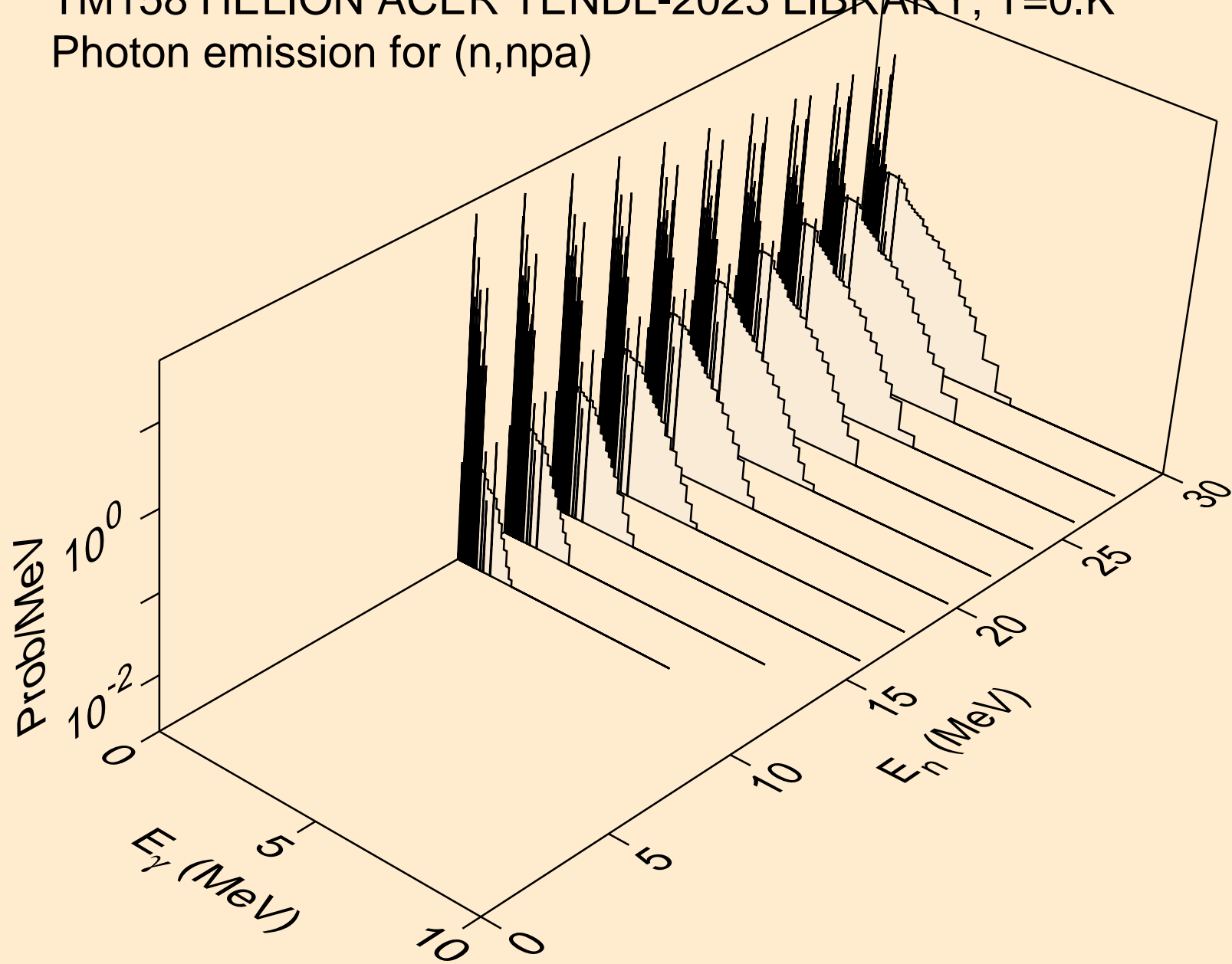
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Photon emission for (n,3np)



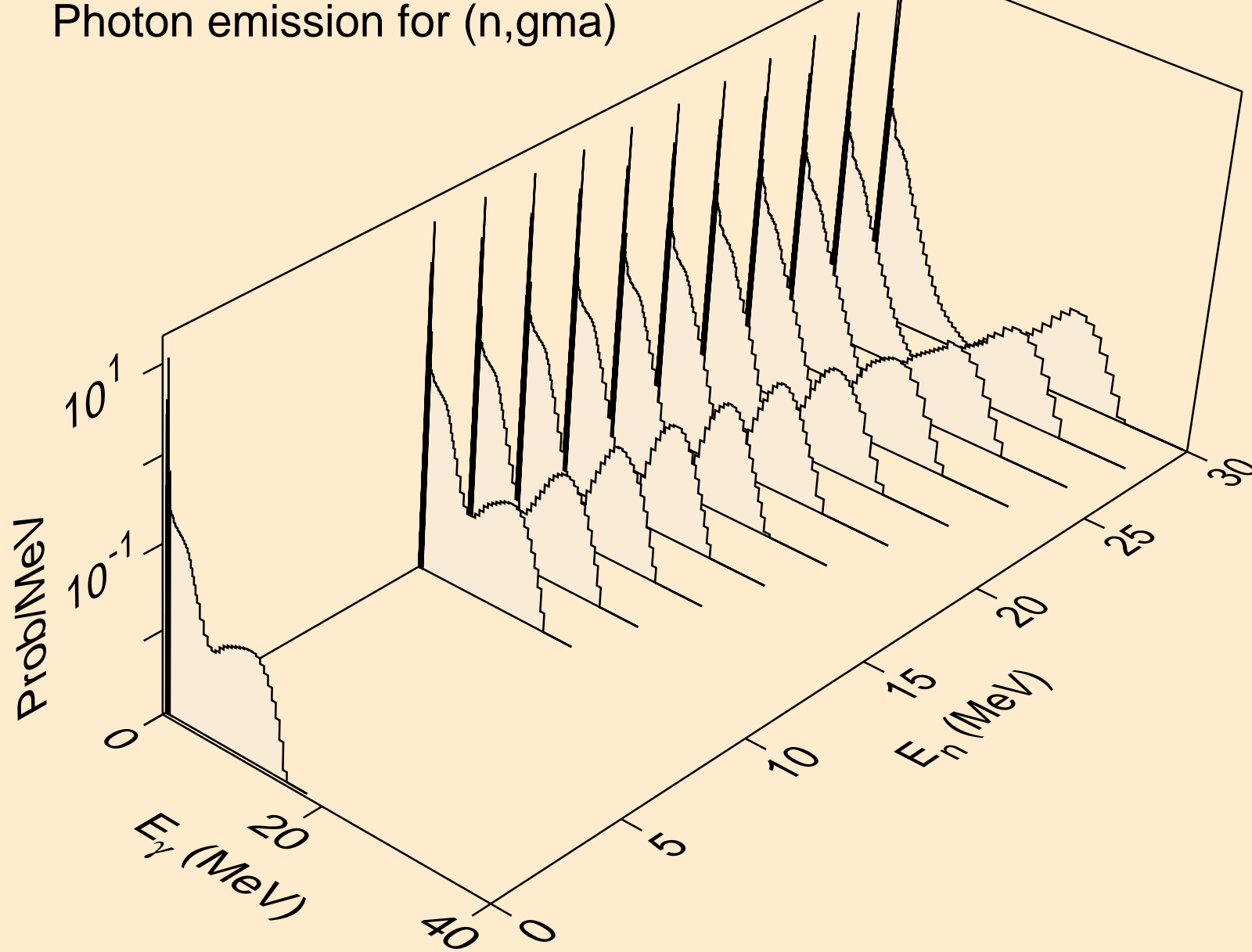
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Photon emission for (n,n2p)



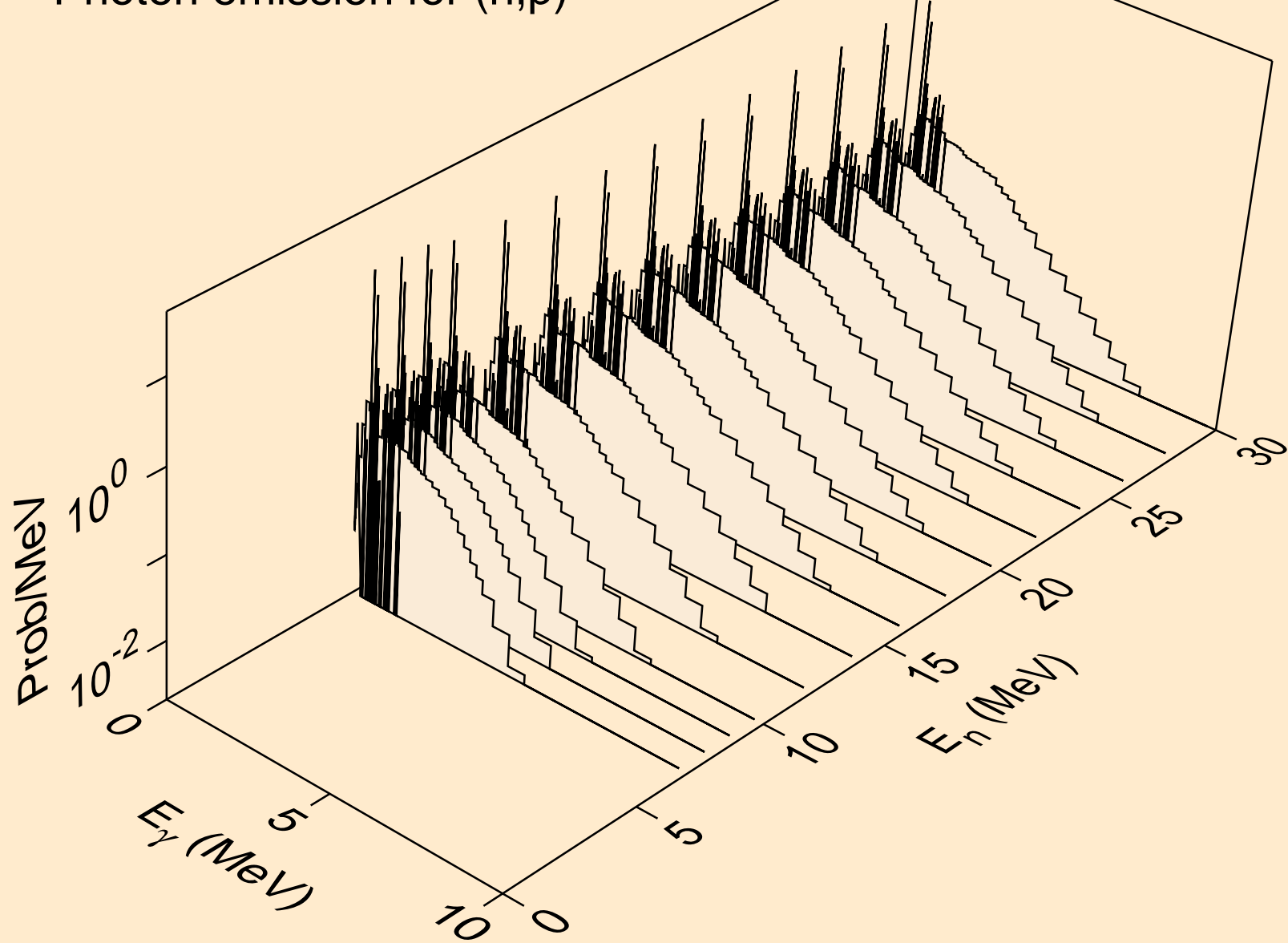
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Photon emission for (n,npa)



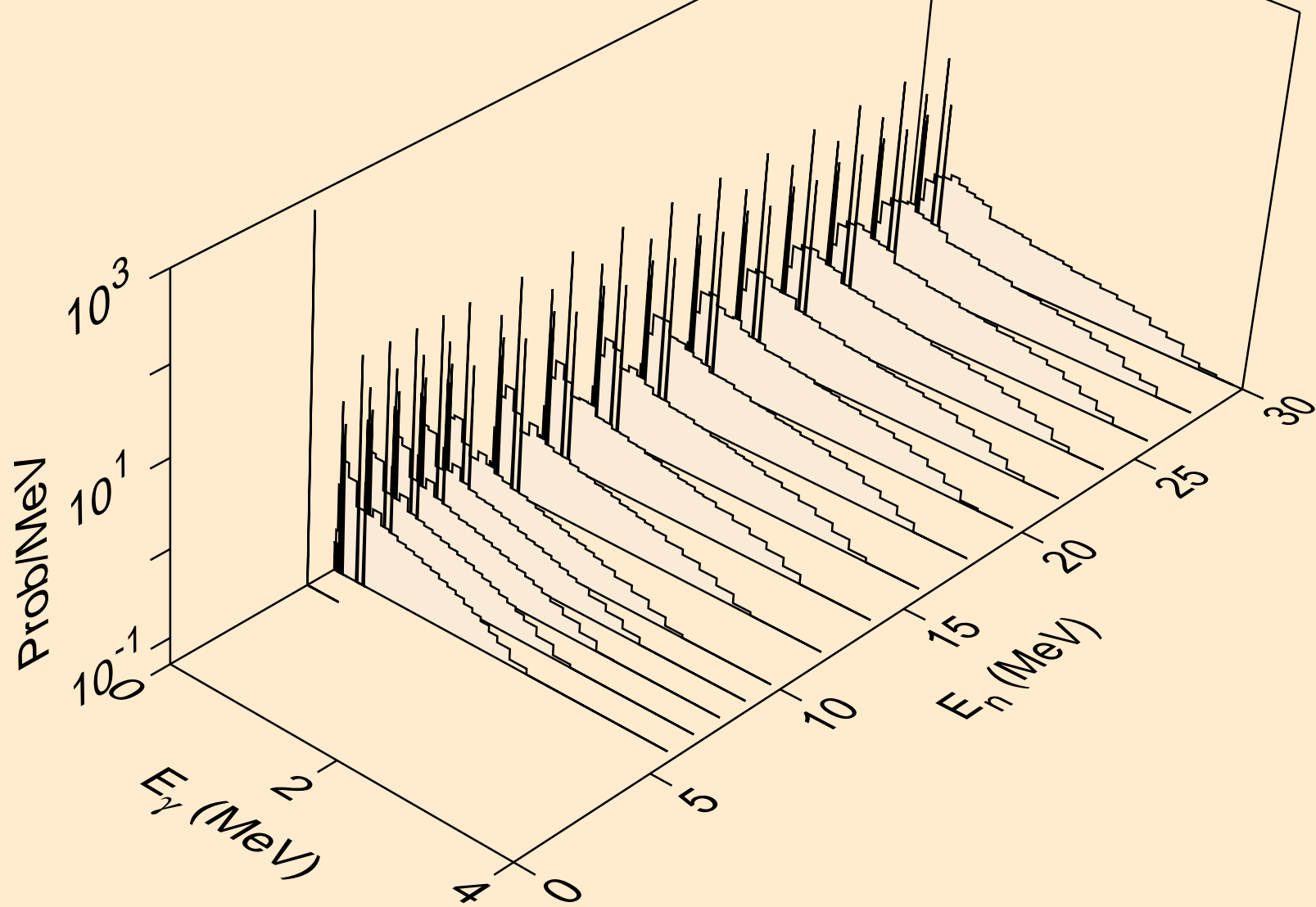
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Photon emission for (n,gma)



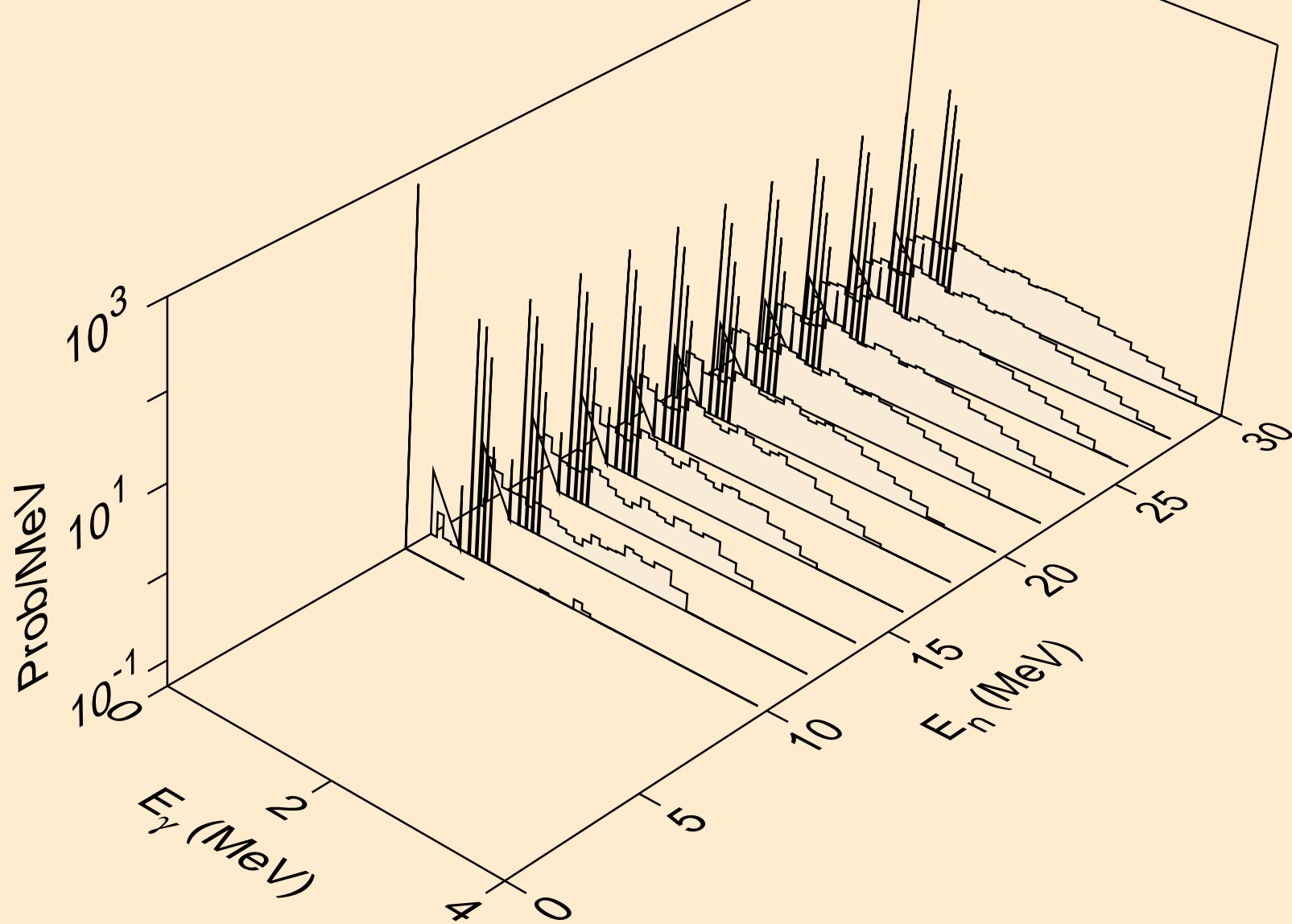
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)

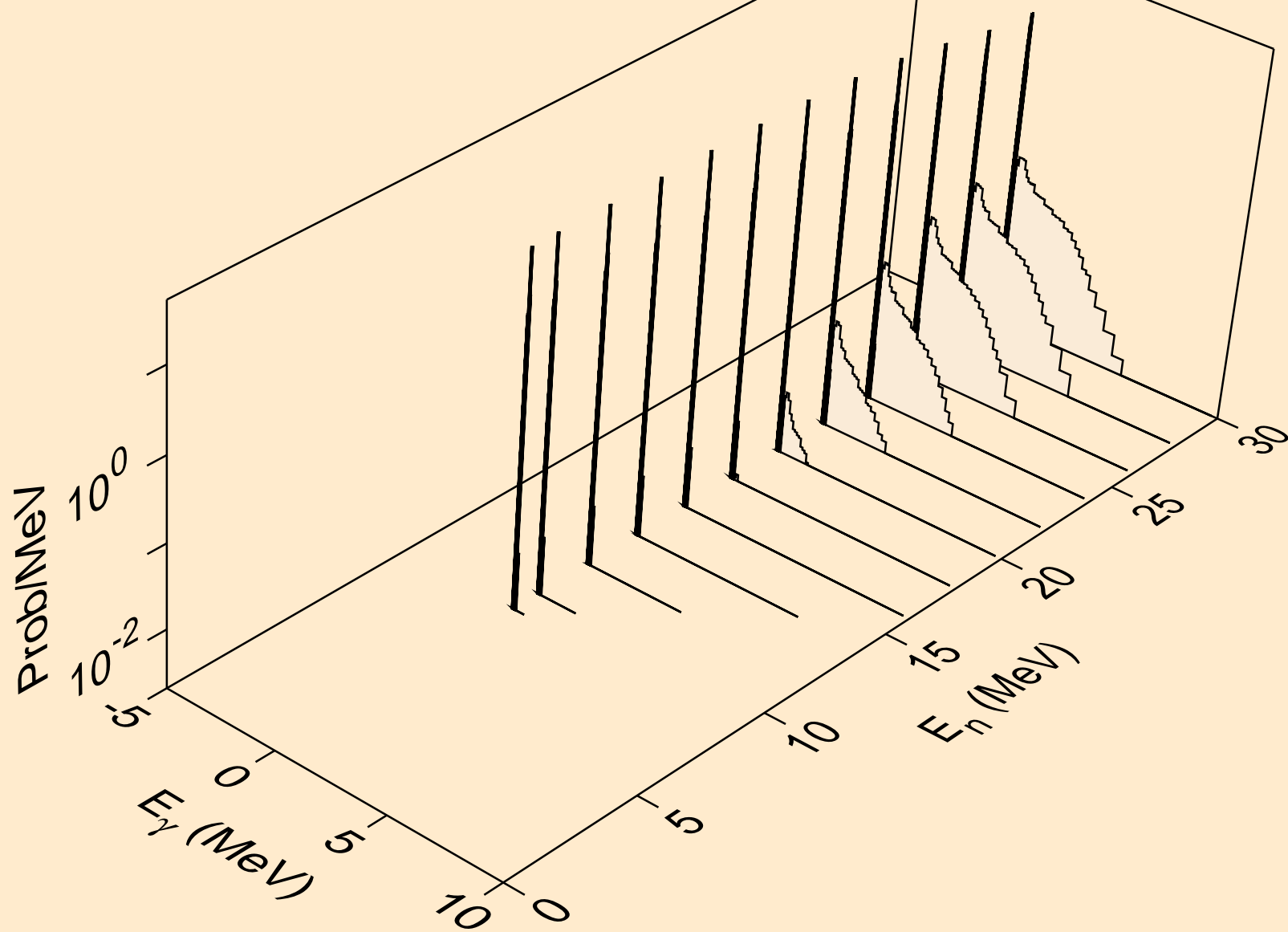


TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

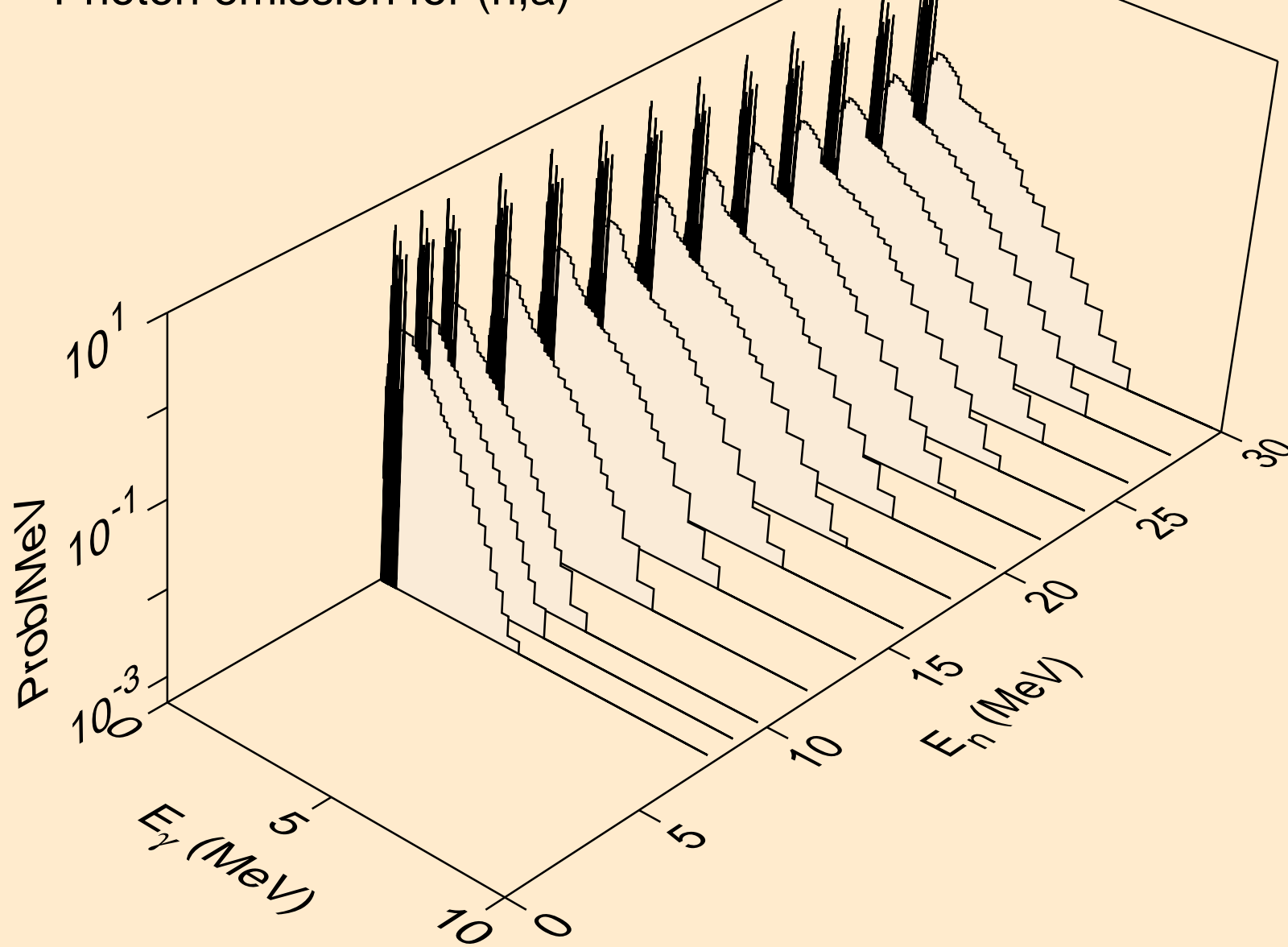




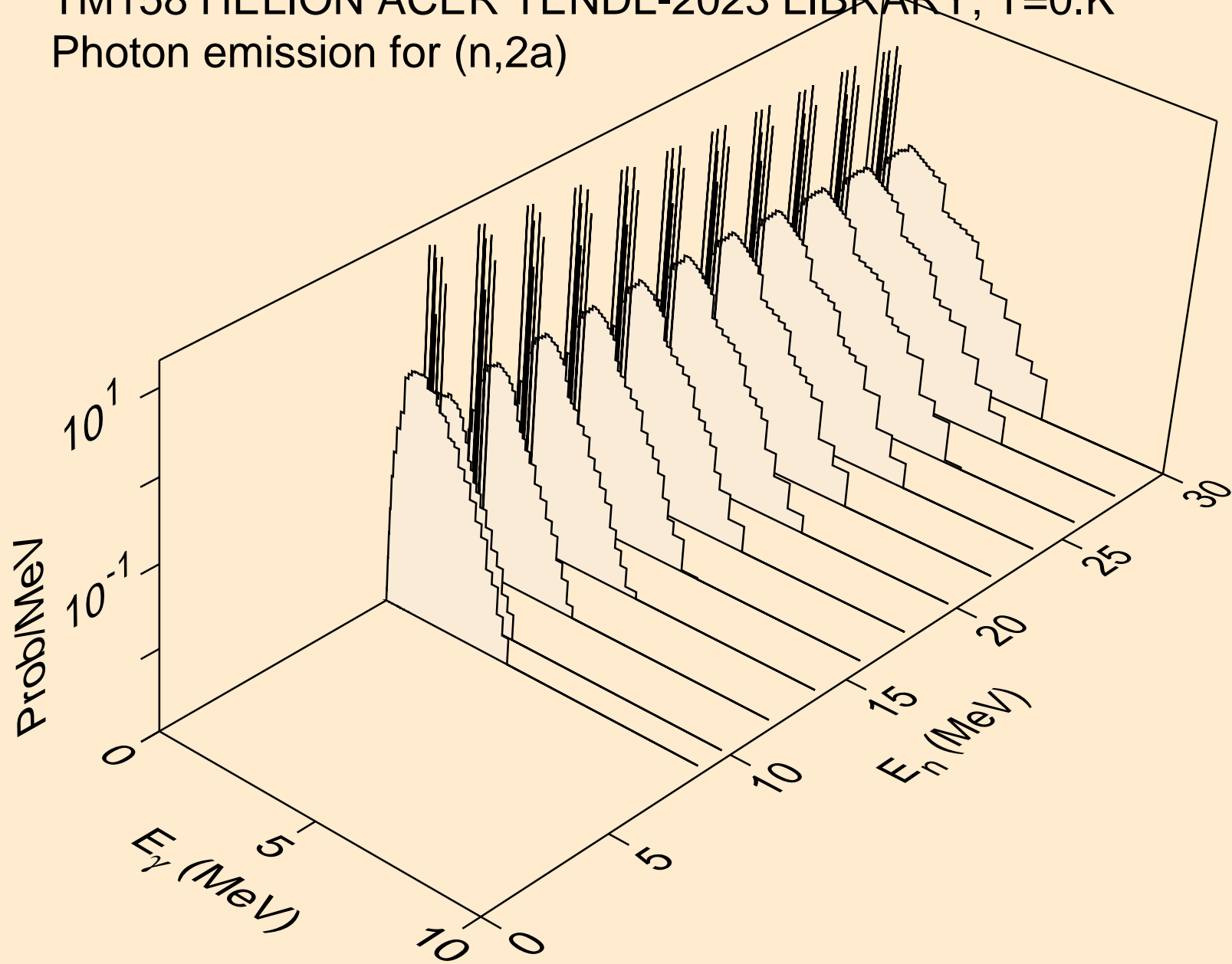
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



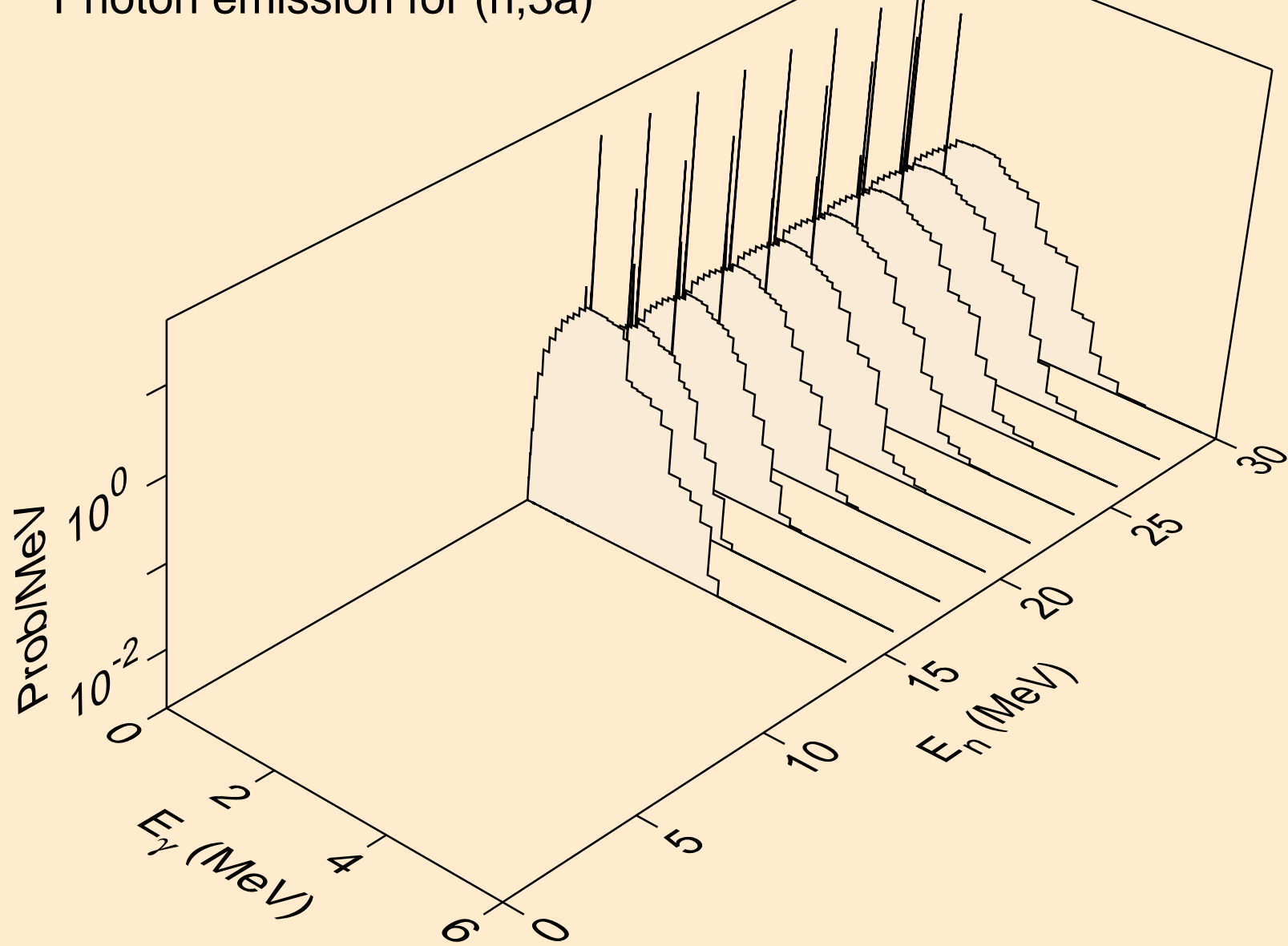
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Photon emission for (n,a)



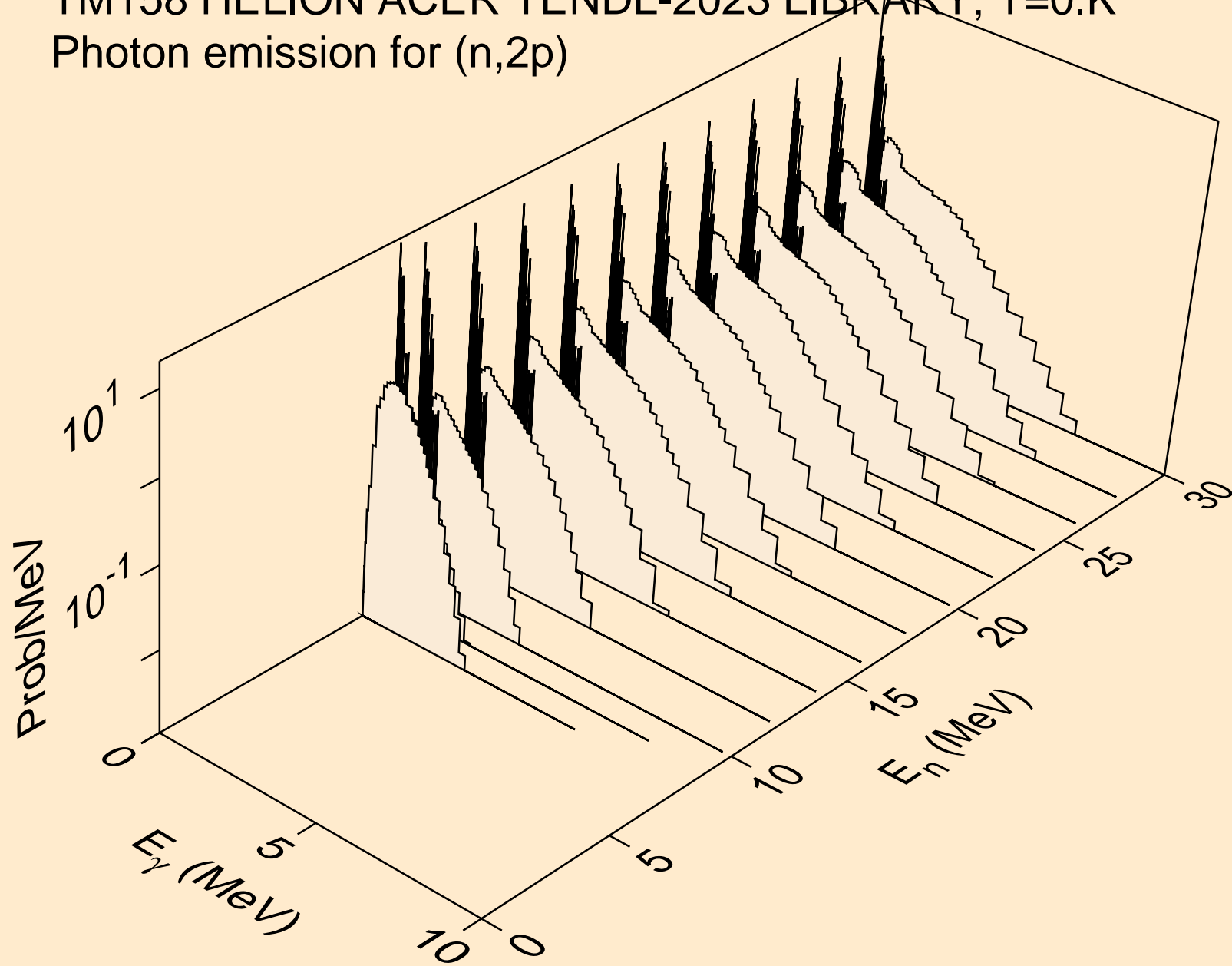
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Photon emission for (n,2a)



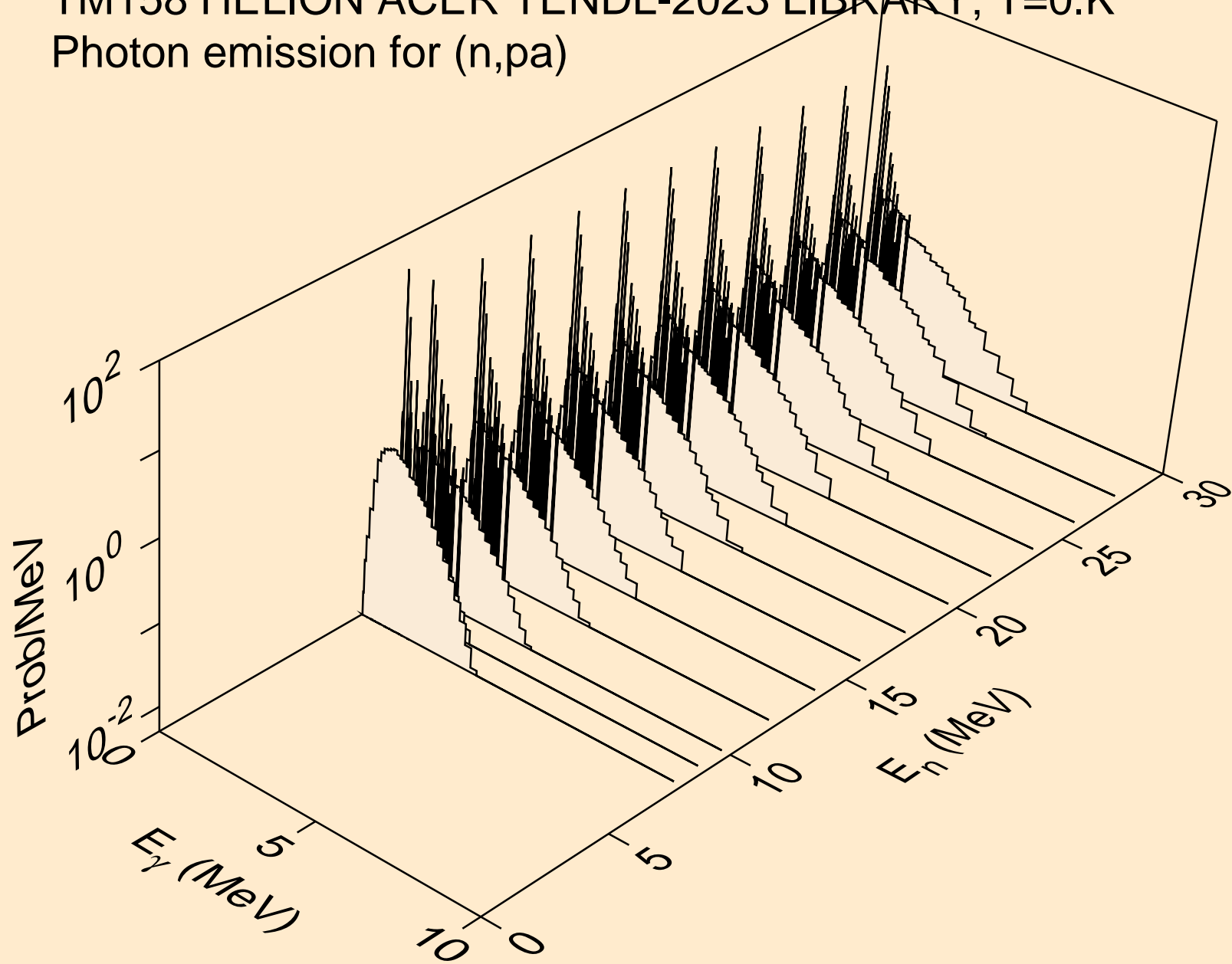
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3a)



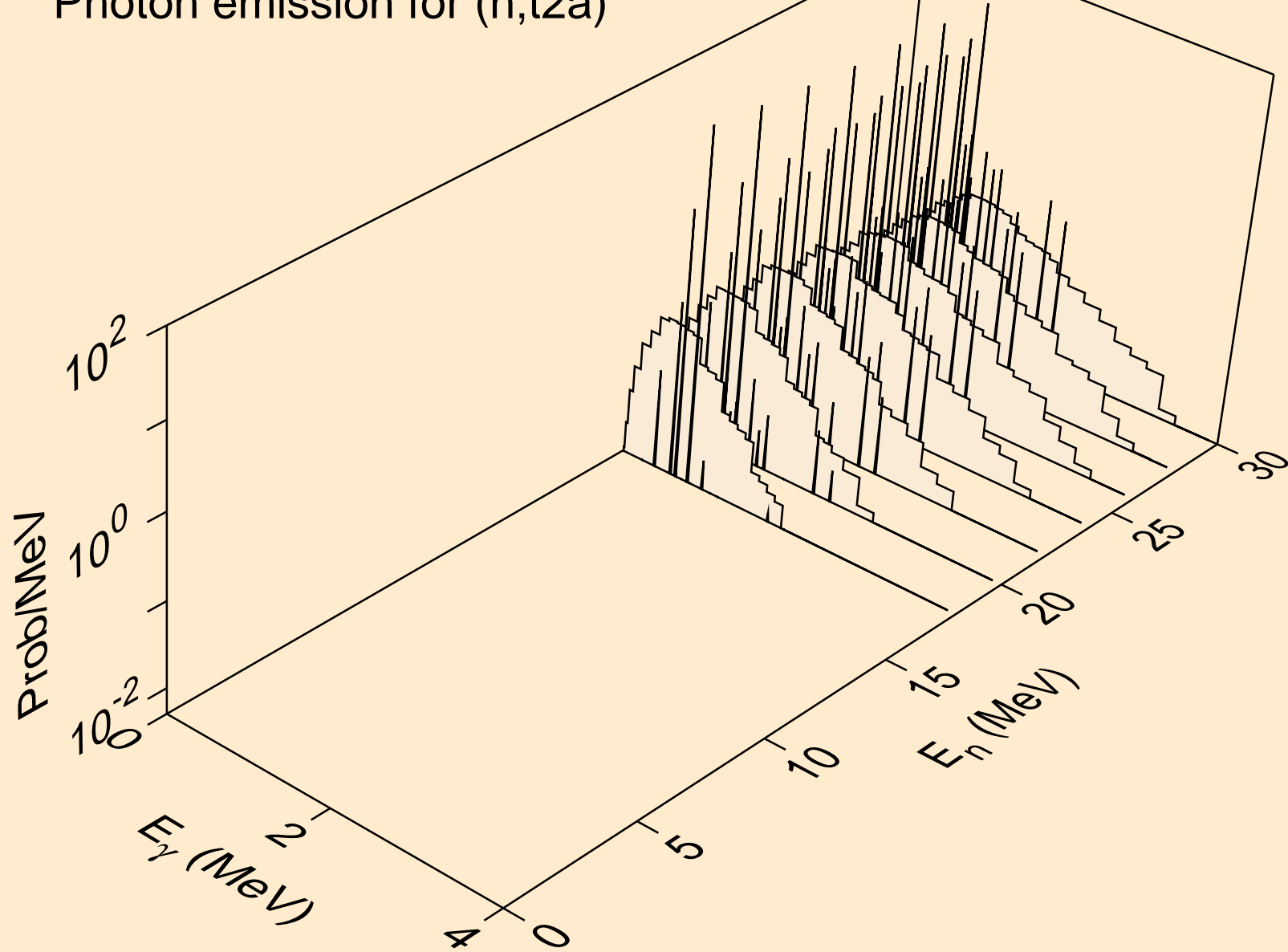
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Photon emission for (n,2p)



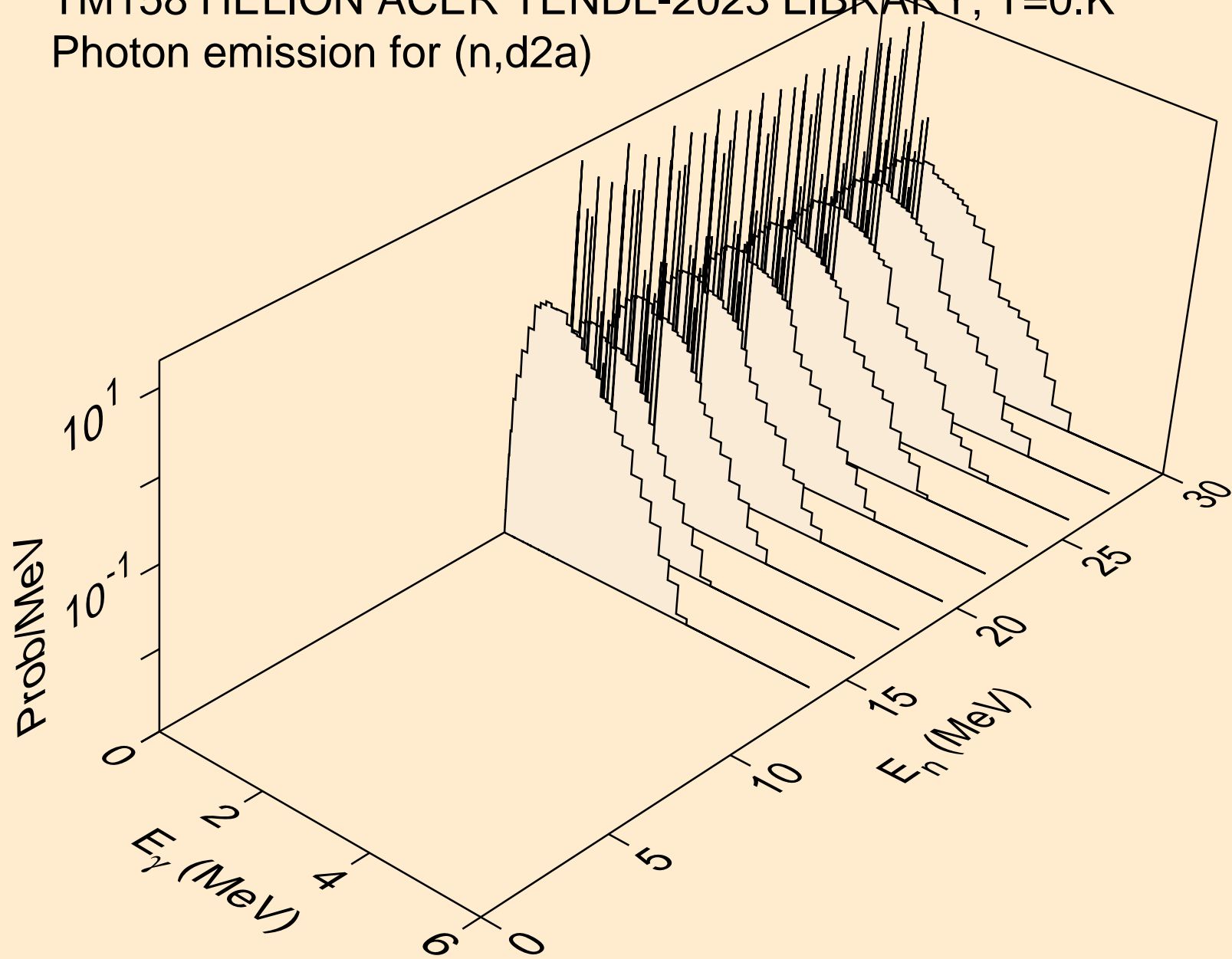
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)



TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t2a)

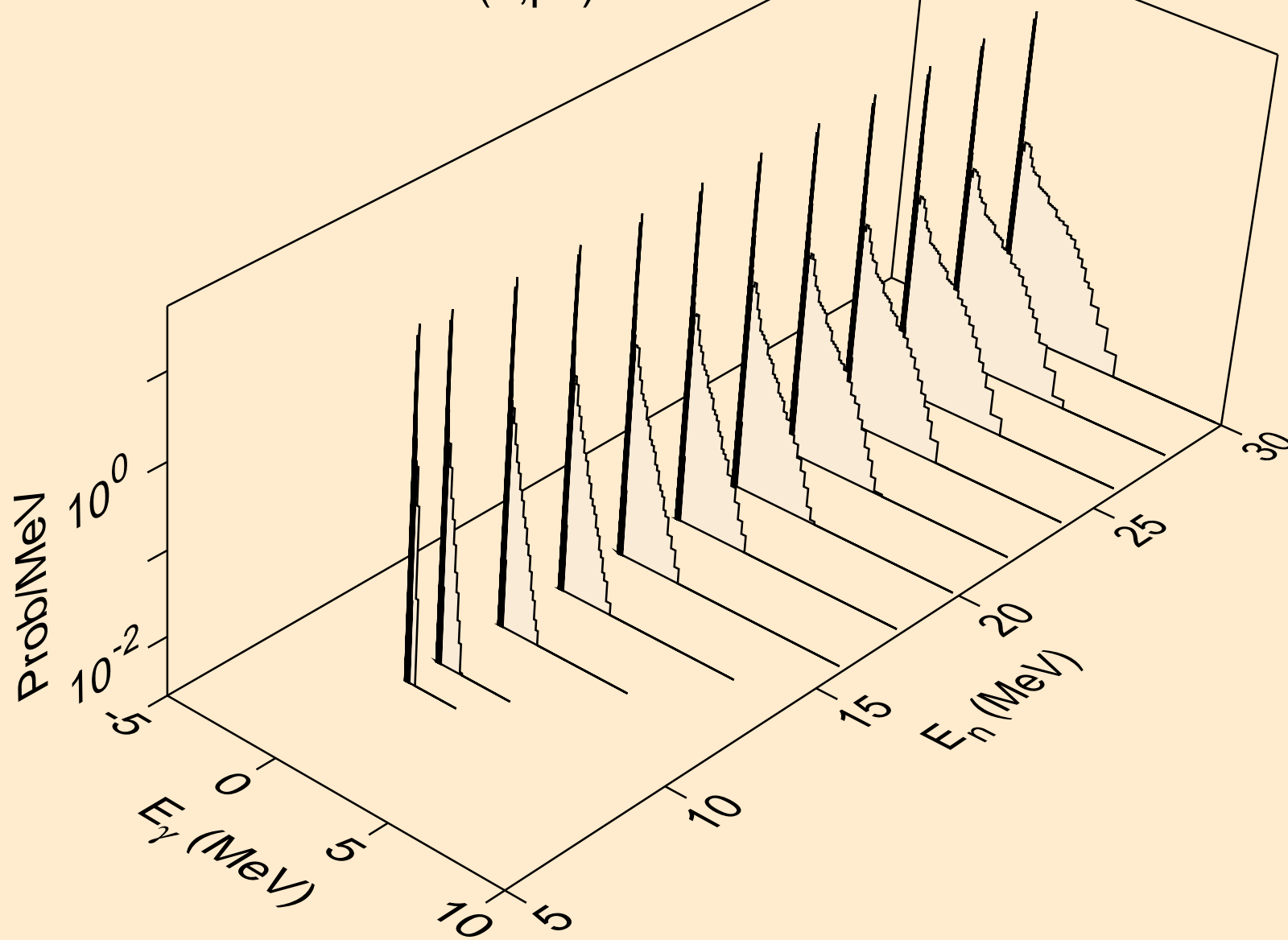


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Photon emission for (n,d2a)

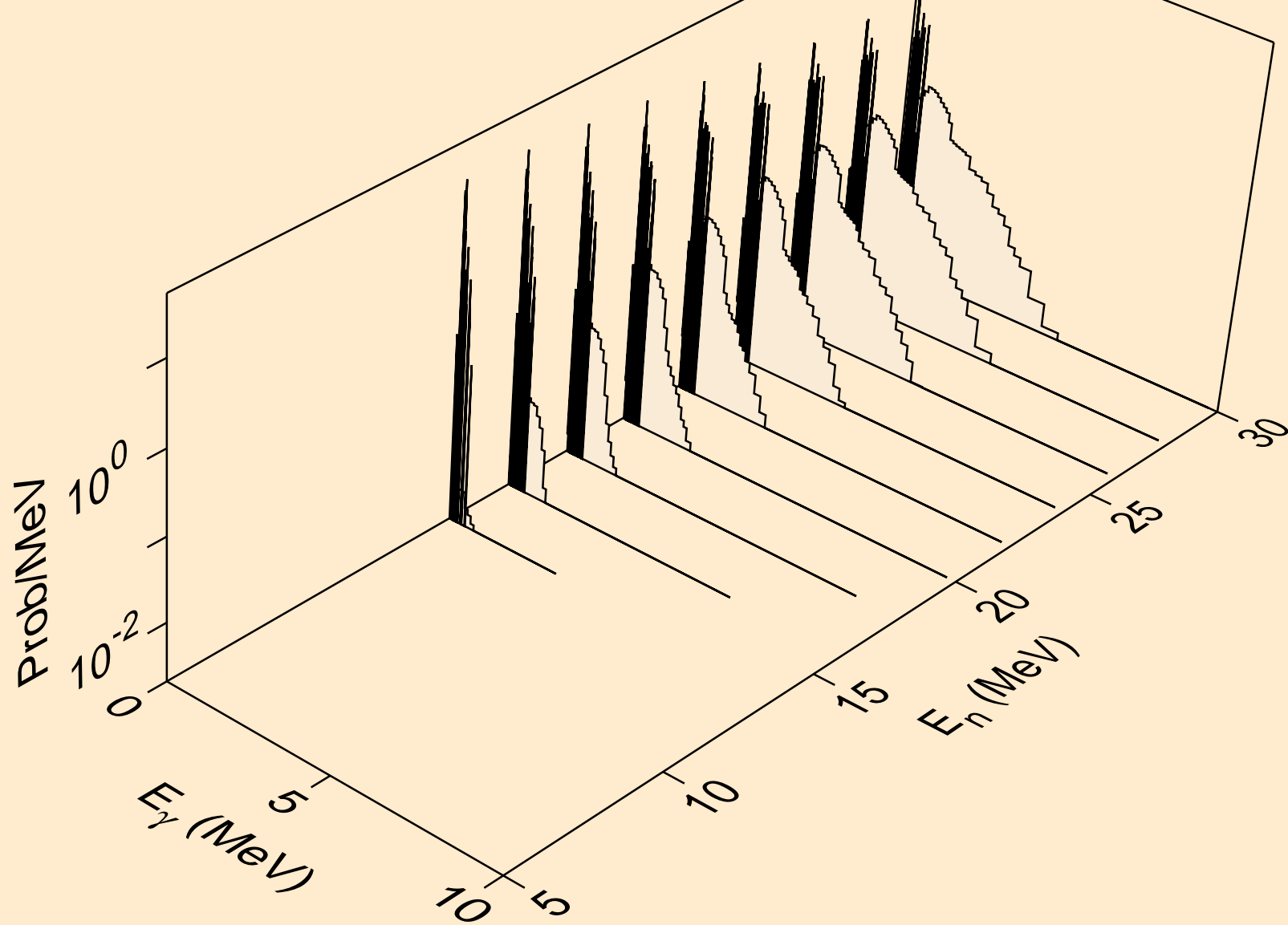




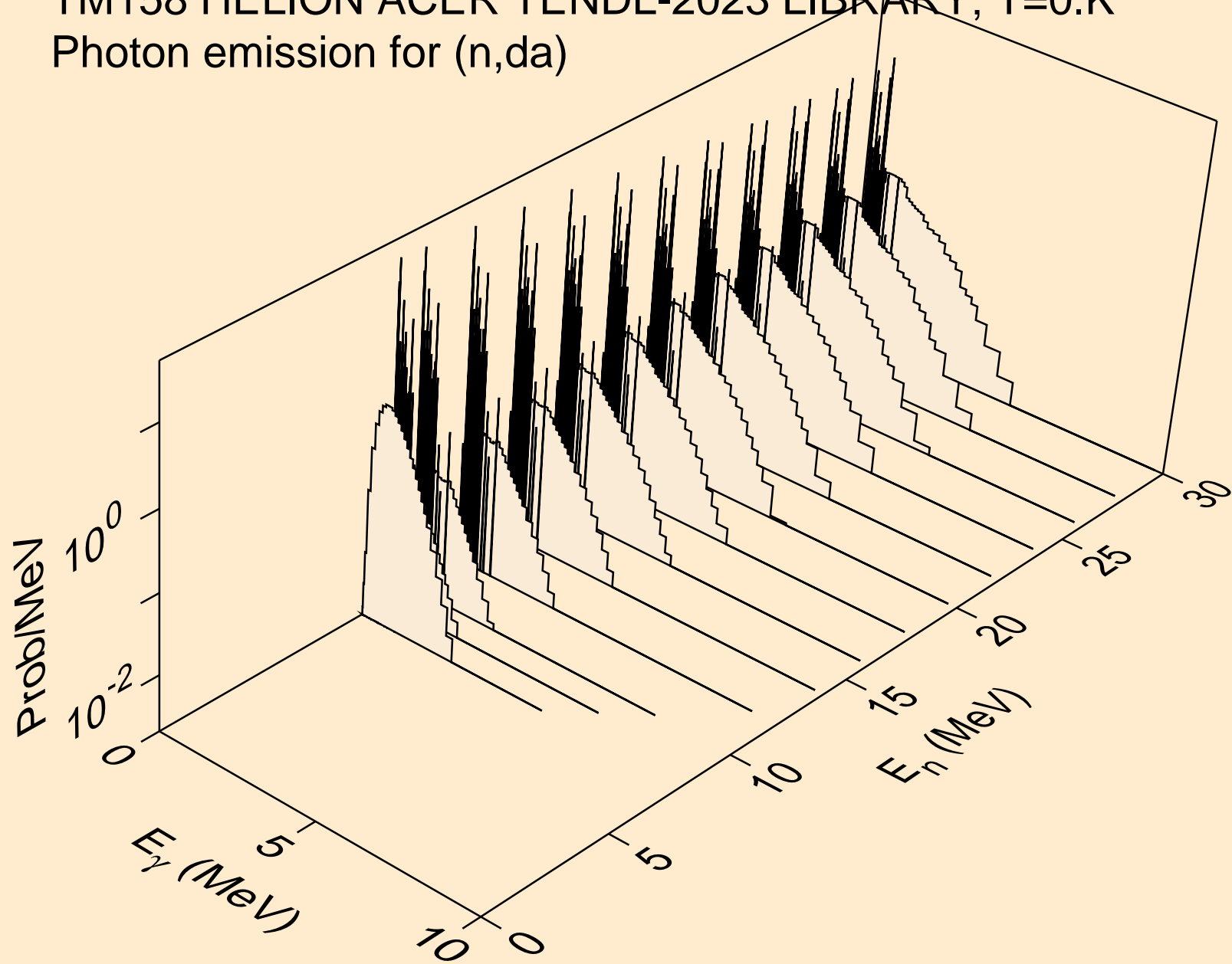
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

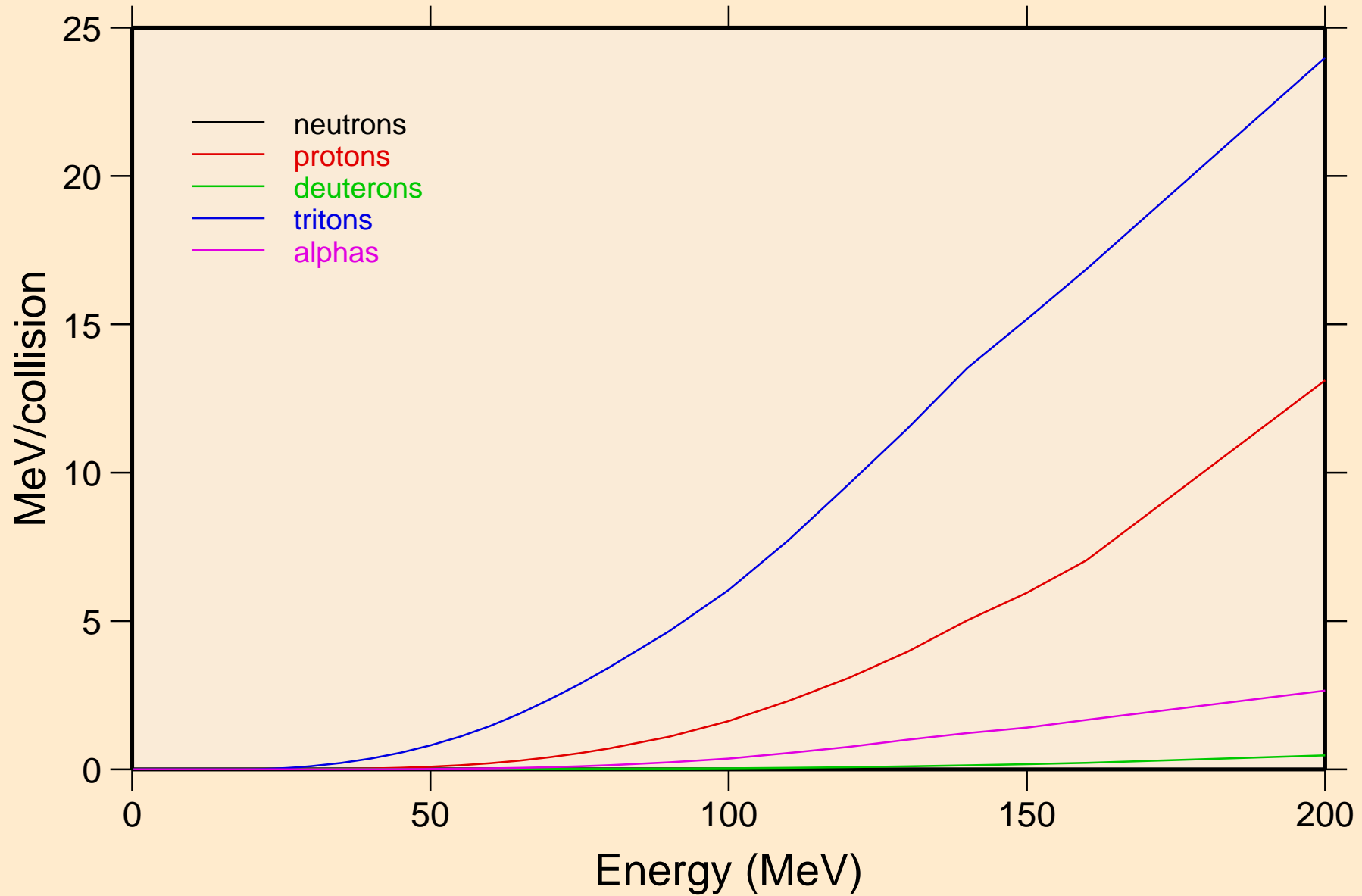


TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)

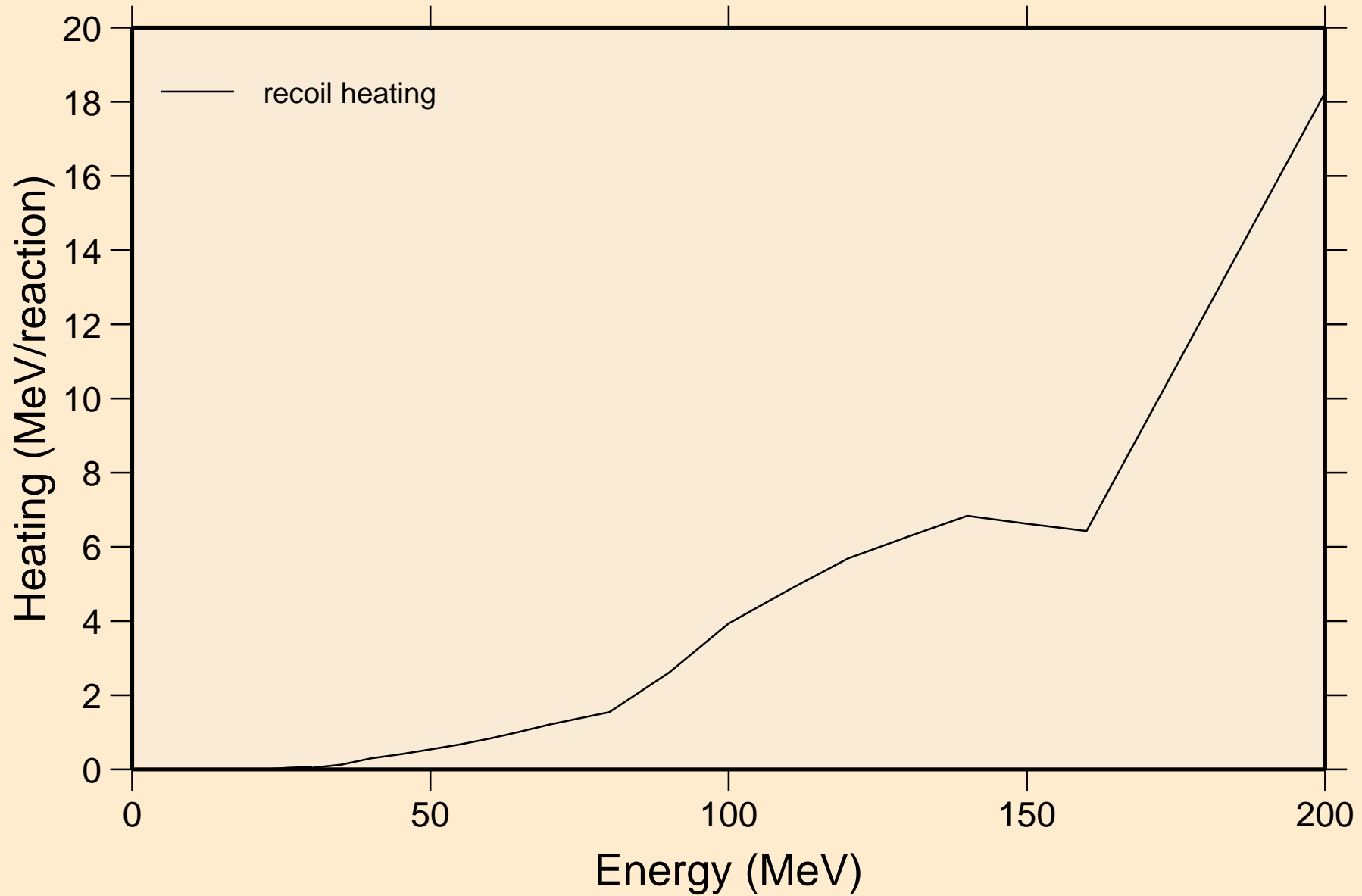


# TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K

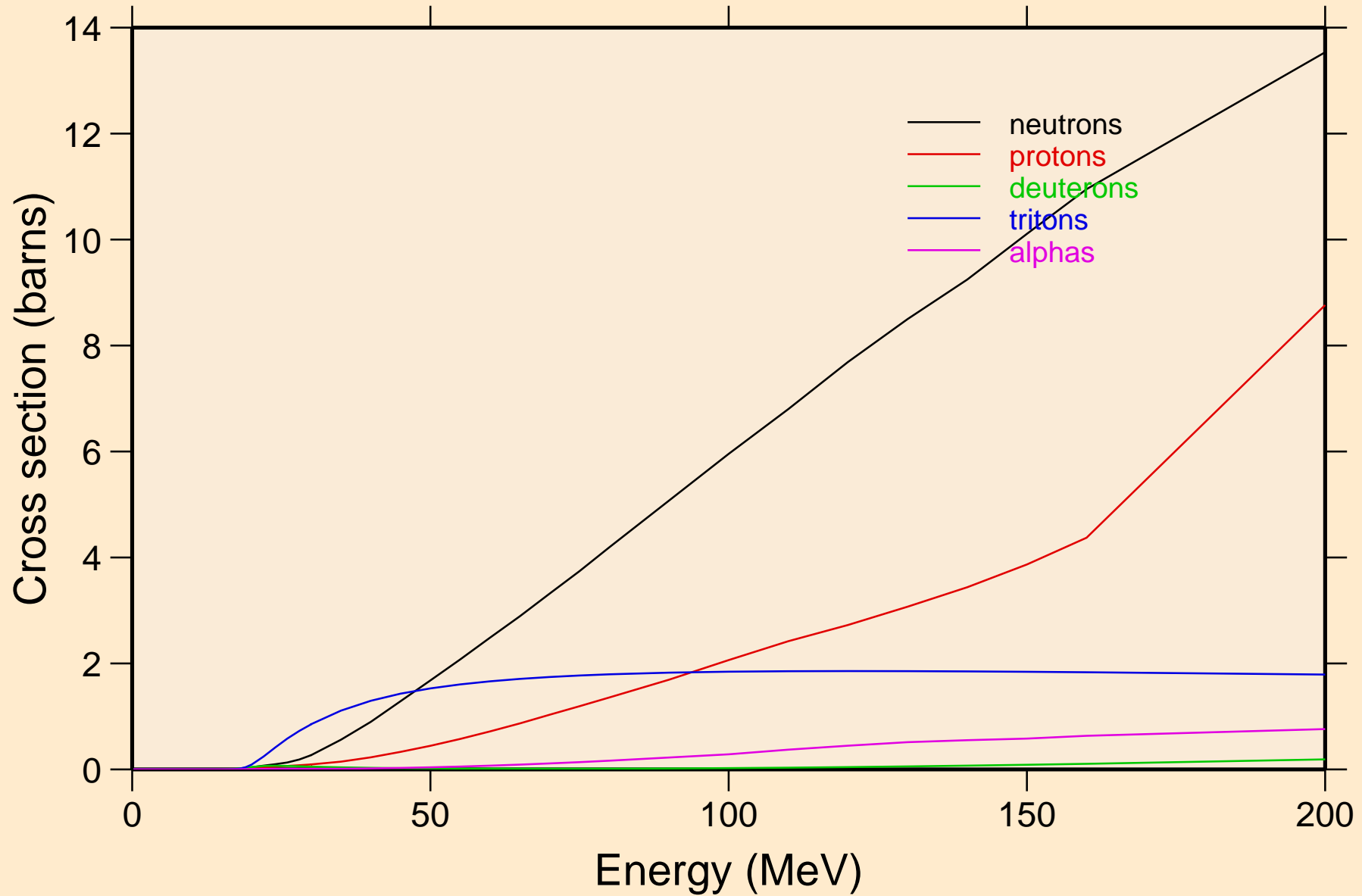
## Particle heating contributions



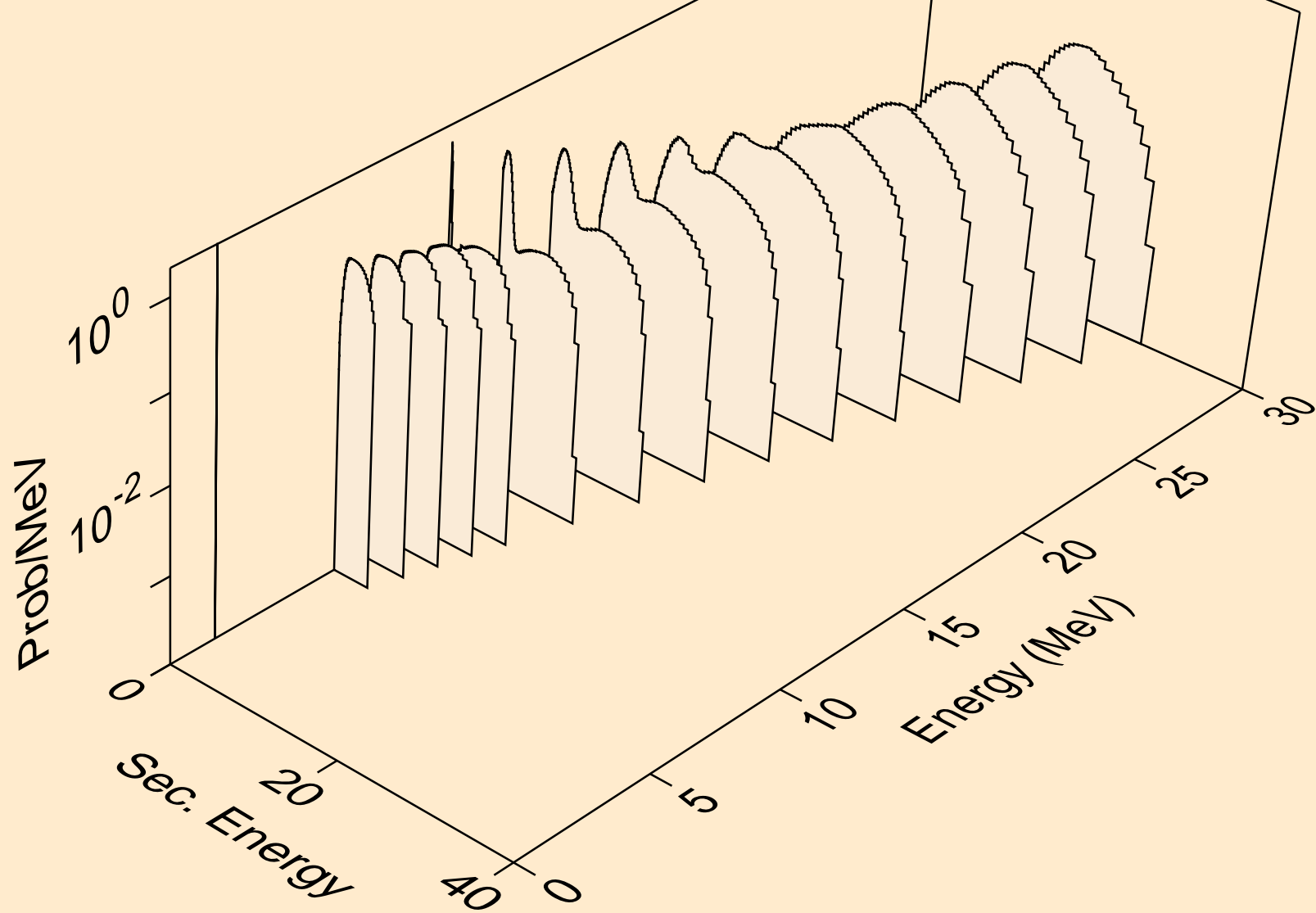
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



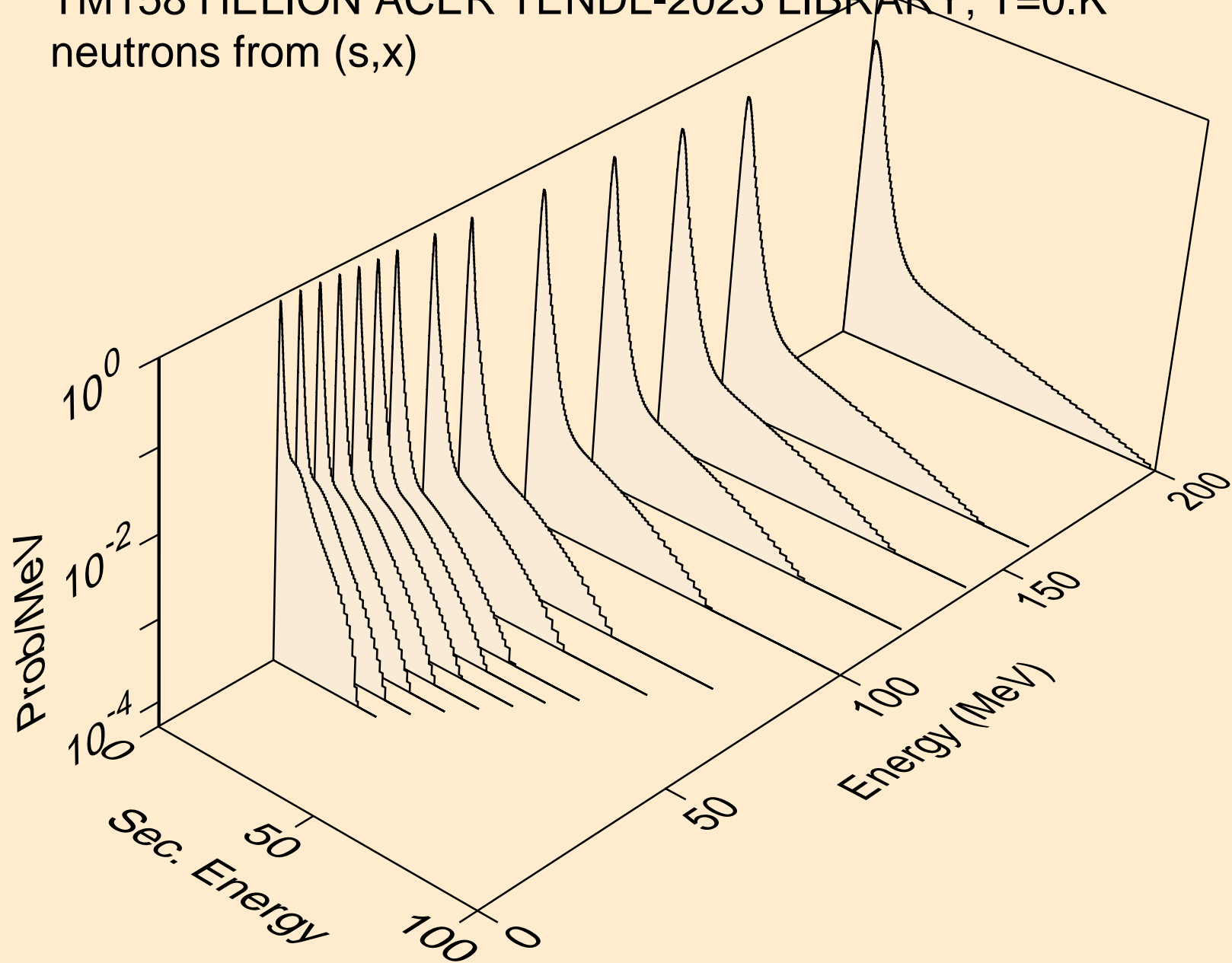
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)

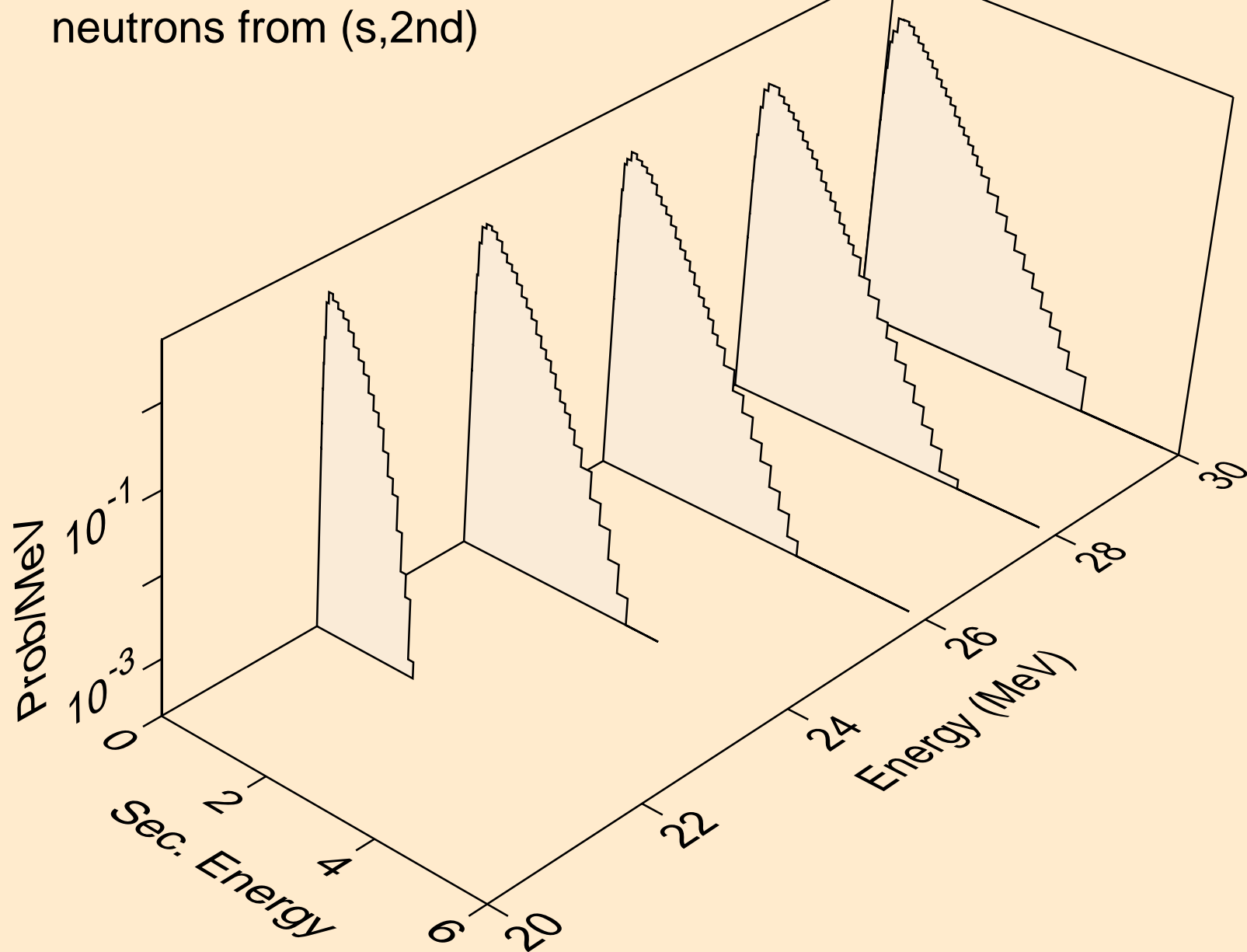


TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,x)

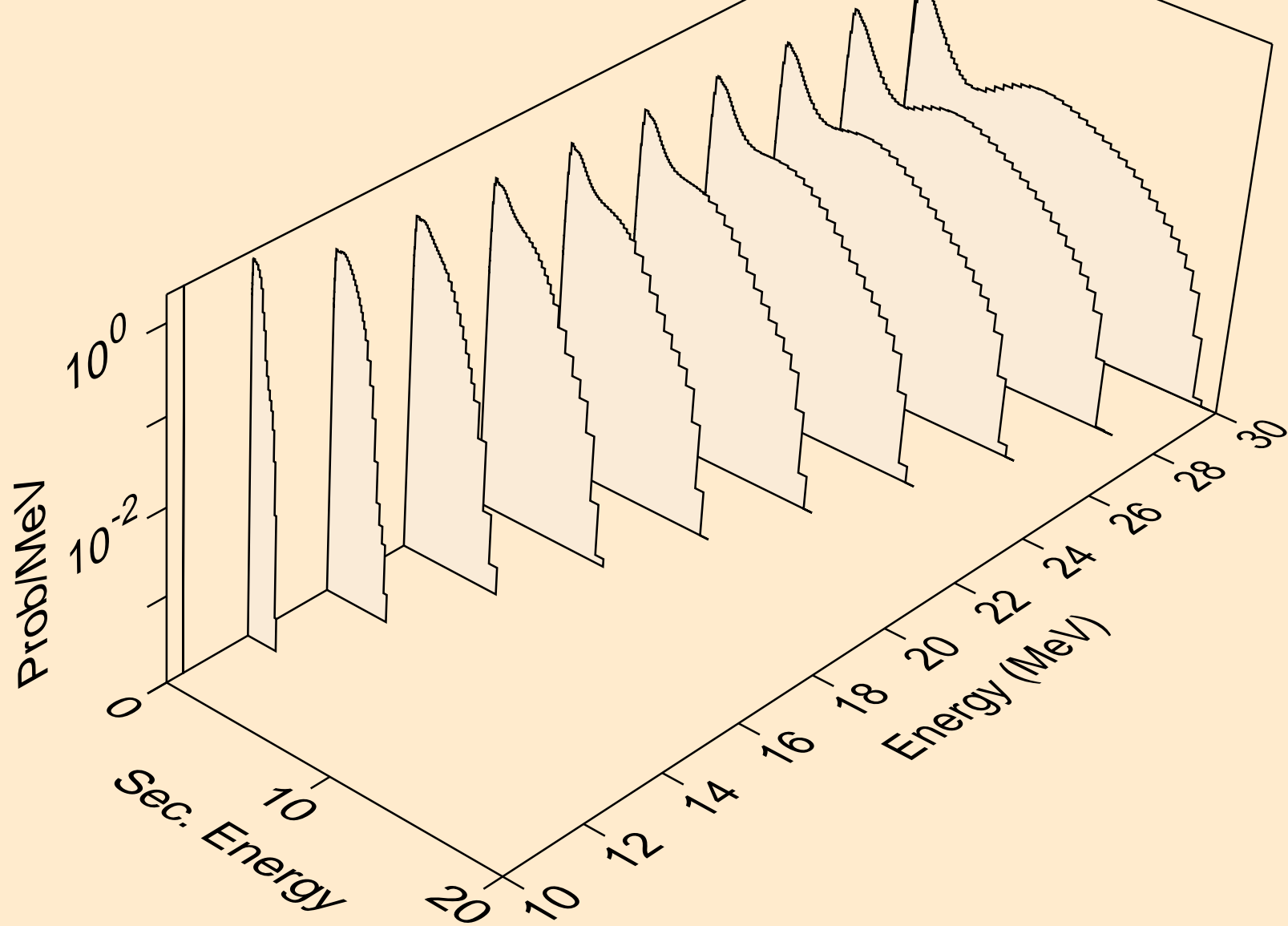




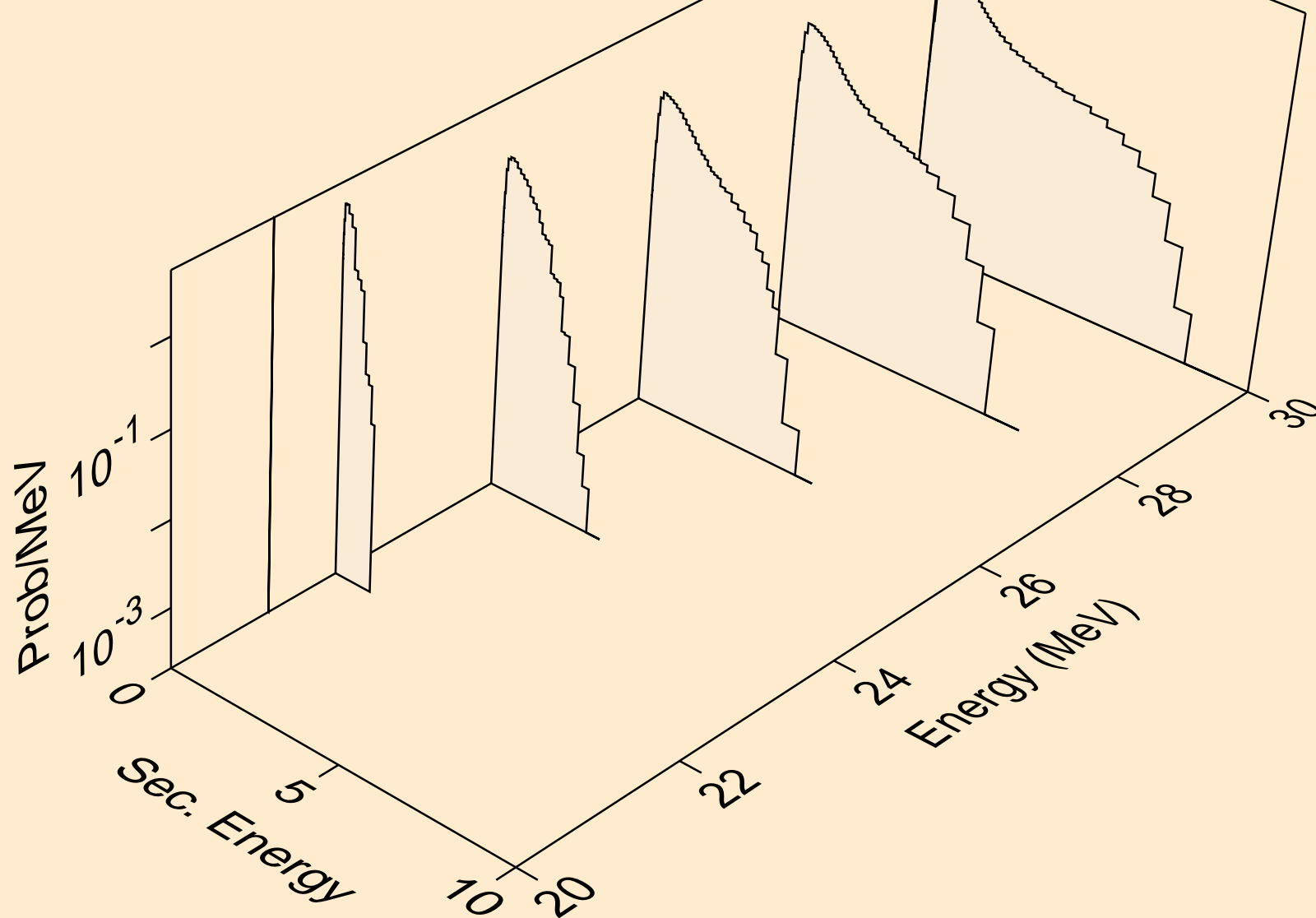
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2nd)



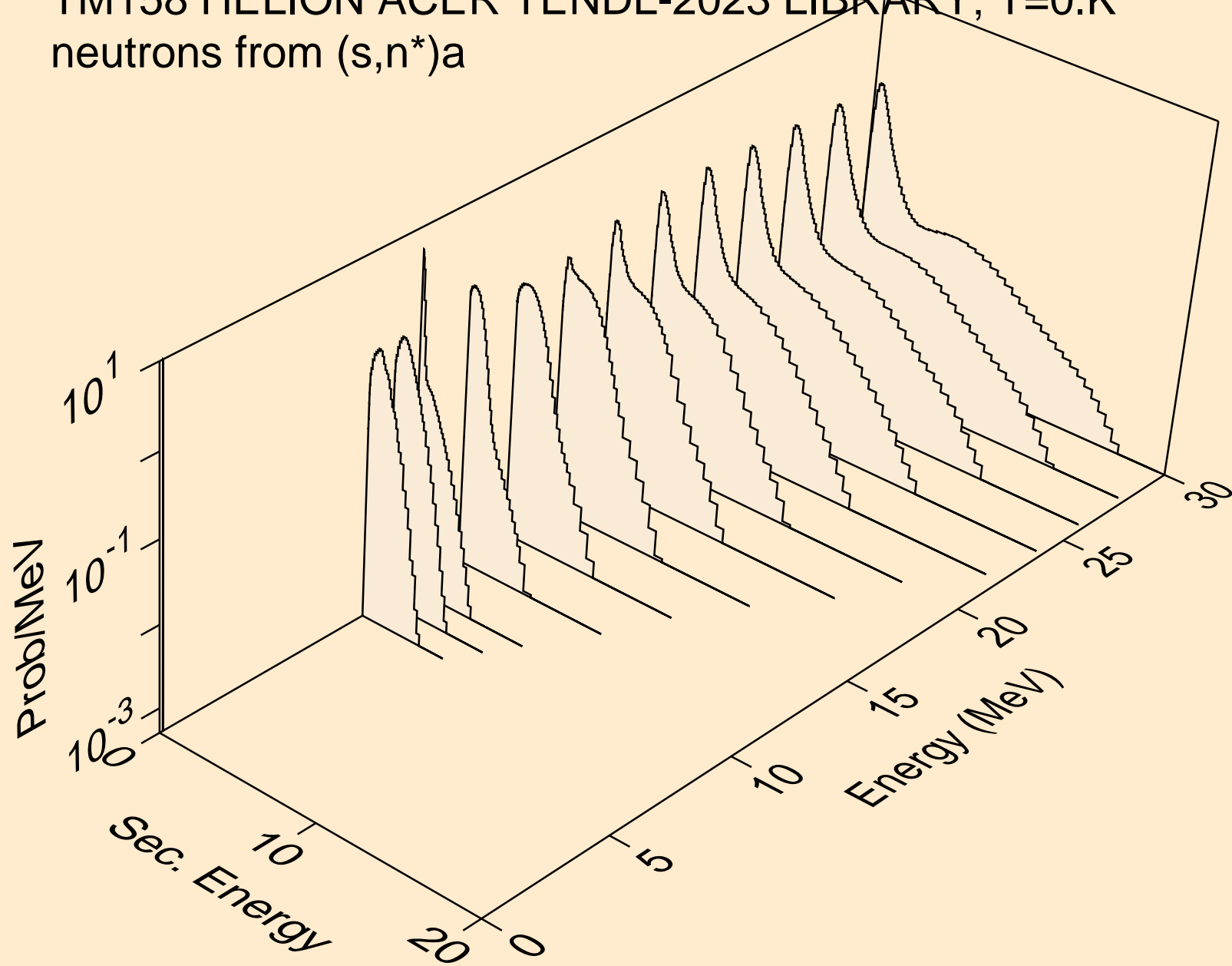
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)



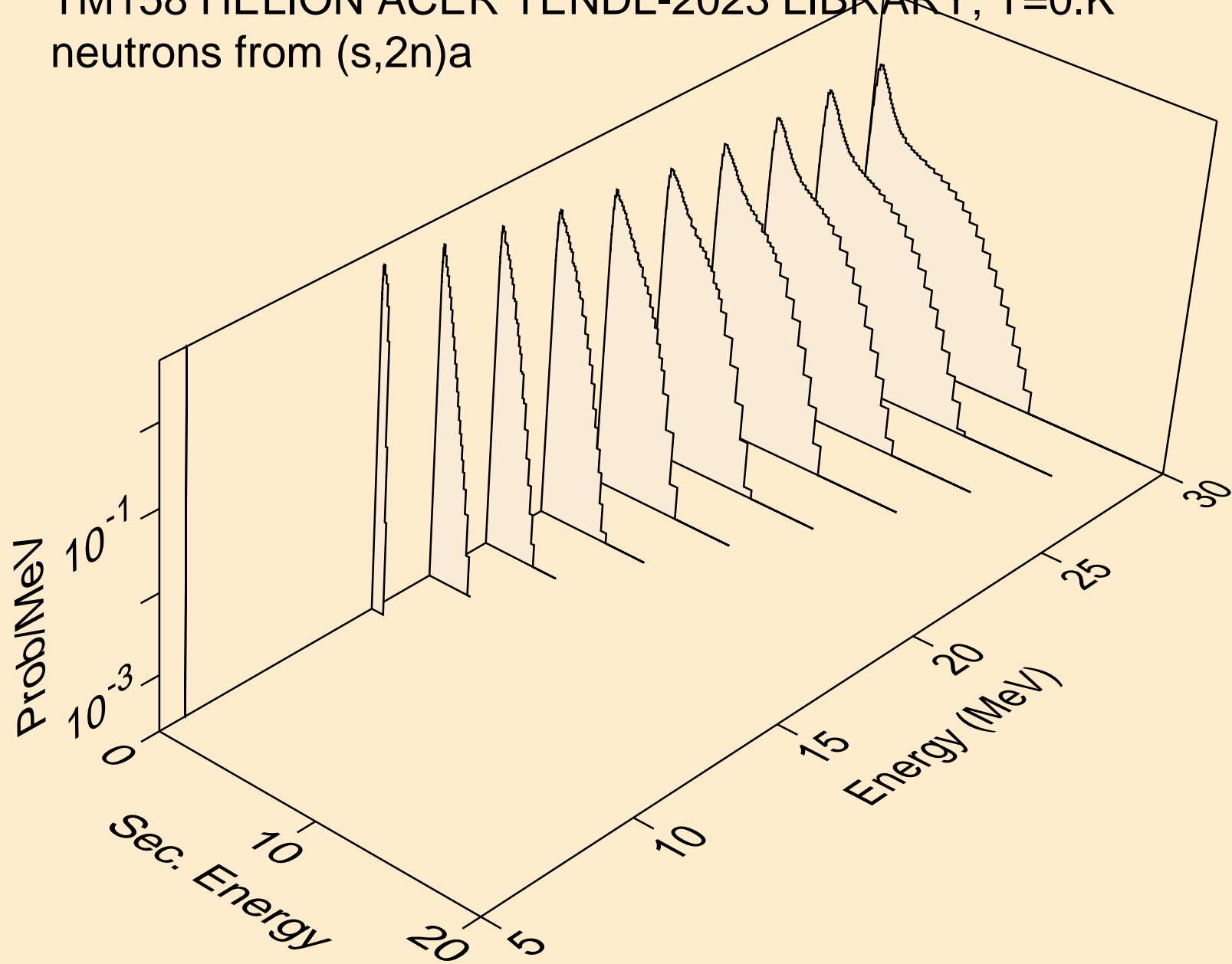
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3n)



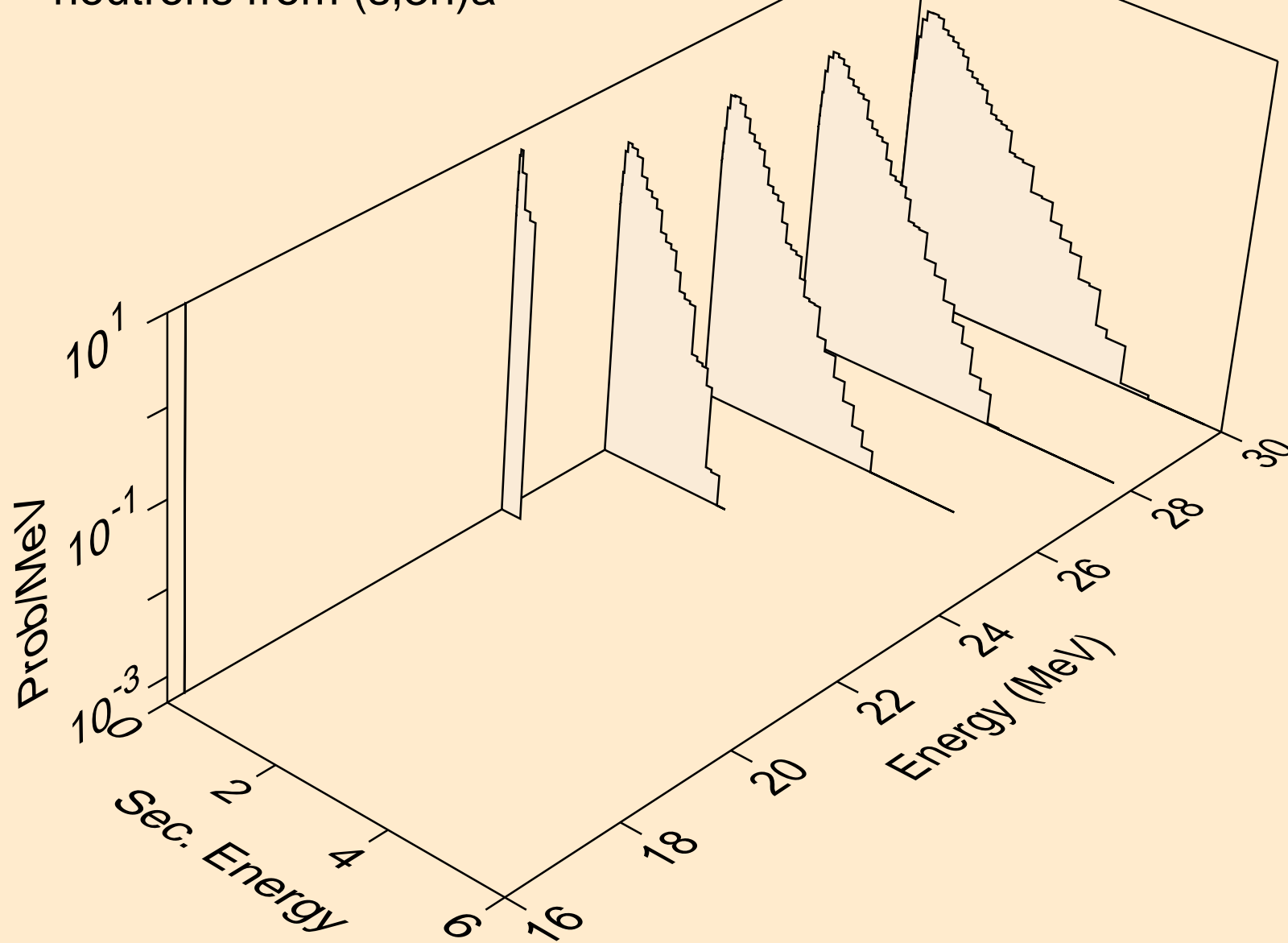
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a



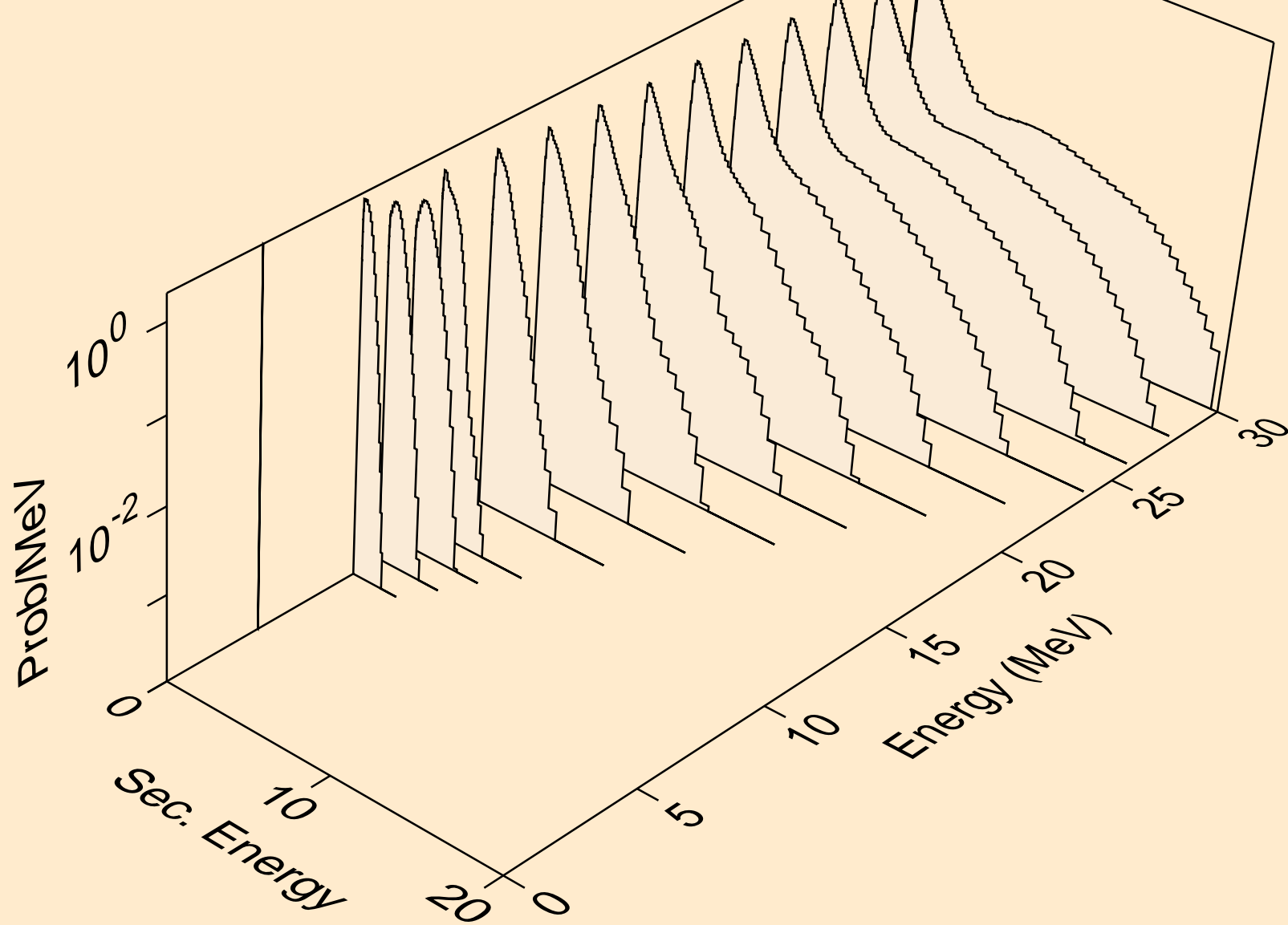
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neutrons from (s,2n)a



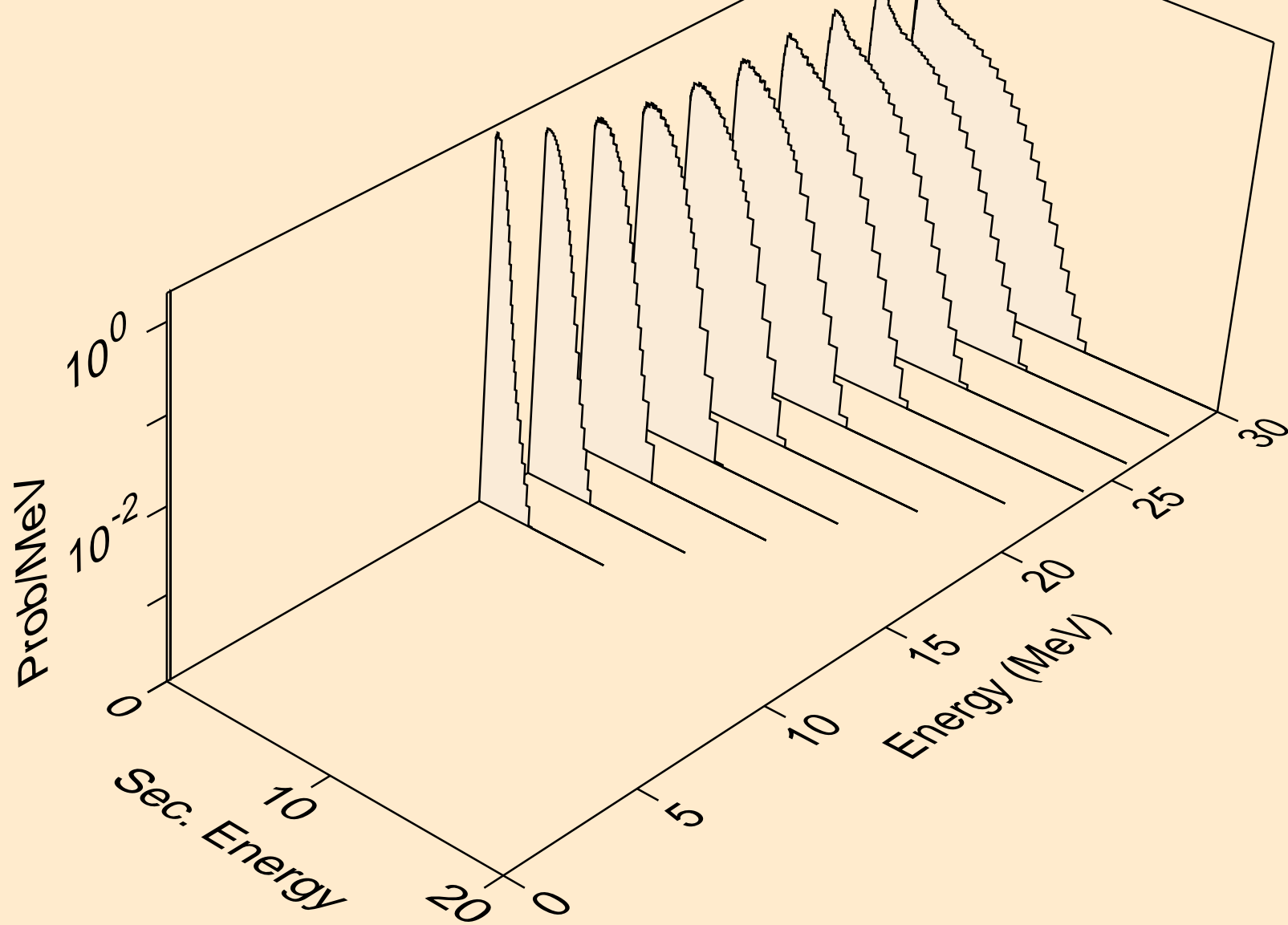
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3n)a



TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)p

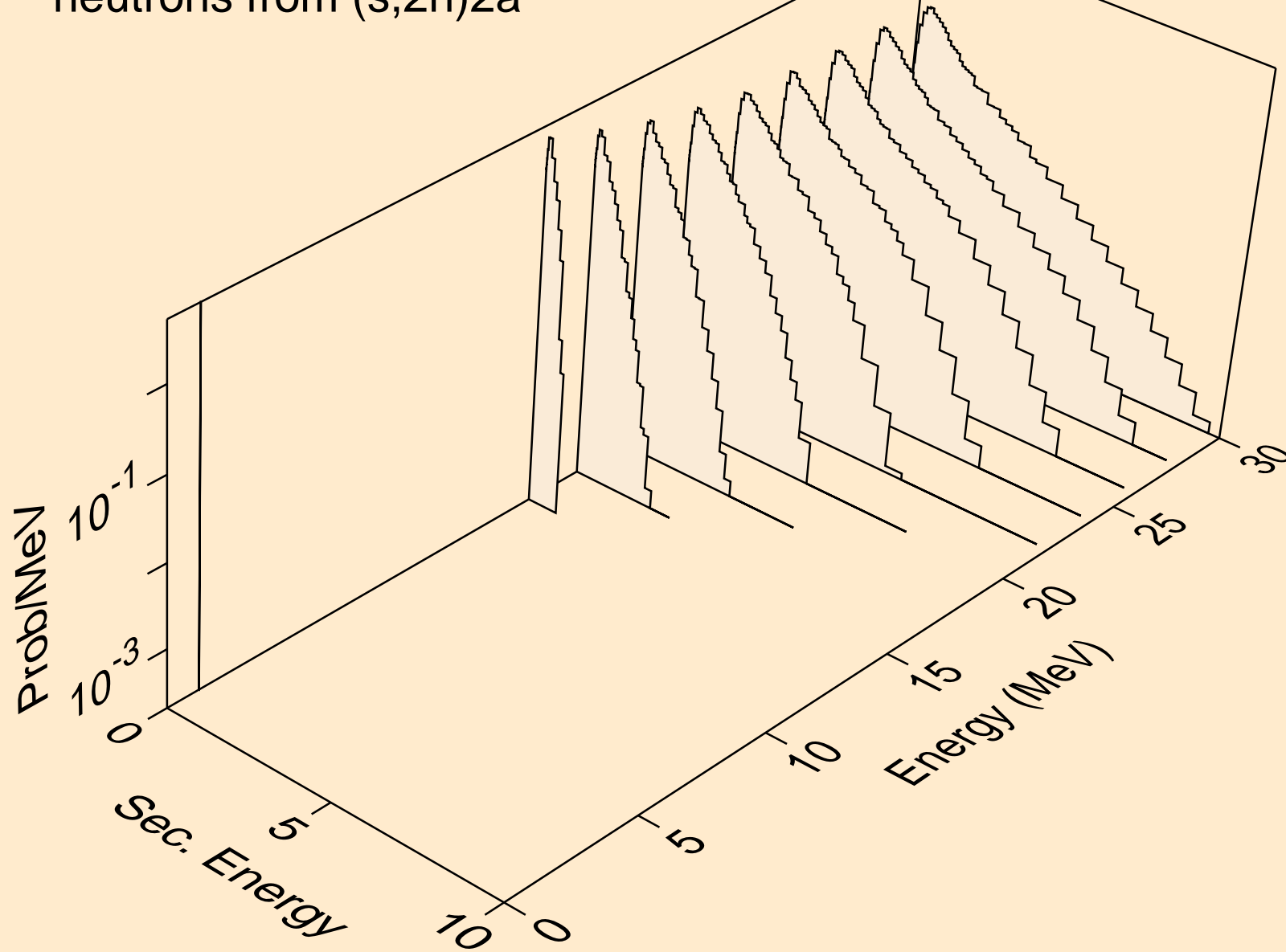


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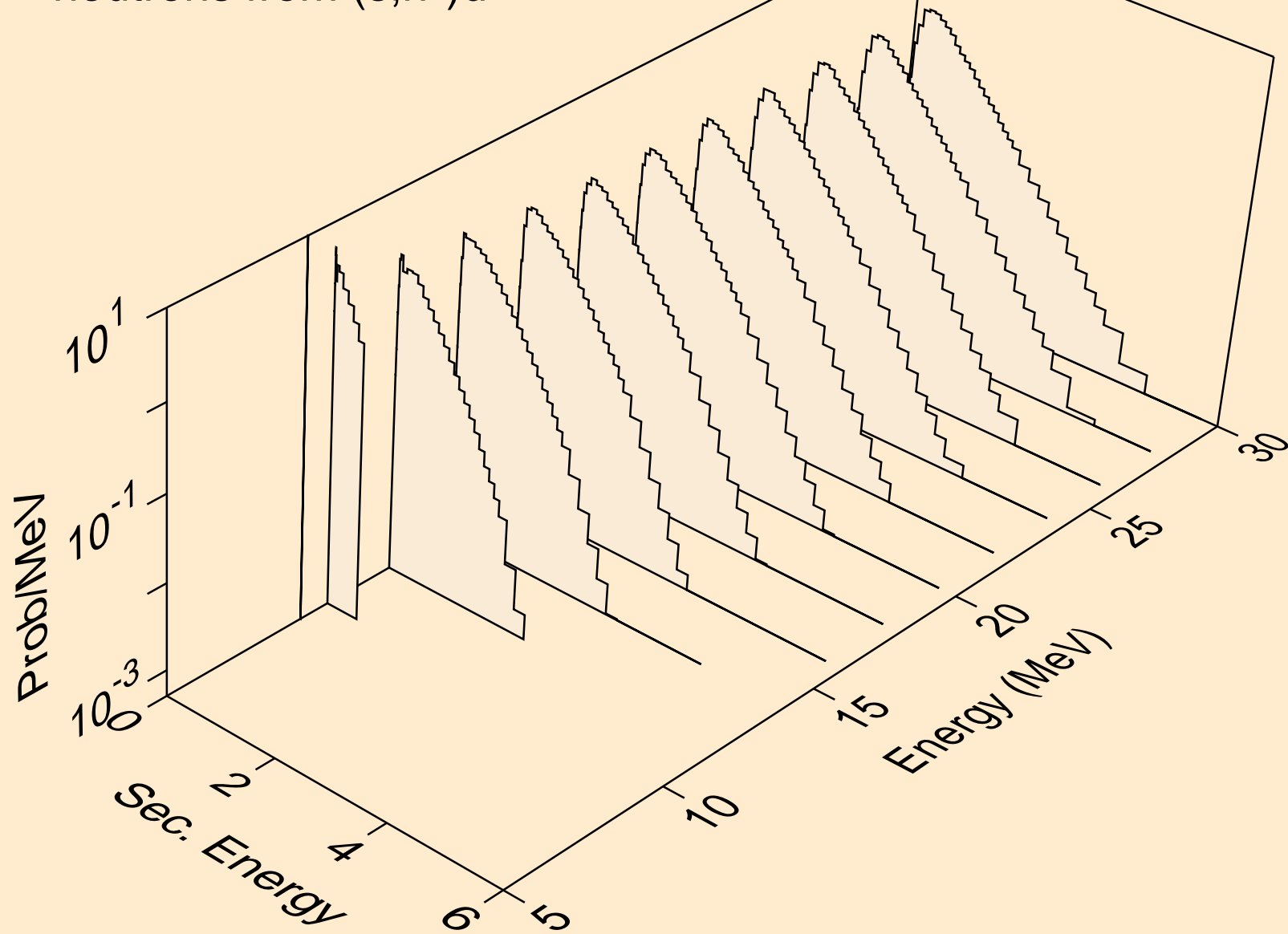




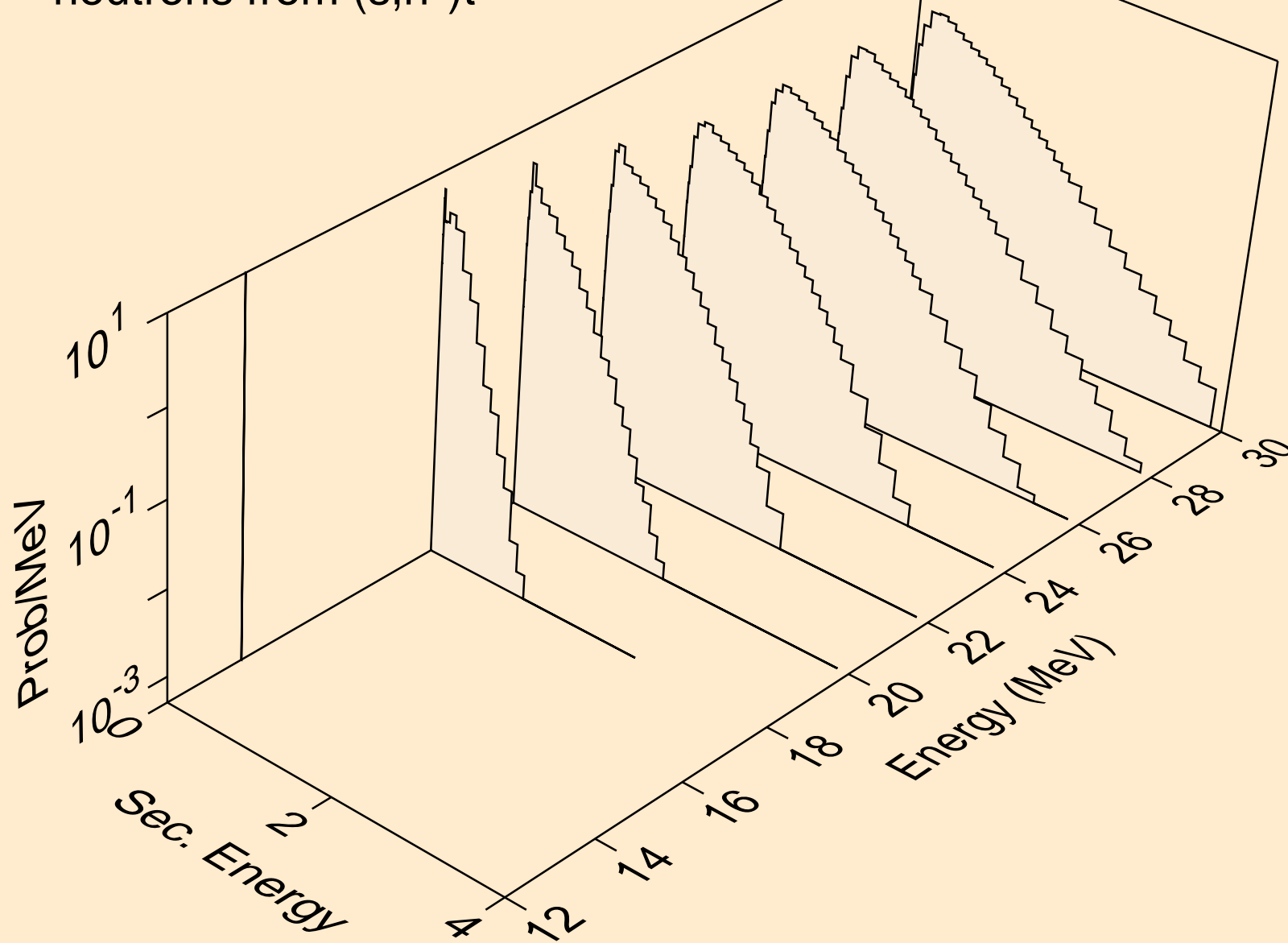
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neutrons from (s,2n)2a



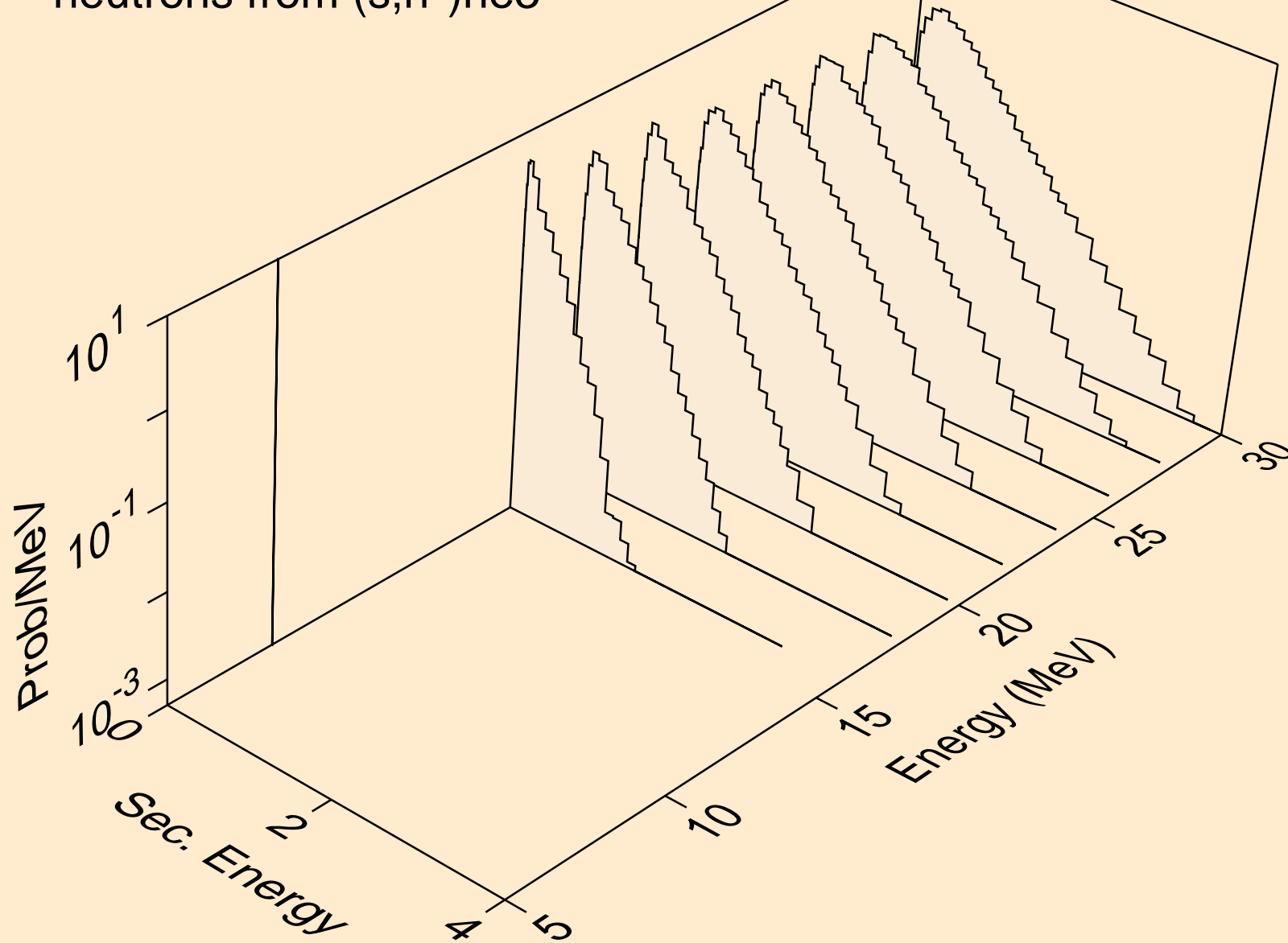
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neutrons from (s,n\*)d



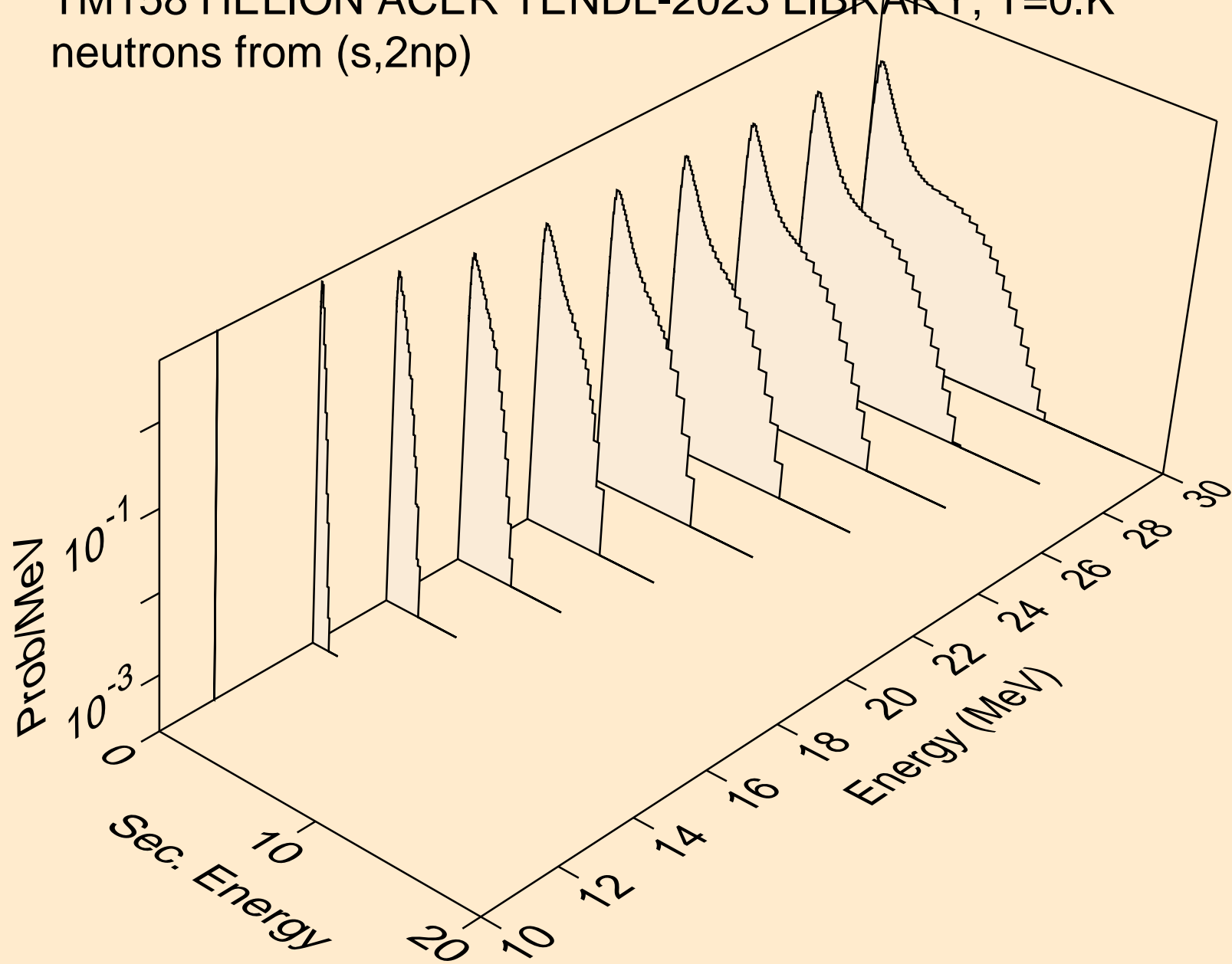
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)t



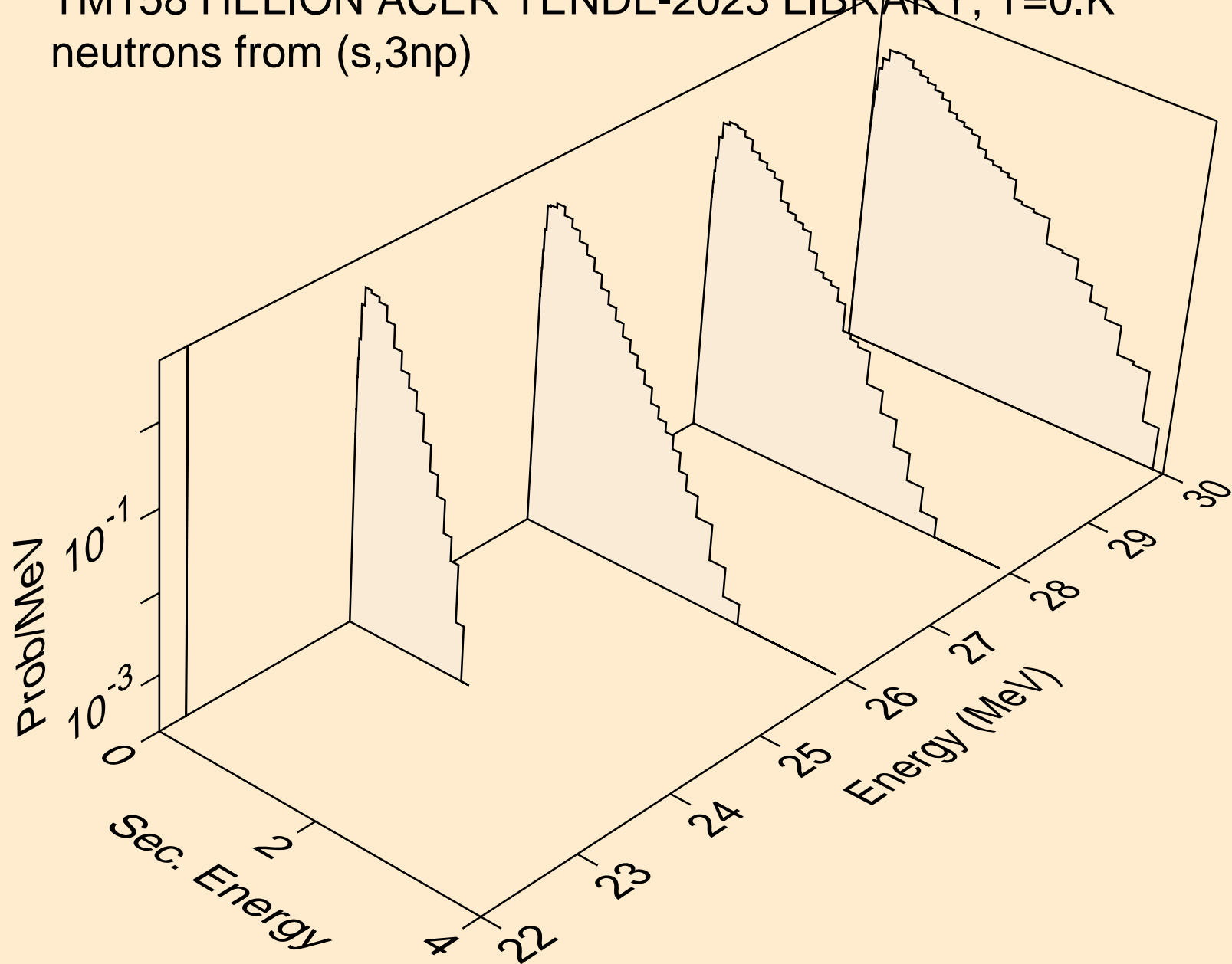
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)he3



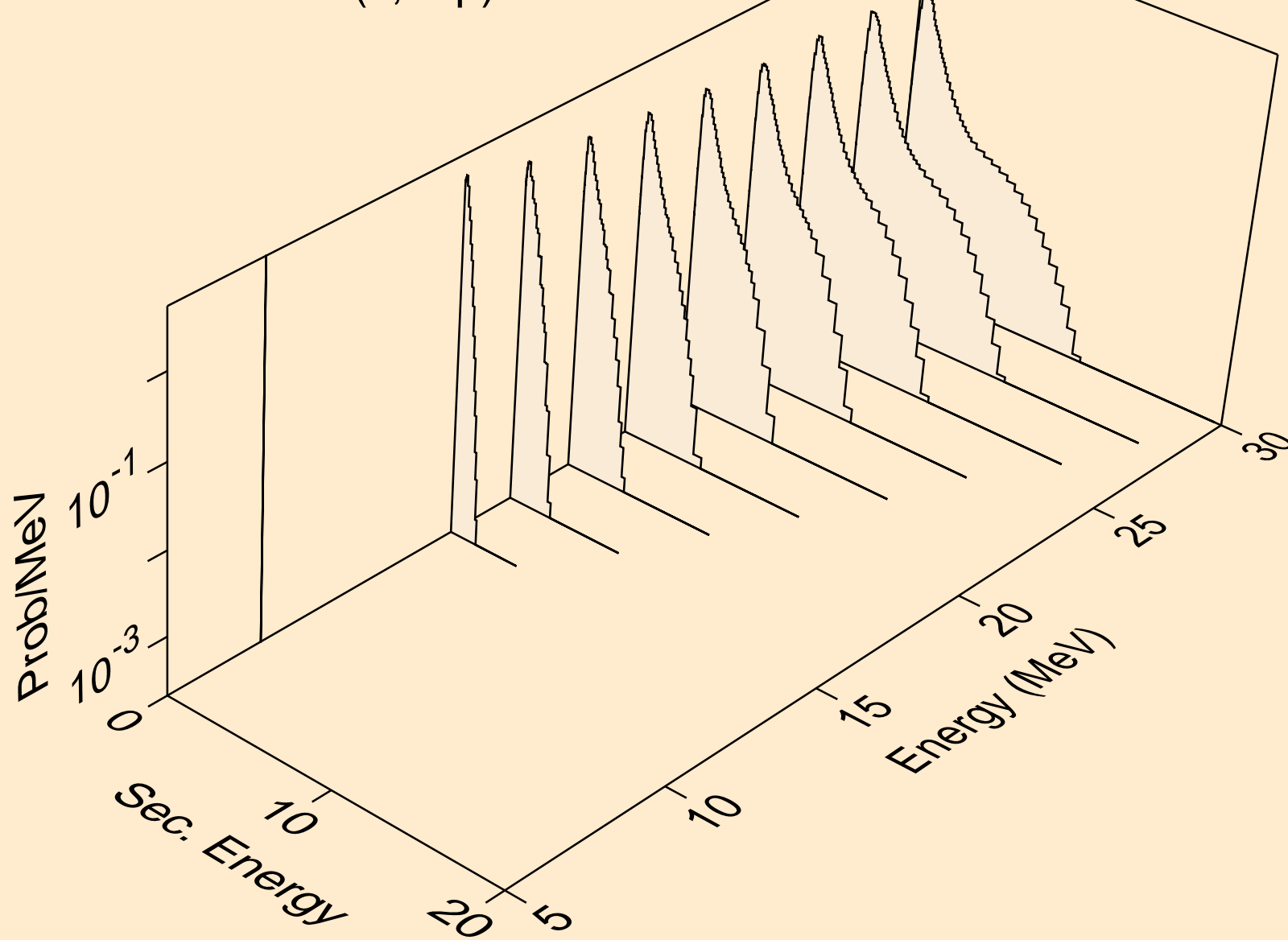
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2np)



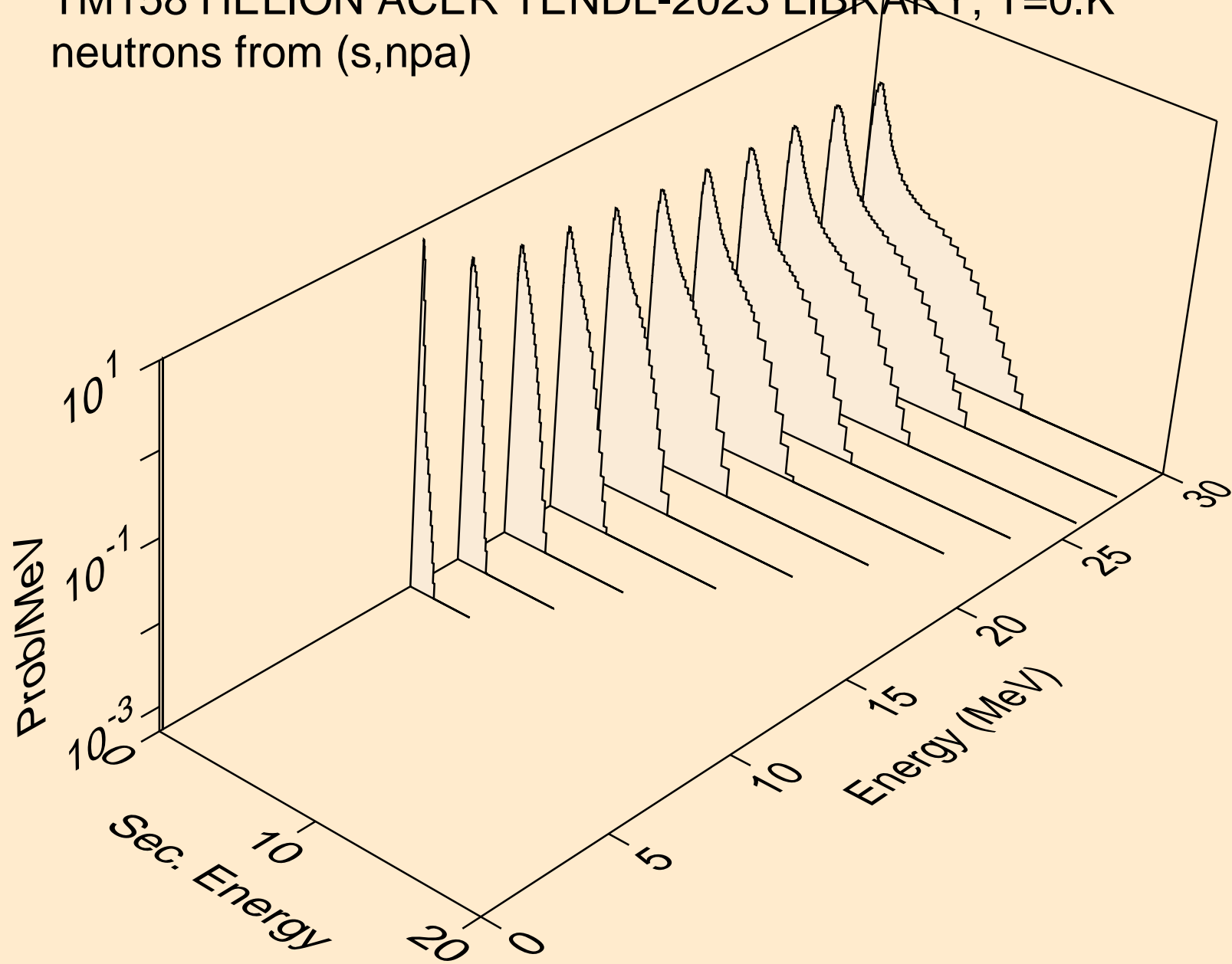
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3np)



TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n2p)

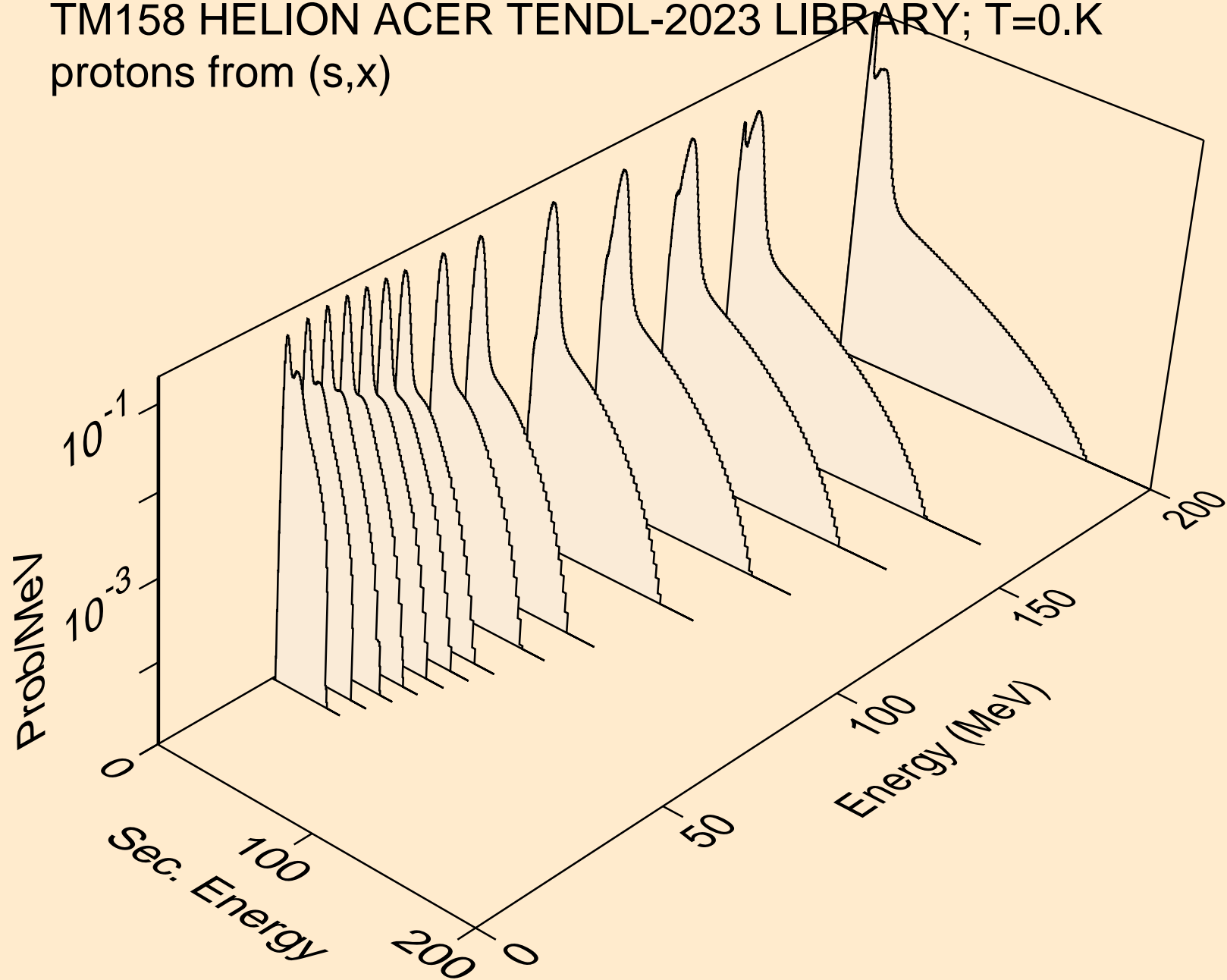


TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,npa)

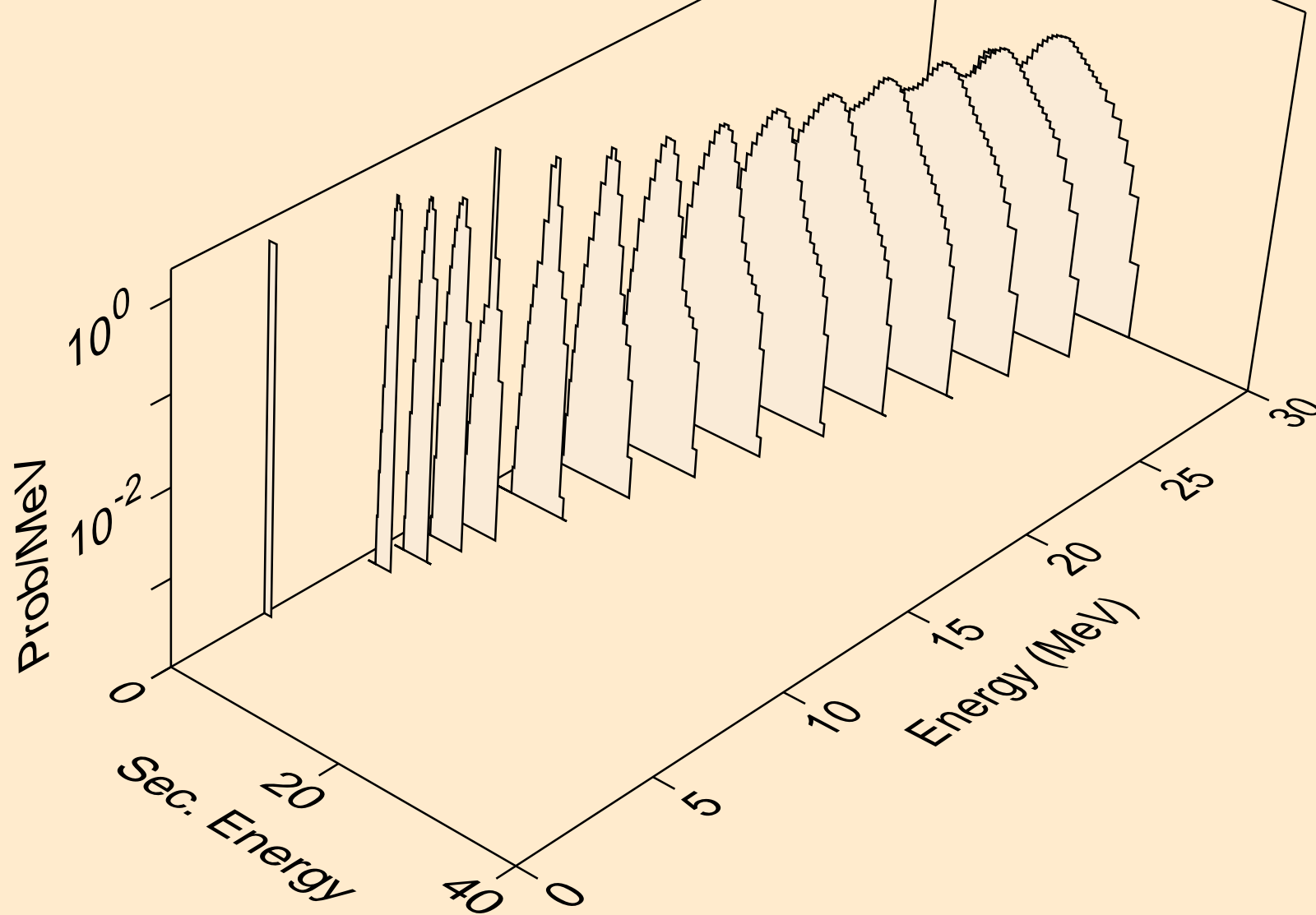




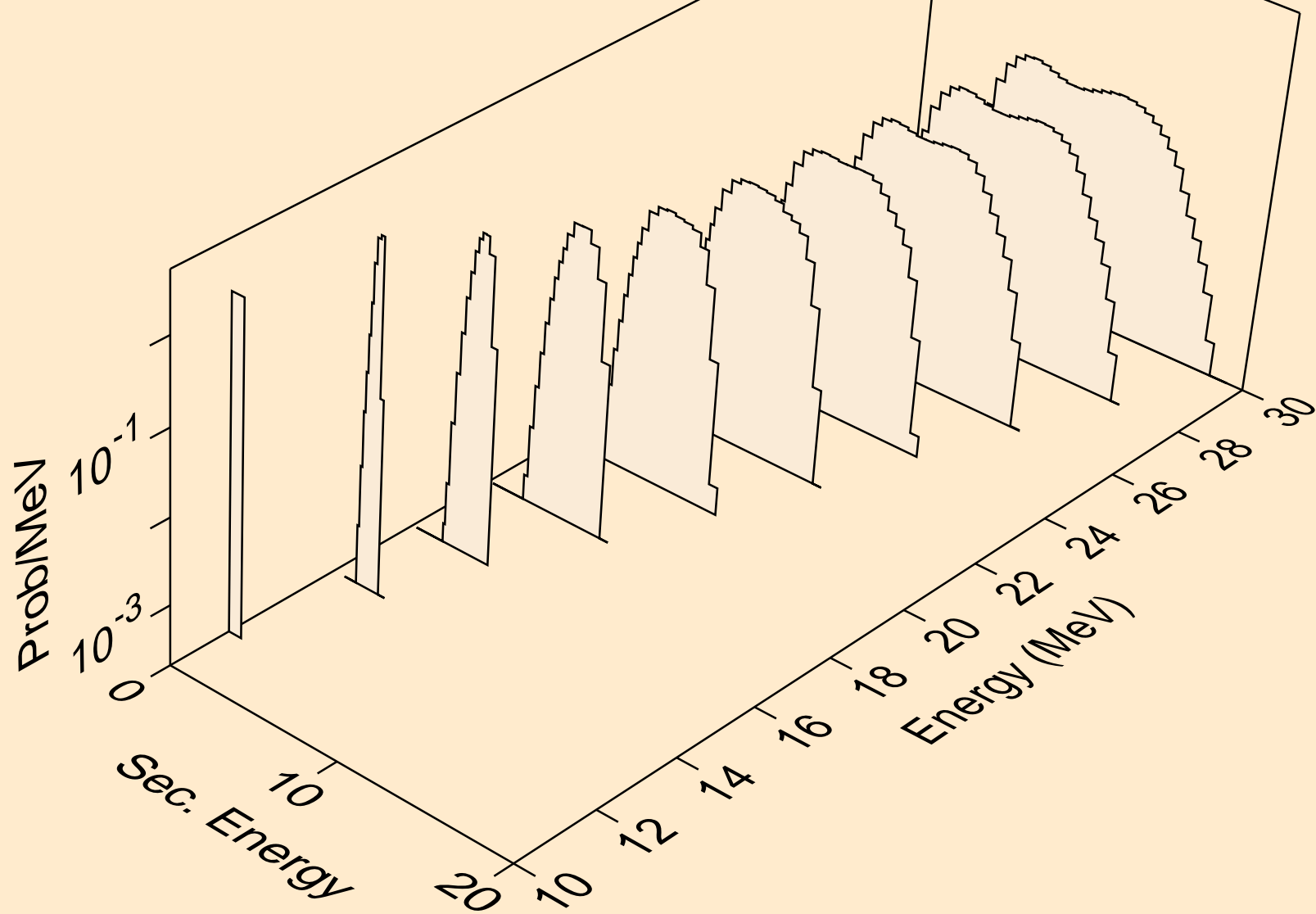
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,x)



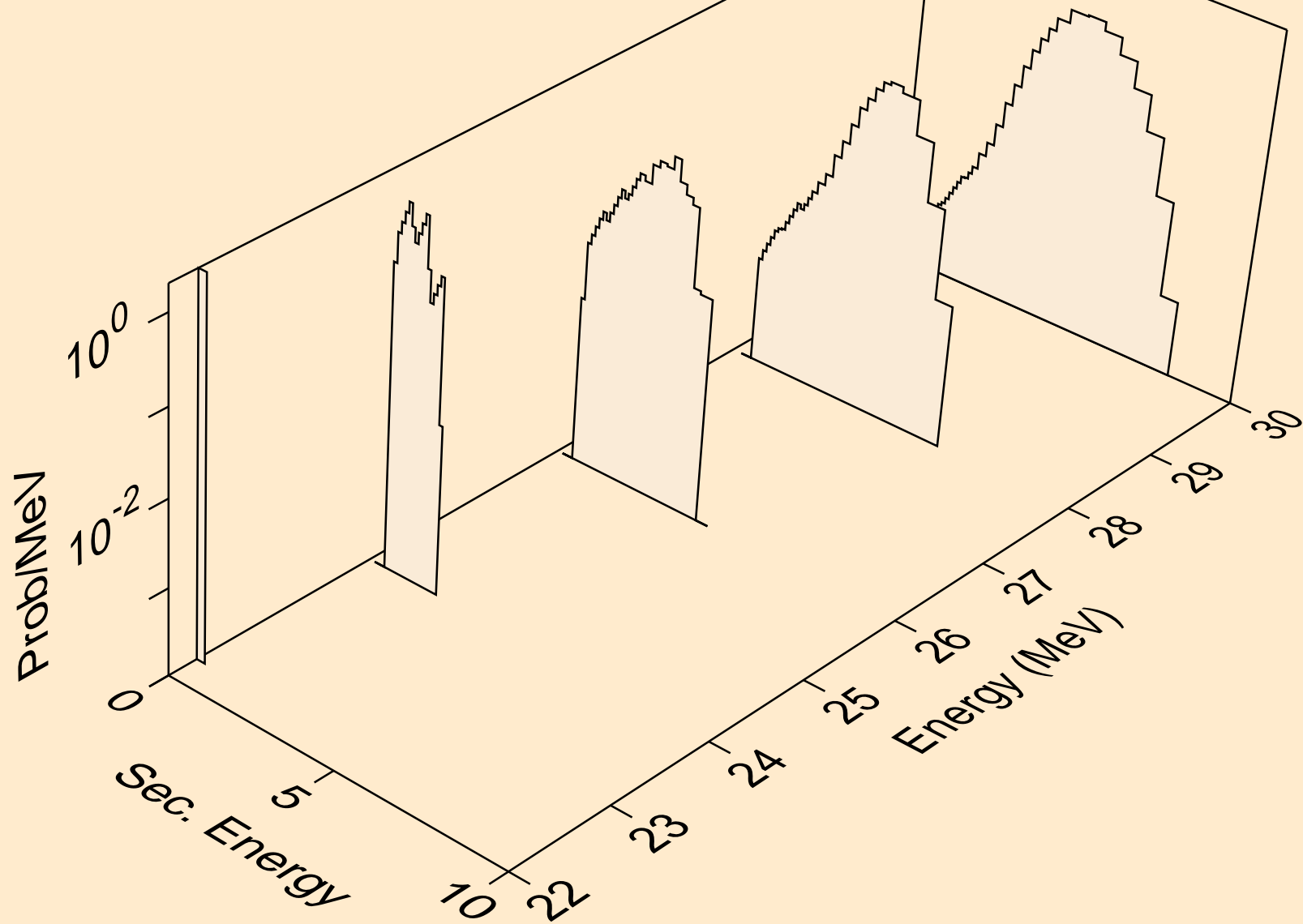
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protons from (s,n\*)p



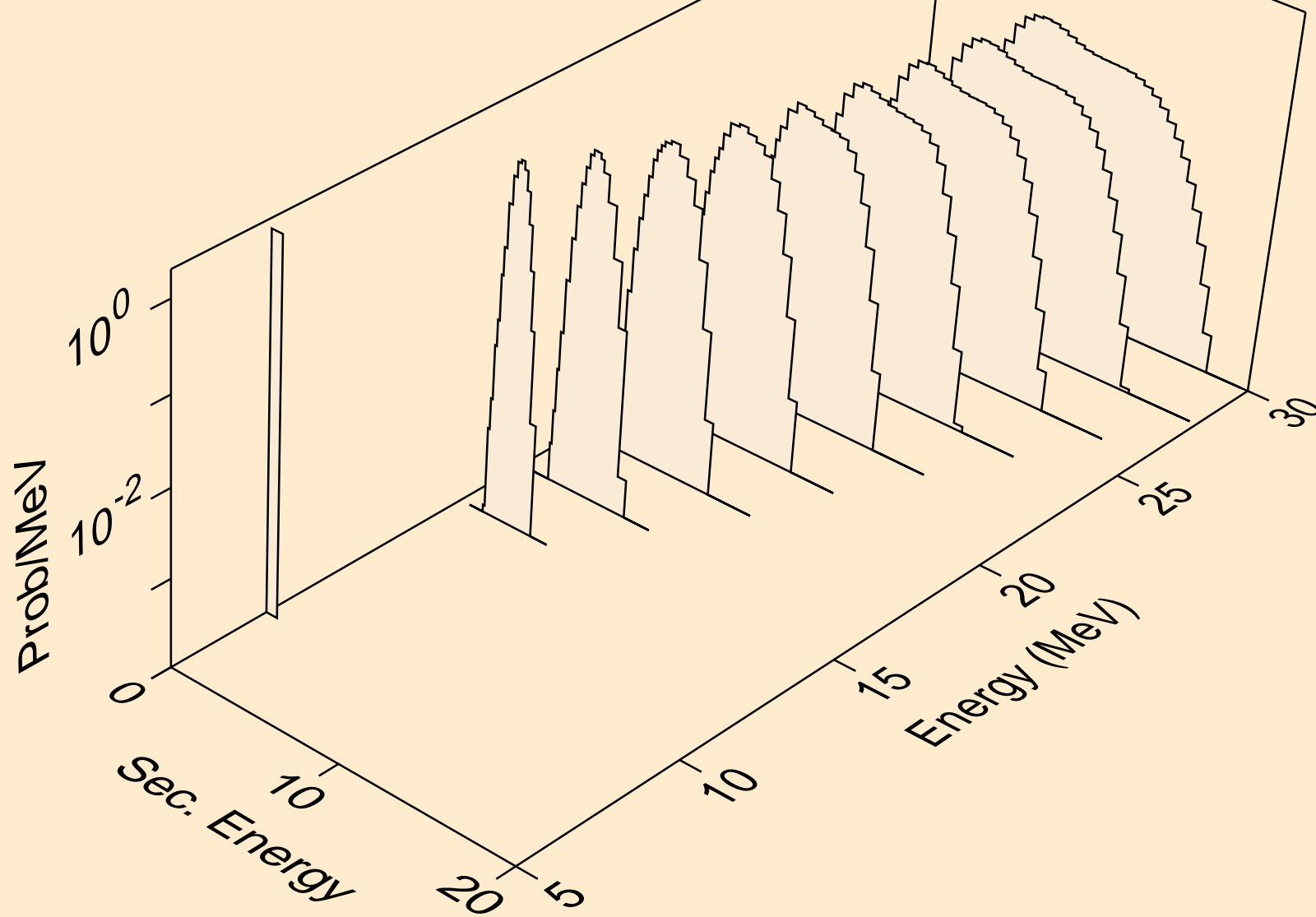
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protons from (s,2np)



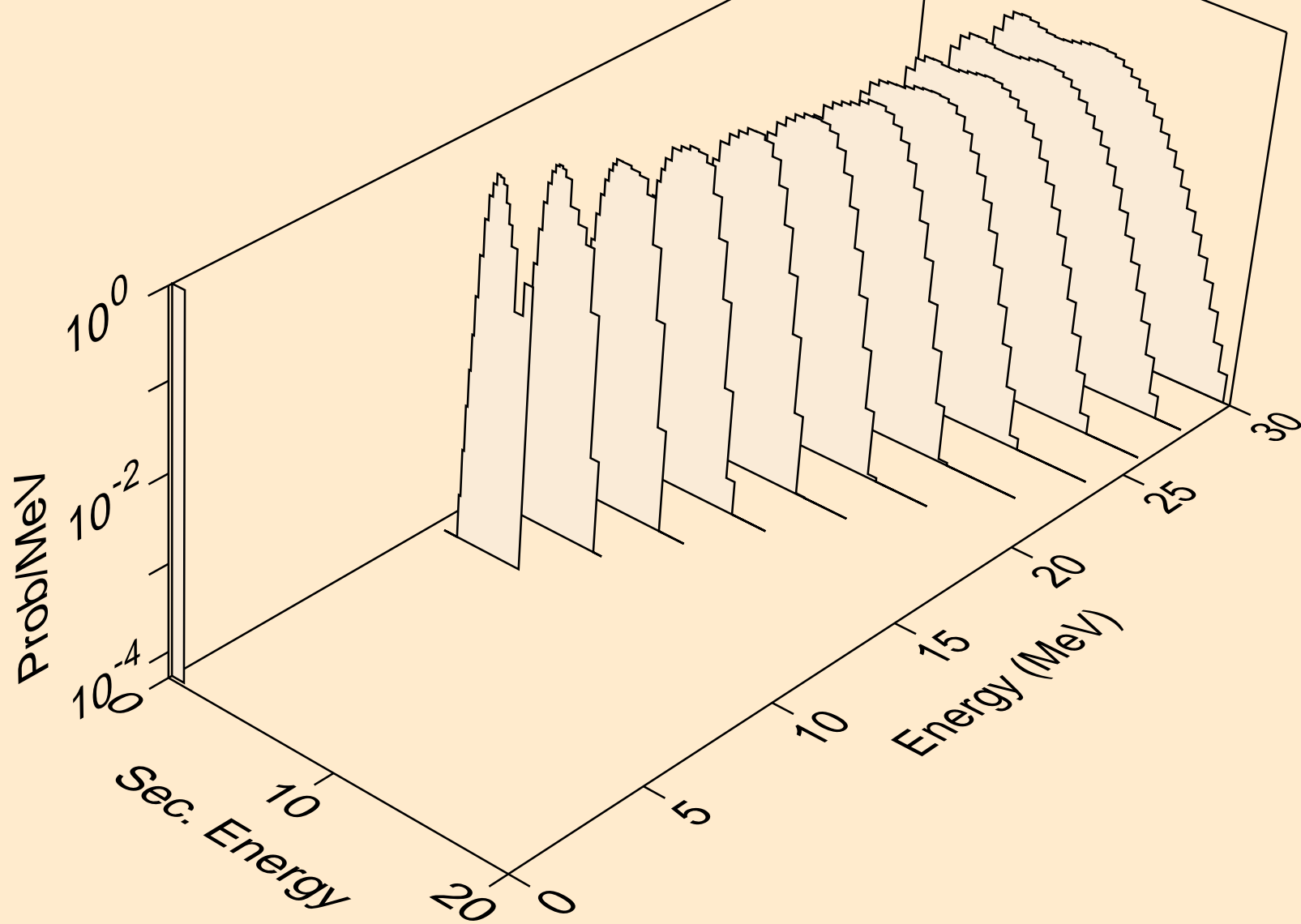
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protons from (s,3np)



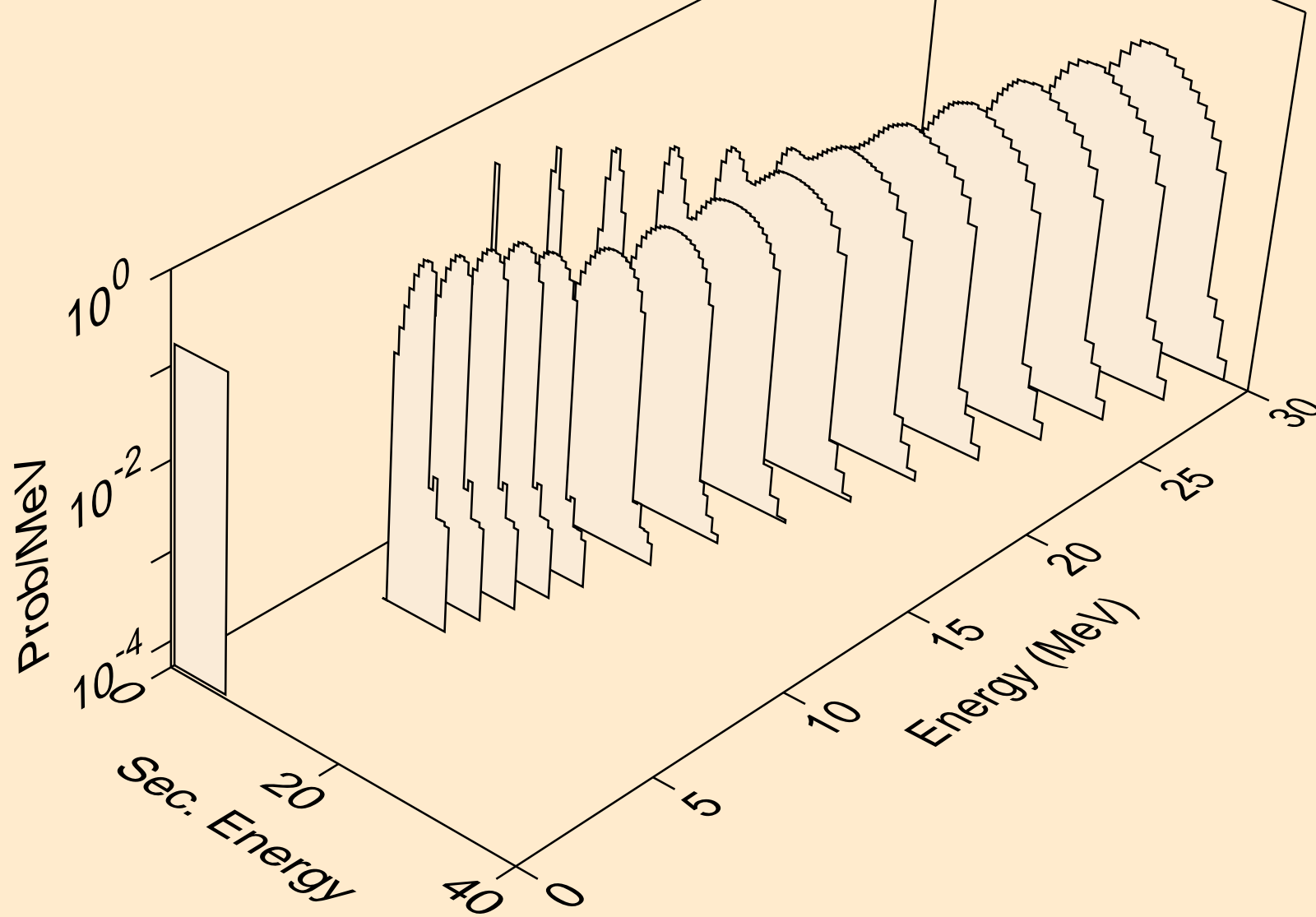
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protons from (s,n2p)



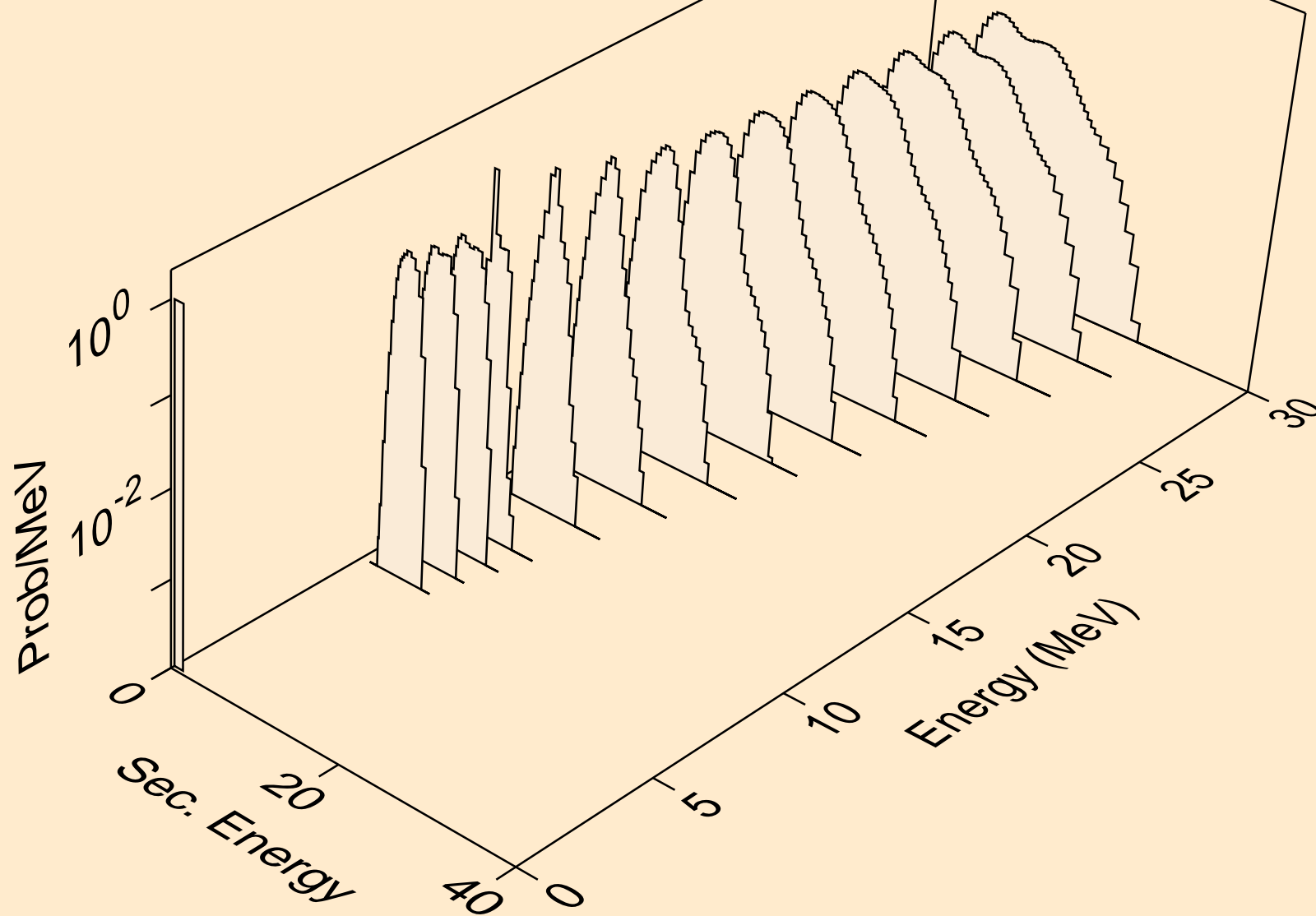
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,npa)



TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,p)

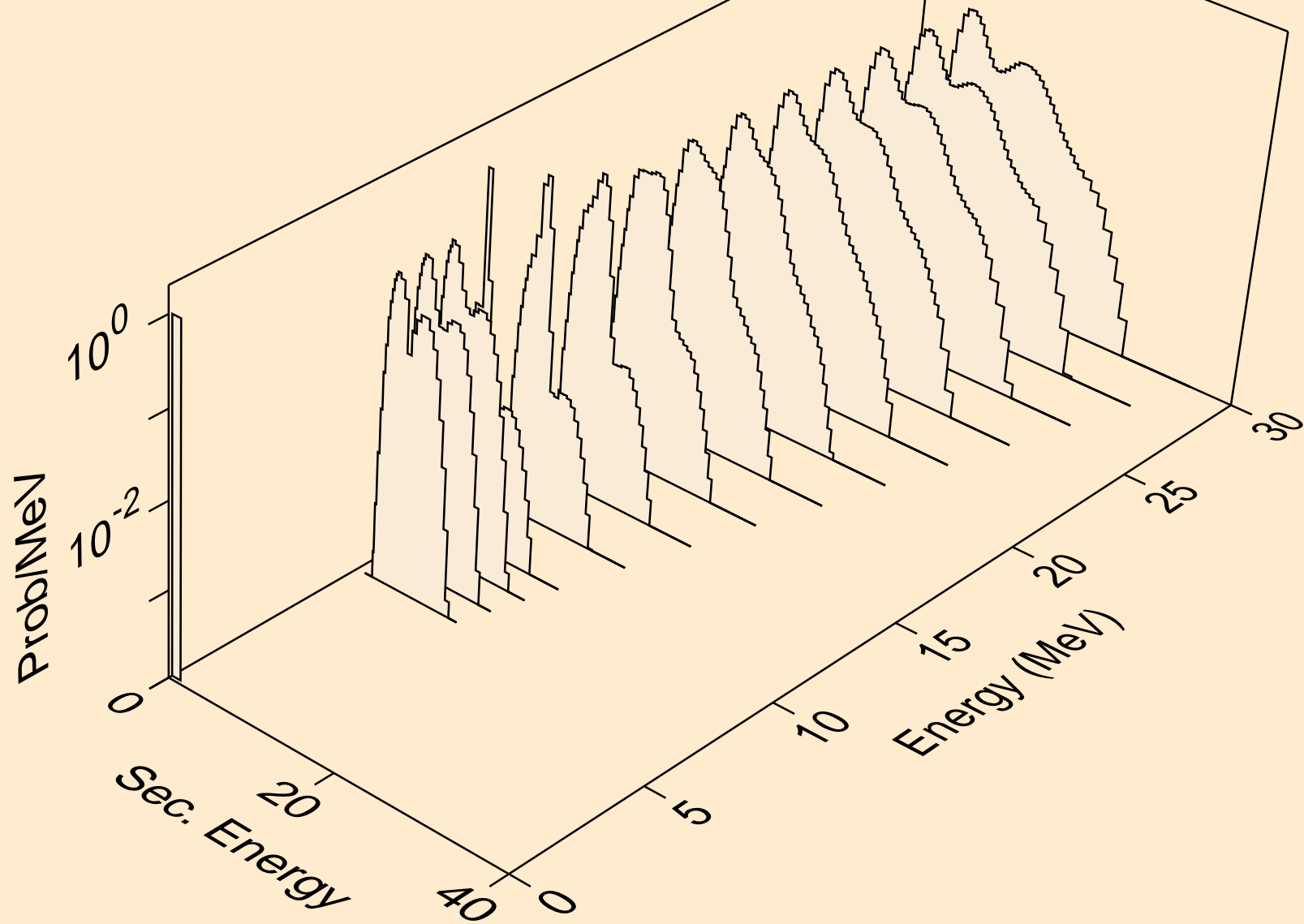


TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,2p)

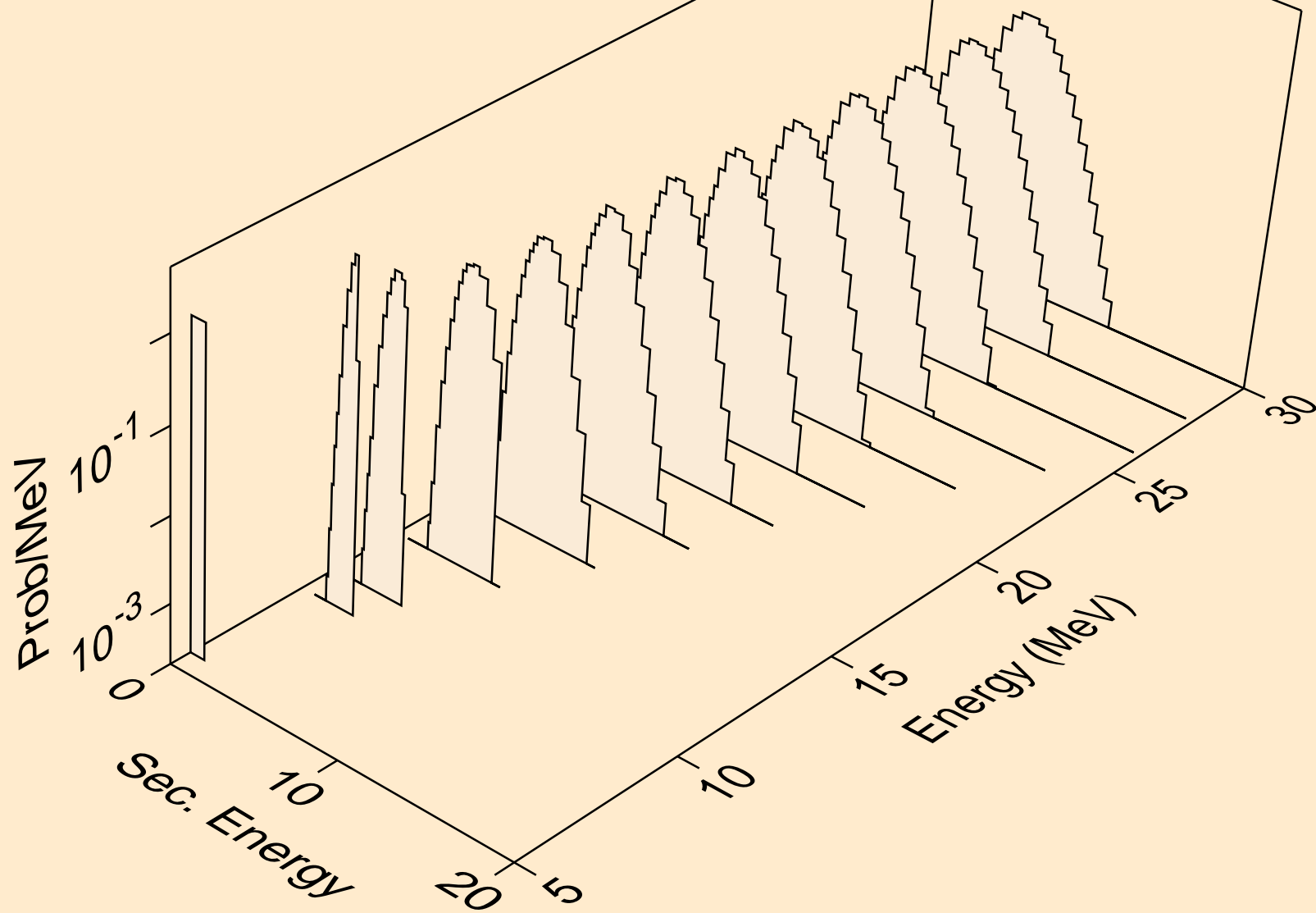




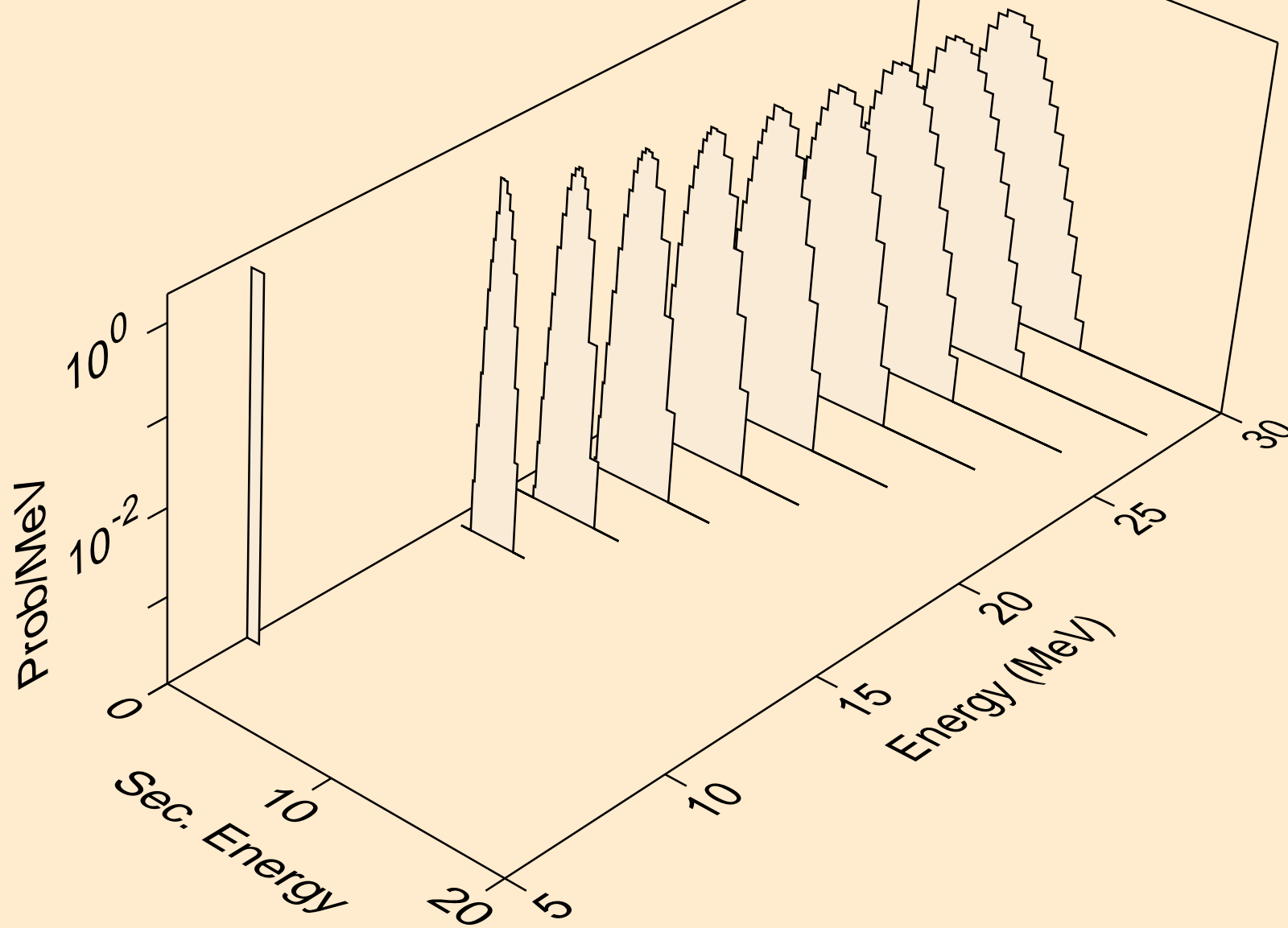
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pa)



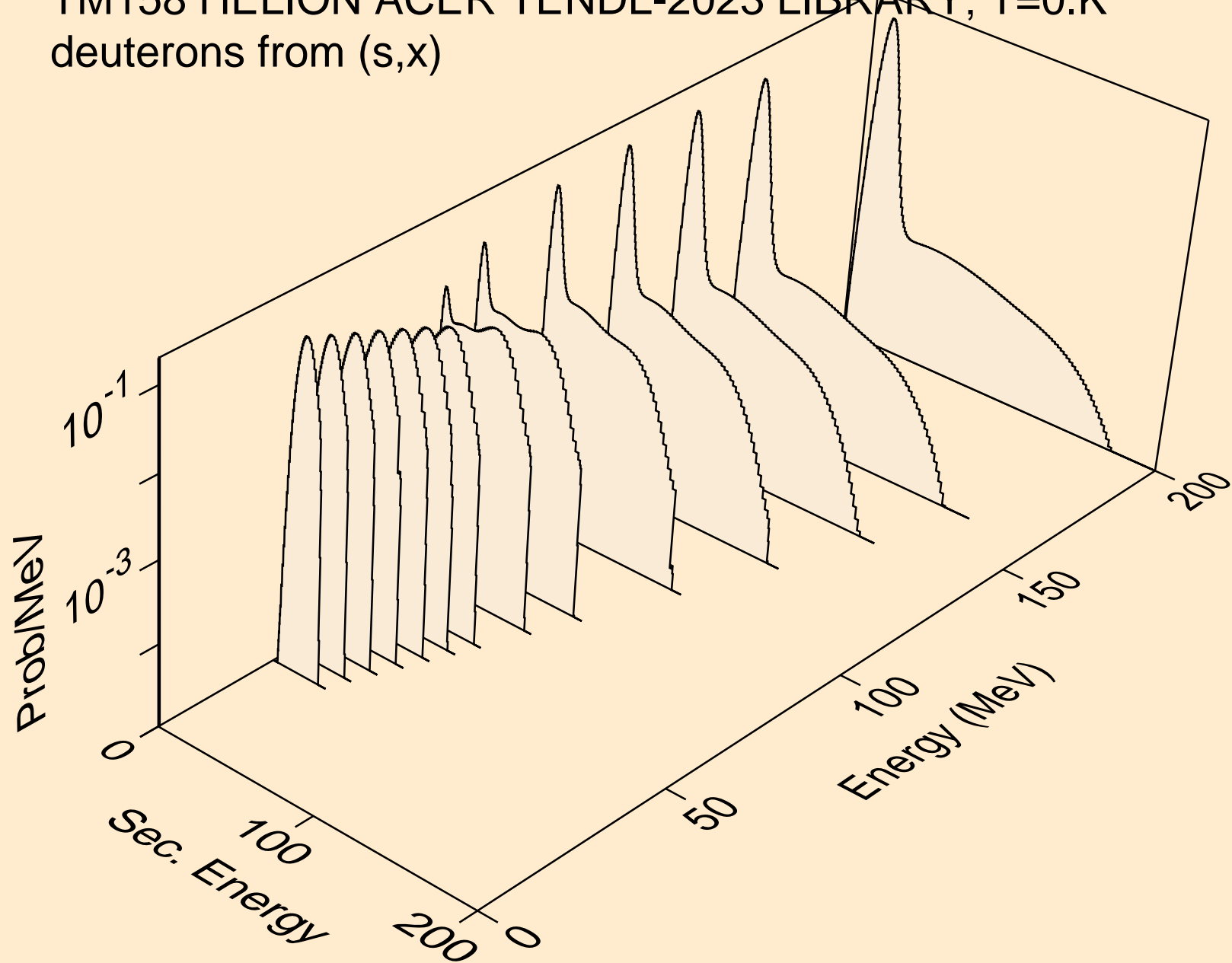
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pd)



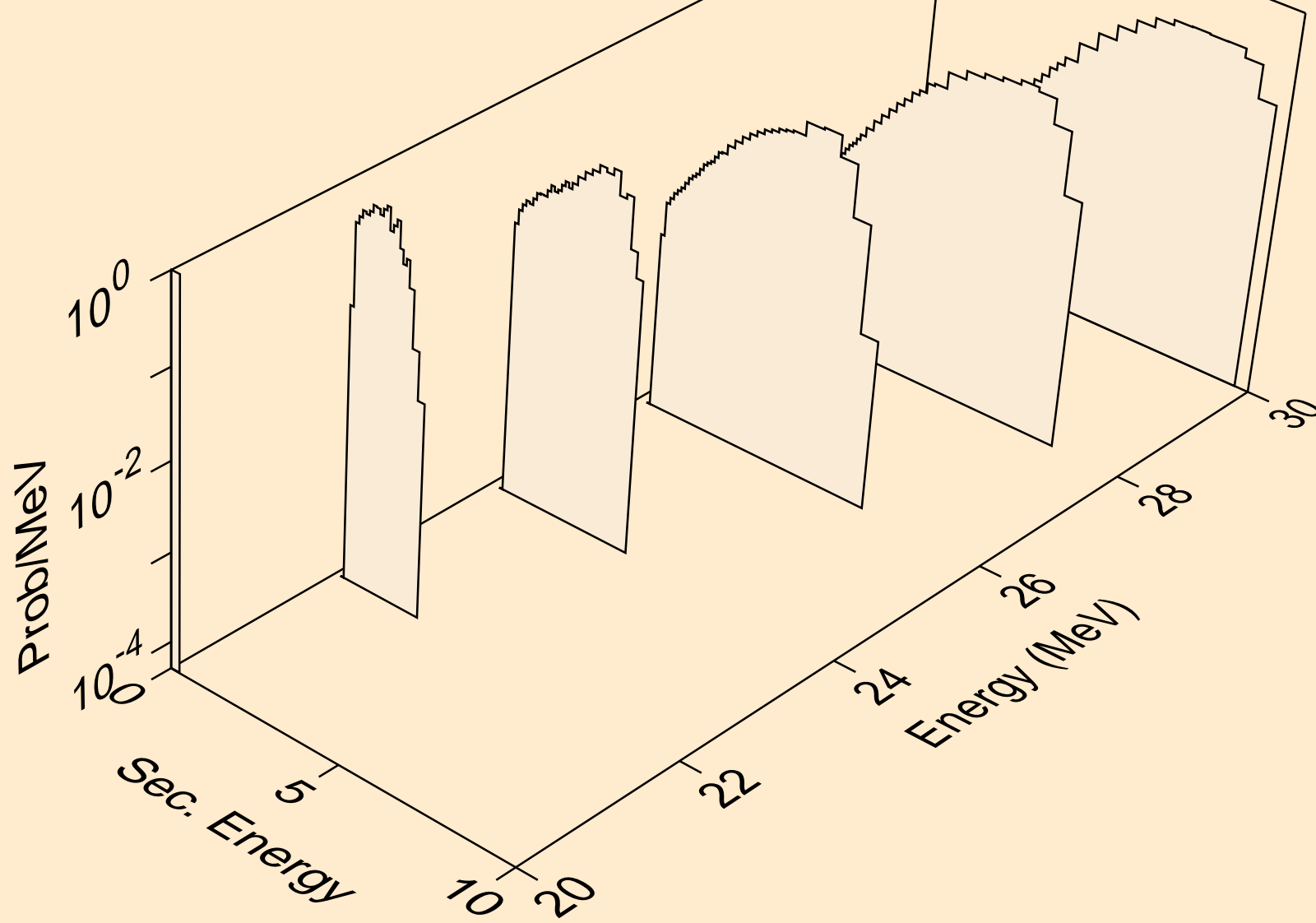
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protons from (s,pt)



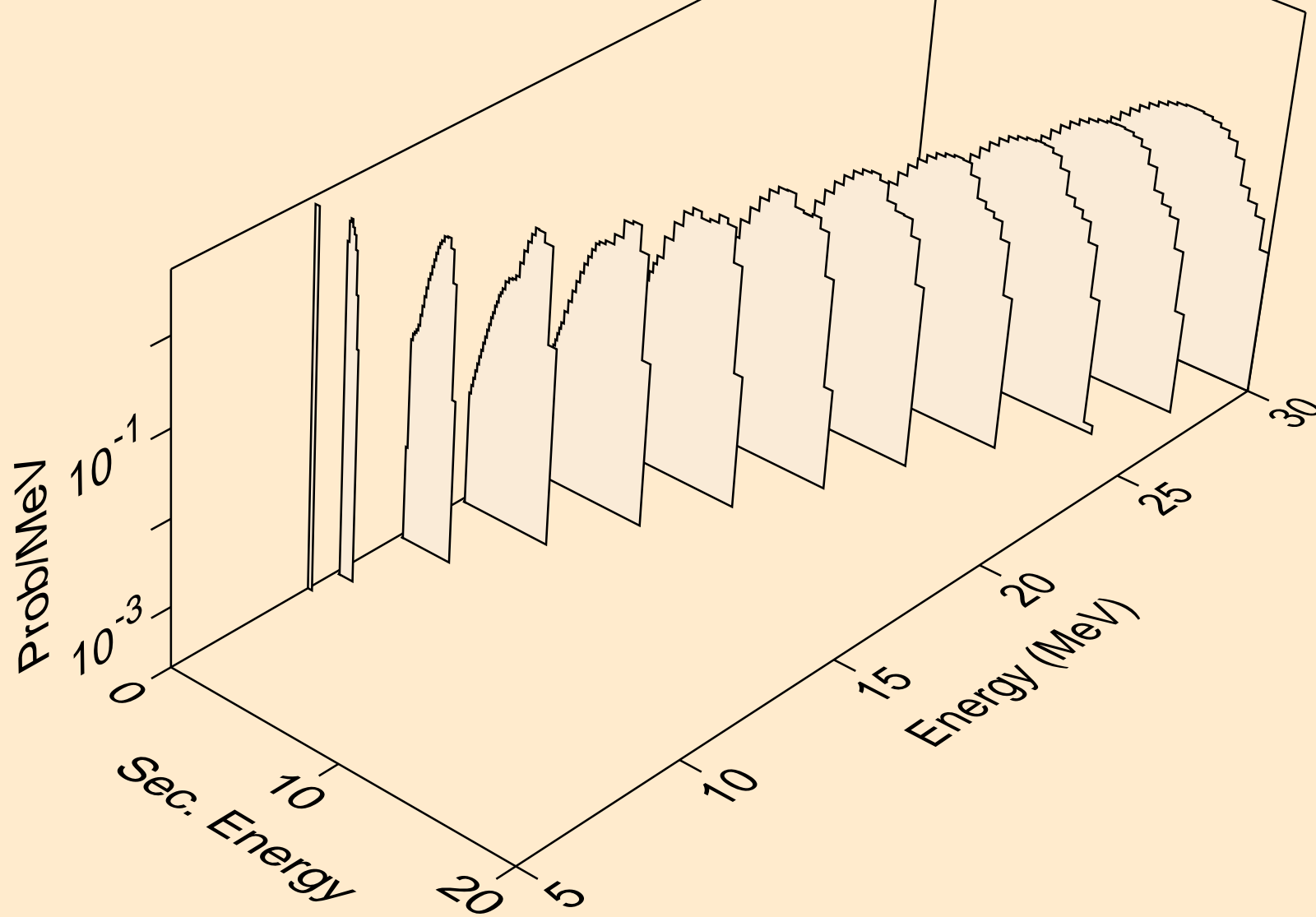
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,x)



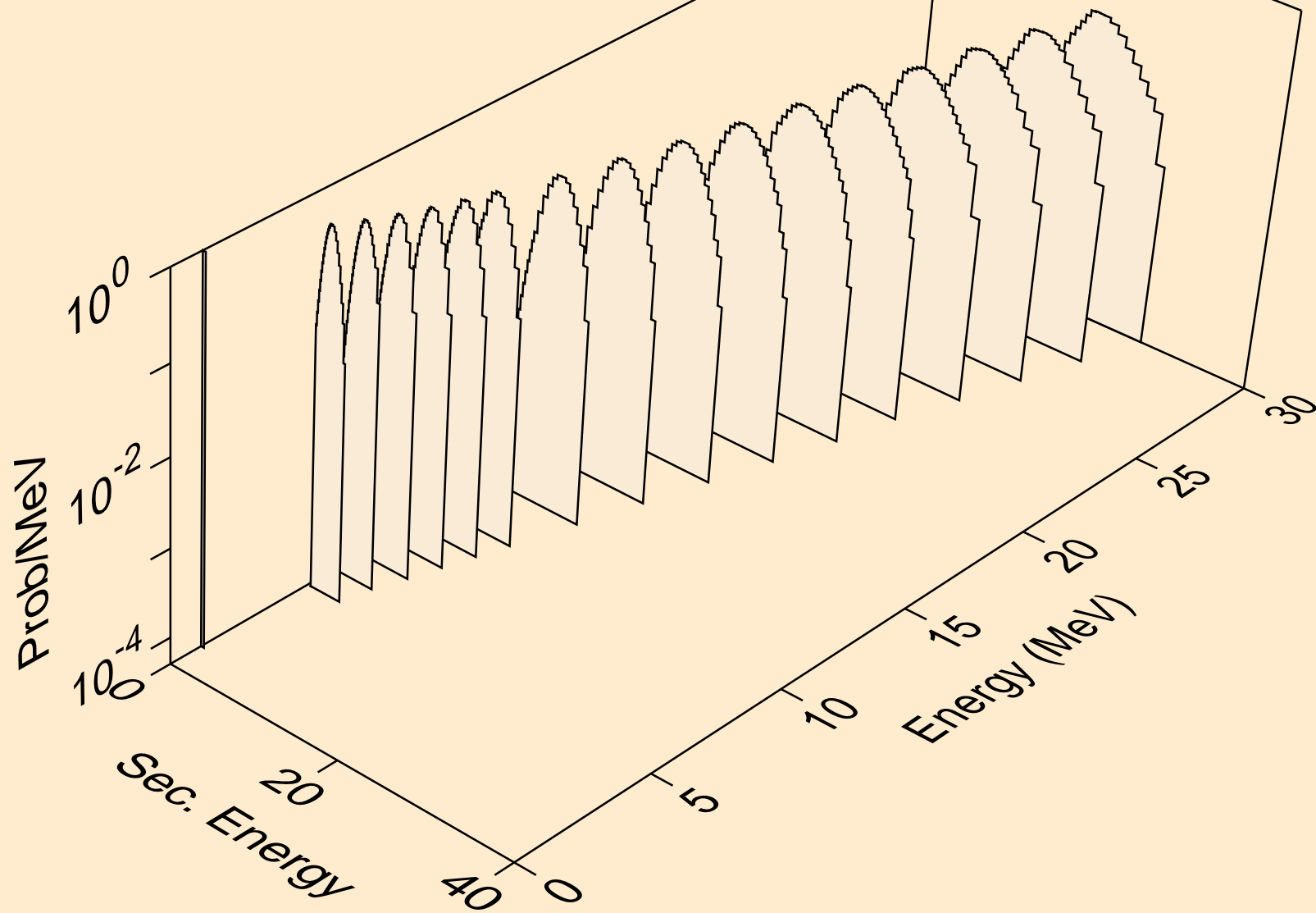
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deuterons from (s,2nd)



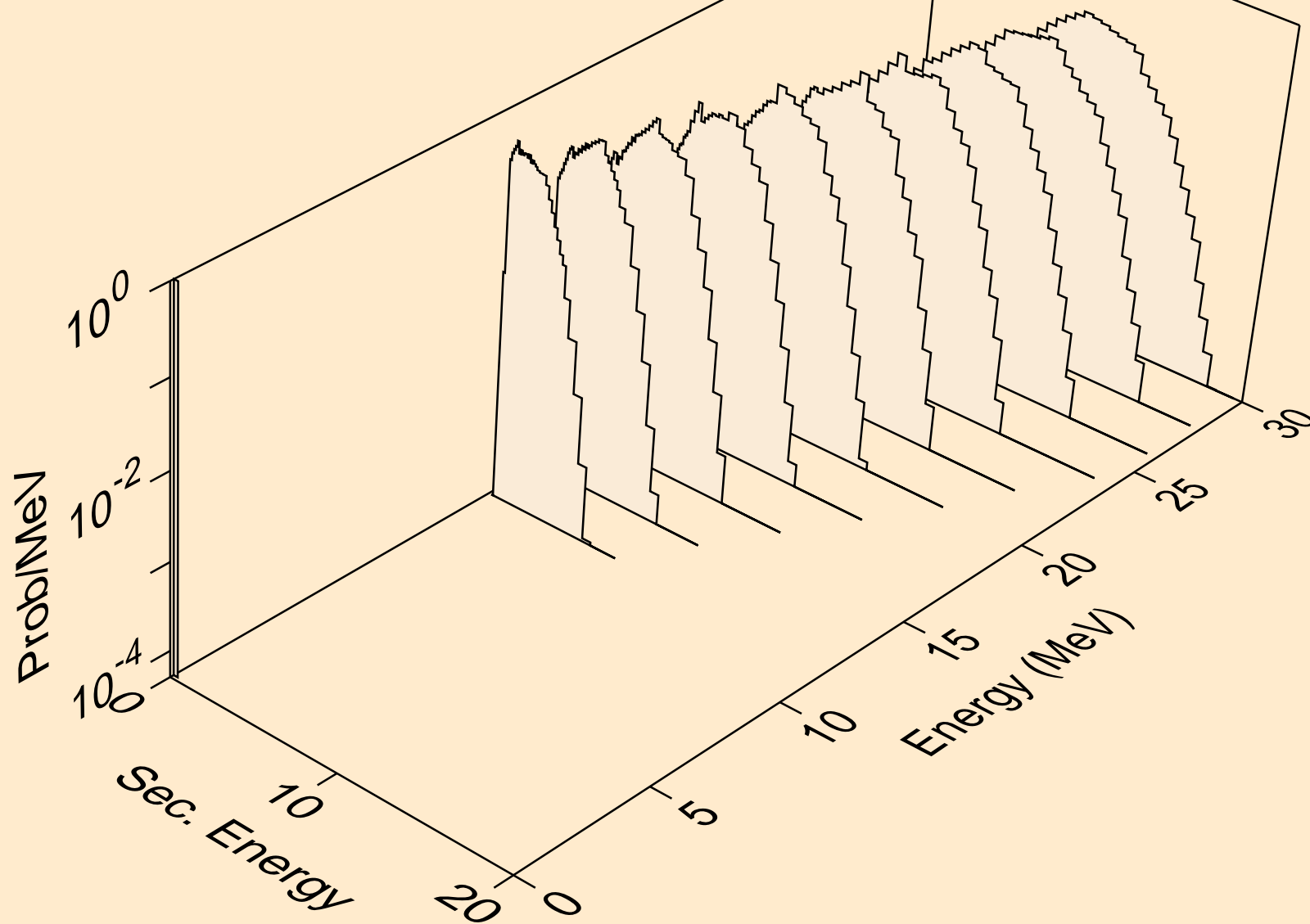
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,n\*)d



TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,d)

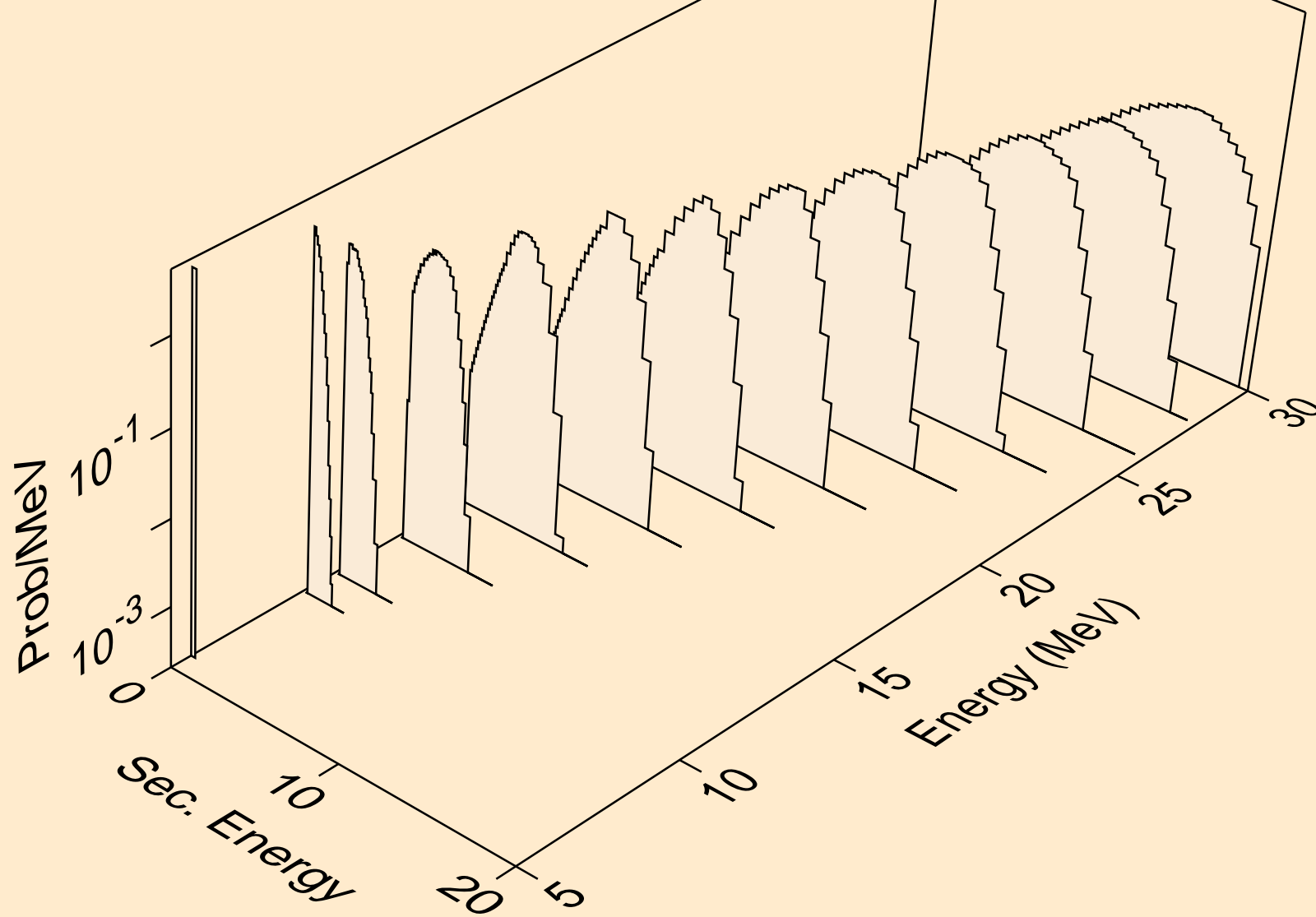


TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,d2a)

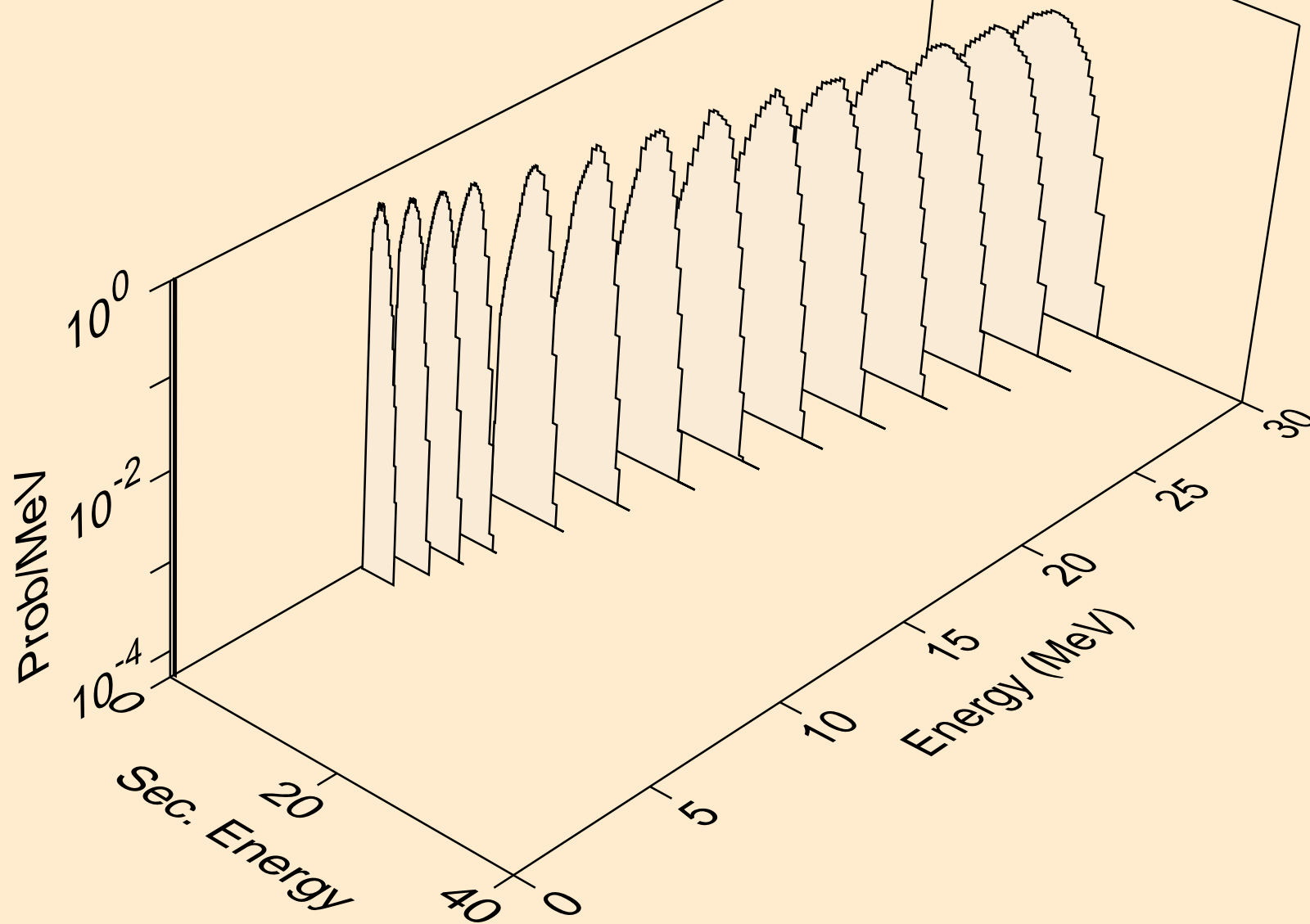




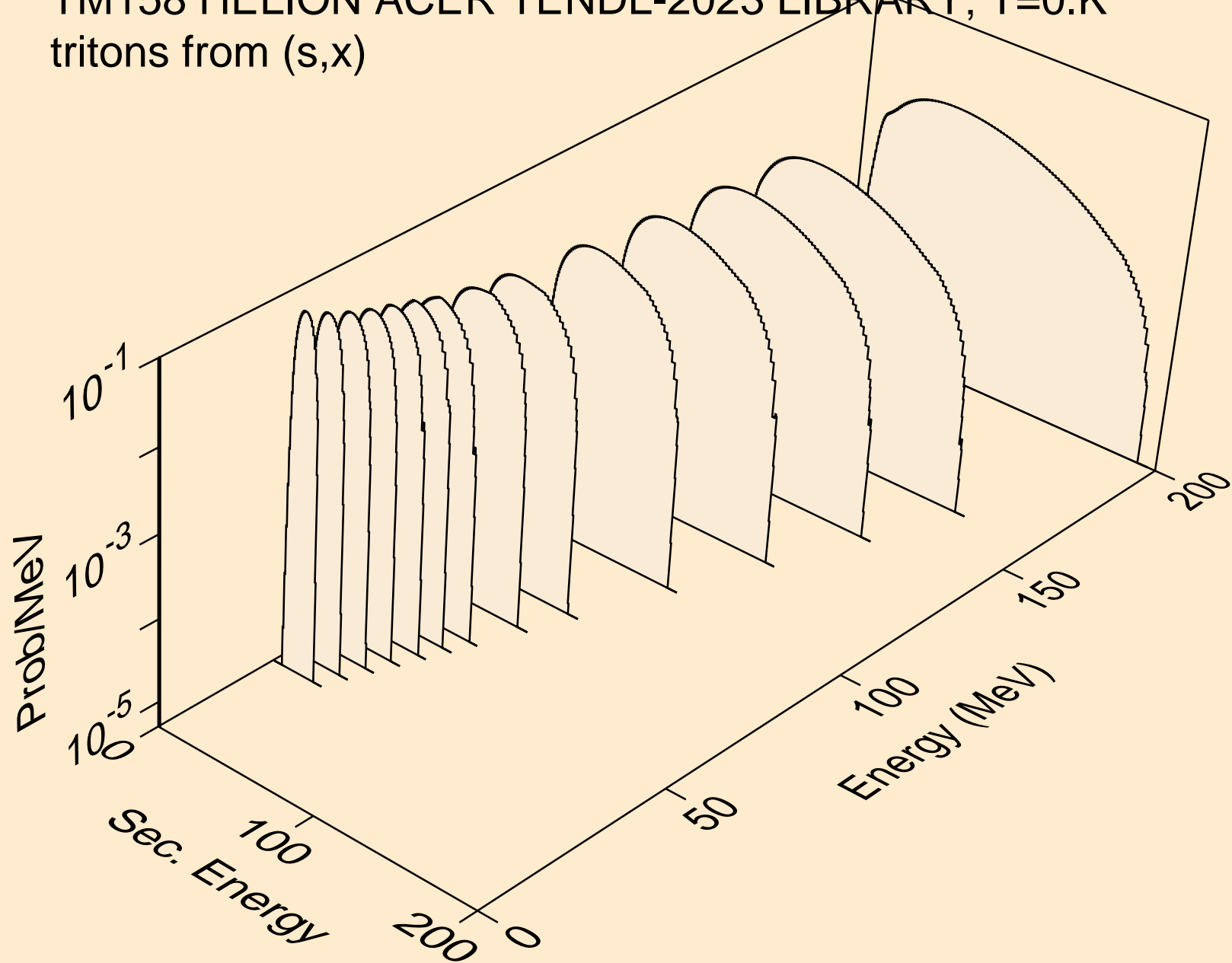
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,pd)



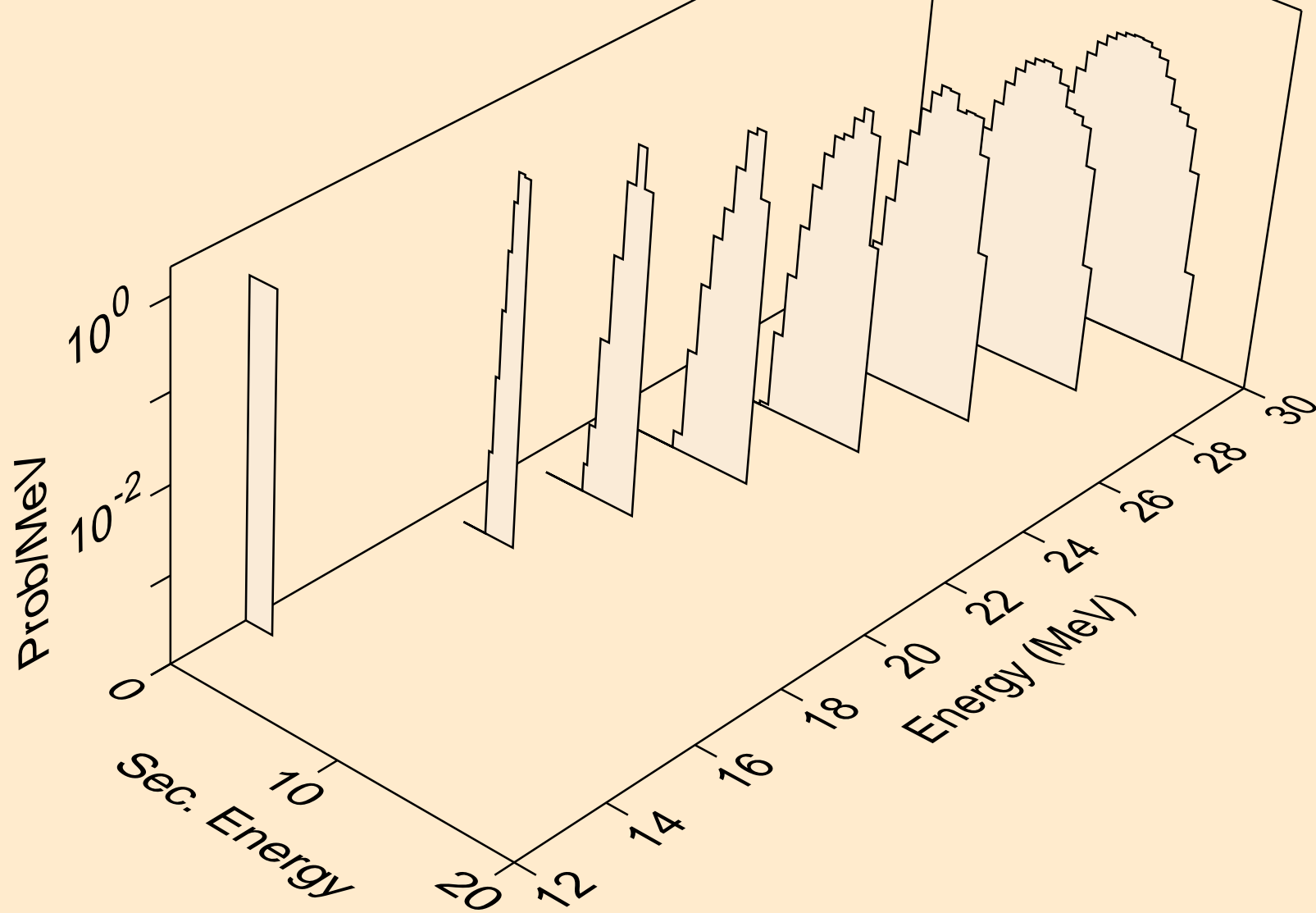
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,da)



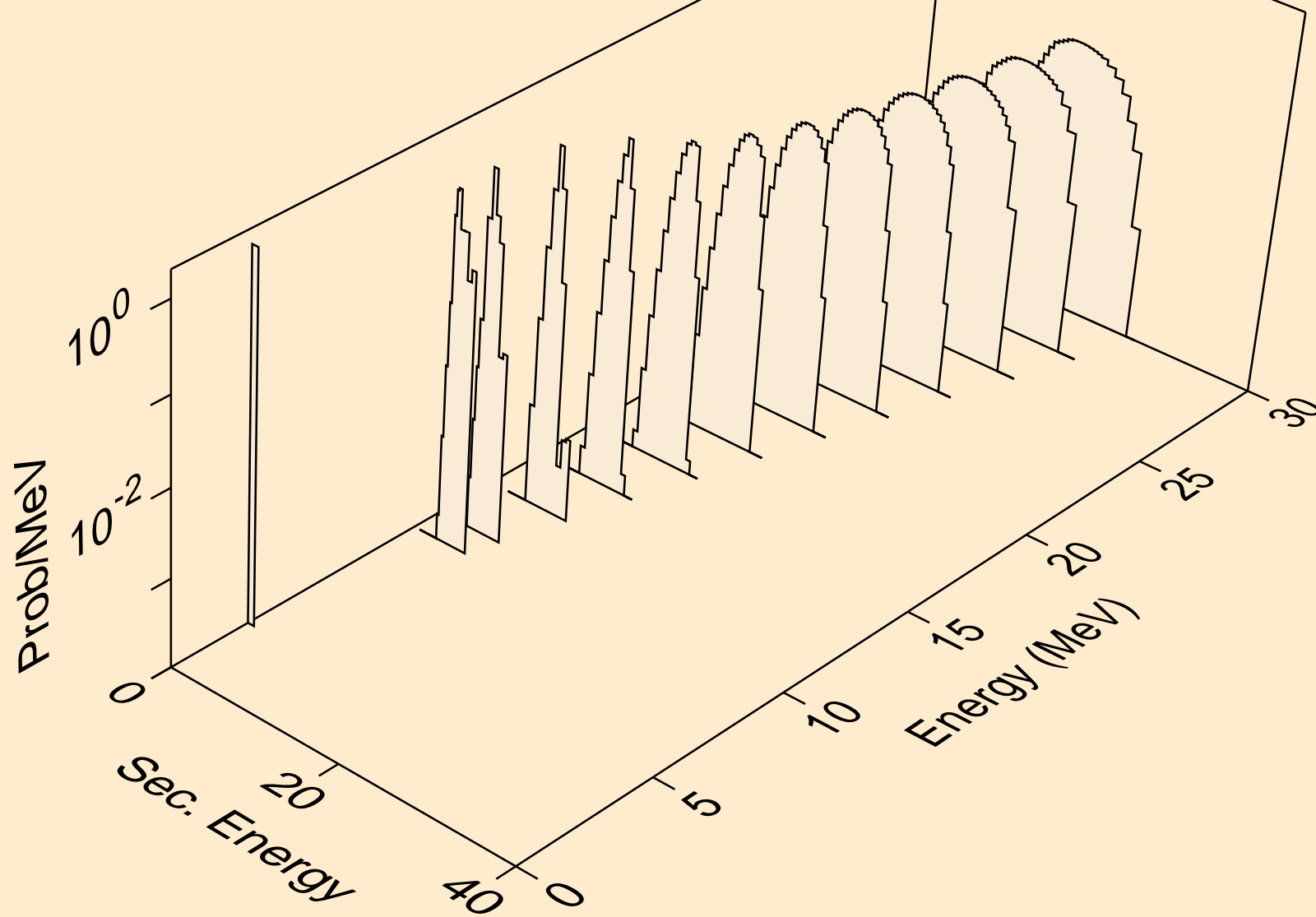
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,x)



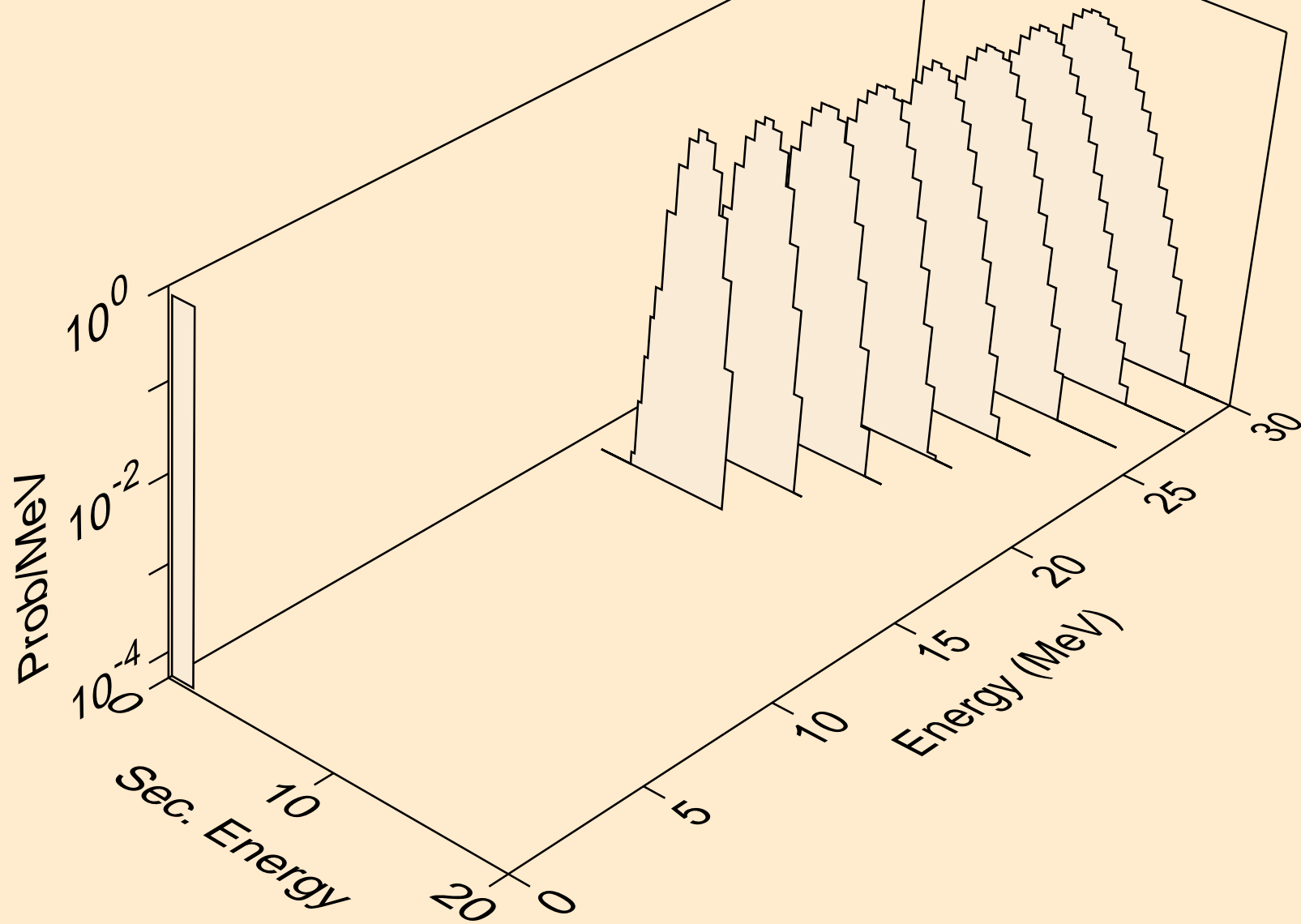
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,n\*)t



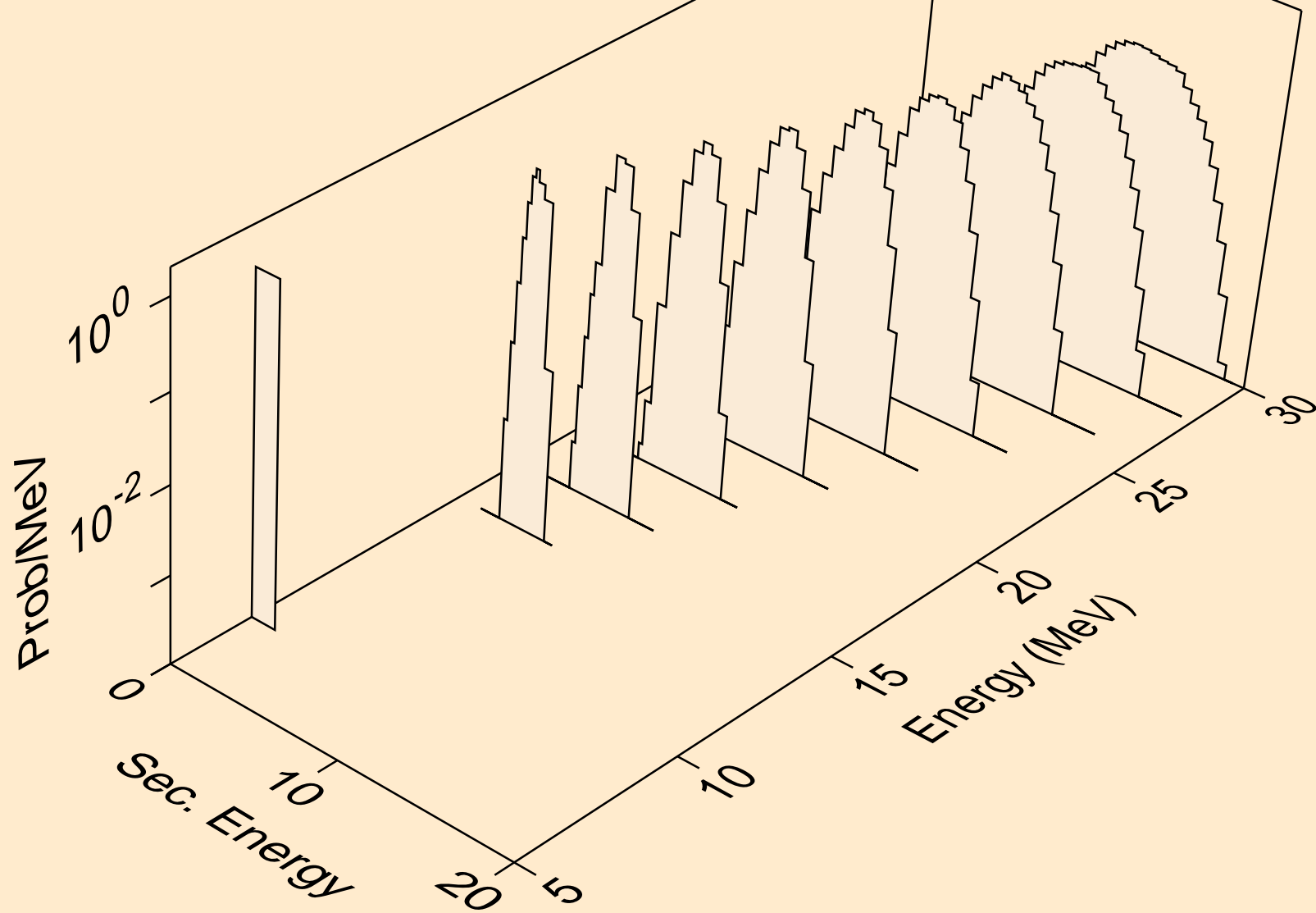
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tritons from (s,t)



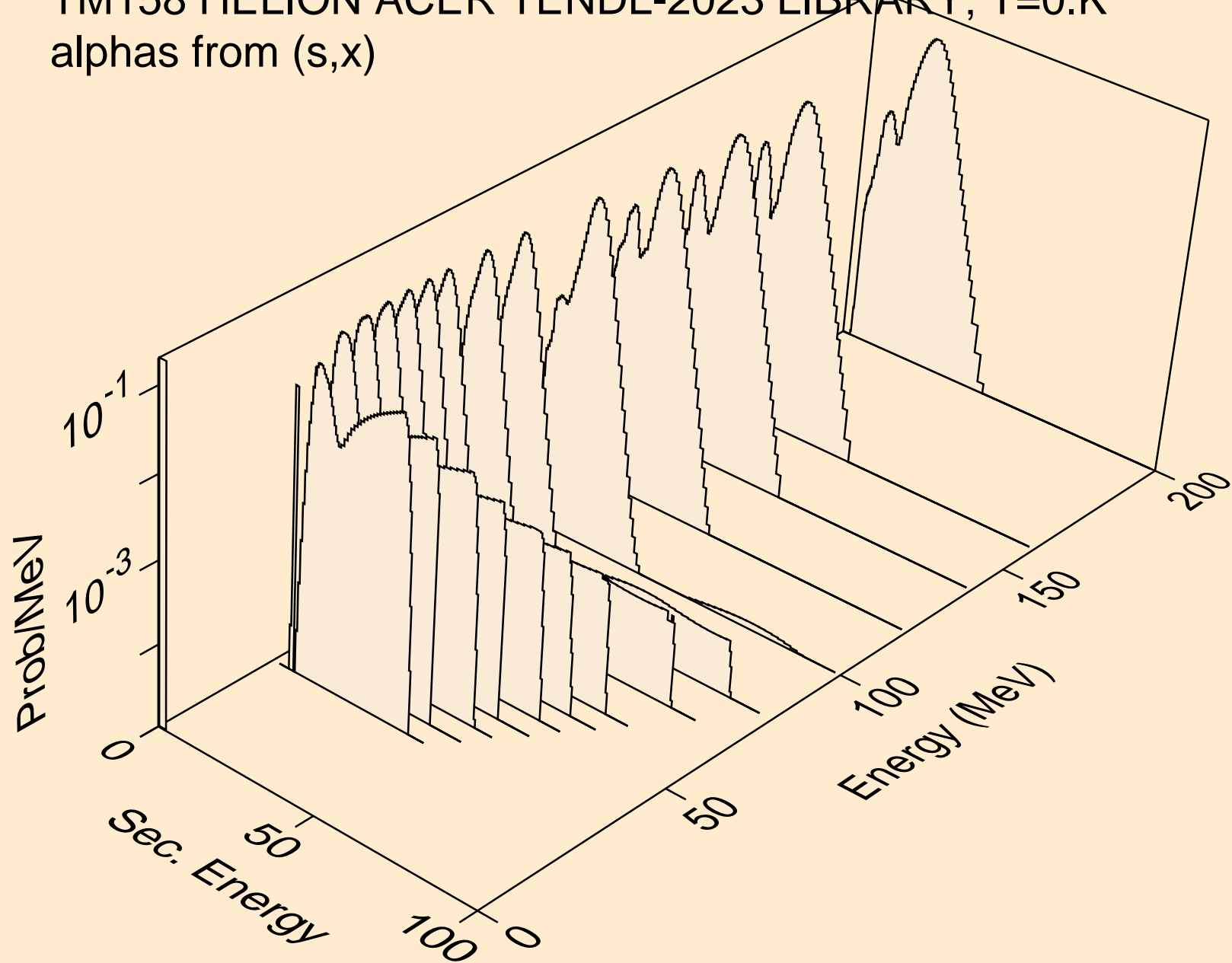
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,t2a)



TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,pt)

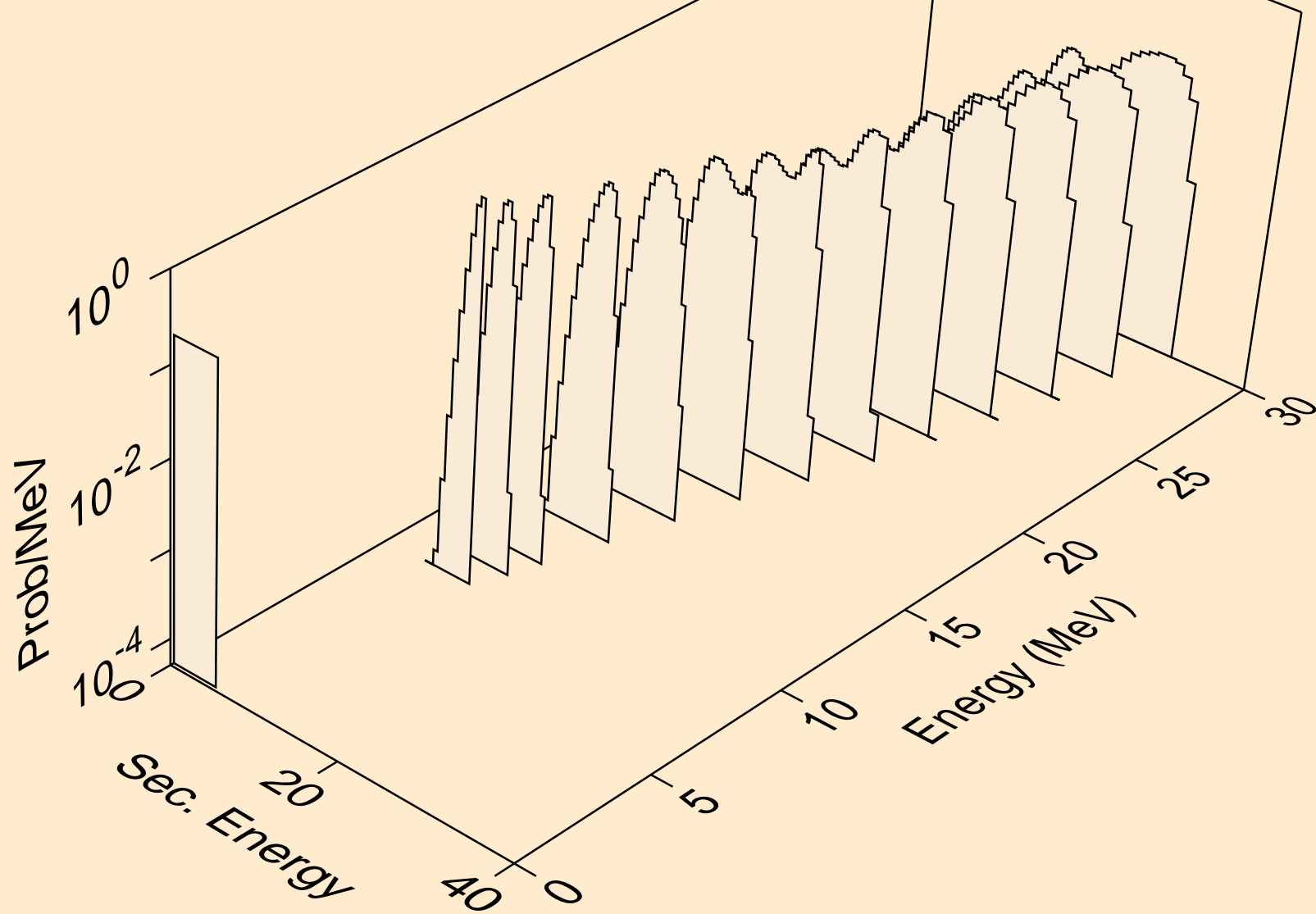


TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,x)

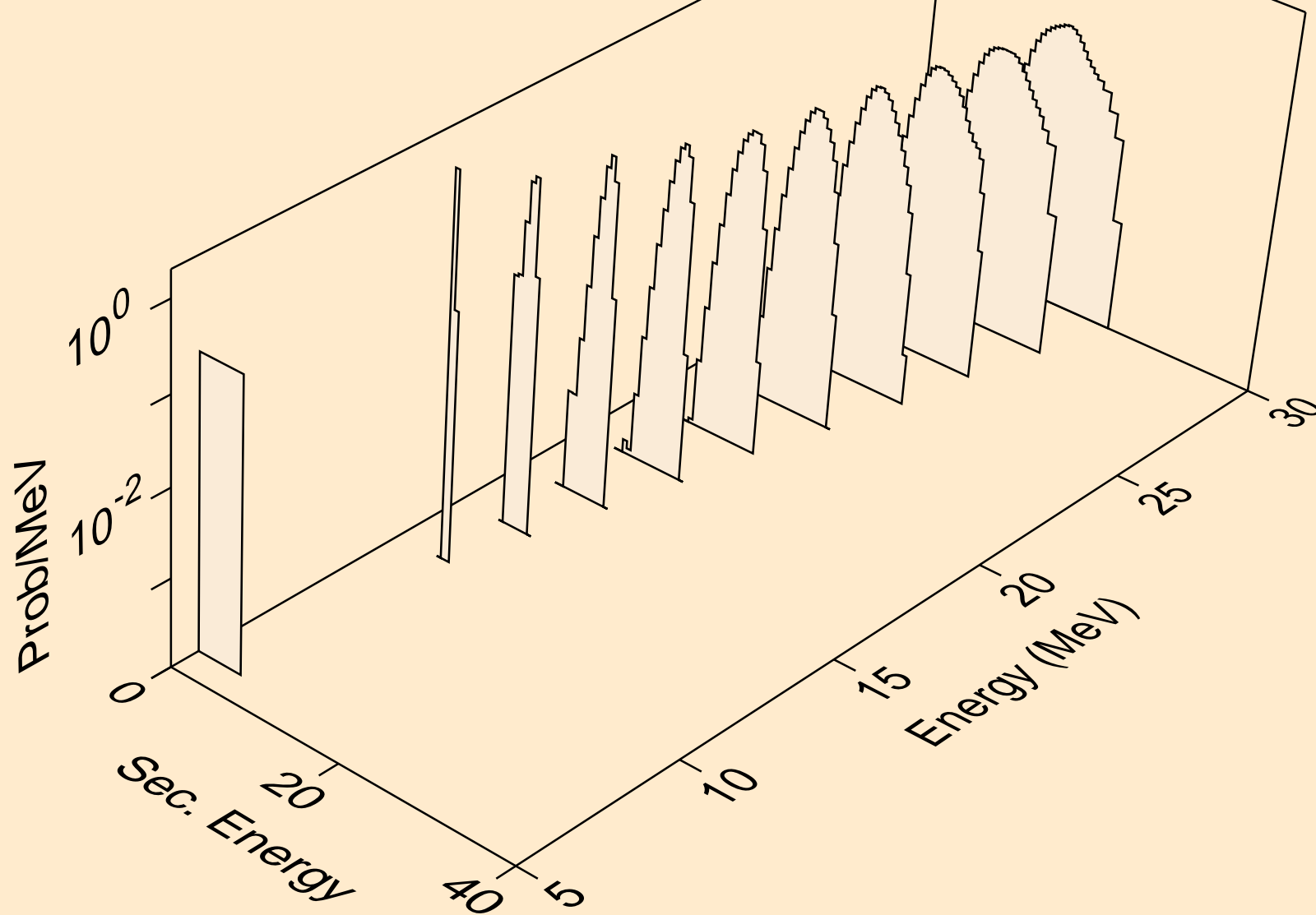




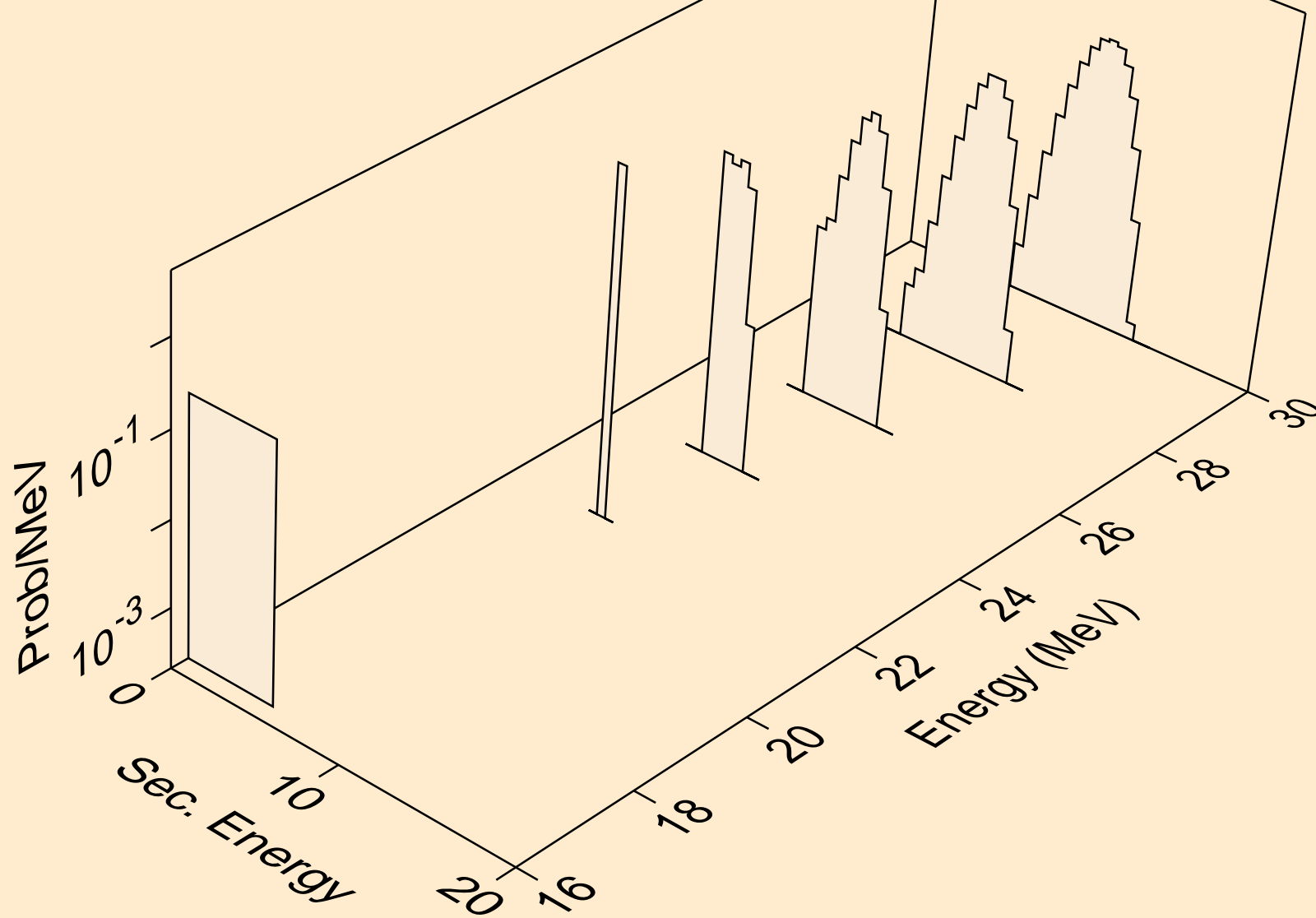
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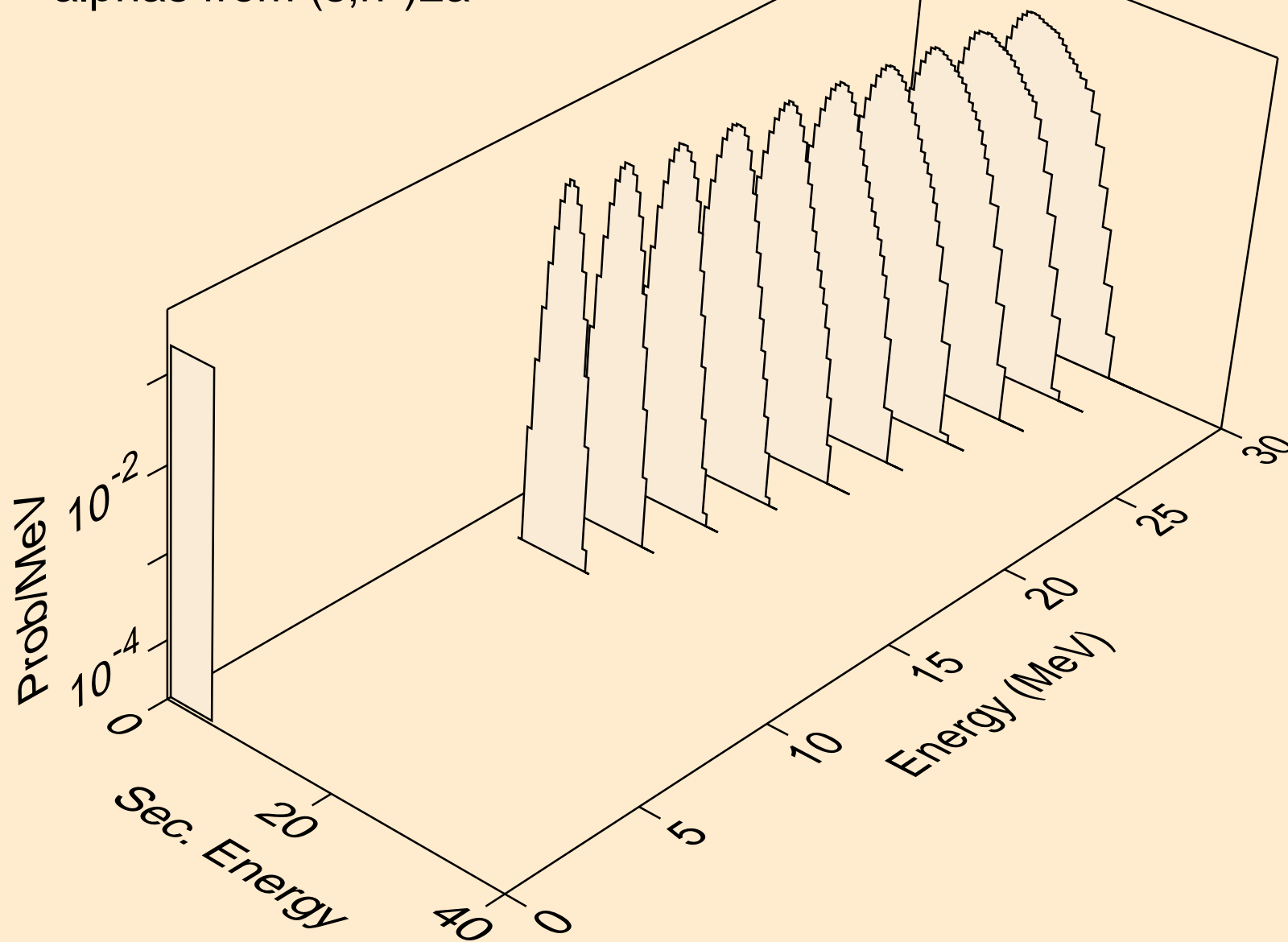
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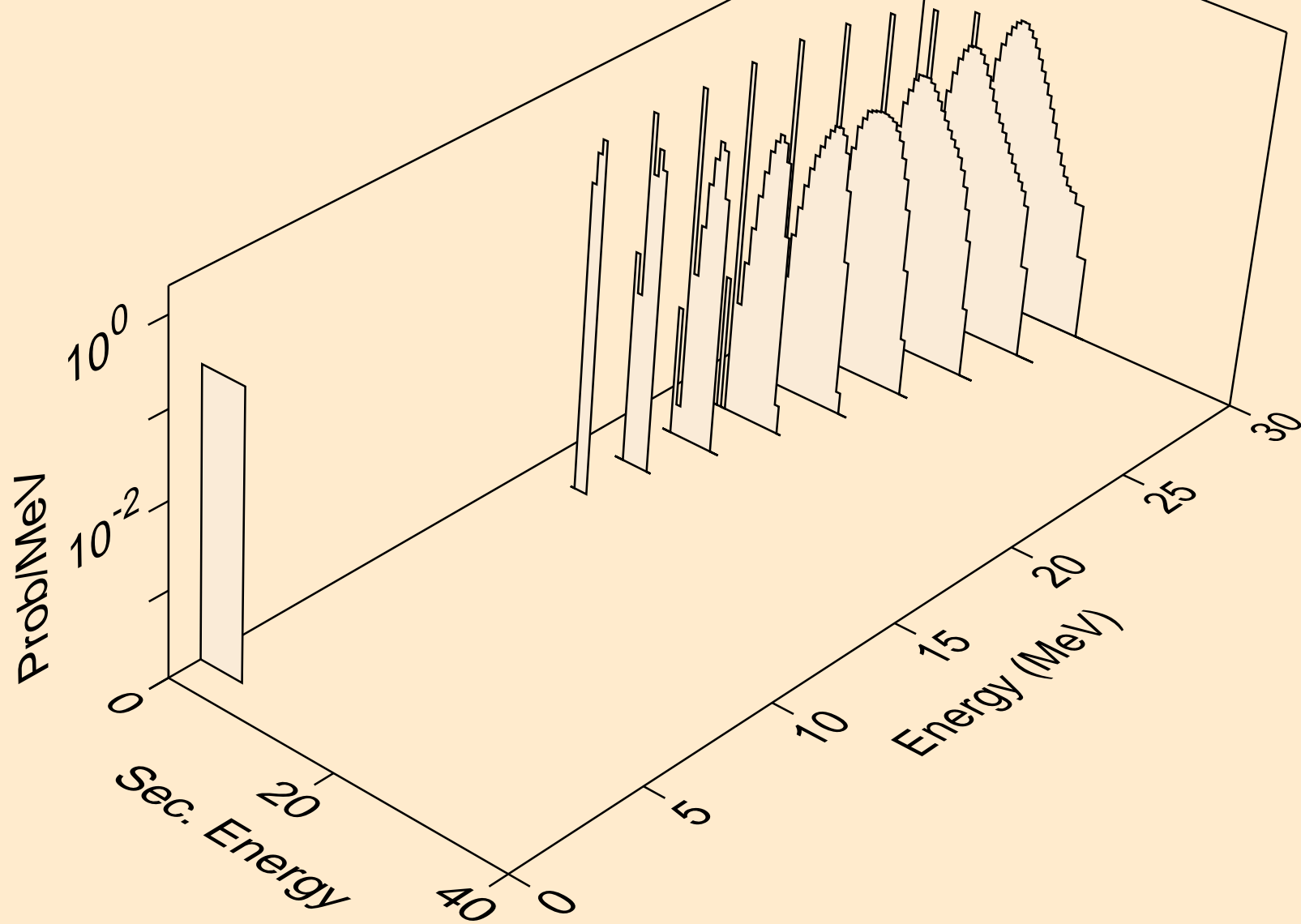
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alphas from (s,3n)a



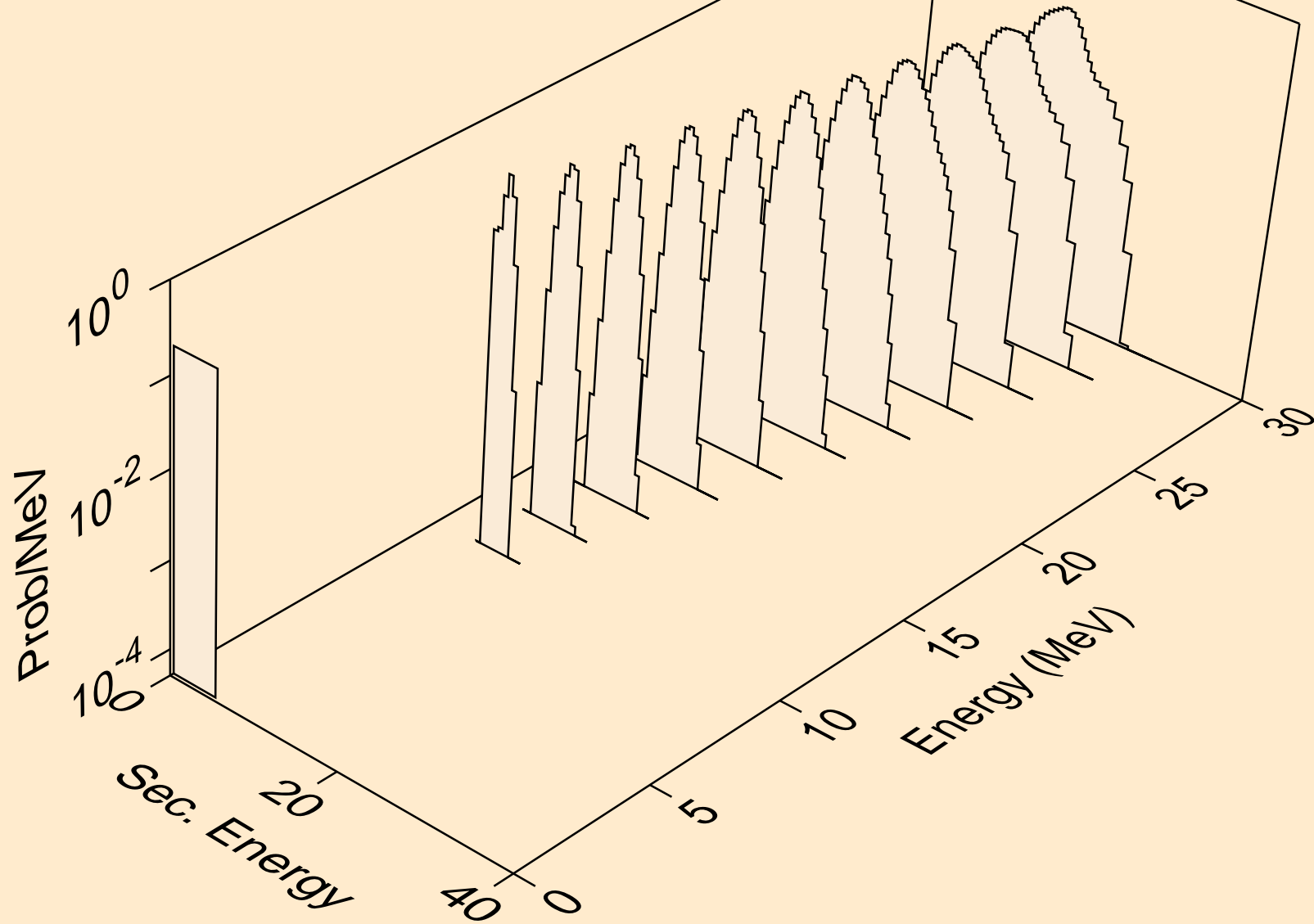
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alphas from (s,n\*)2a



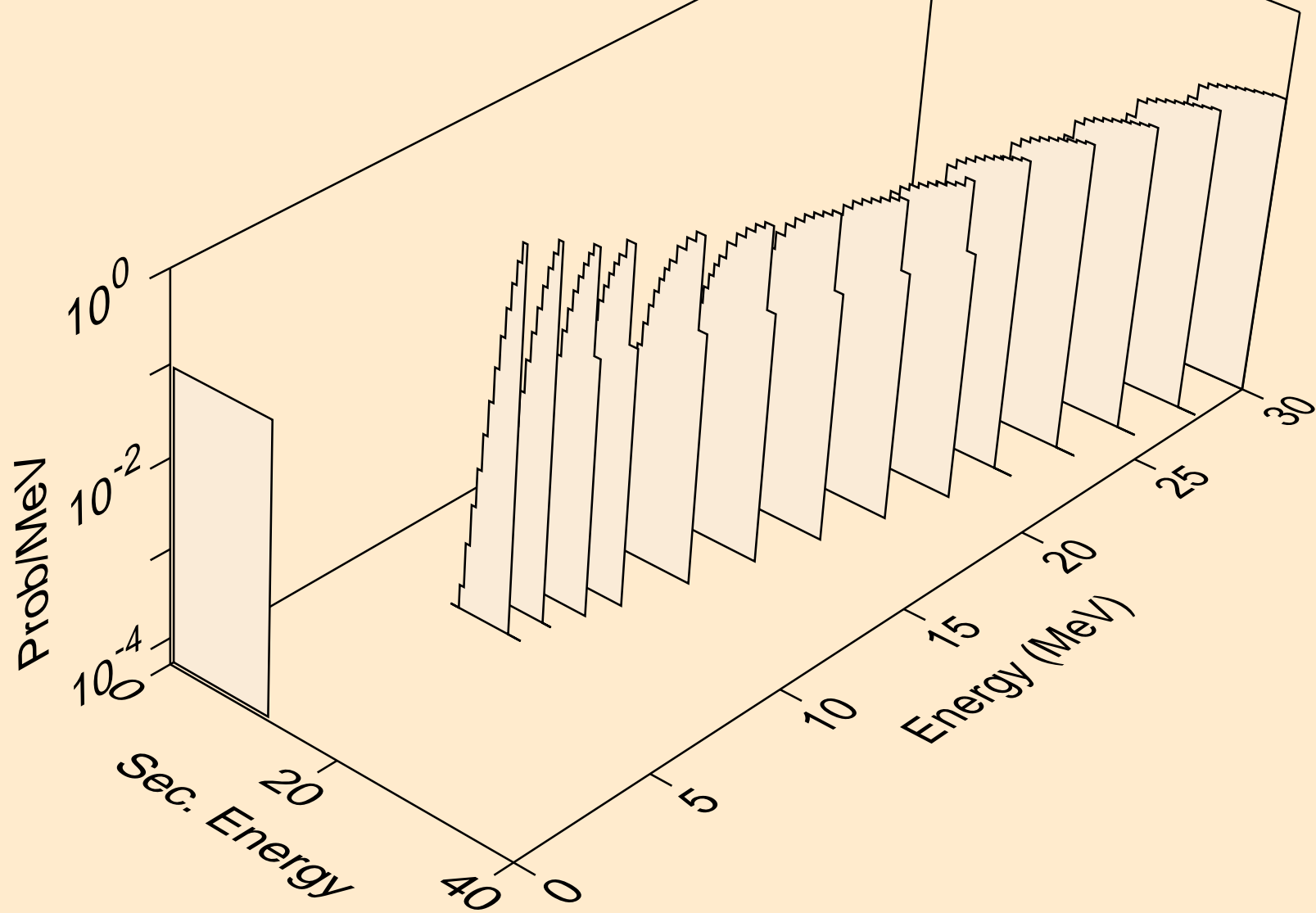
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alphas from (s,2n)2a



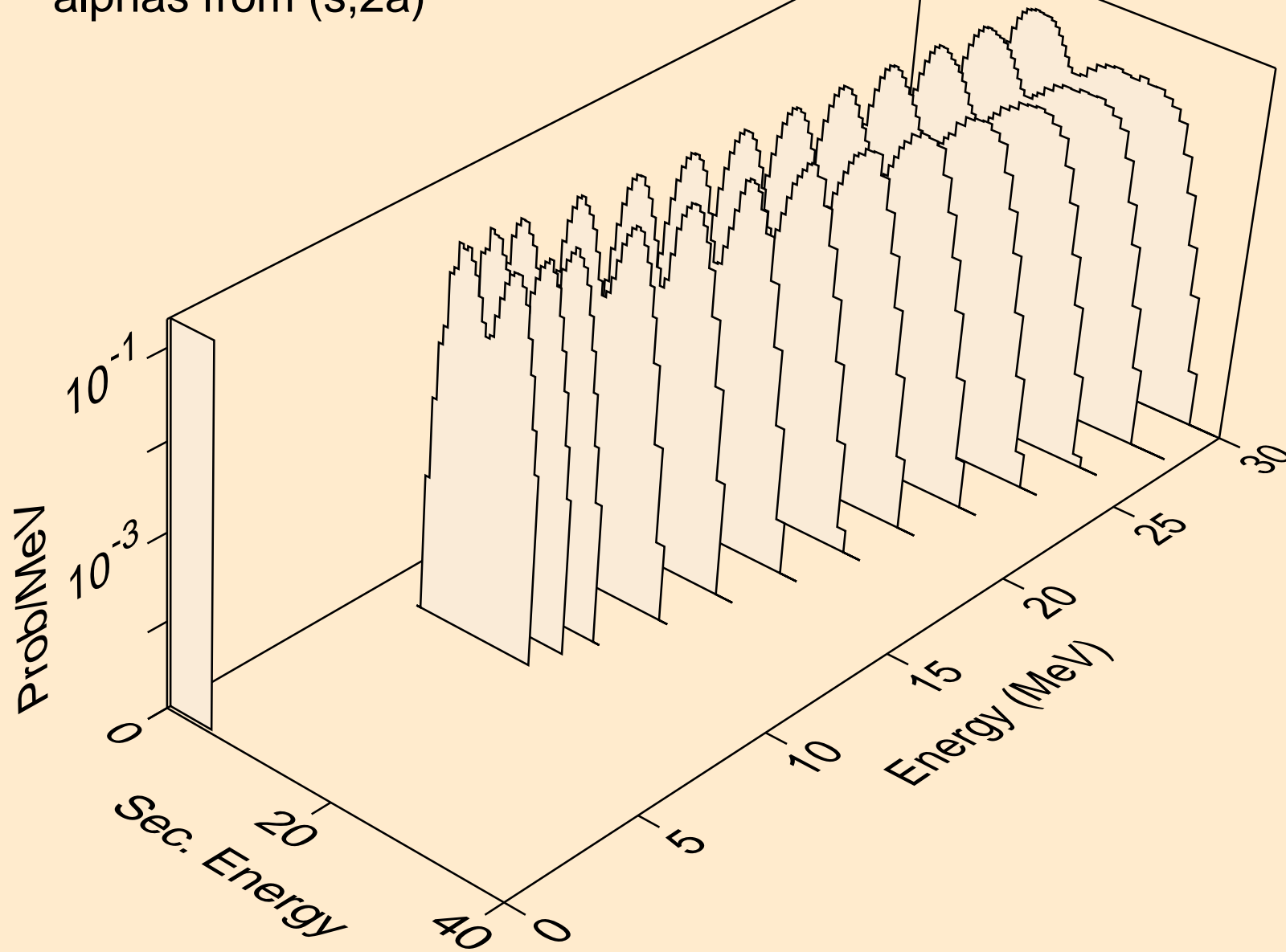
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,npa)



TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,a)

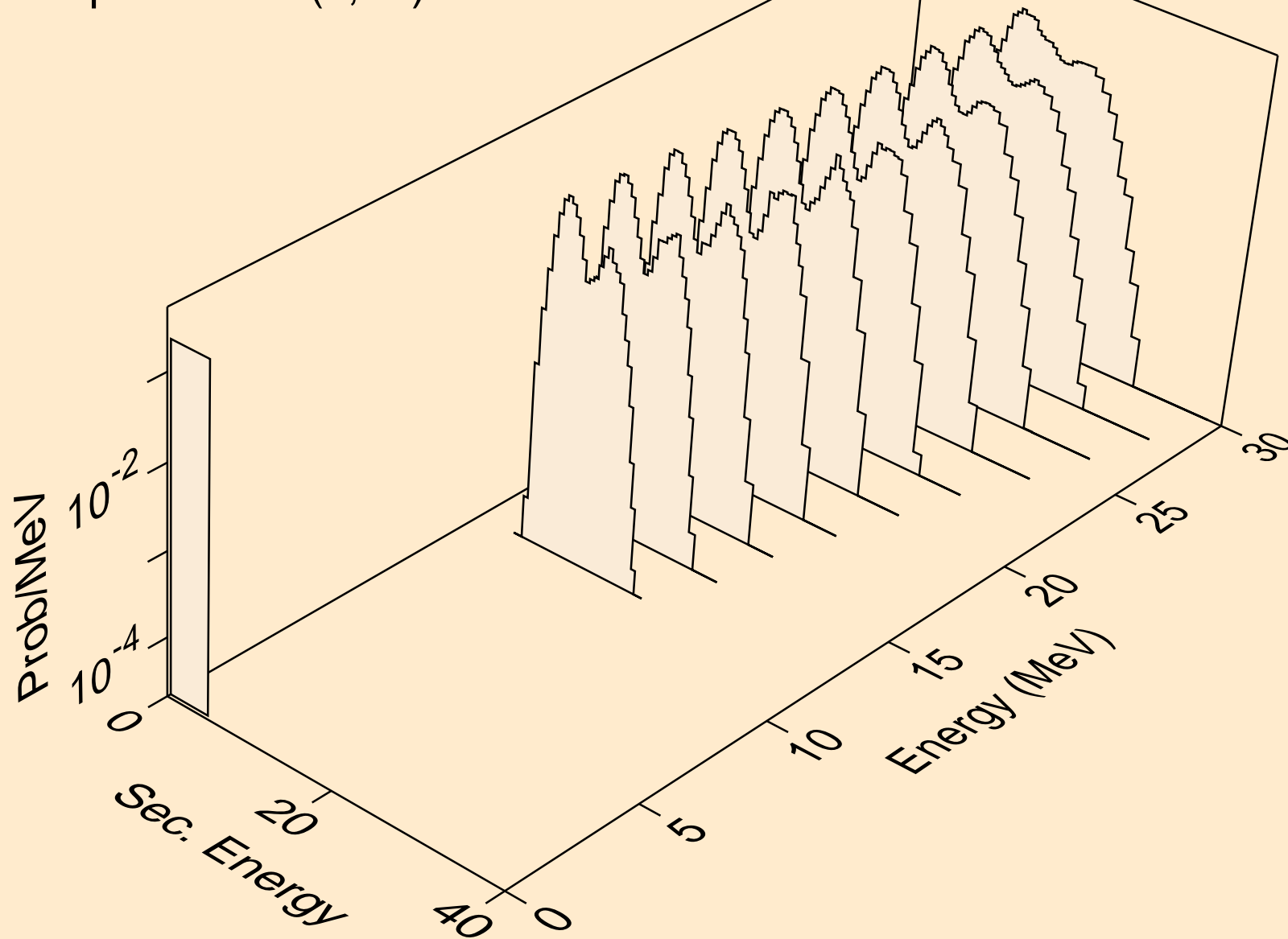


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alphas from (s,2a)

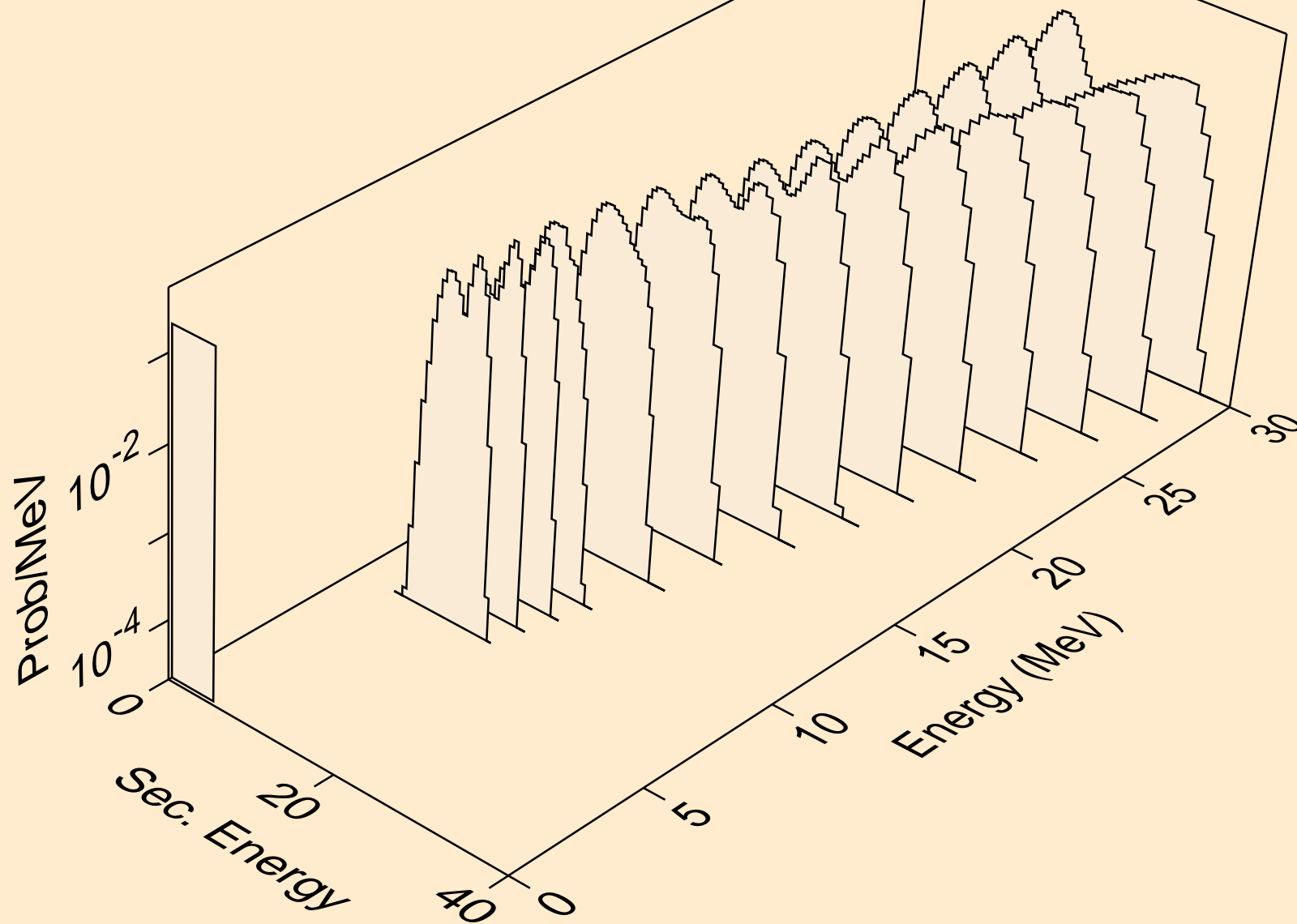




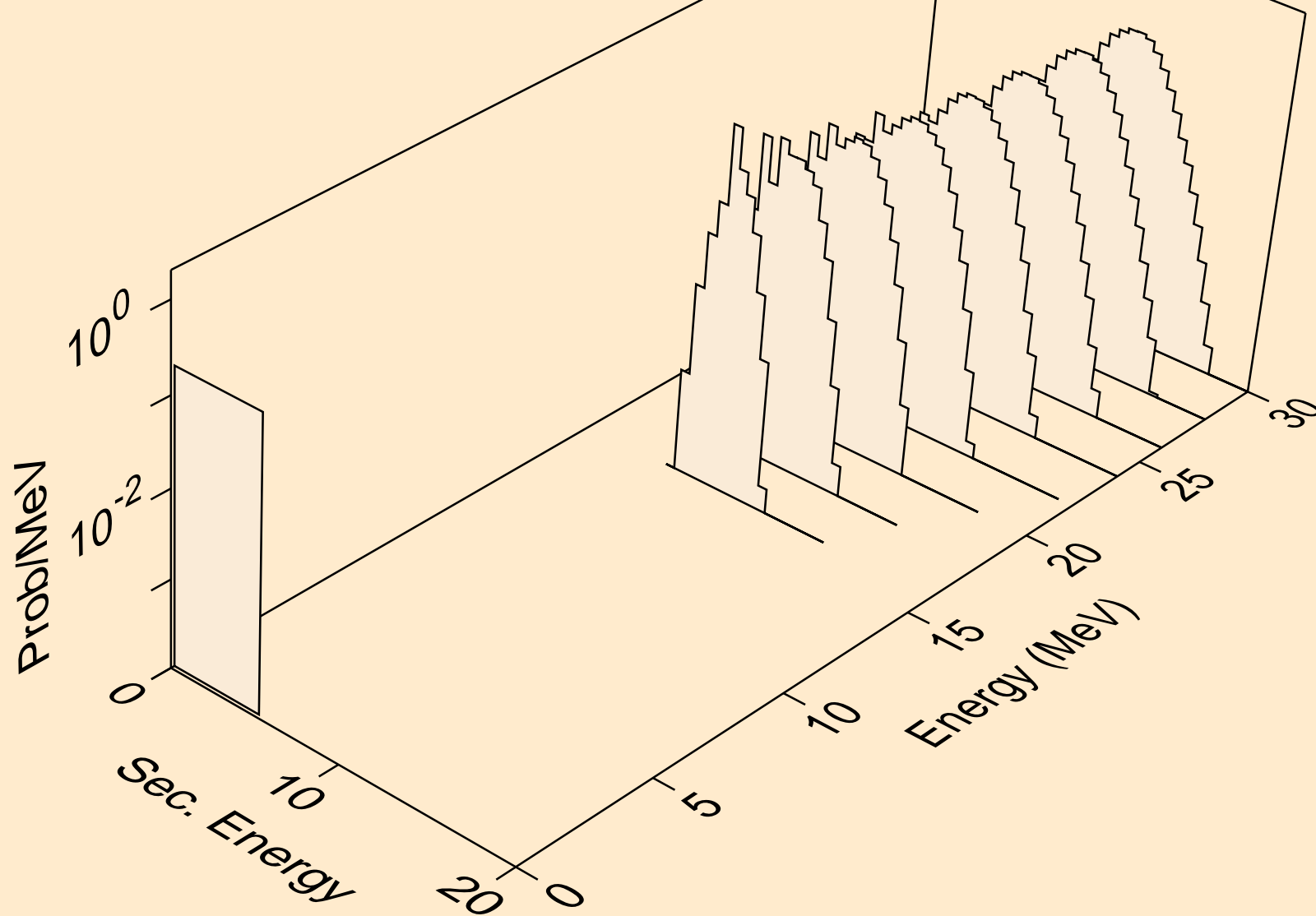
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alphas from (s,3a)



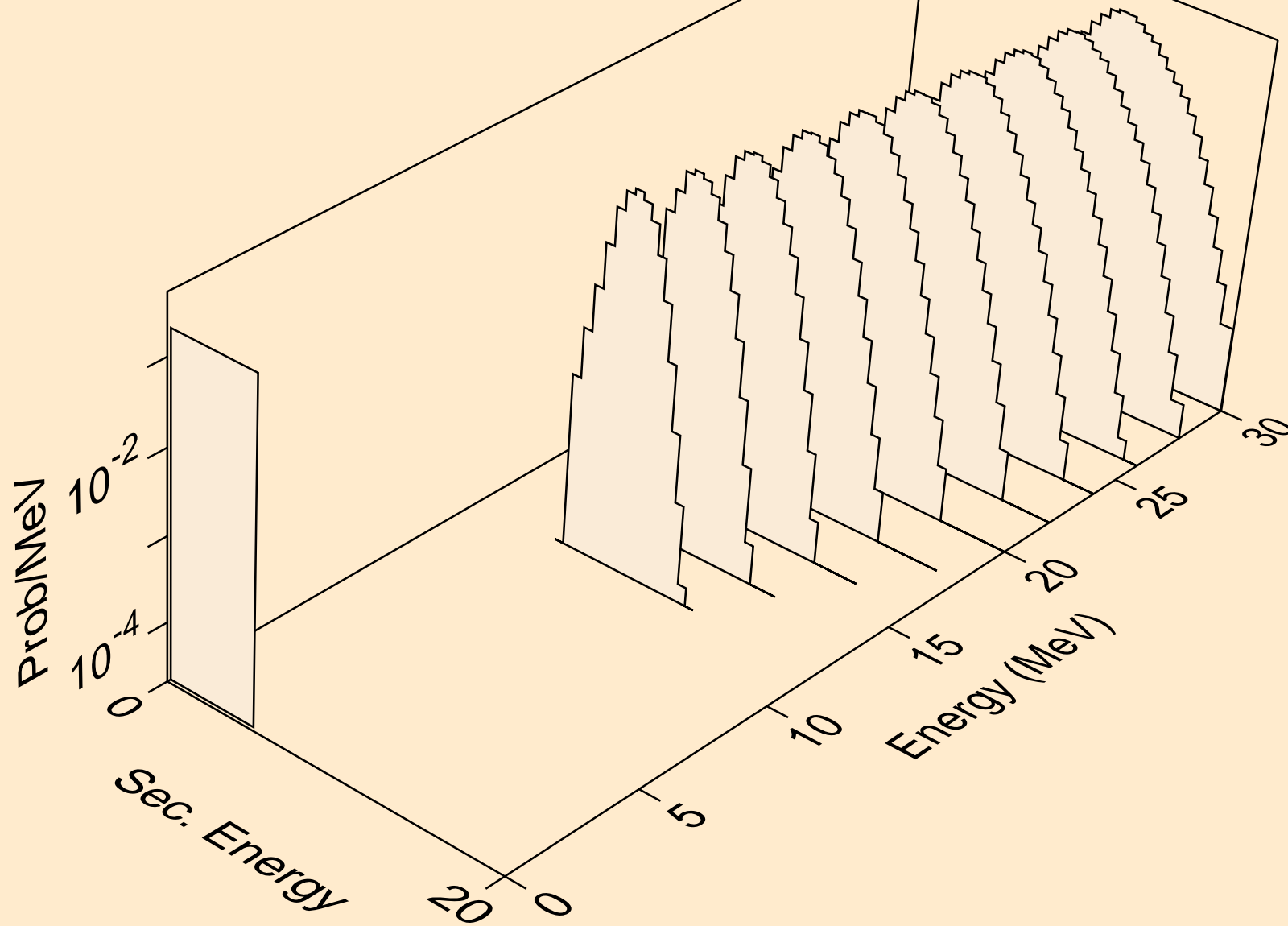
TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,t2a)



TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,d2a)



TM158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

