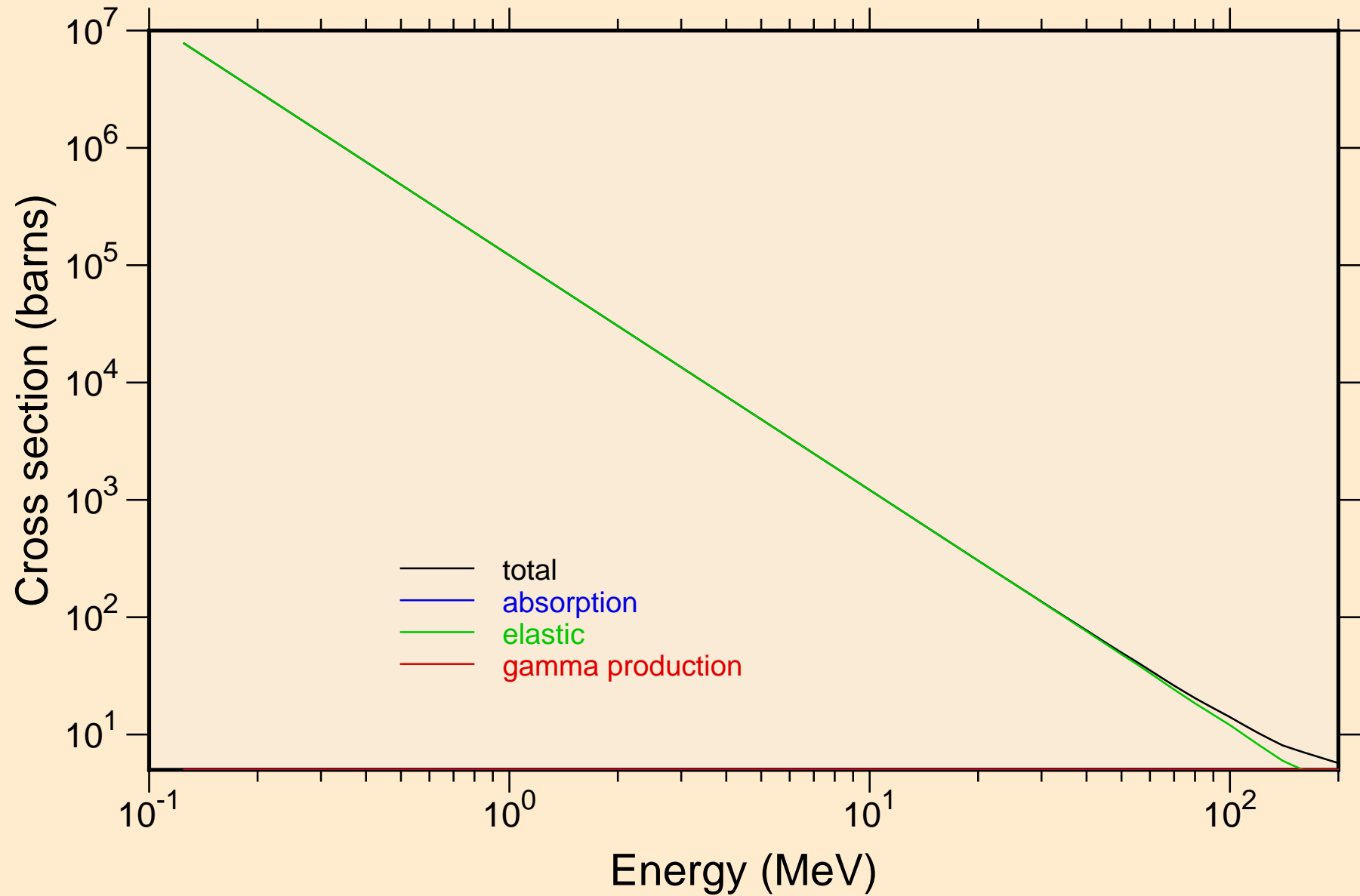


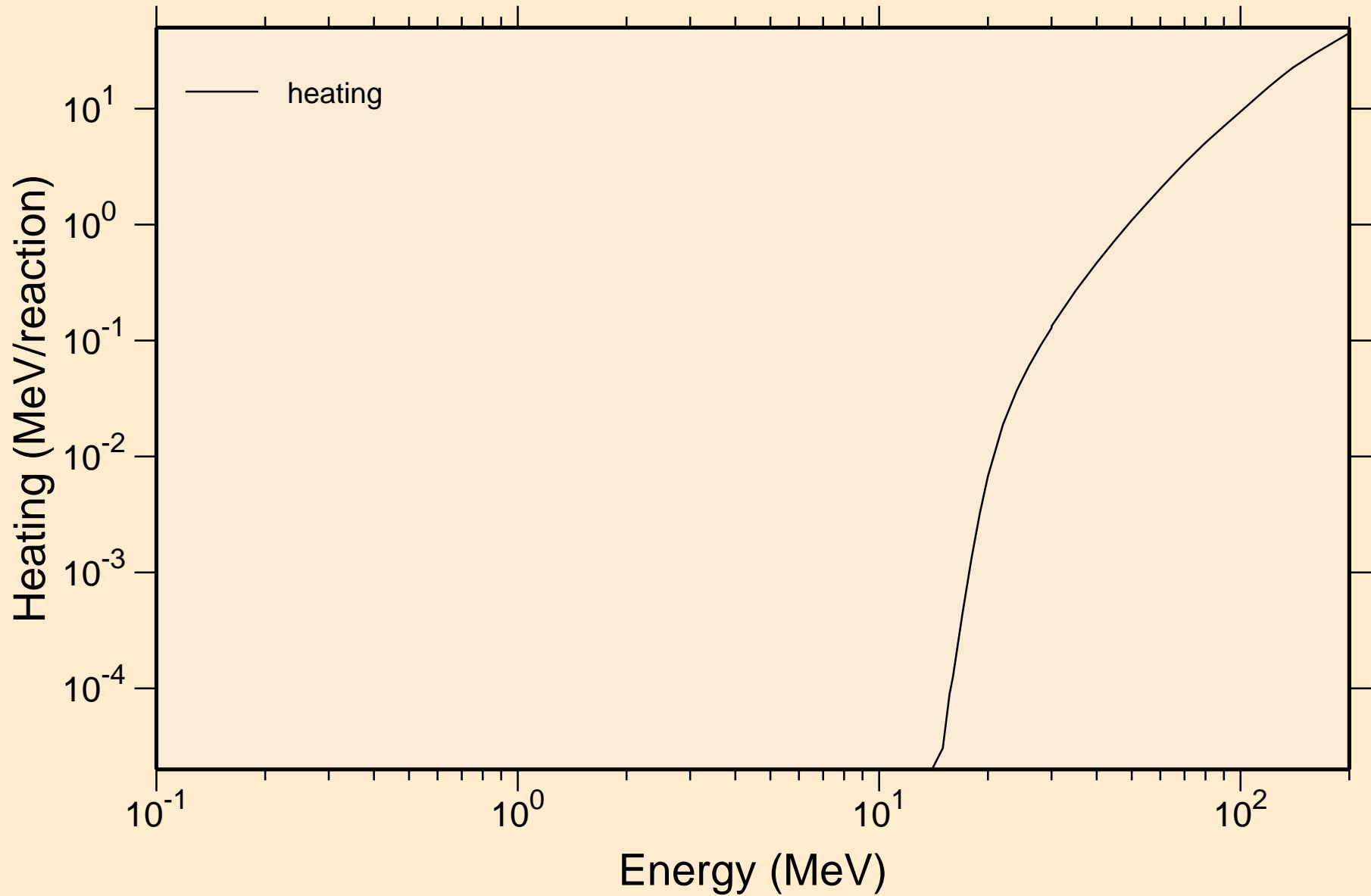
# TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



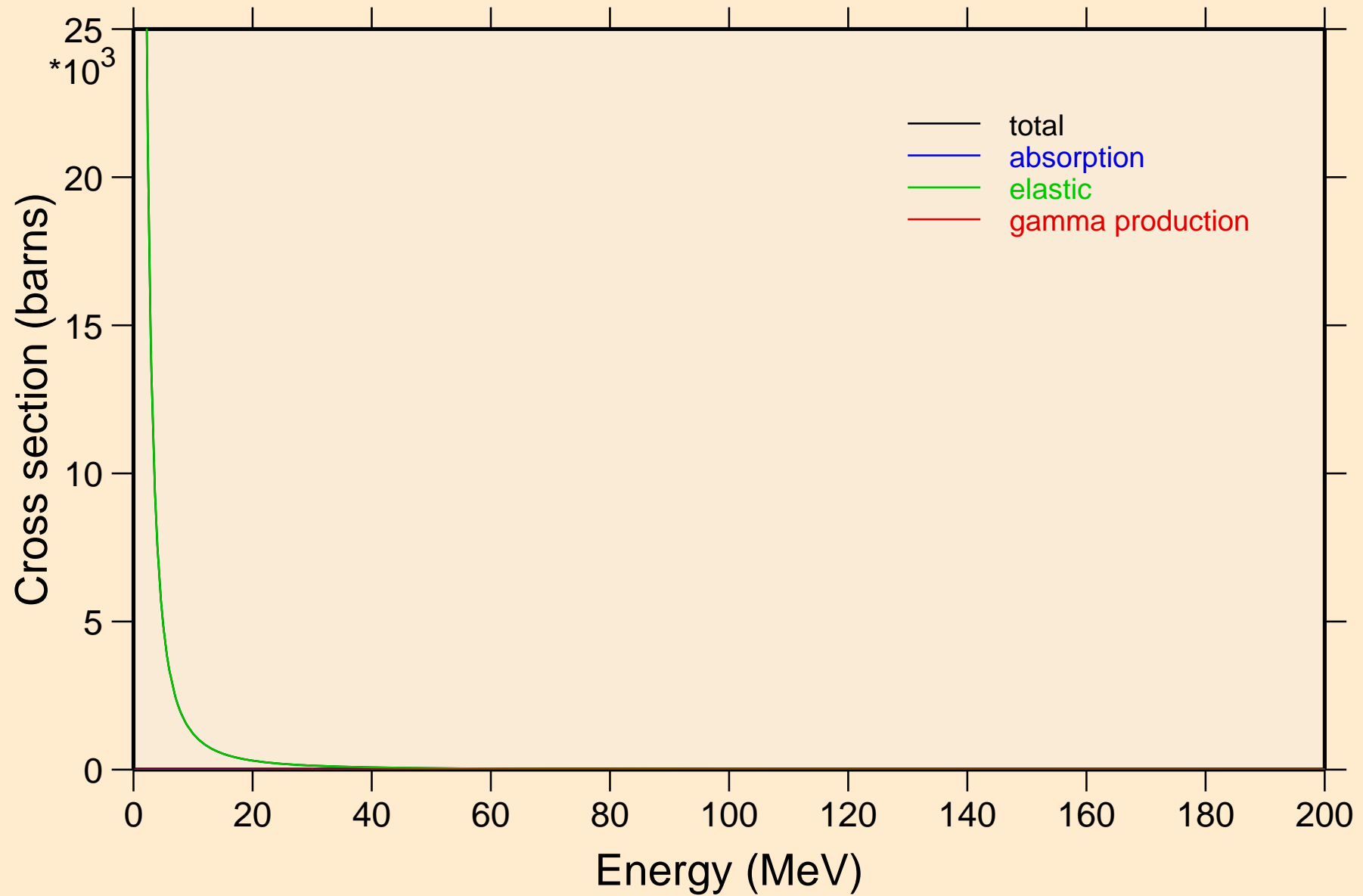
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K

Heating



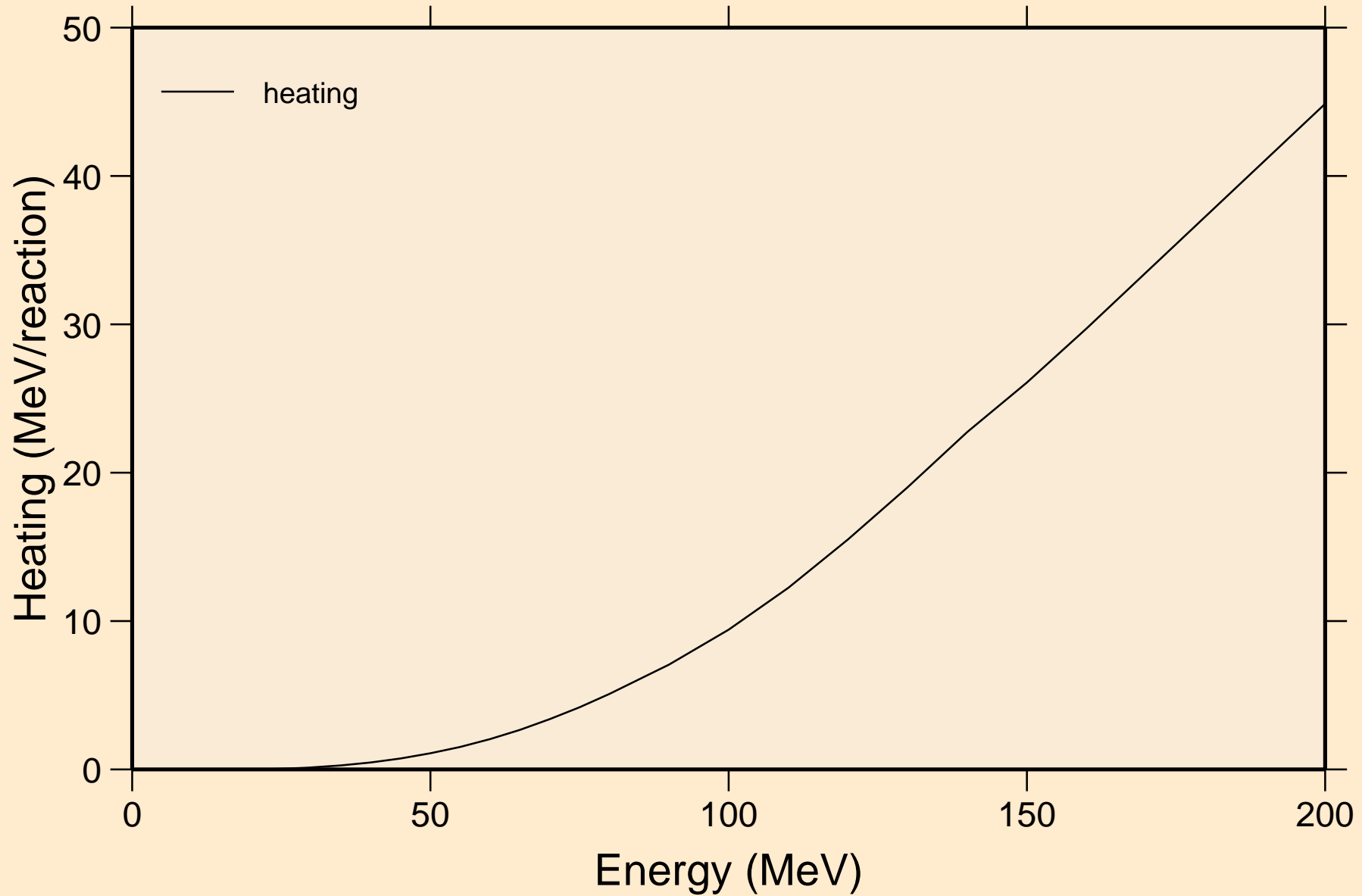
# TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections

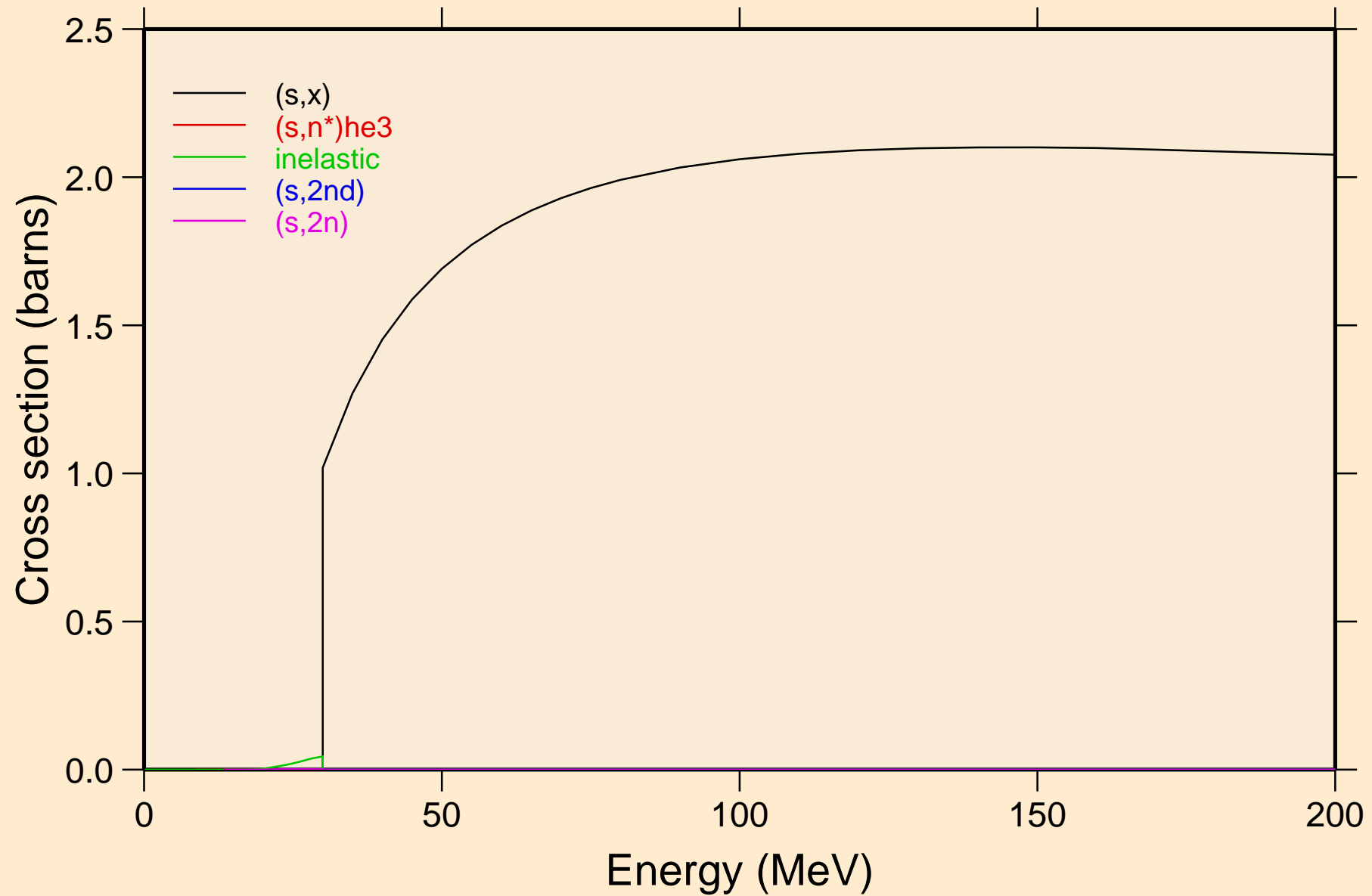


TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K

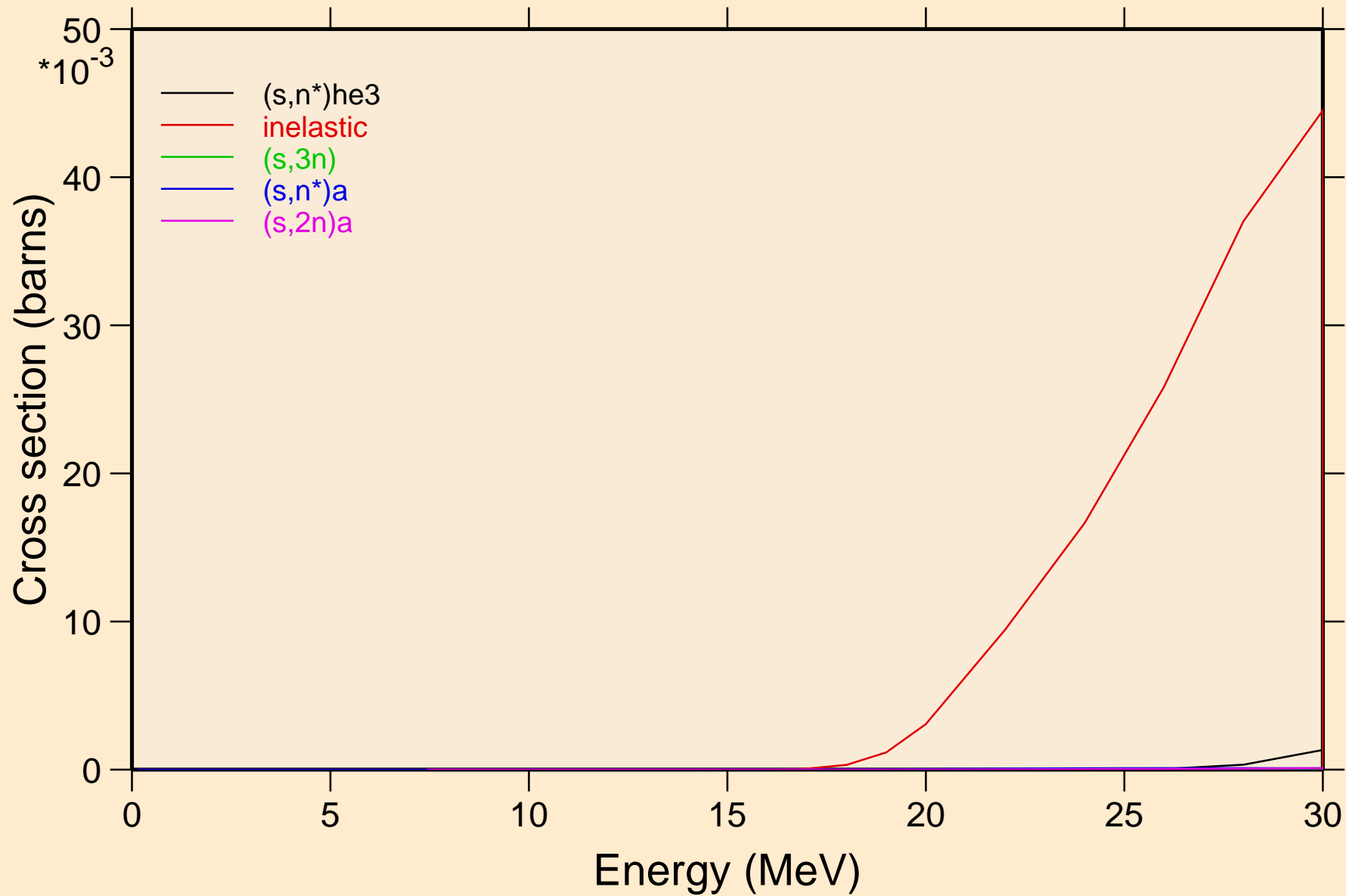
Heating



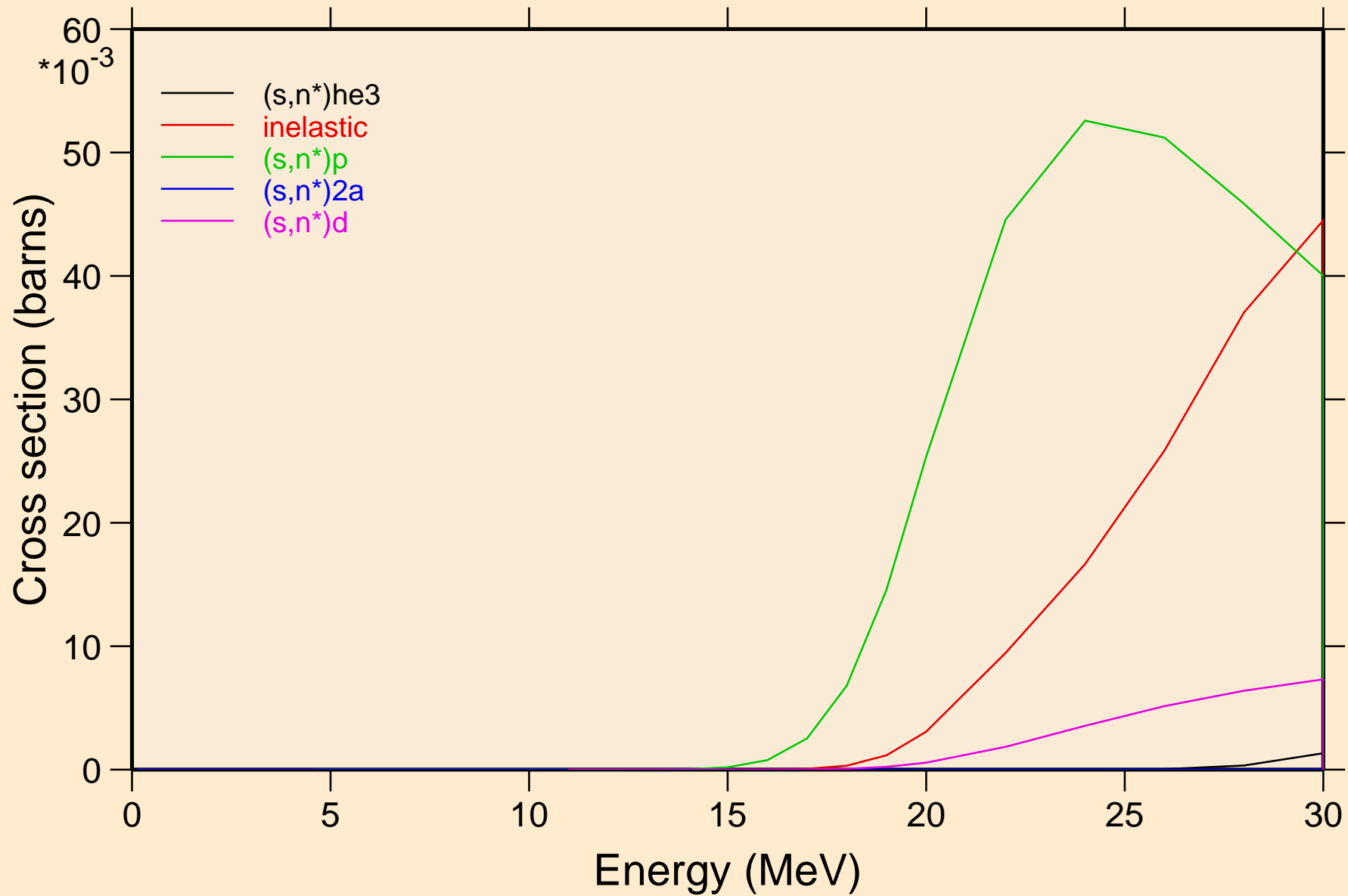
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



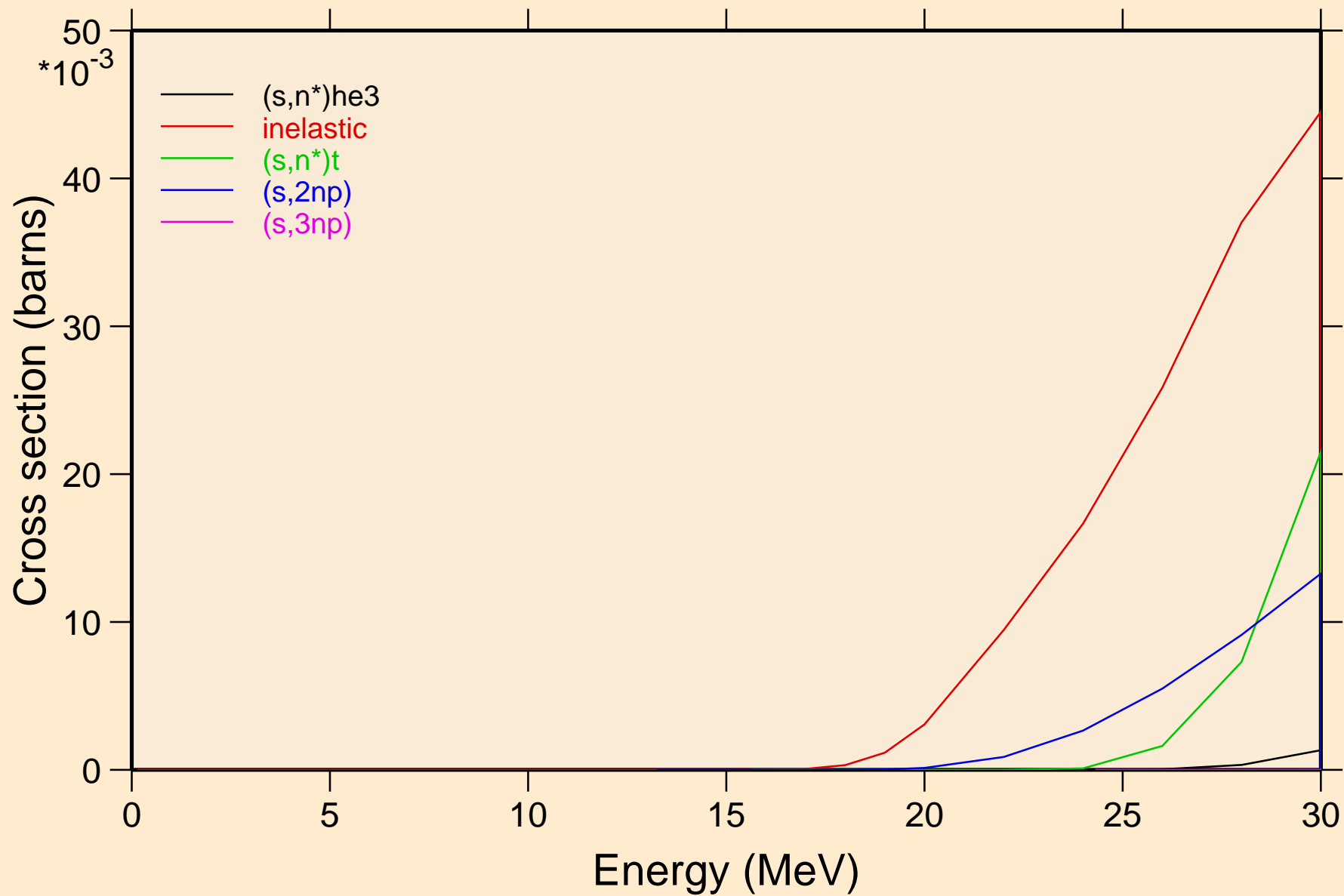
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

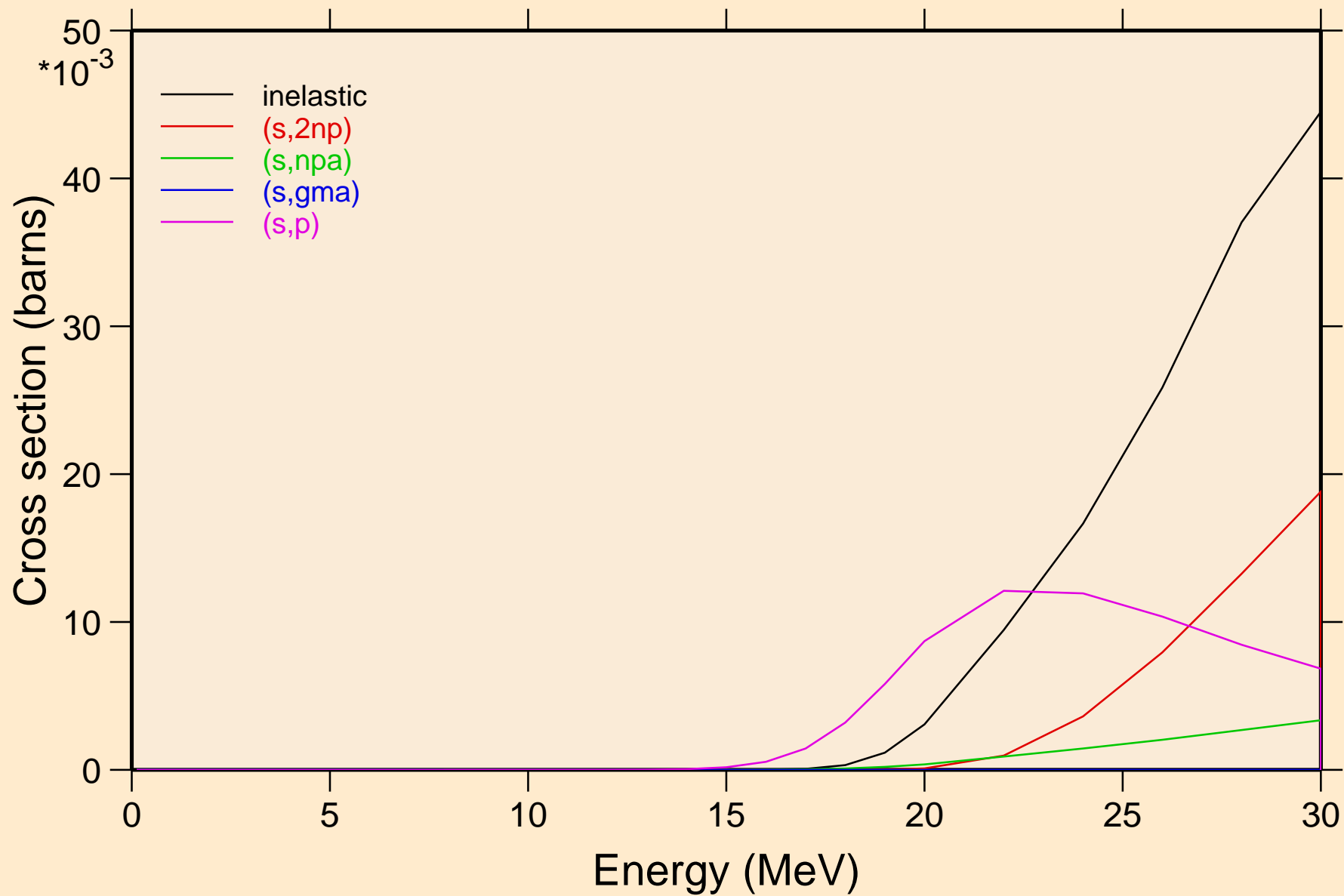


TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

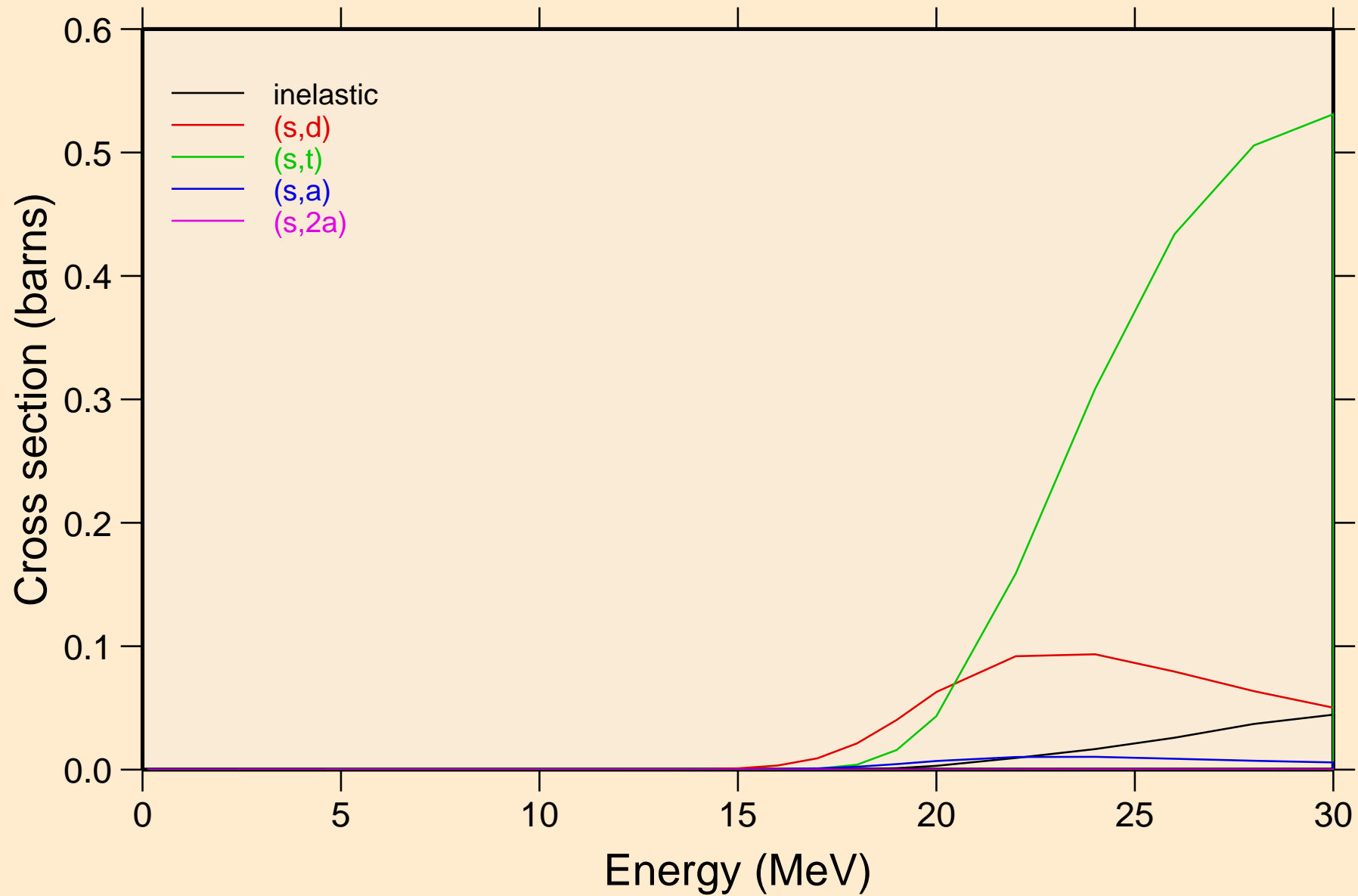




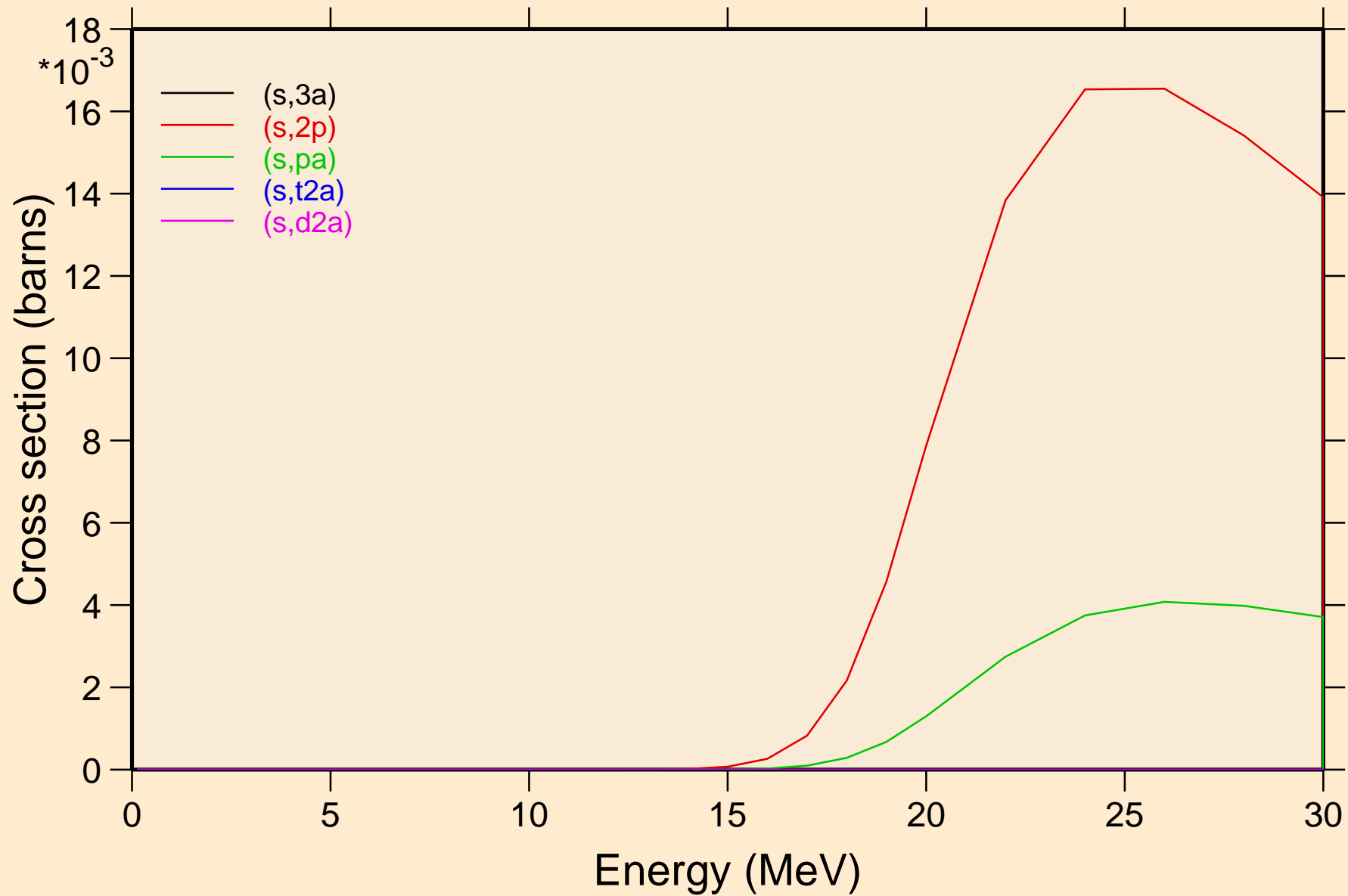
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



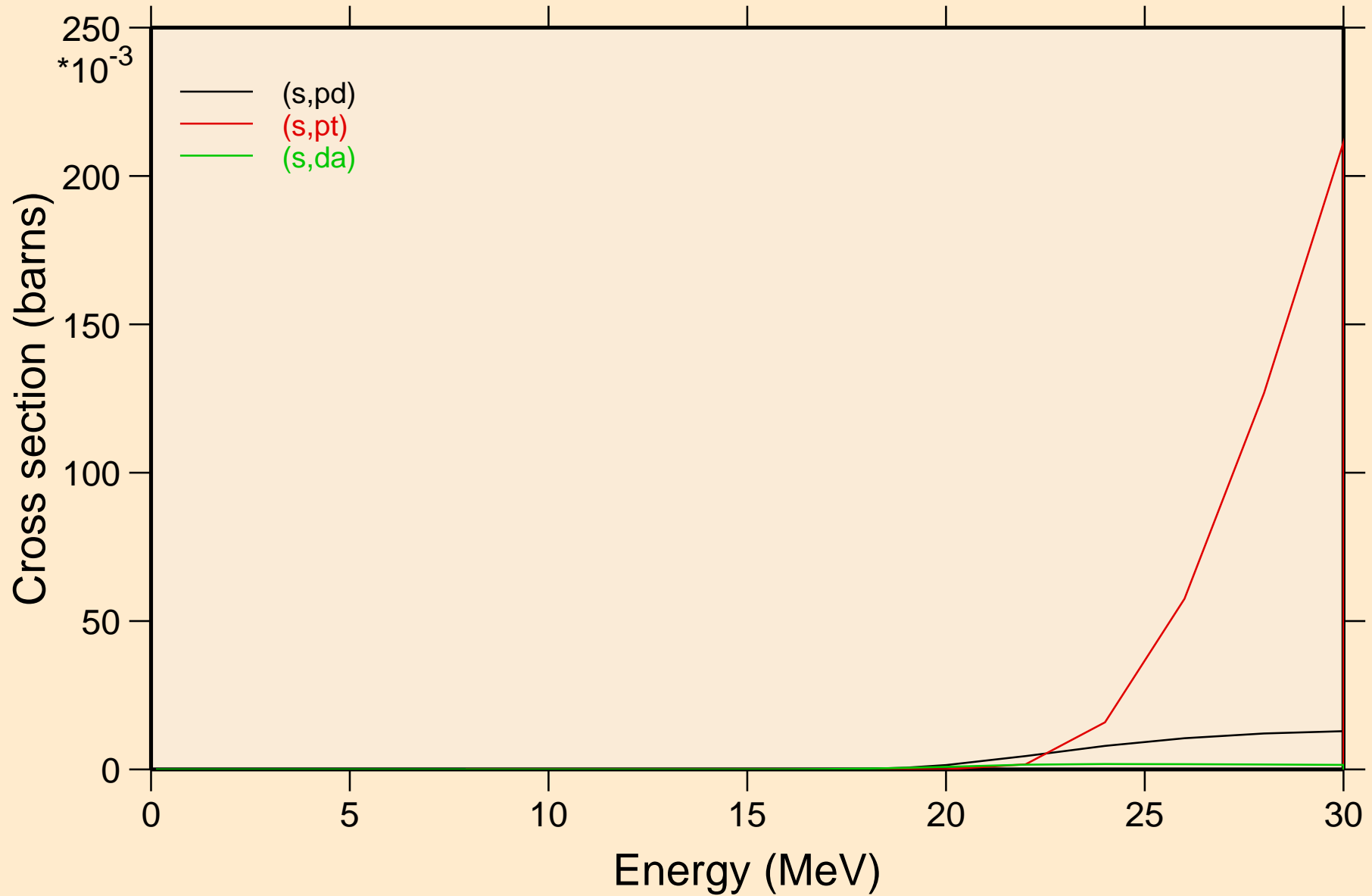
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



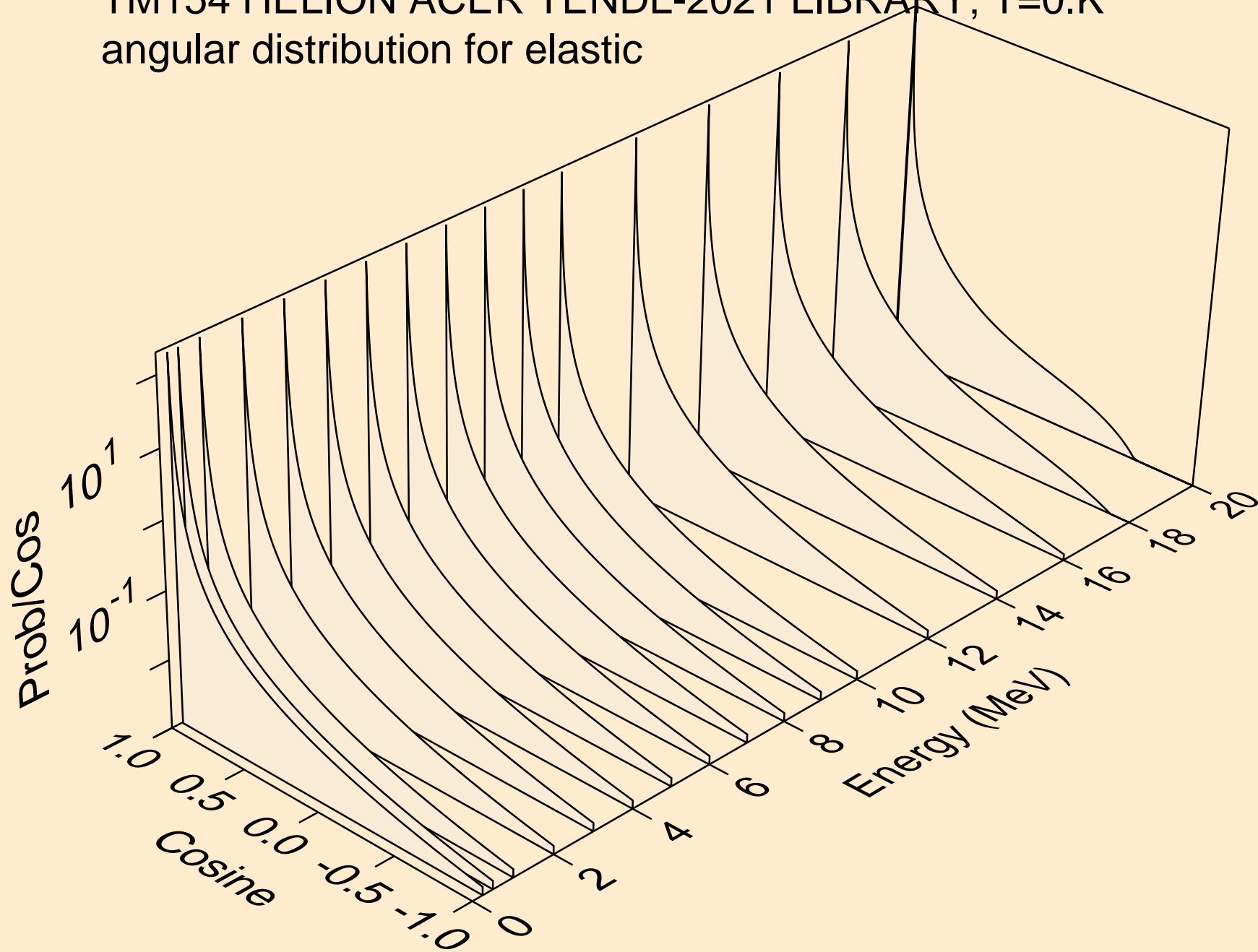
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



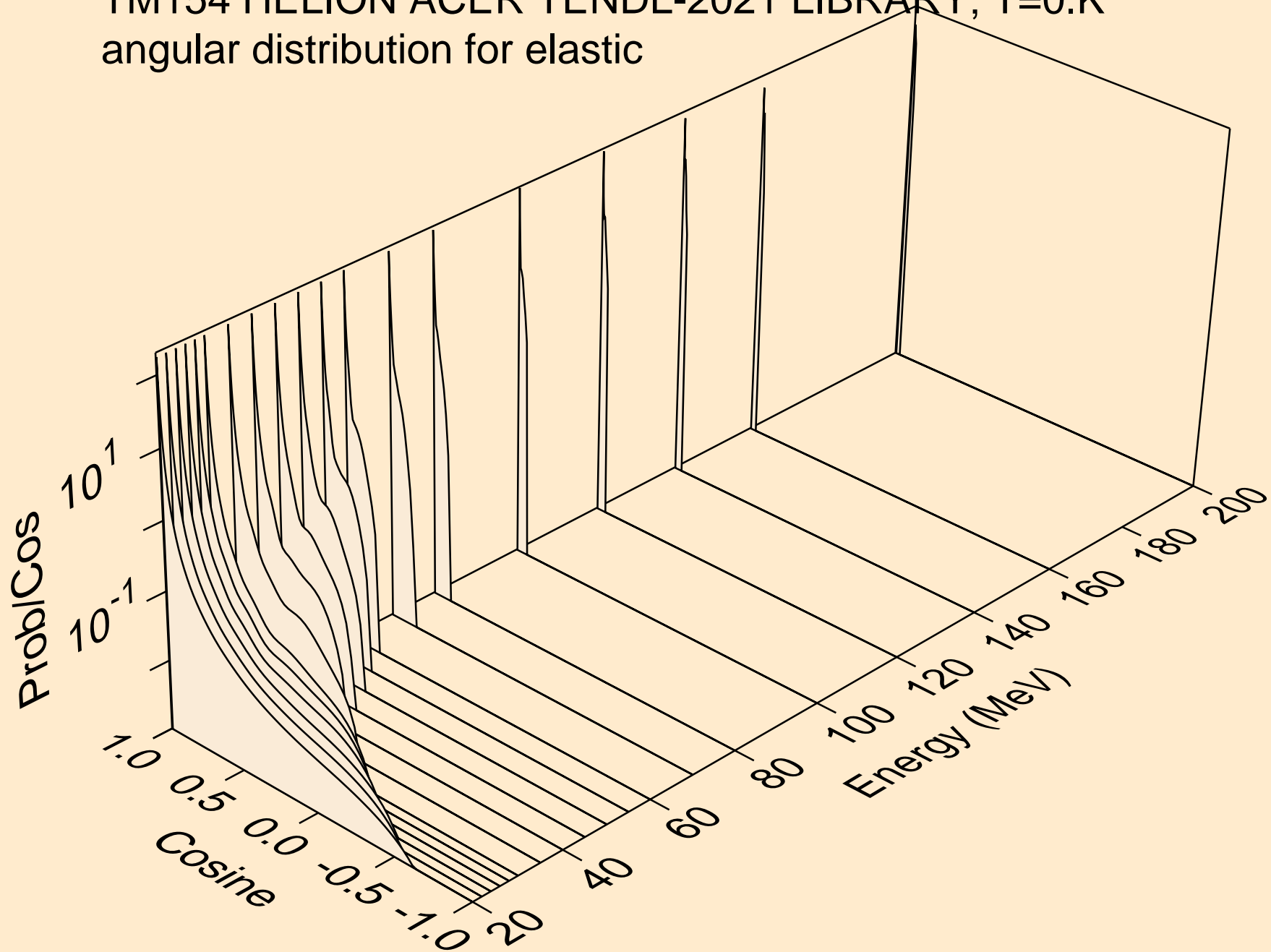
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



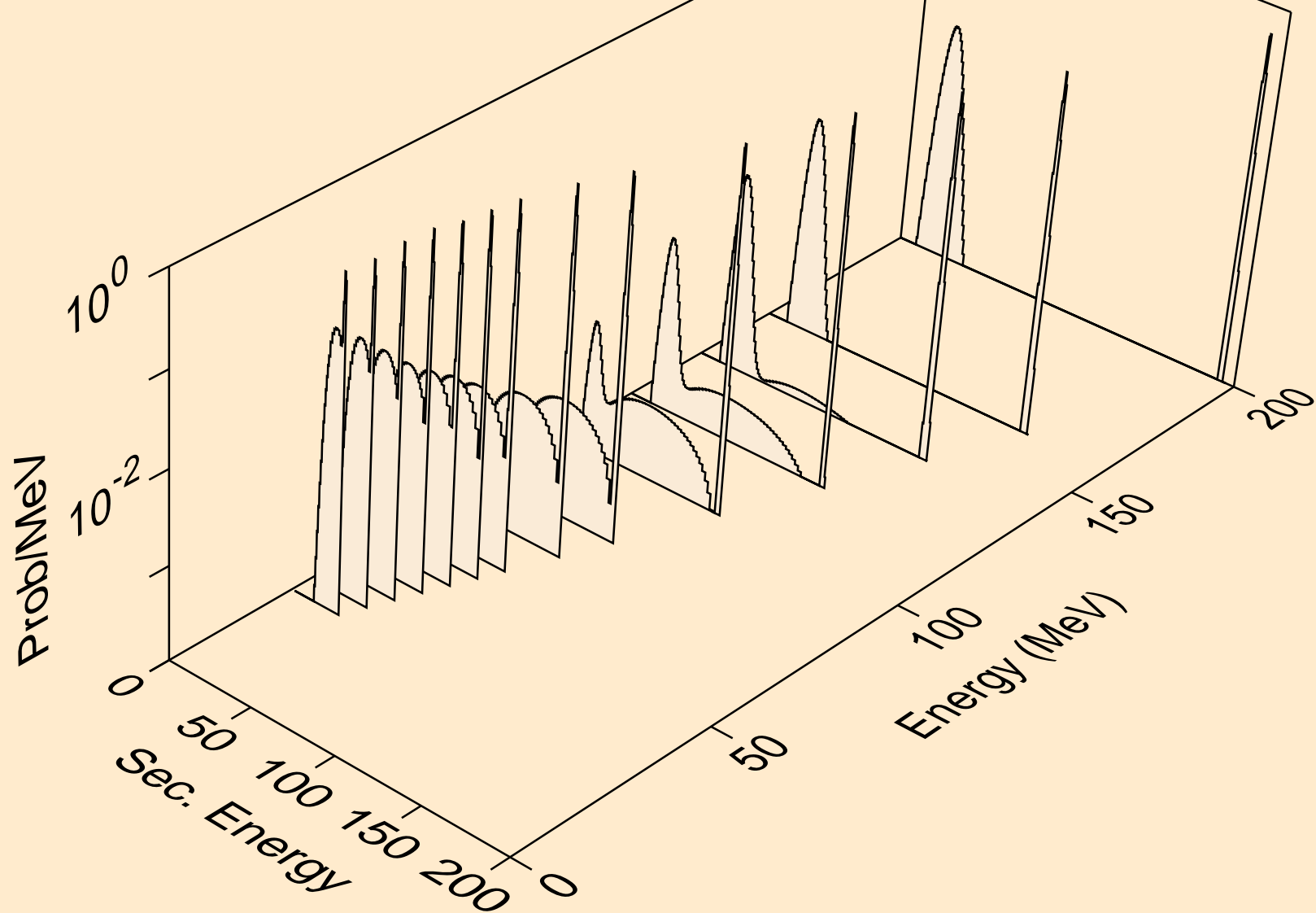
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



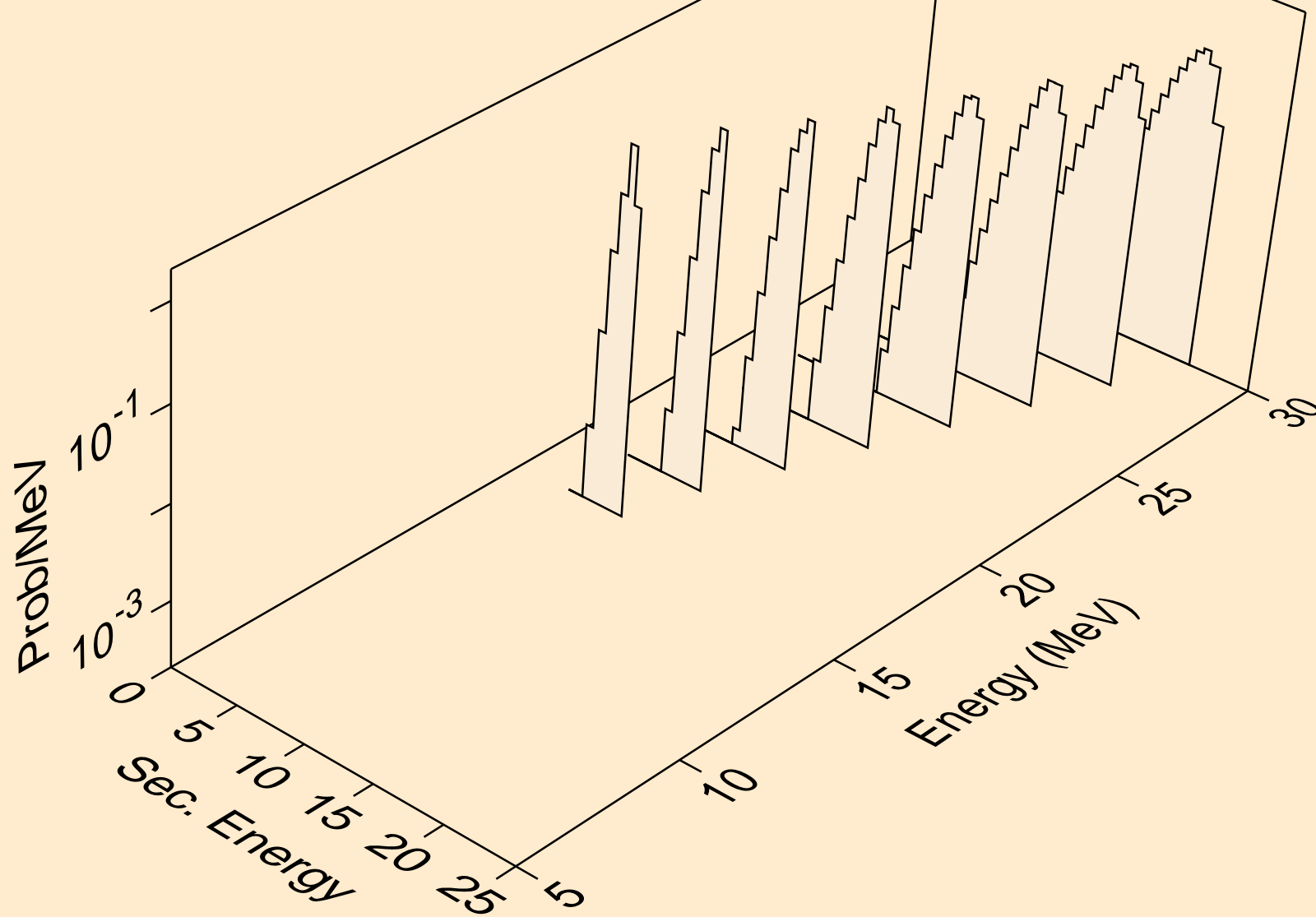
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,x)

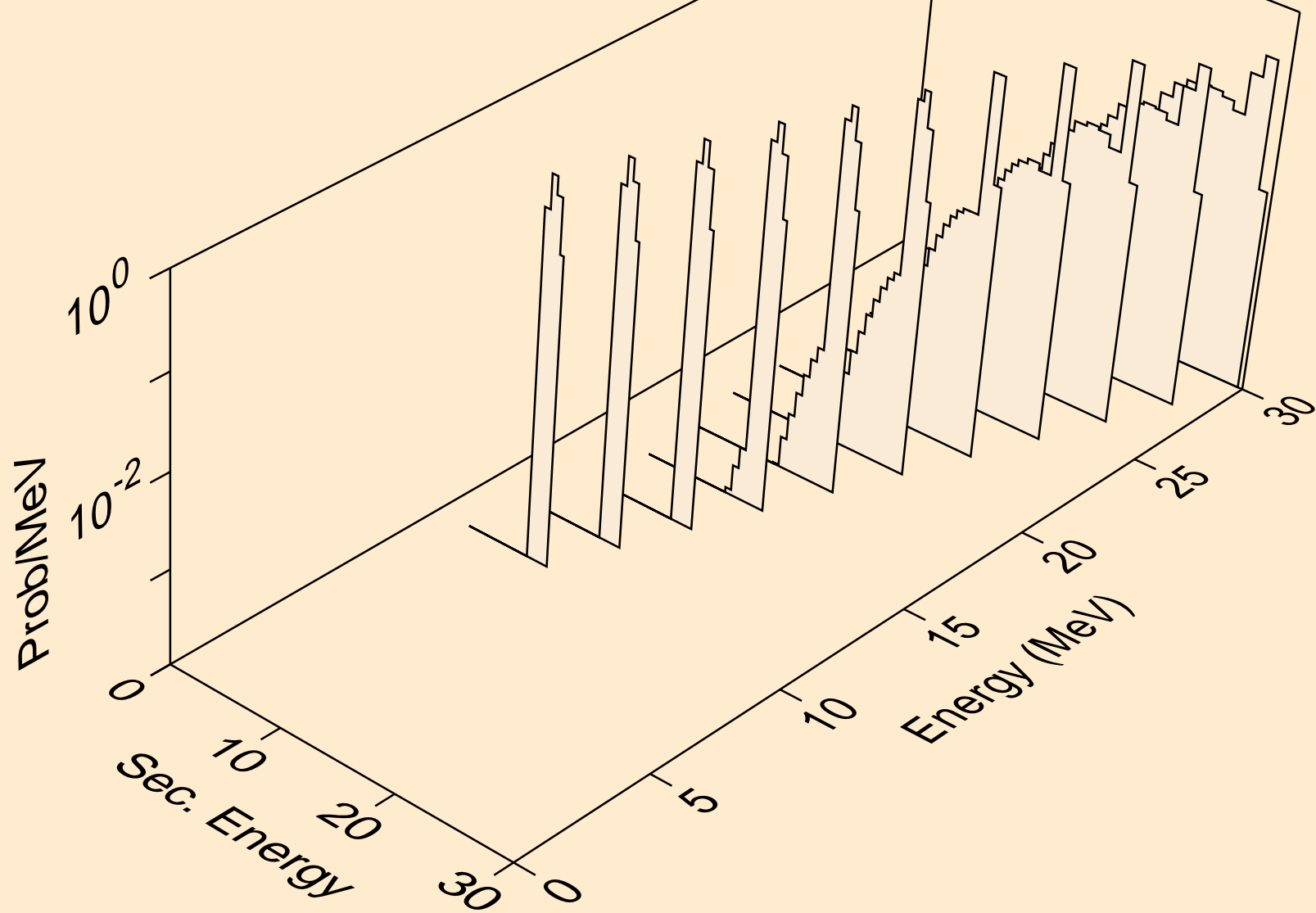


TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

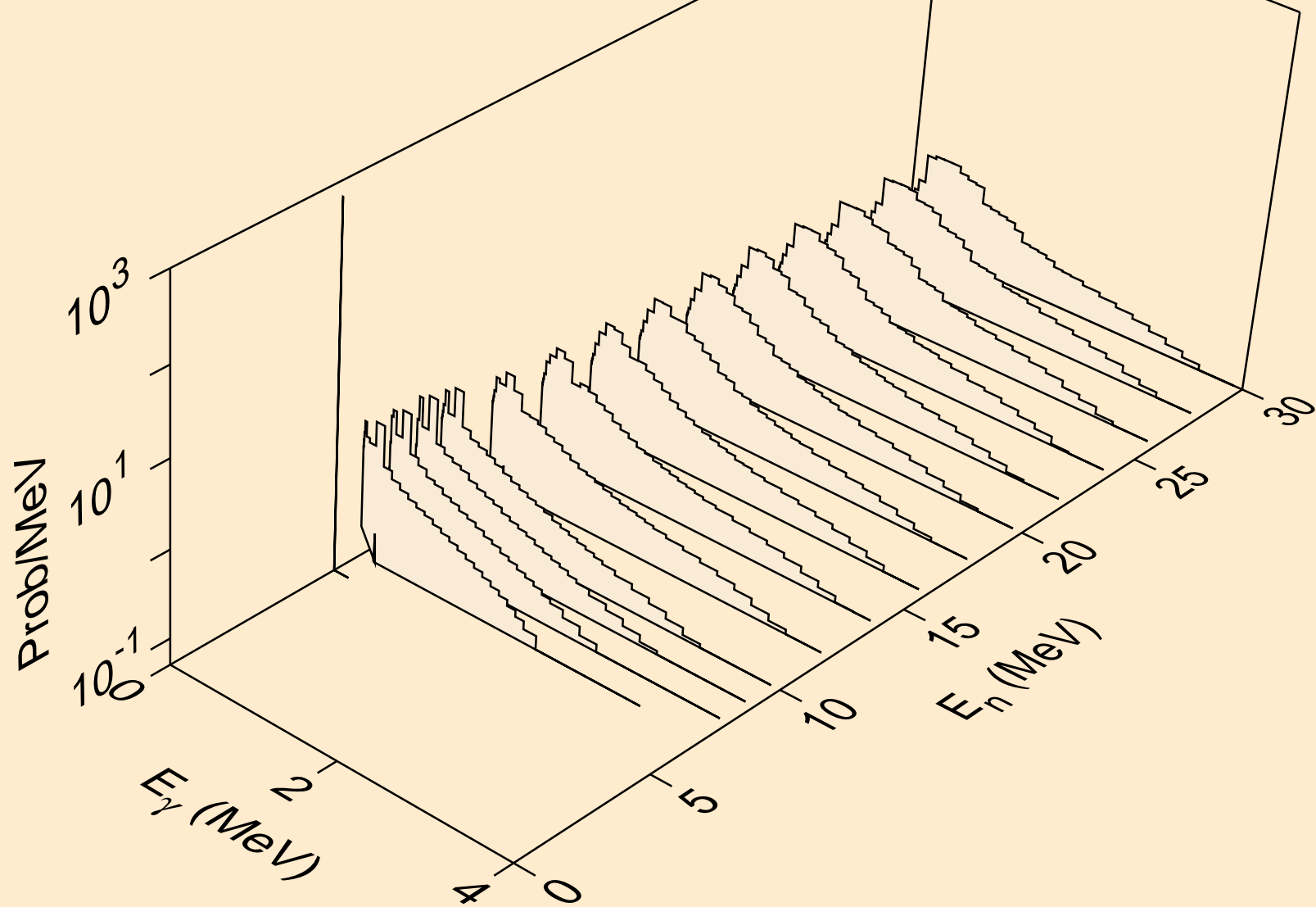




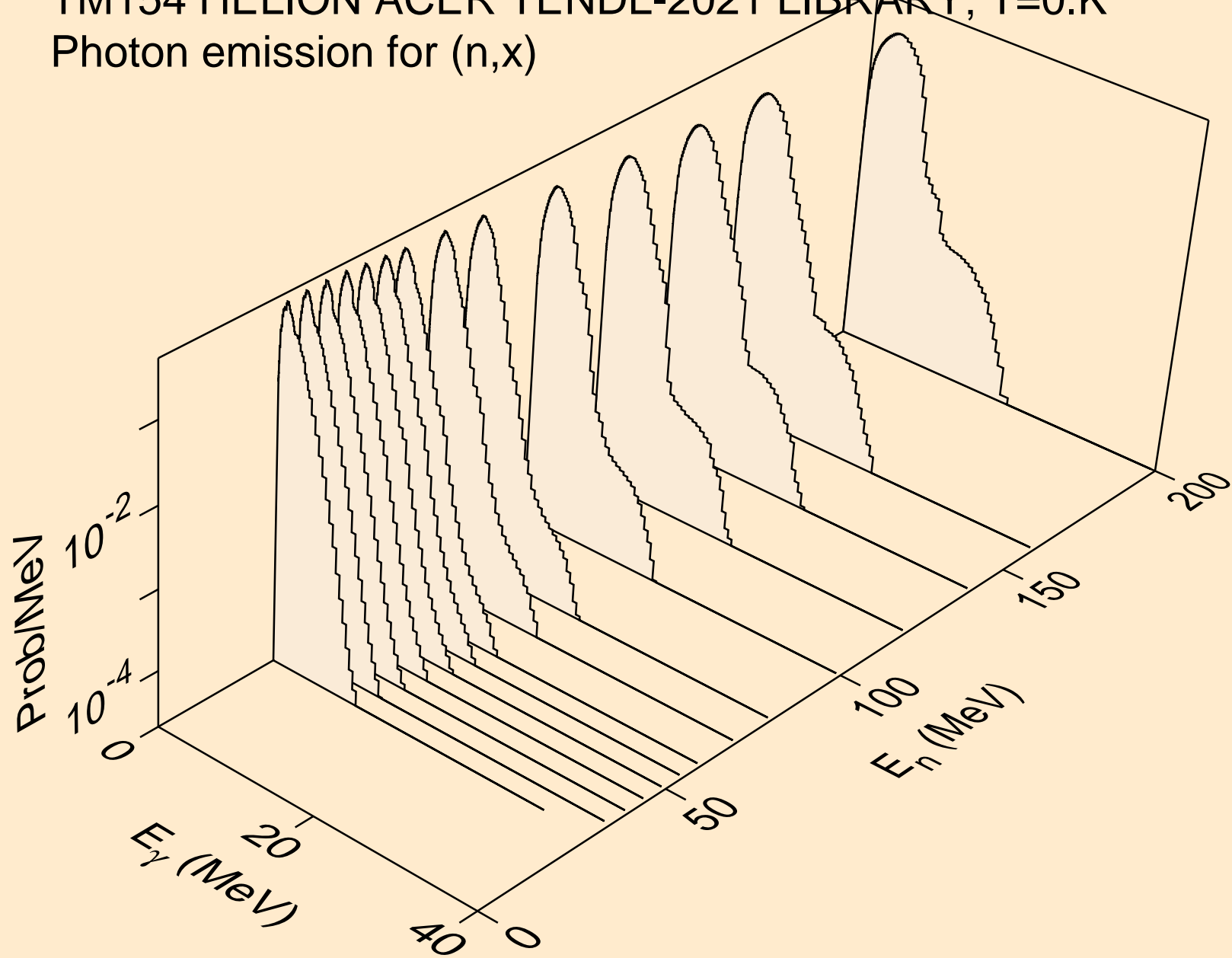
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for inelastic



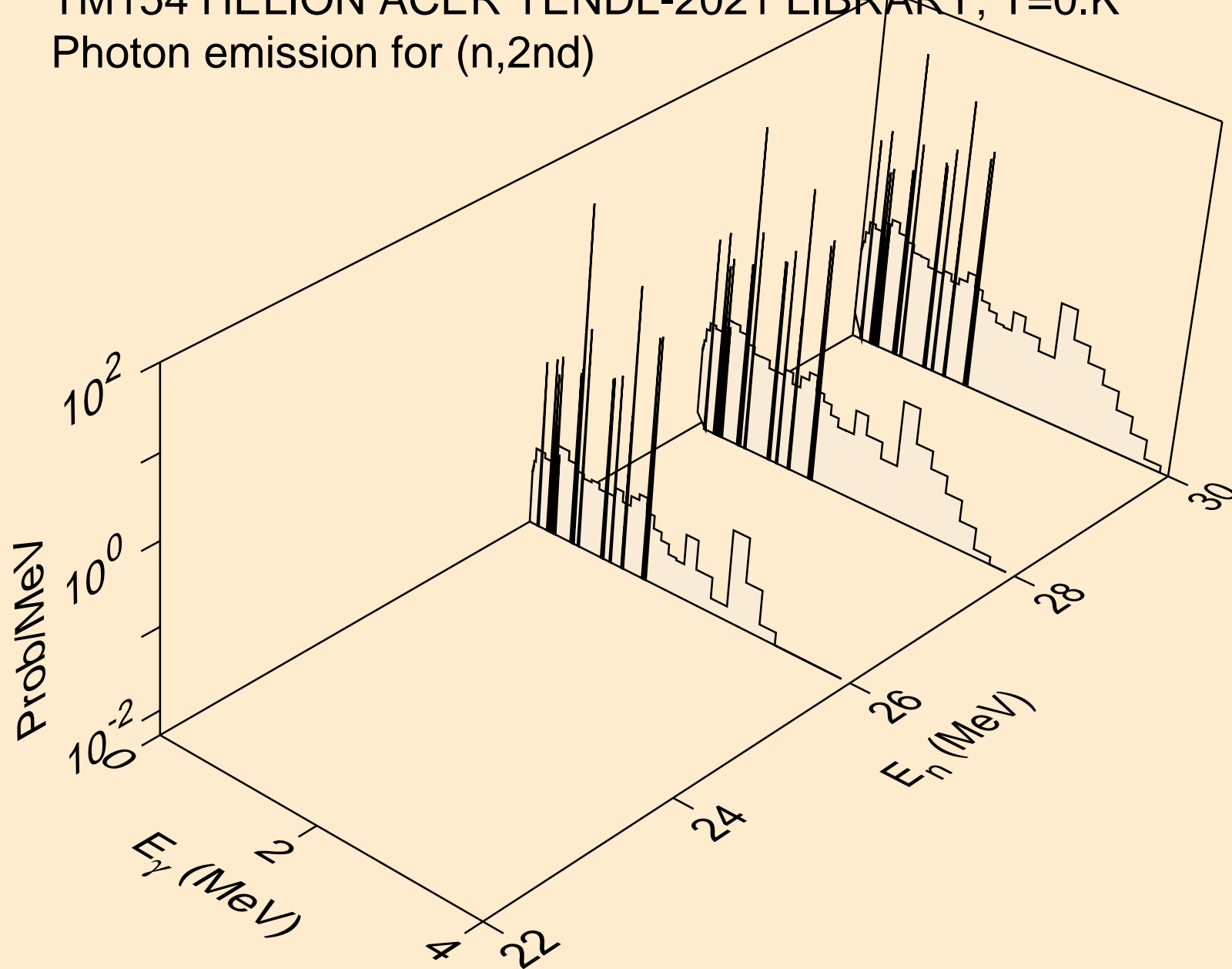
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)



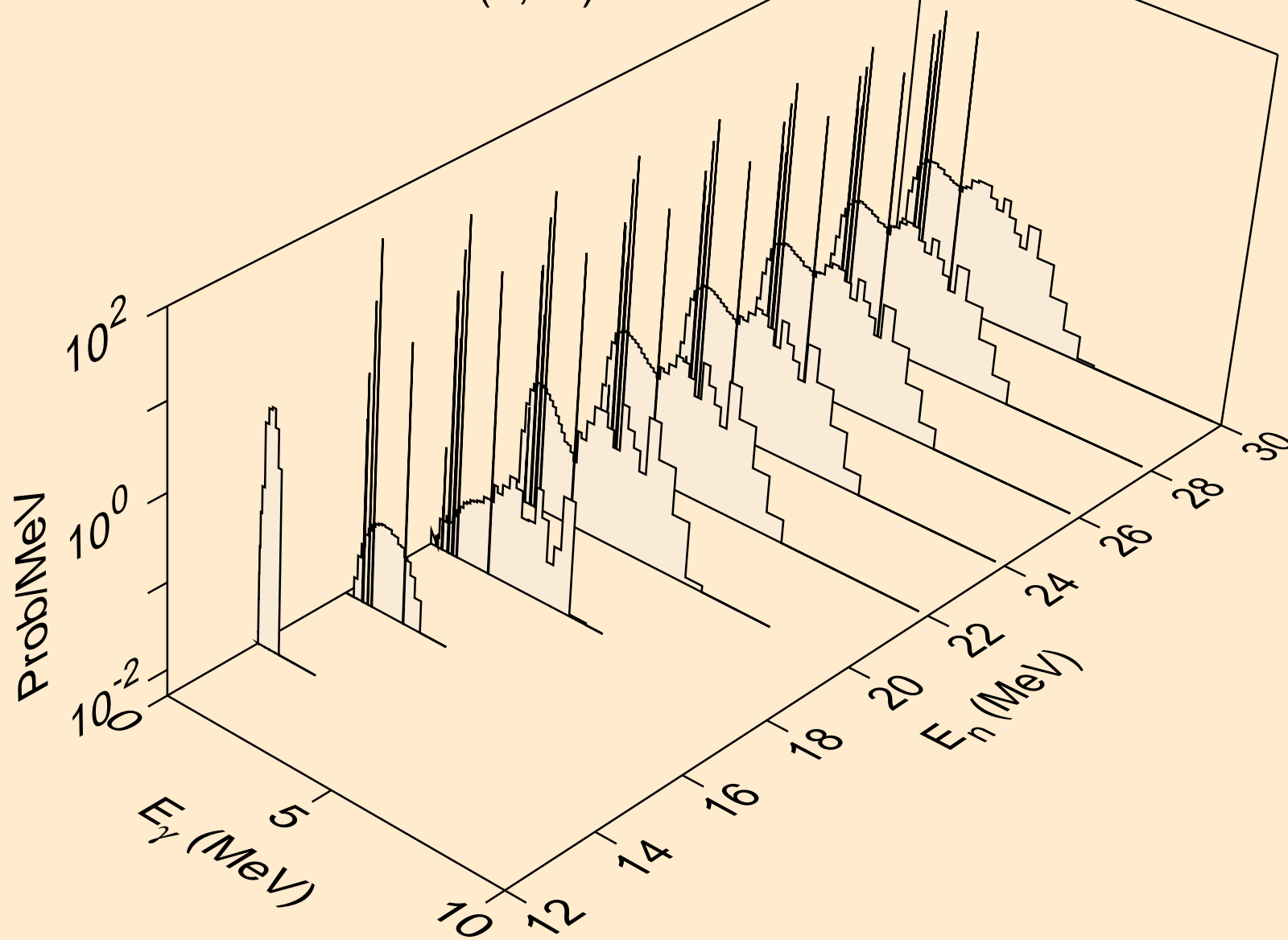
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



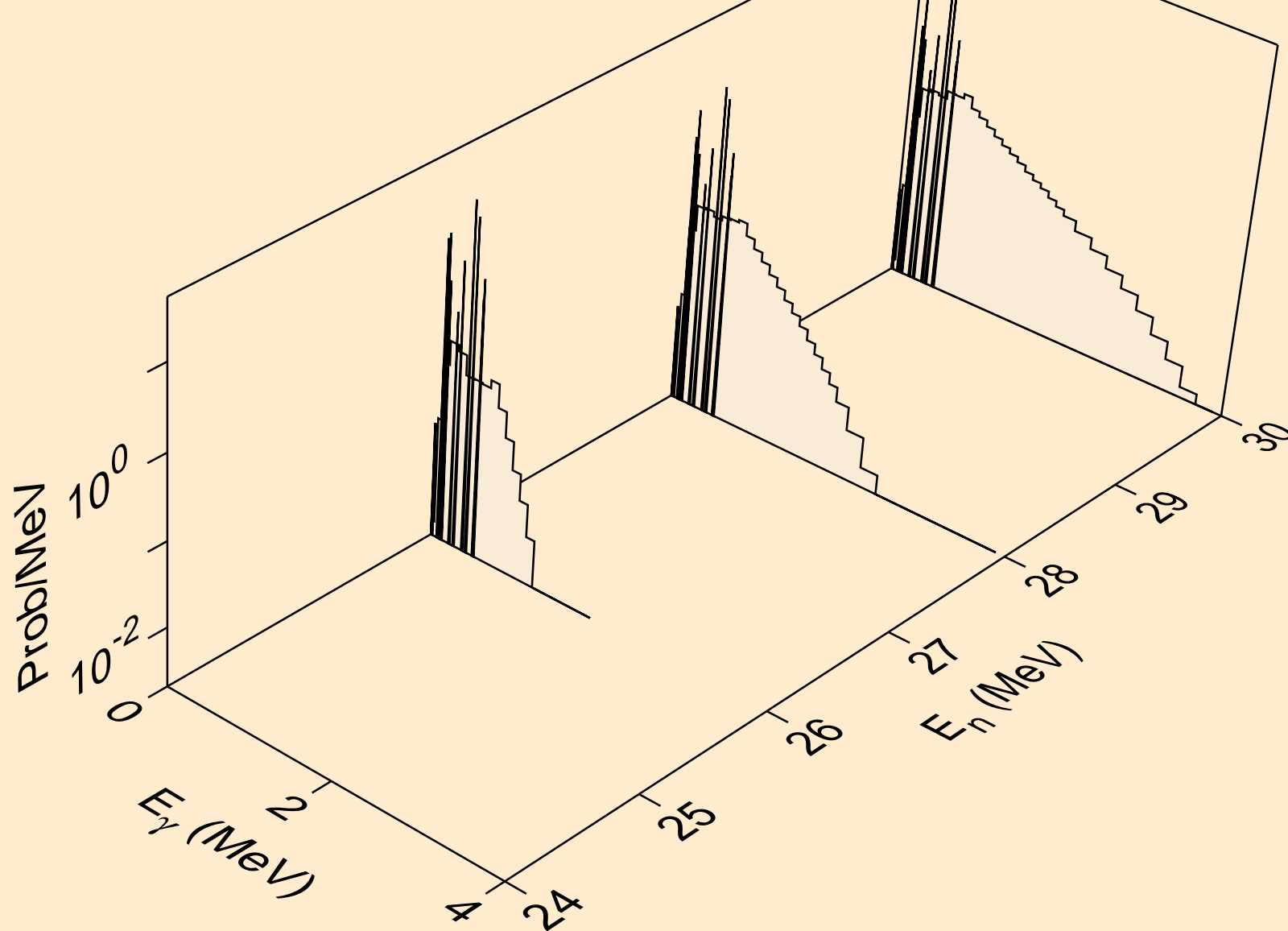
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2nd)



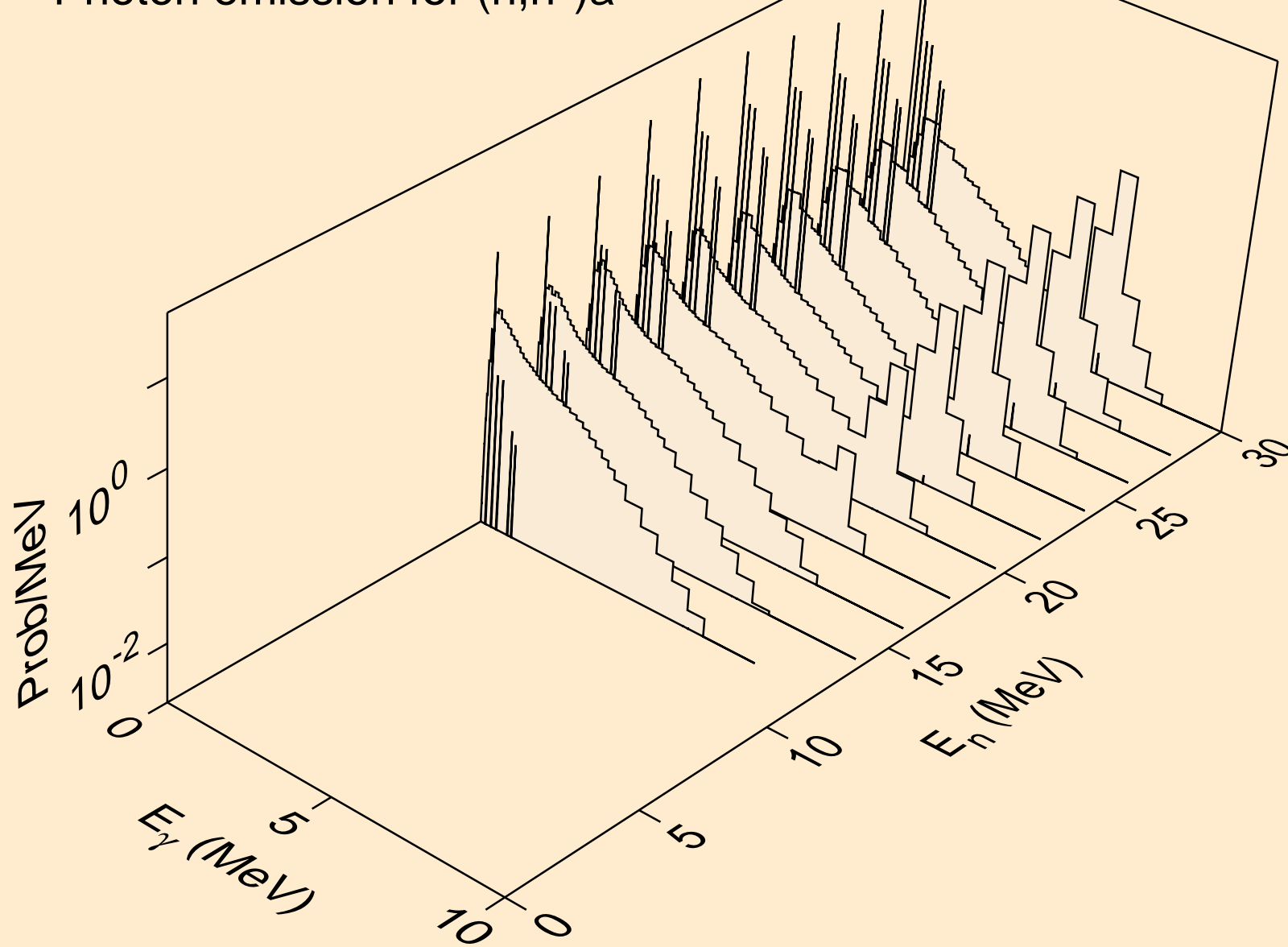
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)



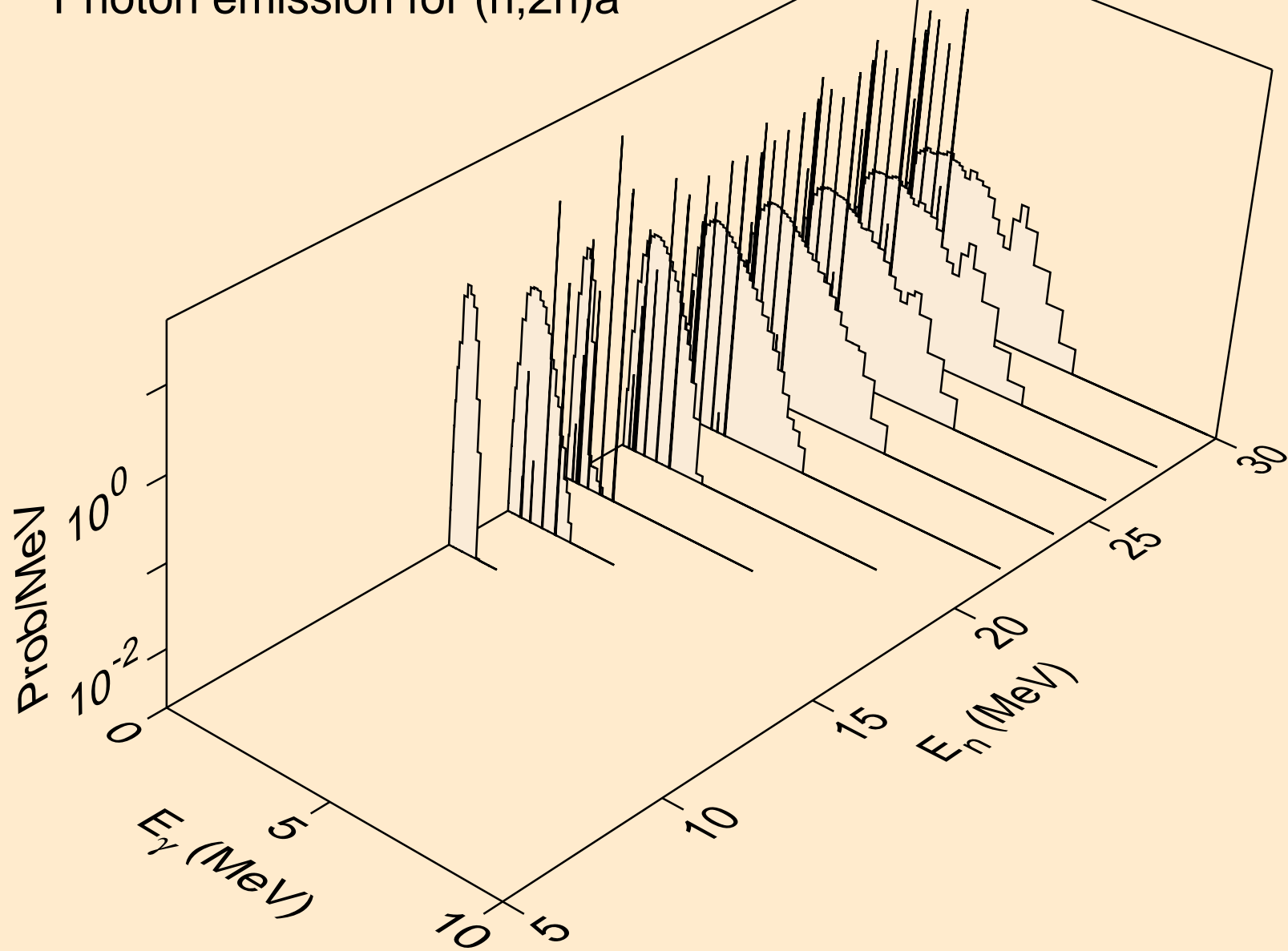
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)



TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

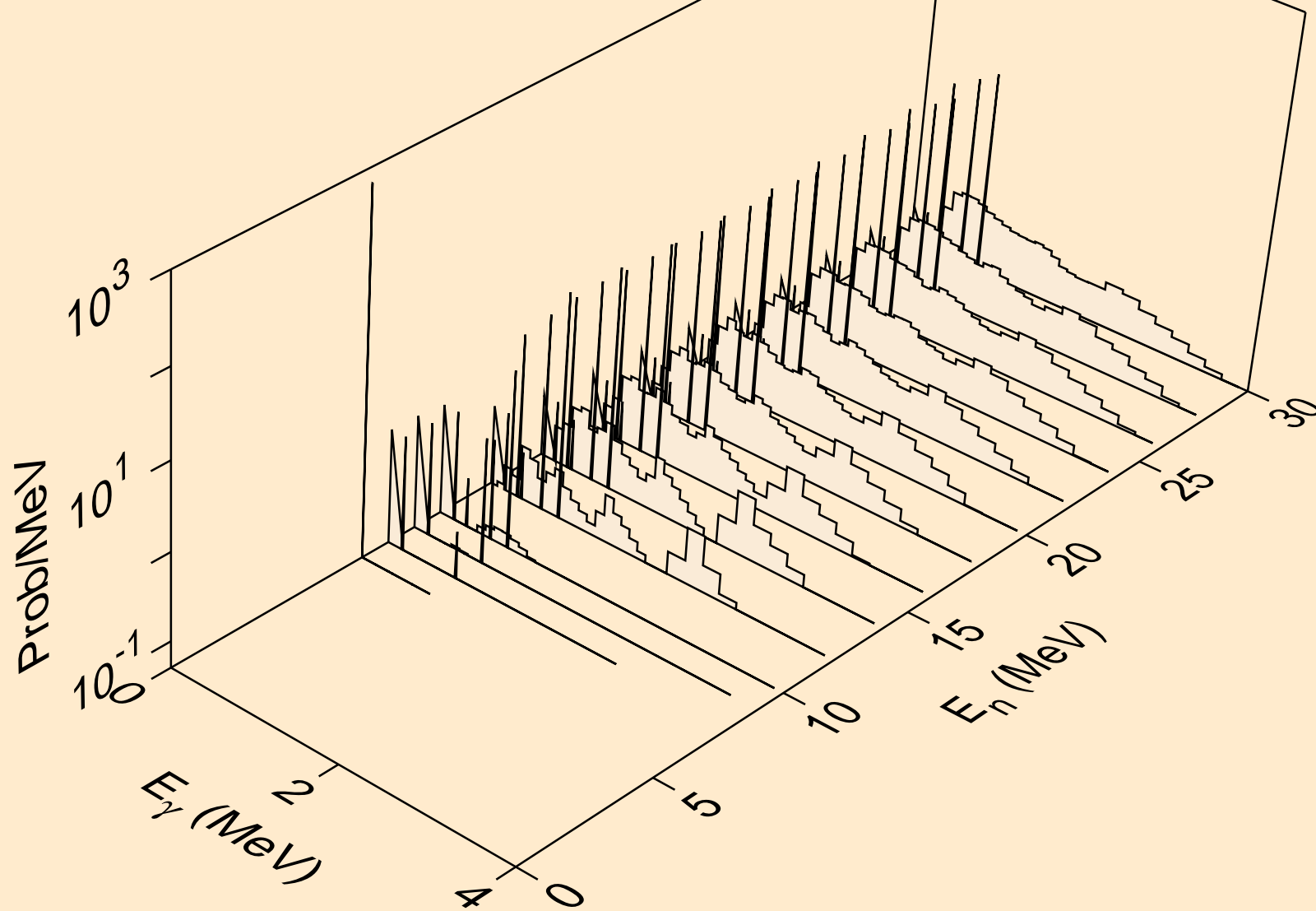


TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)a

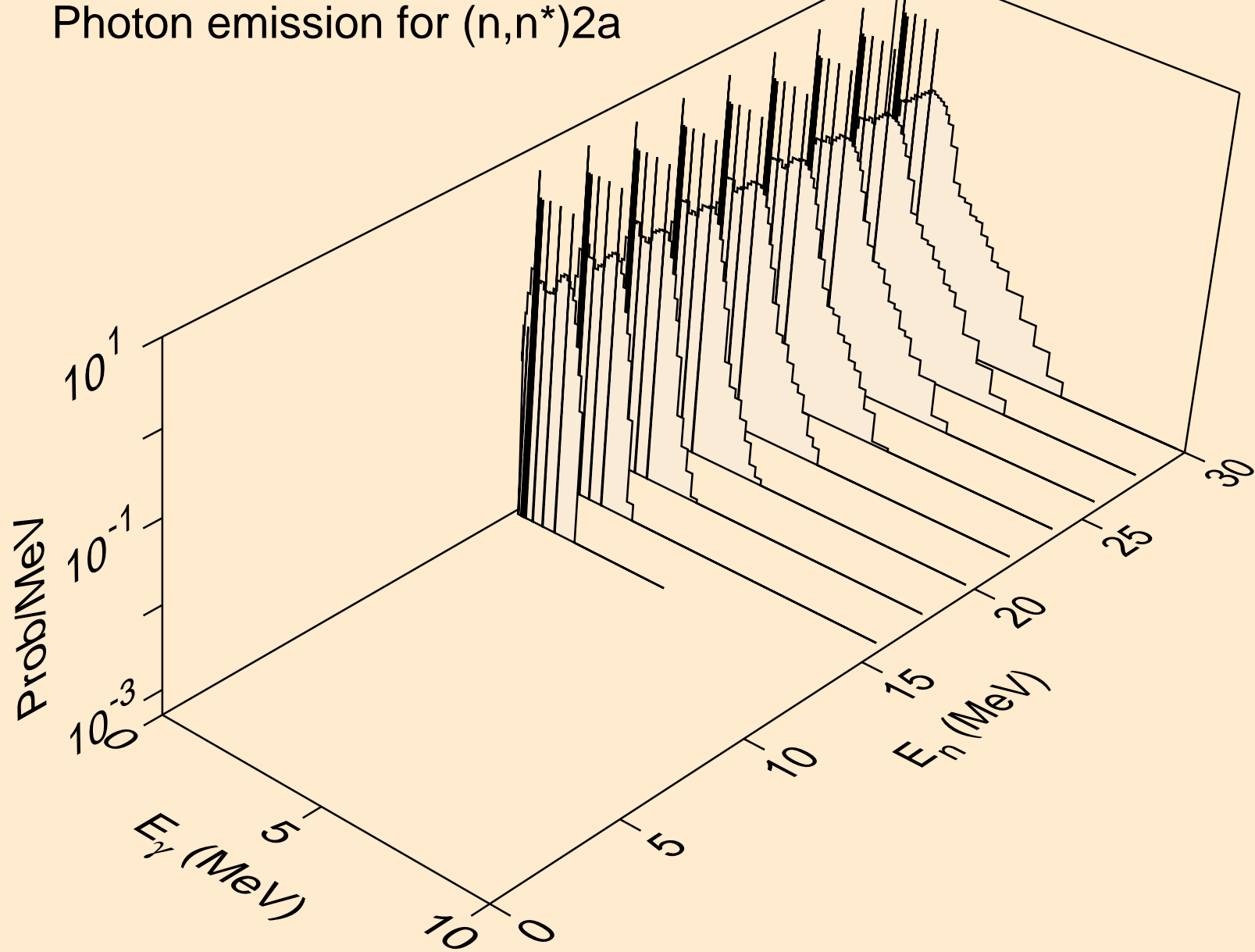




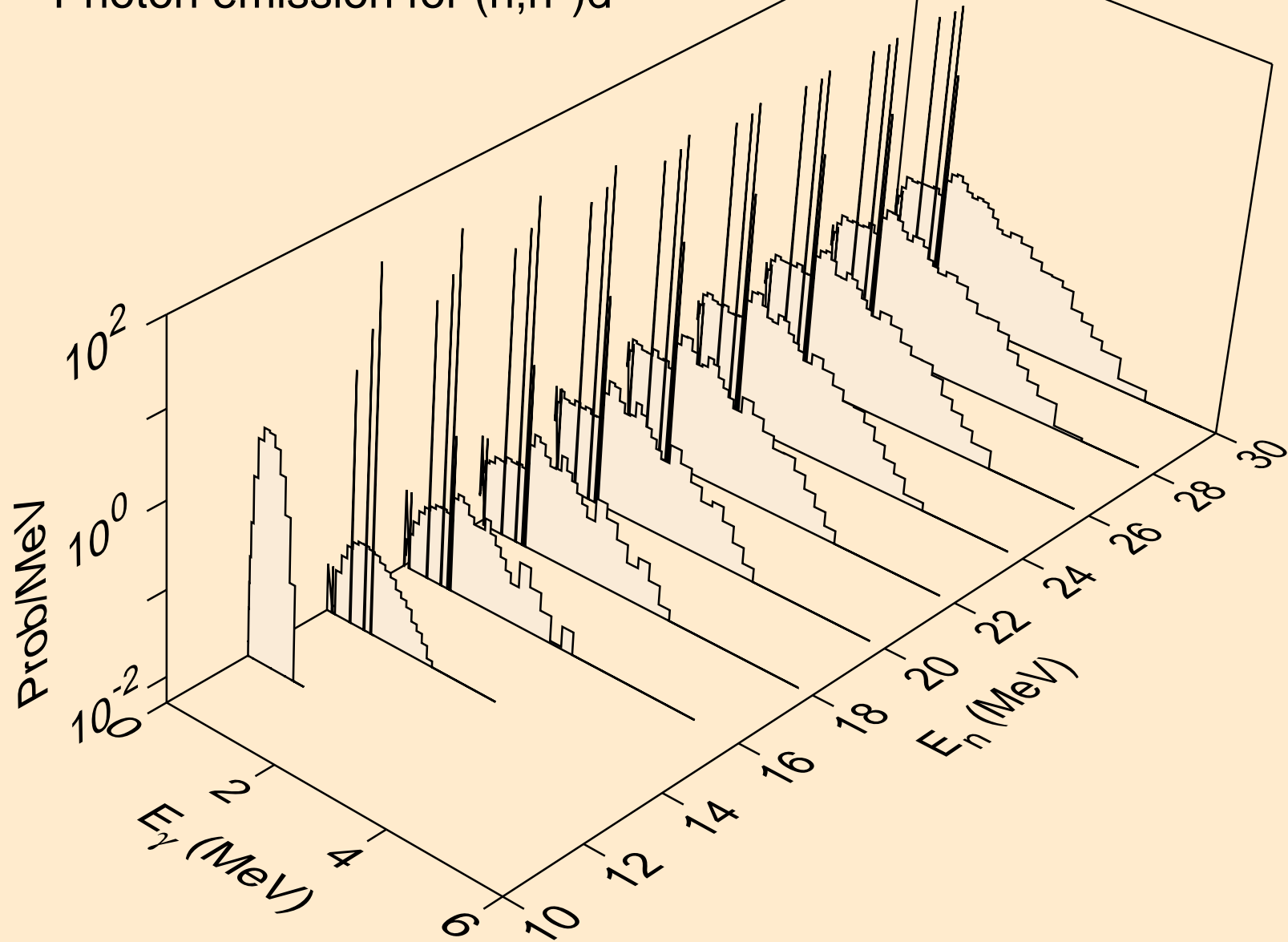
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



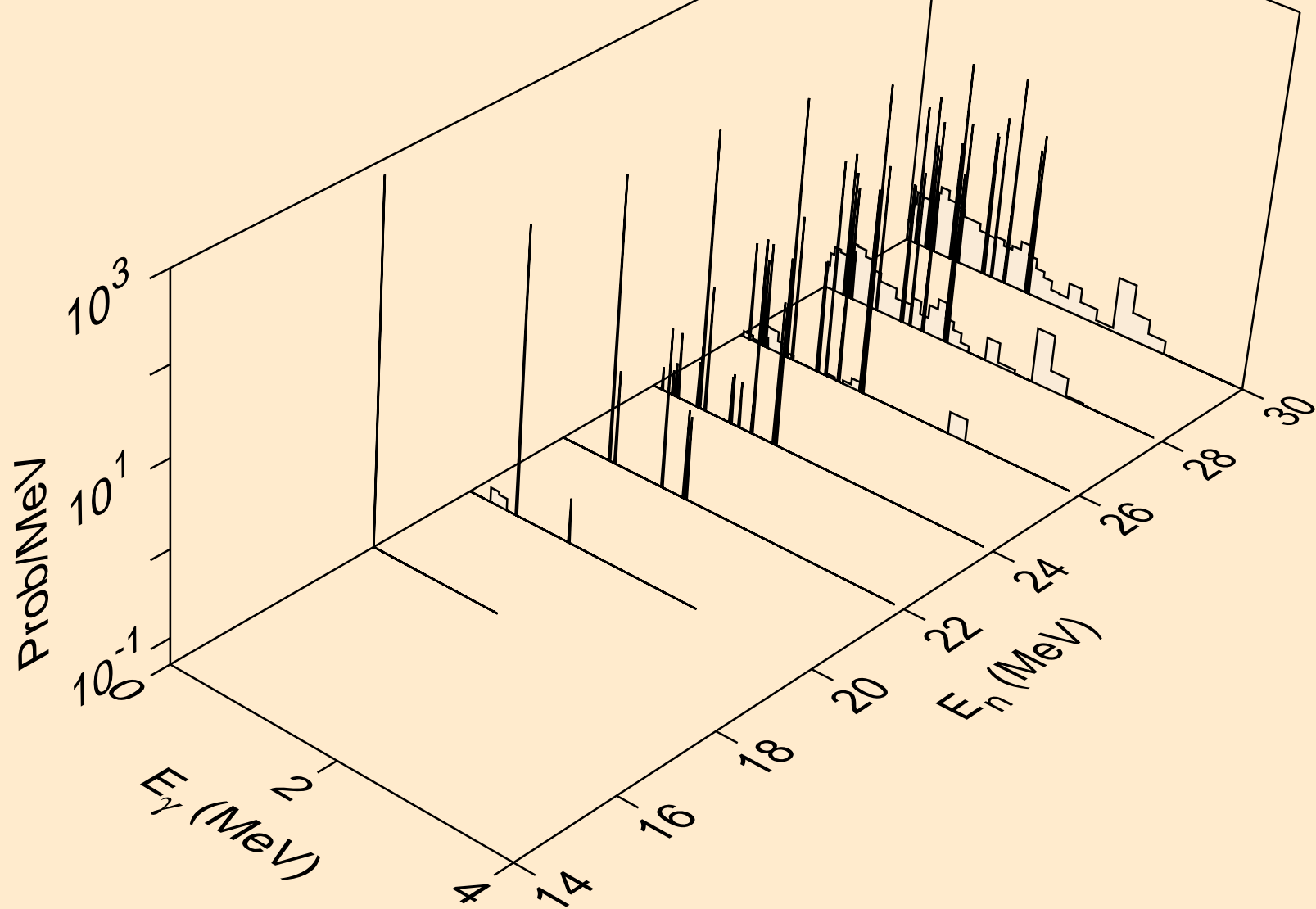
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



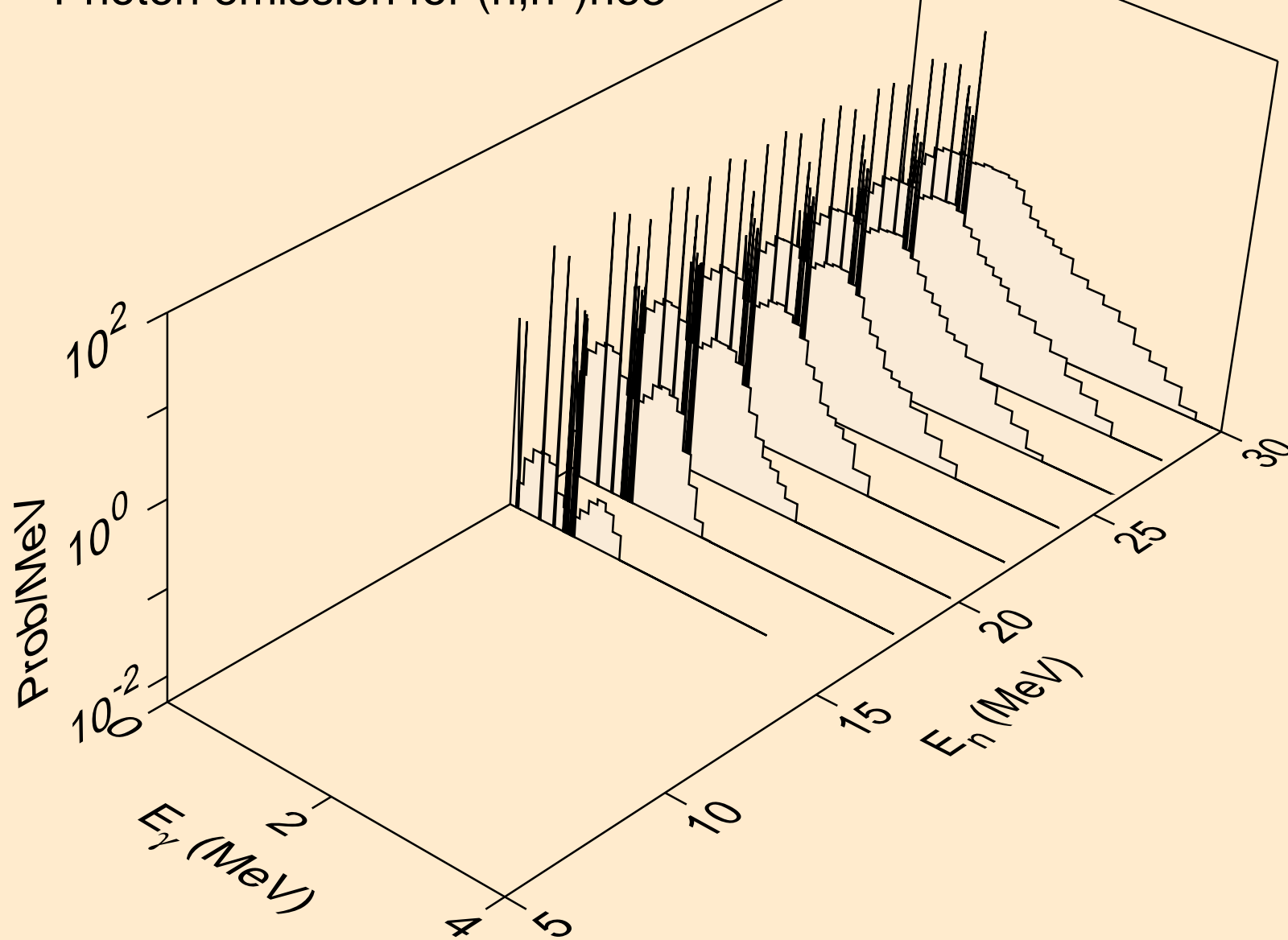
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



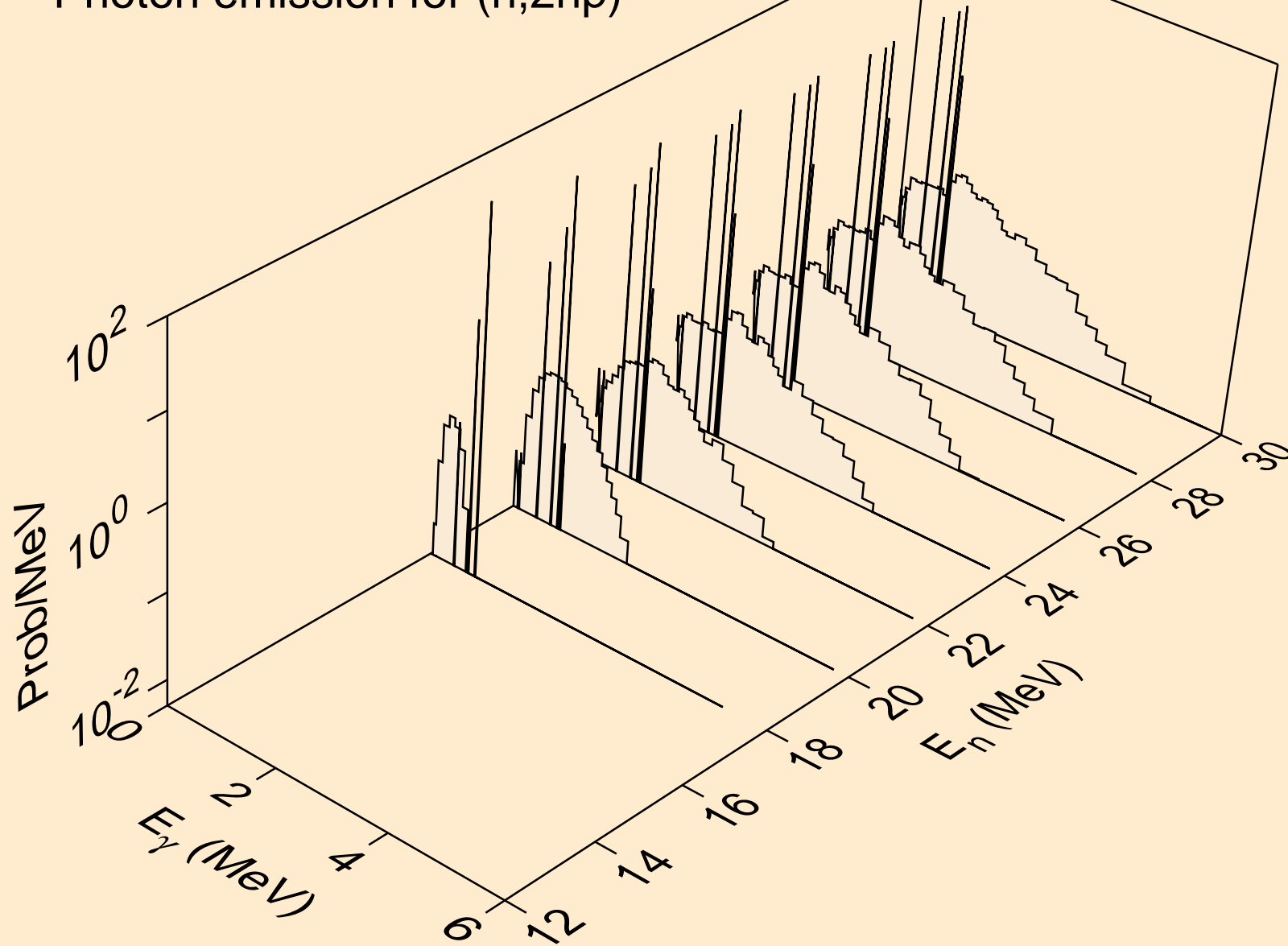
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



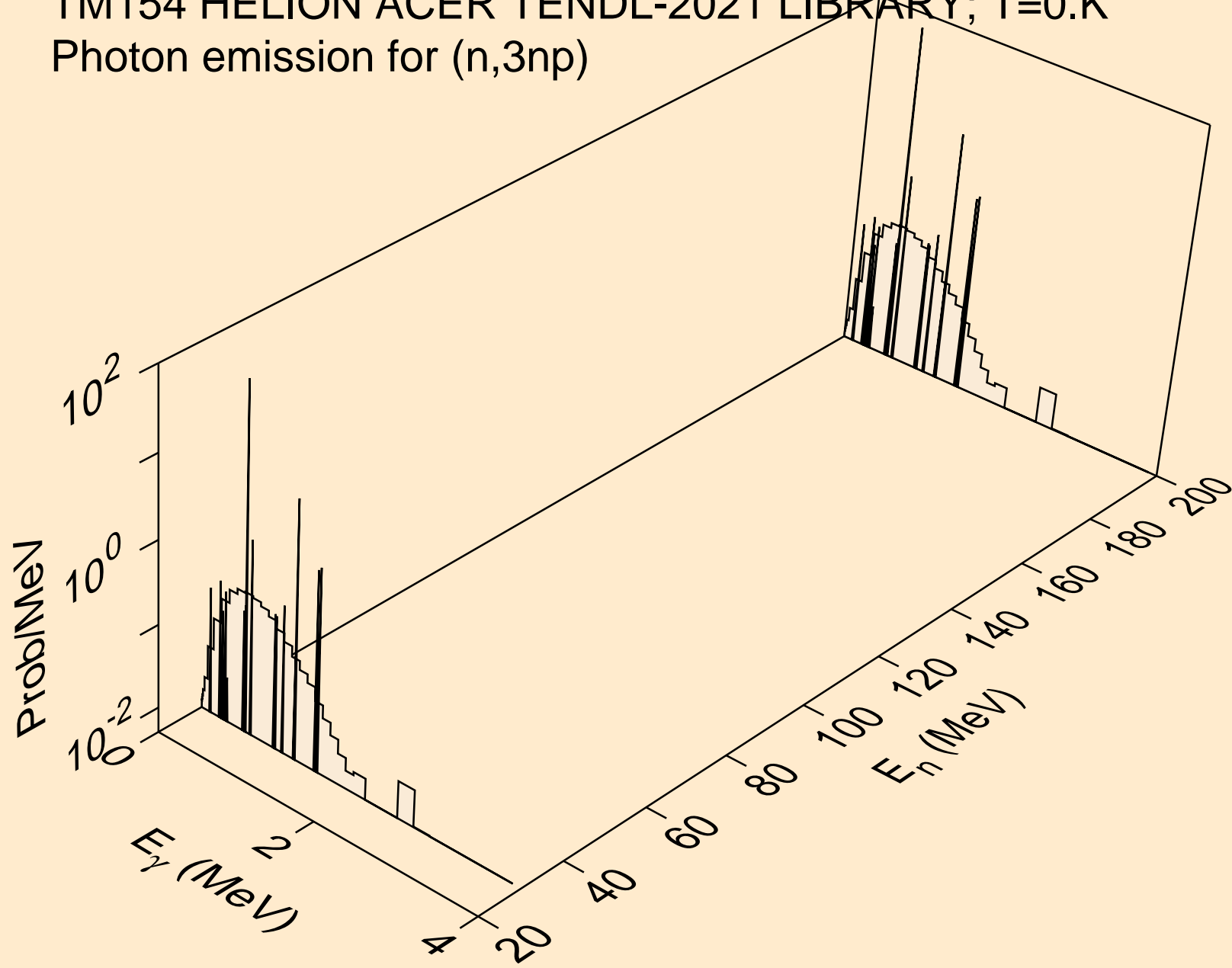
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



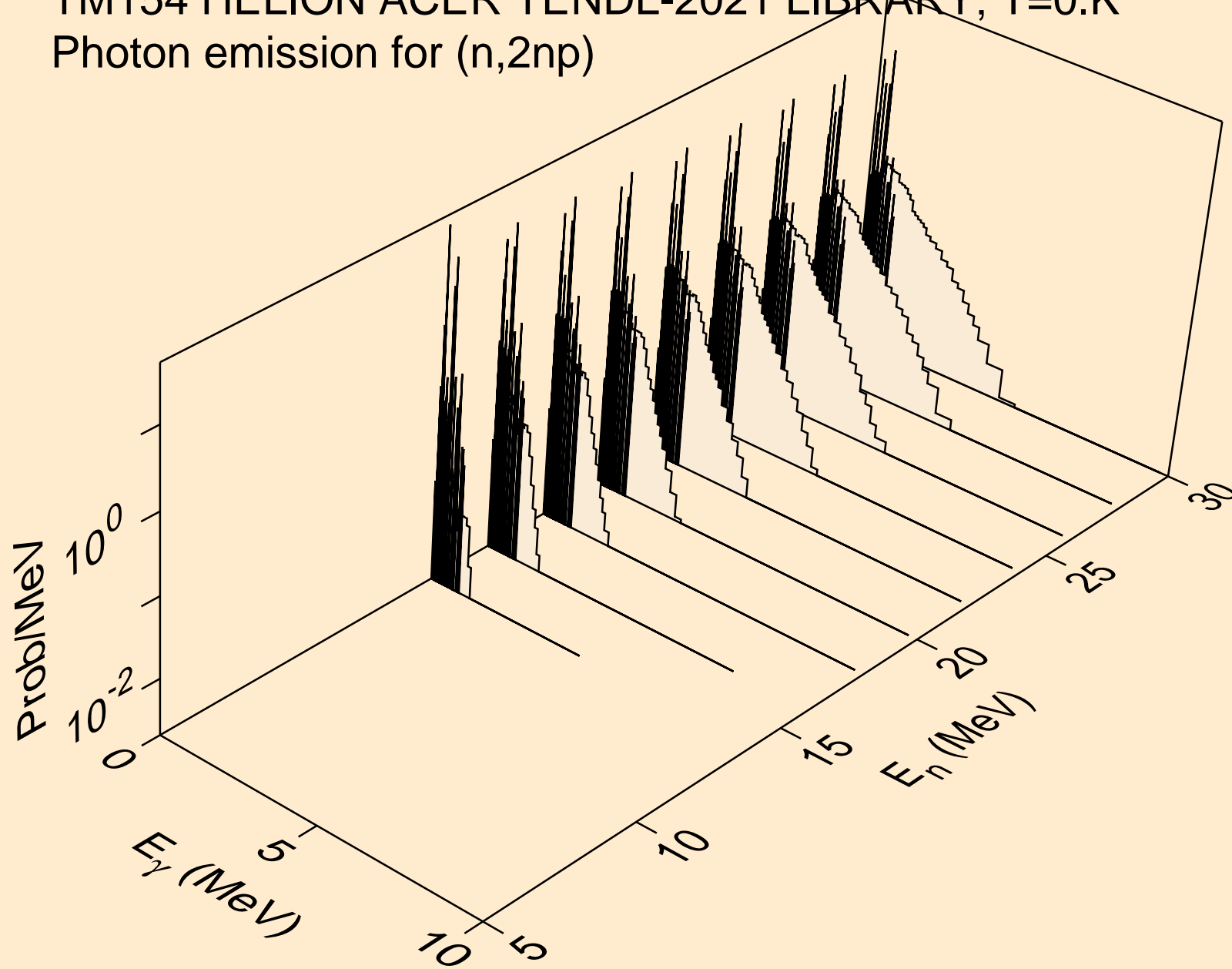
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3np)

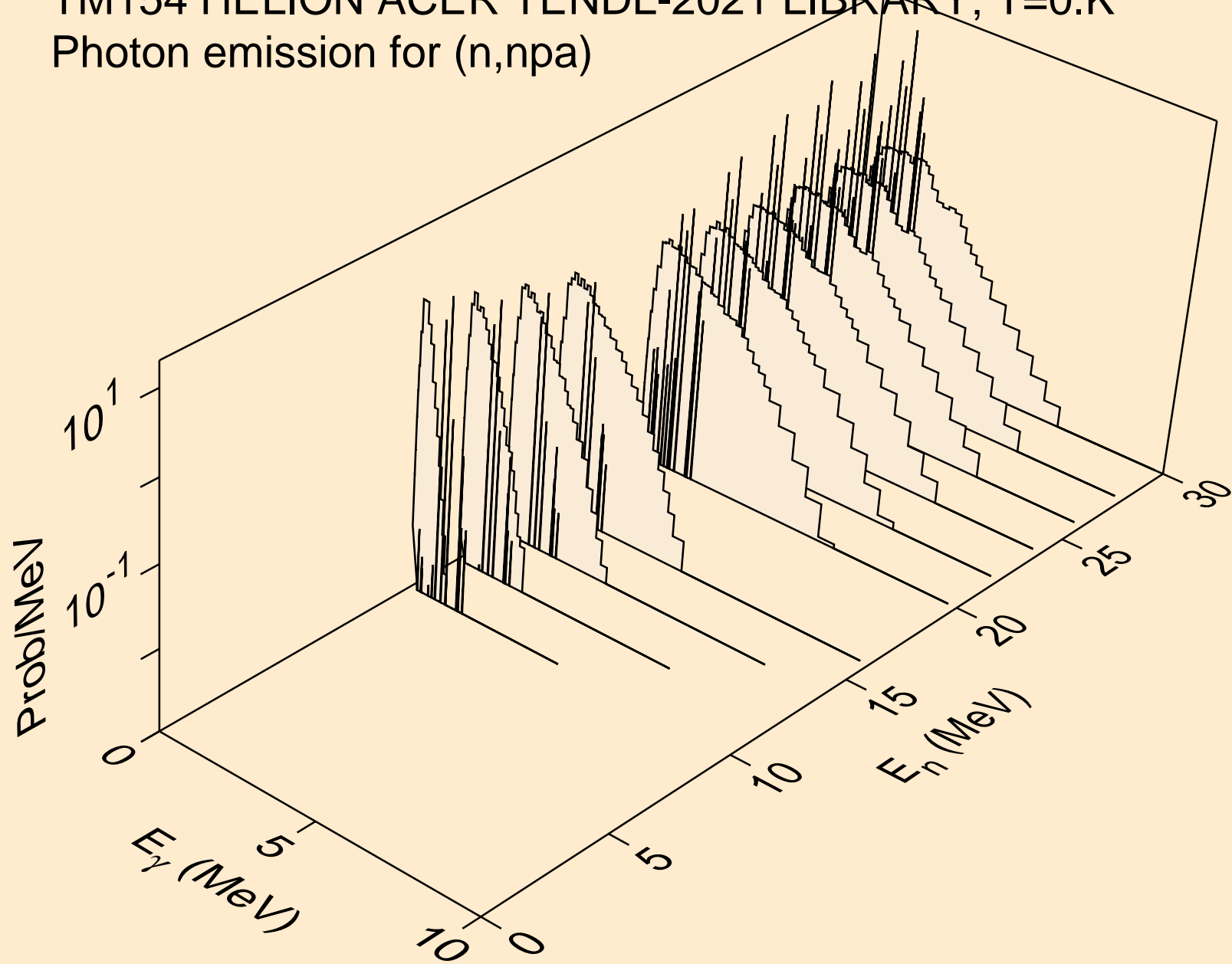


TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)

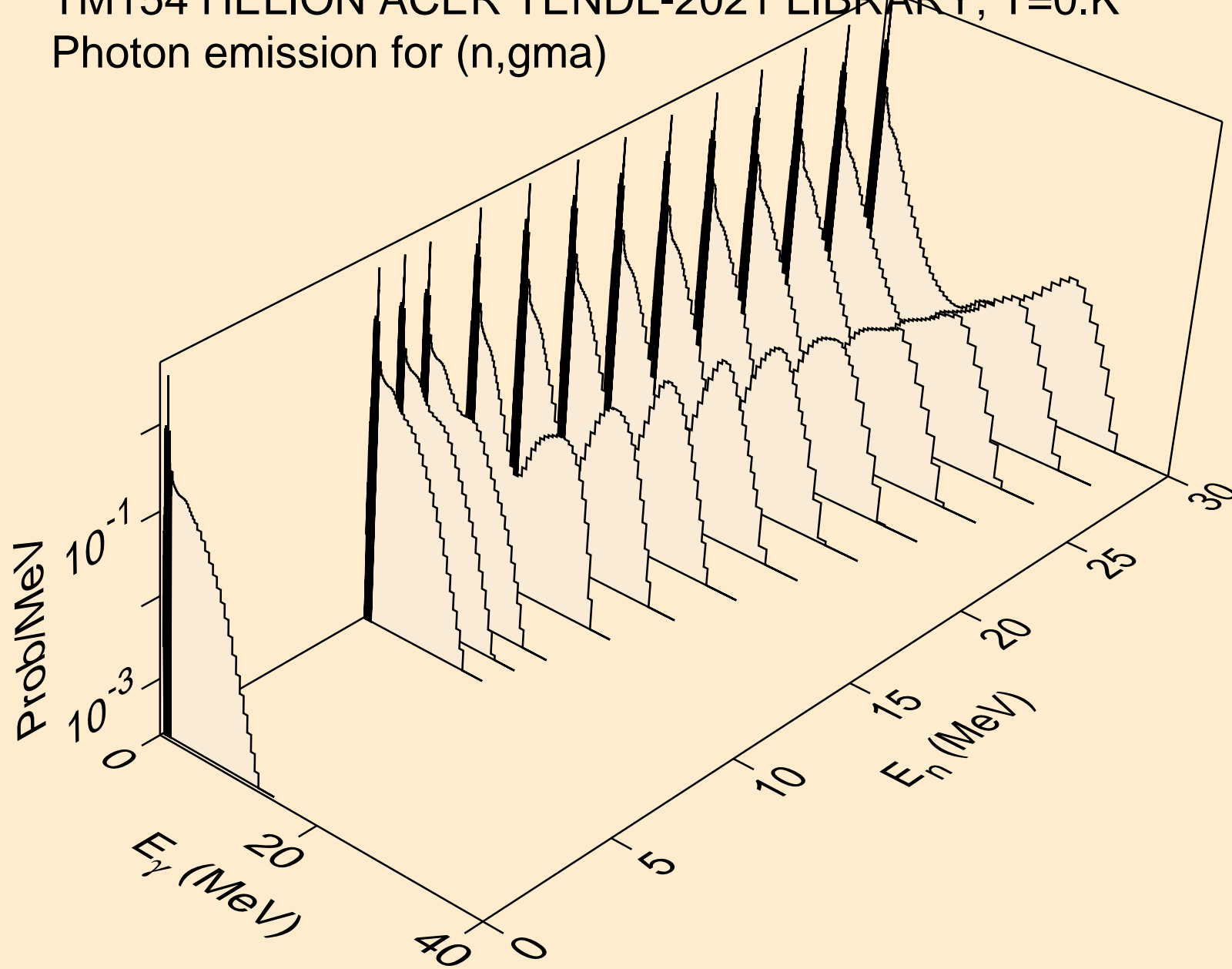




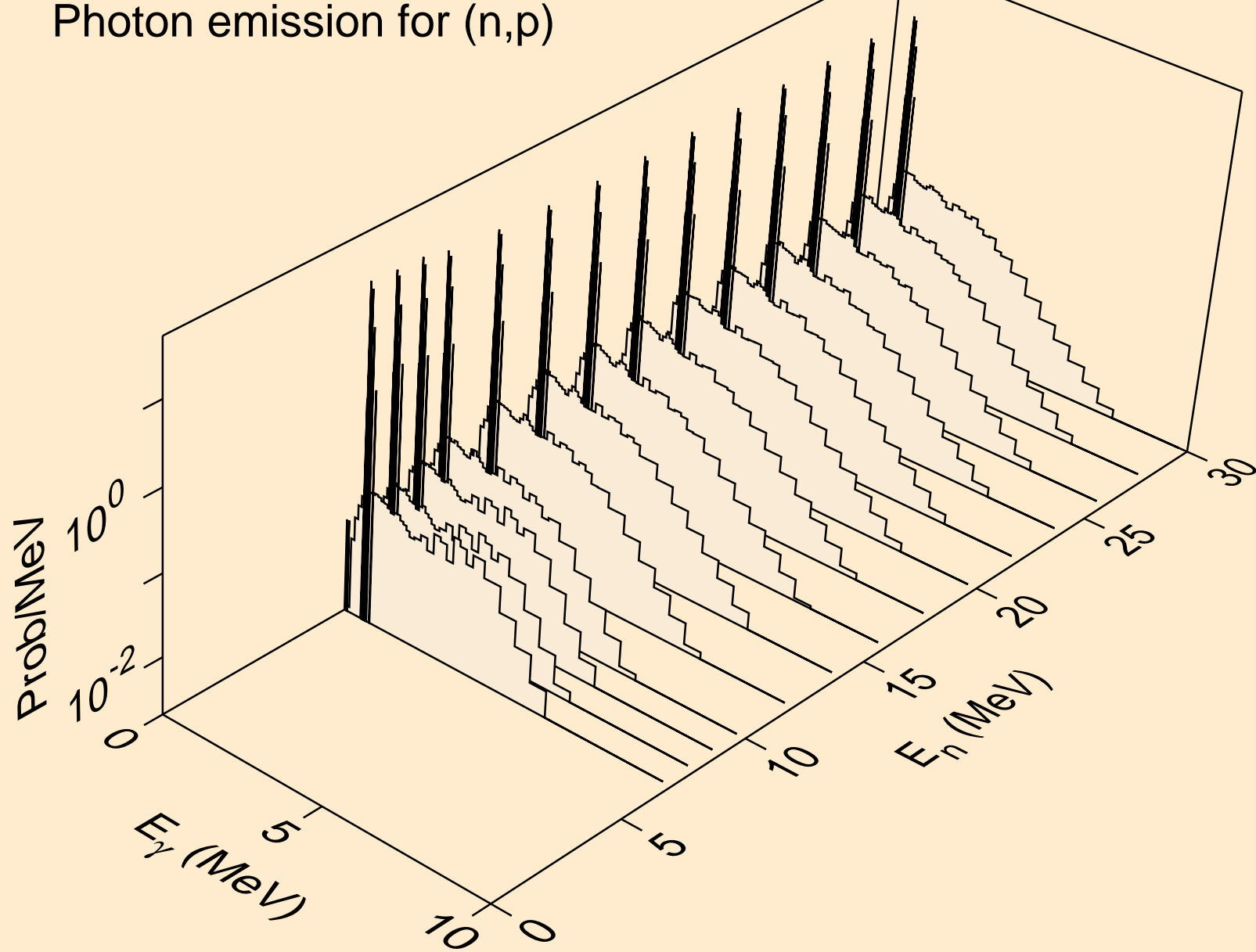
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,npa)



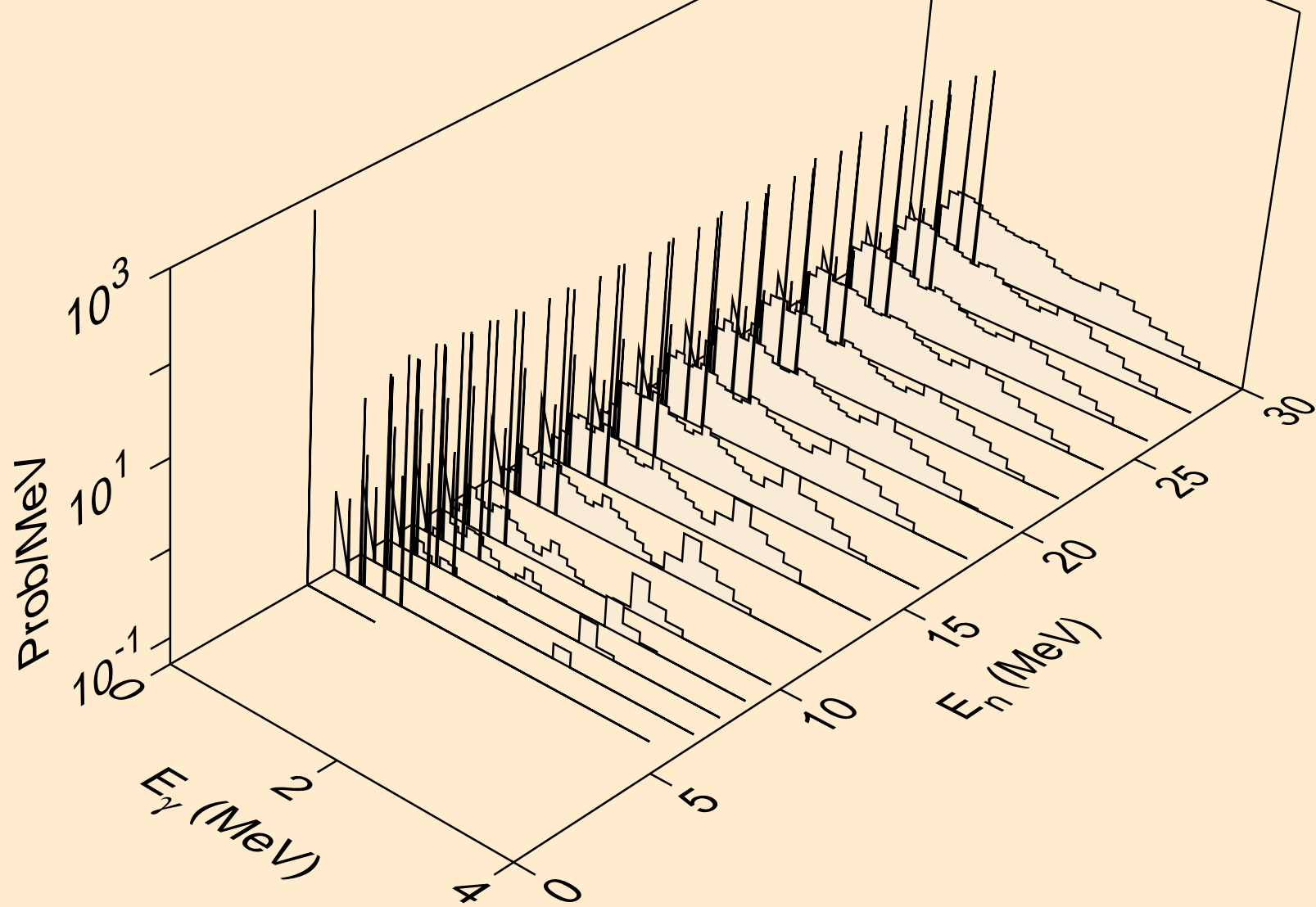
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Photon emission for (n,gma)



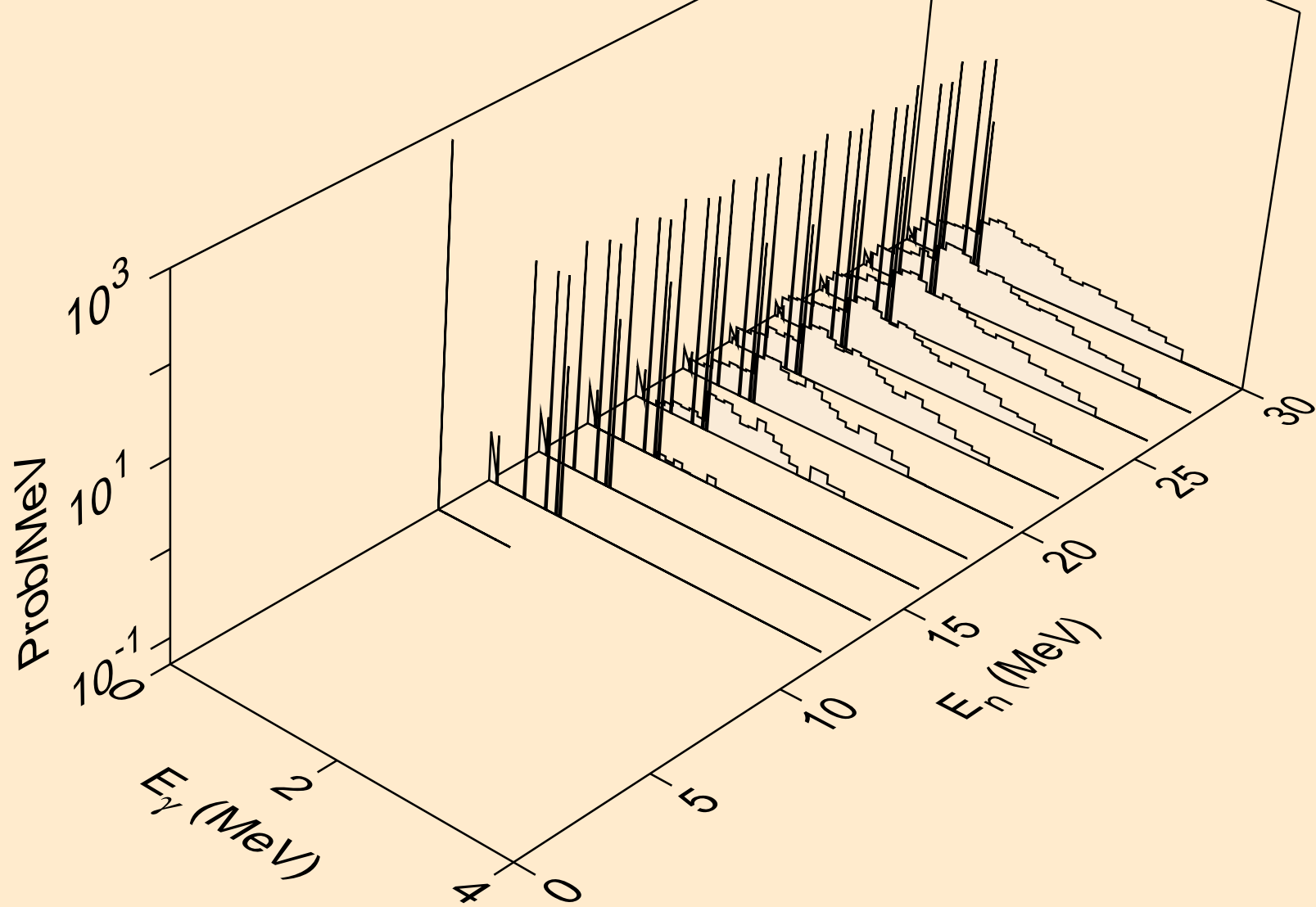
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Photon emission for (n,p)



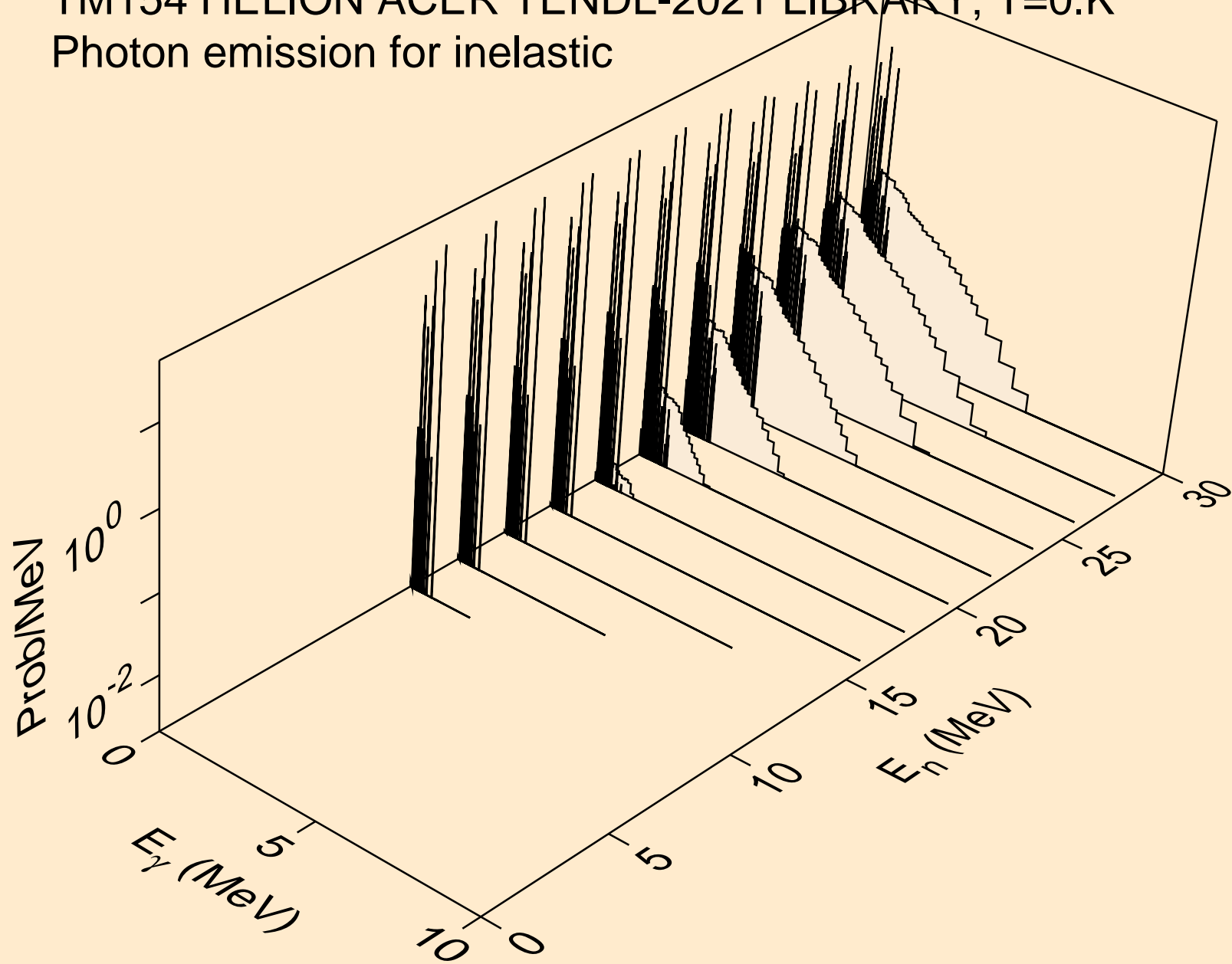
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,d)



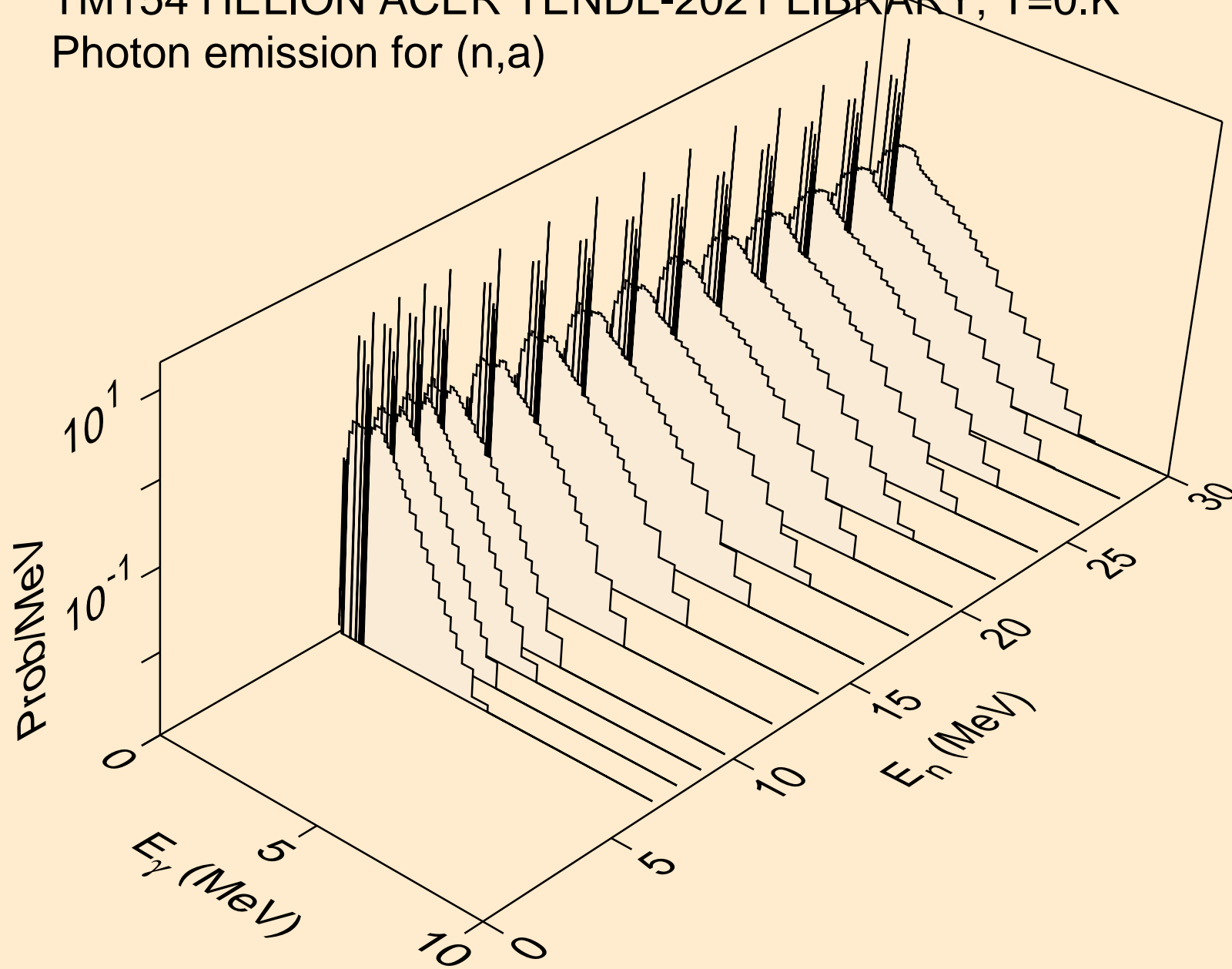
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,t)



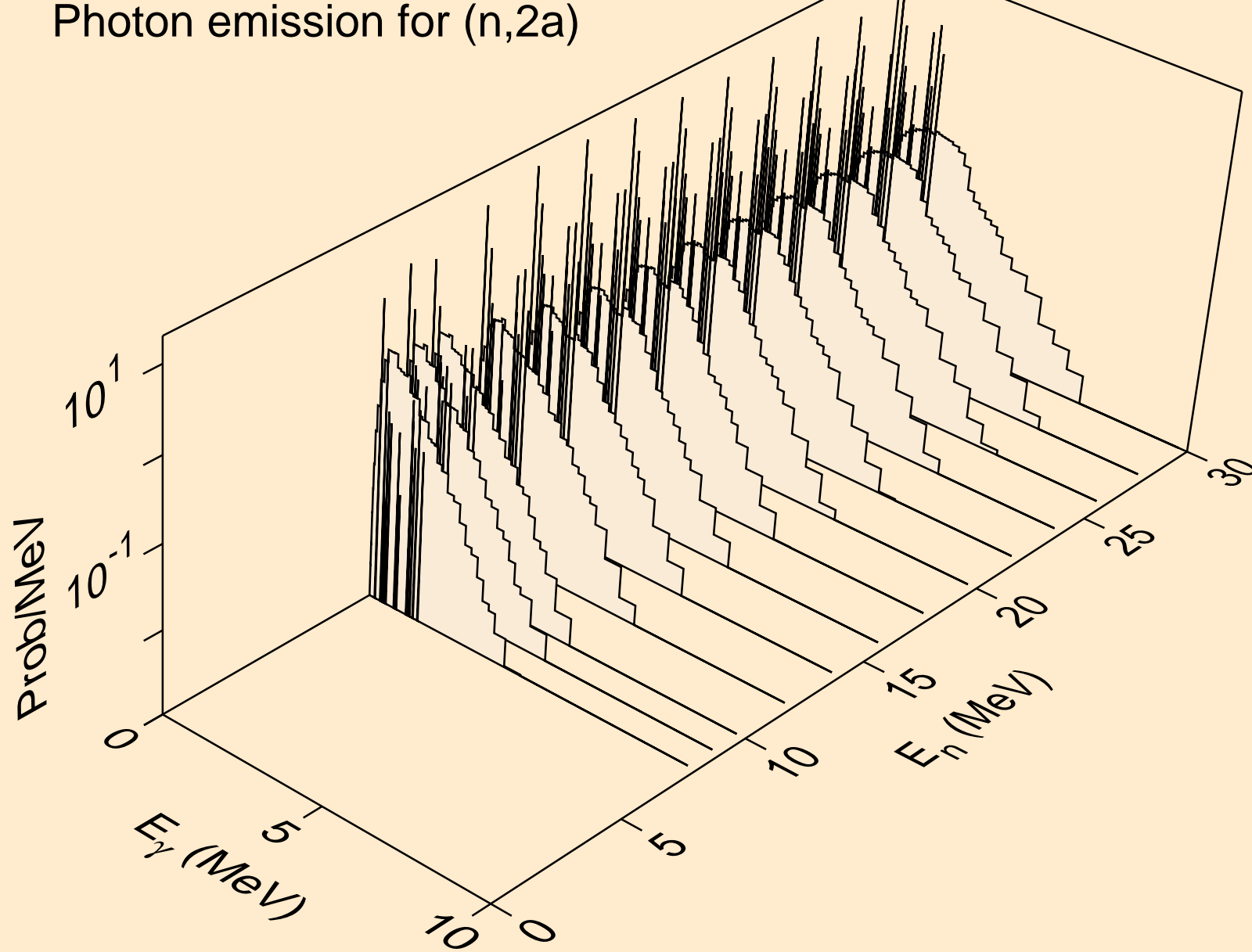
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic



TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,a)

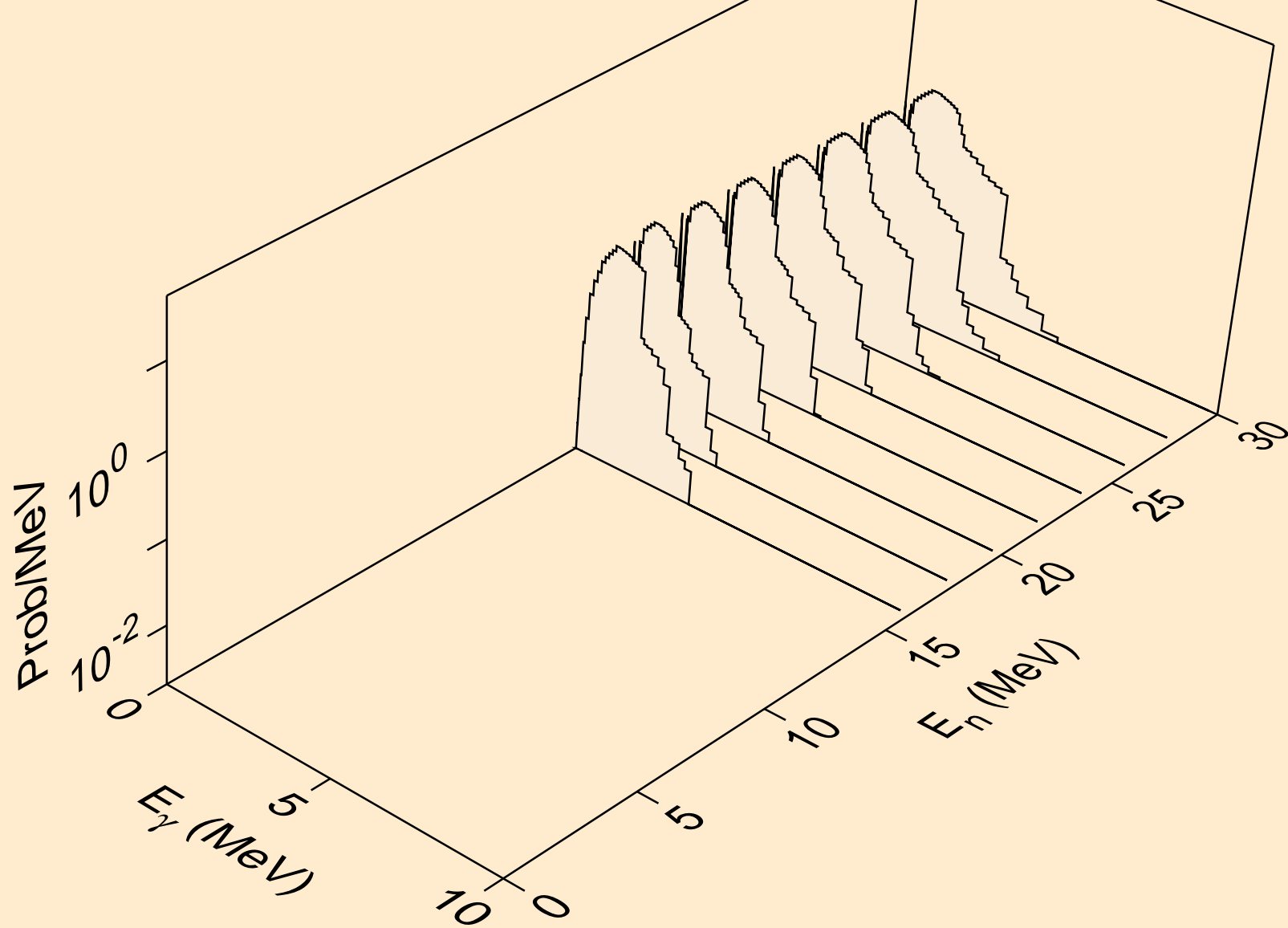


TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2a)

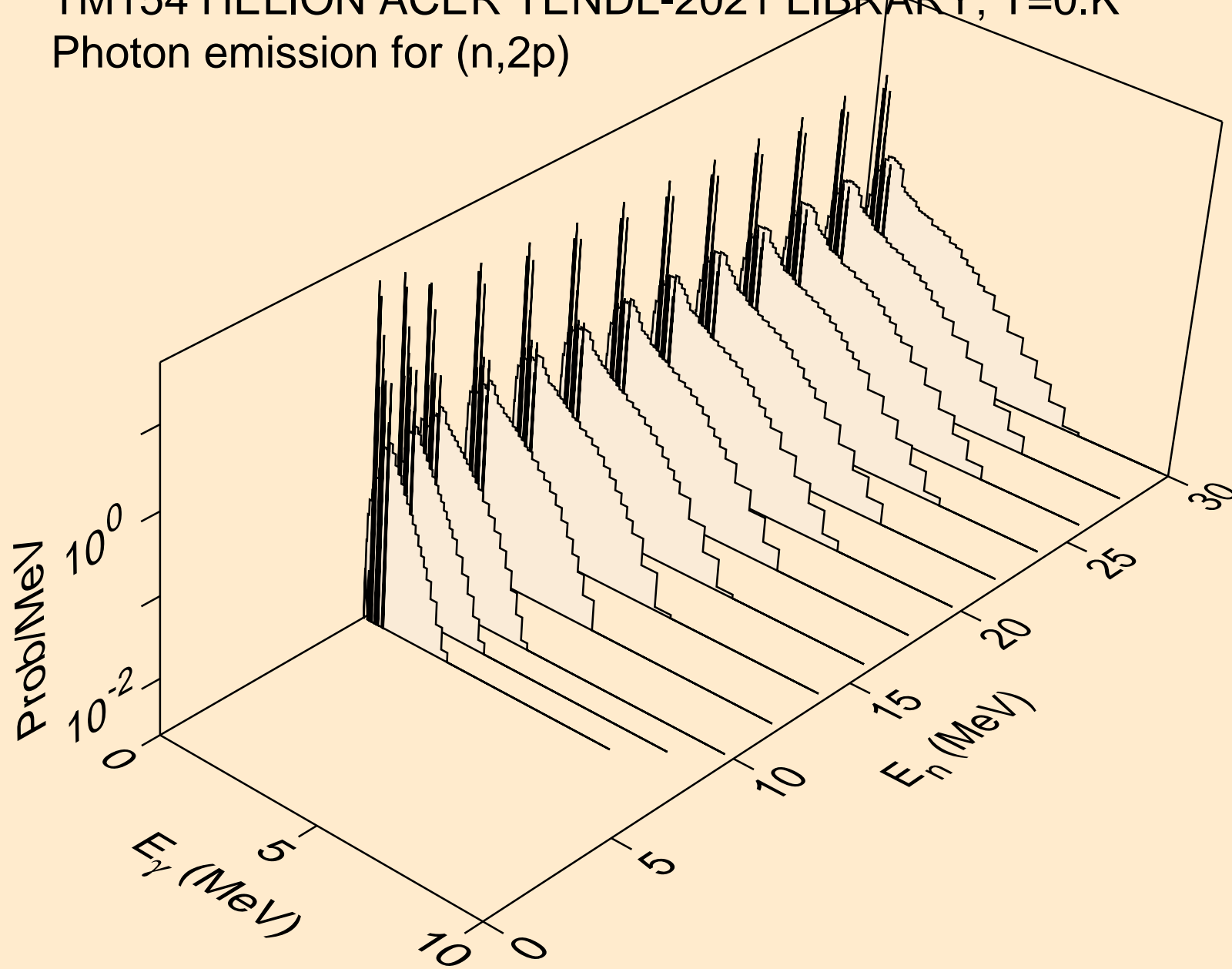




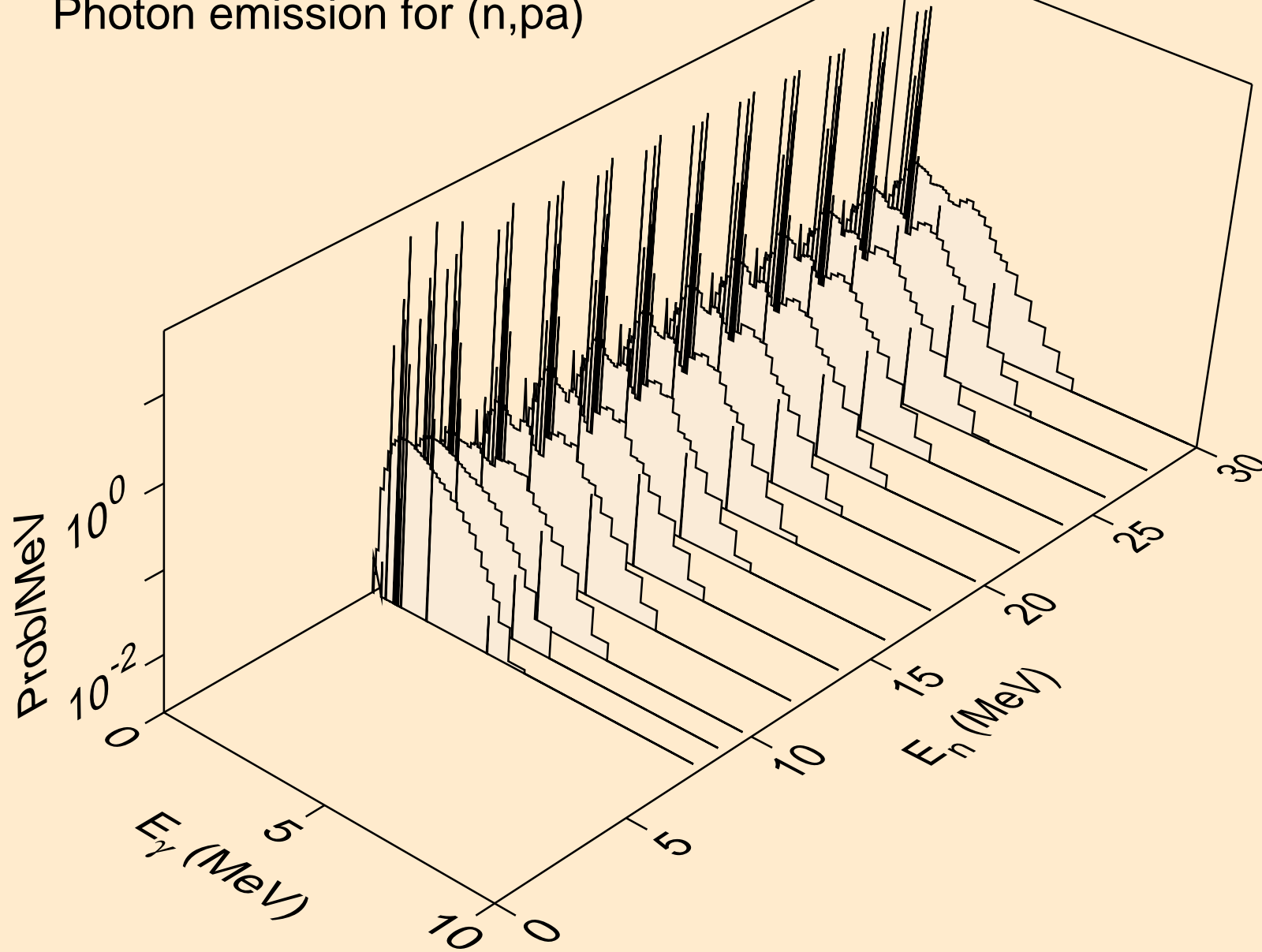
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3a)



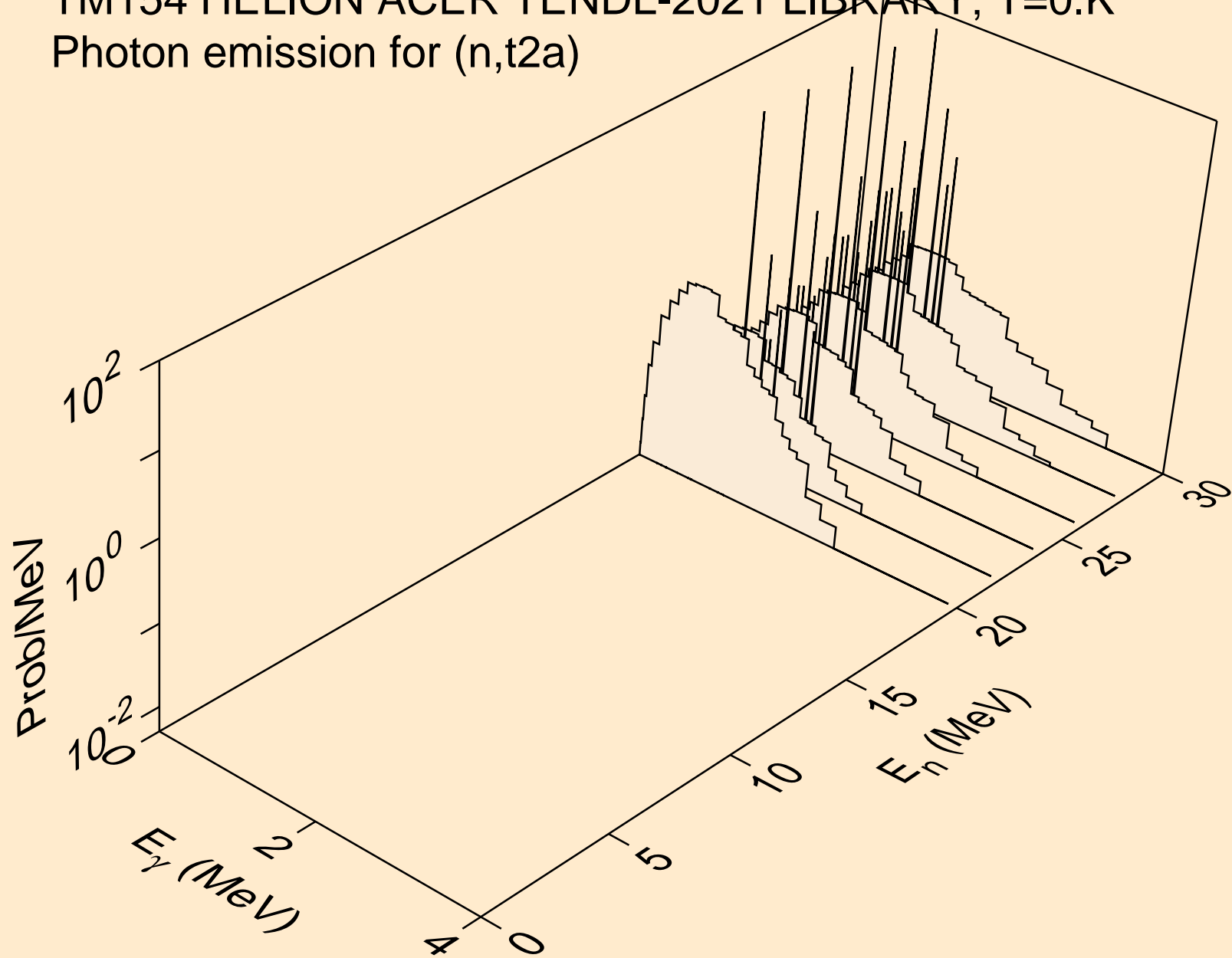
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Photon emission for (n,2p)



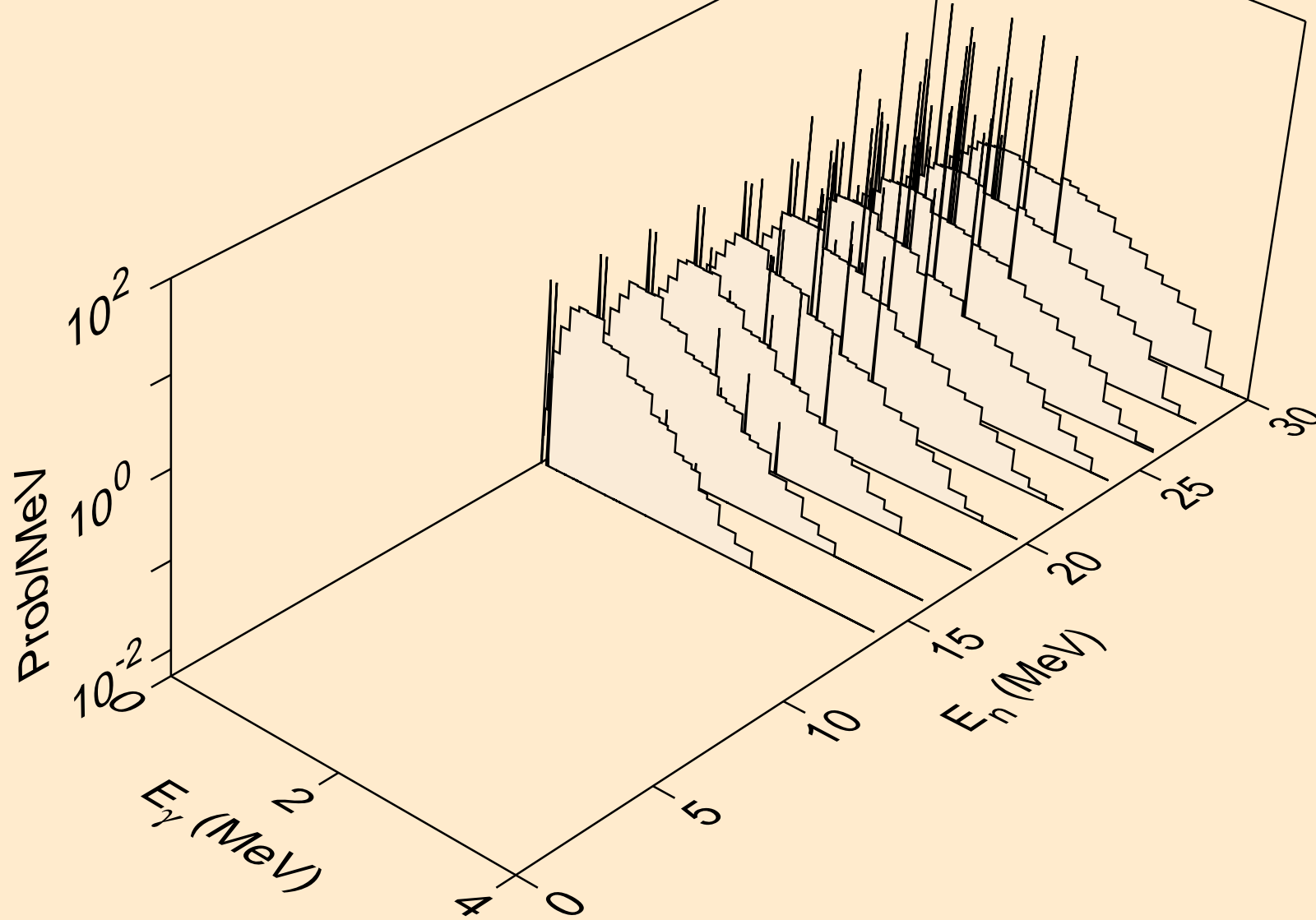
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pa)



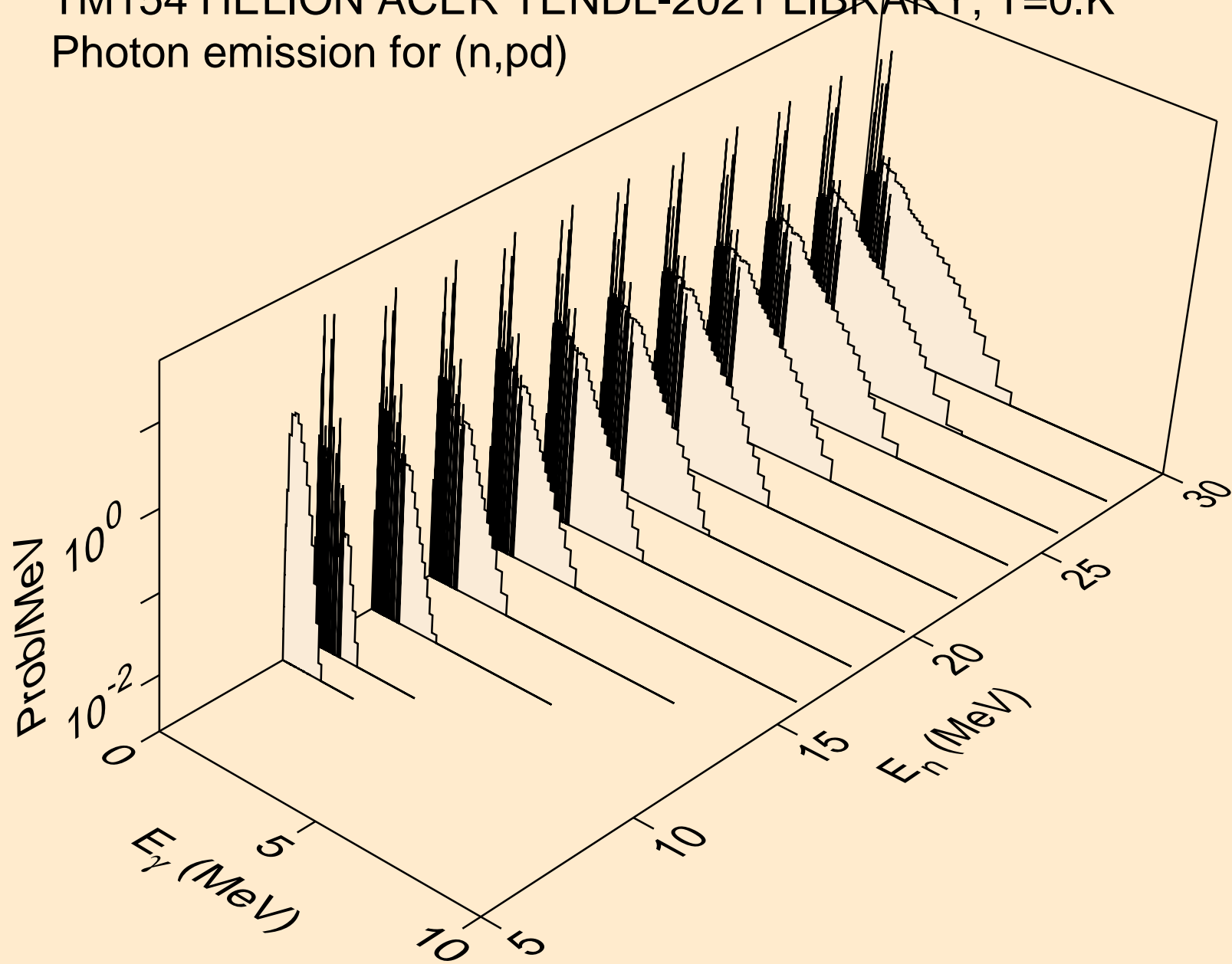
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Photon emission for (n,t2a)



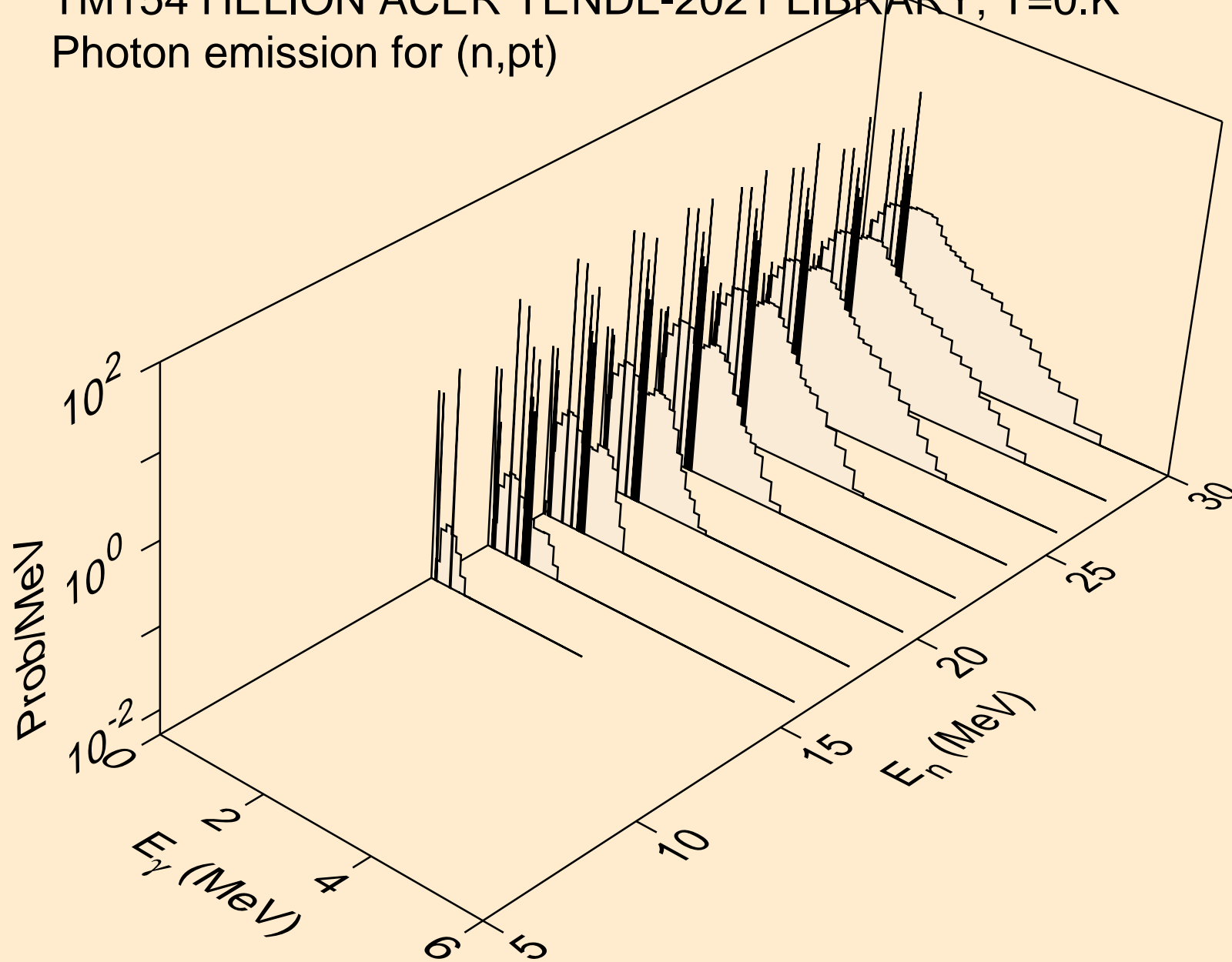
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Photon emission for (n,d2a)



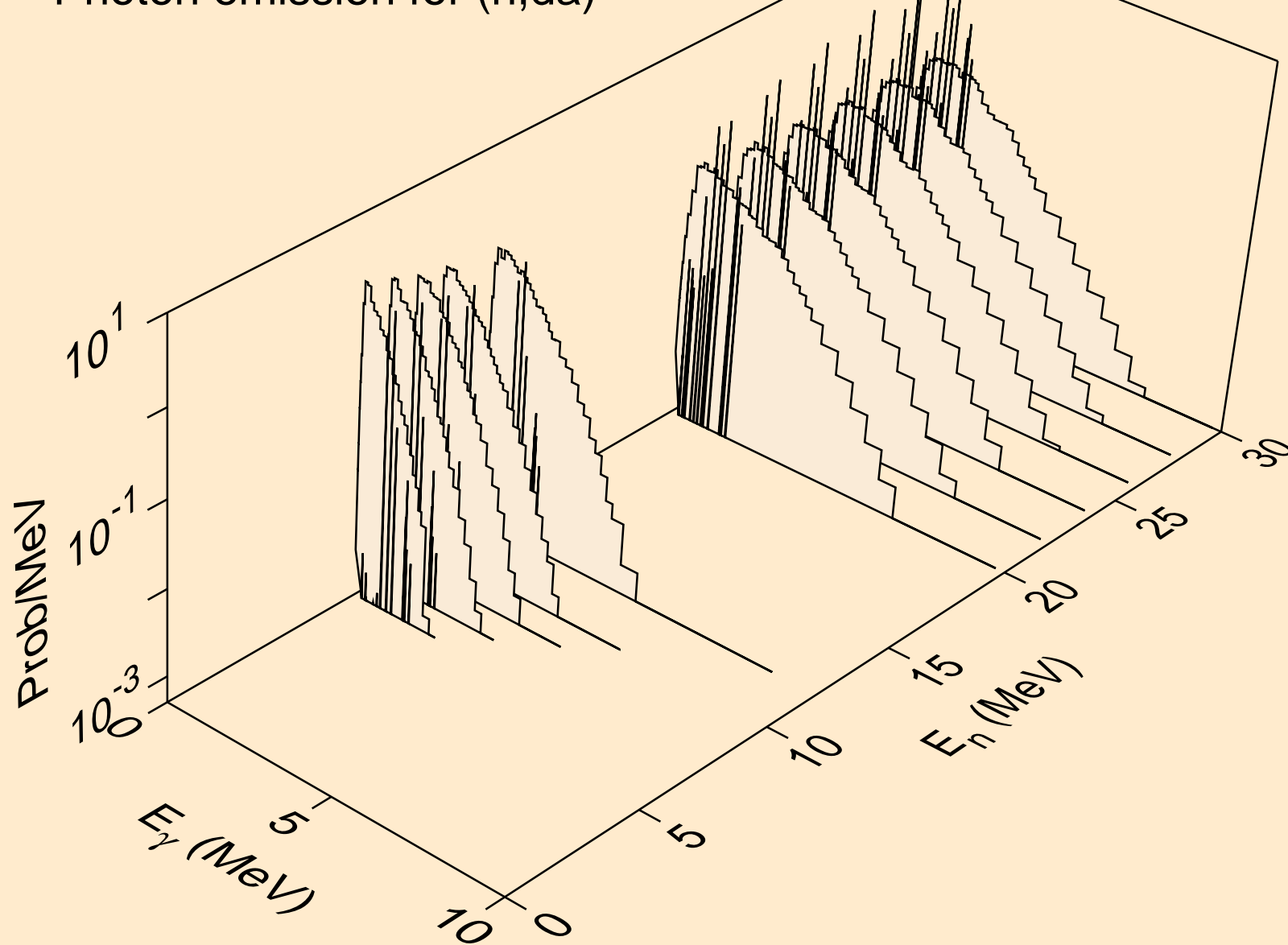
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pd)



TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pt)



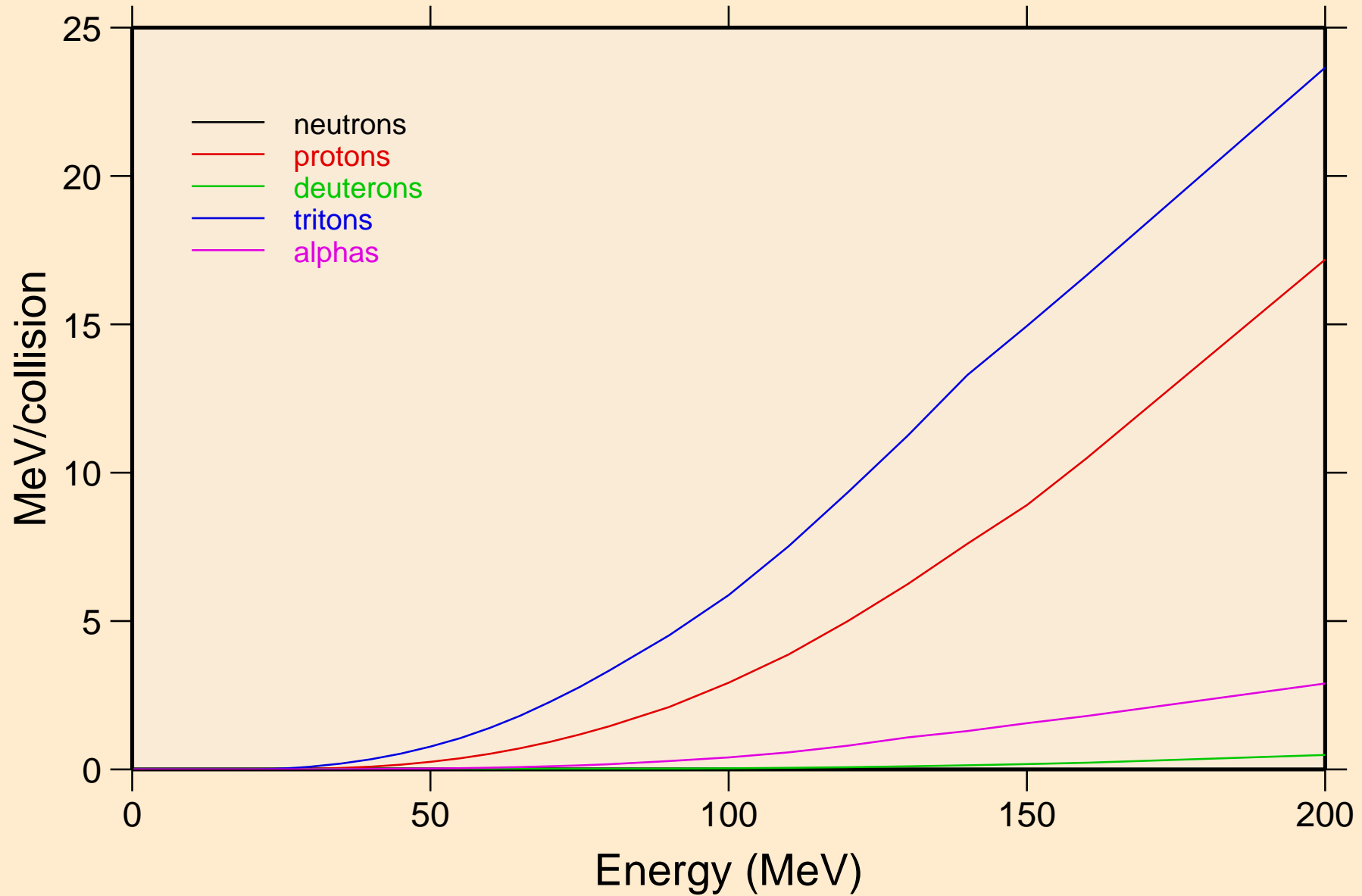
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,da)



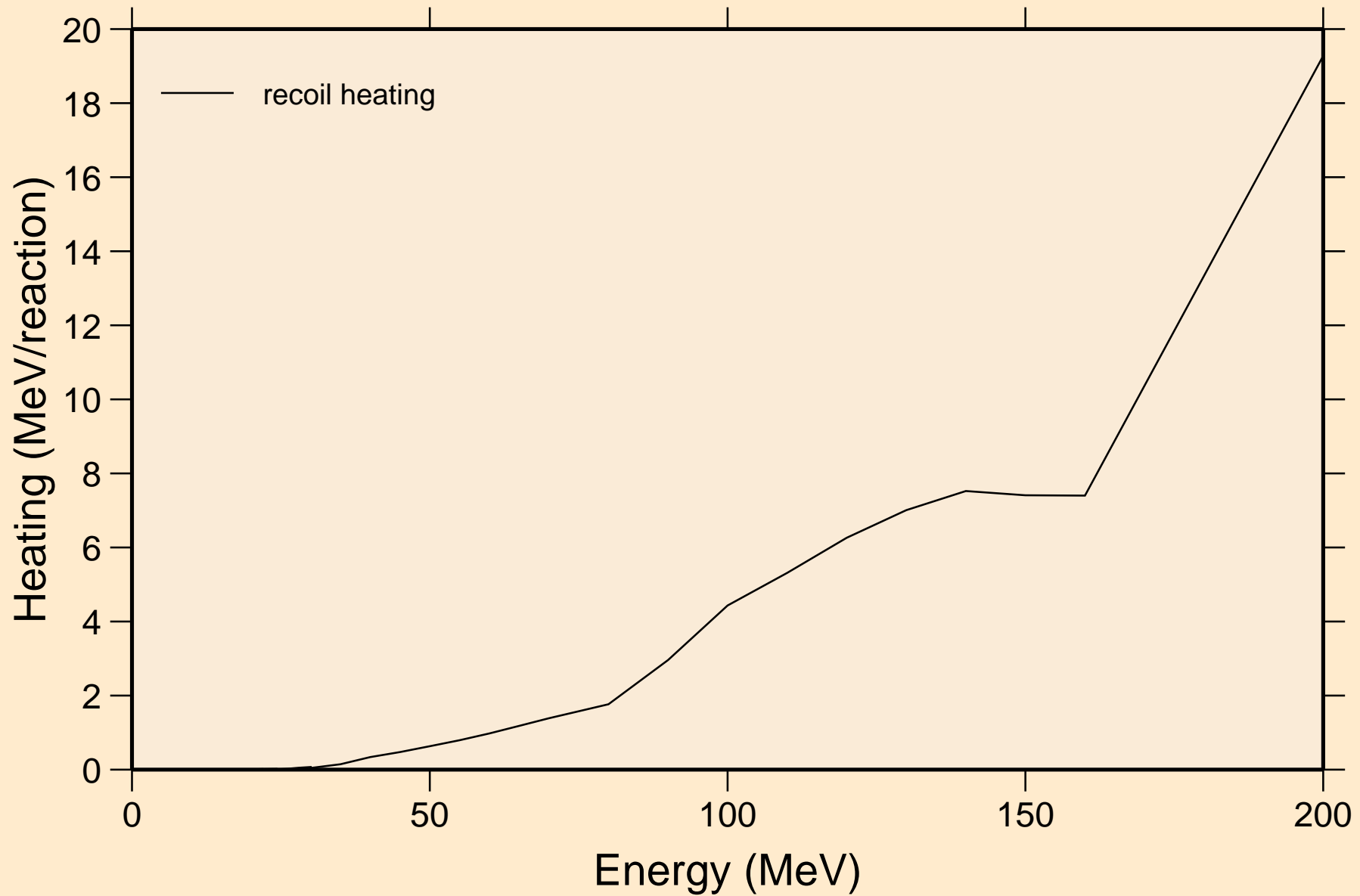


# TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K

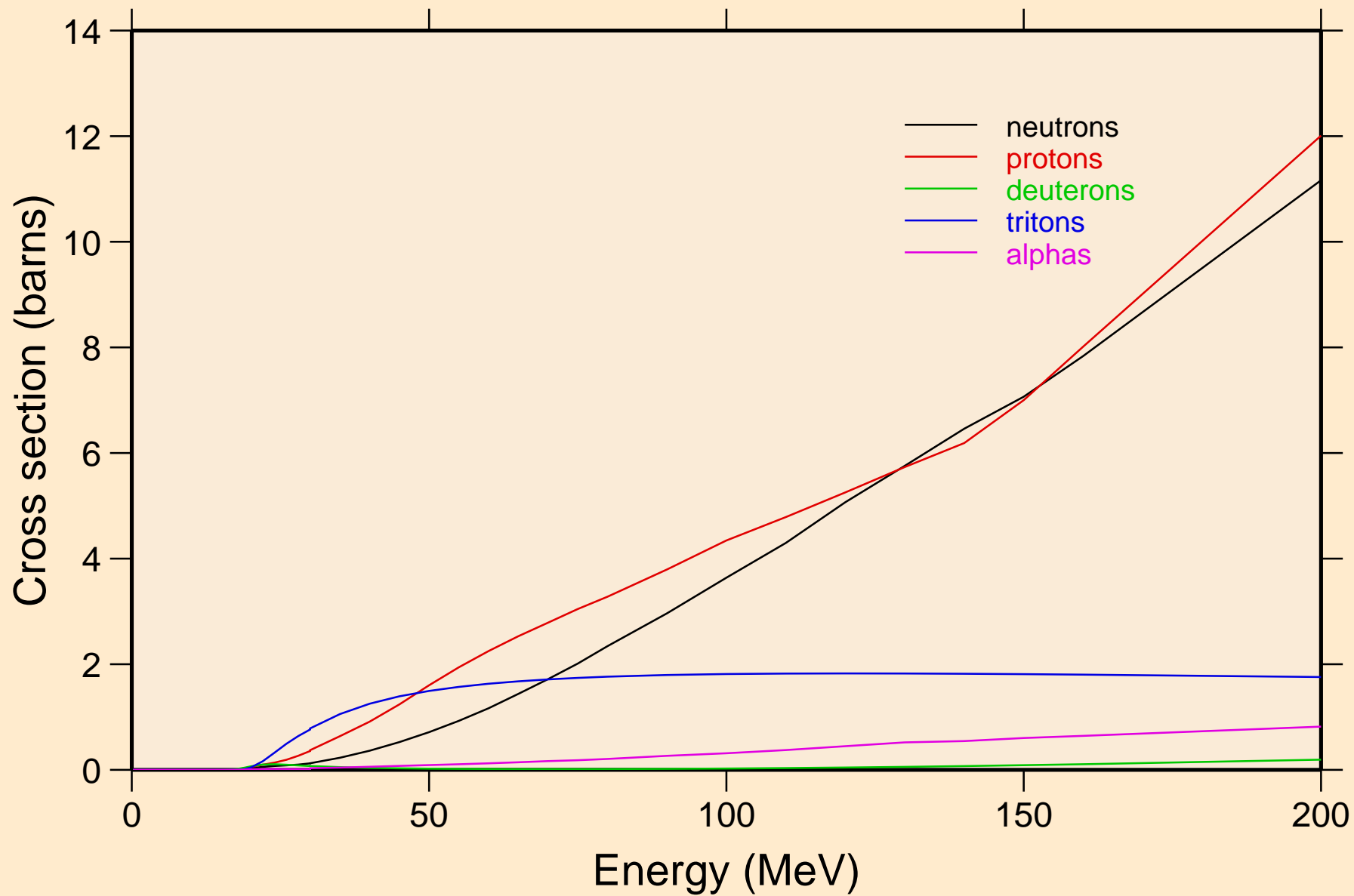
## Particle heating contributions



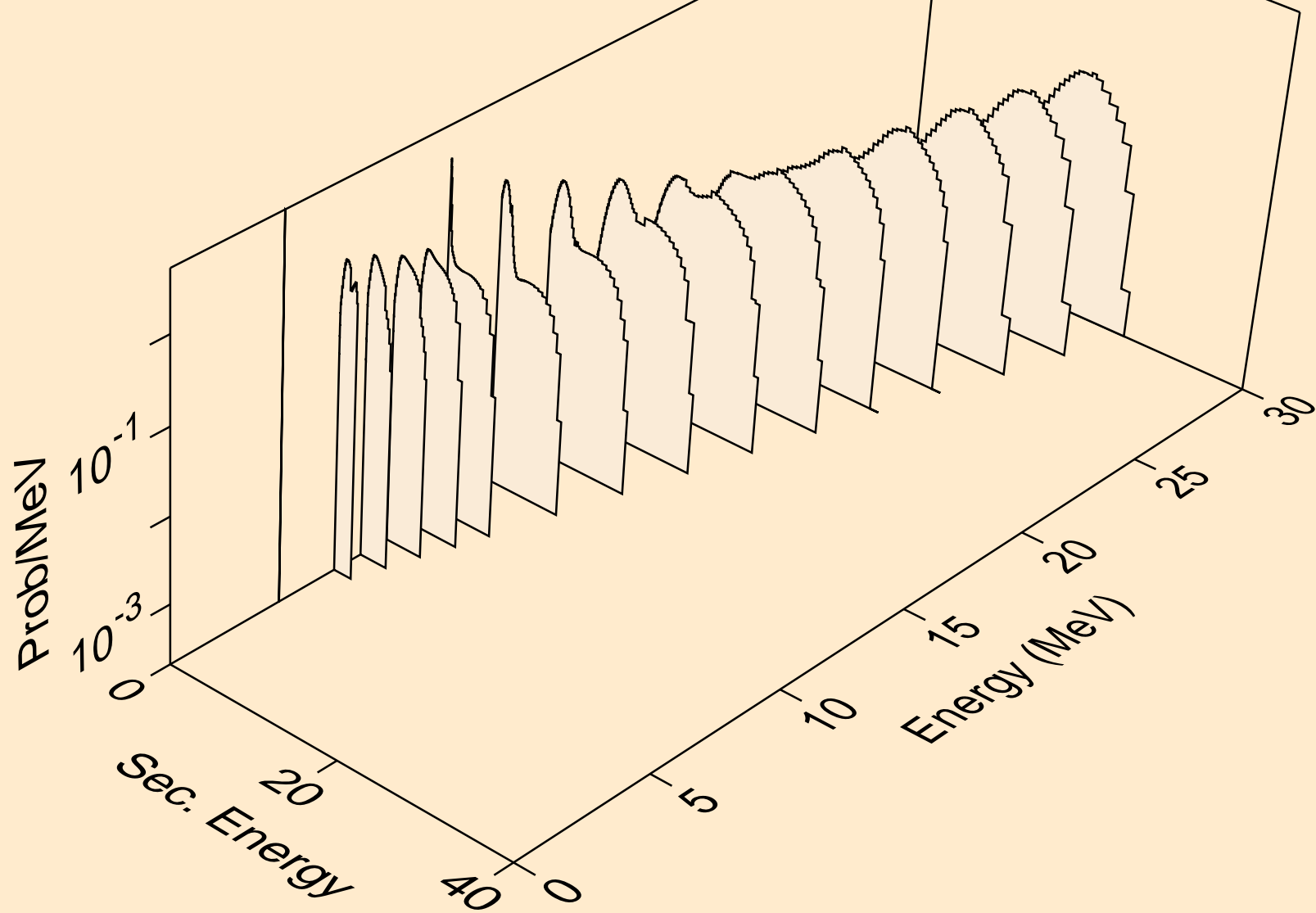
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Recoil Heating



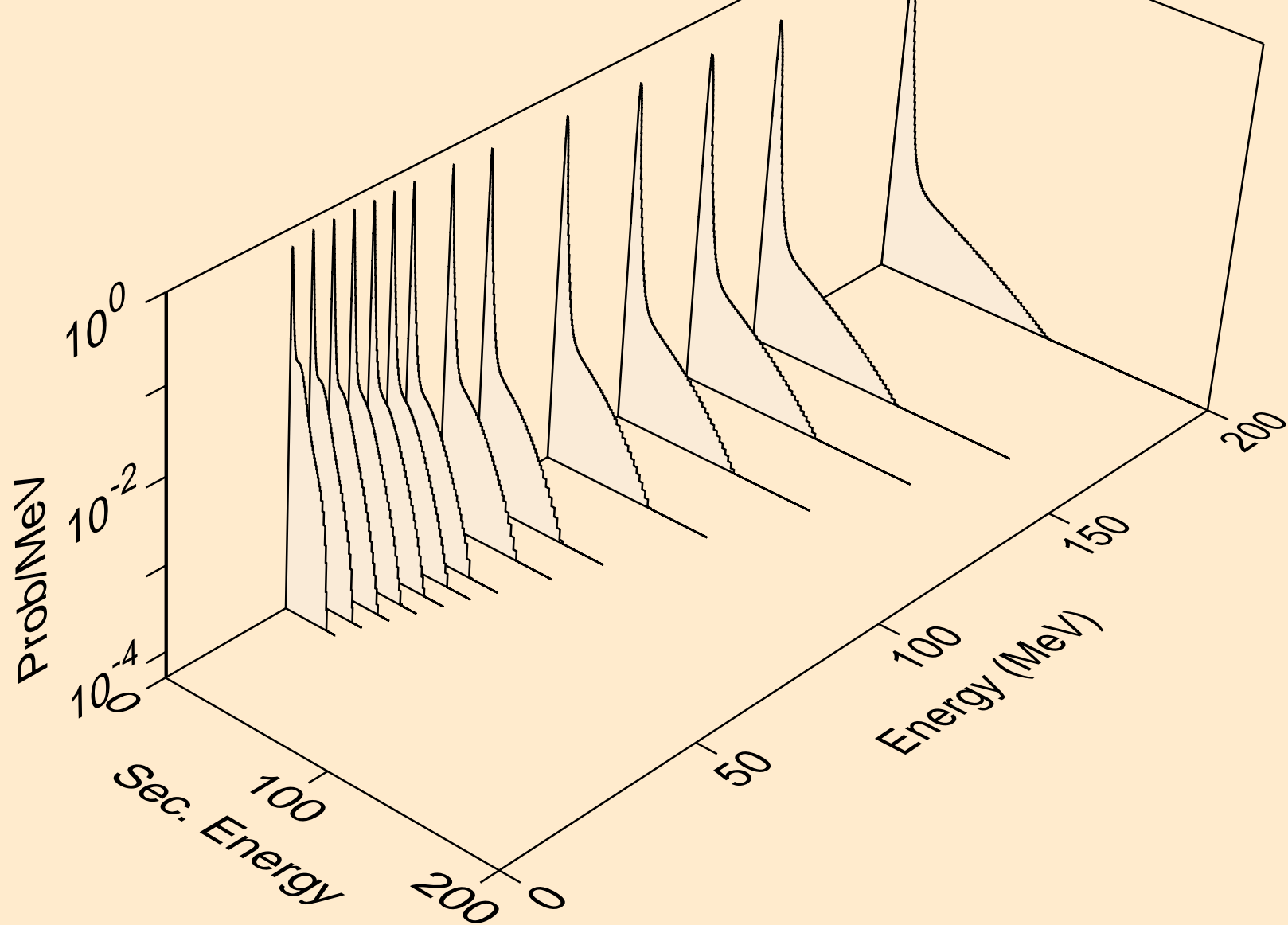
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Particle production cross sections



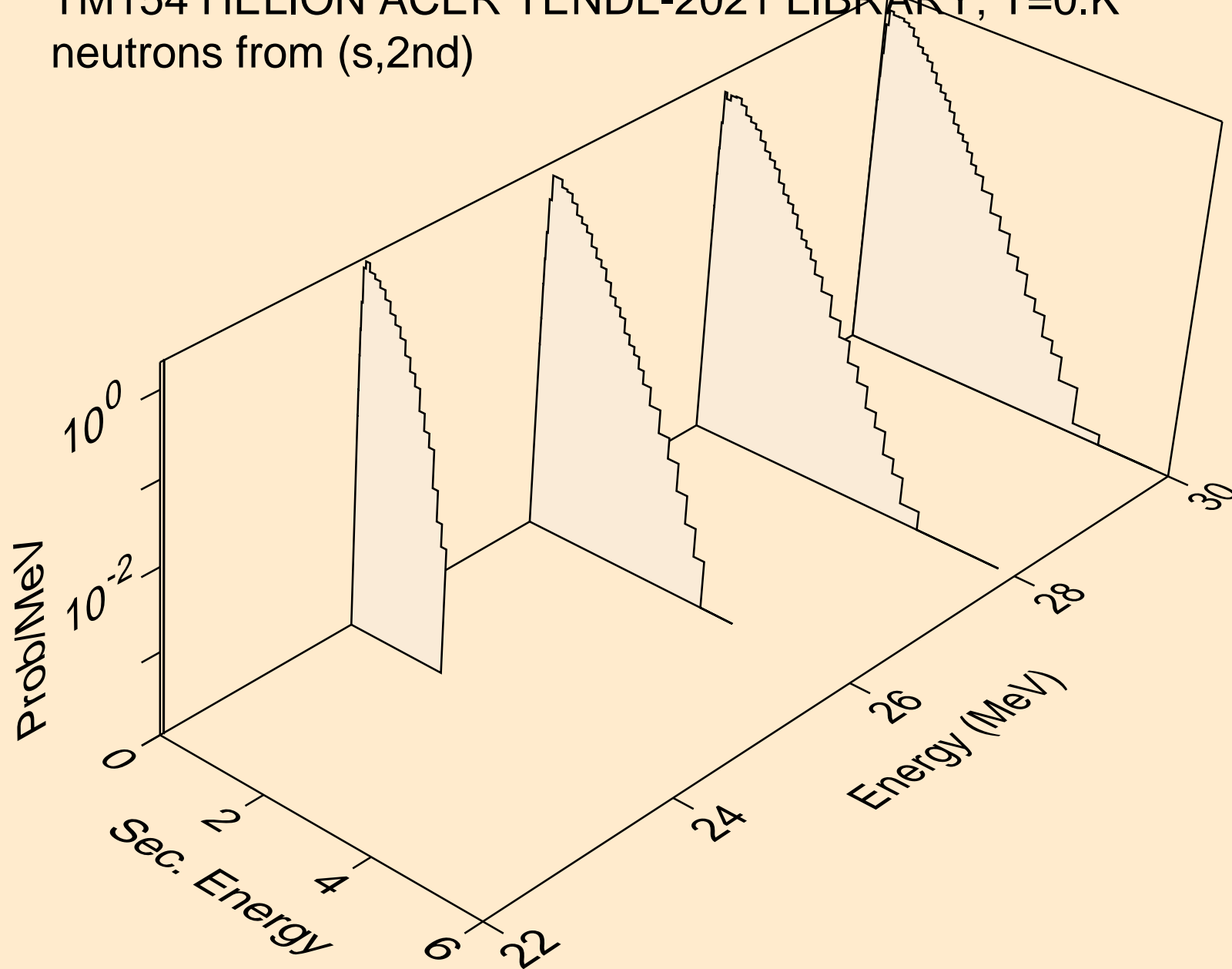
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n)



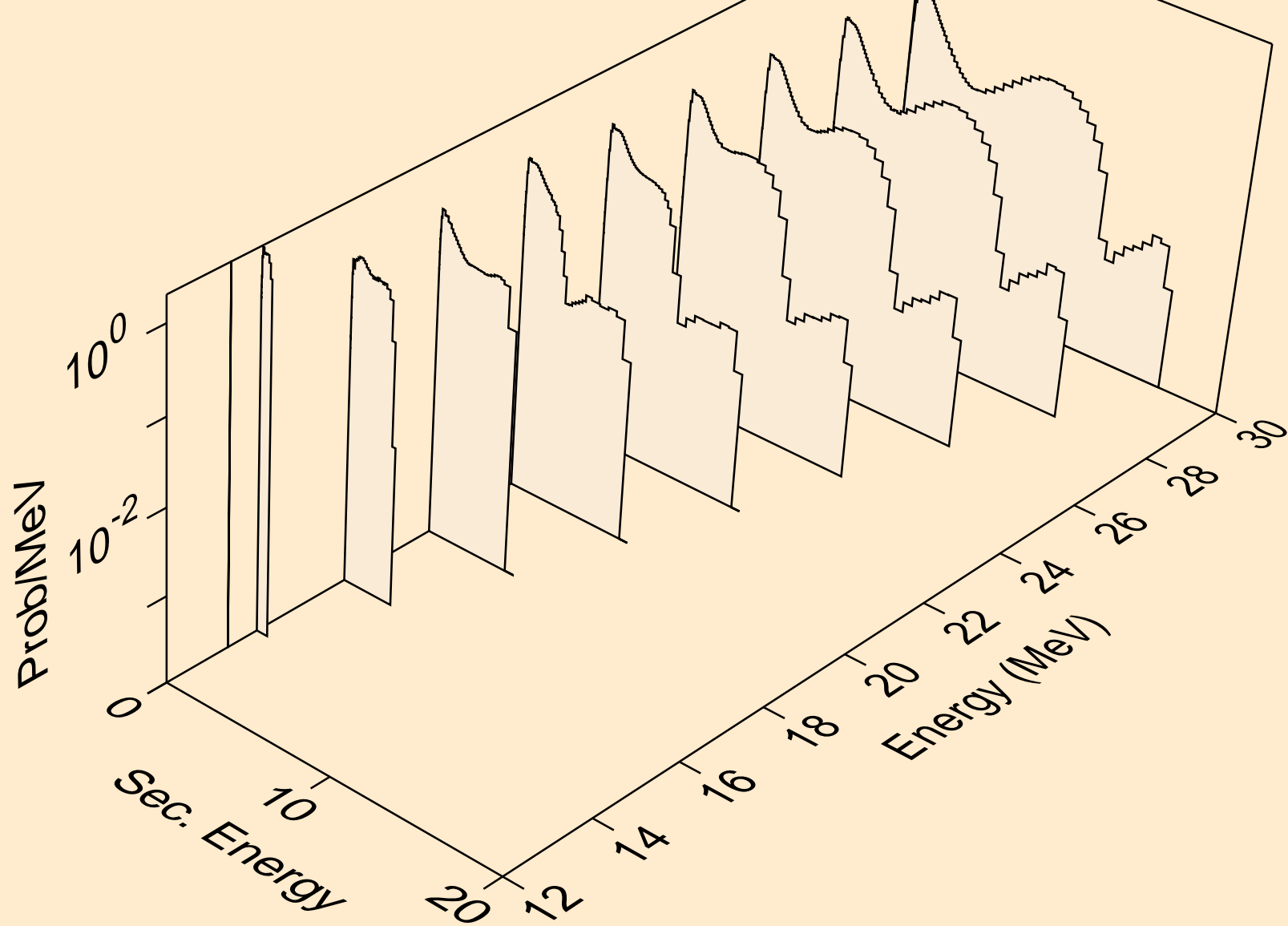
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,x)



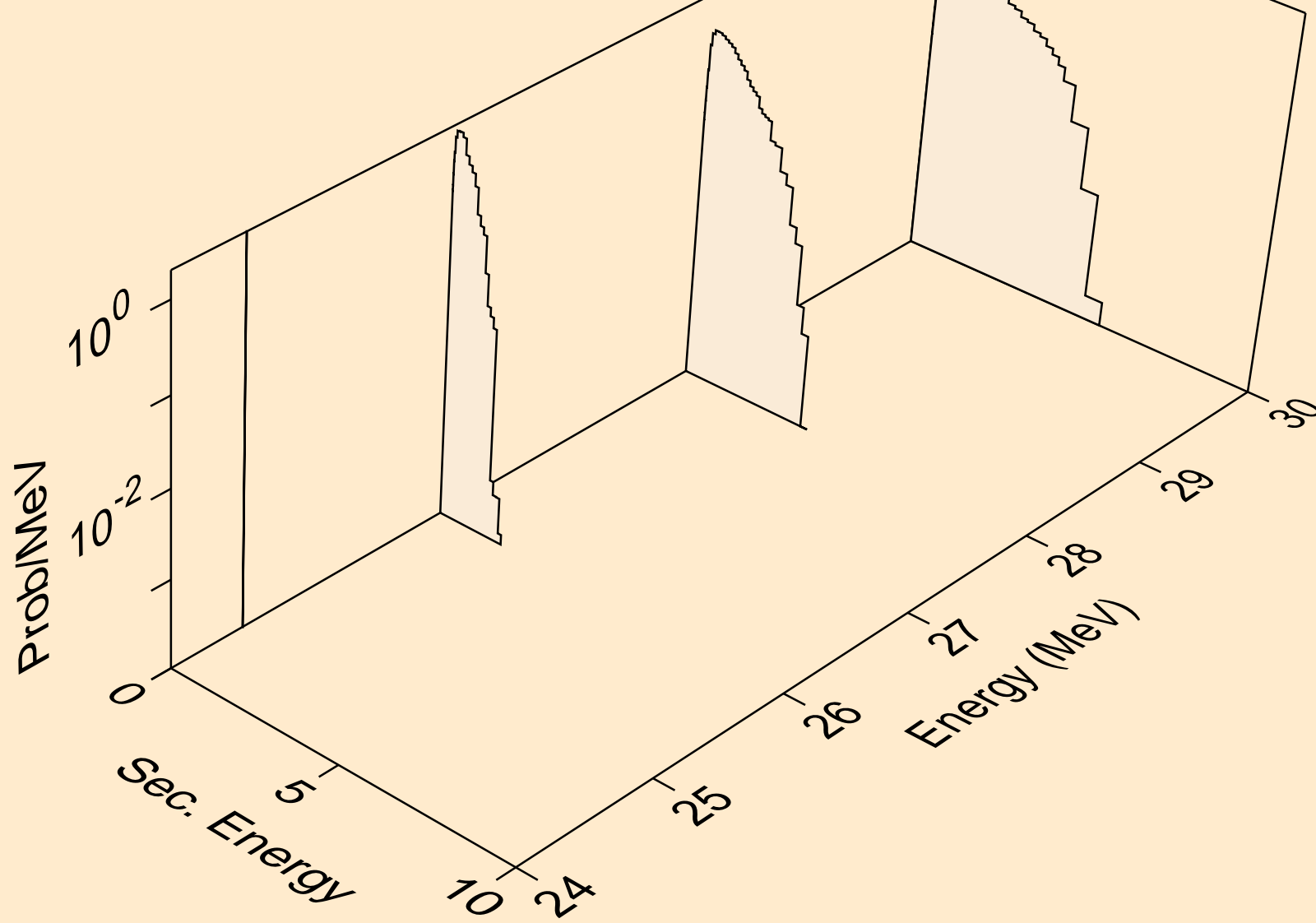
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2nd)



TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2n)

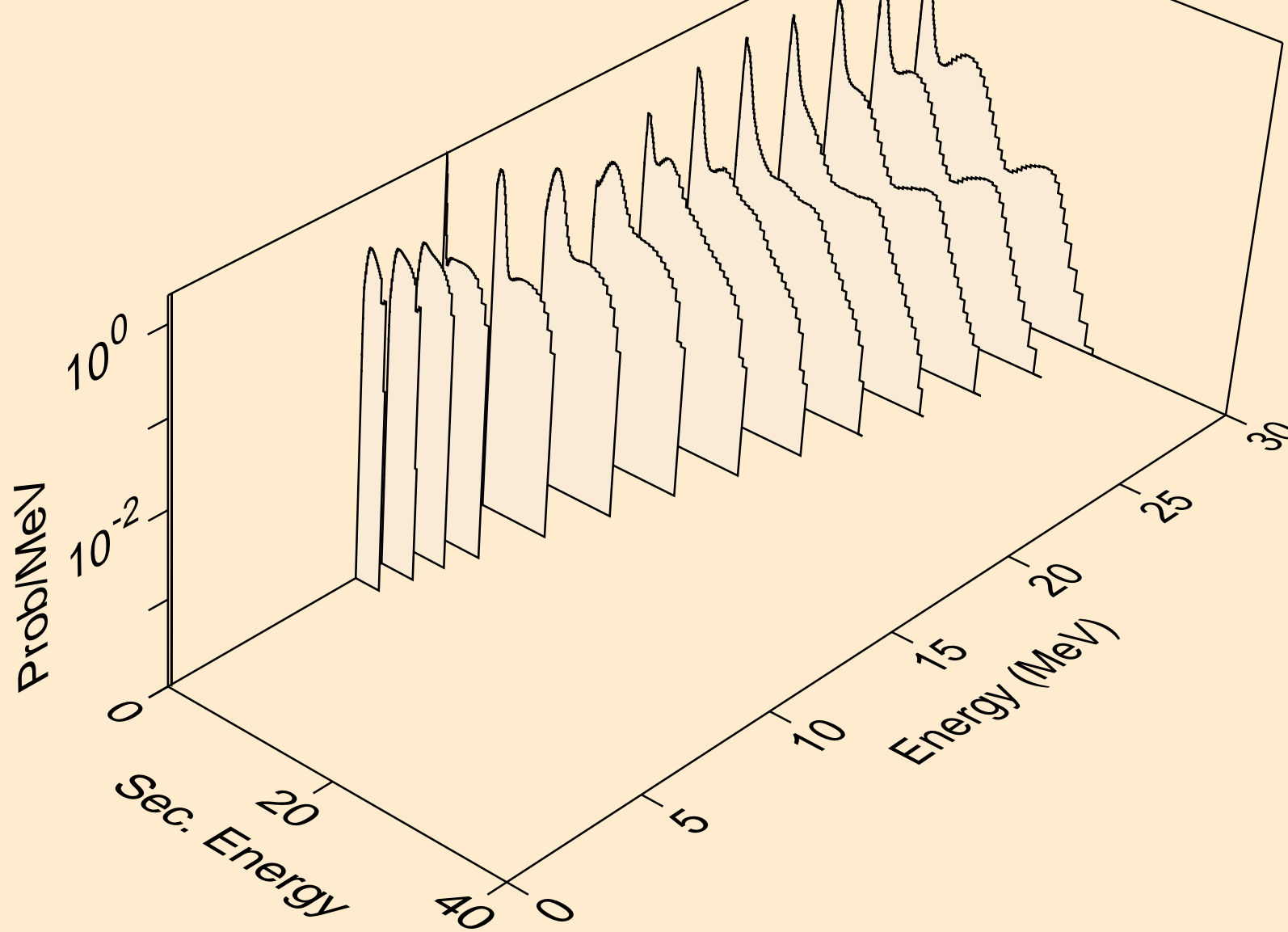


TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,3n)

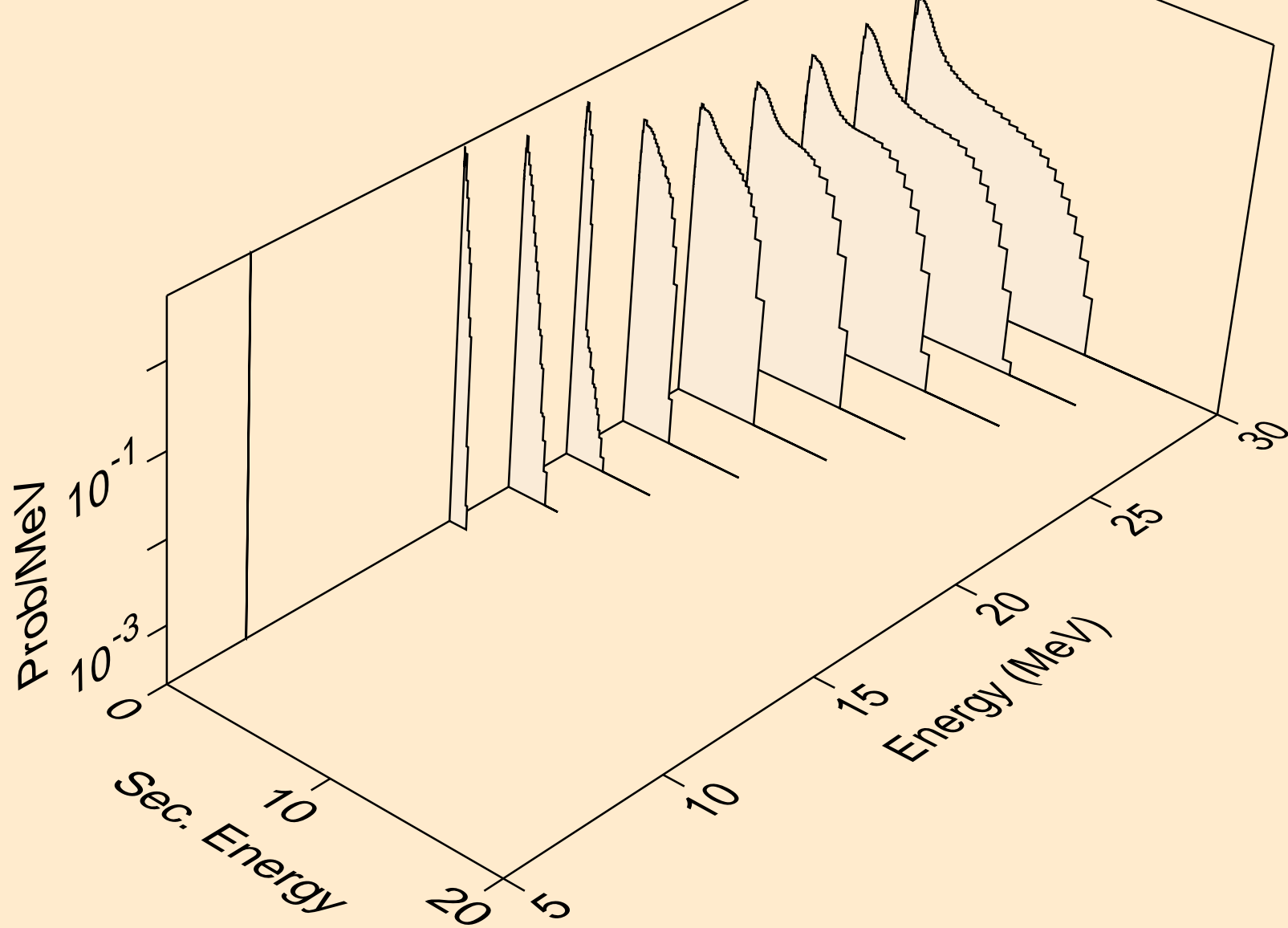




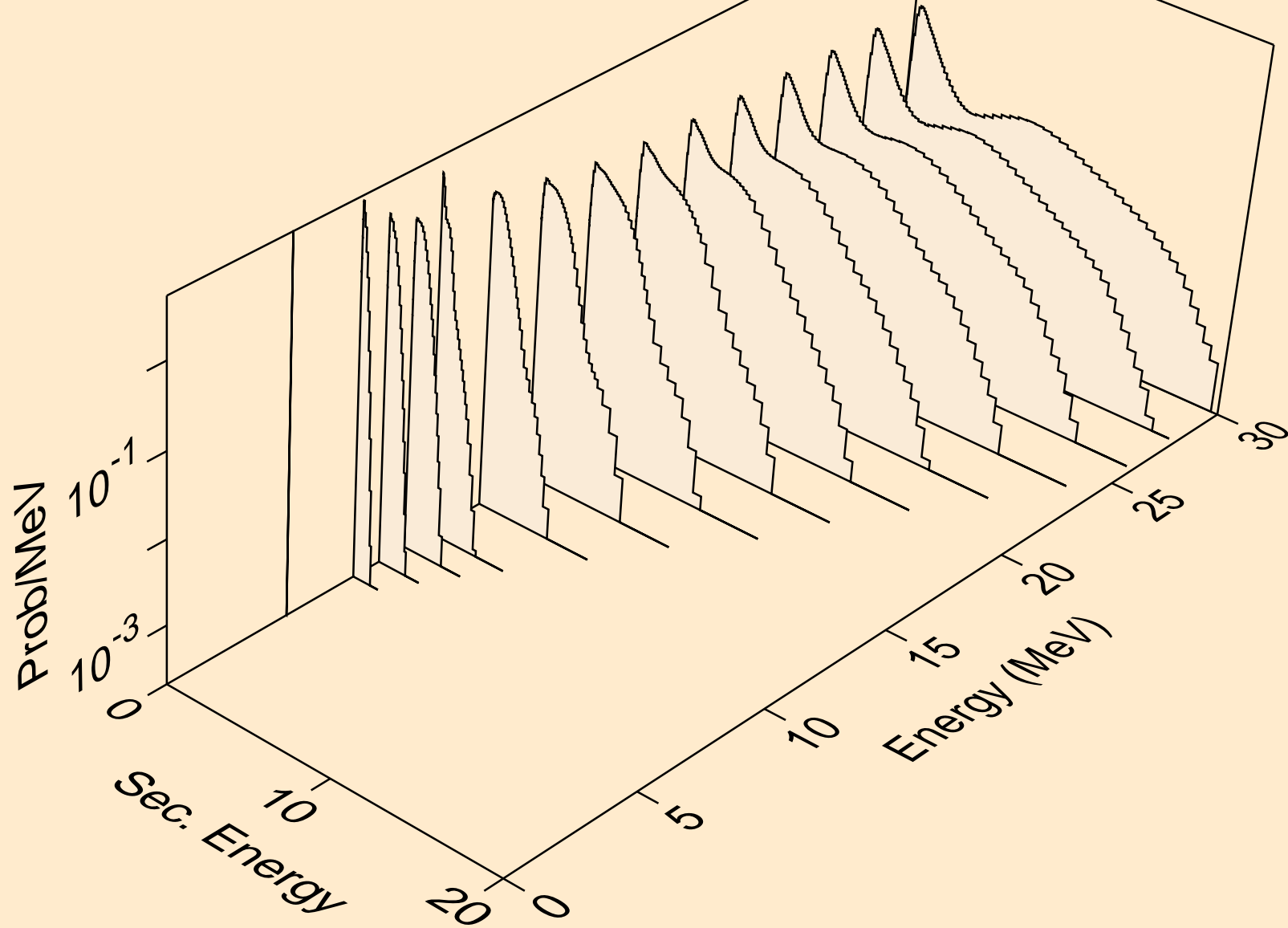
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)a



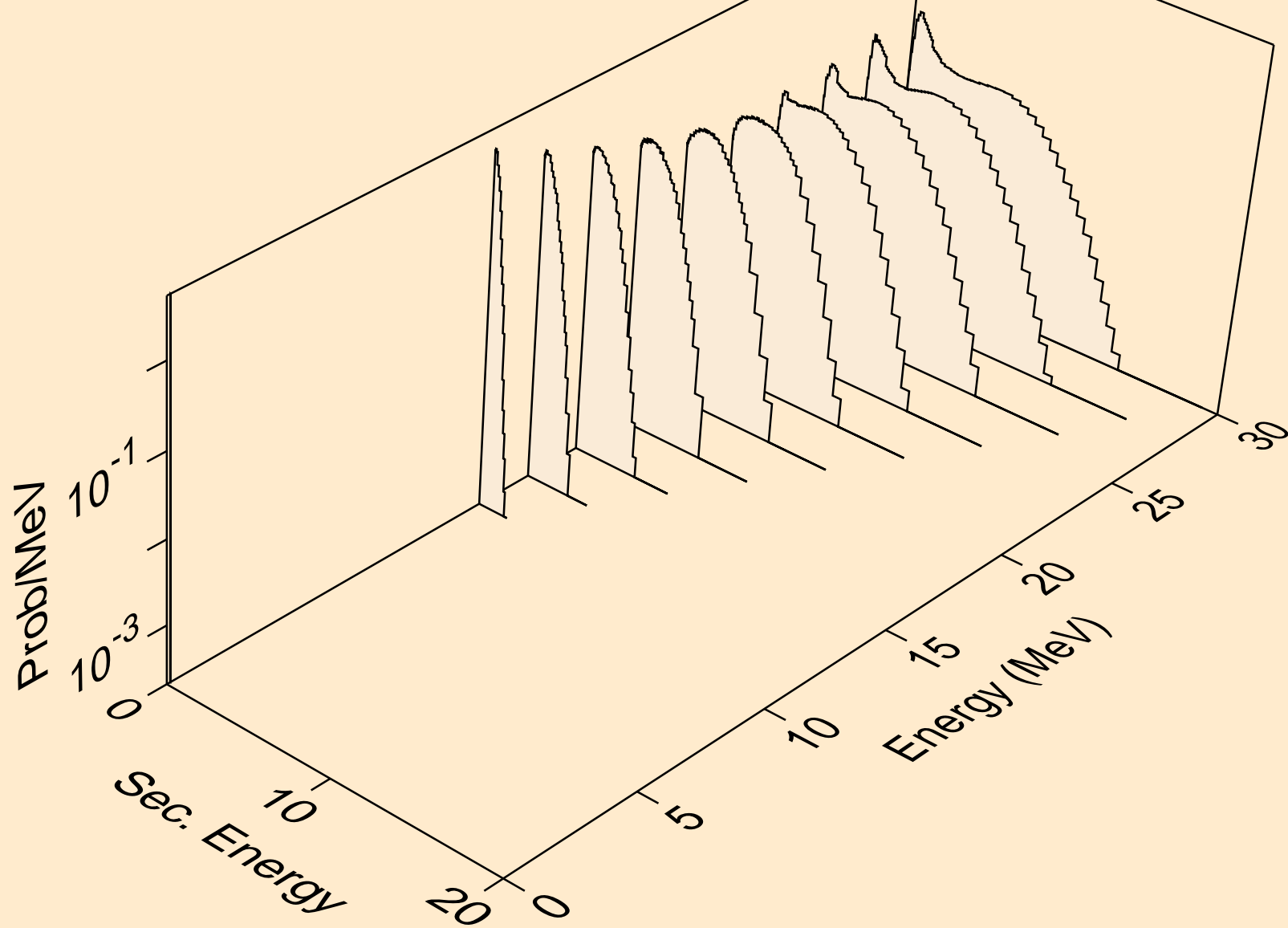
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2n)a



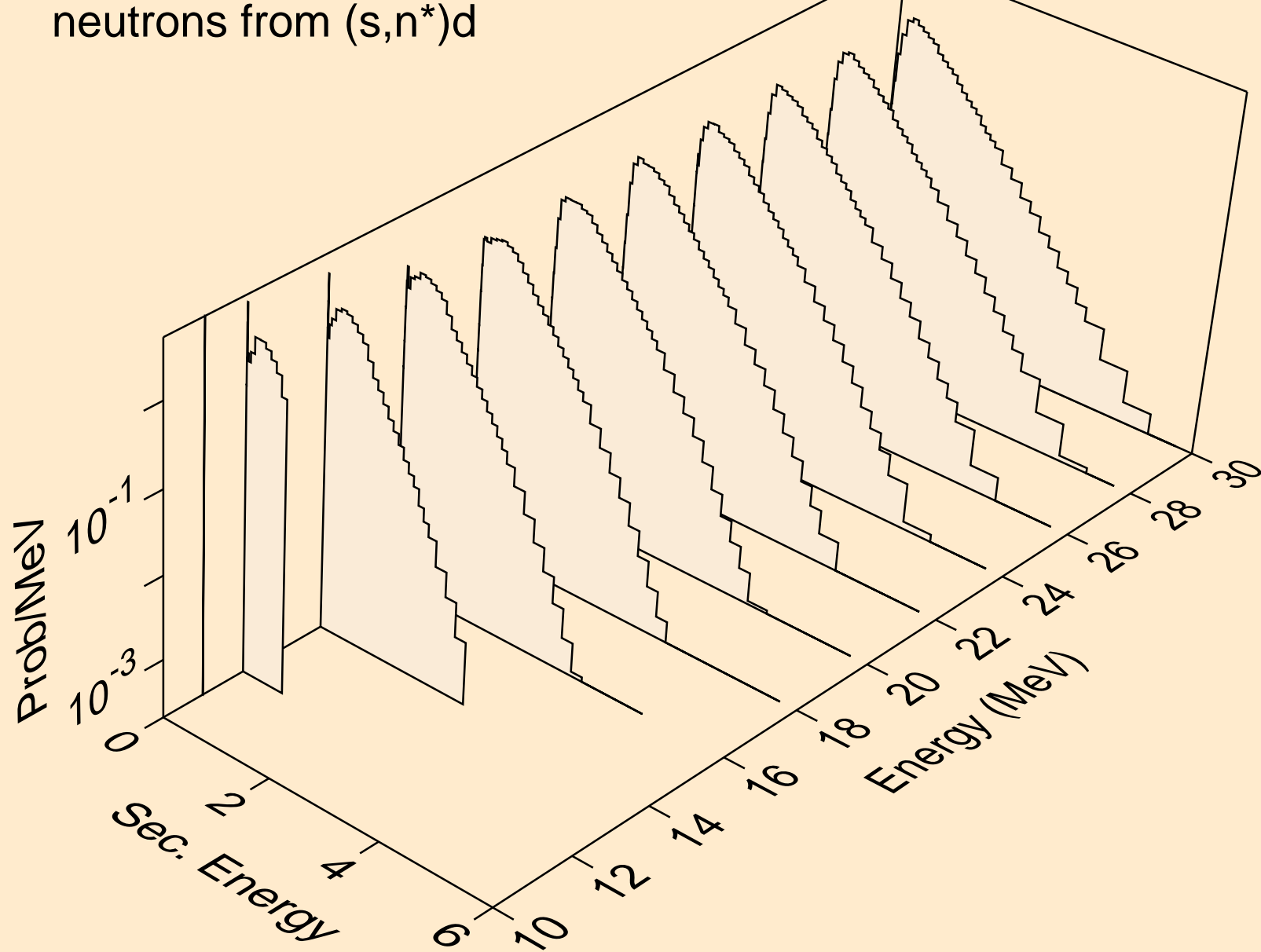
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)p



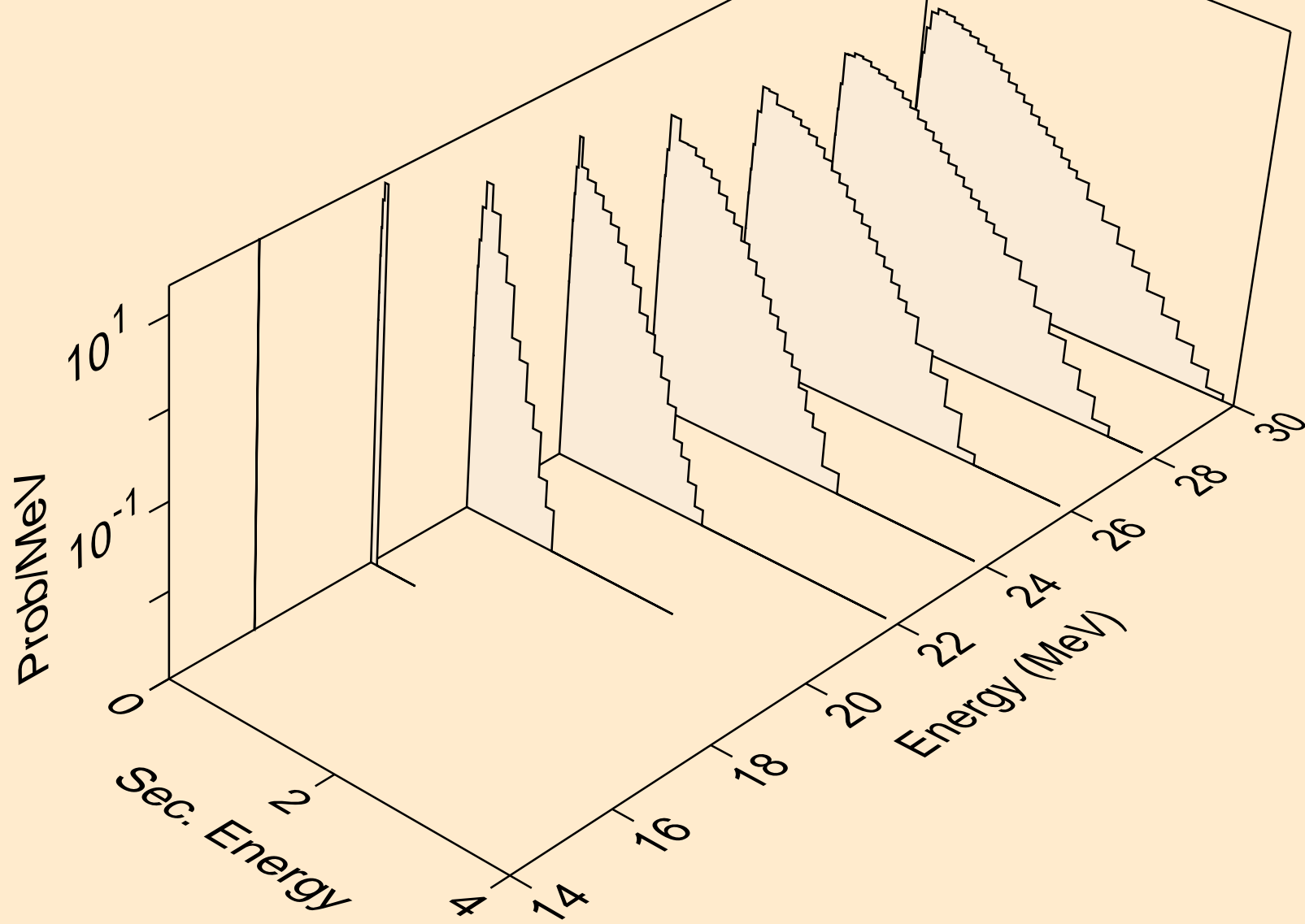
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)2a



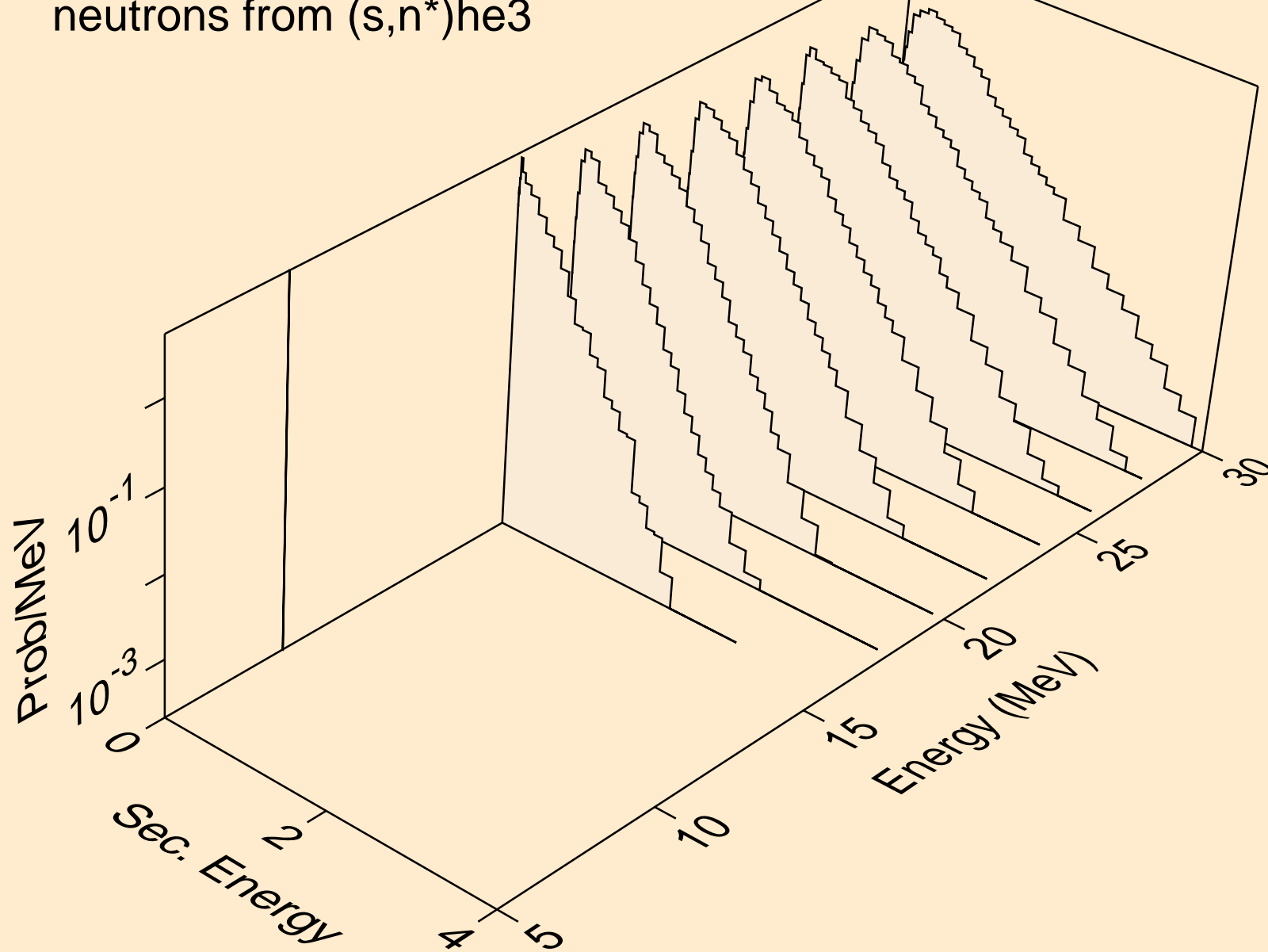
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)d



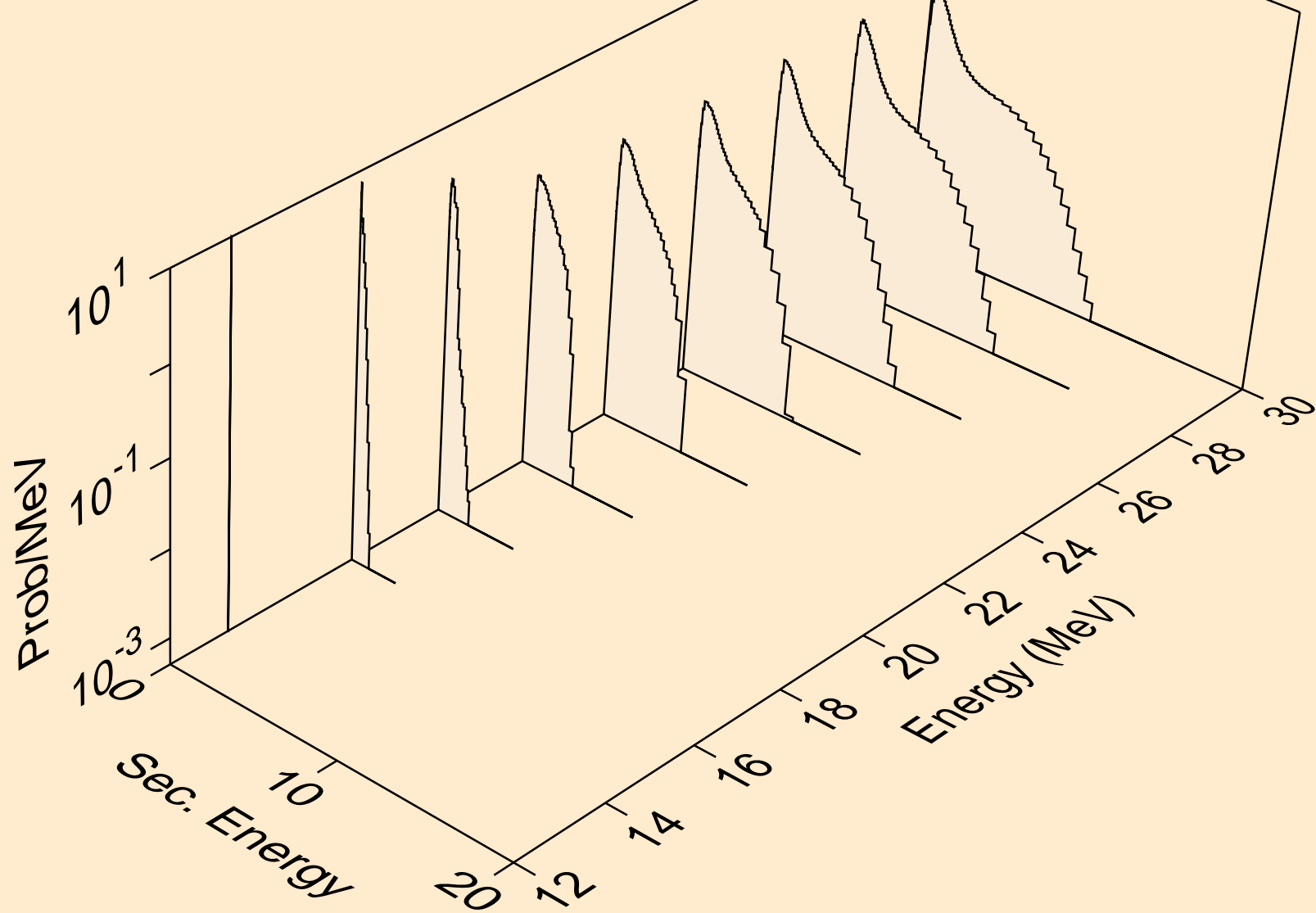
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)t



TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)he3

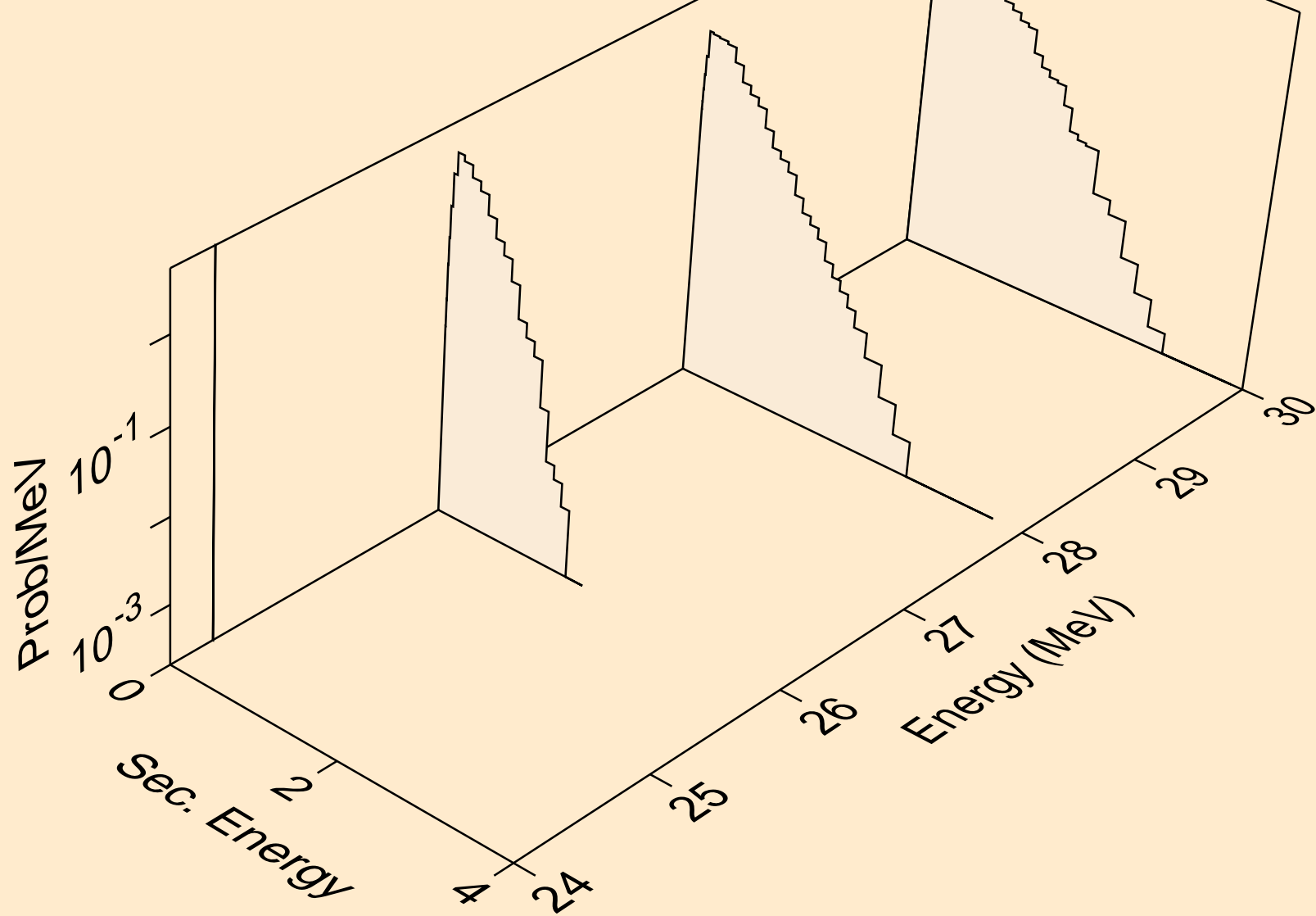


TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2np)

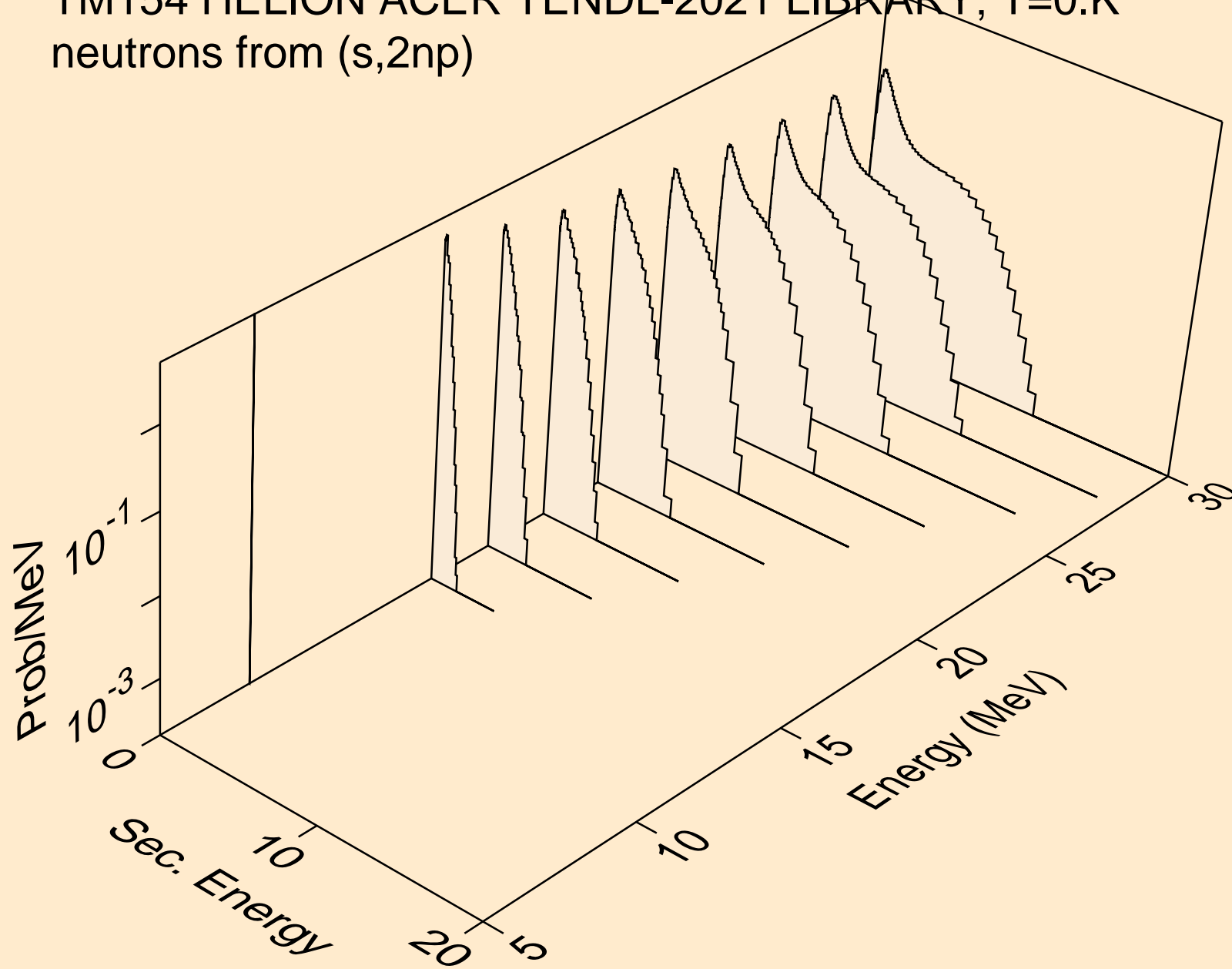




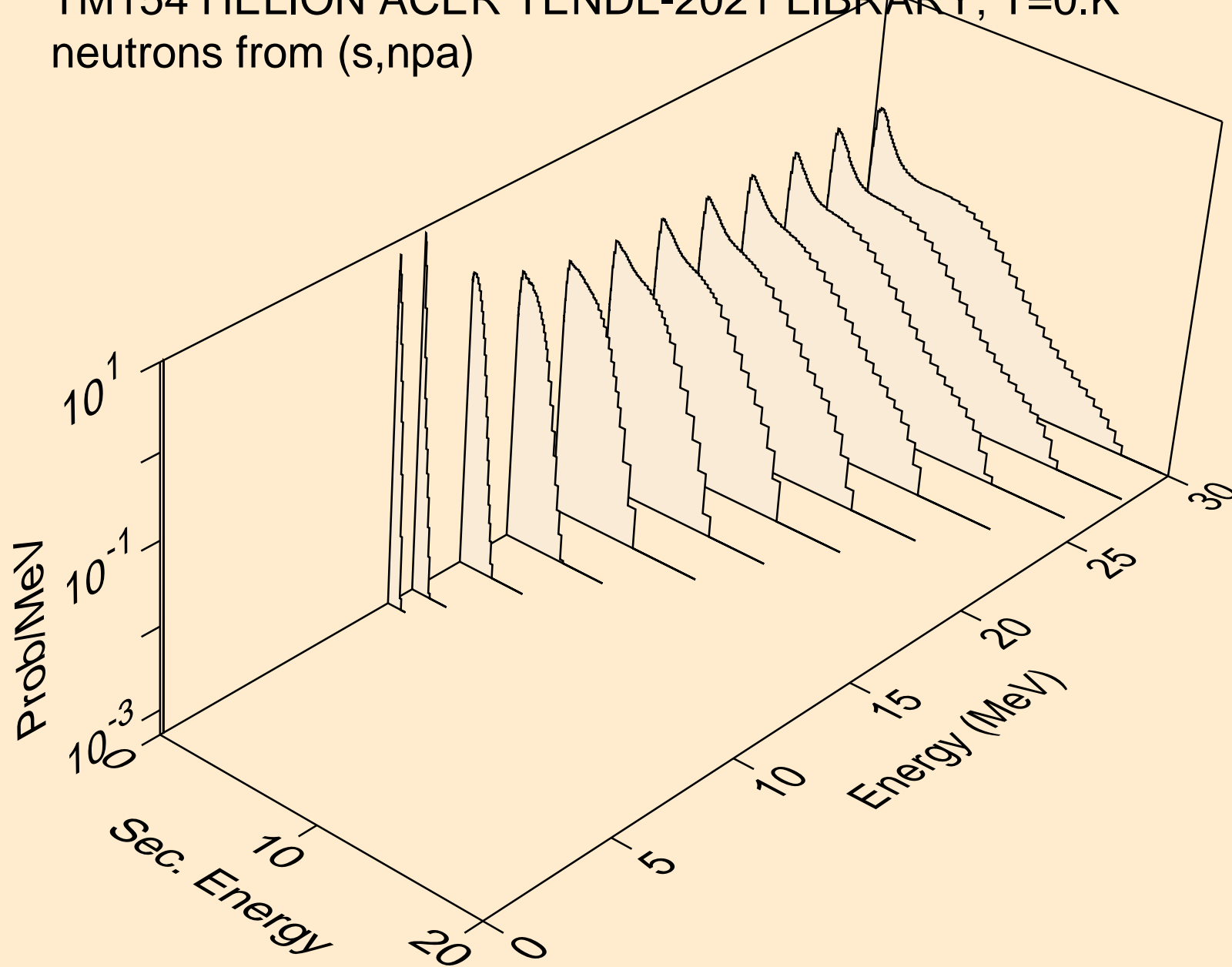
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,3np)



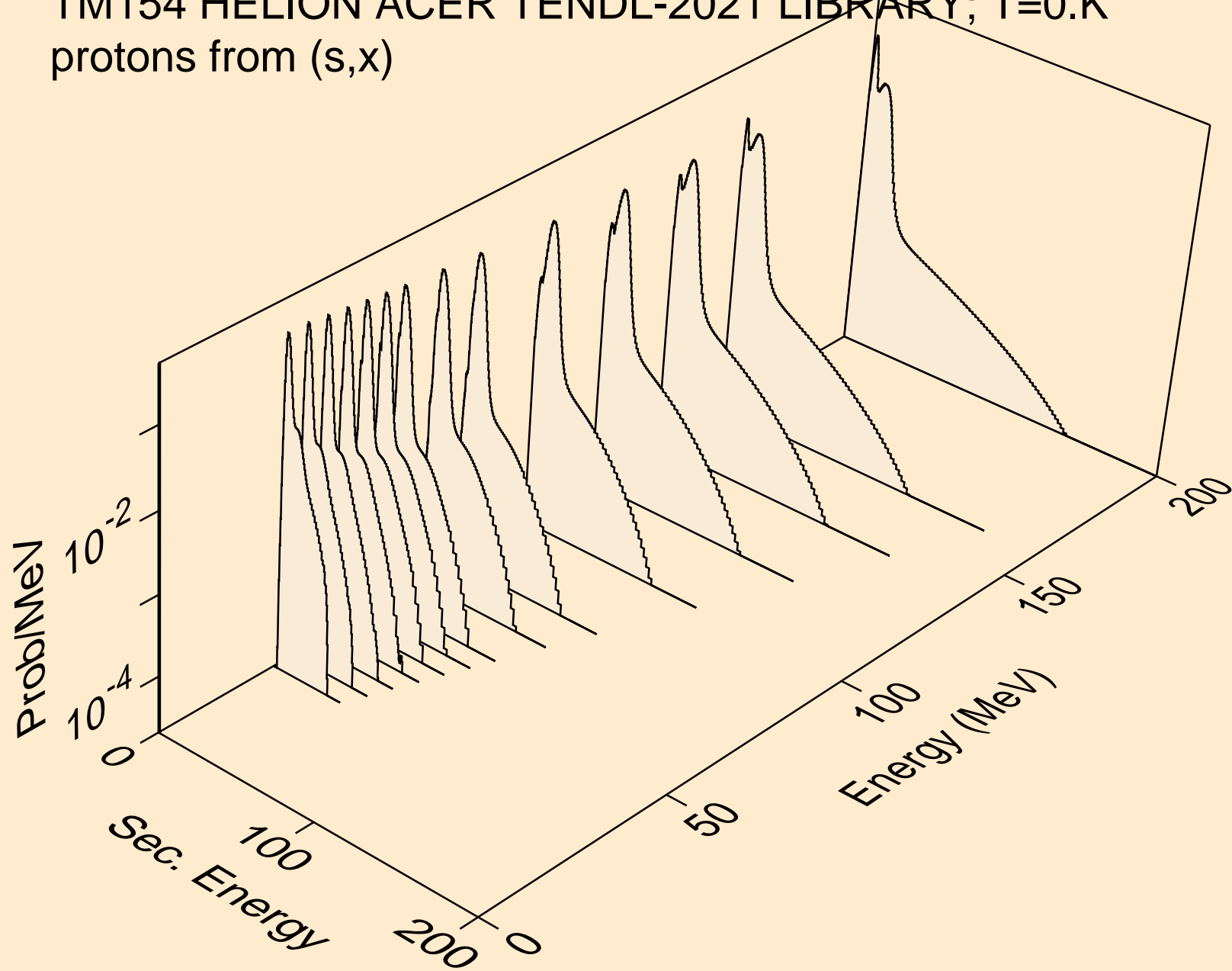
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neutrons from (s,2np)



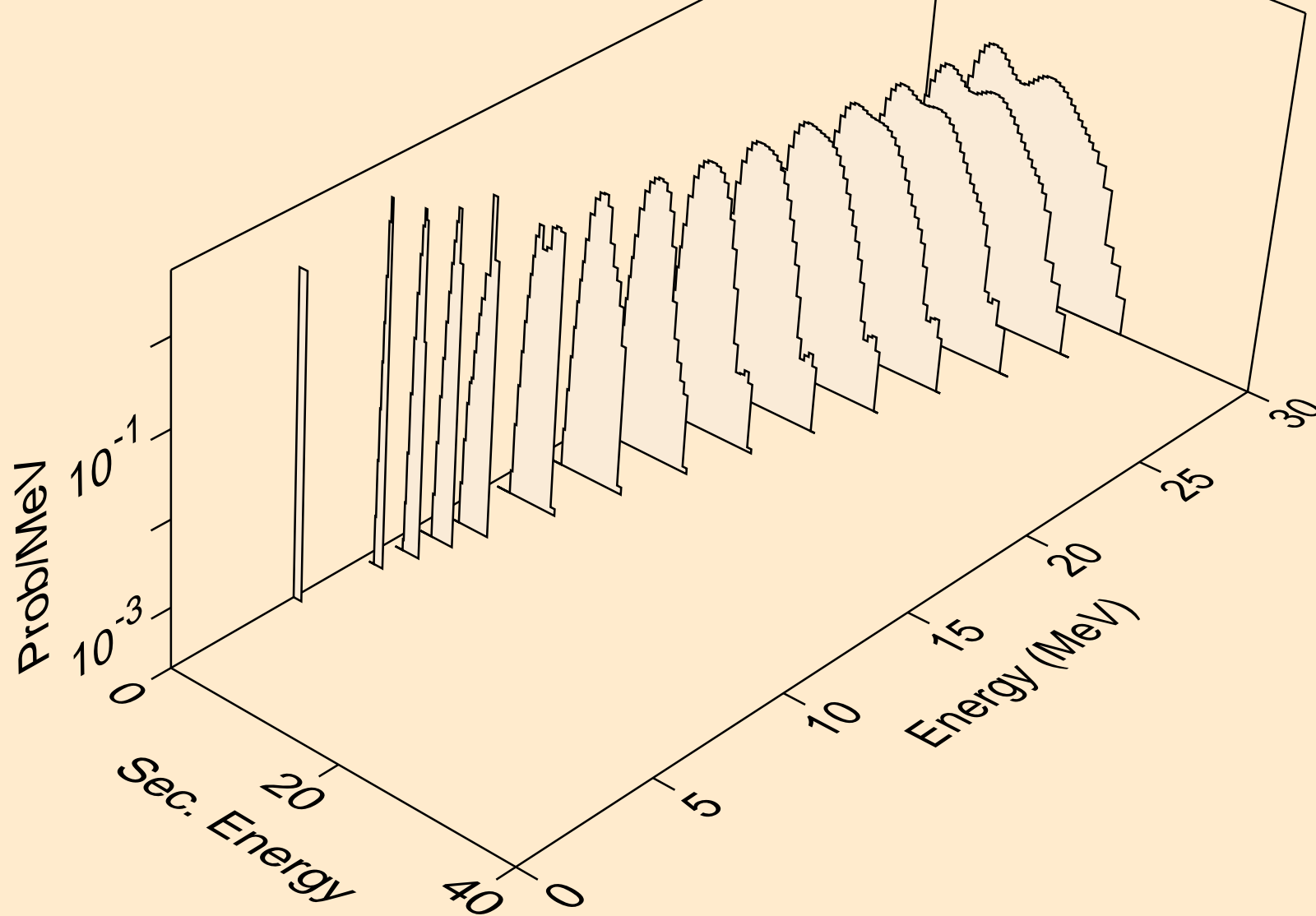
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,npa)



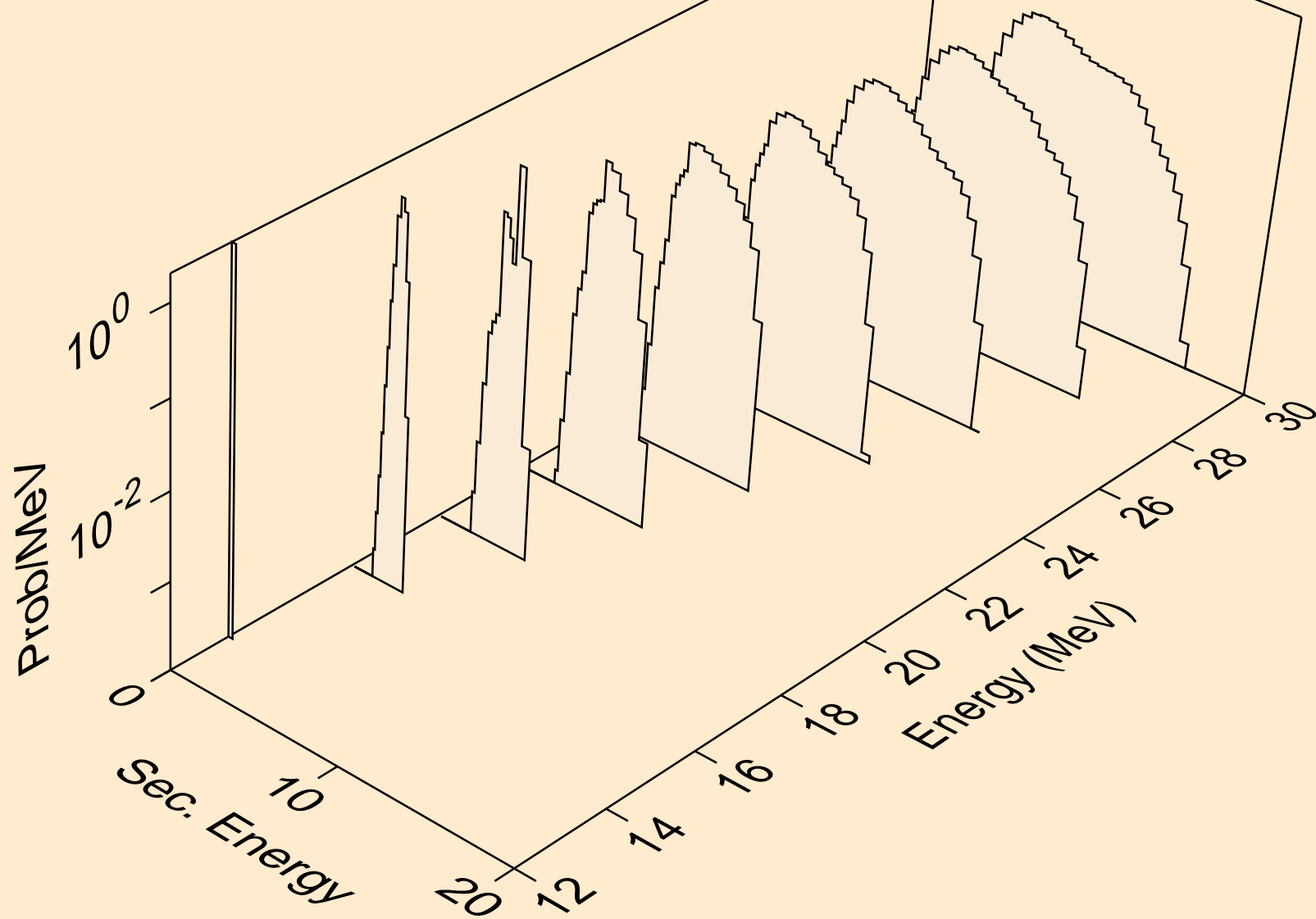
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,x)



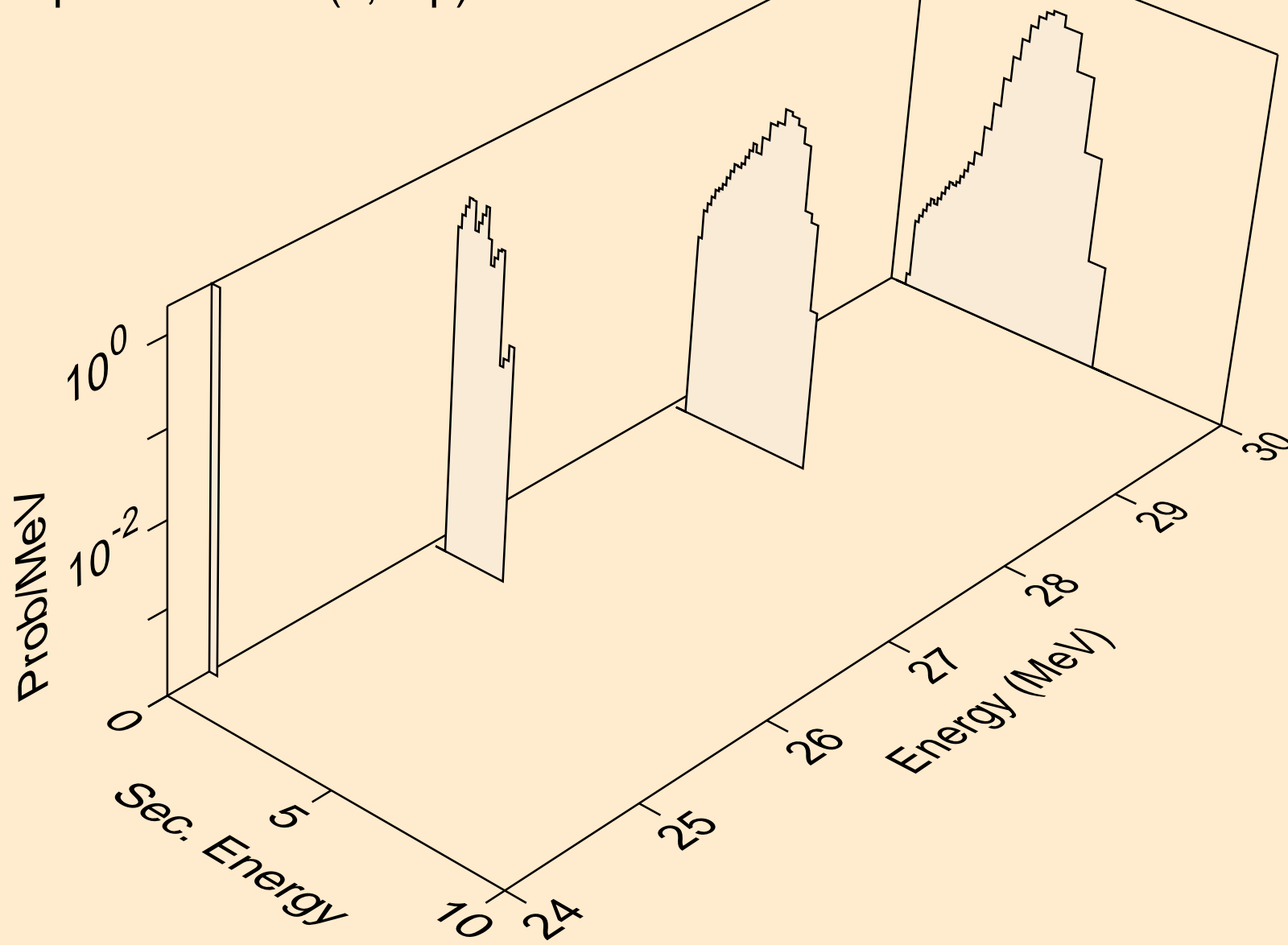
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,n\*)p



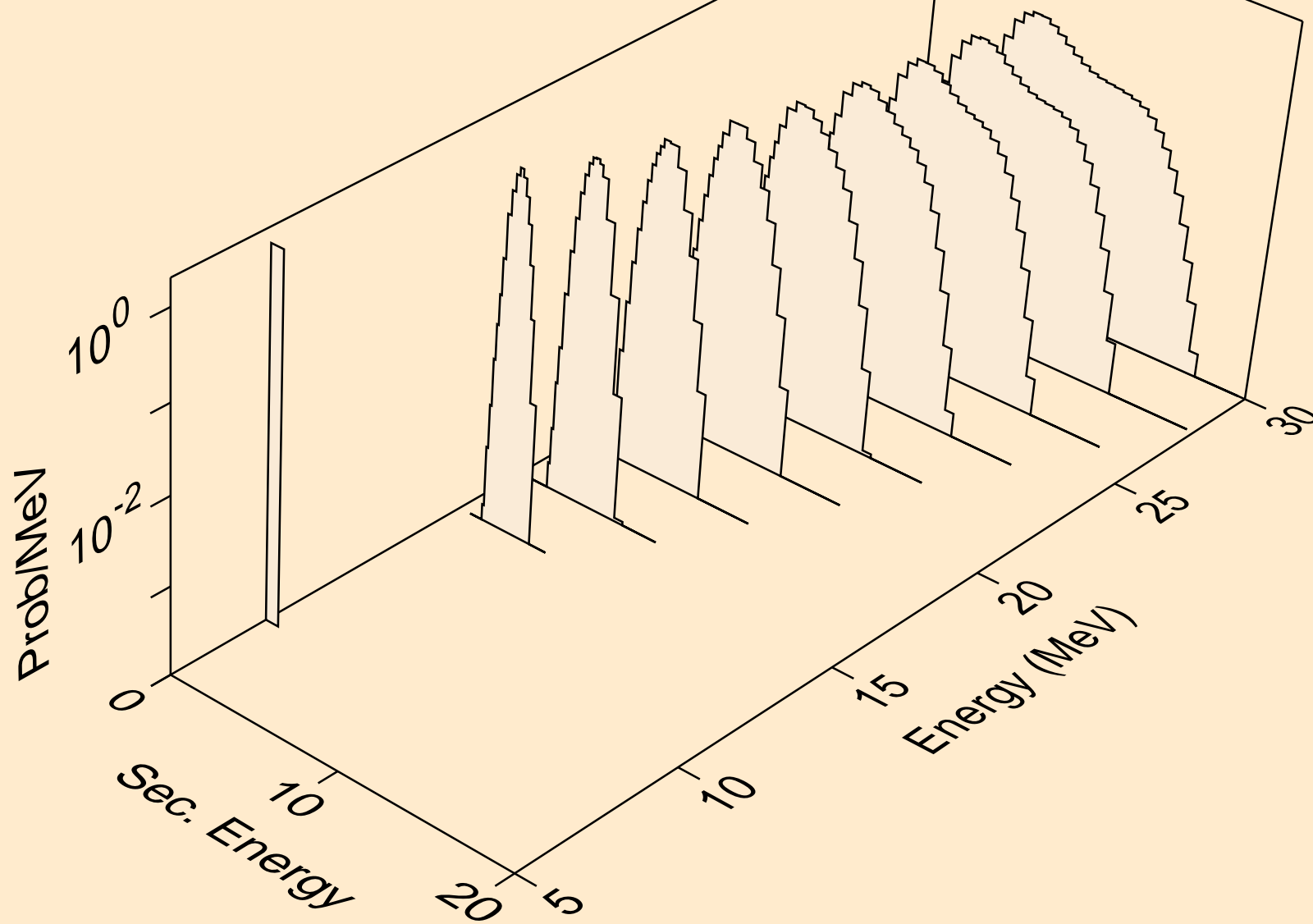
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,2np)



TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,3np)

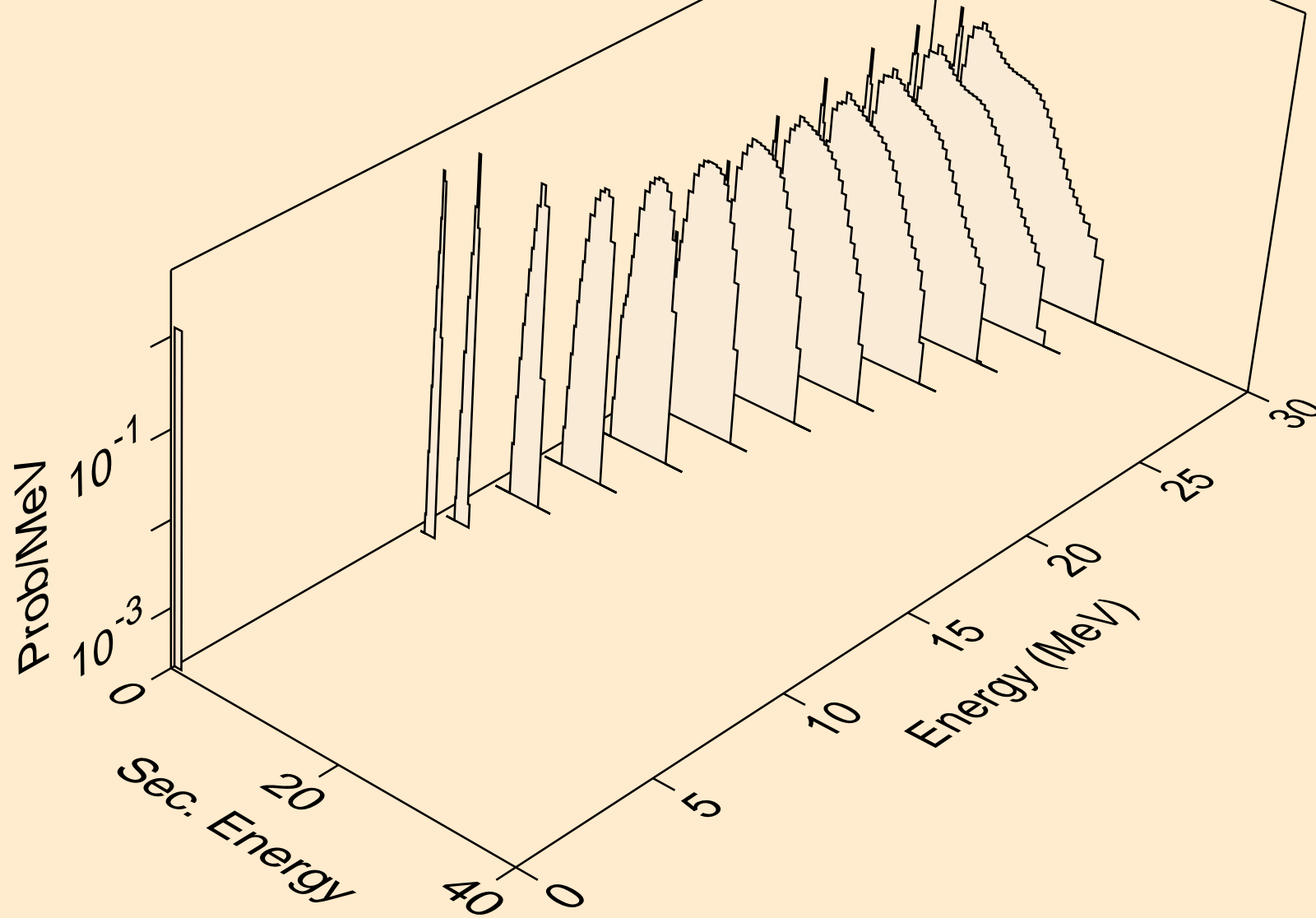


TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,2np)

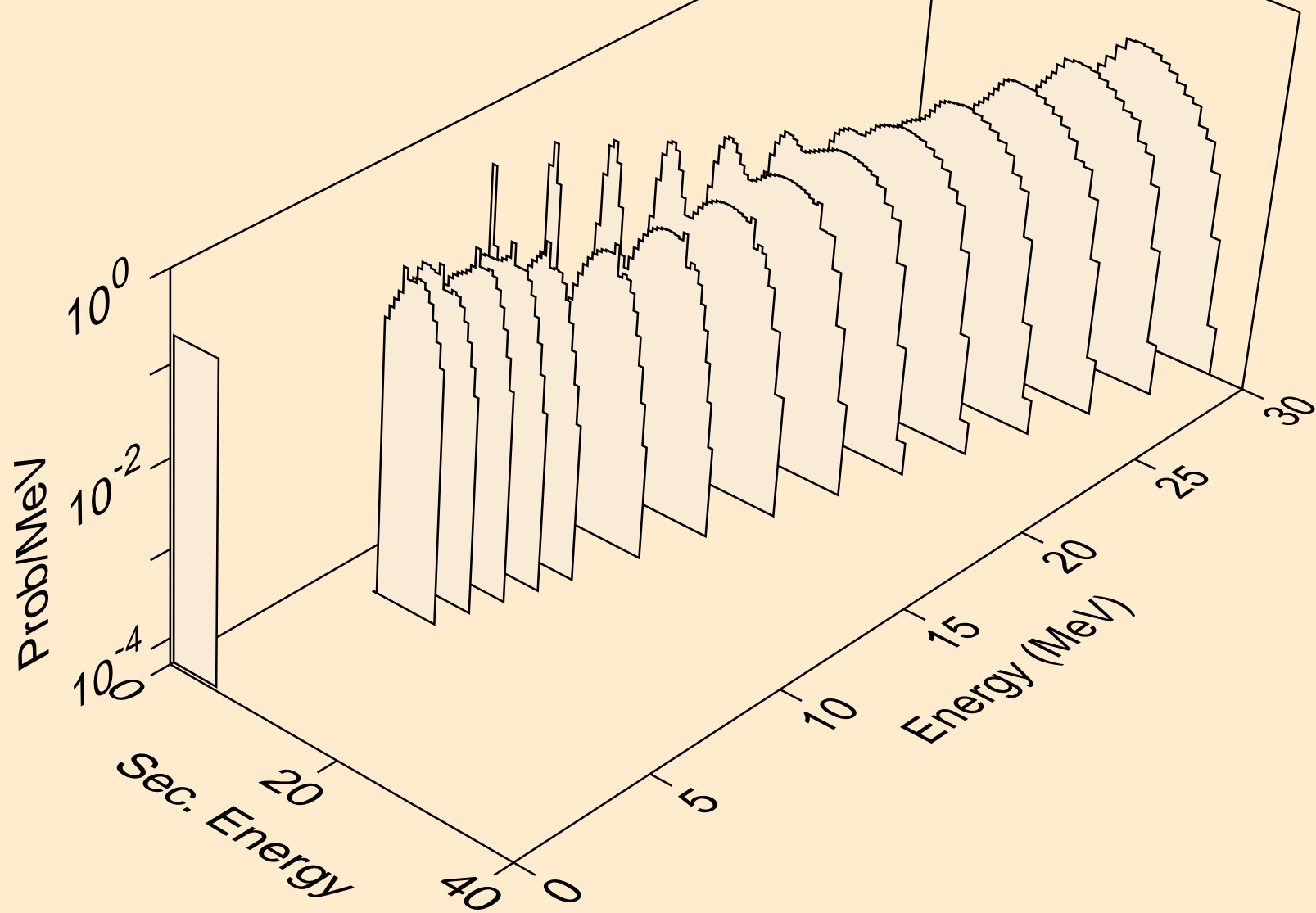




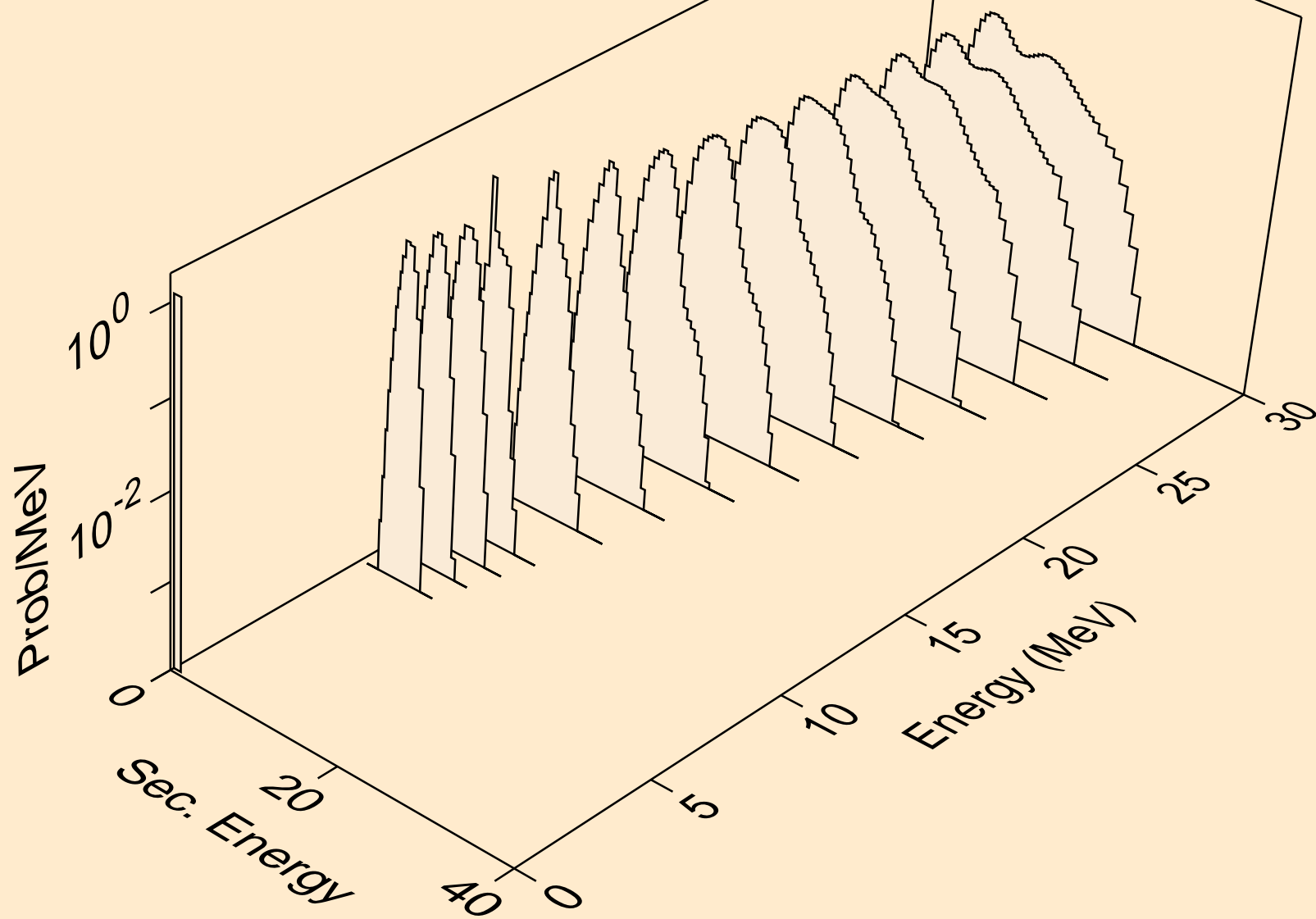
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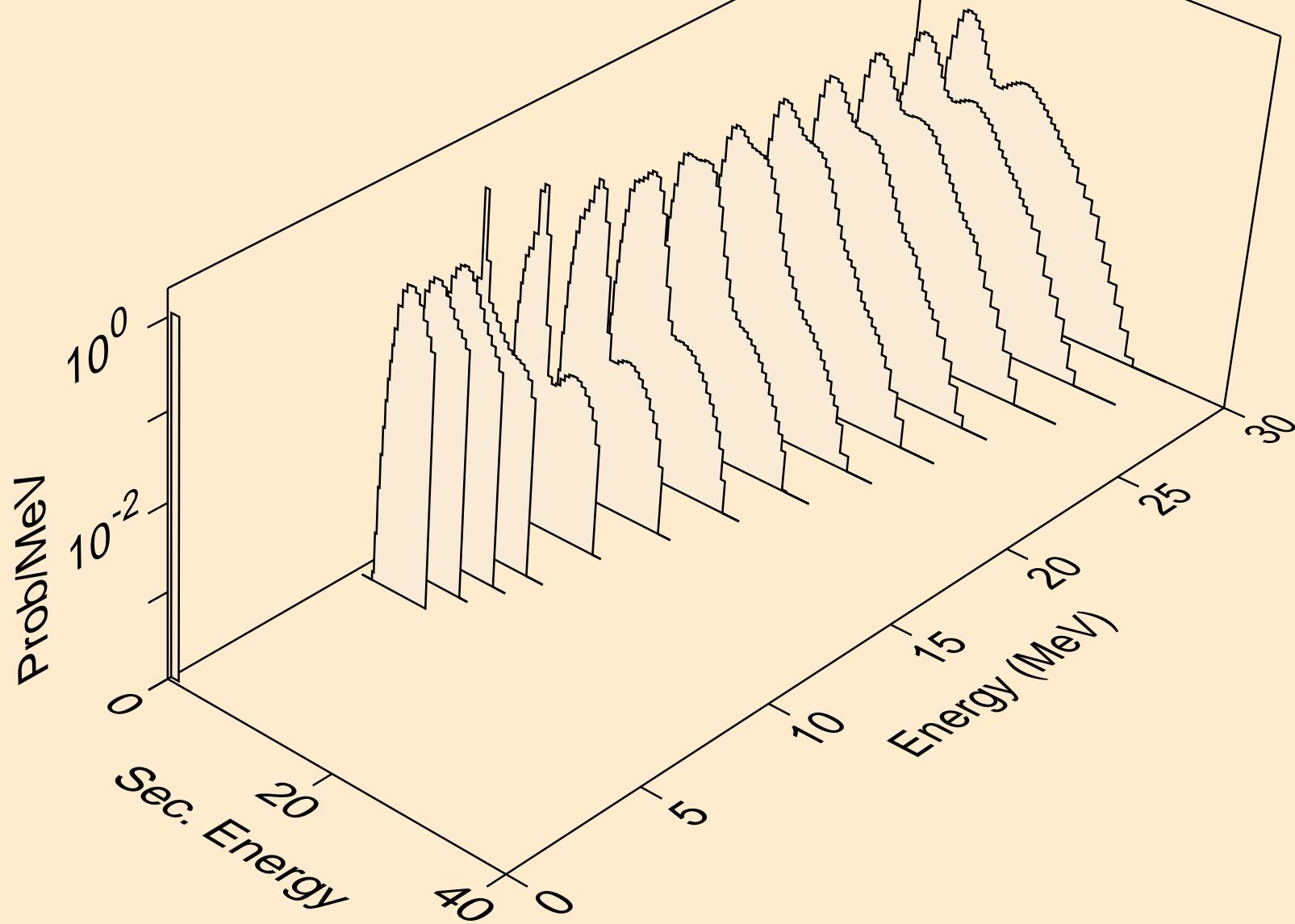
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protons from (s,p)



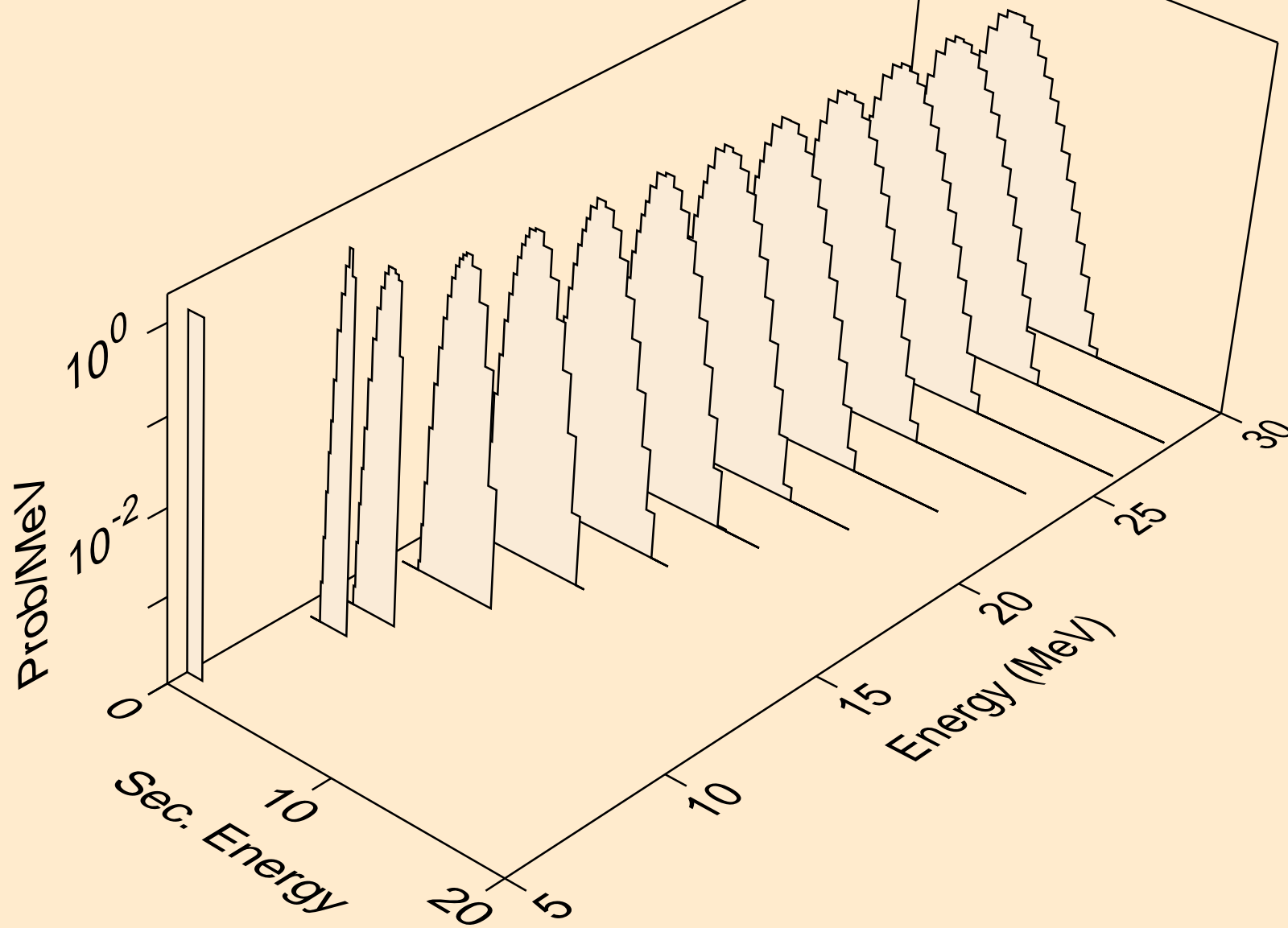
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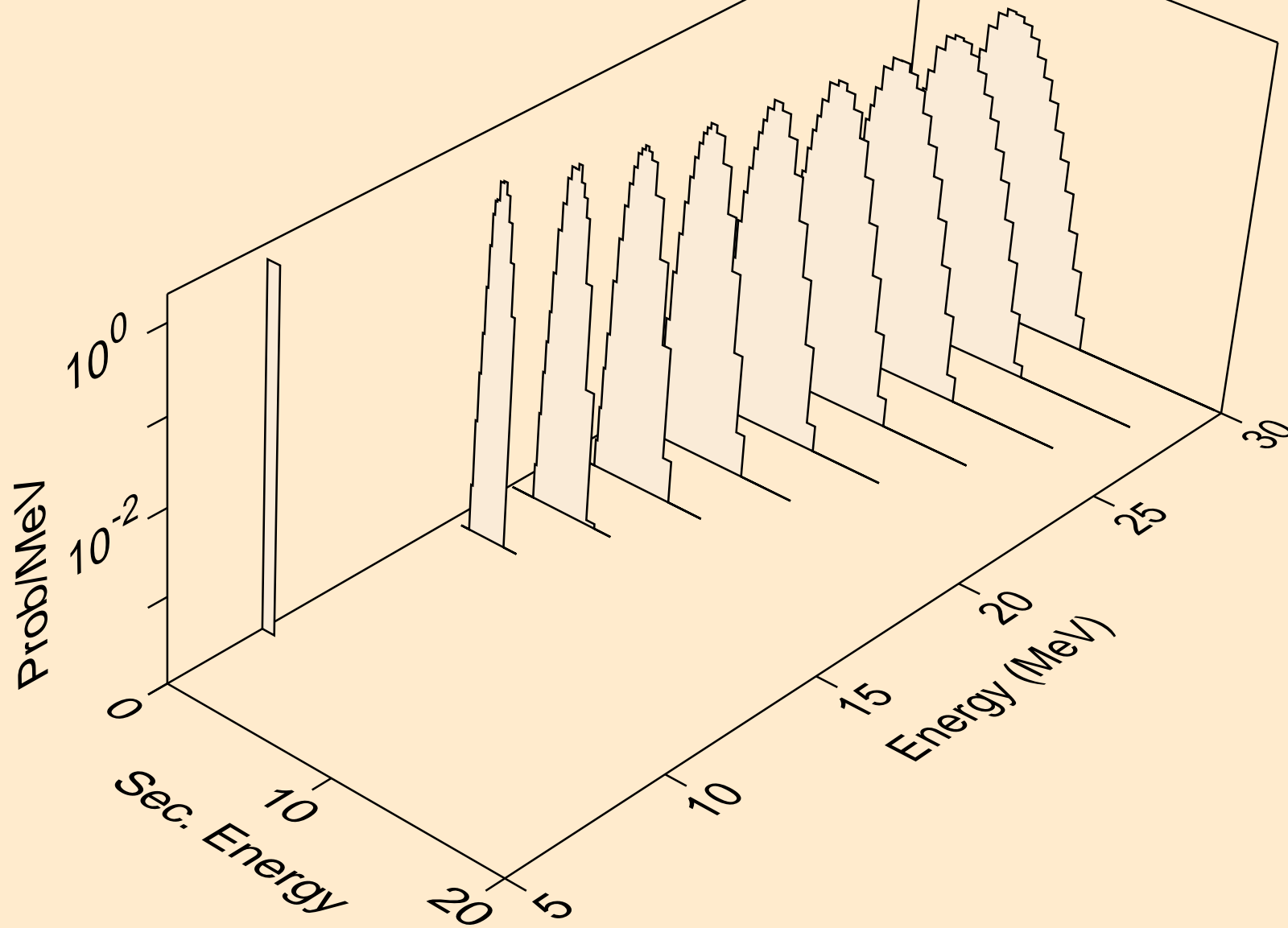
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protons from (s,pa)



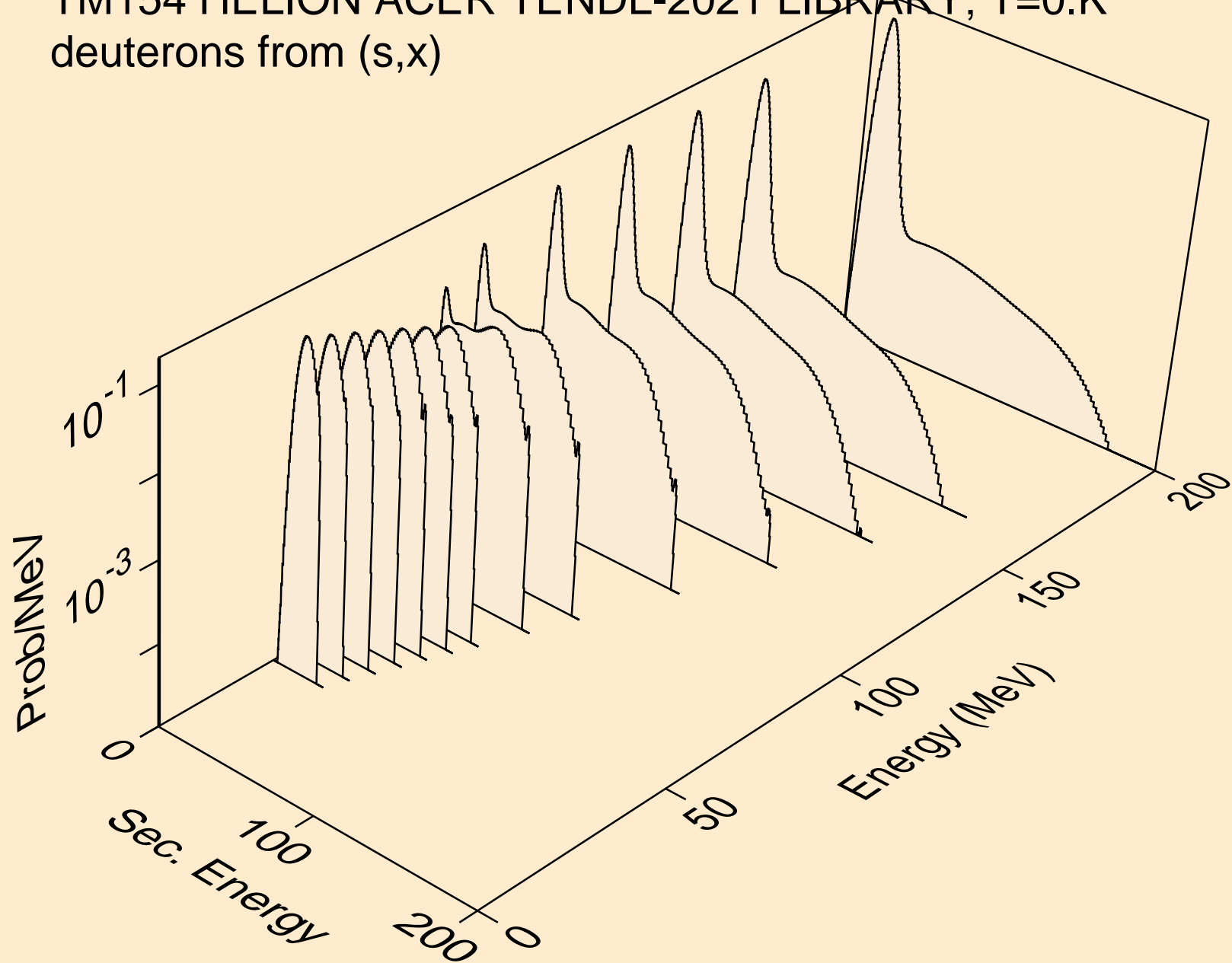
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protons from (s,pd)



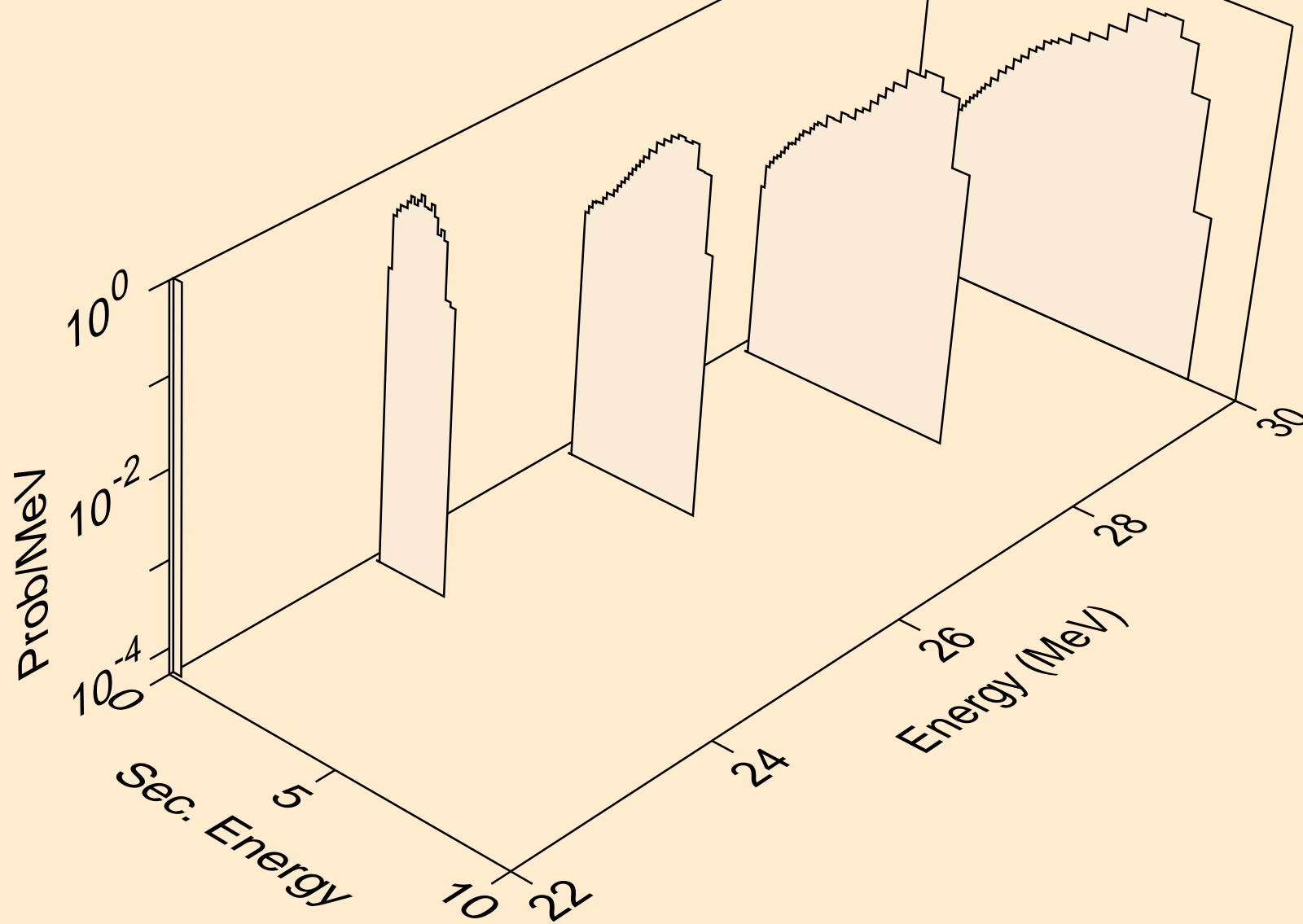
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,pt)



TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,x)

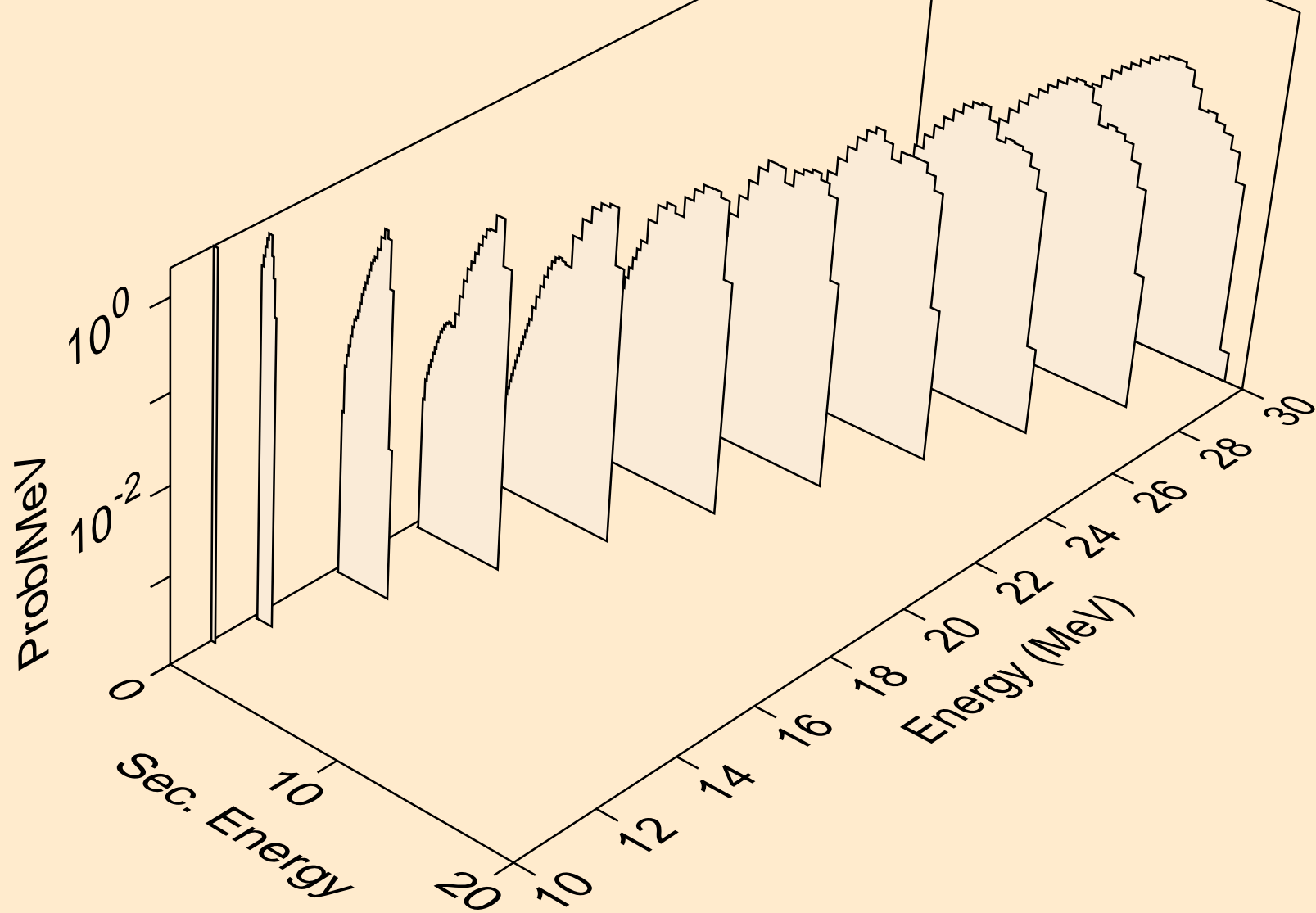


TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,2nd)

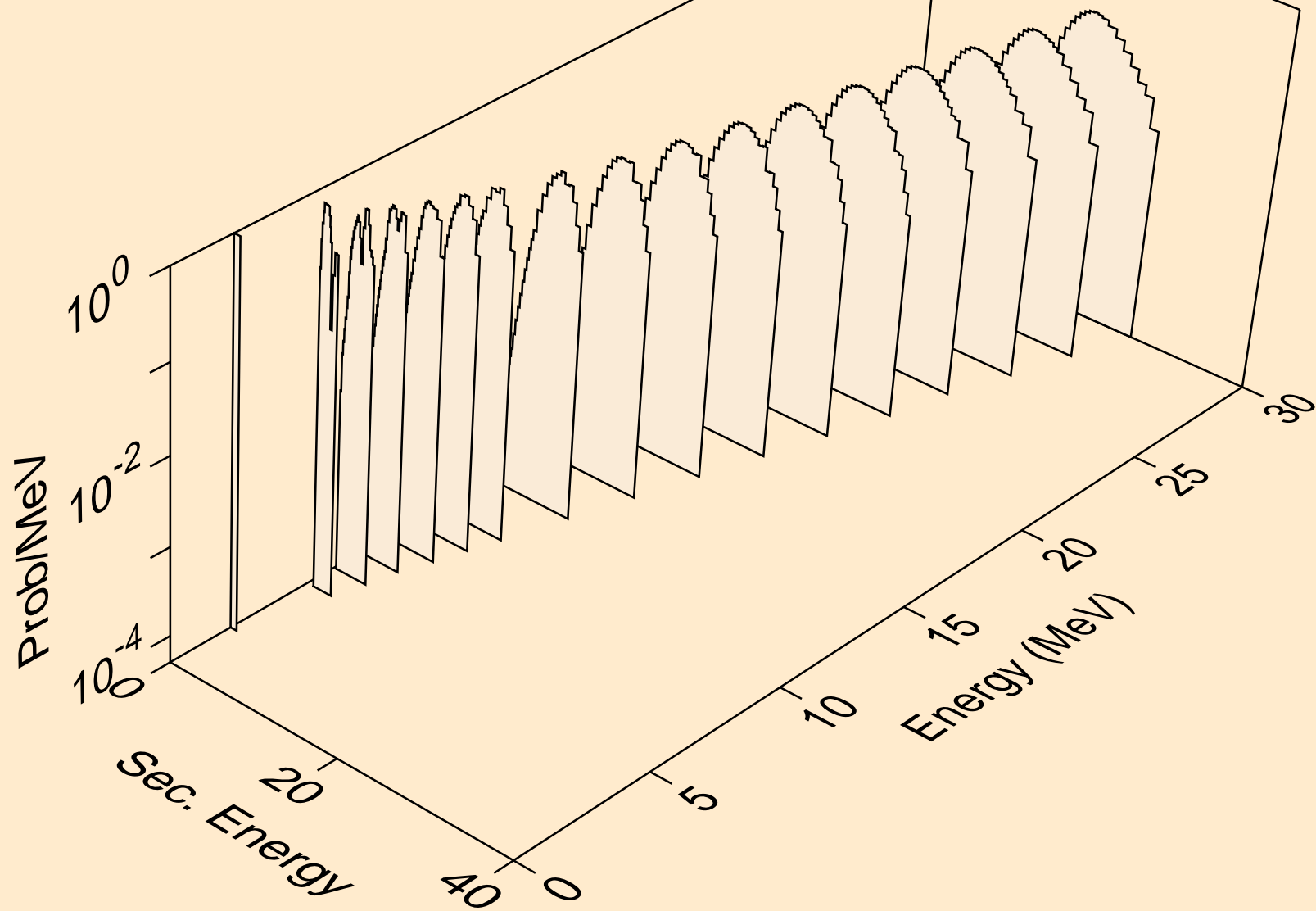




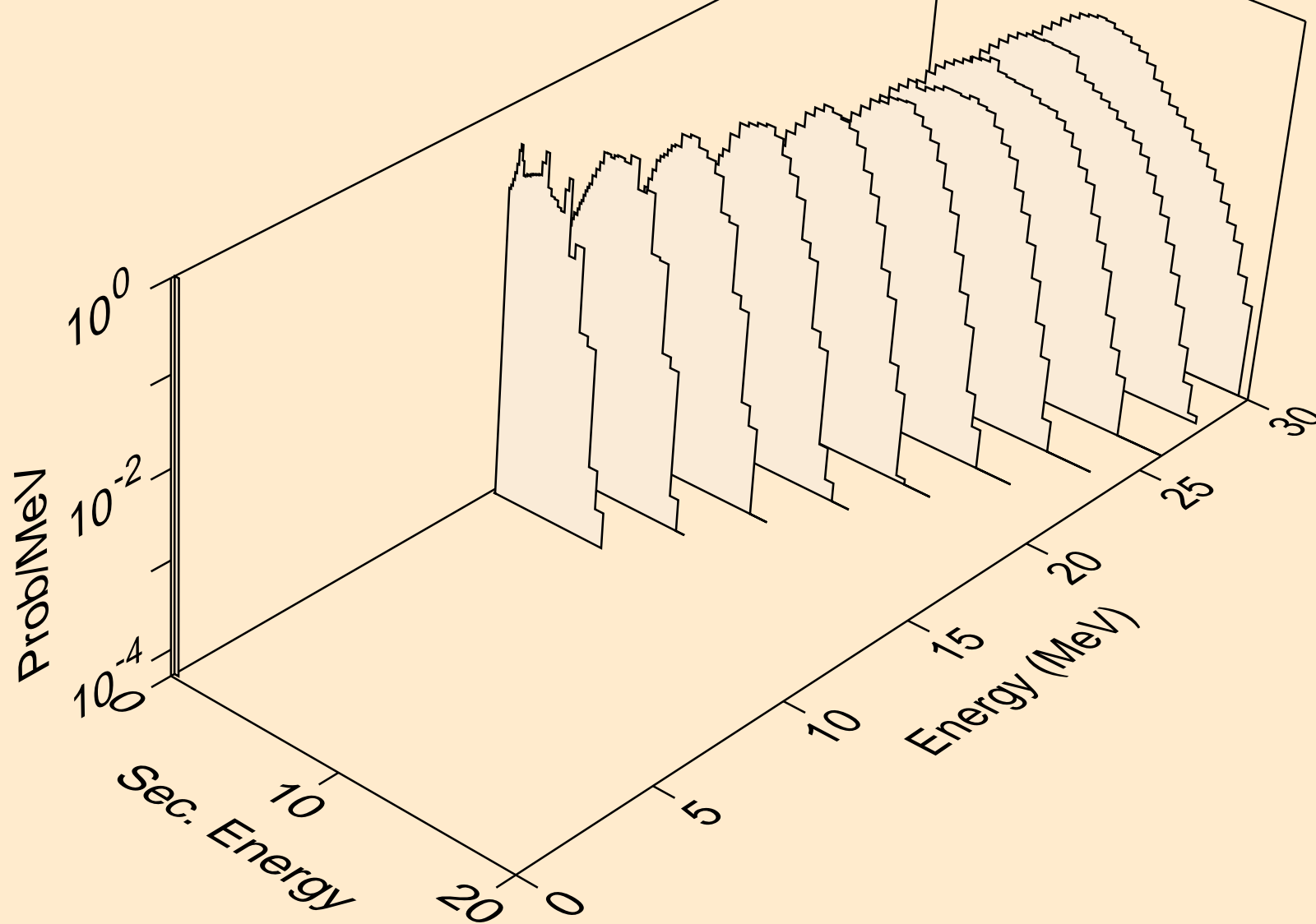
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,n\*)d



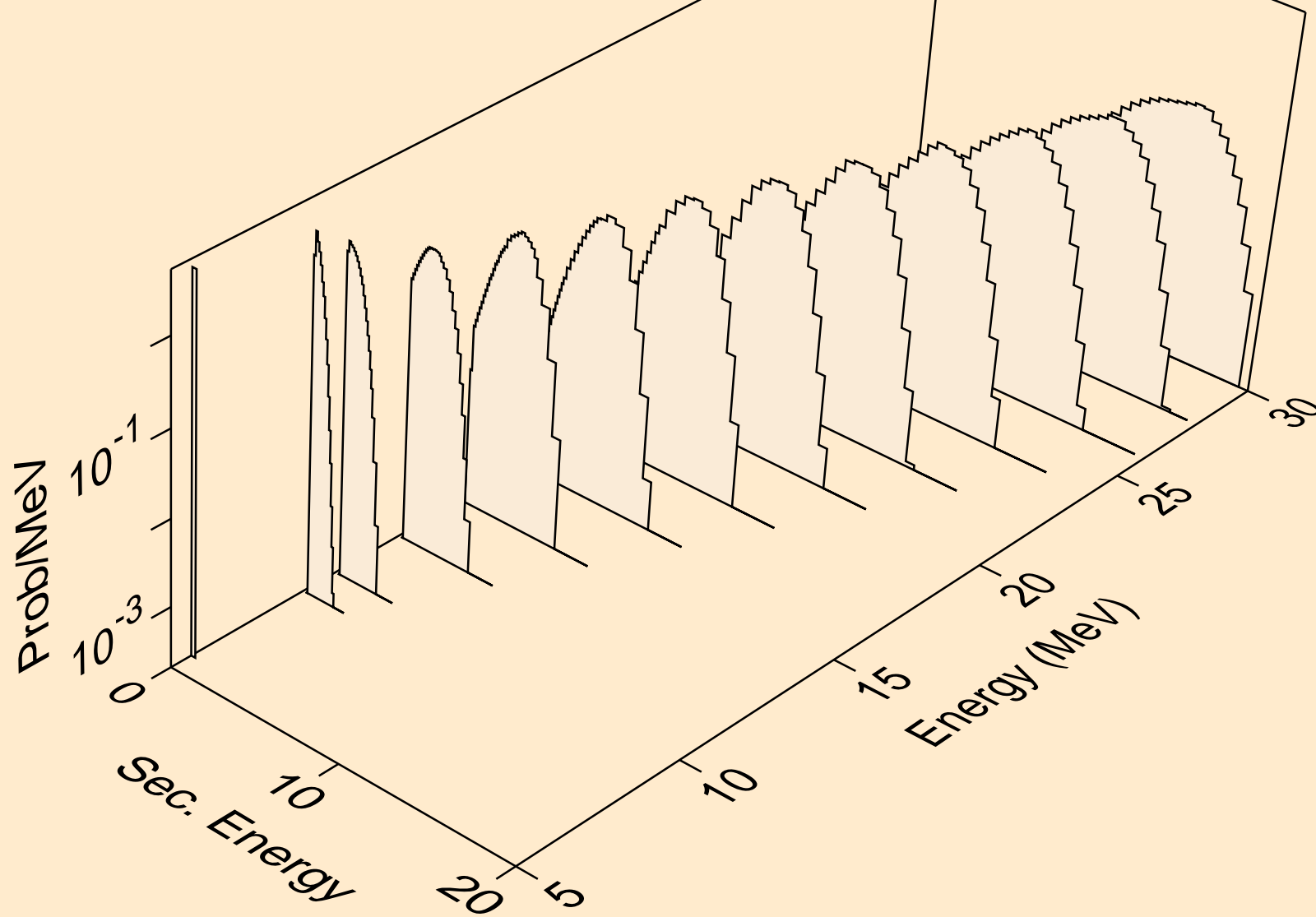
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deuterons from (s,d)



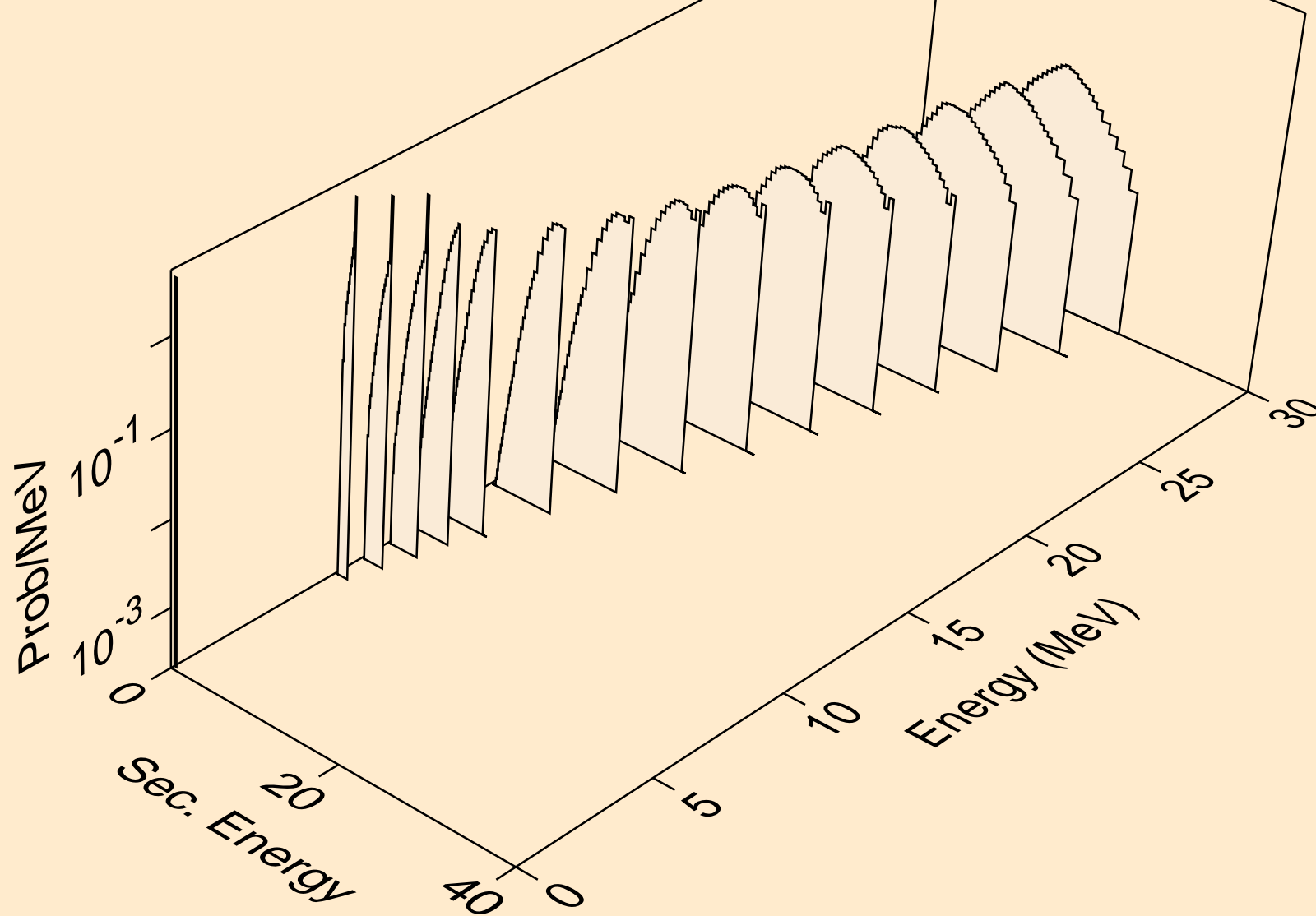
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deuterons from (s,d2a)



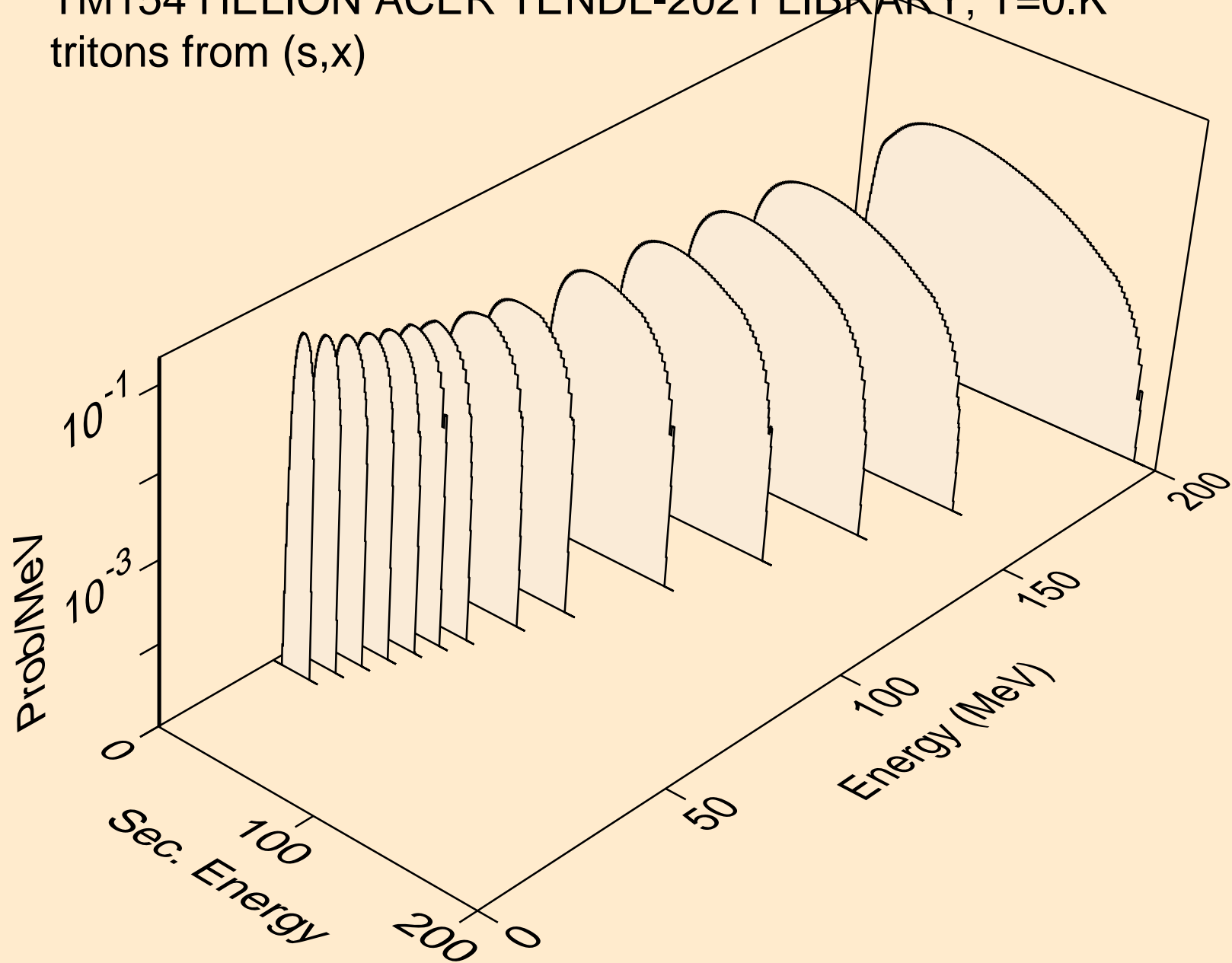
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deuterons from (s,pd)



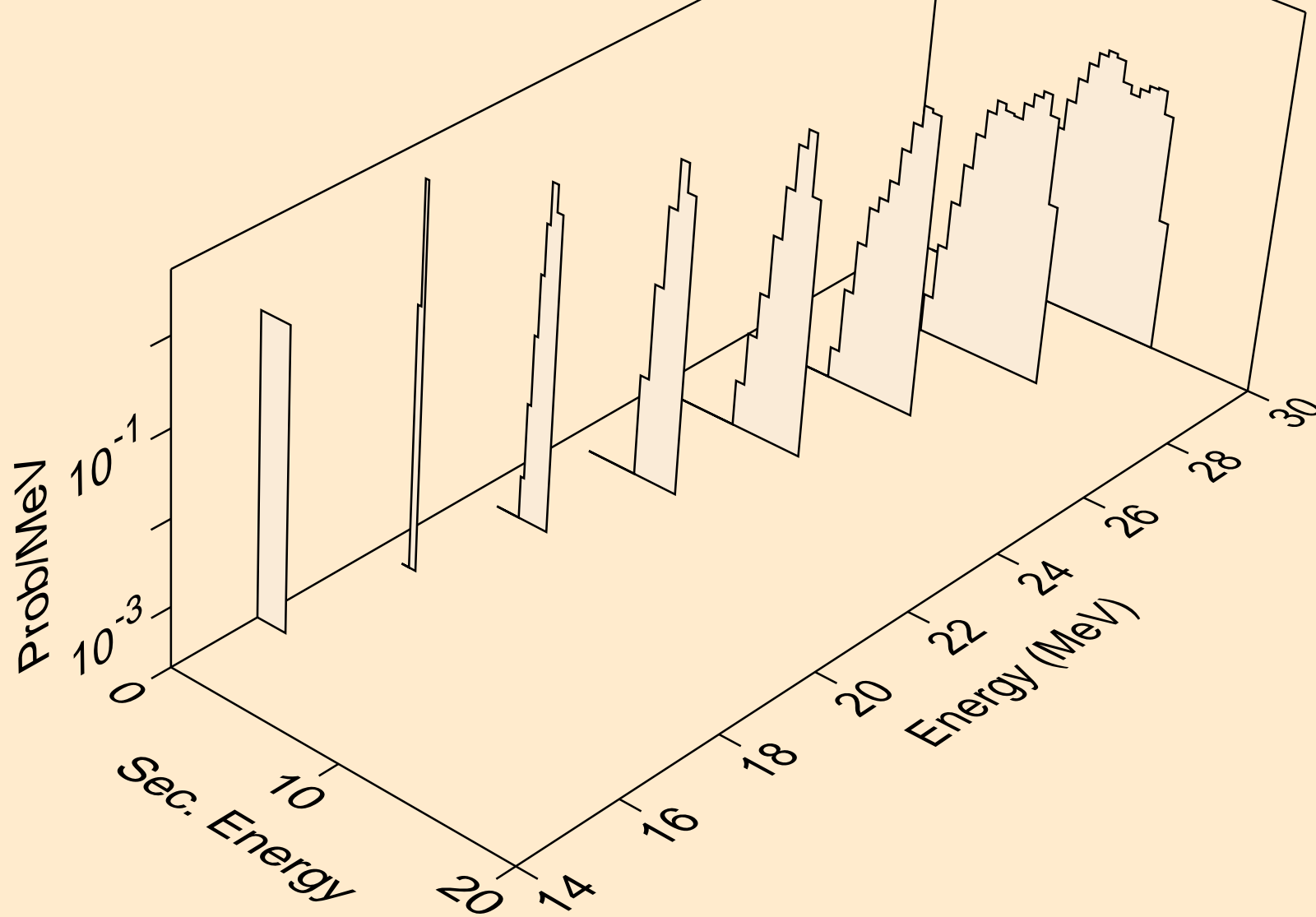
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deuterons from (s,da)



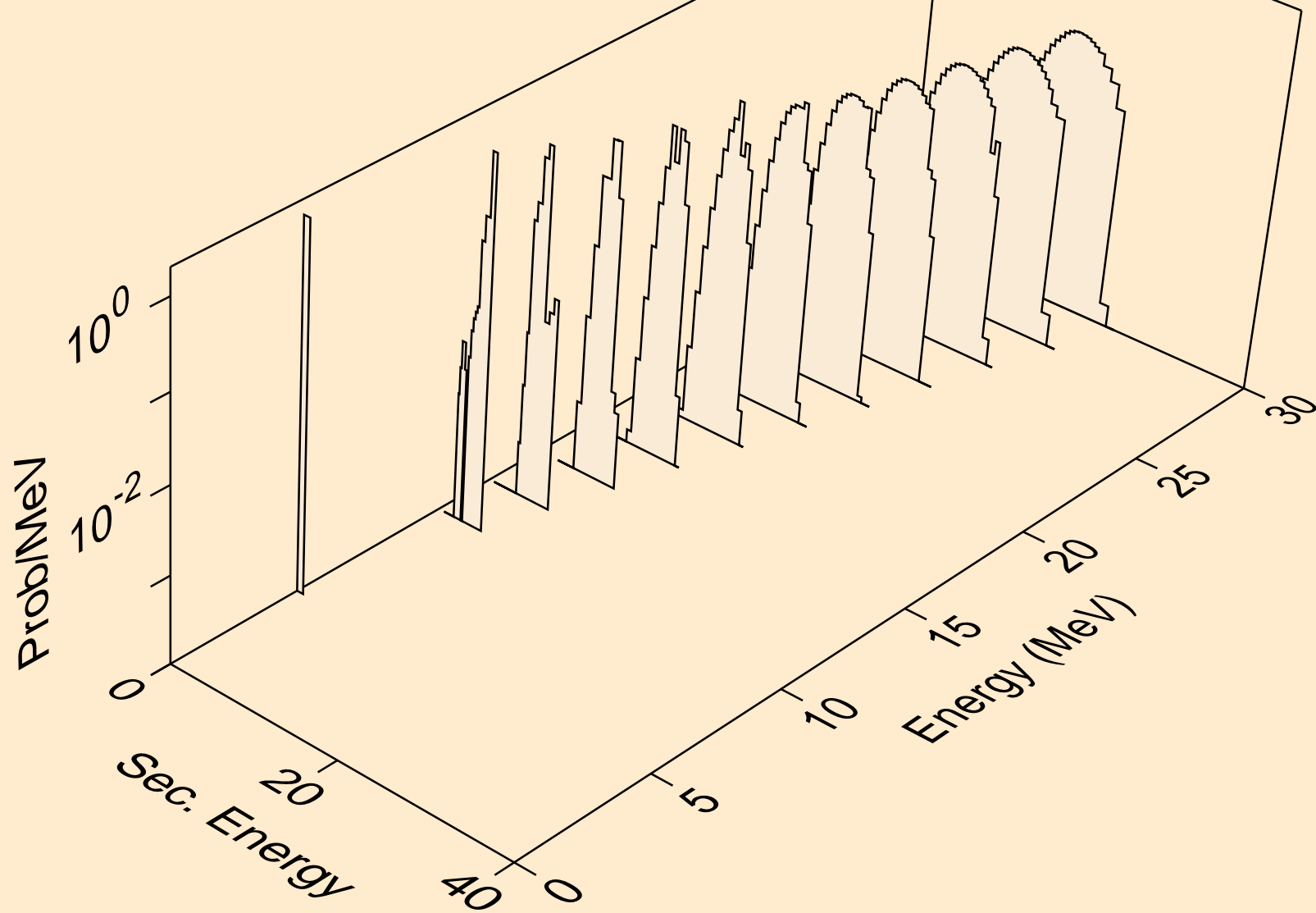
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,x)



TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,n\*)t

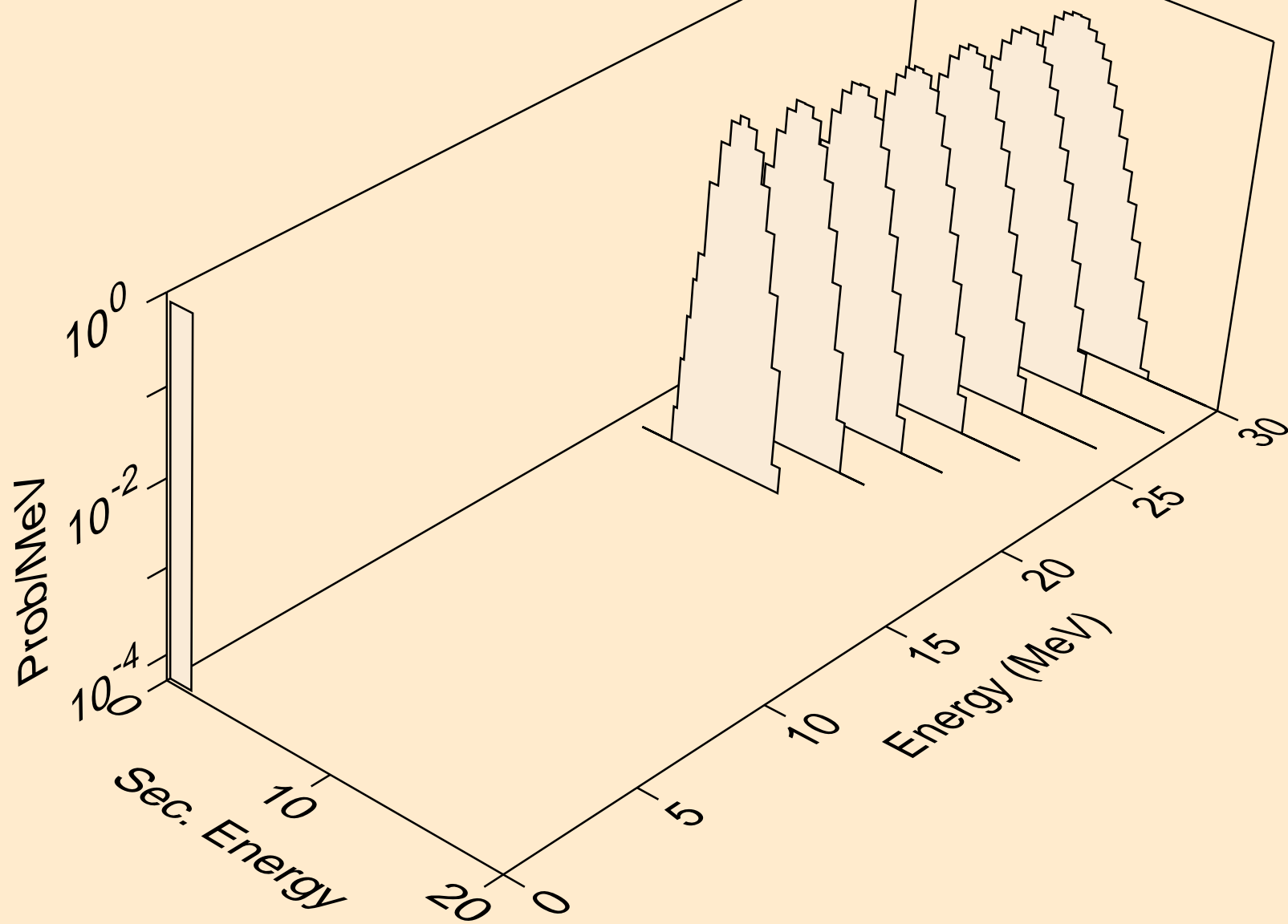


TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,t)

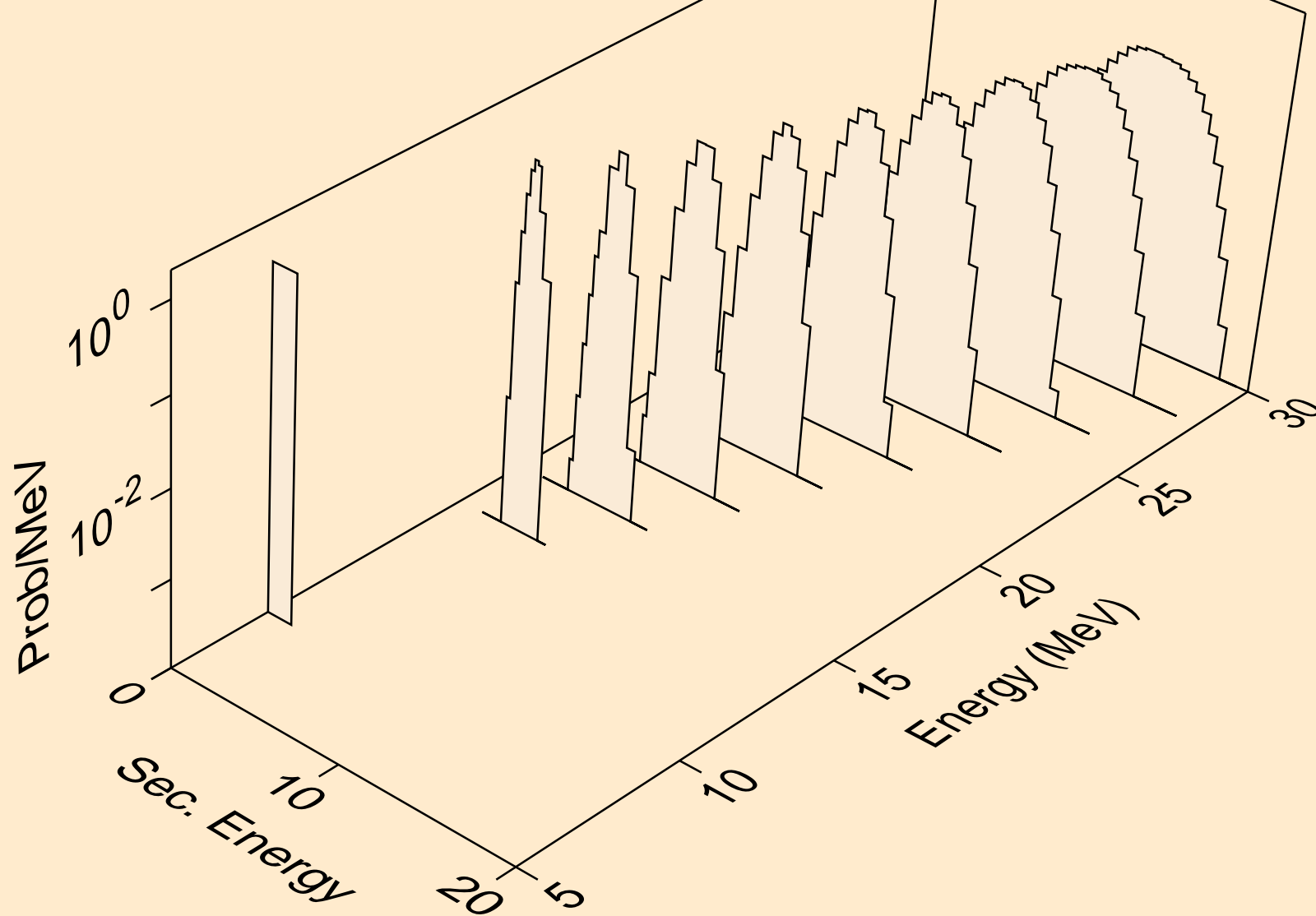




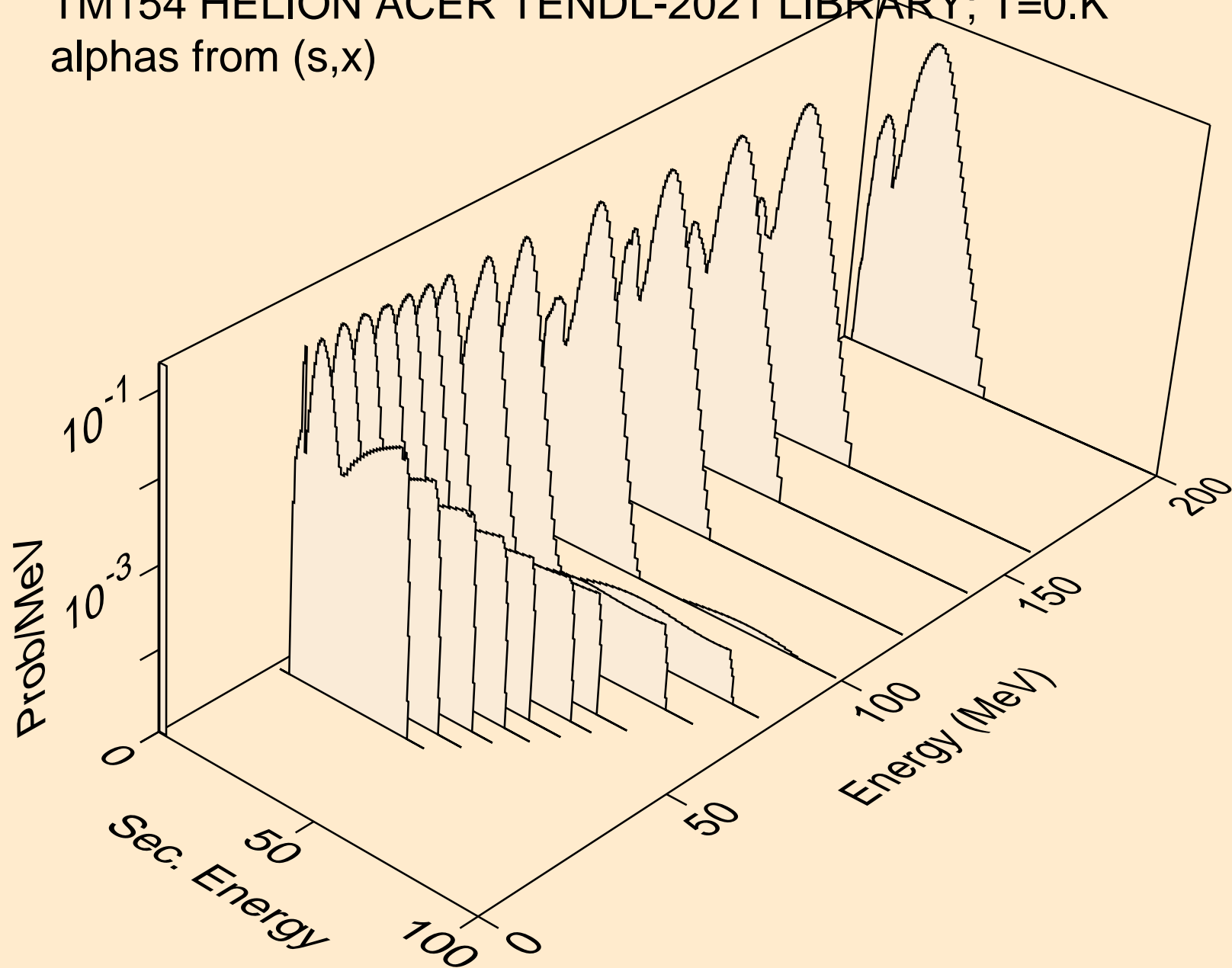
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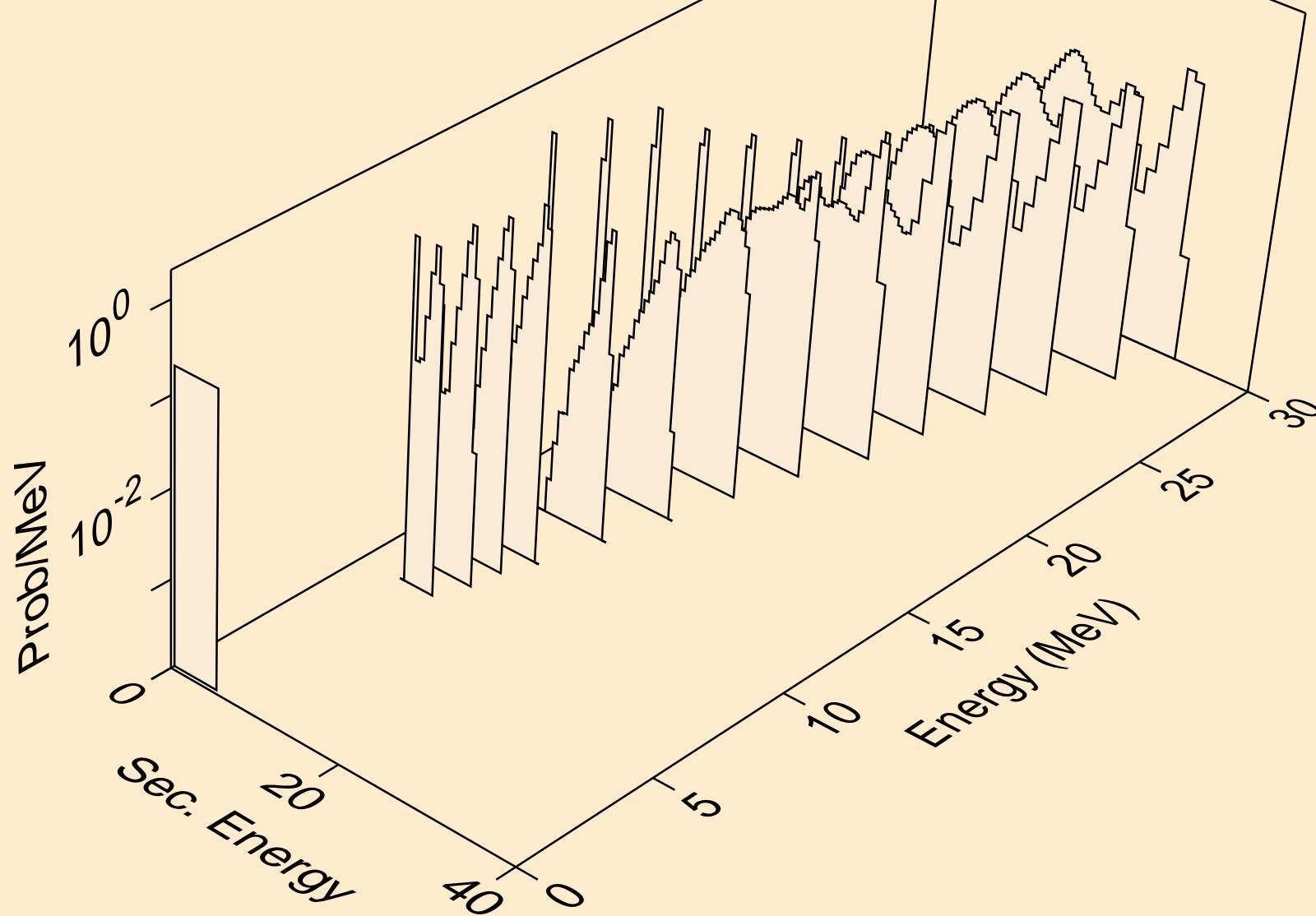
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,pt)



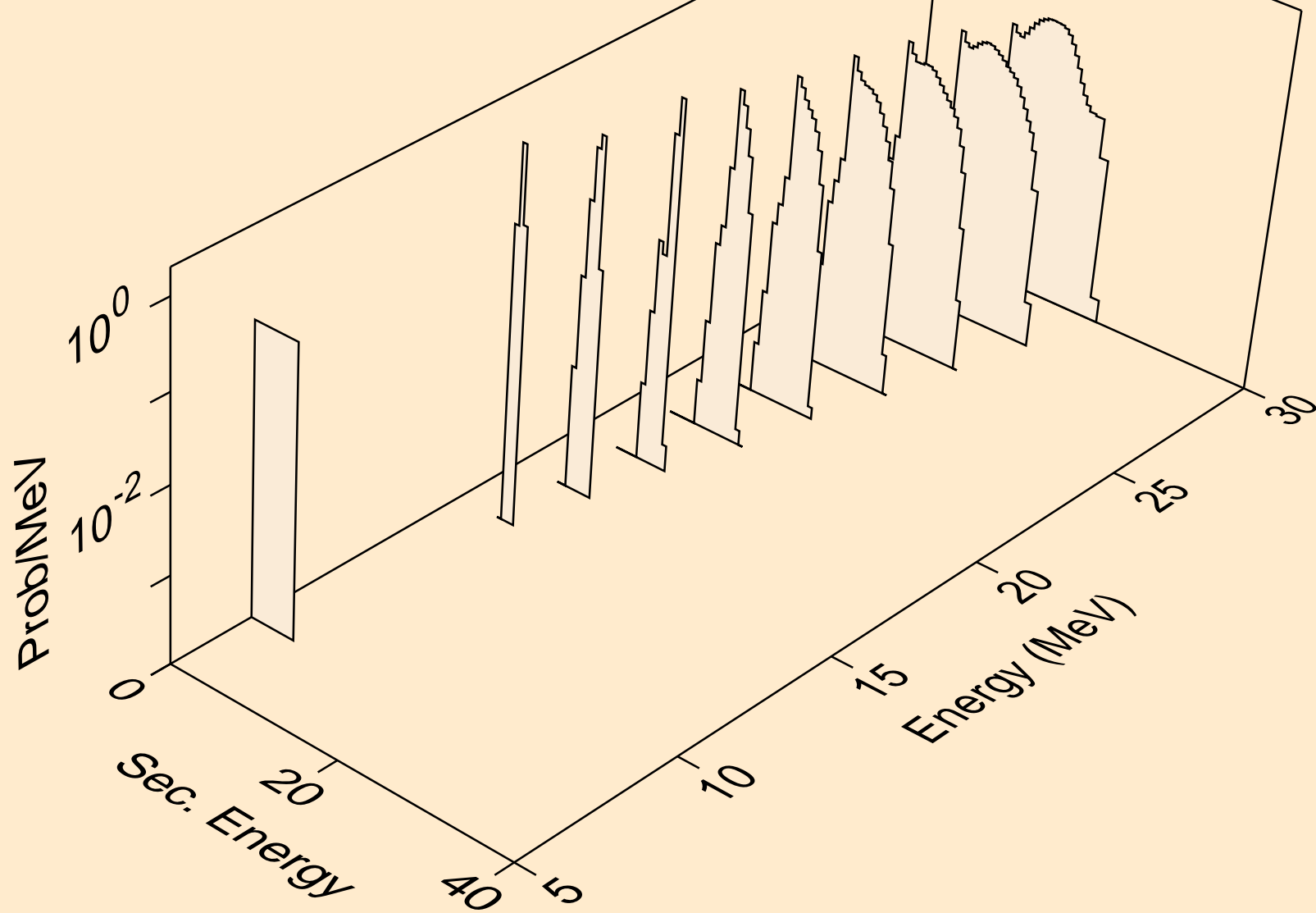
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,x)



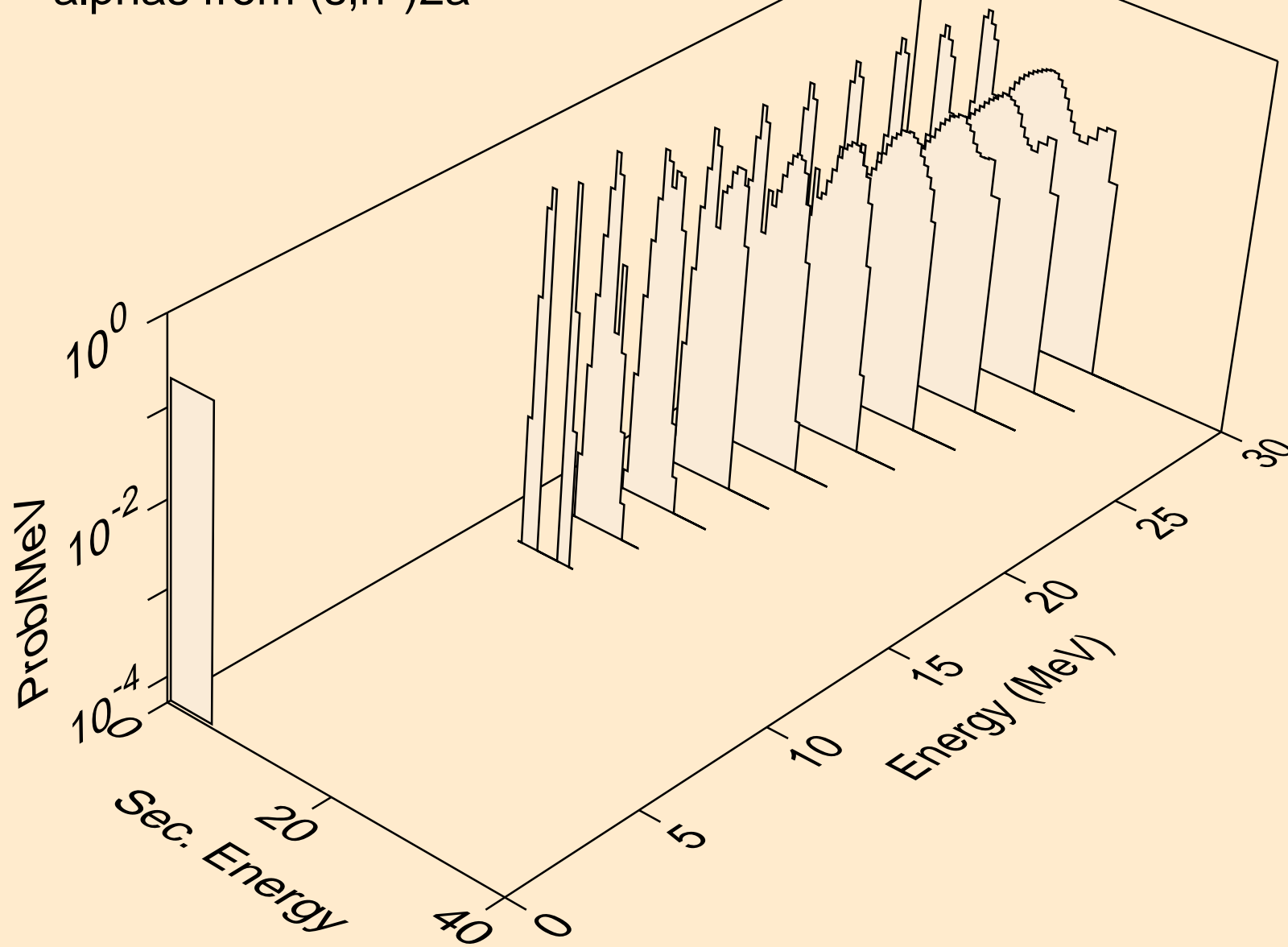
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alphas from (s,n\*)a



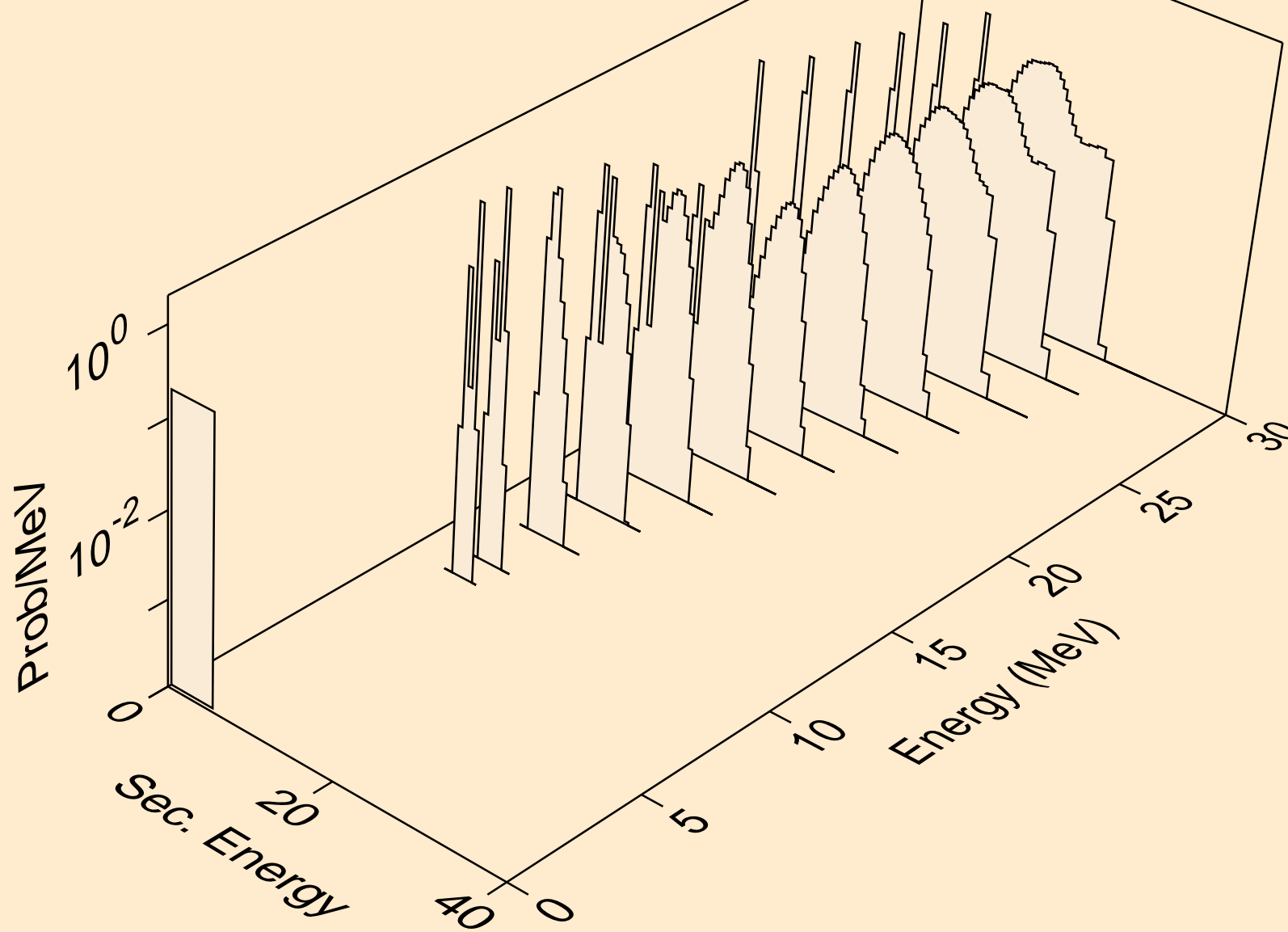
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alphas from (s,2n)a



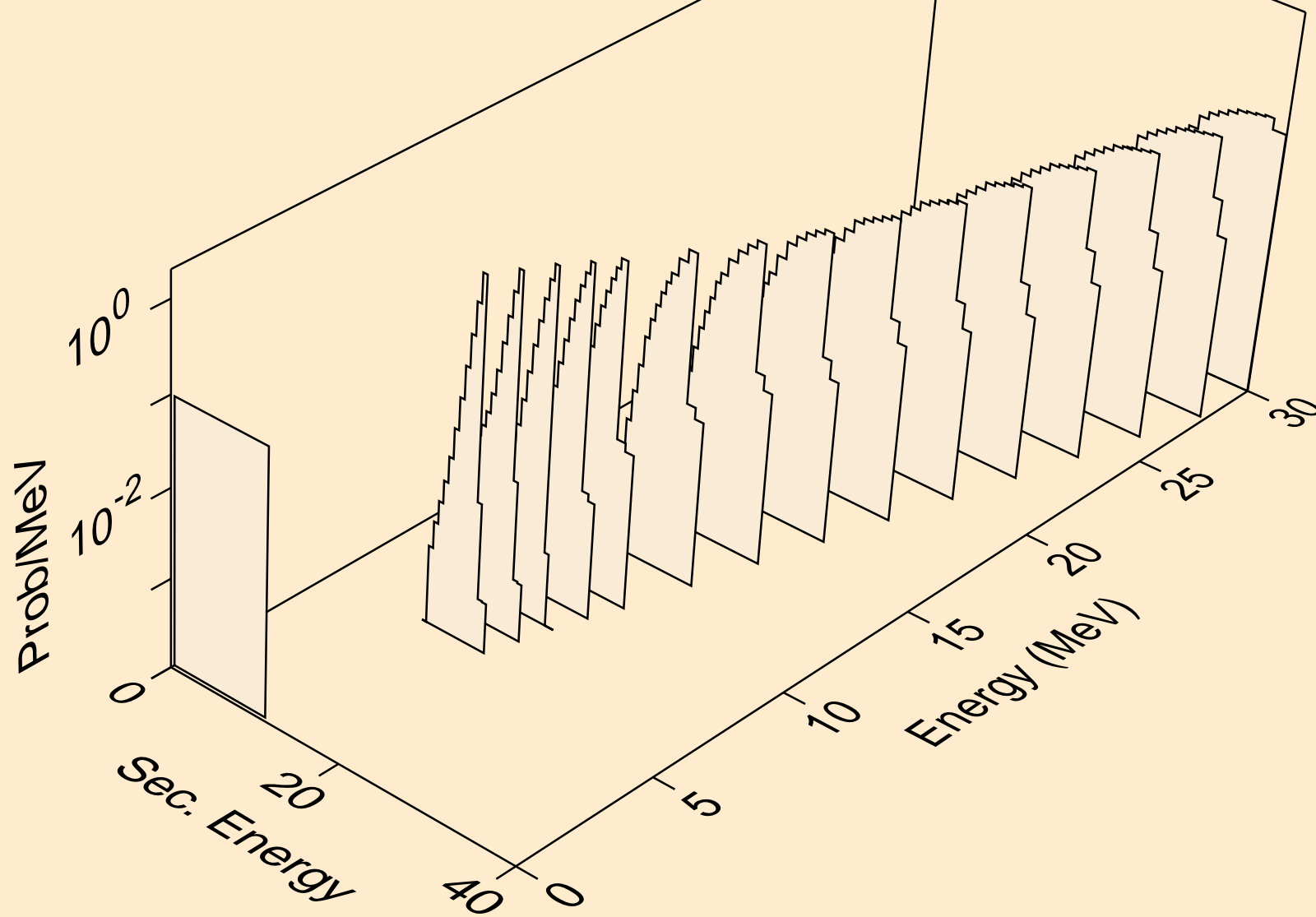
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alphas from (s,n\*)2a



TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,npa)

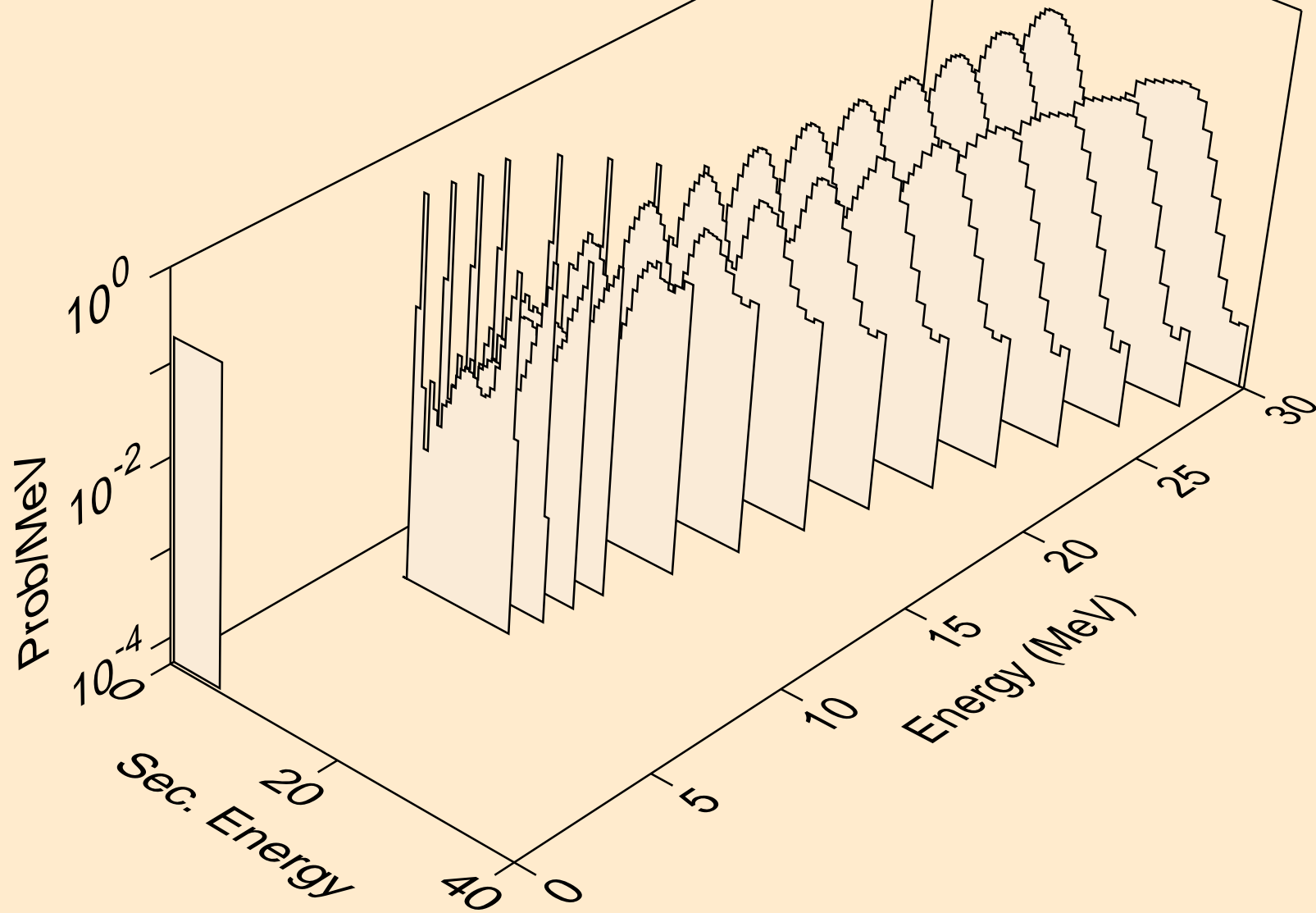


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alphas from (s,a)

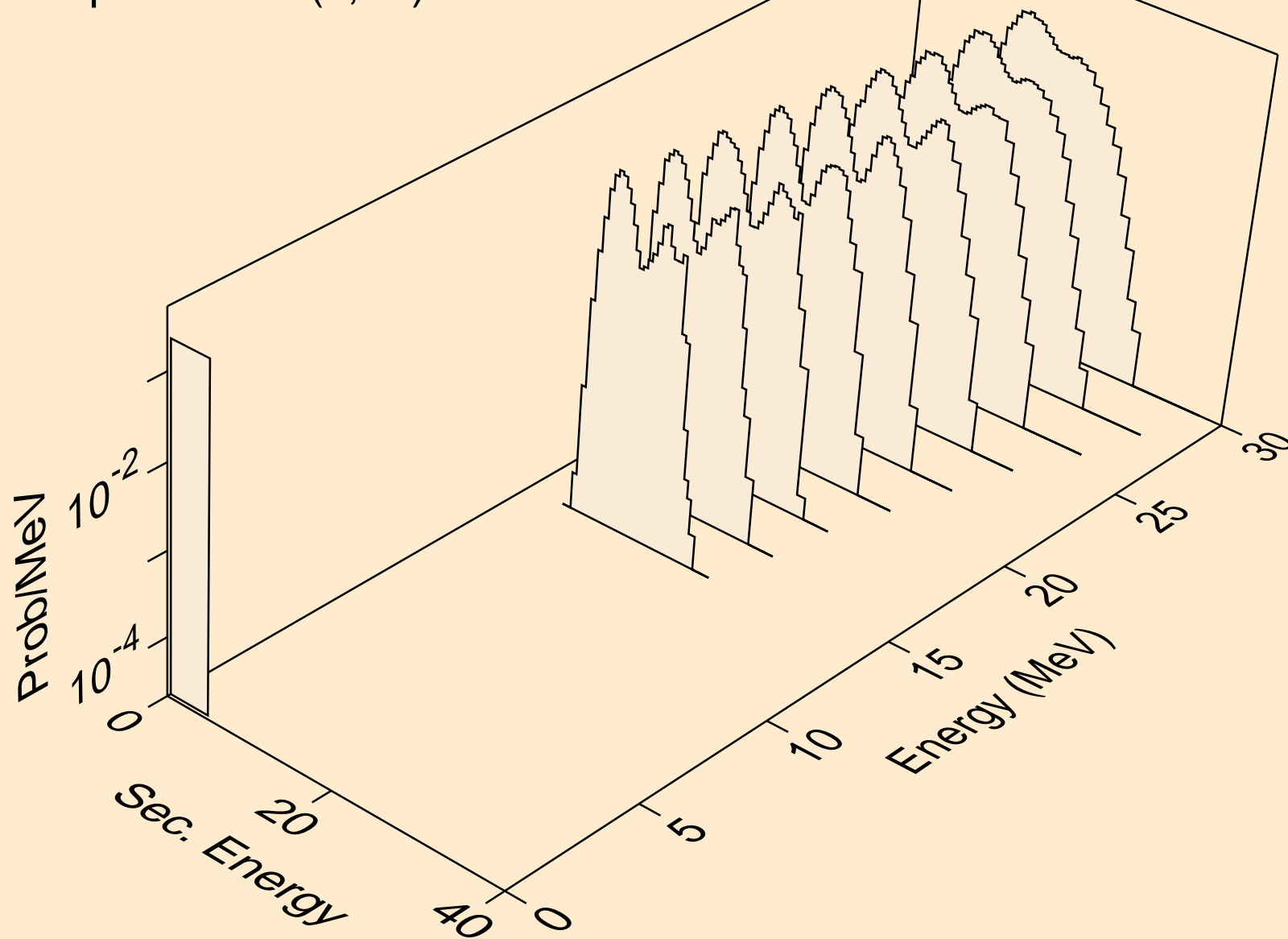




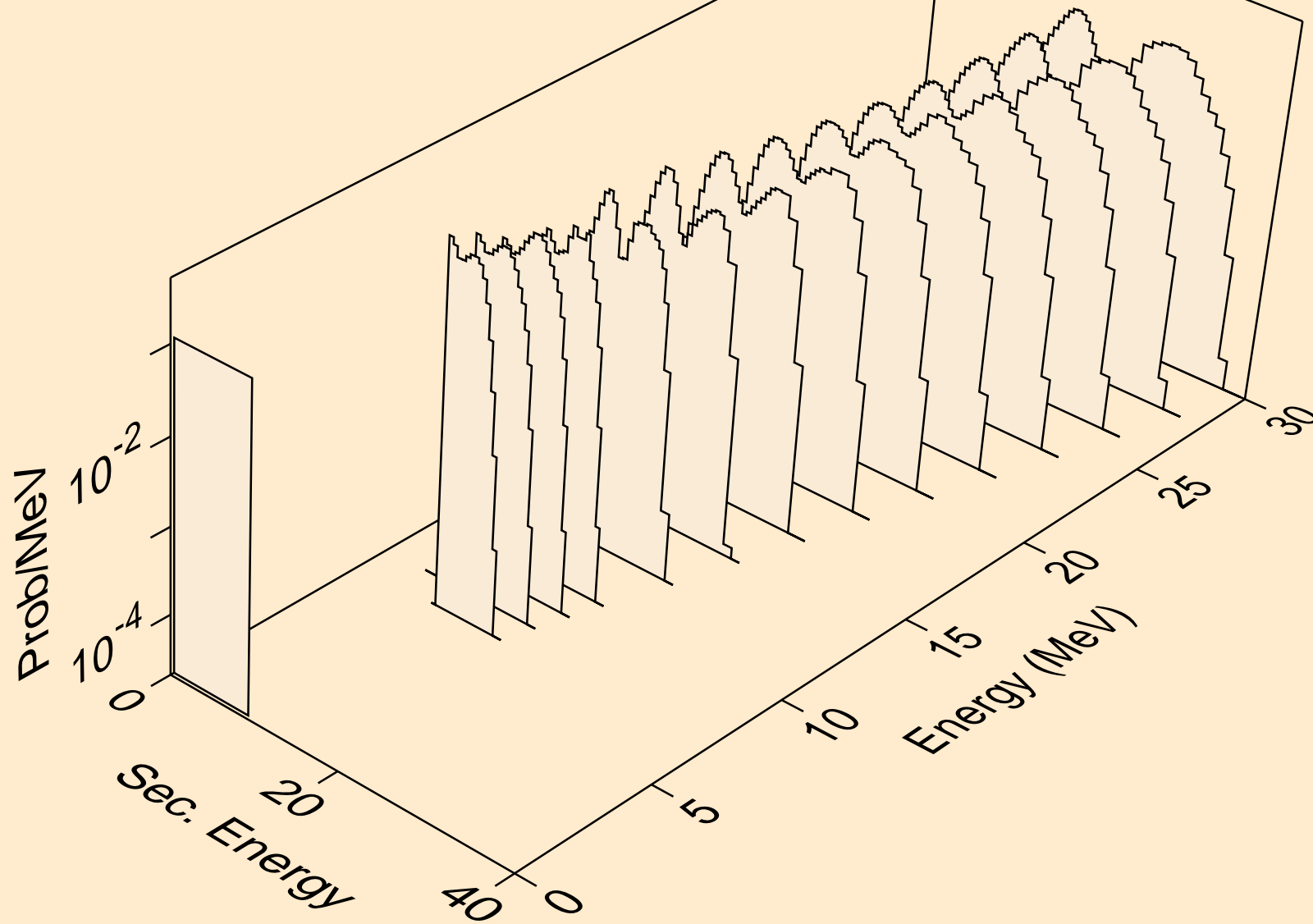
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alphas from (s,2a)



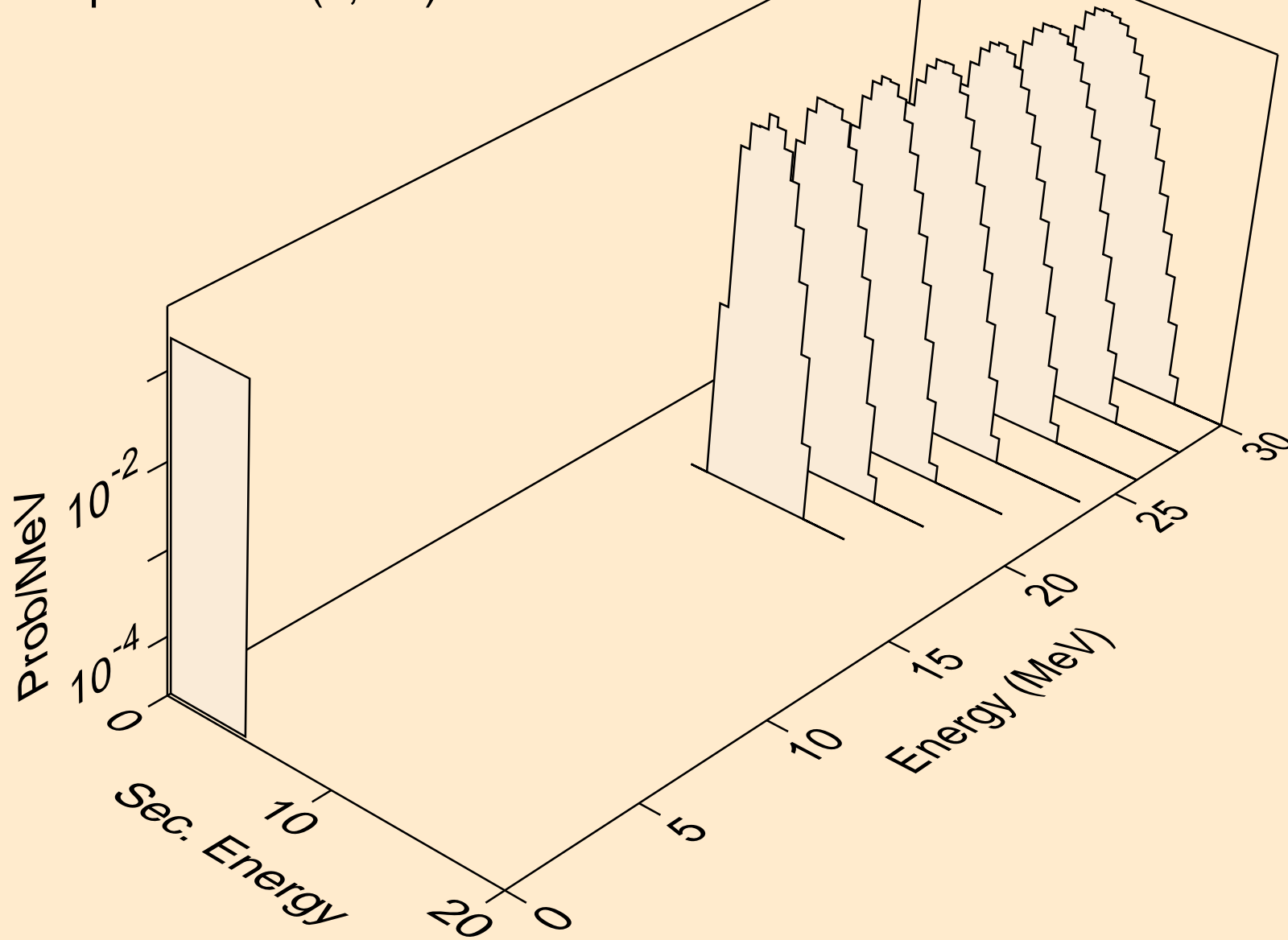
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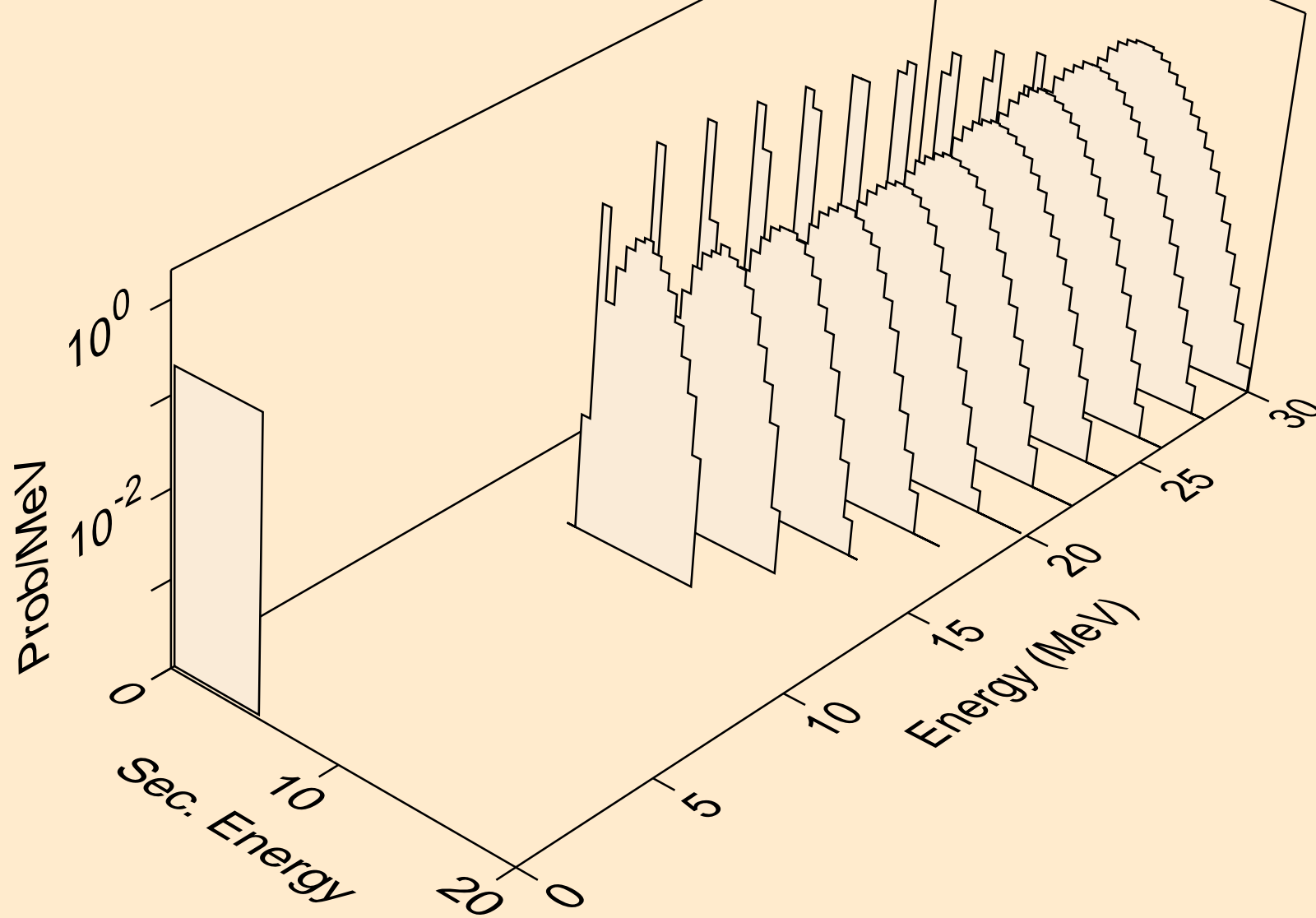
TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,pa)



TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,t2a)



TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,d2a)



TM154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,da)

