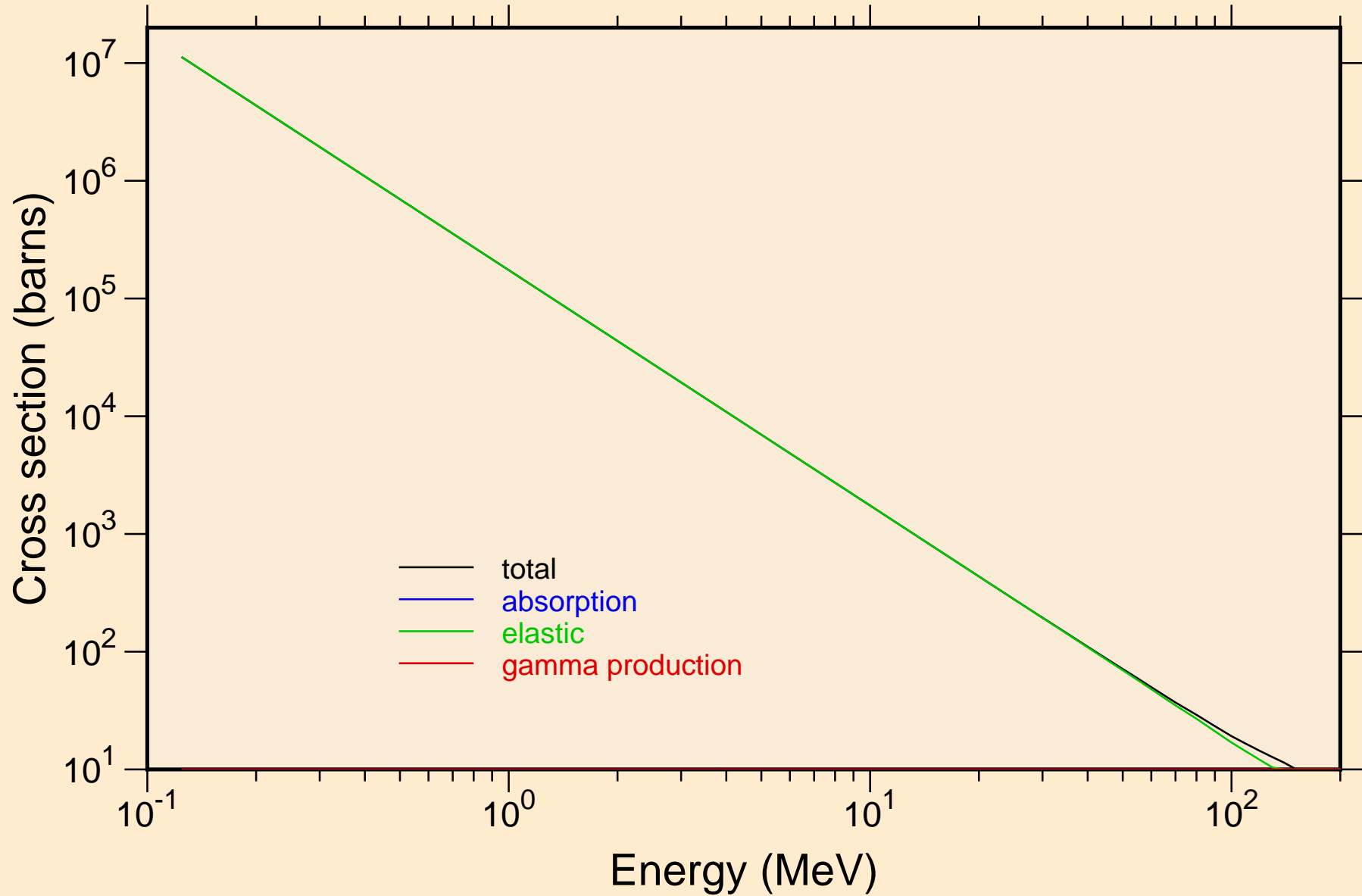
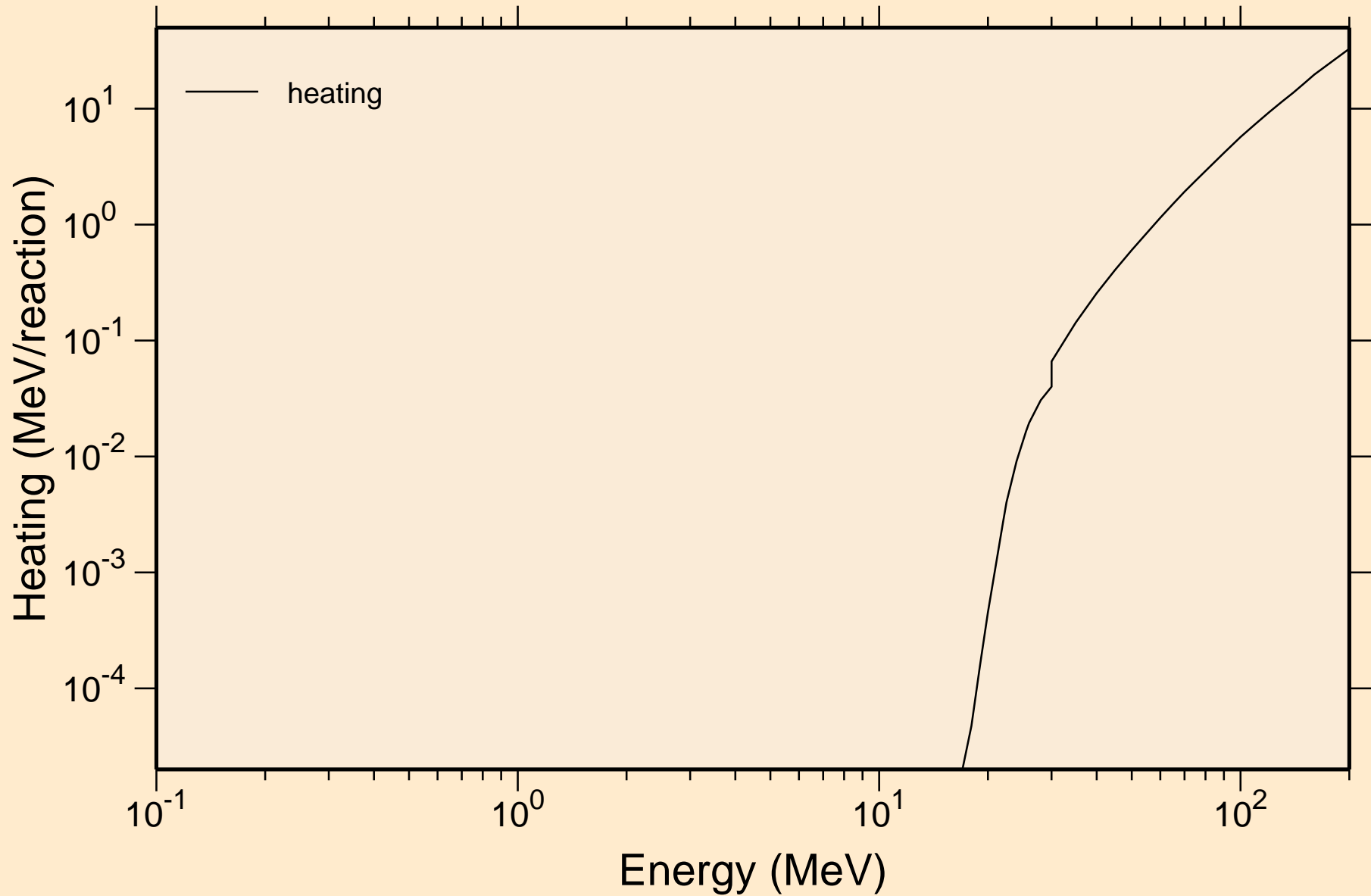


BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Principal cross sections



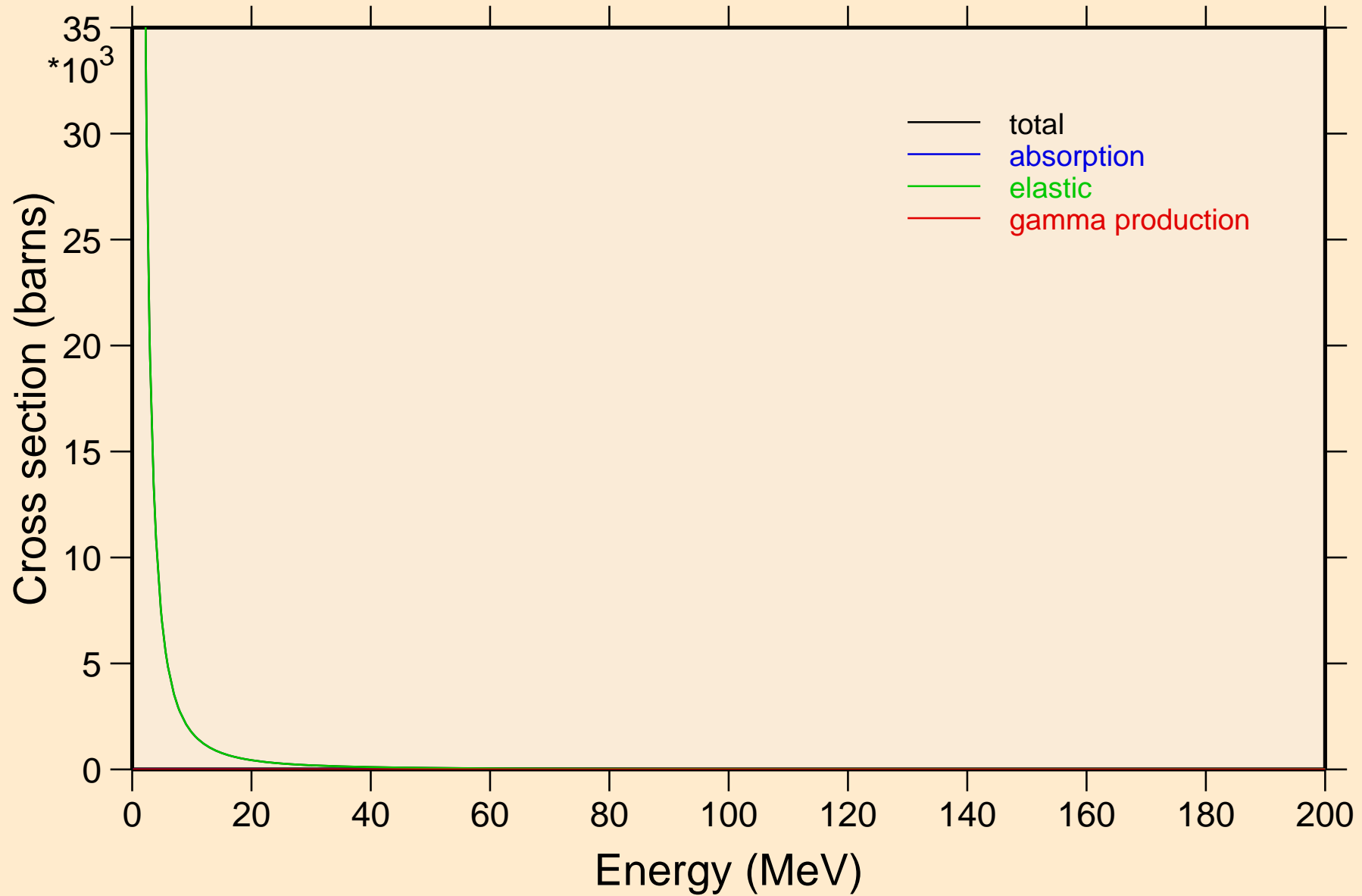
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K

Heating



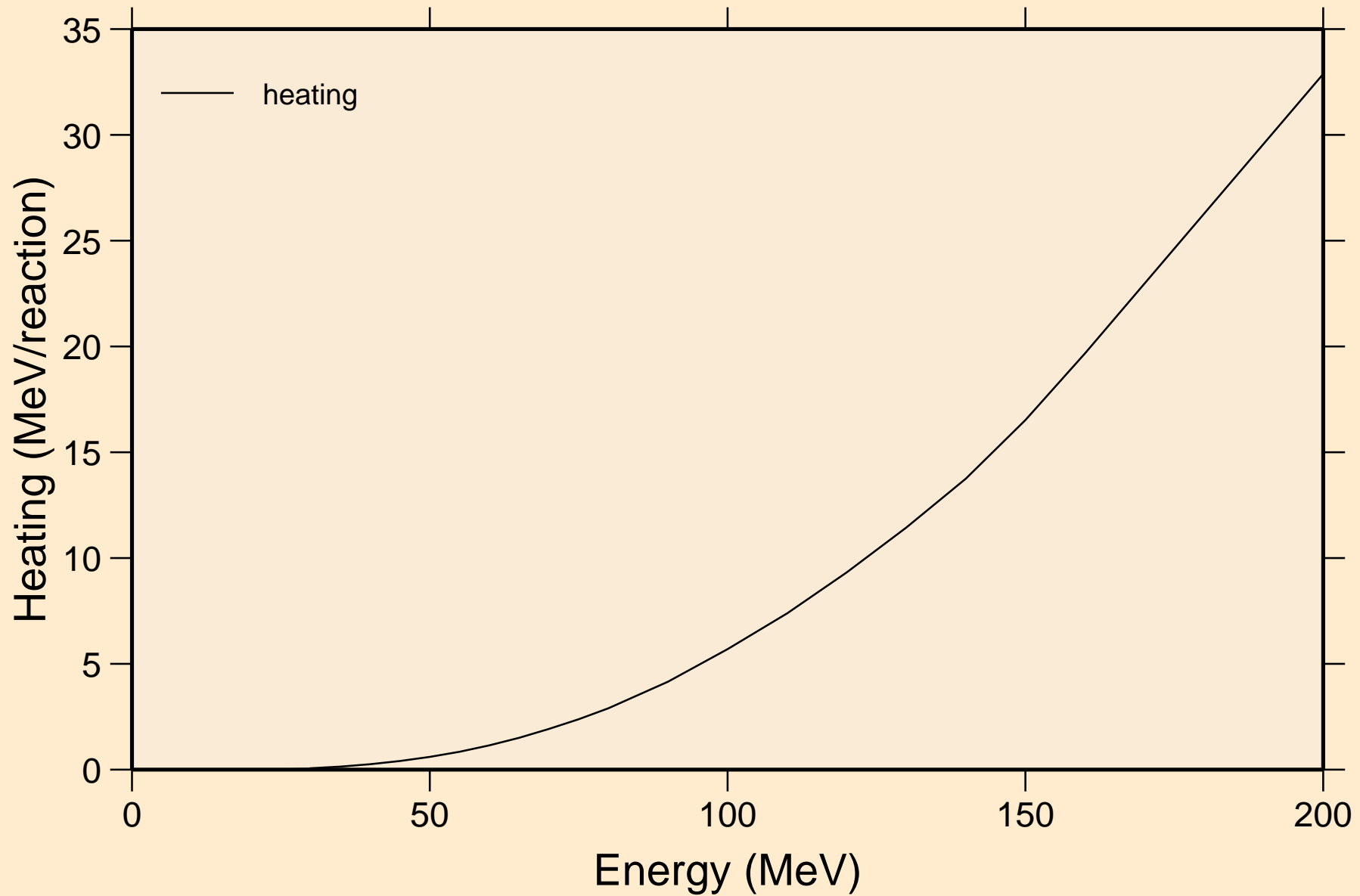
# BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections

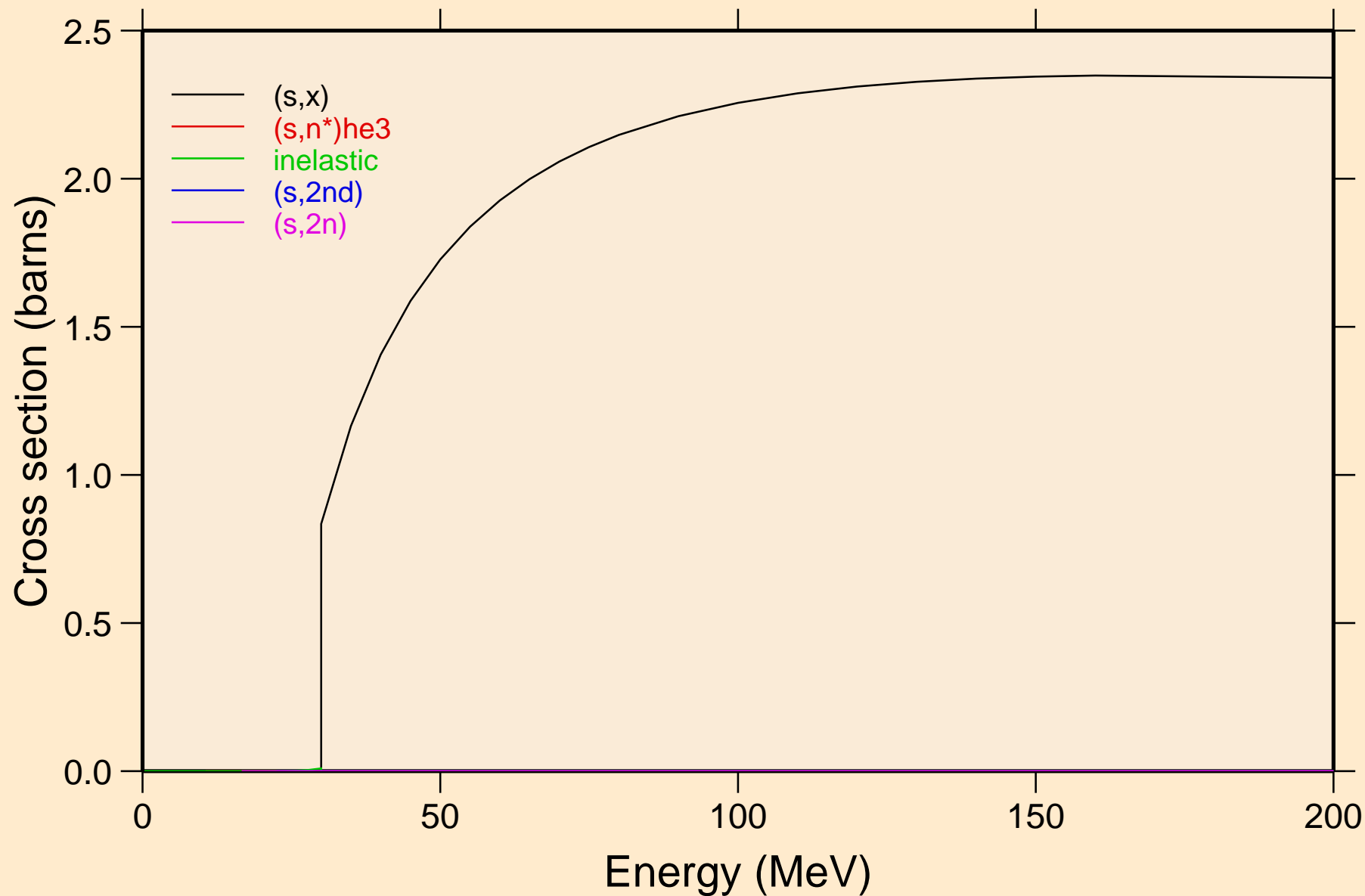


BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K

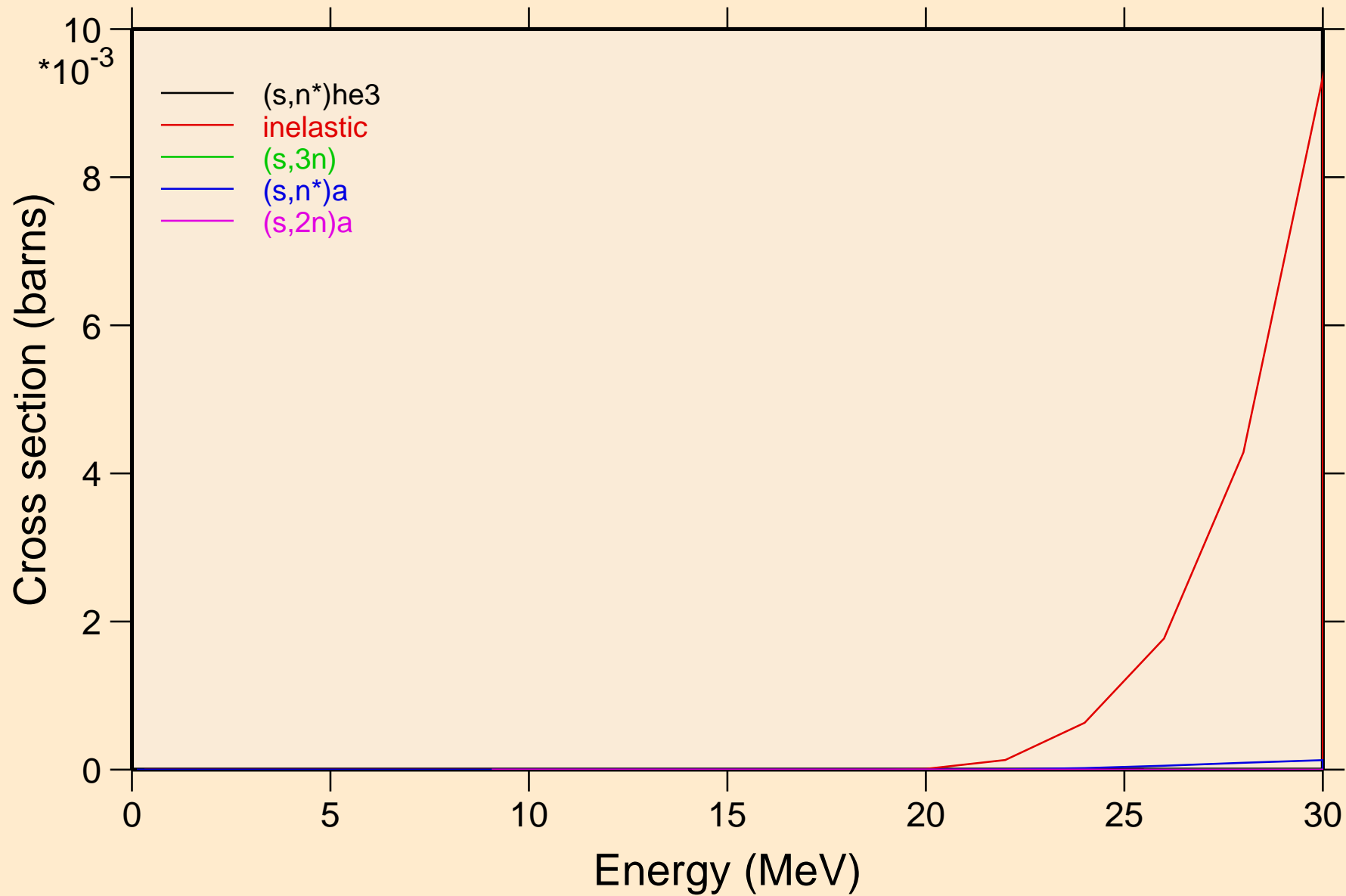
Heating



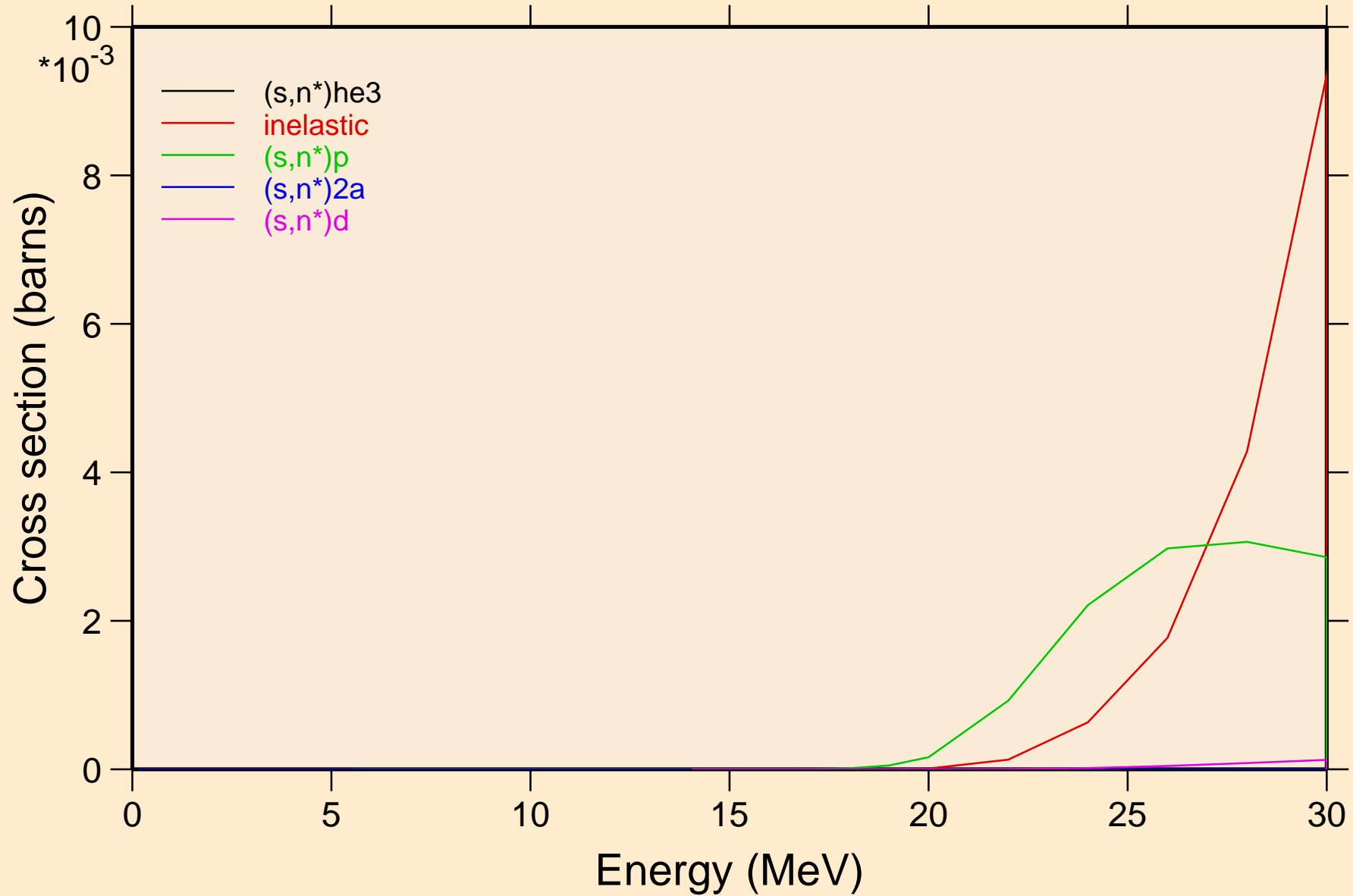
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



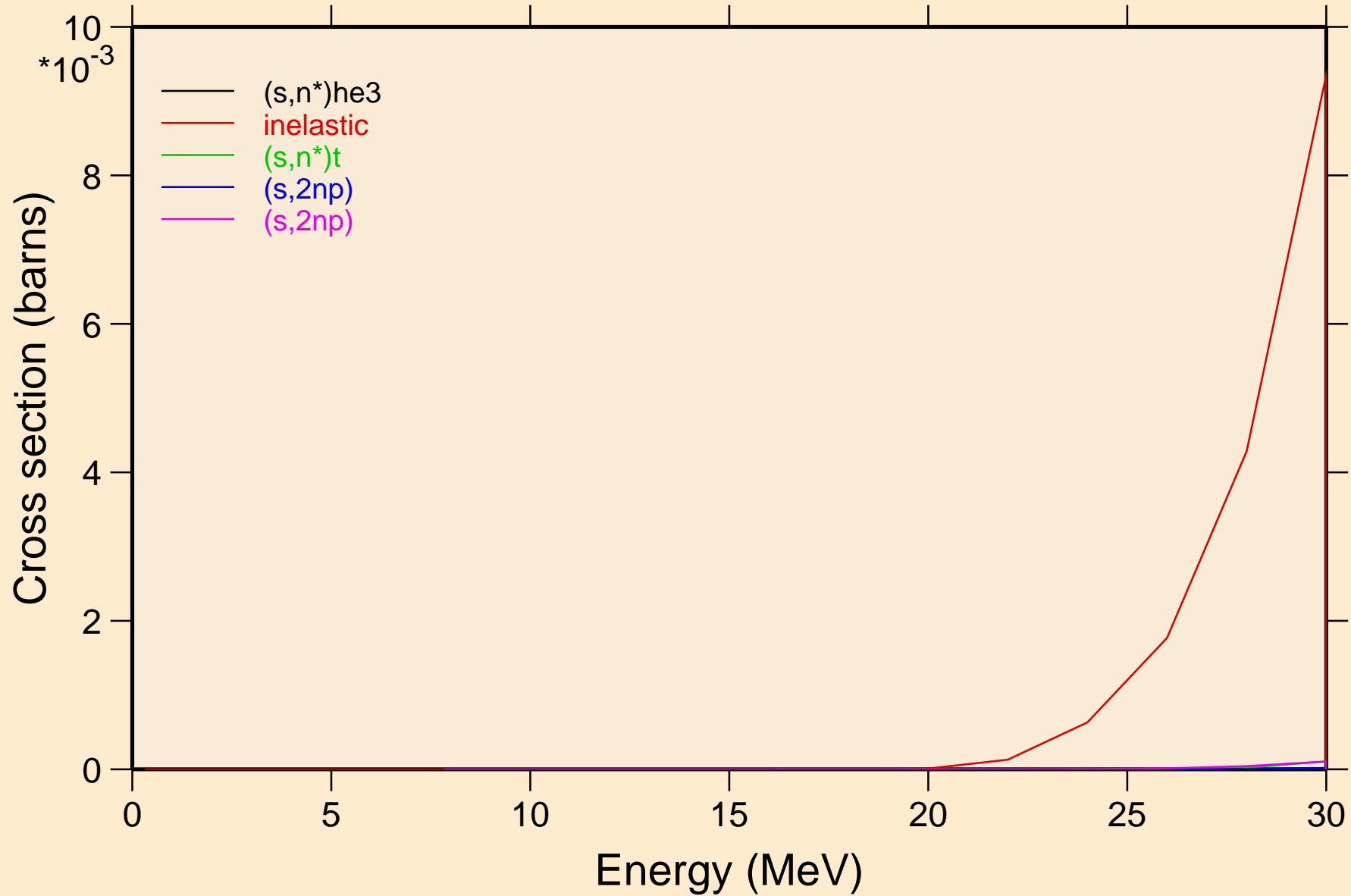
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

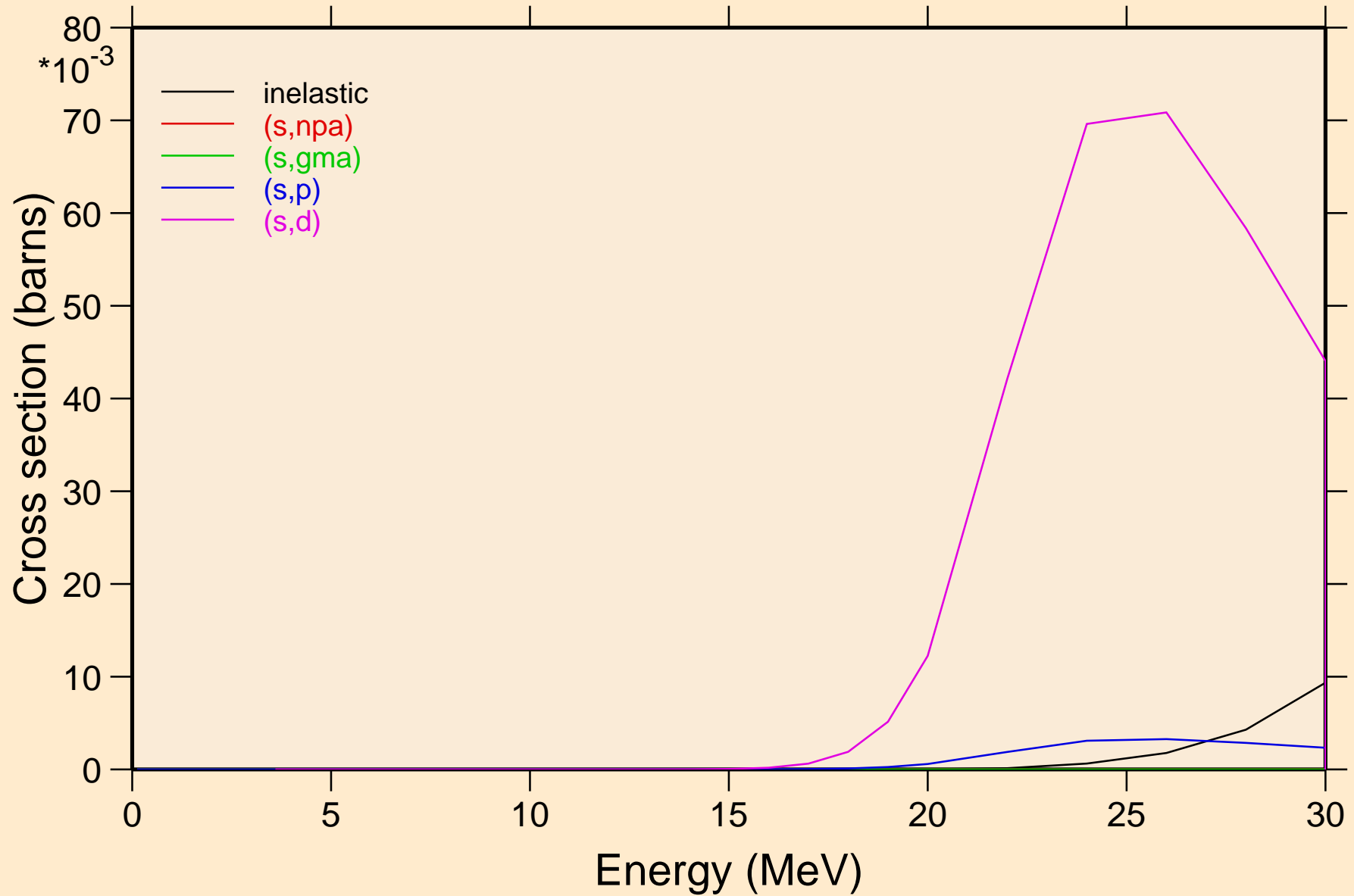


BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

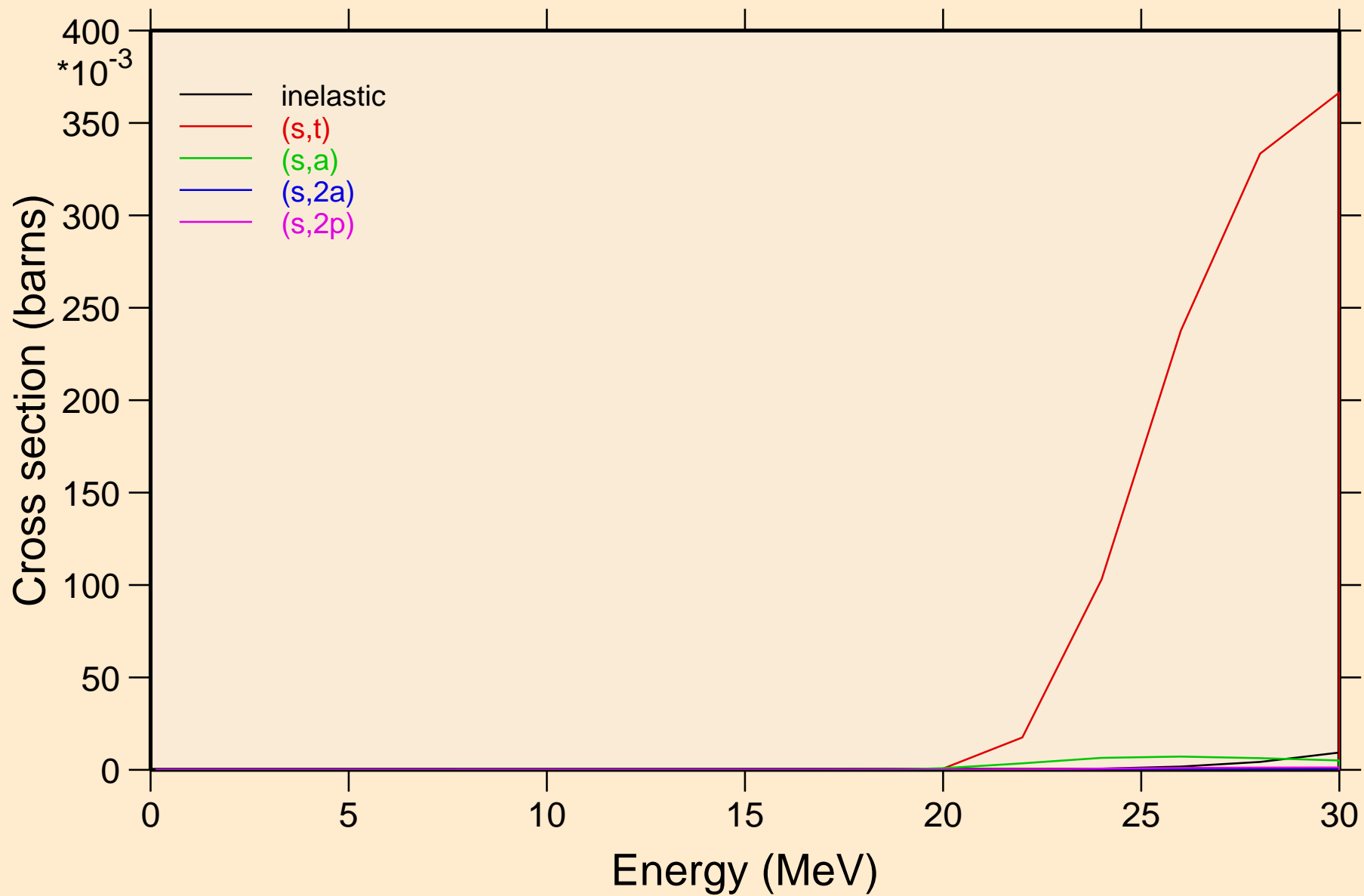




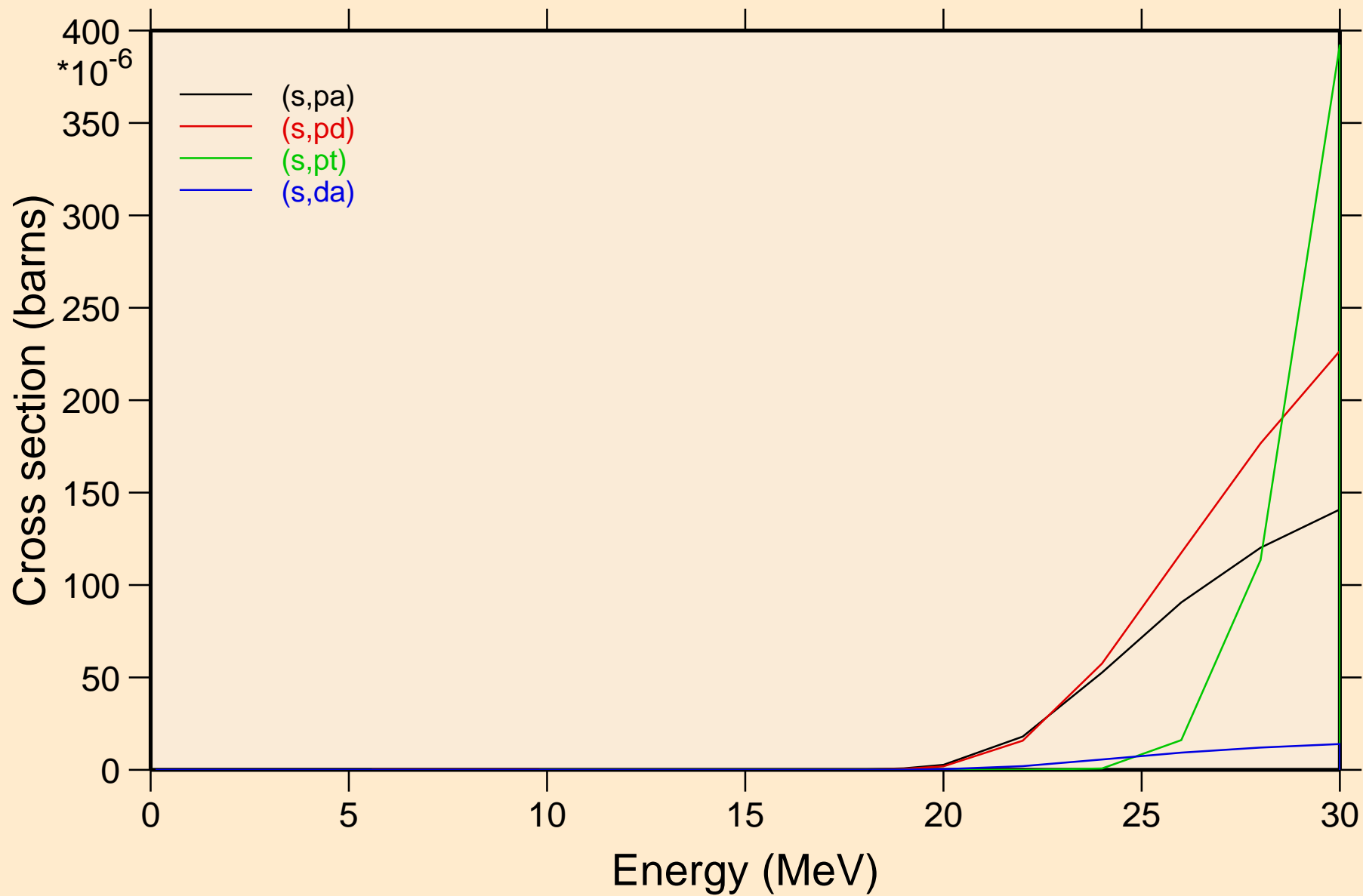
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



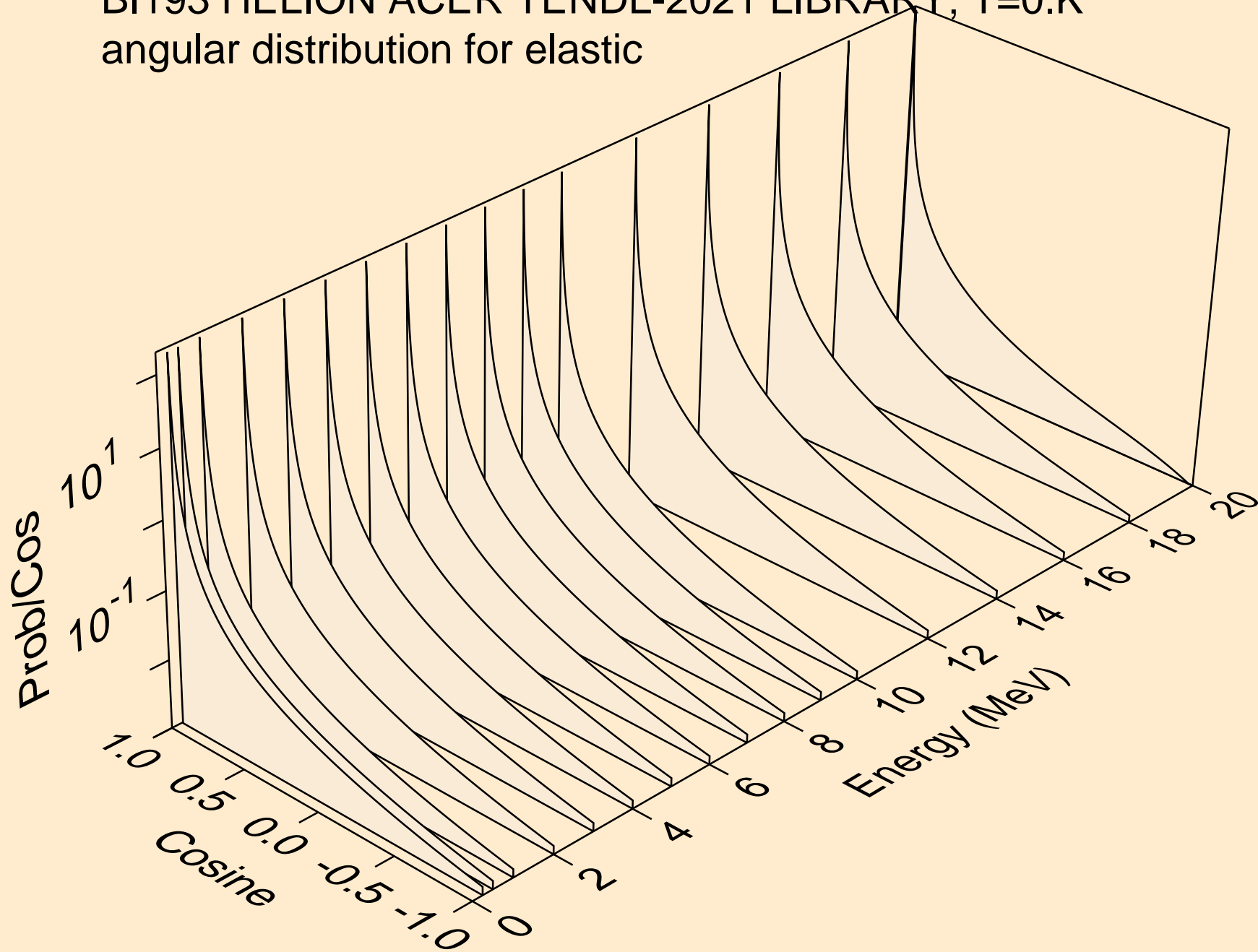
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



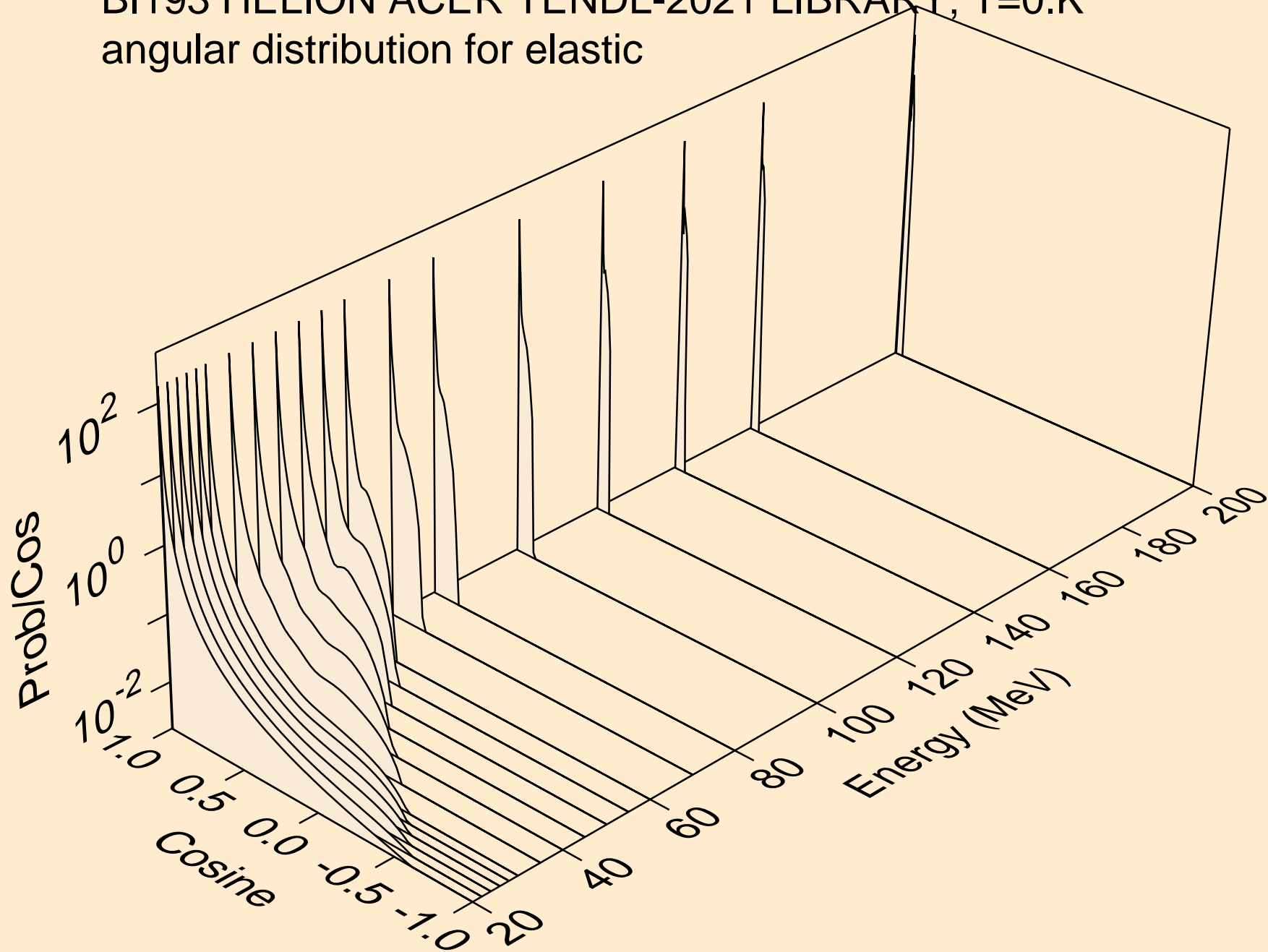
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Threshold reactions



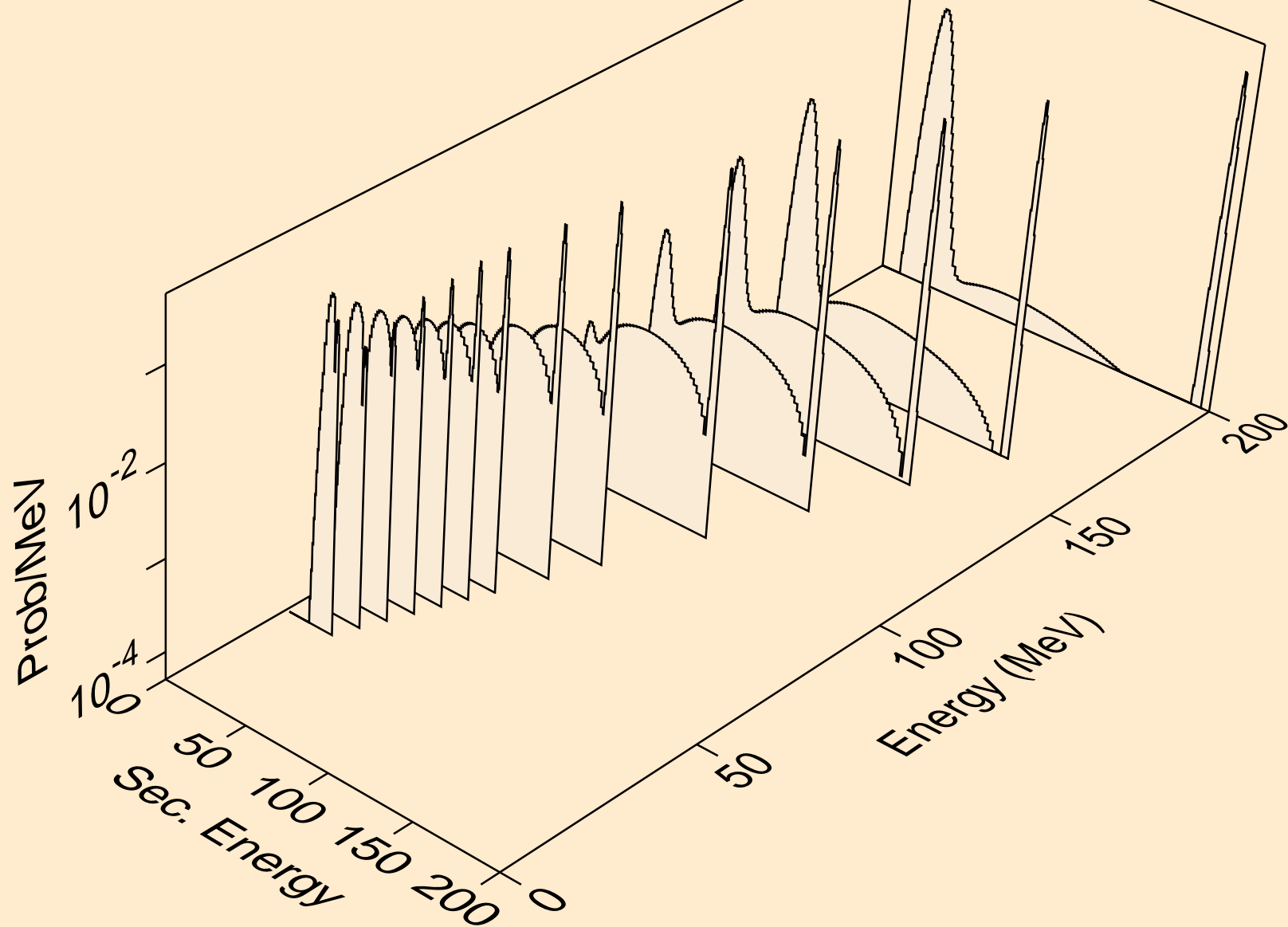
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



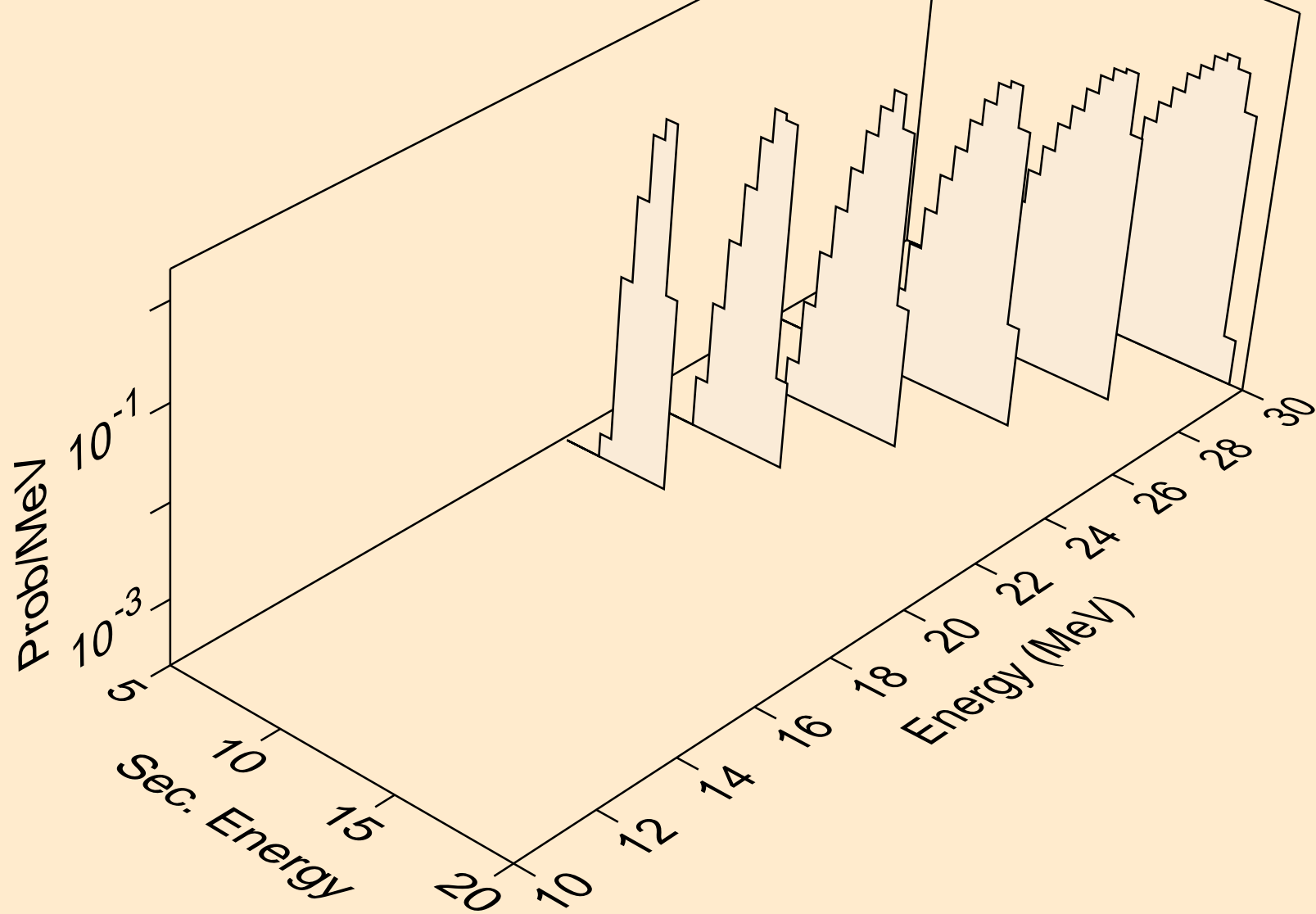
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



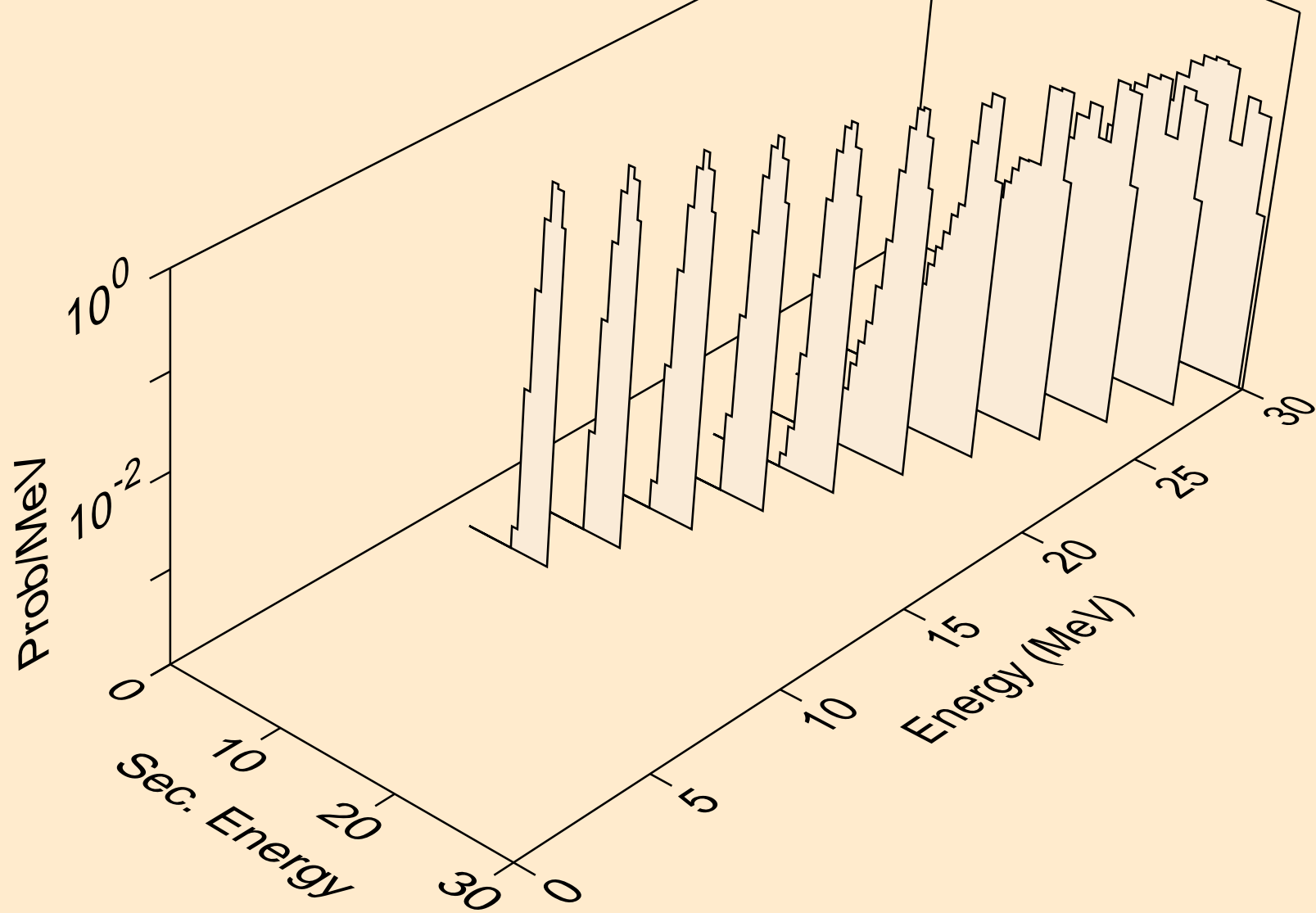
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,x)



BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

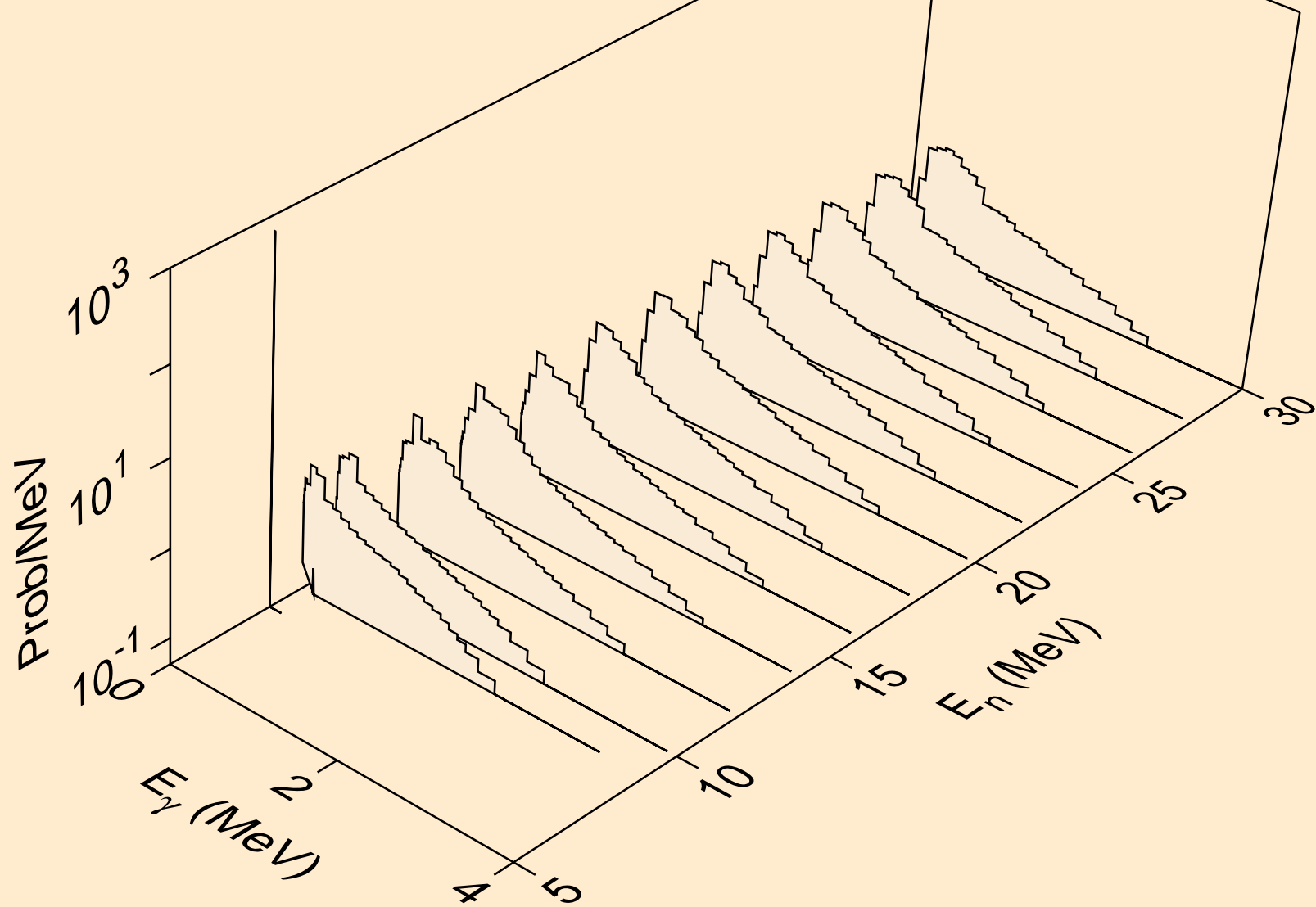


BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for inelastic

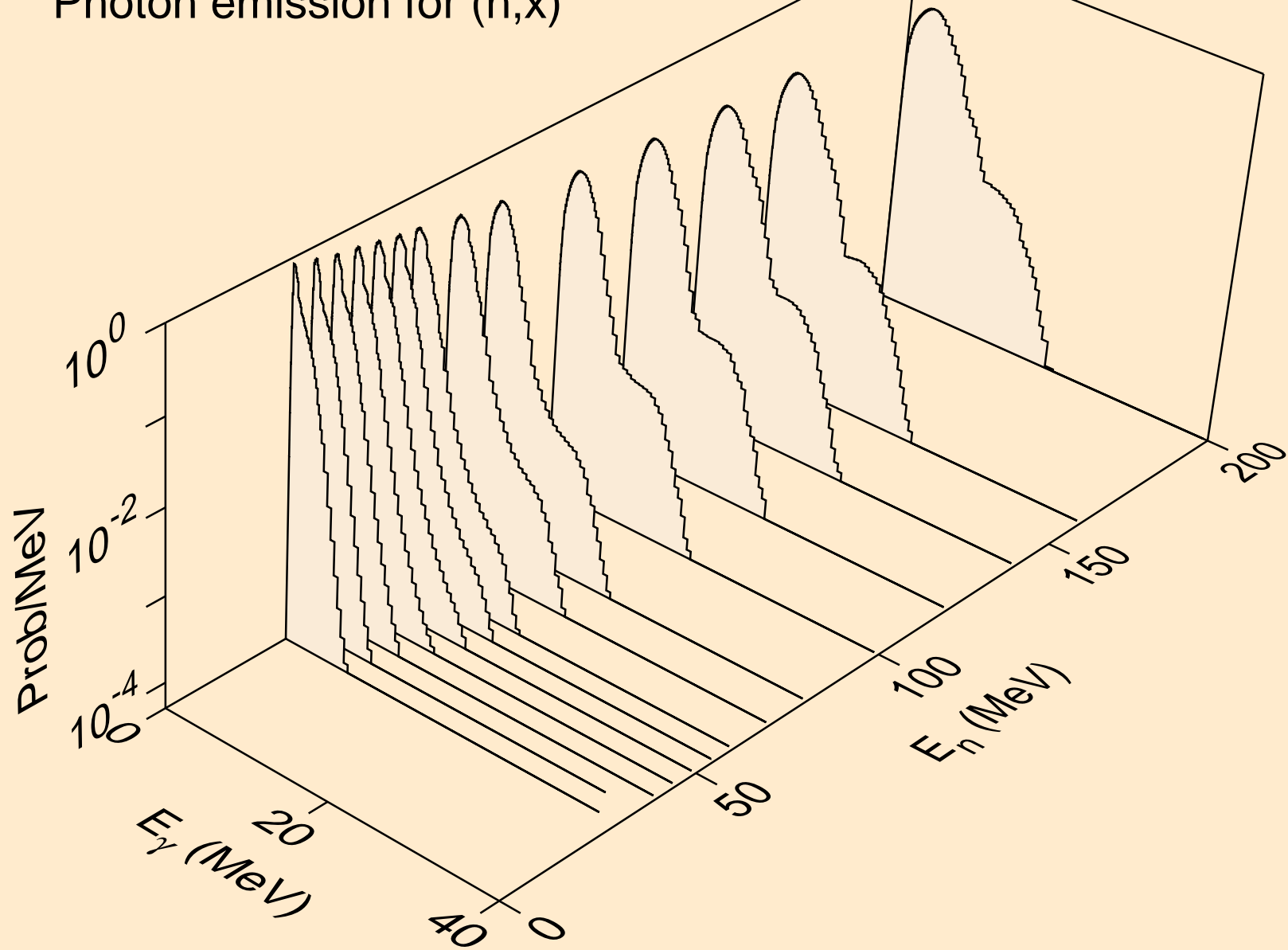




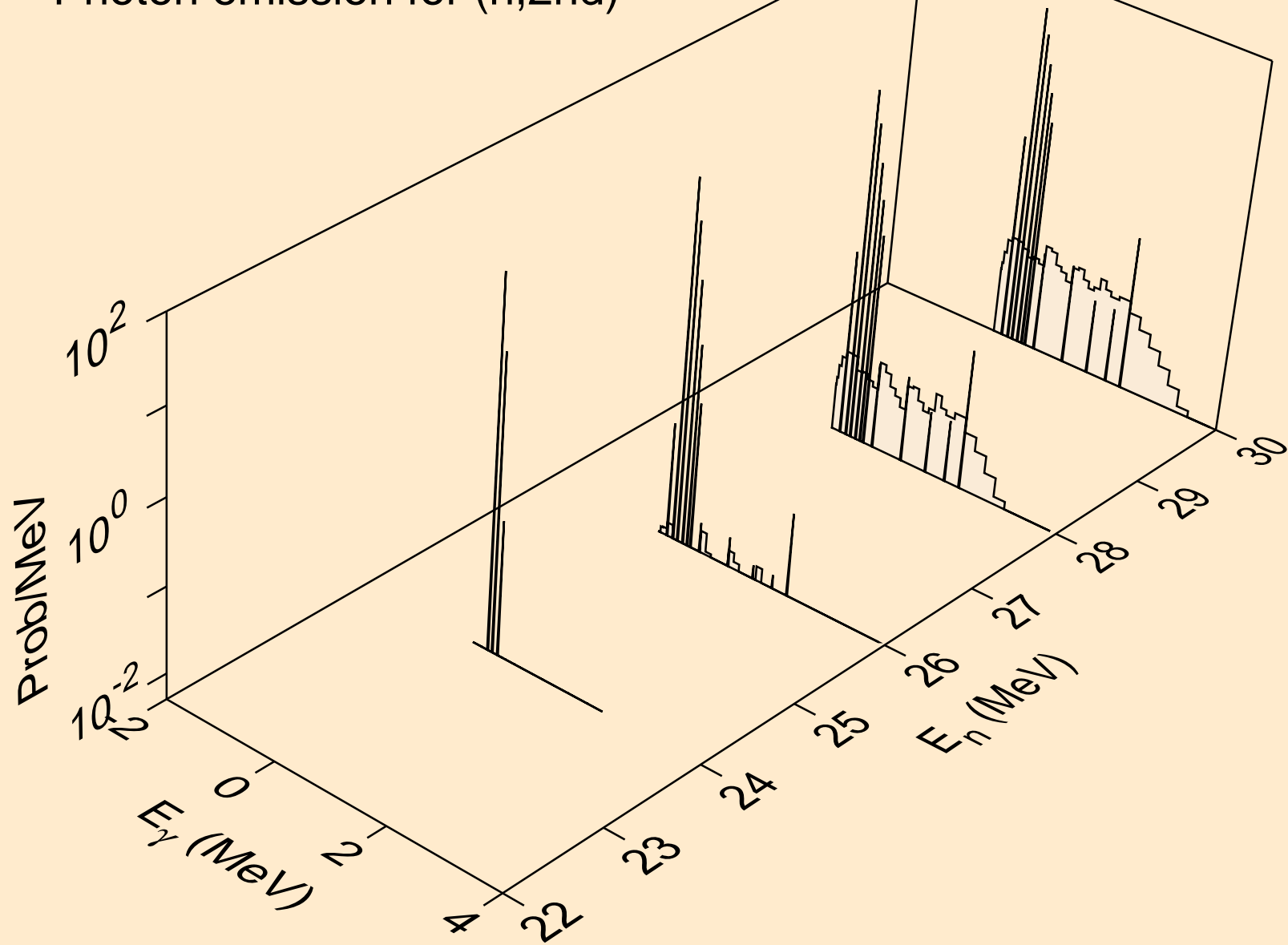
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)



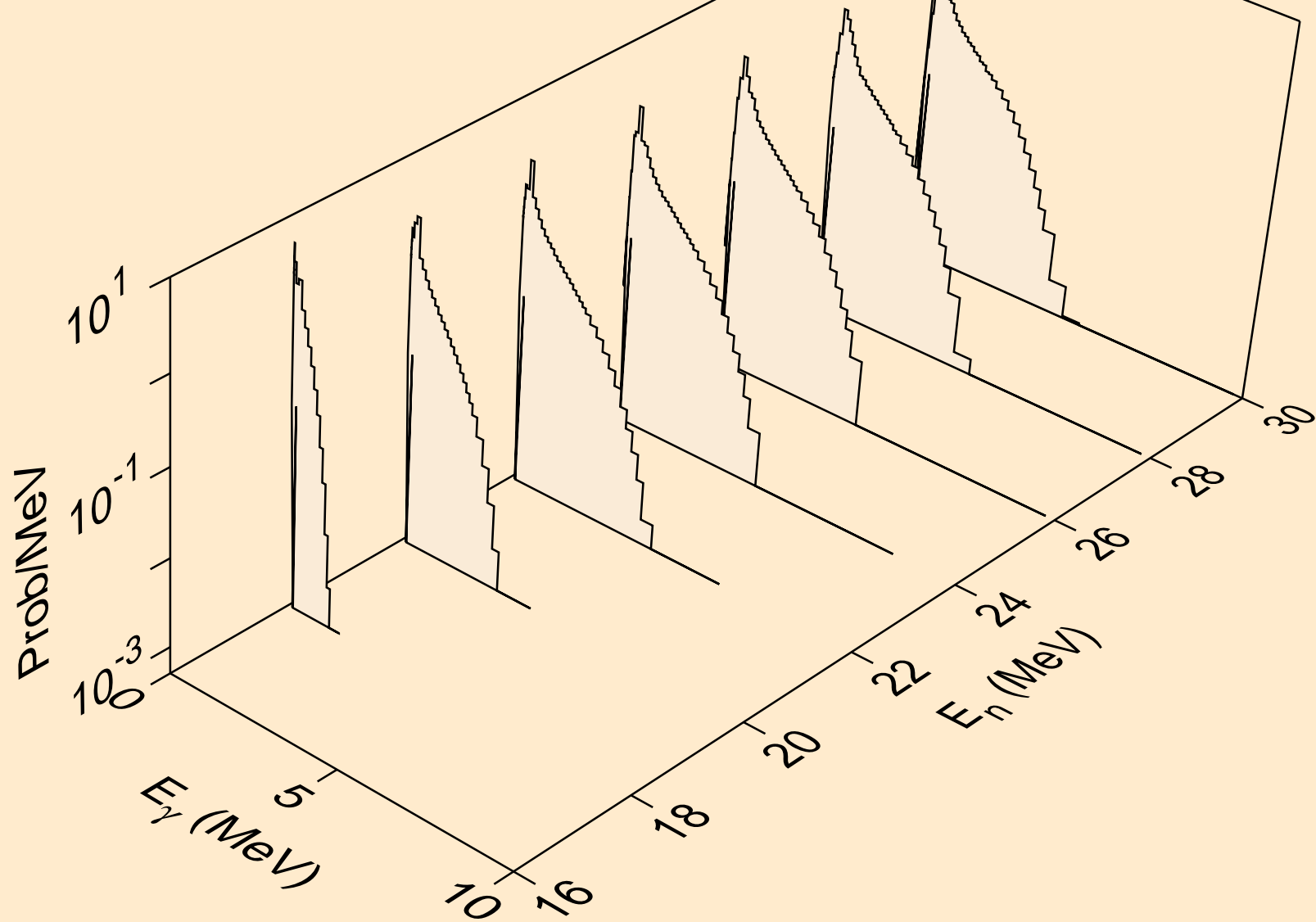
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



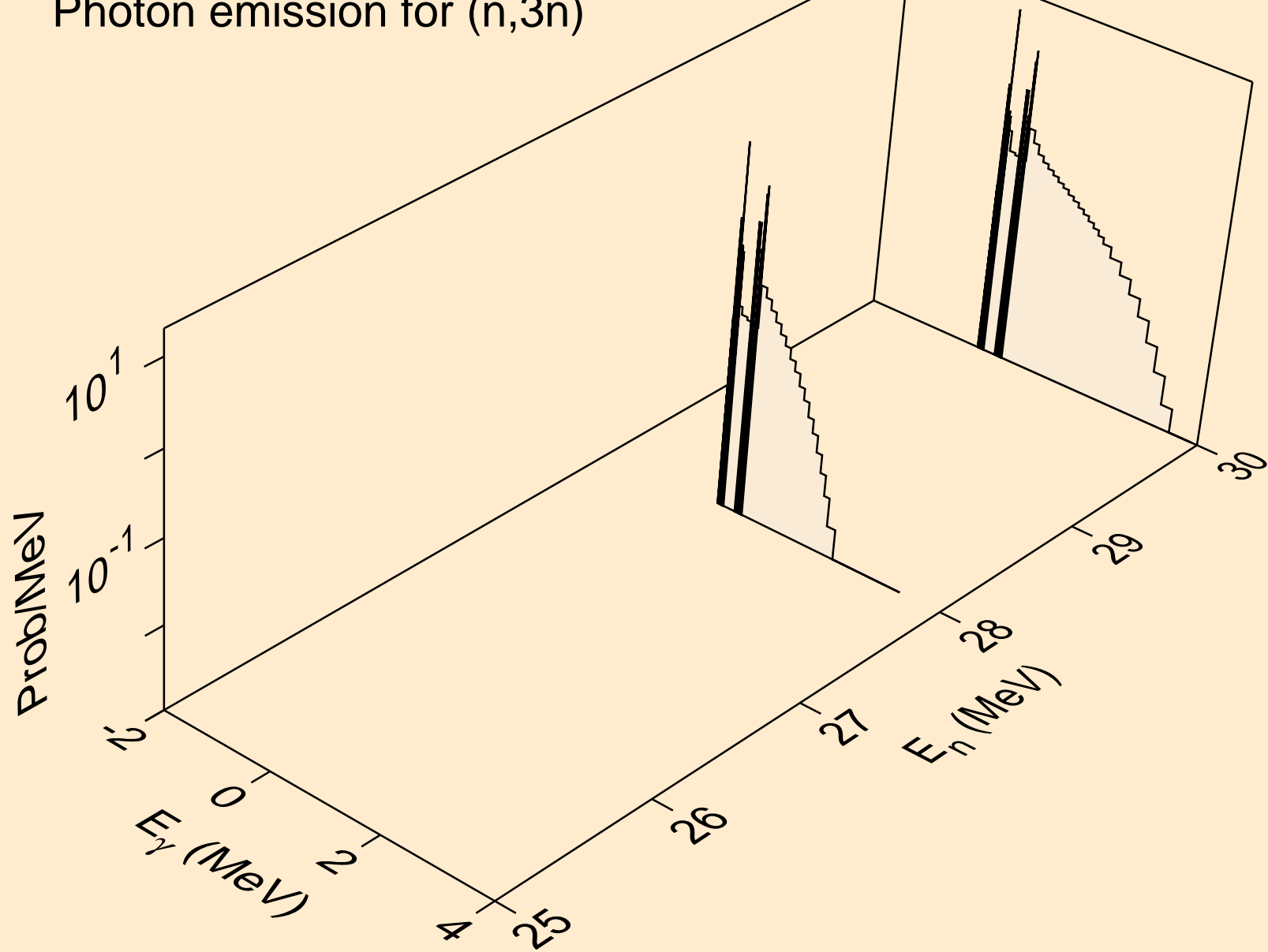
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2nd)



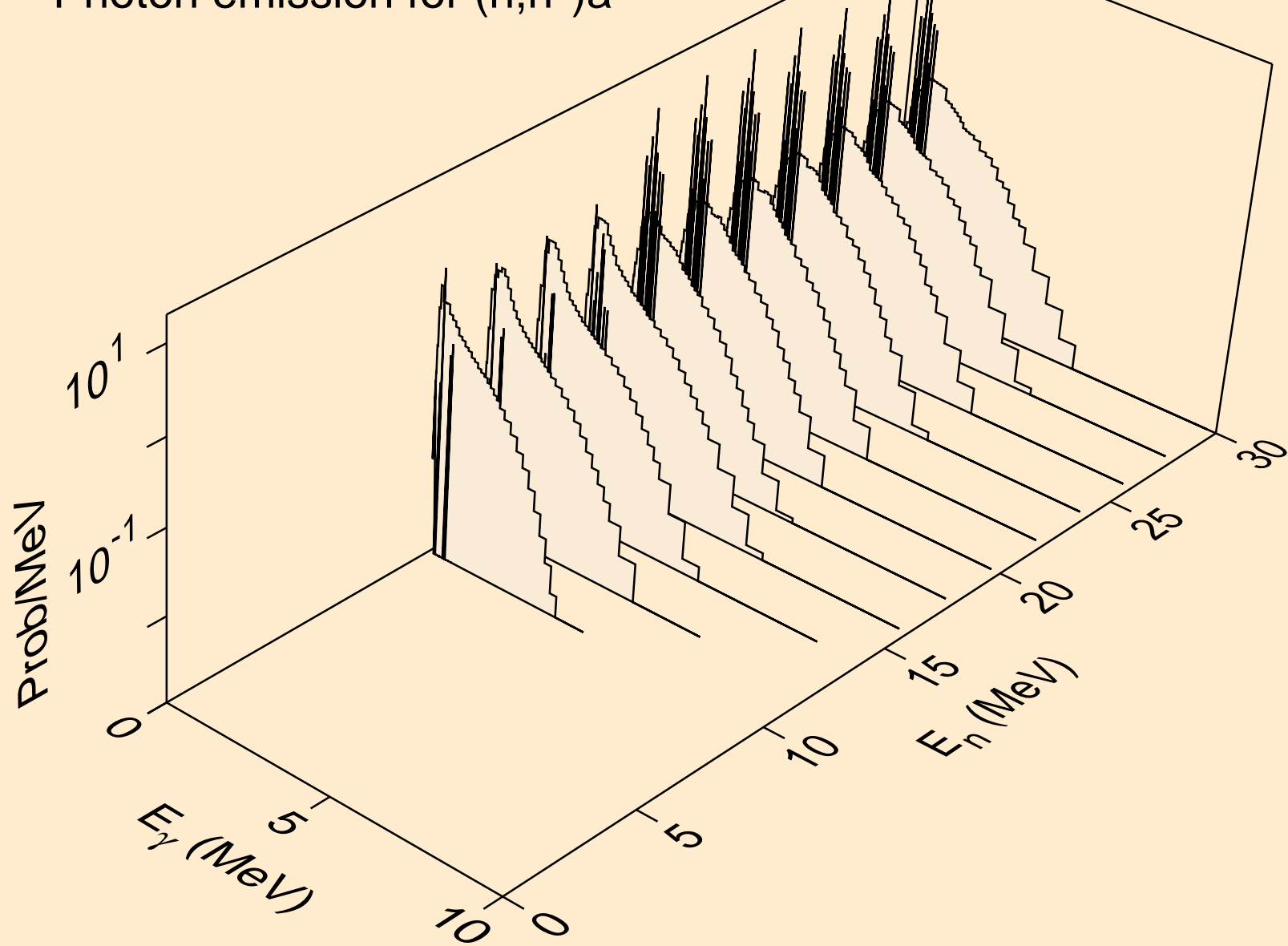
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)



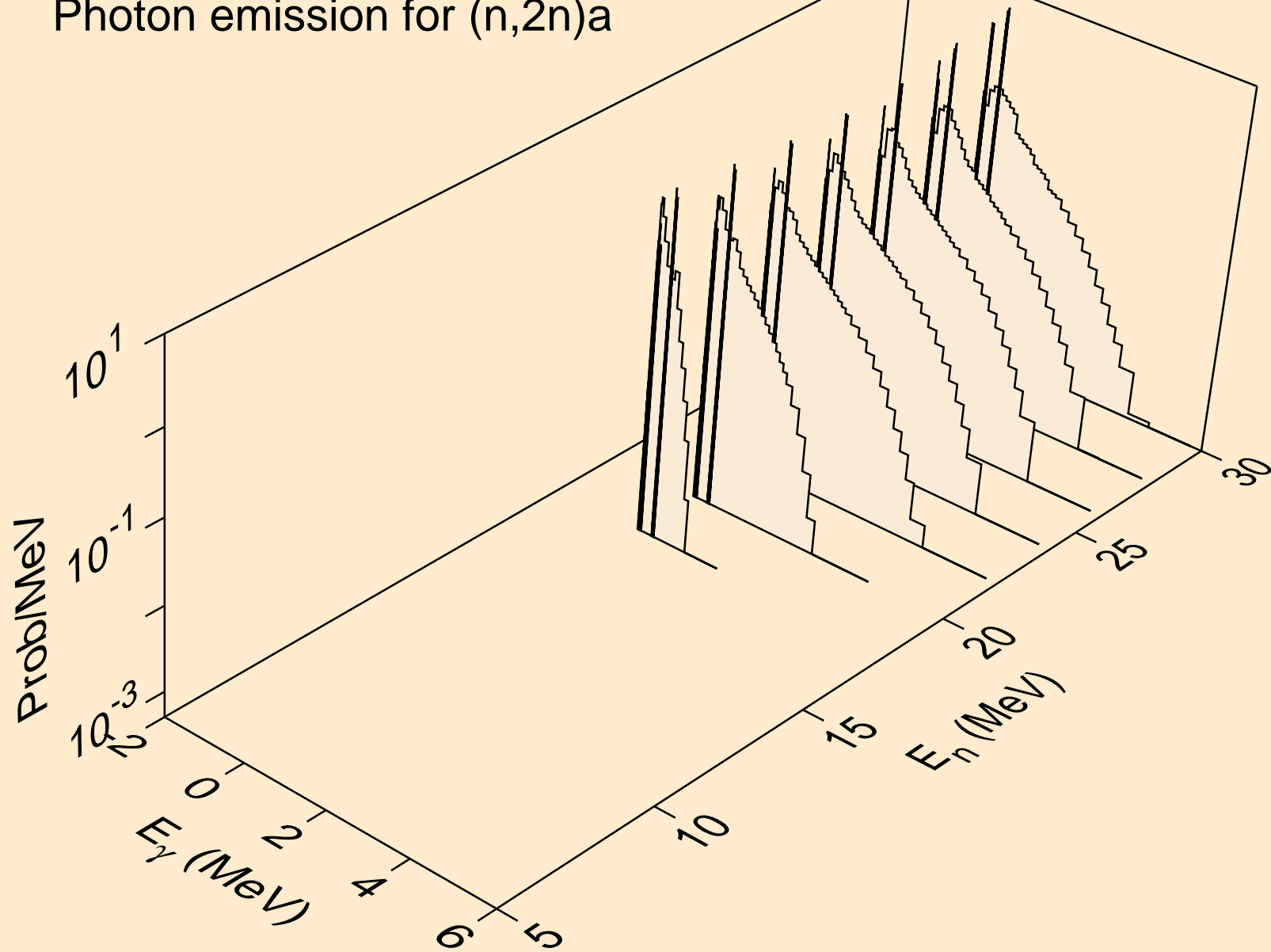
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)



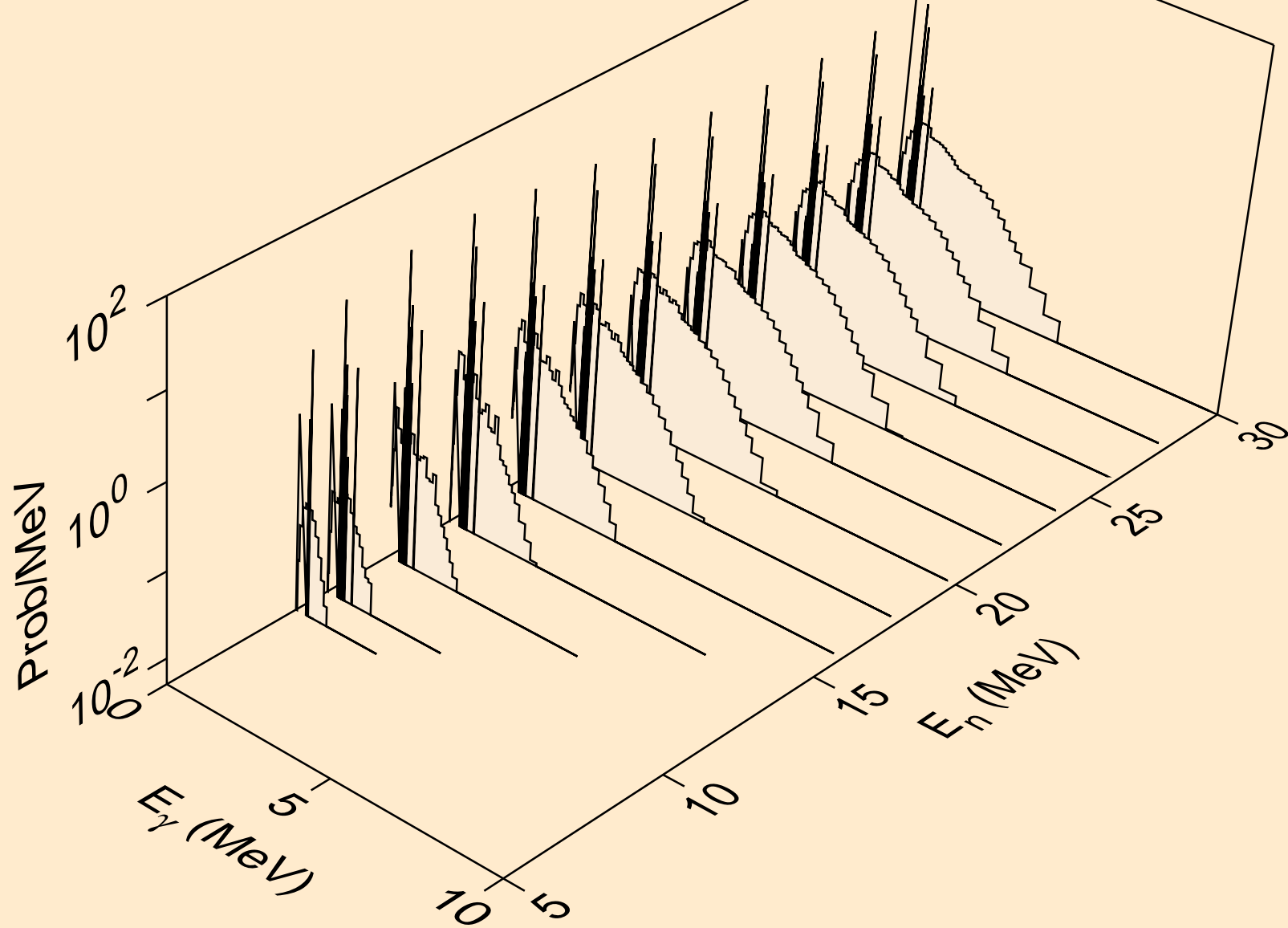
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)a

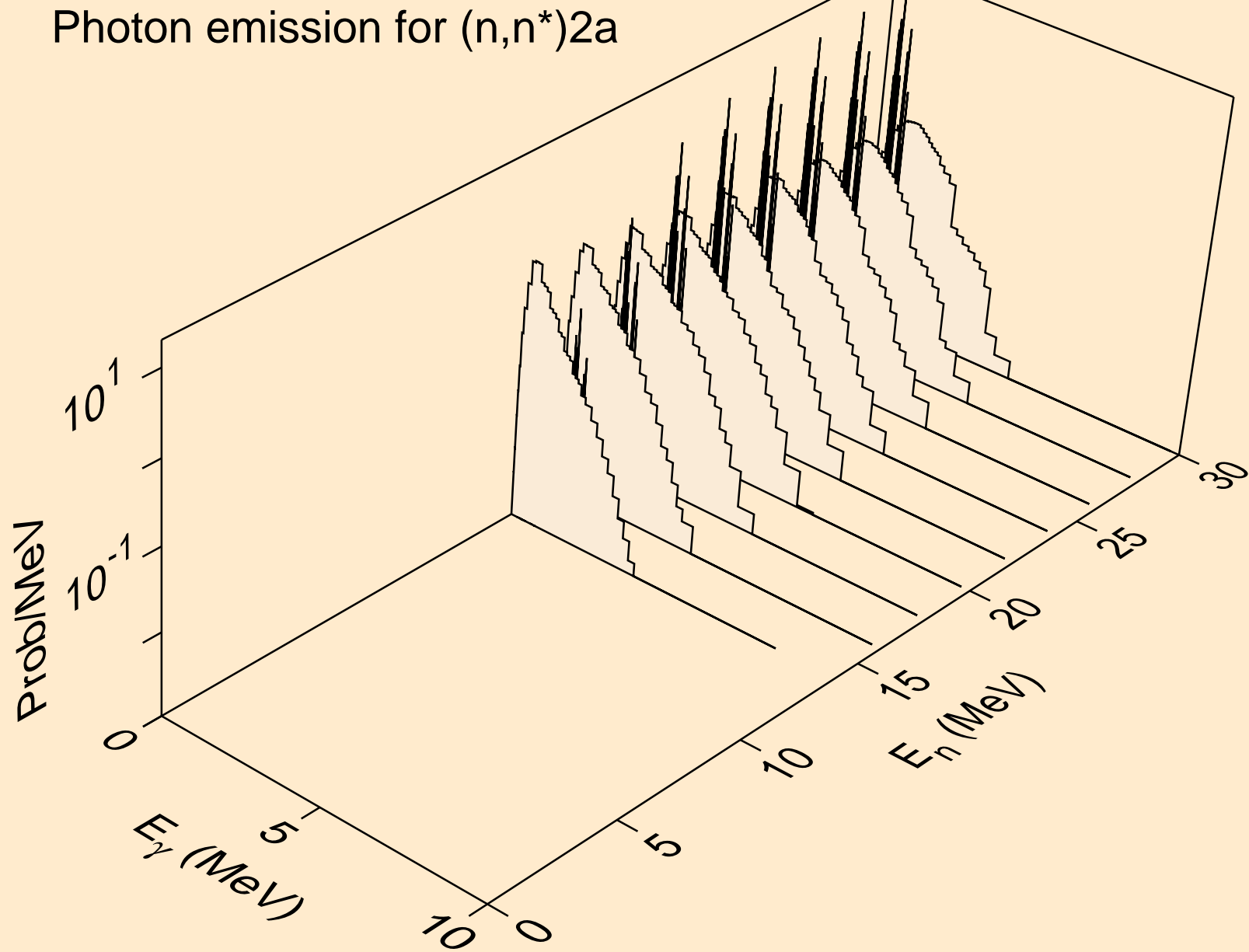


BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

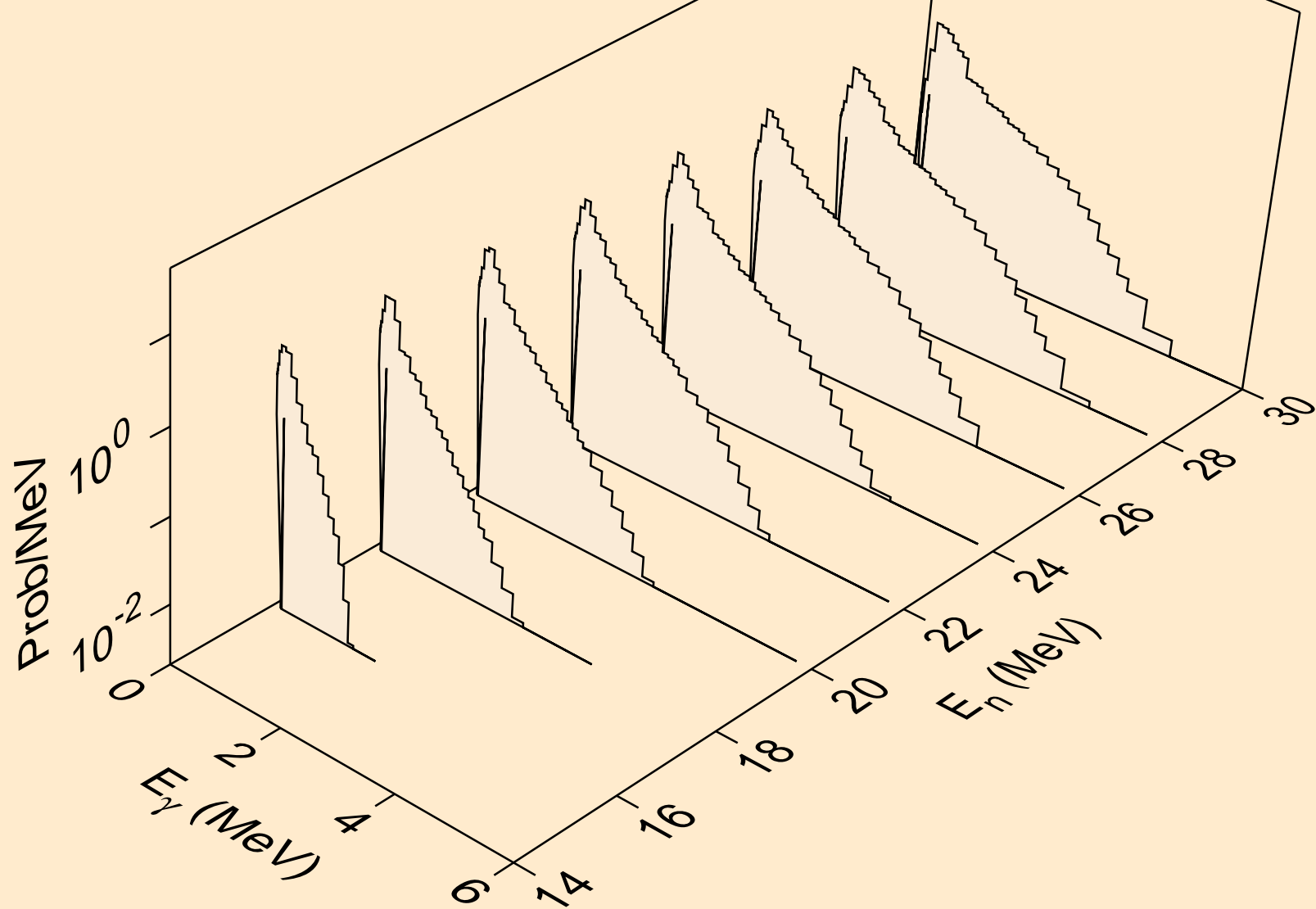




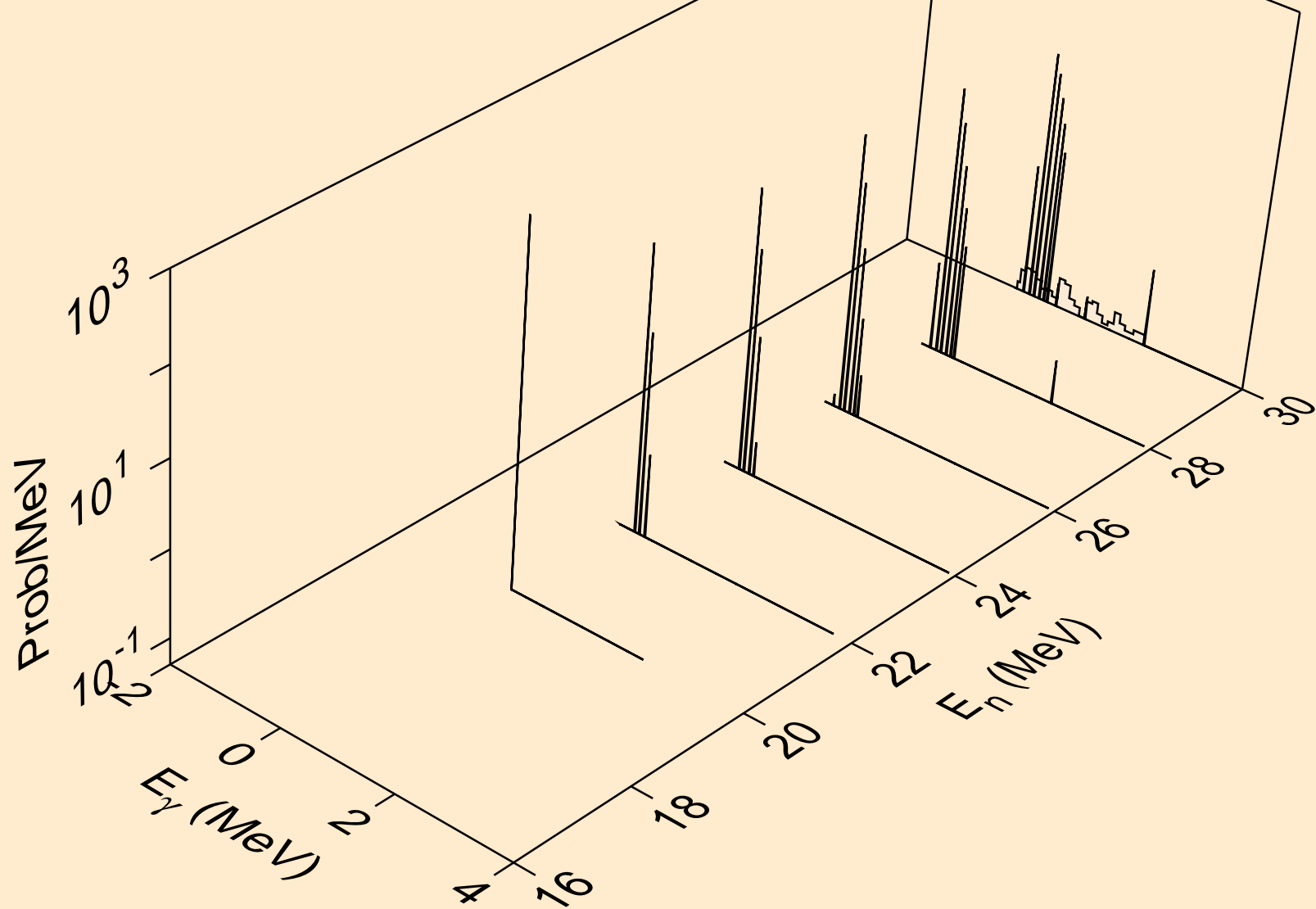
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



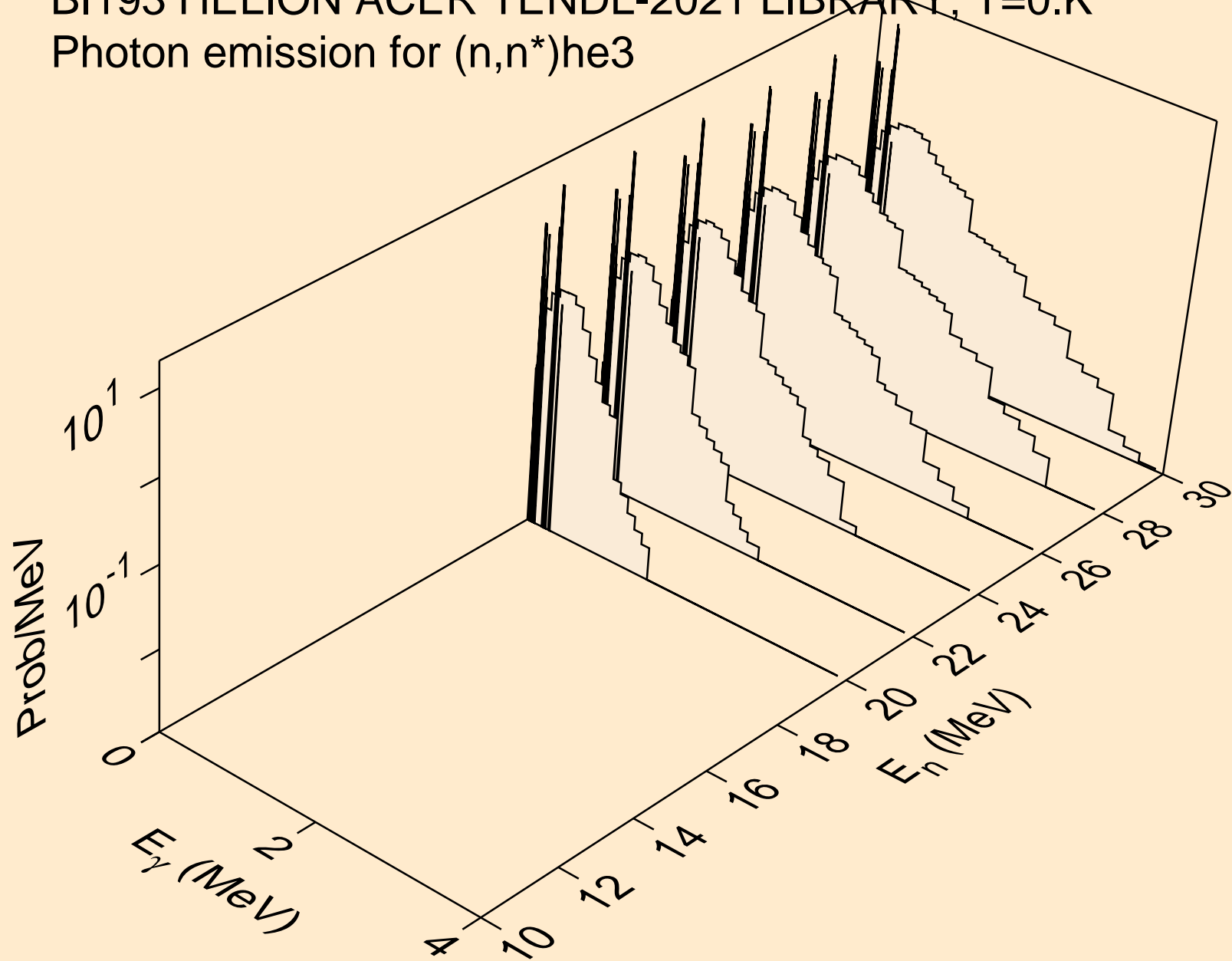
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



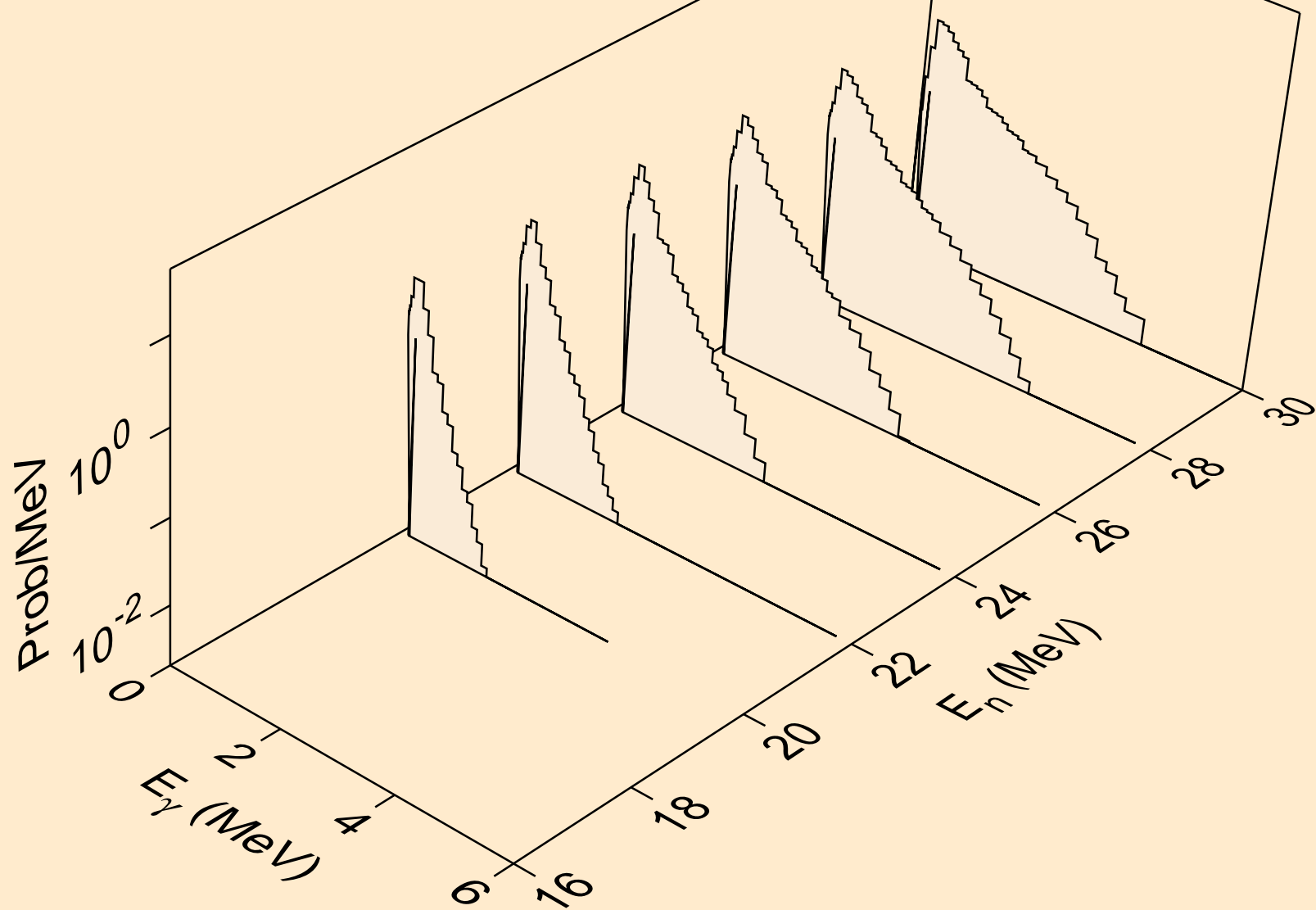
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



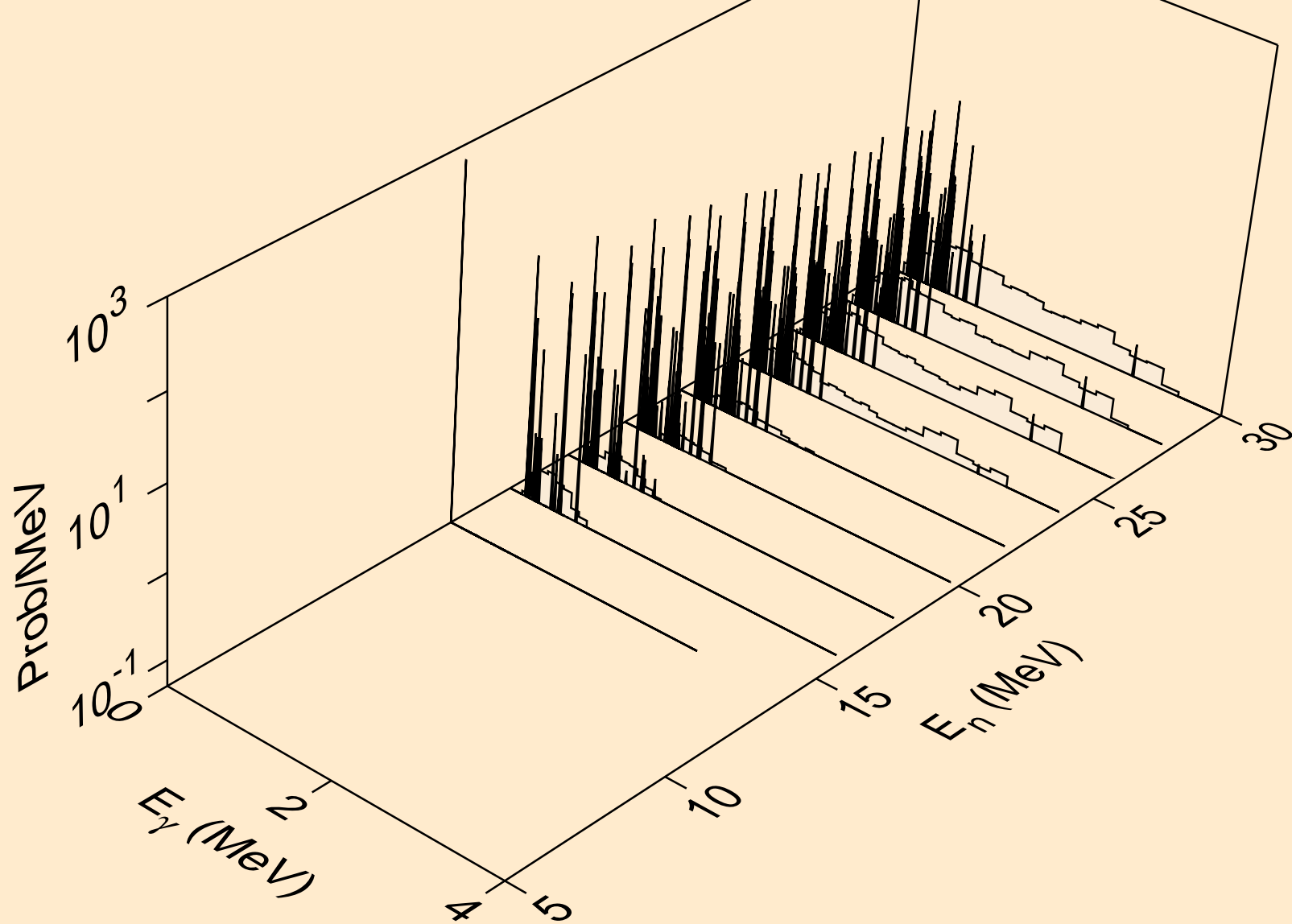
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



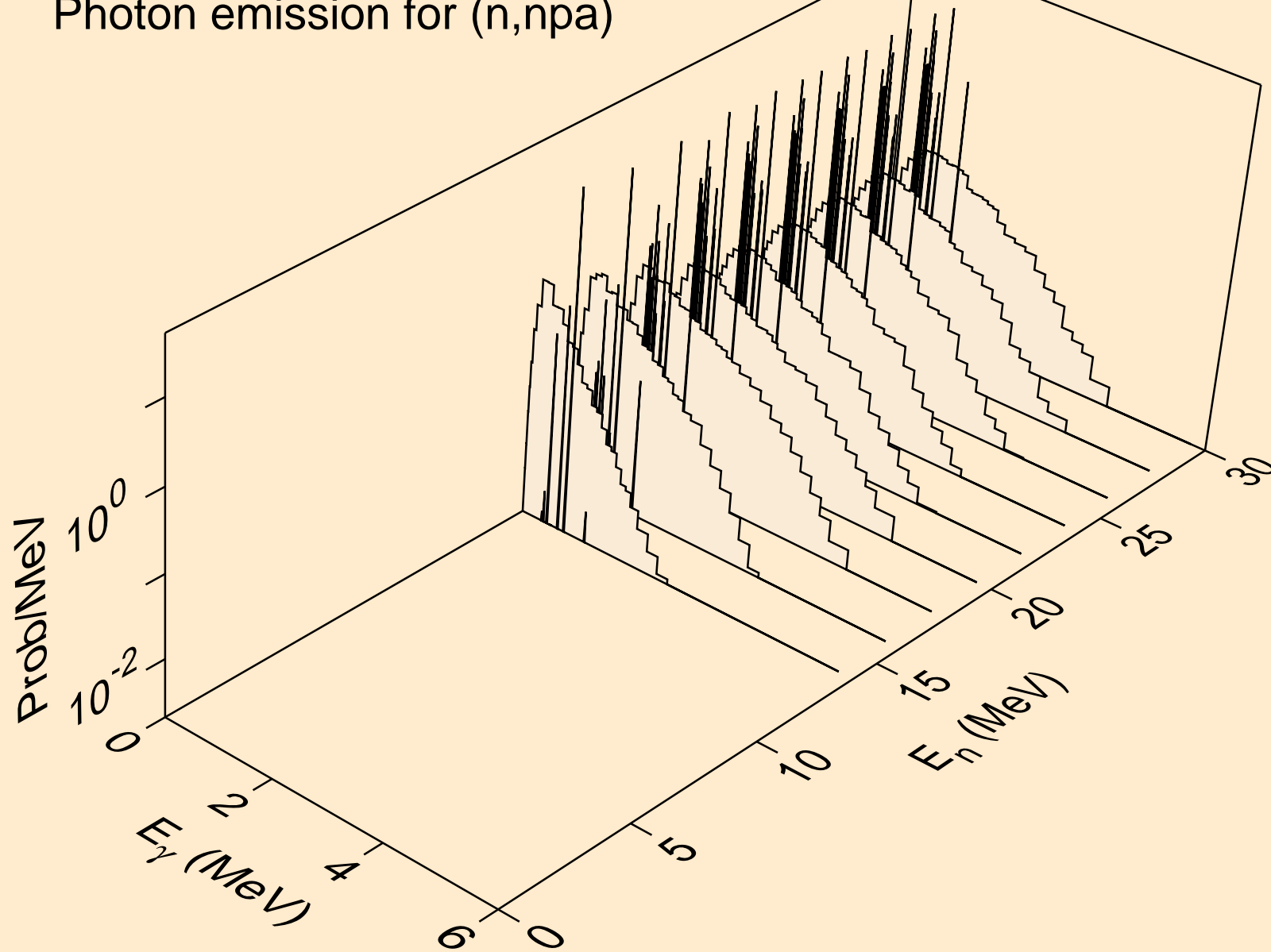
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



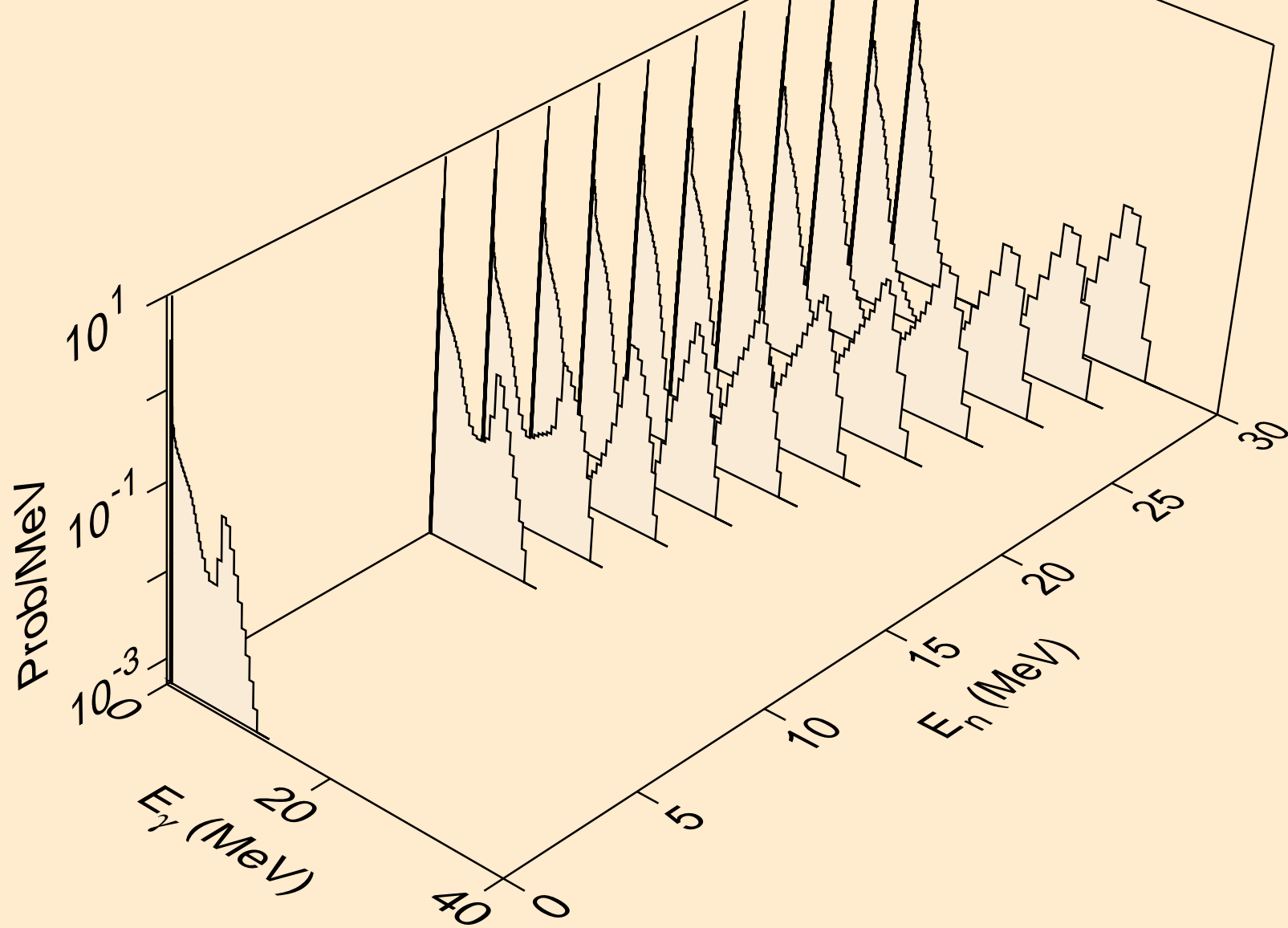
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,npa)

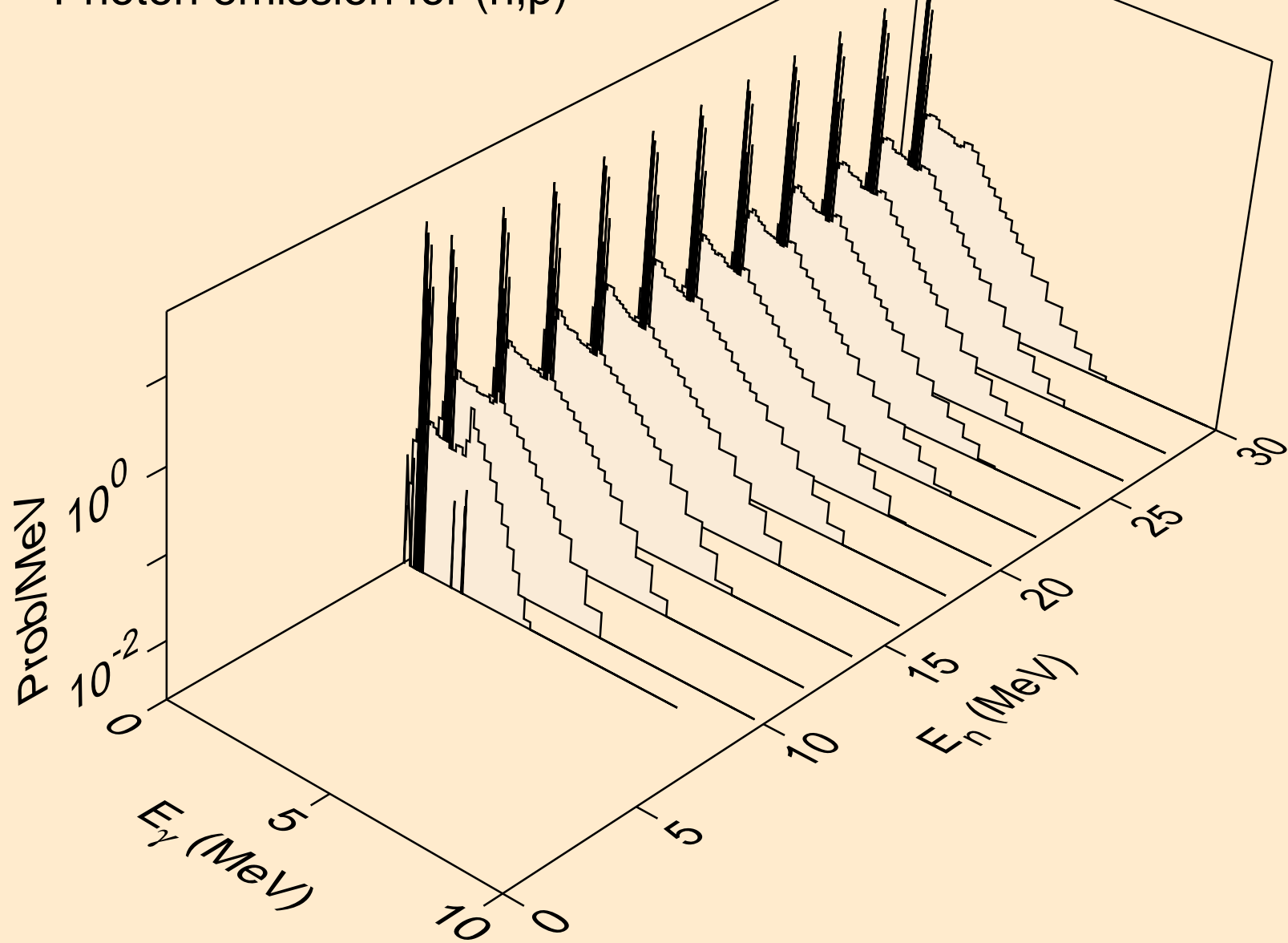


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Photon emission for (n,gma)

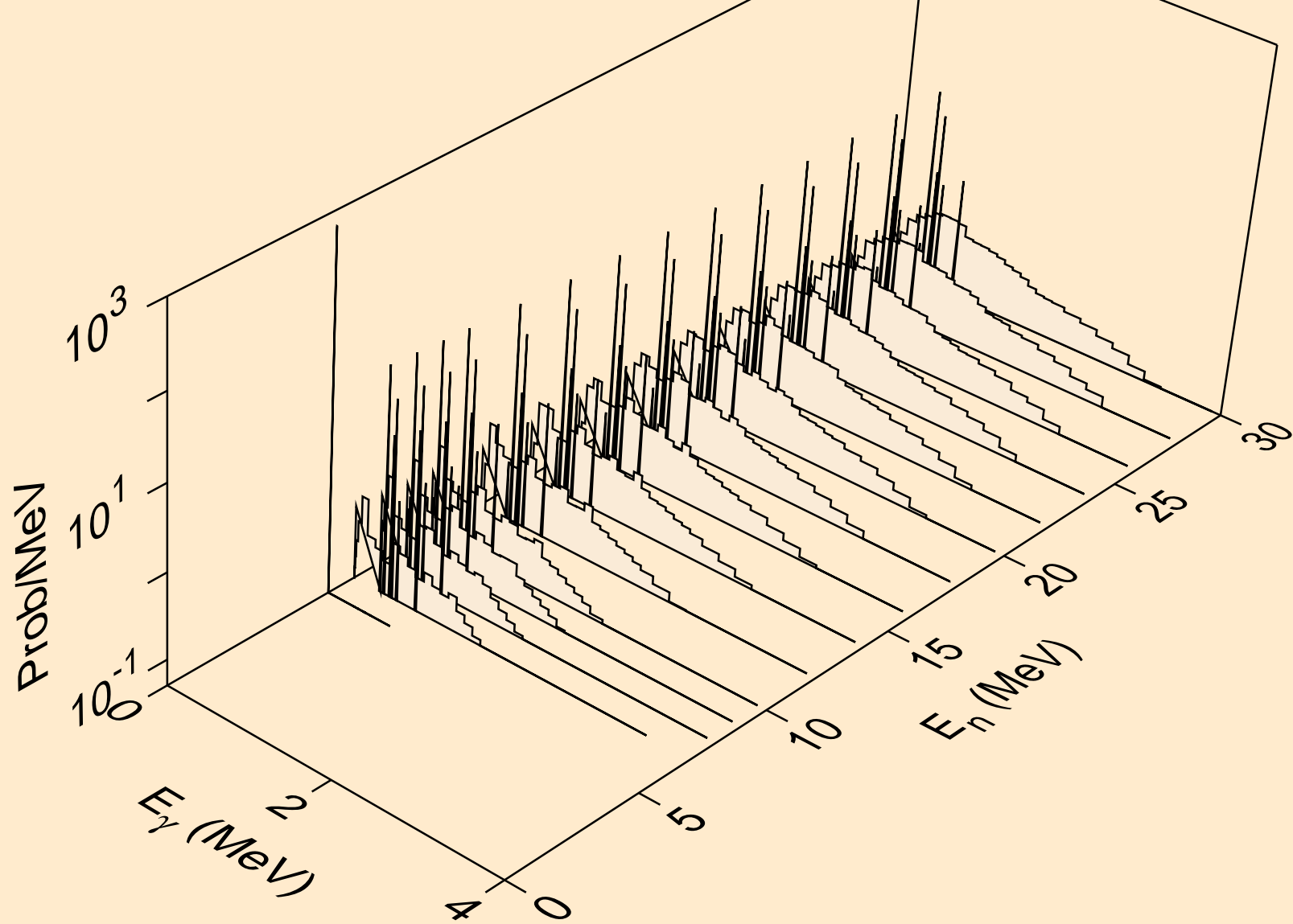




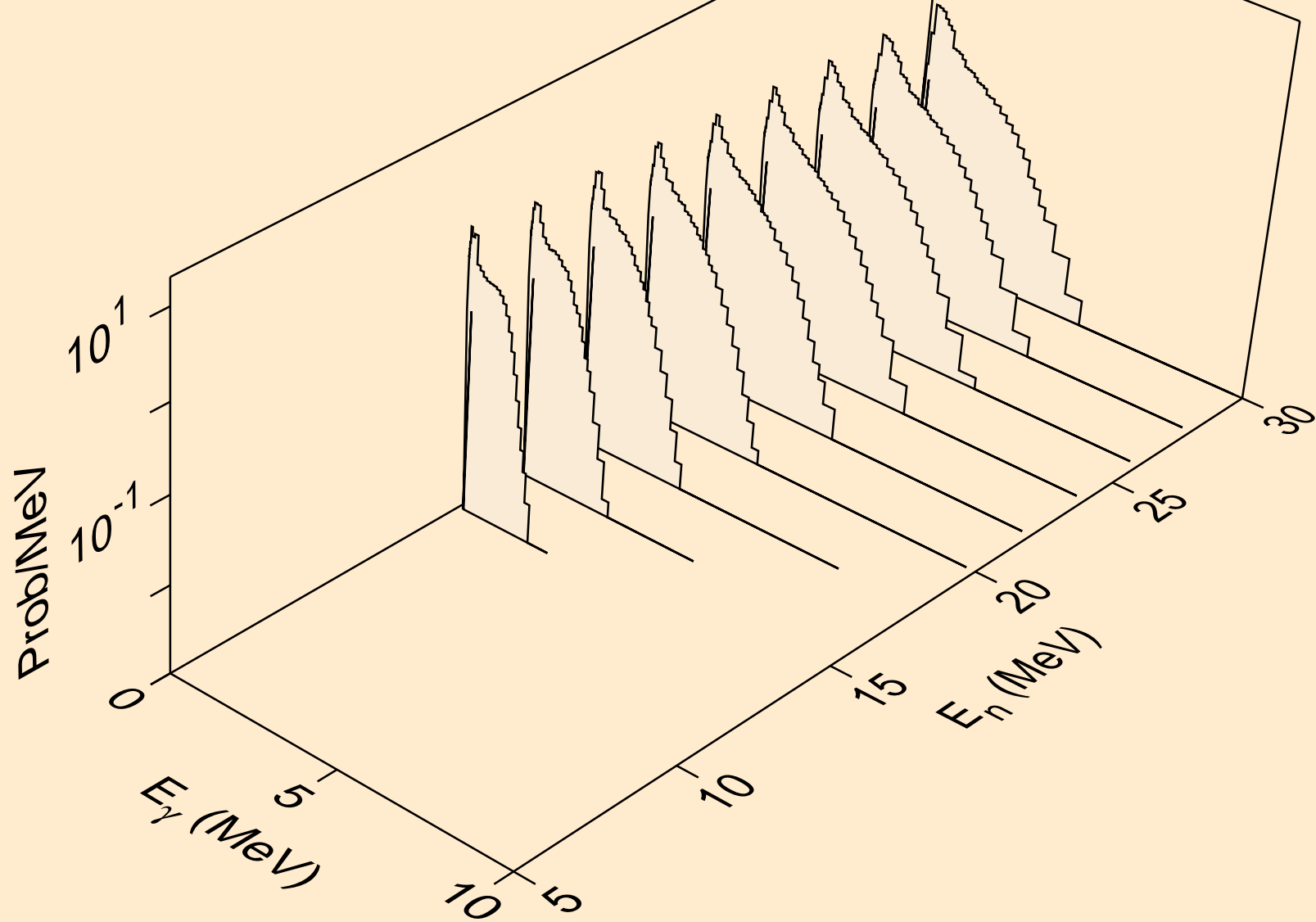
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Photon emission for (n,p)



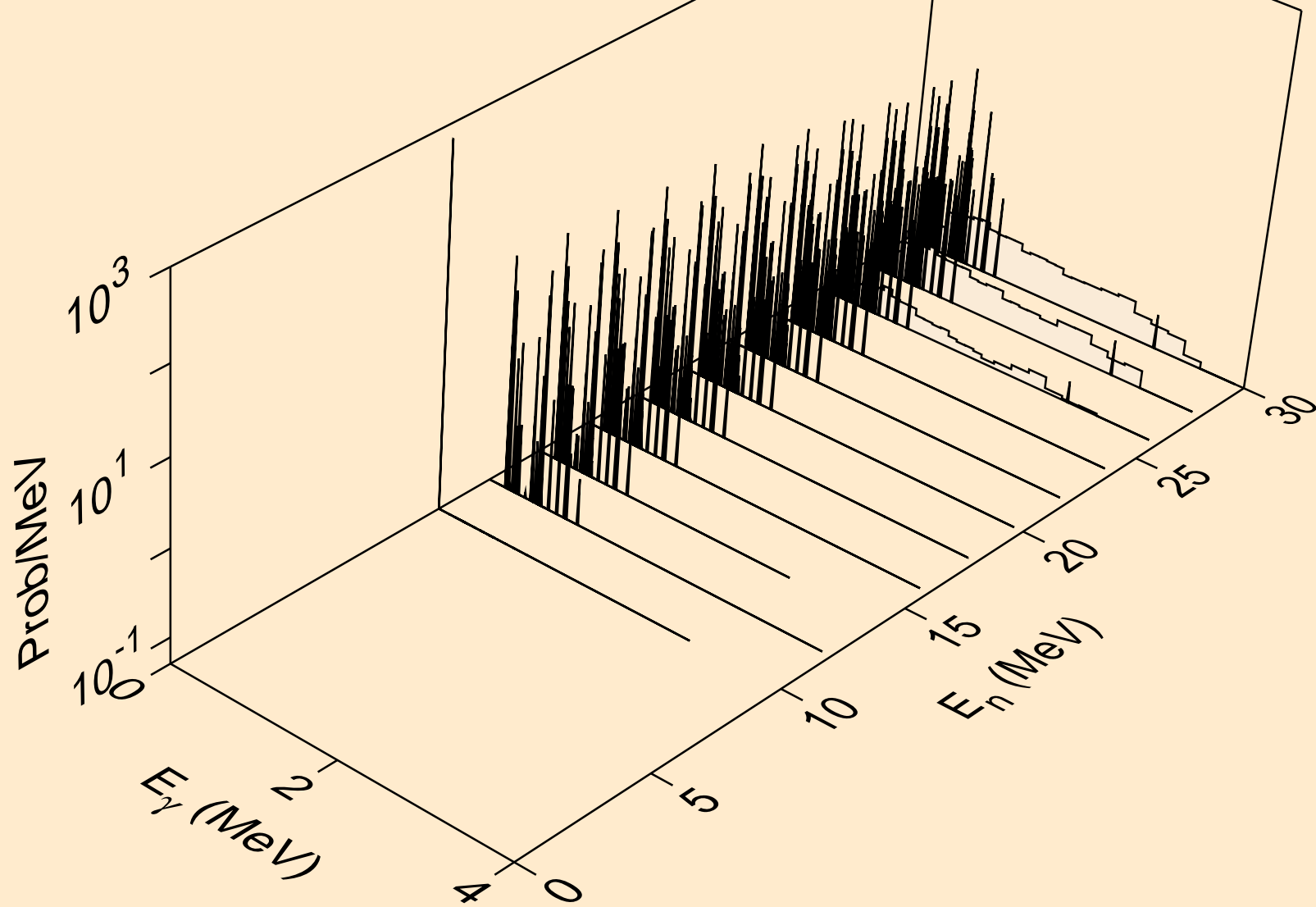
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Photon emission for (n,d)



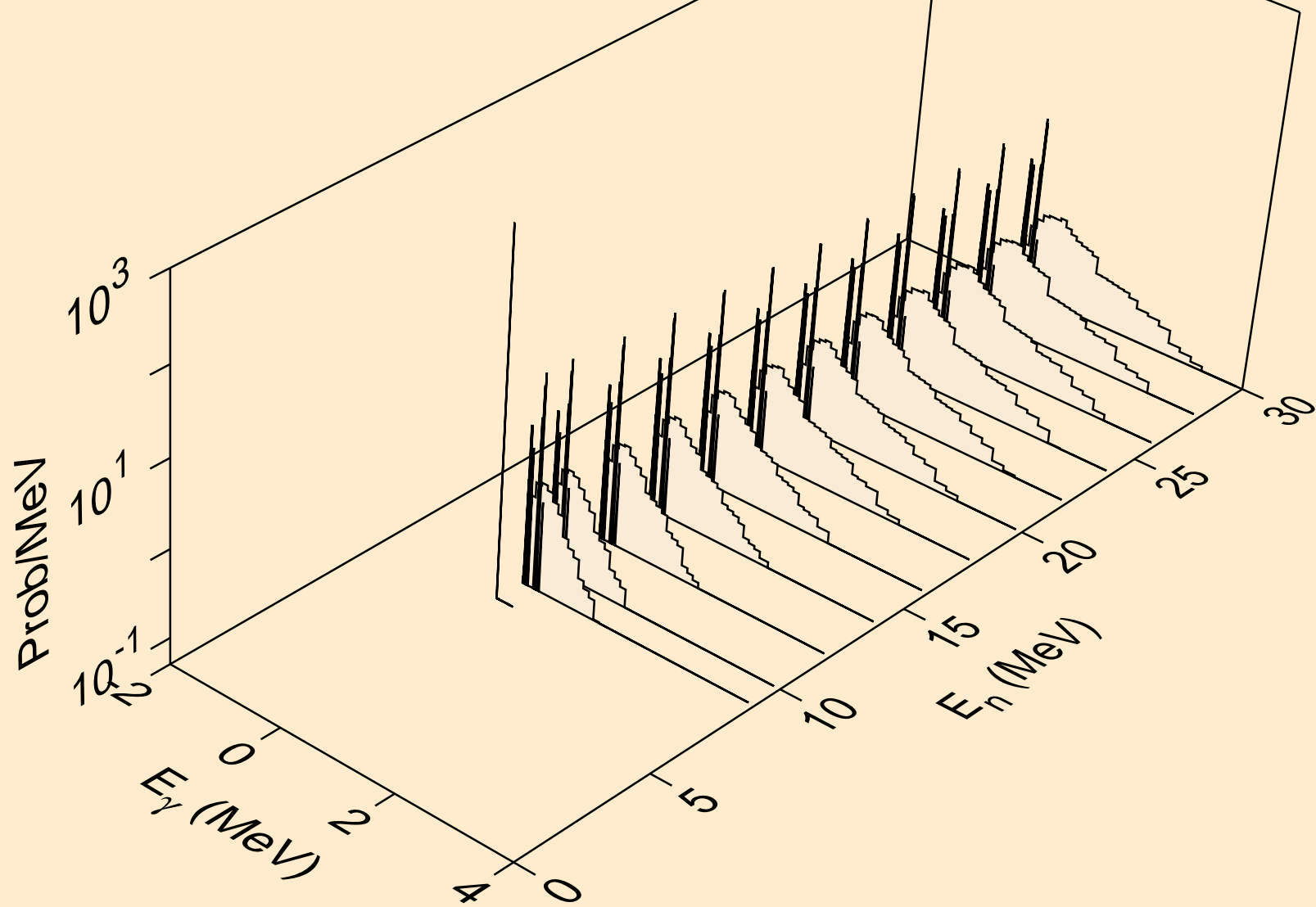
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,t)



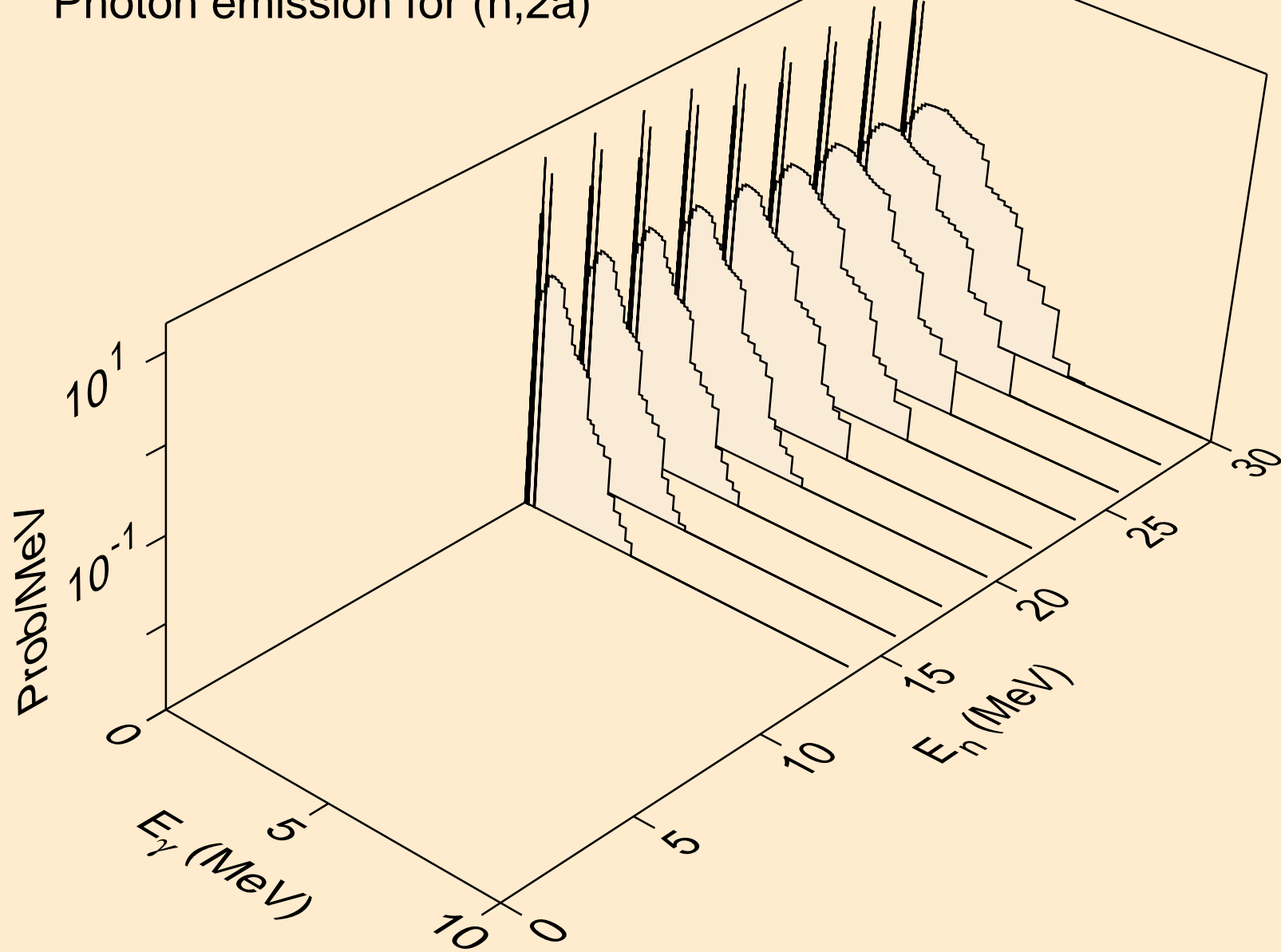
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic



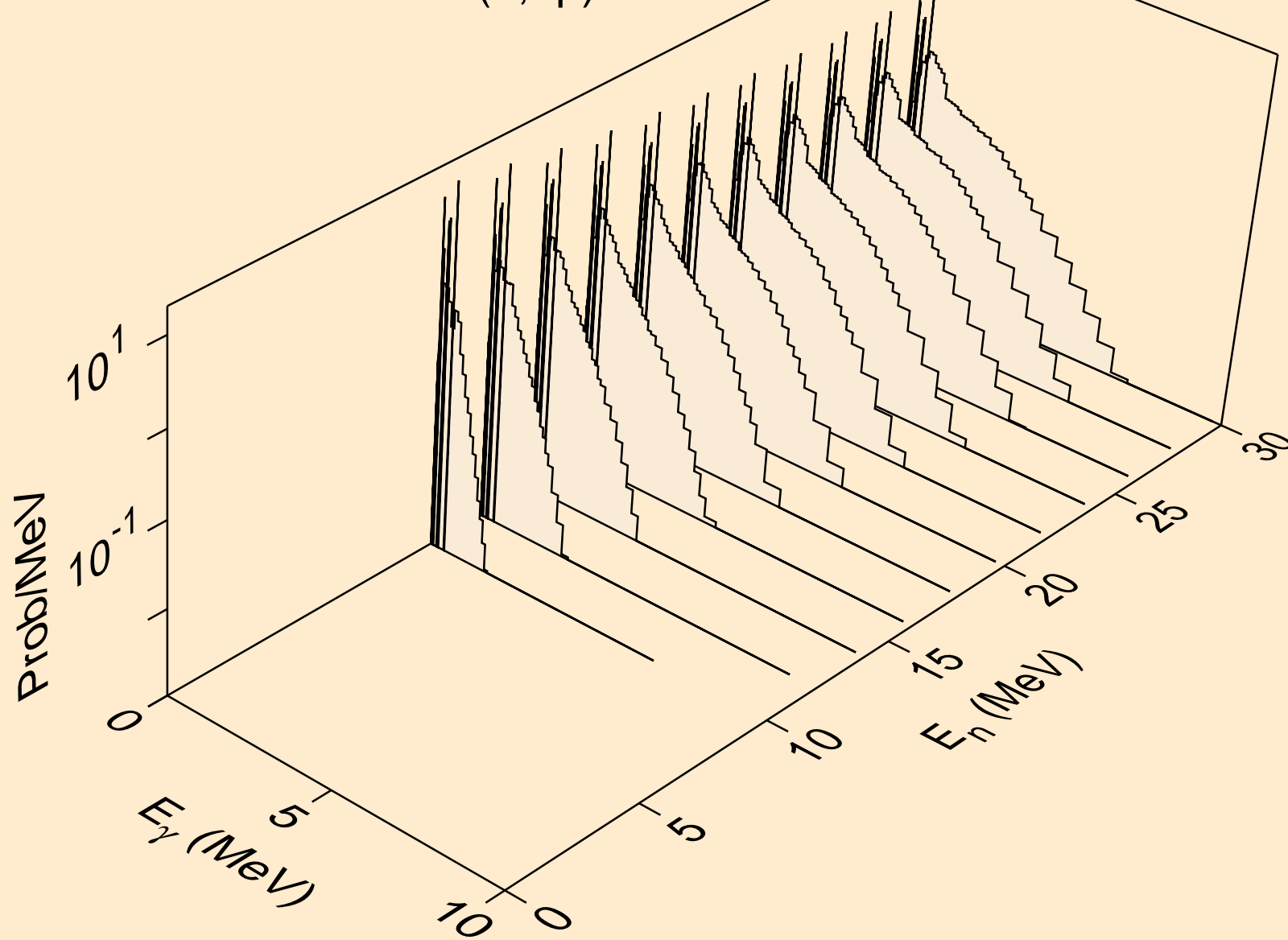
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Photon emission for (n,a)



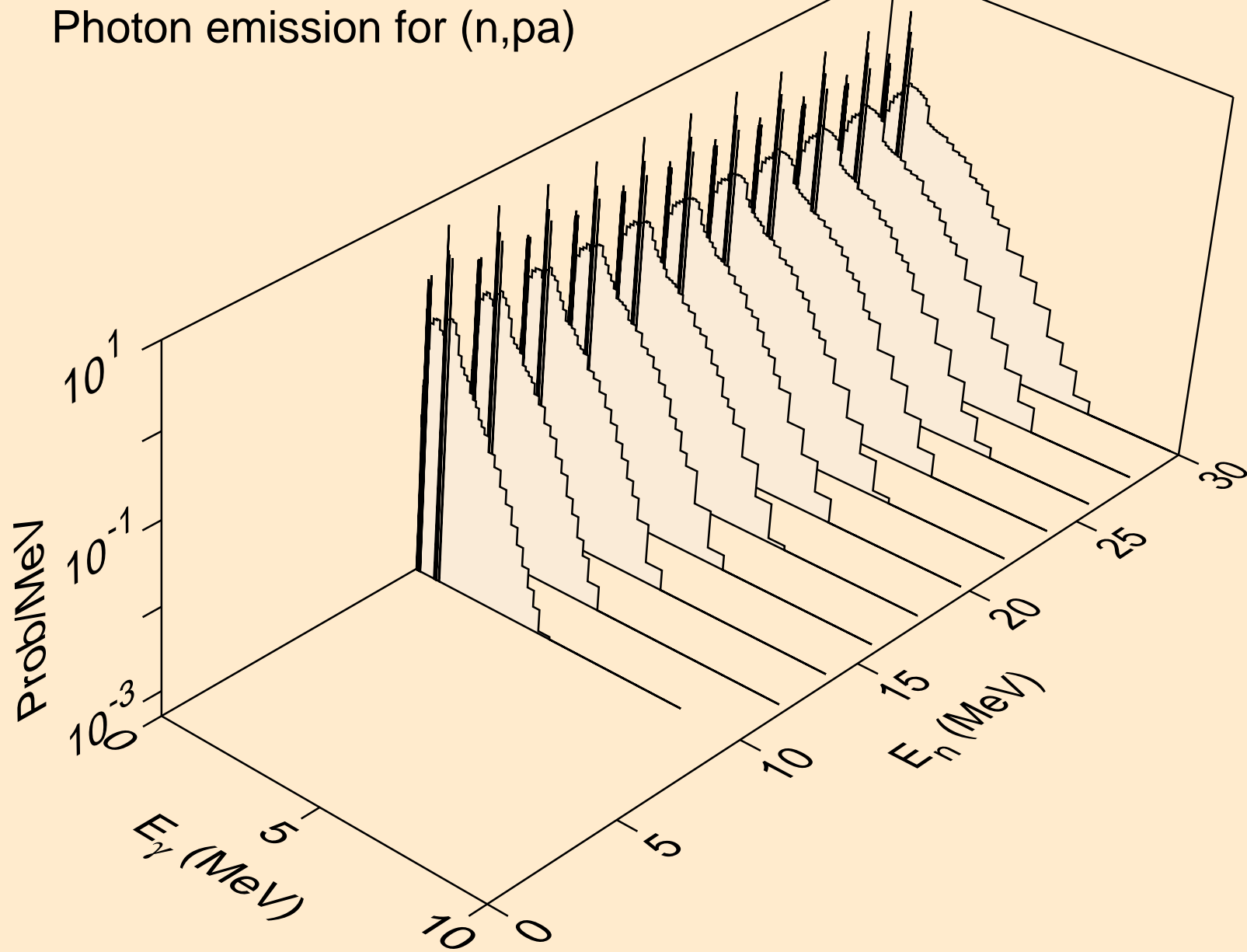
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2a)



BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)

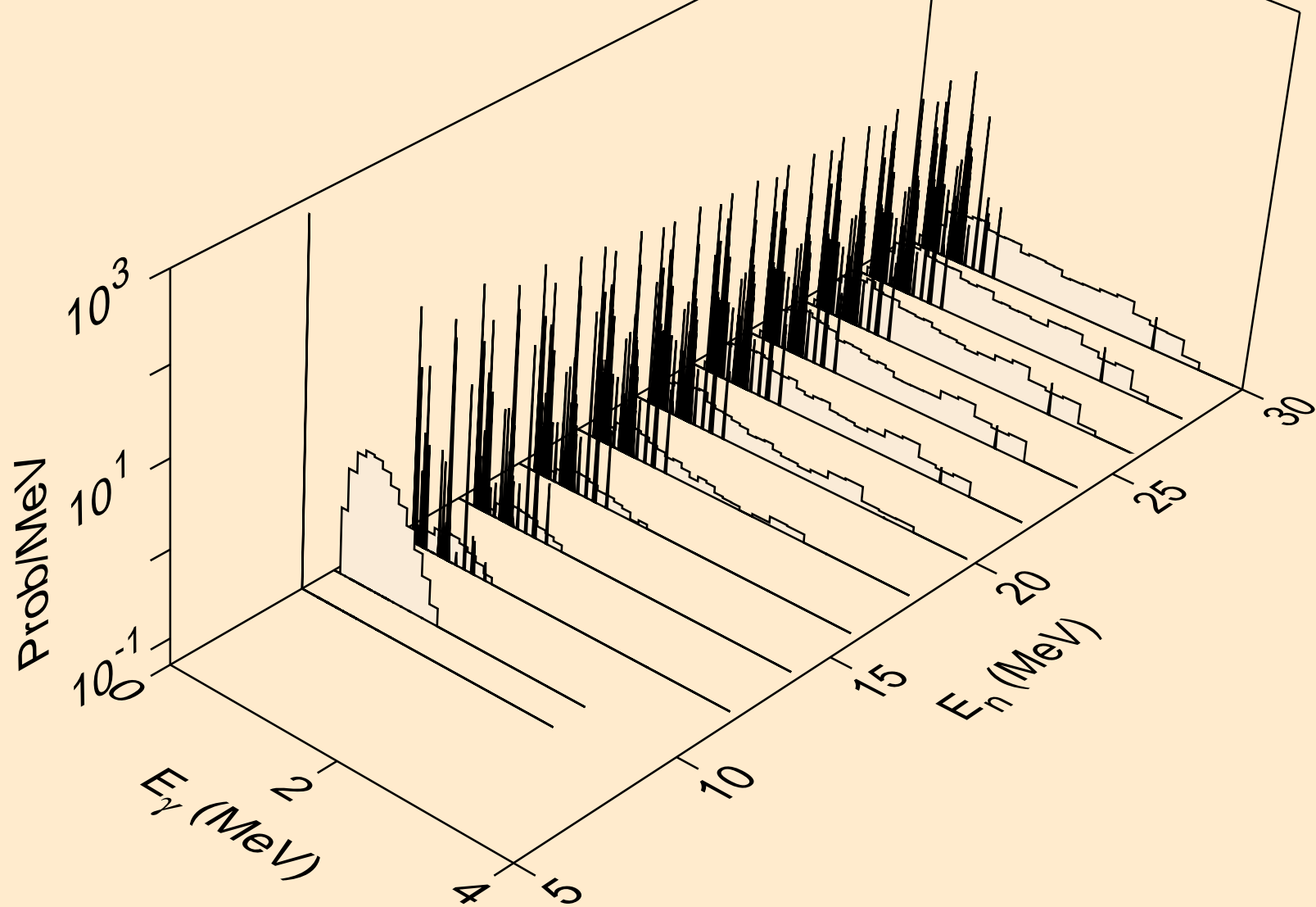


BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pa)

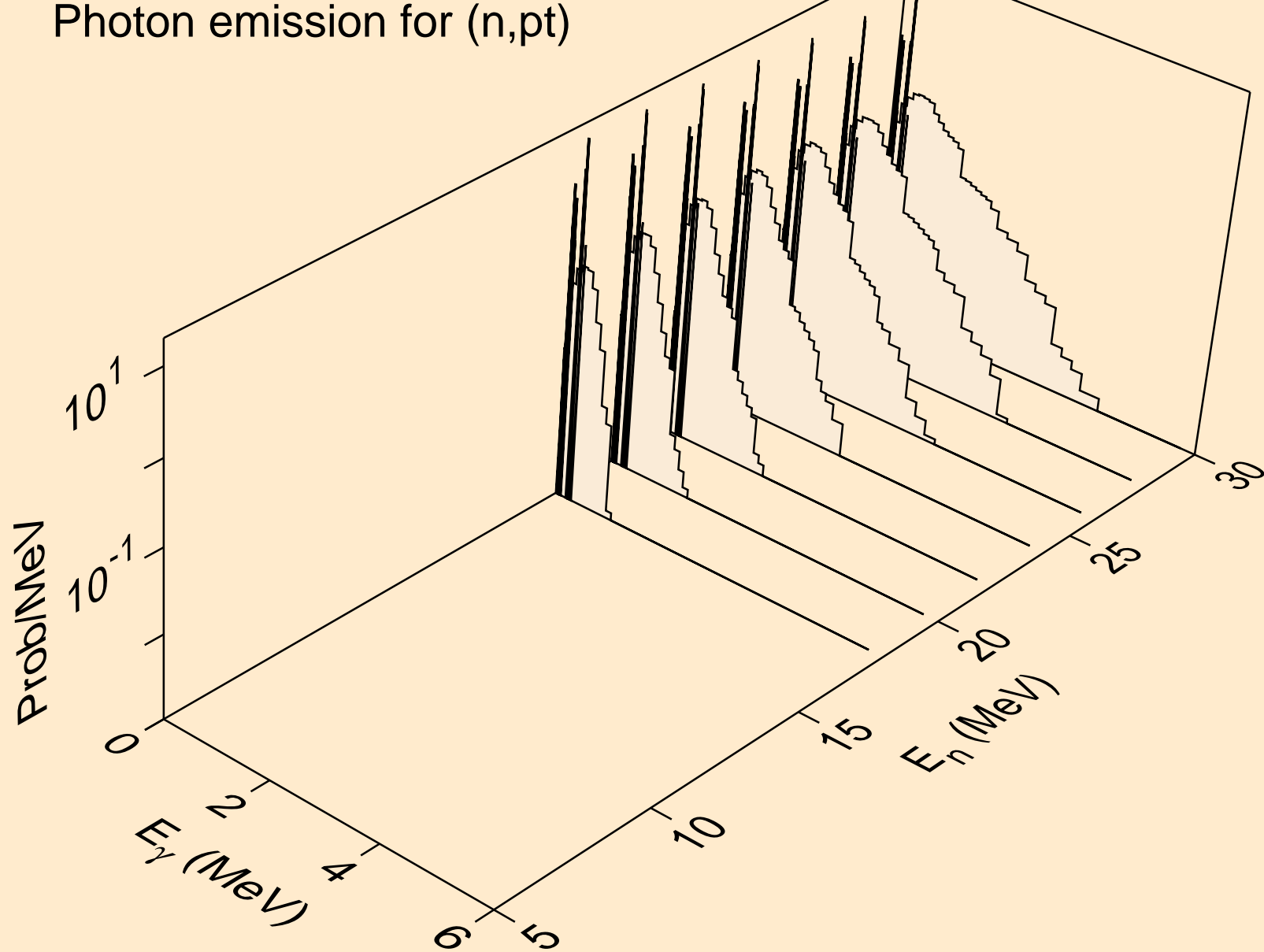




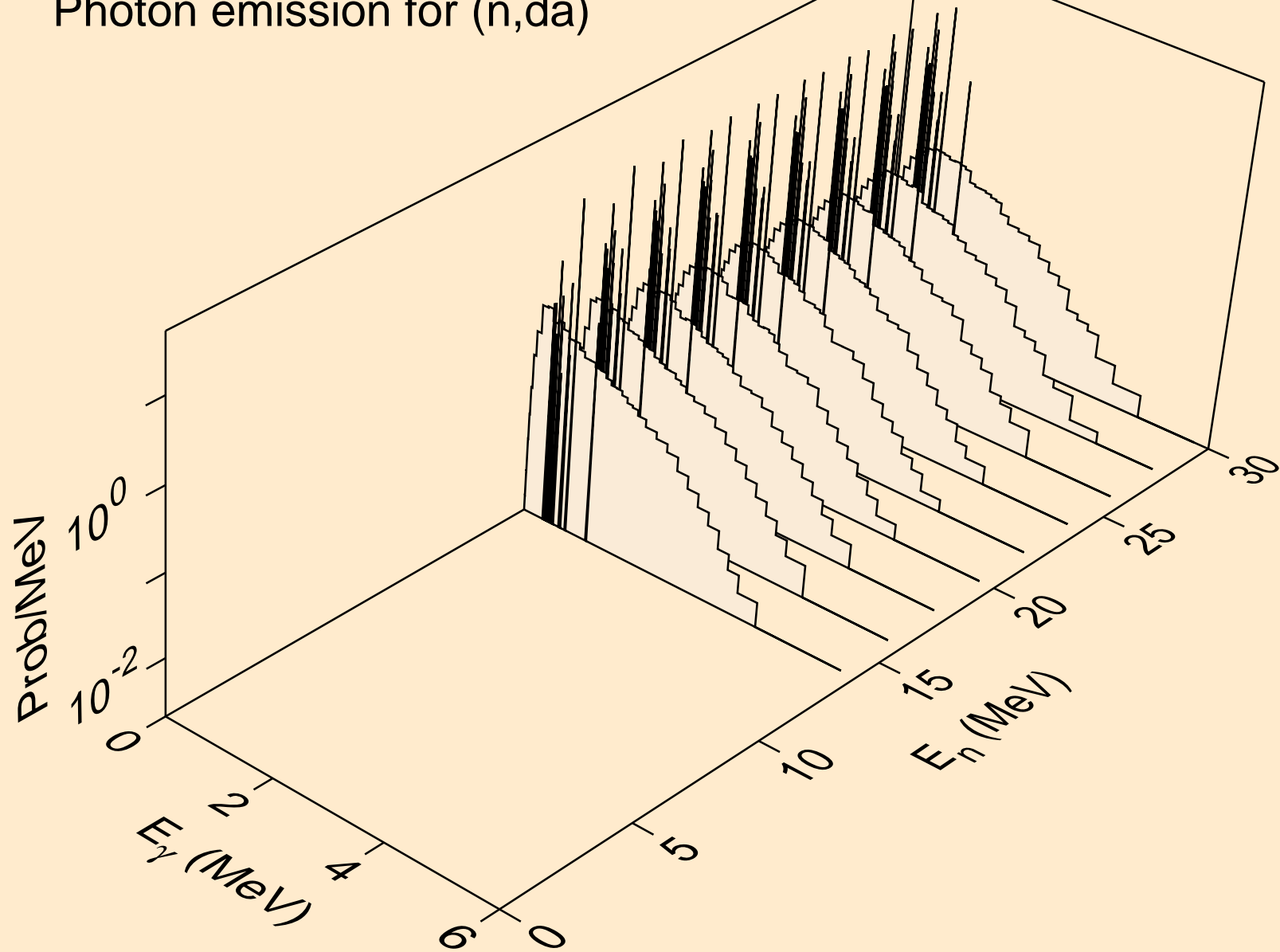
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Photon emission for (n,pd)



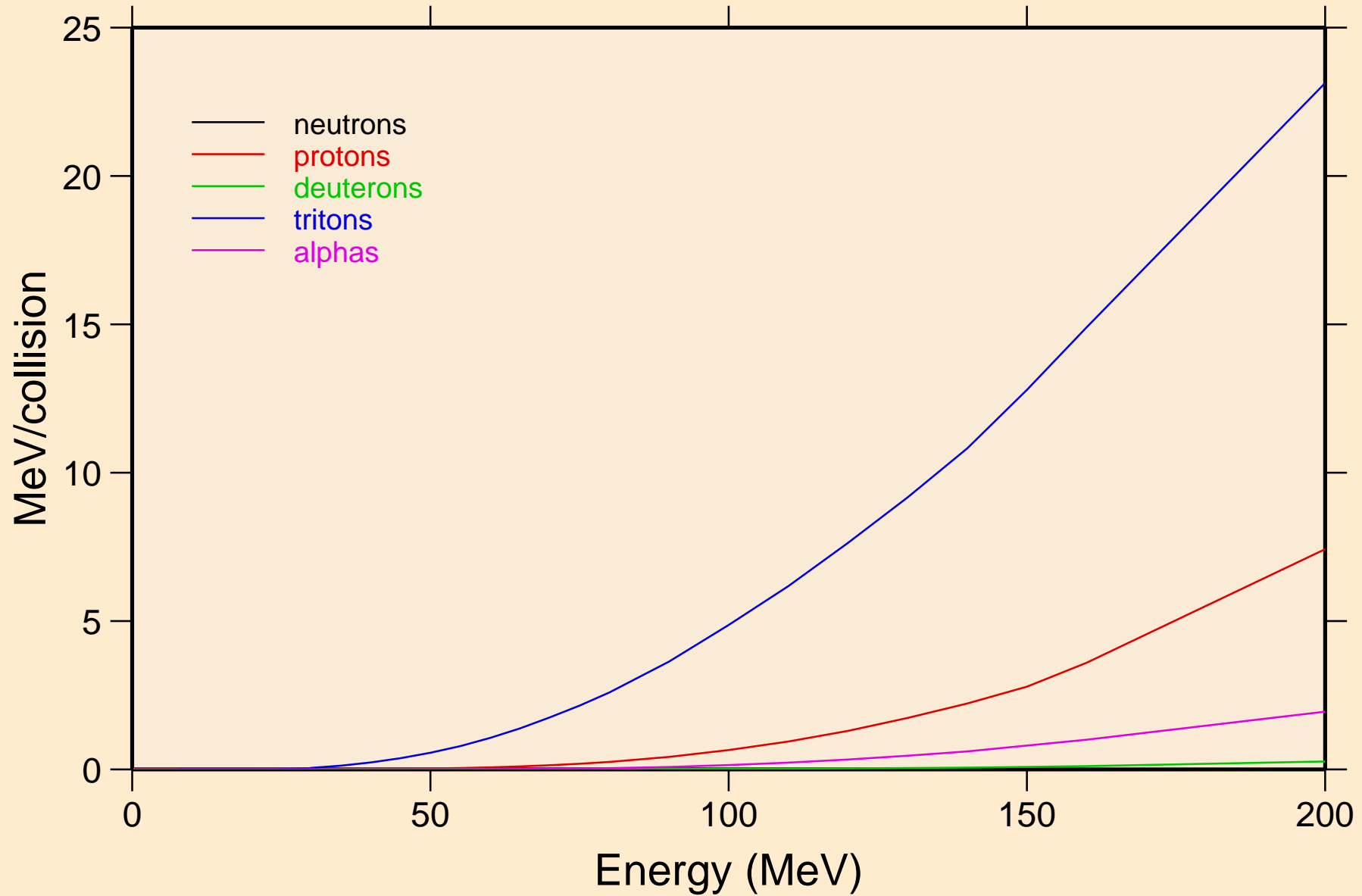
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pt)



BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,da)

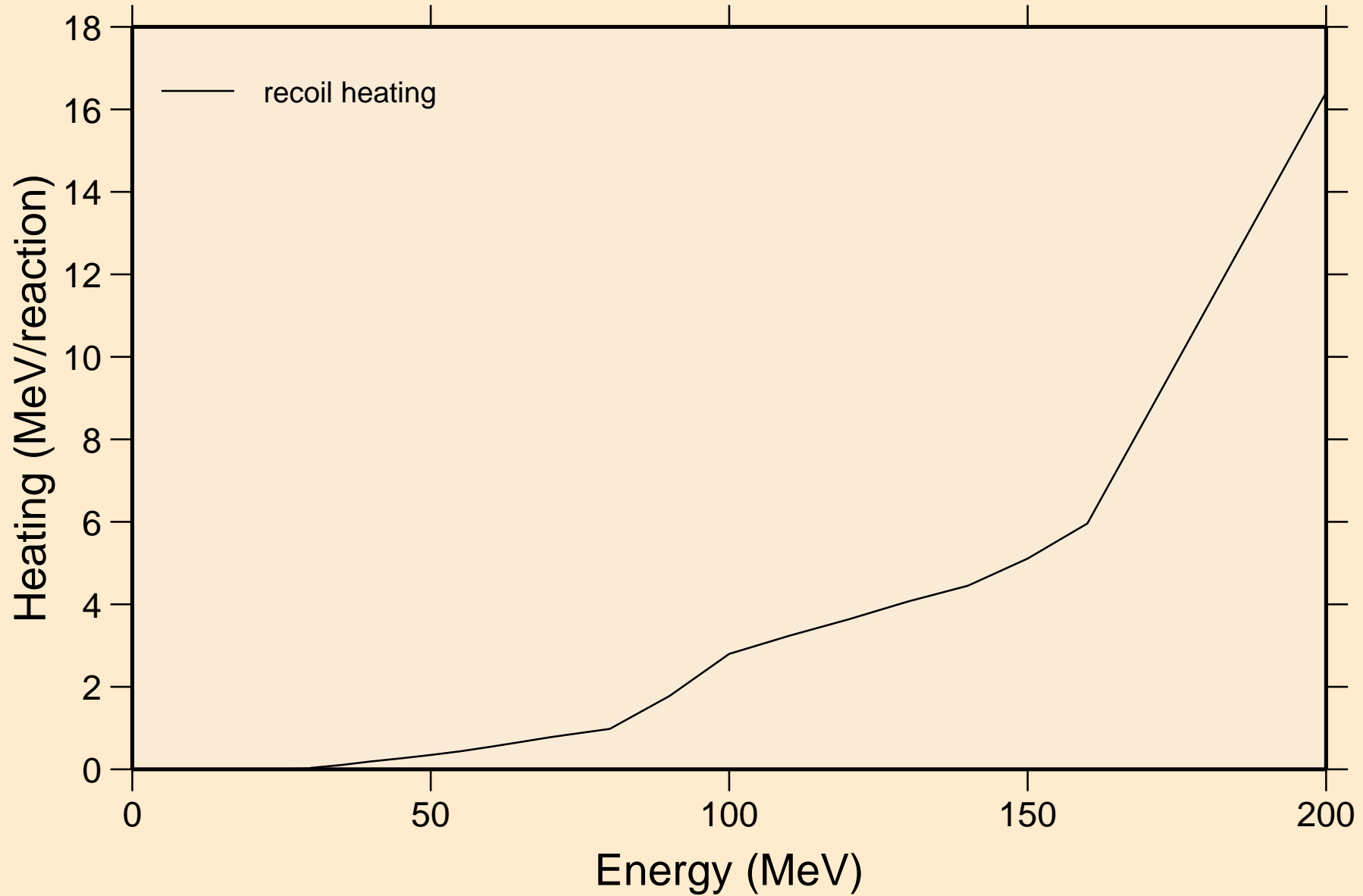


BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Particle heating contributions

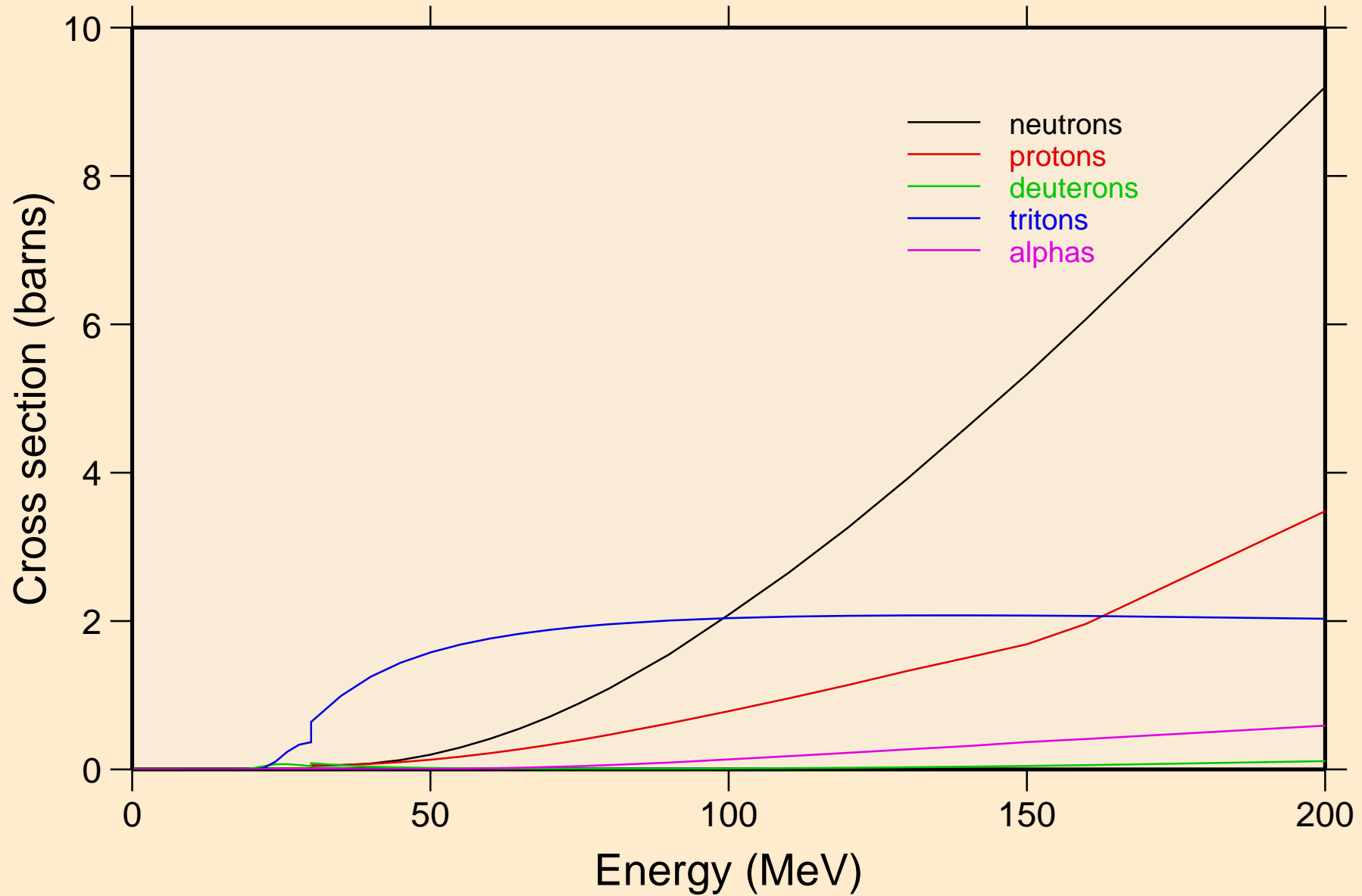


BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K

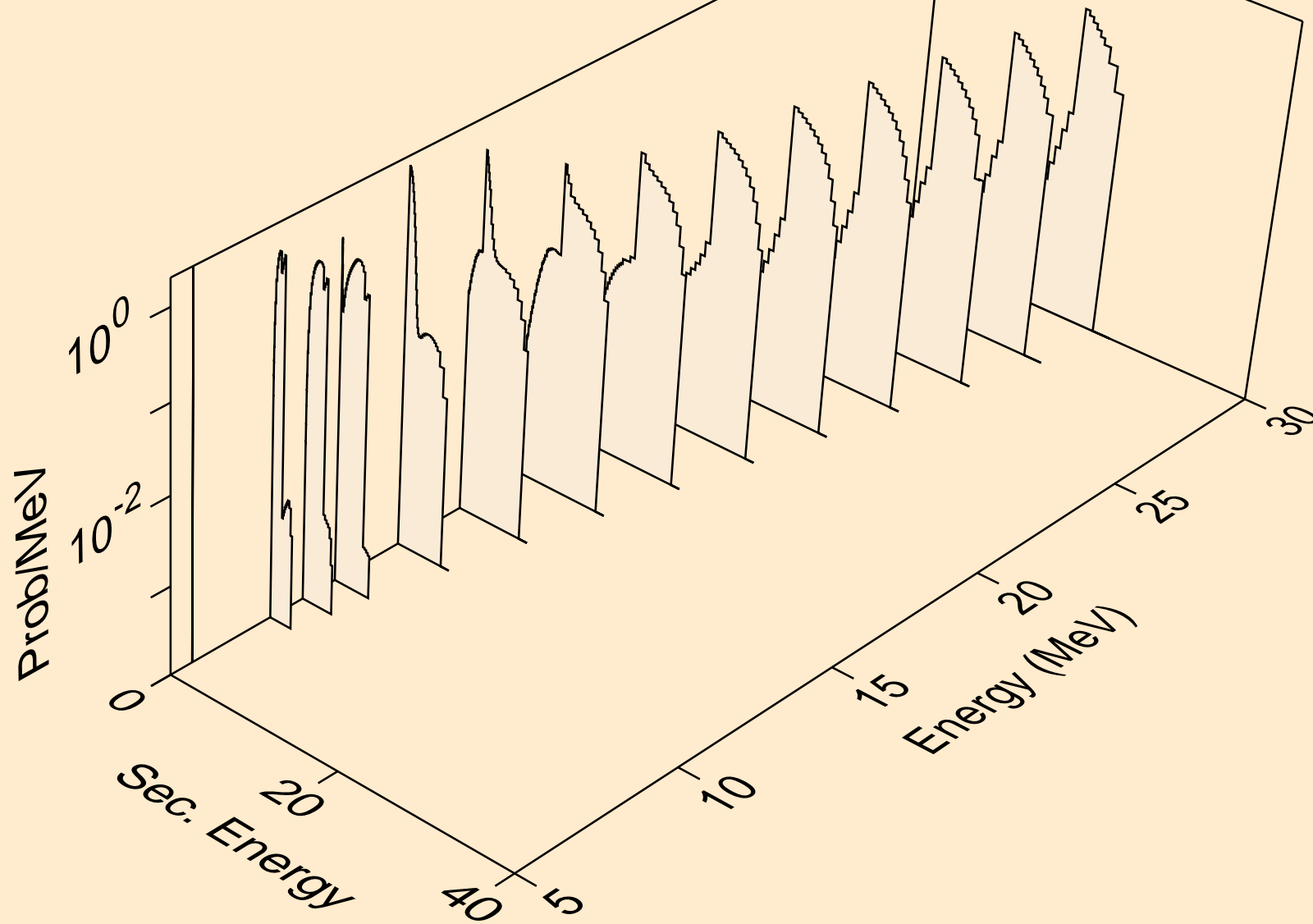
### Recoil Heating



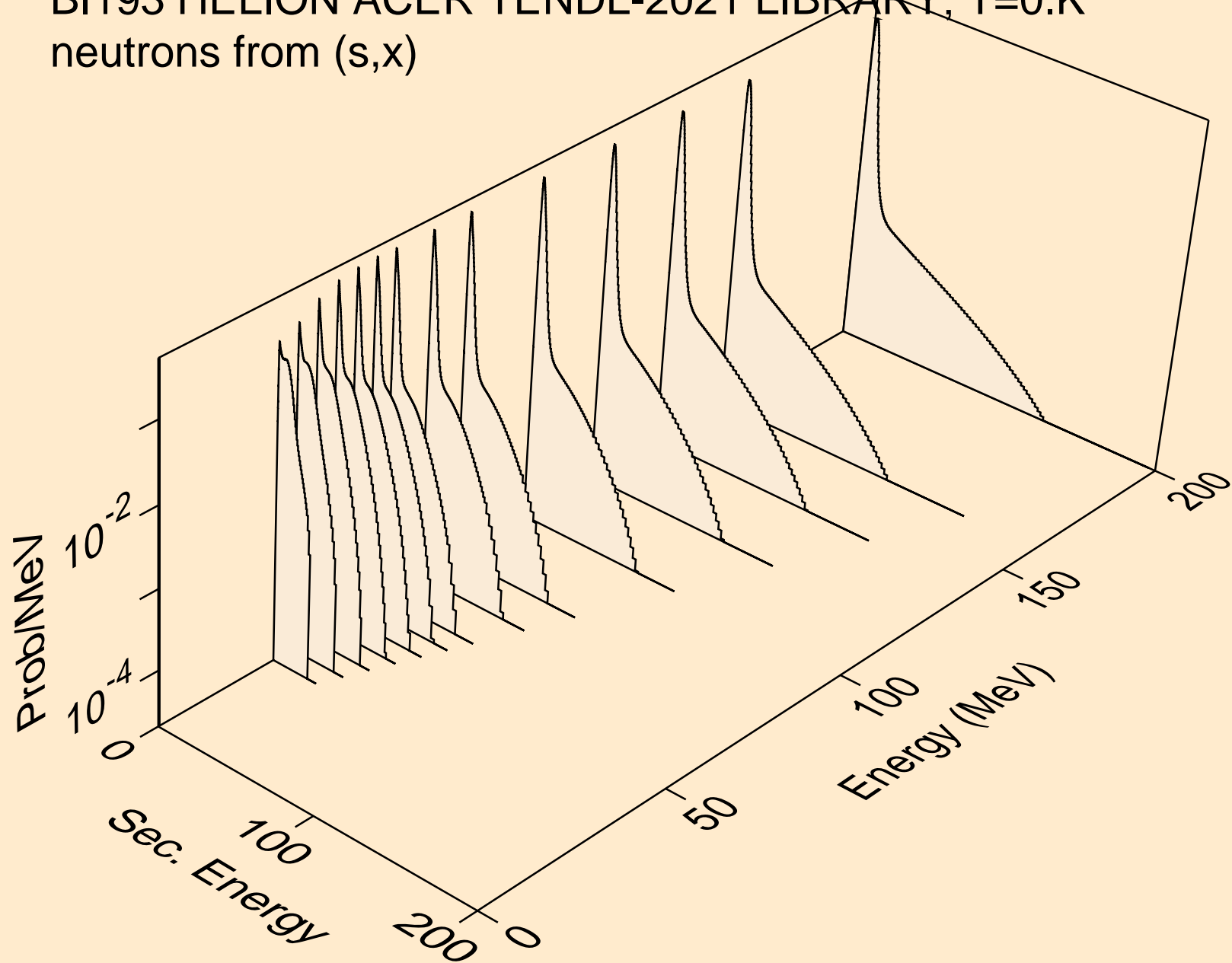
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Particle production cross sections



BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n)

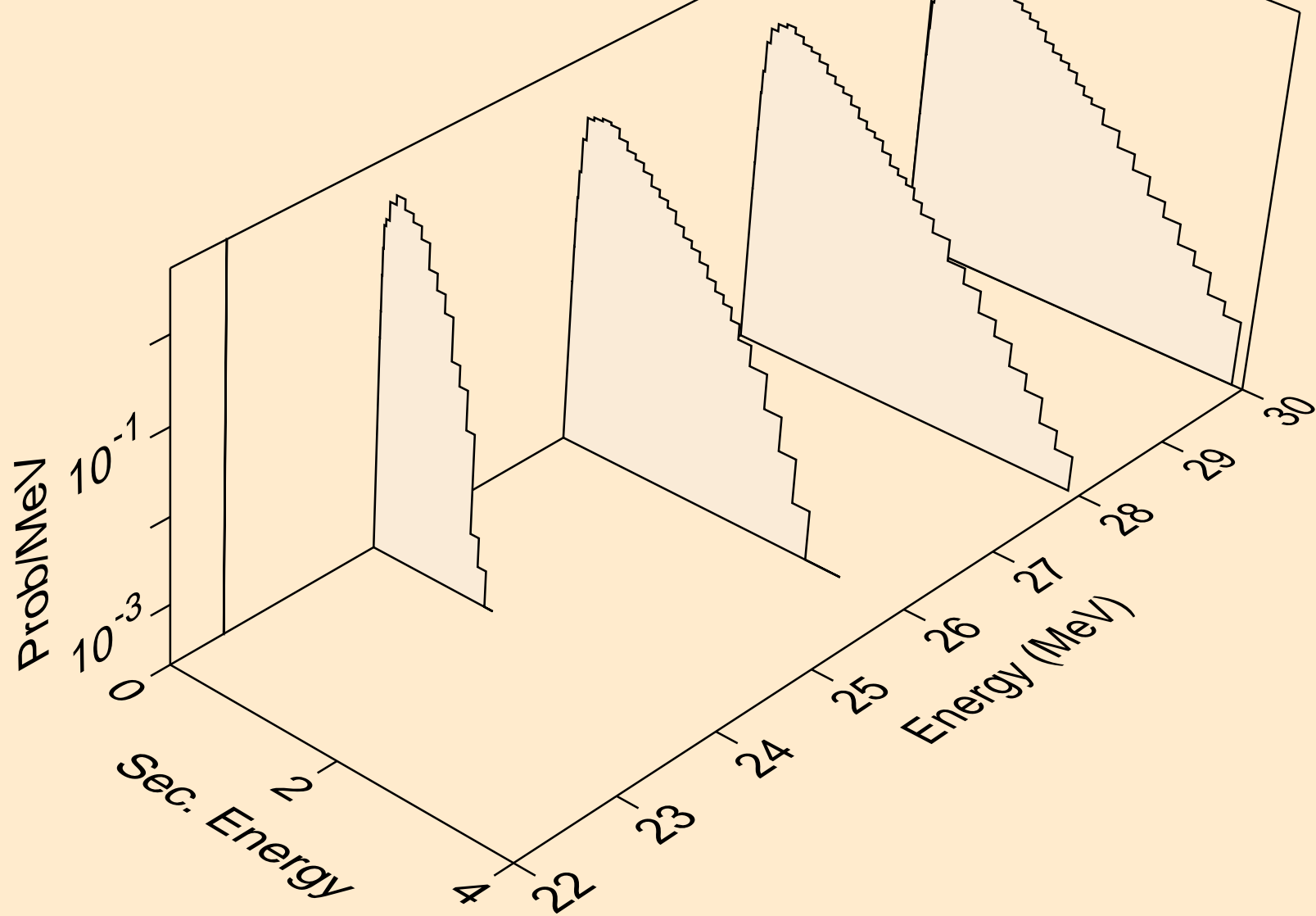


BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,x)

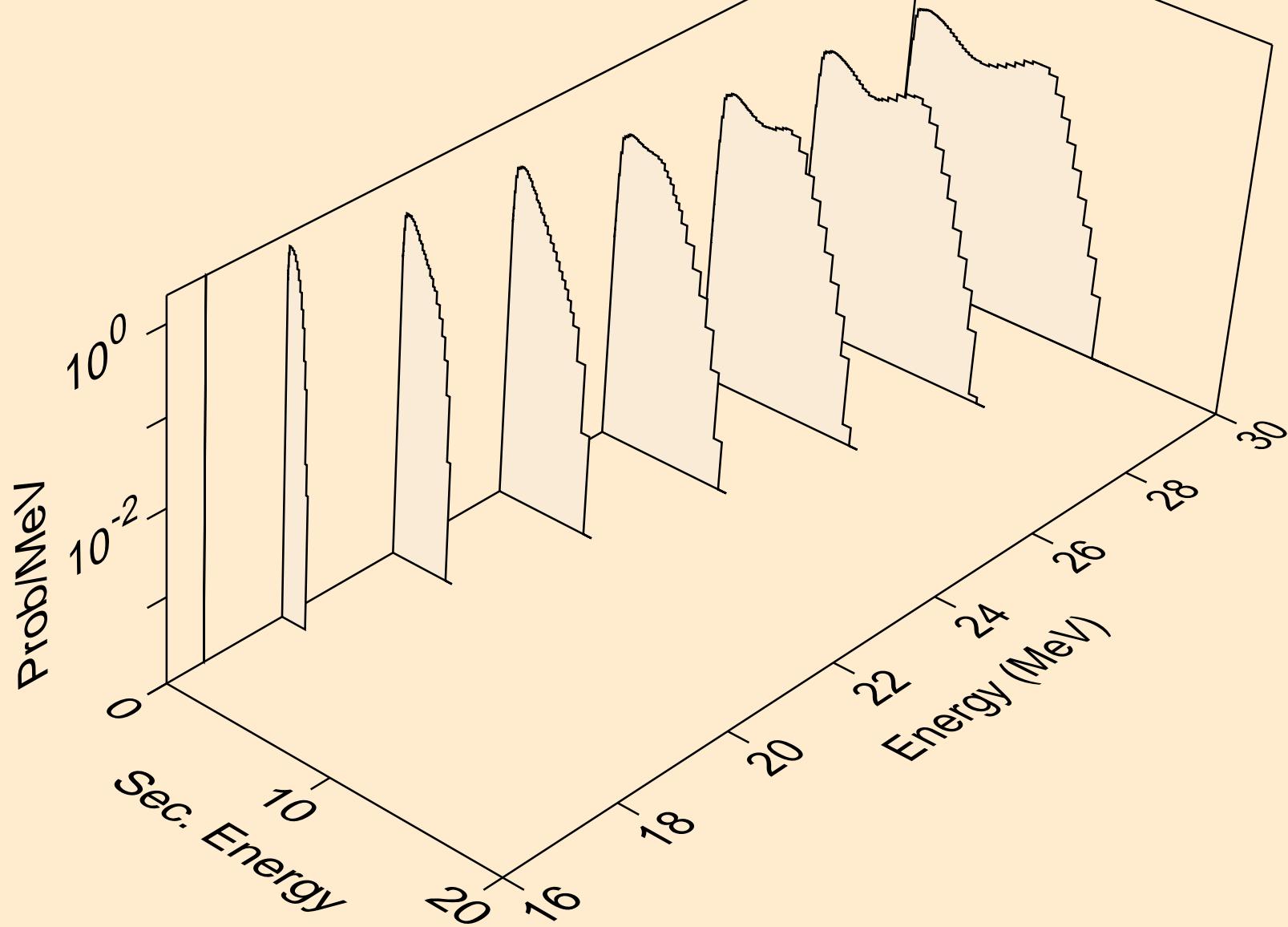




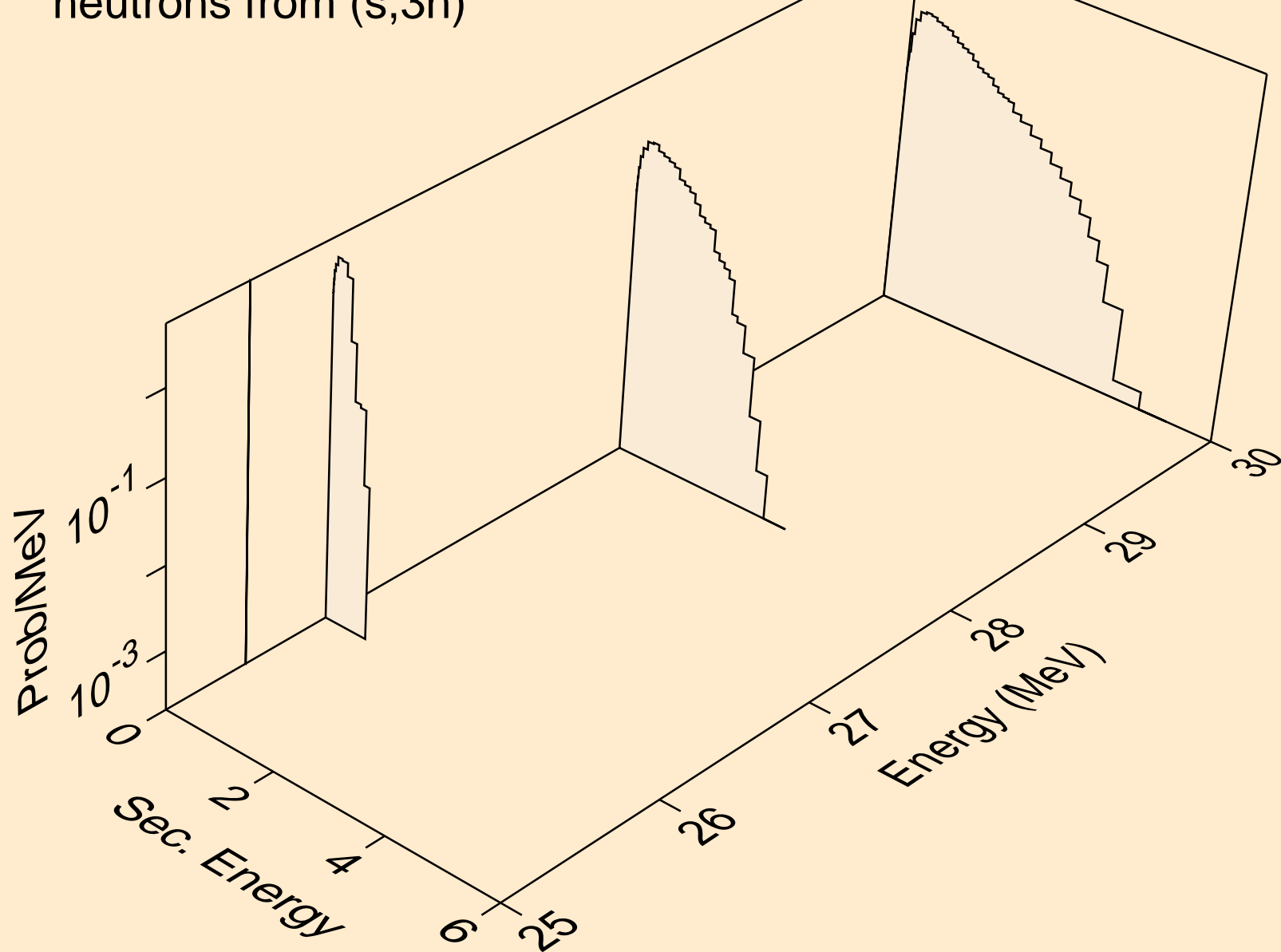
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2nd)



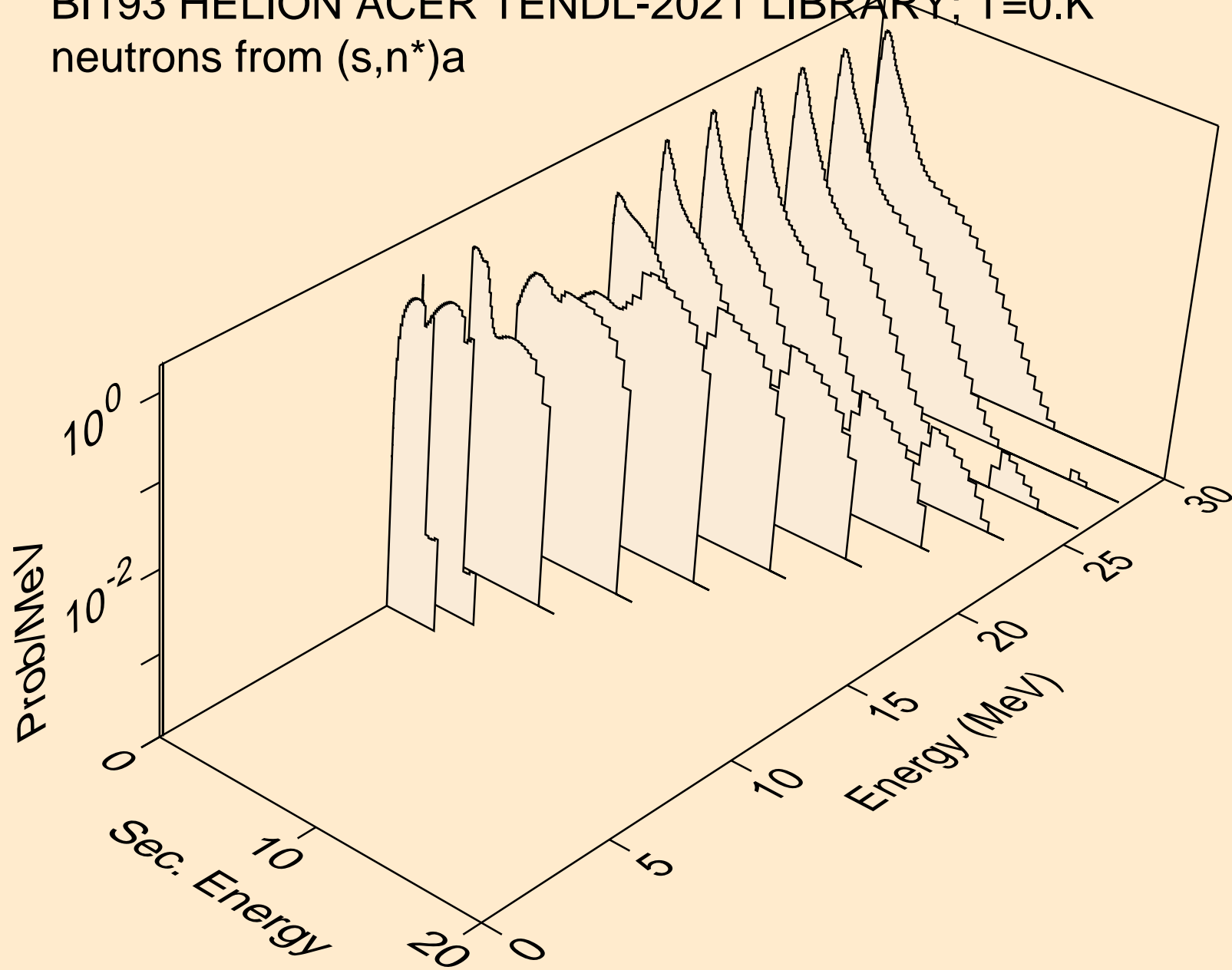
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2n)



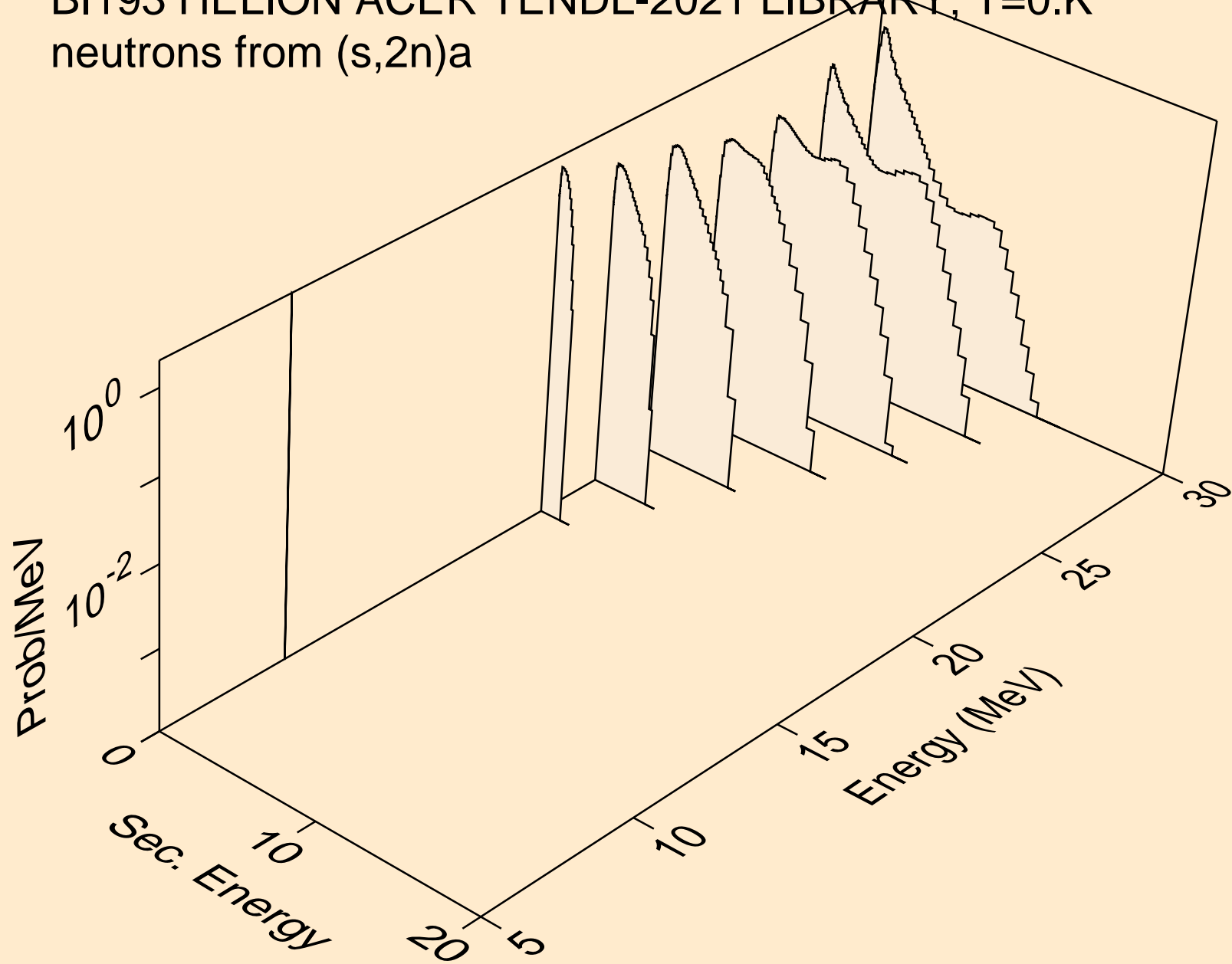
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,3n)



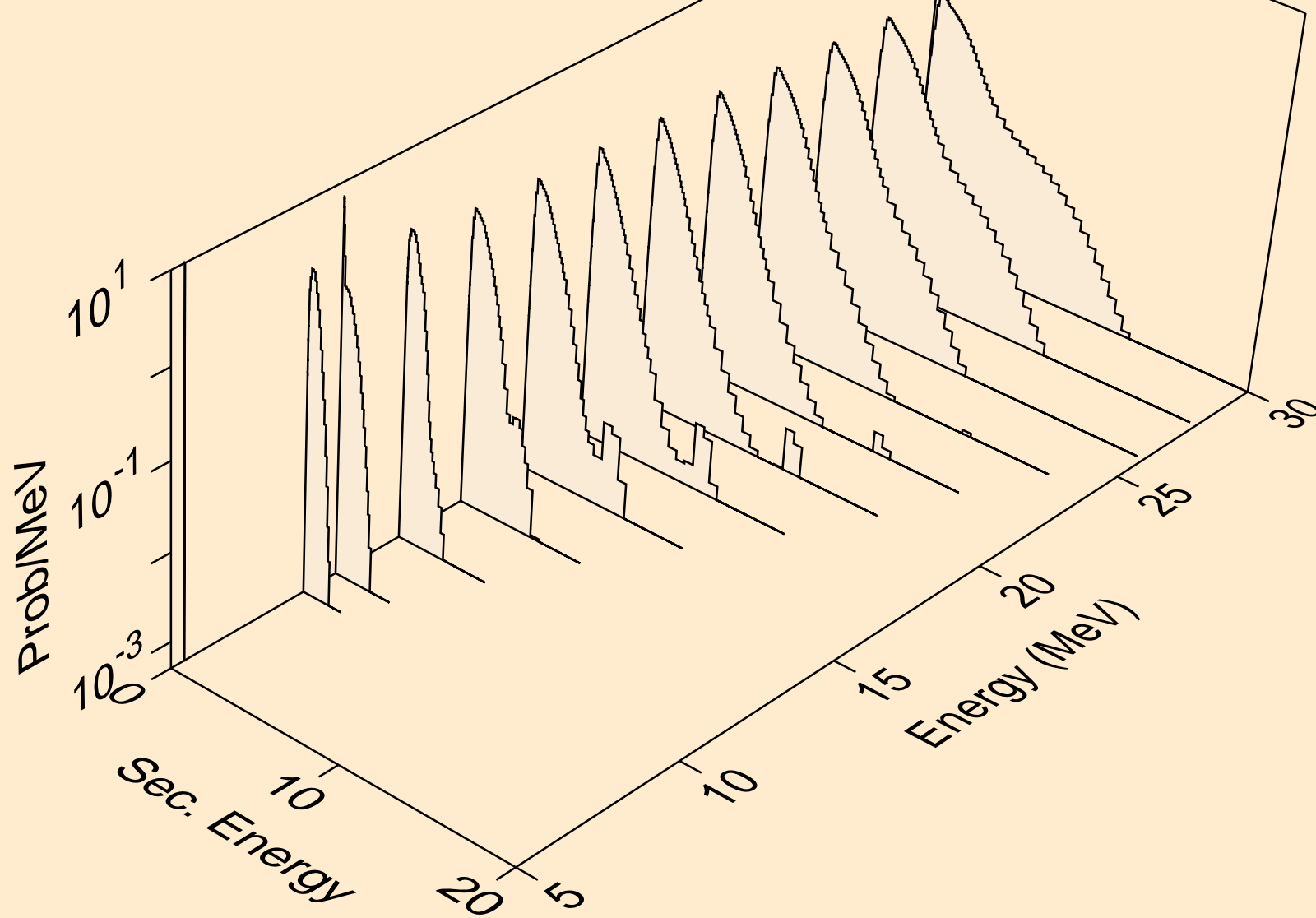
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)a



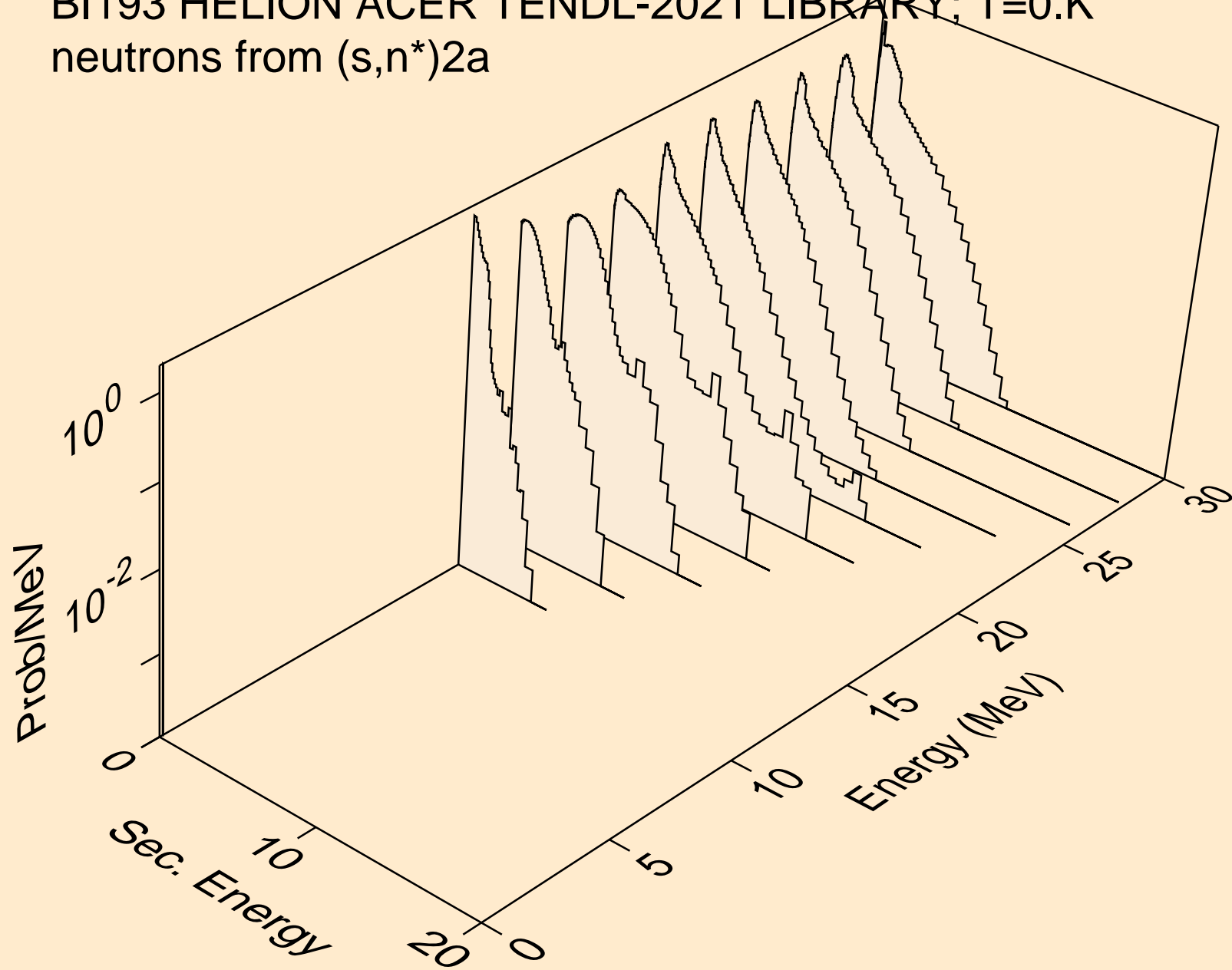
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2n)a



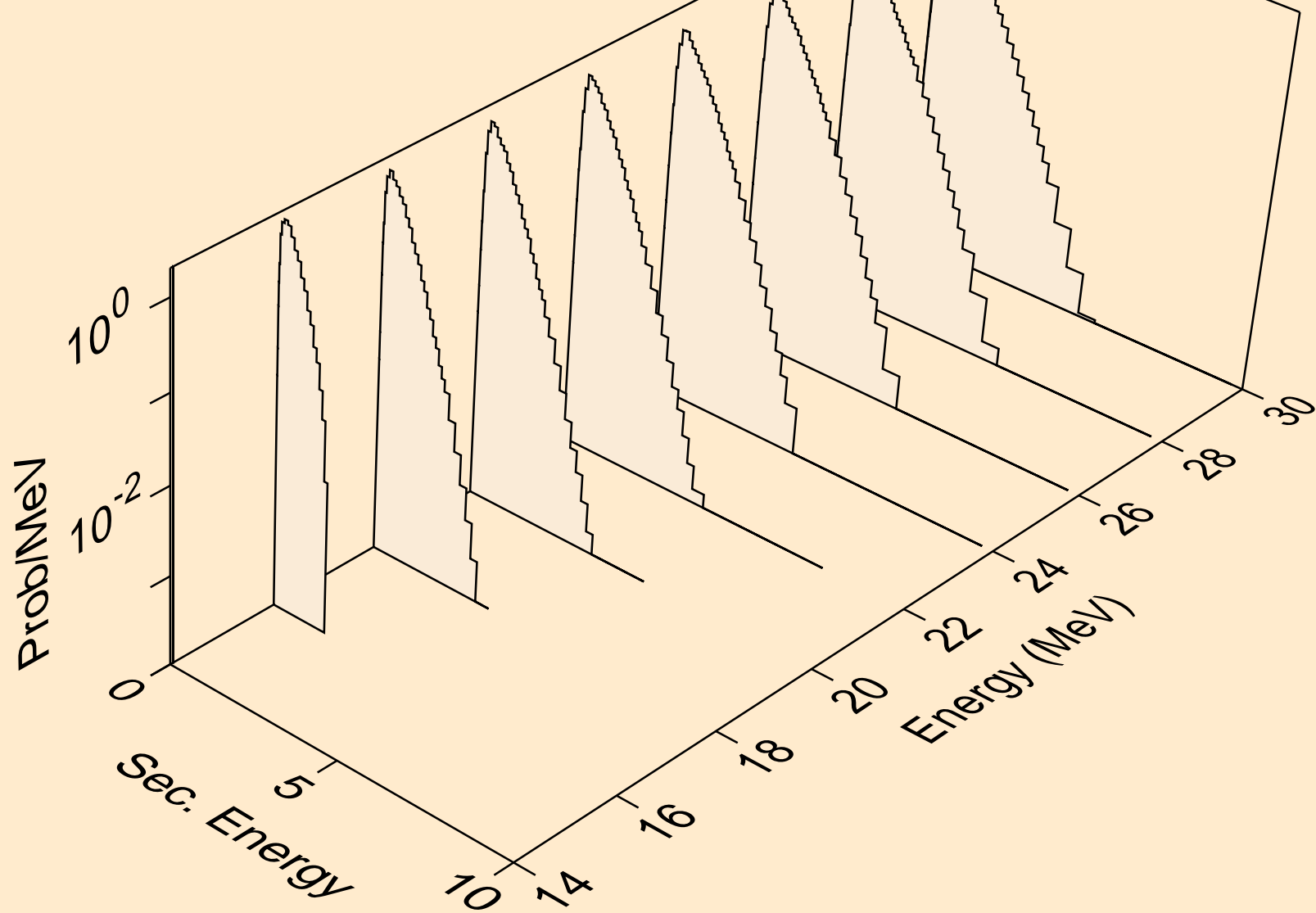
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)p



BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)2a

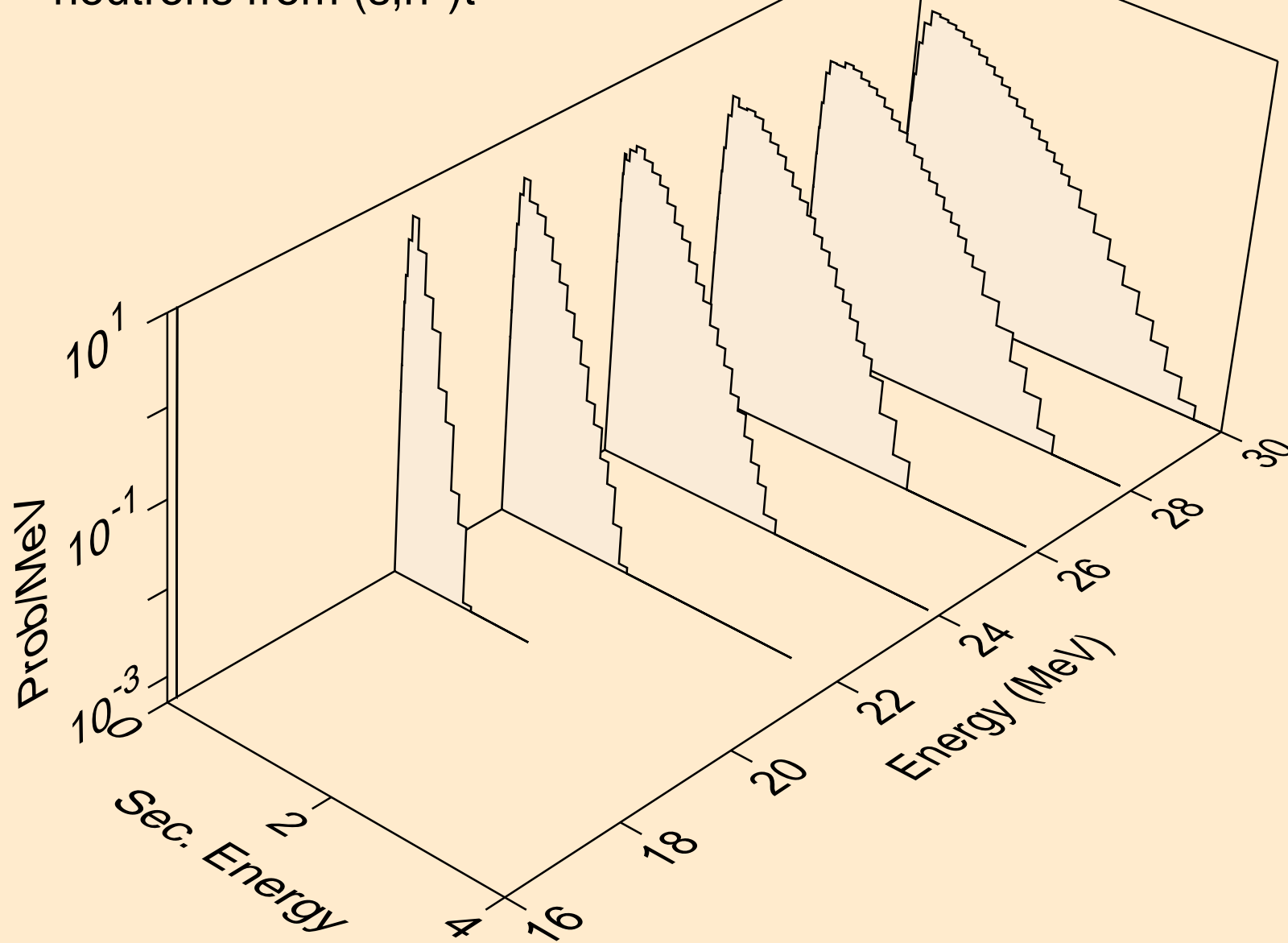


BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
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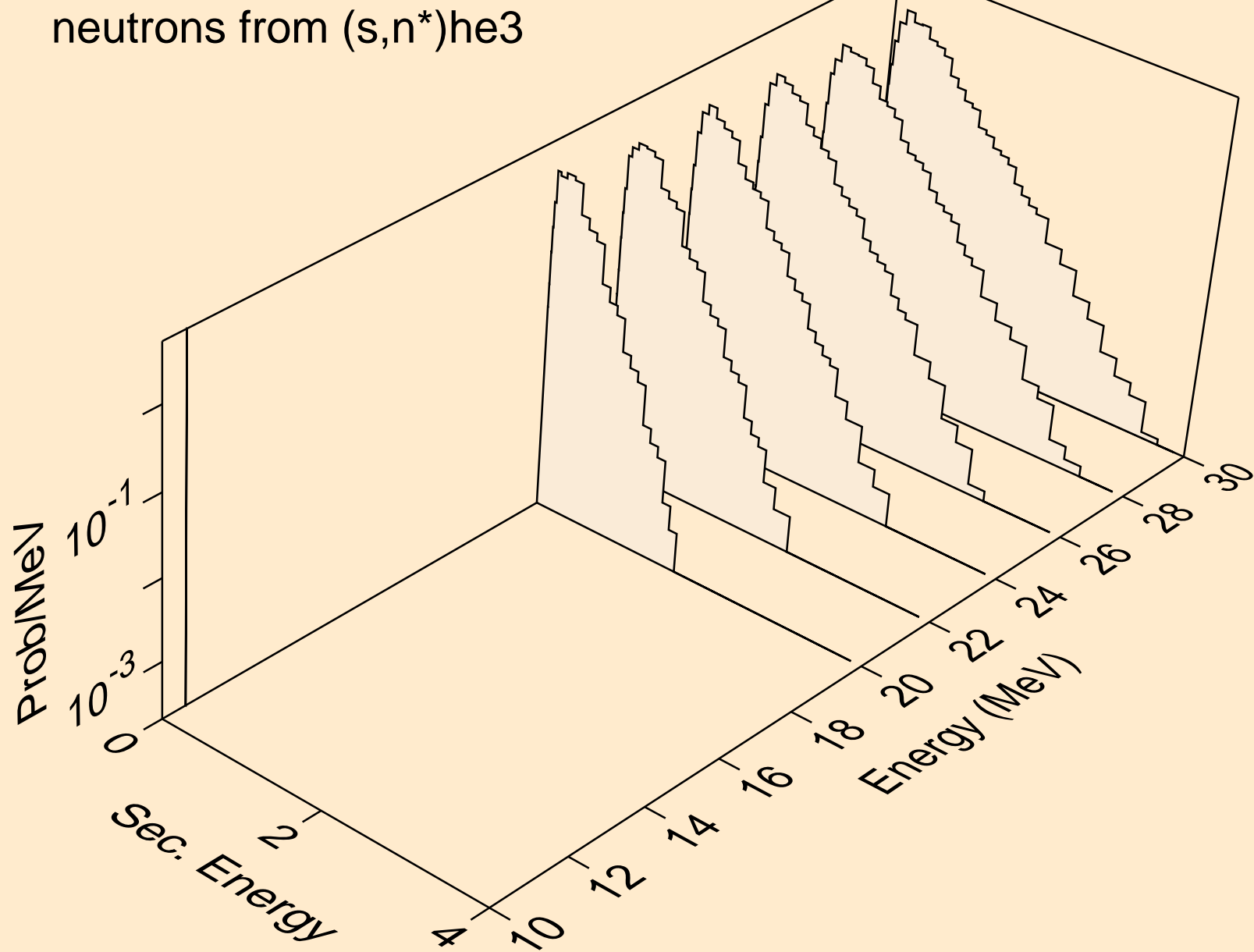




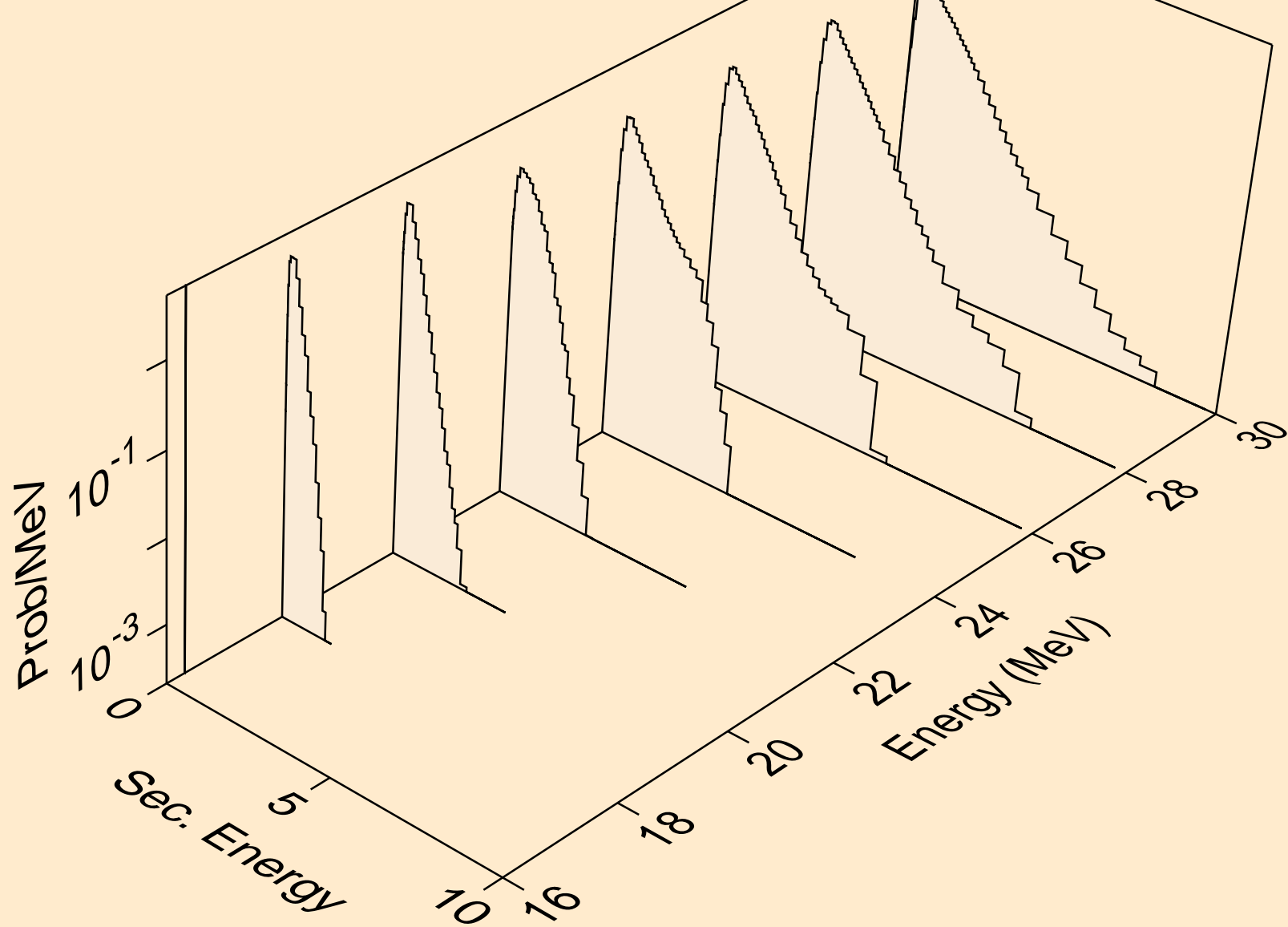
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)t



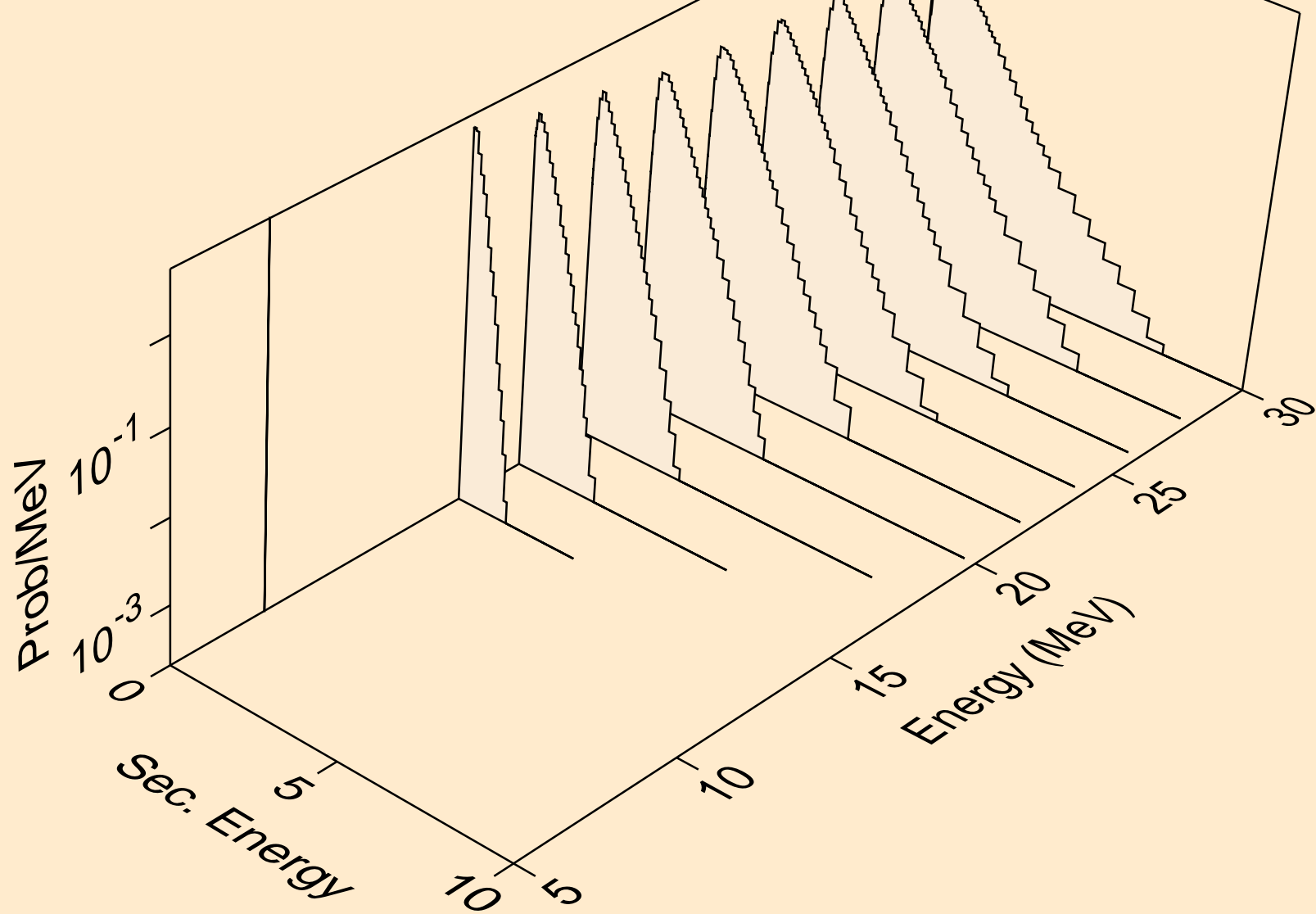
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)he3



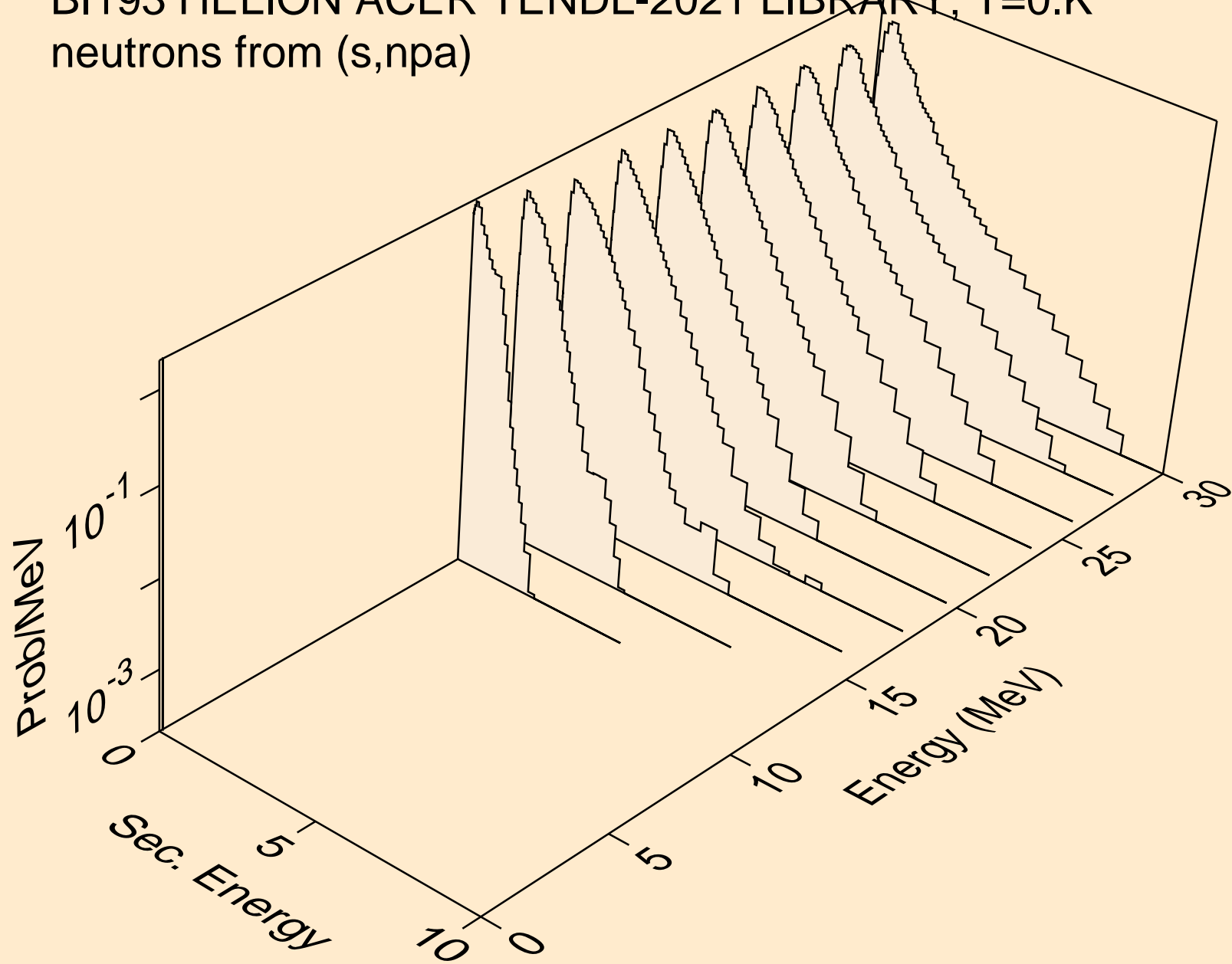
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2np)



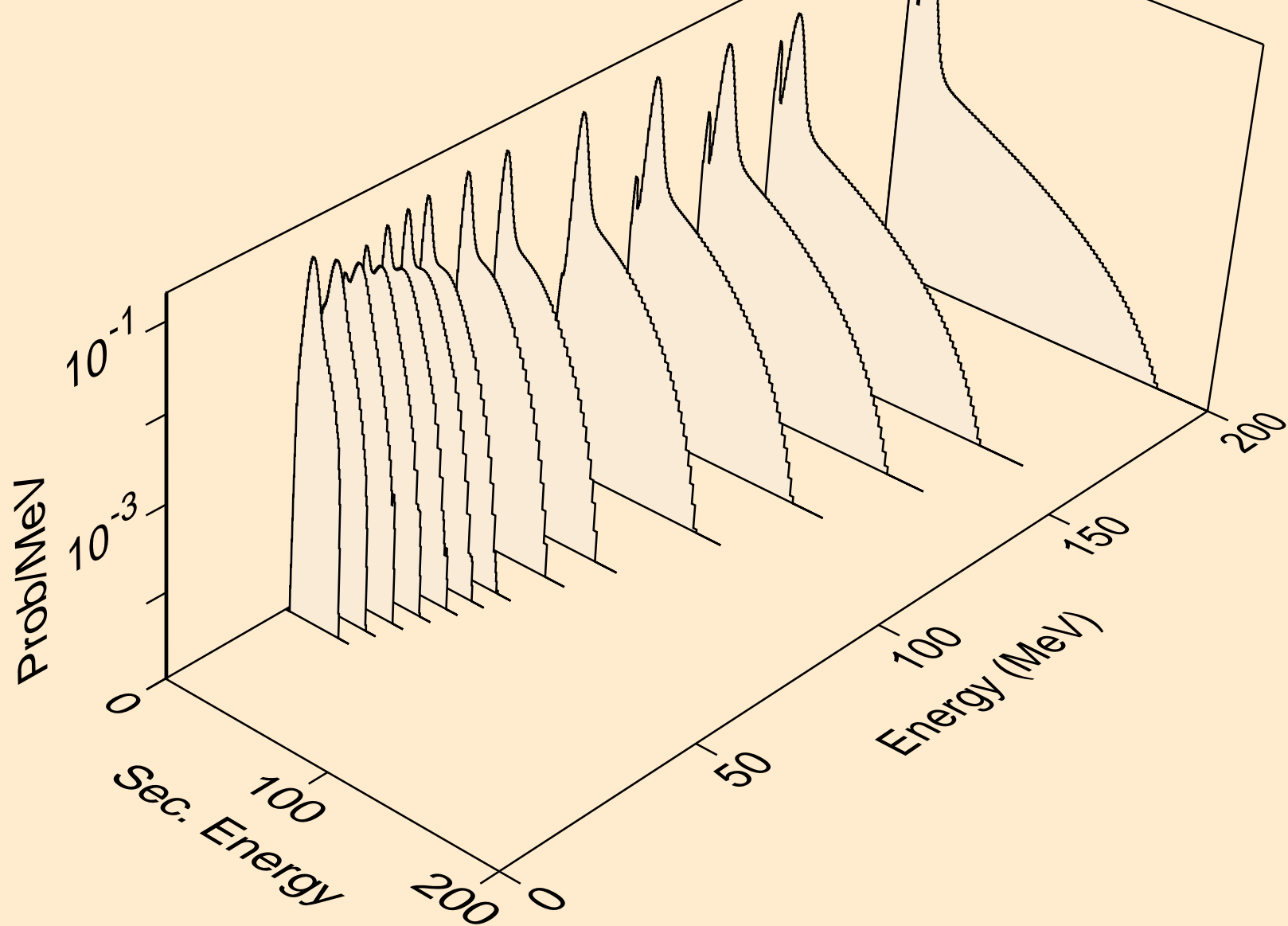
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neutrons from (s,2np)



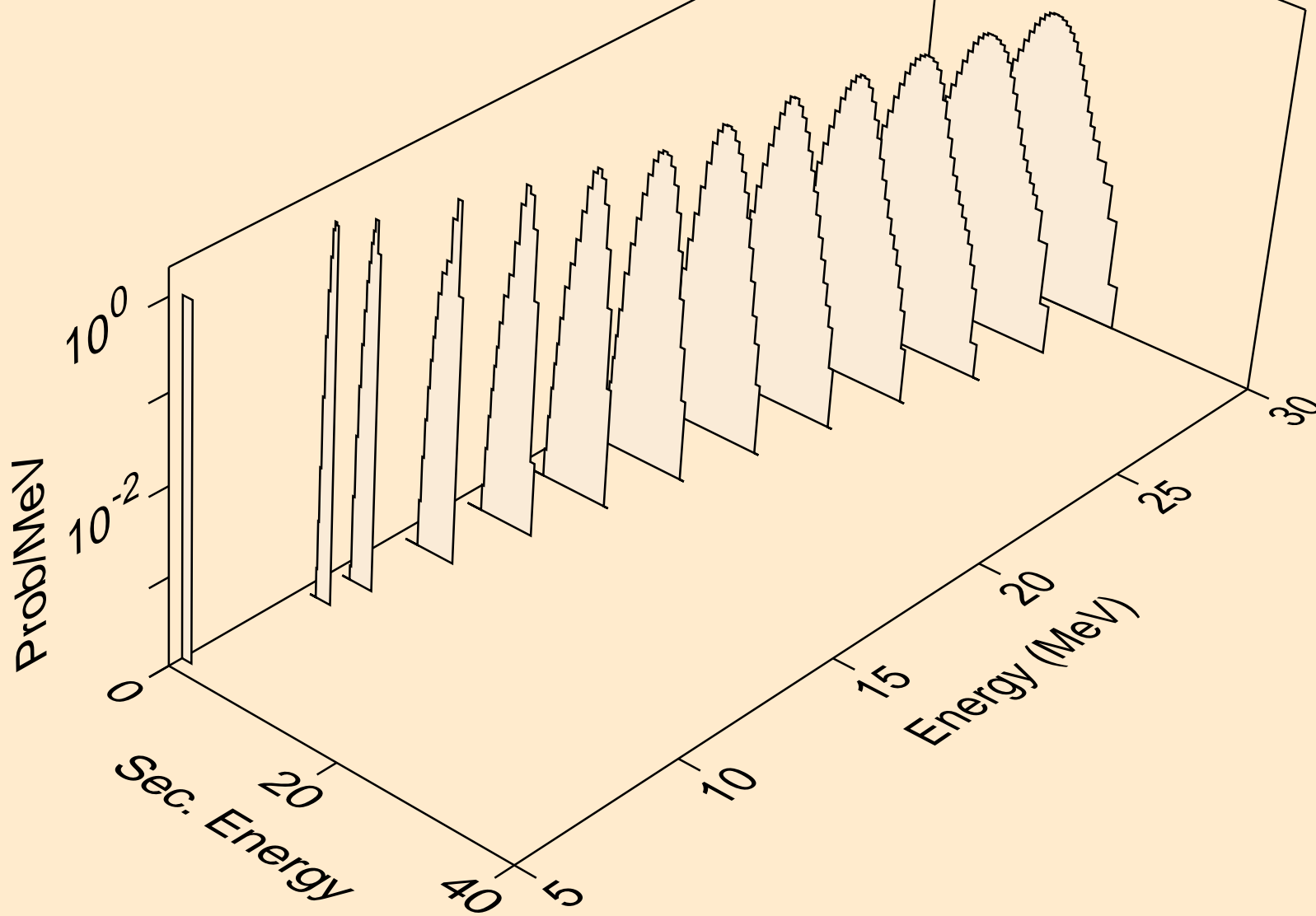
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neutrons from (s,npa)



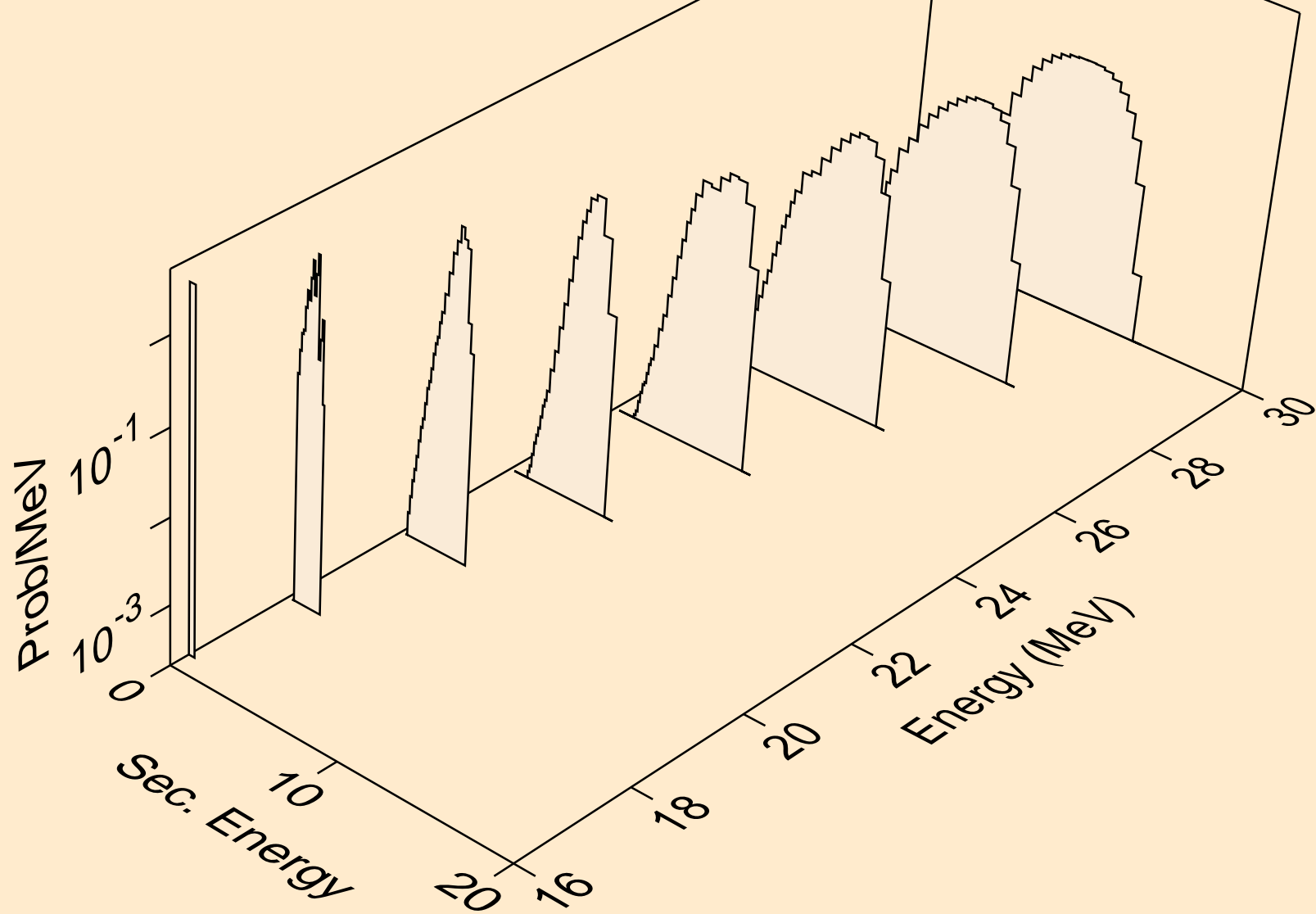
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,x)



BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,n\*)p

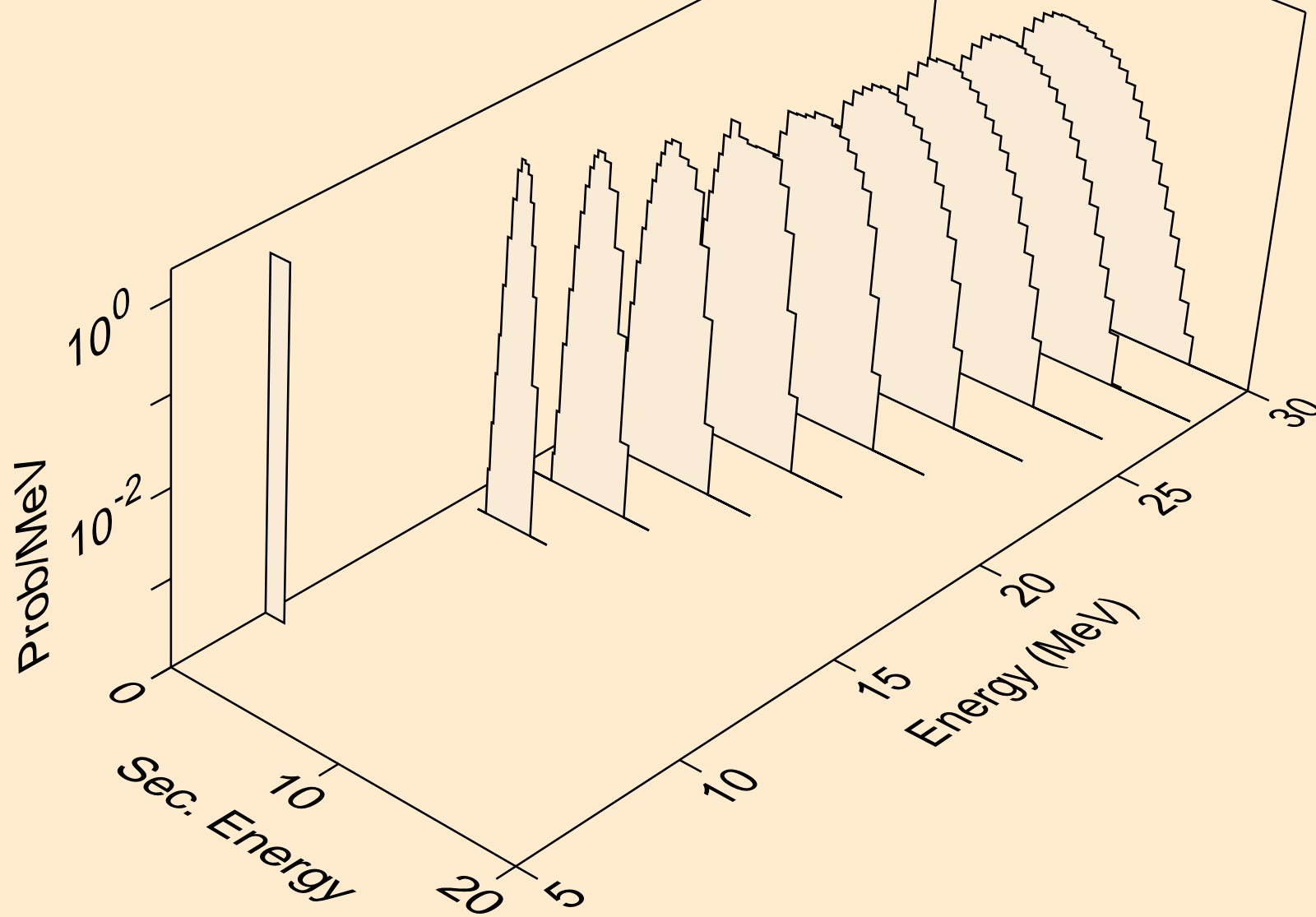


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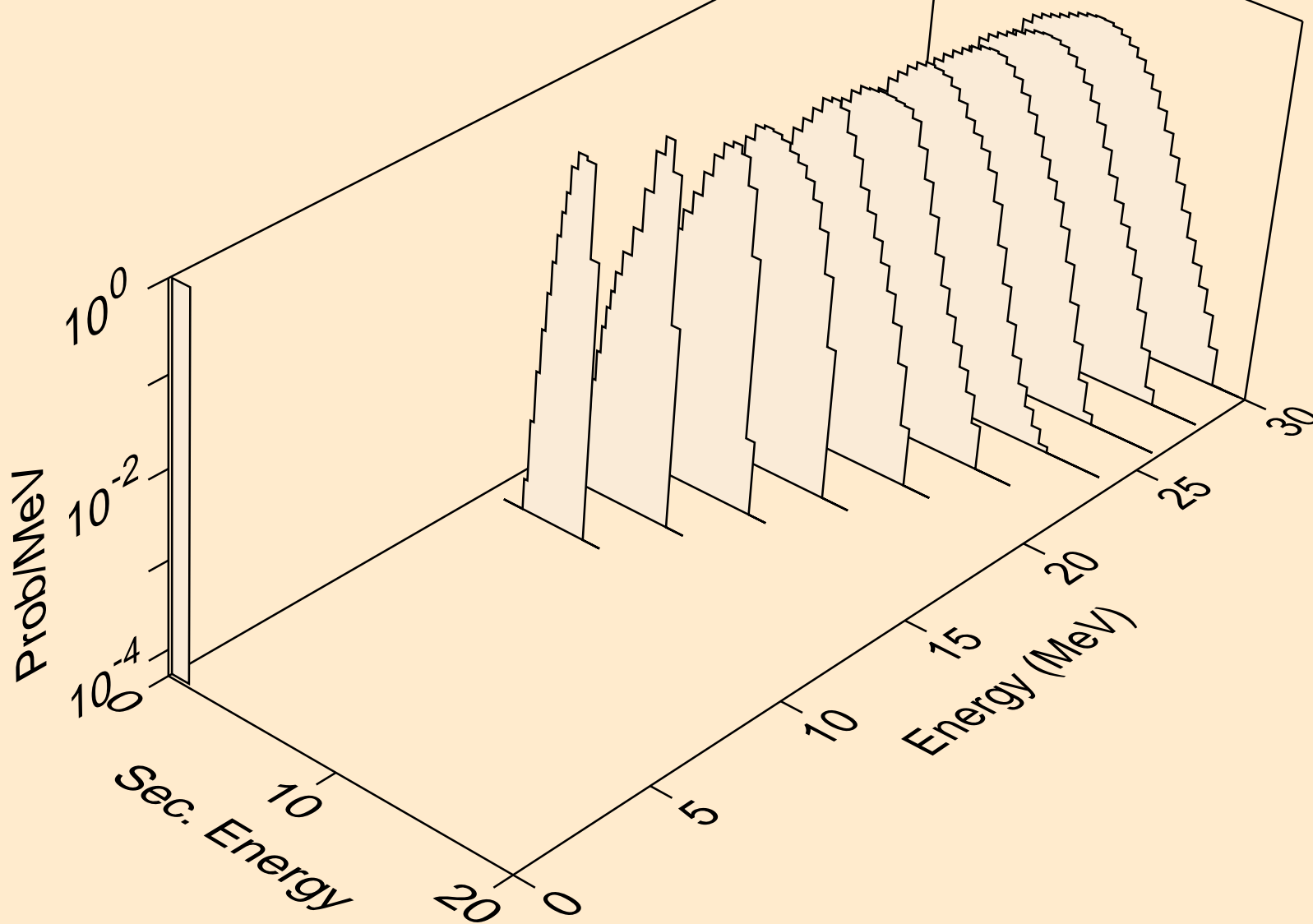




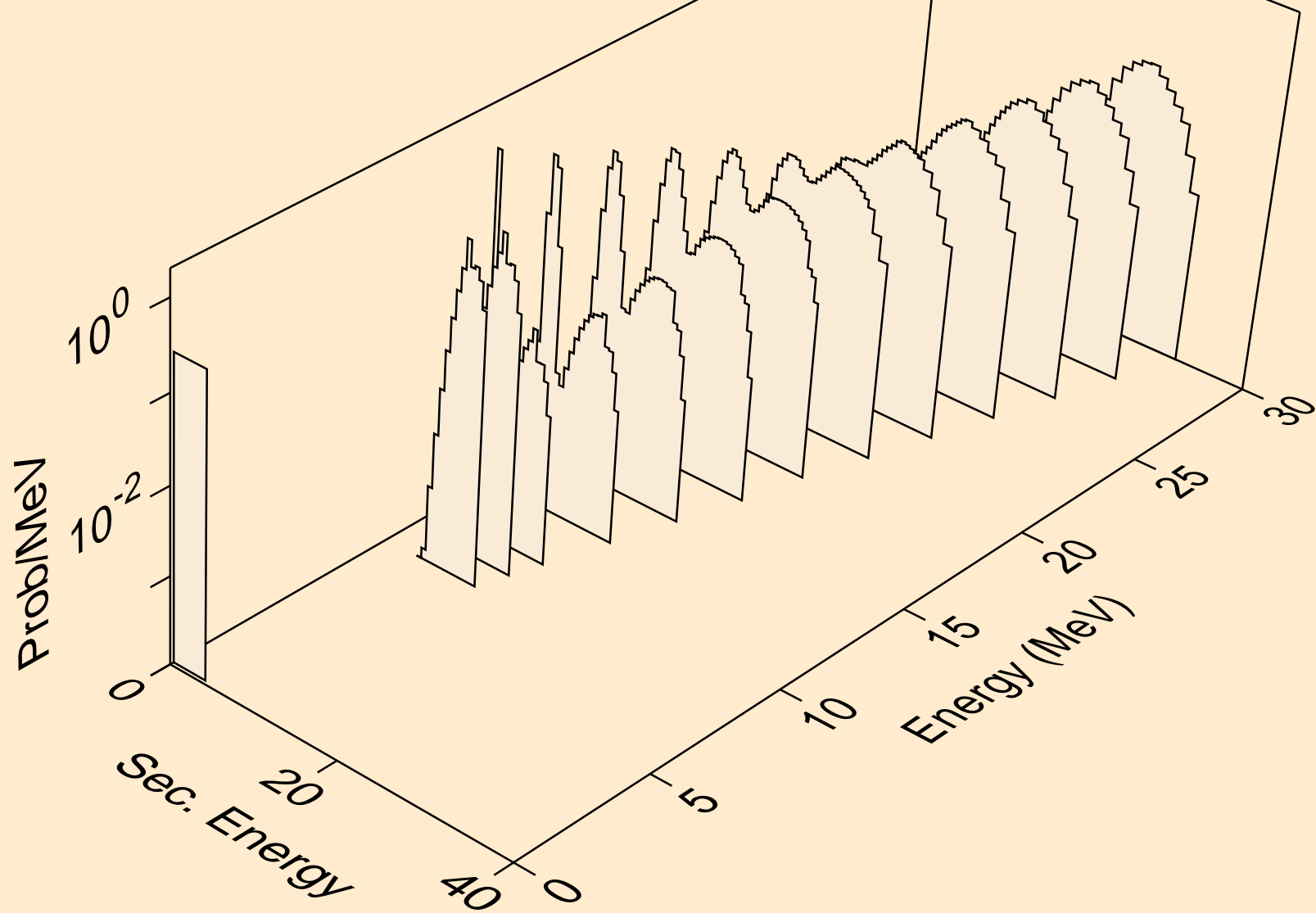
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protons from (s,2np)



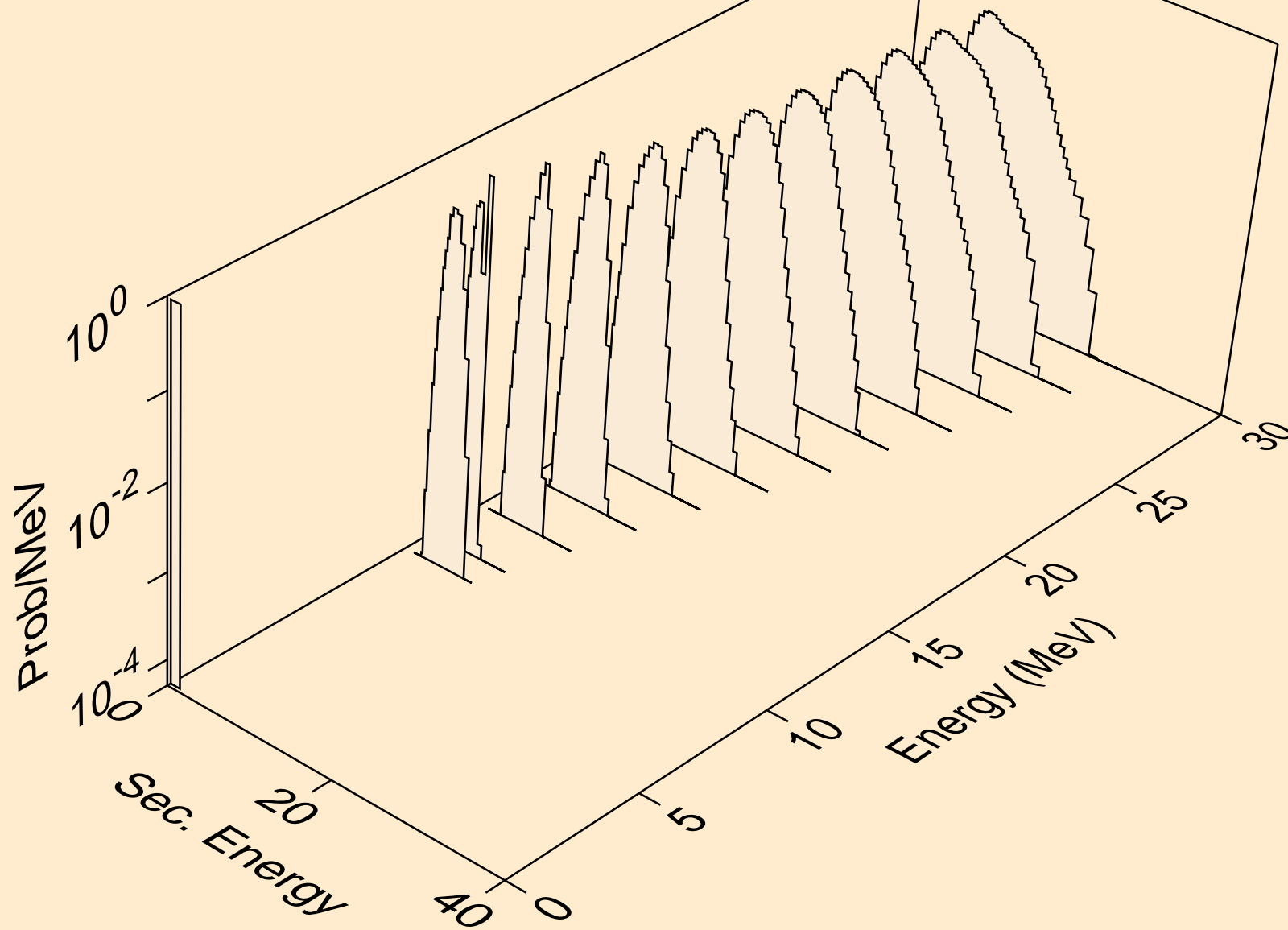
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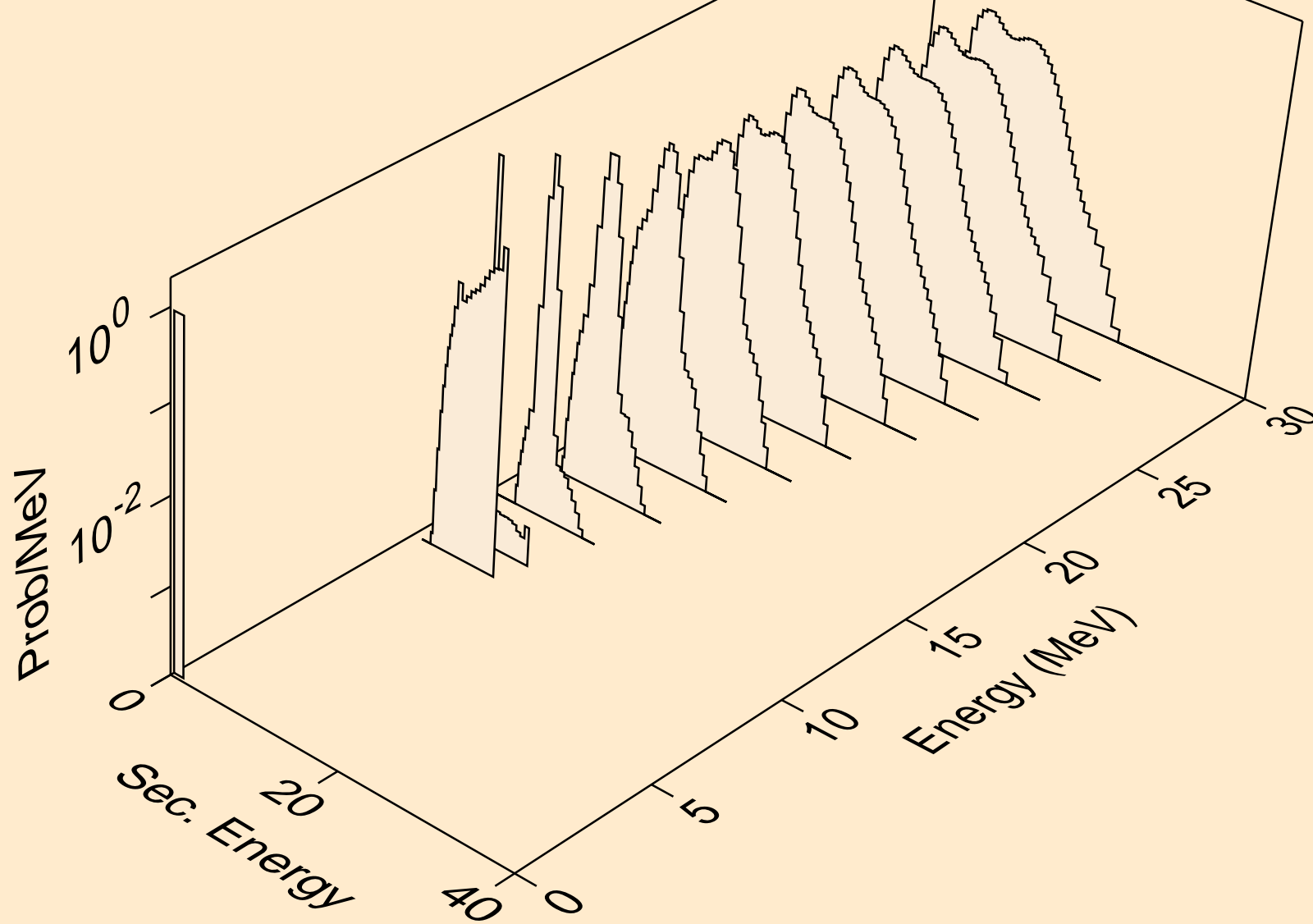
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protons from (s,p)



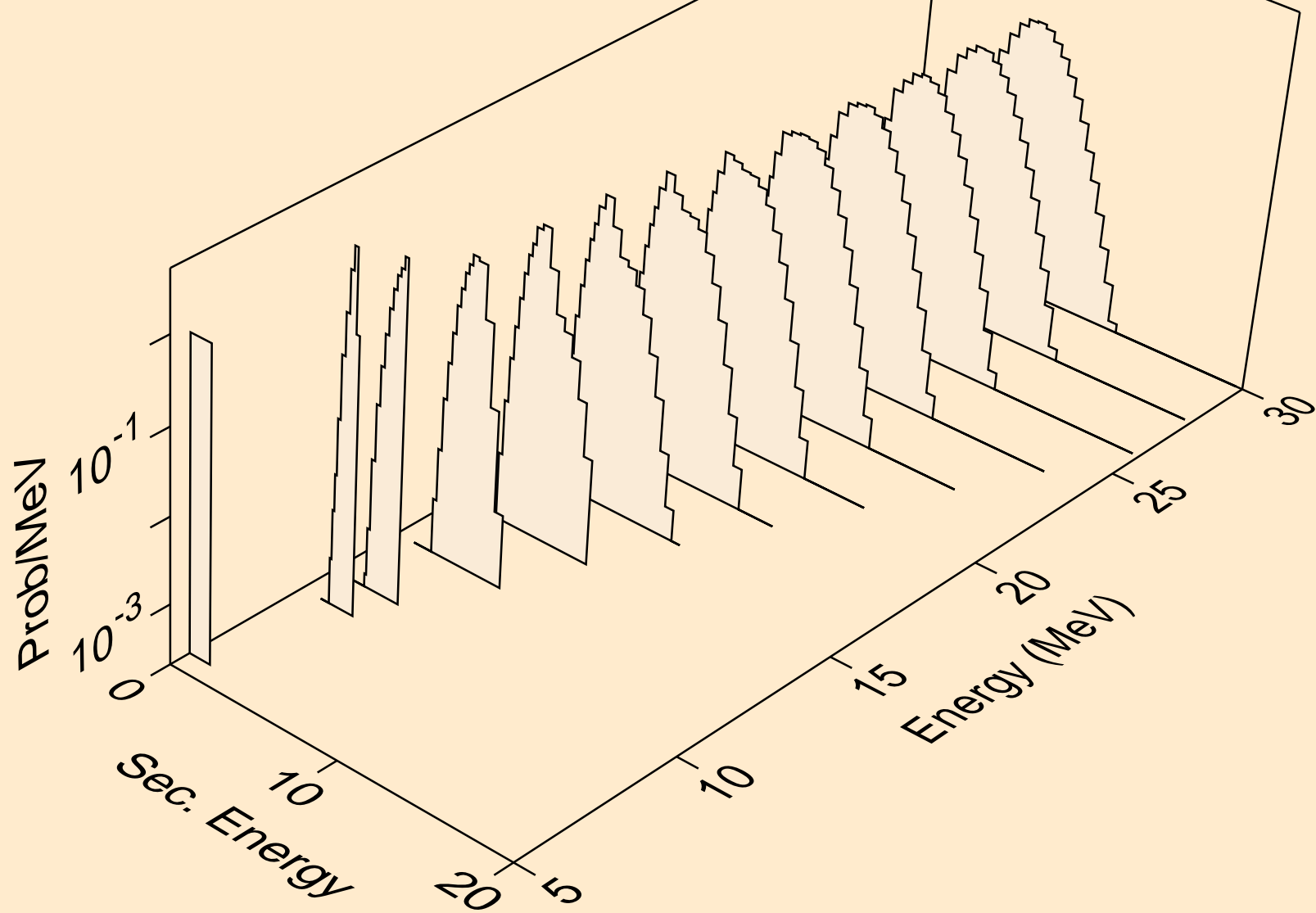
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,2p)



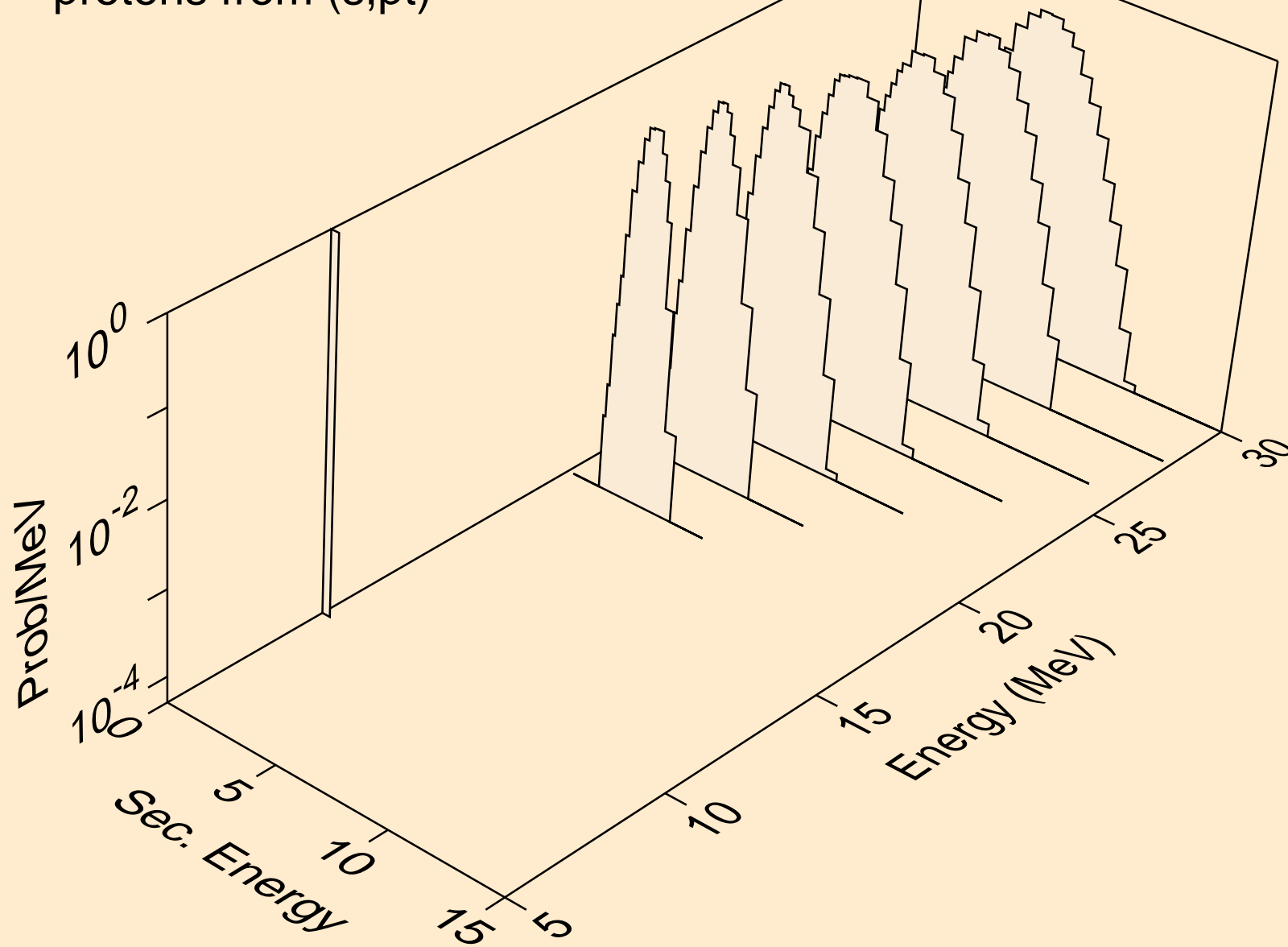
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,pa)



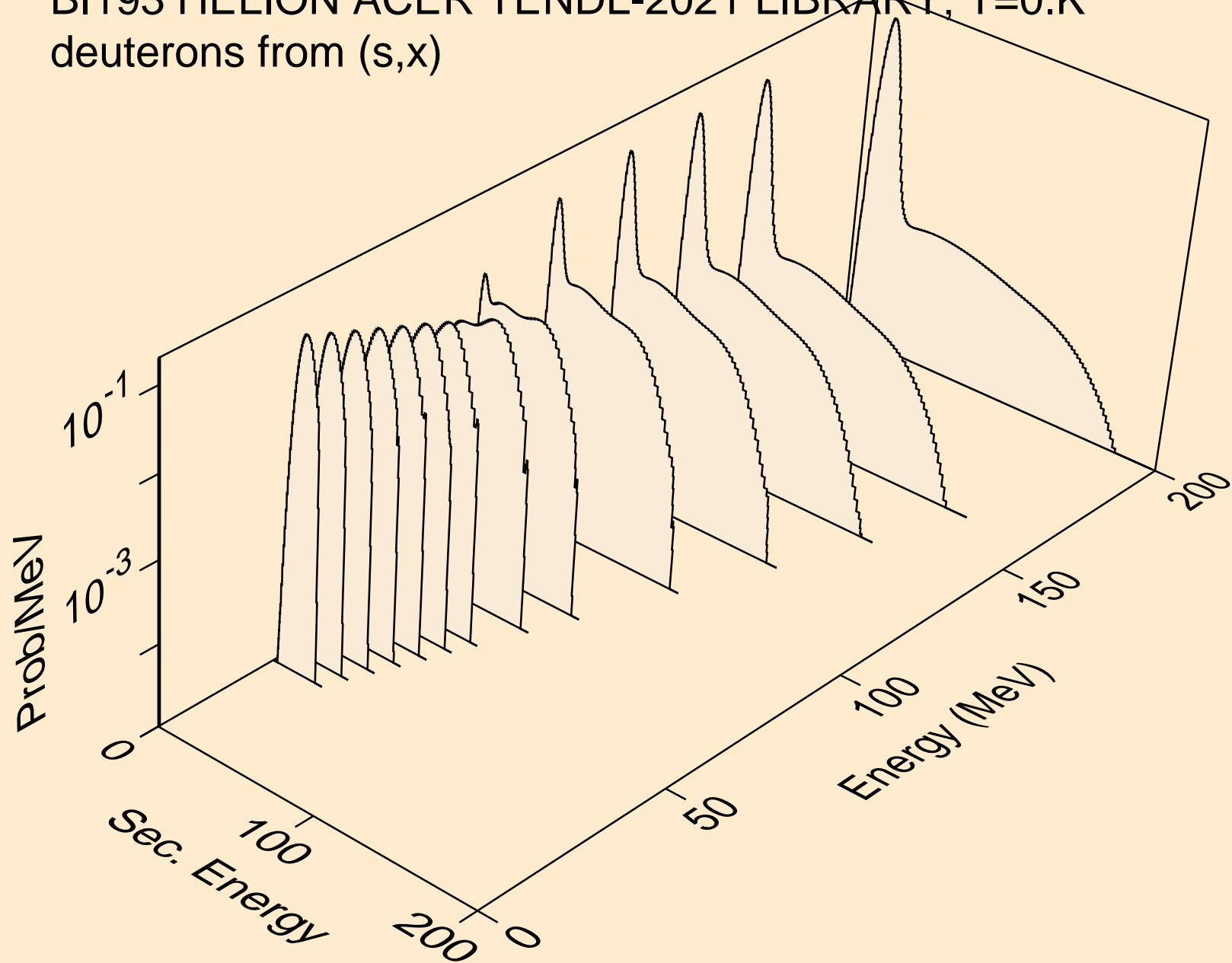
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,pd)



BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,pt)

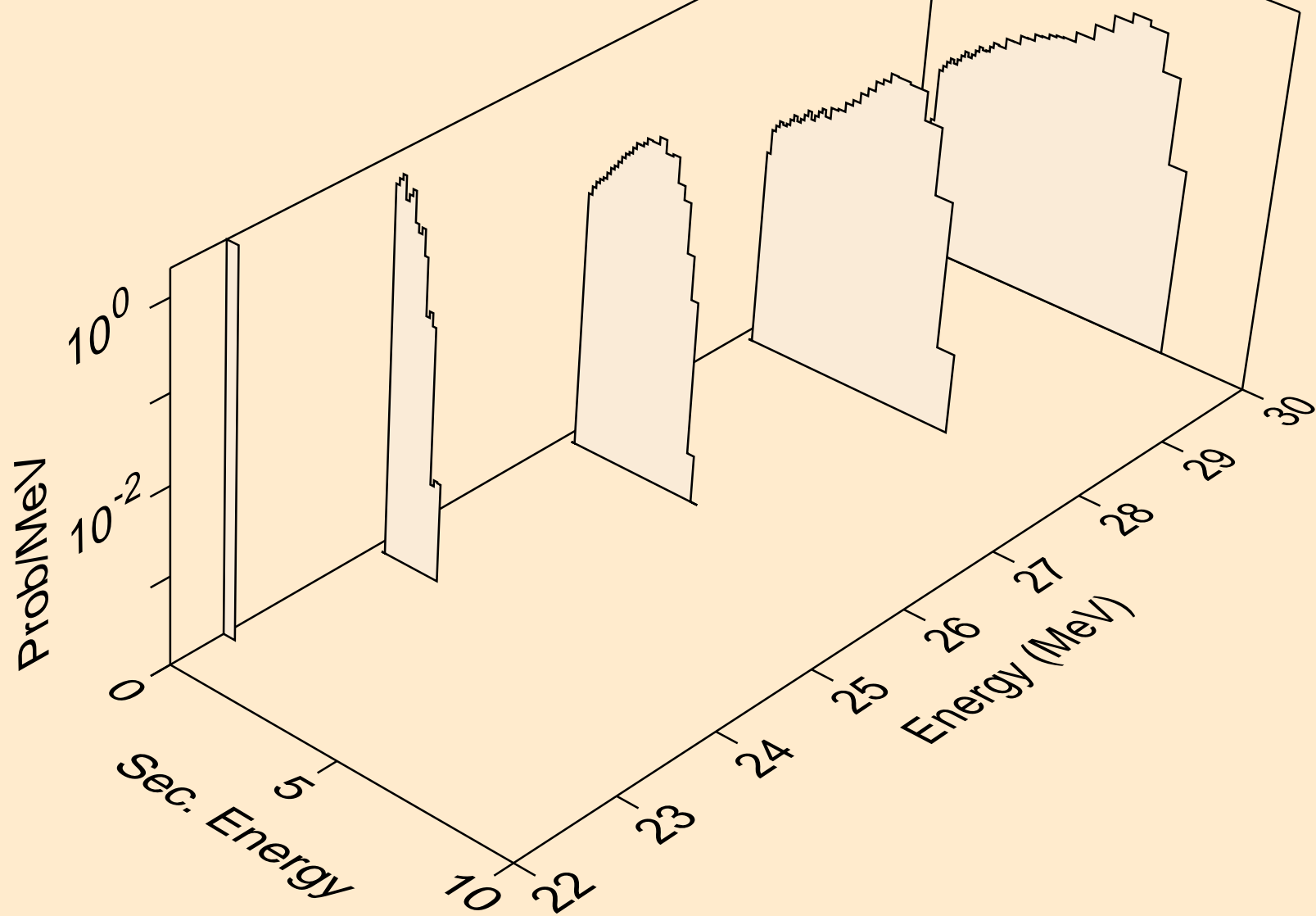


BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,x)

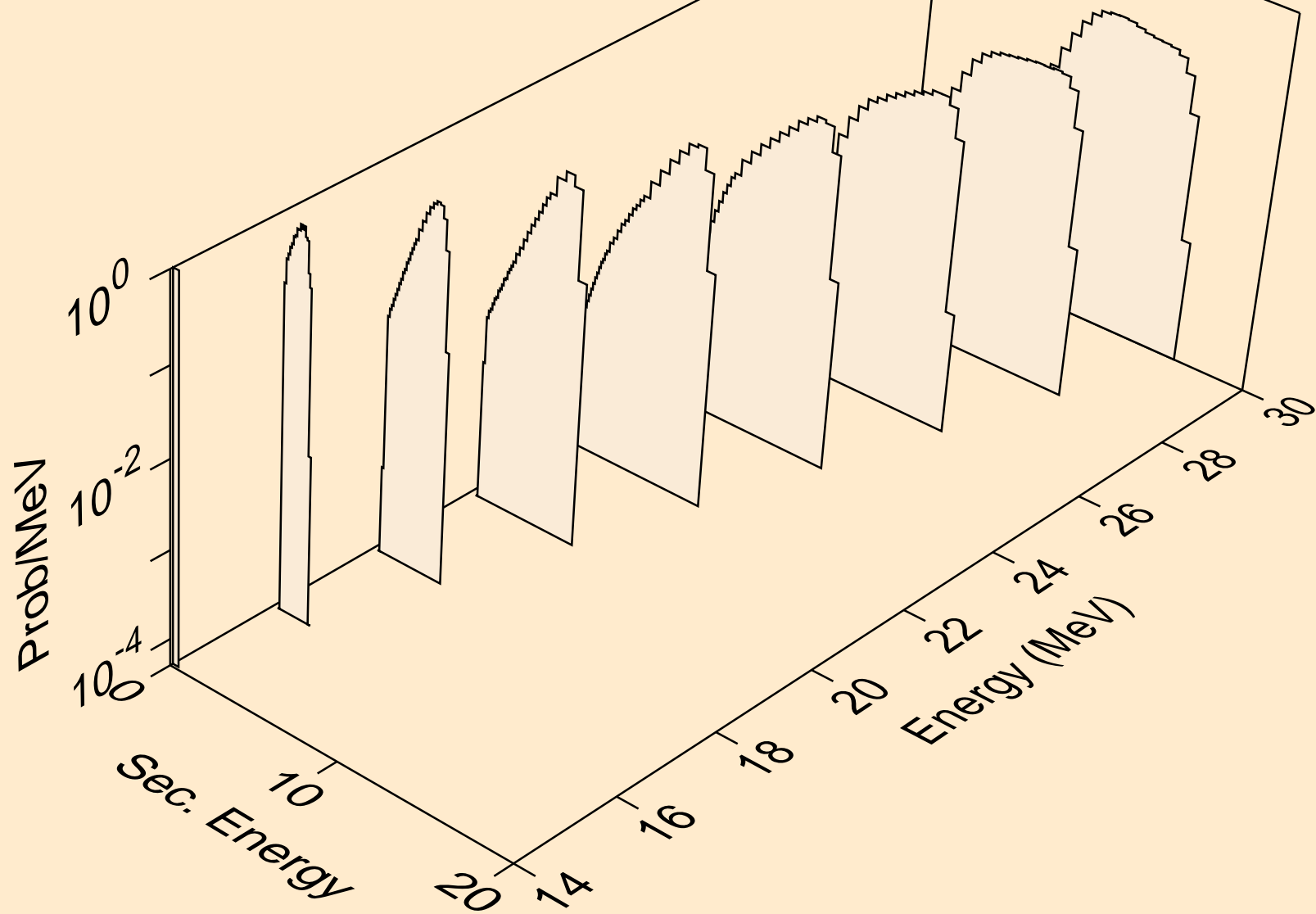




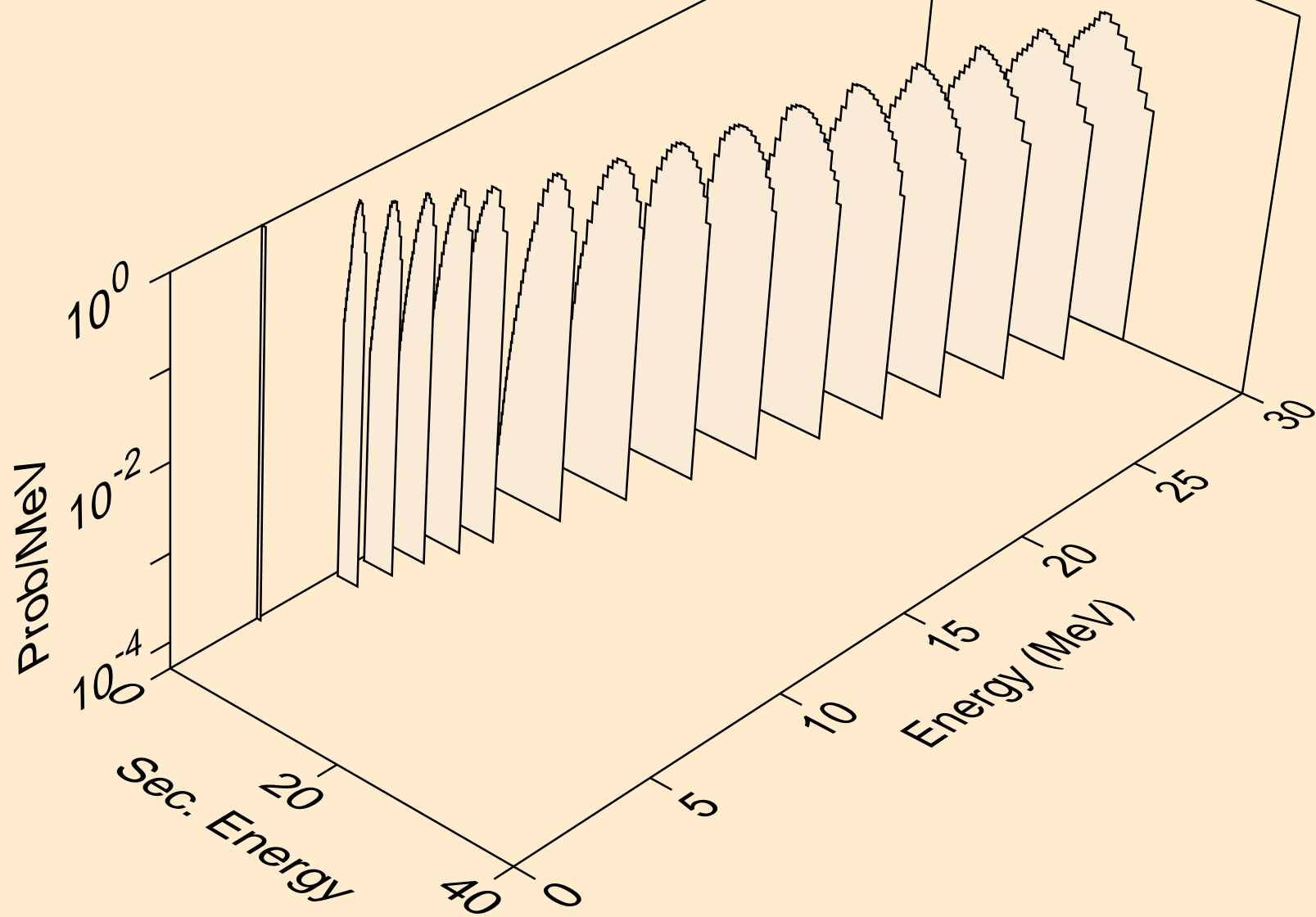
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,2nd)



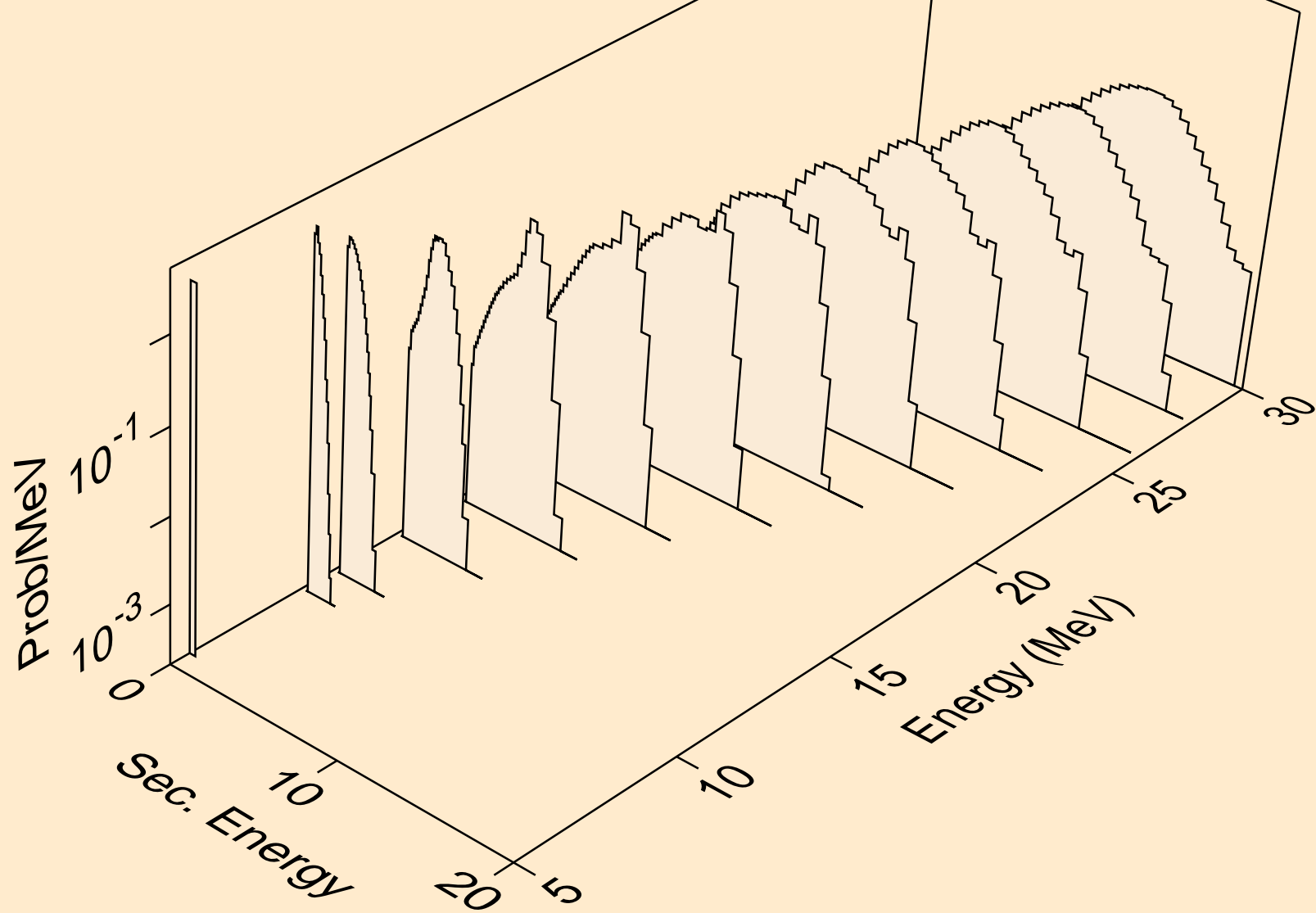
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deuterons from (s,n\*)d



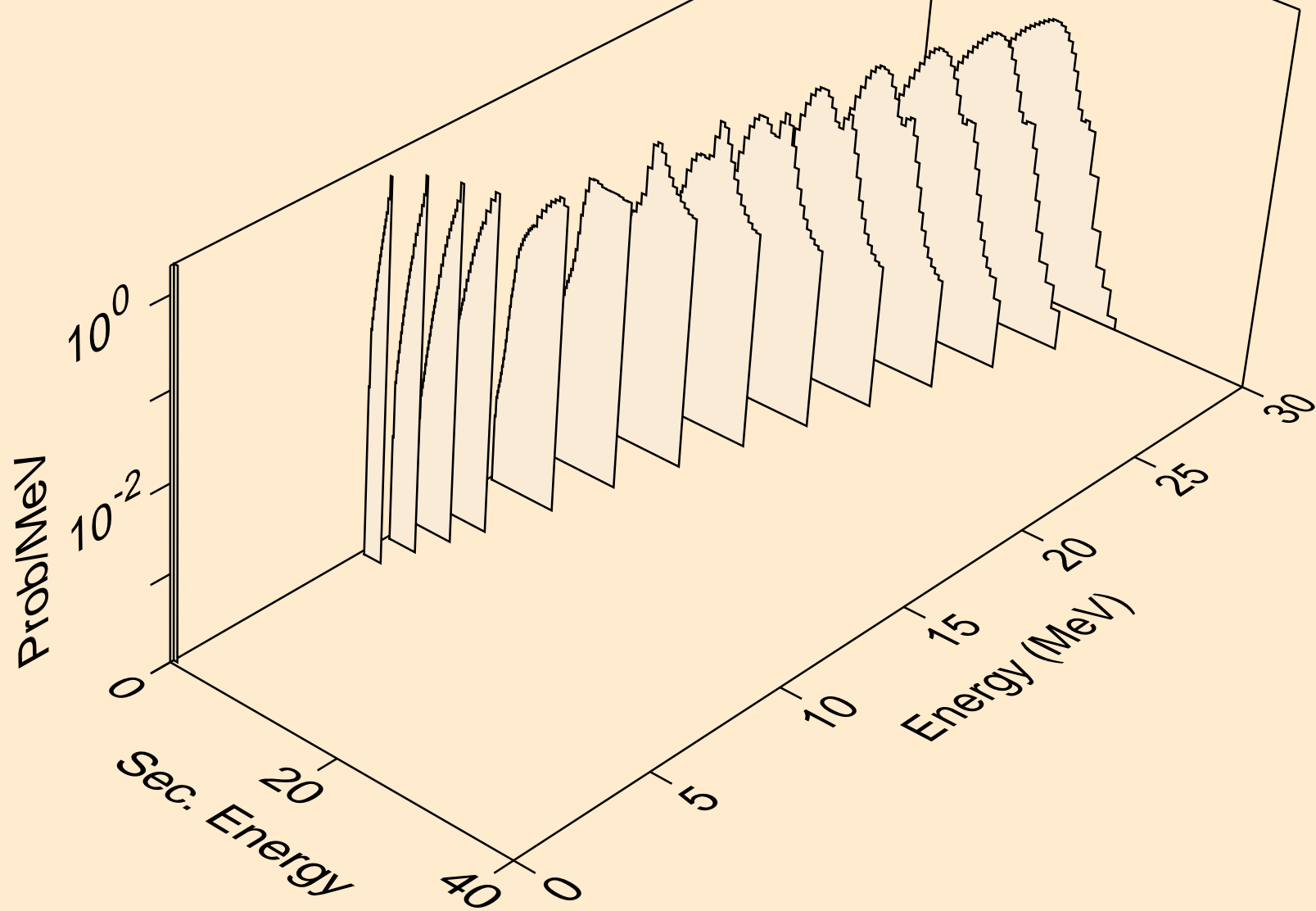
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deuterons from (s,d)



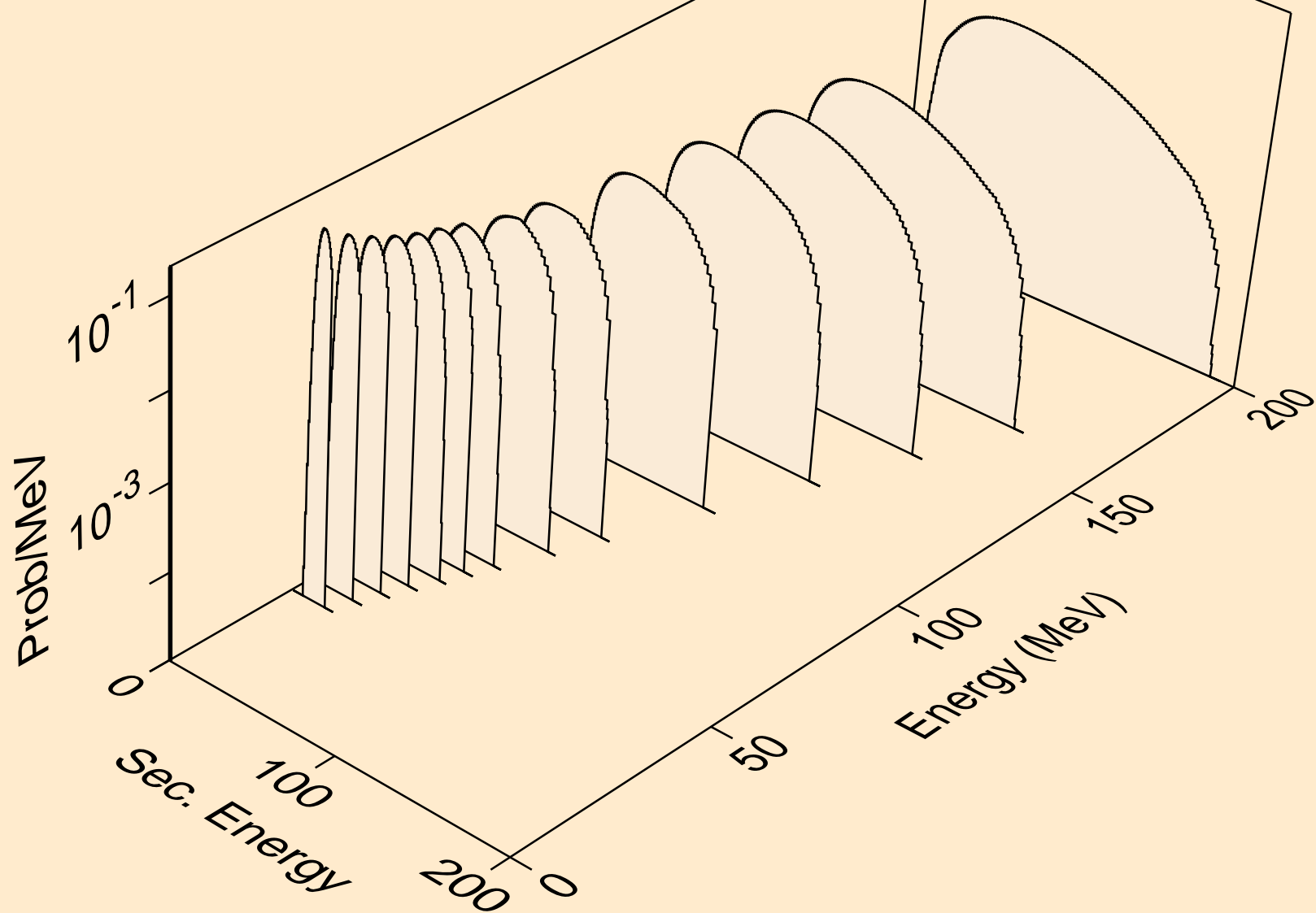
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
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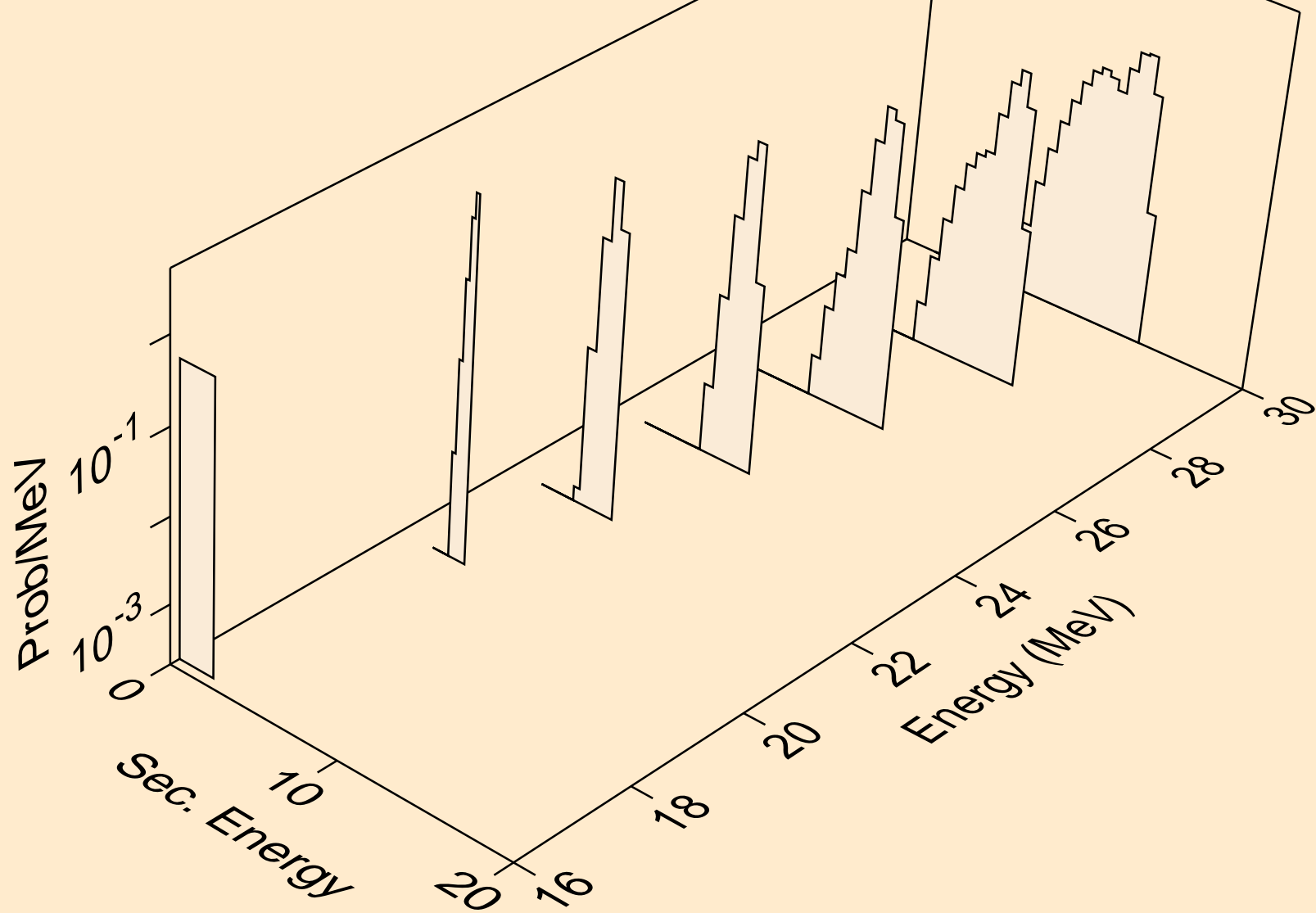
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,da)



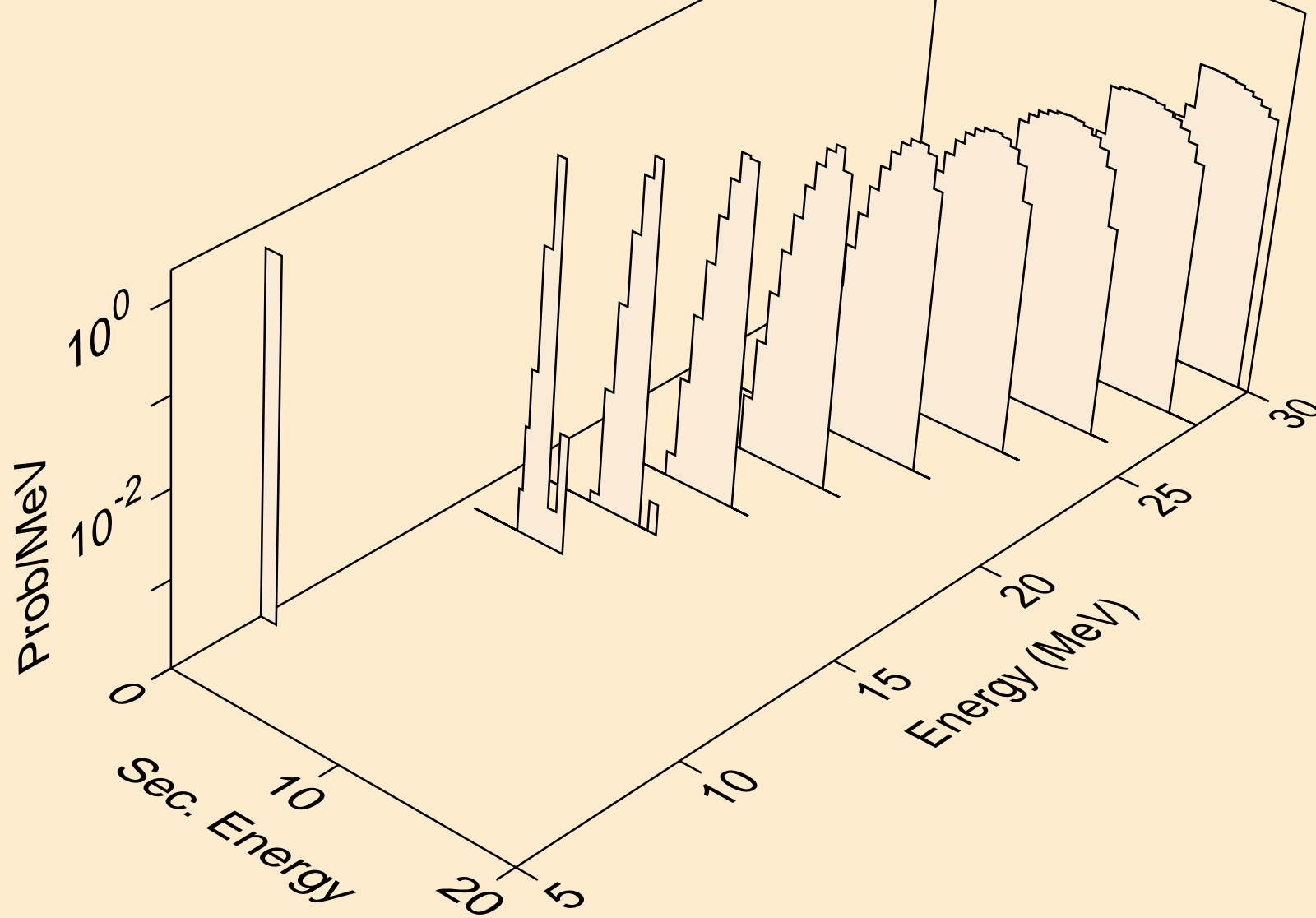
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,x)



BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,n\*)t

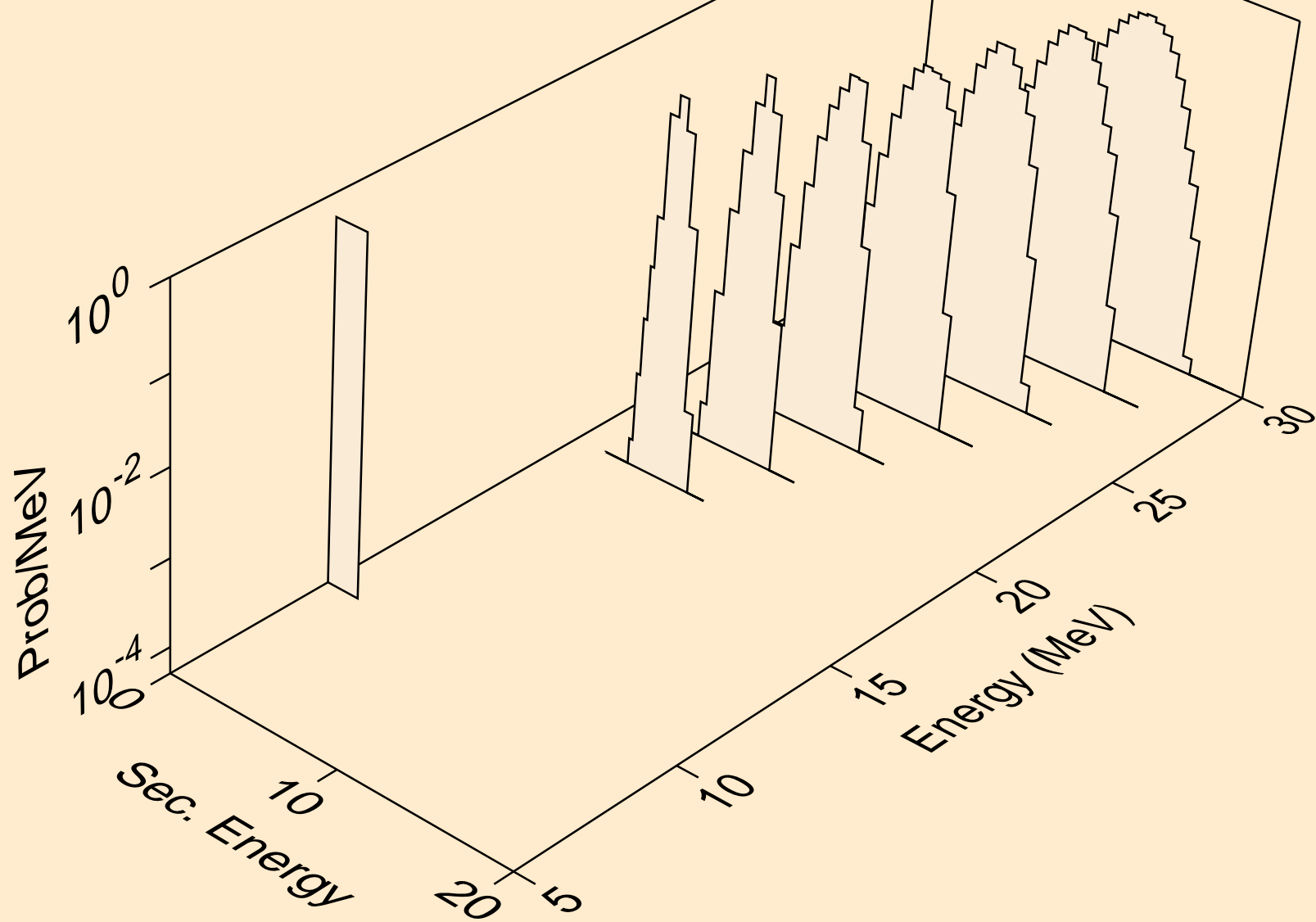


BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
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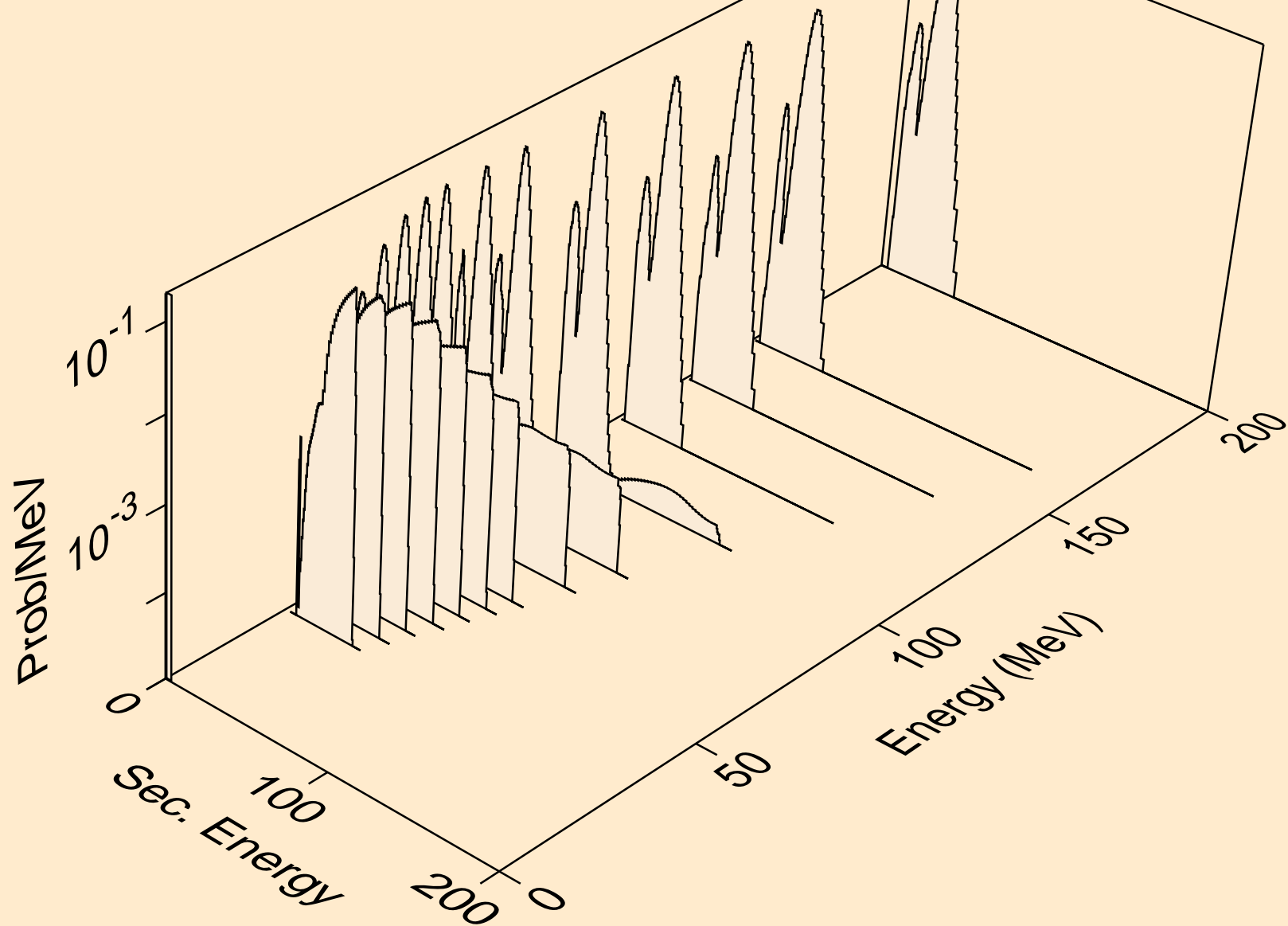




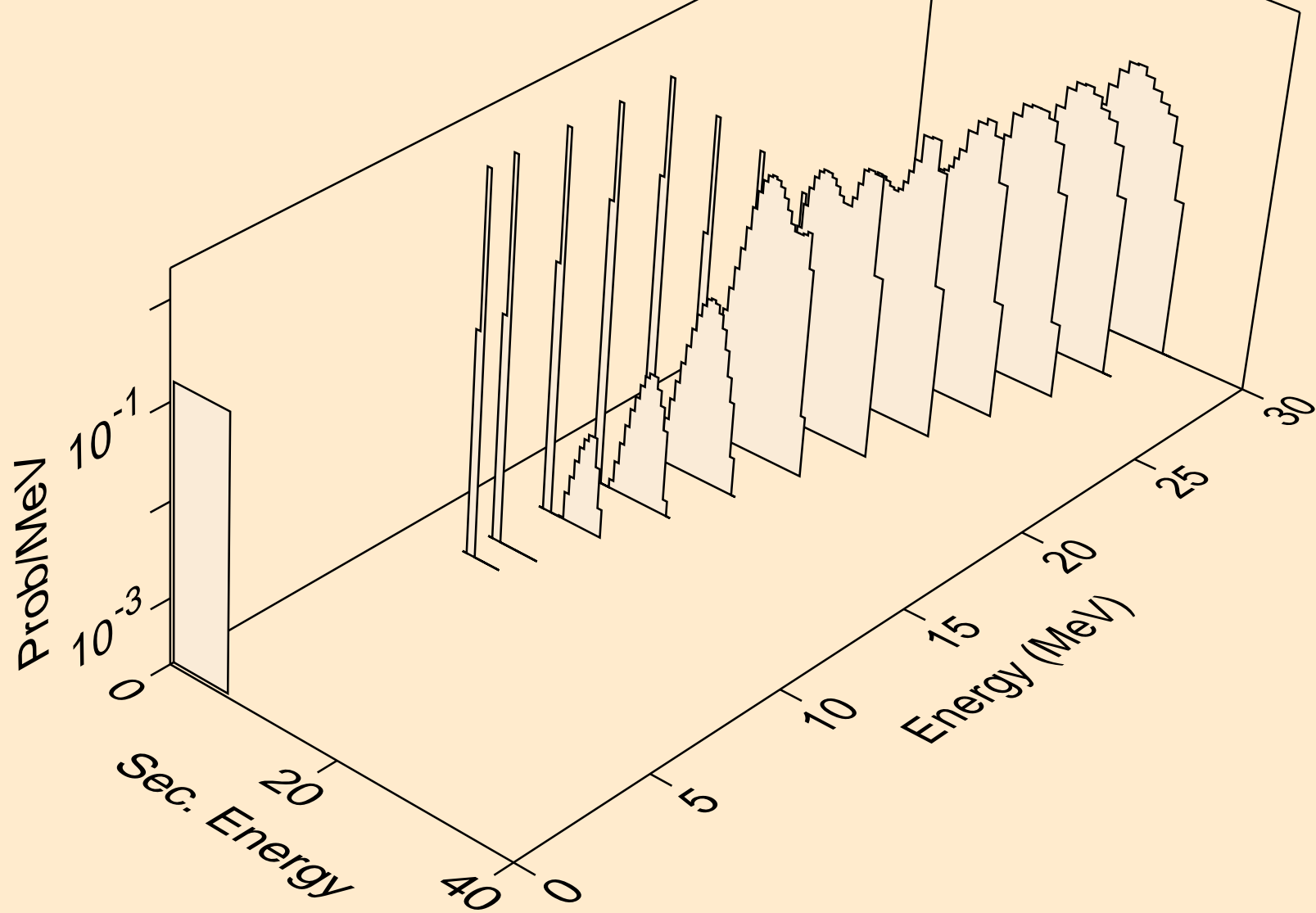
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,pt)



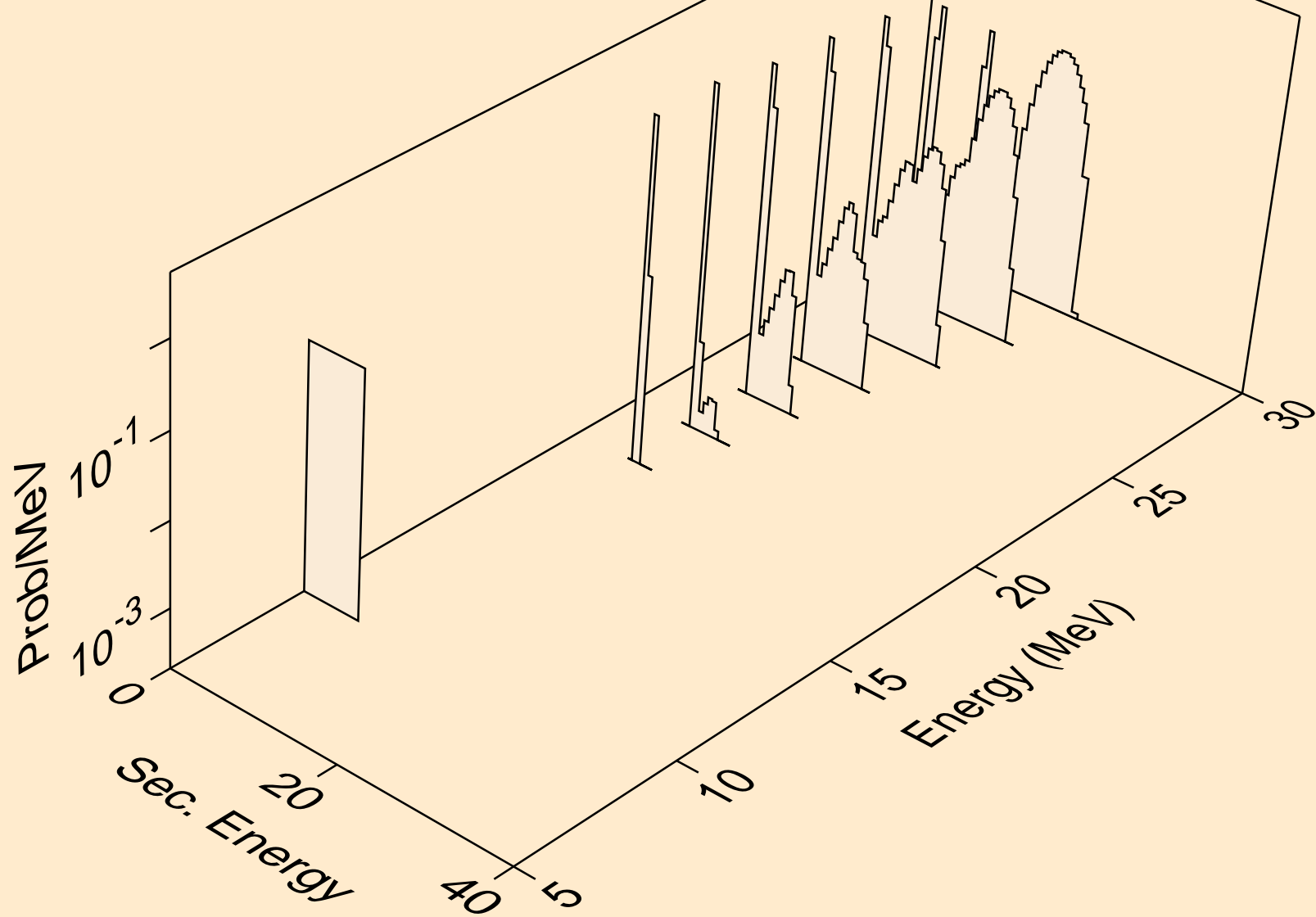
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,x)



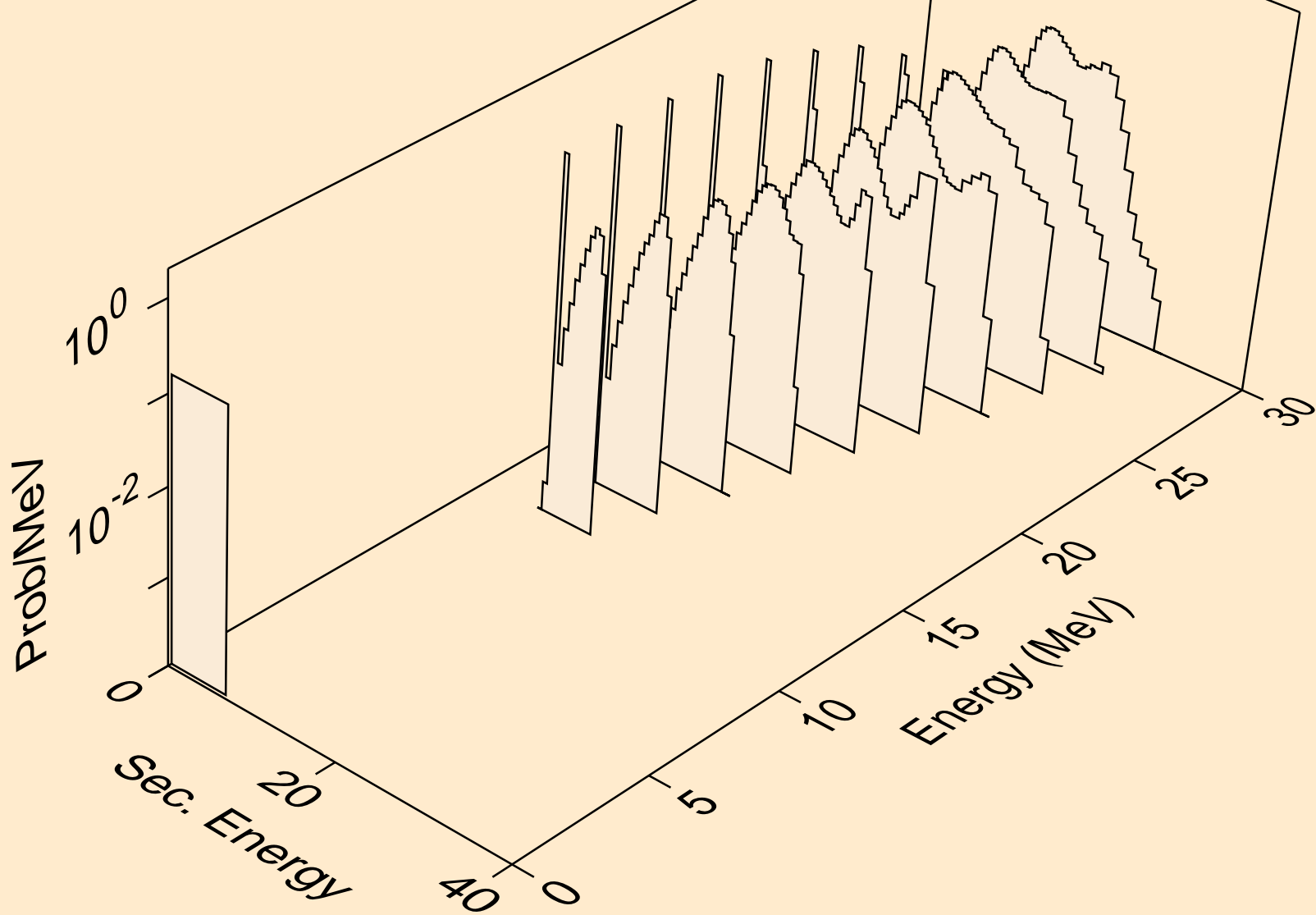
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,n\*)a



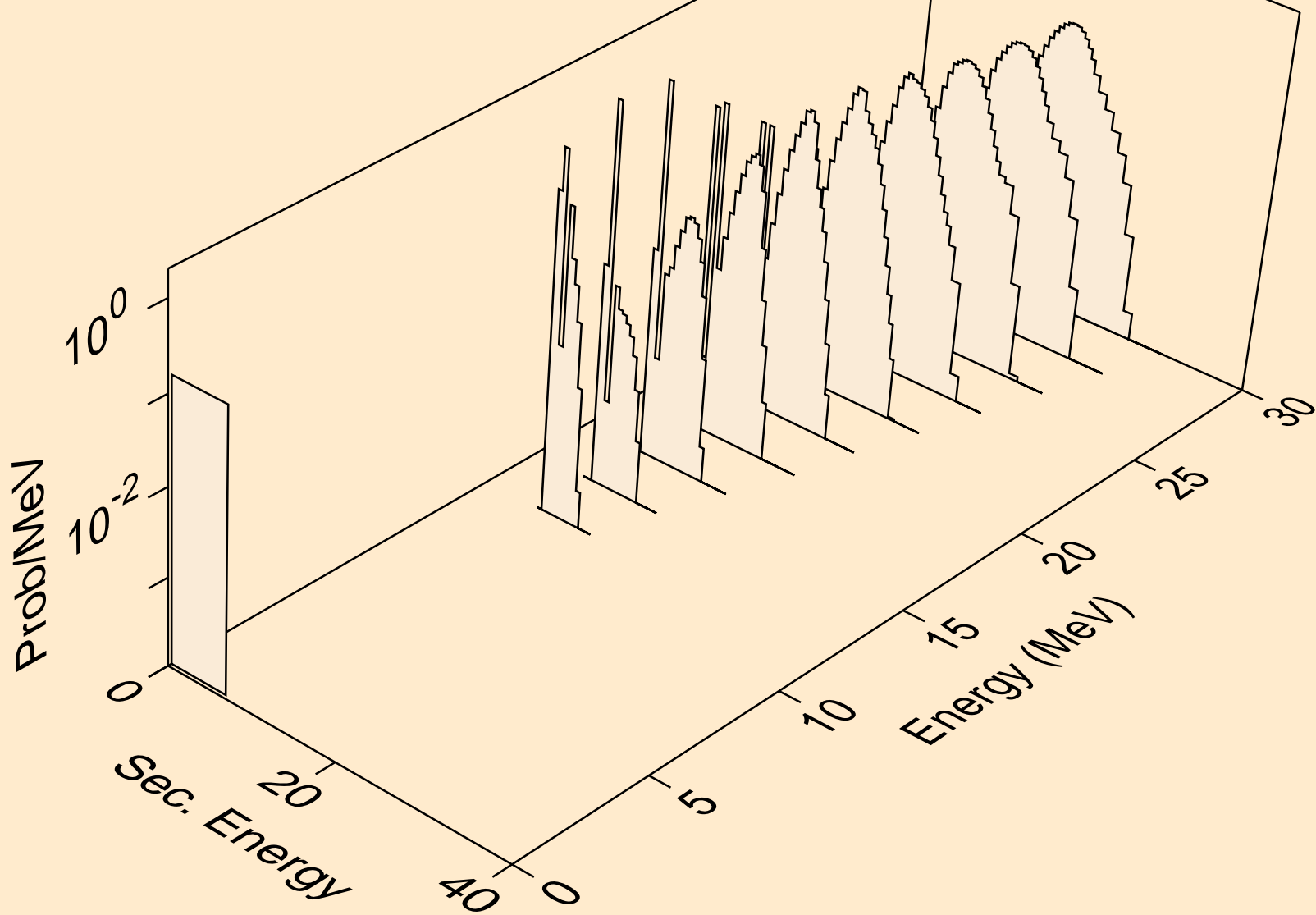
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,2n)a



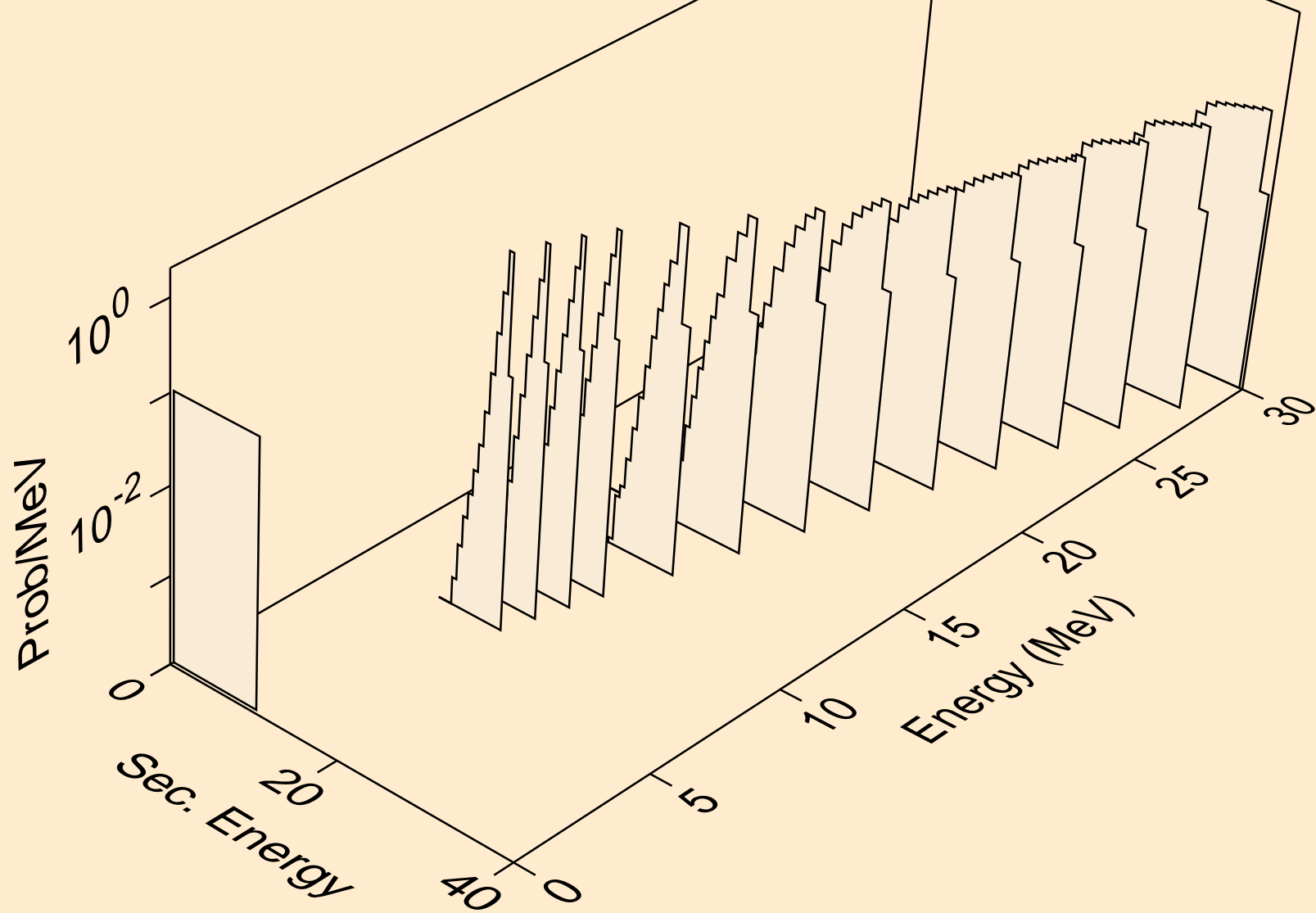
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,n\*)2a



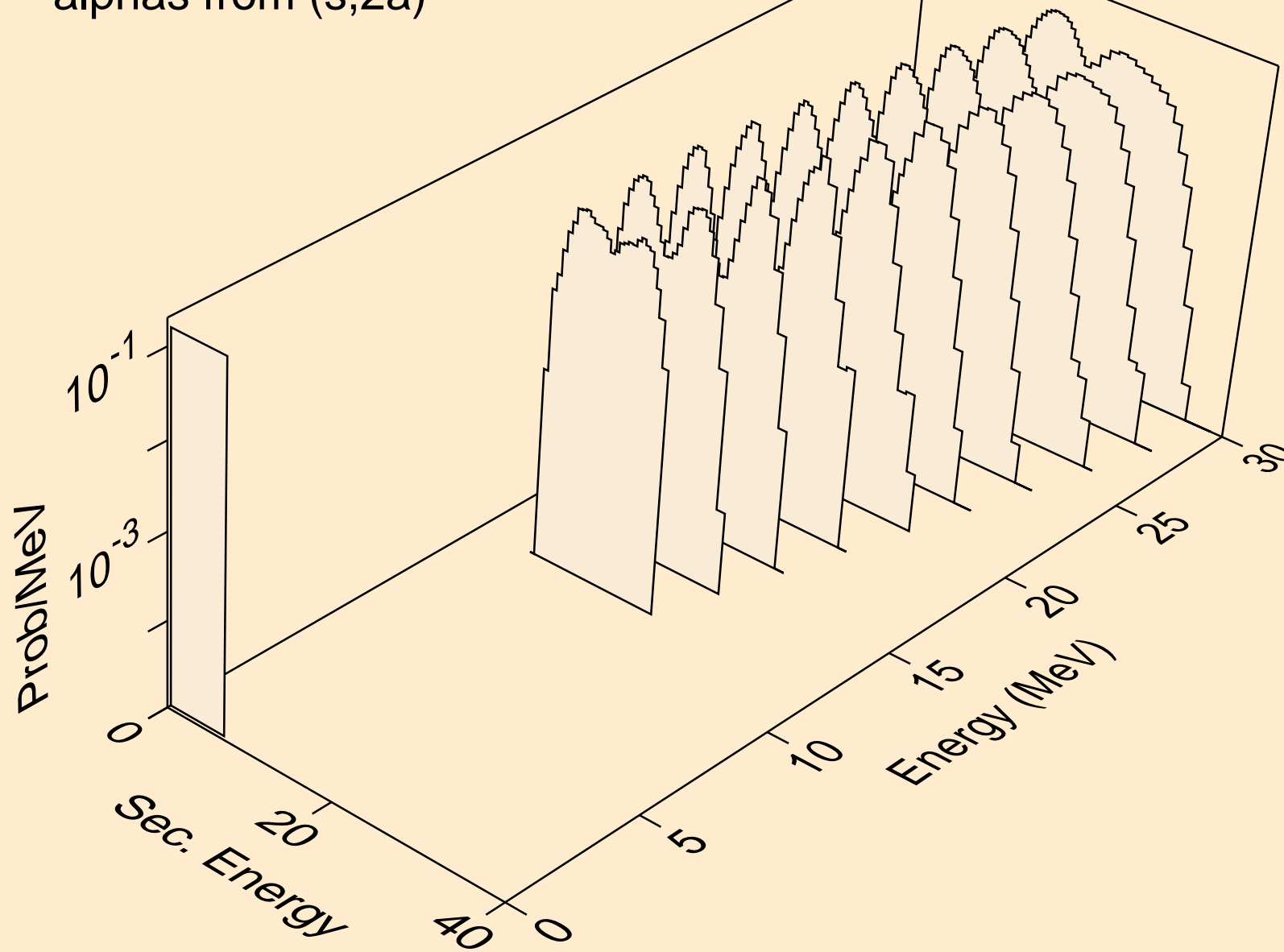
BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,npa)



BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,a)

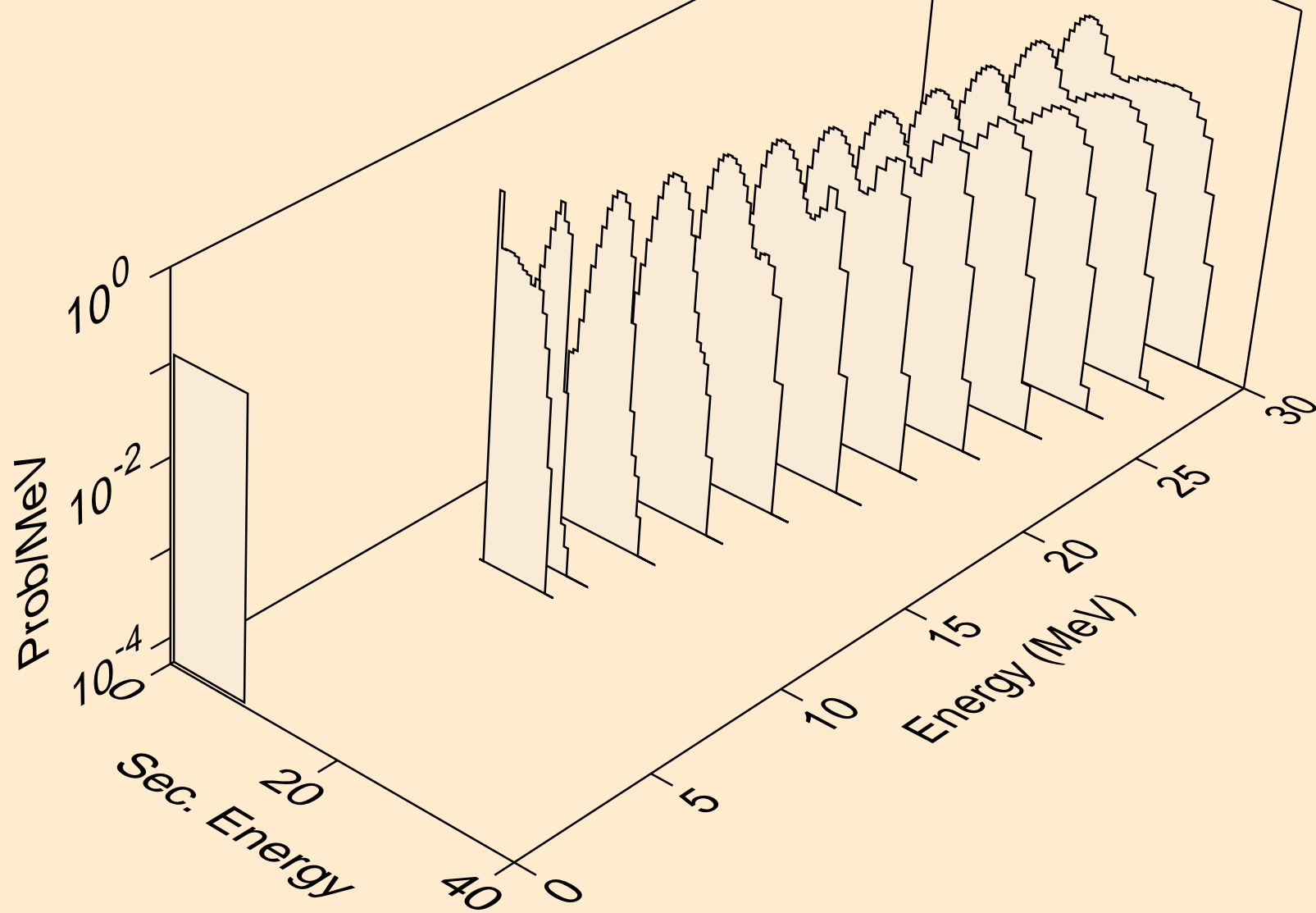


BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,2a)





BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,pa)



BI193 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,da)

