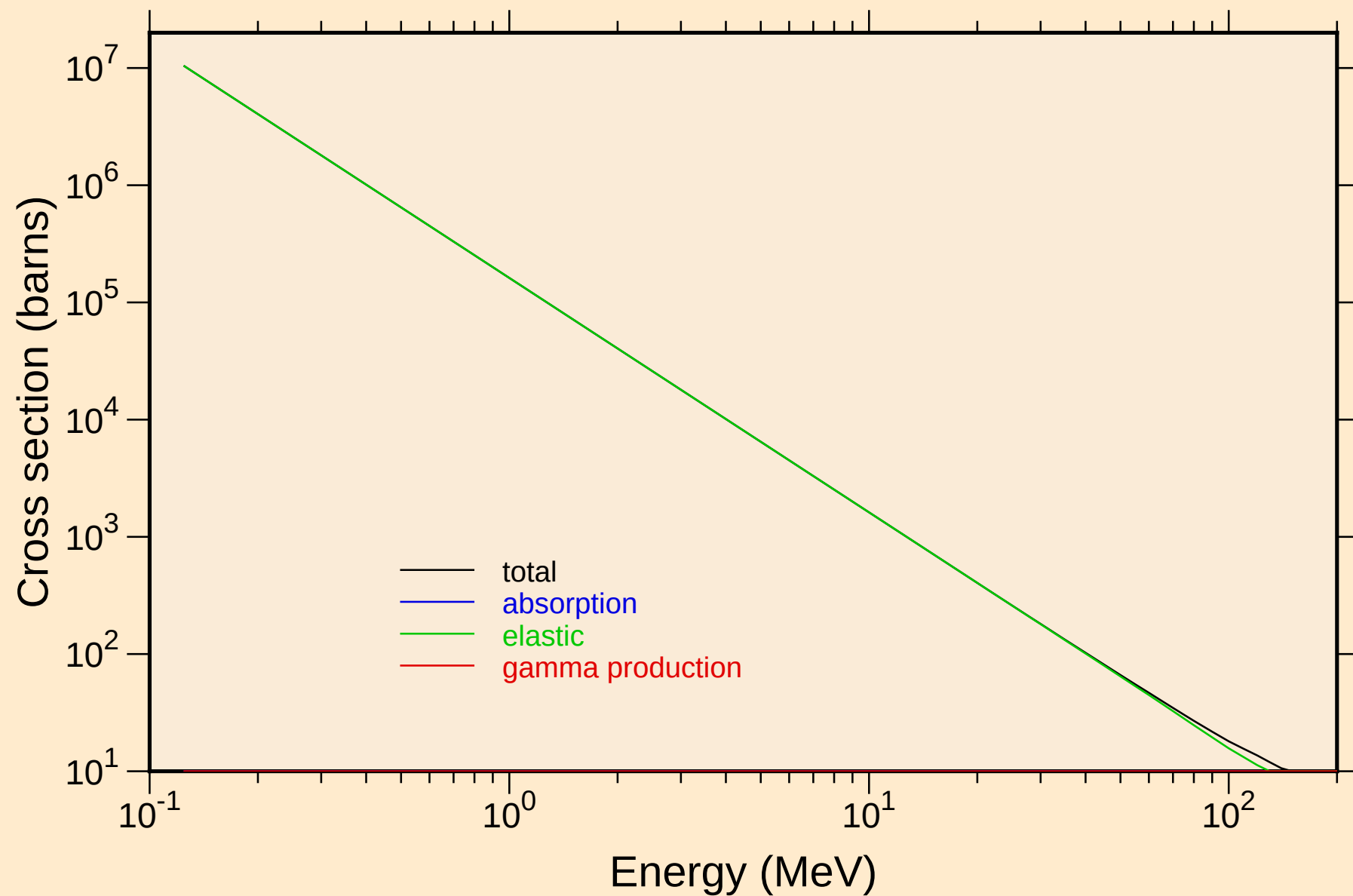


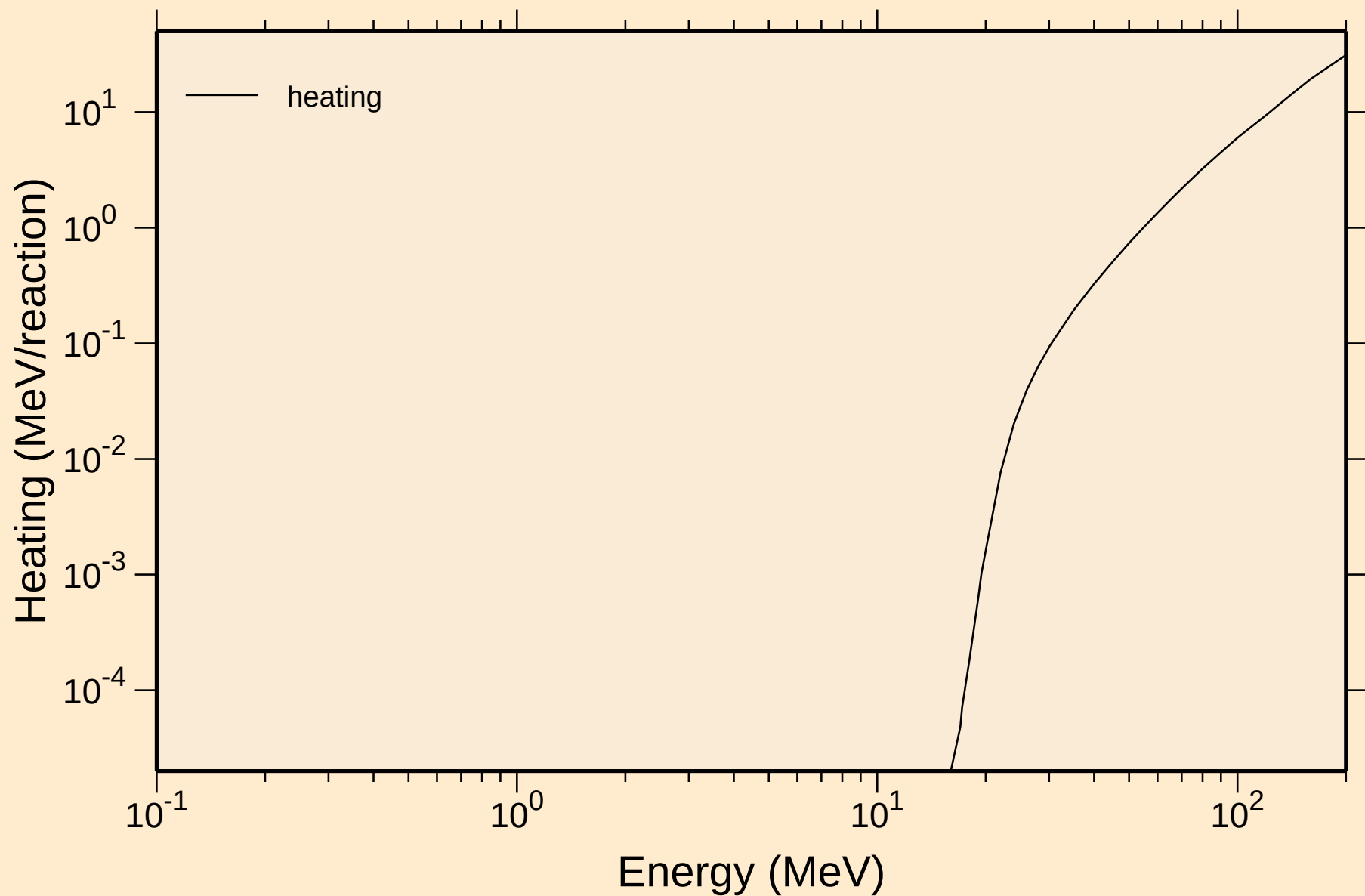
# HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



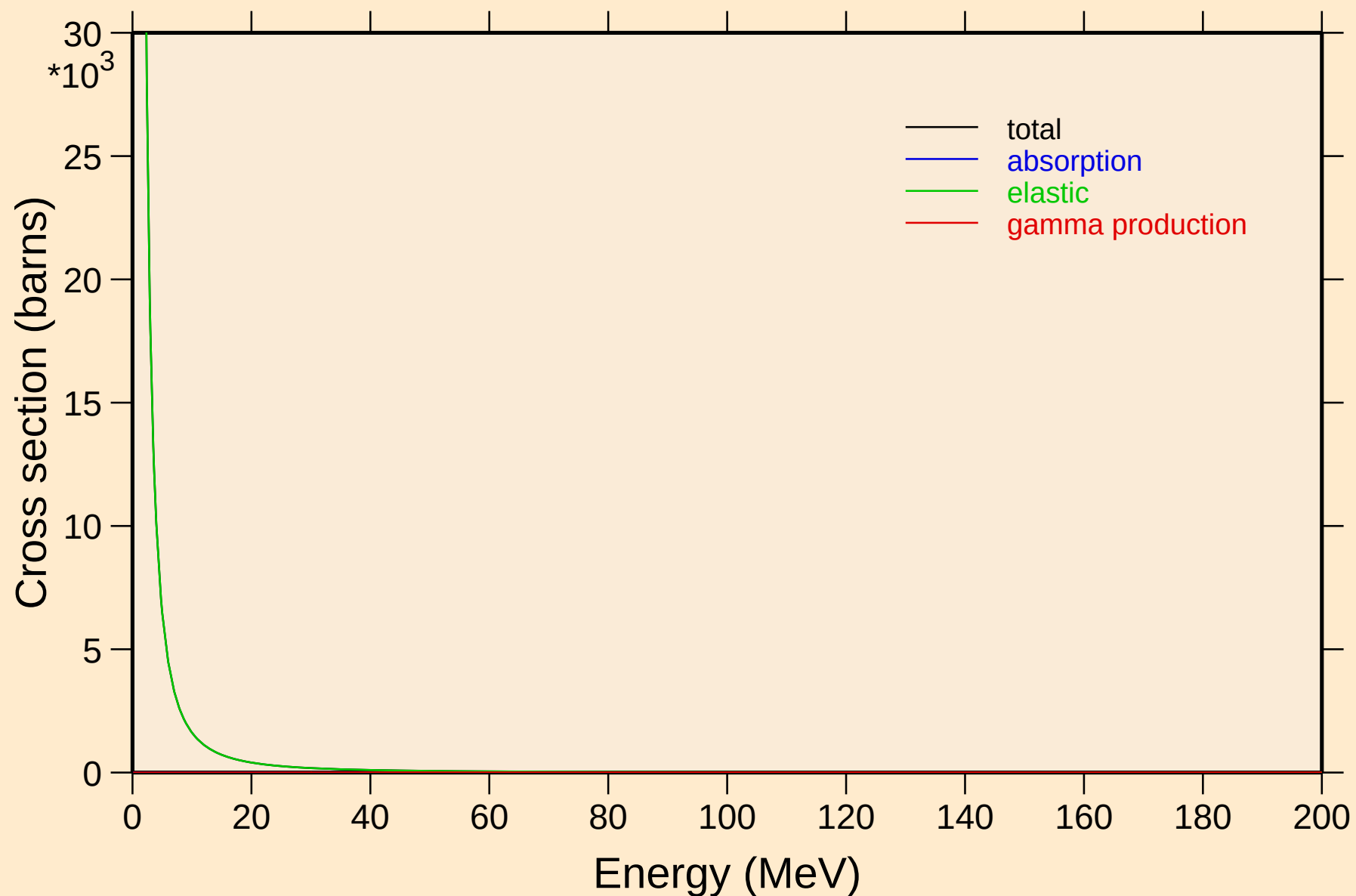
# HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K

Heating



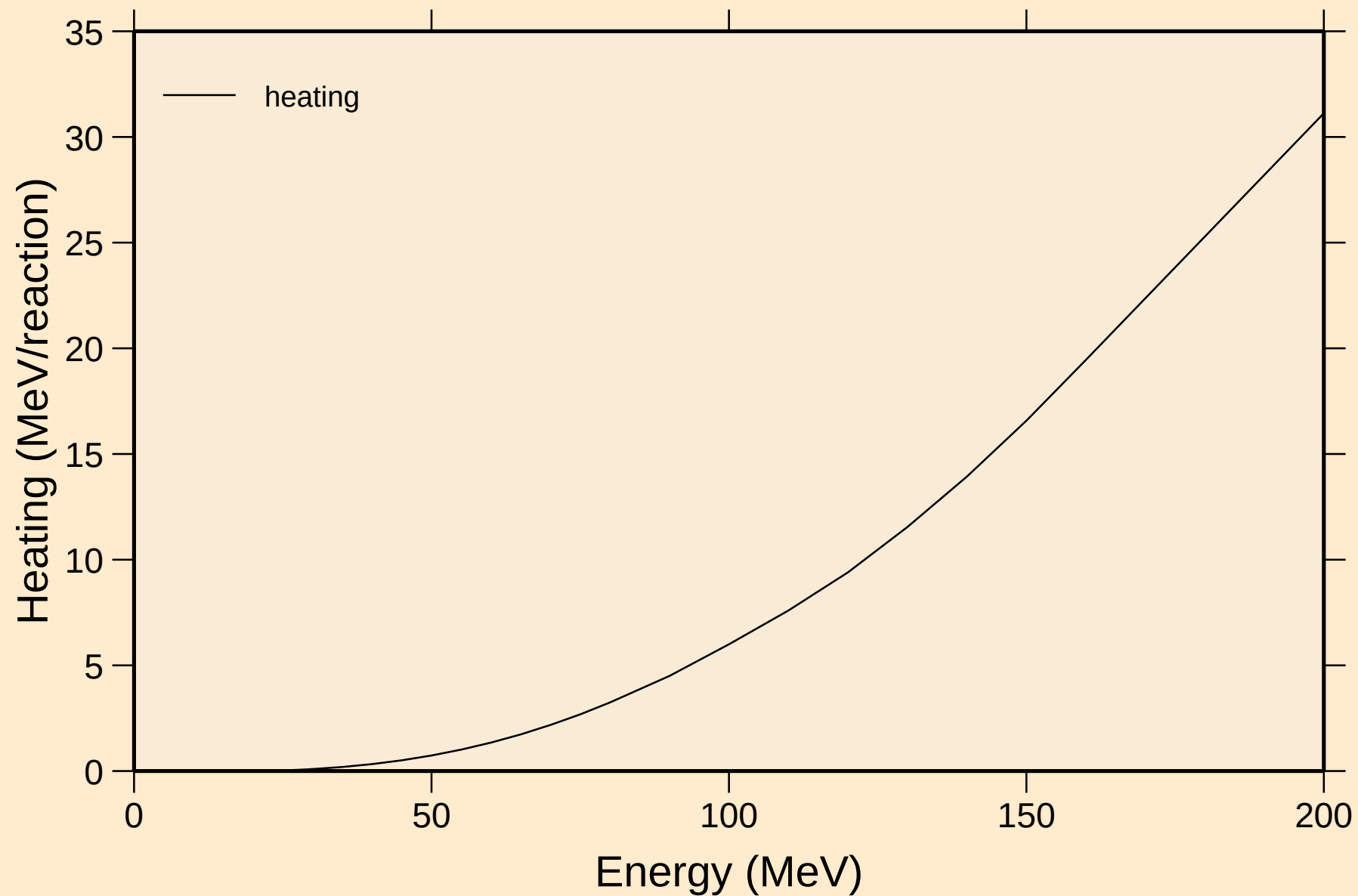
# HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



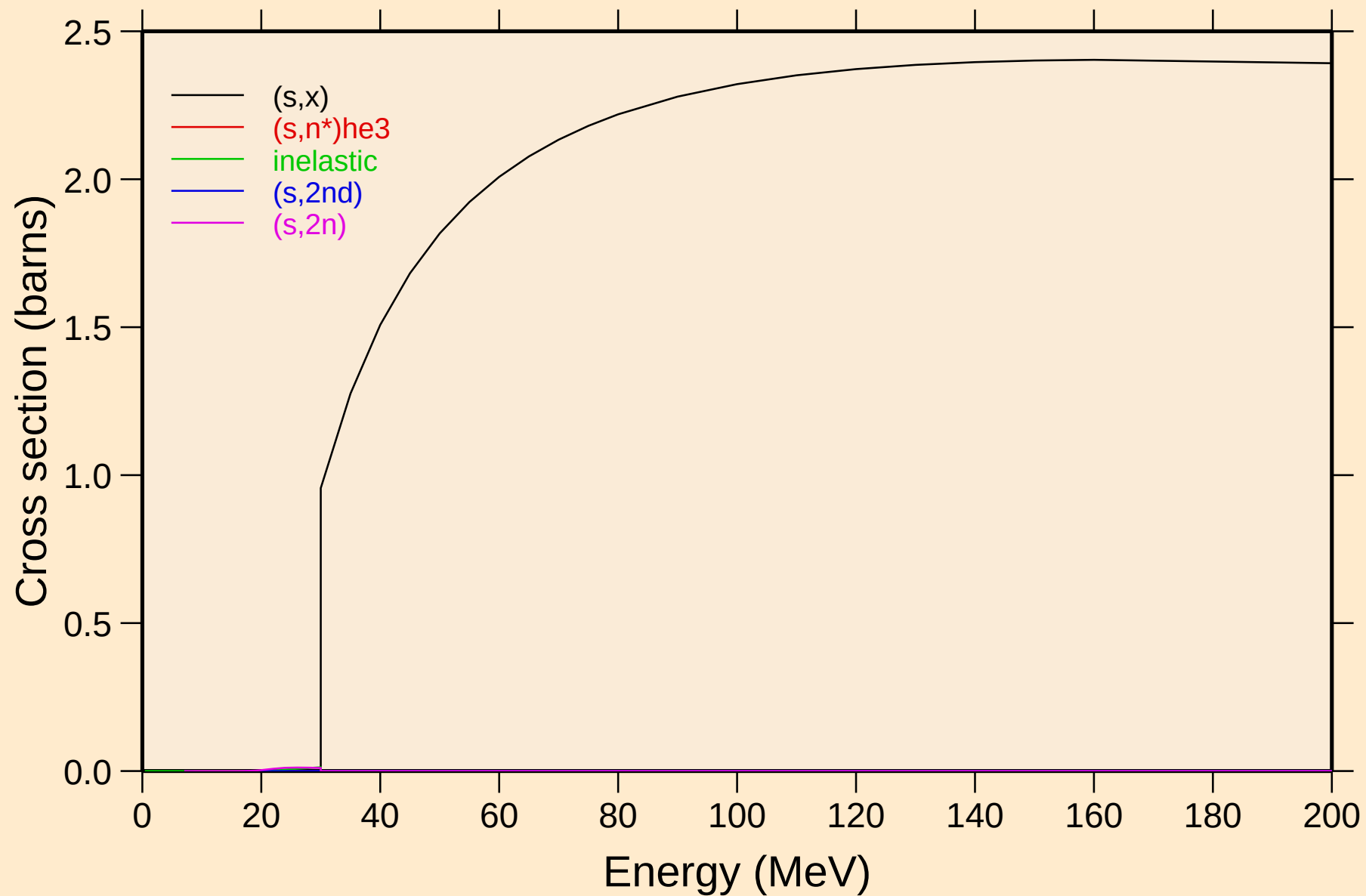
# HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K

Heating



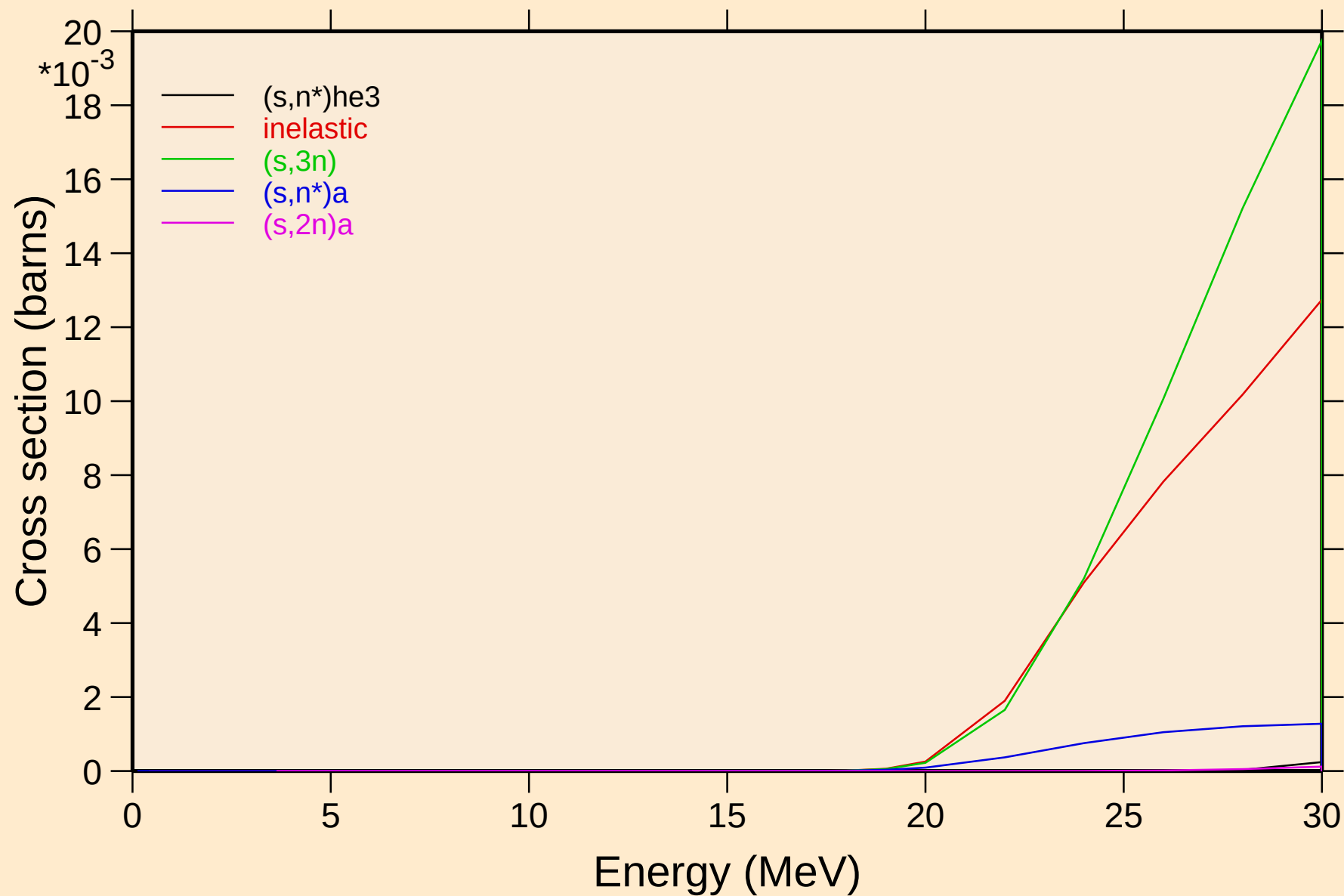
# HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

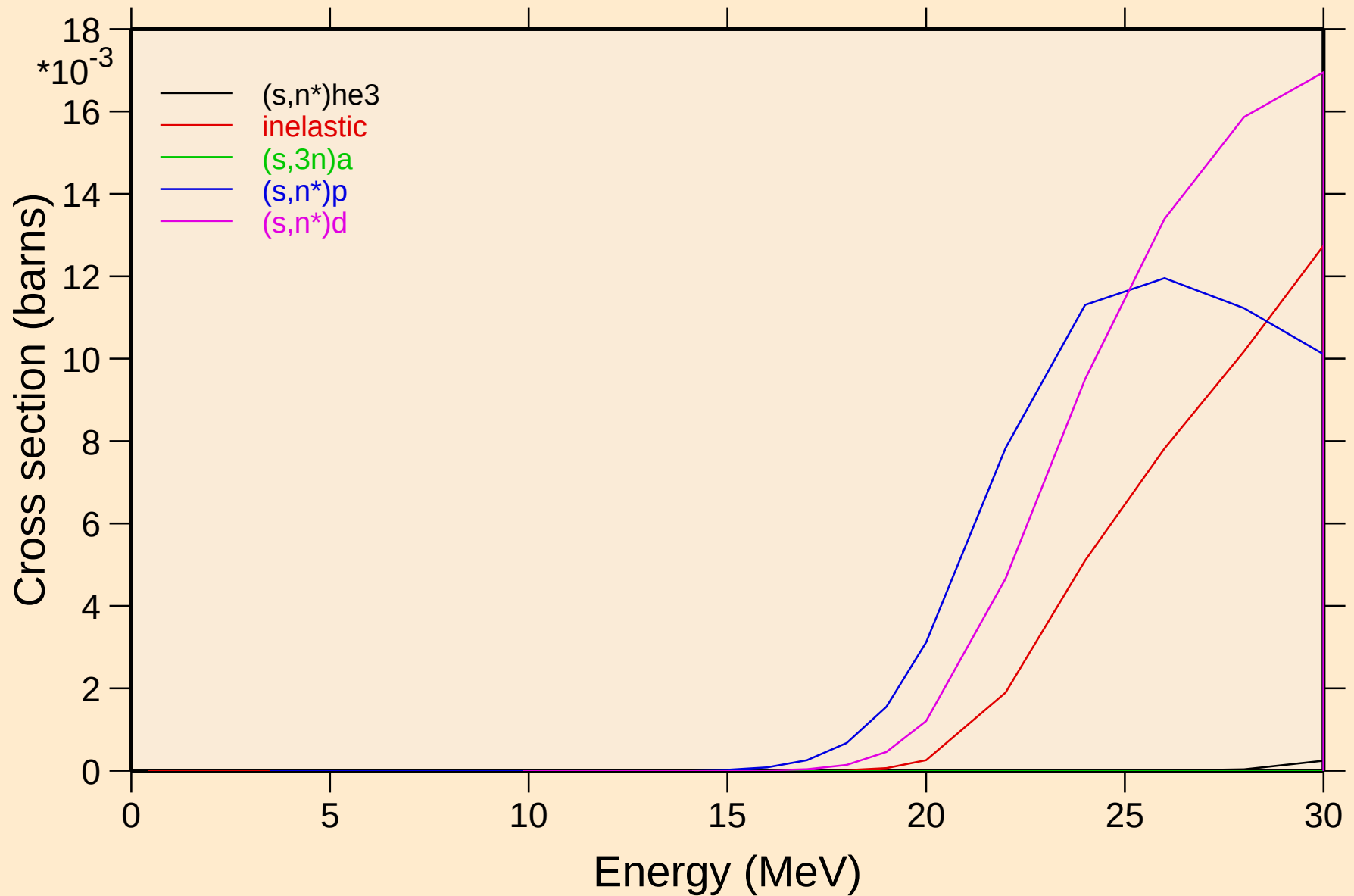


# HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

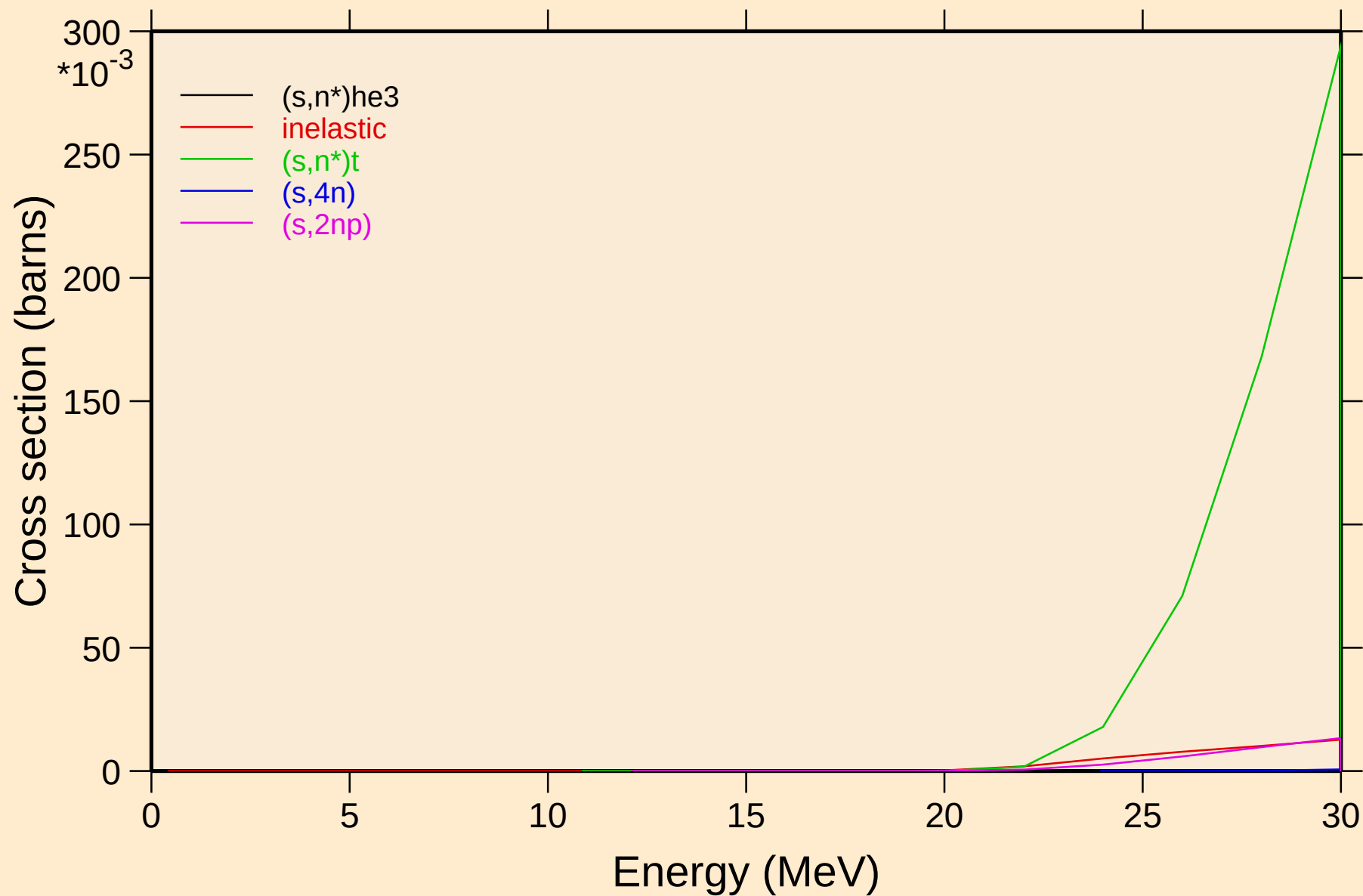


HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



# HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K

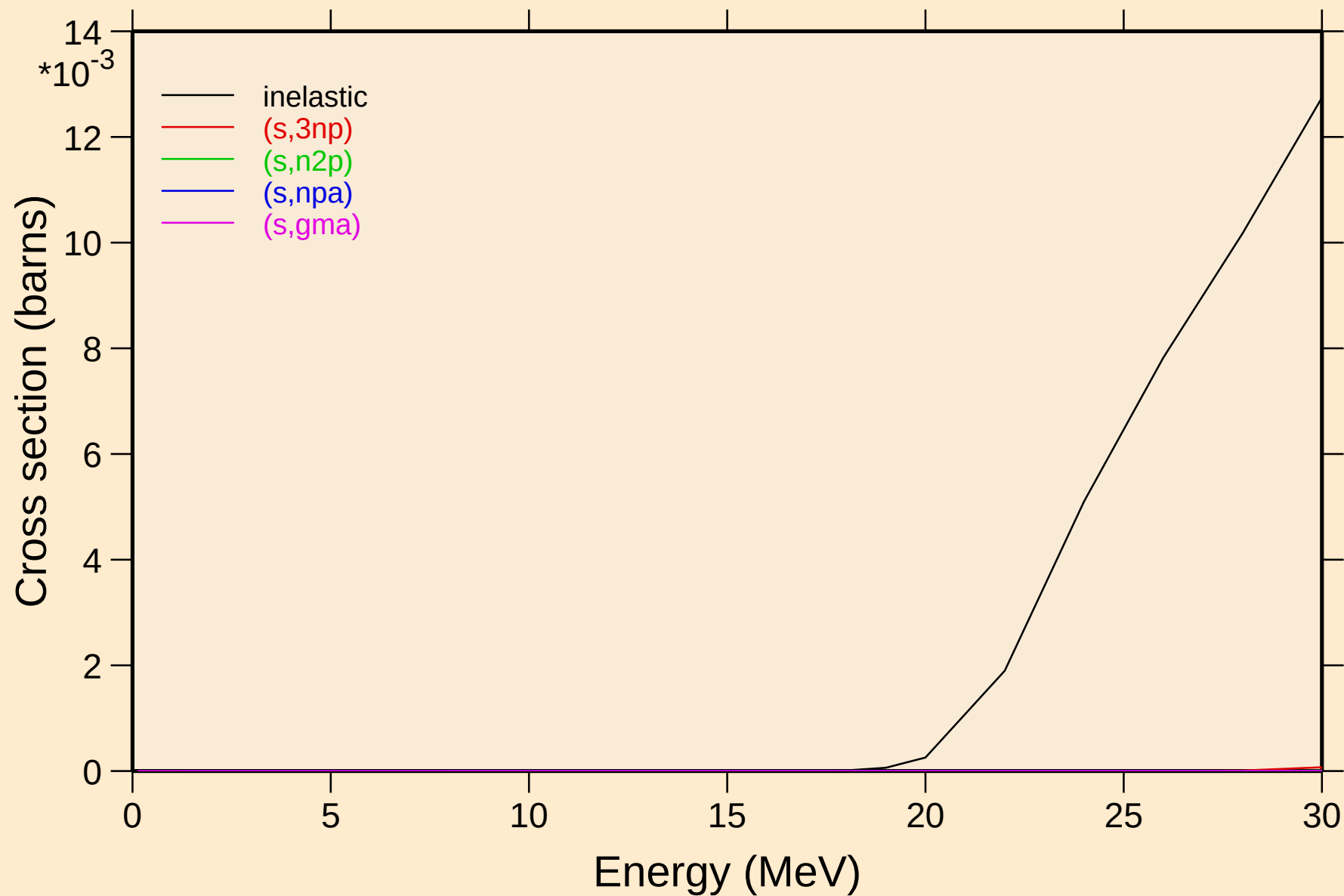
## Threshold reactions



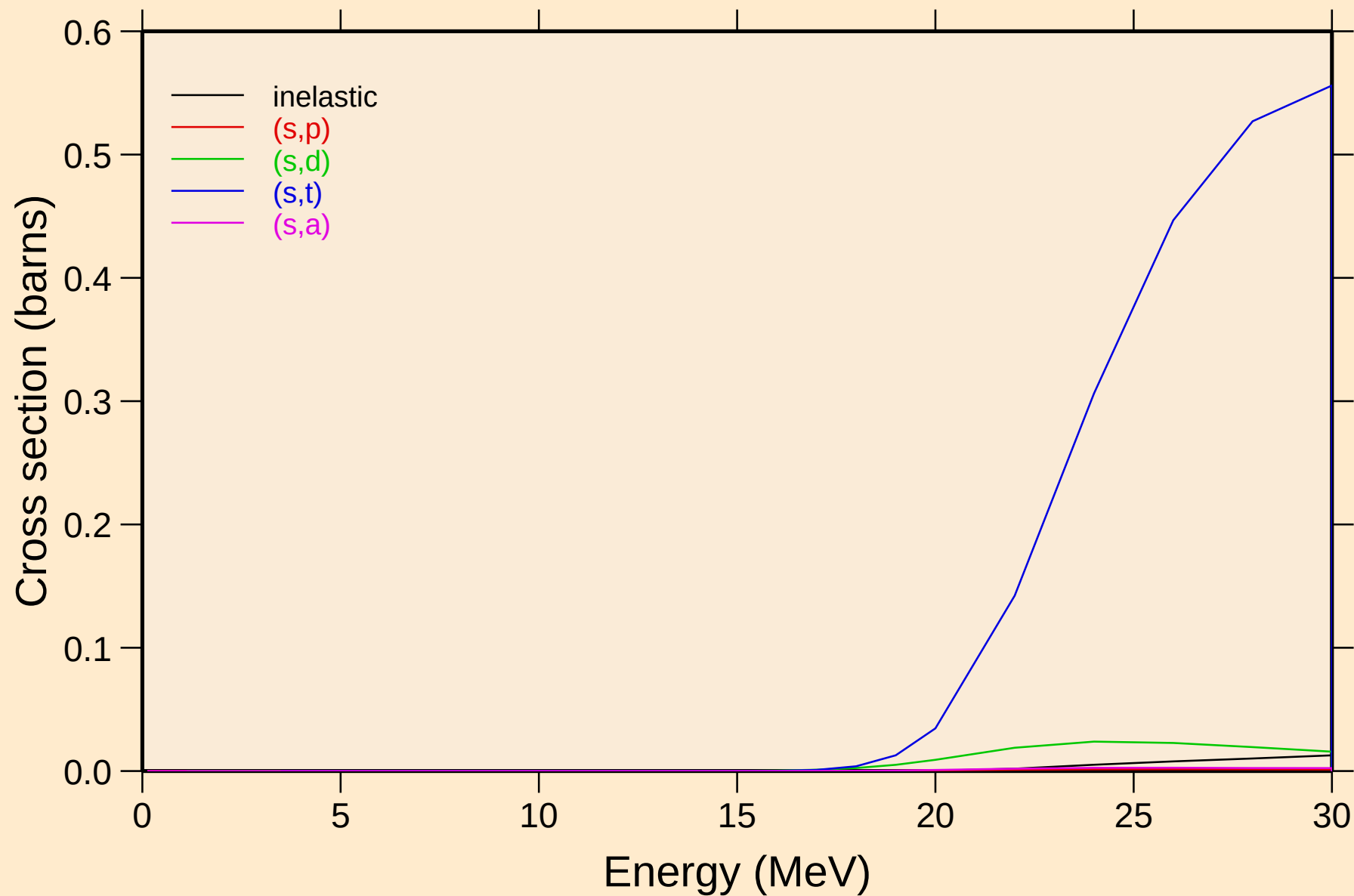


# HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

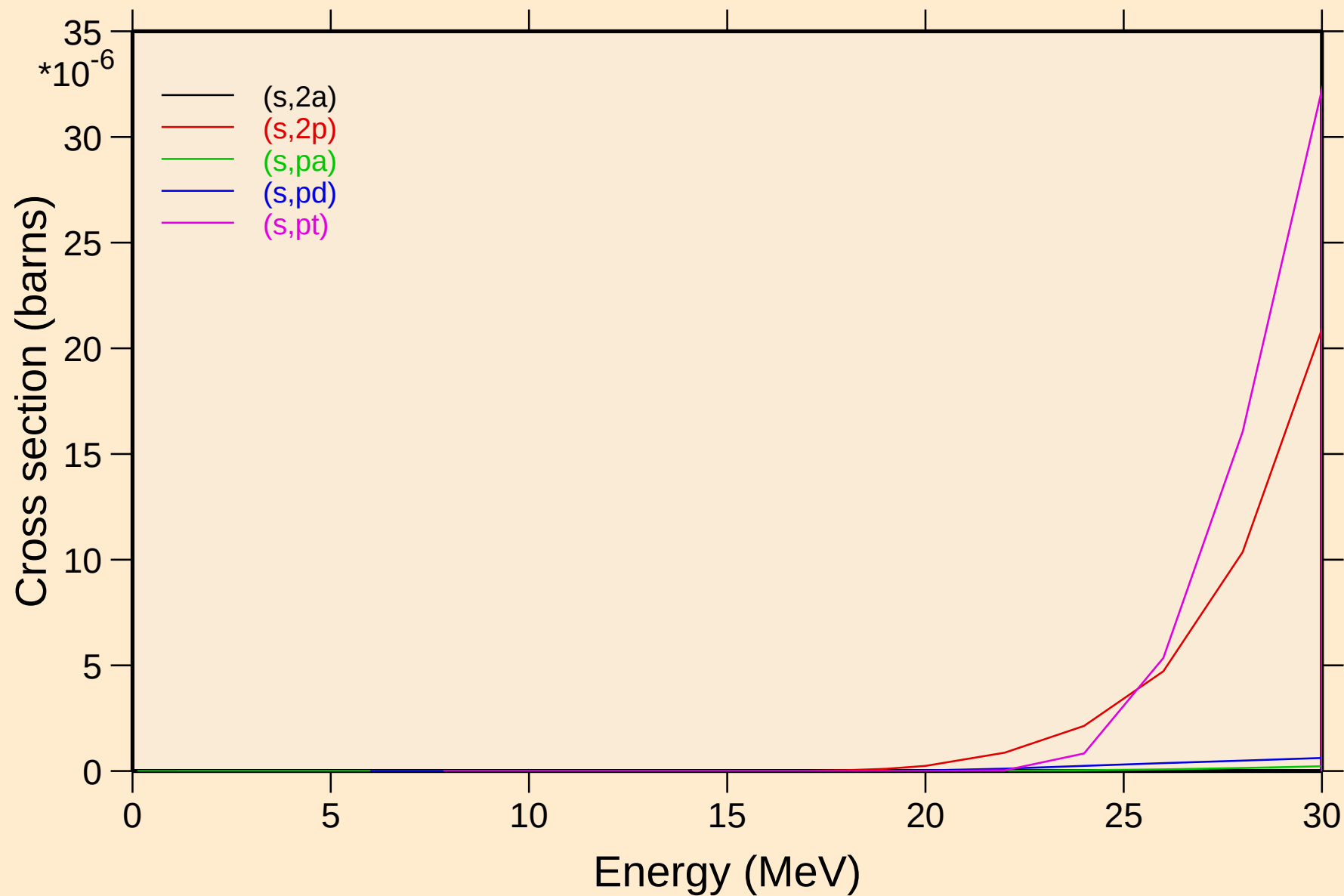


HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



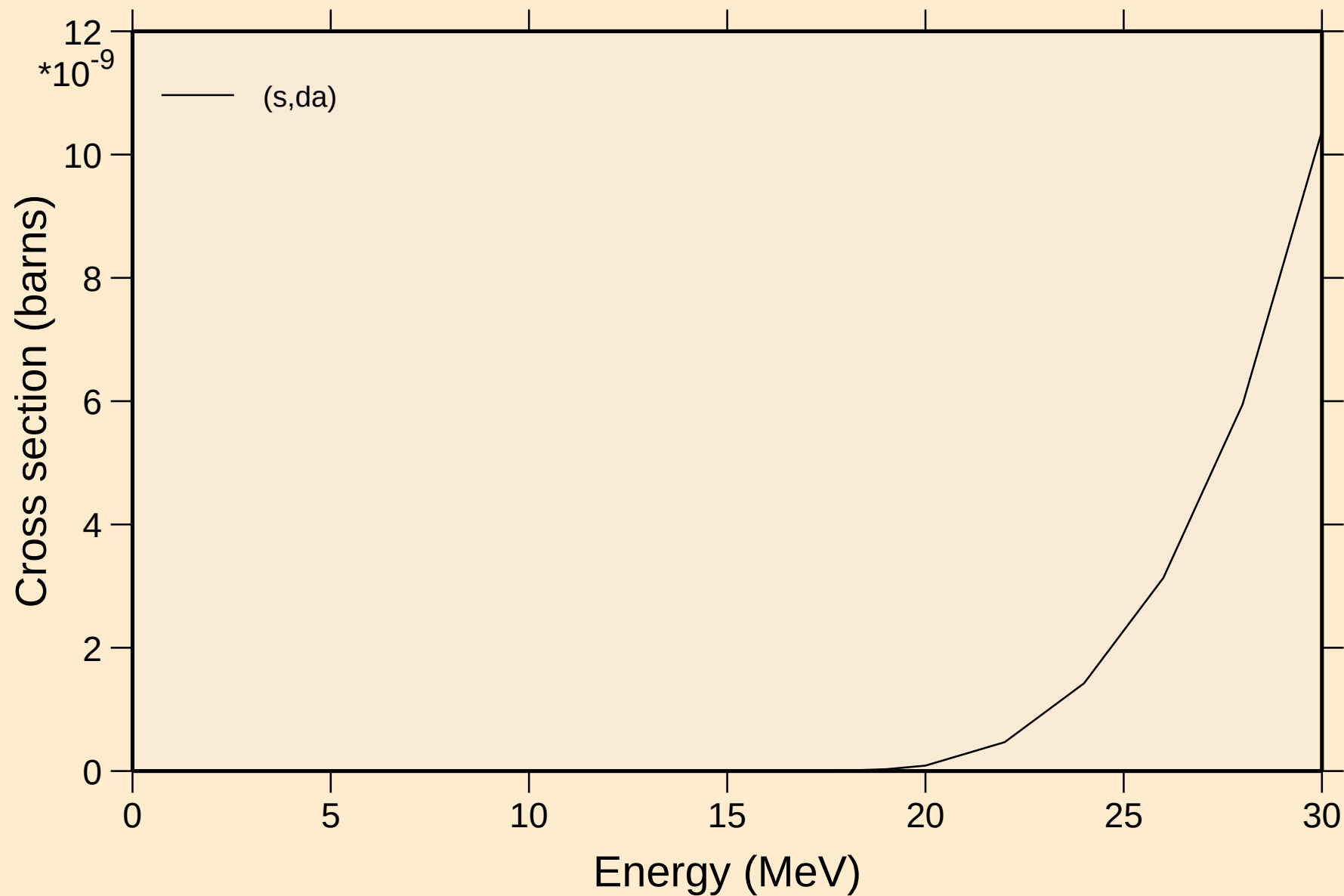
# HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

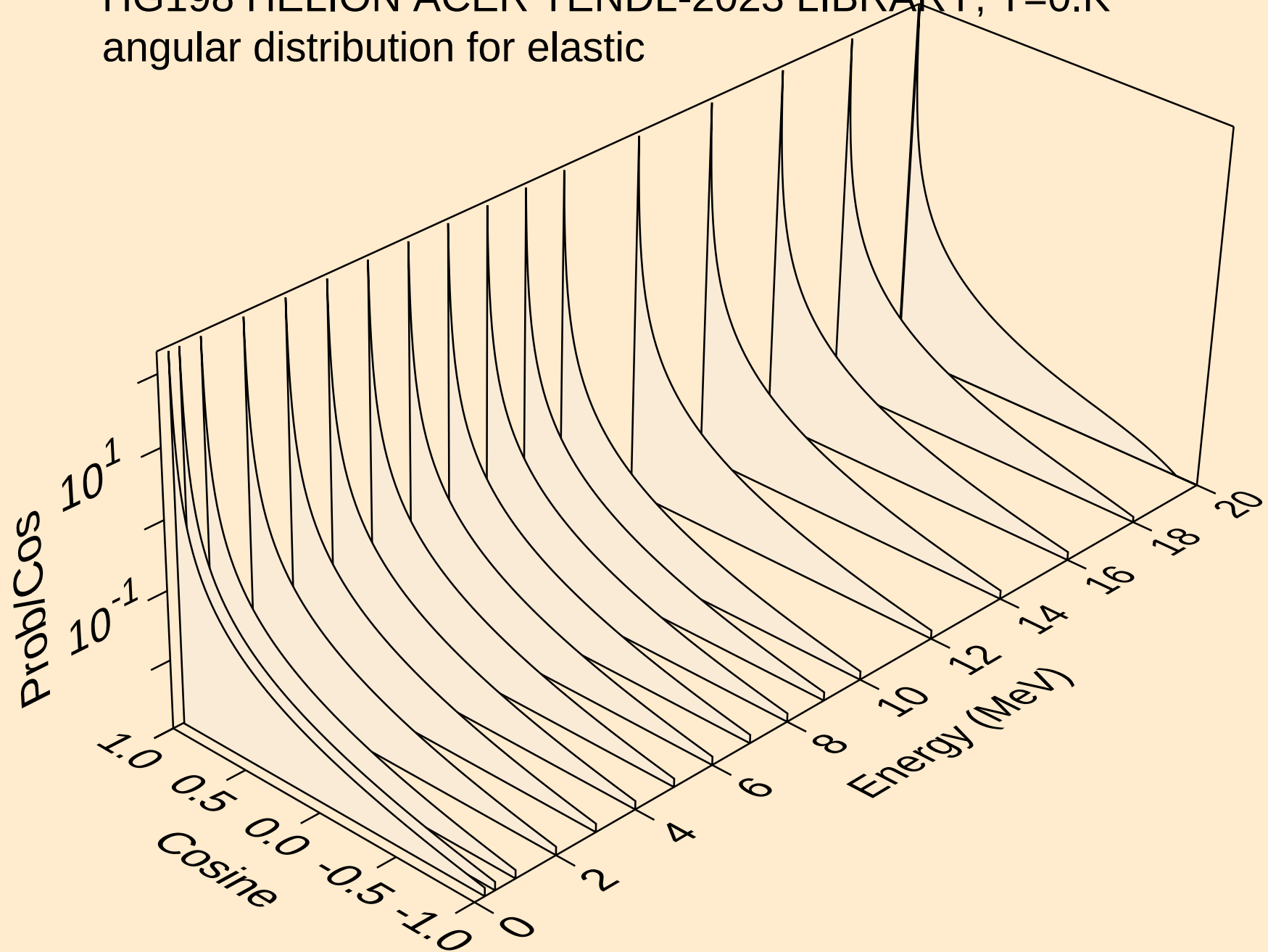


# HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K

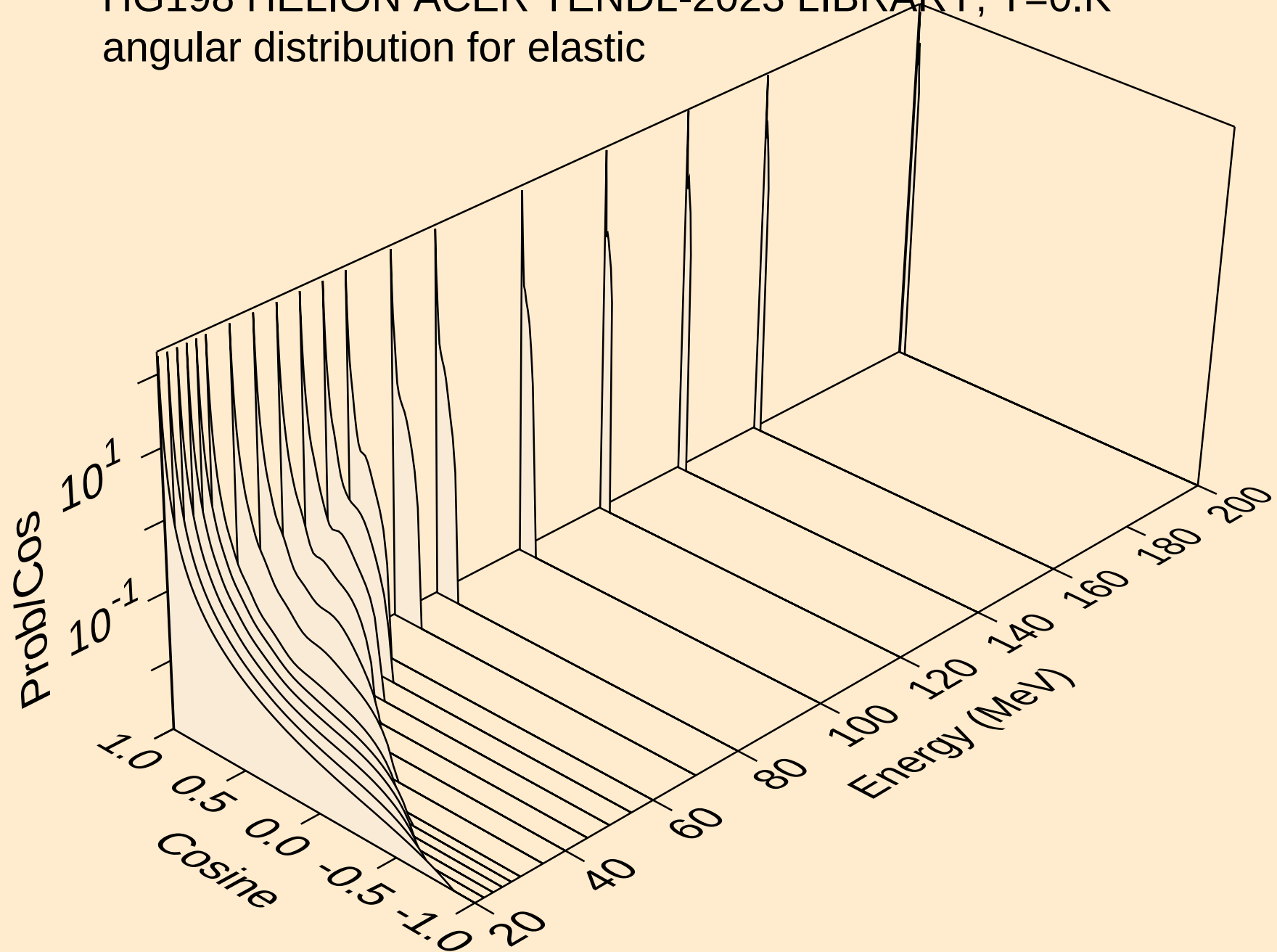
Threshold reactions



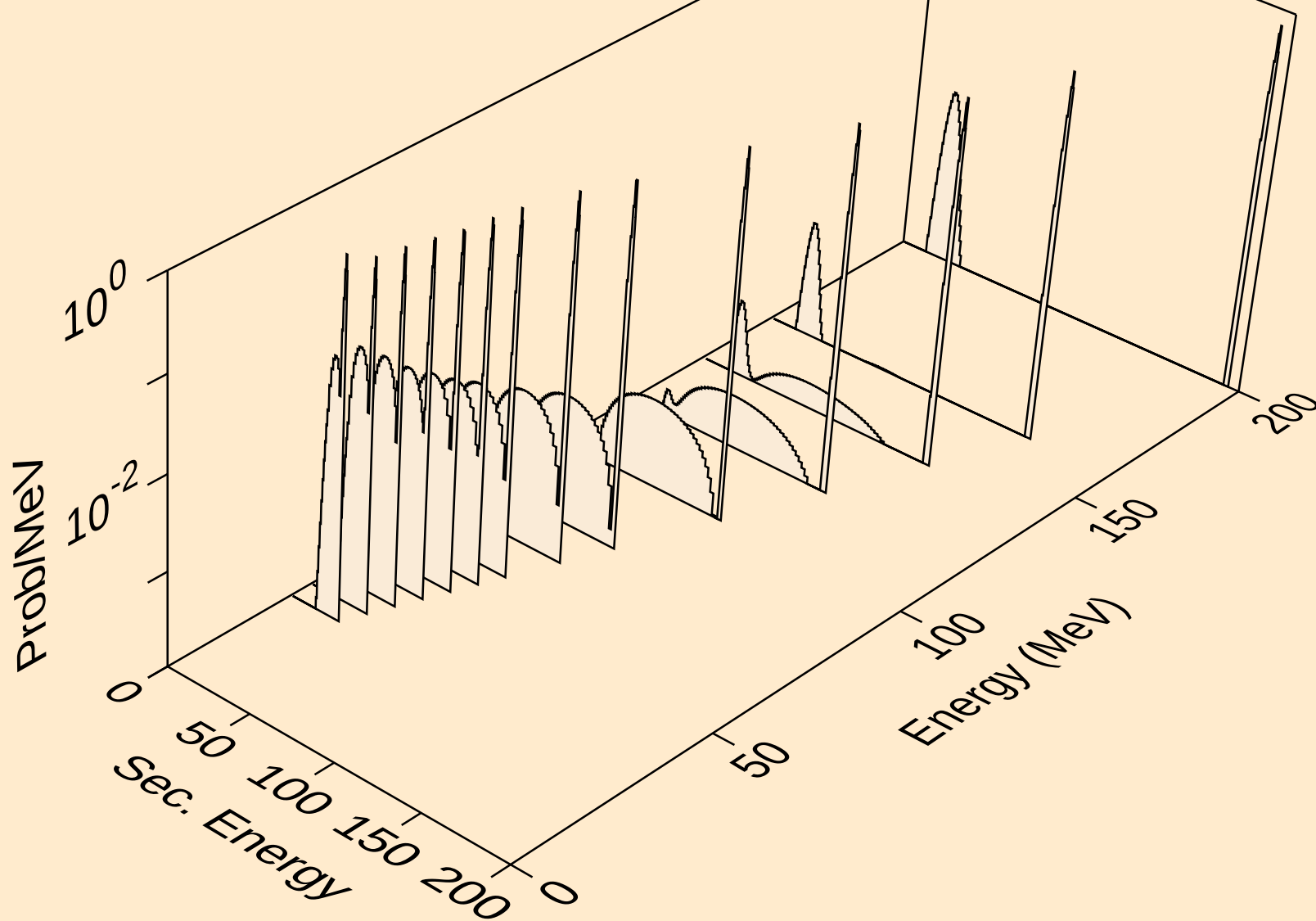
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



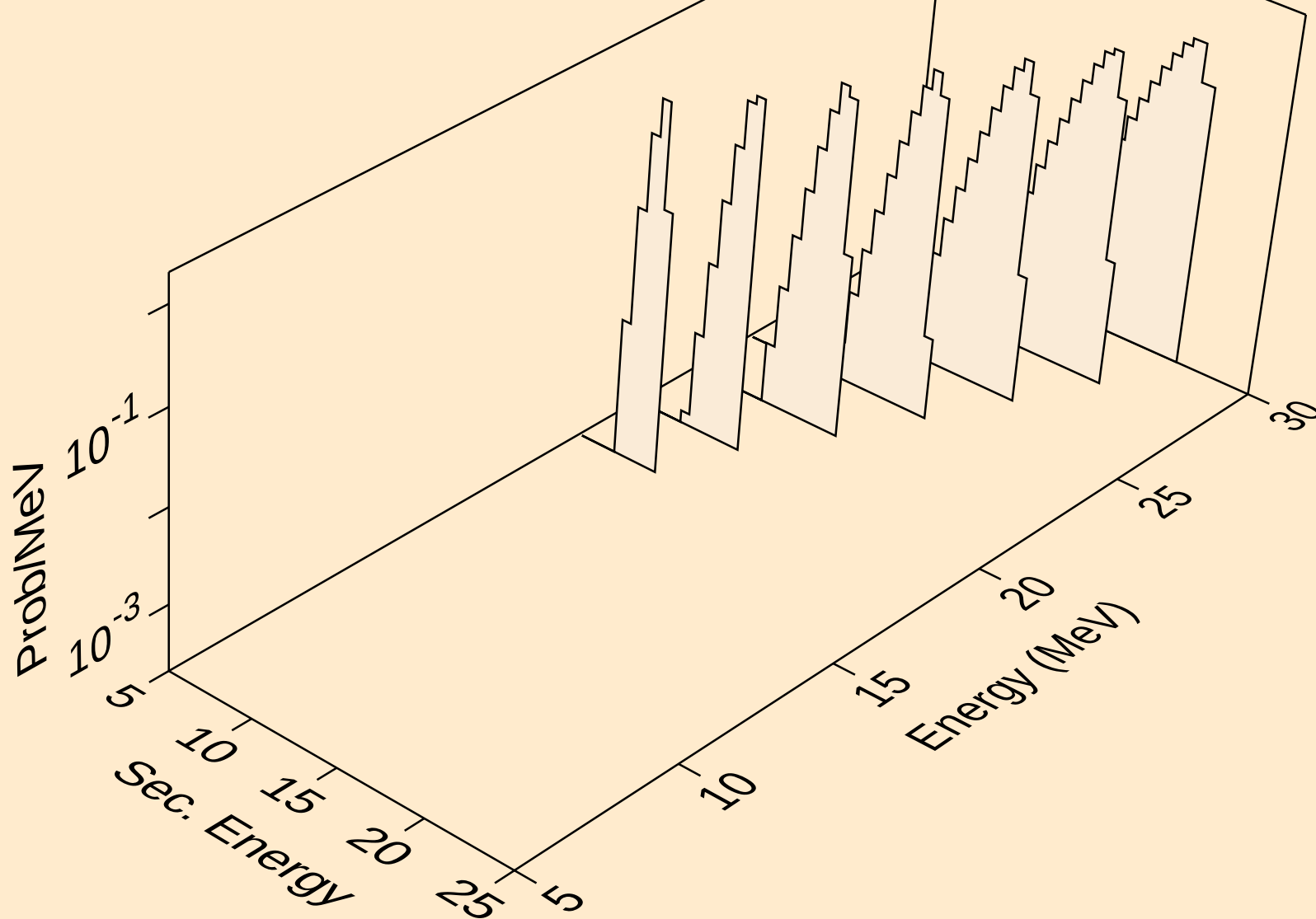
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)

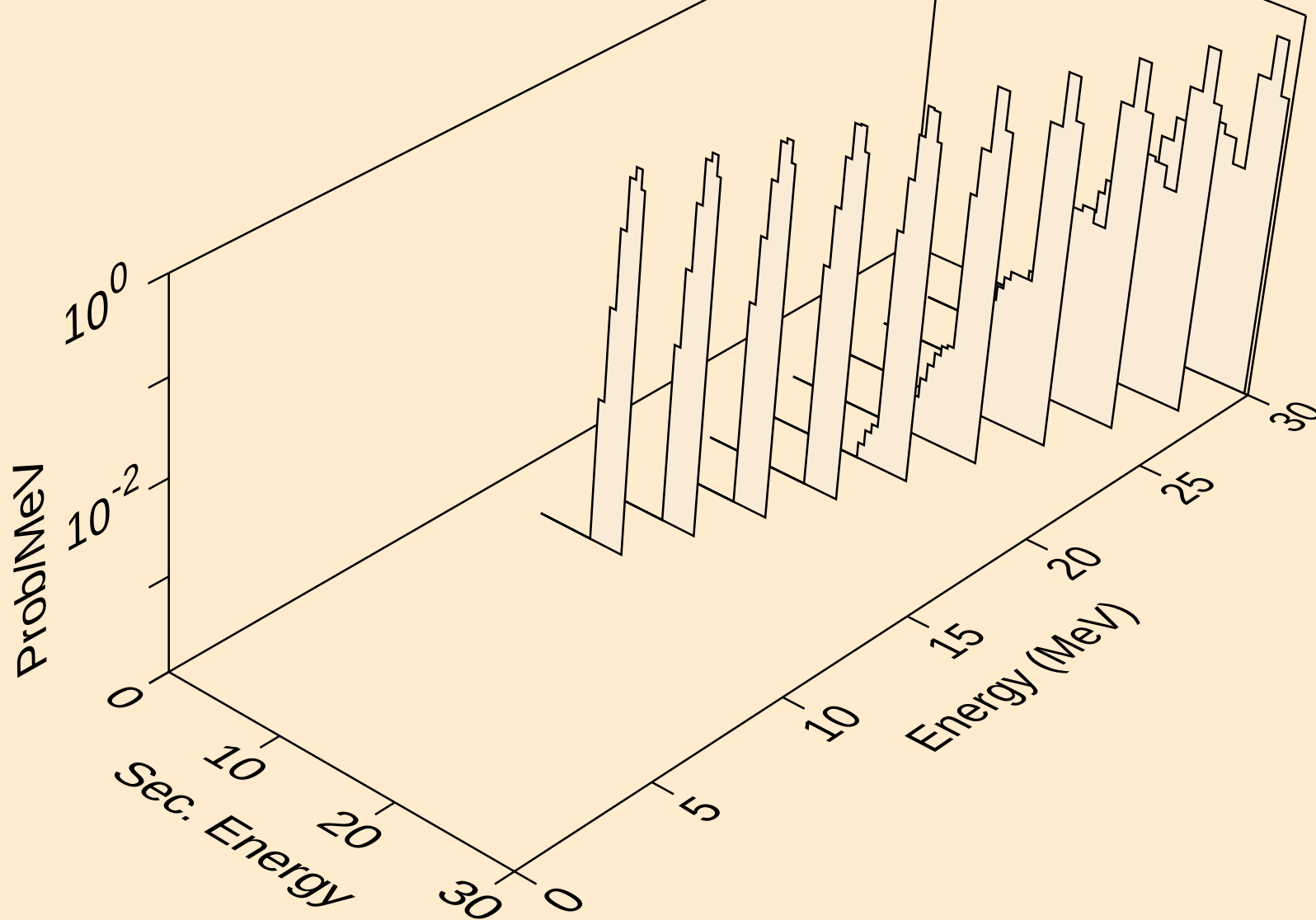


HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

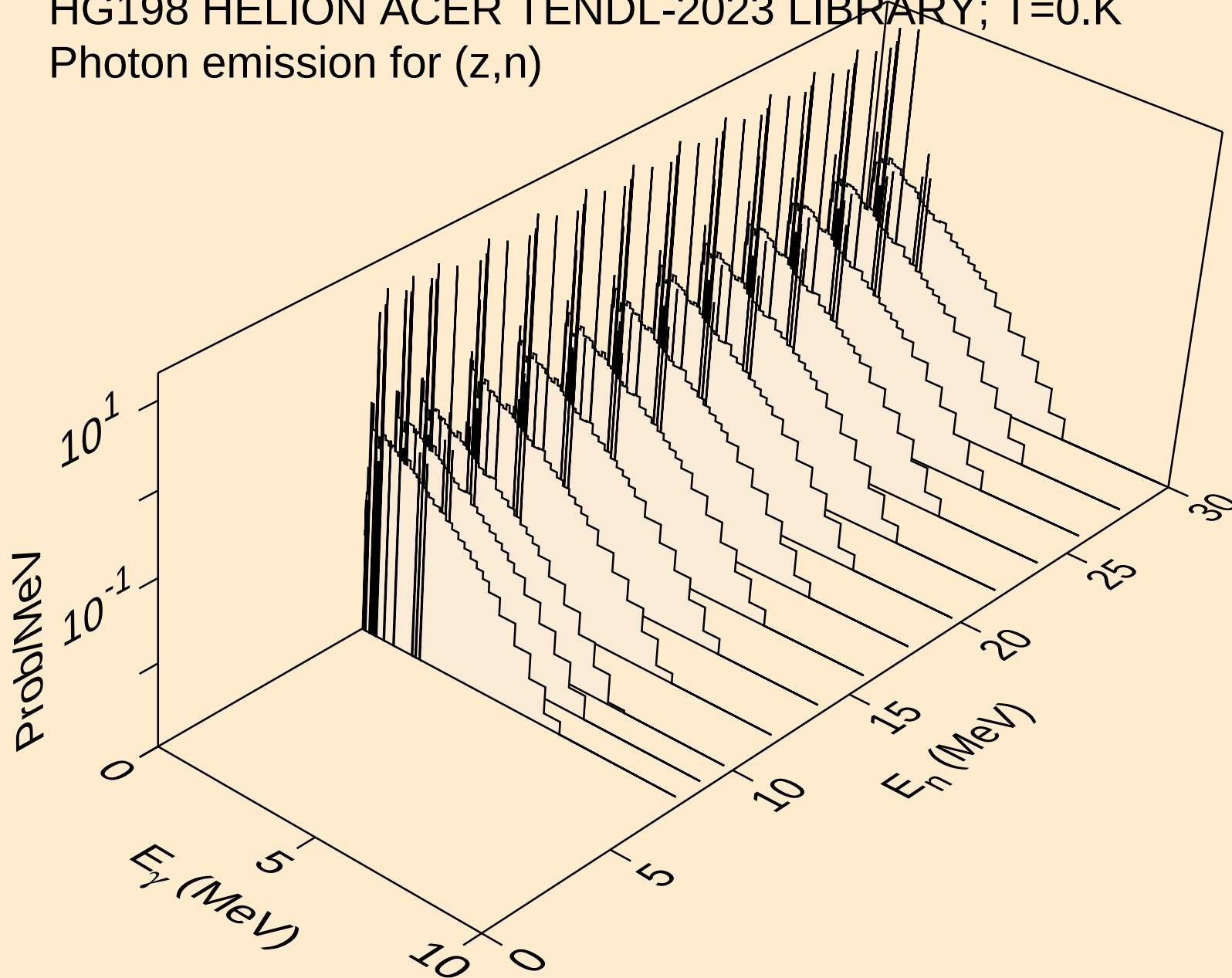




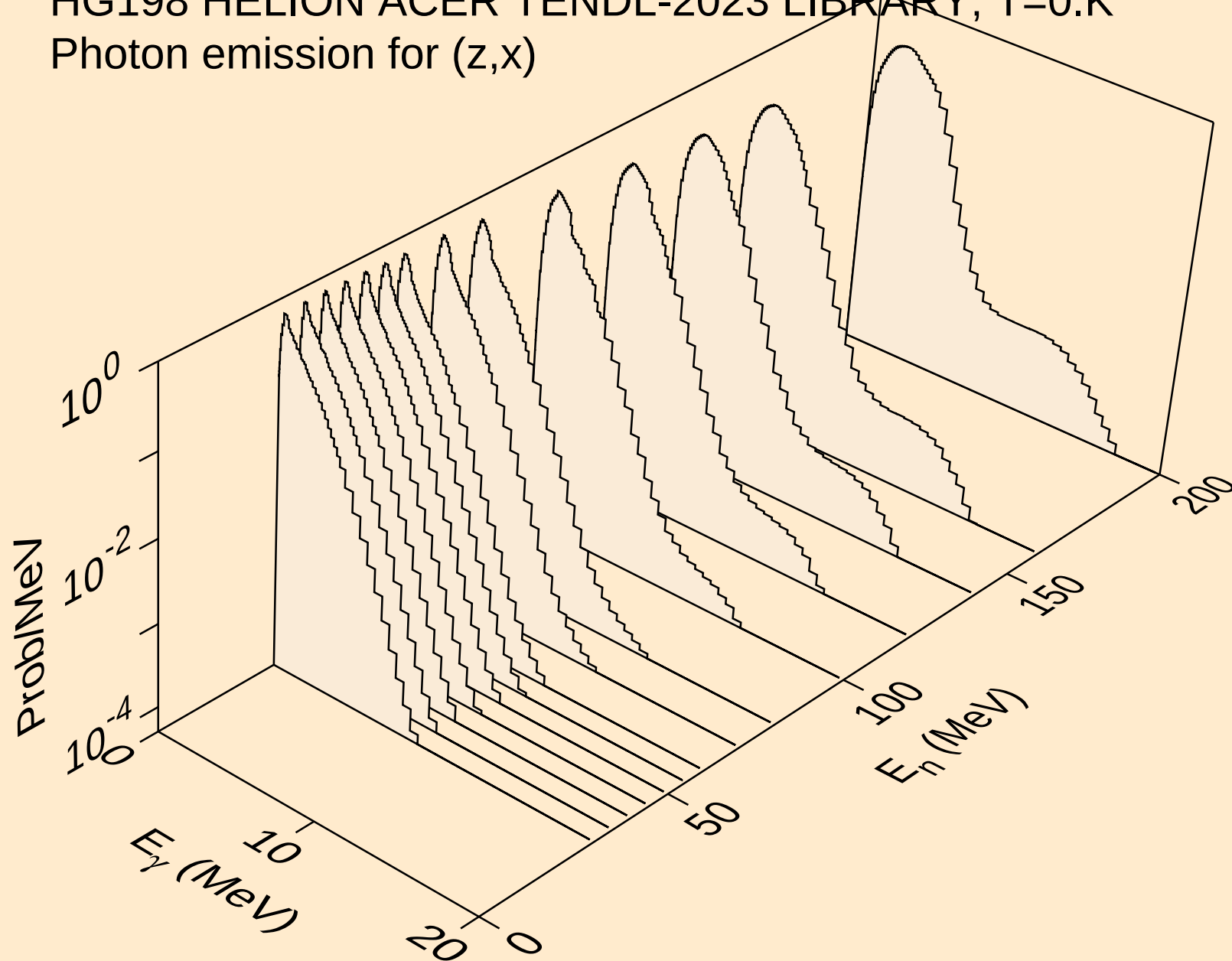
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic



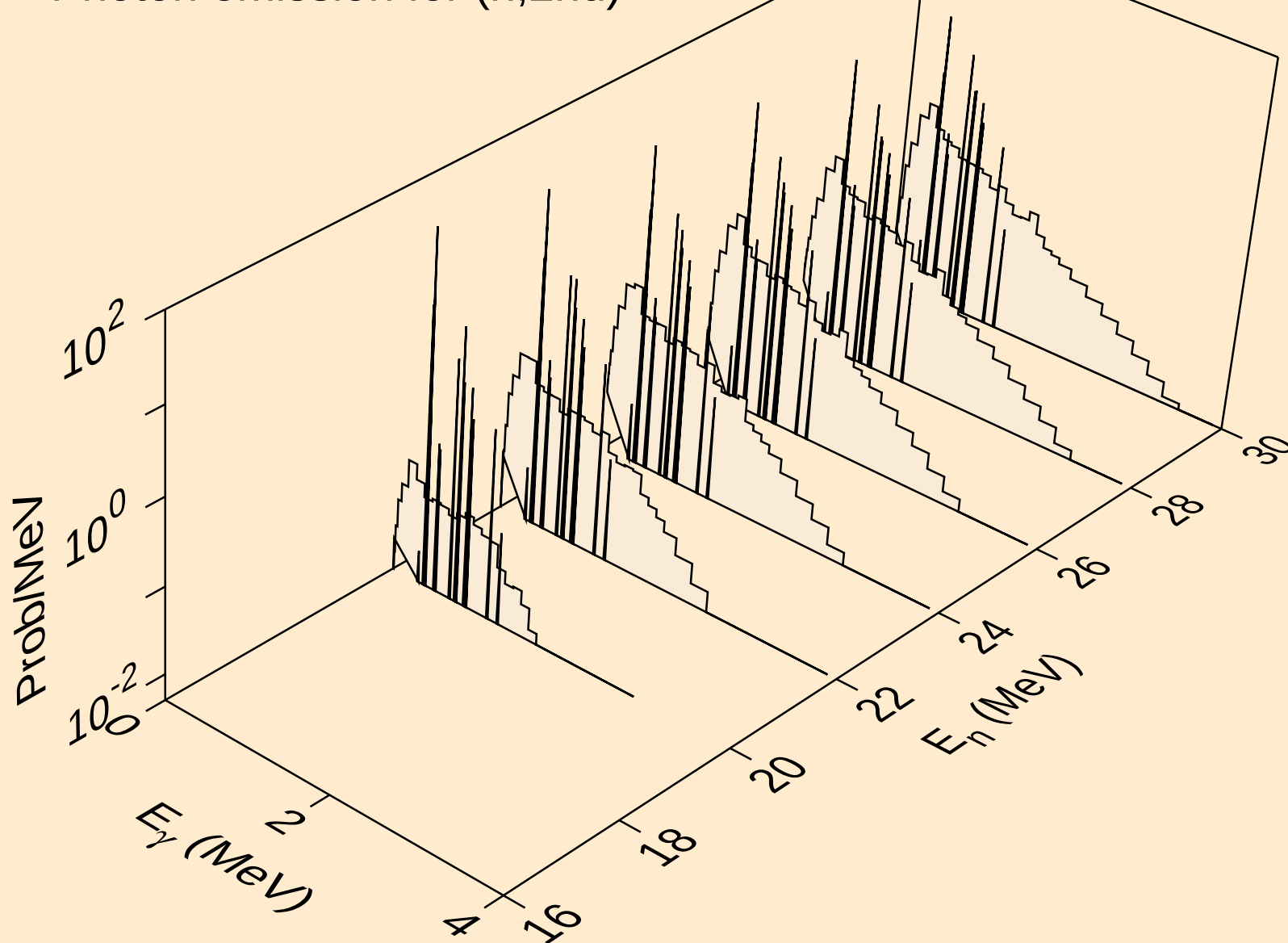
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



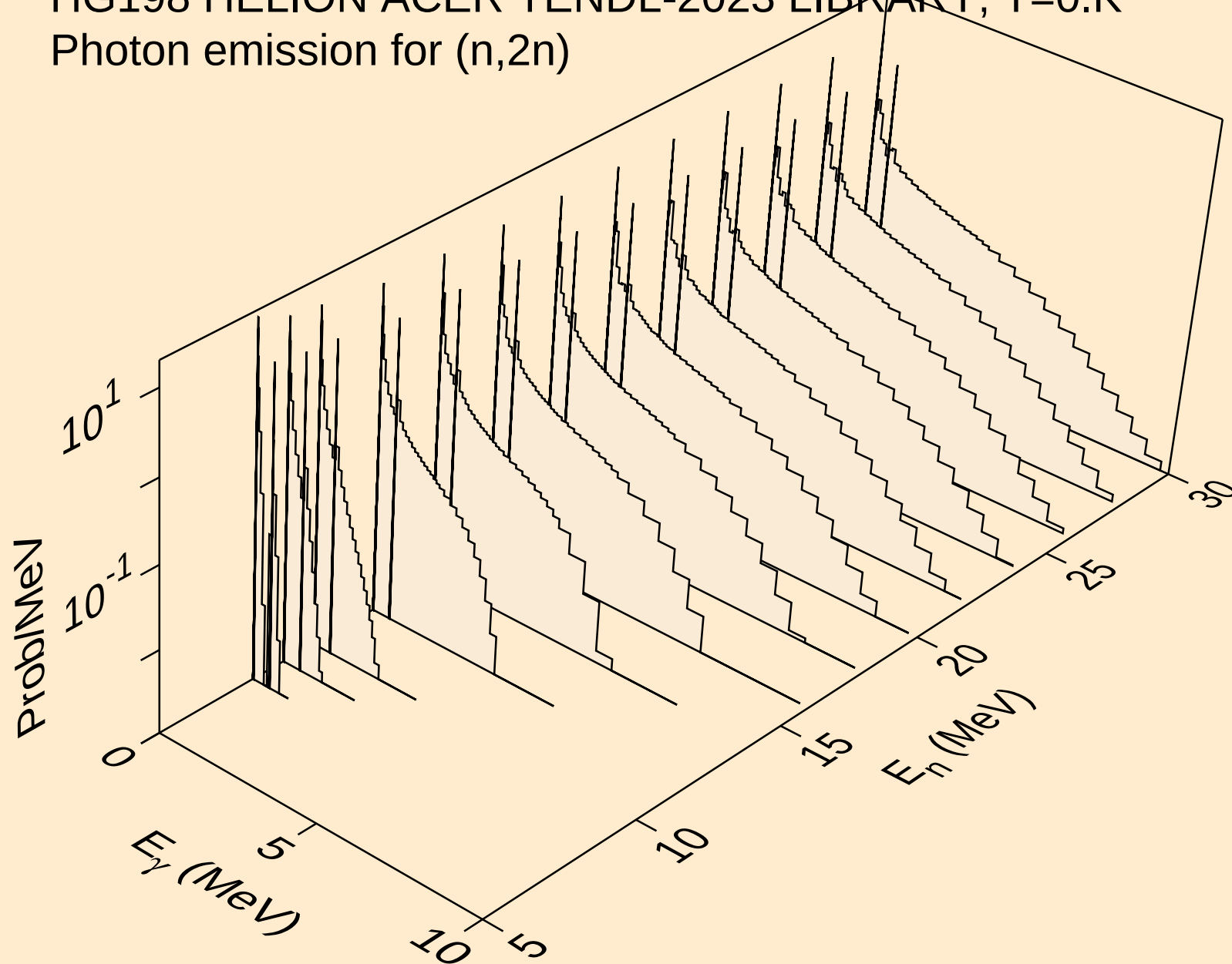
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



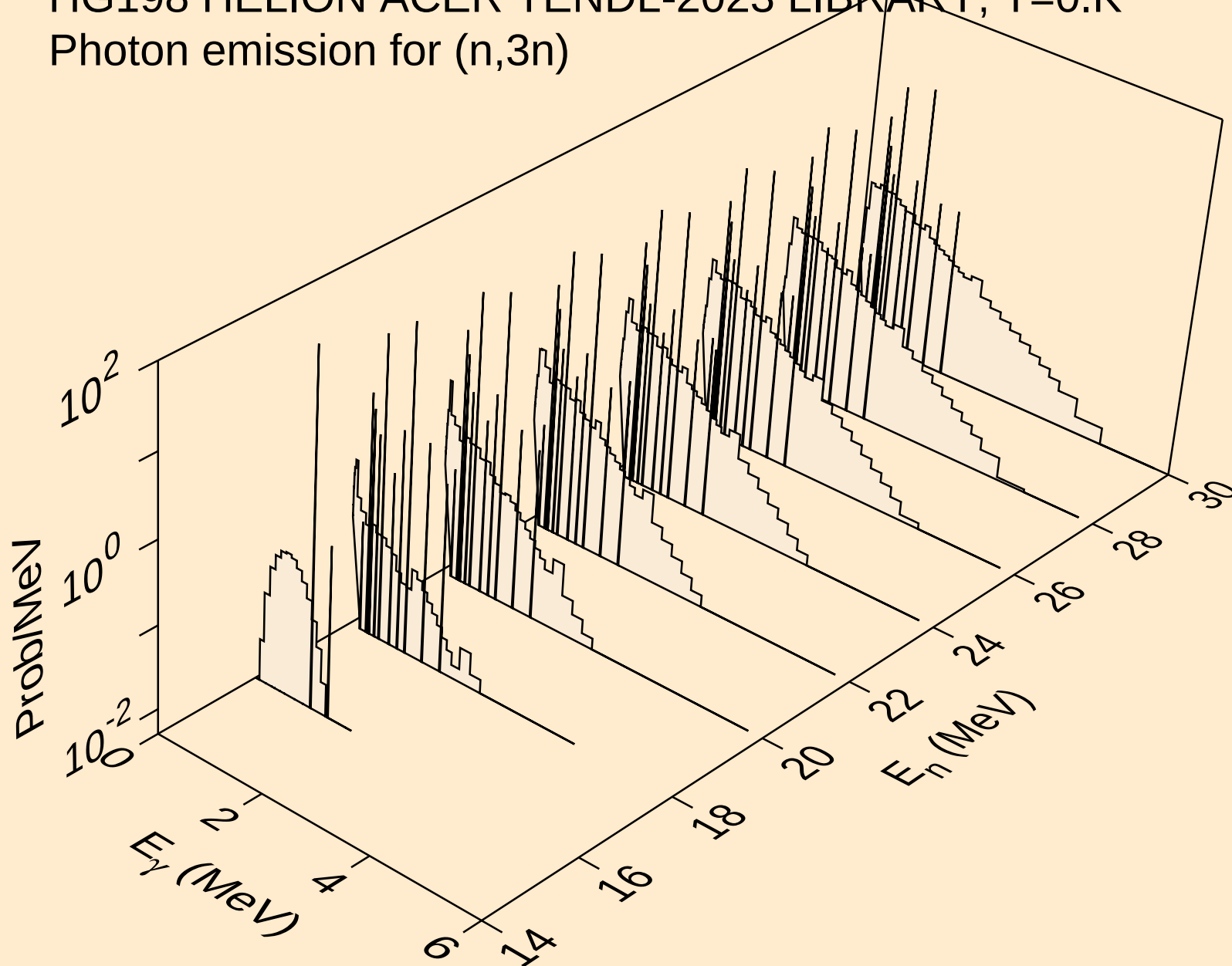
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



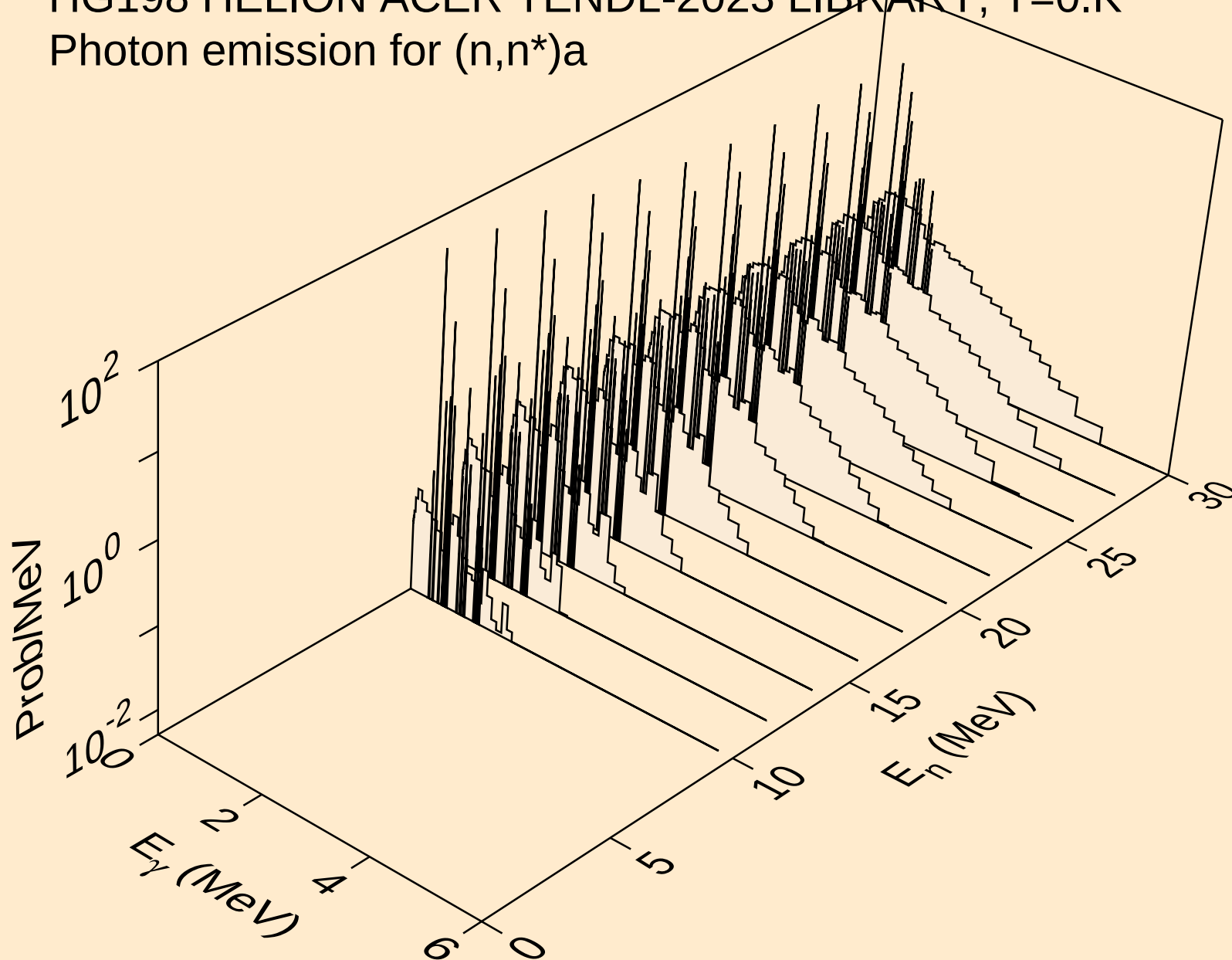
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



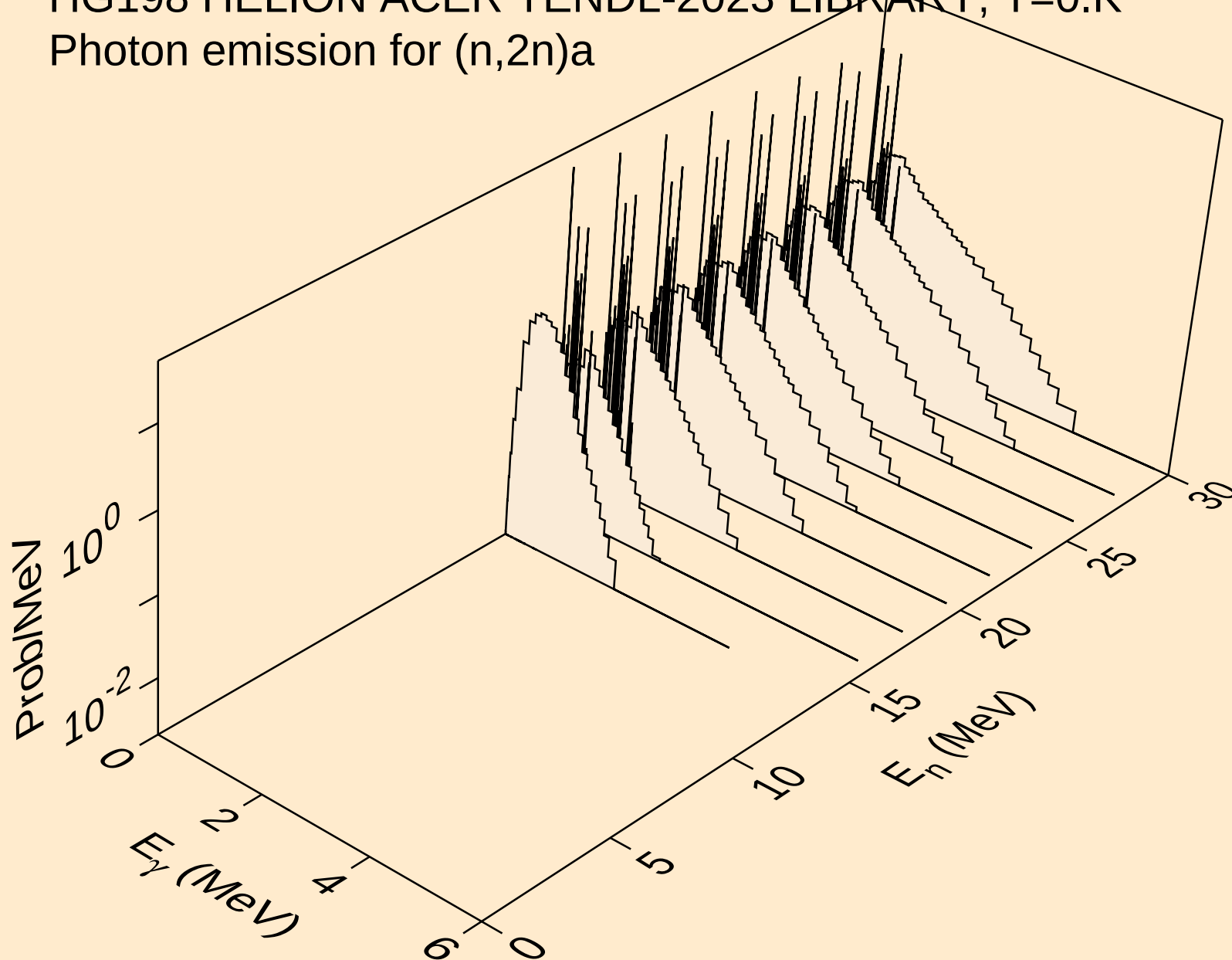
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

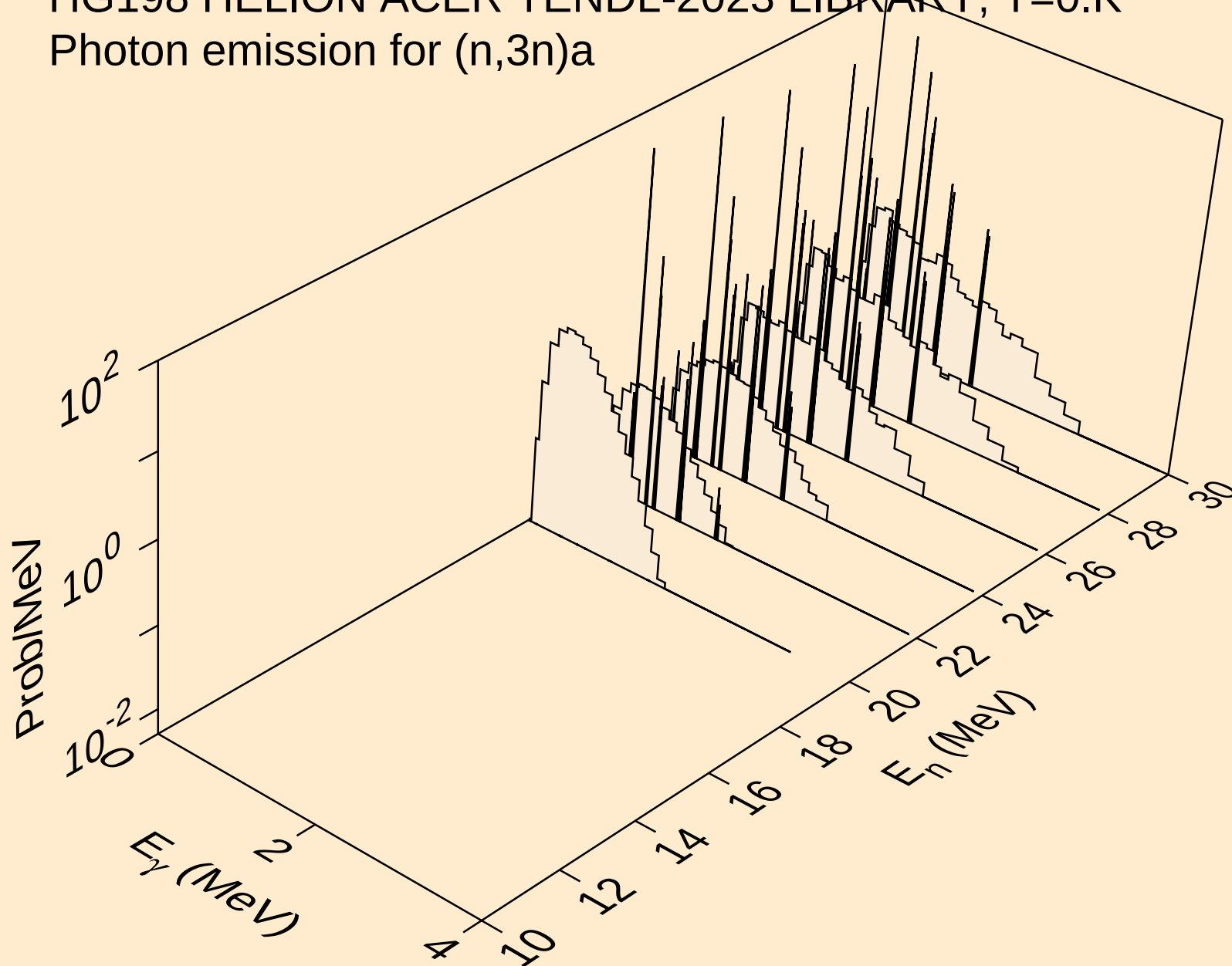


HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n) $\alpha$

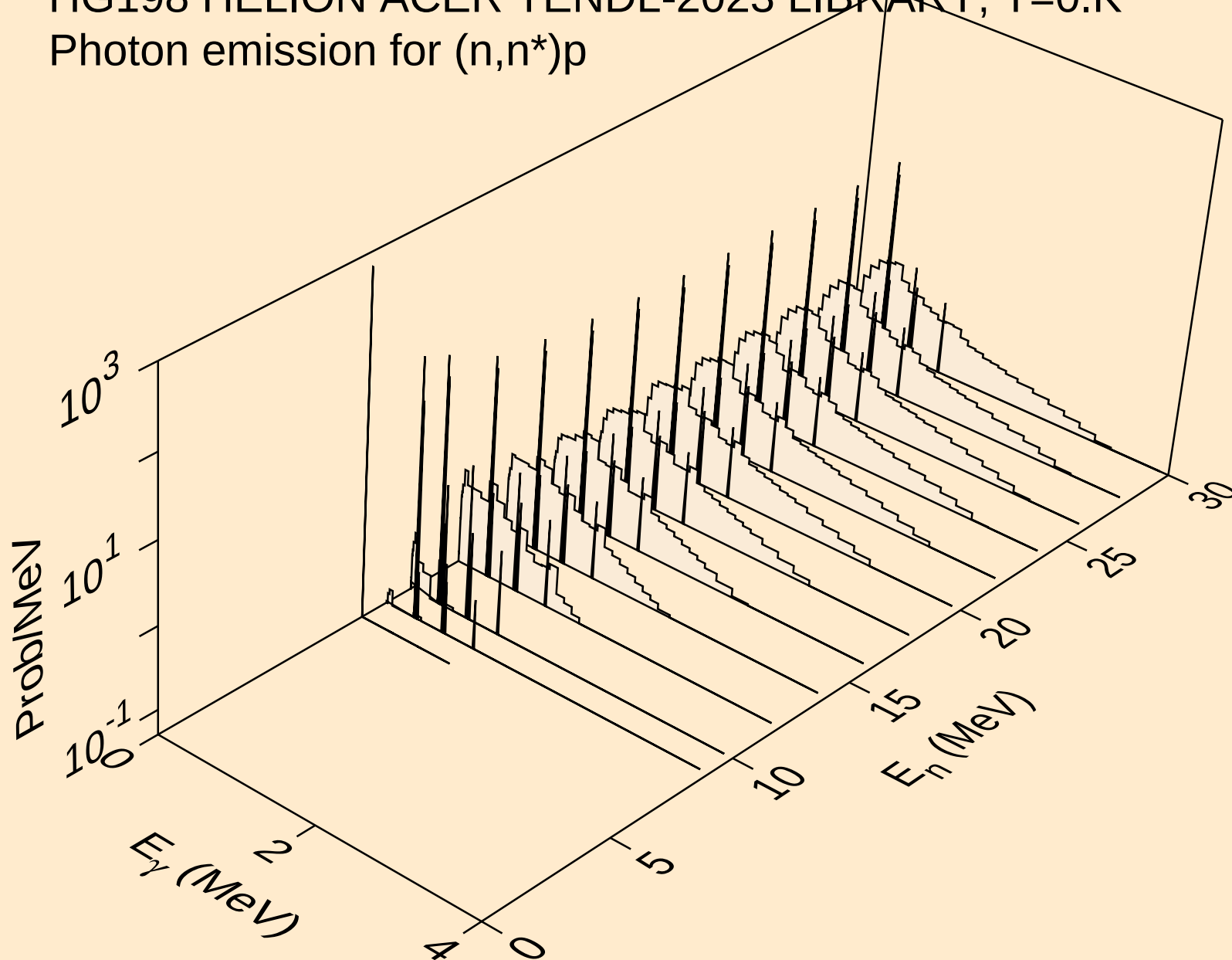




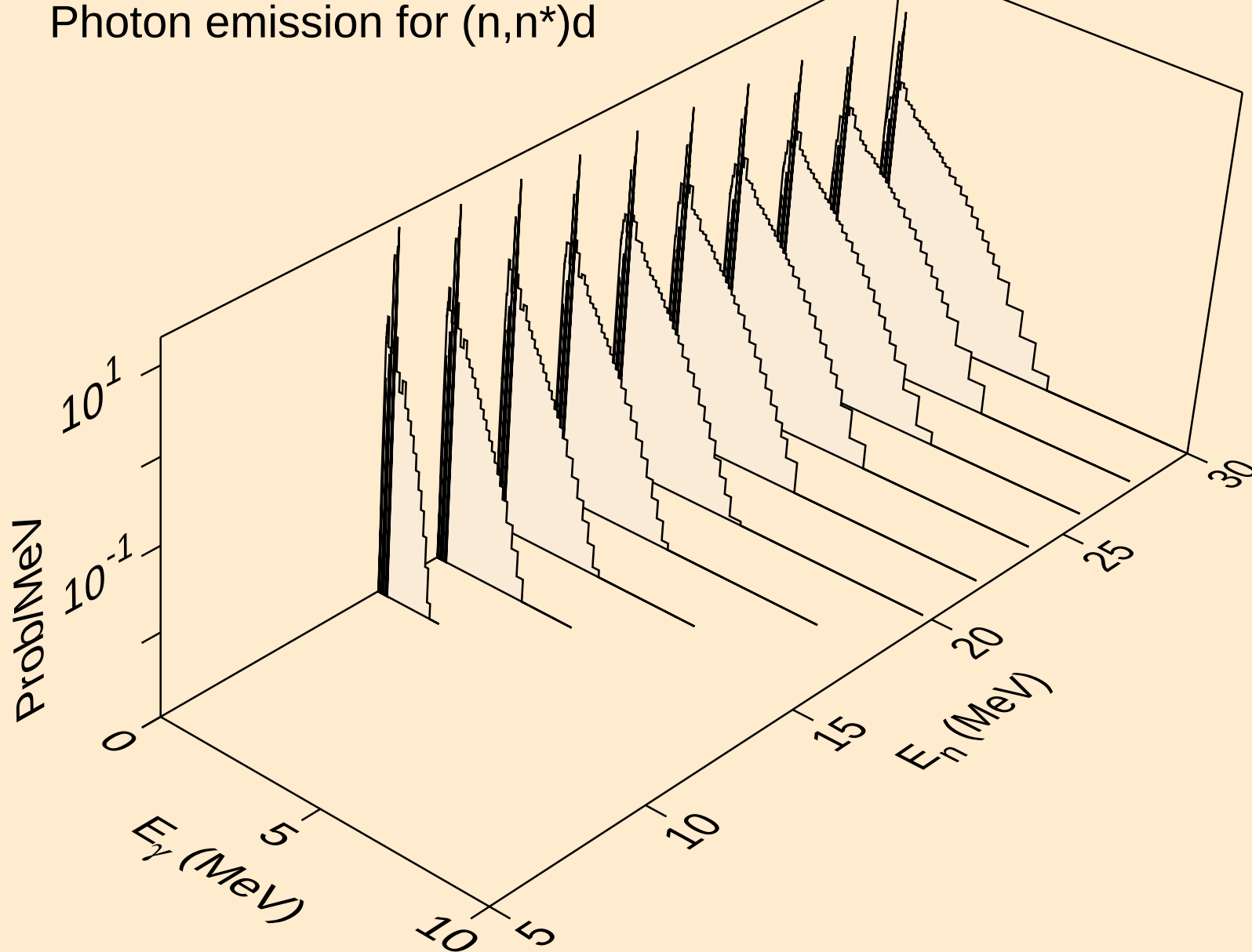
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



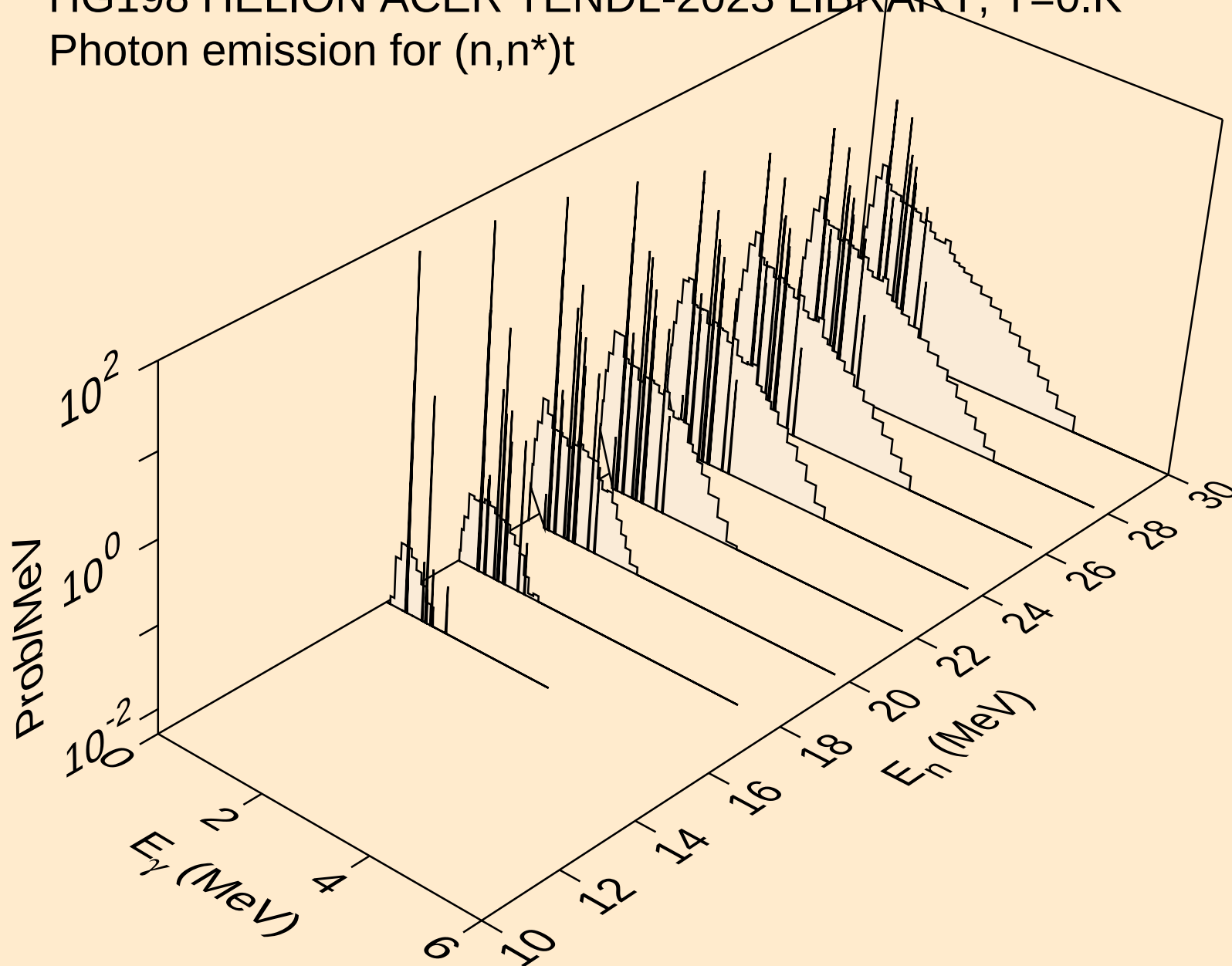
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



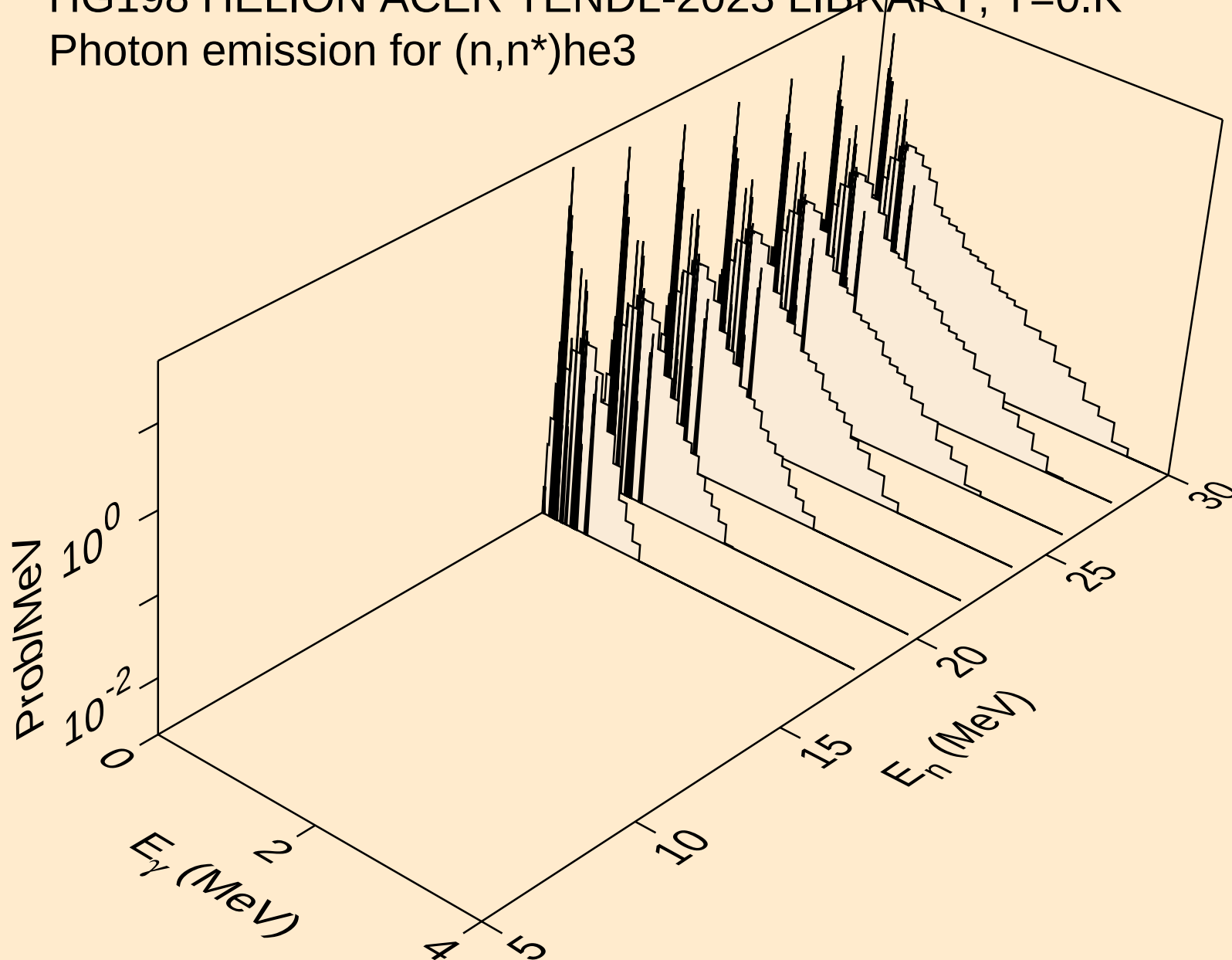
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



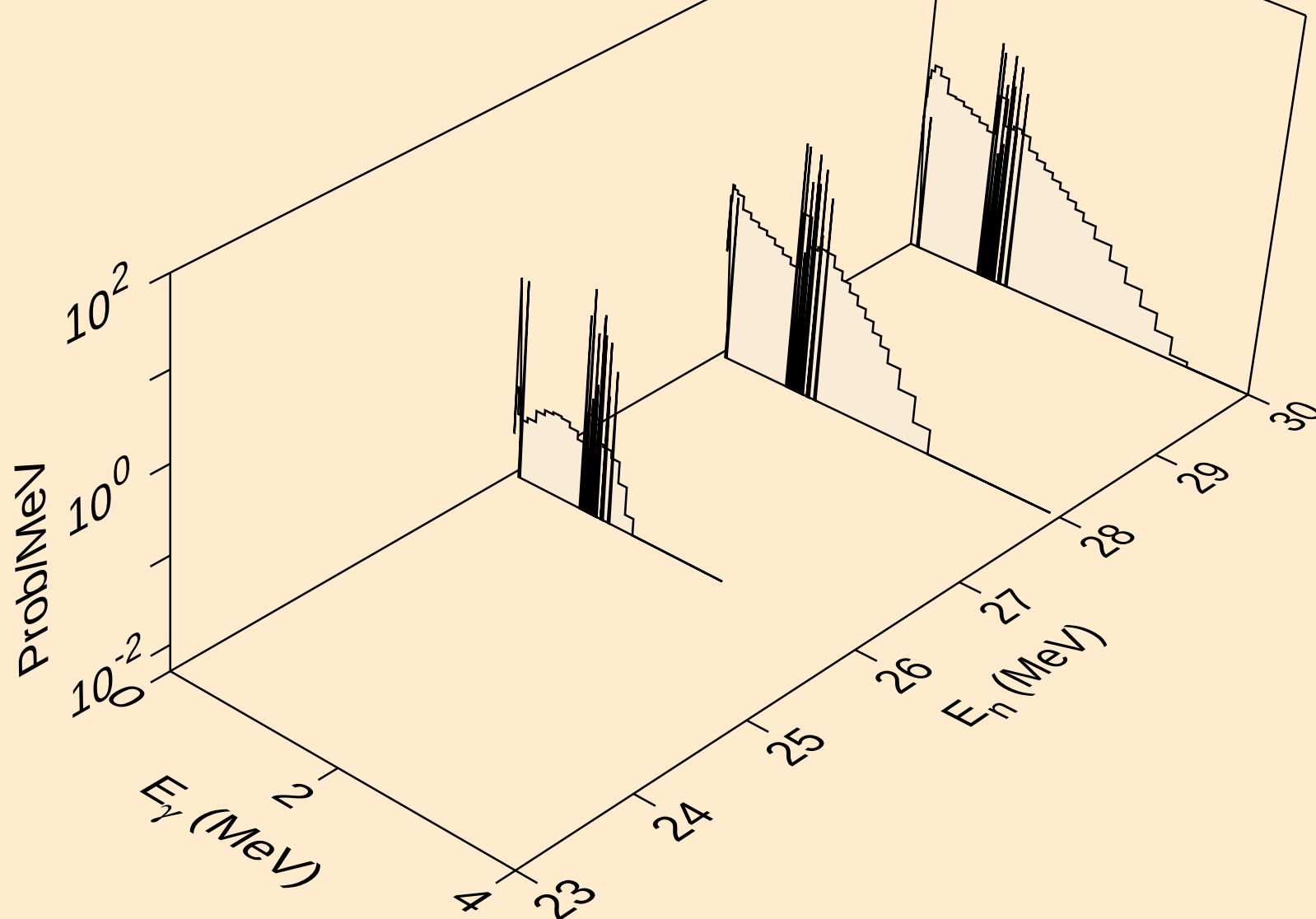
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



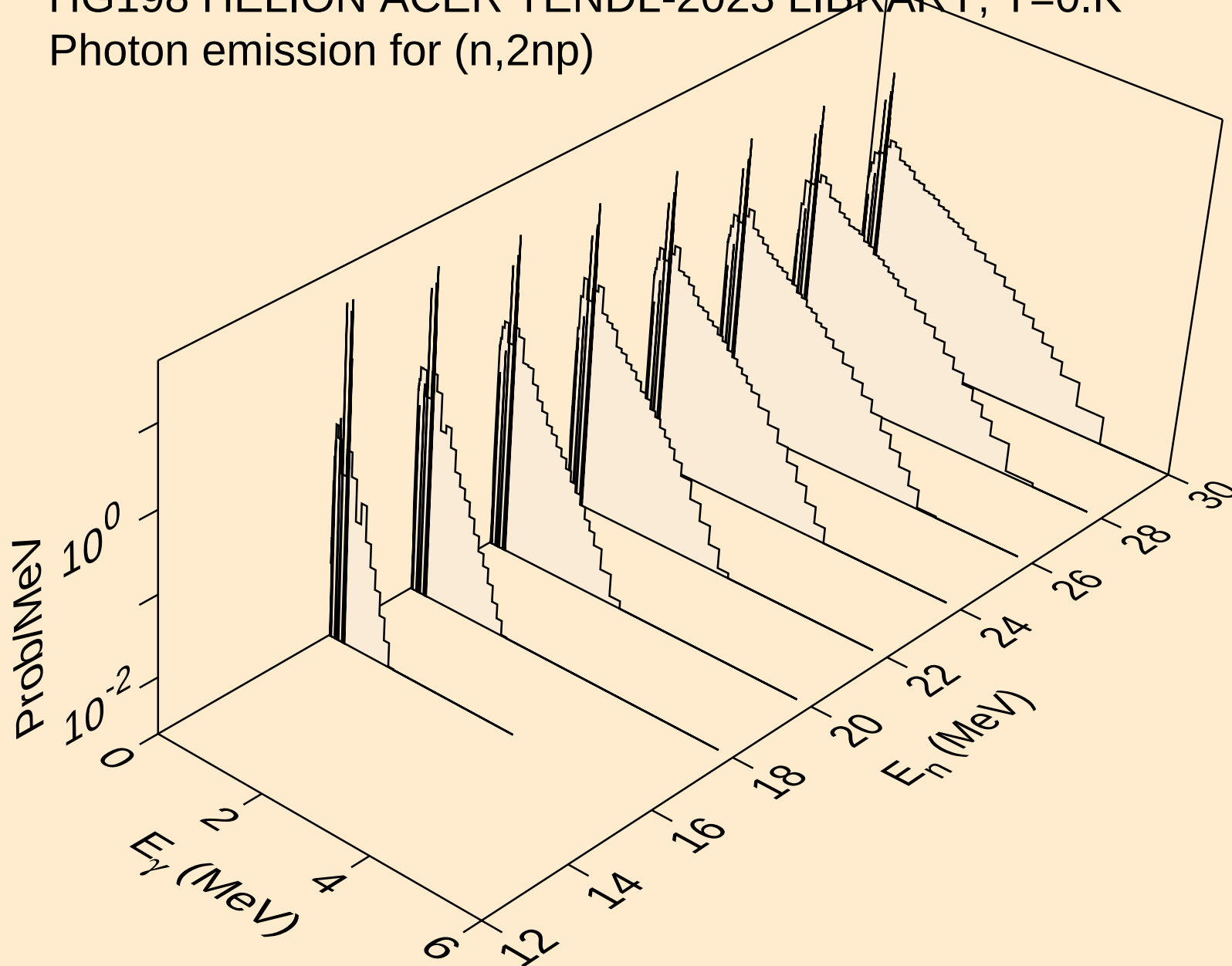
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



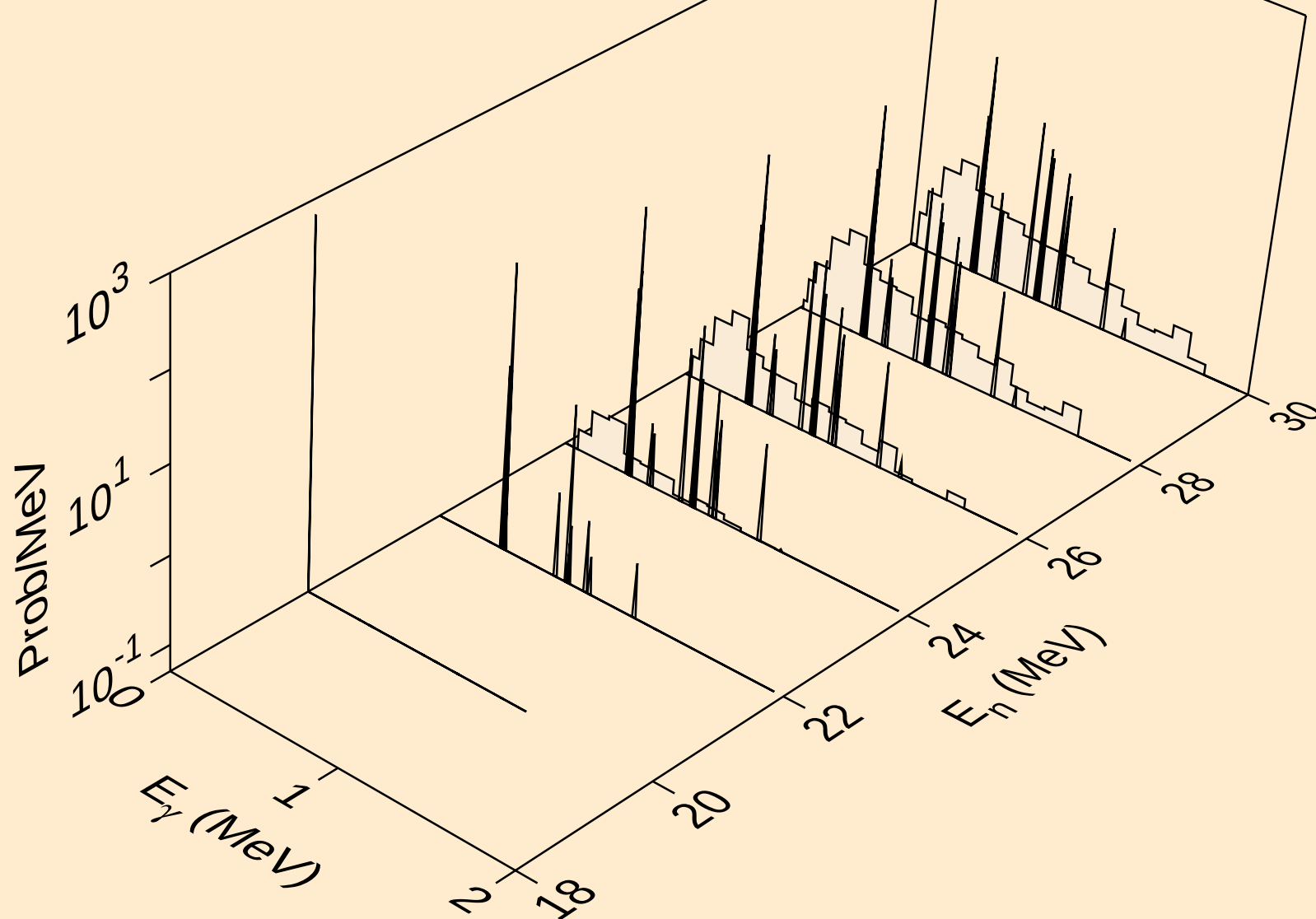
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

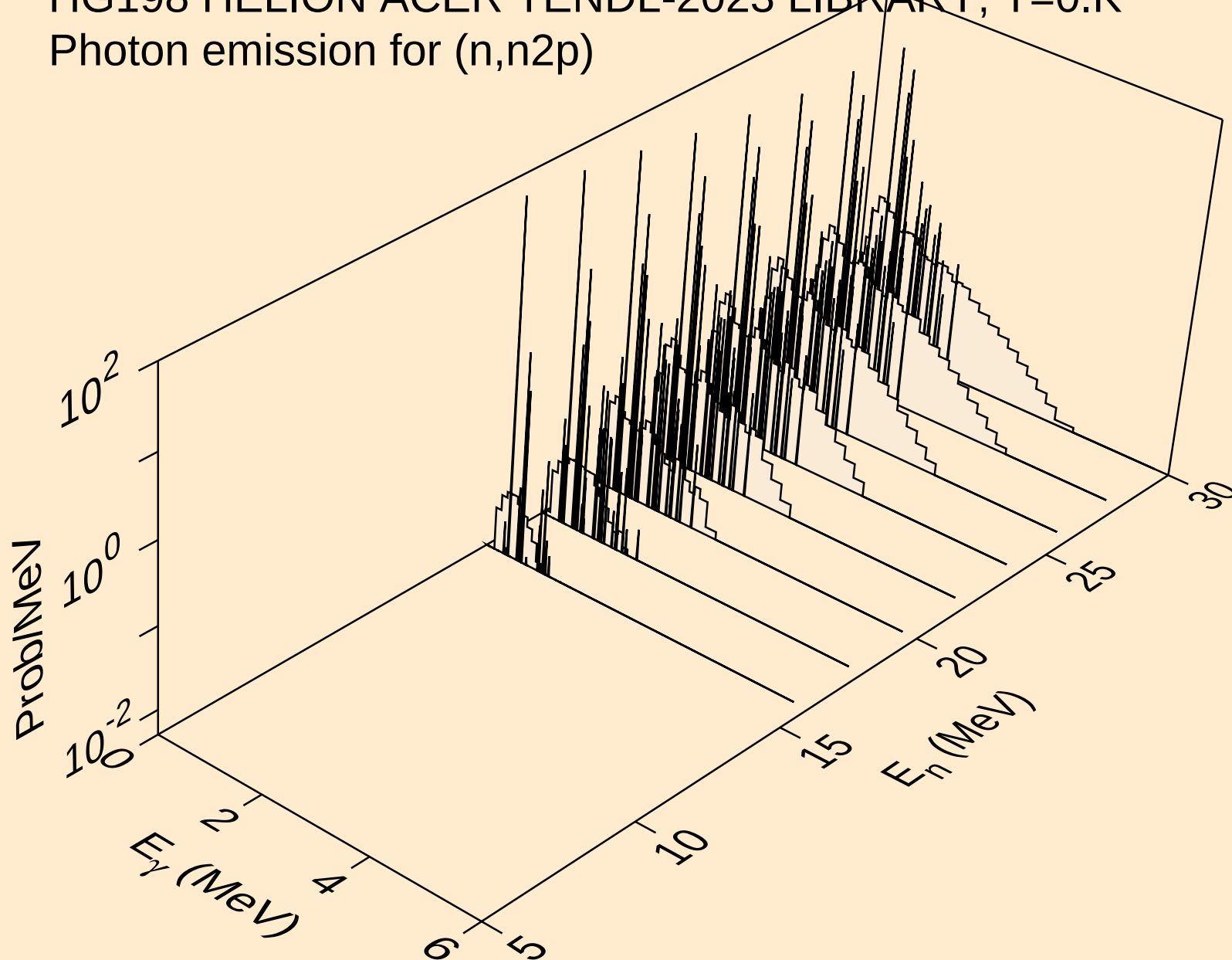


HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)

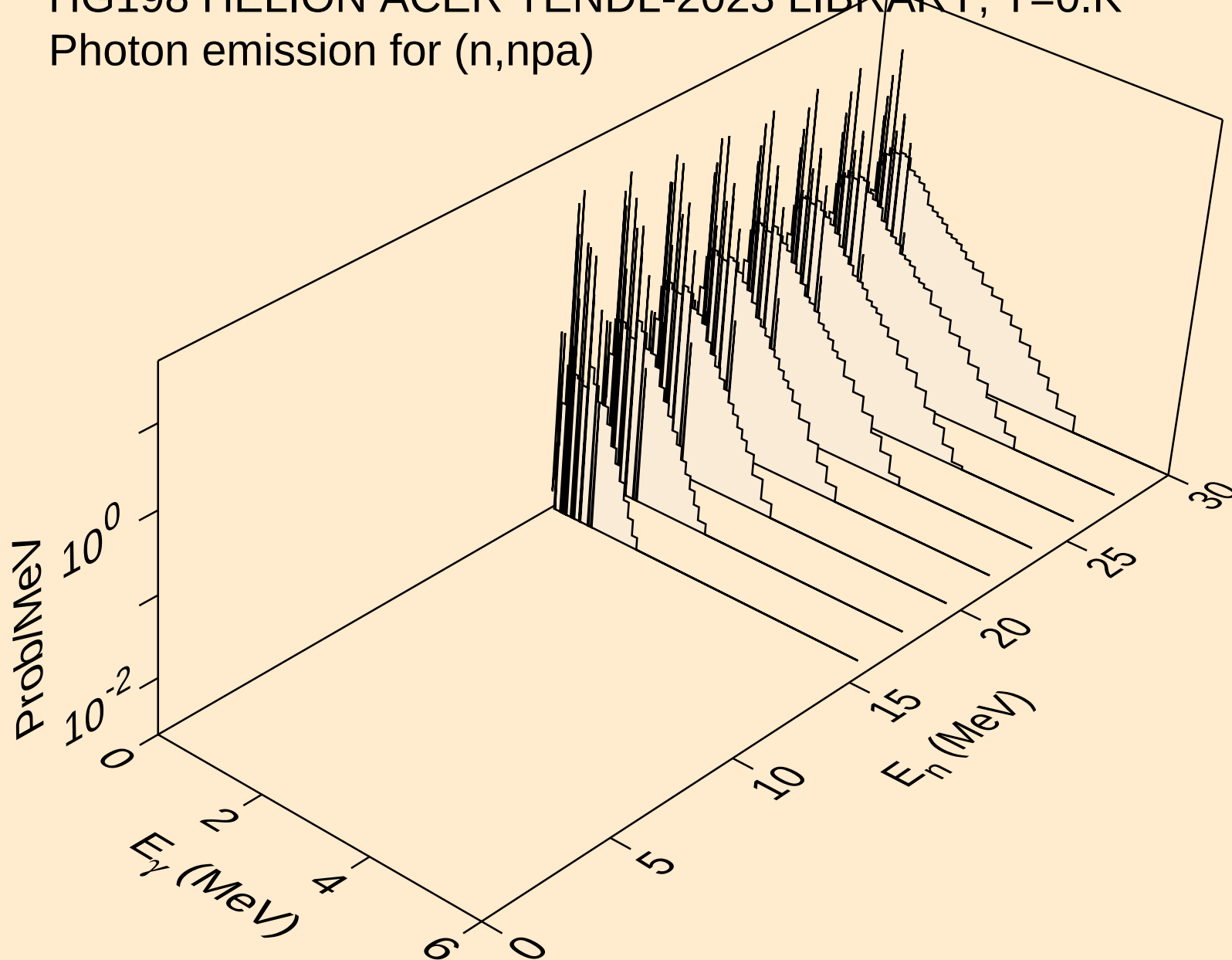




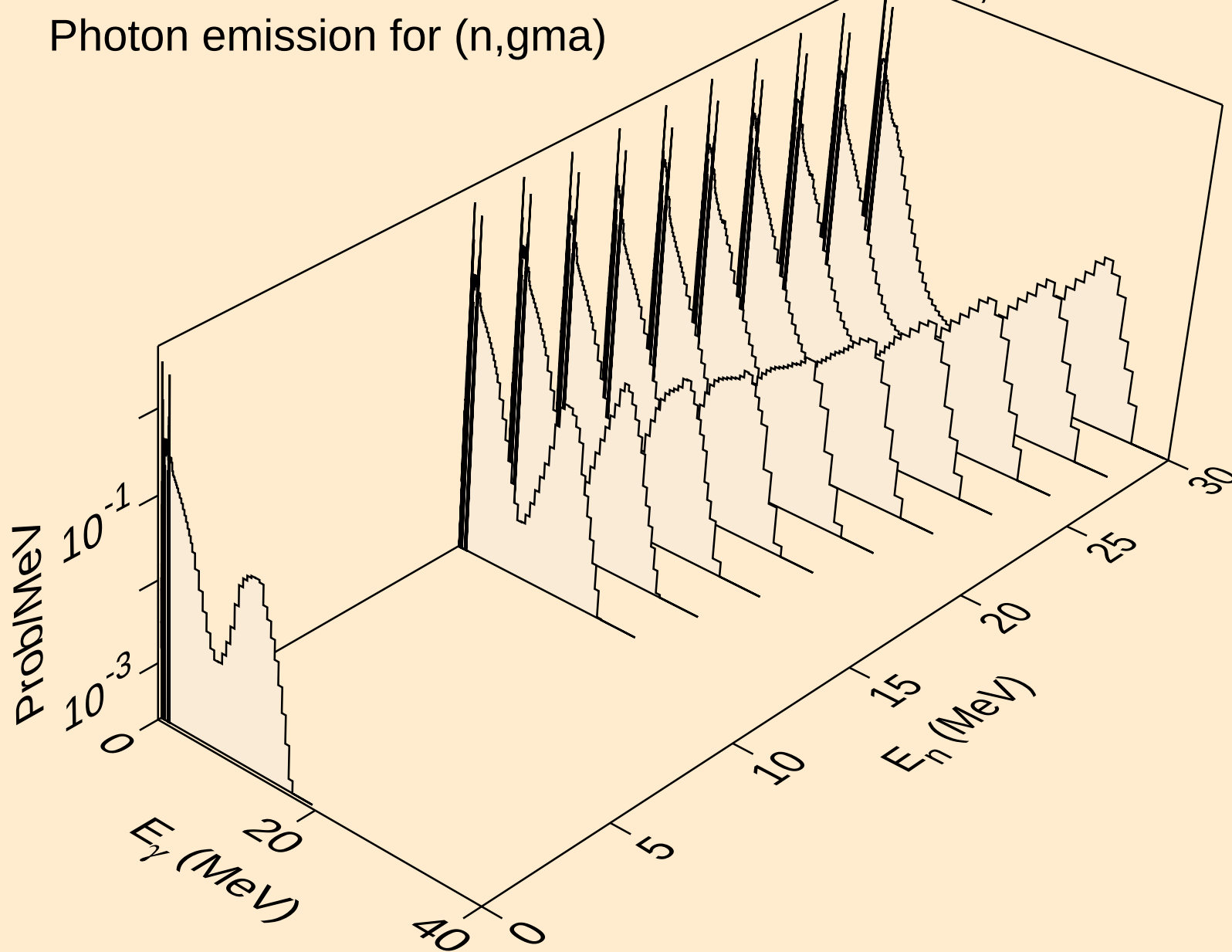
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



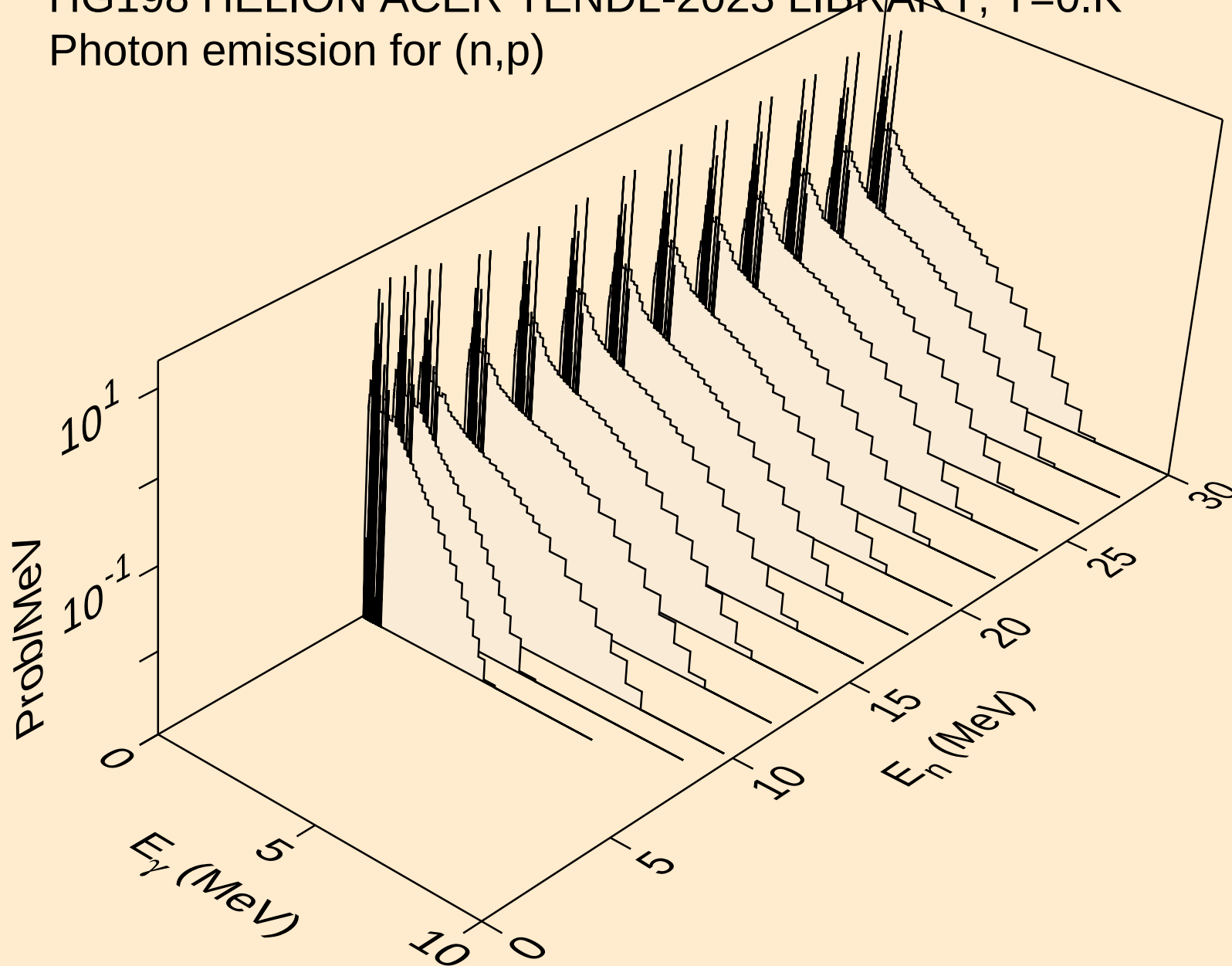
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



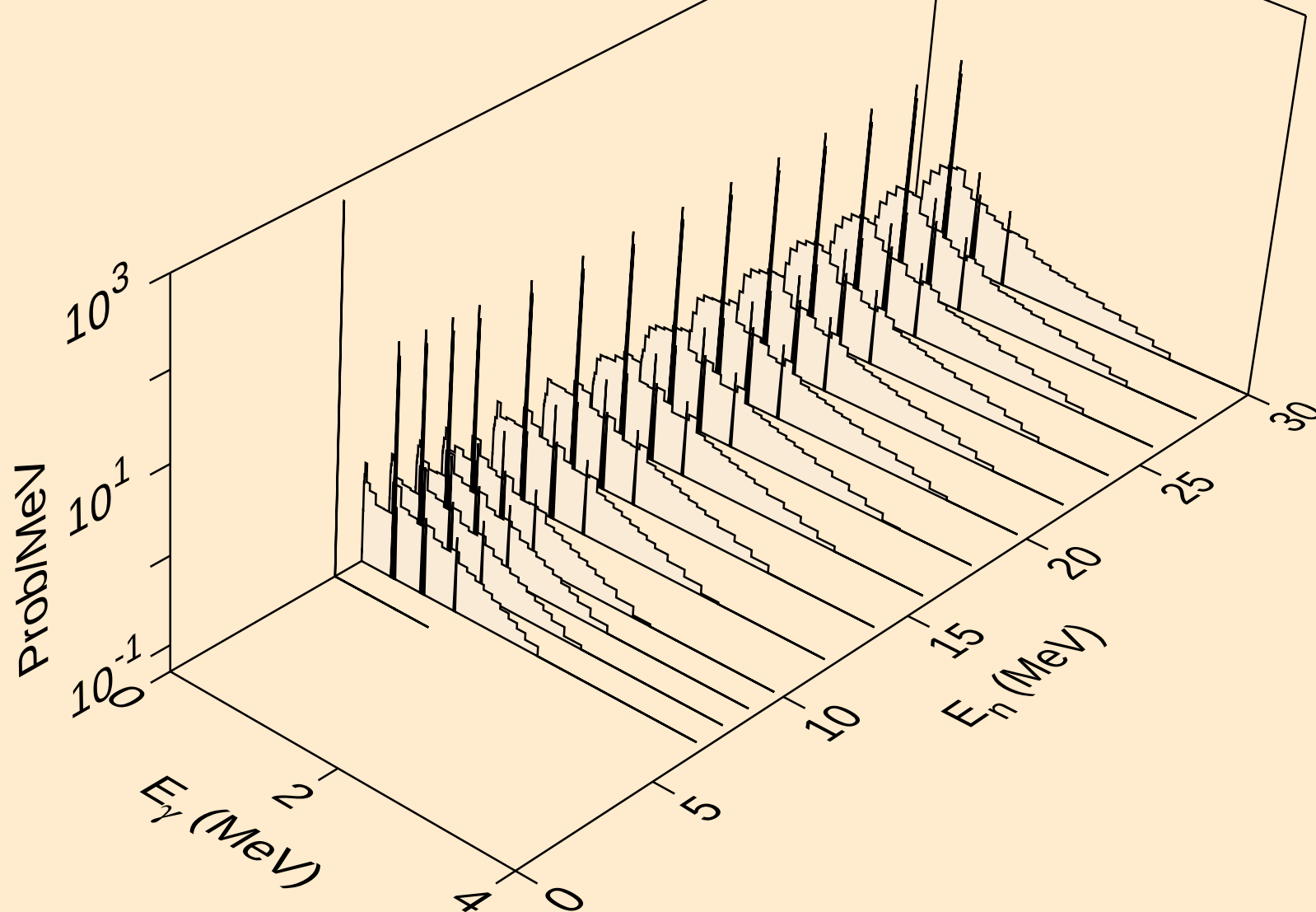
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



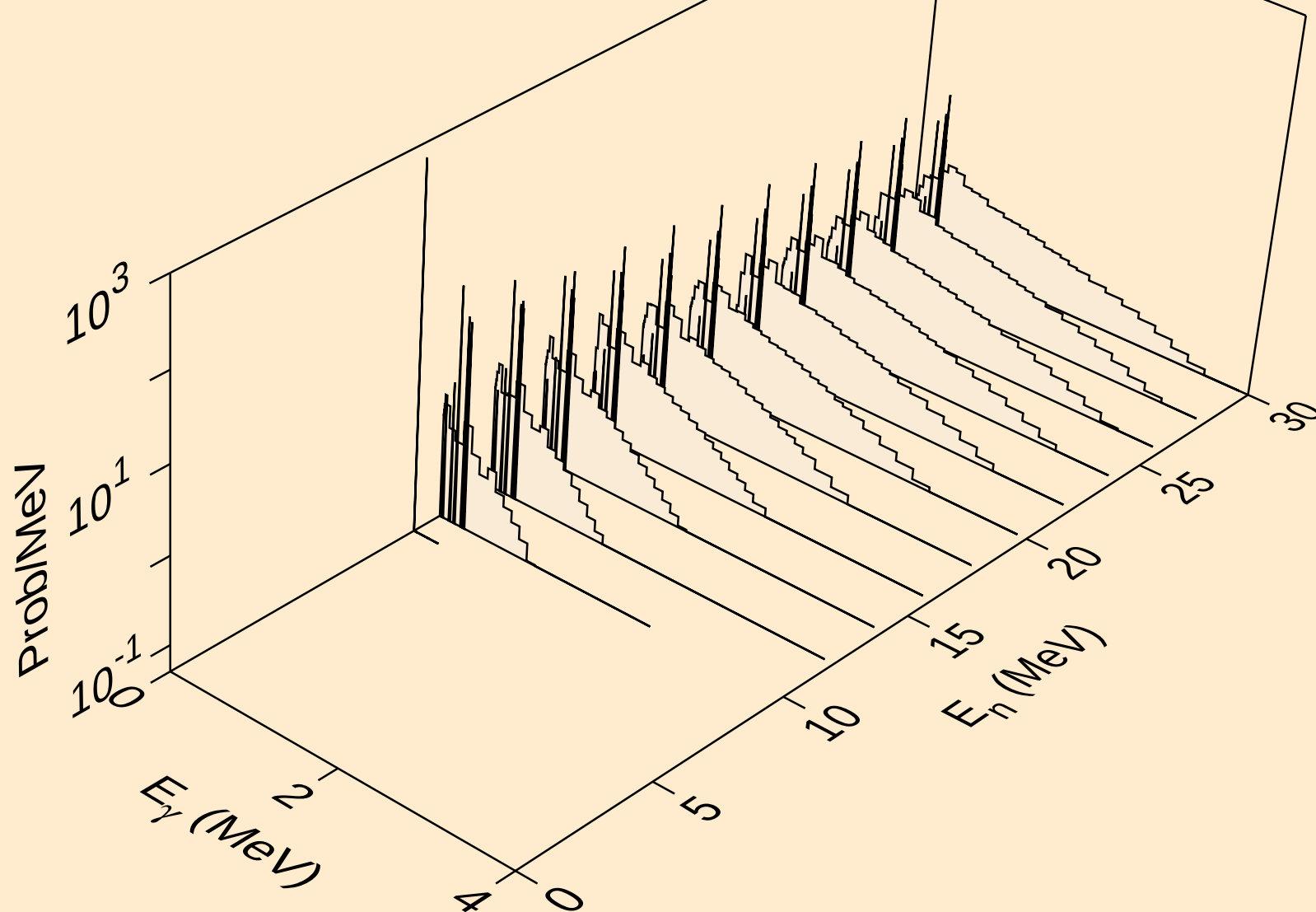
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



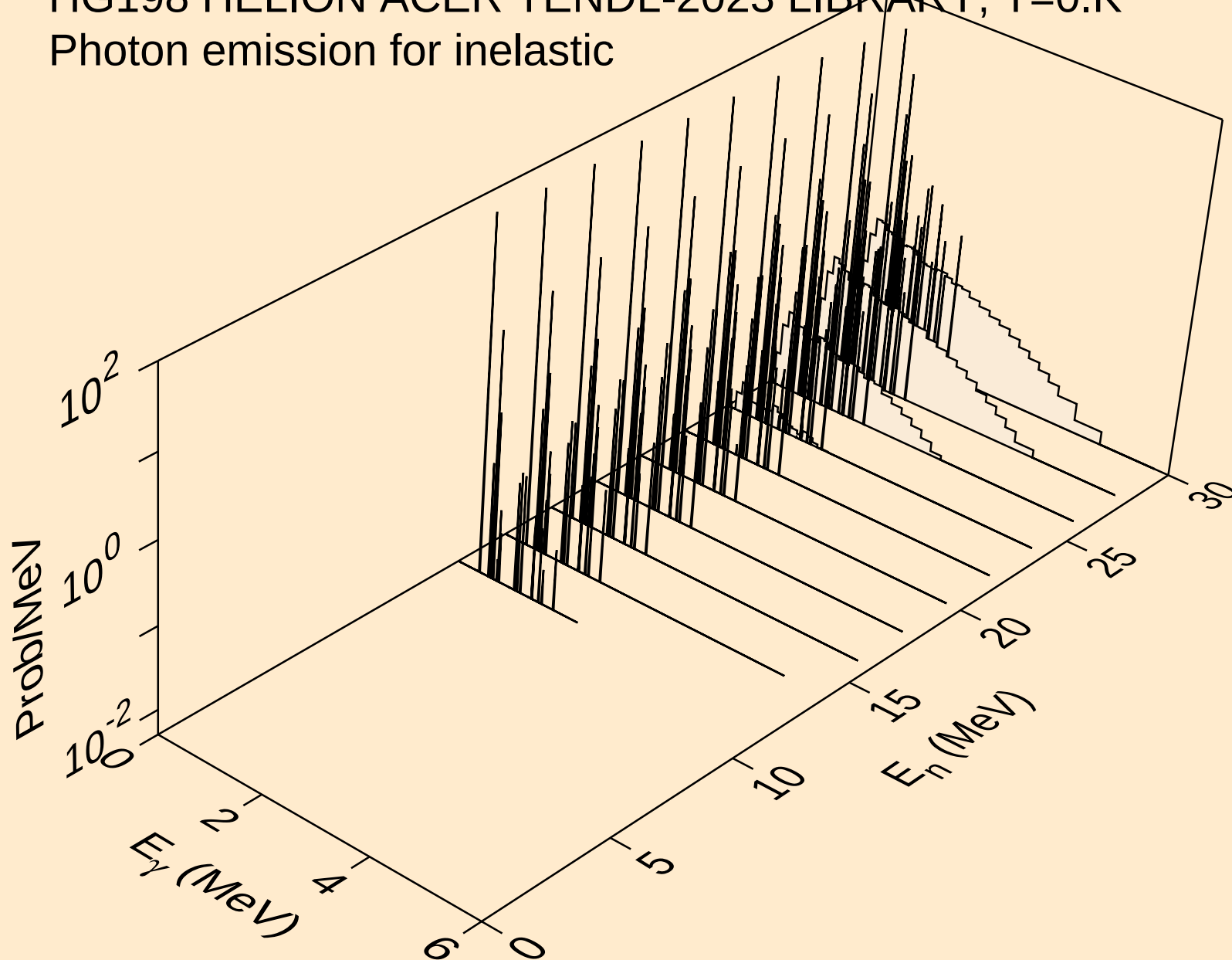
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



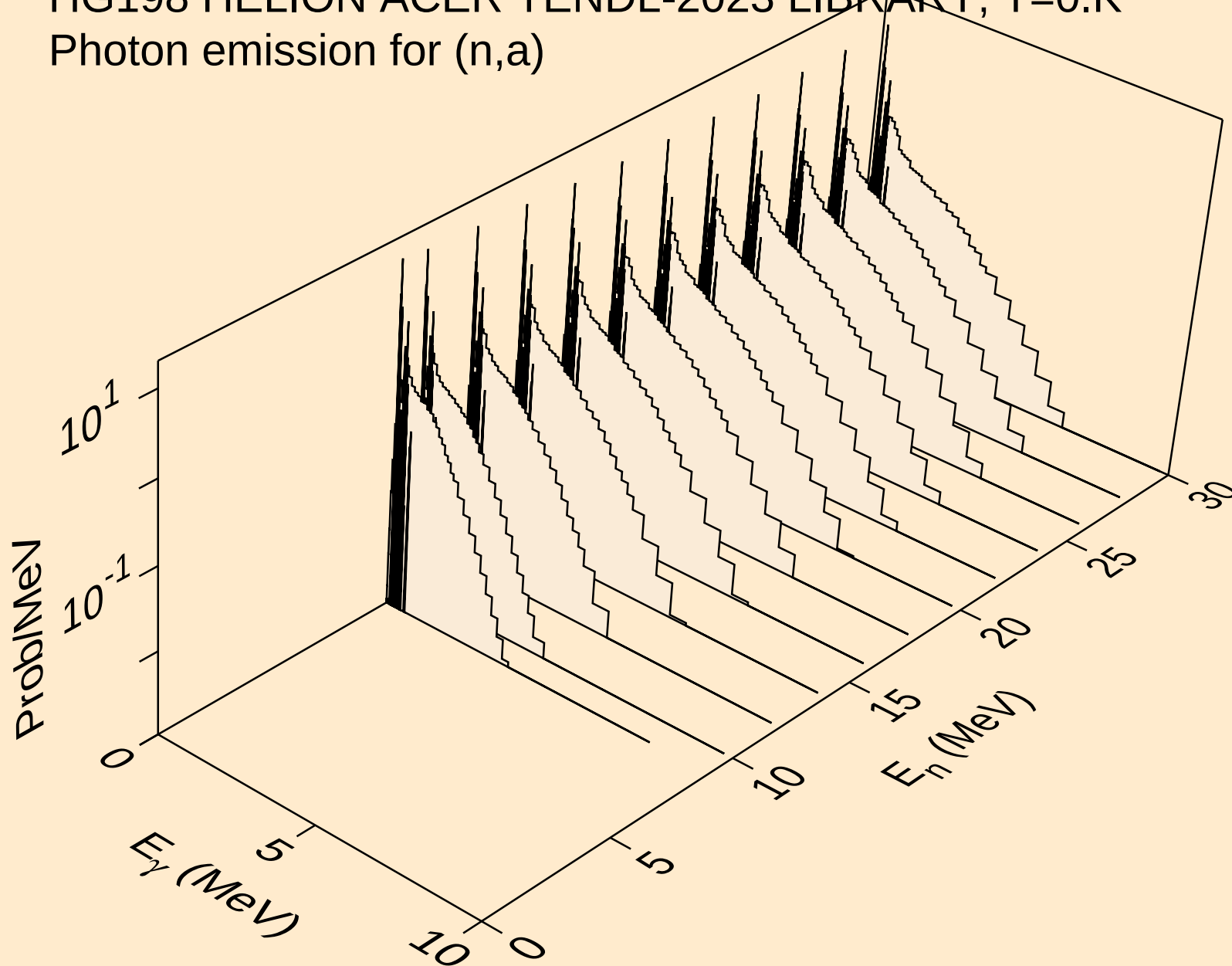
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic

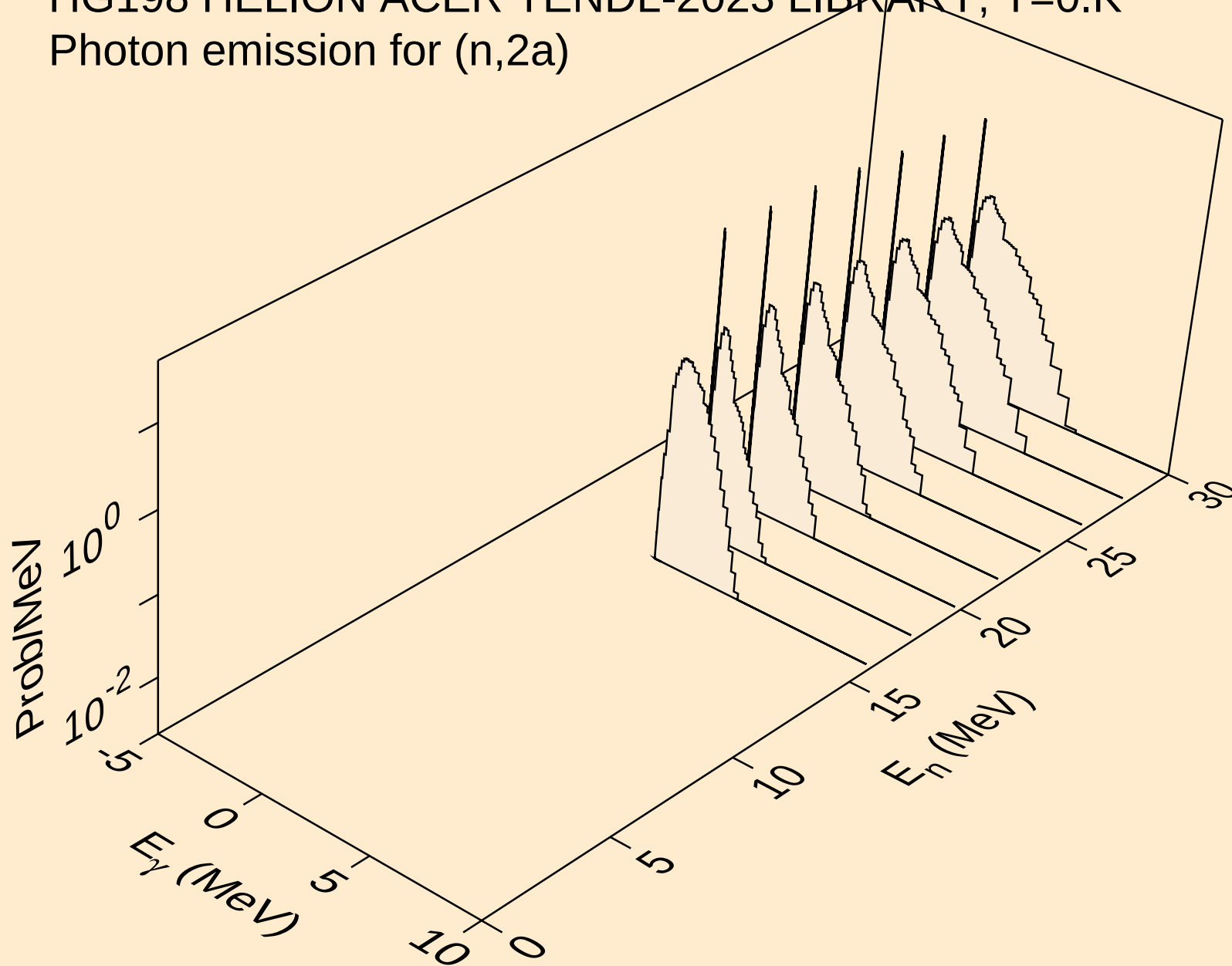


HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

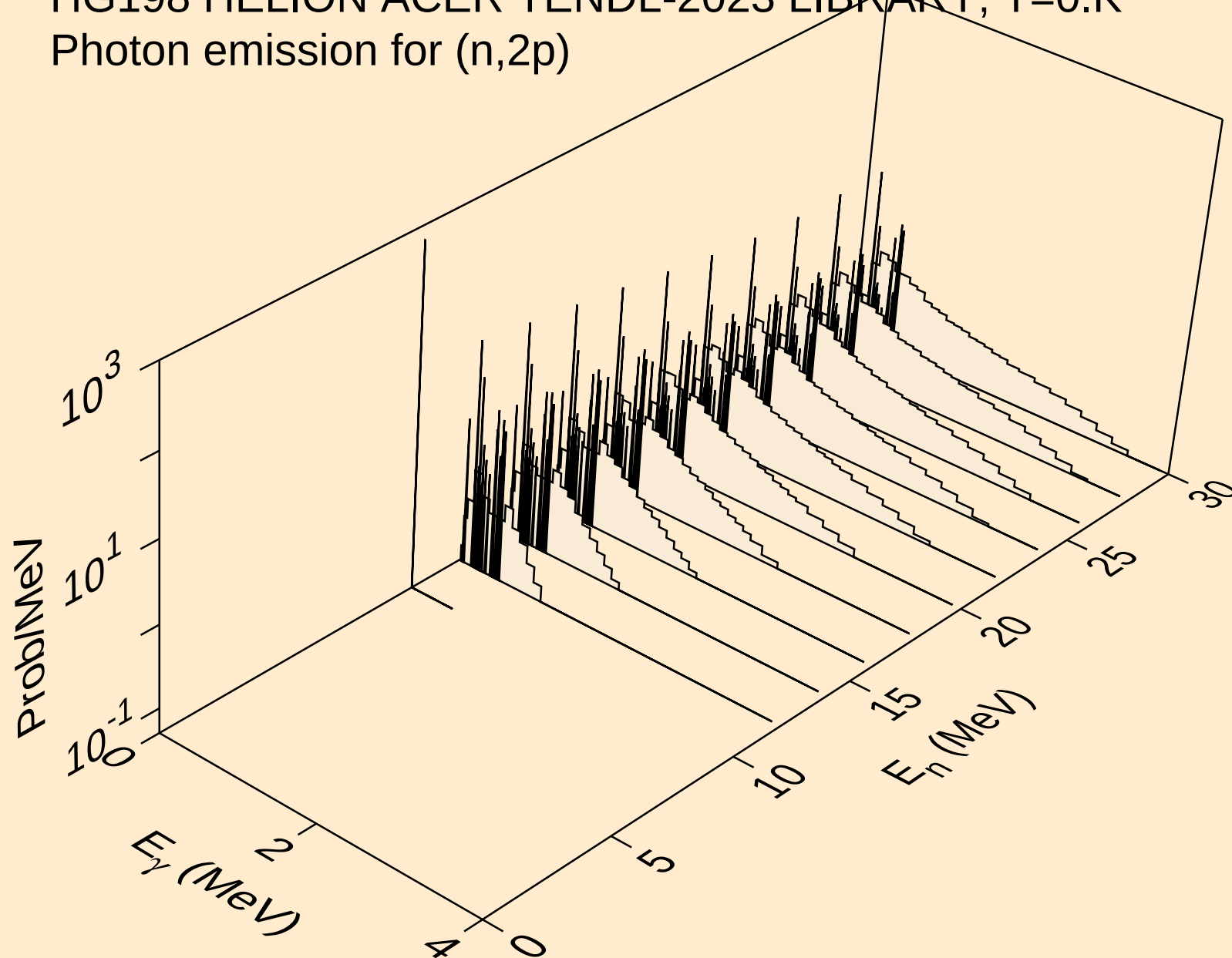




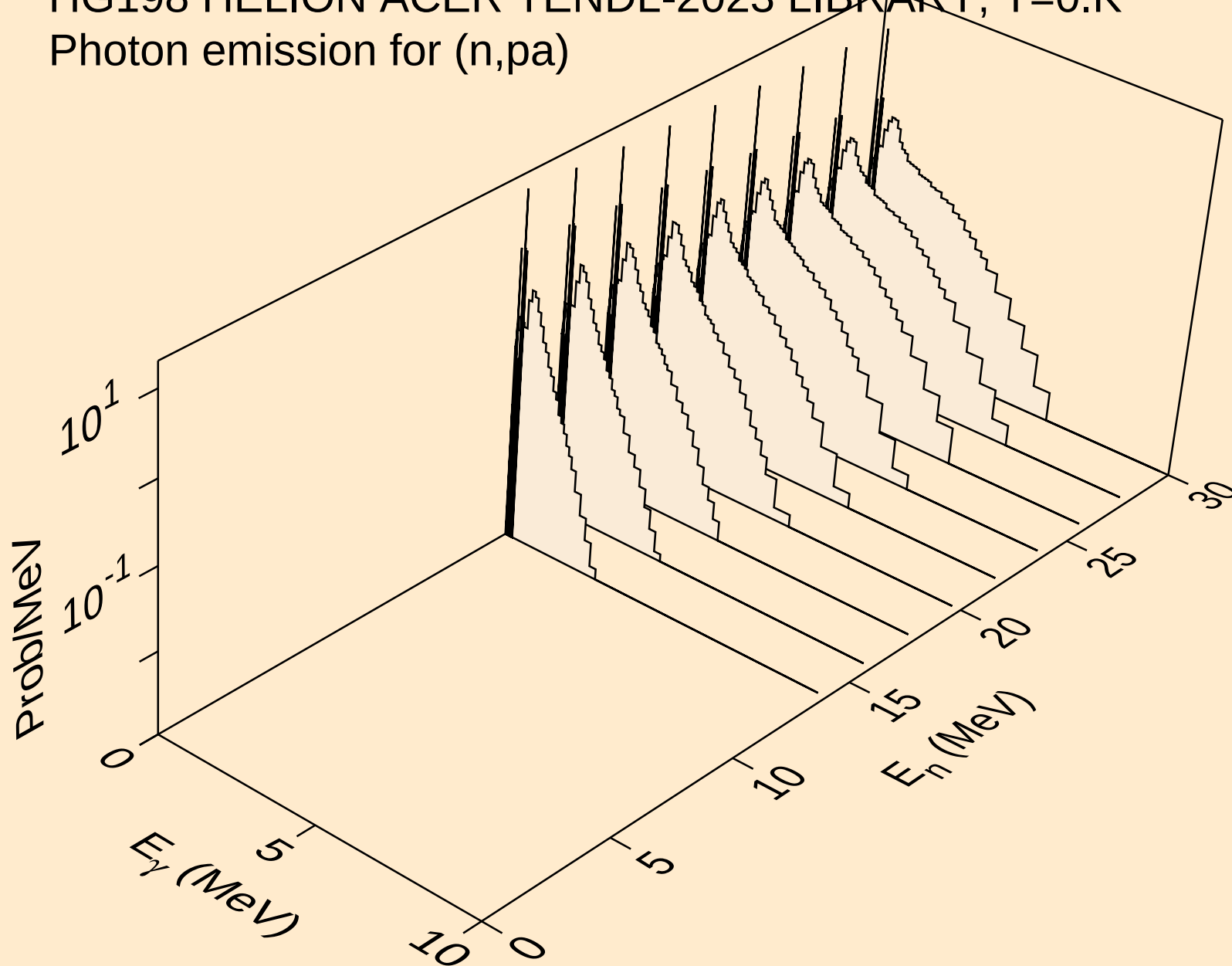
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



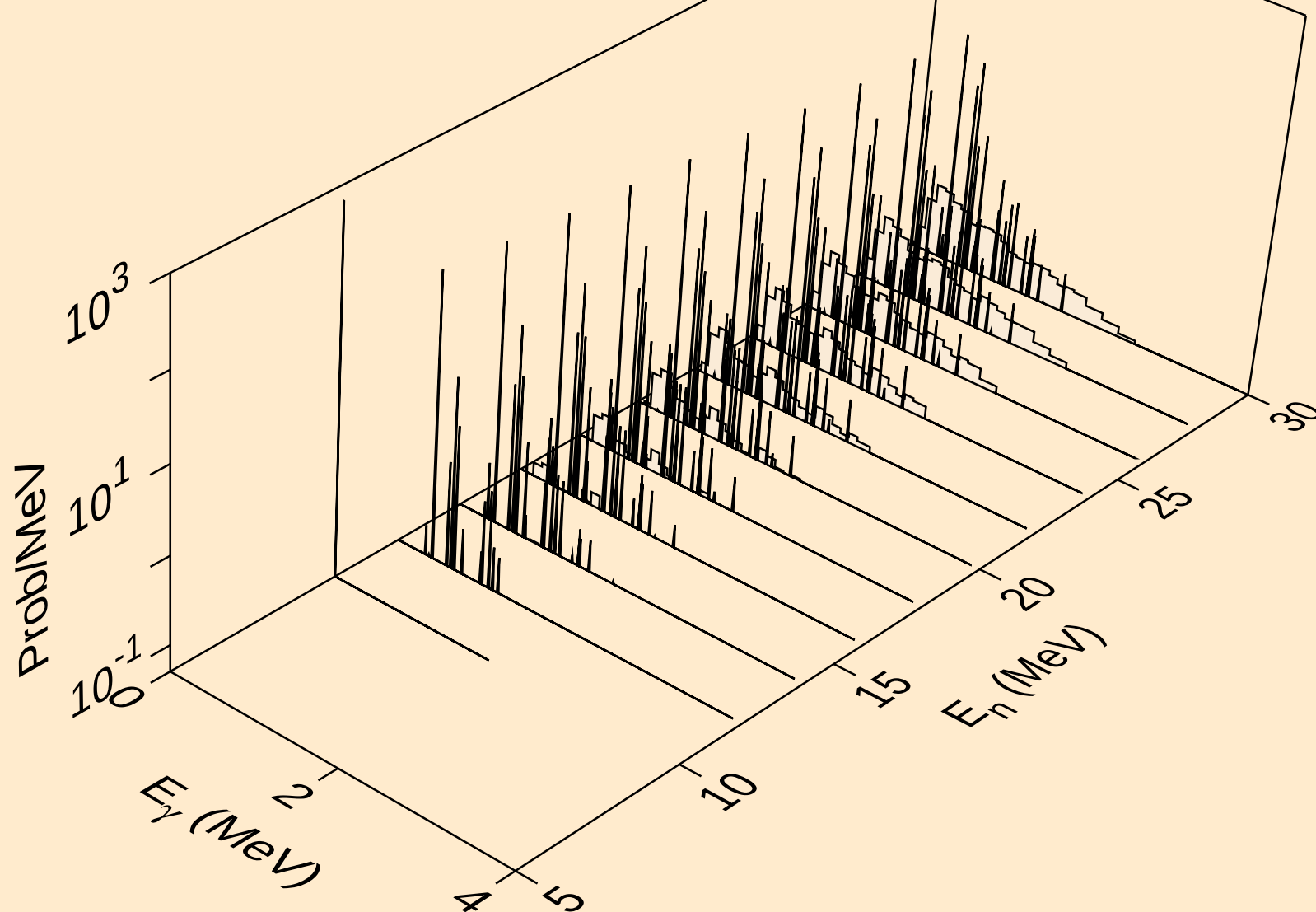
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



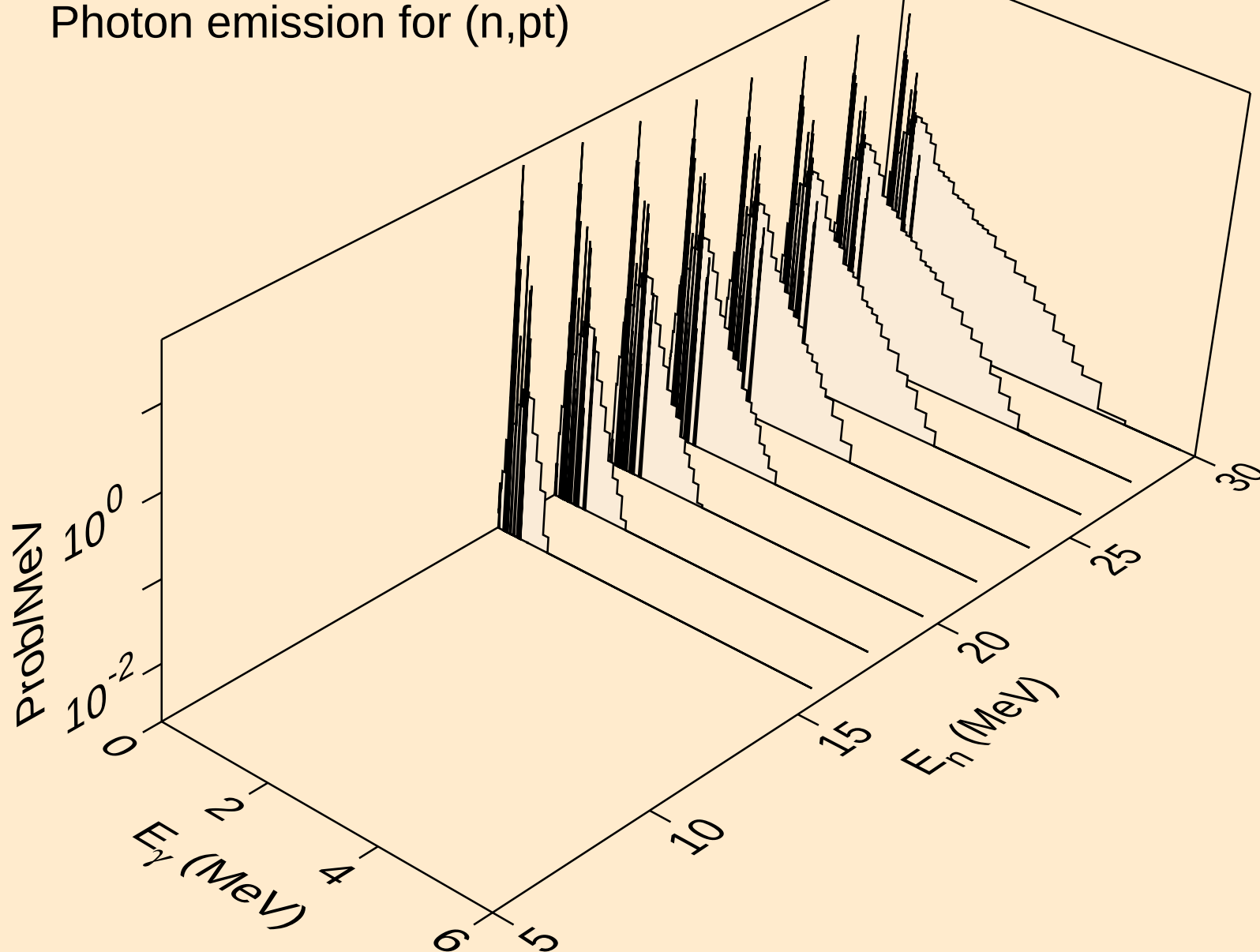
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



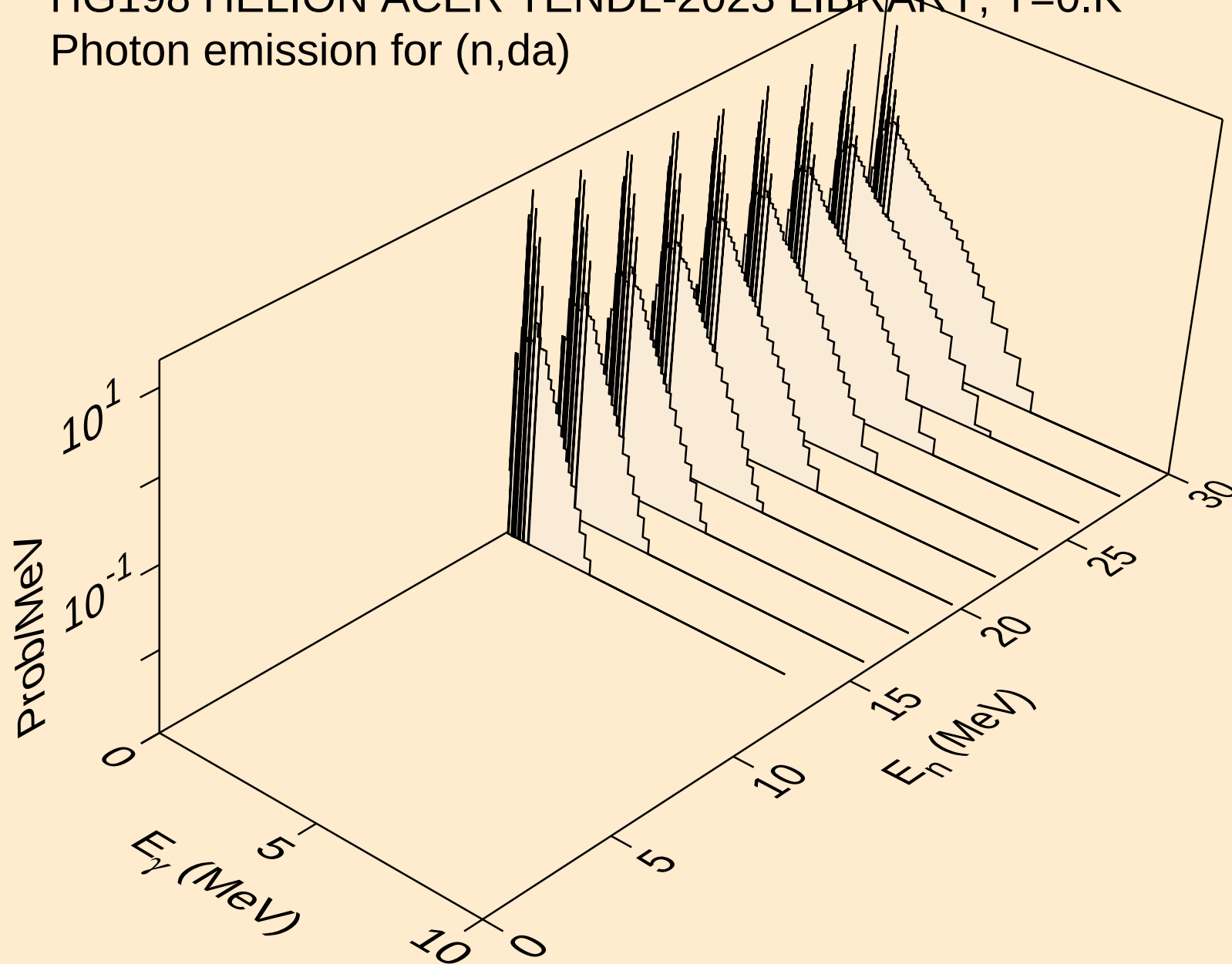
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

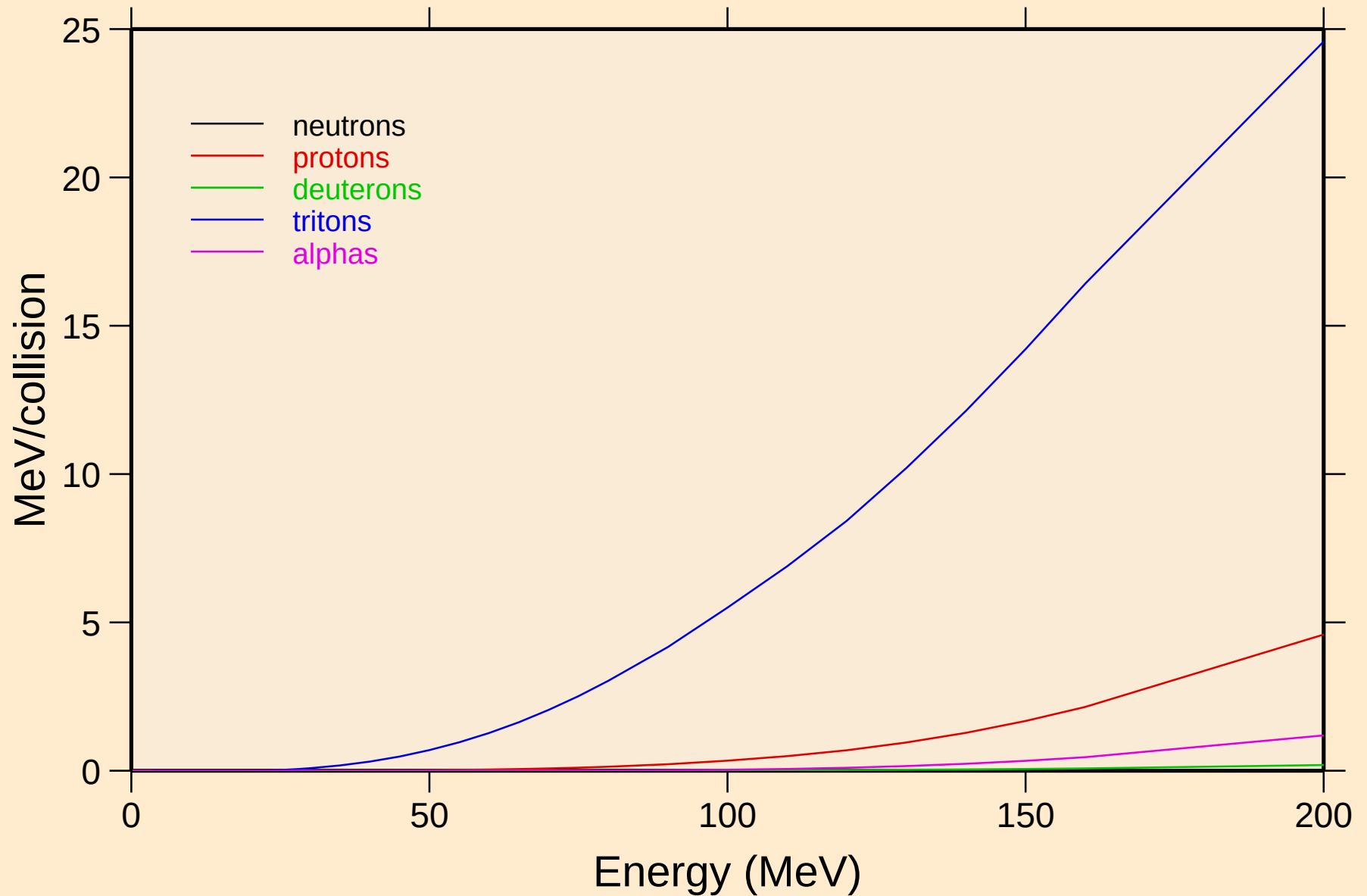


HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)

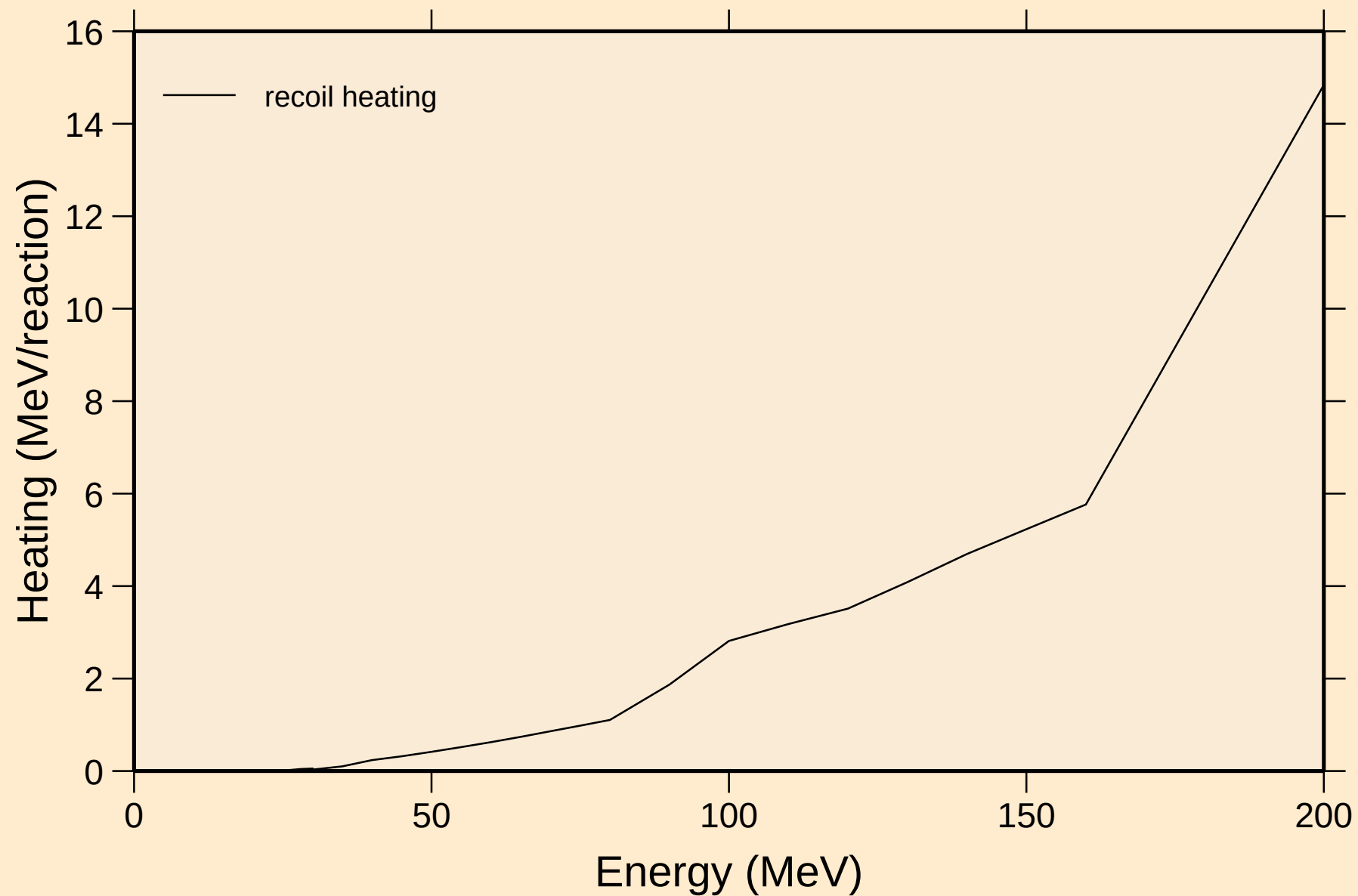


# HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions



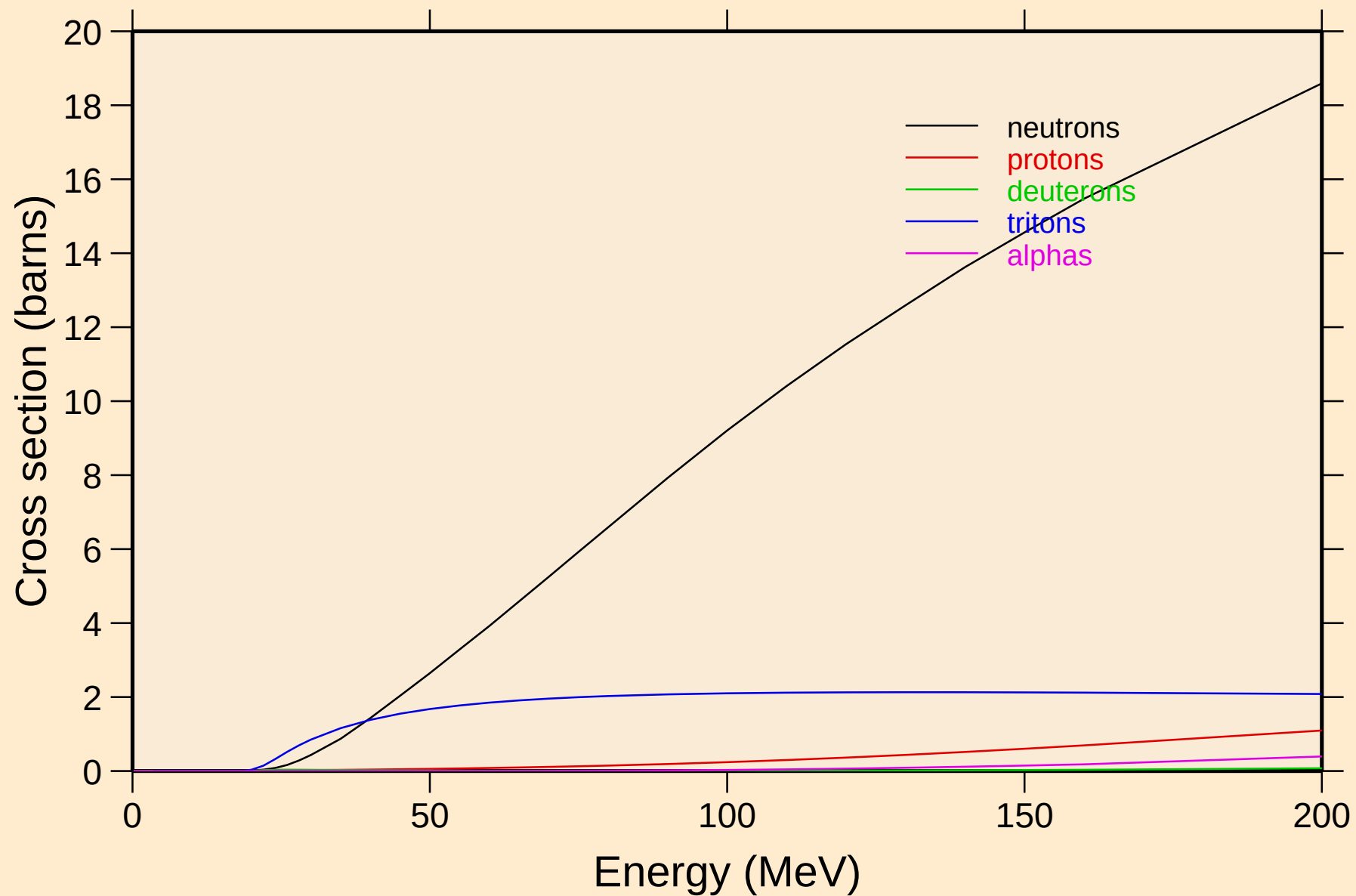
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



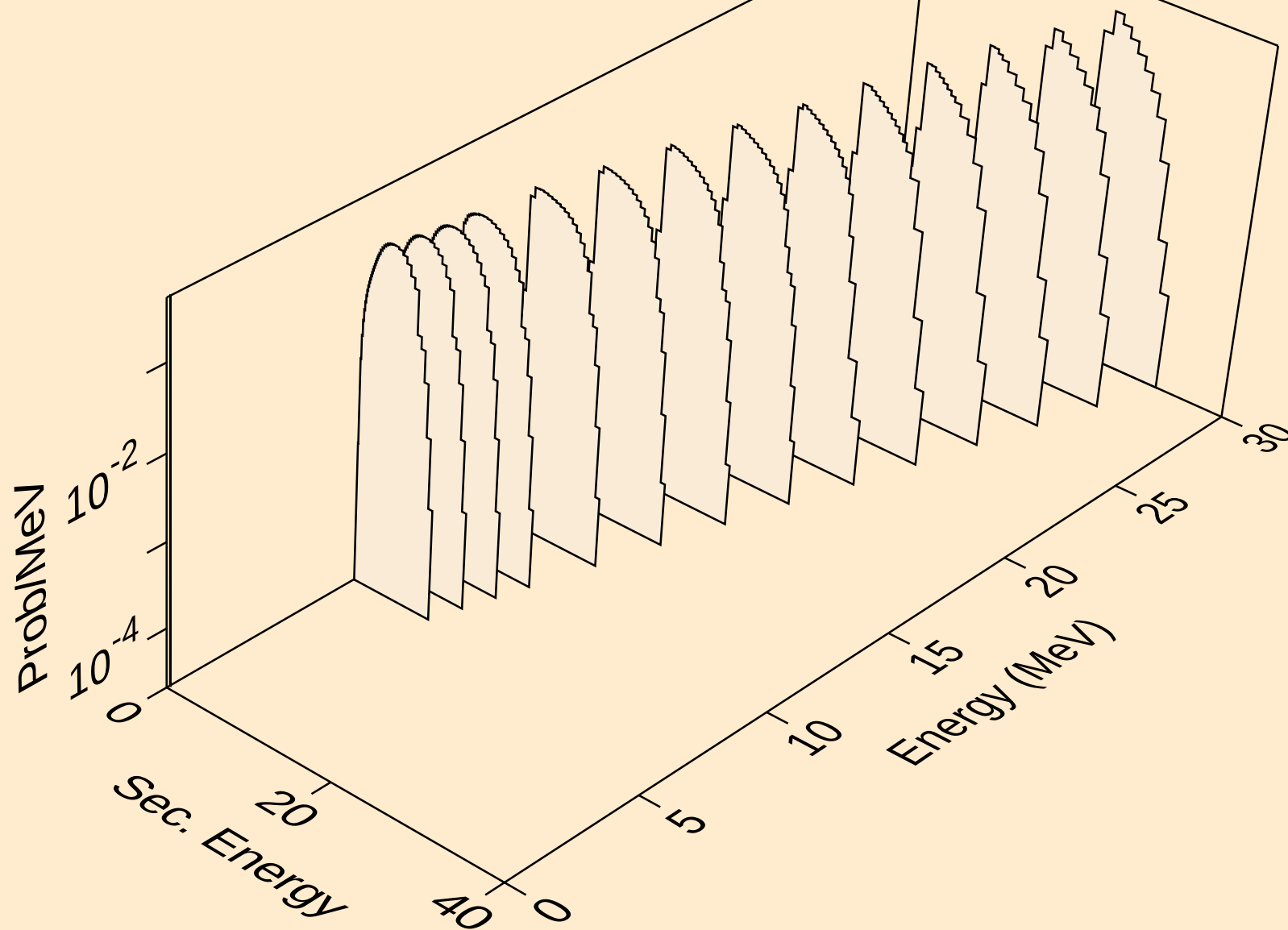


# HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K

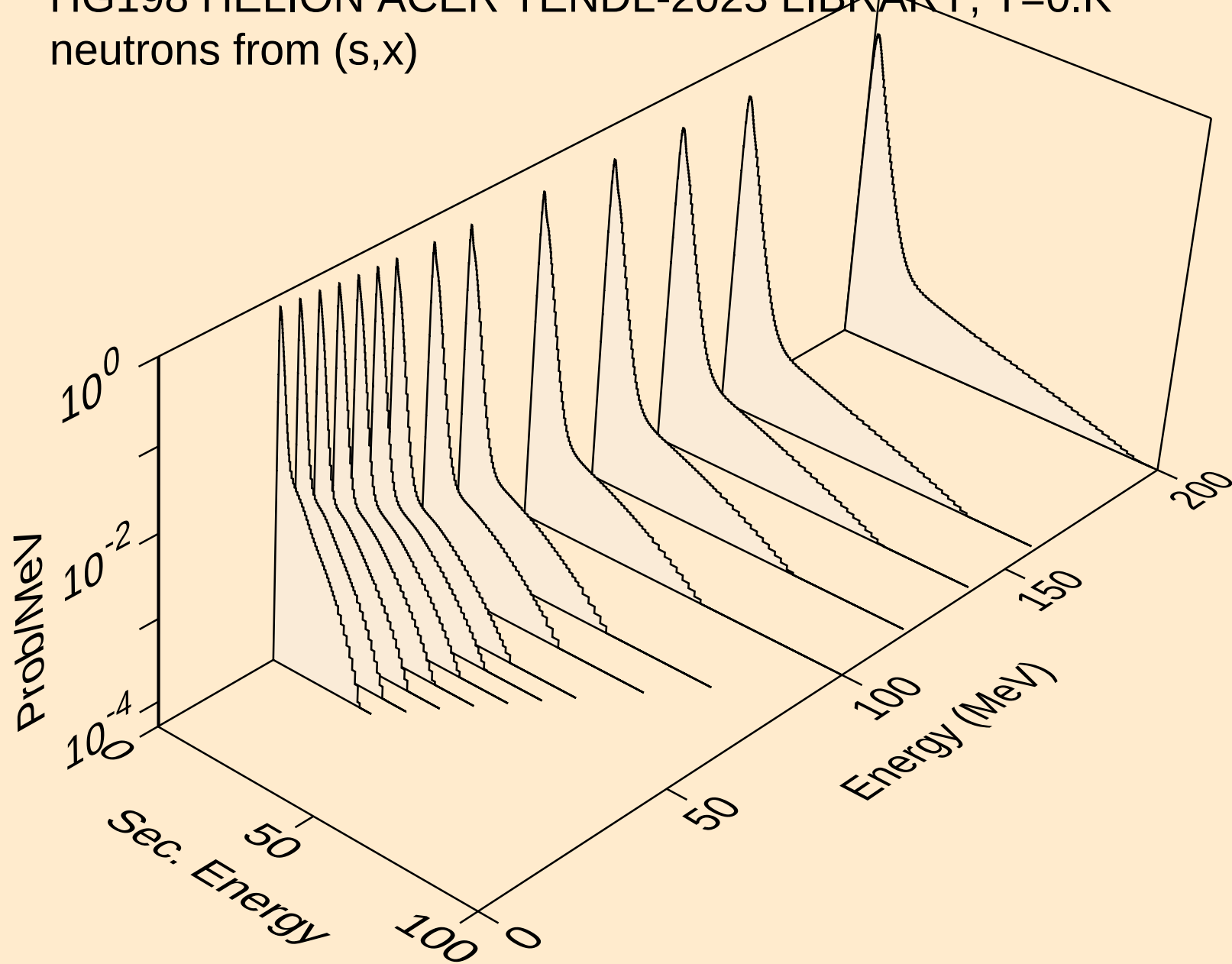
## Particle production cross sections



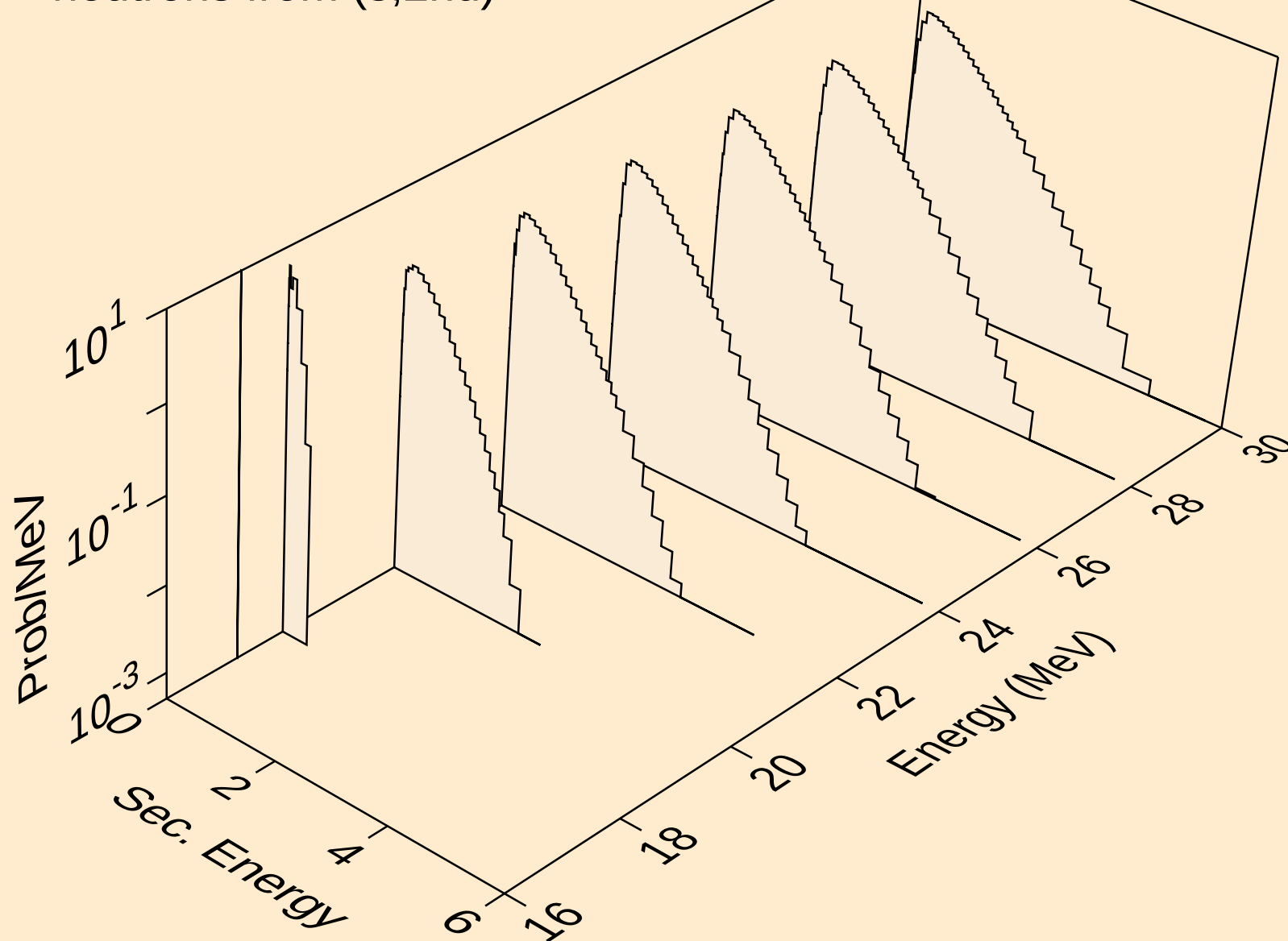
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



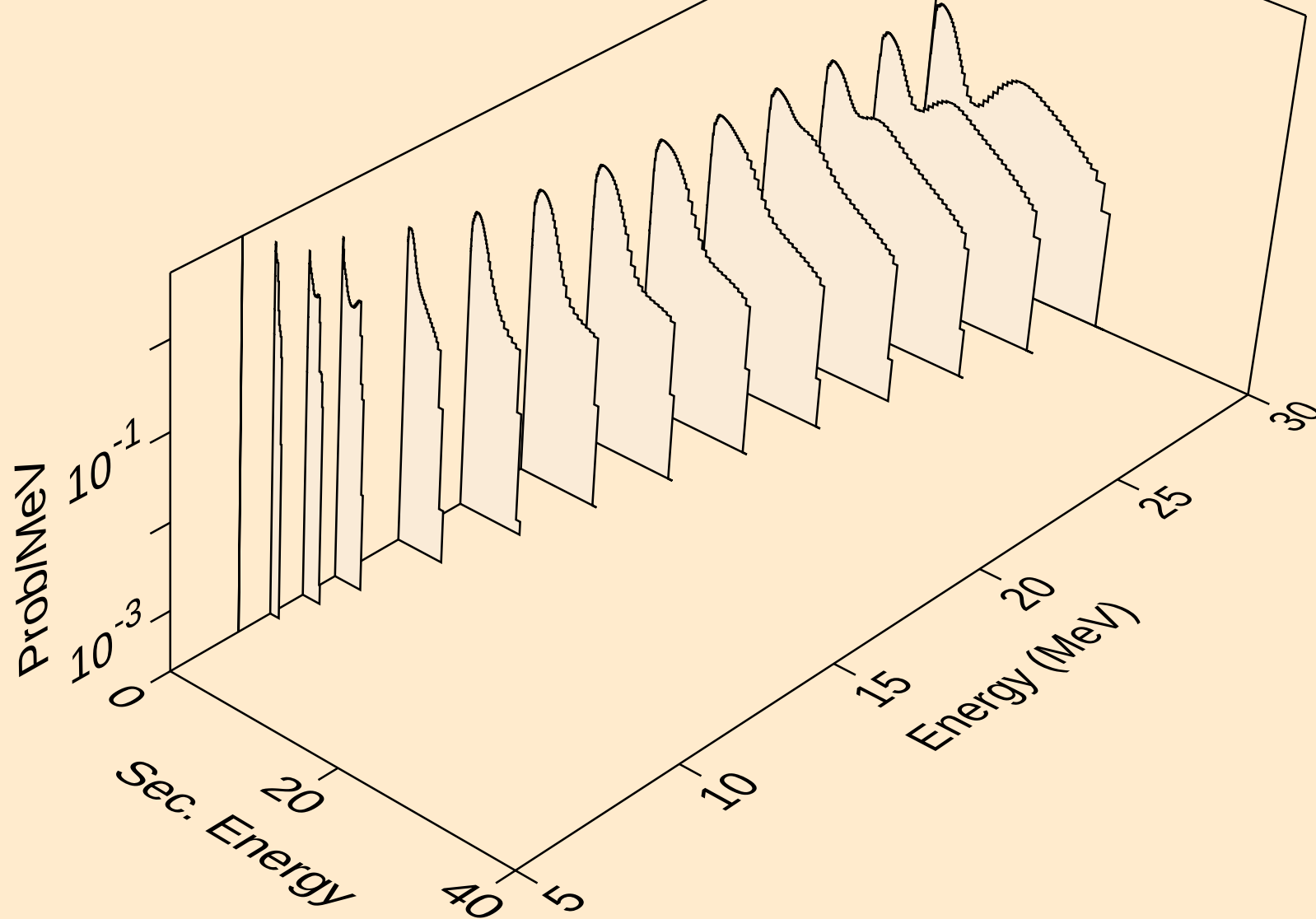
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,x)



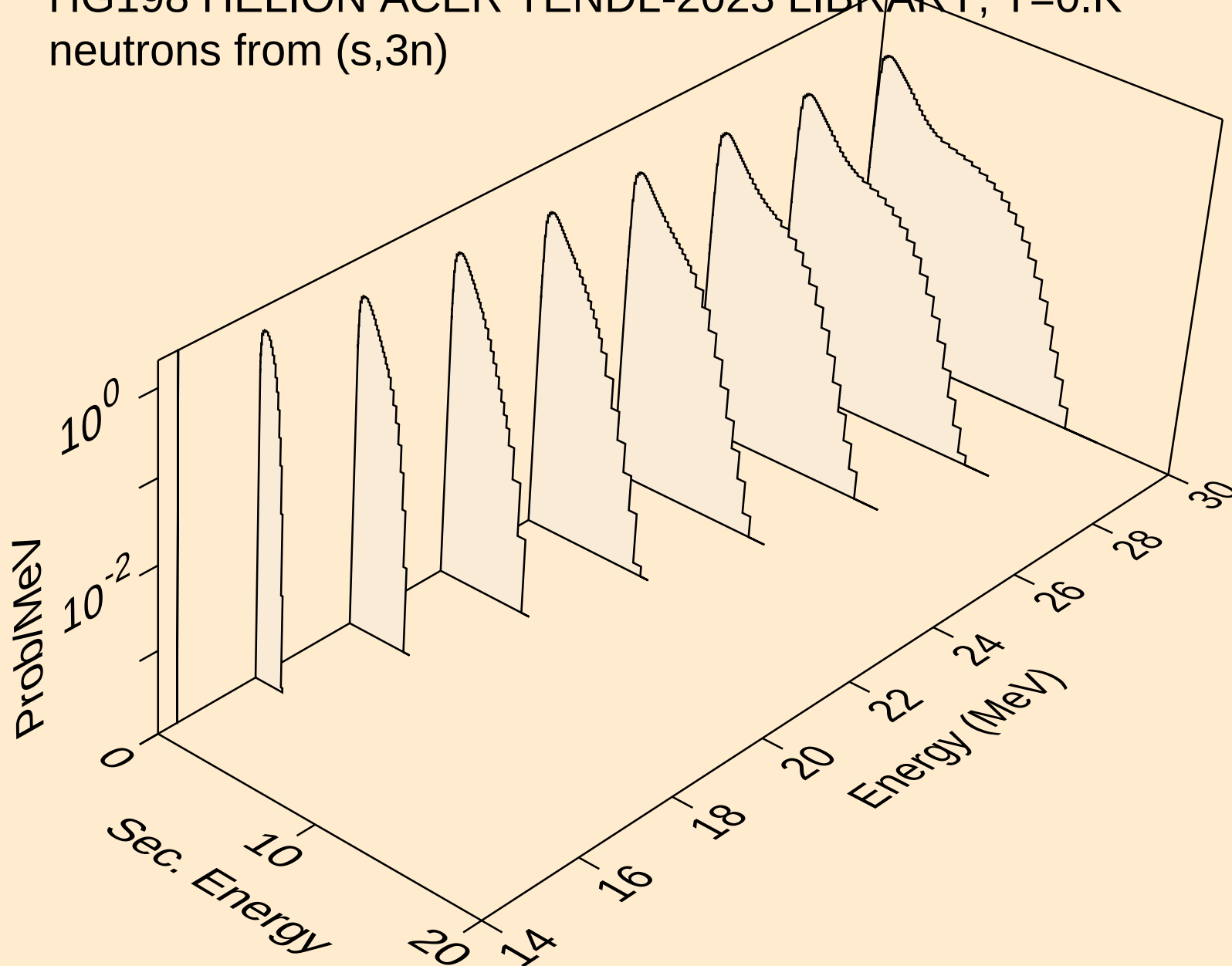
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2nd)



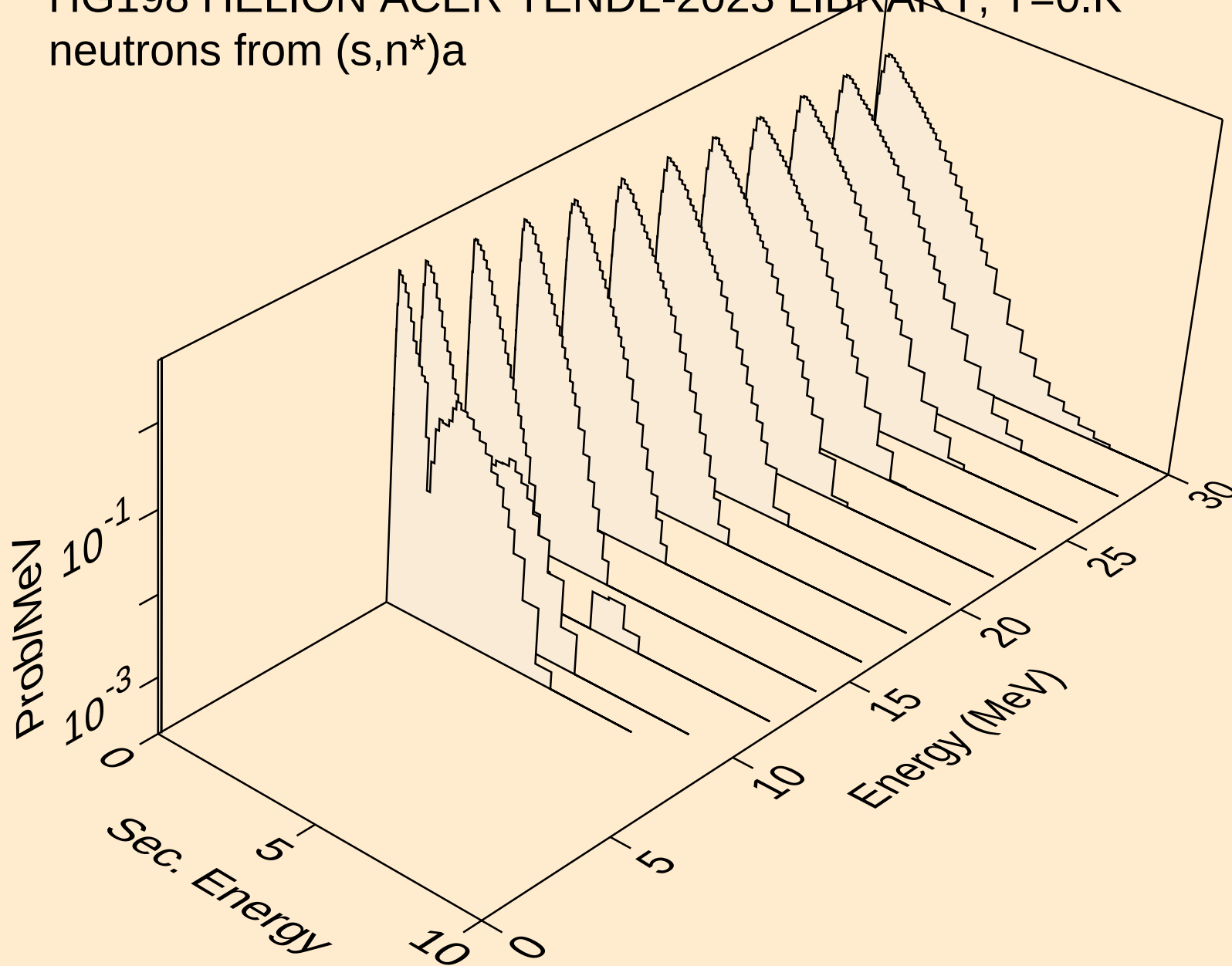
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)



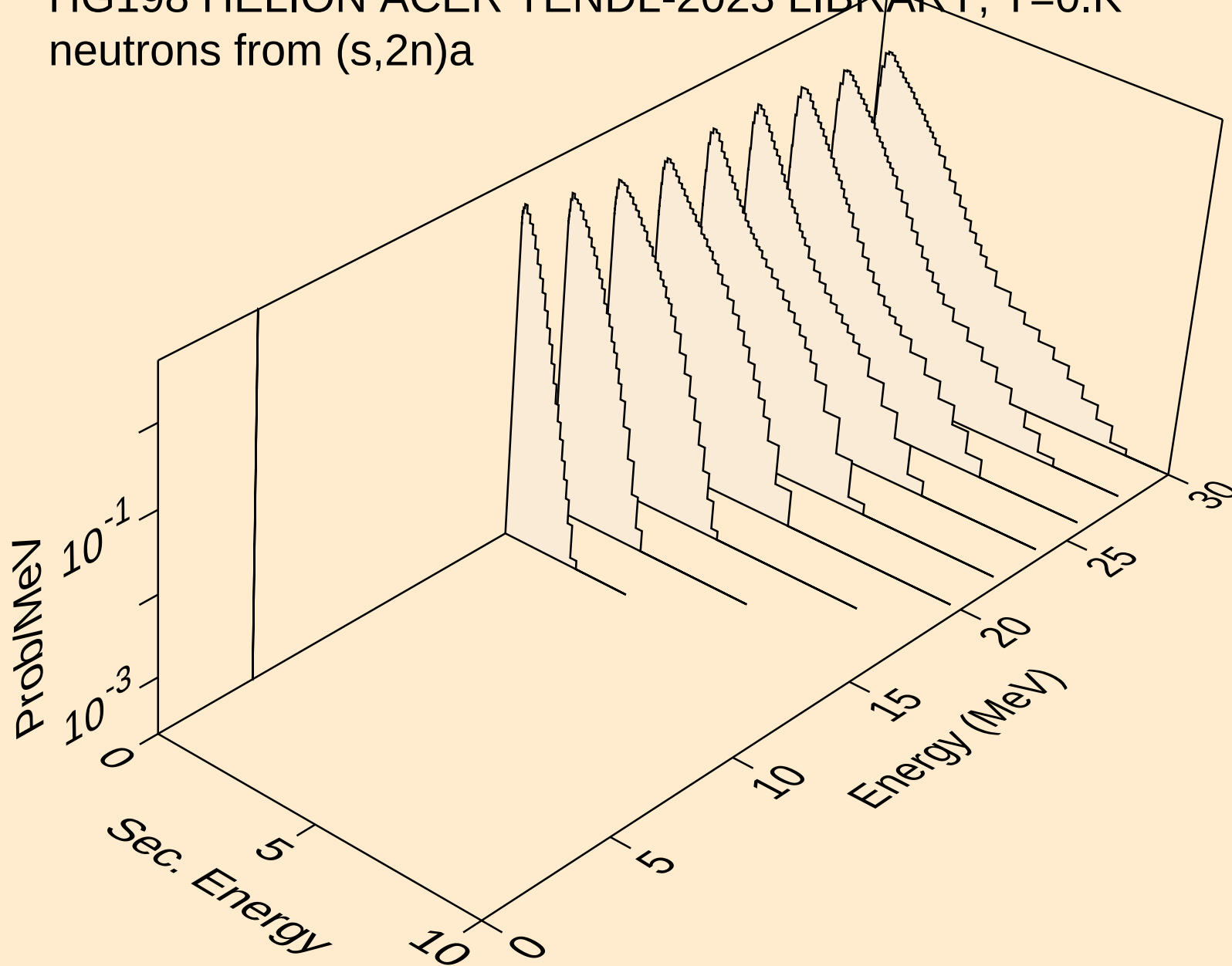
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3n)



HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a

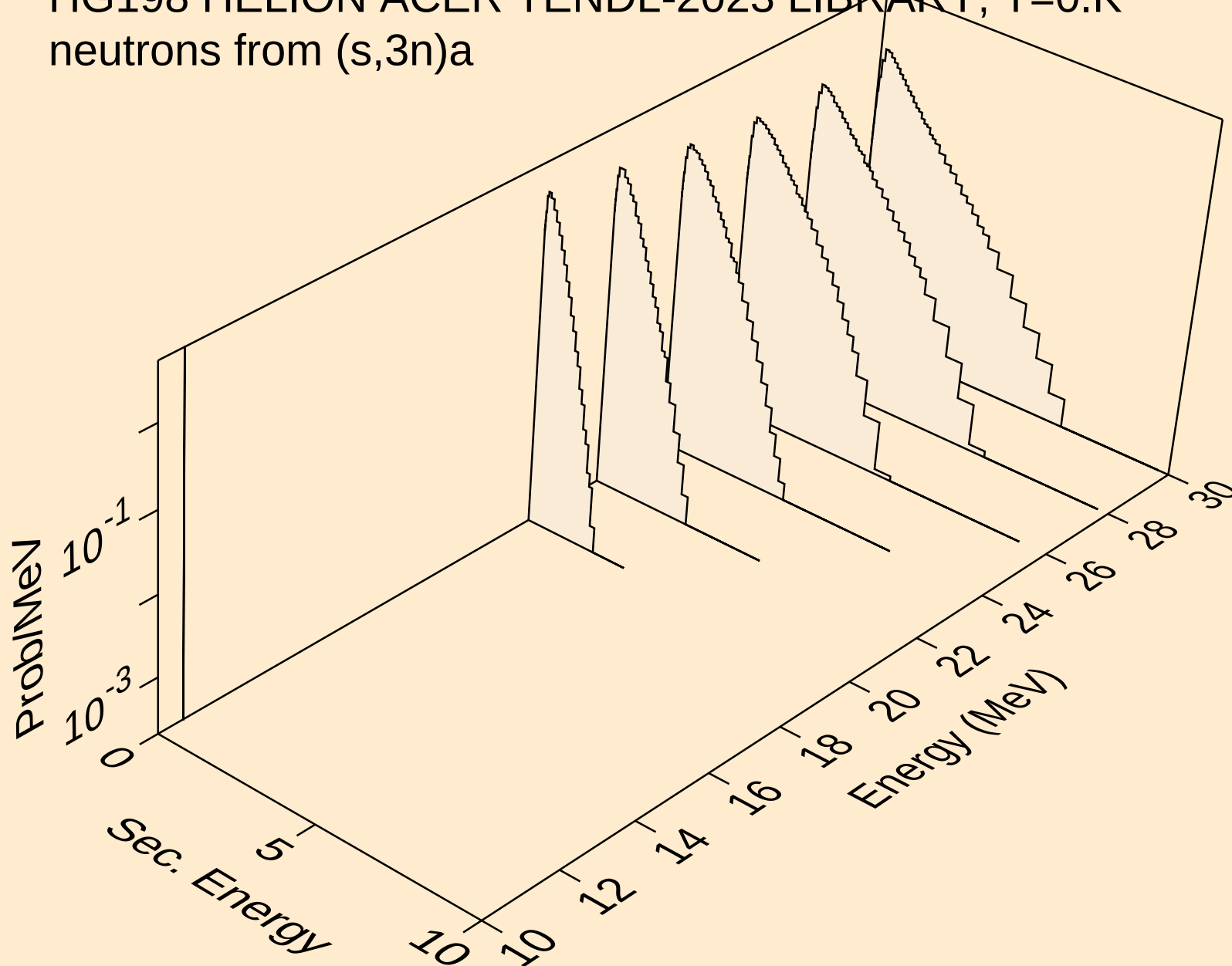


HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)a

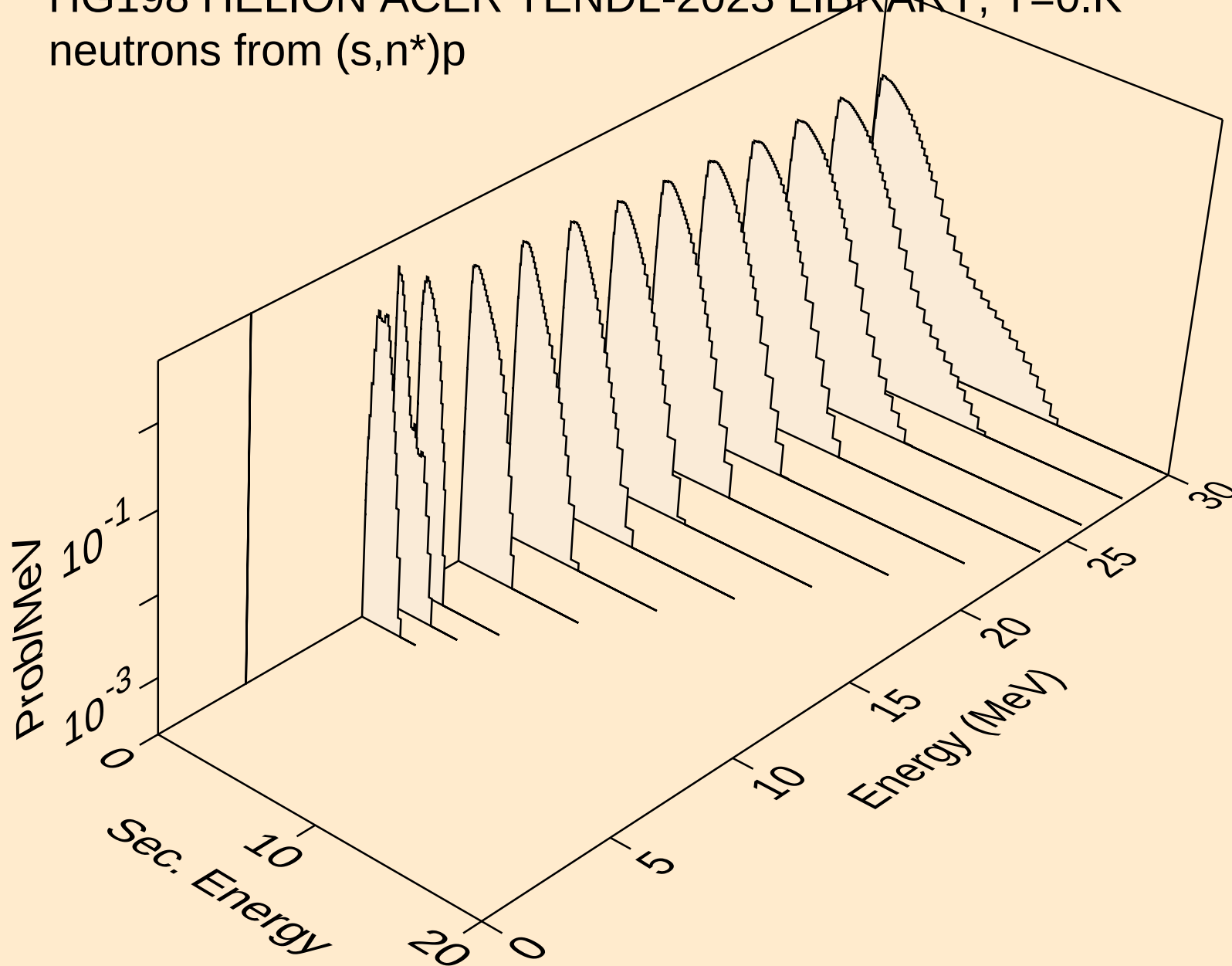




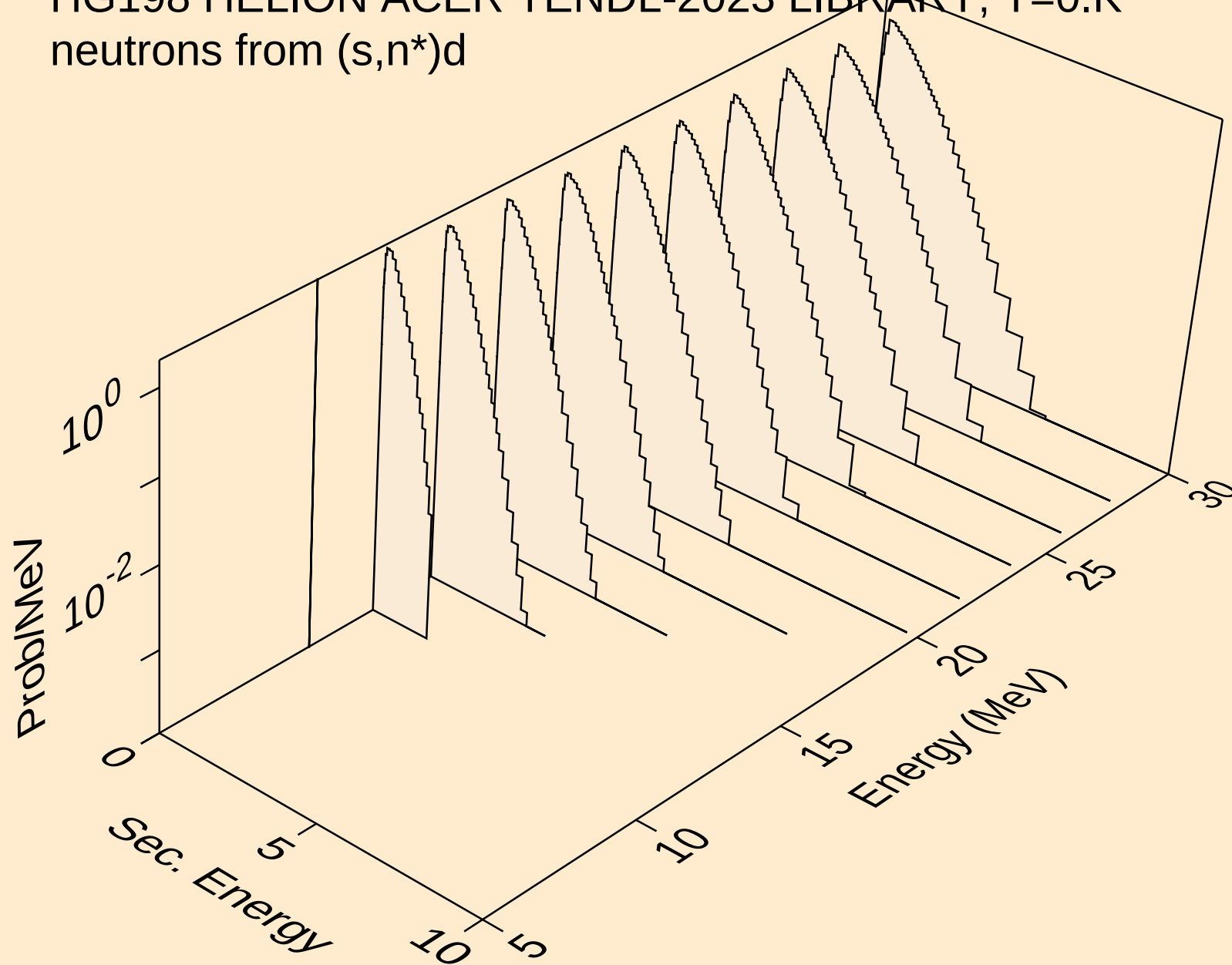
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3n)a



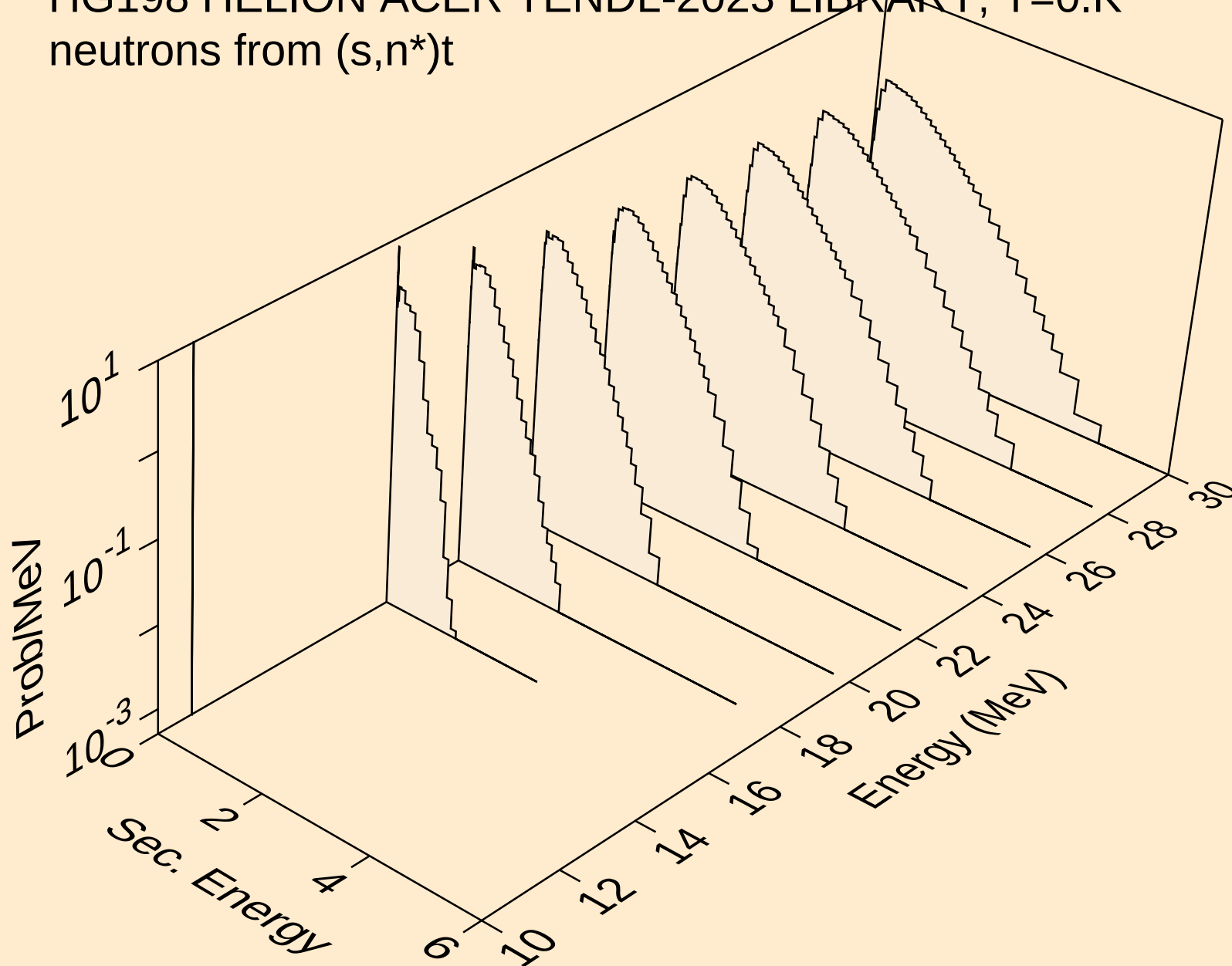
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)p



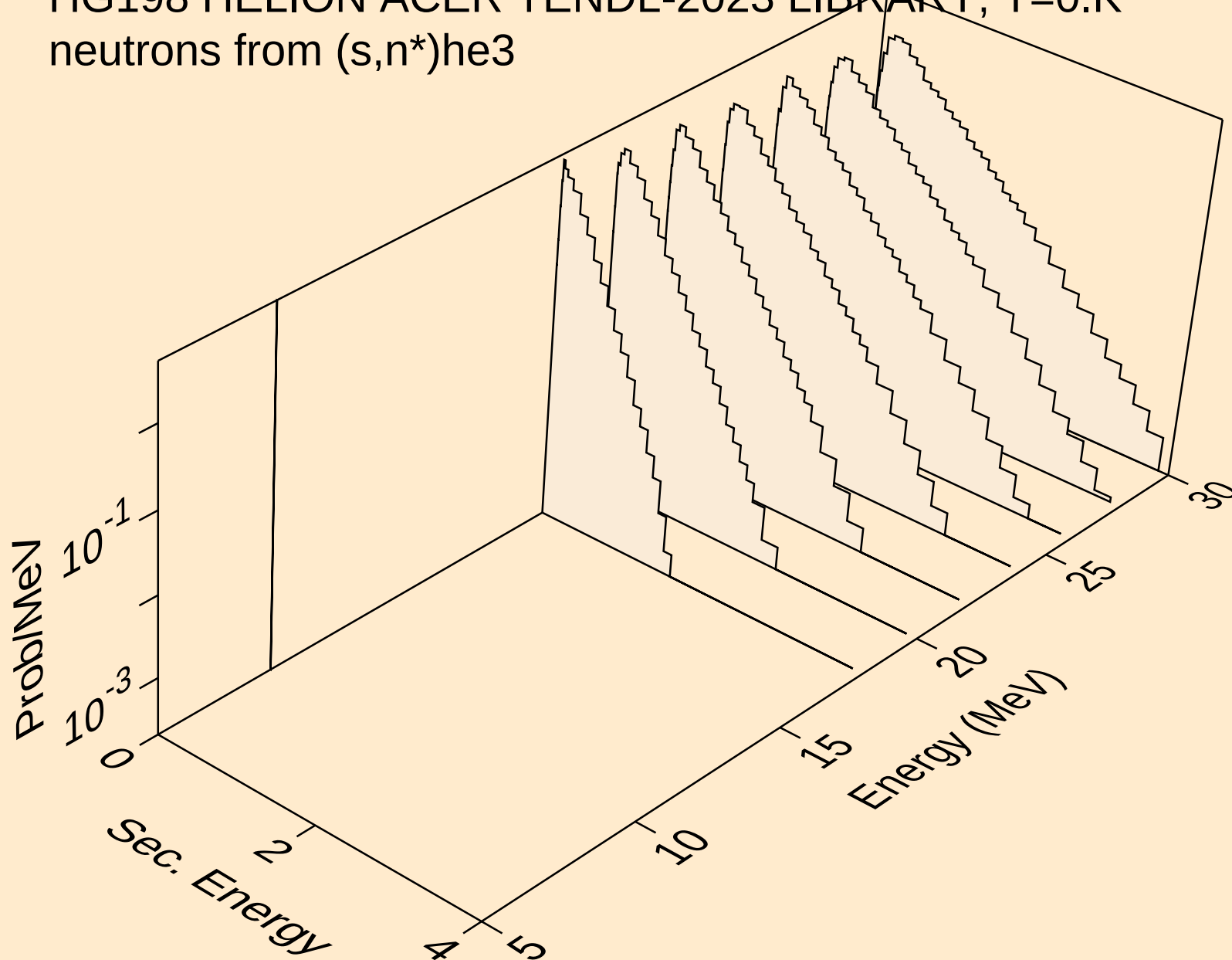
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)d



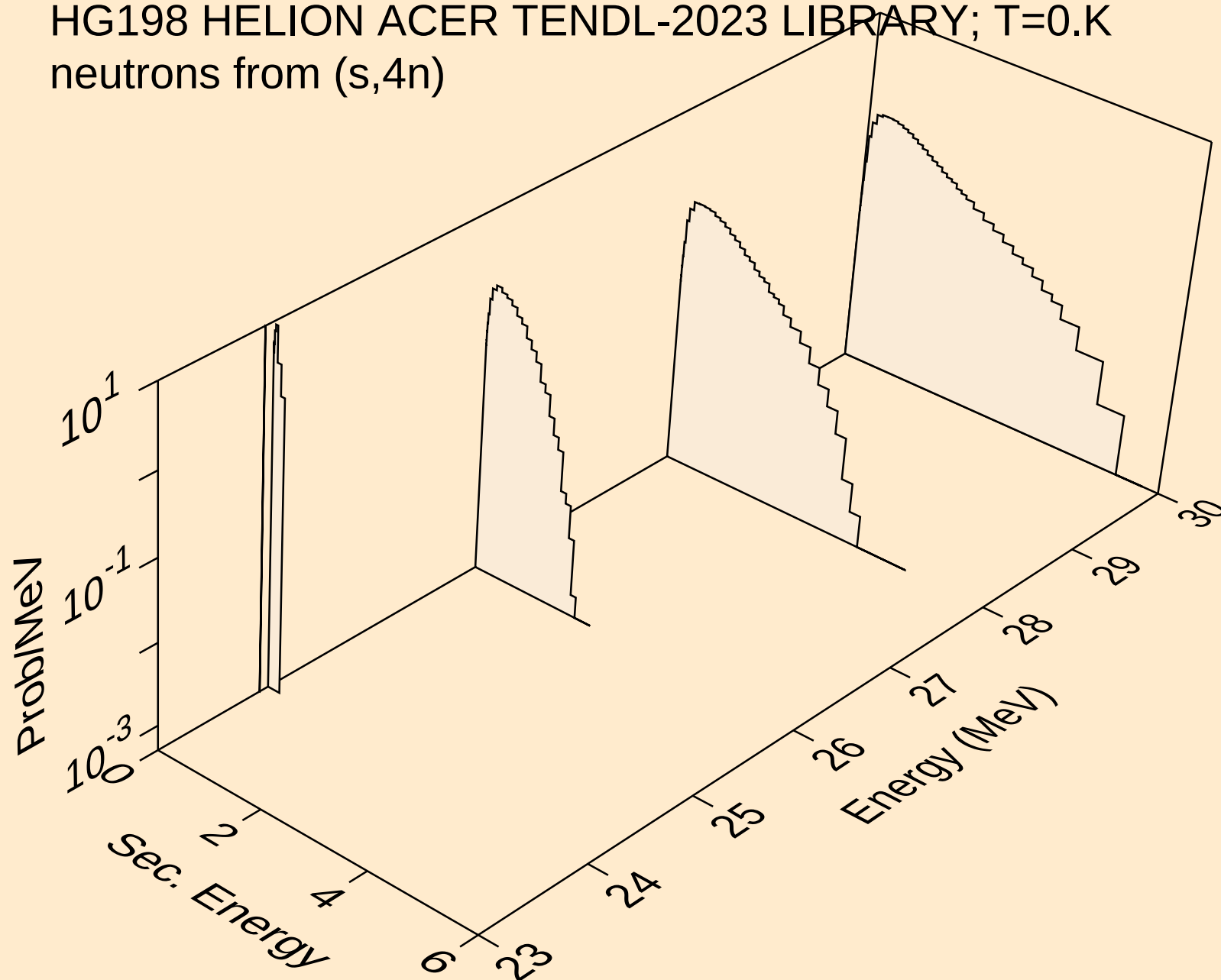
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)t



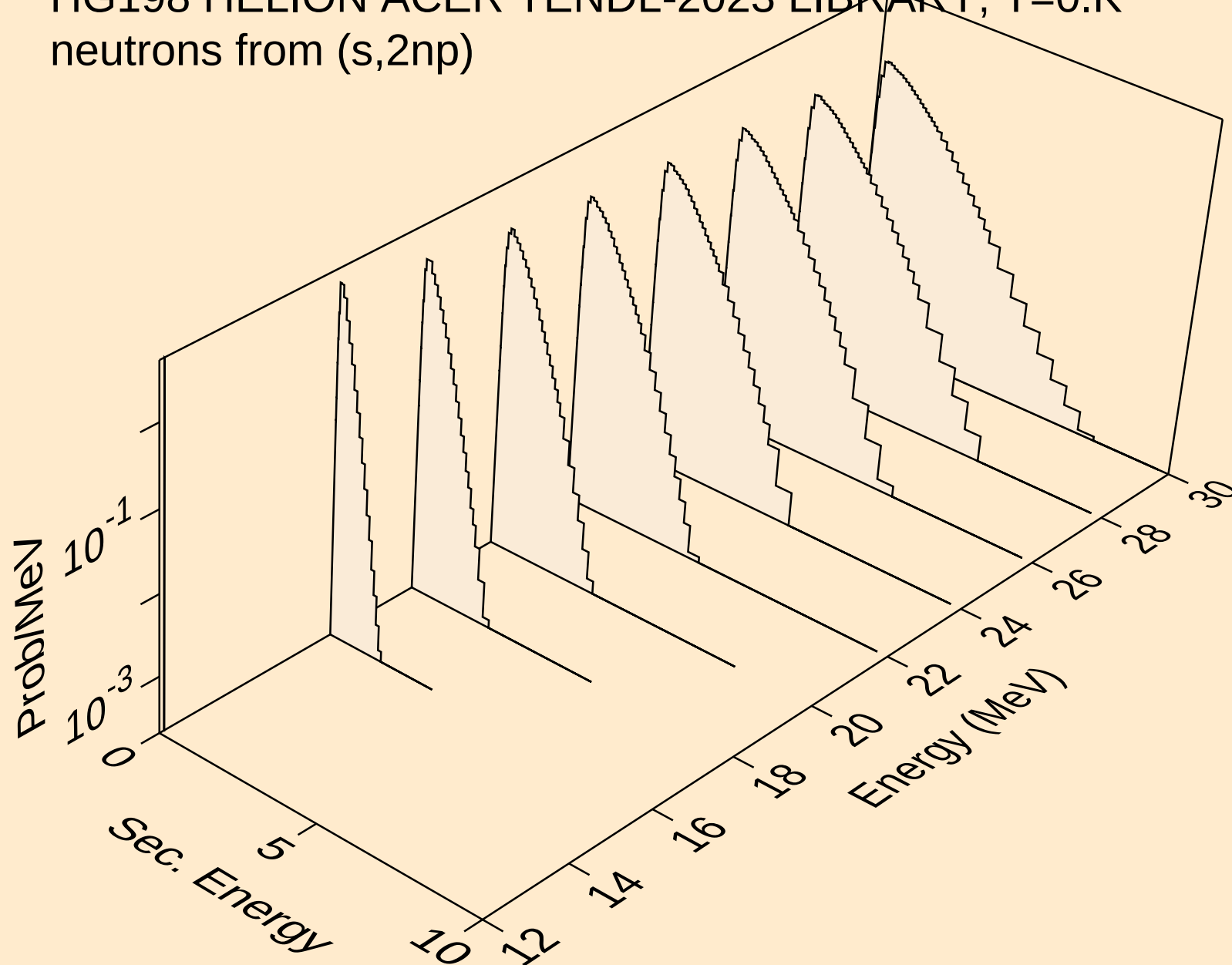
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)he3



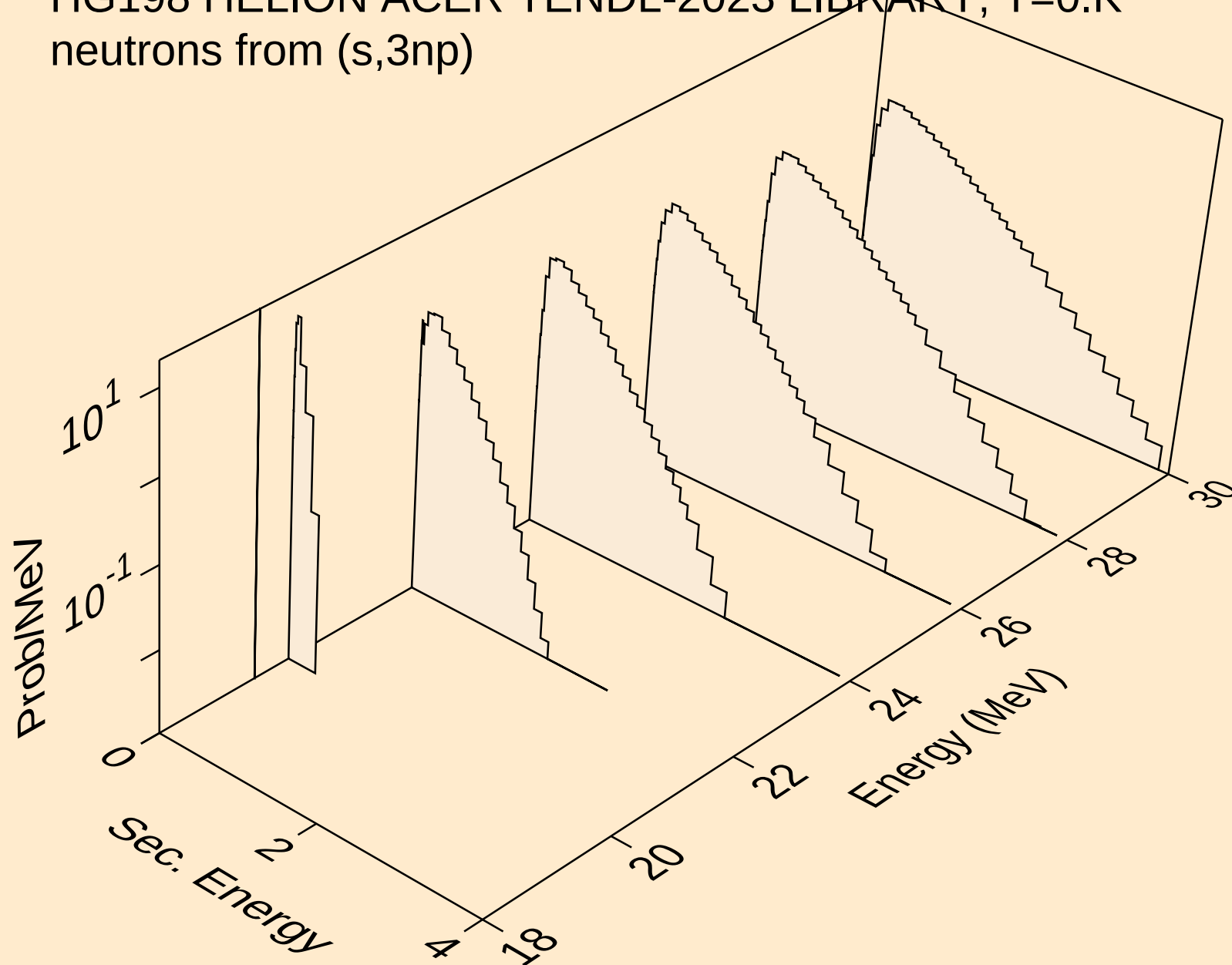
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,4n)



HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2np)

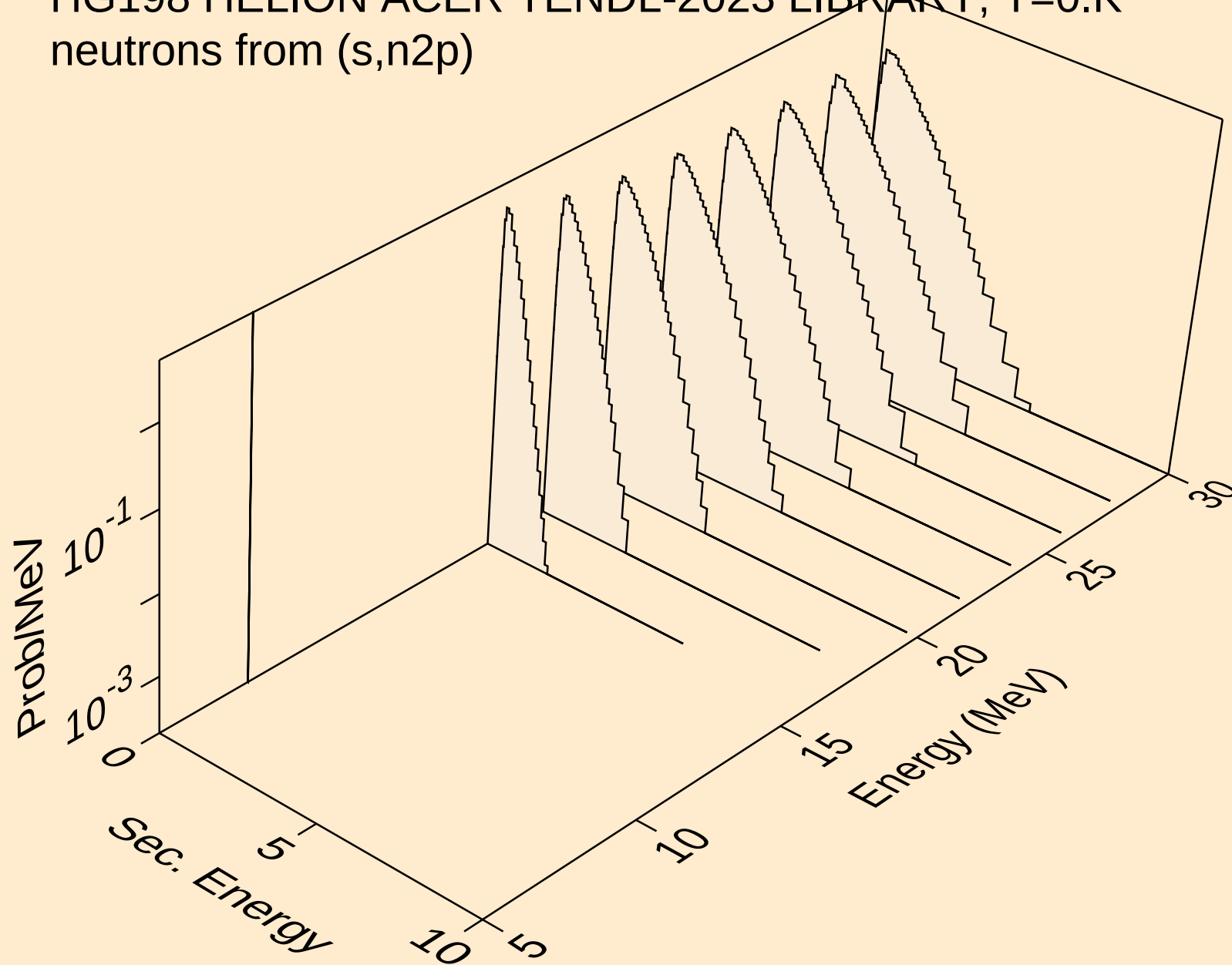


HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3np)

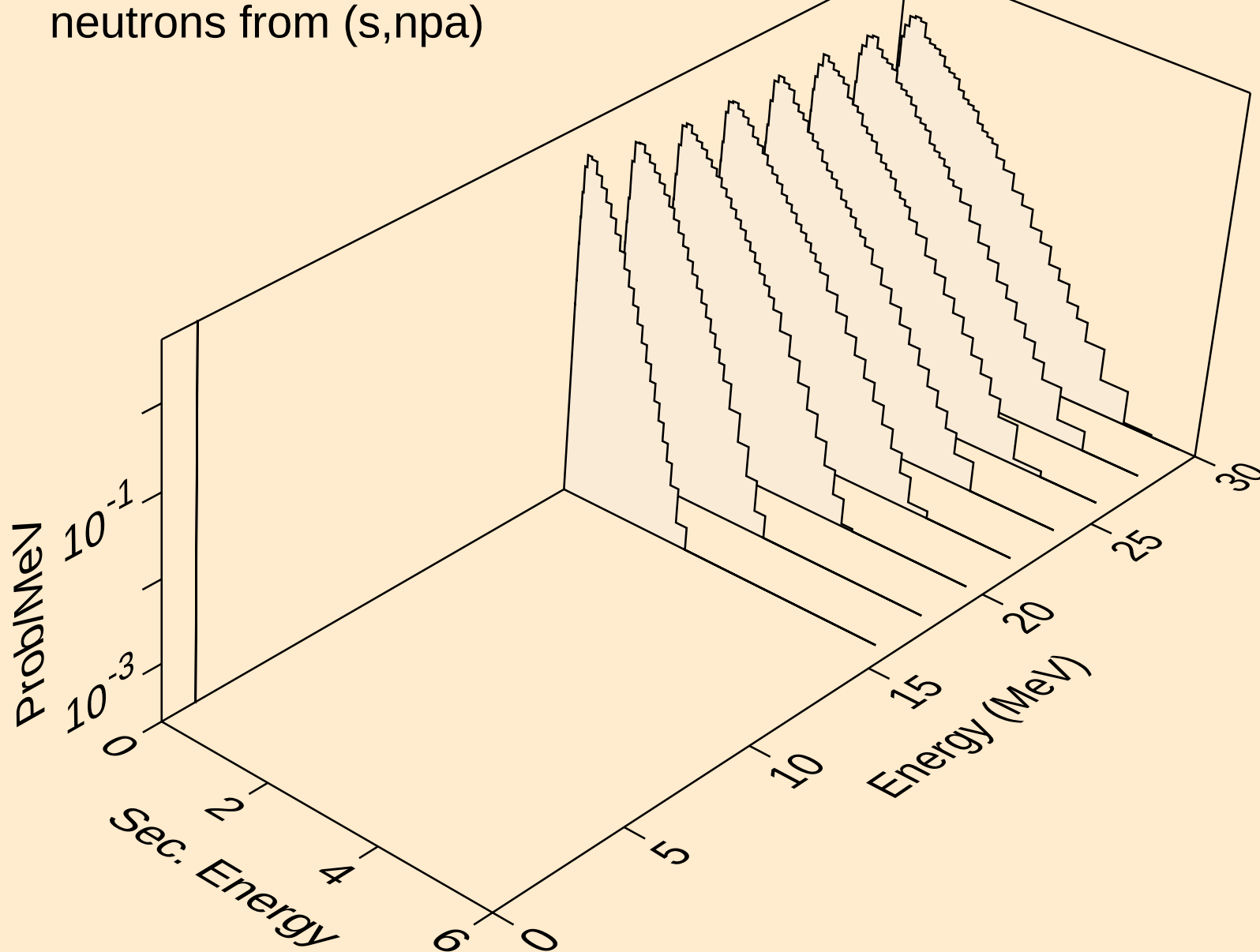




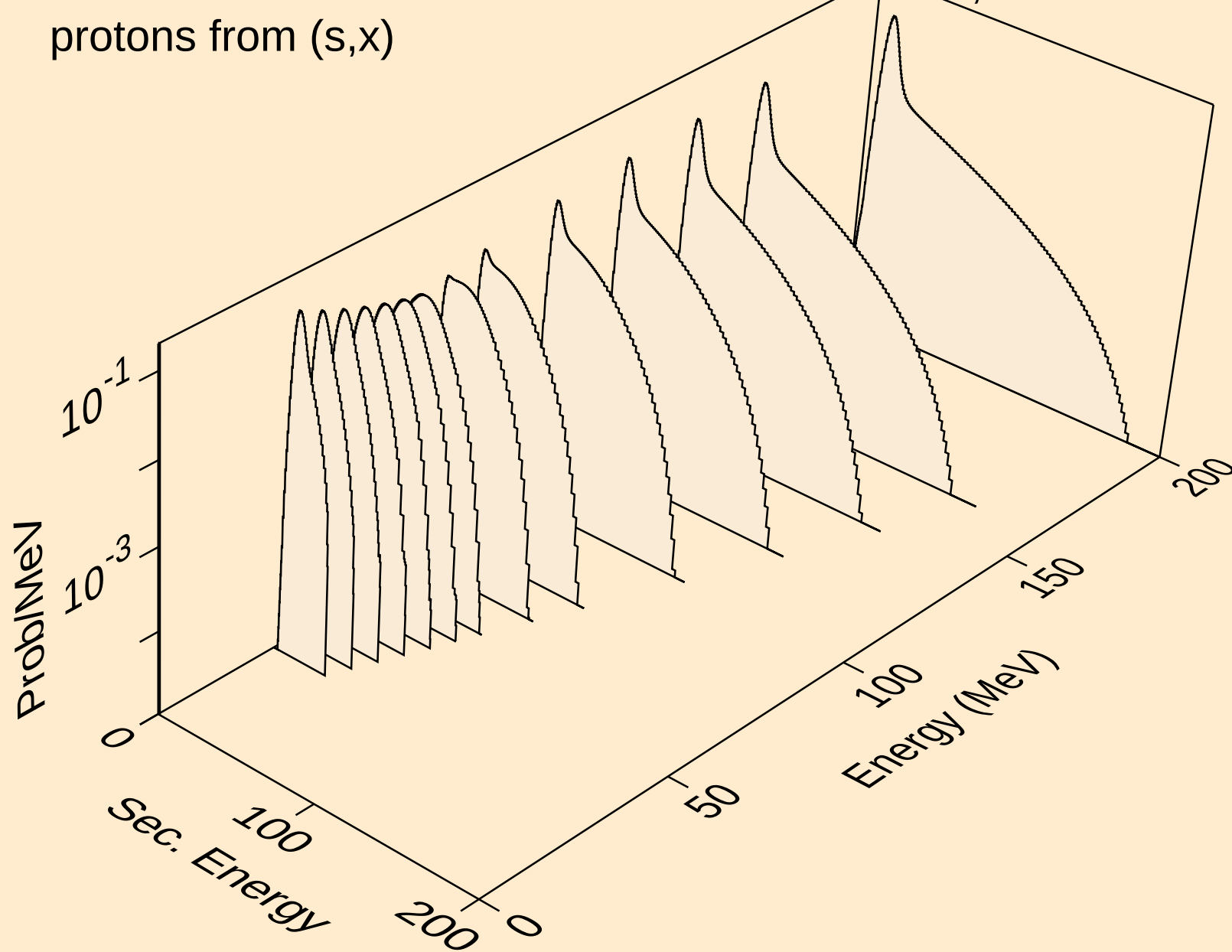
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n2p)



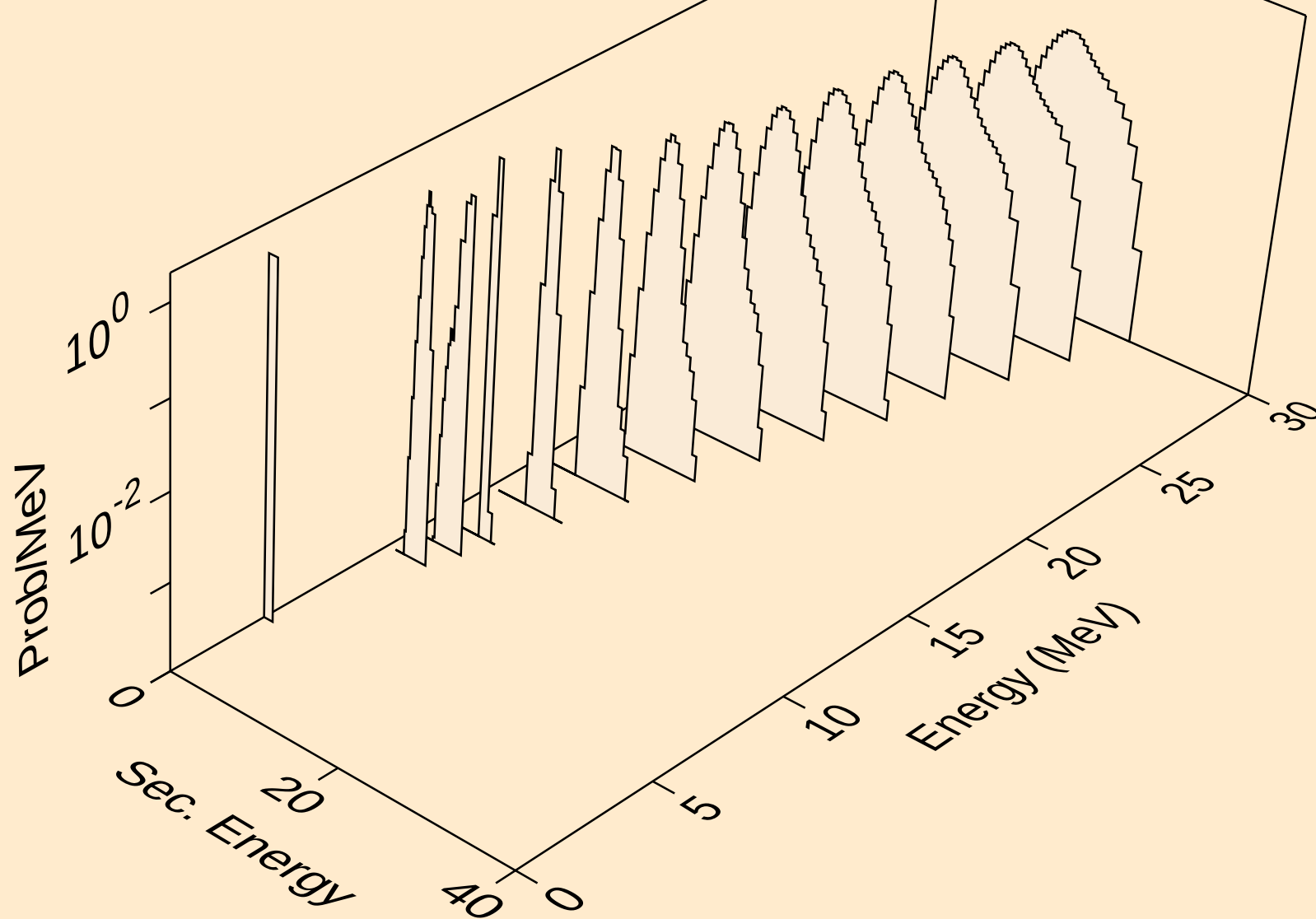
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neutrons from (s,npa)



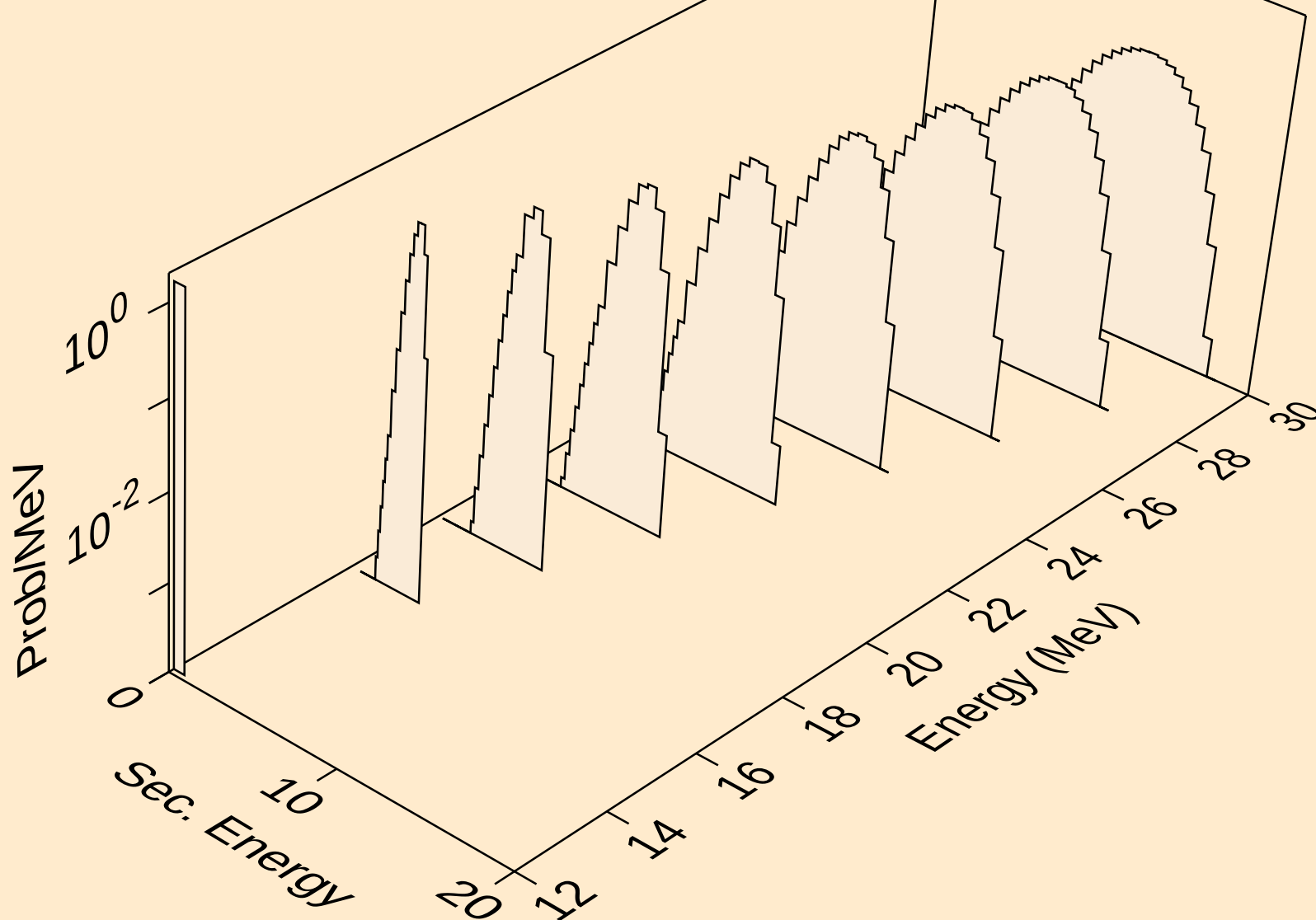
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,x)



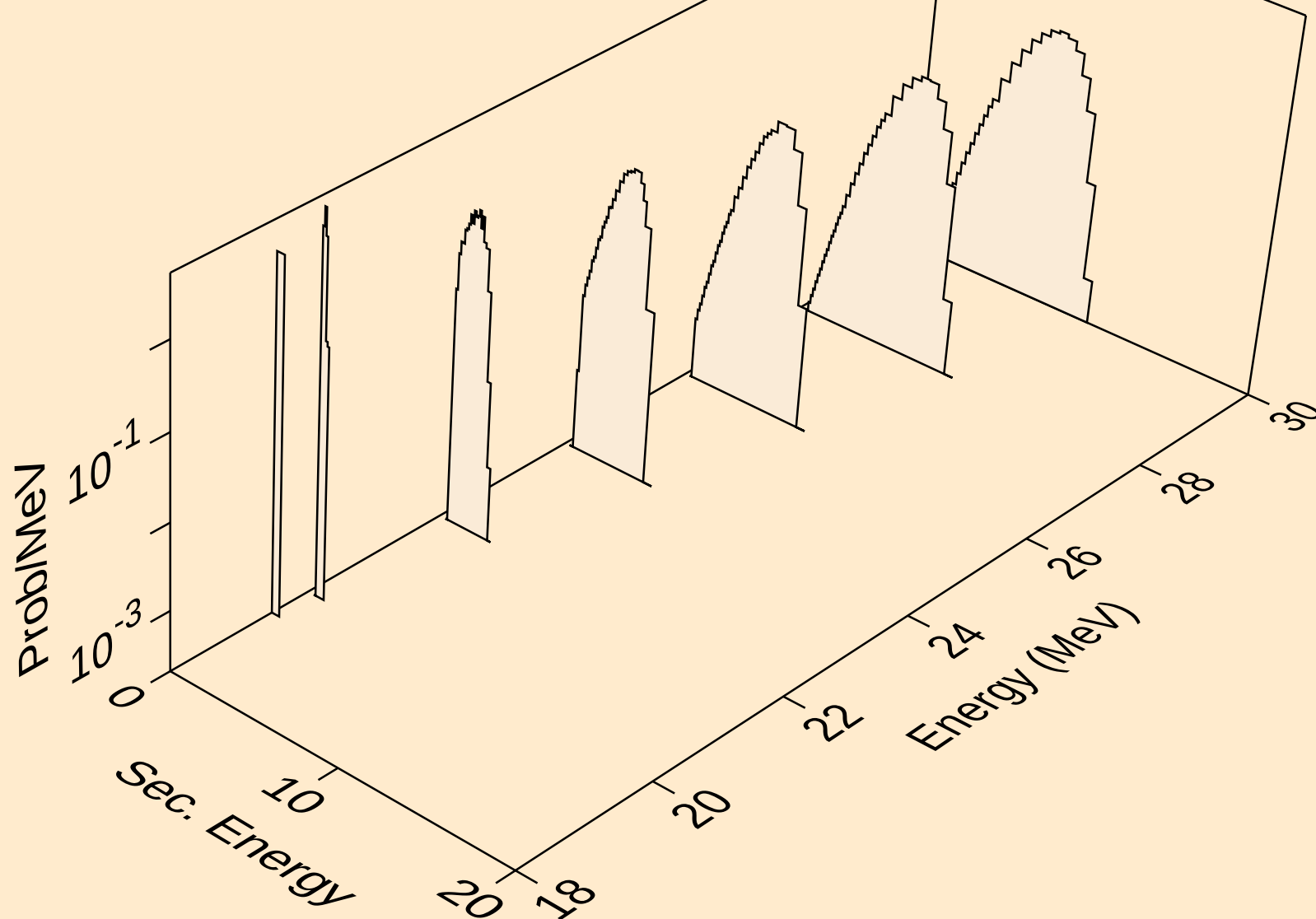
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,n\*)p



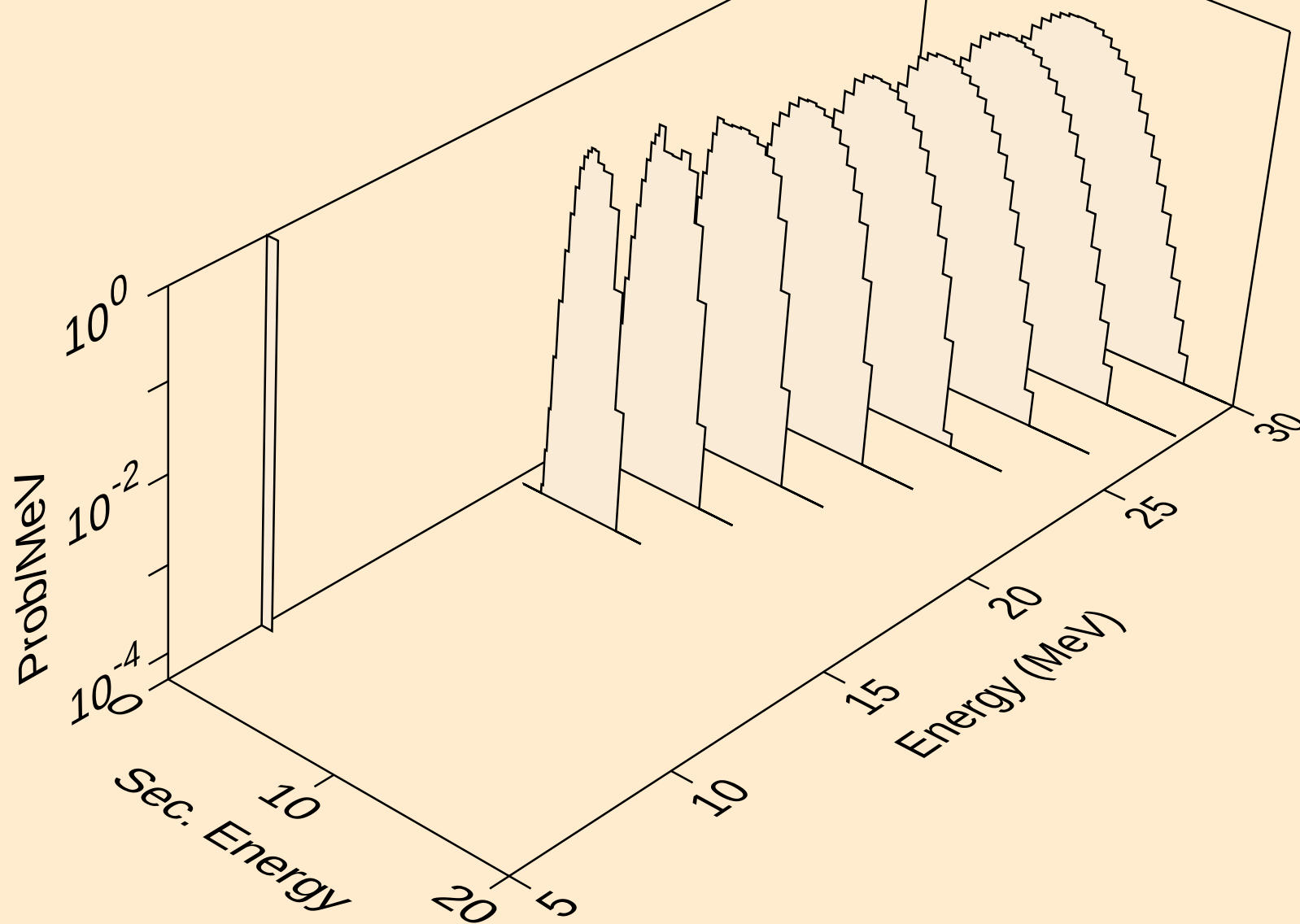
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,2np)



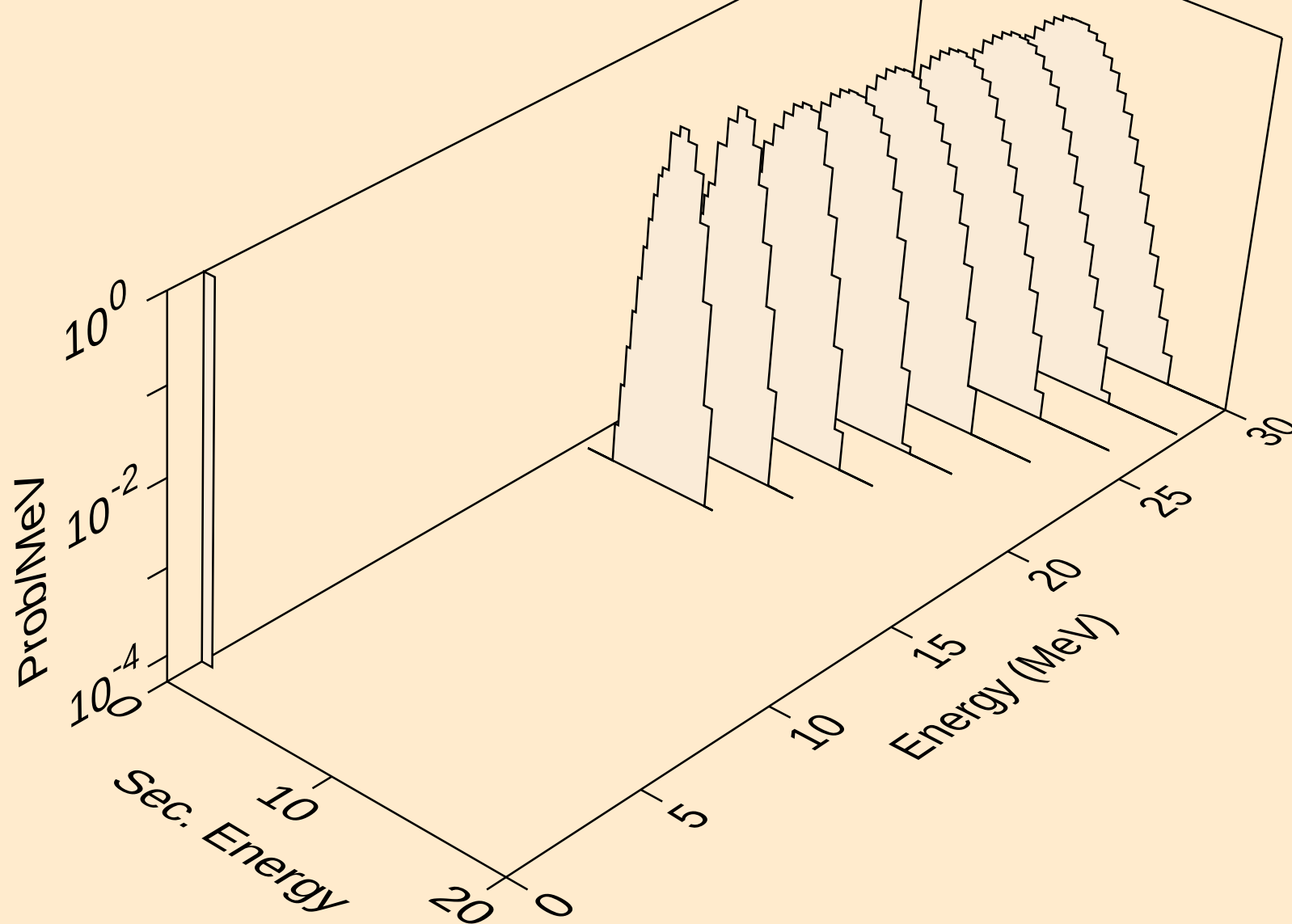
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,3np)



HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,n2p)

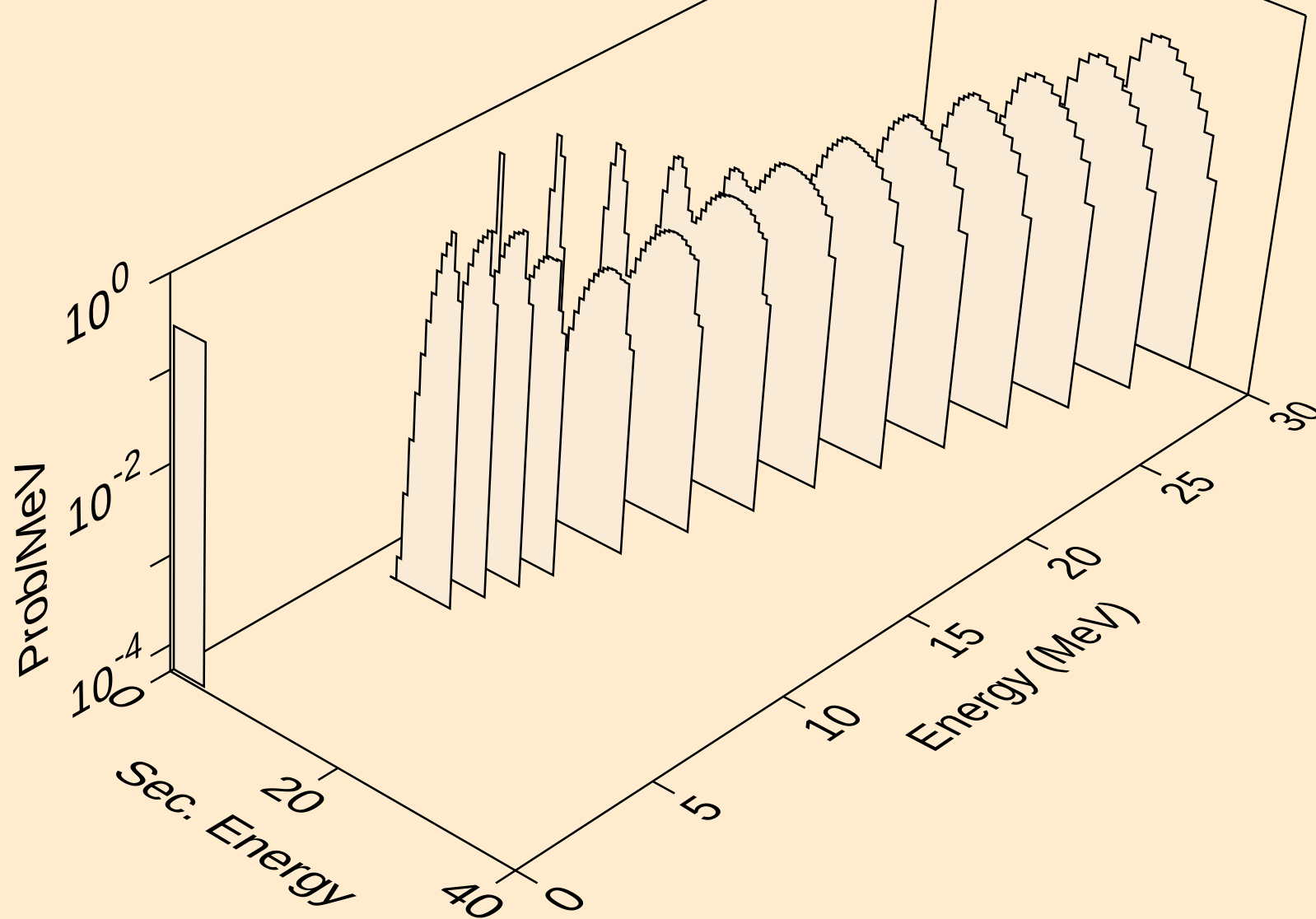


HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,npa)

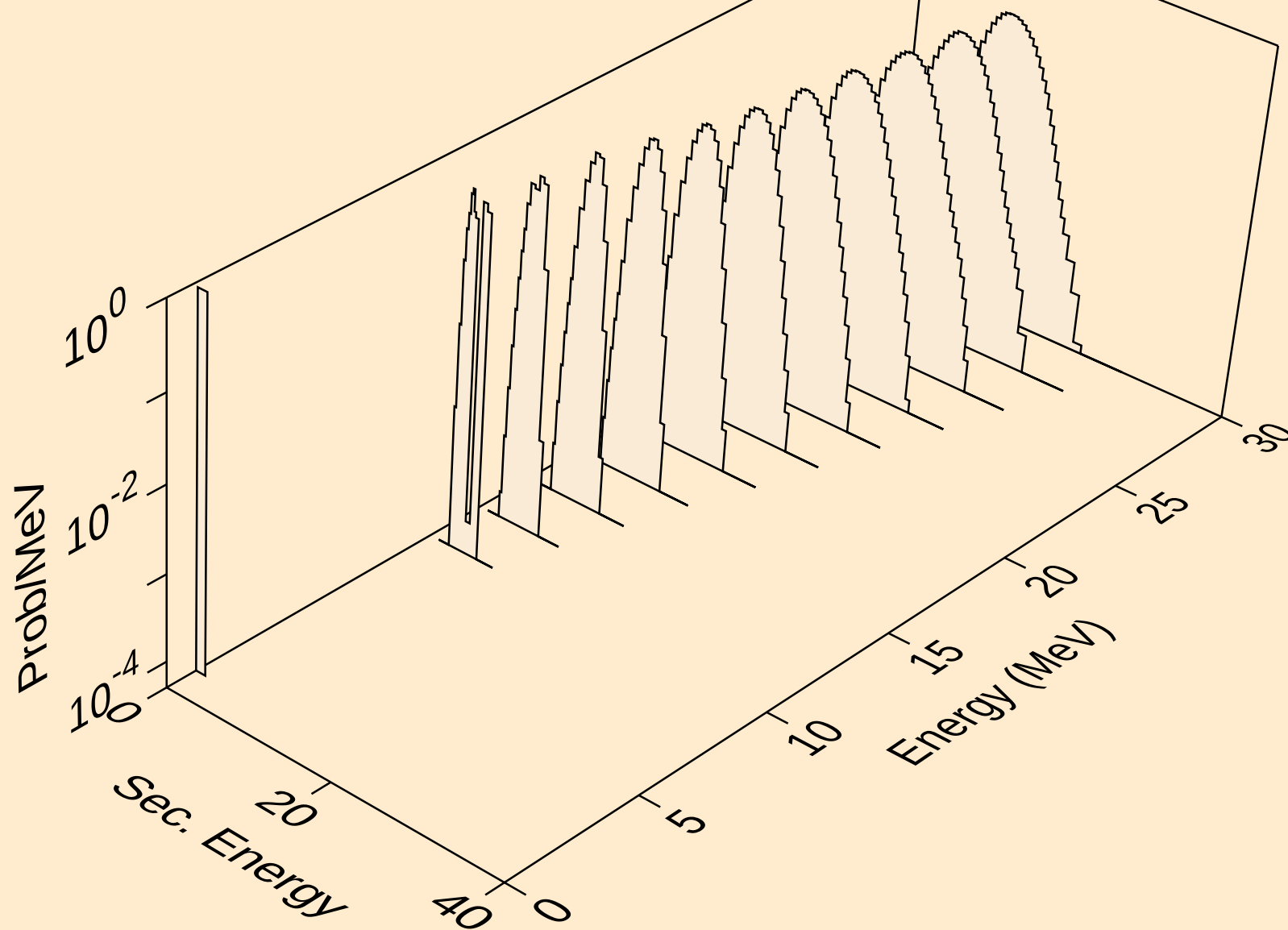




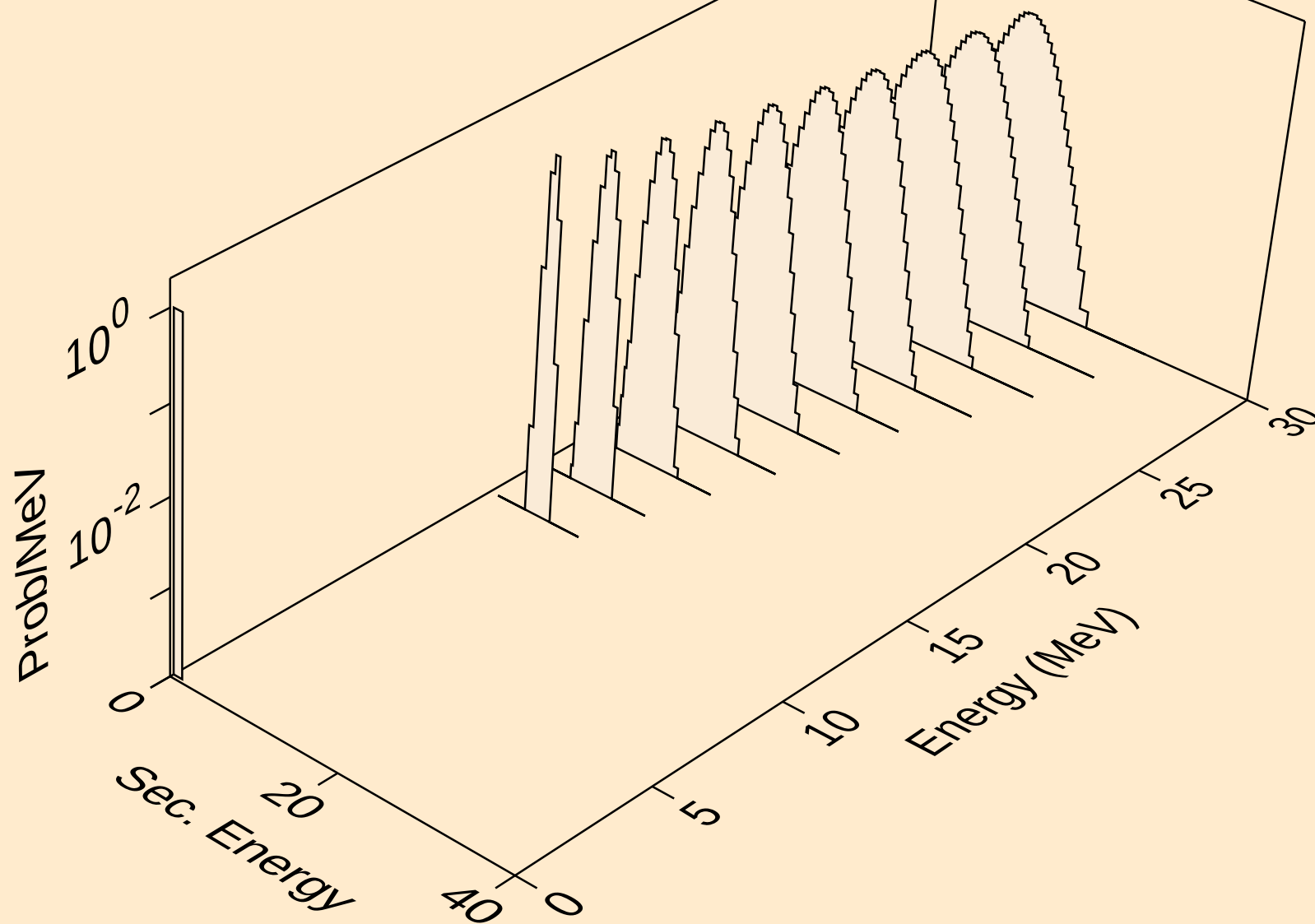
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protons from (s,p)



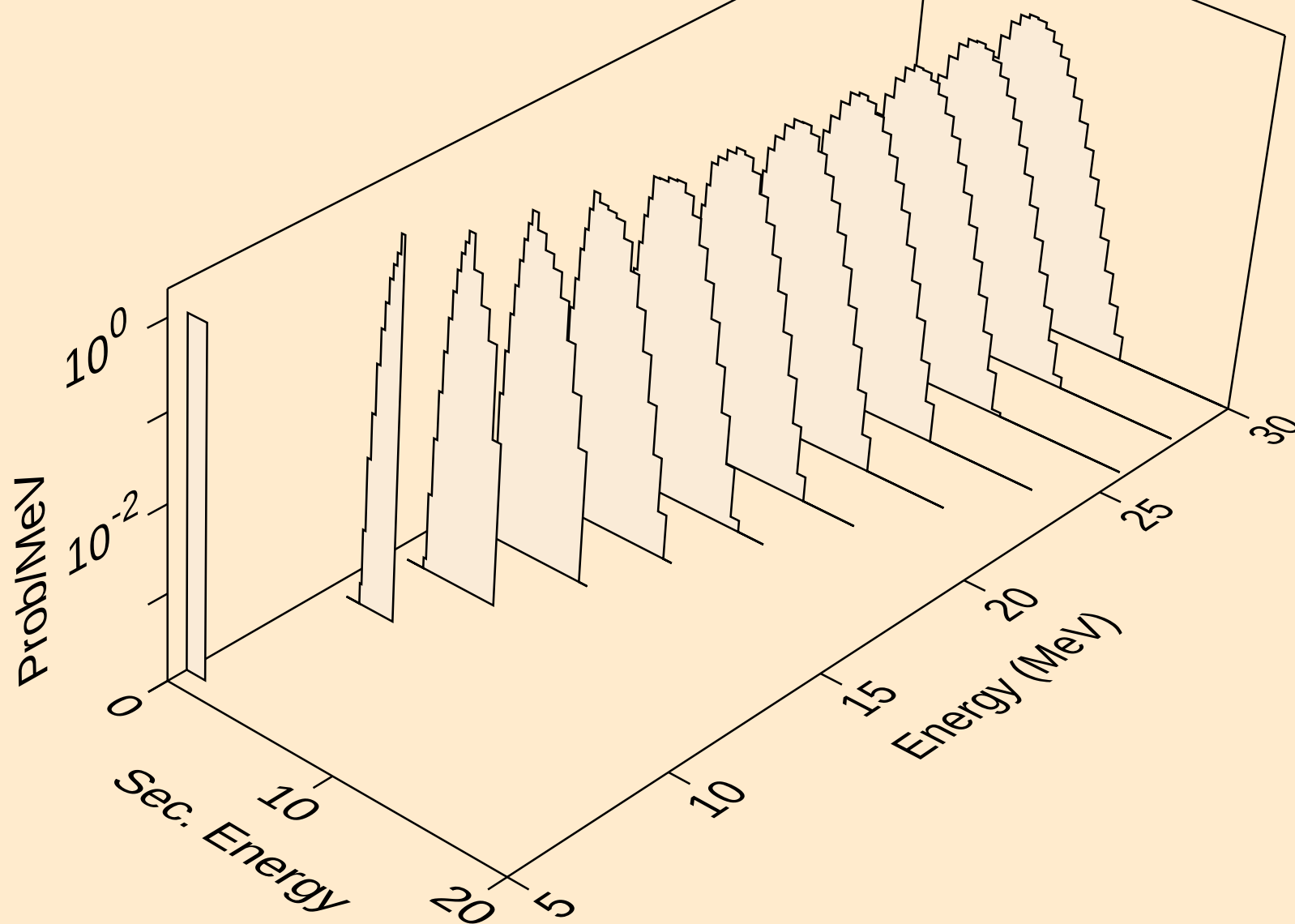
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protons from (s,2p)



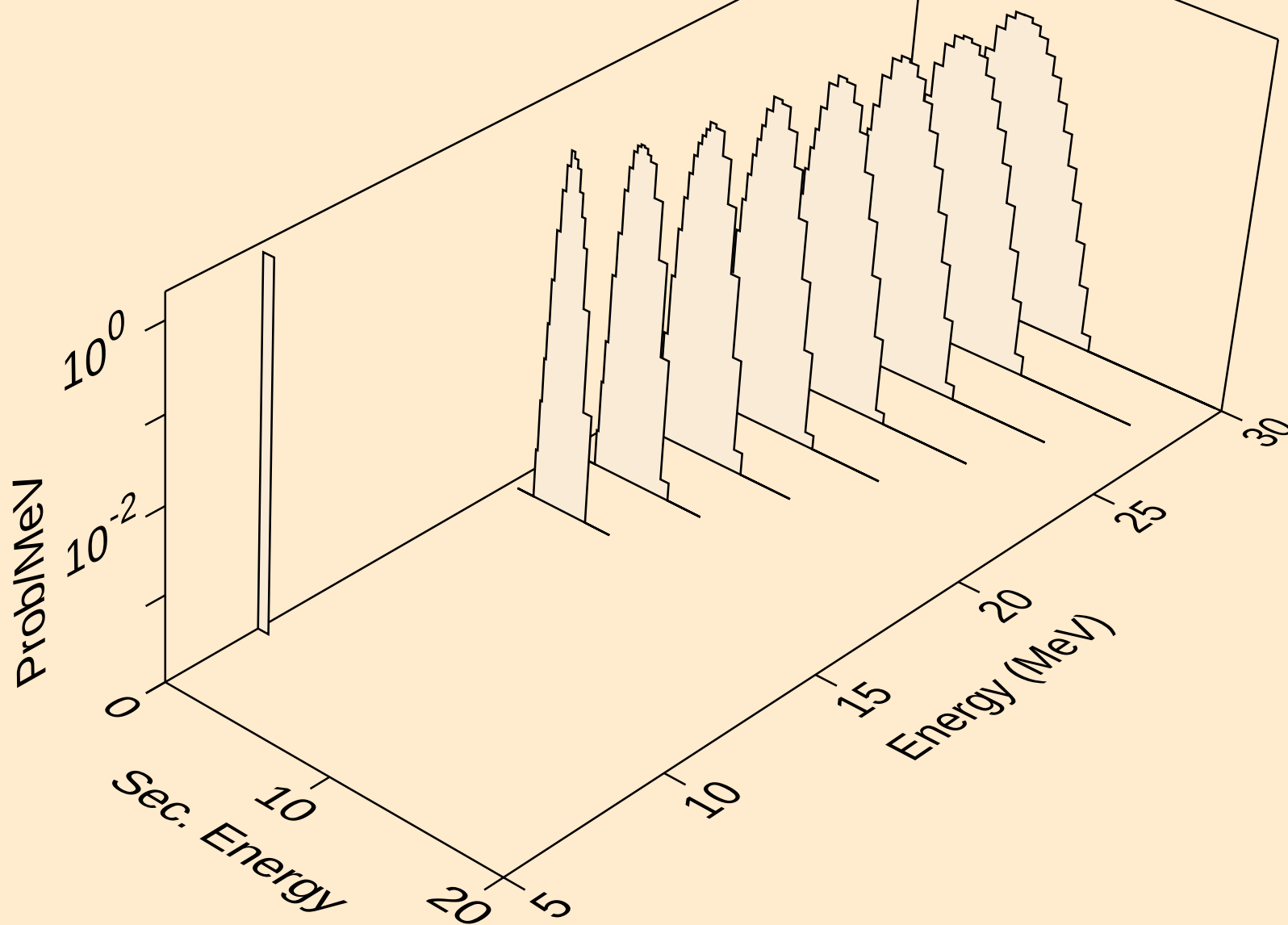
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protons from (s,pa)



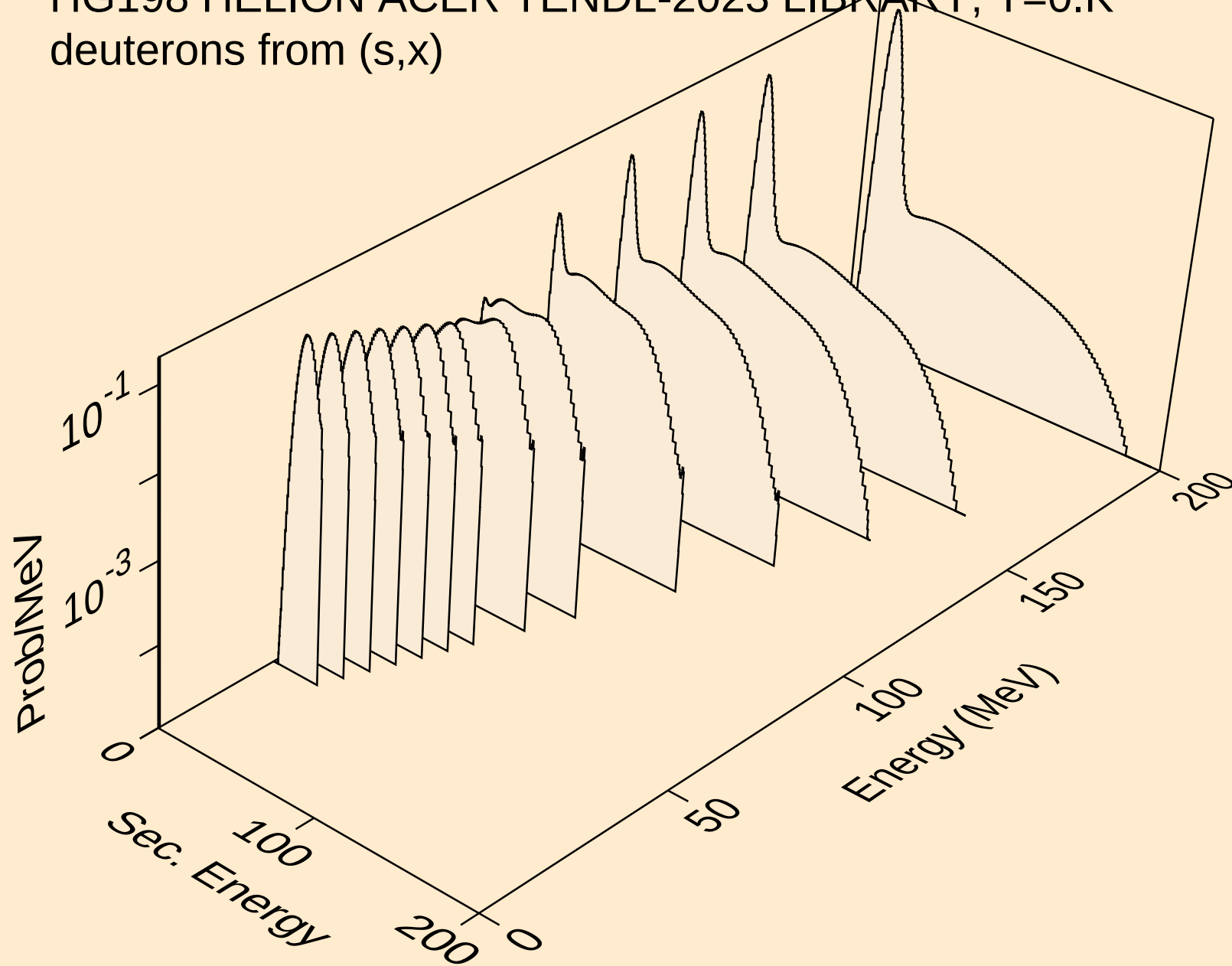
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protons from (s,pd)



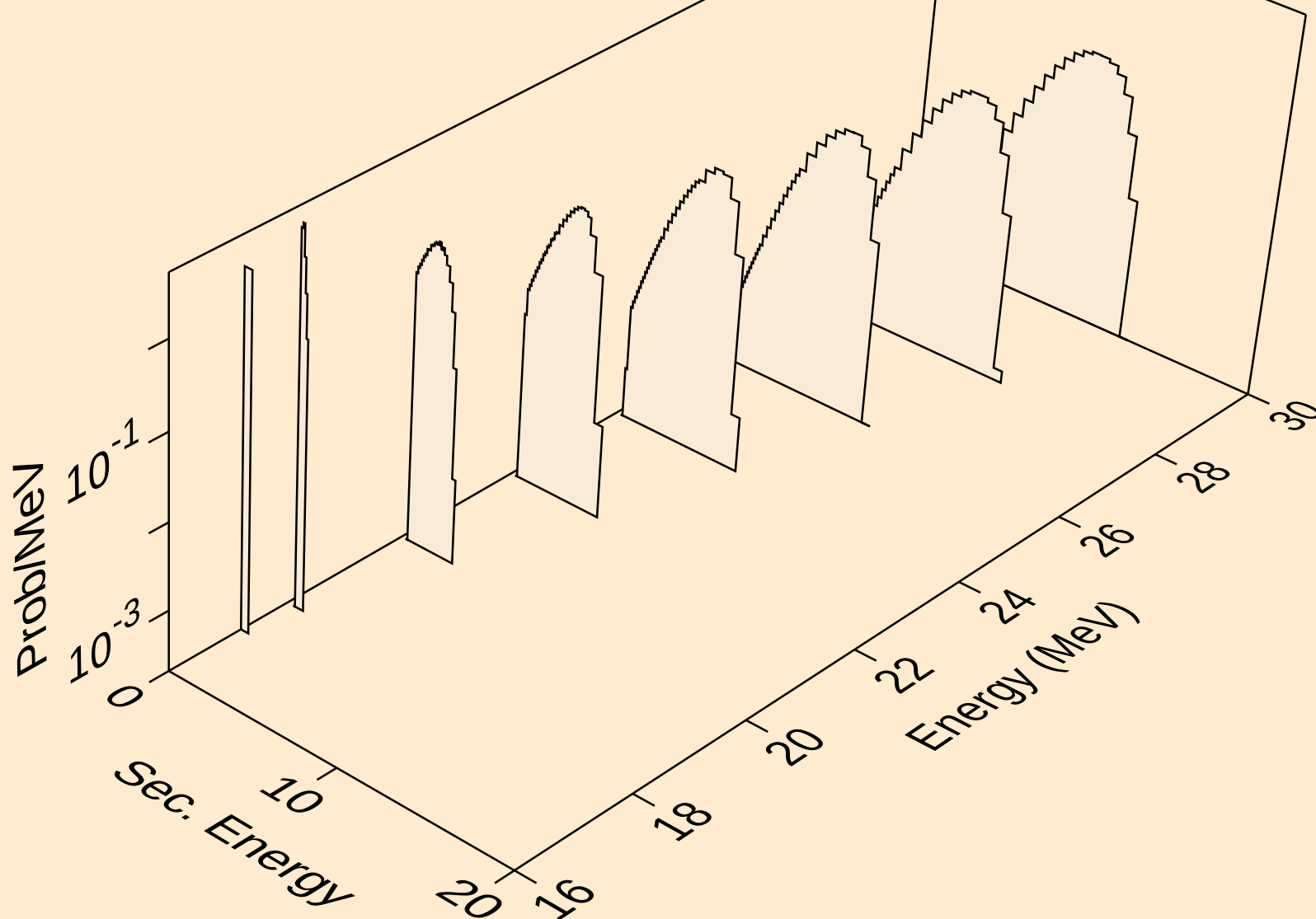
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protons from (s,pt)



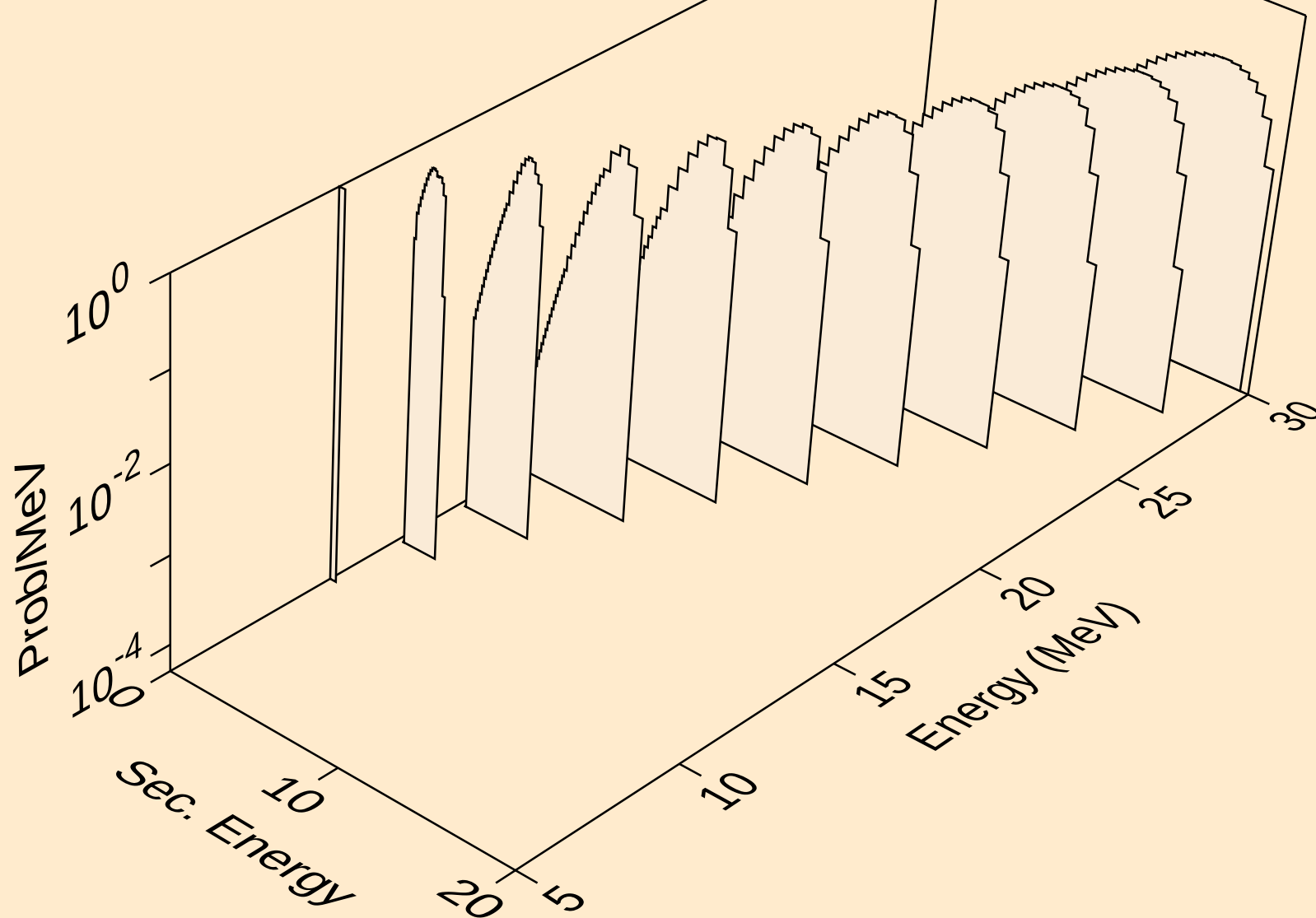
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,x)



HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,2nd)

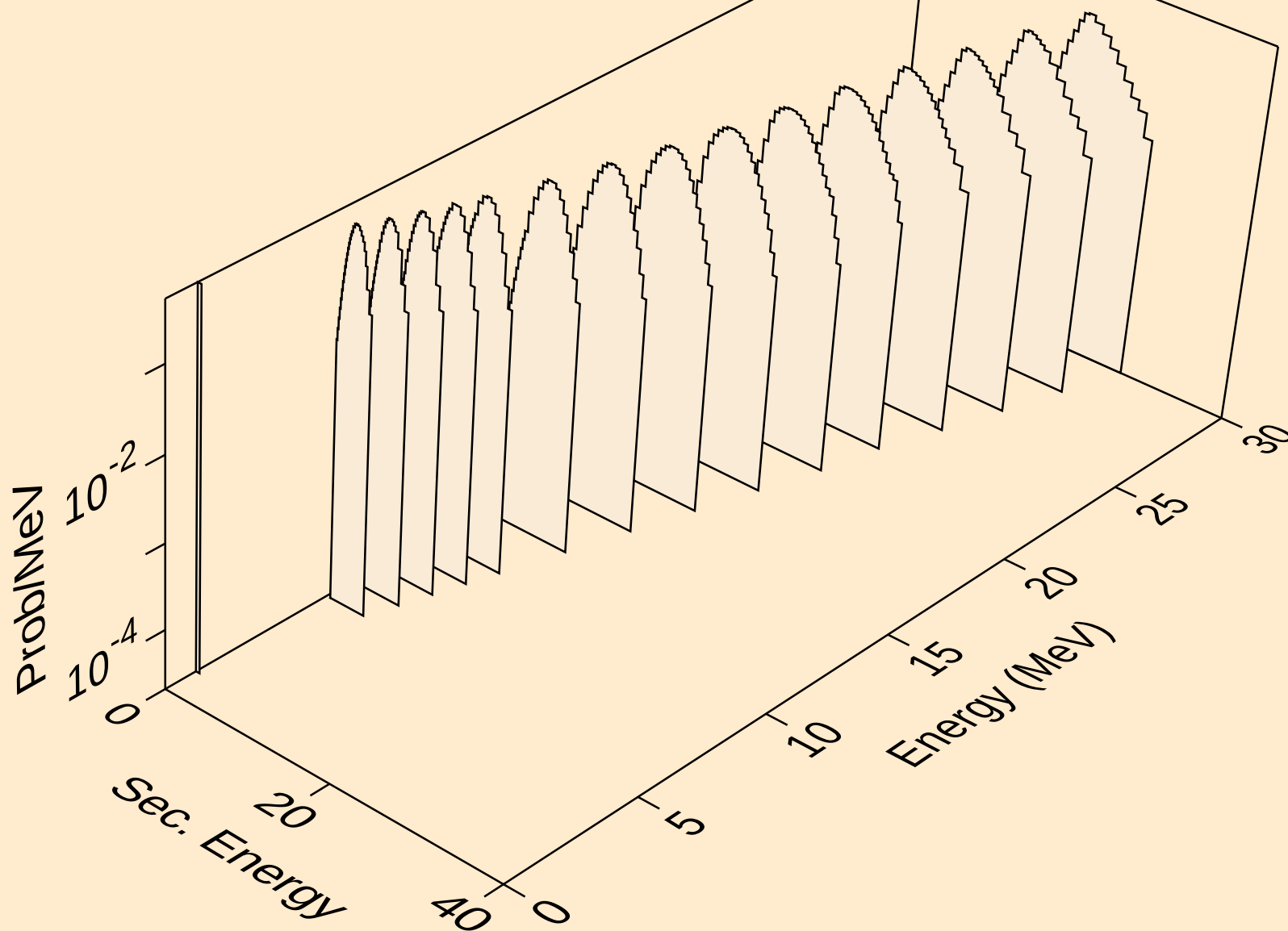


HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,n\*)d

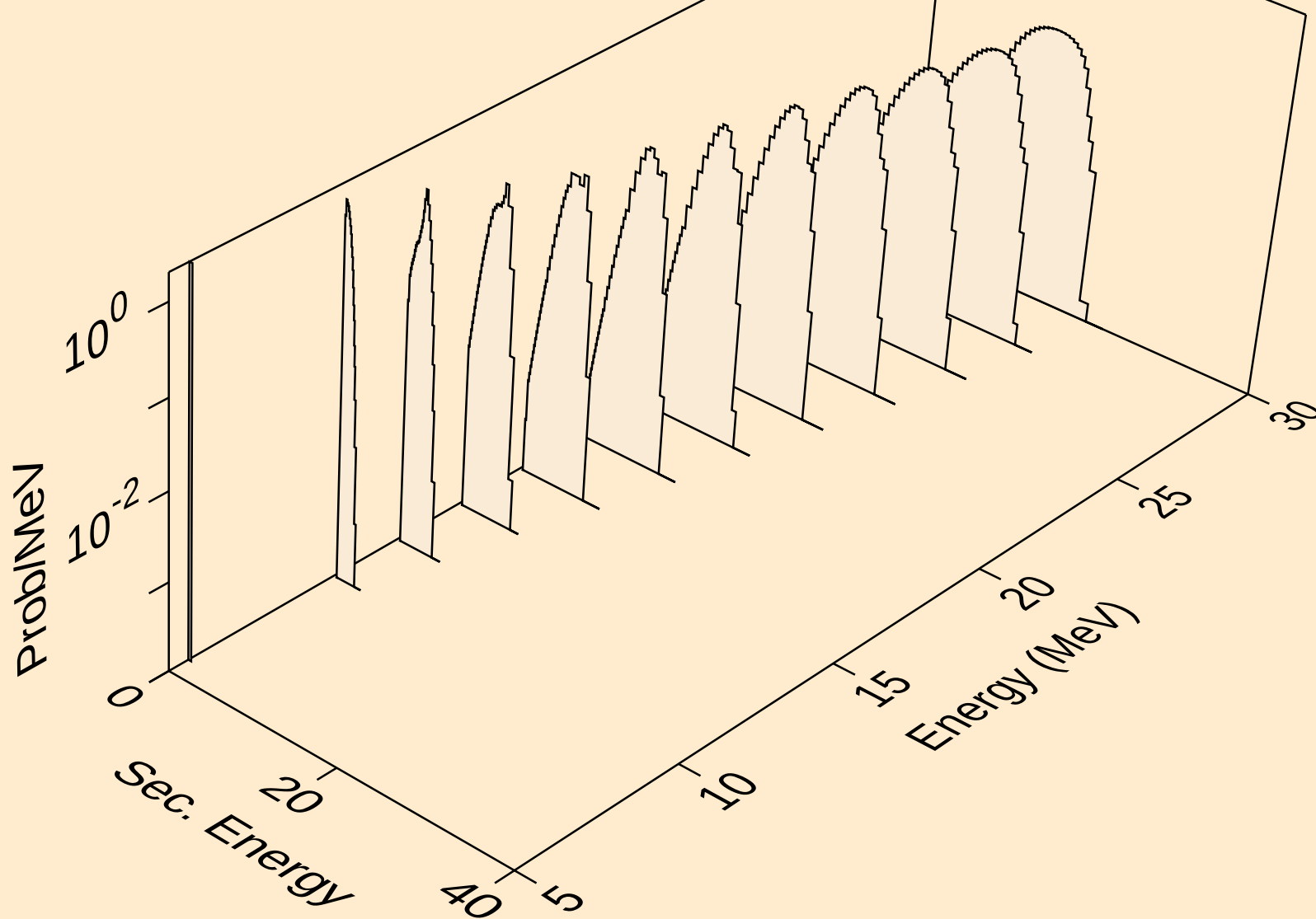




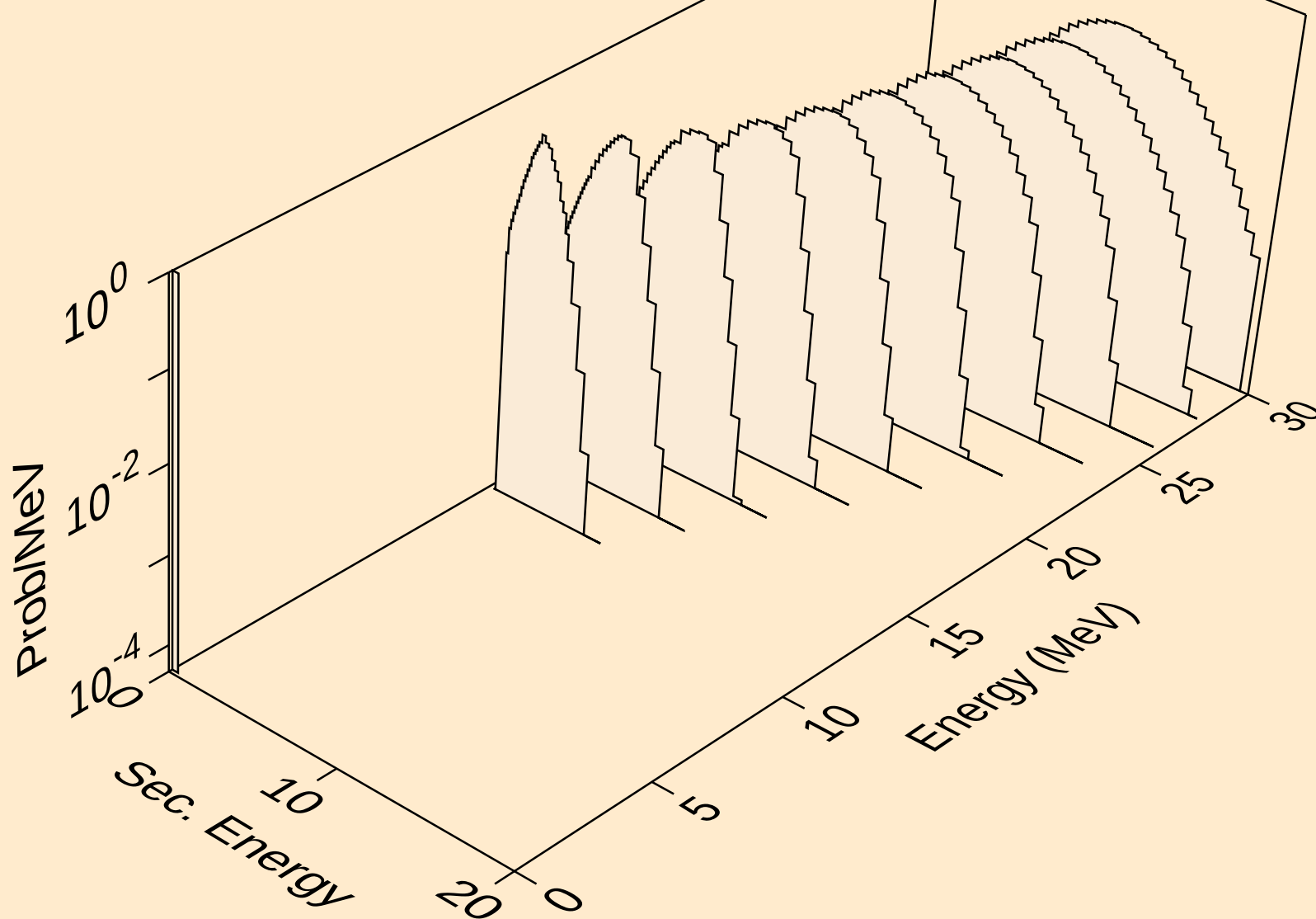
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,d)



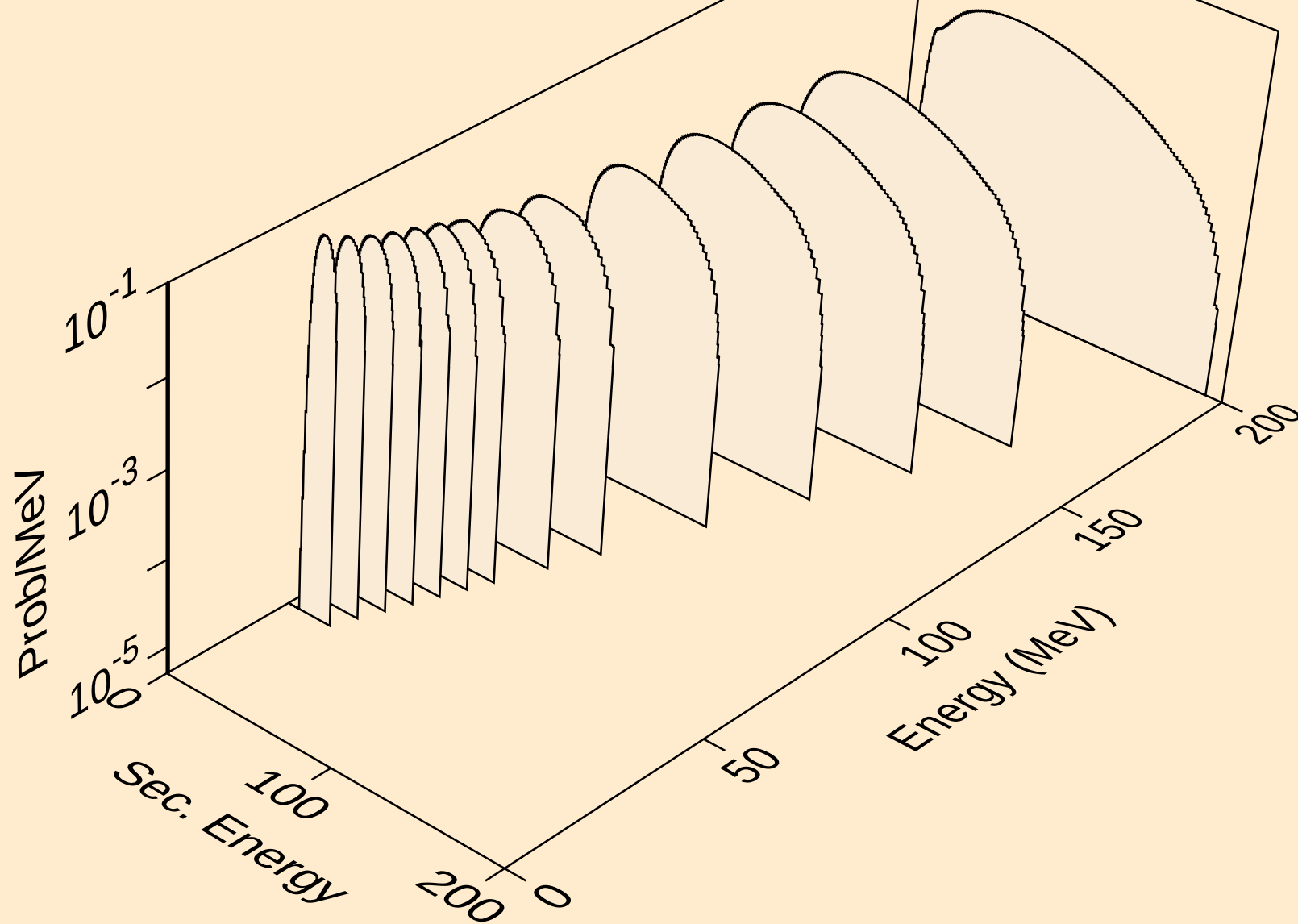
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,pd)



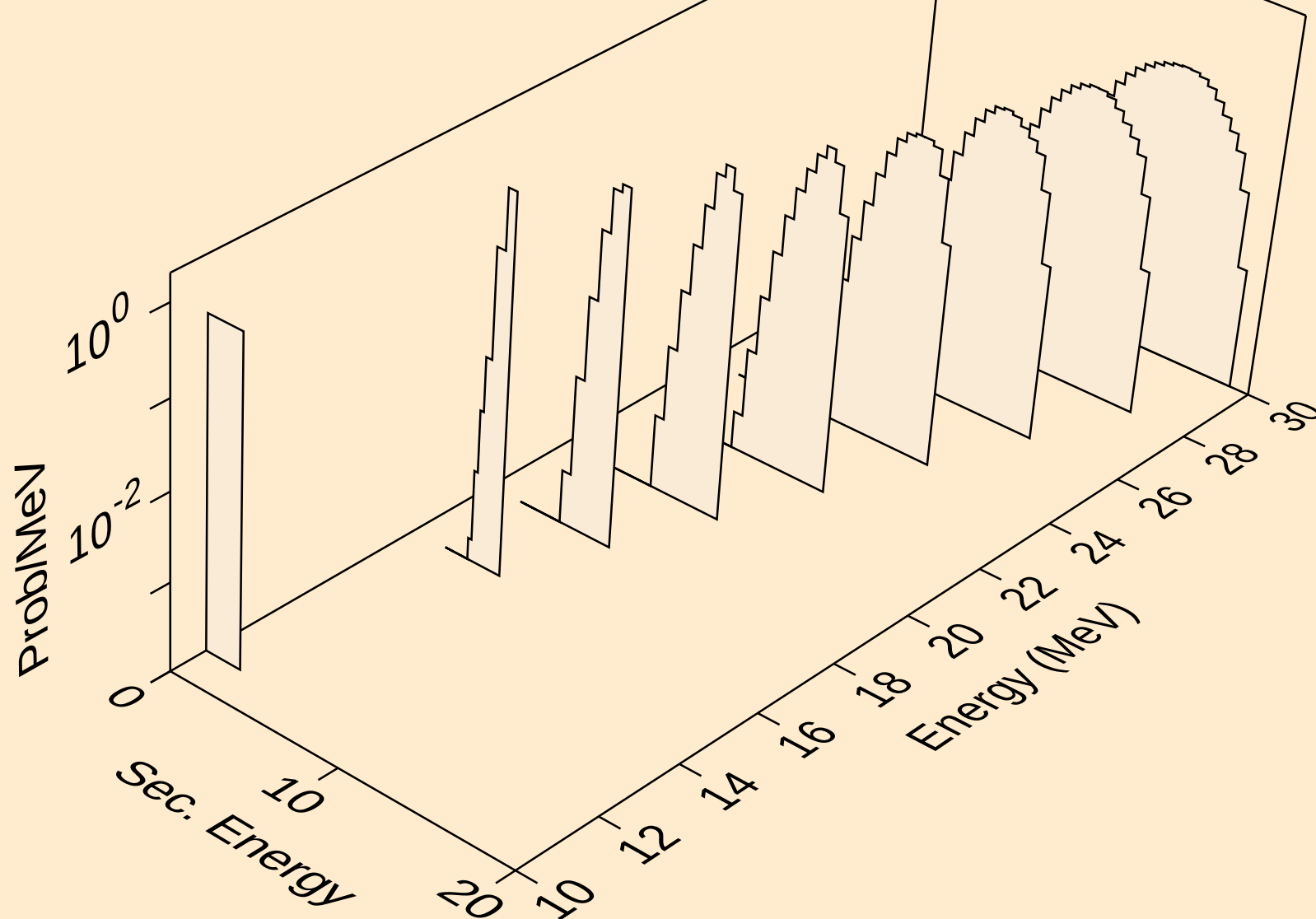
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deuterons from (s,da)



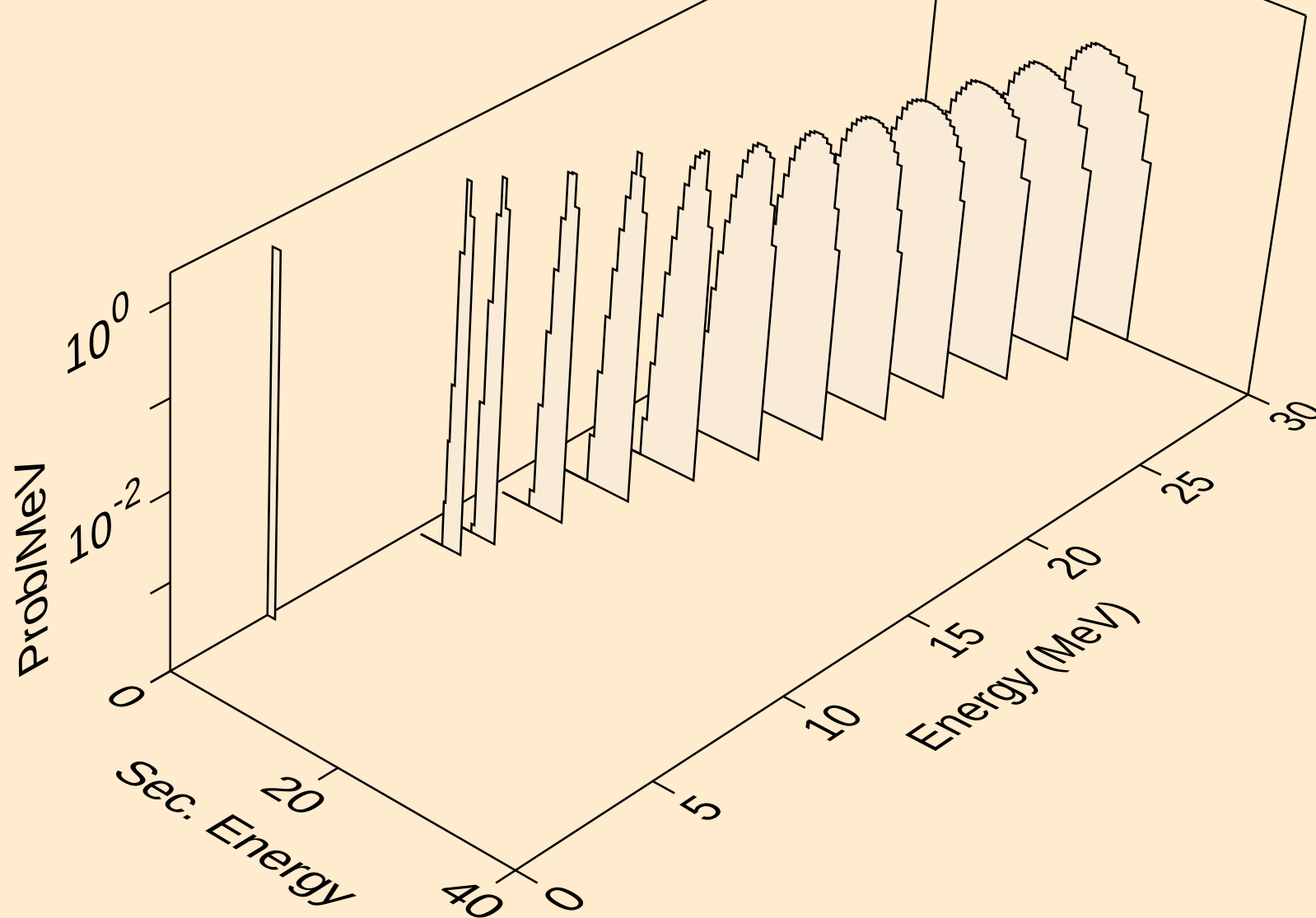
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,x)



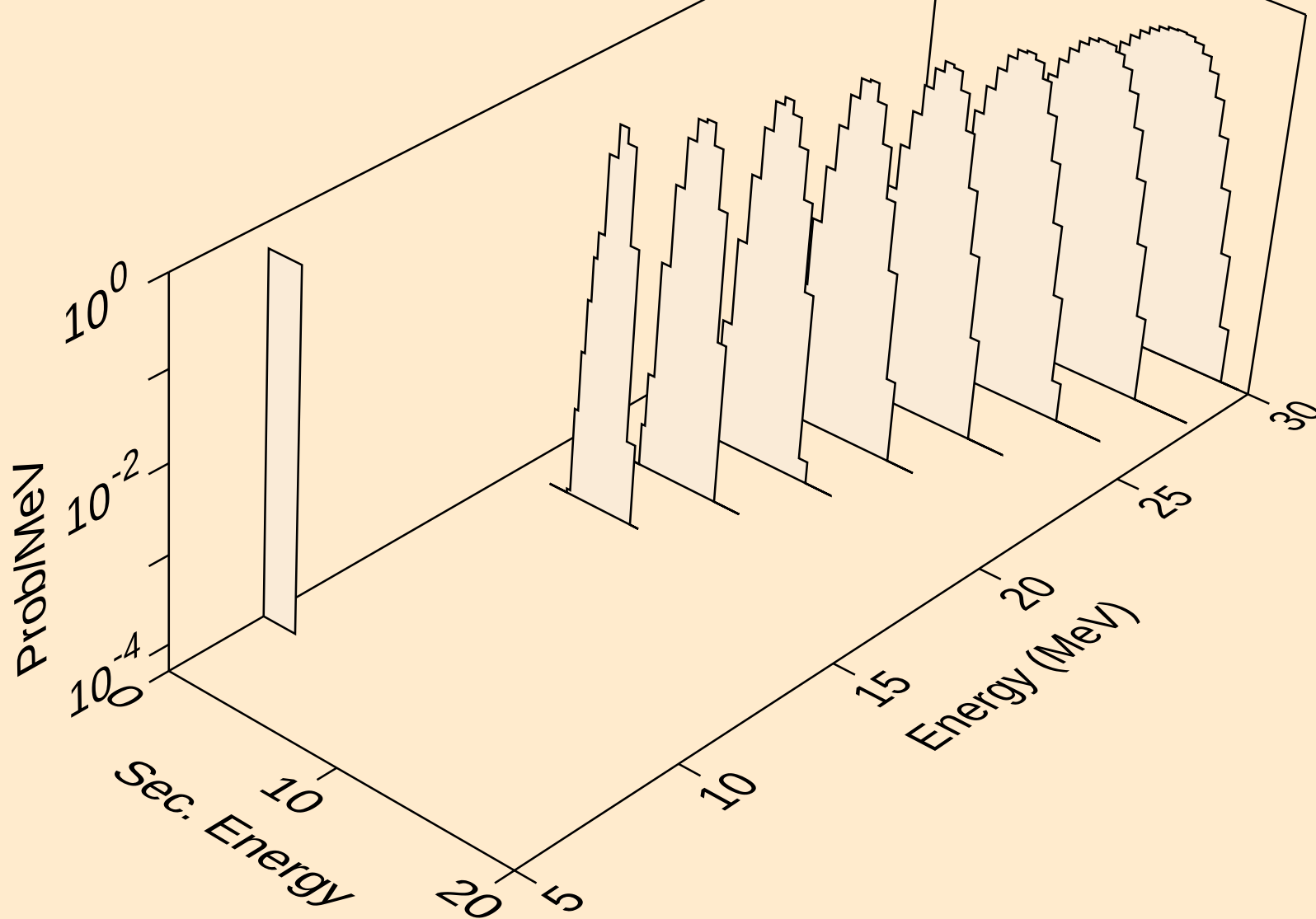
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,n\*)t



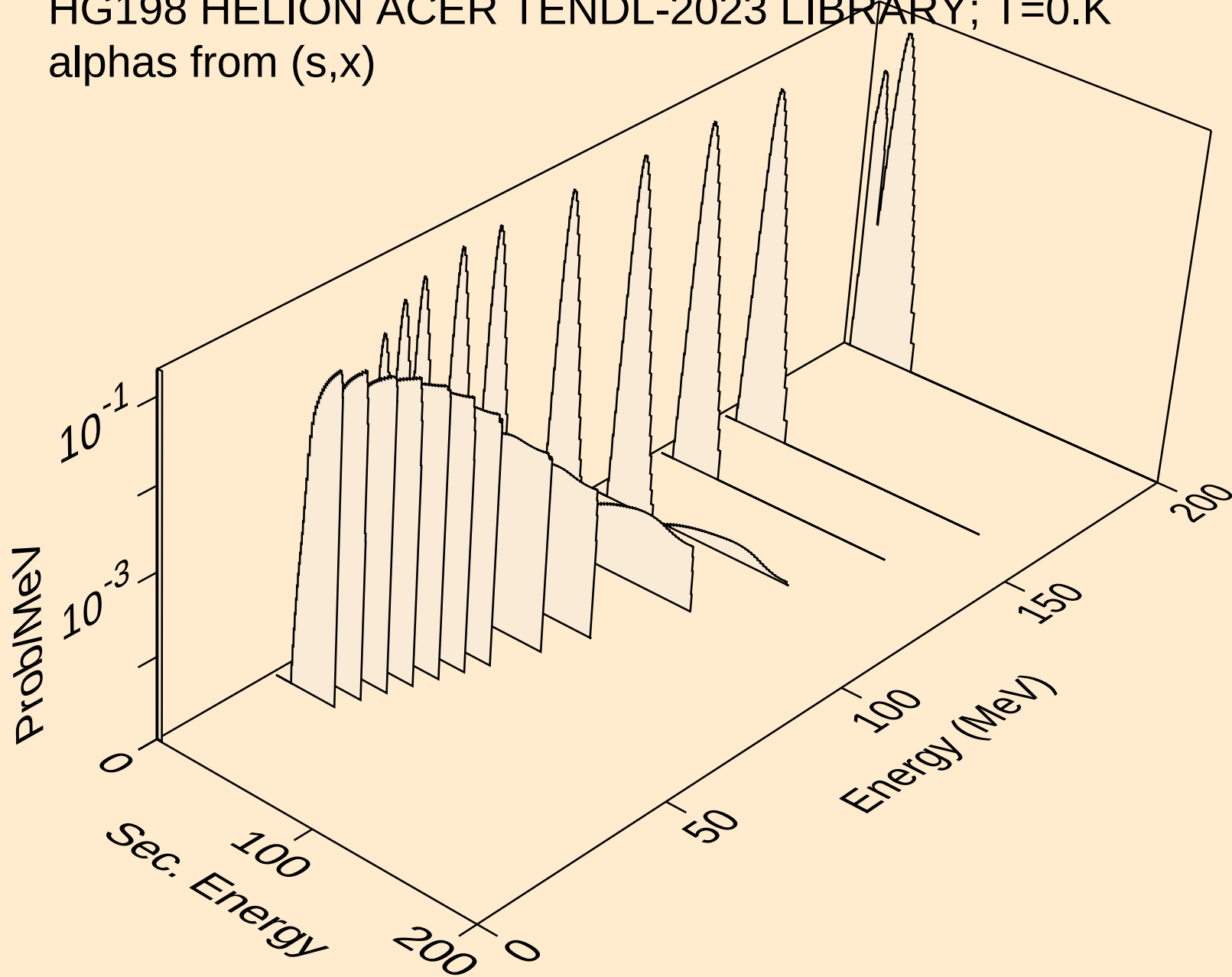
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,t)



HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,pt)

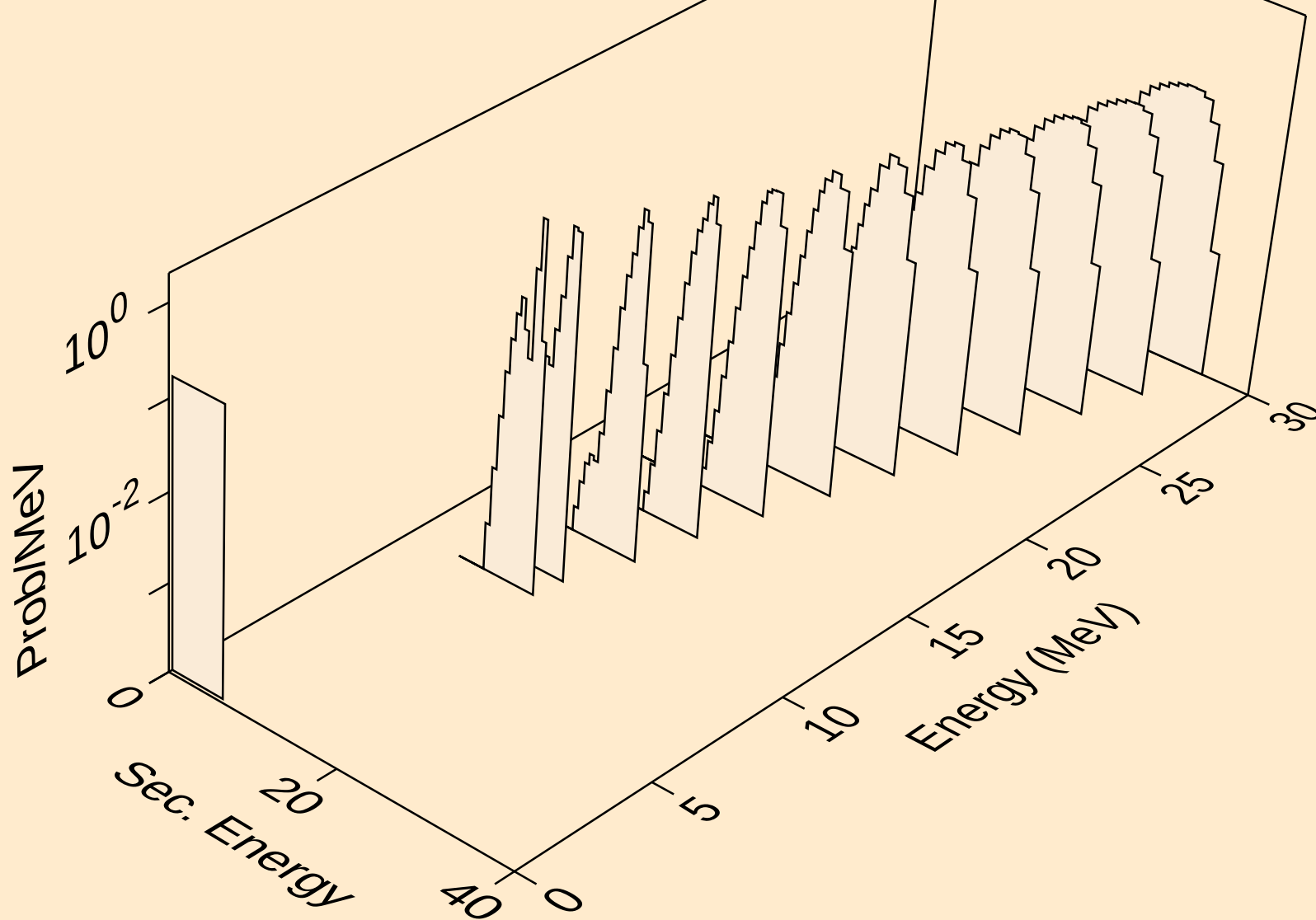


HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,x)

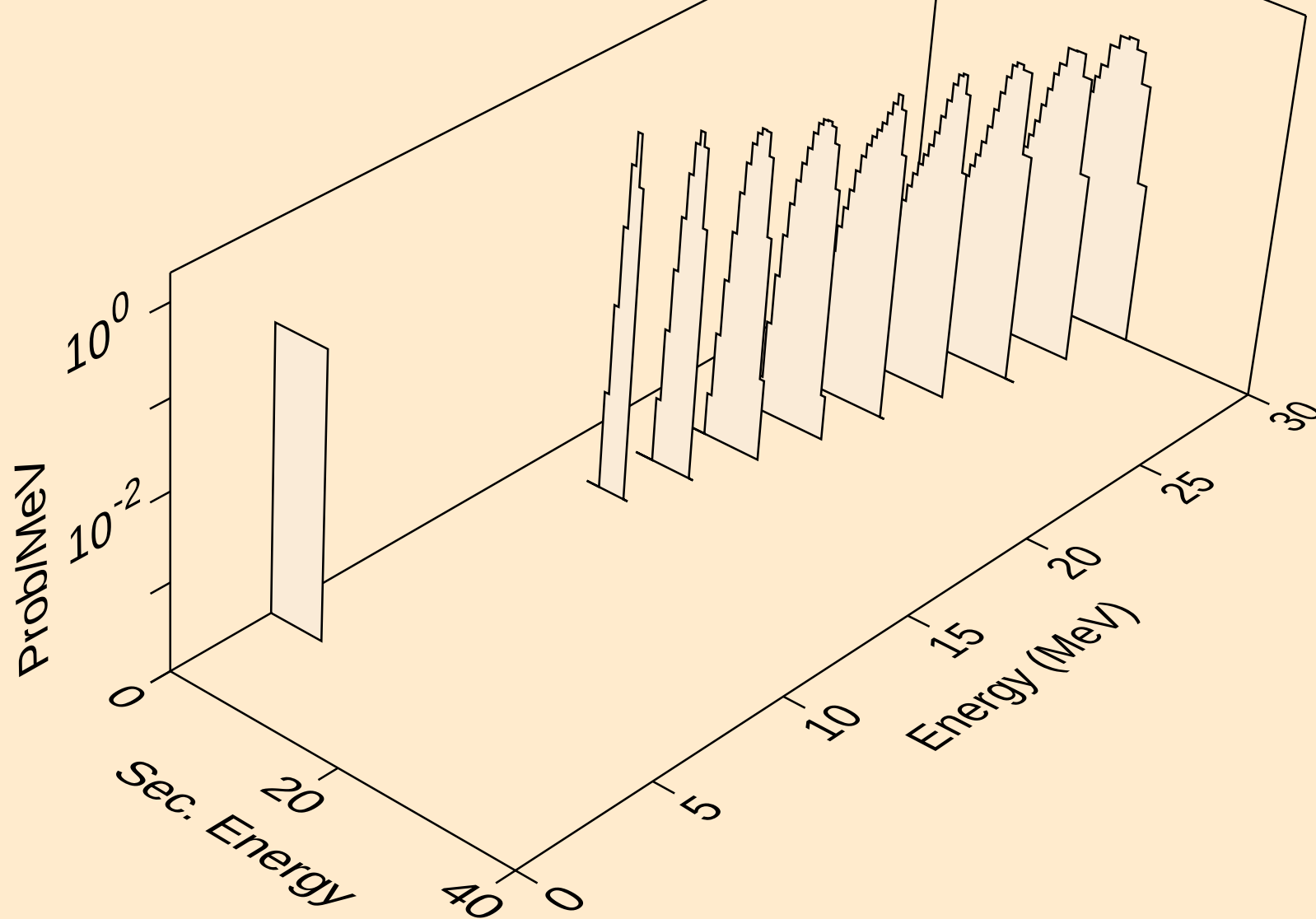




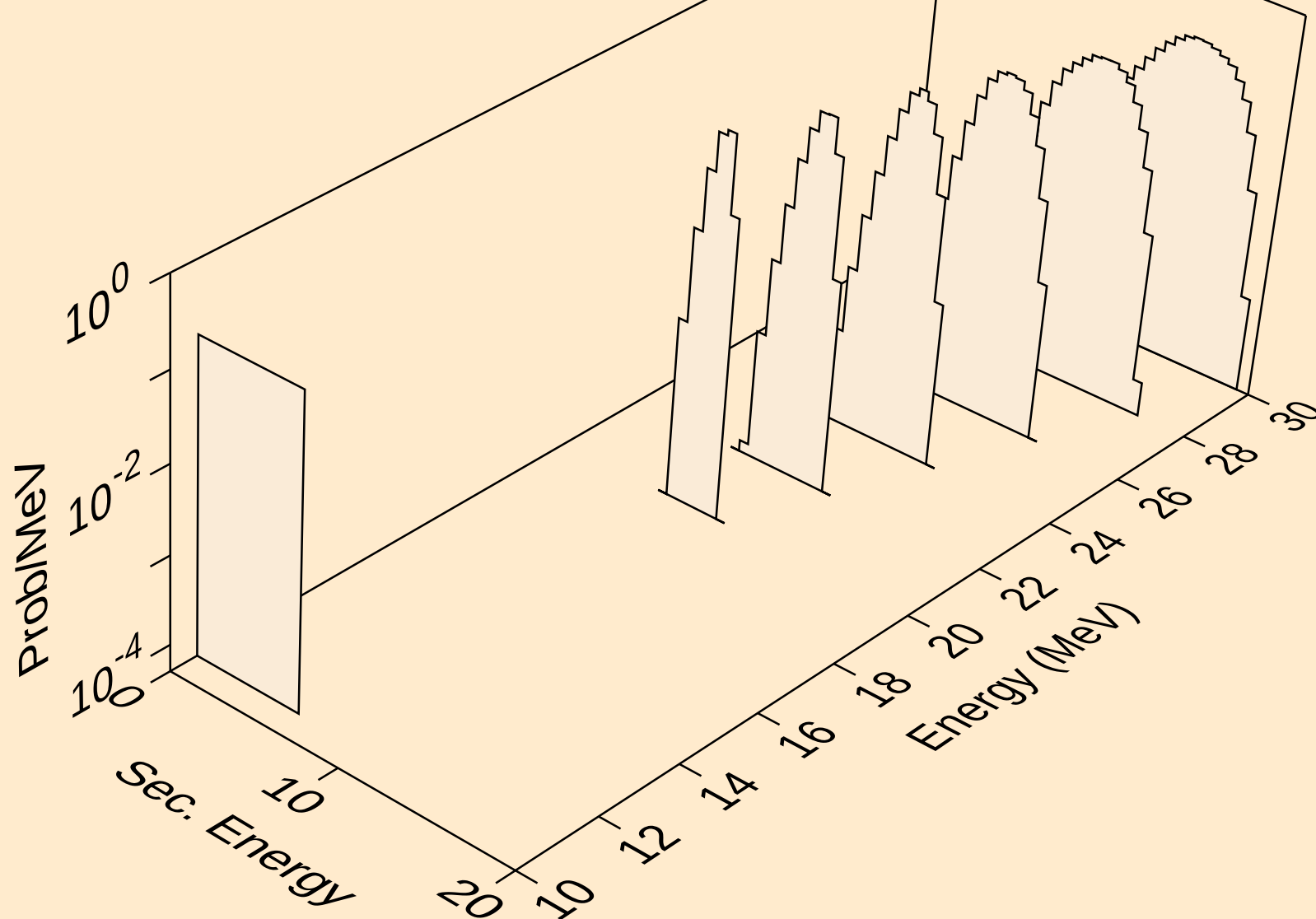
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)a



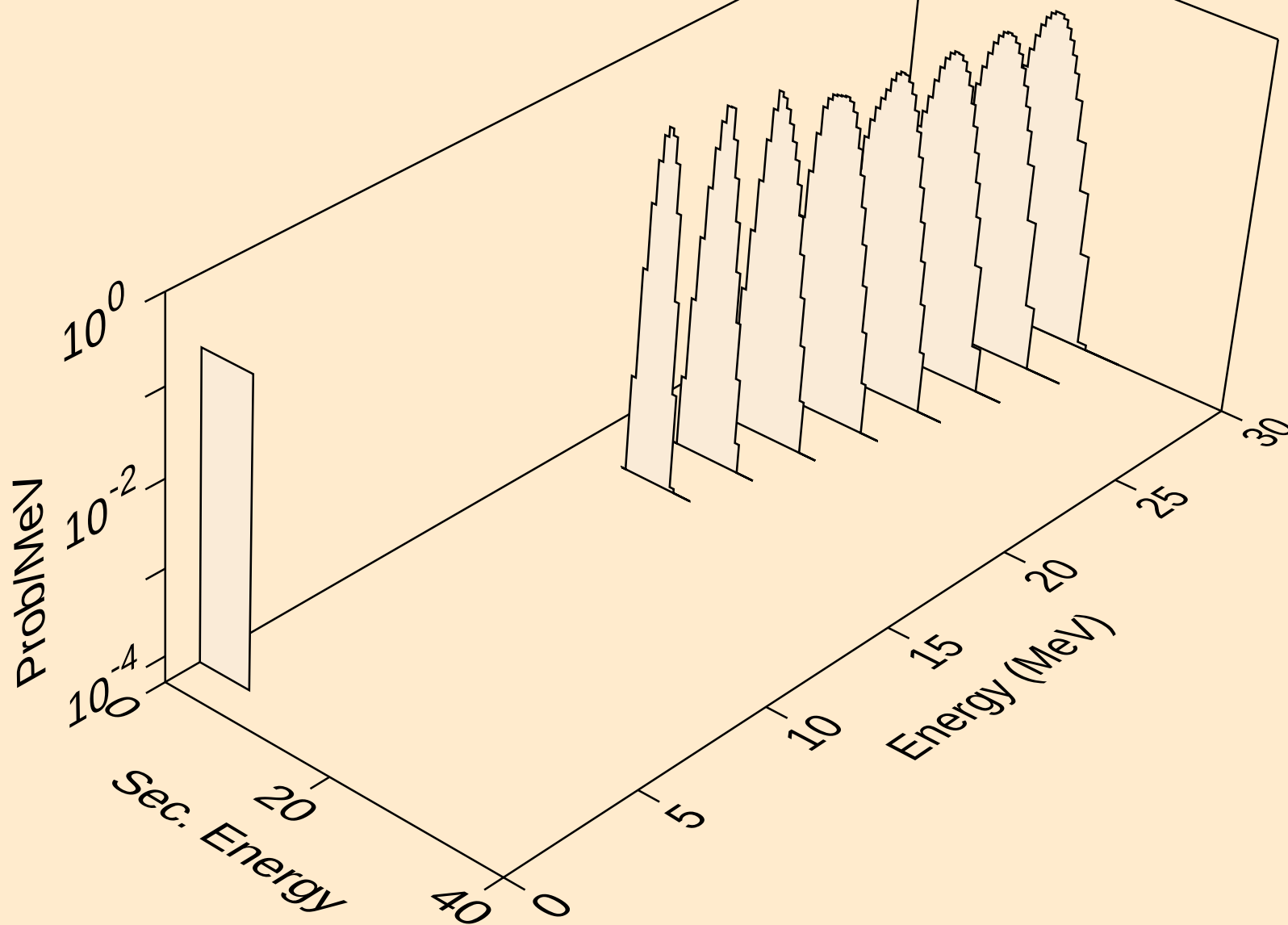
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2n)a



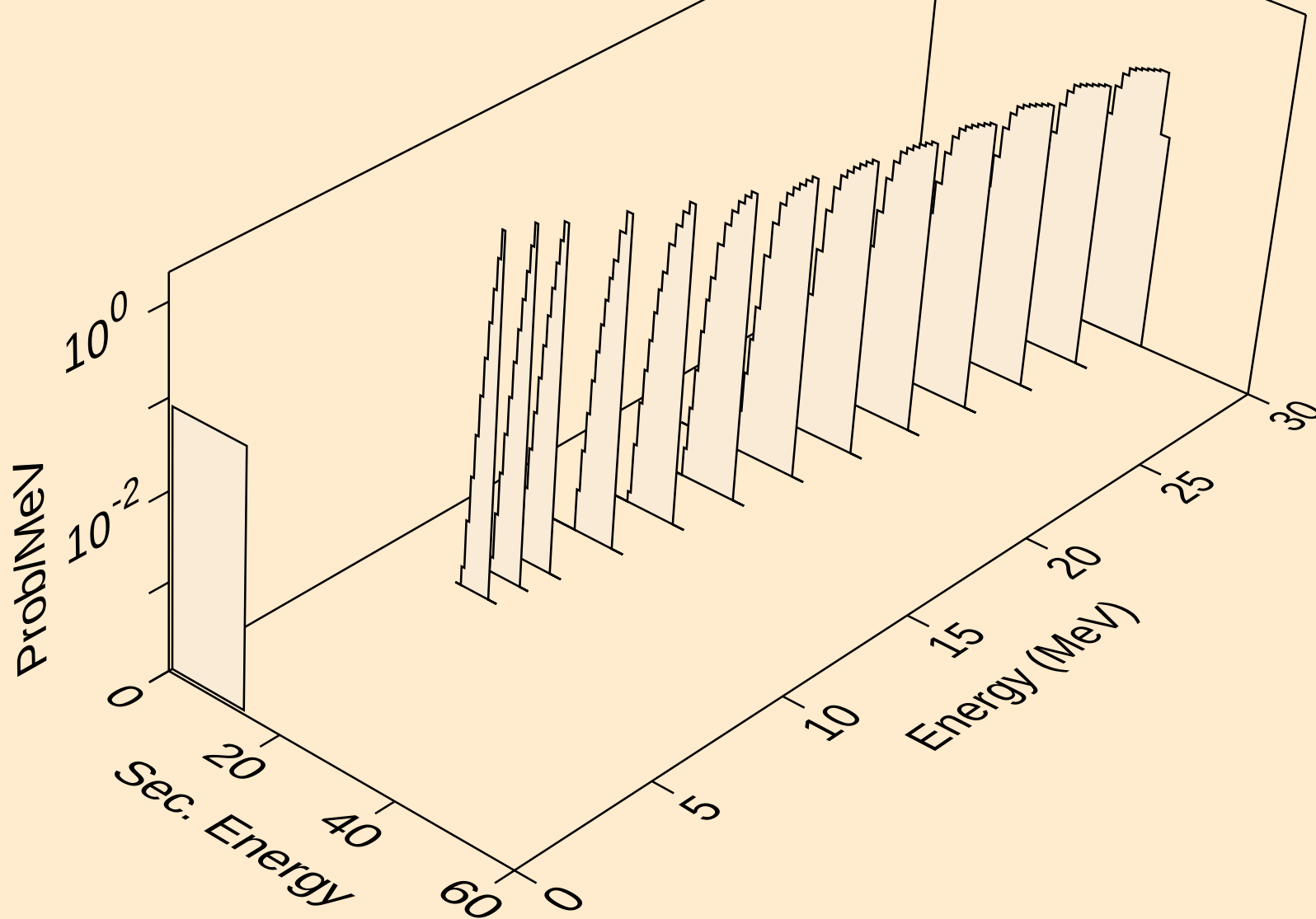
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,3n)a



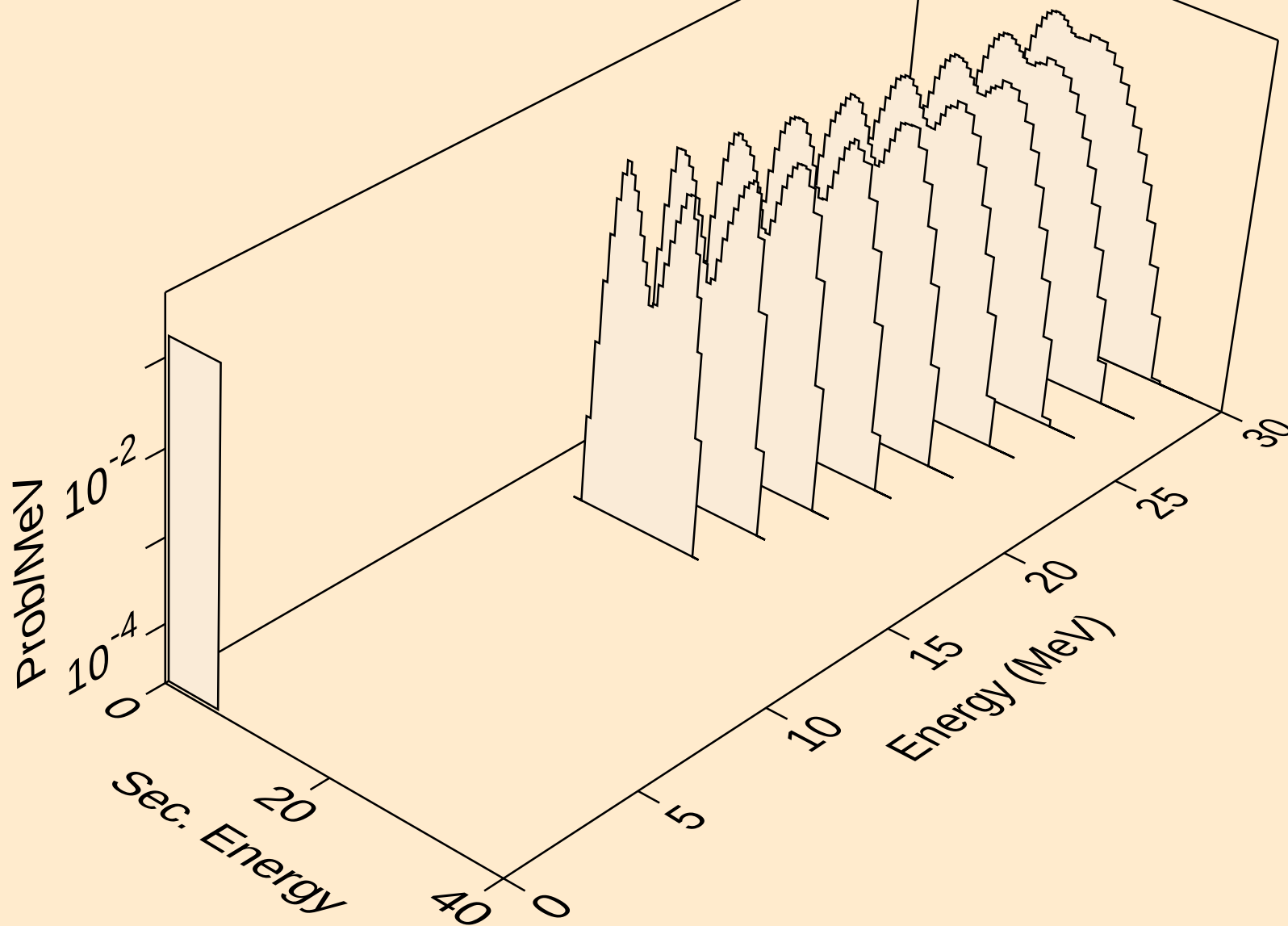
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,npa)



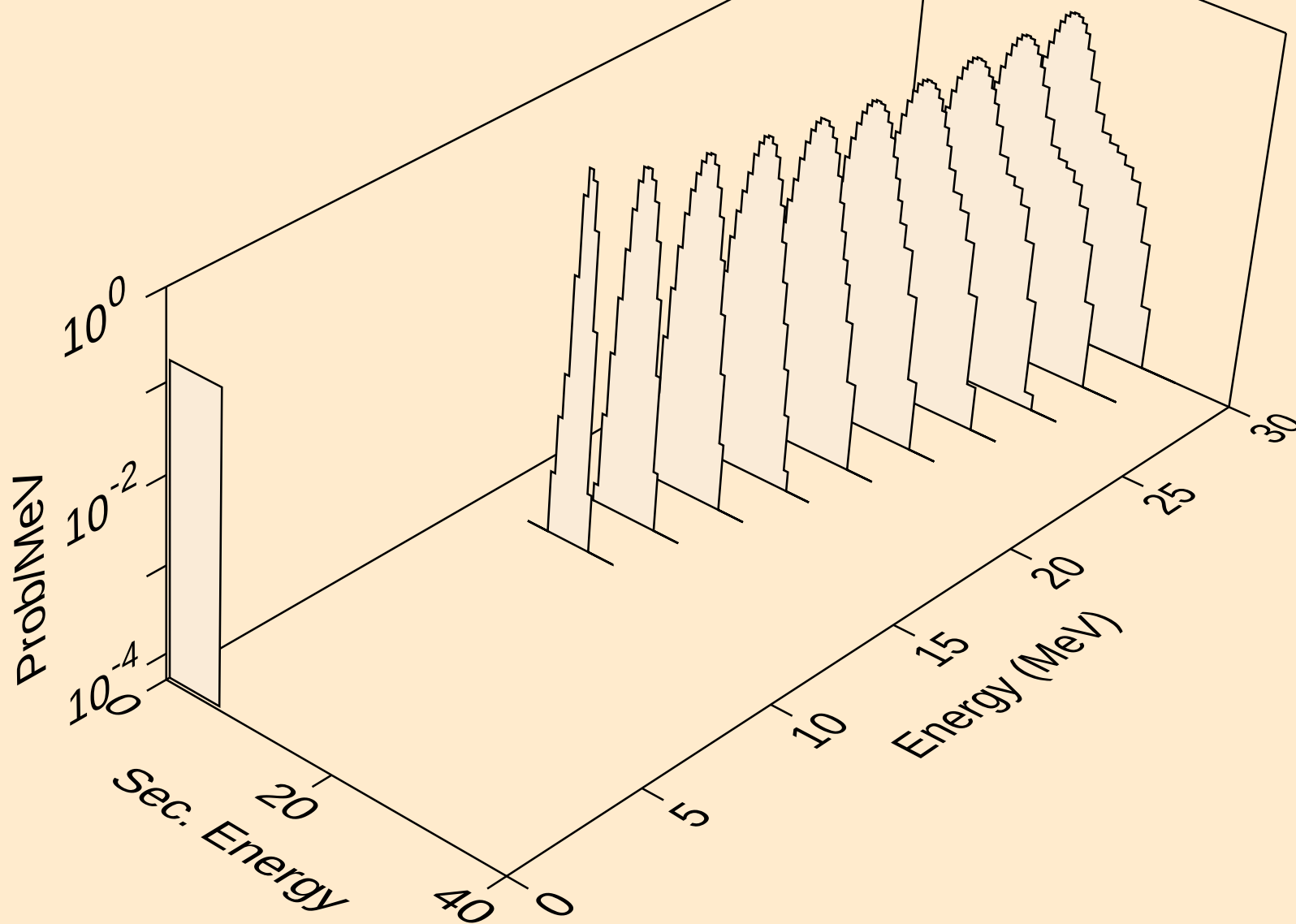
HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,a)



HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2a)



HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



HG198 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

