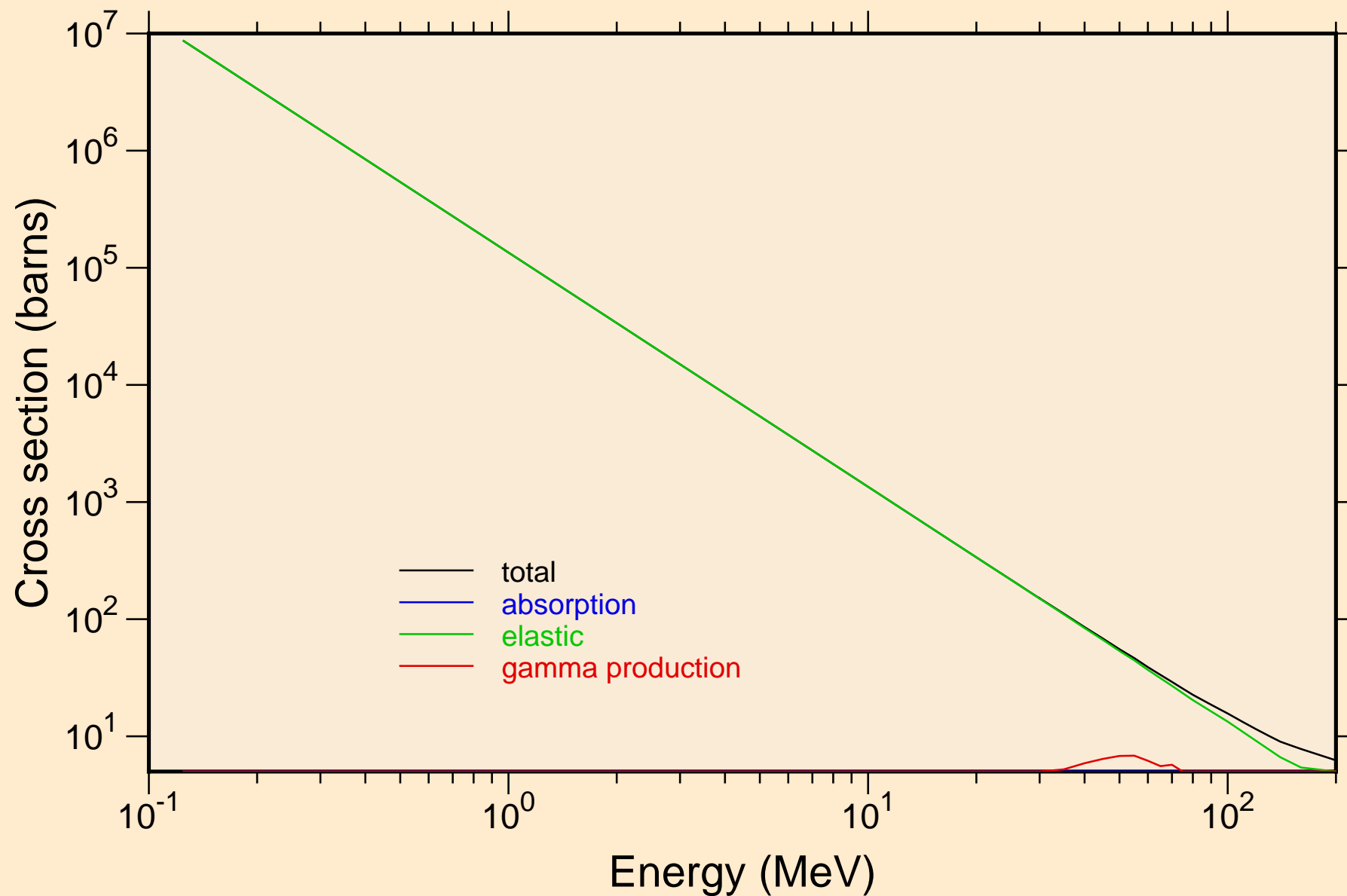


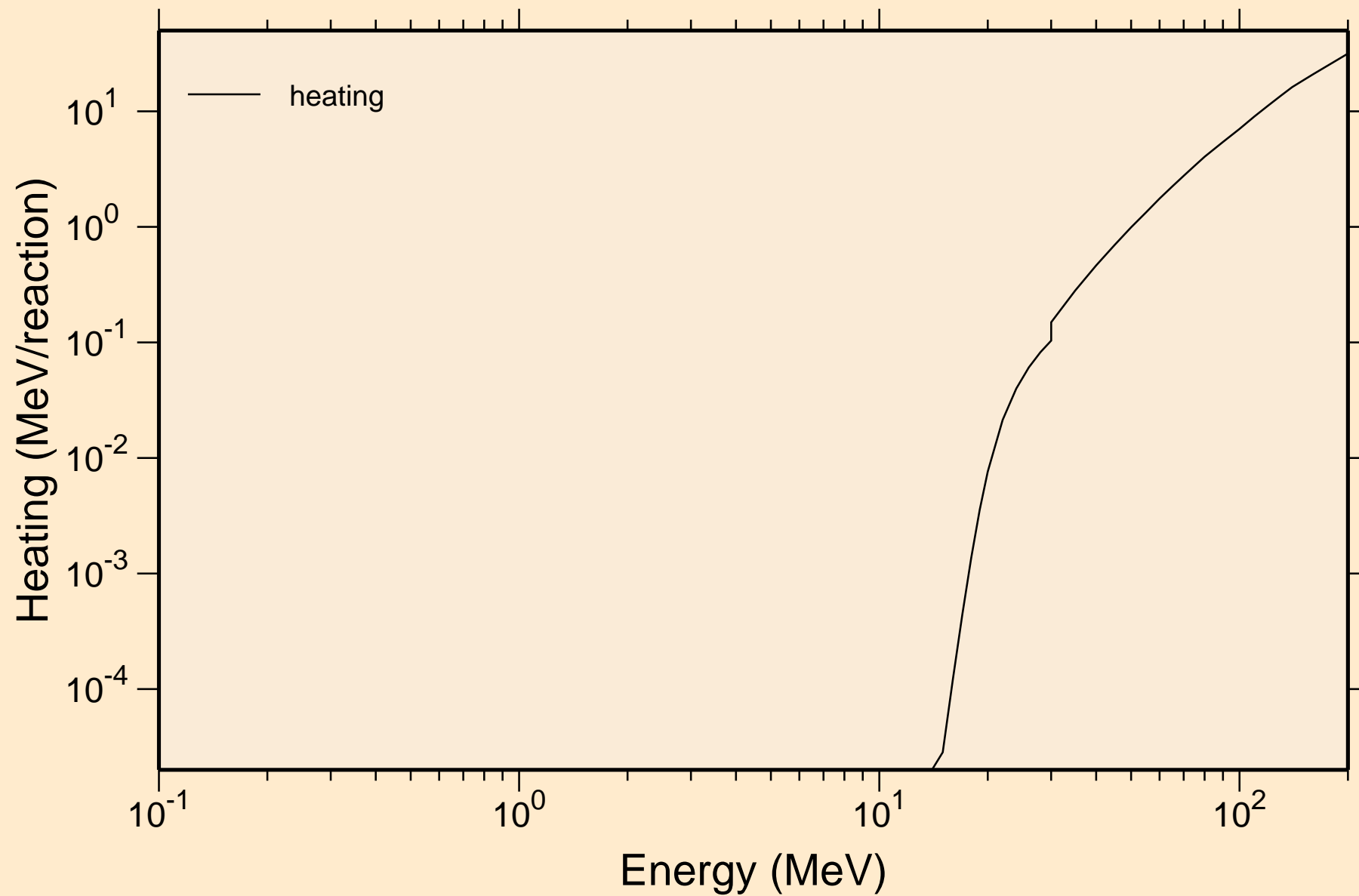
# TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



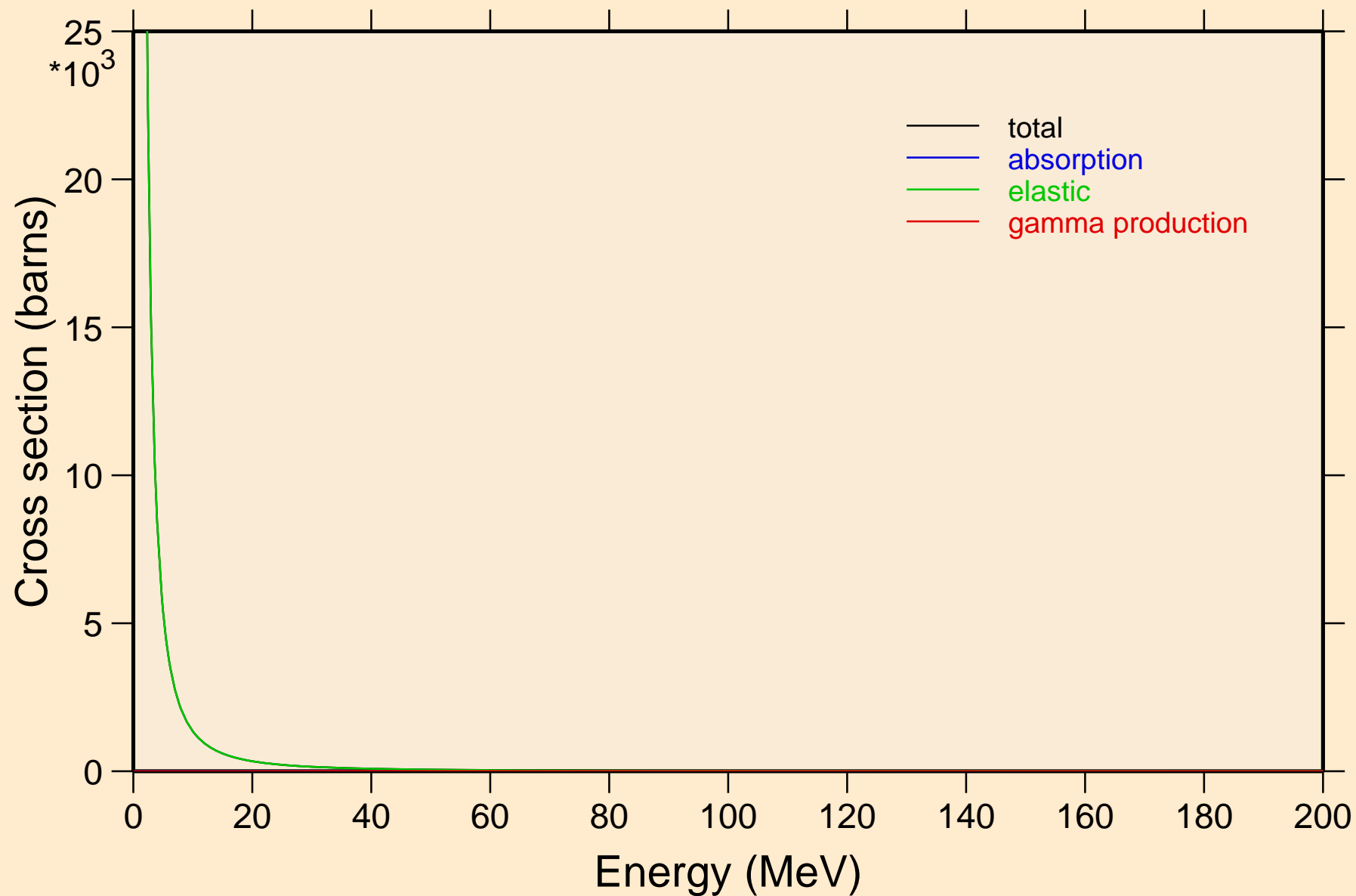
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K

Heating



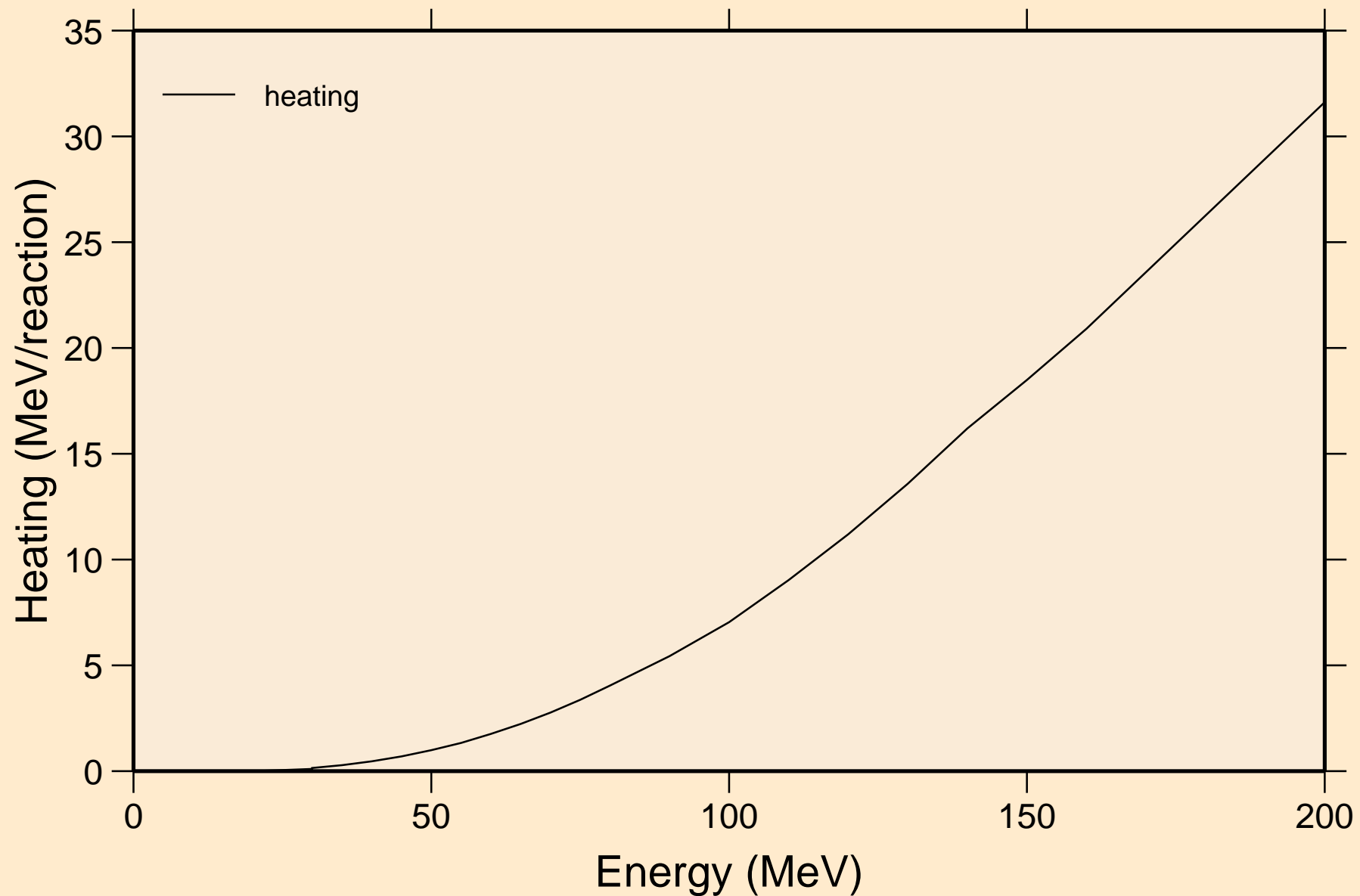
# TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



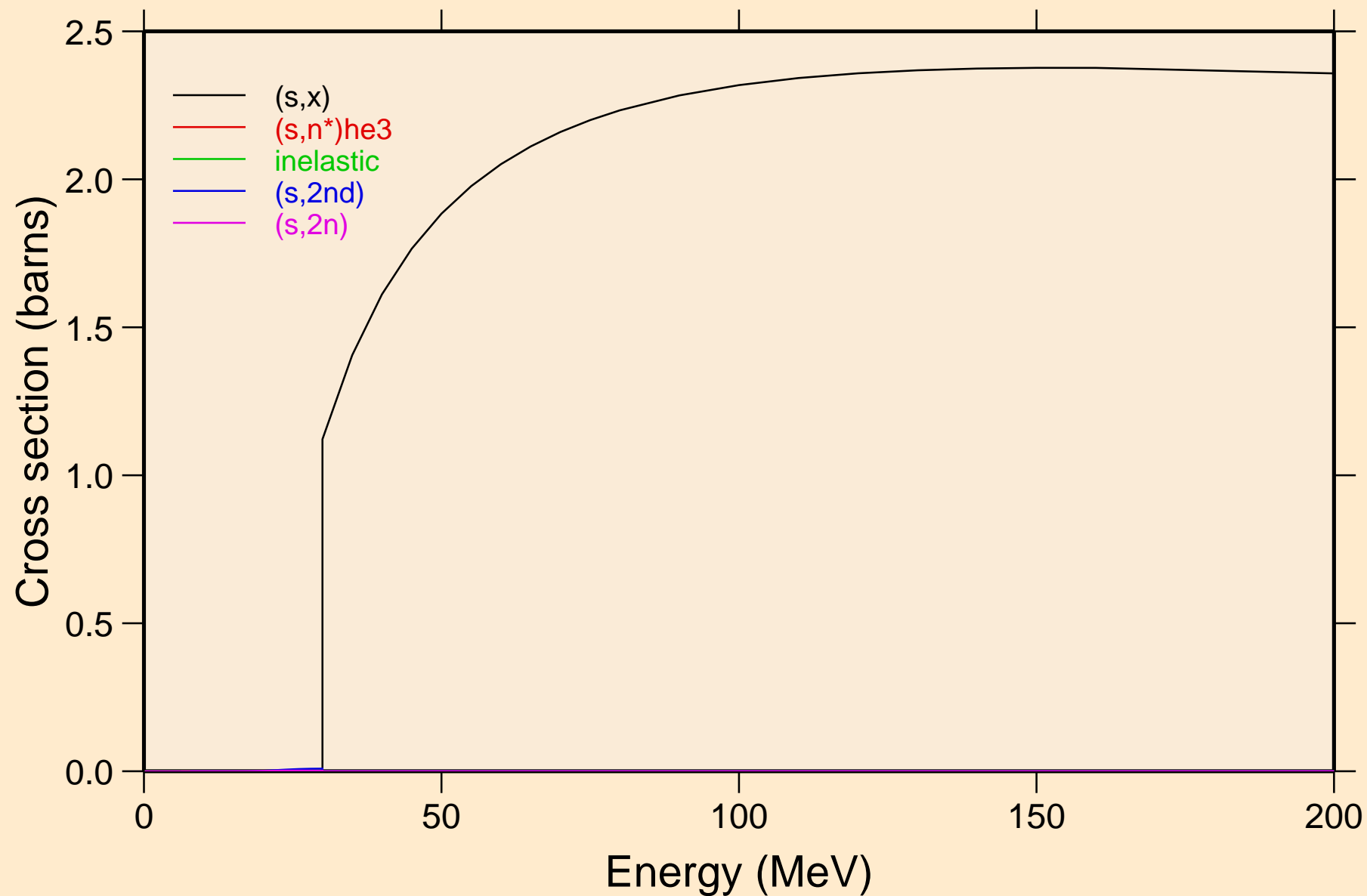
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K

Heating

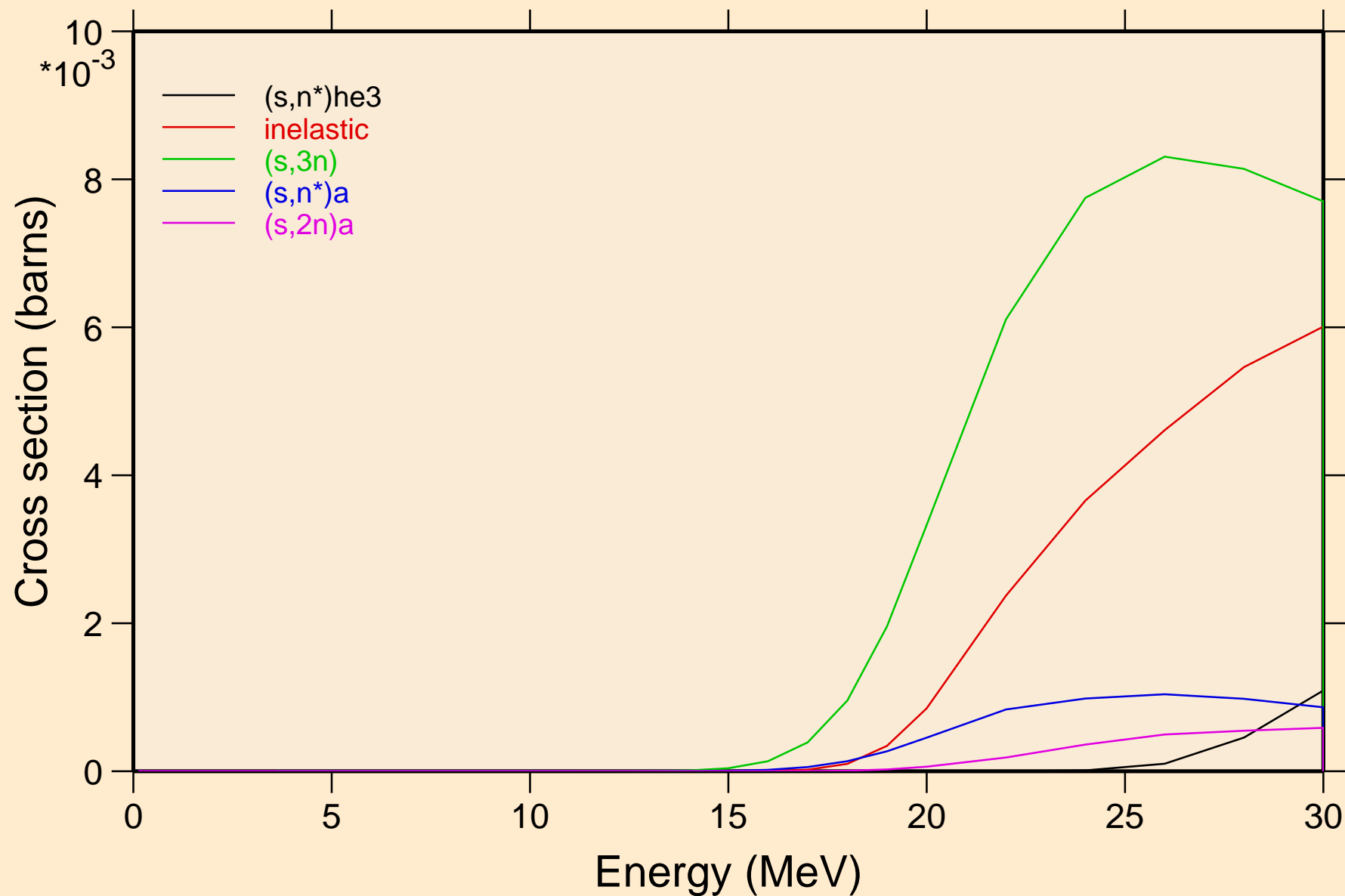


# TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K

Threshold reactions

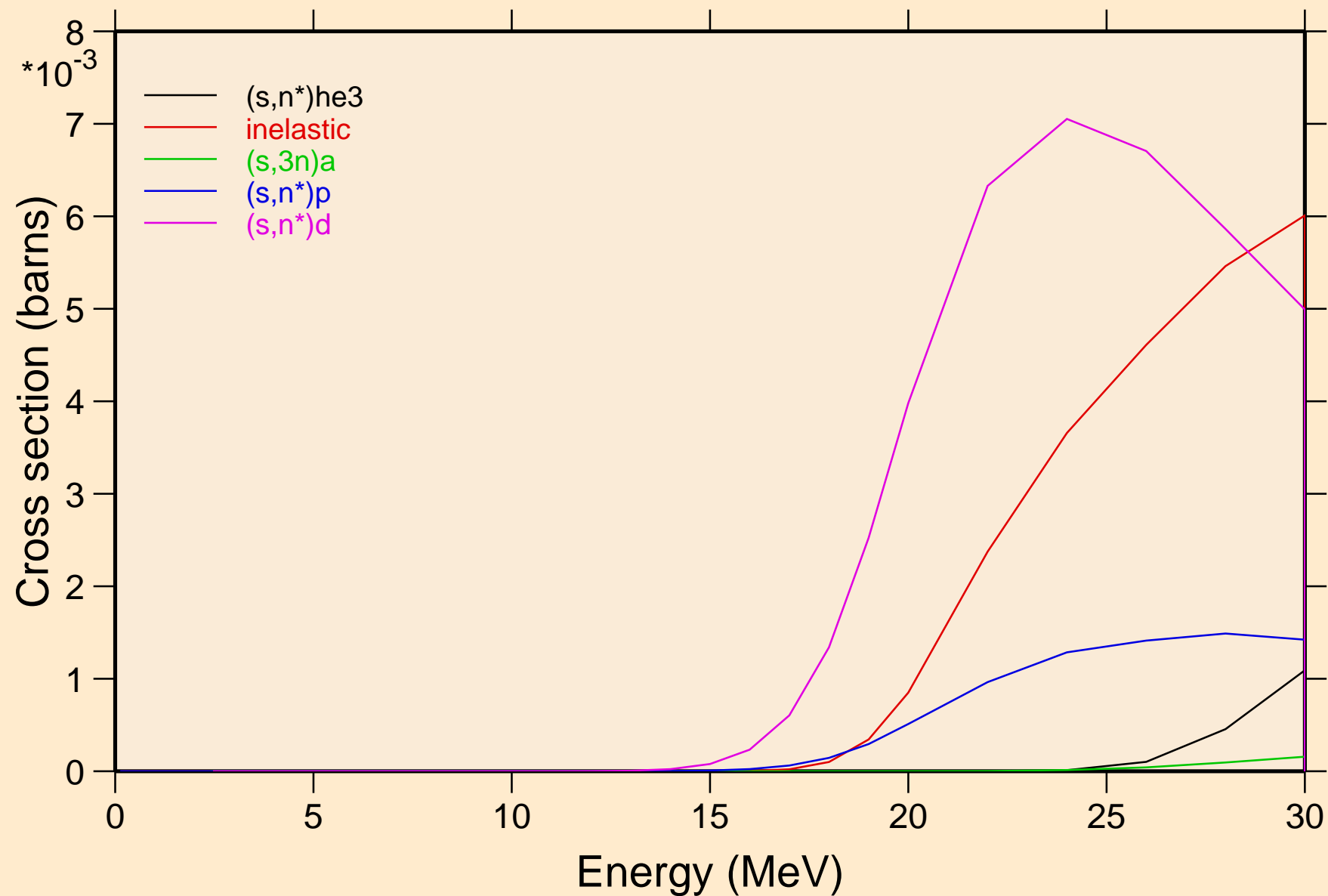


TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



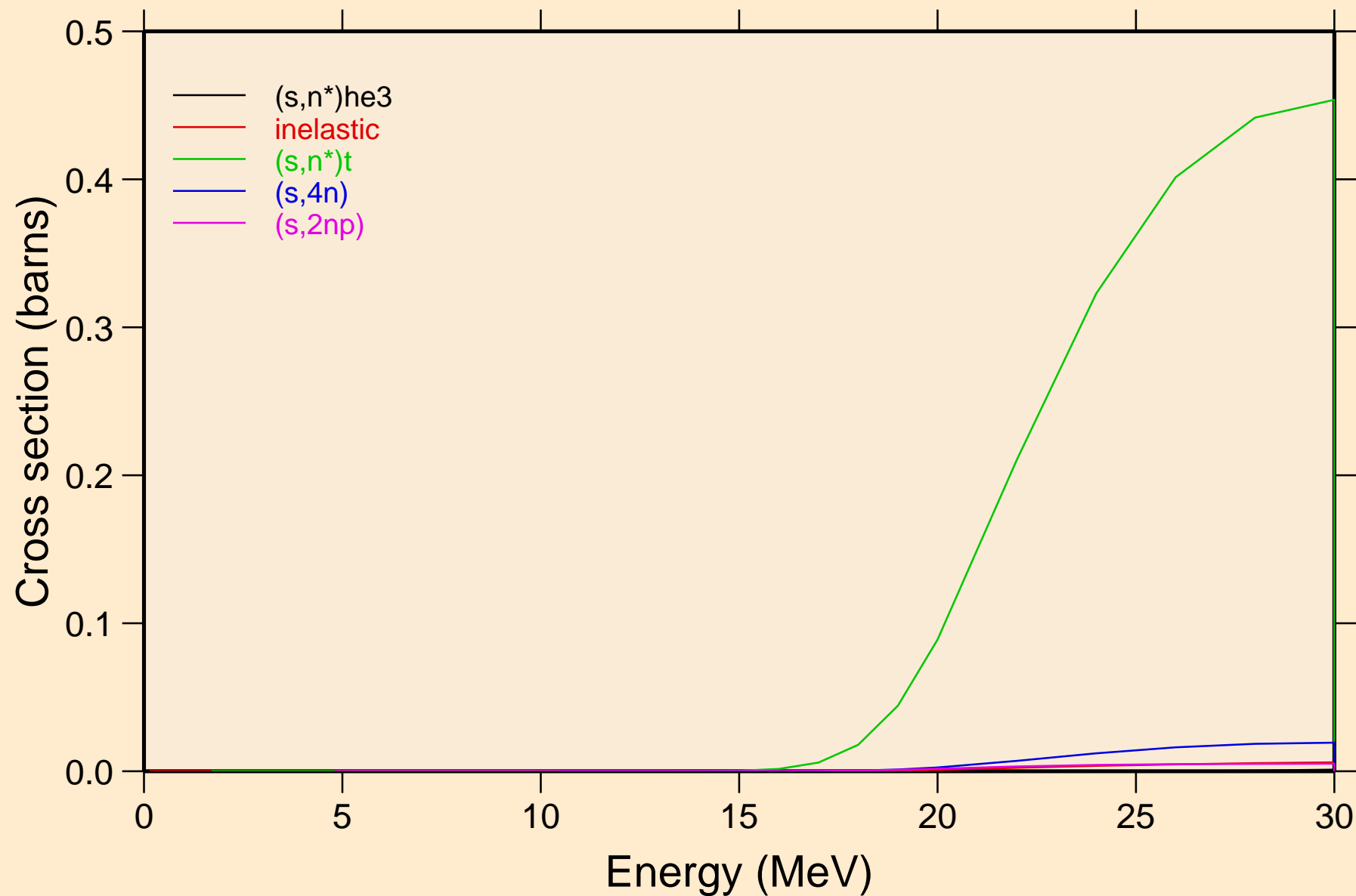
# TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



# TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K

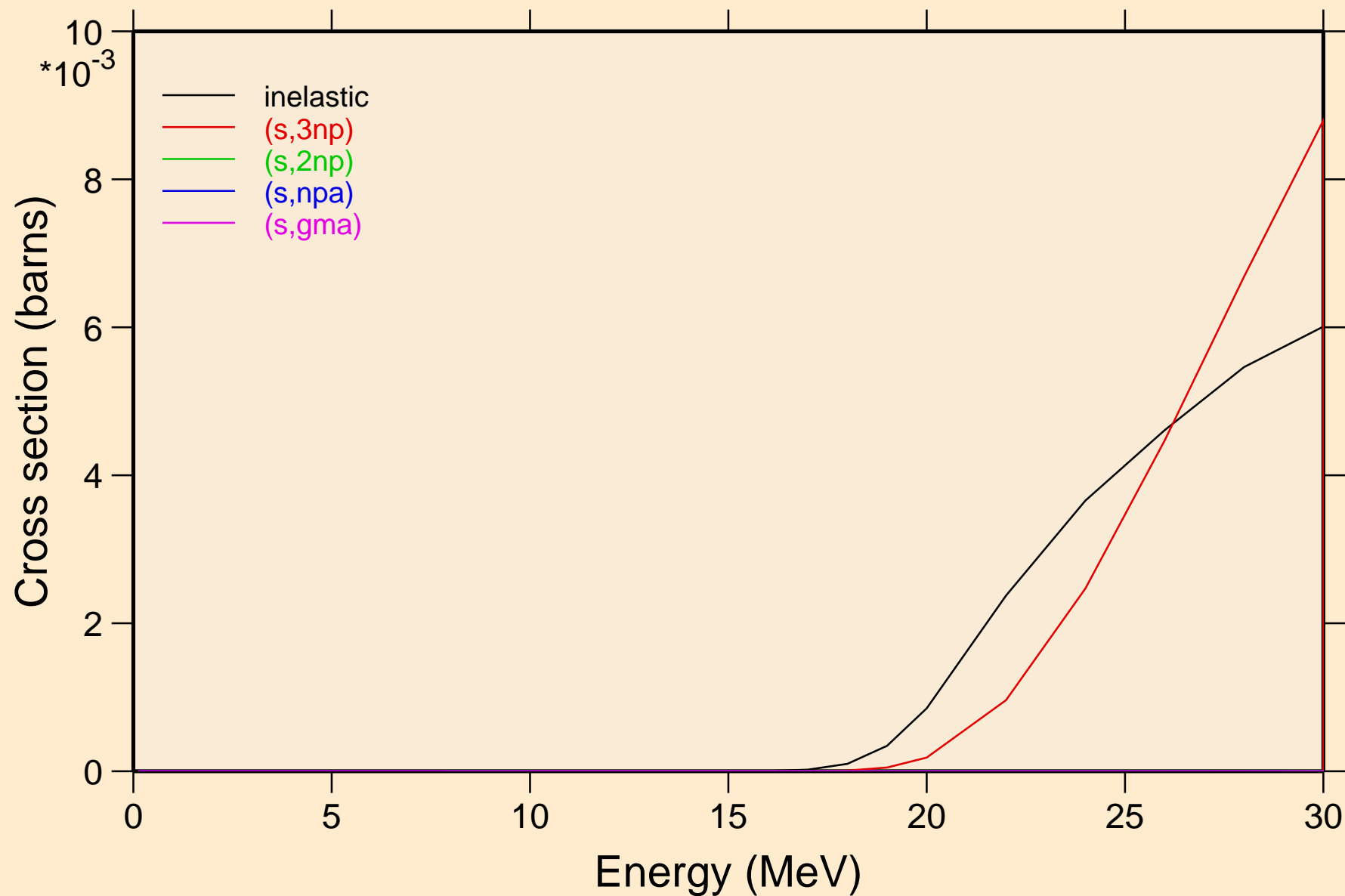
Threshold reactions





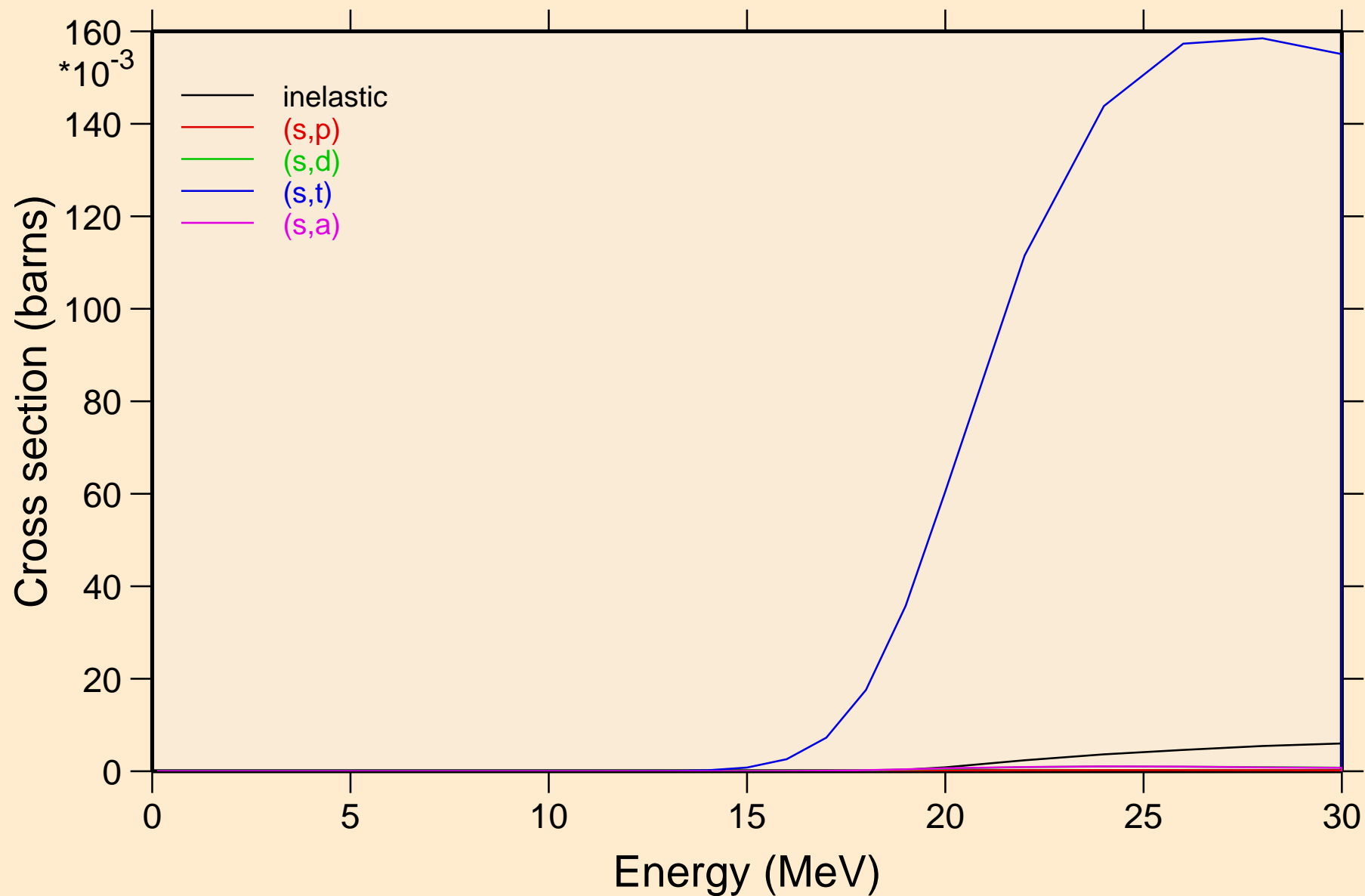
# TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



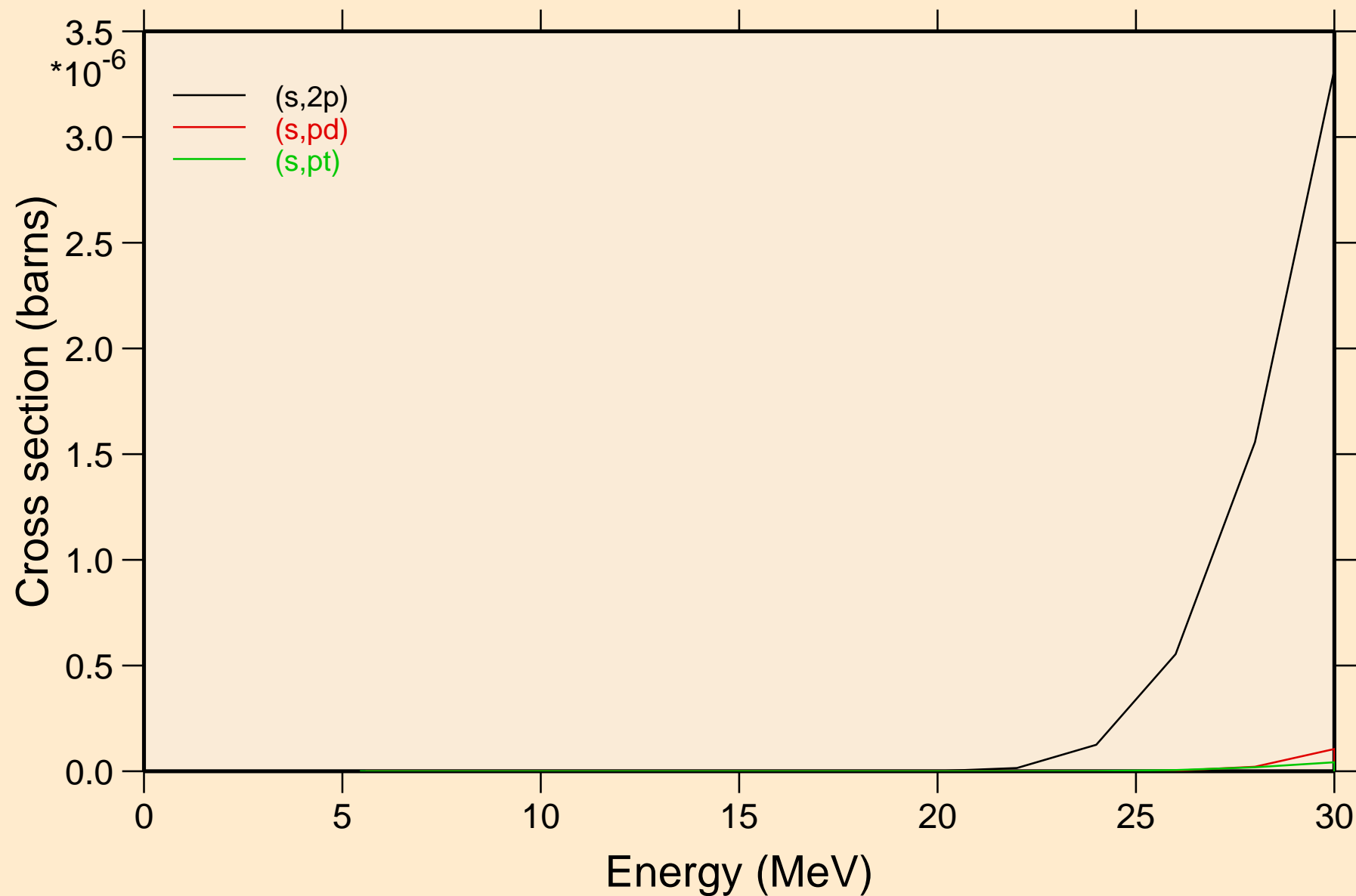
# TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions

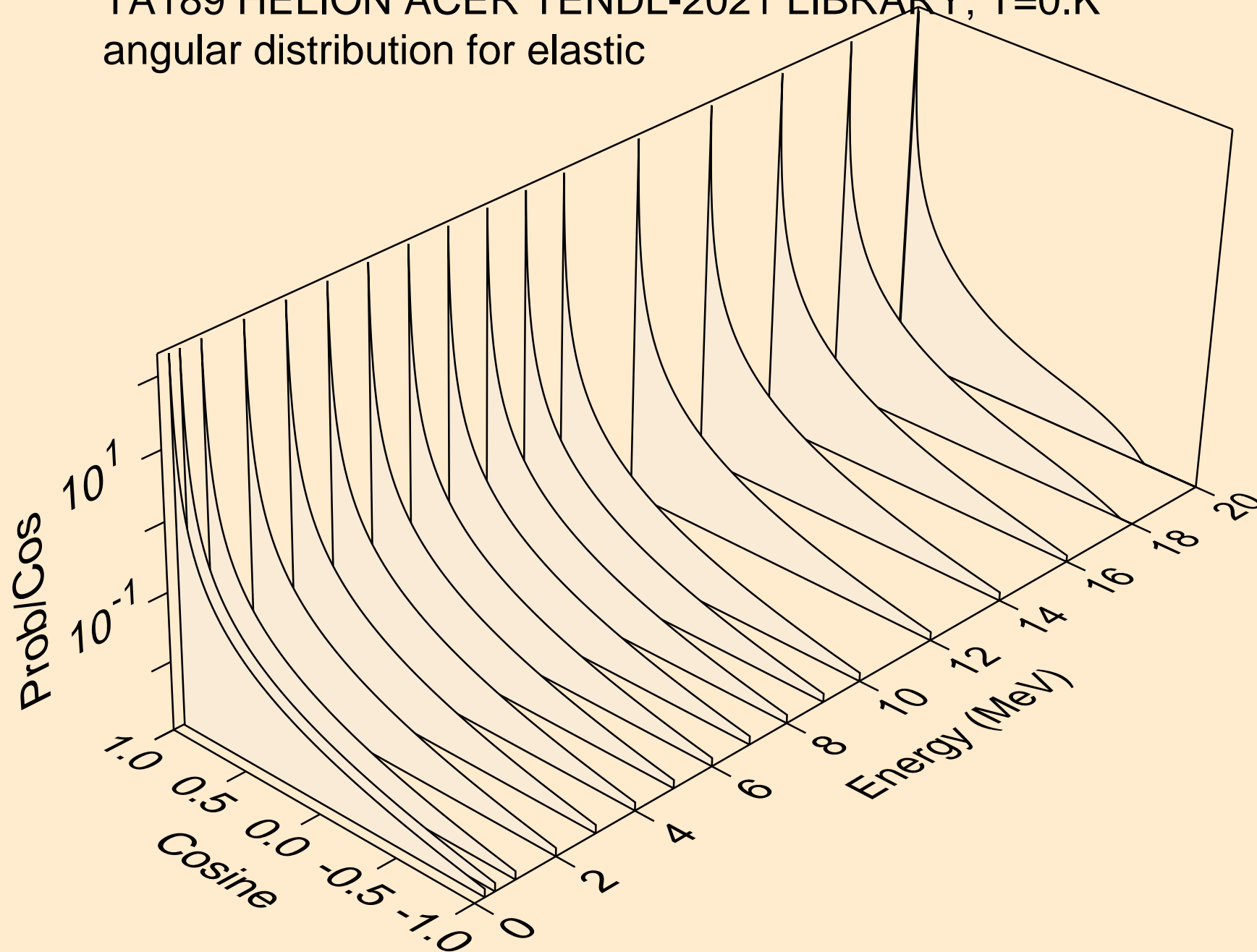


# TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K

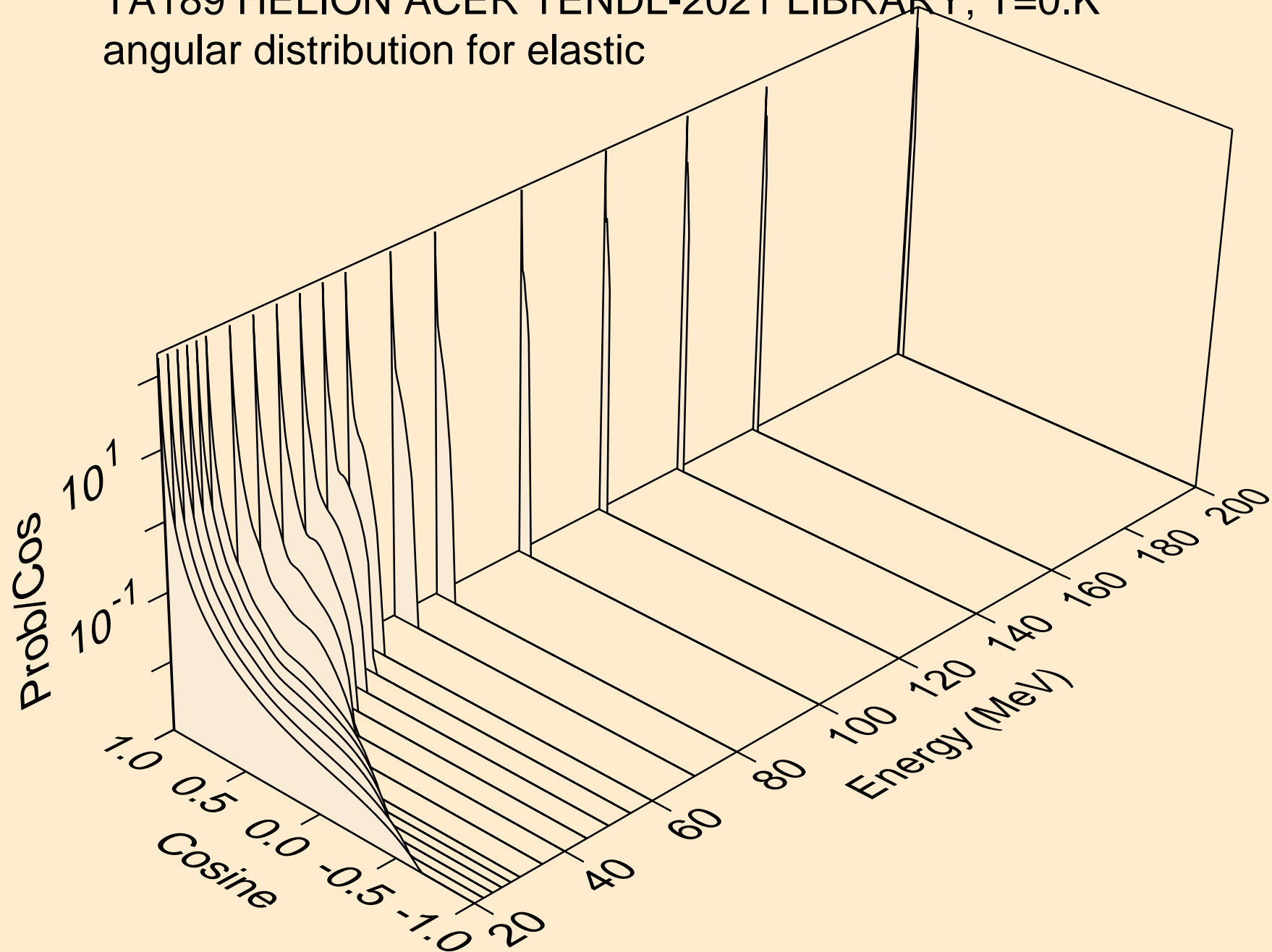
Threshold reactions



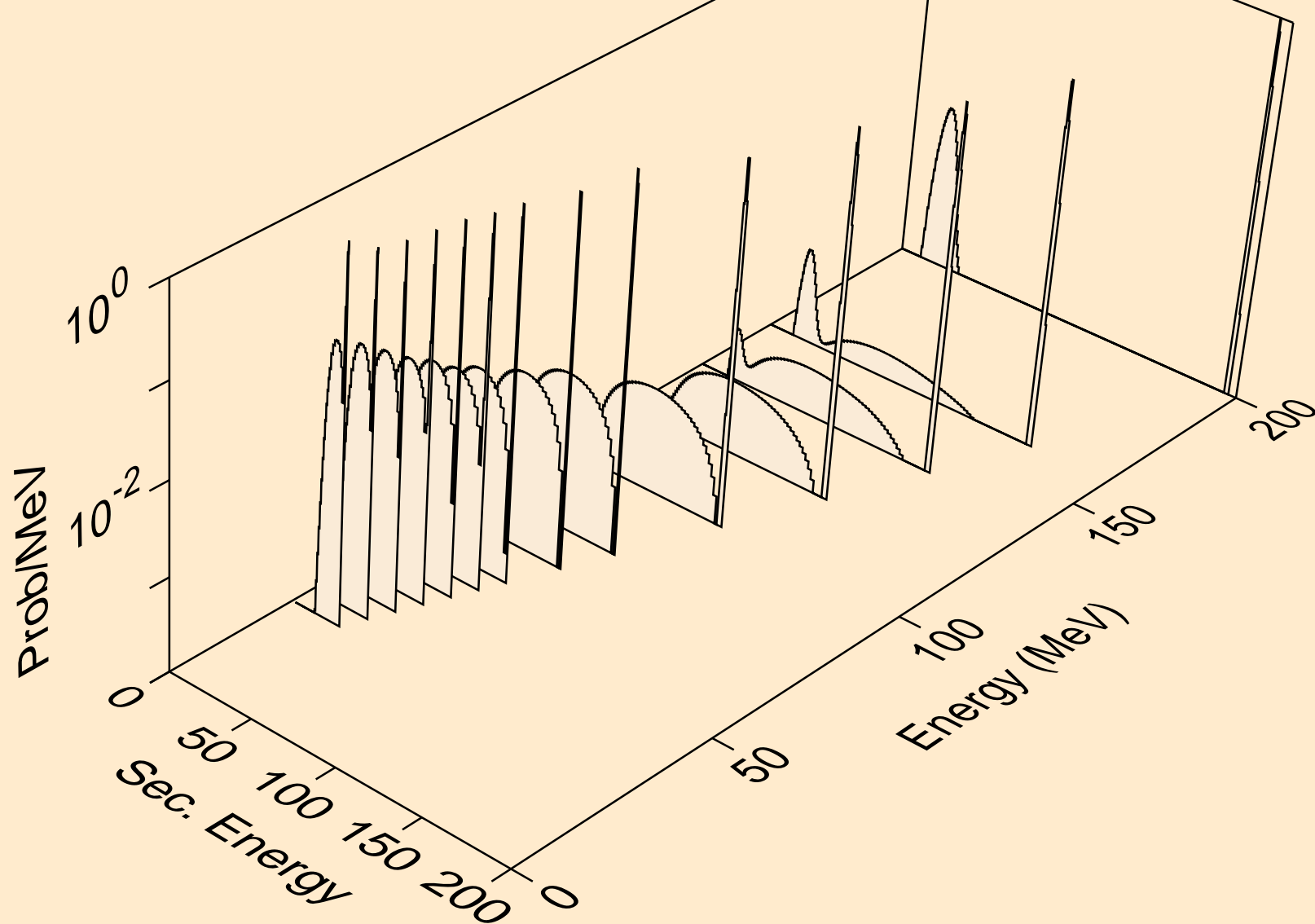
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



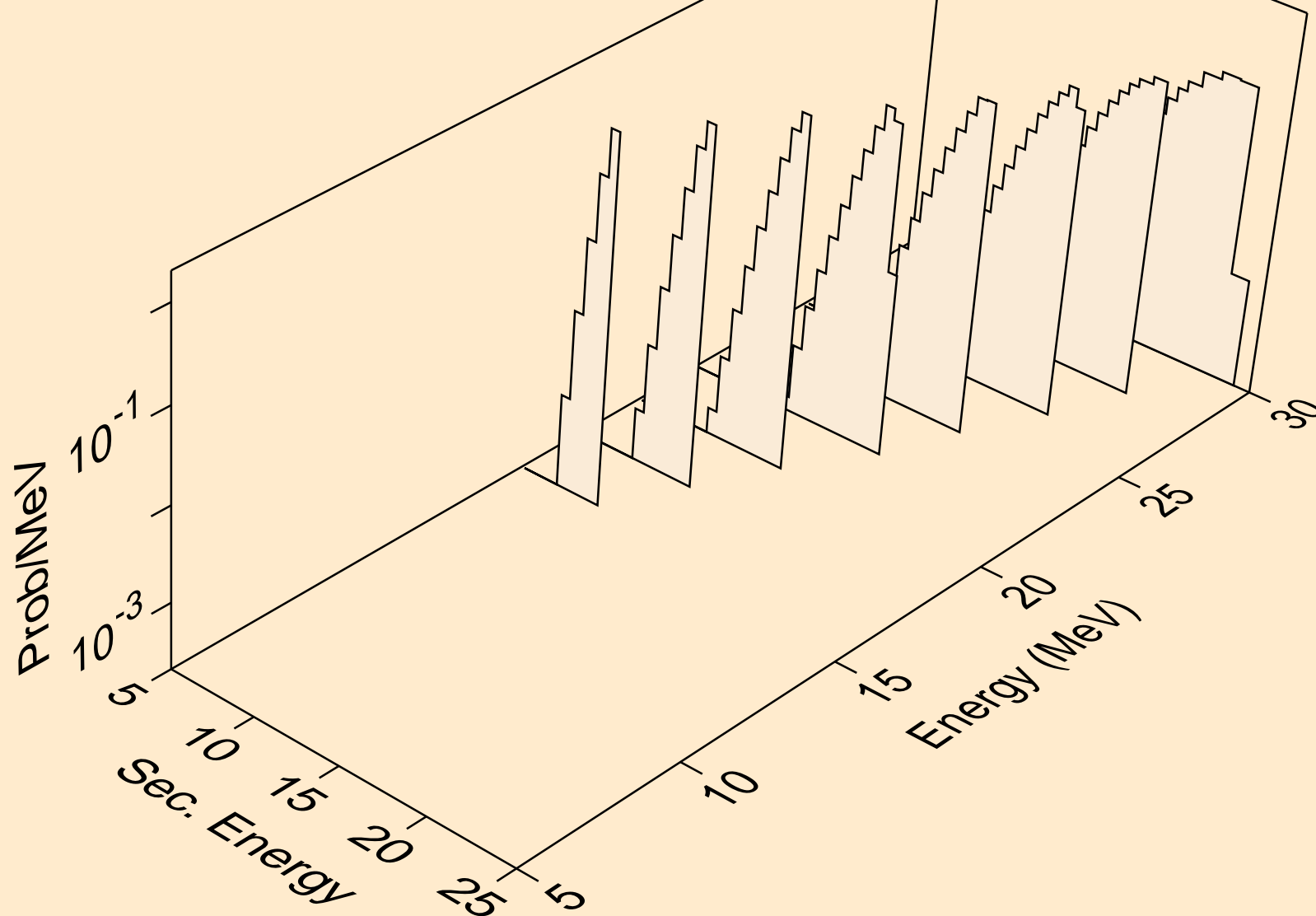
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



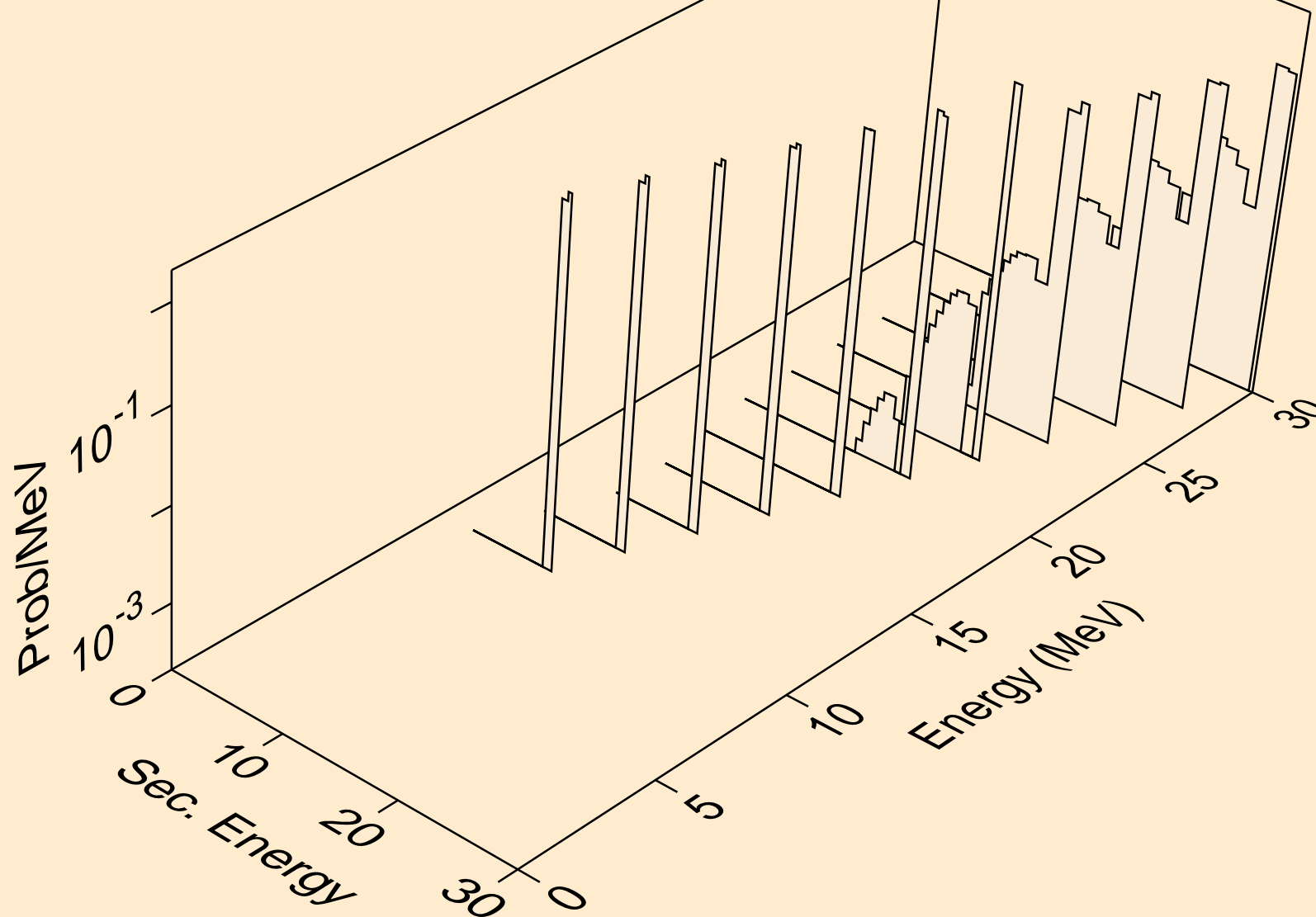
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,x)



TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

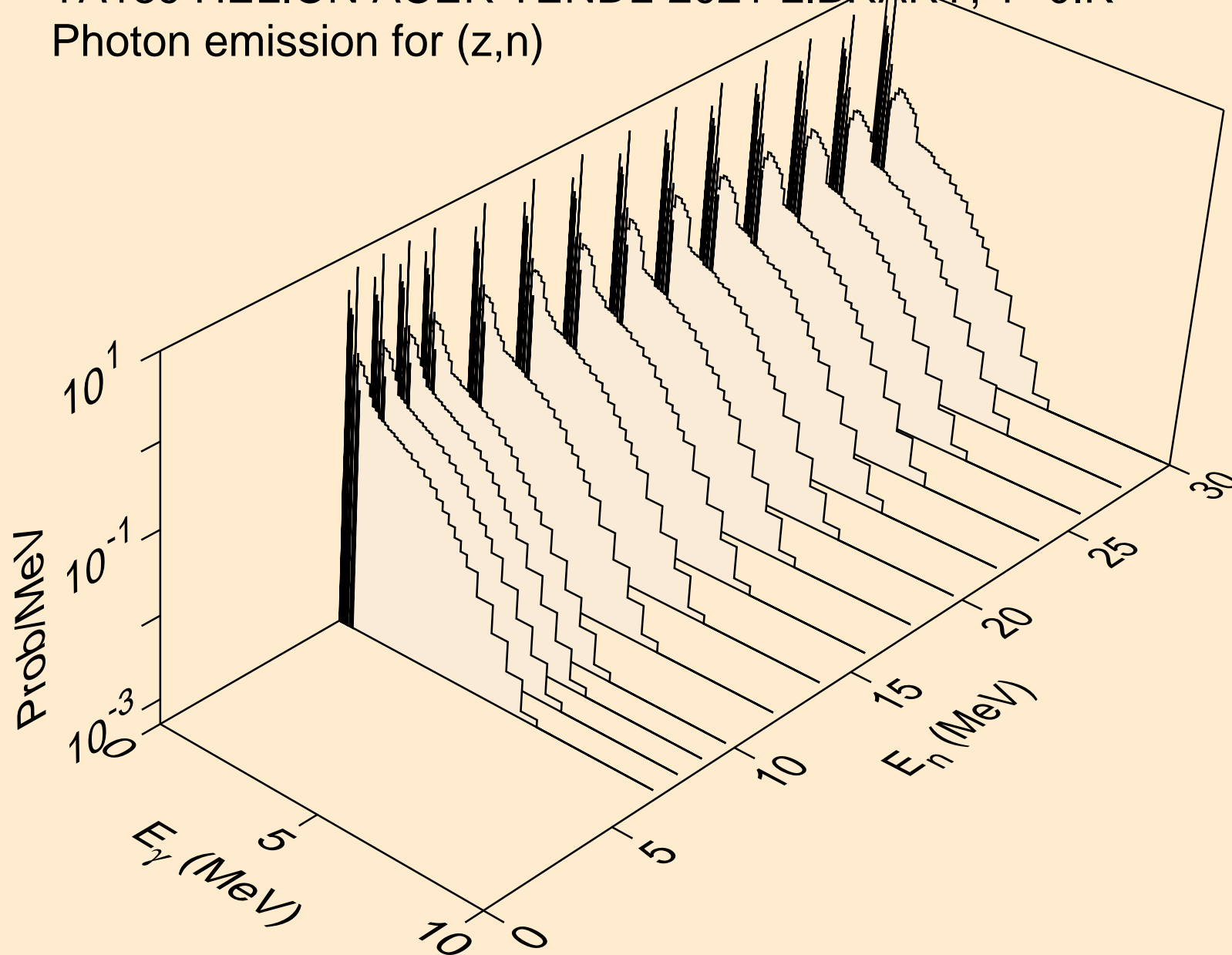


TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for inelastic

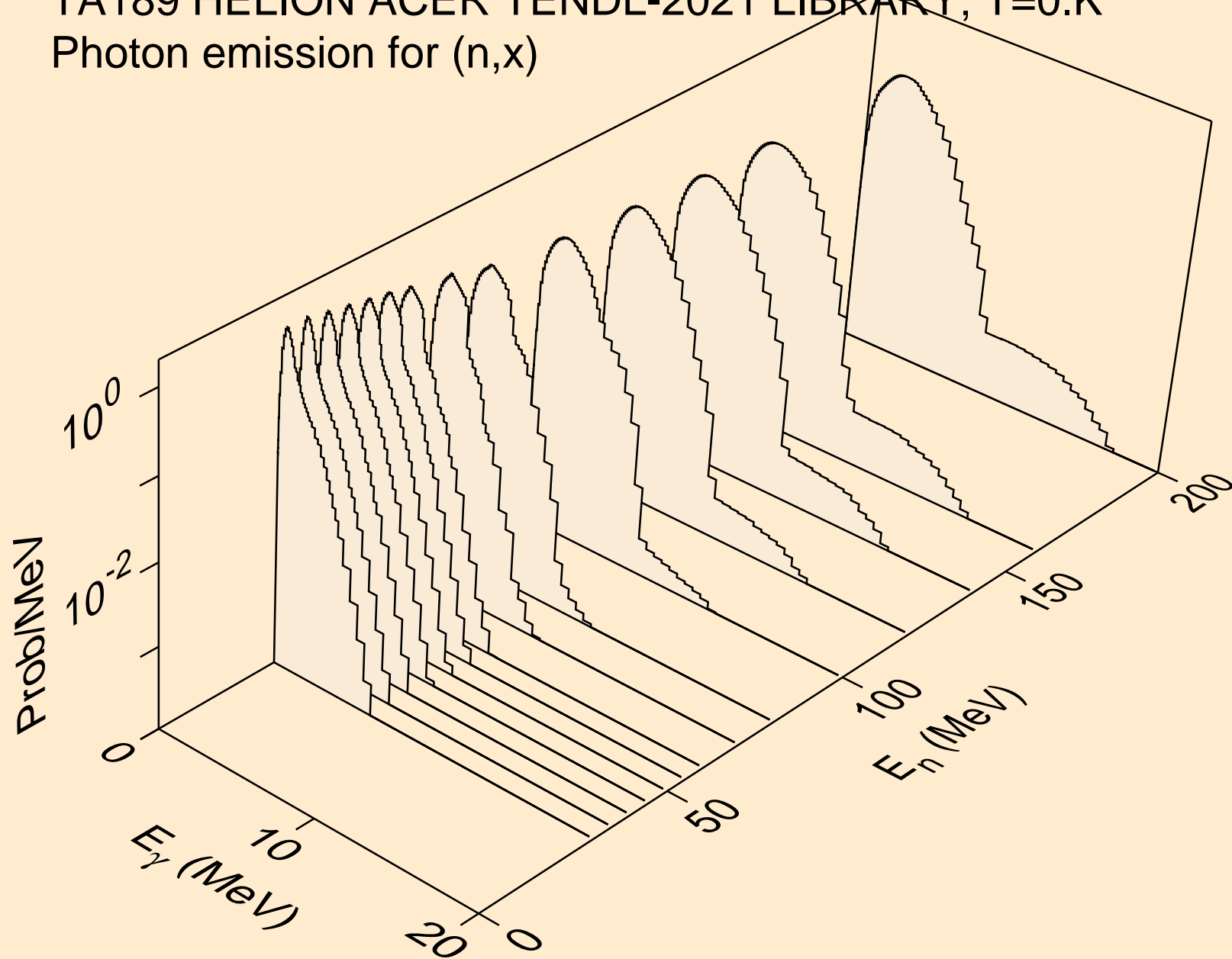




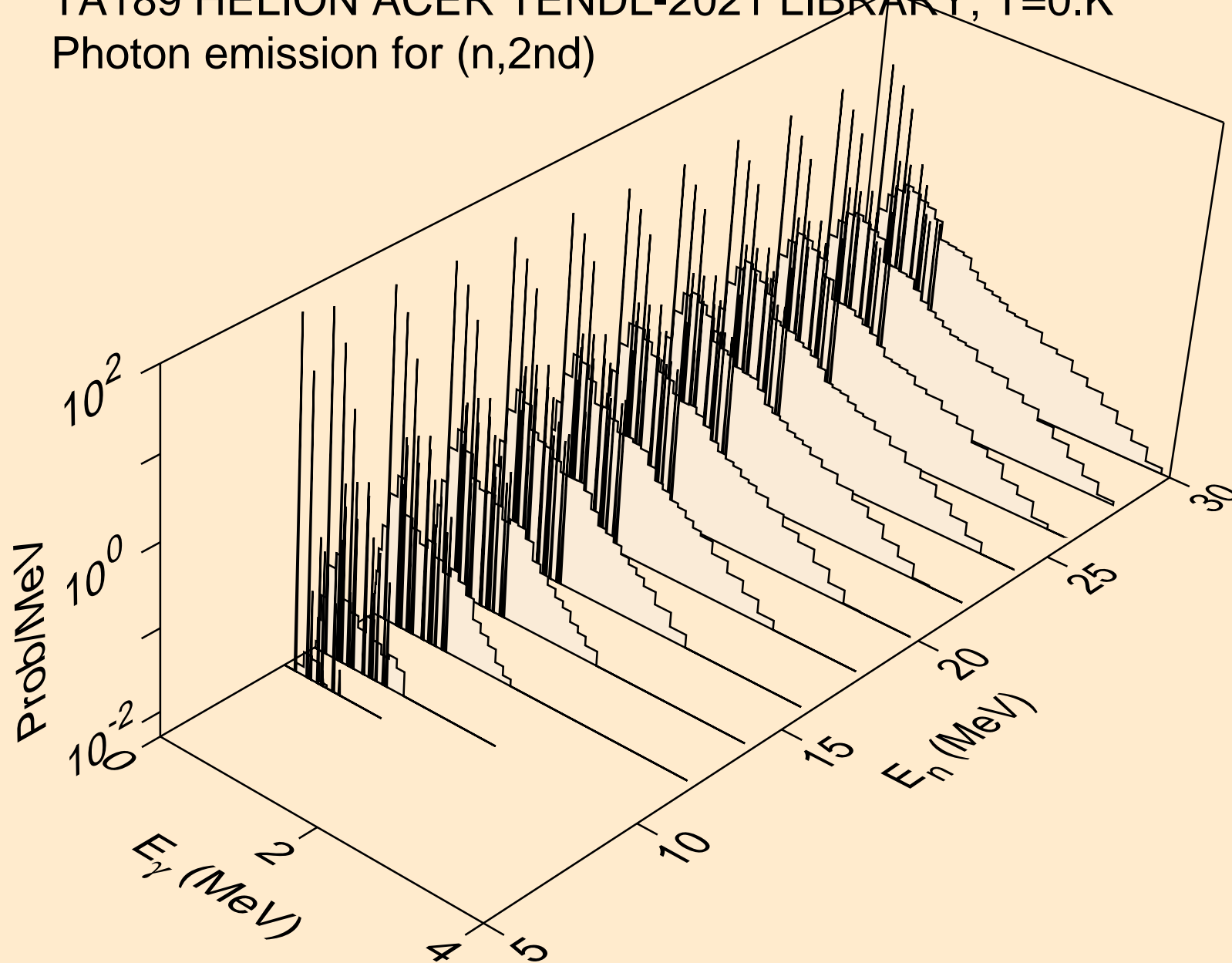
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)



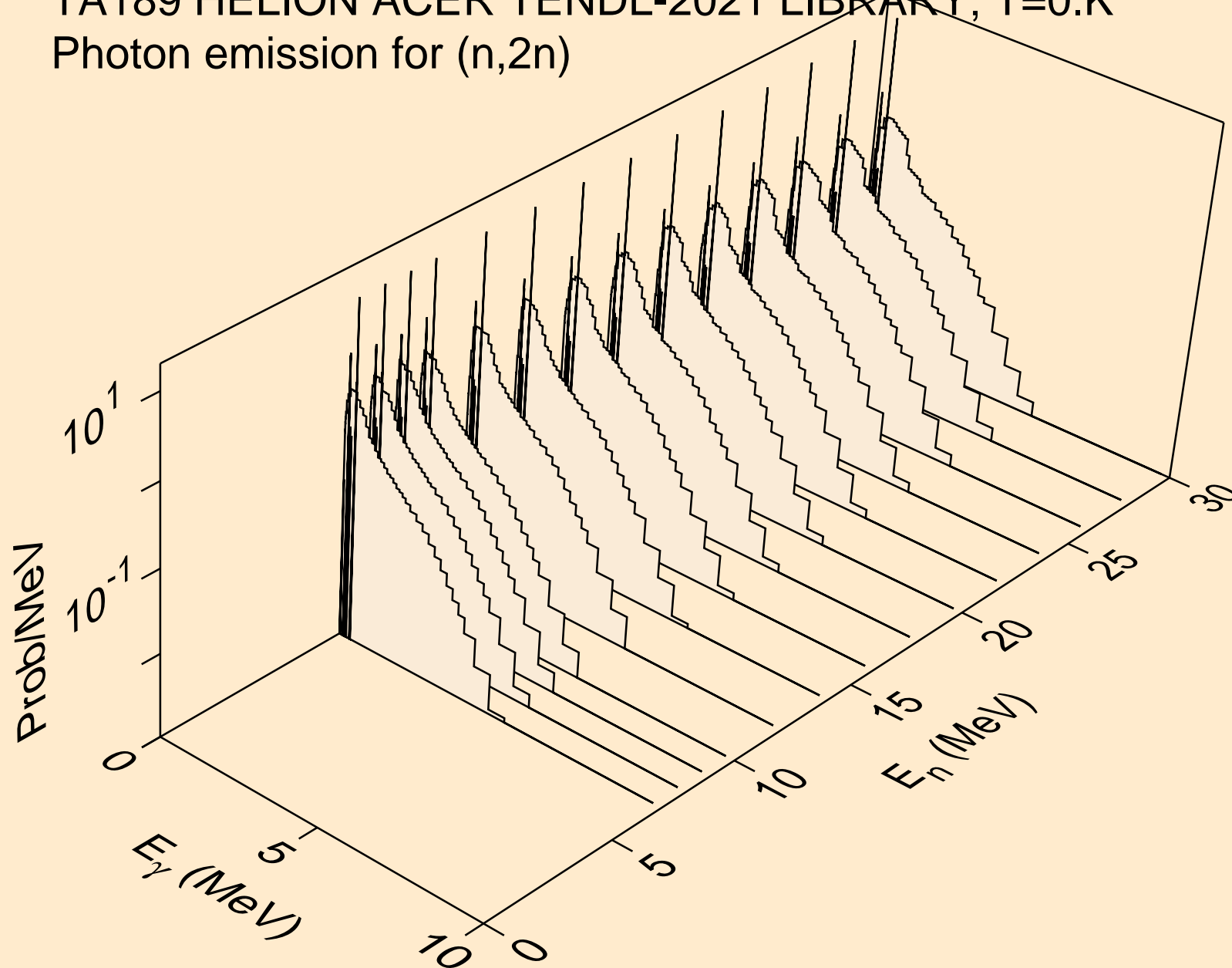
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



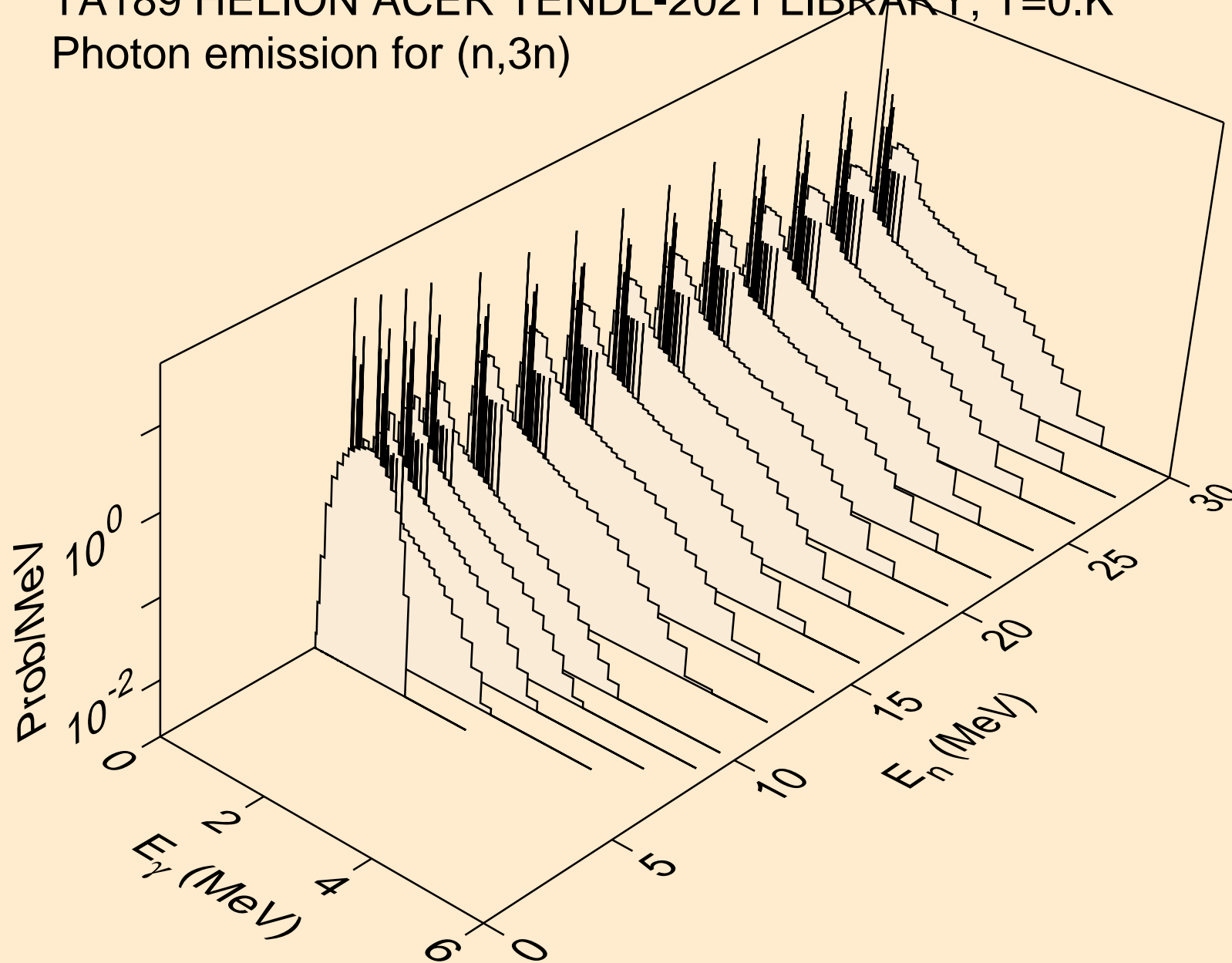
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2nd)



TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)

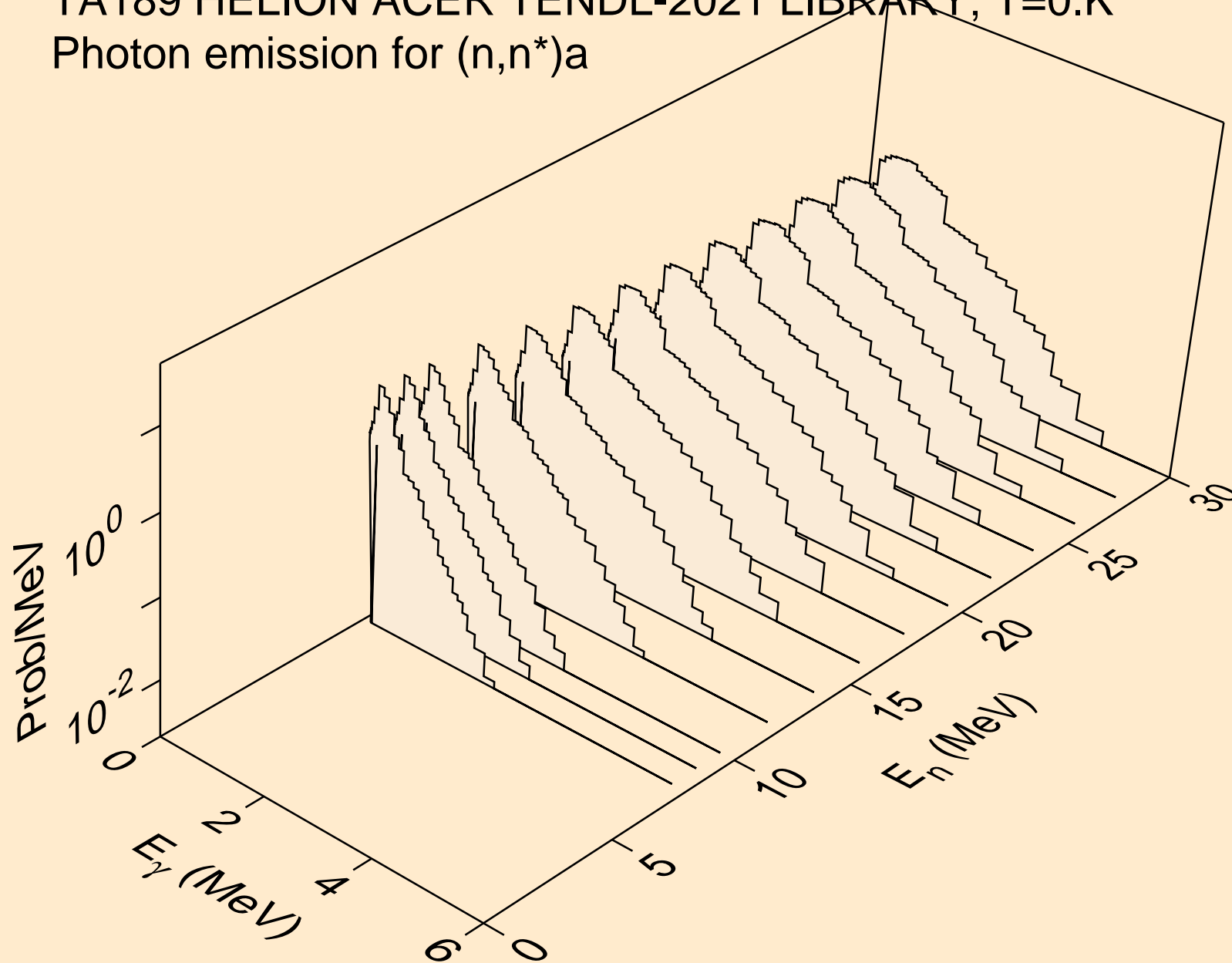


TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)

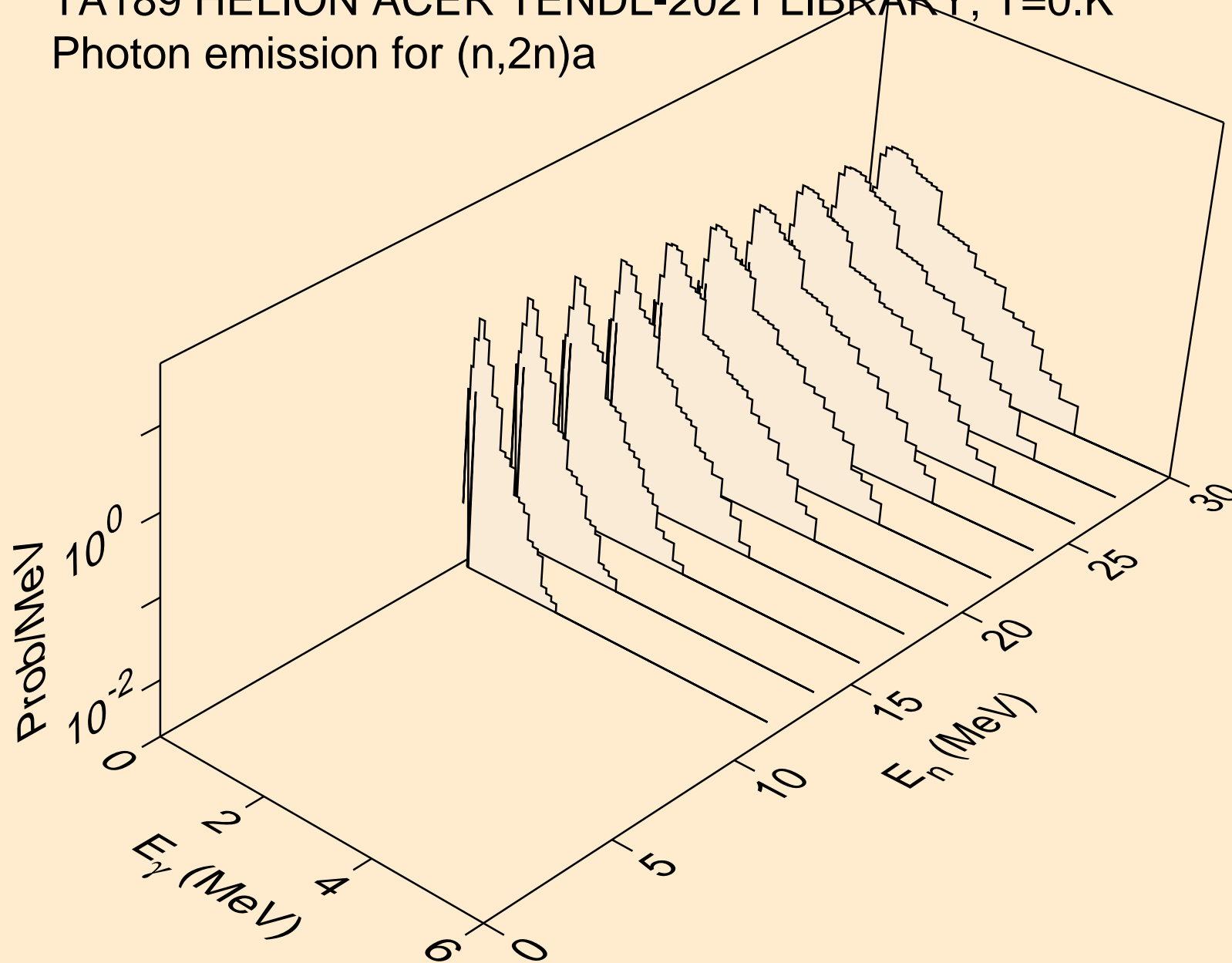


TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K

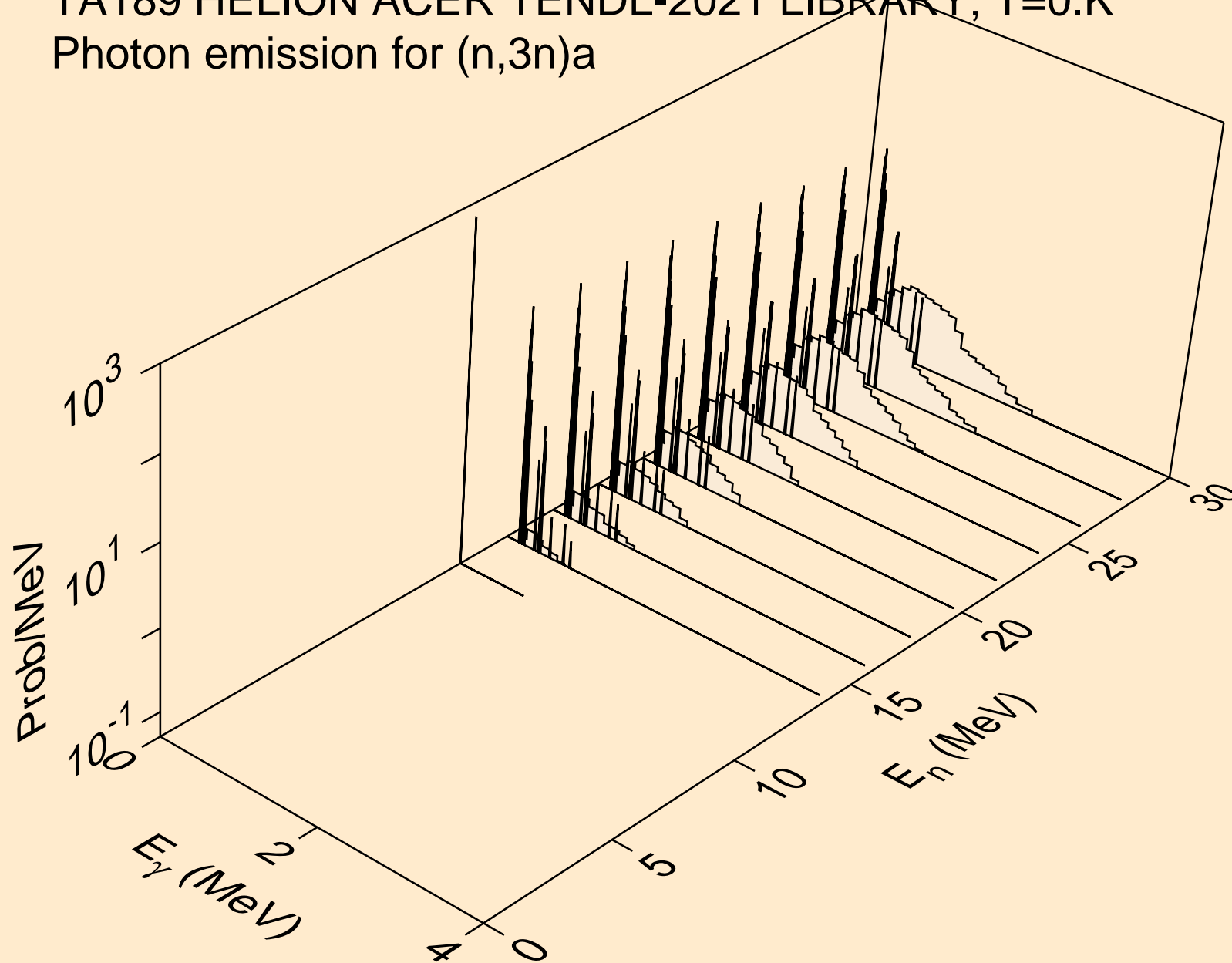
Photon emission for (n,n\*)a



TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n) $\alpha$



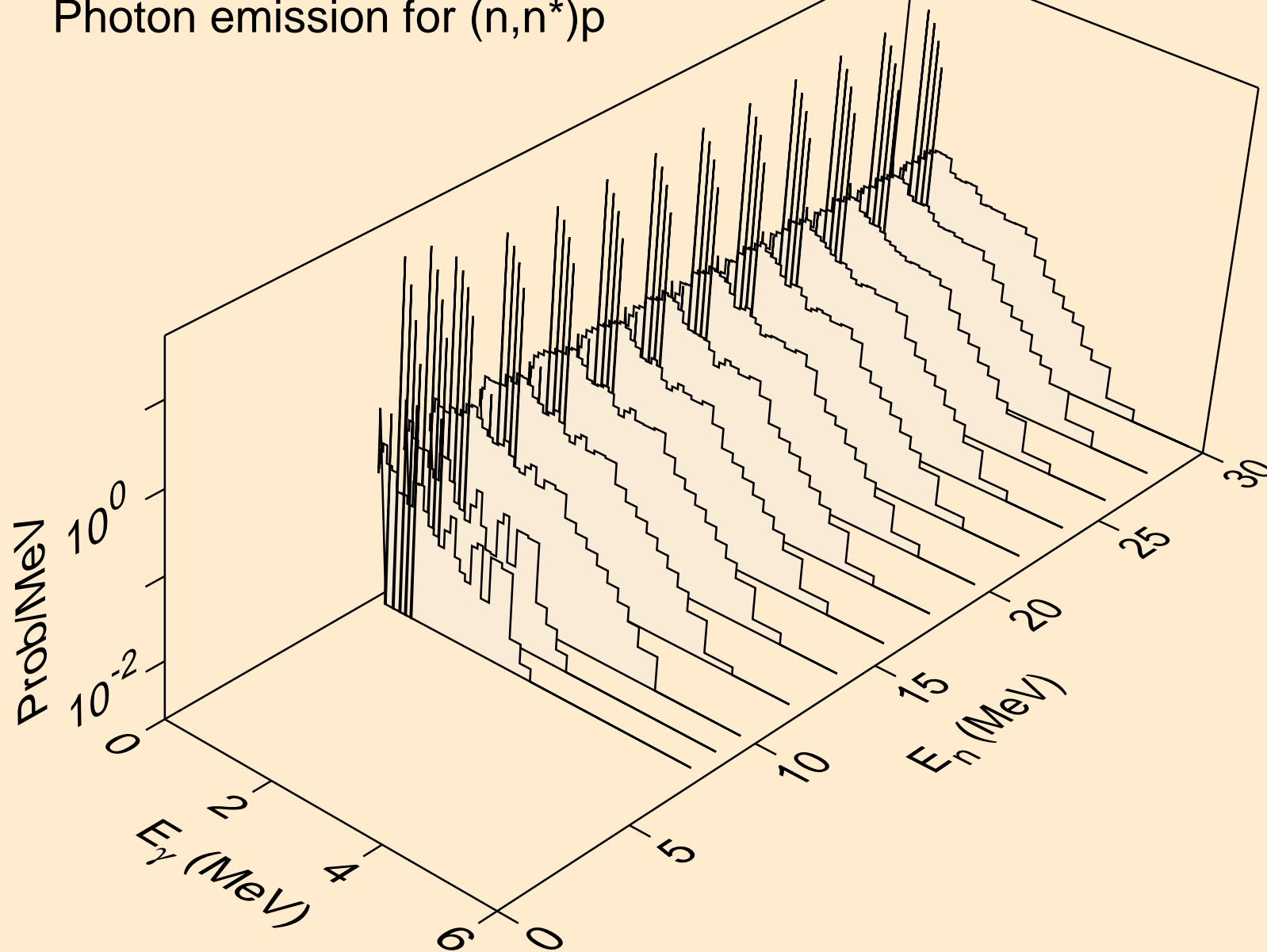
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n) $\alpha$



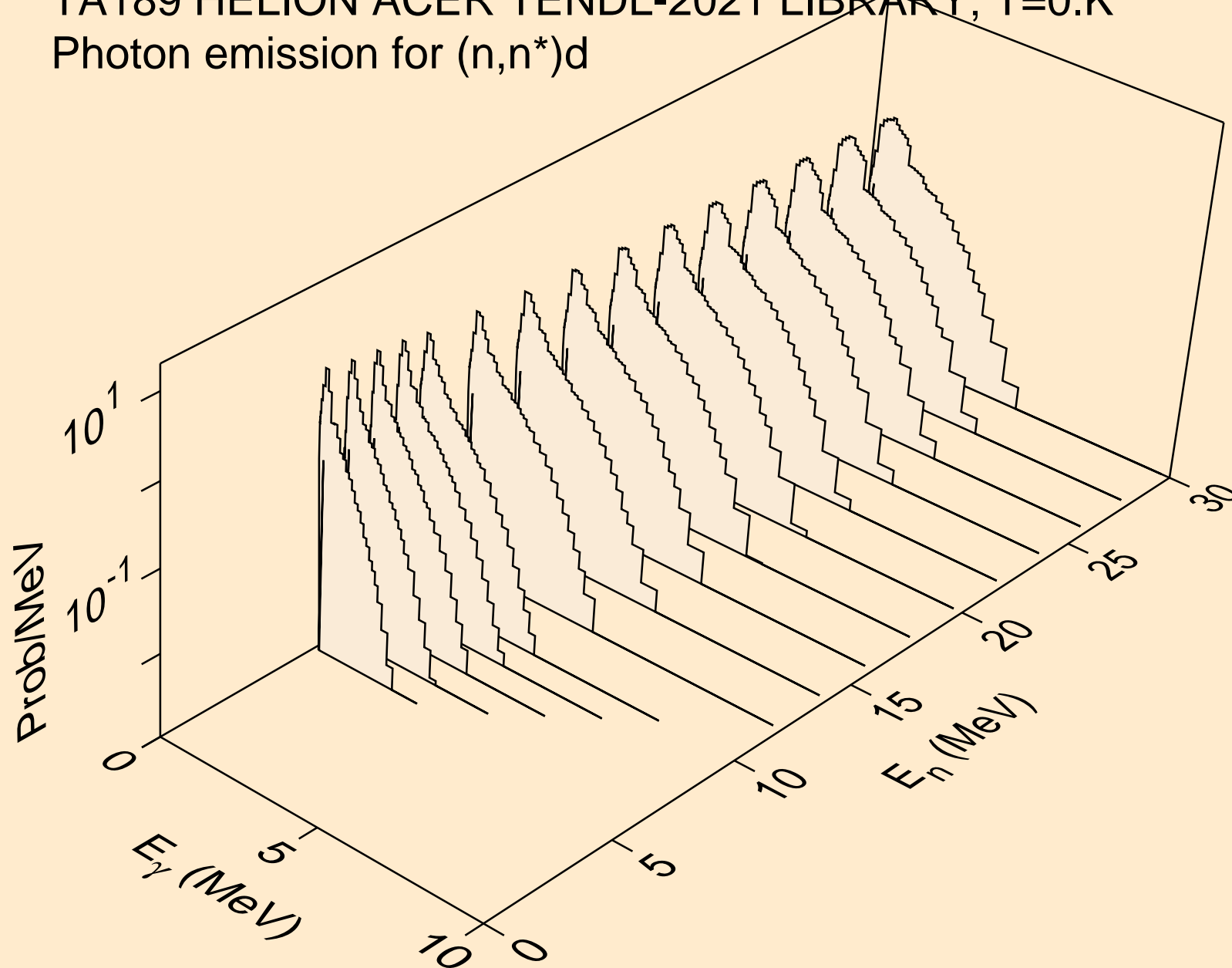


TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K

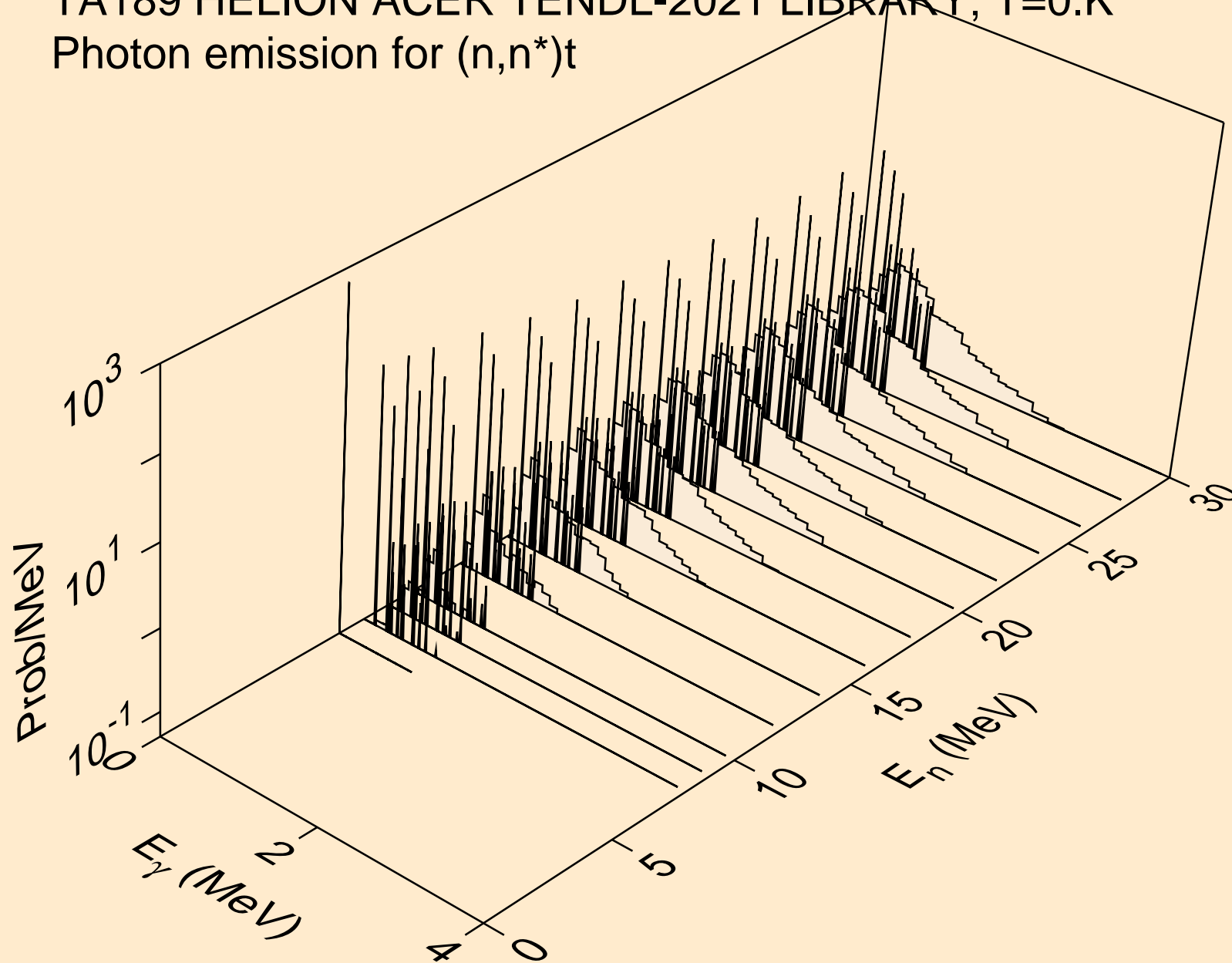
Photon emission for (n,n\*)p



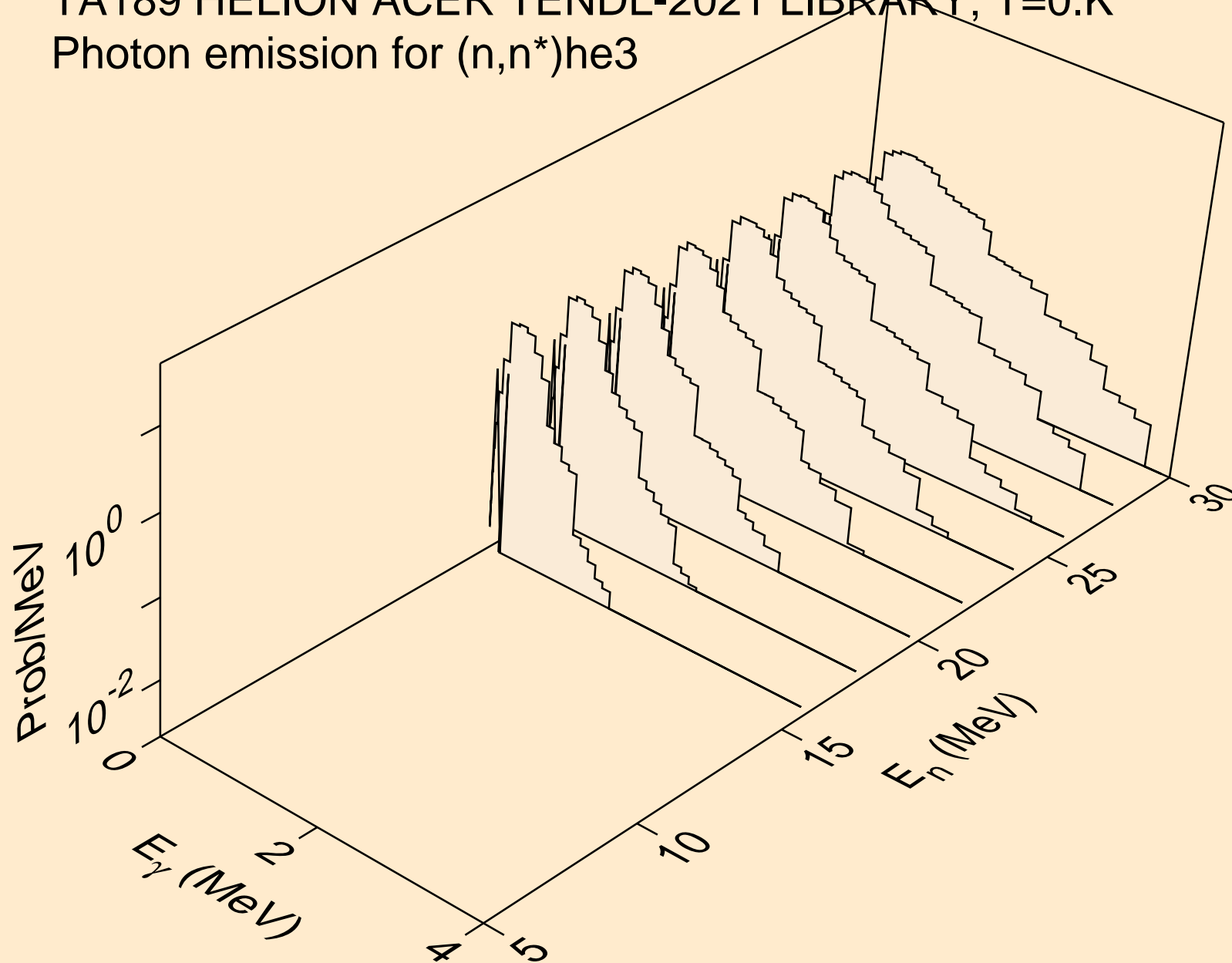
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



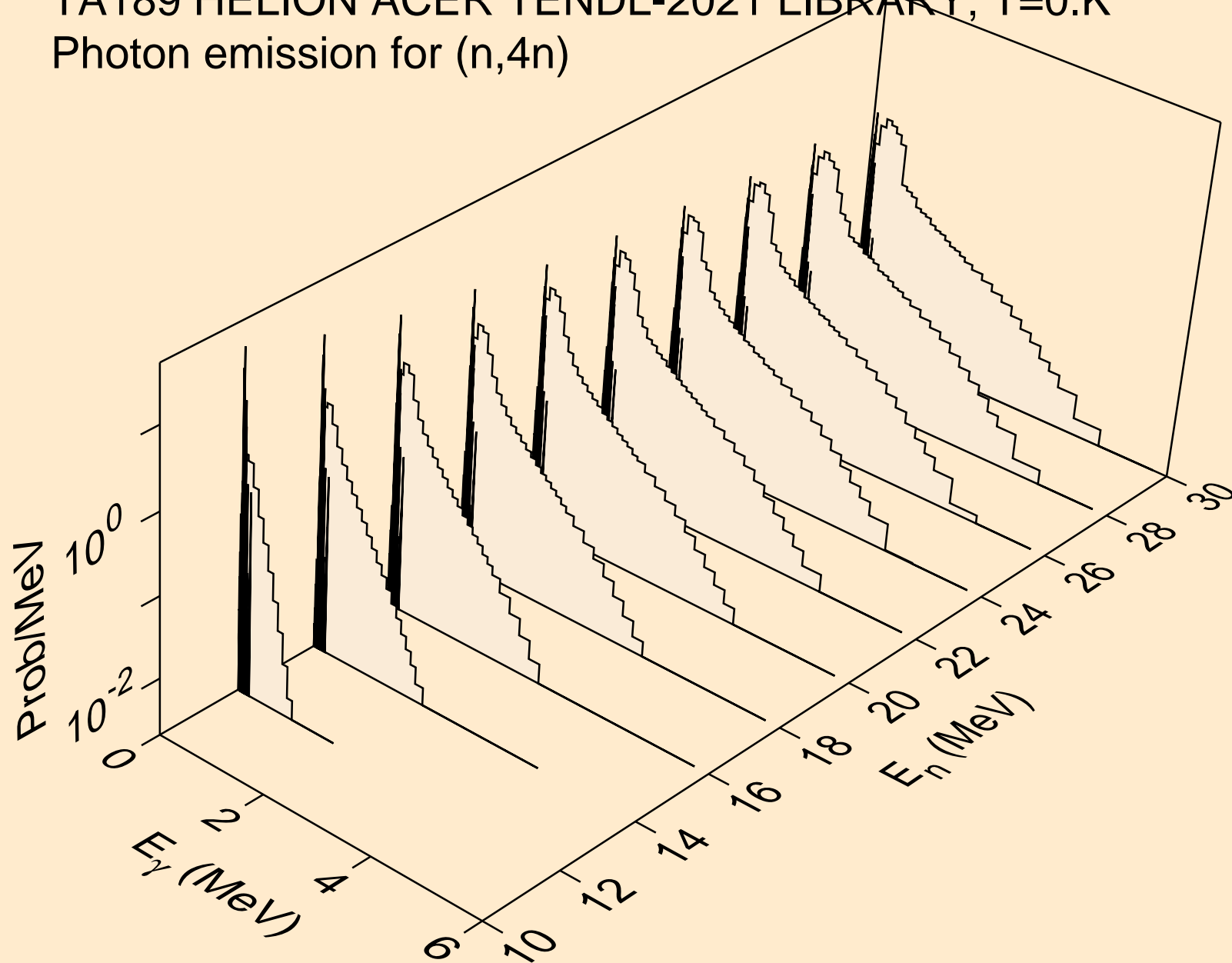
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



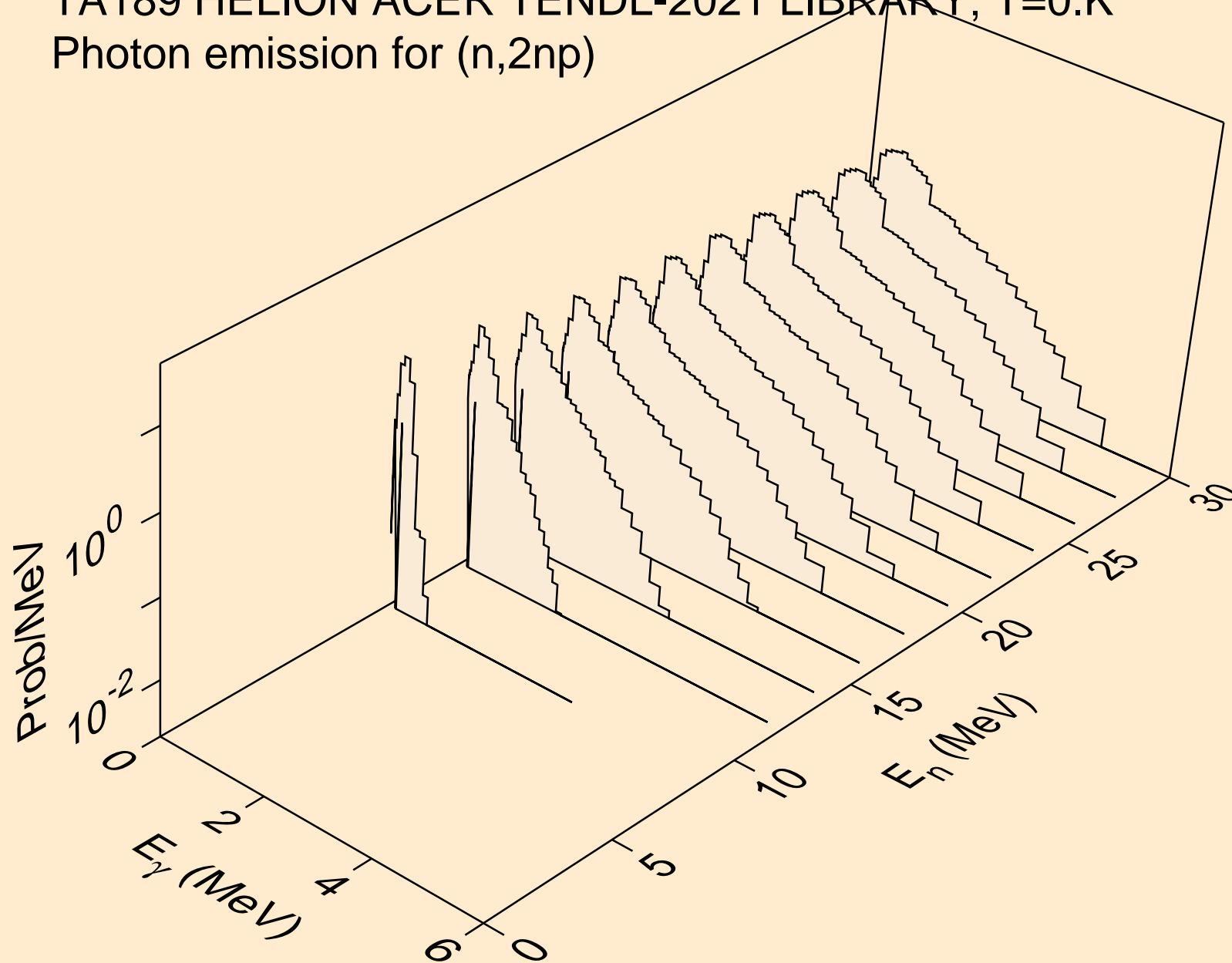
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



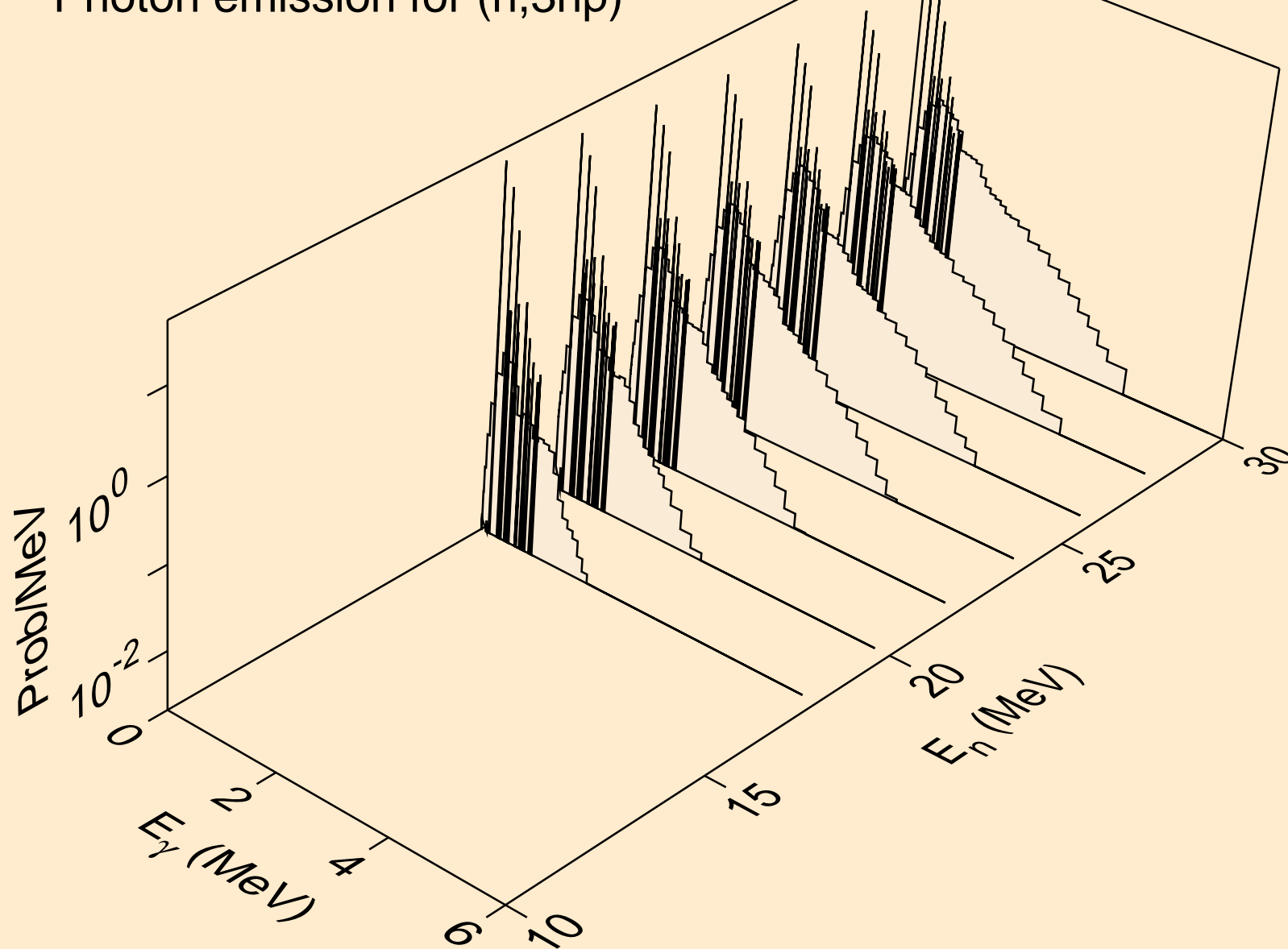
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,4n)



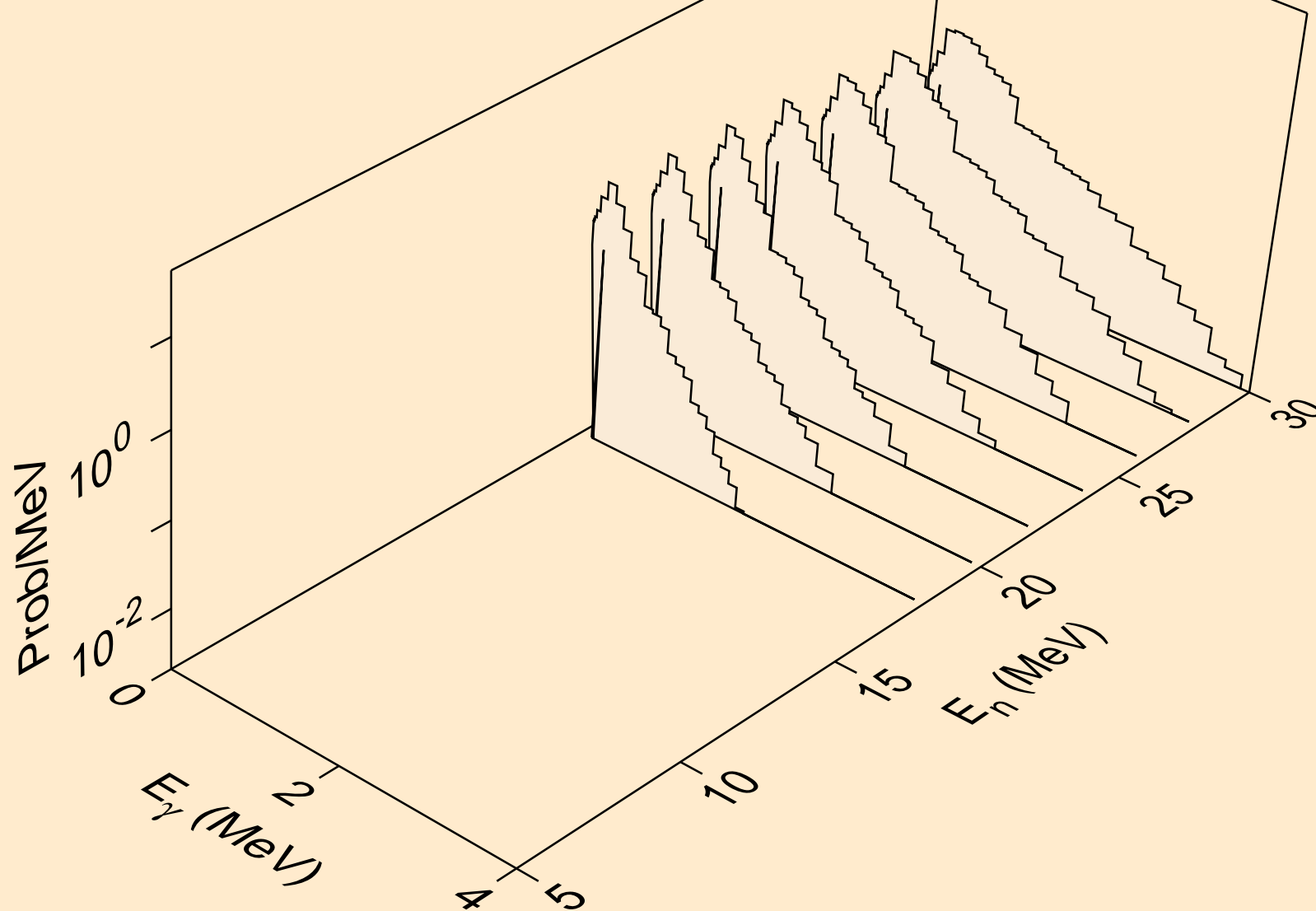
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3np)

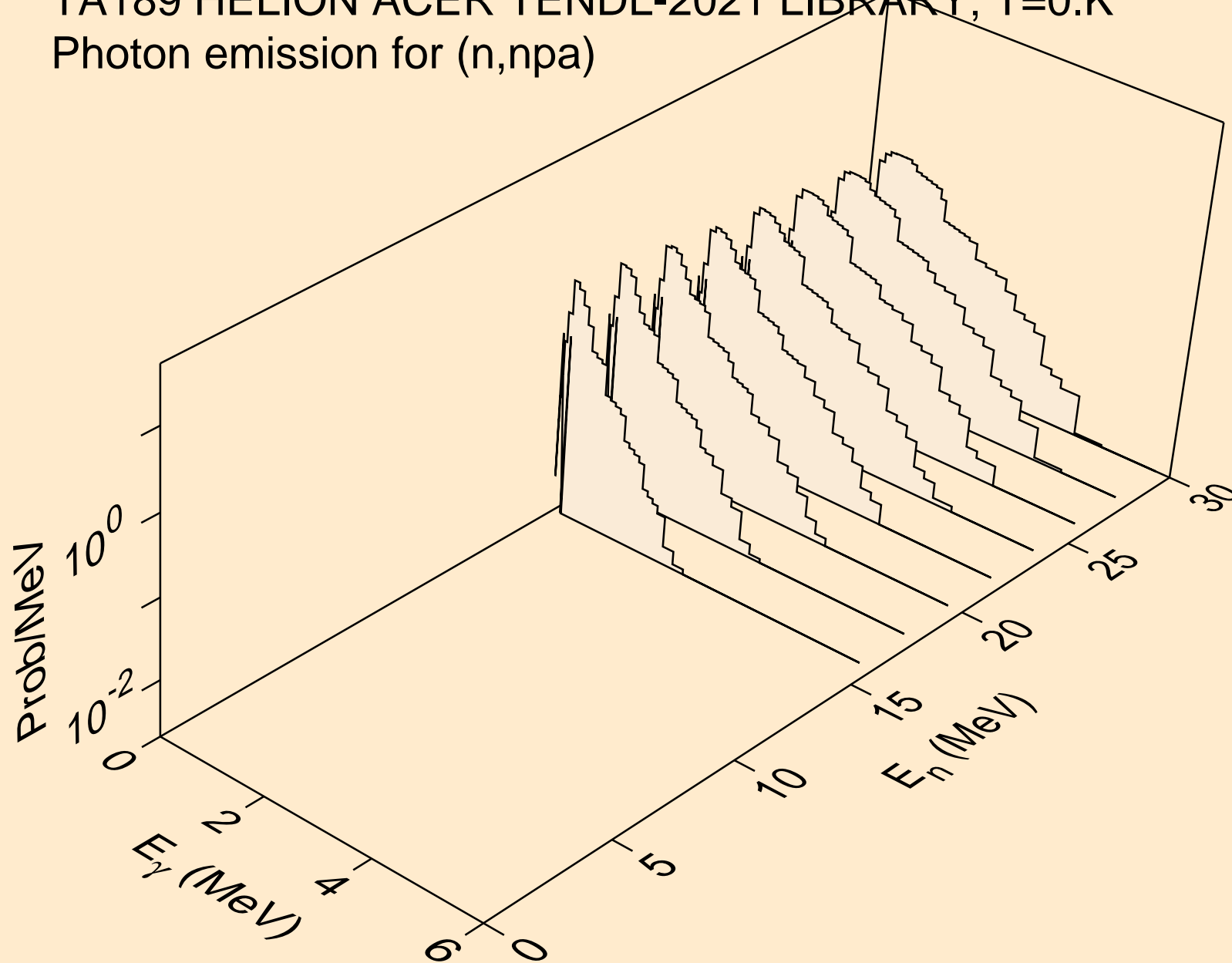


TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)

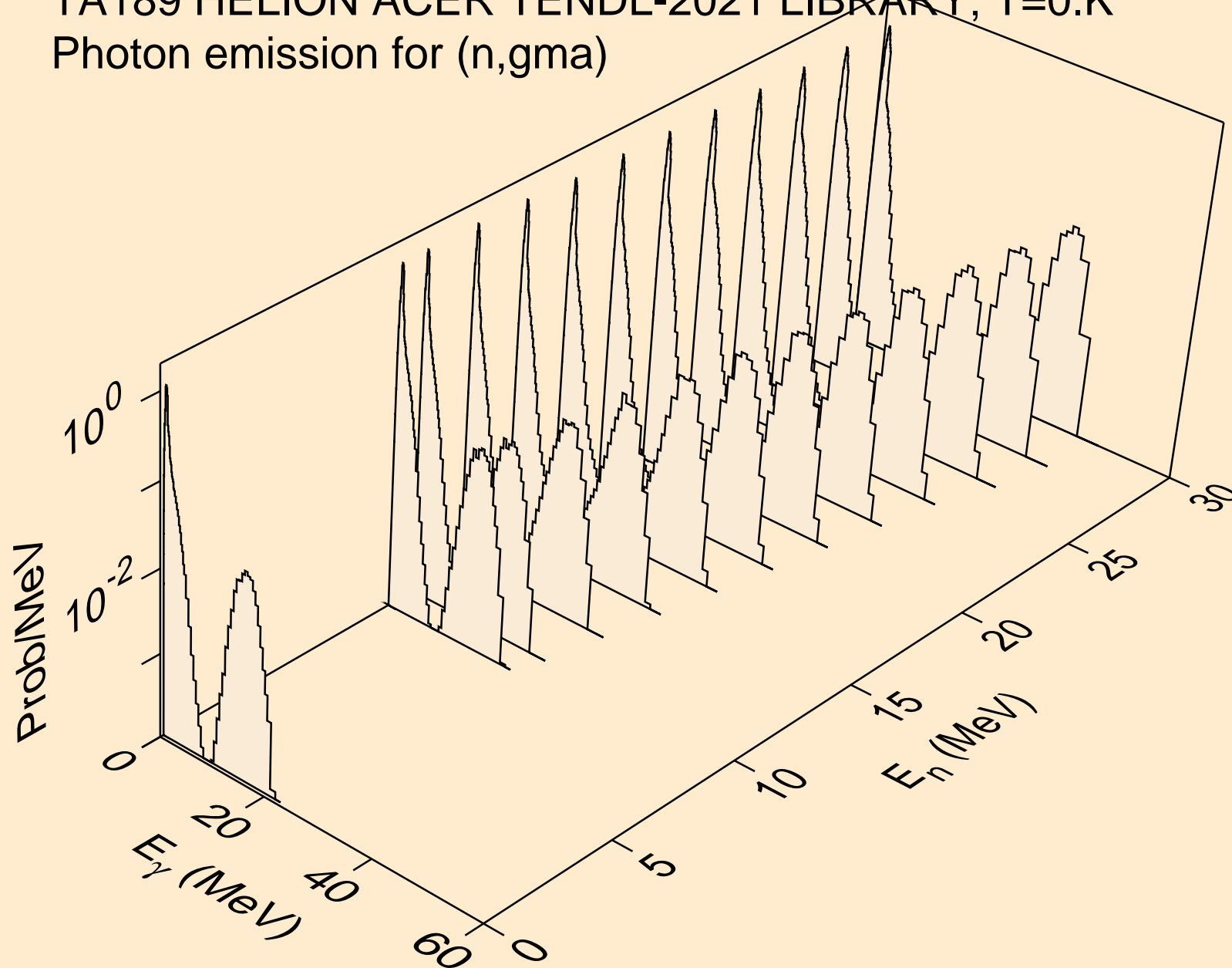




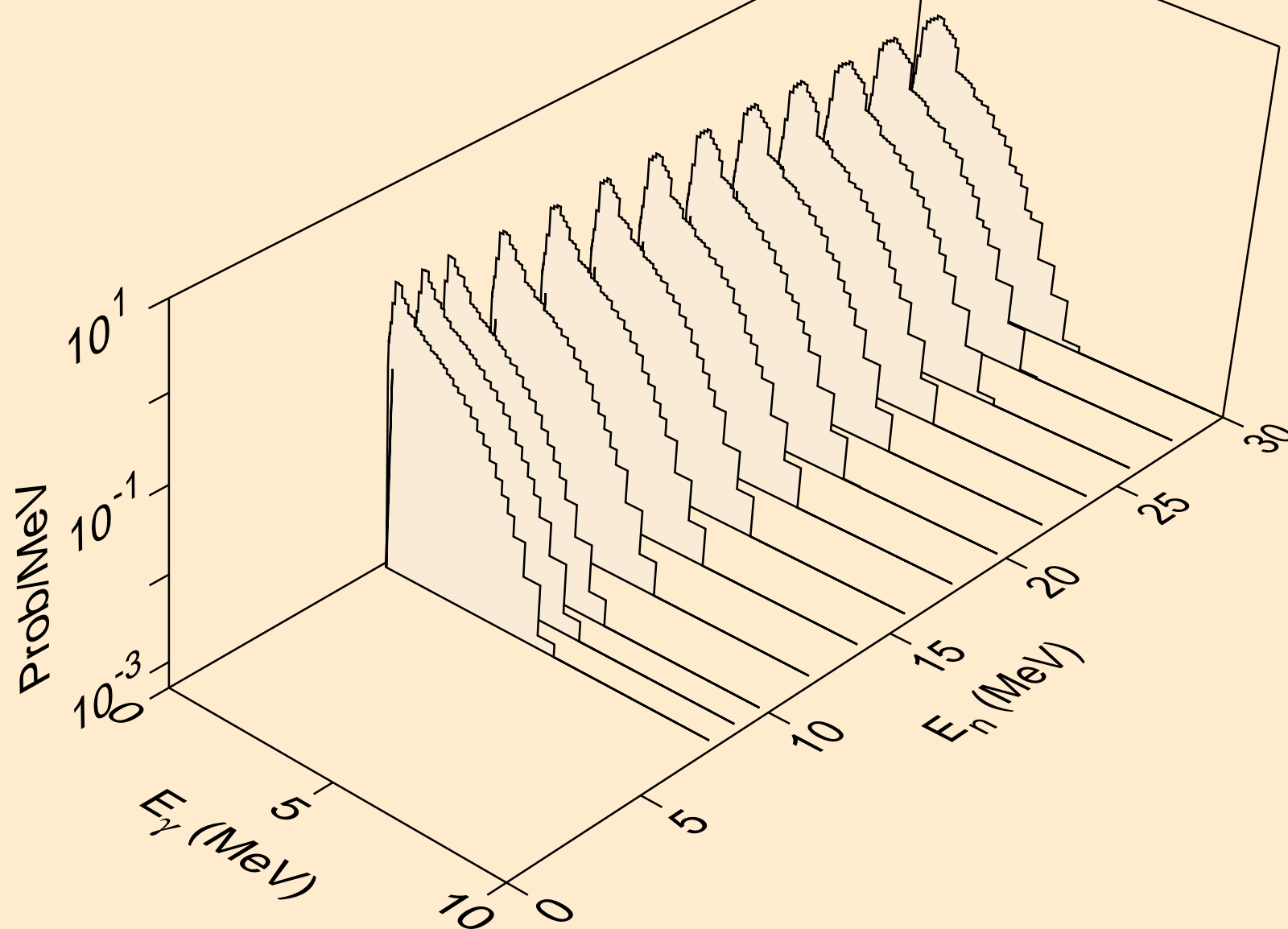
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,npa)



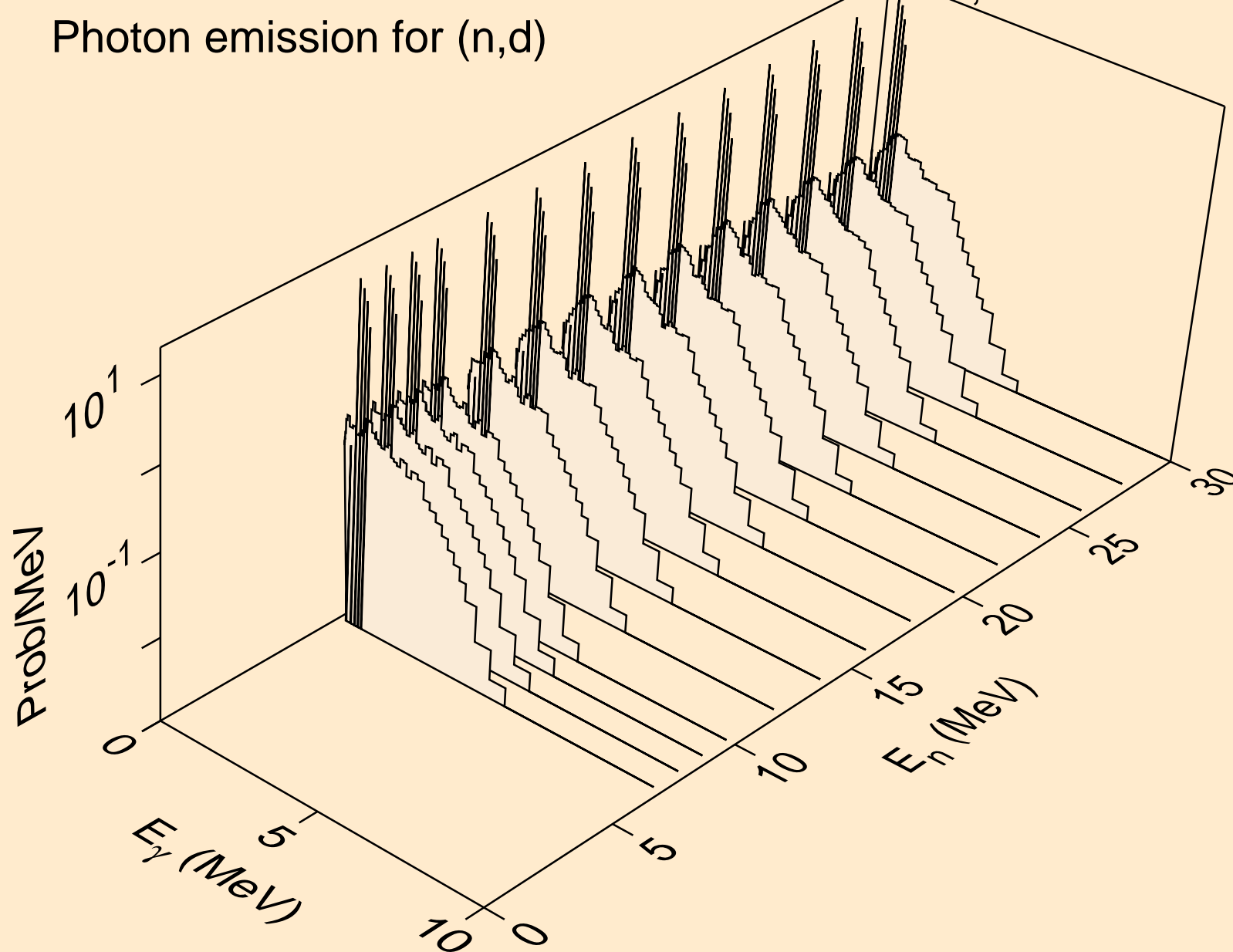
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,gma)



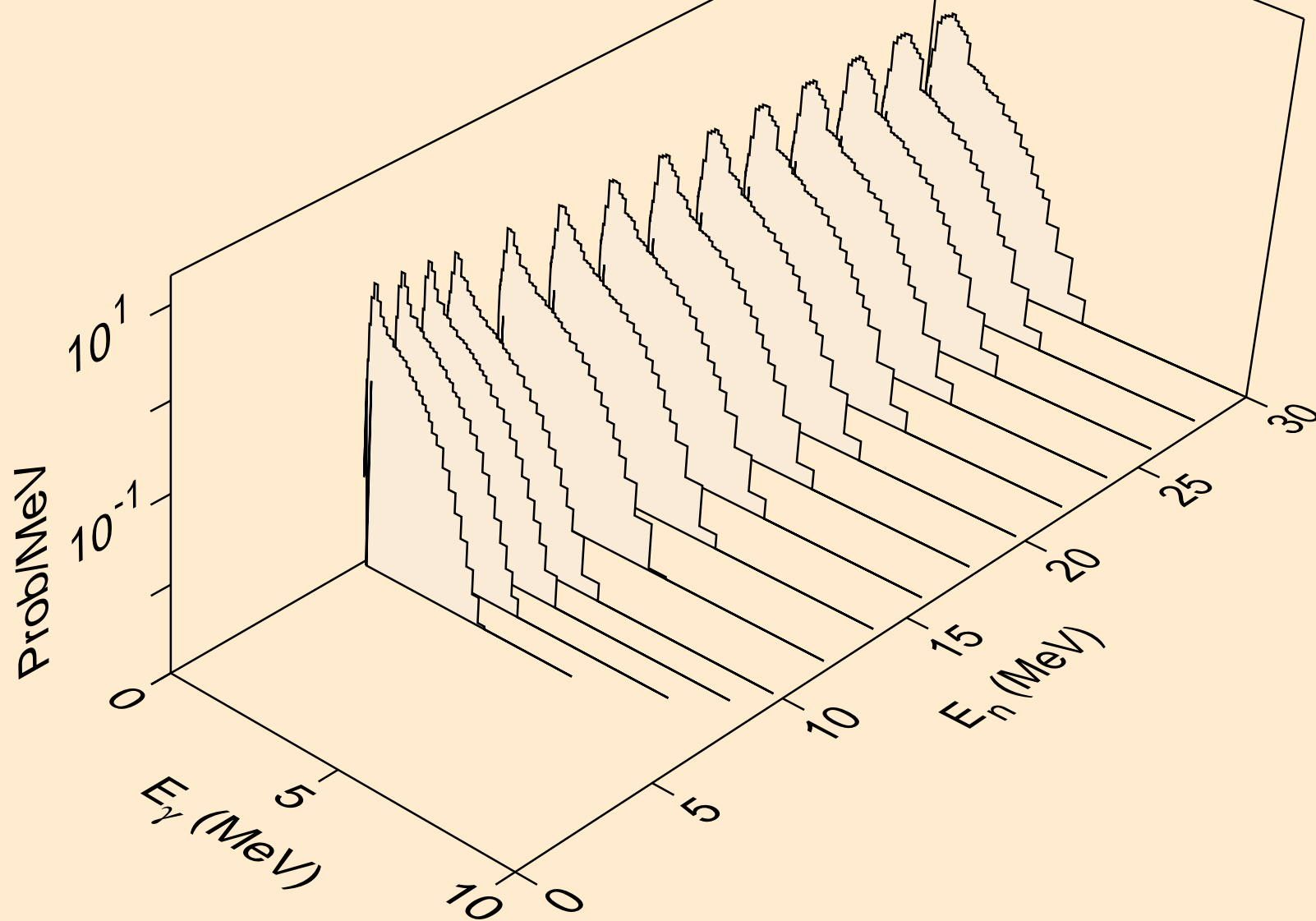
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,p)



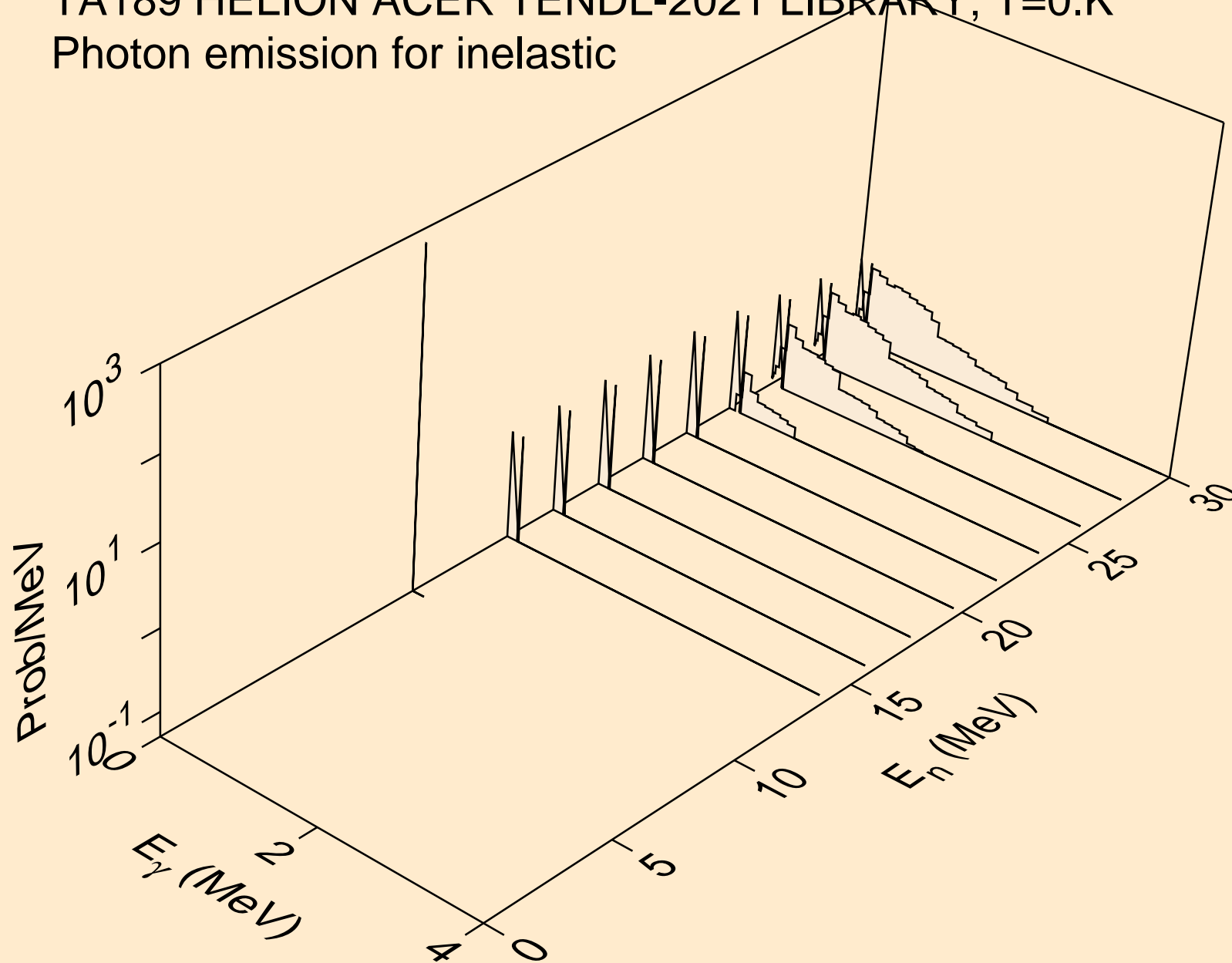
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,d)



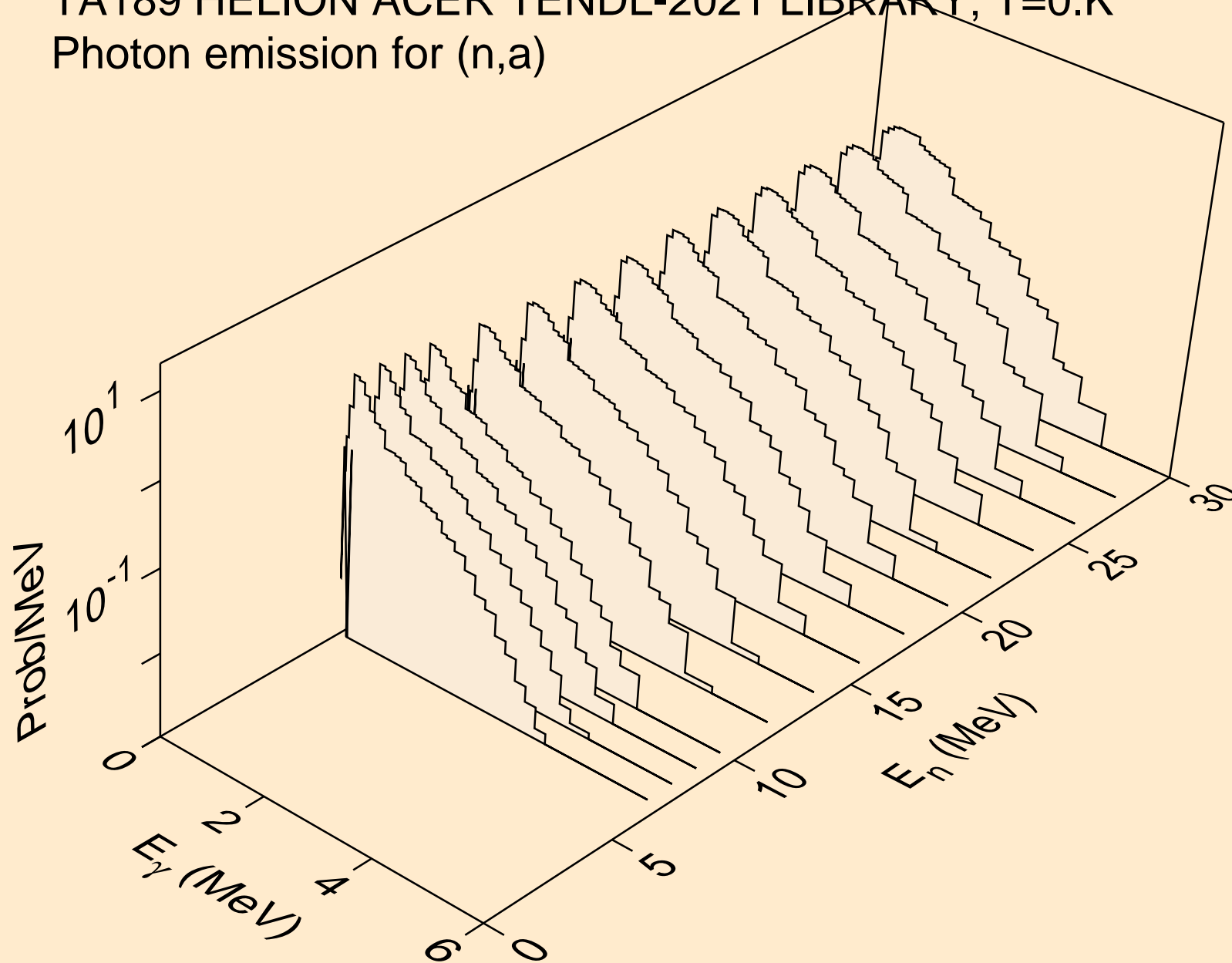
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,t)



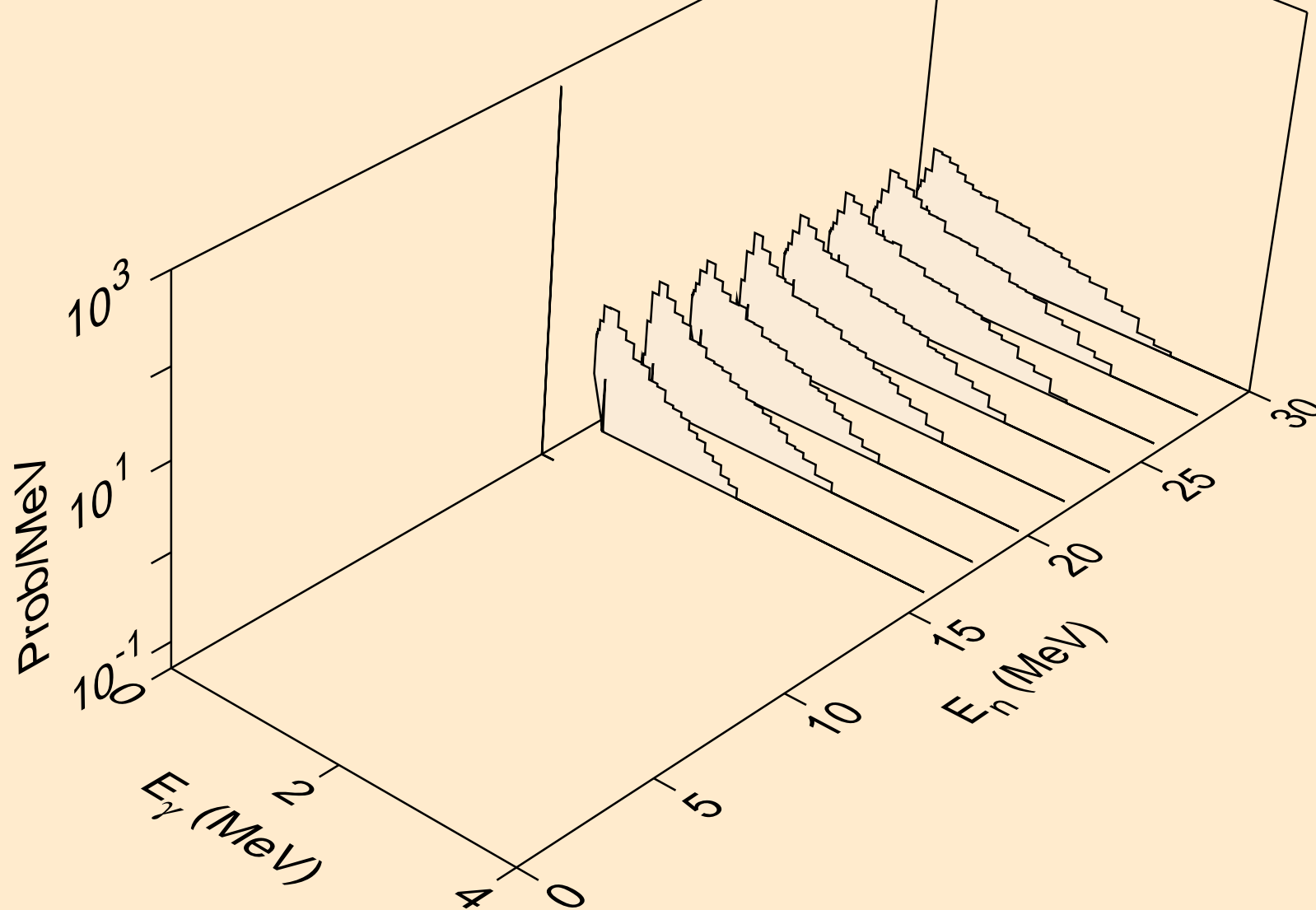
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic



TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,a)

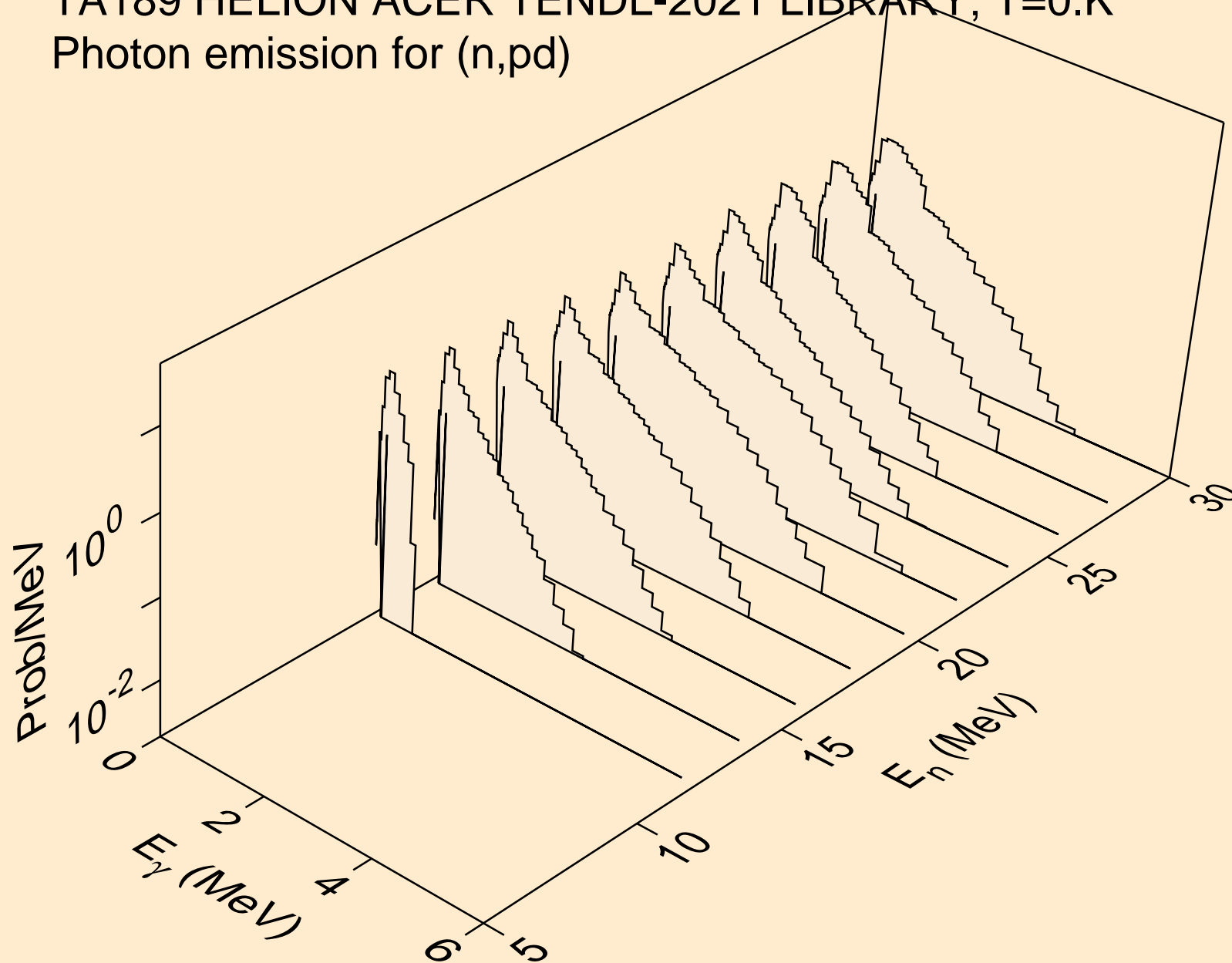


TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)

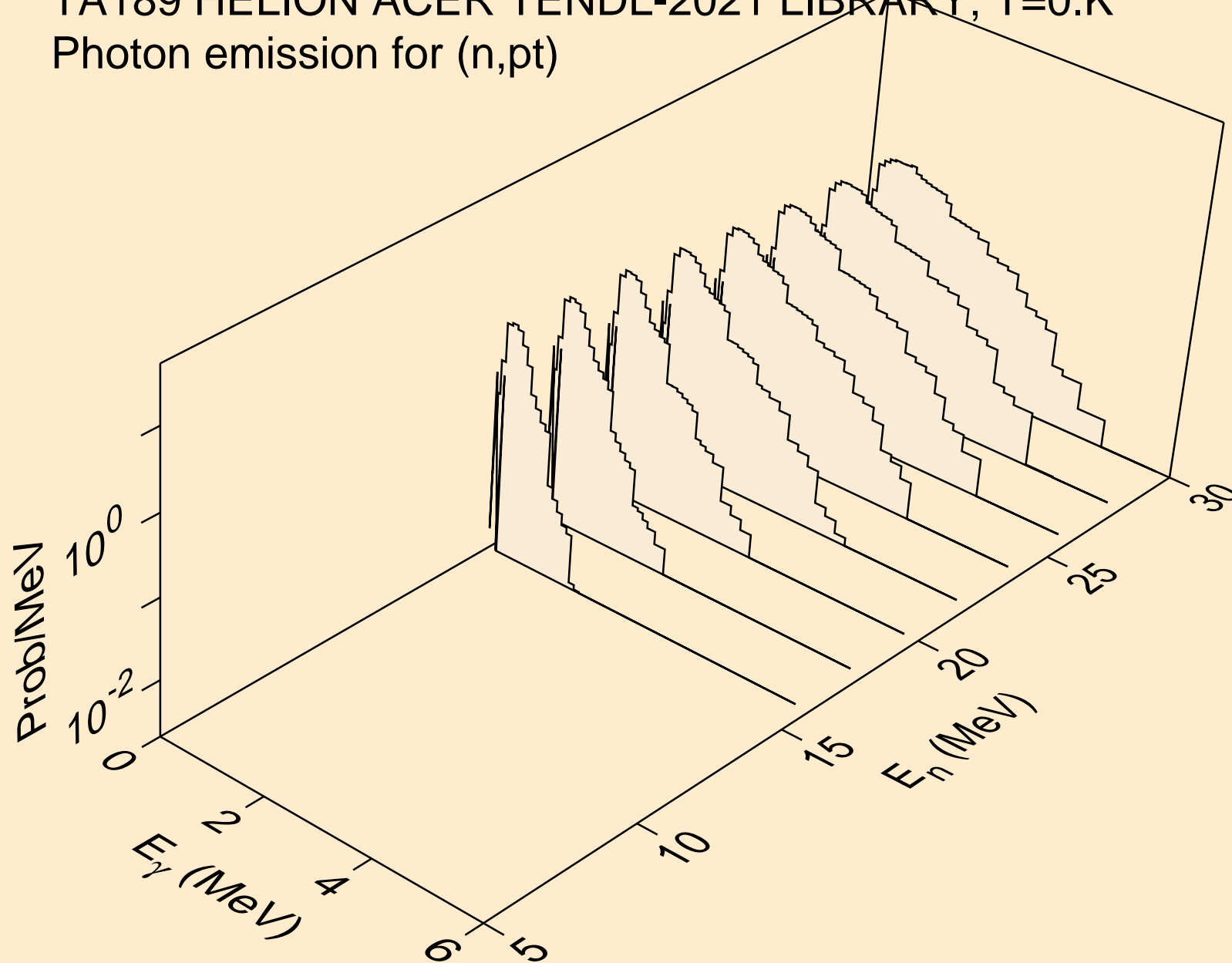




TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pd)

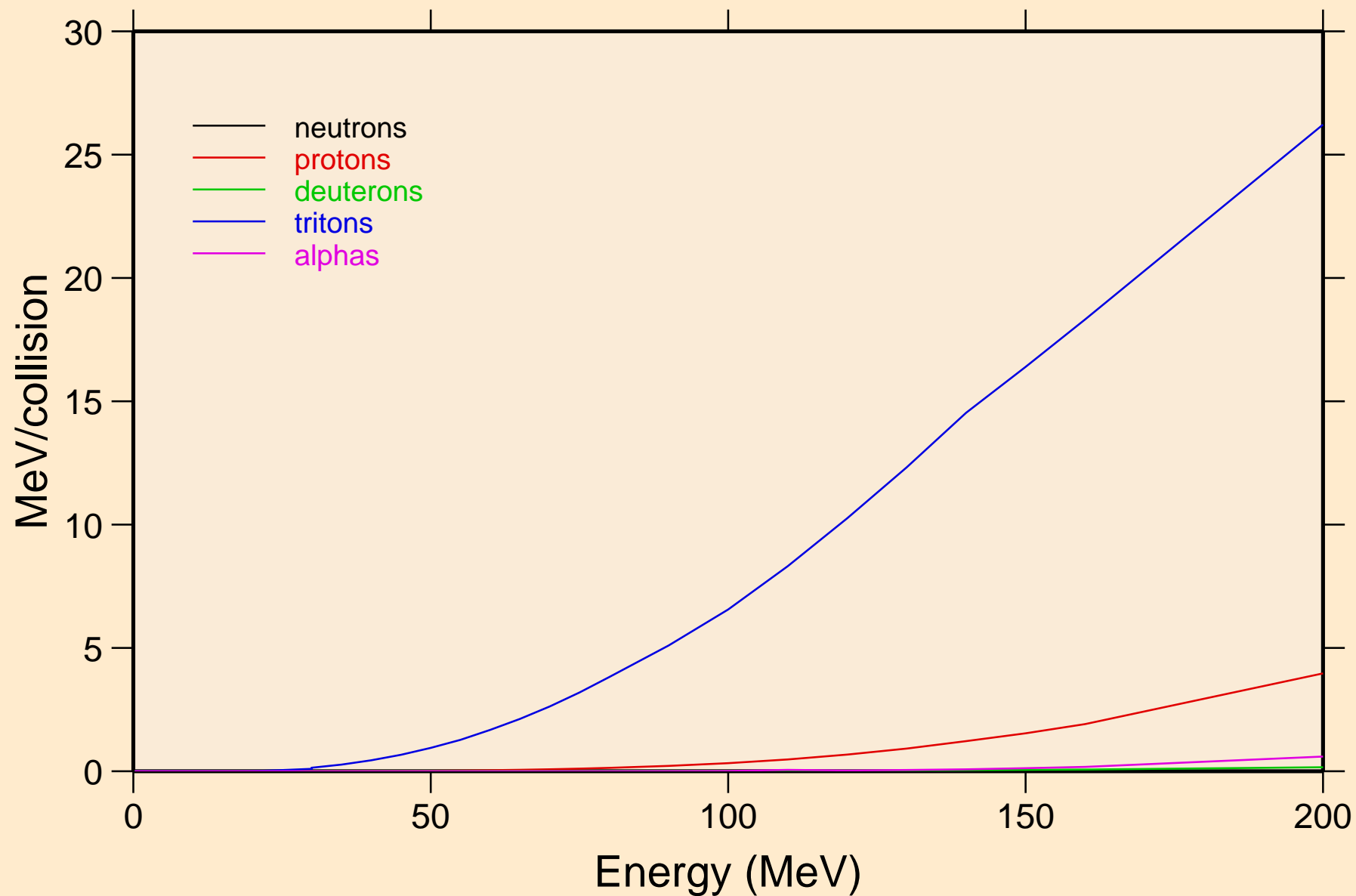


TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pt)



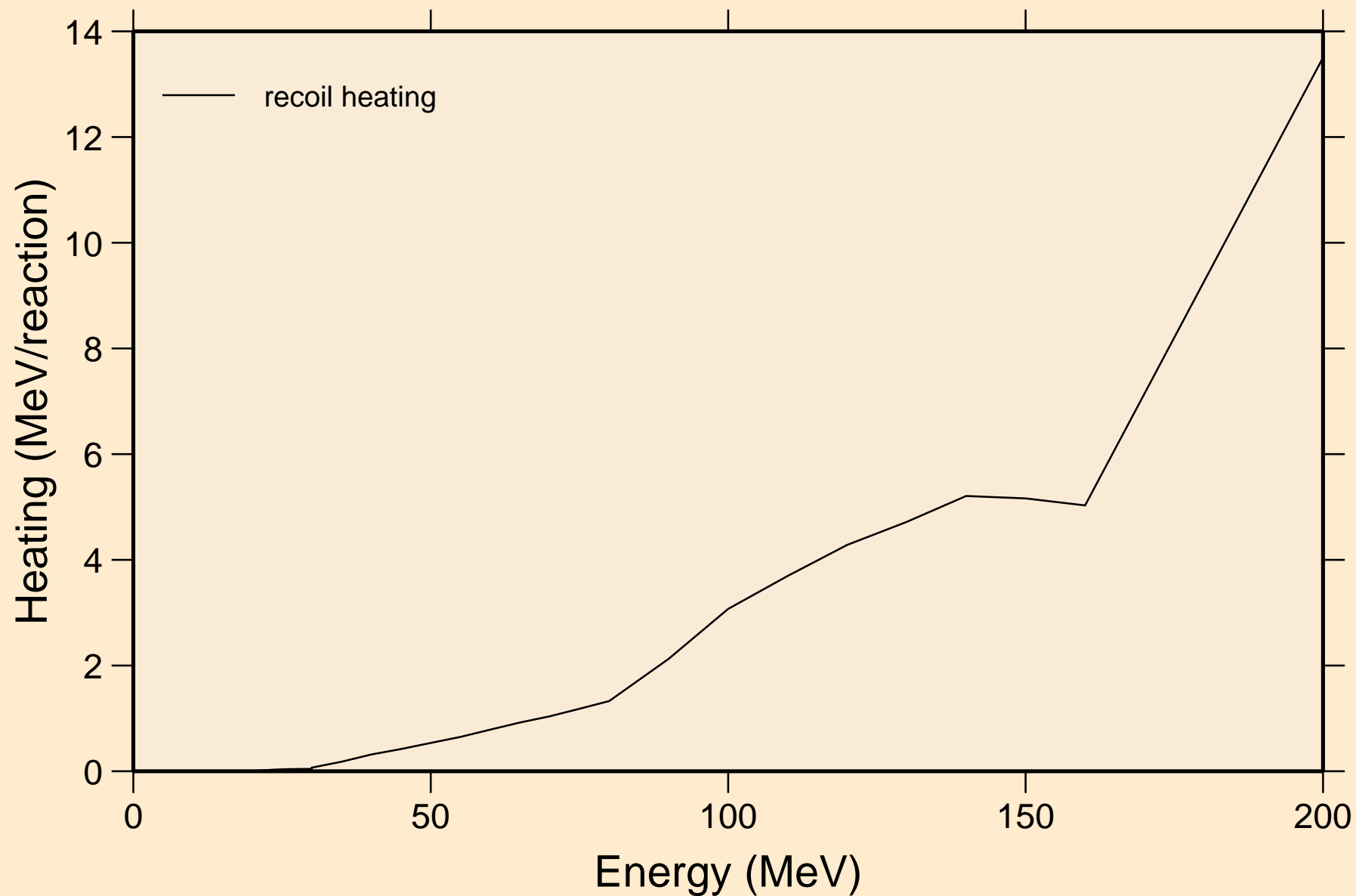
# TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Particle heating contributions



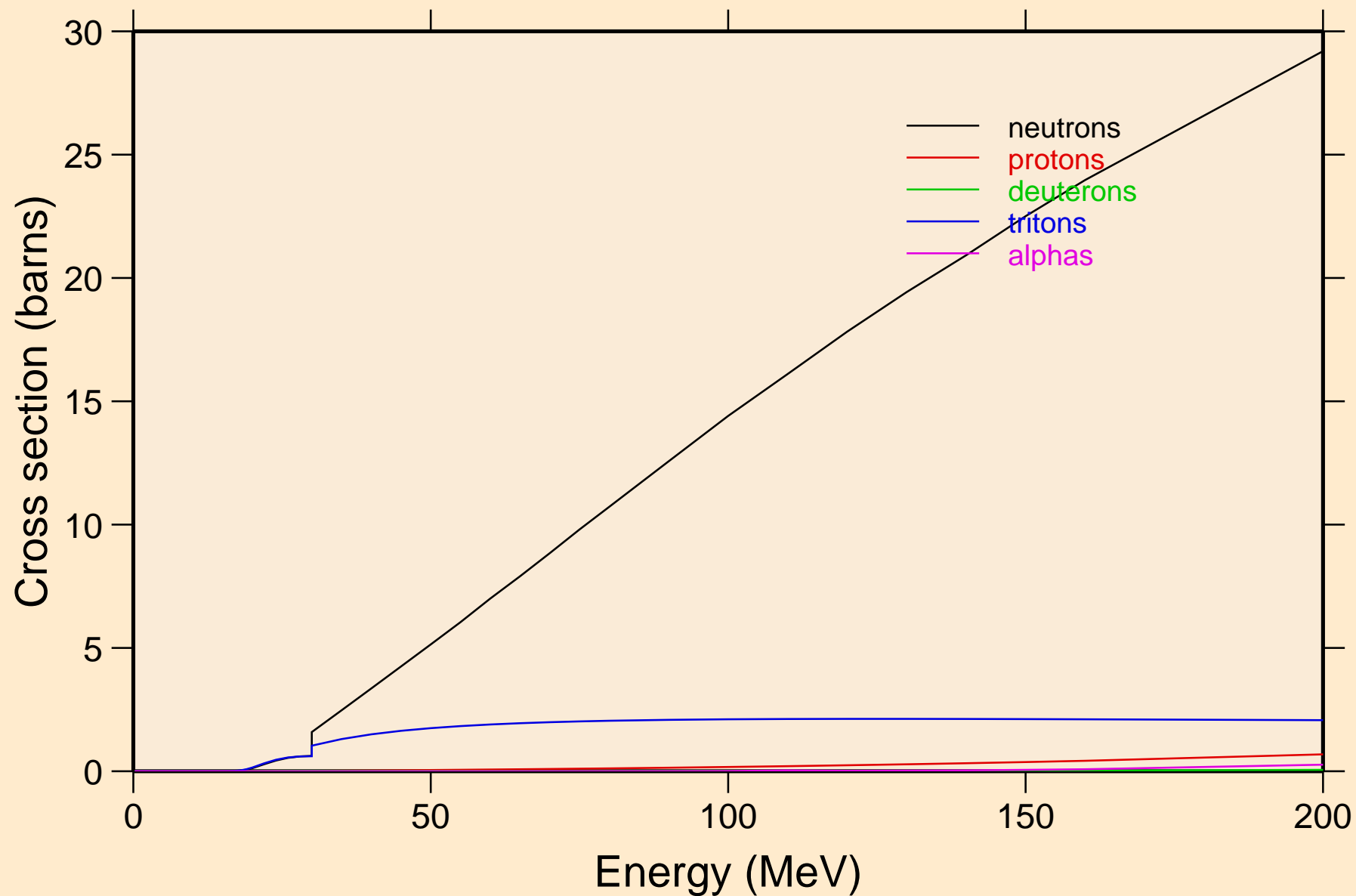
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Recoil Heating

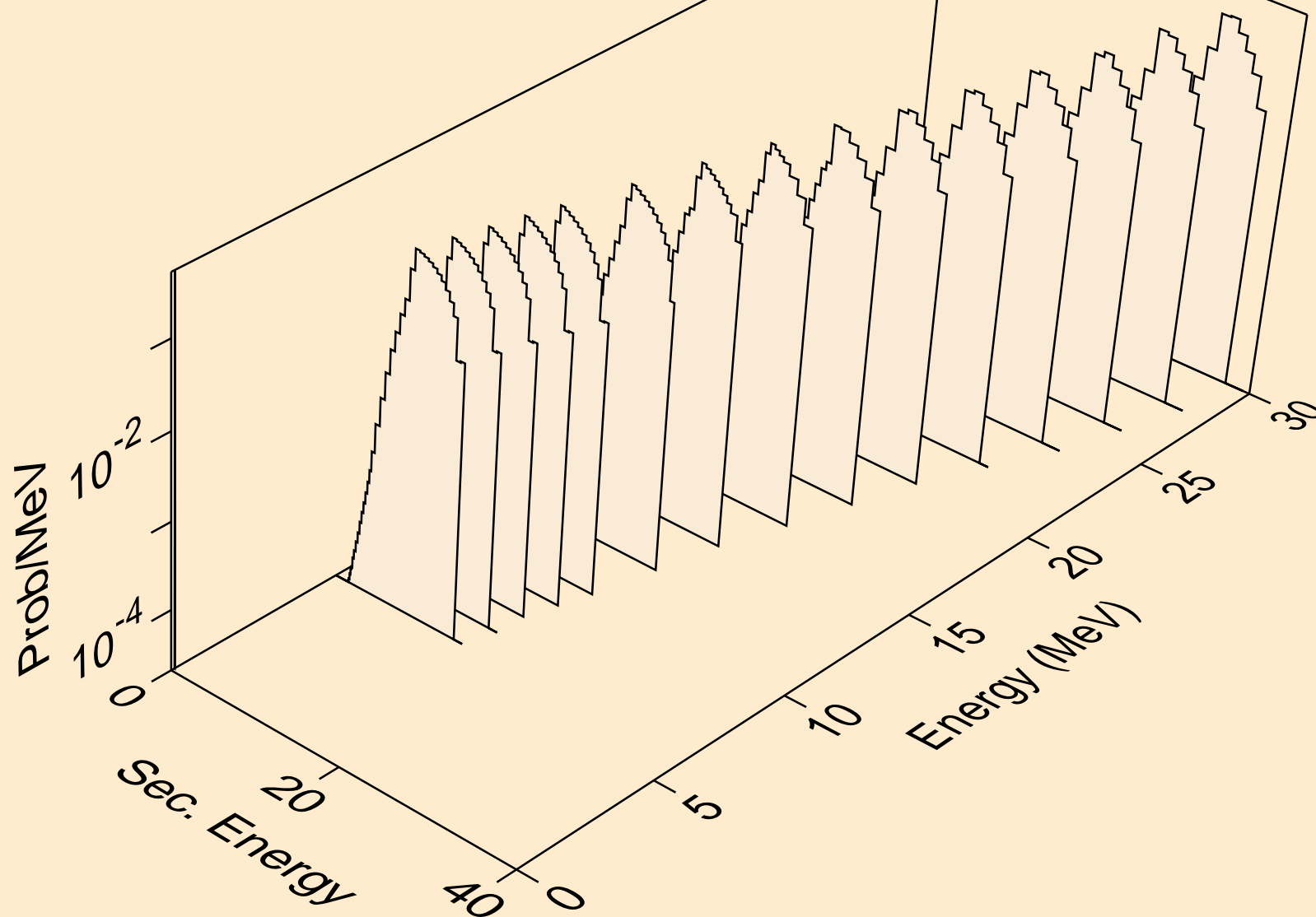


# TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K

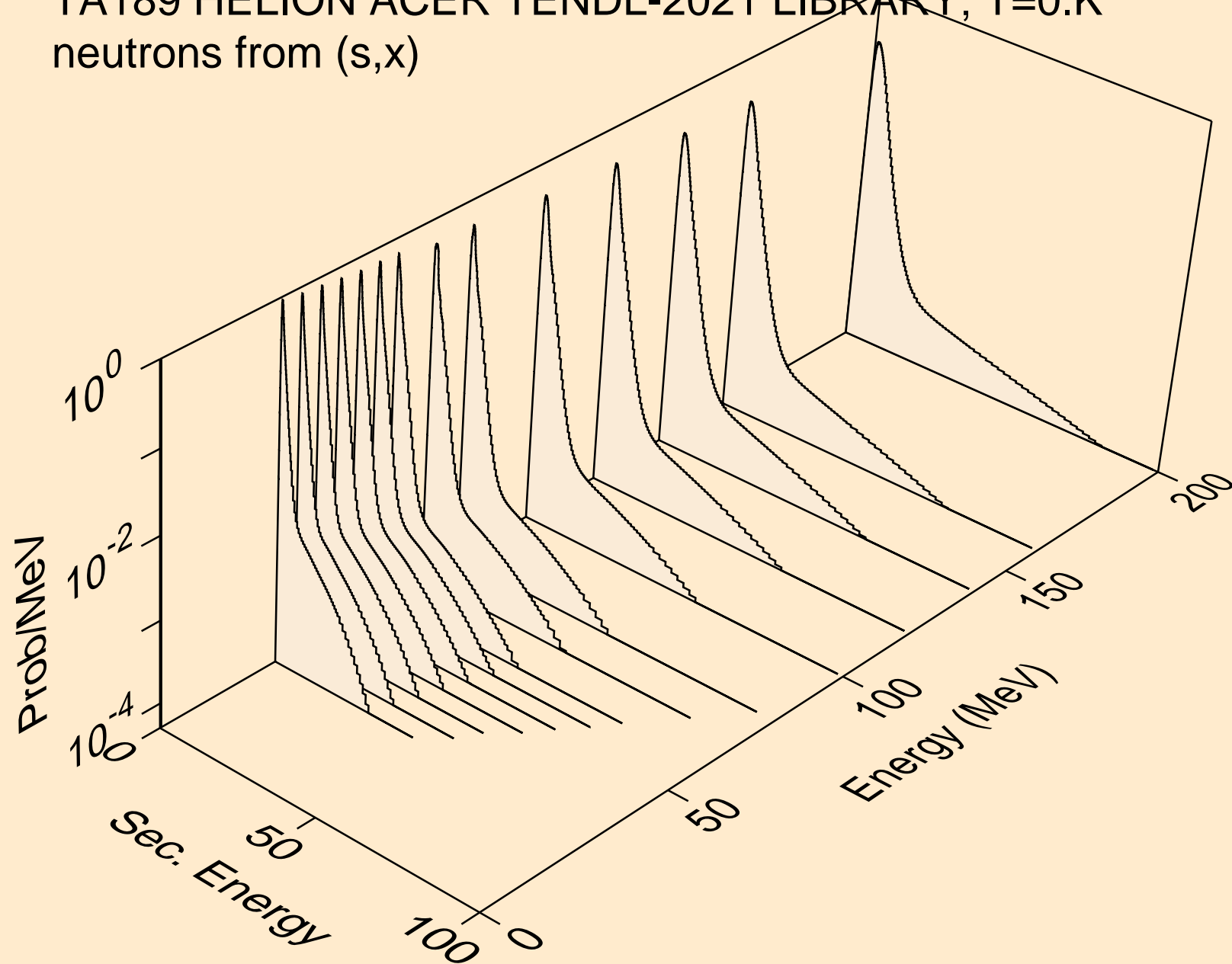
## Particle production cross sections



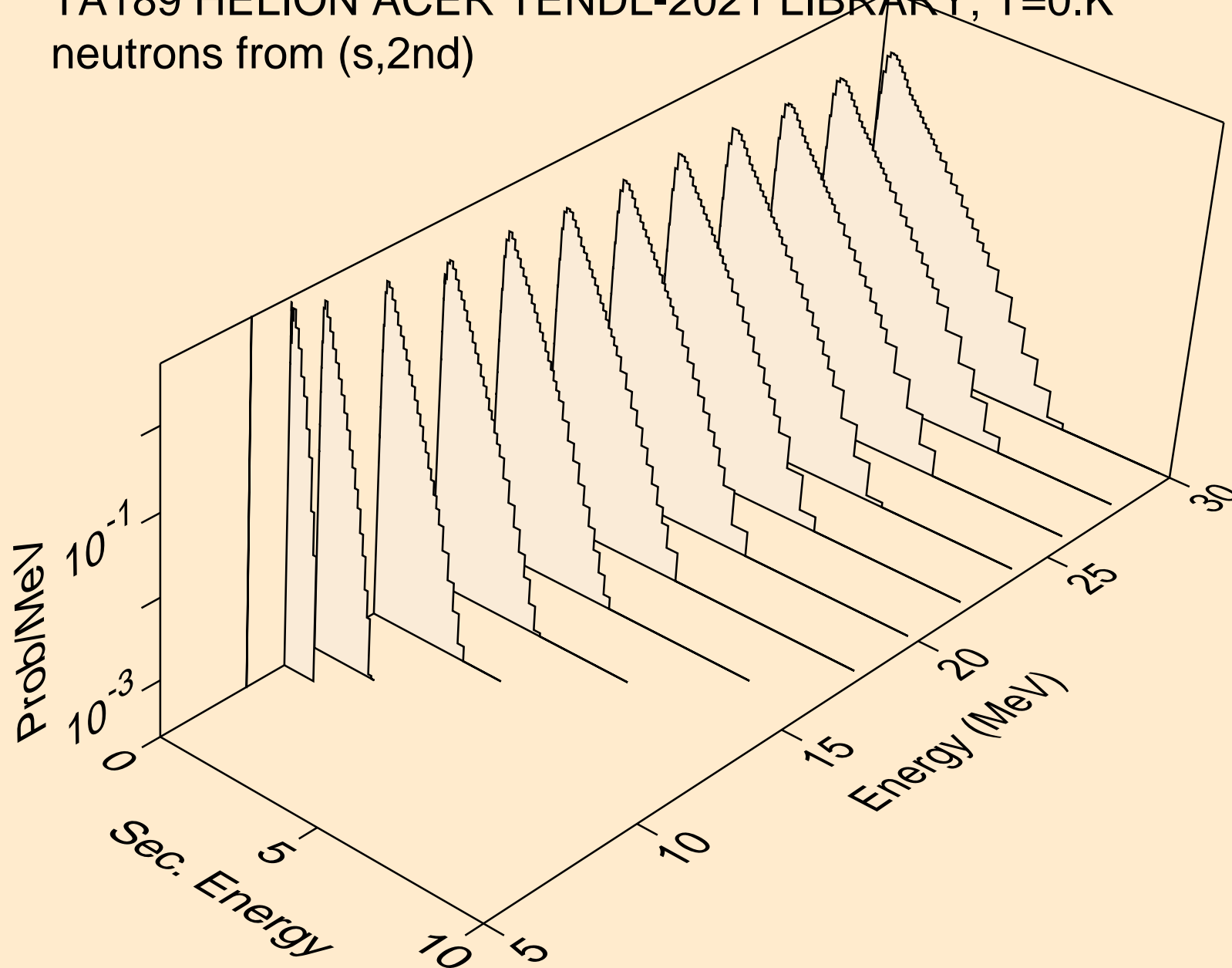
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n)



TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,x)

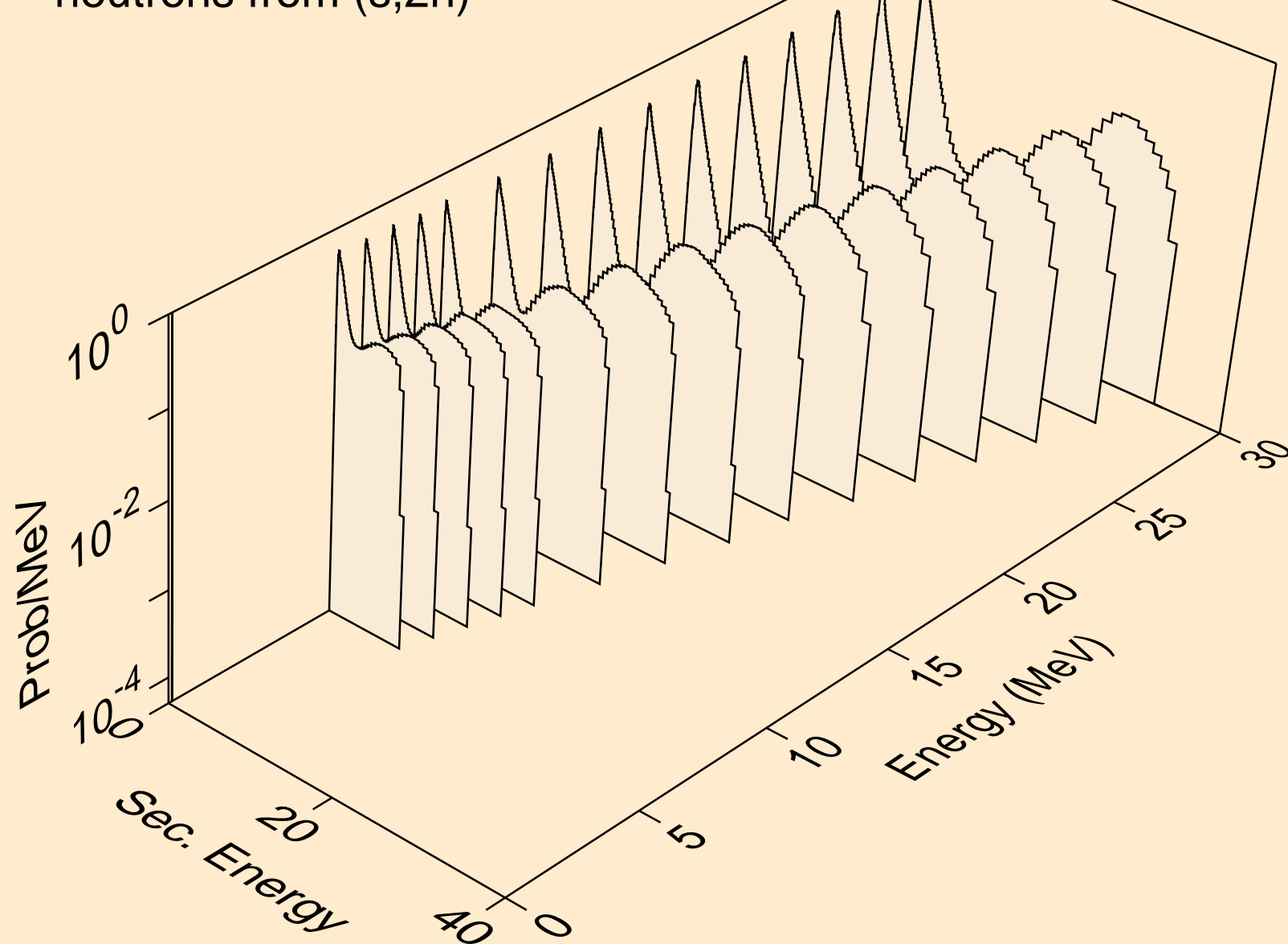


TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2nd)

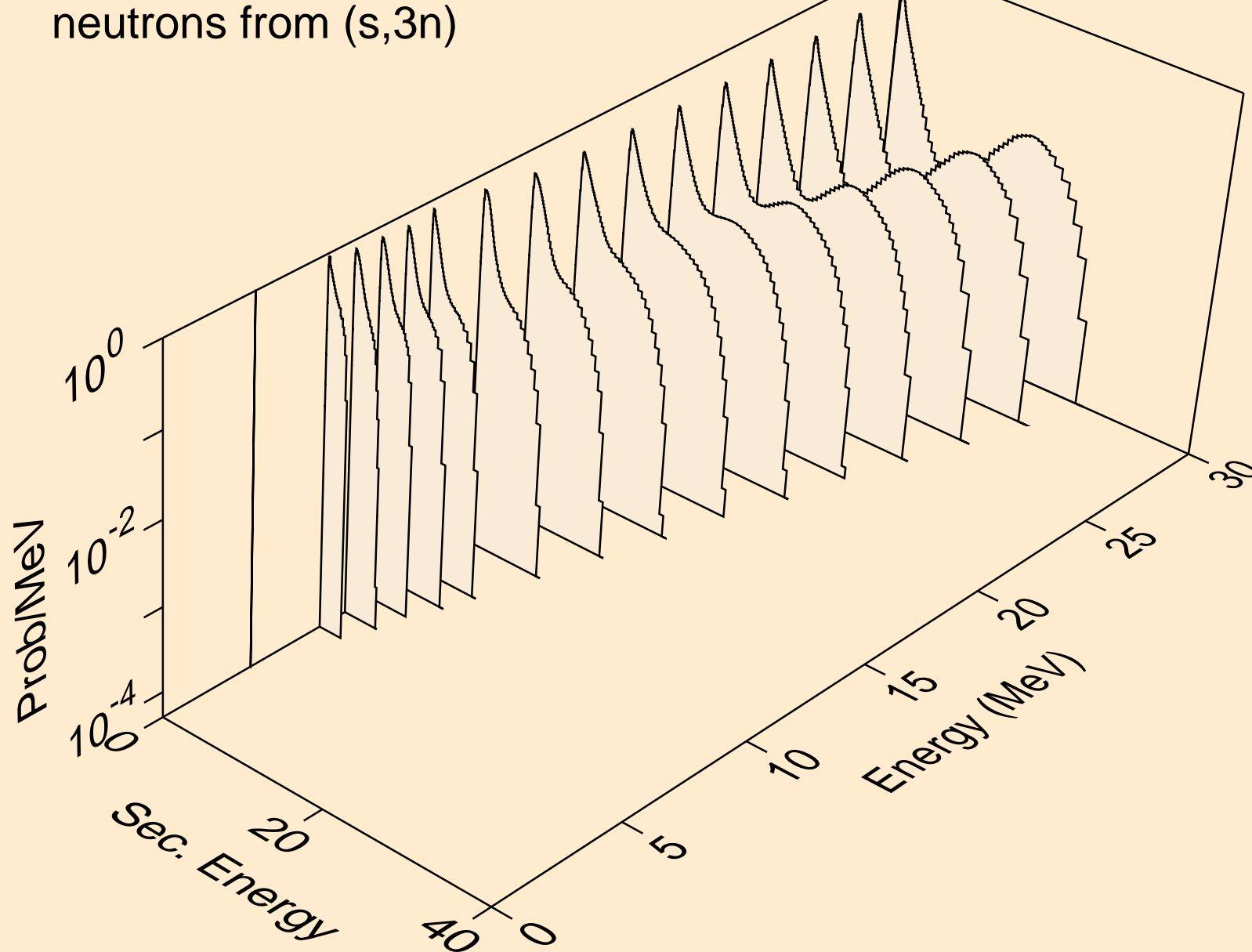




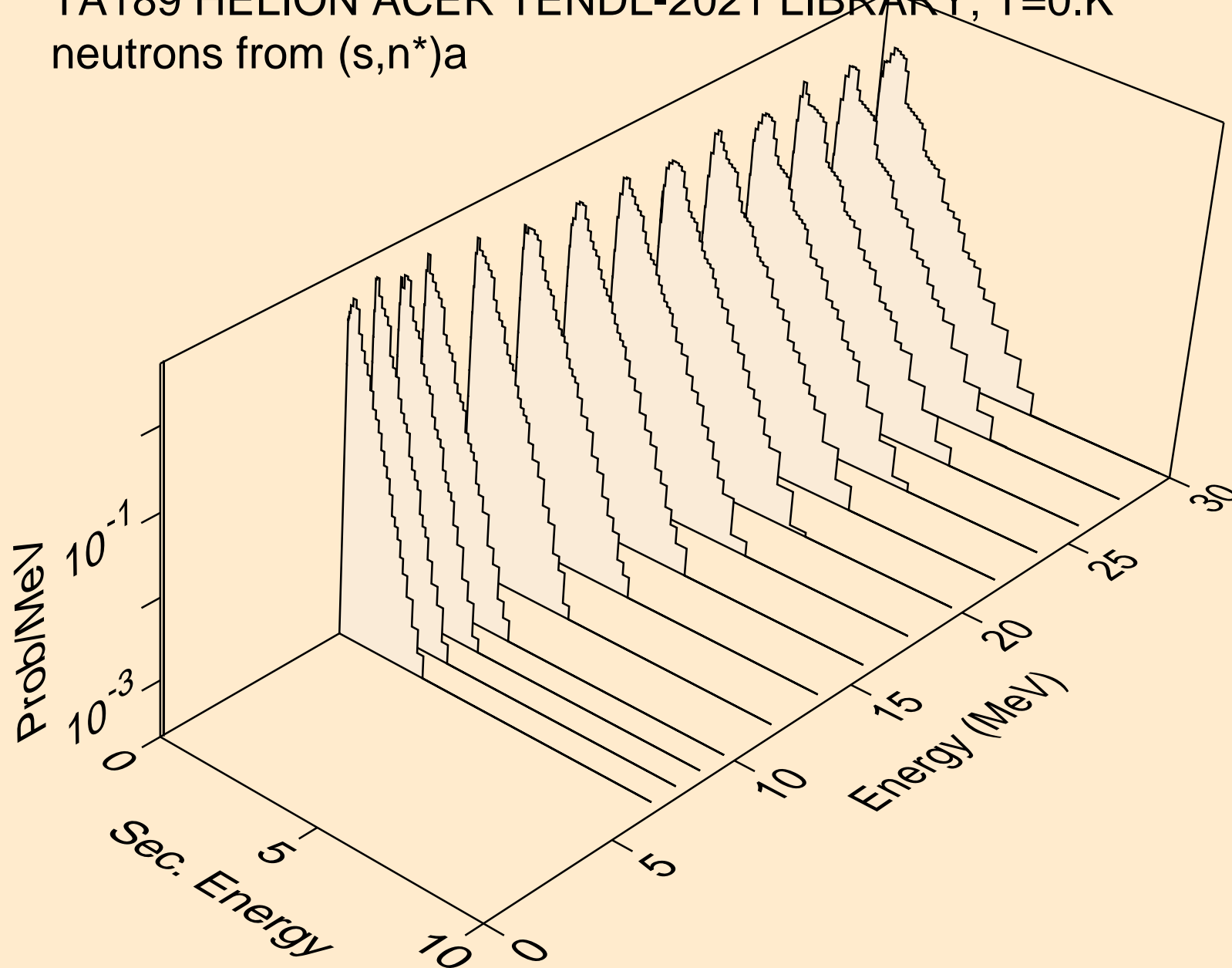
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2n)



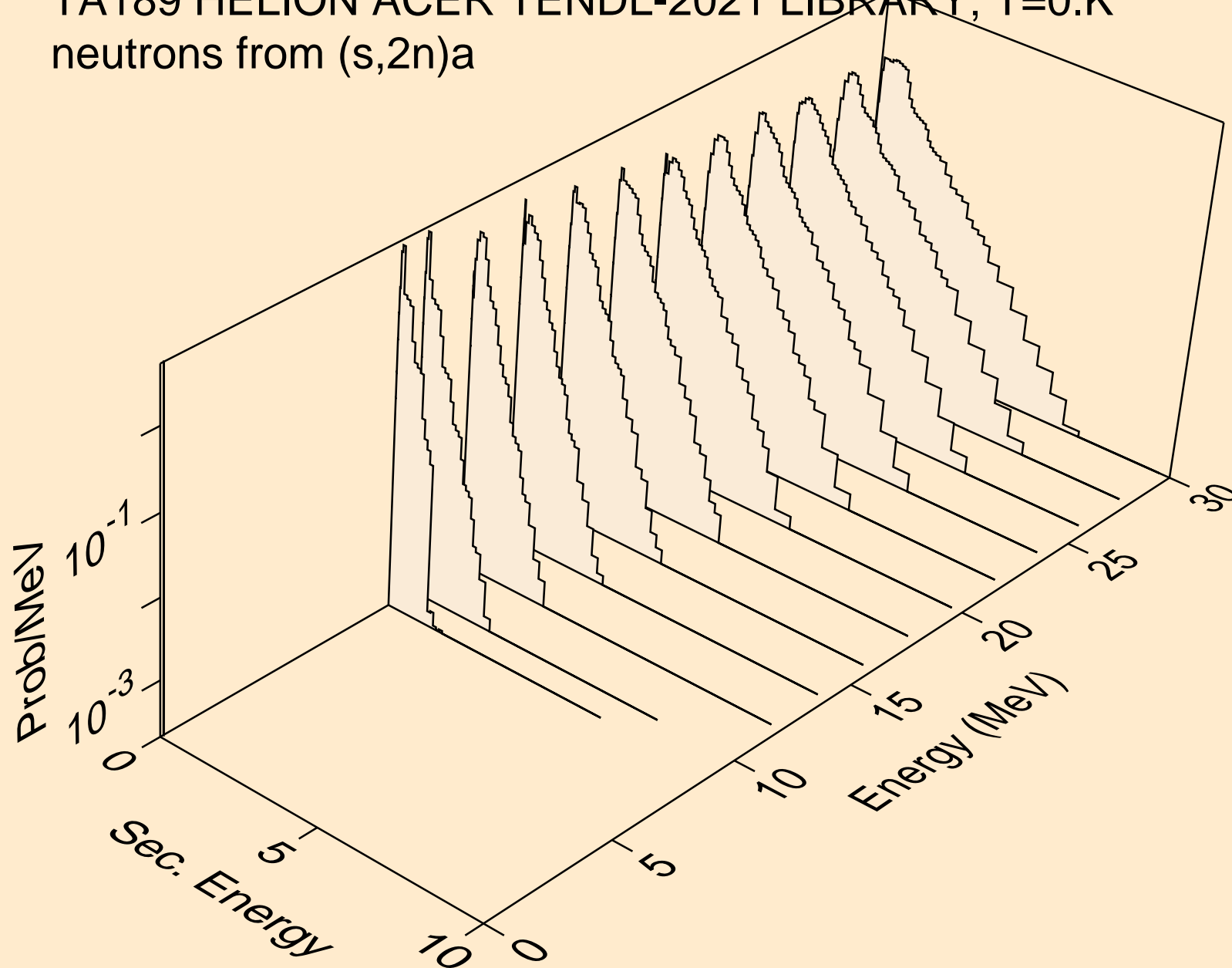
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,3n)



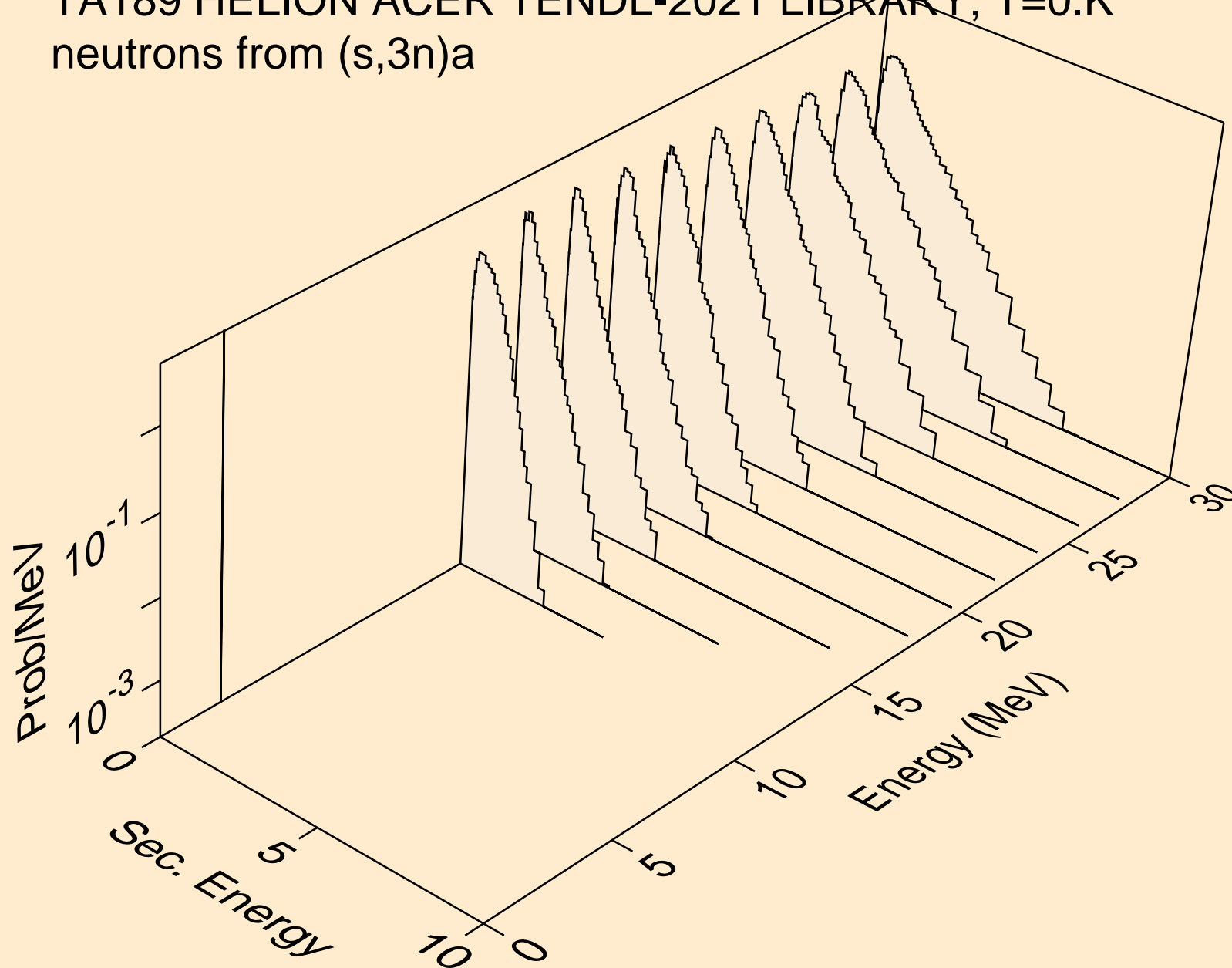
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)a



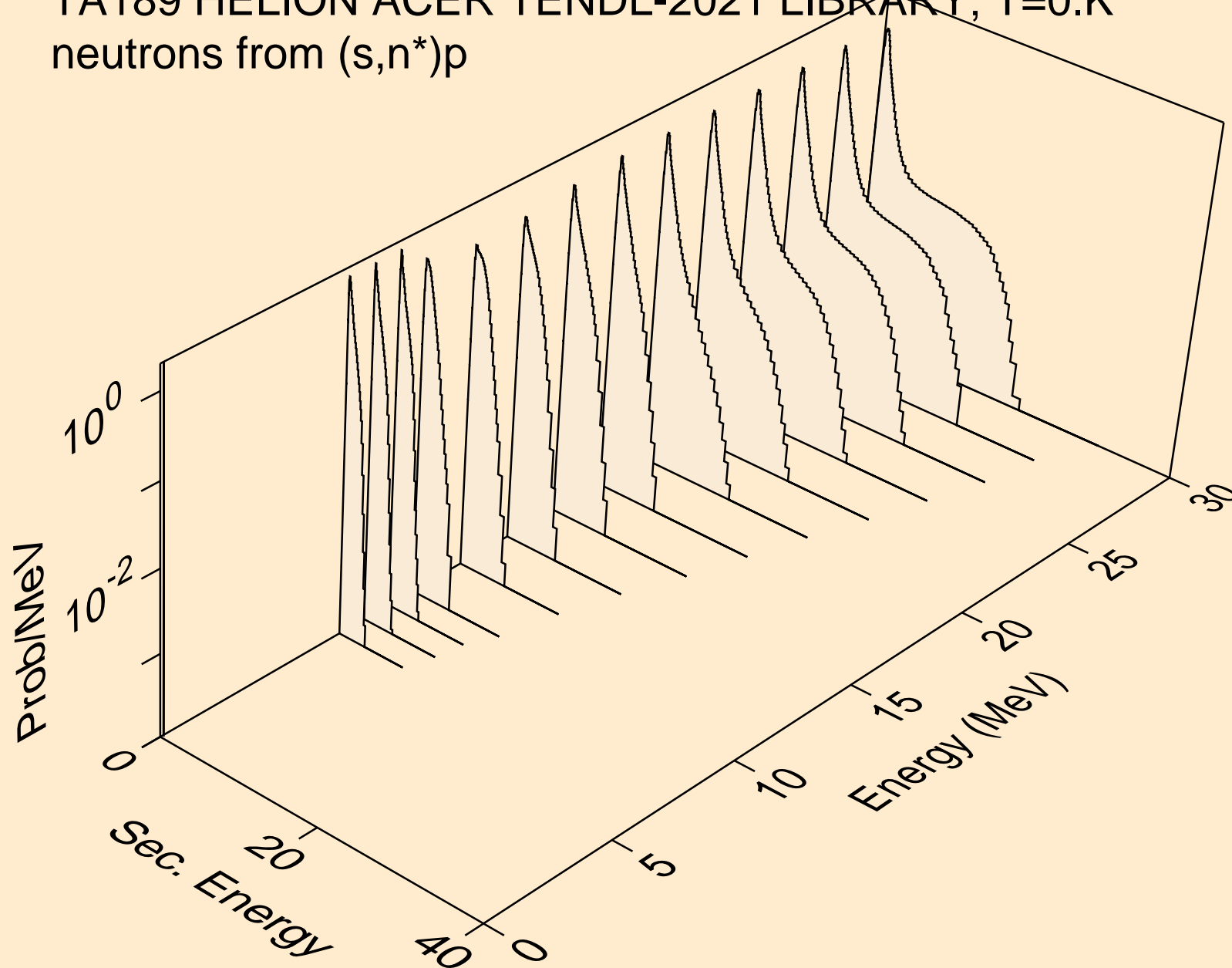
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2n)a



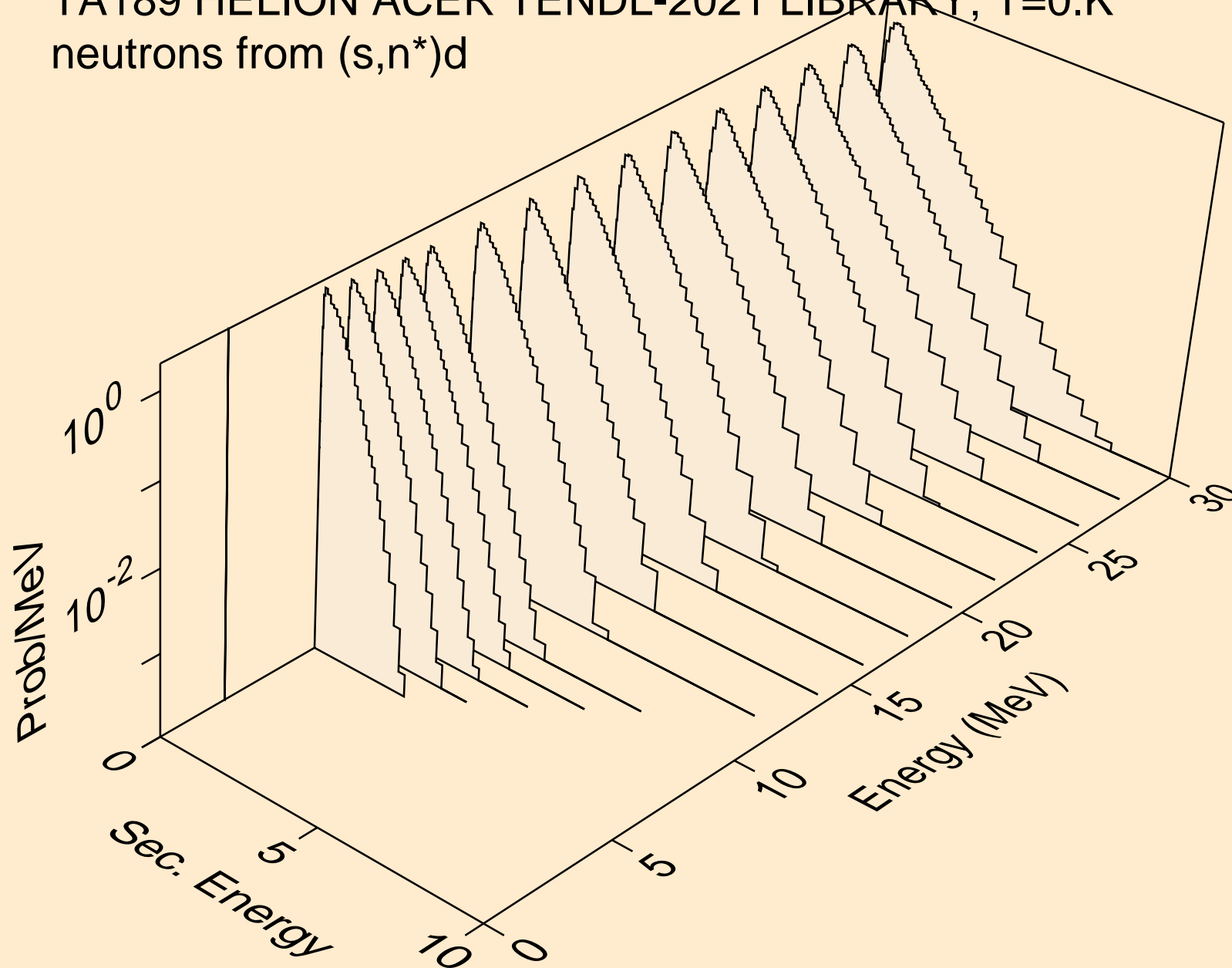
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,3n)a



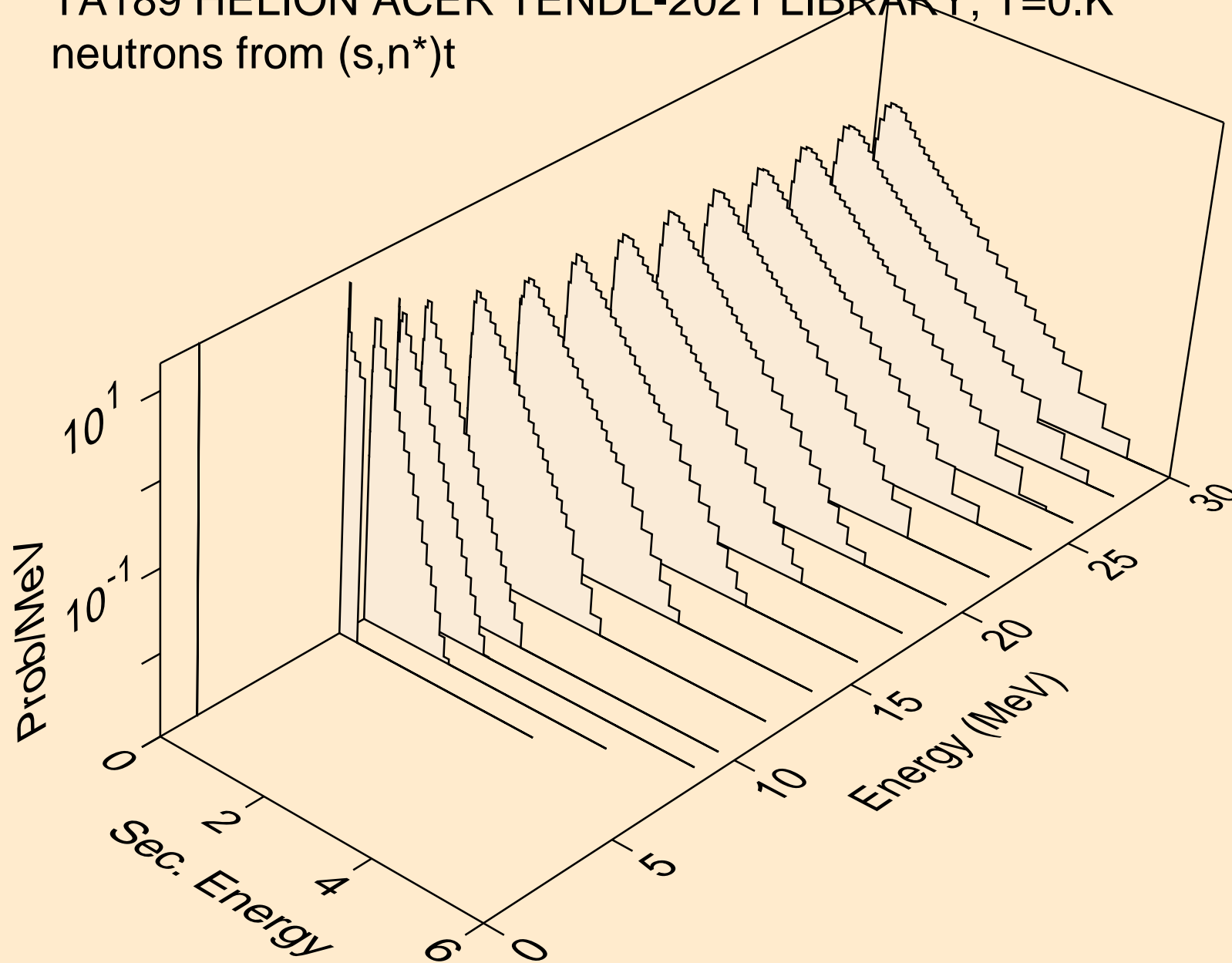
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)p



TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)d

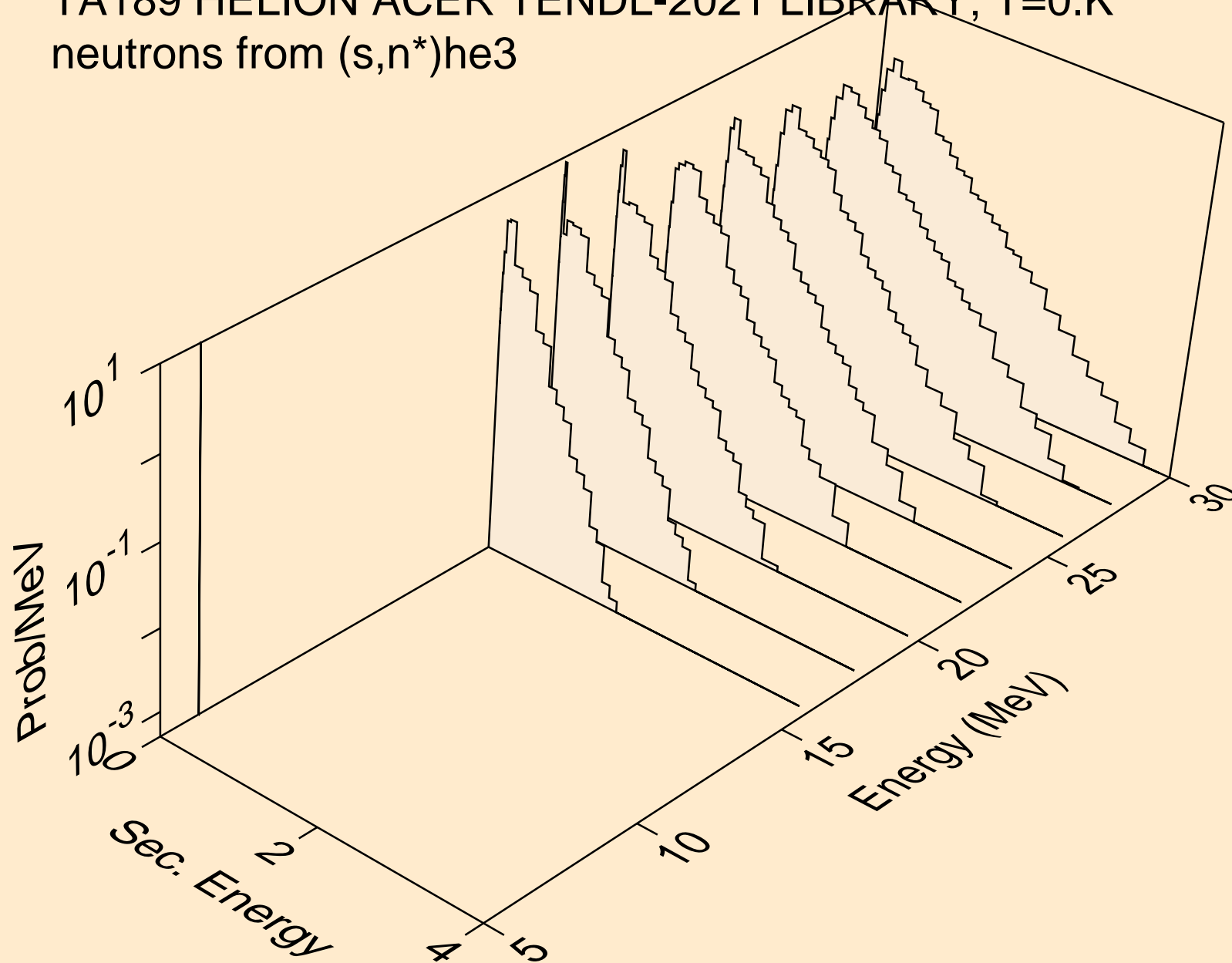


TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)t

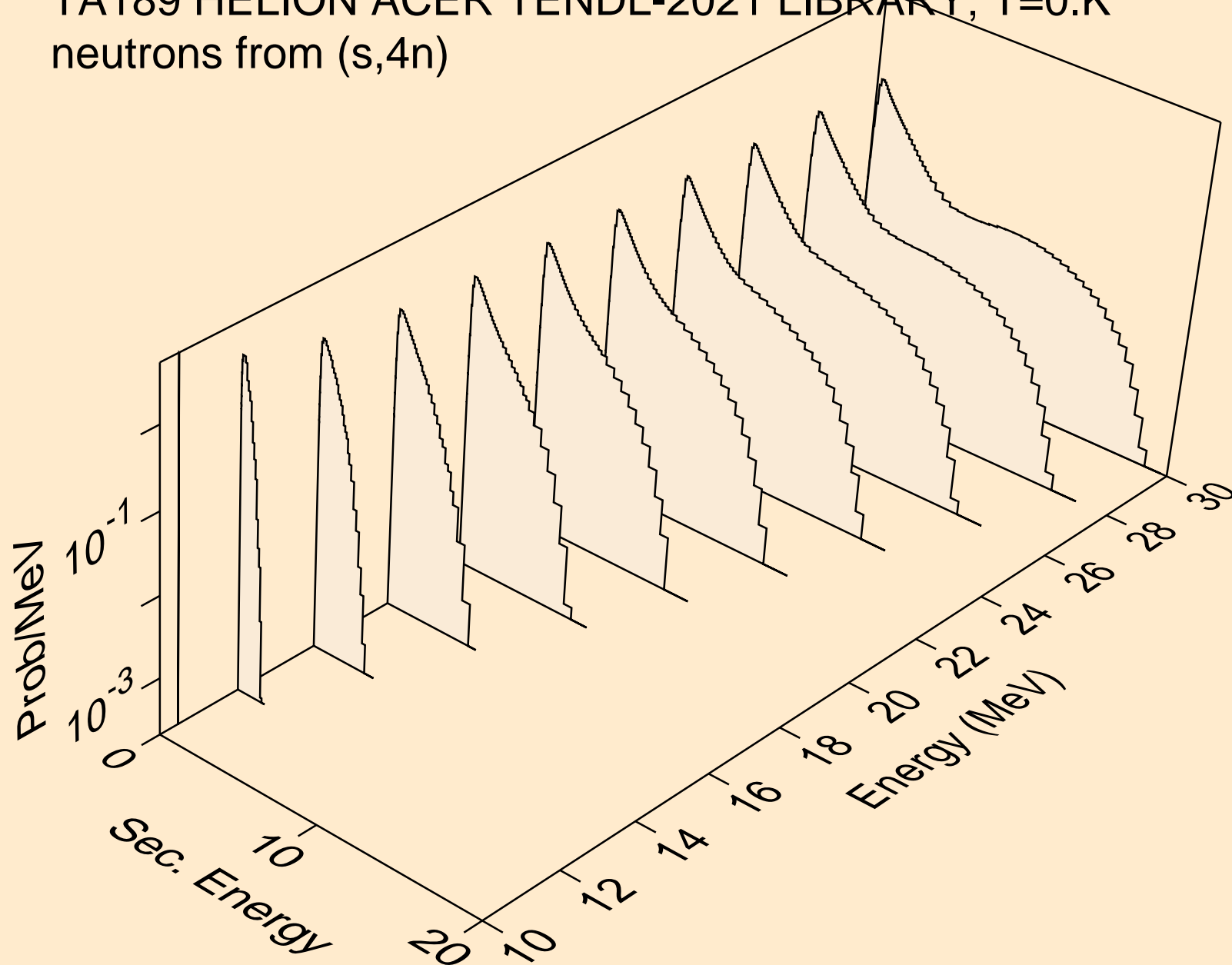




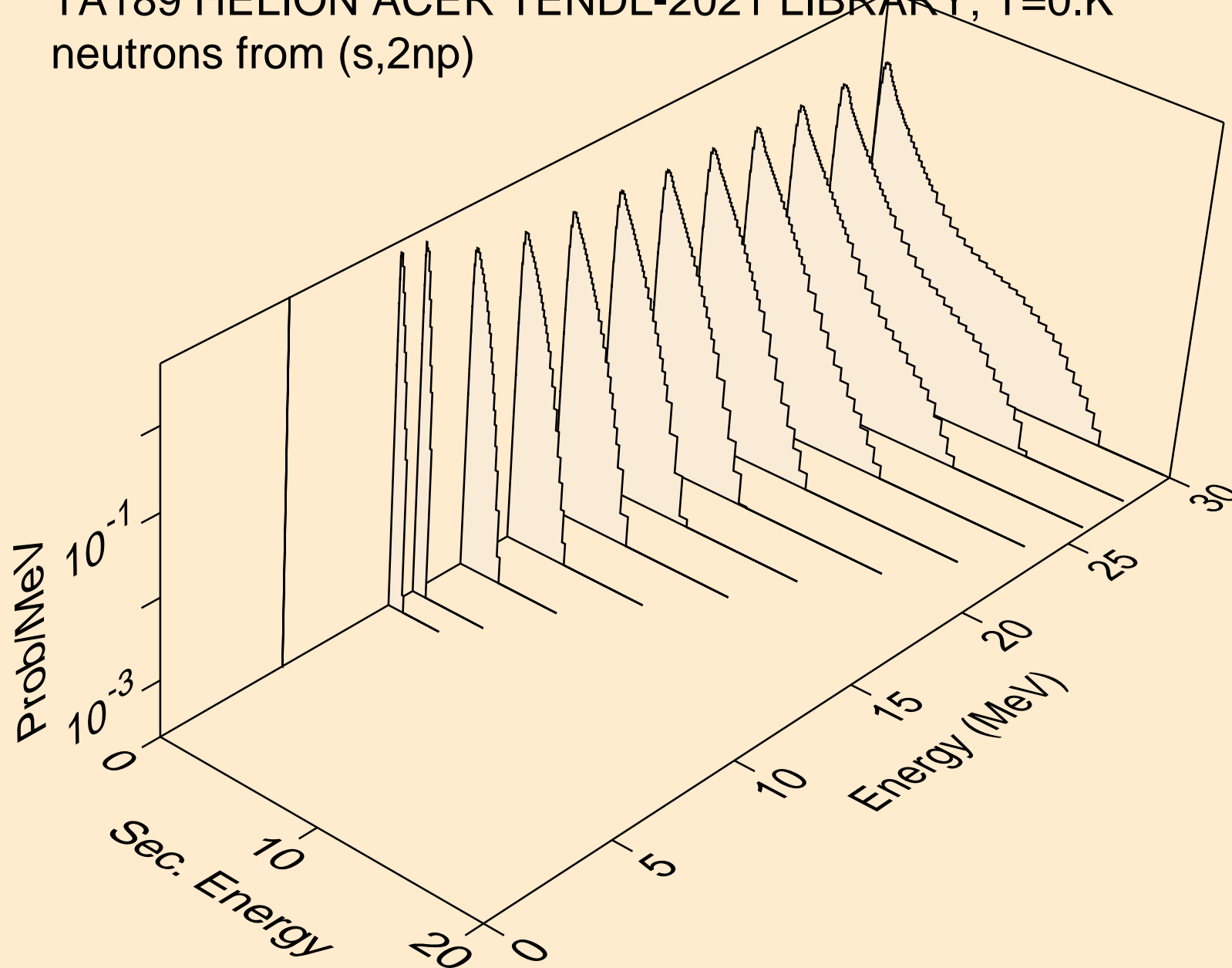
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)he3



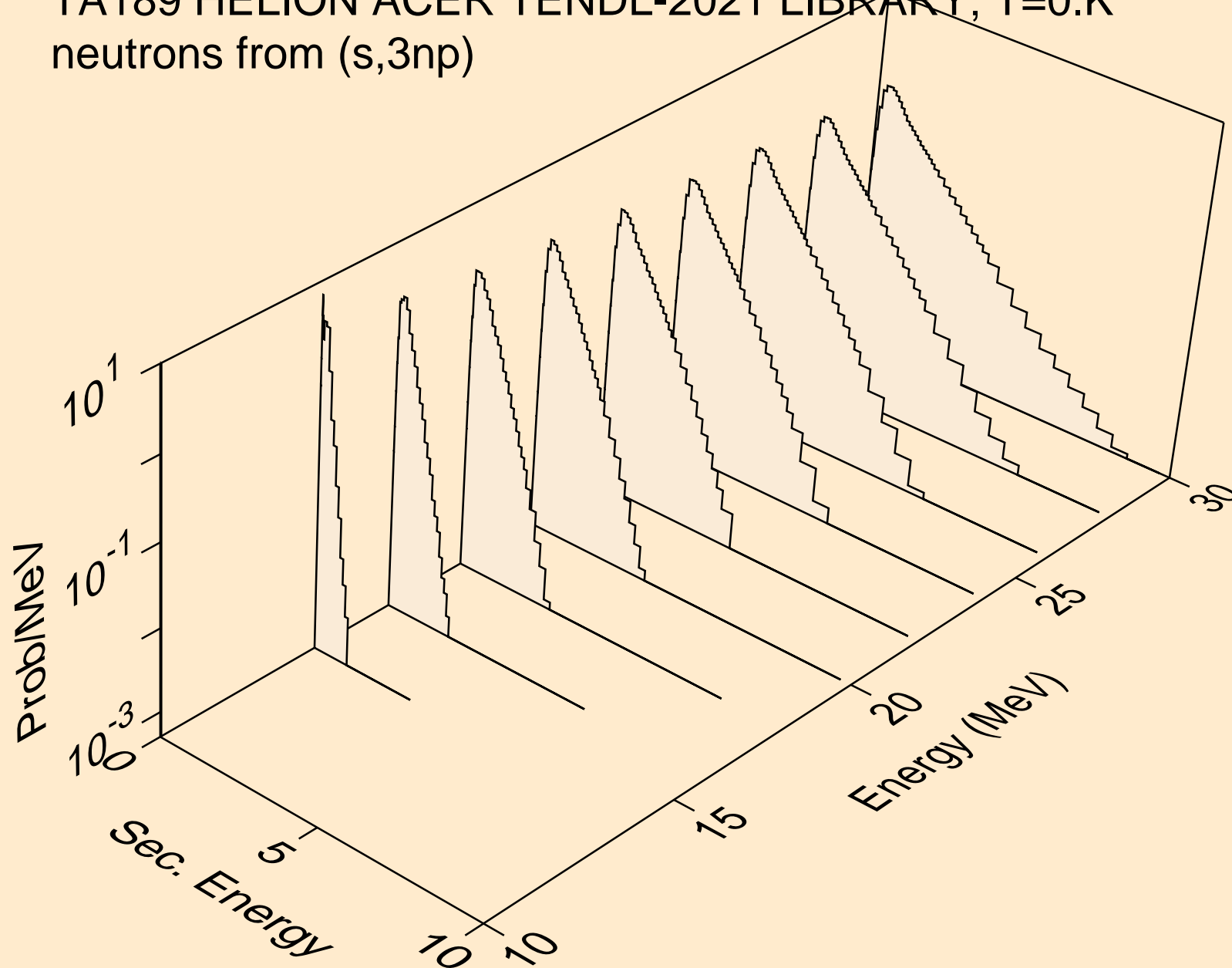
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,4n)



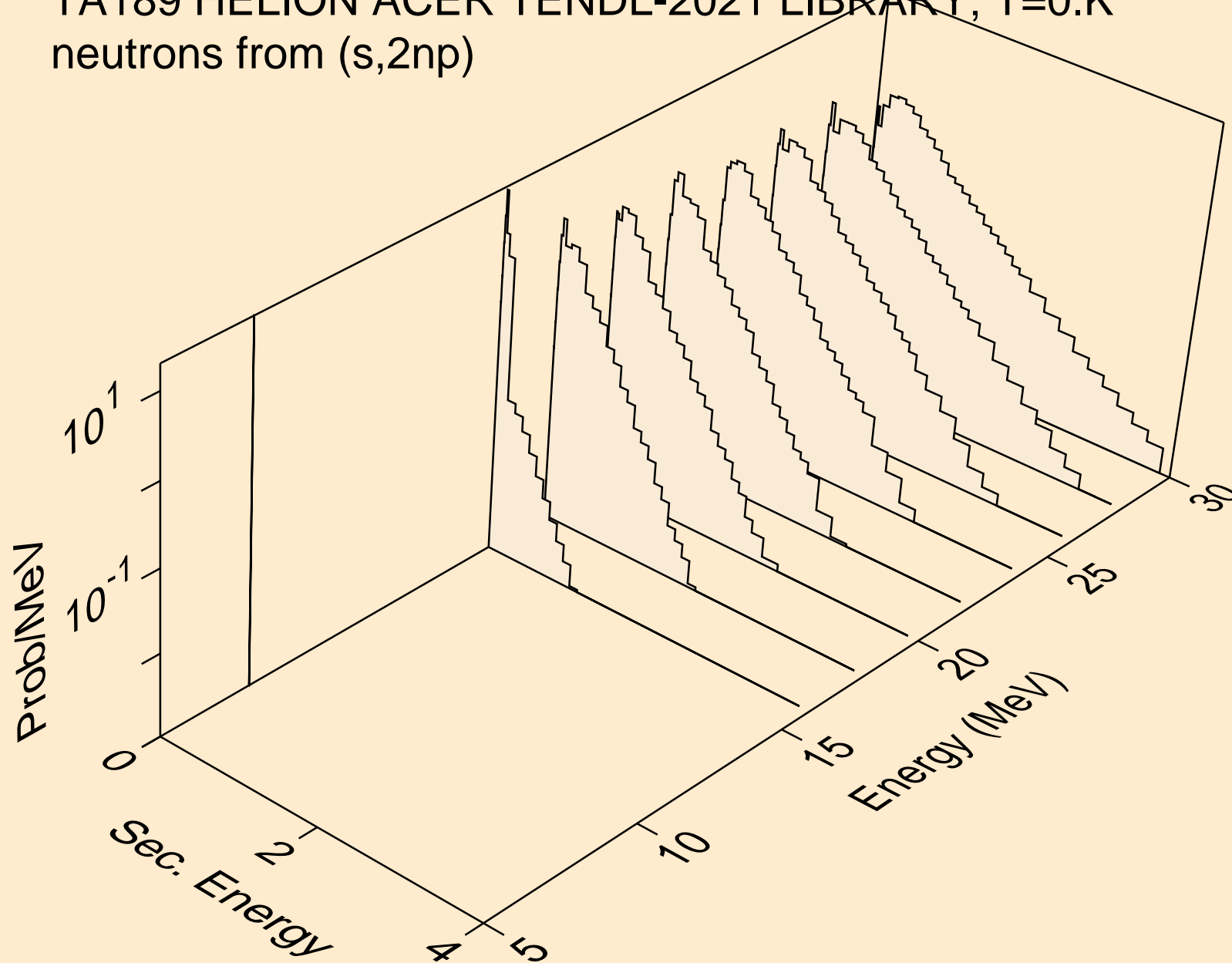
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2np)



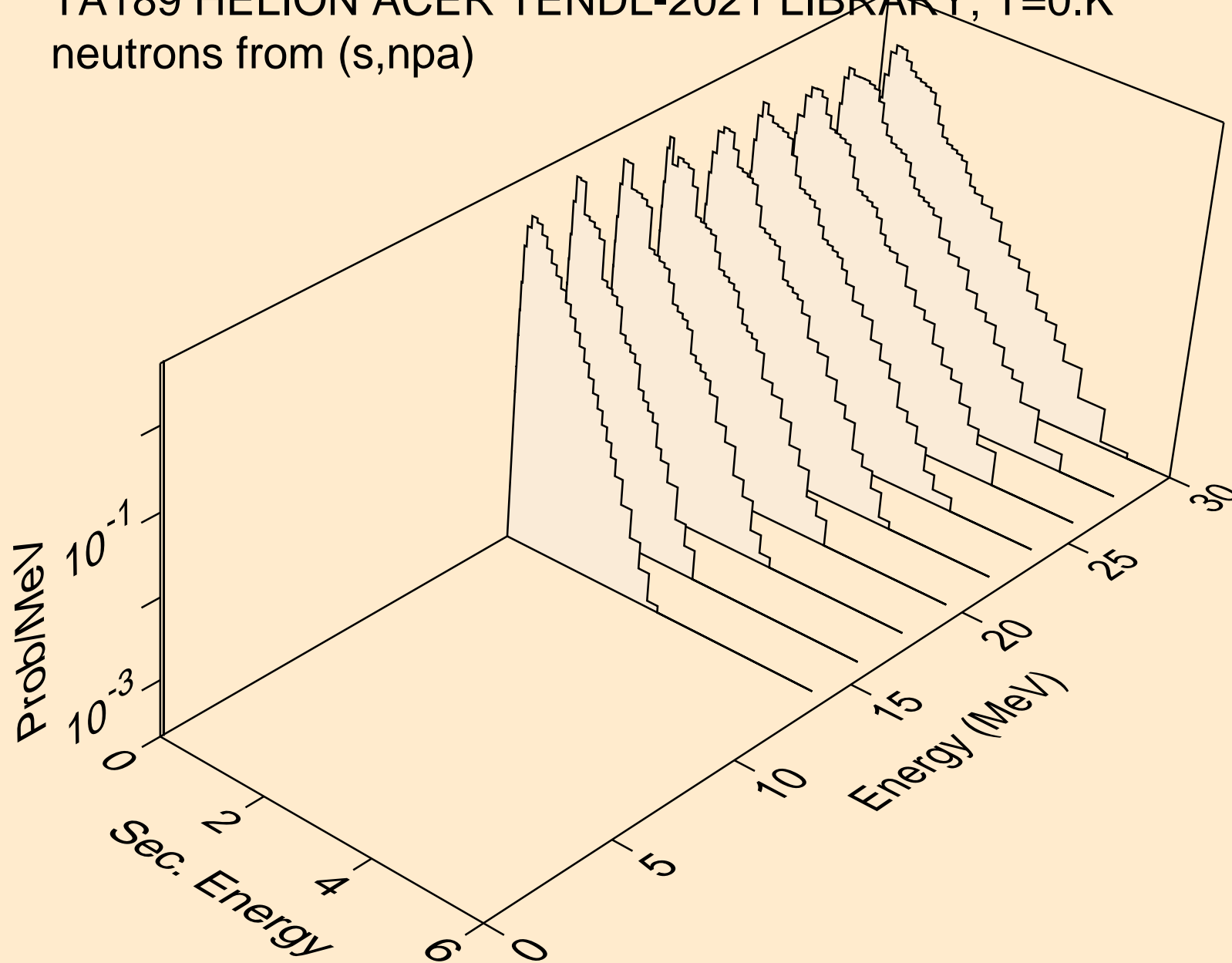
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,3np)



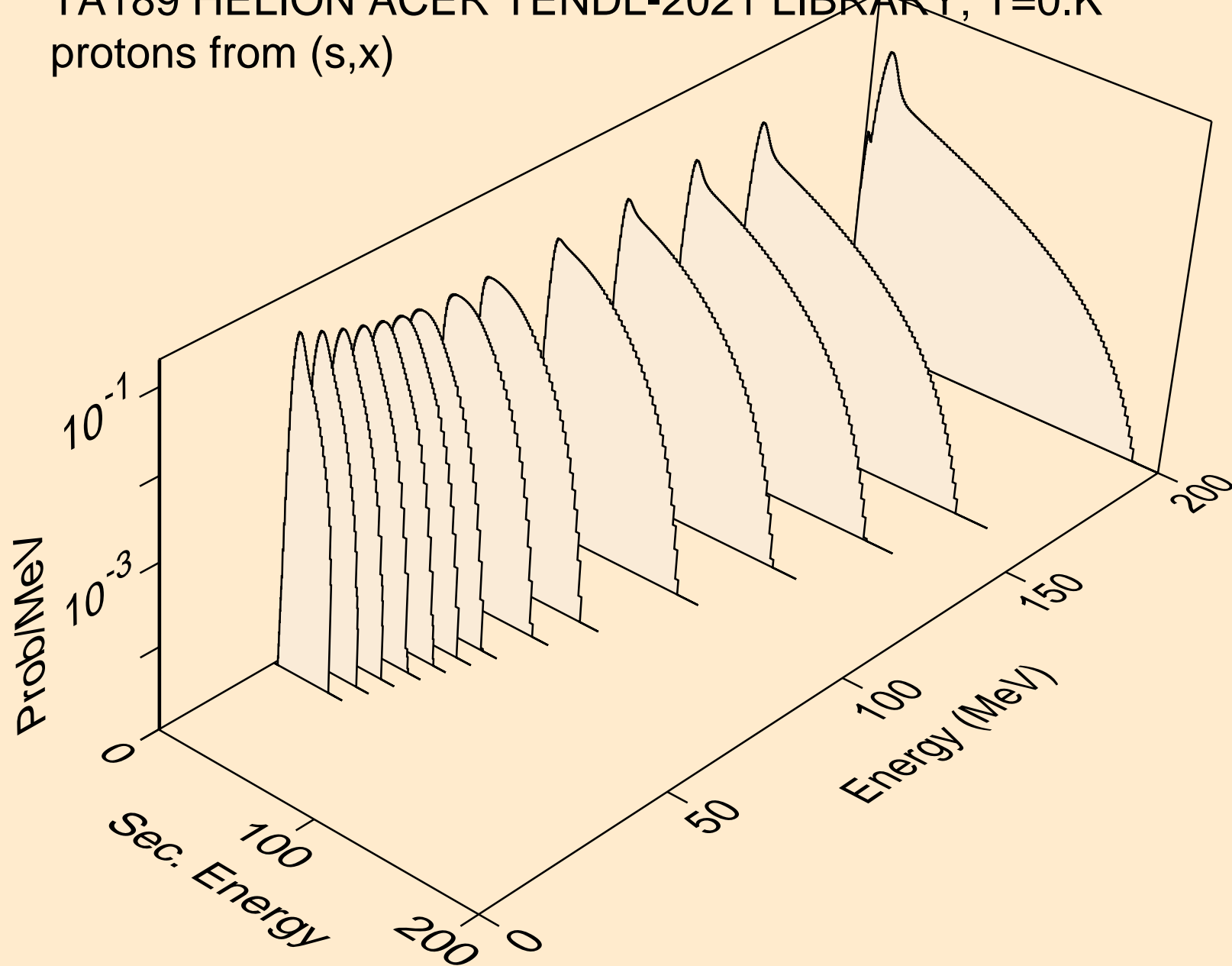
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2np)



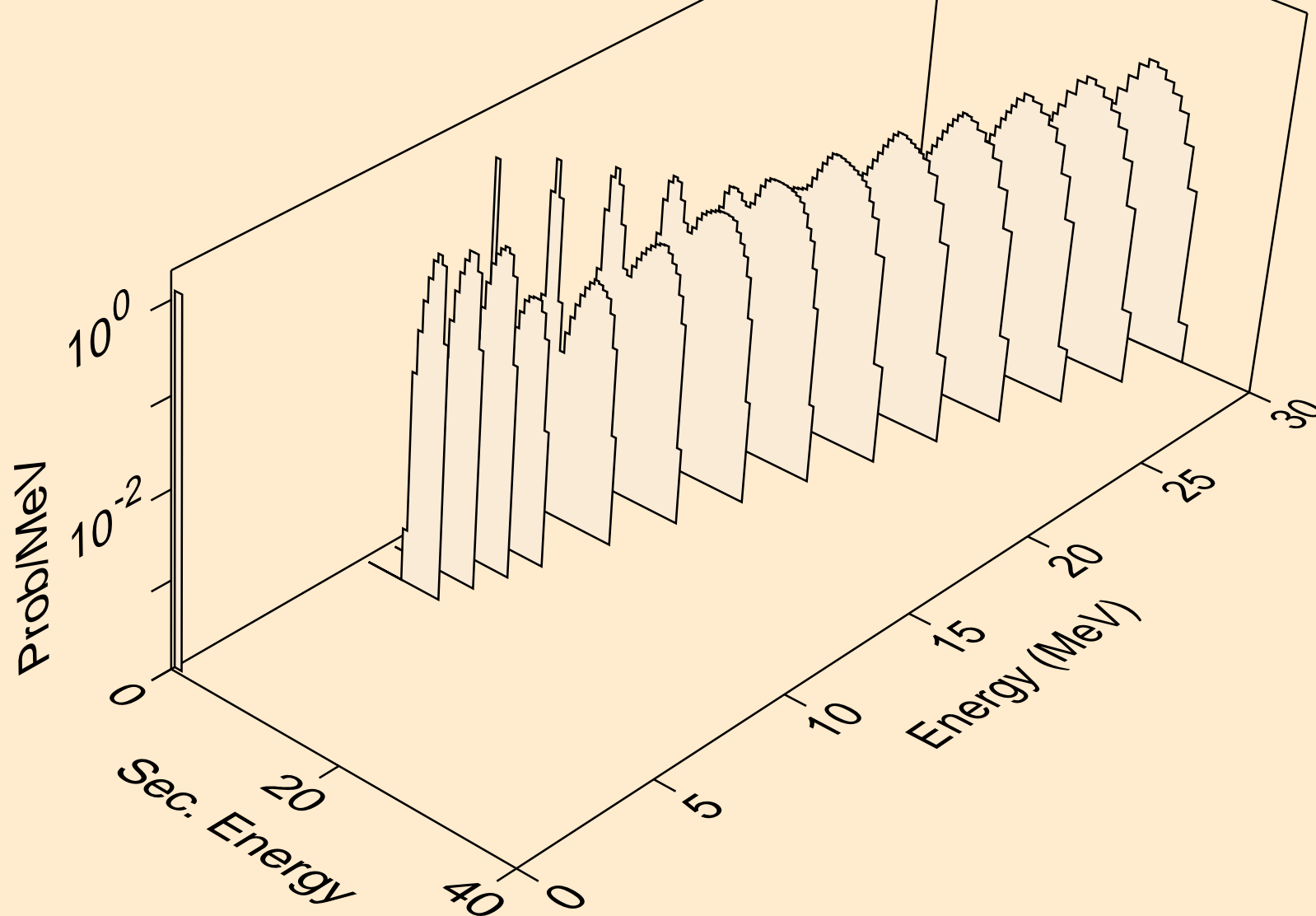
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,npa)



TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,x)

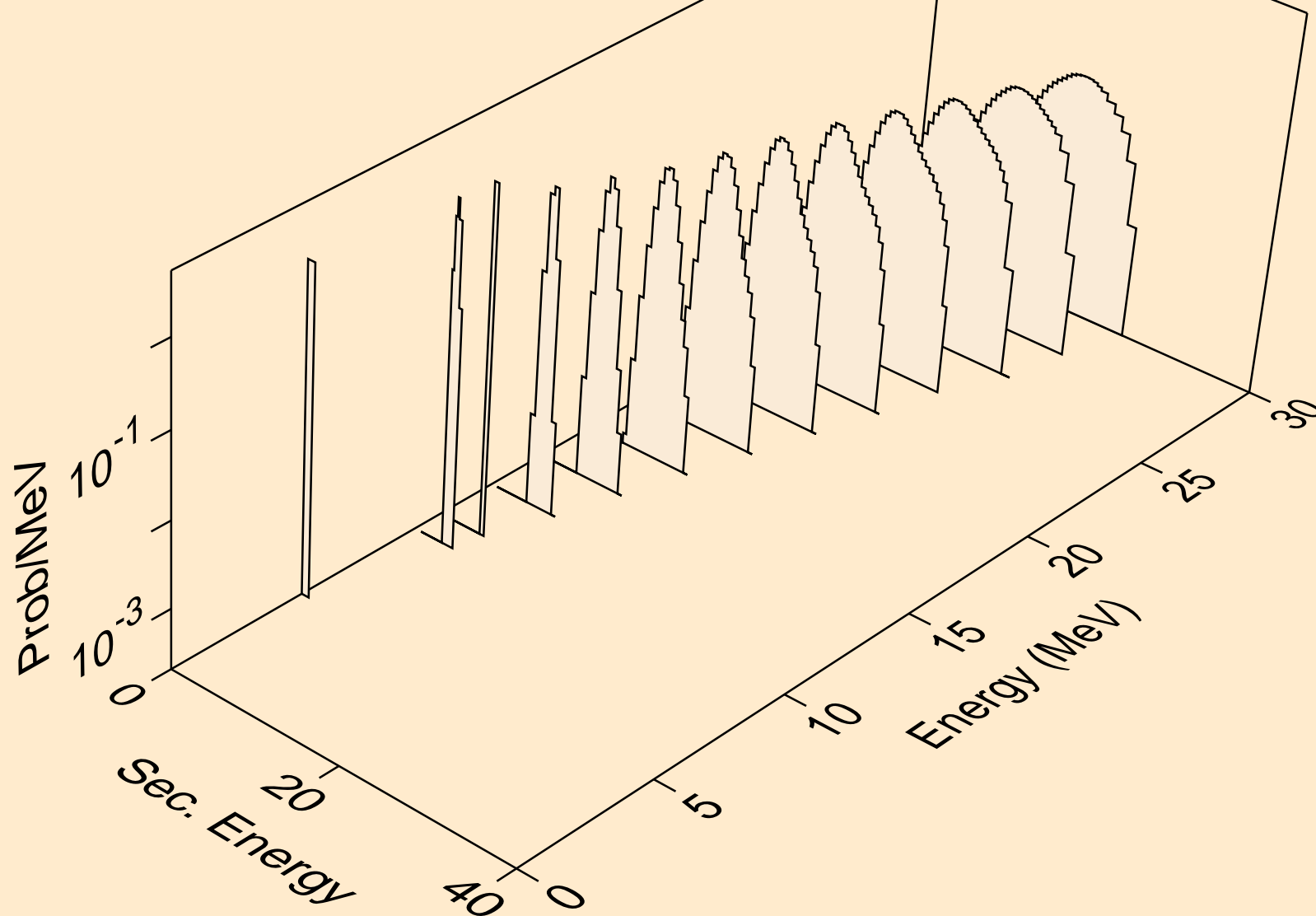


TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,n\*)p

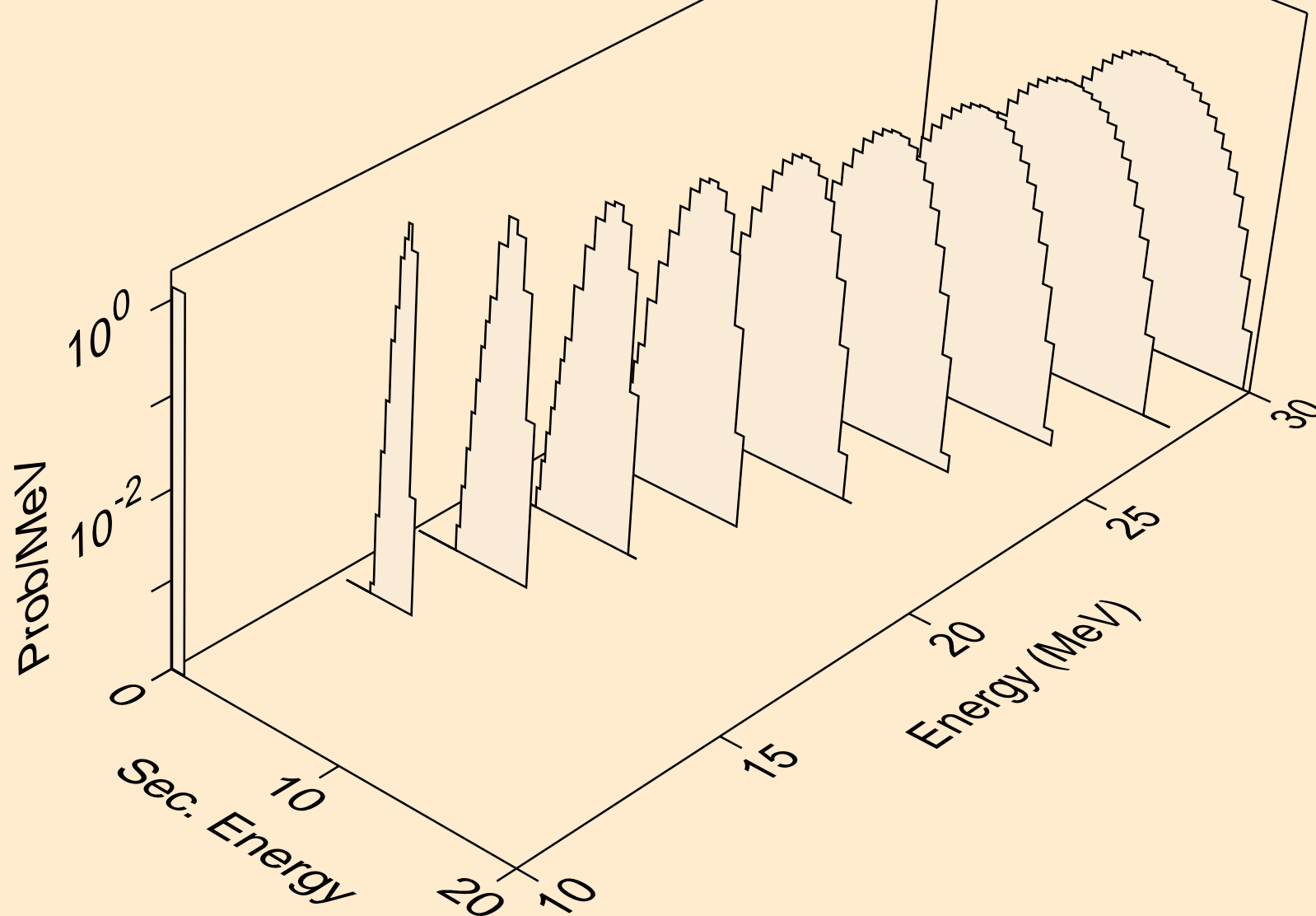




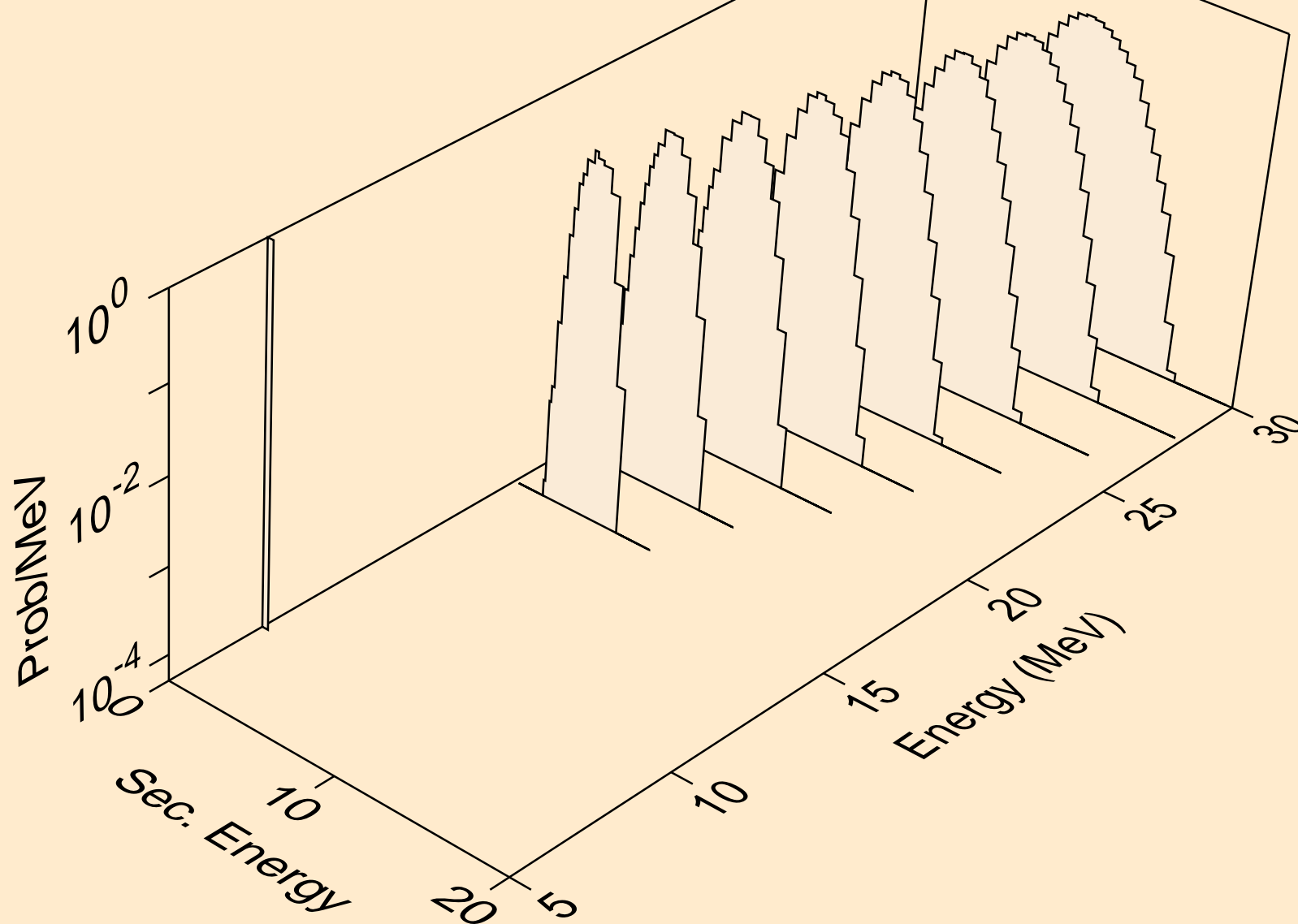
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protons from (s,2np)



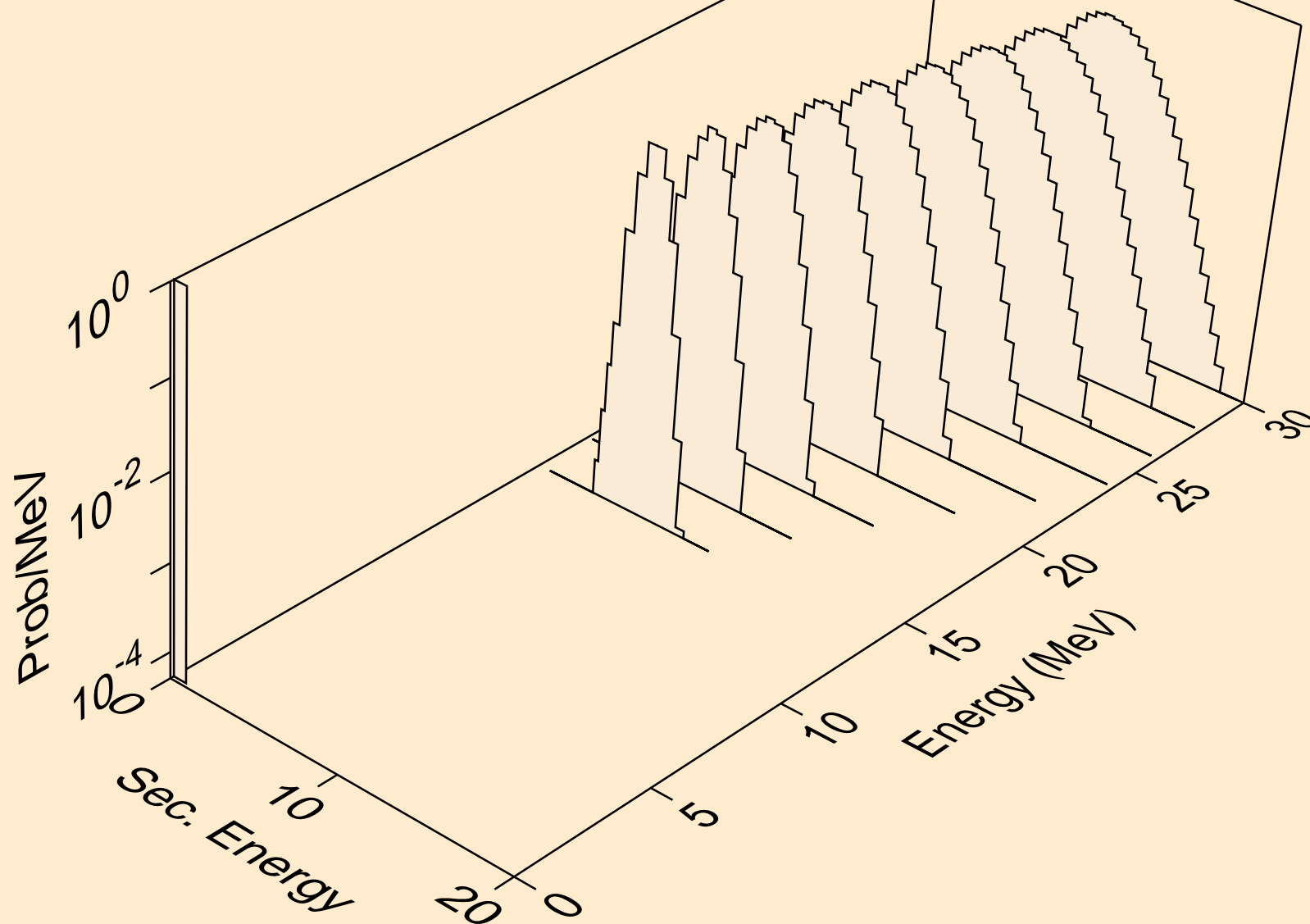
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protons from (s,3np)



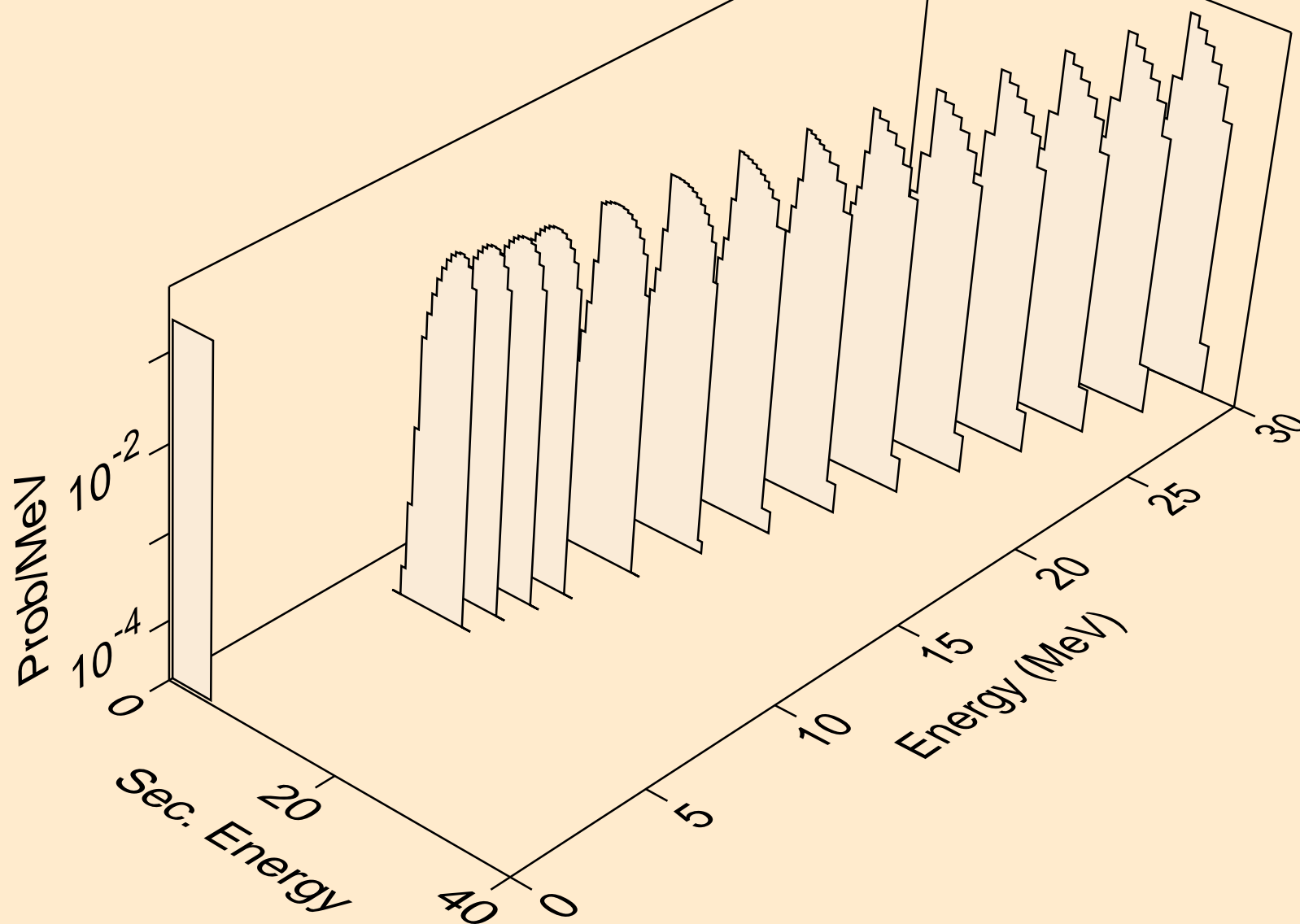
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,2np)



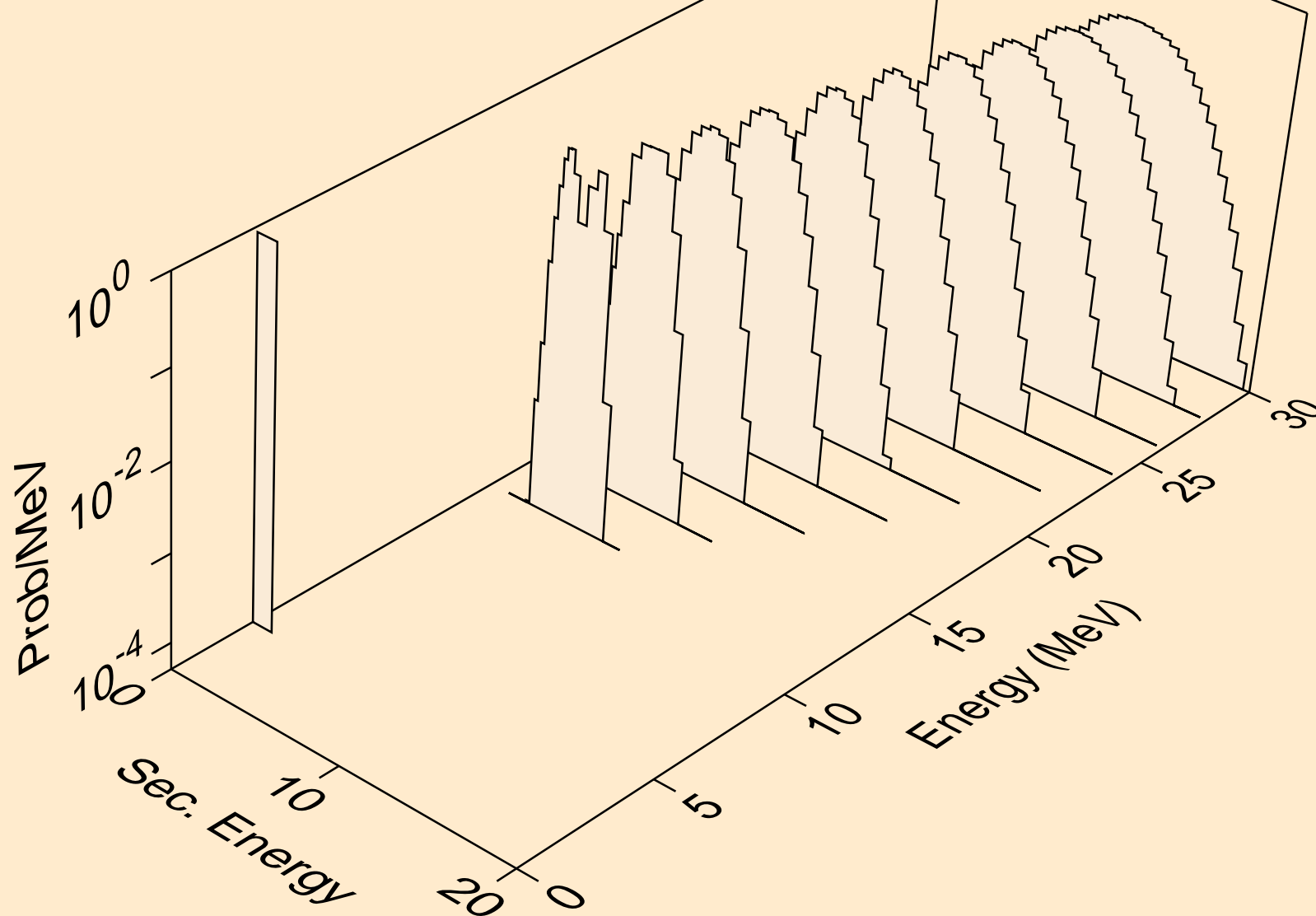
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,npa)



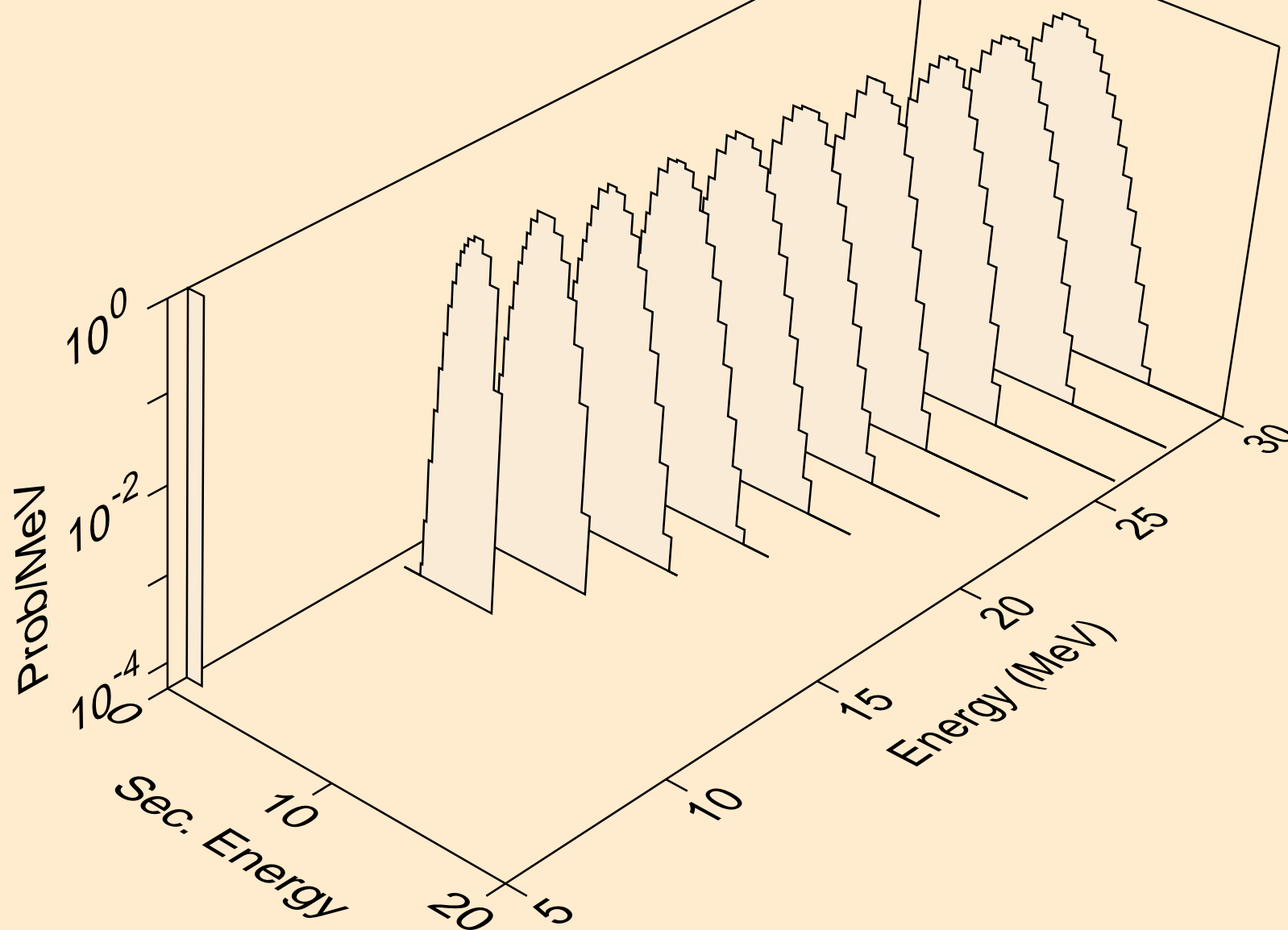
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,p)



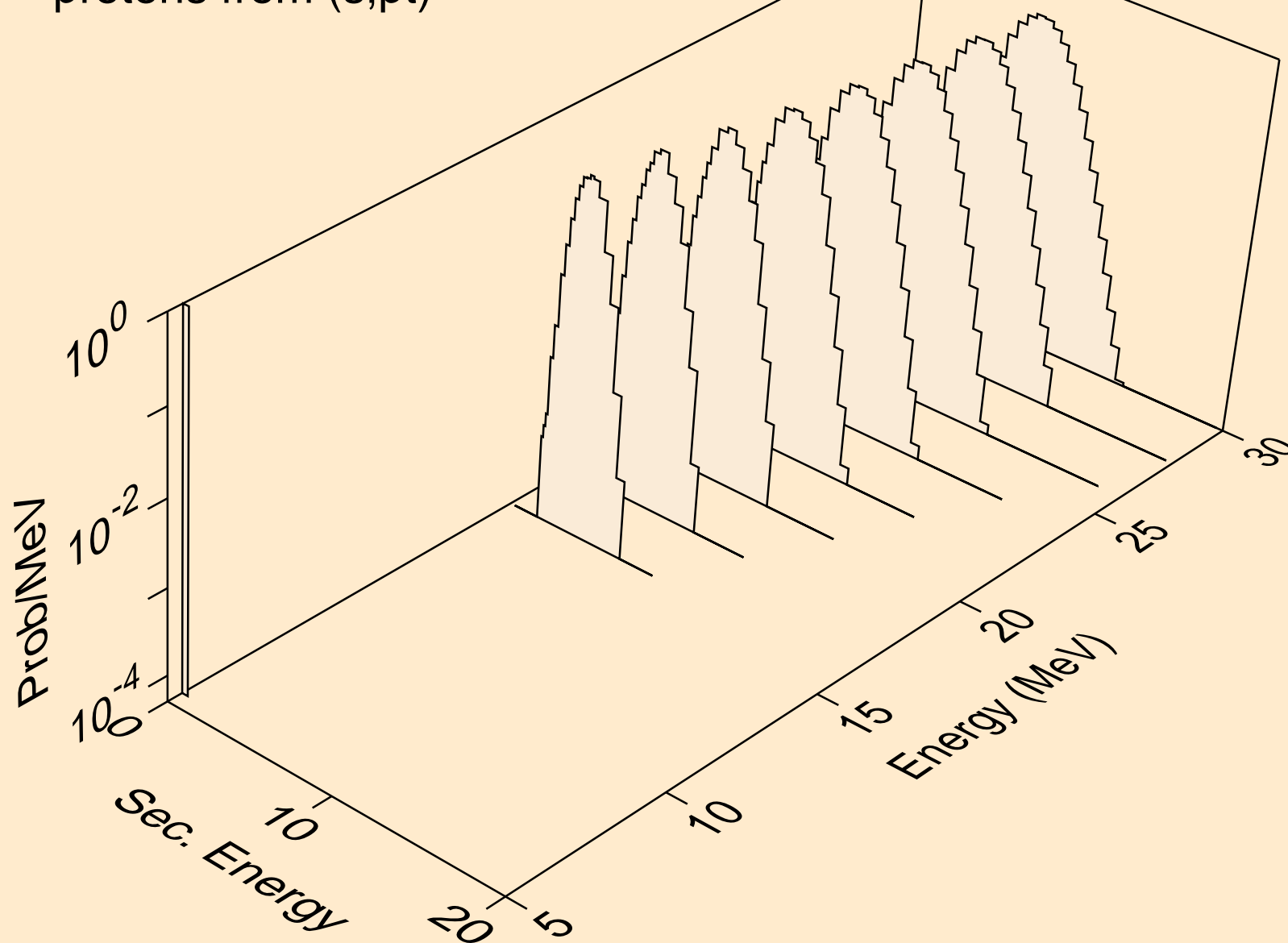
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,2p)



TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,pd)

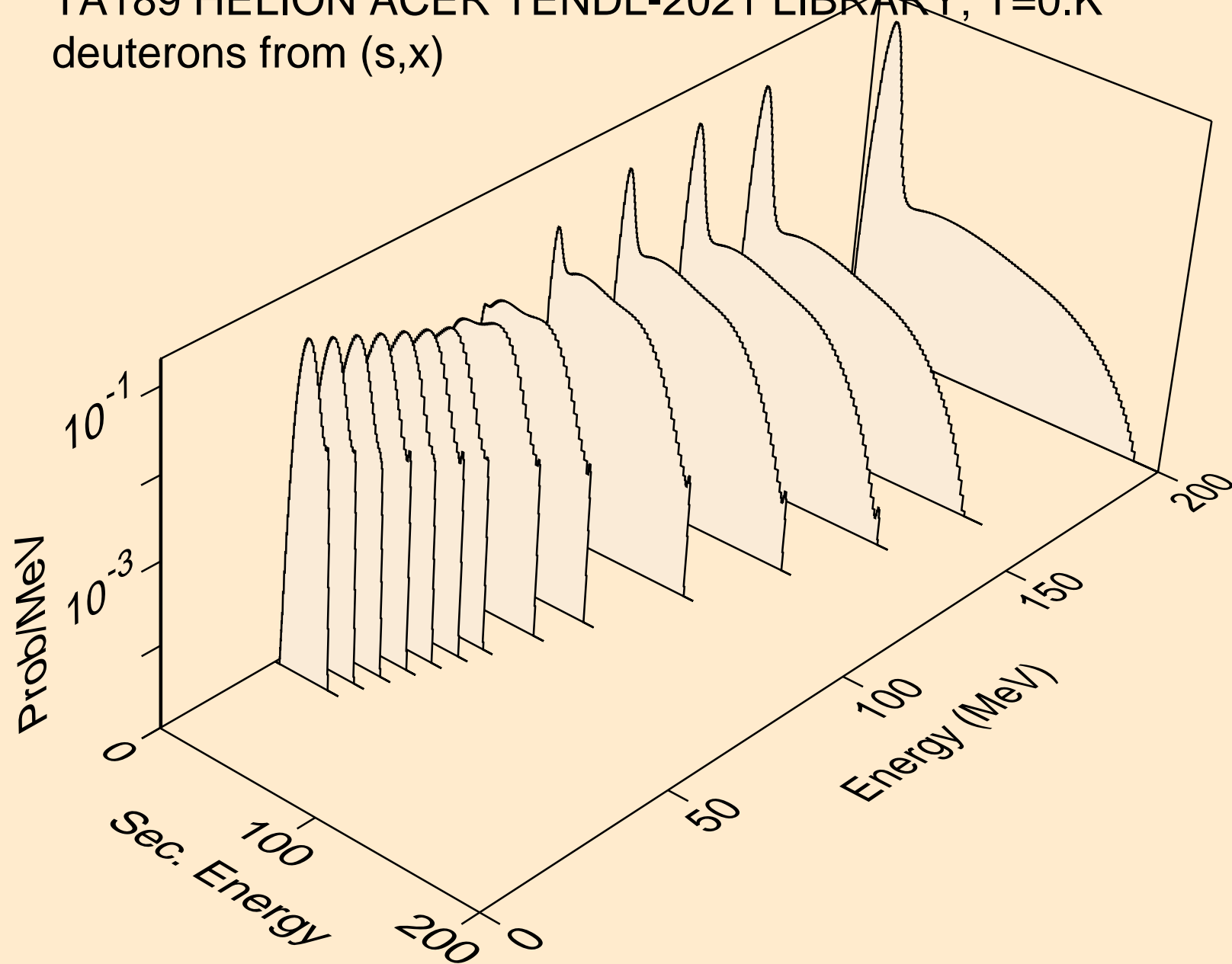


TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,pt)

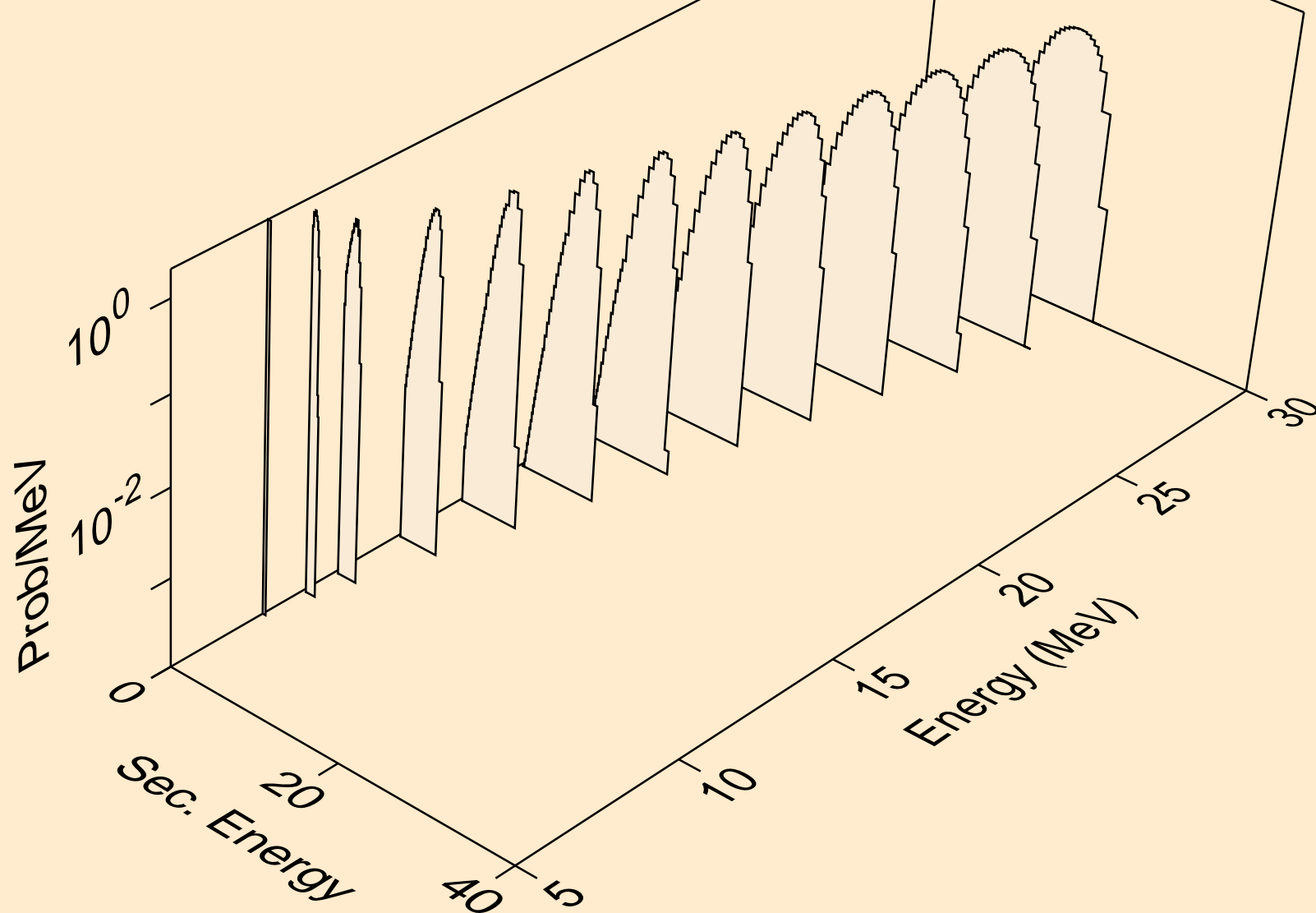




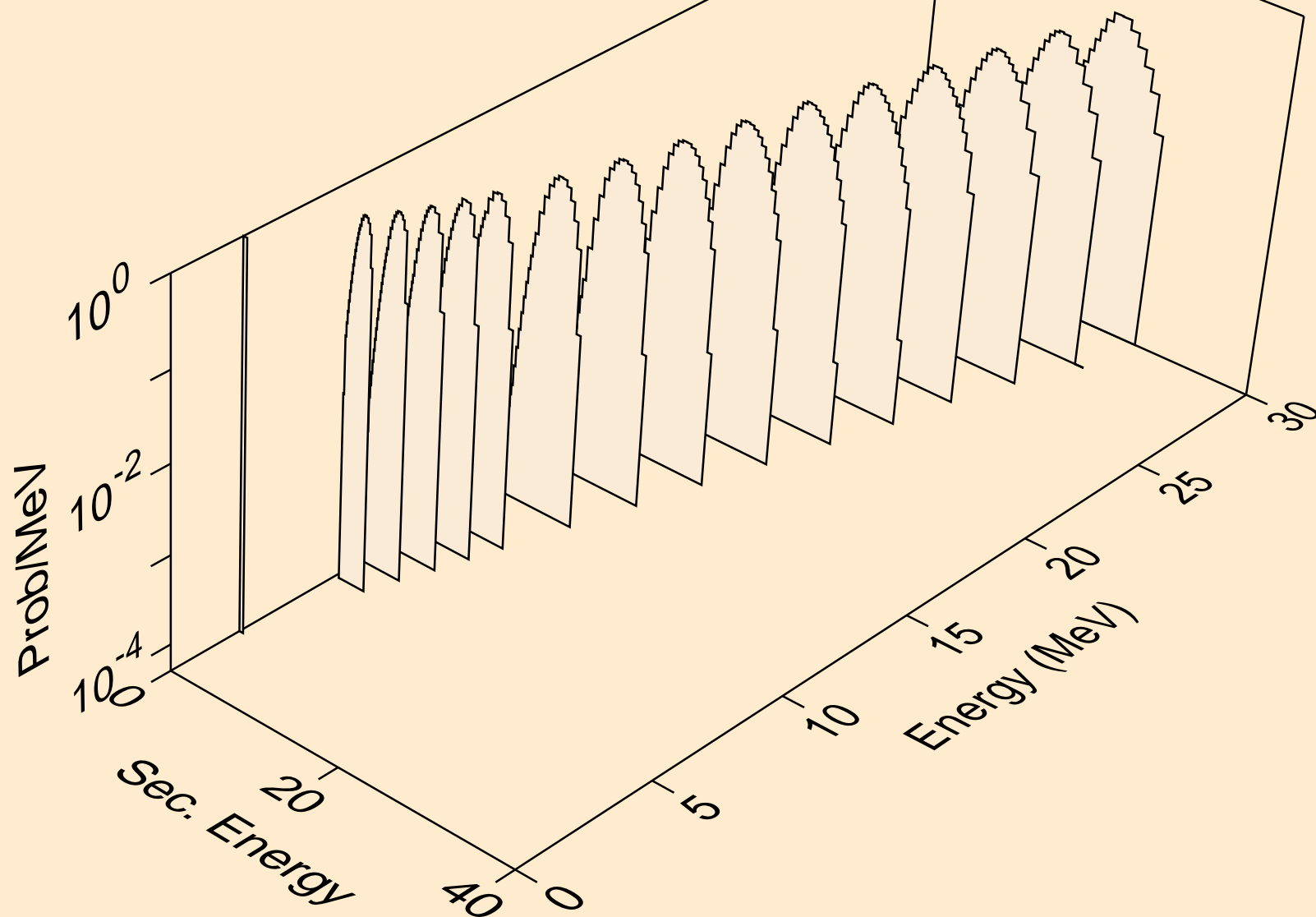
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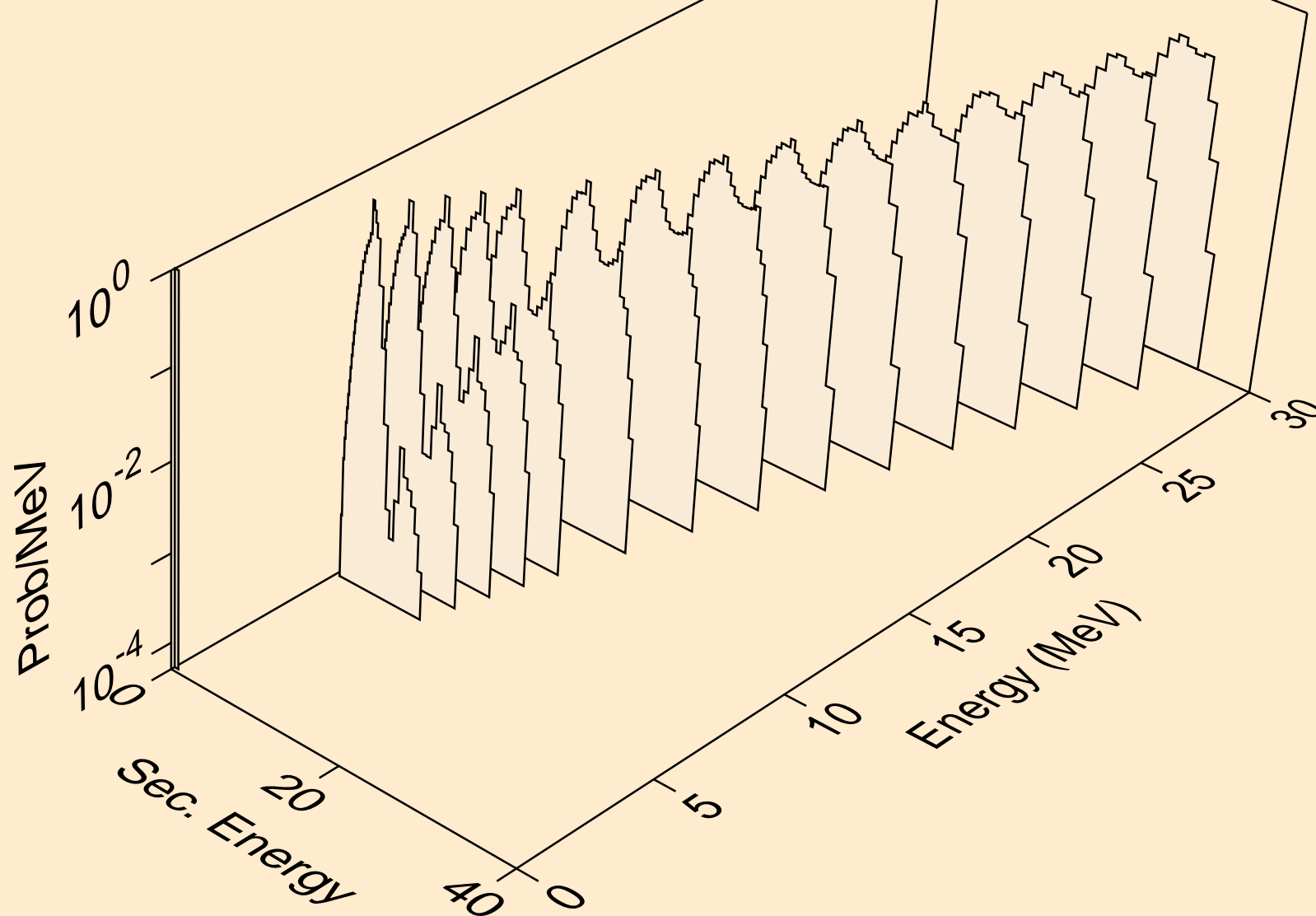
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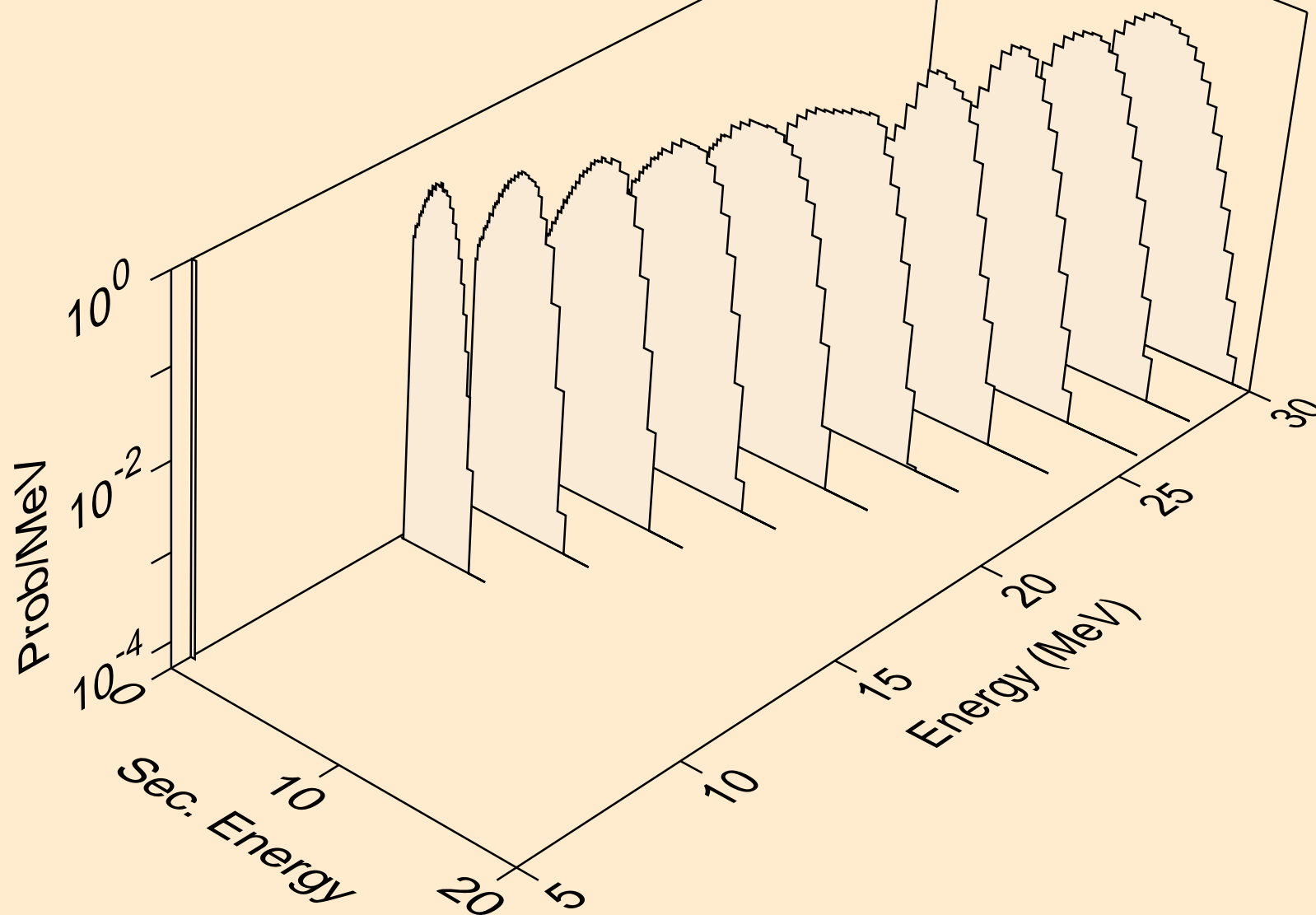
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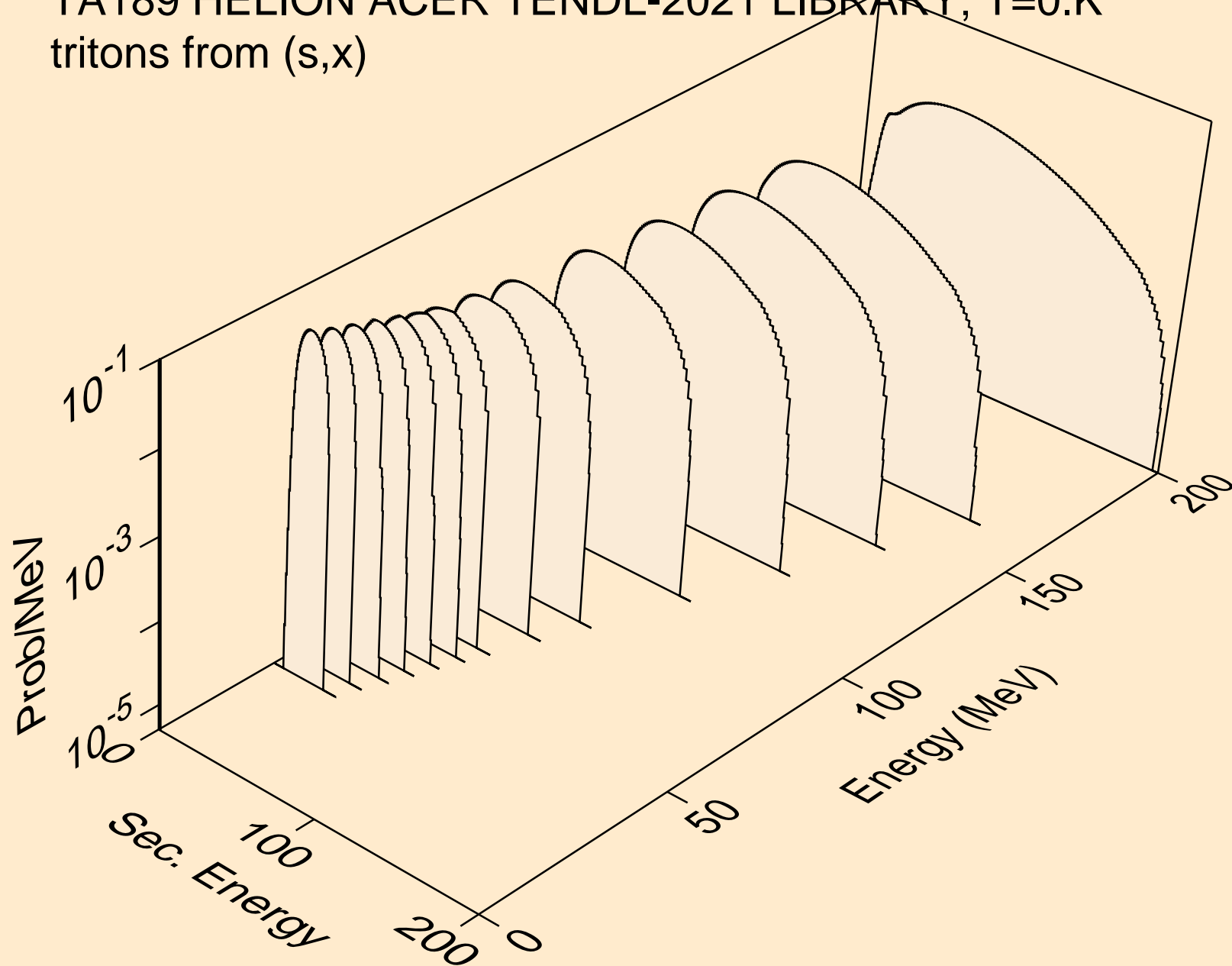
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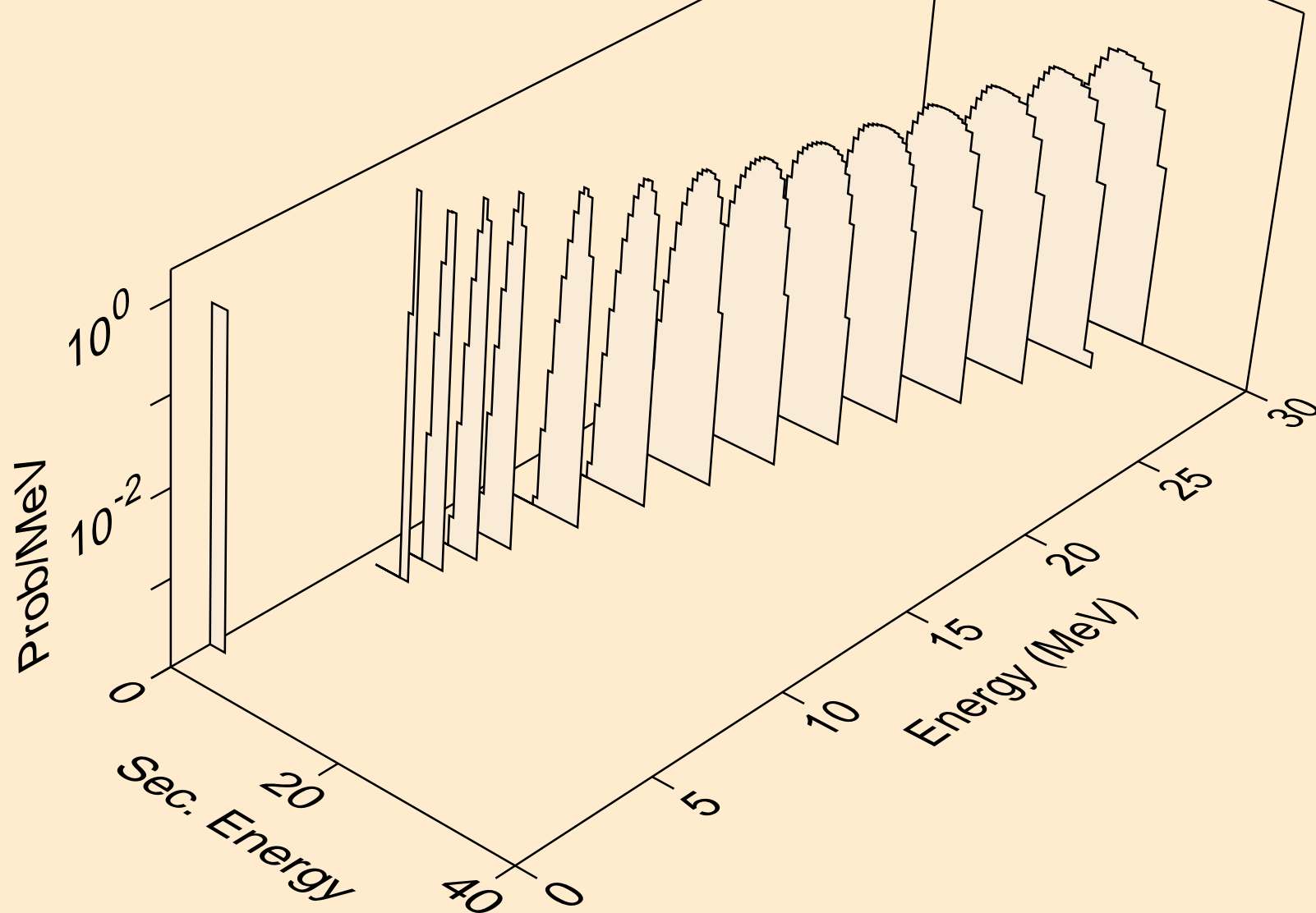
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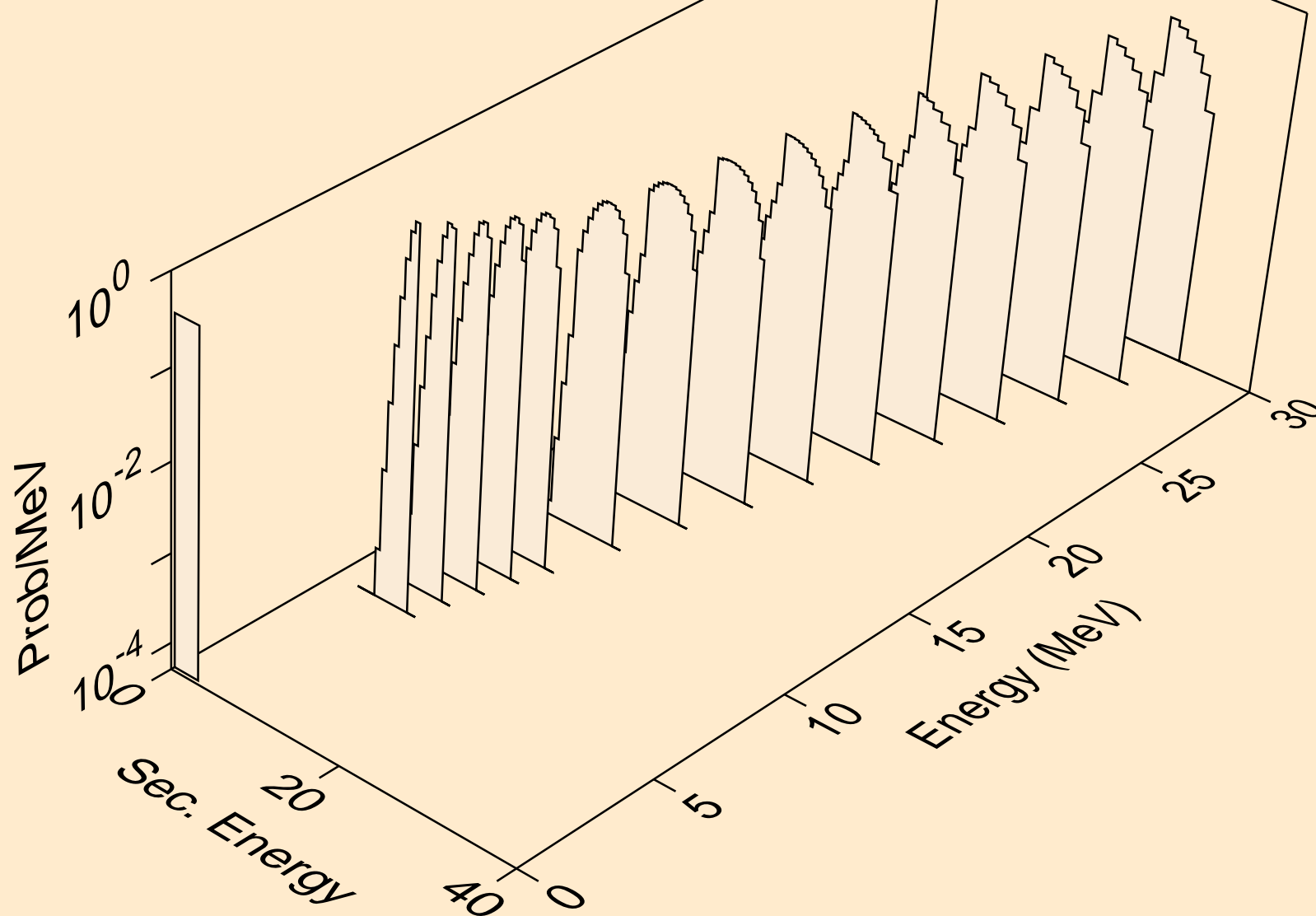
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,x)



TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,n\*)t

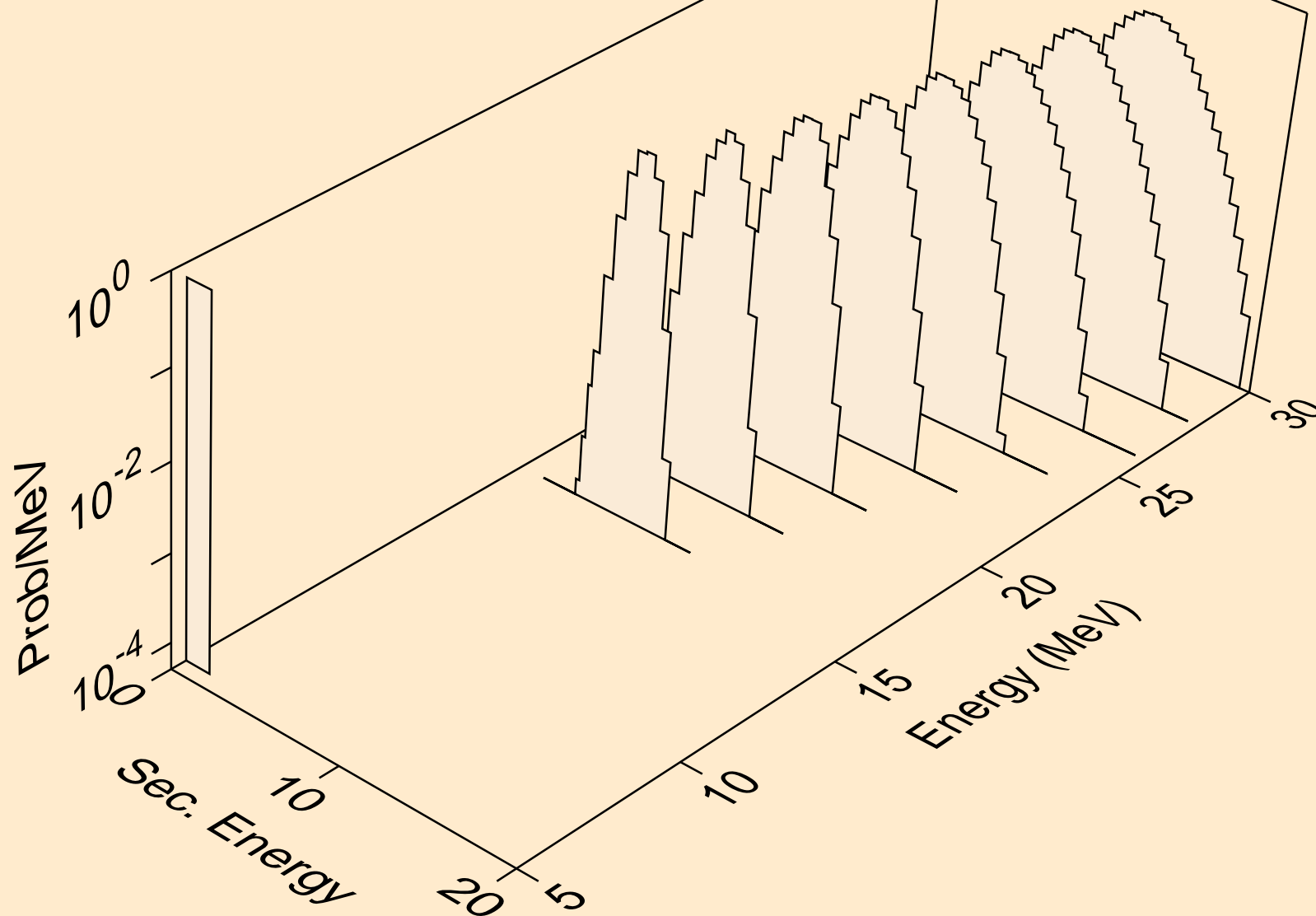


TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
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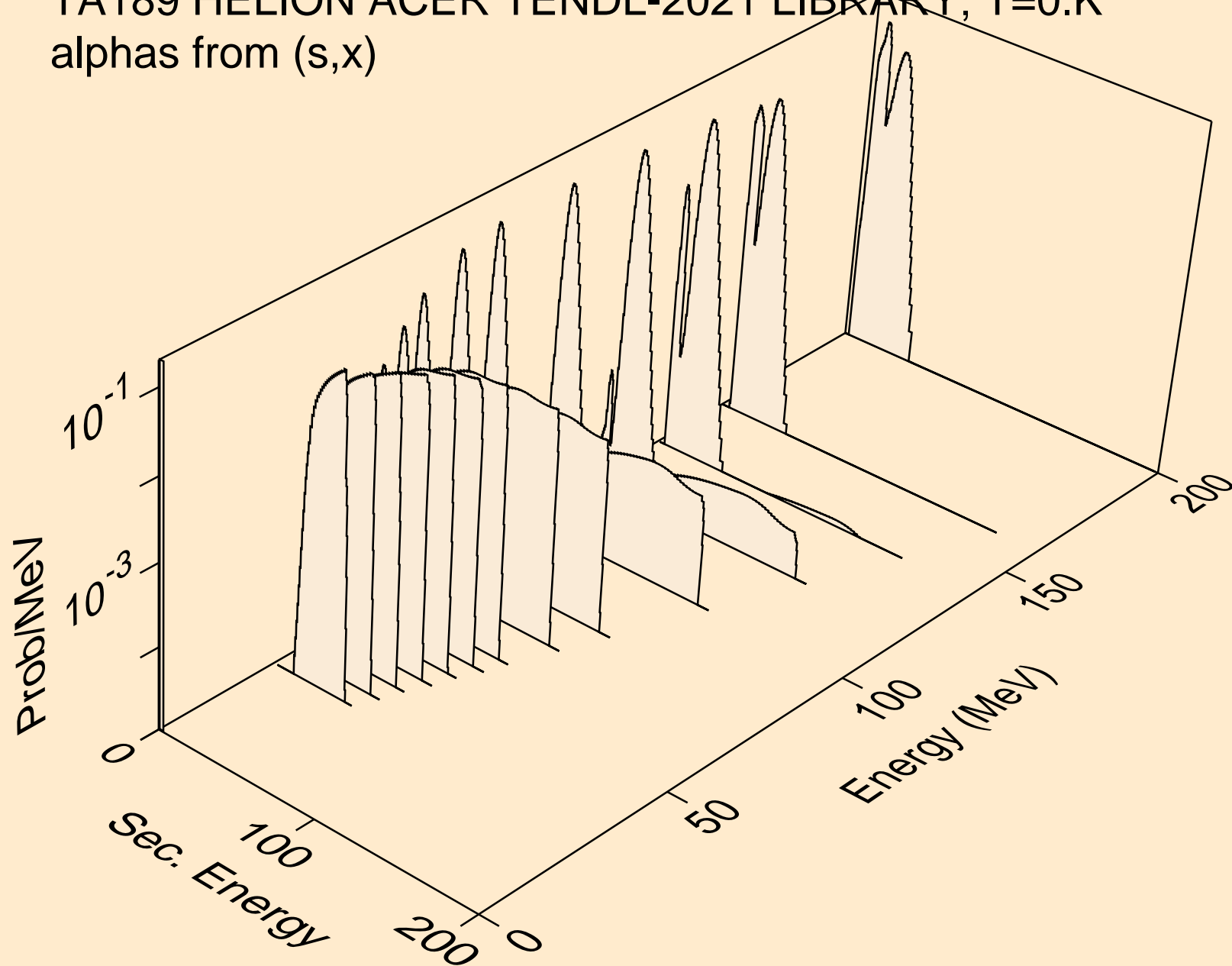




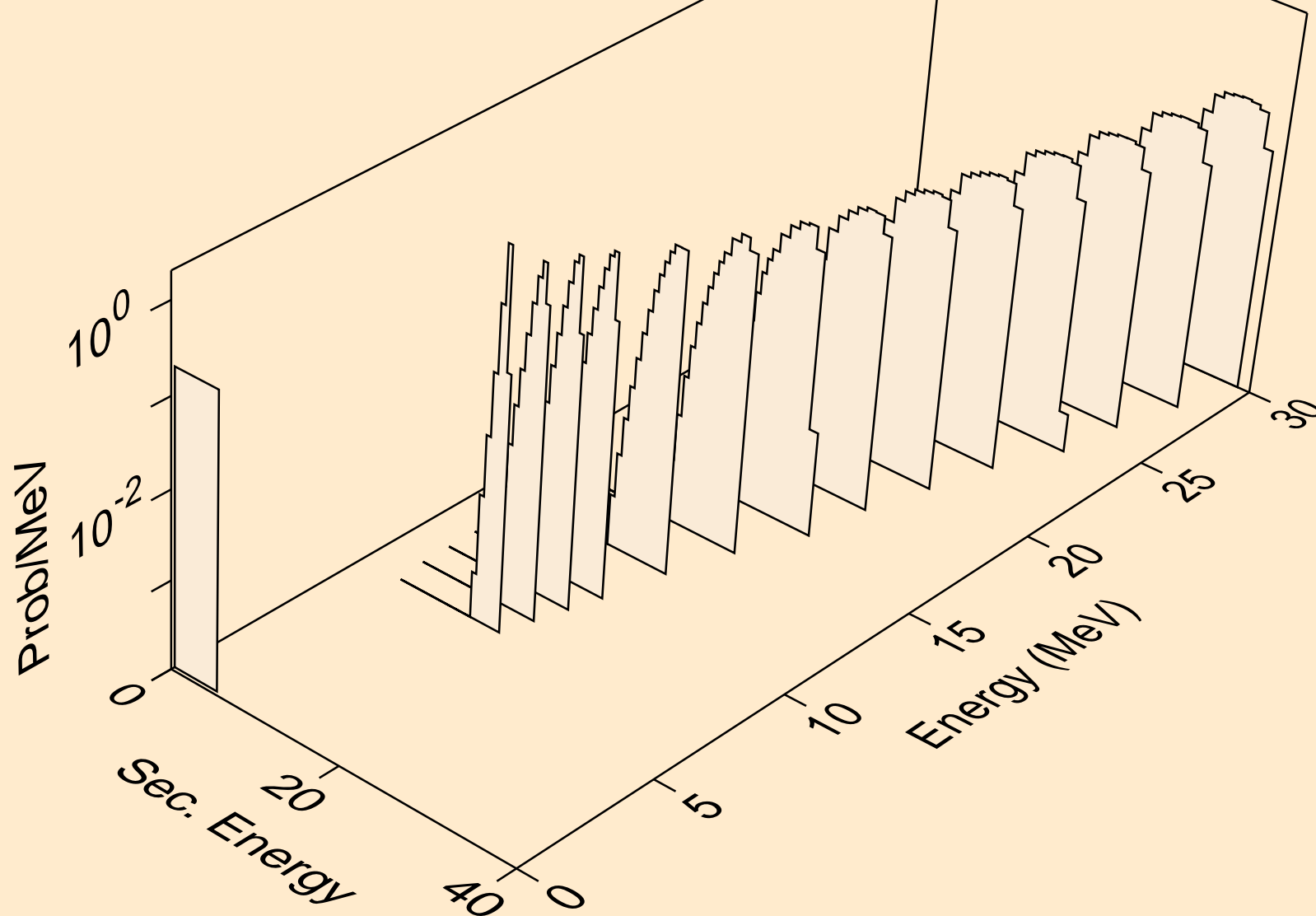
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,pt)



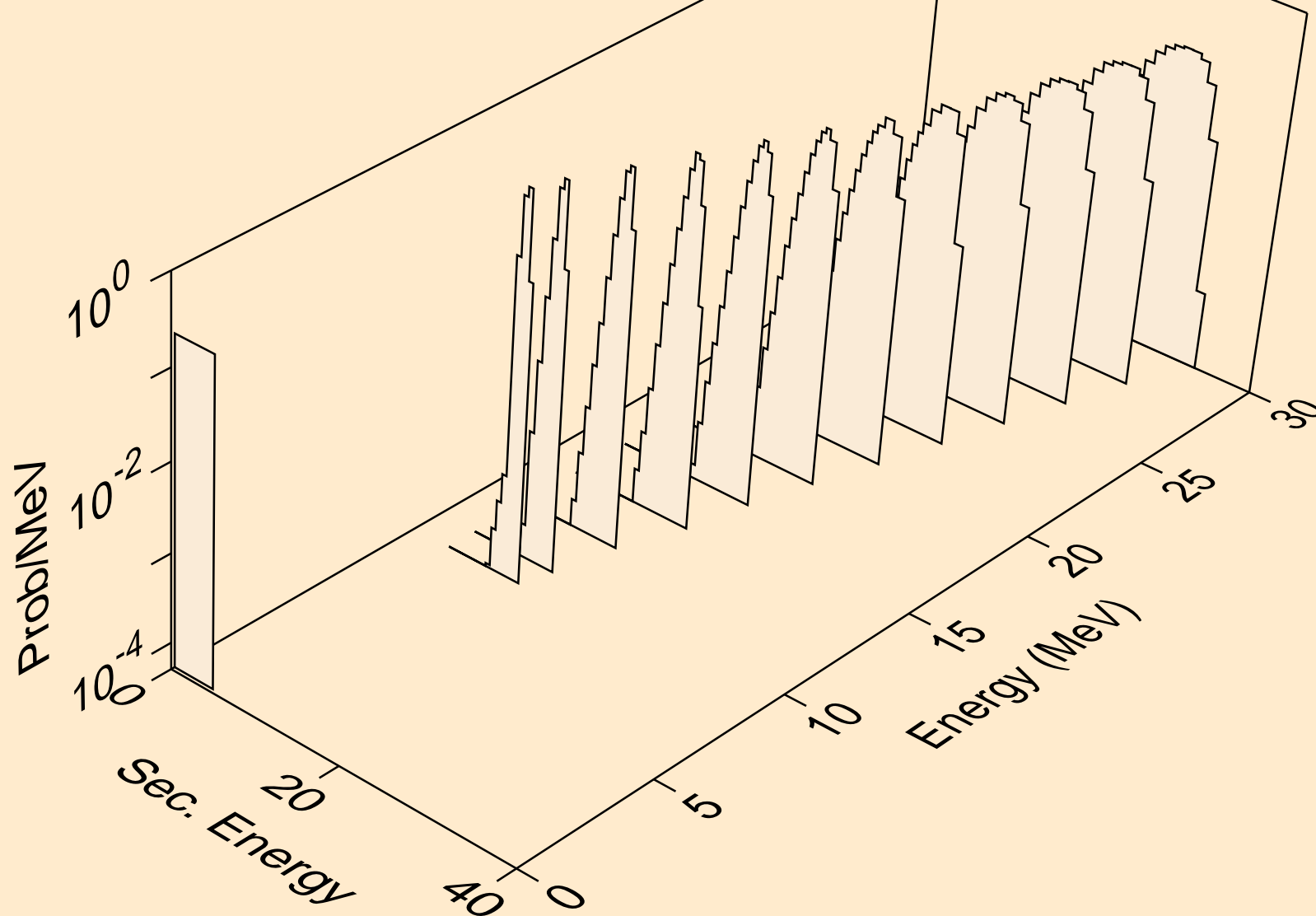
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,x)



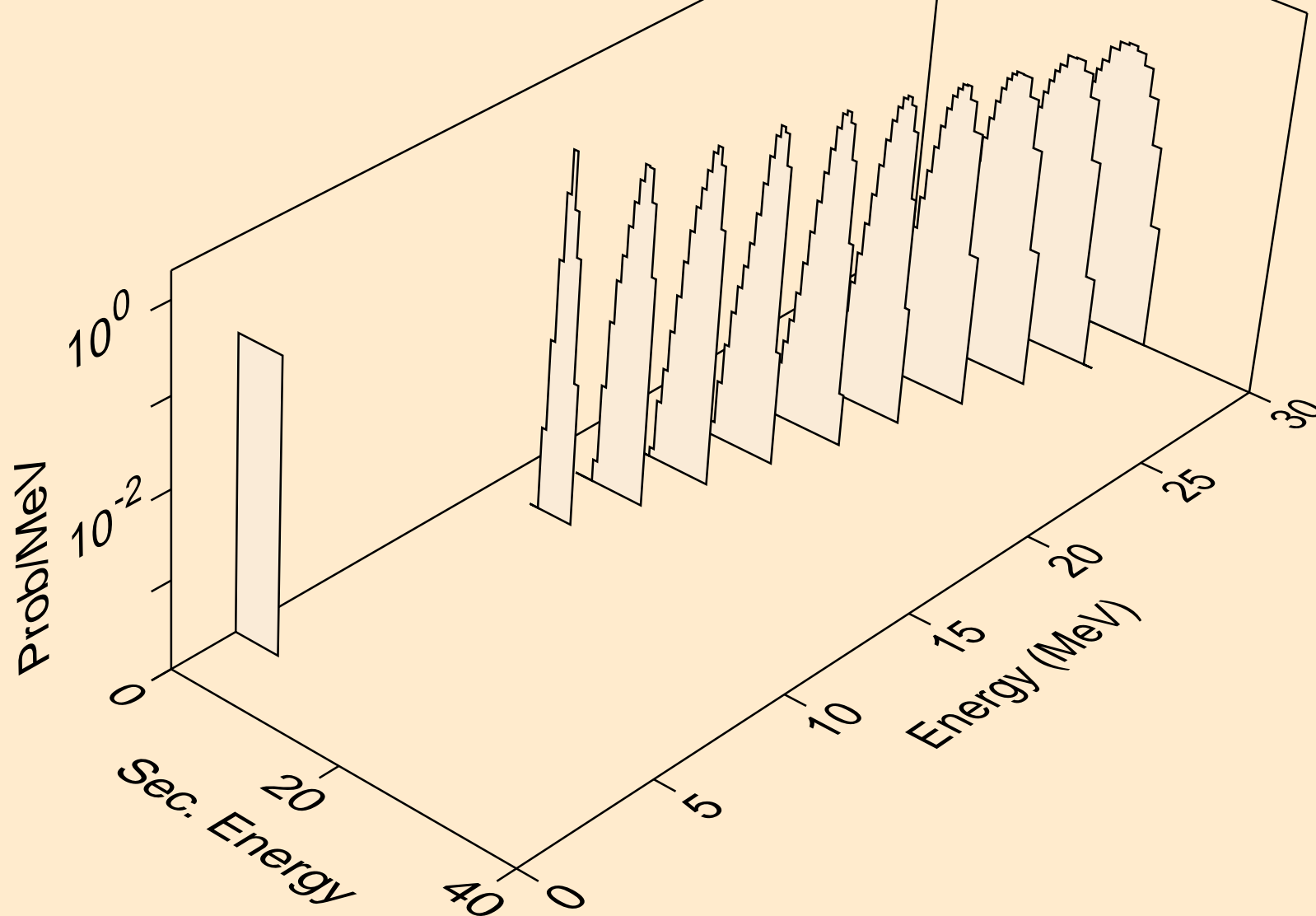
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,n\*)a



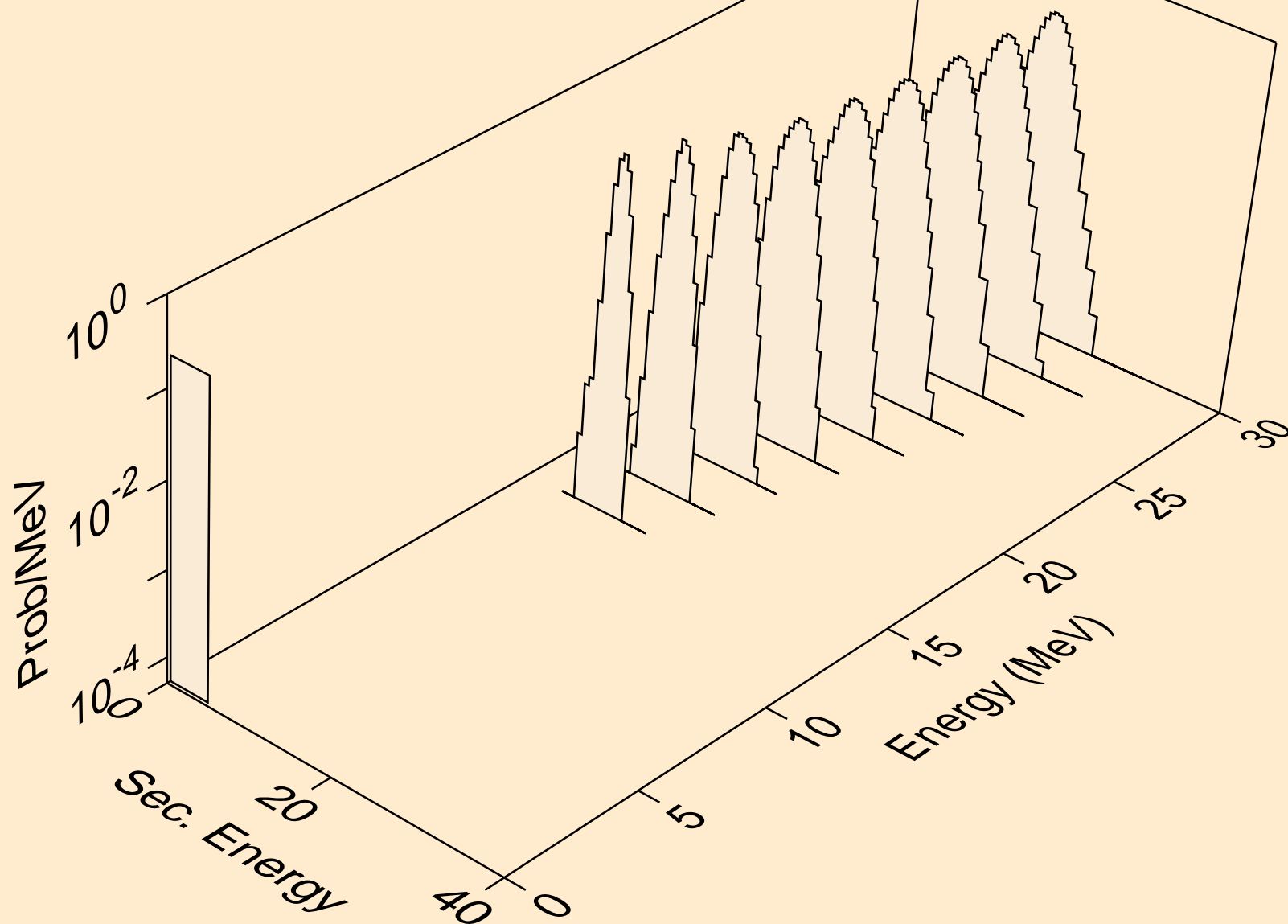
TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,2n)a



TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,3n)a



TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,npa)



TA189 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,a)

