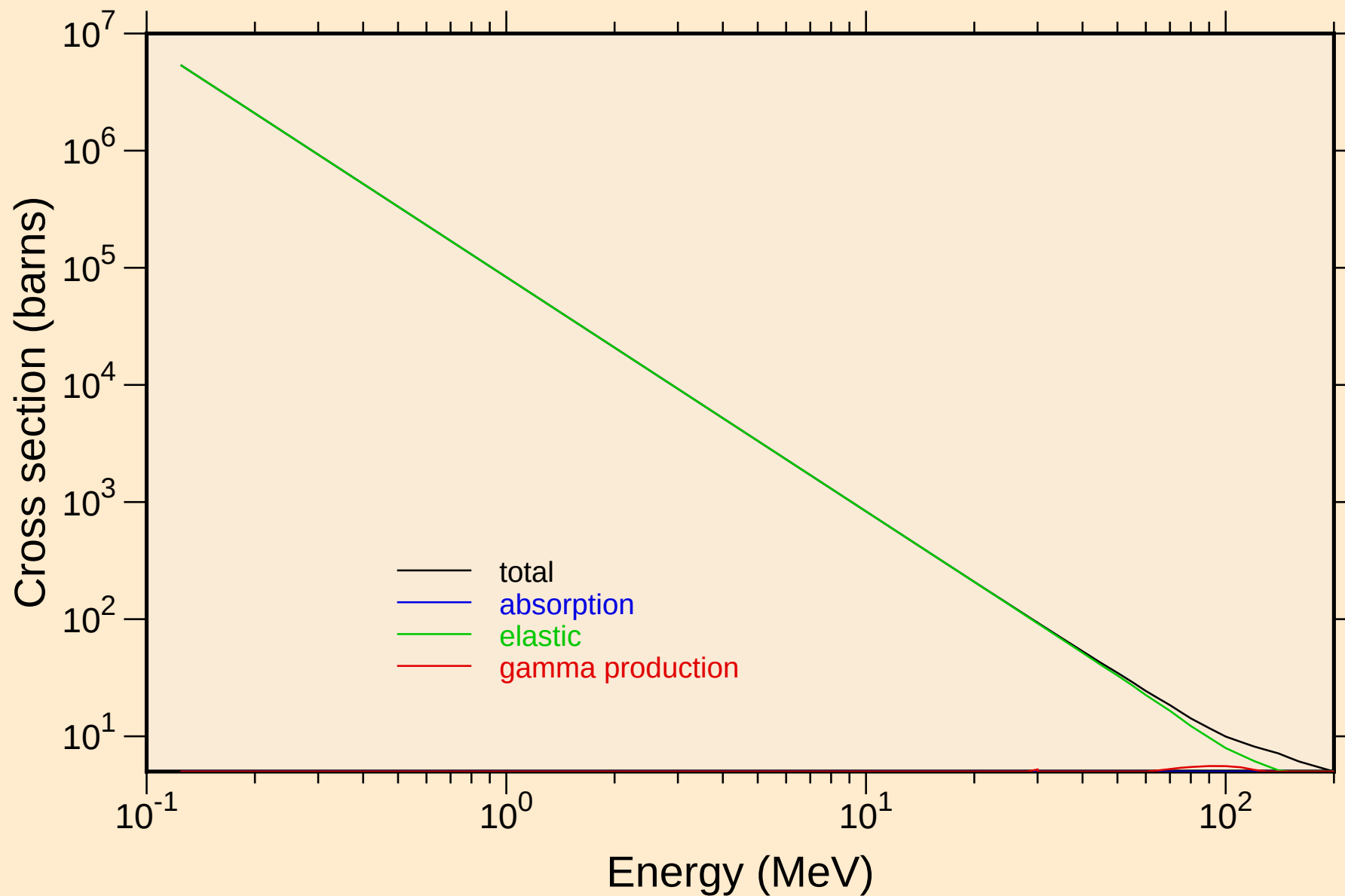


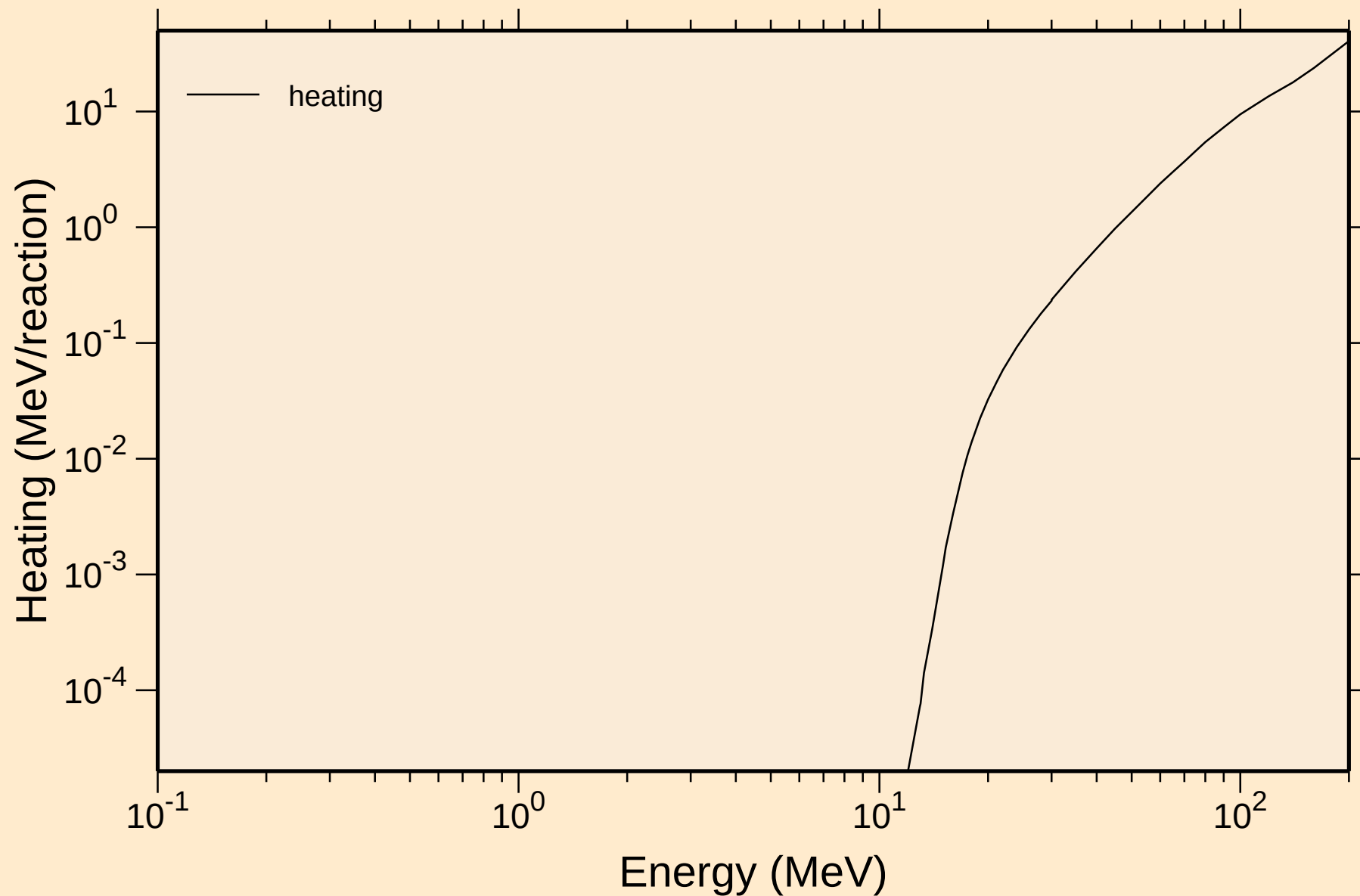
# LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



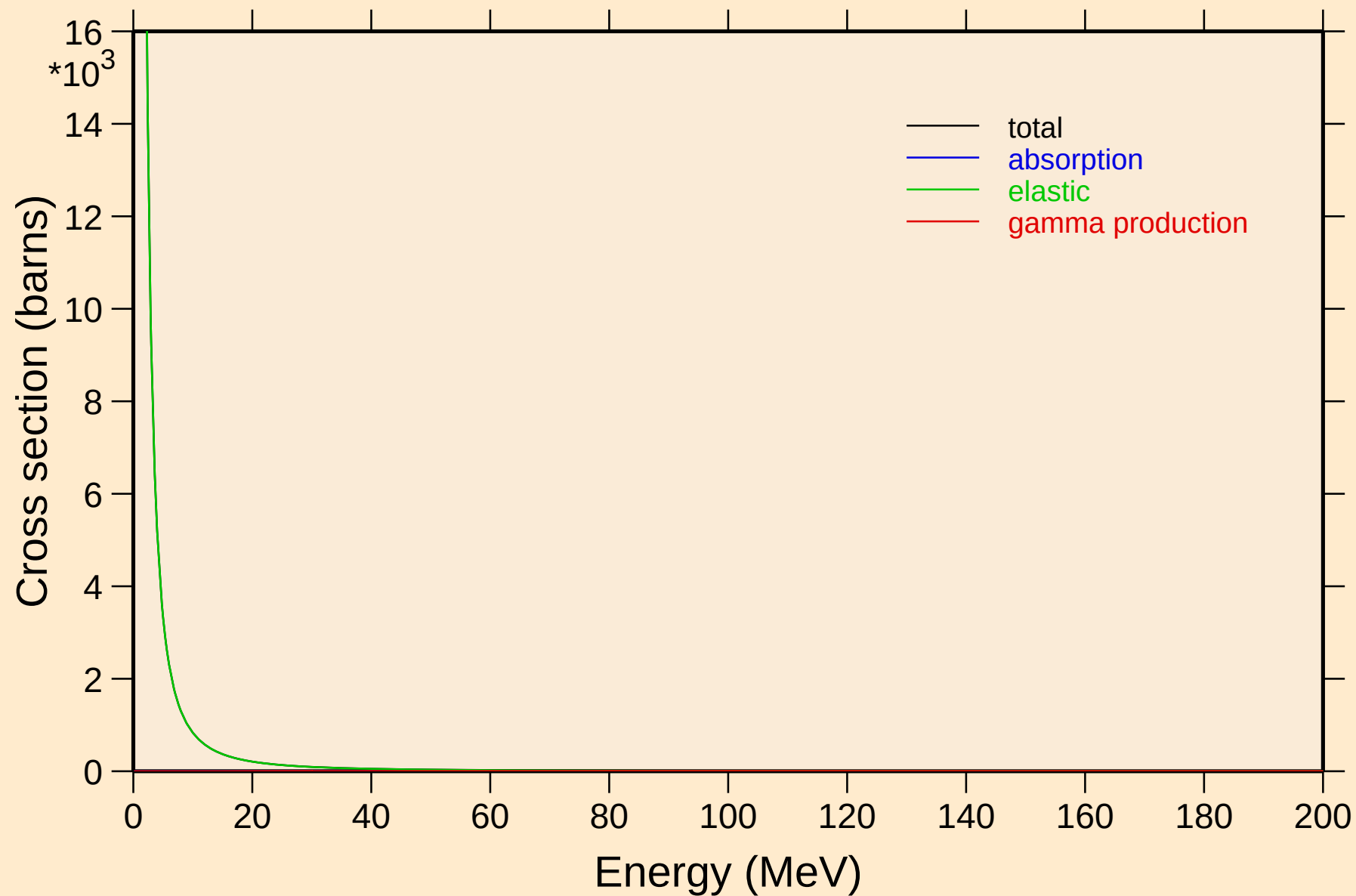
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K

Heating



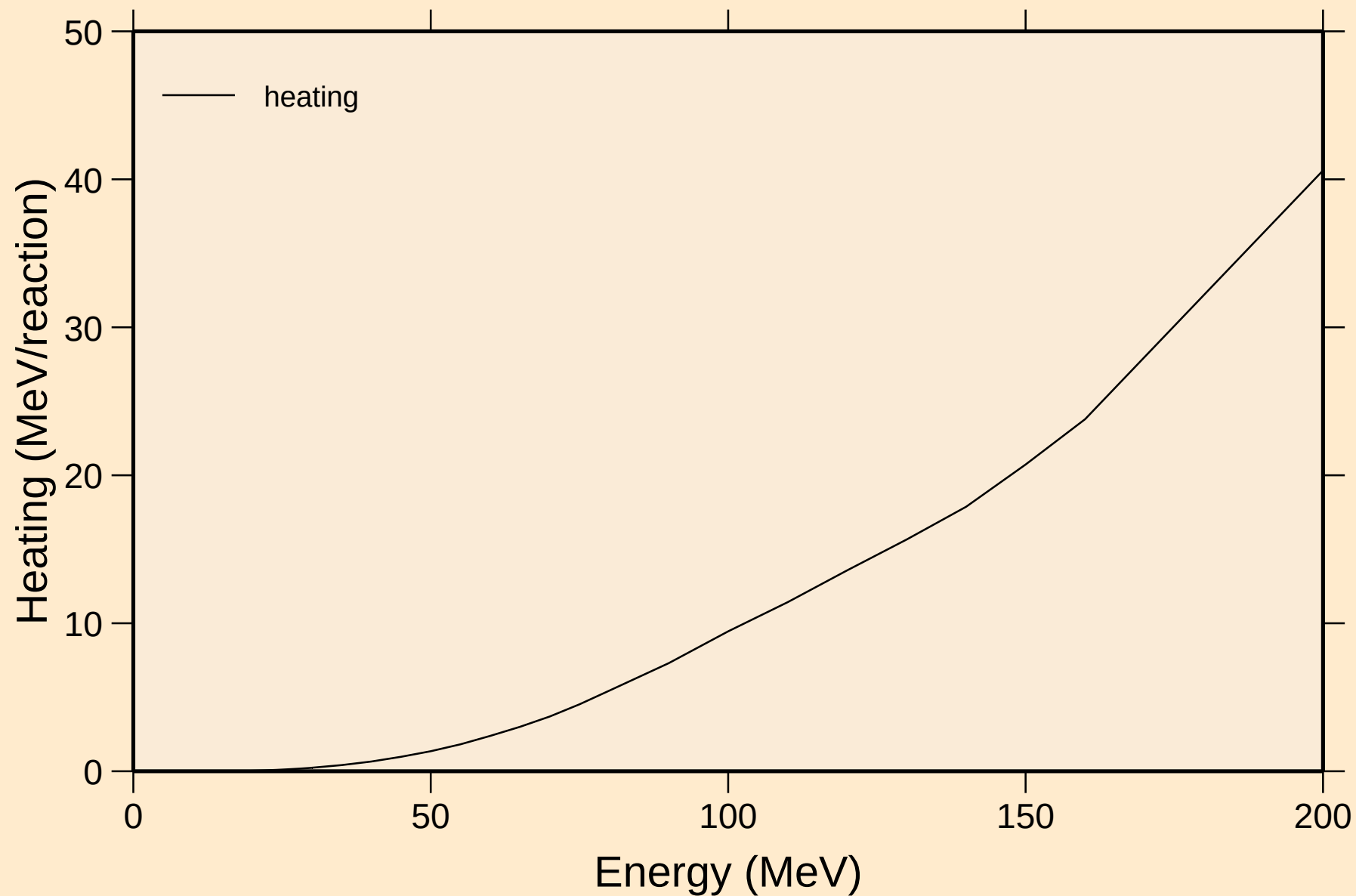
# LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



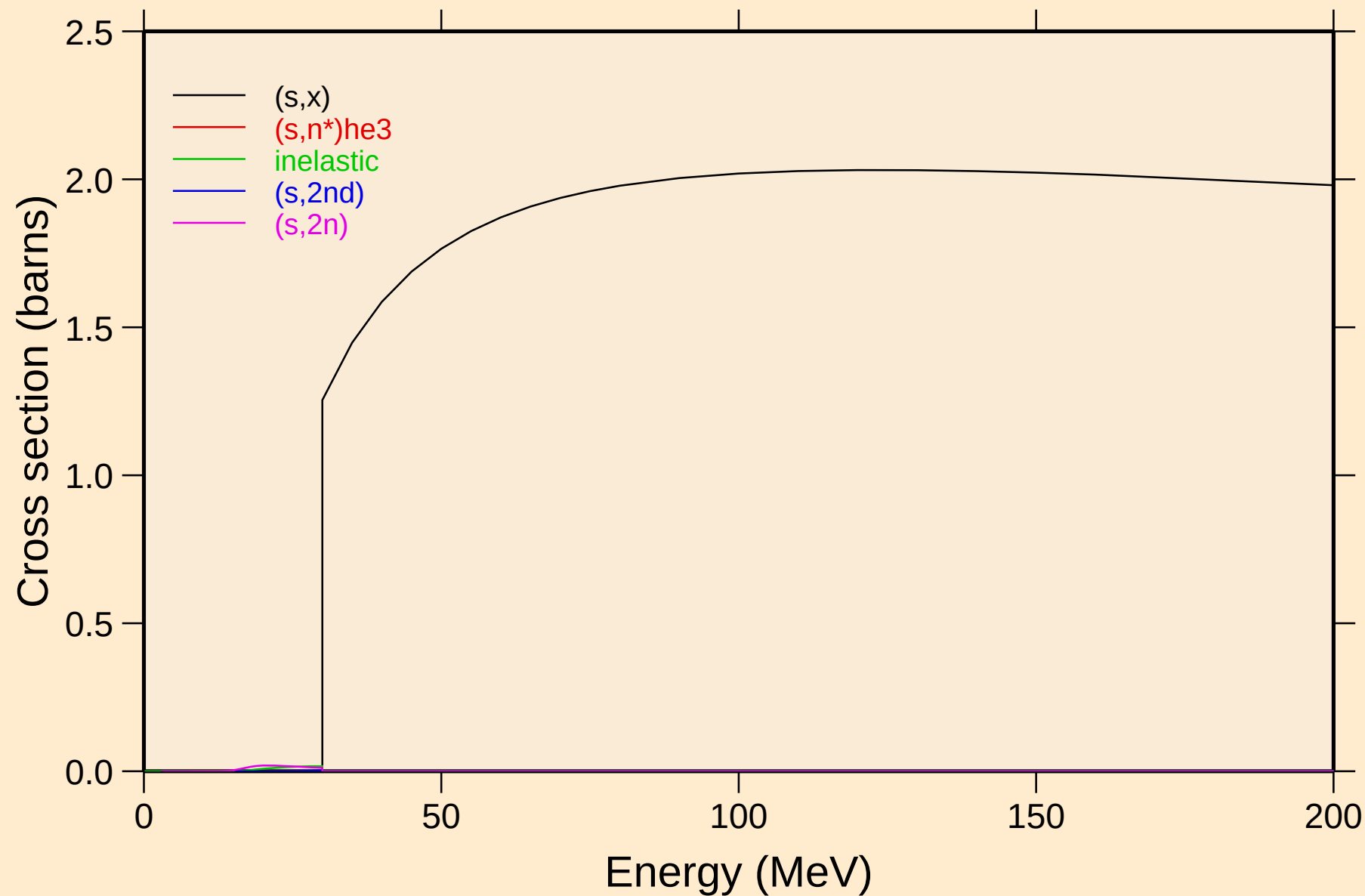
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K

Heating



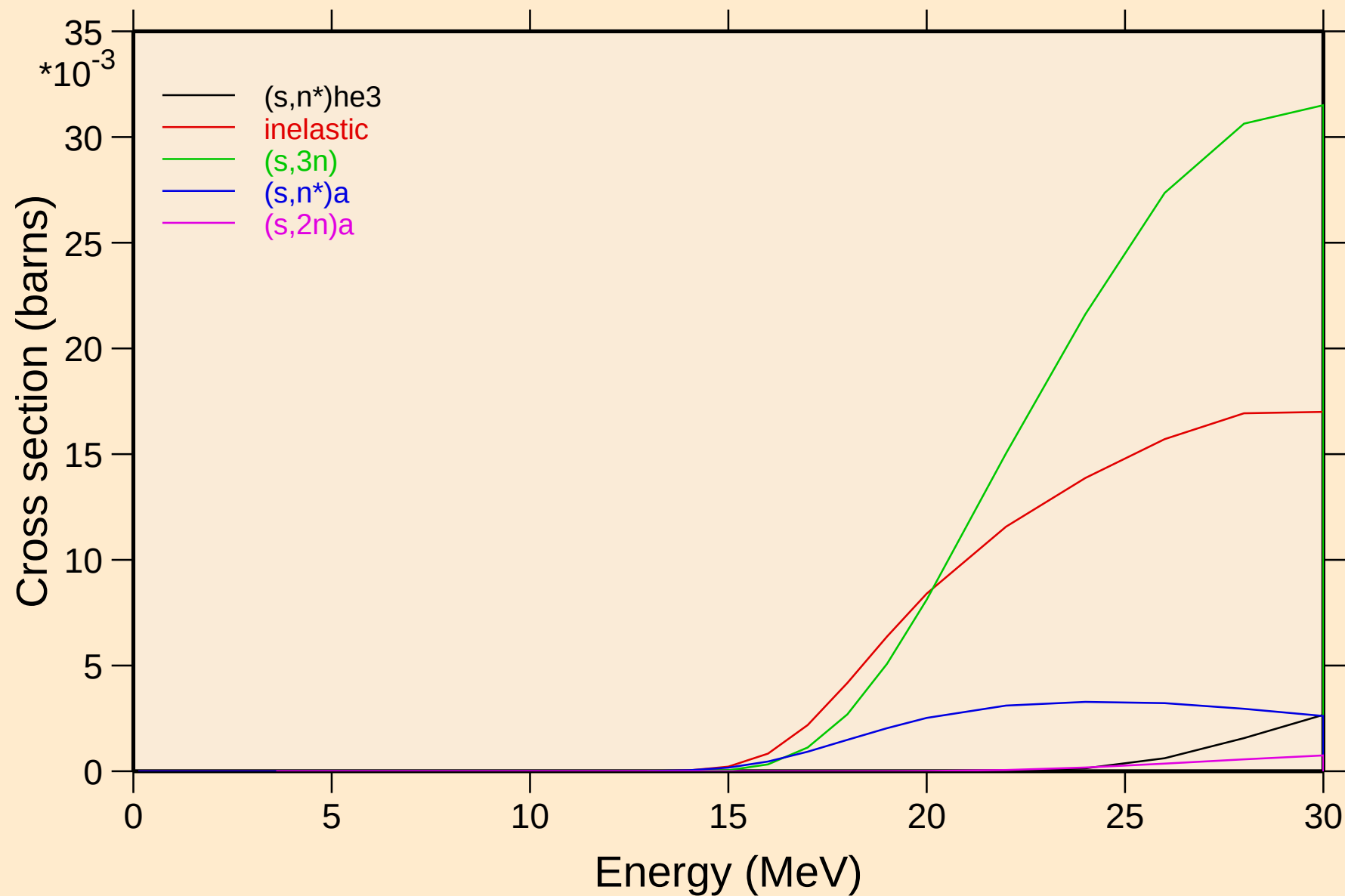
# LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



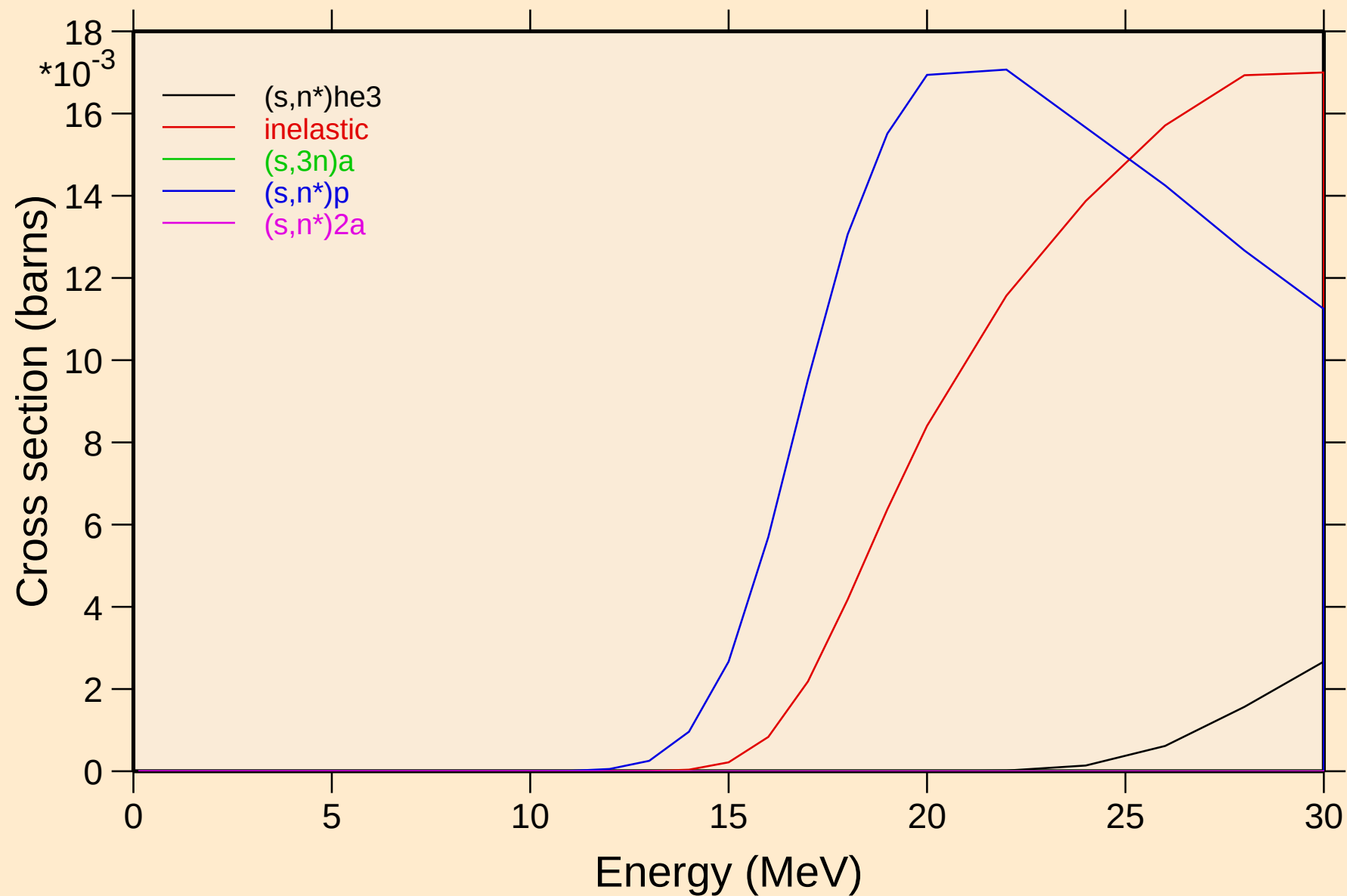
# LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

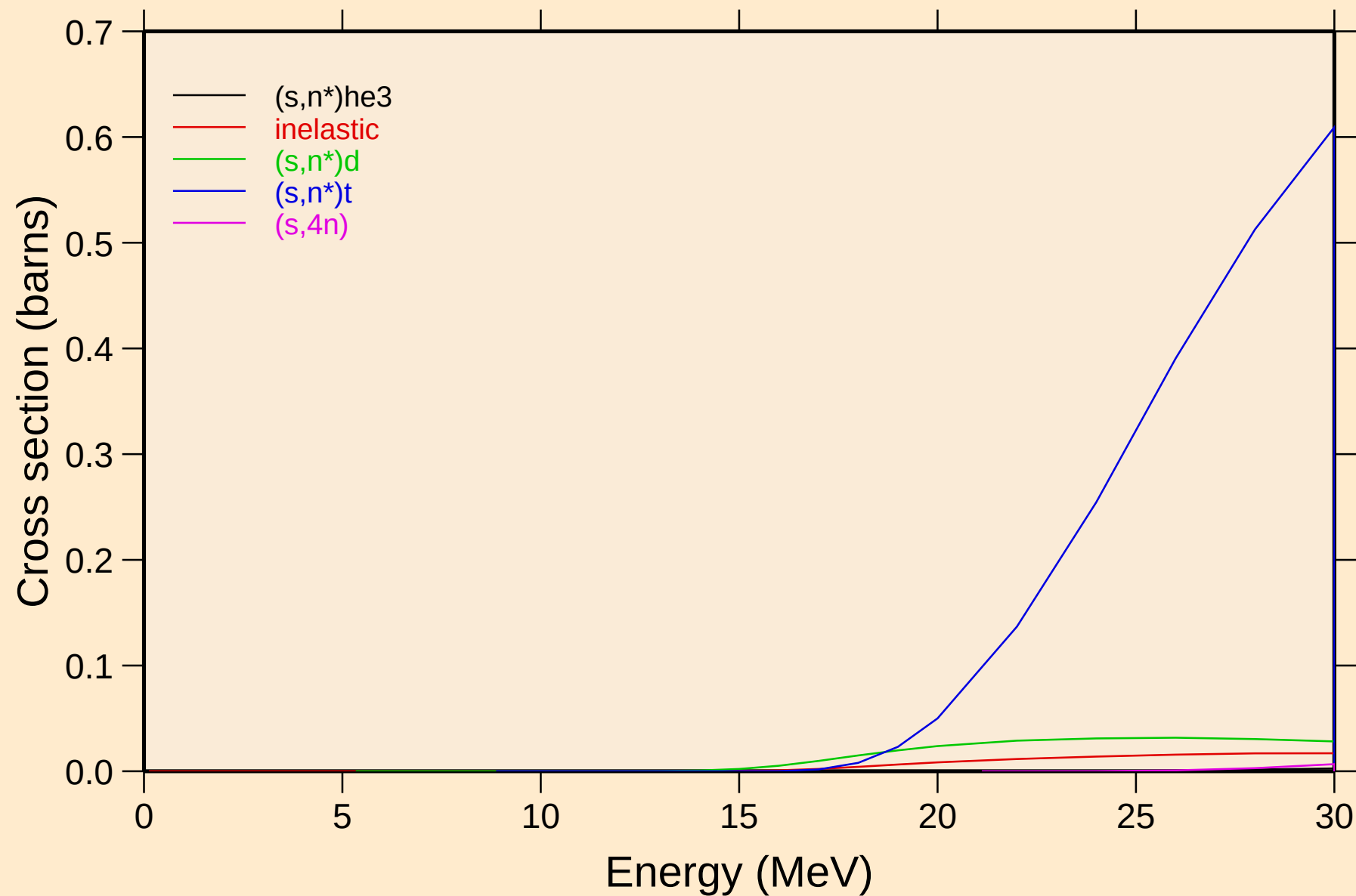


# LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



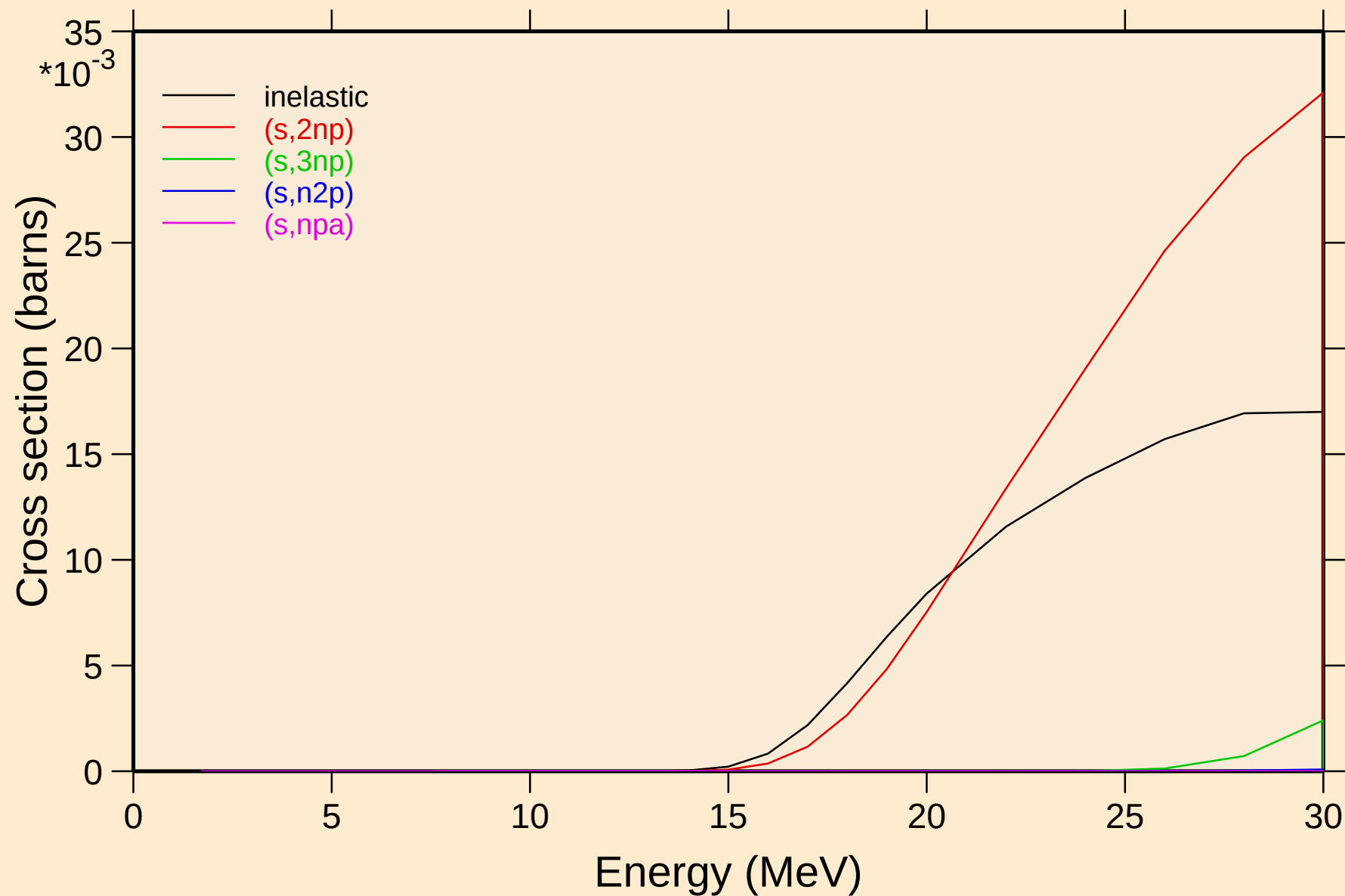
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



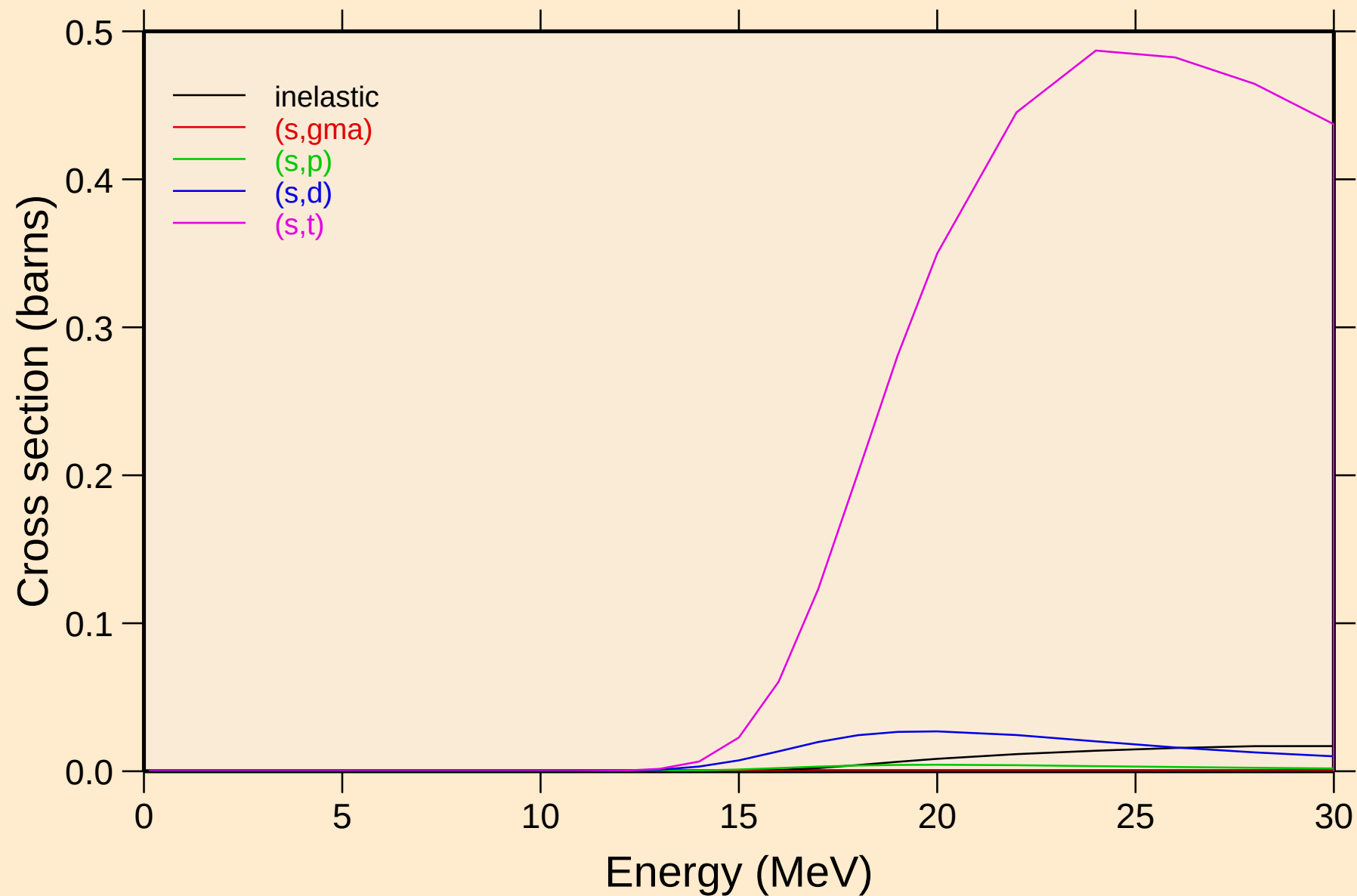


# LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

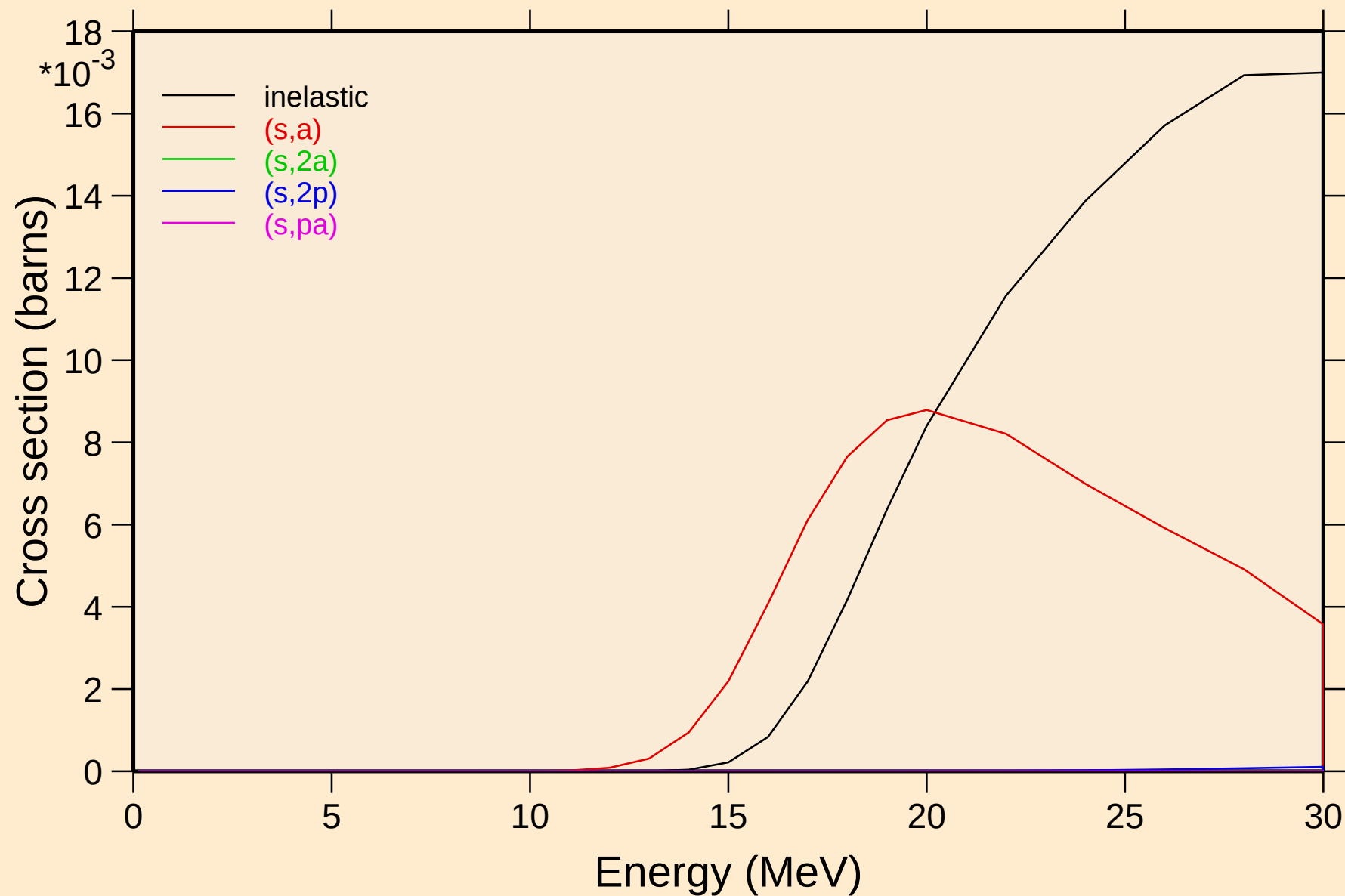


LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



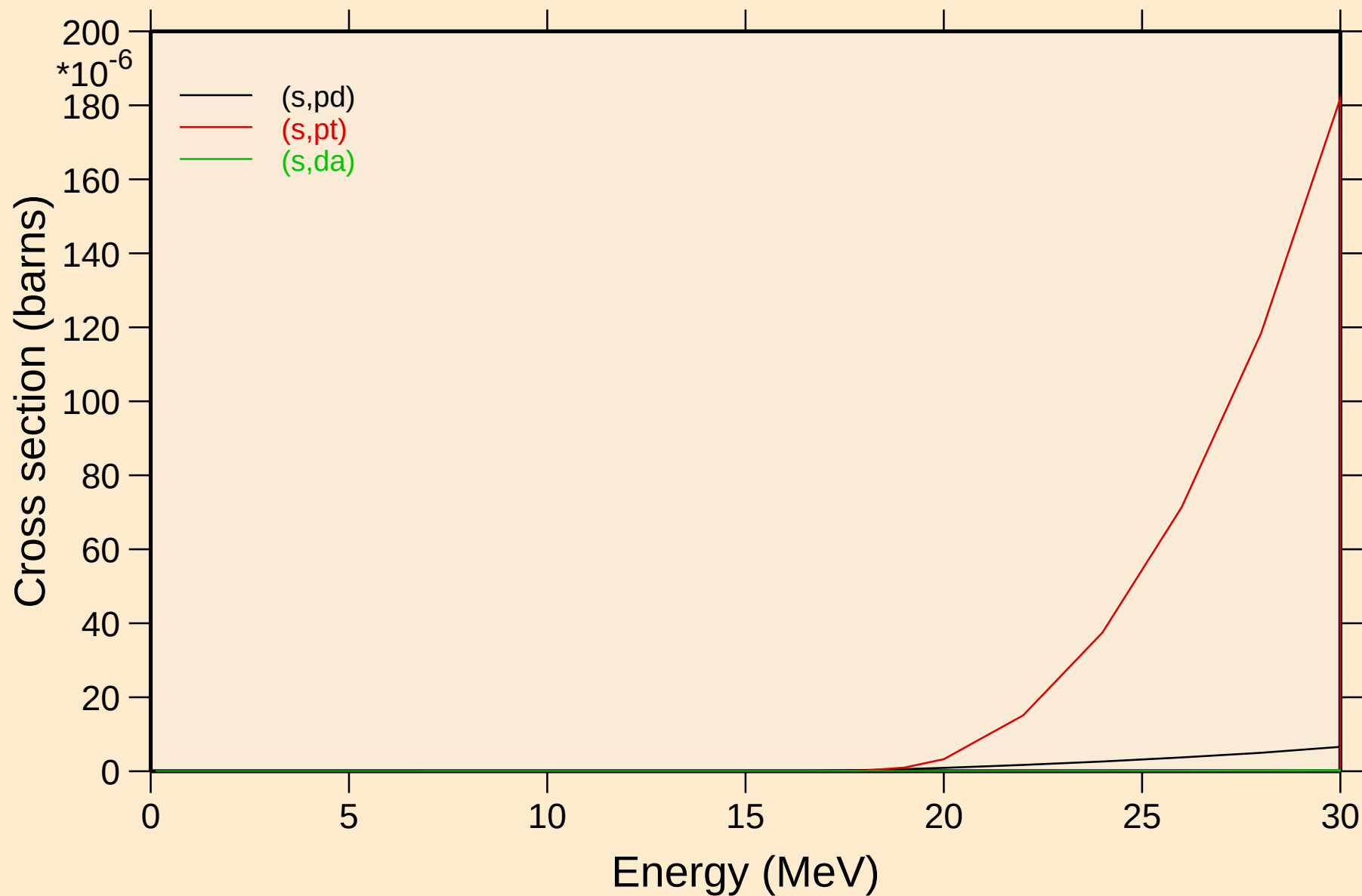
# LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

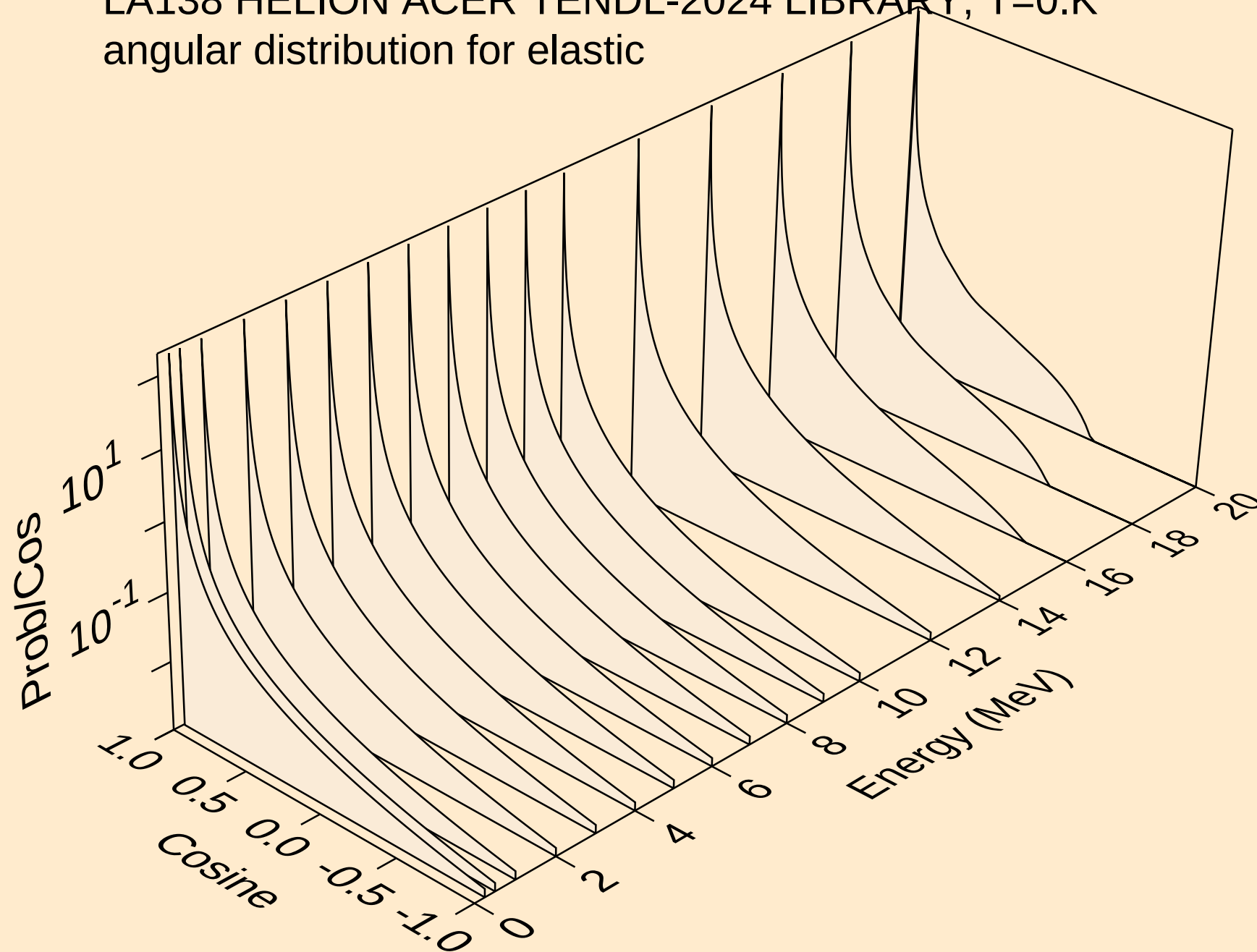


# LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K

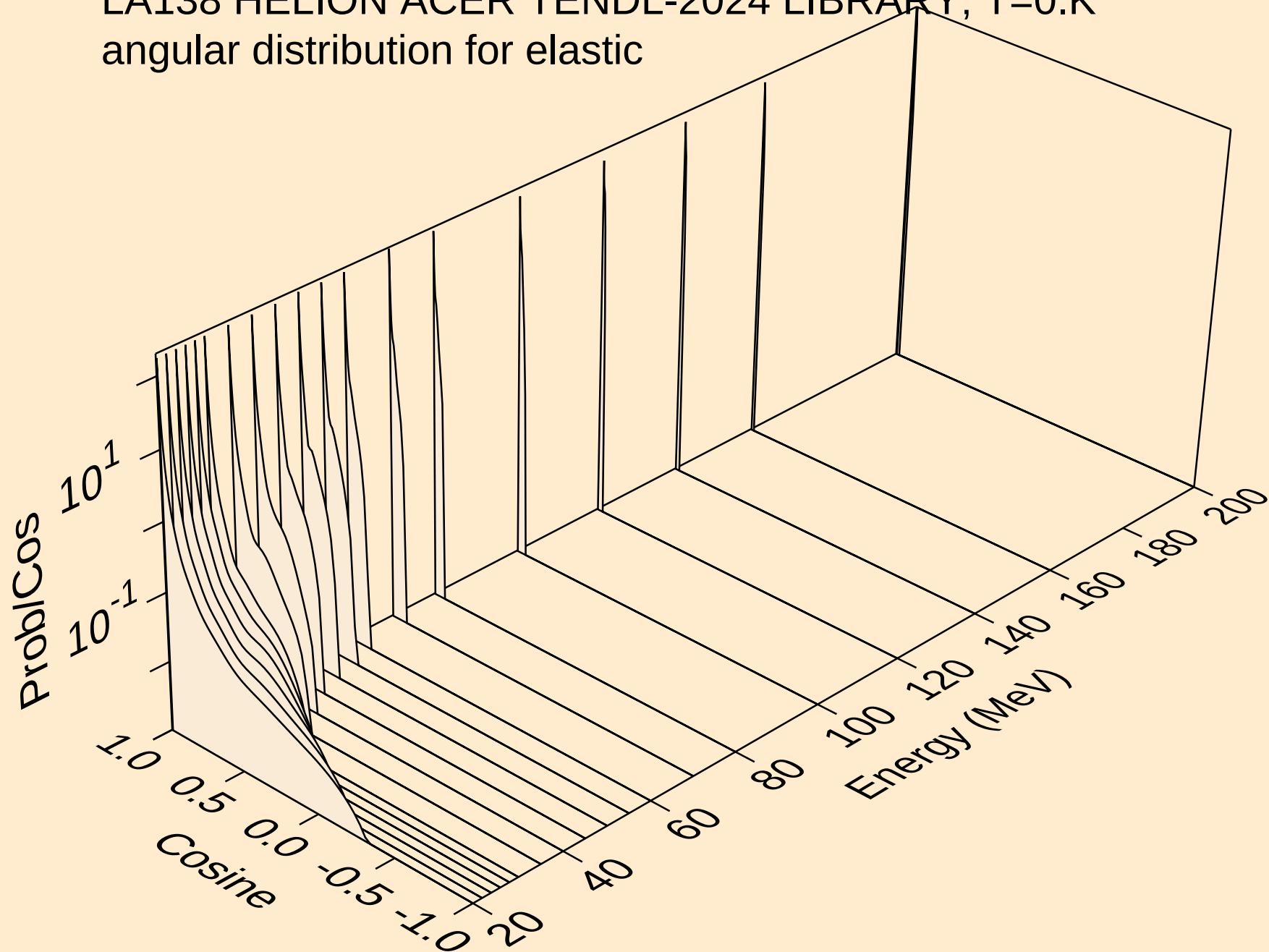
## Threshold reactions



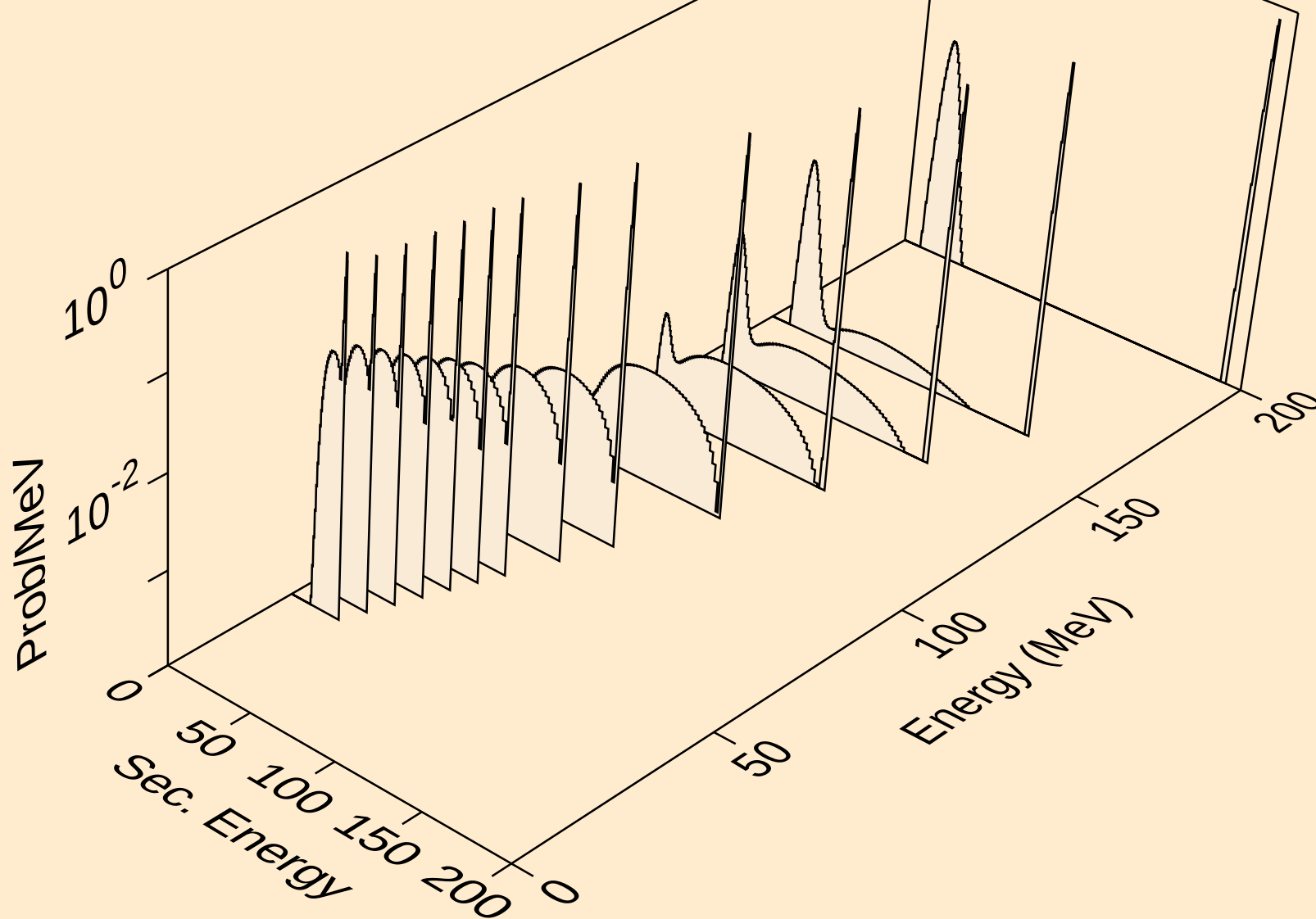
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



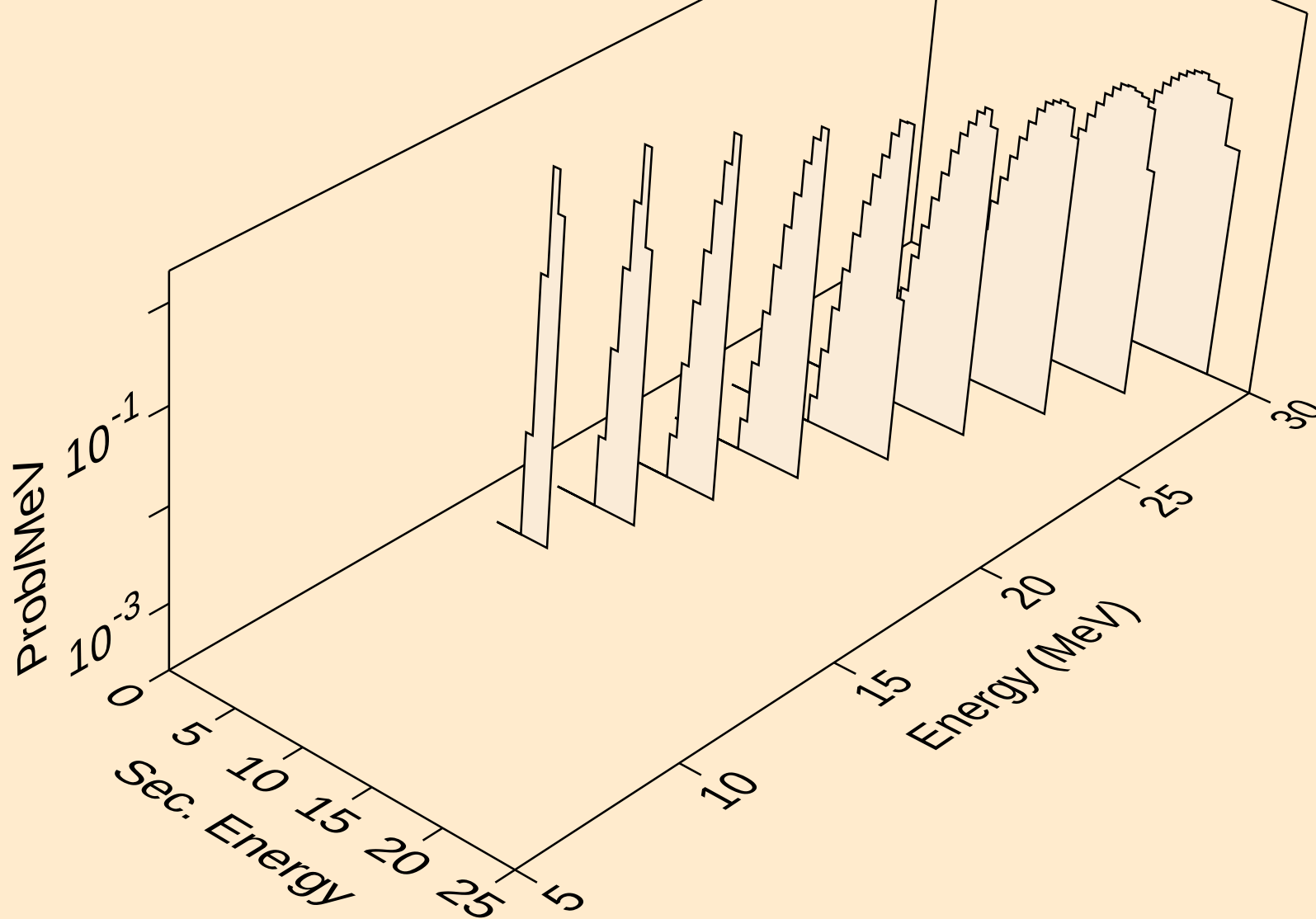
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for (s,x)

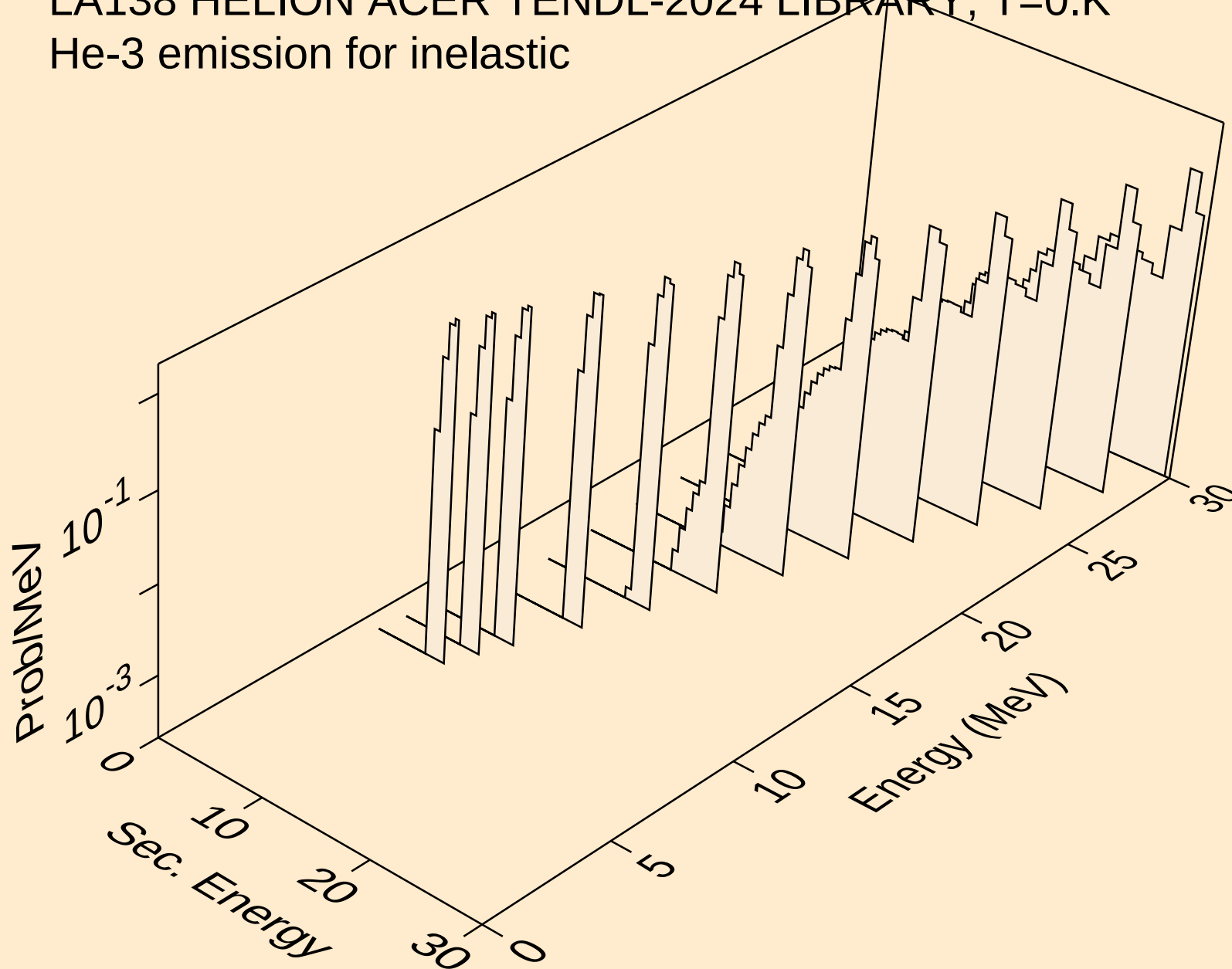


LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

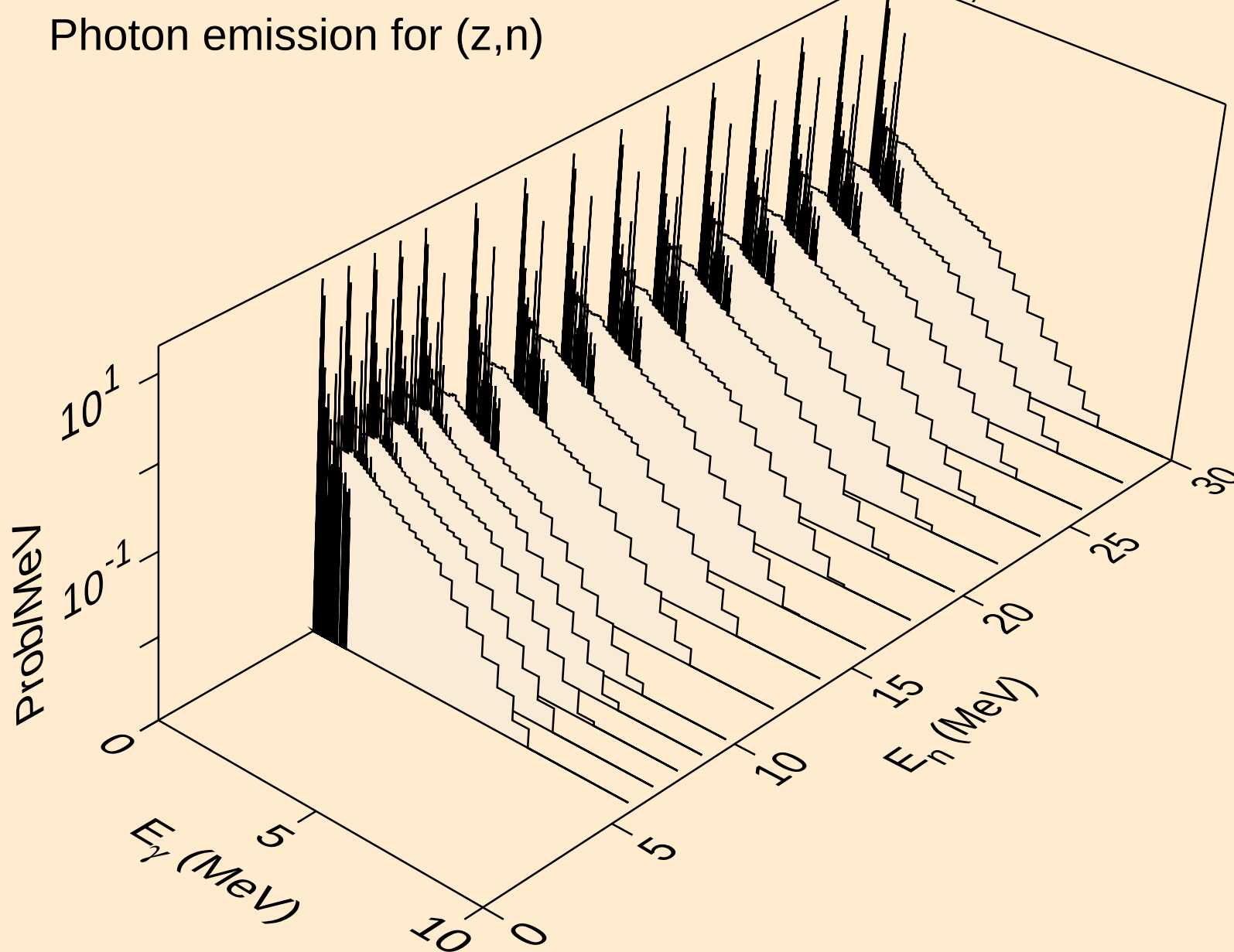




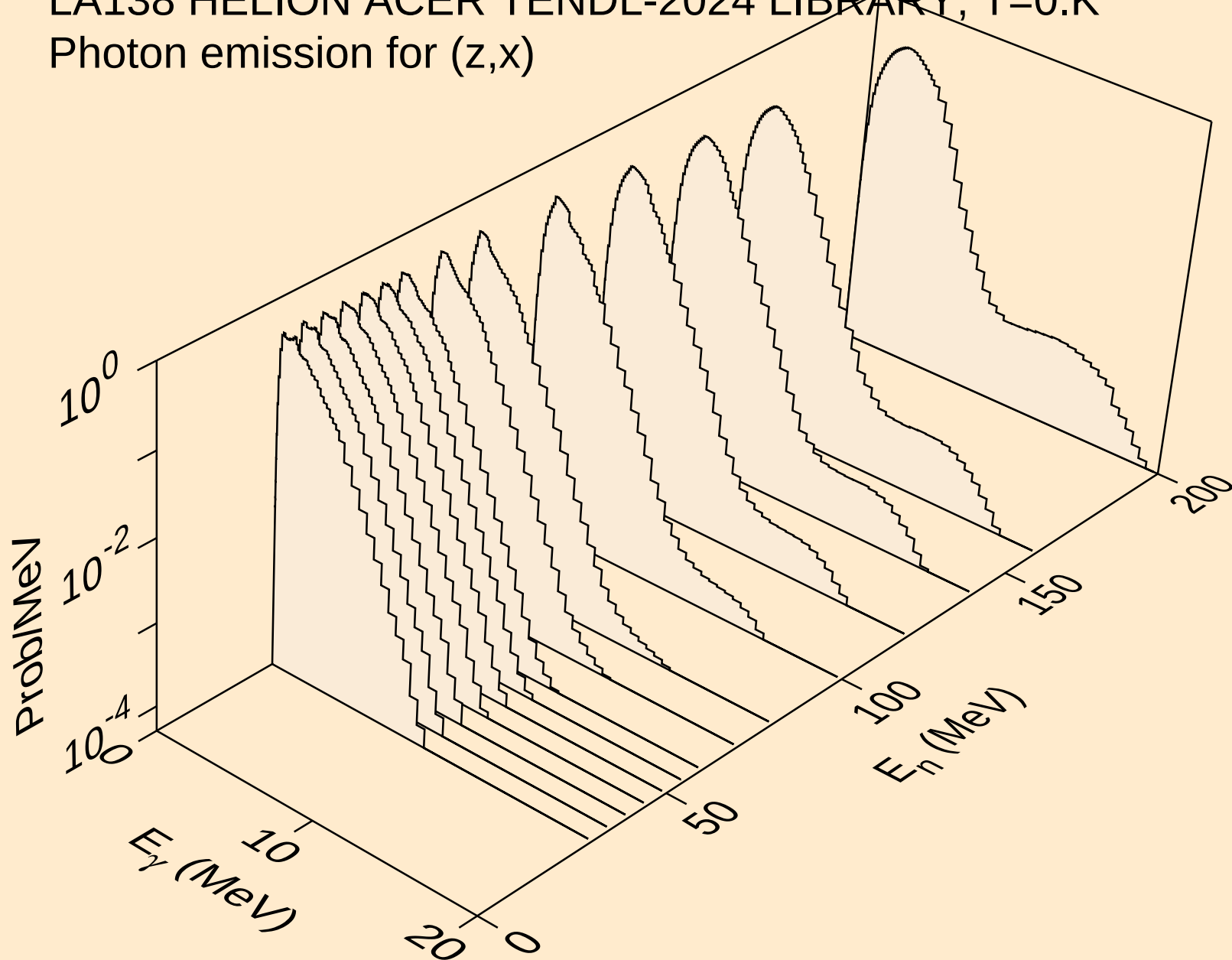
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for inelastic



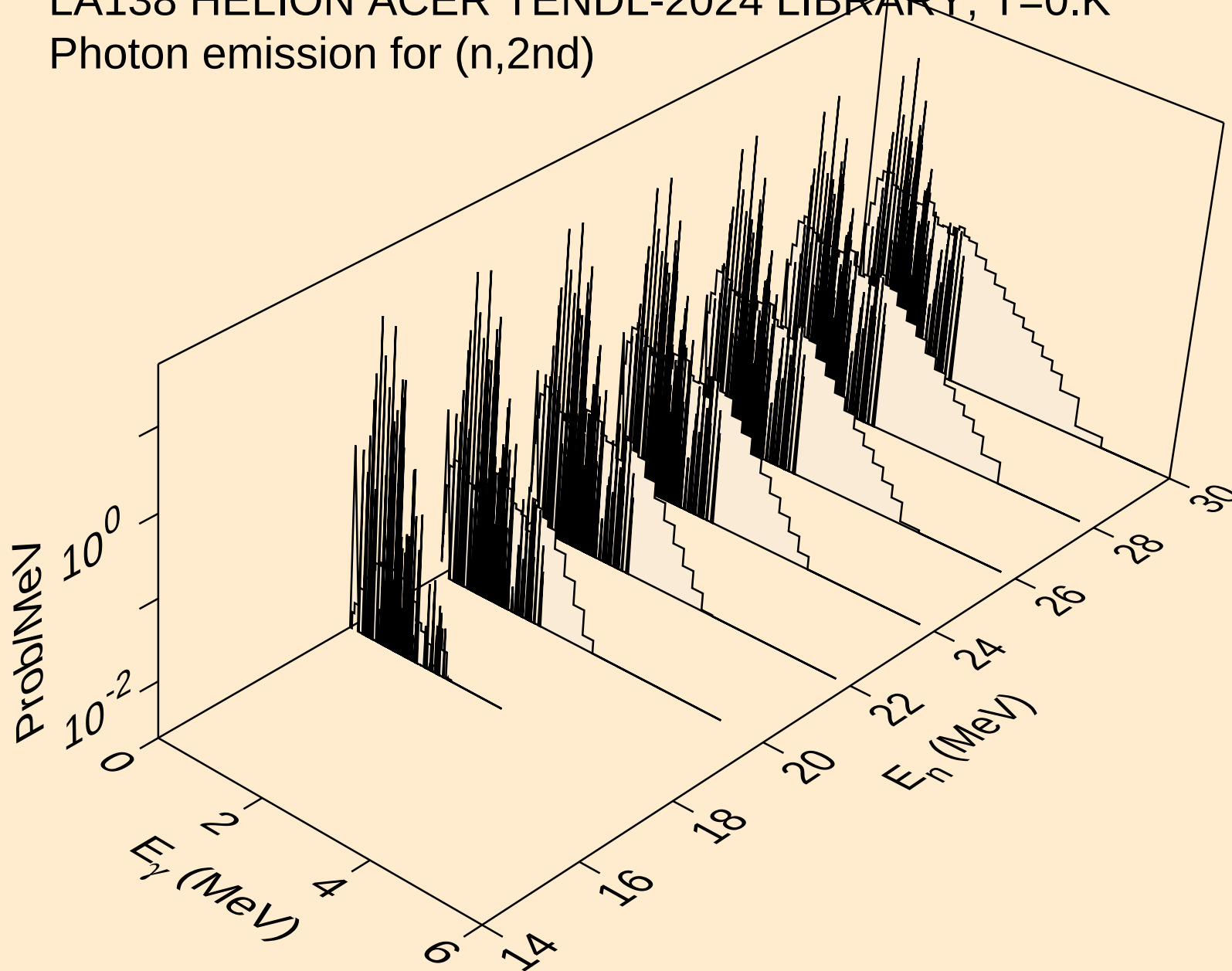
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,n)



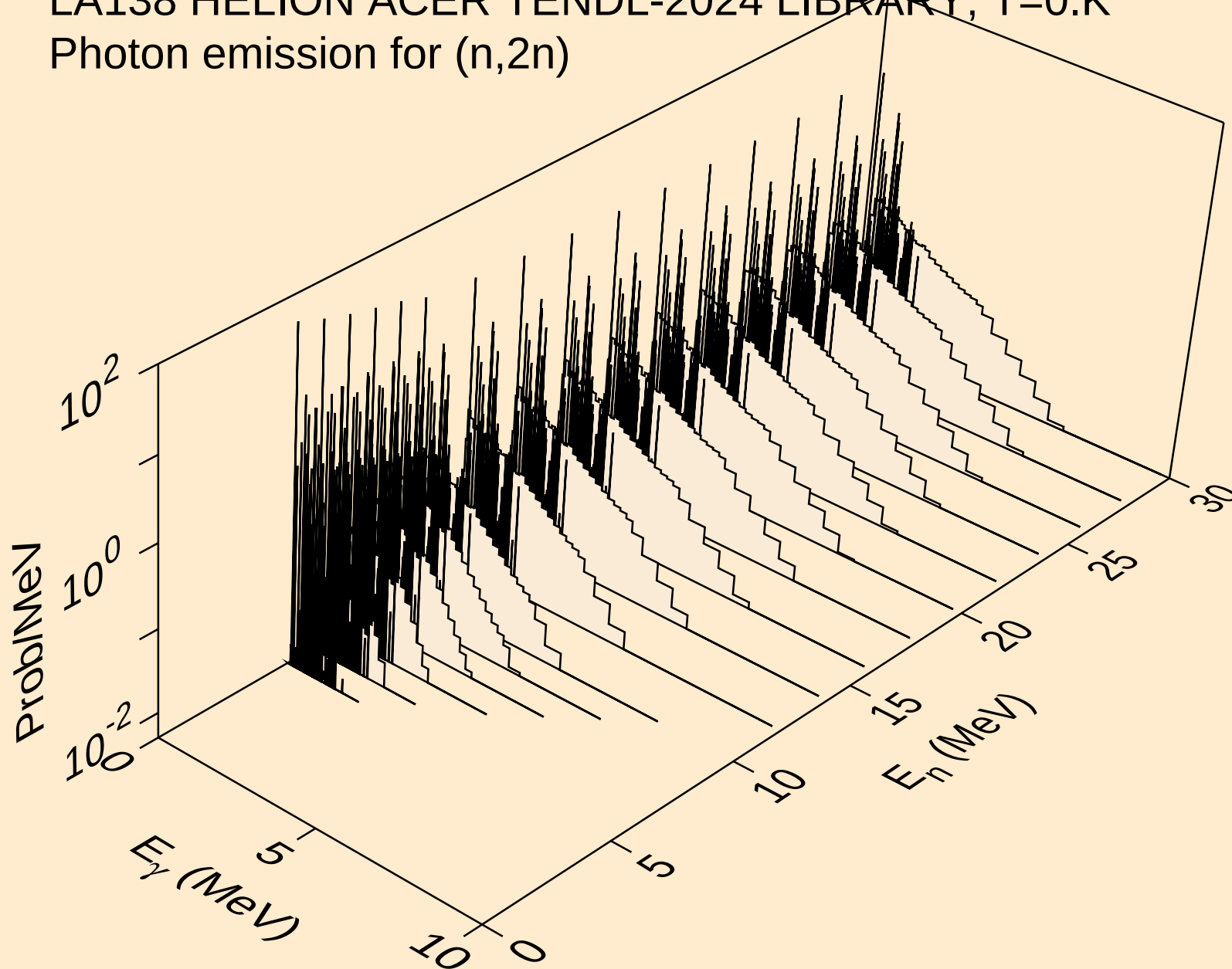
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,x)



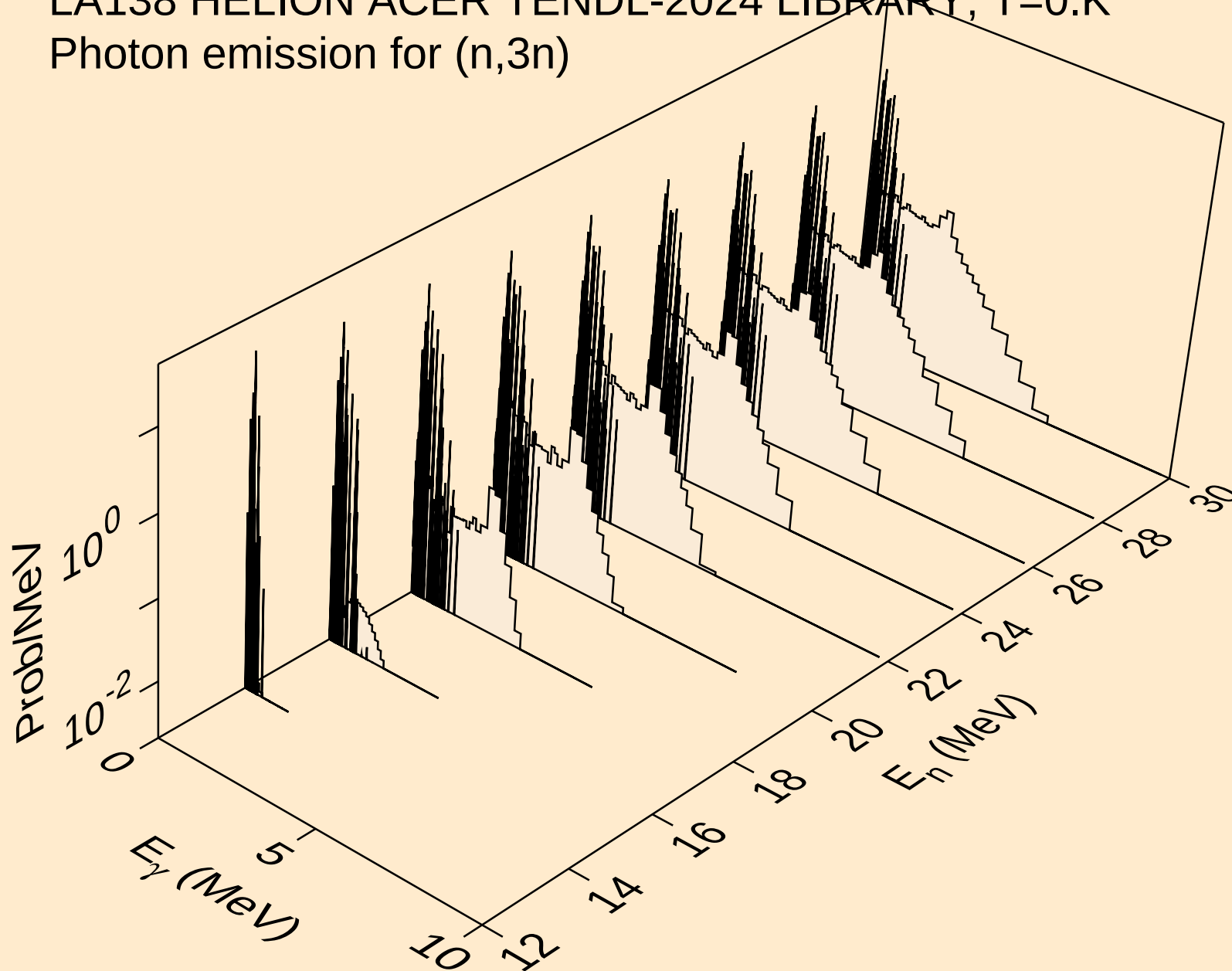
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



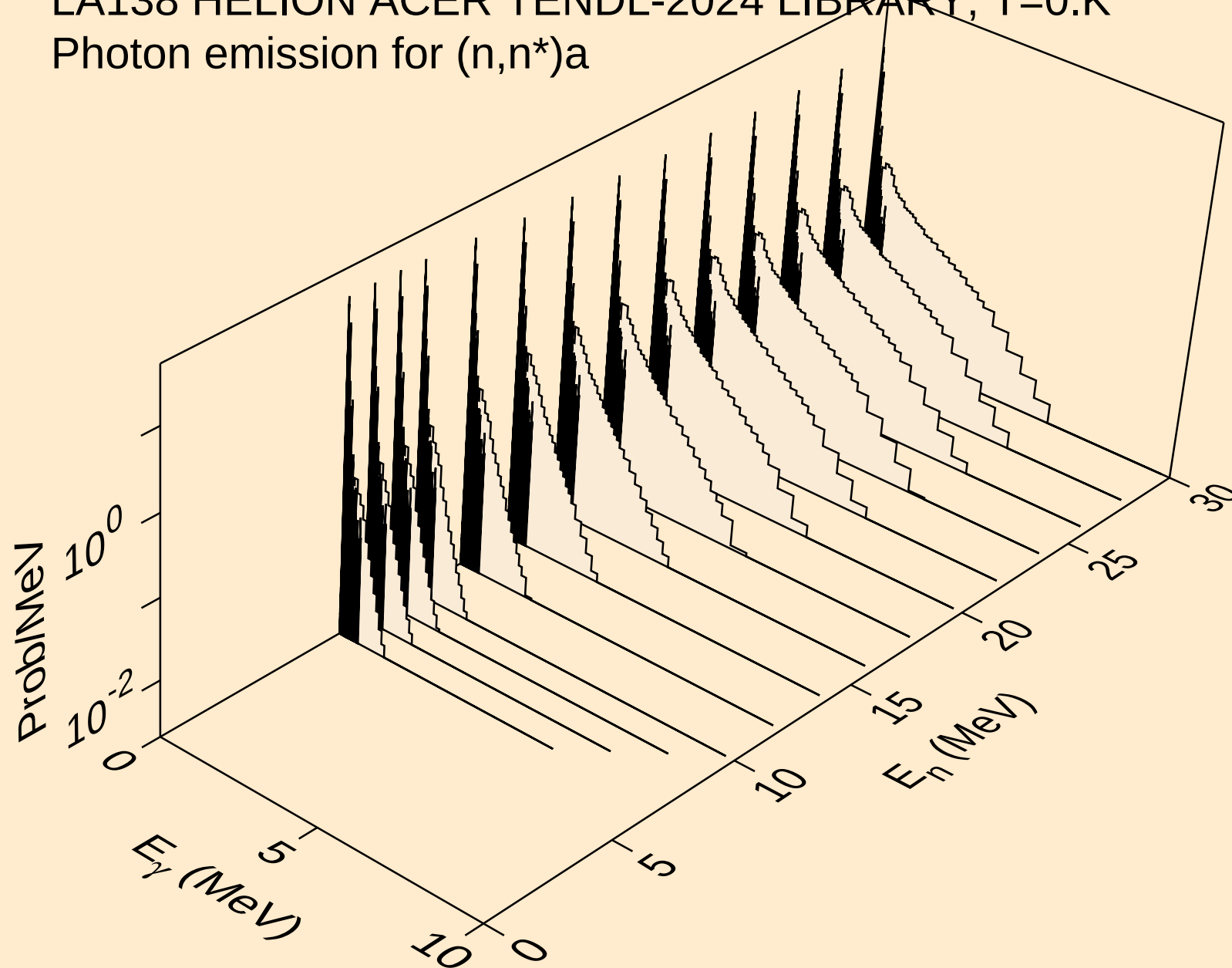
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



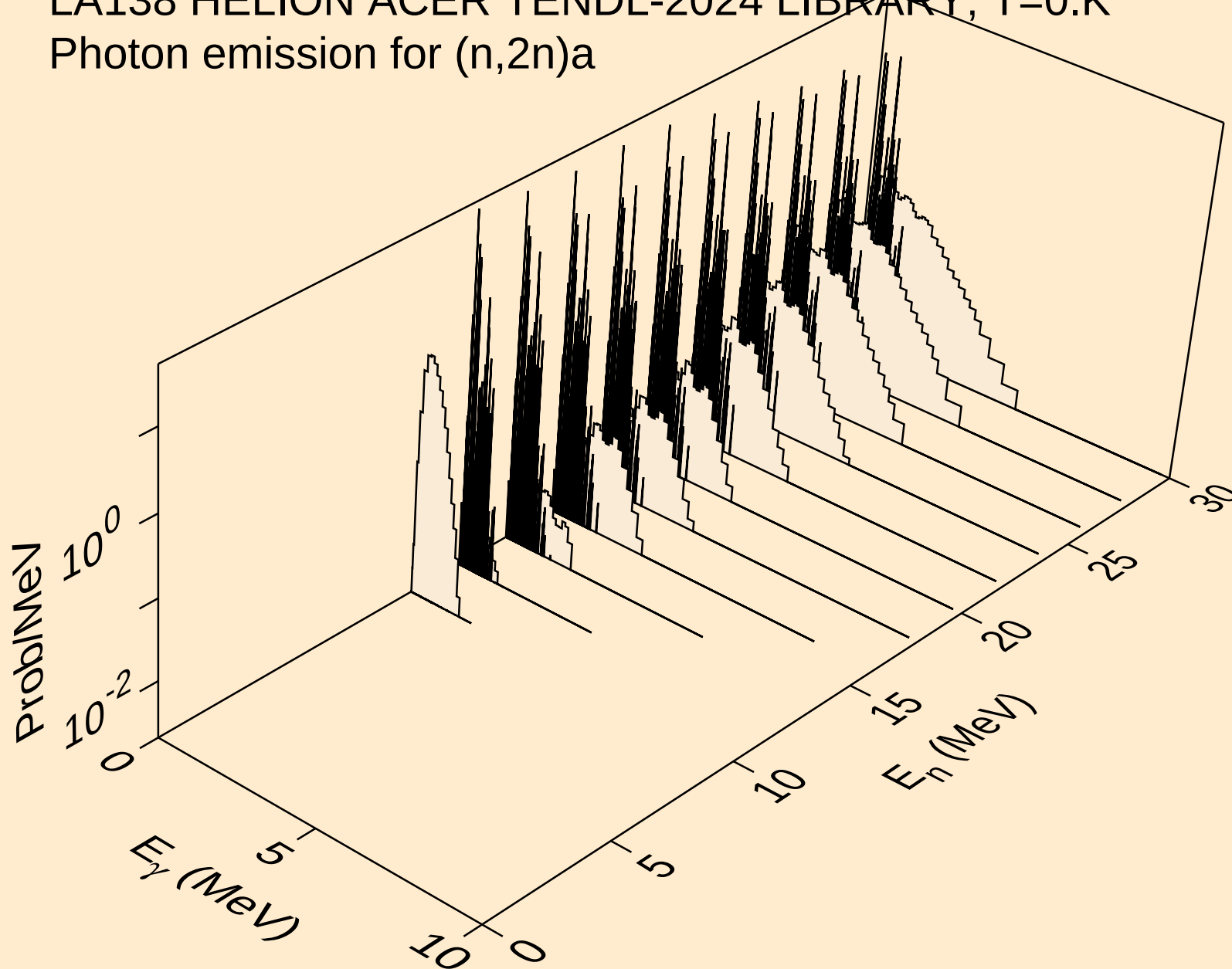
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



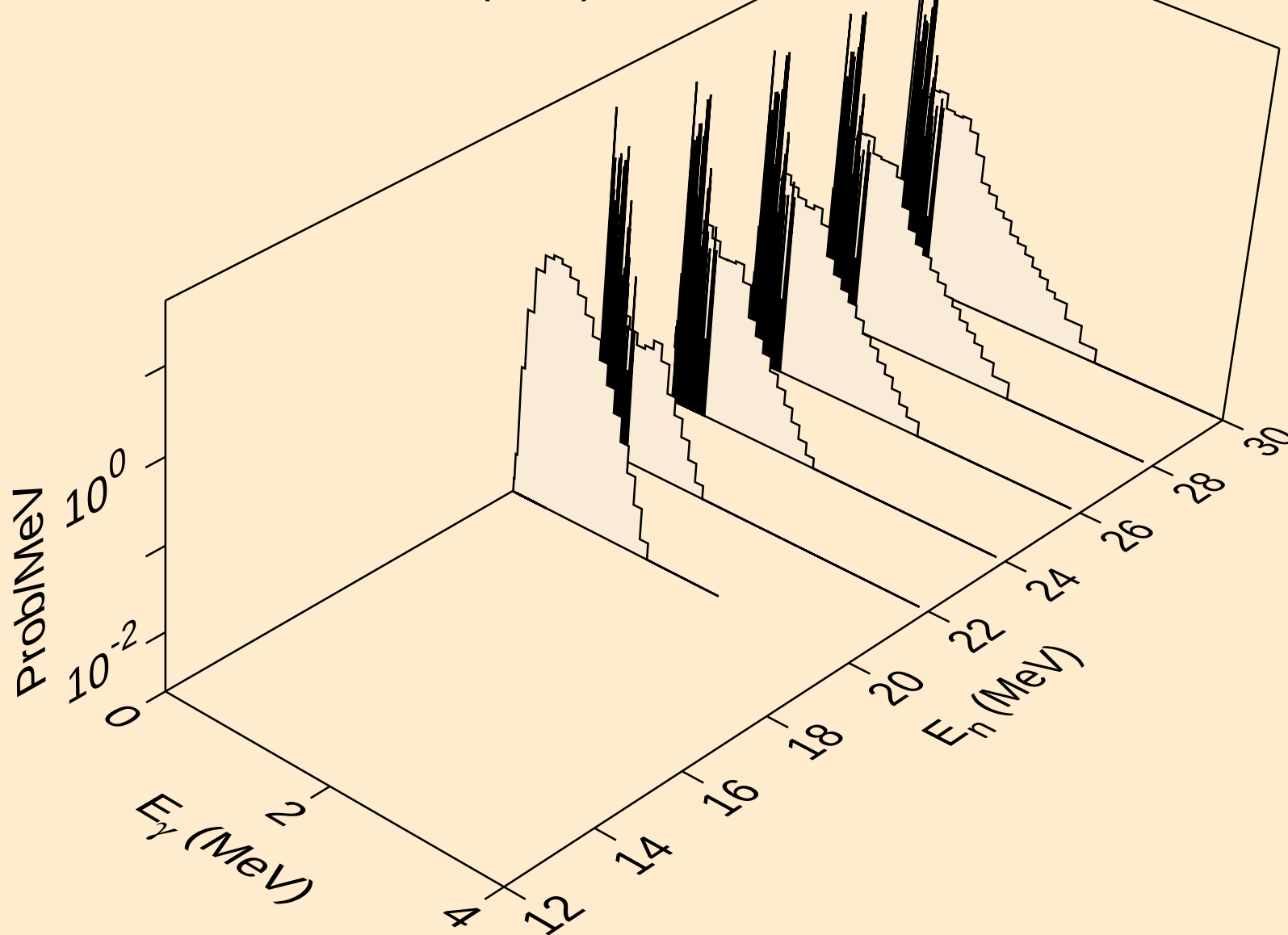
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



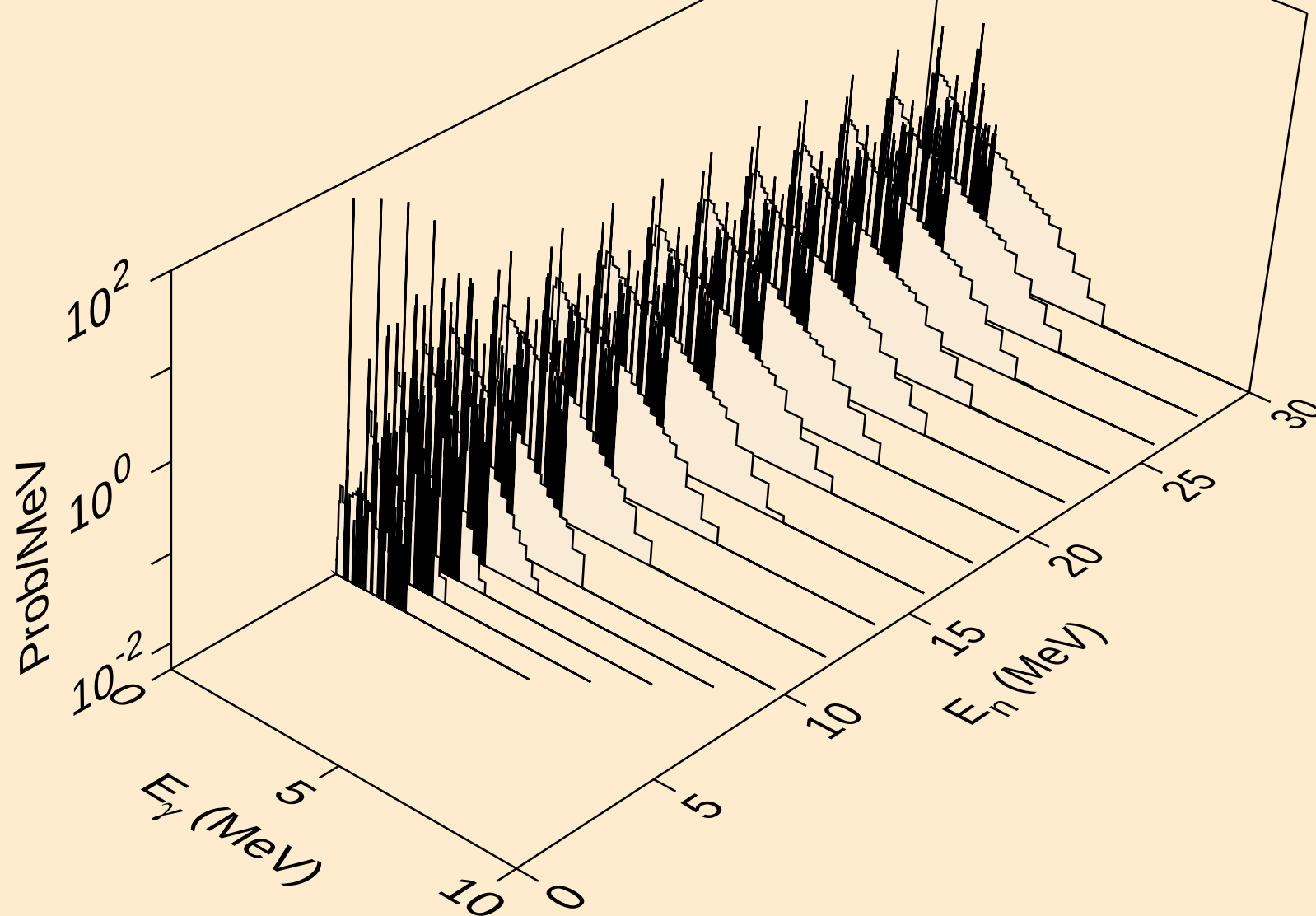


LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K

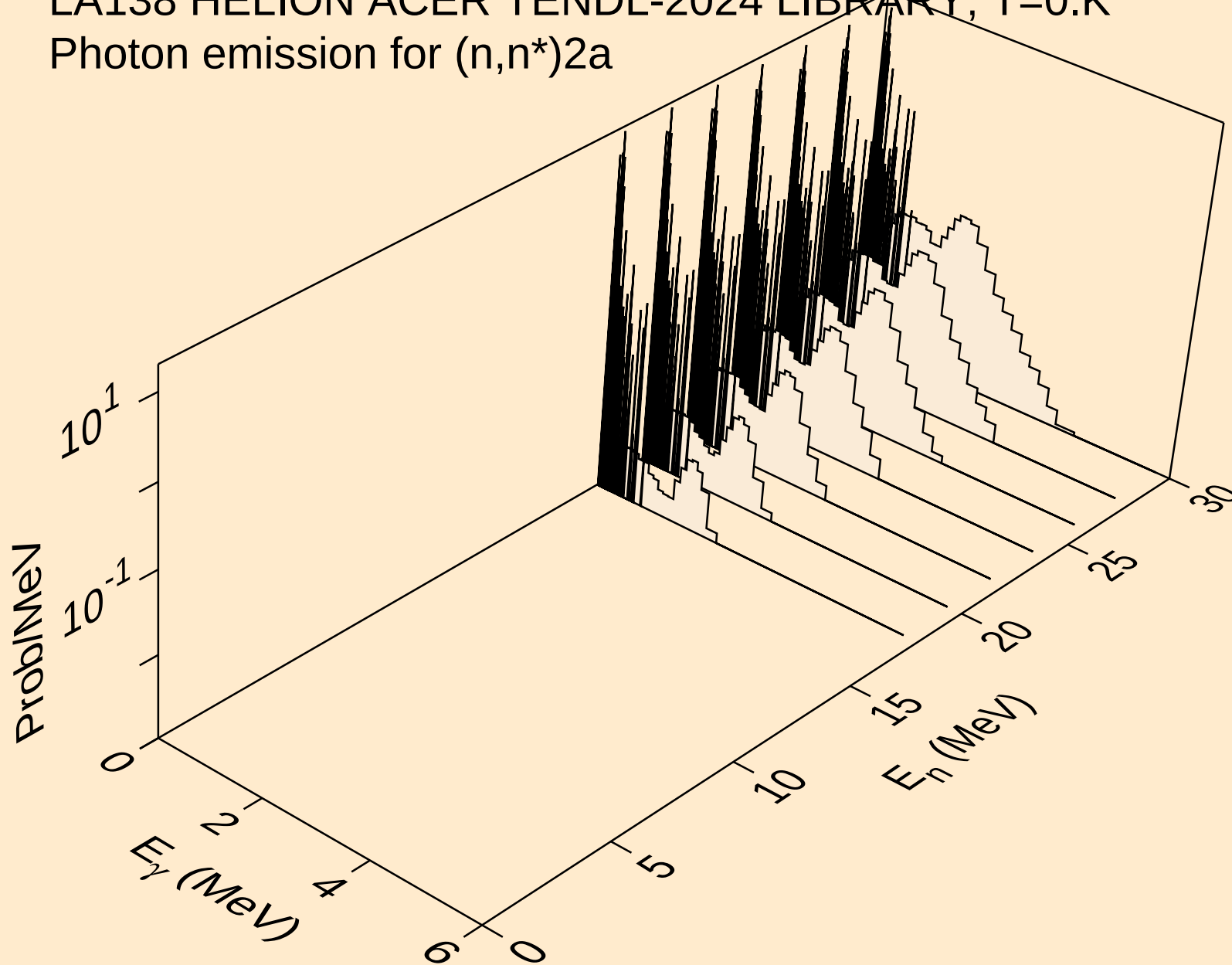
Photon emission for (n,3n) $\alpha$



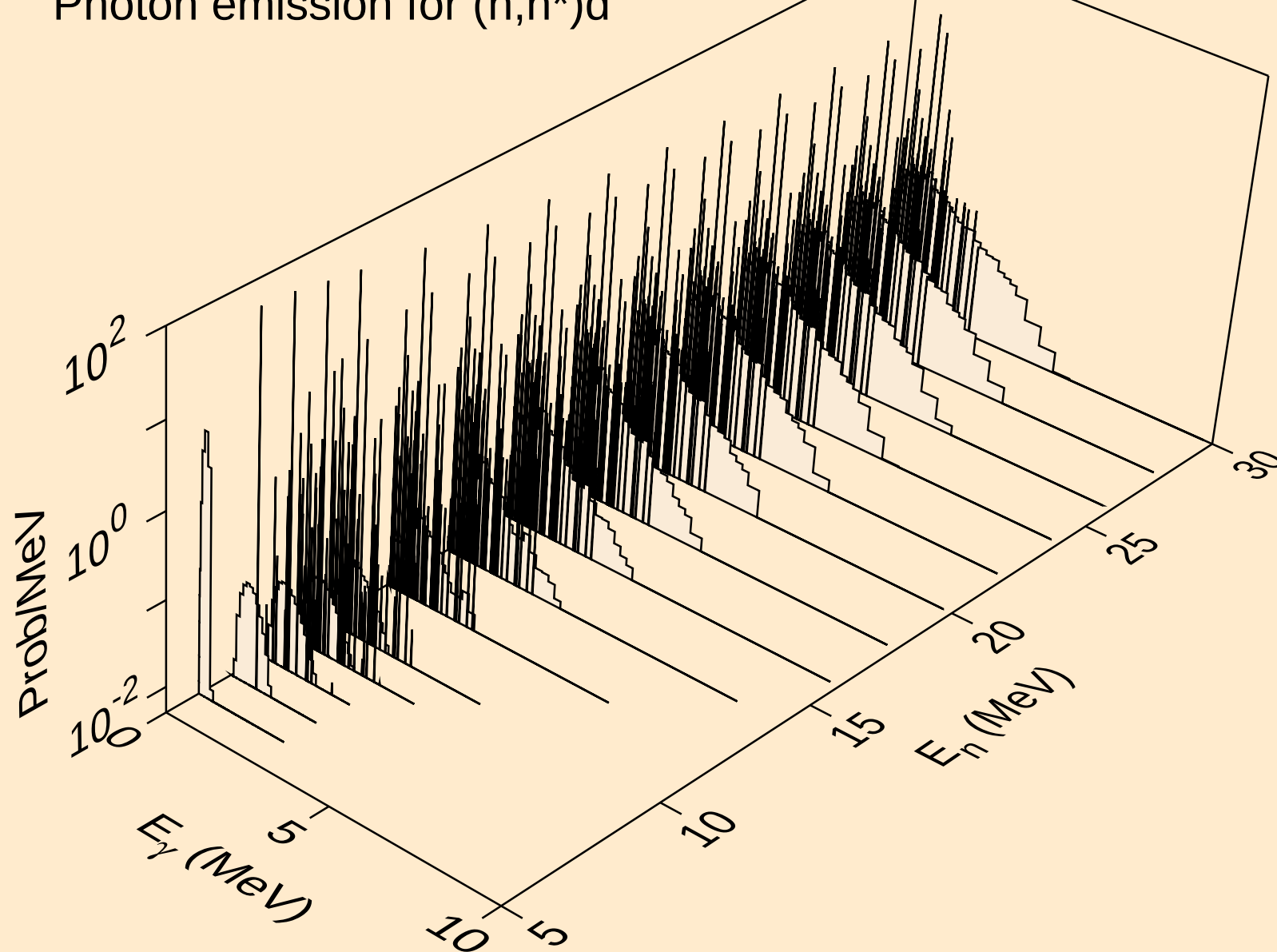
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



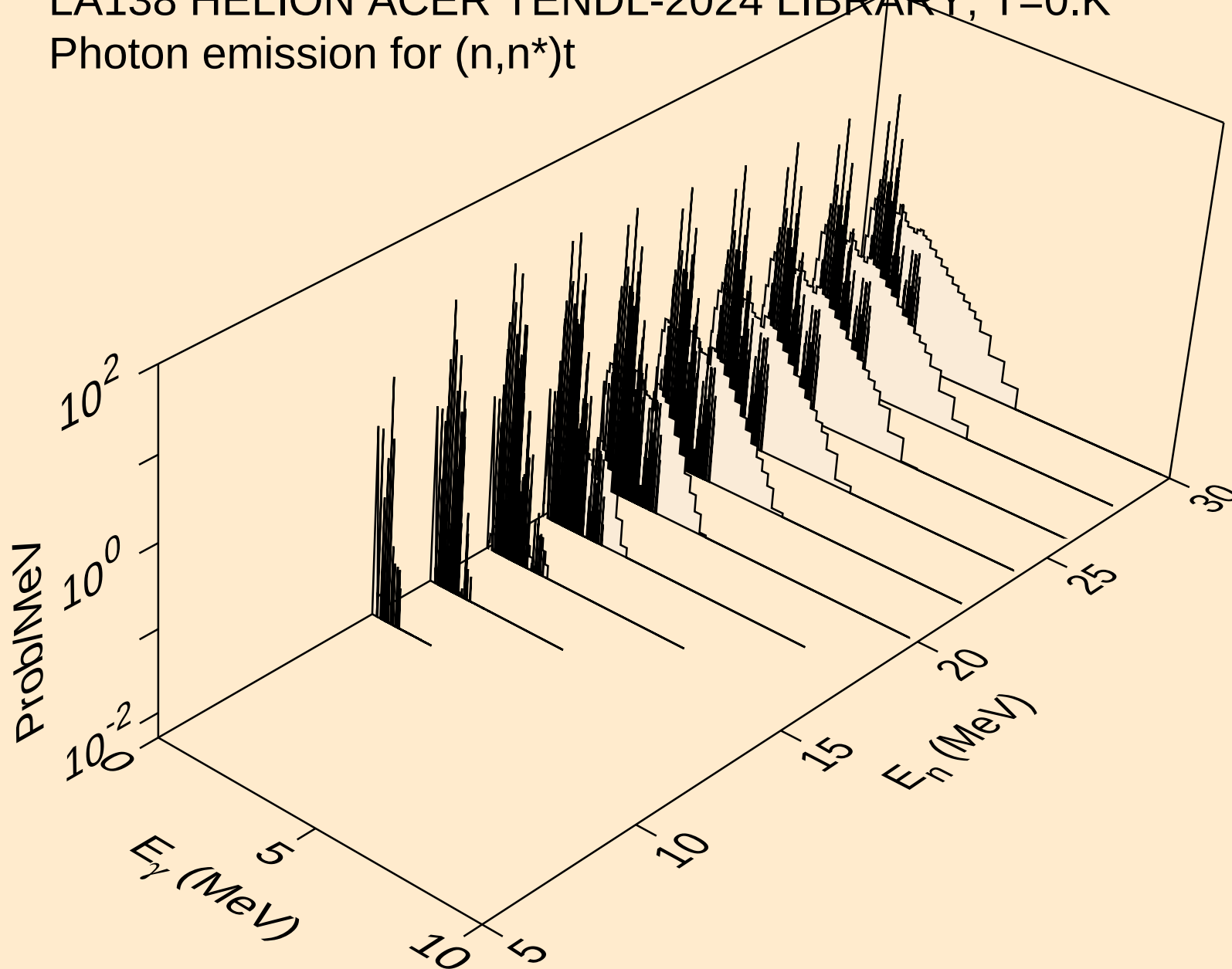
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



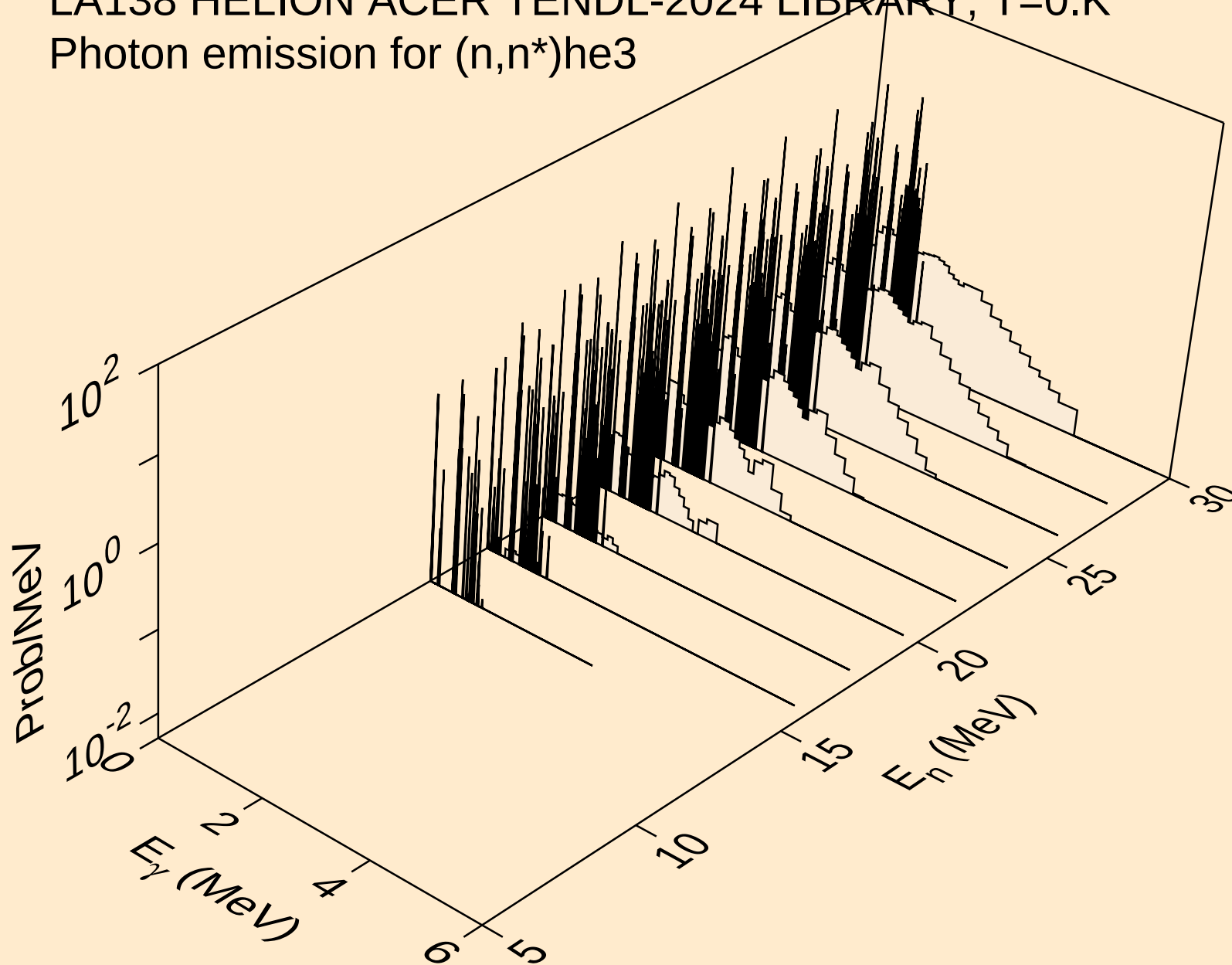
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



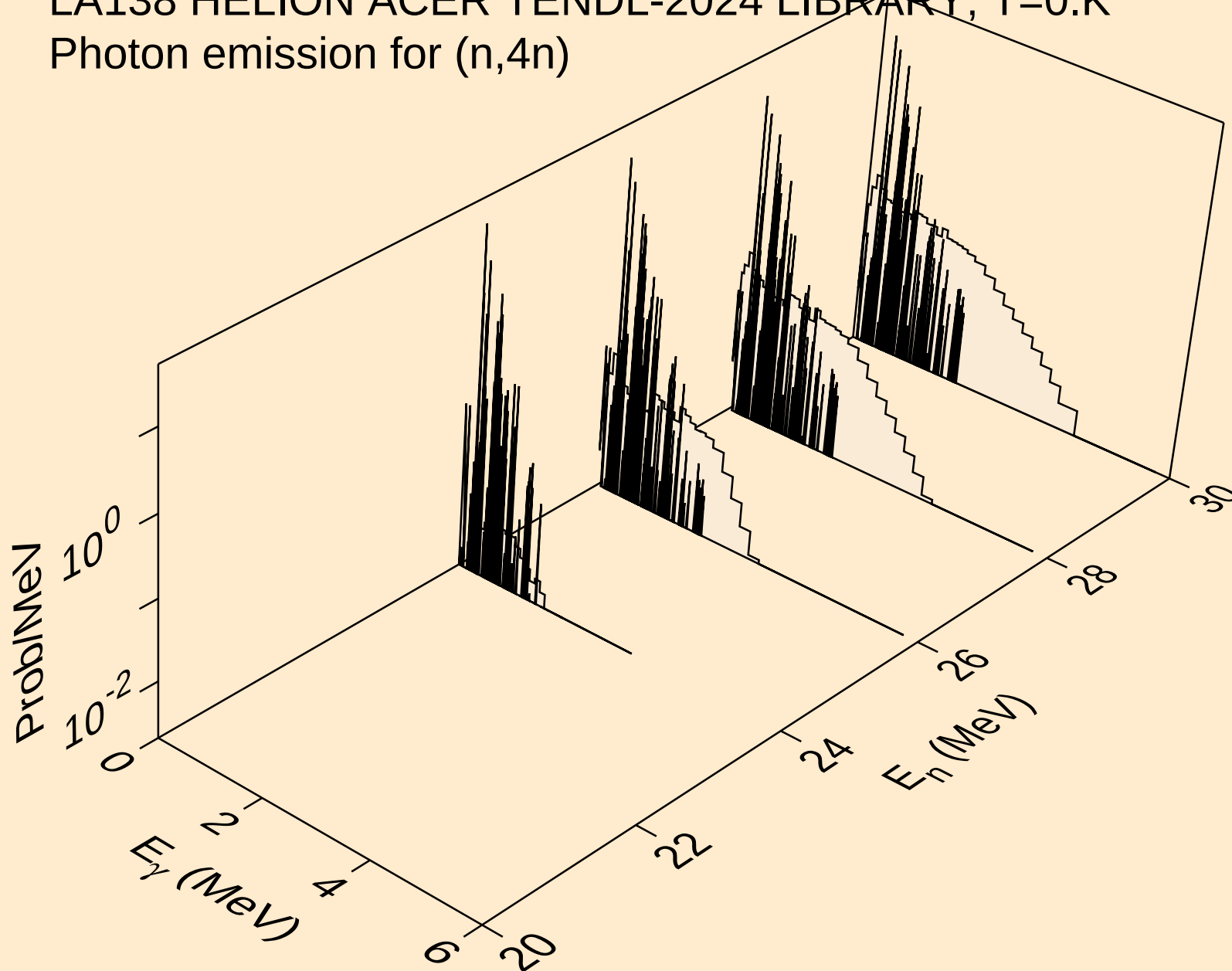
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



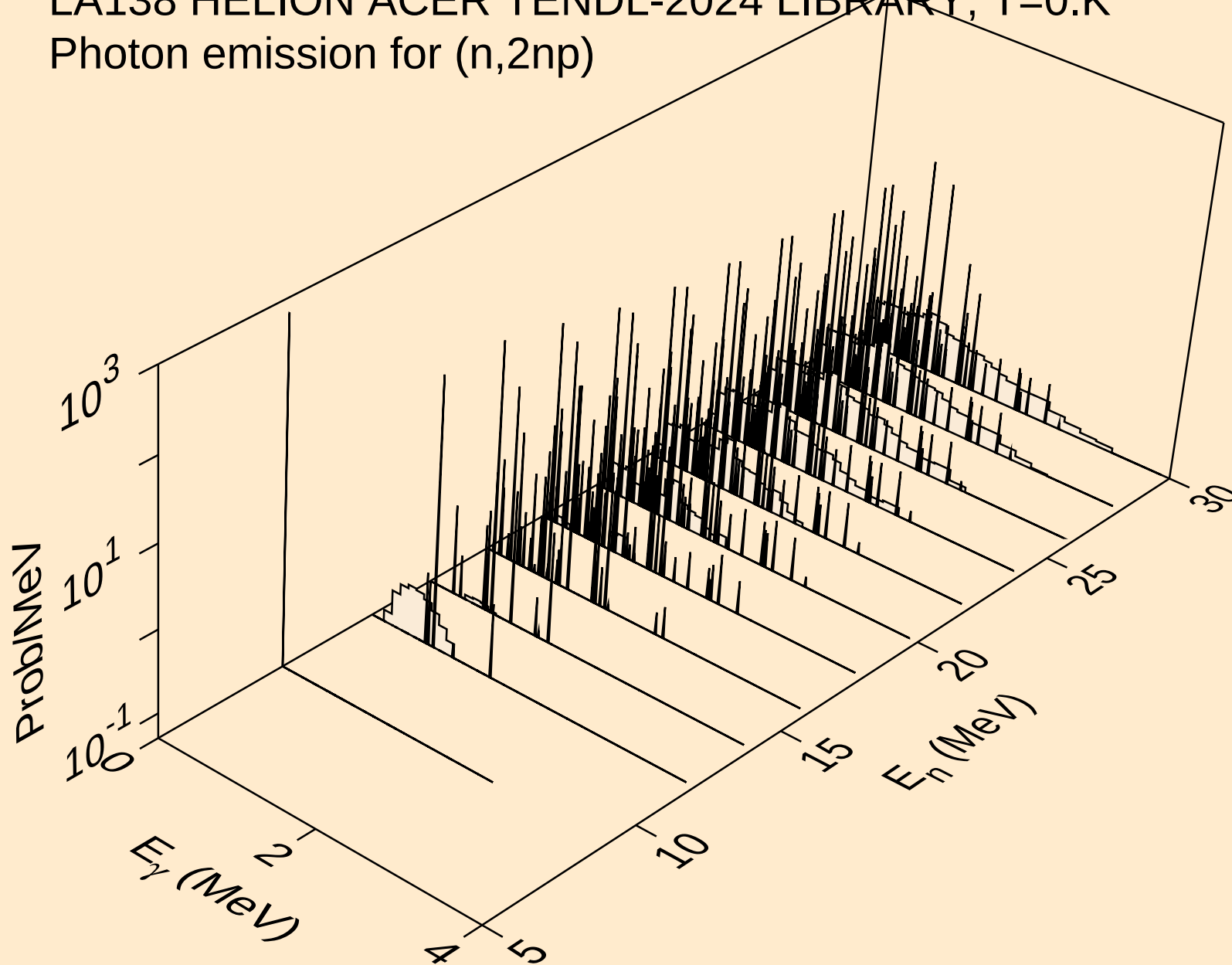
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)

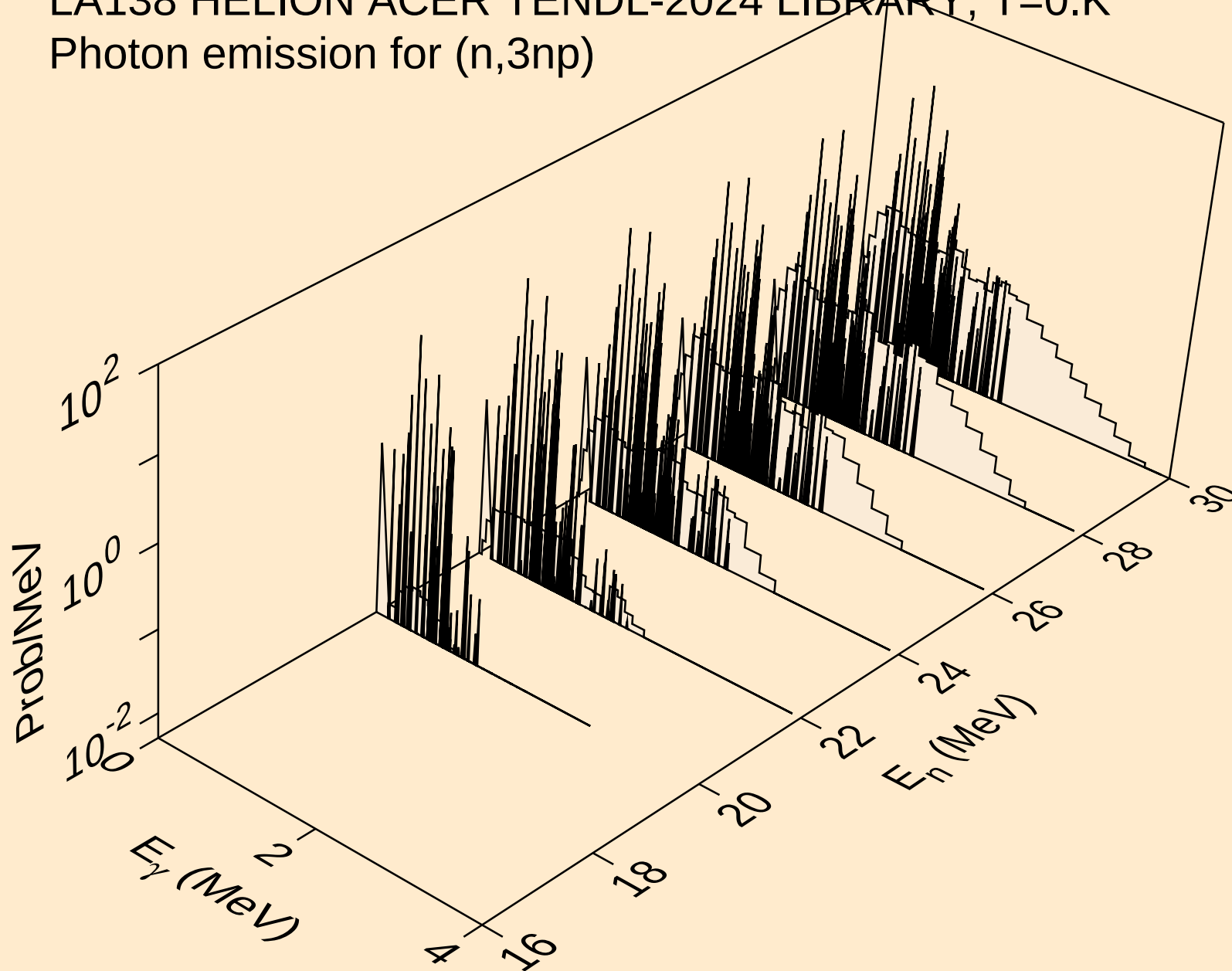


LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)

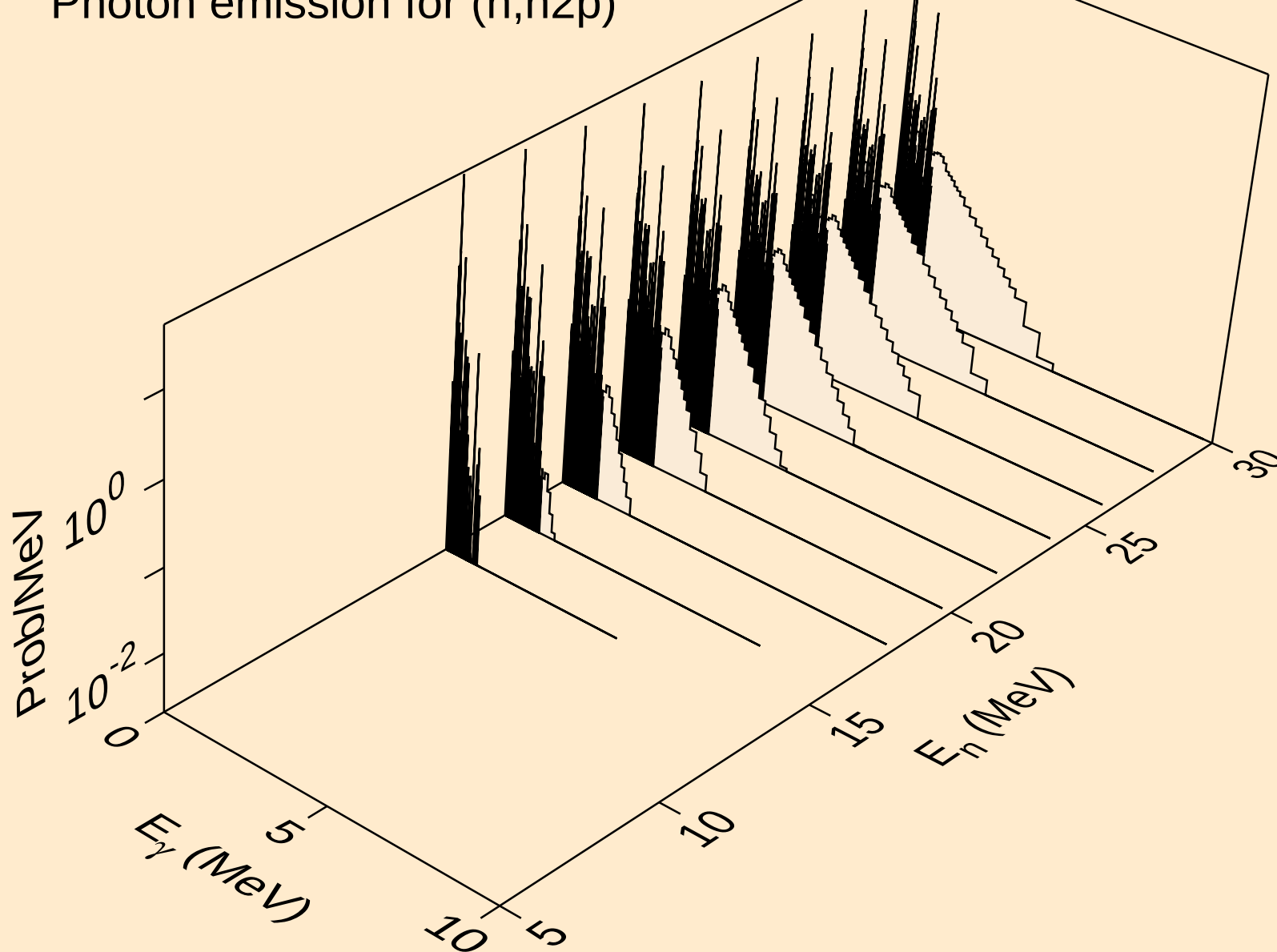




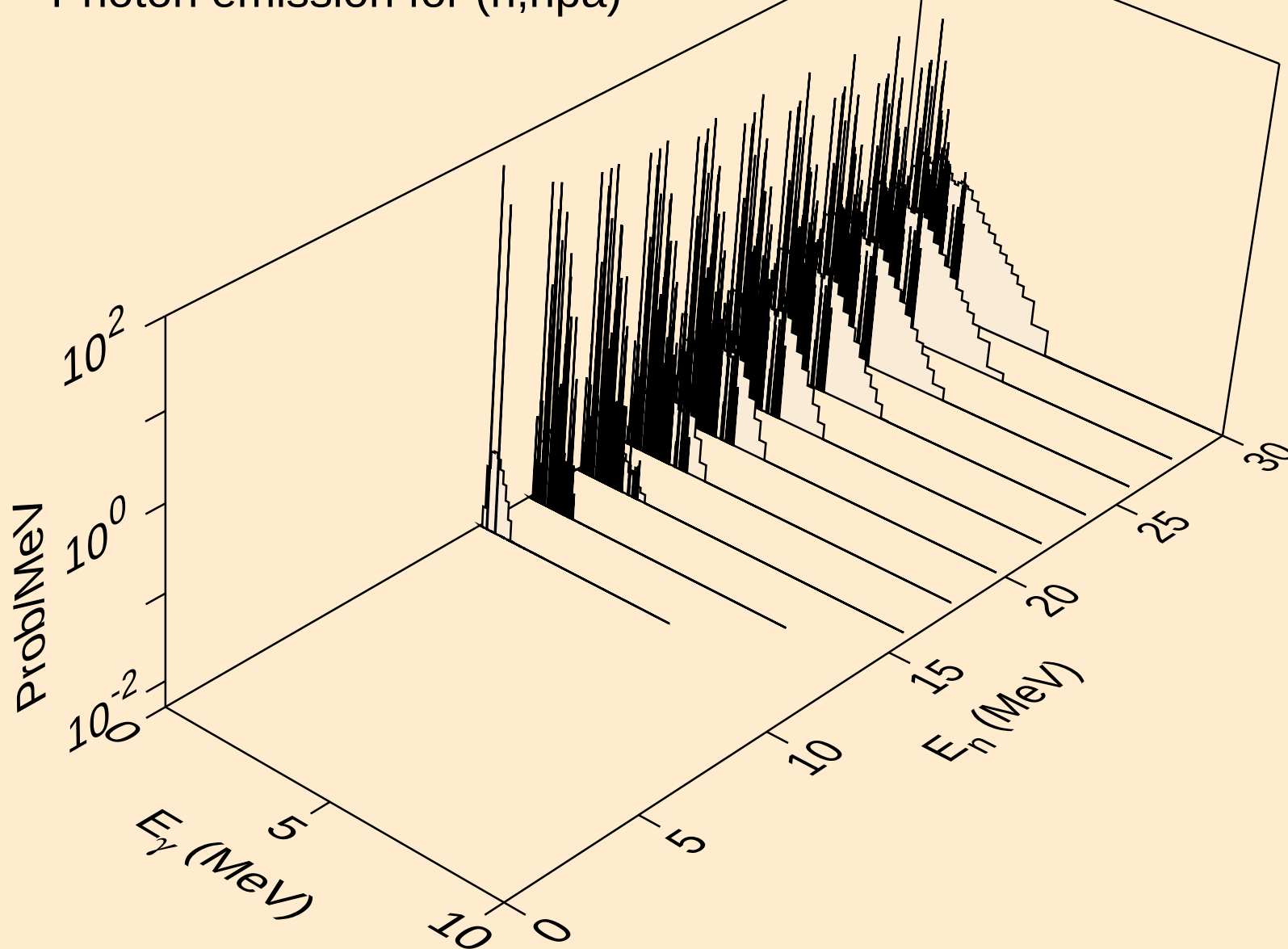
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Photon emission for (n,3np)



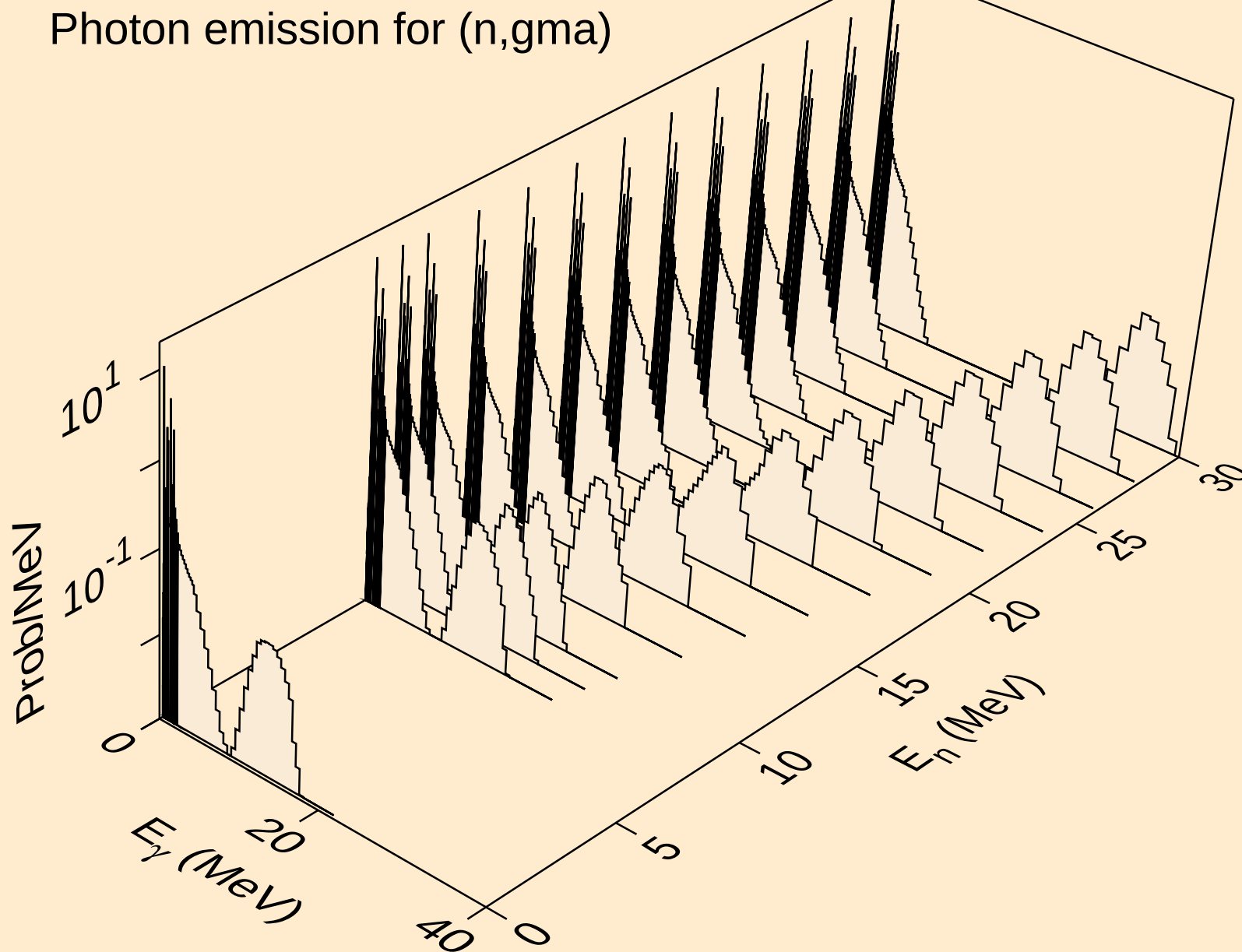
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



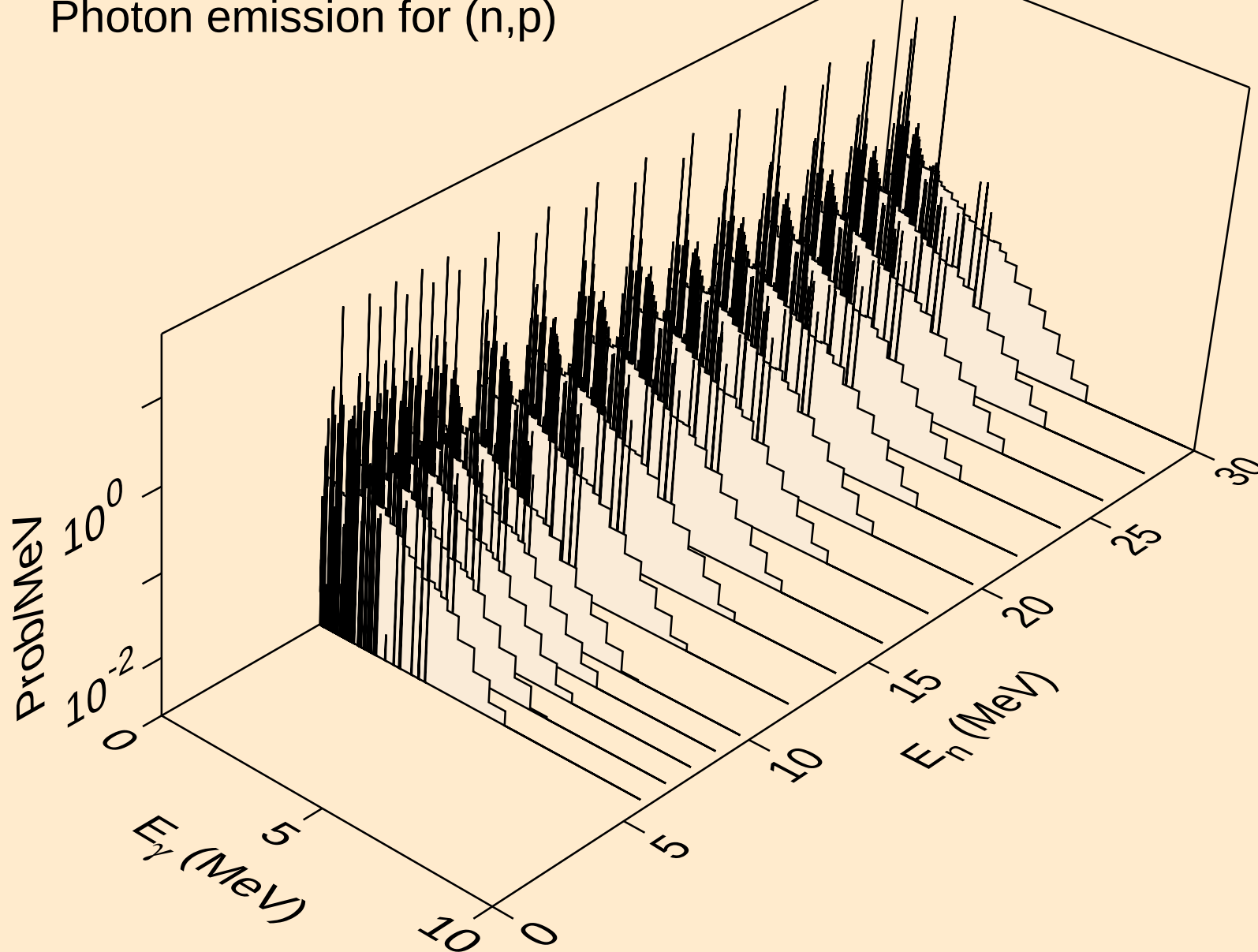
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Photon emission for (n,npa)



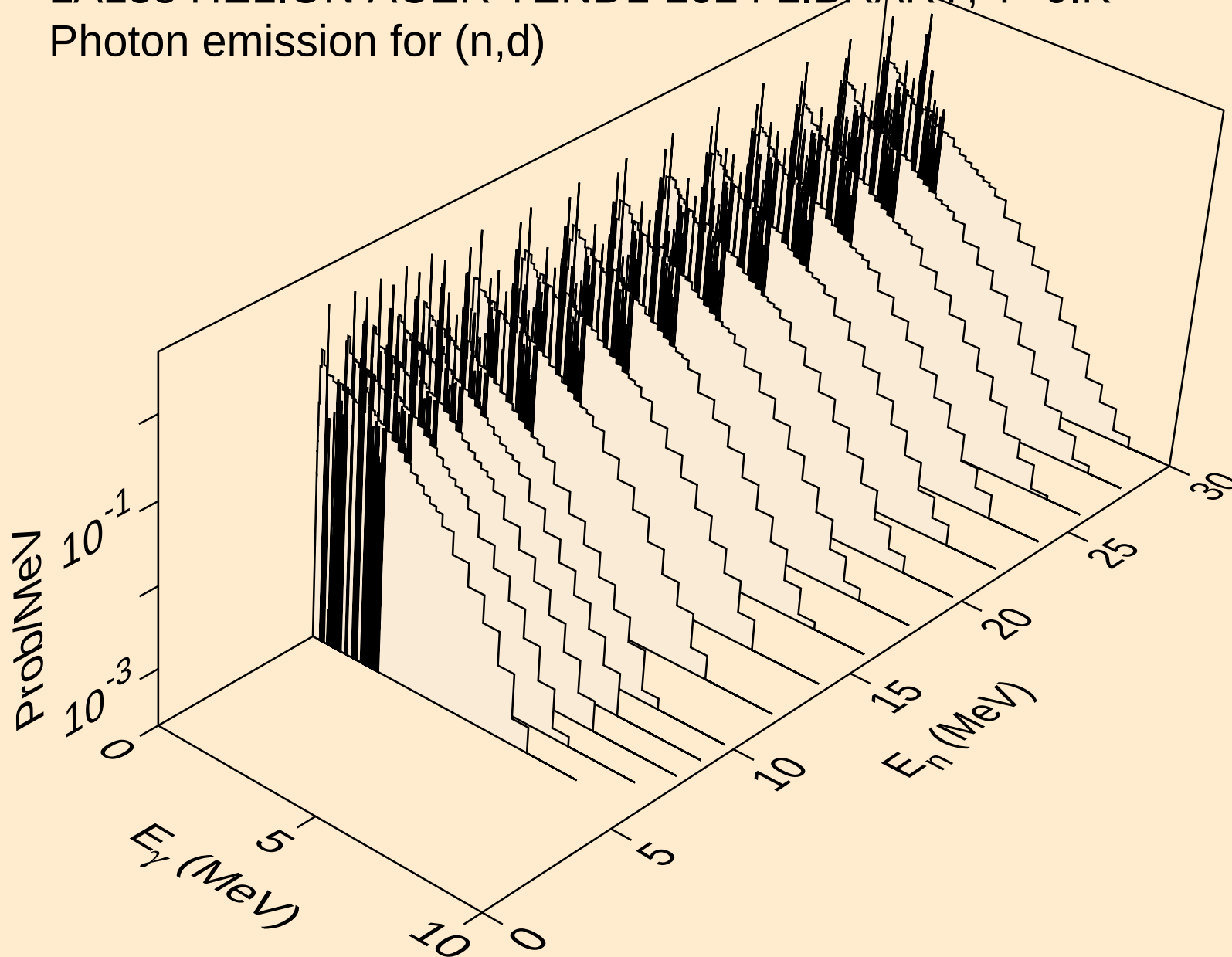
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Photon emission for (n,gma)



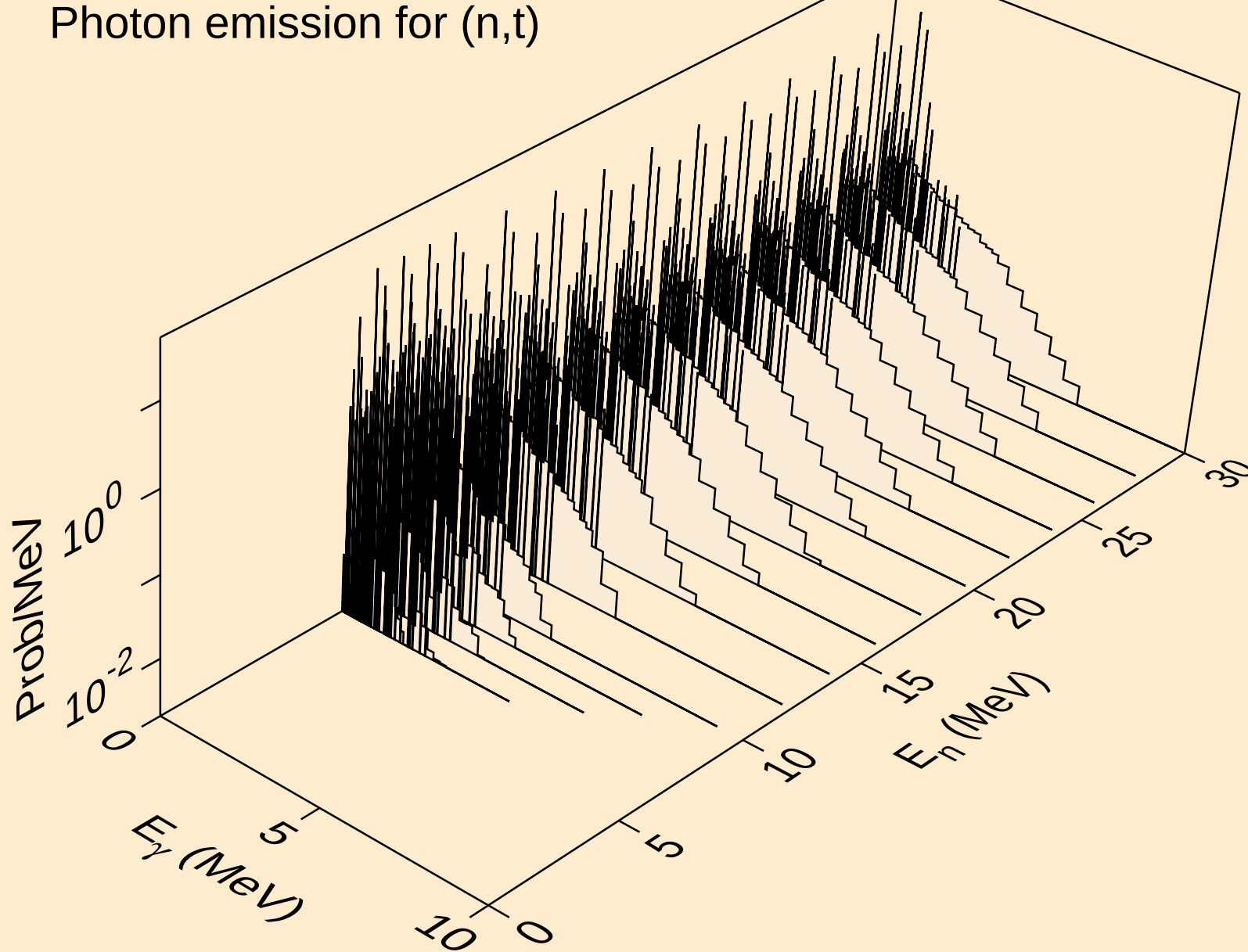
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



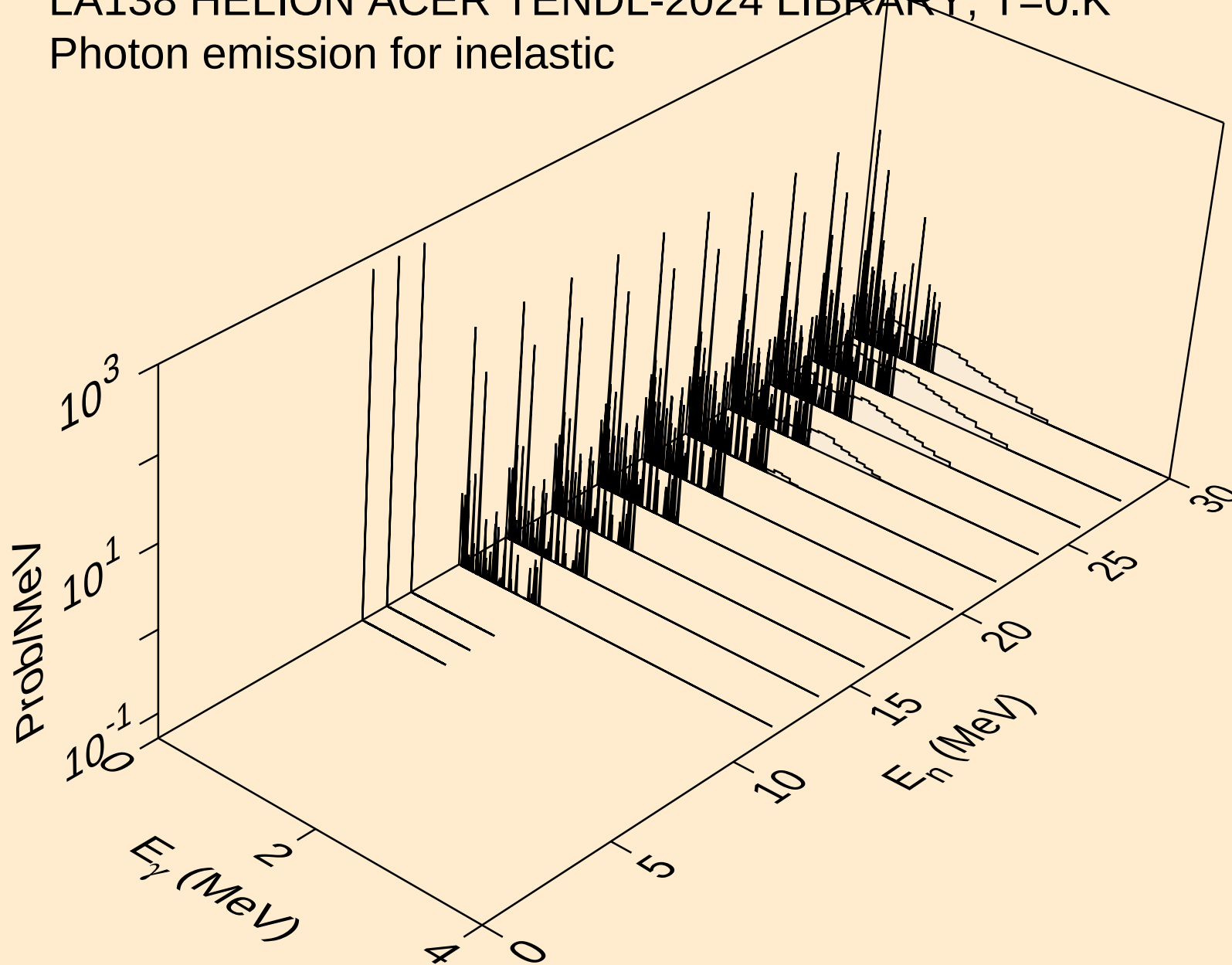
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)

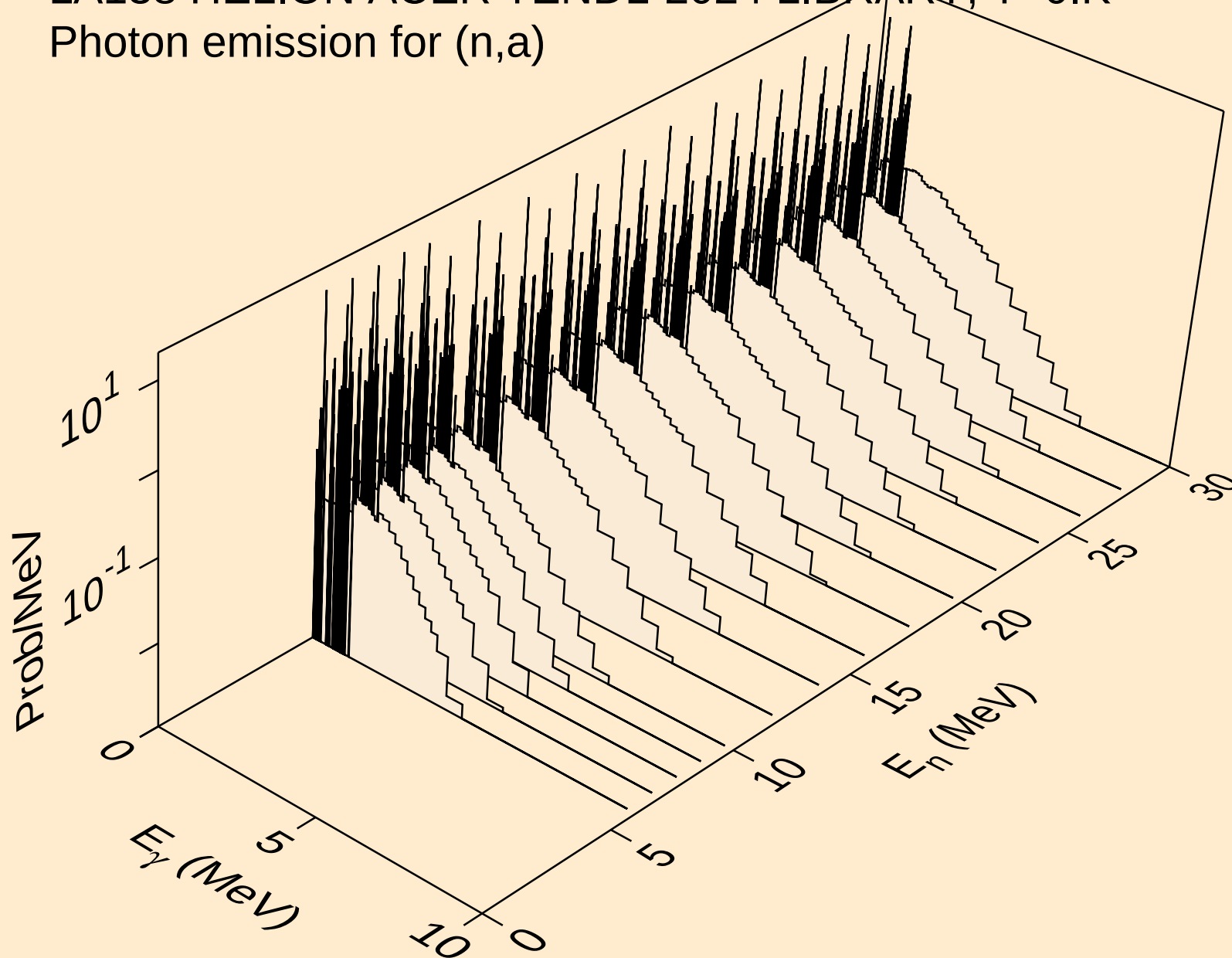


LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for inelastic

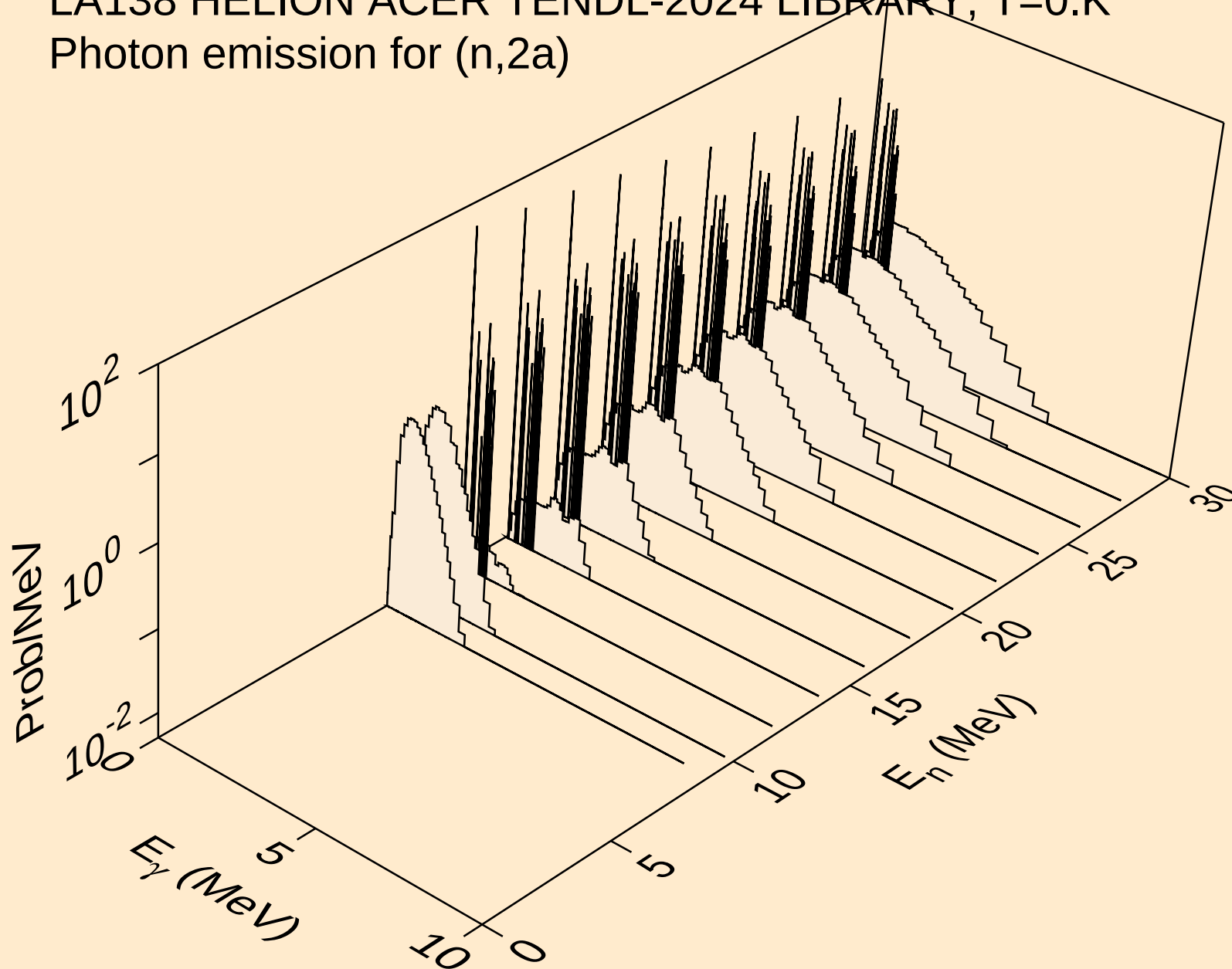




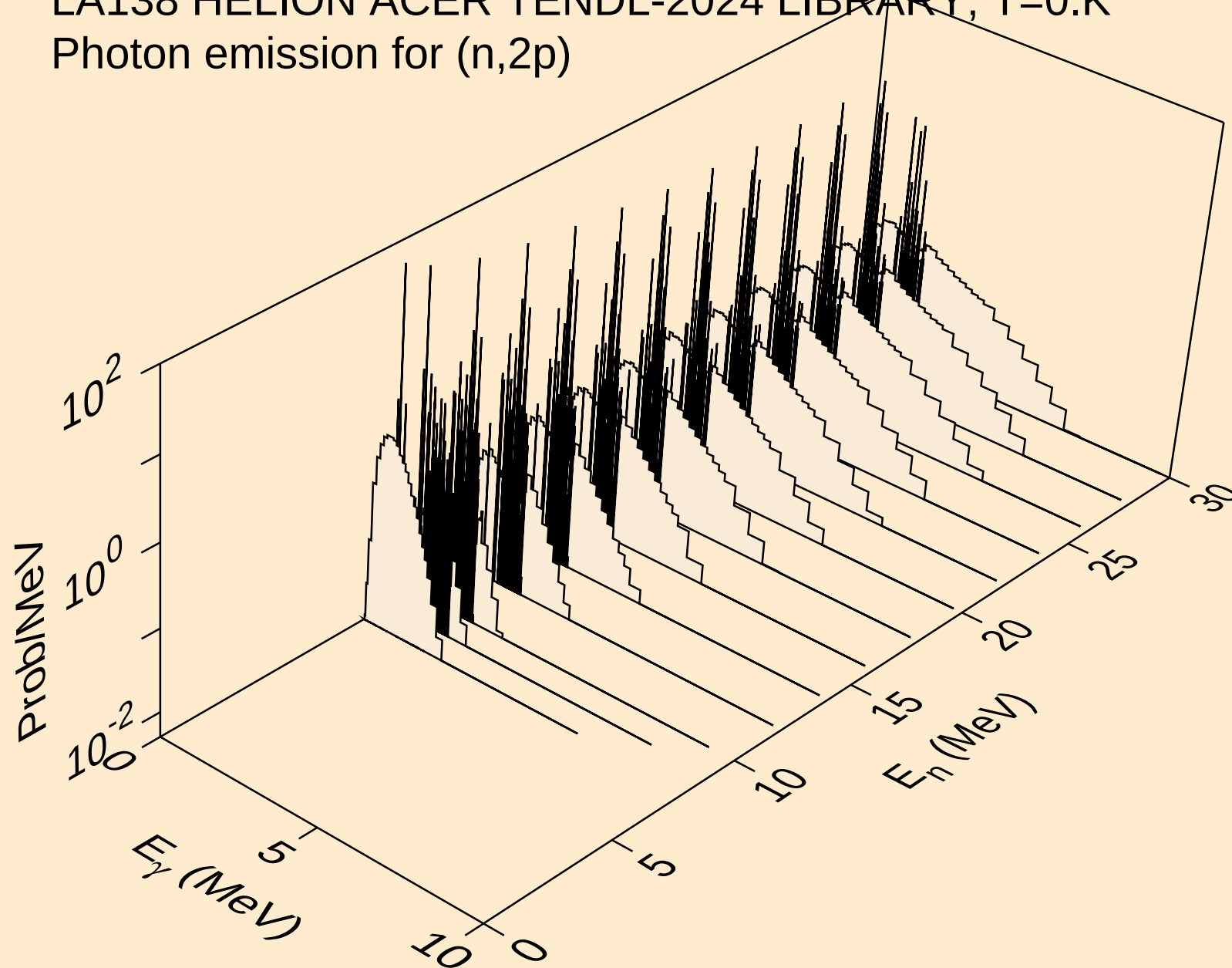
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



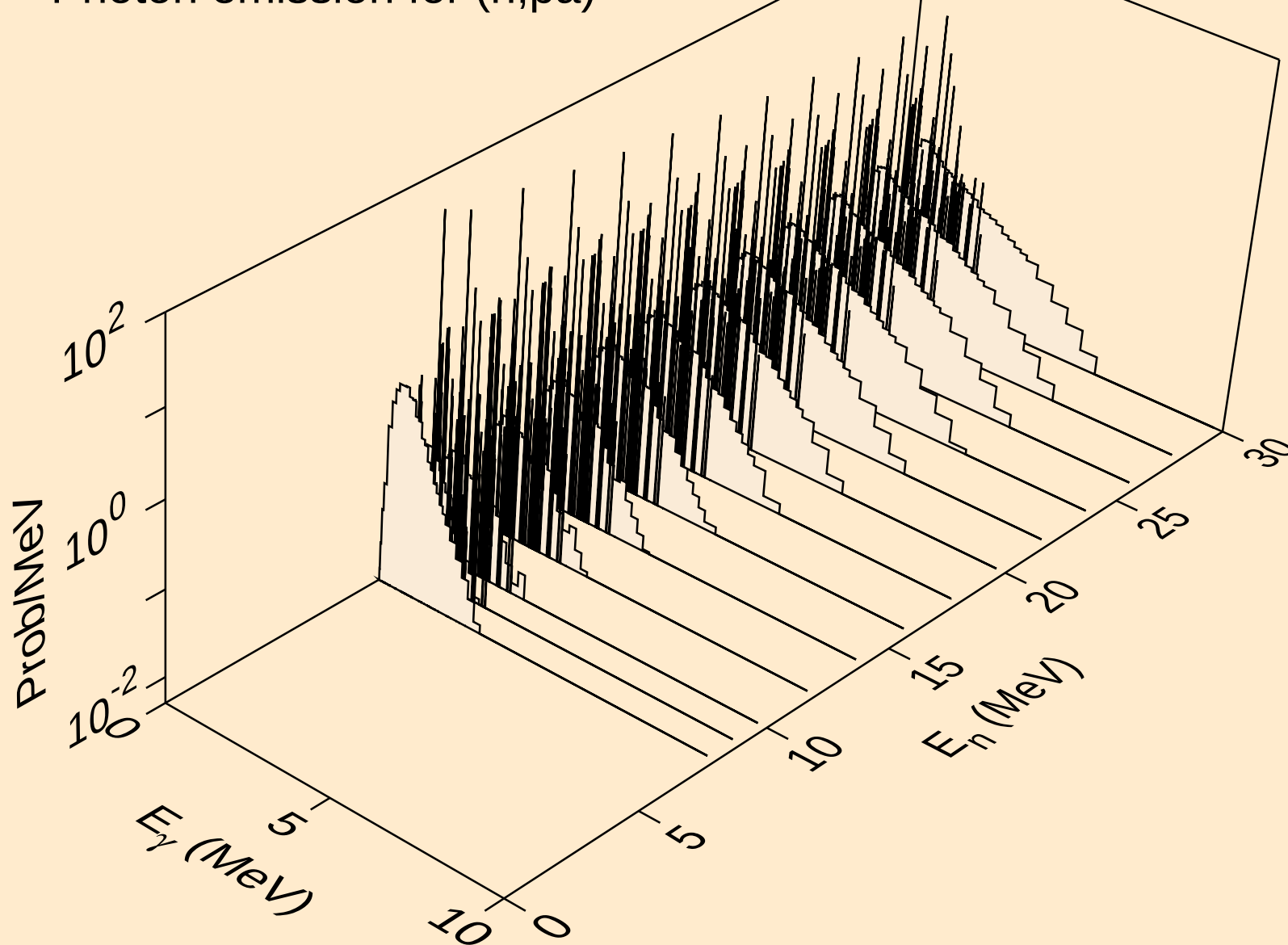
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Photon emission for (n,2a)



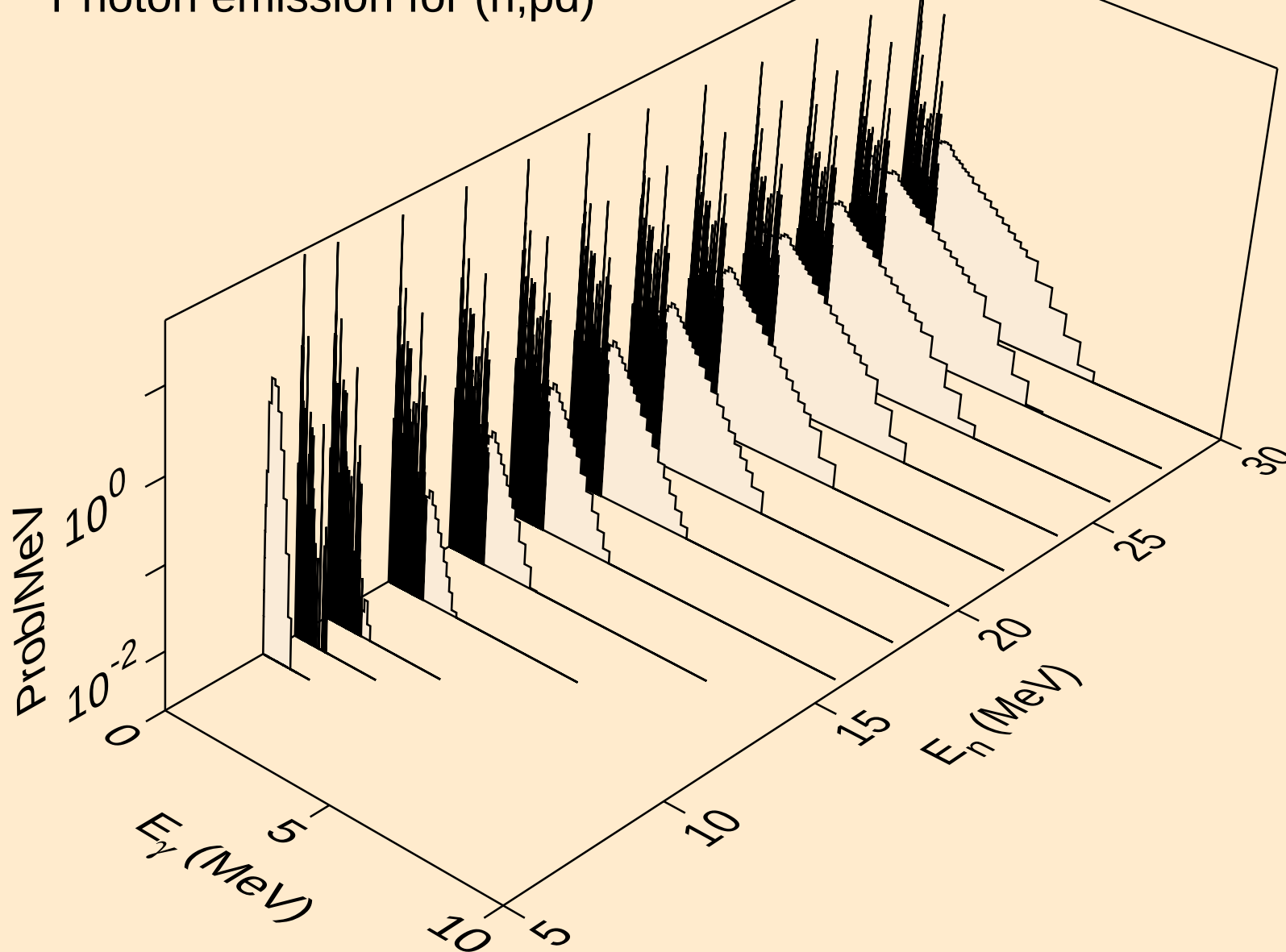
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



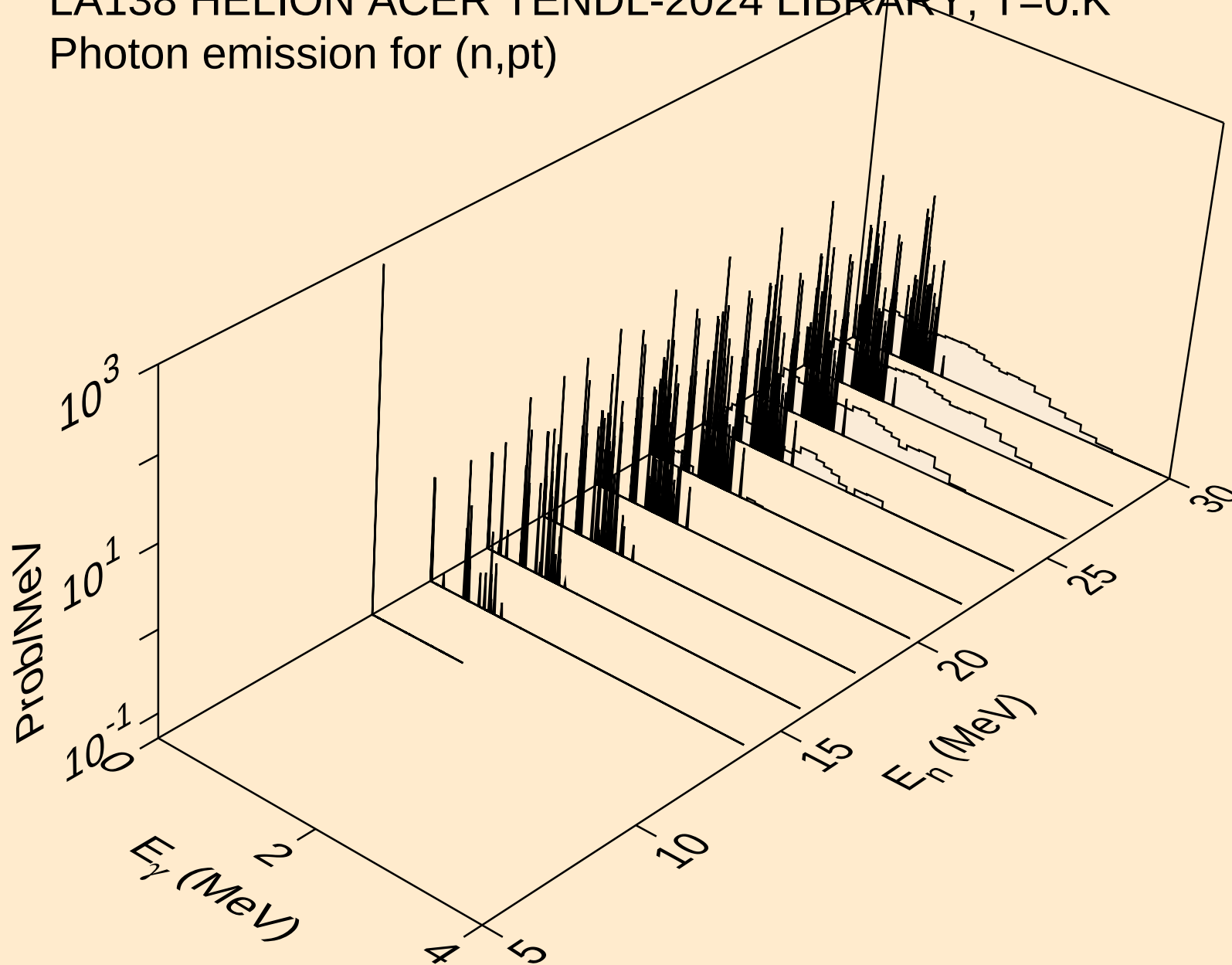
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



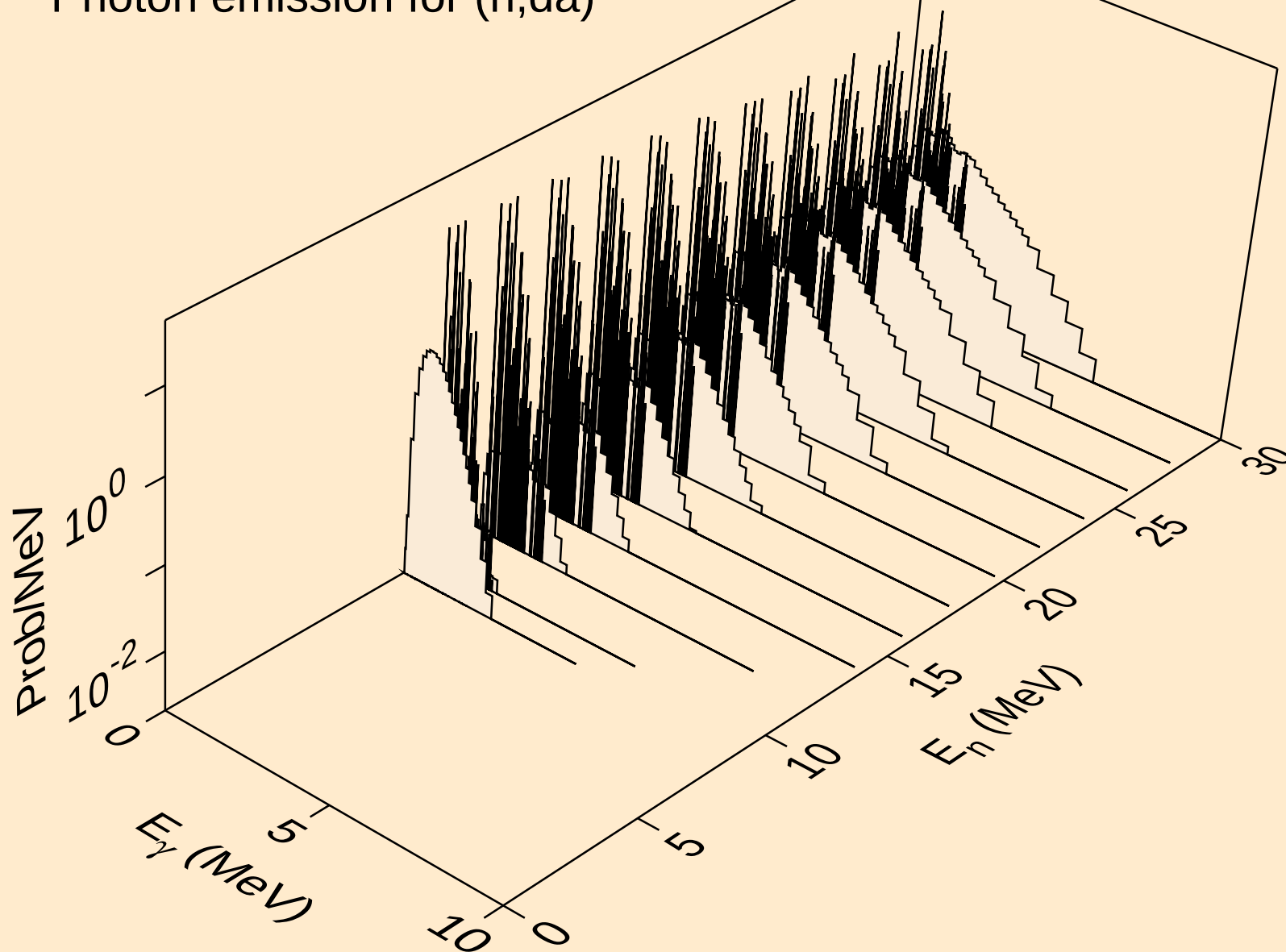
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Photon emission for (n,pd)



LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)

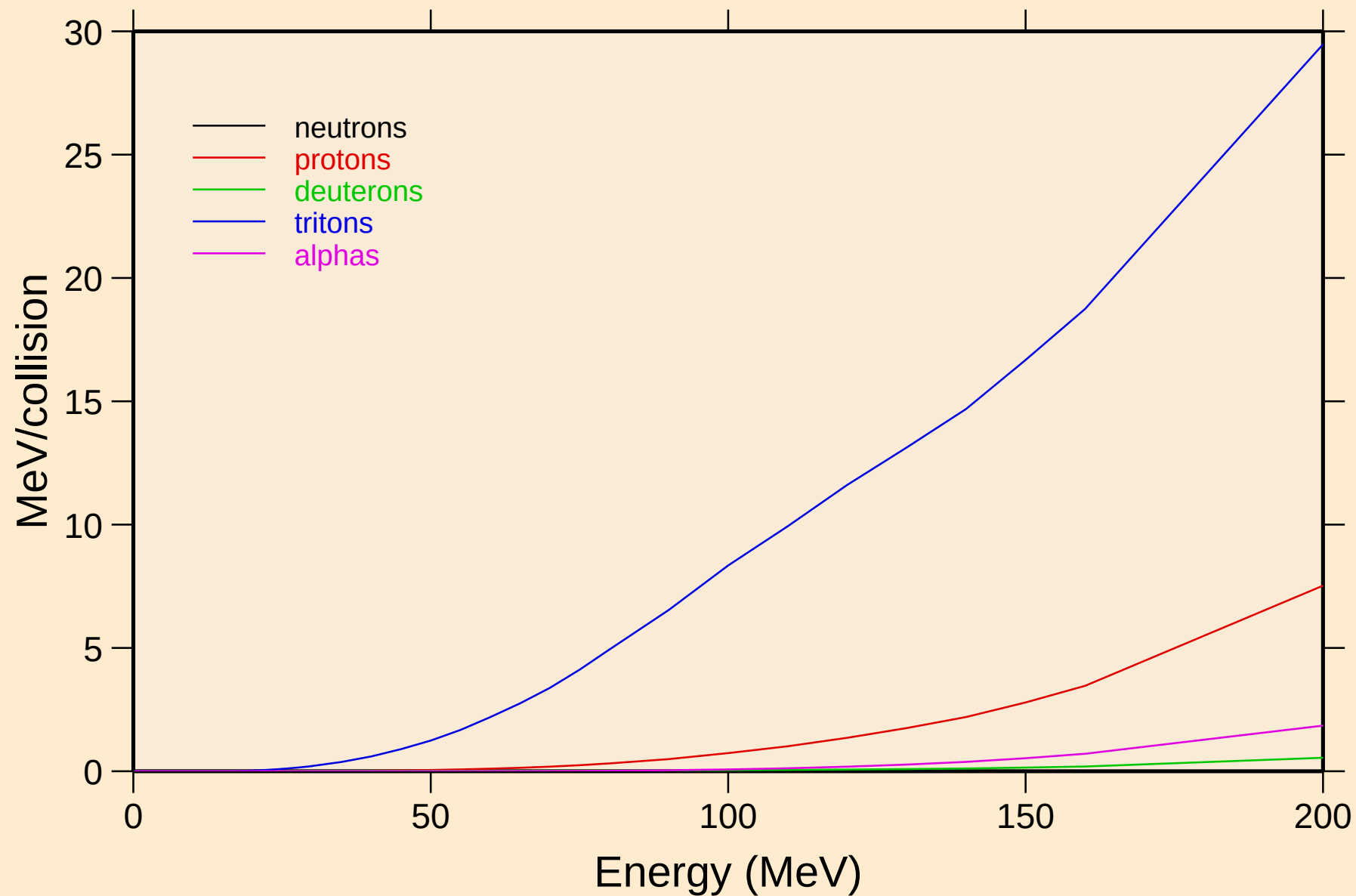


LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



# LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K

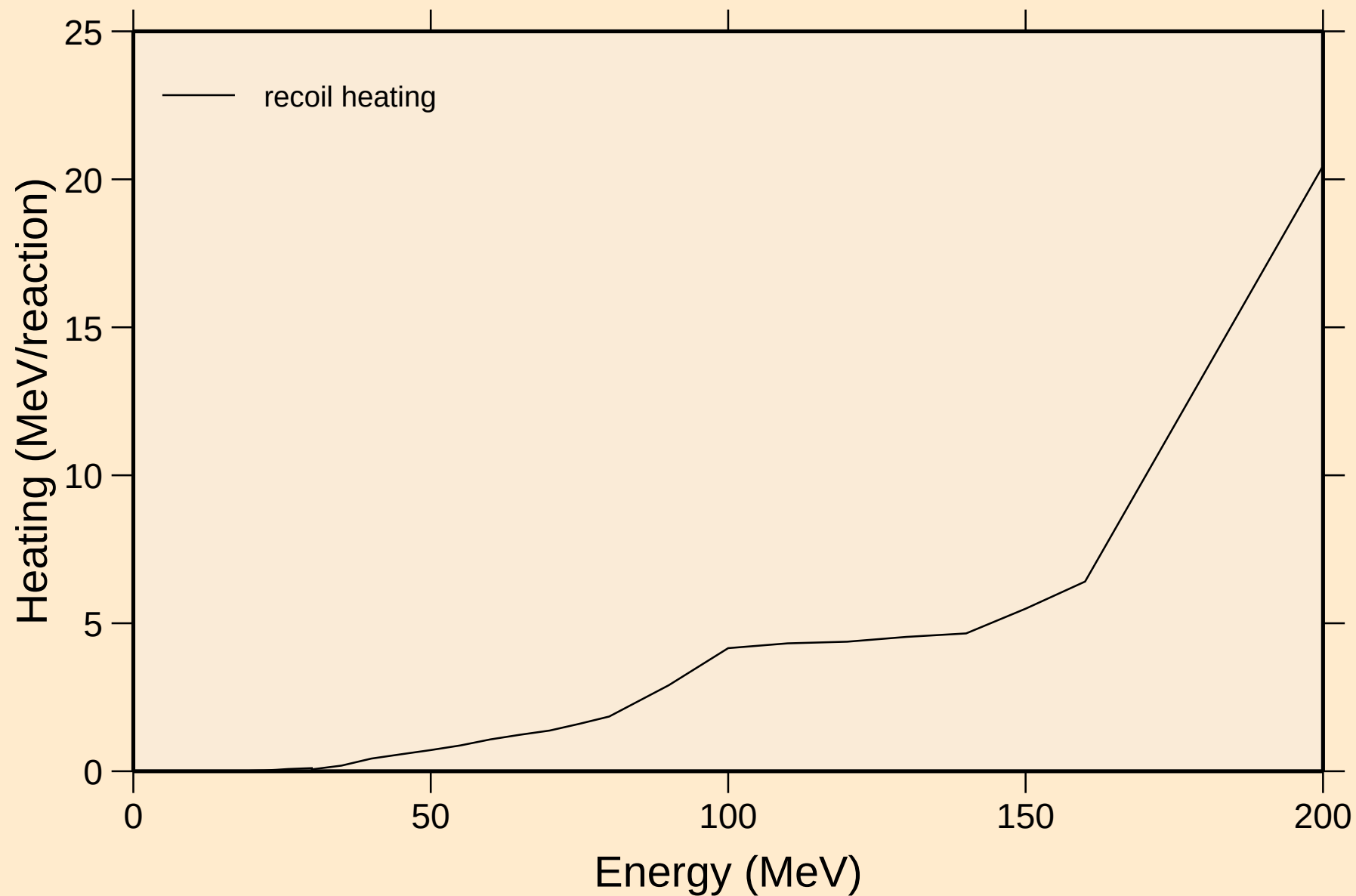
## Particle heating contributions





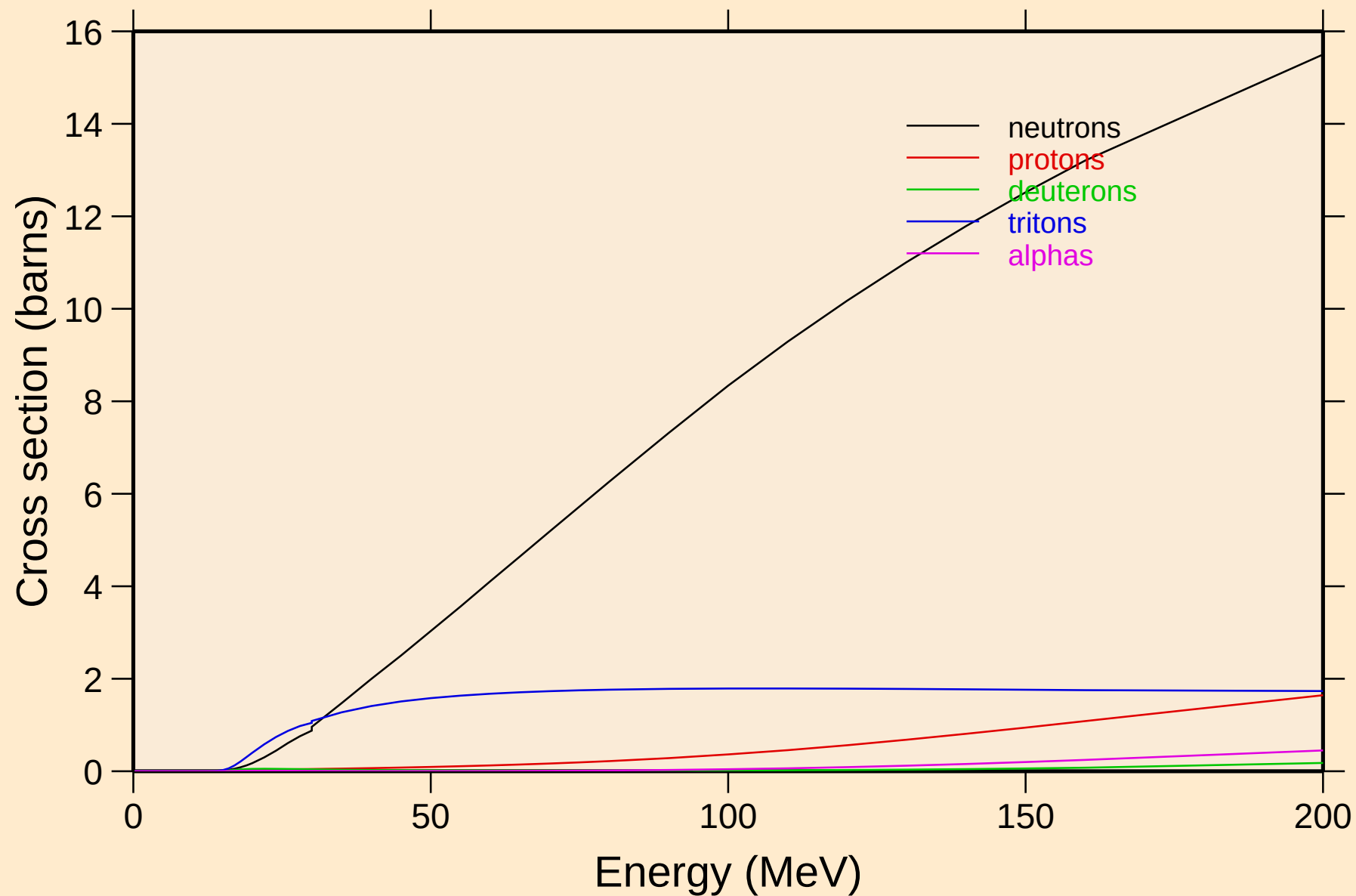
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Recoil Heating

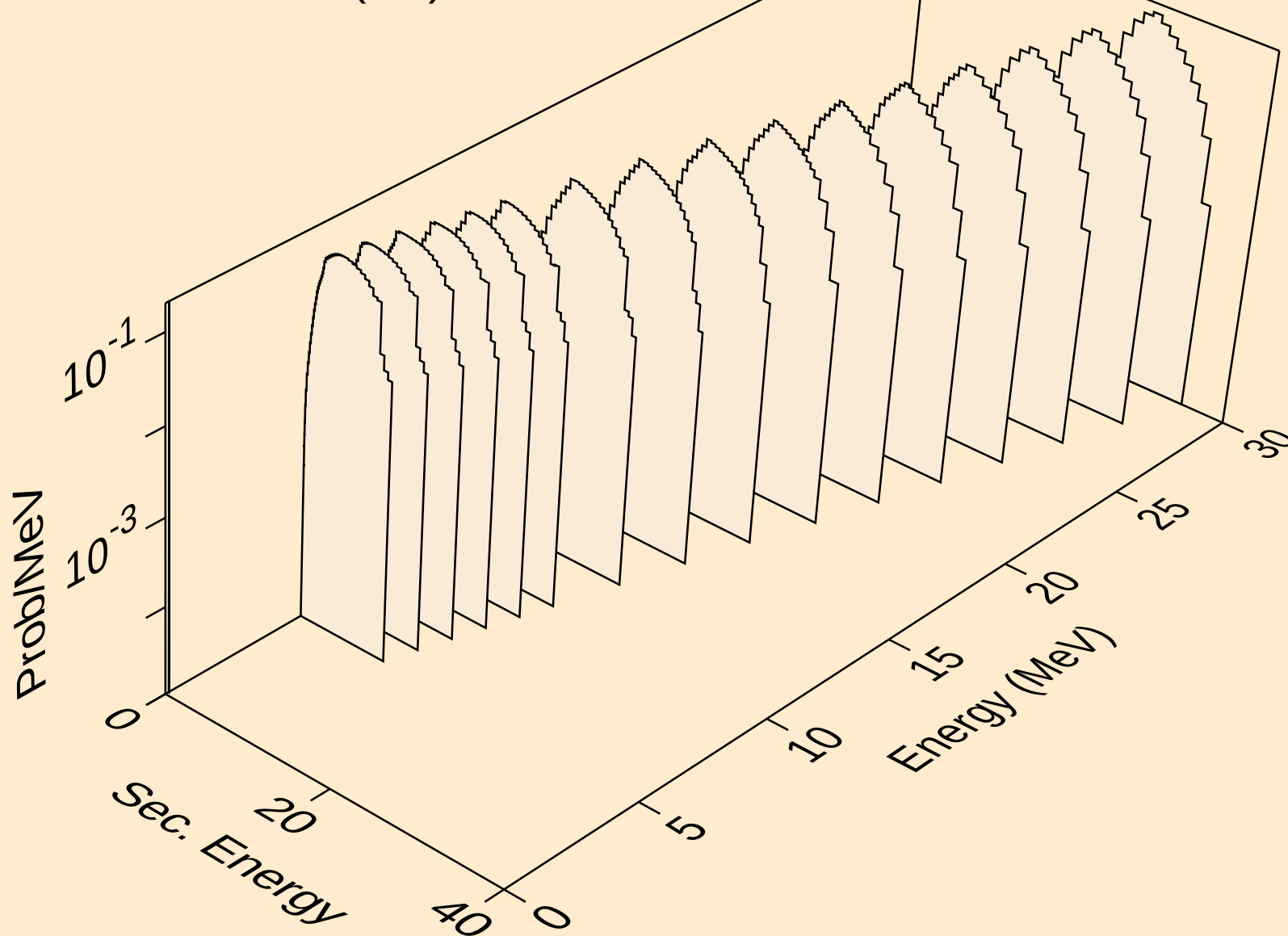


# LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K

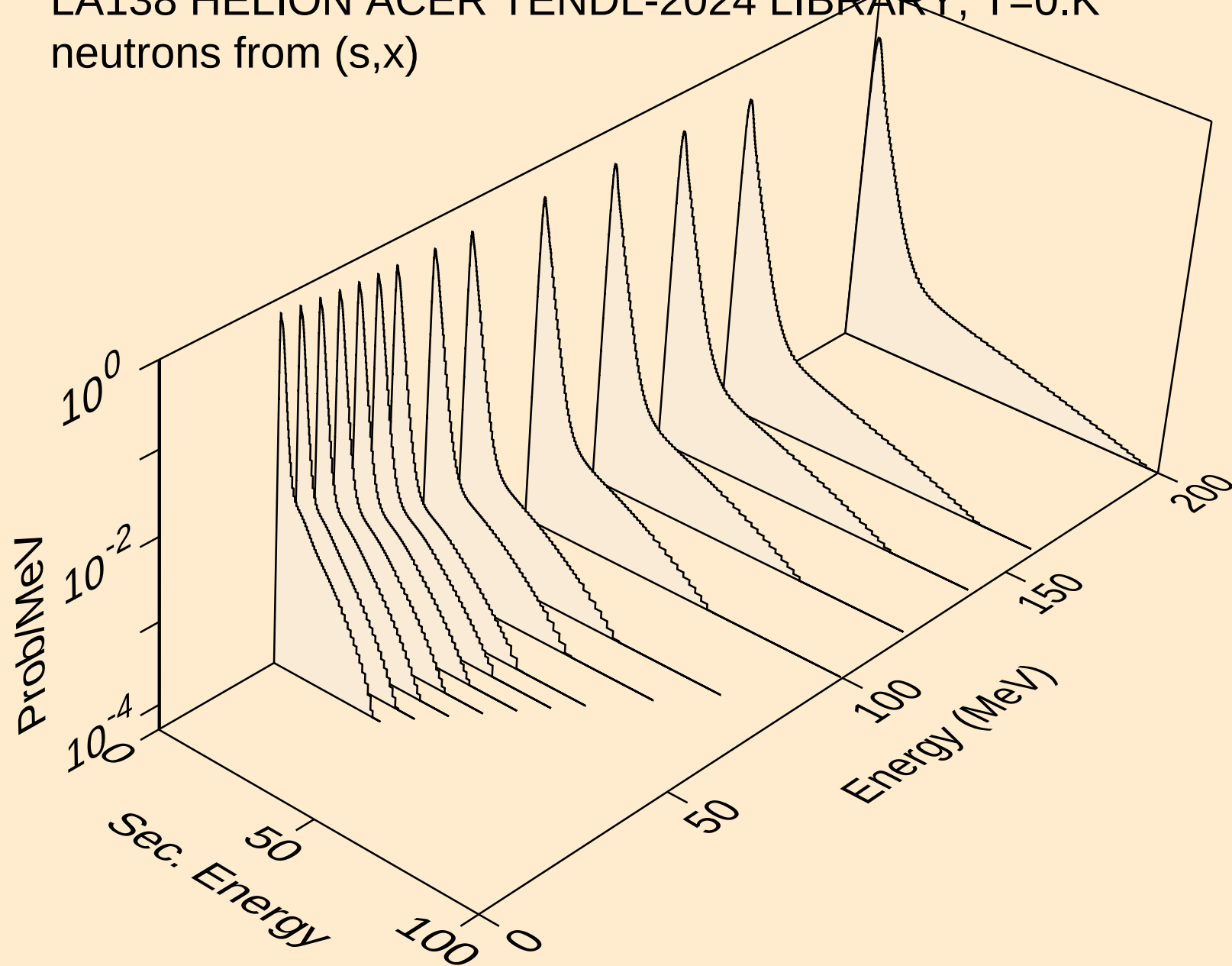
## Particle production cross sections



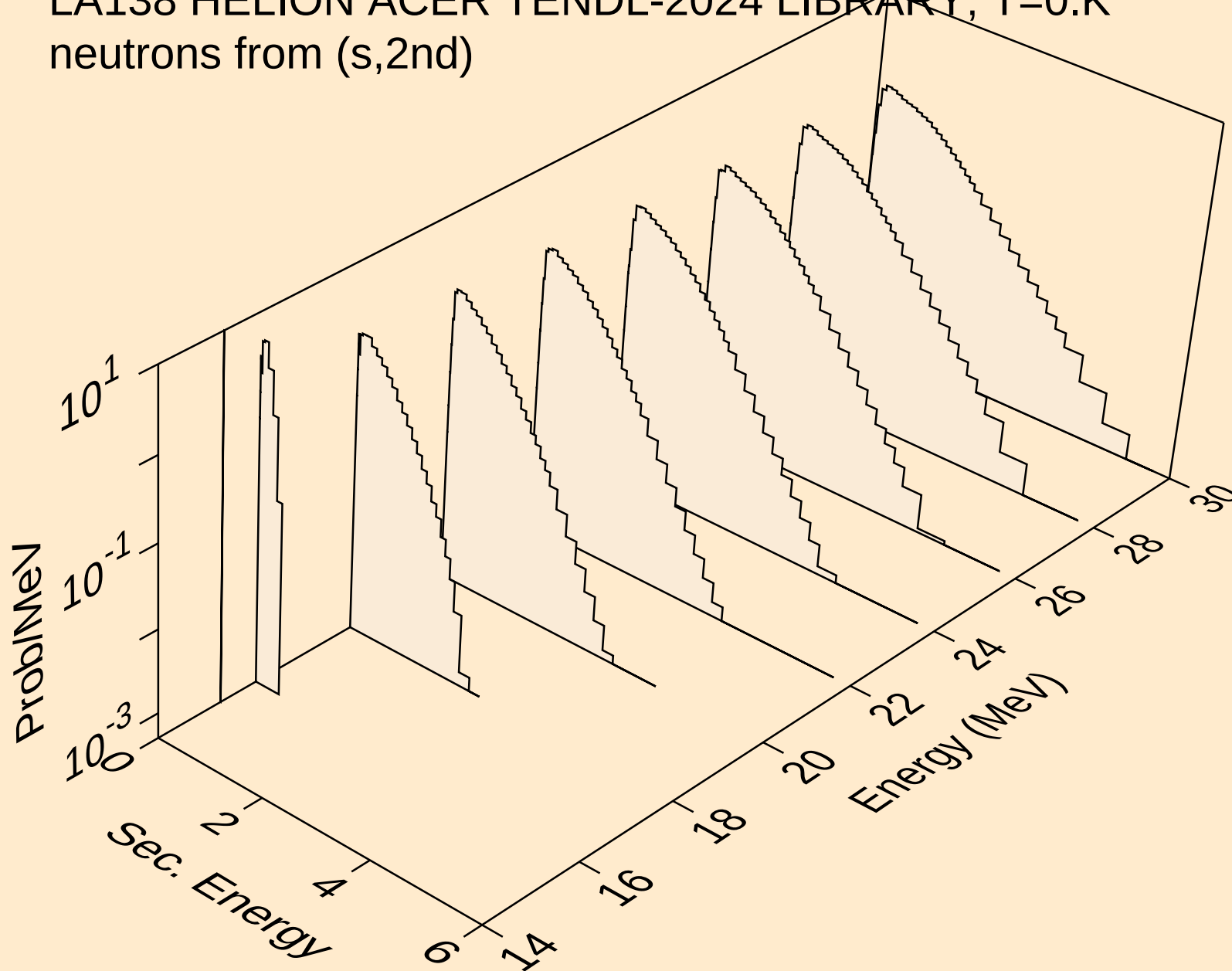
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n)



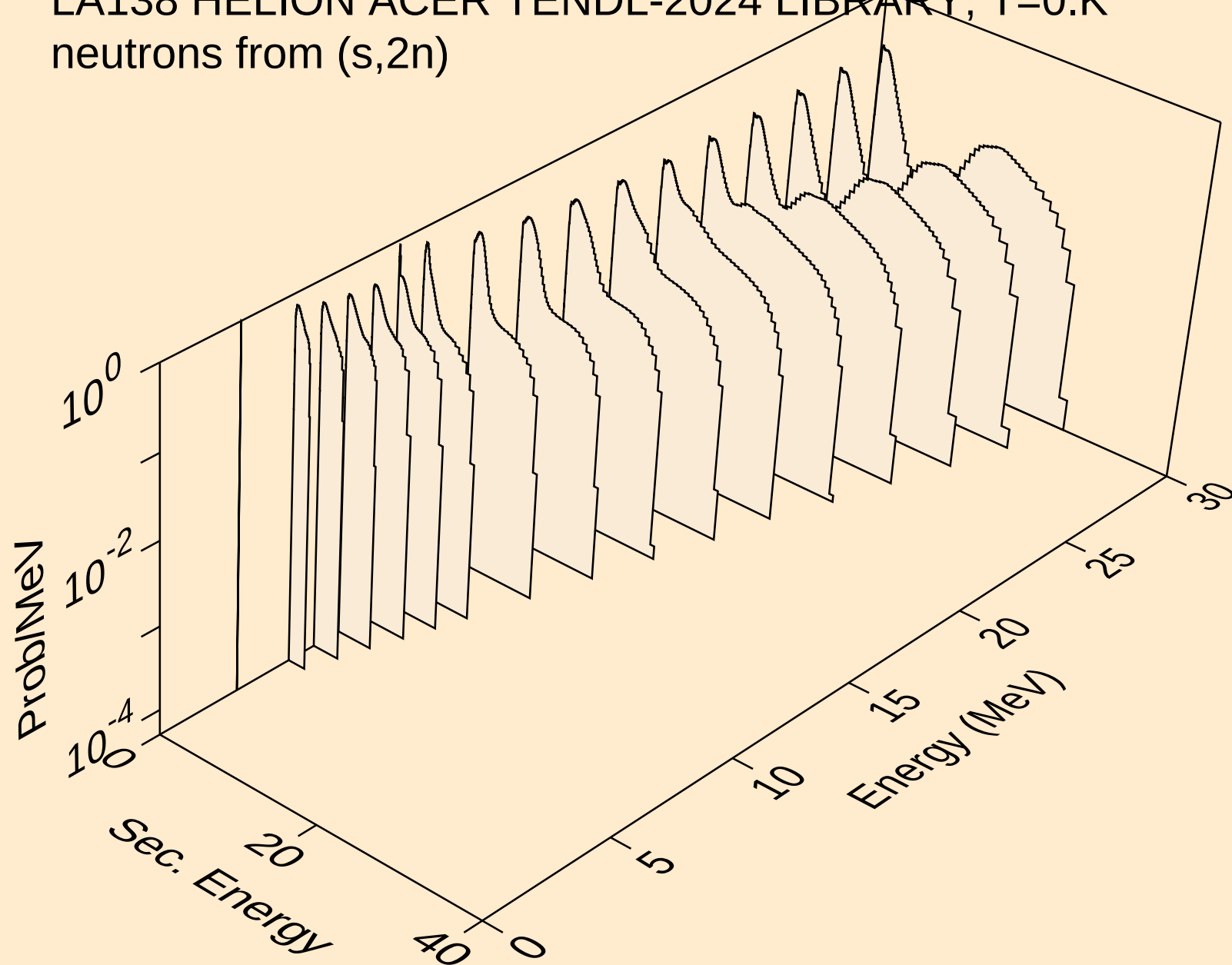
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,x)



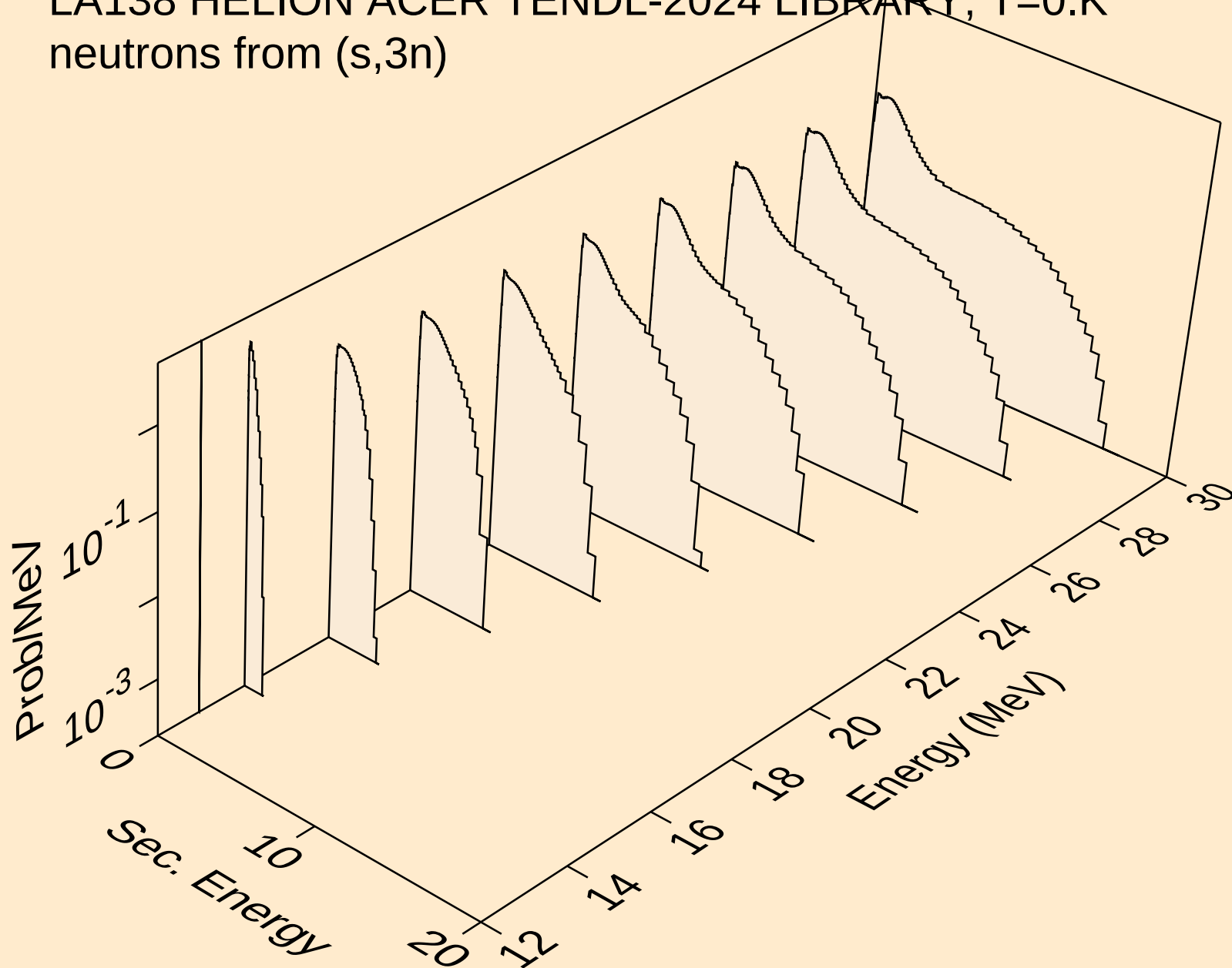
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,2nd)



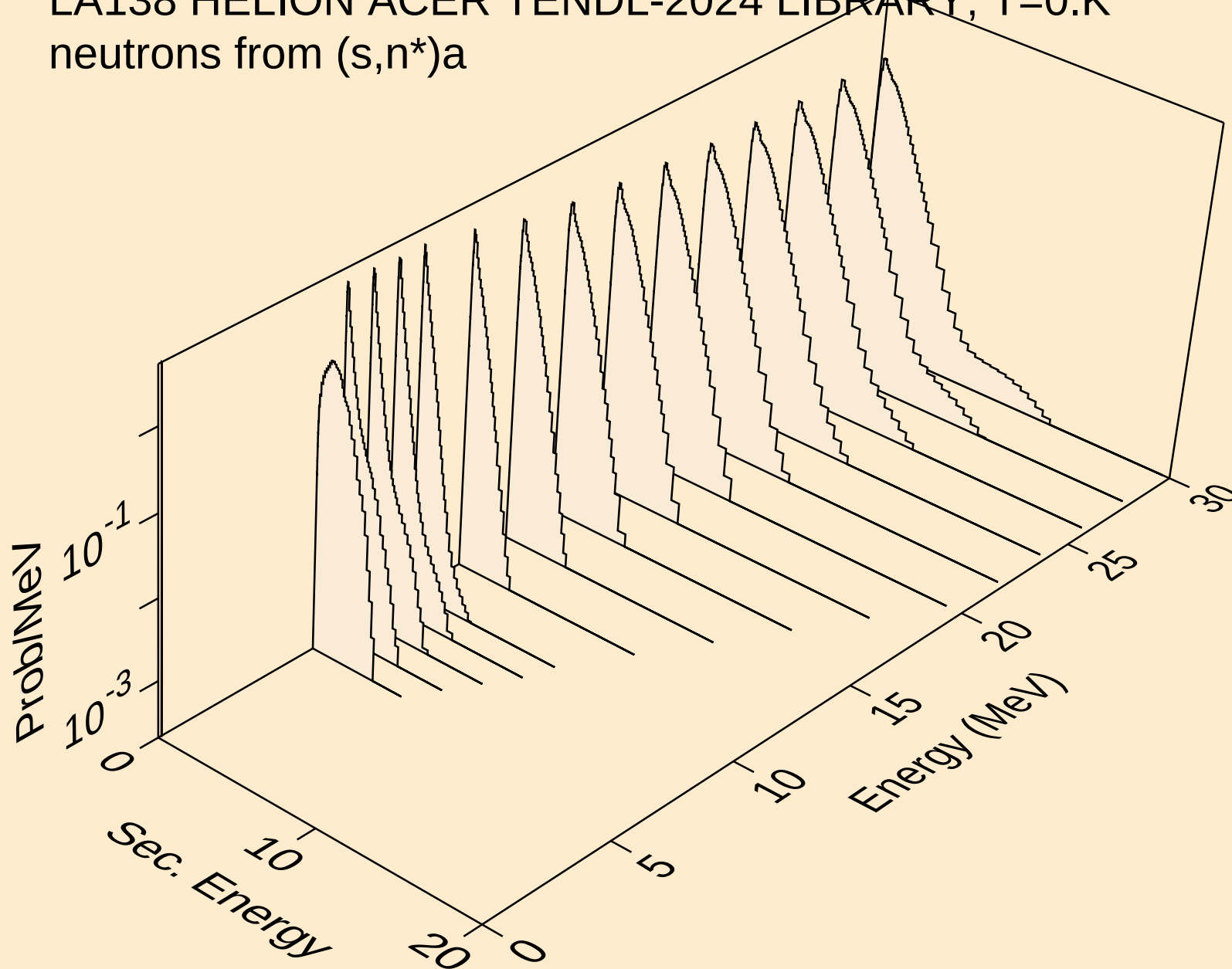
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,2n)



LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,3n)

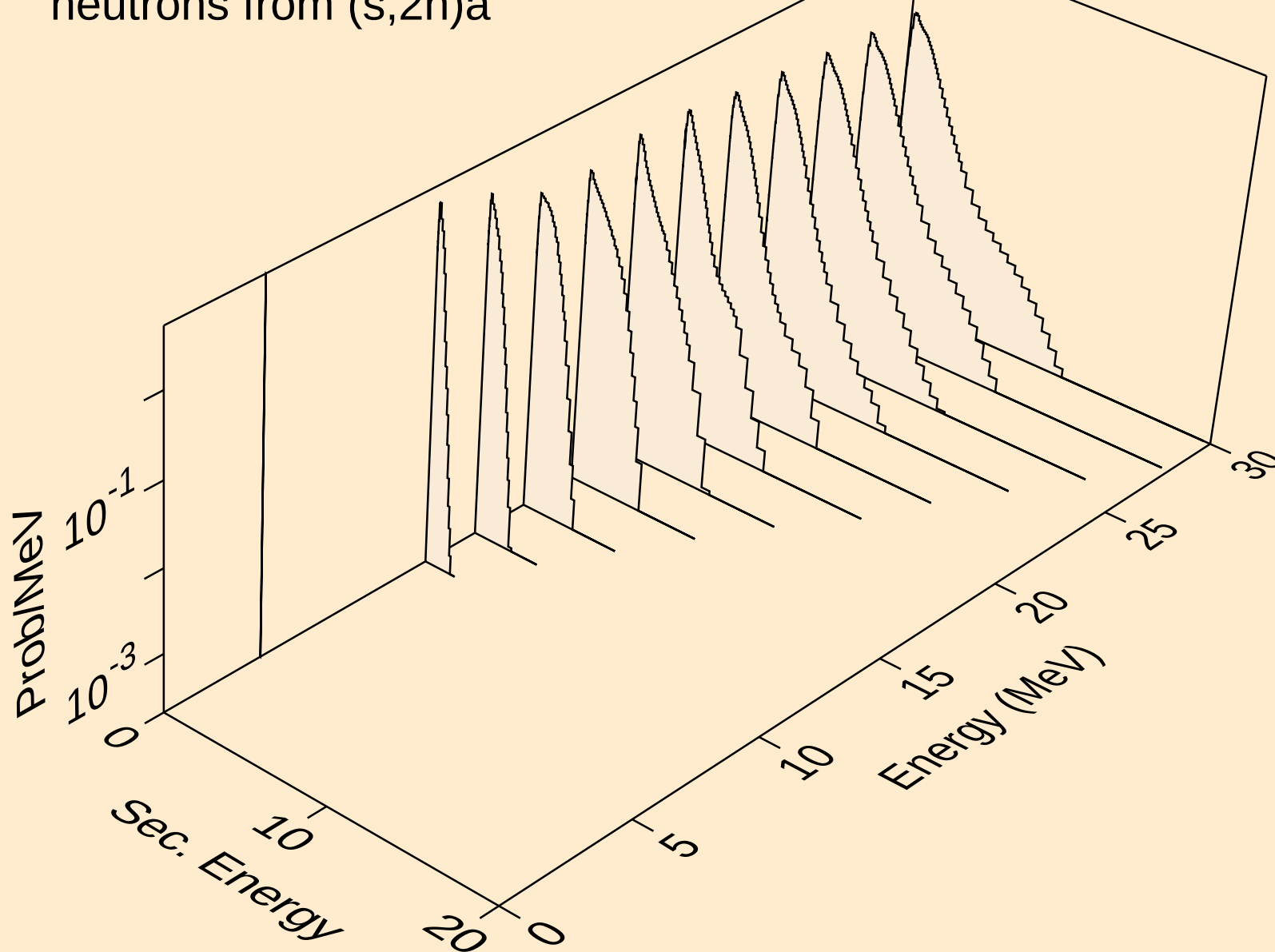


LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)a

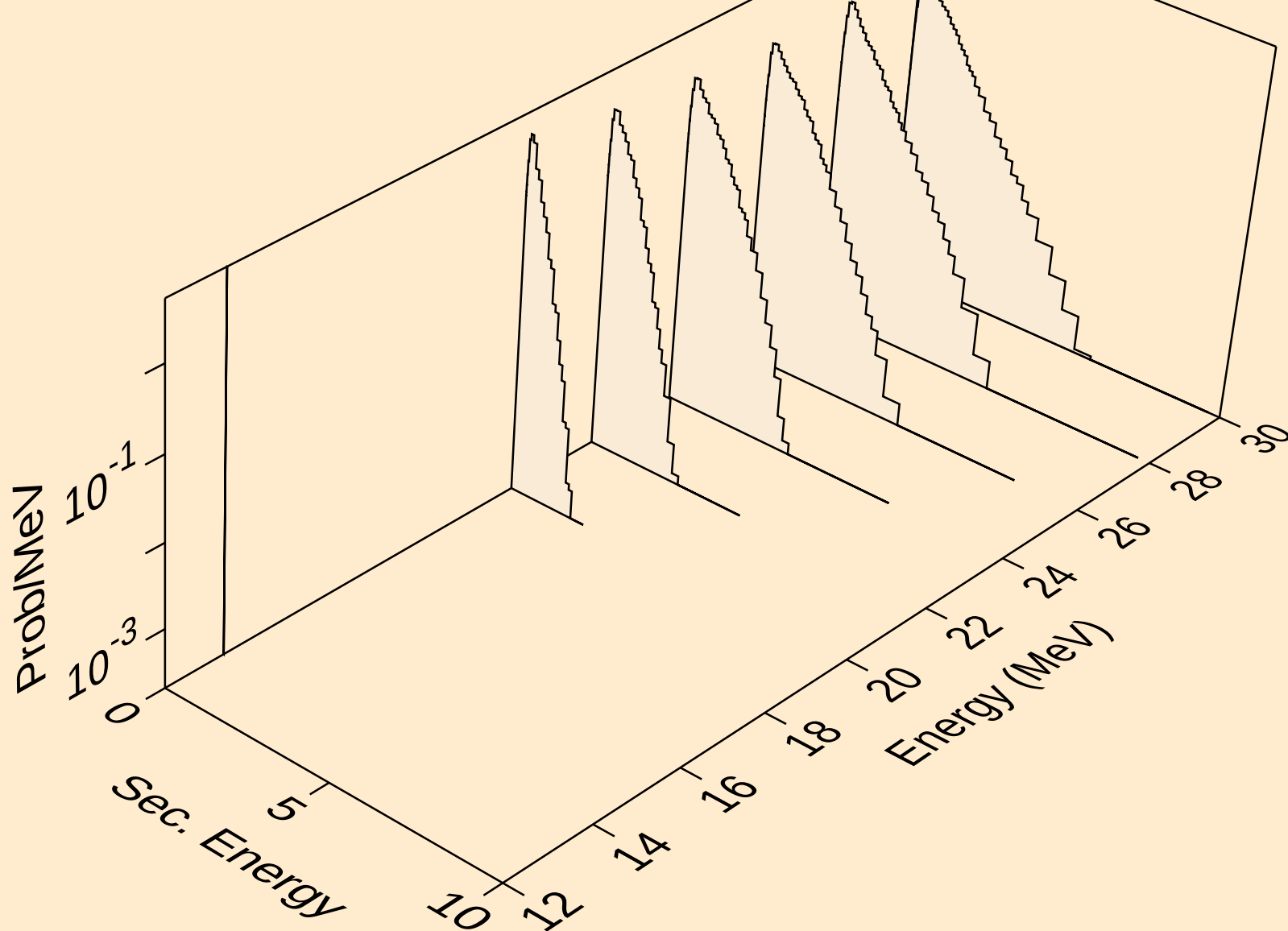




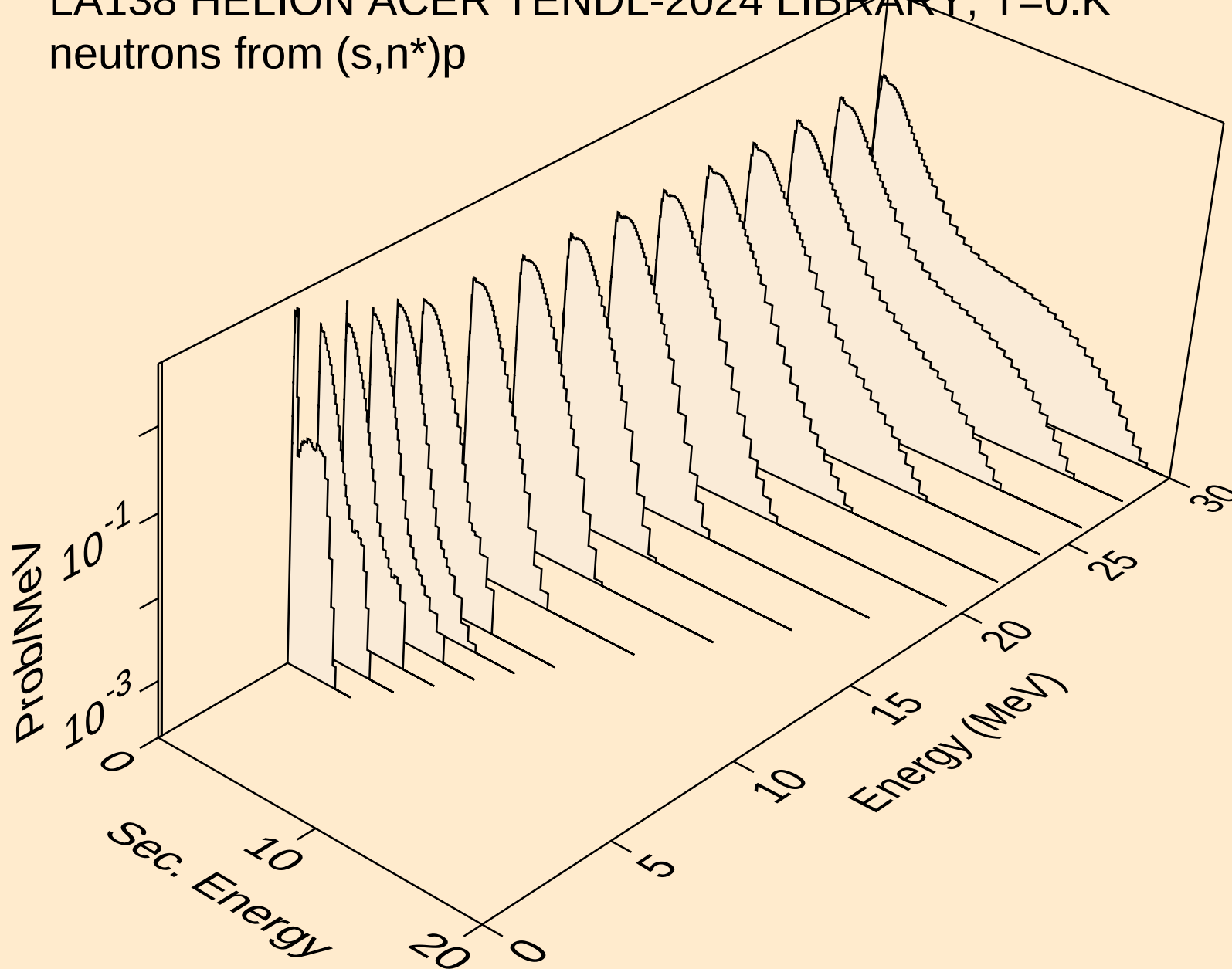
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,2n)a



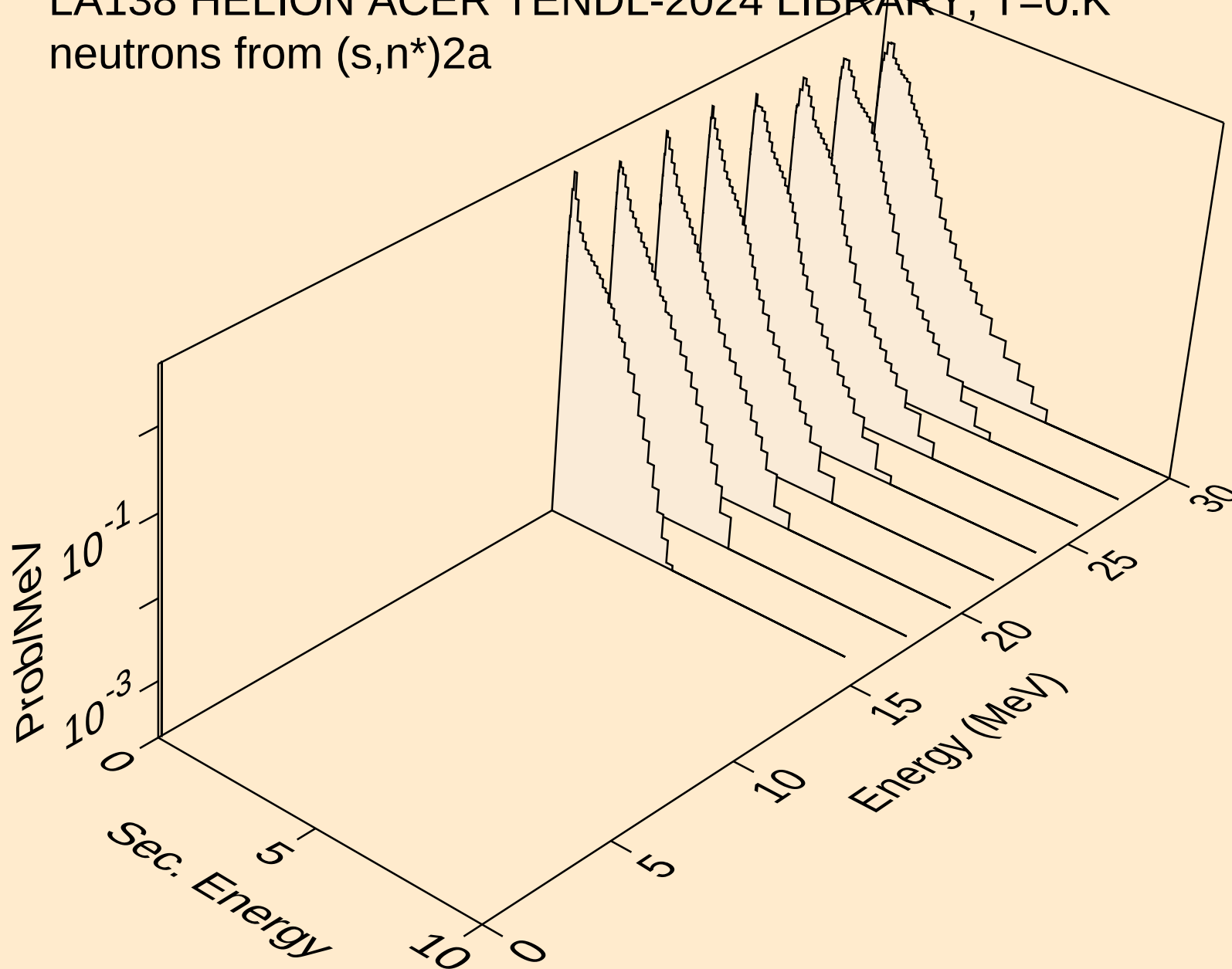
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,3n)a



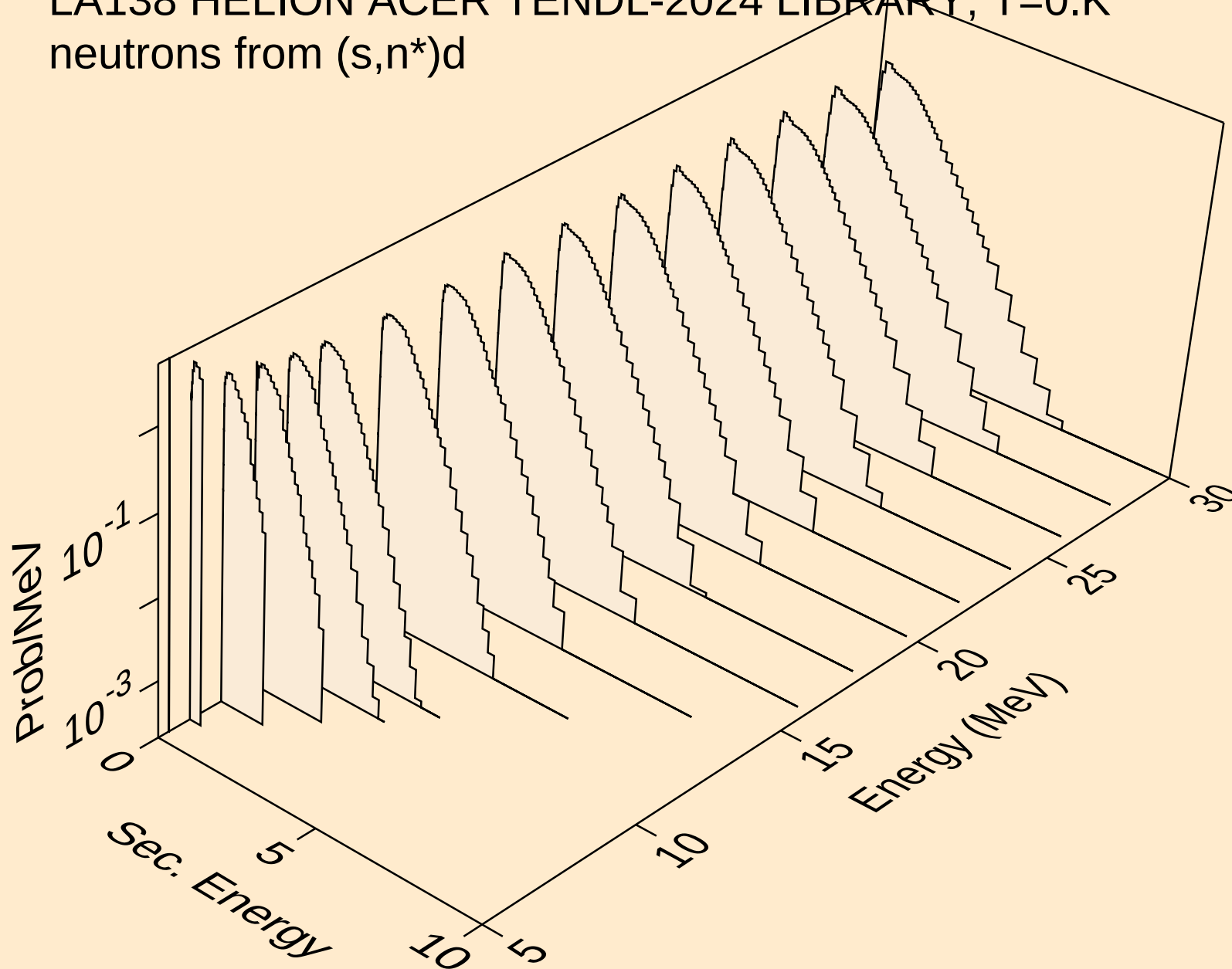
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)p



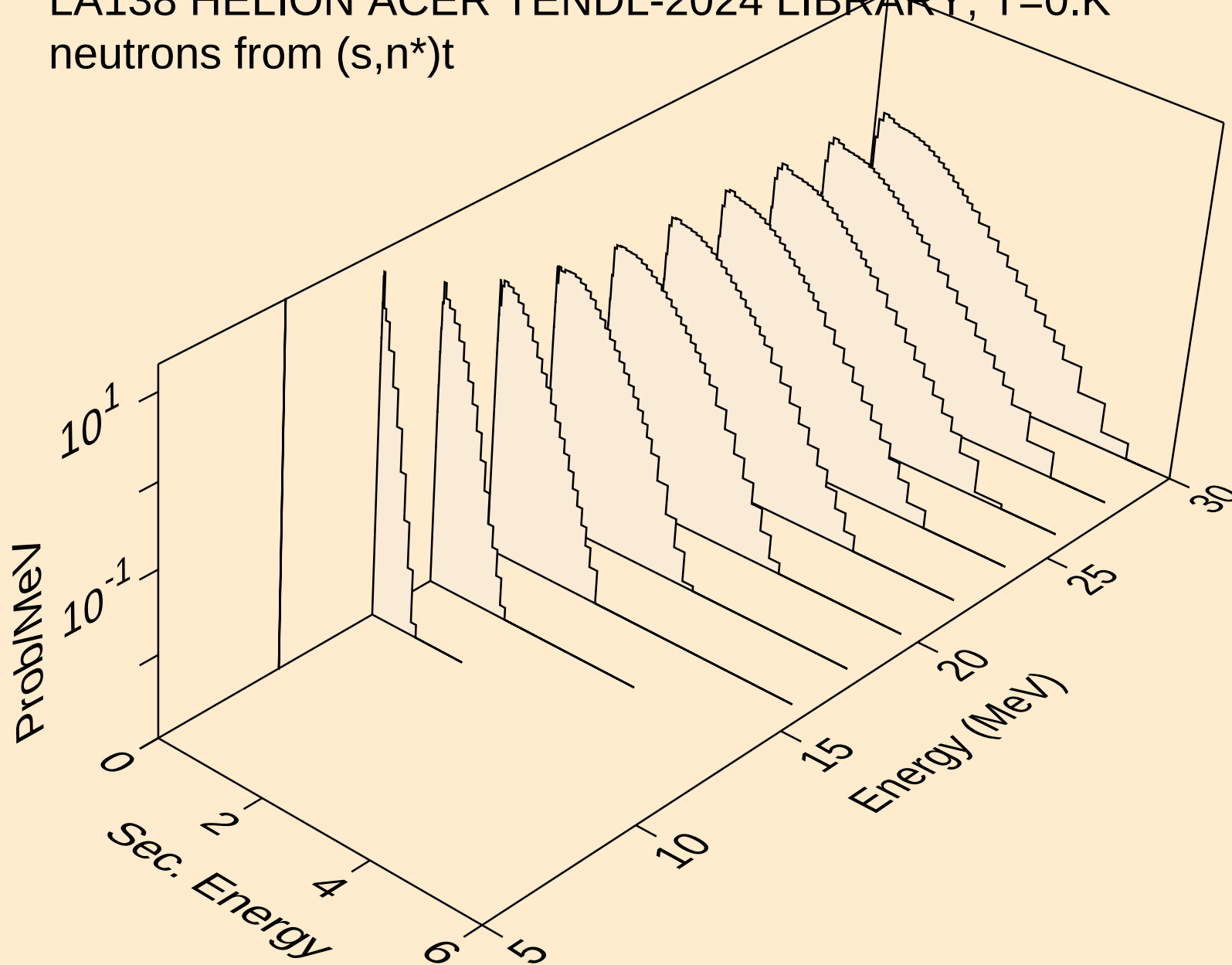
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neutrons from (s,n\*)2a



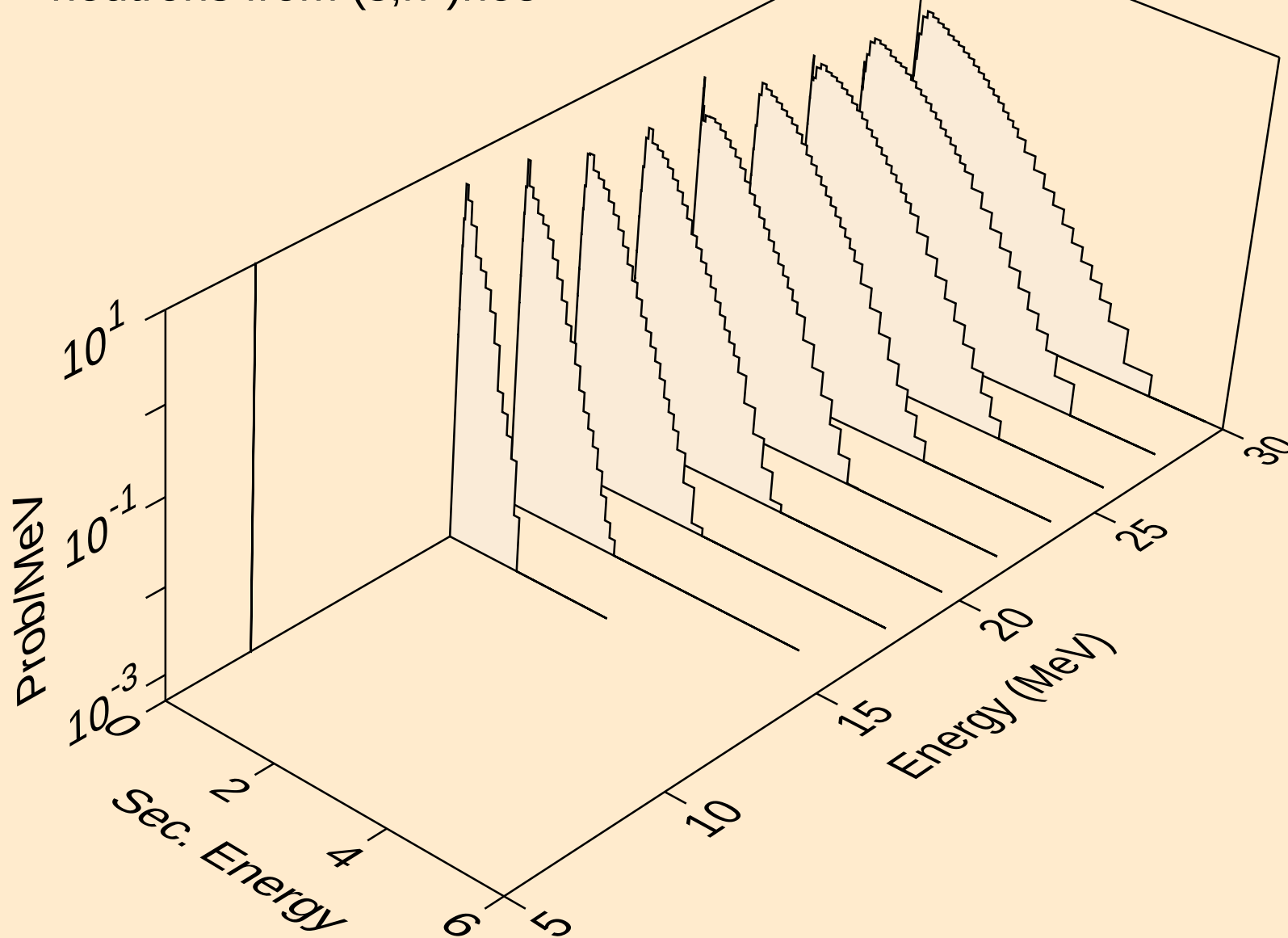
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)d



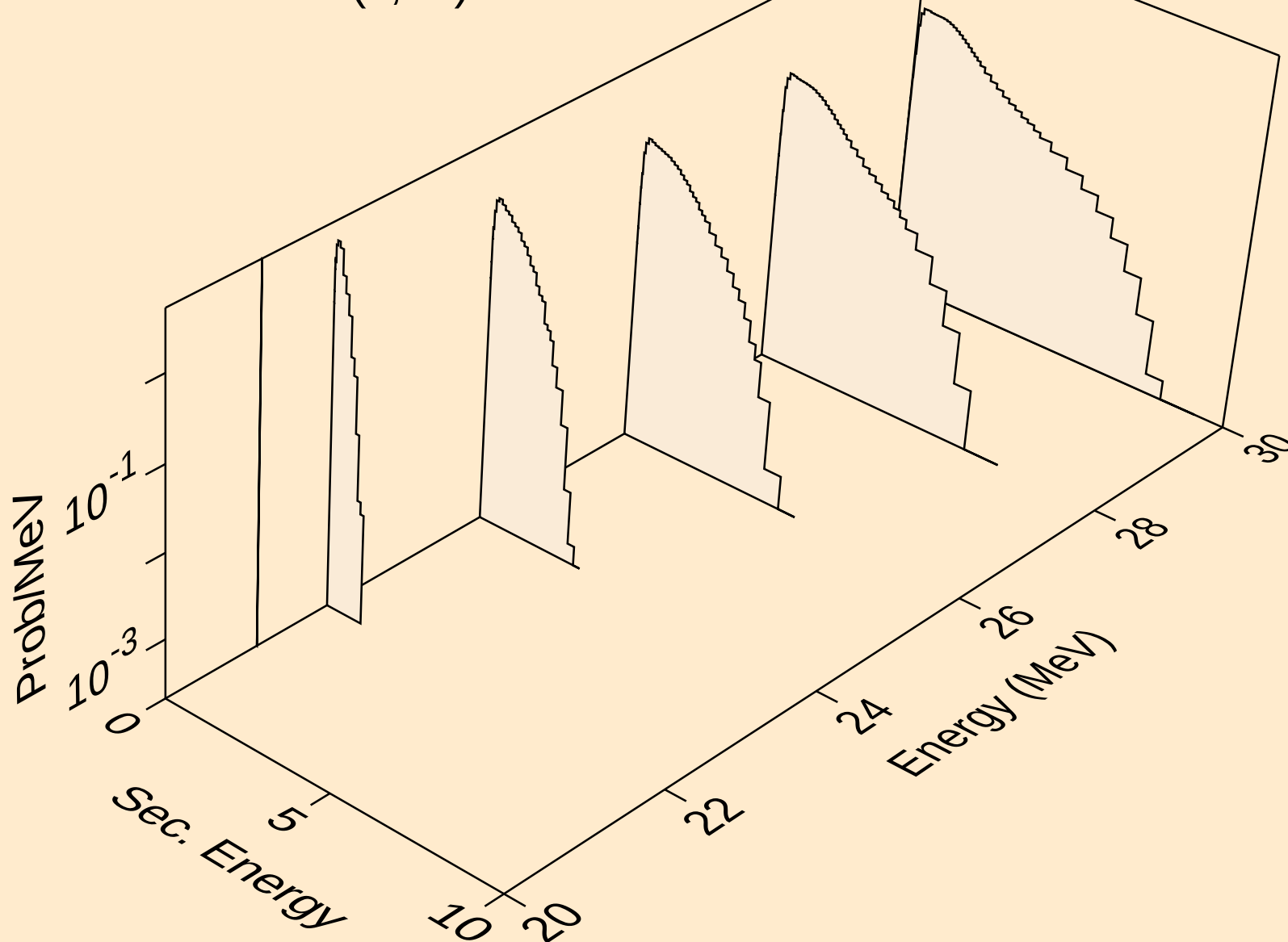
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)t



LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)he3

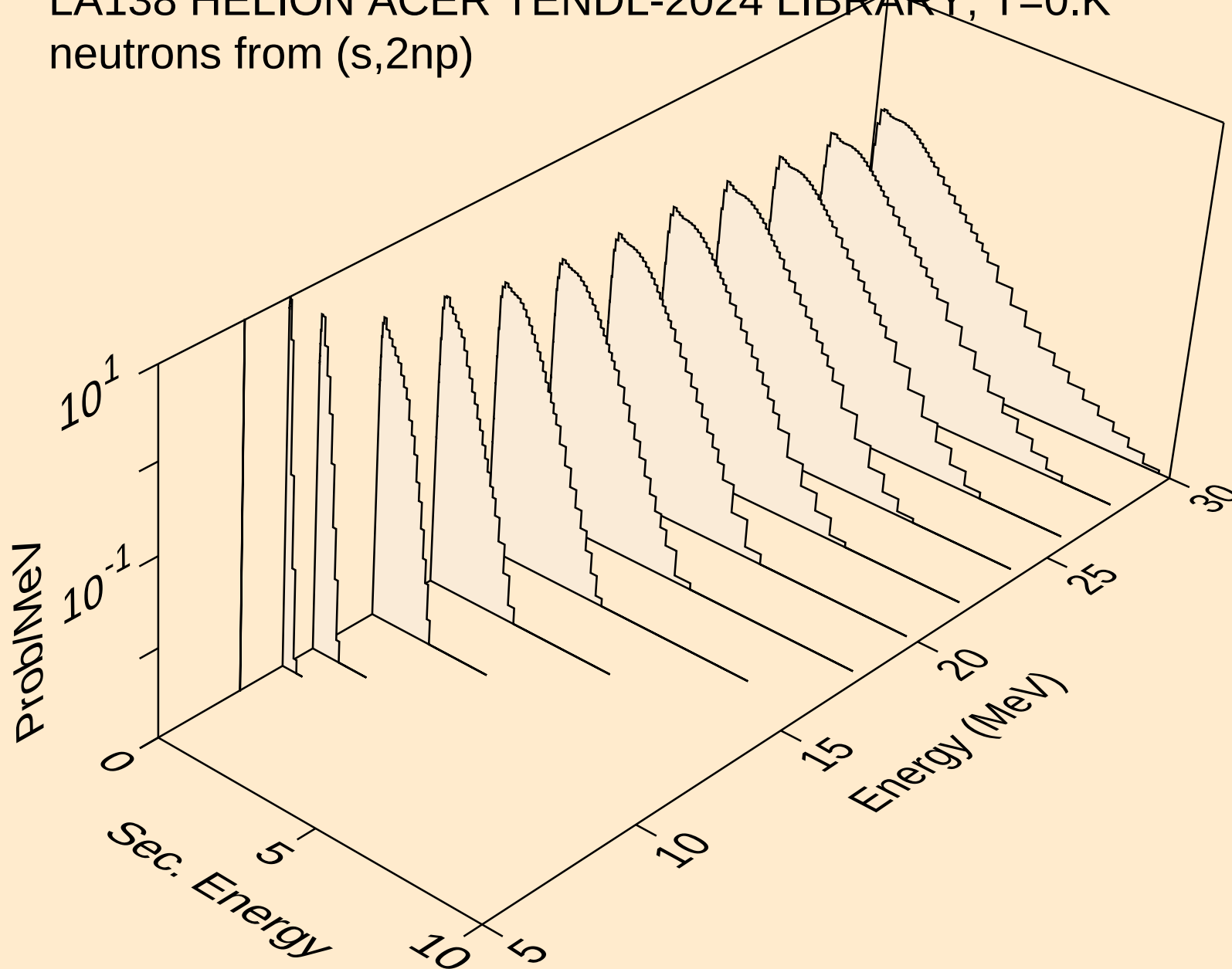


LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,4n)

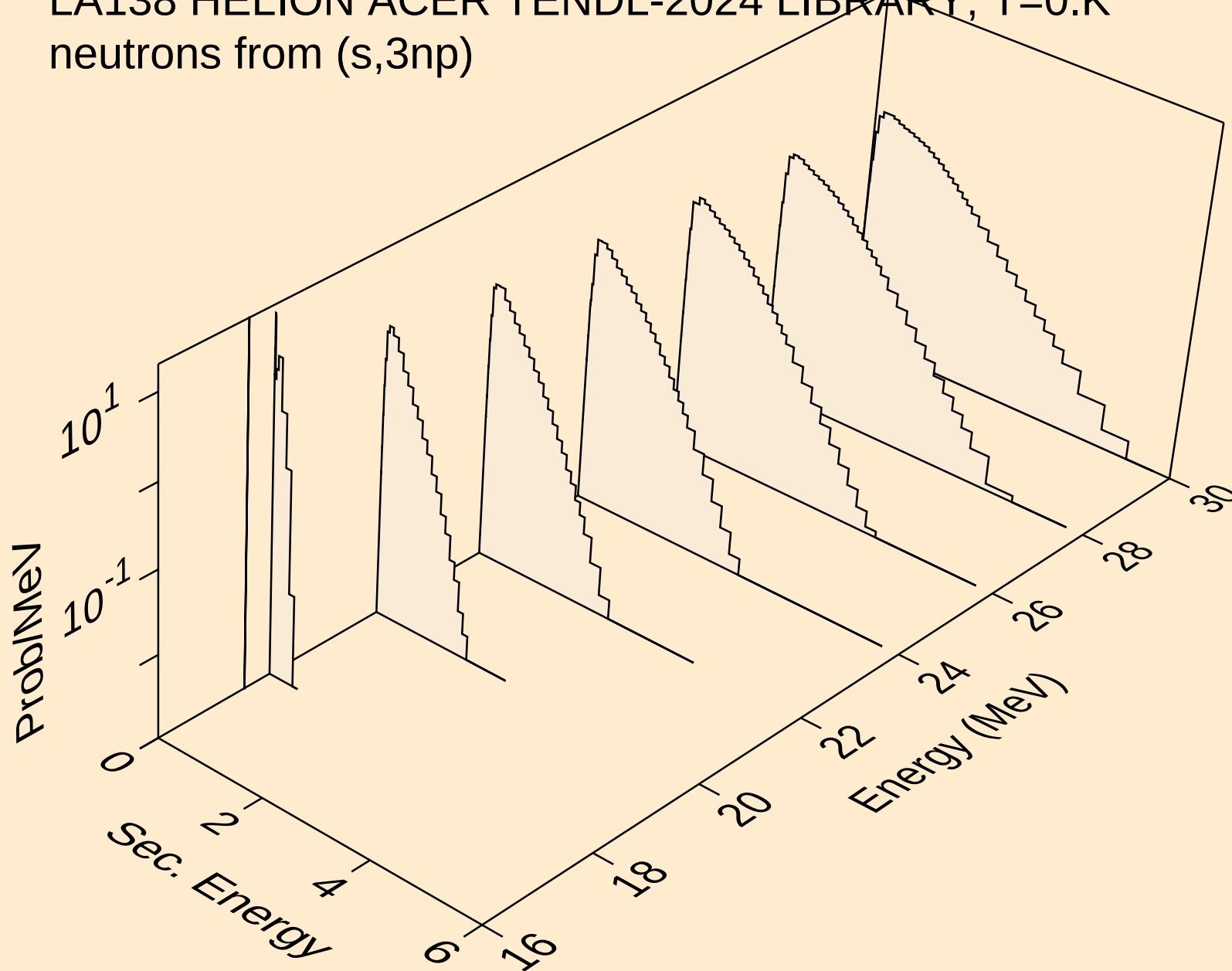




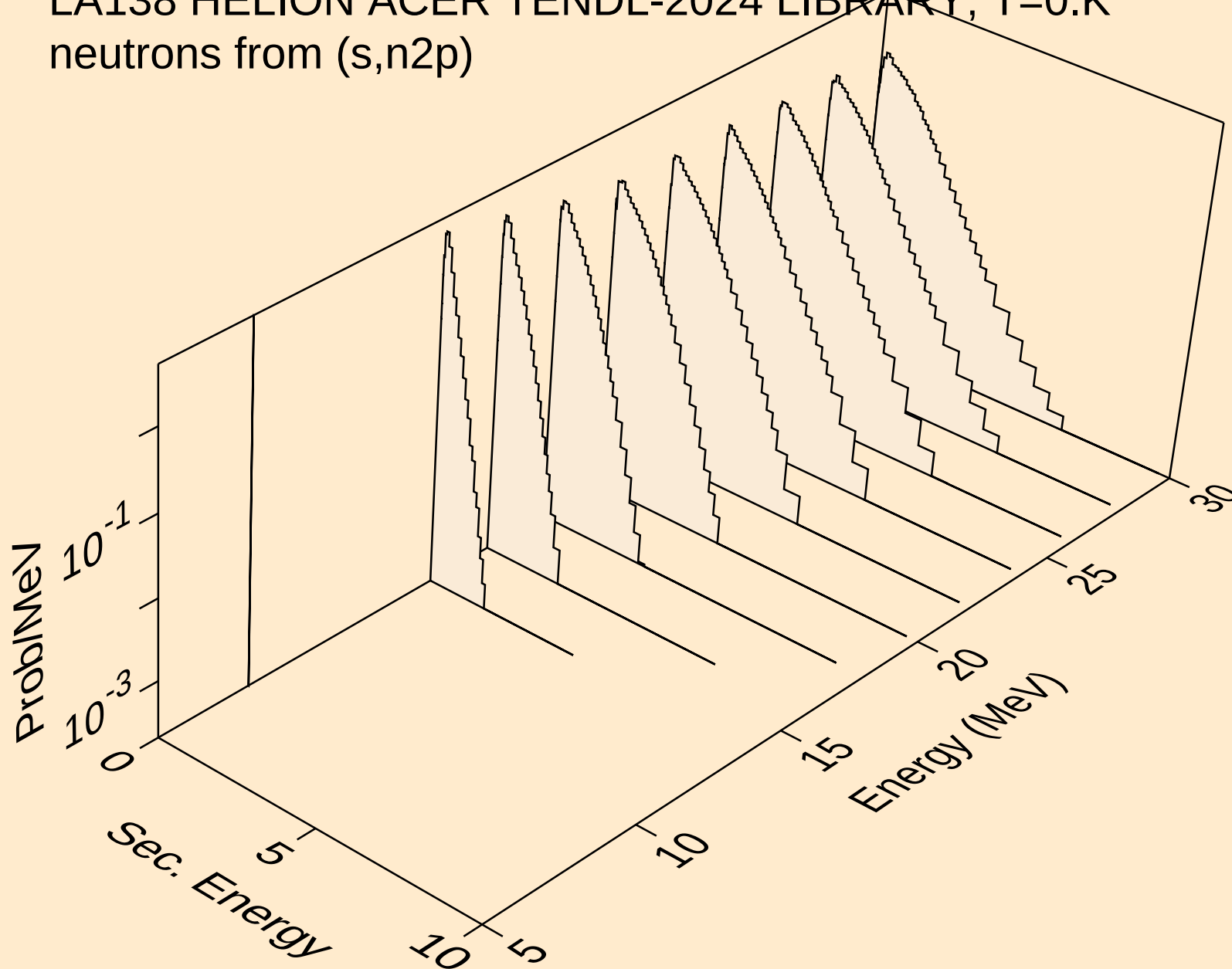
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neutrons from (s,2np)



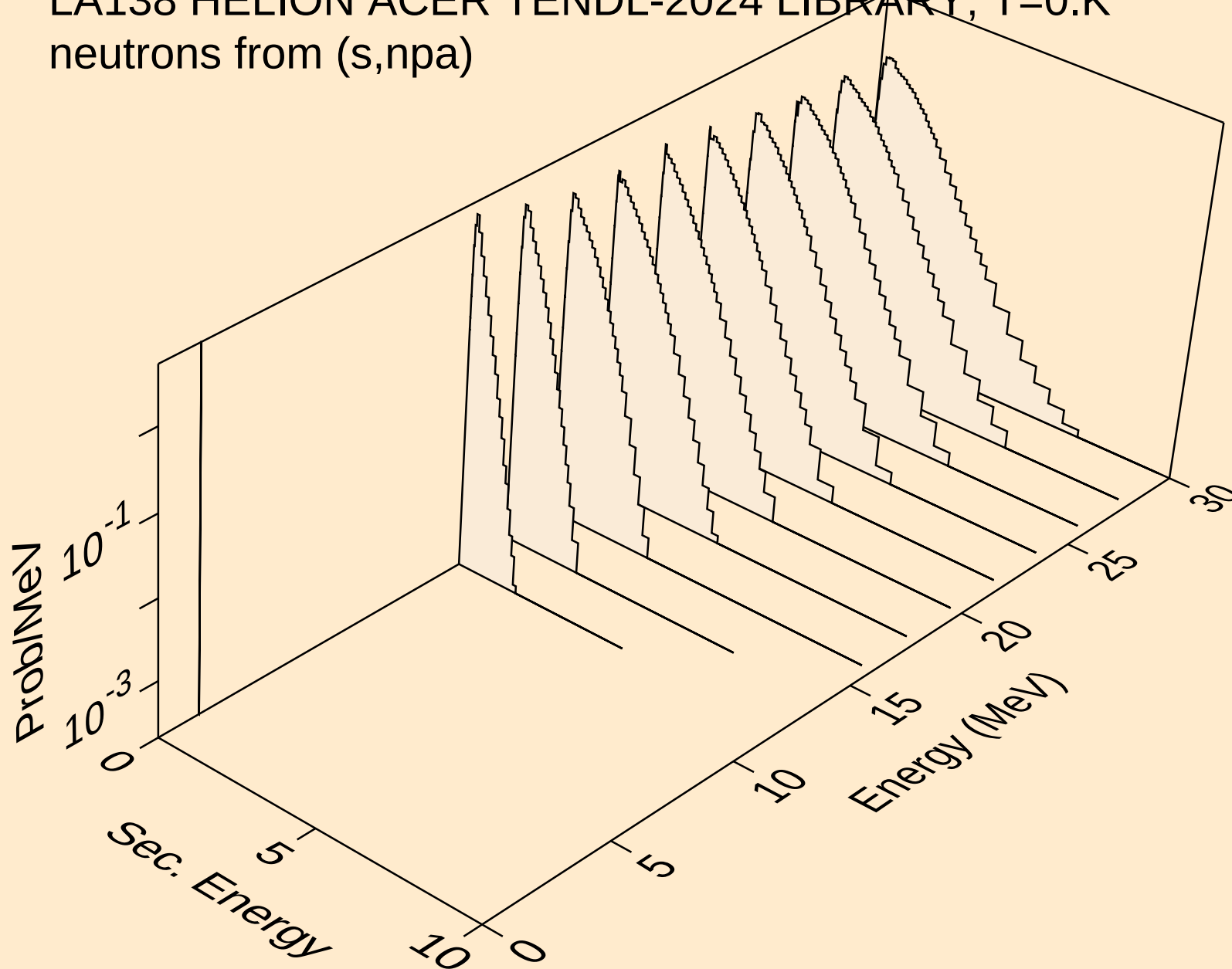
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,3np)



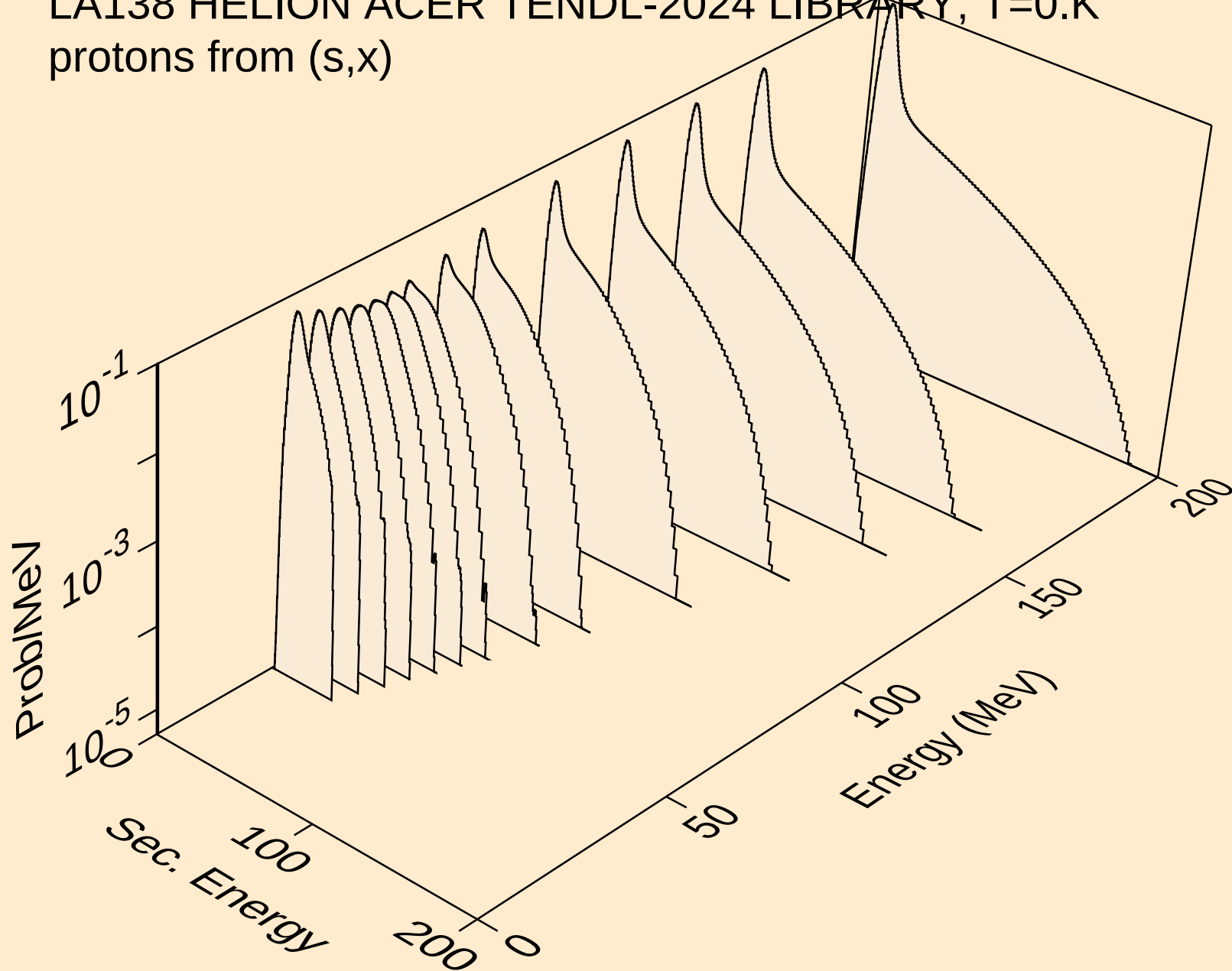
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n2p)



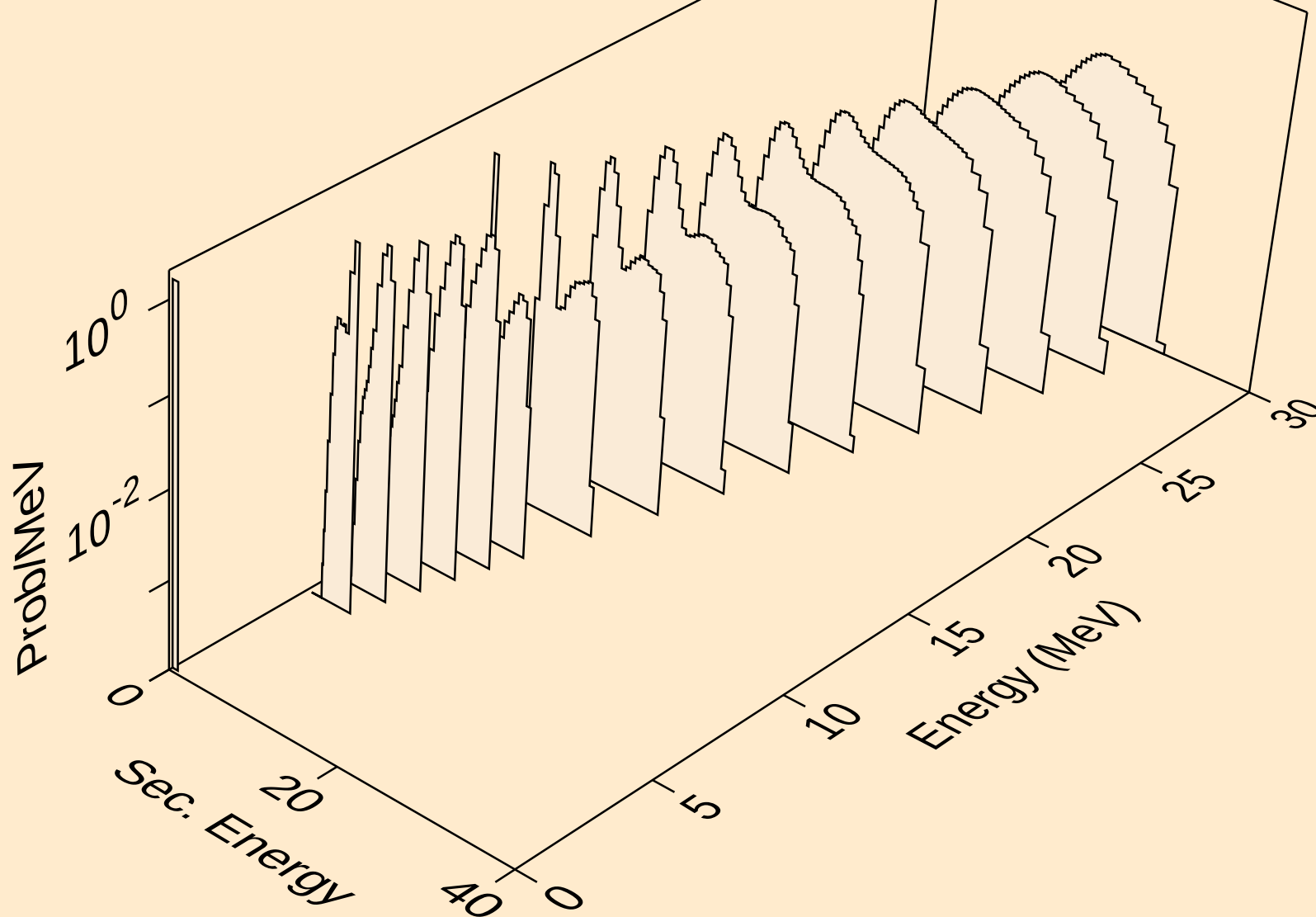
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,npa)



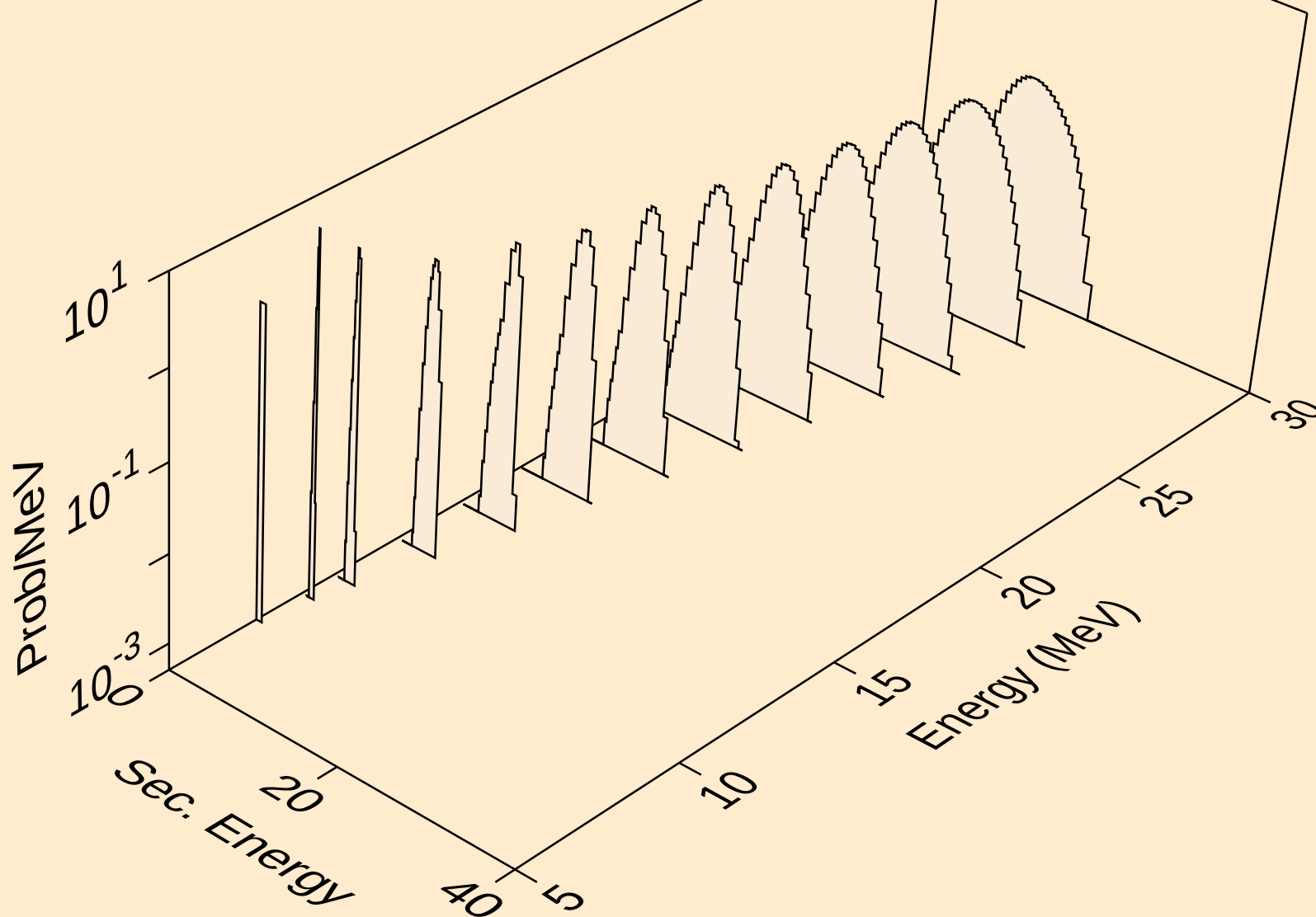
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,x)



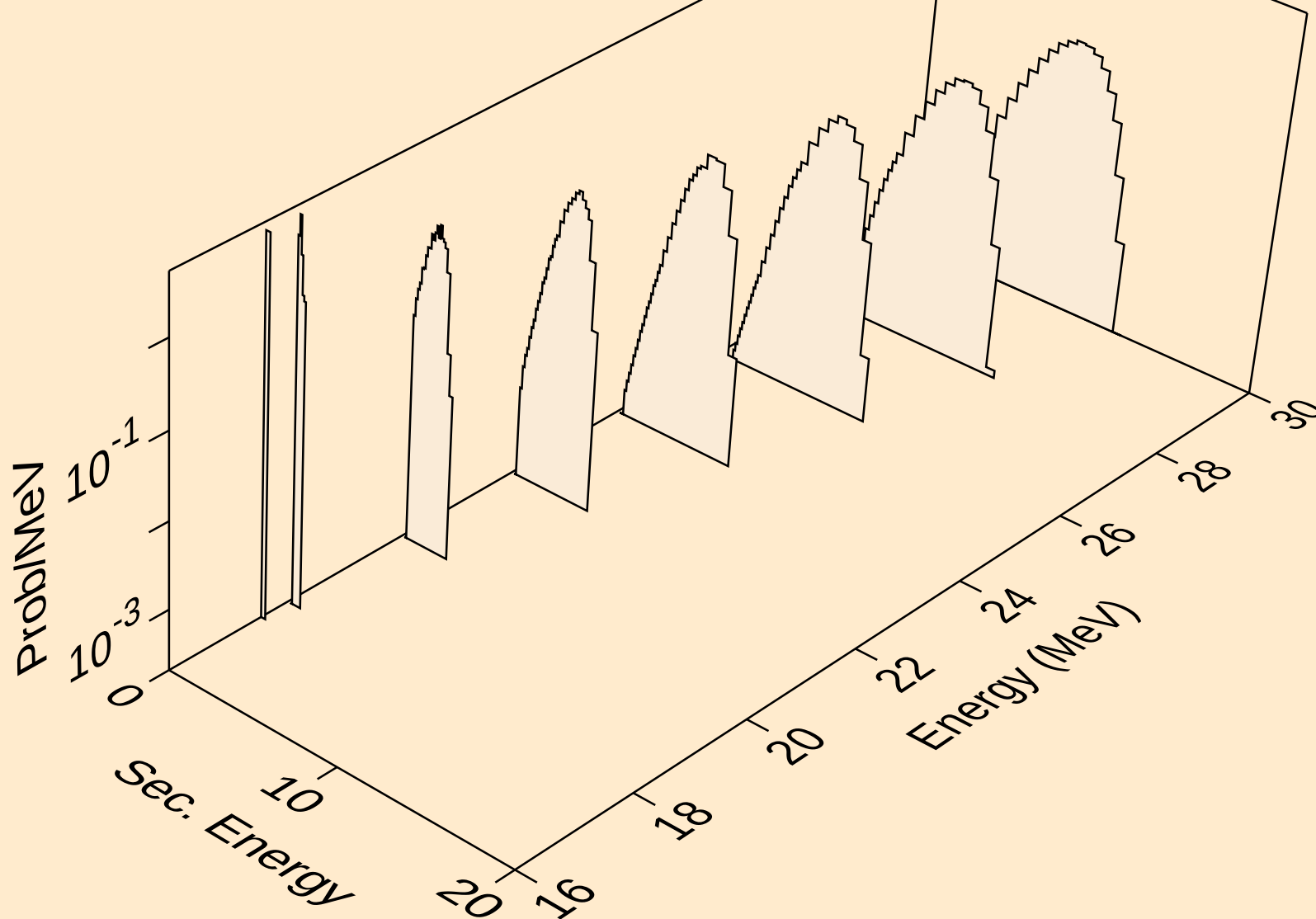
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,n\*)p



LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,2np)

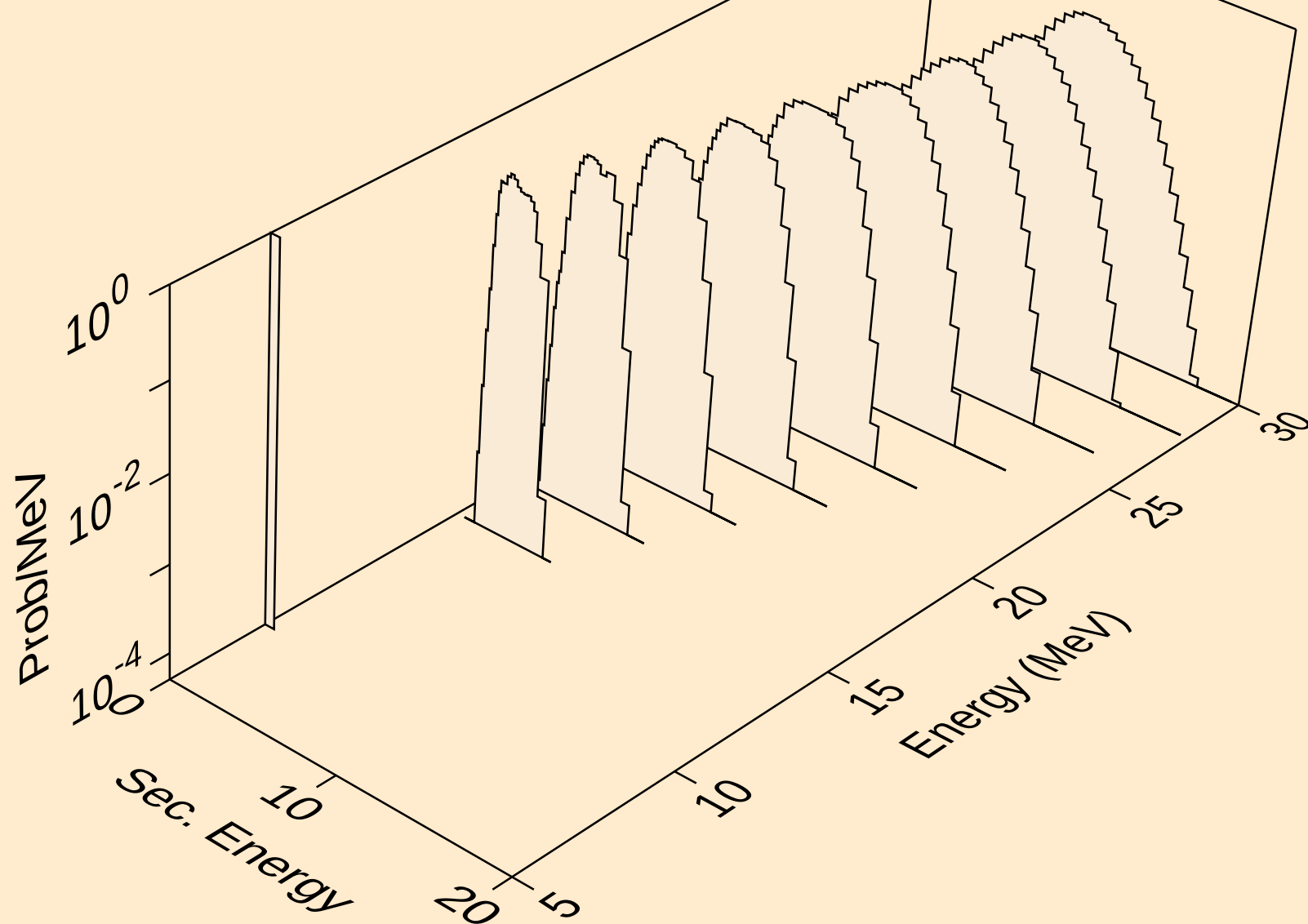


LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,3np)

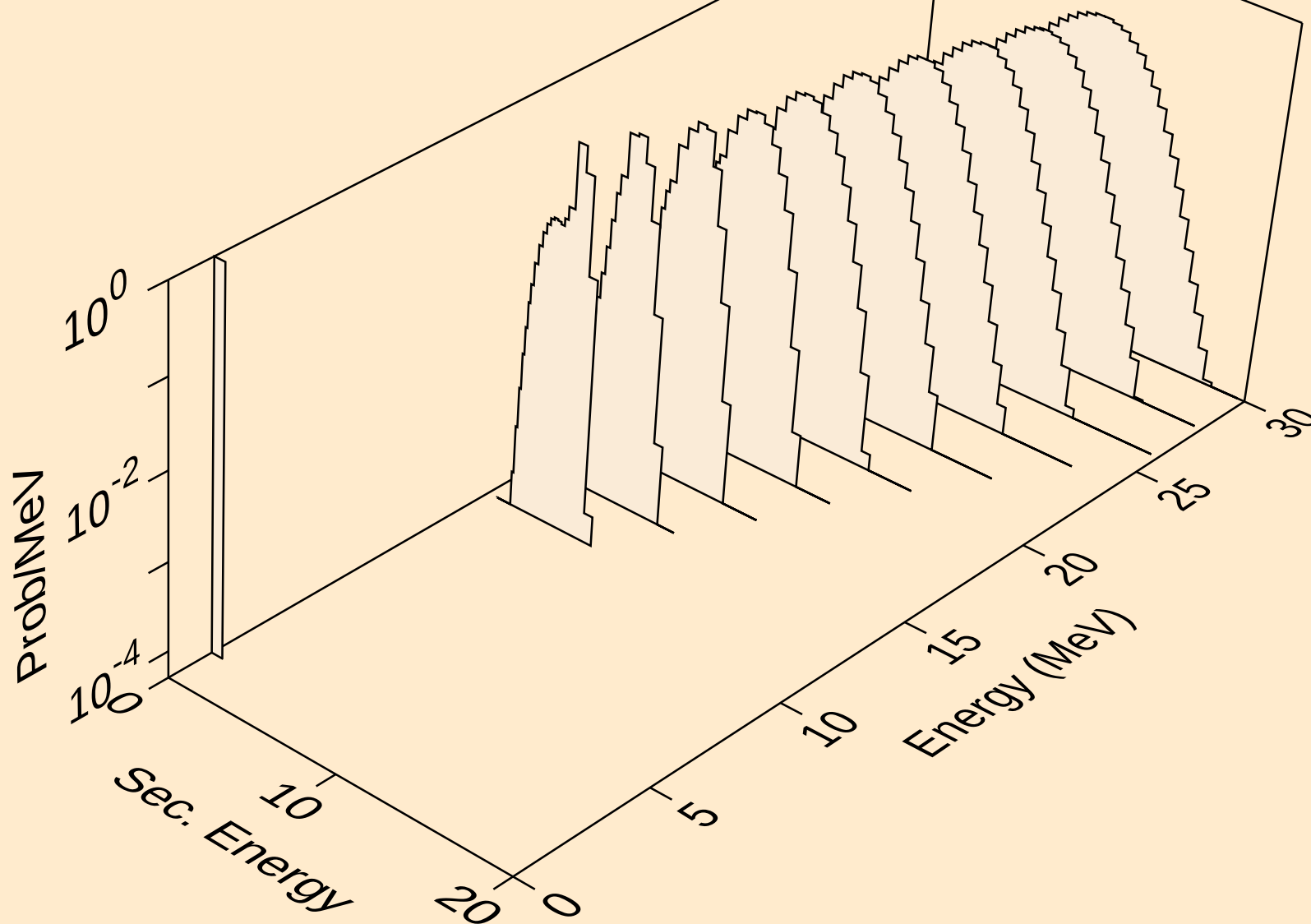




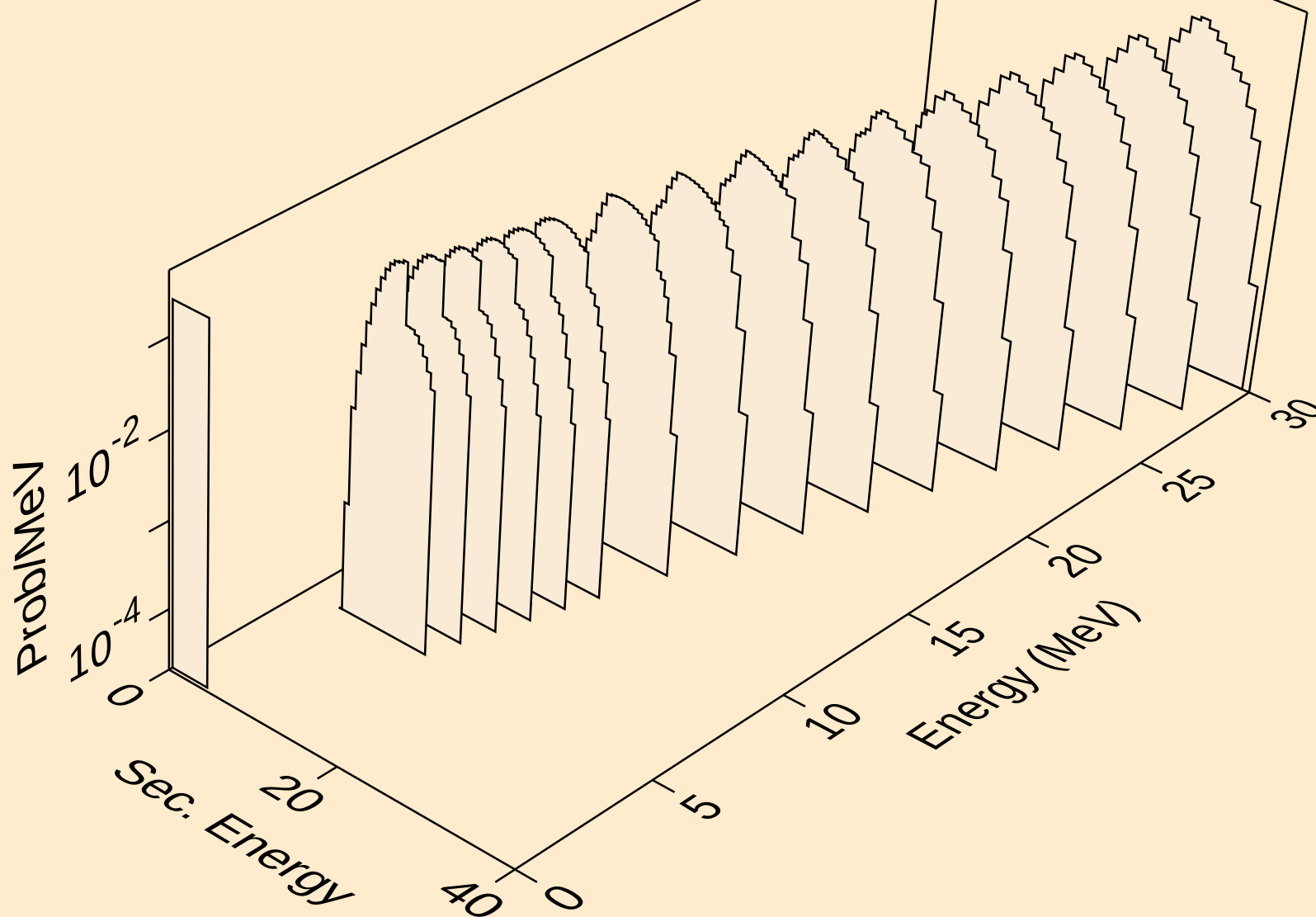
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protons from (s,n2p)



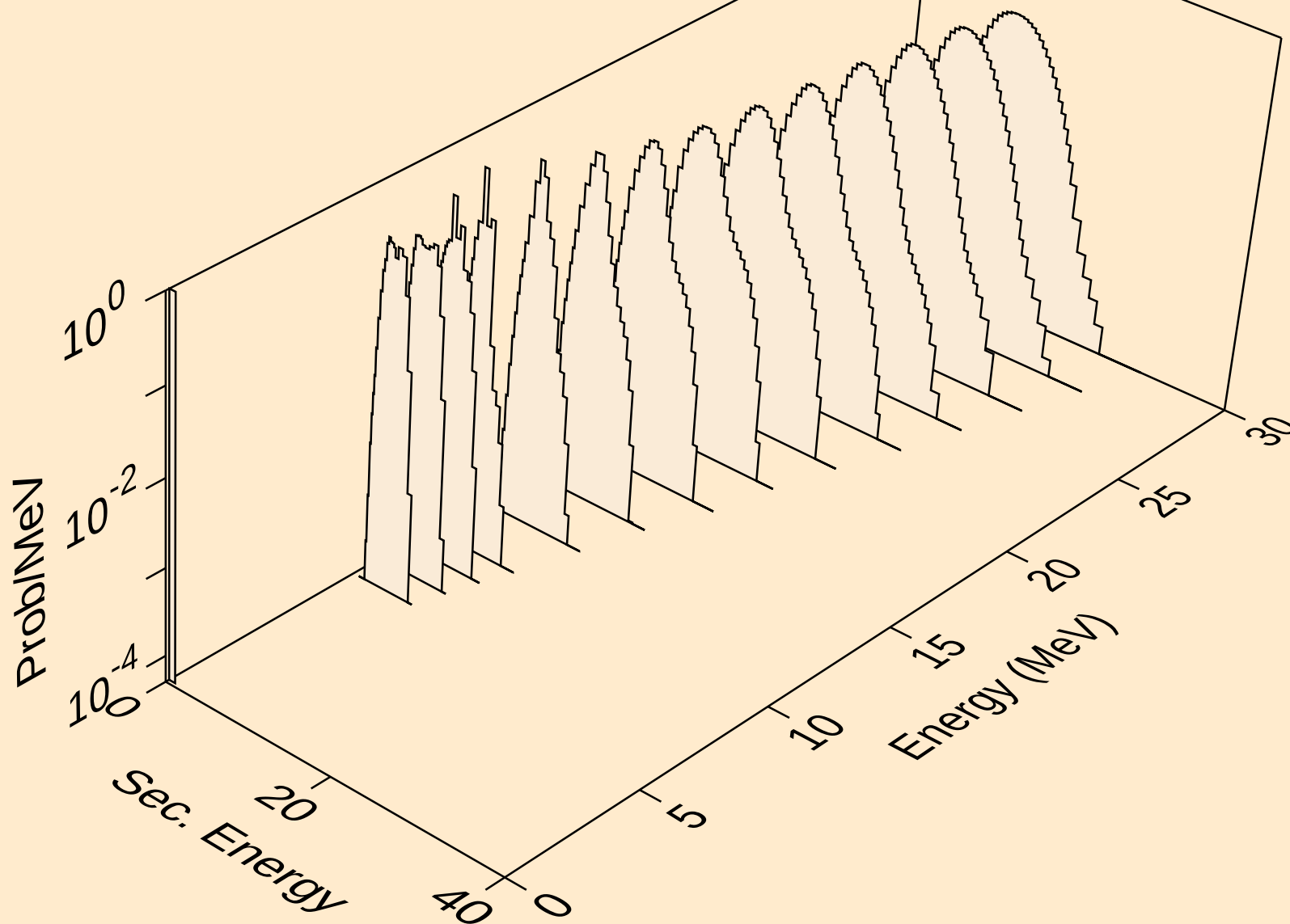
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protons from (s,npa)



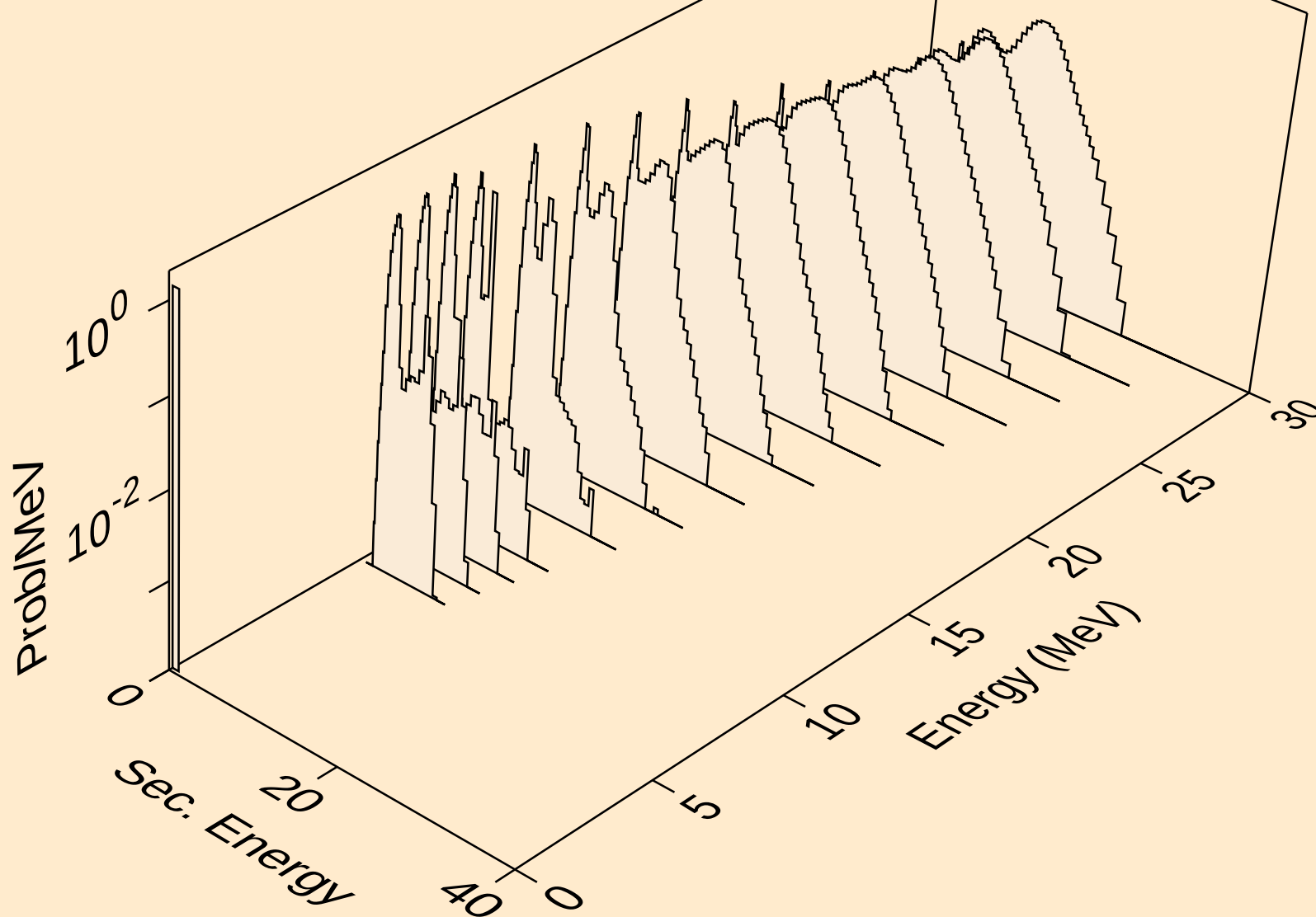
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protons from (s,p)



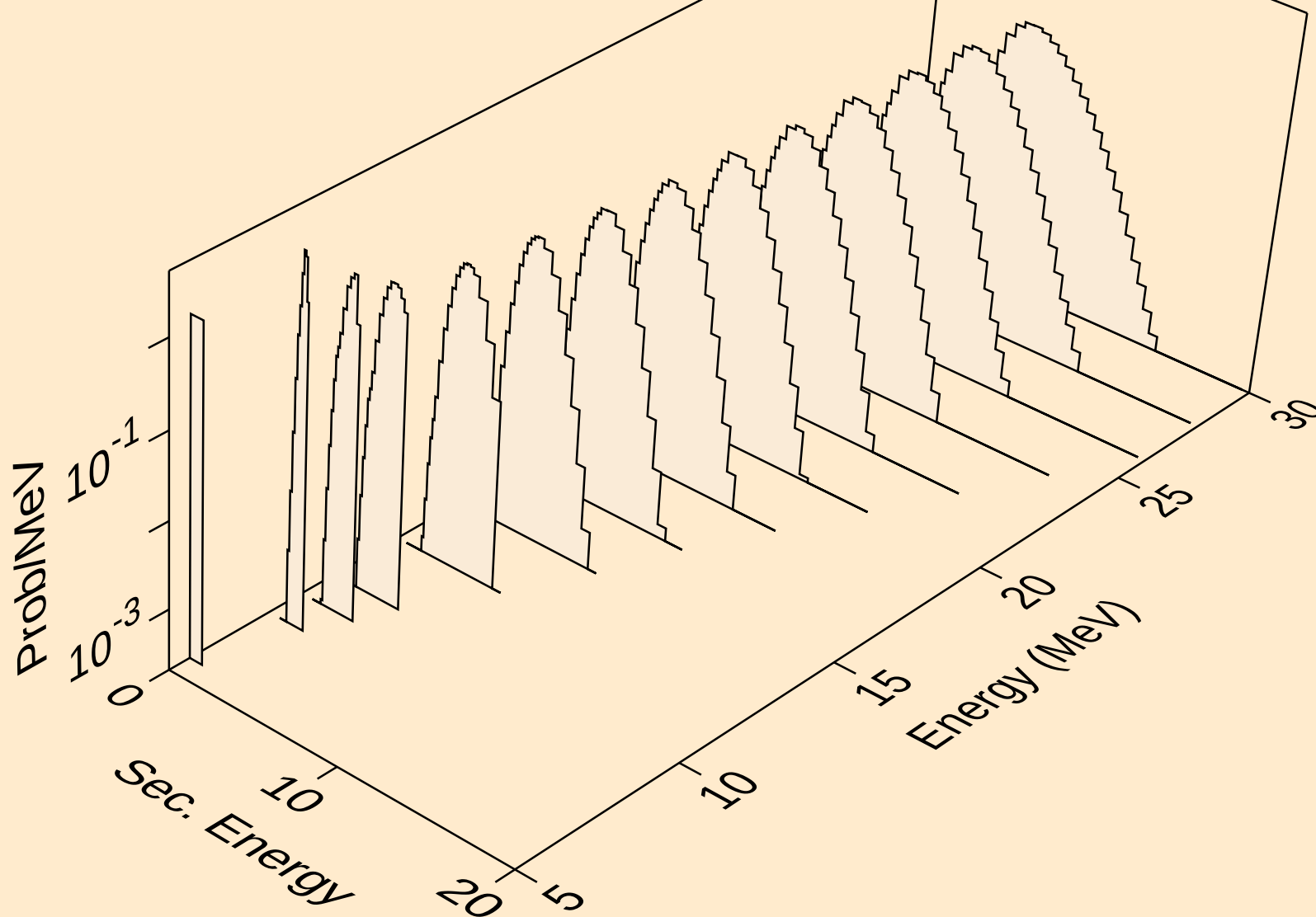
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protons from (s,2p)



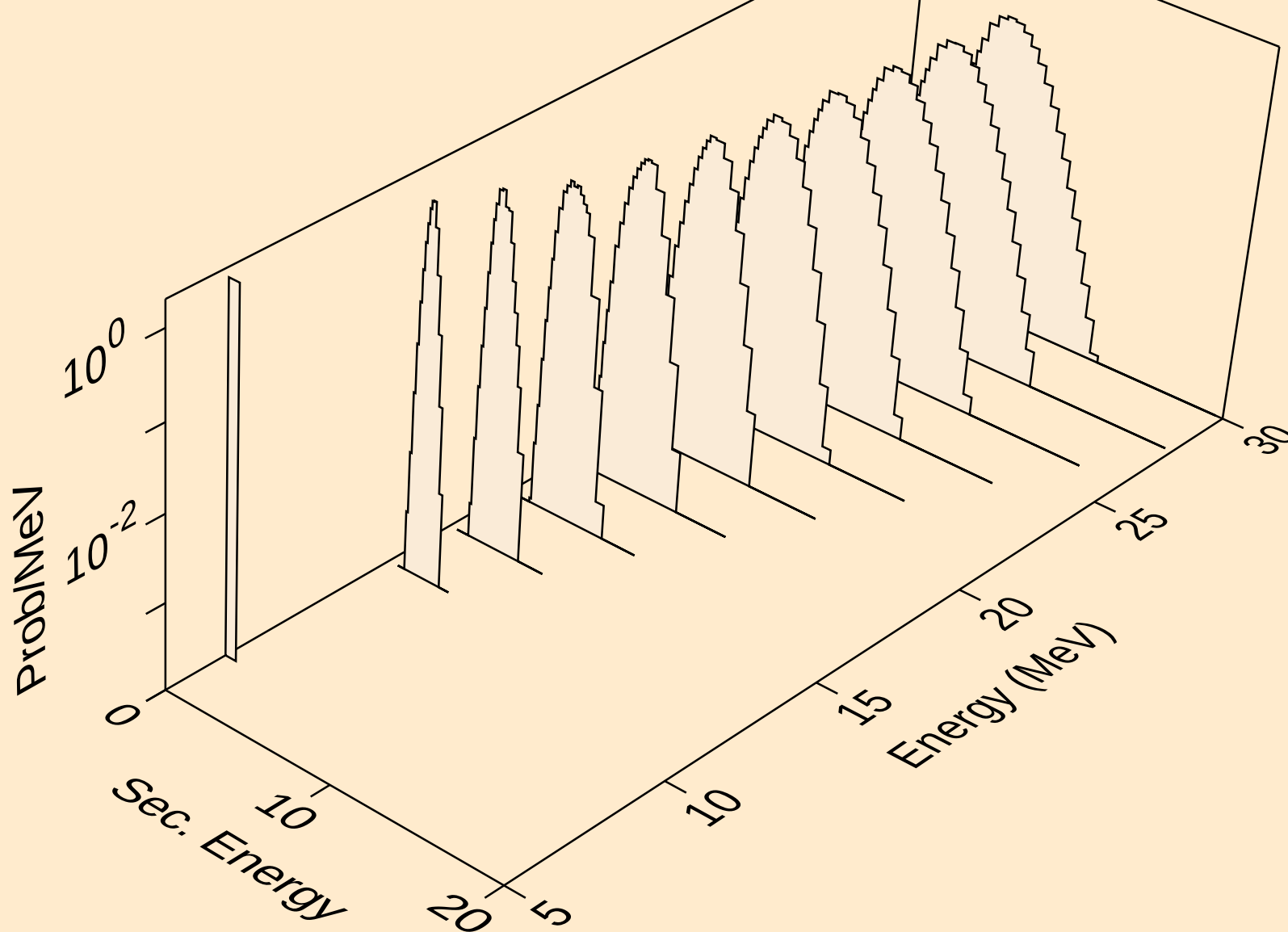
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protons from (s,pa)



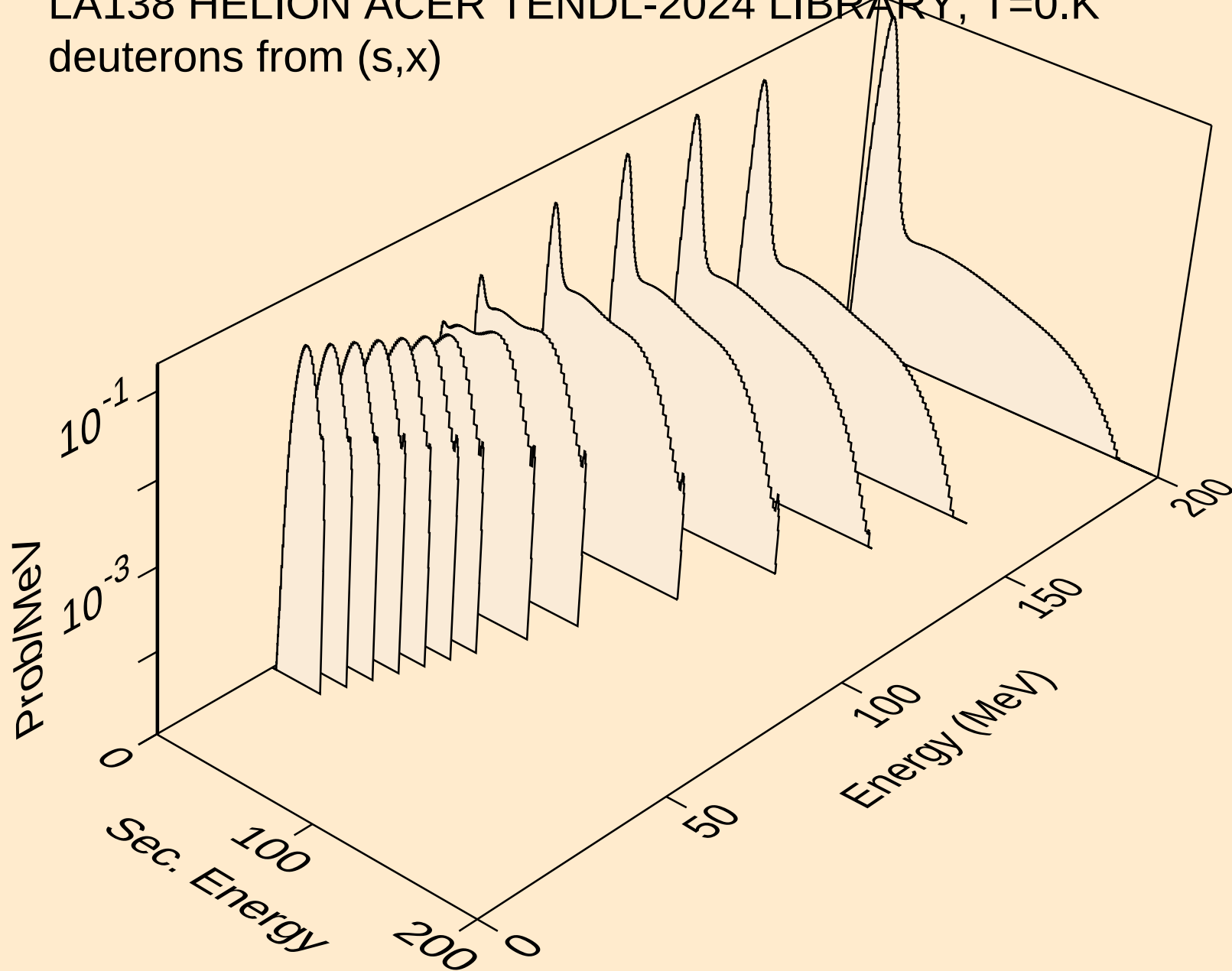
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,pd)



LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,pt)

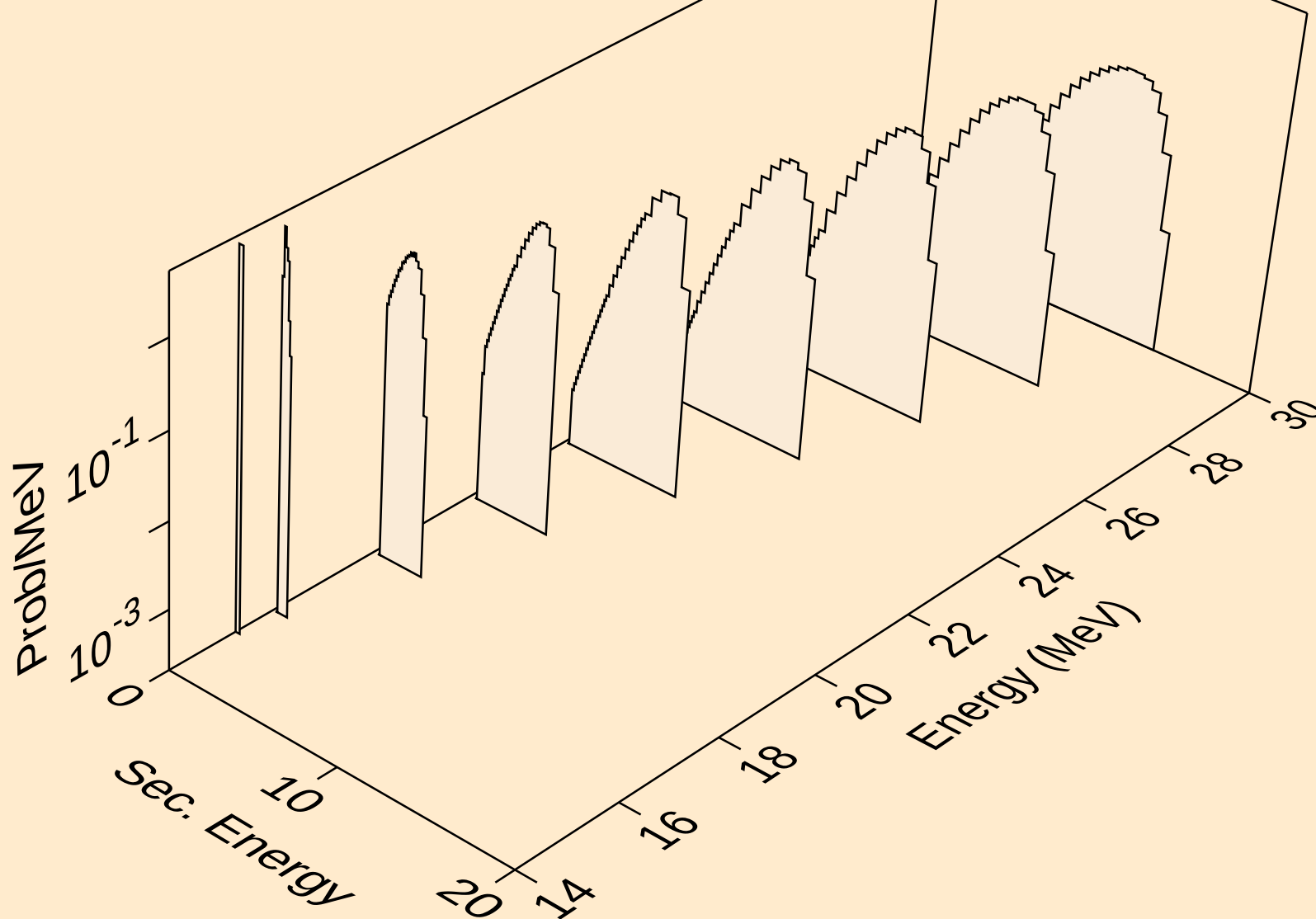


LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (s,x)

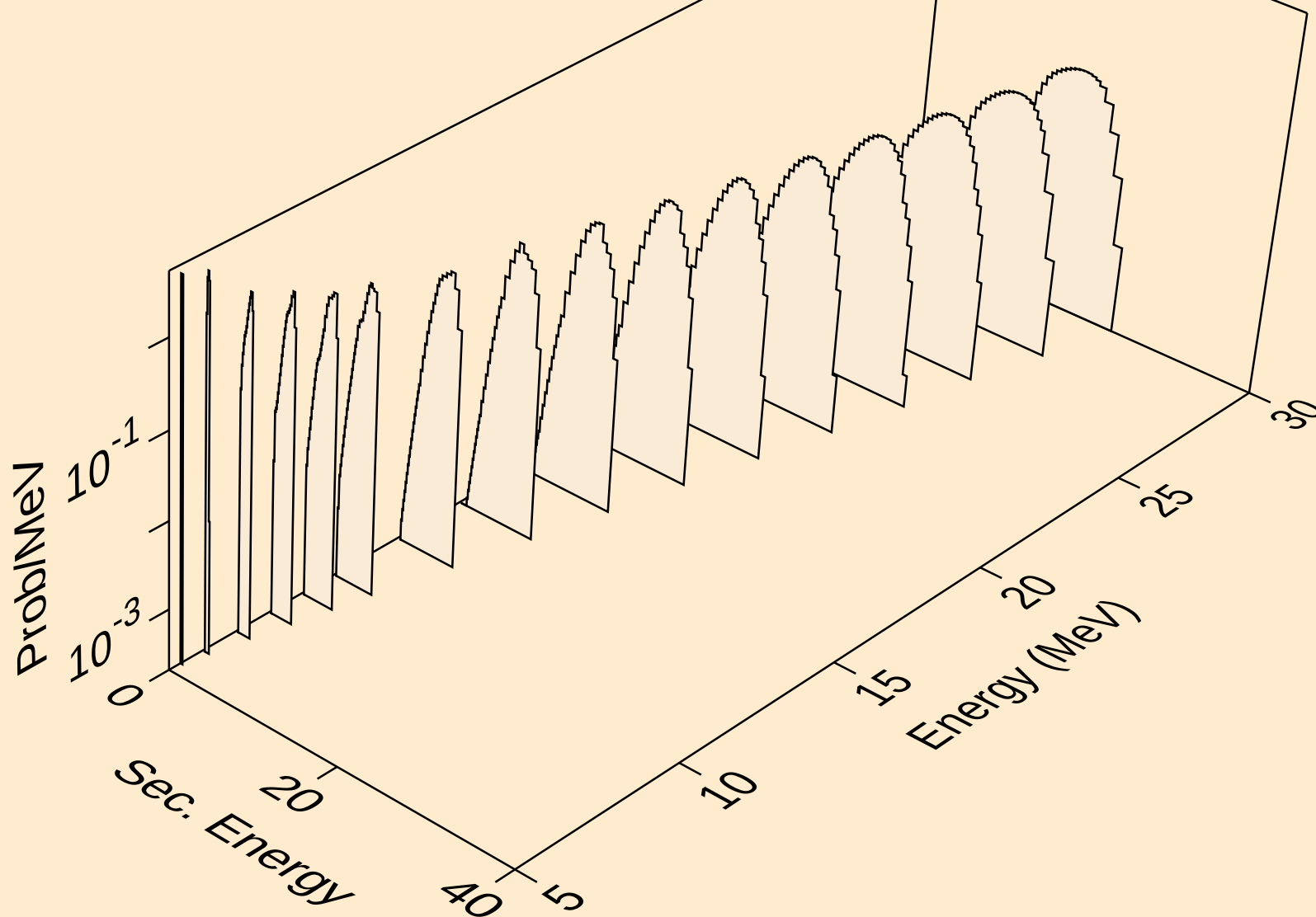




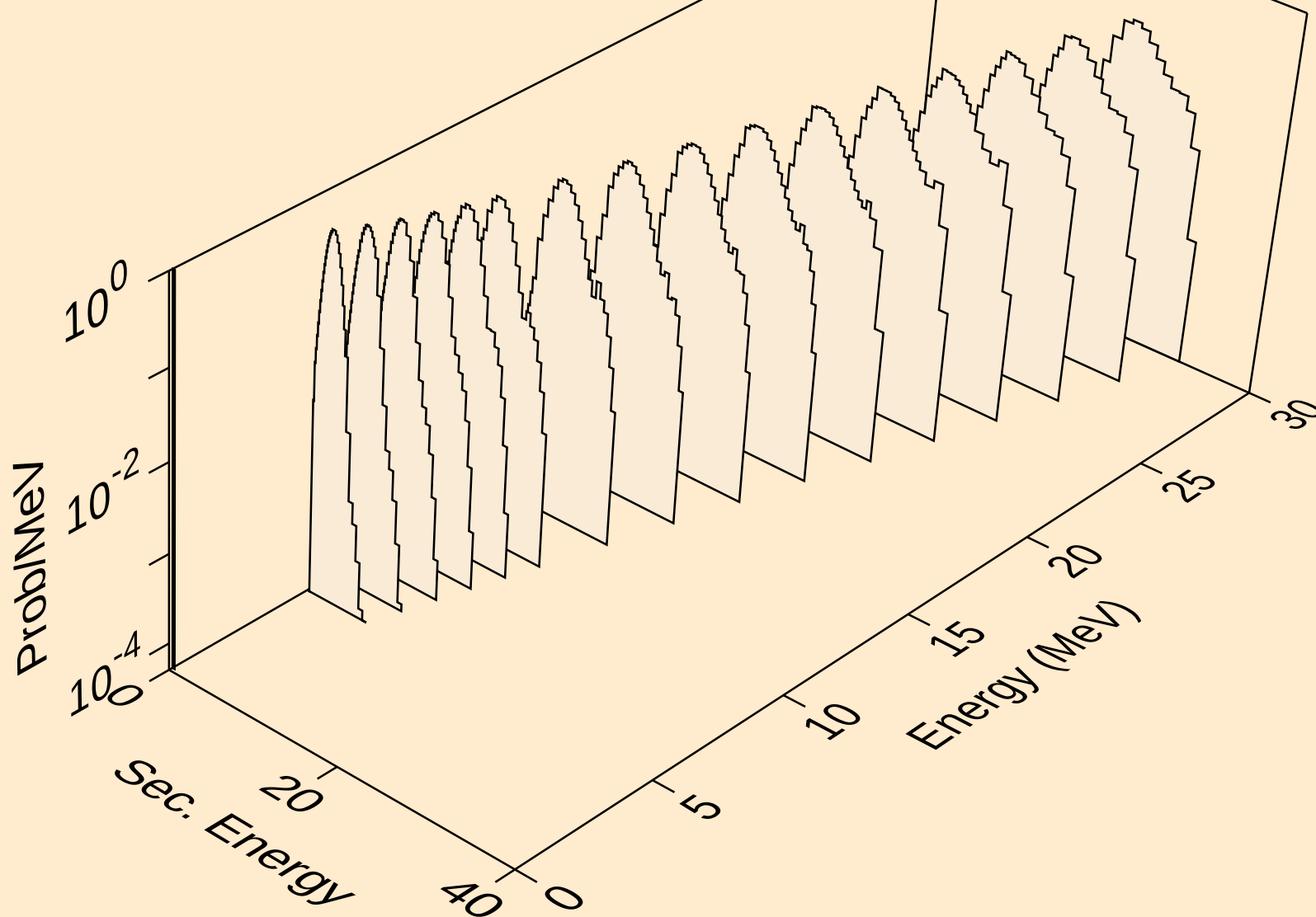
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deuterons from (s,2nd)



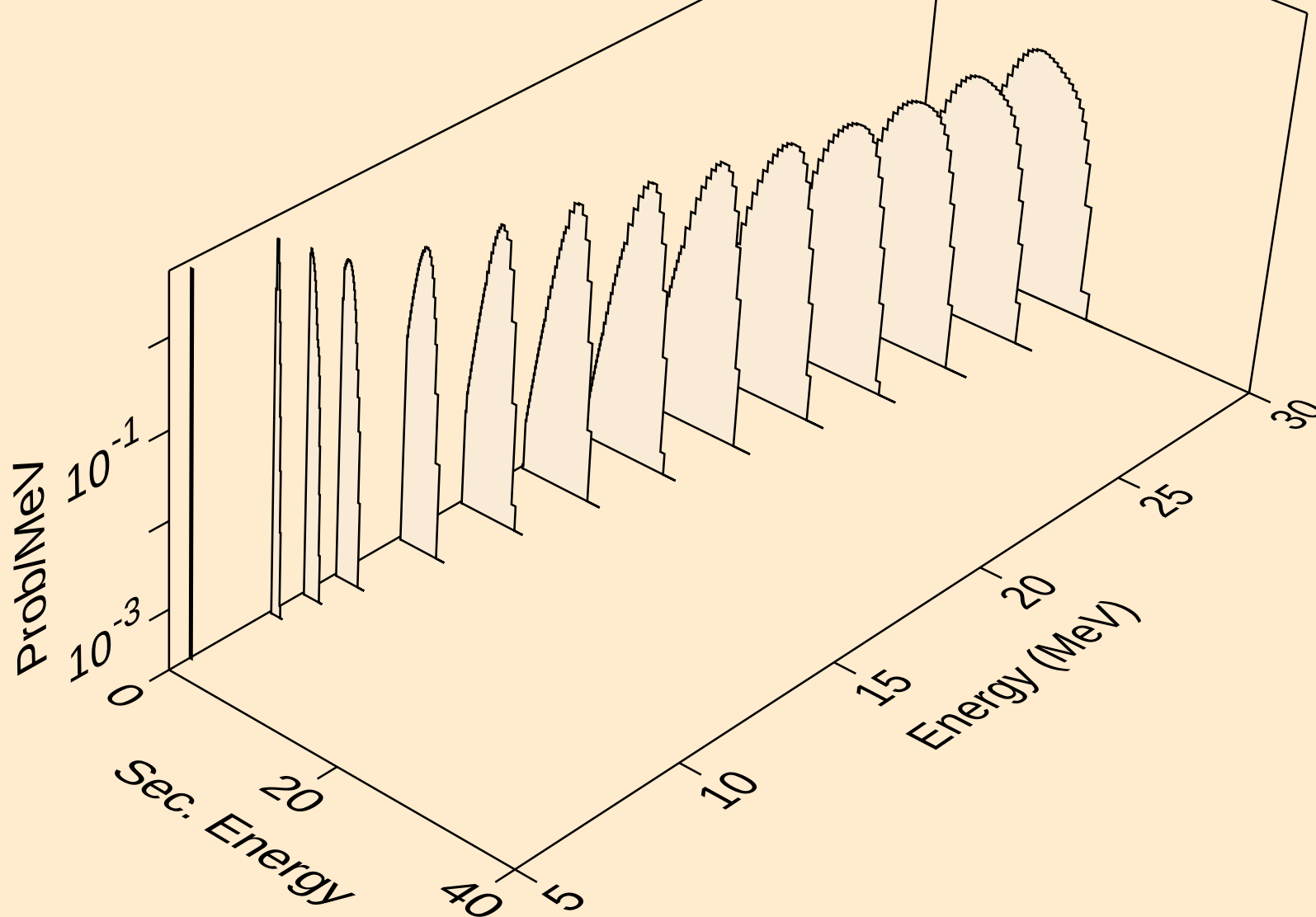
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (s,n\*)d



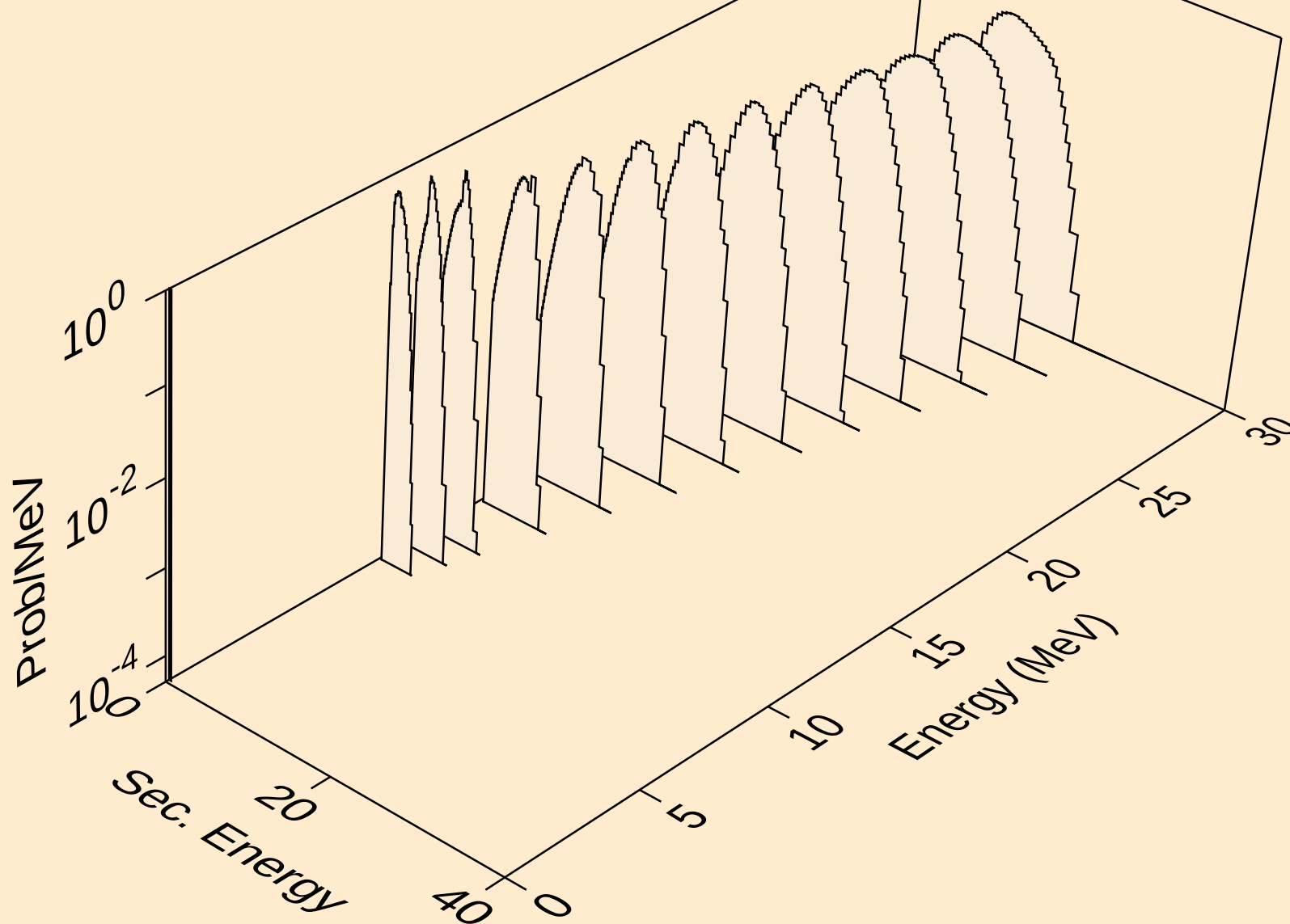
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deuterons from (s,d)



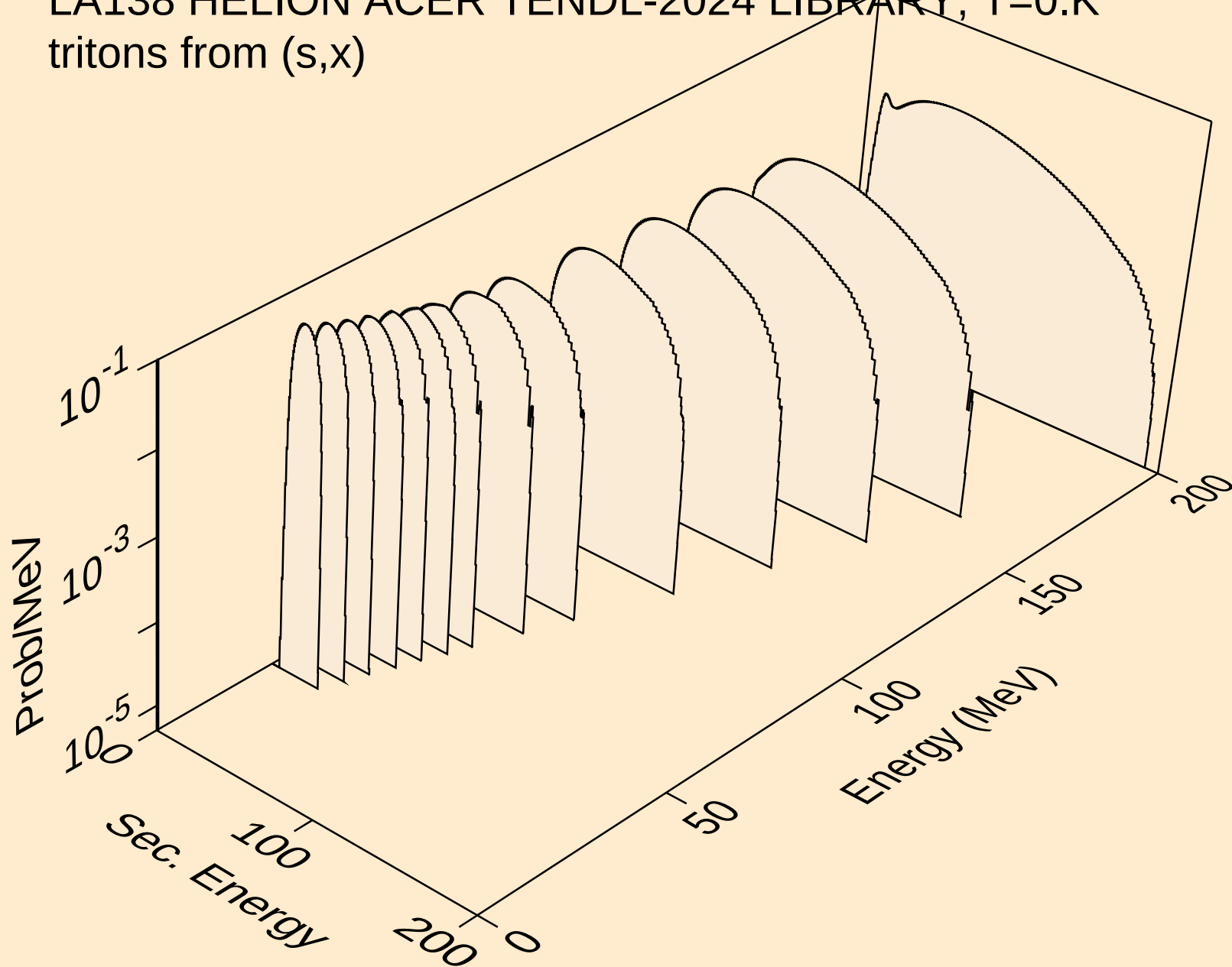
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deuterons from (s,pd)



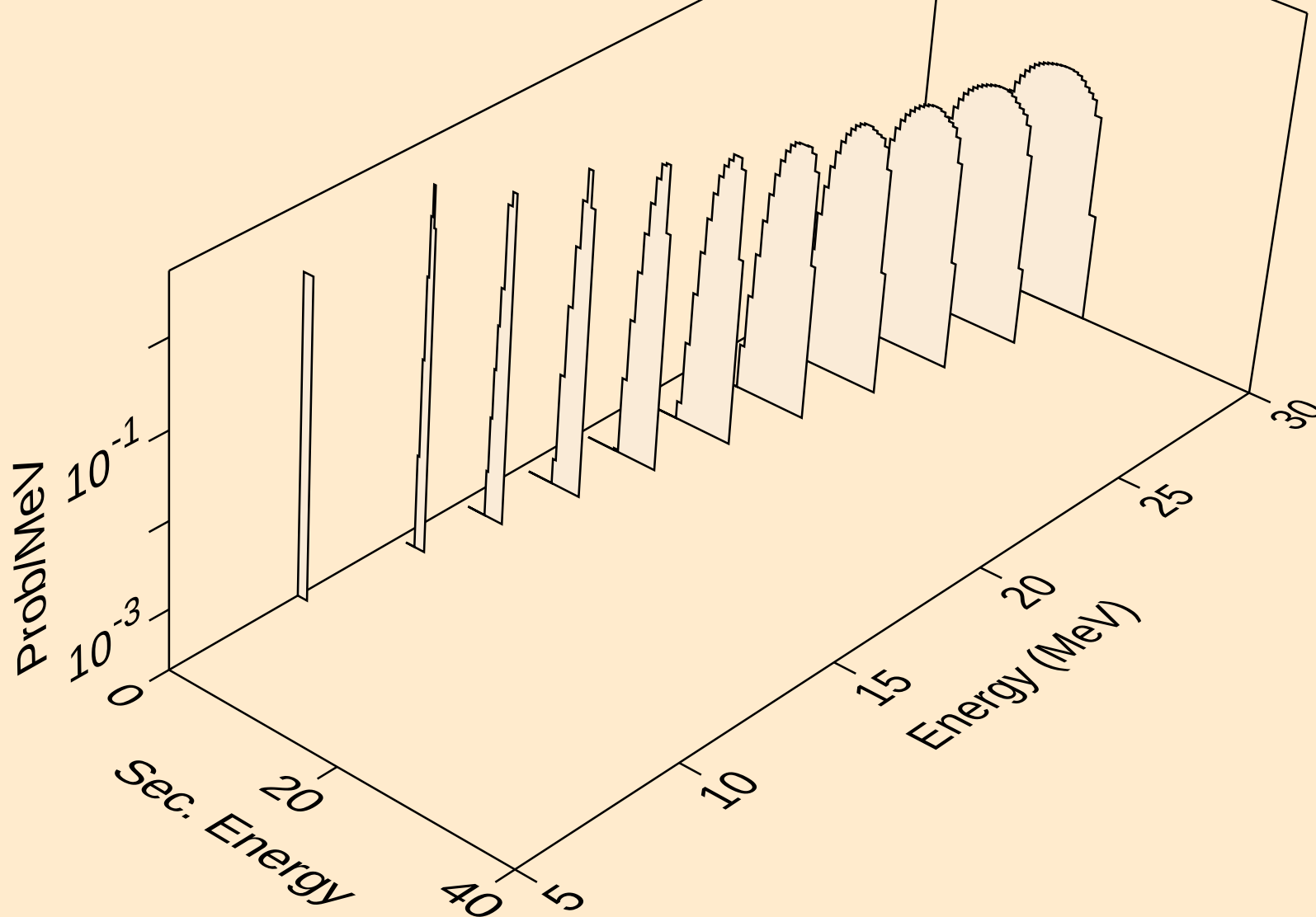
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deuterons from (s,da)



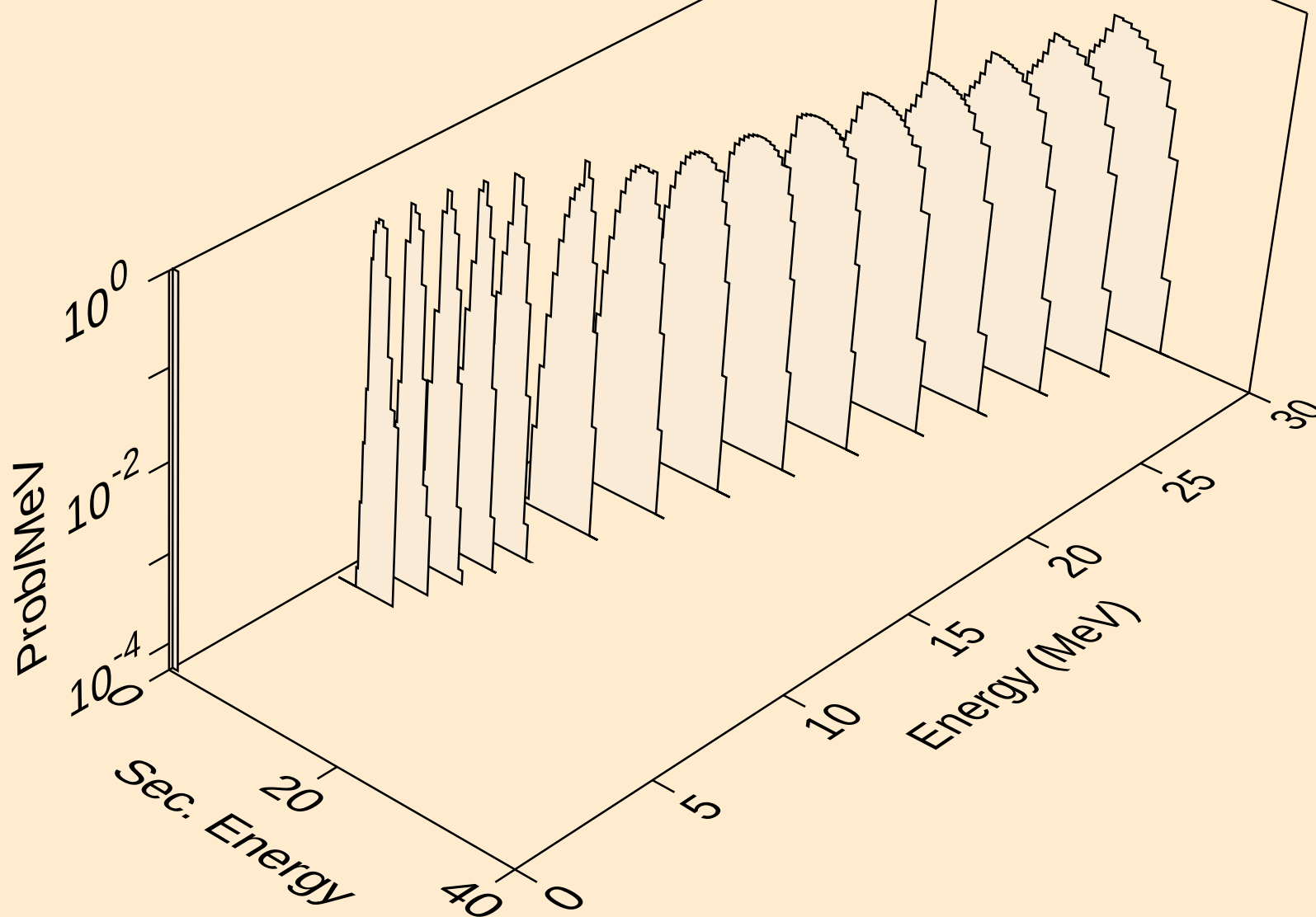
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (s,x)



LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (s,n\*)t

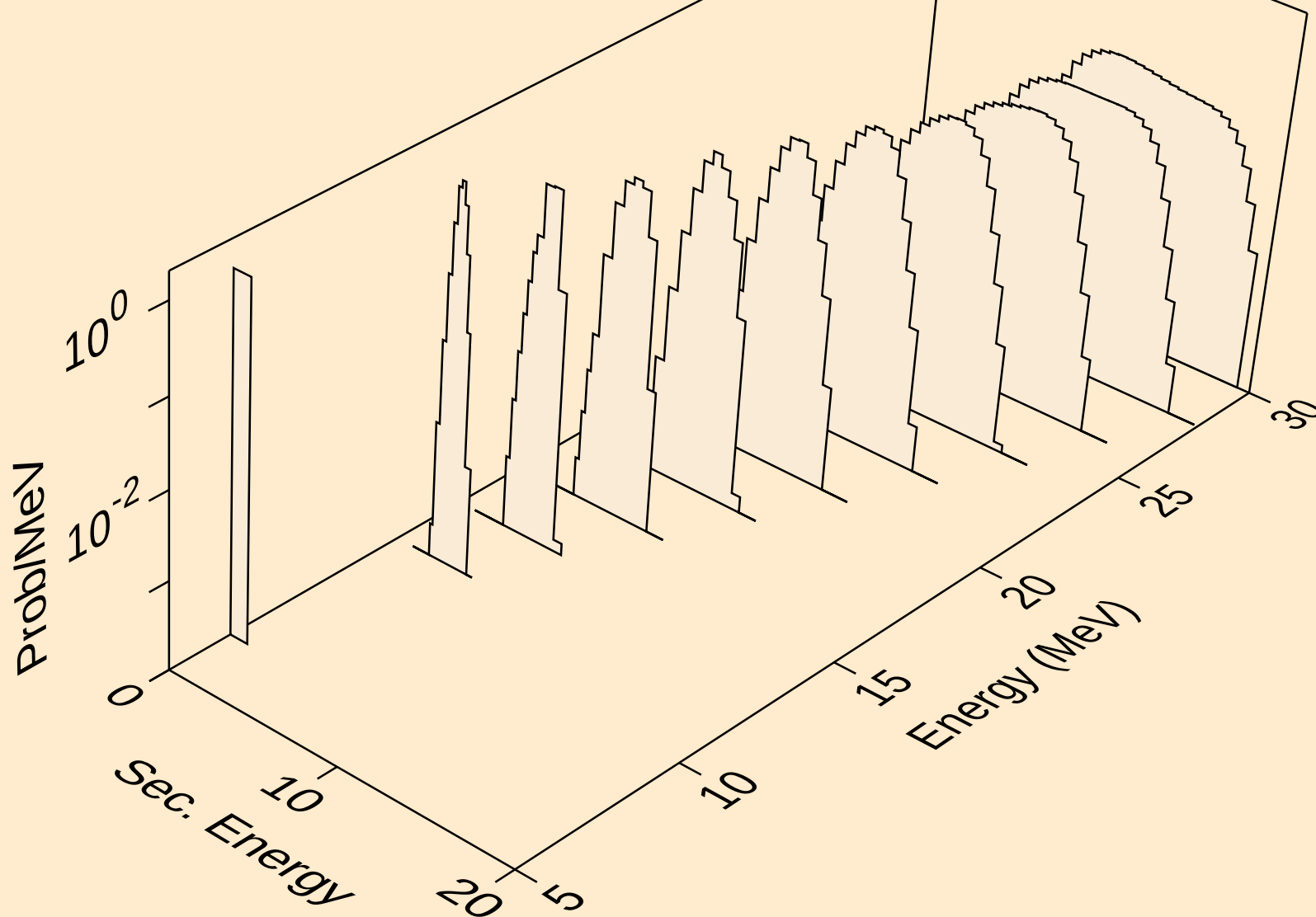


LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (s,t)

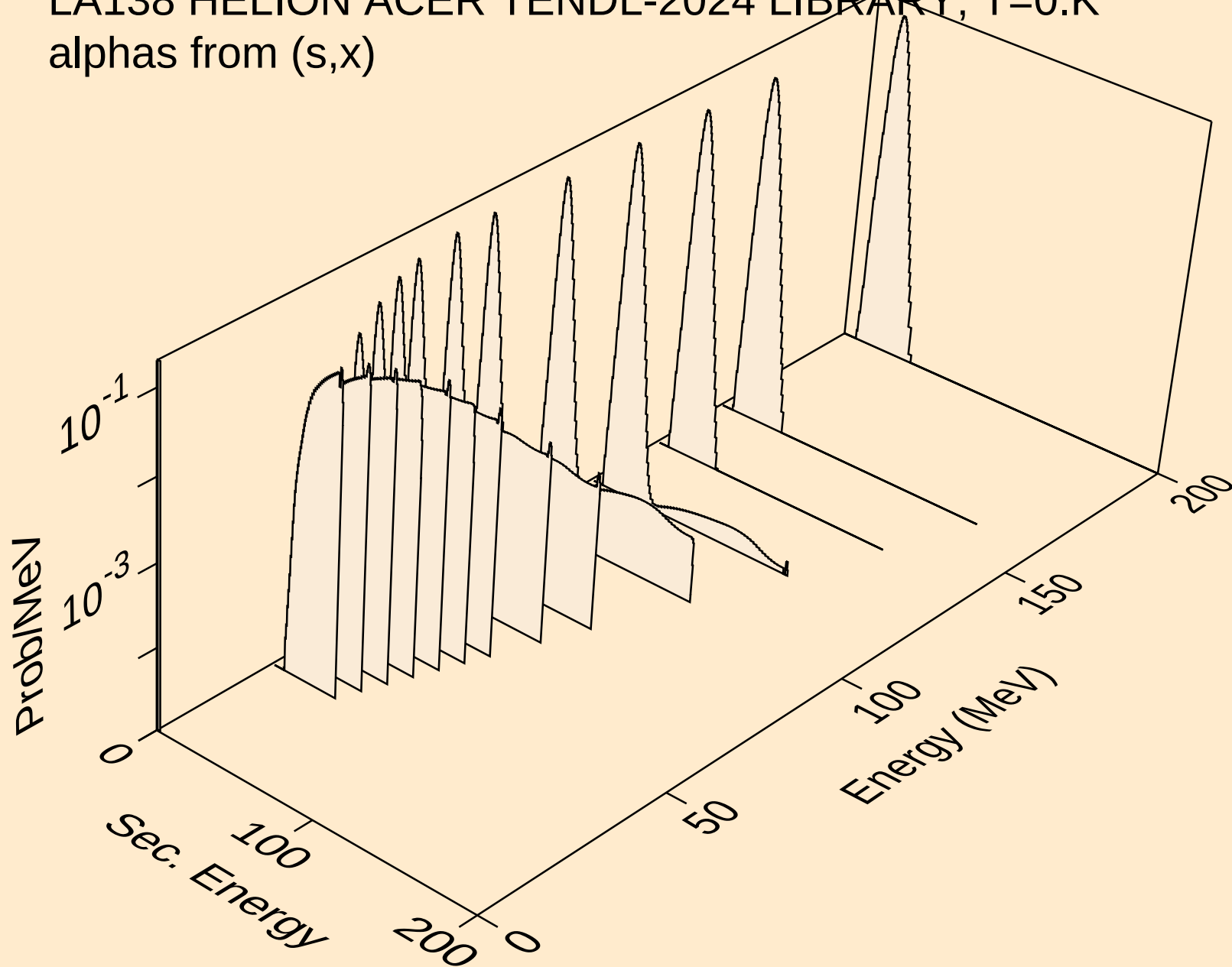




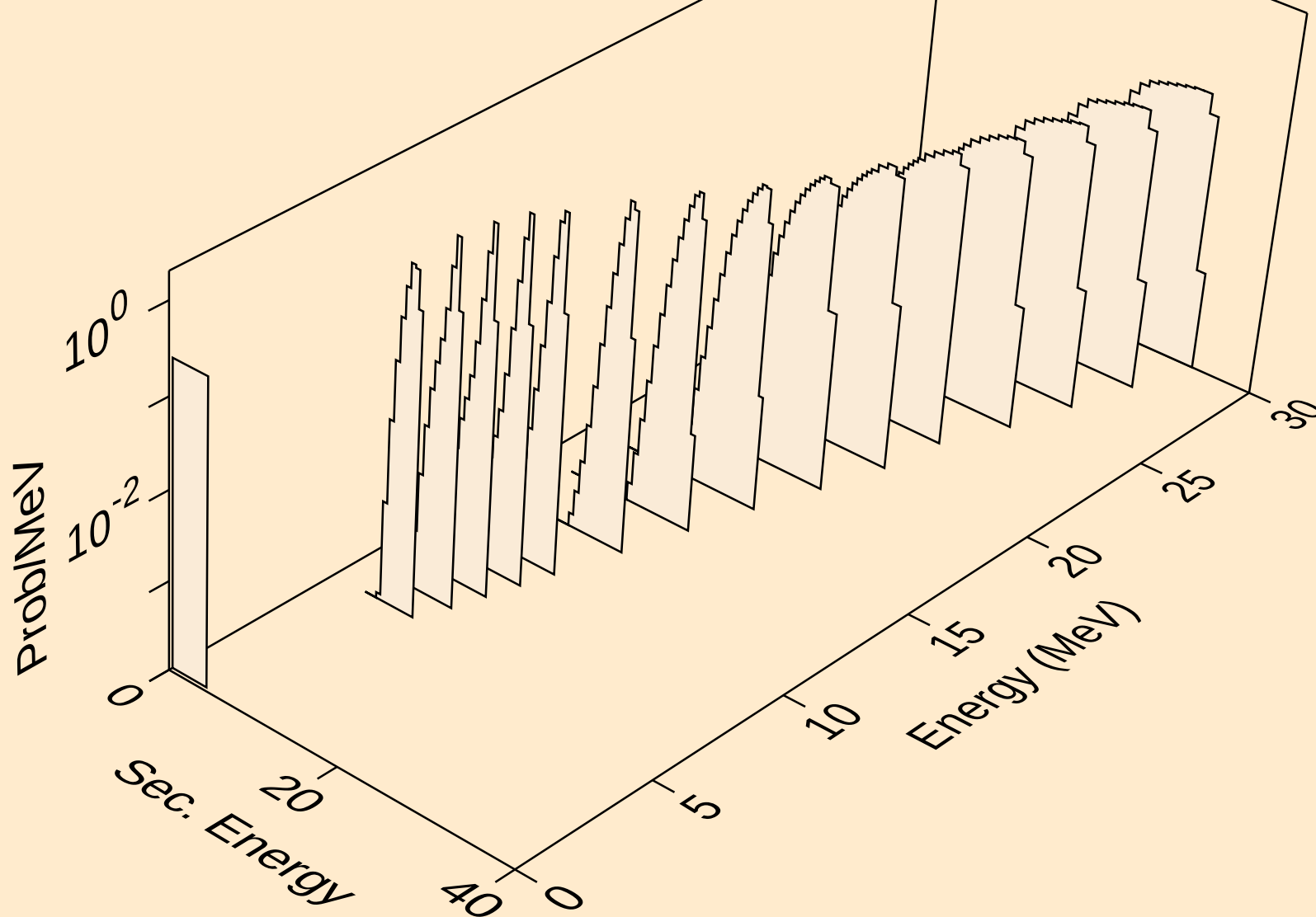
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tritons from (s,pt)



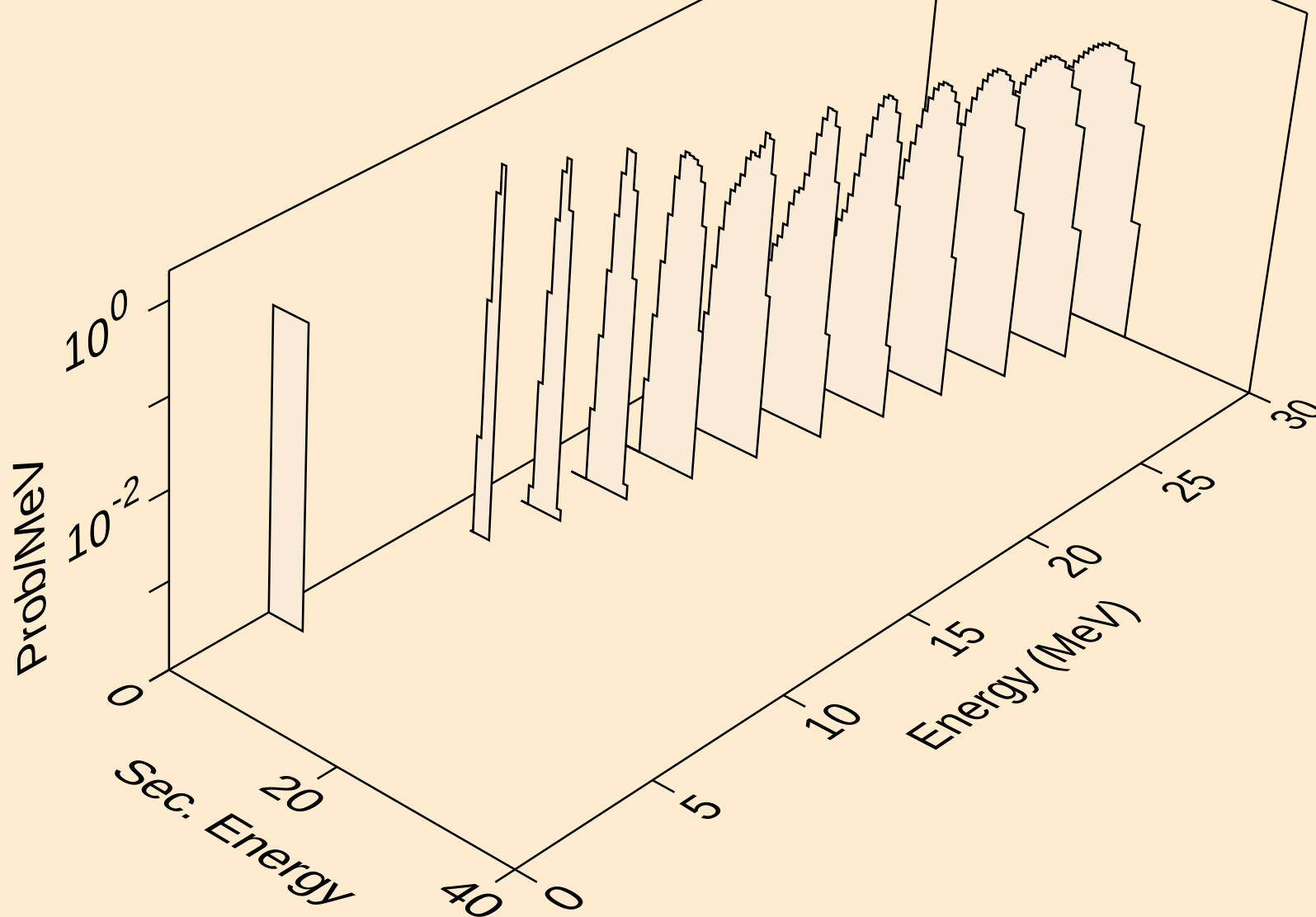
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,x)



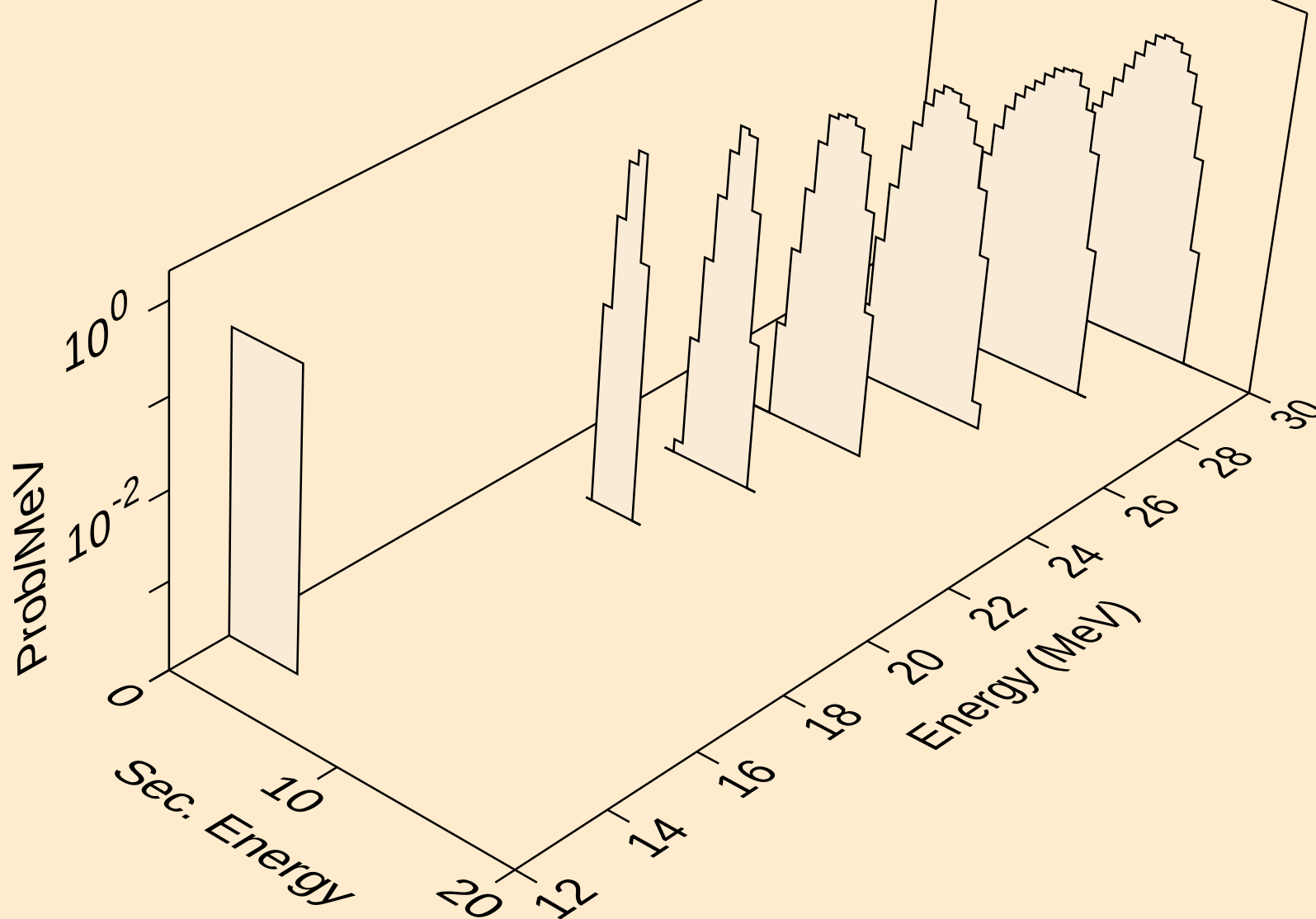
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,n\*)a



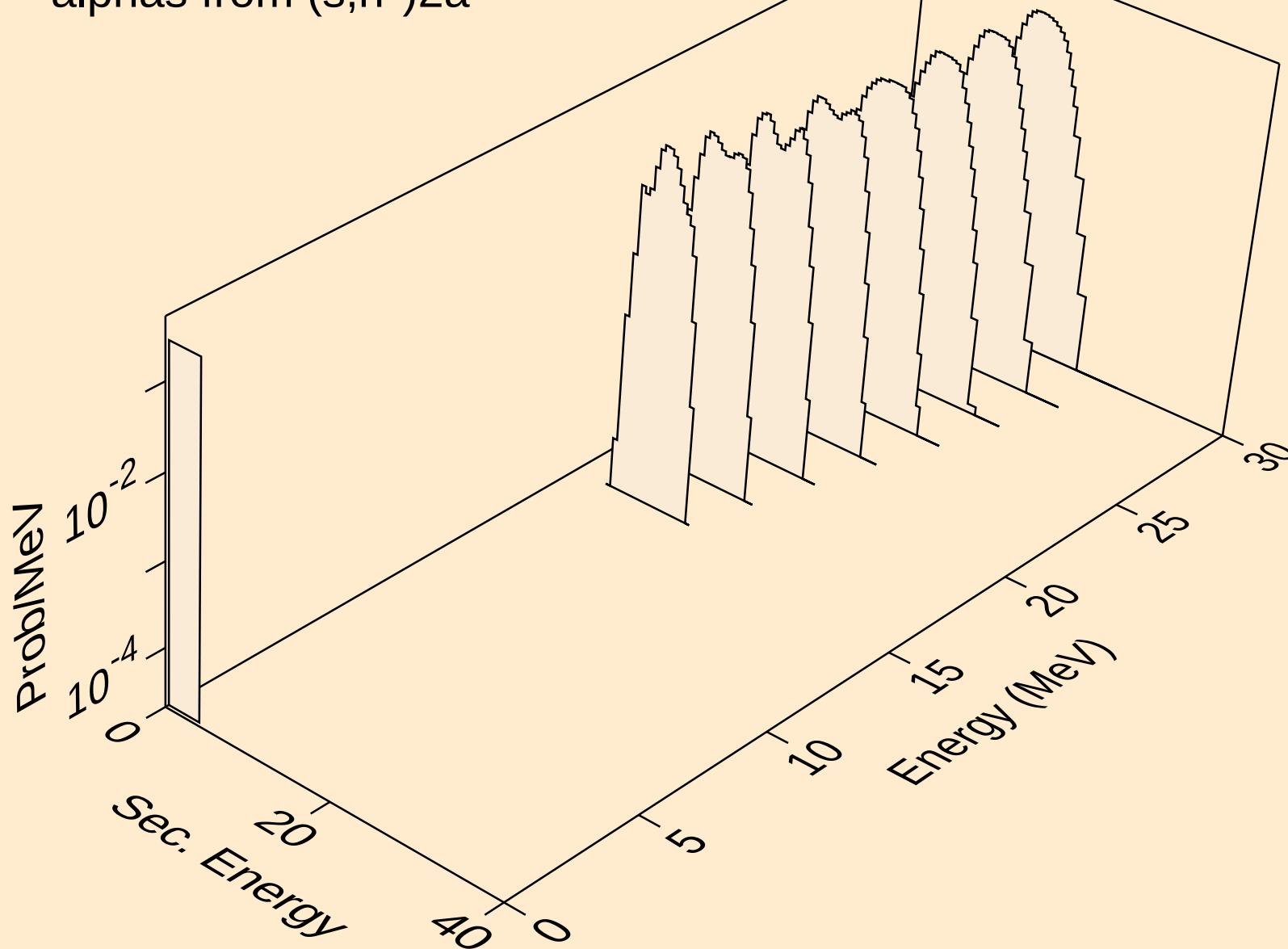
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,2n)a



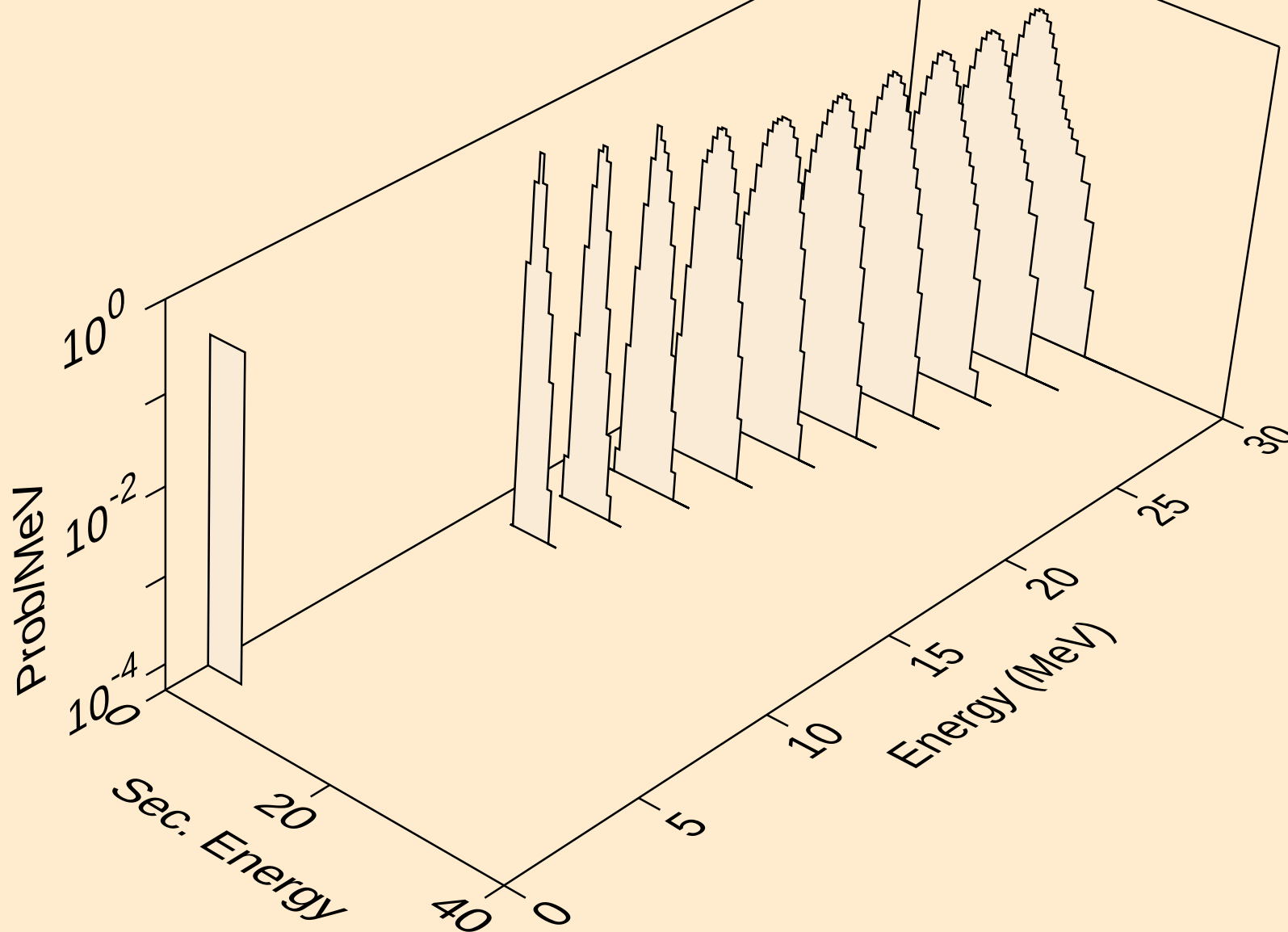
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,3n)a



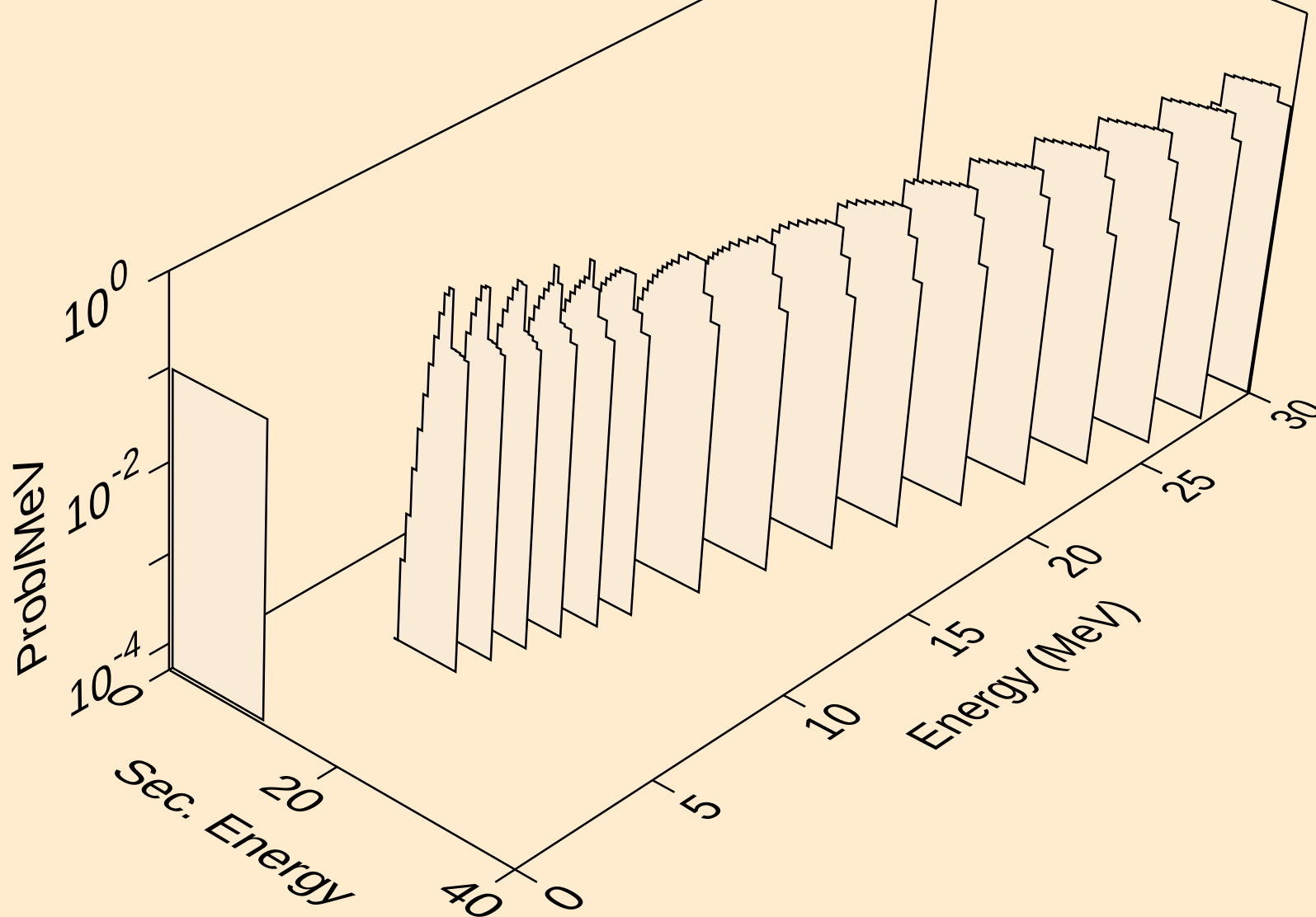
LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,n\*)2a



LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,npa)

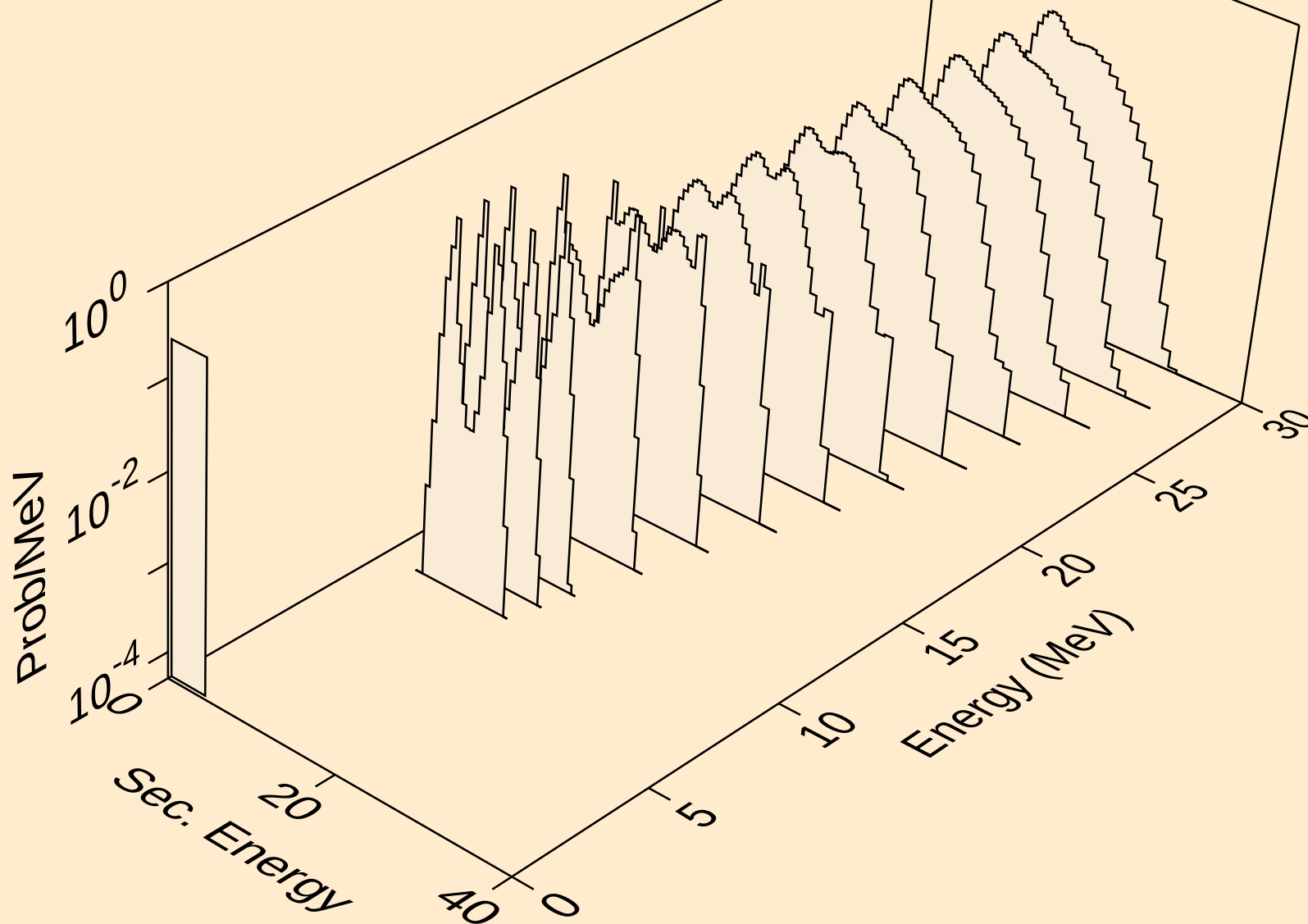


LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,a)

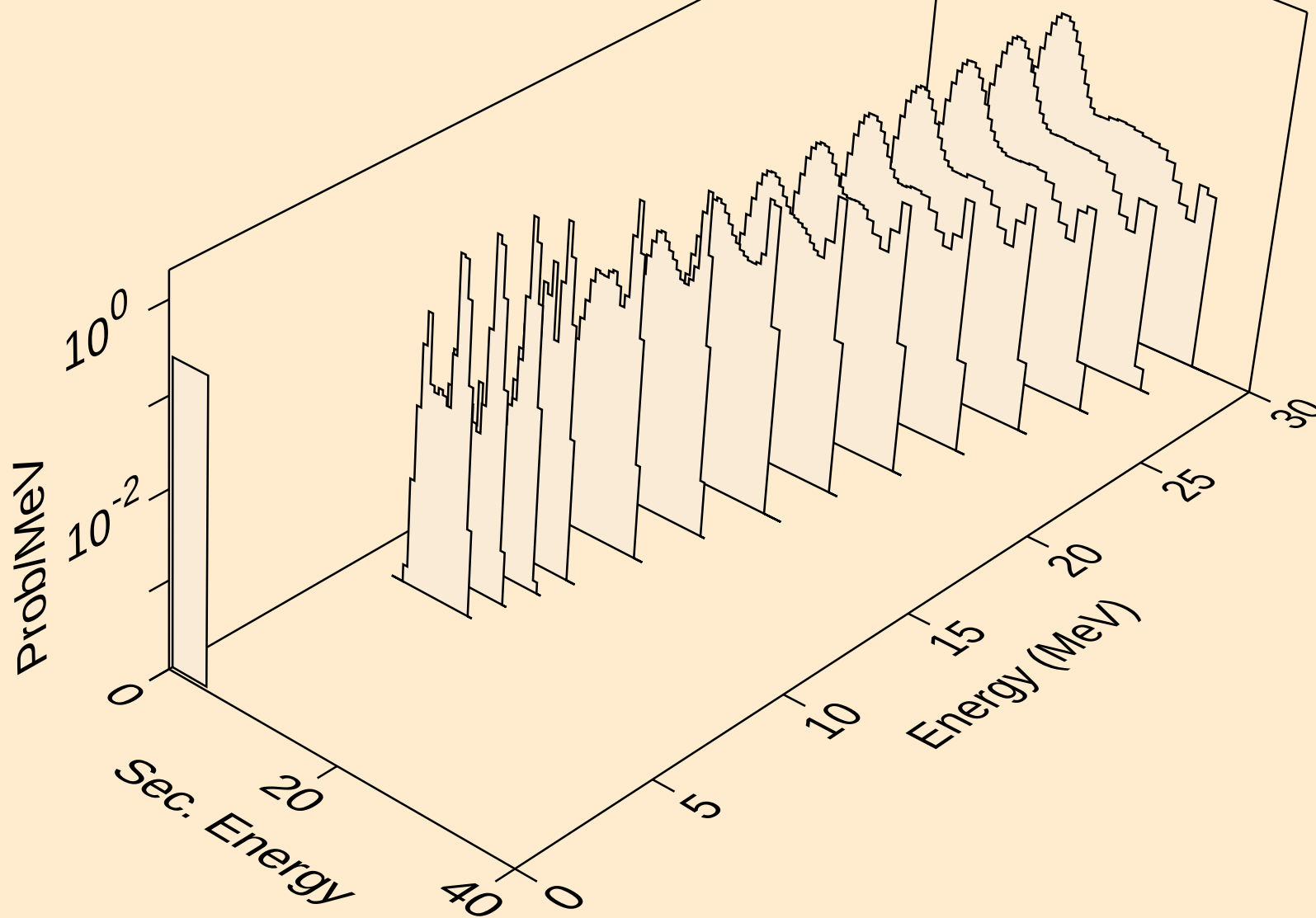




LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,2a)



LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,pa)



LA138 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,da)

