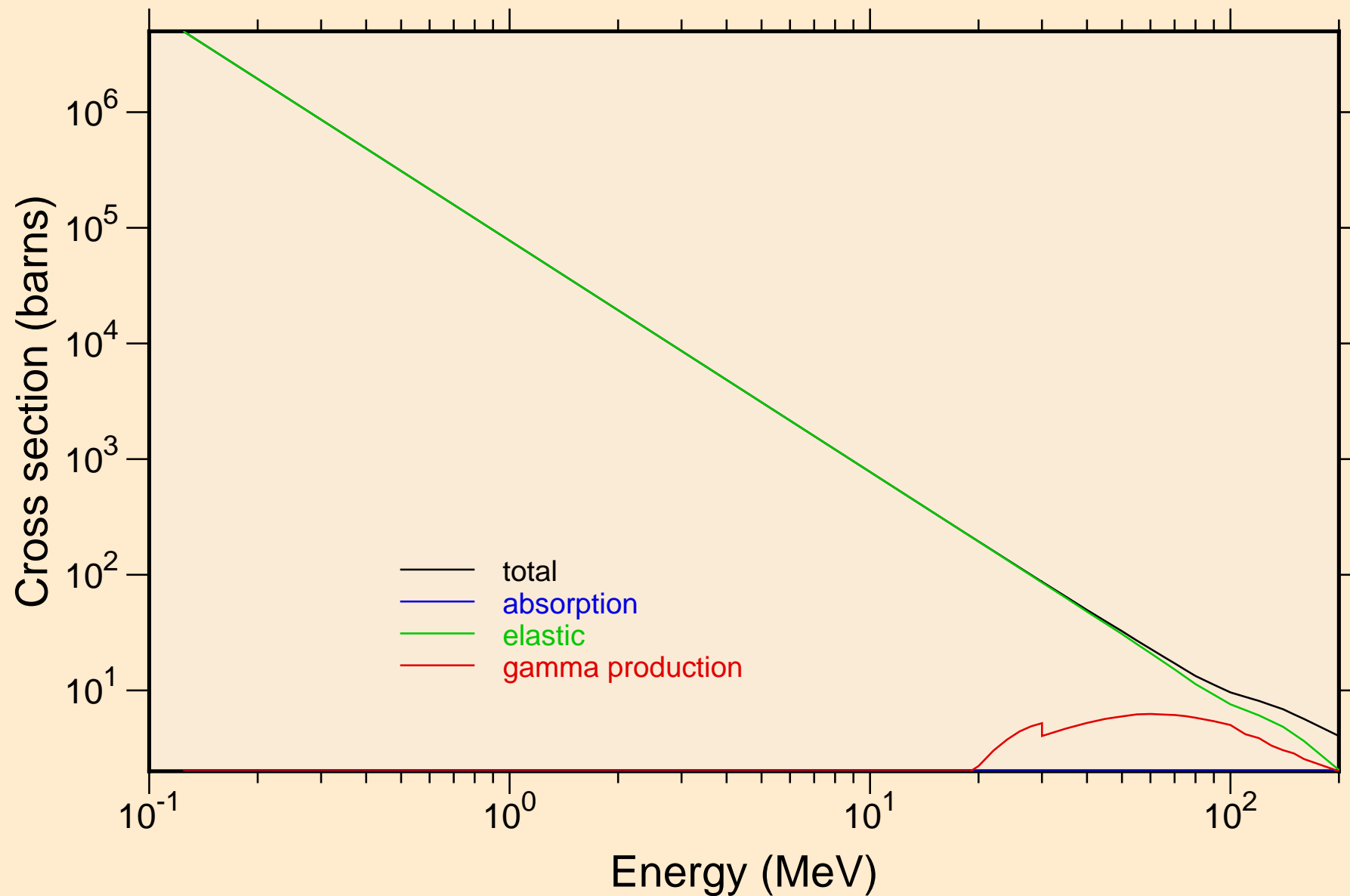


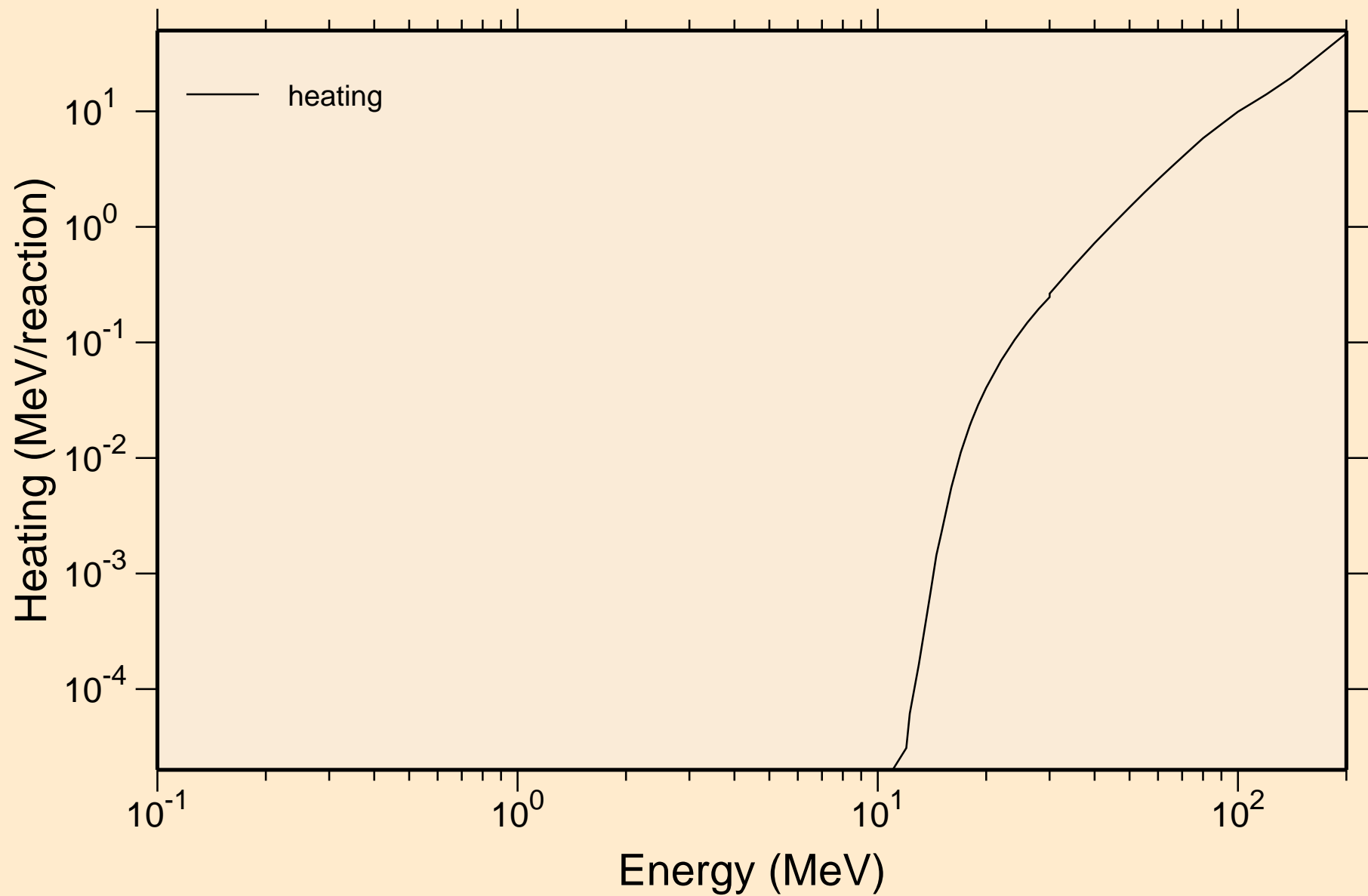
# CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



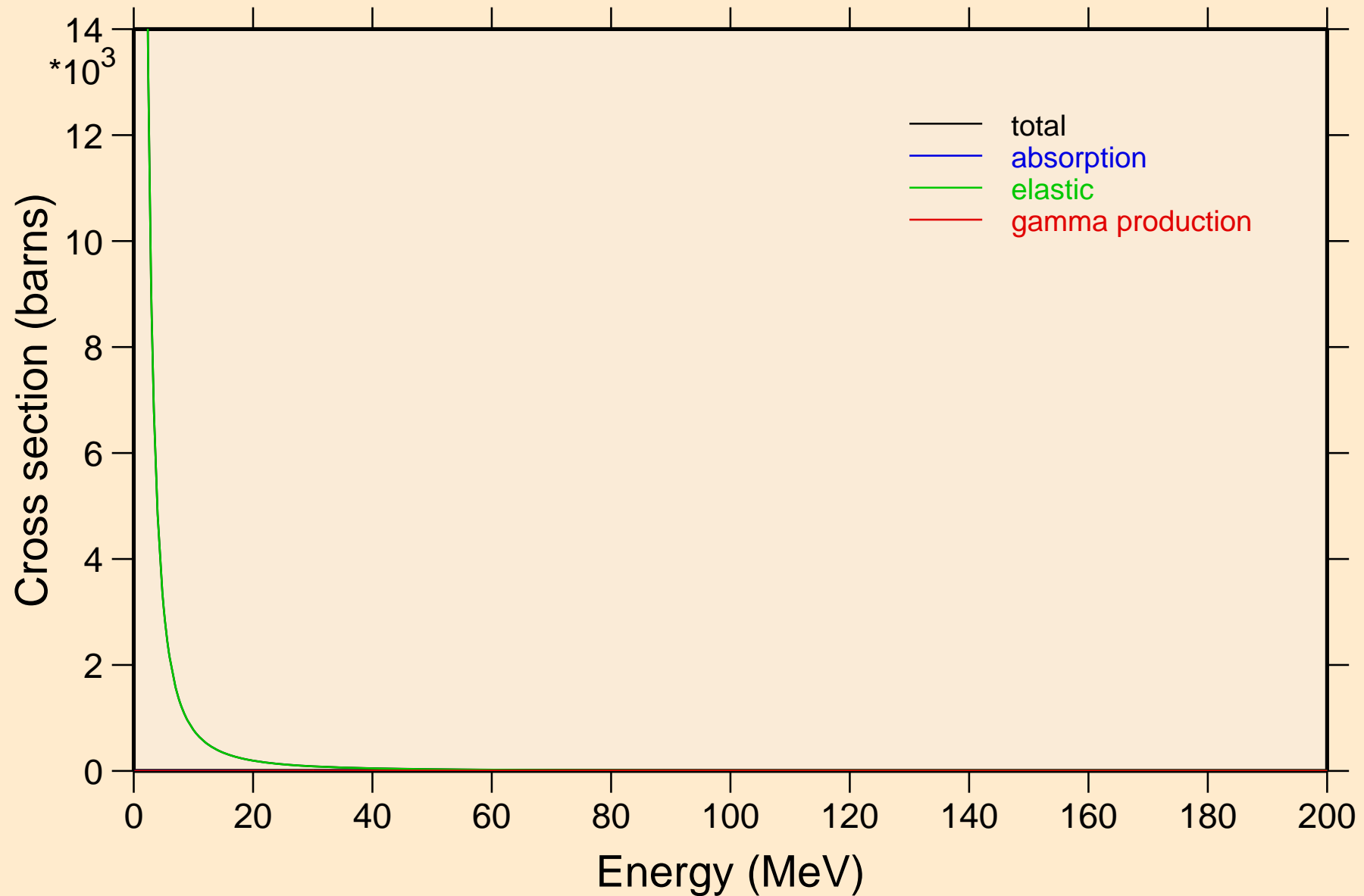
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K

Heating



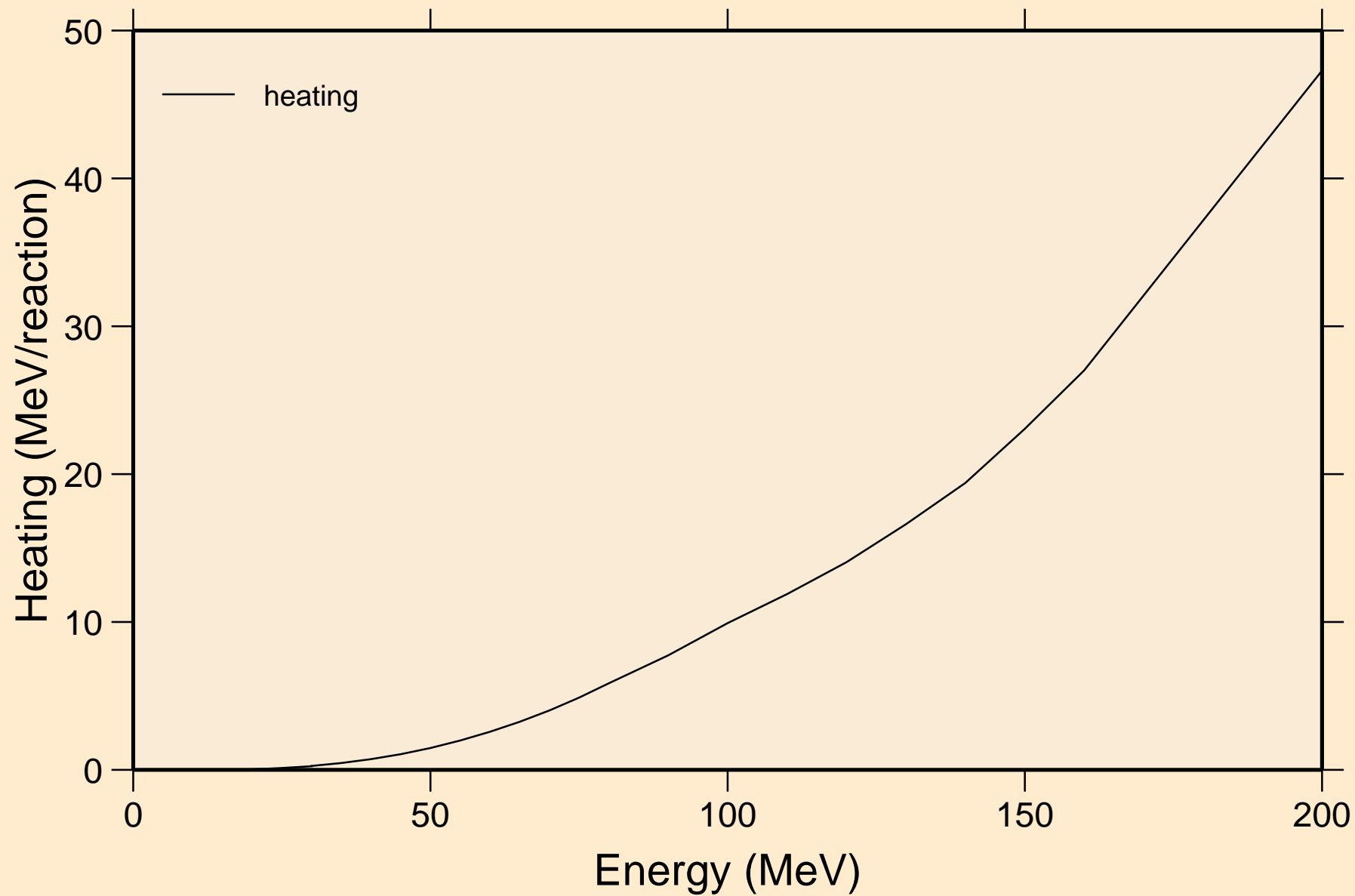
# CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



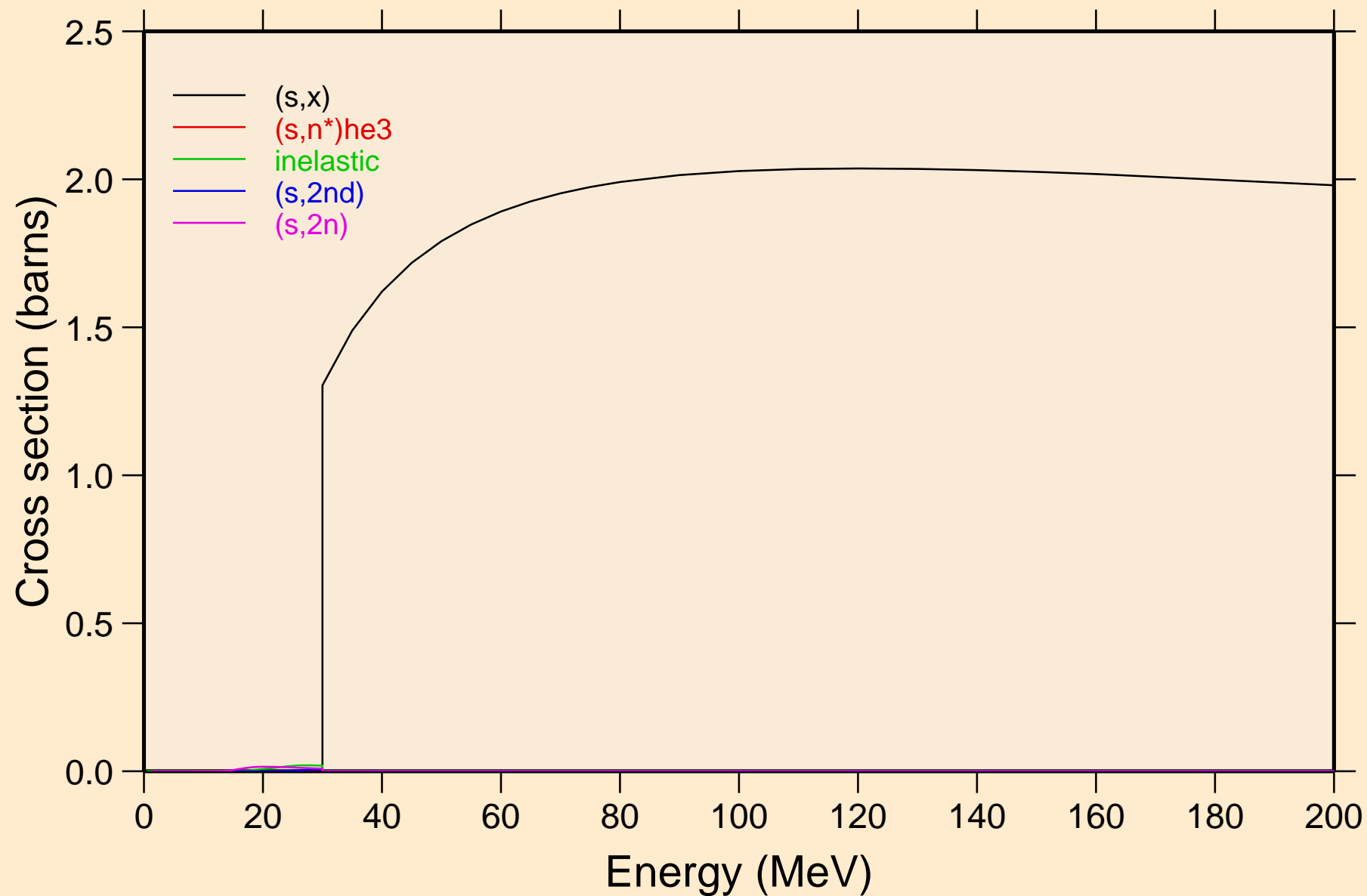
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K

Heating



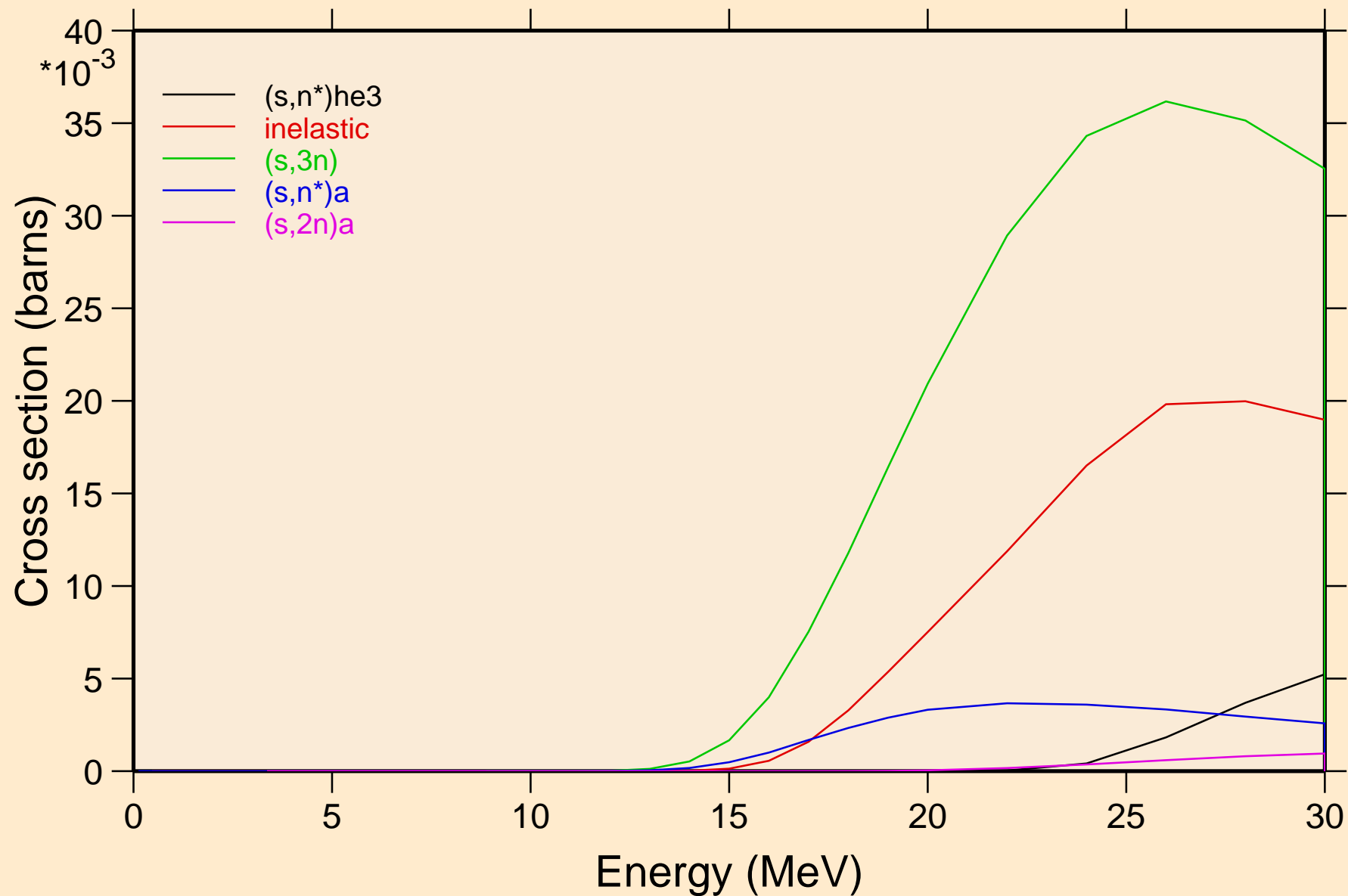
# CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K

Threshold reactions



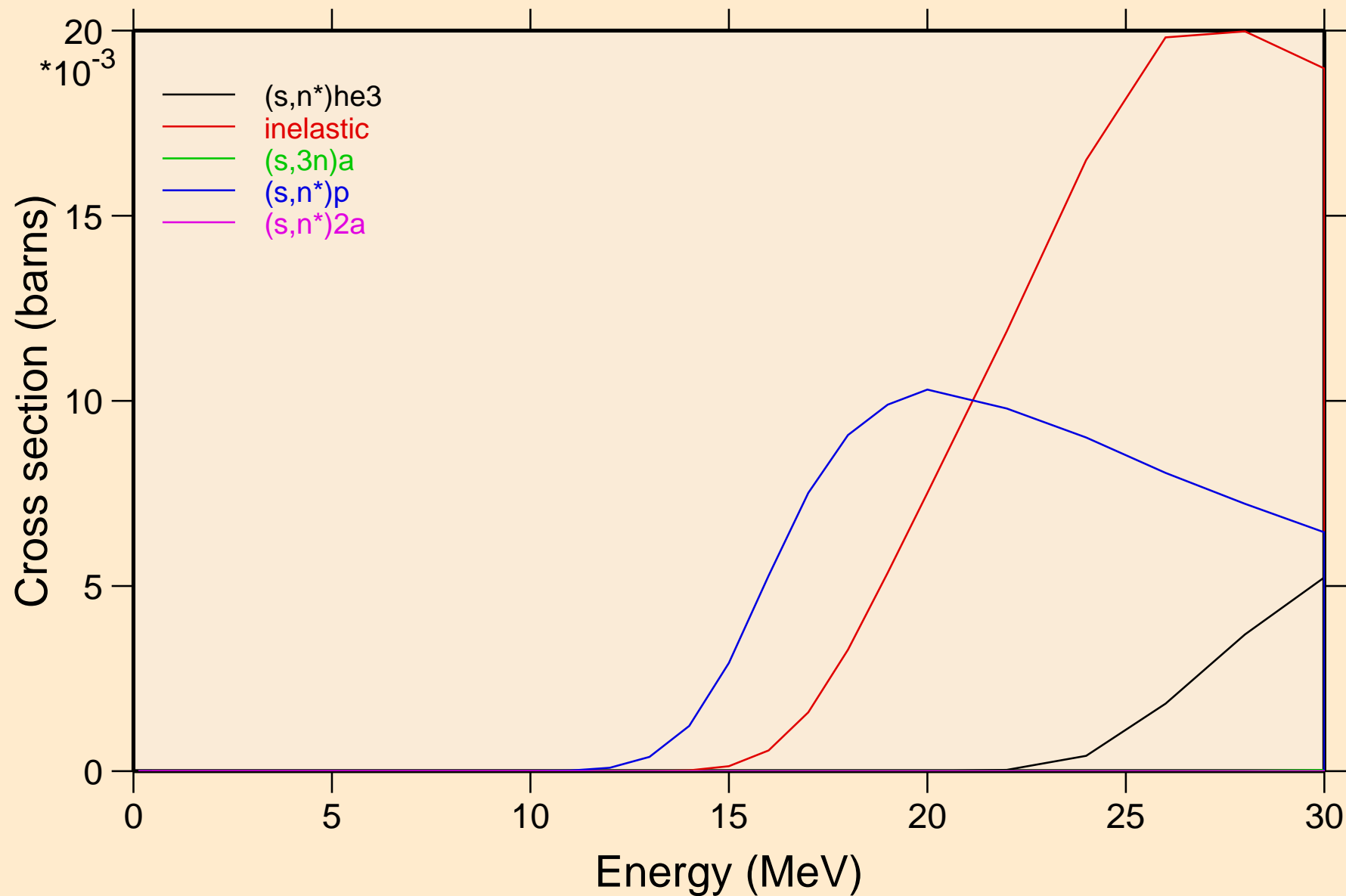
# CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



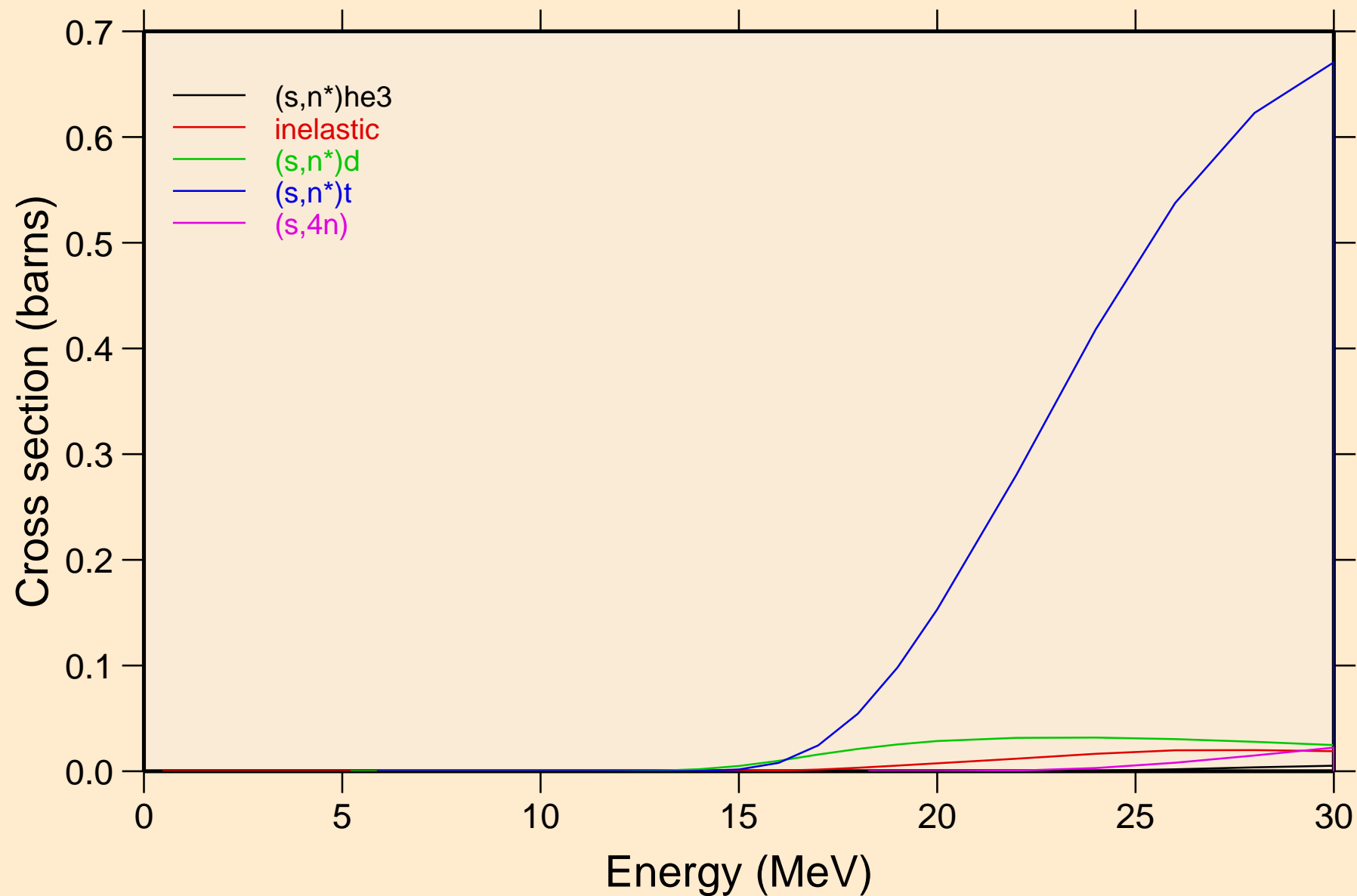
# CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



# CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K

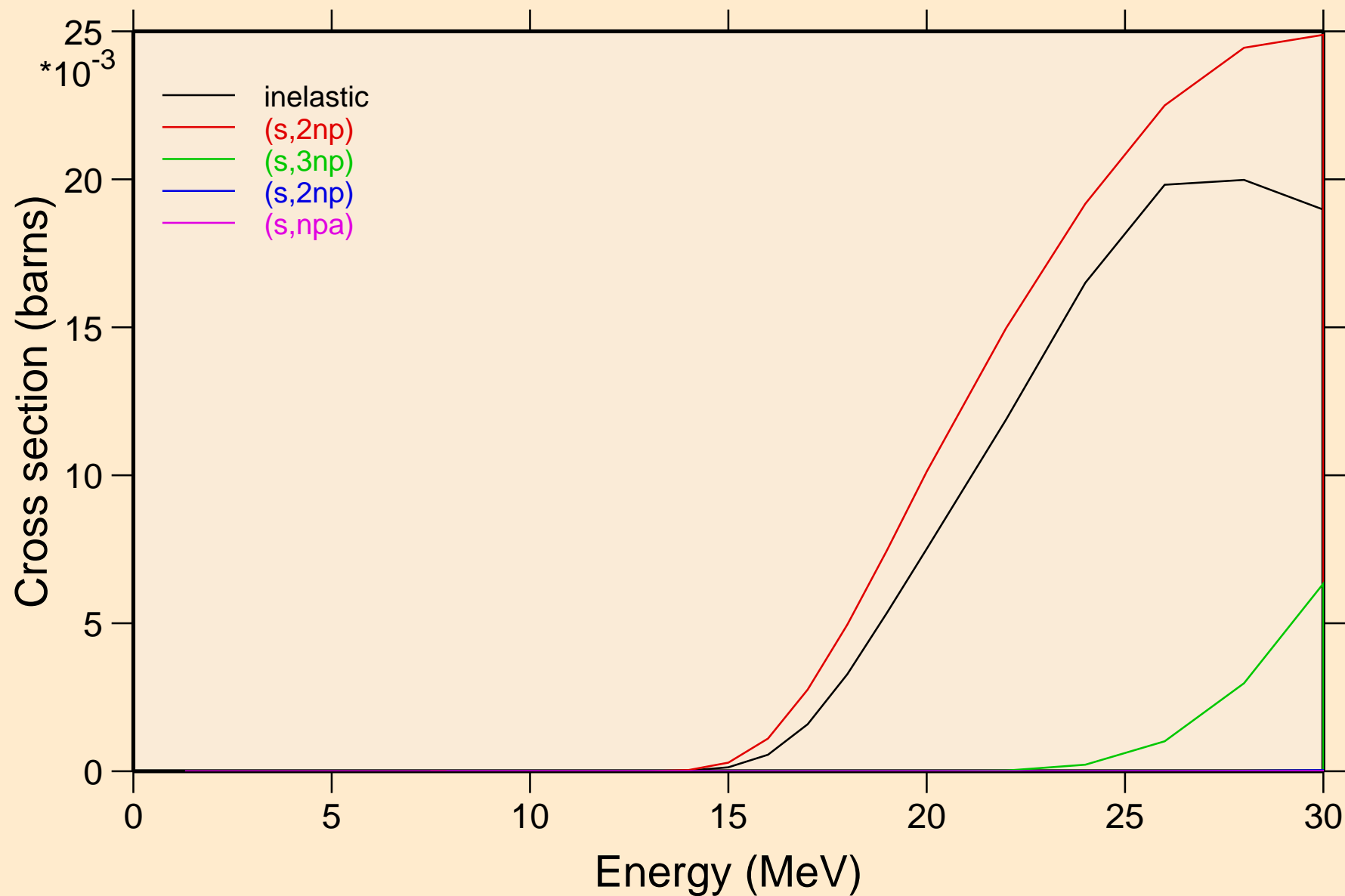
## Threshold reactions





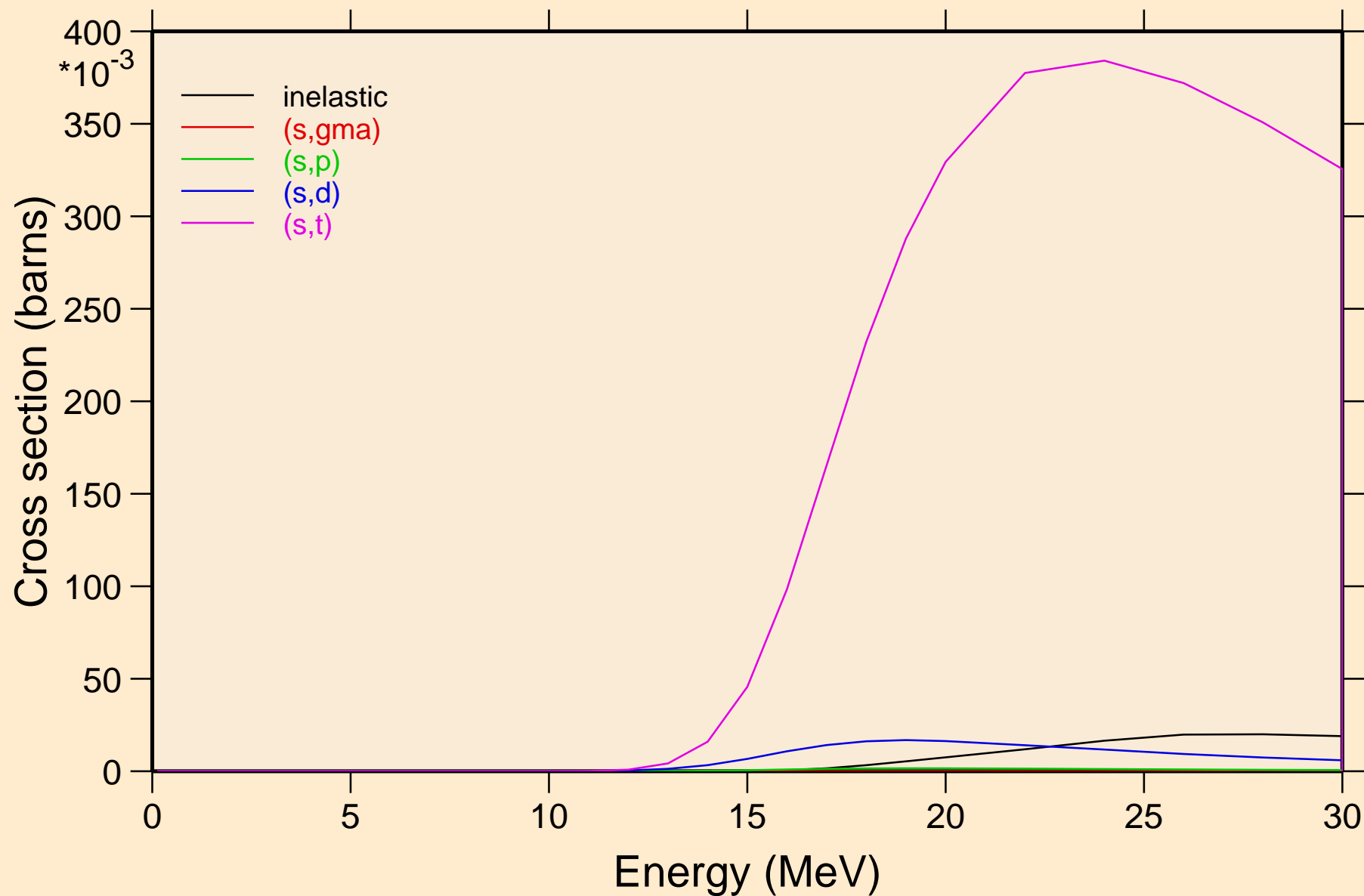
# CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



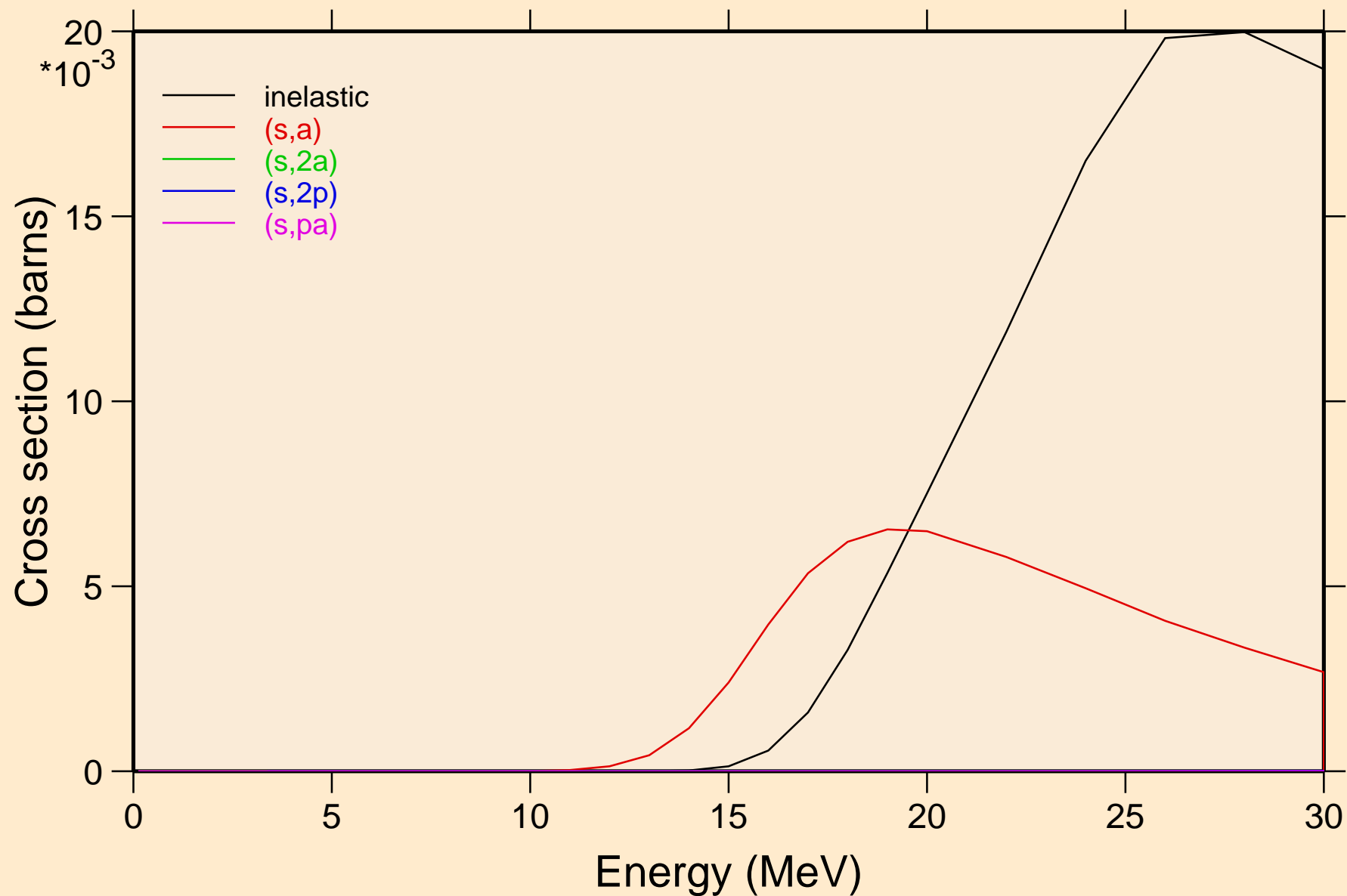
# CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



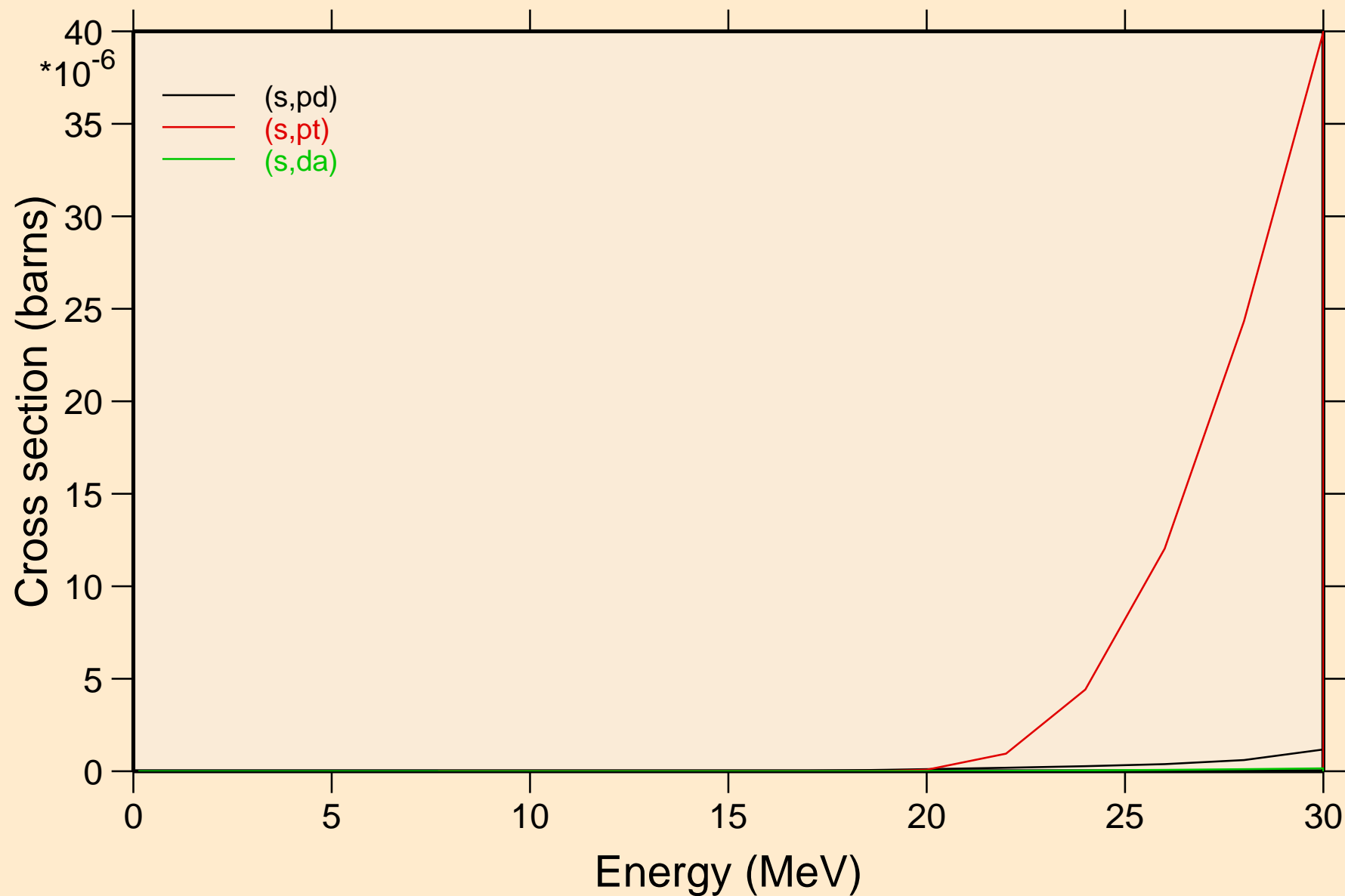
# CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions

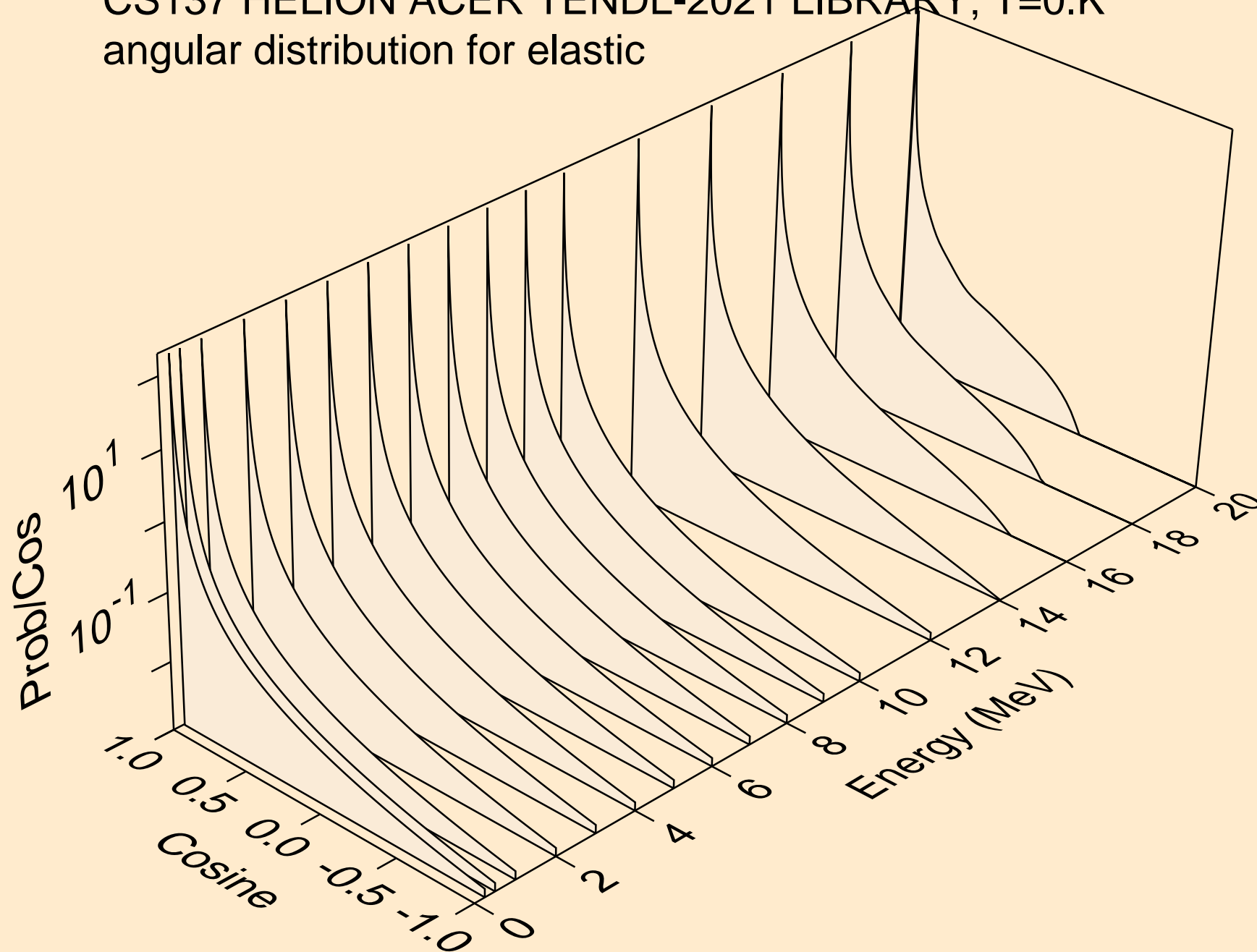


# CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K

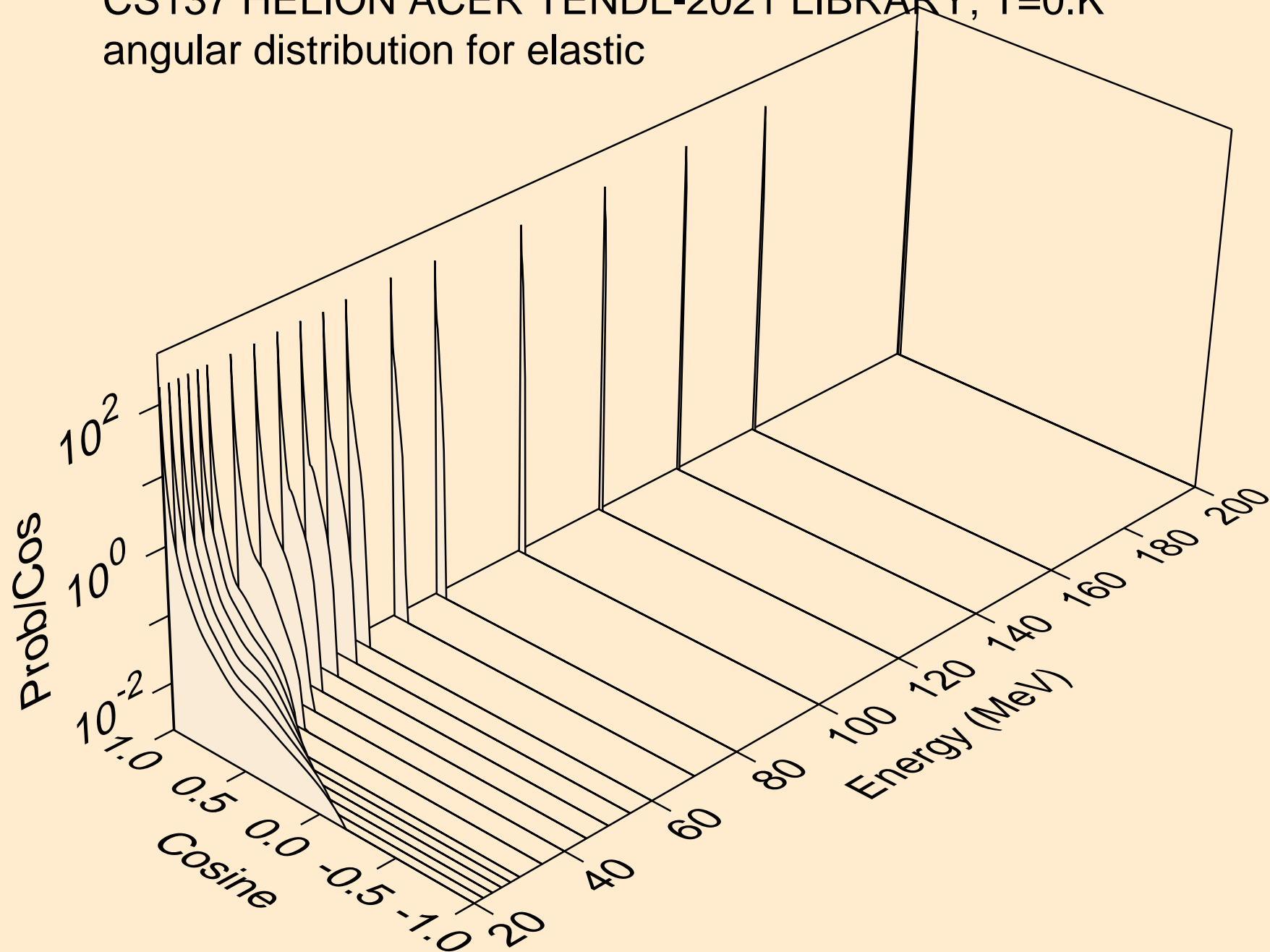
Threshold reactions



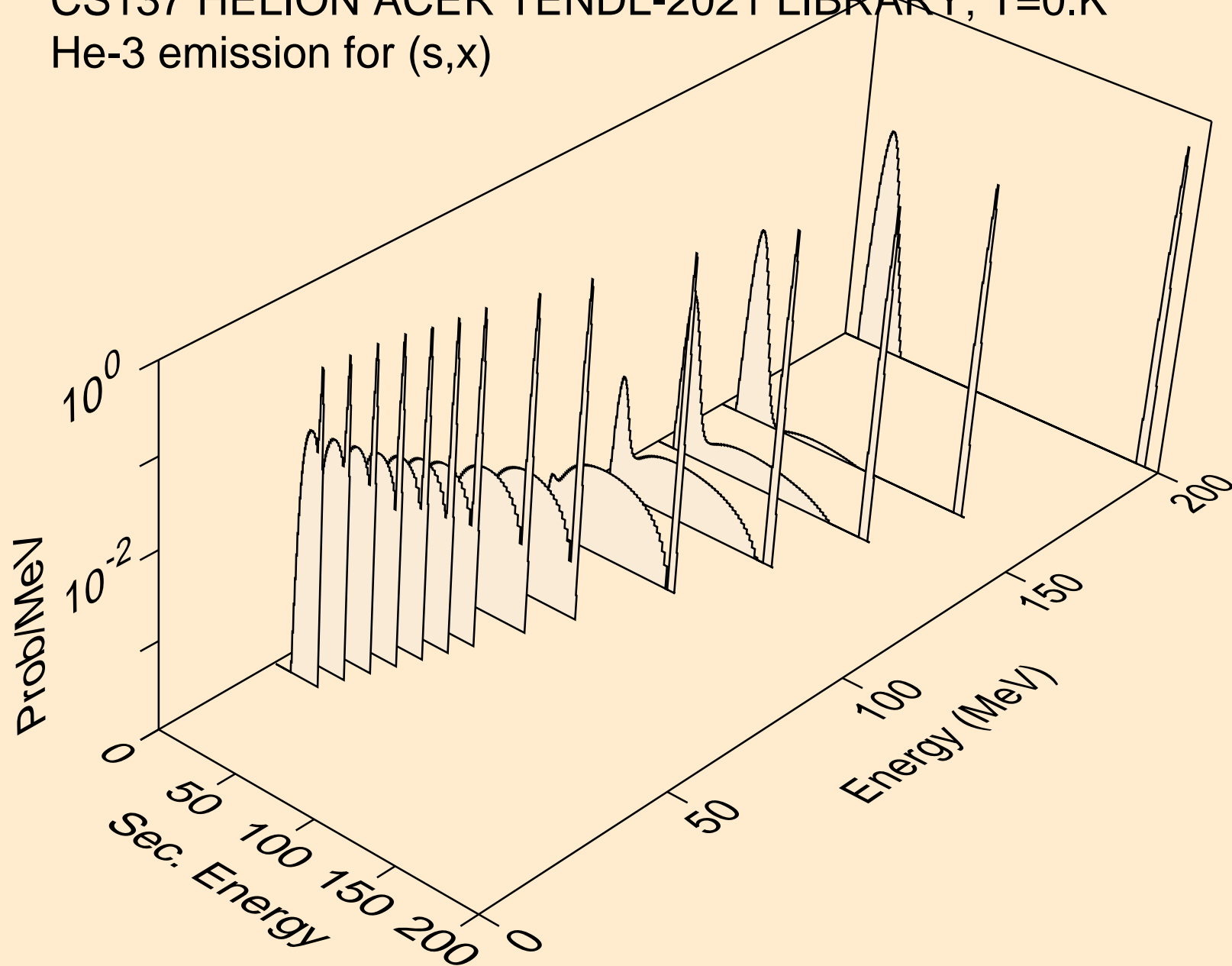
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



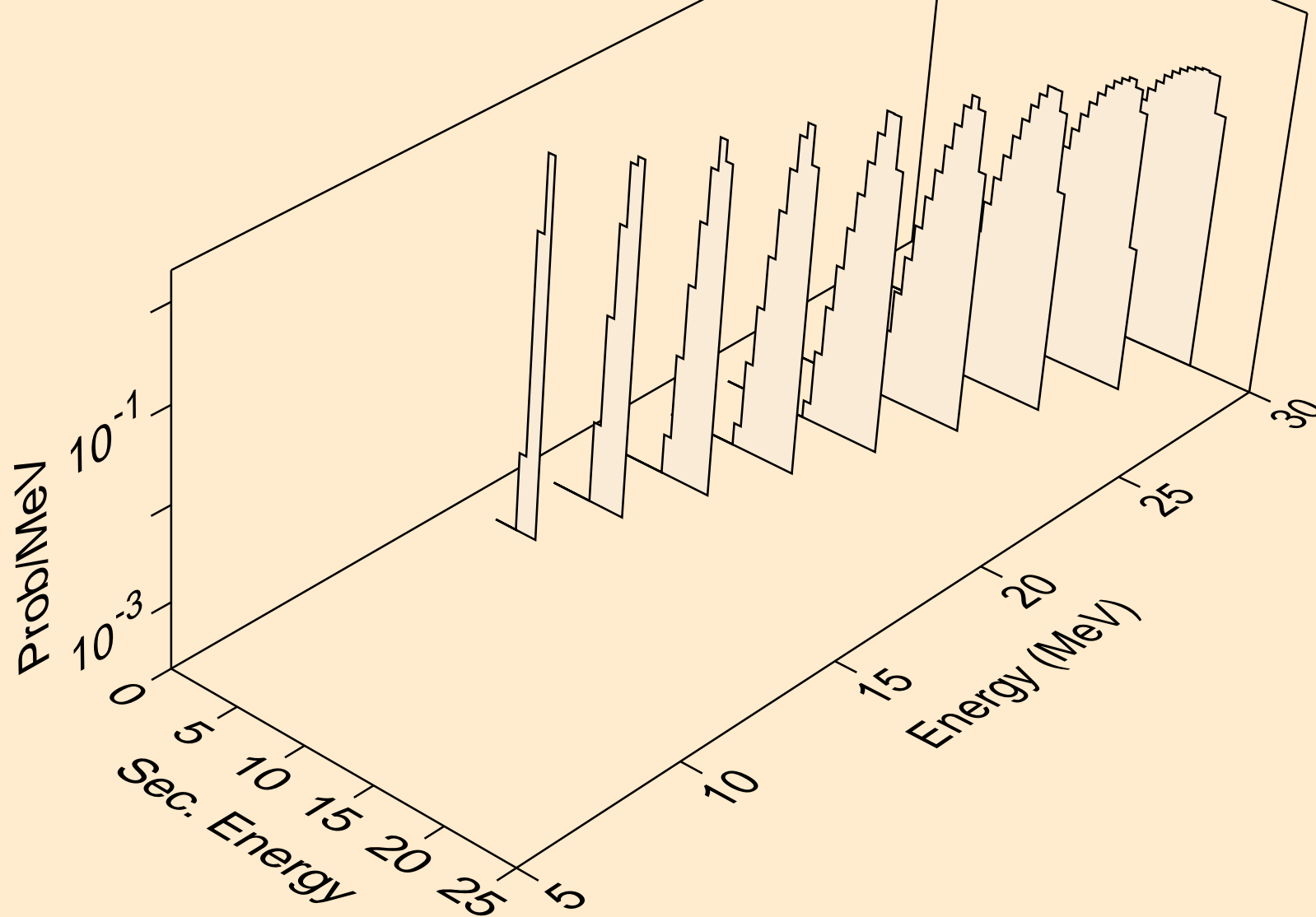
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,x)

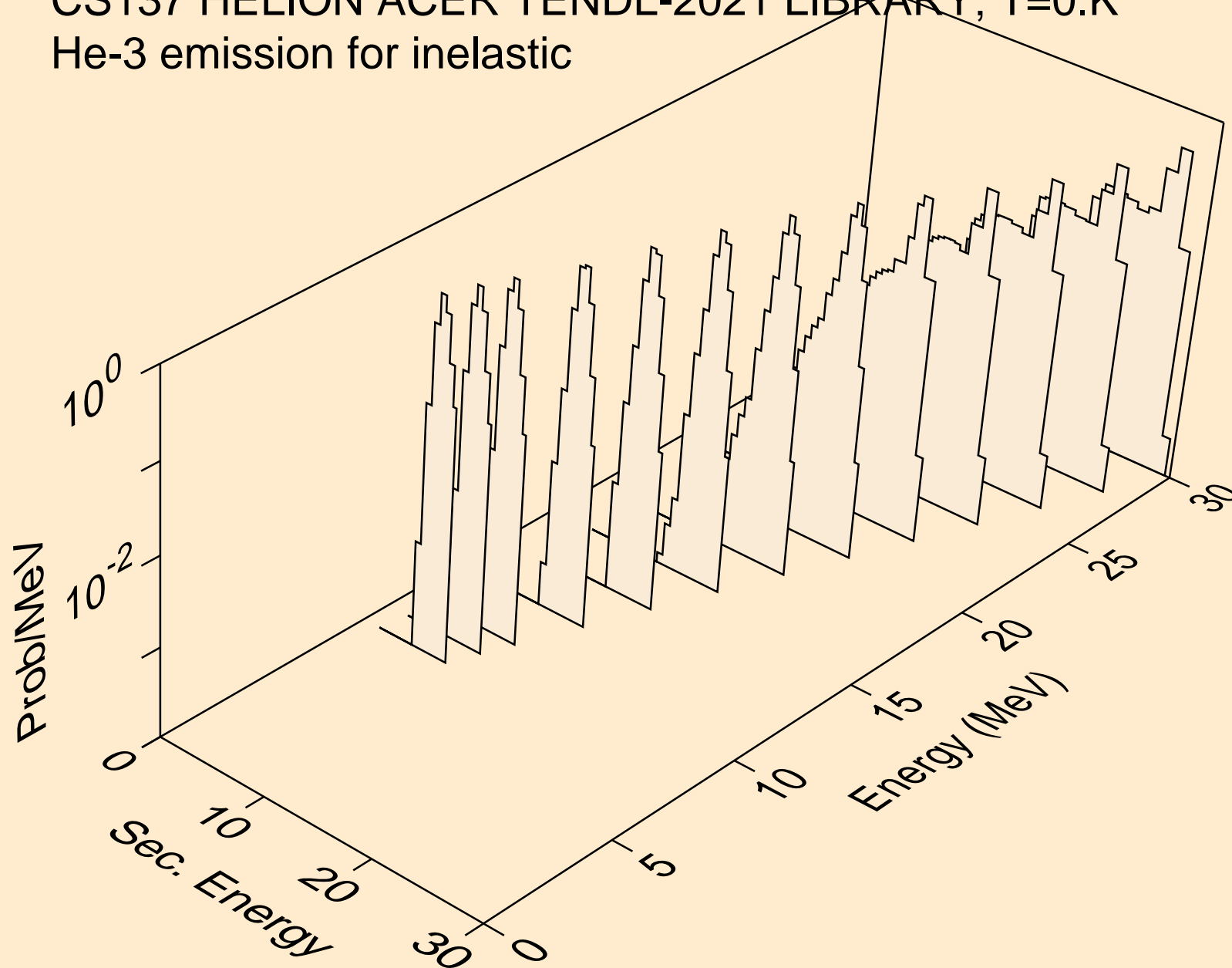


CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

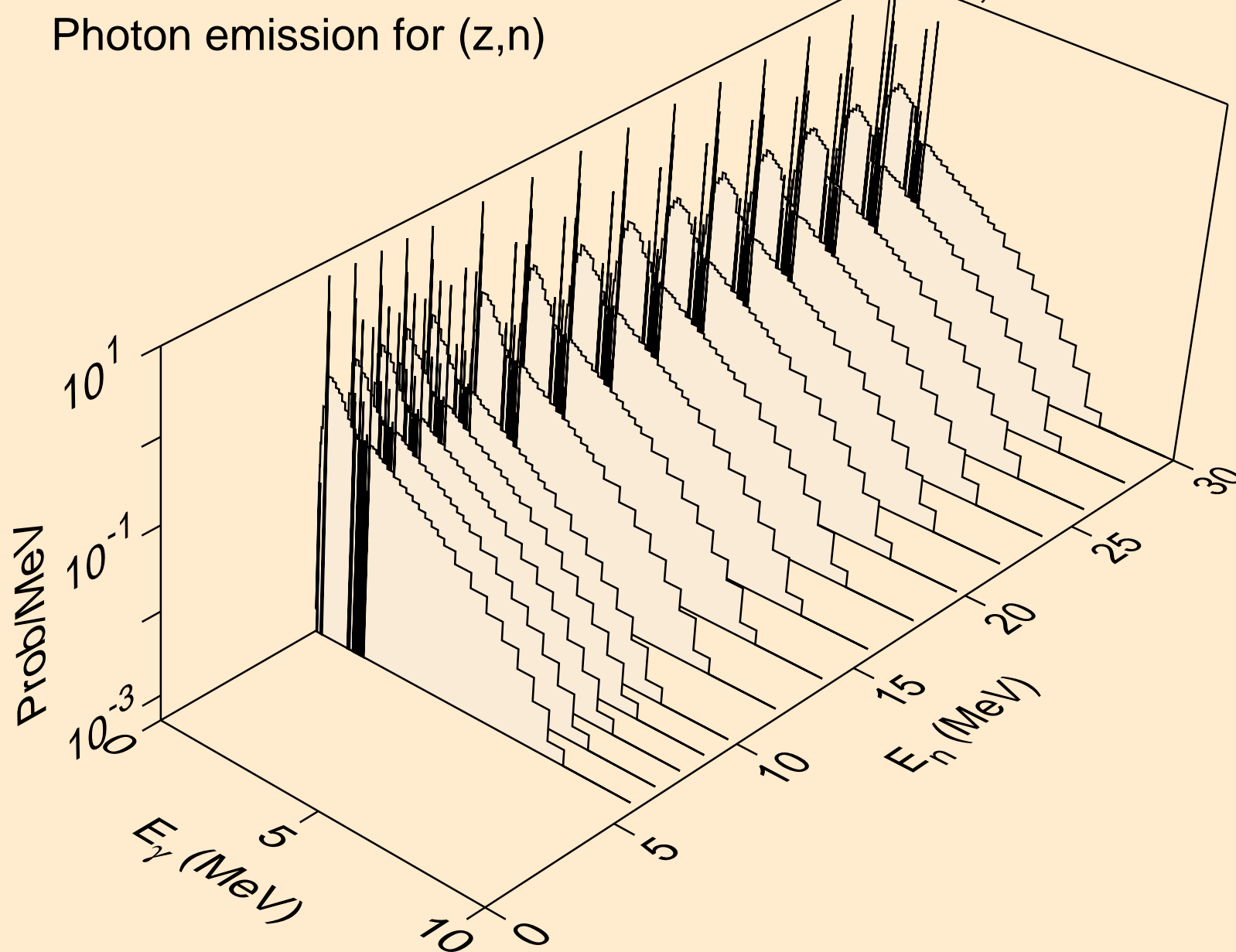




CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for inelastic

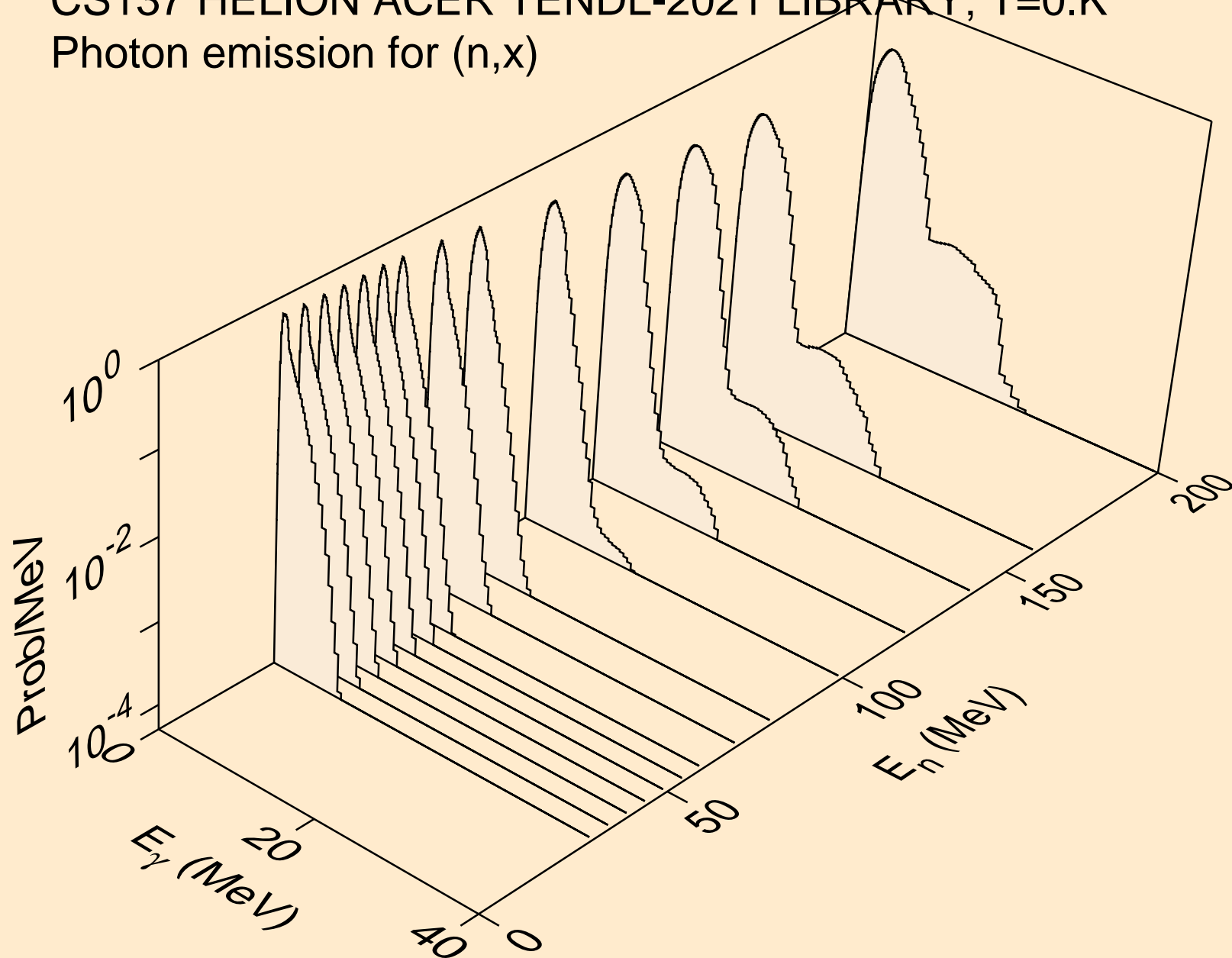


CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)

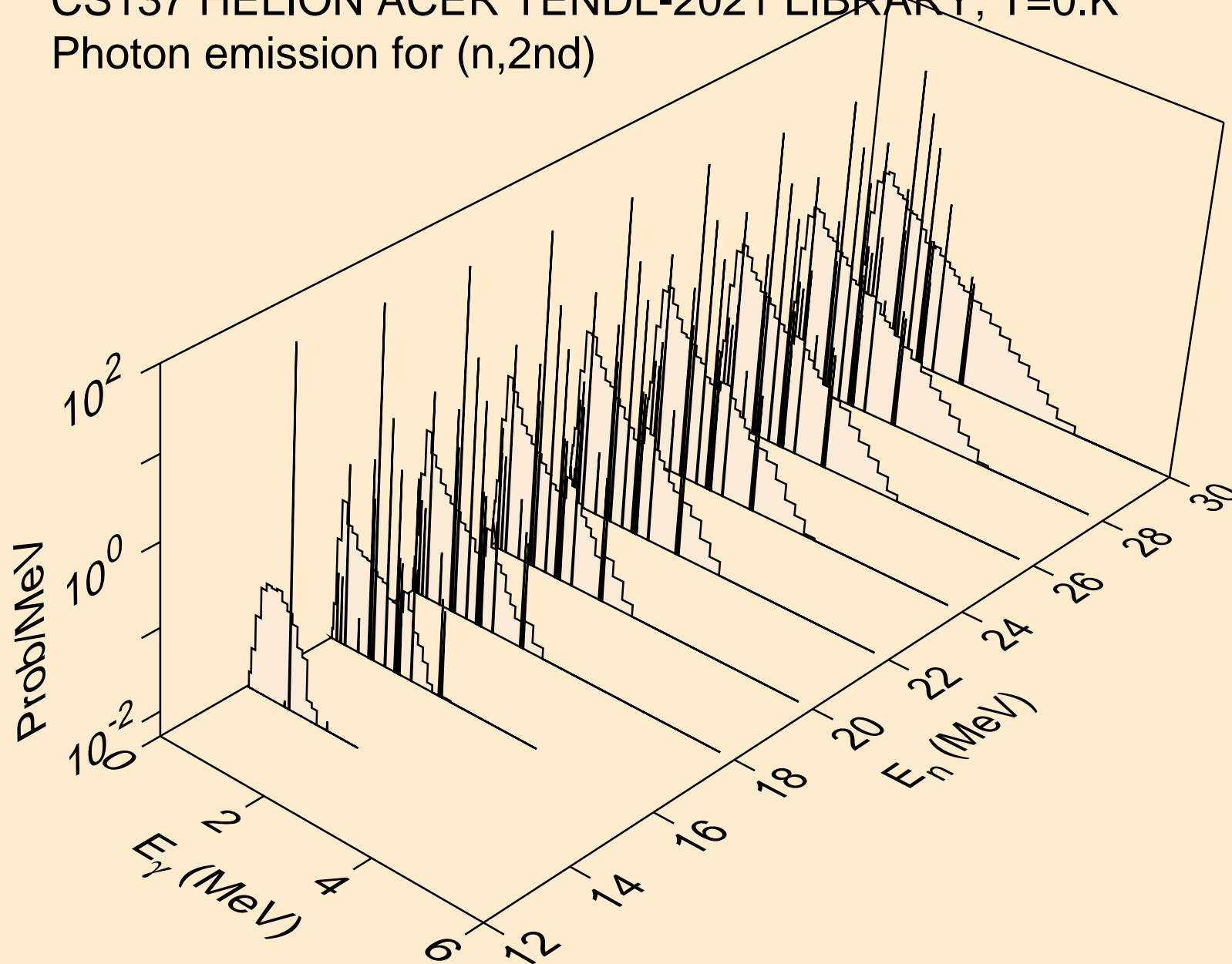


CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K

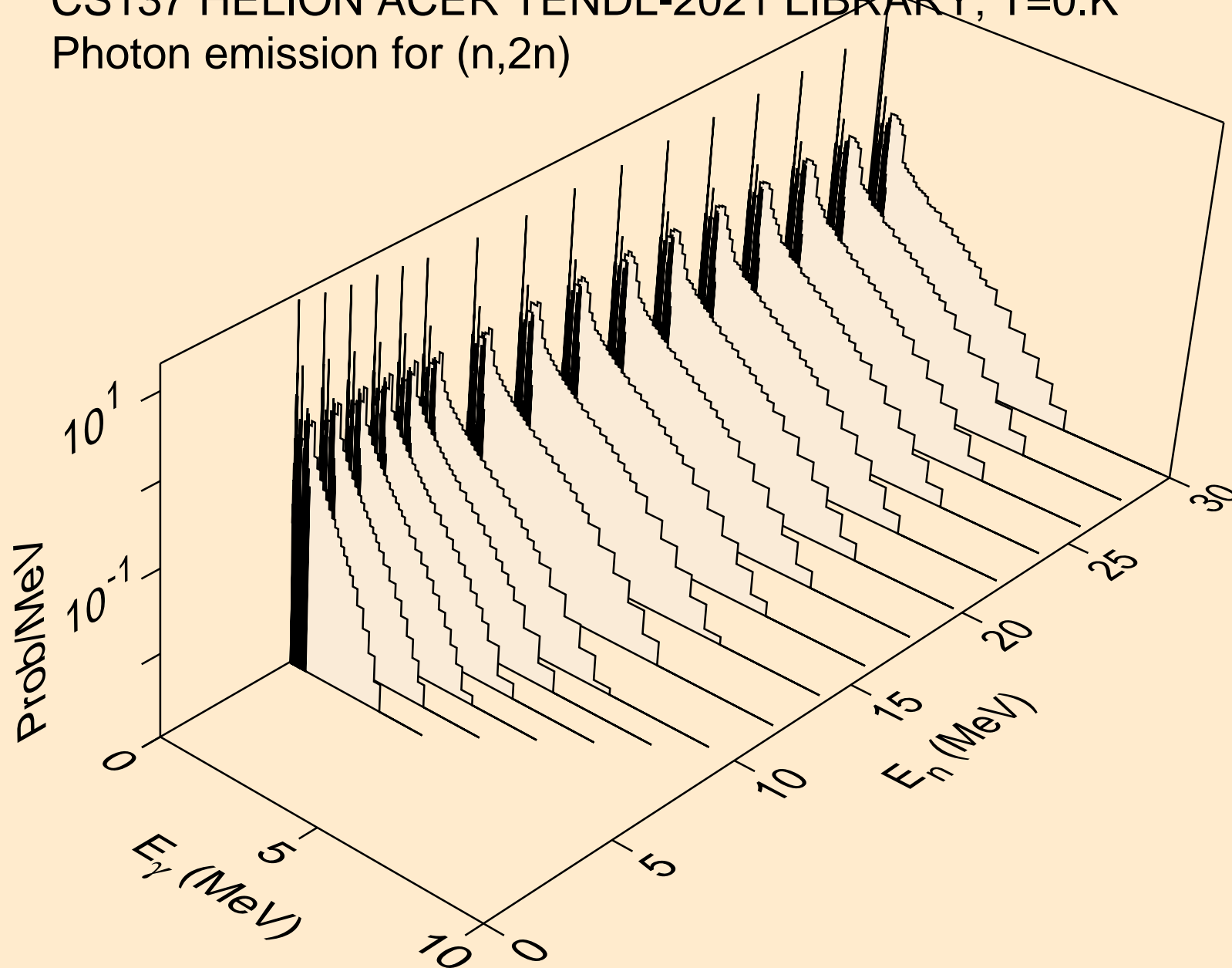
Photon emission for (n,x)



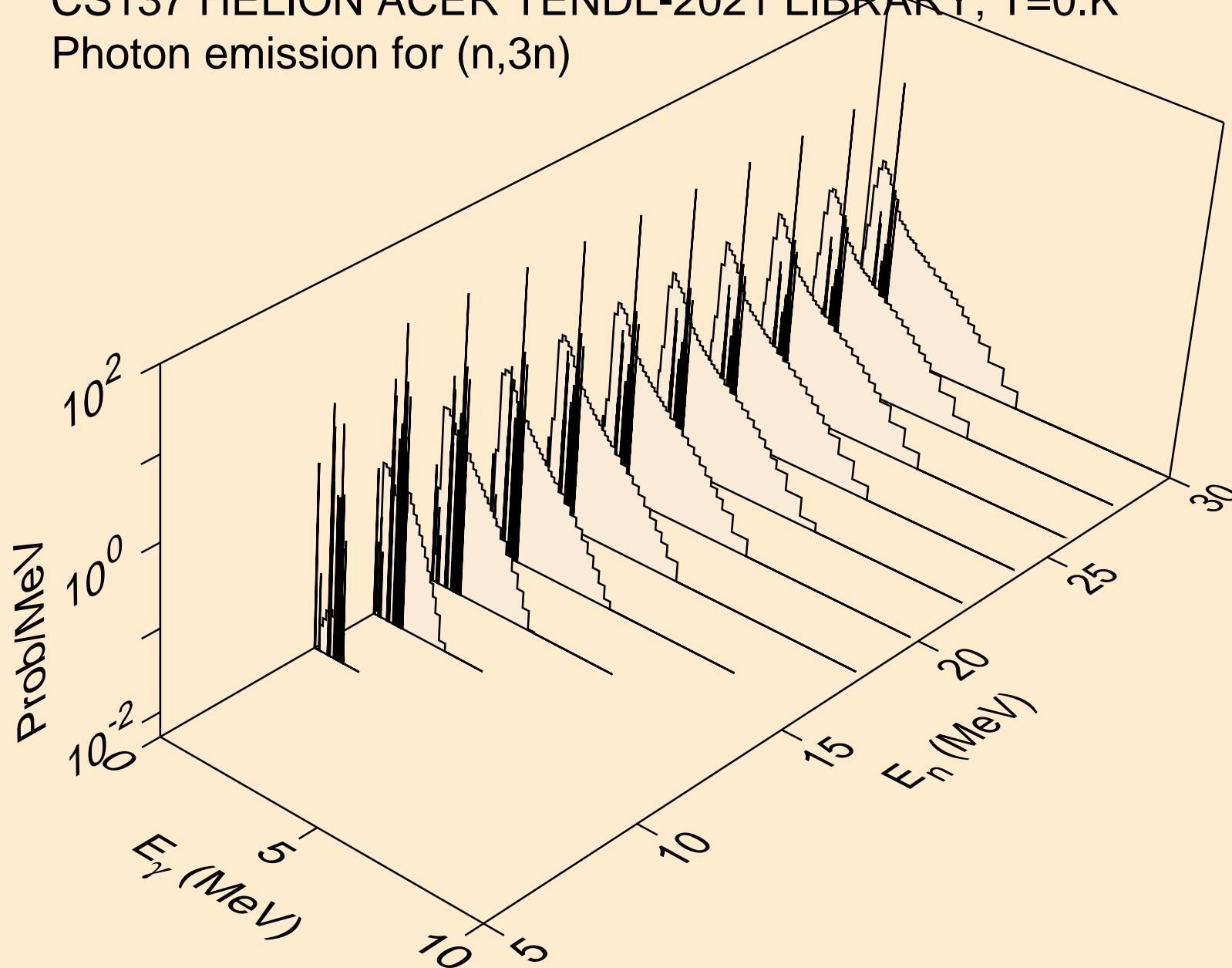
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2nd)



CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)

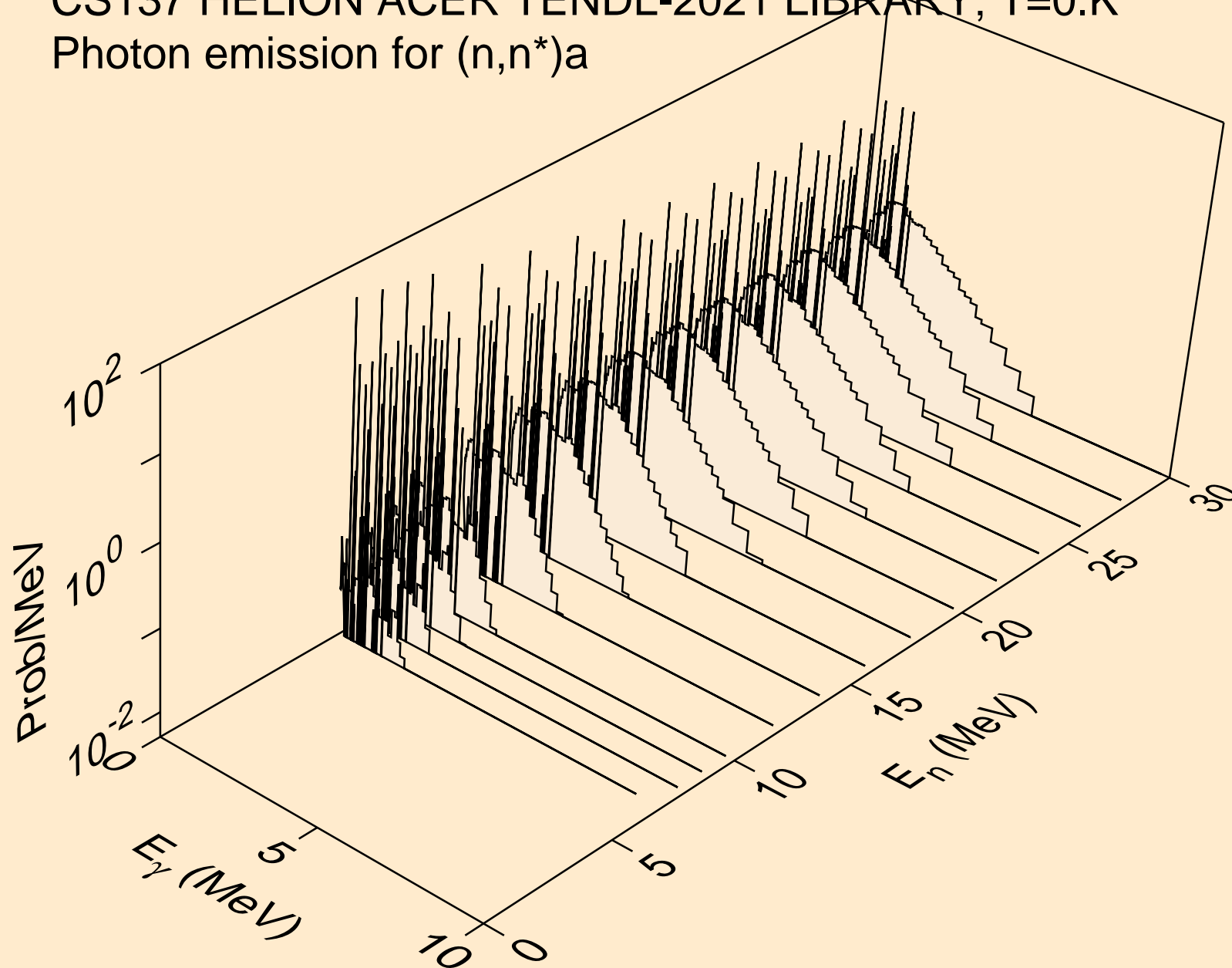


CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)



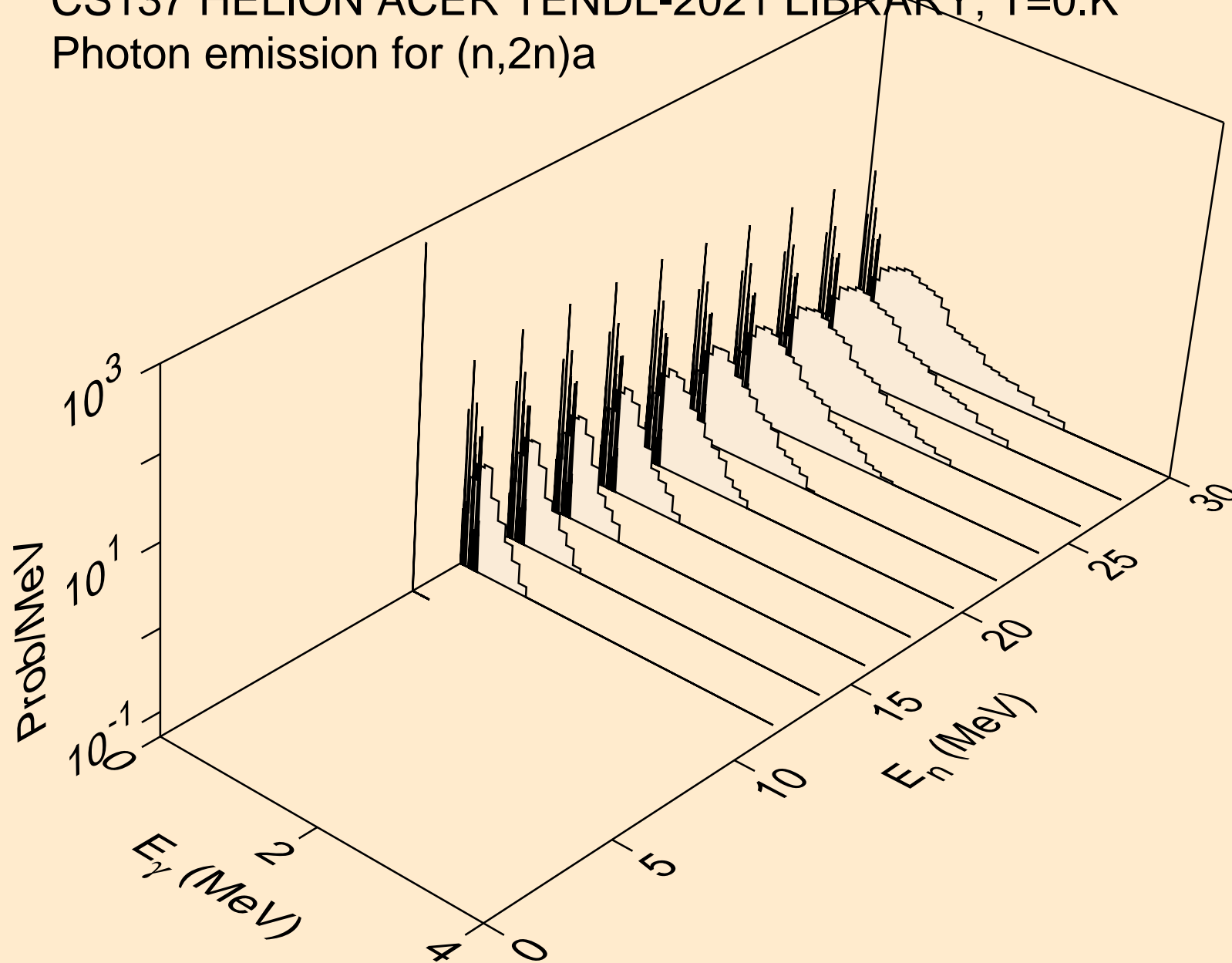
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,n\*)a



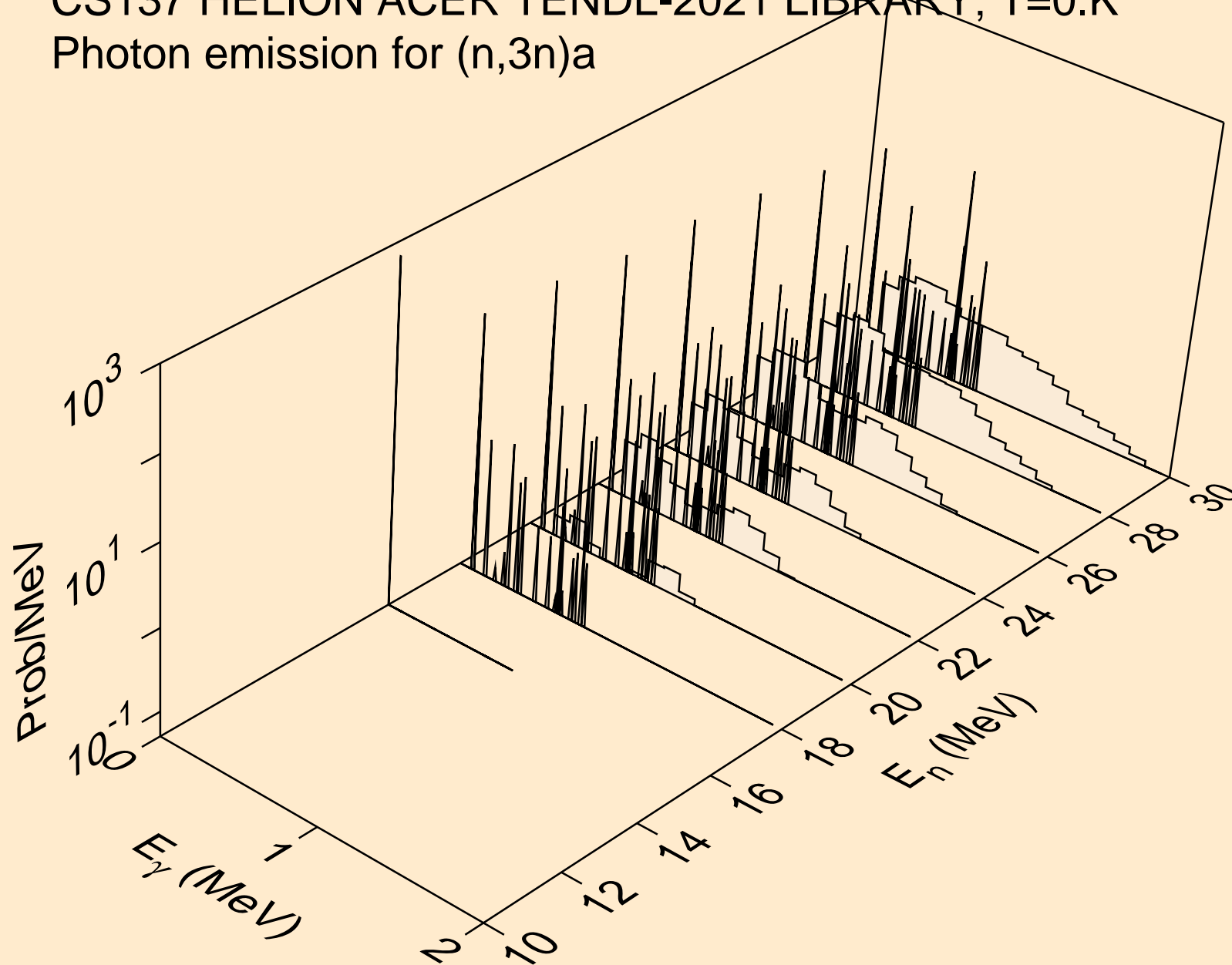
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,2n) $\alpha$



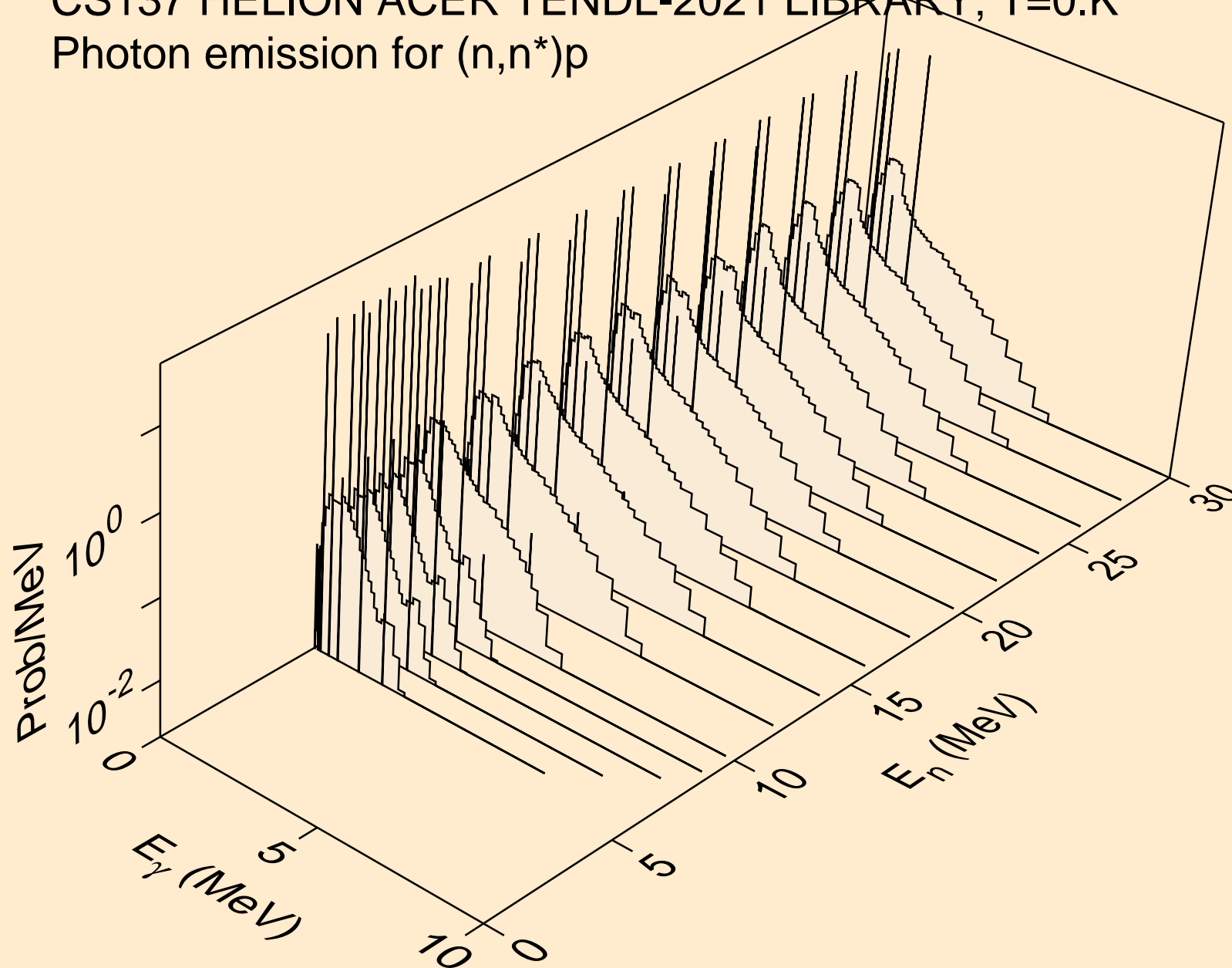


CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)a



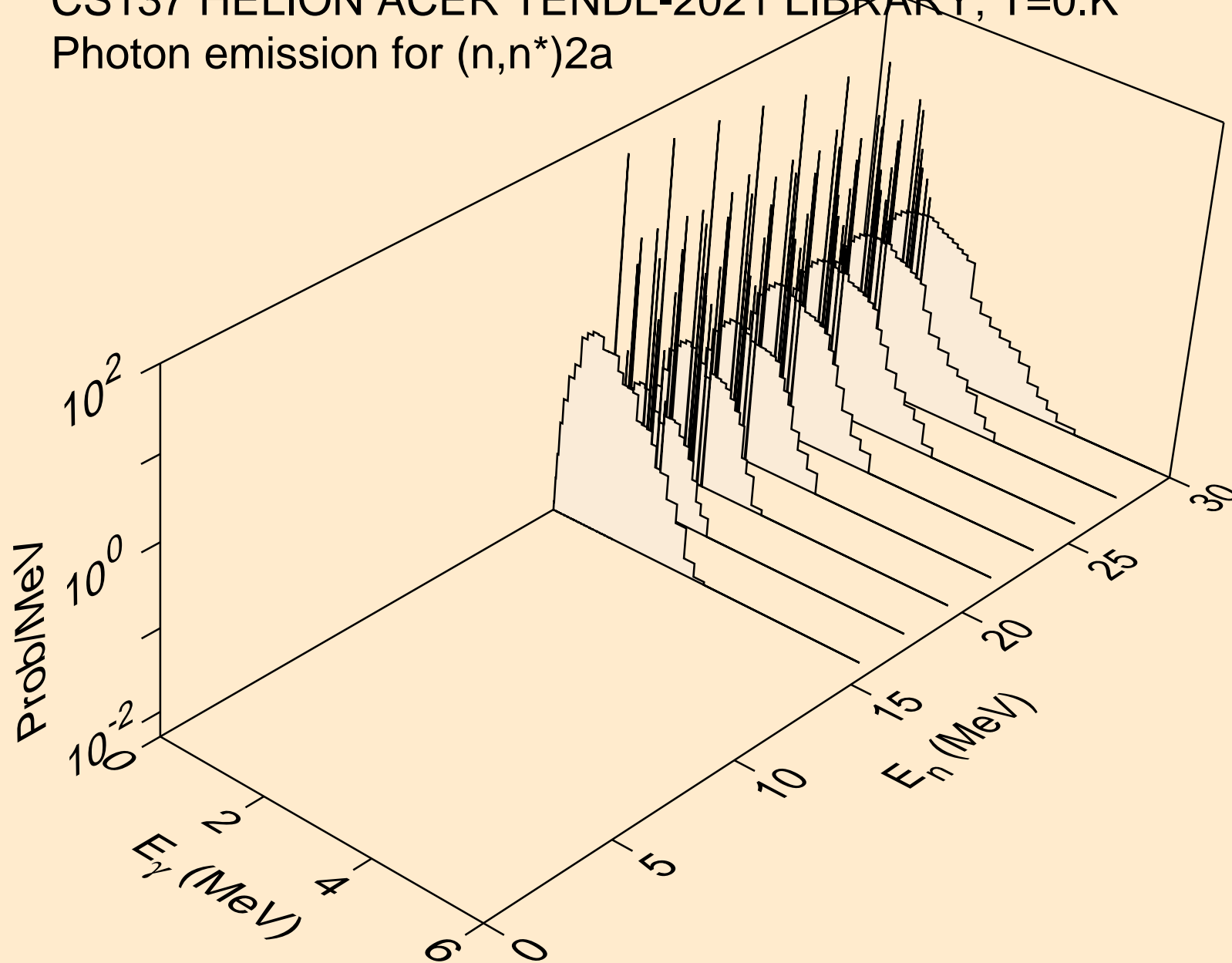
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,n\*)p



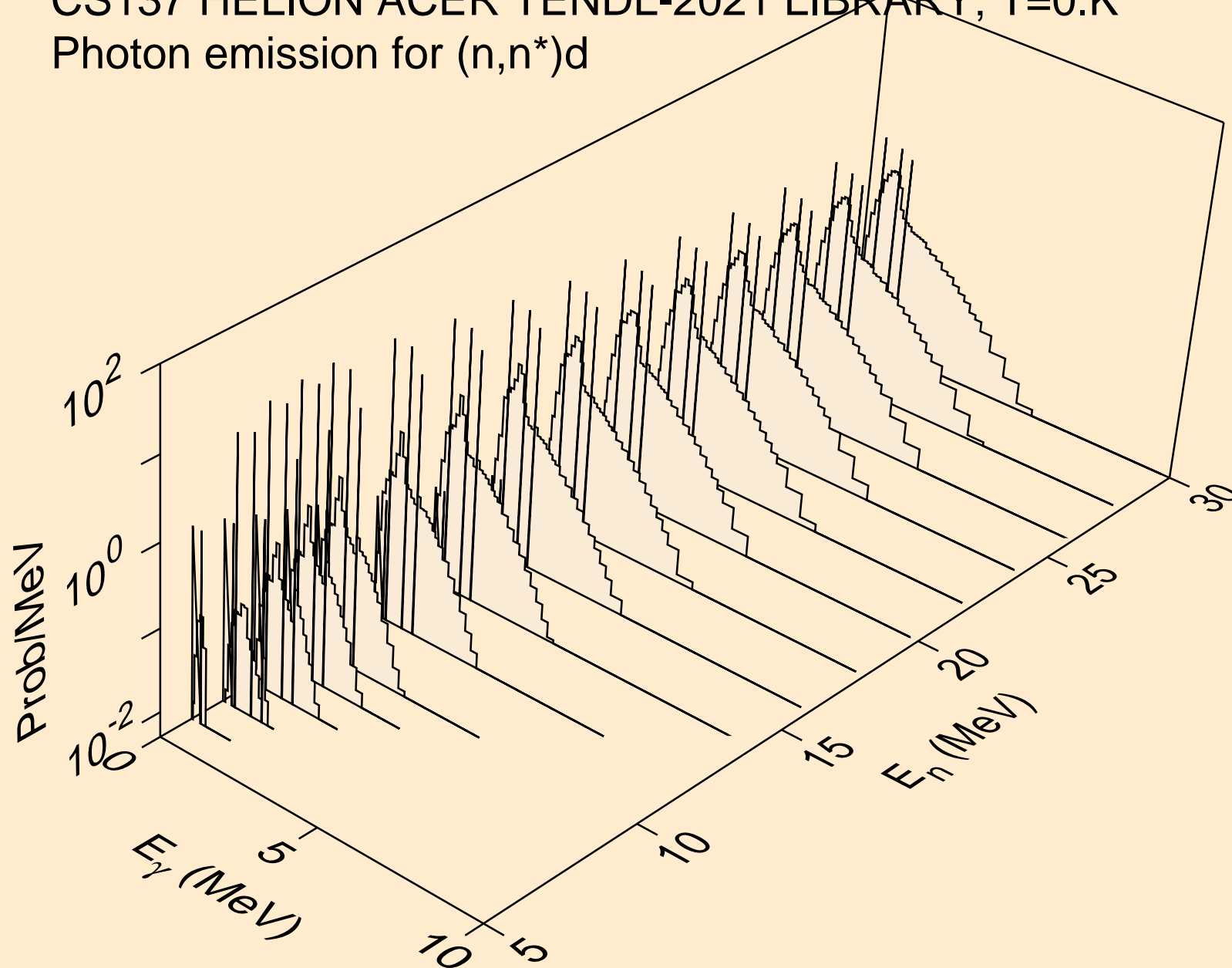
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,n\*)2a



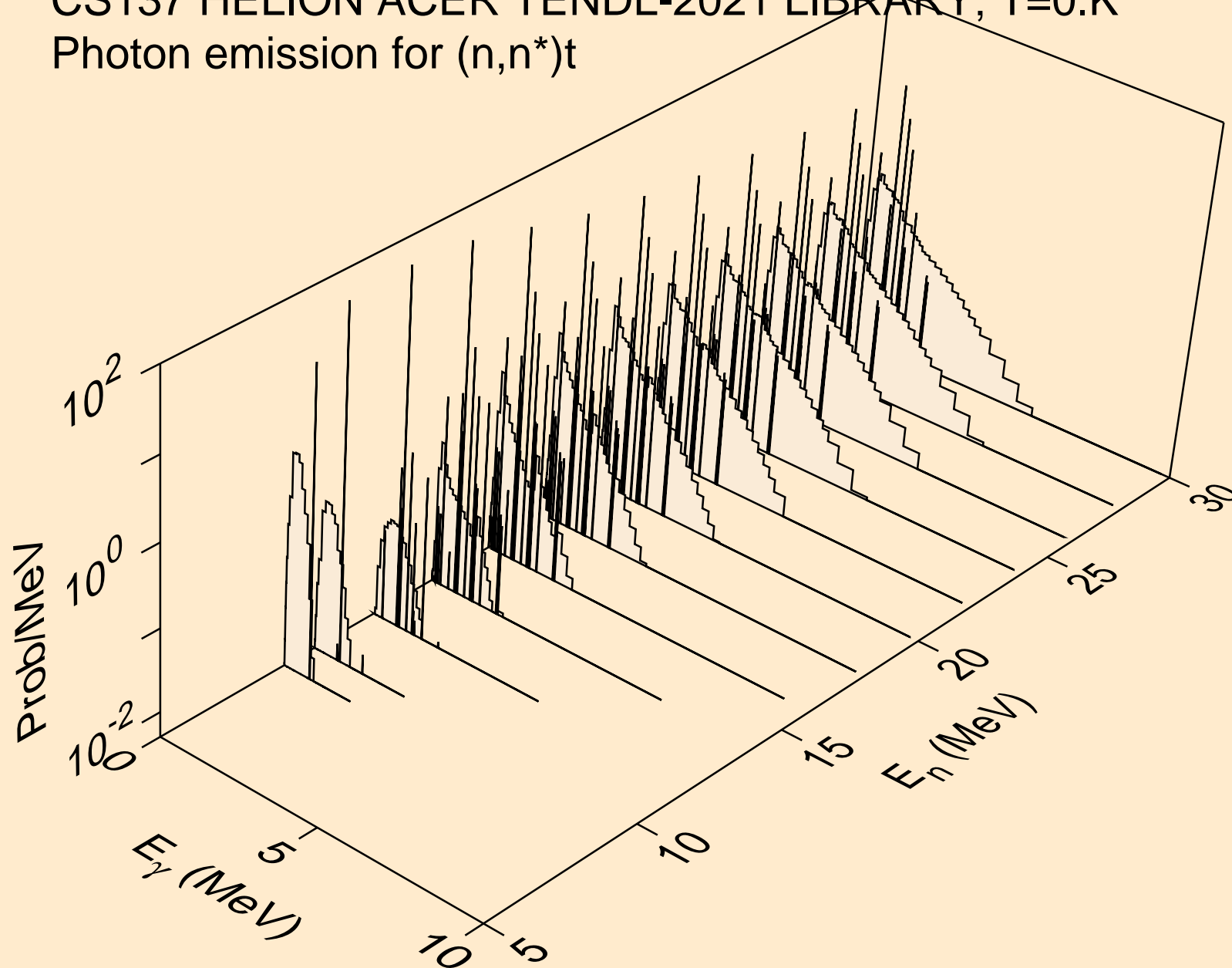
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,n\*)d



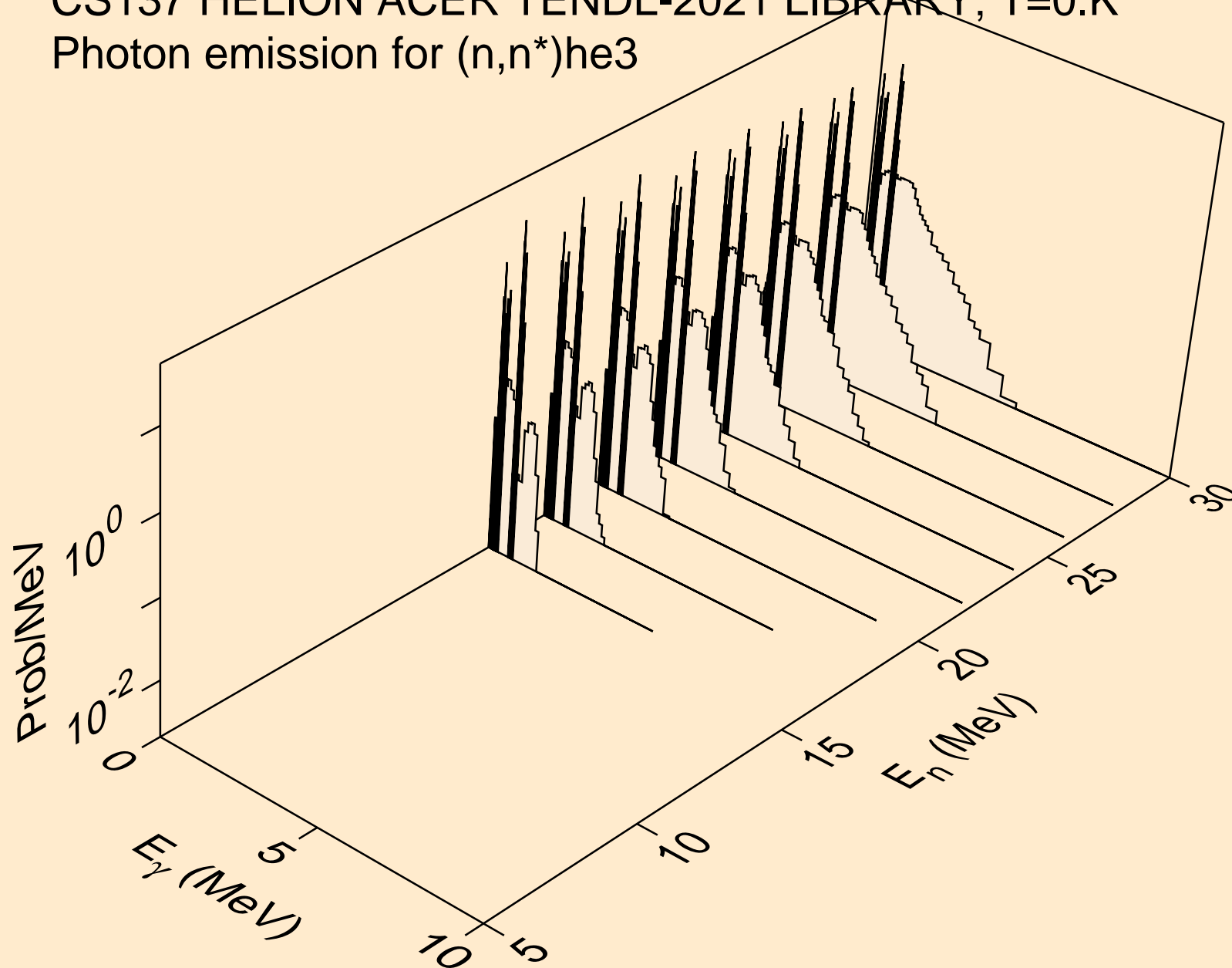
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,n\*)t

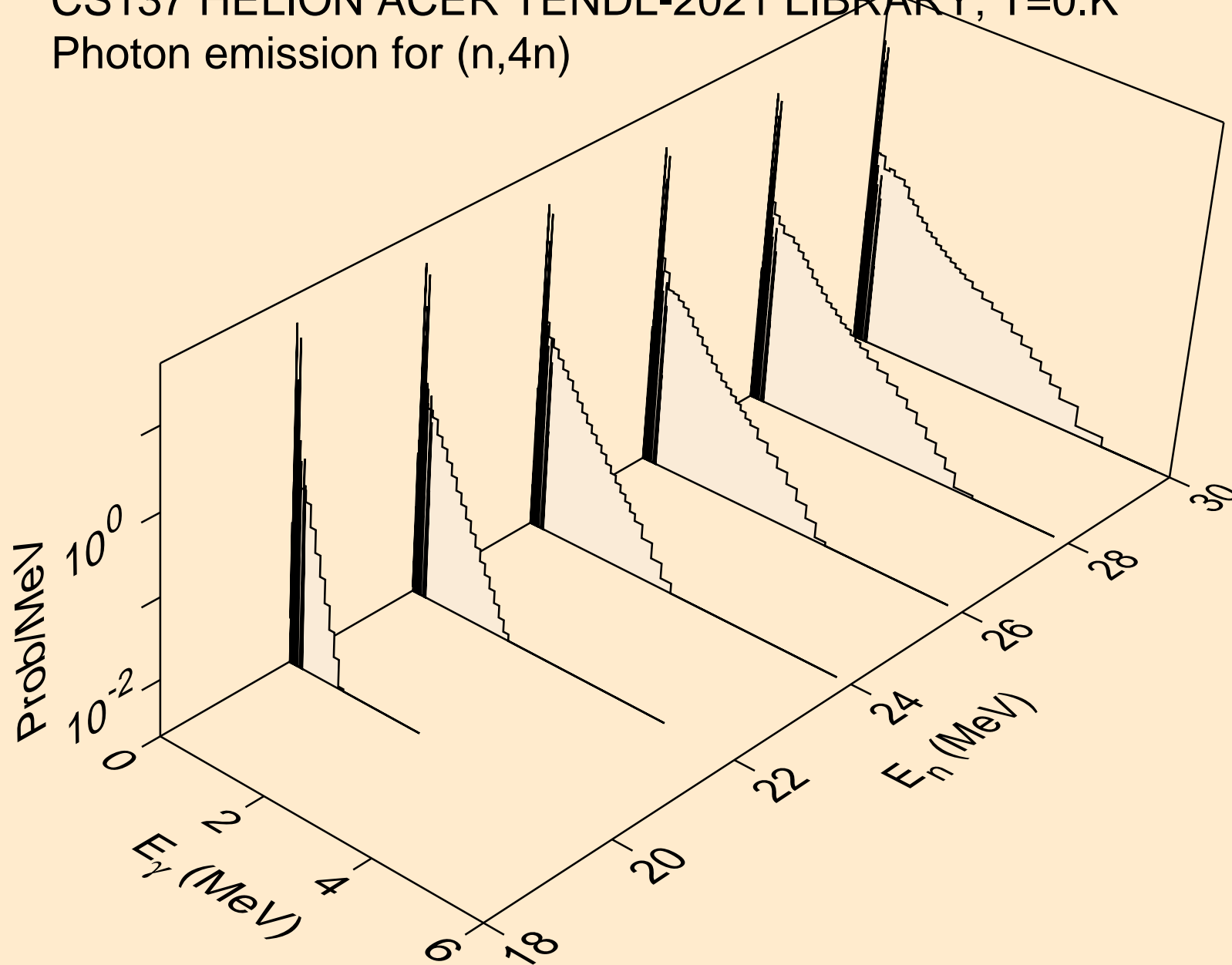


CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K

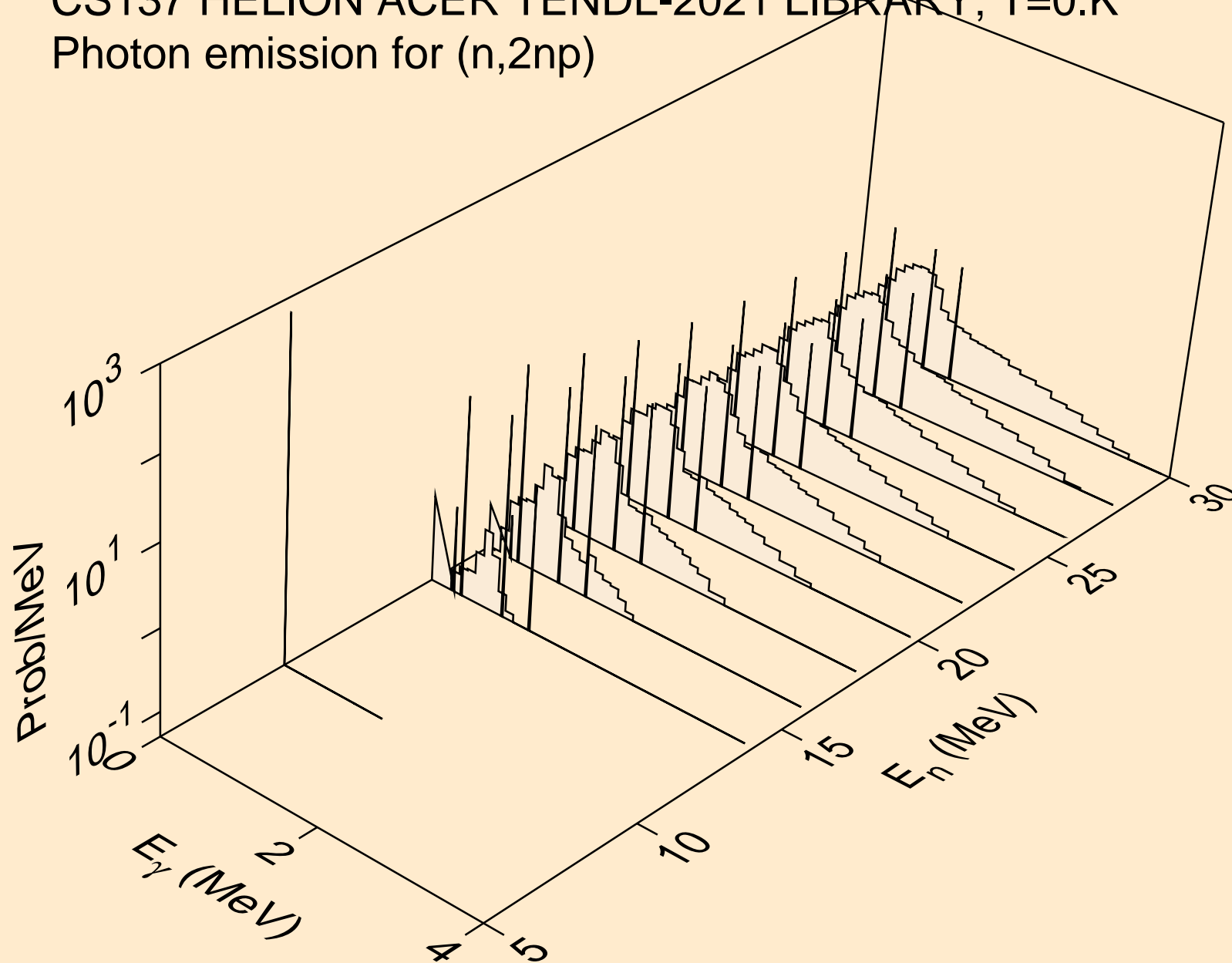
Photon emission for (n,n\*)he3



CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,4n)

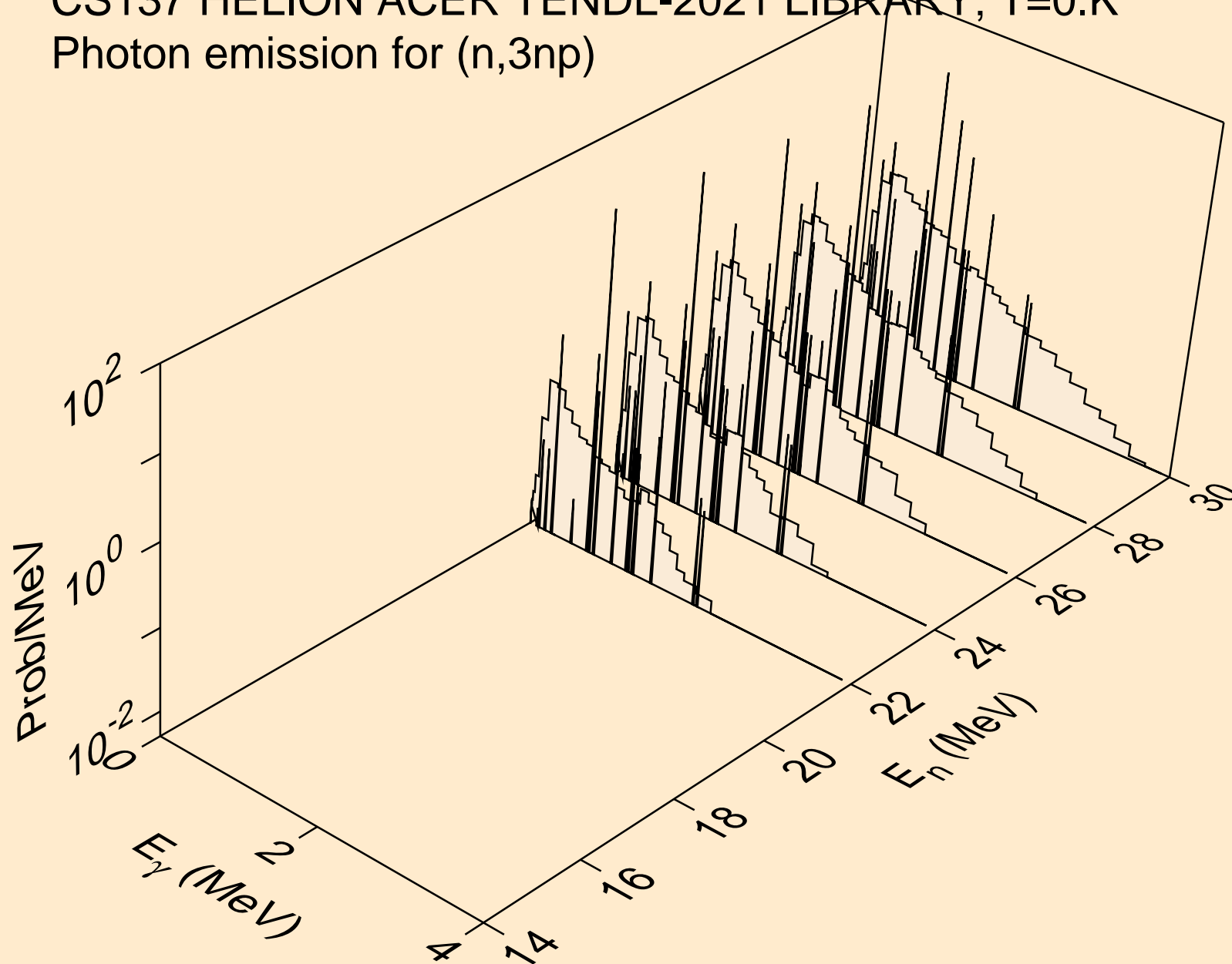


CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)

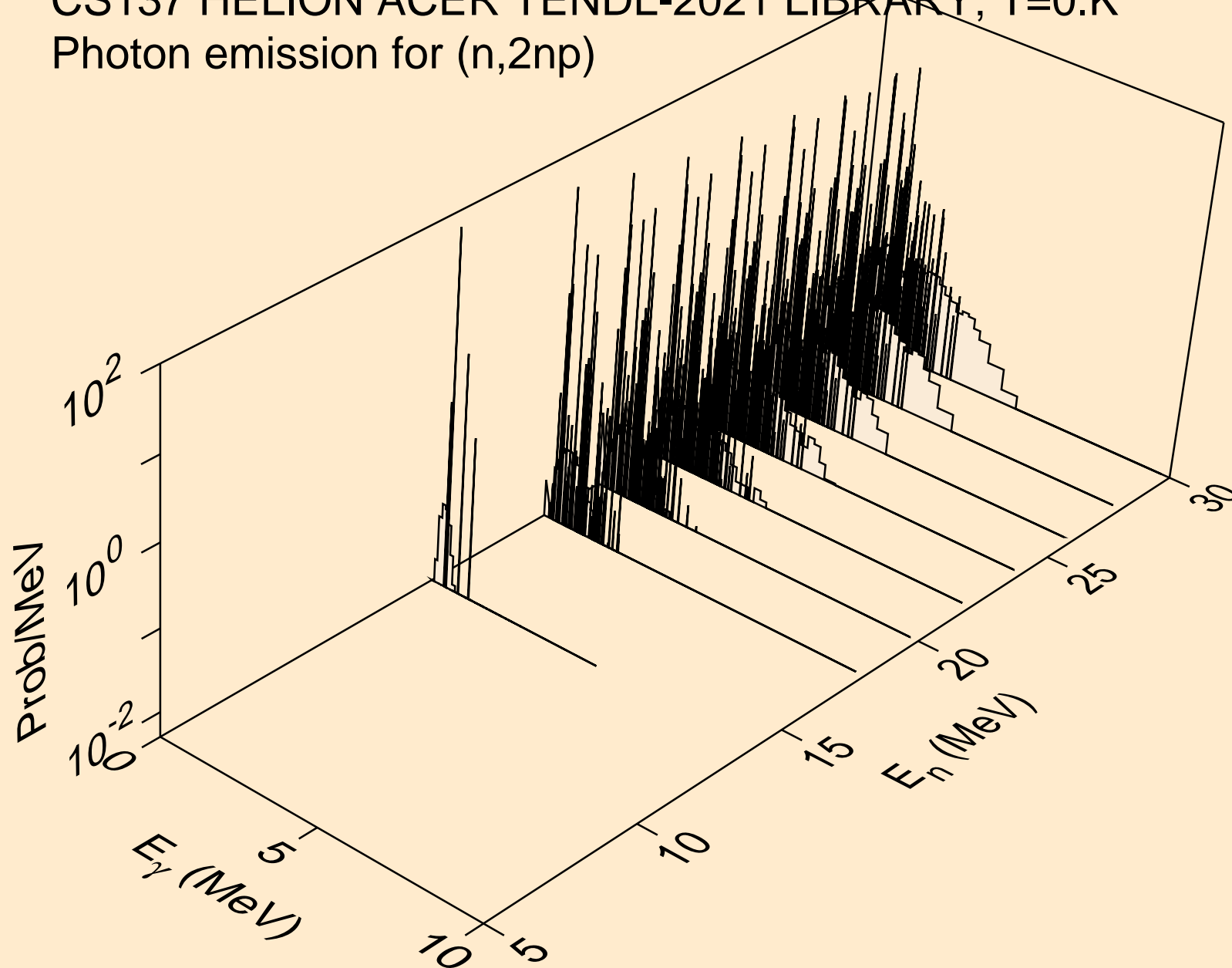




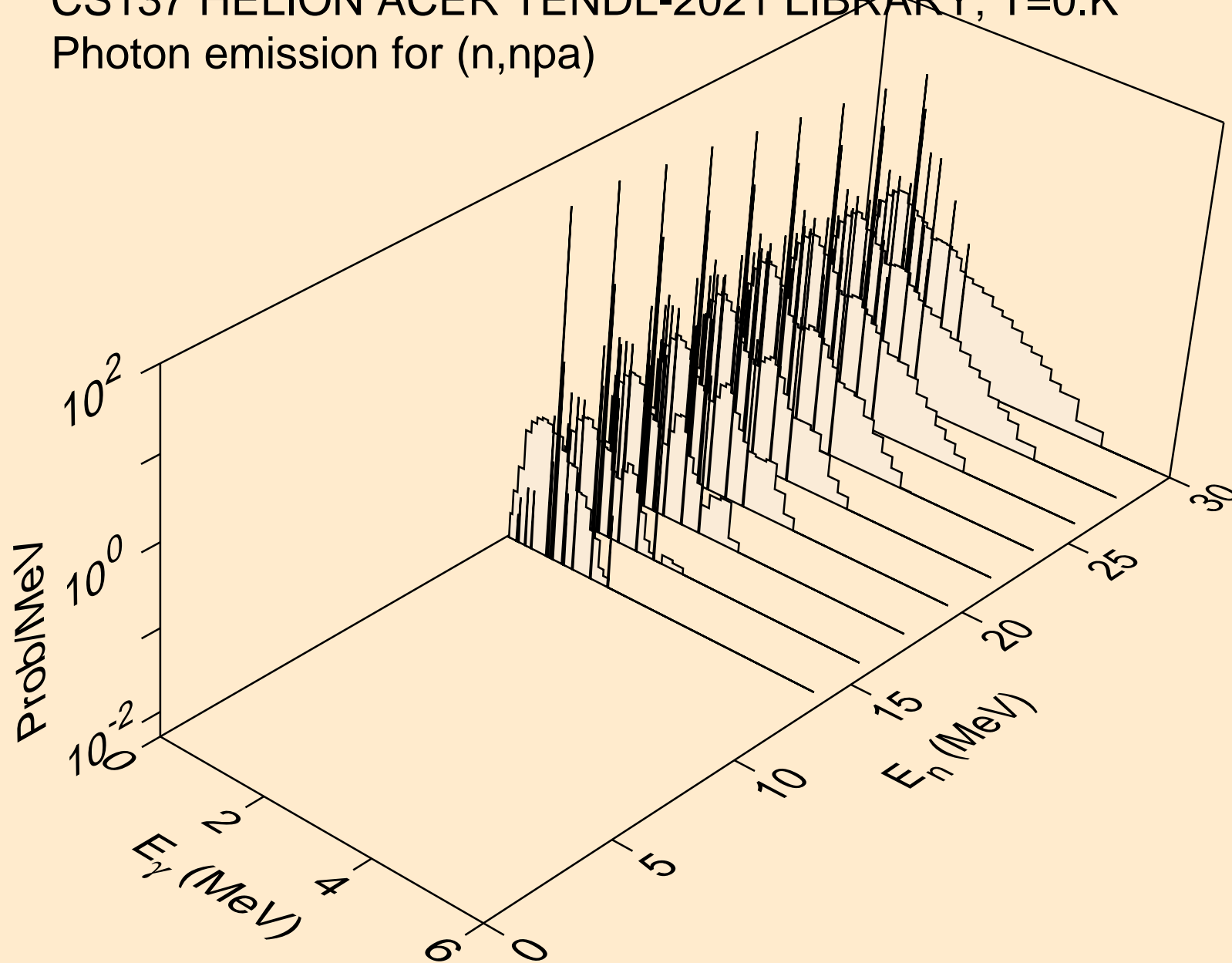
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3np)



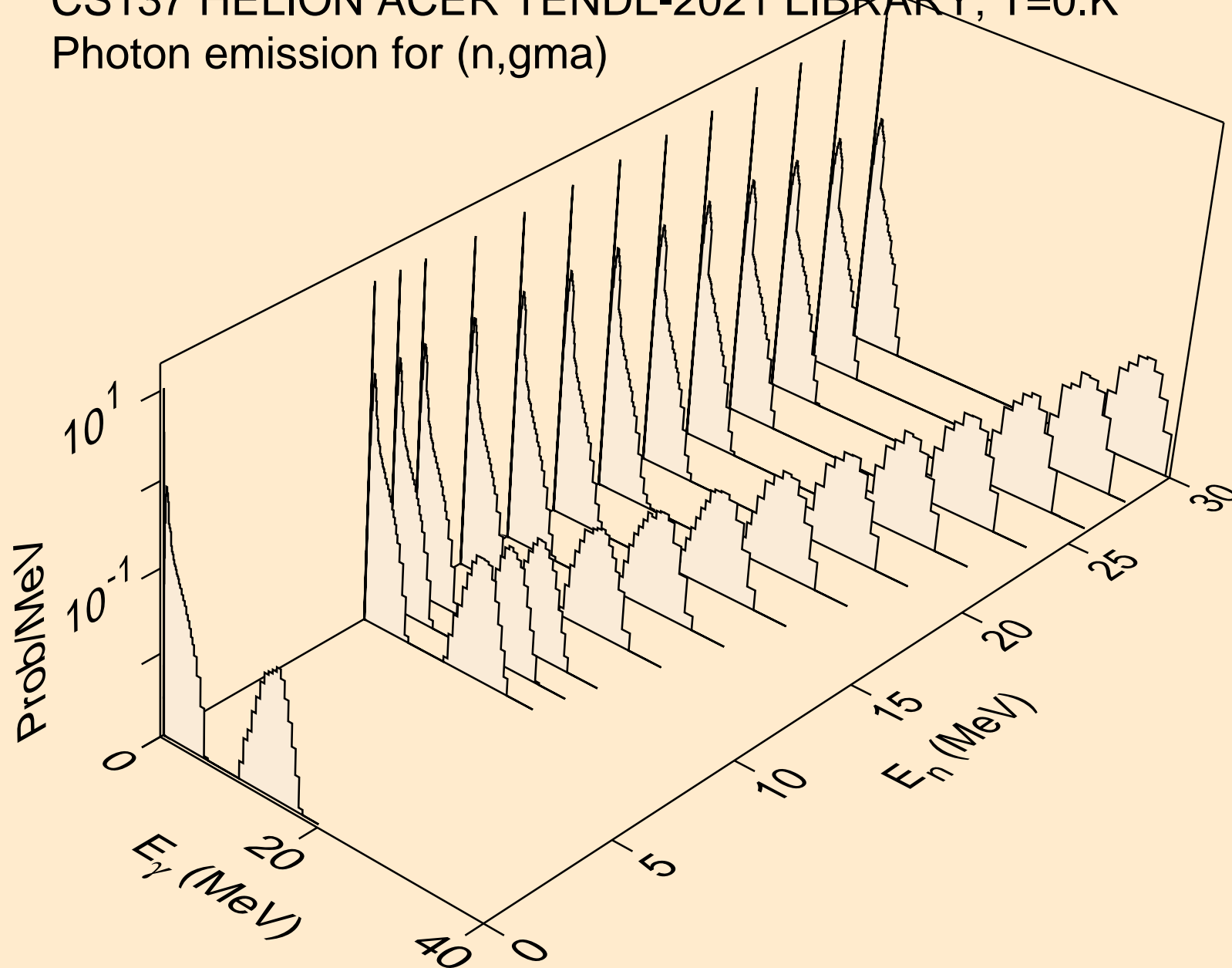
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



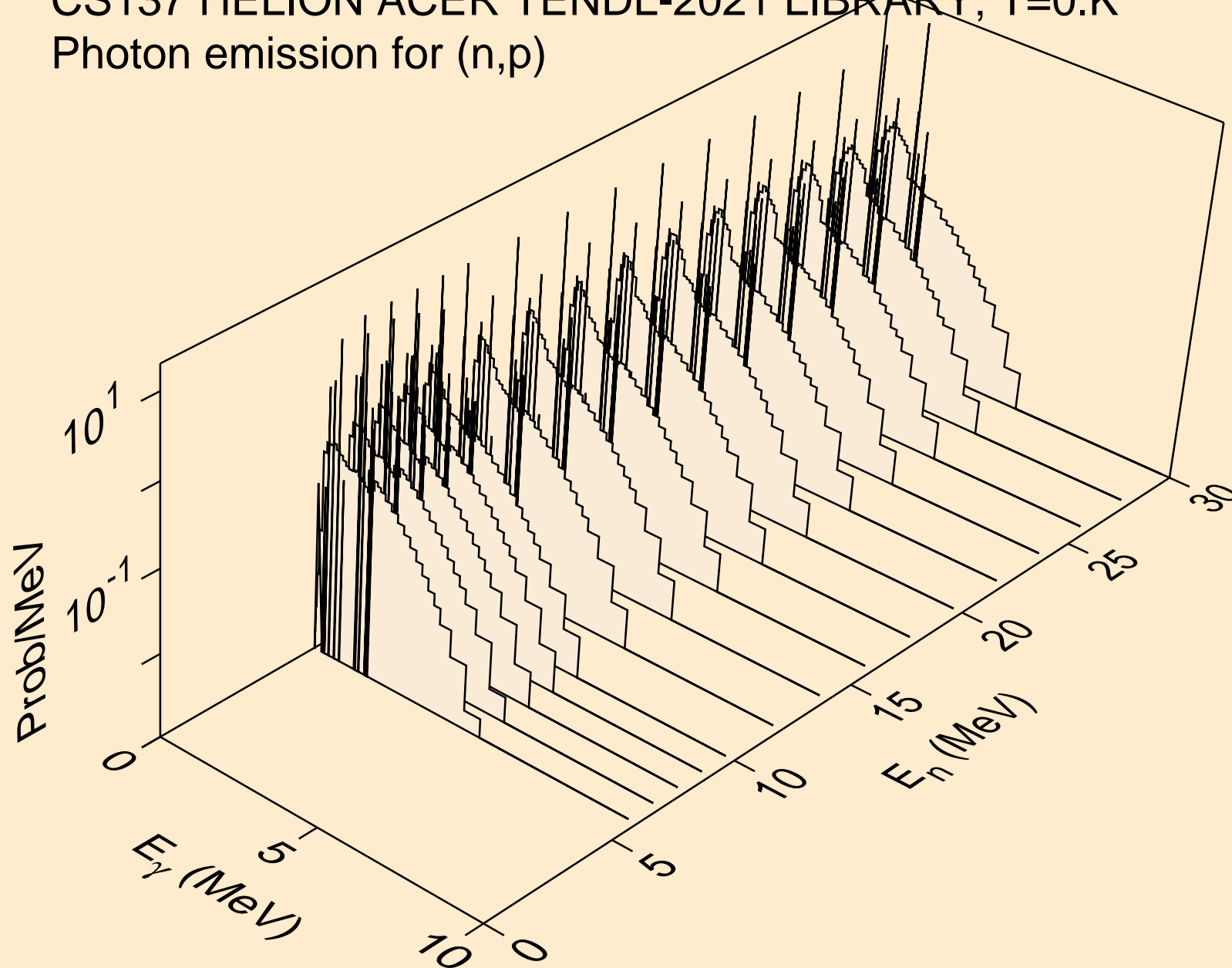
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,npa)



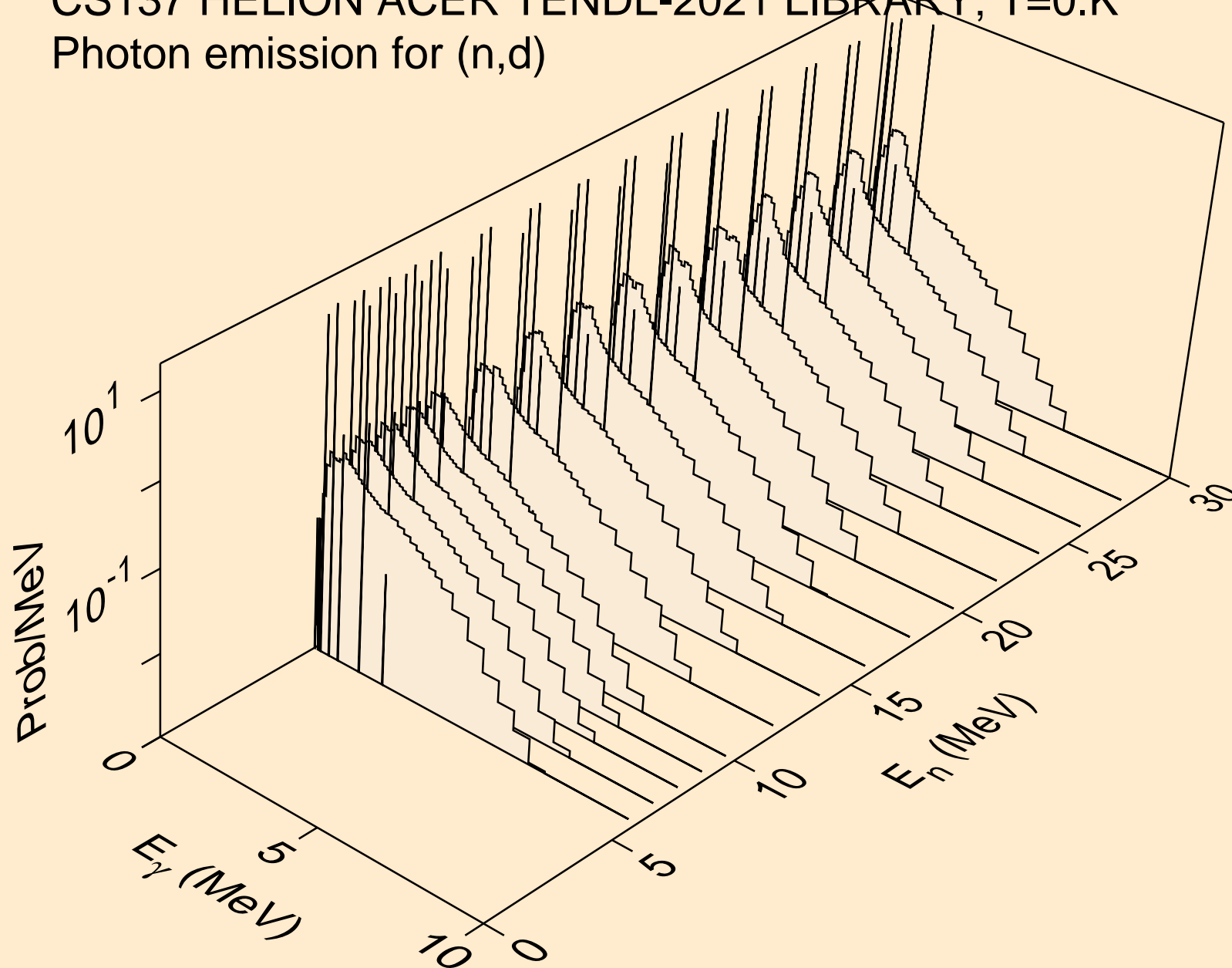
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,gma)



CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,p)

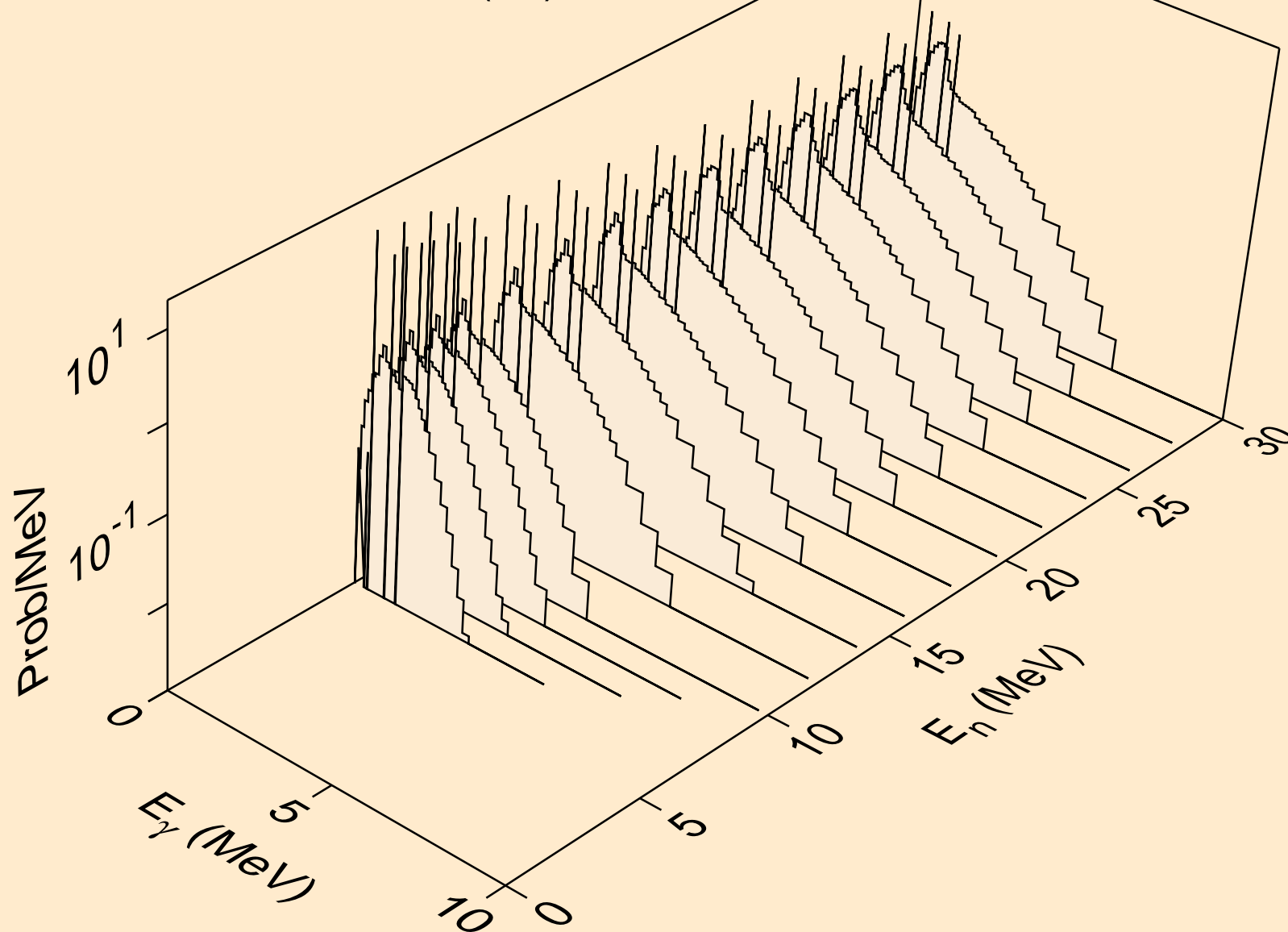


CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,d)

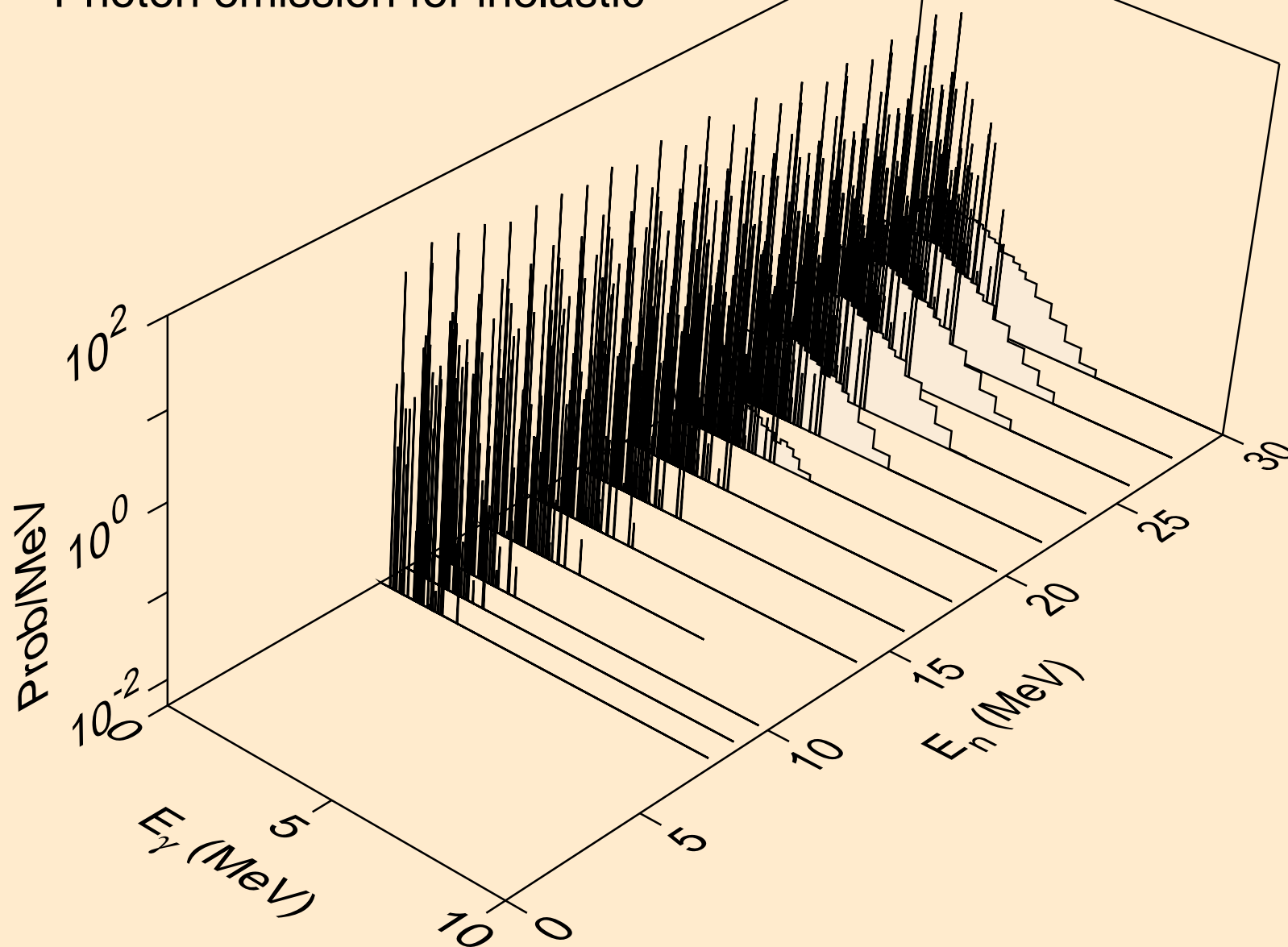


CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,t)

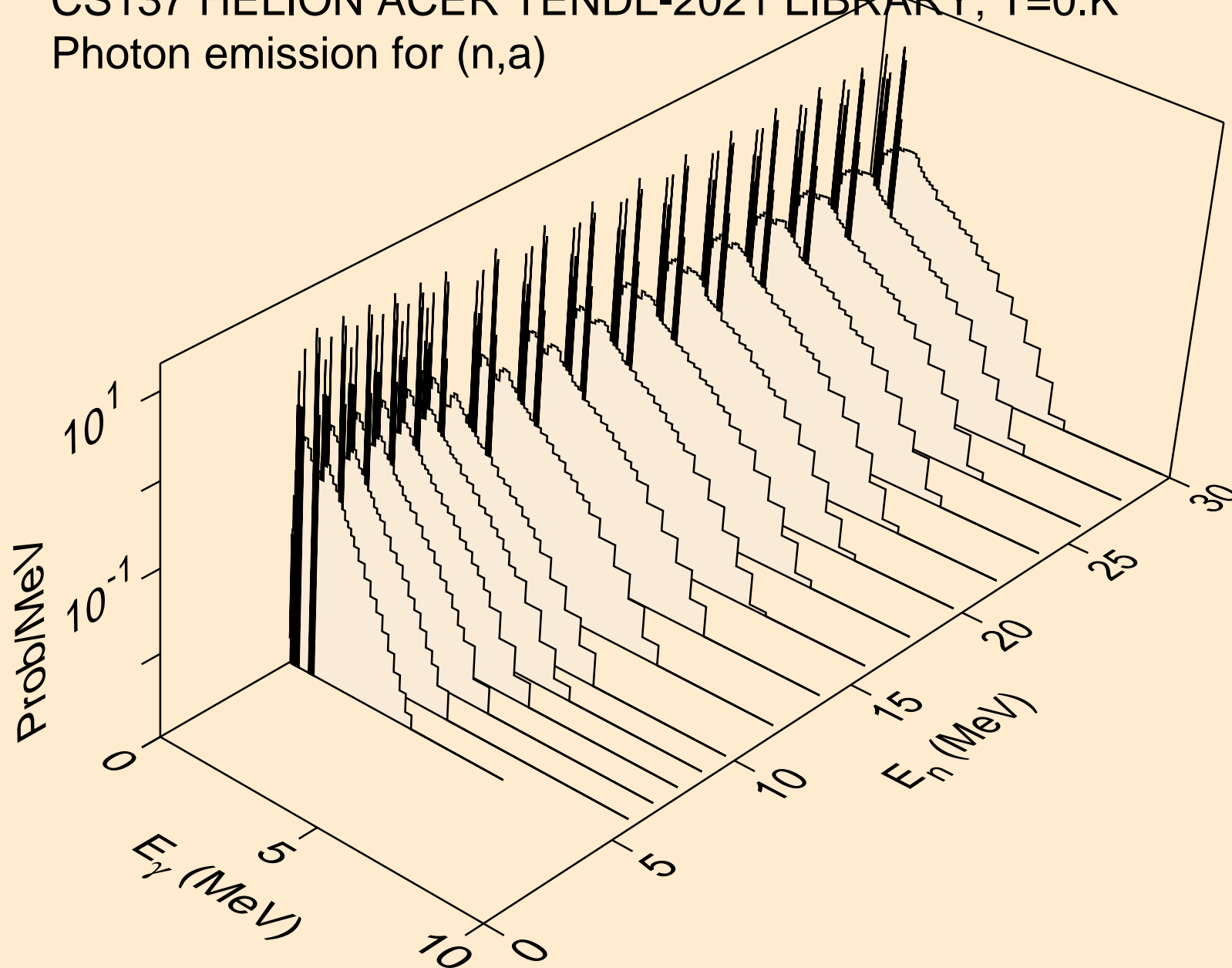


CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic



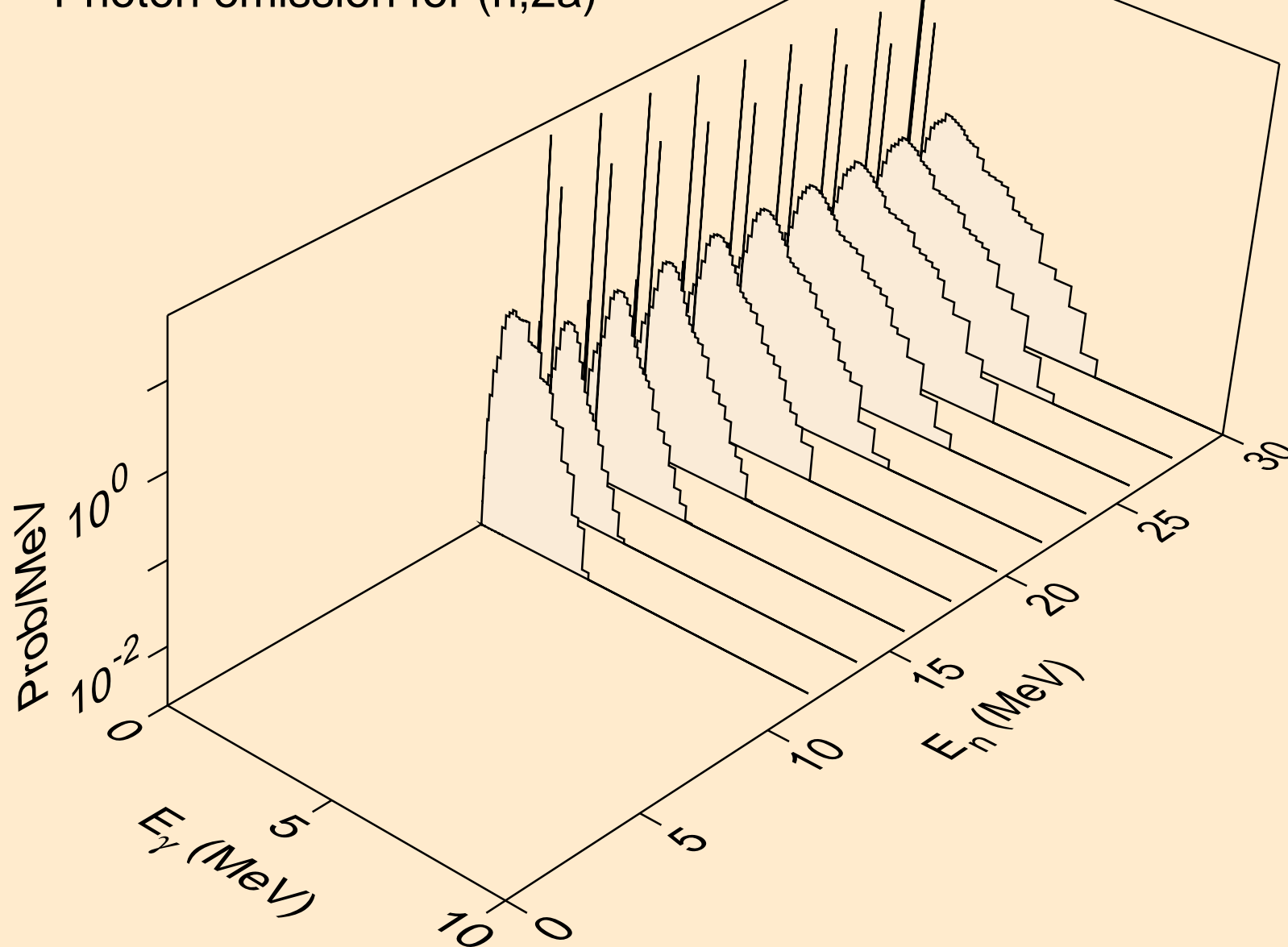


CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,a)

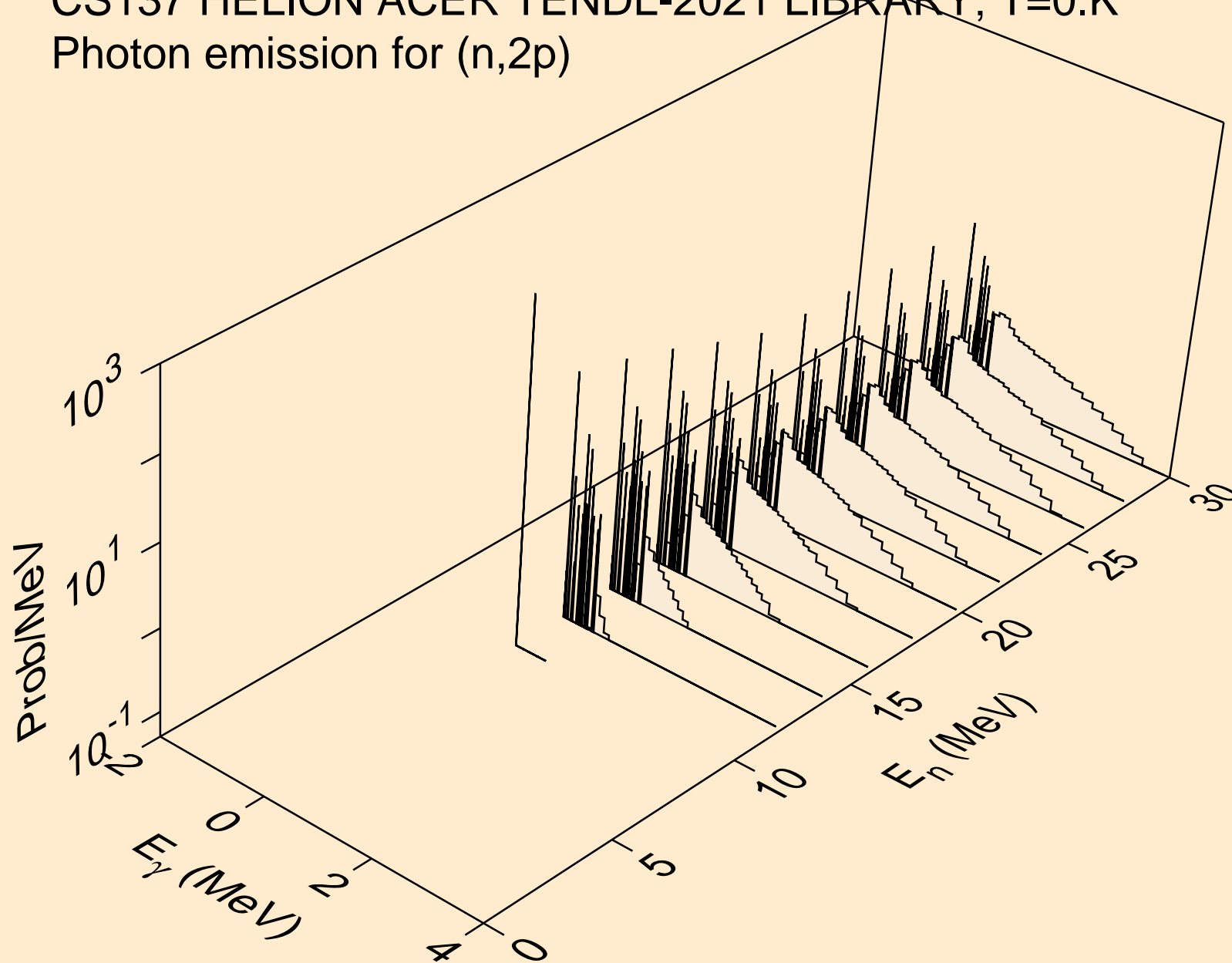


CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,2a)

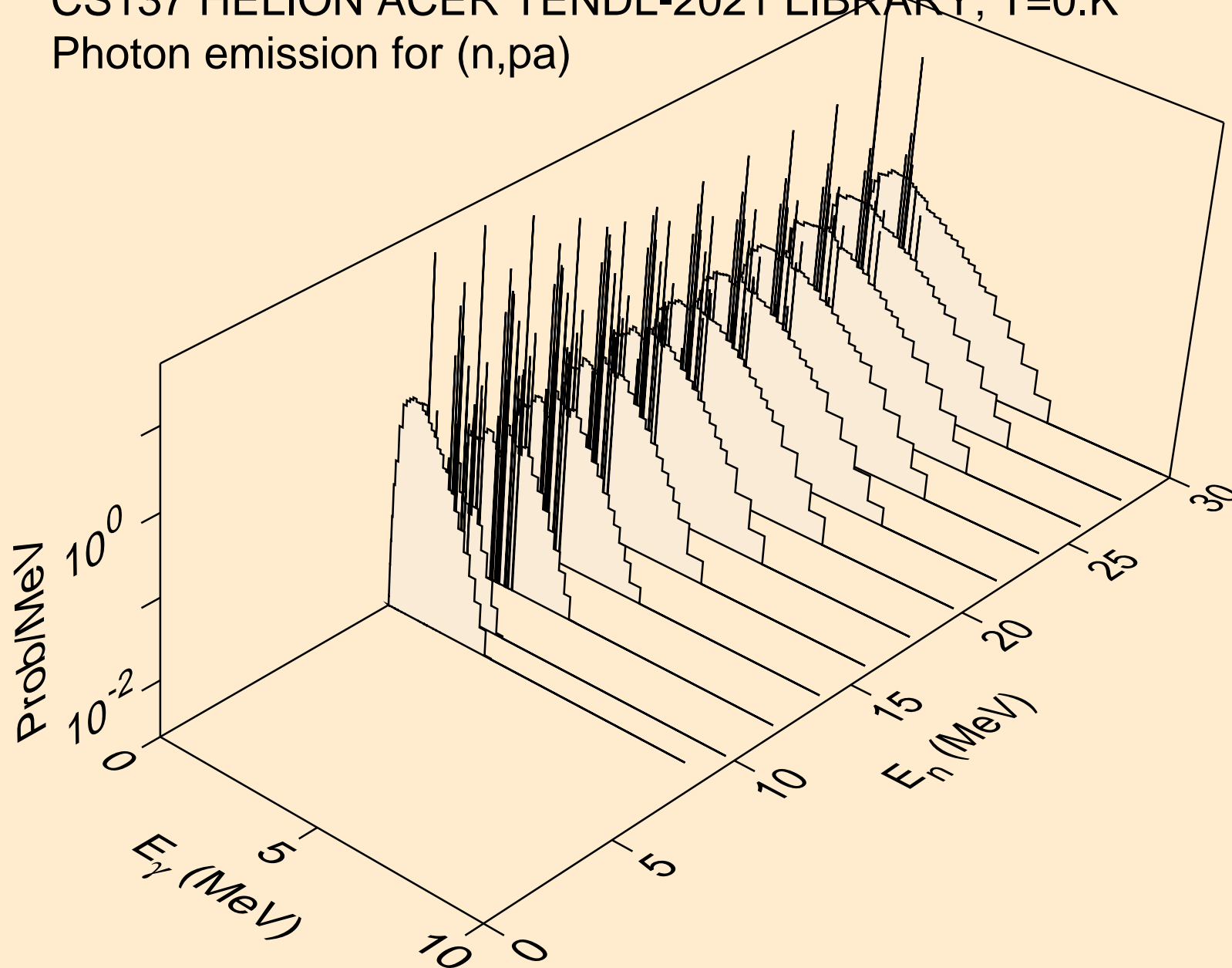


CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)

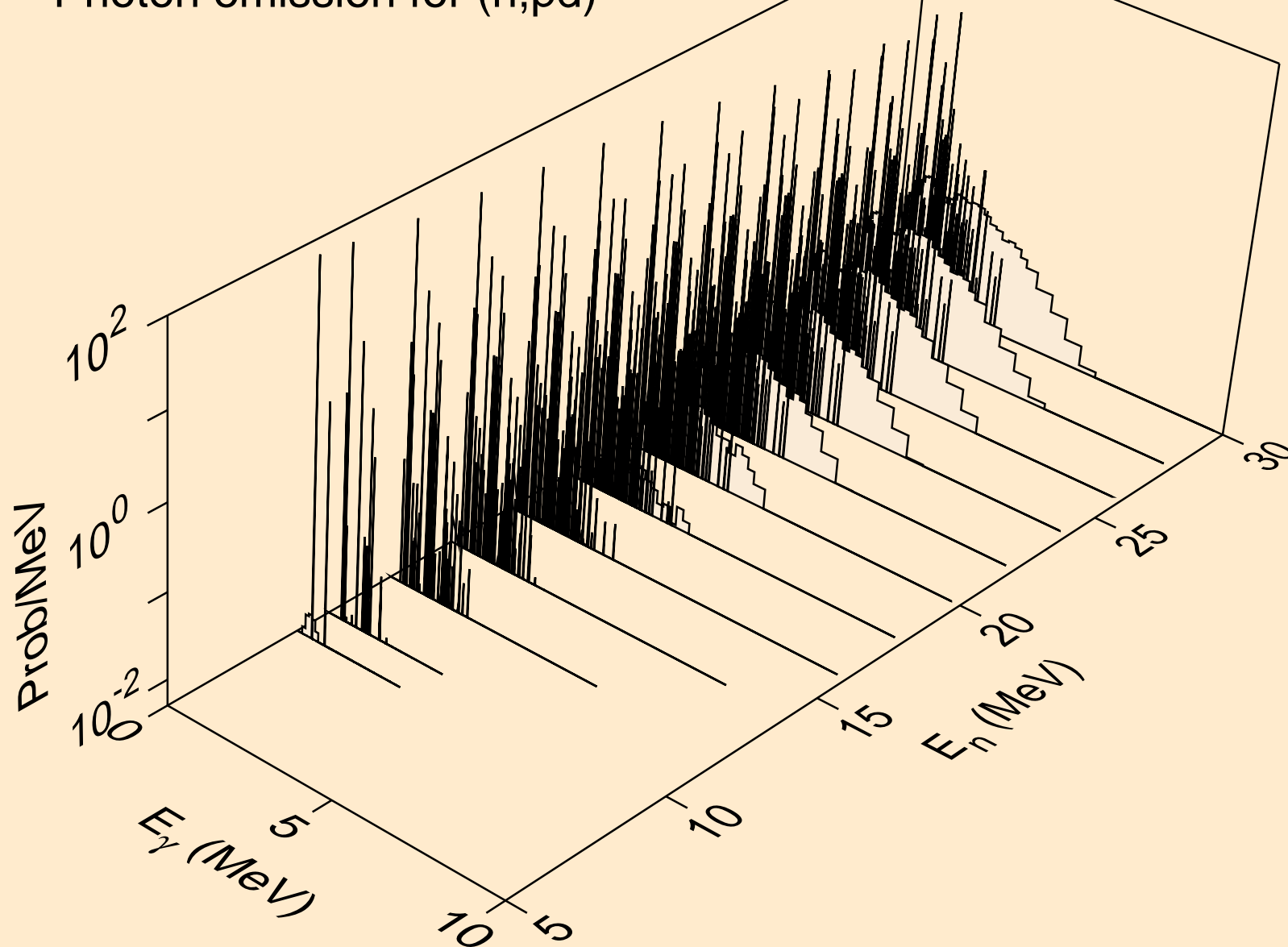


CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K

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

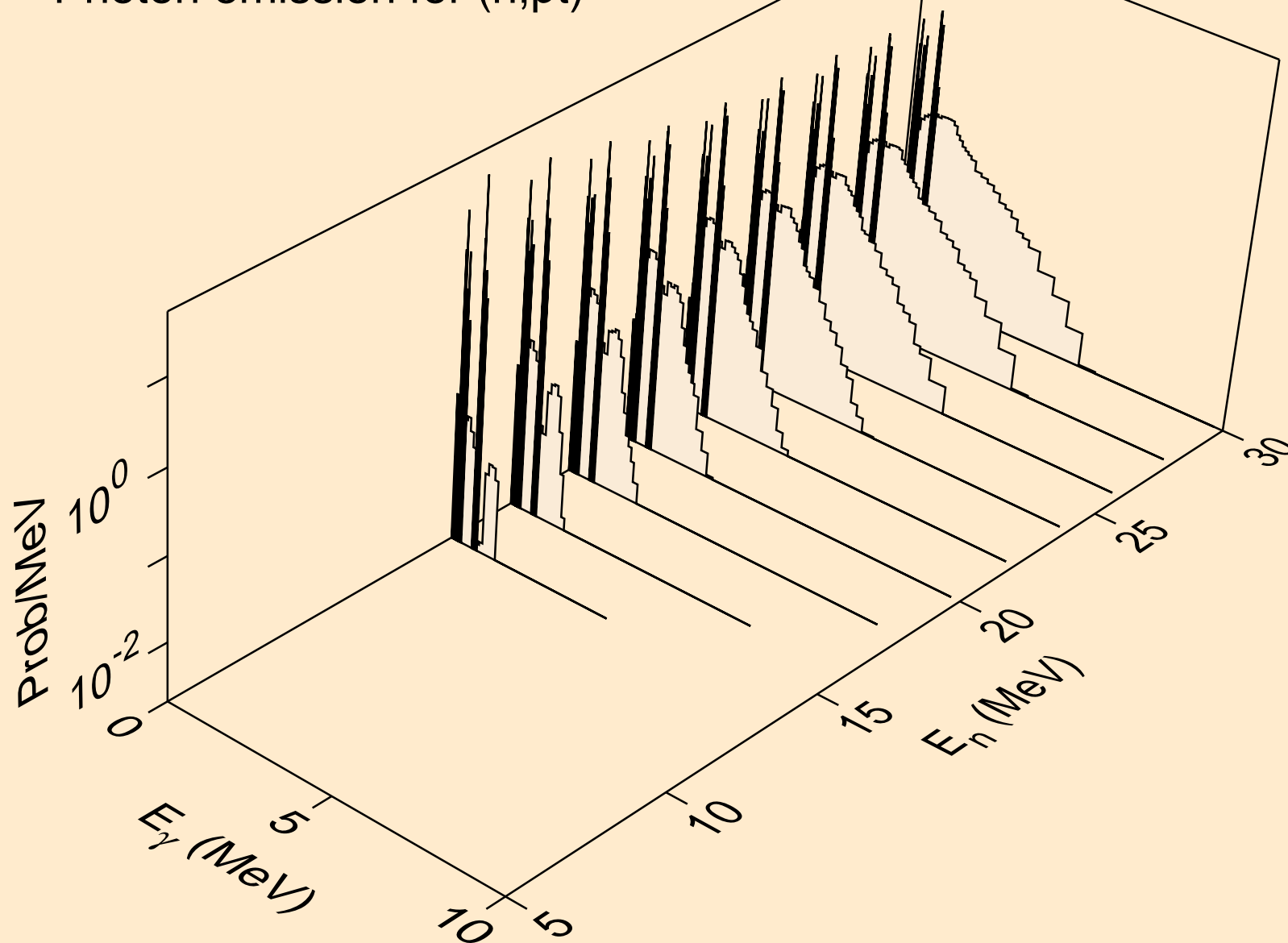


CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pd)

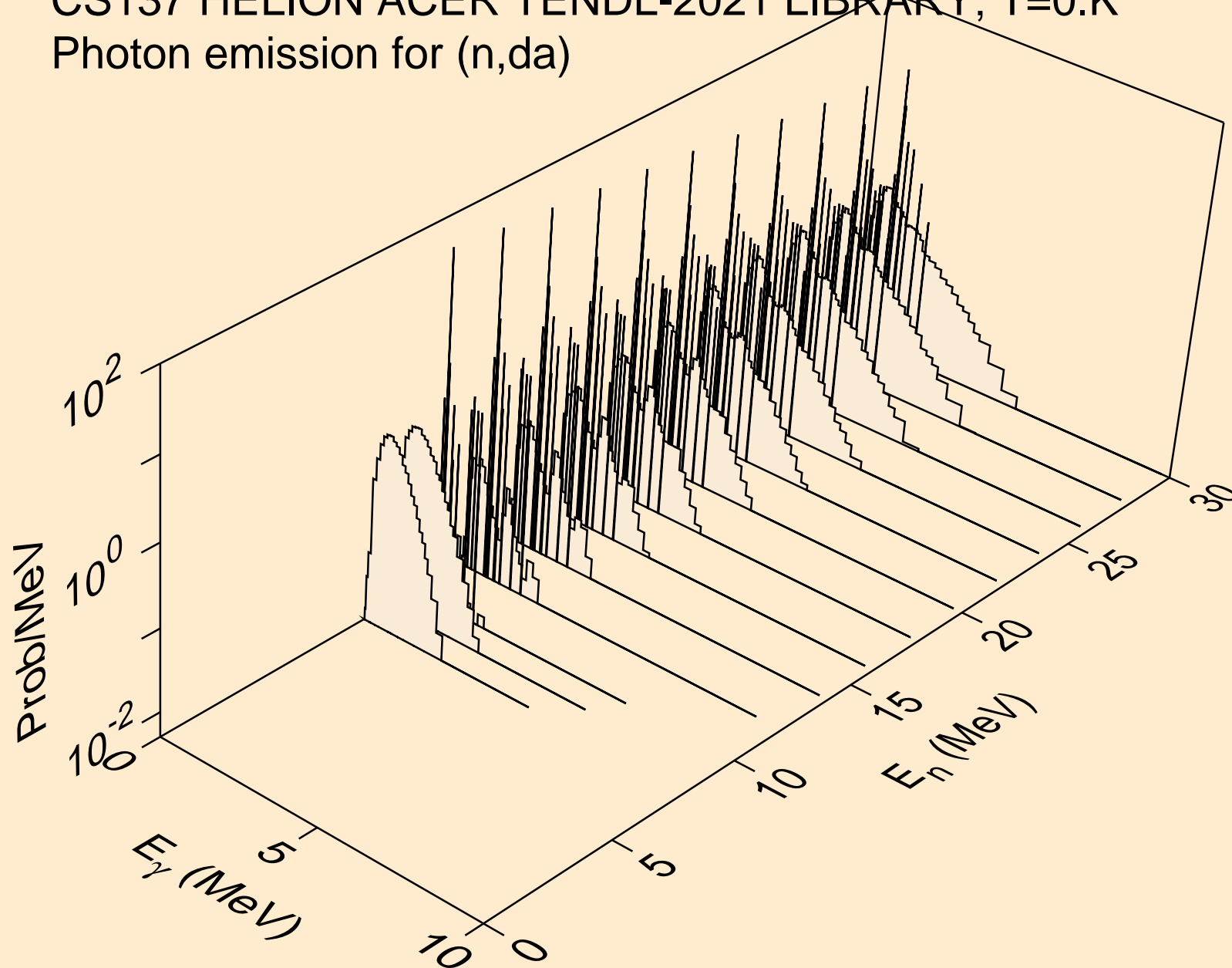


CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,pt)

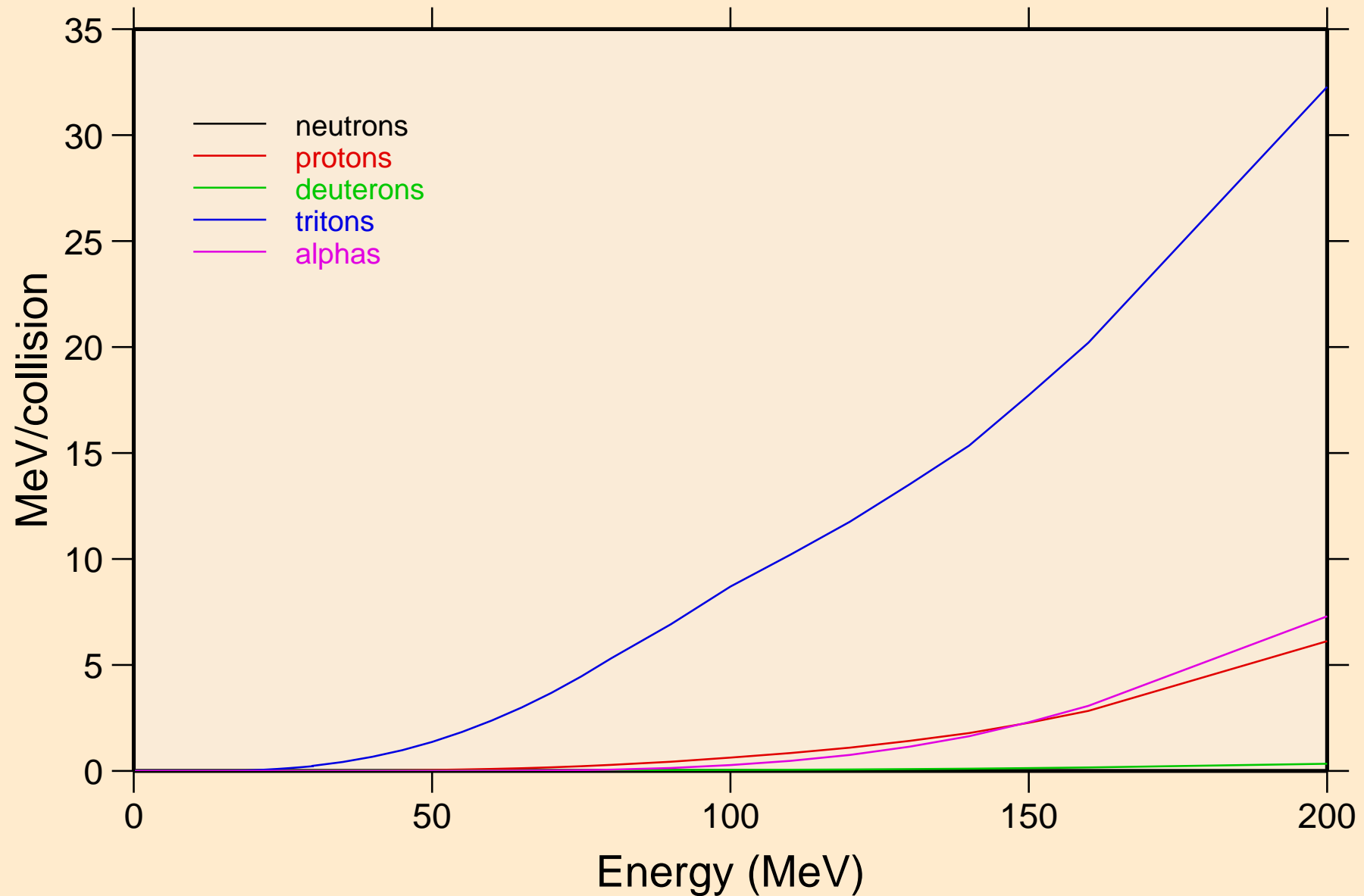


CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,da)



# CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K

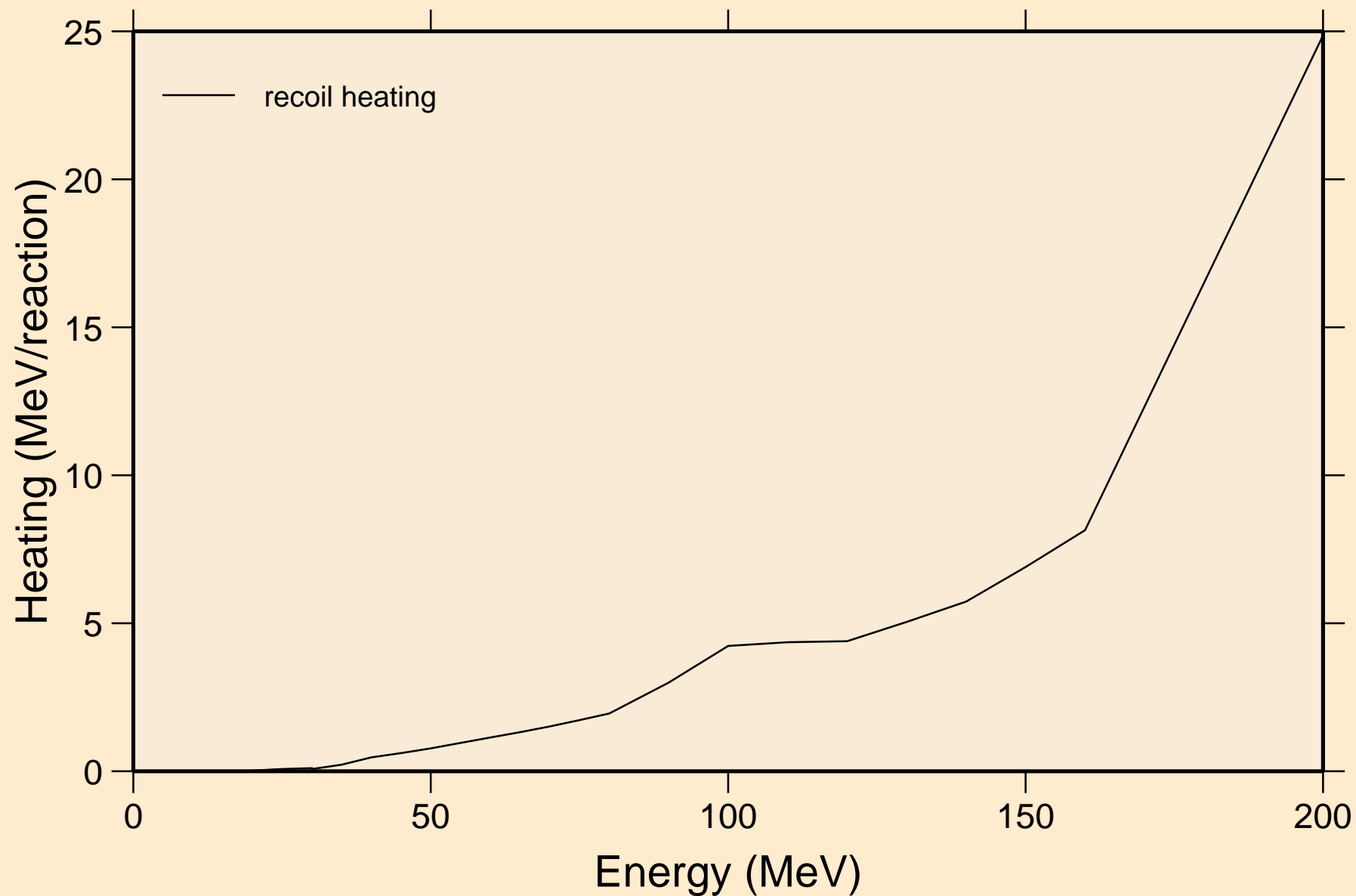
## Particle heating contributions





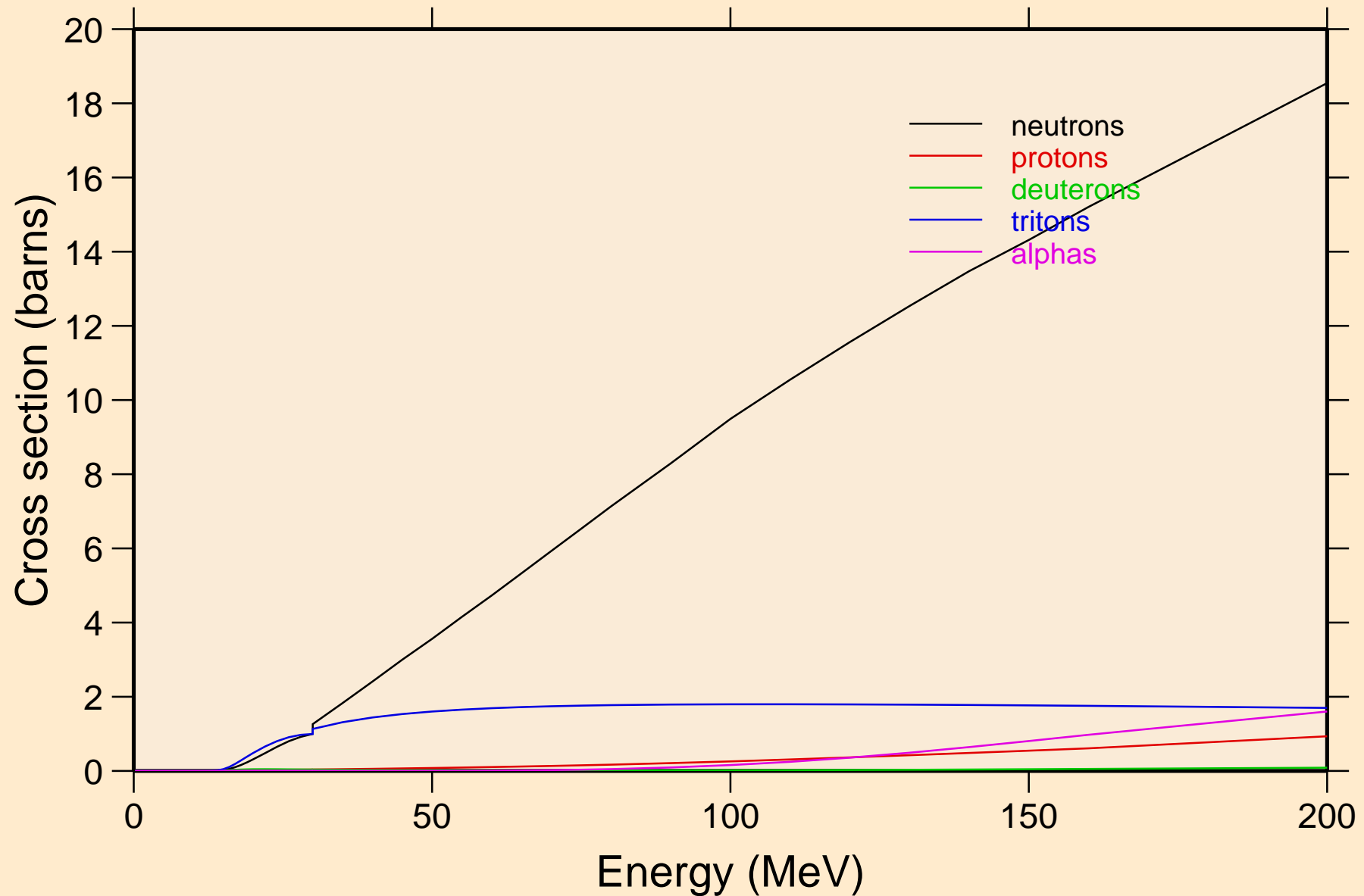
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K

Recoil Heating

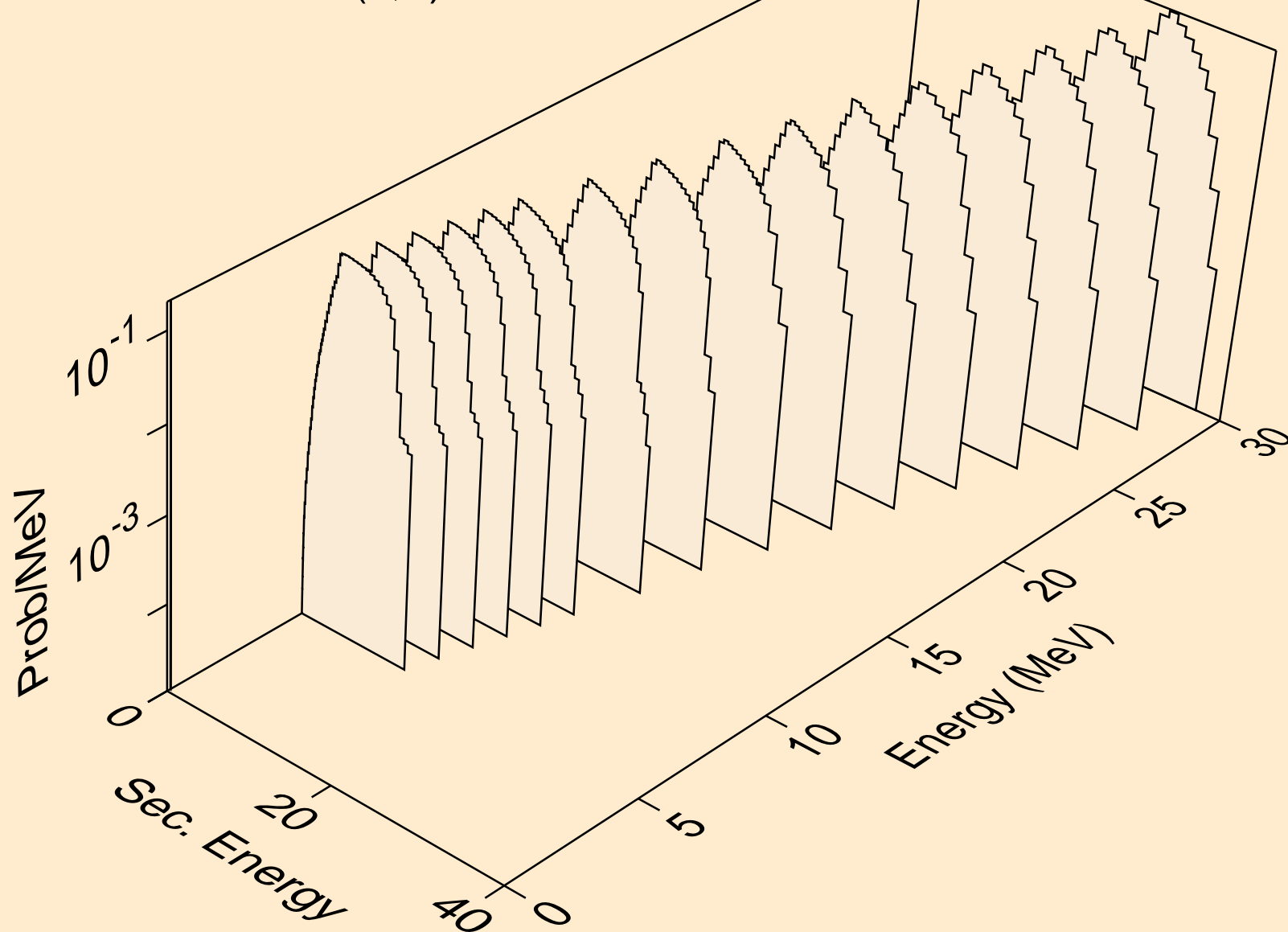


# CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K

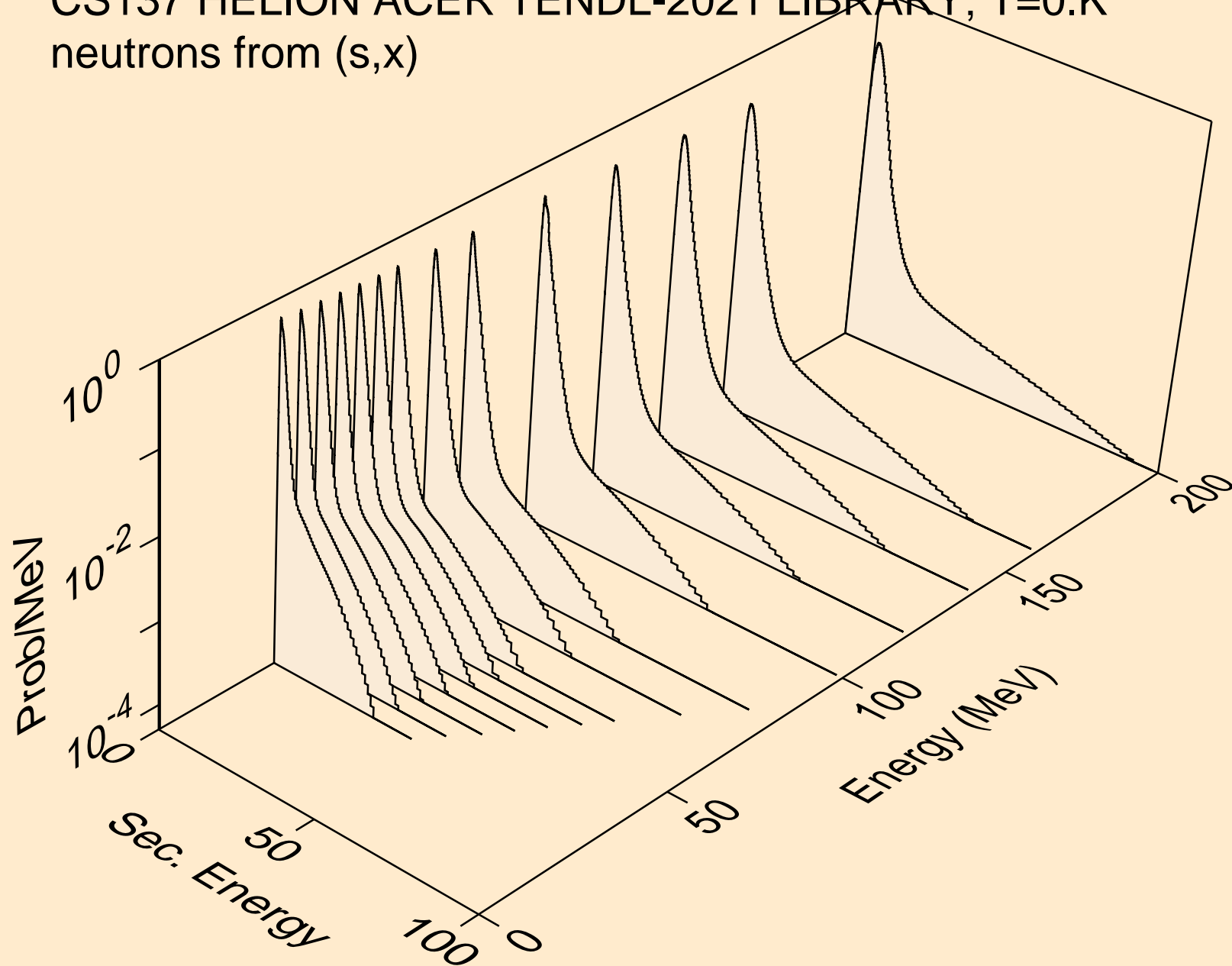
## Particle production cross sections



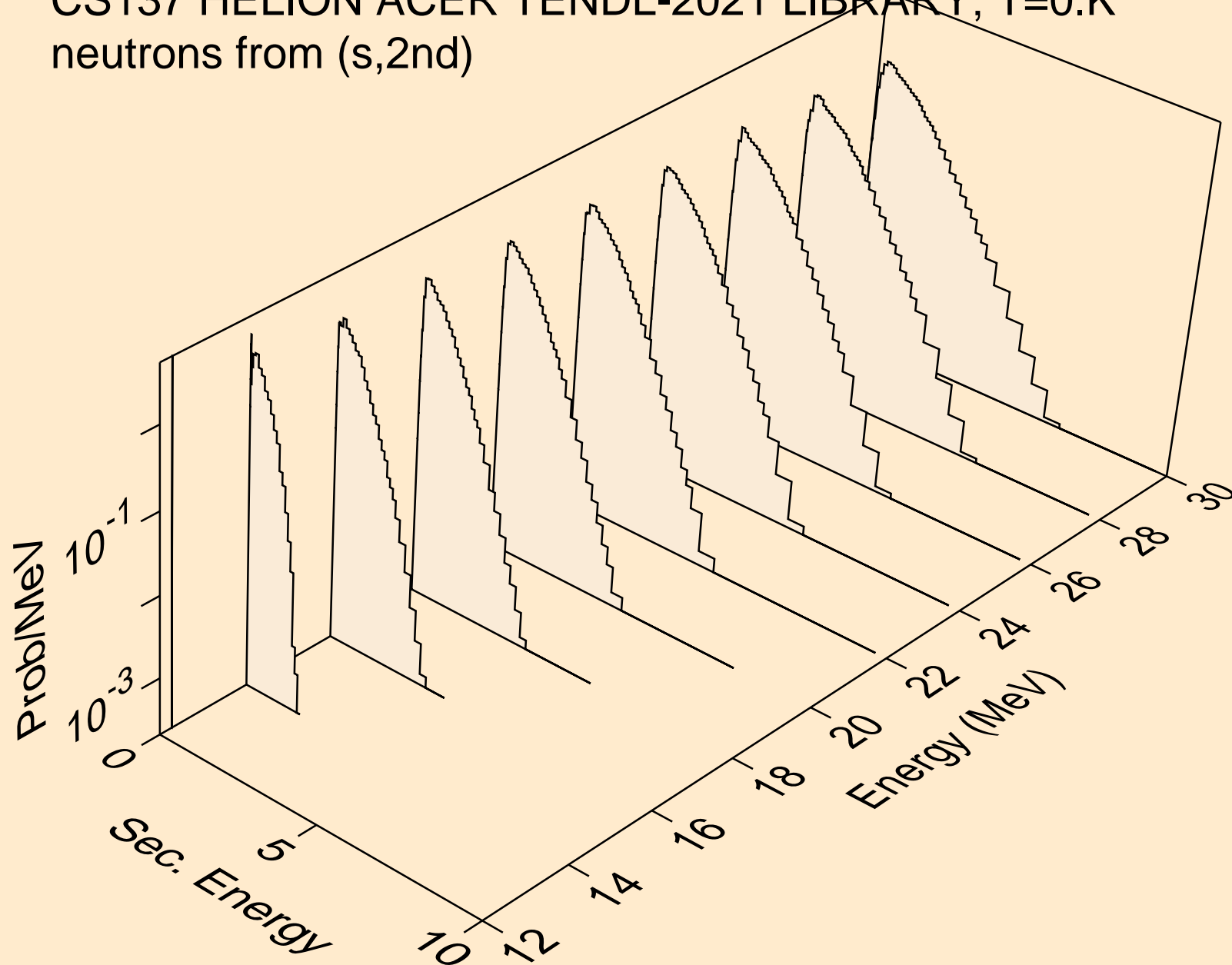
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n)



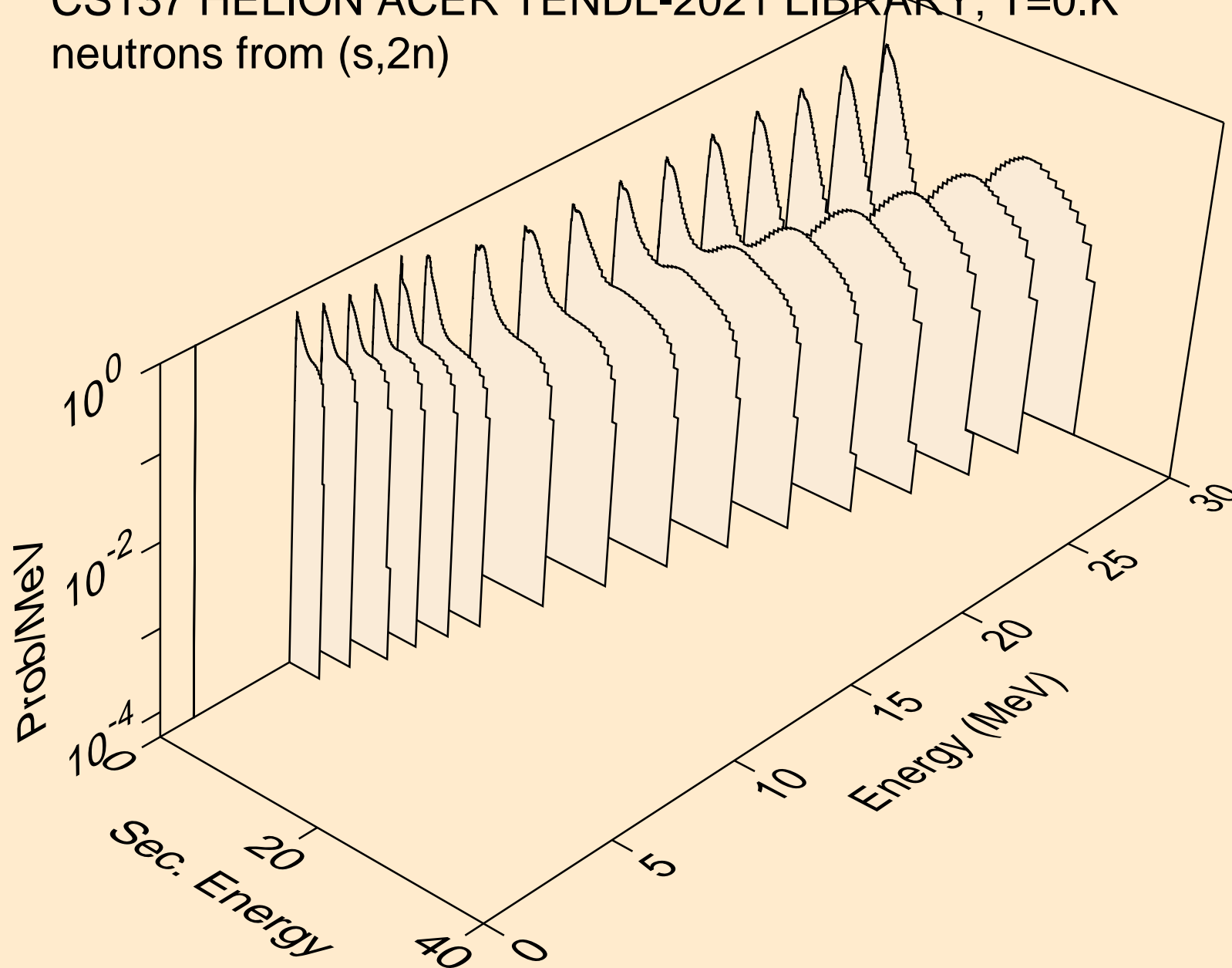
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,x)



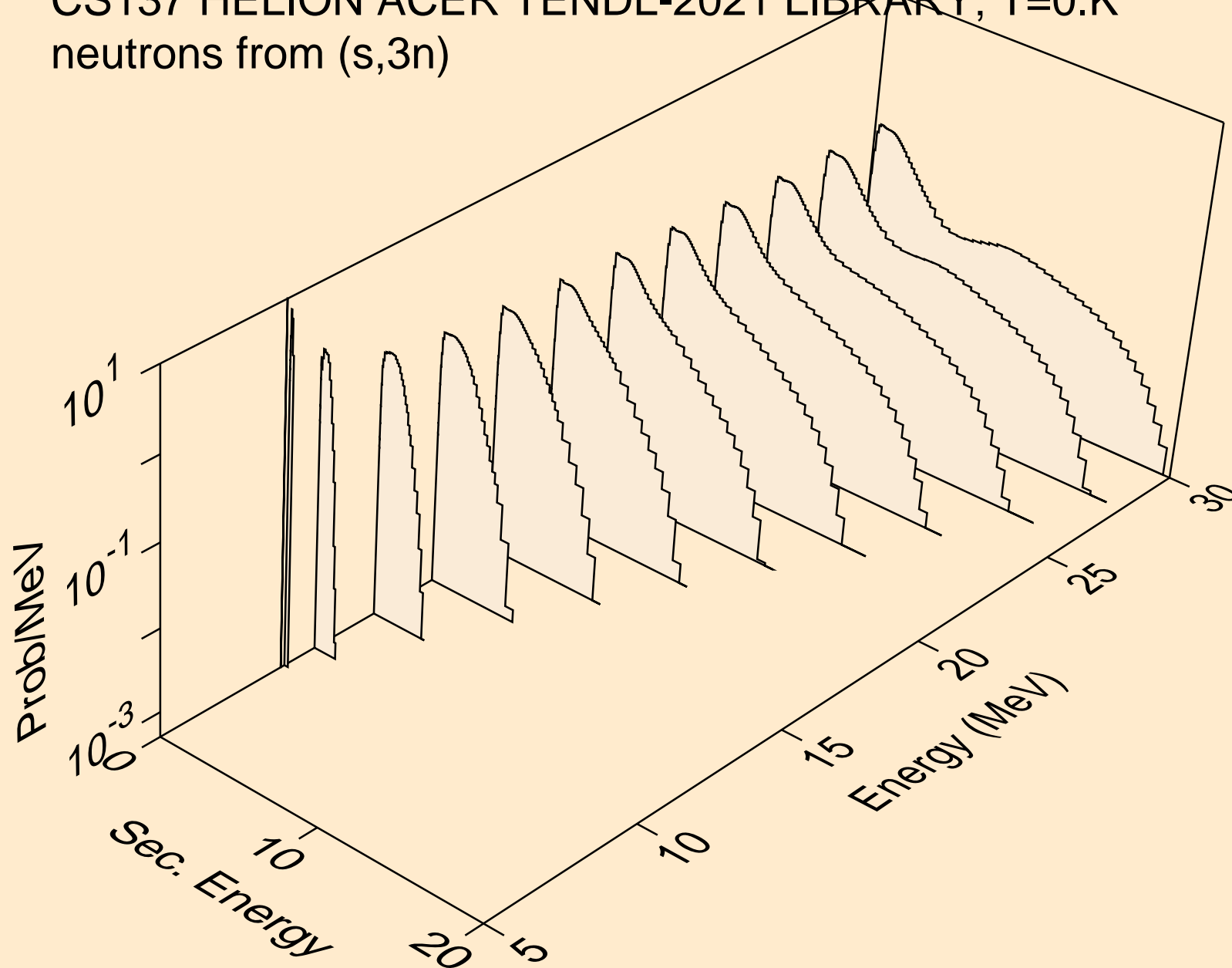
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2nd)



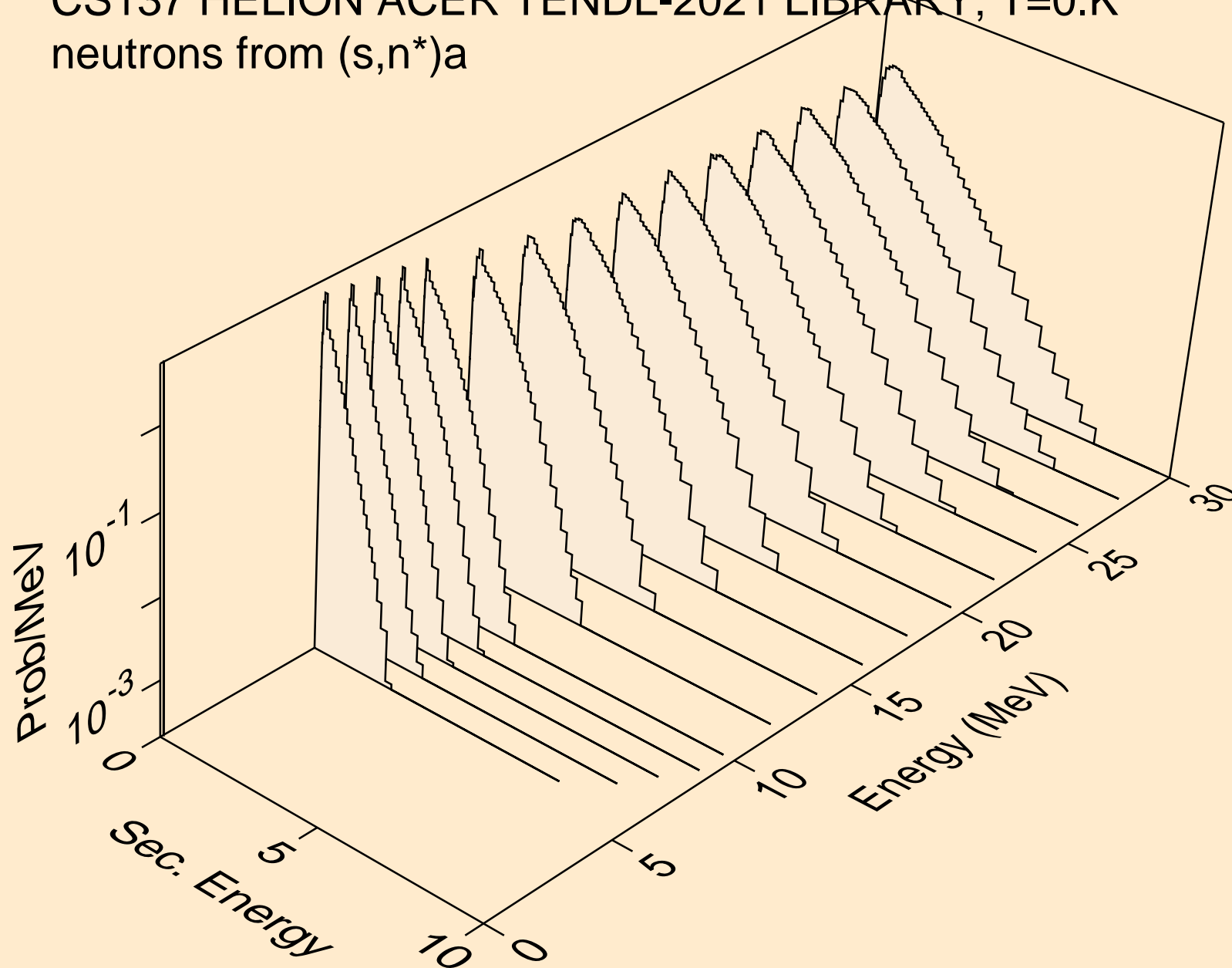
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2n)



CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,3n)

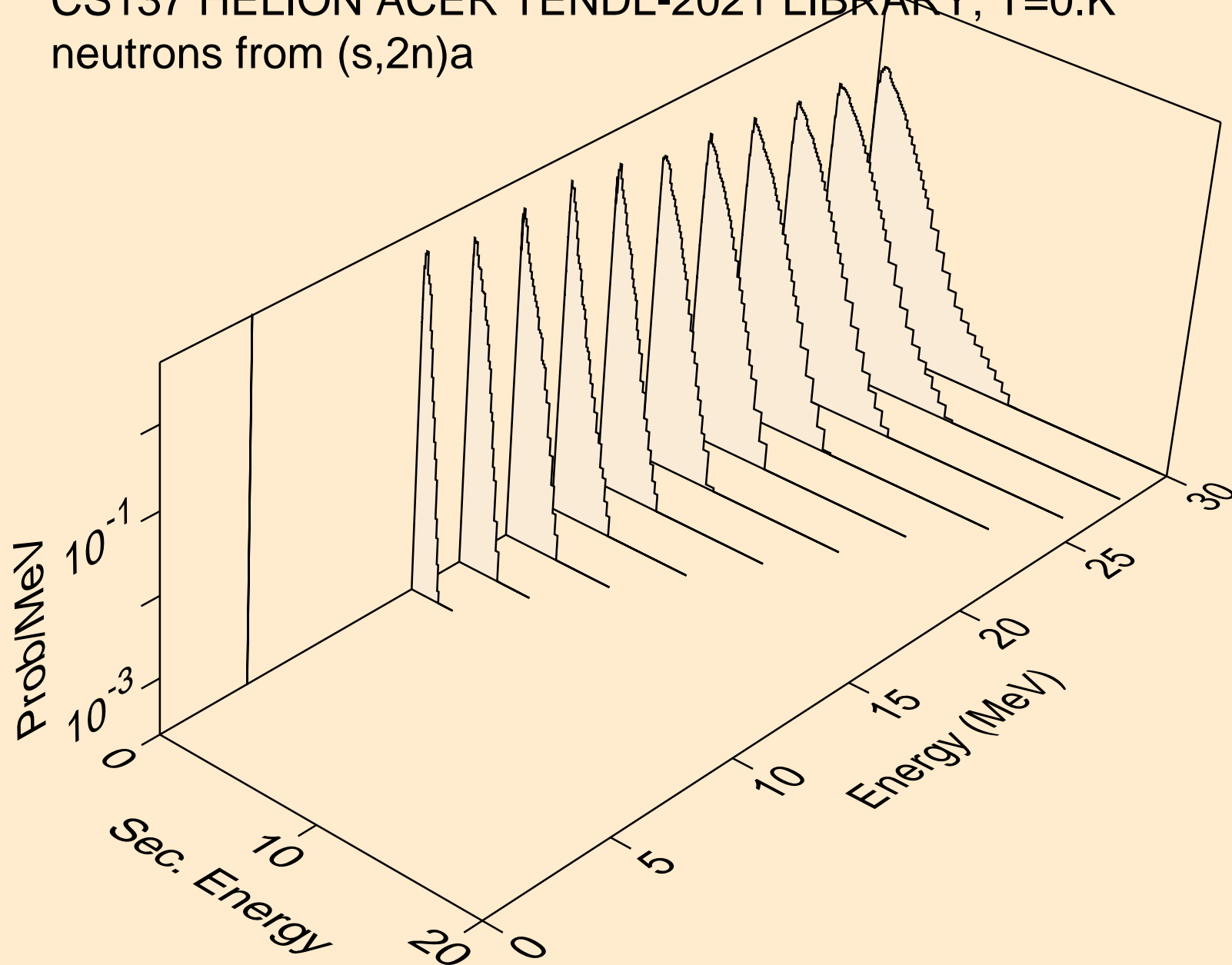


CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)a

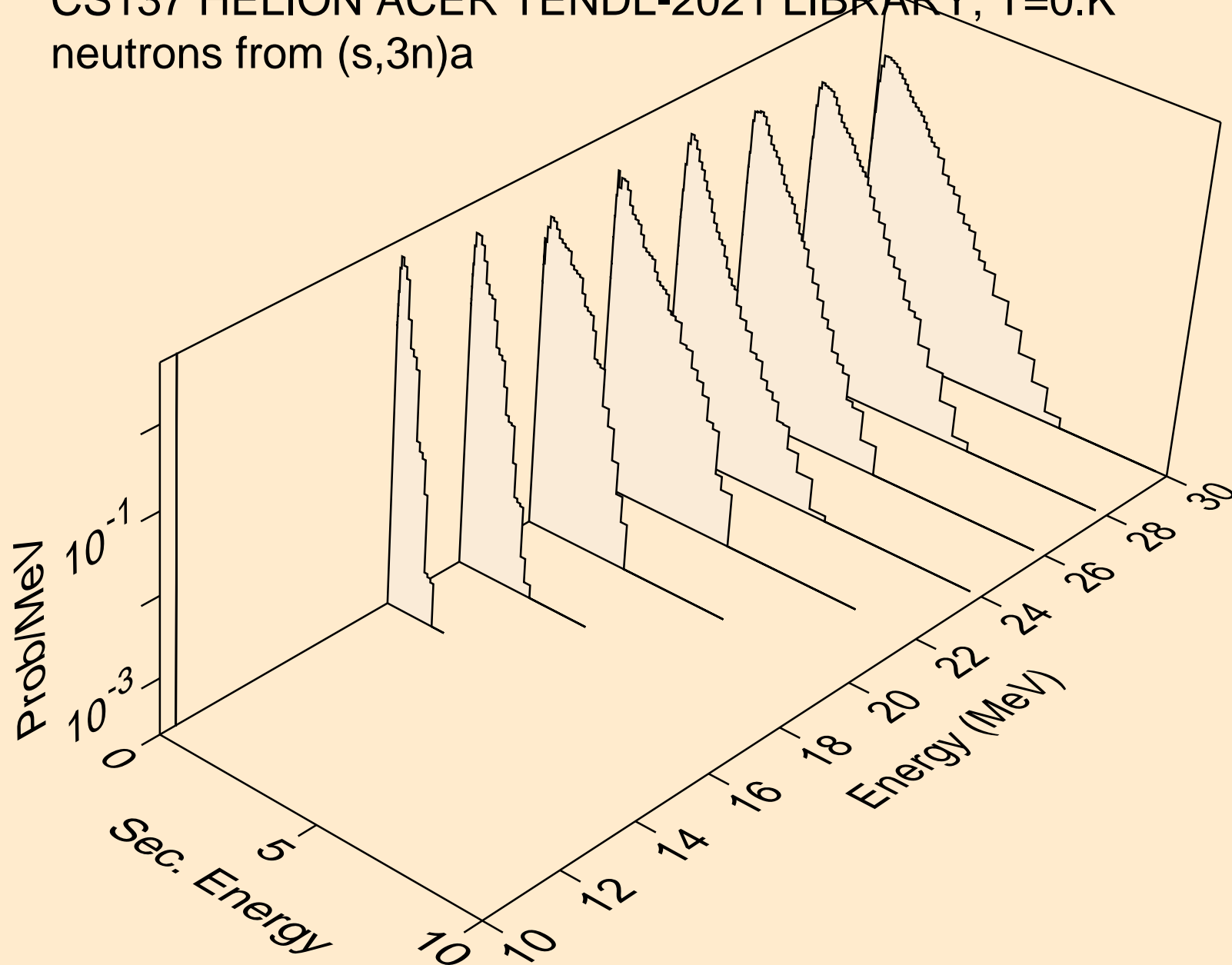




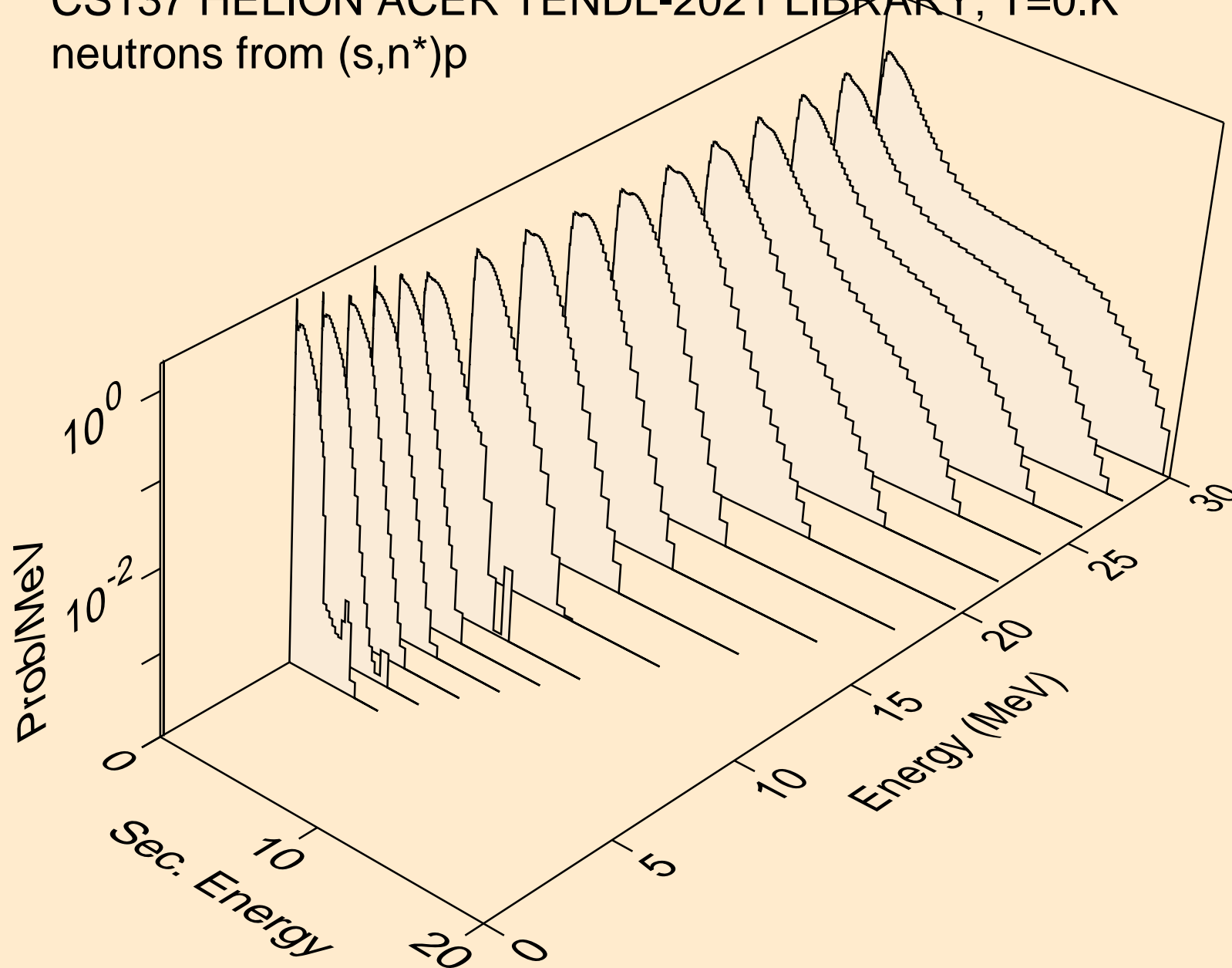
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2n)a



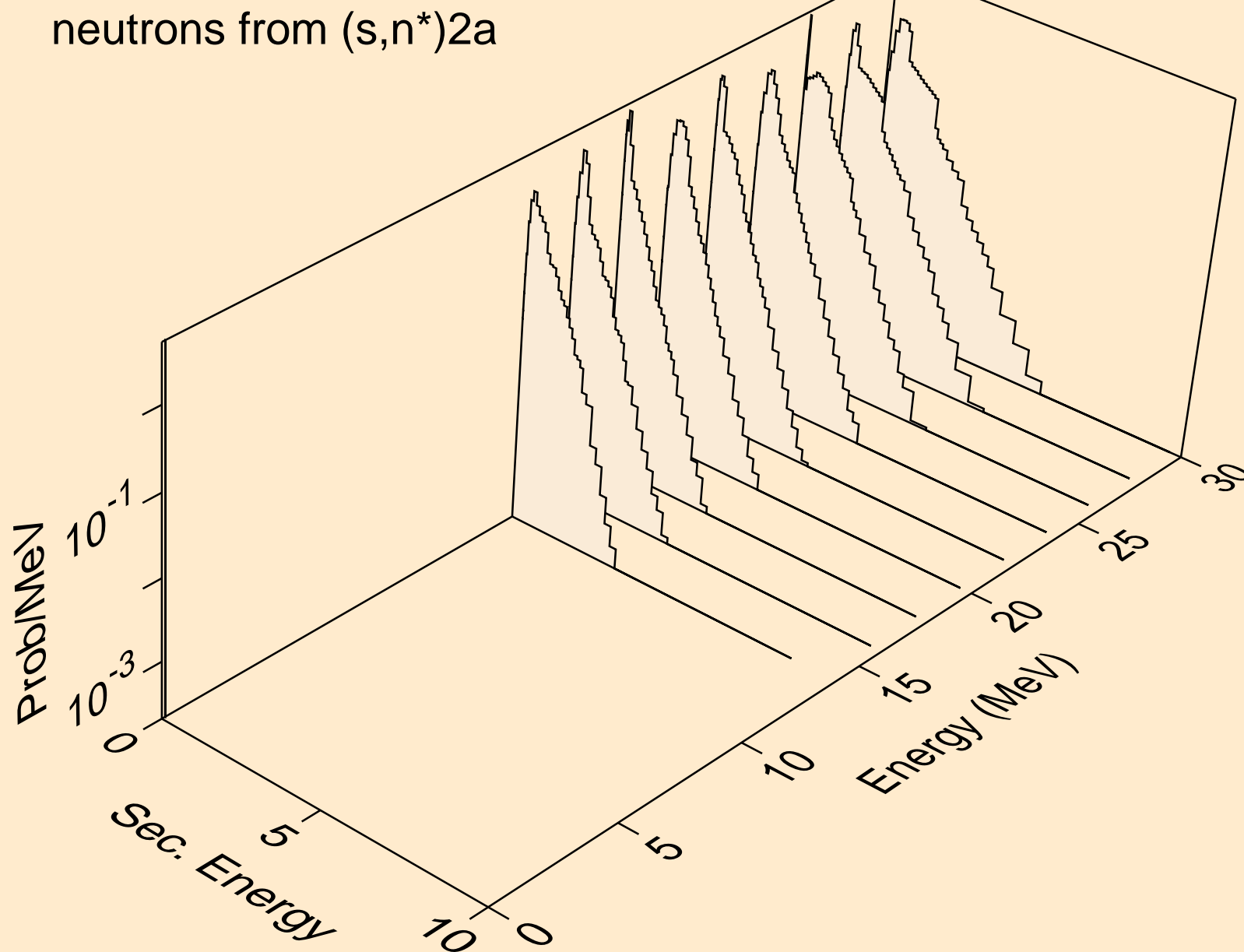
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,3n)a



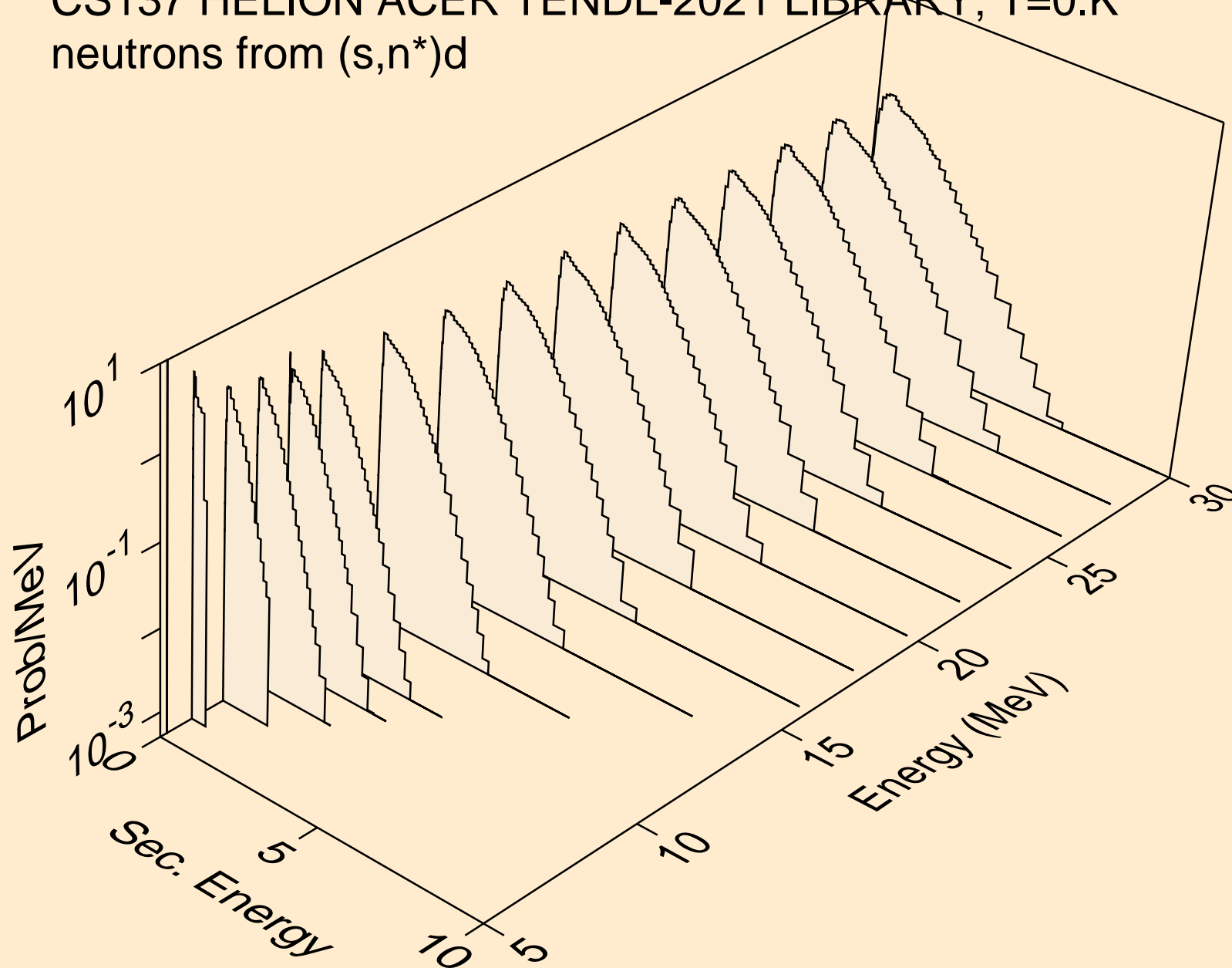
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)p



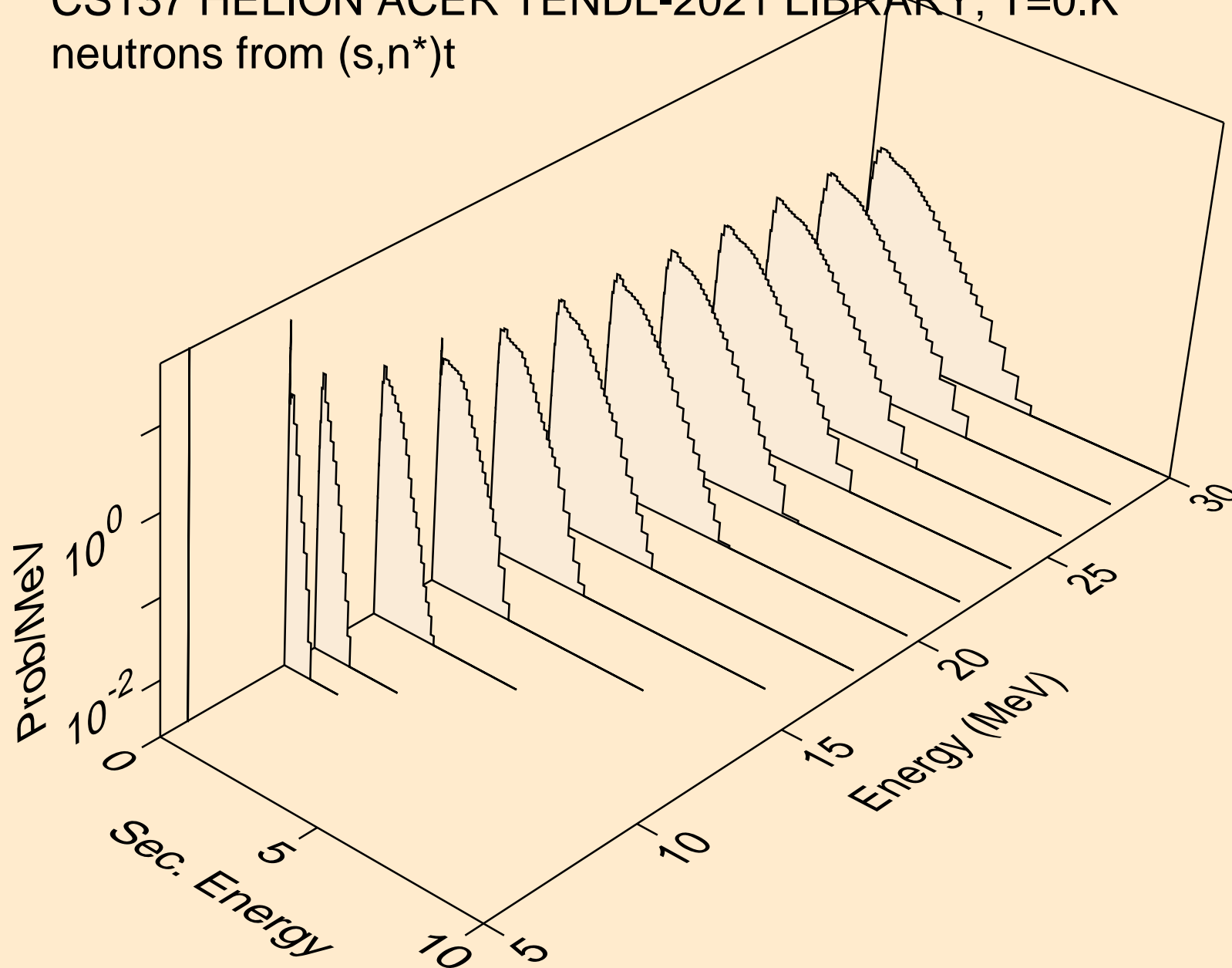
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)2a



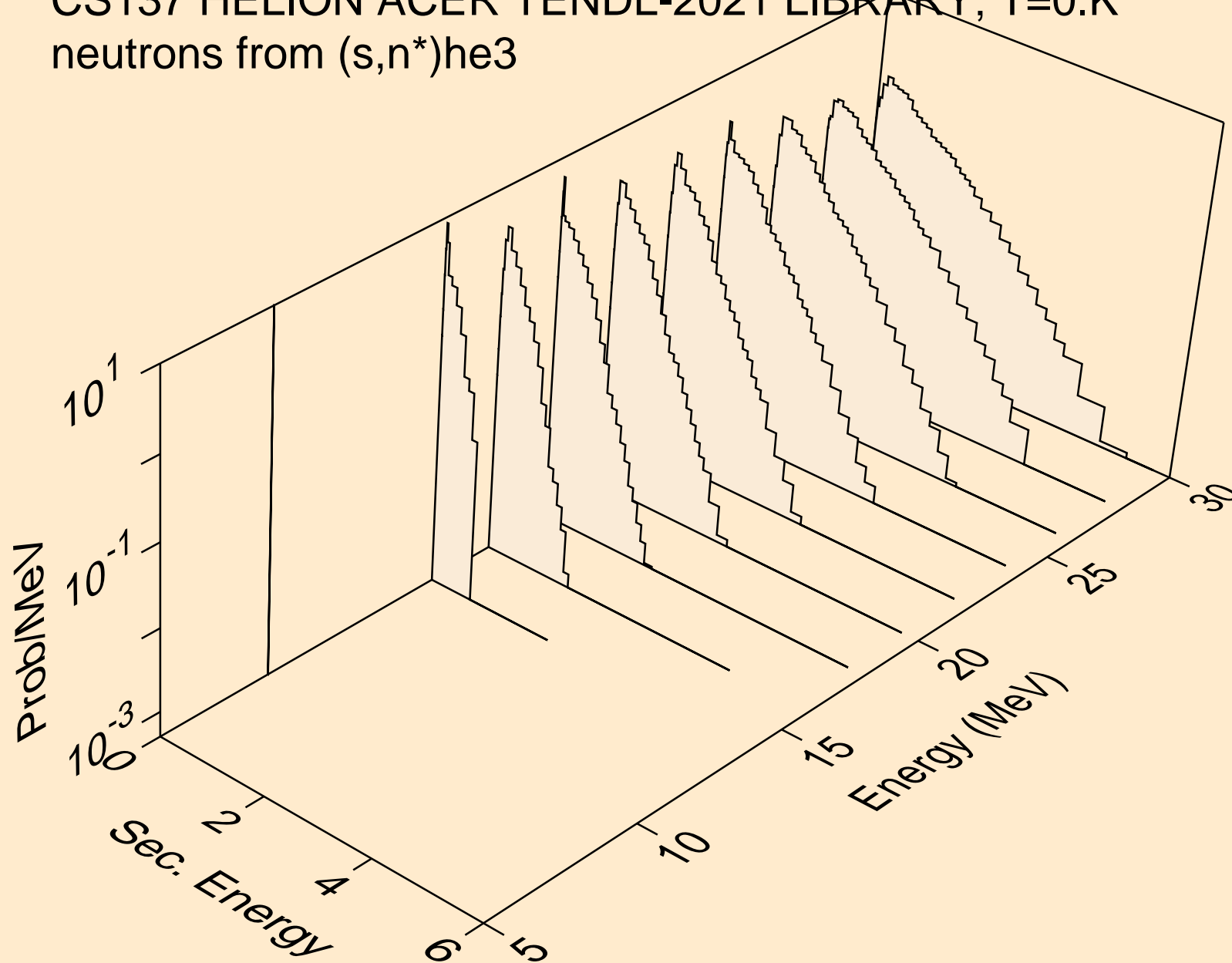
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)d



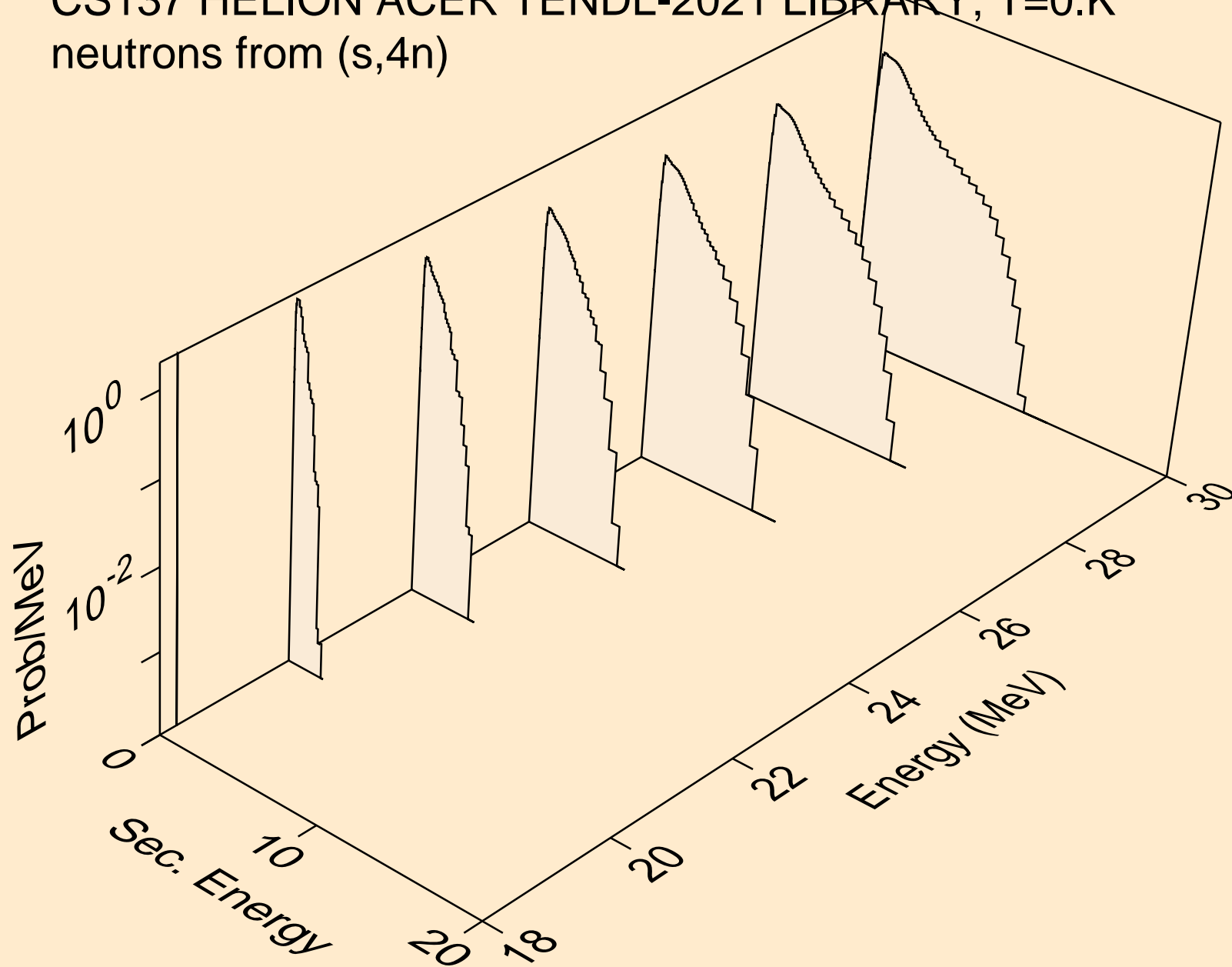
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)t



CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)he3

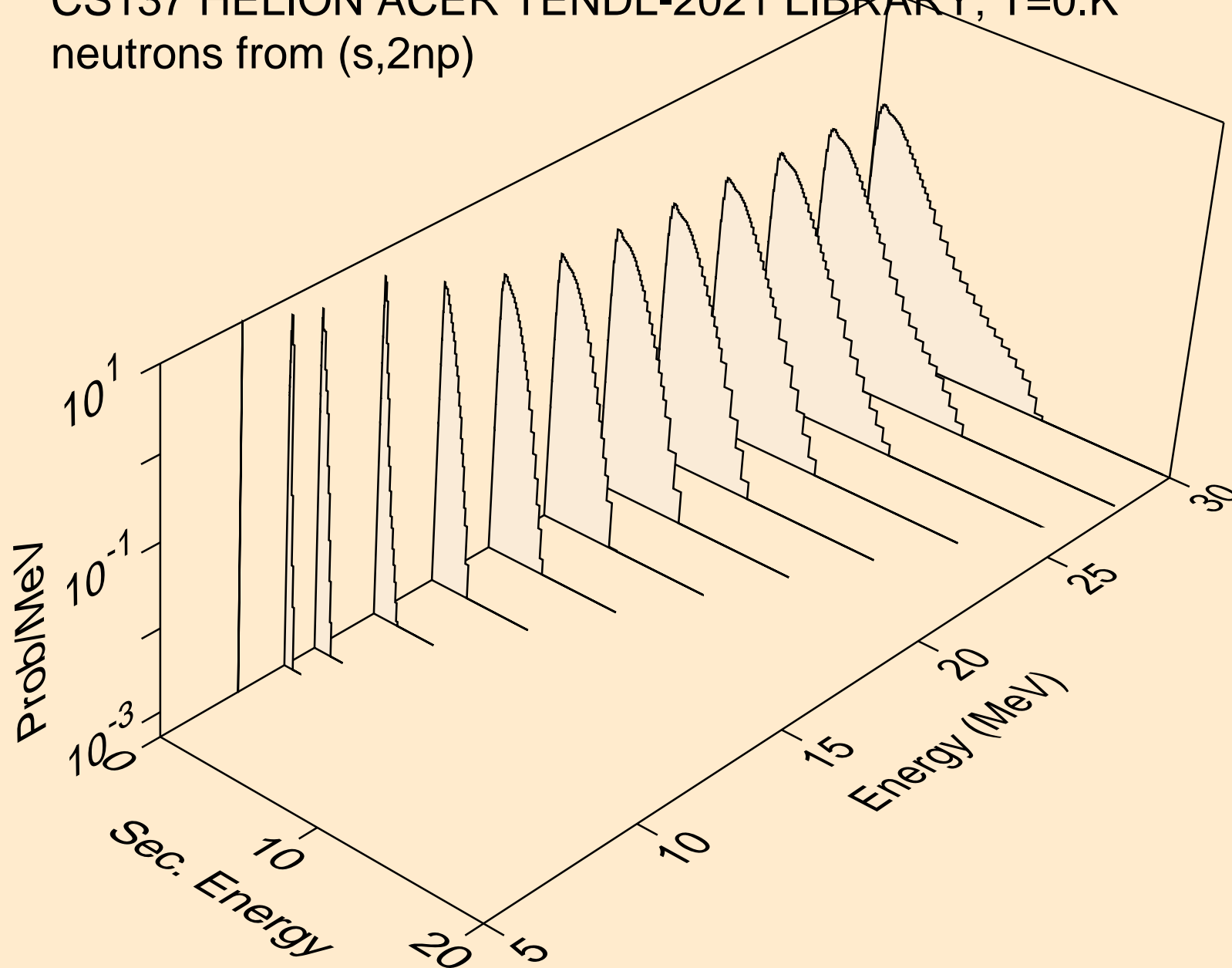


CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,4n)

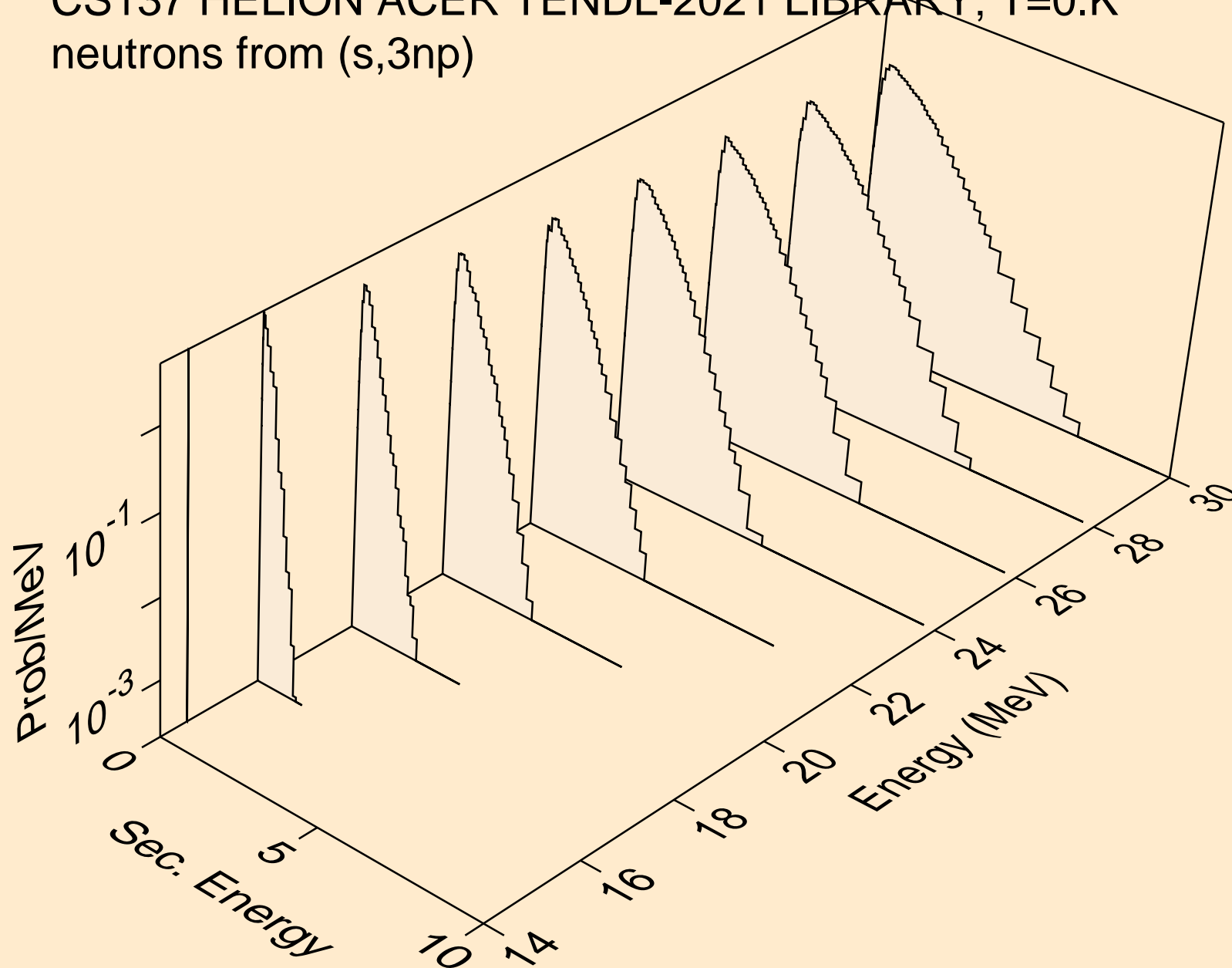




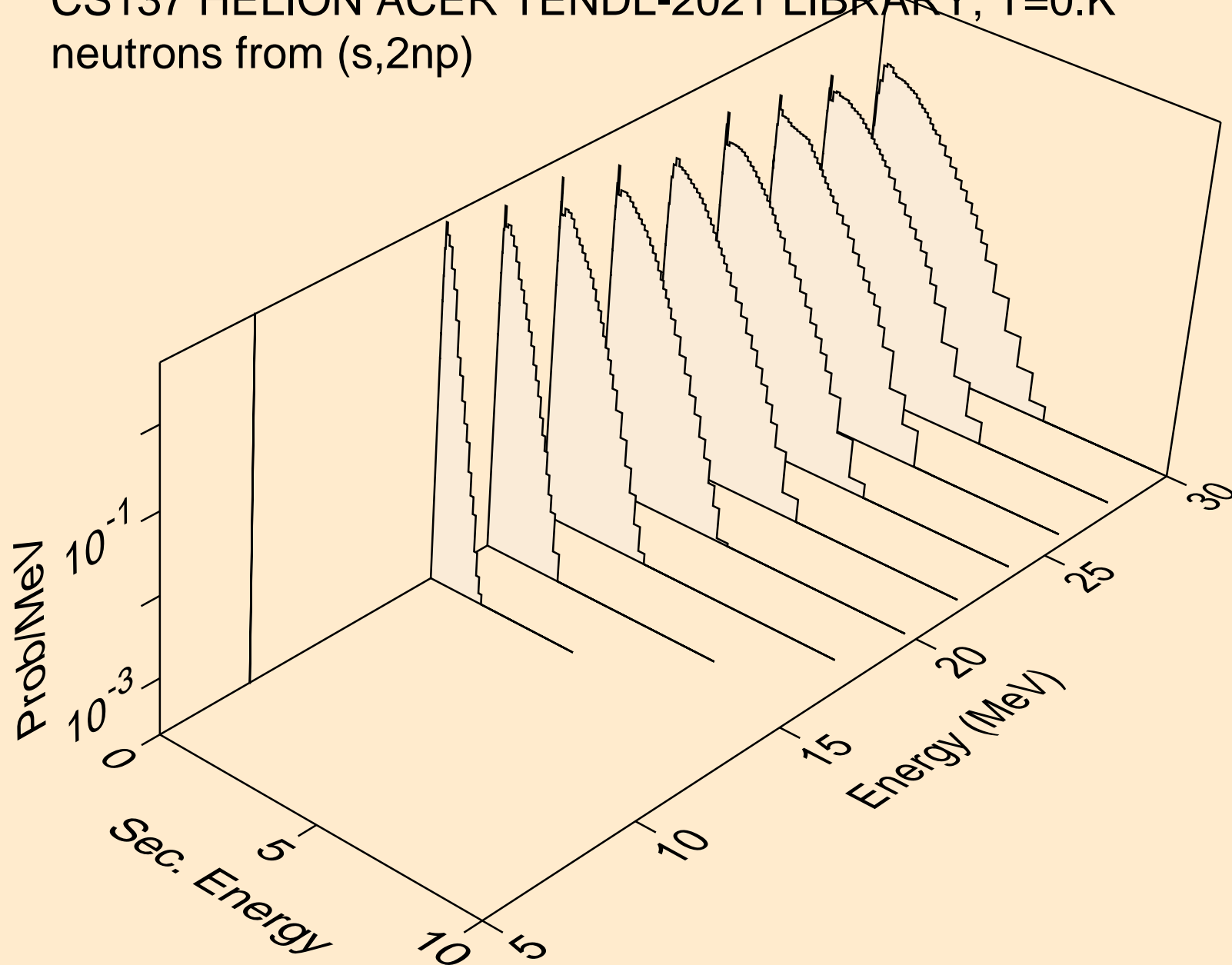
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2np)



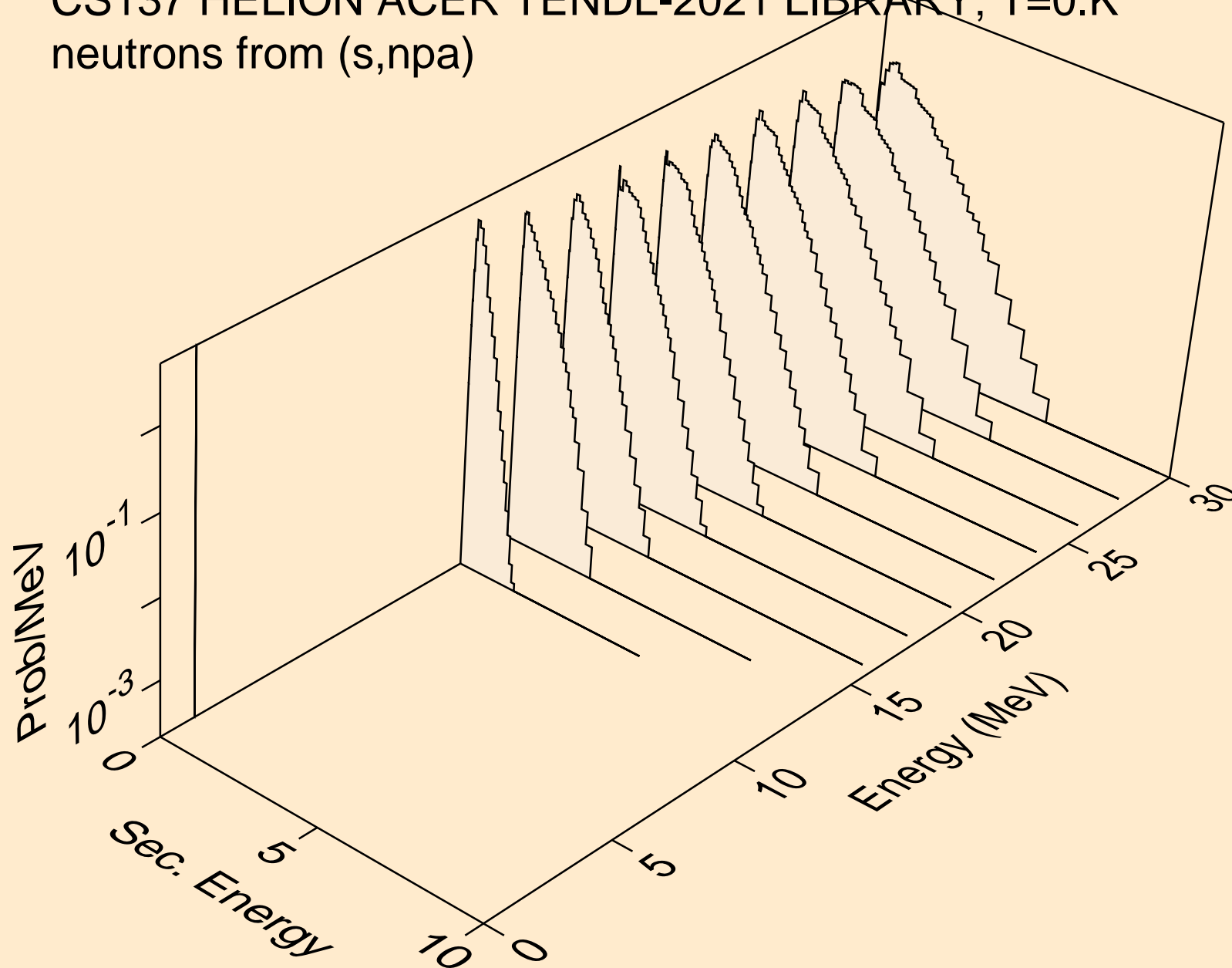
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,3np)



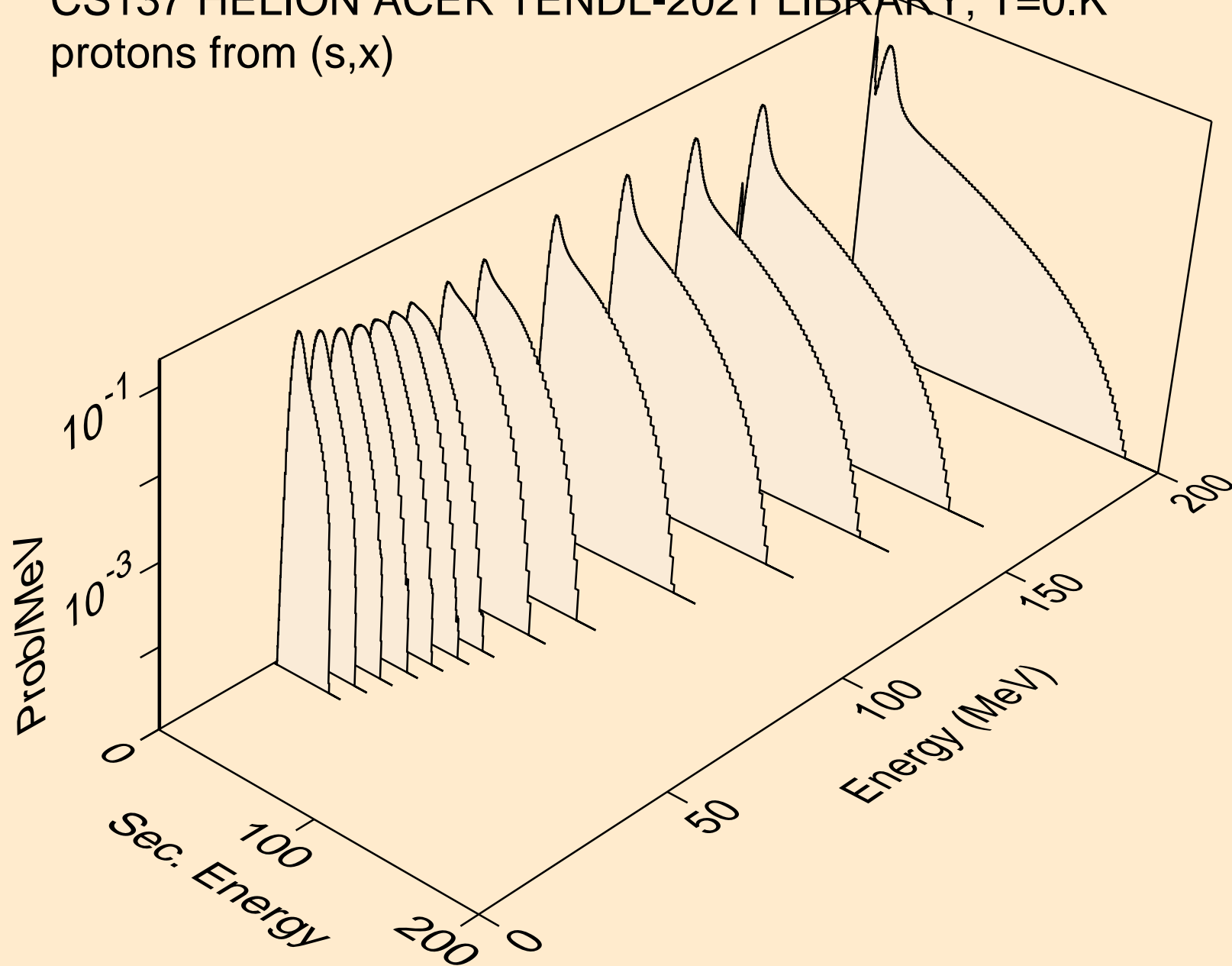
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2np)



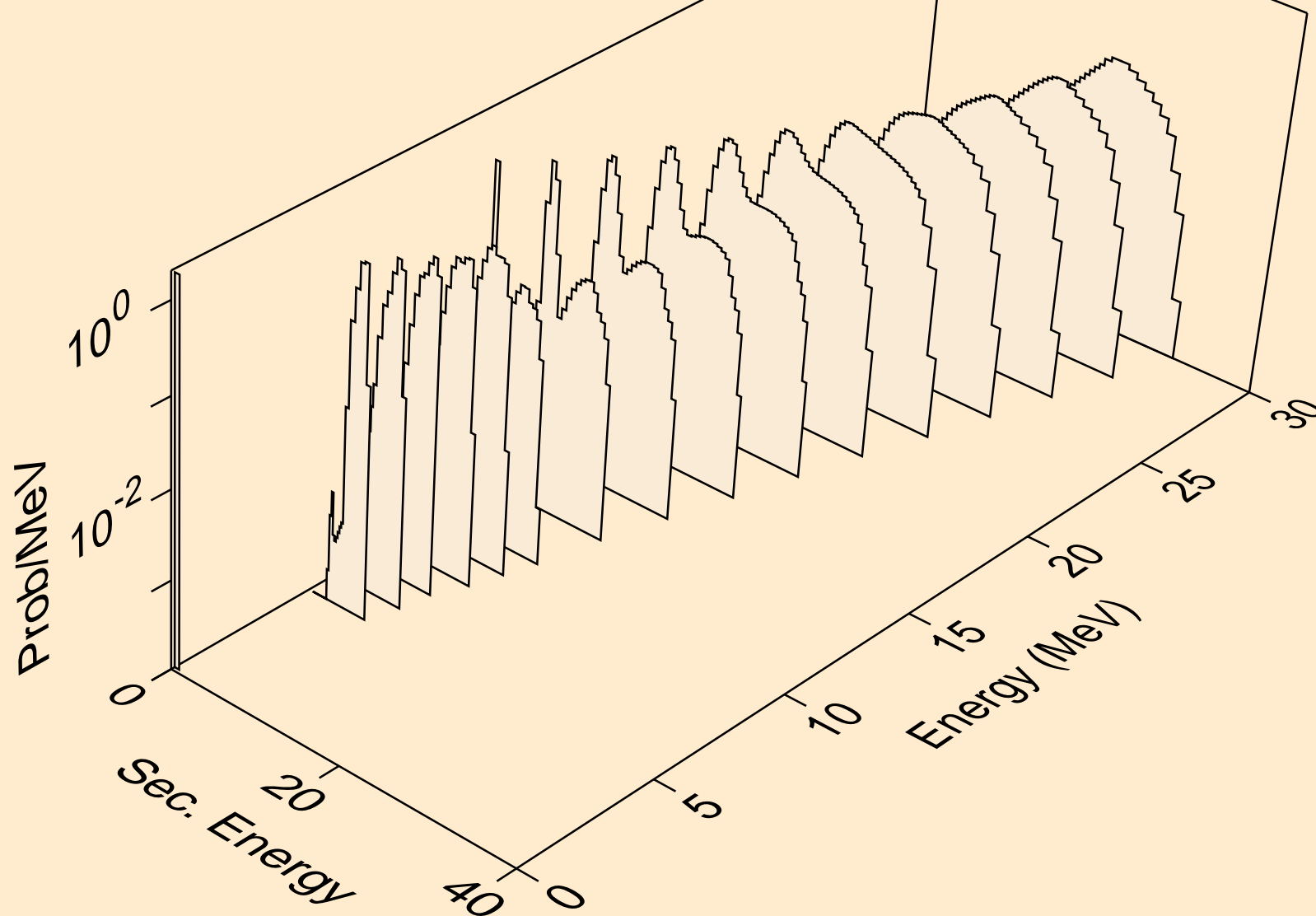
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,npa)



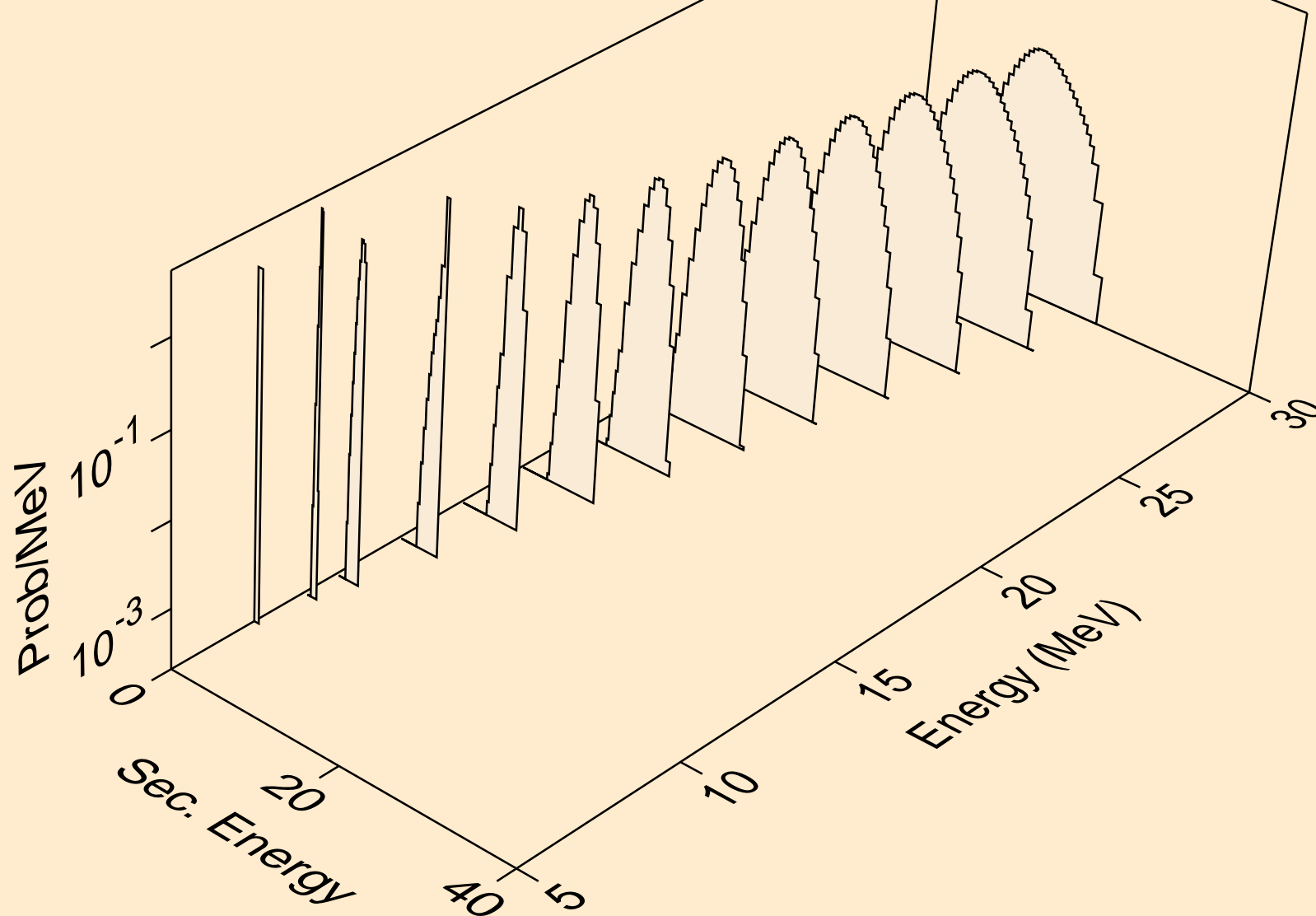
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,x)



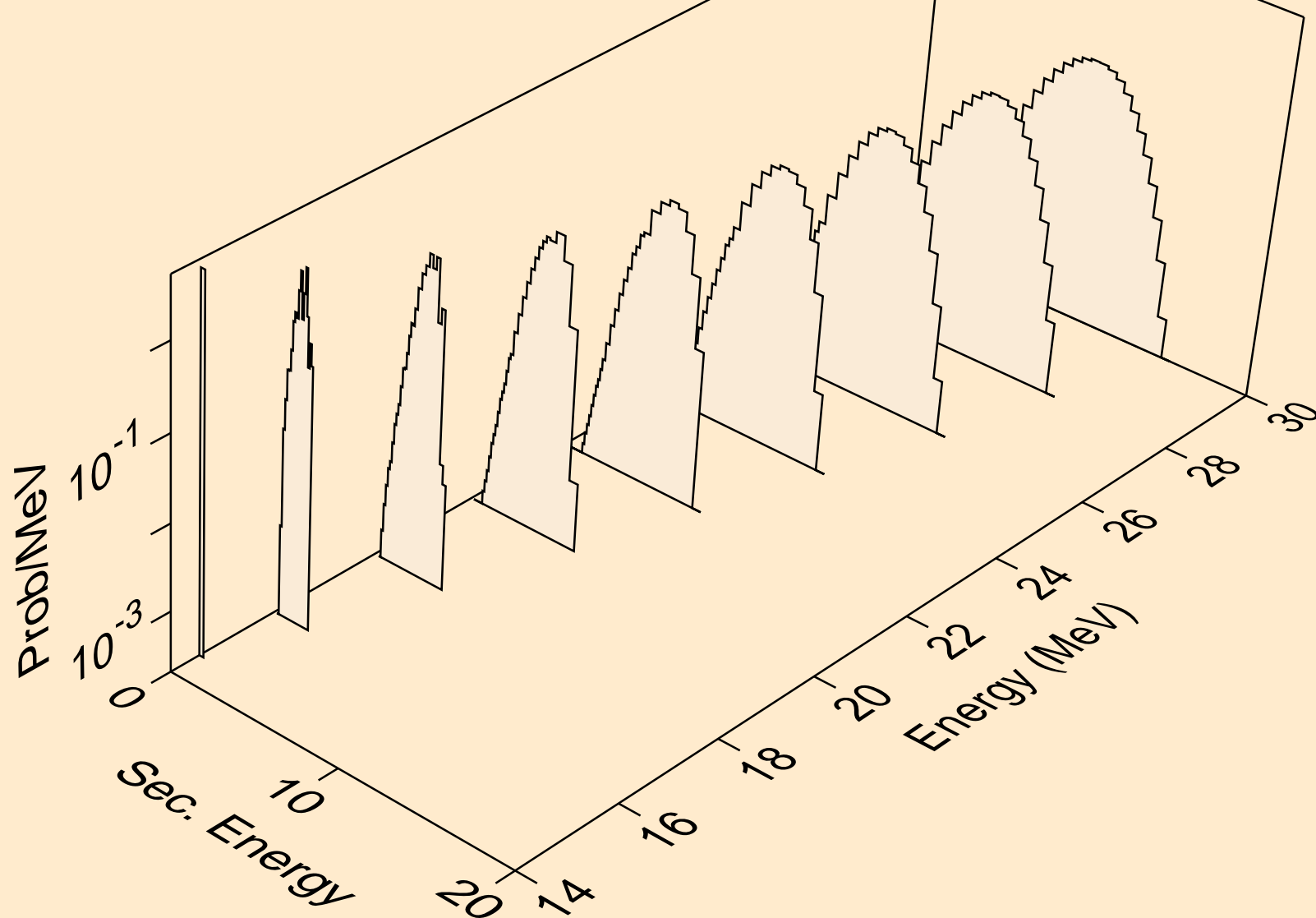
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,n\*)p



CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,2np)

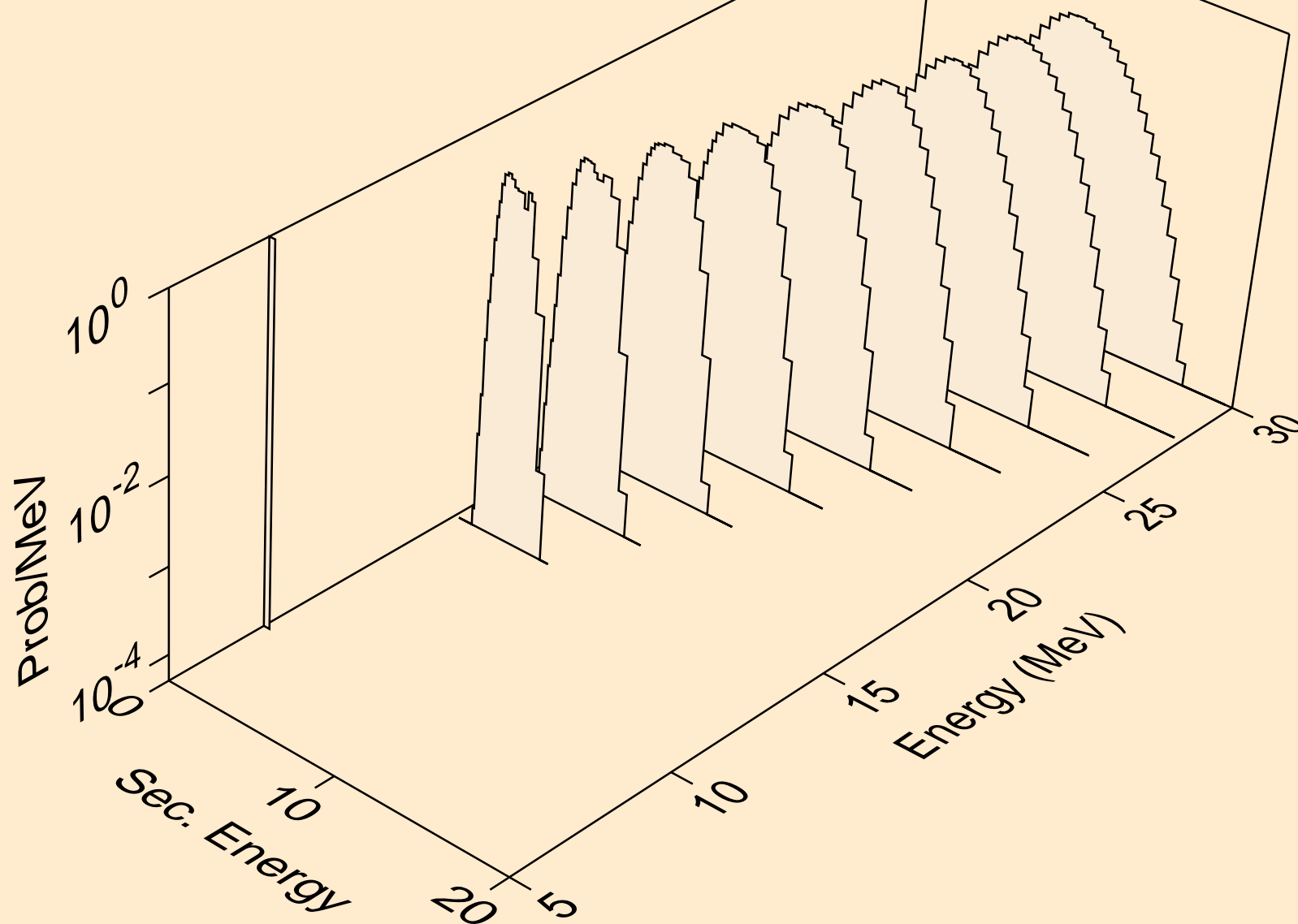


CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
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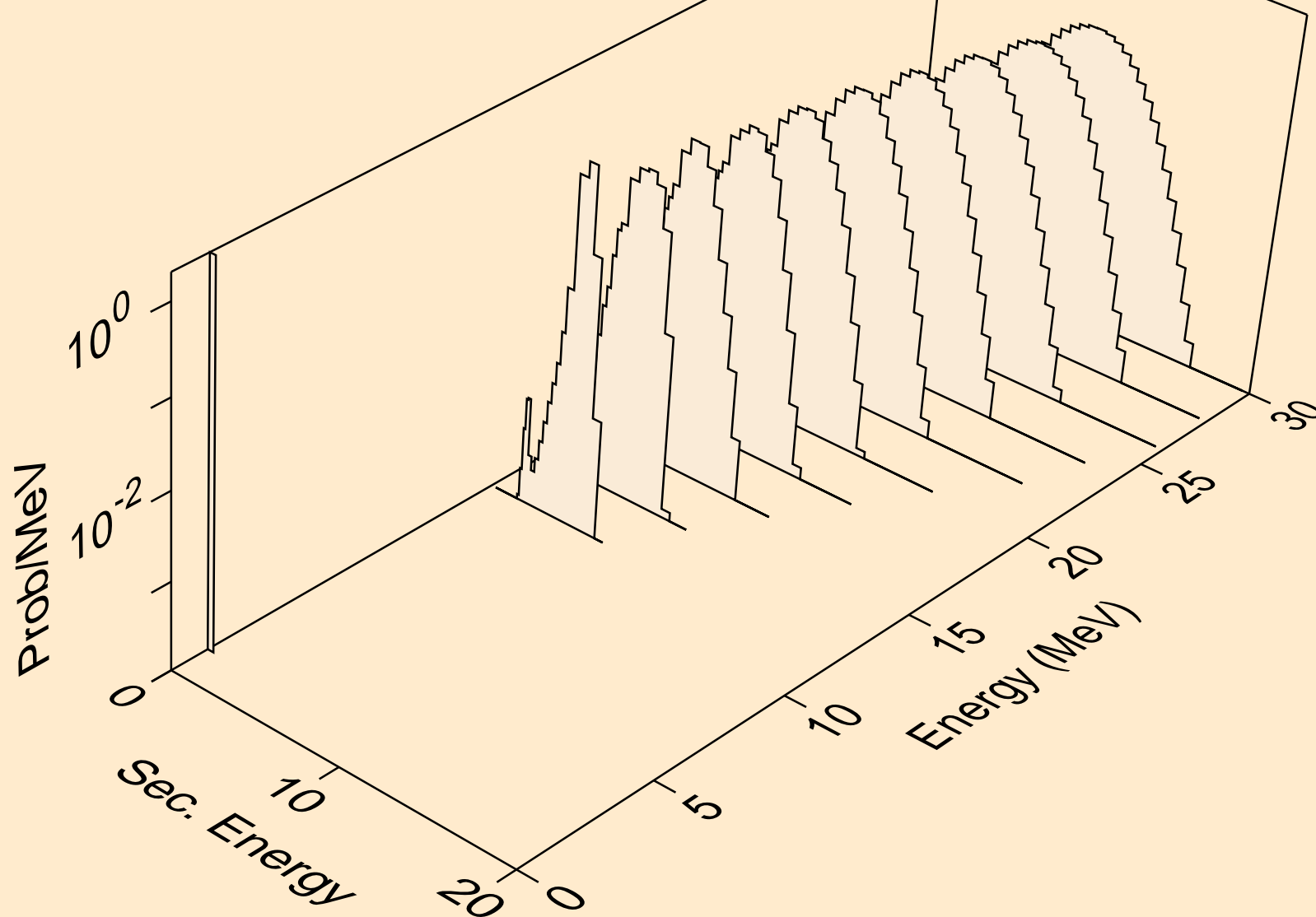




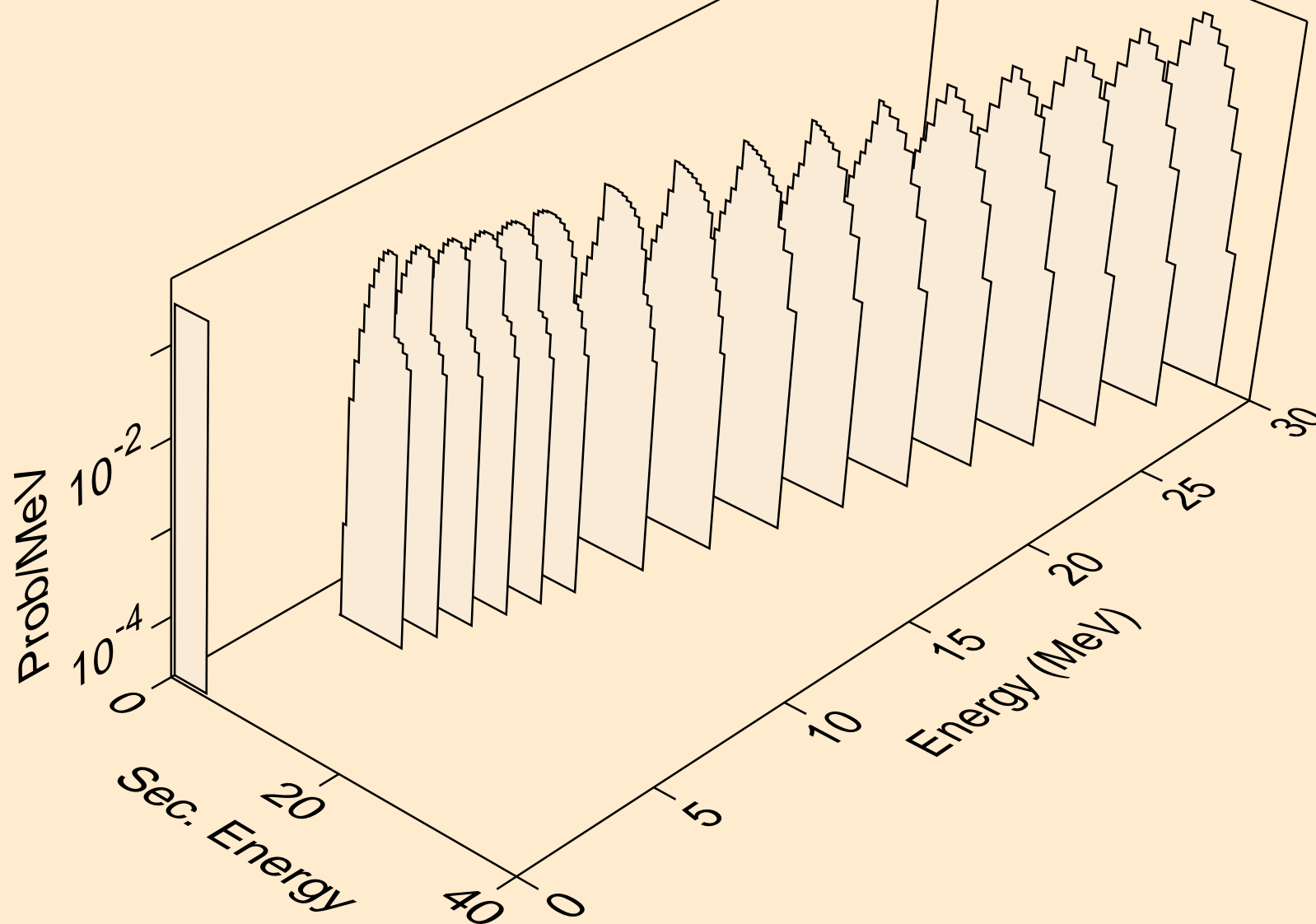
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protons from (s,2np)



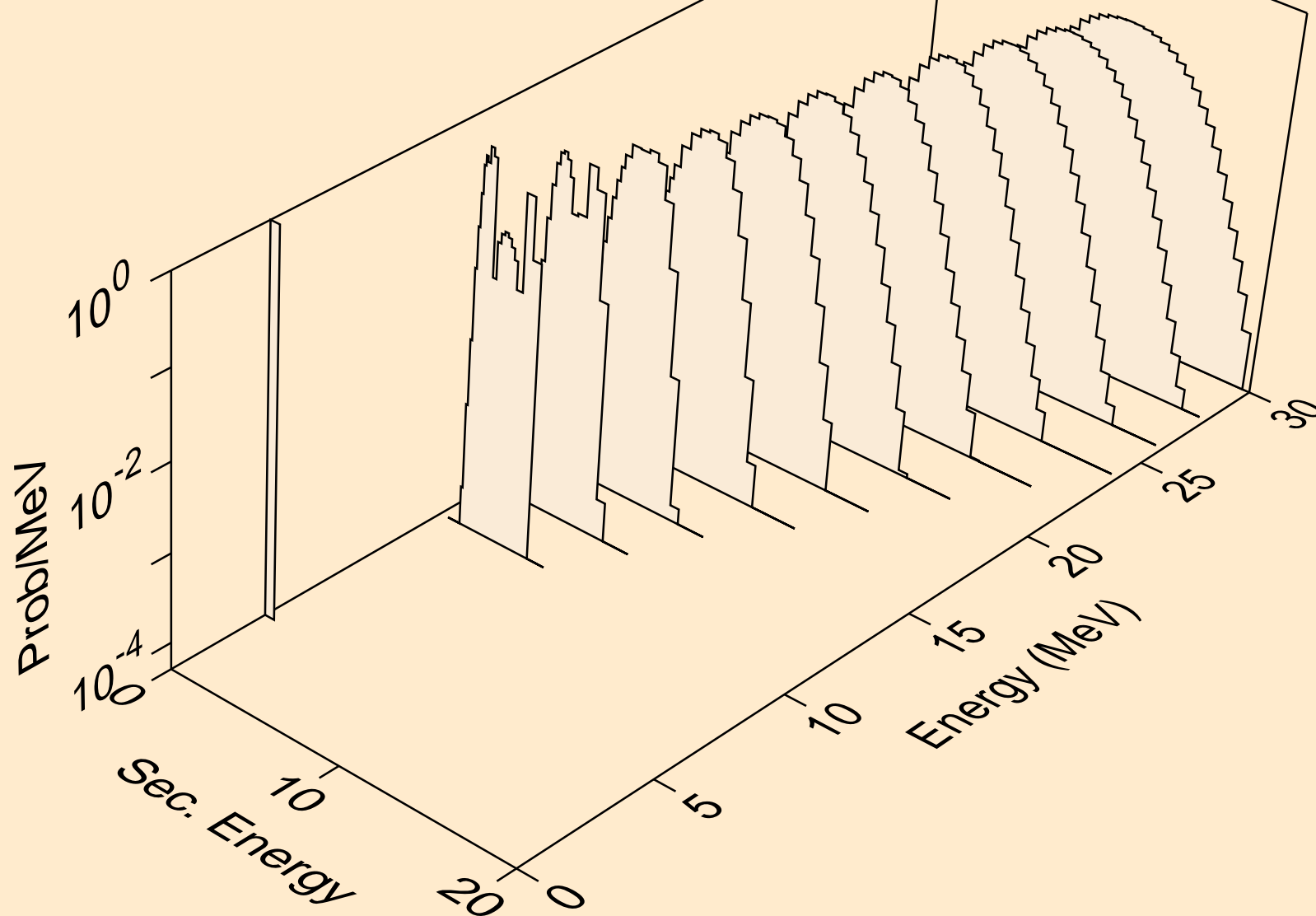
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protons from (s,npa)



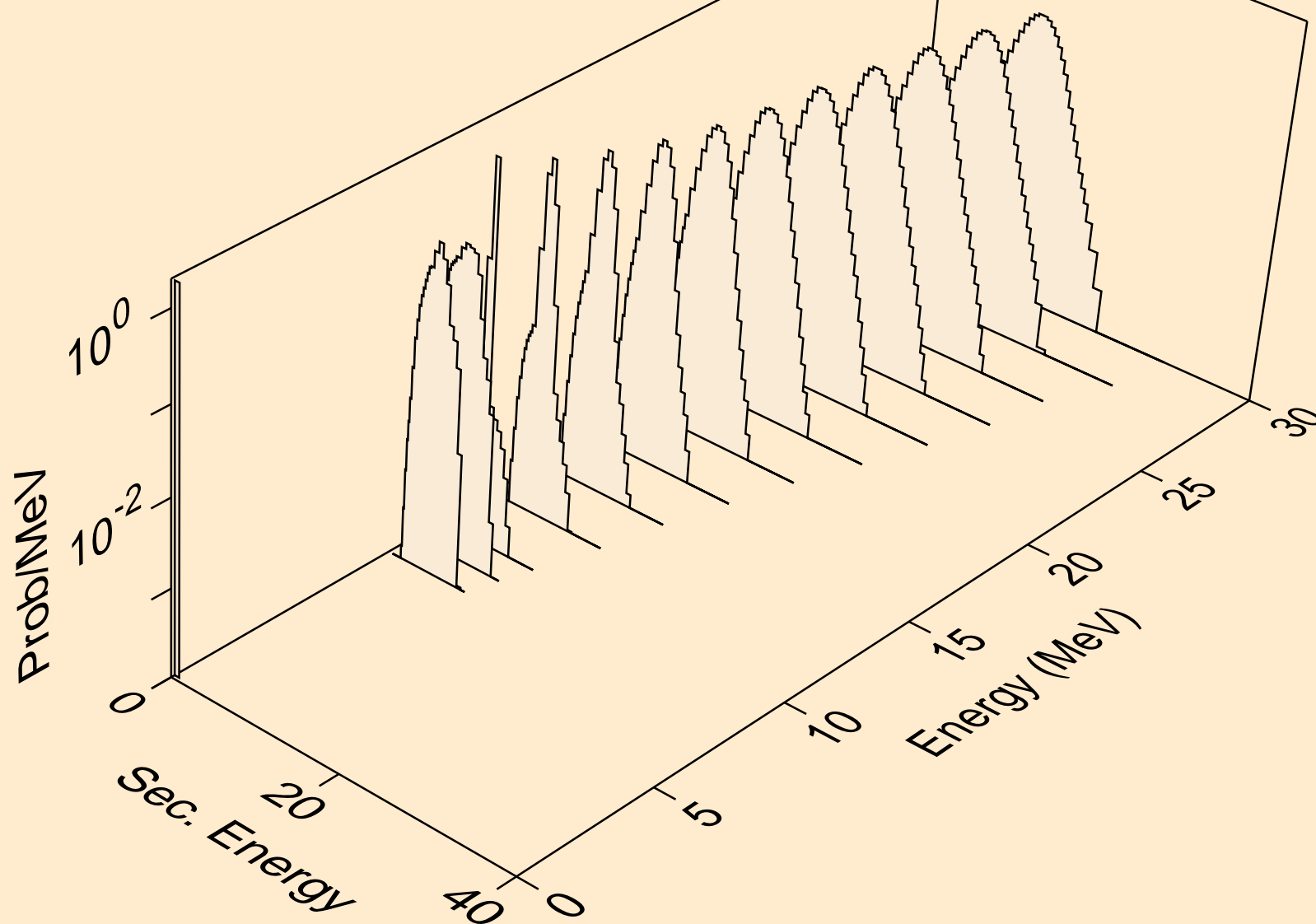
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,p)



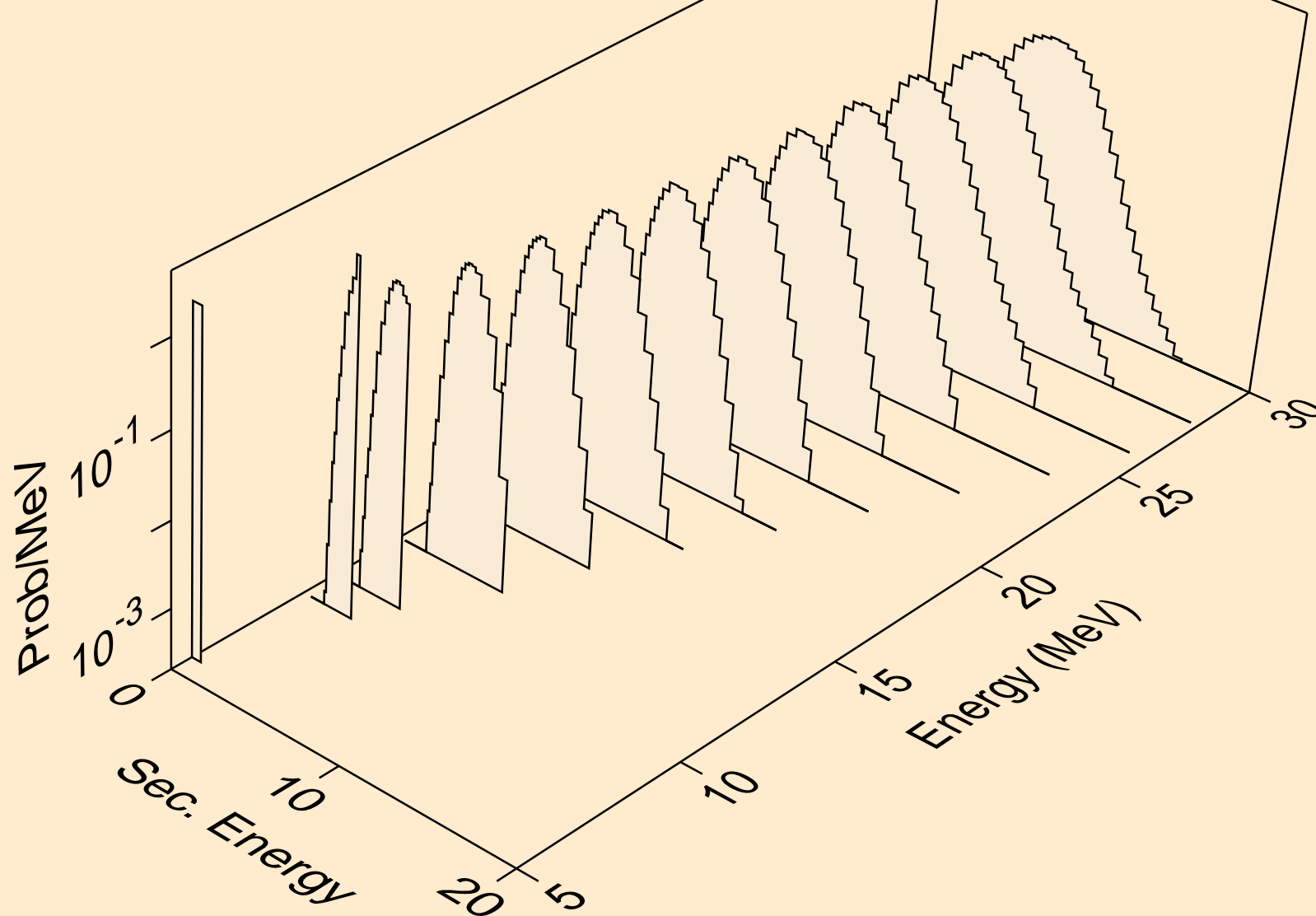
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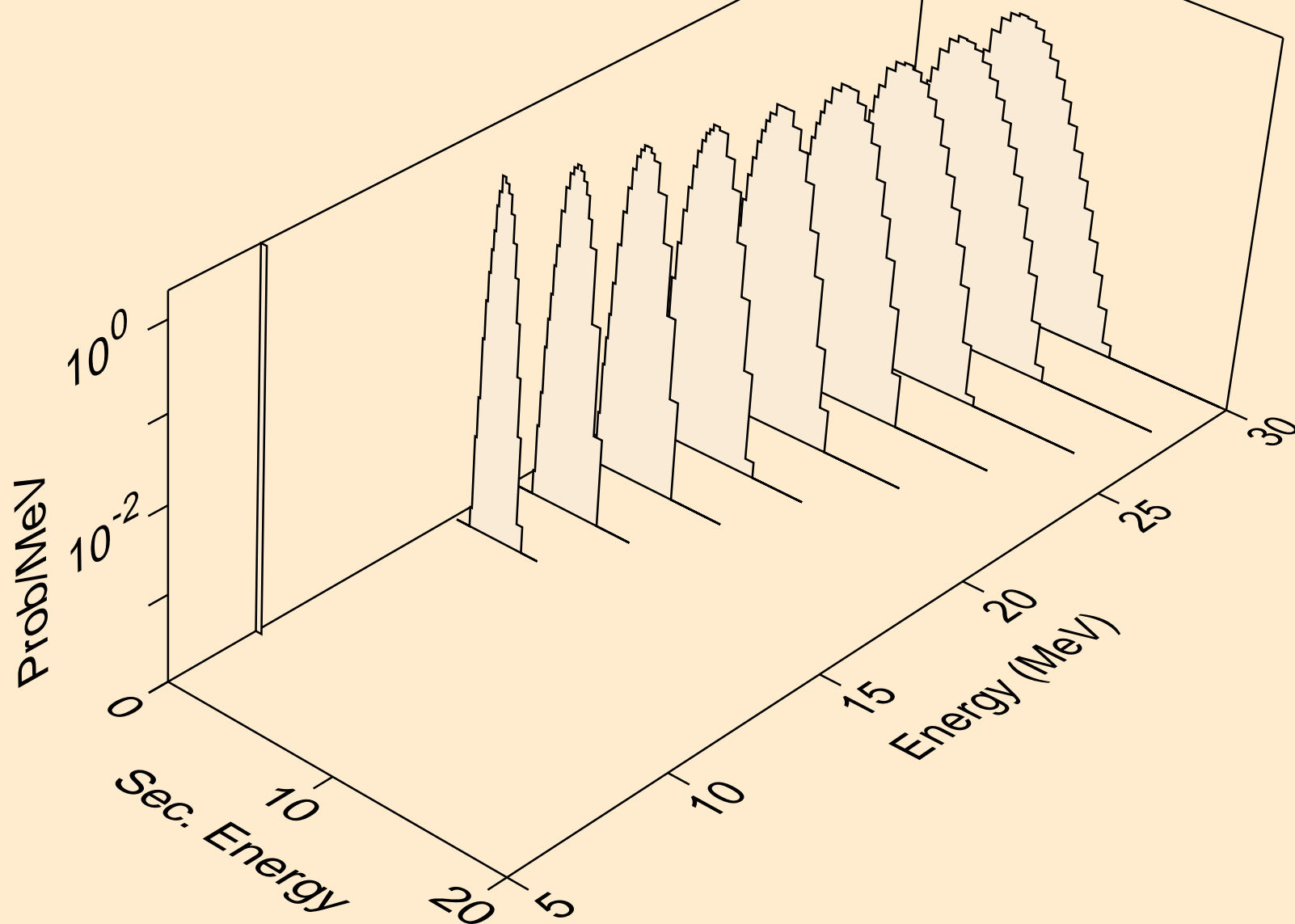
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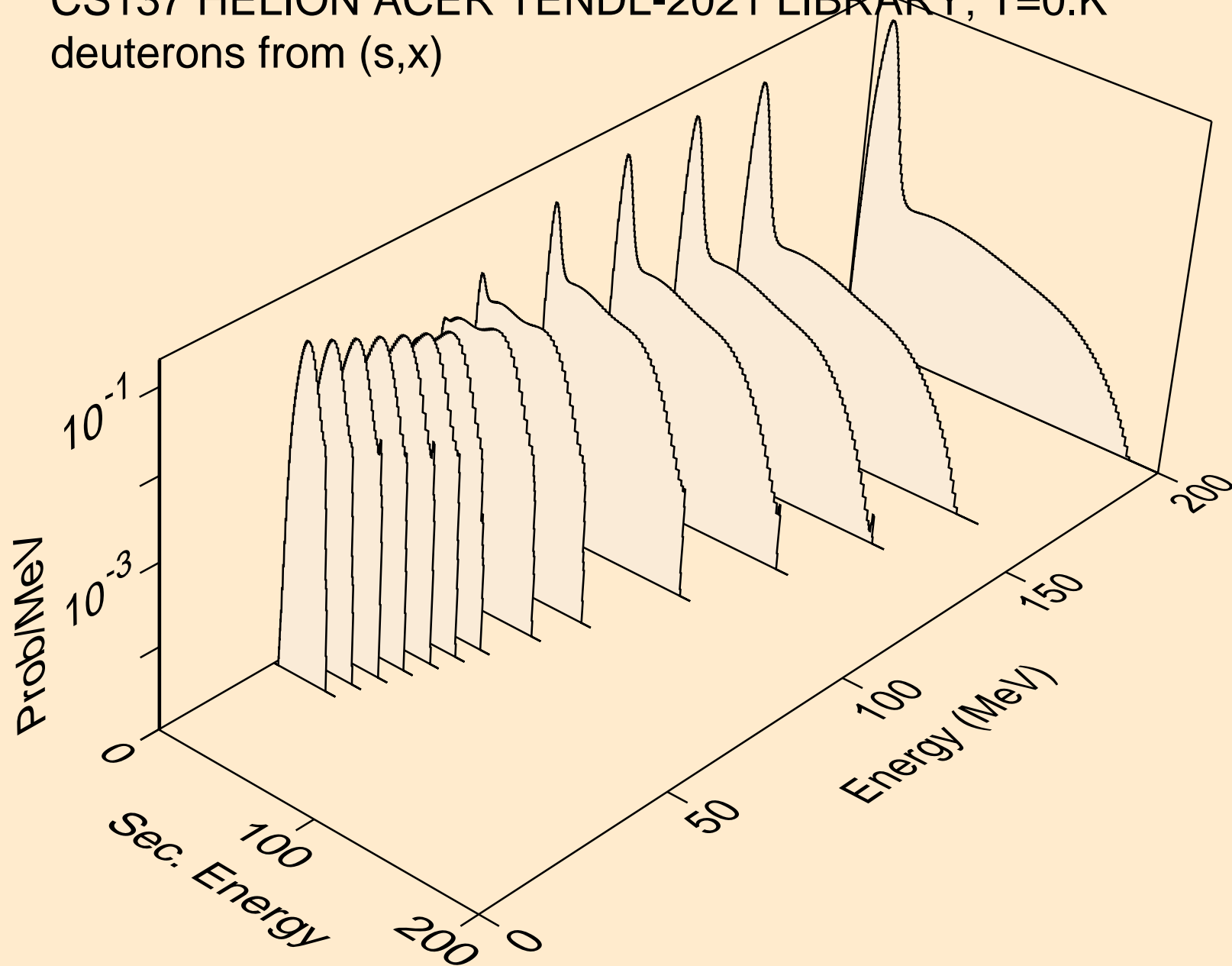
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,pd)



CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,pt)

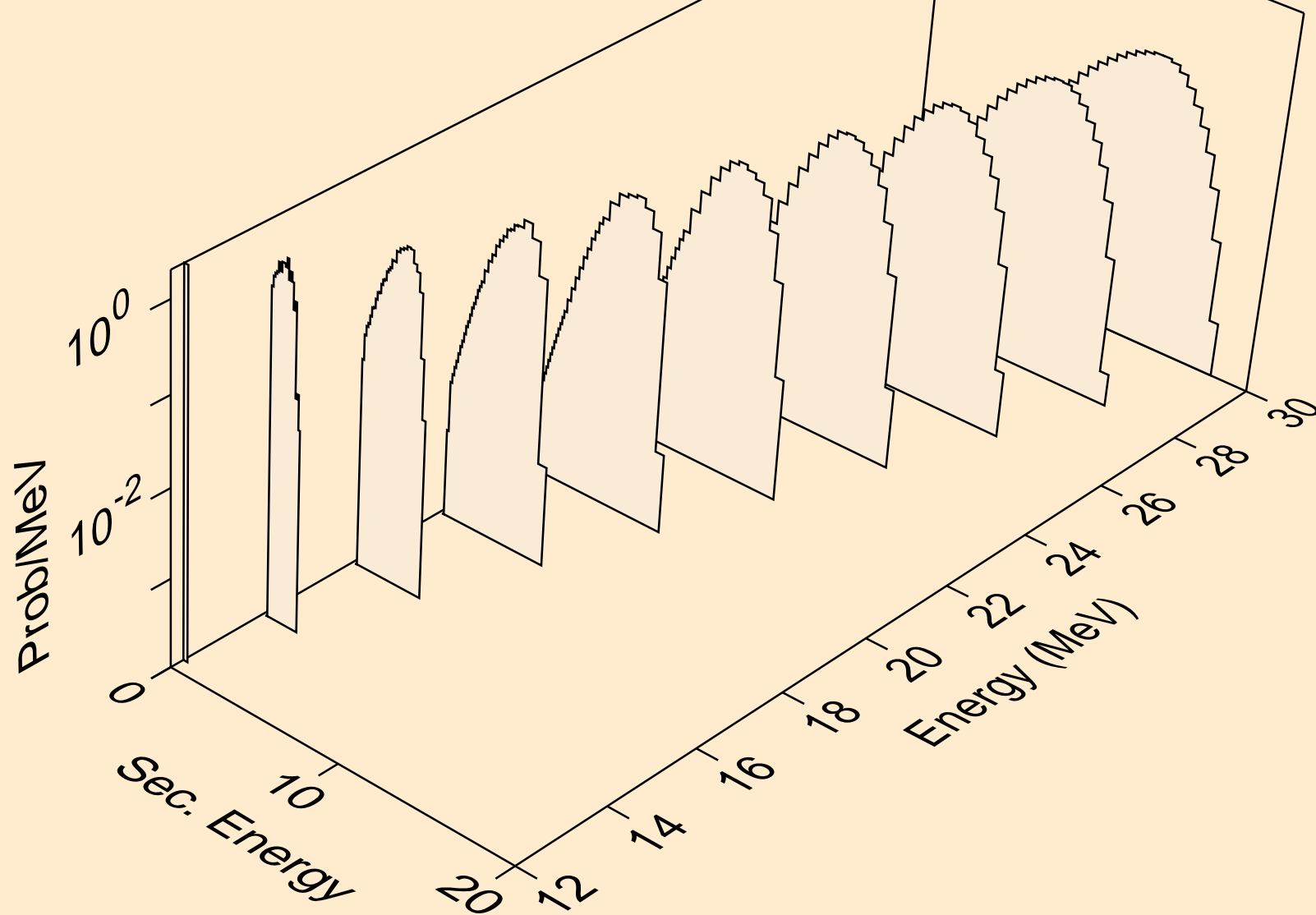


CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
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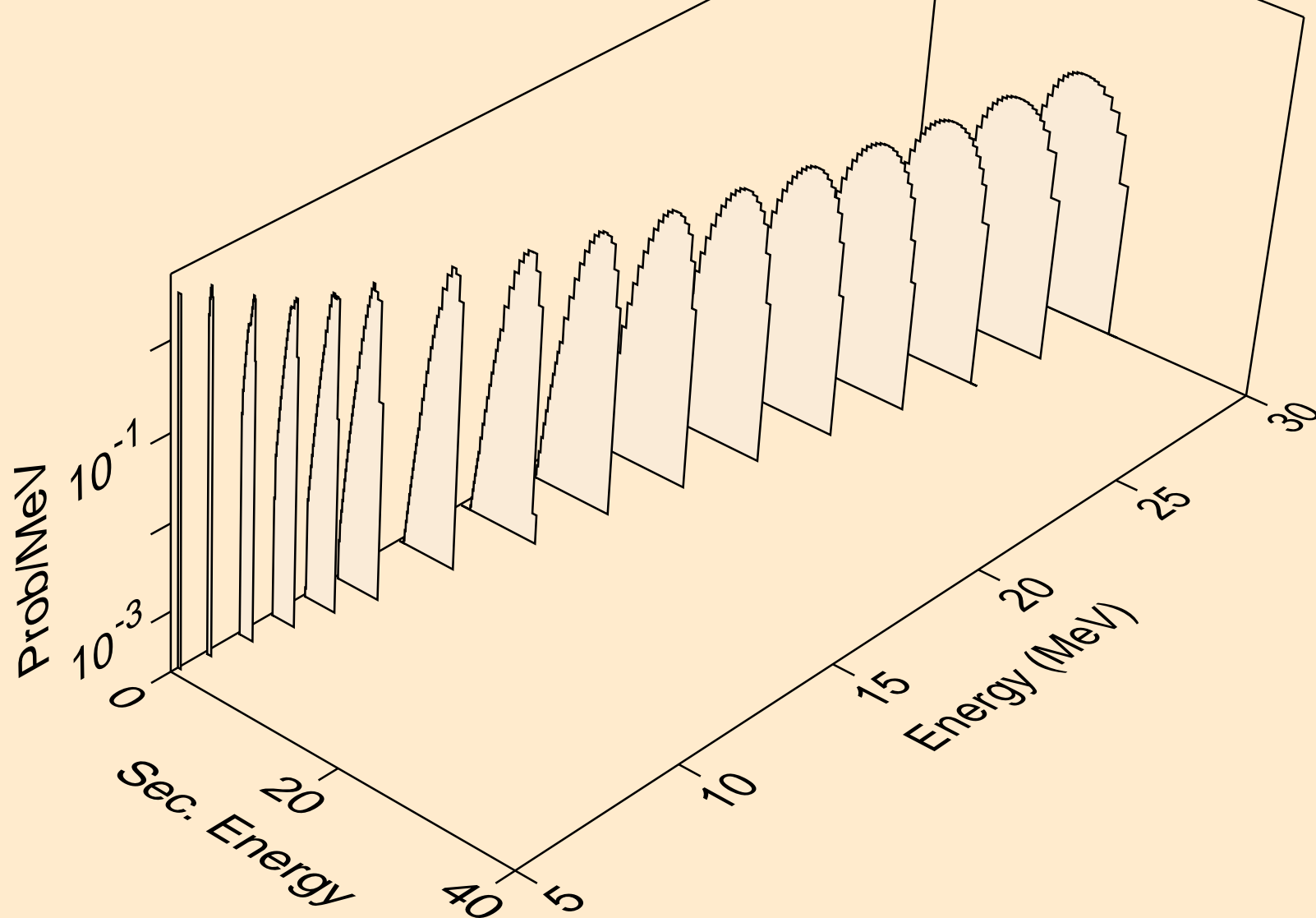




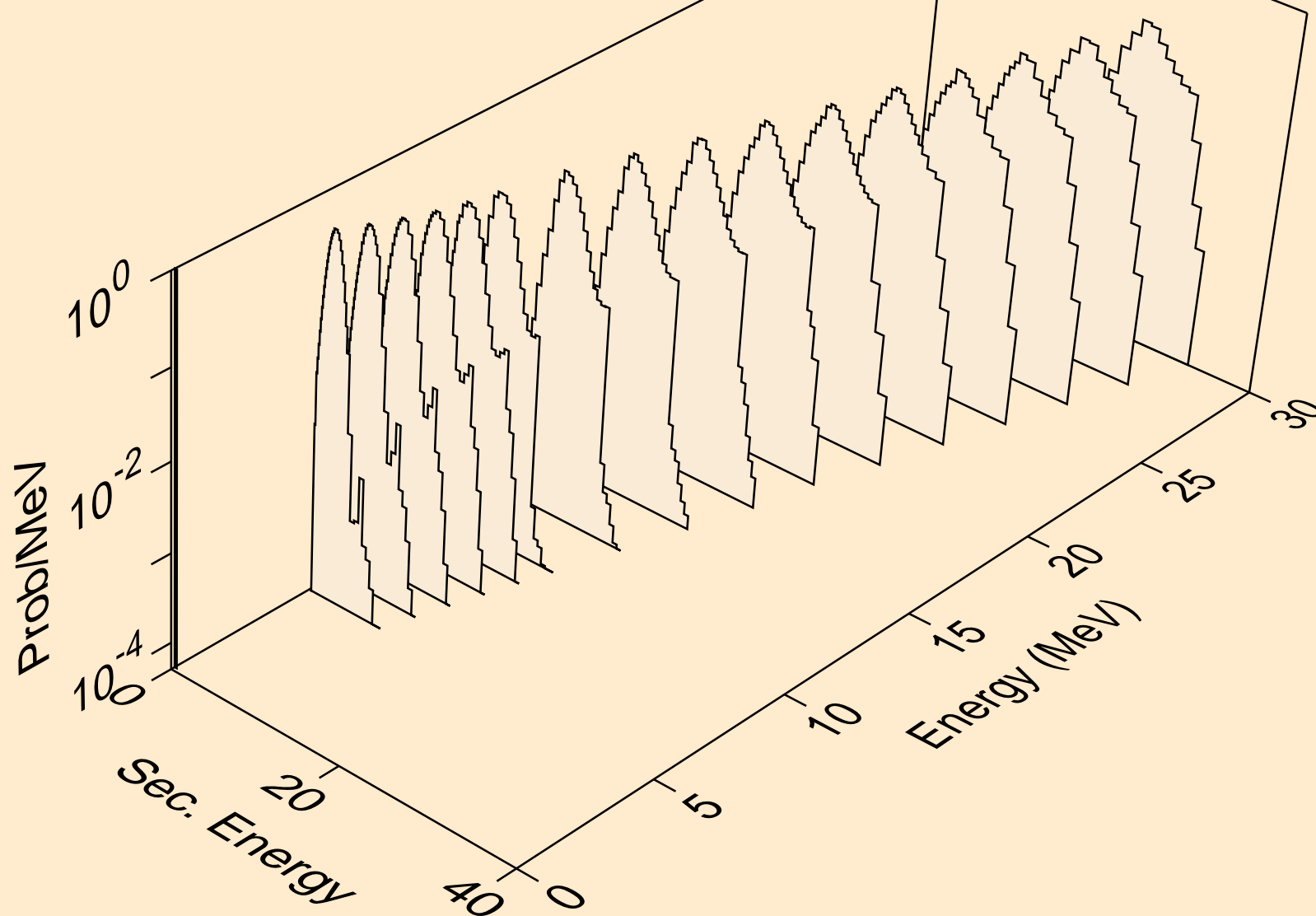
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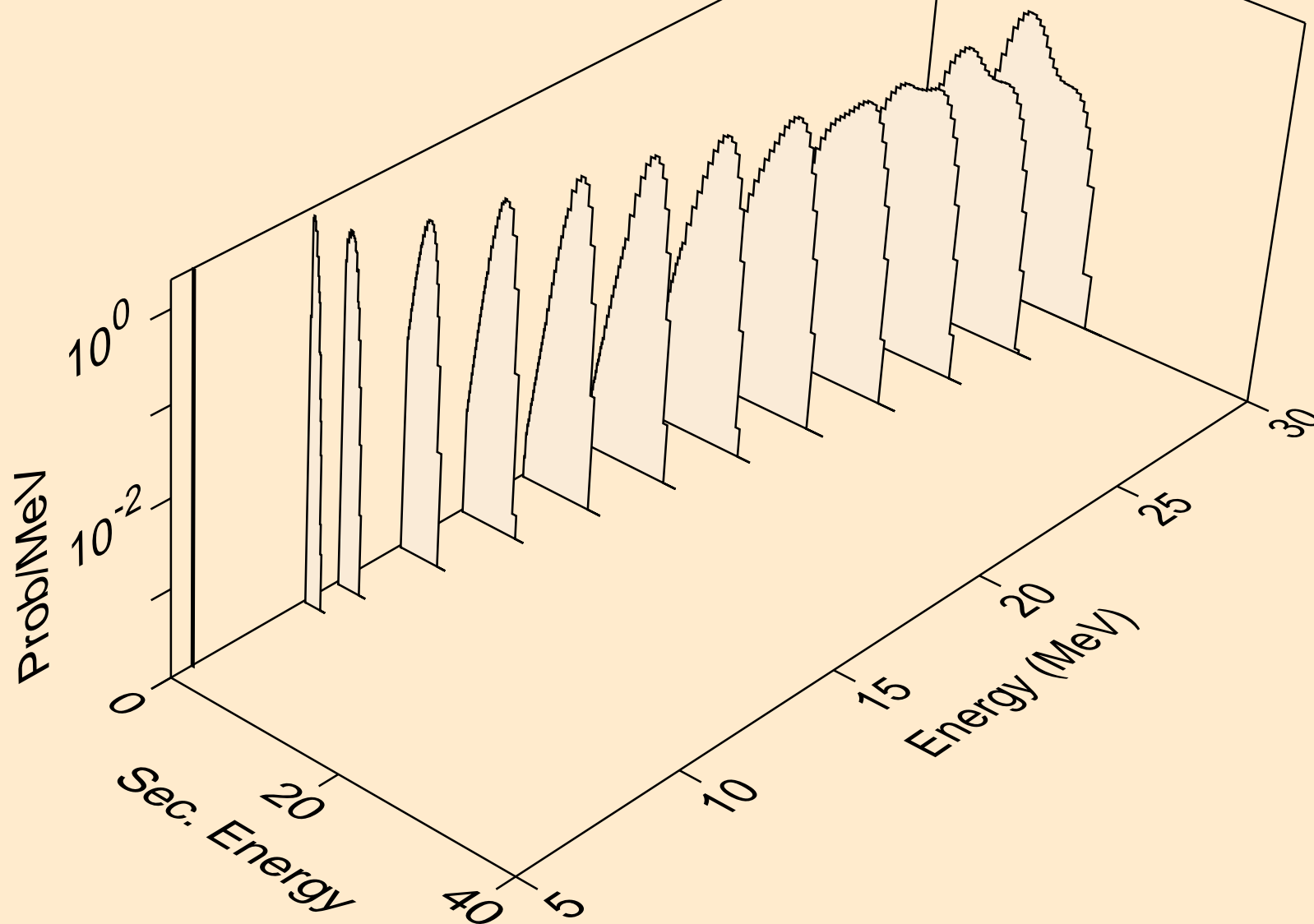
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deuterons from (s,n\*)d



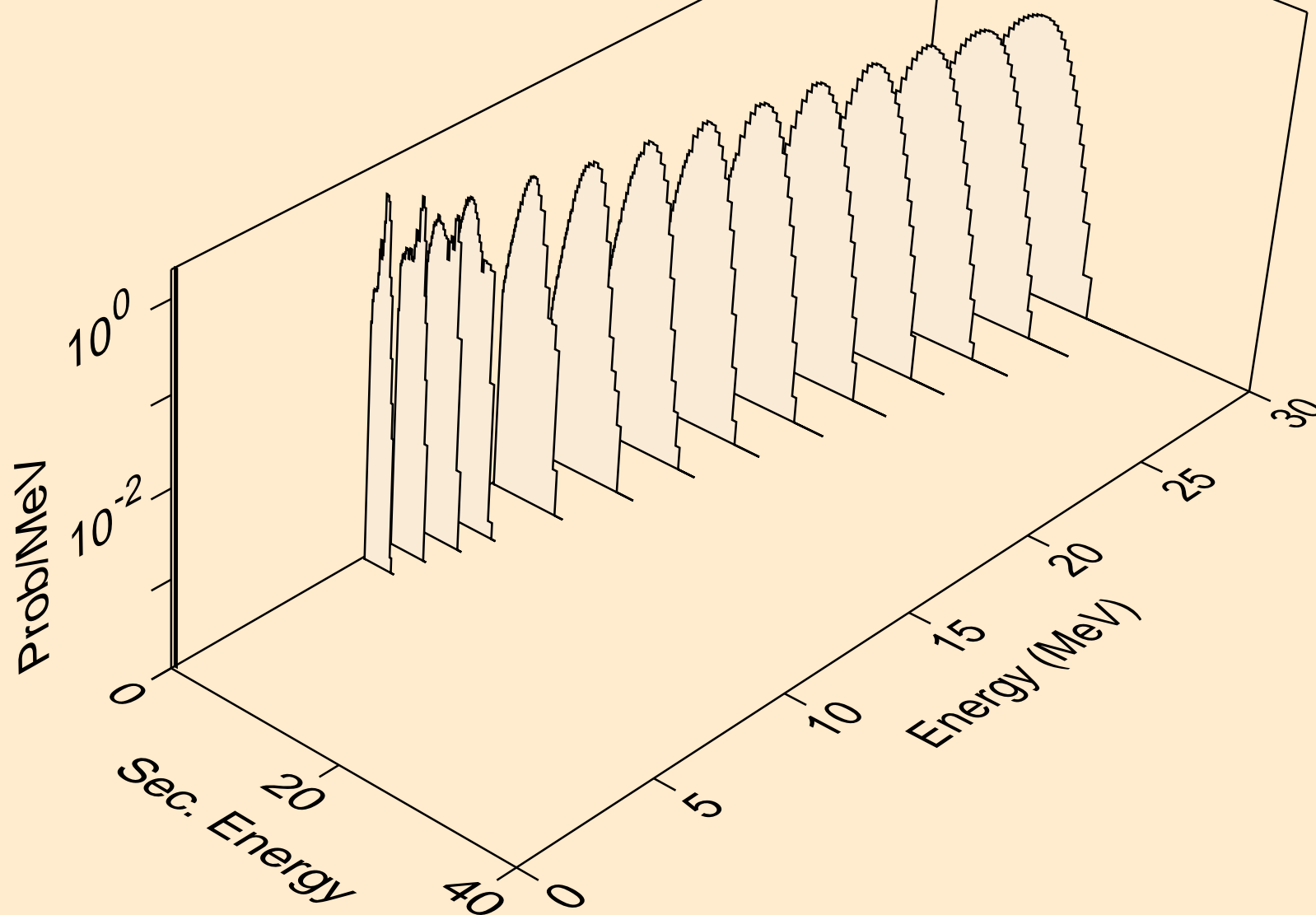
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deuterons from (s,d)



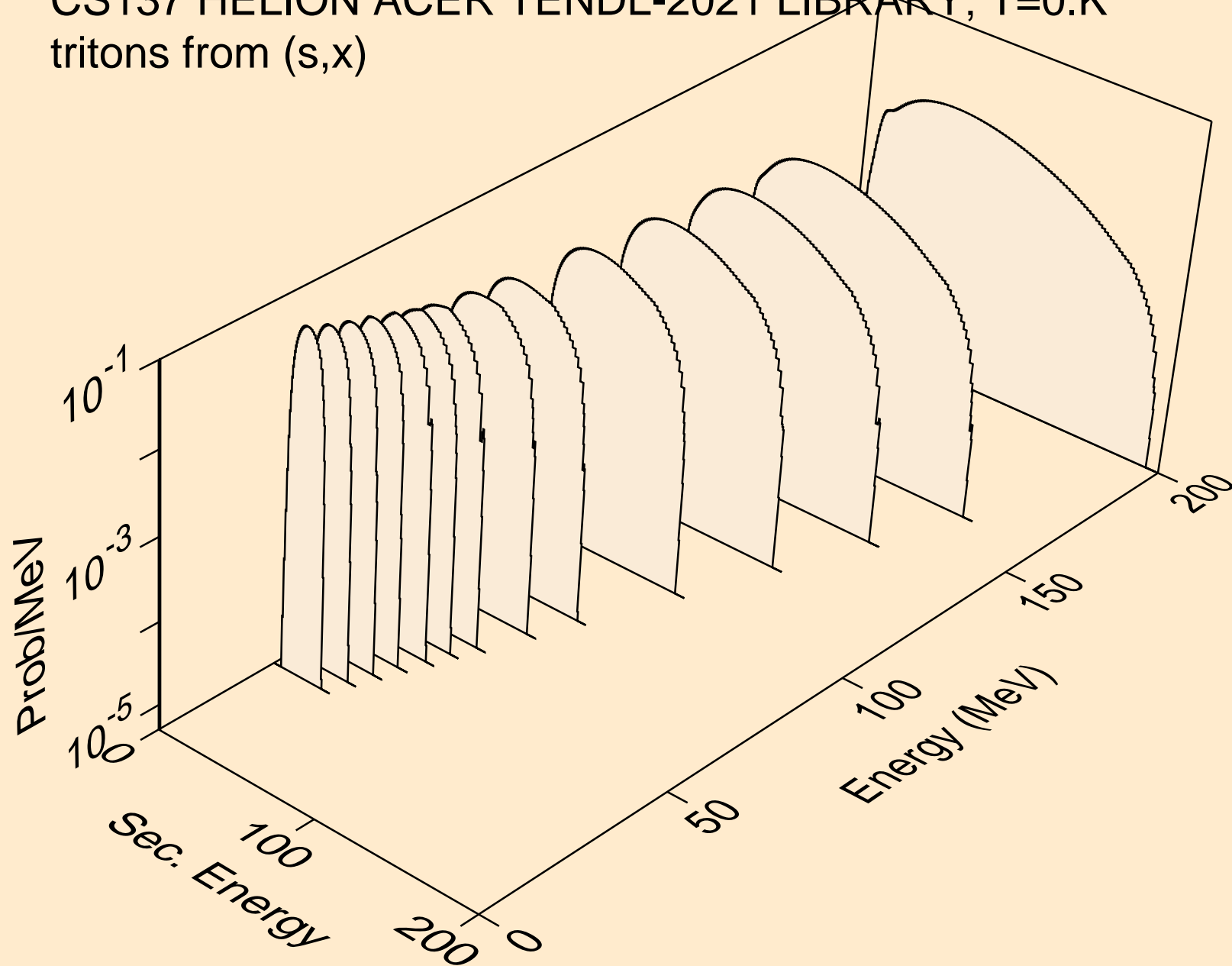
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deuterons from (s,pd)



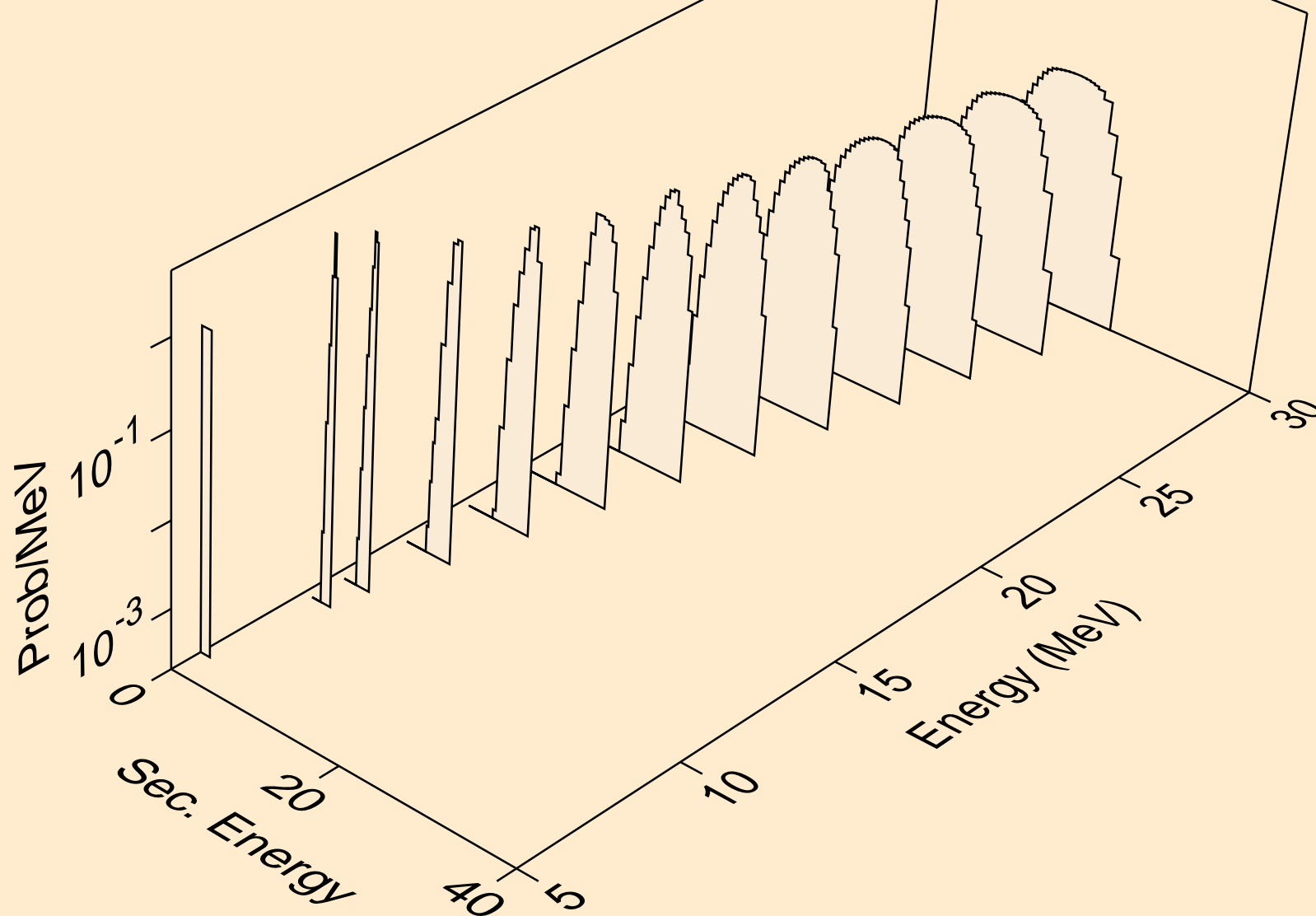
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deuterons from (s,da)



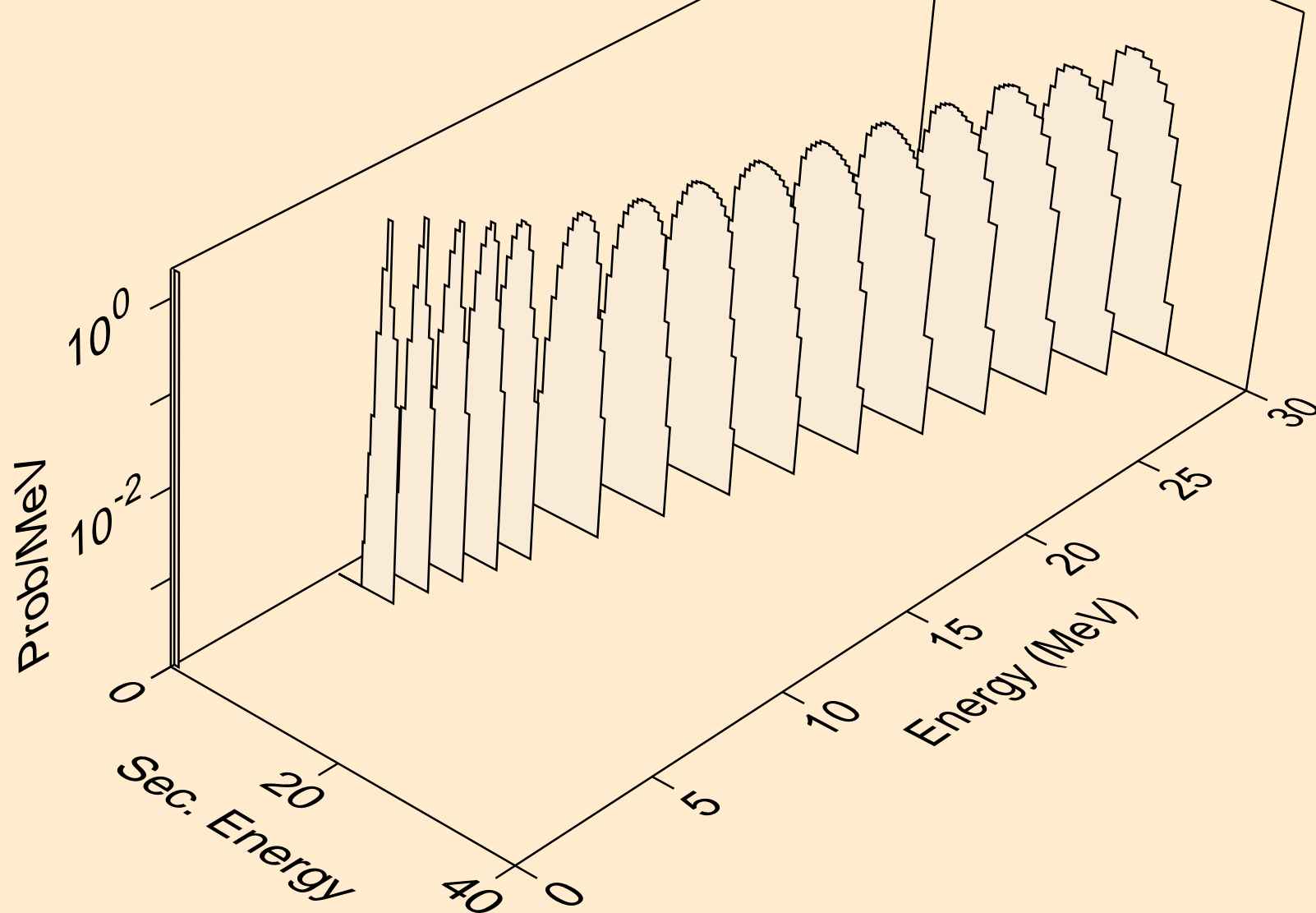
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,x)



CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,n\*)t

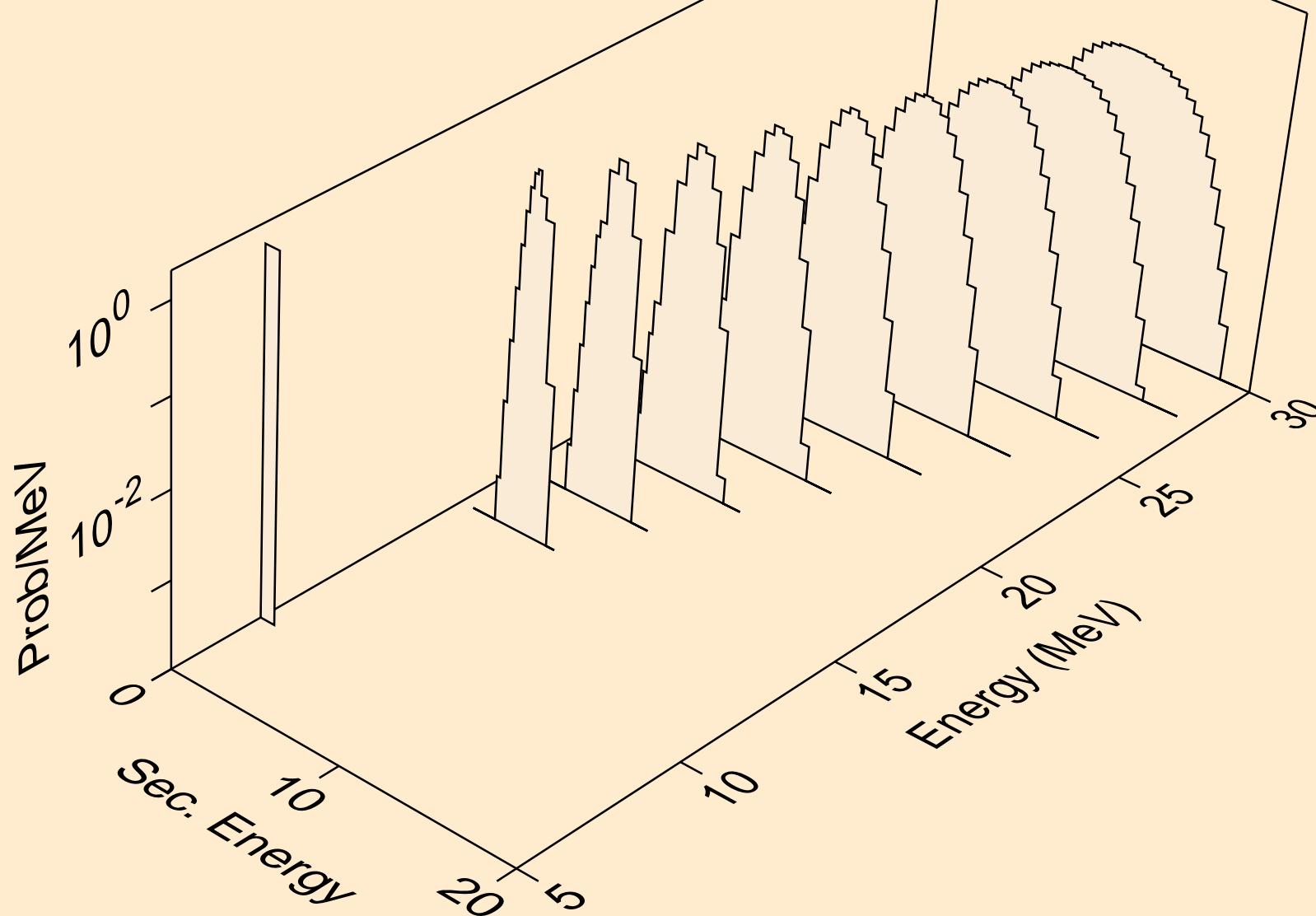


CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,t)

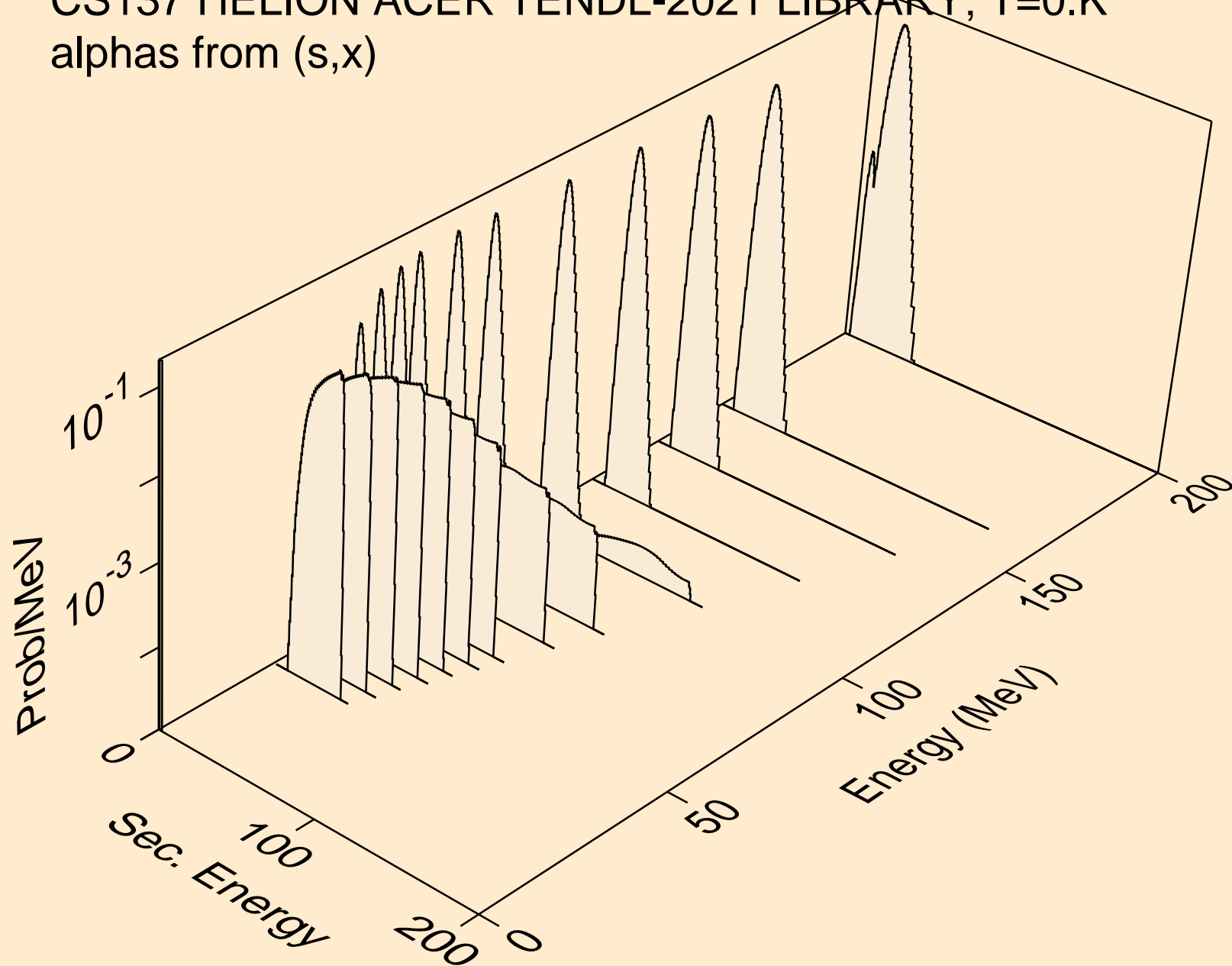




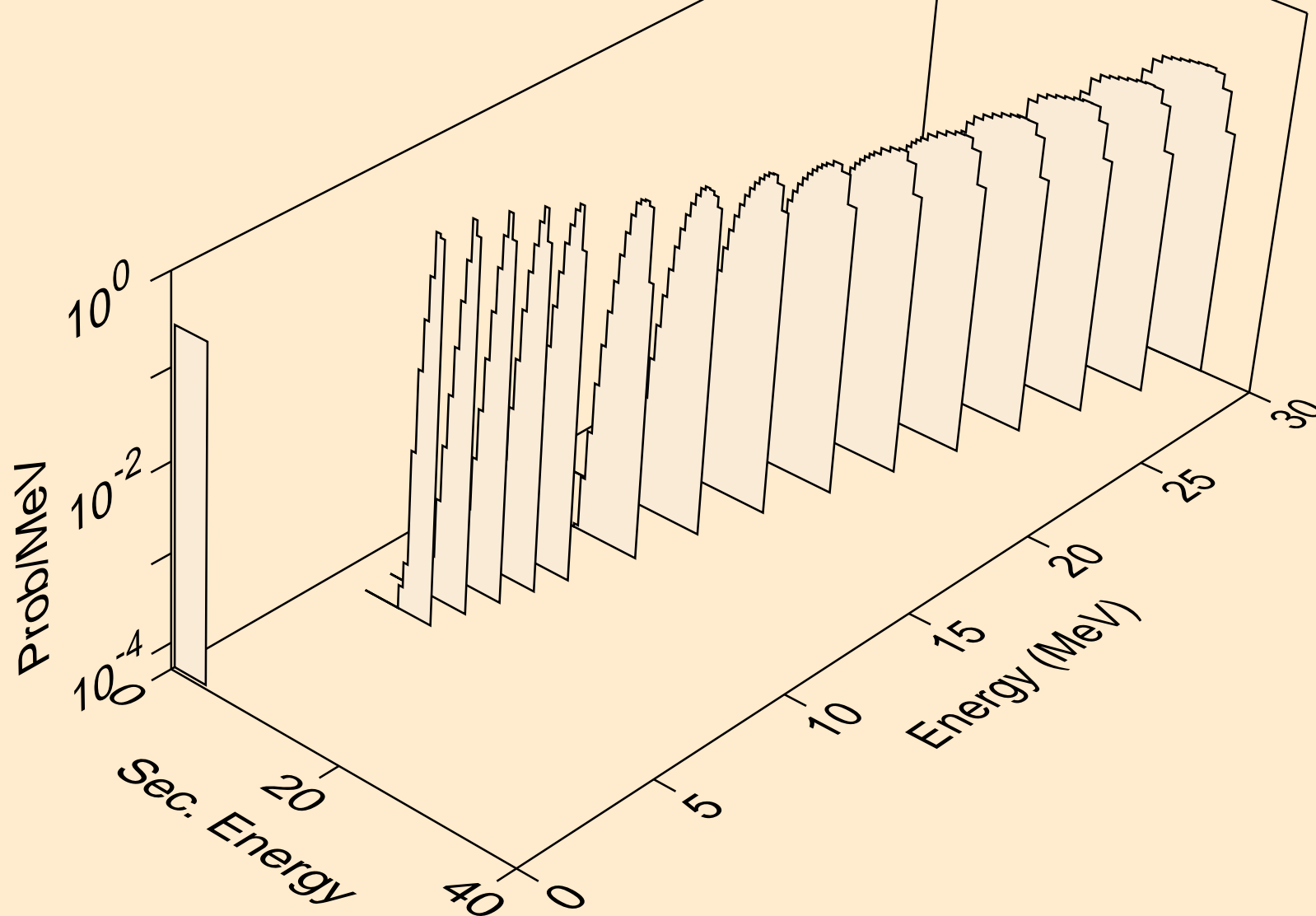
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,pt)



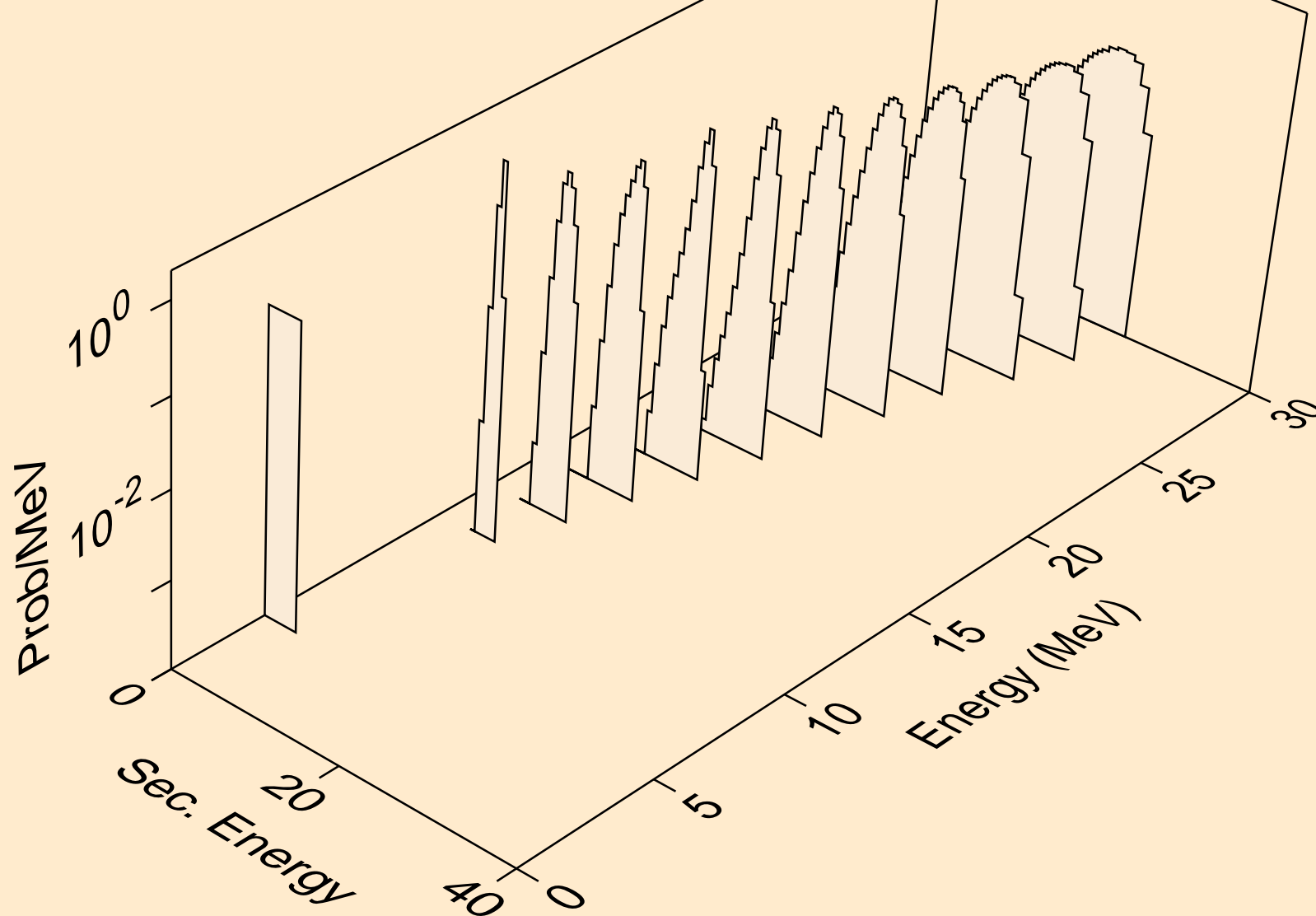
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,x)



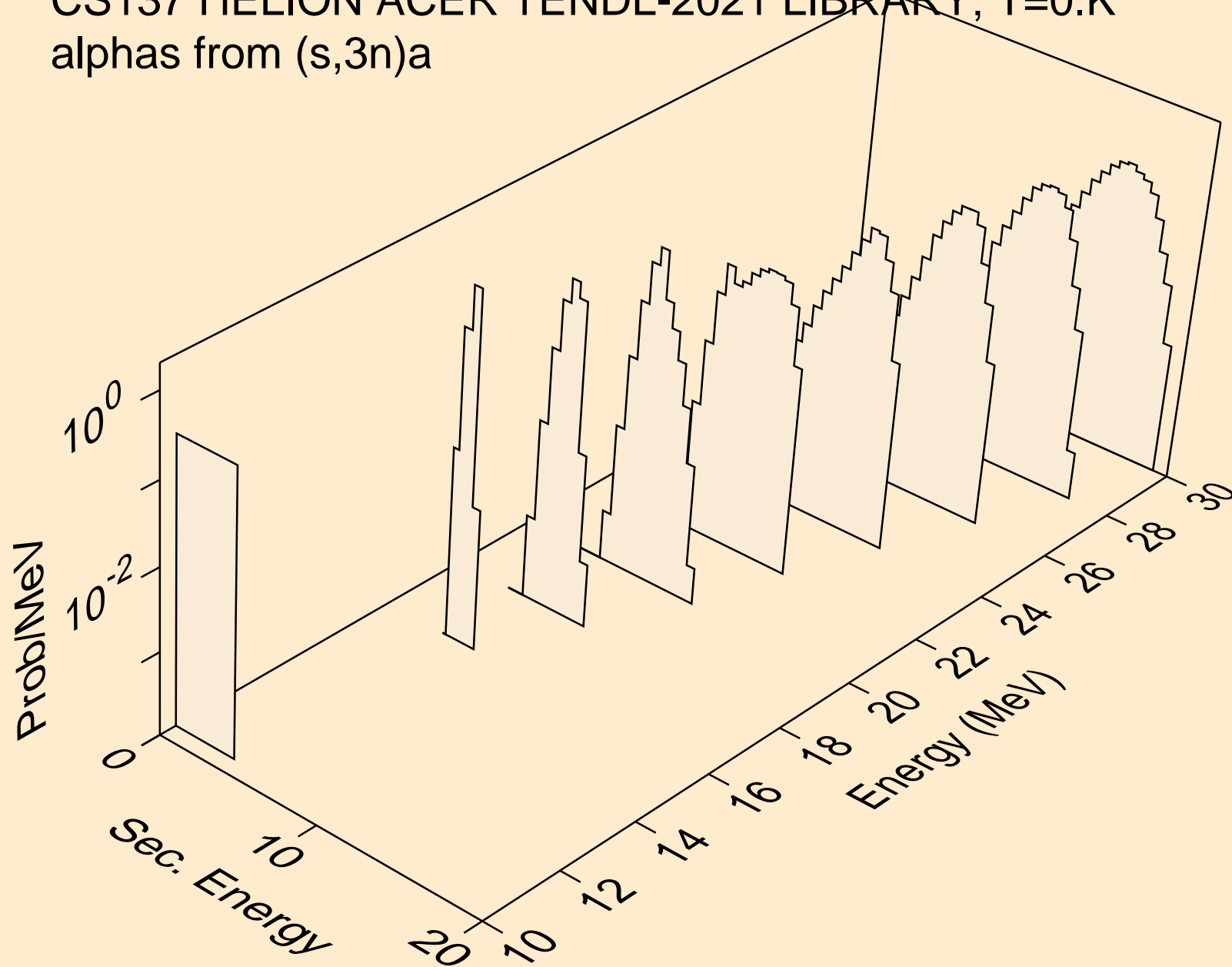
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,n\*)a



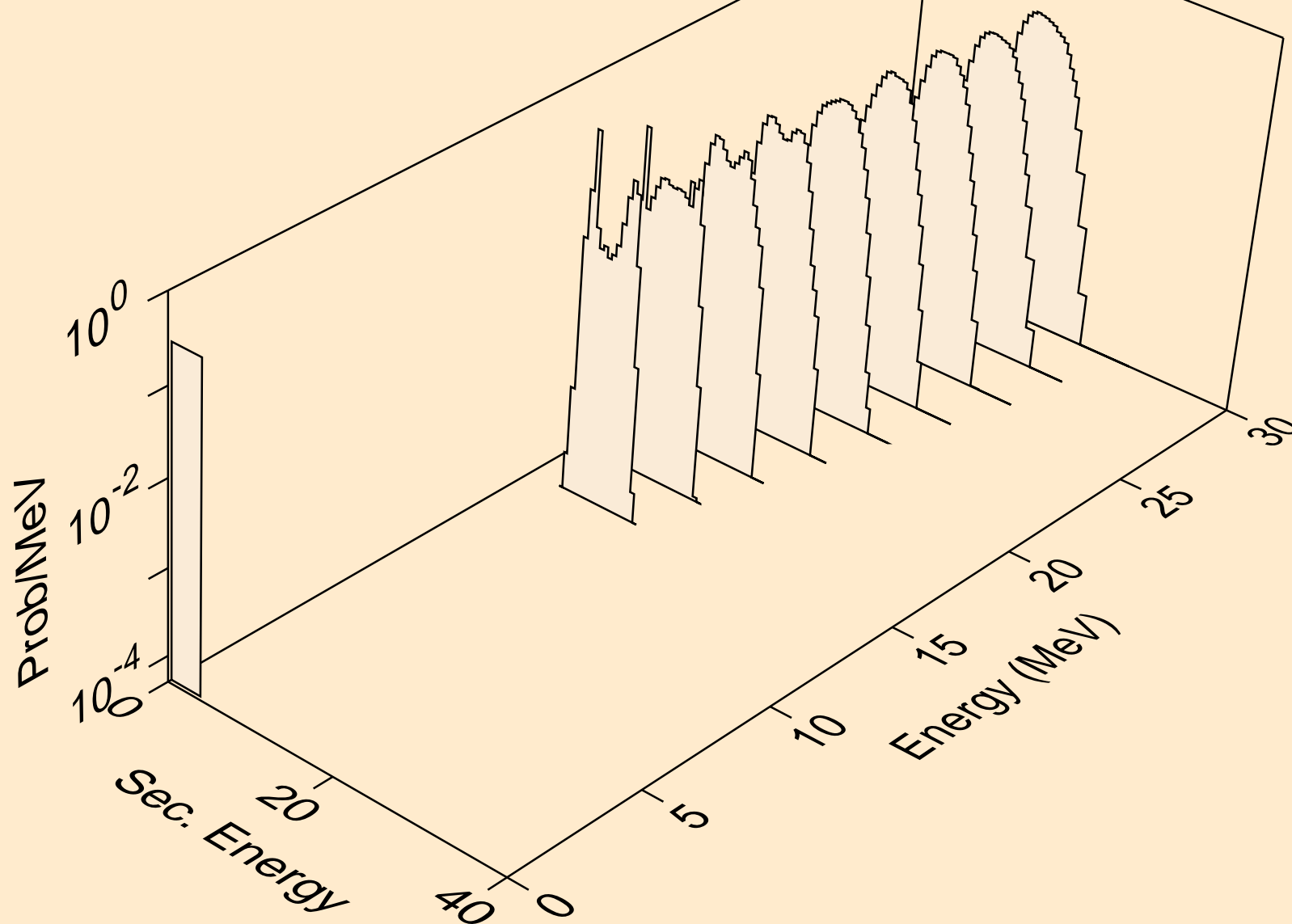
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,2n)a



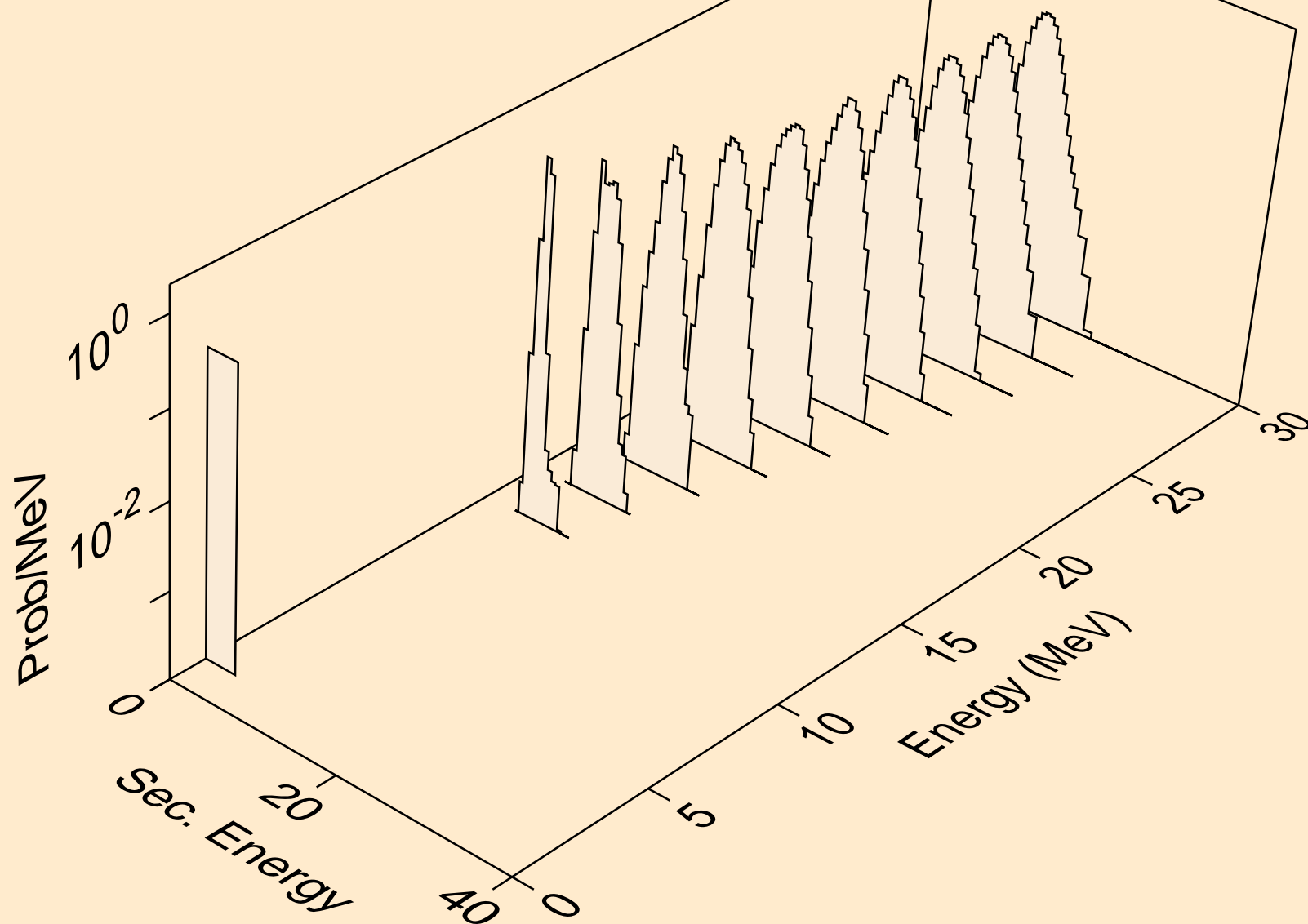
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alphas from (s,3n)a



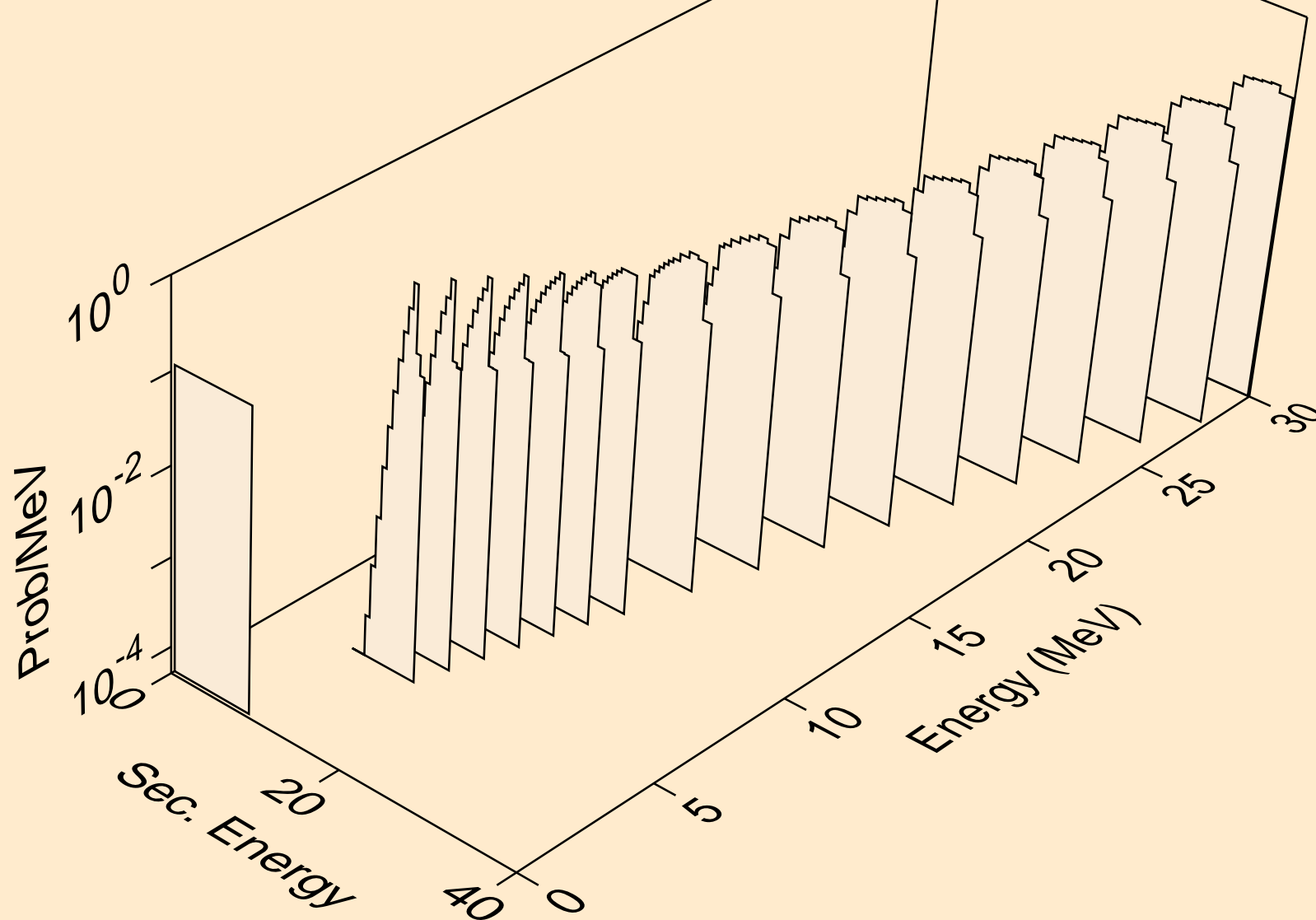
CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,n\*)2a



CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,npa)

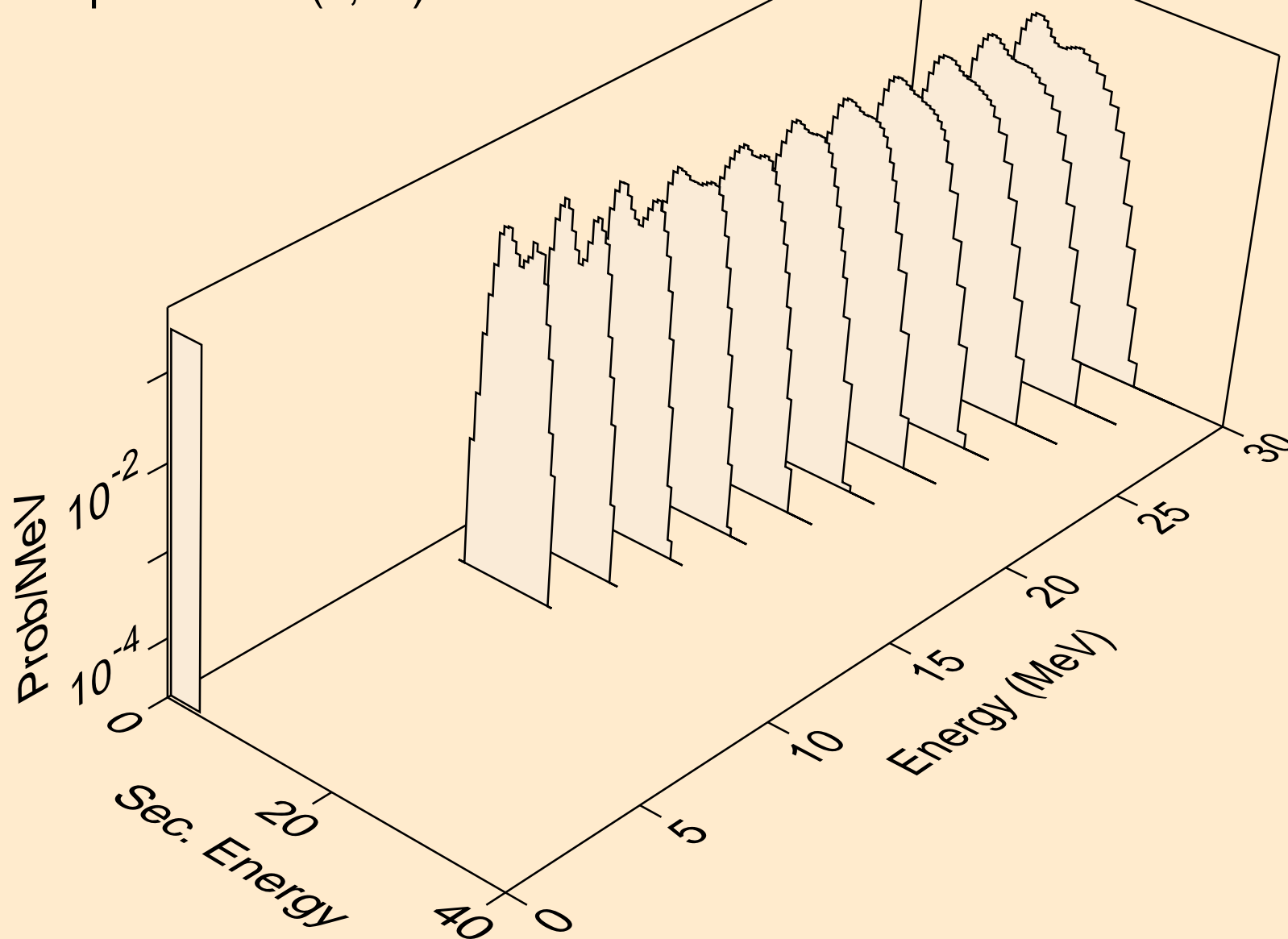


CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,a)

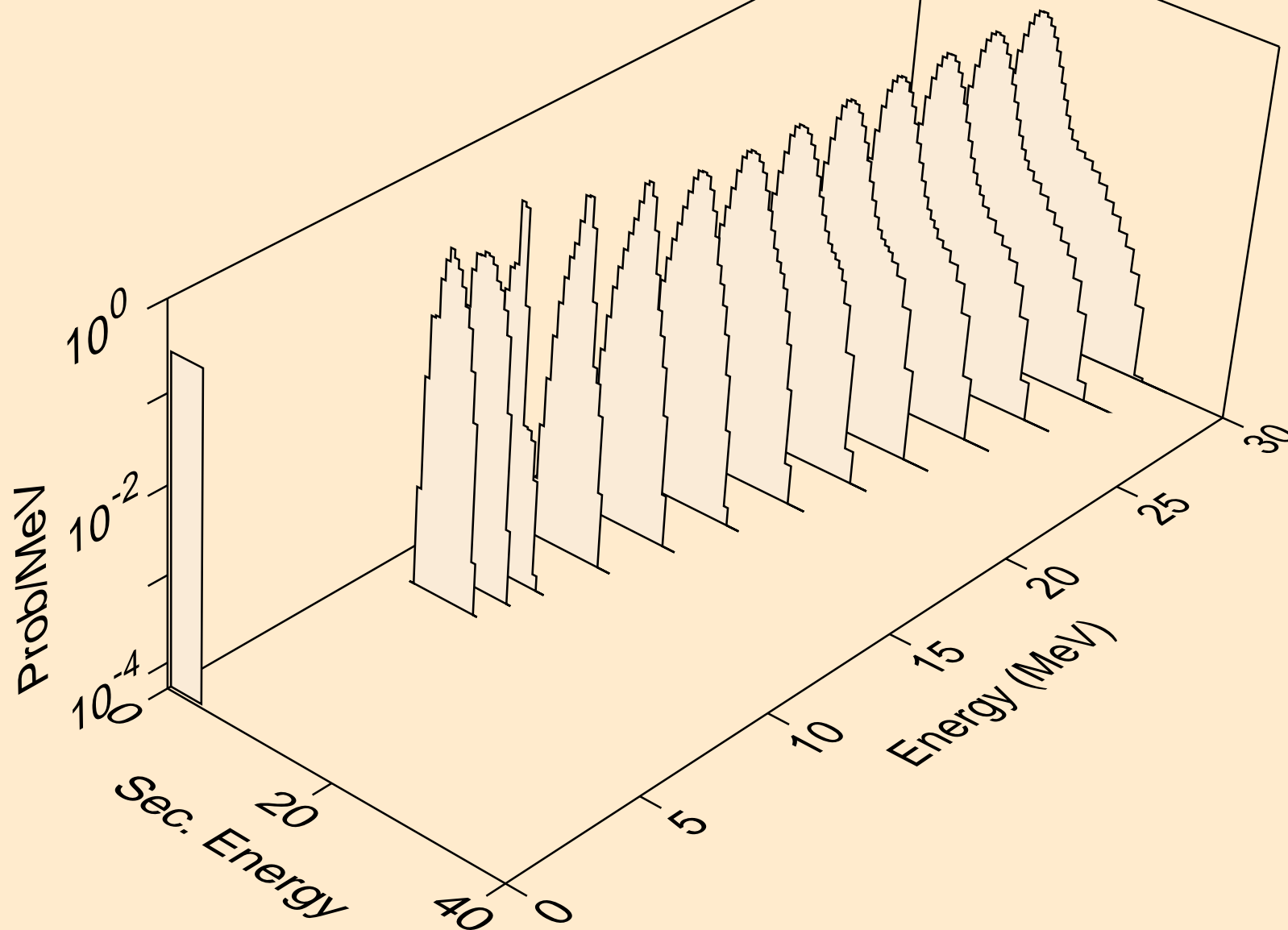




CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,2a)



CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,pa)



CS137 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,da)

