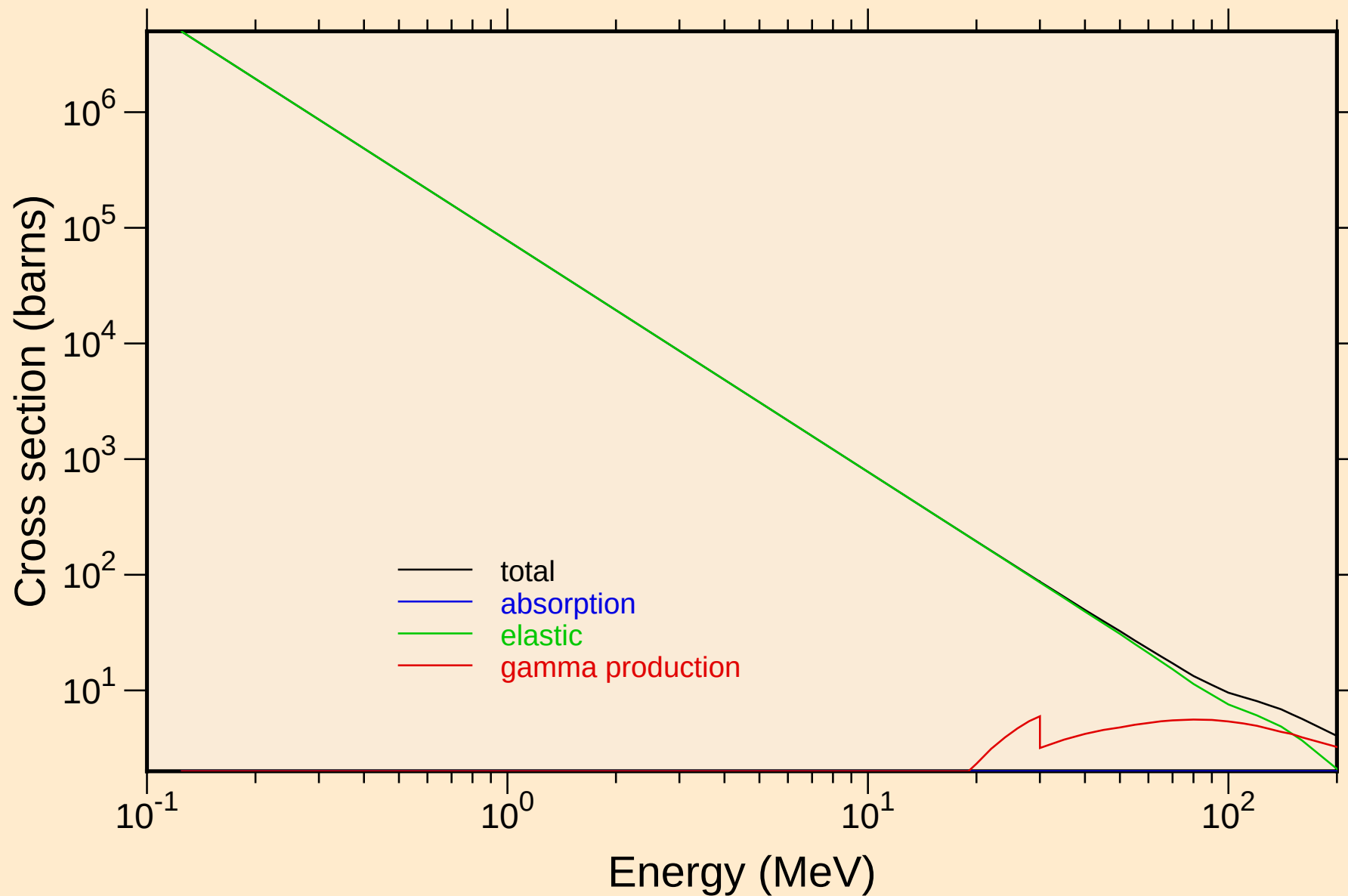


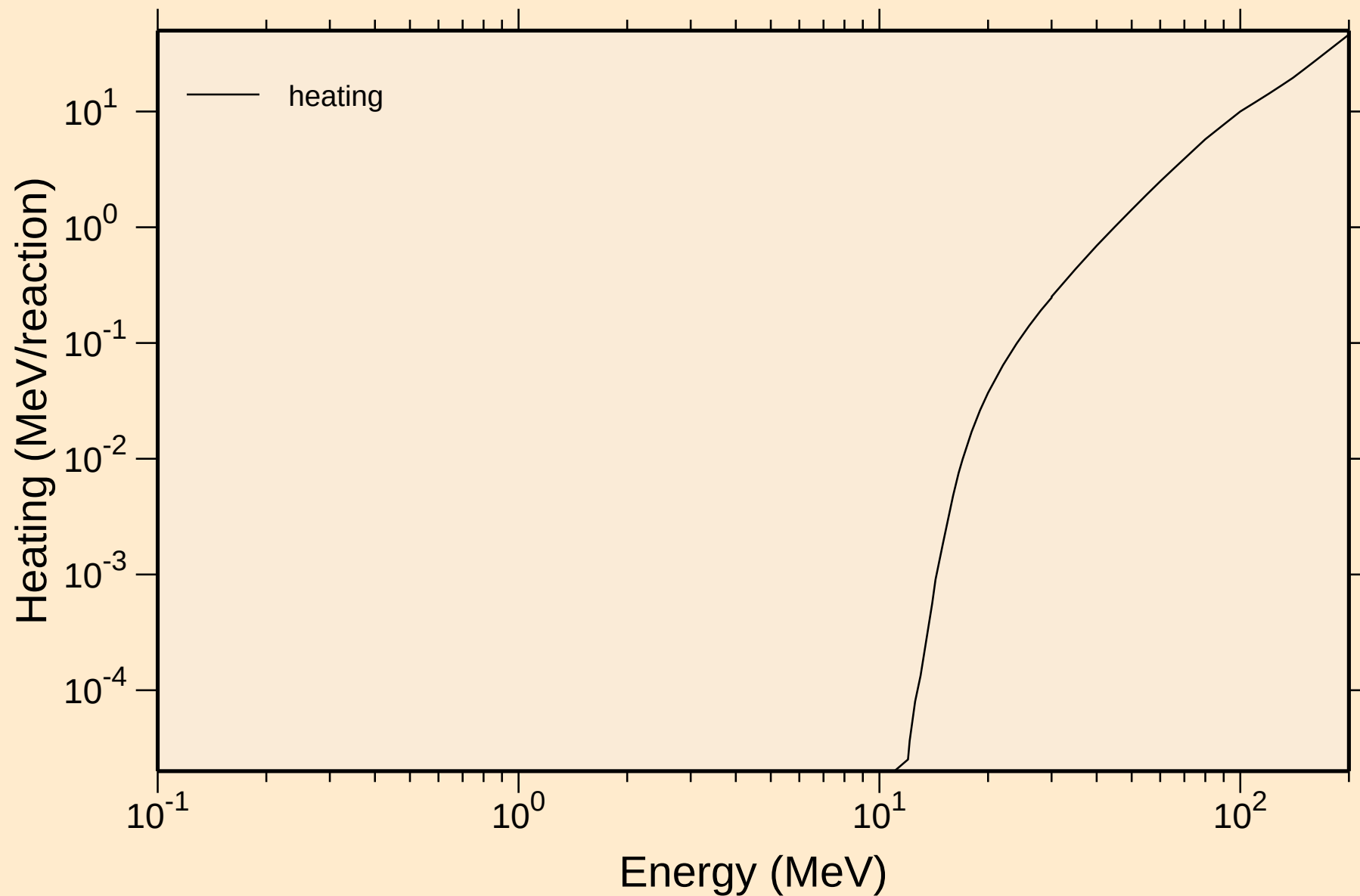
# CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



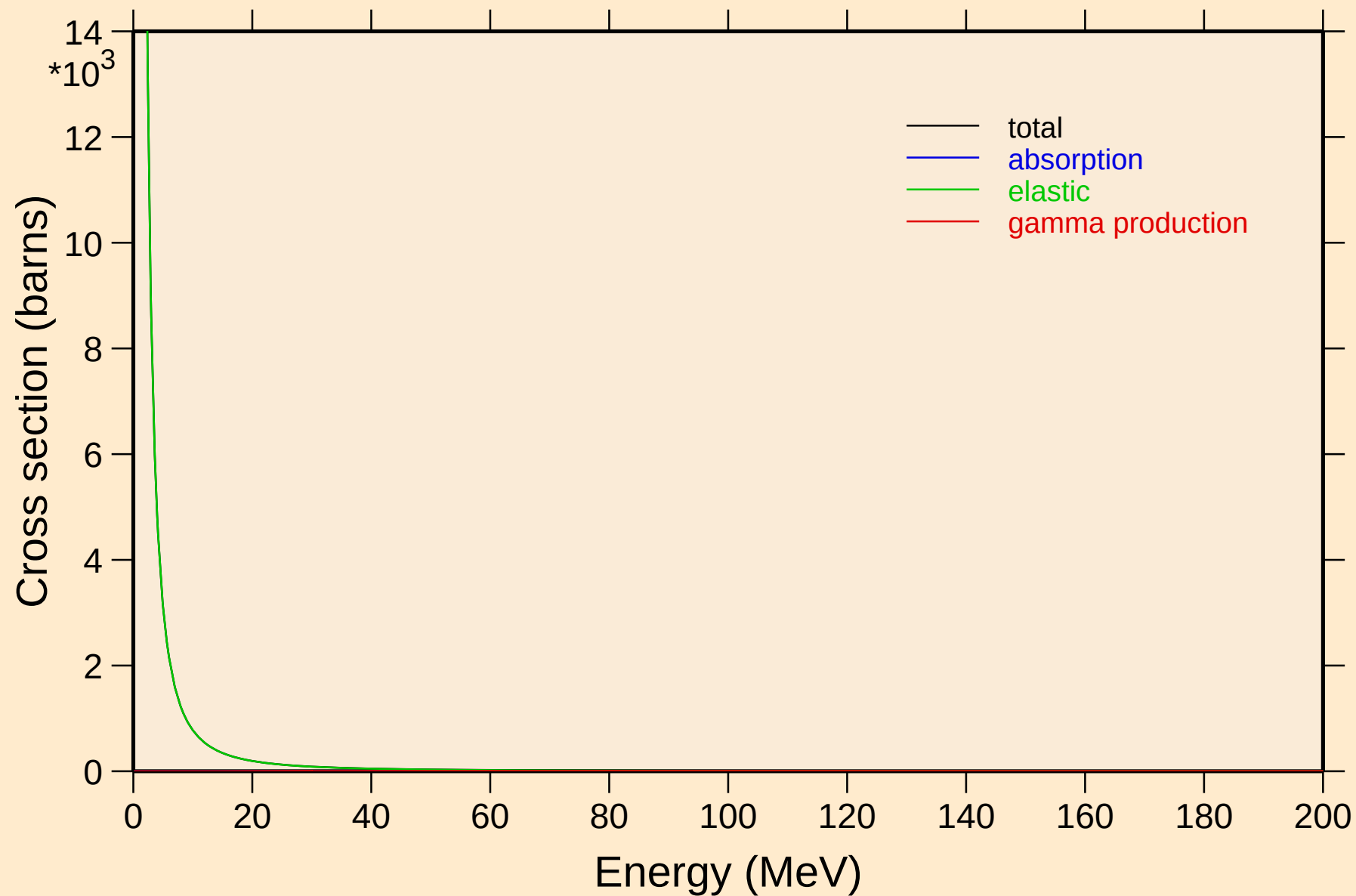
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K

Heating



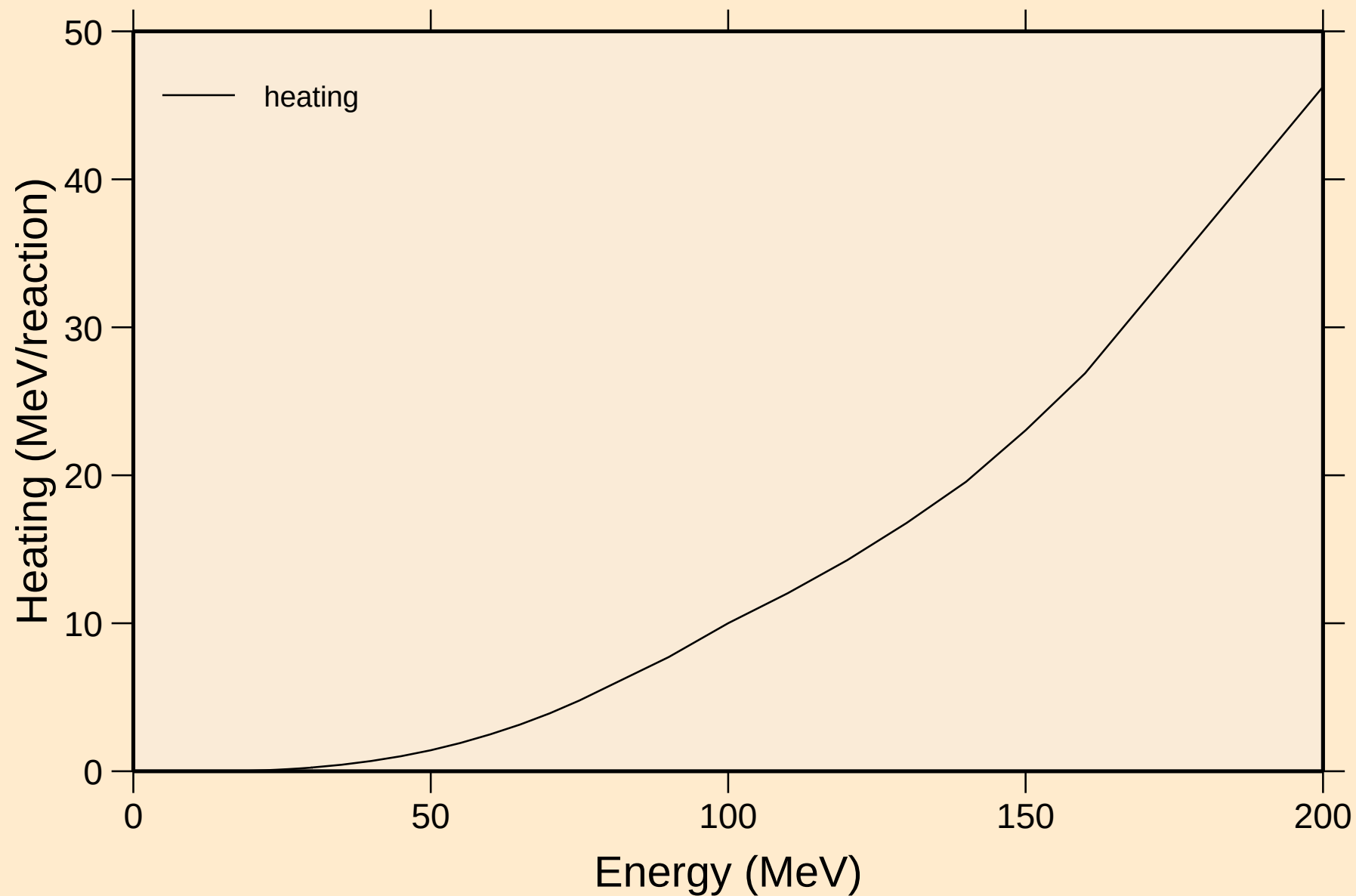
# CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



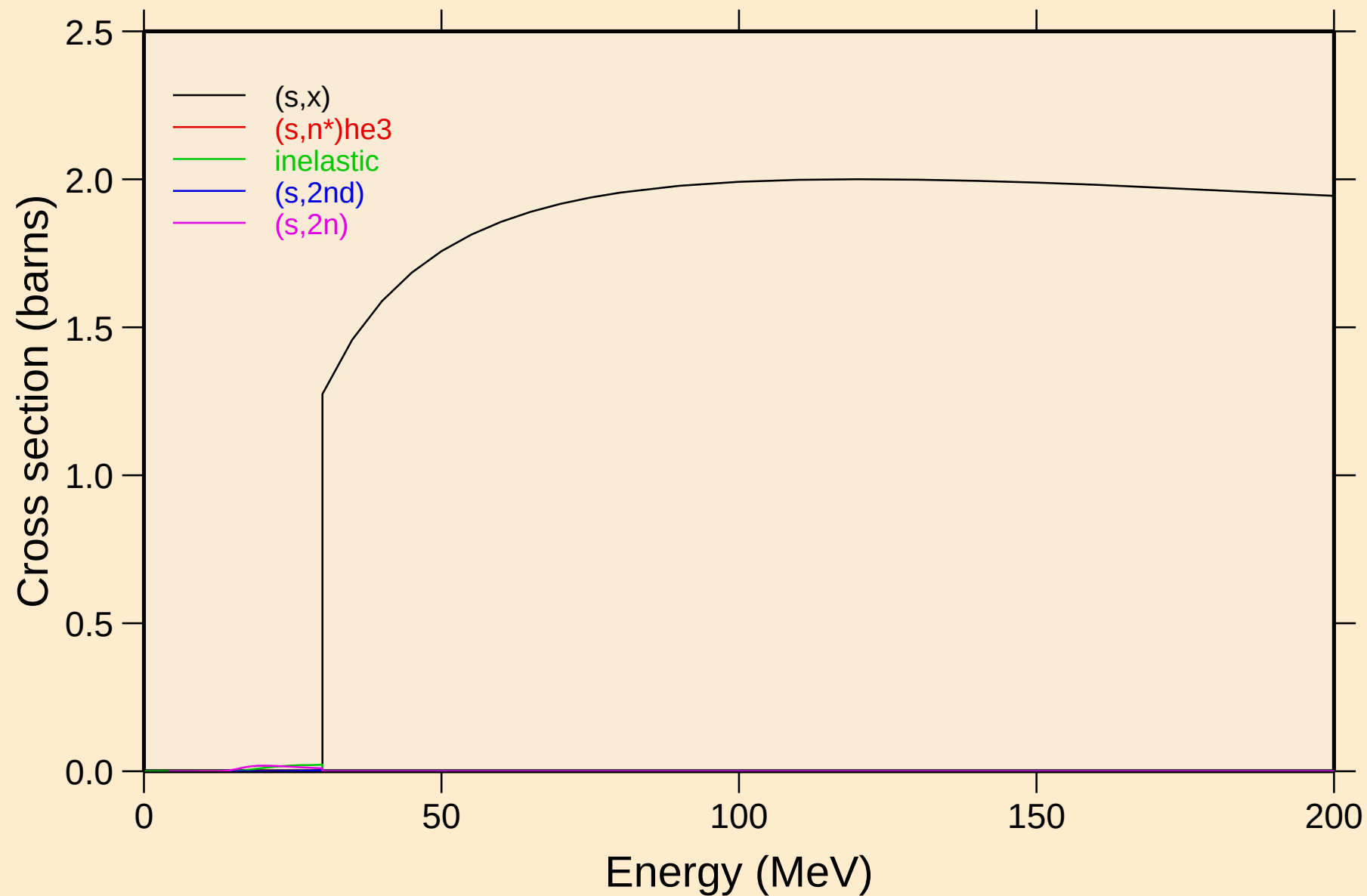
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K

Heating



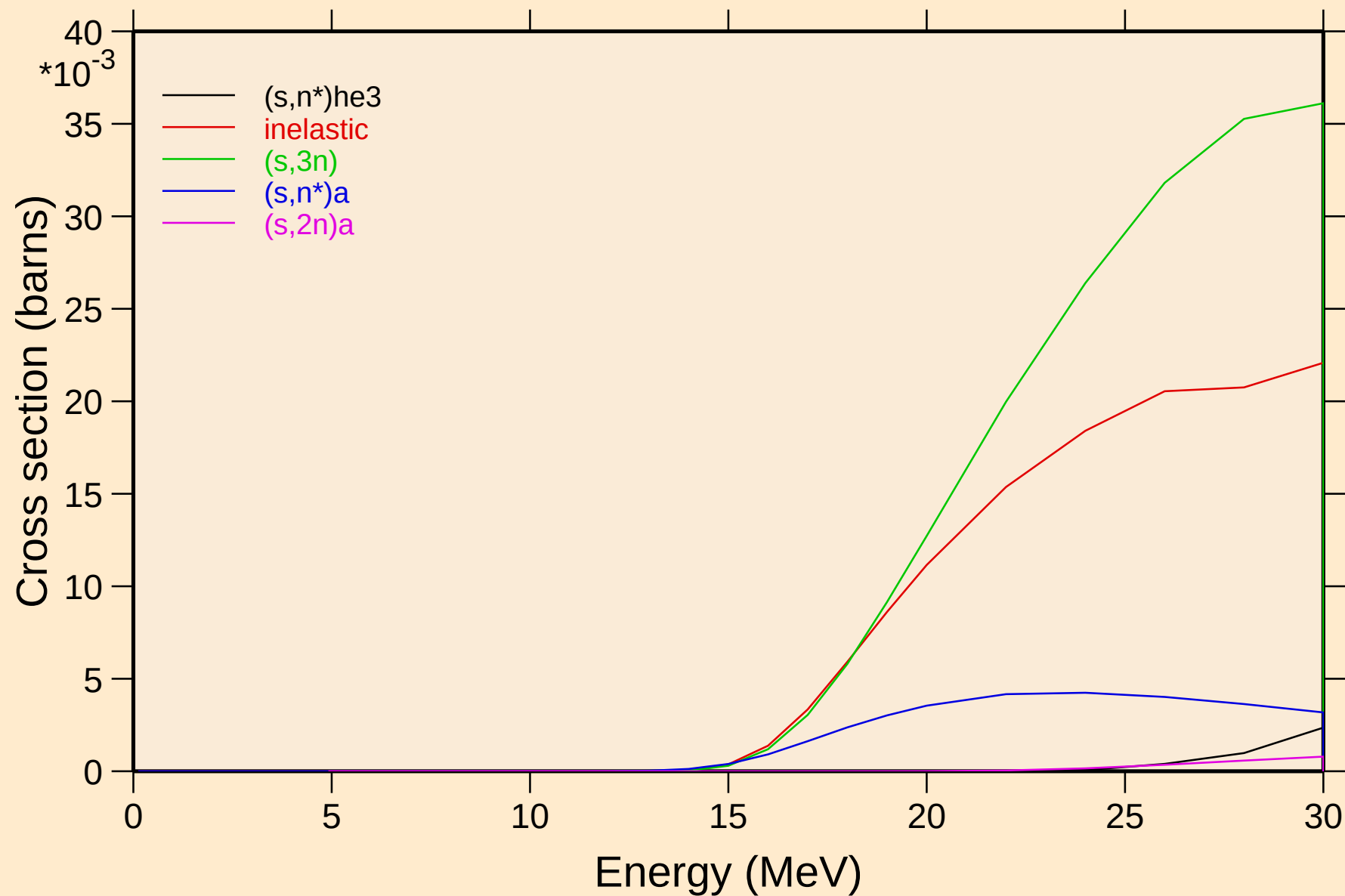
# CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K

Threshold reactions



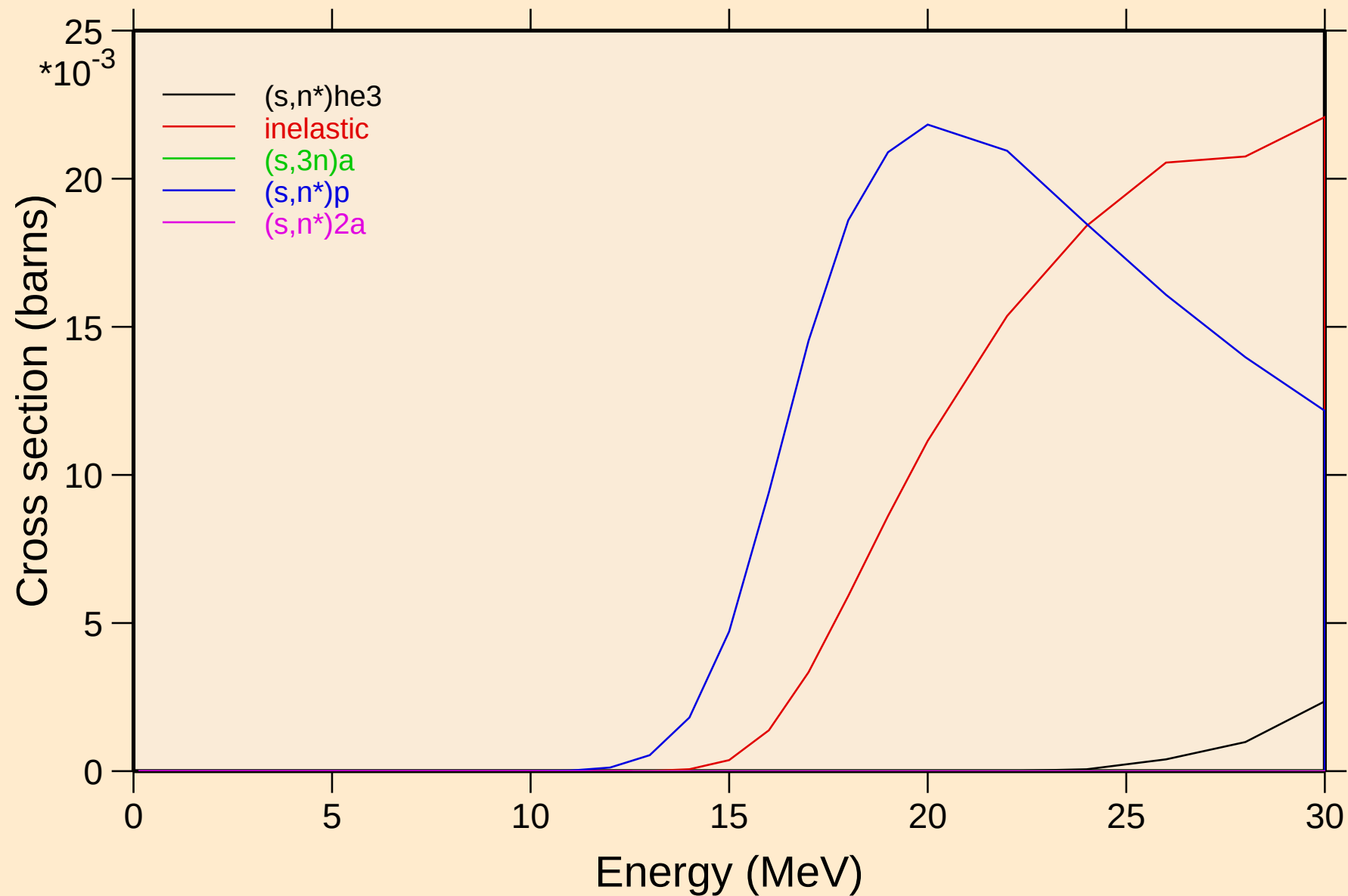
# CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



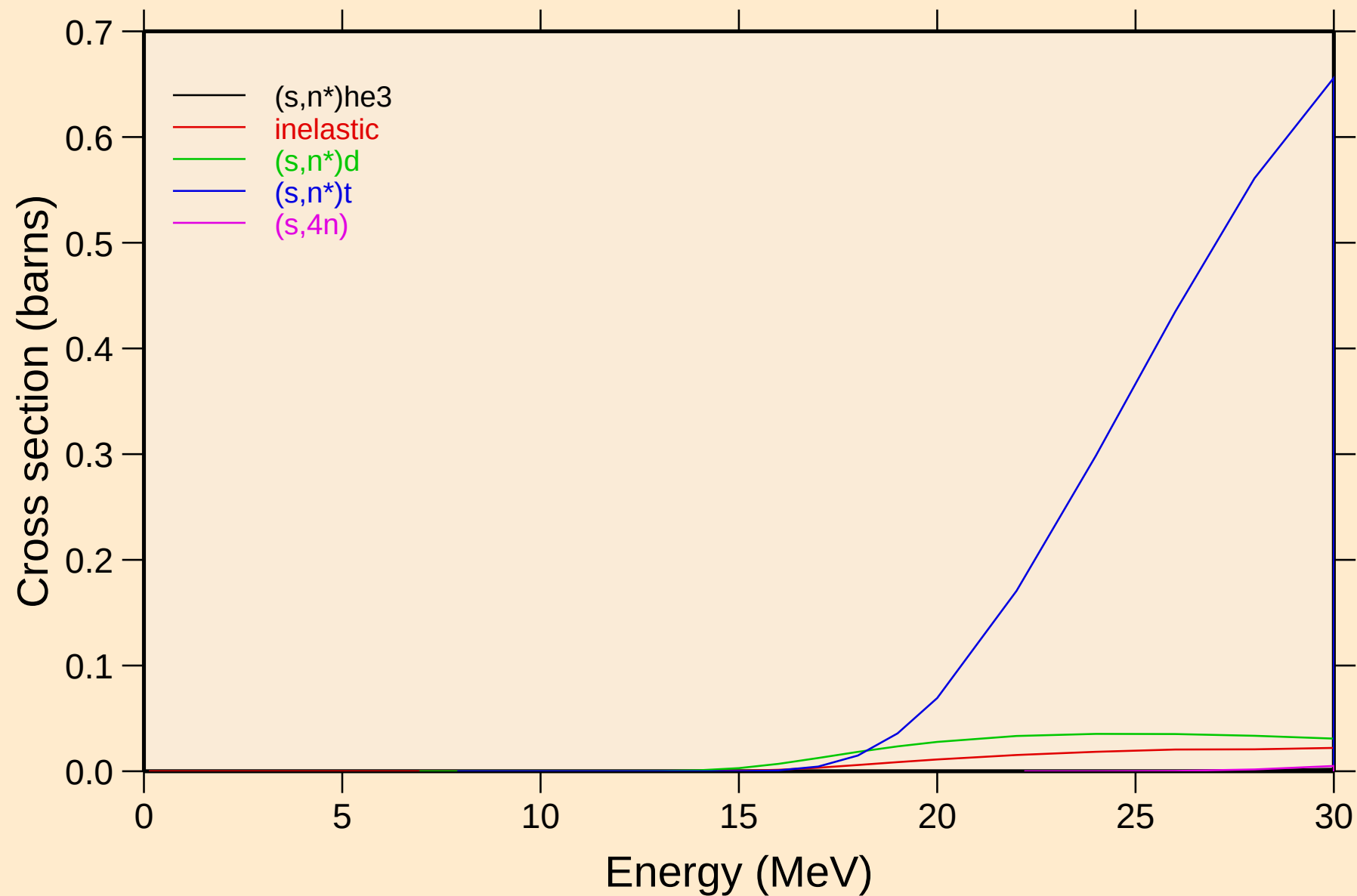
# CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



# CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K

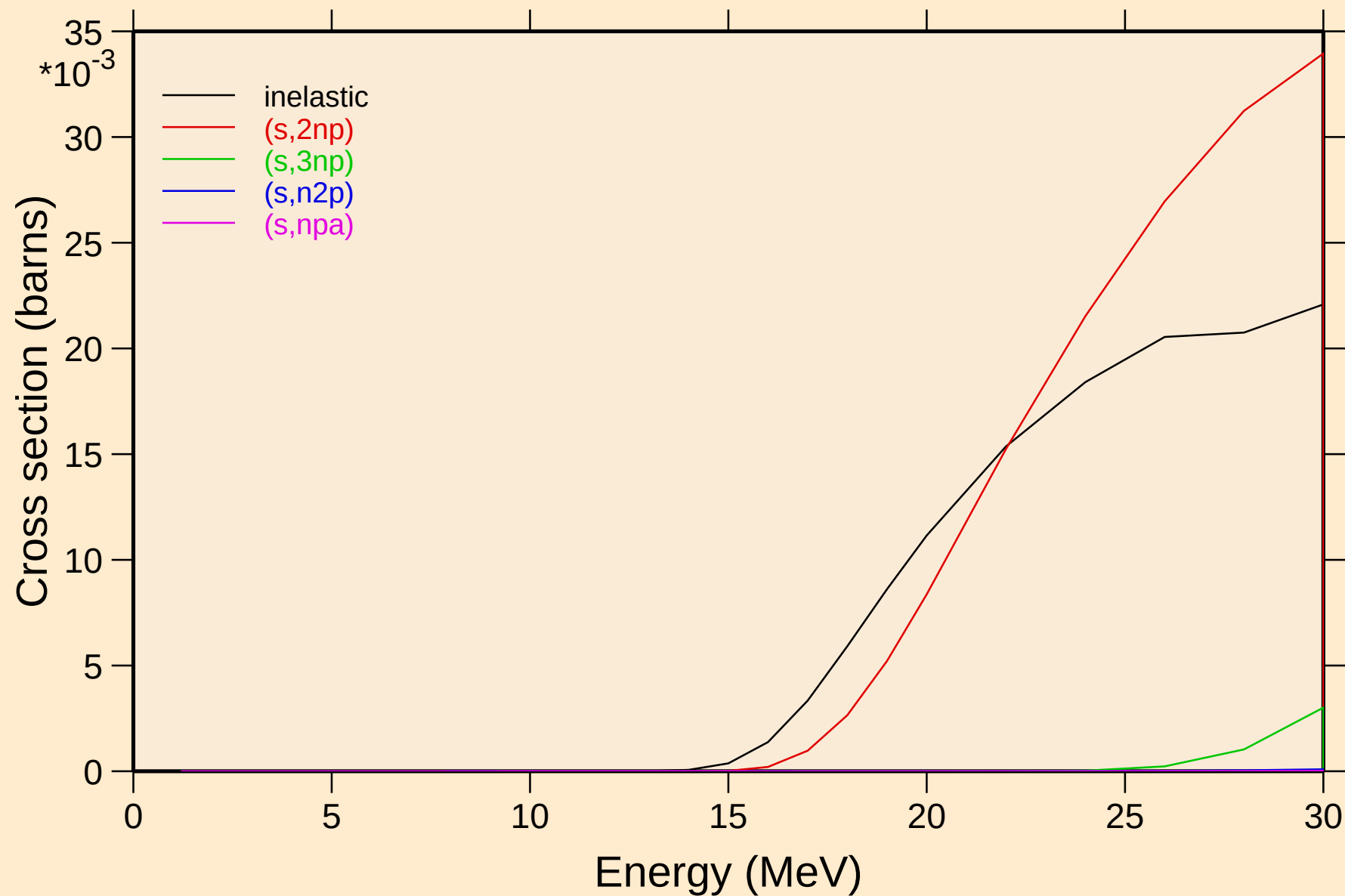
## Threshold reactions





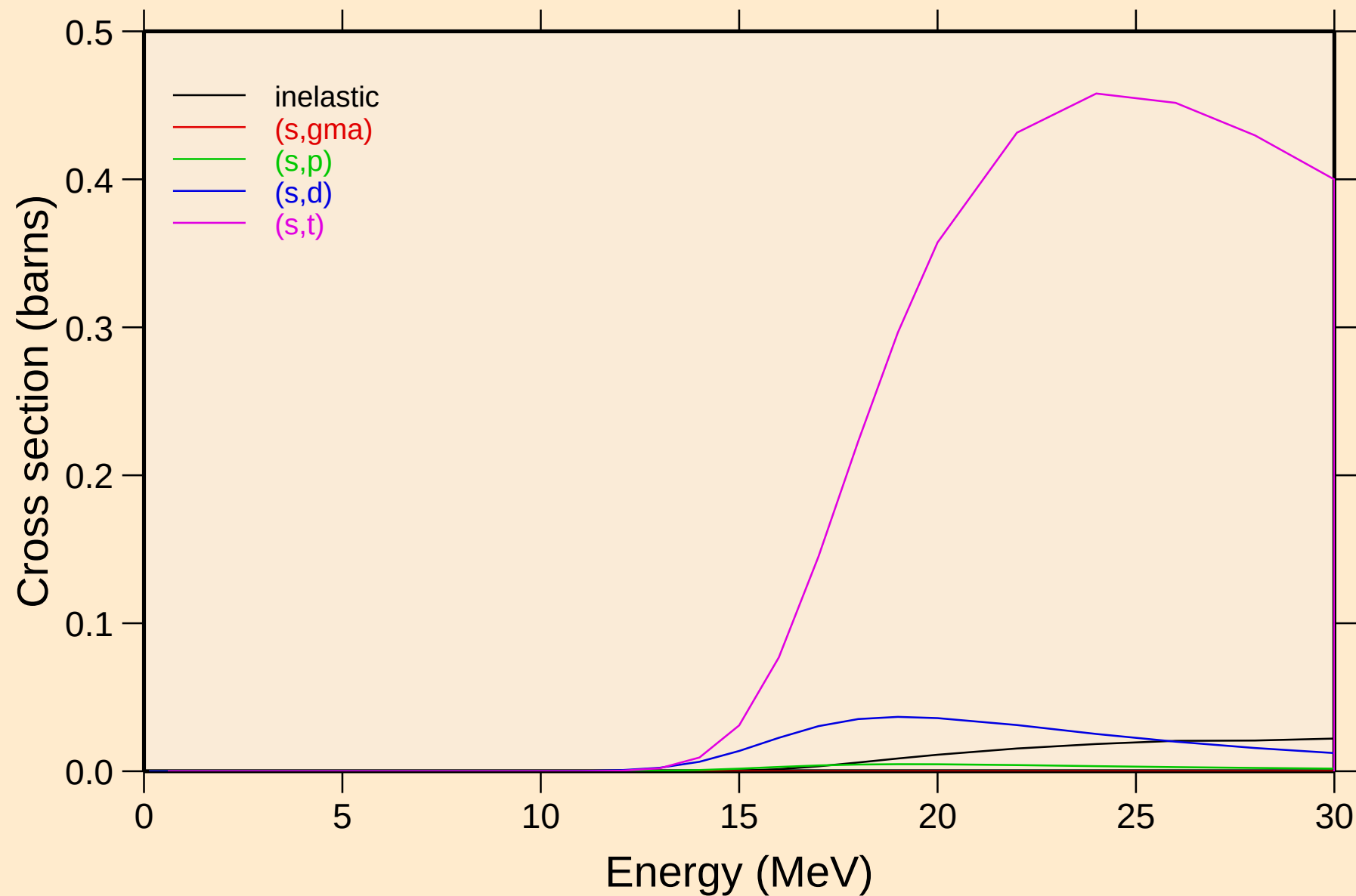
# CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



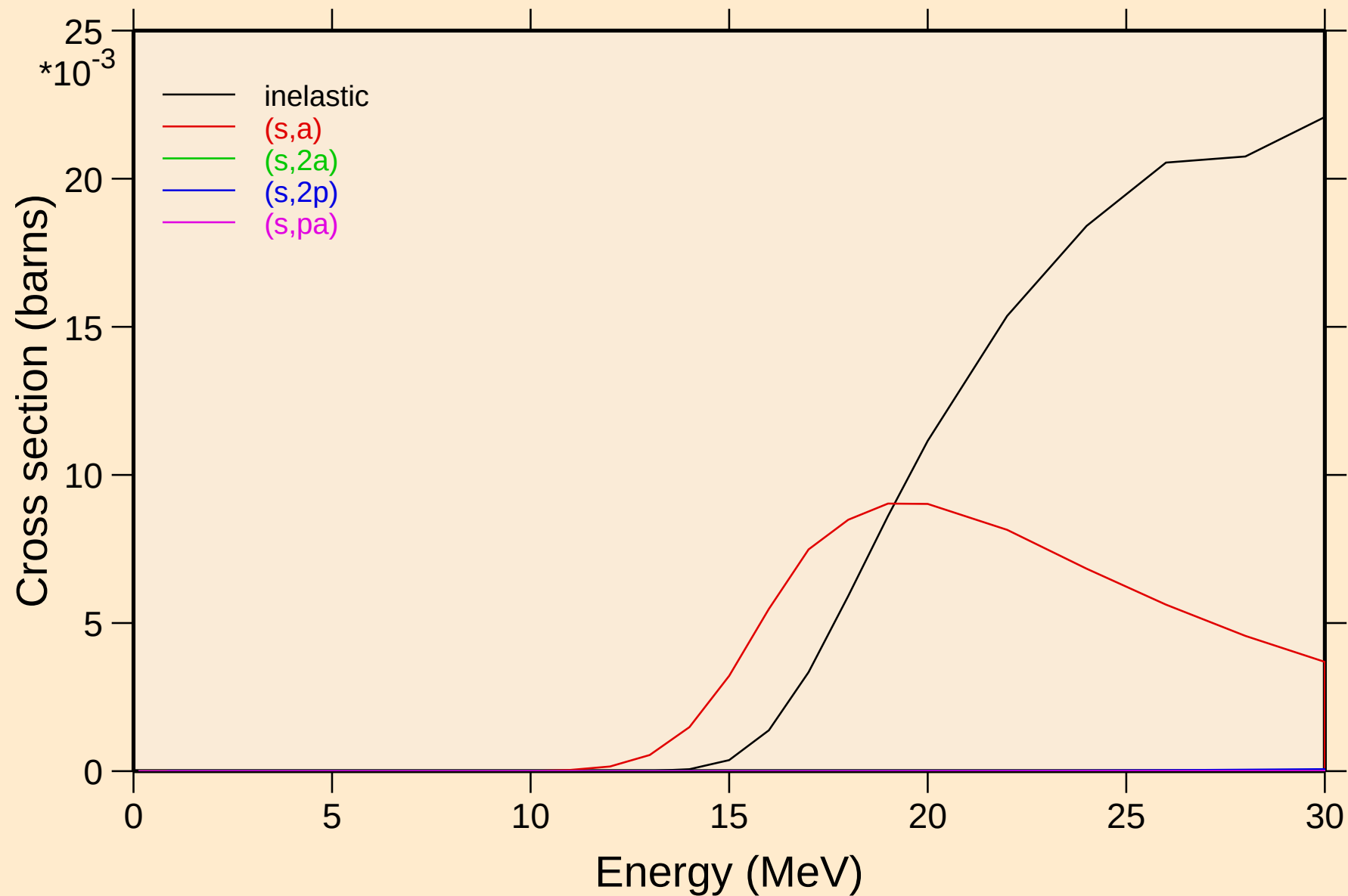
# CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



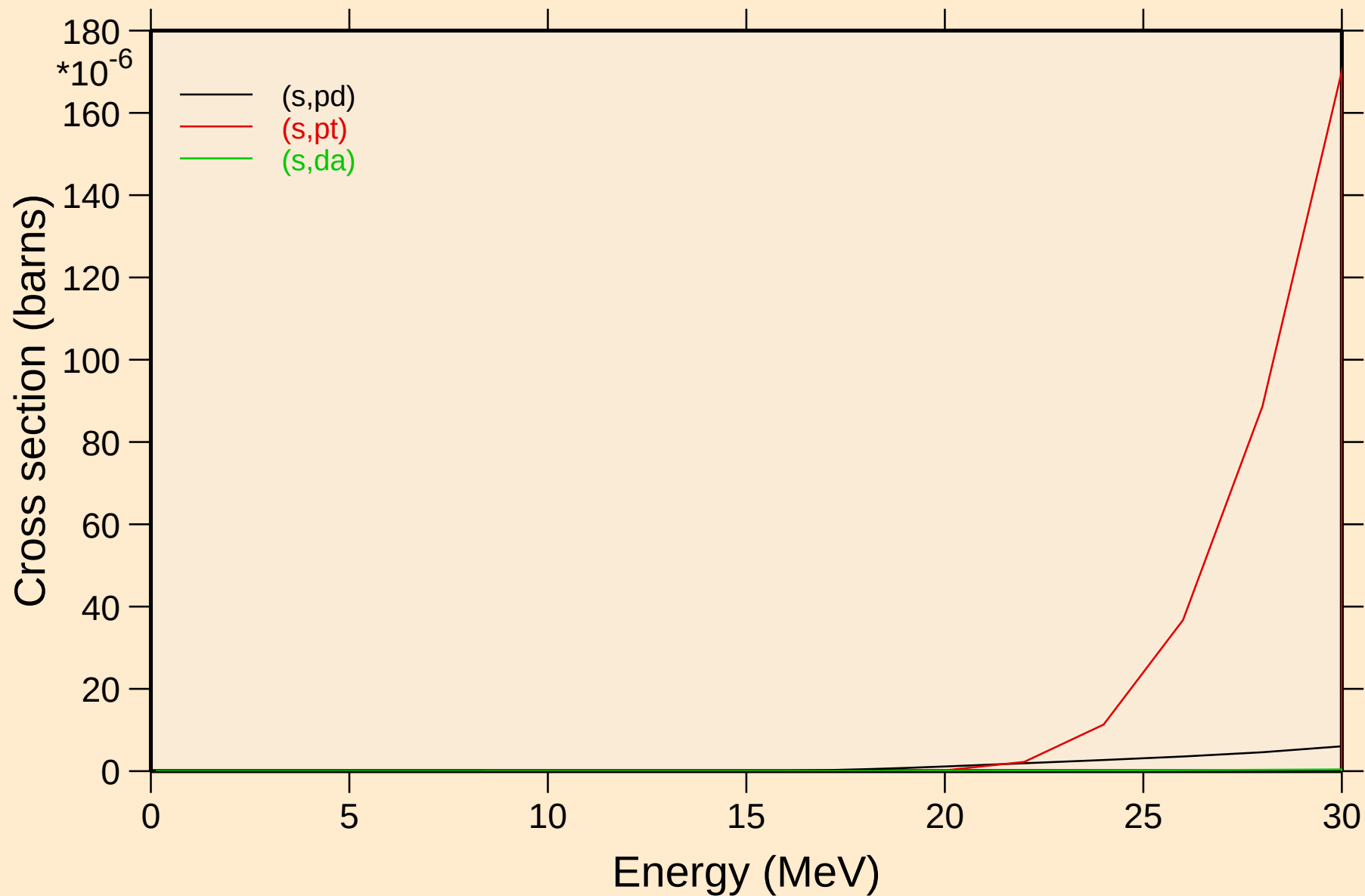
# CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

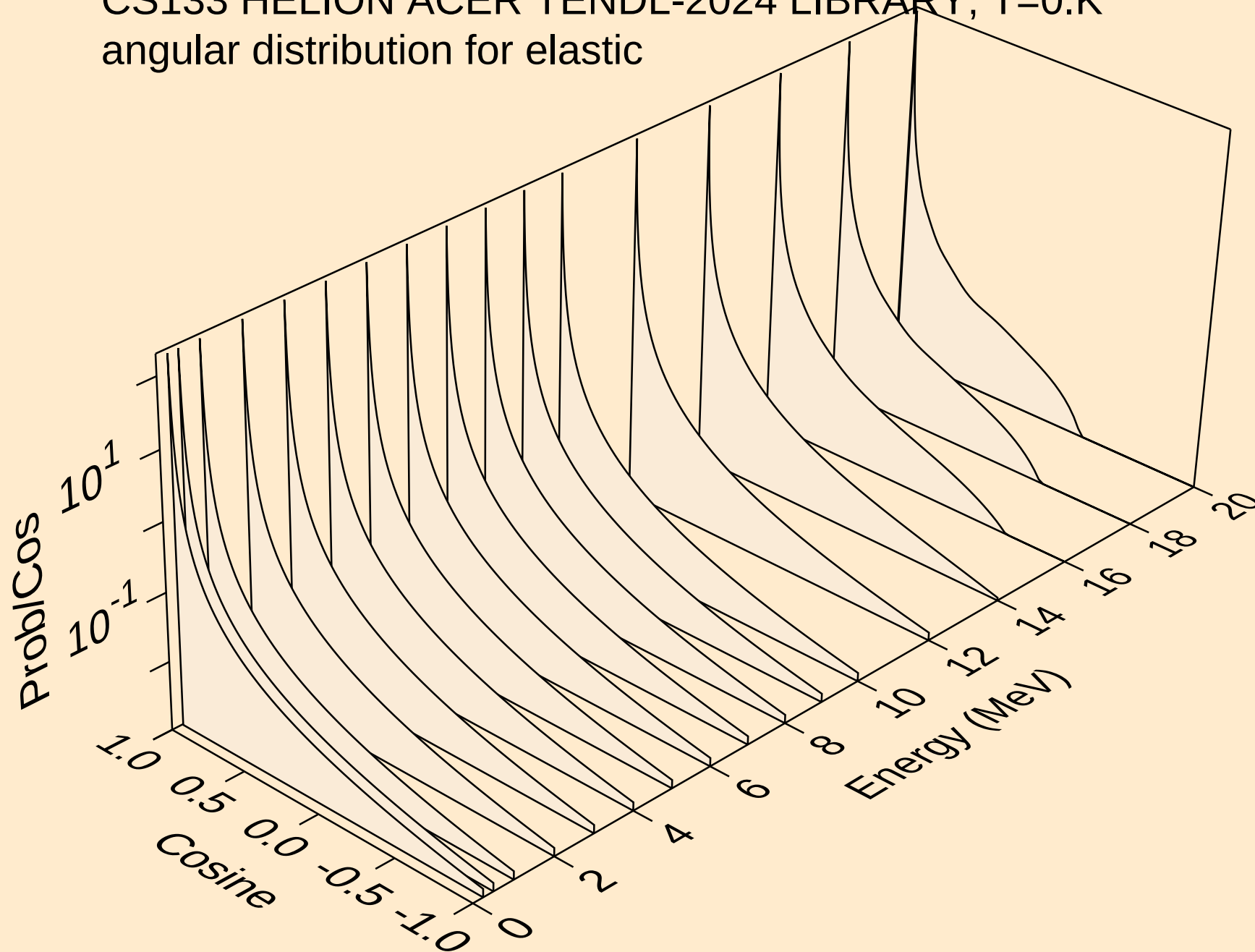


# CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K

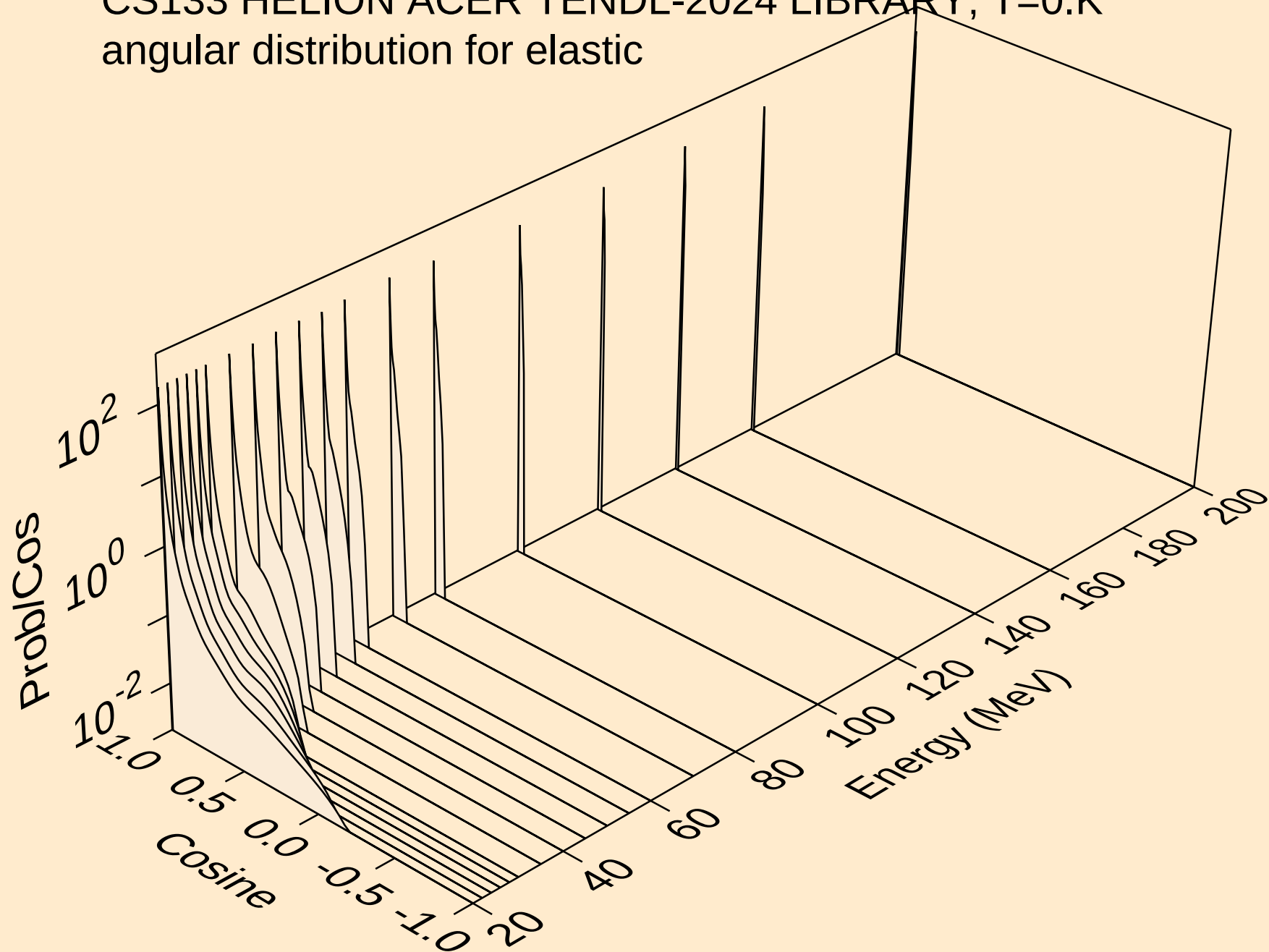
Threshold reactions



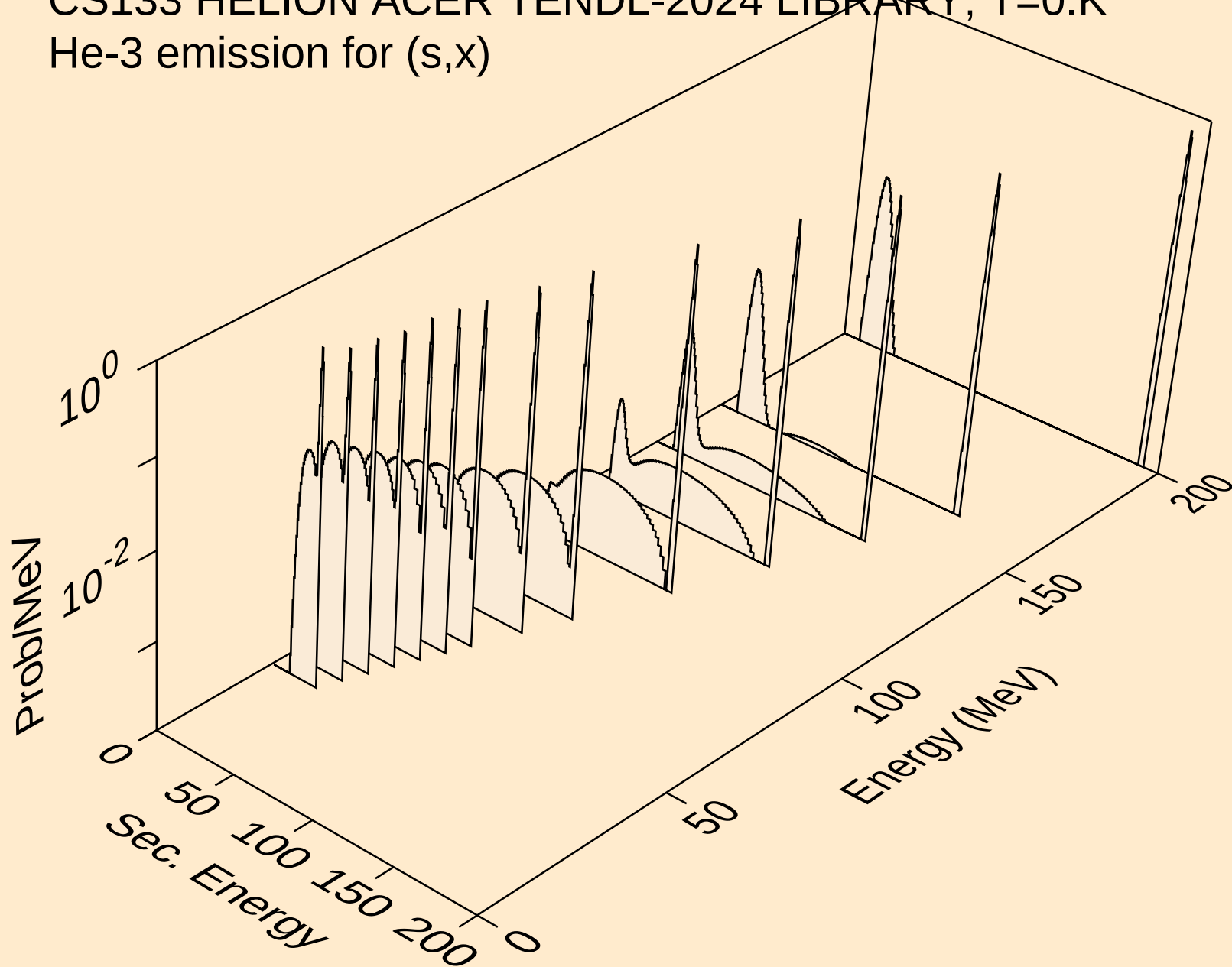
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

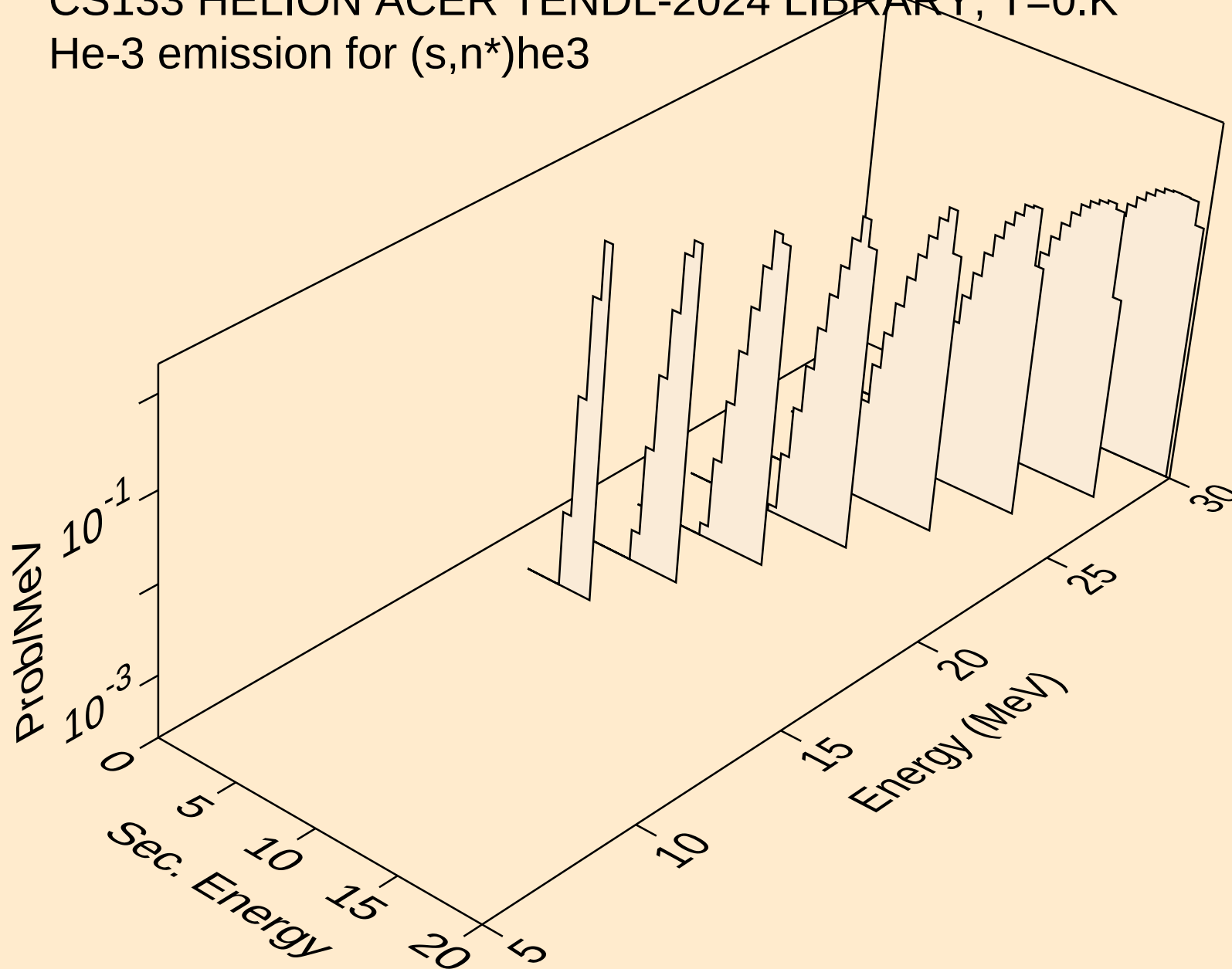


CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for (s,x)



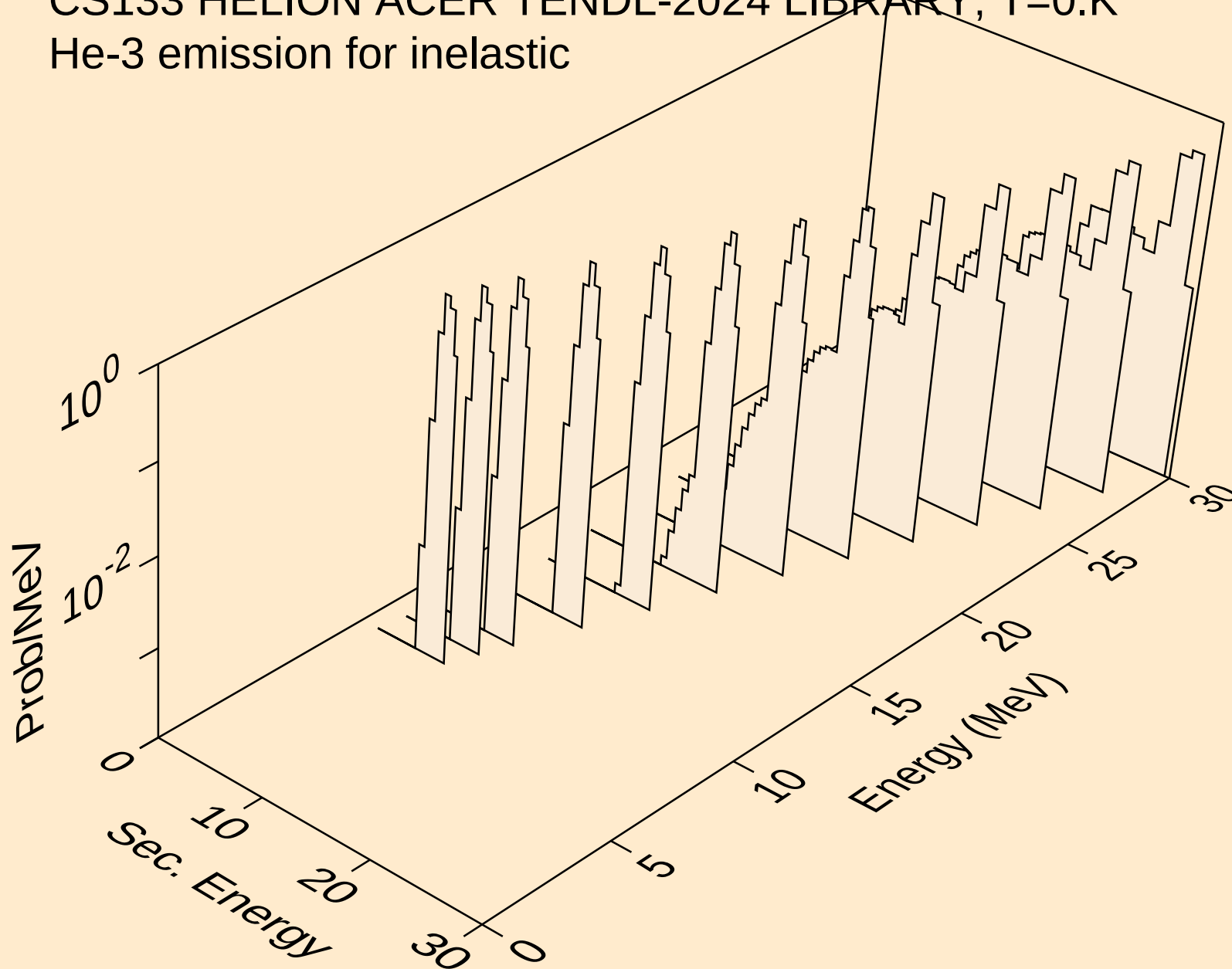
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K

He-3 emission for (s,n\*)he3

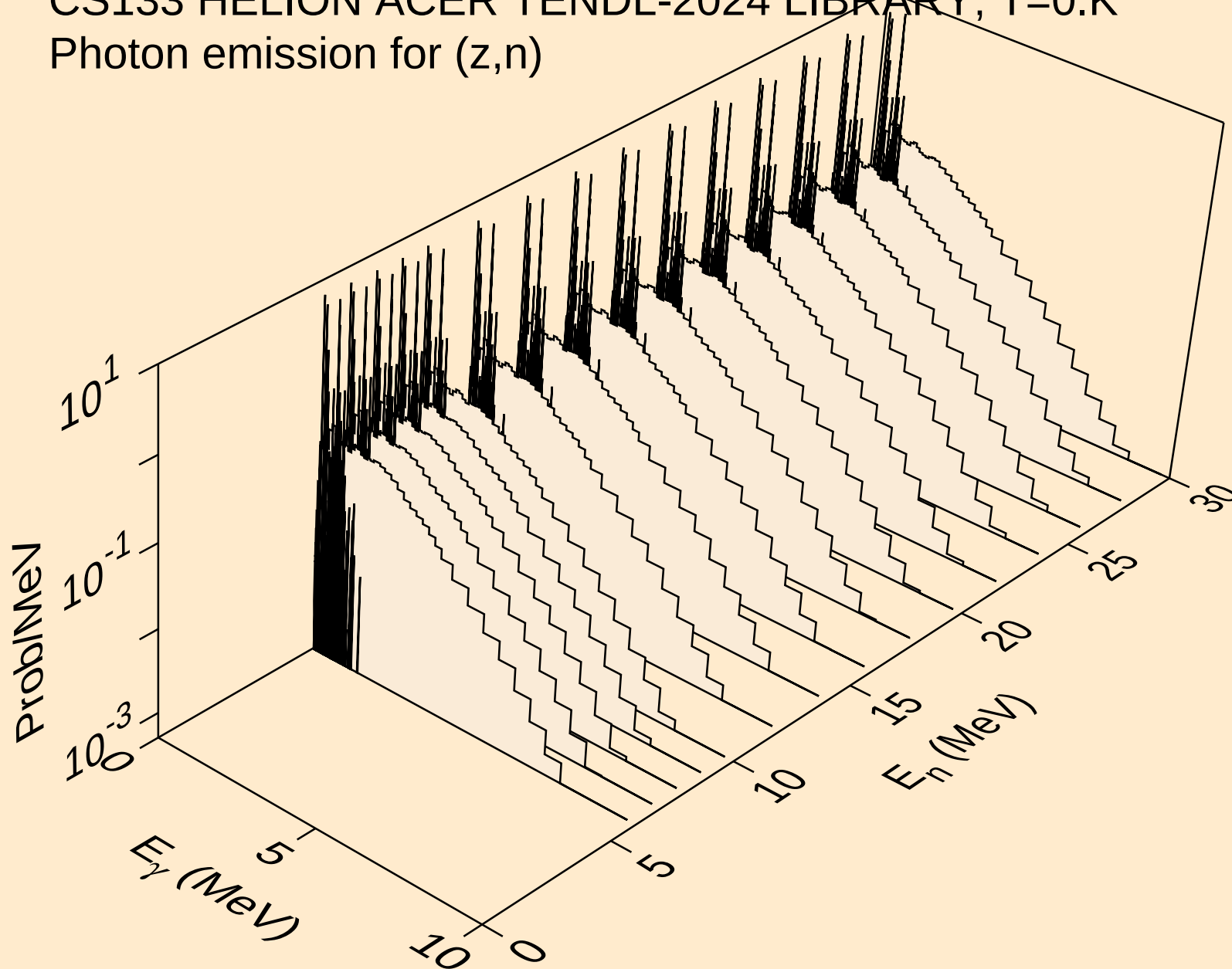




CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for inelastic

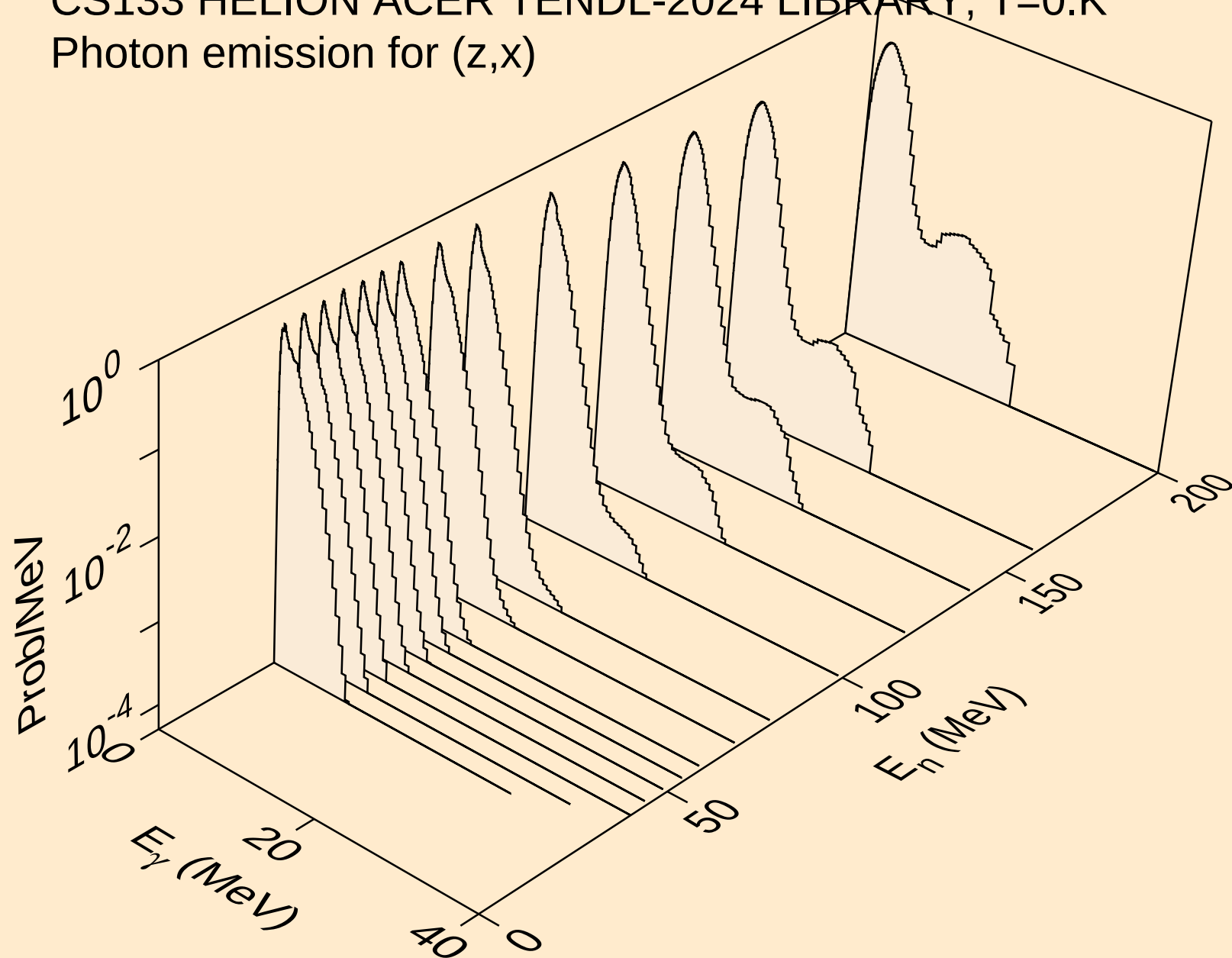


CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,n)

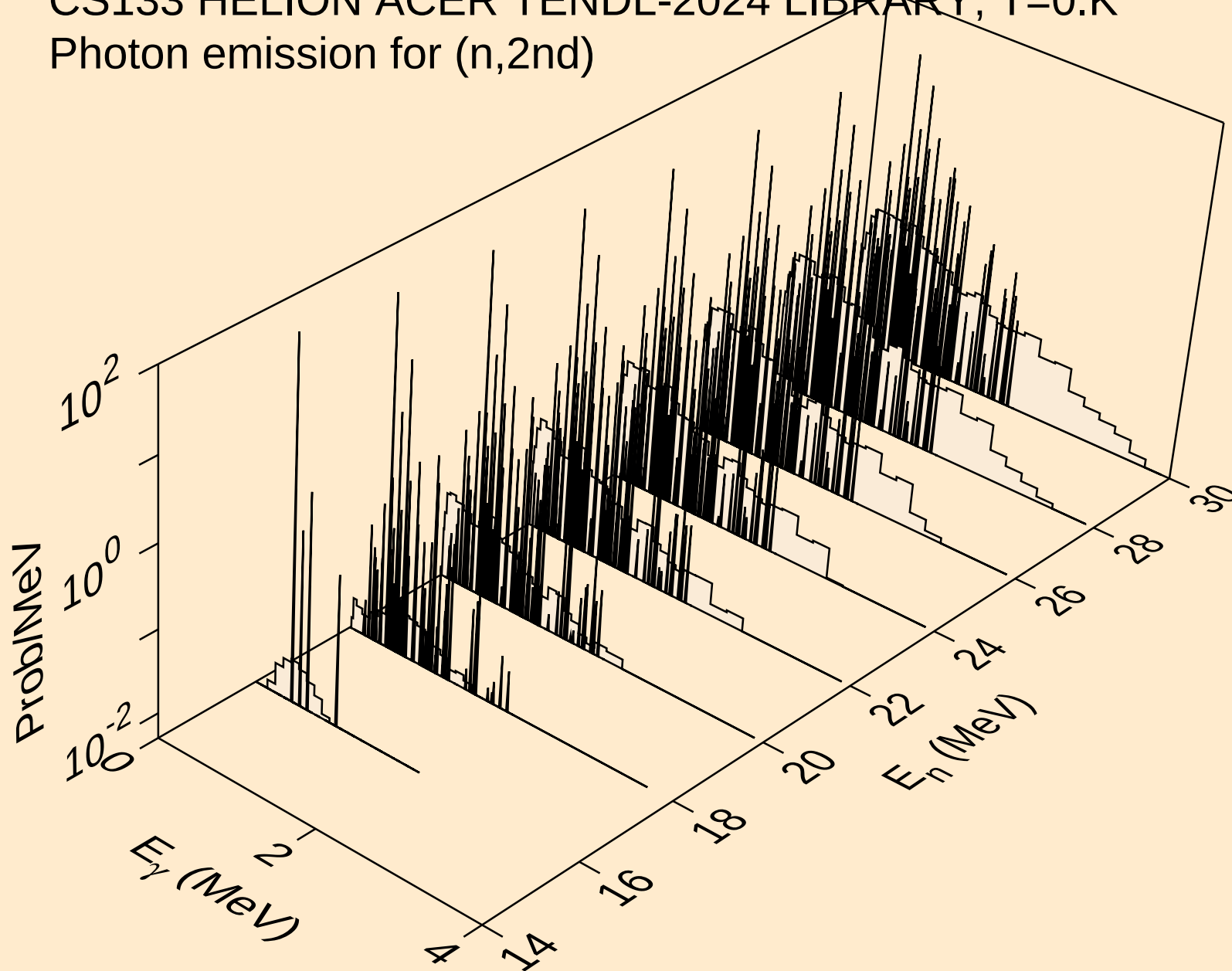


CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K

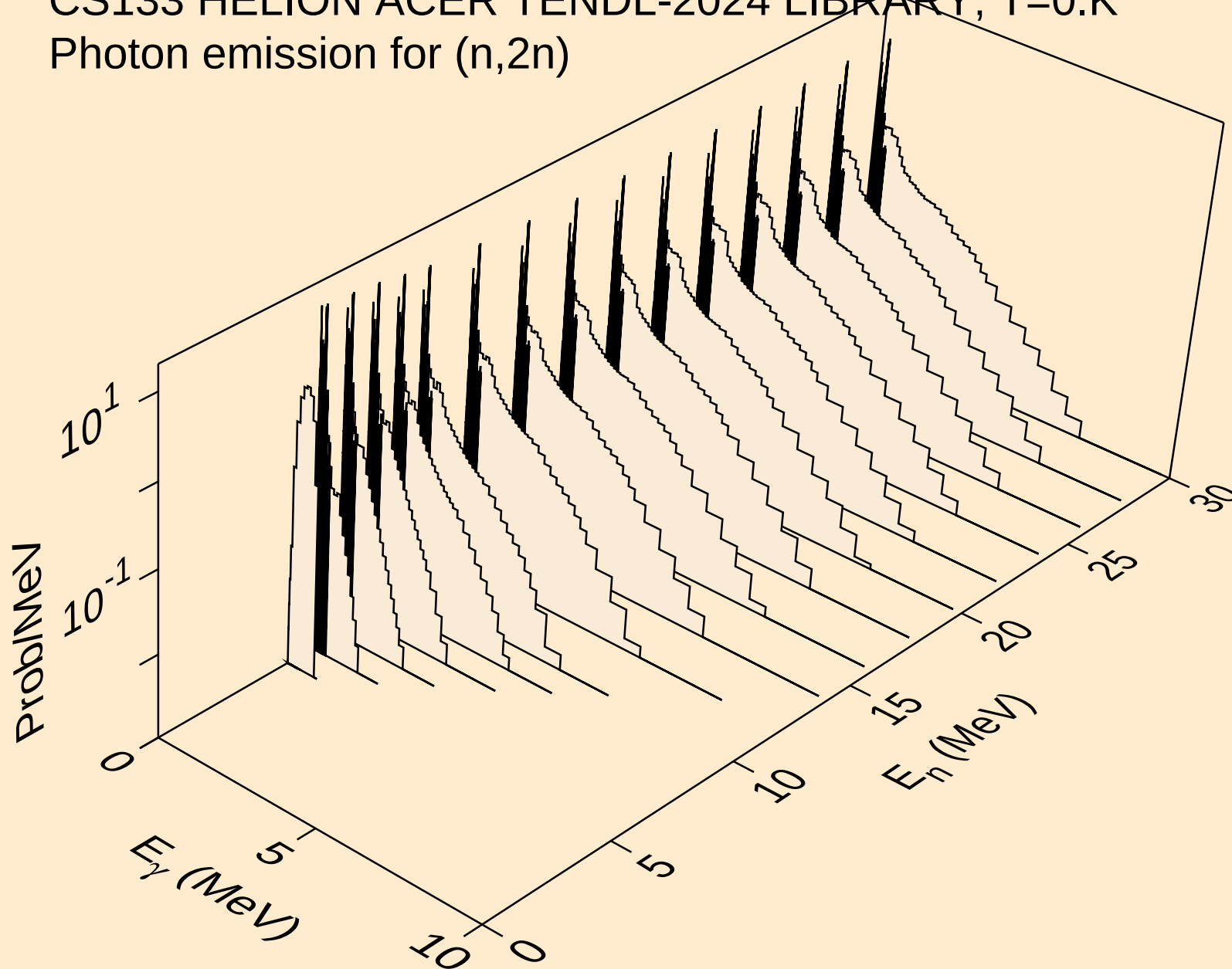
Photon emission for (z,x)



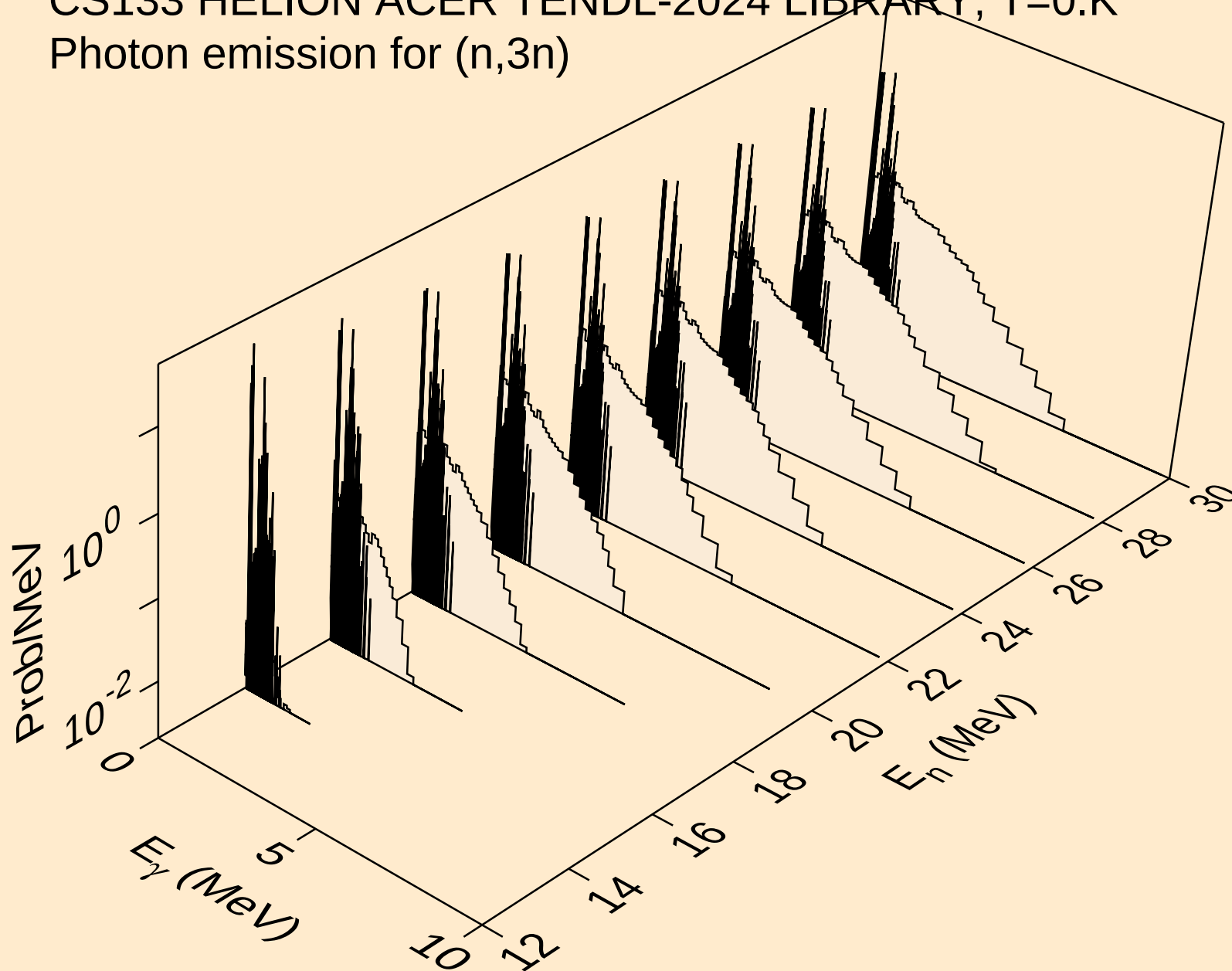
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)

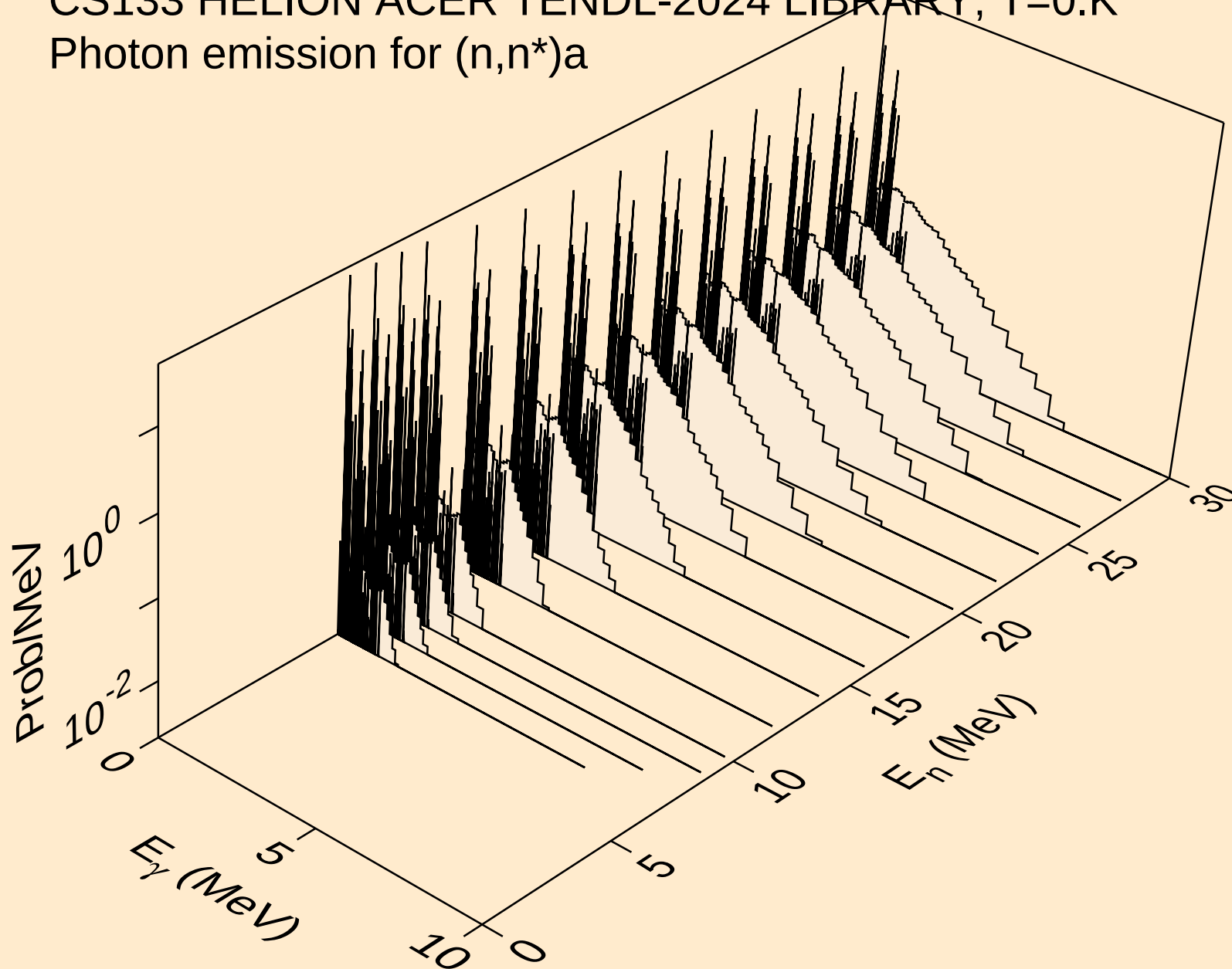


CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



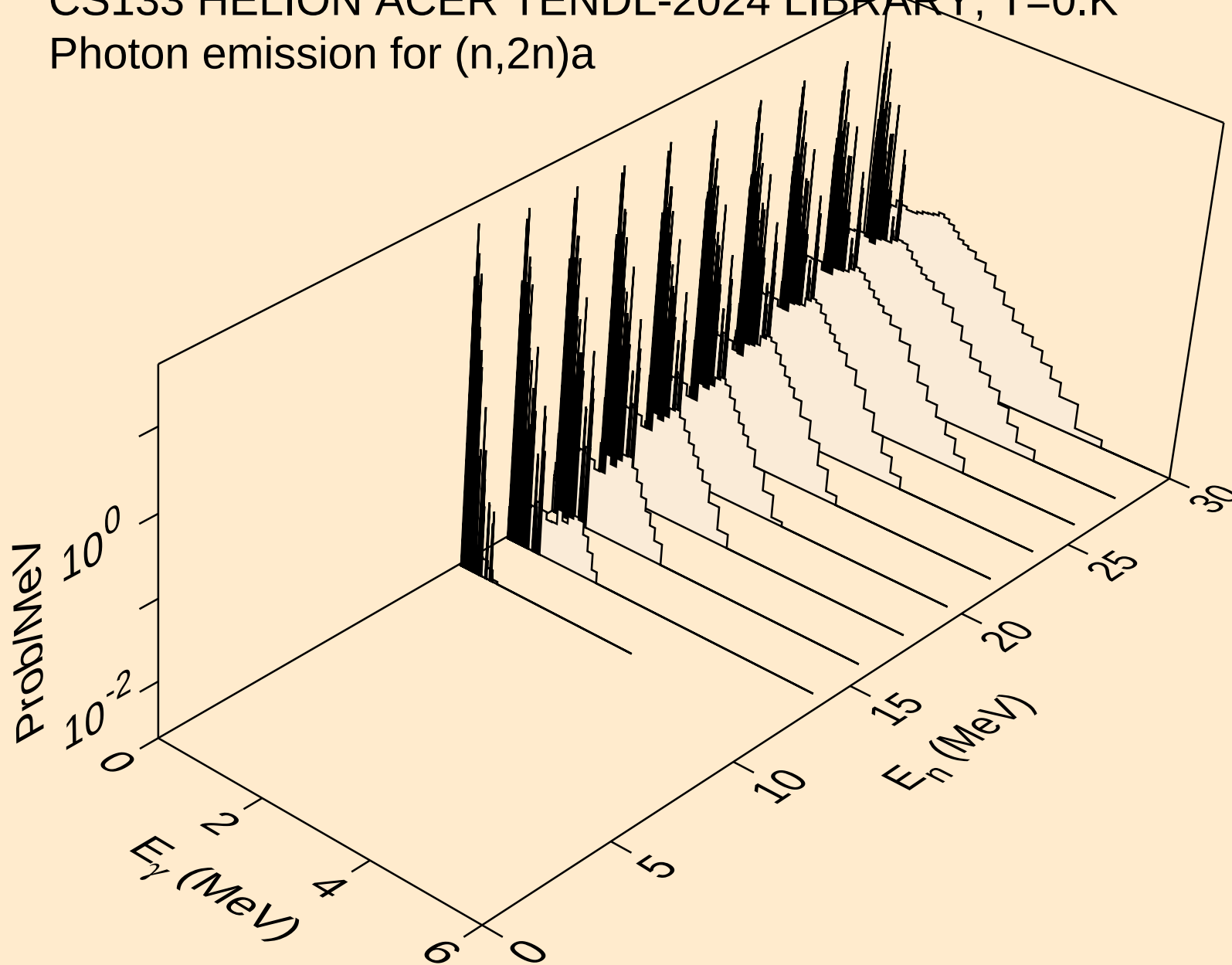
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)a



CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K

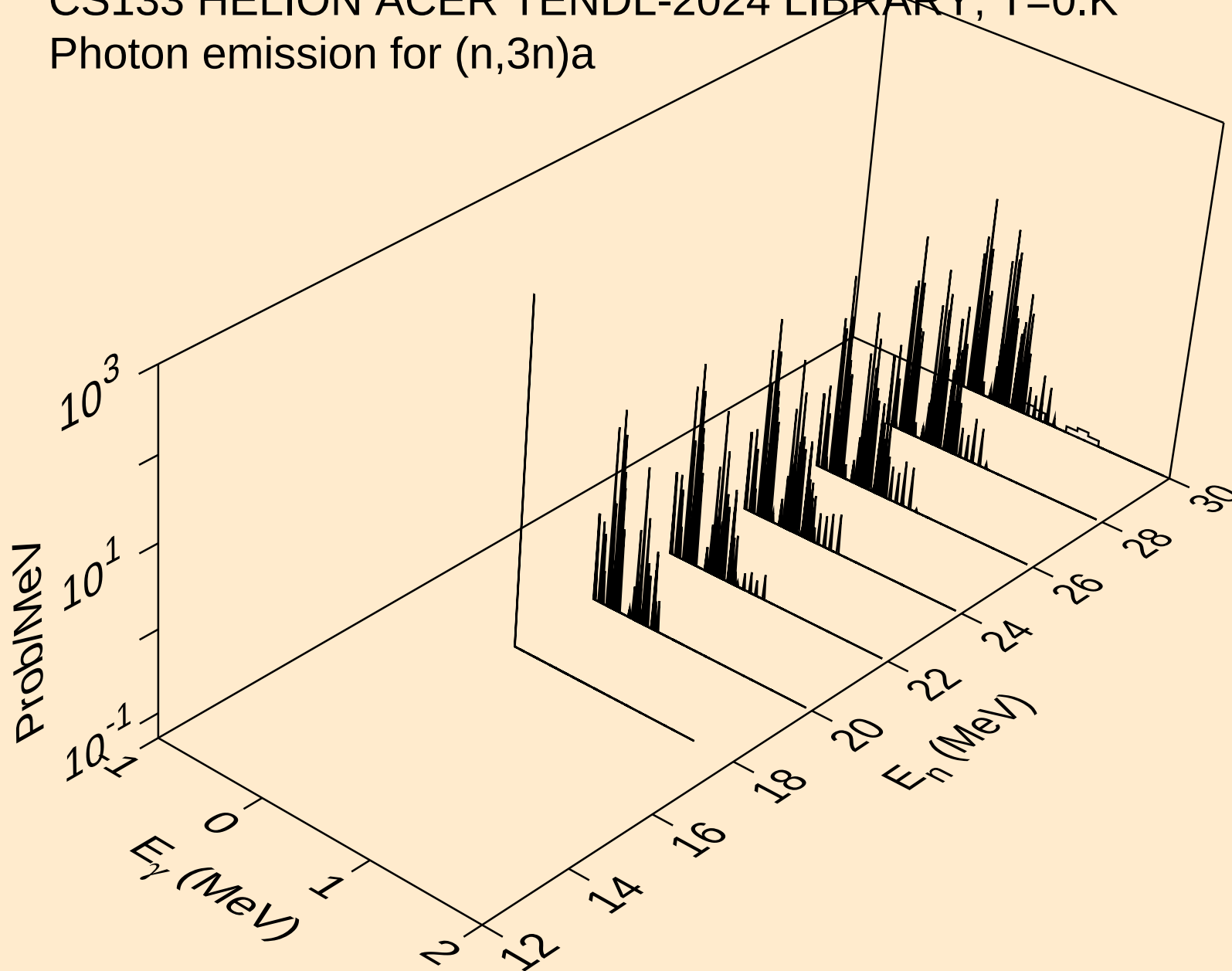
Photon emission for (n,2n) $\alpha$





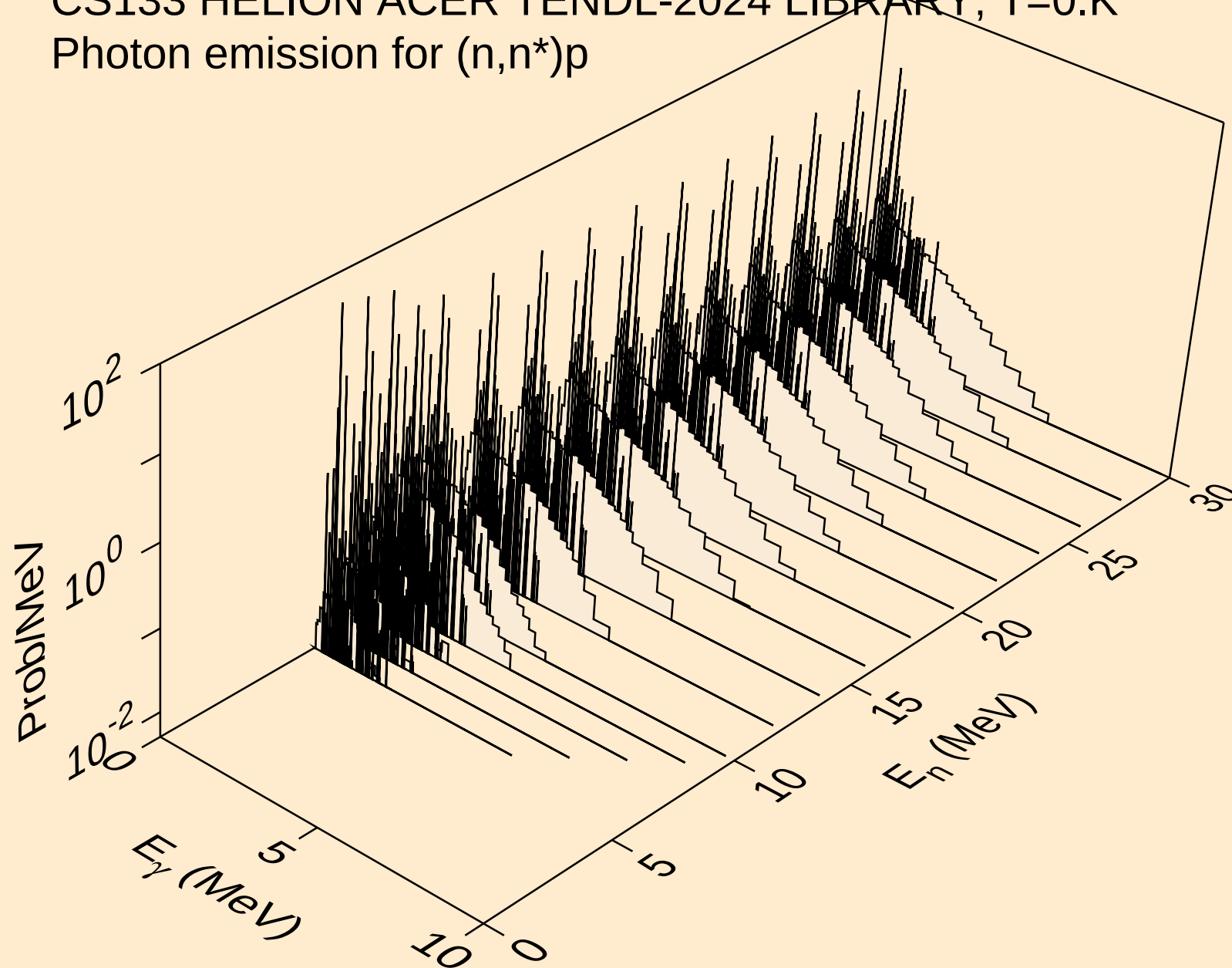
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K

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



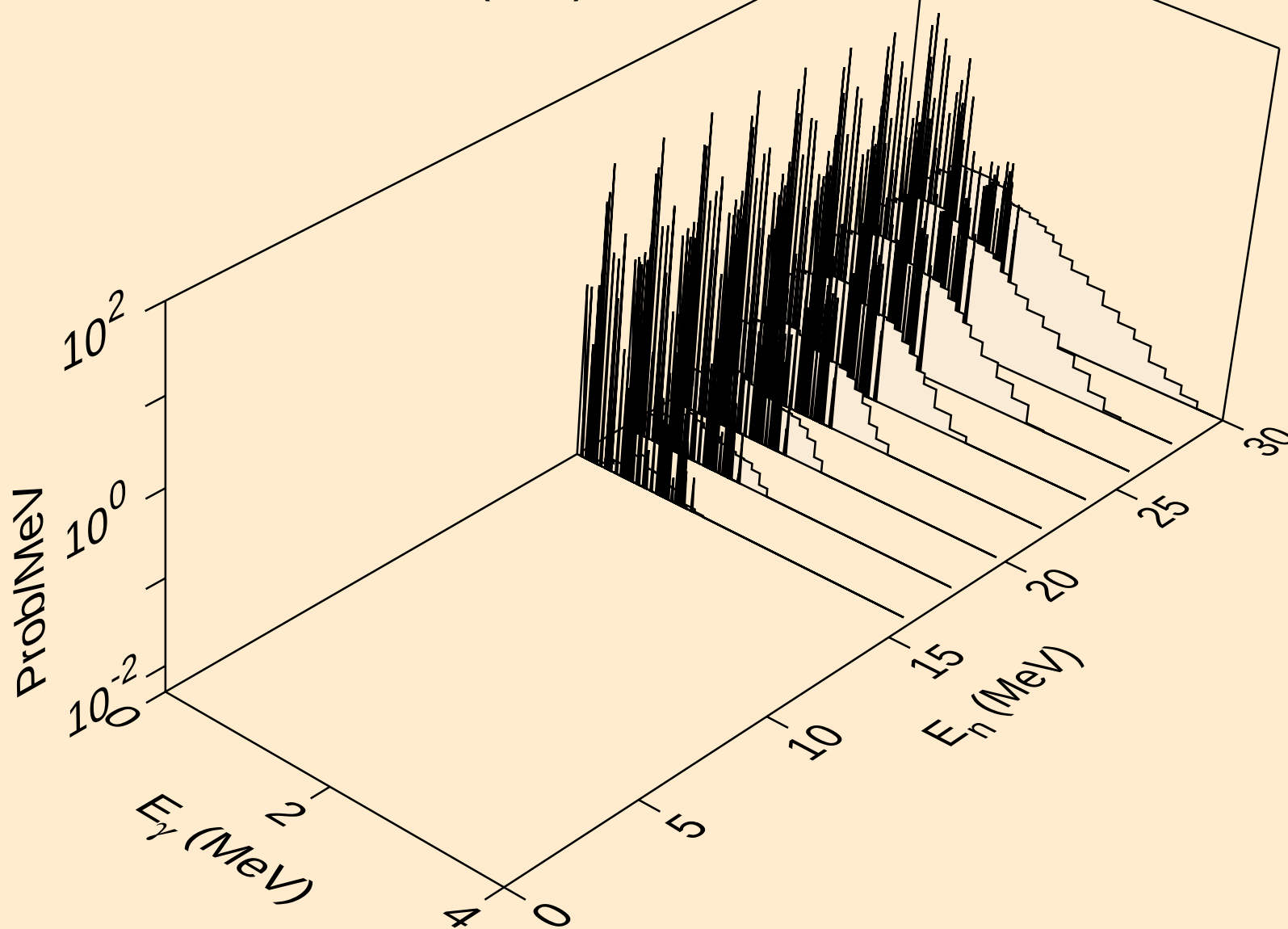
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)p



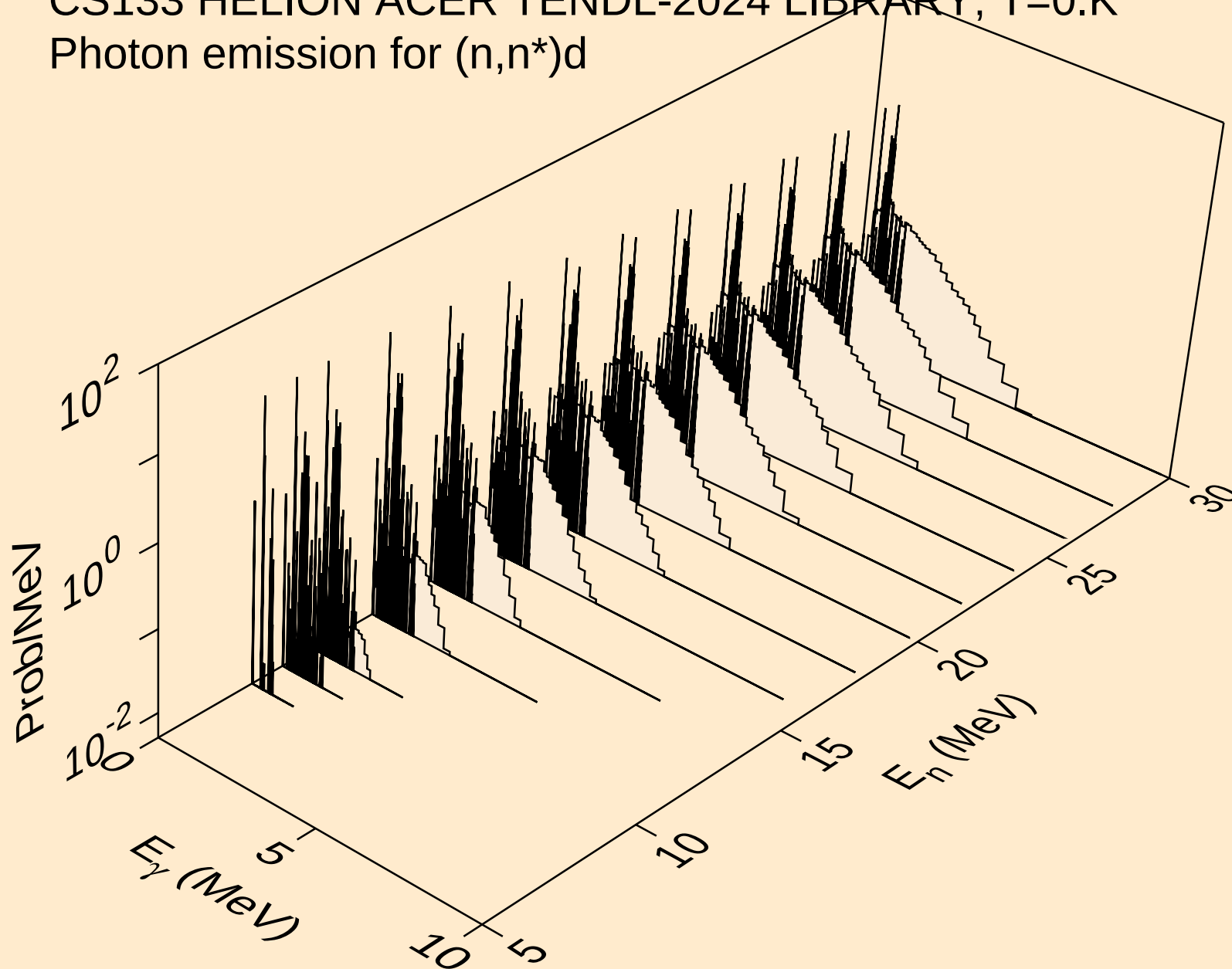
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K

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



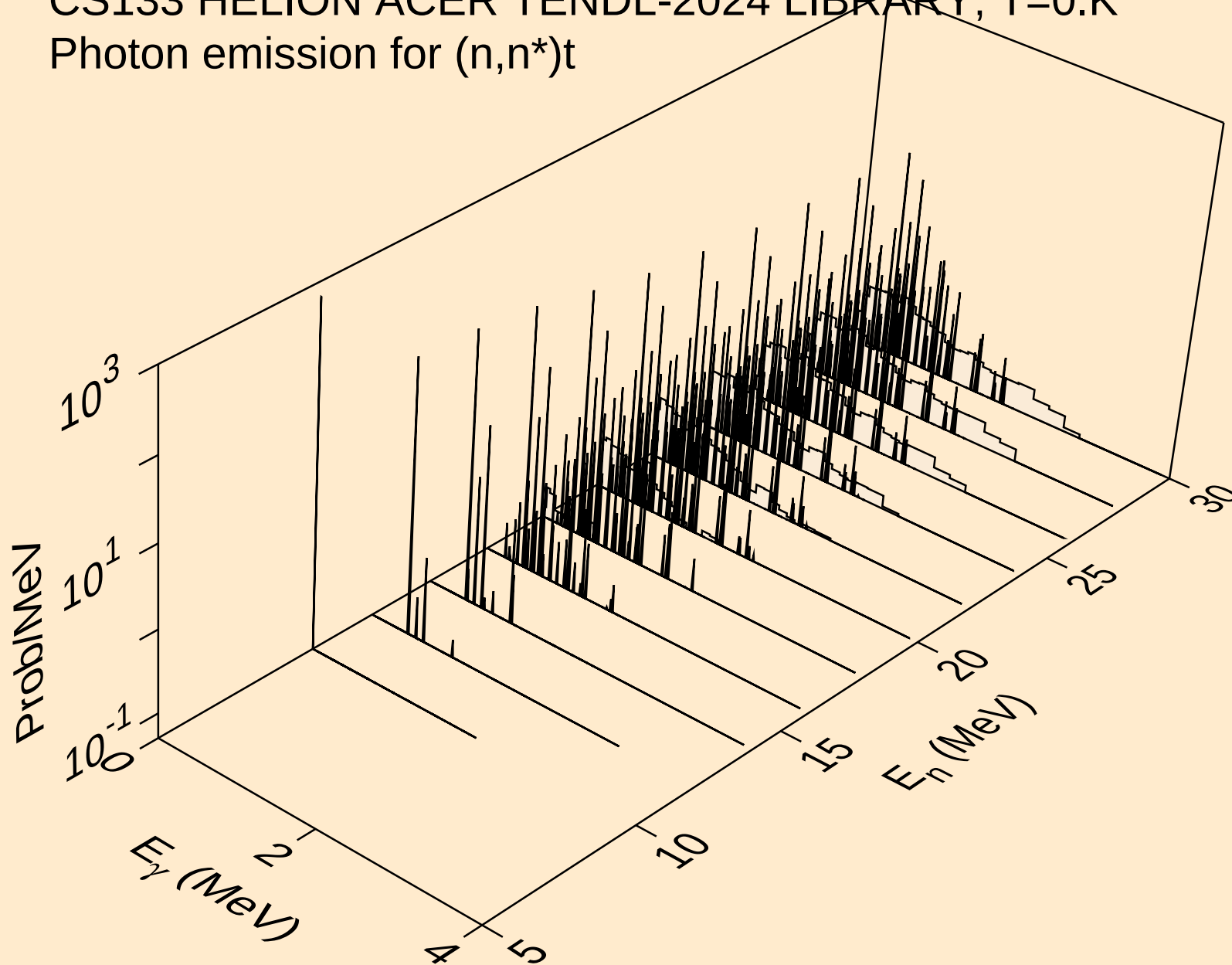
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)d



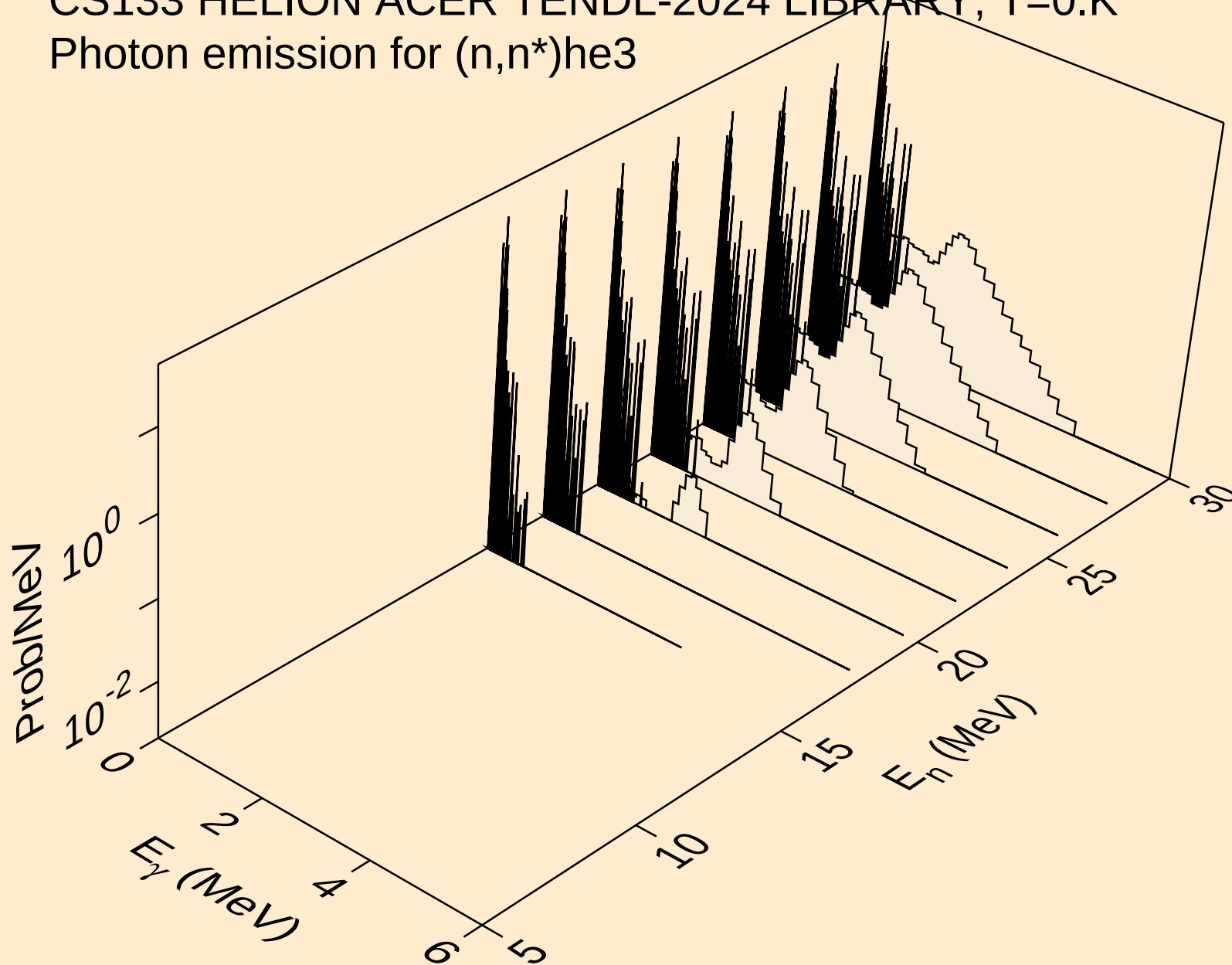
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)t



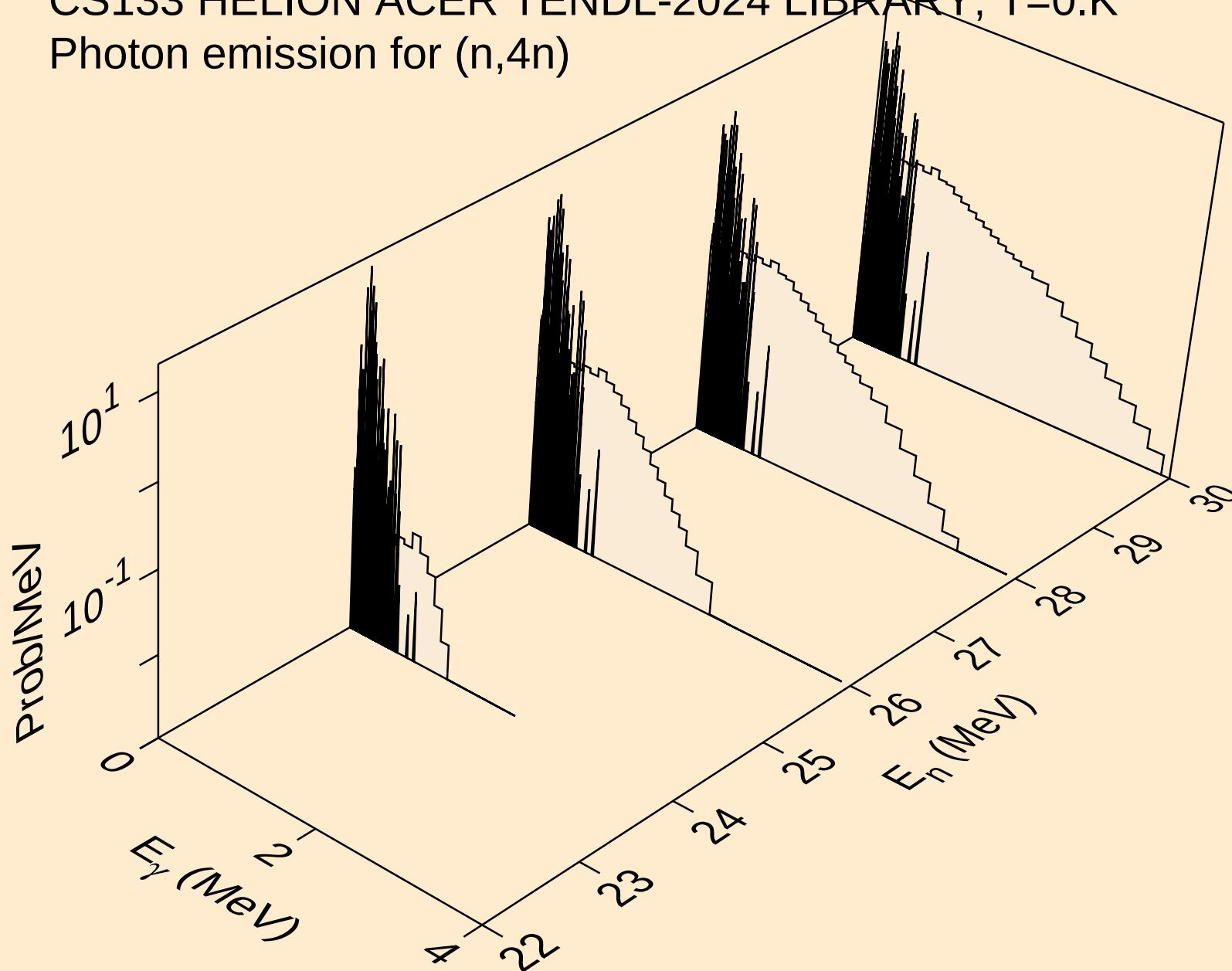
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)he3

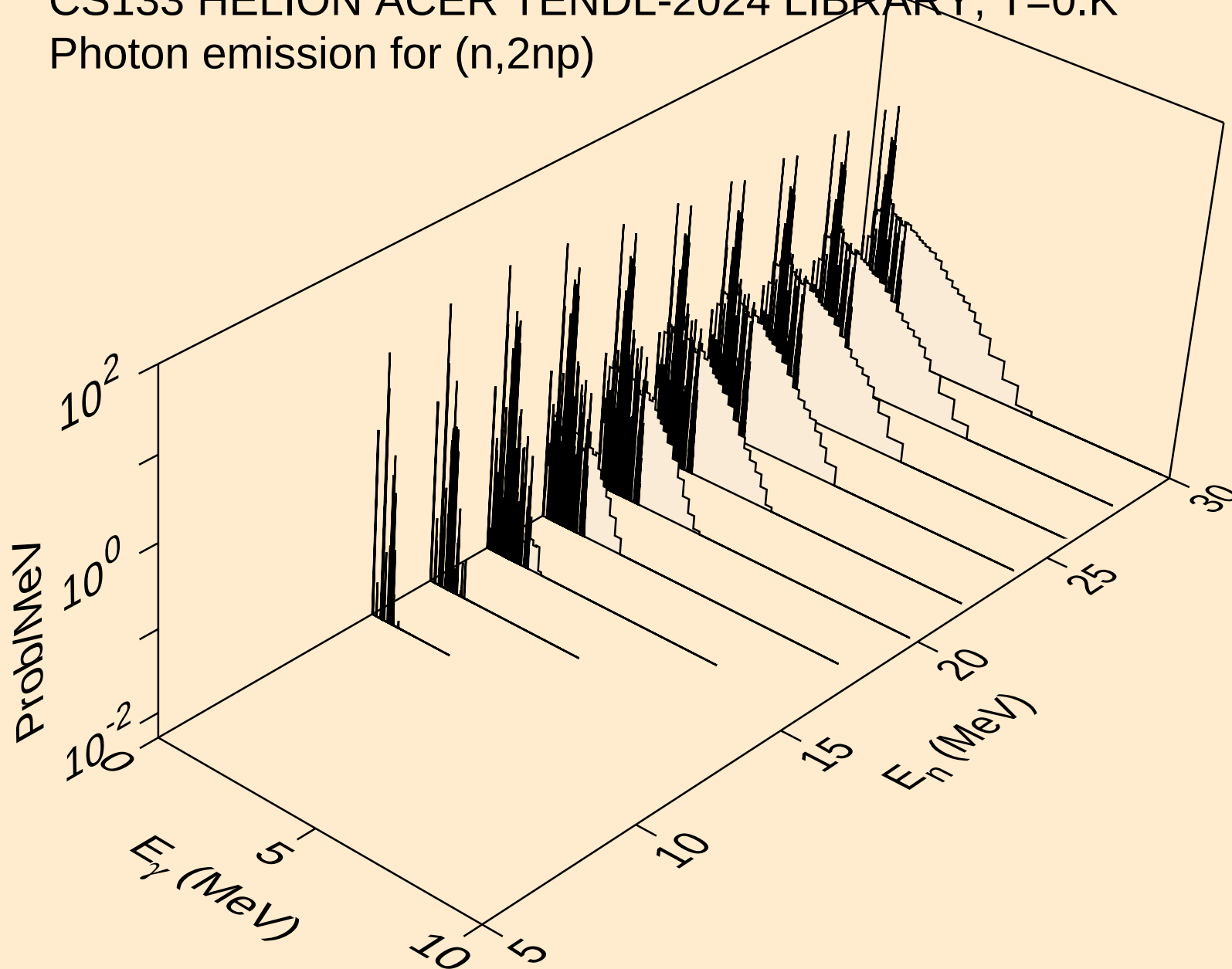


CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,4n)

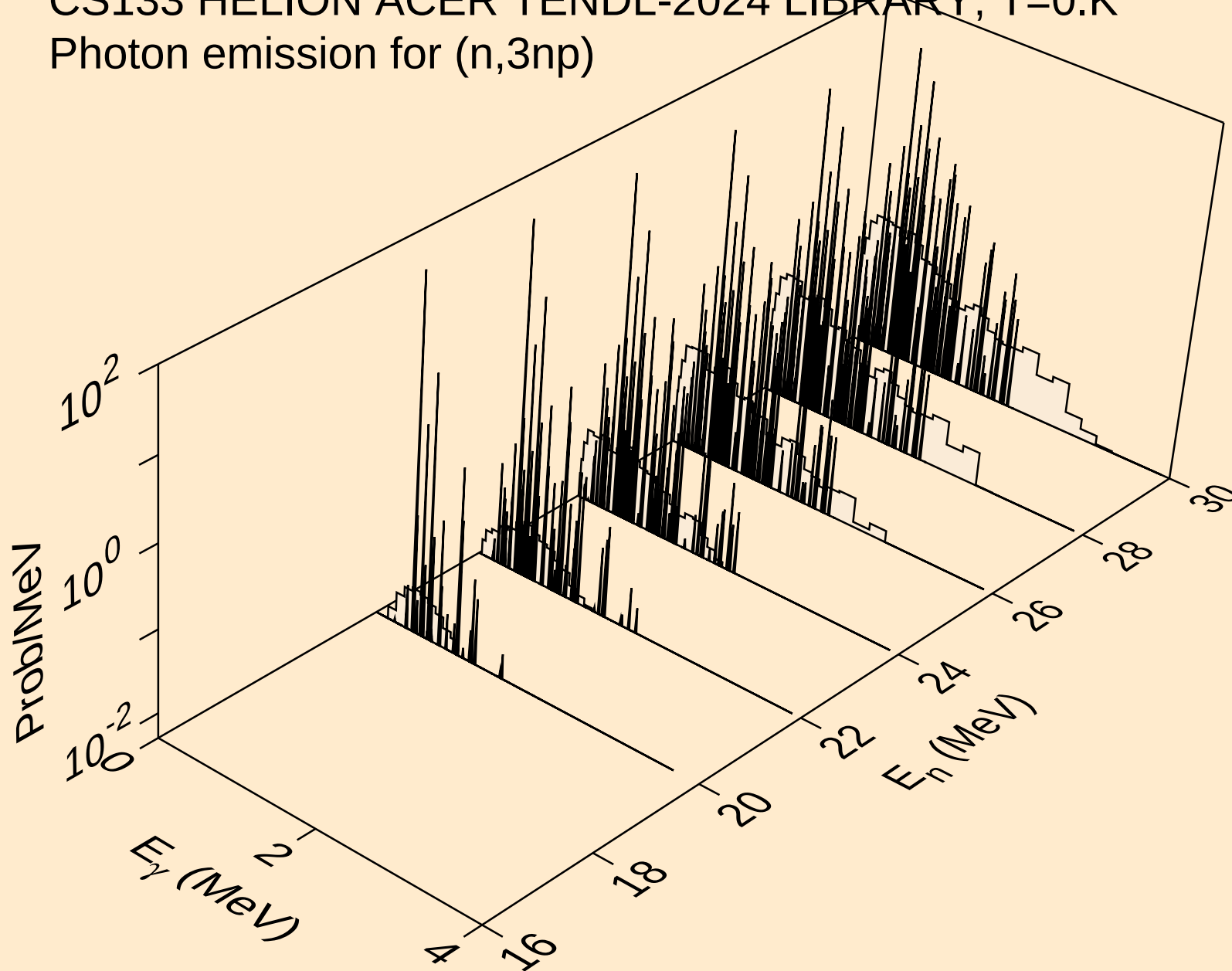


CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)

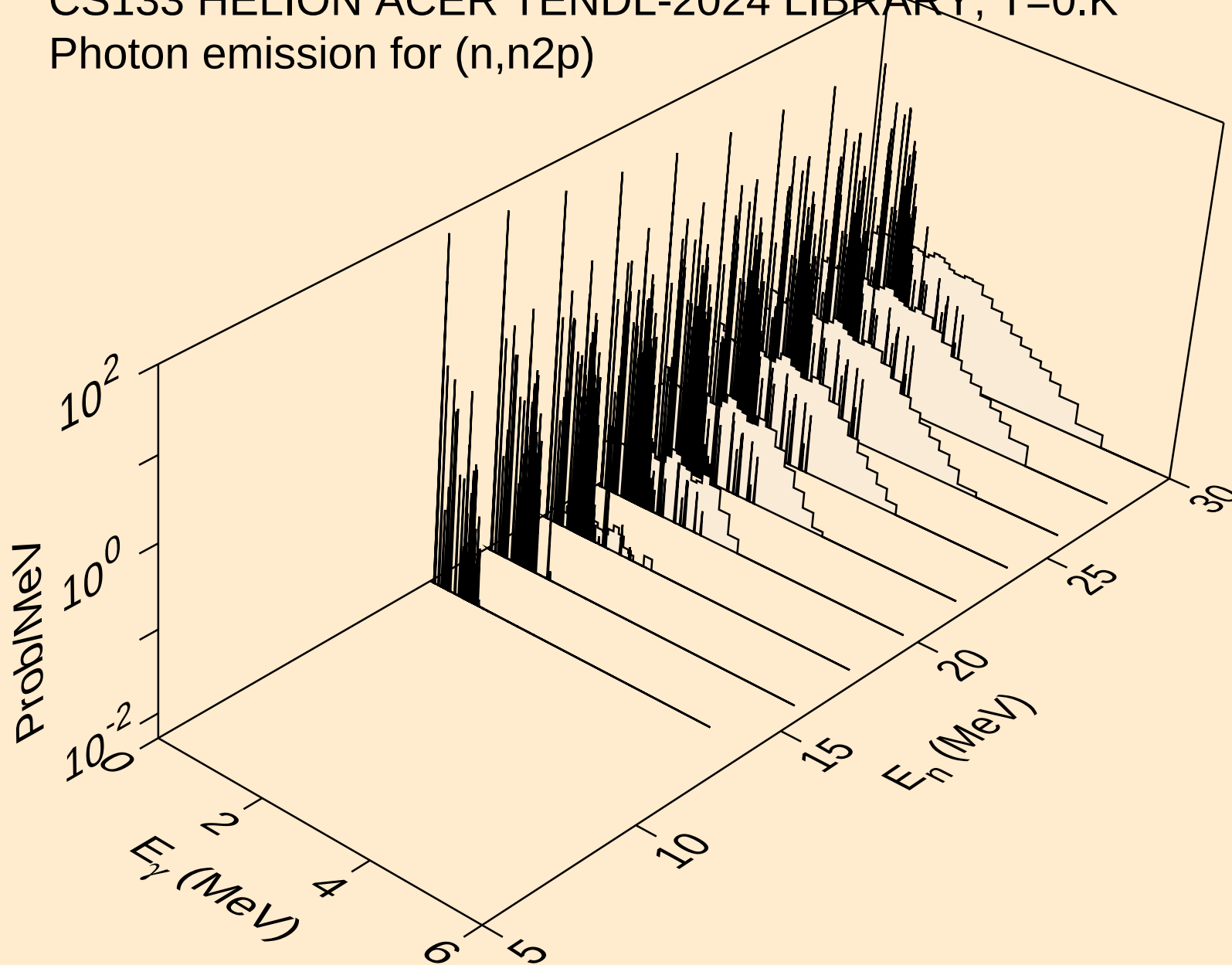




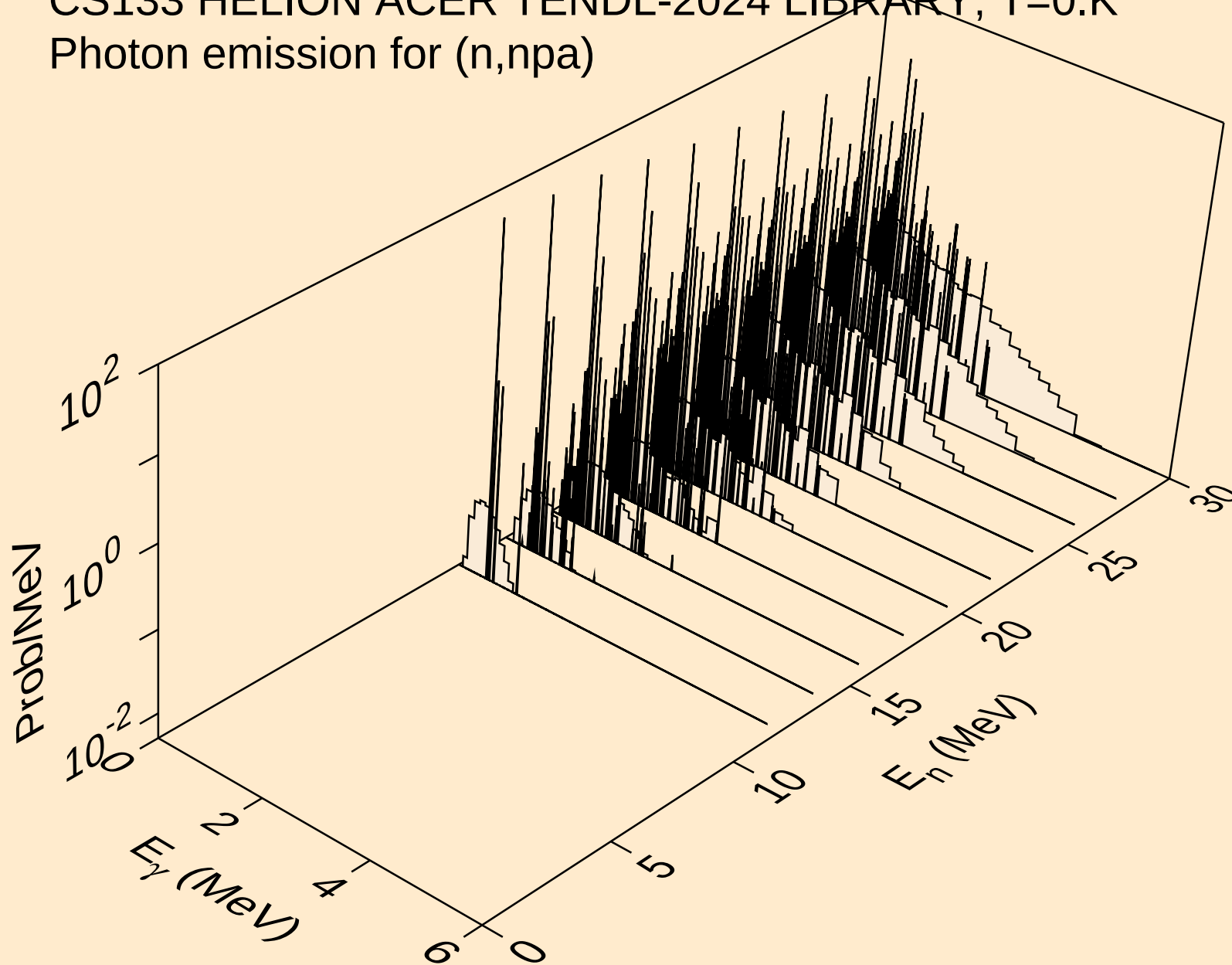
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)



CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)

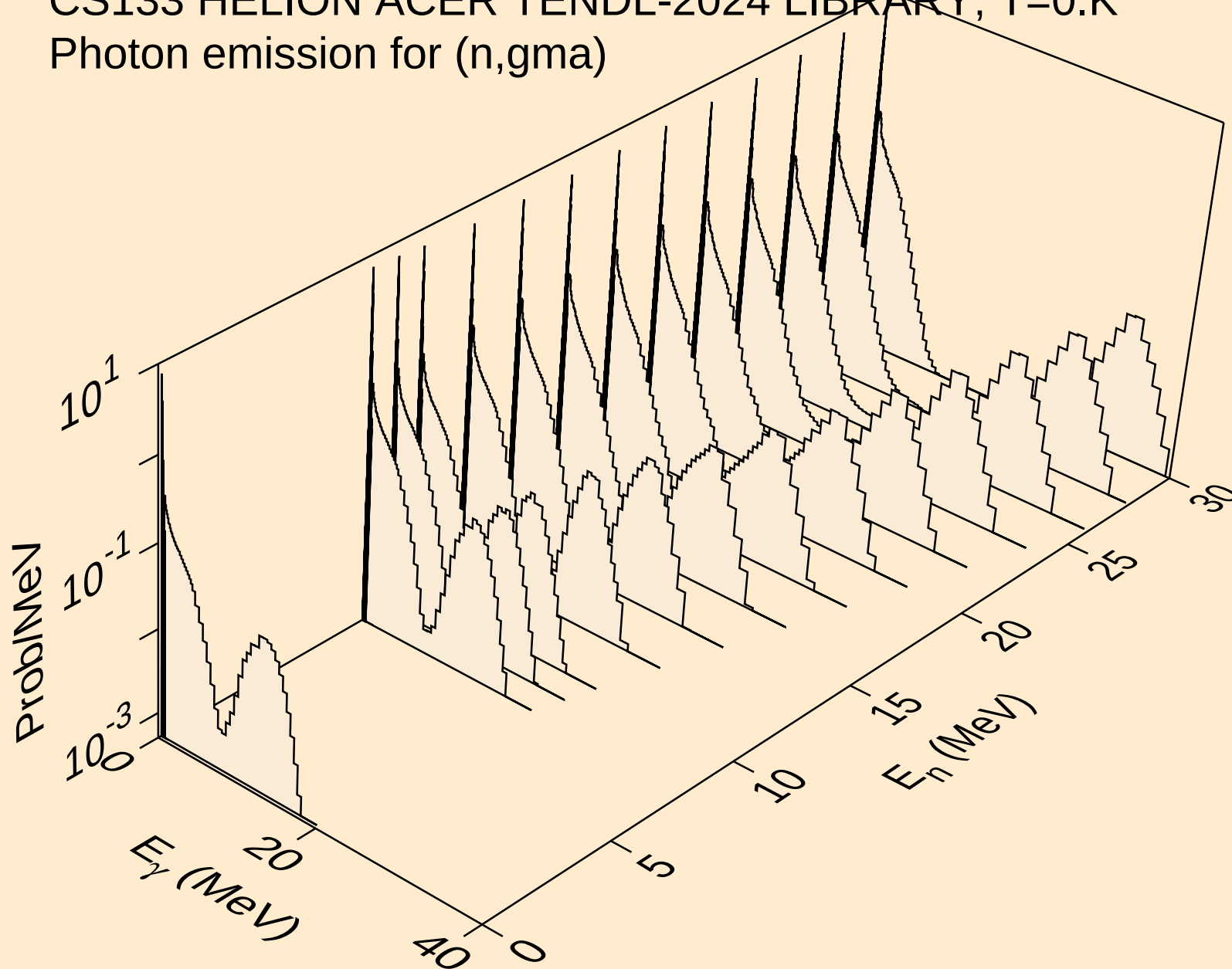


CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



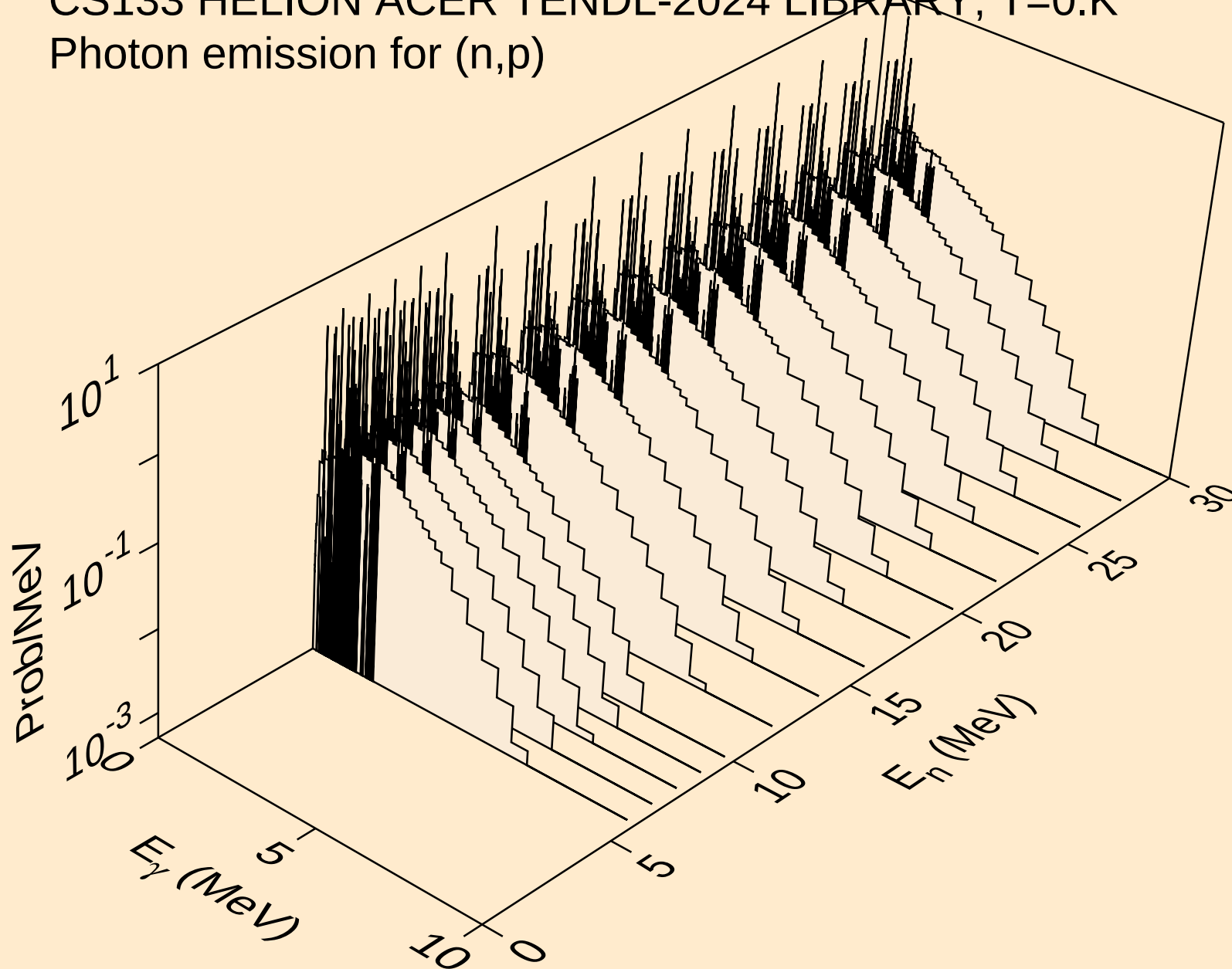
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,gma)

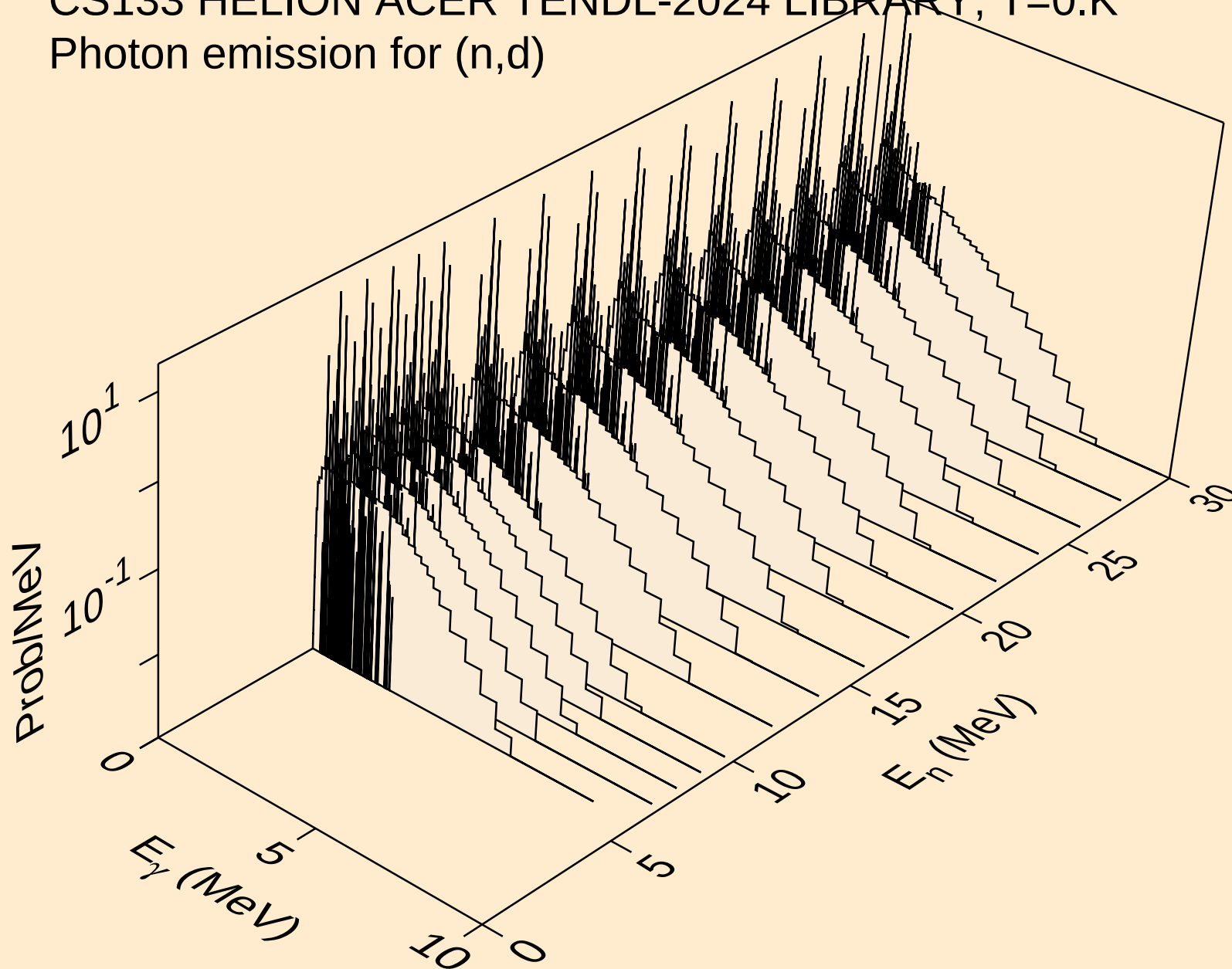


CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K

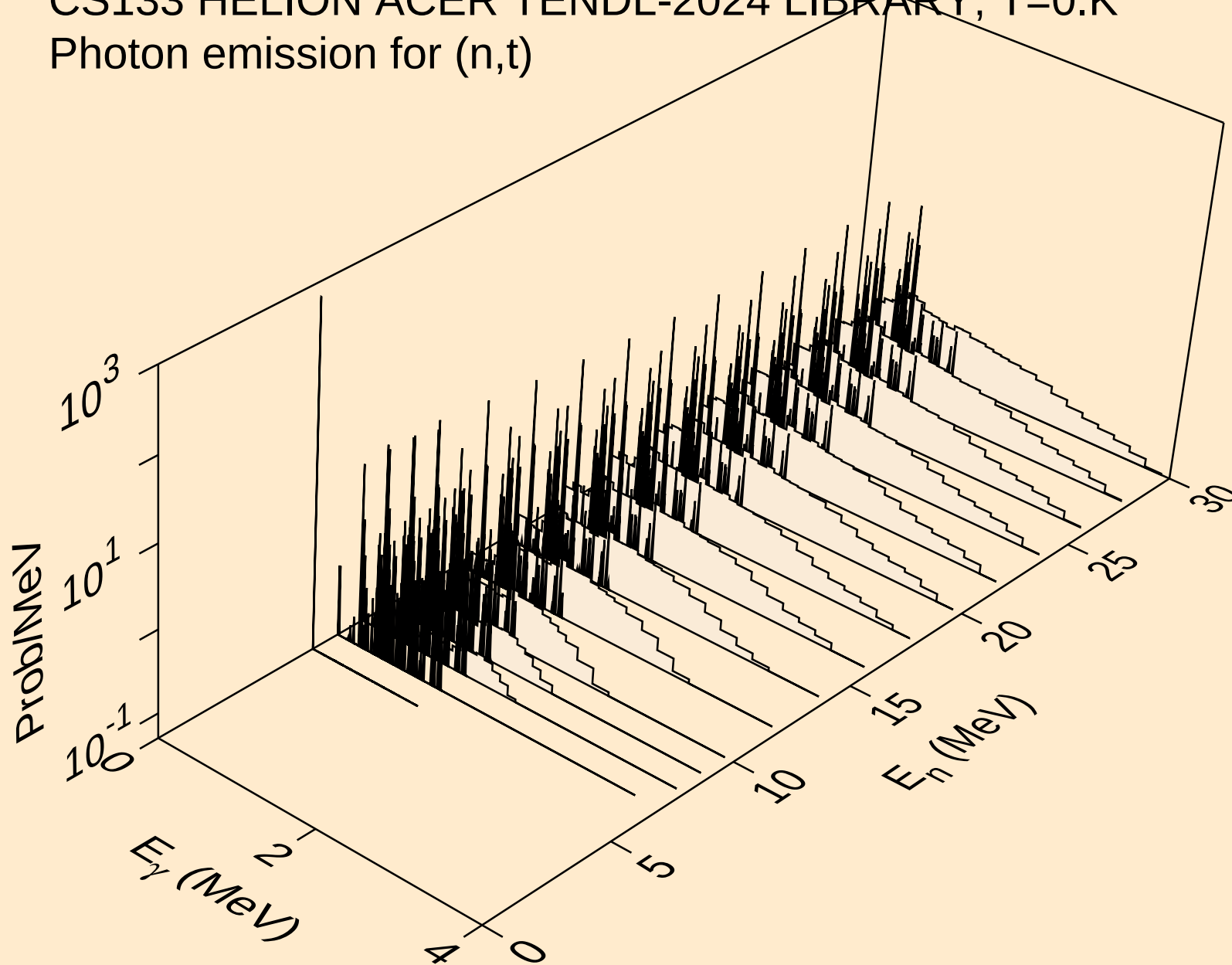
Photon emission for (n,p)



CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)

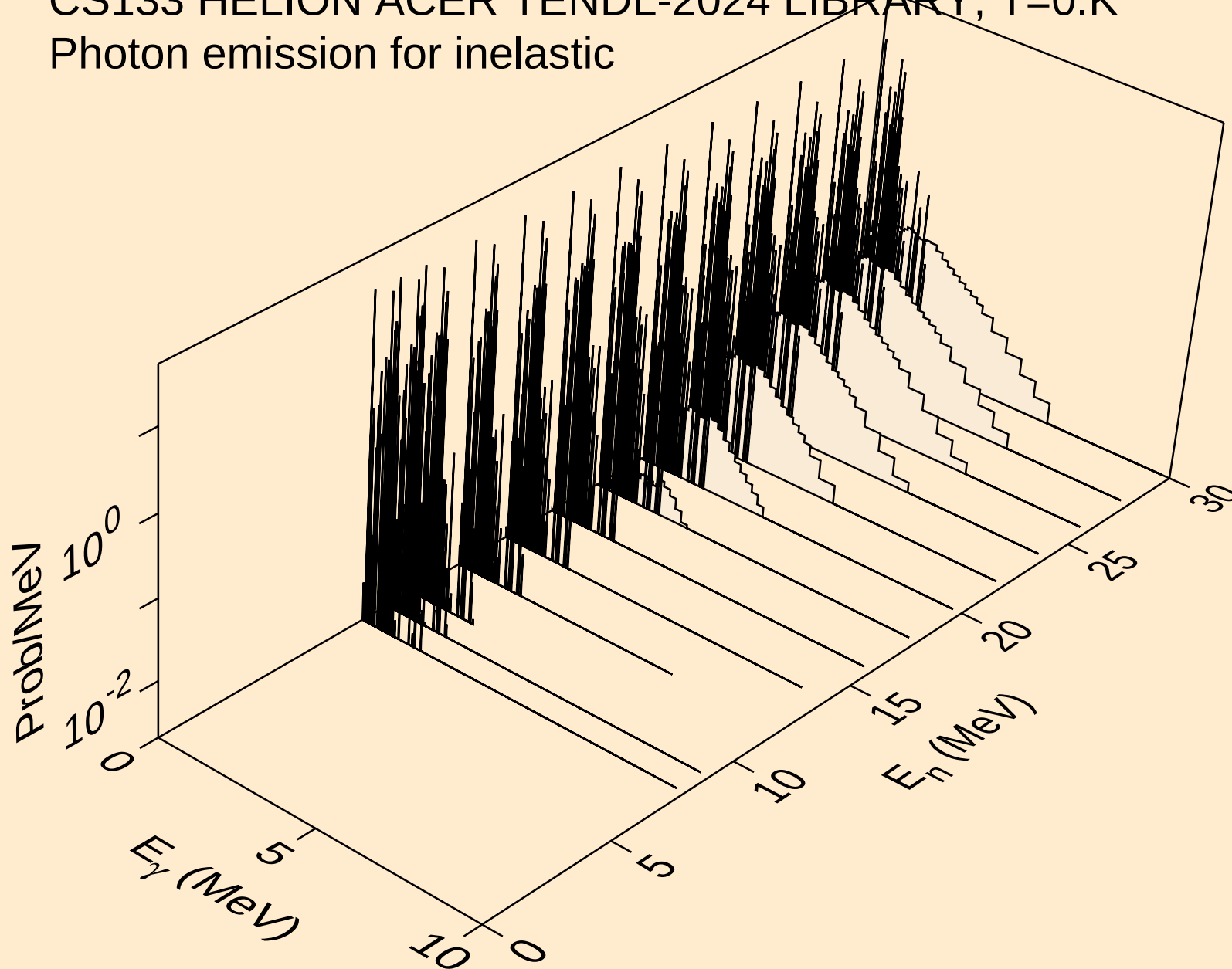


CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K

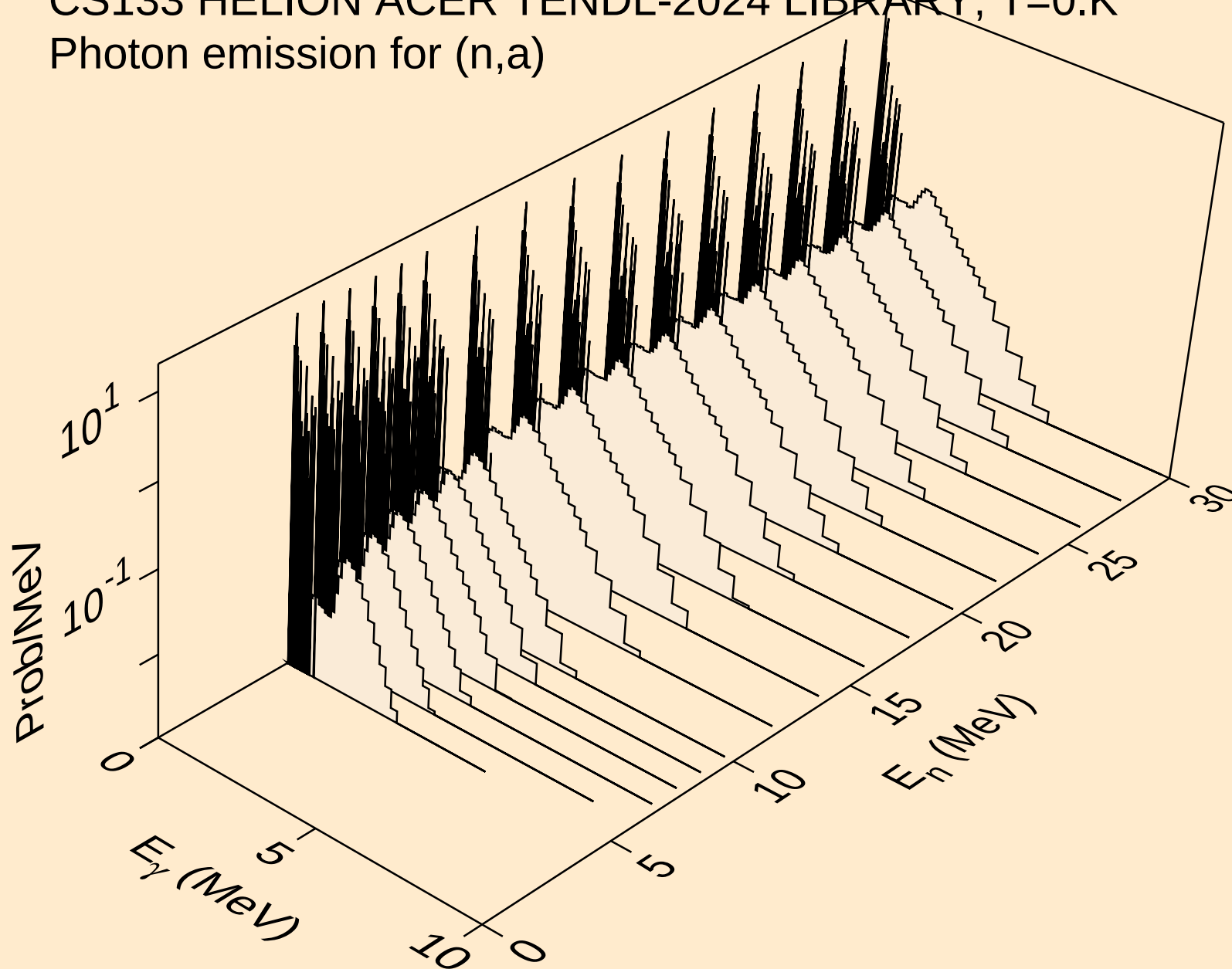
Photon emission for inelastic



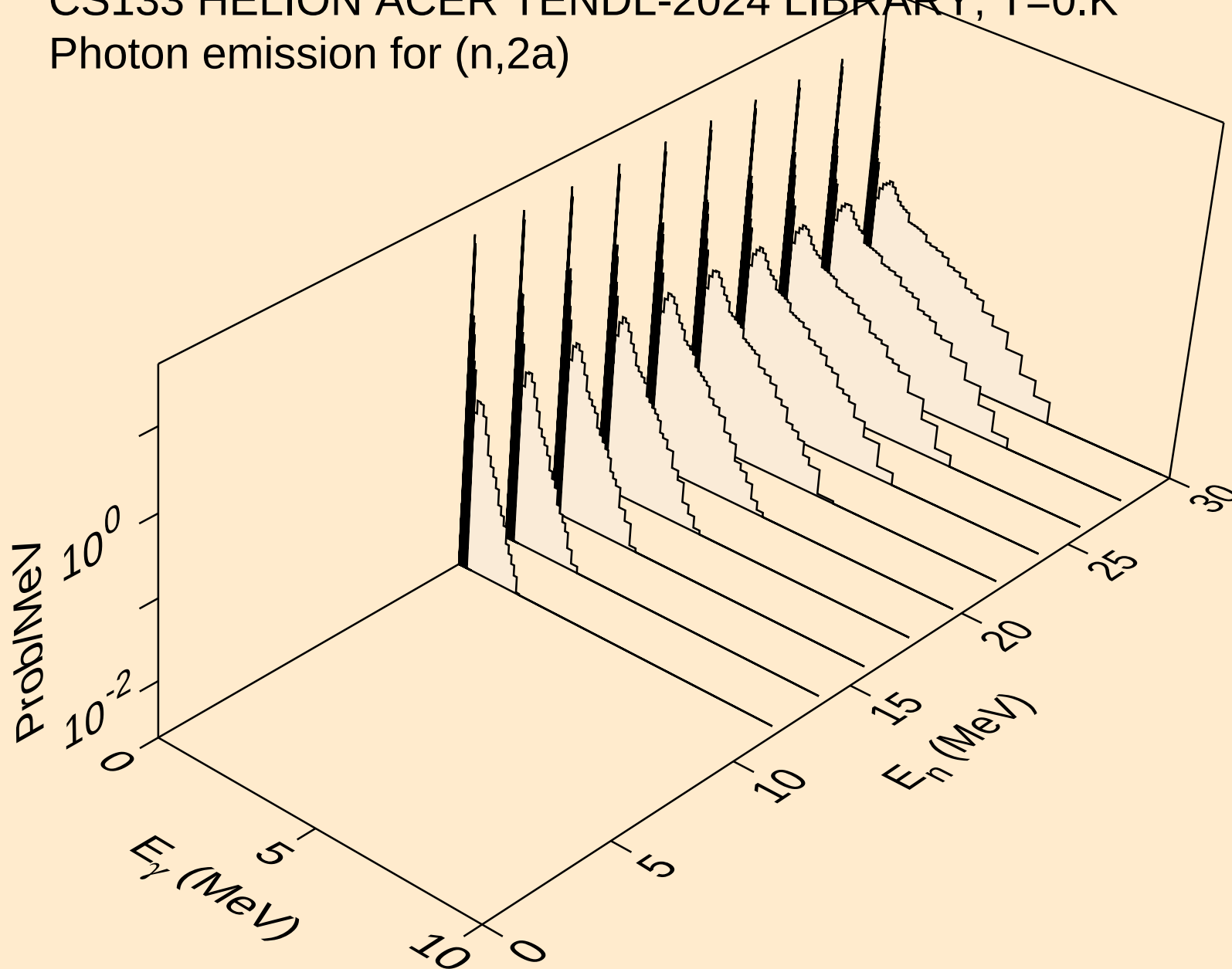


CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K

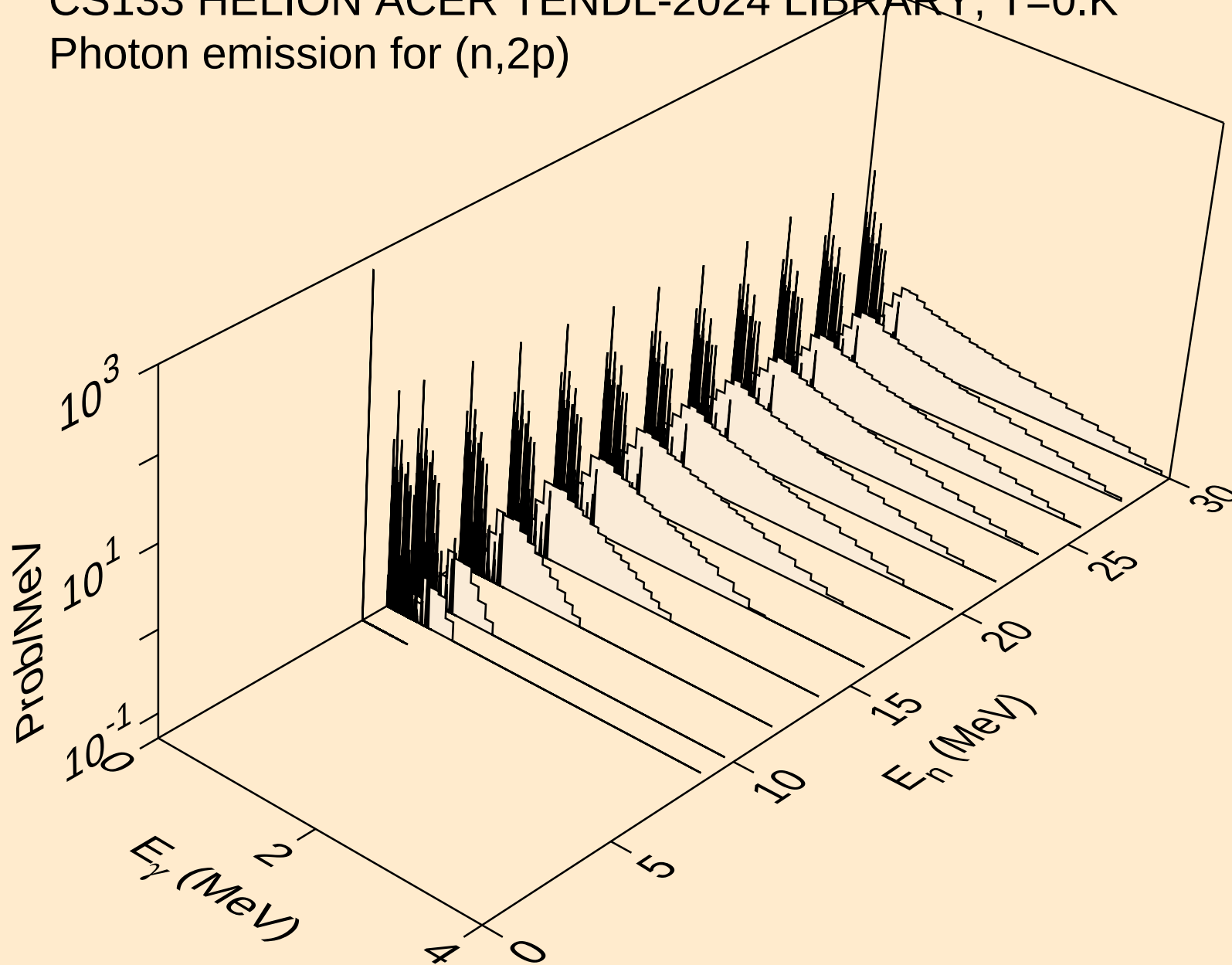
Photon emission for (n,a)



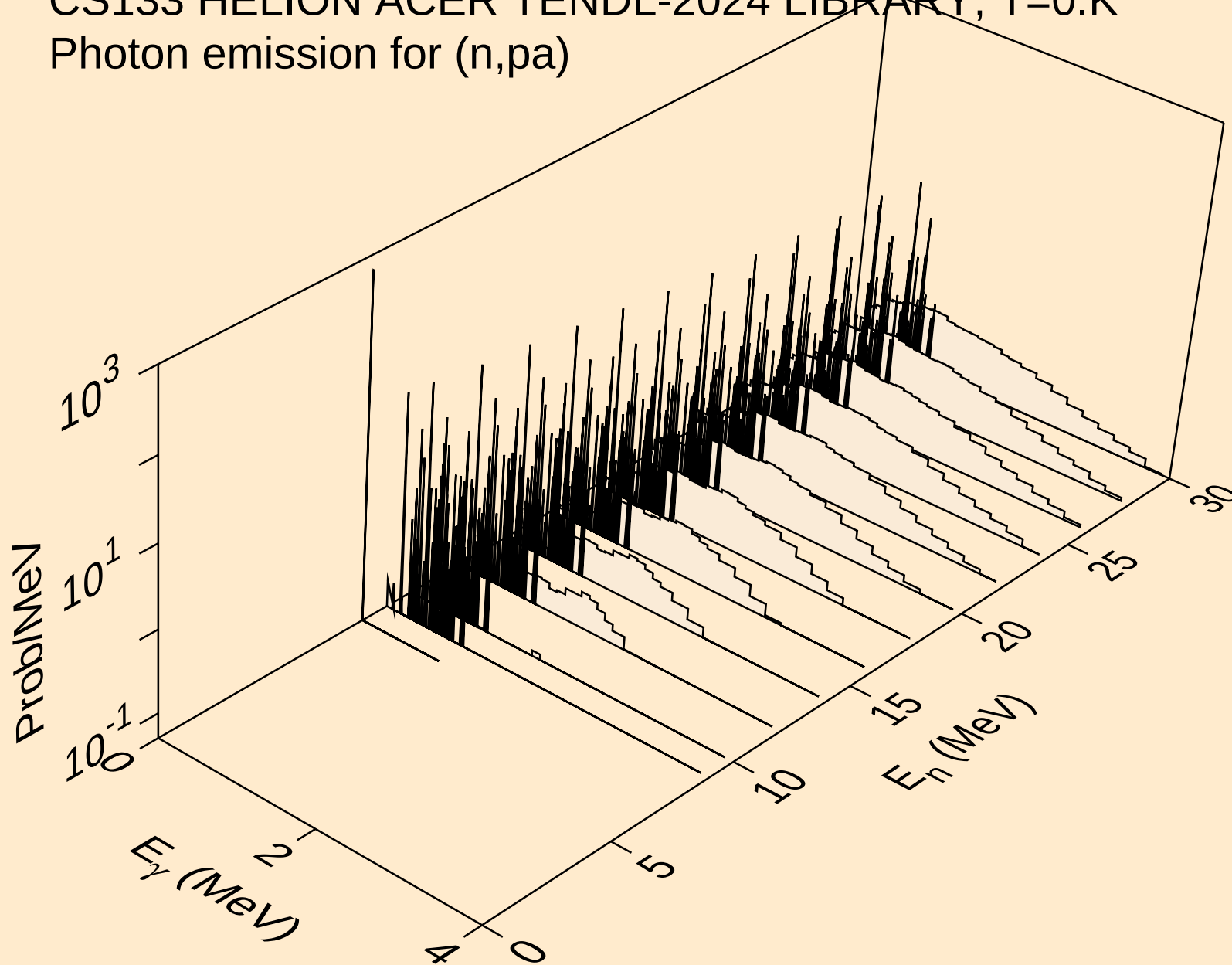
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)



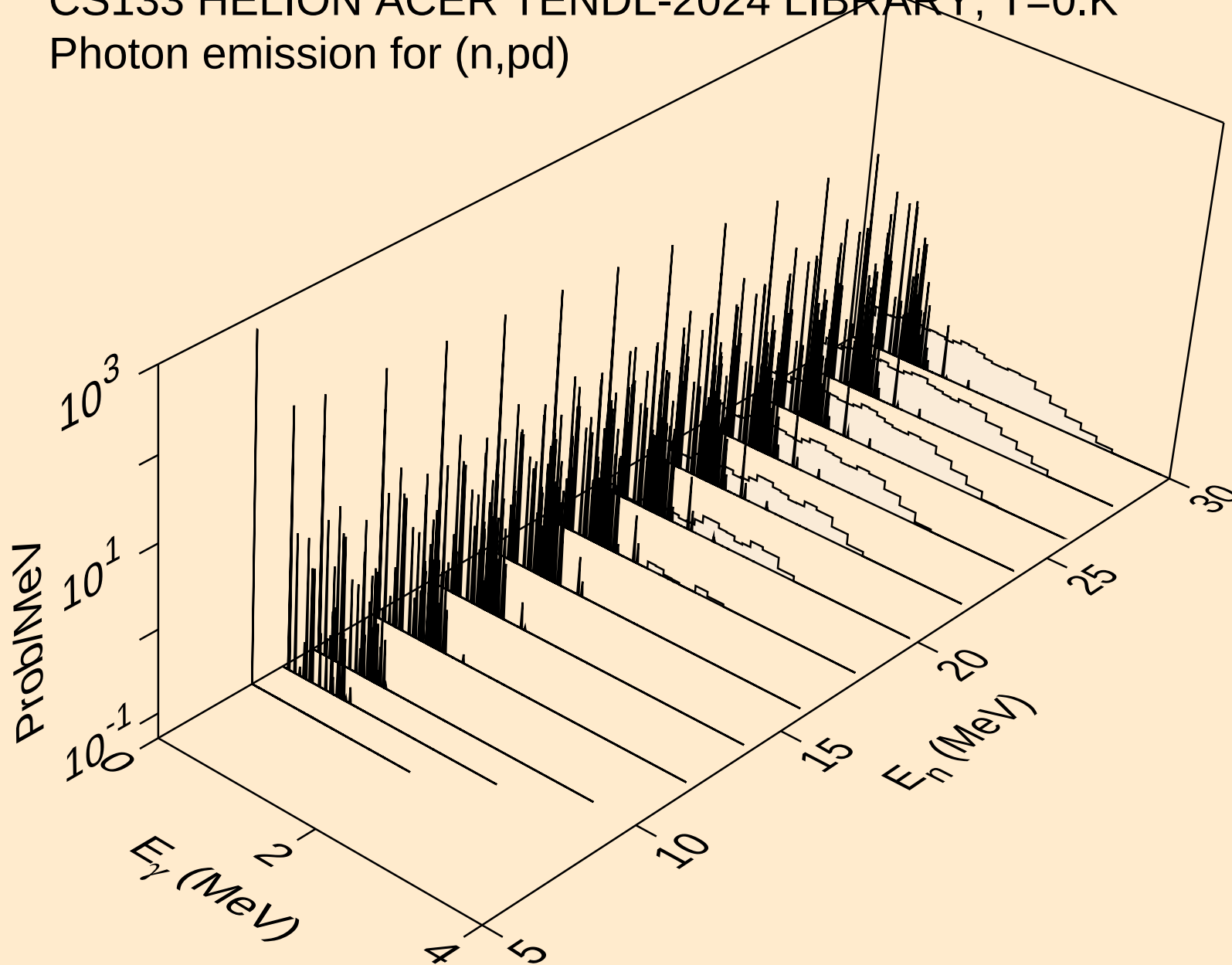
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pa)

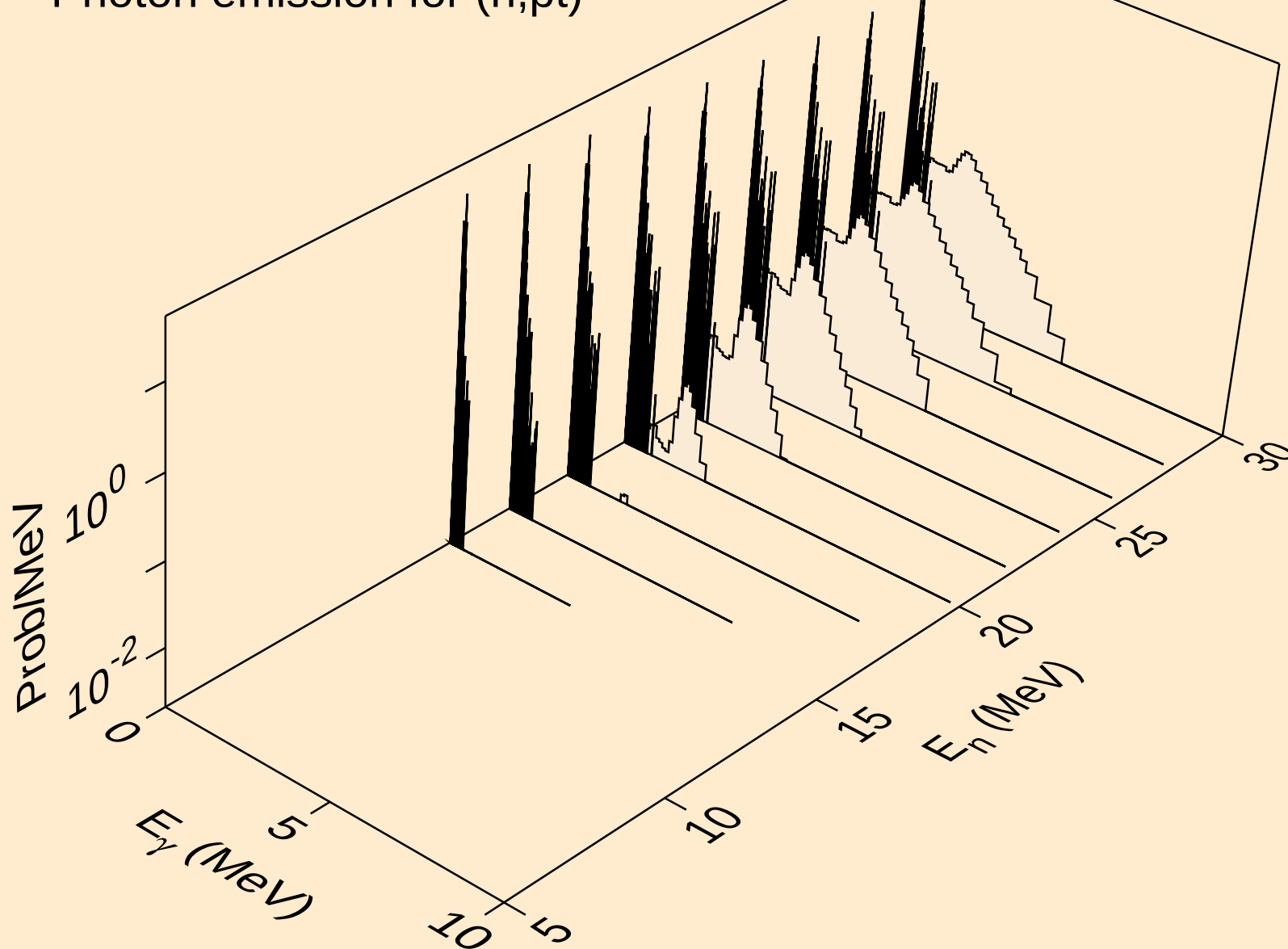


CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)

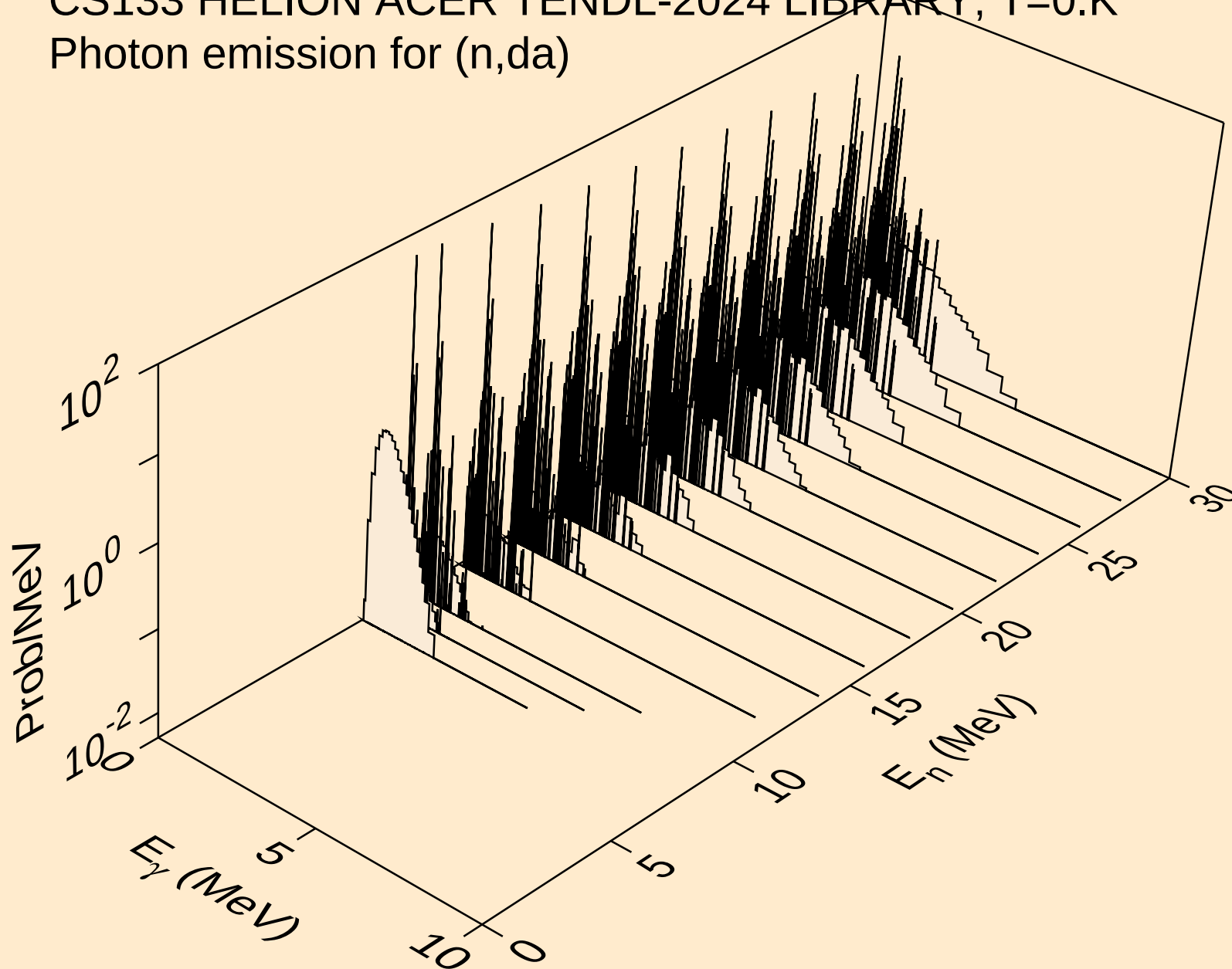


CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,pt)

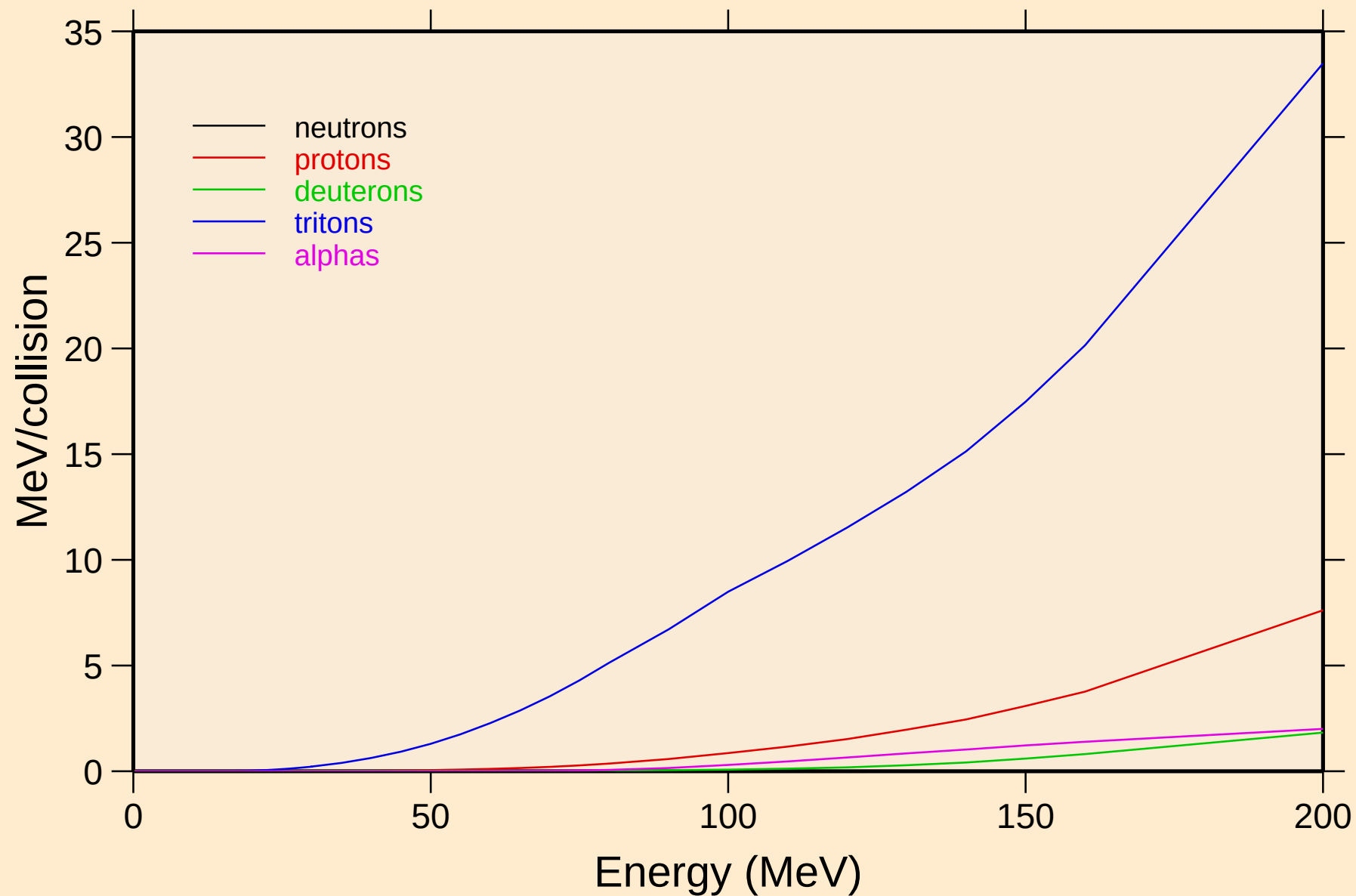


CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



# CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K

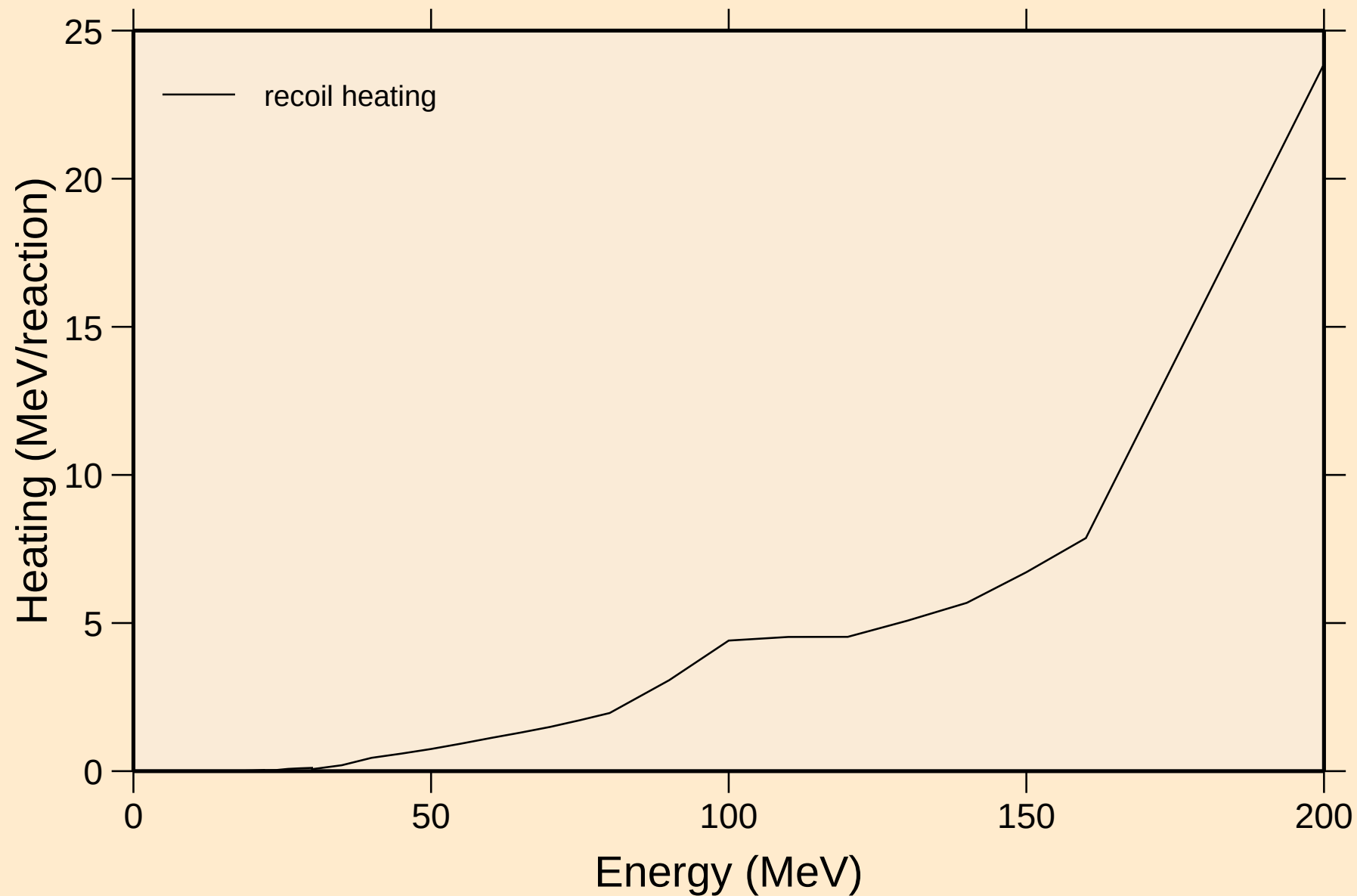
## Particle heating contributions





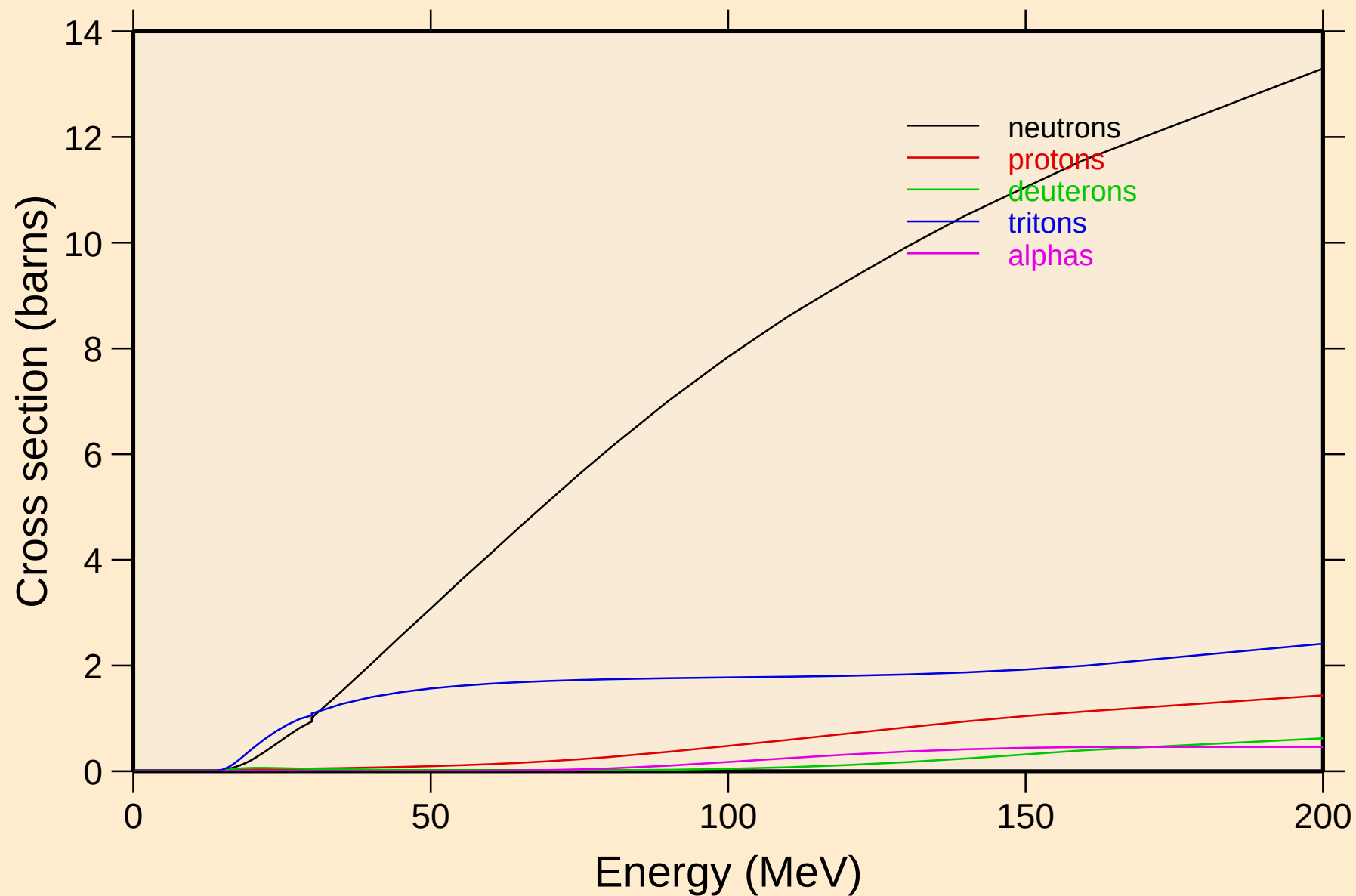
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K

Recoil Heating

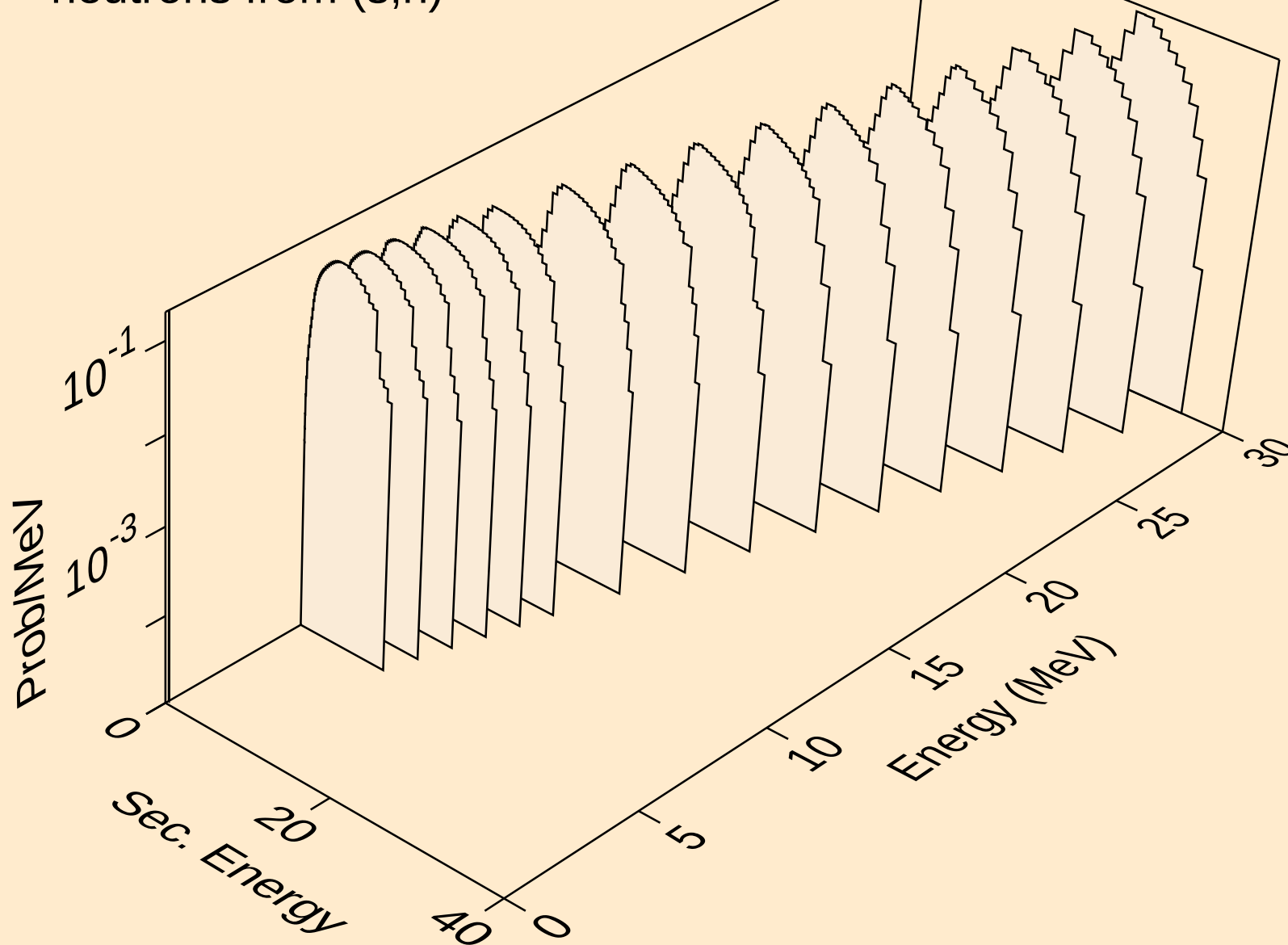


# CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K

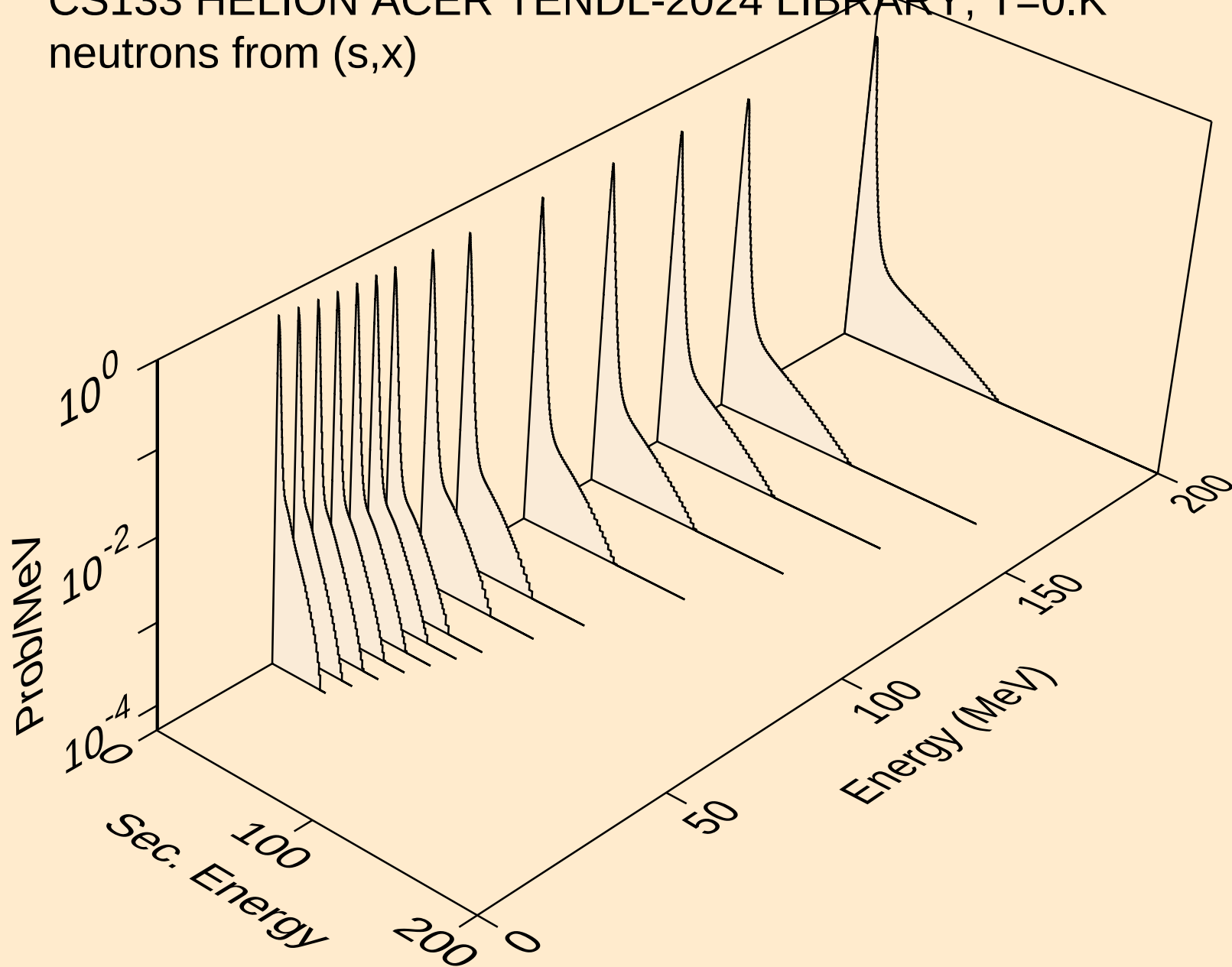
## Particle production cross sections



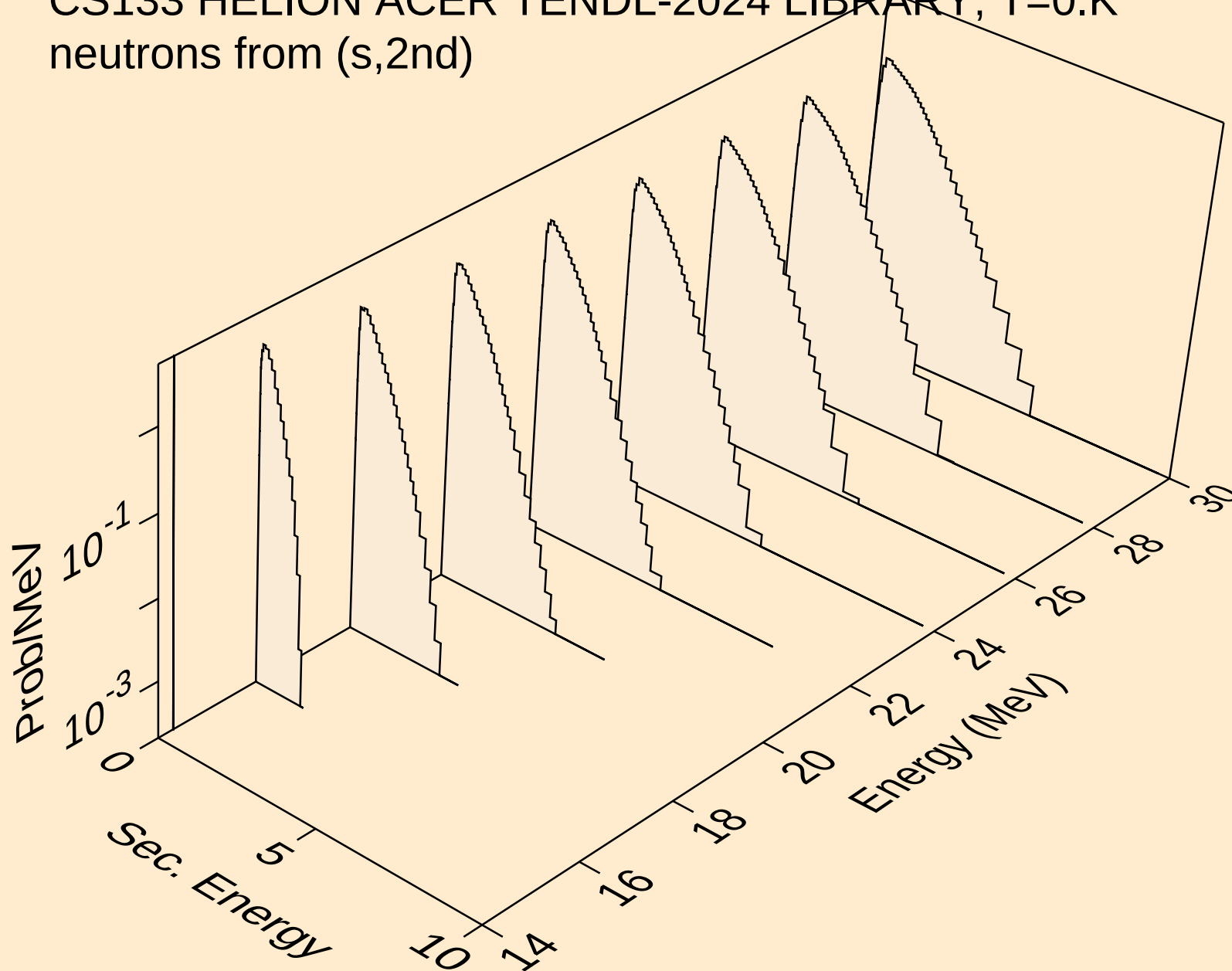
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n)



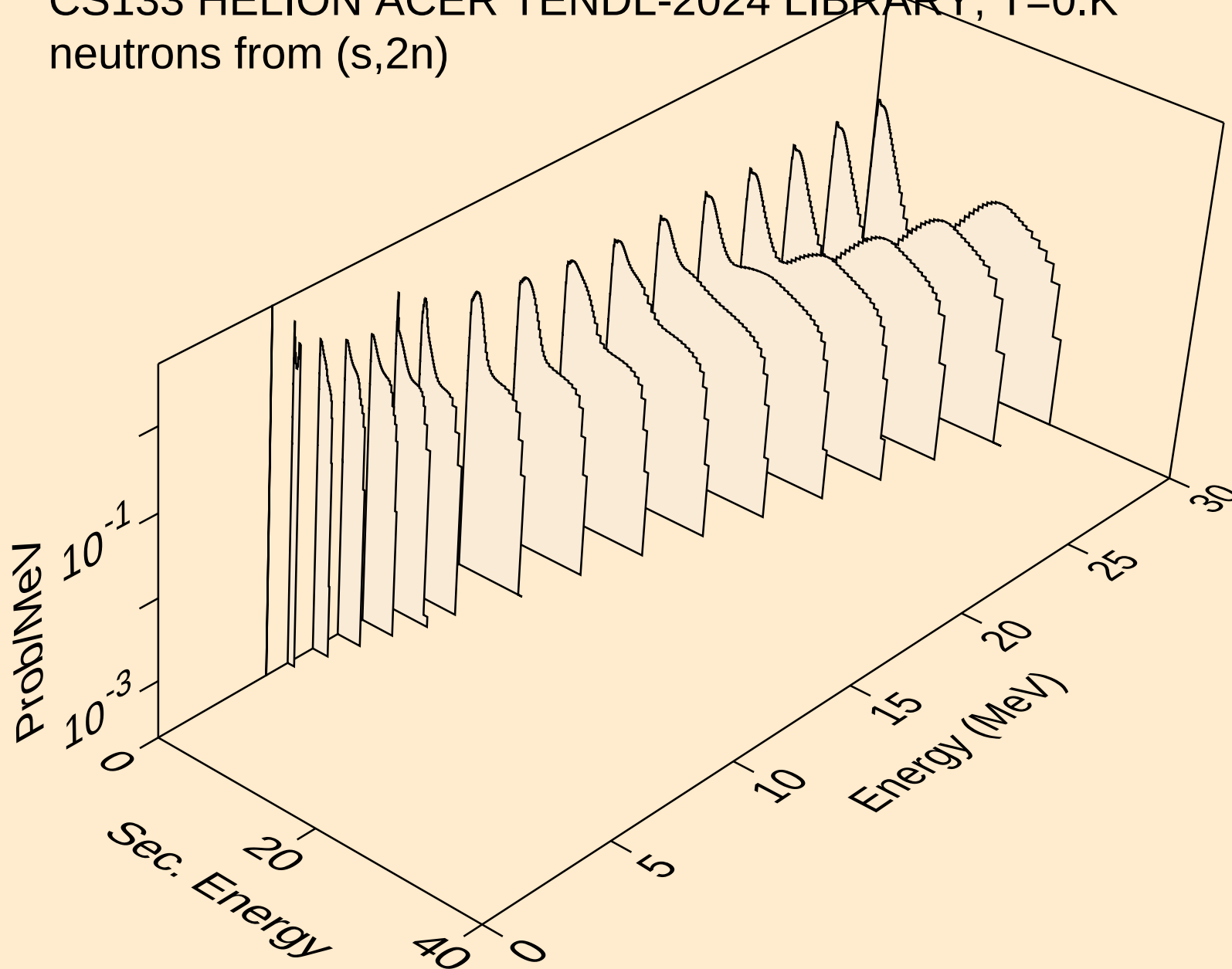
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,x)



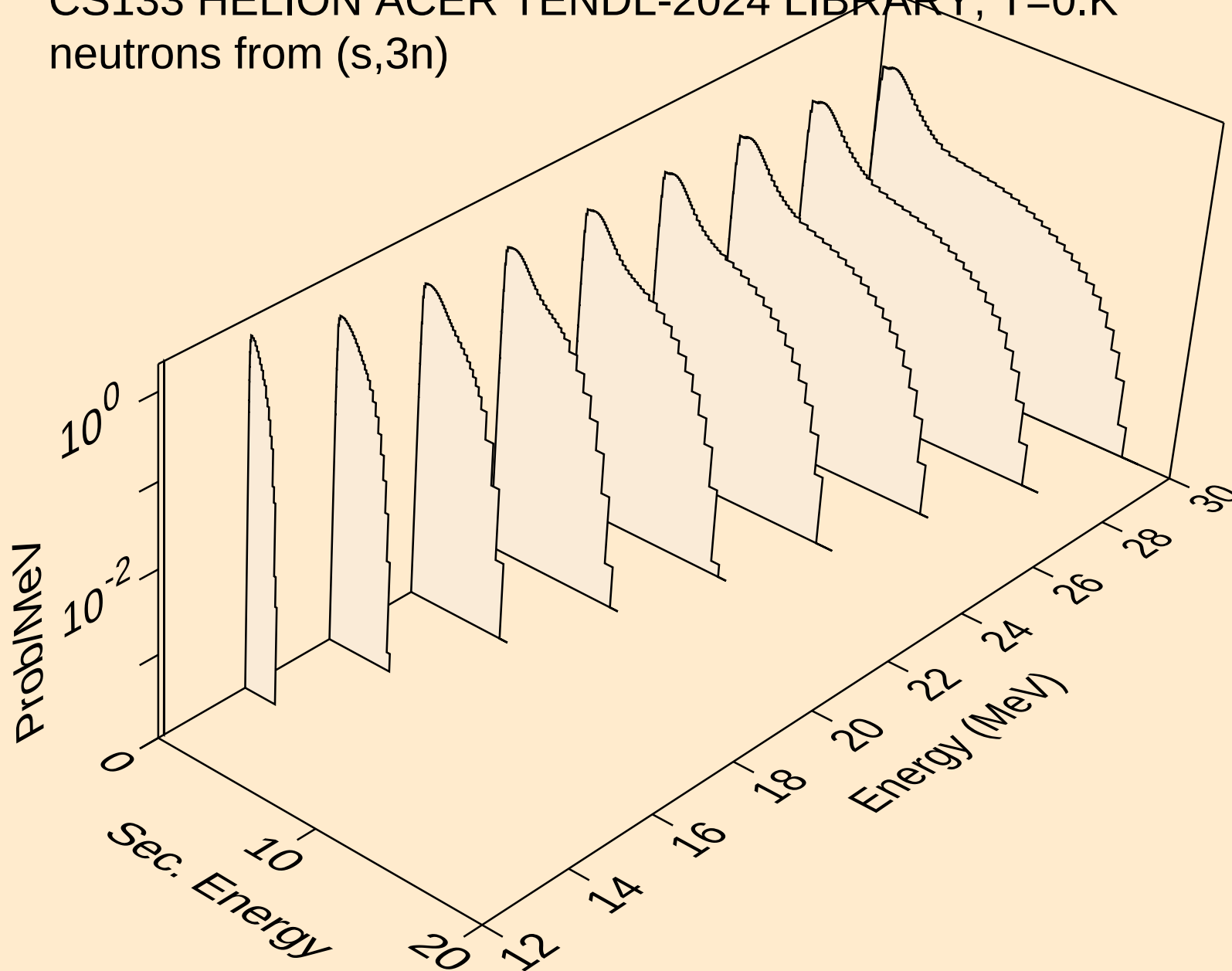
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,2nd)



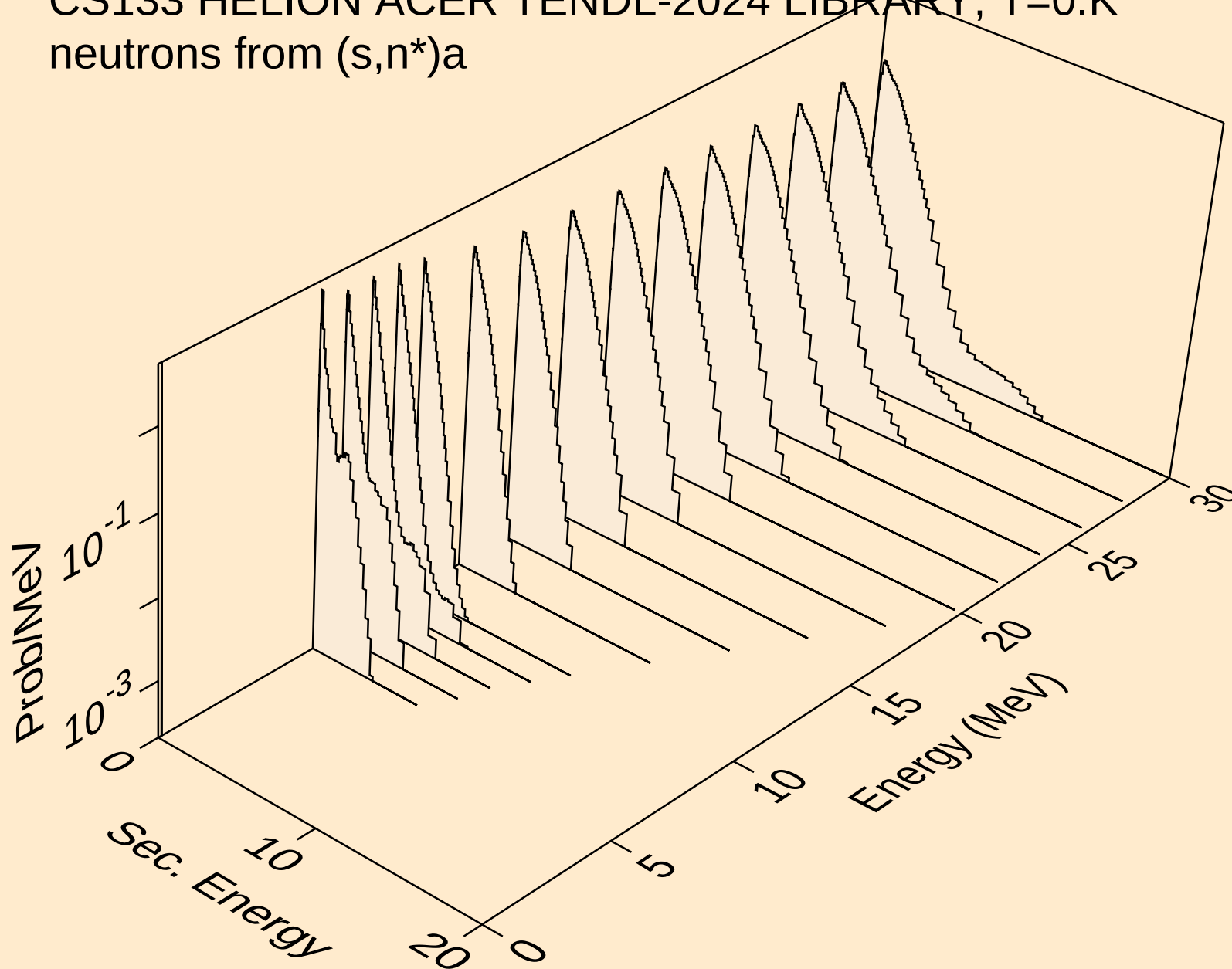
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,2n)



CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,3n)

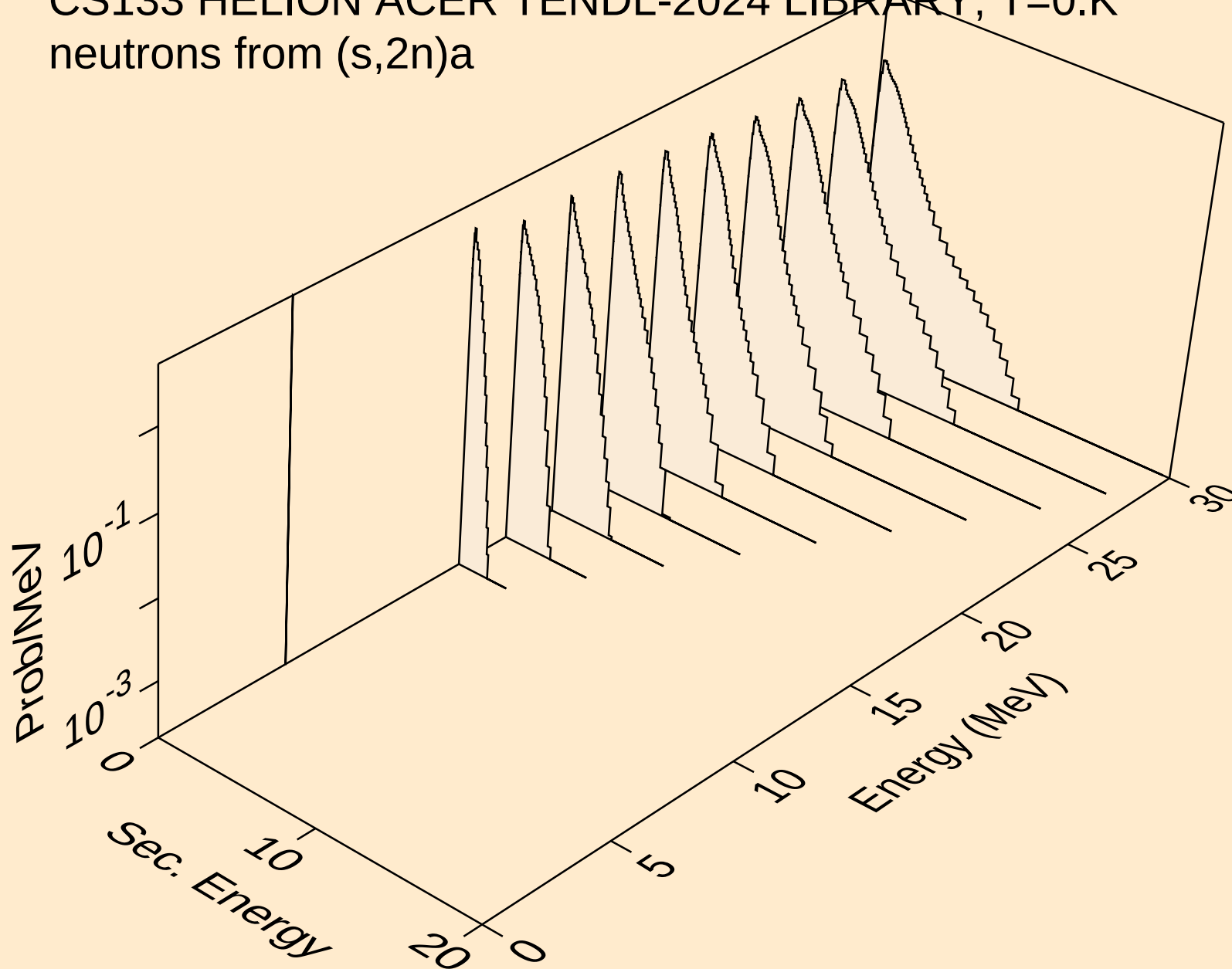


CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)a

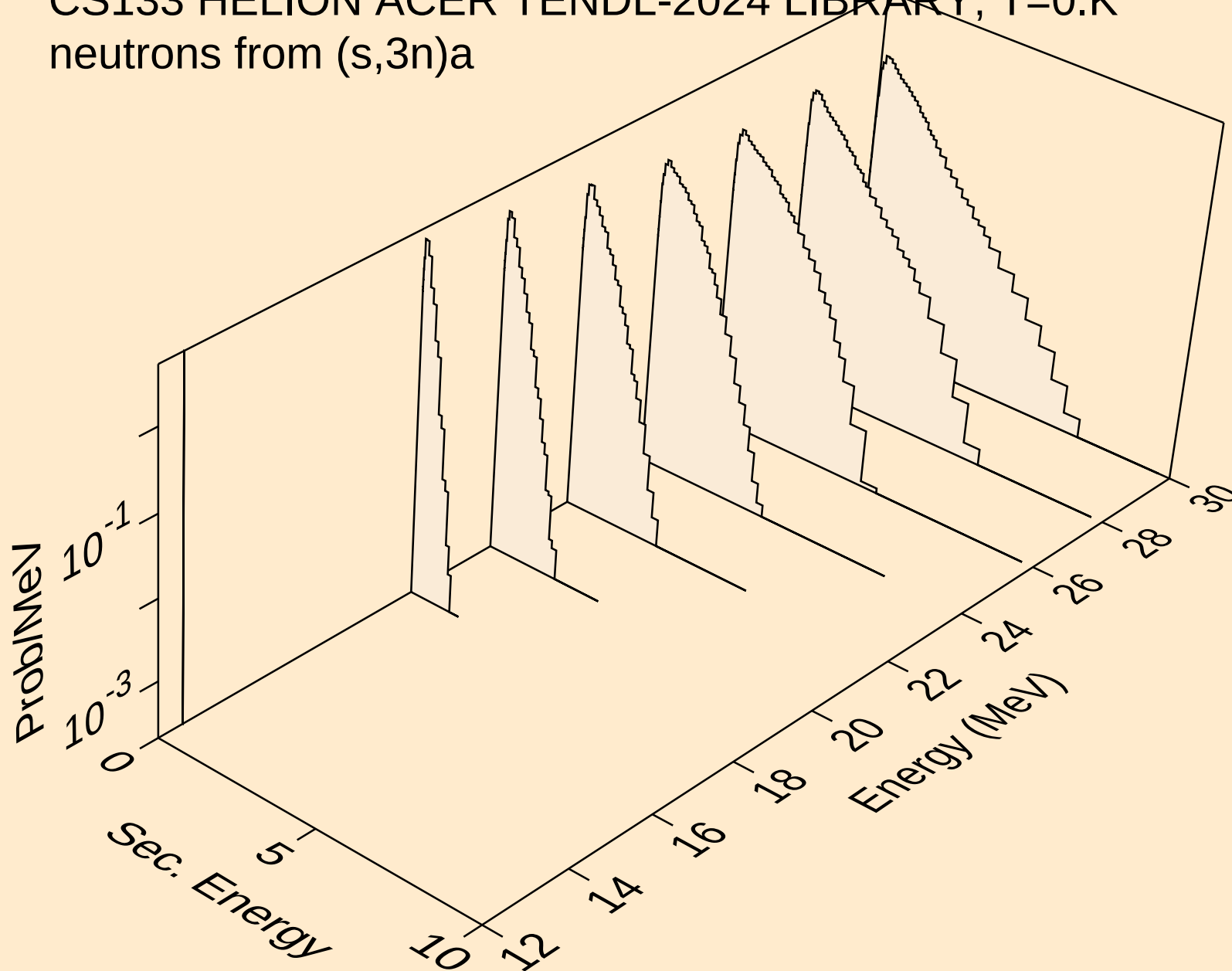




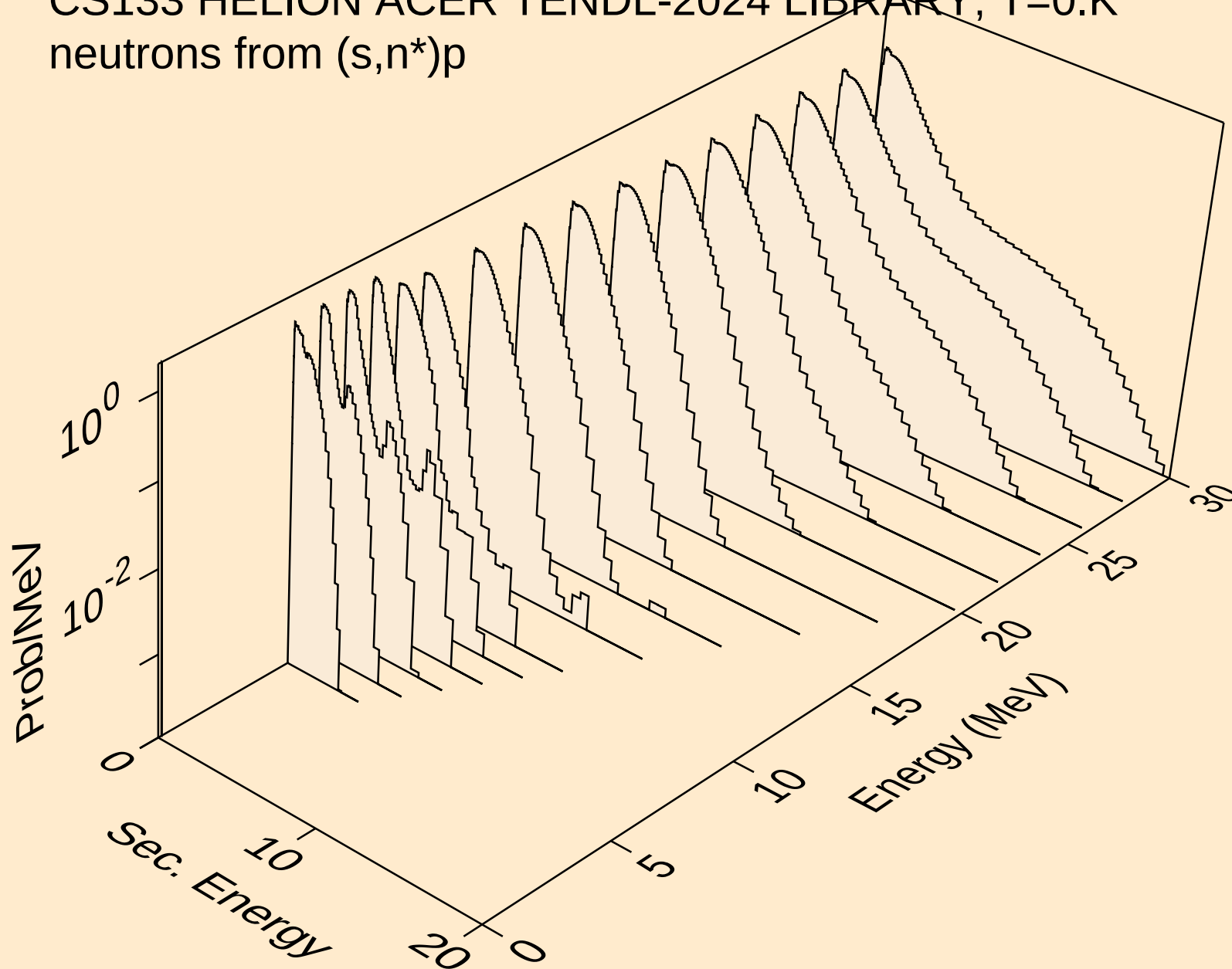
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,2n)a



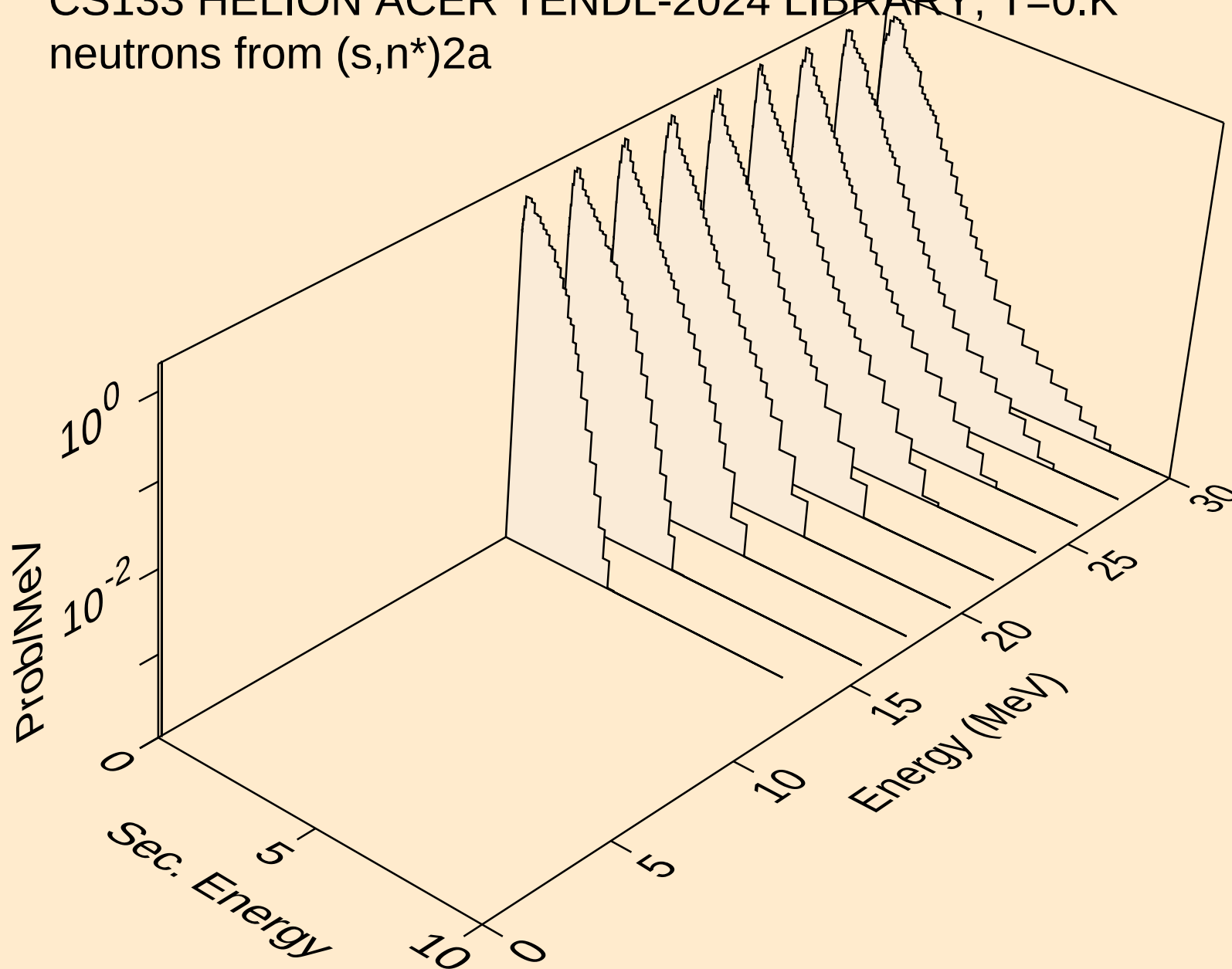
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,3n)a



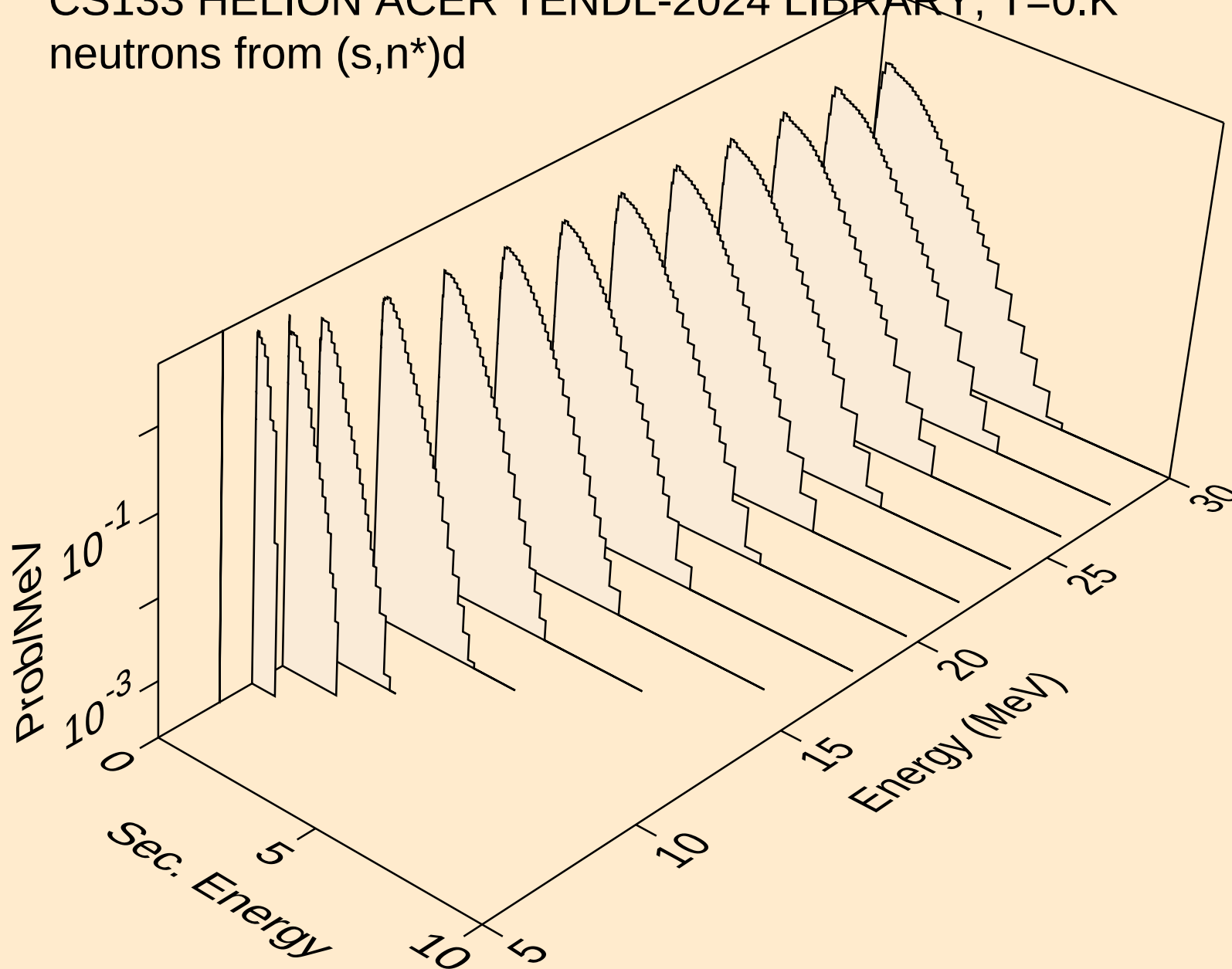
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)p



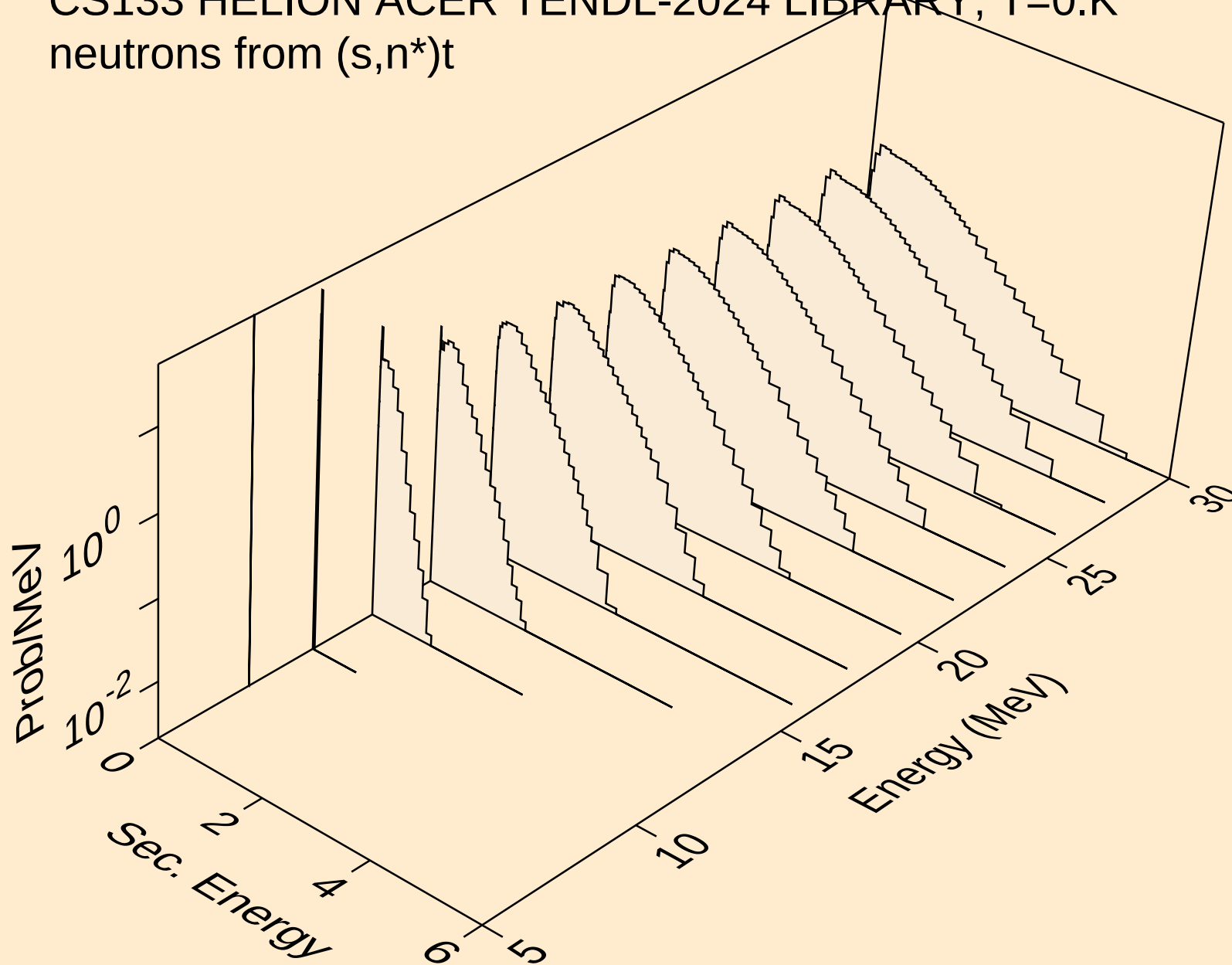
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)2a



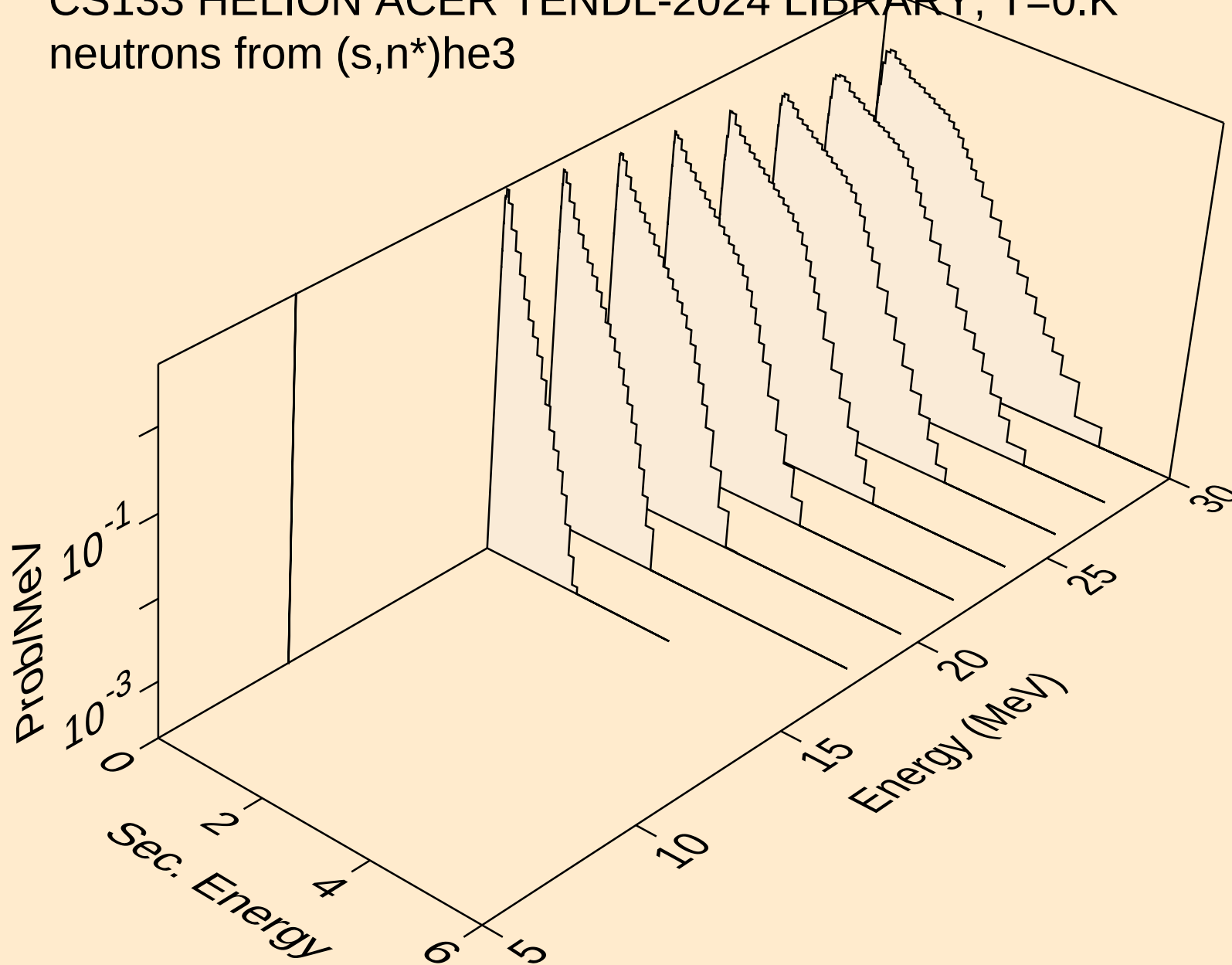
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)d



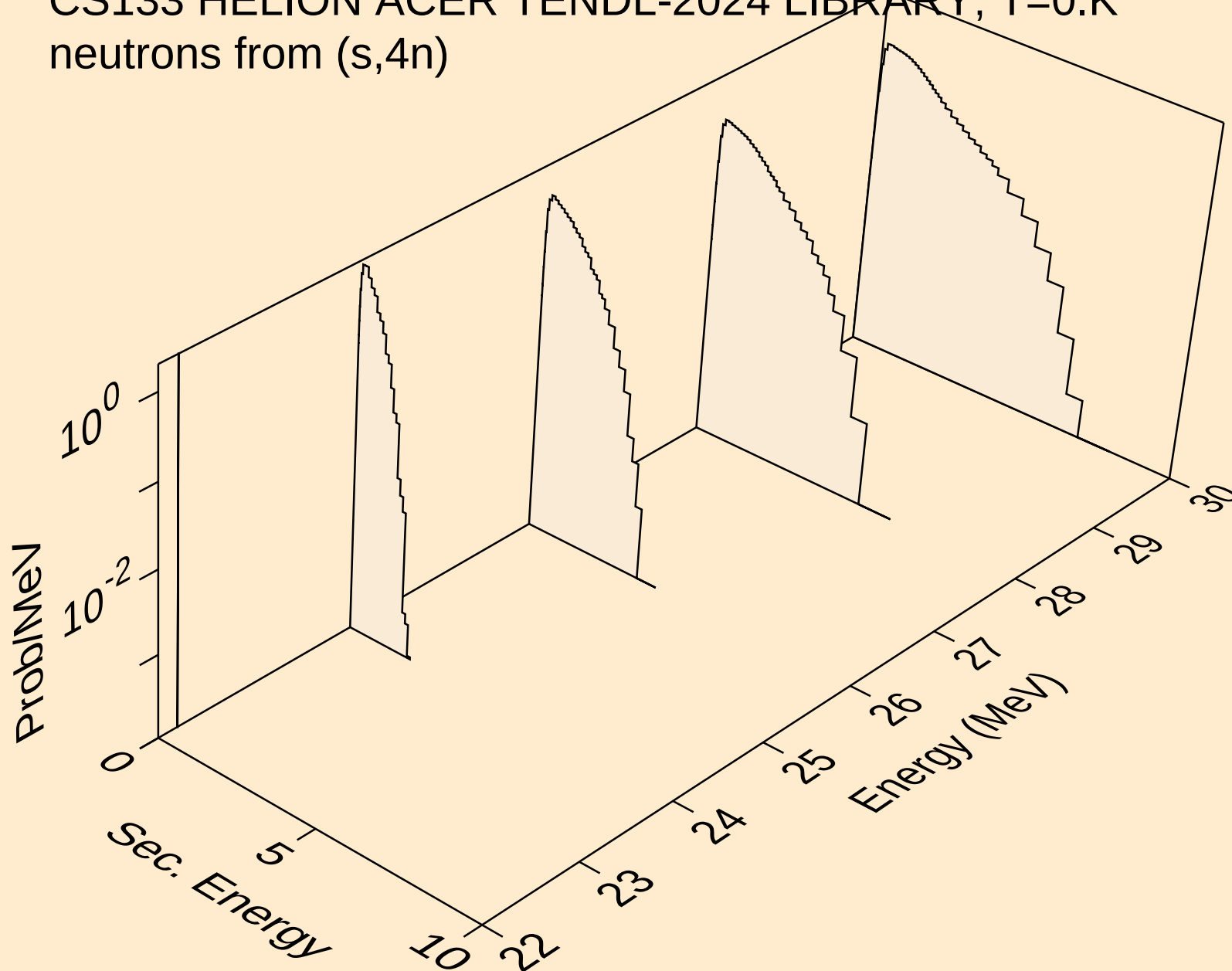
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)t



CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)he3

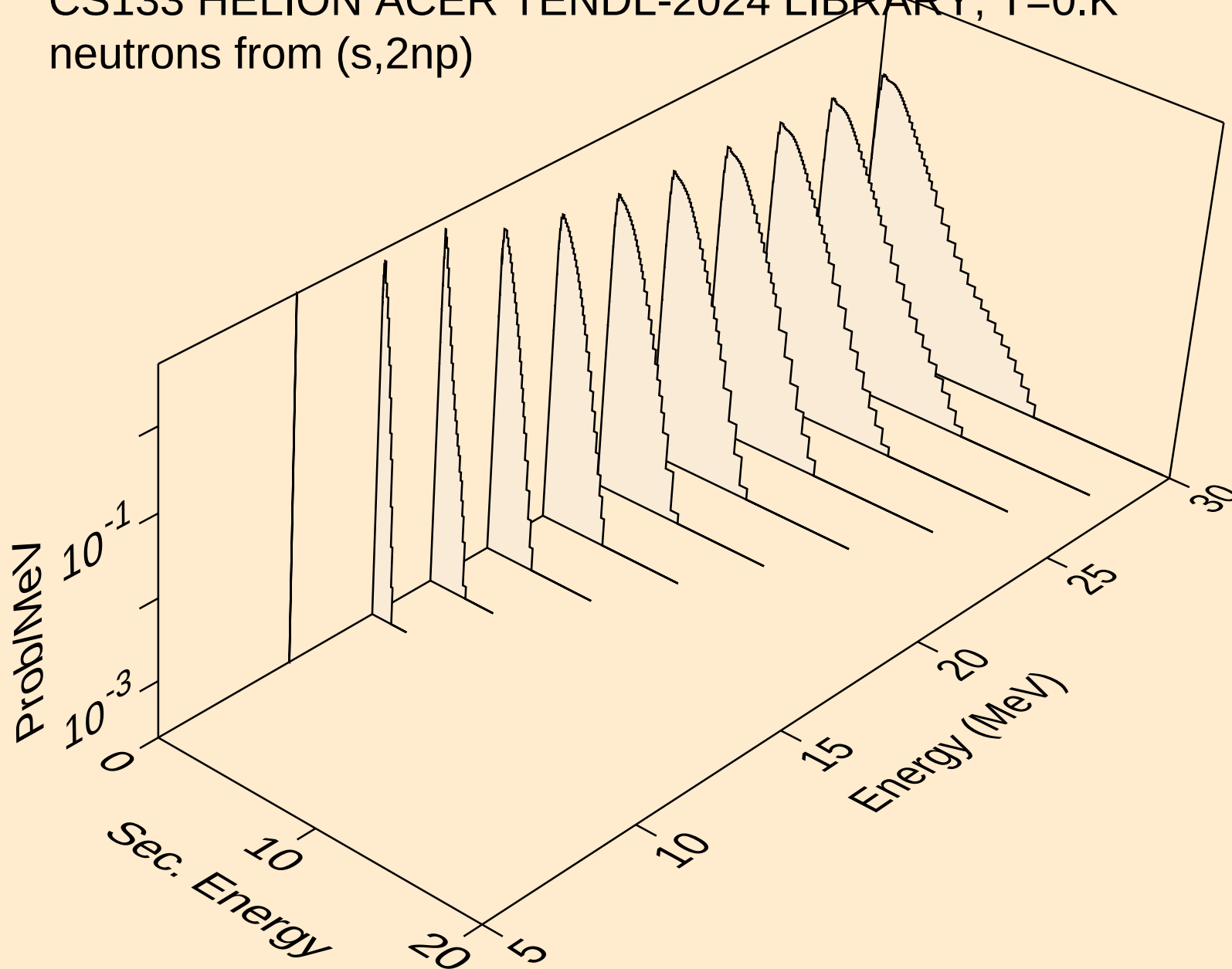


CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,4n)

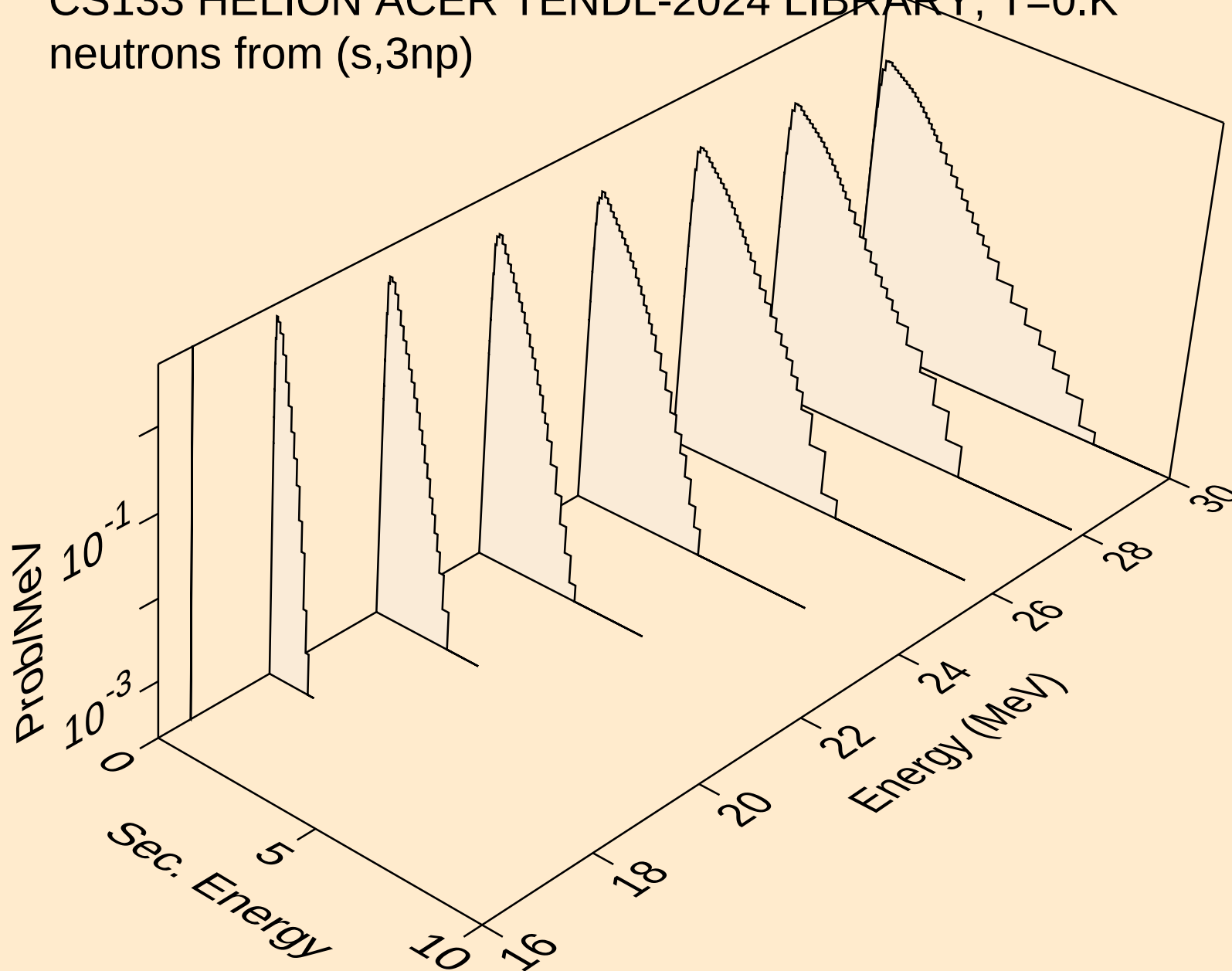




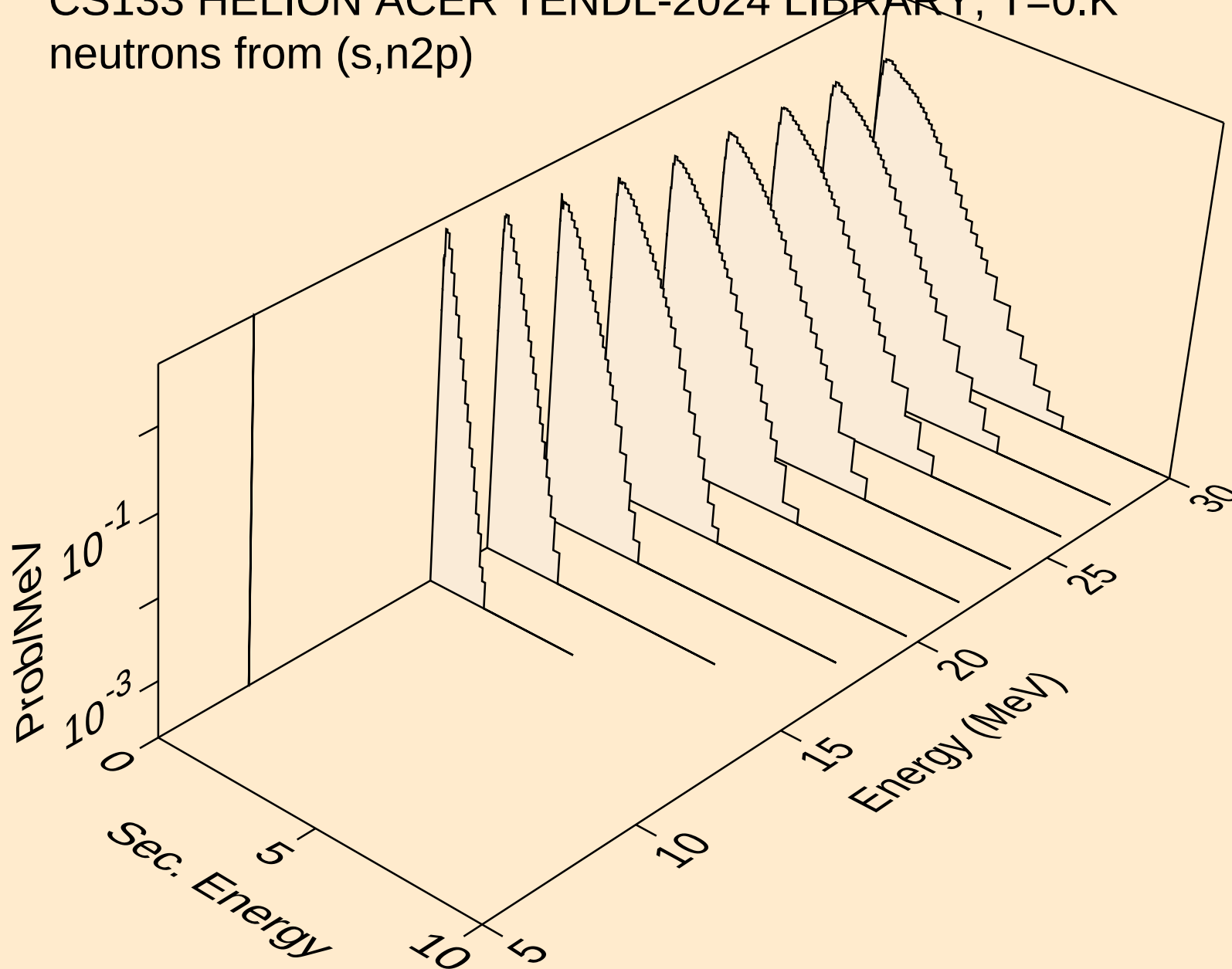
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,2np)



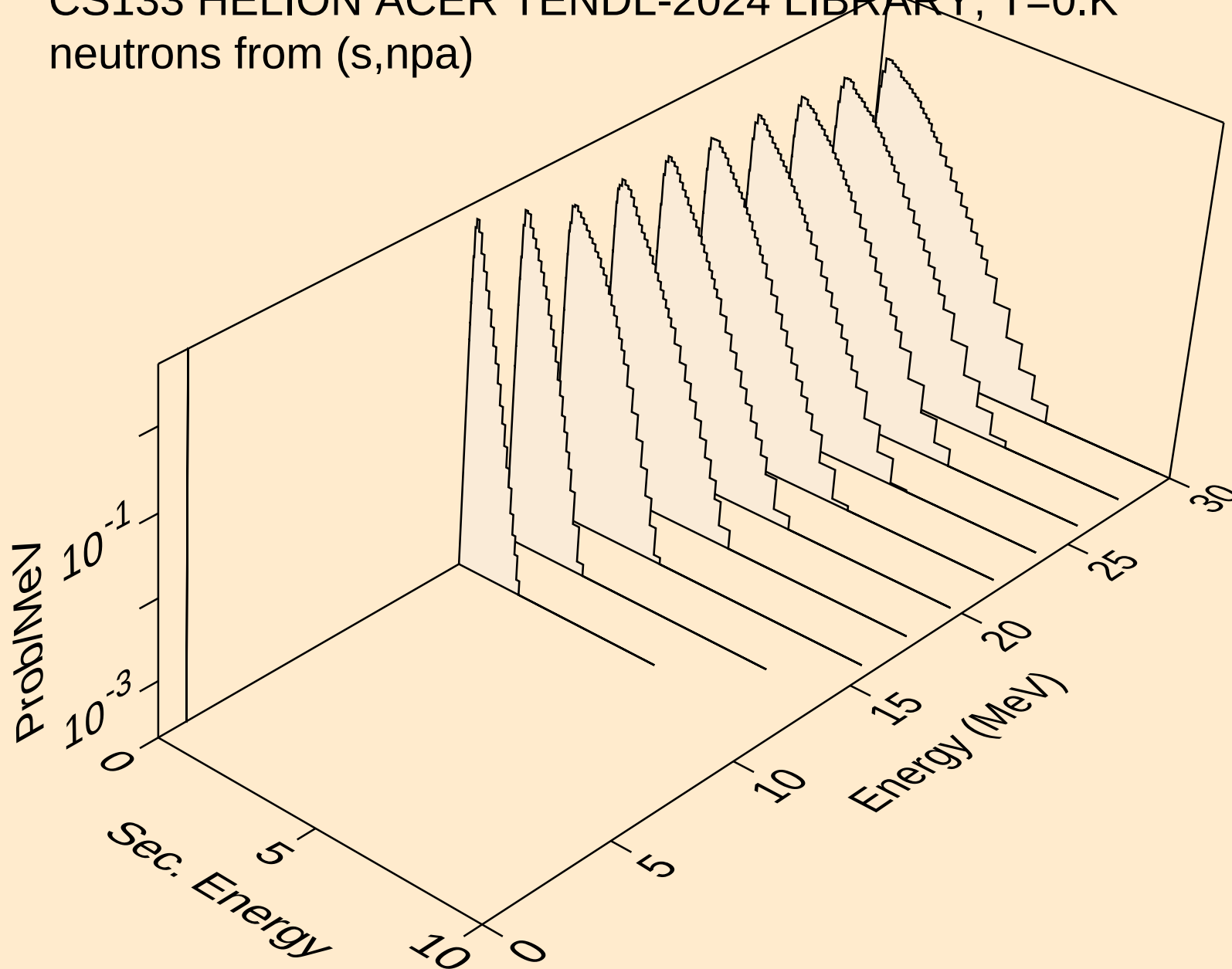
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,3np)



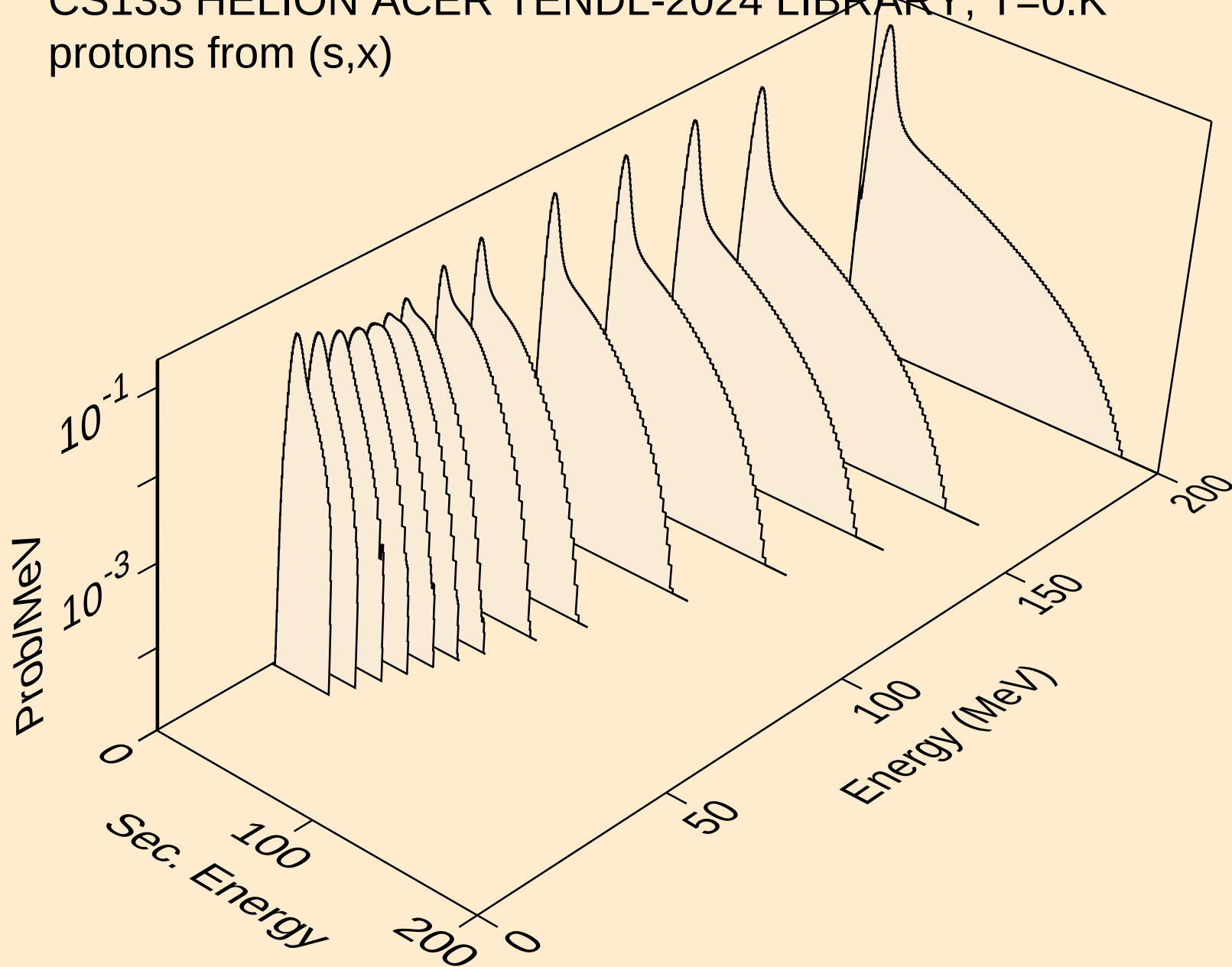
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n2p)



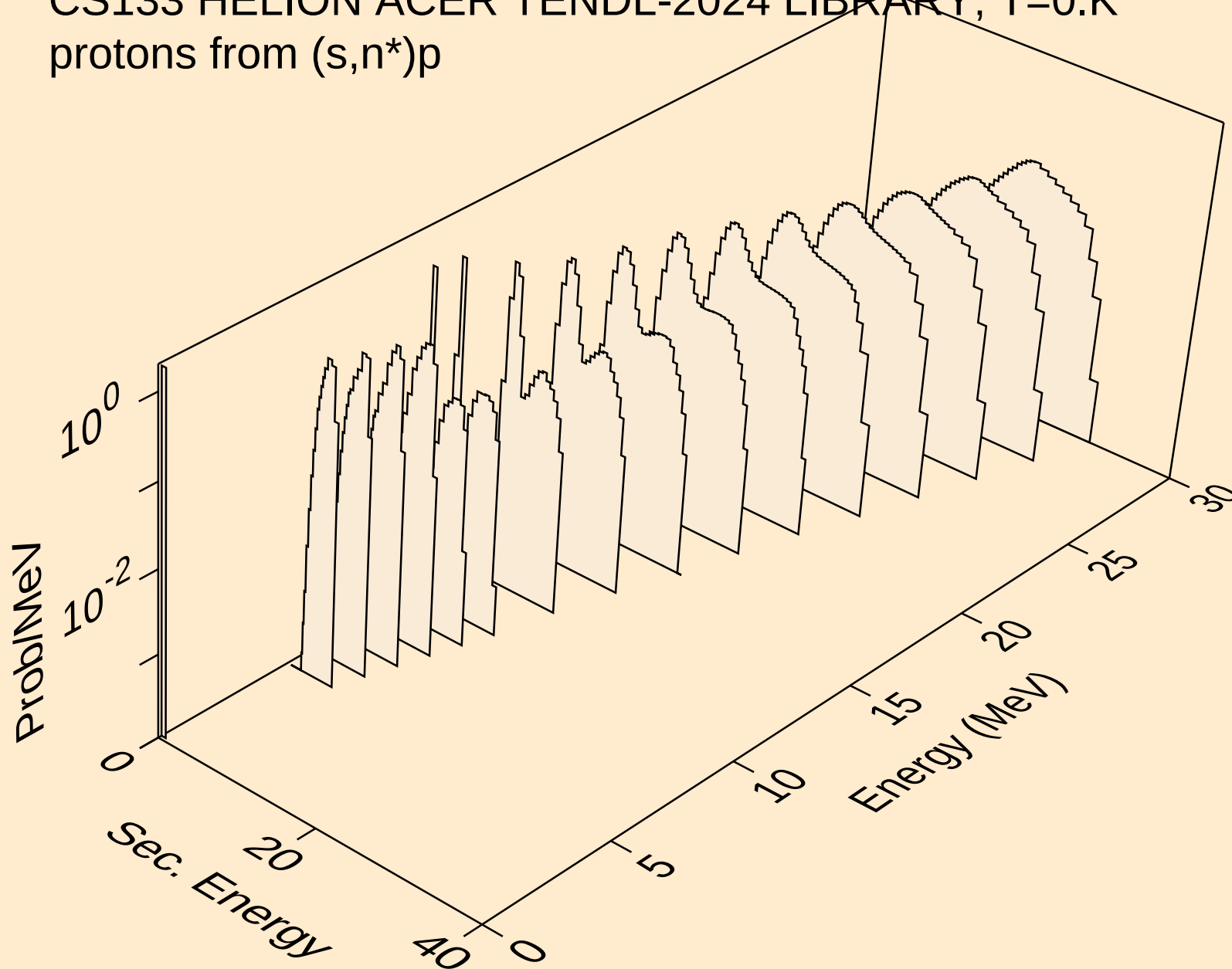
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,npa)



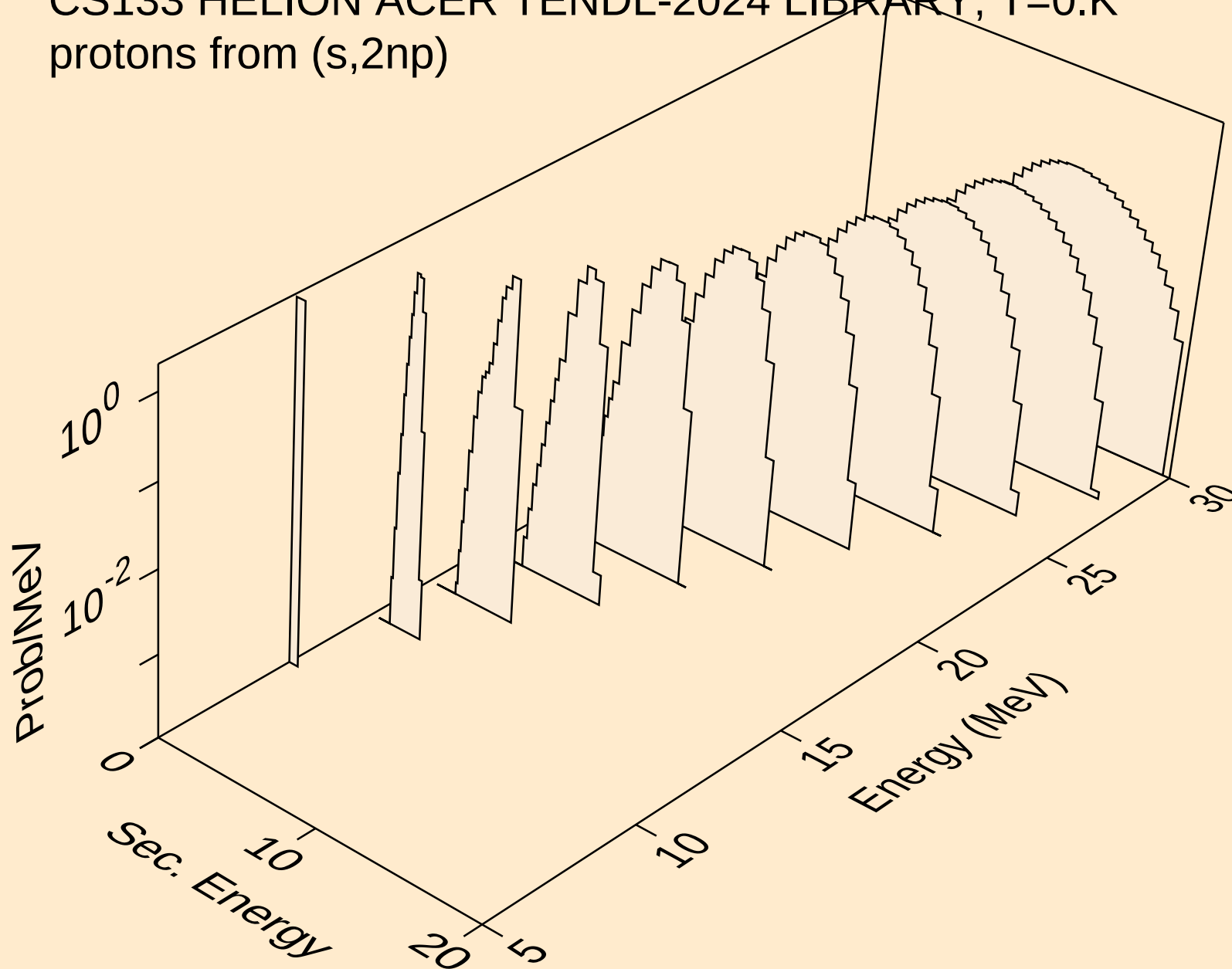
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,x)



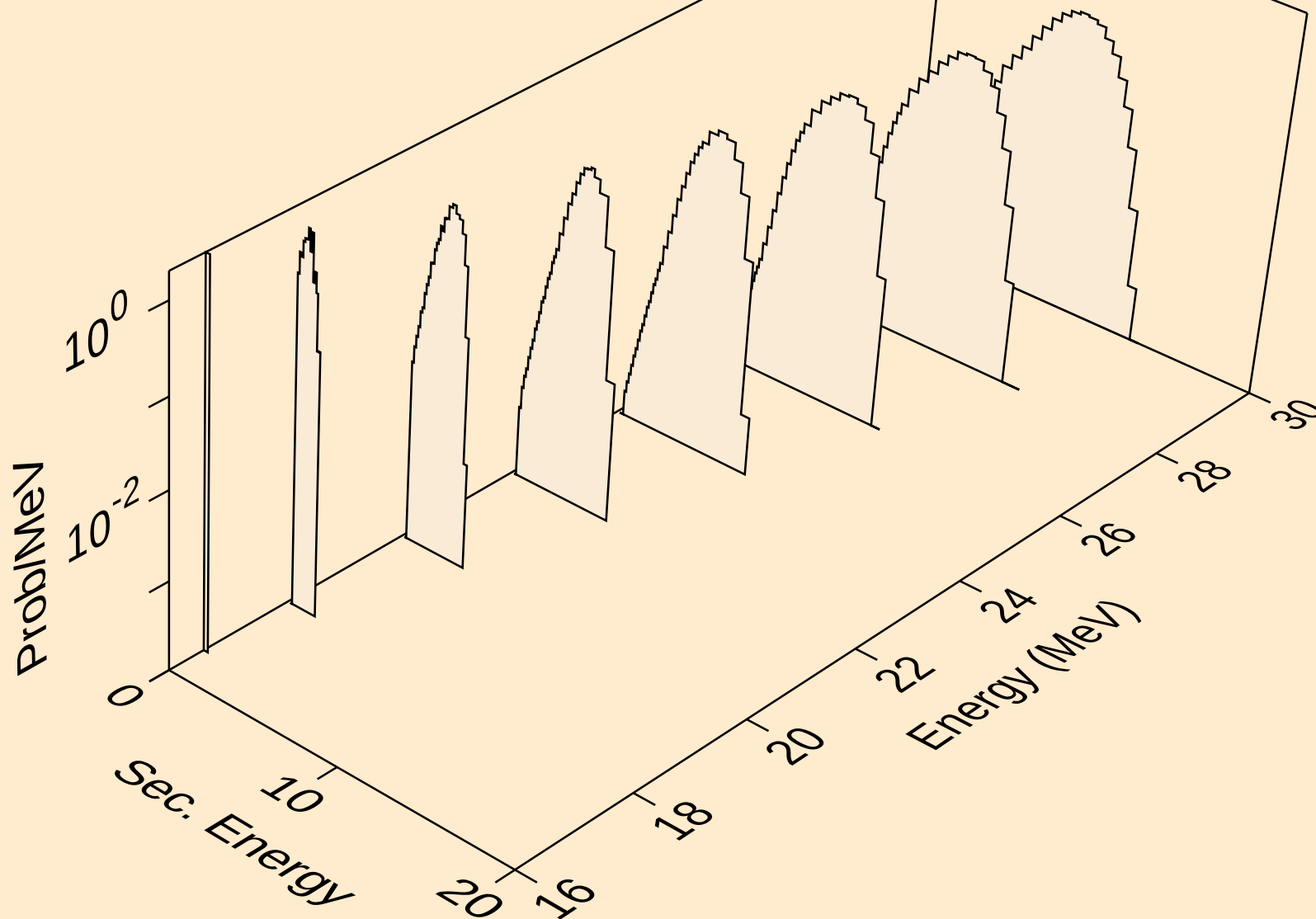
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,n\*)p



CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,2np)

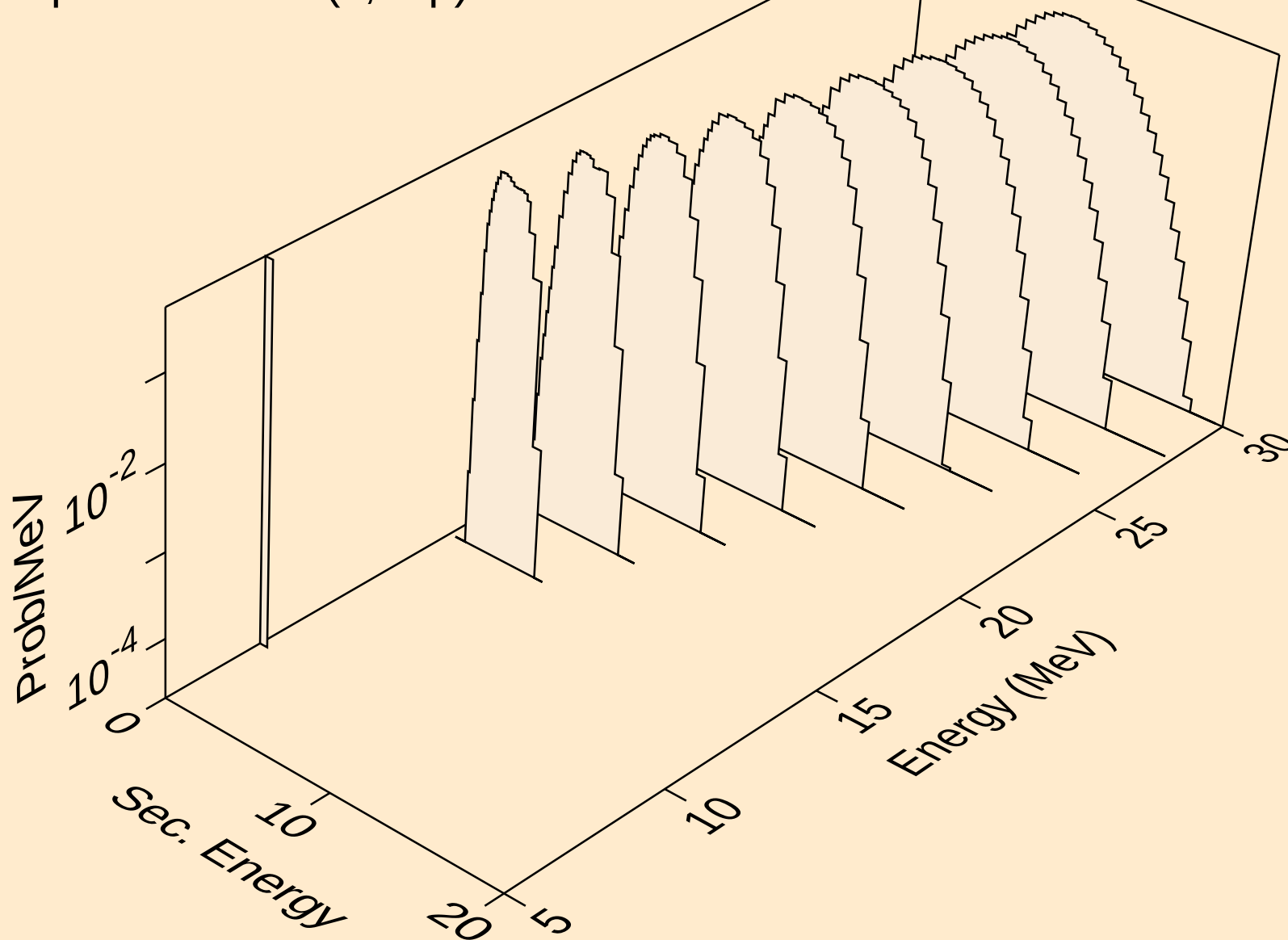


CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,3np)

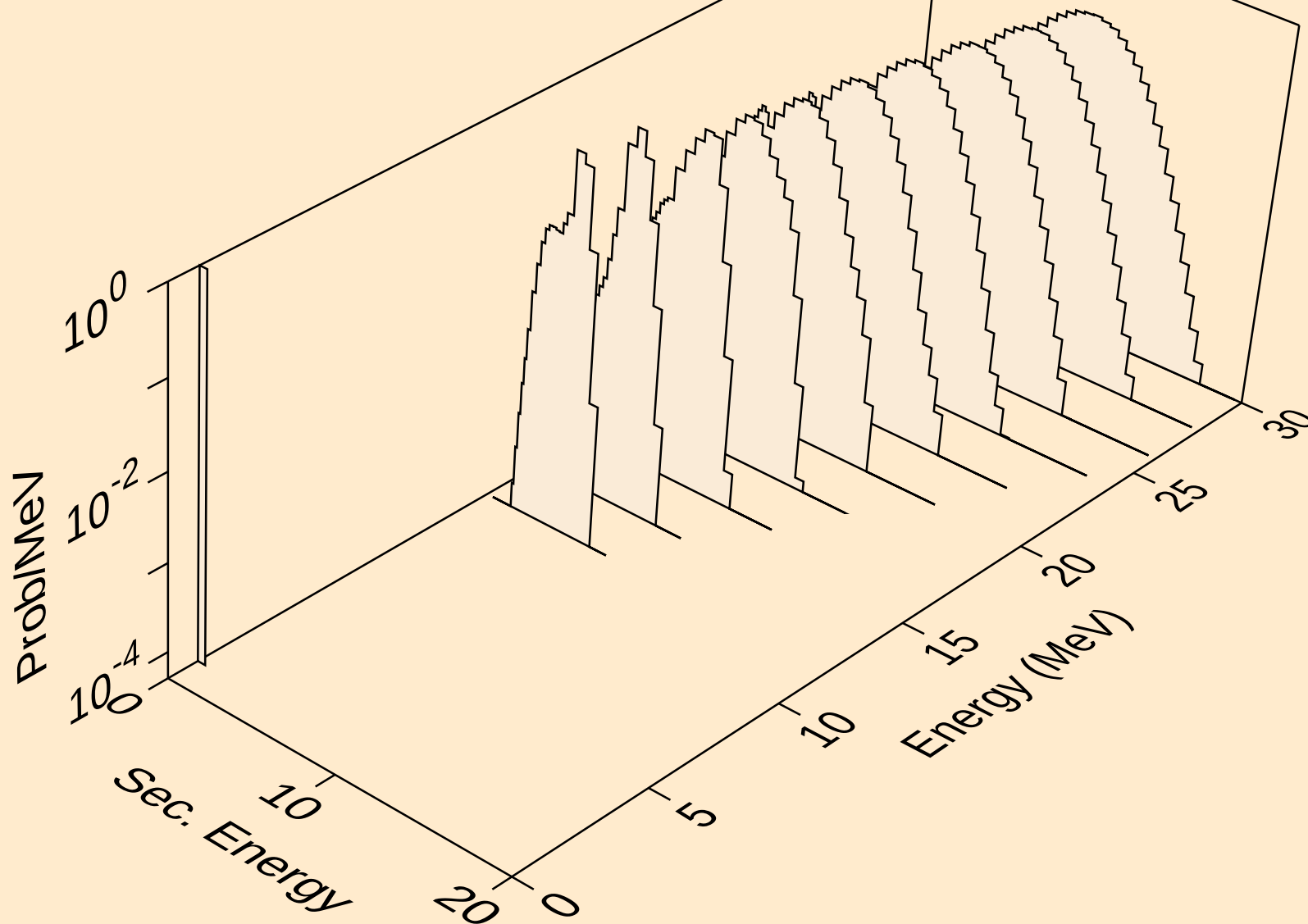




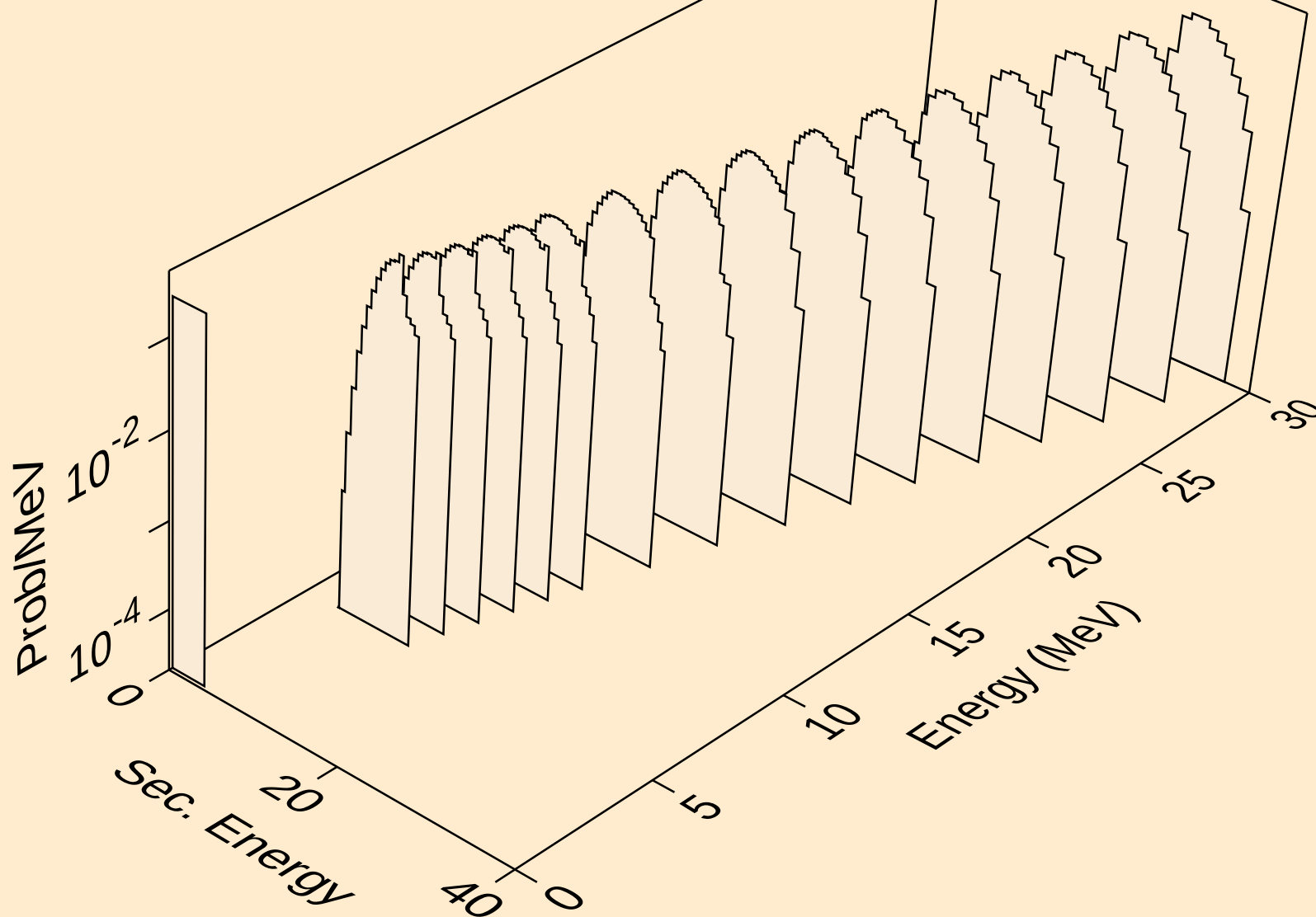
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protons from (s,n2p)



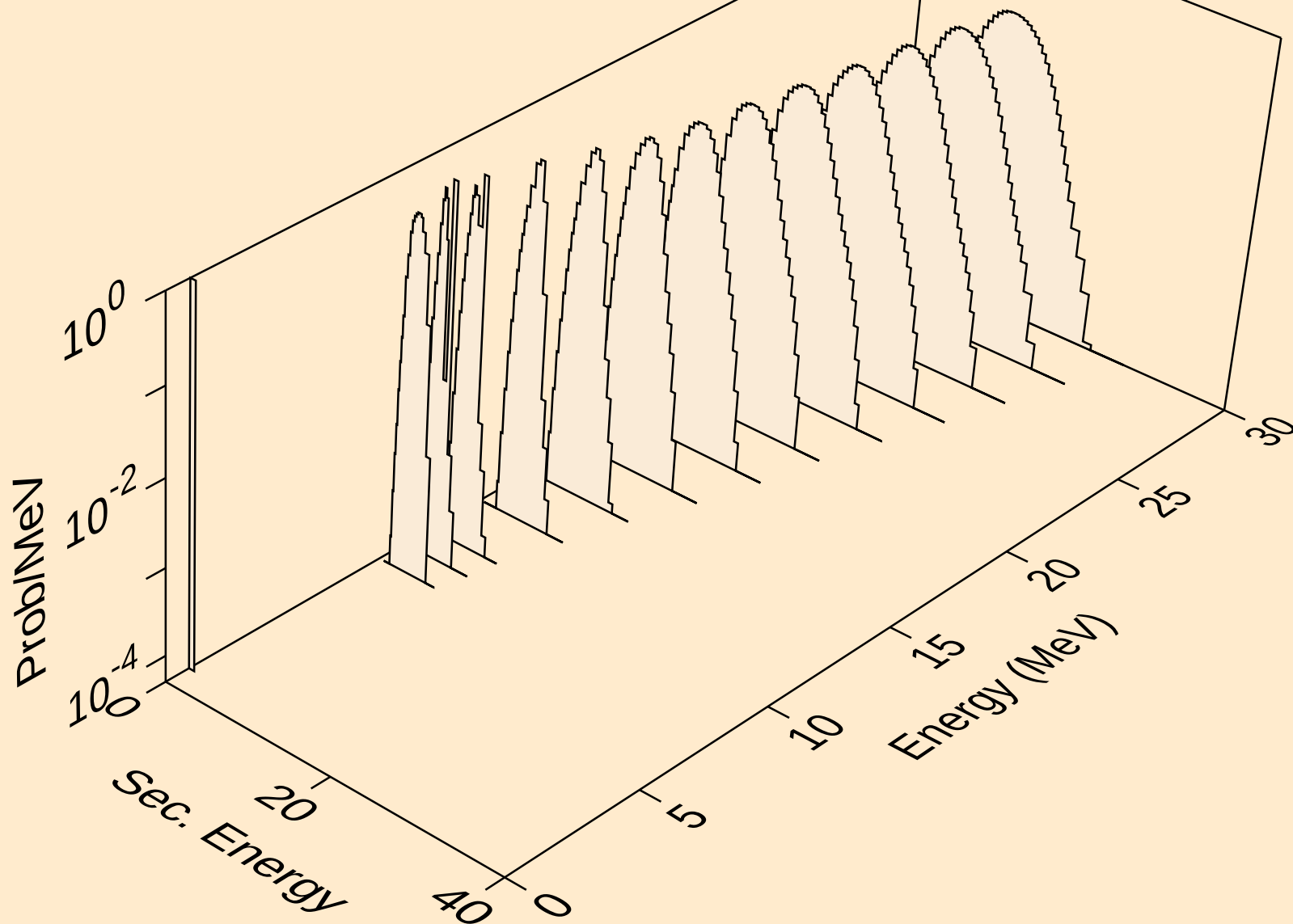
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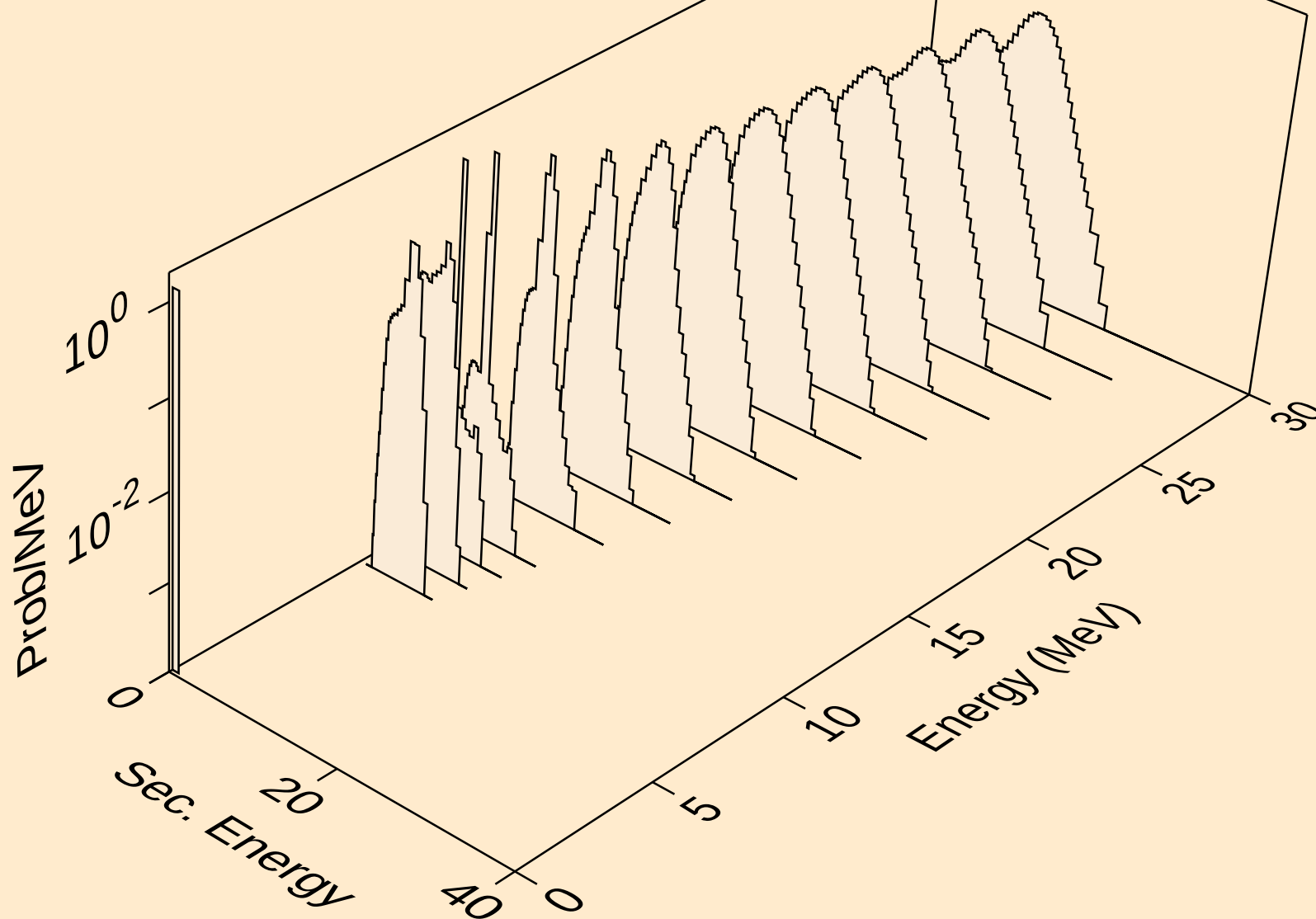
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protons from (s,p)



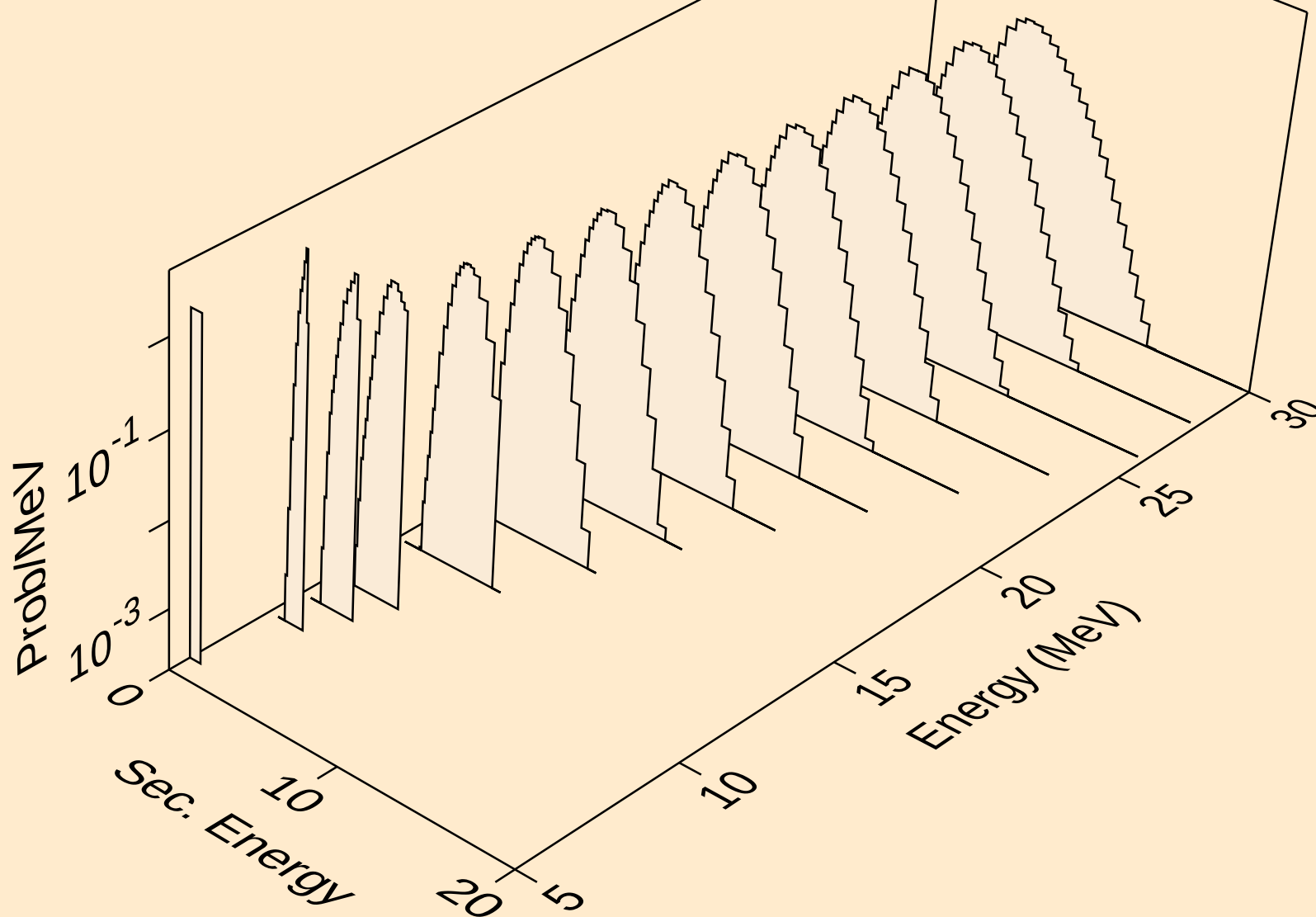
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protons from (s,2p)



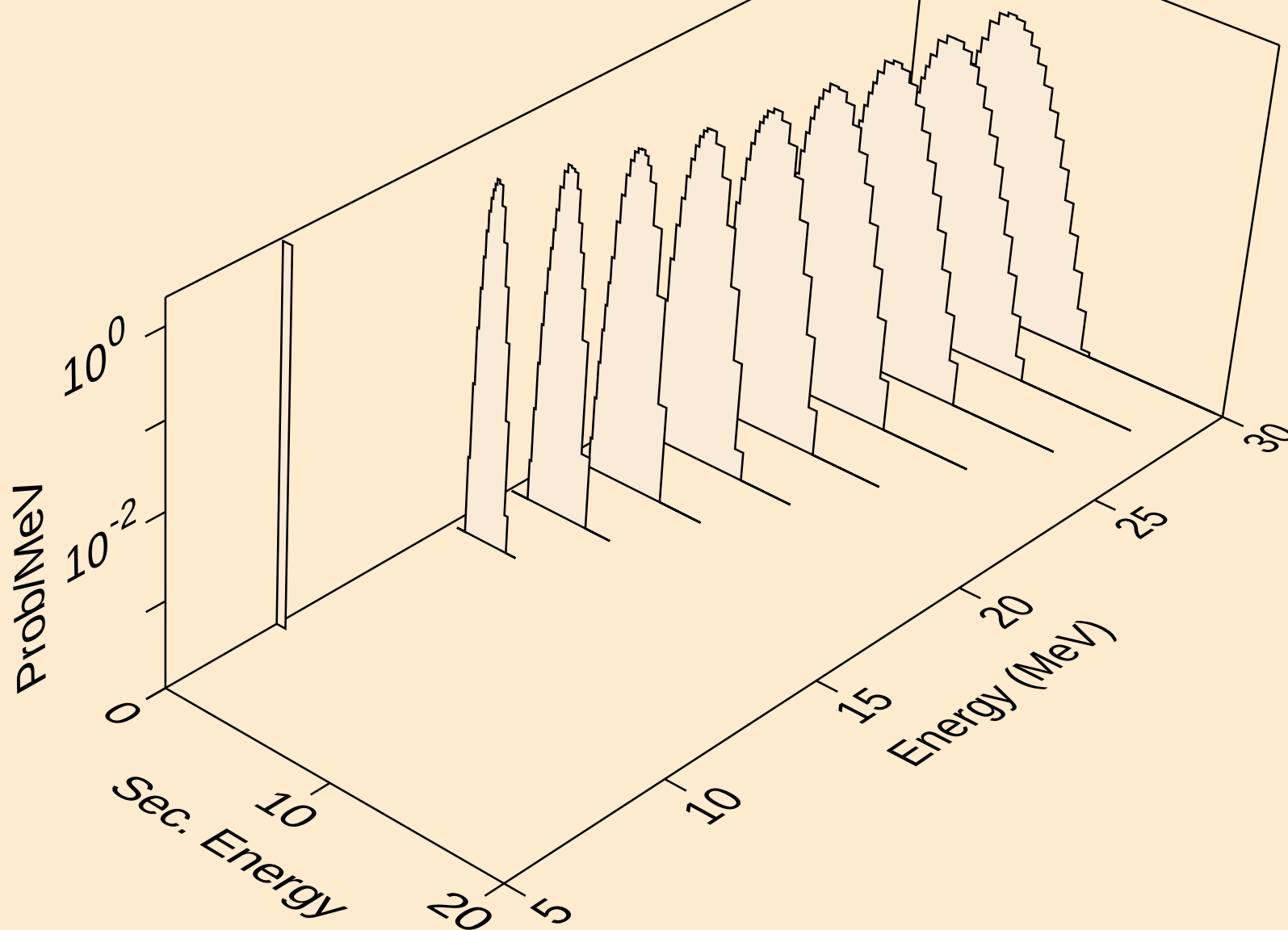
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protons from (s,pa)



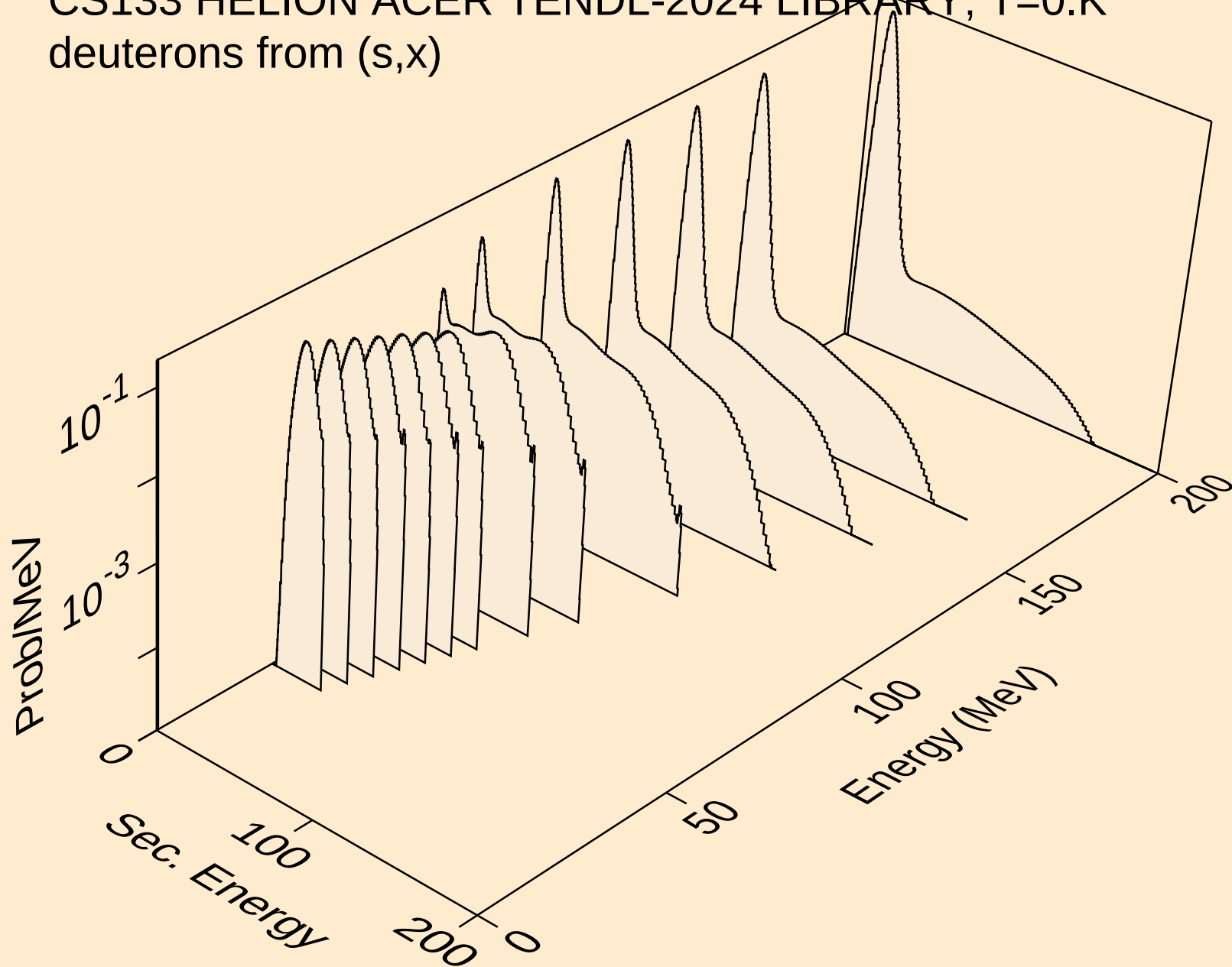
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,pd)



CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,pt)

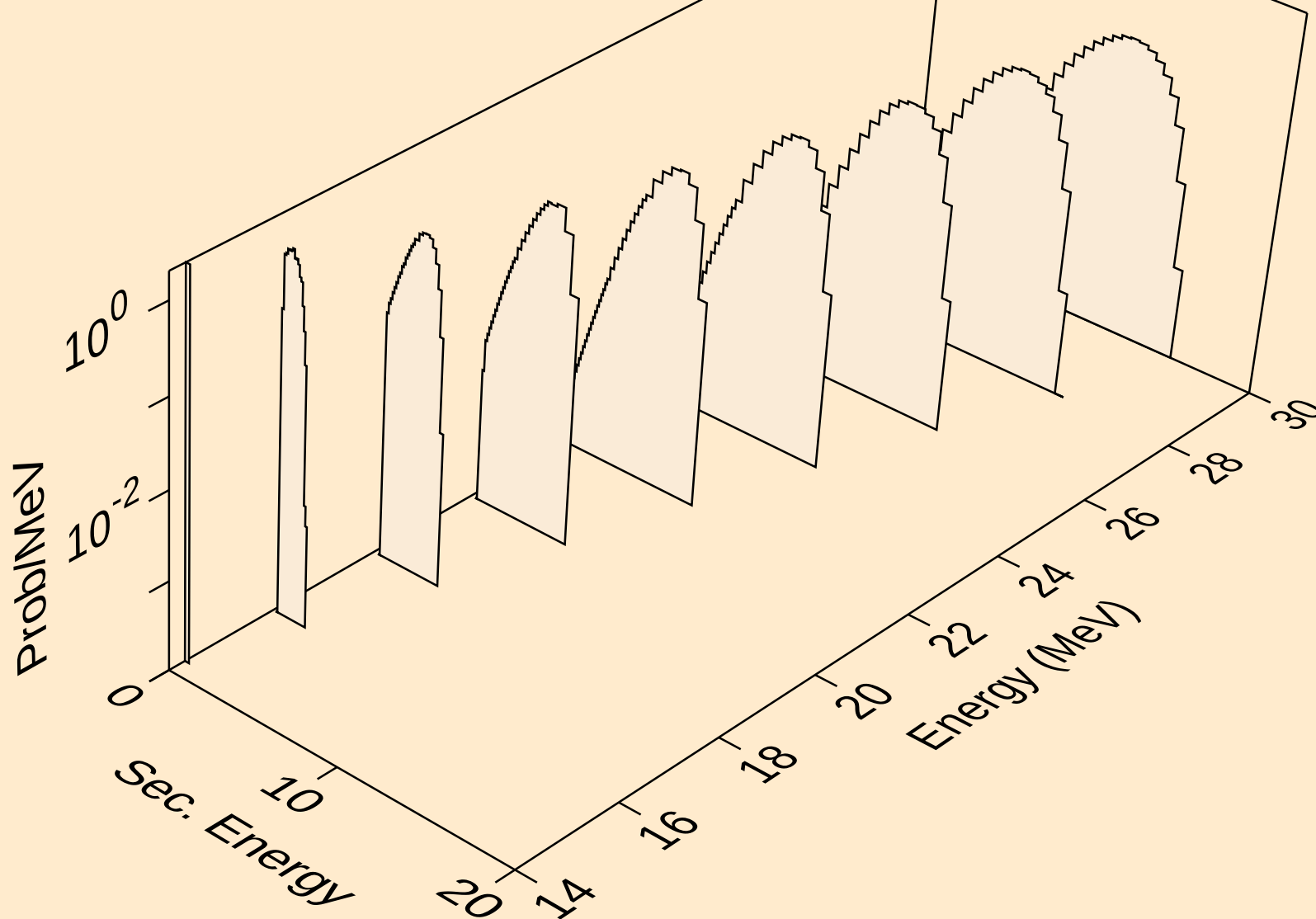


CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (s,x)

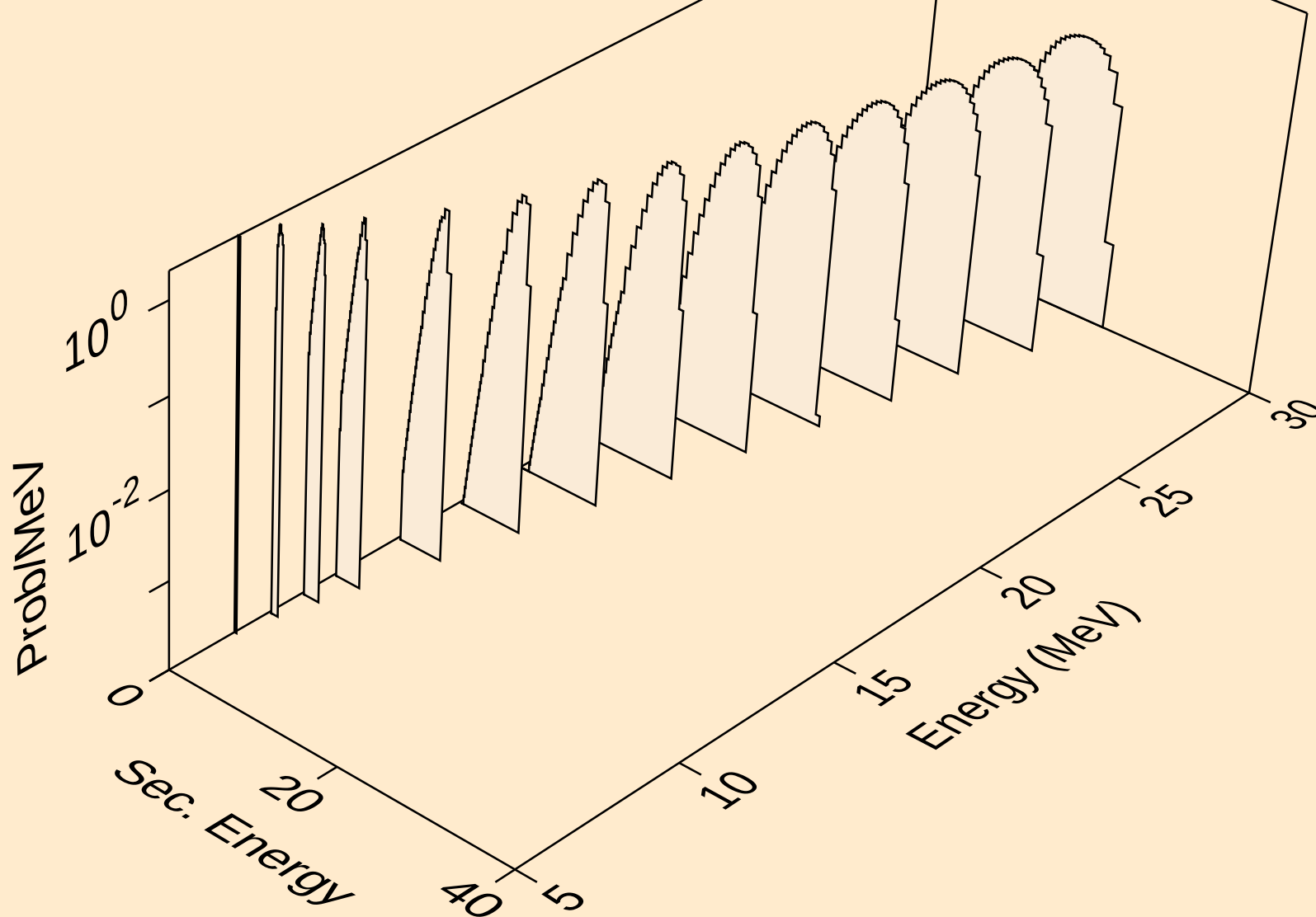




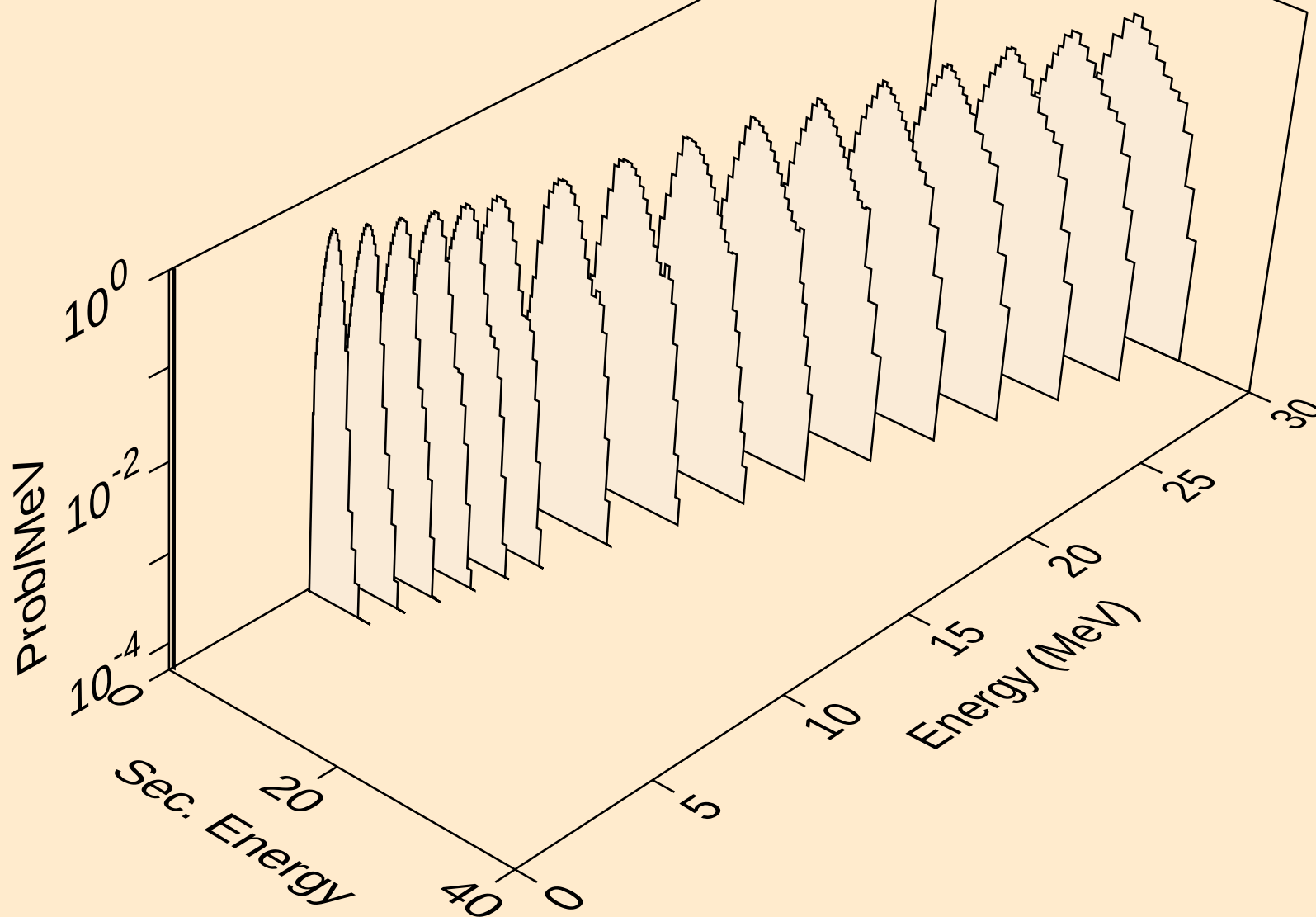
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deuterons from (s,2nd)



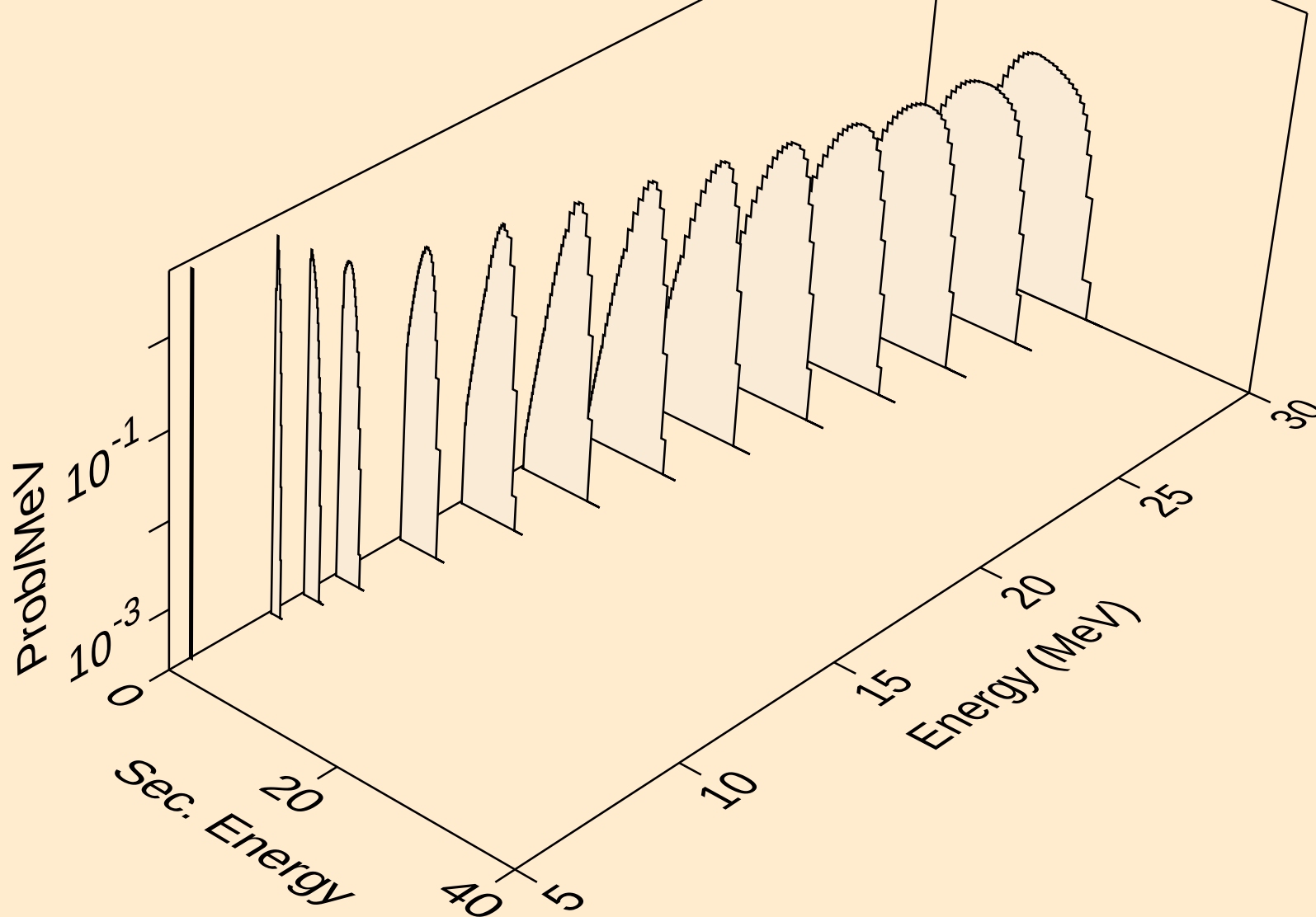
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (s,n\*)d



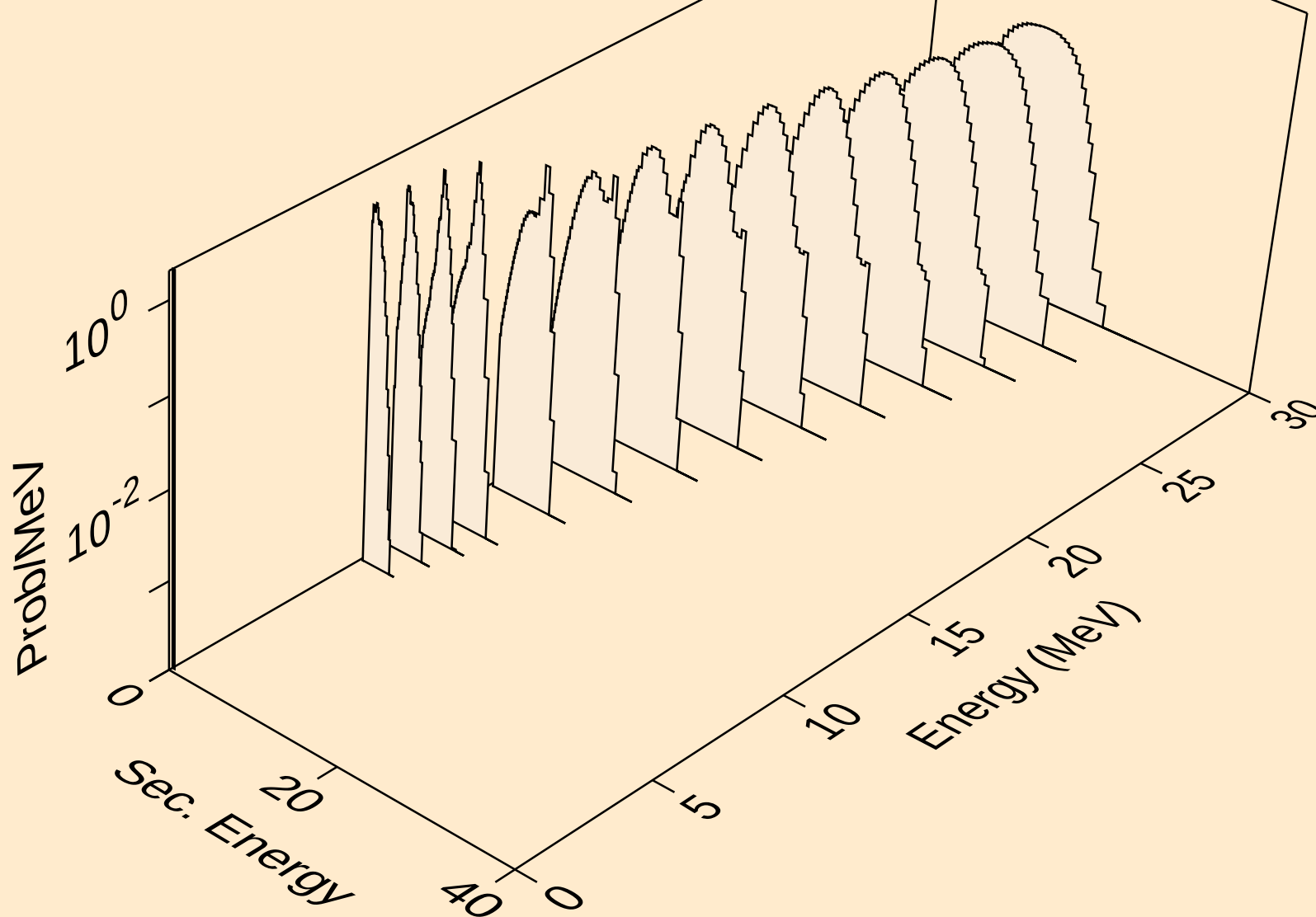
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deuterons from (s,d)



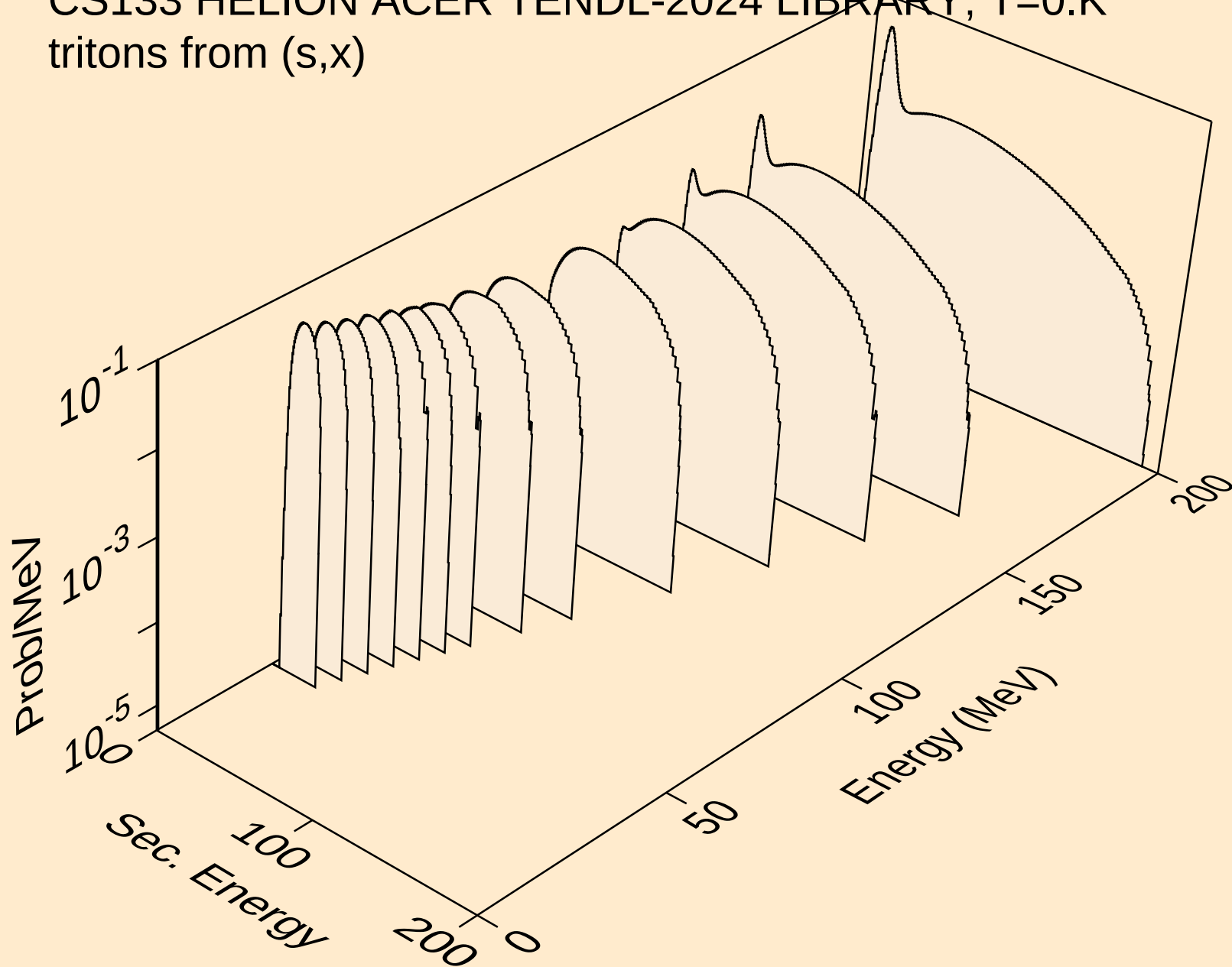
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deuterons from (s,pd)



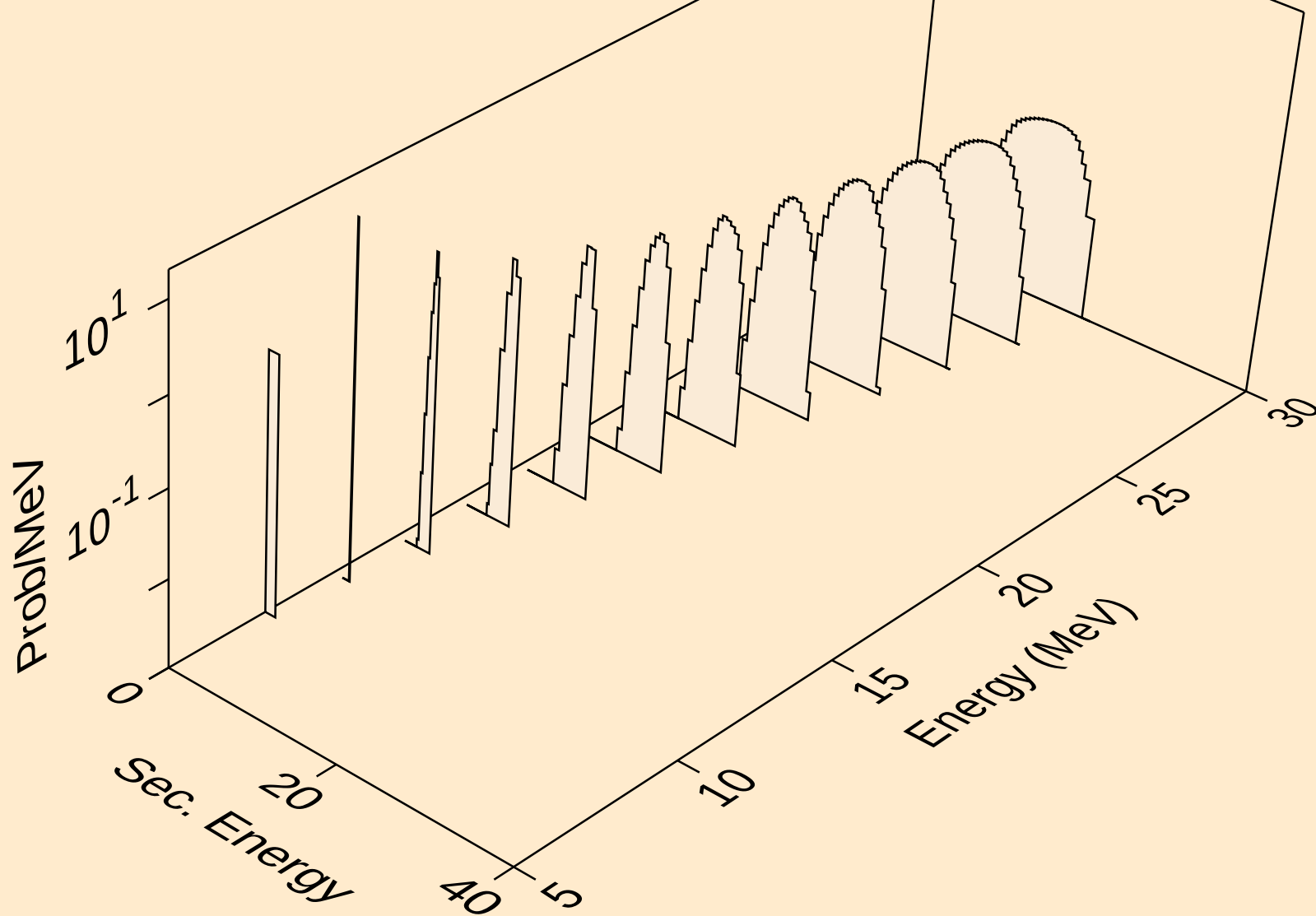
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deuterons from (s,da)



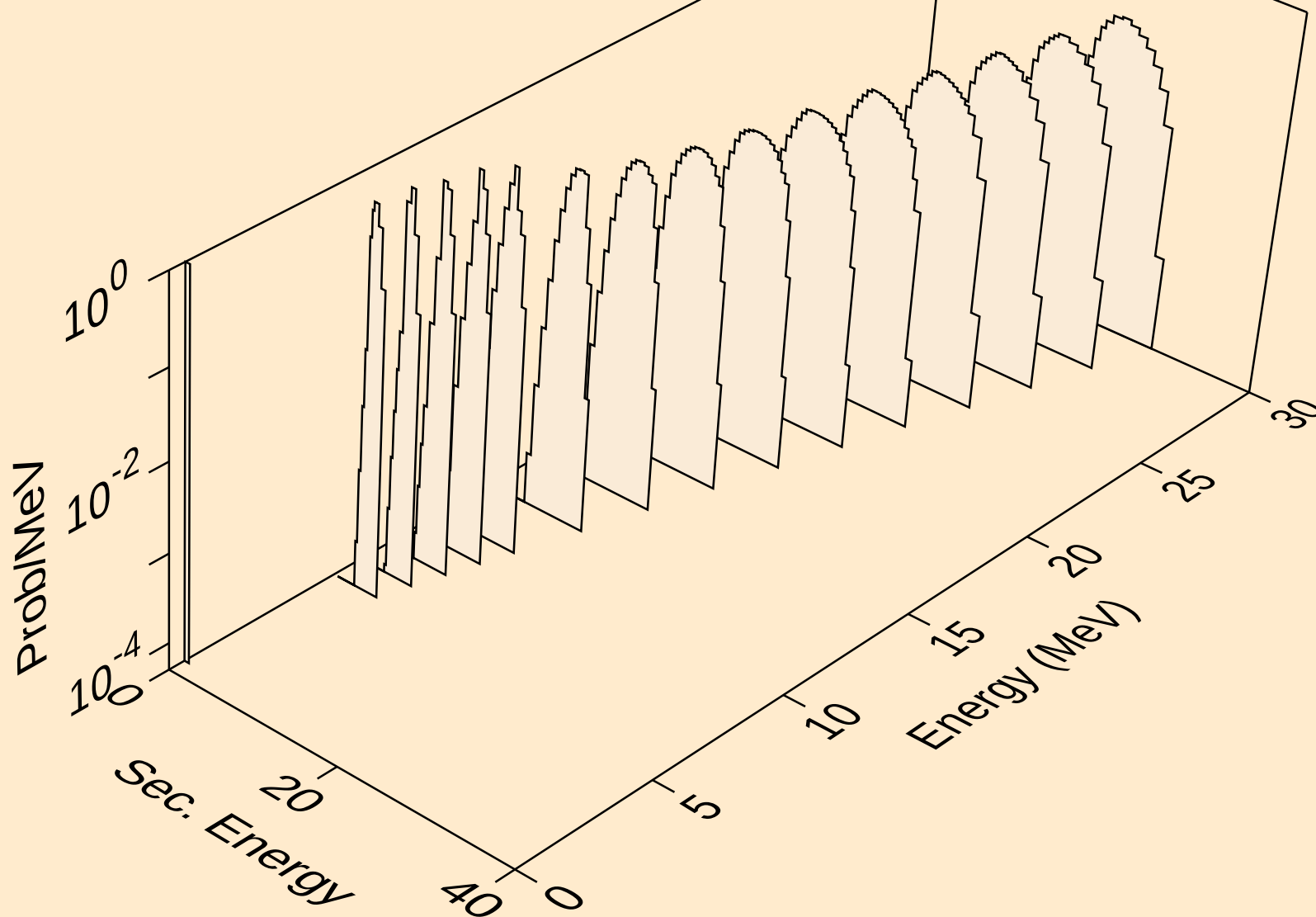
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (s,x)



CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (s,n\*)t

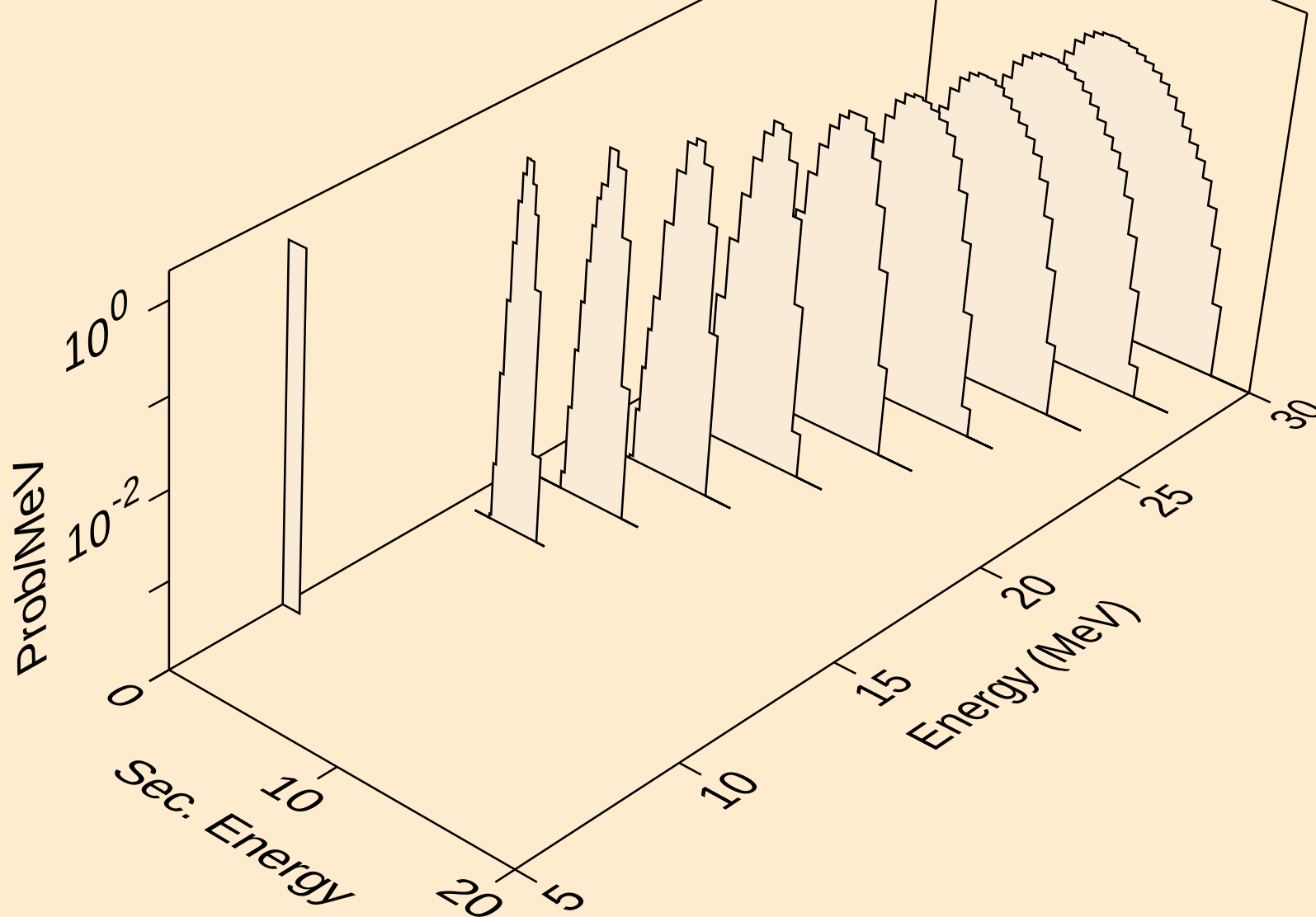


CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (s,t)

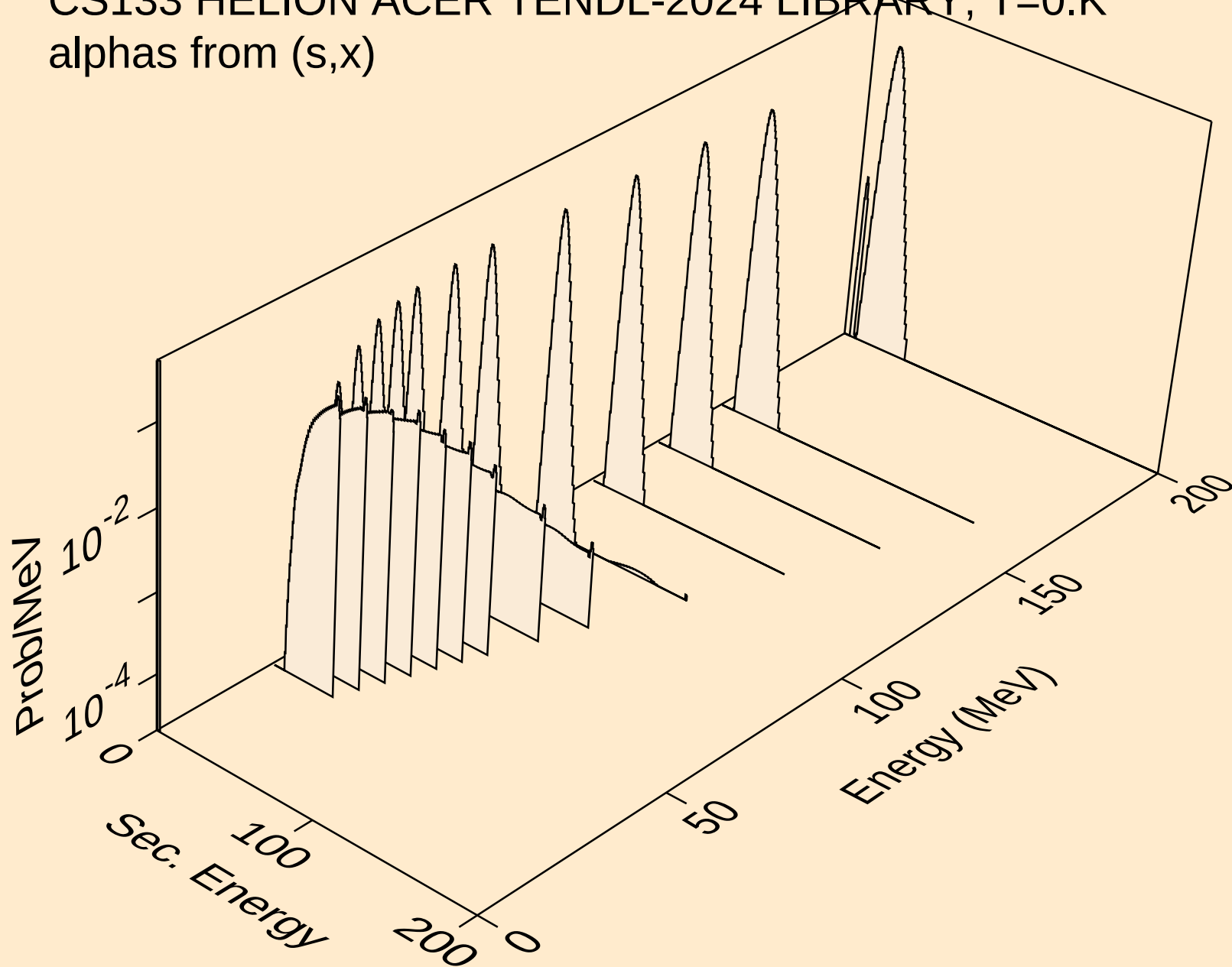




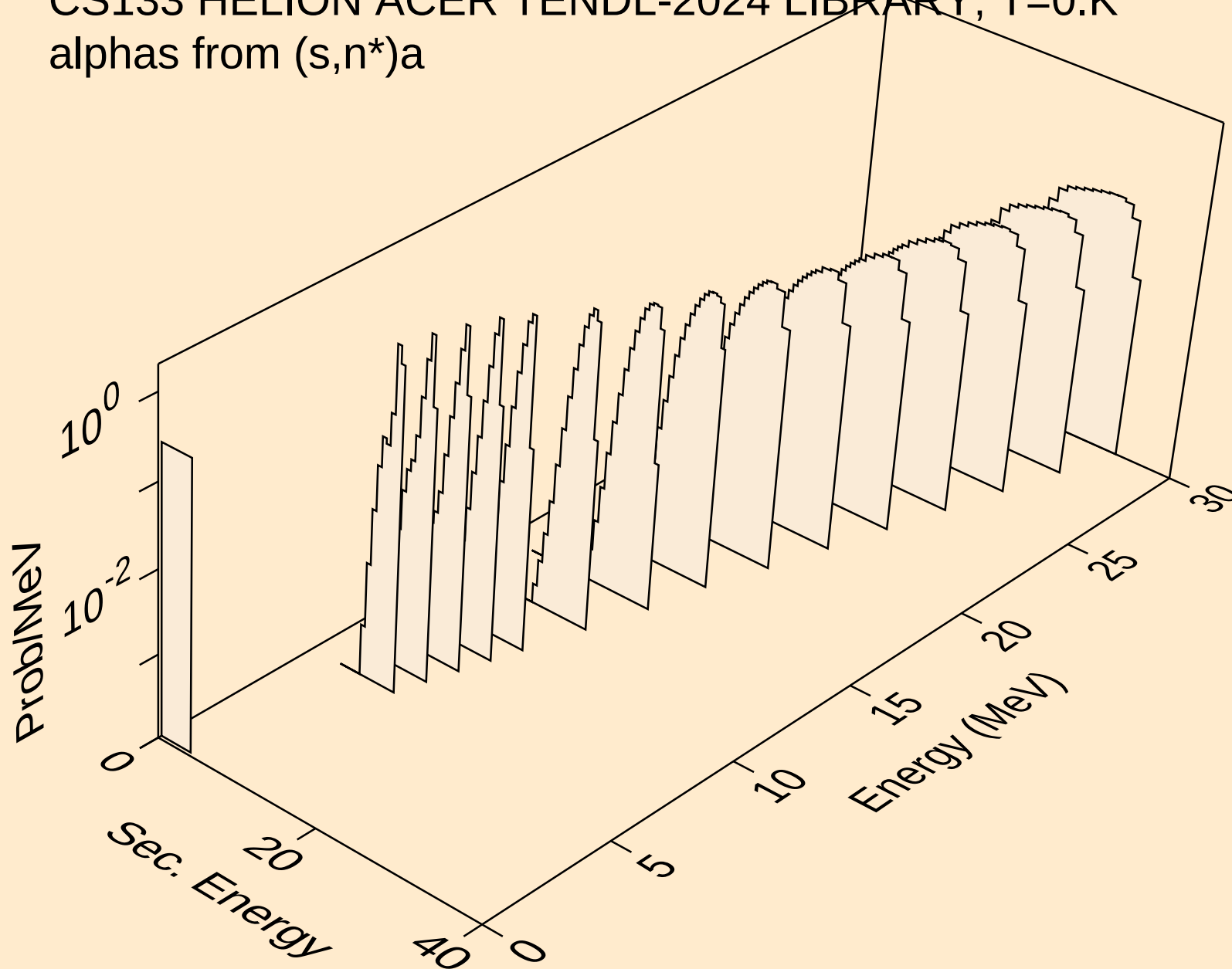
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tritons from (s,pt)



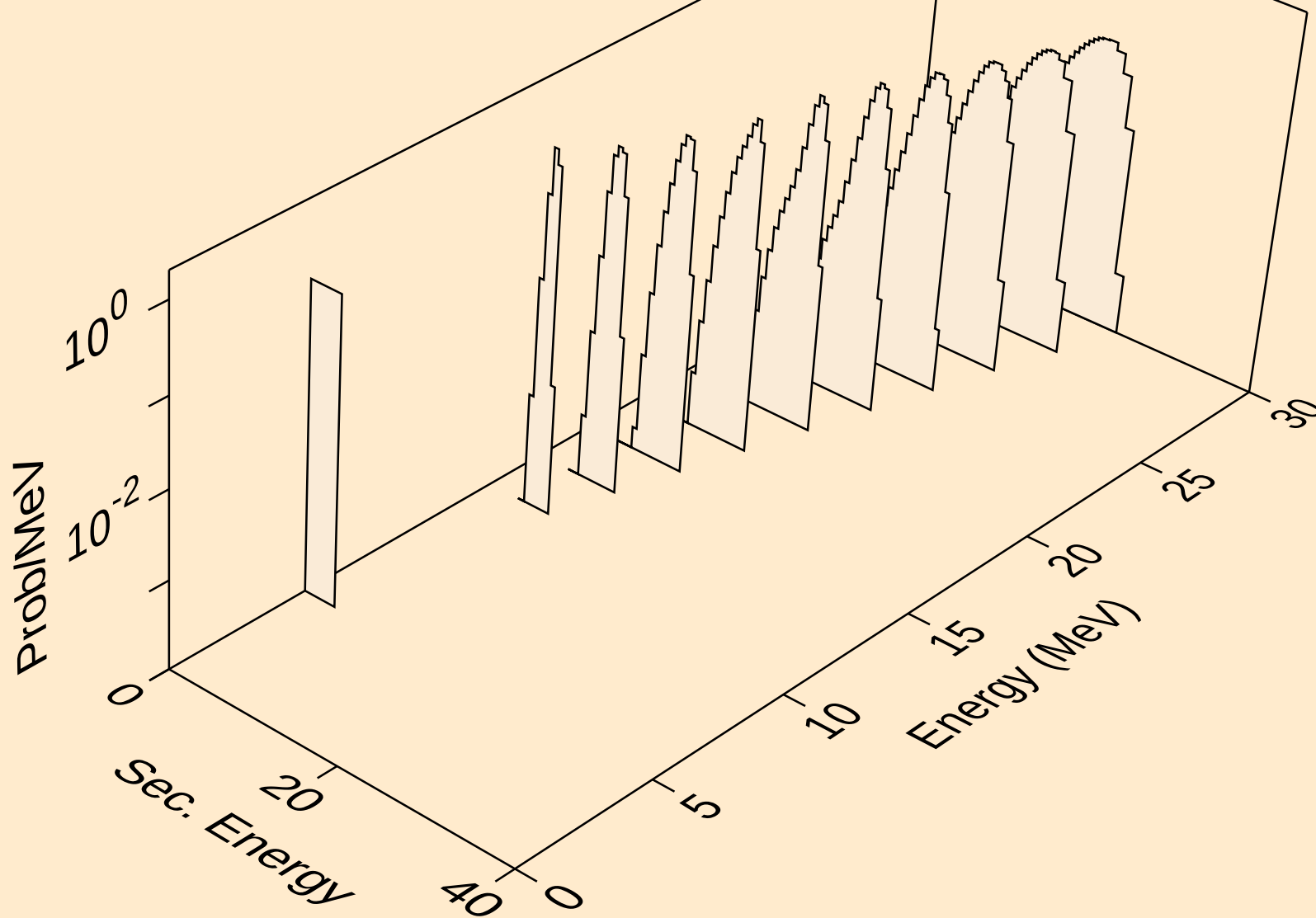
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,x)



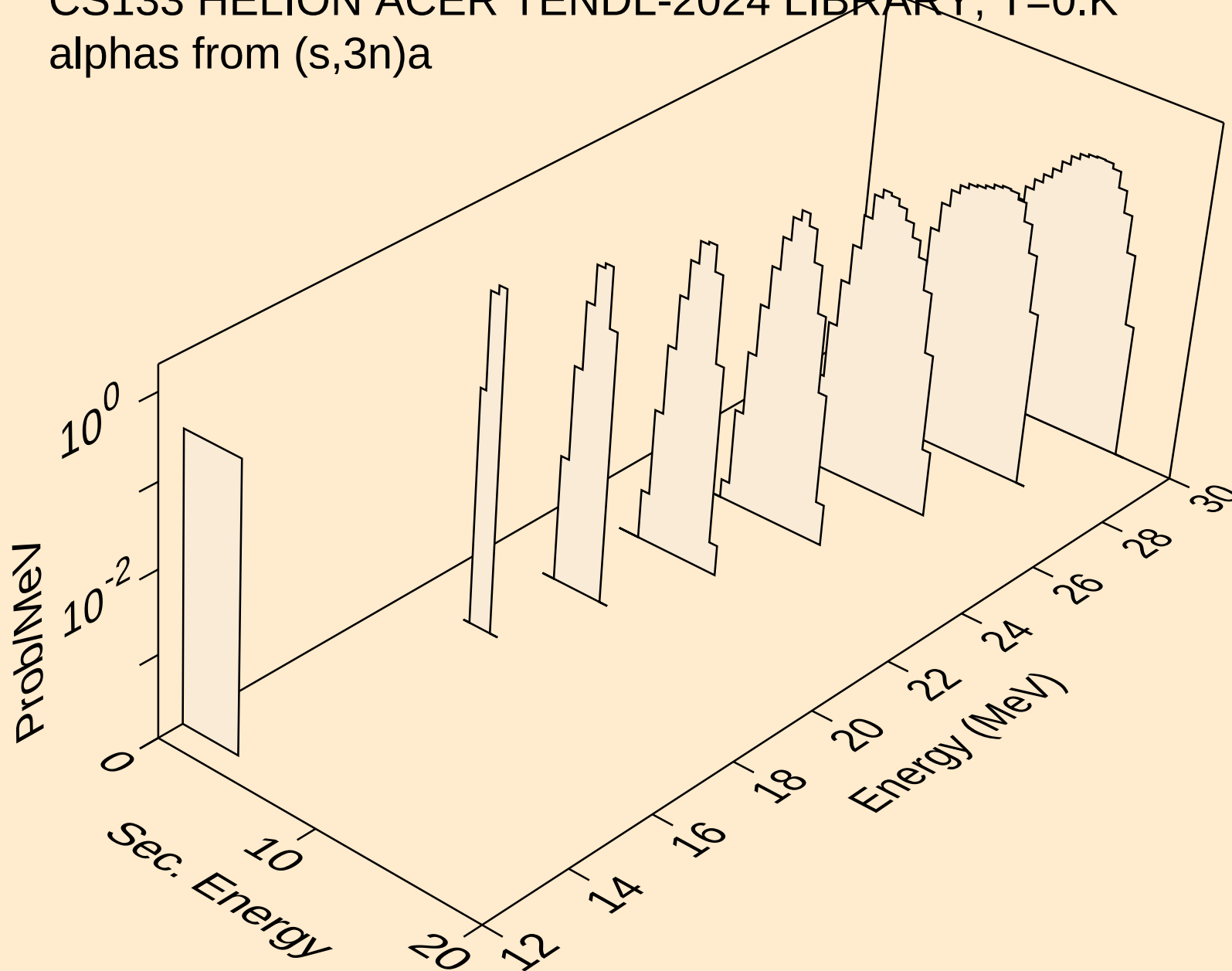
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,n\*)a



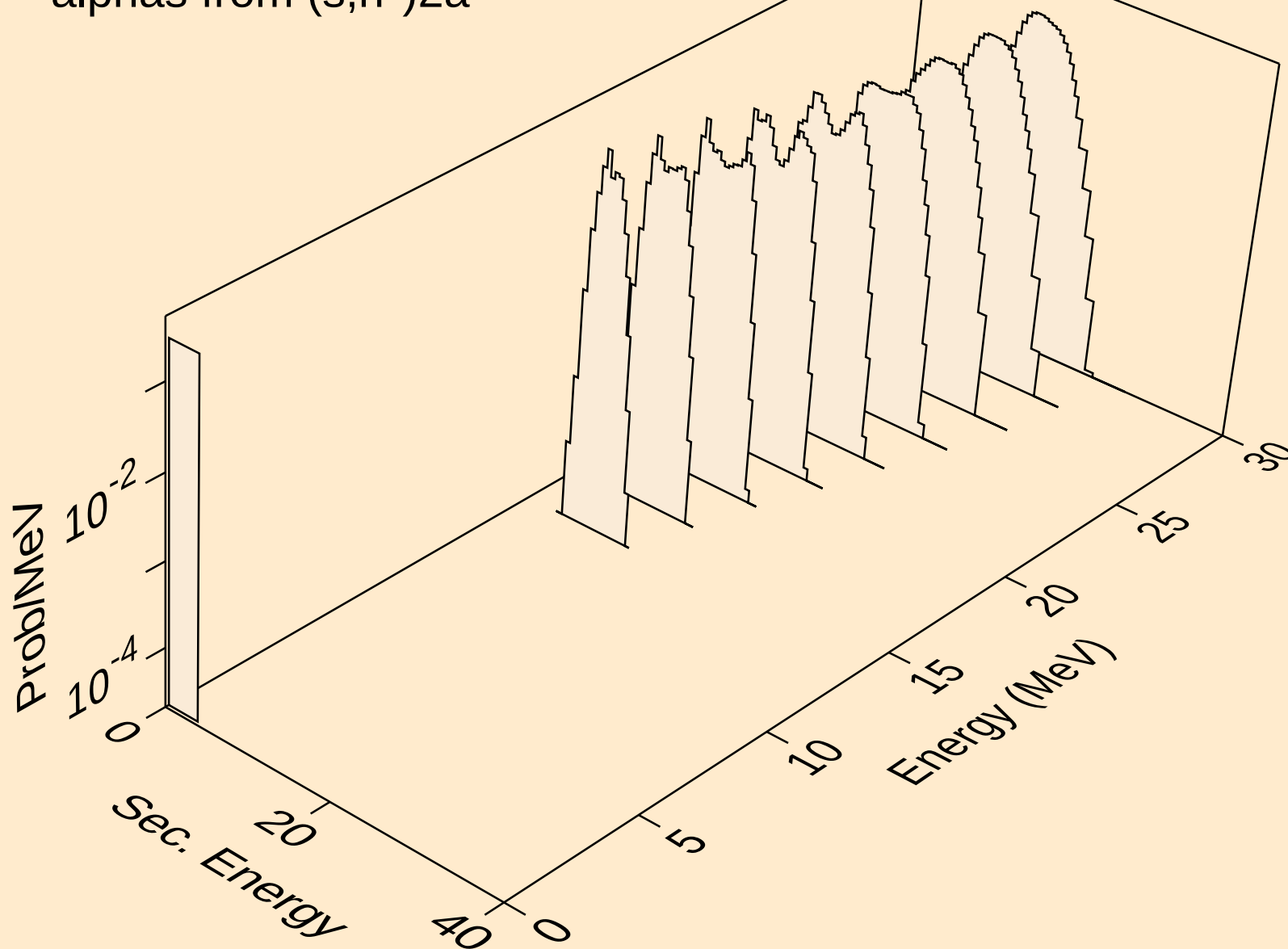
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,2n)a



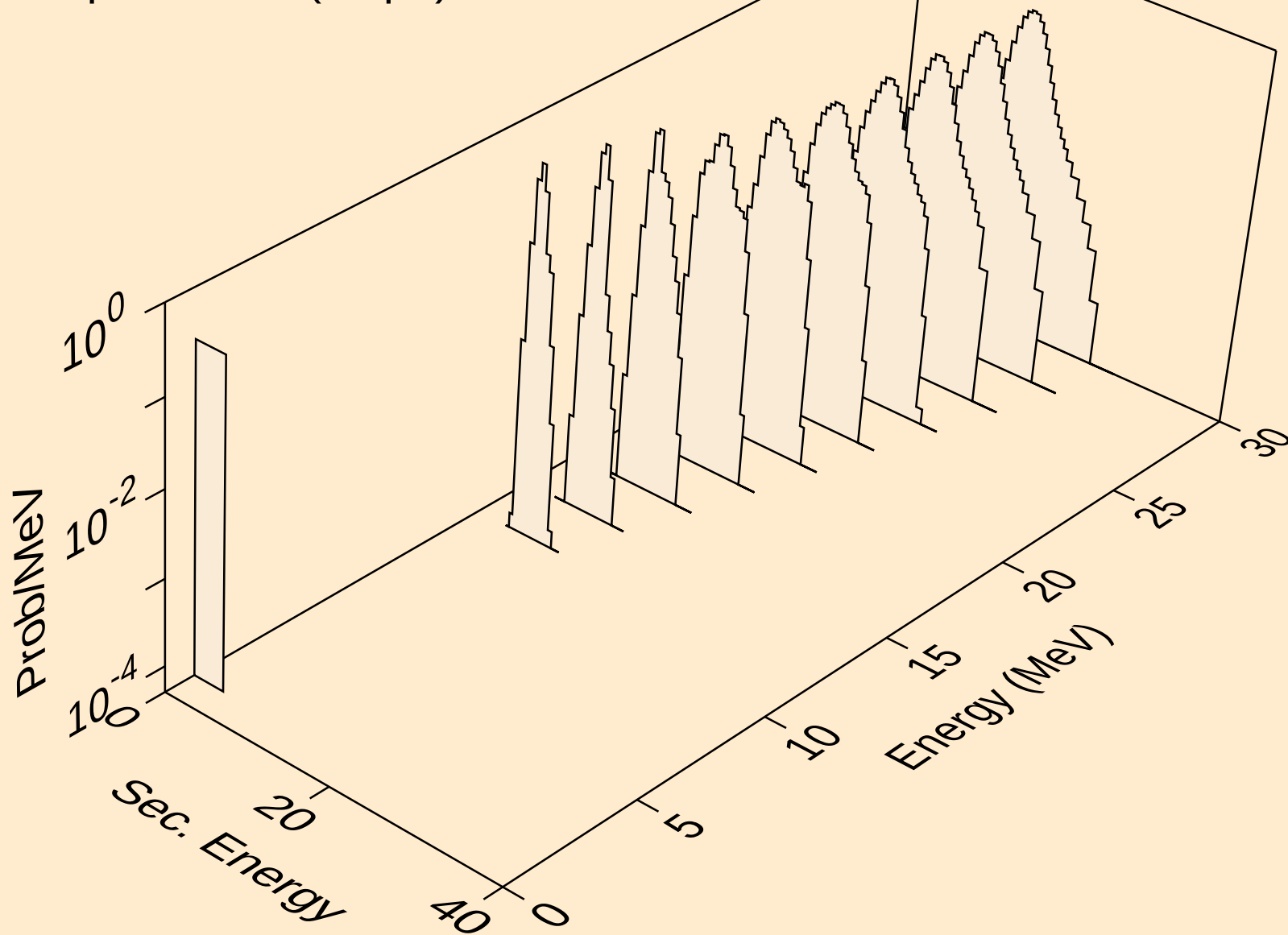
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,3n)a



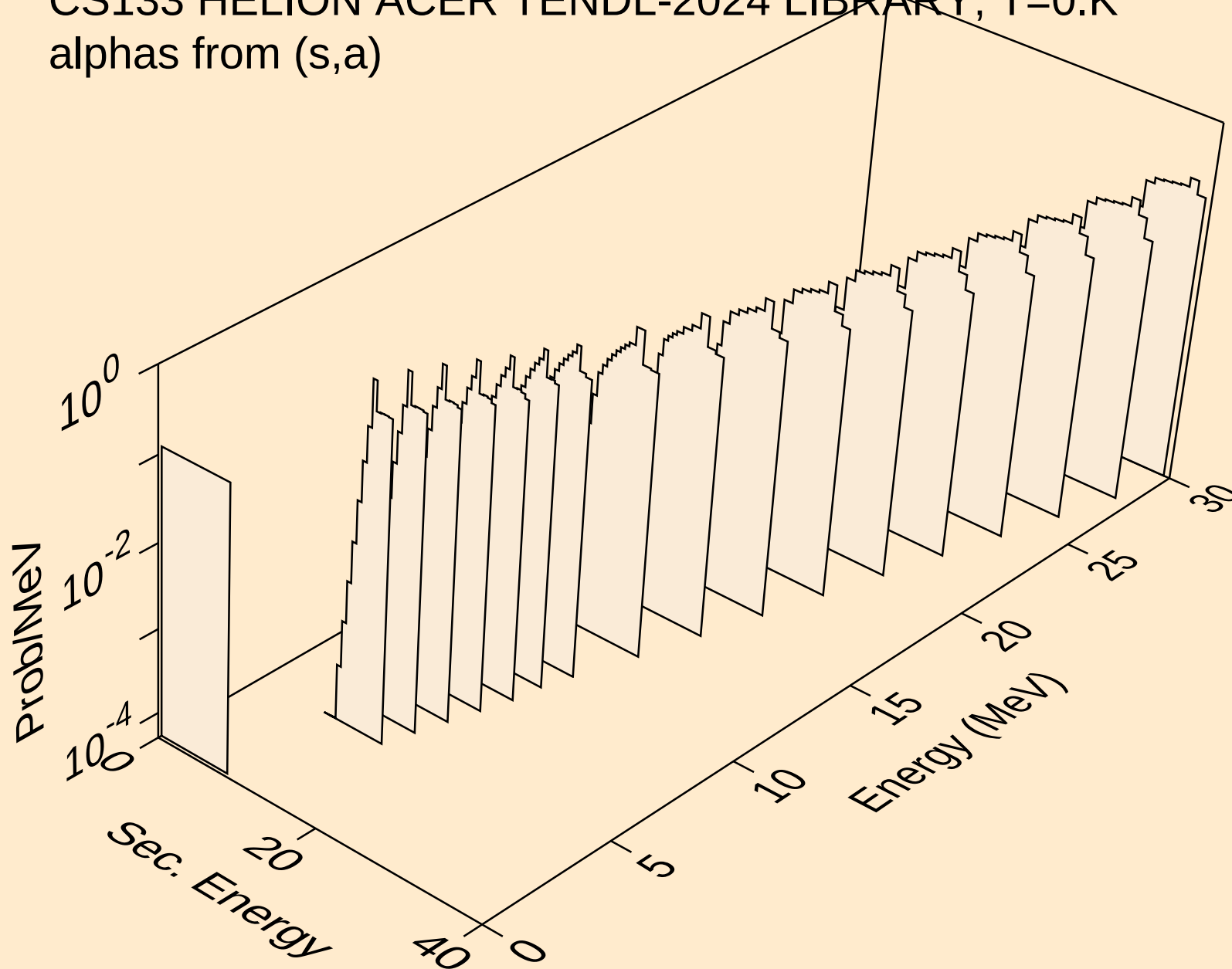
CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,n\*)2a



CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,npa)

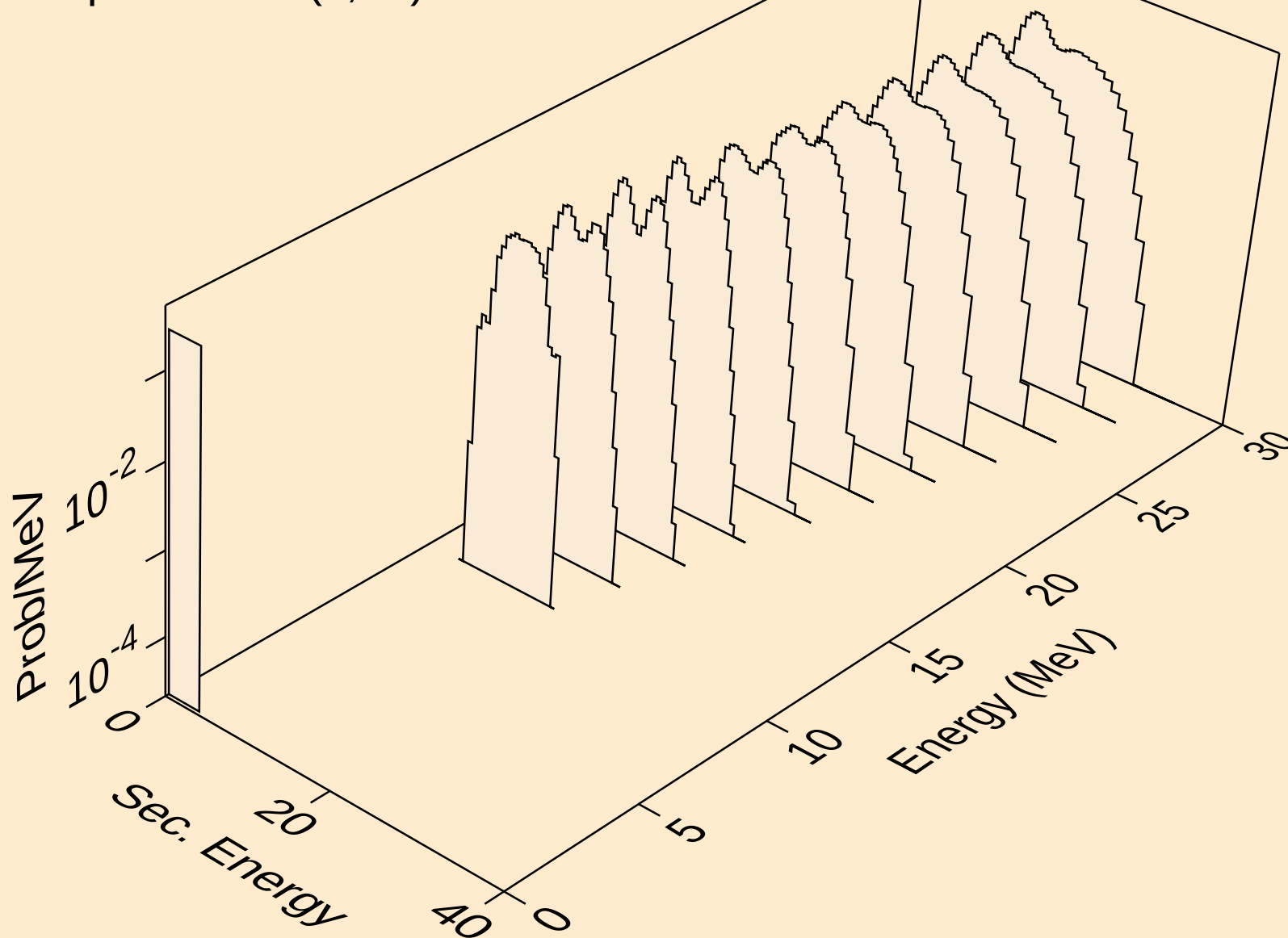


CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,a)

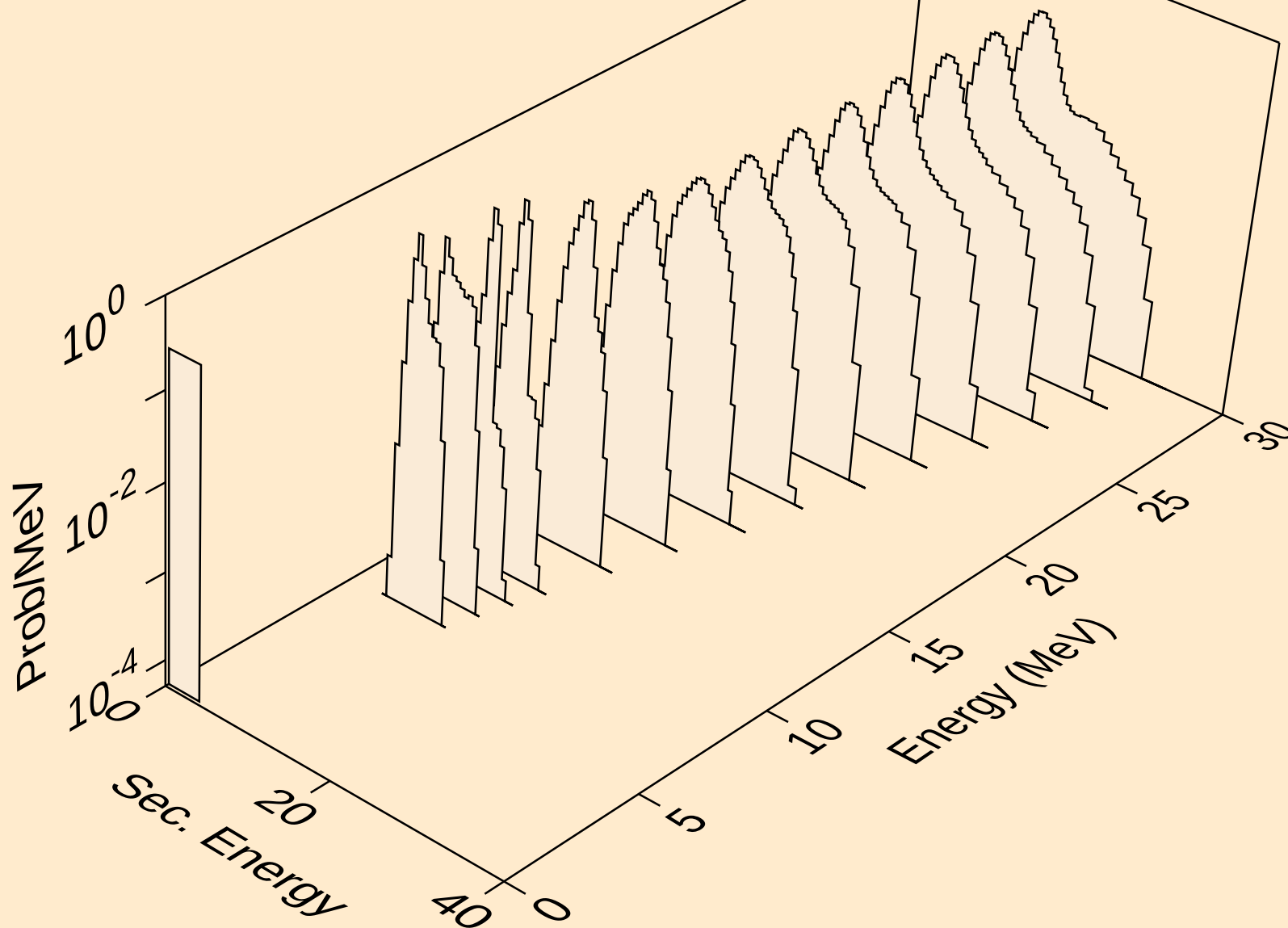




CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,2a)



CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,pa)



CS133 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,da)

