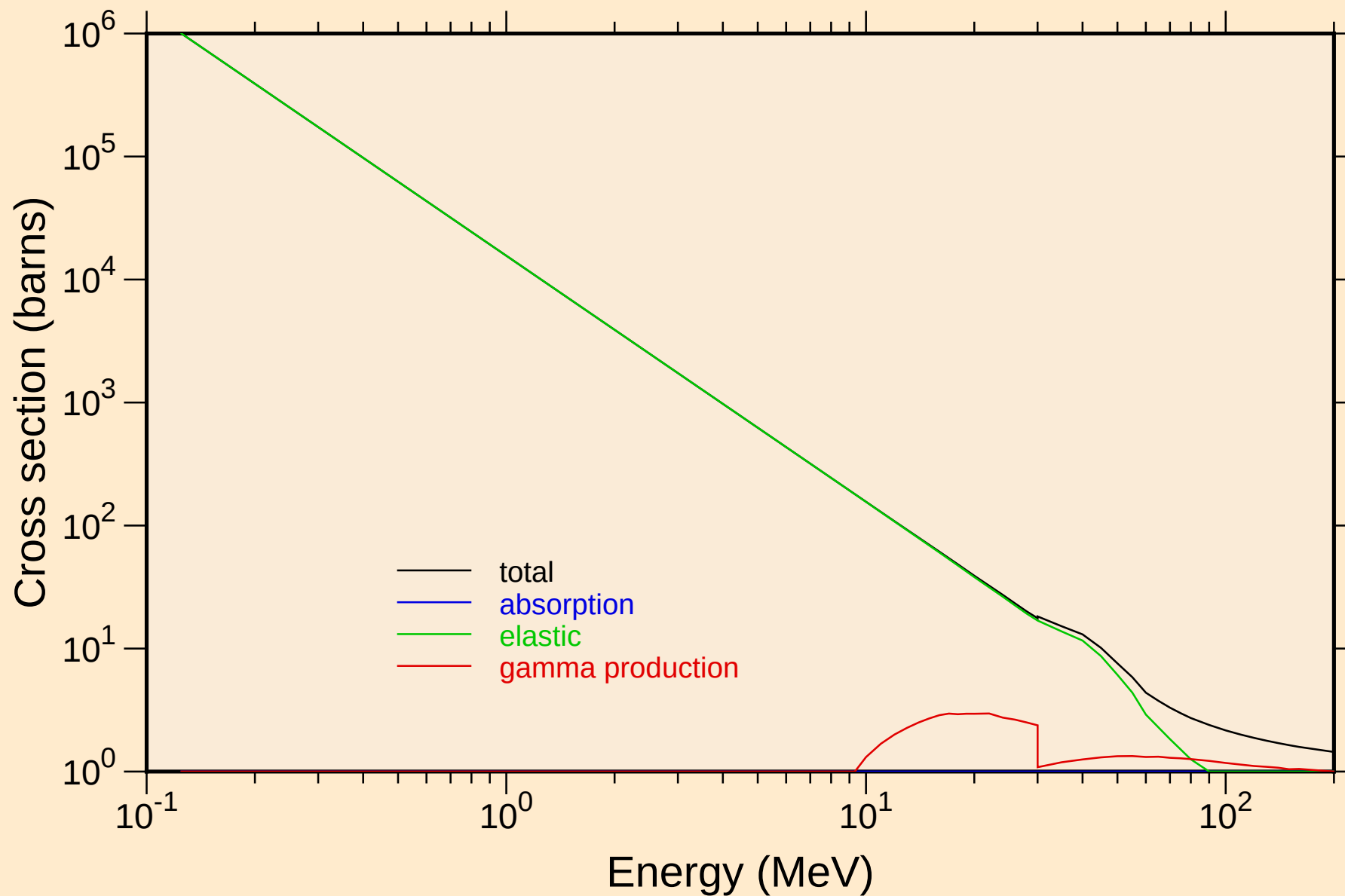


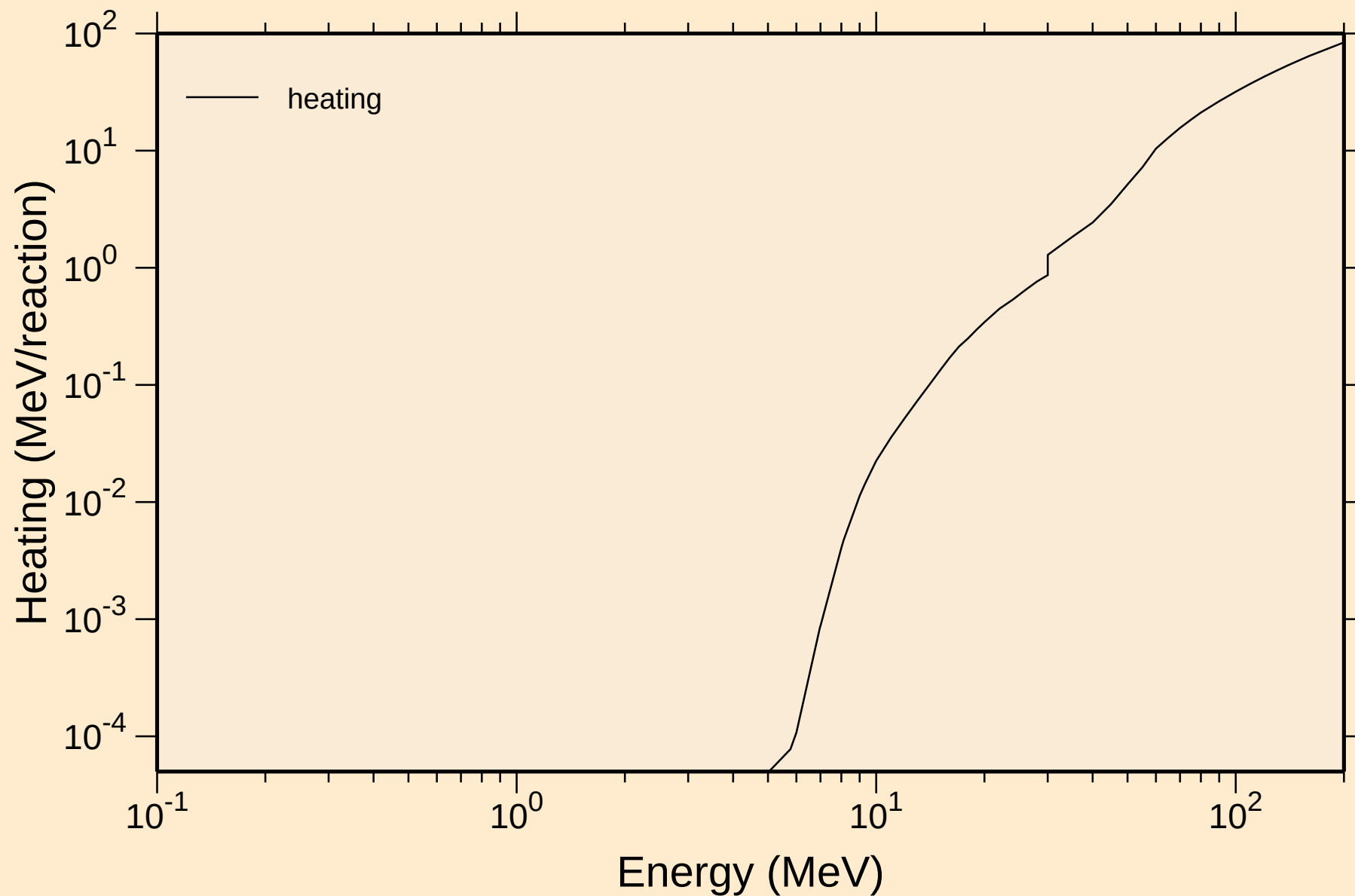
# CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



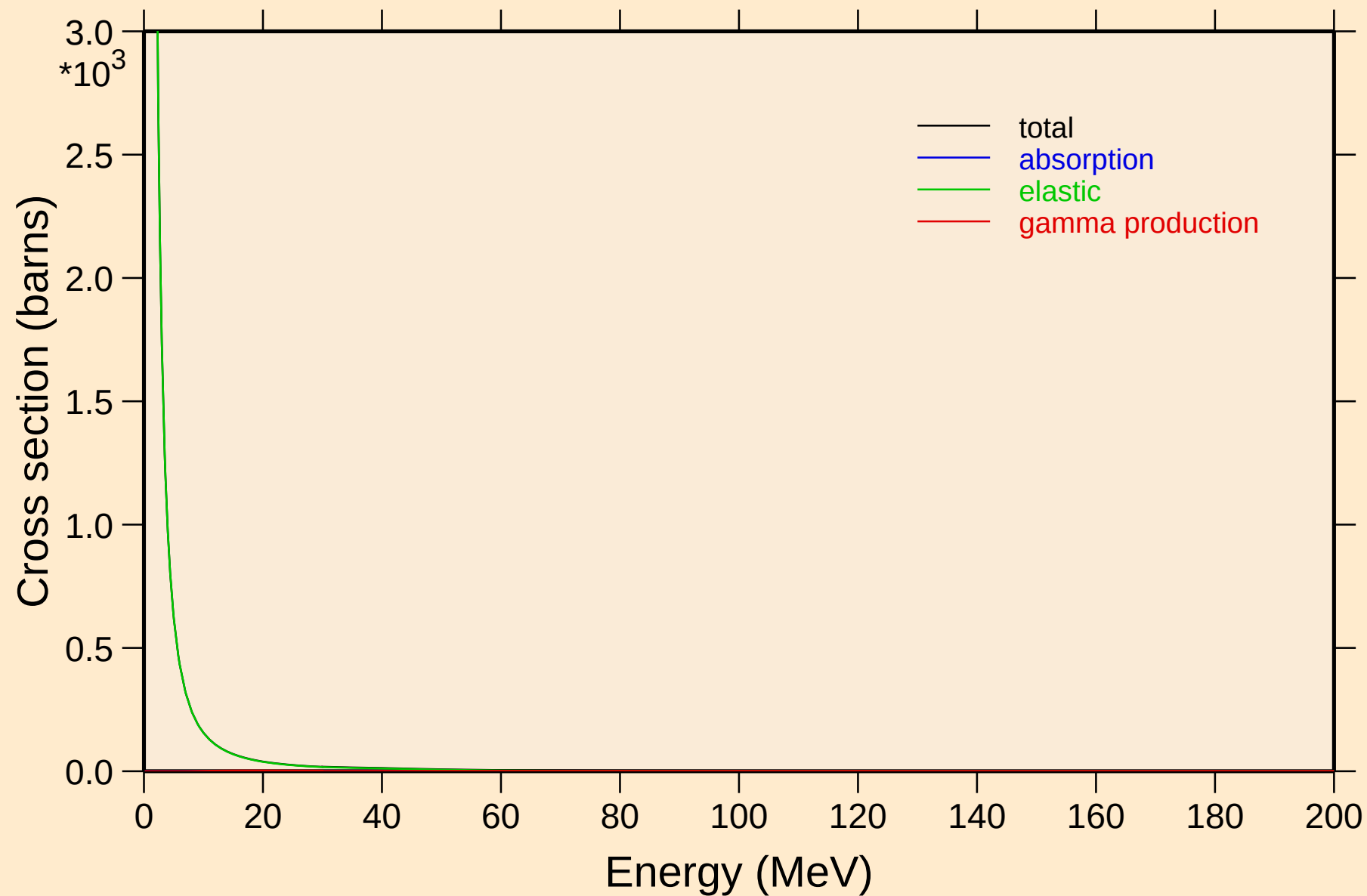
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K

Heating



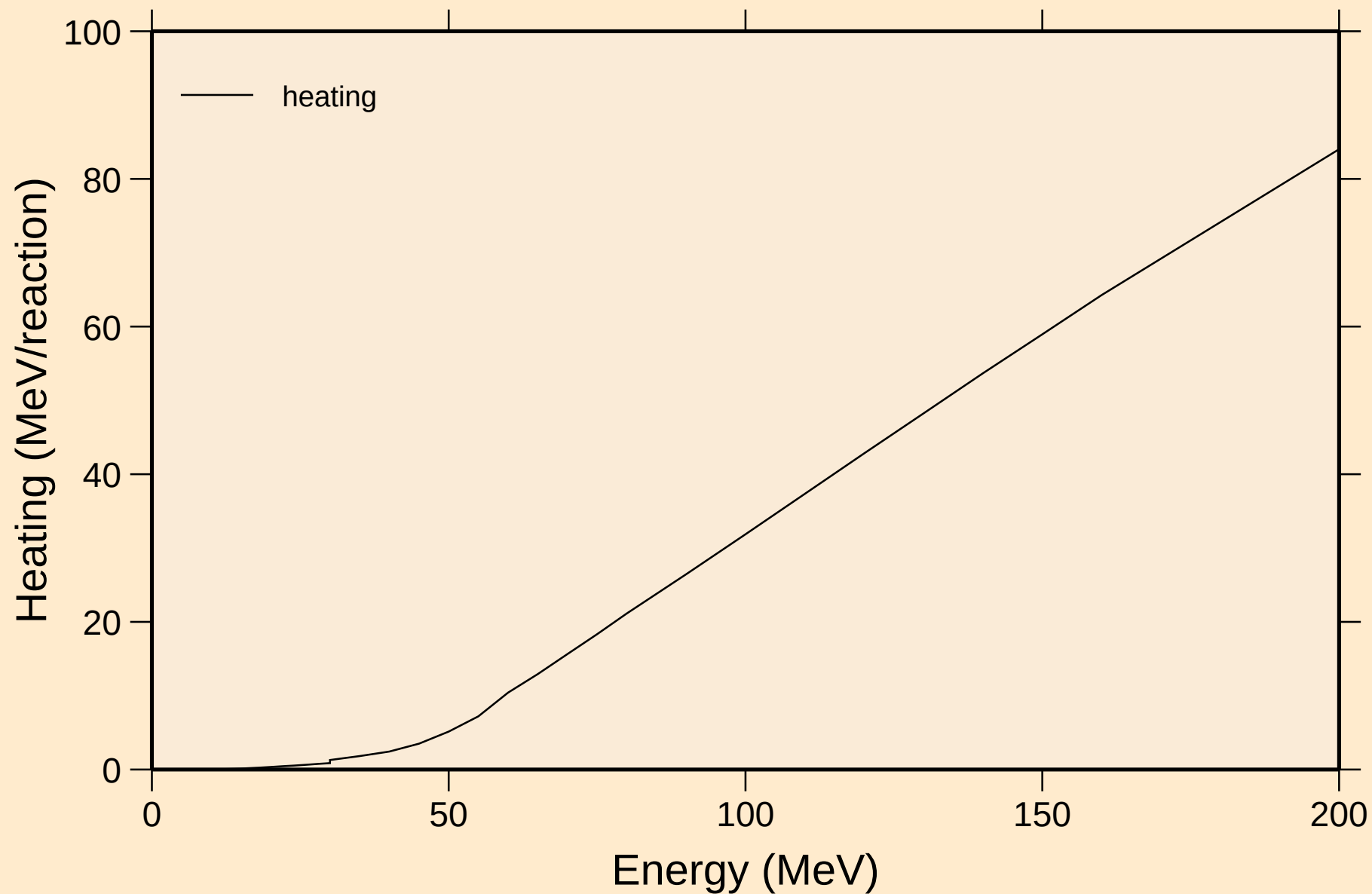
# CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



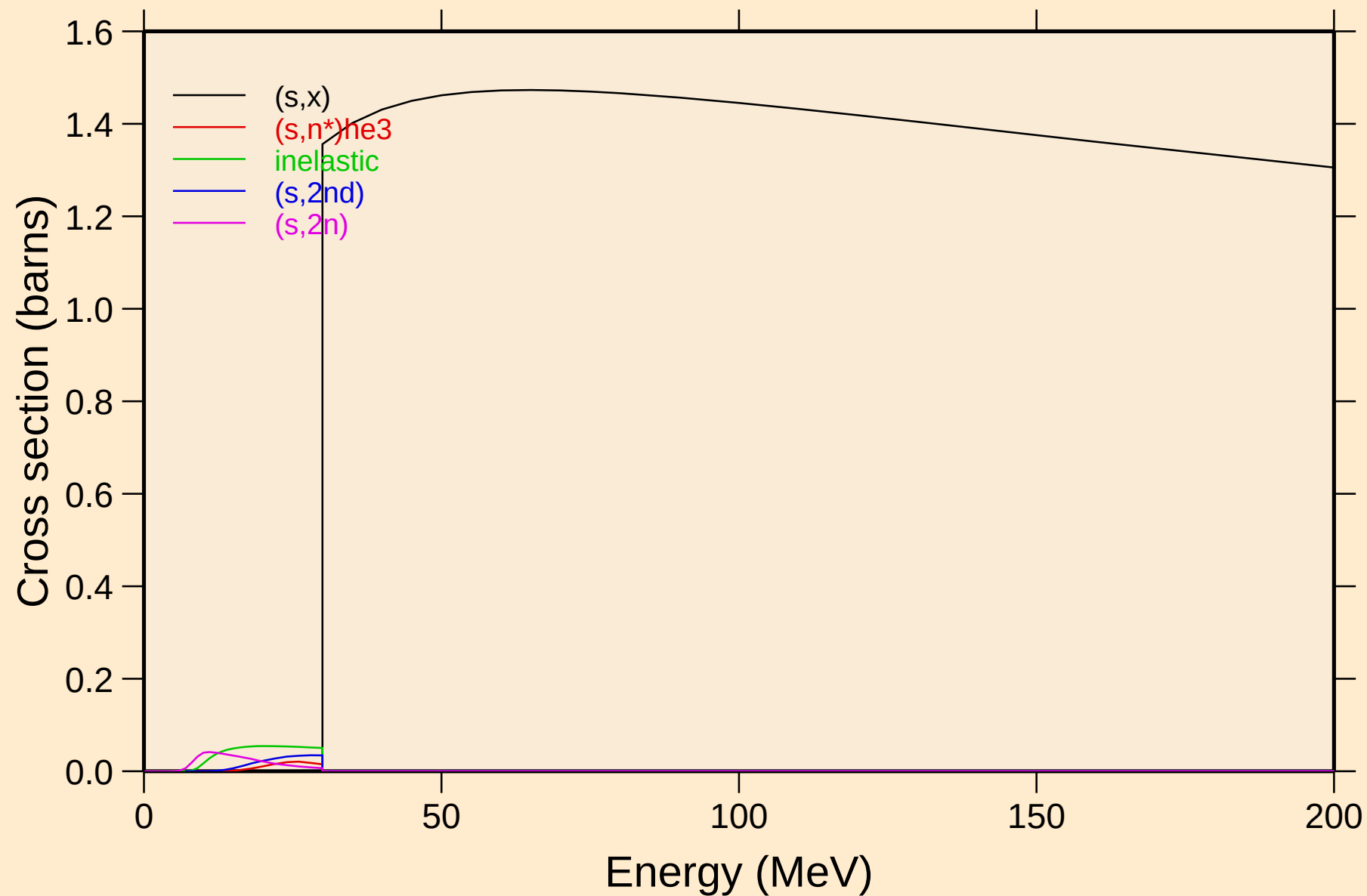
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K

Heating



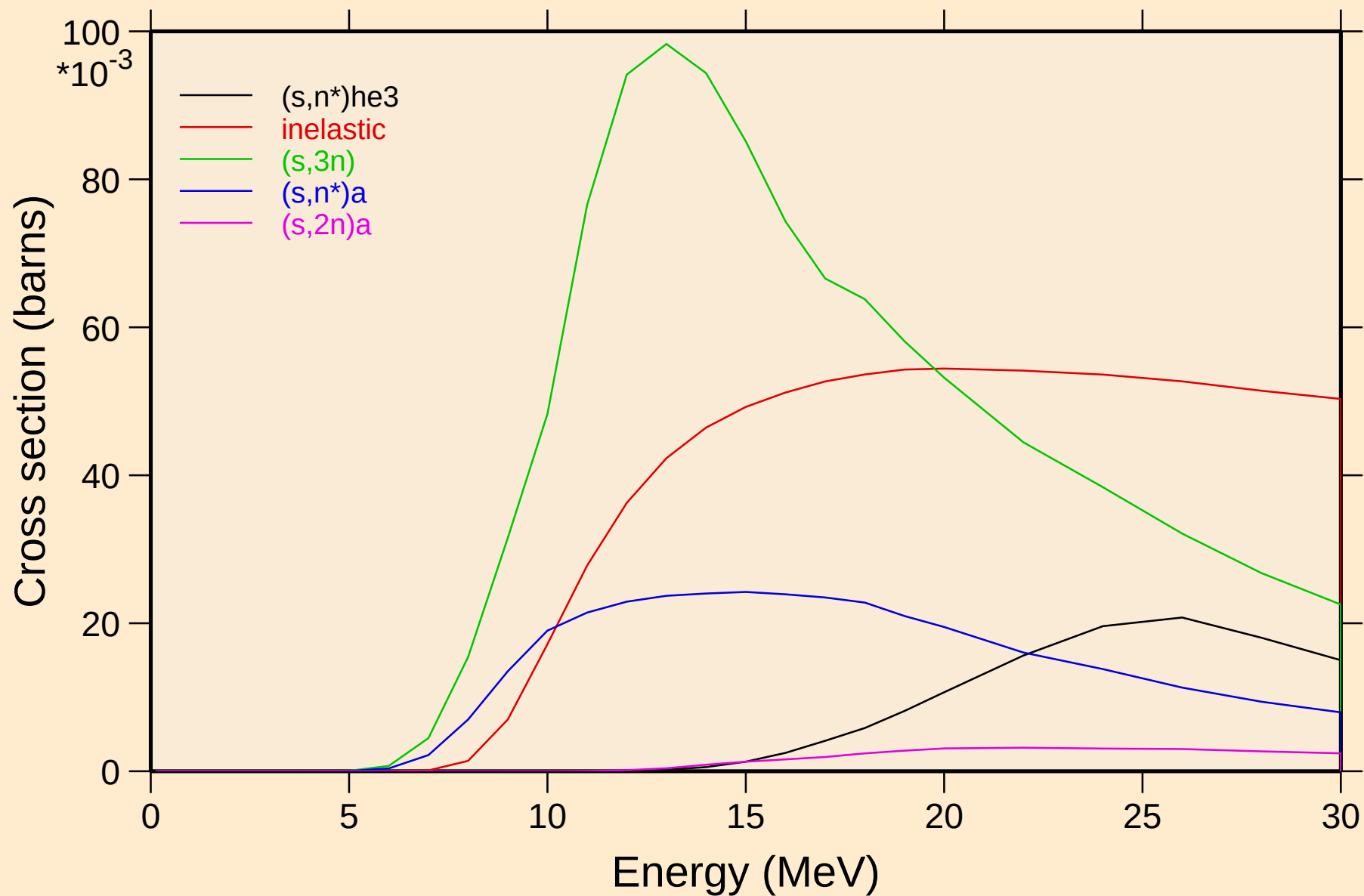
# CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K

Threshold reactions



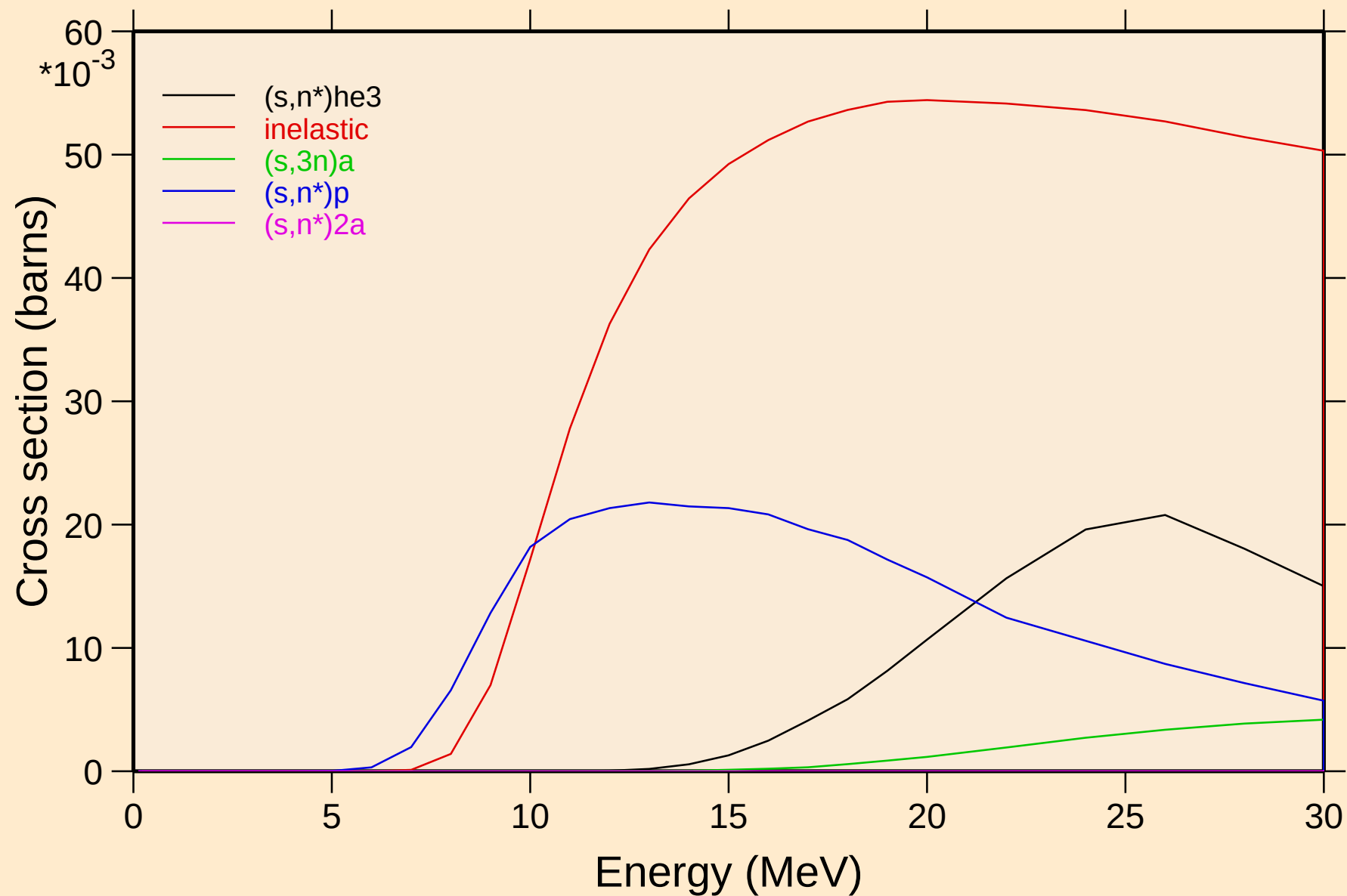
# CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

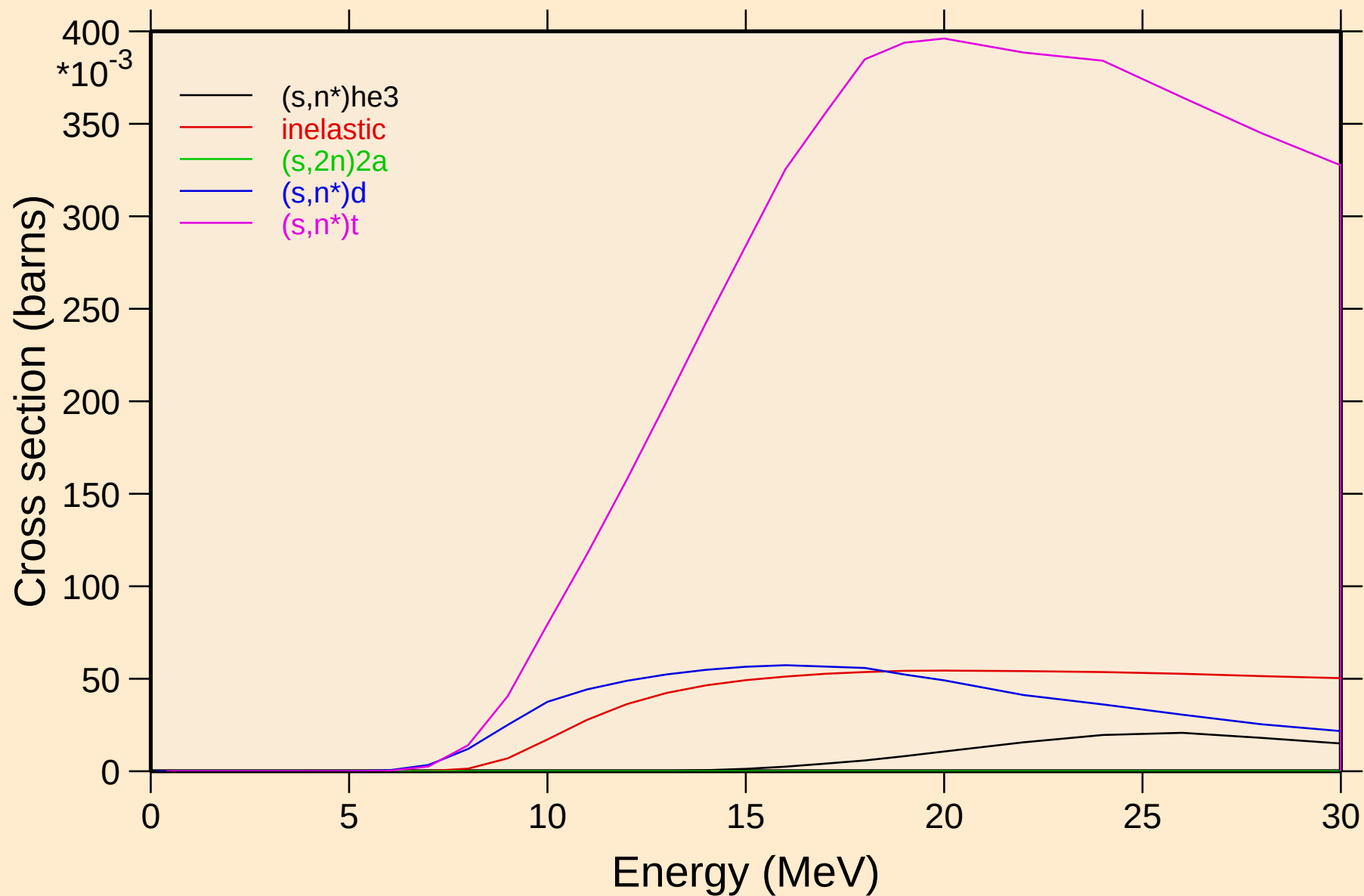


# CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



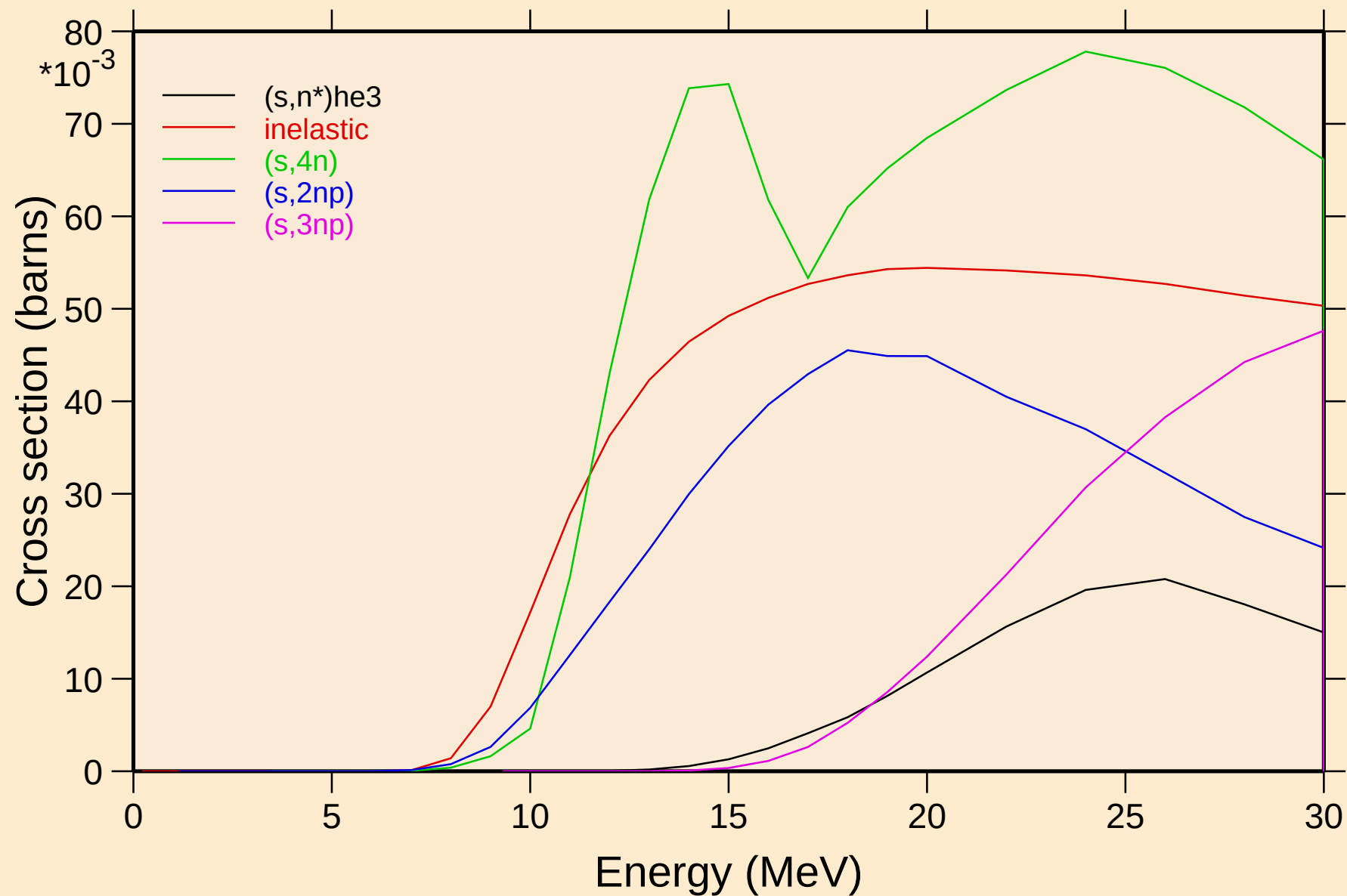
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions





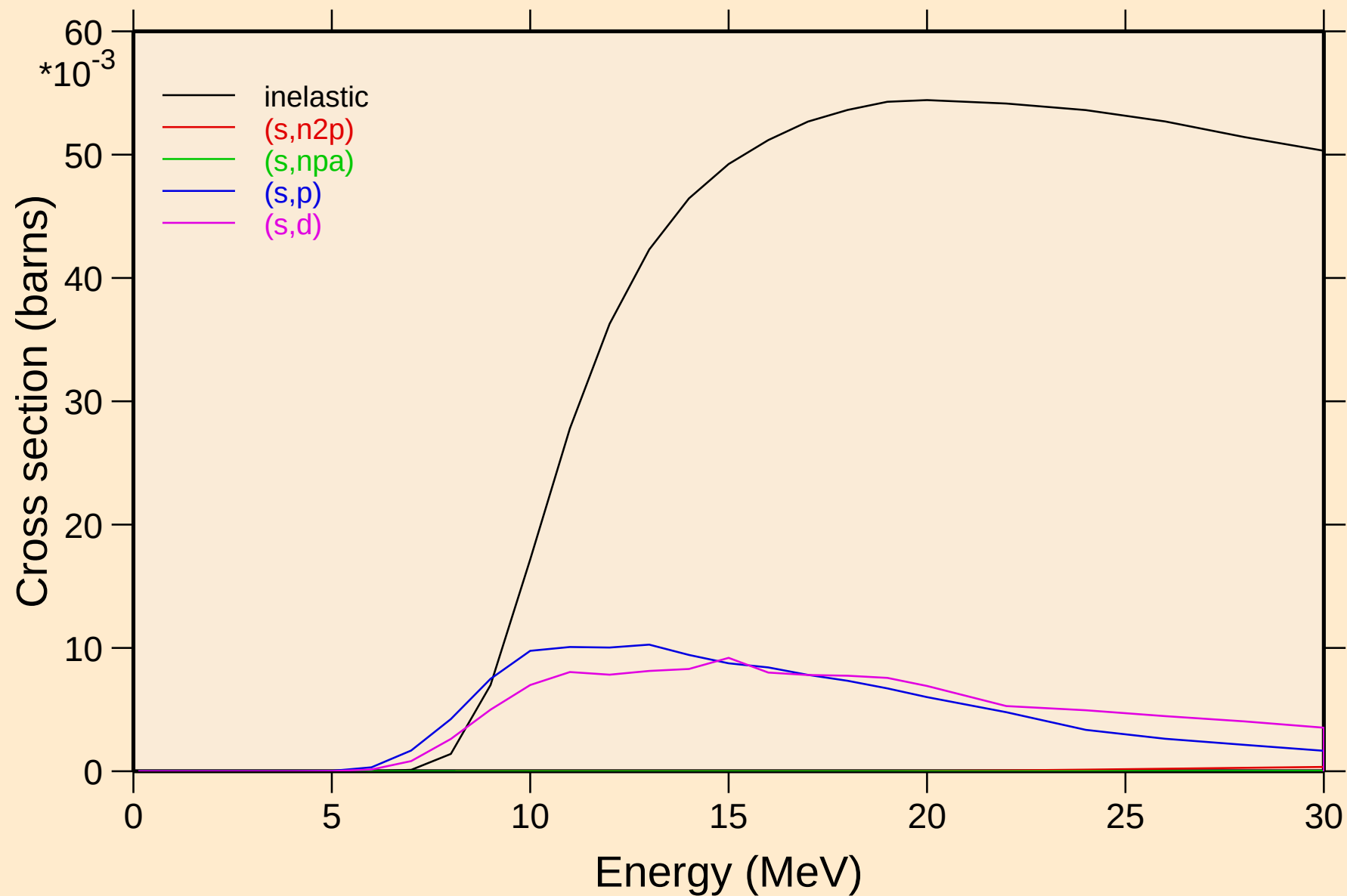
# CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



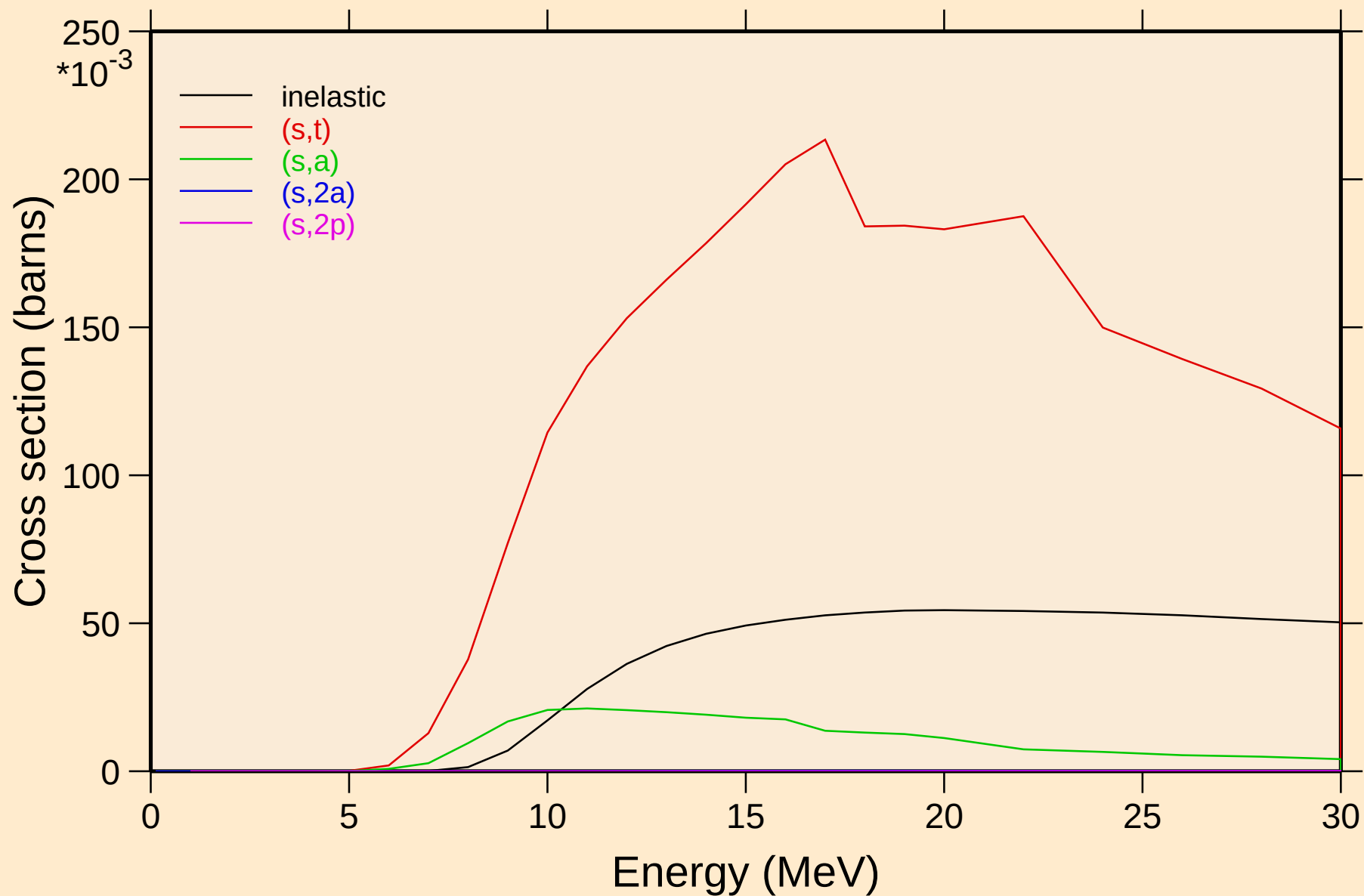
# CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



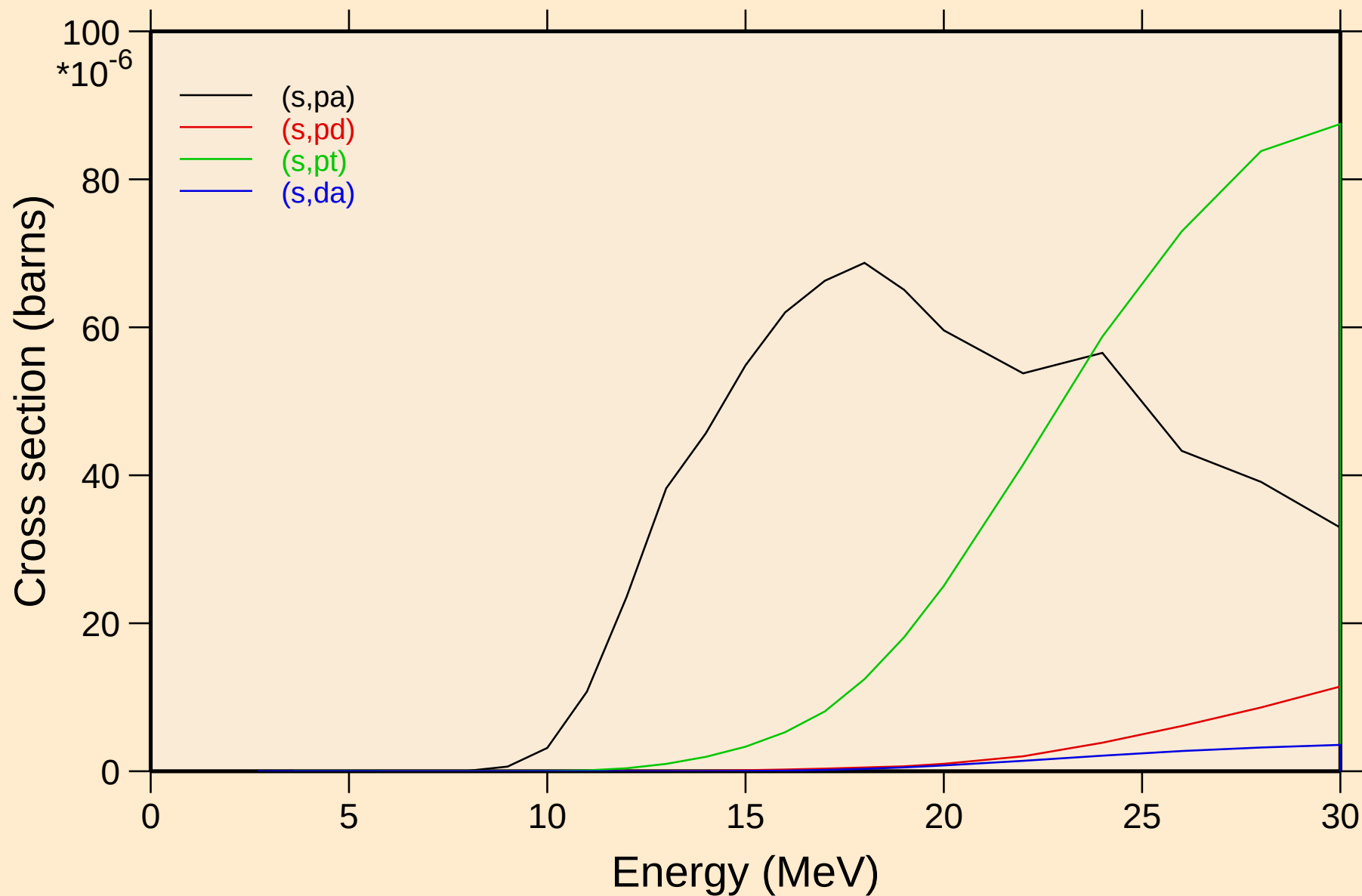
# CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

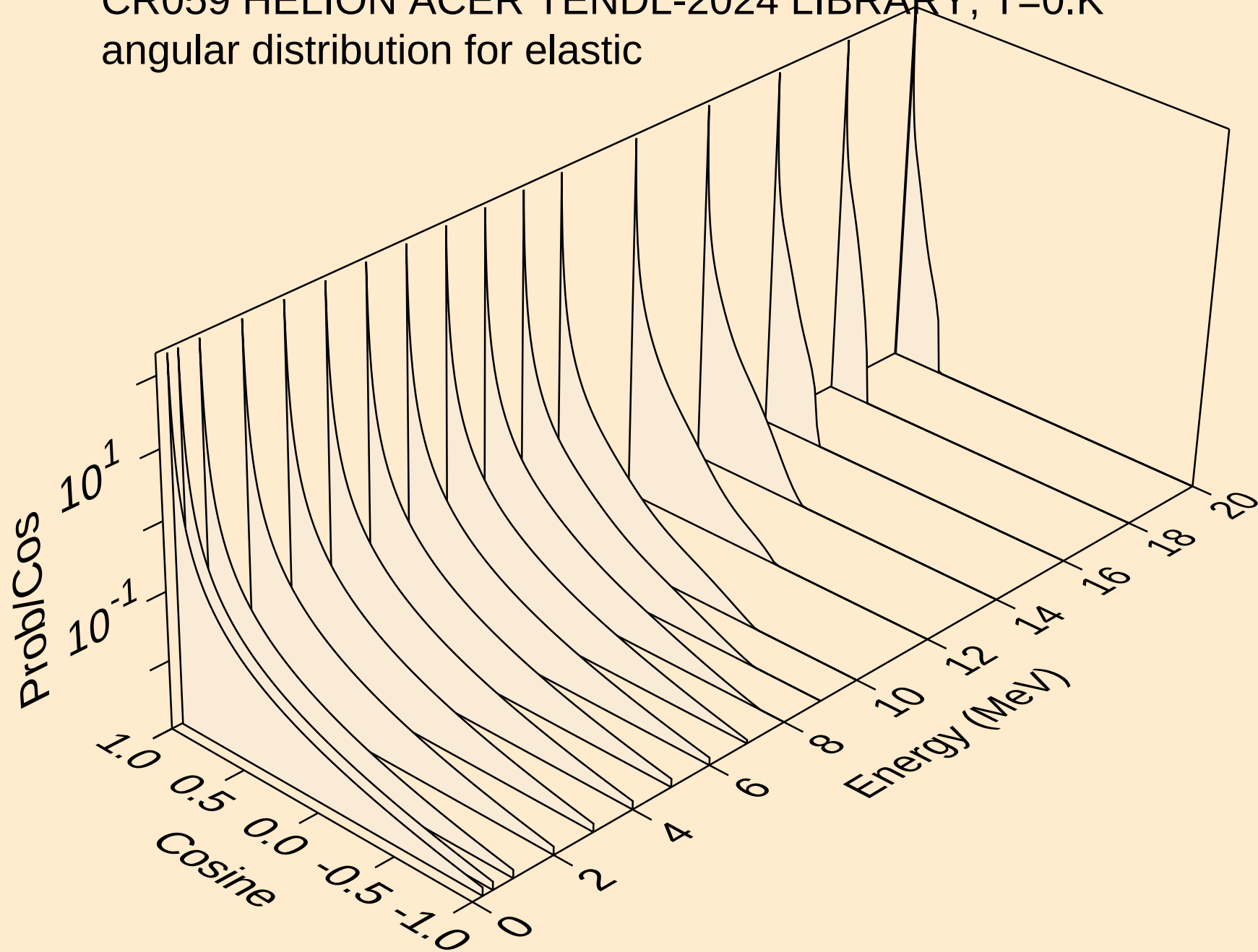


# CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K

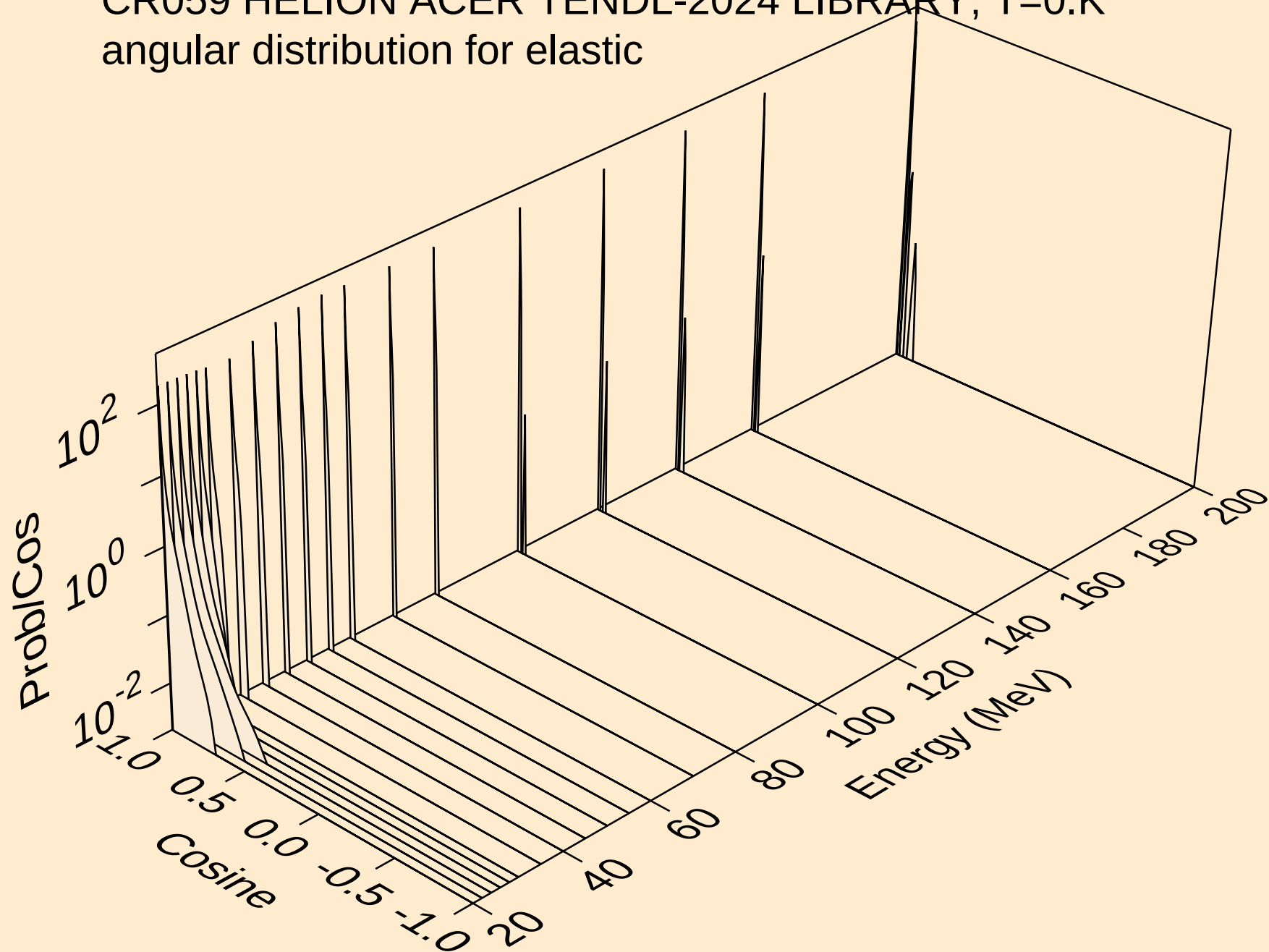
## Threshold reactions



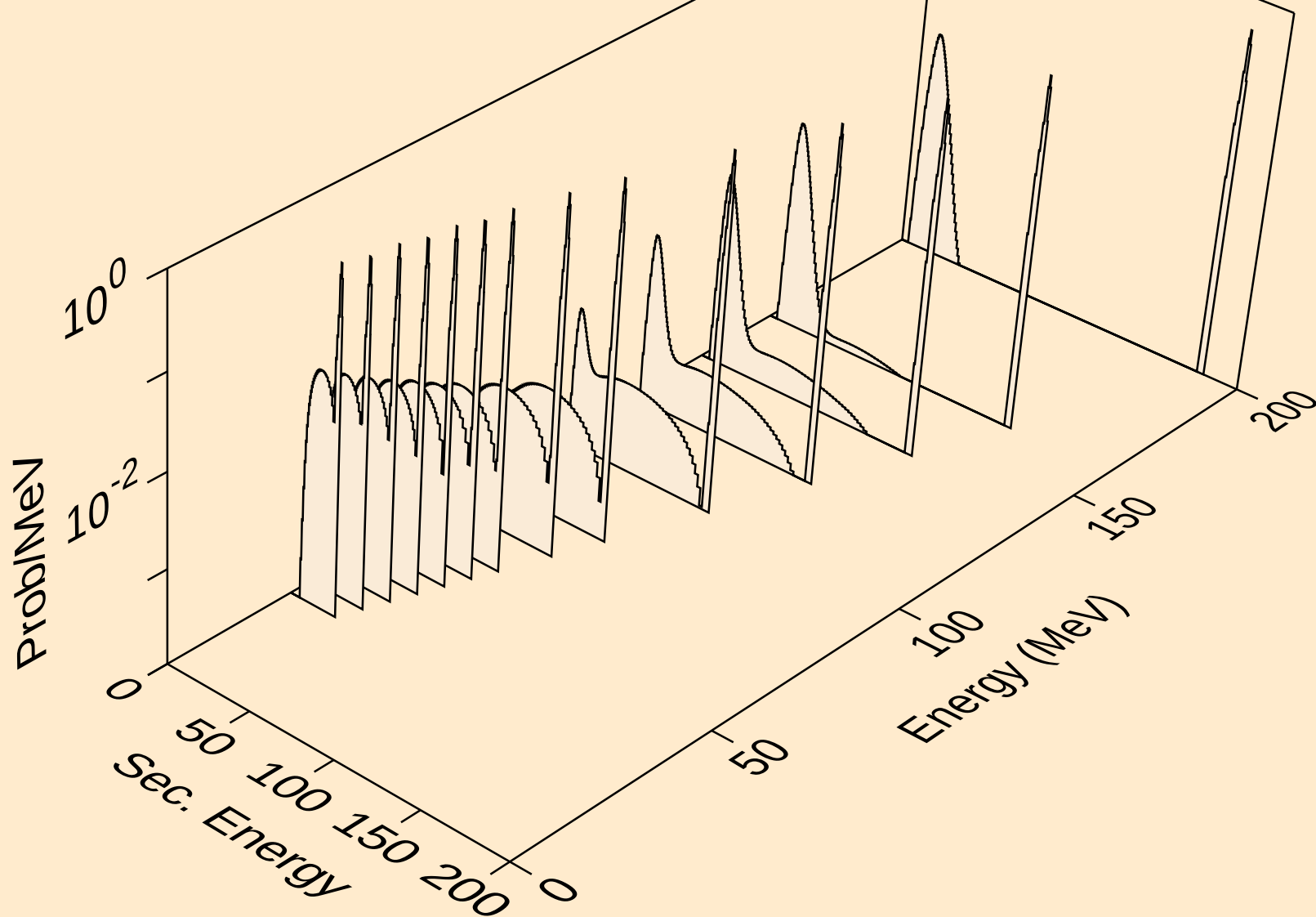
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



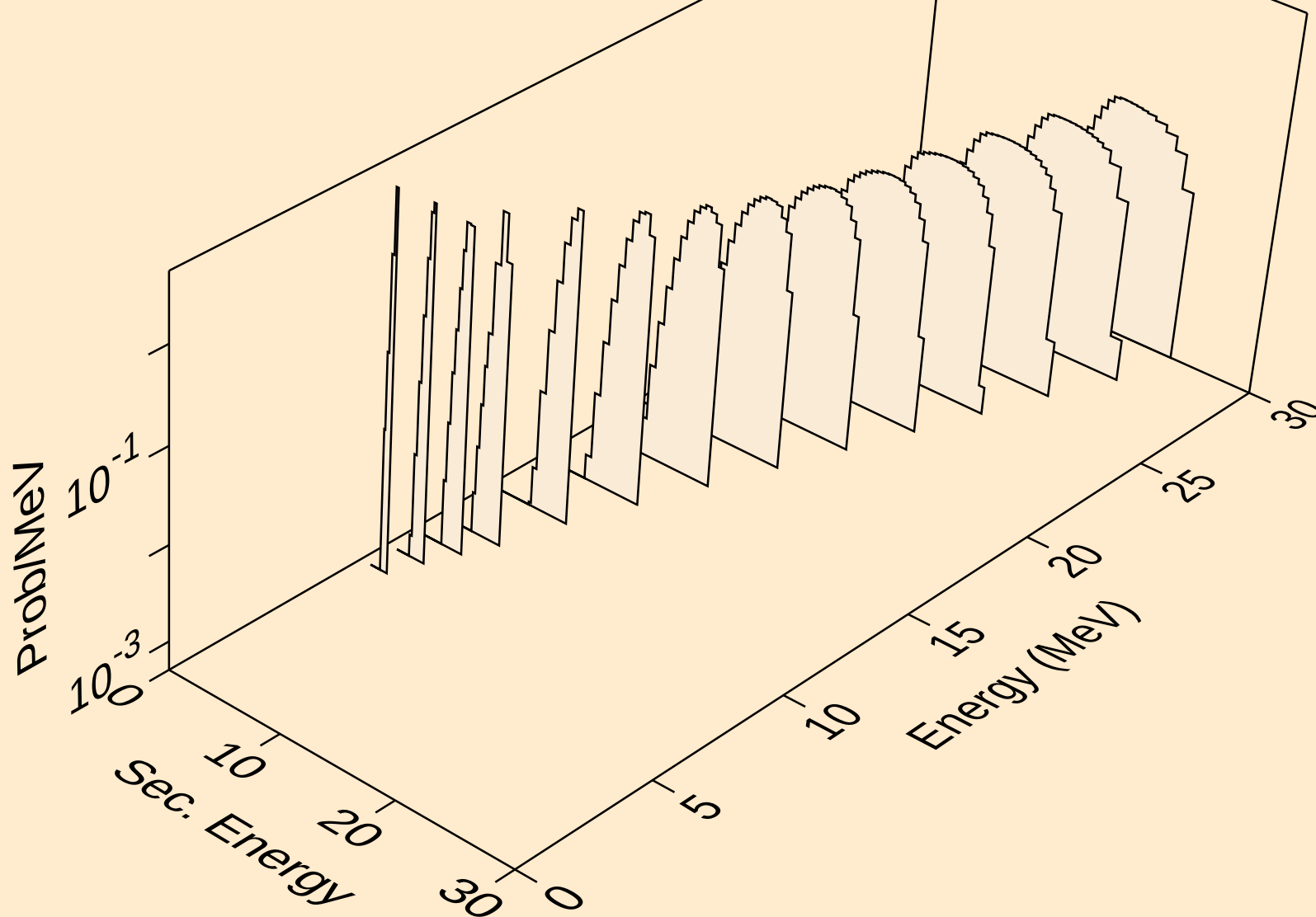
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for (s,x)

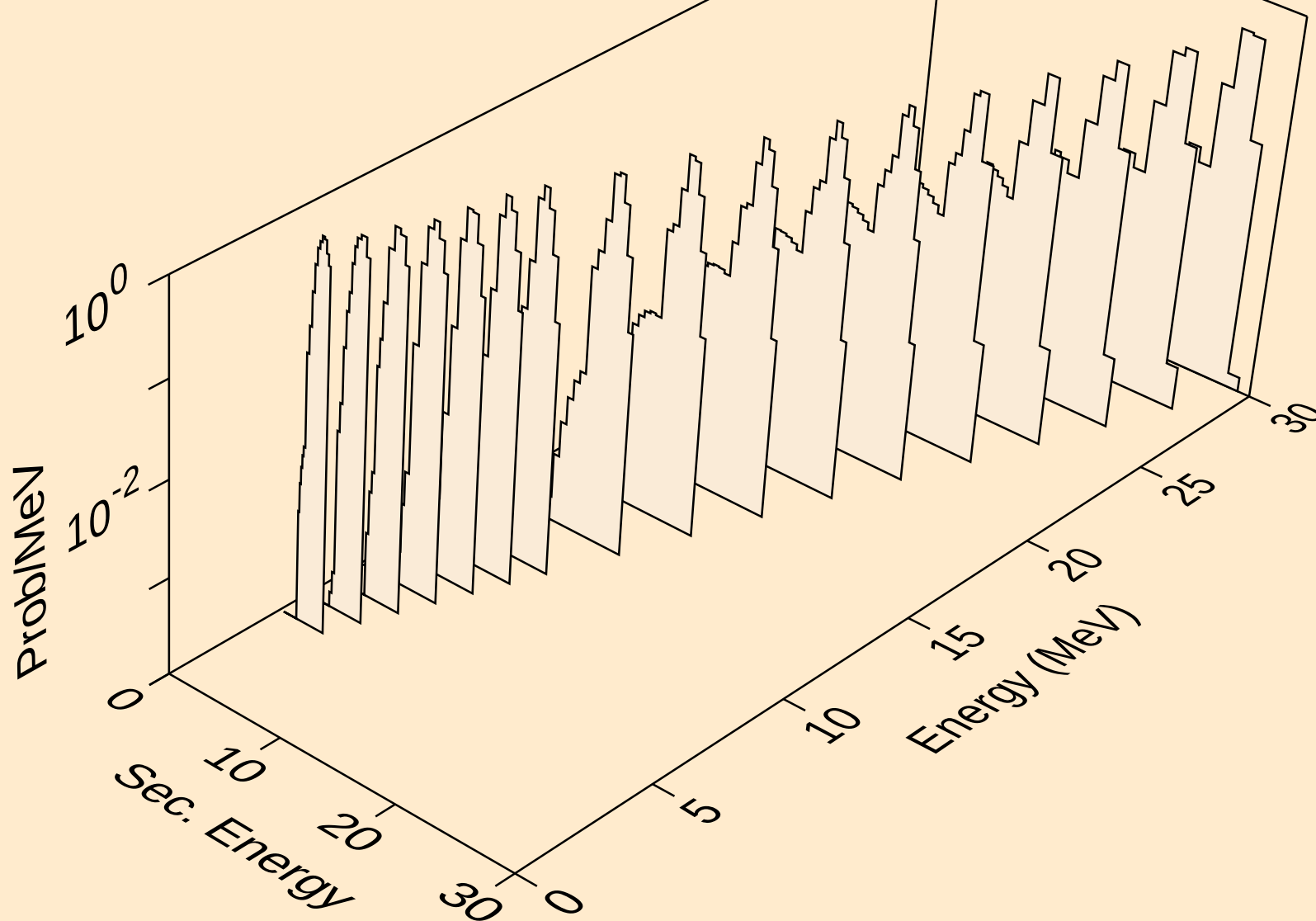


CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

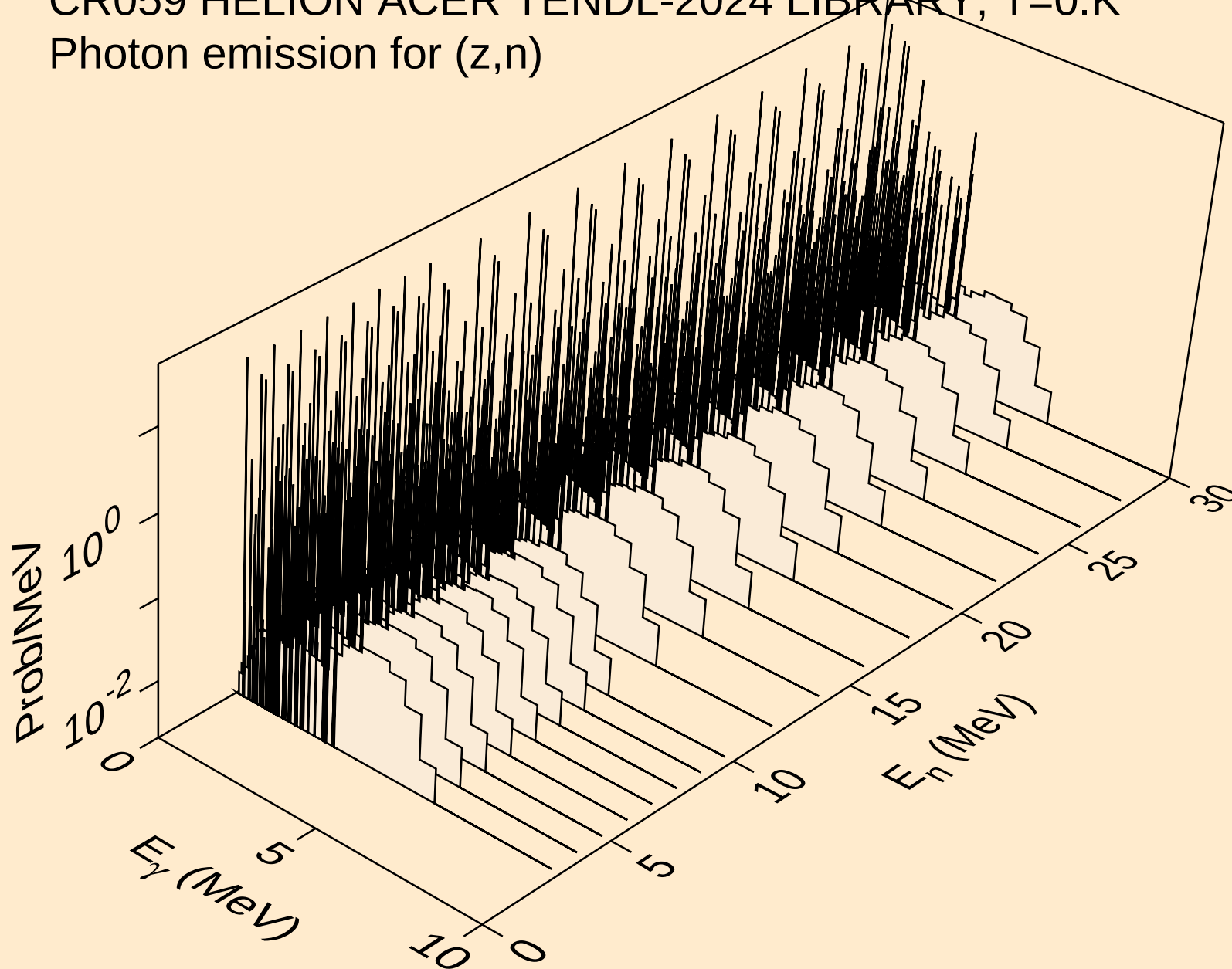




CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for inelastic

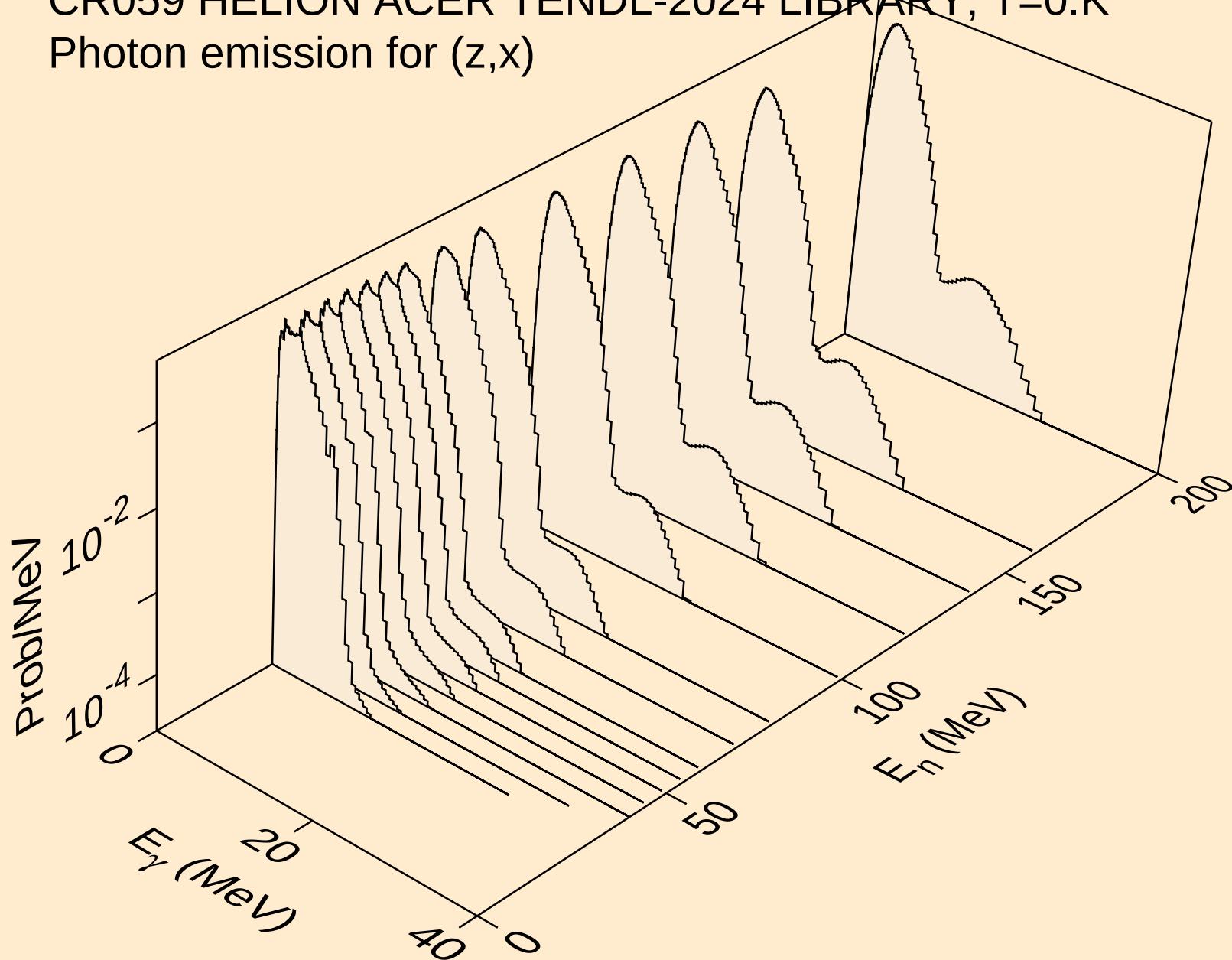


CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,n)

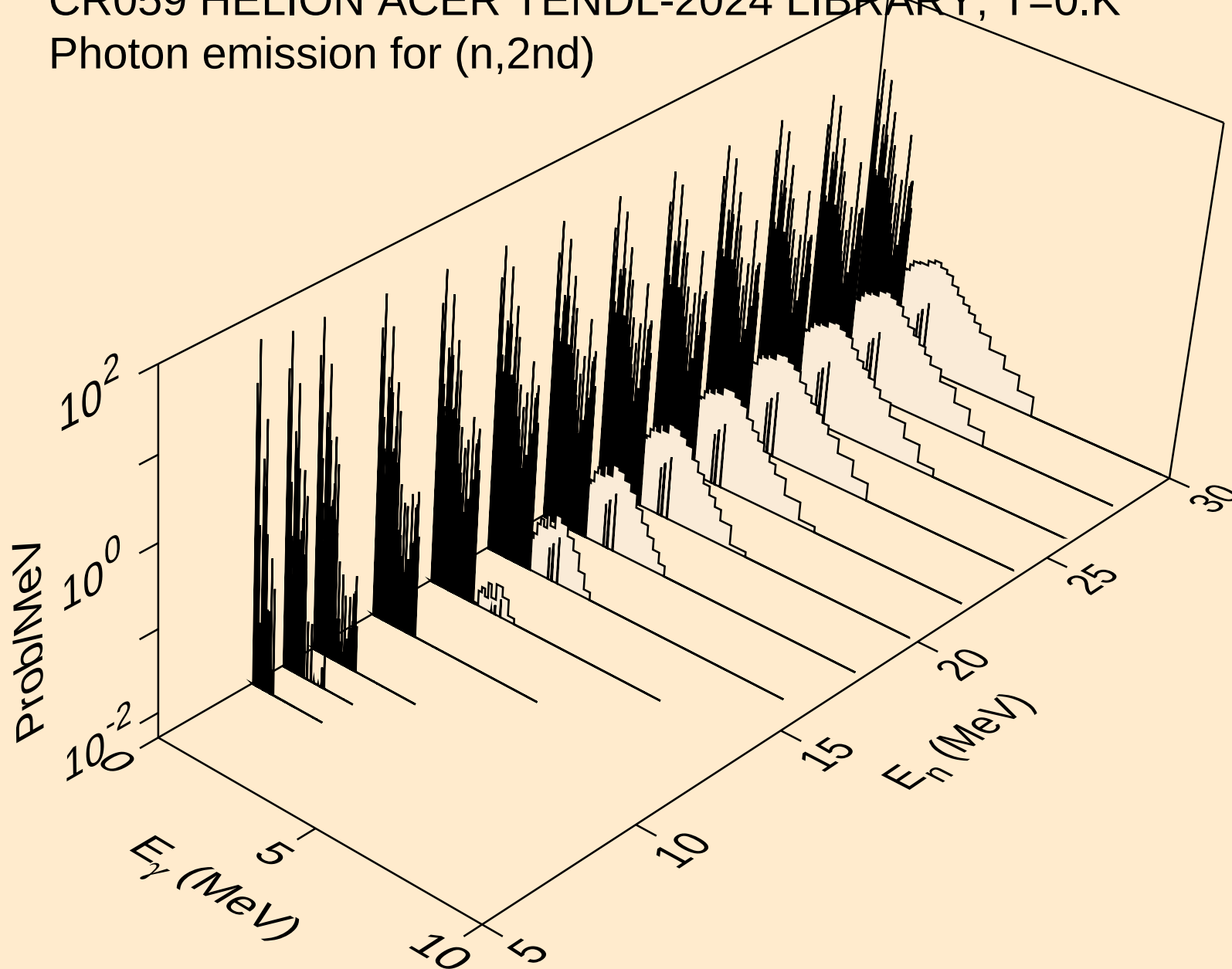


CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K

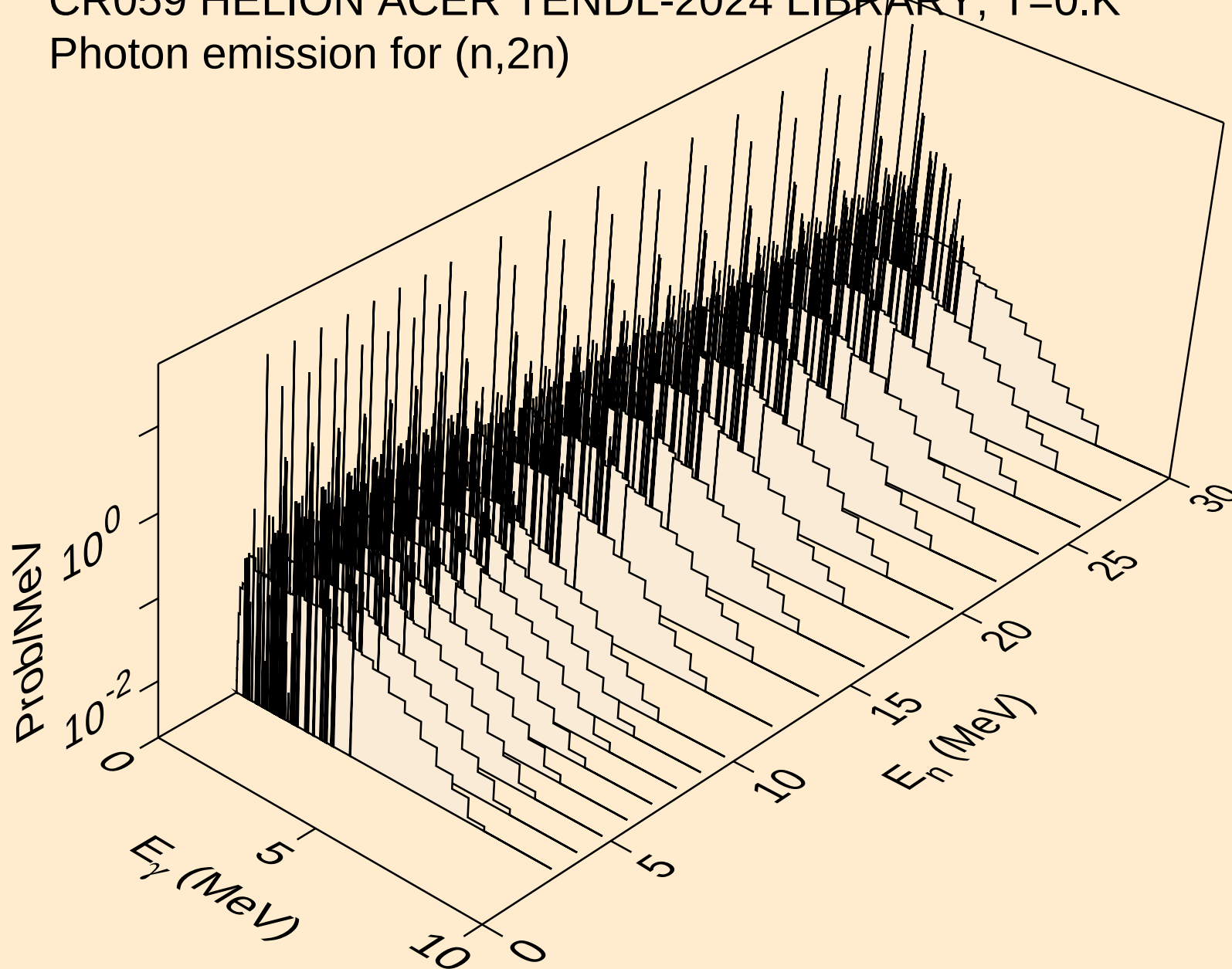
Photon emission for (z,x)



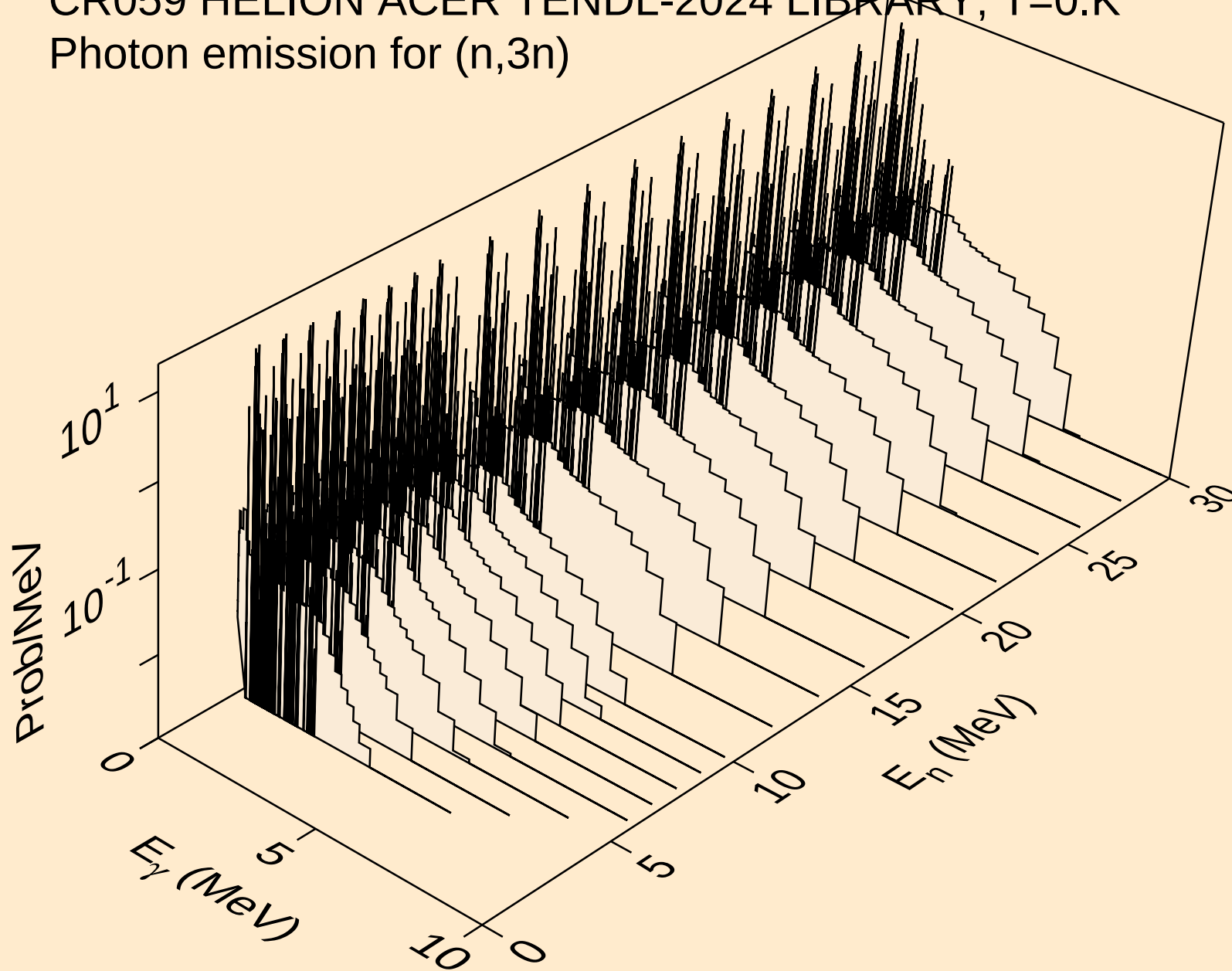
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)

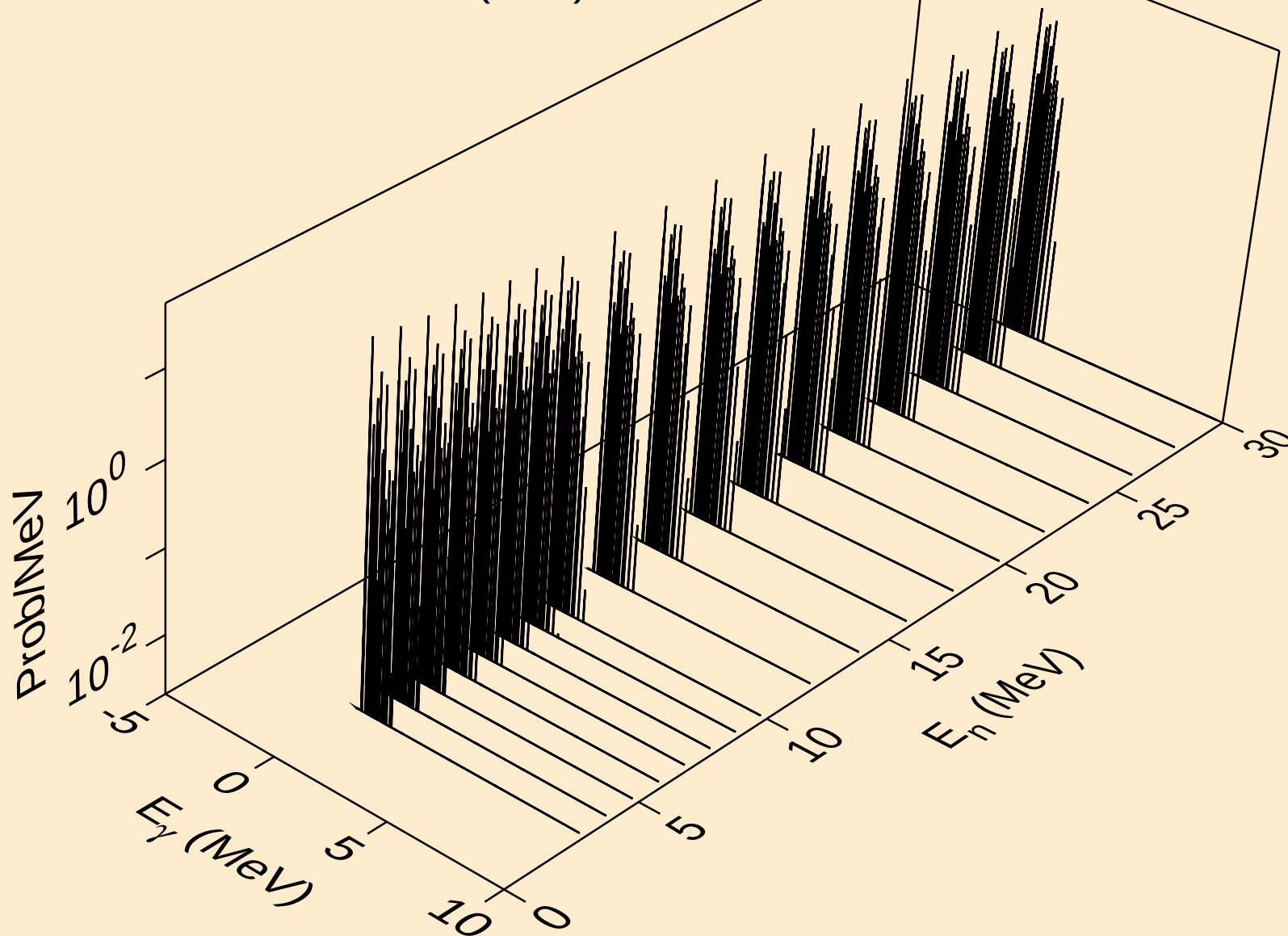


CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)

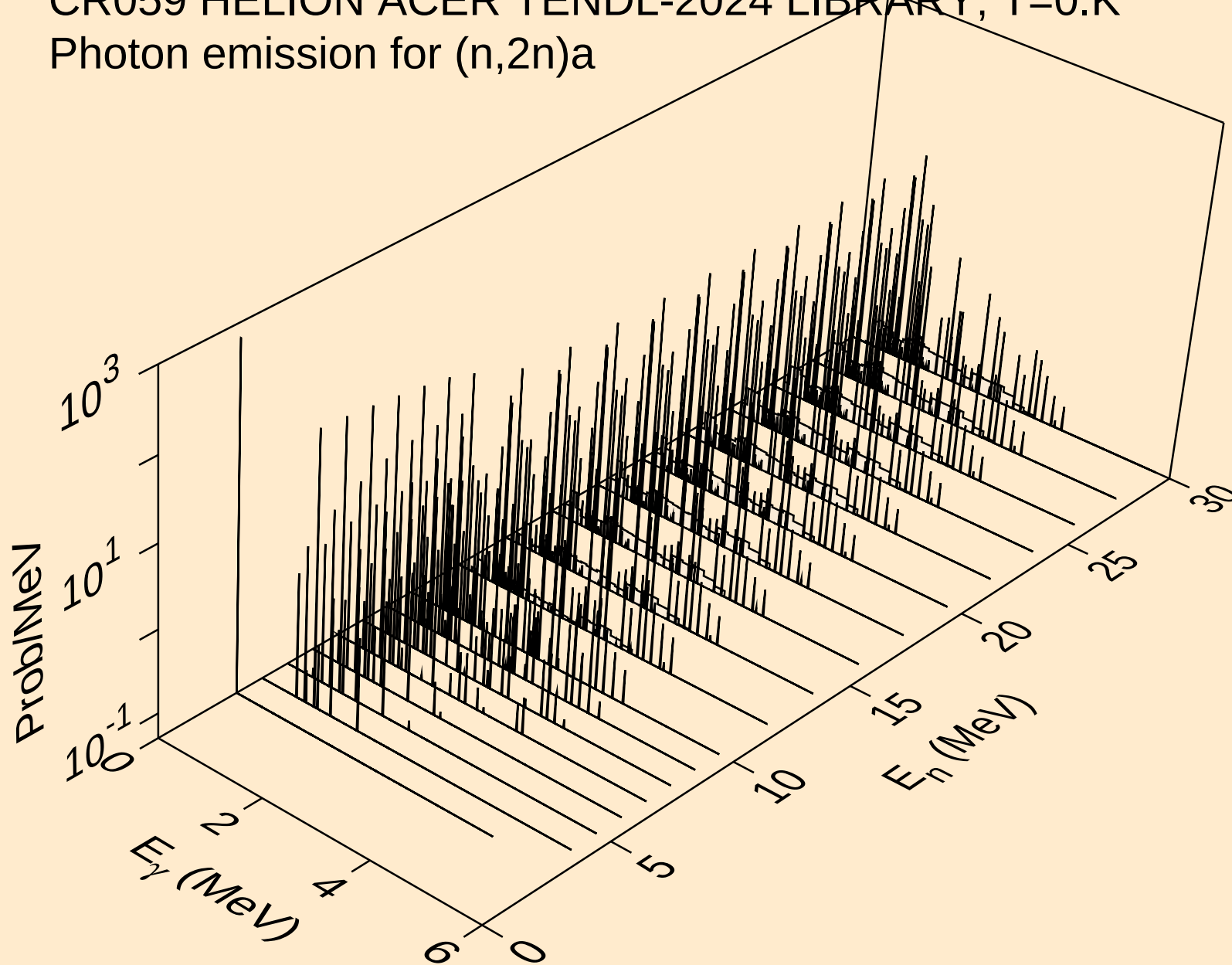


CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)a

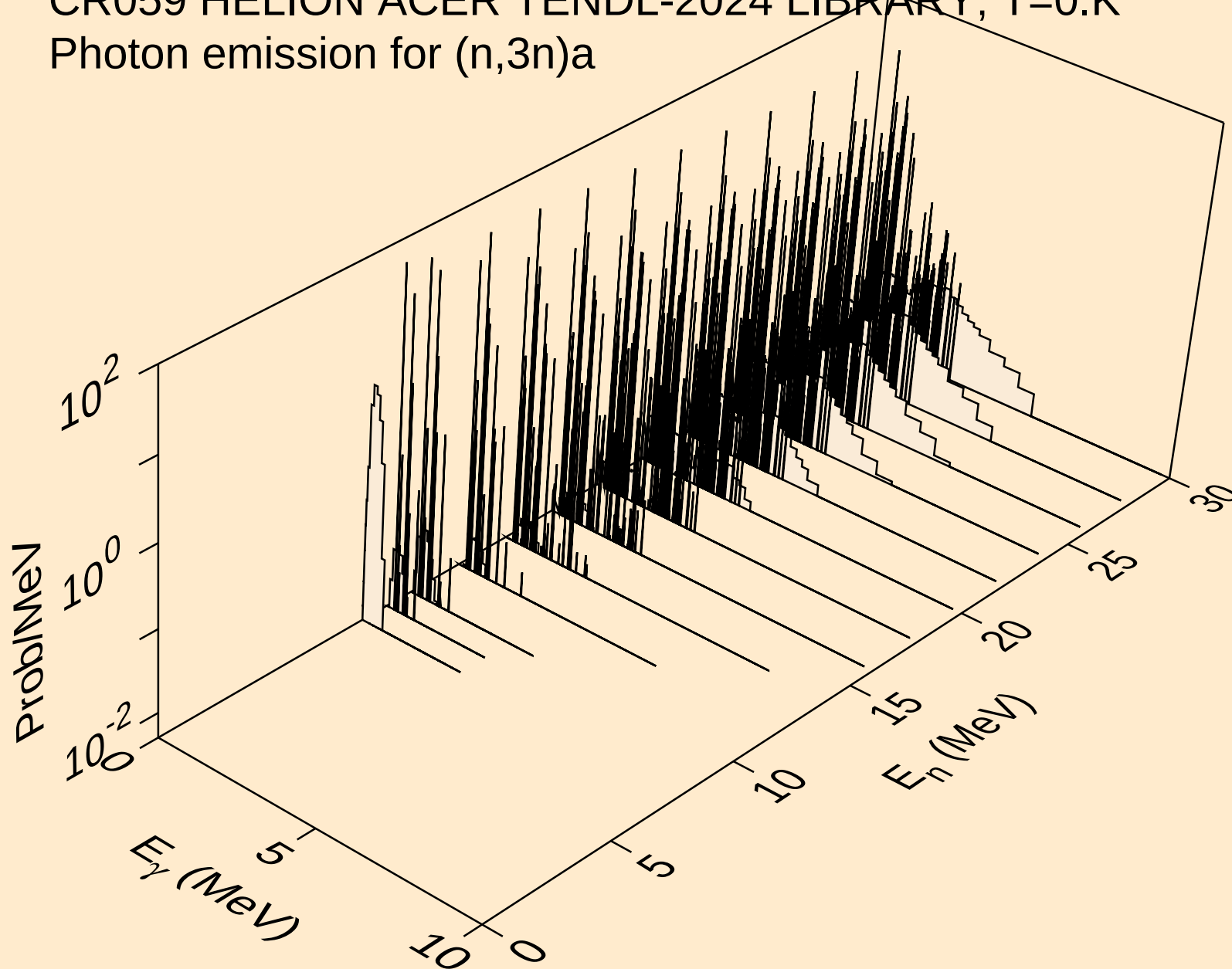


CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a

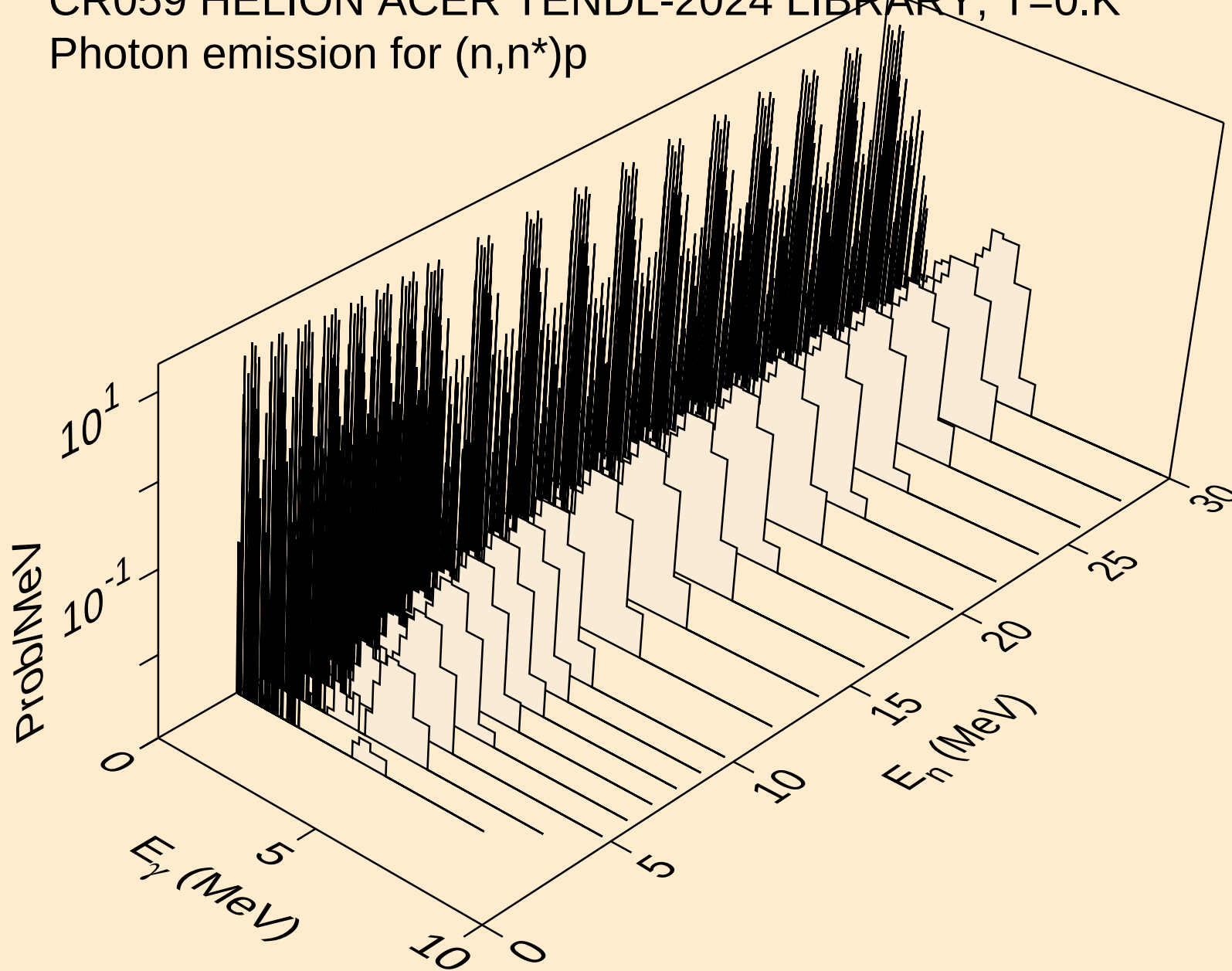




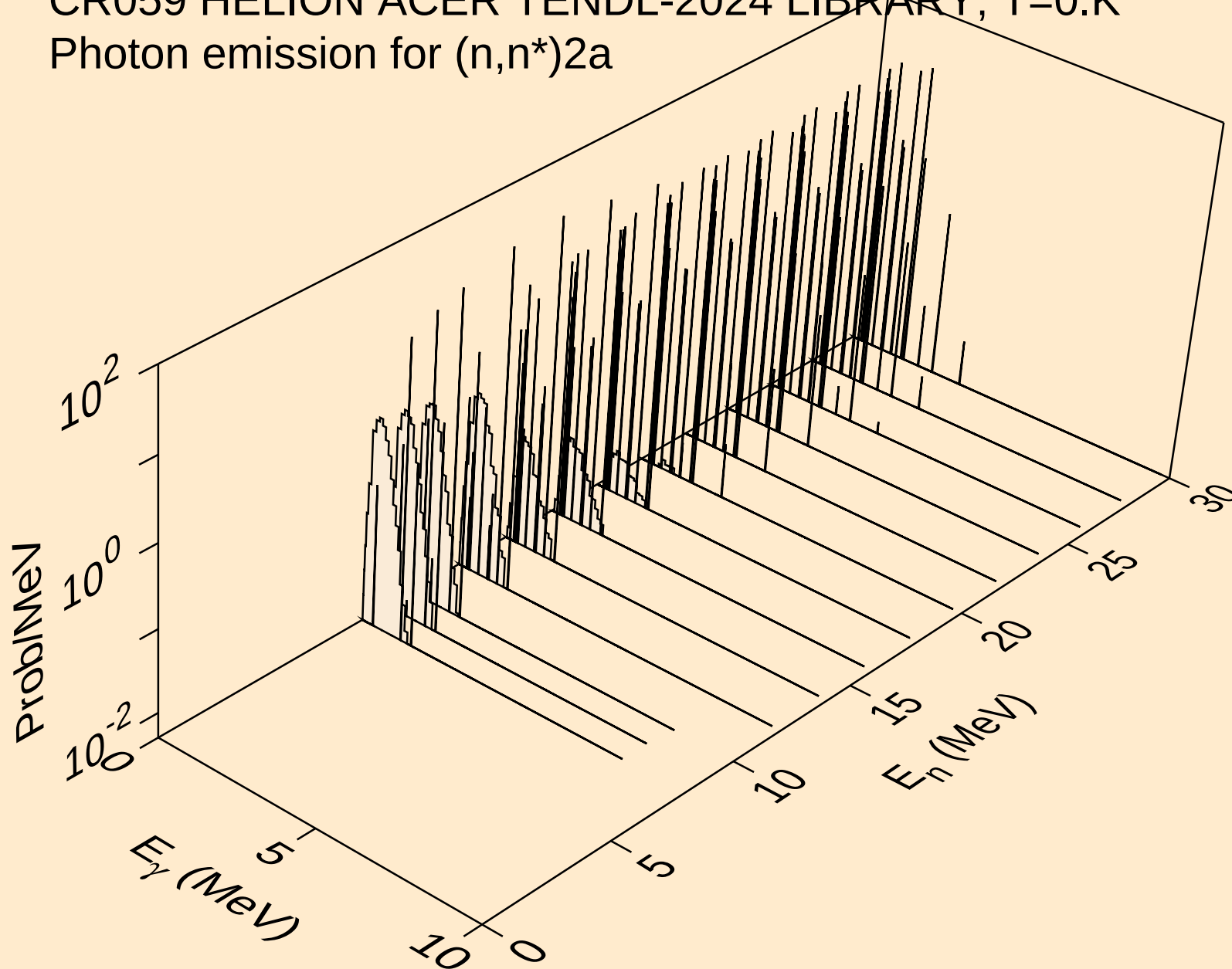
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a



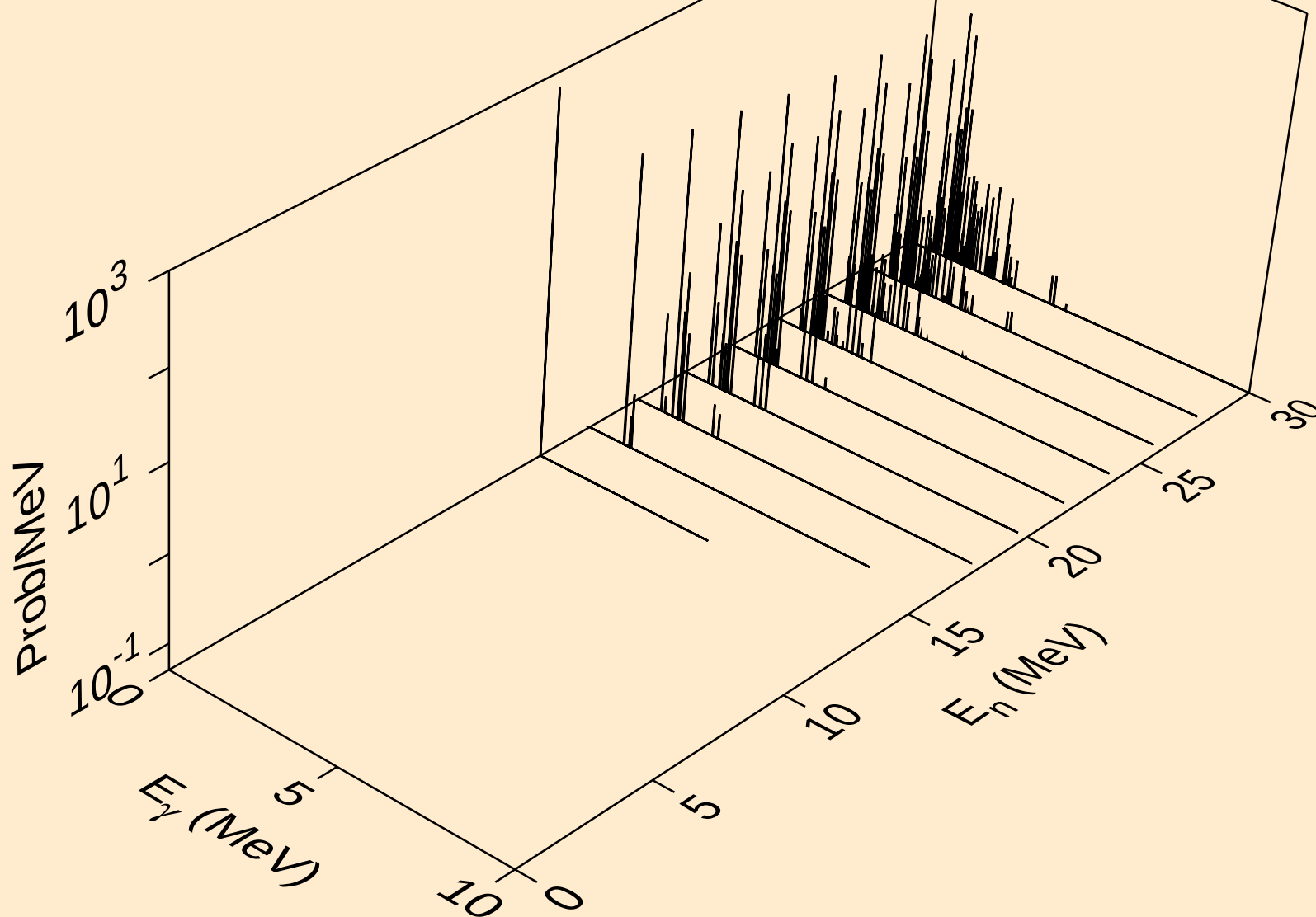
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



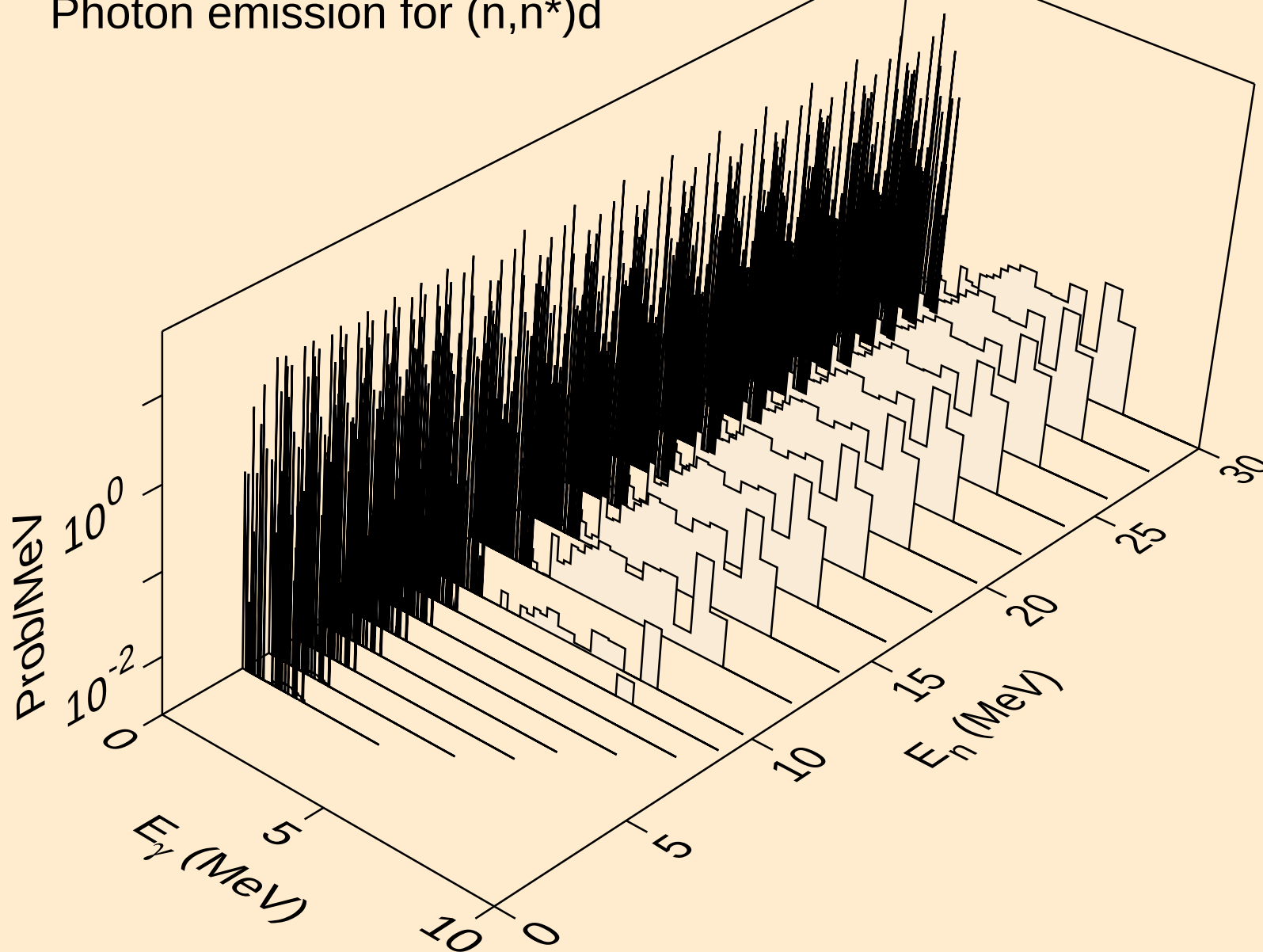
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



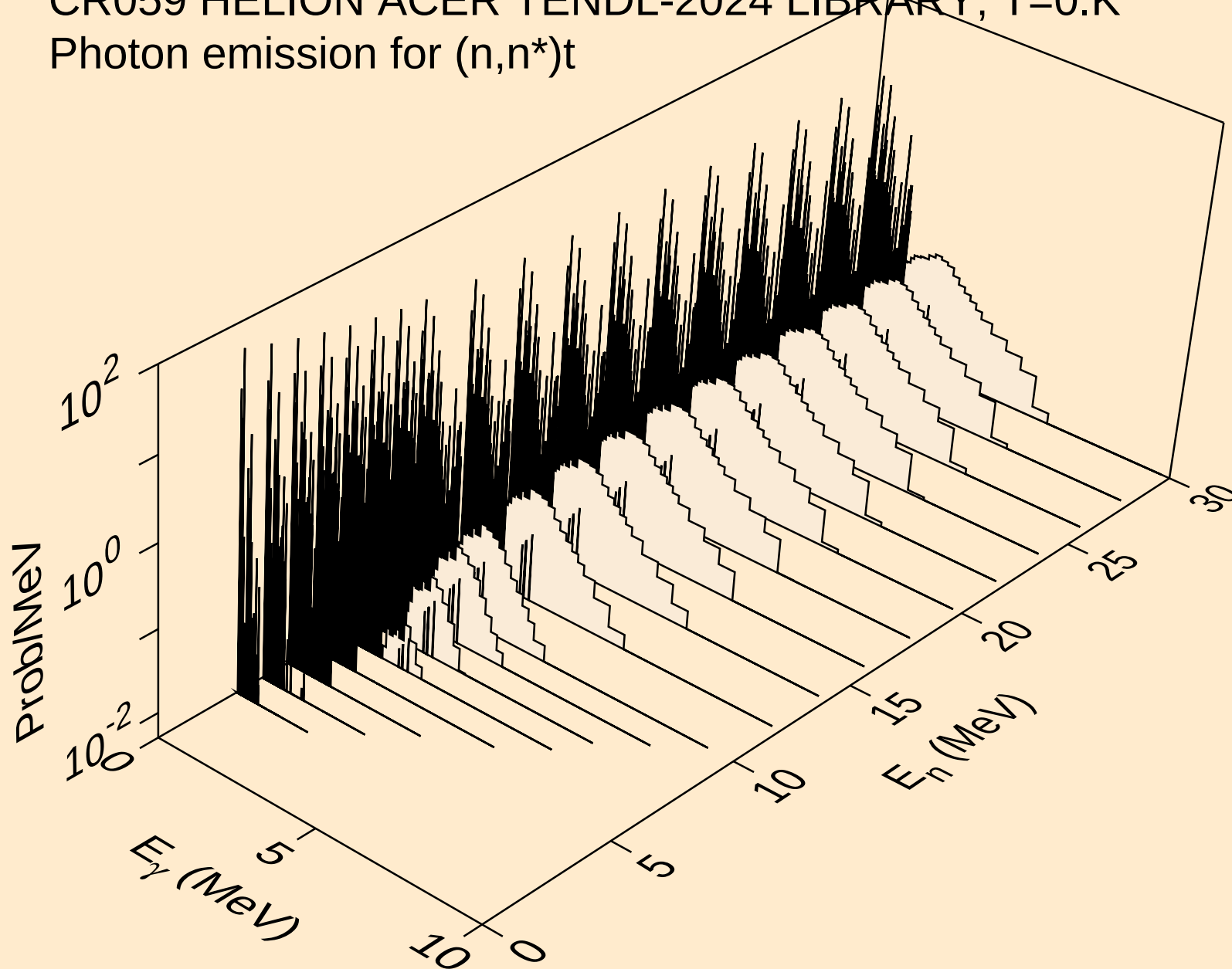
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



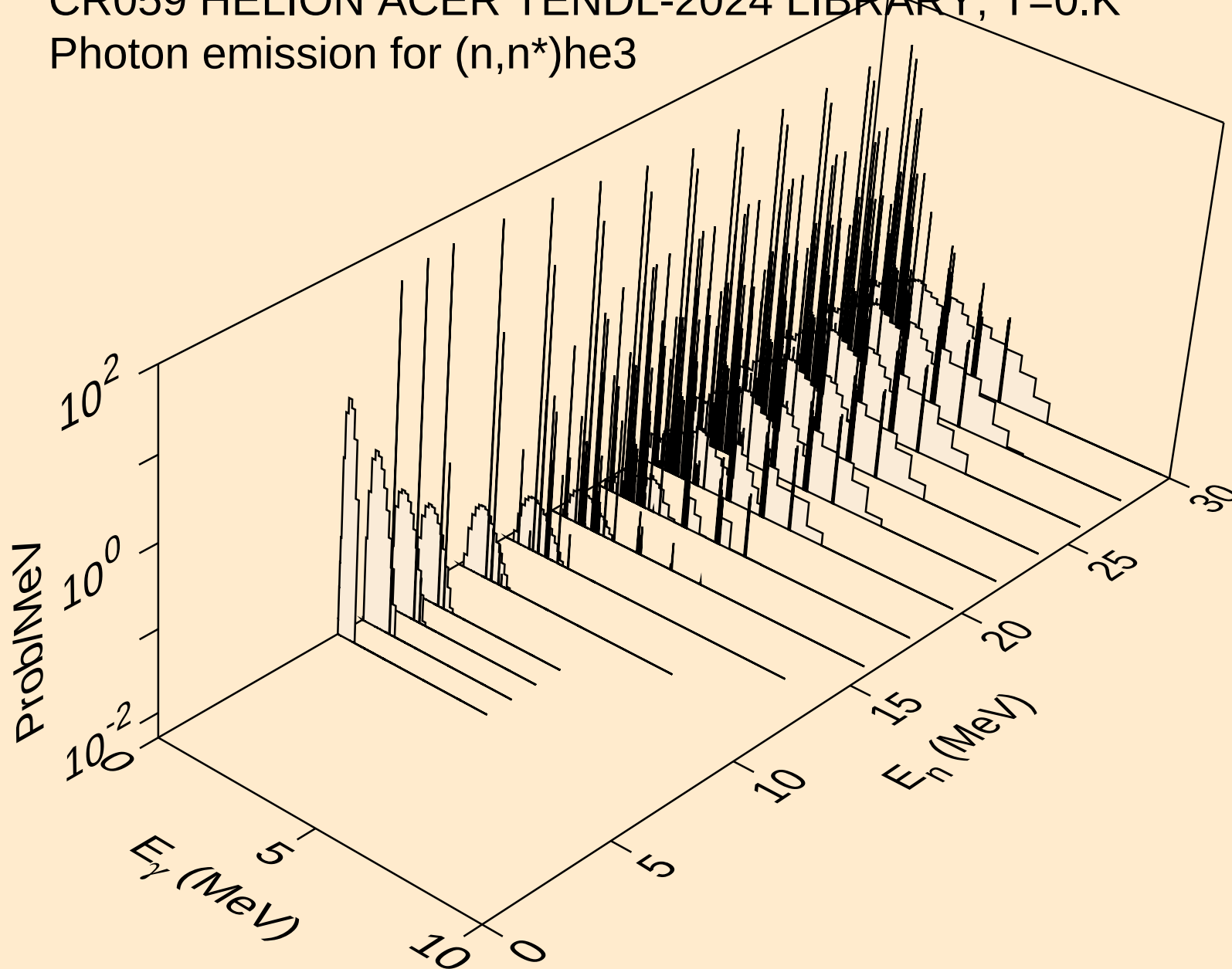
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



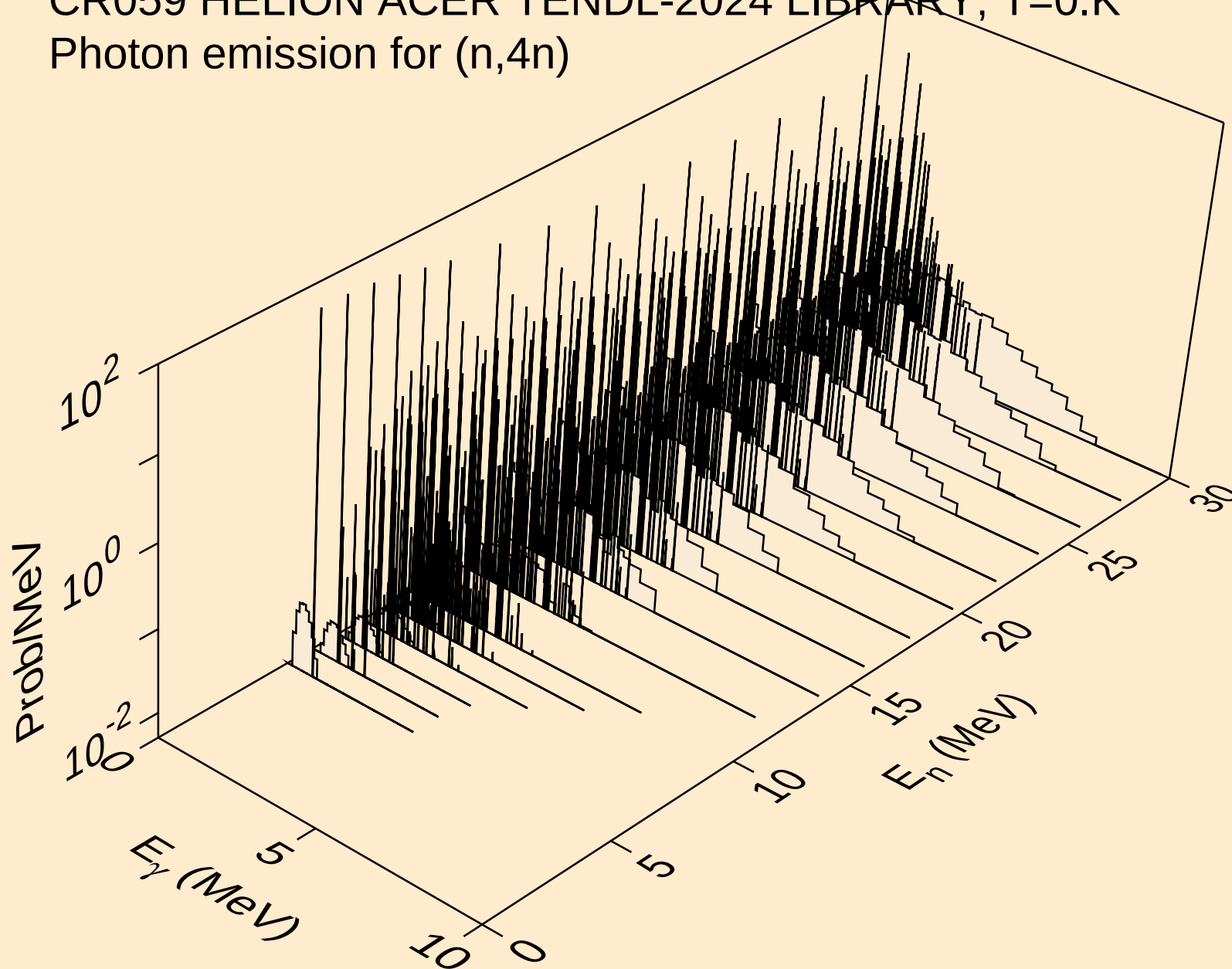
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

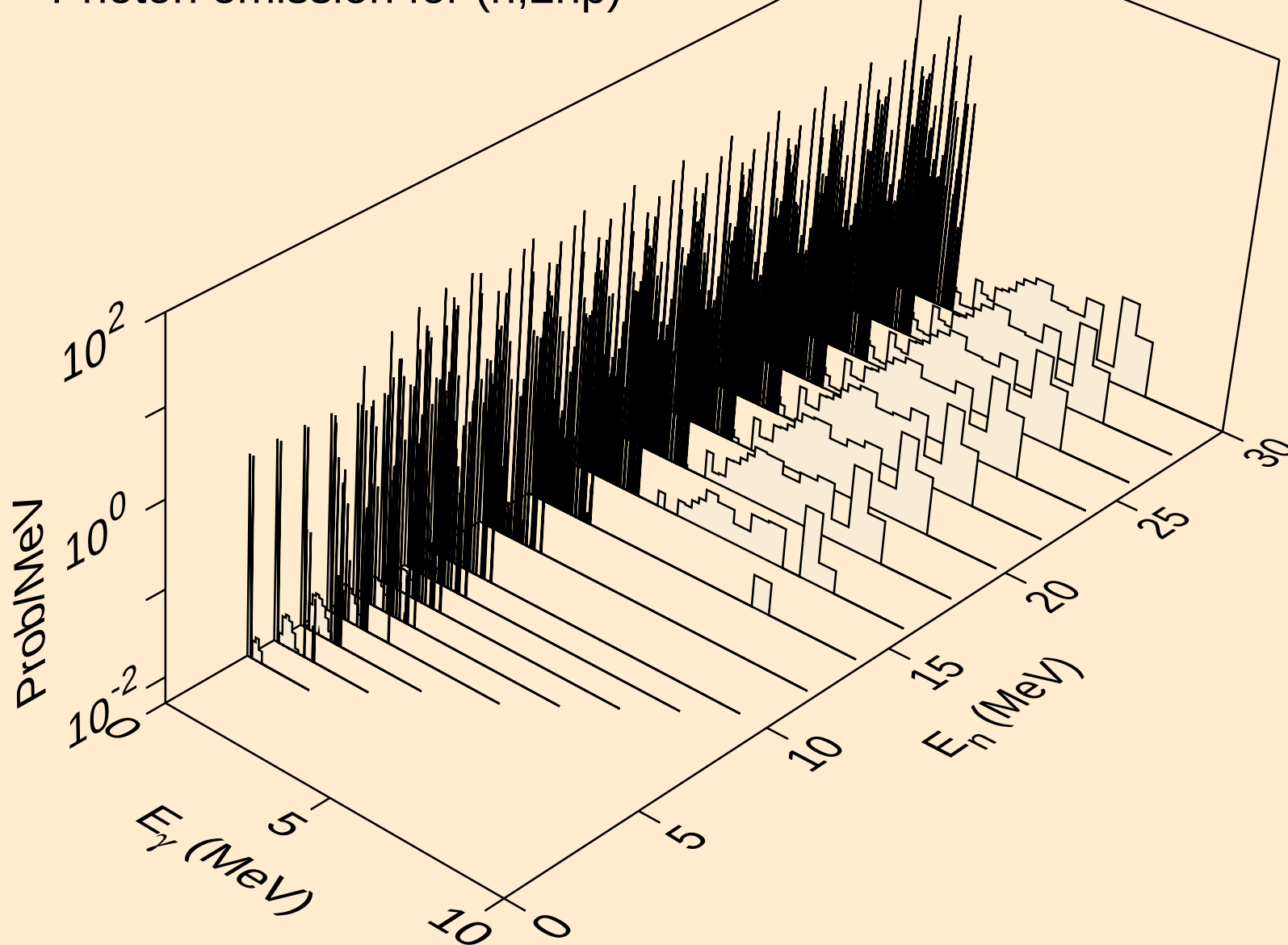


CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)

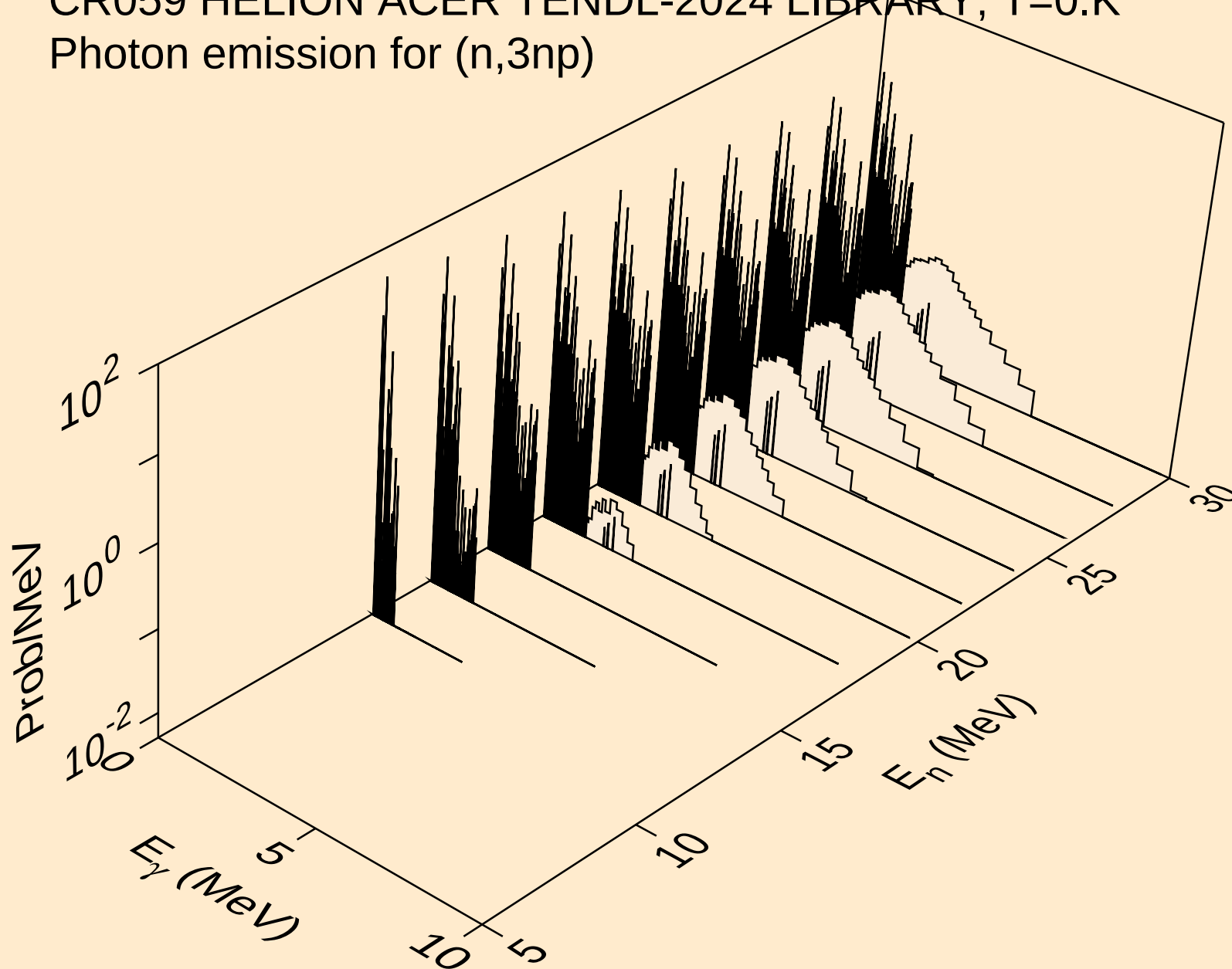




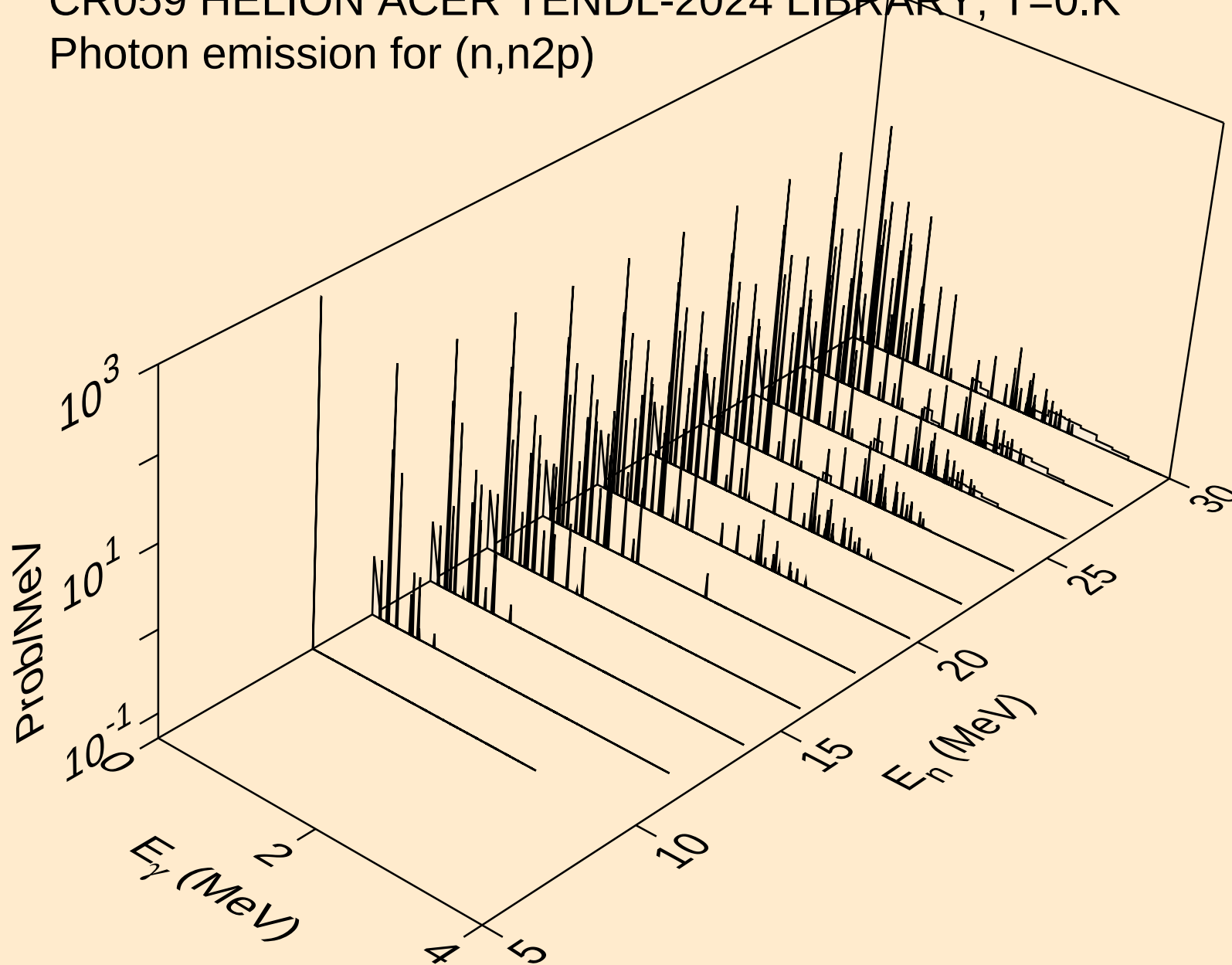
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



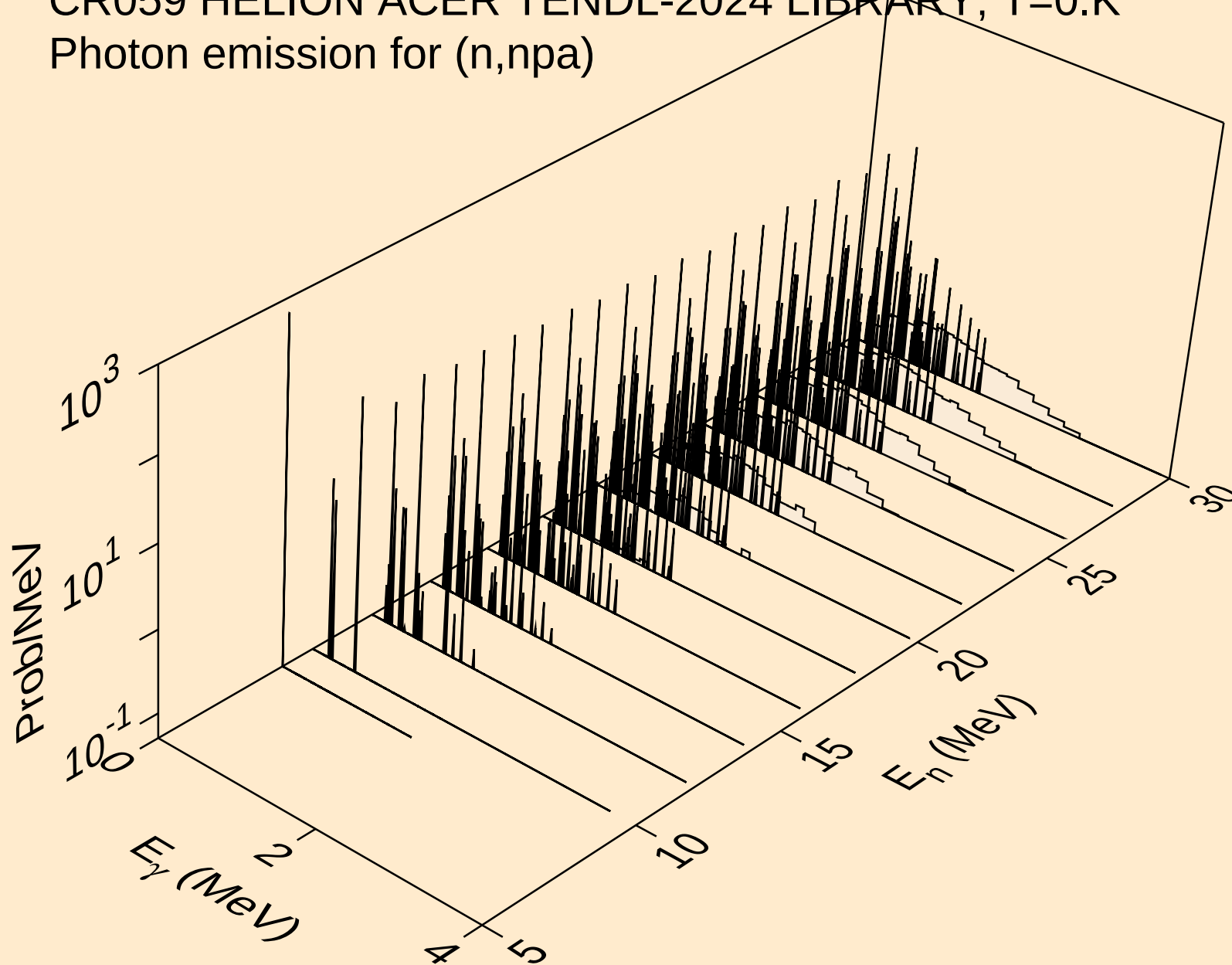
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)



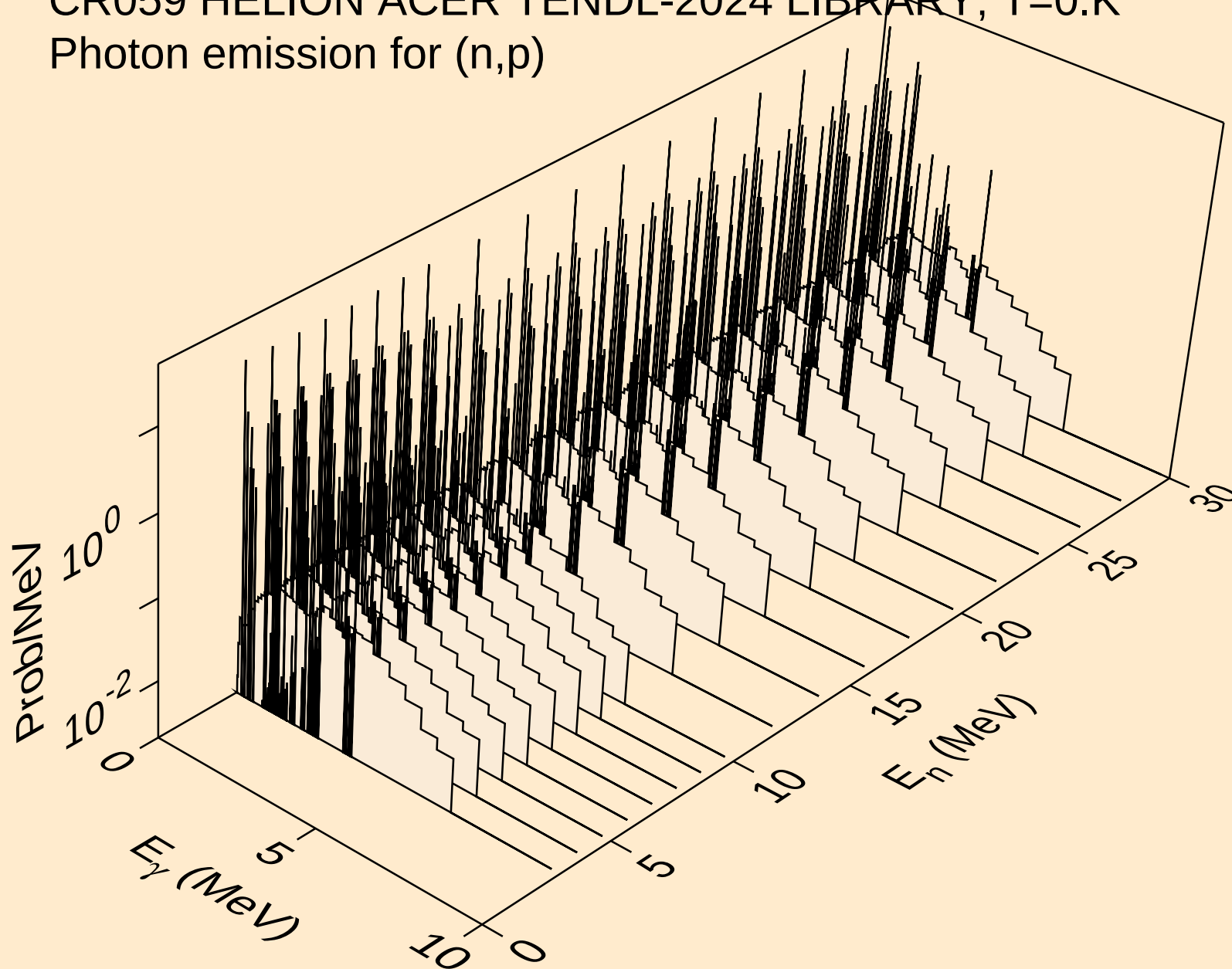
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Photon emission for (n,n2p)



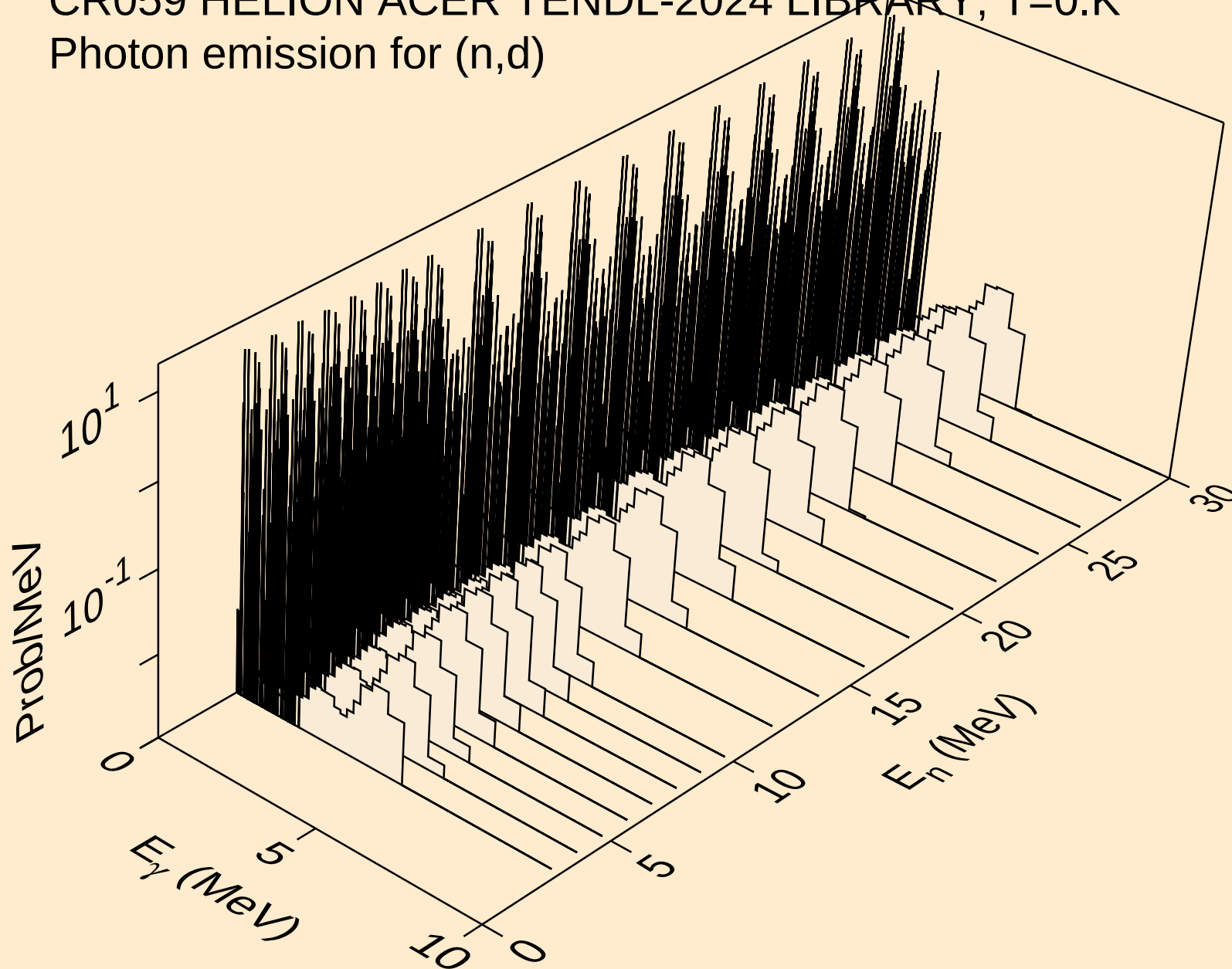
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Photon emission for (n,npa)



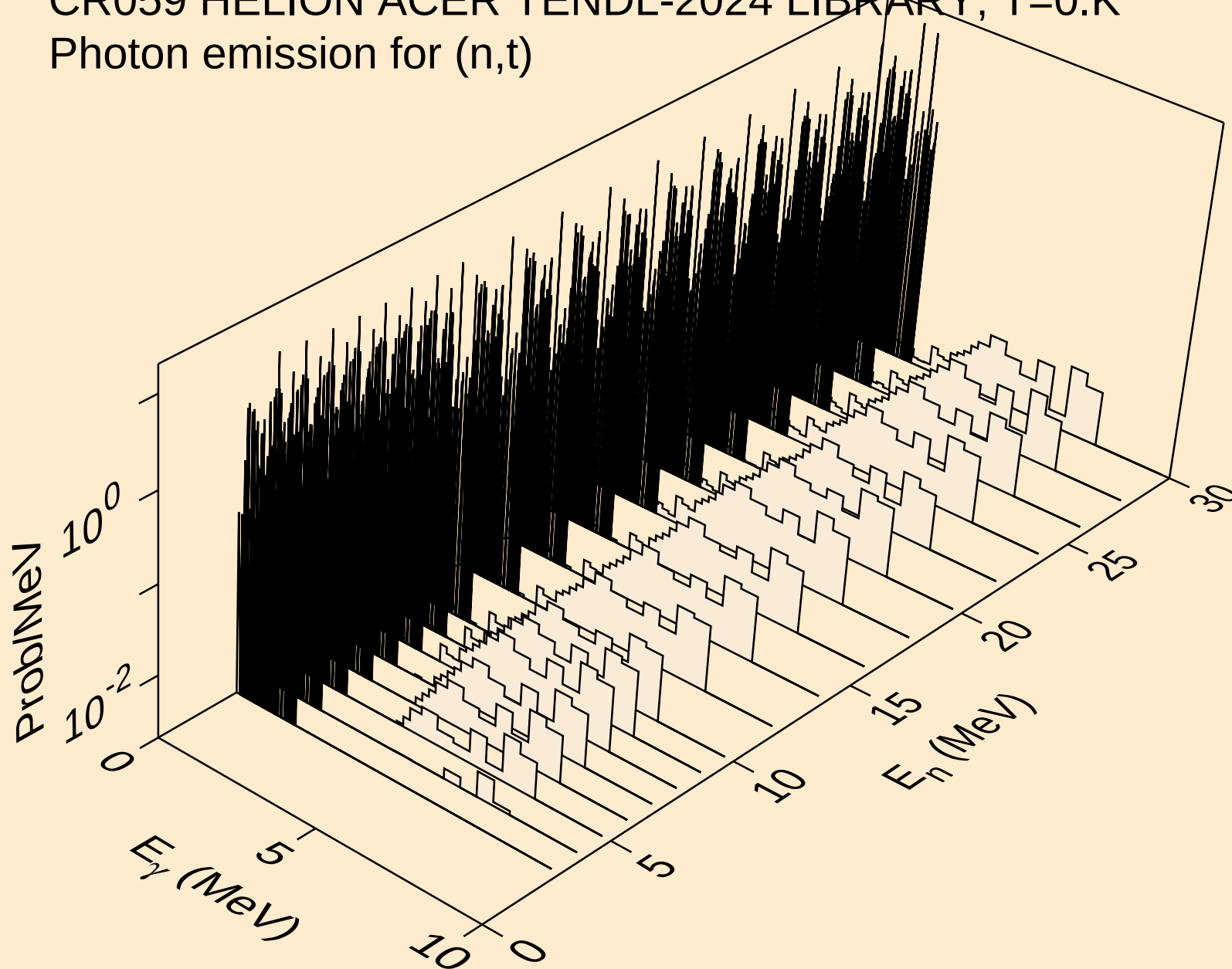
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



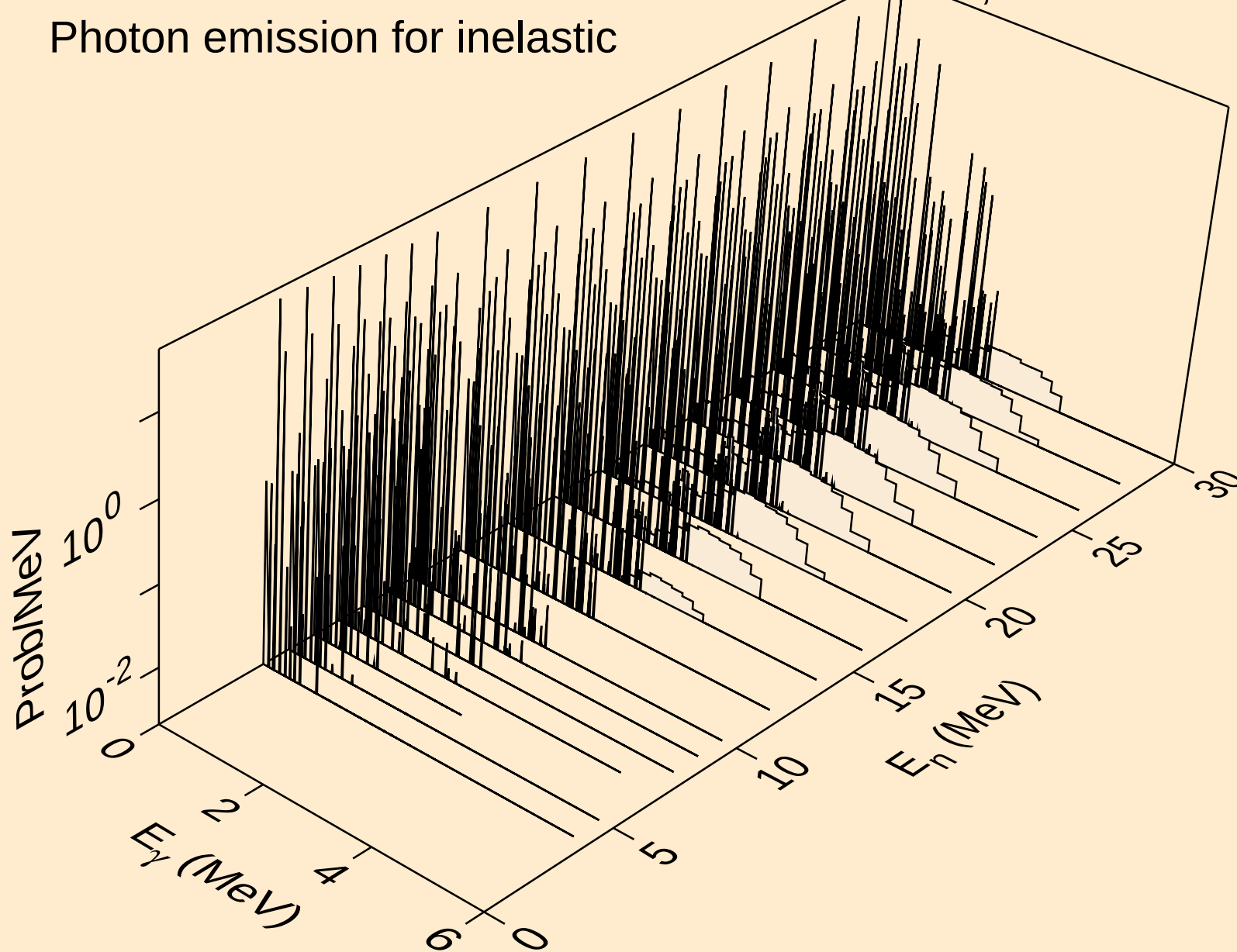
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)

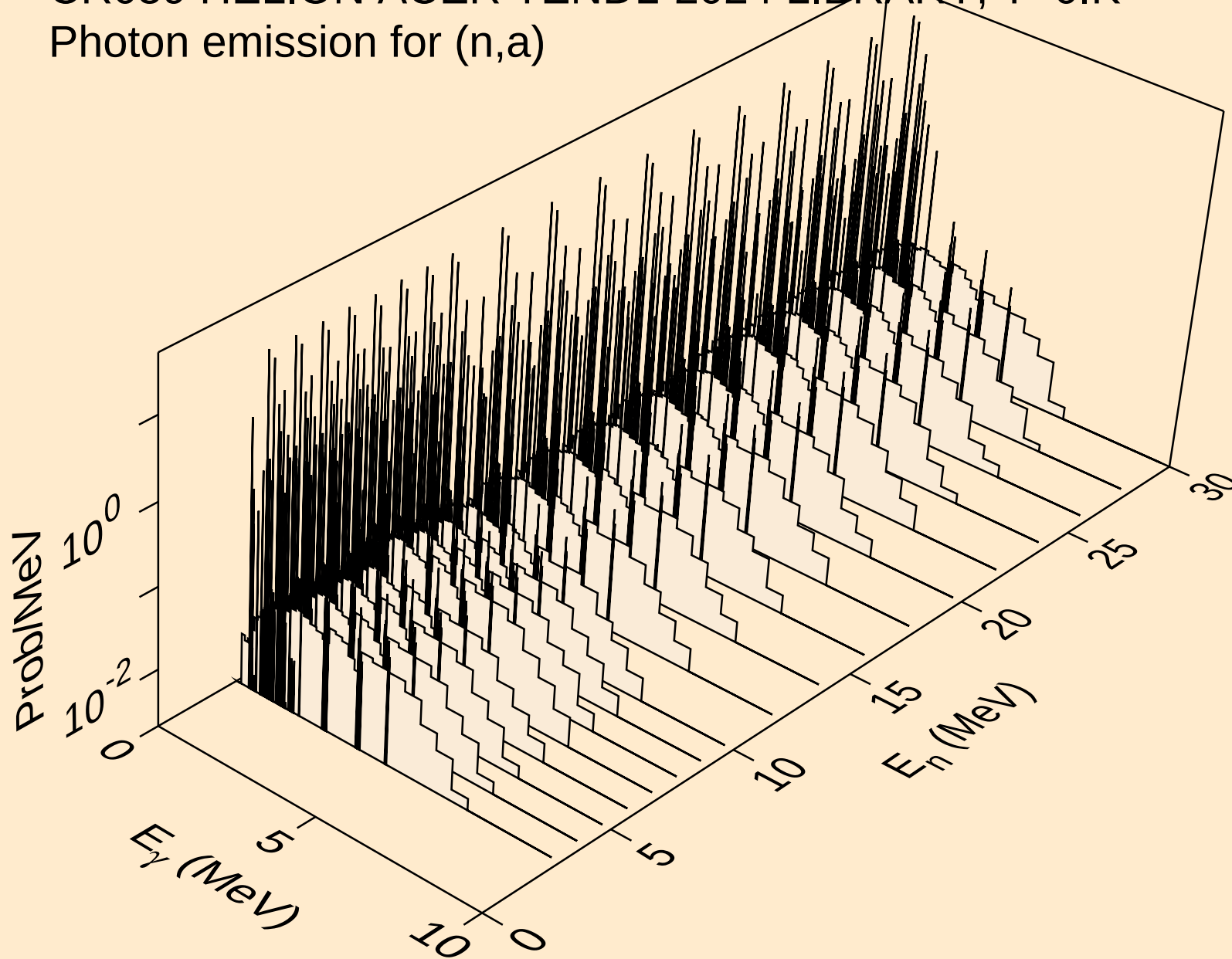


CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for inelastic

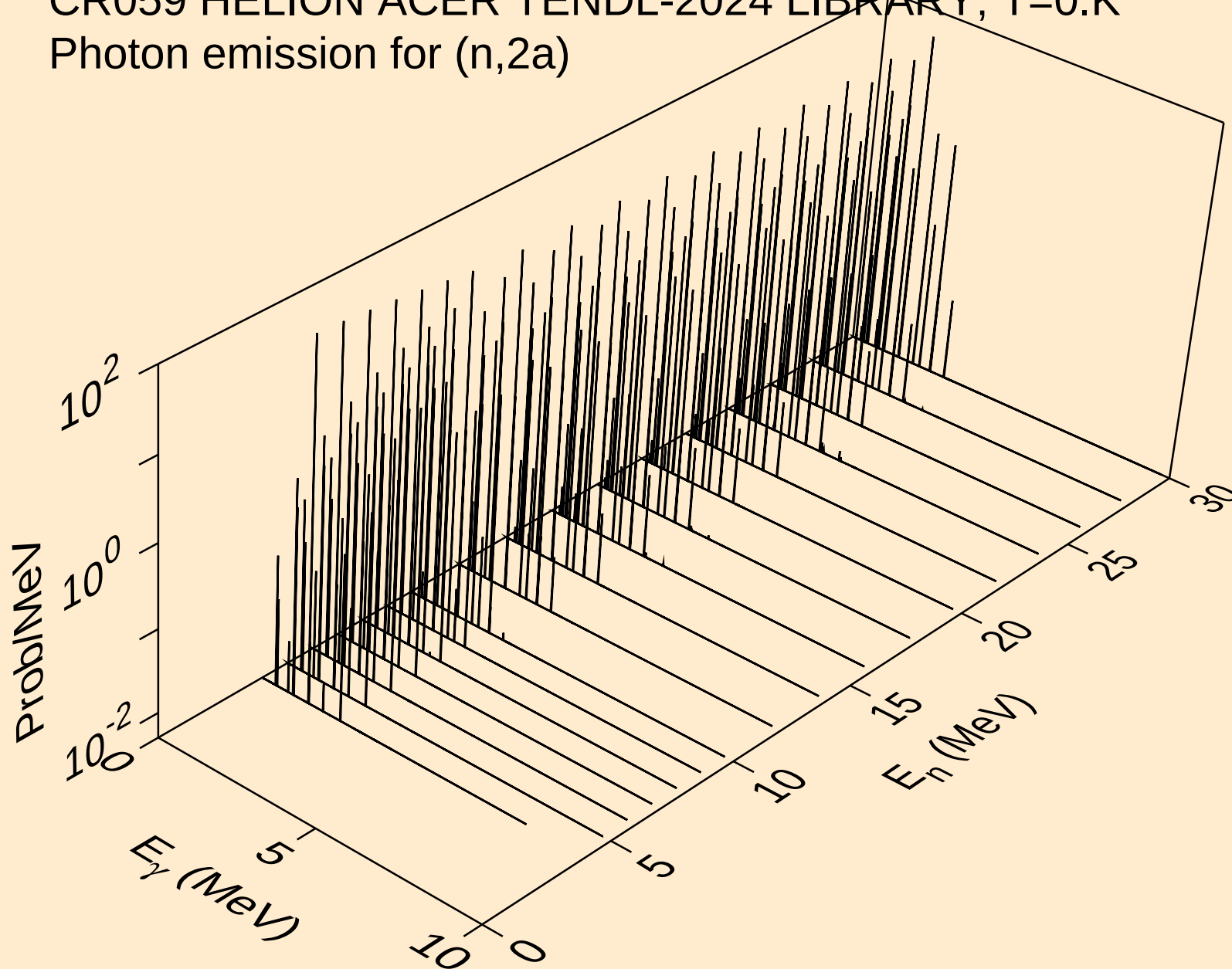




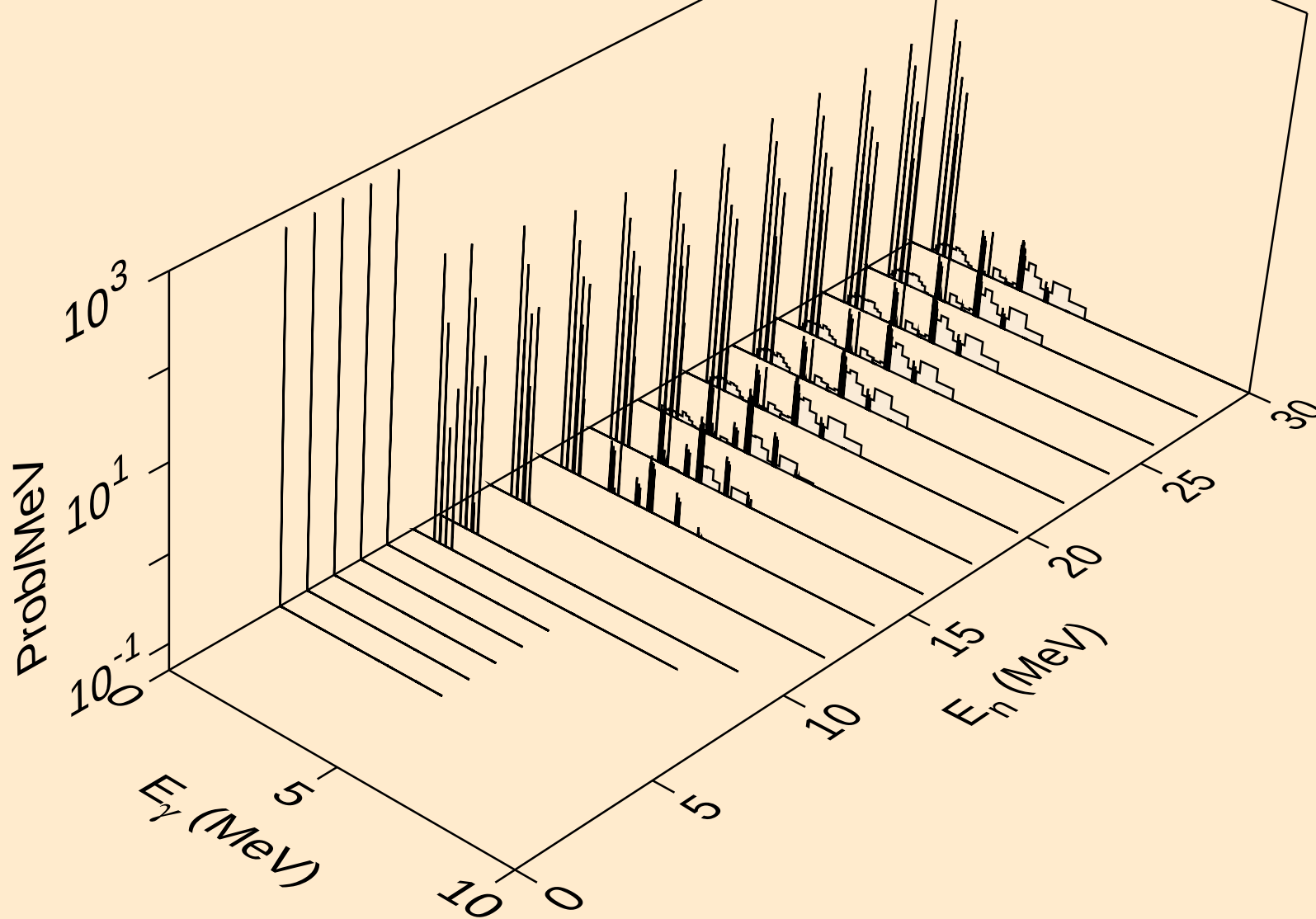
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



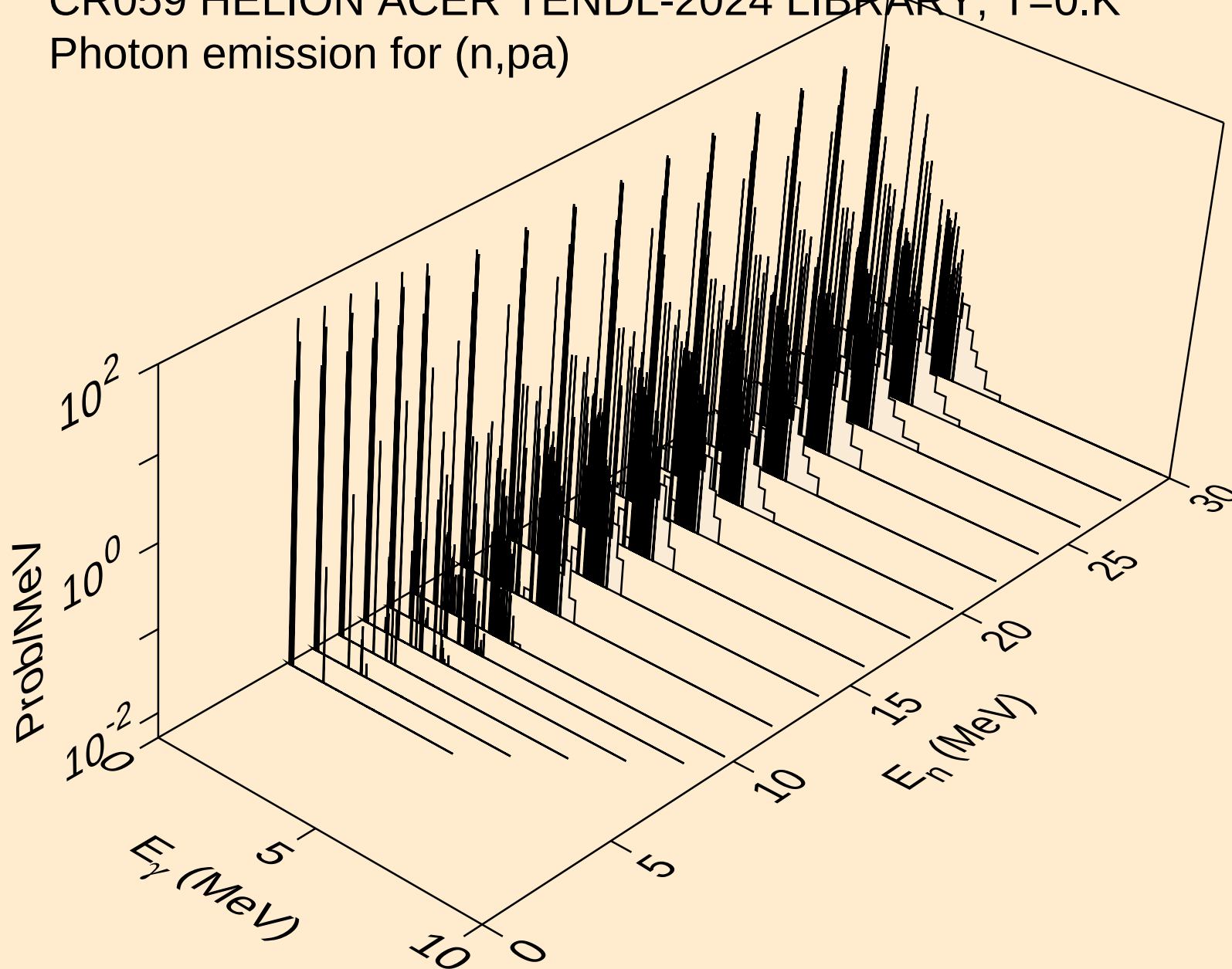
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)



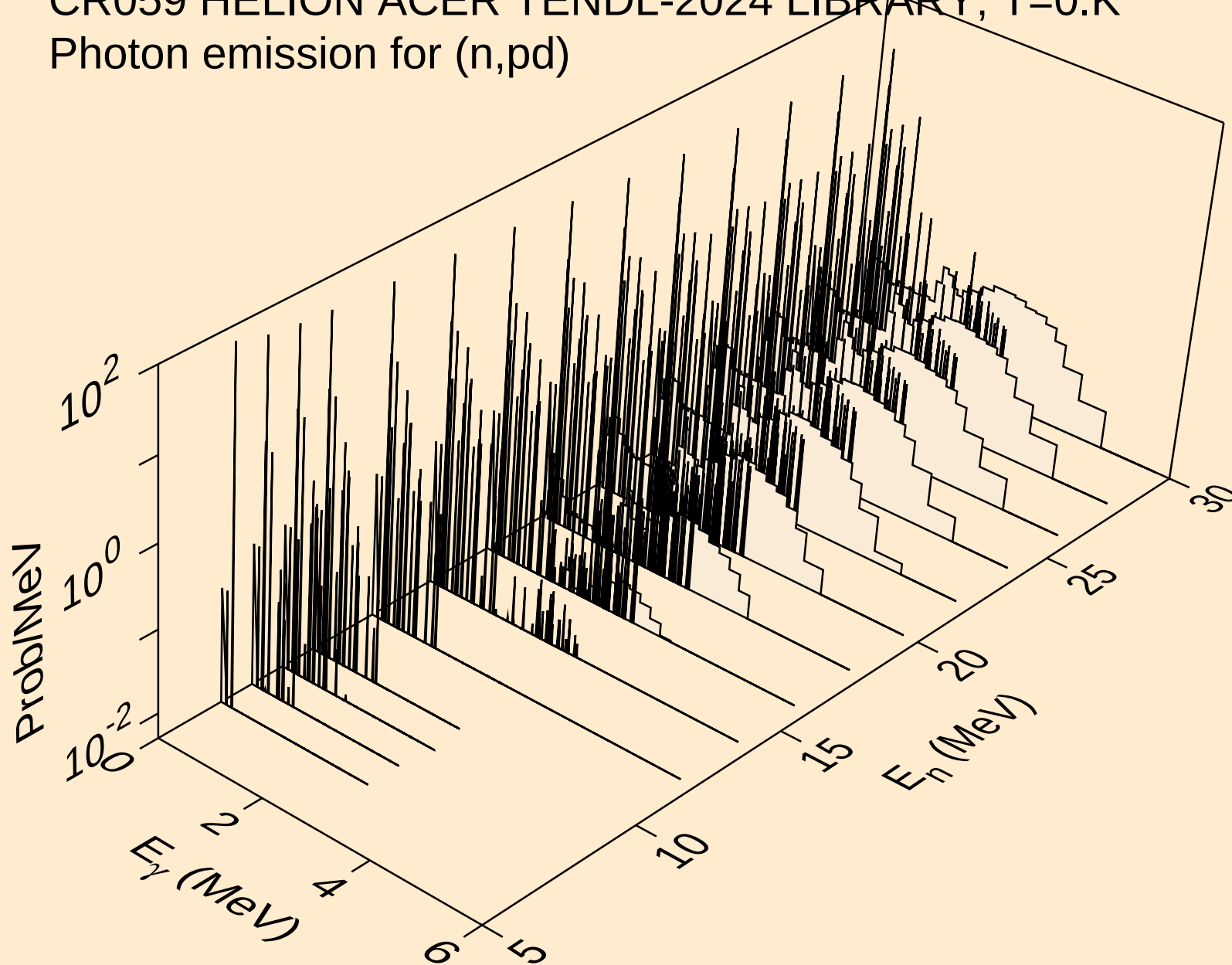
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



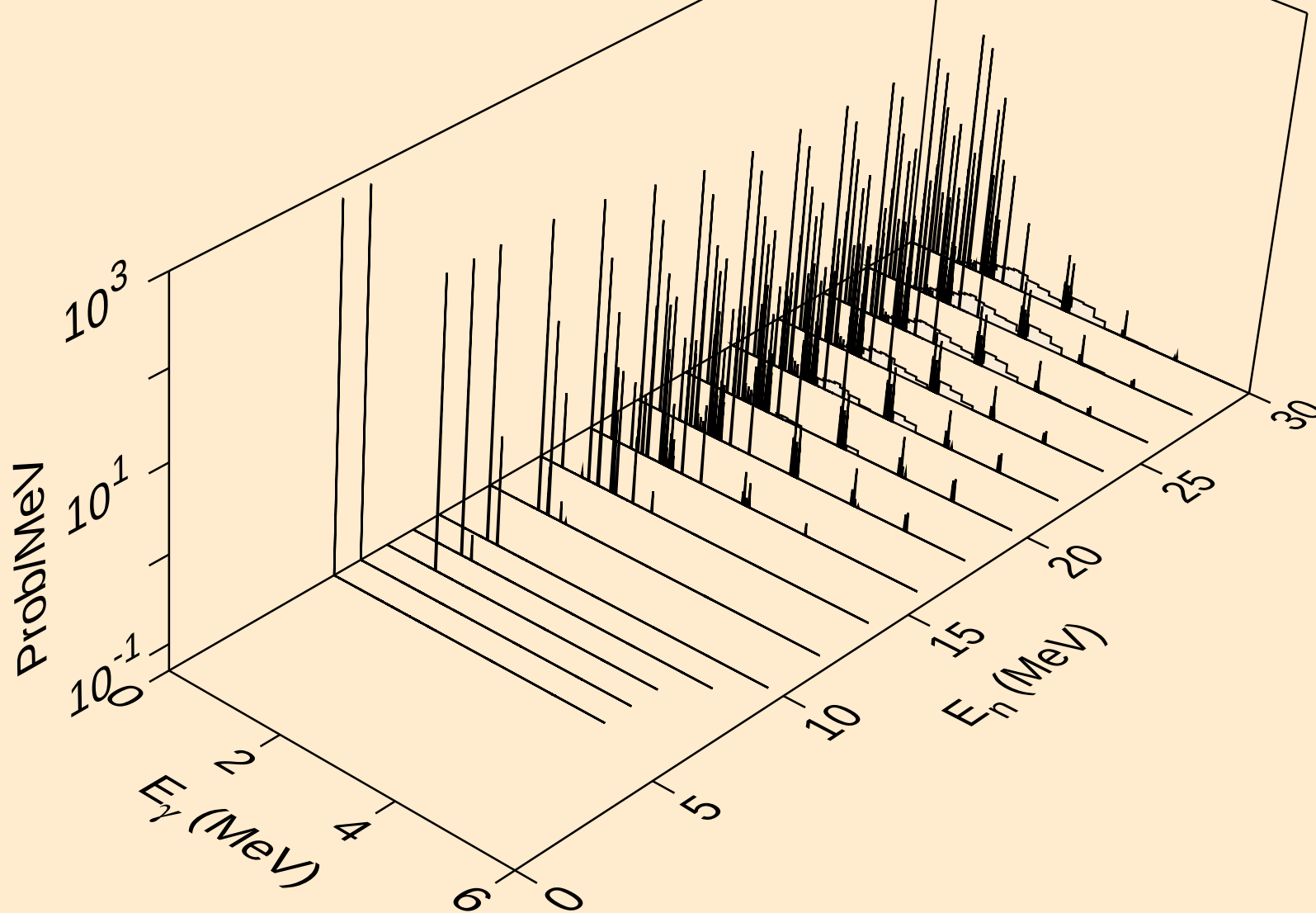
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



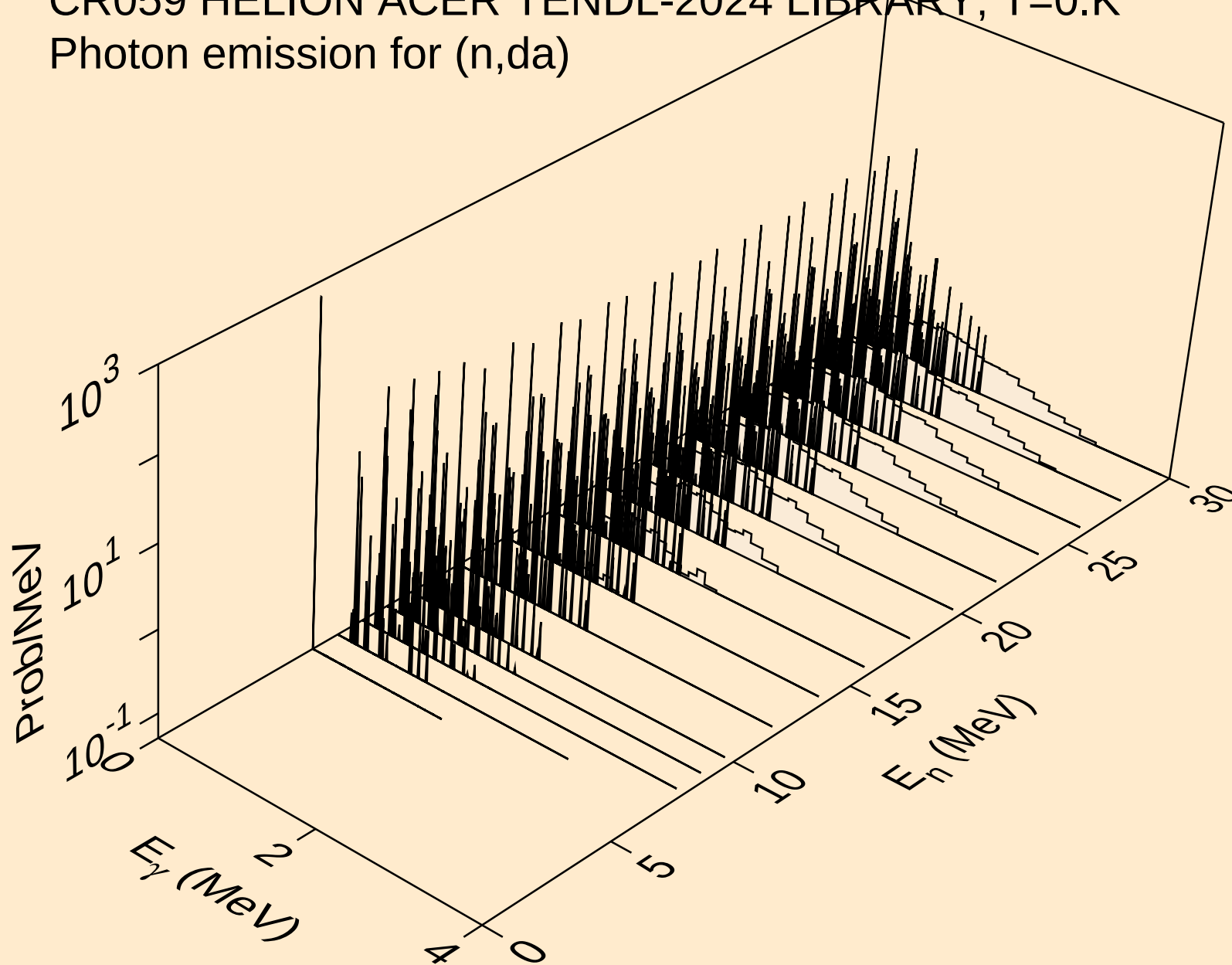
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)

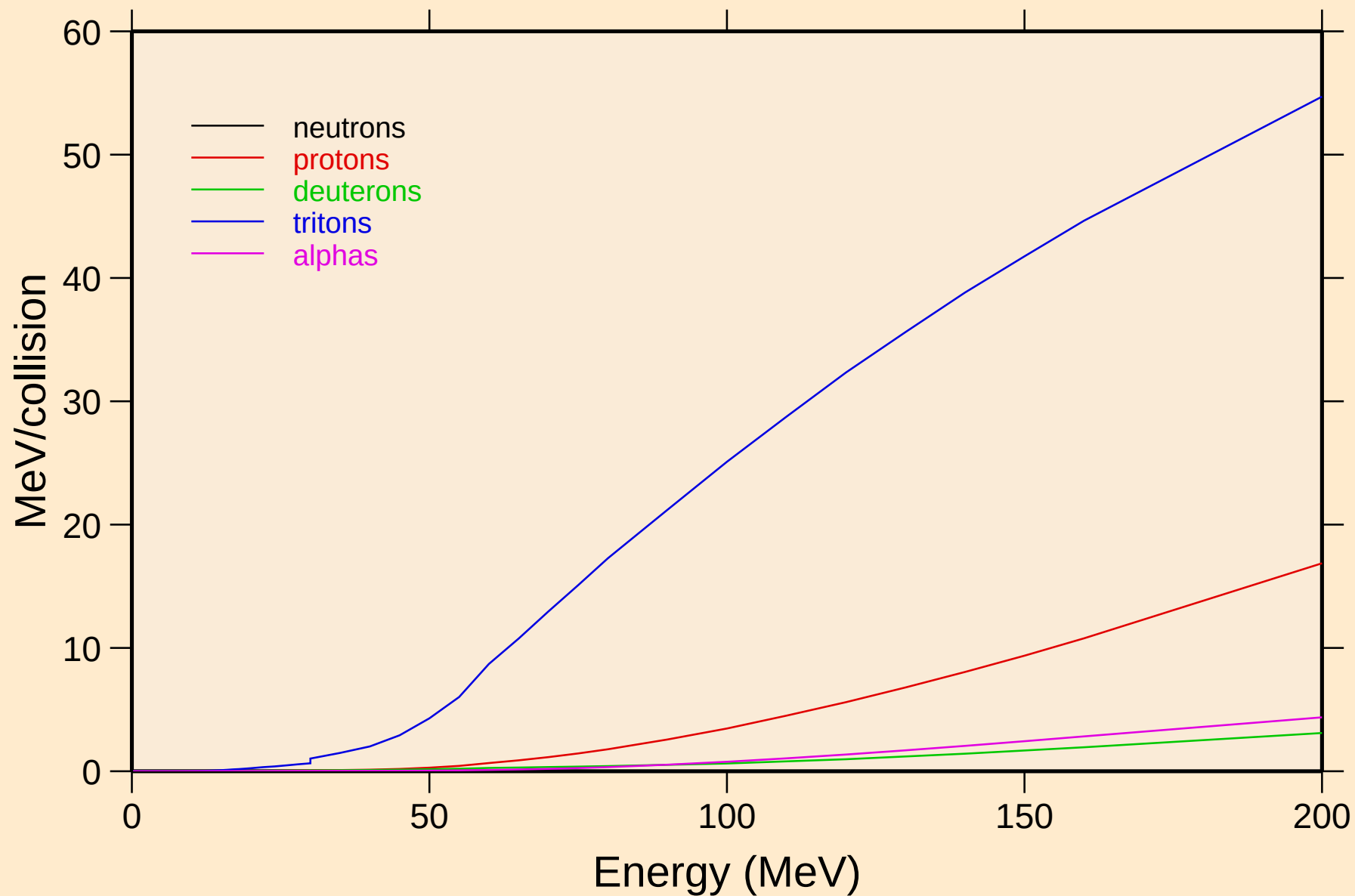


CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



# CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K

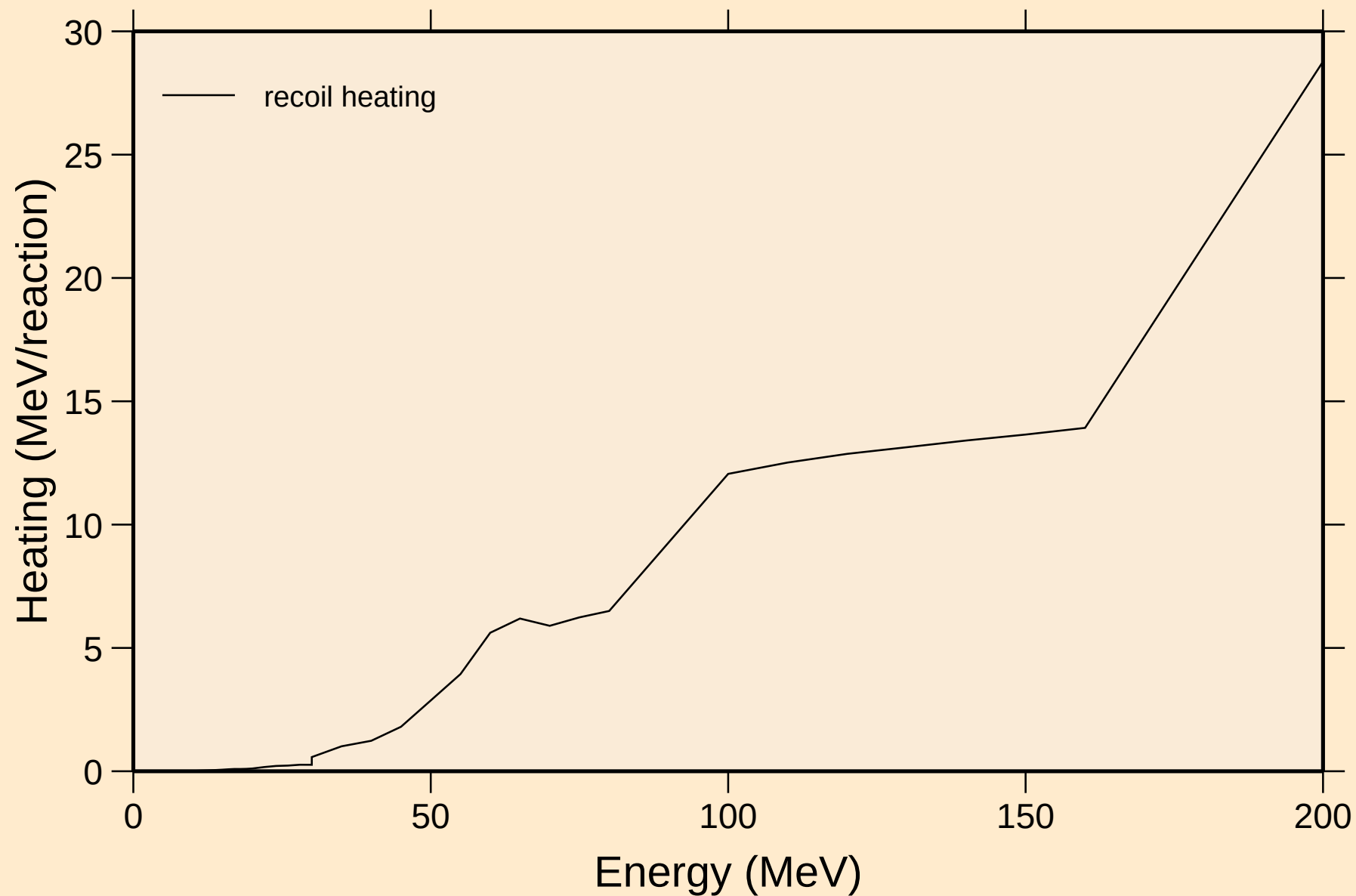
## Particle heating contributions





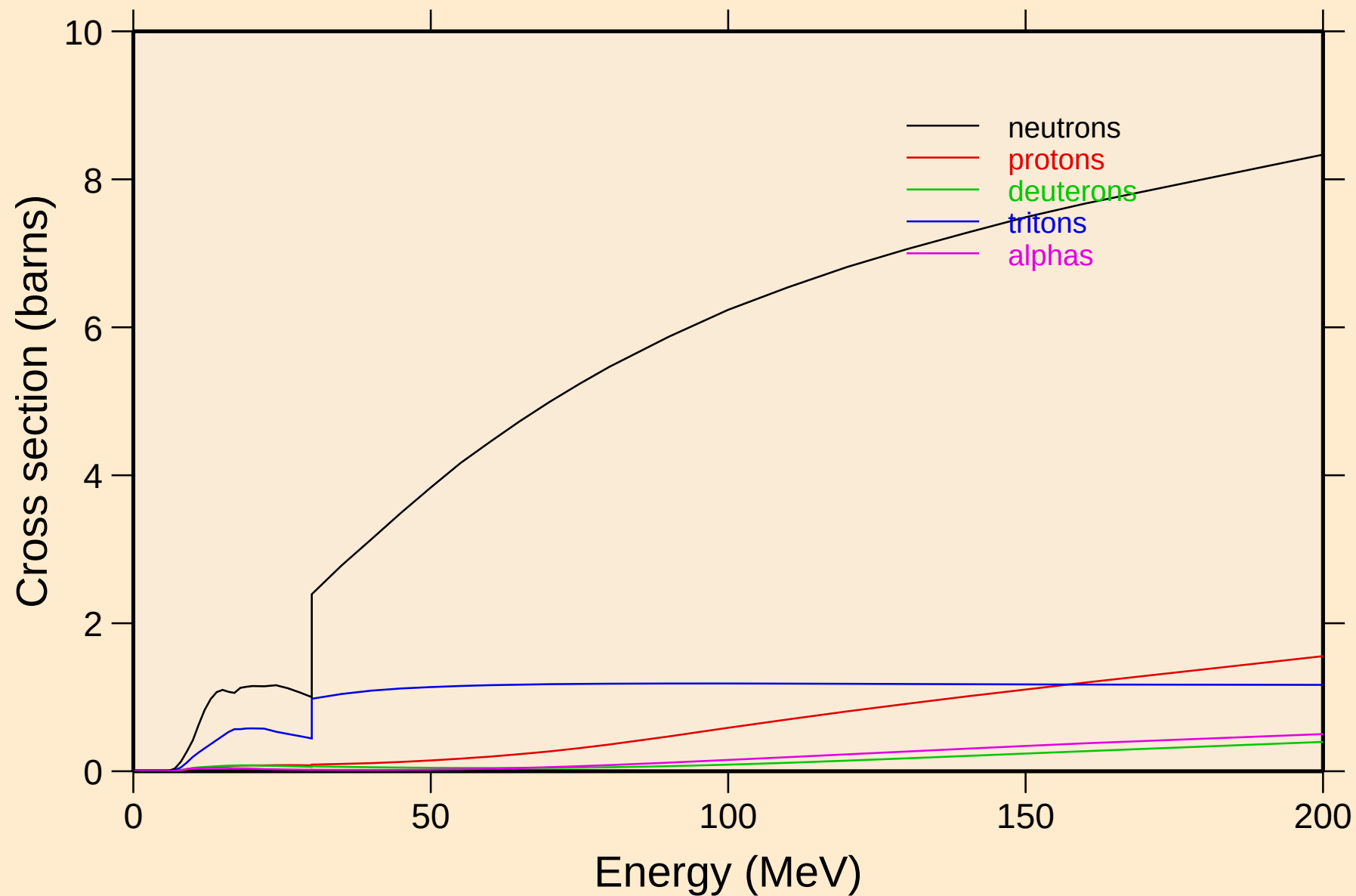
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Recoil Heating

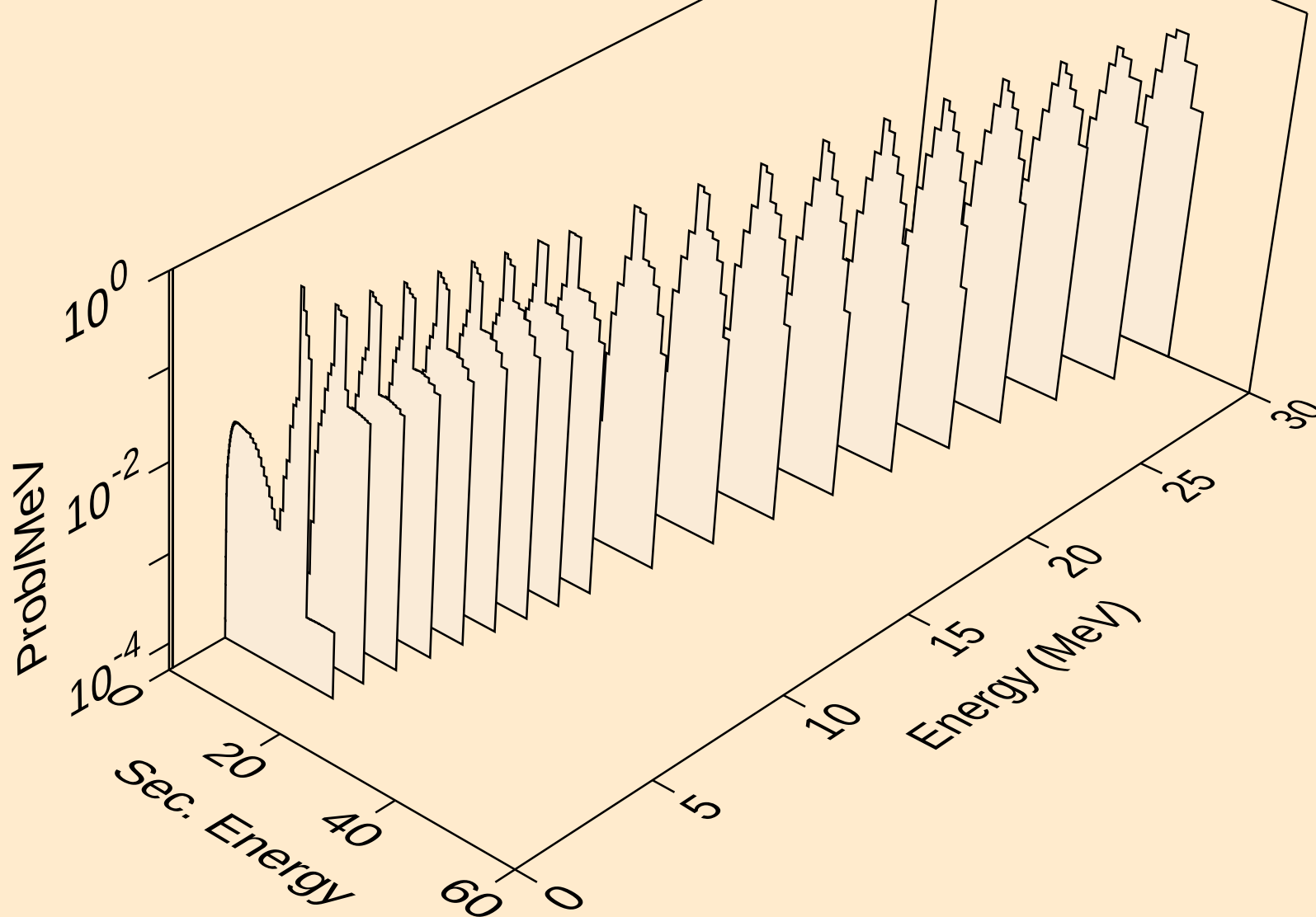


CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K

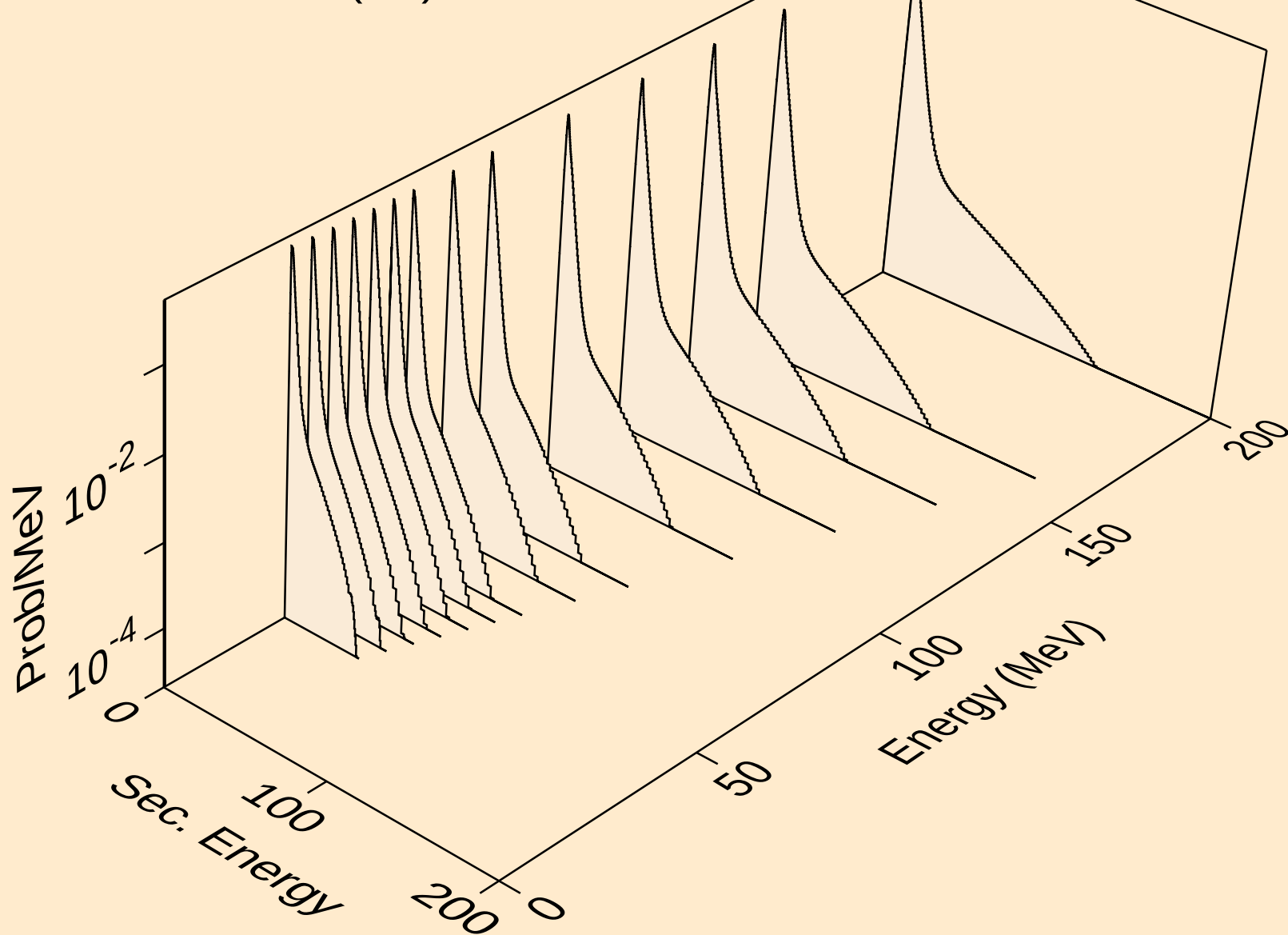
Particle production cross sections



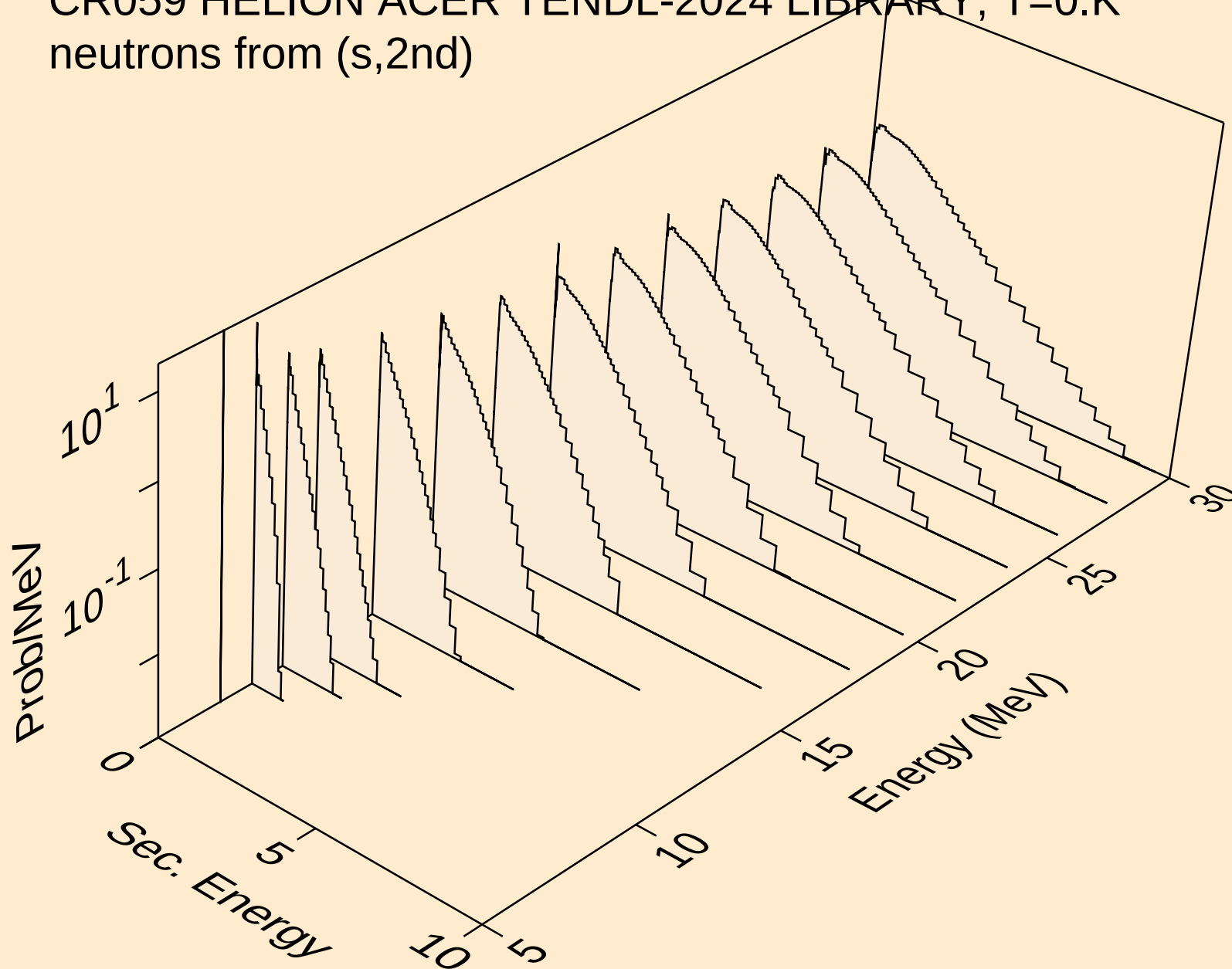
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n)



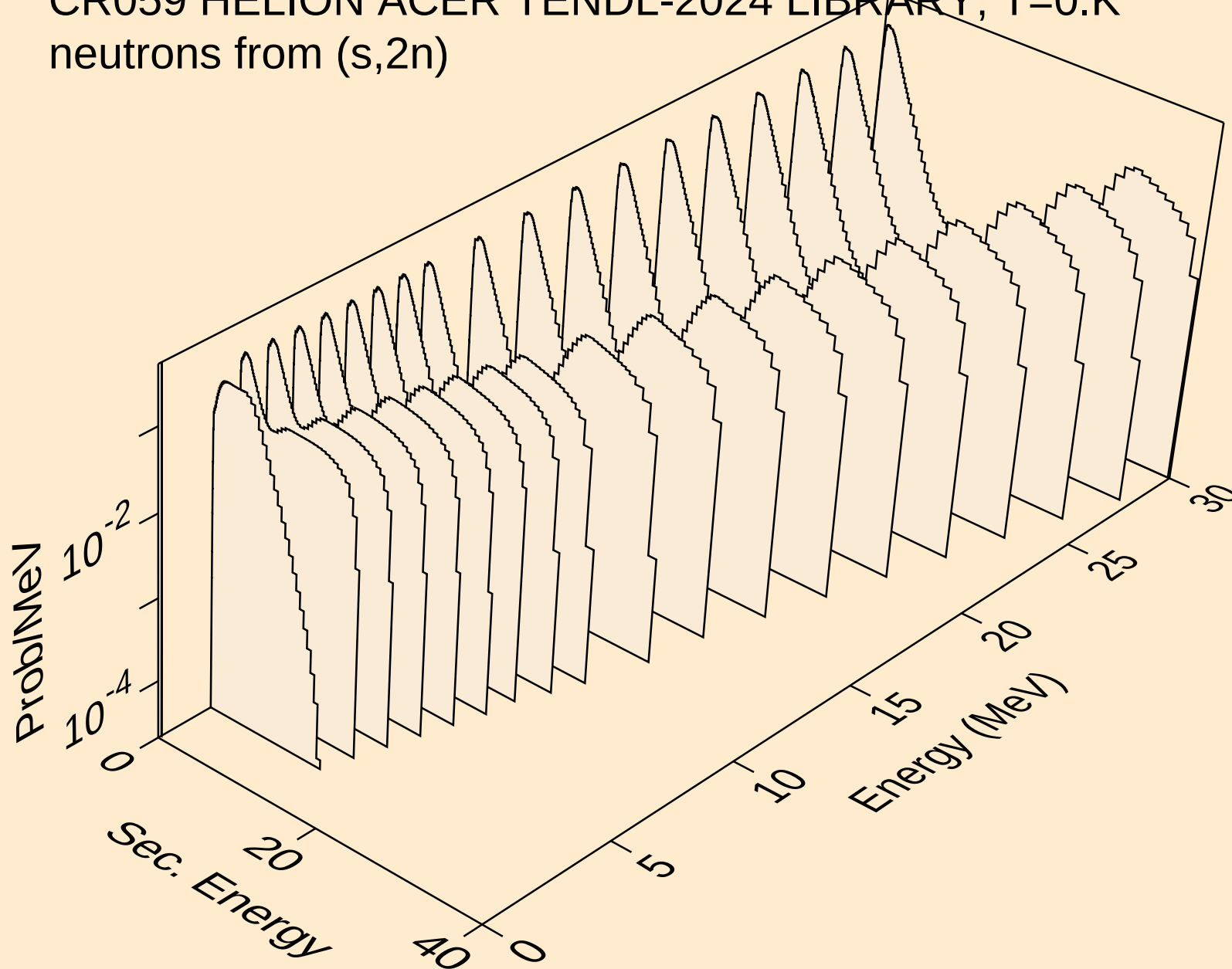
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,x)



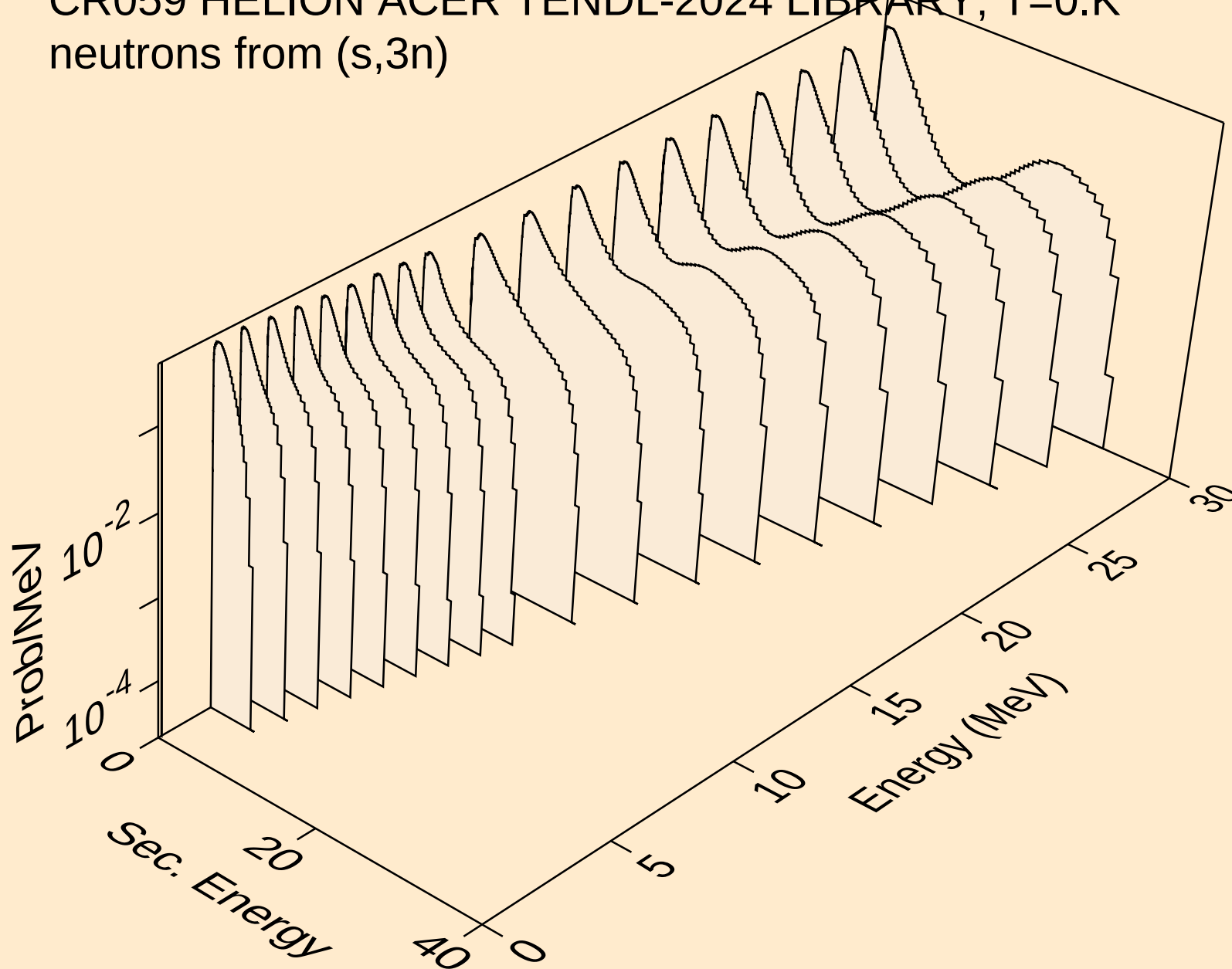
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,2nd)



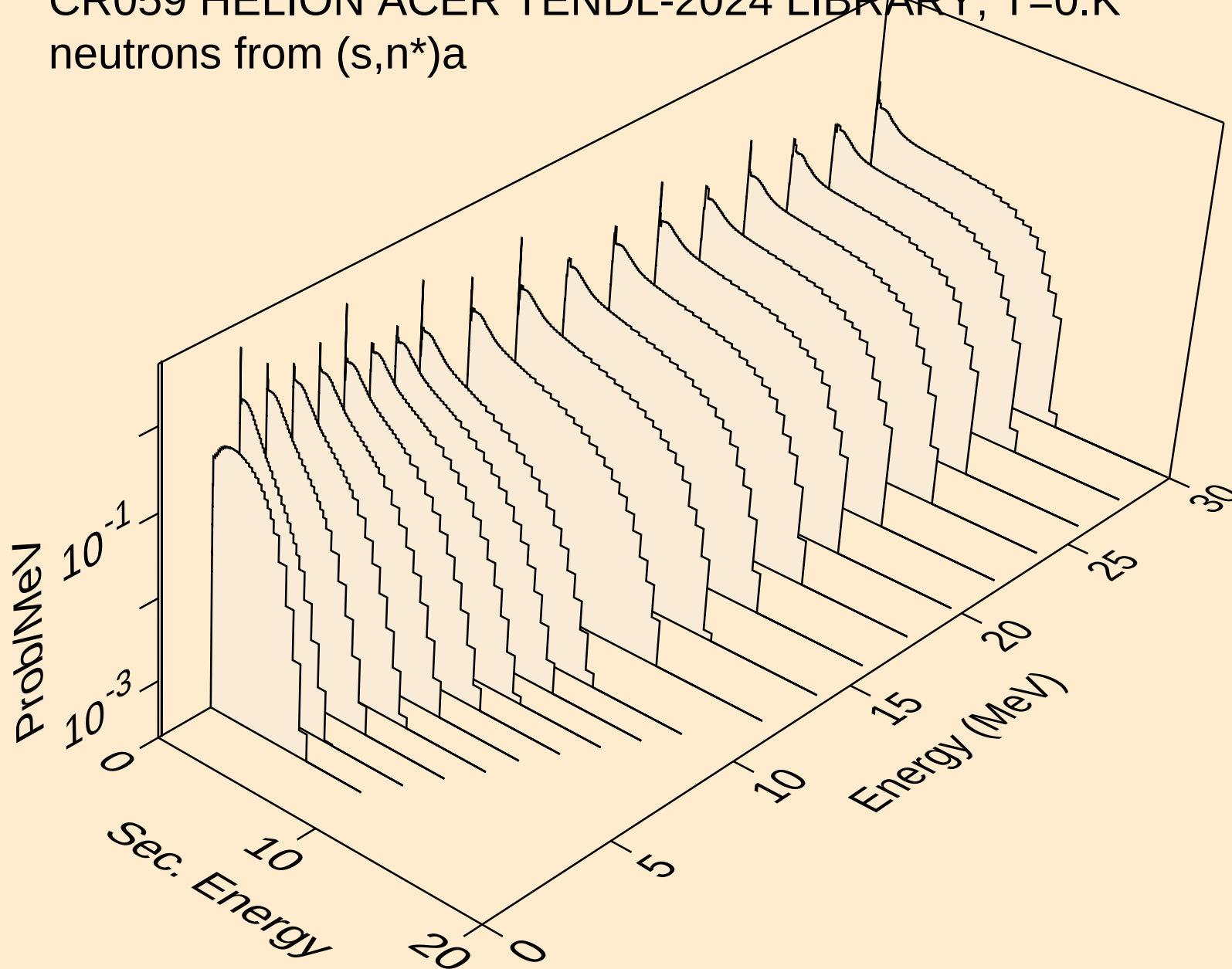
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,2n)



CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,3n)

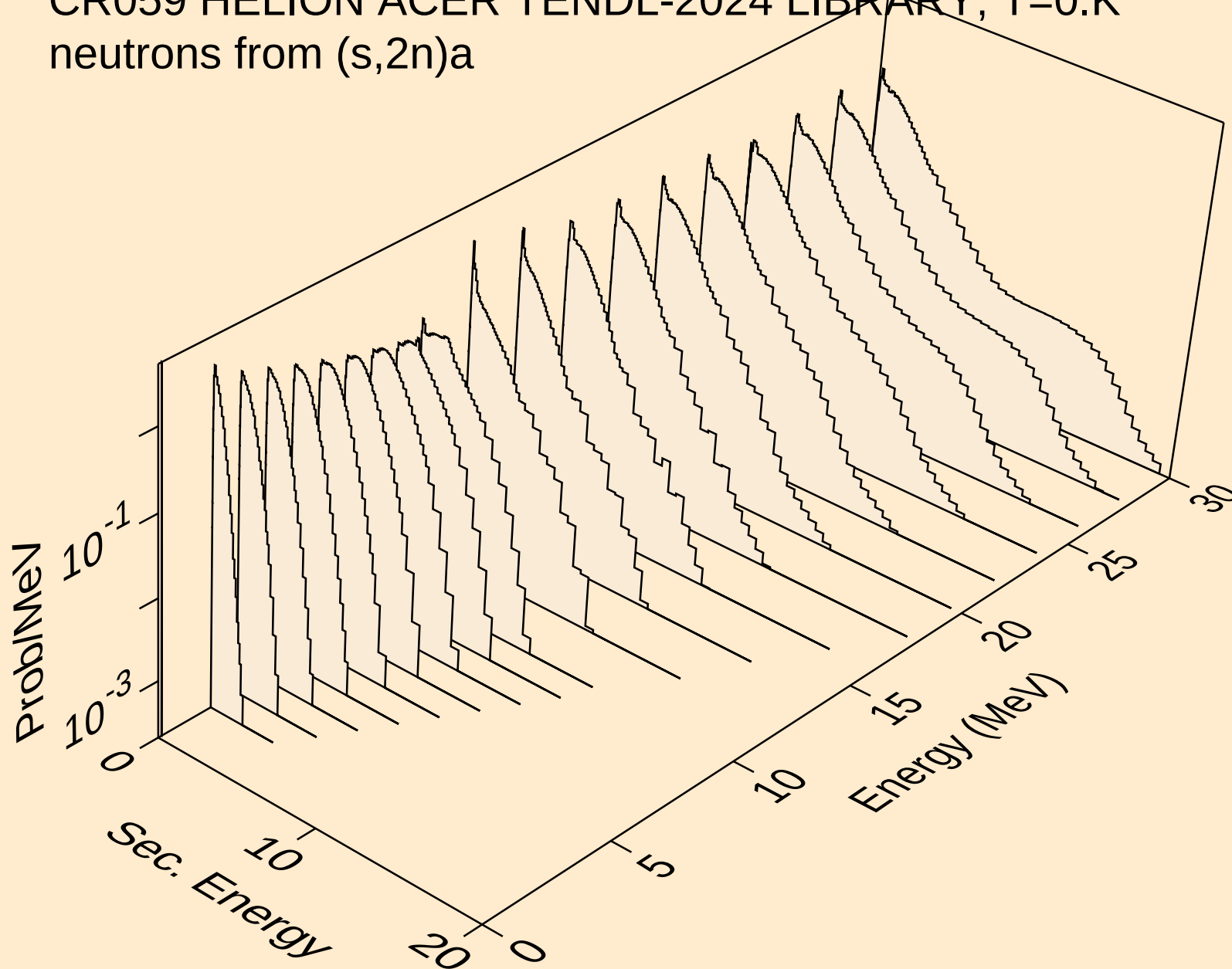


CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)a

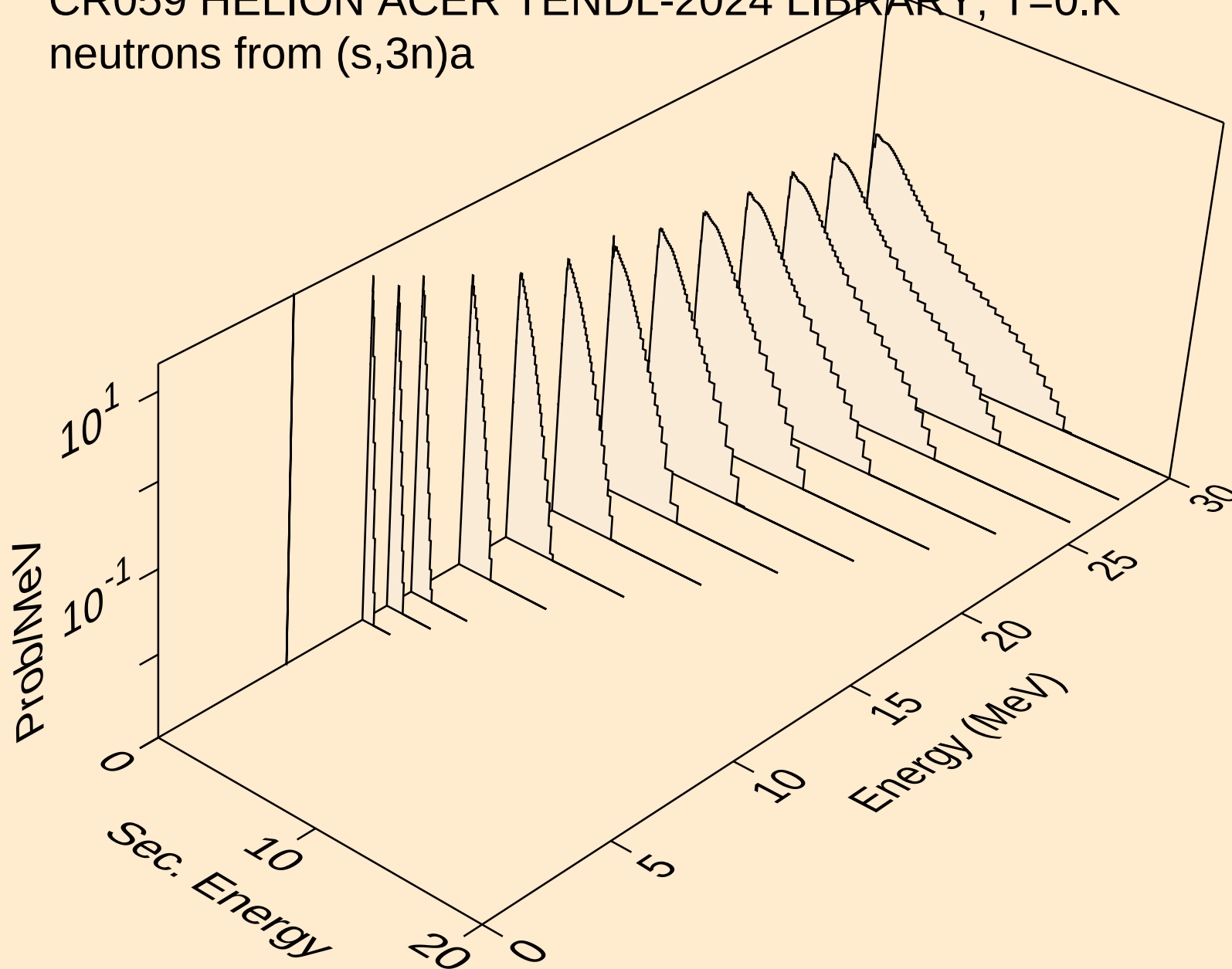




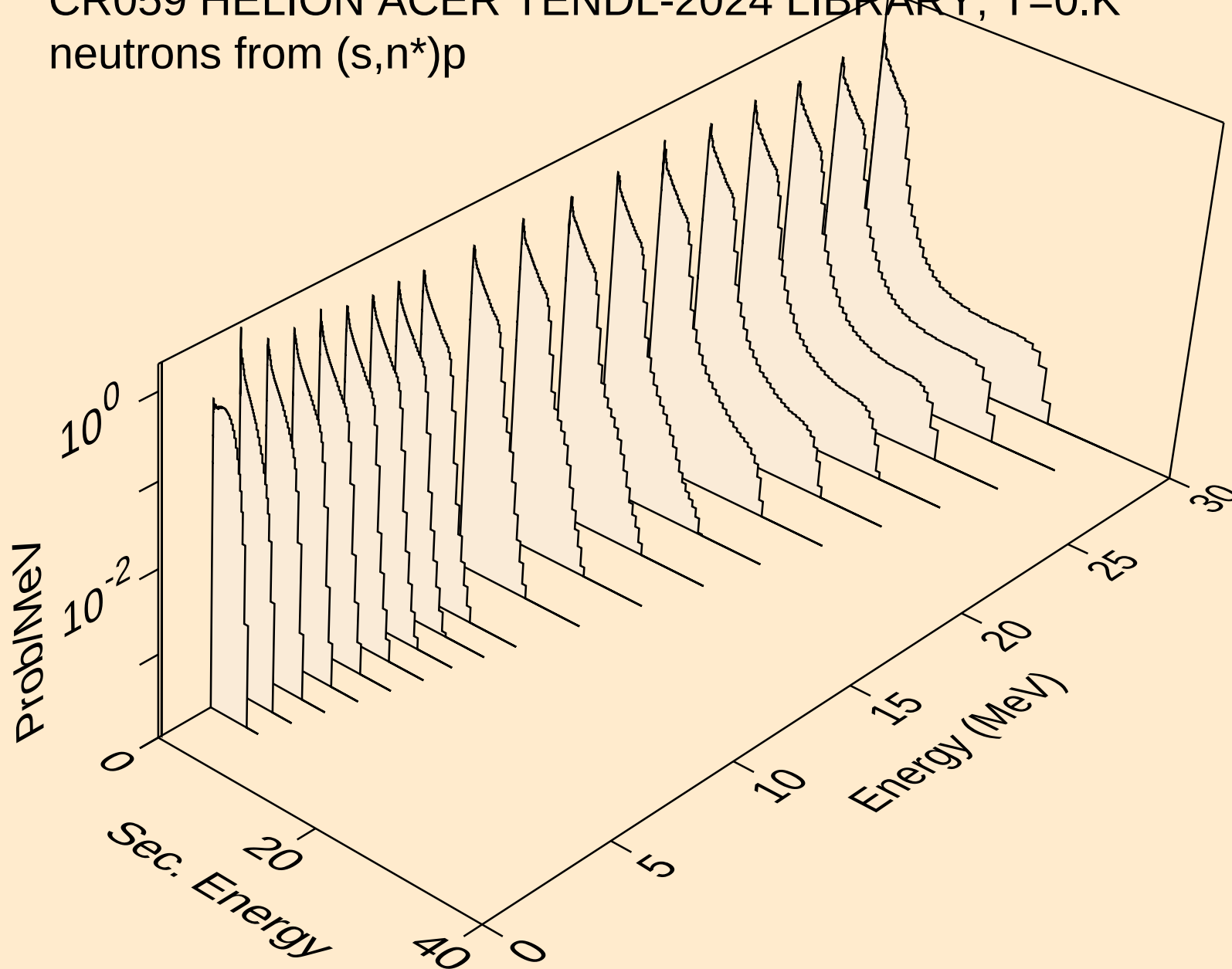
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,2n)a



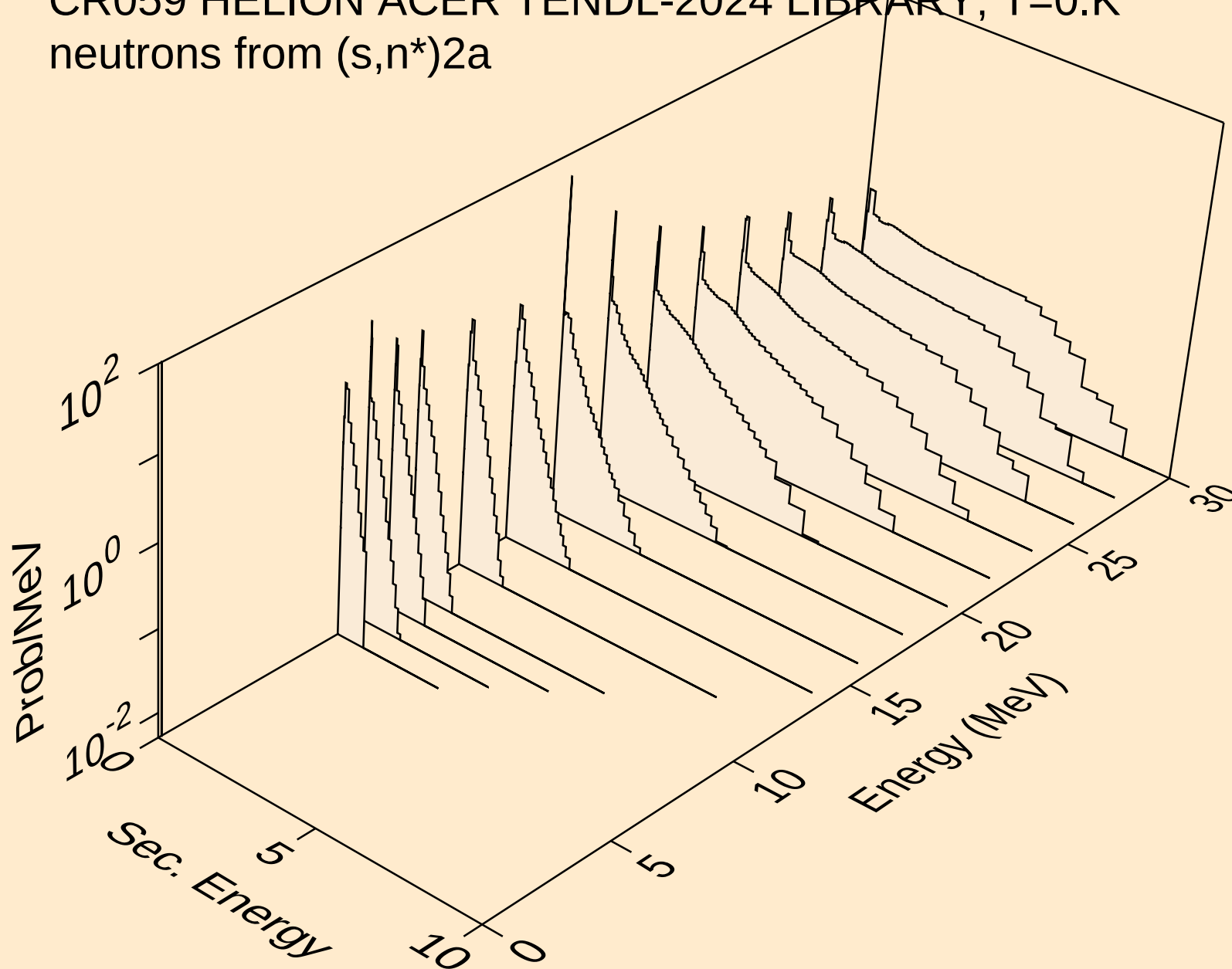
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,3n)a



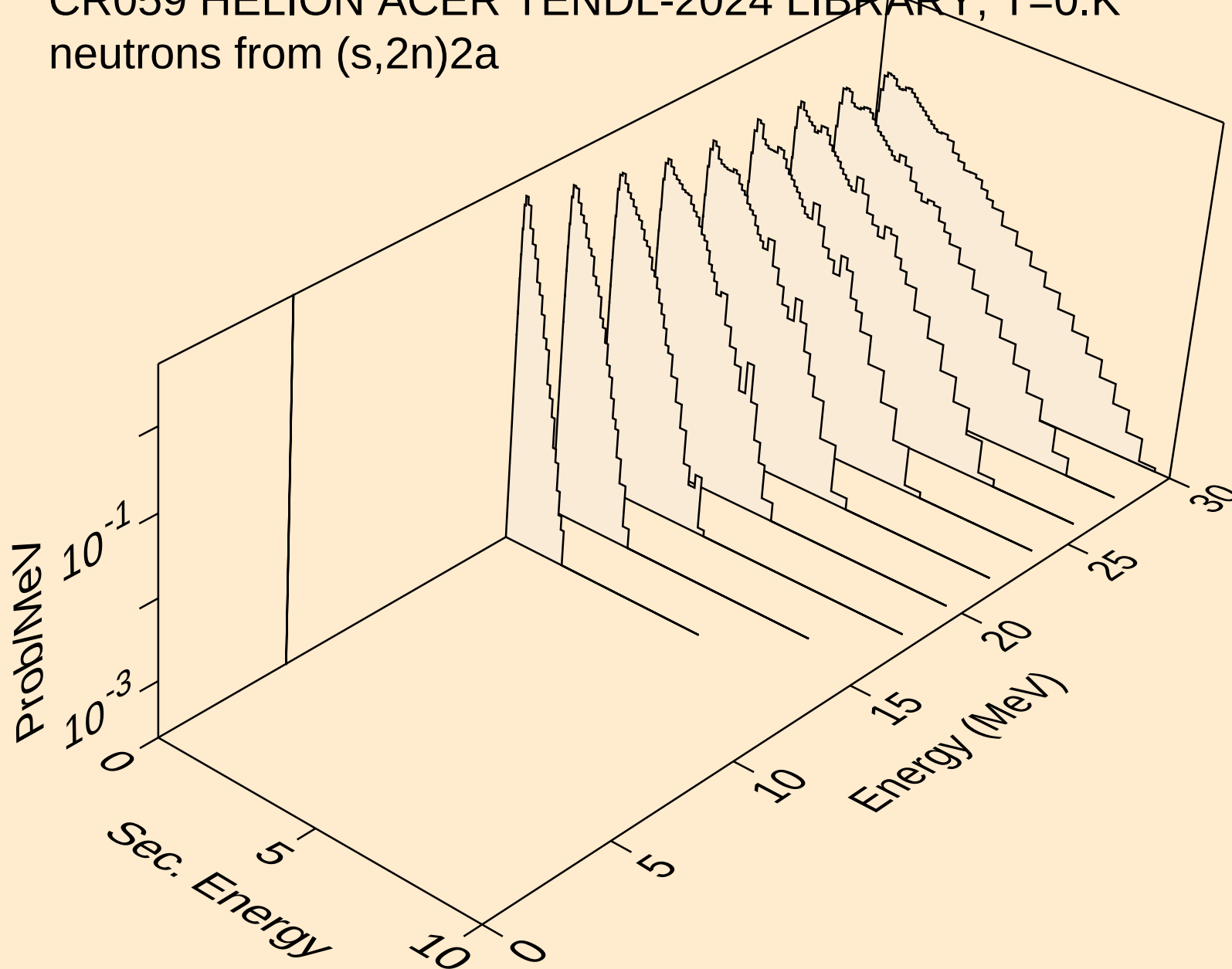
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)p



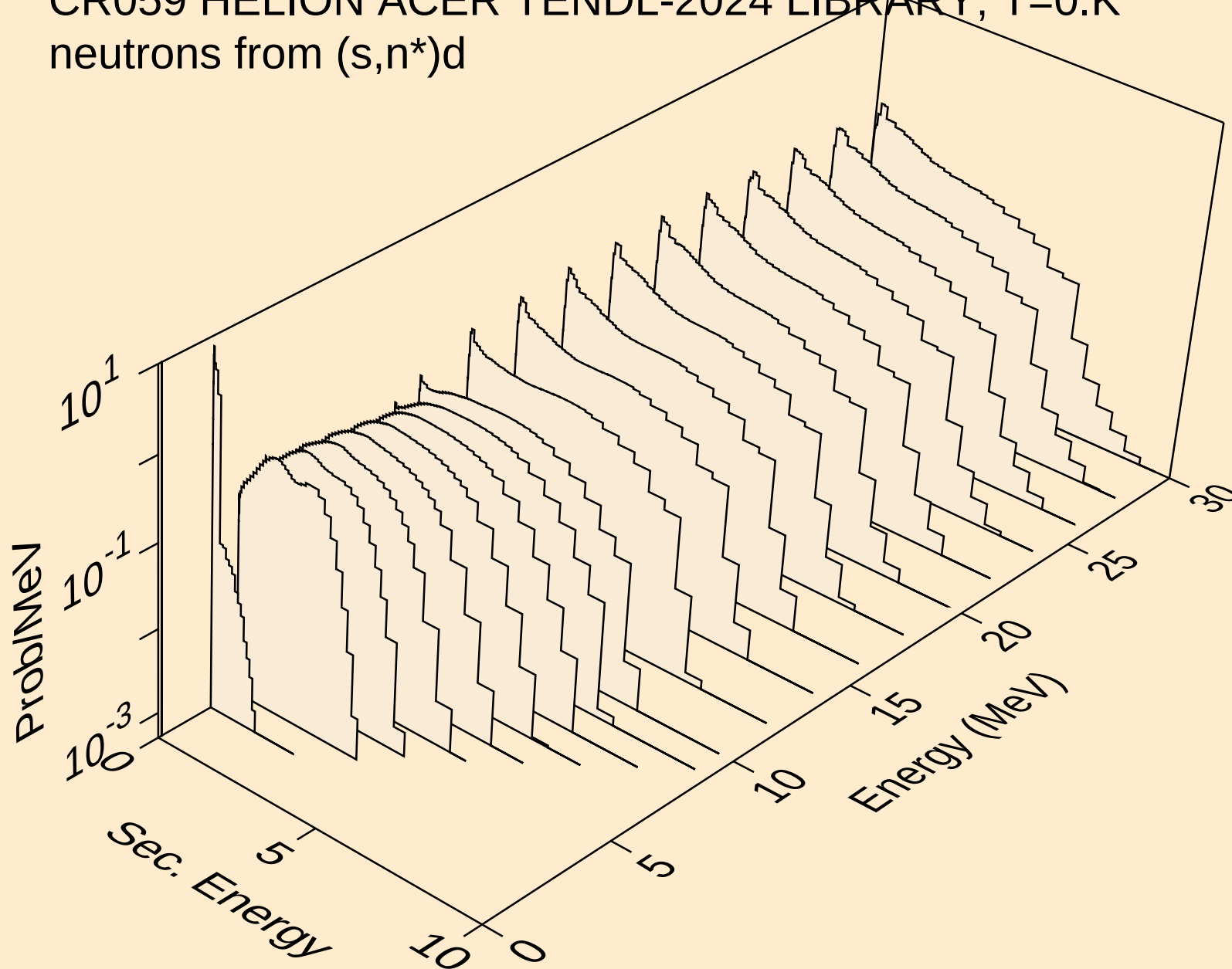
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neutrons from (s,n\*)2a



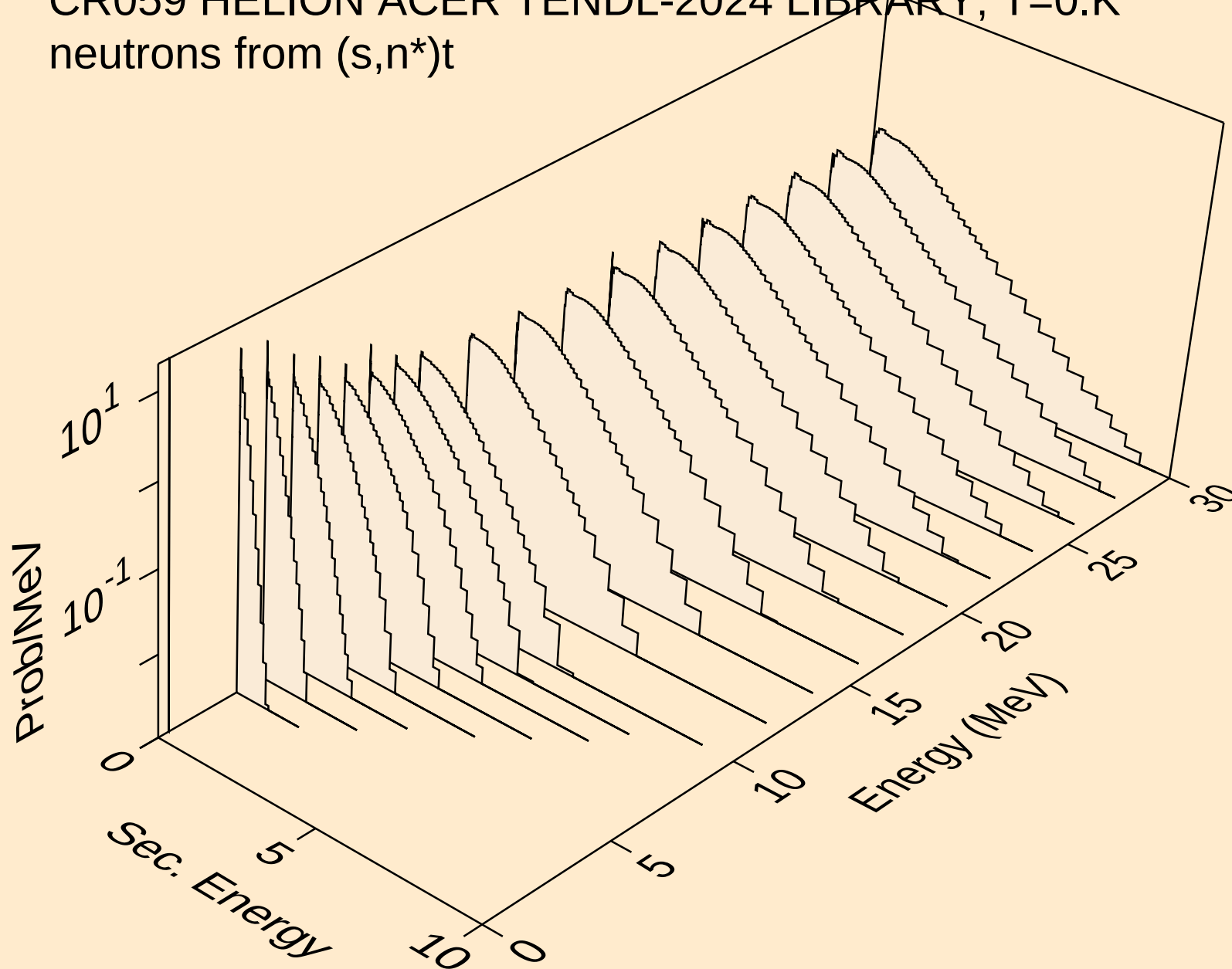
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neutrons from (s,2n)2a



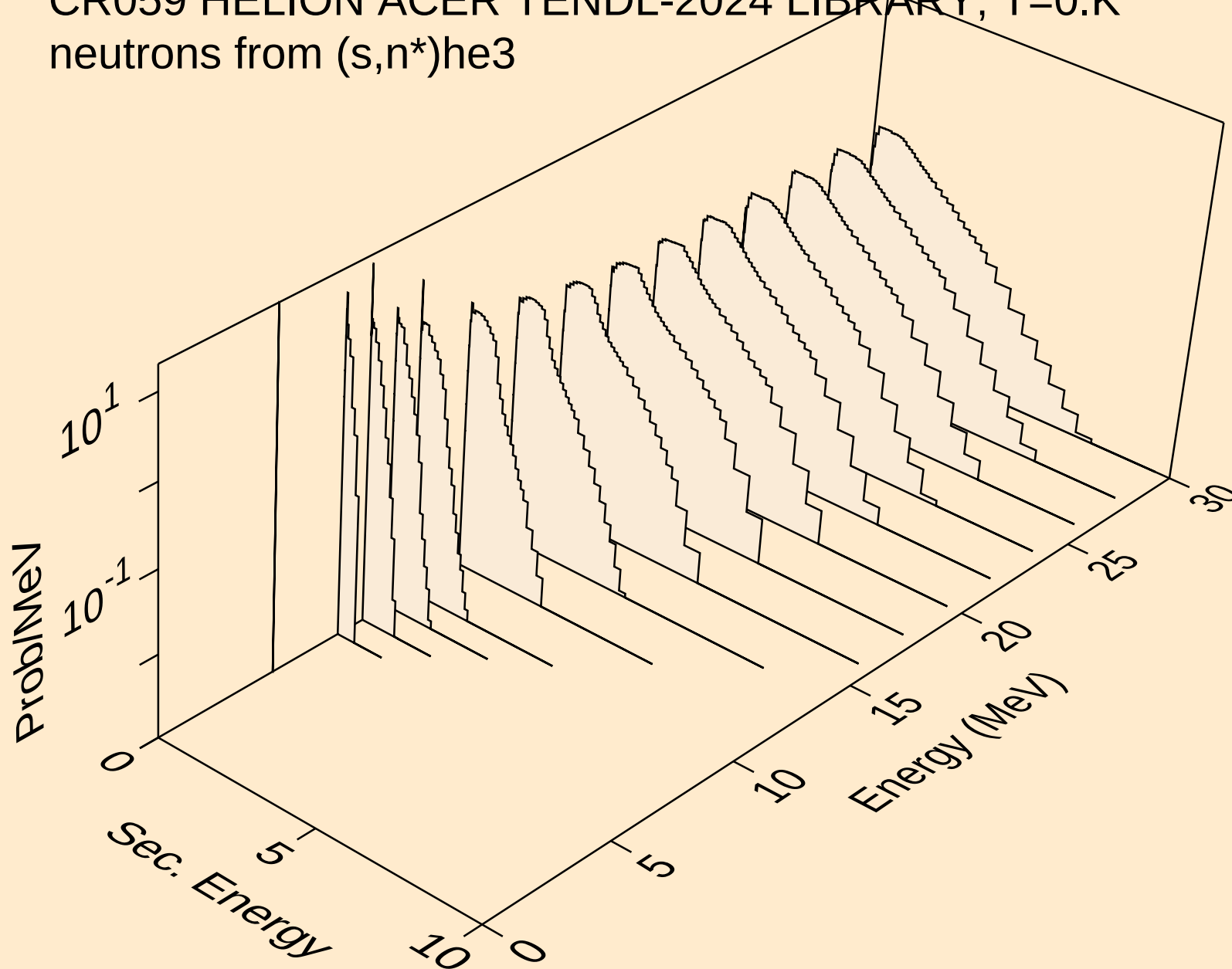
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)d



CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)t

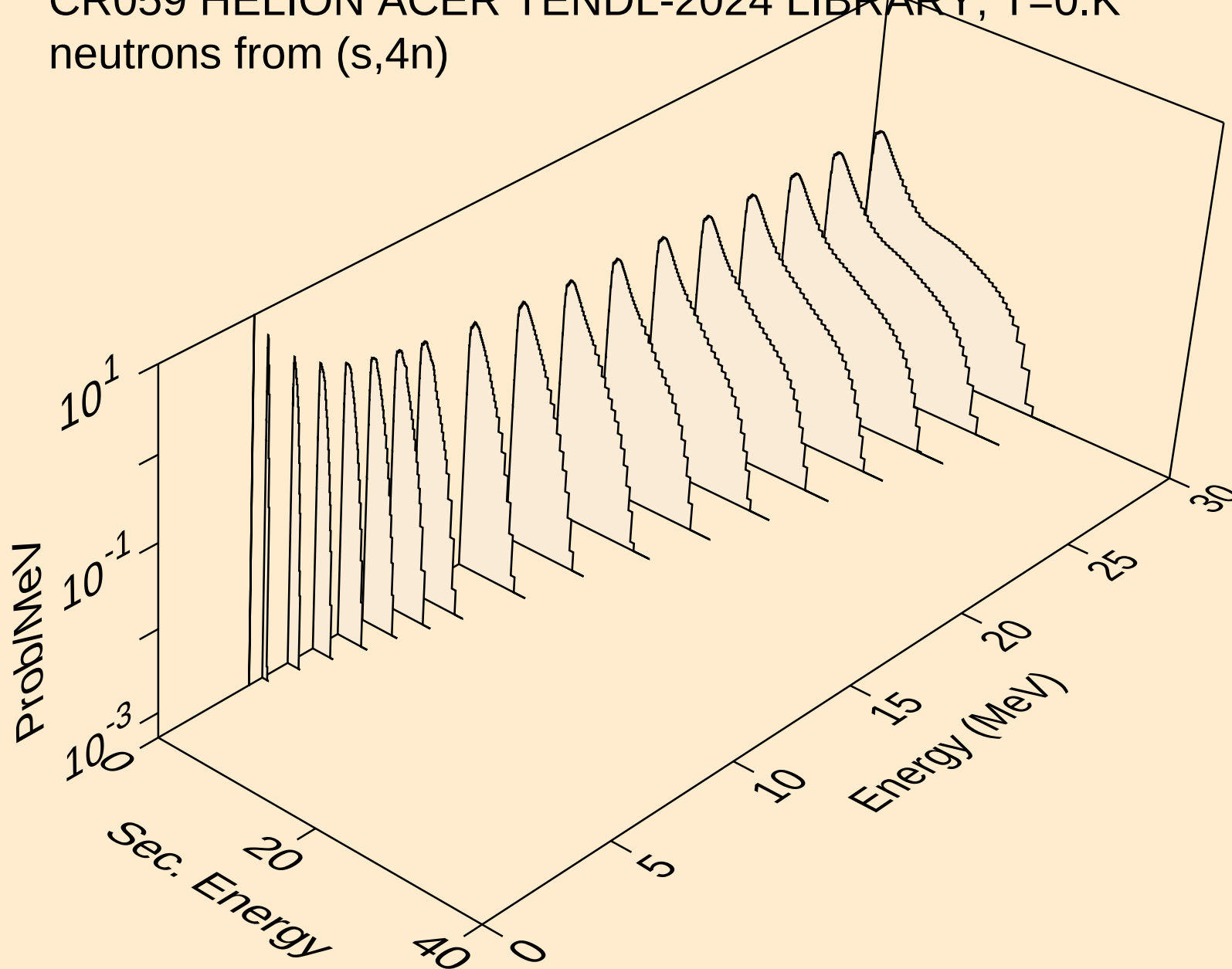


CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)he3

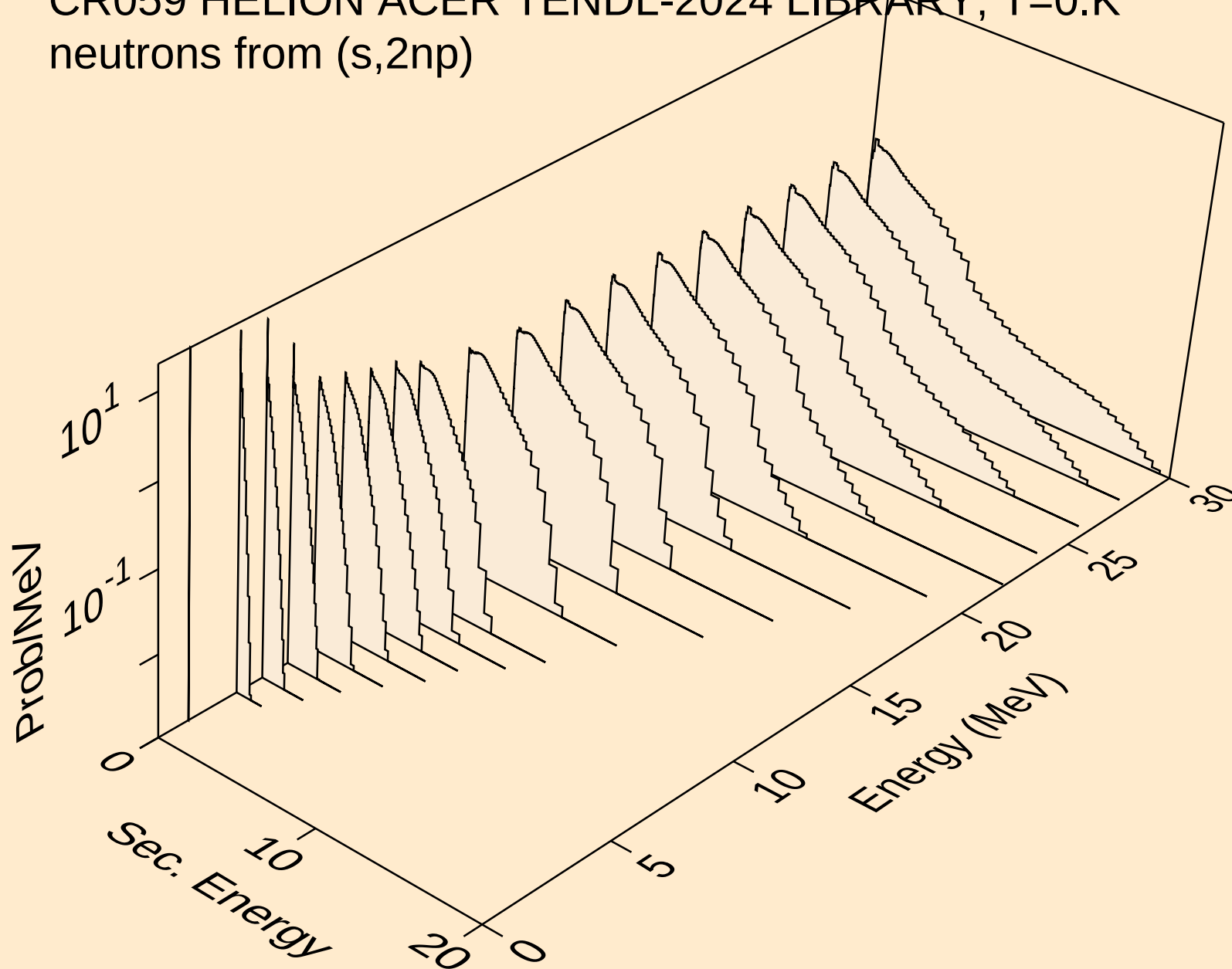




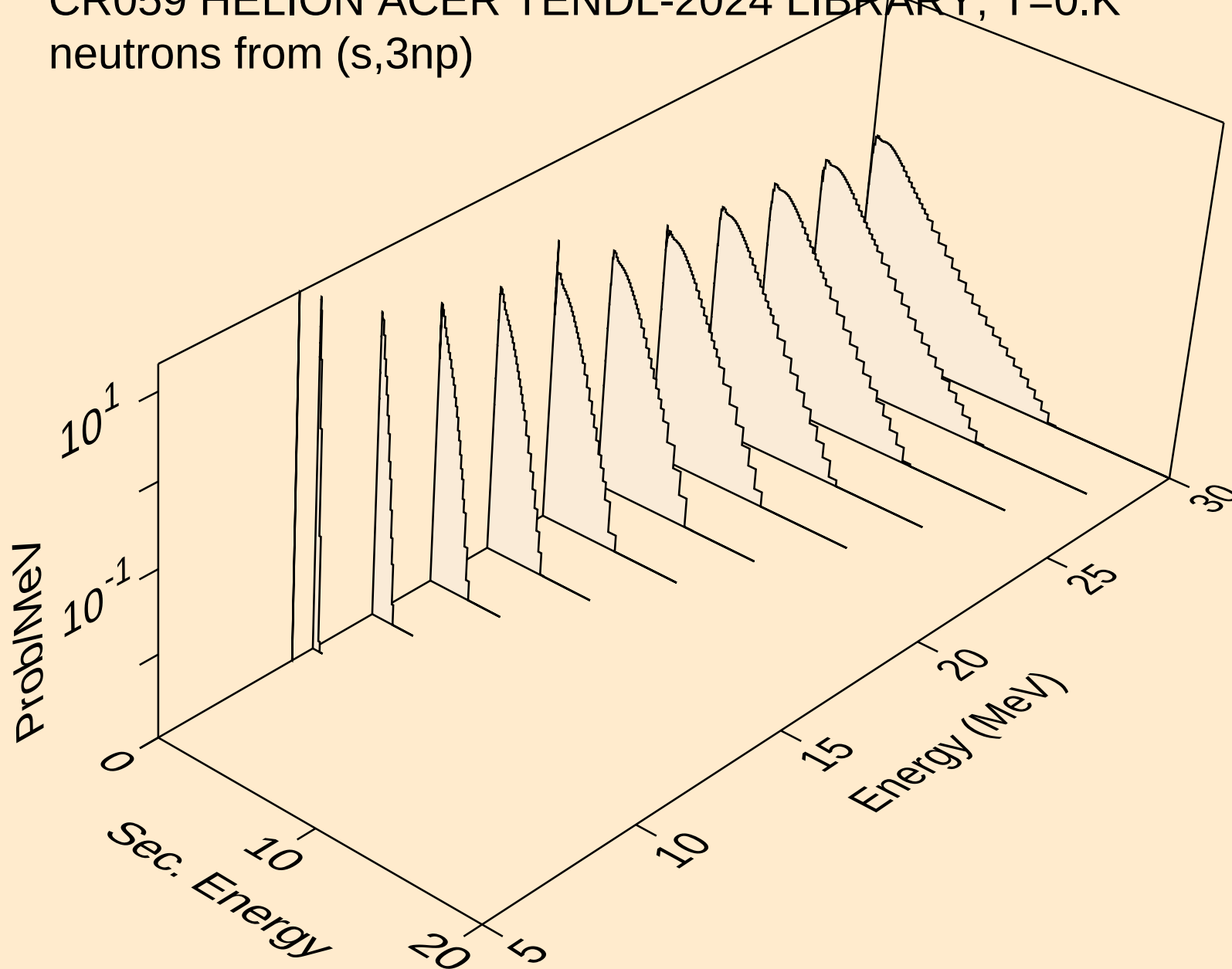
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,4n)



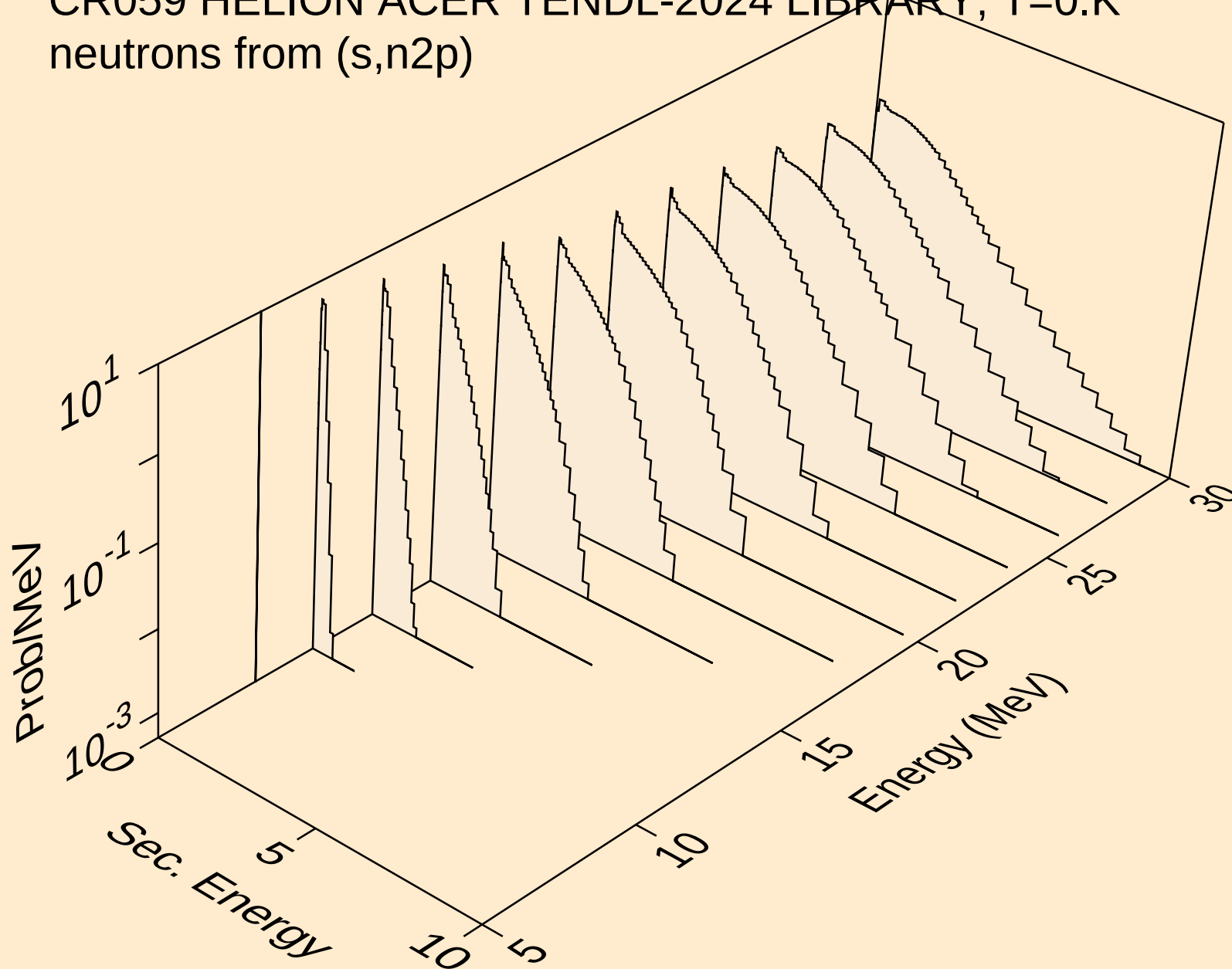
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neutrons from (s,2np)



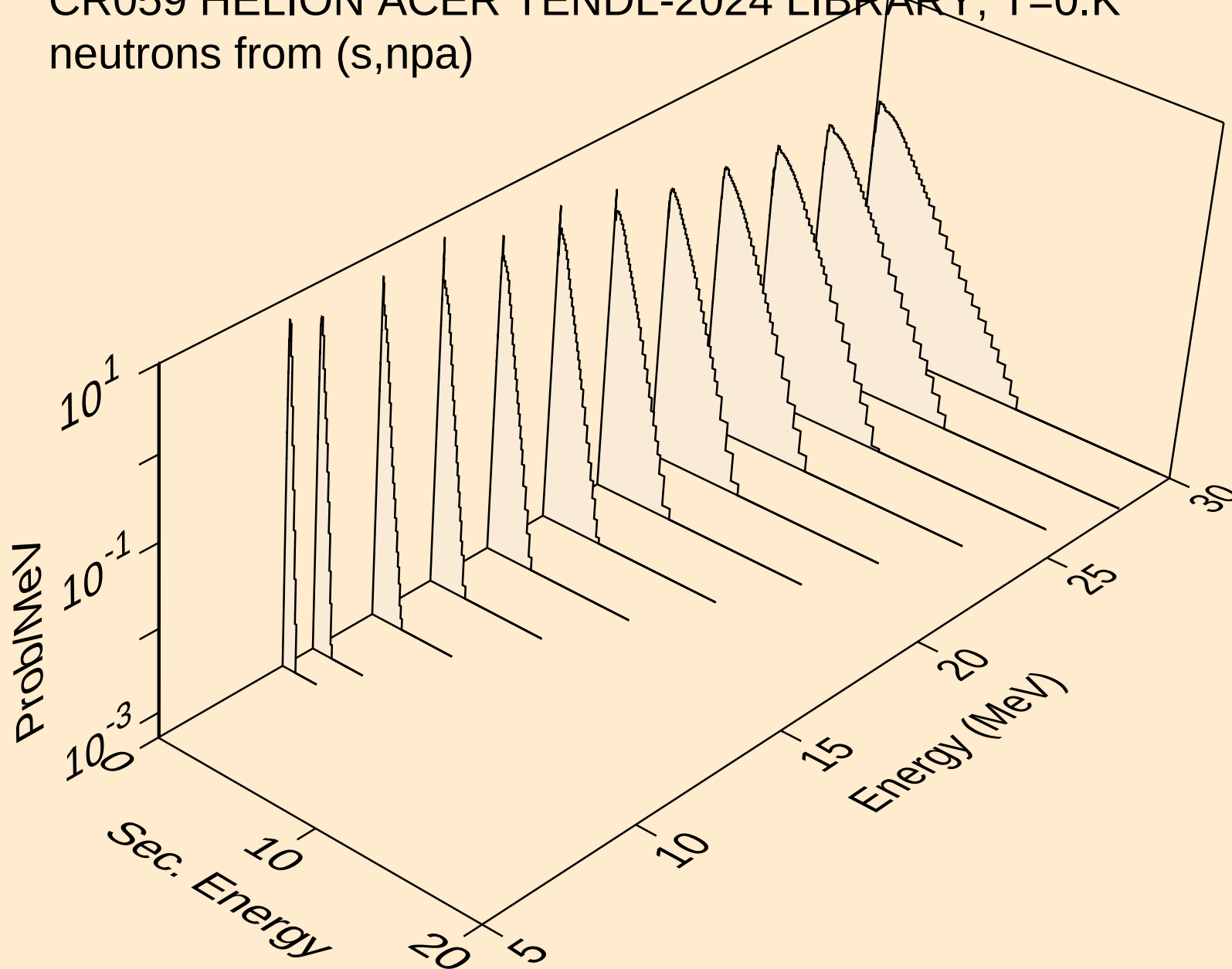
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neutrons from (s,3np)



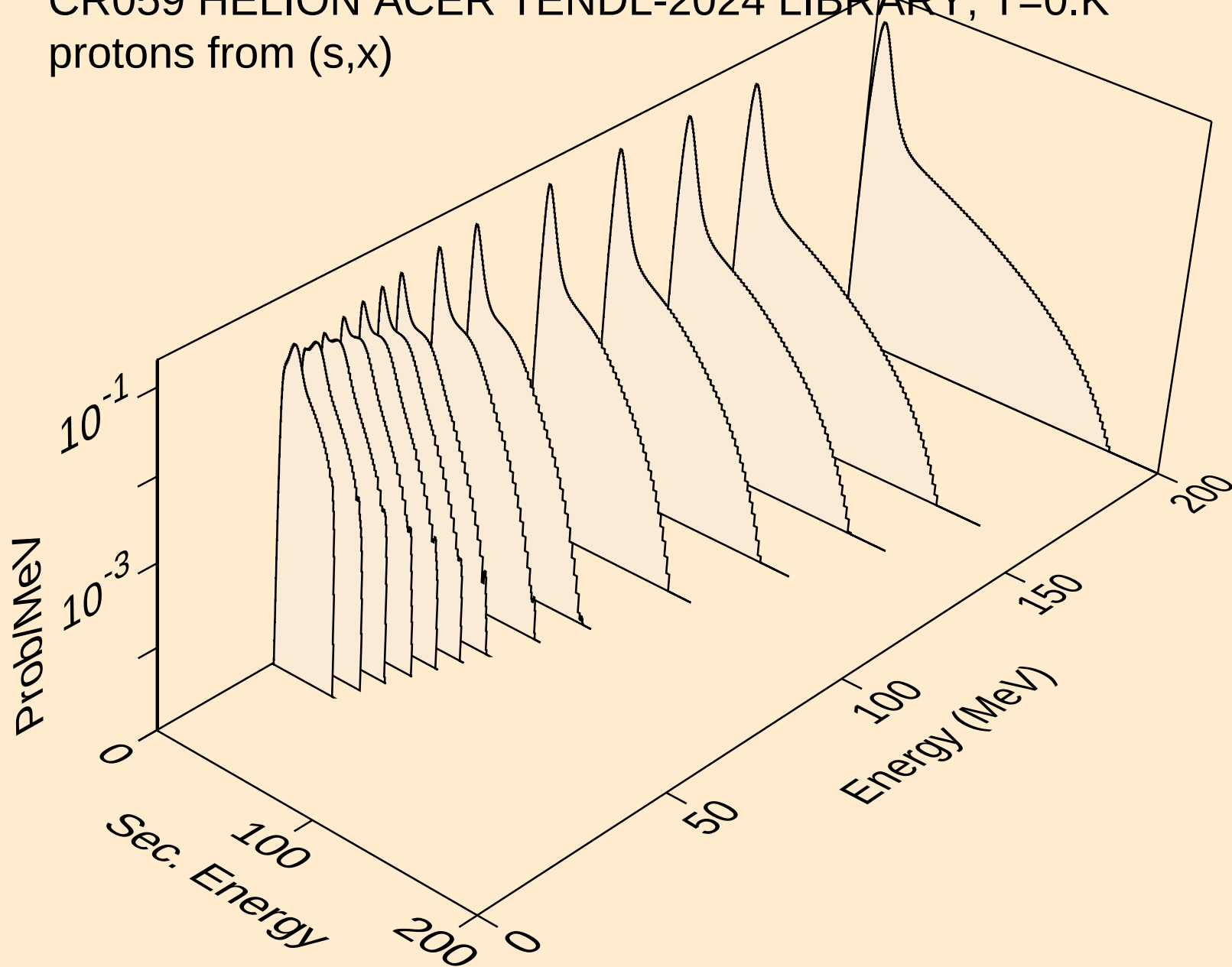
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n2p)



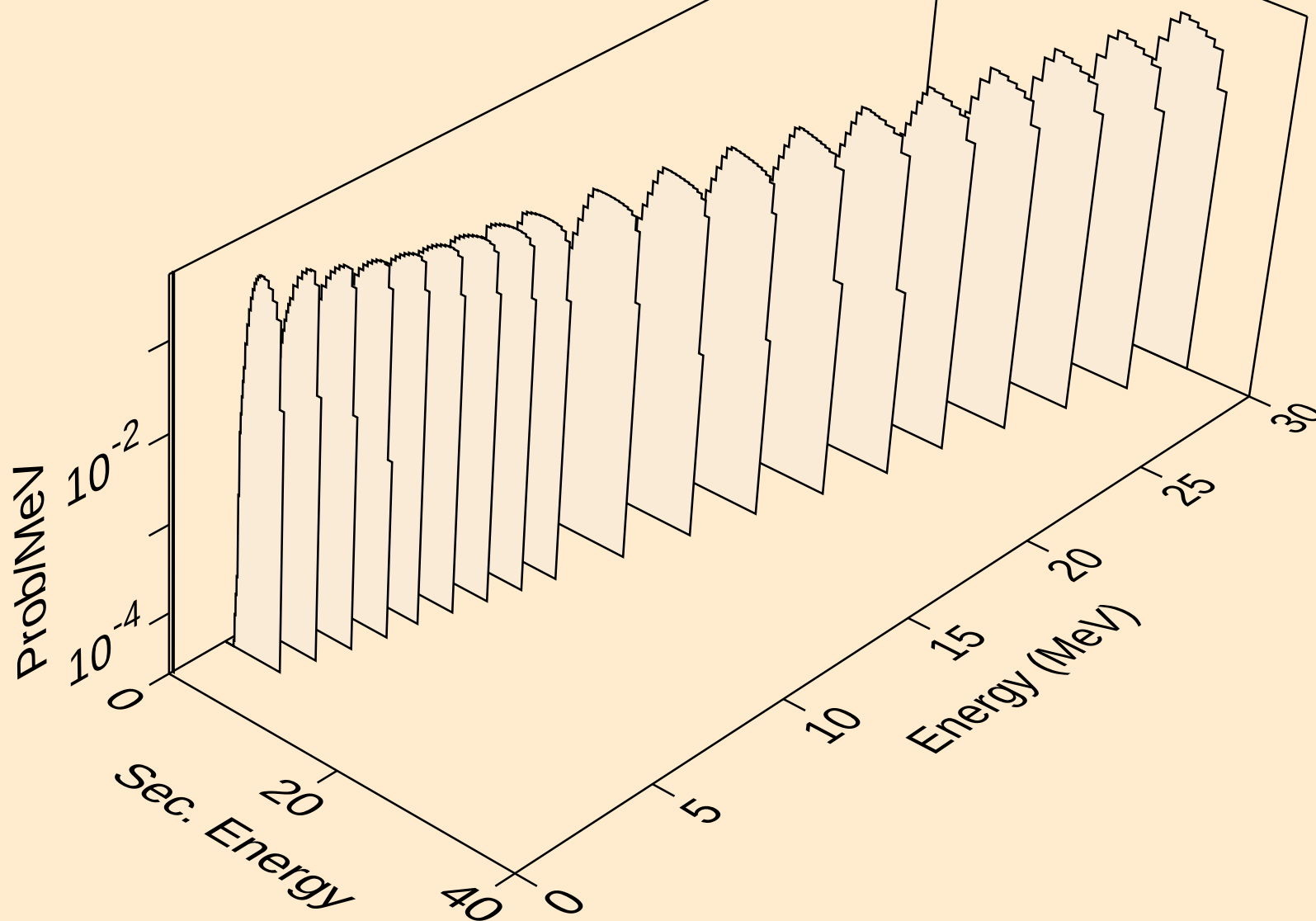
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,npa)



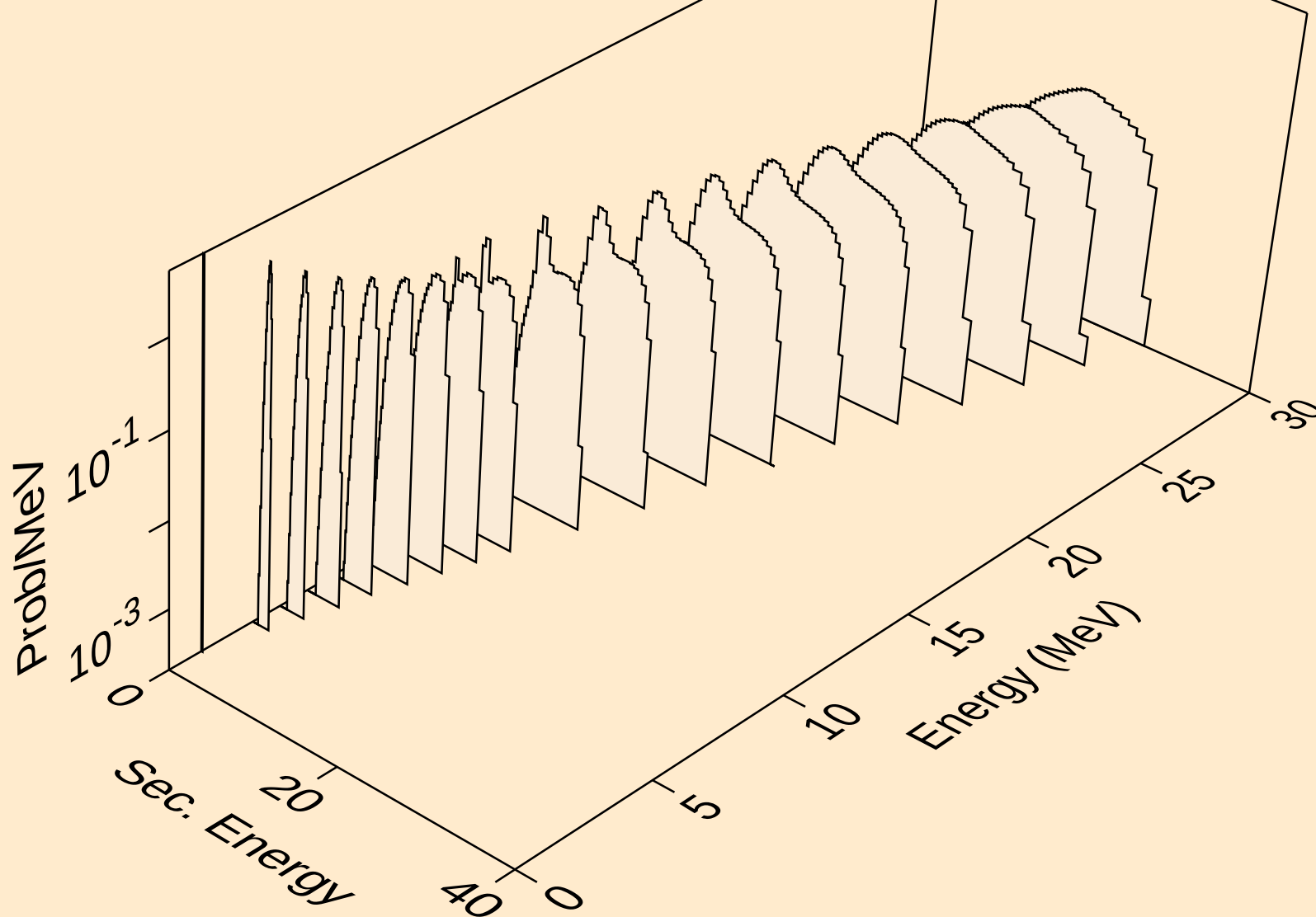
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,x)



CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,n\*)p

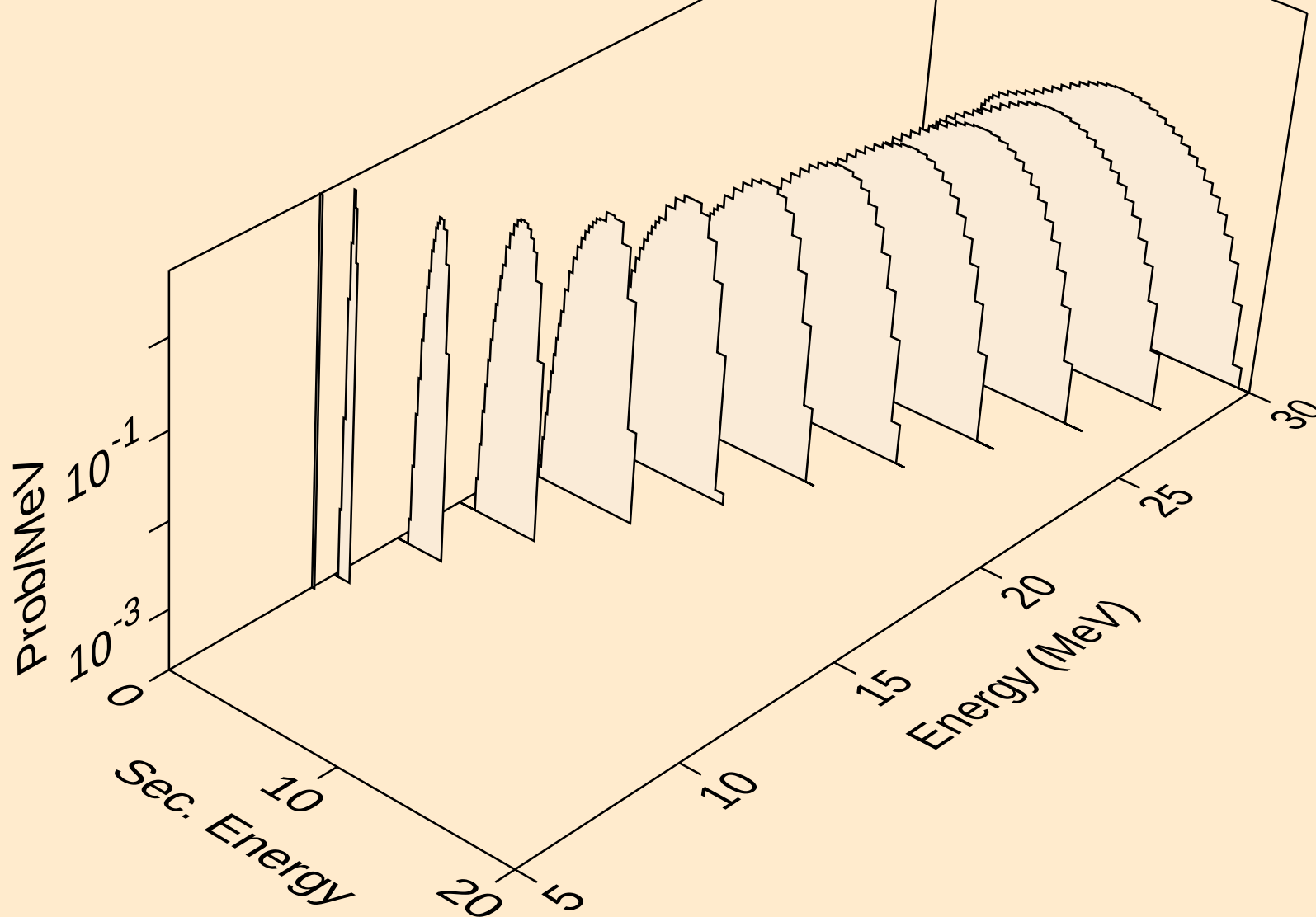


CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,2np)

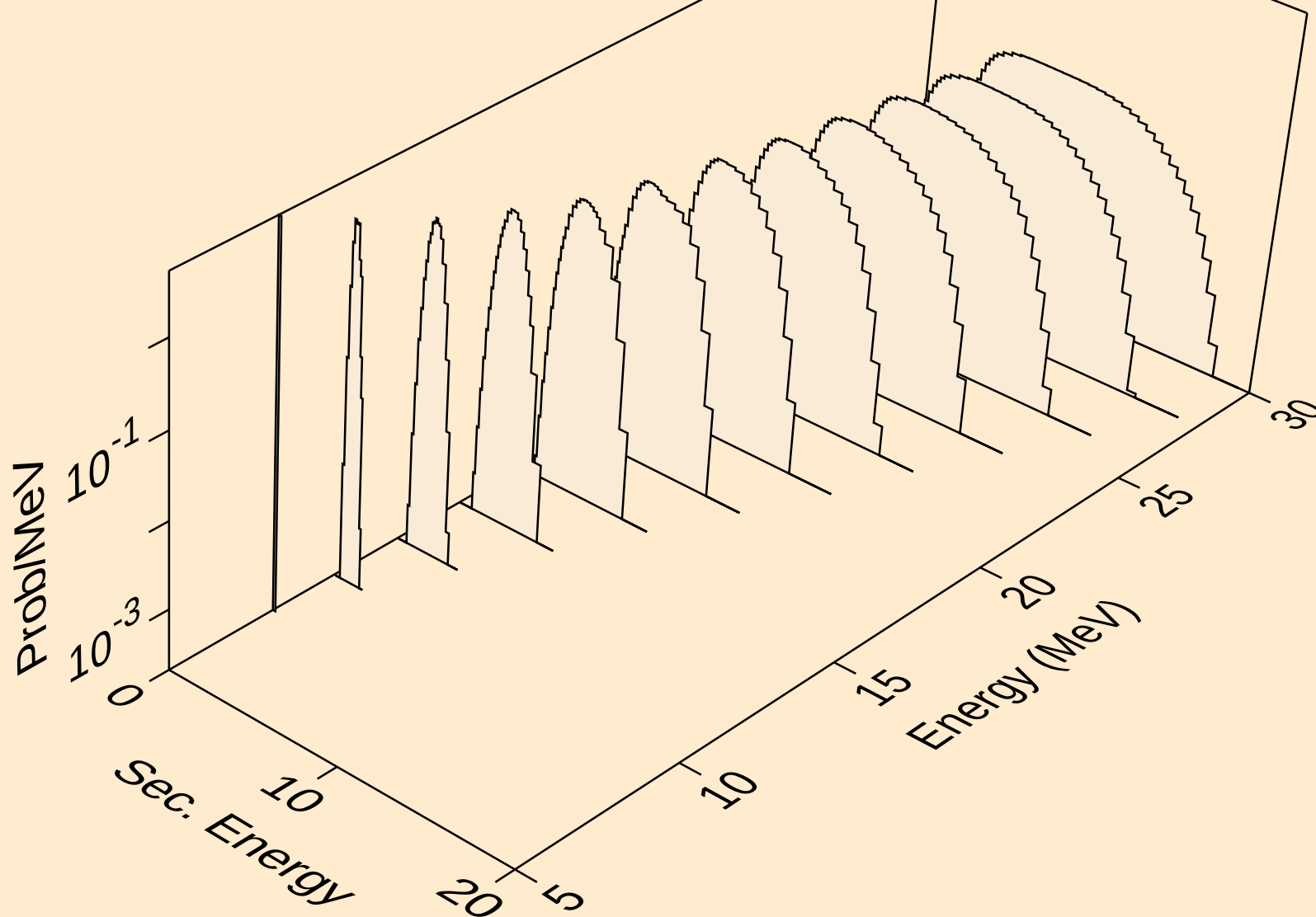




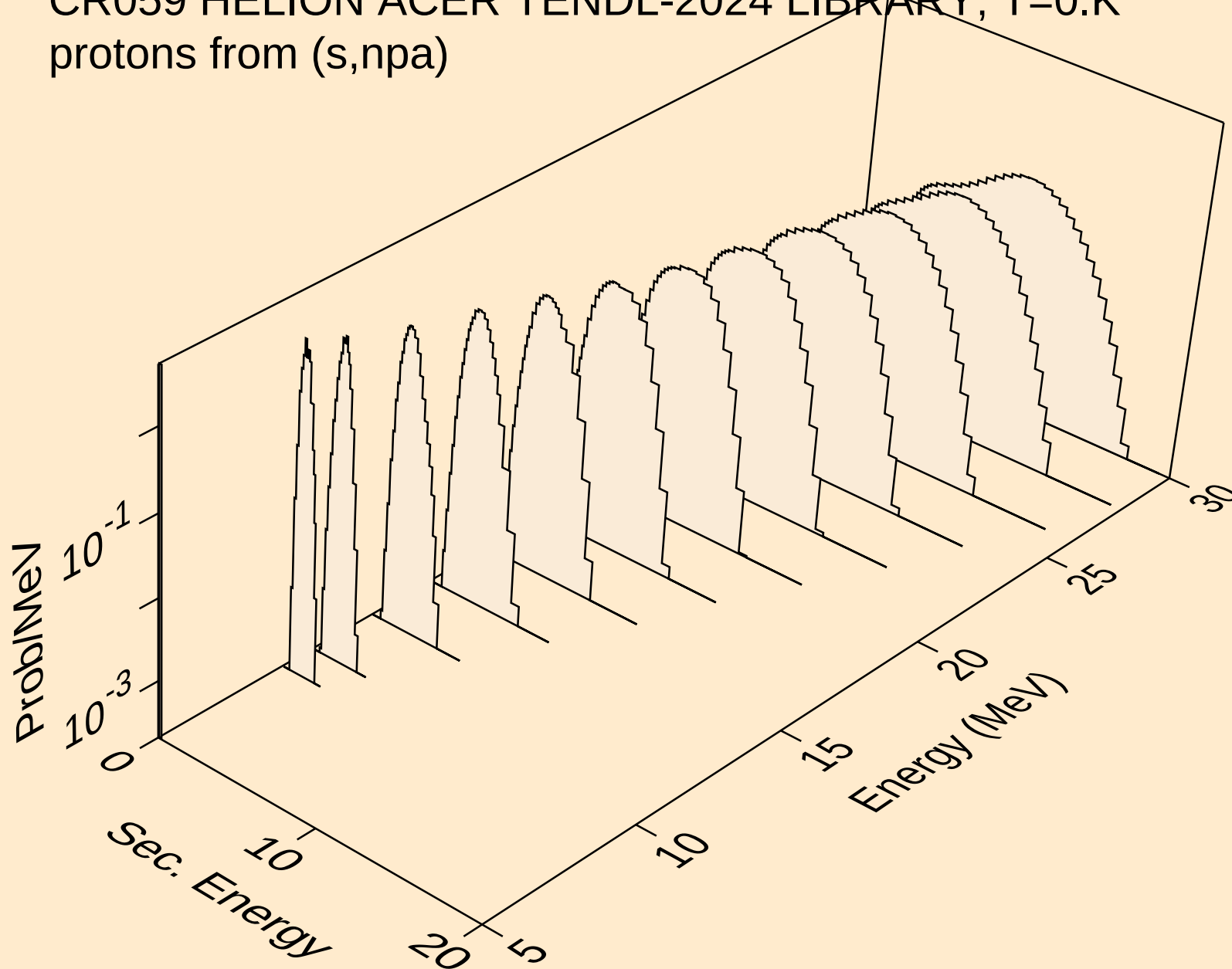
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protons from (s,3np)



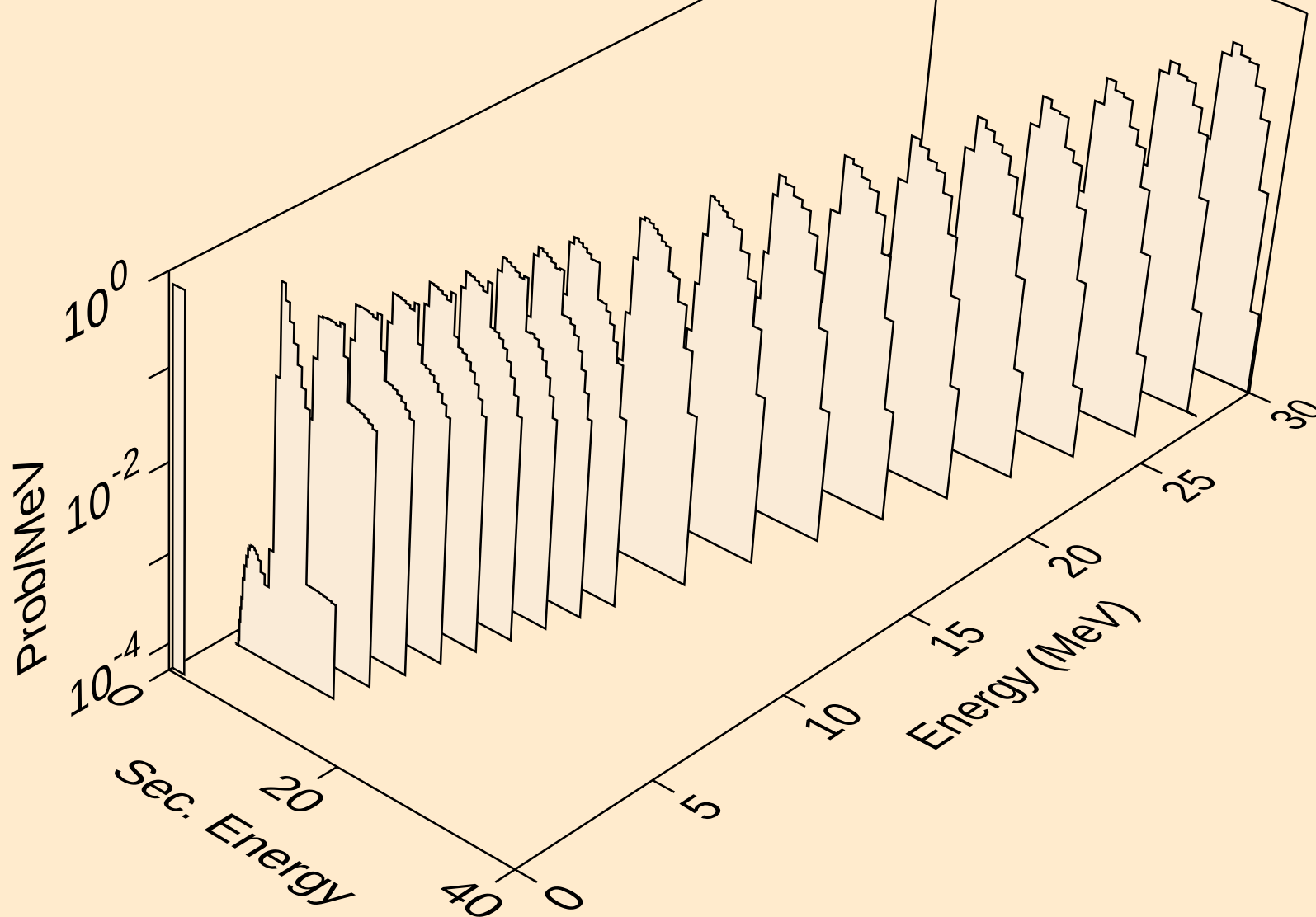
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,n2p)



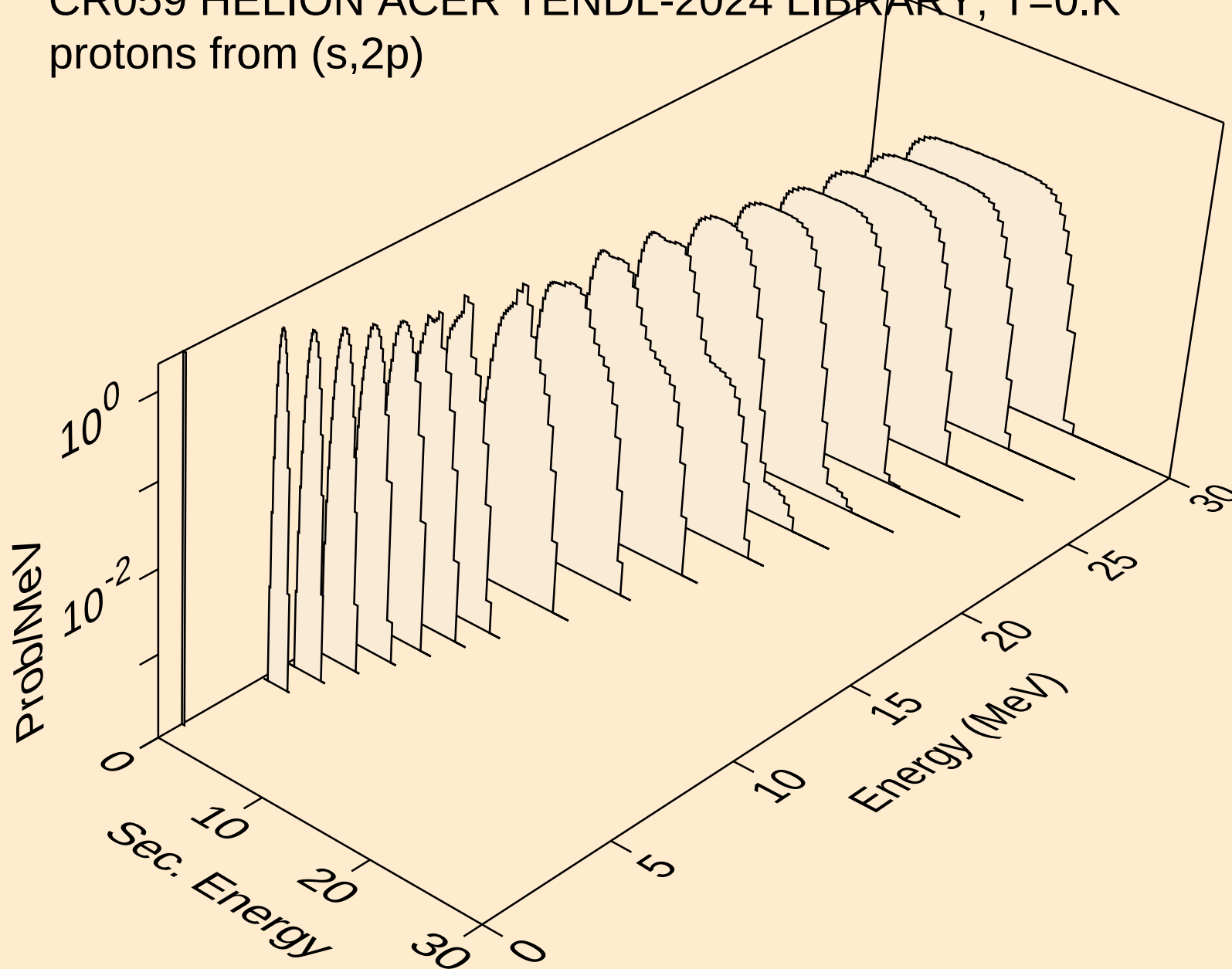
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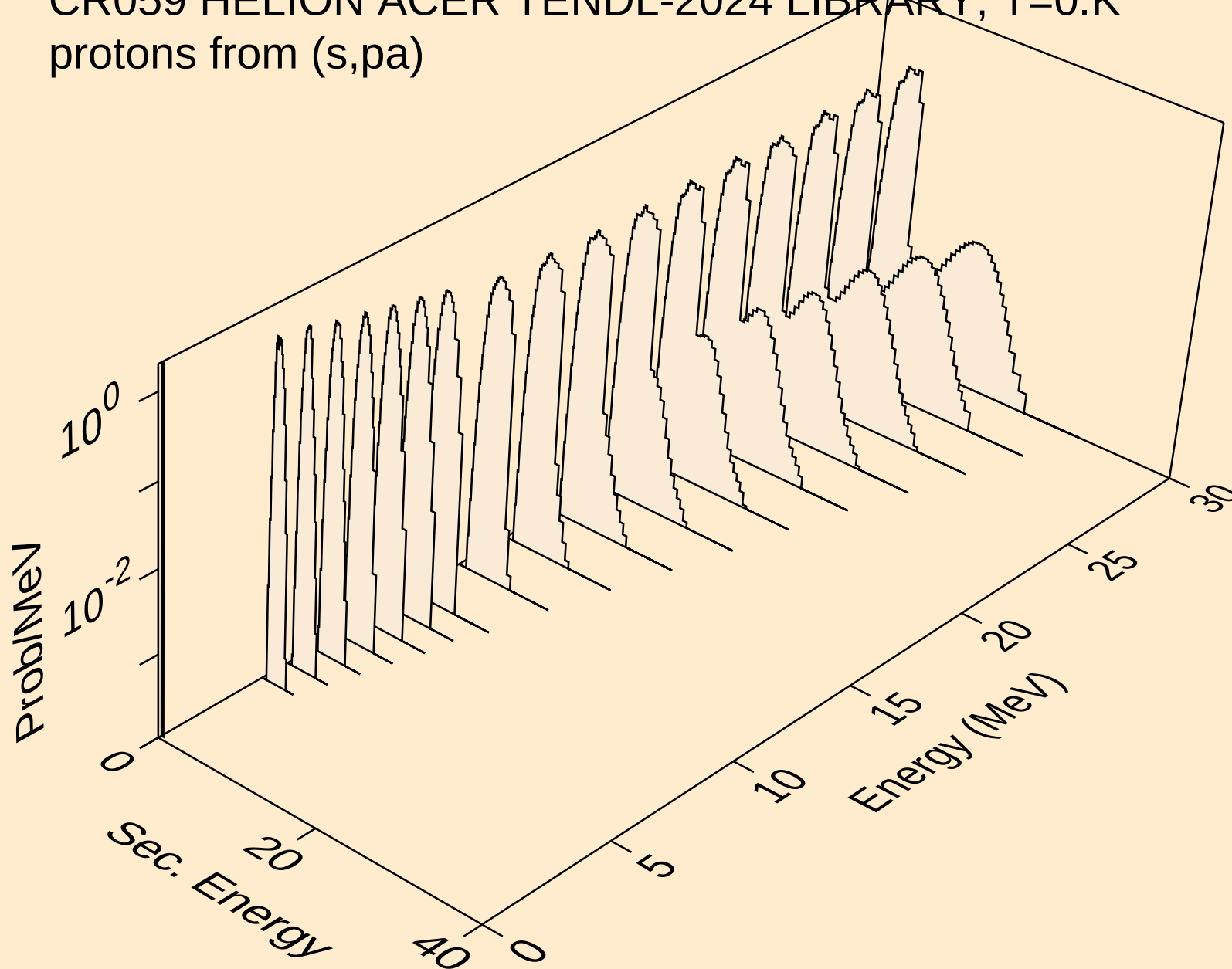
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protons from (s,p)



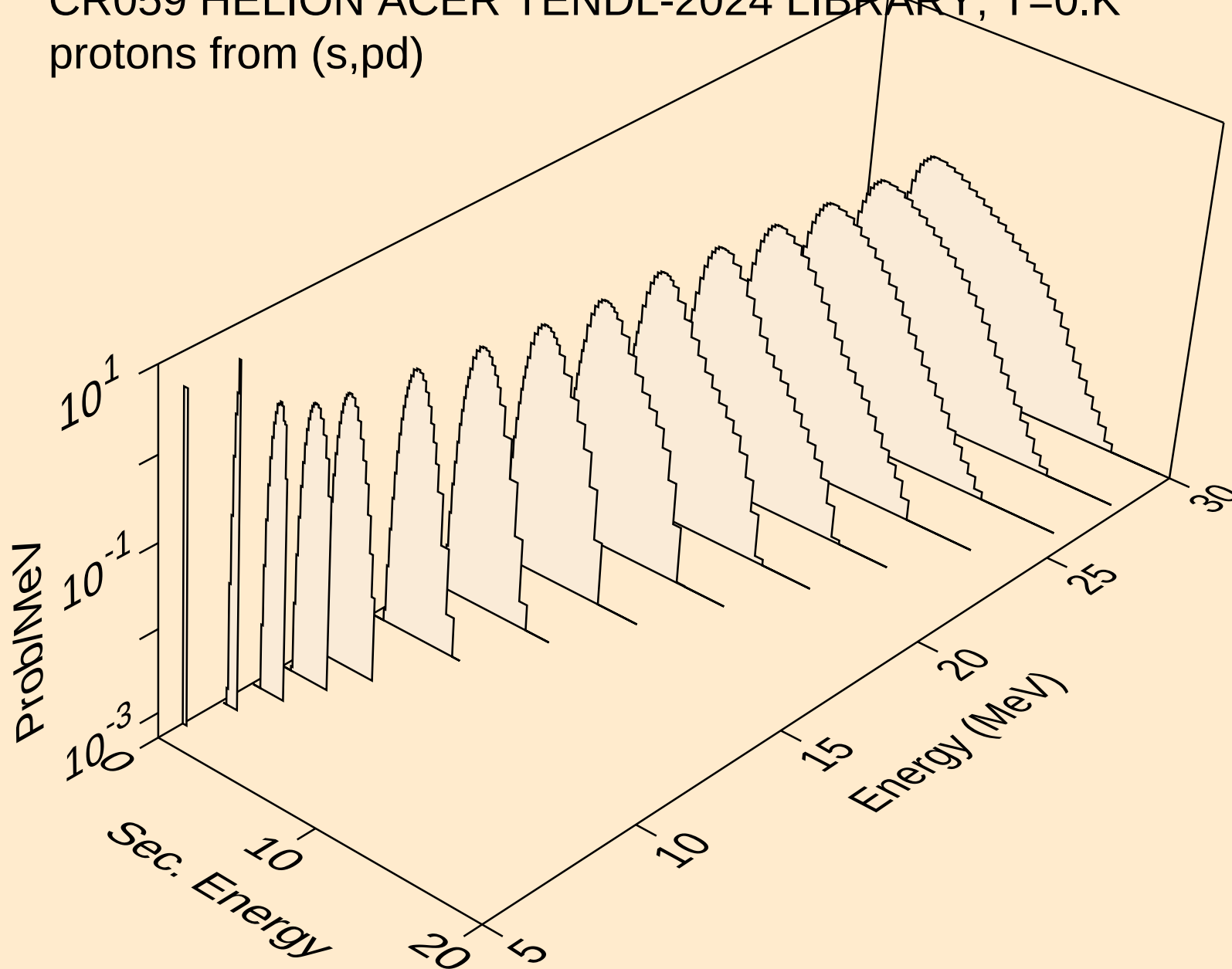
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protons from (s,2p)



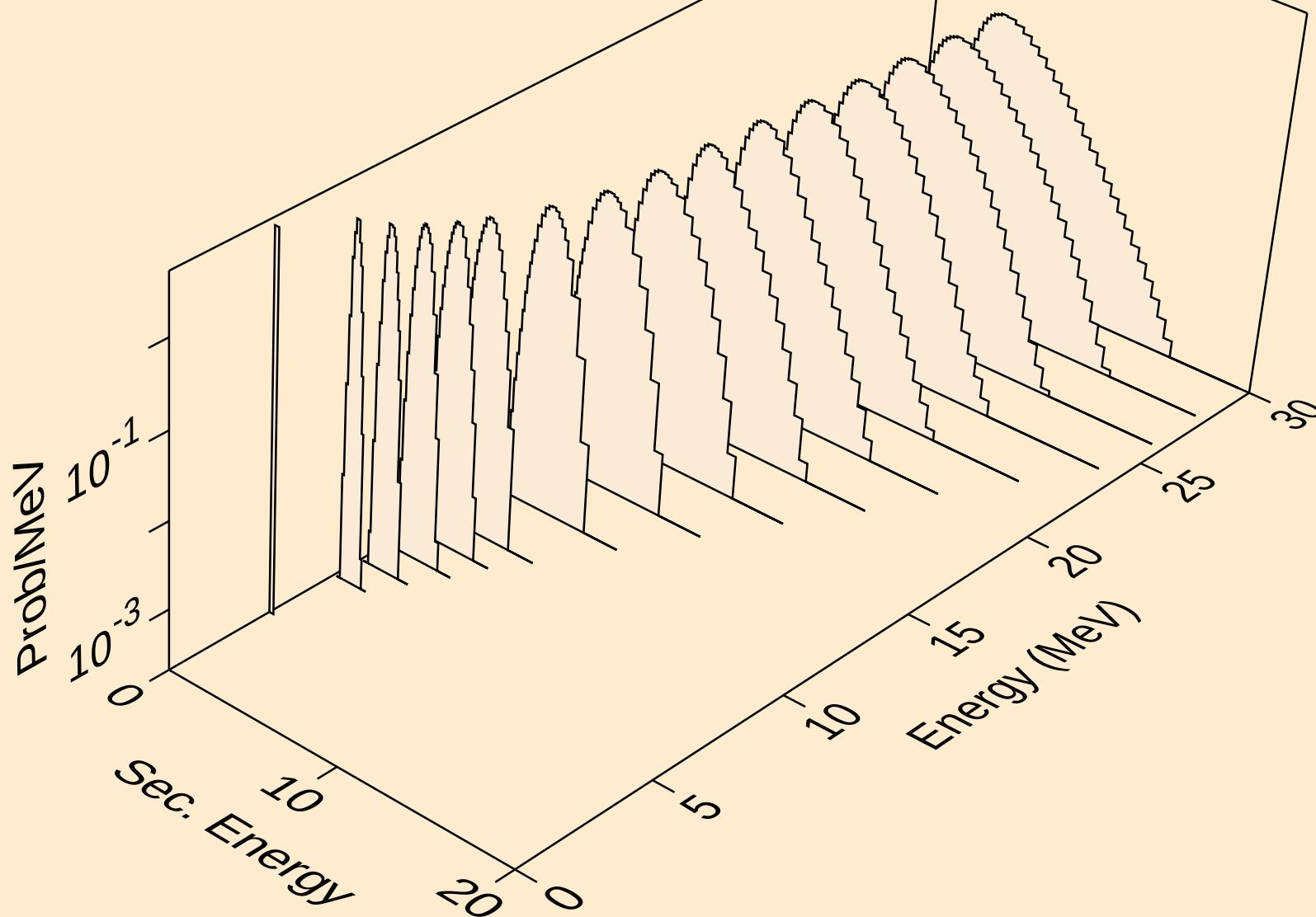
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,pa)



CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,pd)

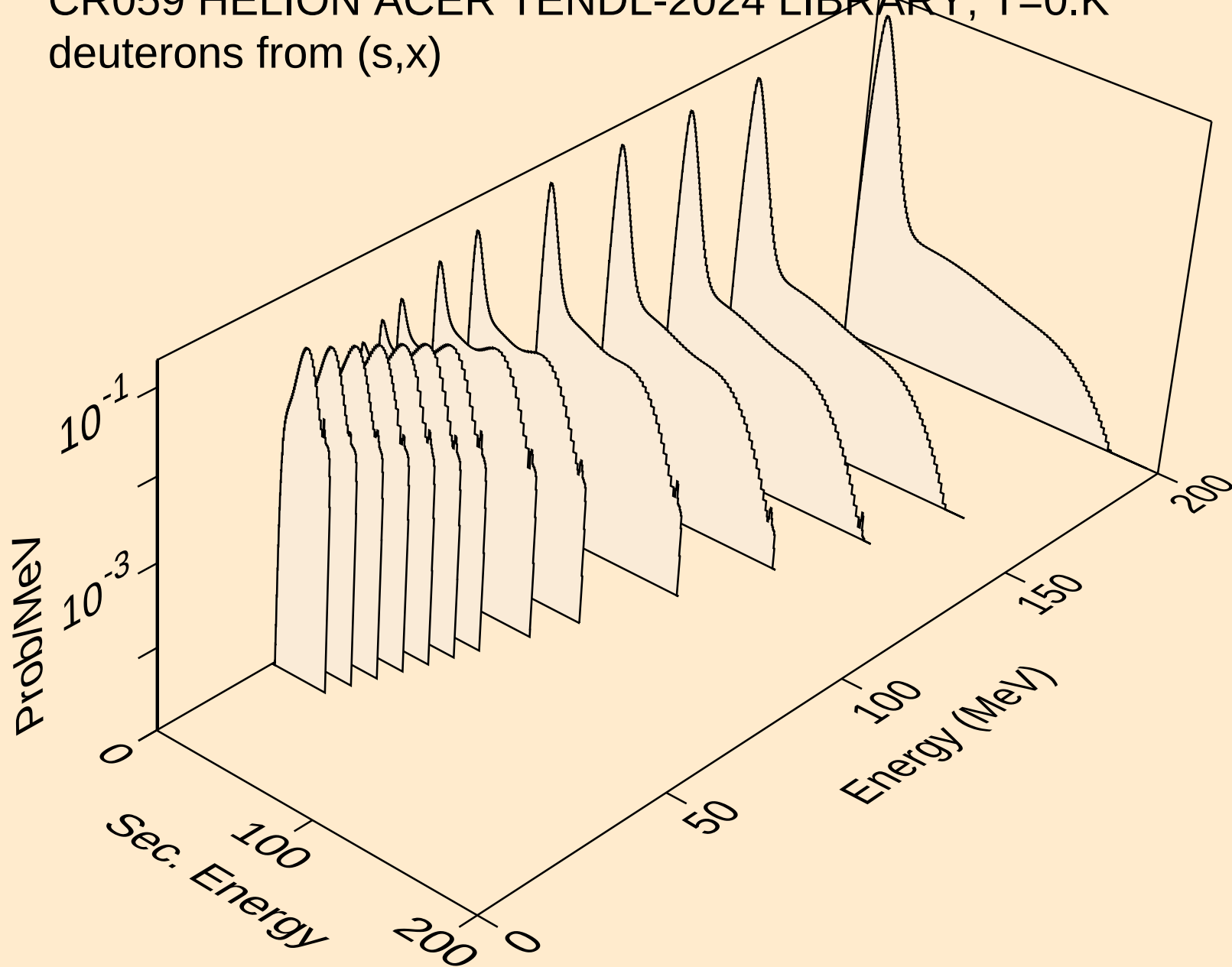


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protons from (s,pt)

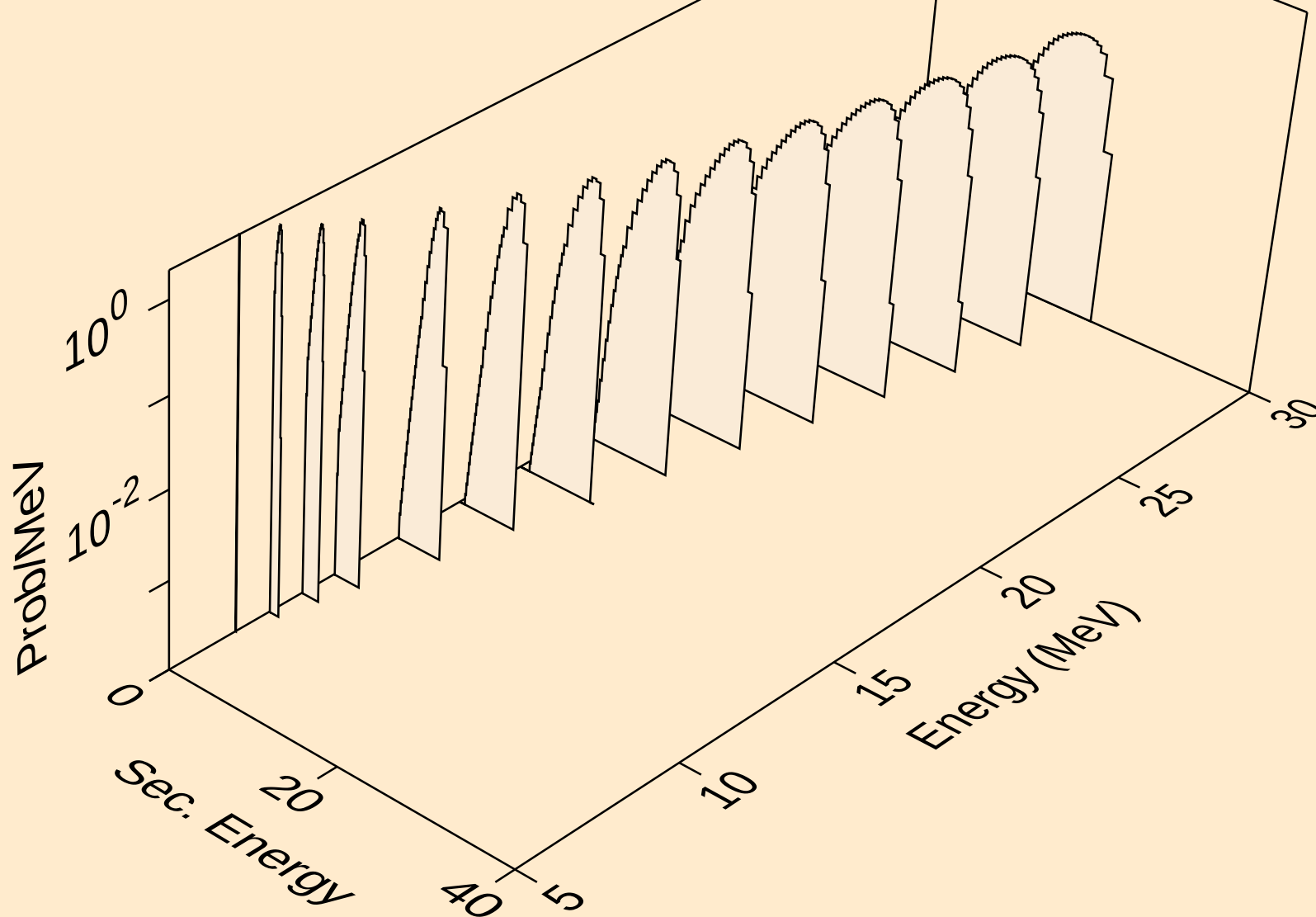




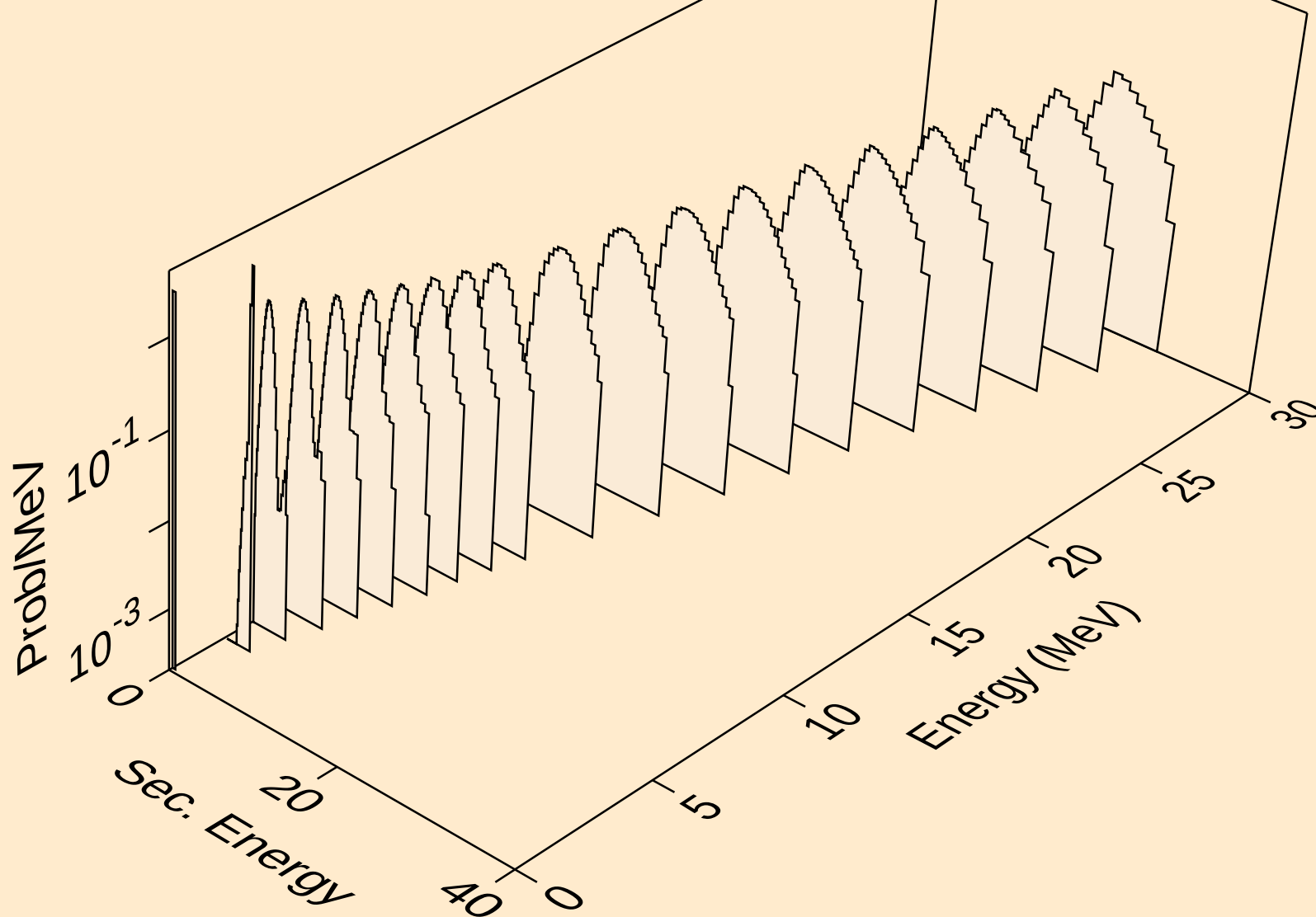
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deuterons from (s,x)



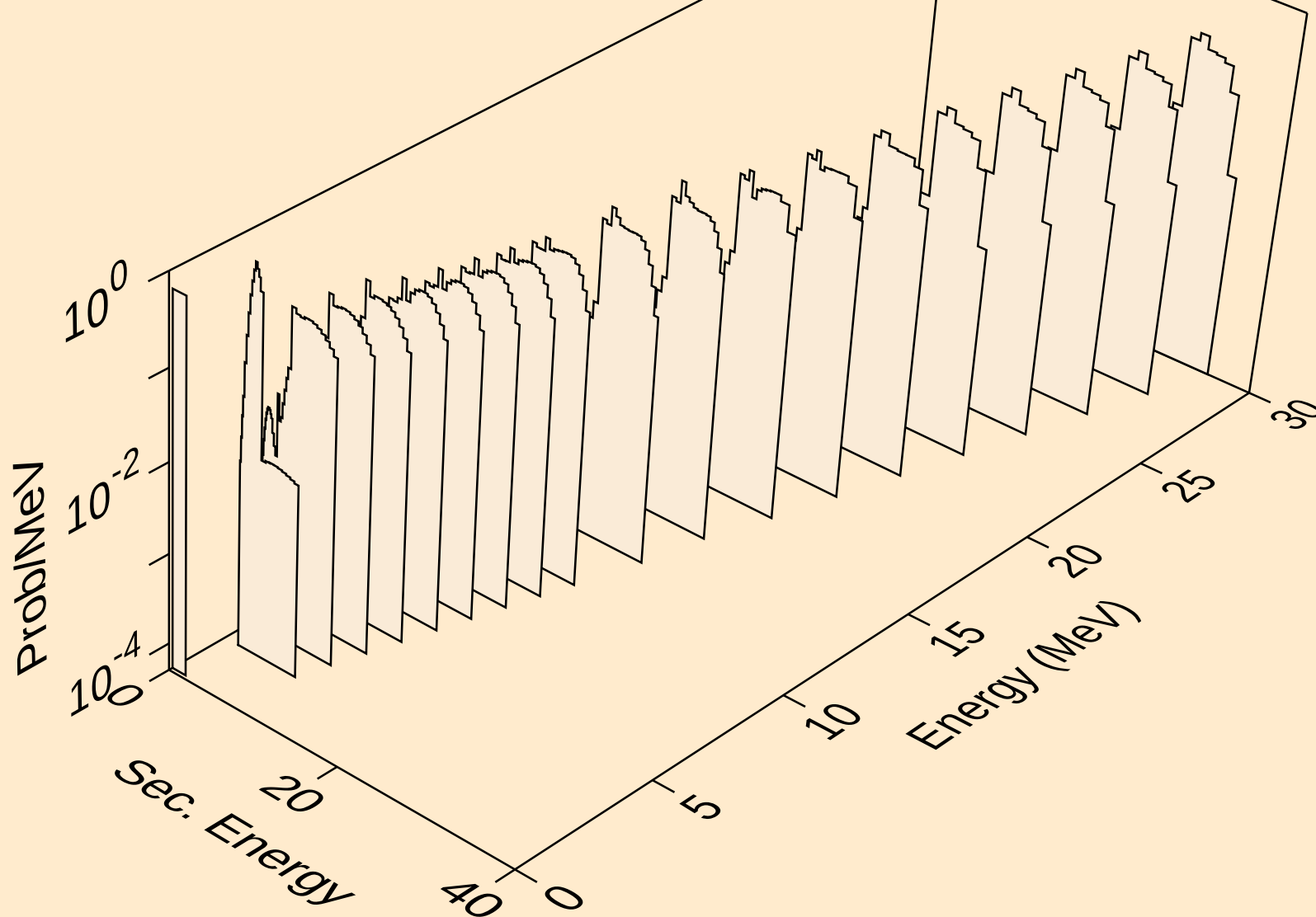
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deuterons from (s,2nd)



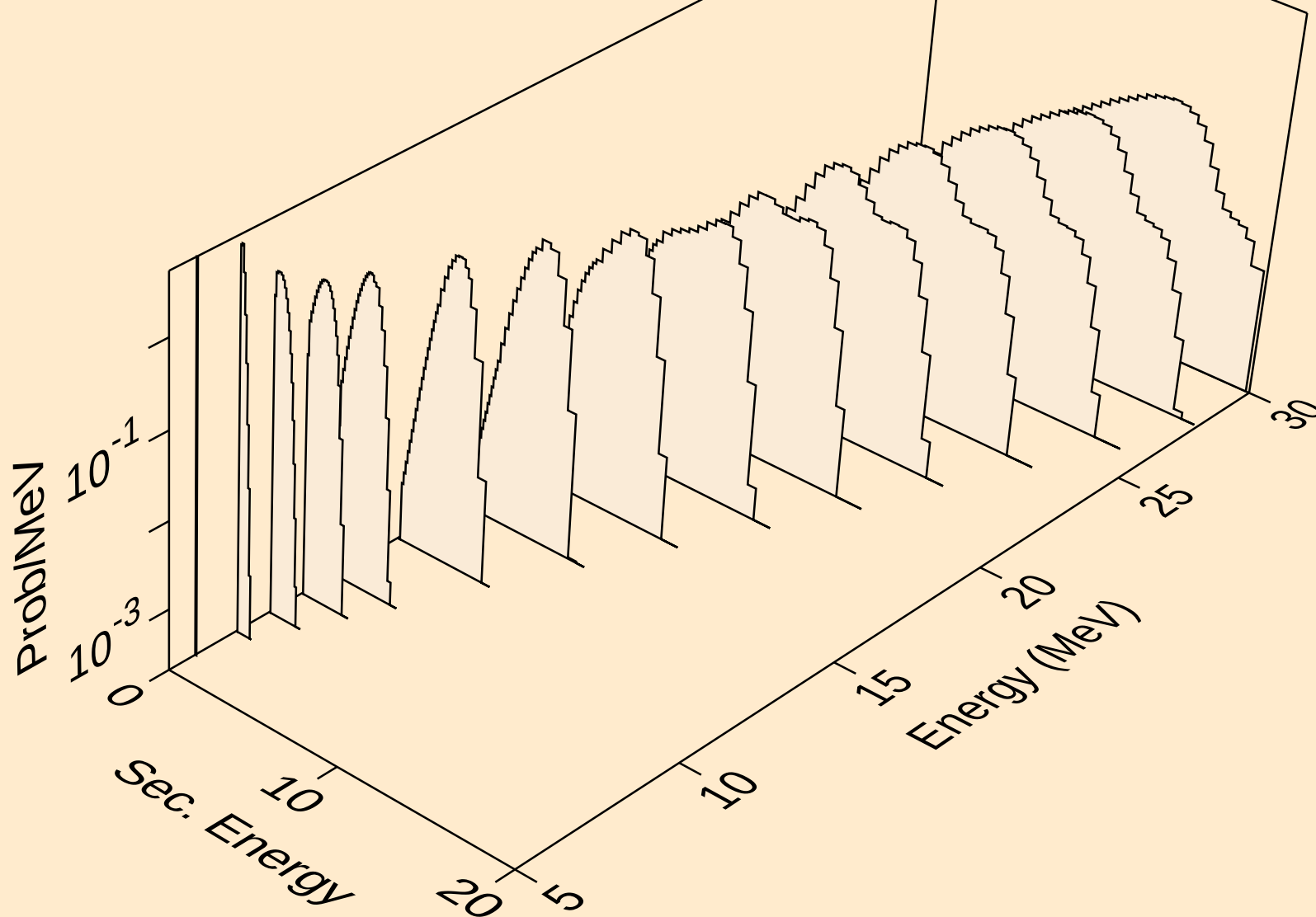
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (s,n\*)d



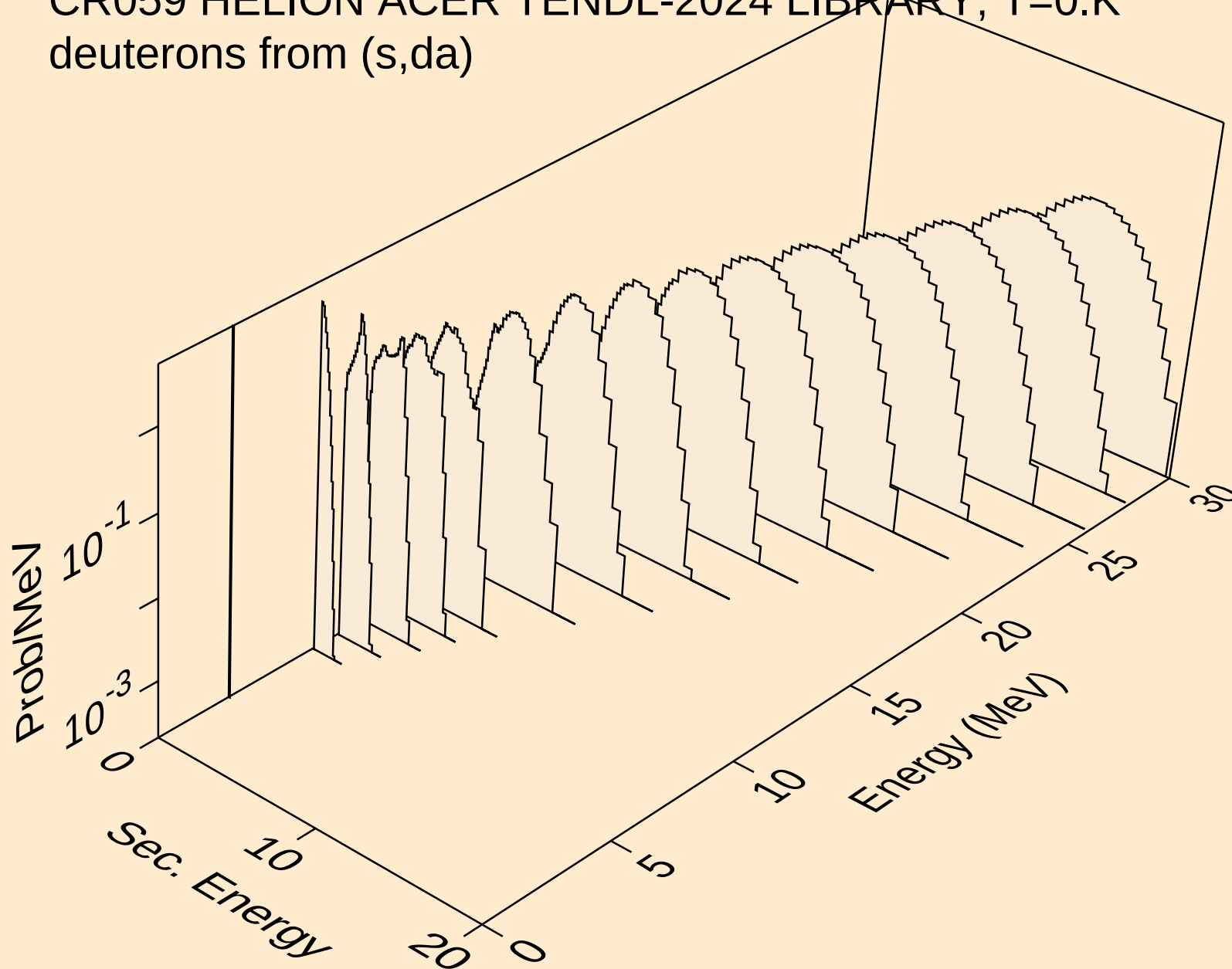
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deuterons from (s,d)



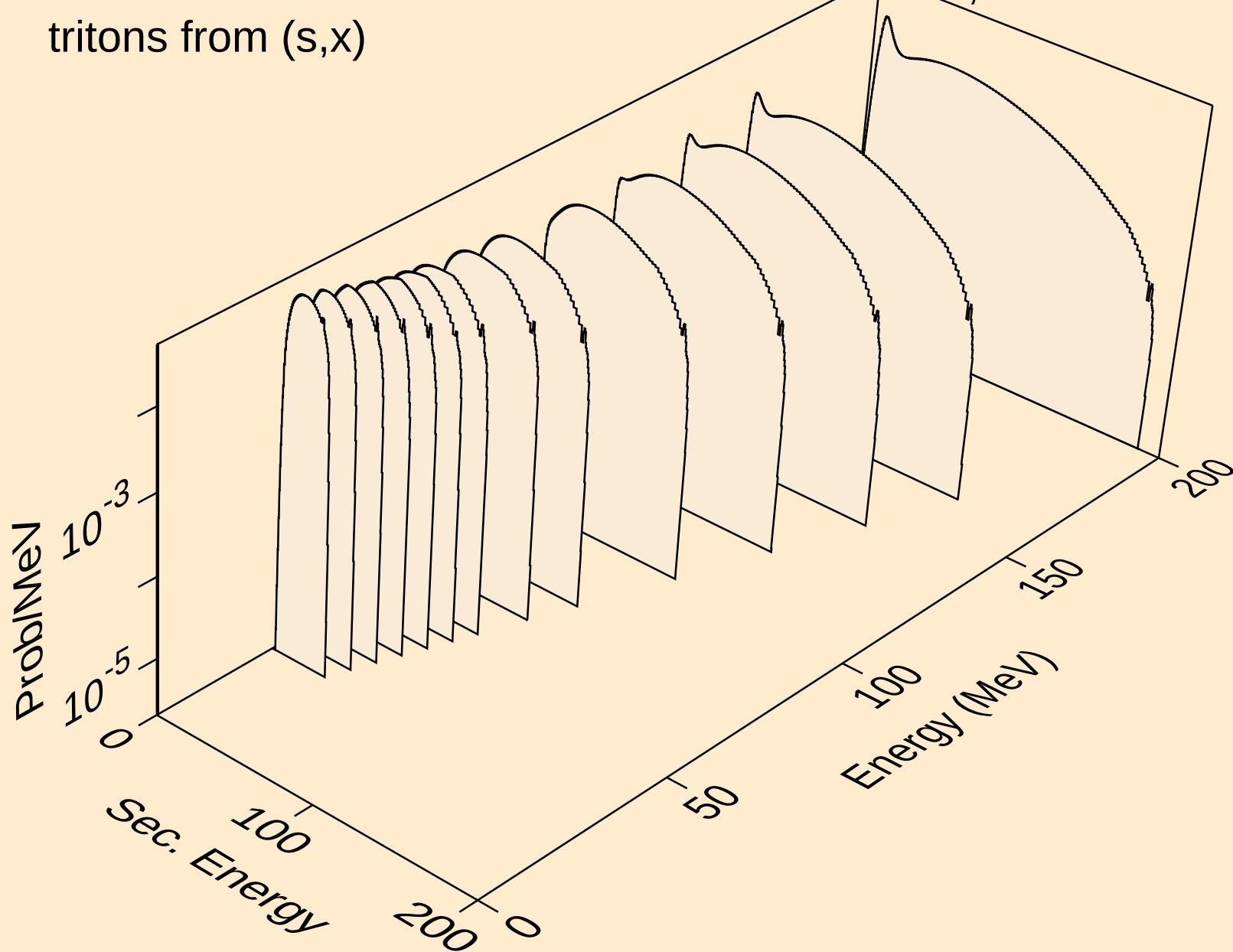
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deuterons from (s,pd)



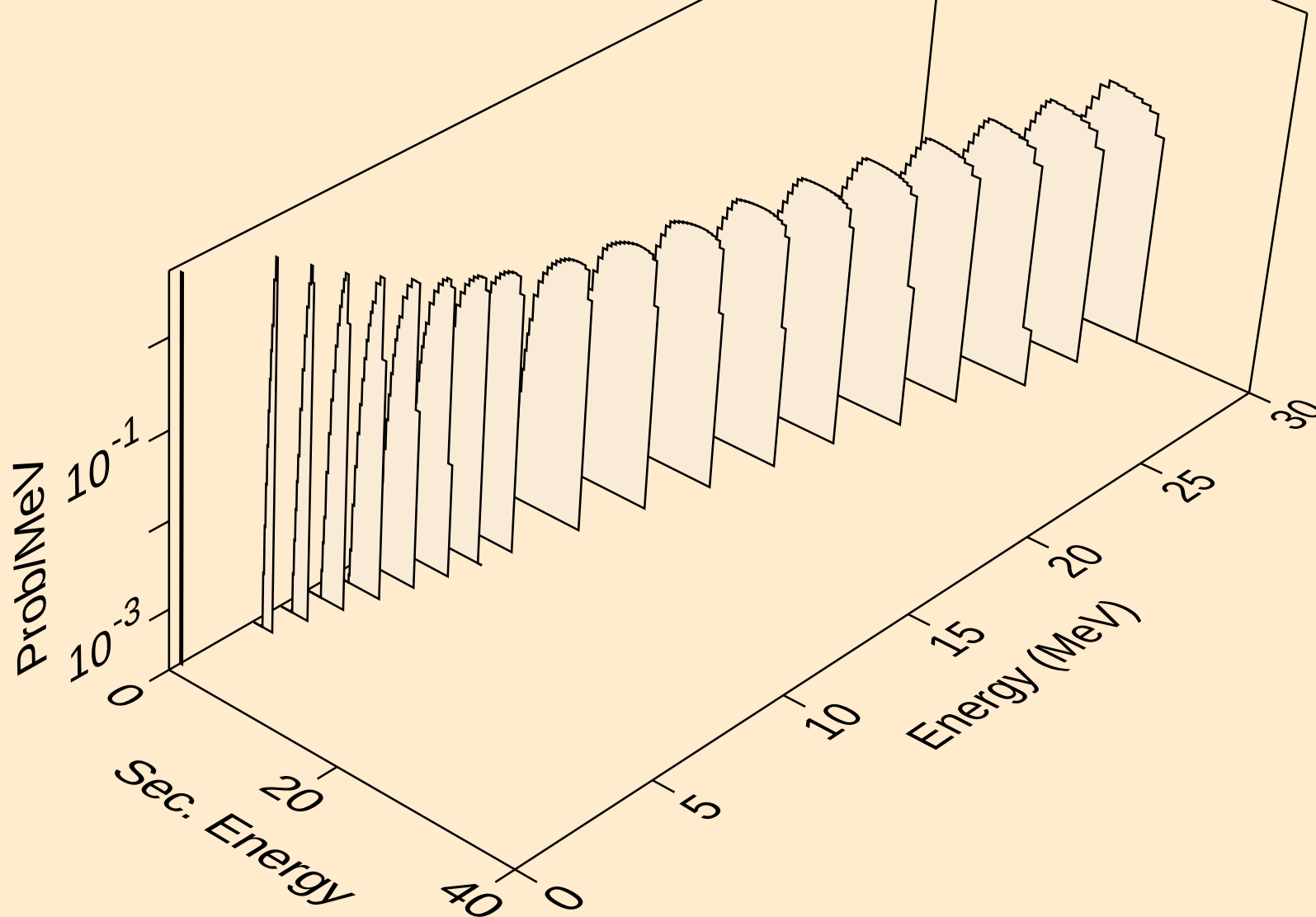
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (s,da)



CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (s,x)

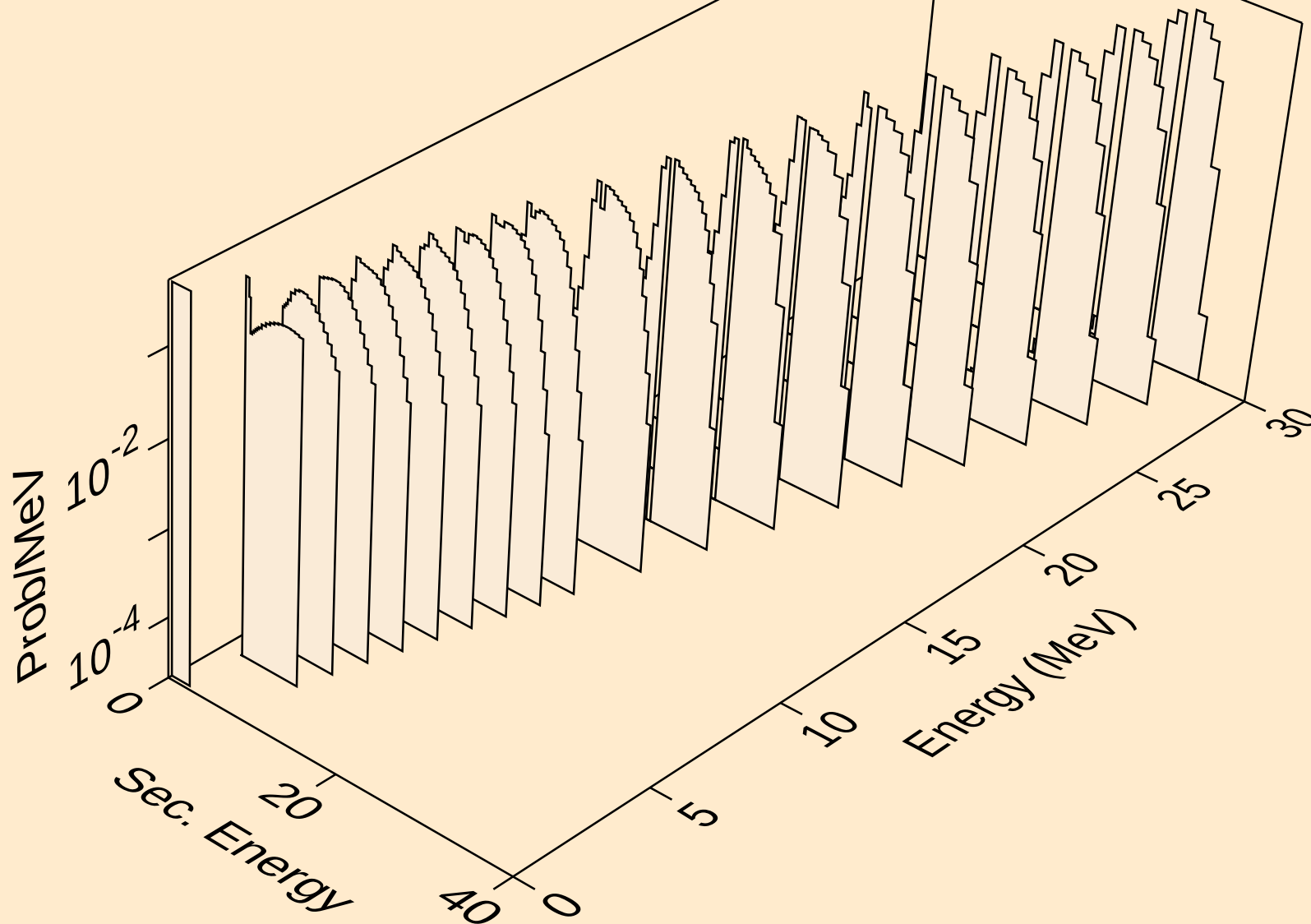


CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (s,n\*)t

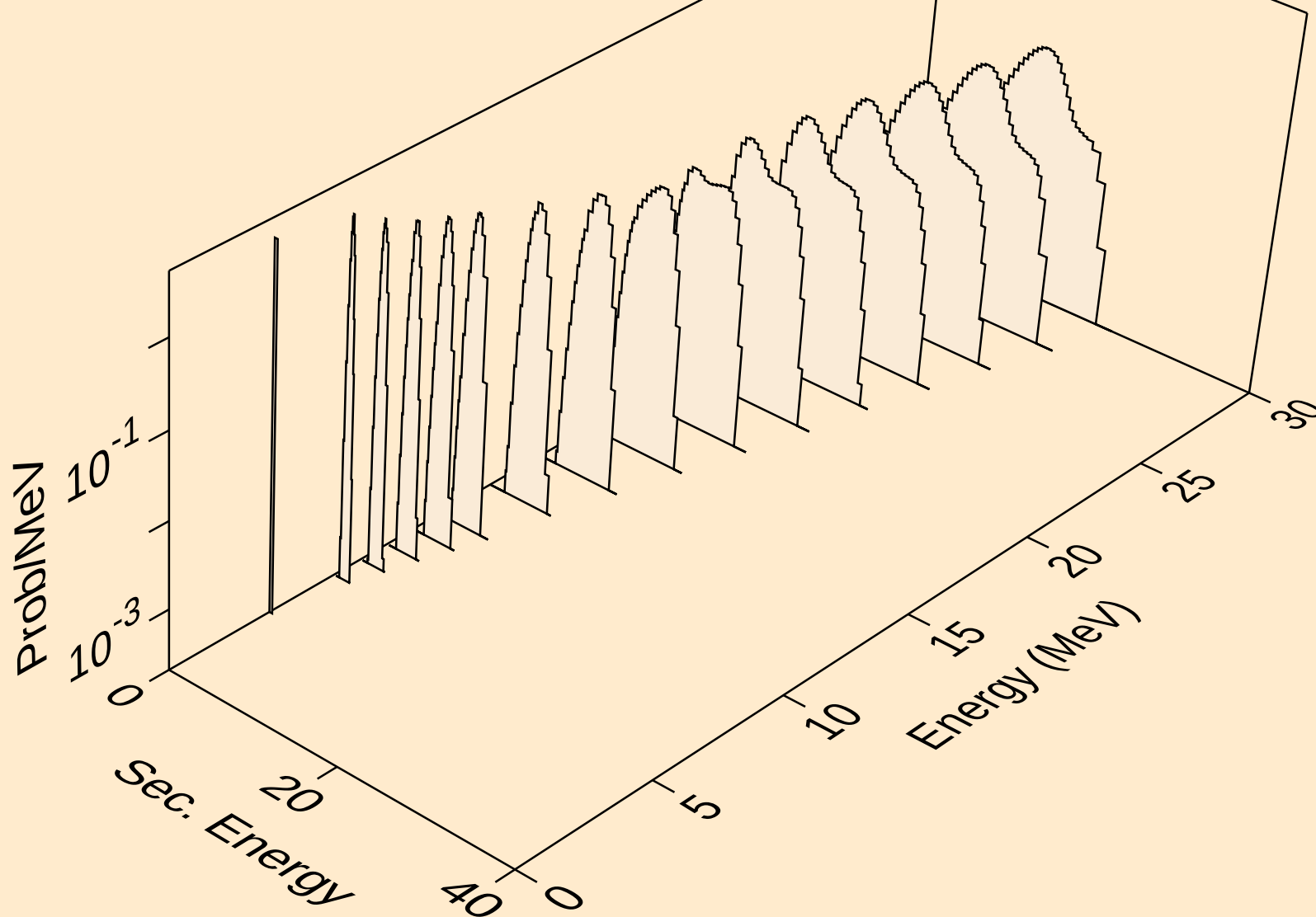




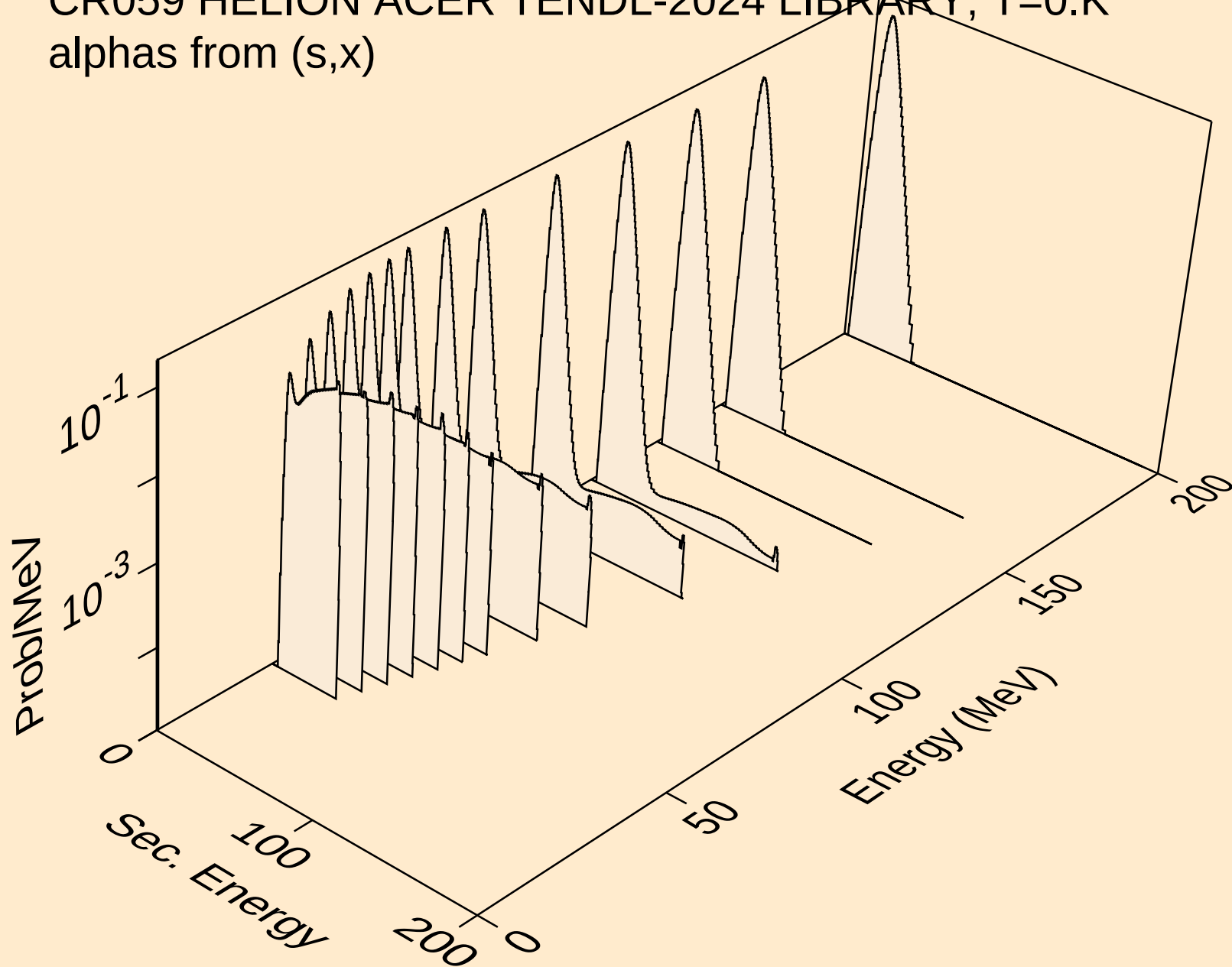
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tritons from (s,t)



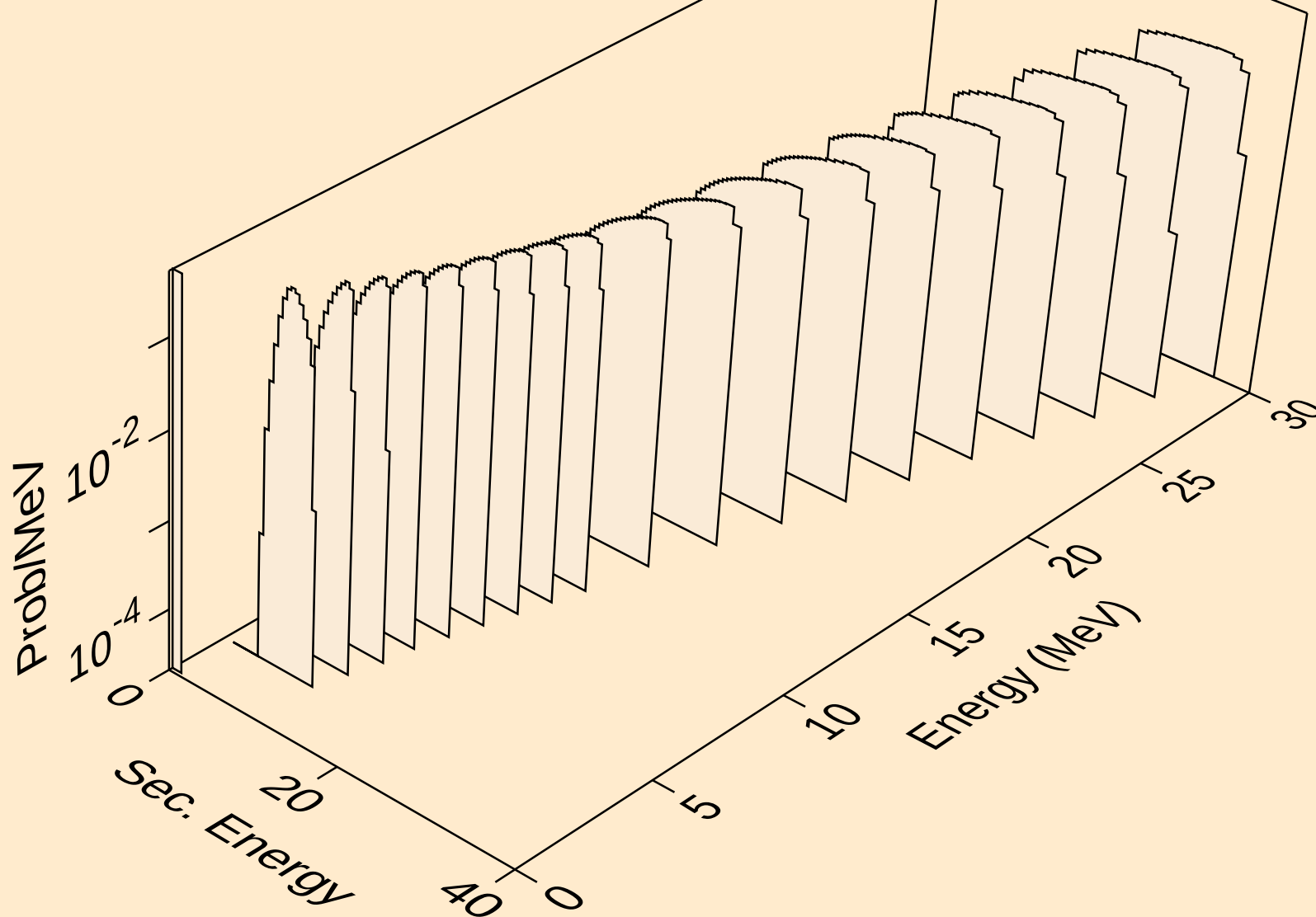
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tritons from (s,pt)



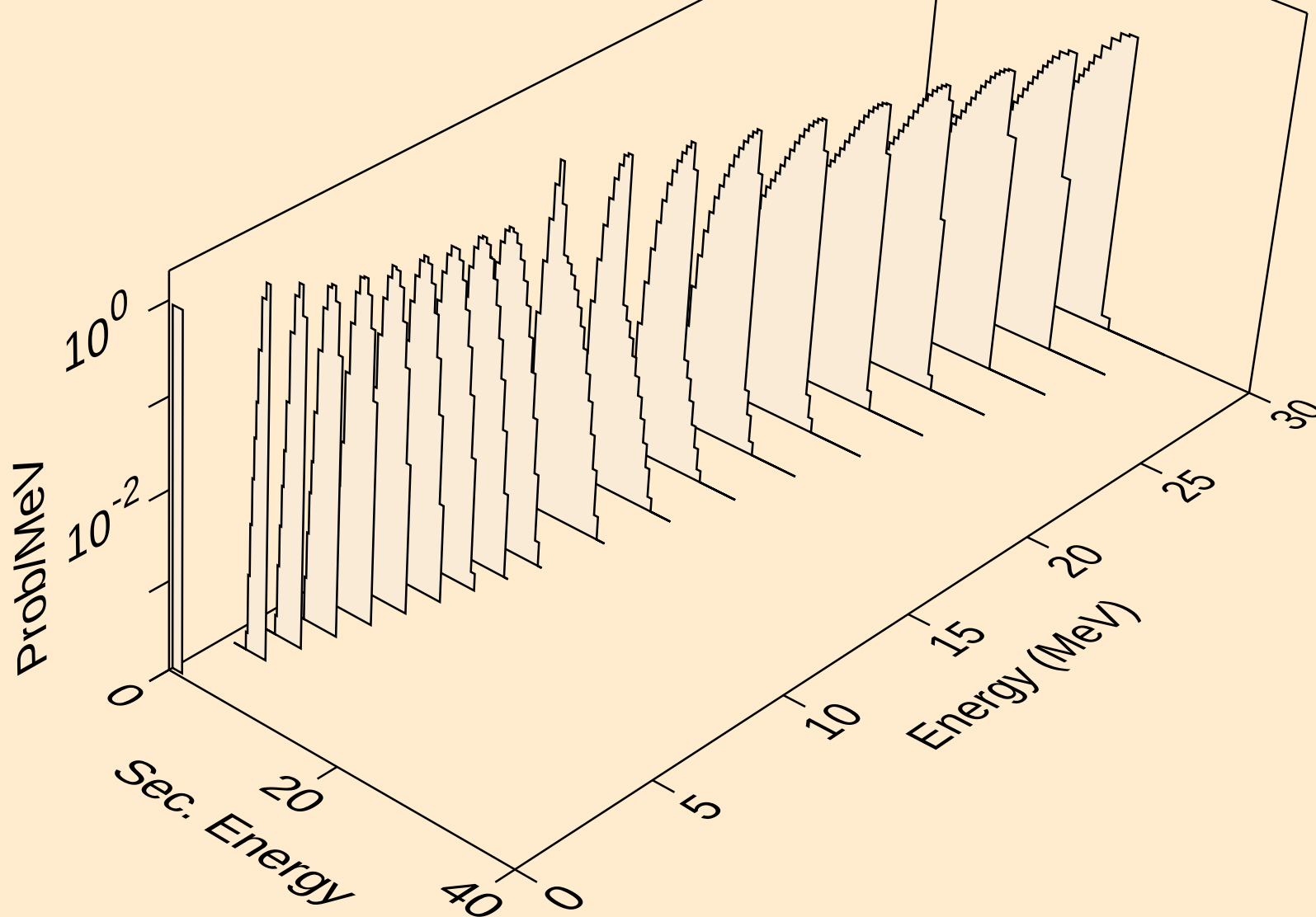
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,x)



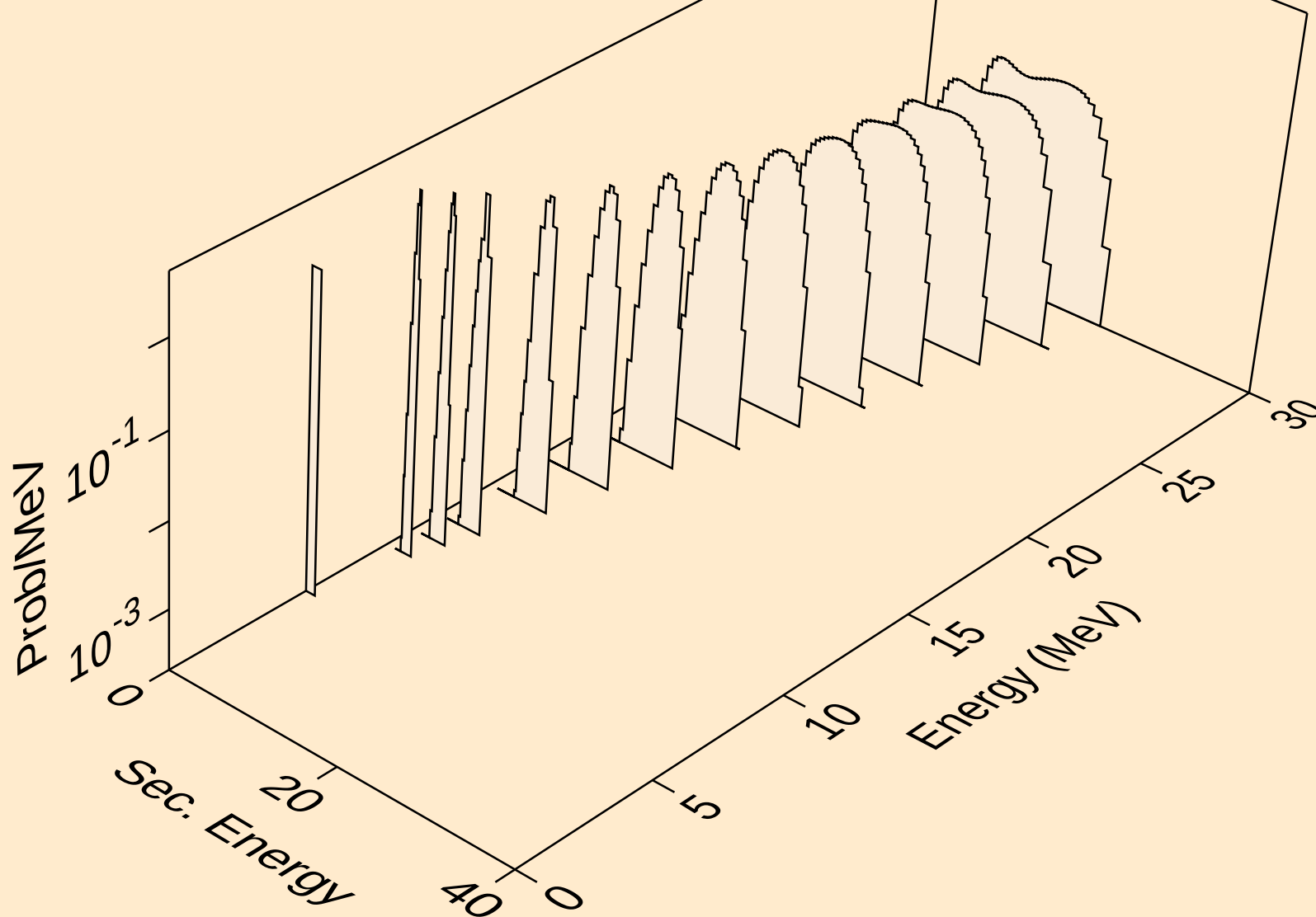
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,n\*)a



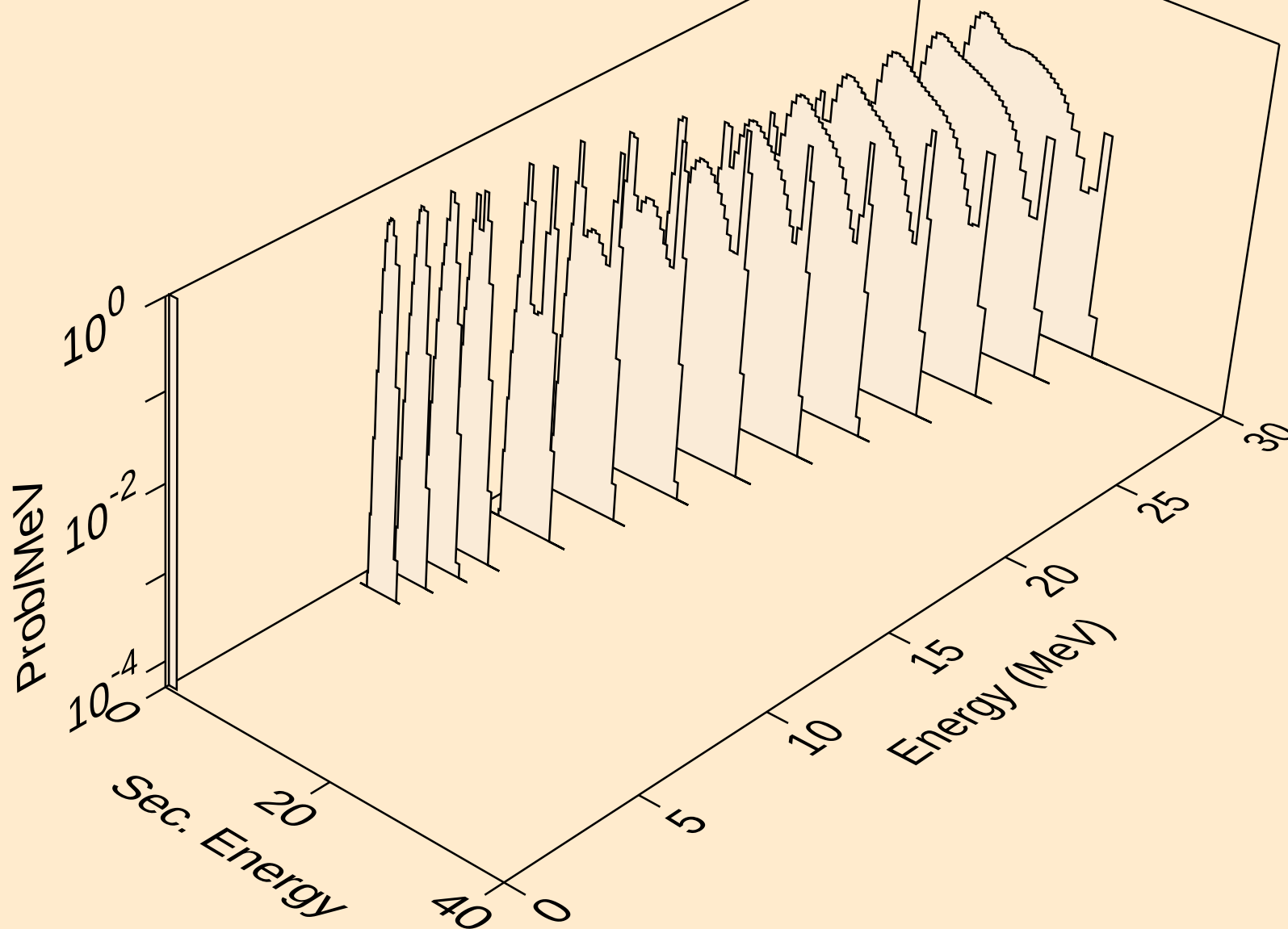
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,2n)a



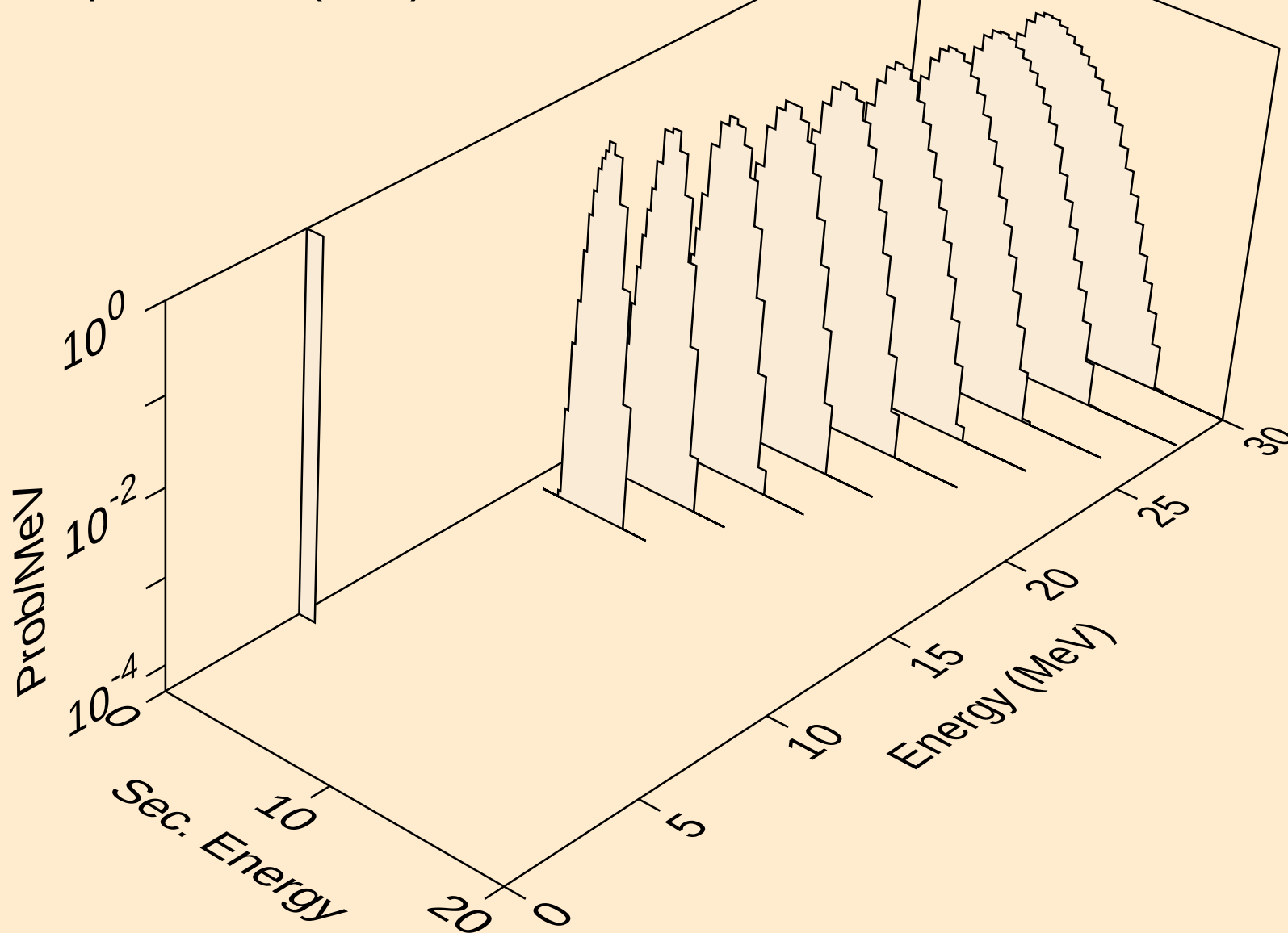
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,3n)a



CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,n\*)2a

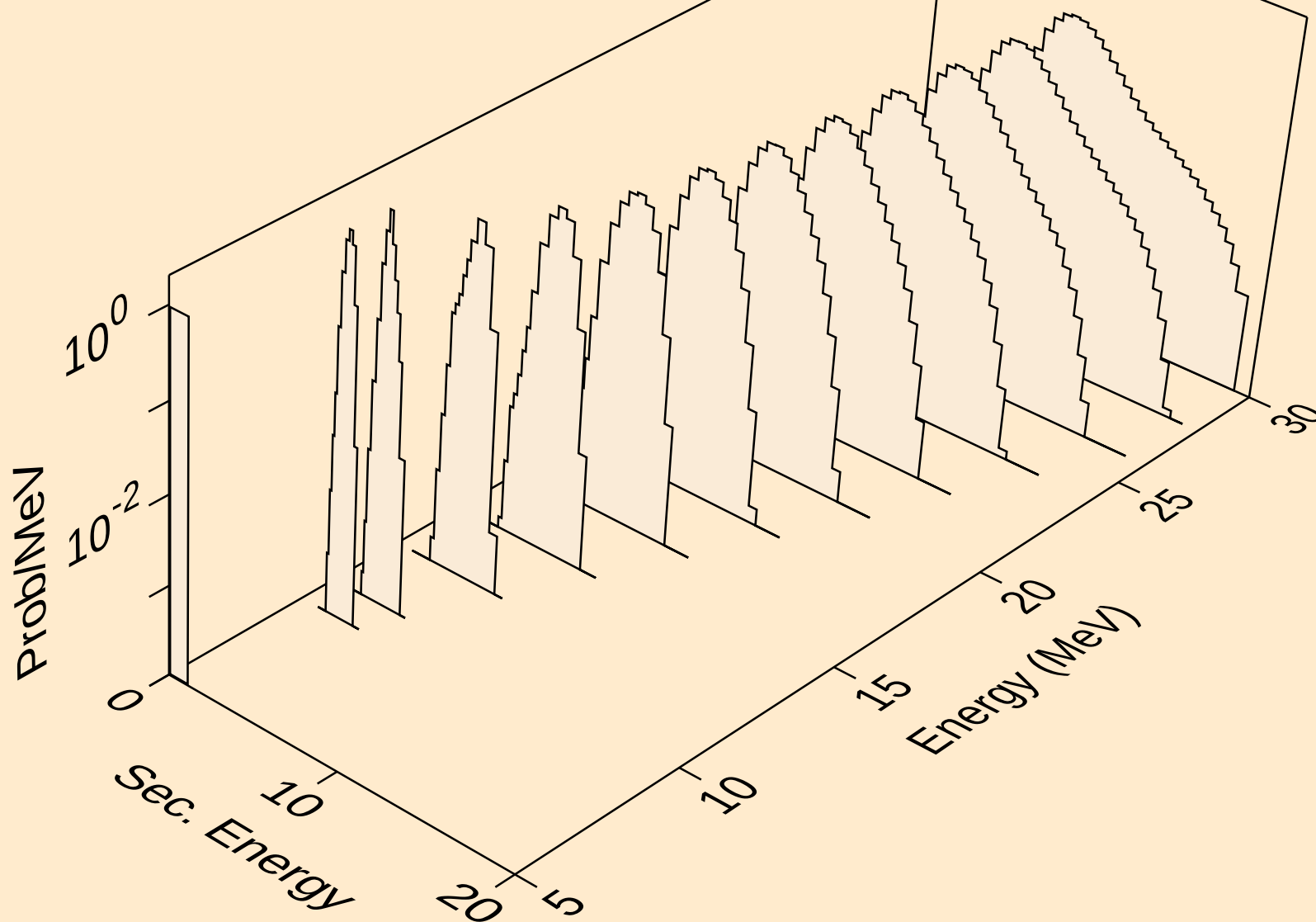


CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,2n)2a

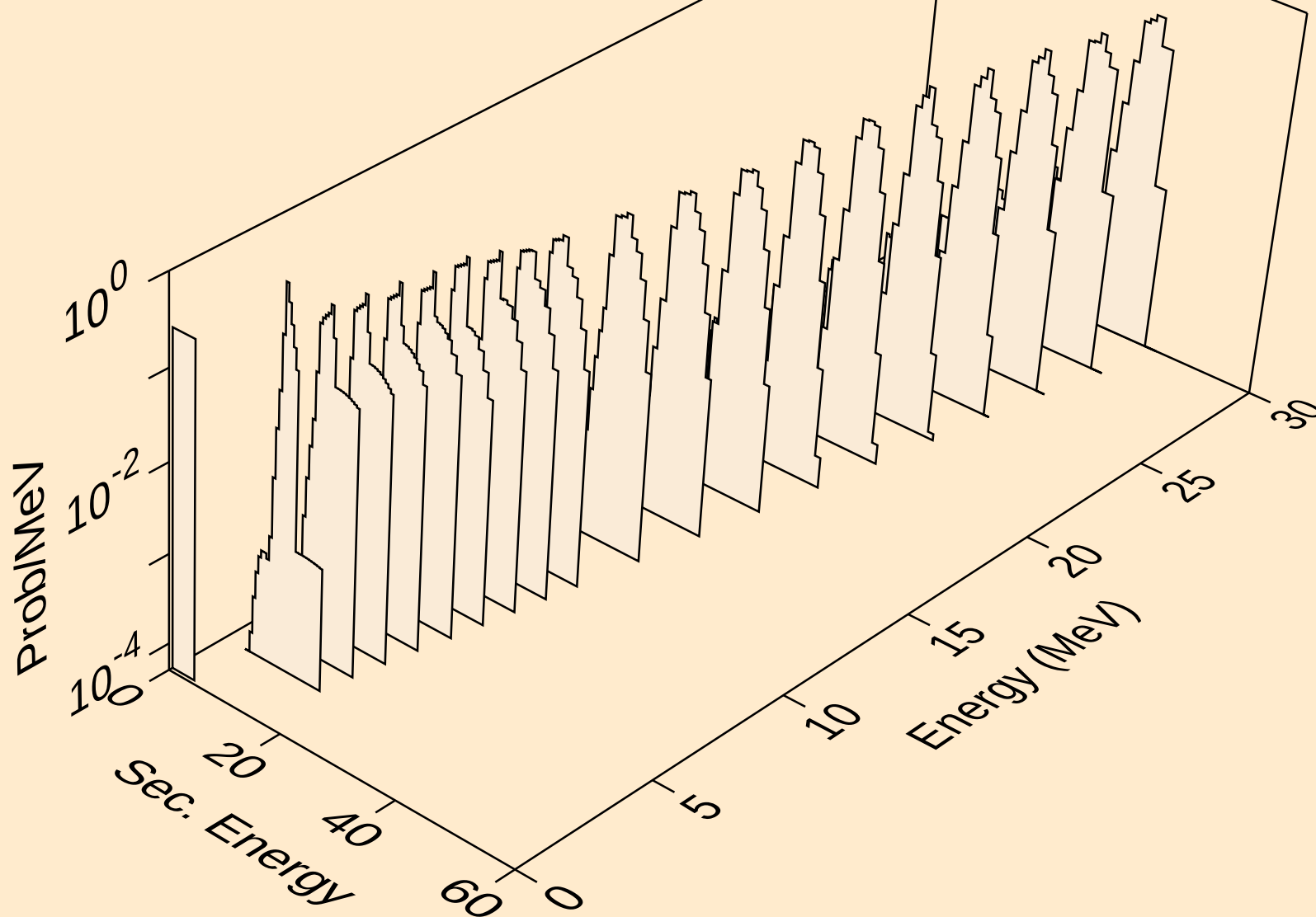




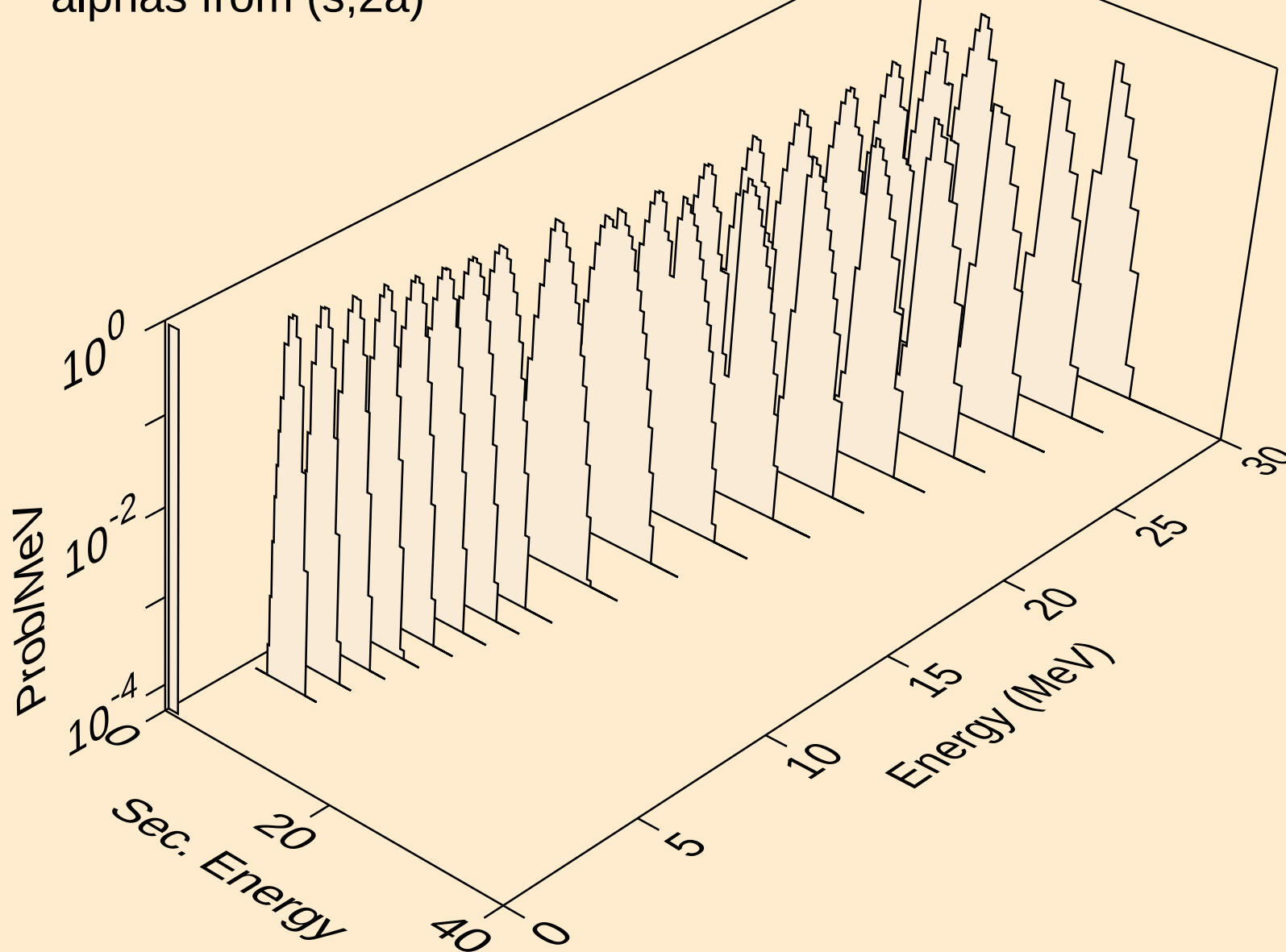
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alphas from (s,npa)



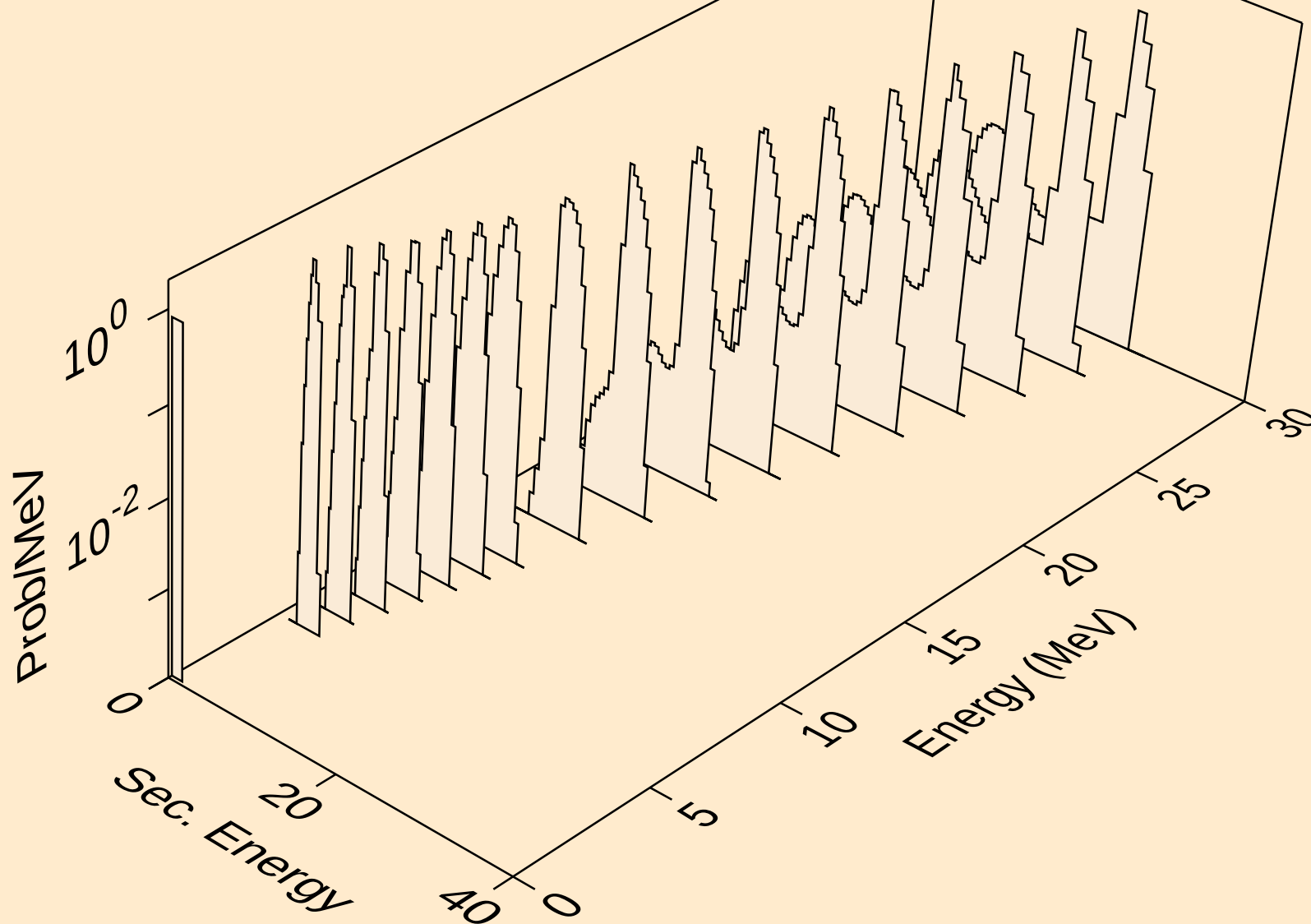
CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,a)



CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,2a)



CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,pa)



CR059 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,da)

