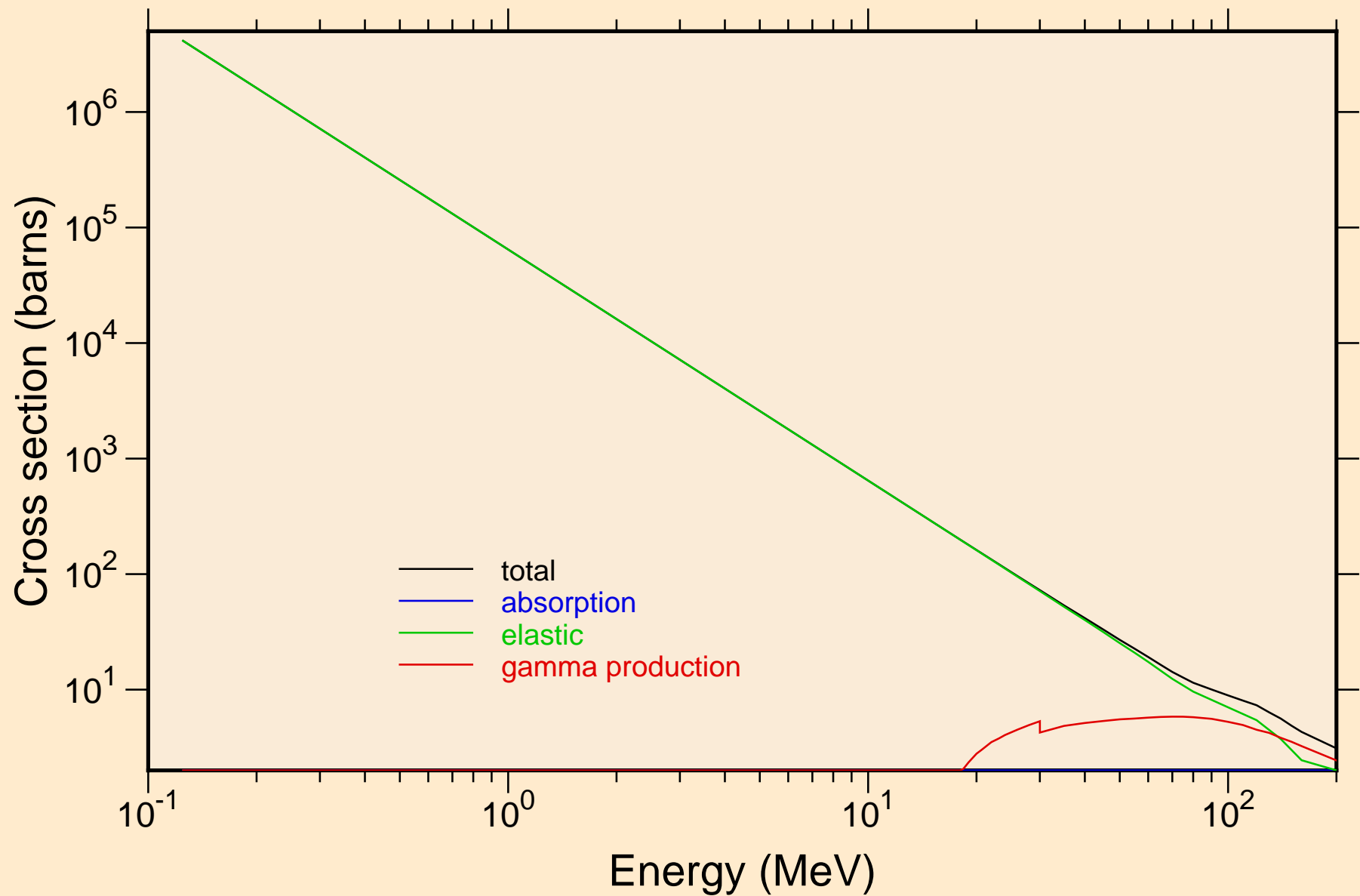


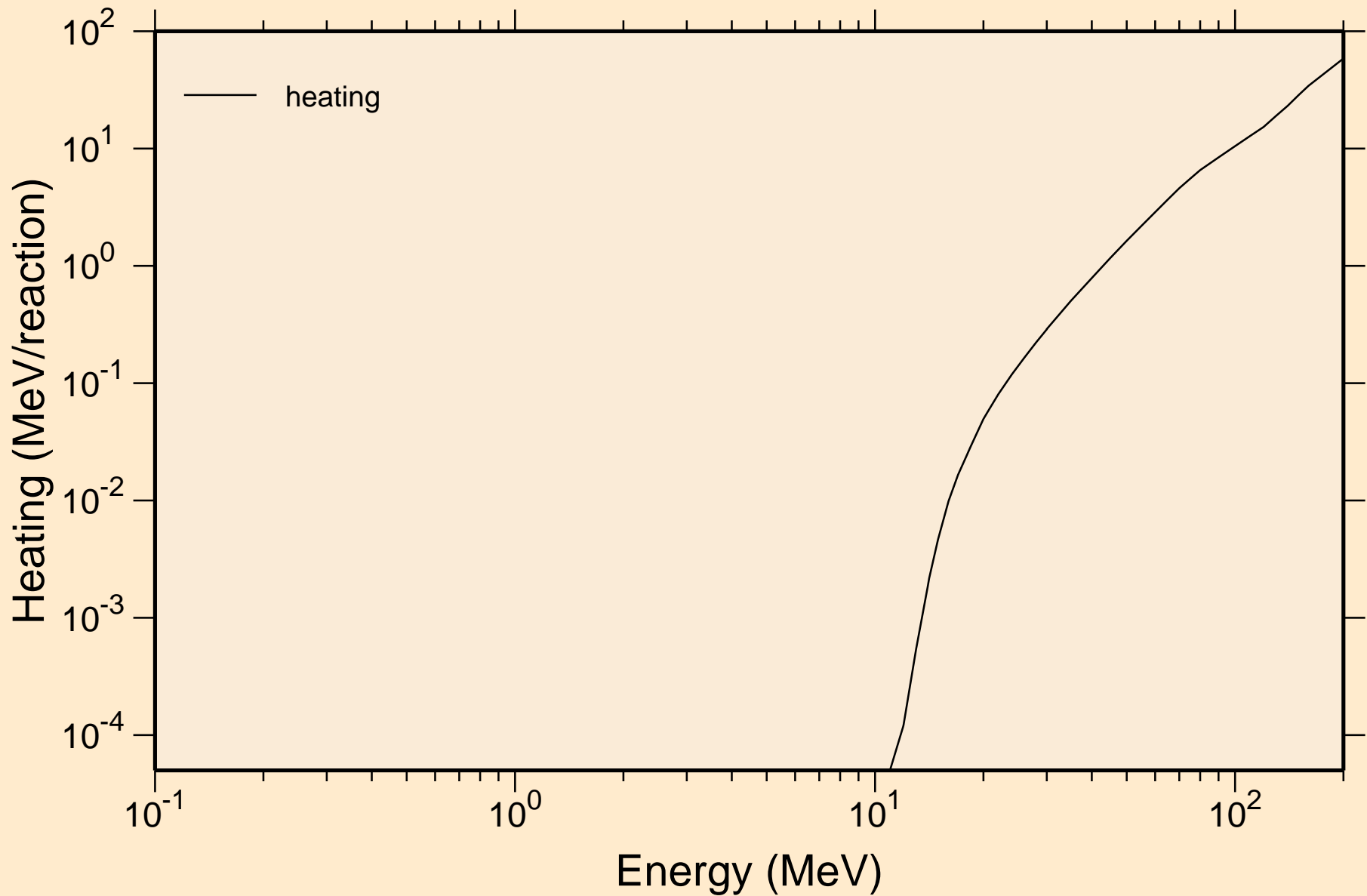
# SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



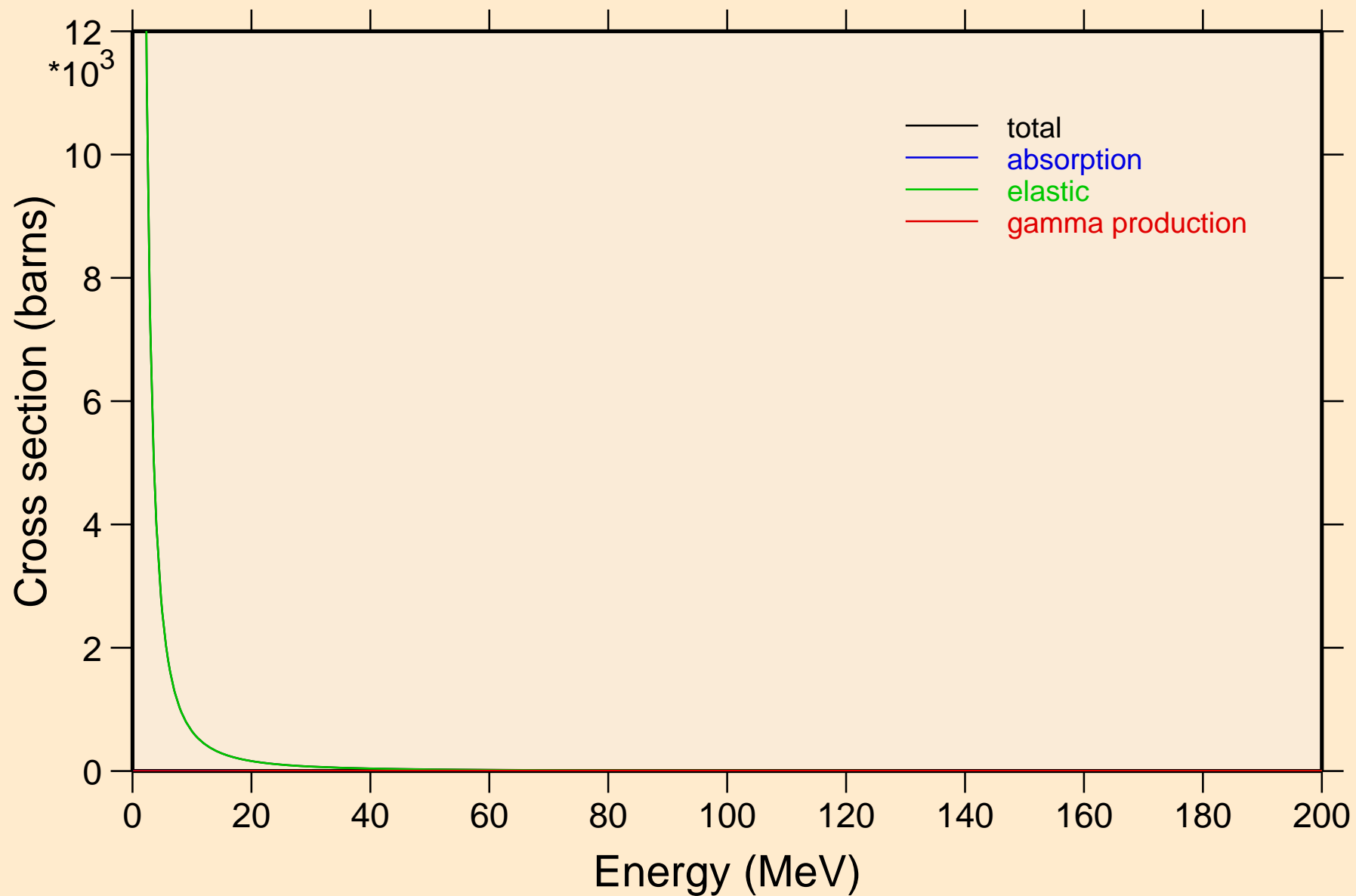
# SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Heating



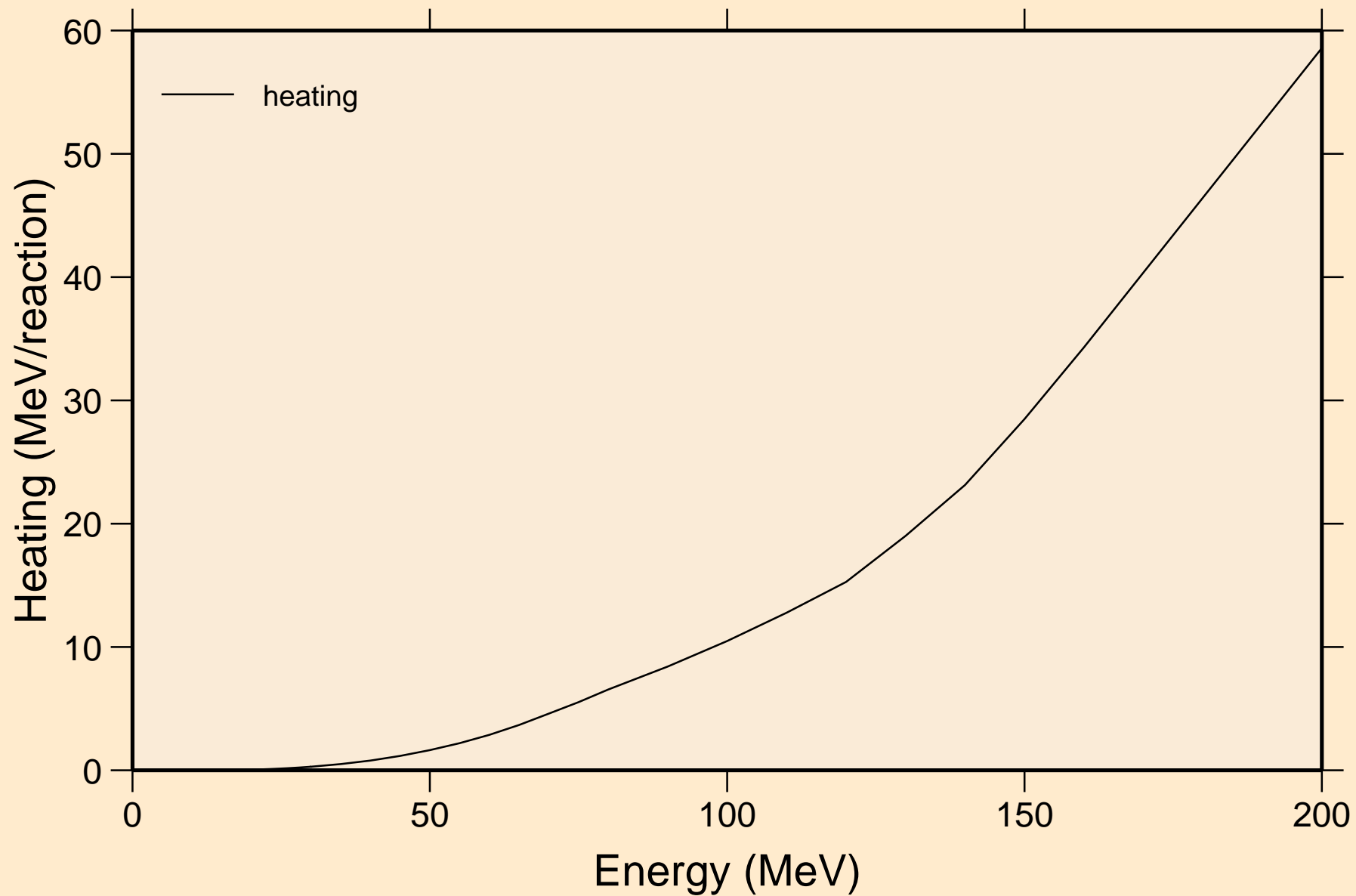
# SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



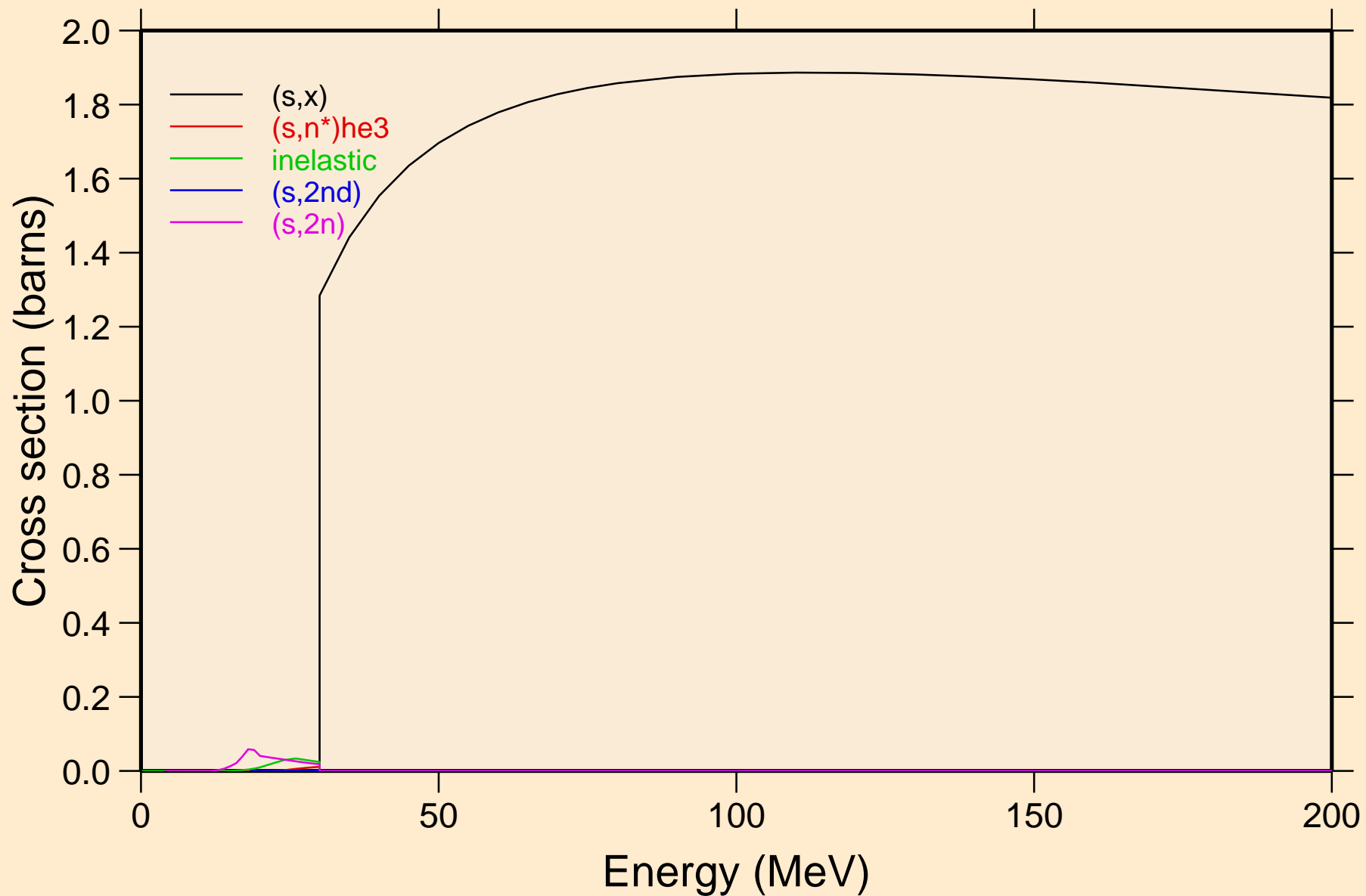
# SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Heating



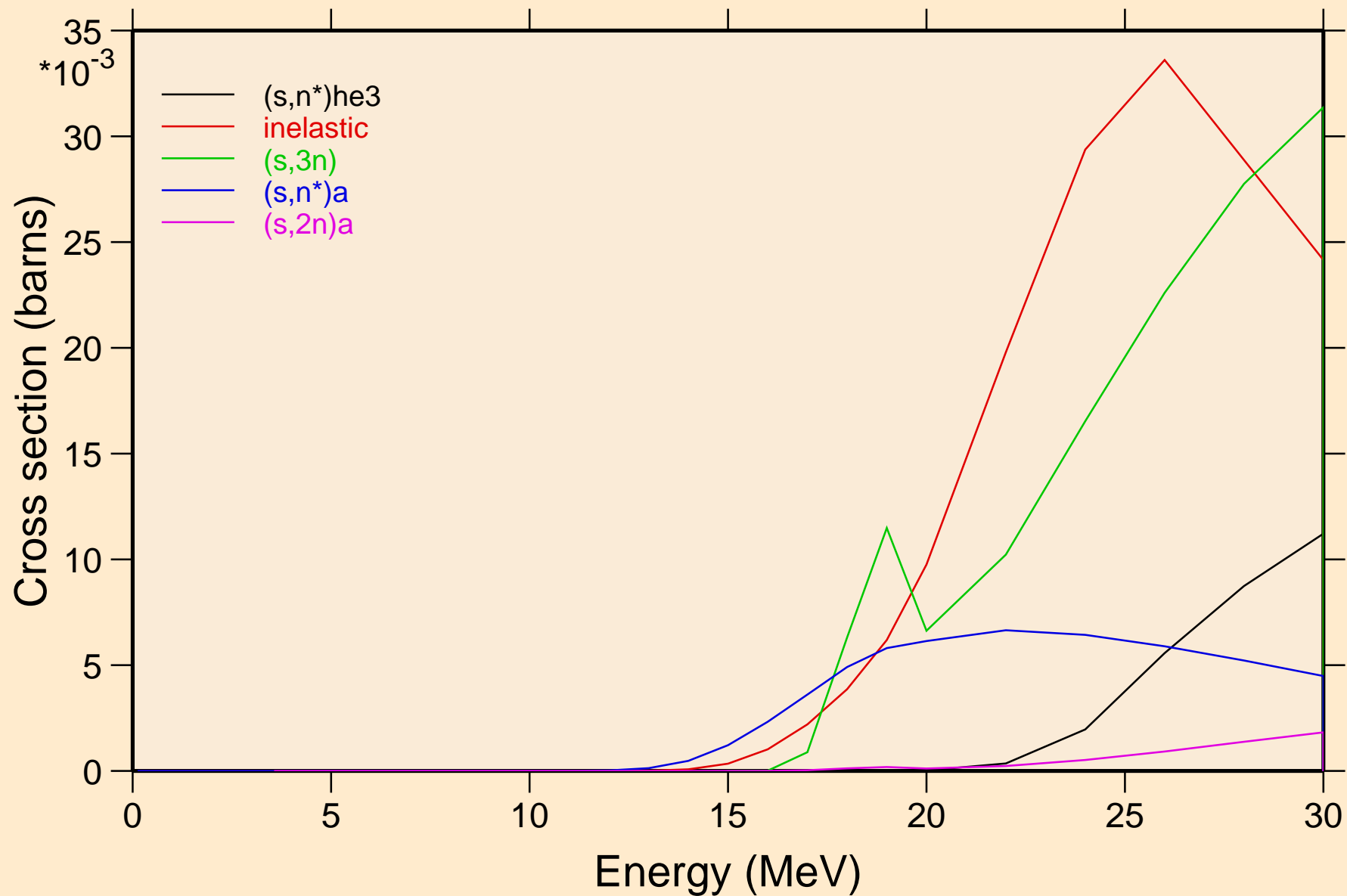
# SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



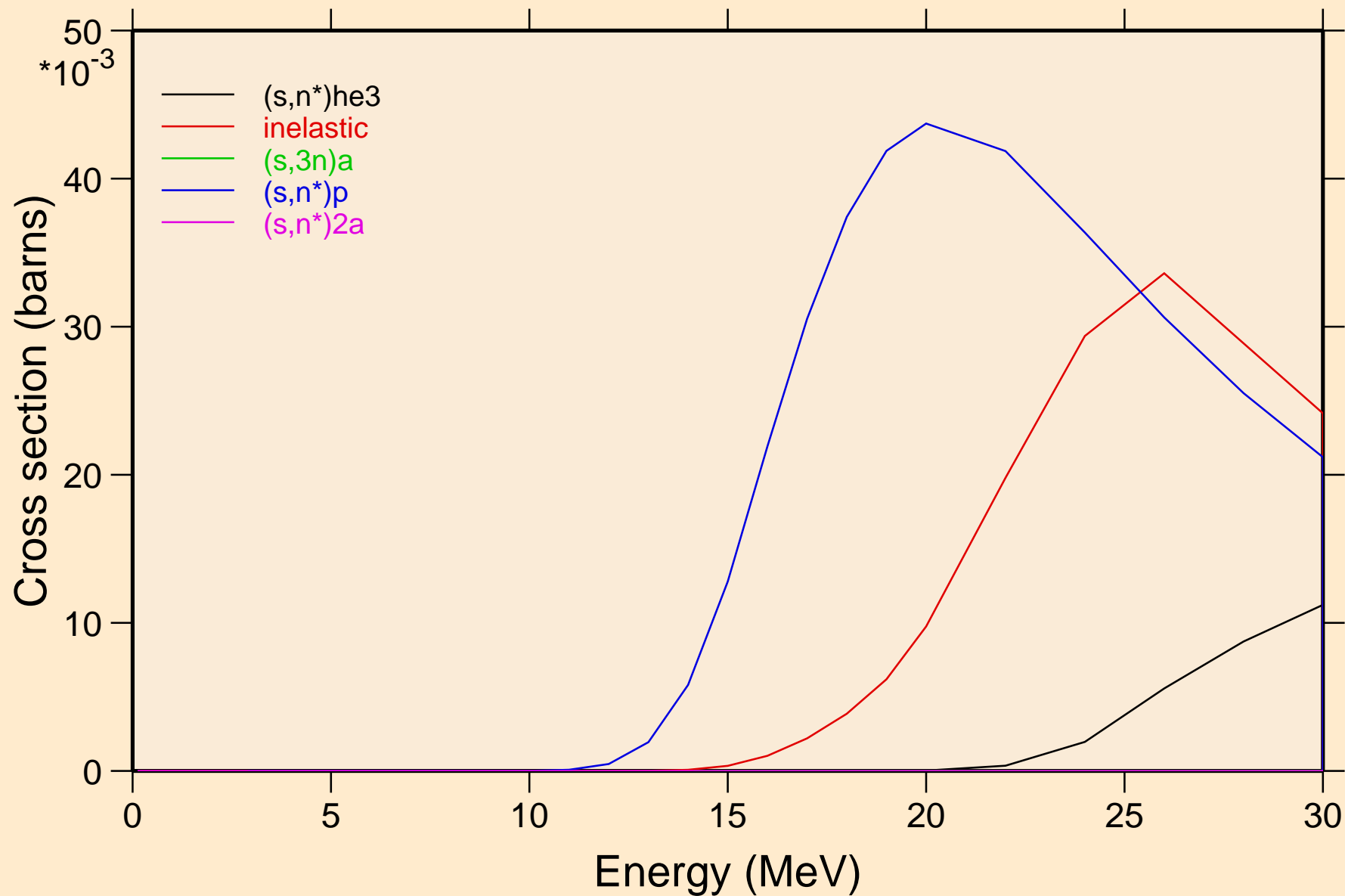
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## Threshold reactions



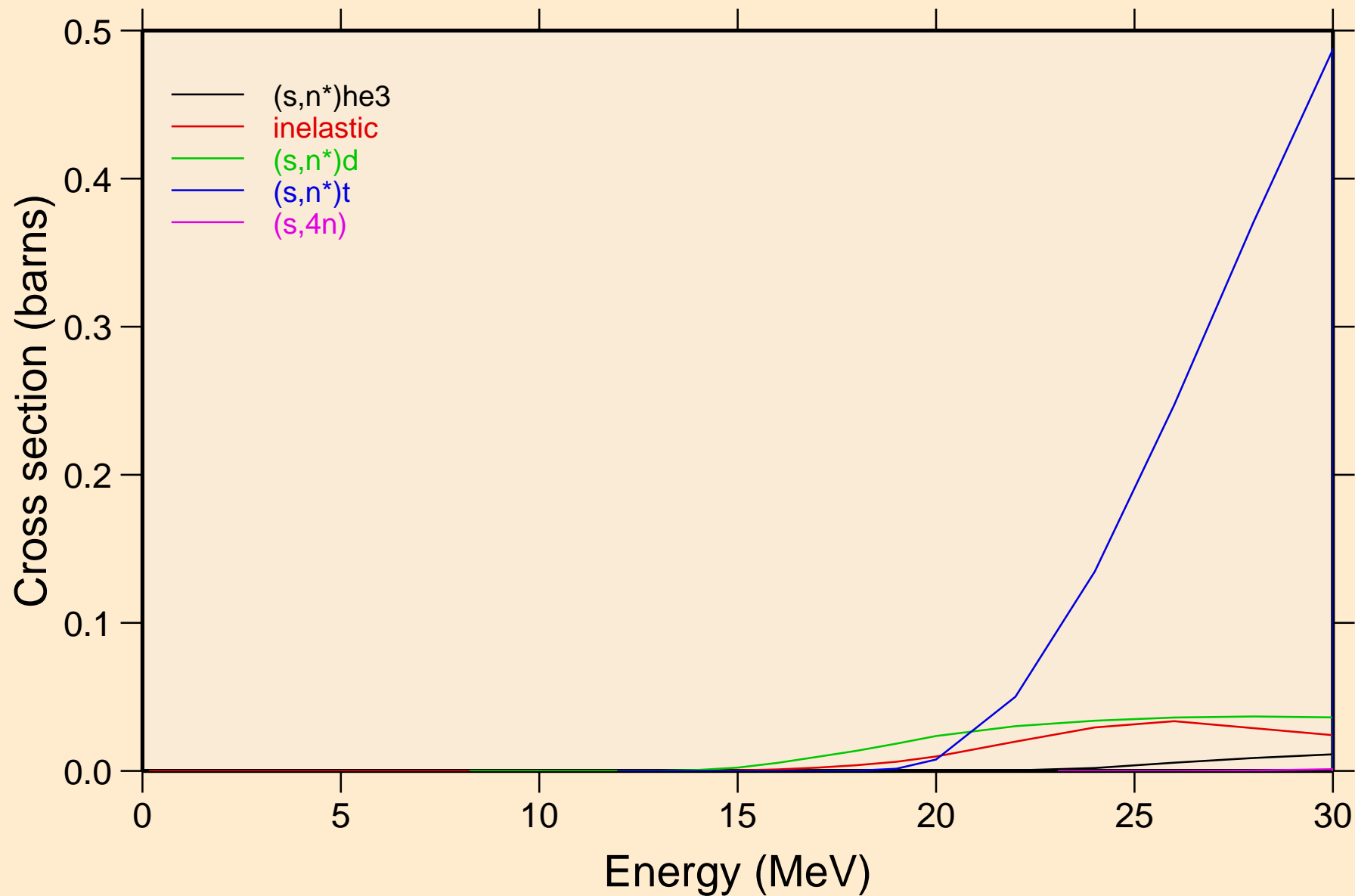
# SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



# SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K

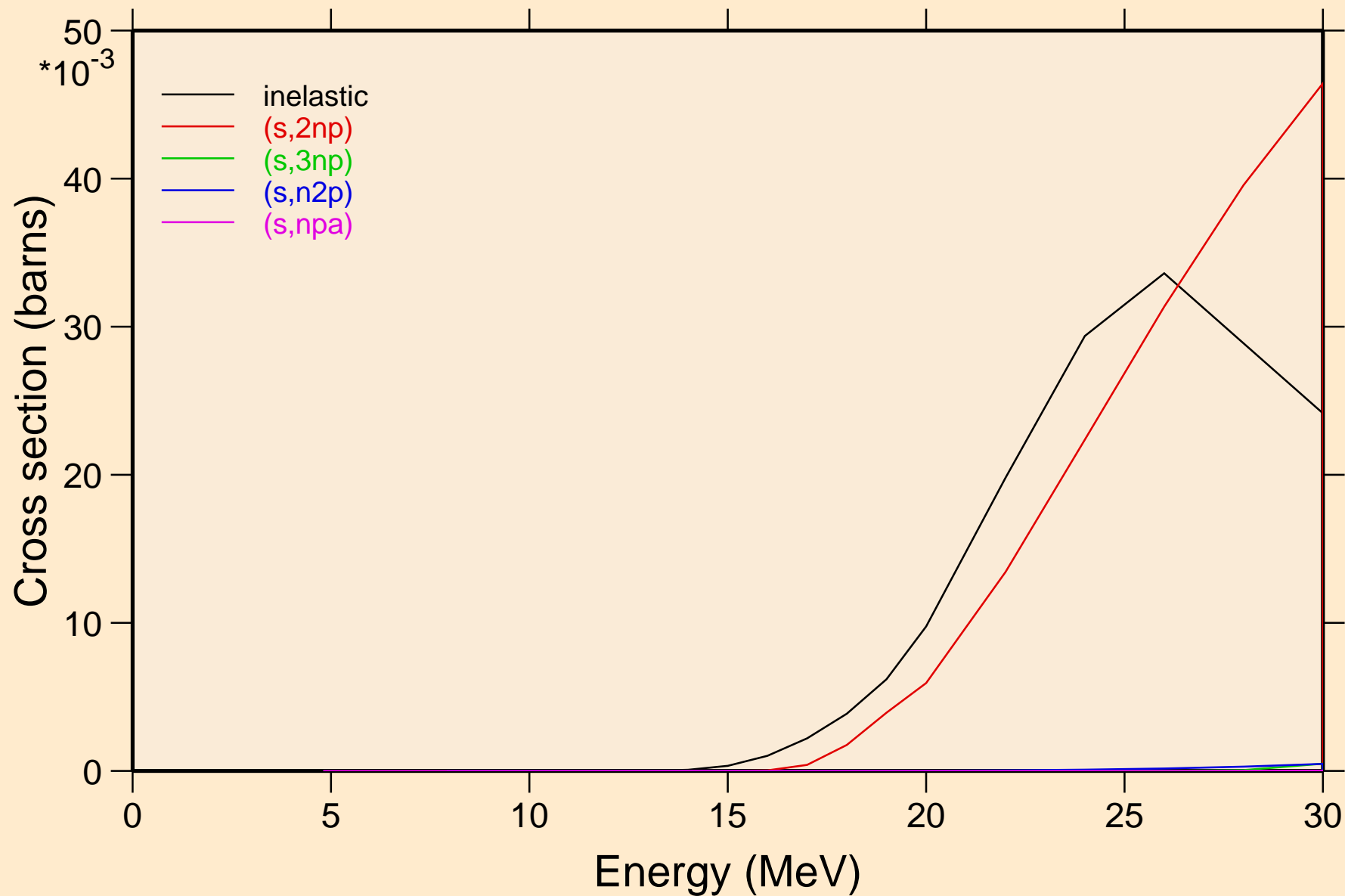
## Threshold reactions



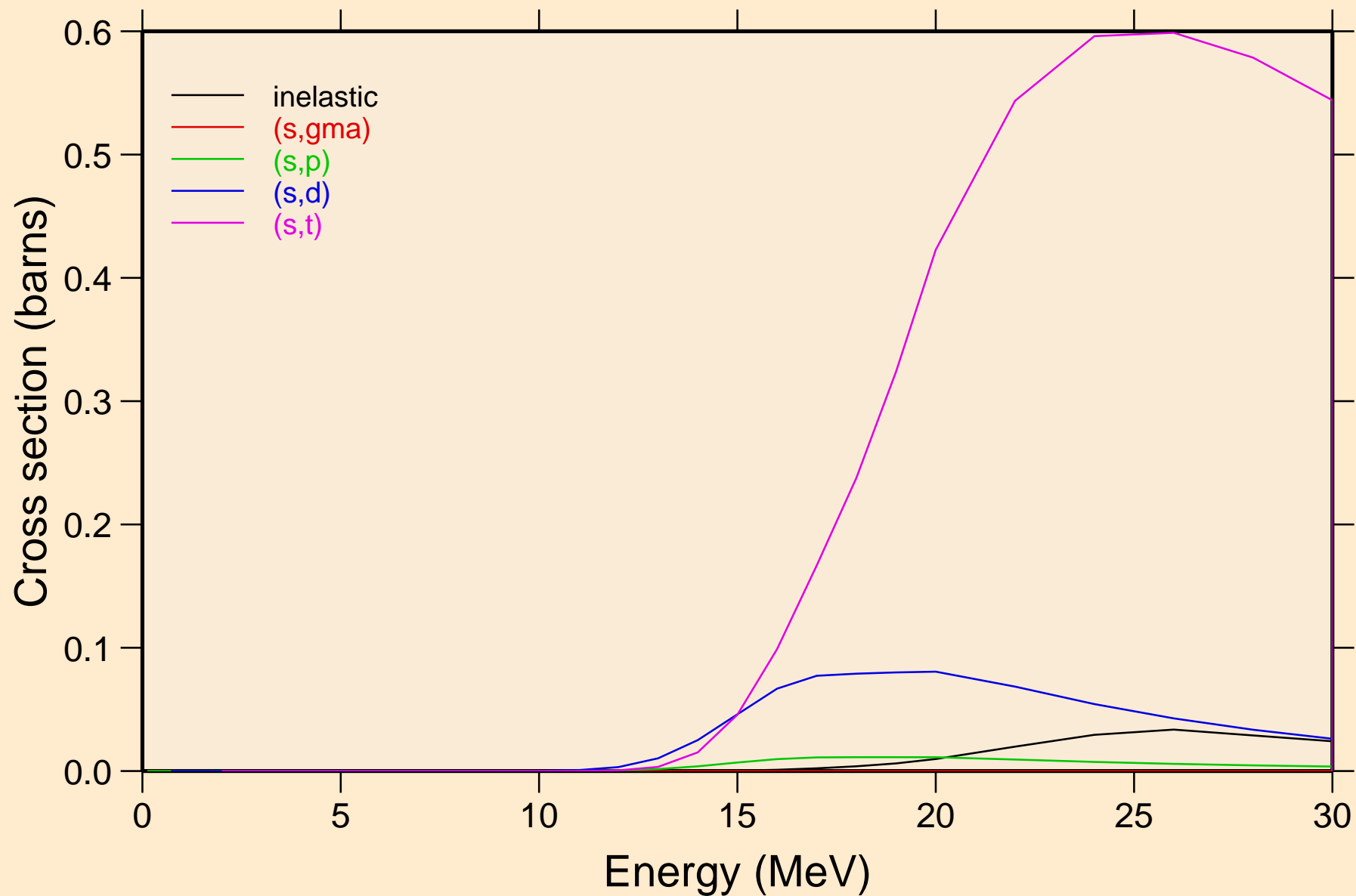


# SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

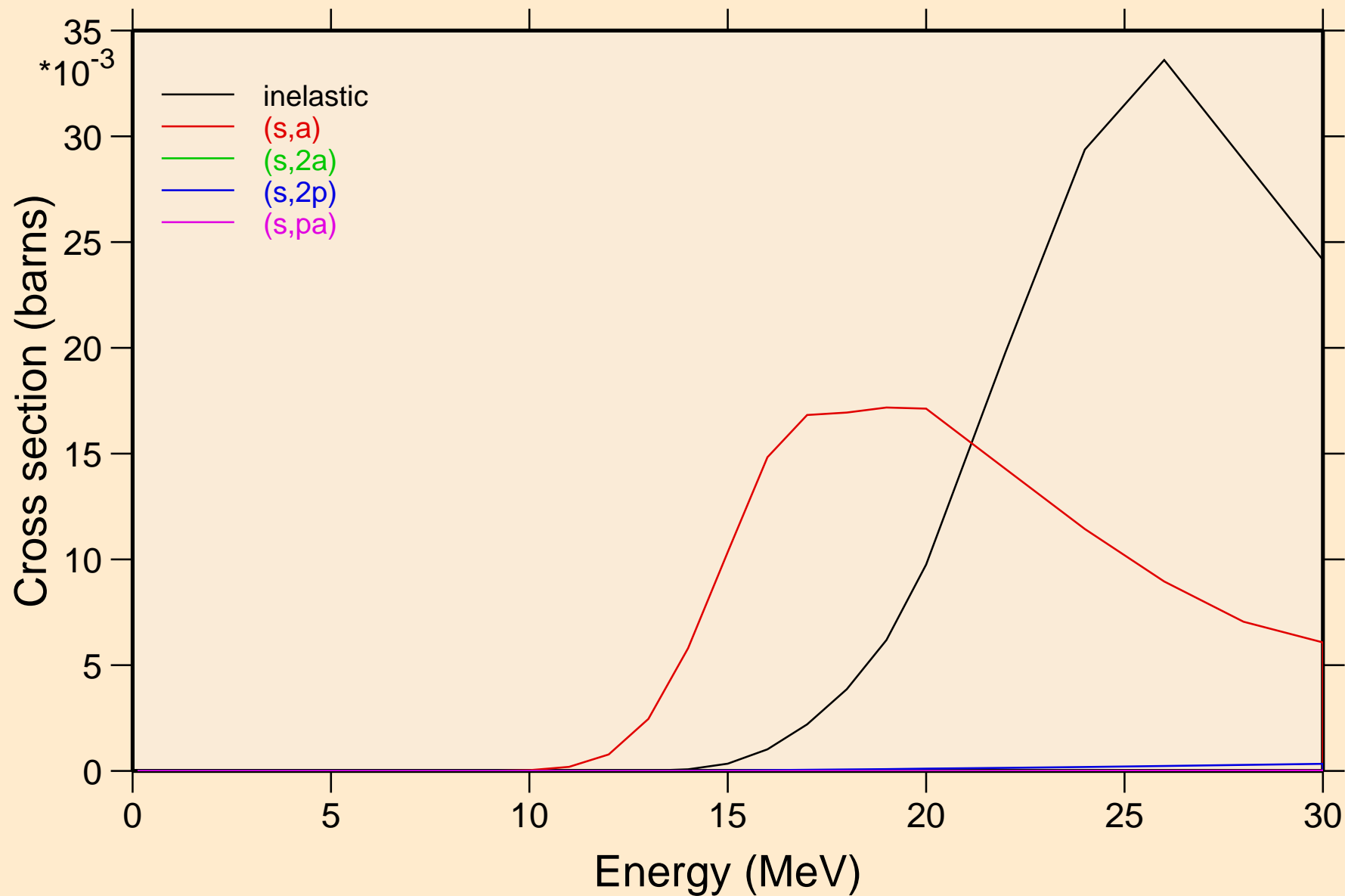


SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

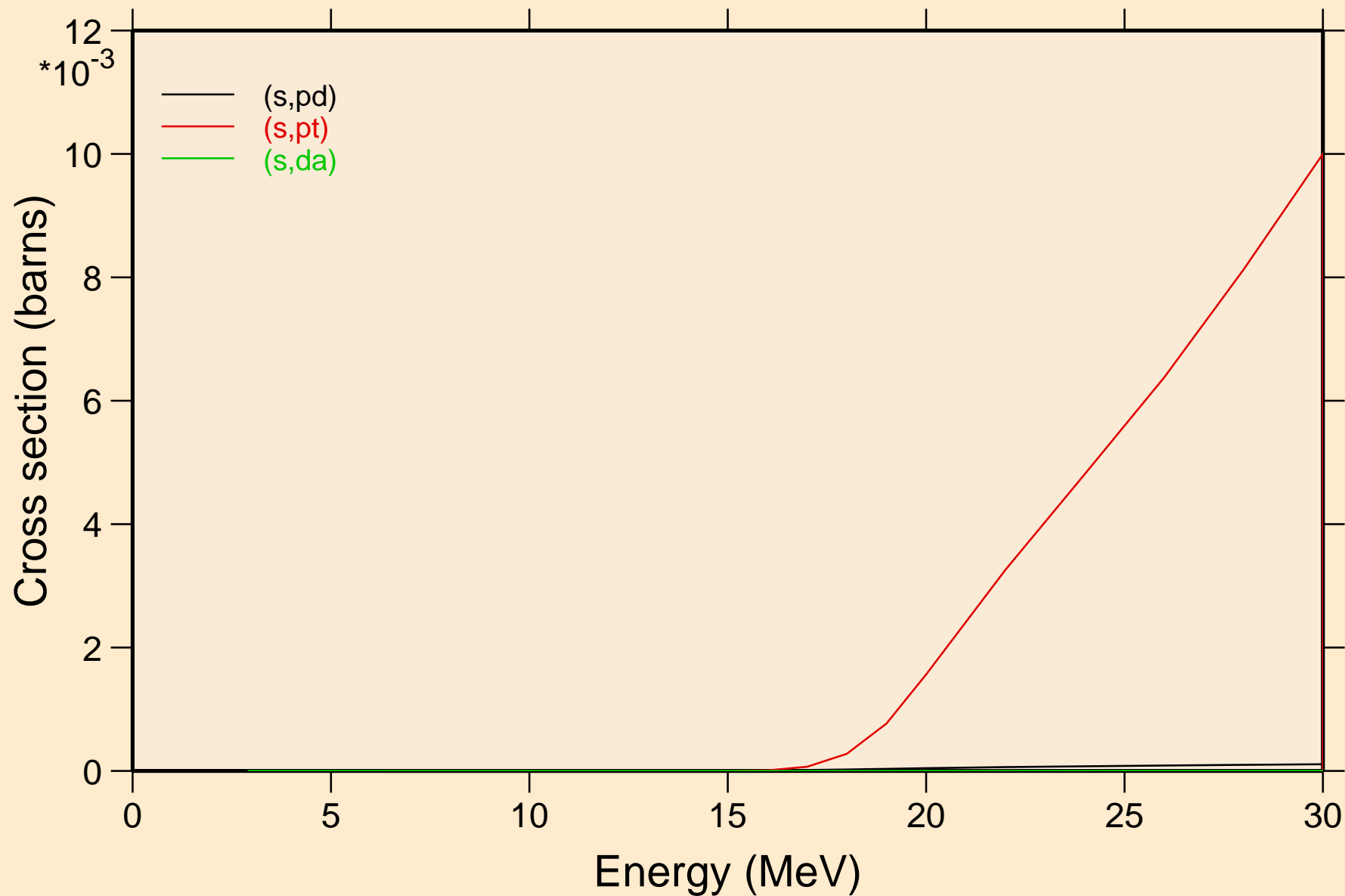


# SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K

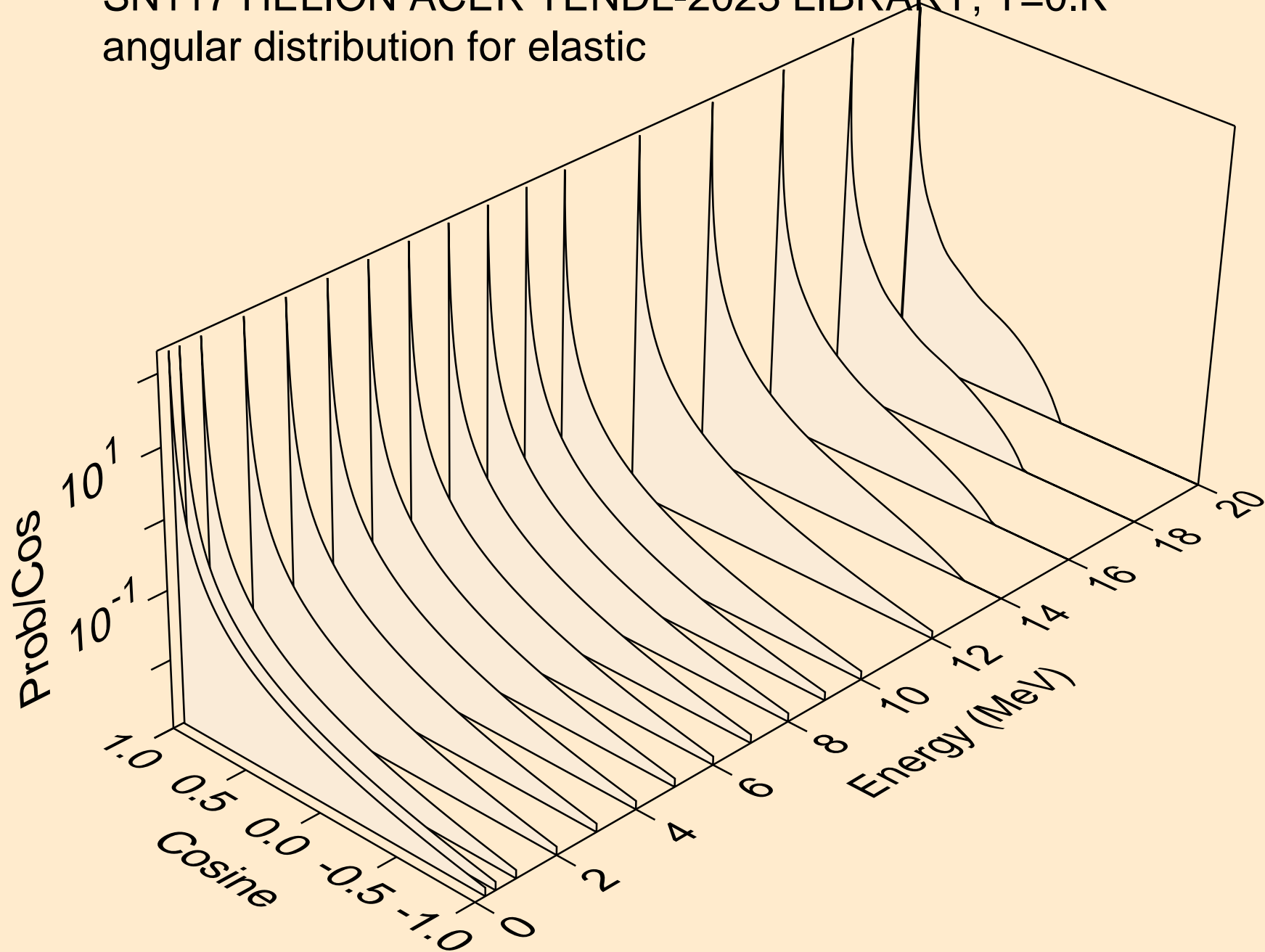
## Threshold reactions



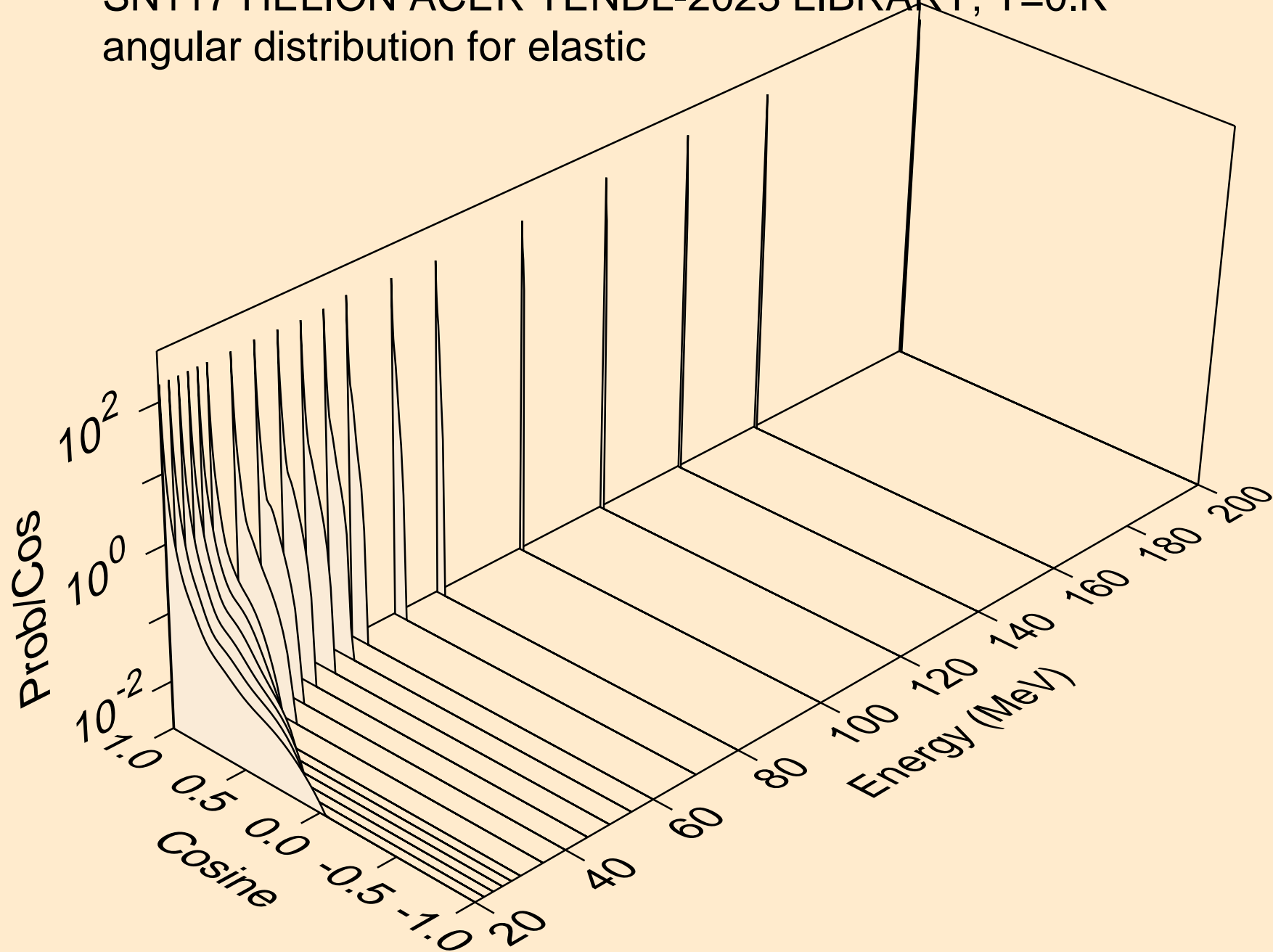
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



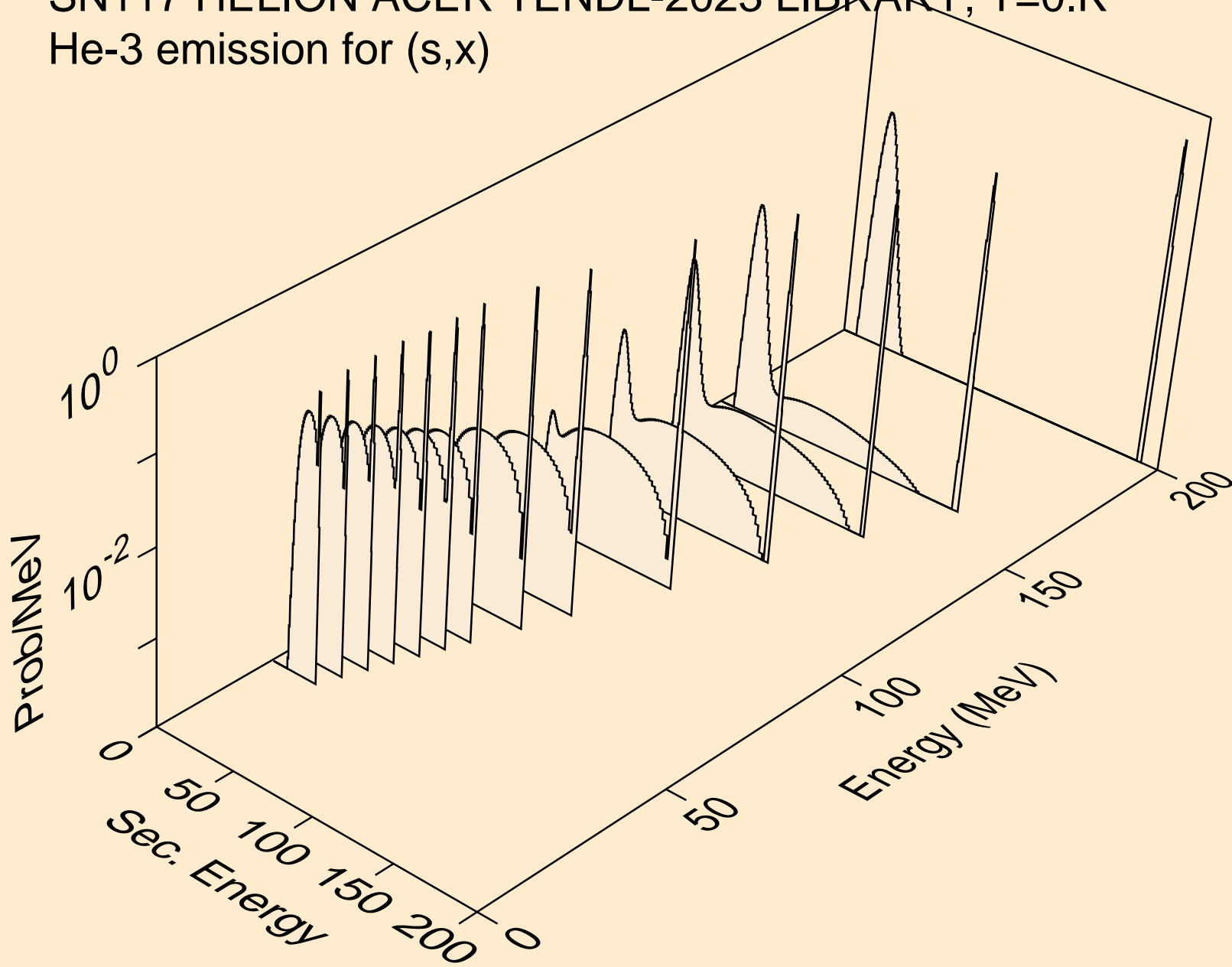
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



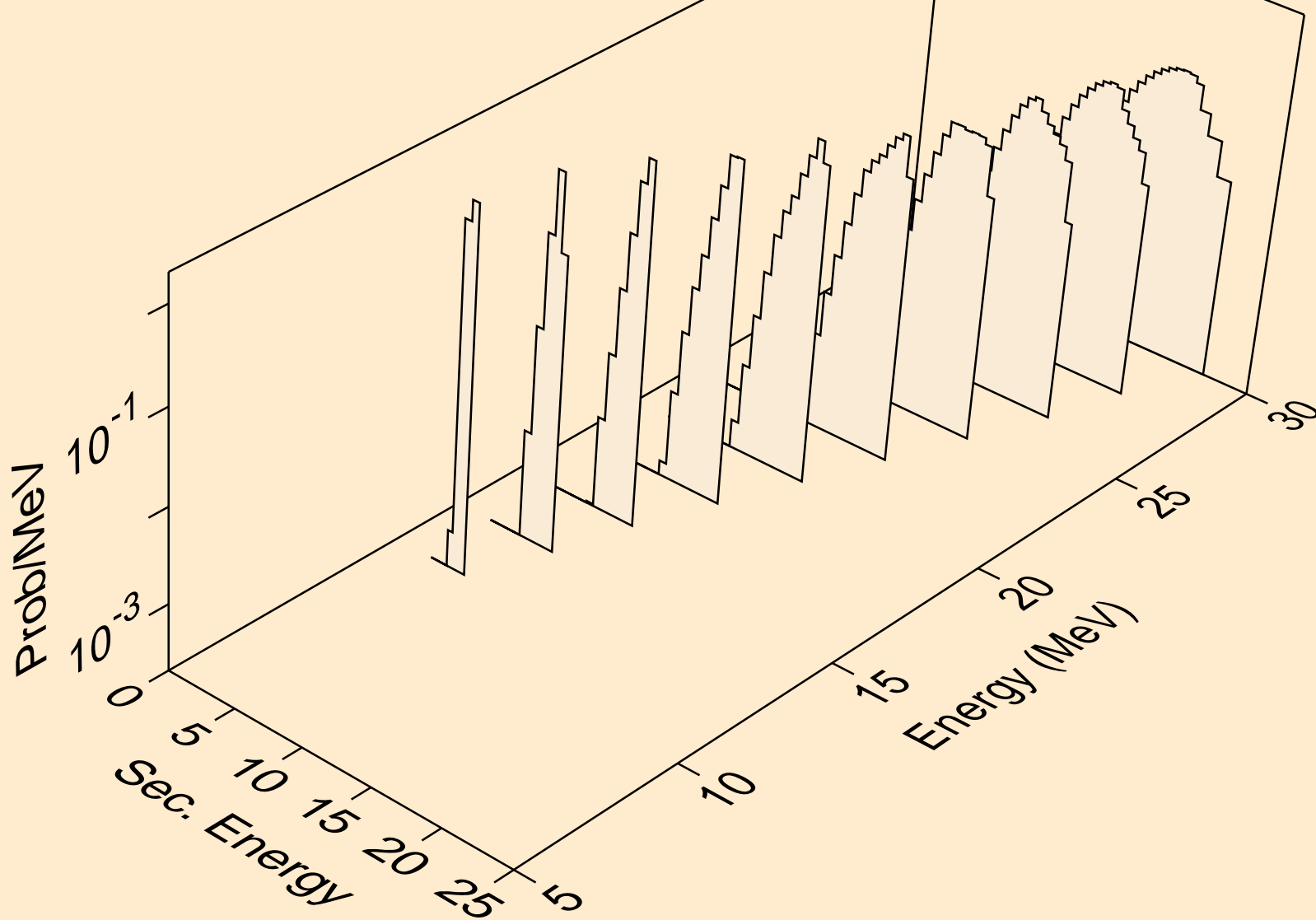
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)

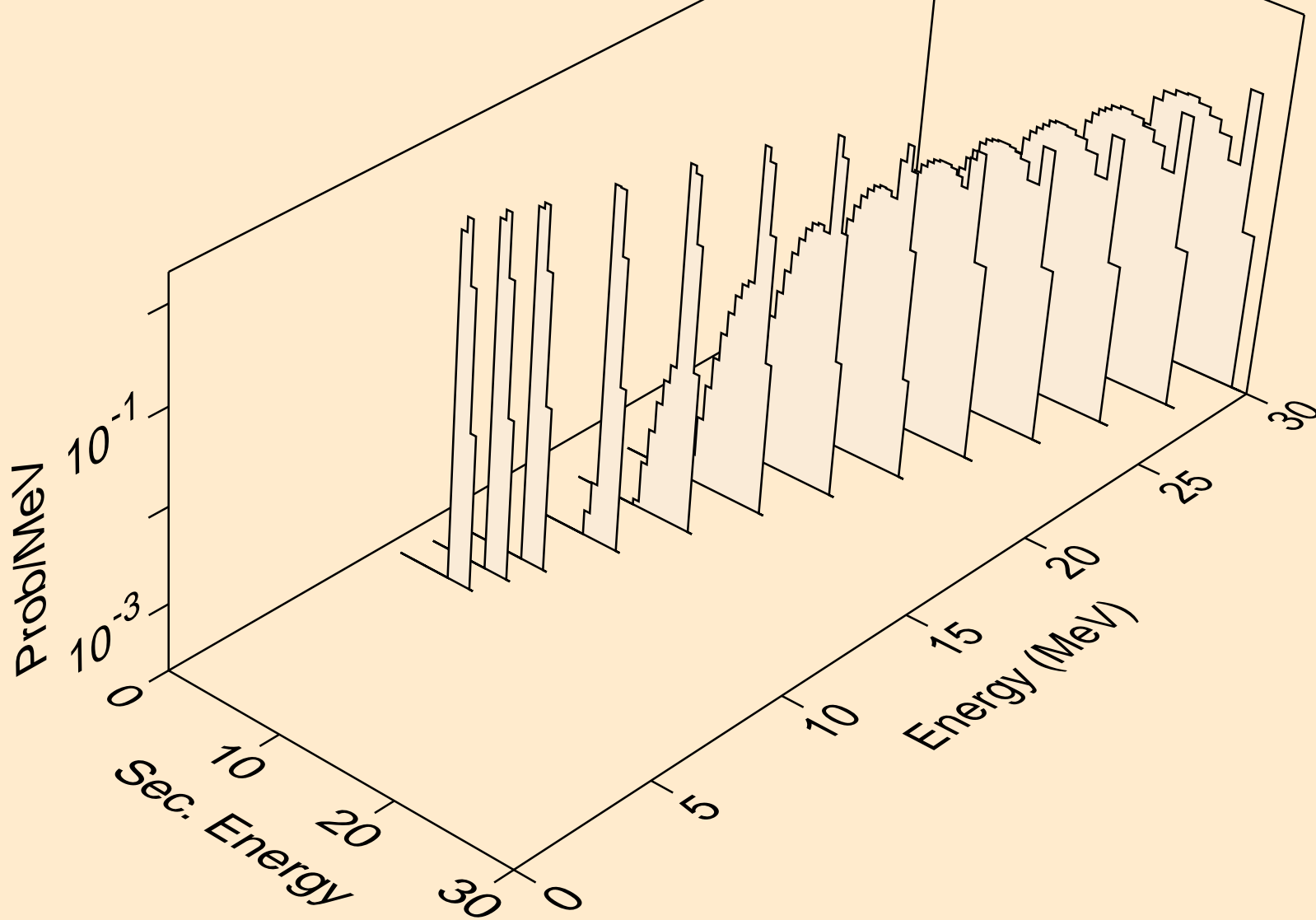


SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

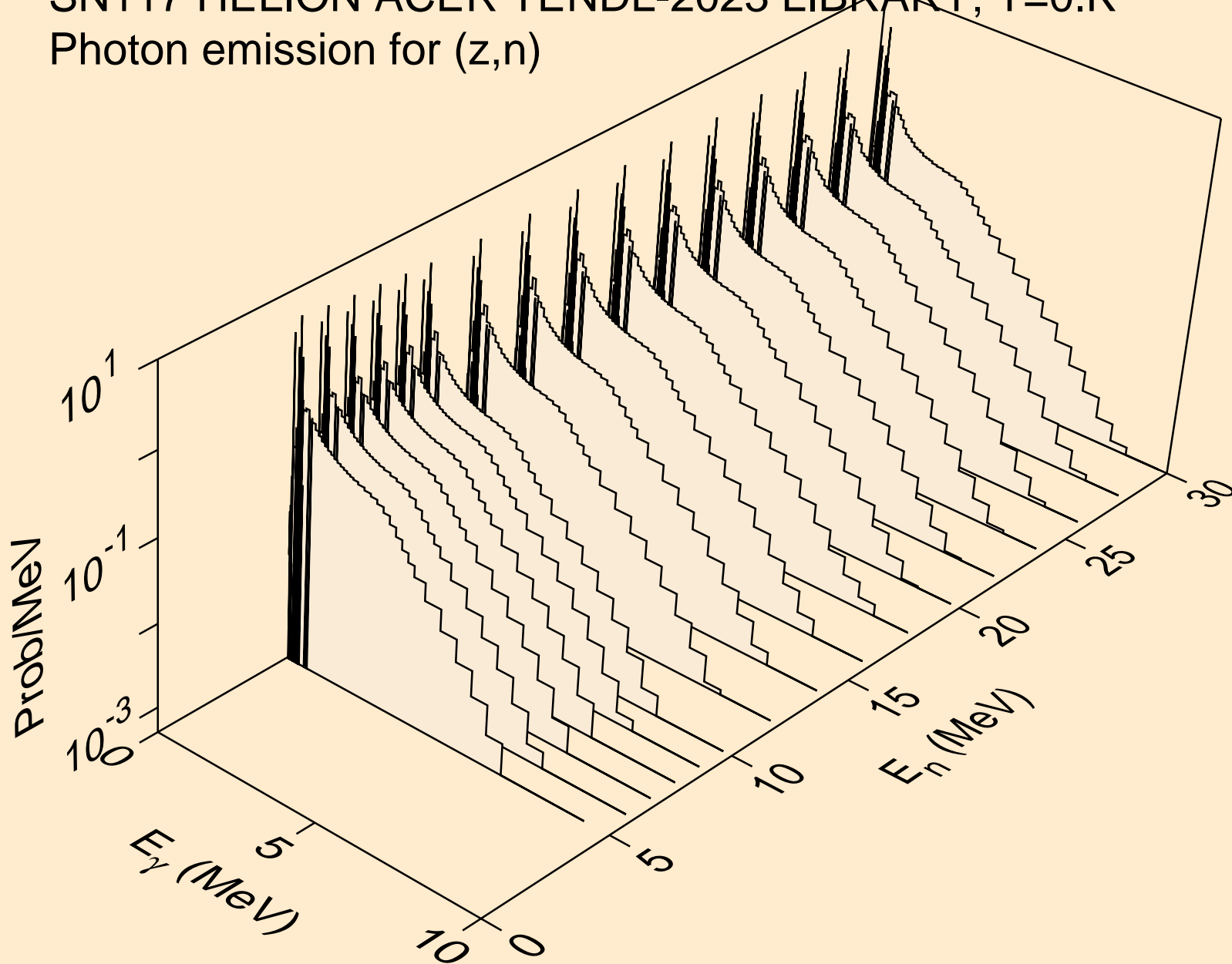




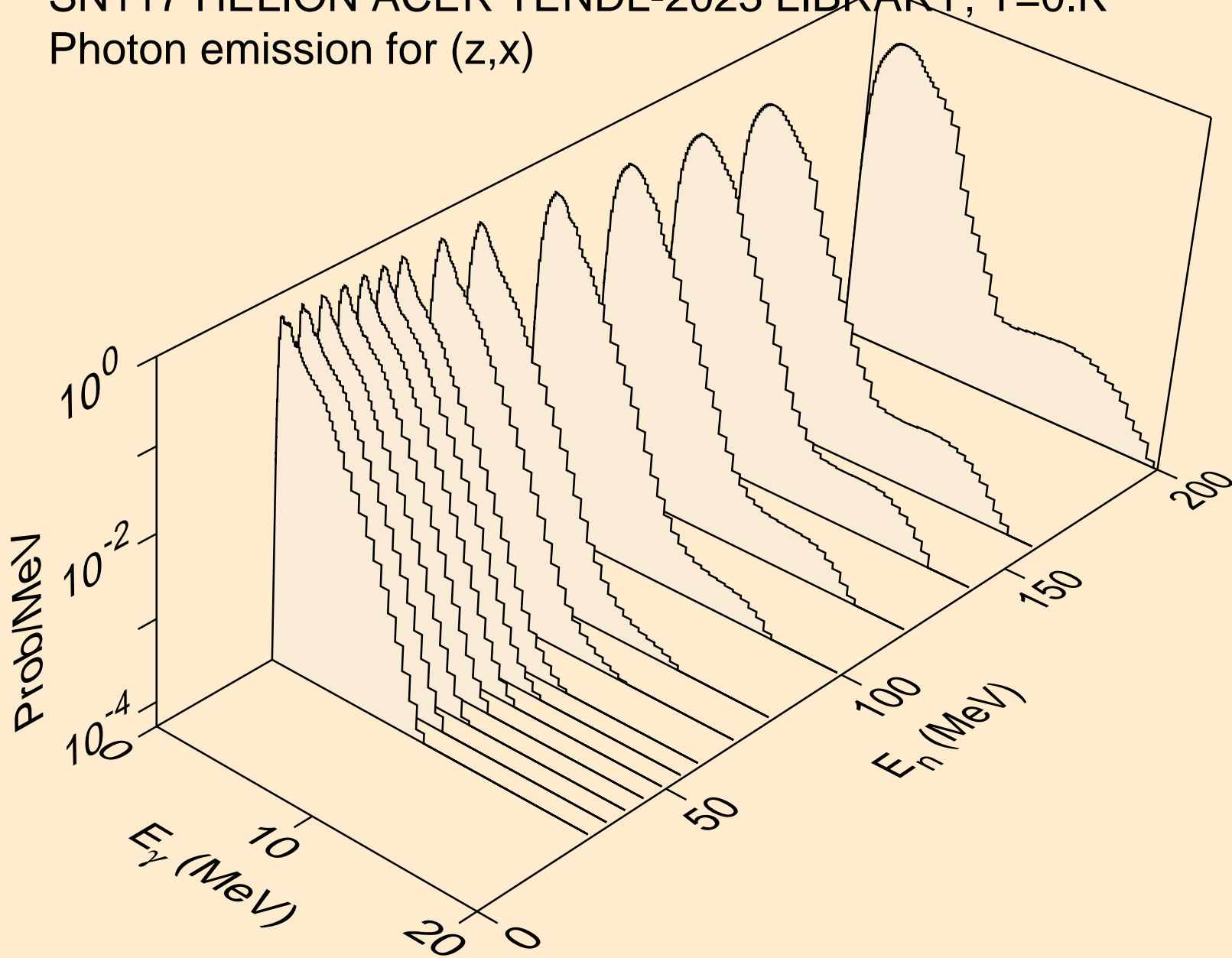
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic



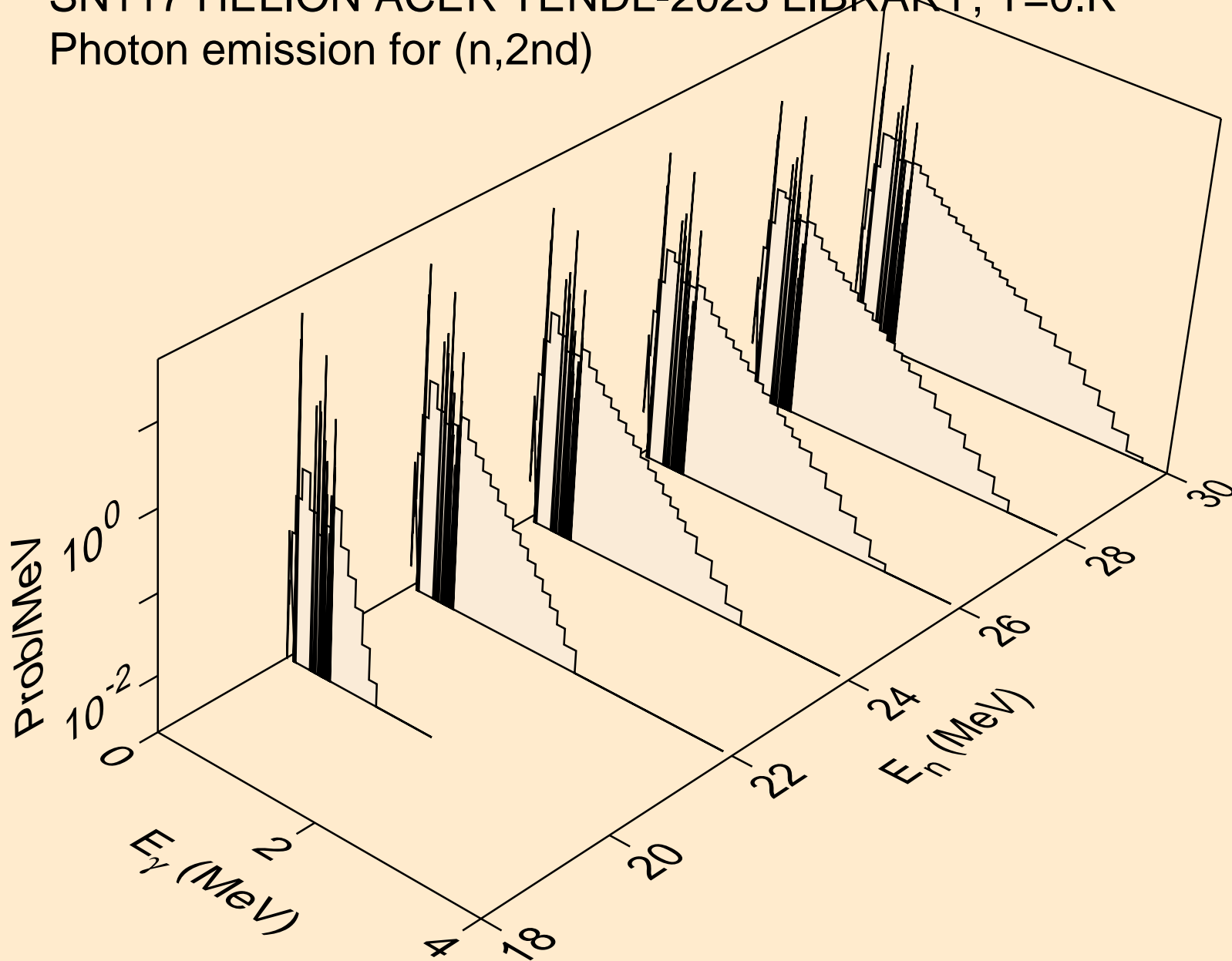
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



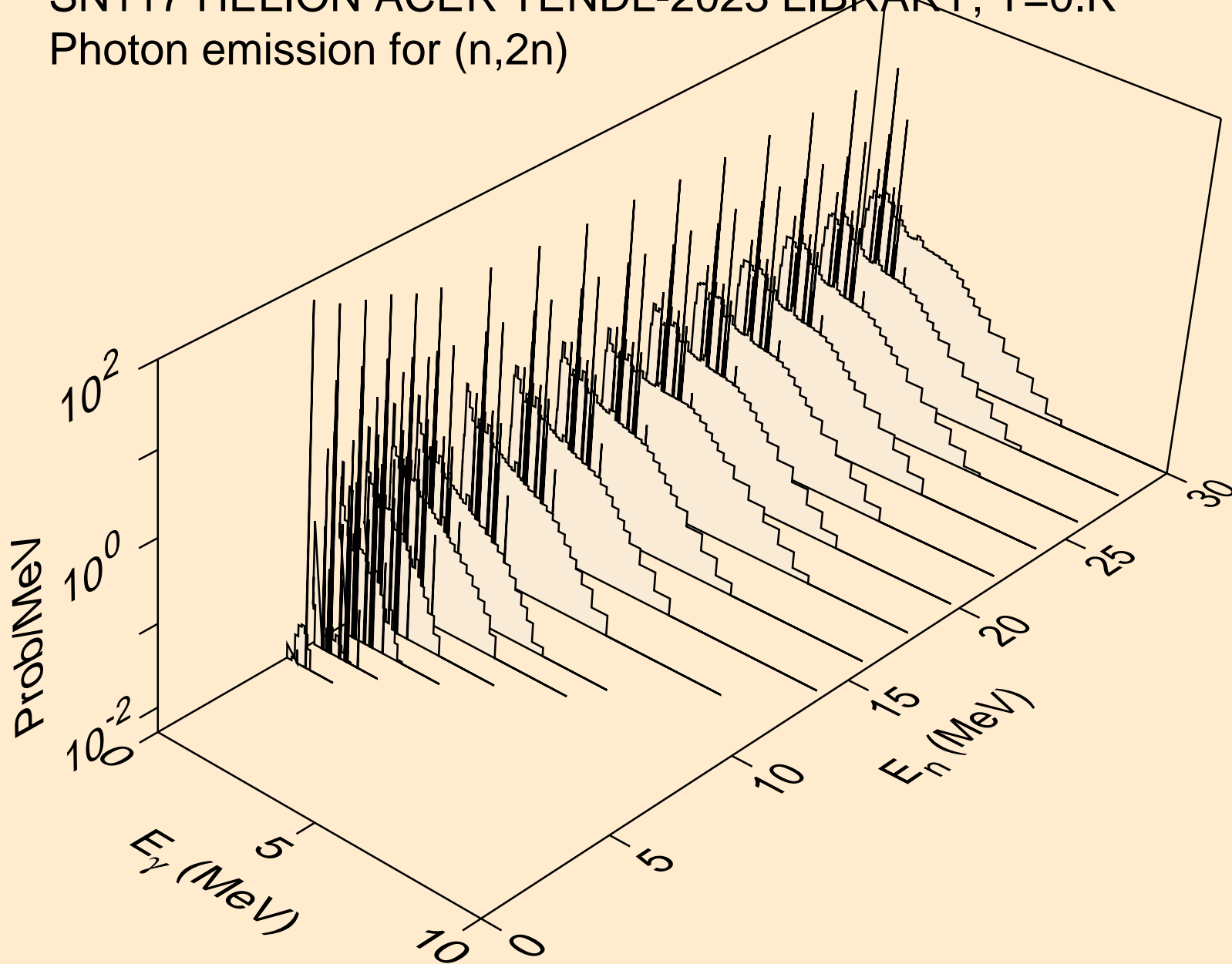
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



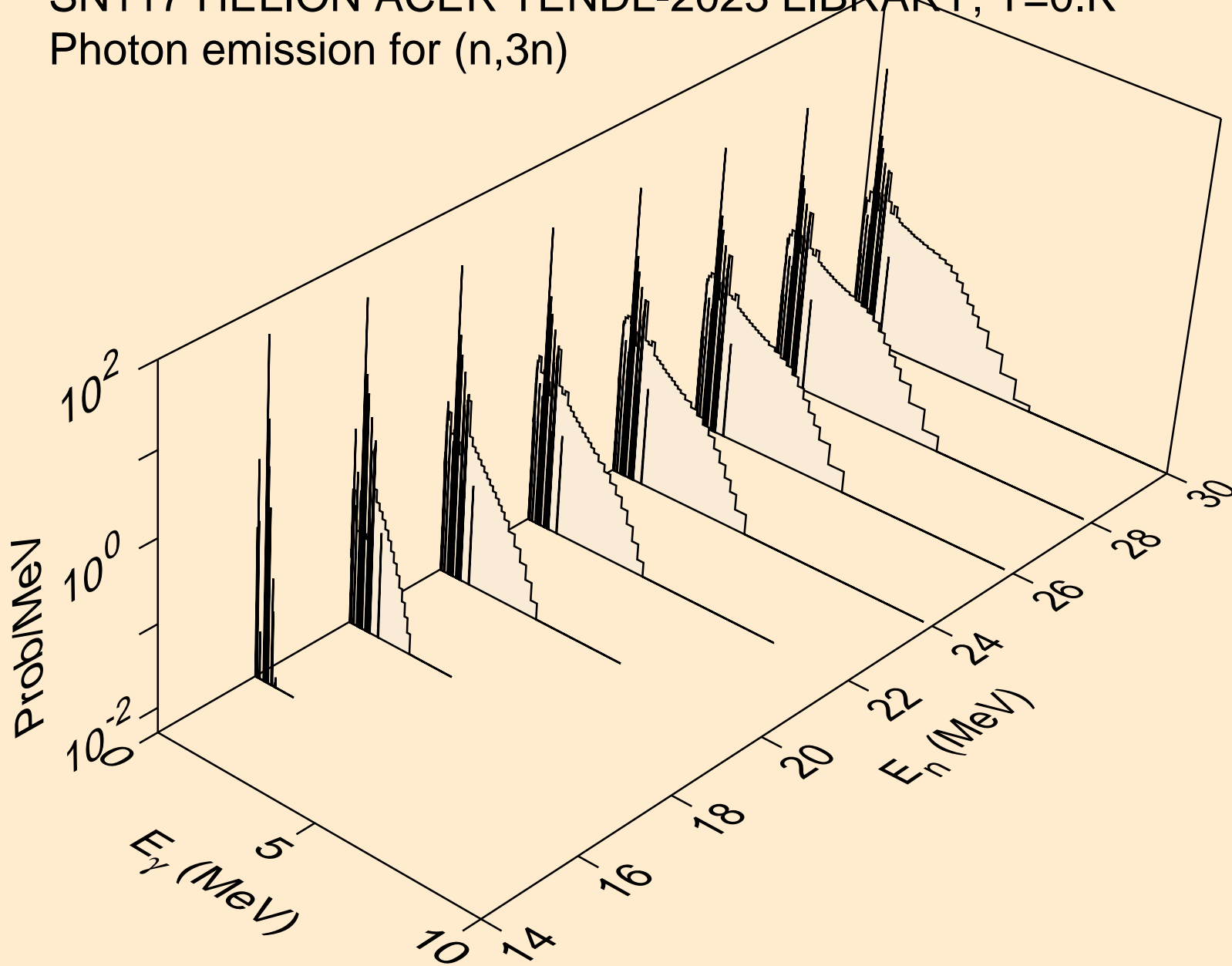
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



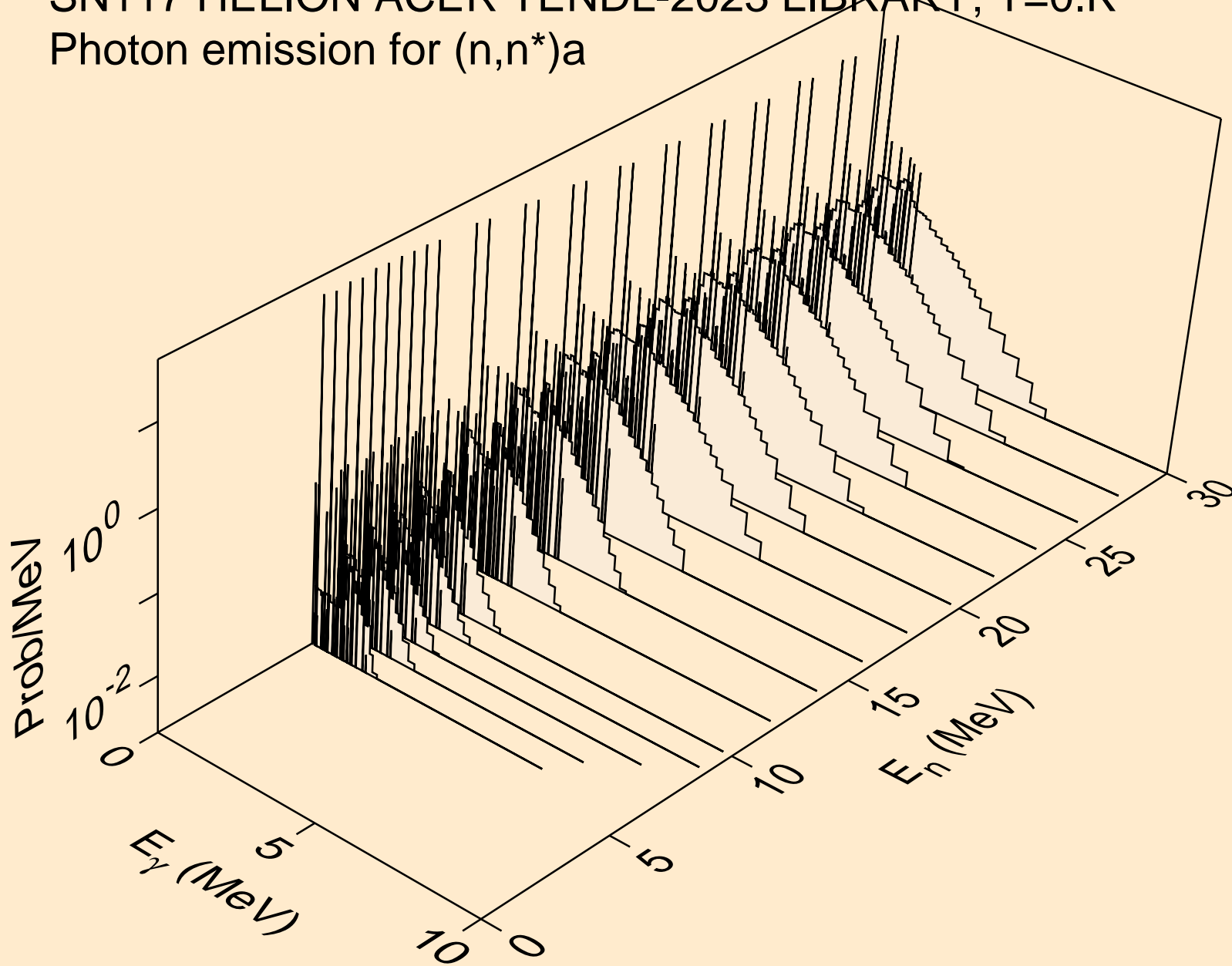
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



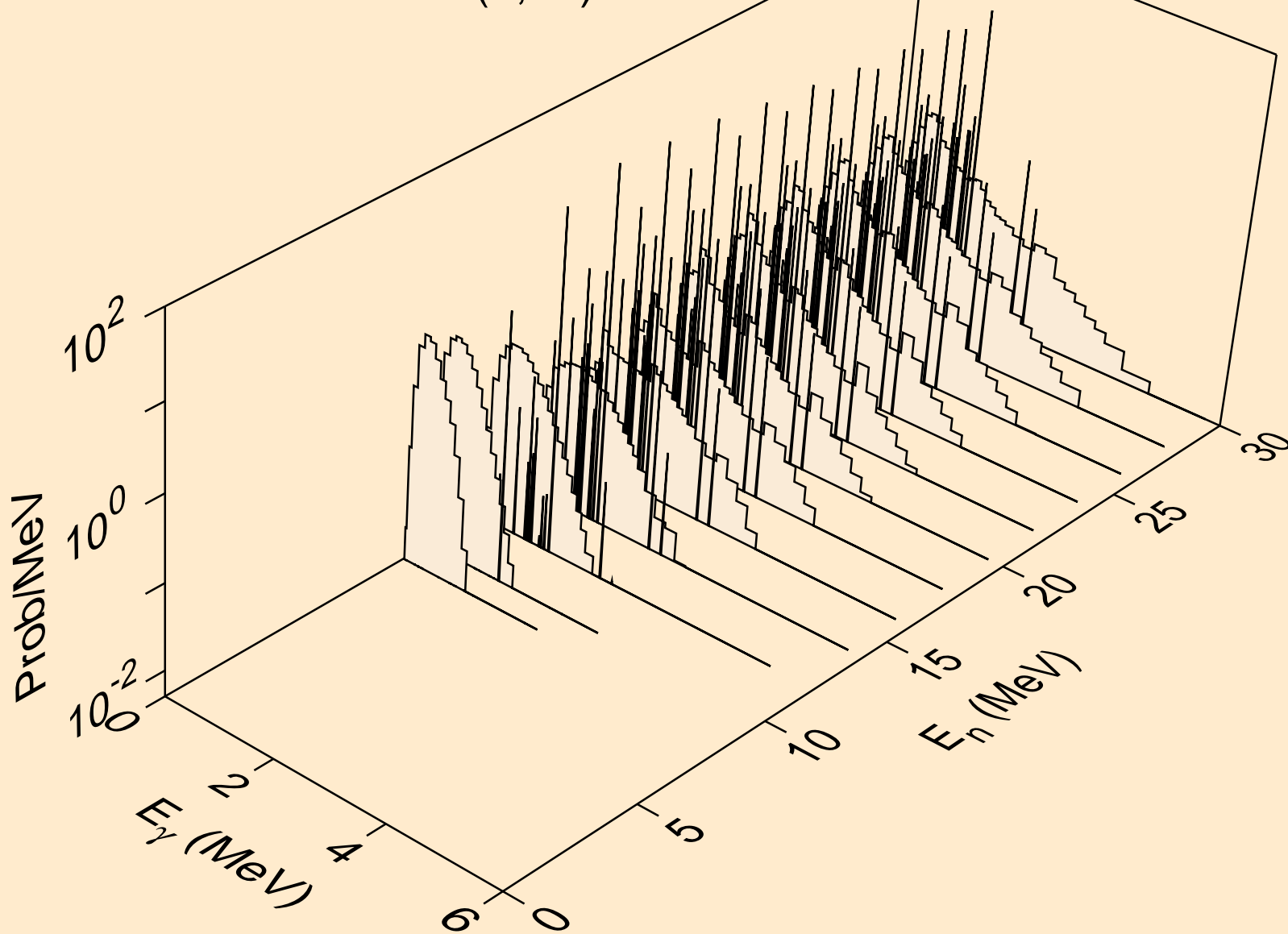
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

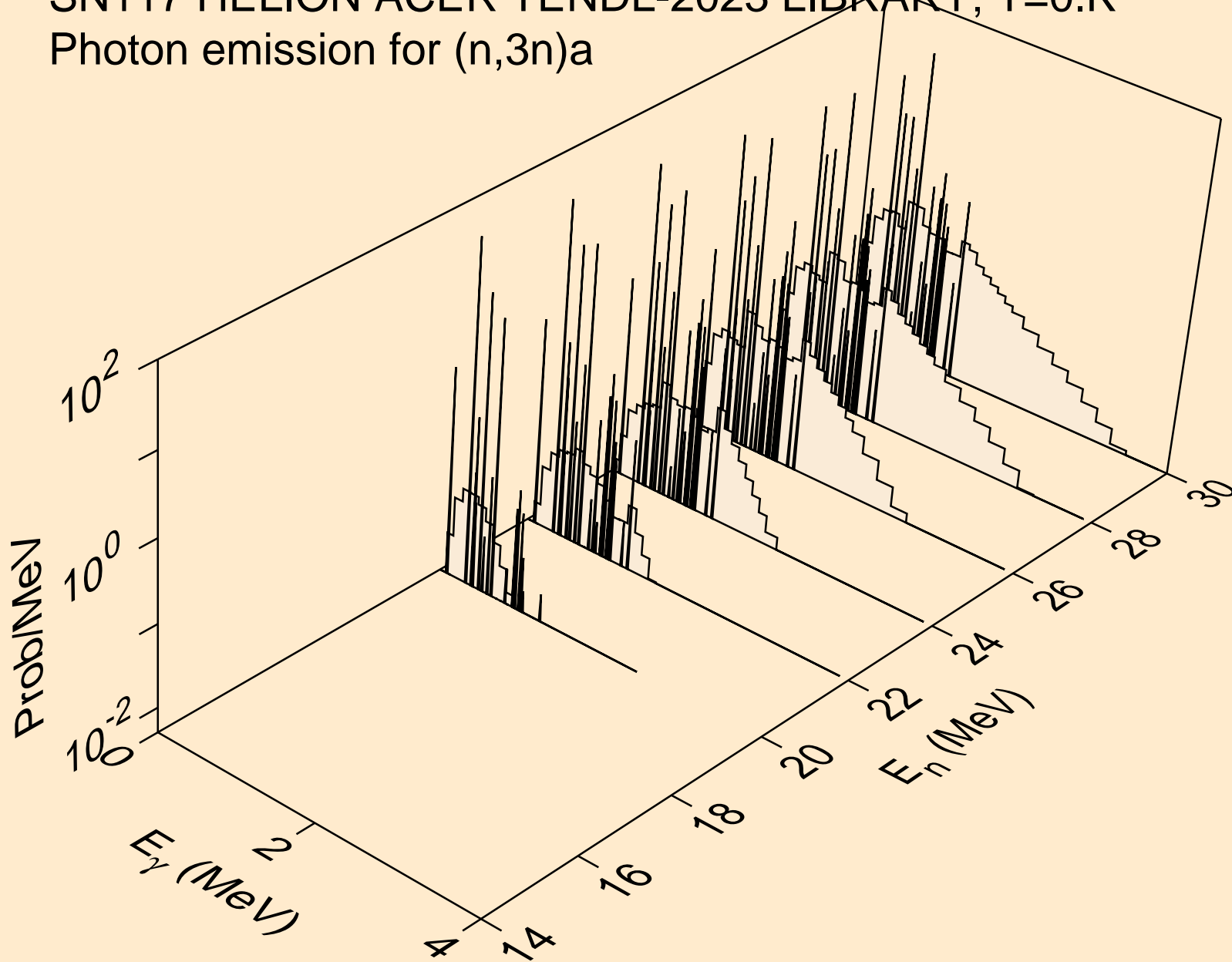


SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

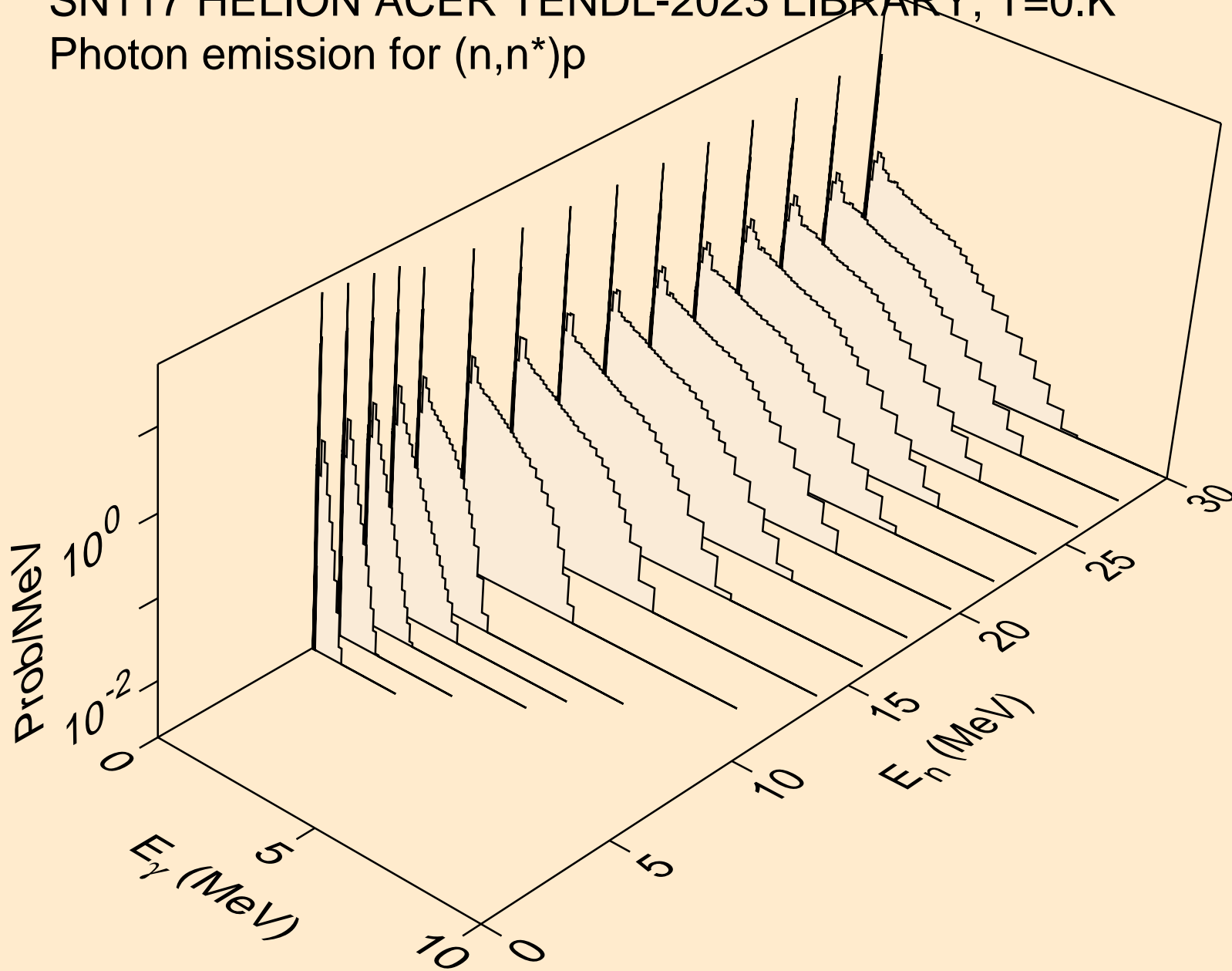




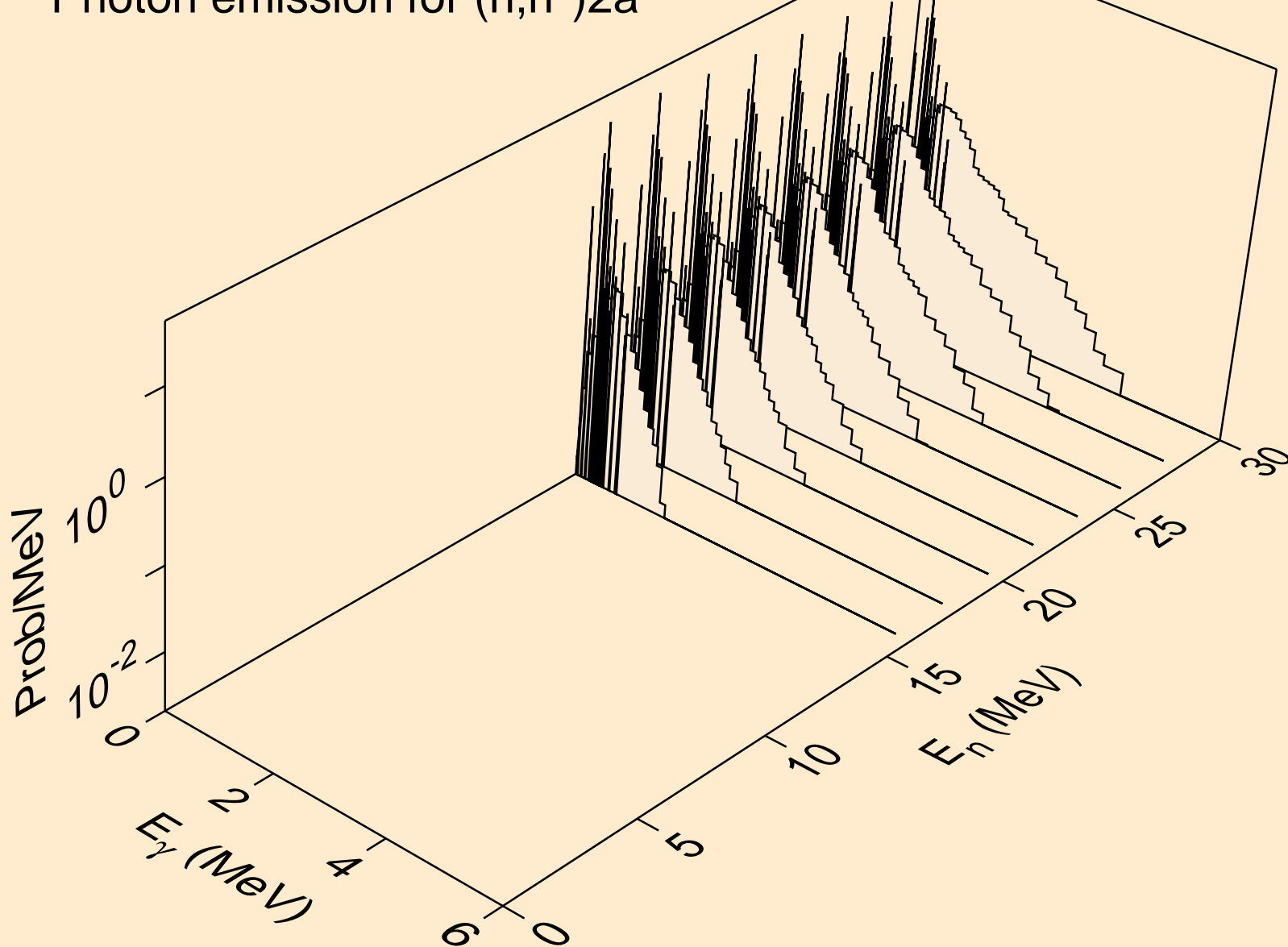
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



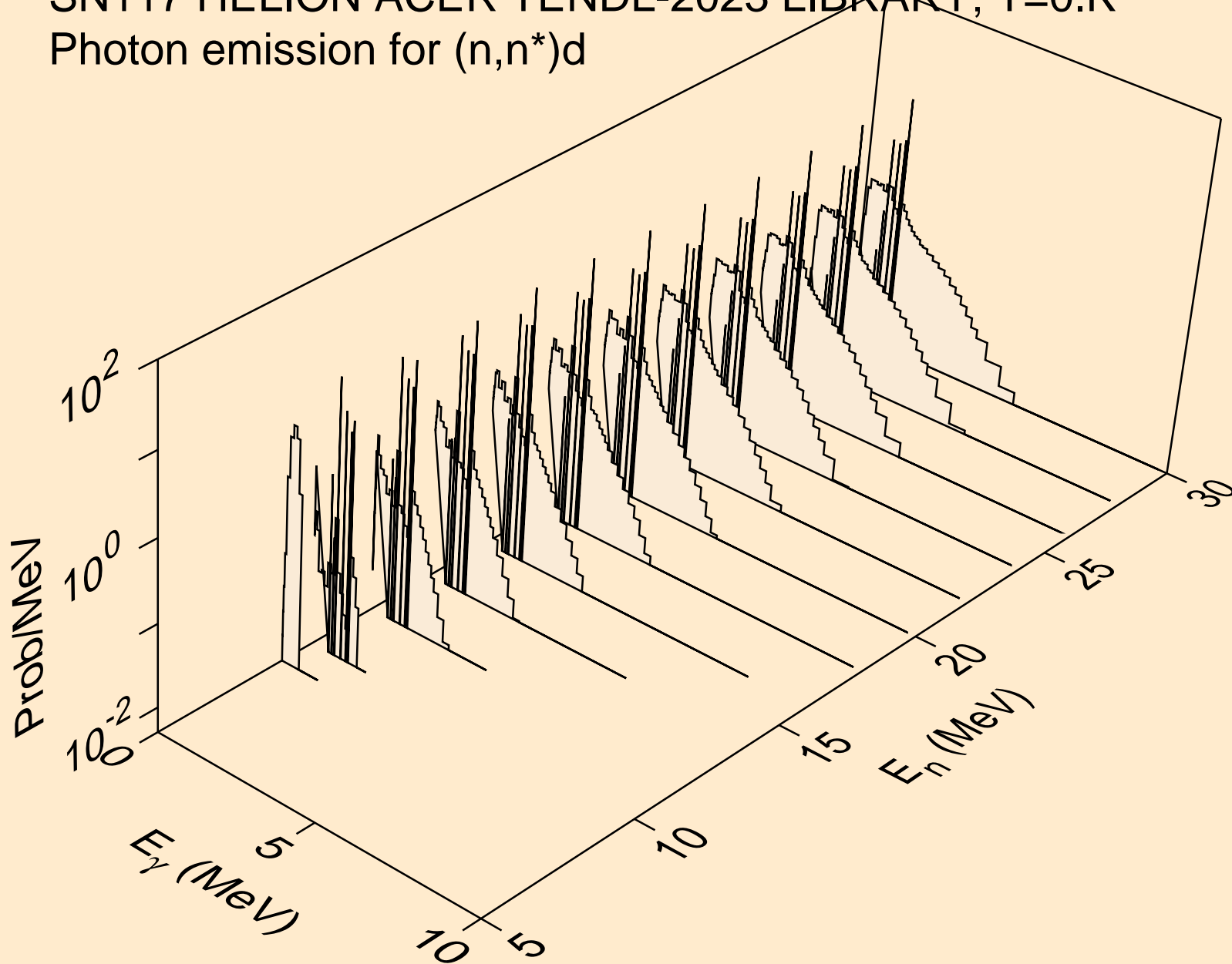
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



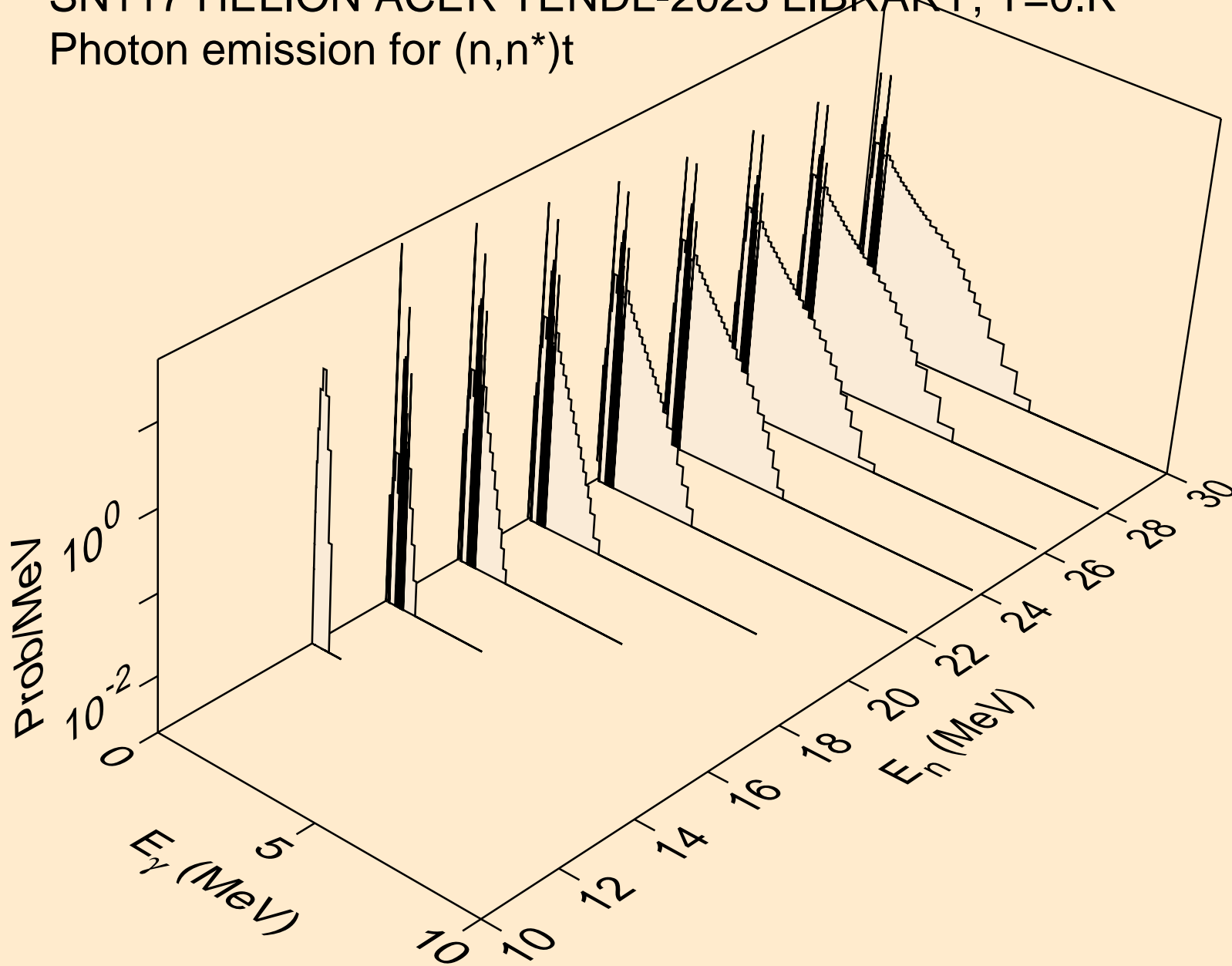
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



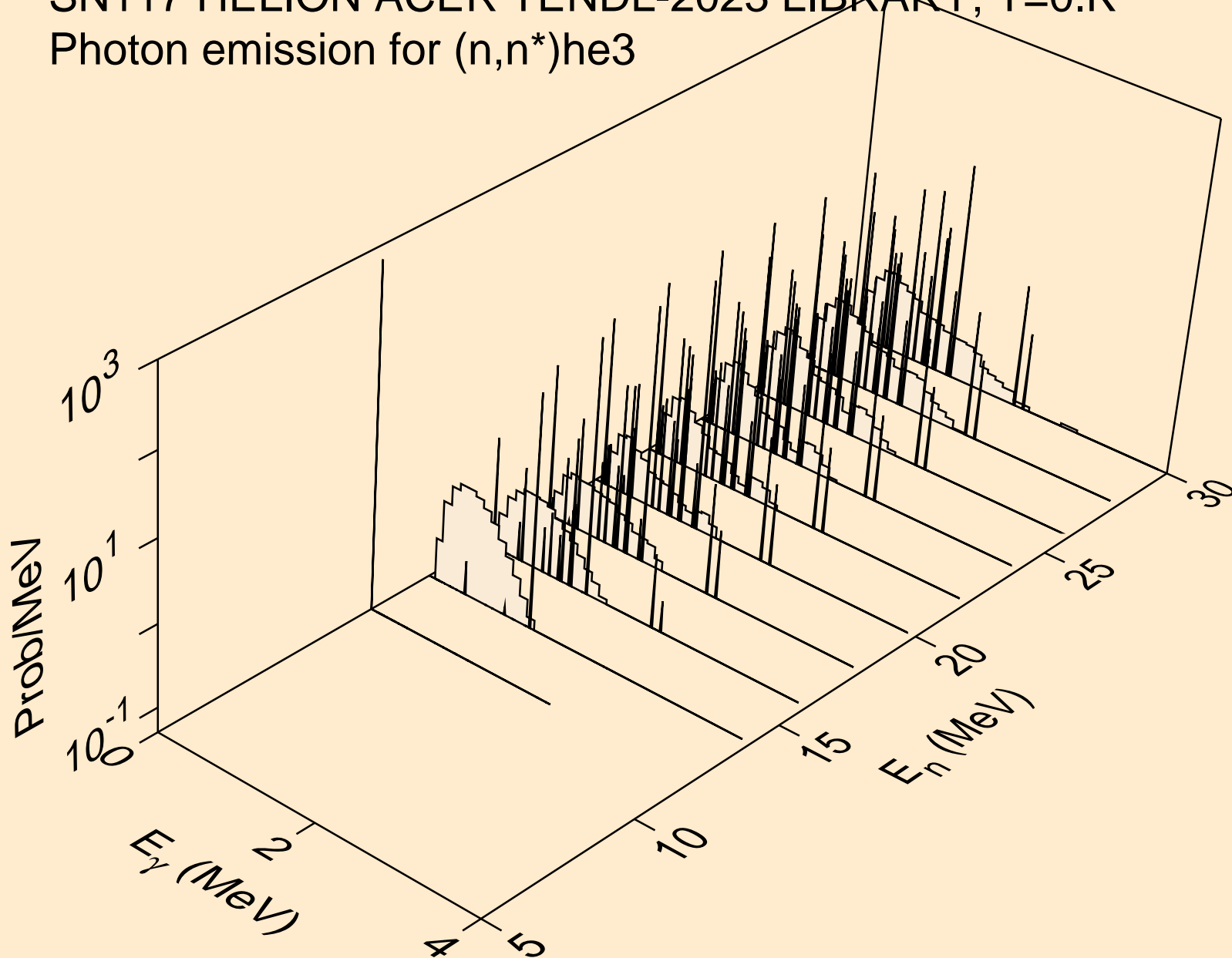
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



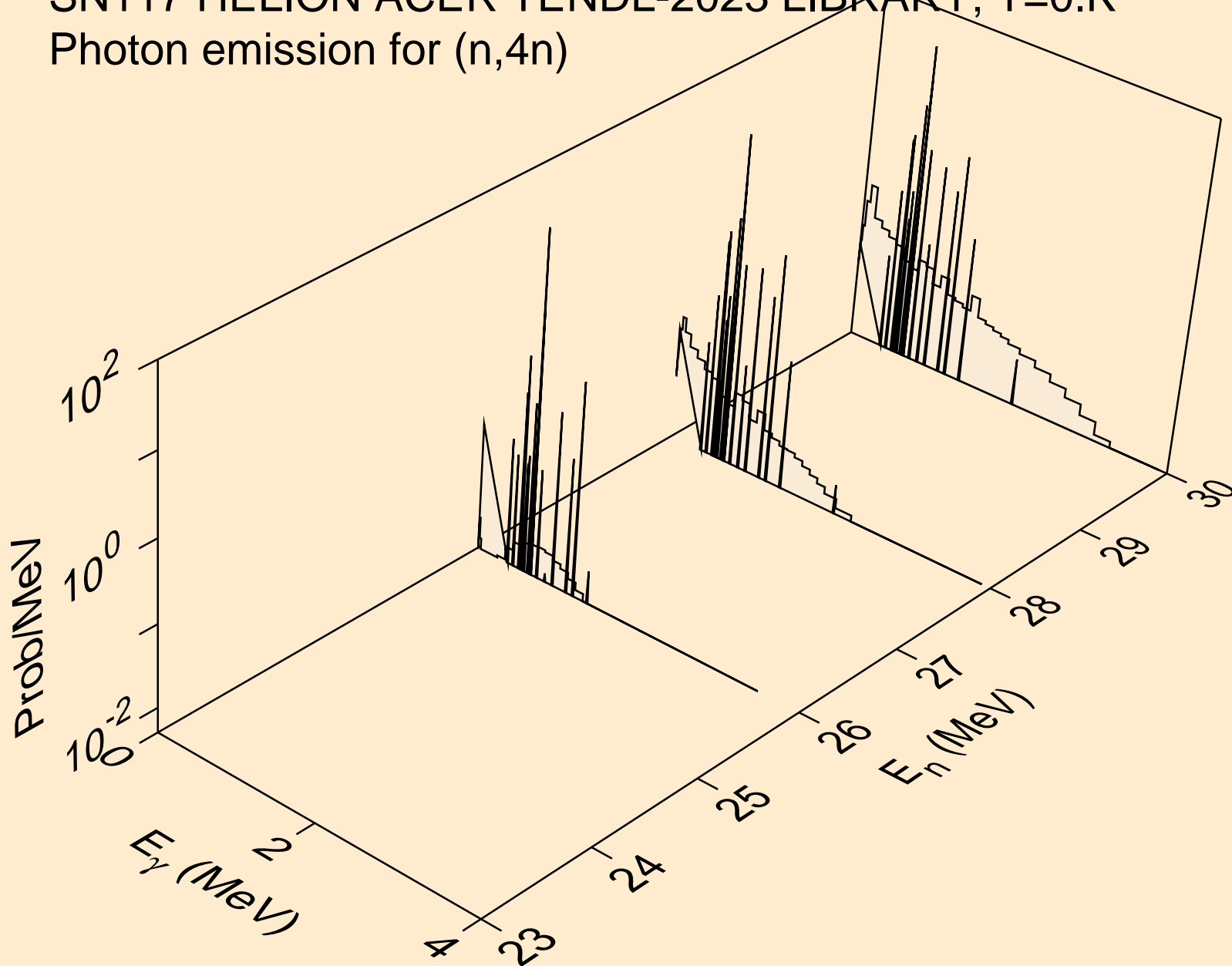
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



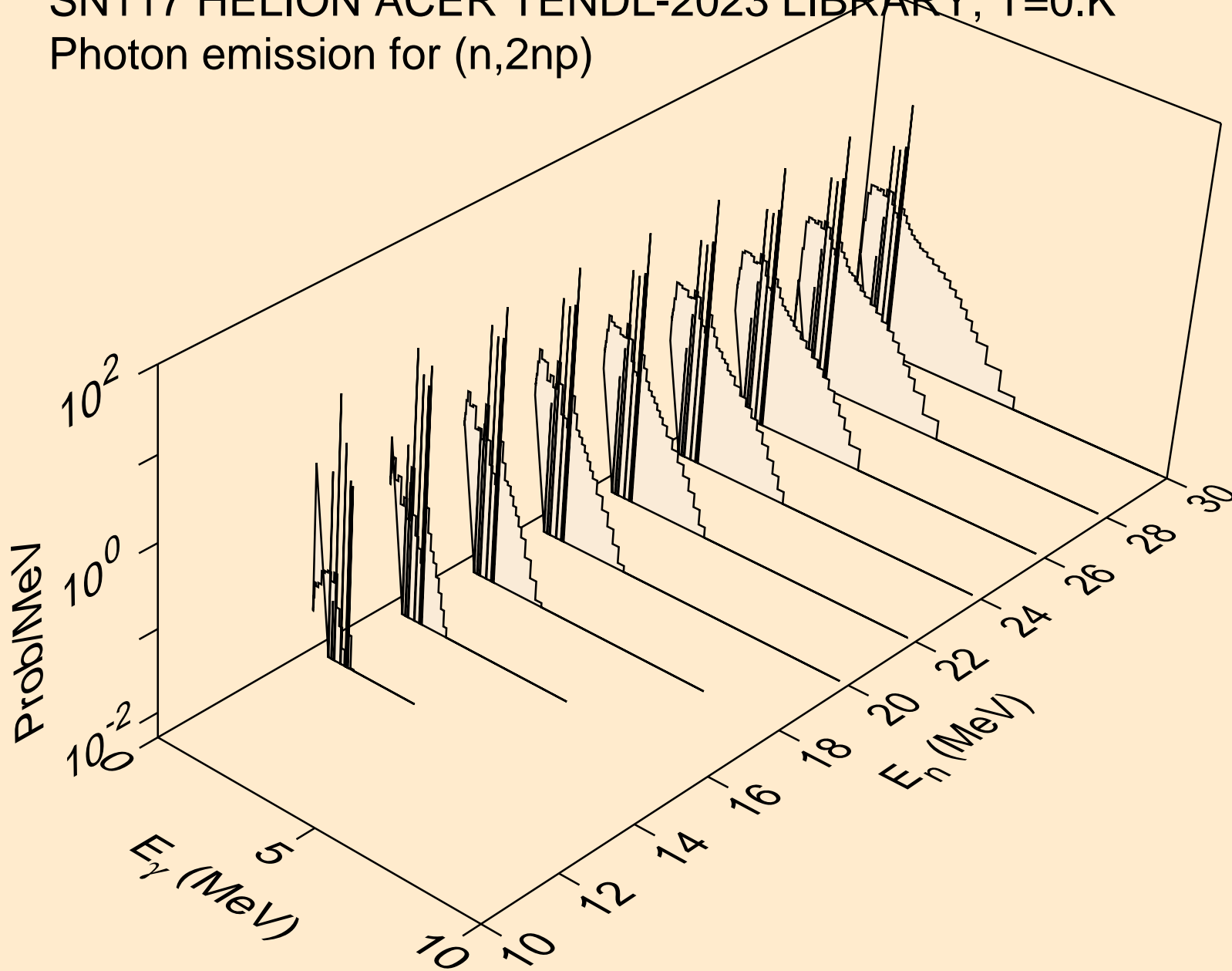
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)

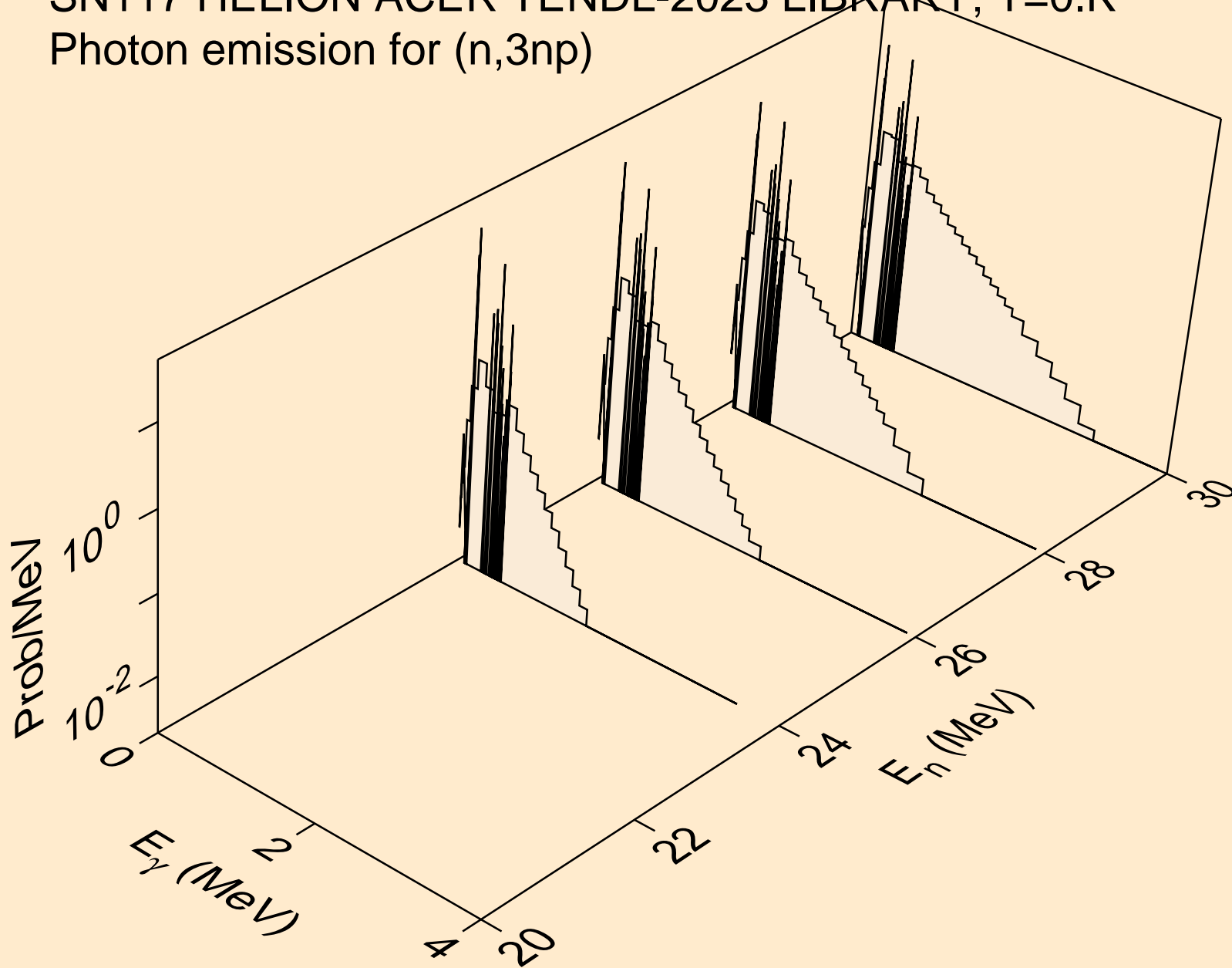


SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

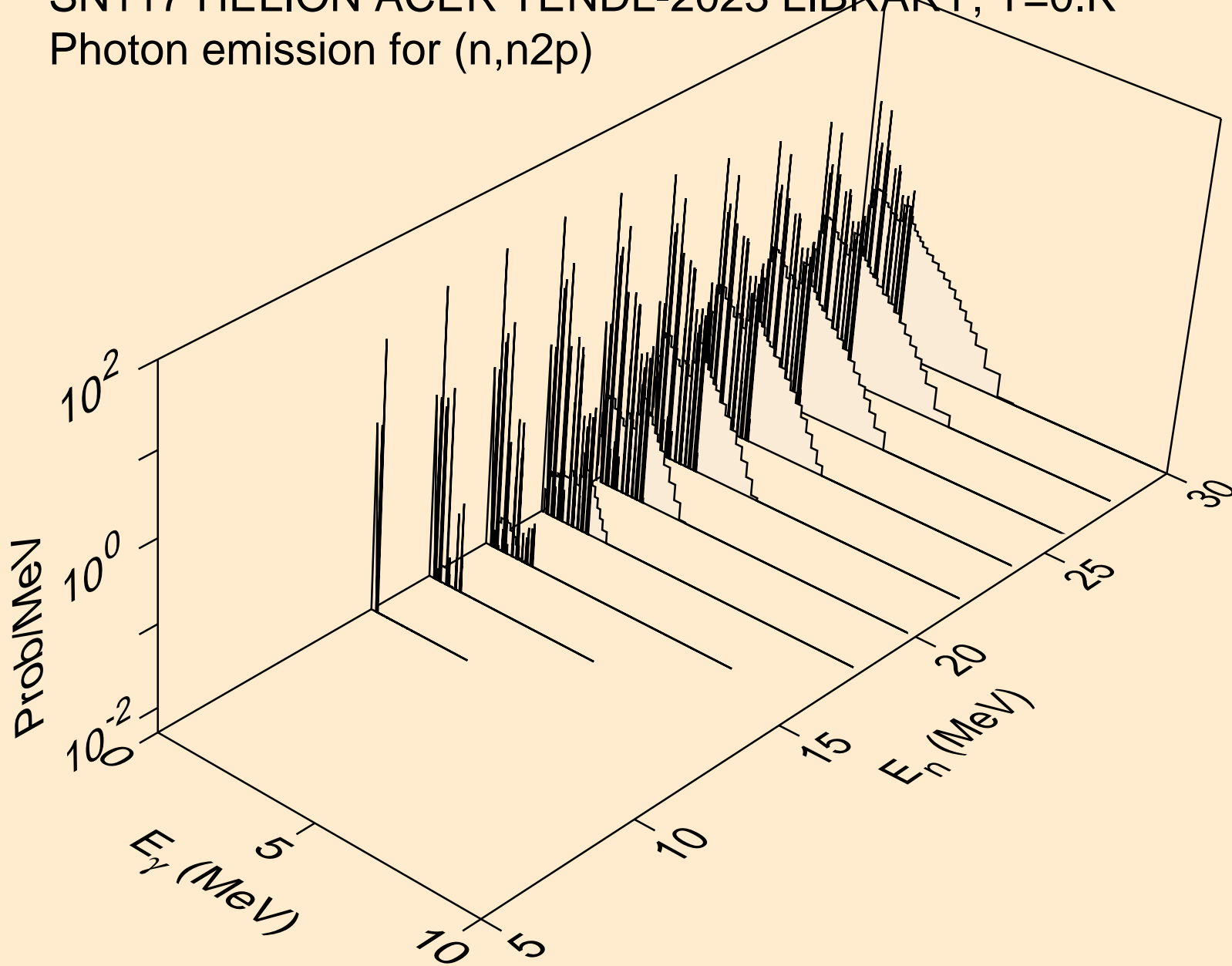




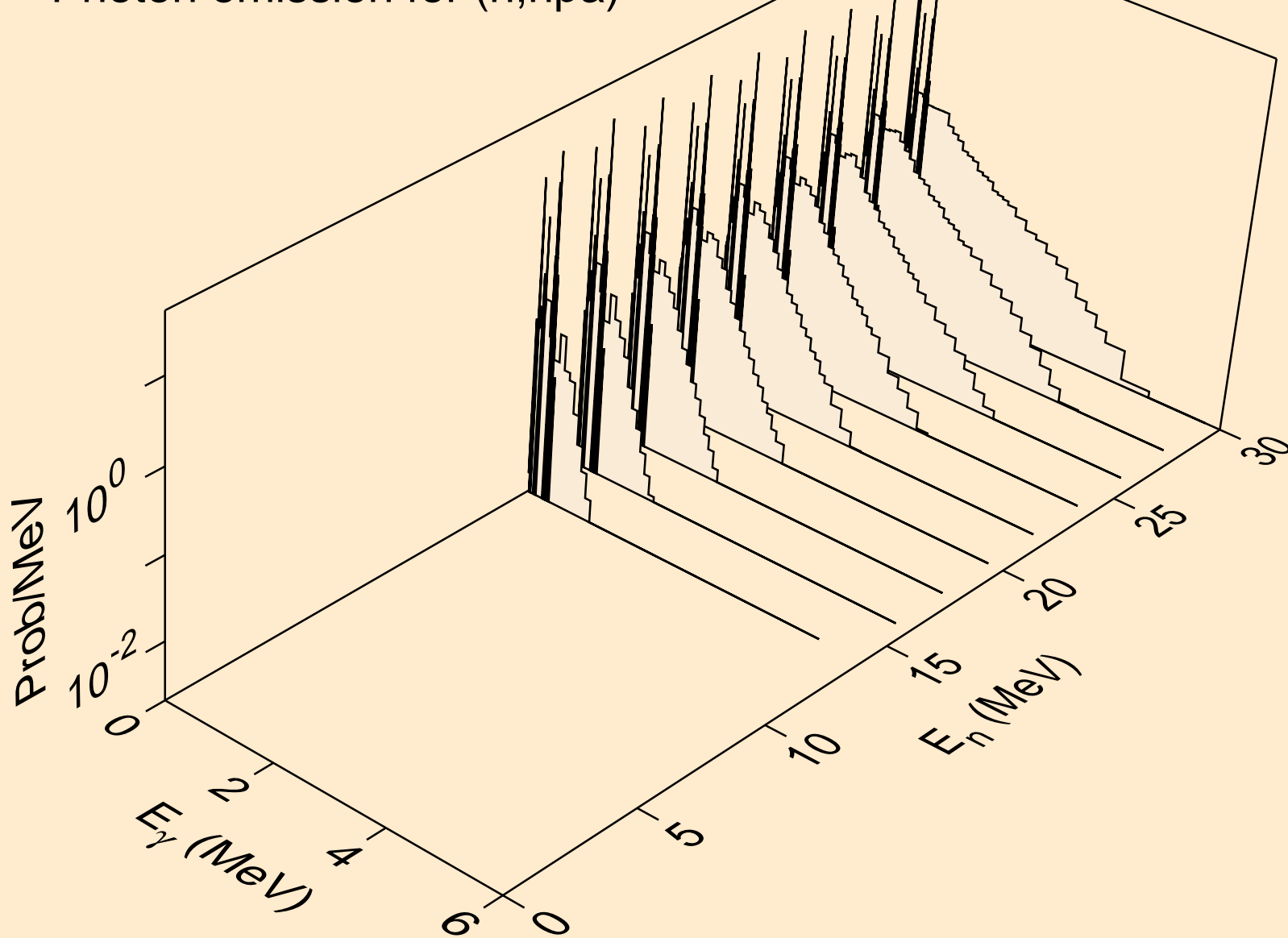
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



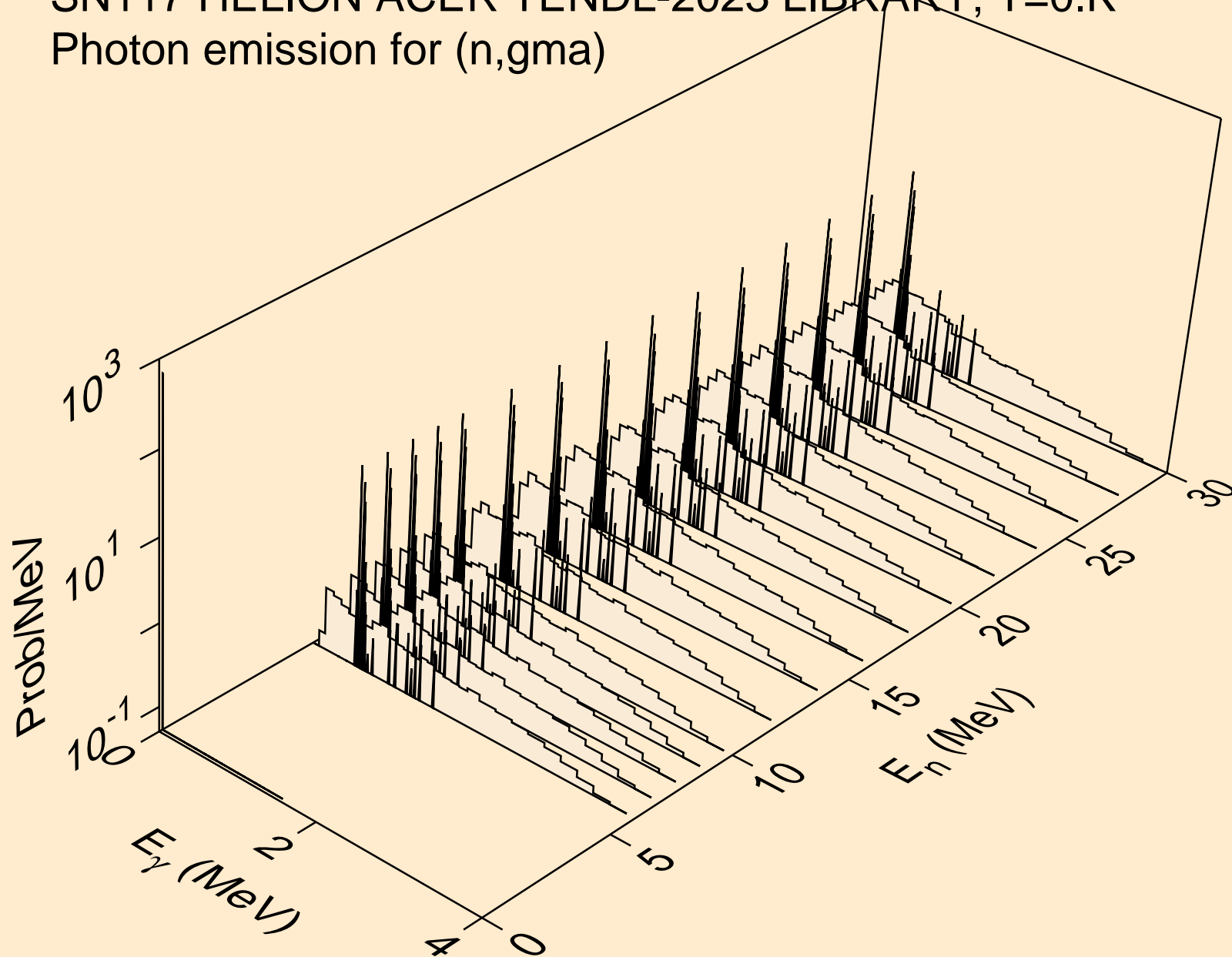
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



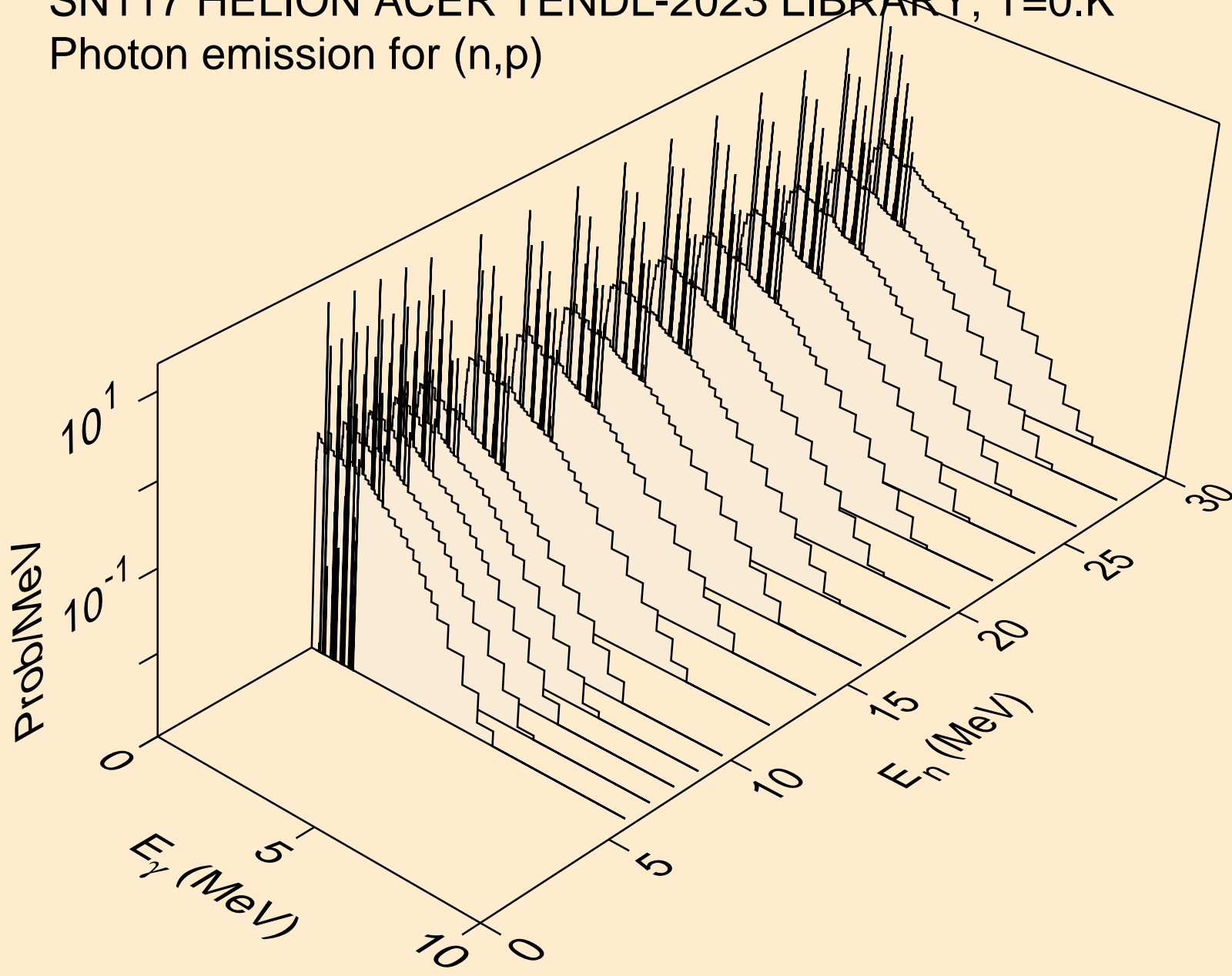
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Photon emission for (n,npa)



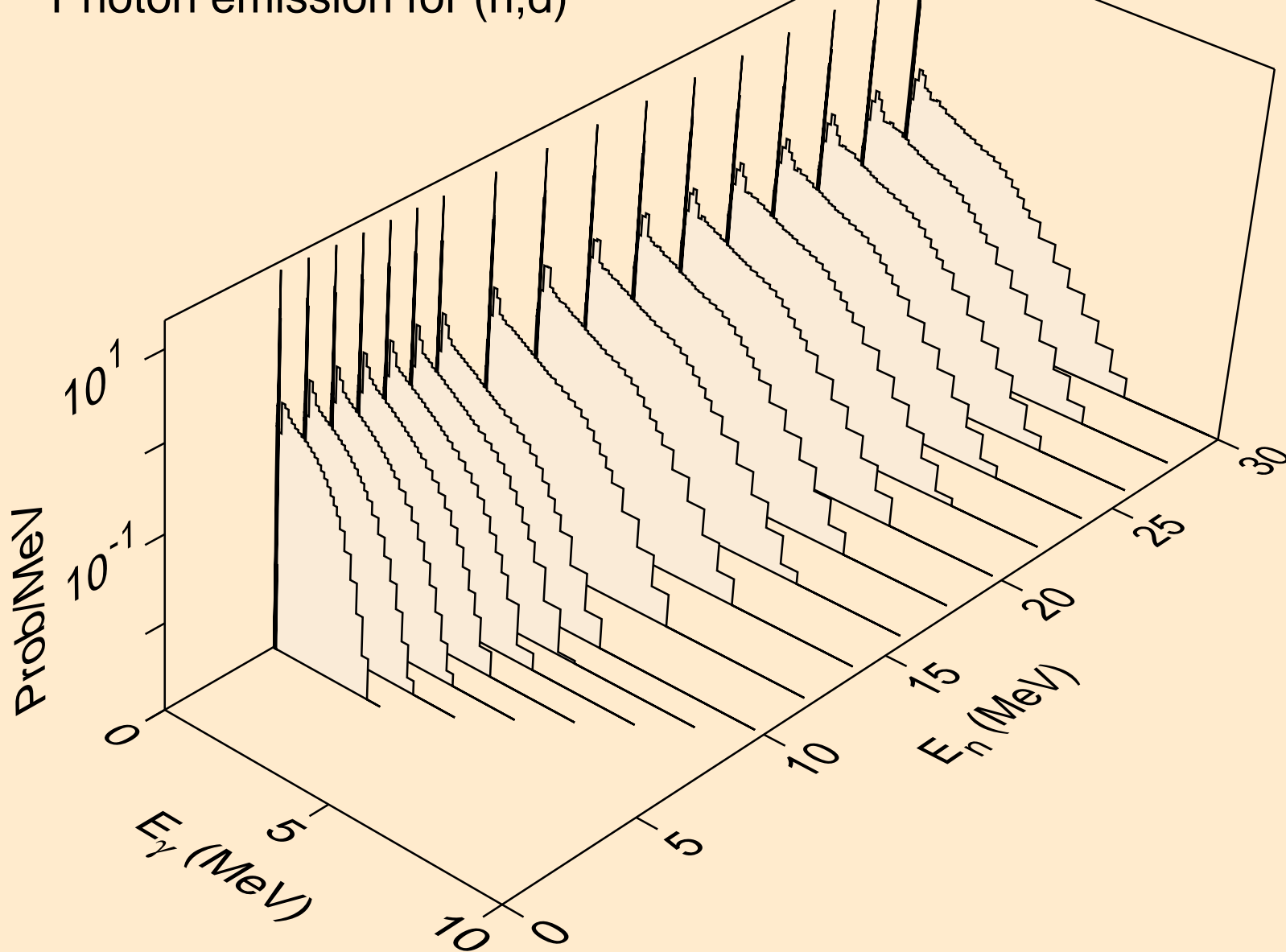
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Photon emission for (n,gma)



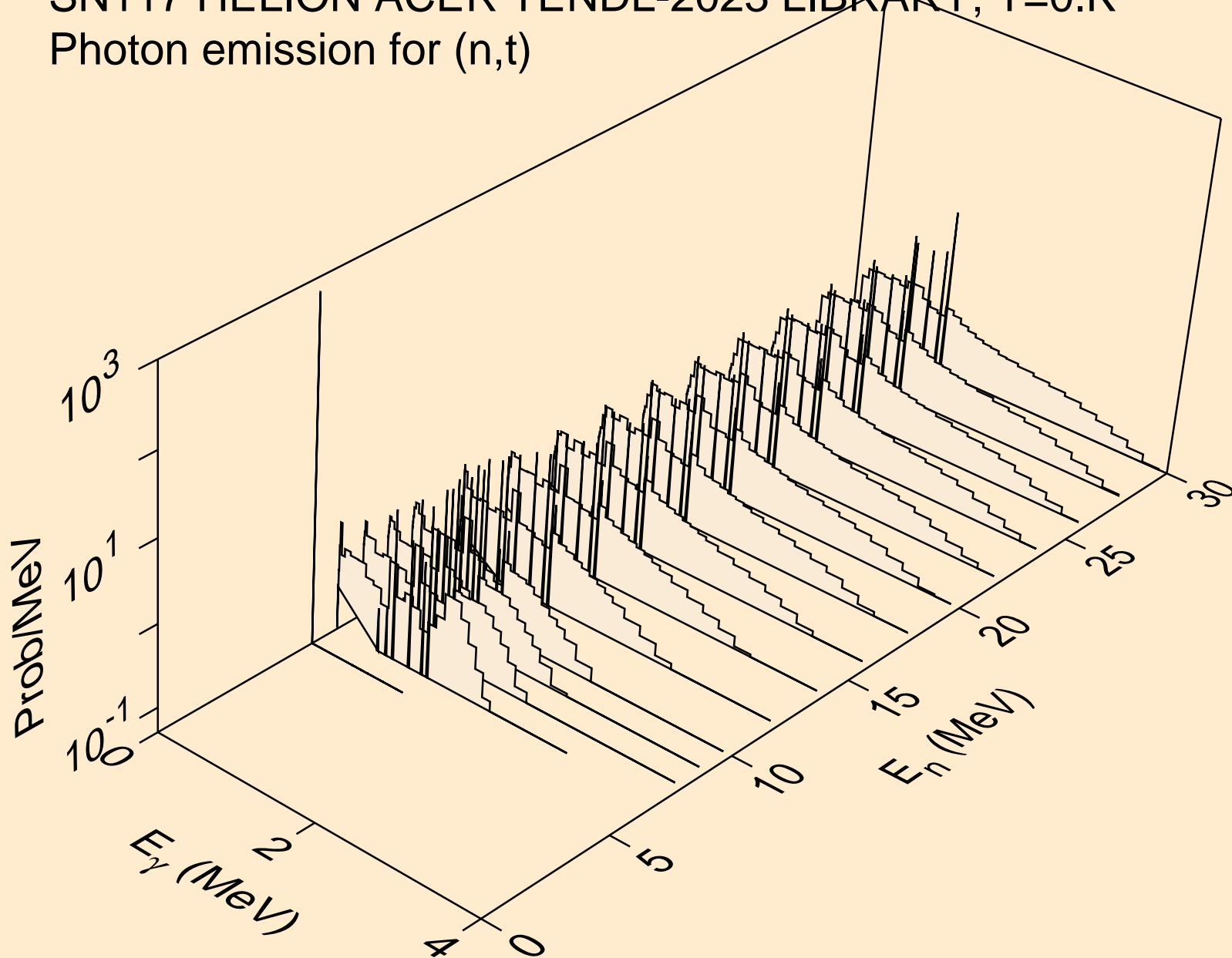
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



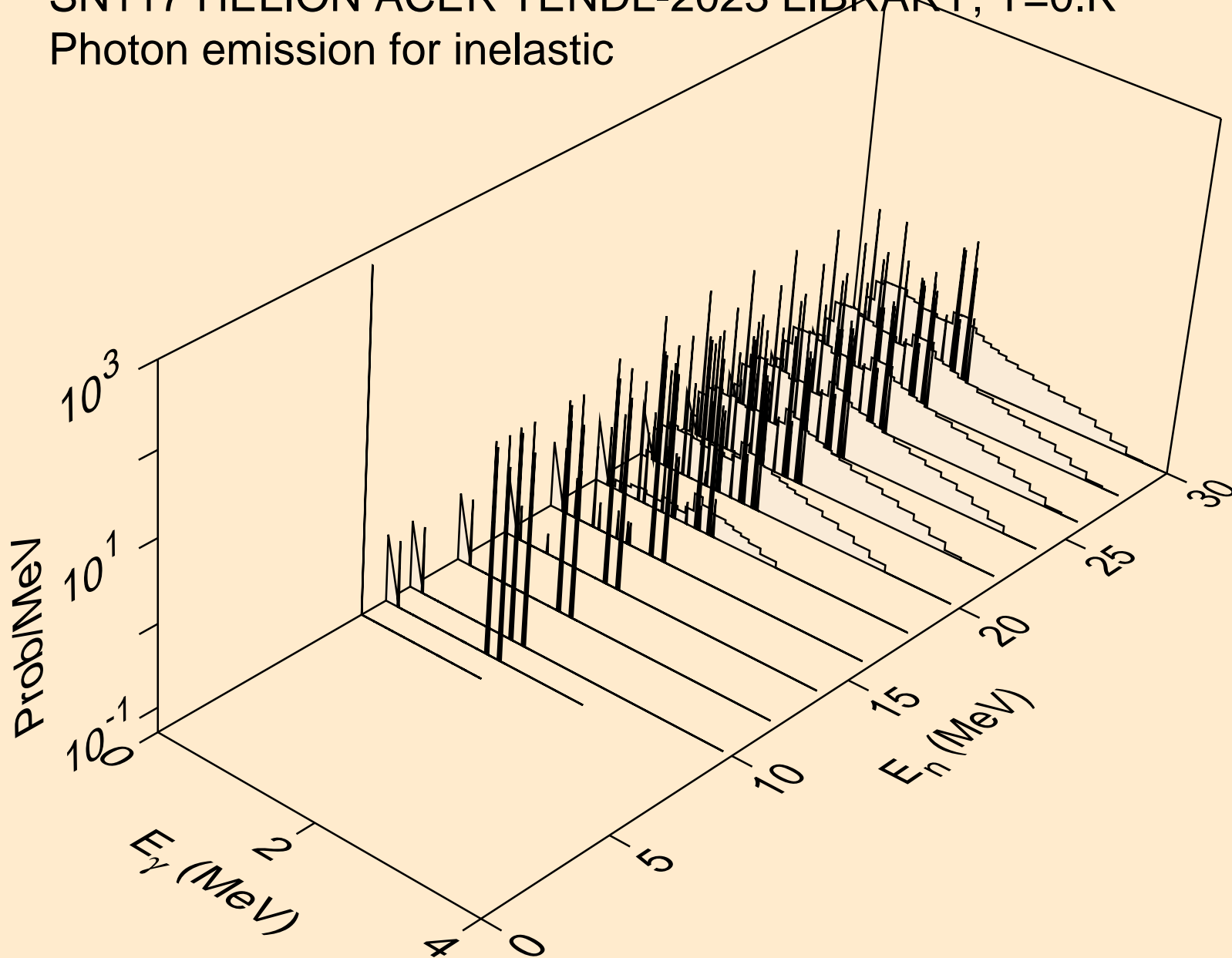
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

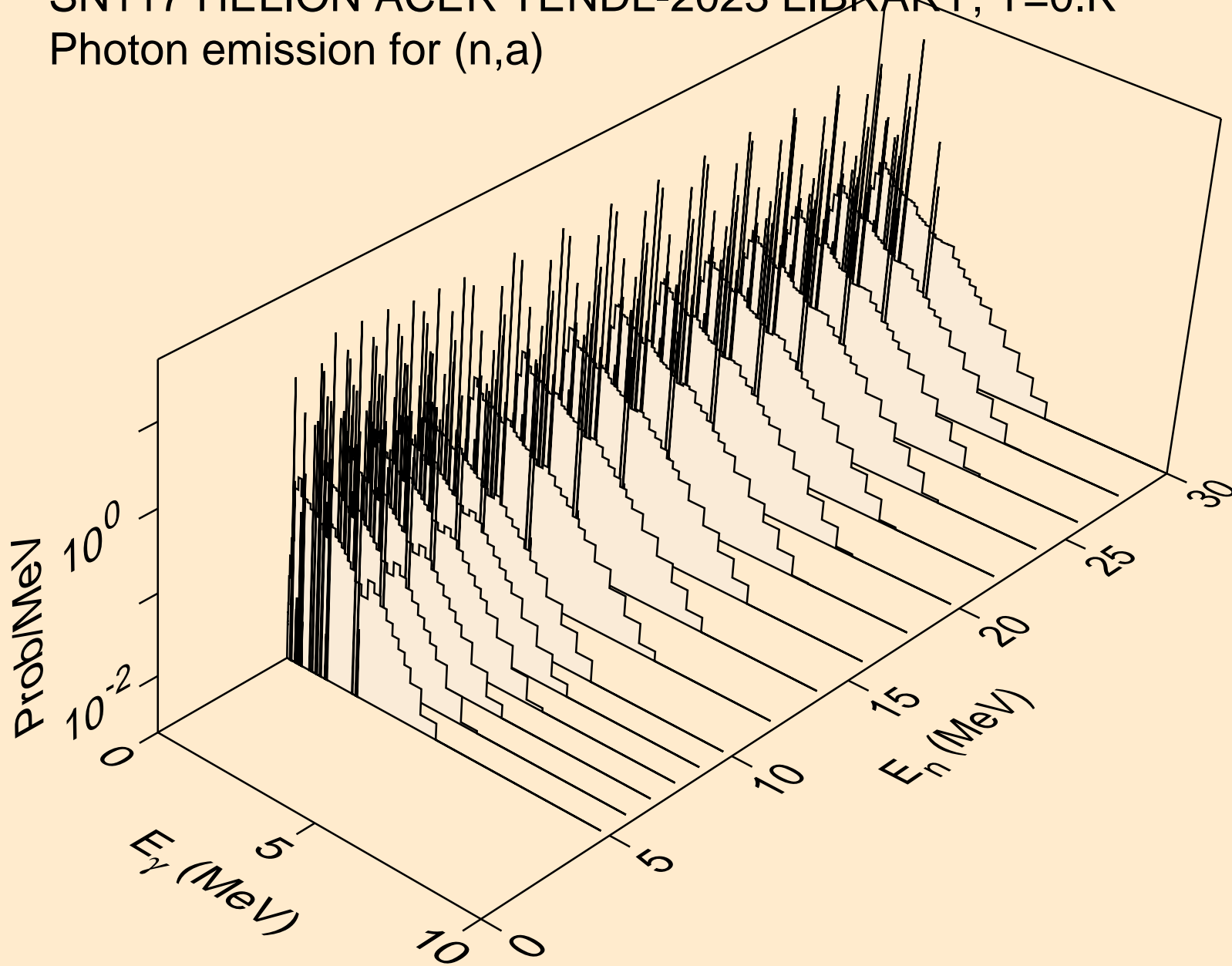


SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic

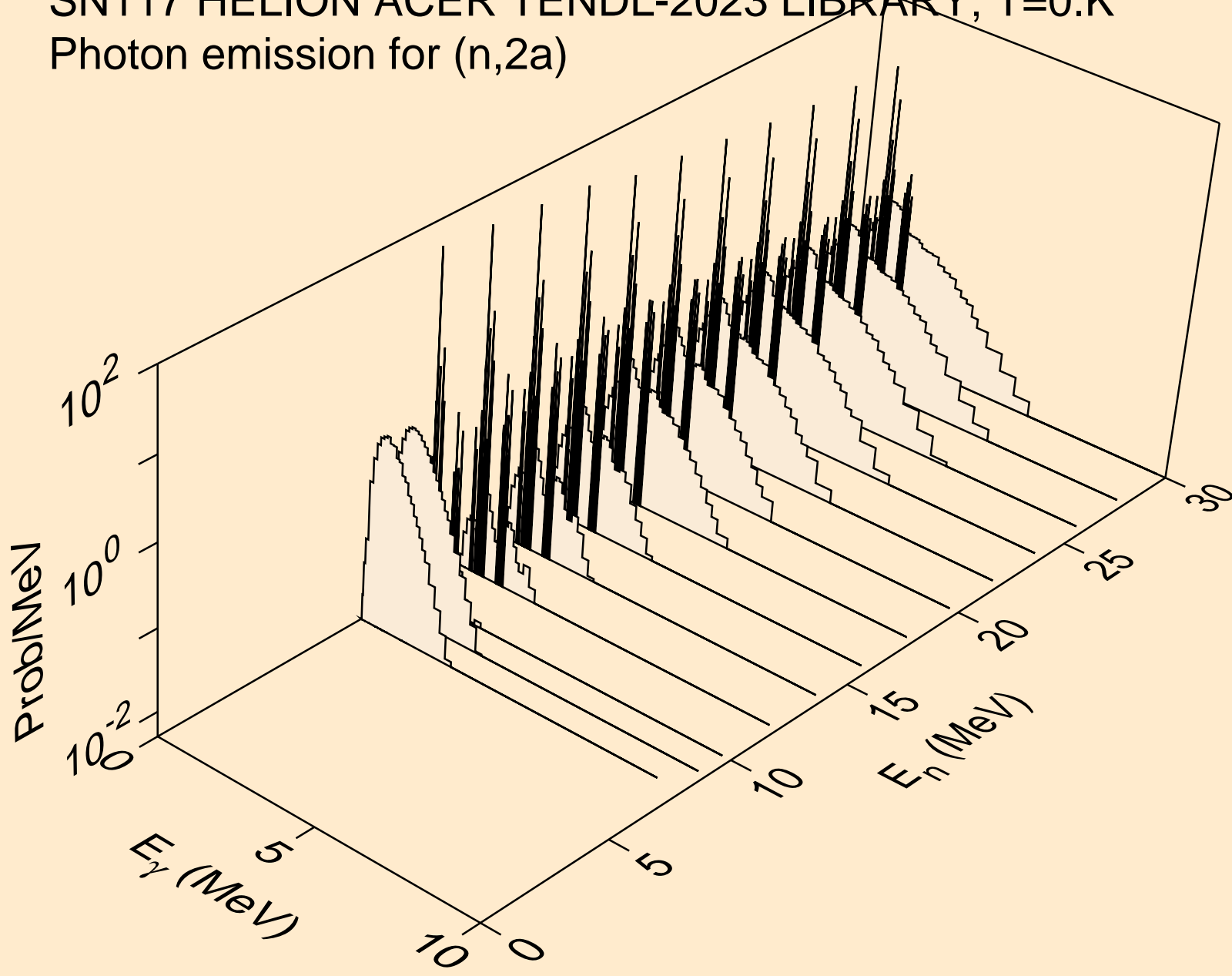




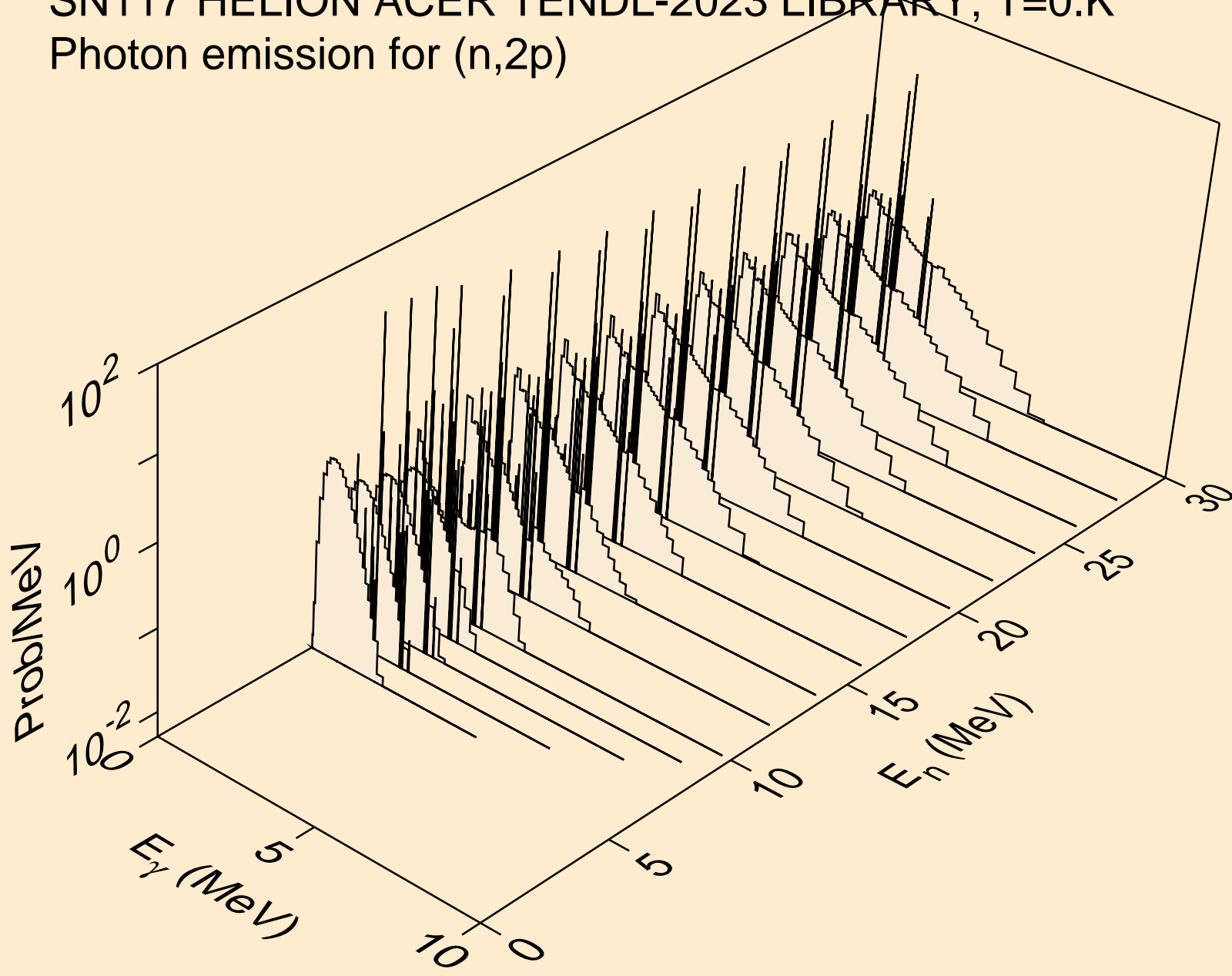
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



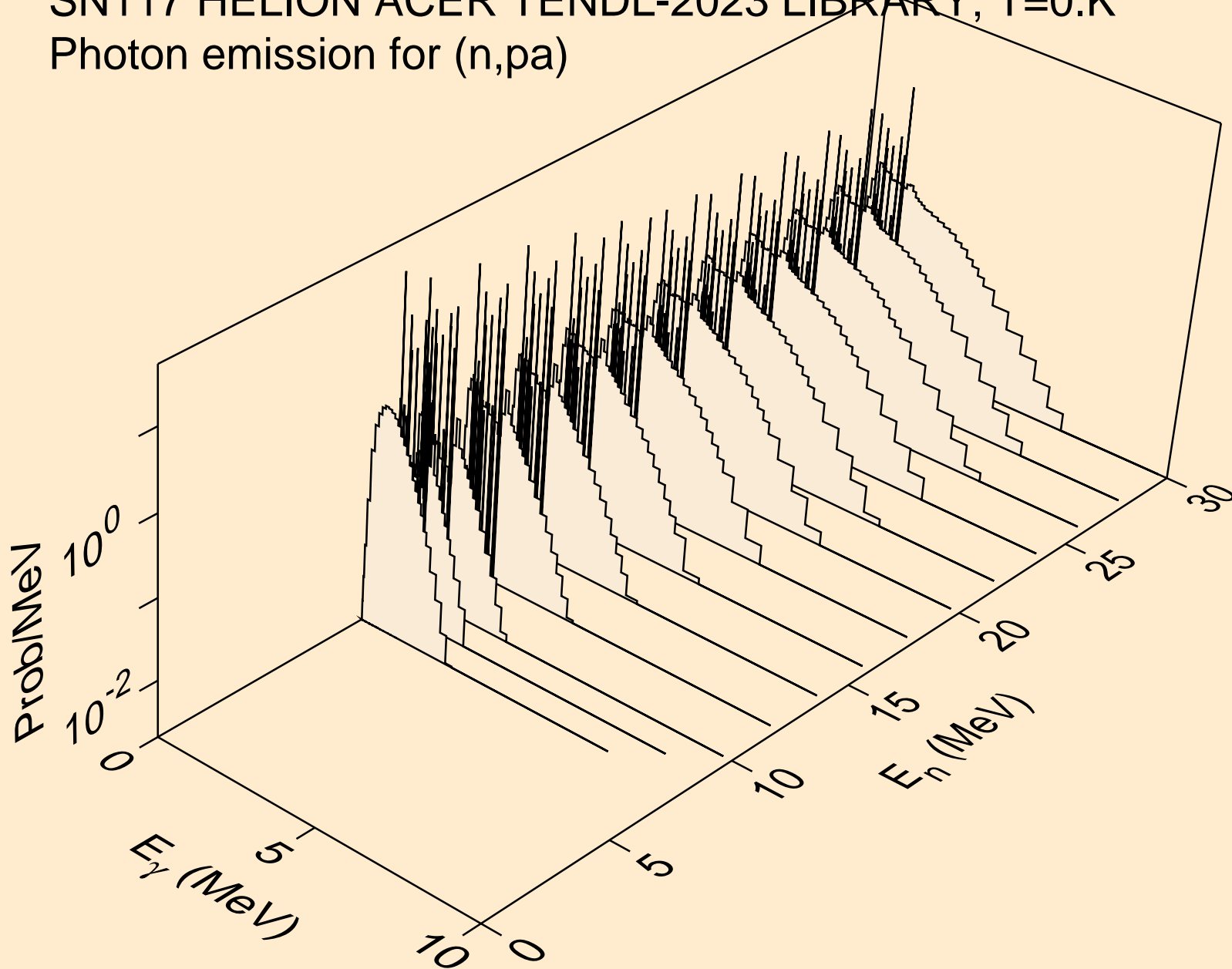
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Photon emission for (n,2a)



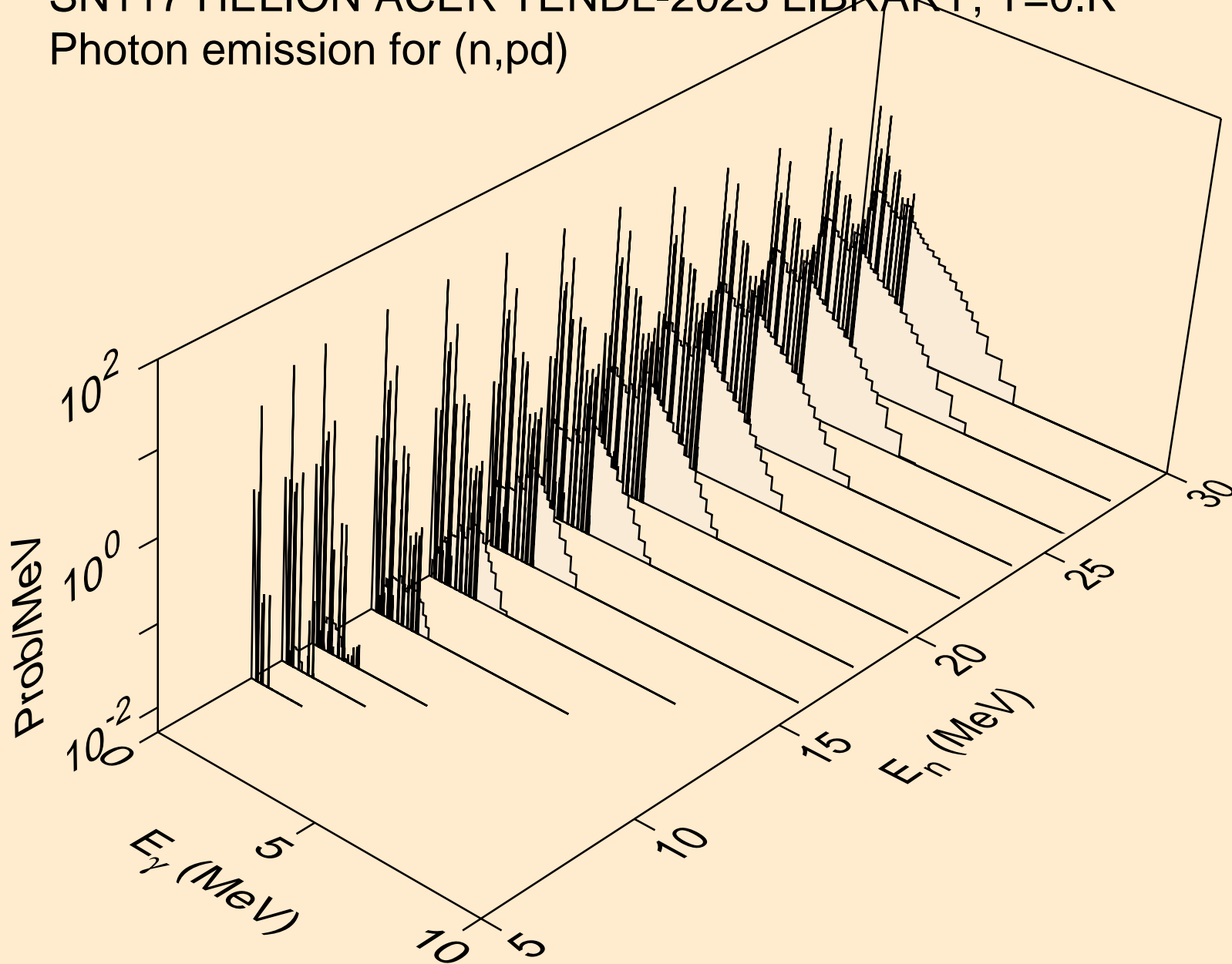
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Photon emission for (n,2p)



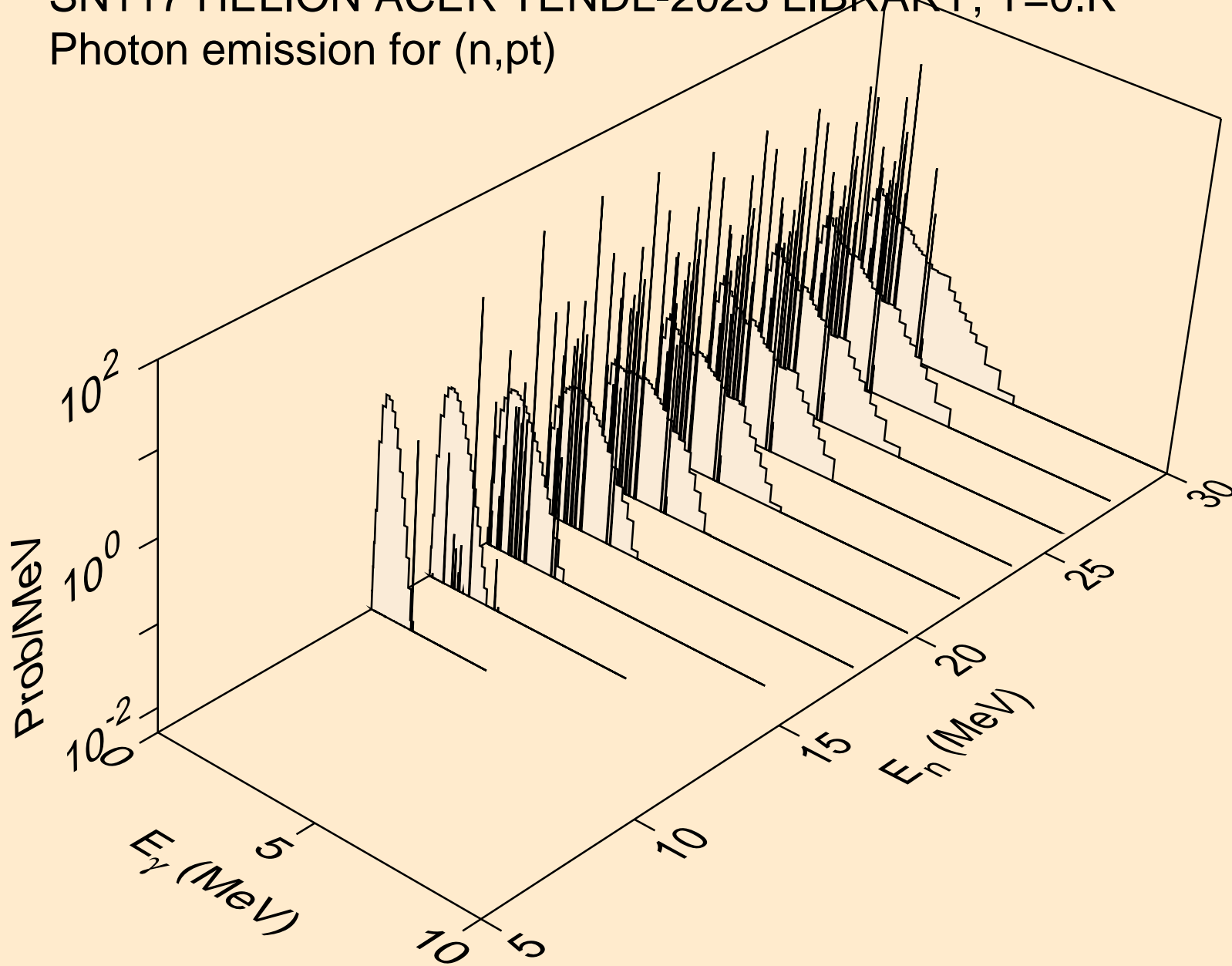
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Photon emission for (n,pa)



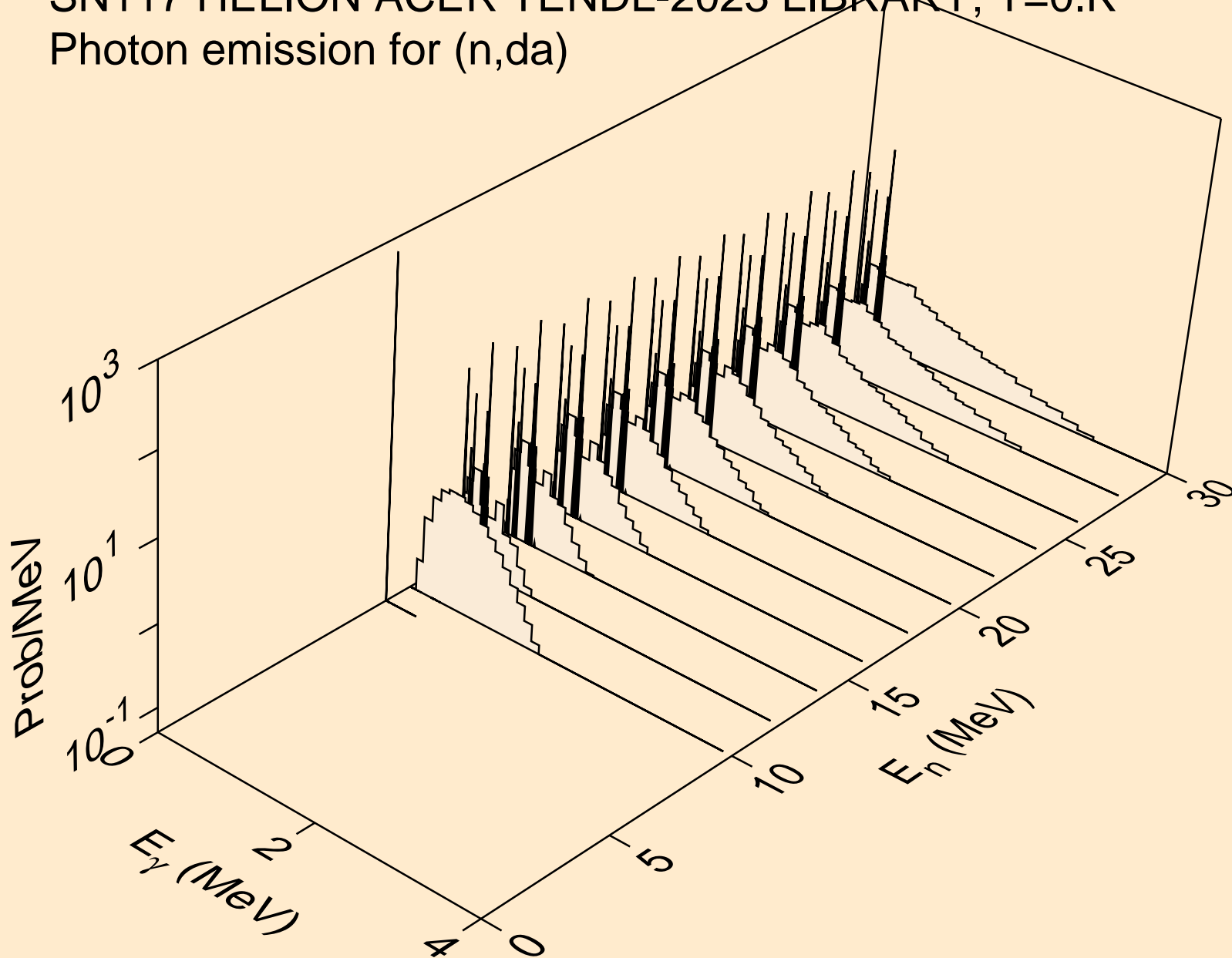
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

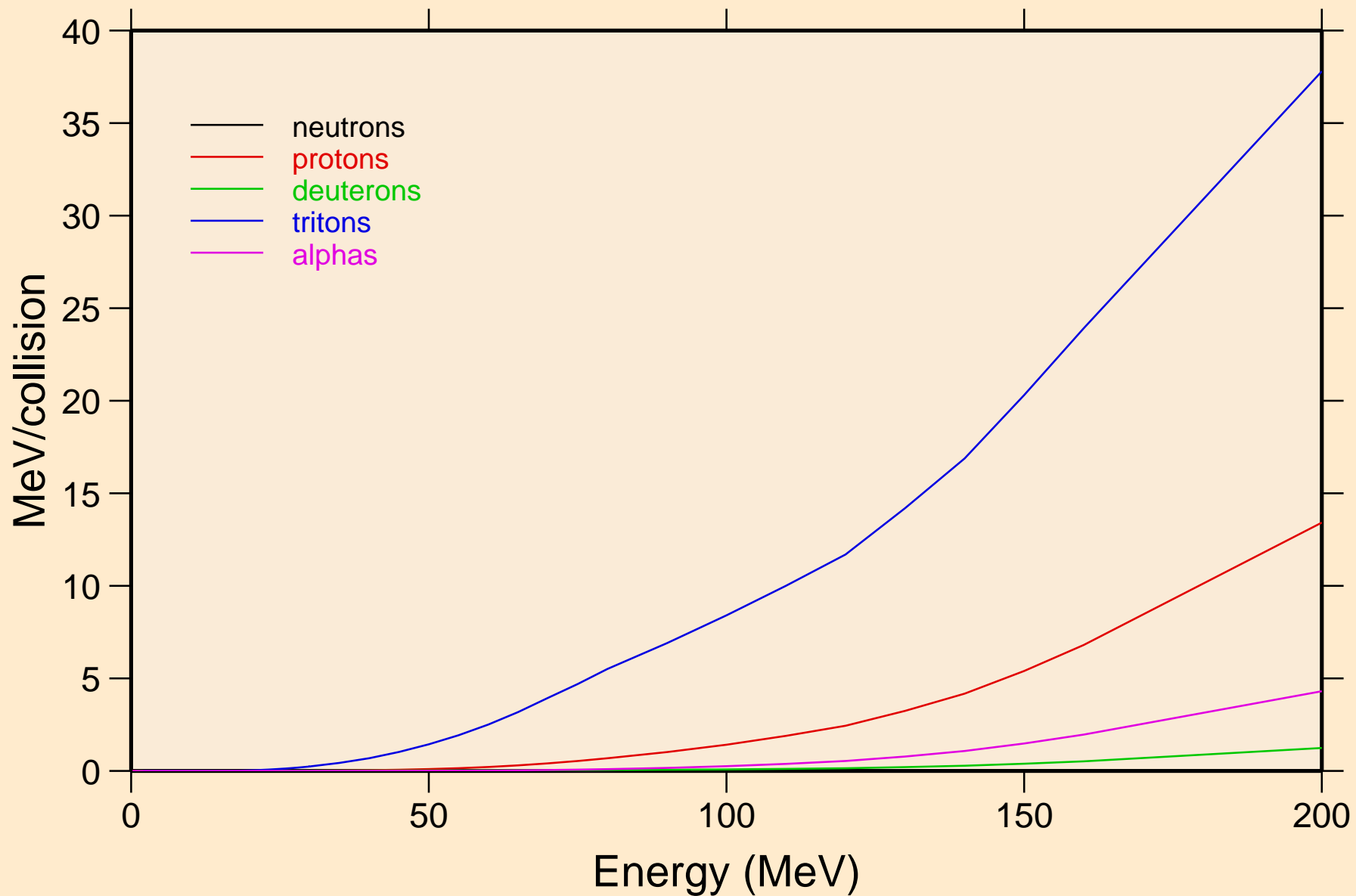


SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



# SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K

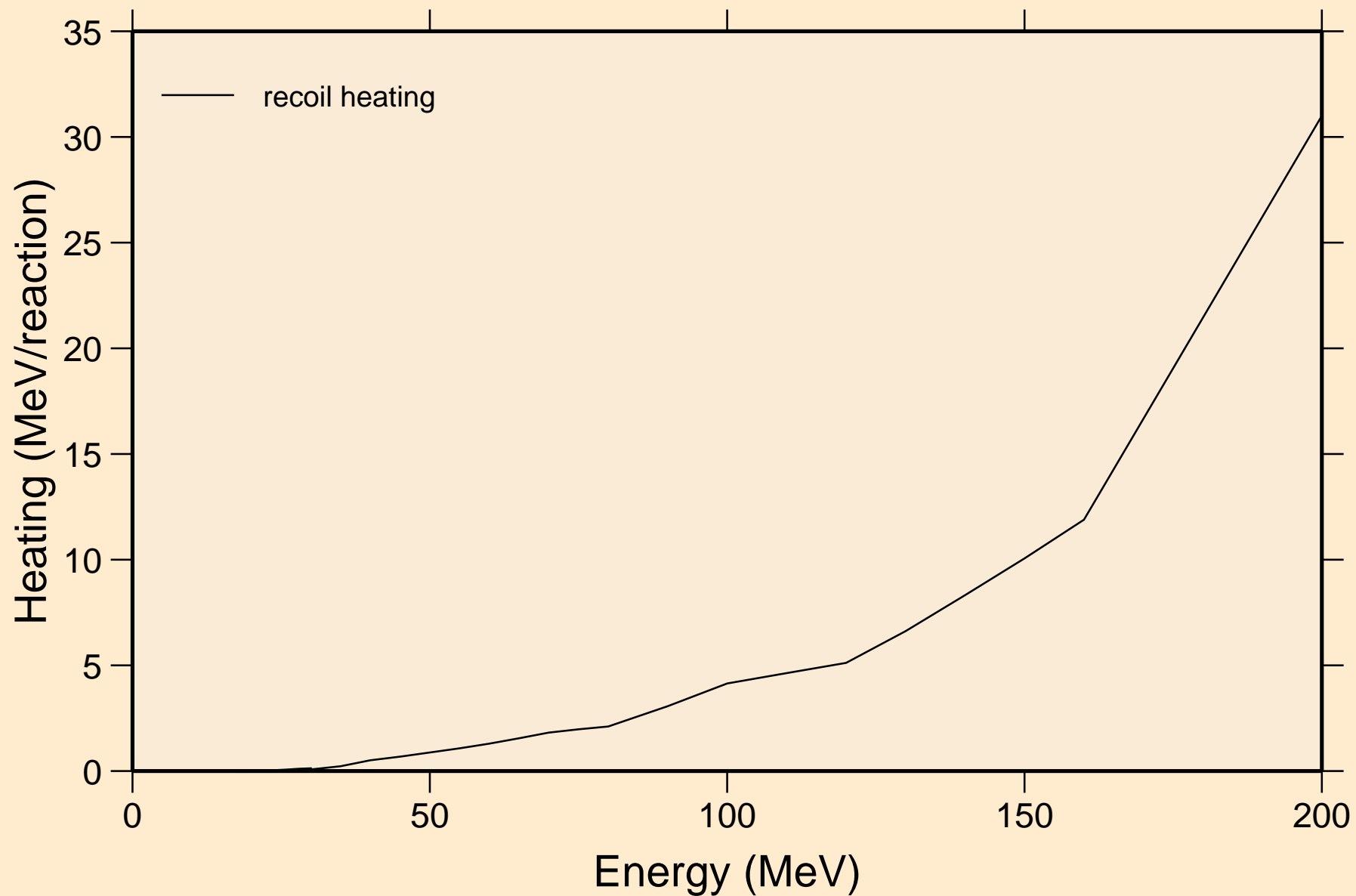
## Particle heating contributions





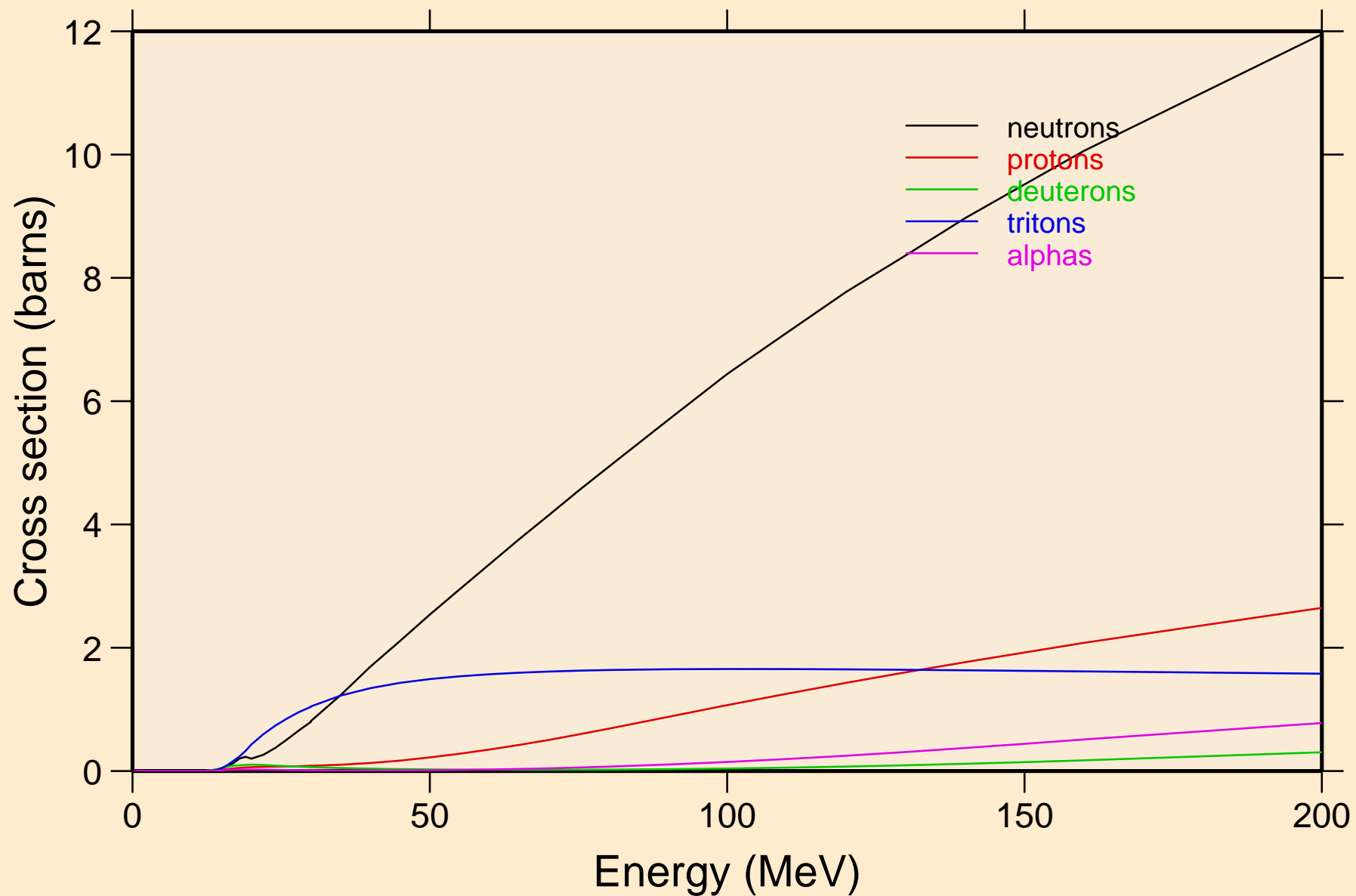
# SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Recoil Heating

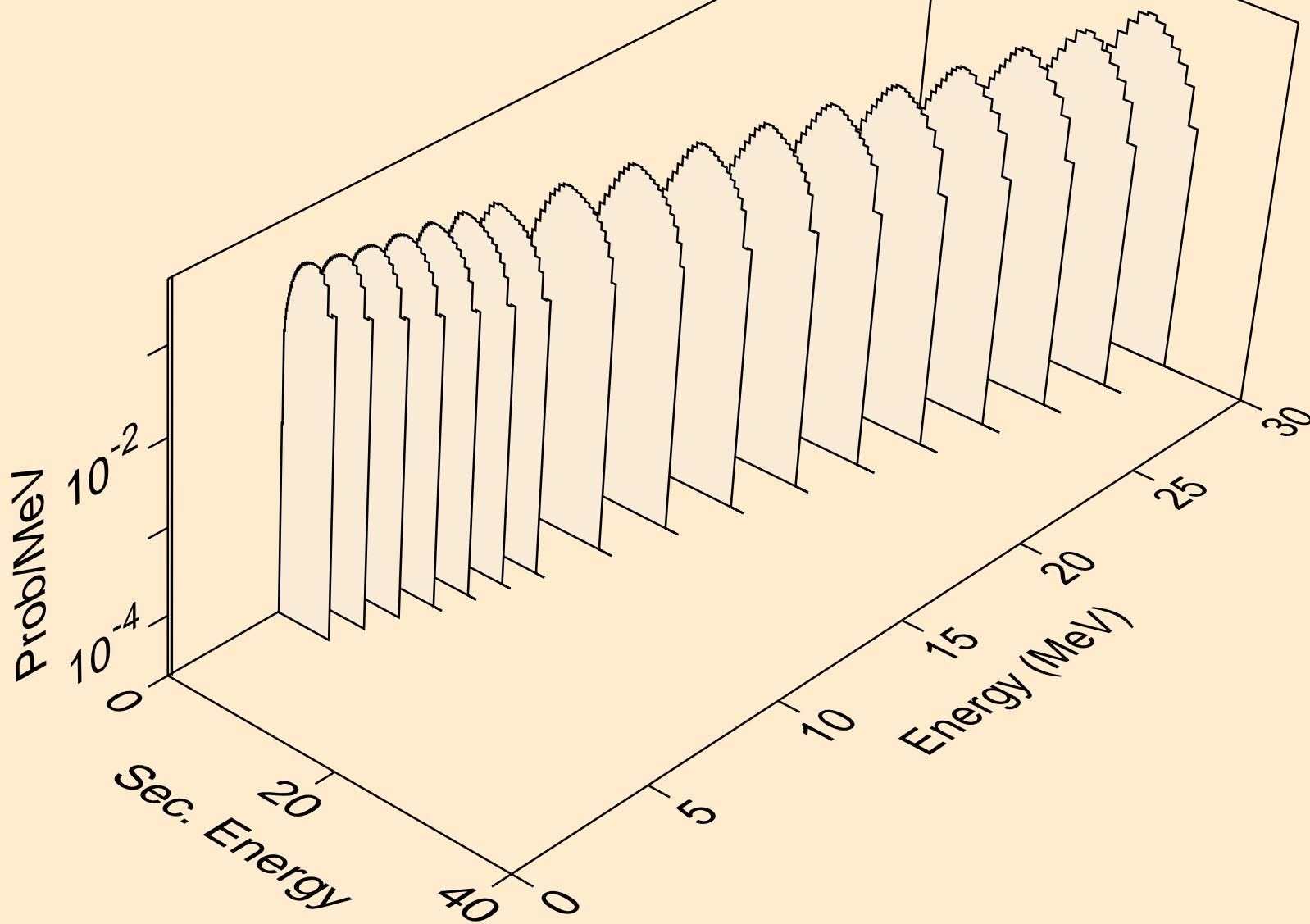


# SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K

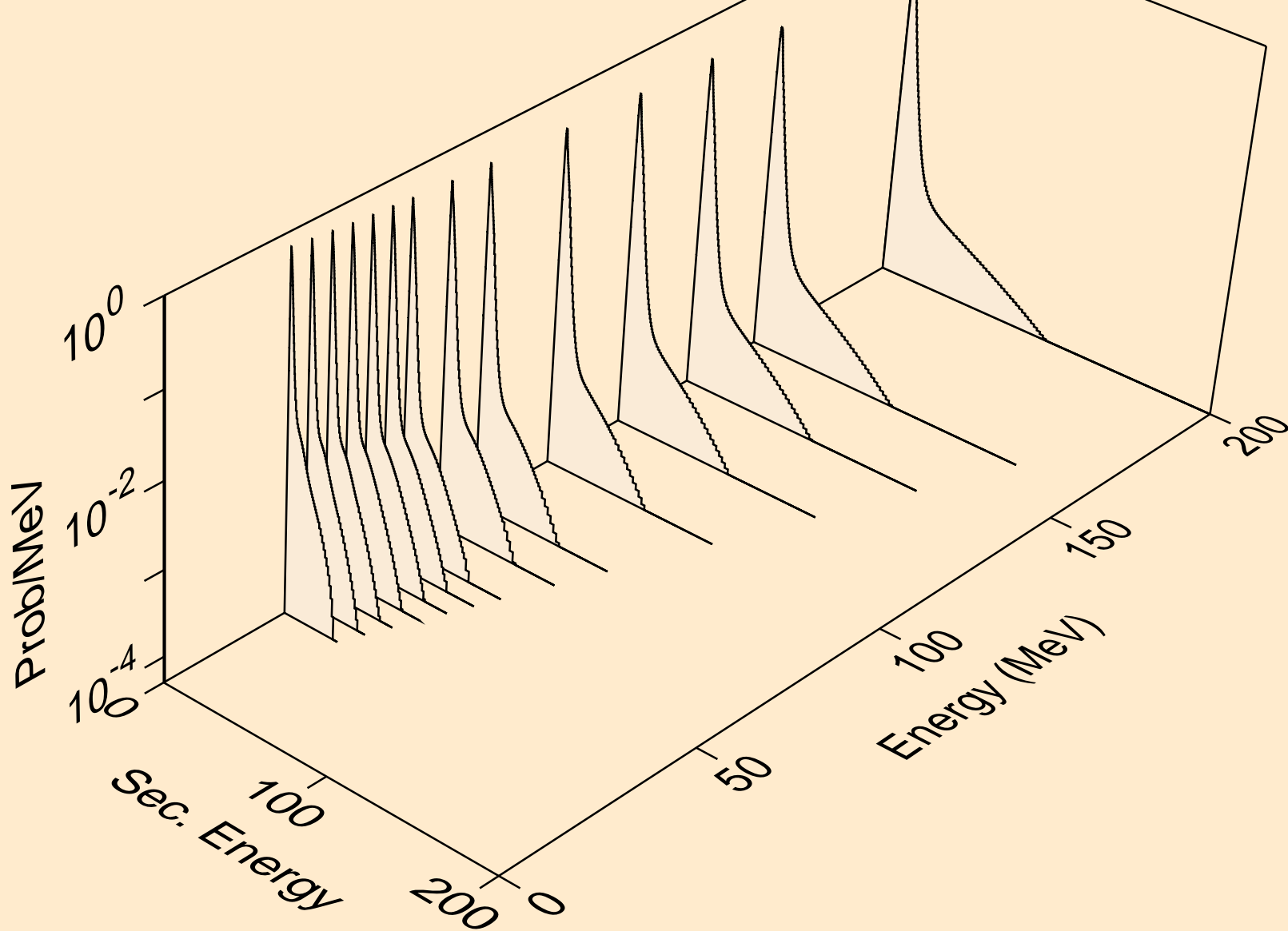
## Particle production cross sections



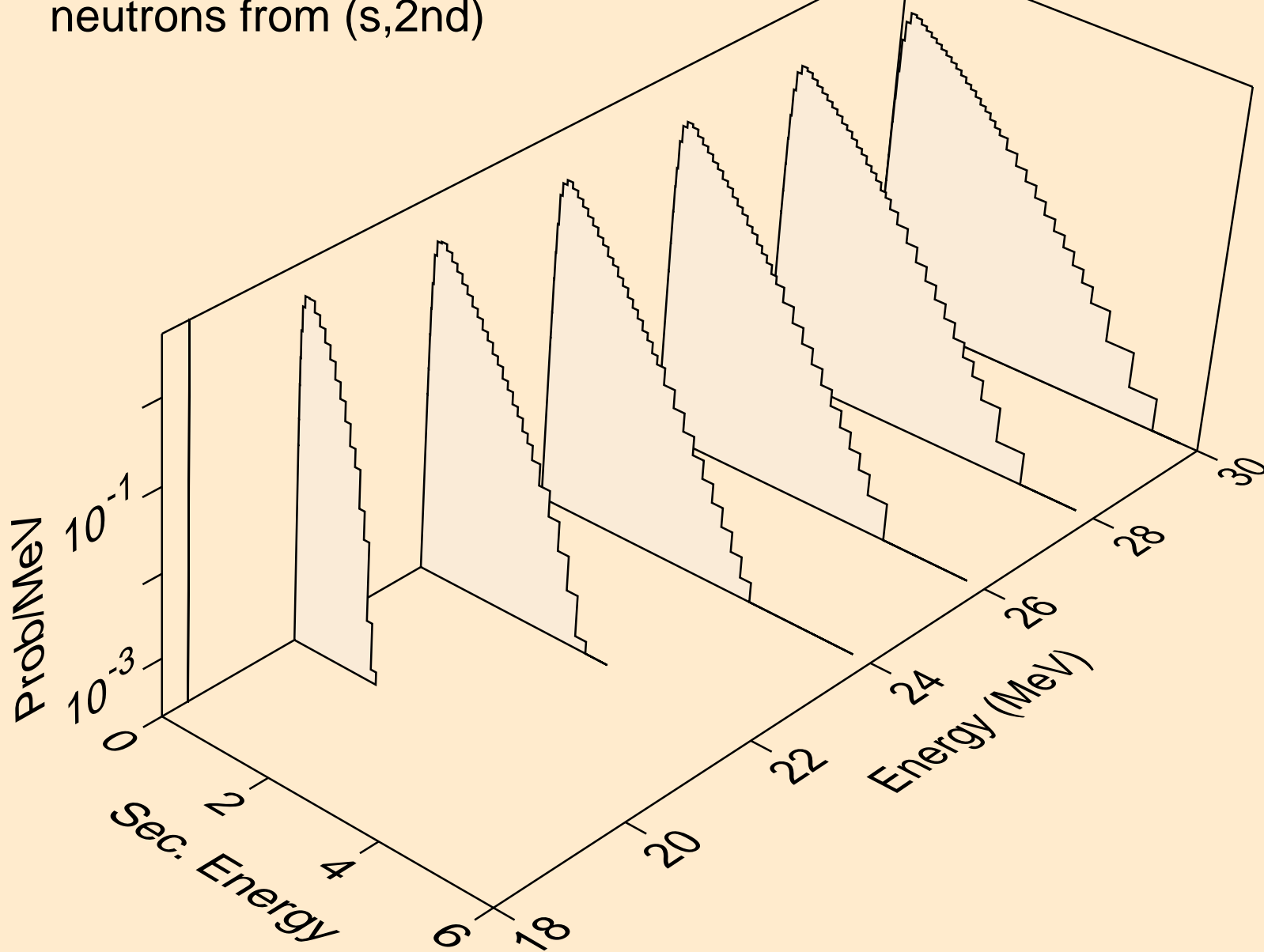
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



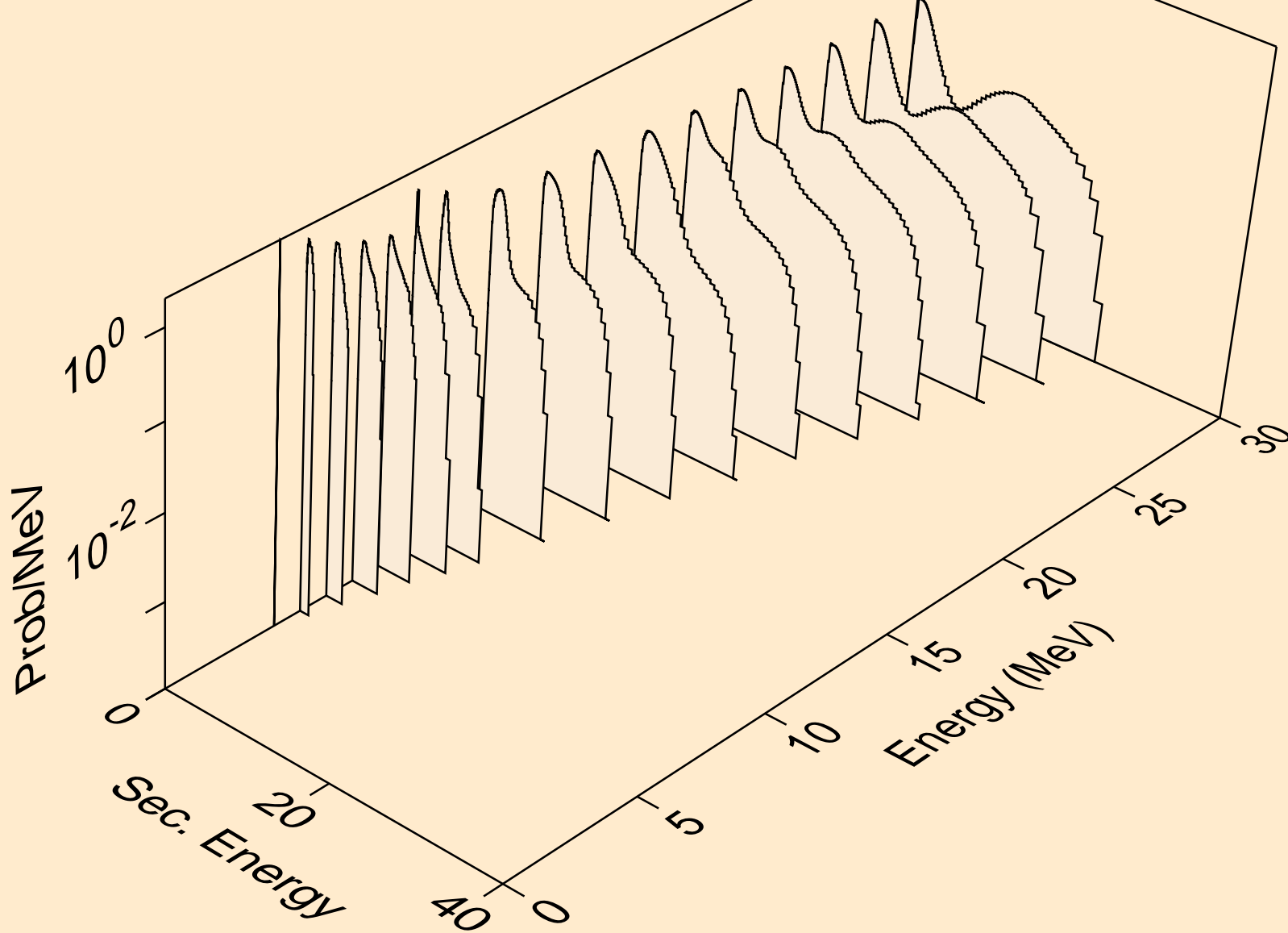
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,x)



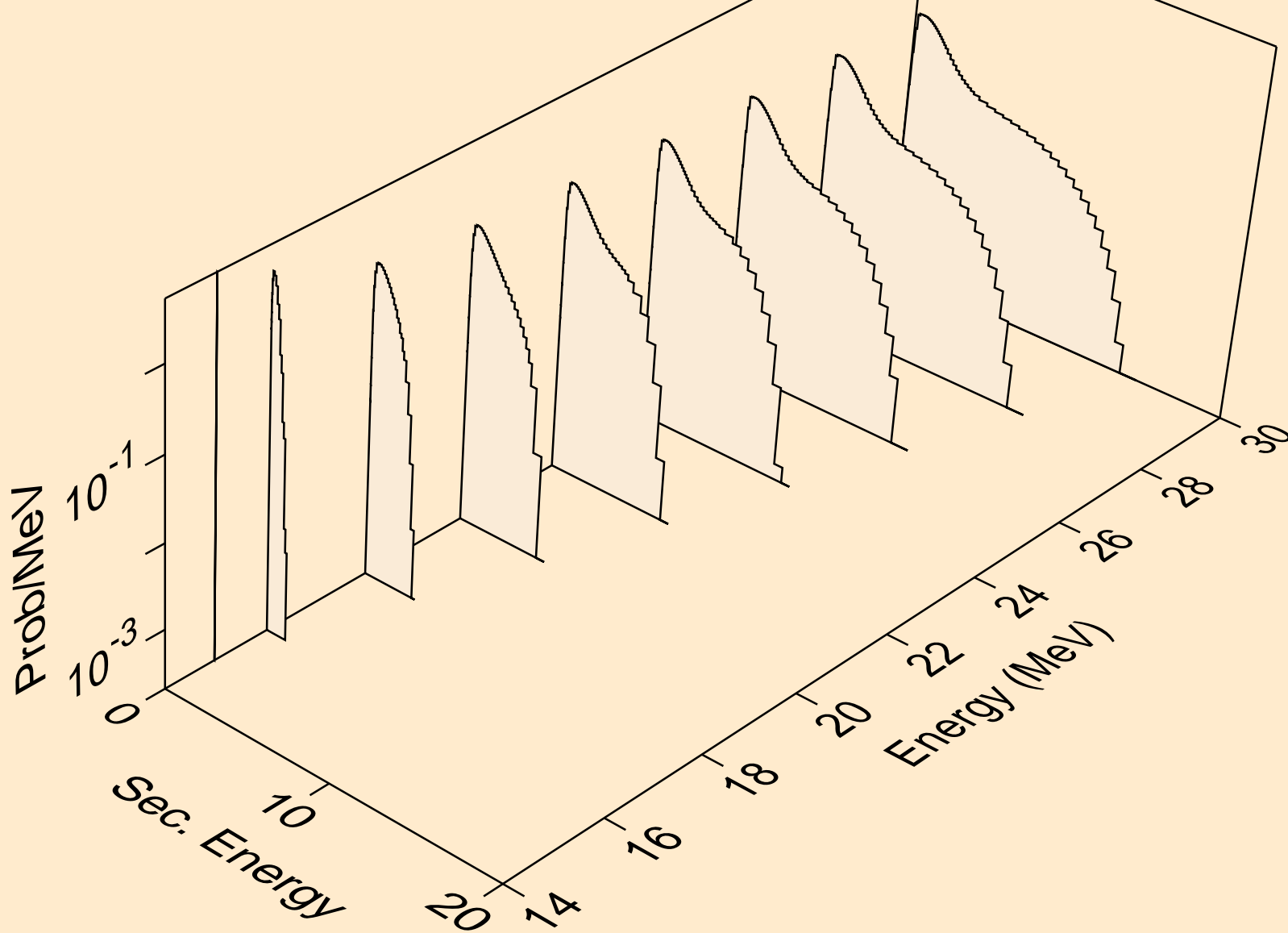
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2nd)



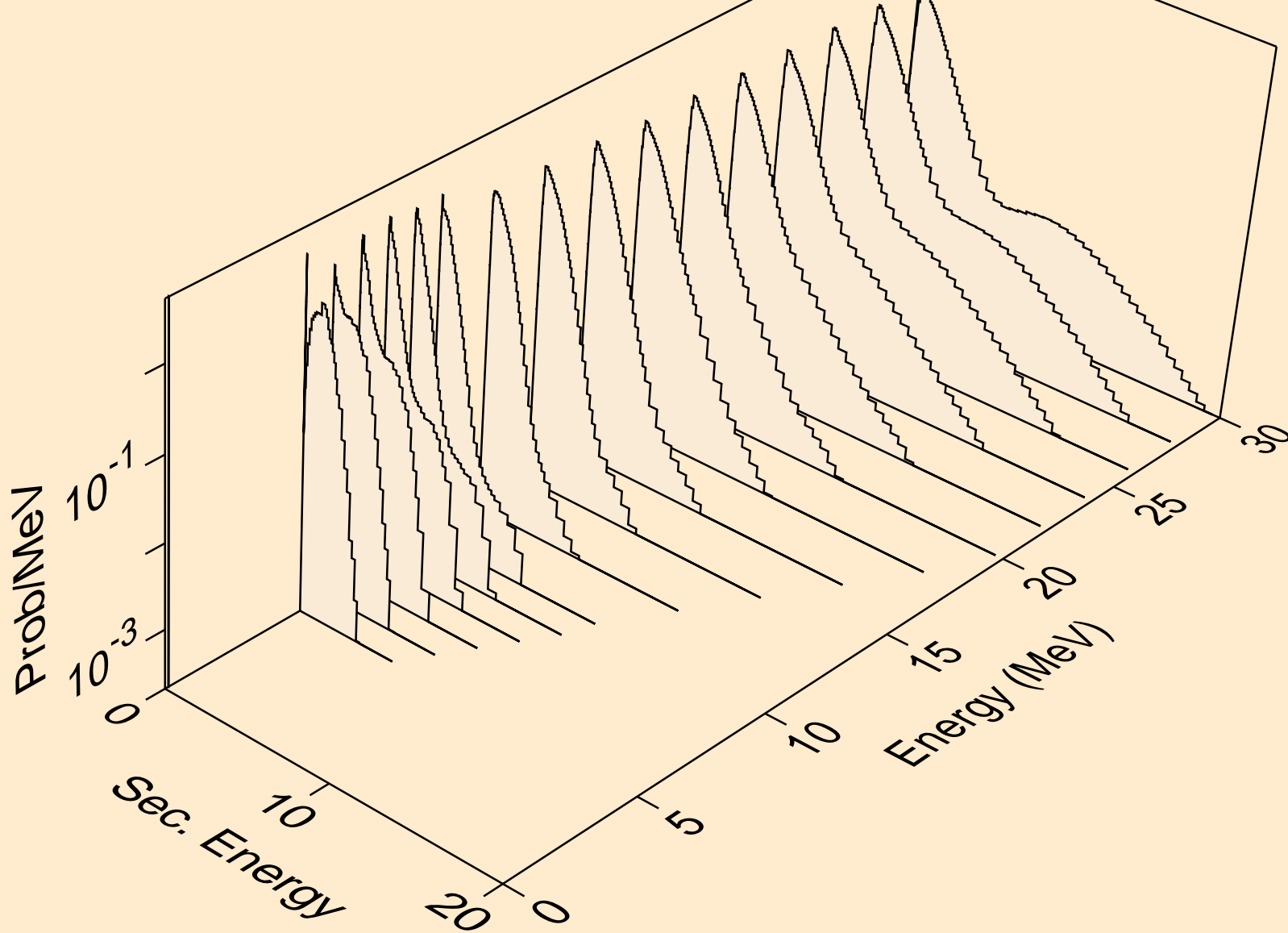
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)



SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3n)

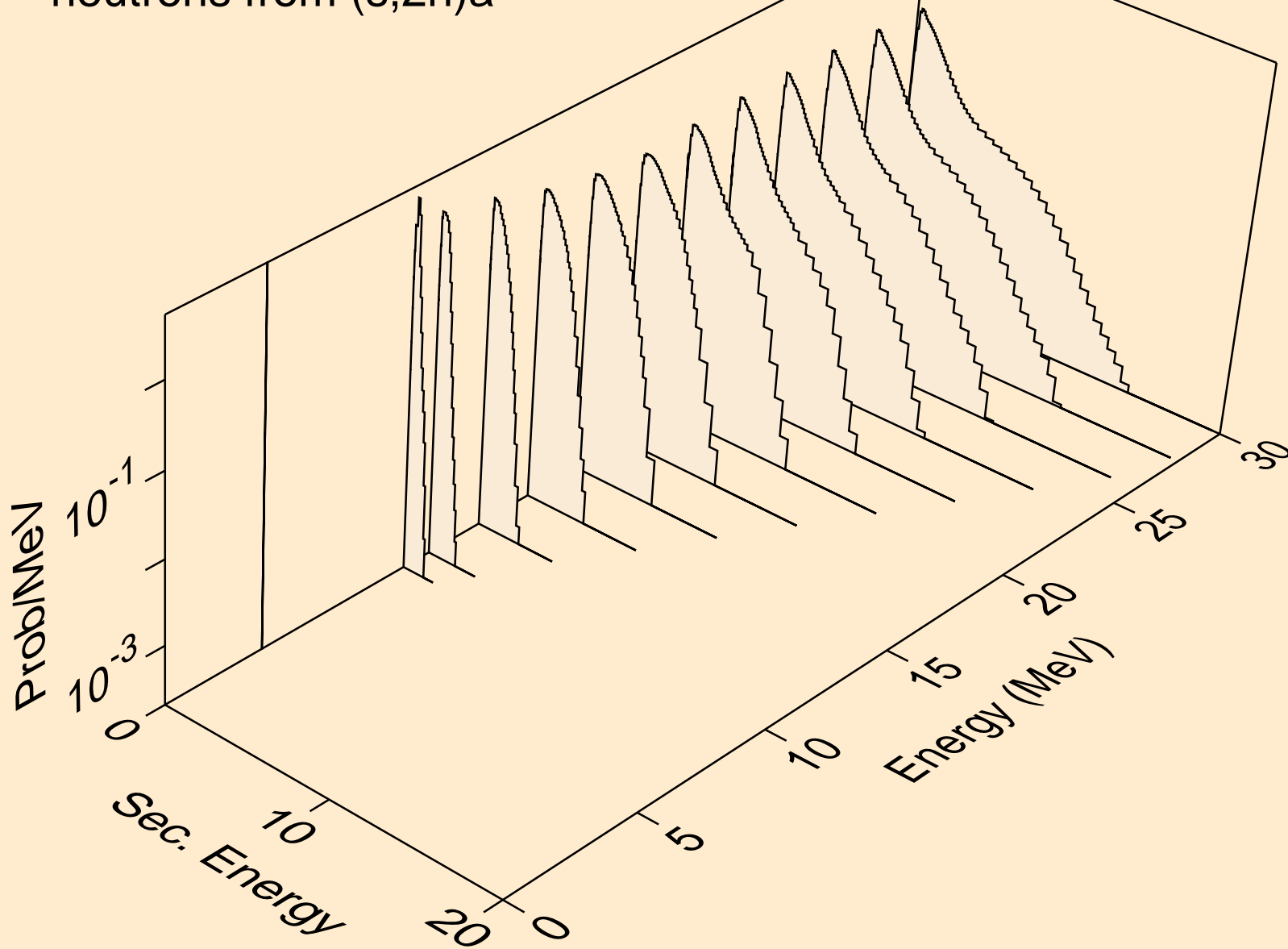


SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a

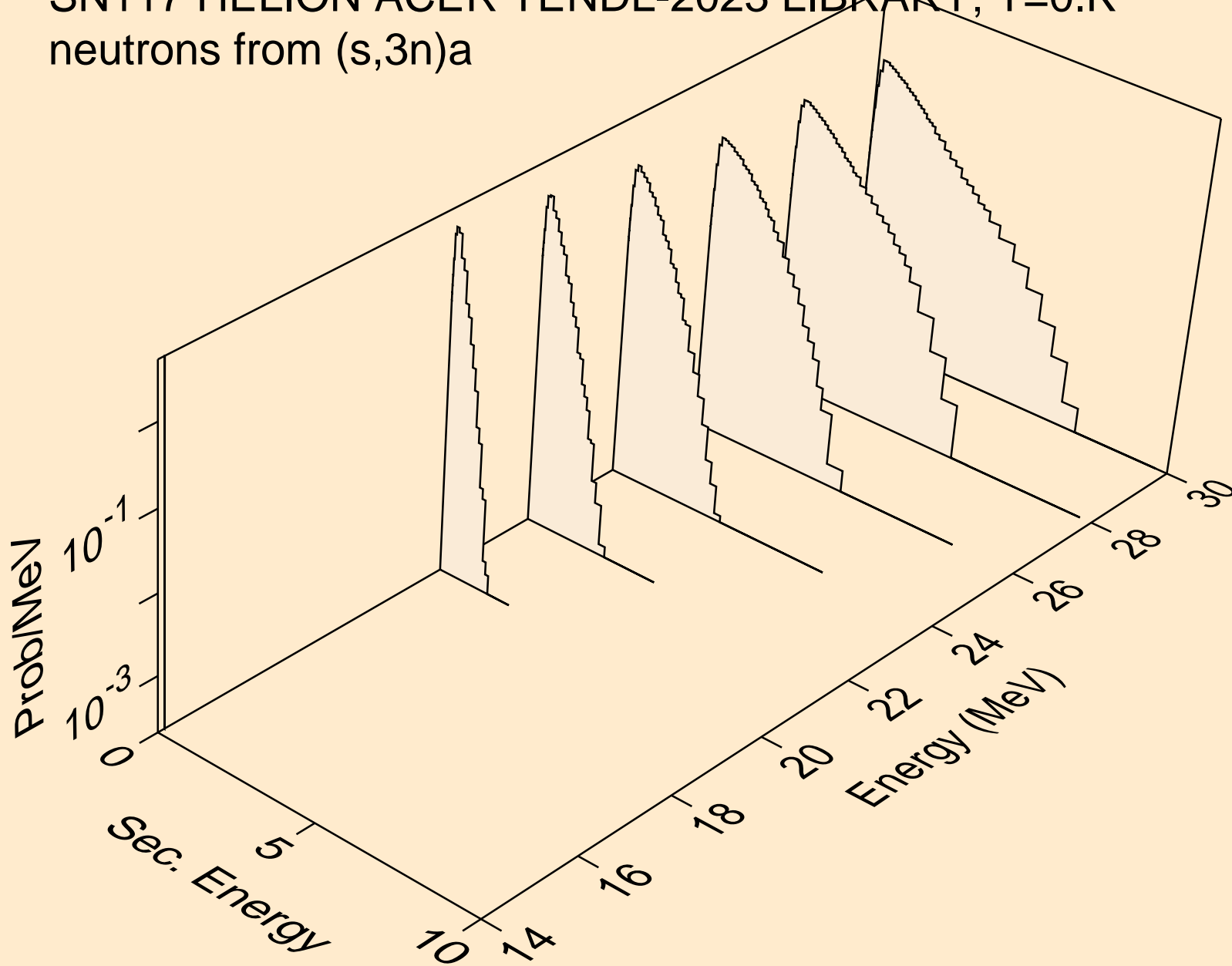




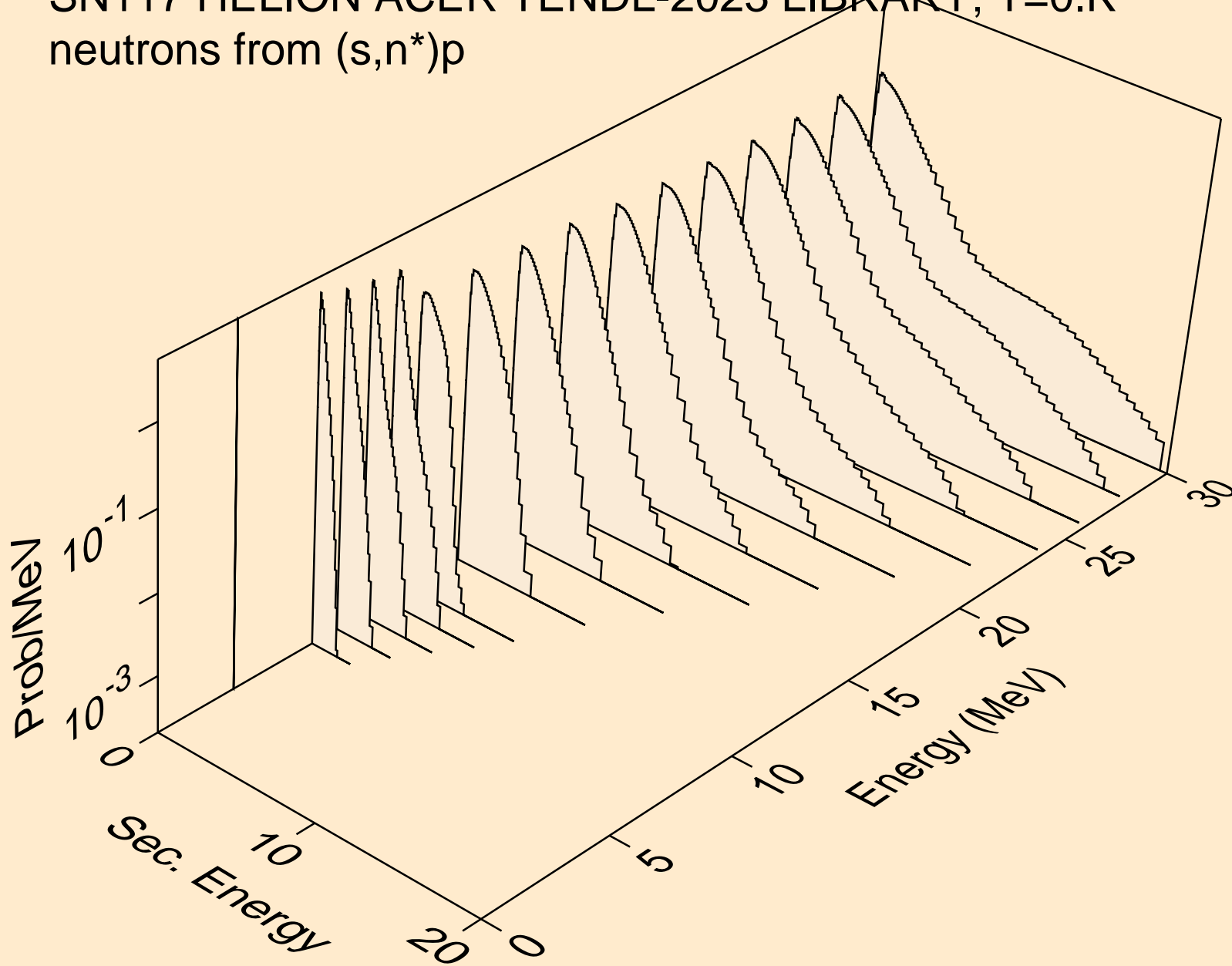
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)a



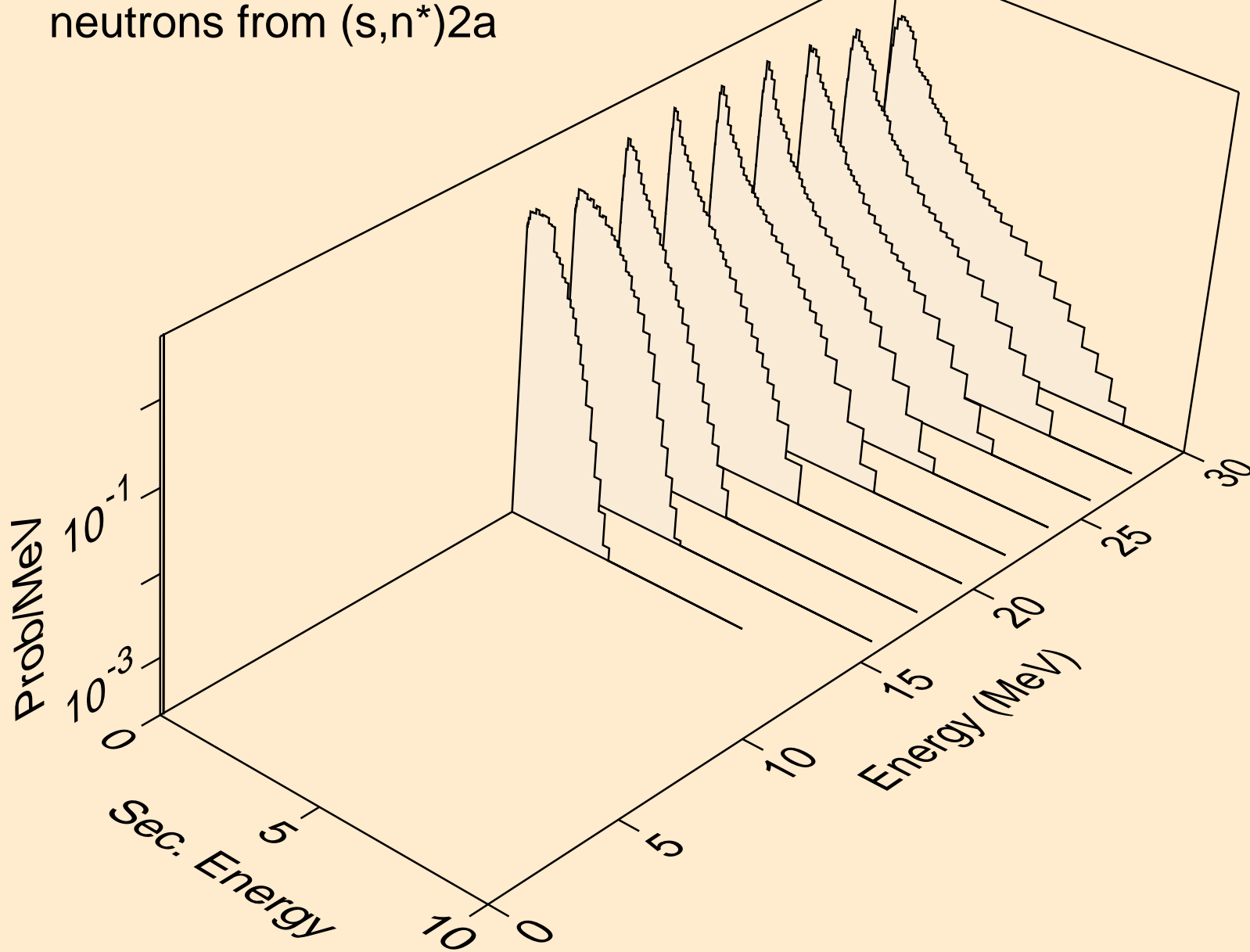
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3n)a



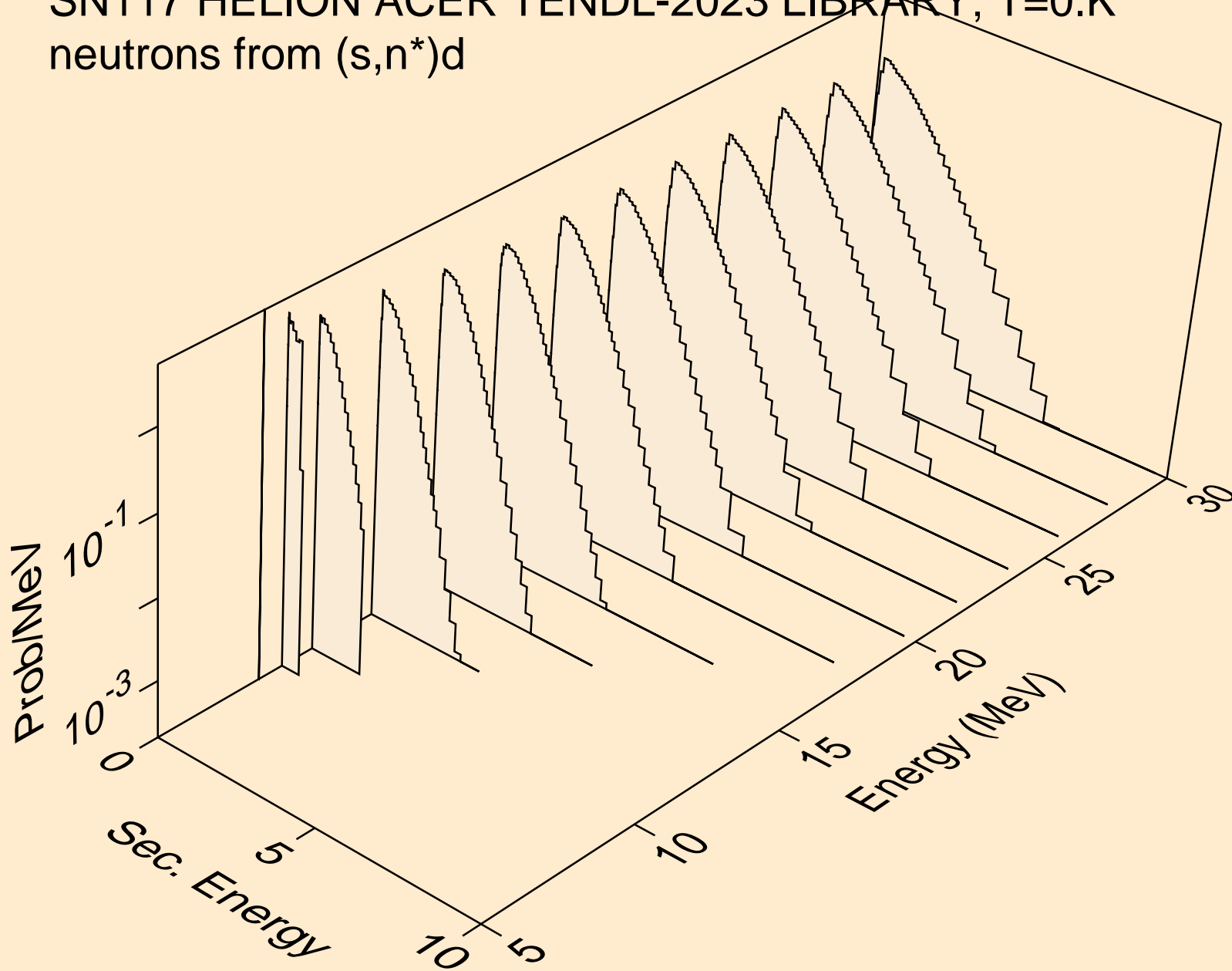
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)p



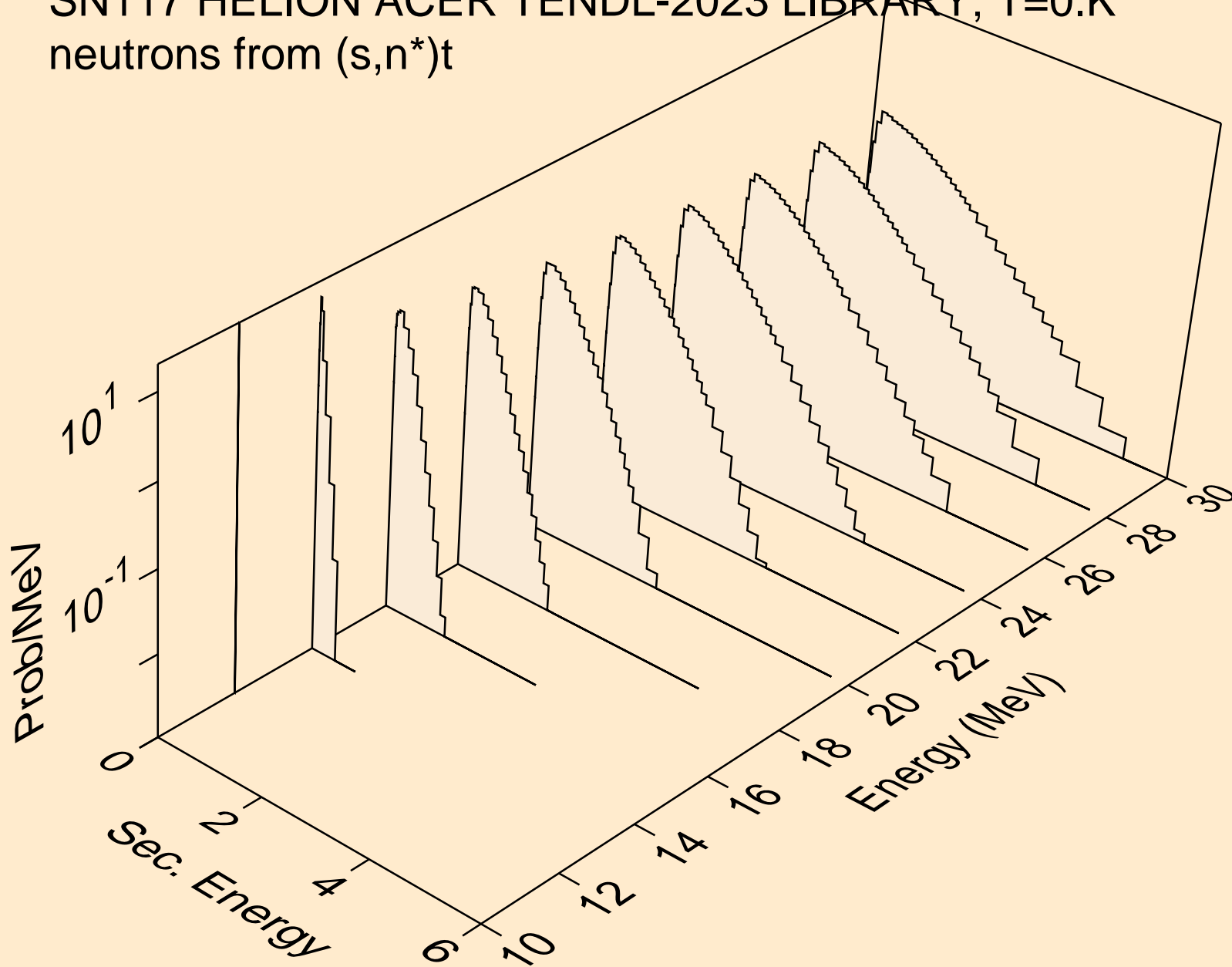
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)2a



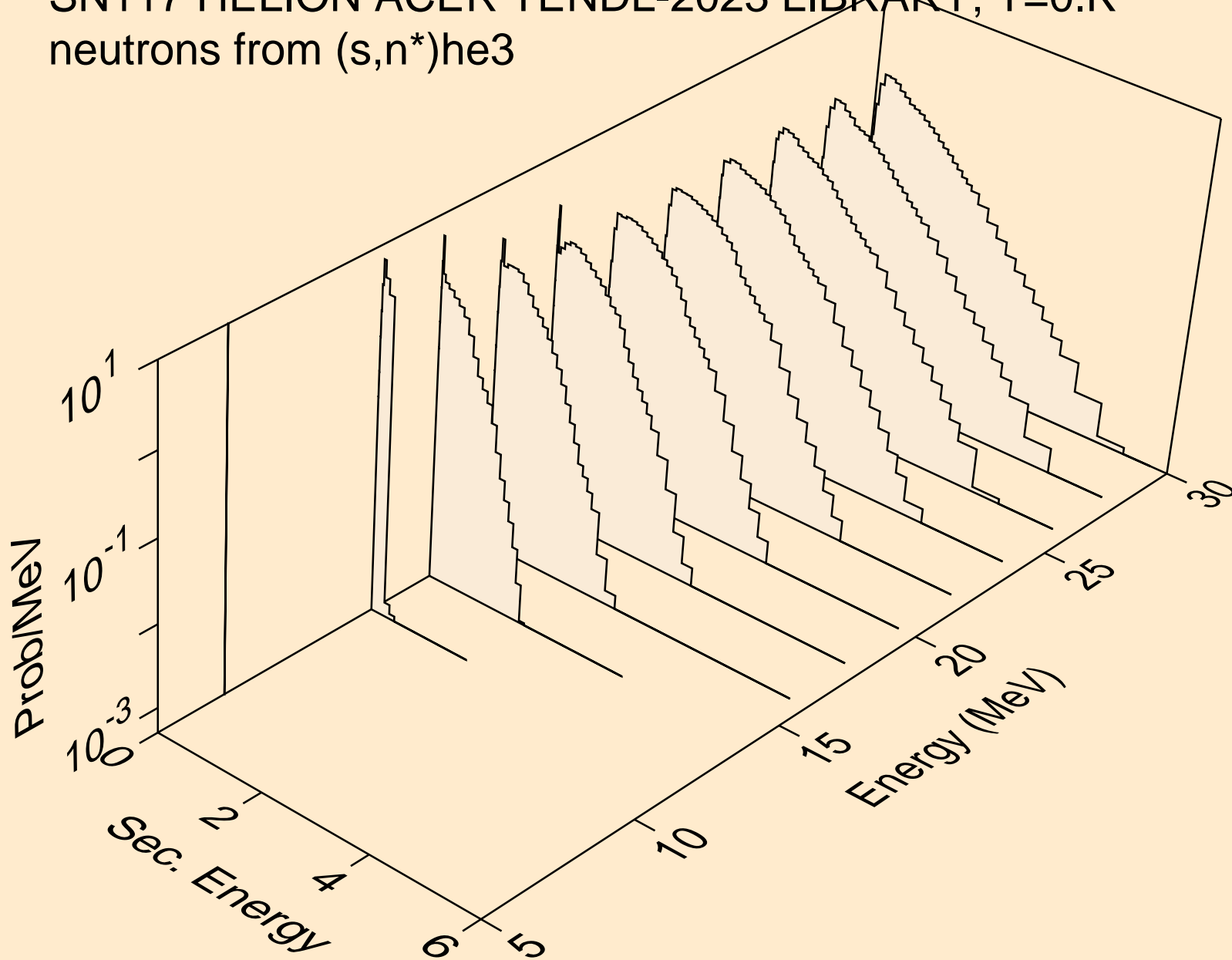
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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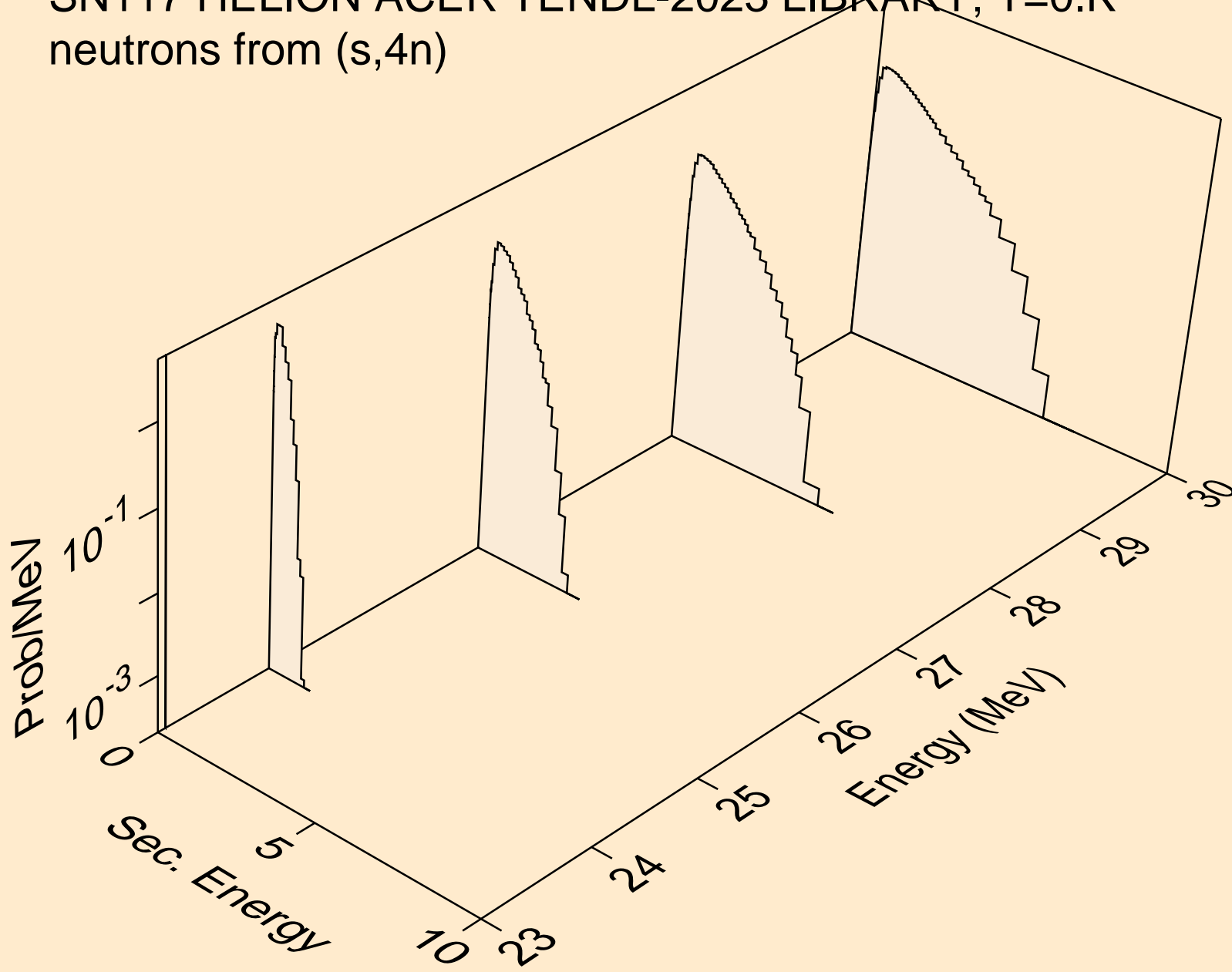
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)t



SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)he3

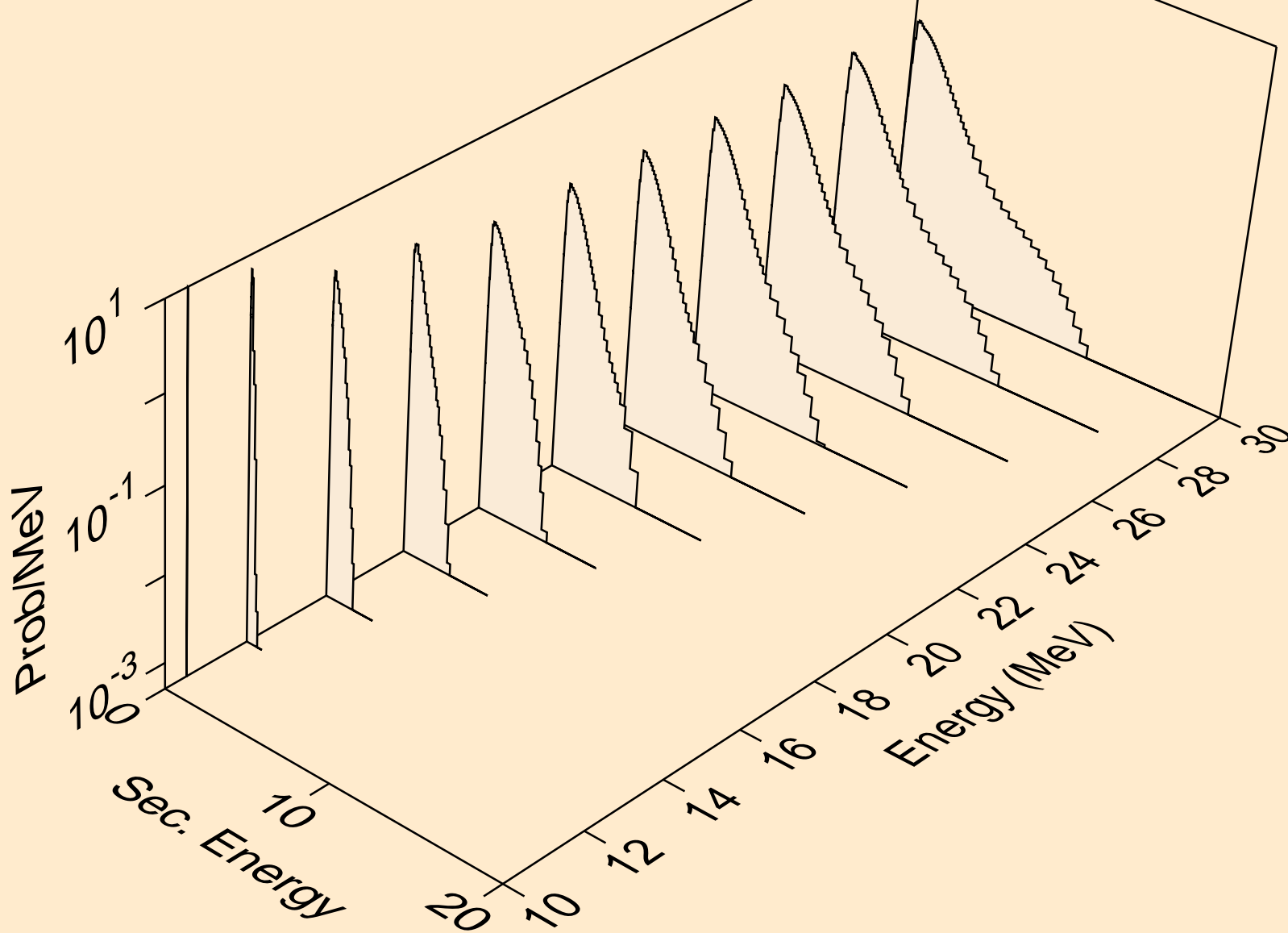


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neutrons from (s,4n)

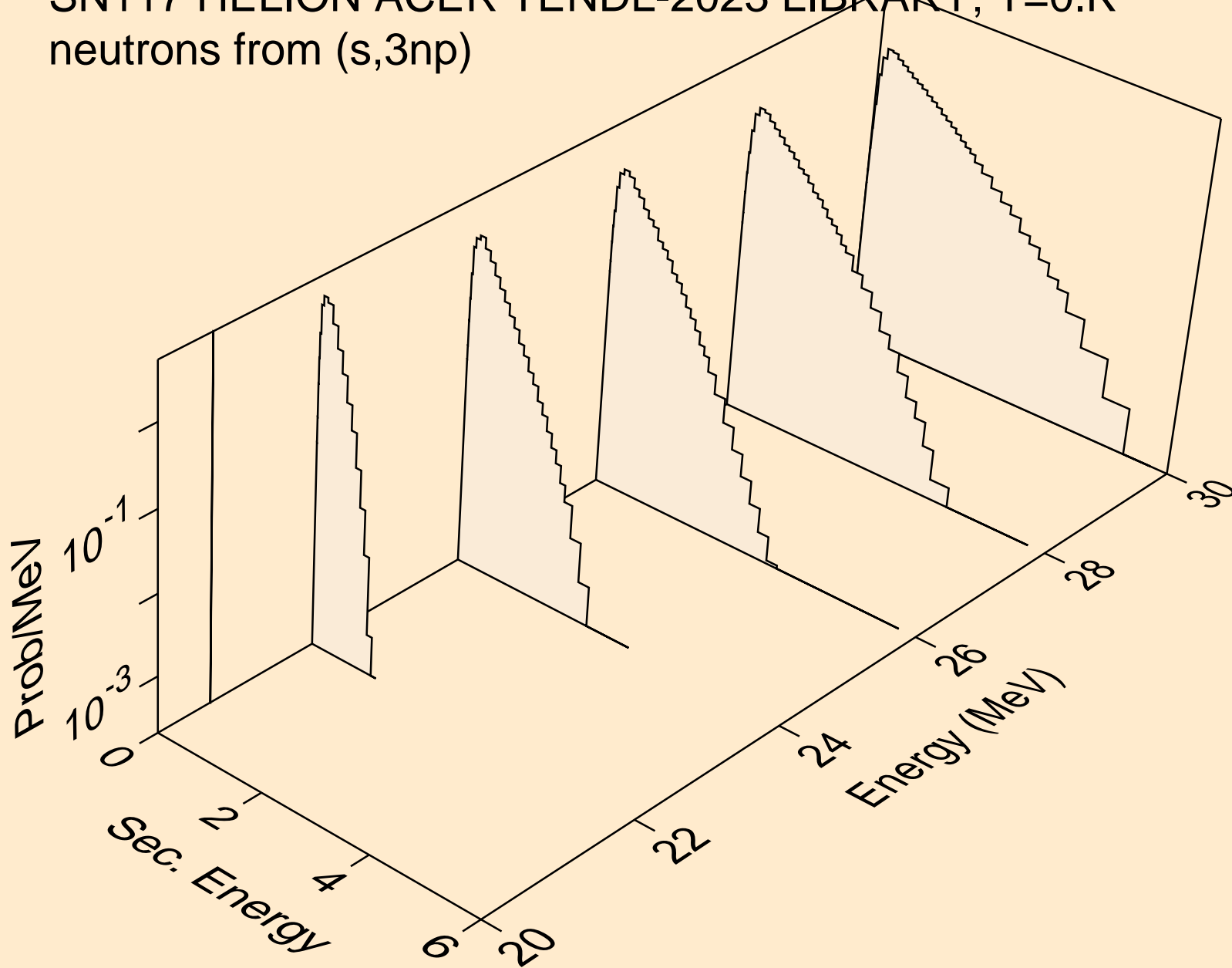




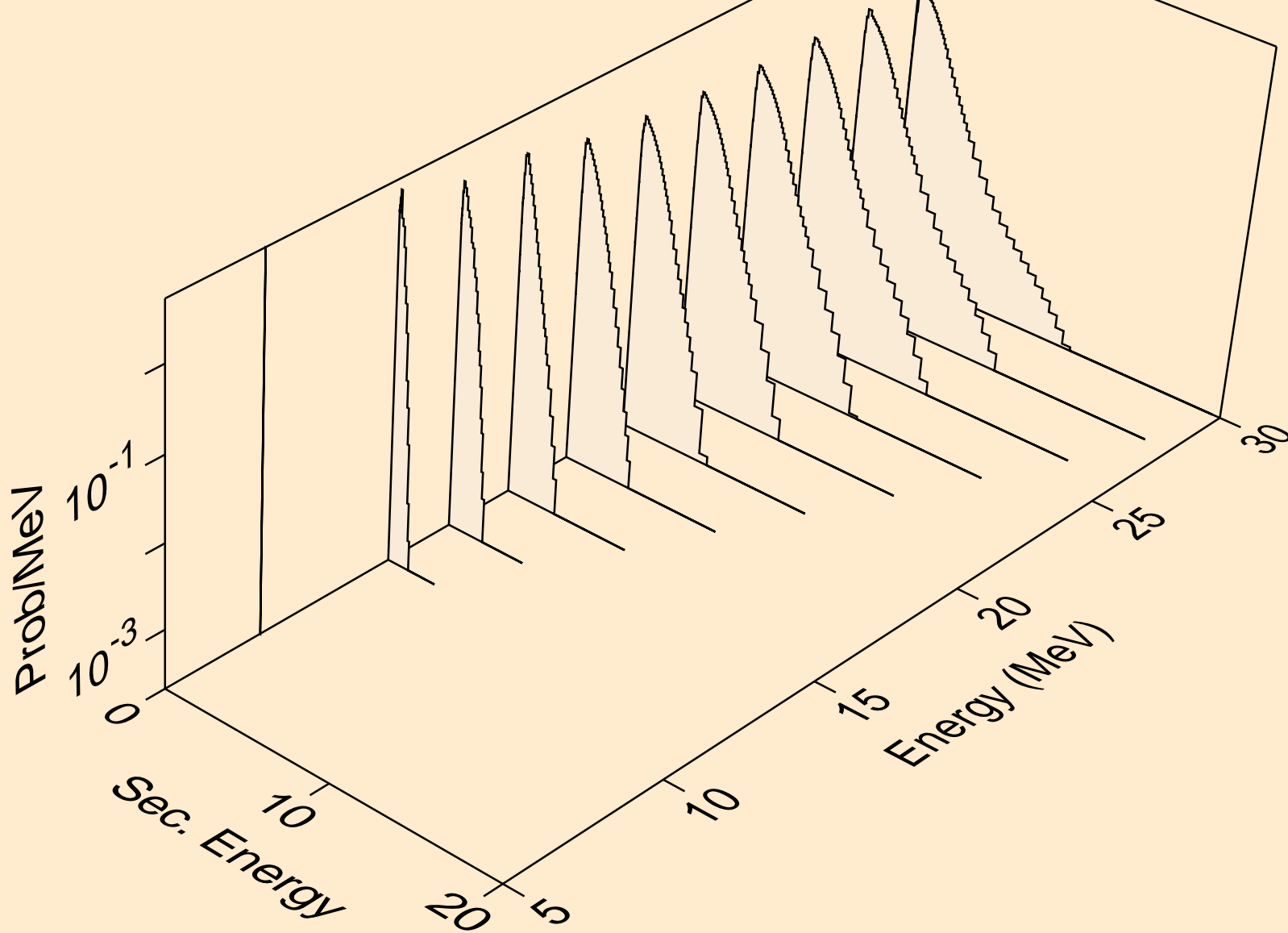
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neutrons from (s,2np)



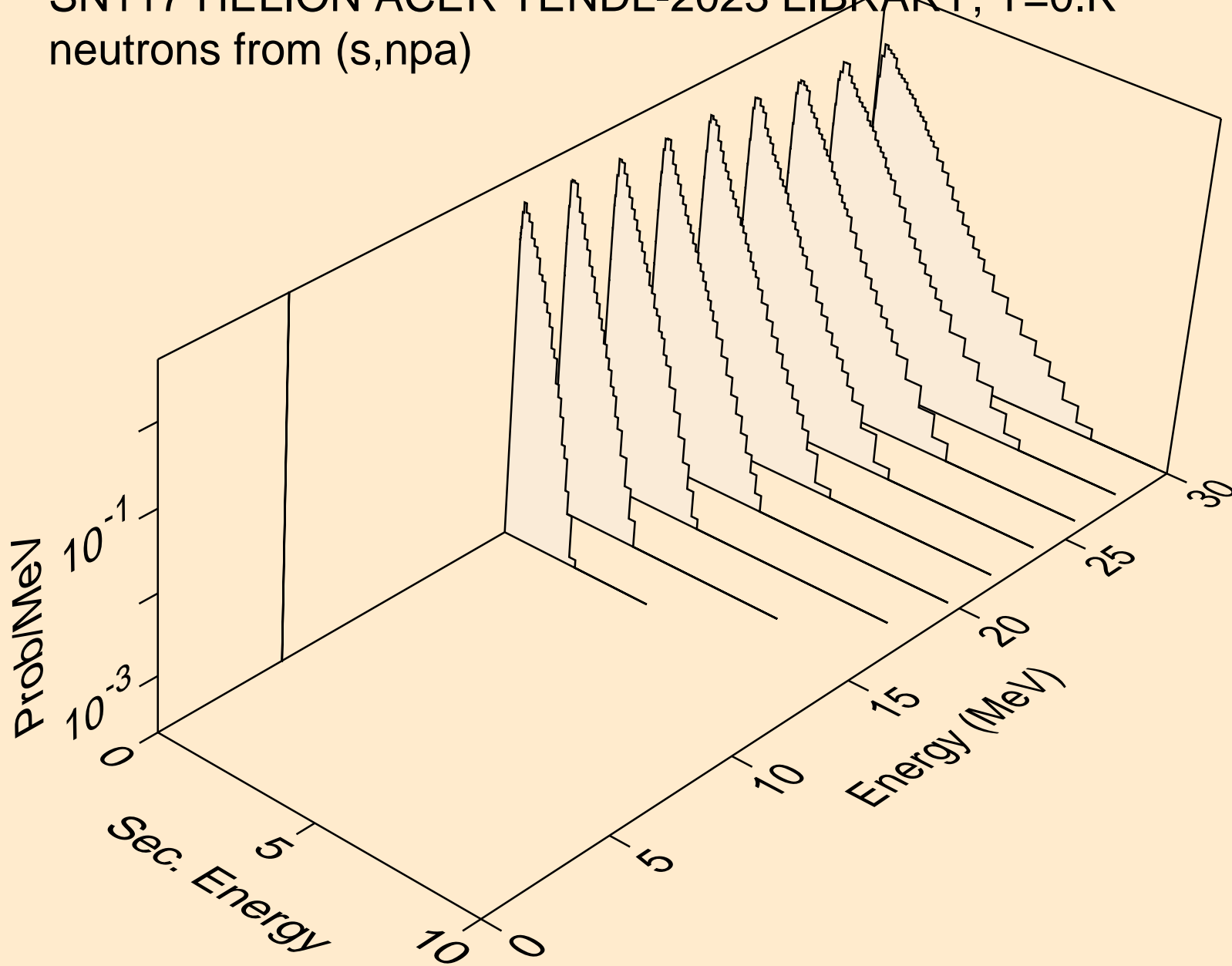
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neutrons from (s,3np)



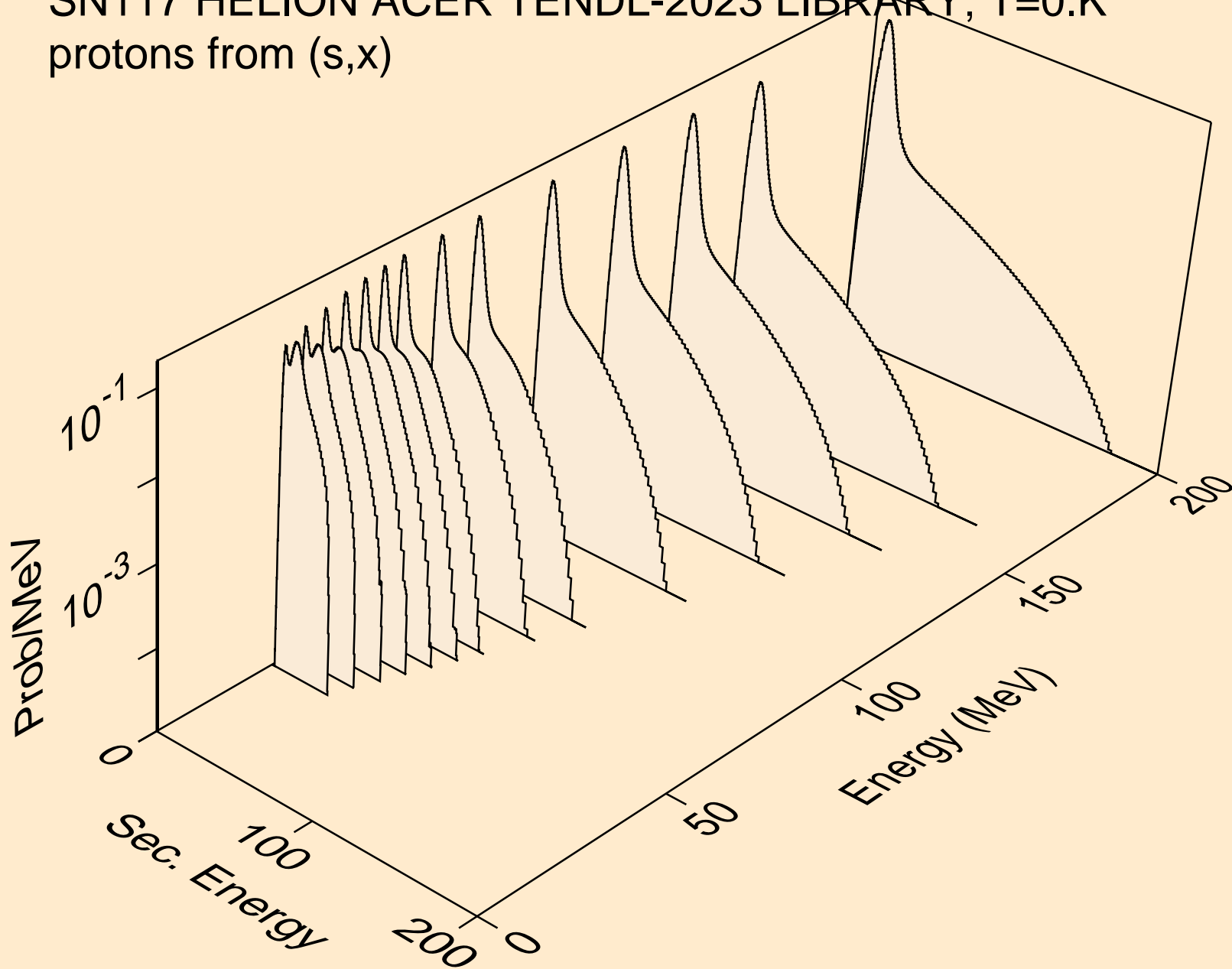
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n2p)



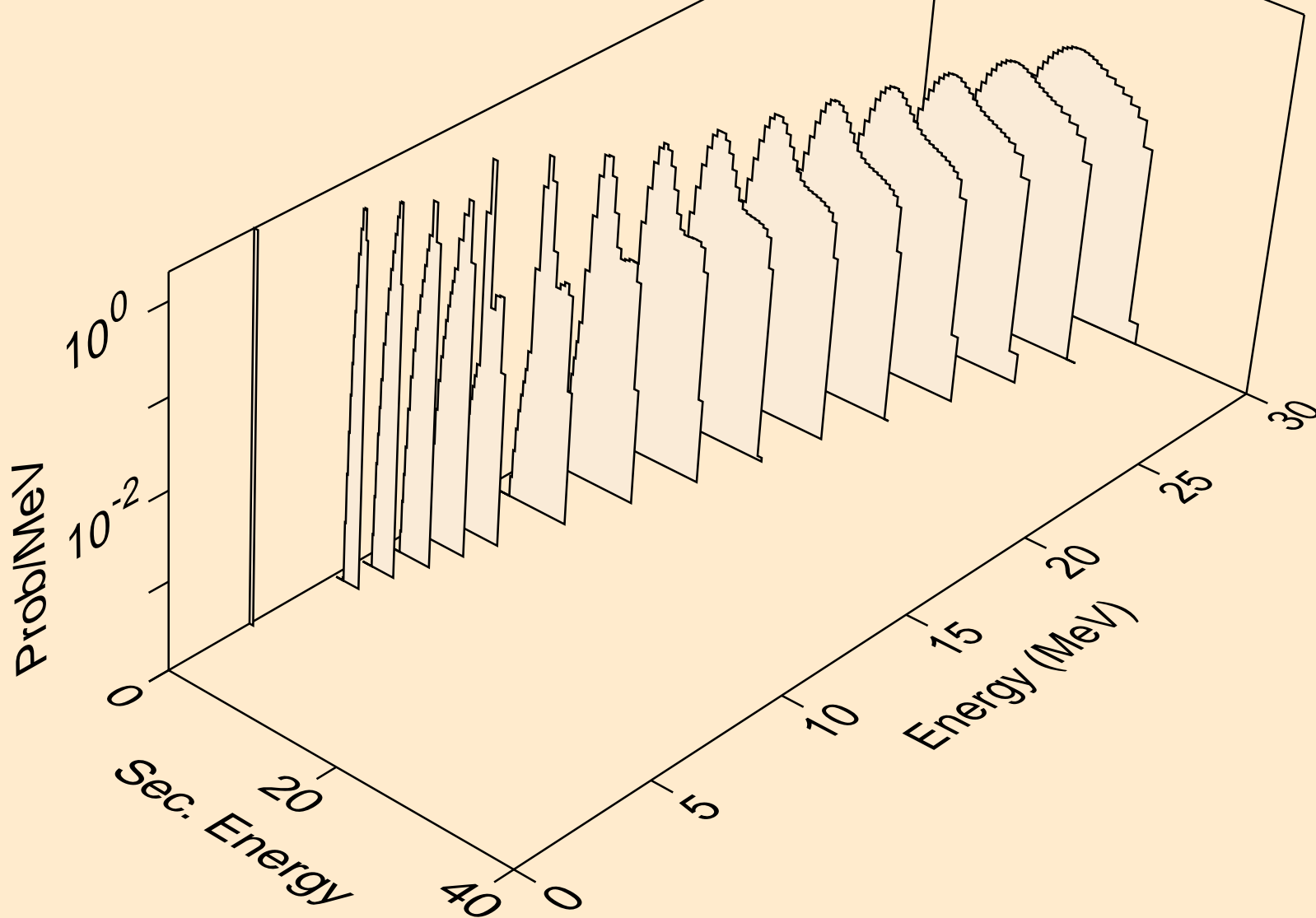
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,npa)



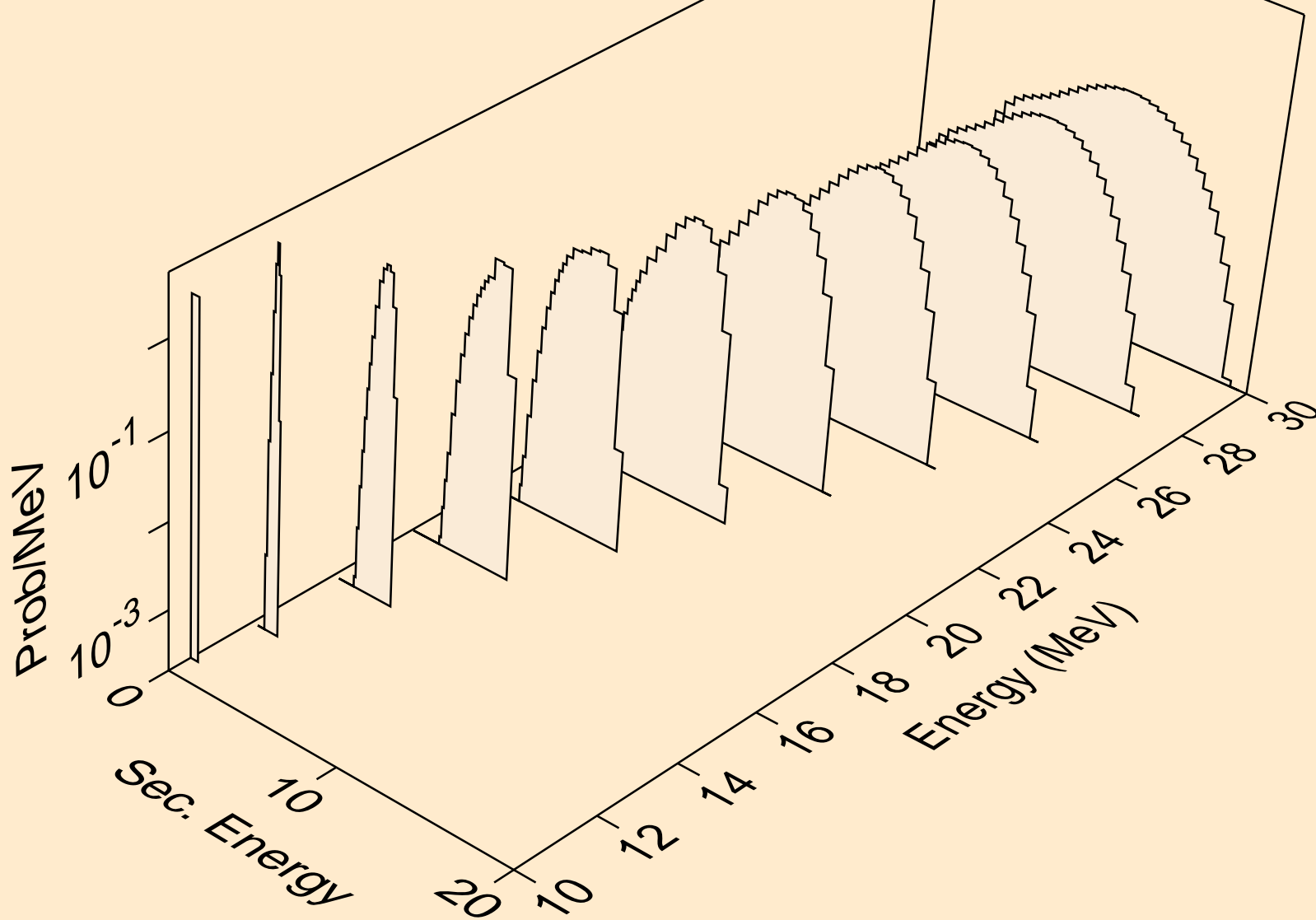
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,x)



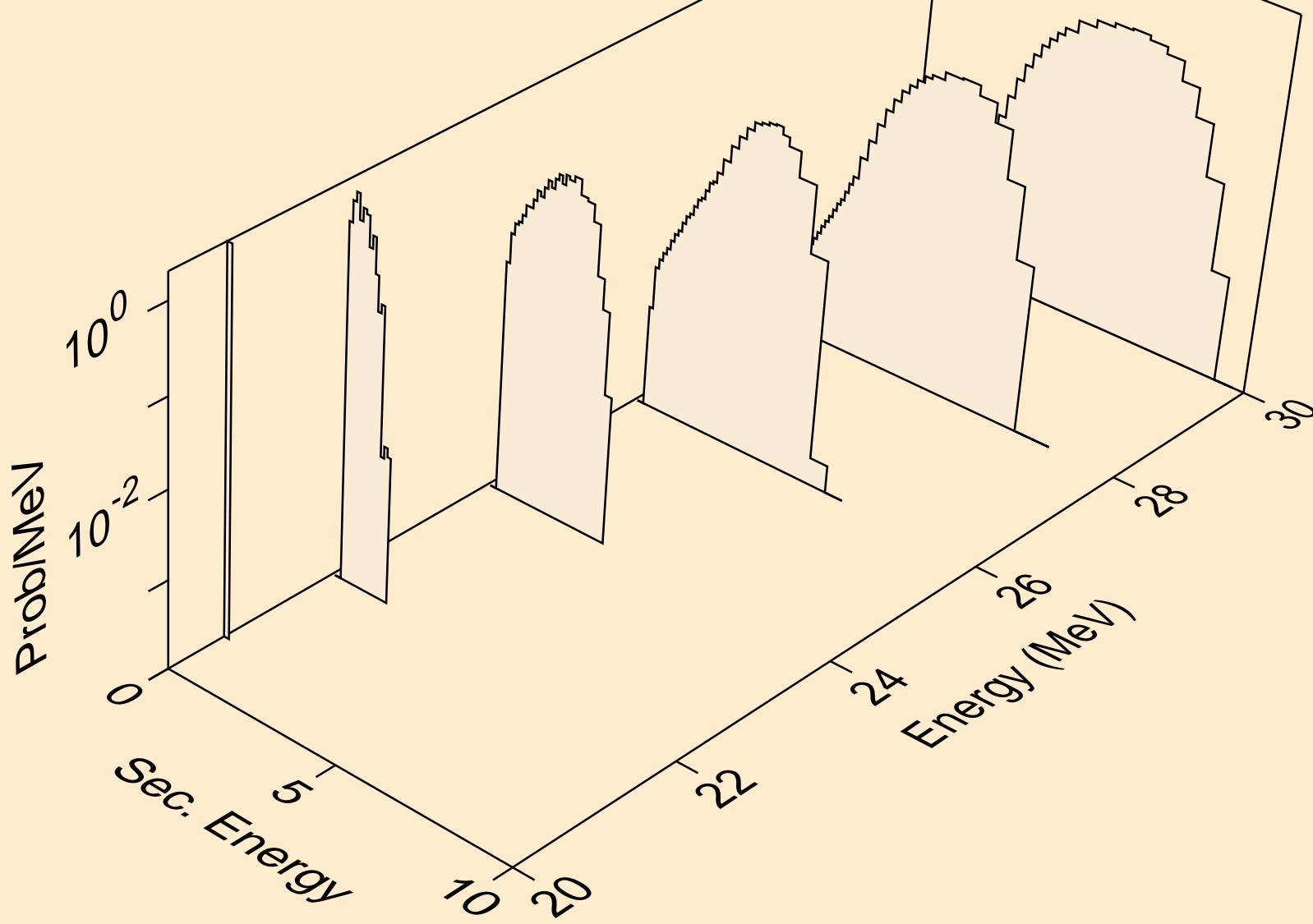
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,n\*)p



SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,2np)

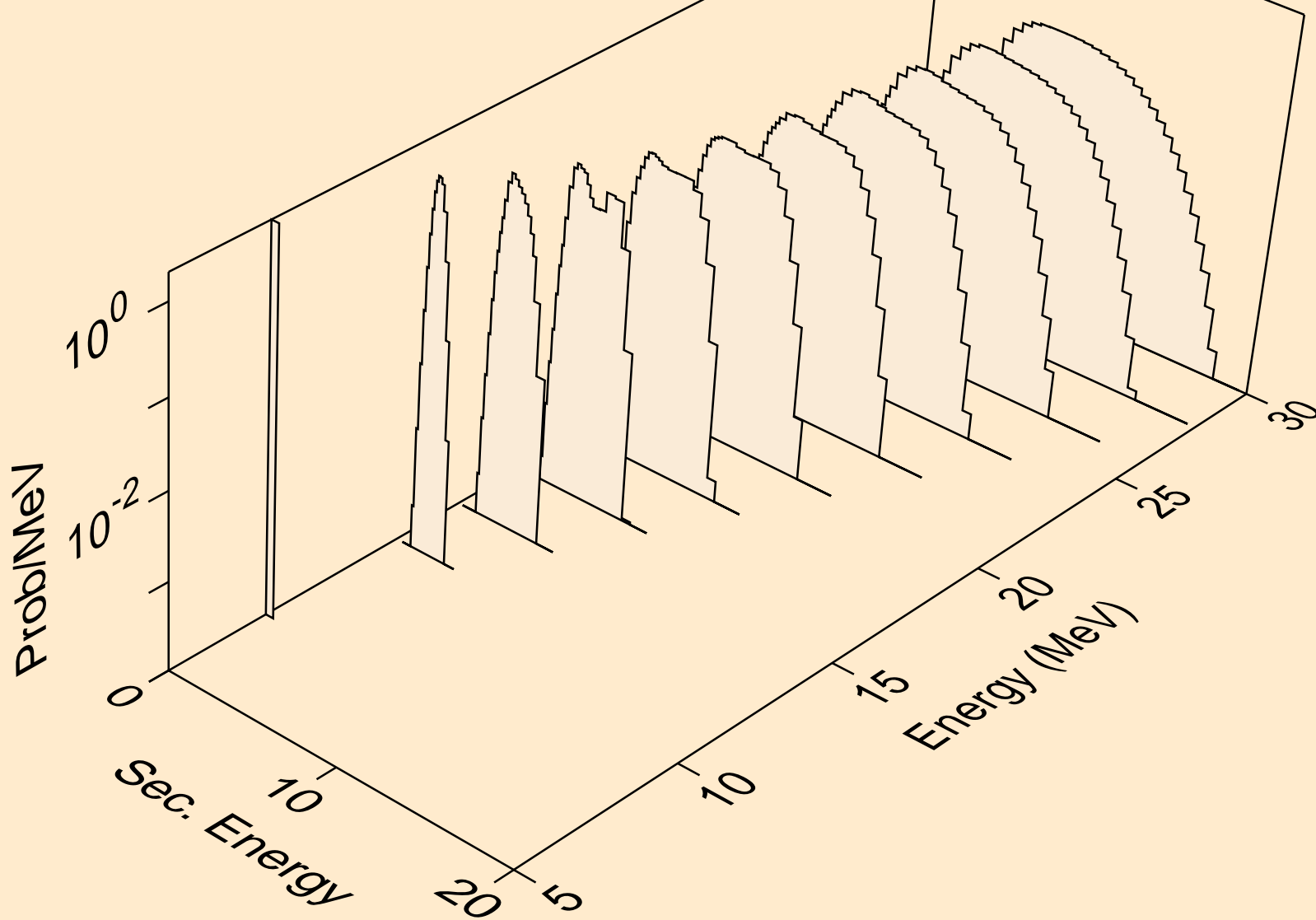


SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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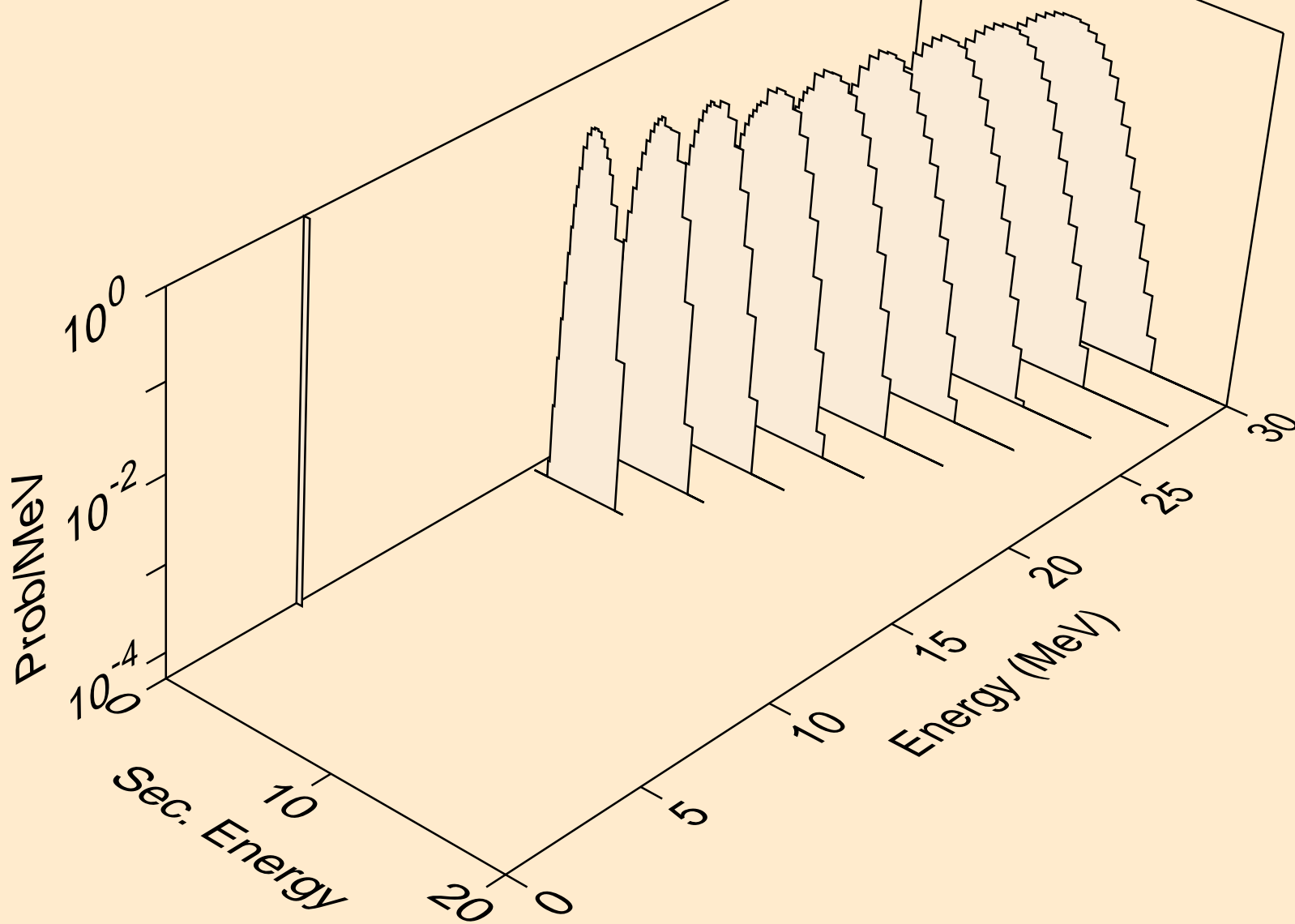




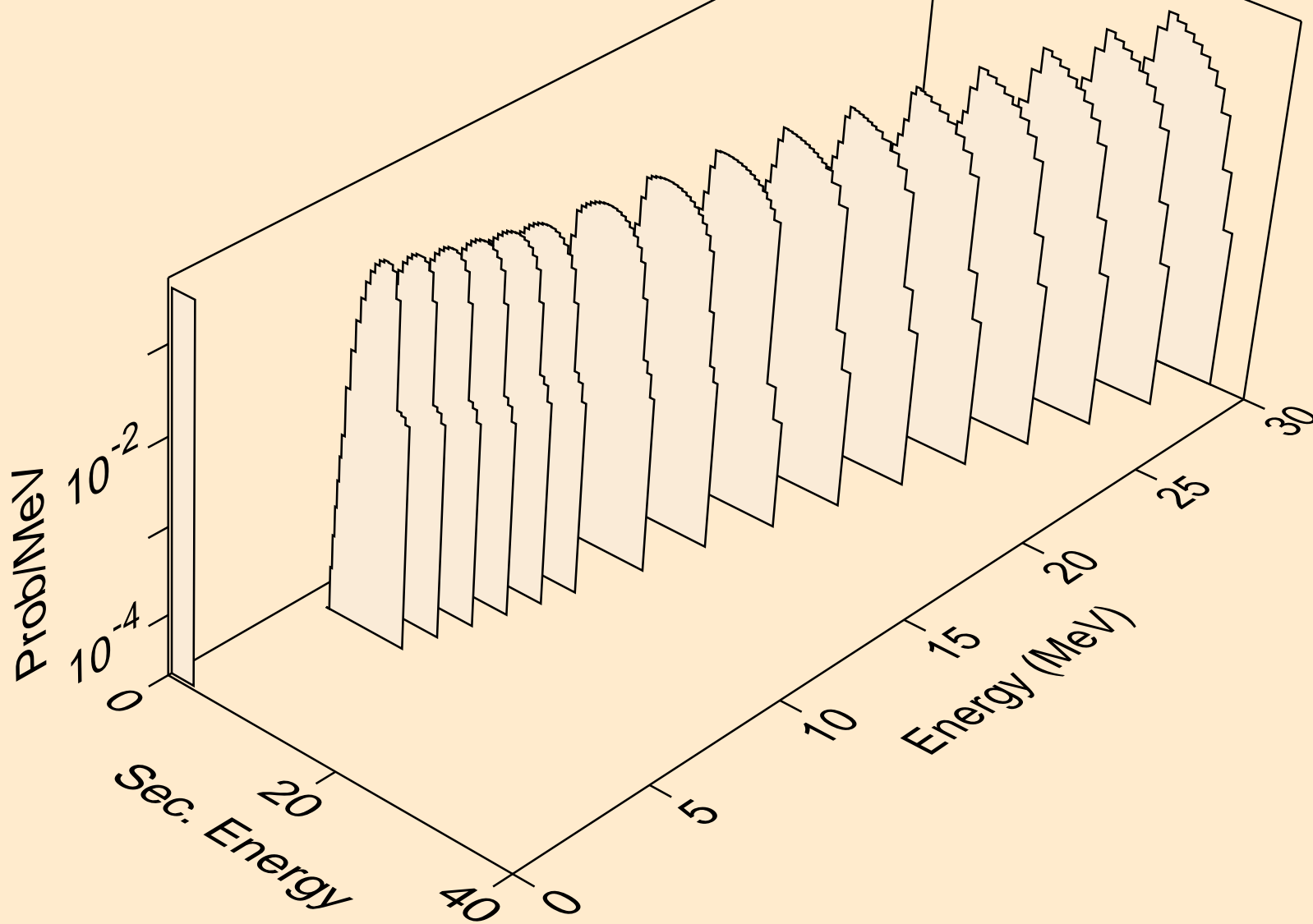
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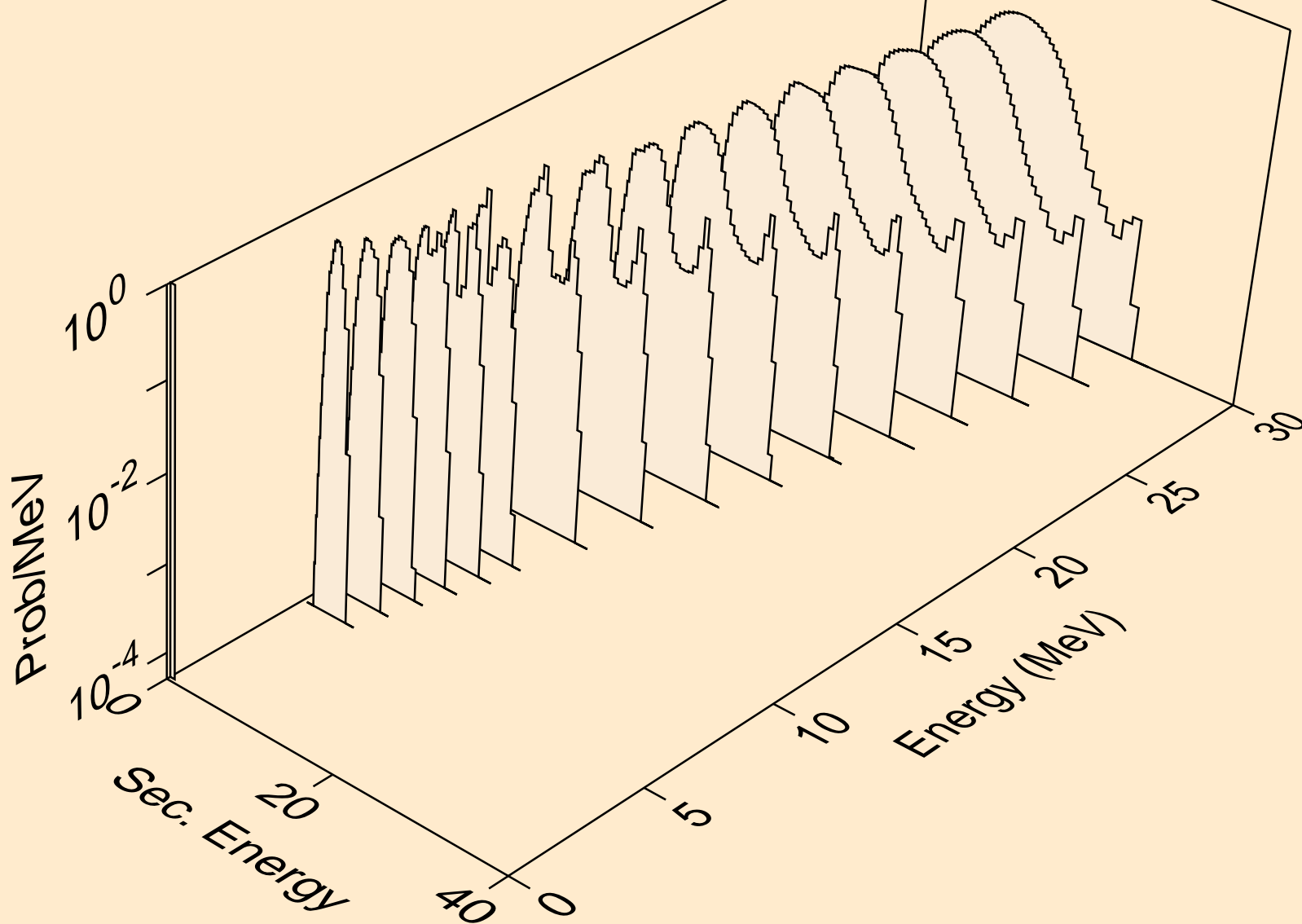
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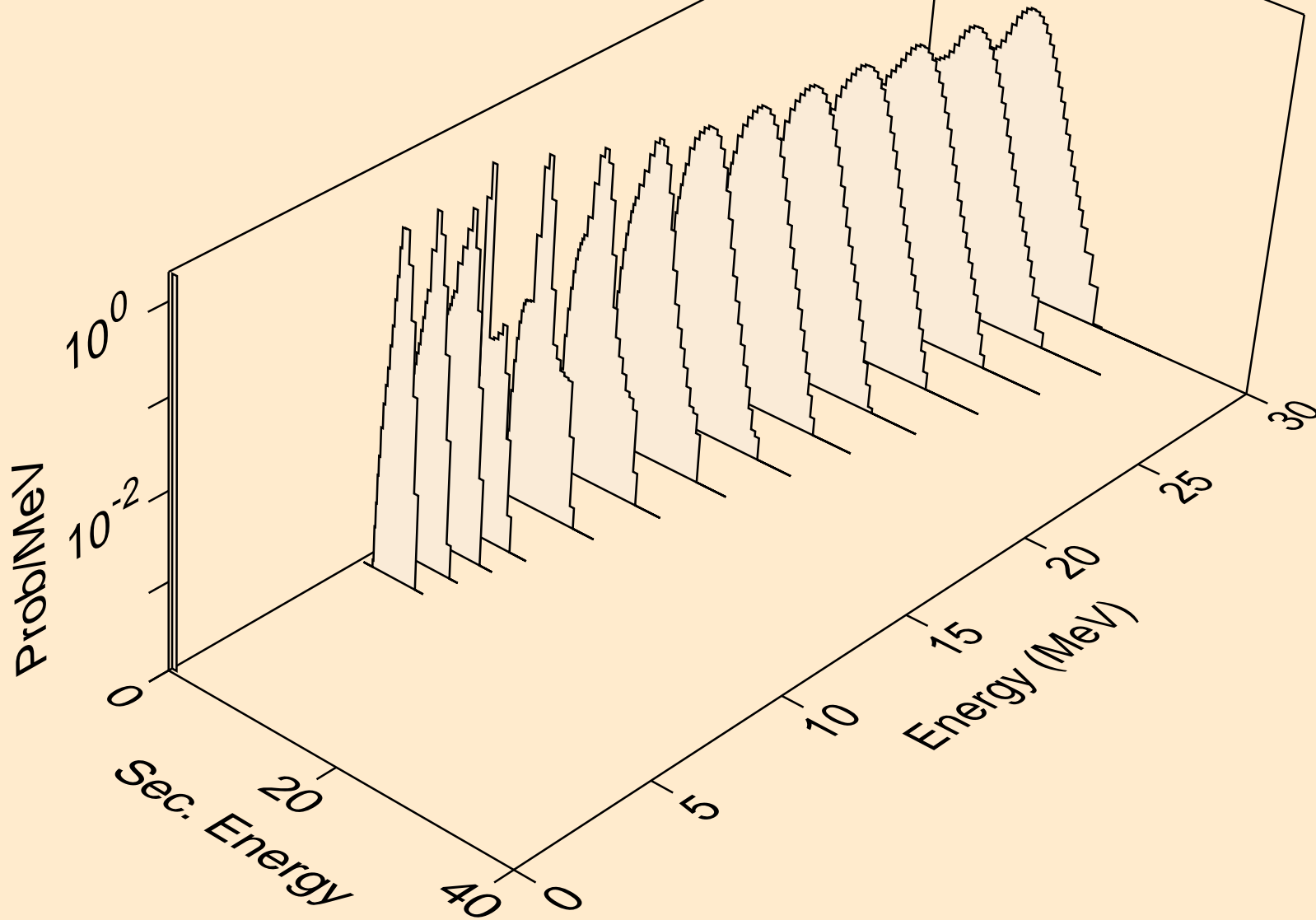
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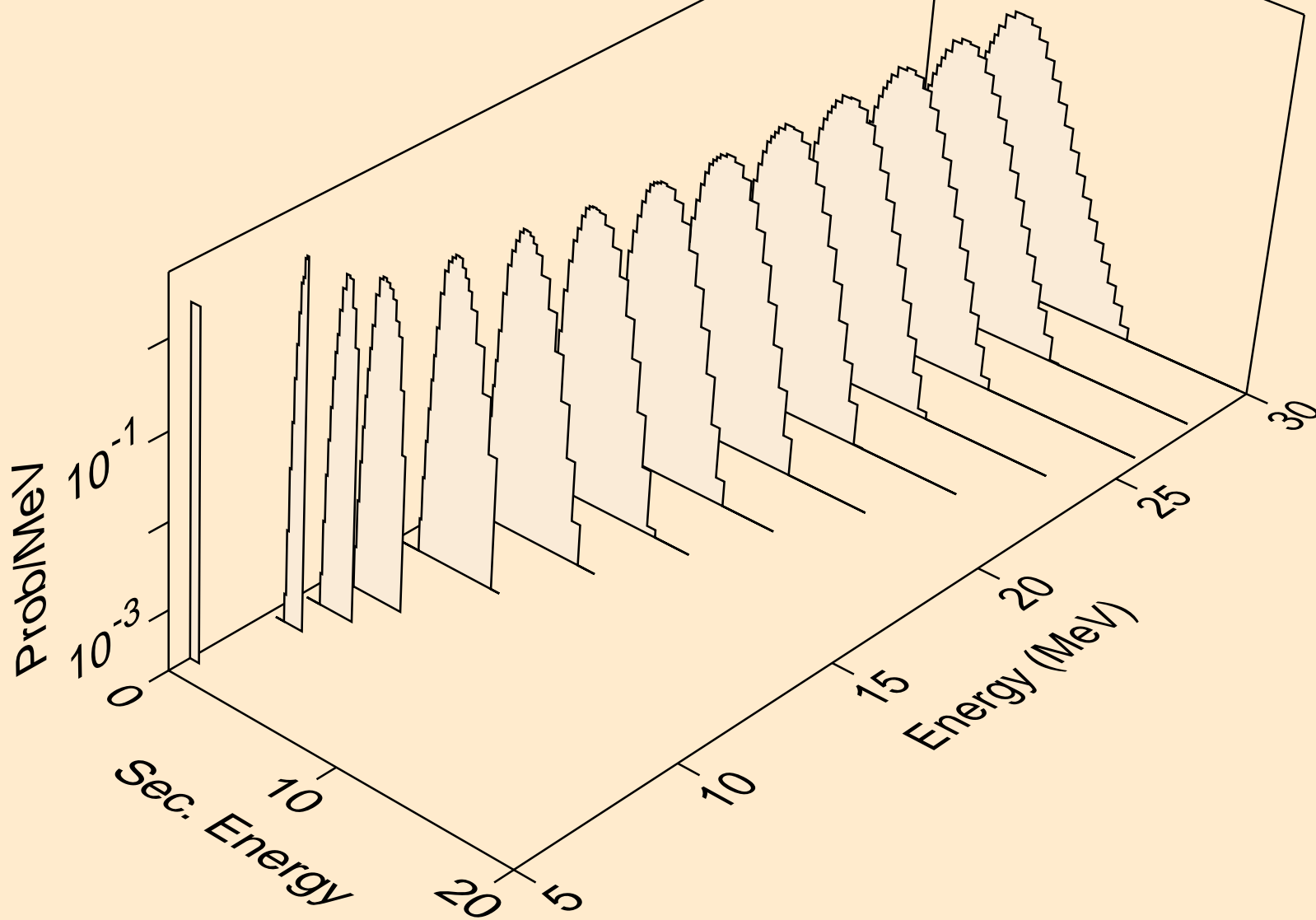
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protons from (s,2p)



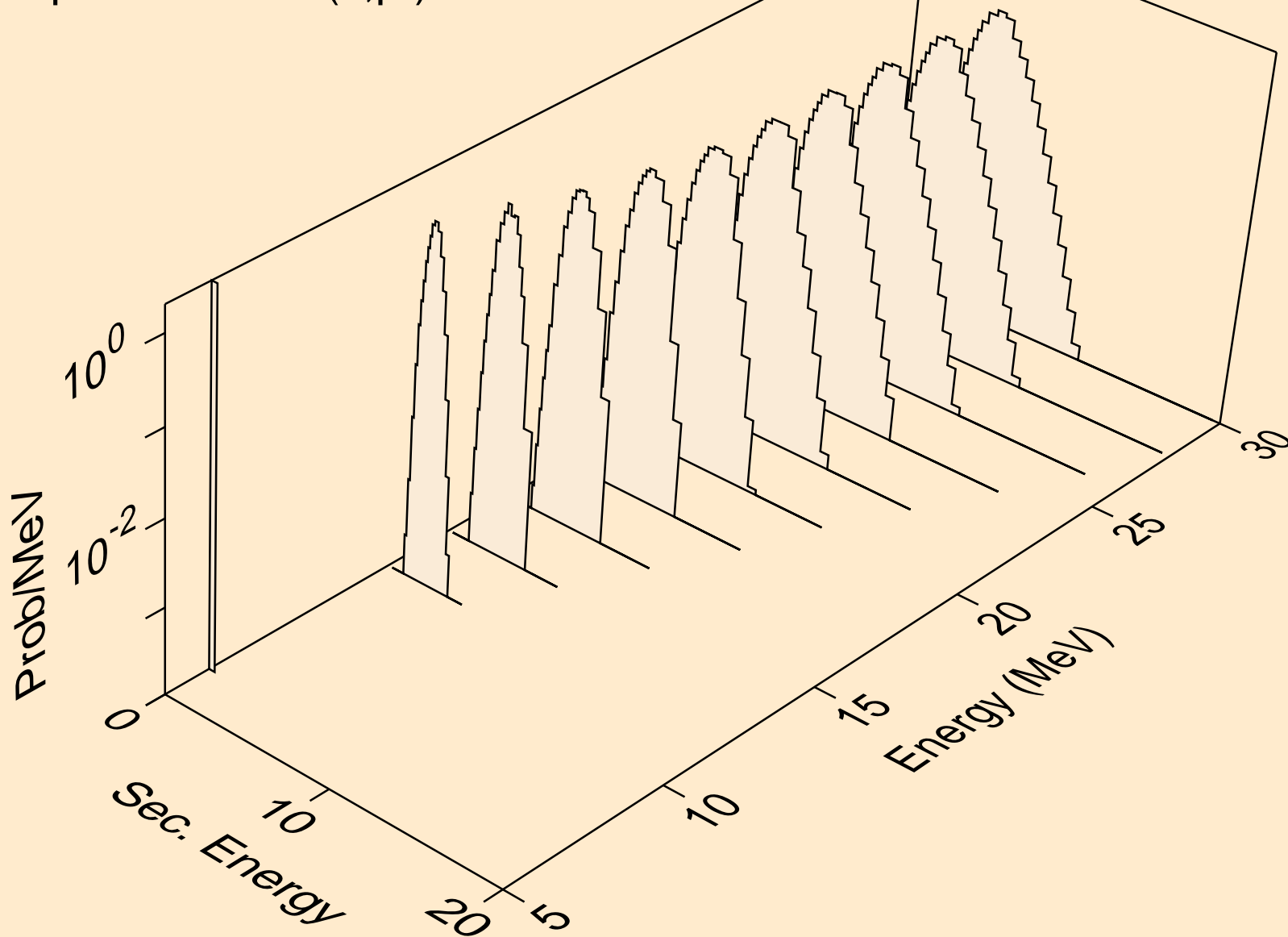
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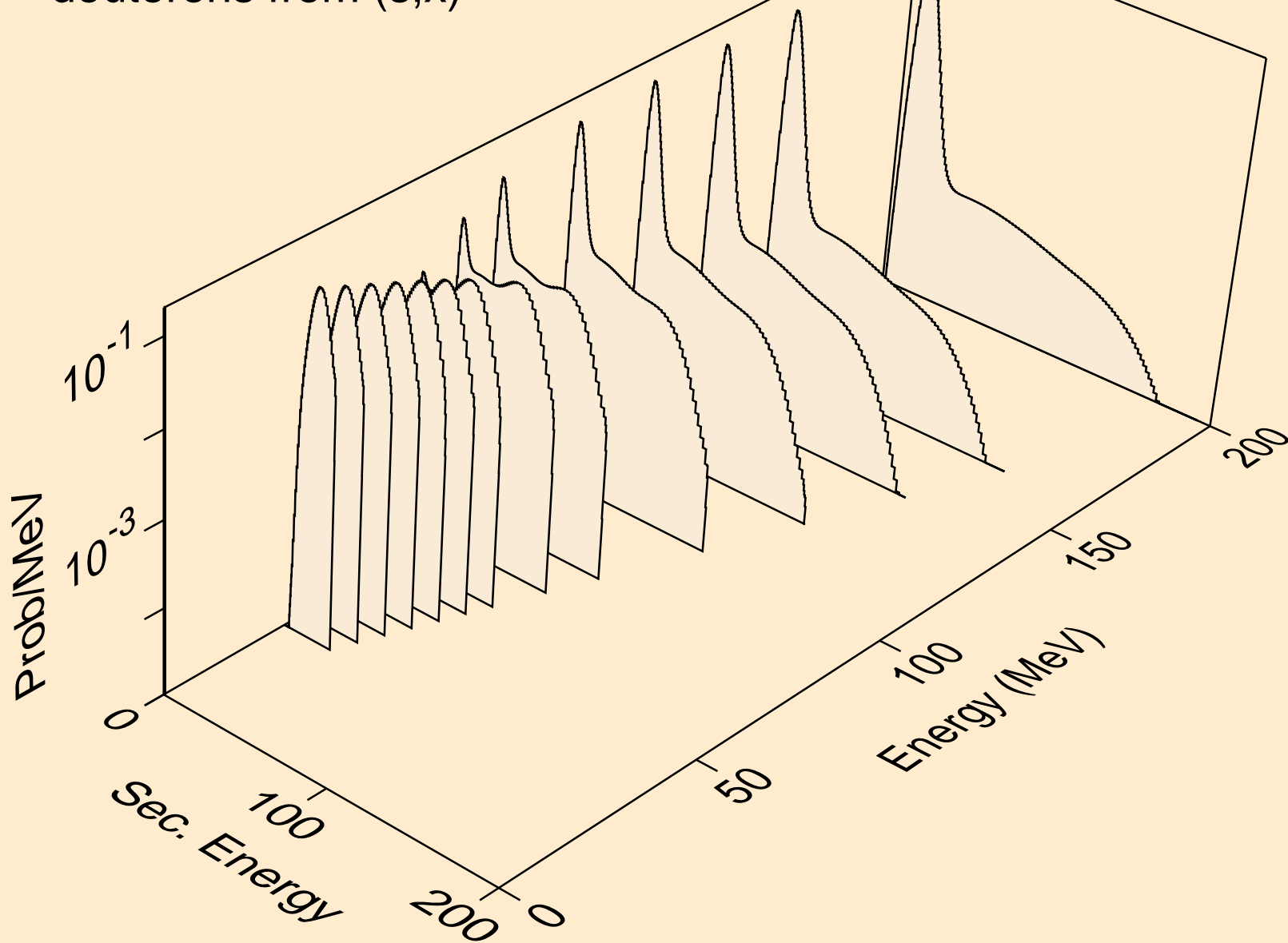
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pd)



SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pt)

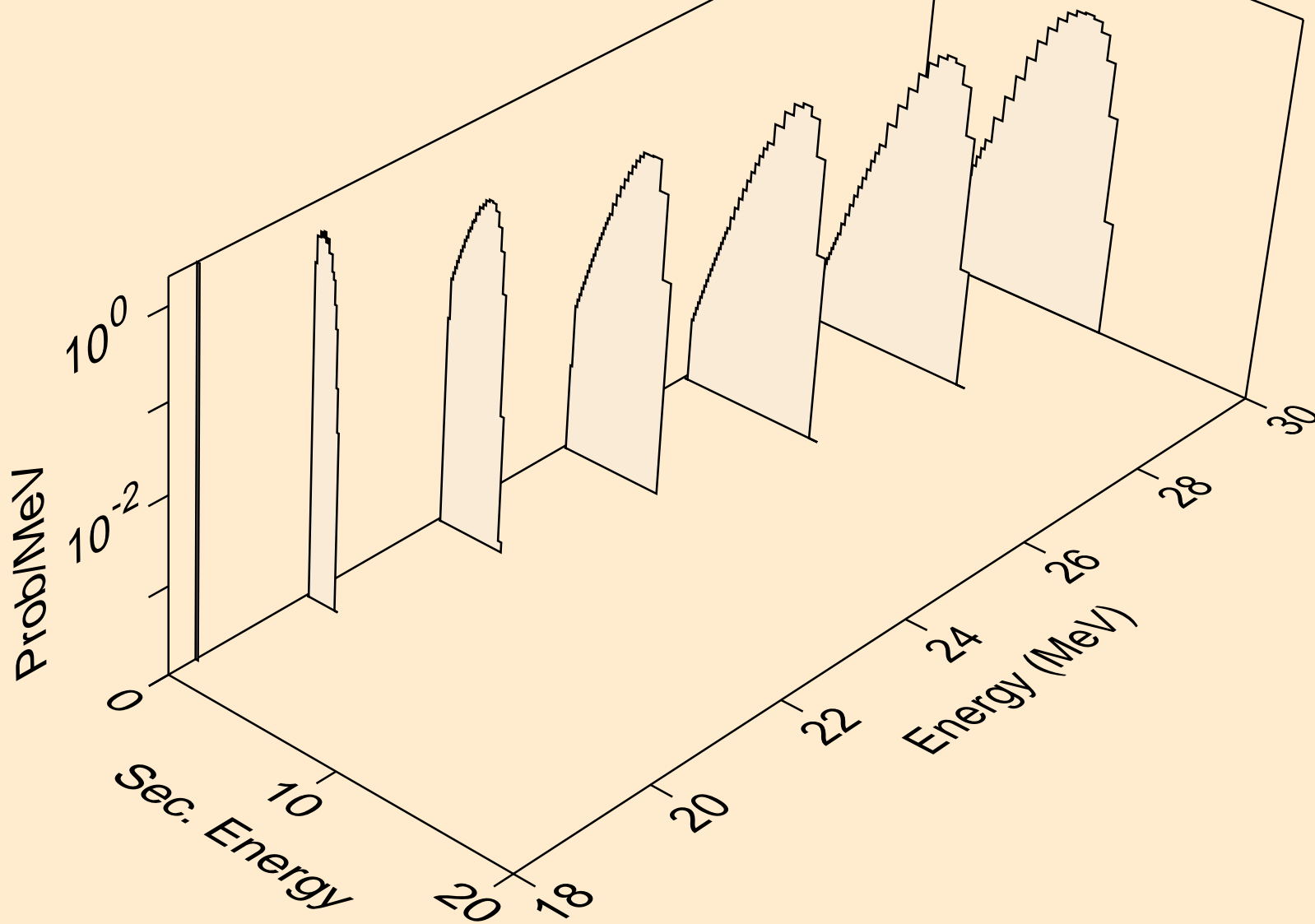


SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,x)

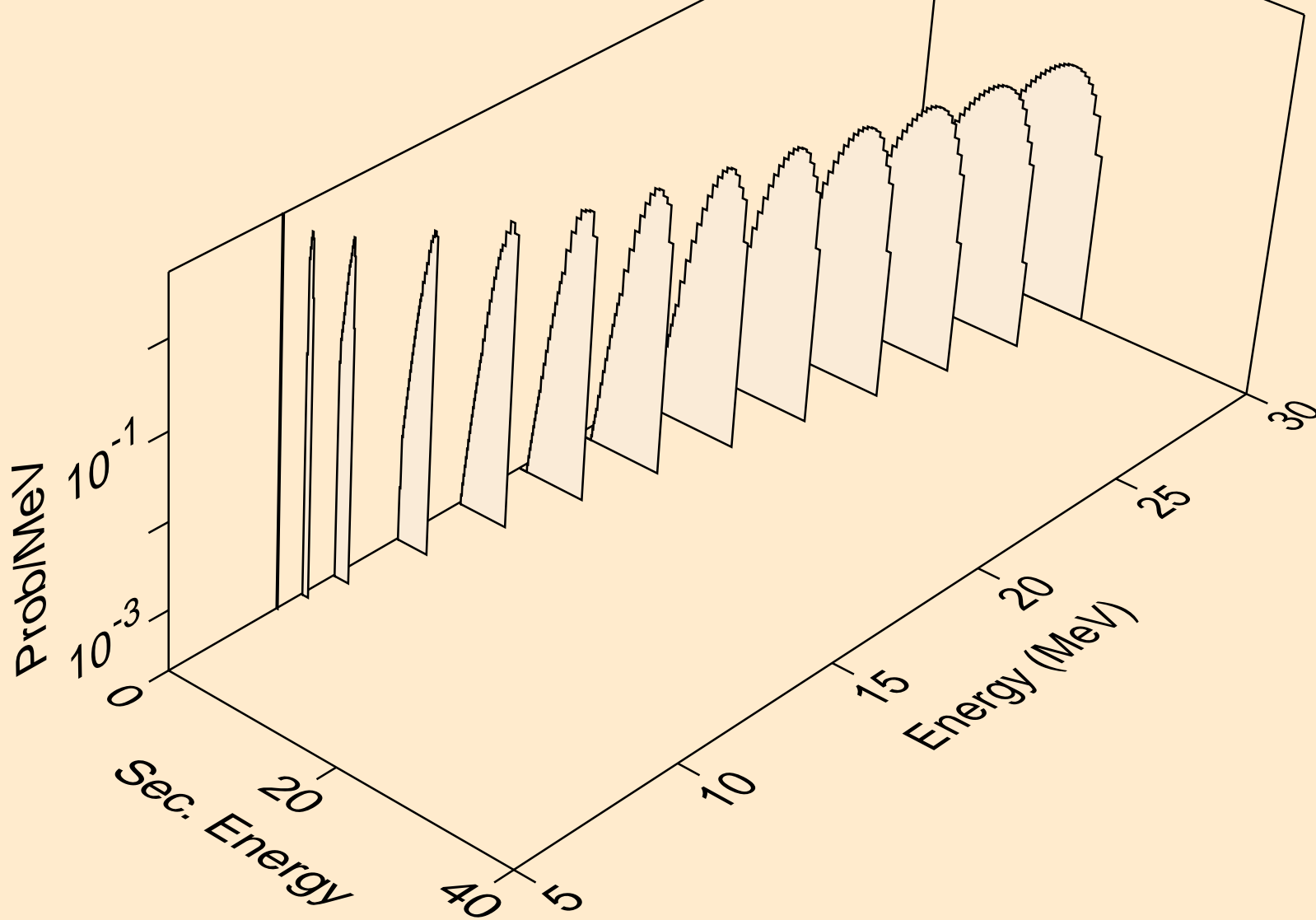




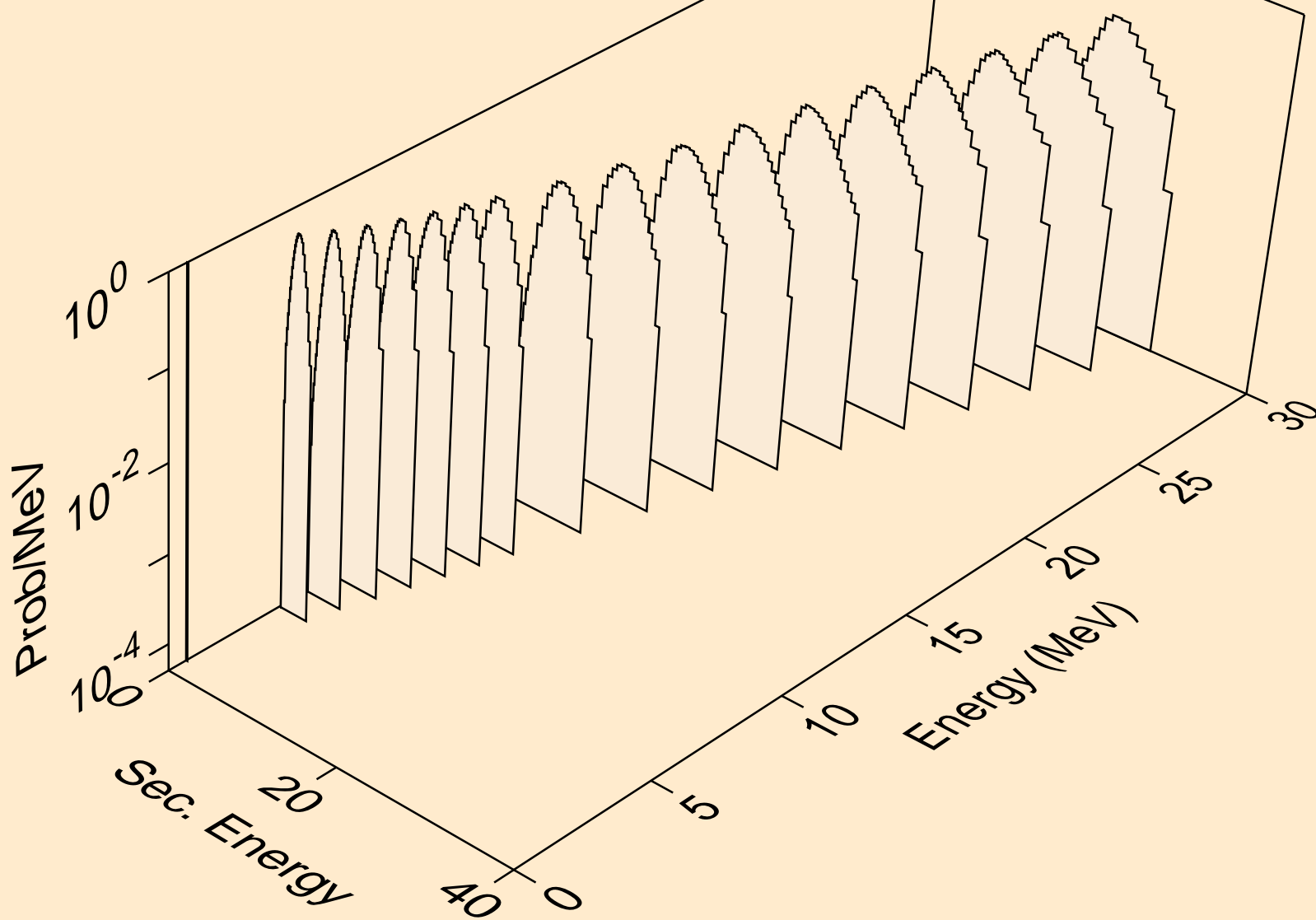
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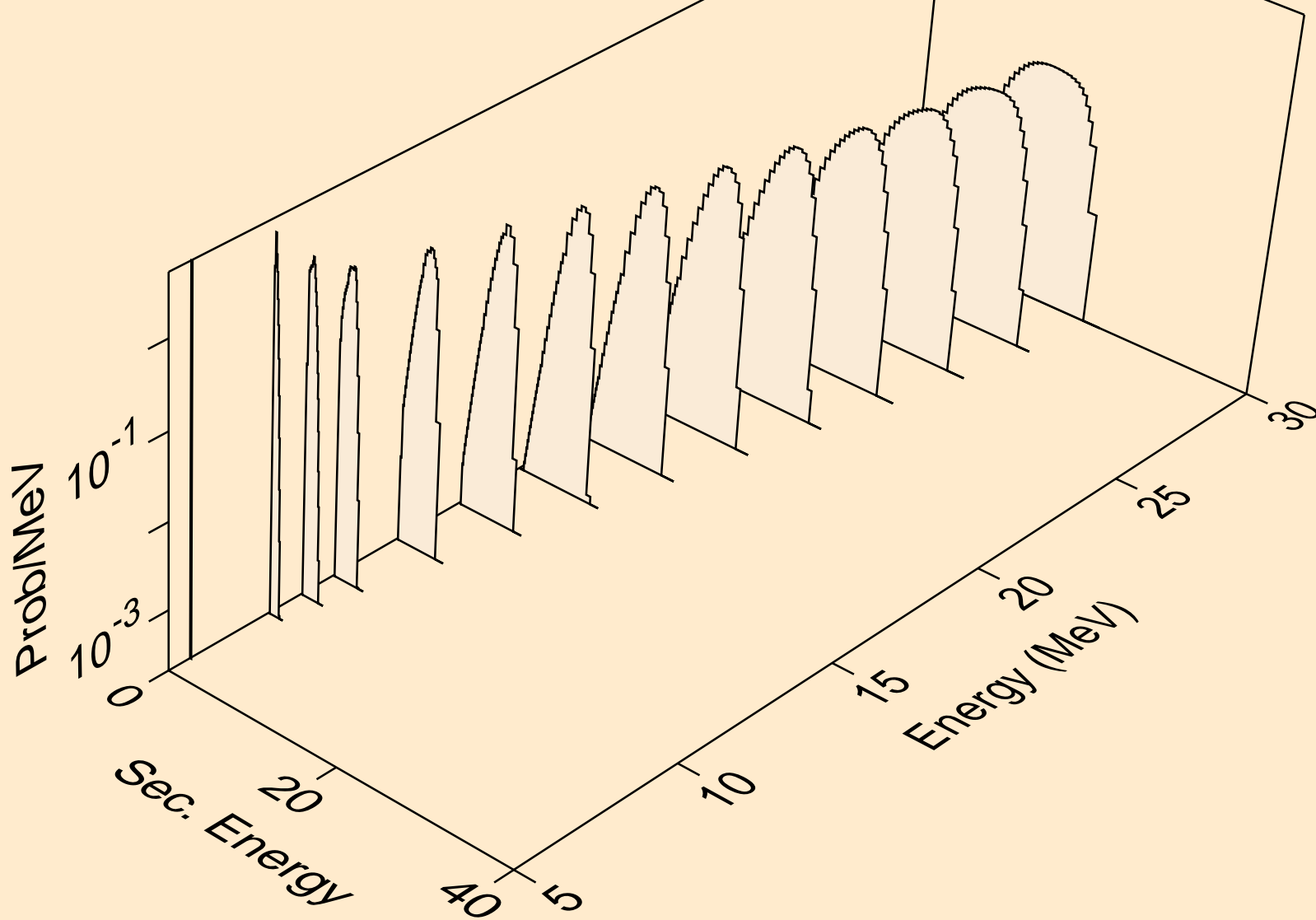
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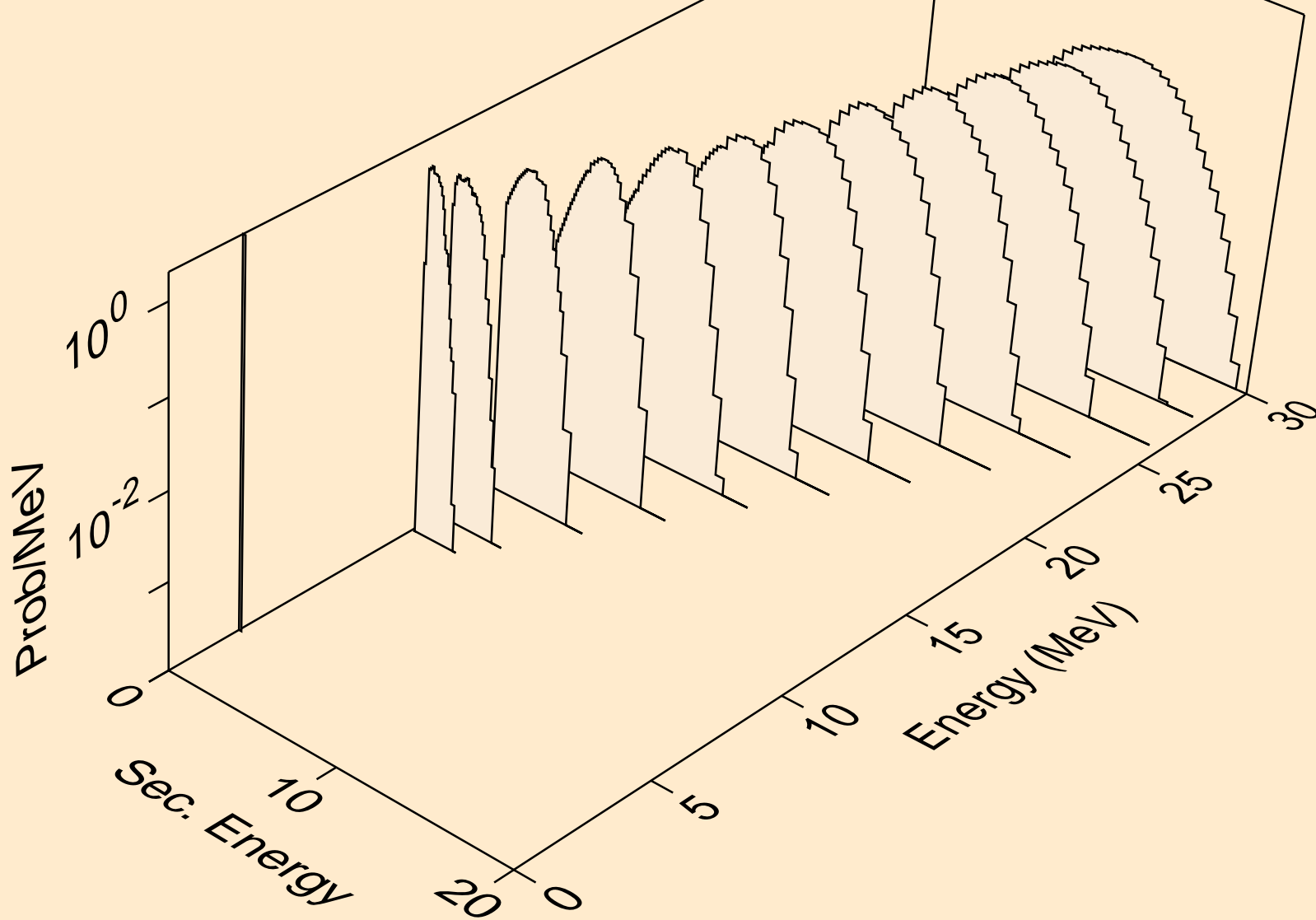
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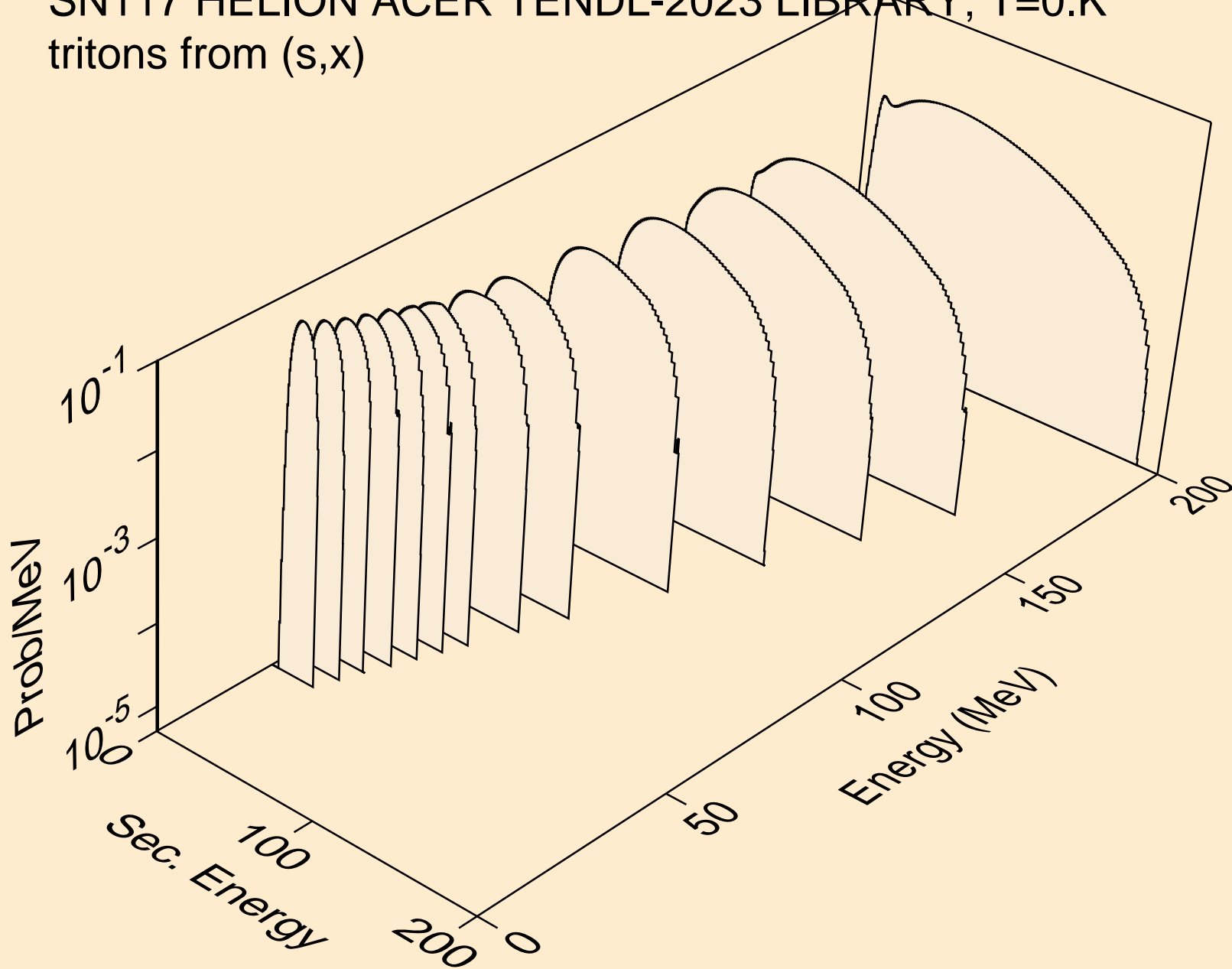
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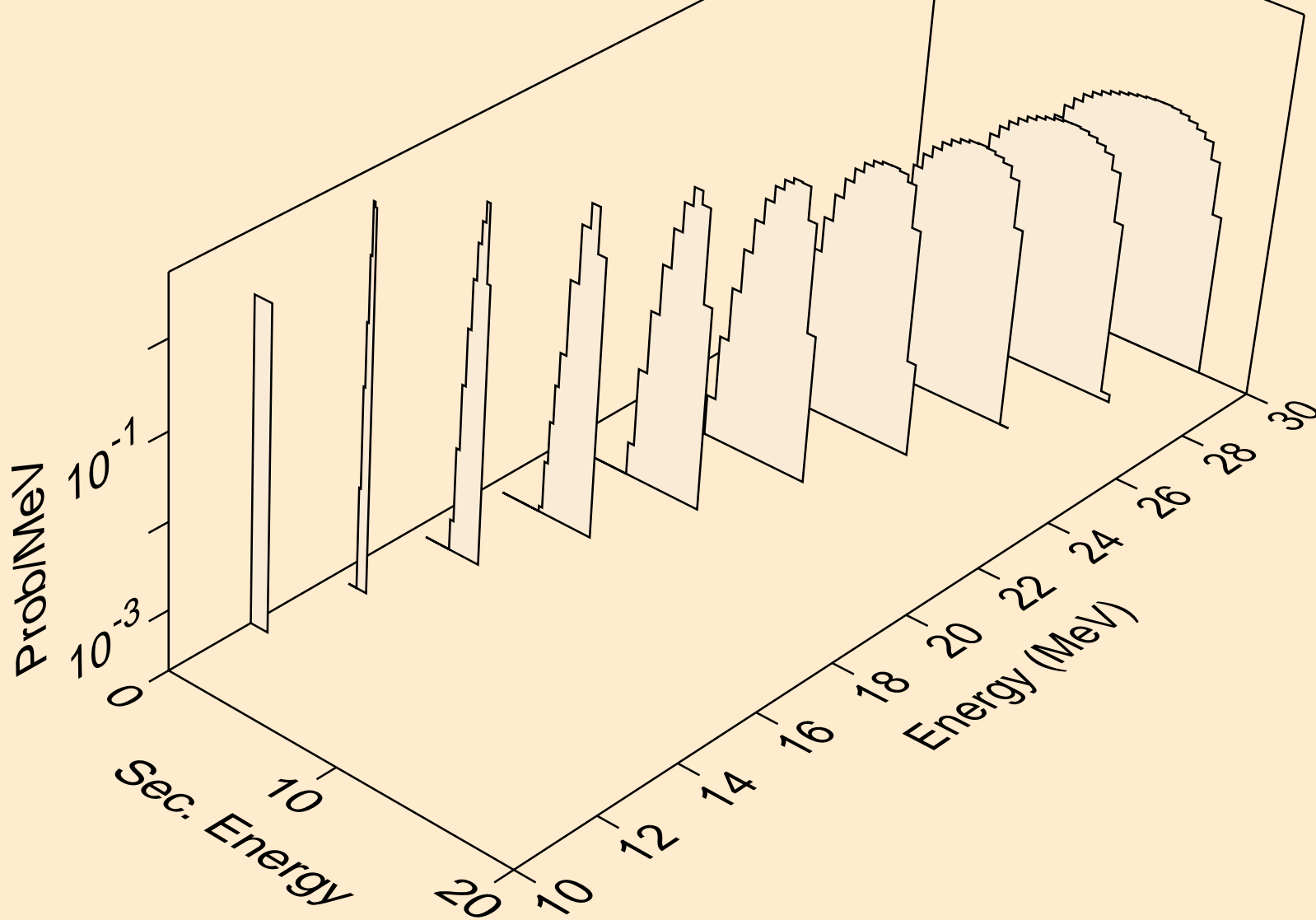
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deuterons from (s,da)



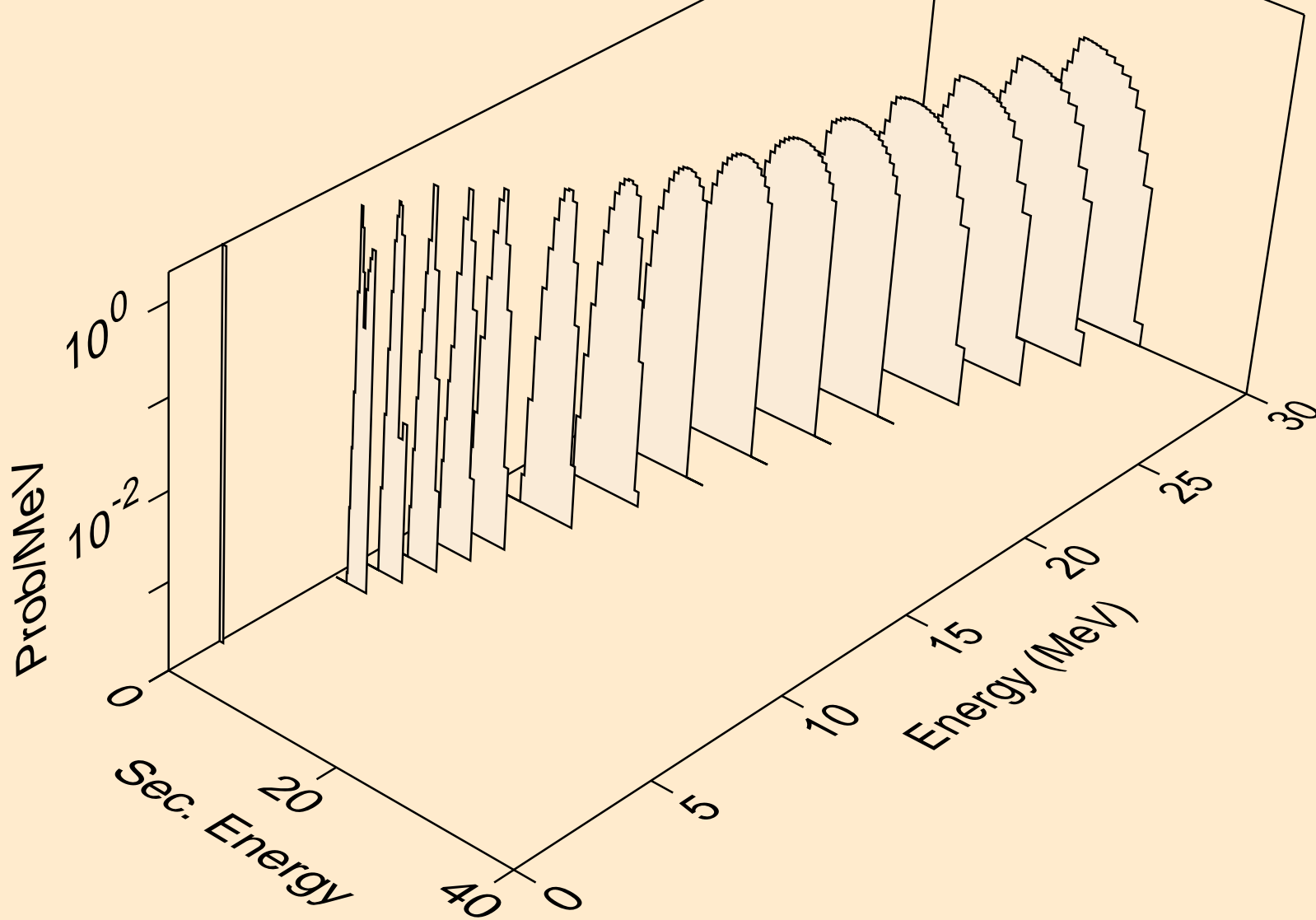
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,x)



SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,n\*)t

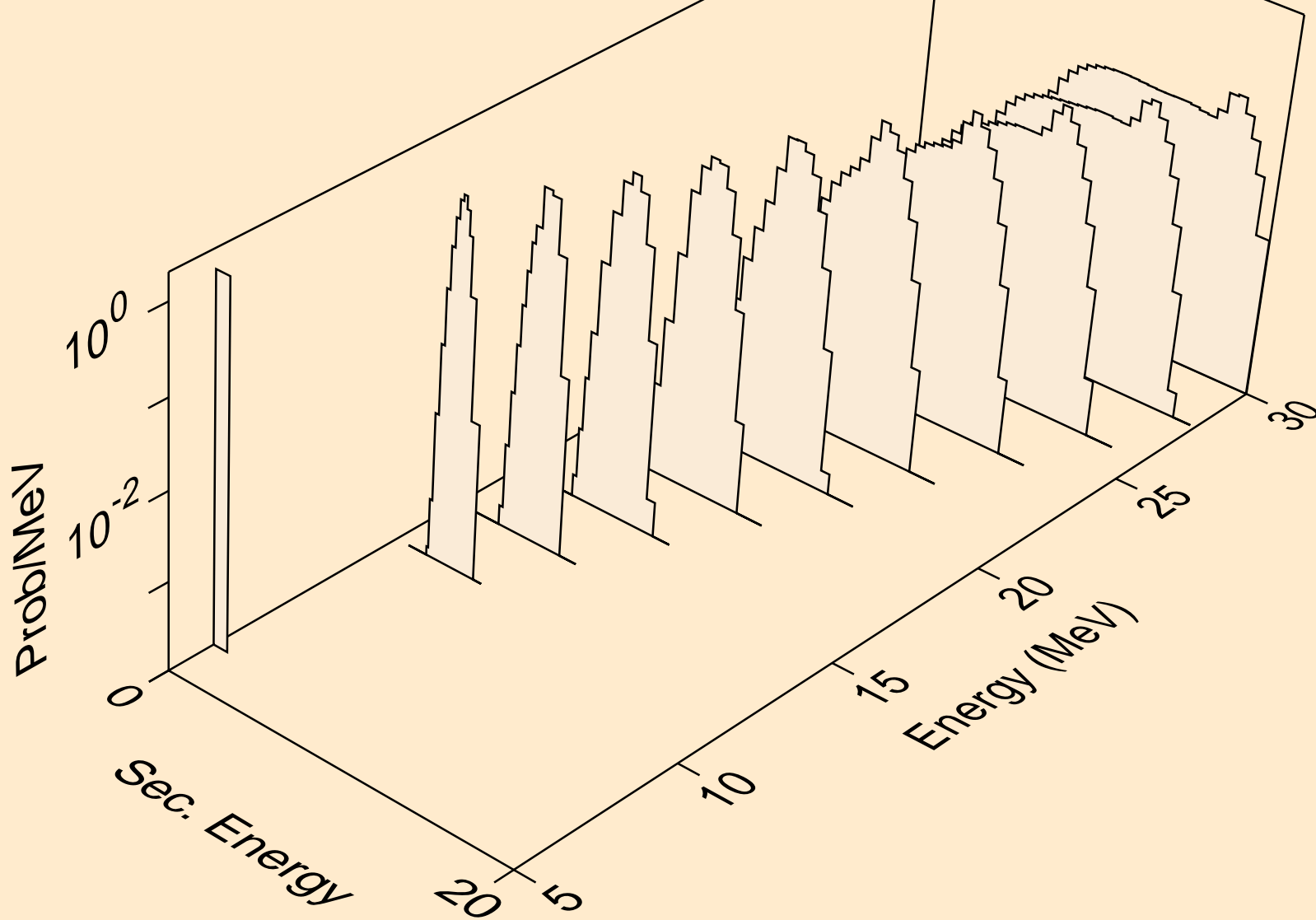


SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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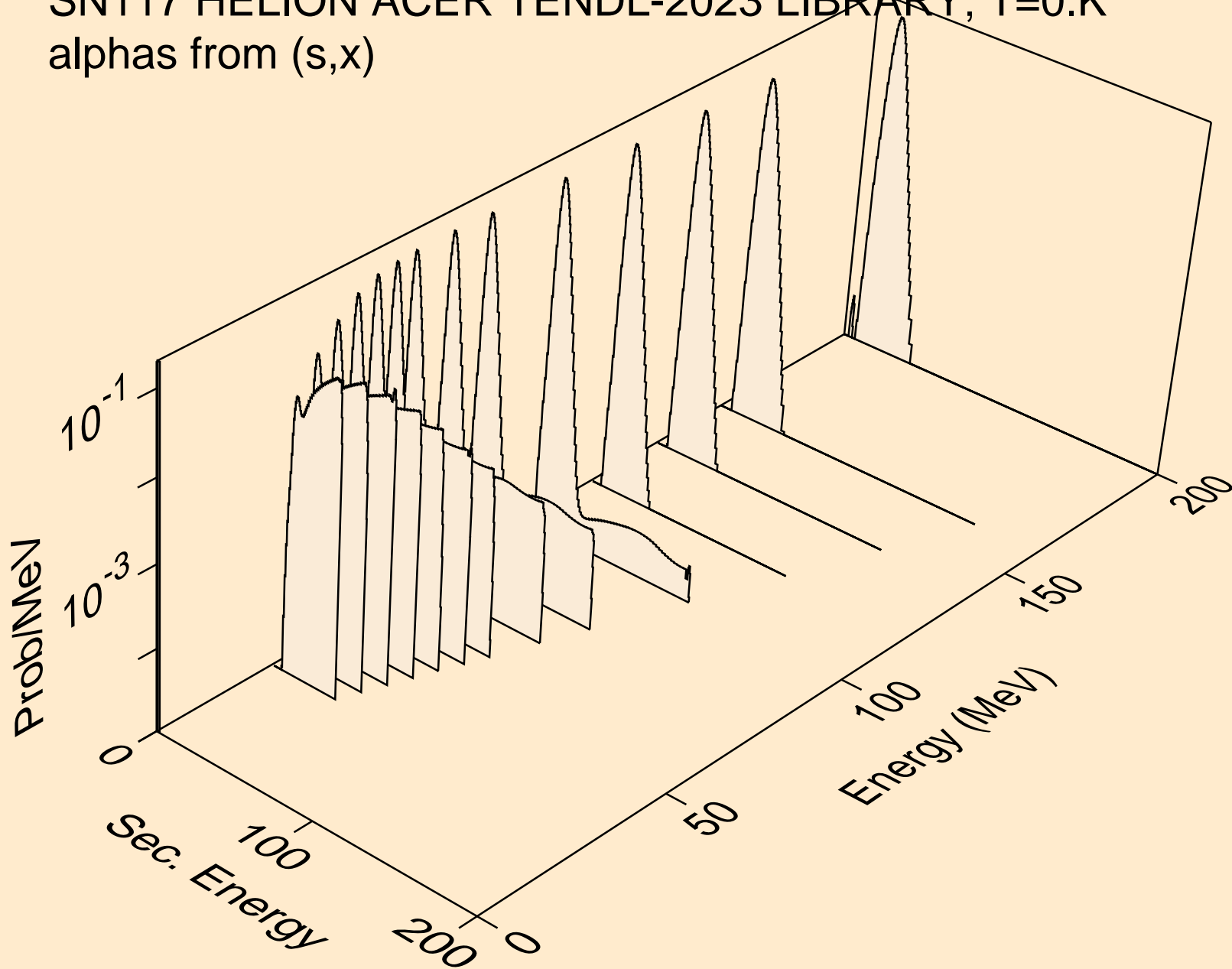




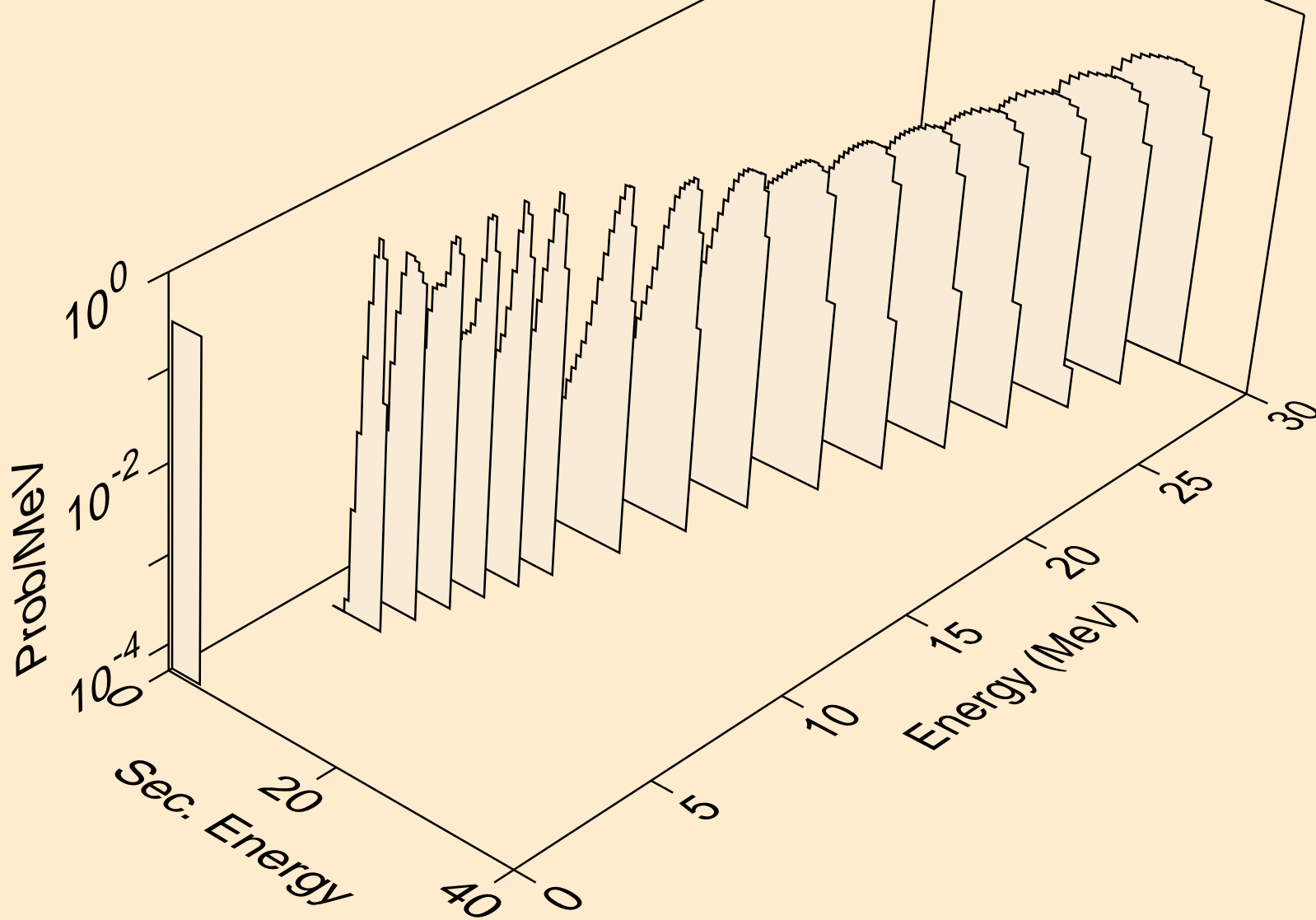
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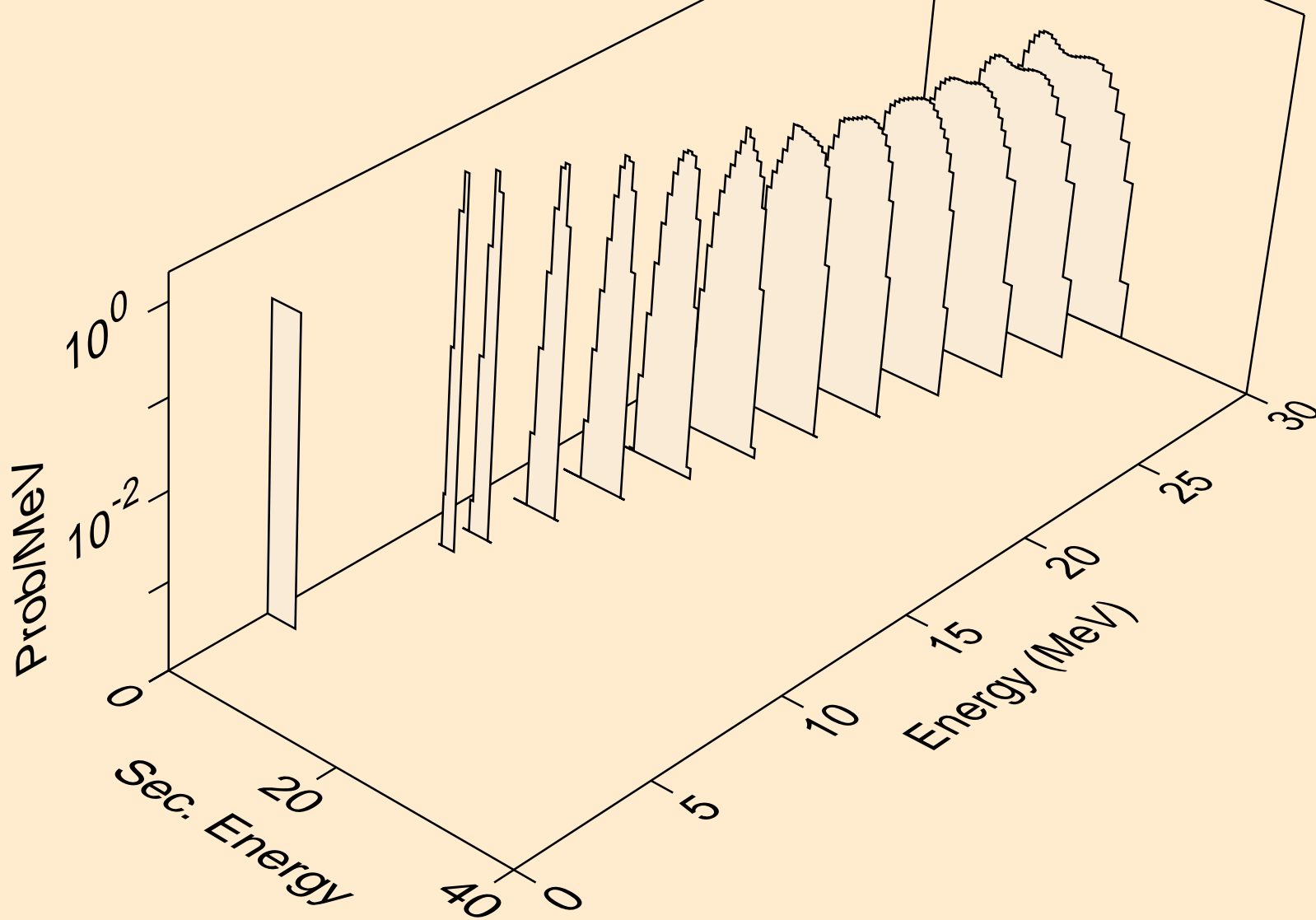
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,x)



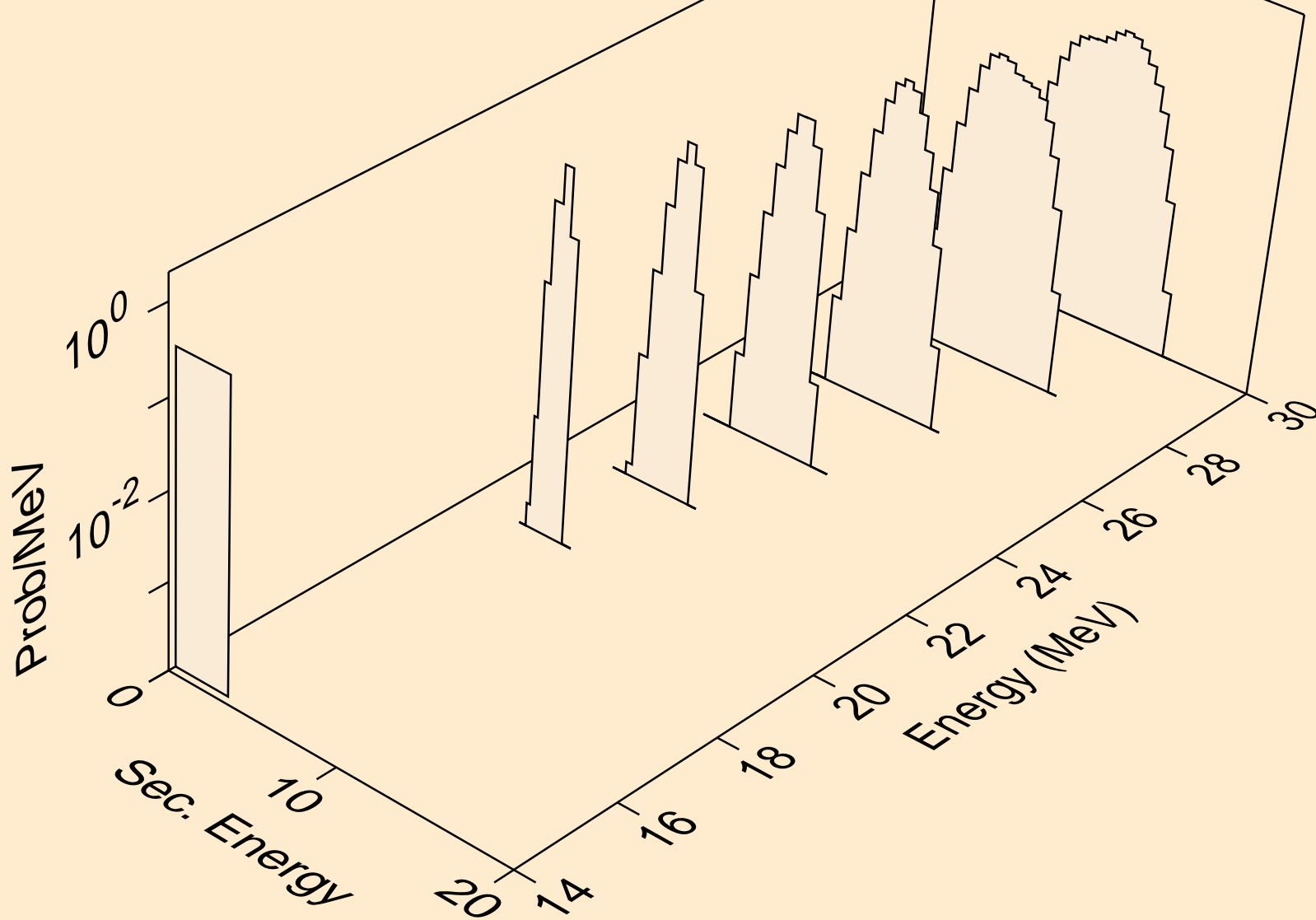
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)a



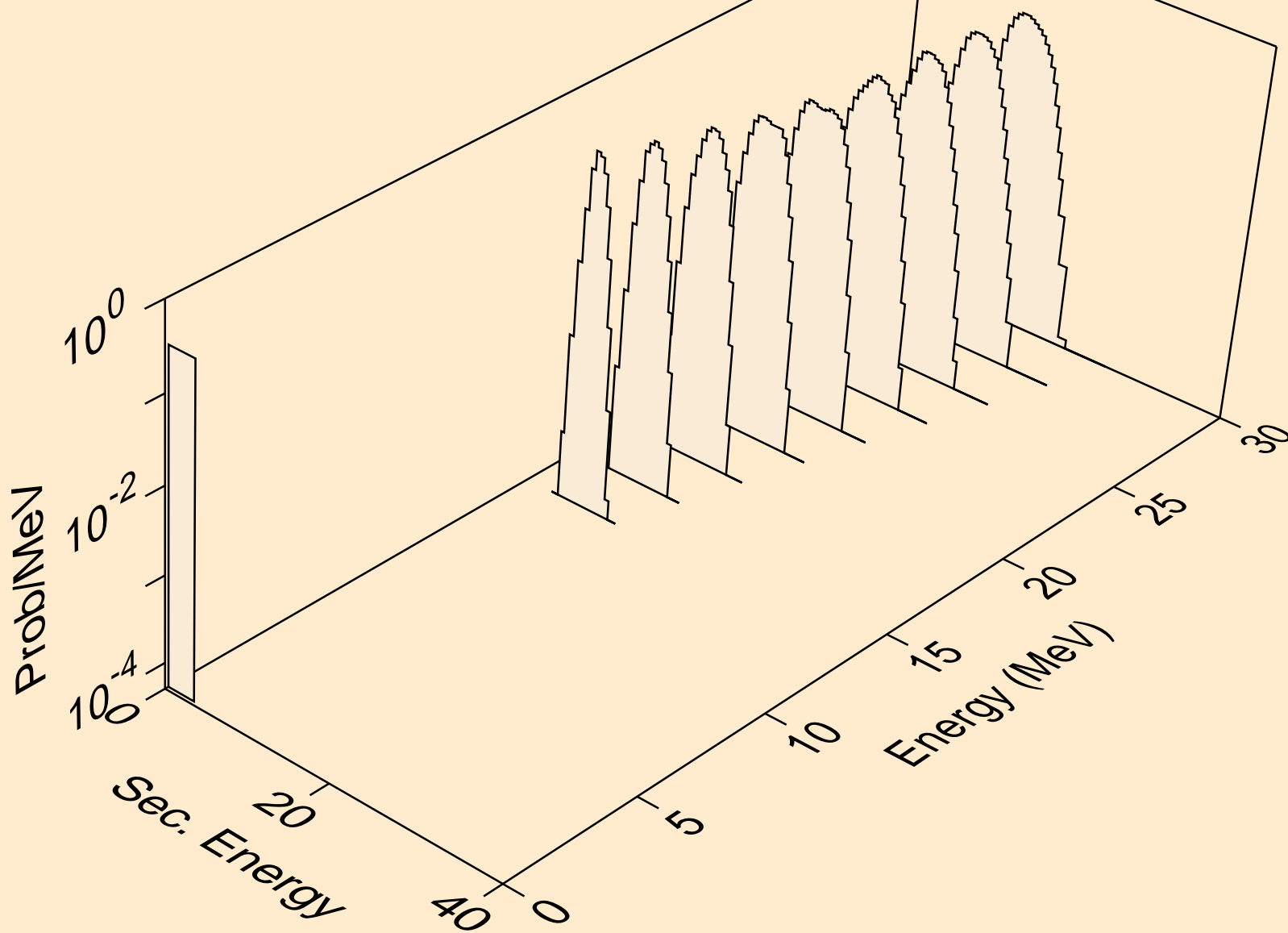
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2n)a



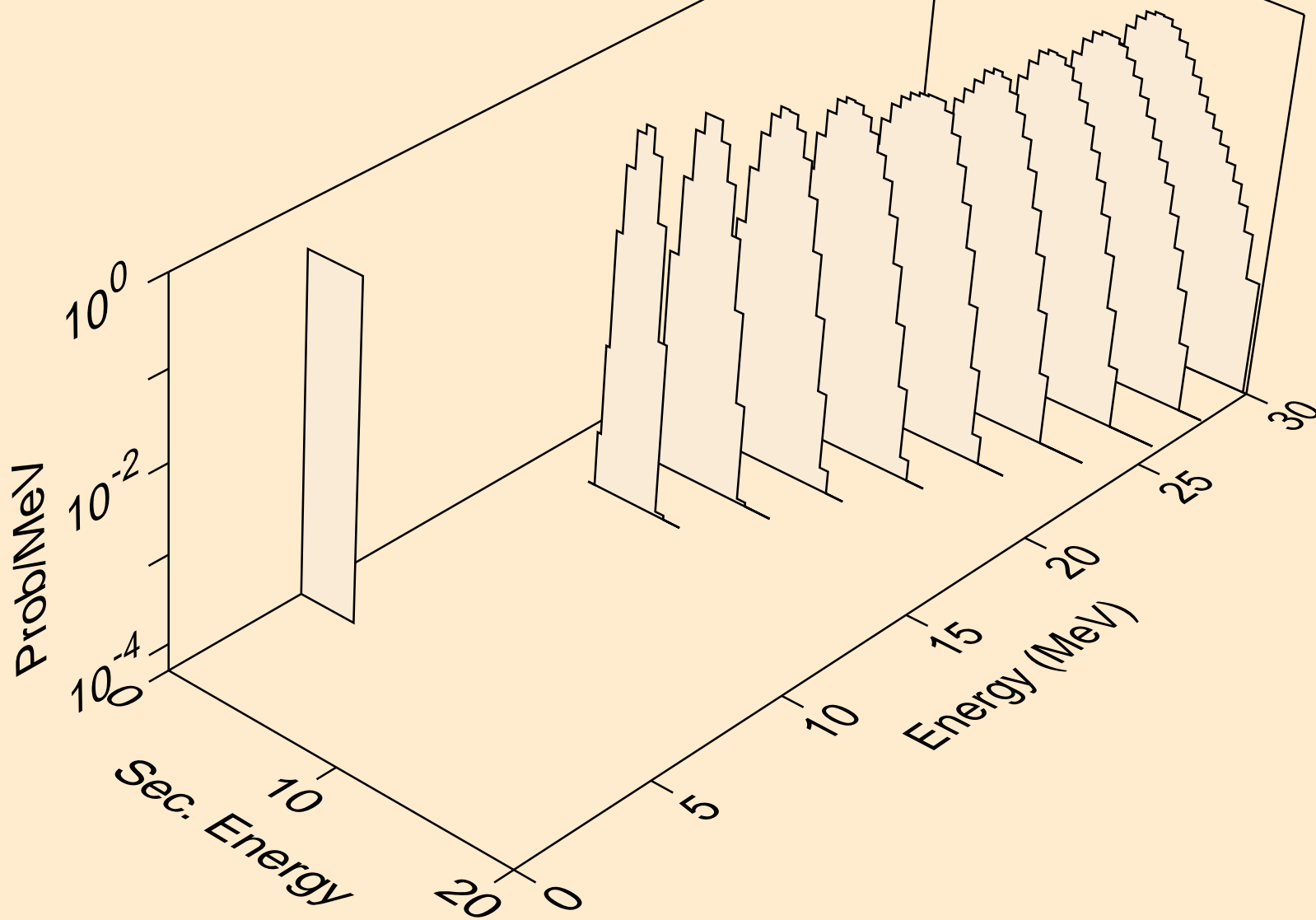
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,3n)a



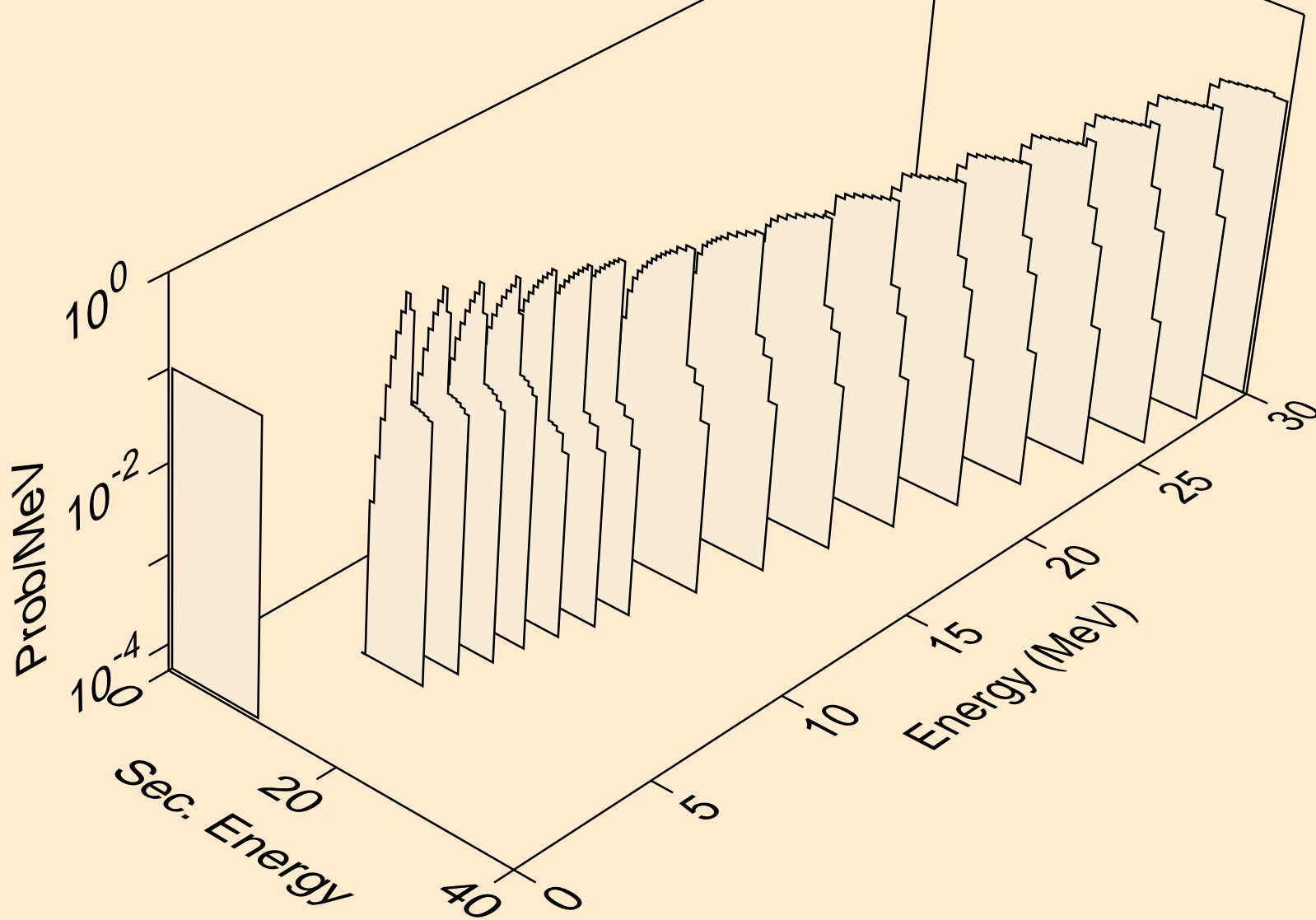
SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)2a



SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,npa)

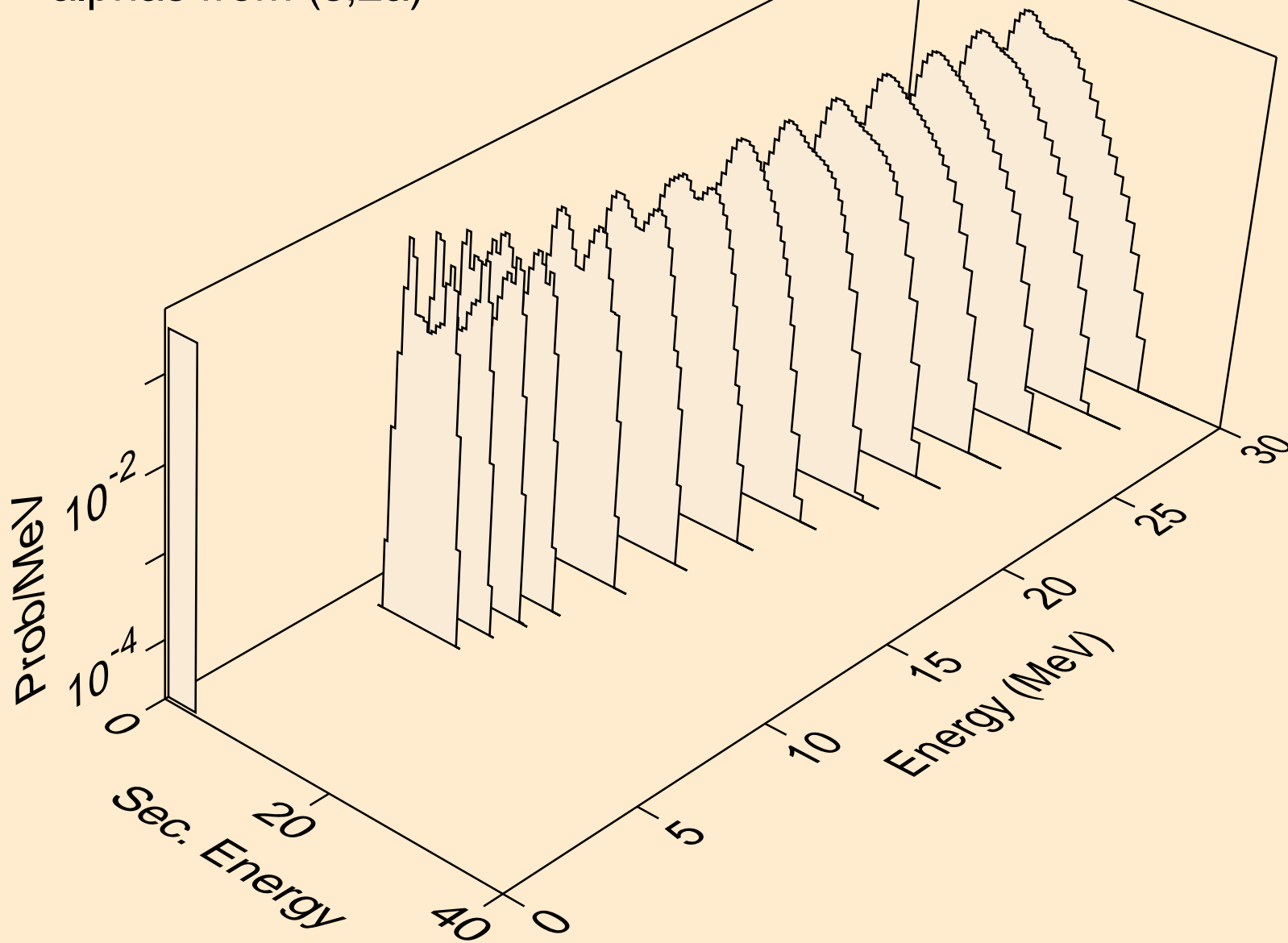


SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,a)

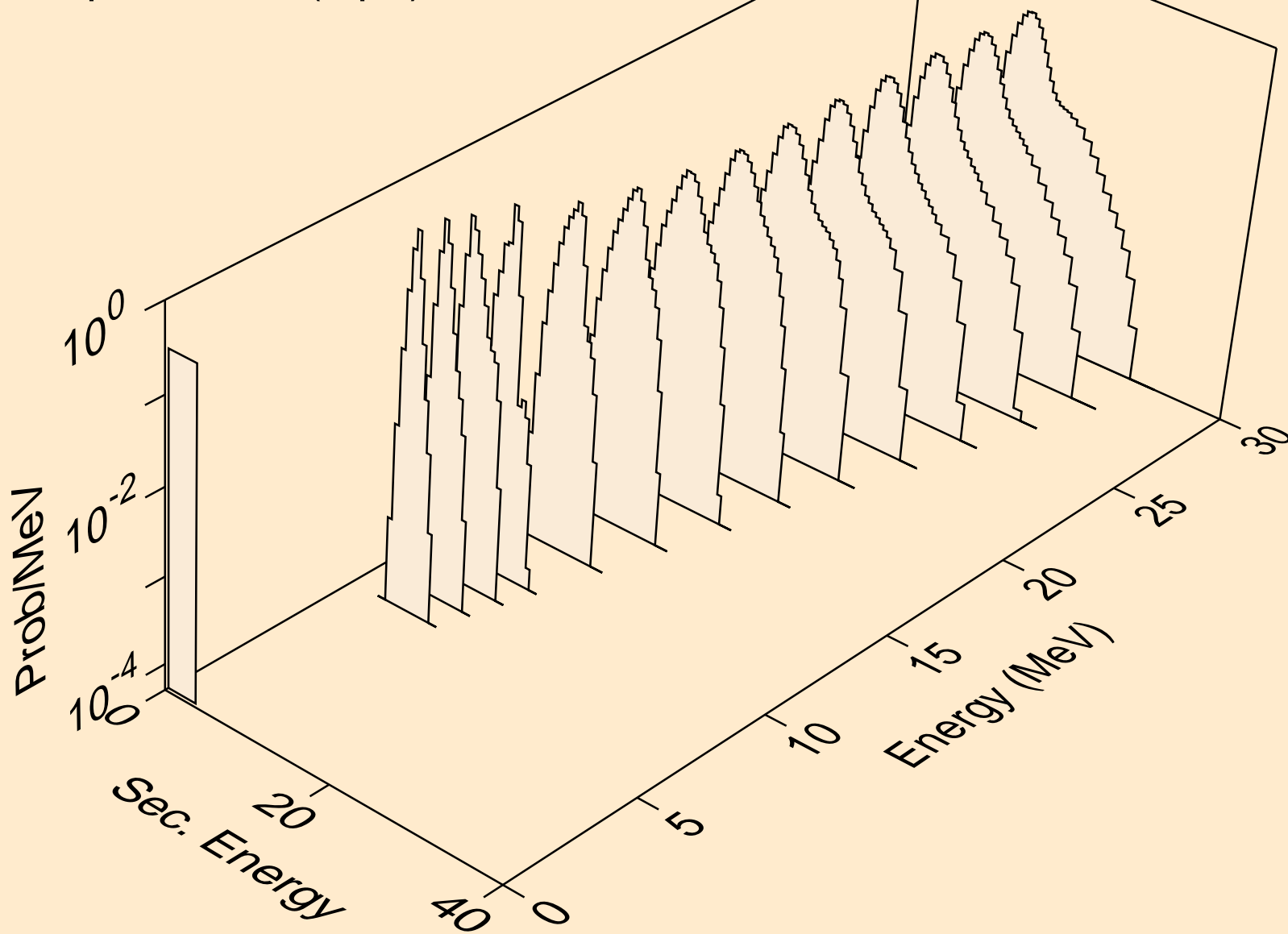




SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2a)



SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



SN117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

