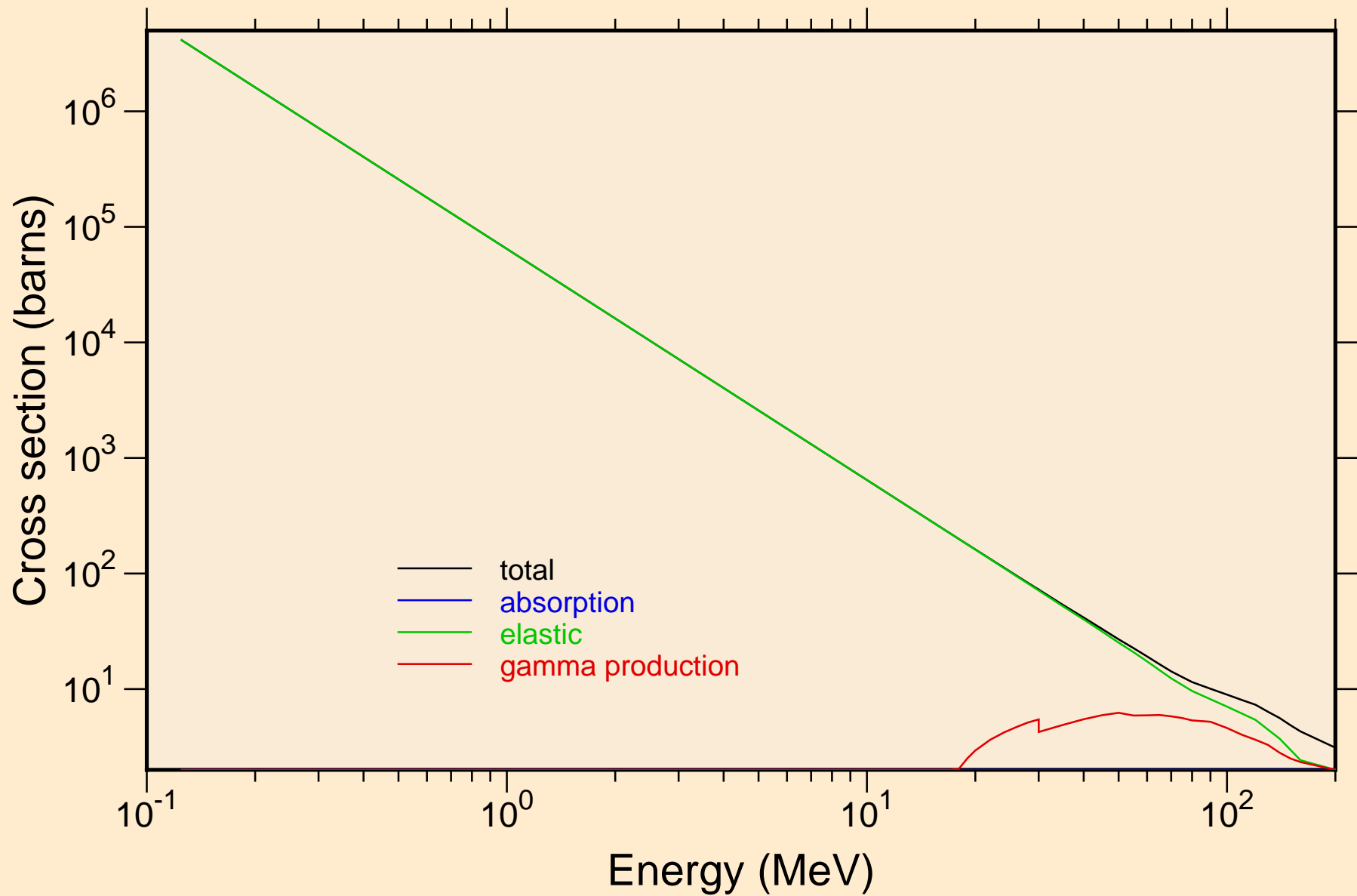


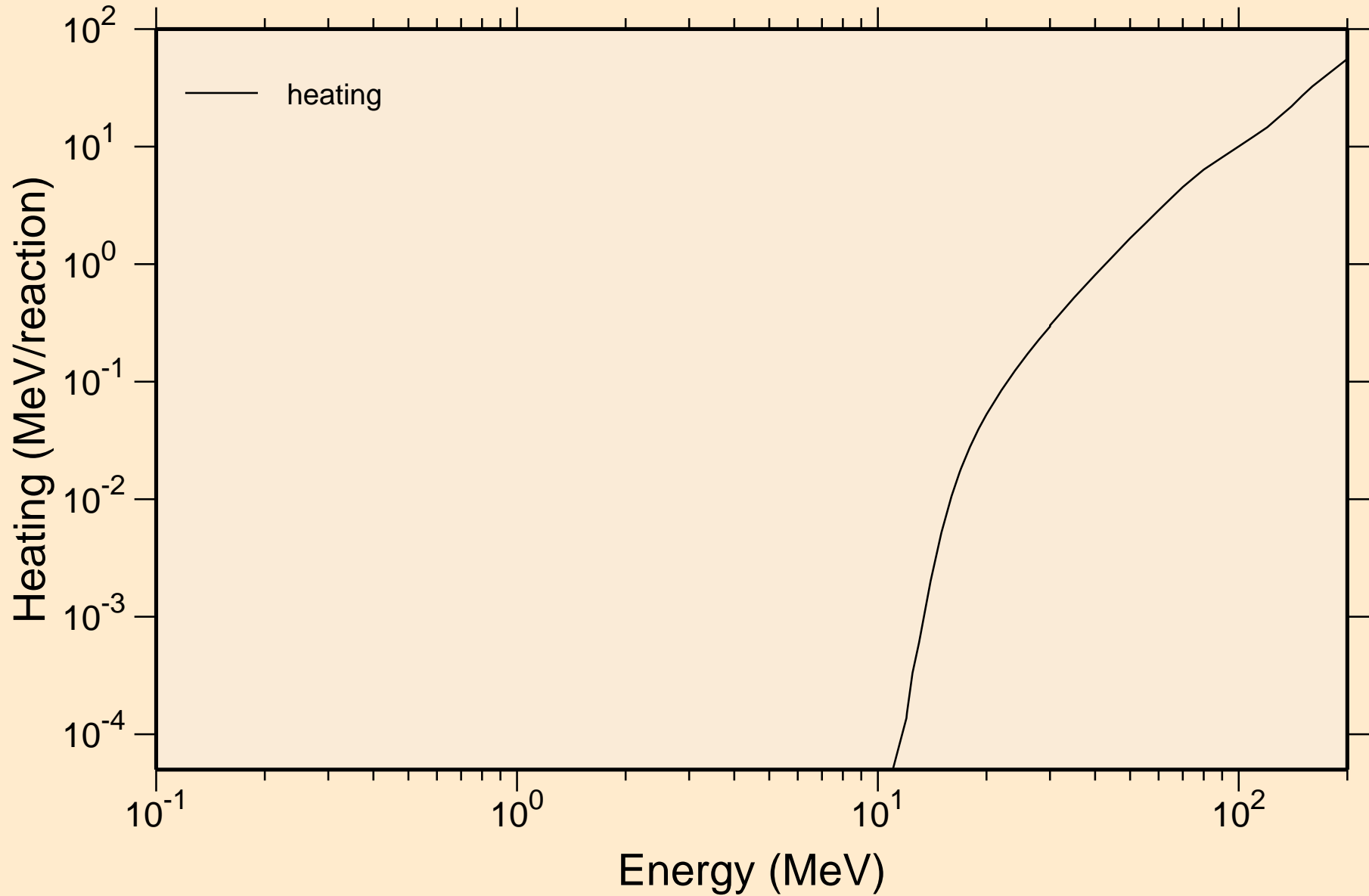
# SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



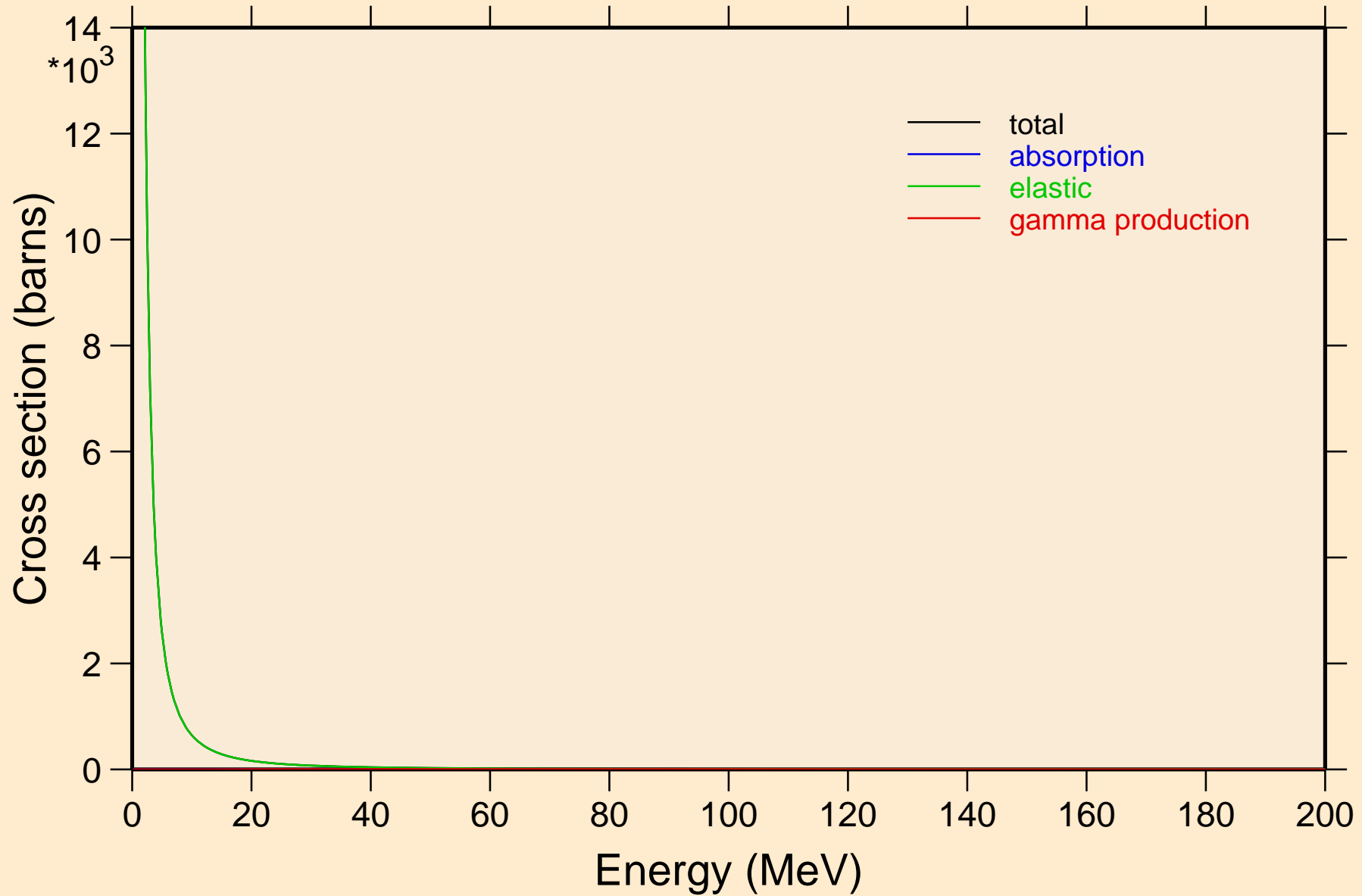
# SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Heating



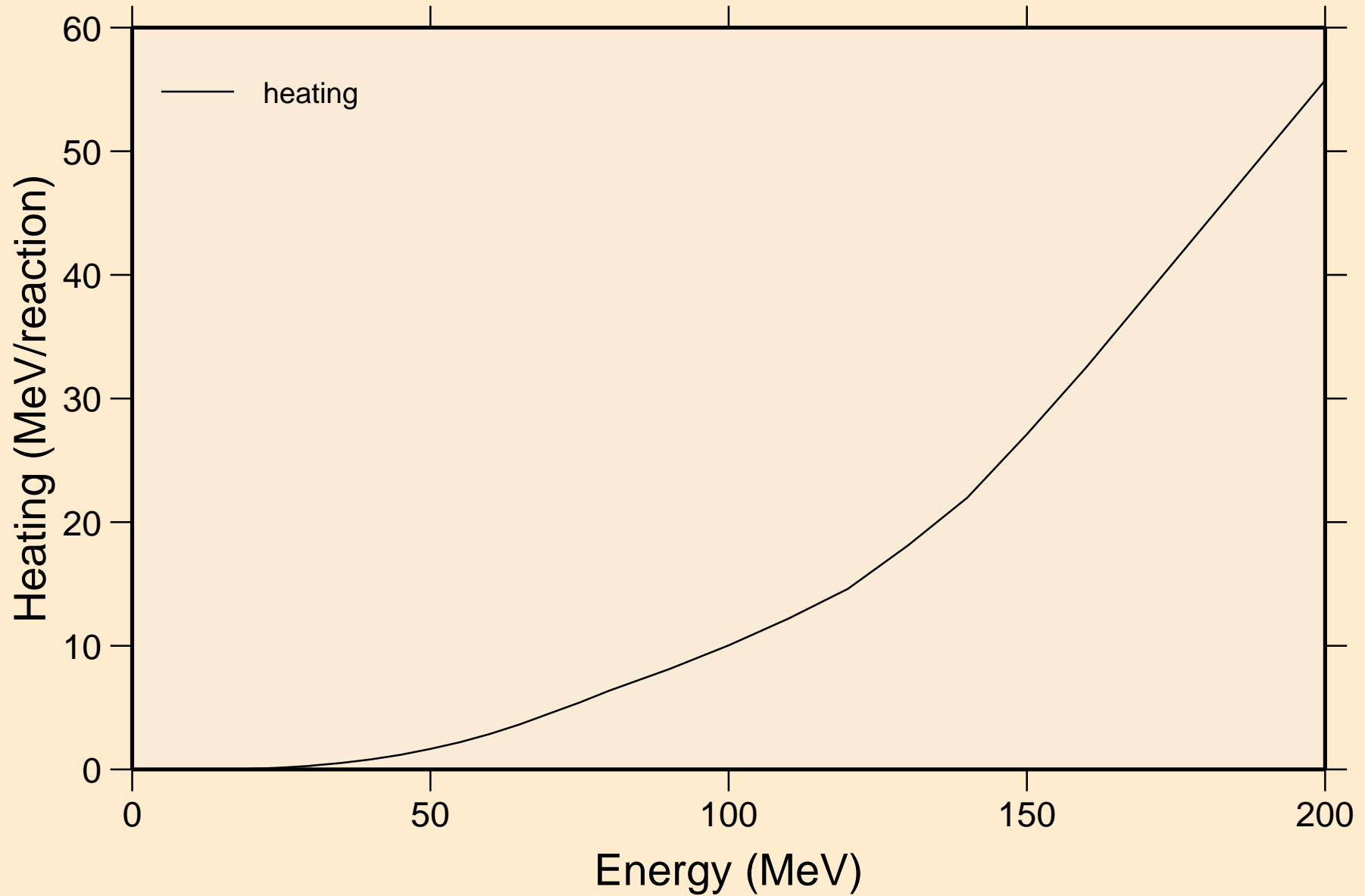
# SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



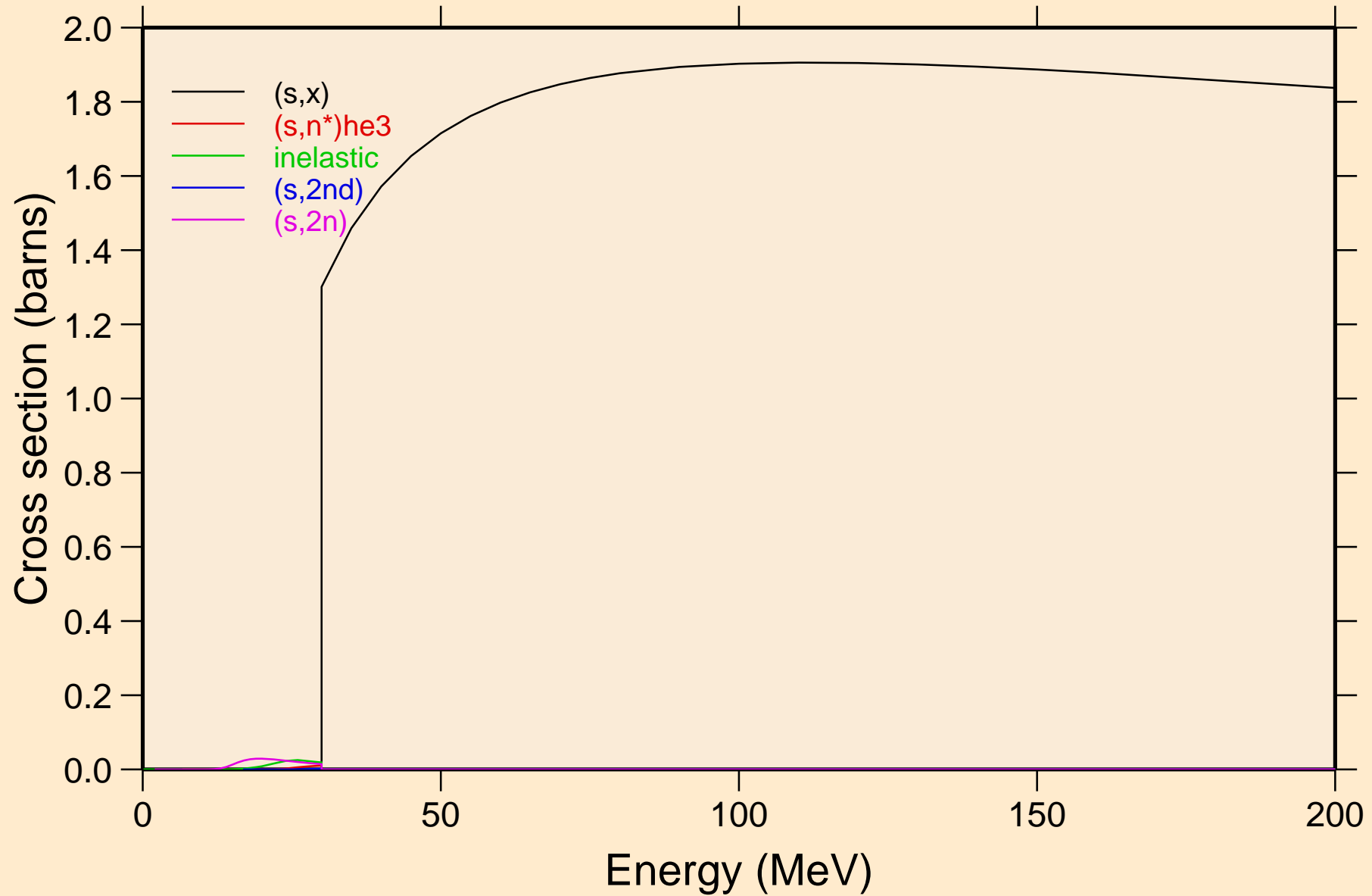
# SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Heating



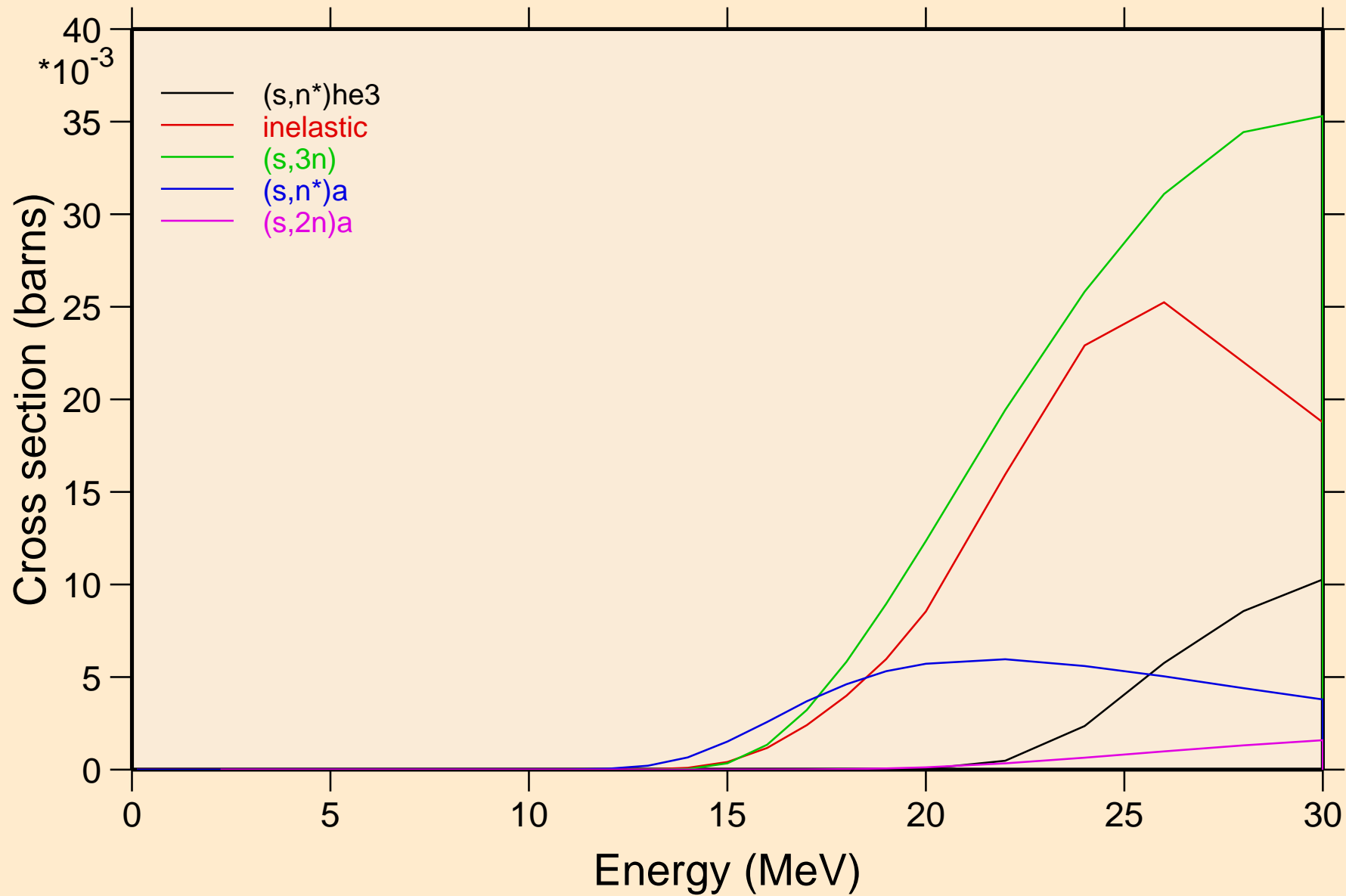
# SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



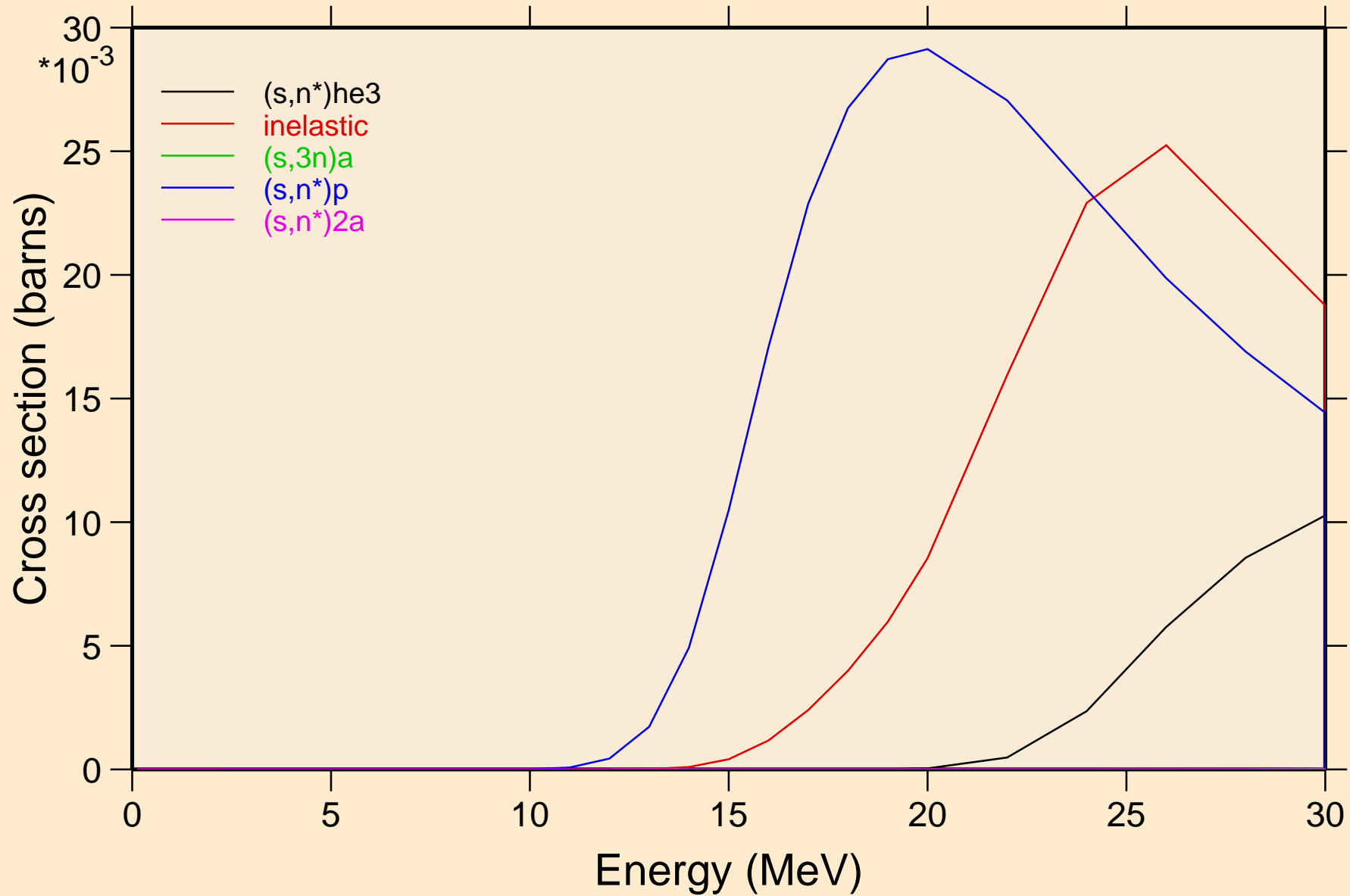
# SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



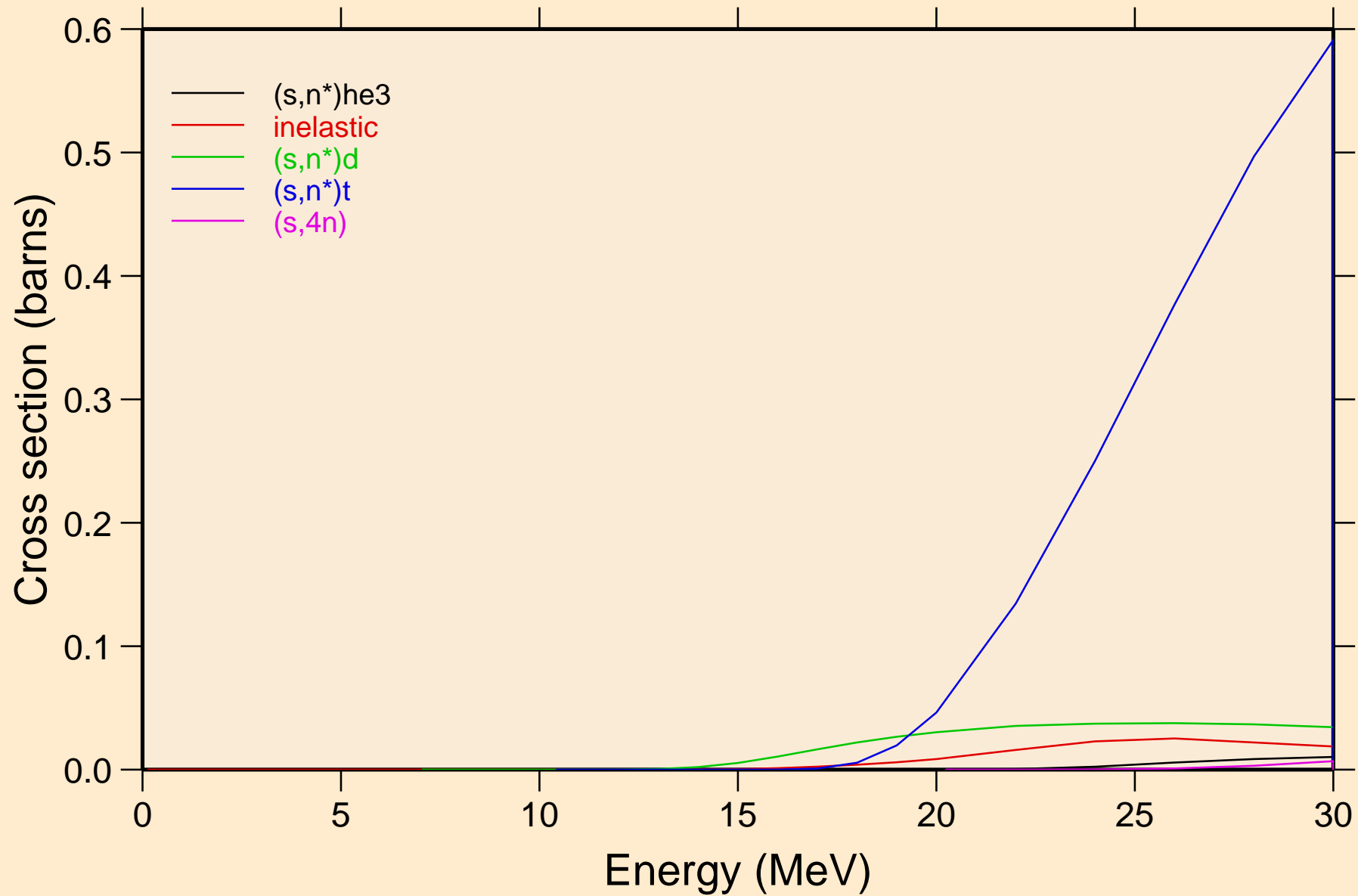
# SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



# SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K

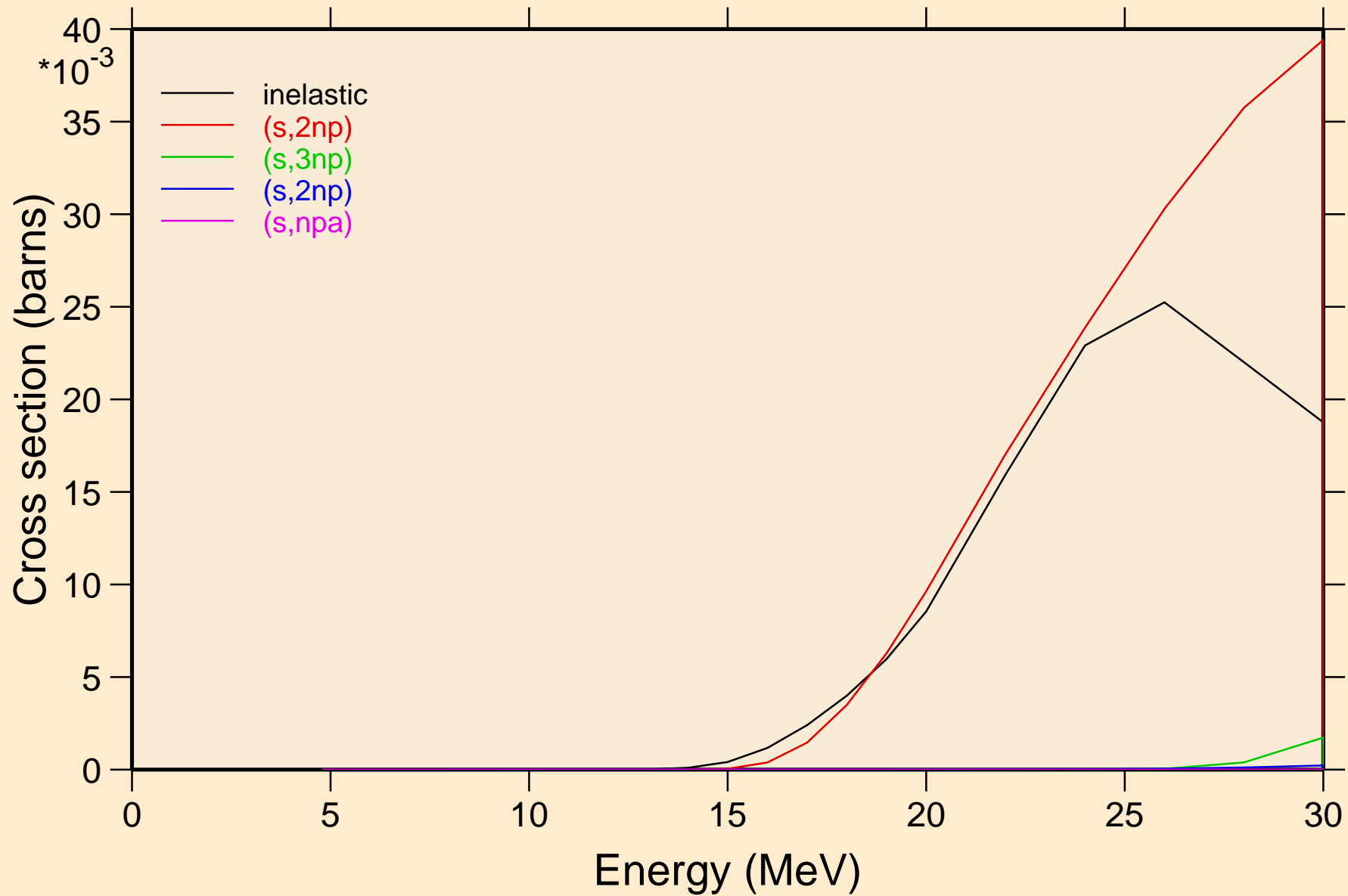
## Threshold reactions





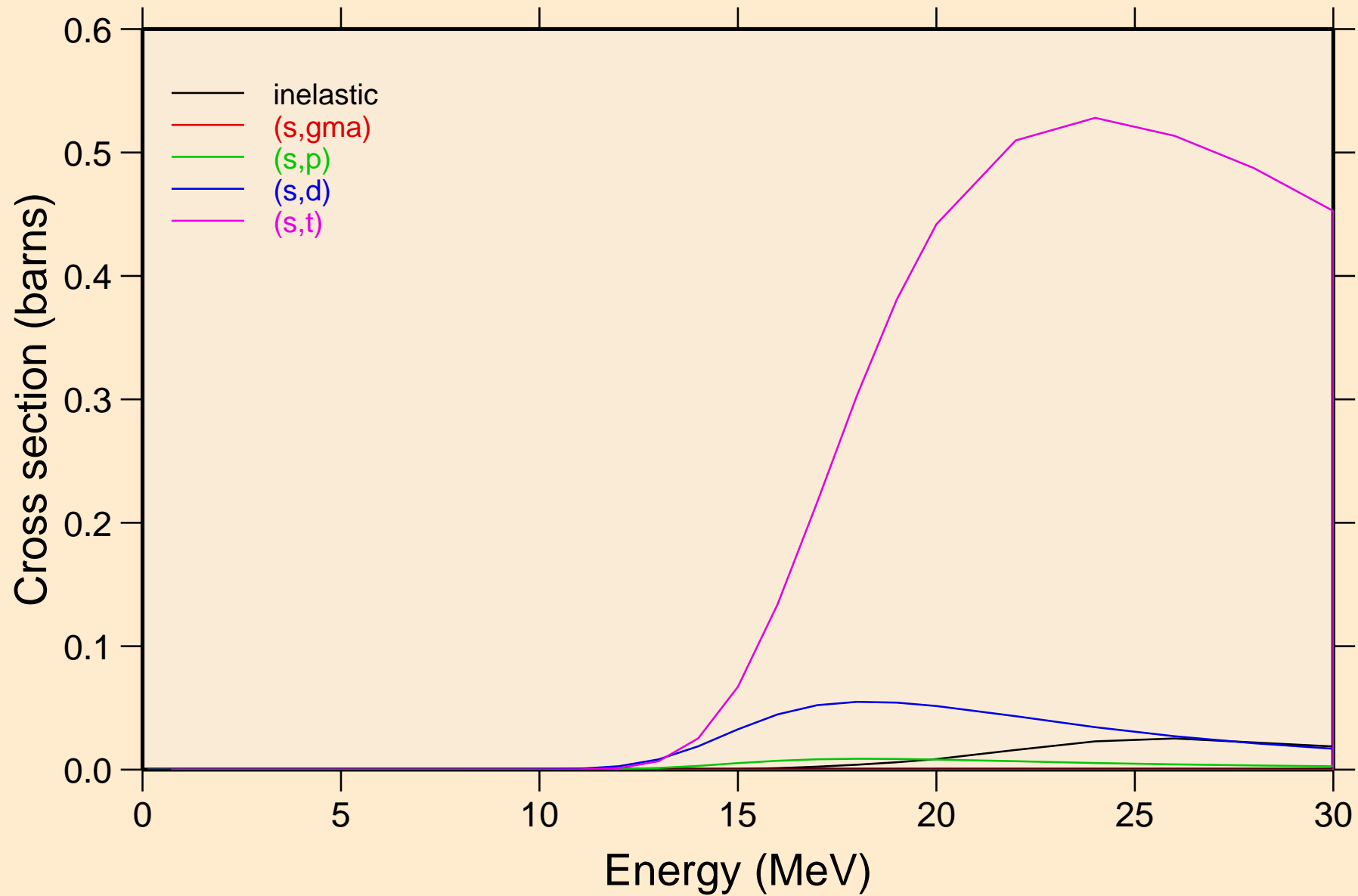
# SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions

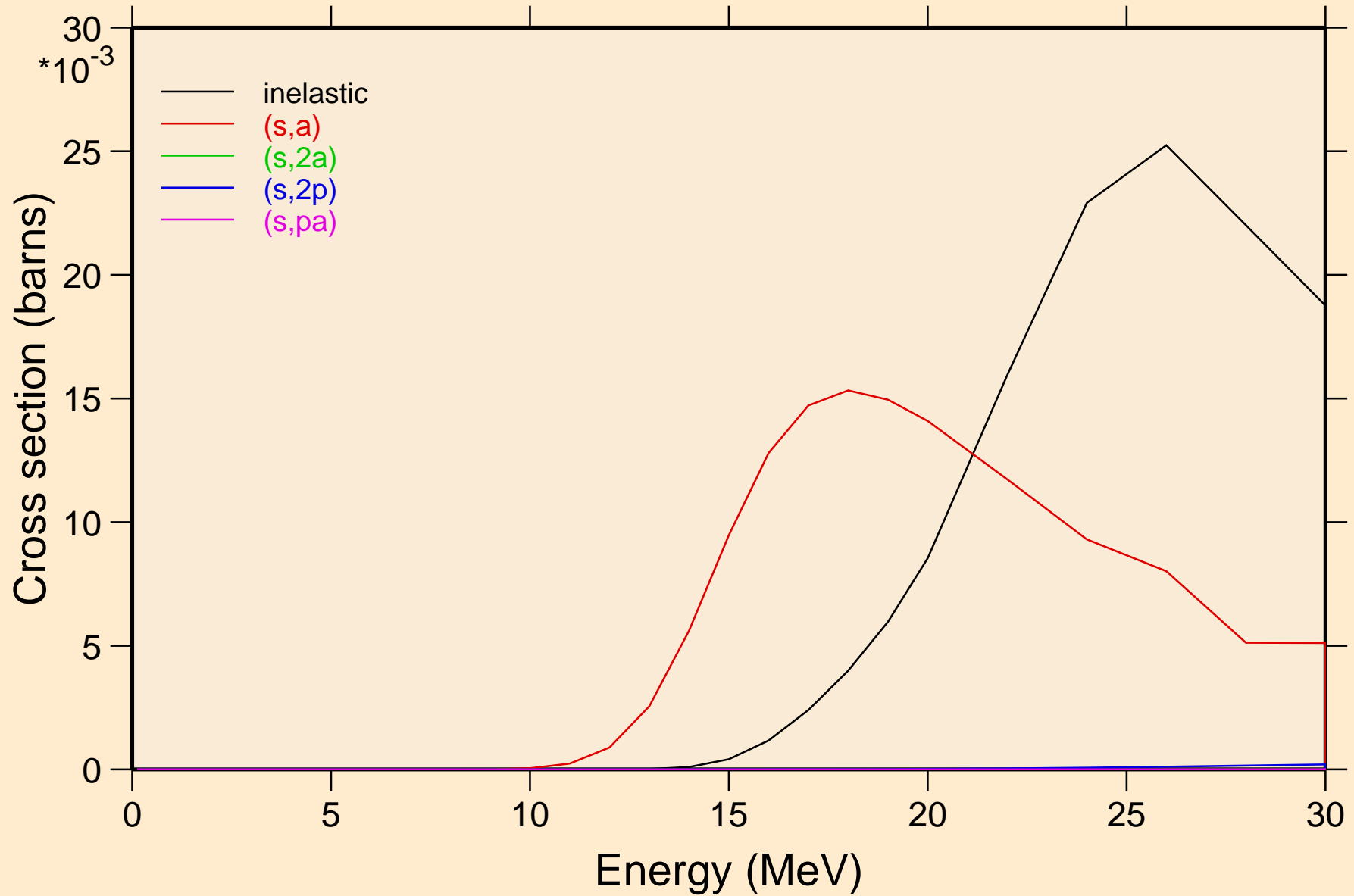


# SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions

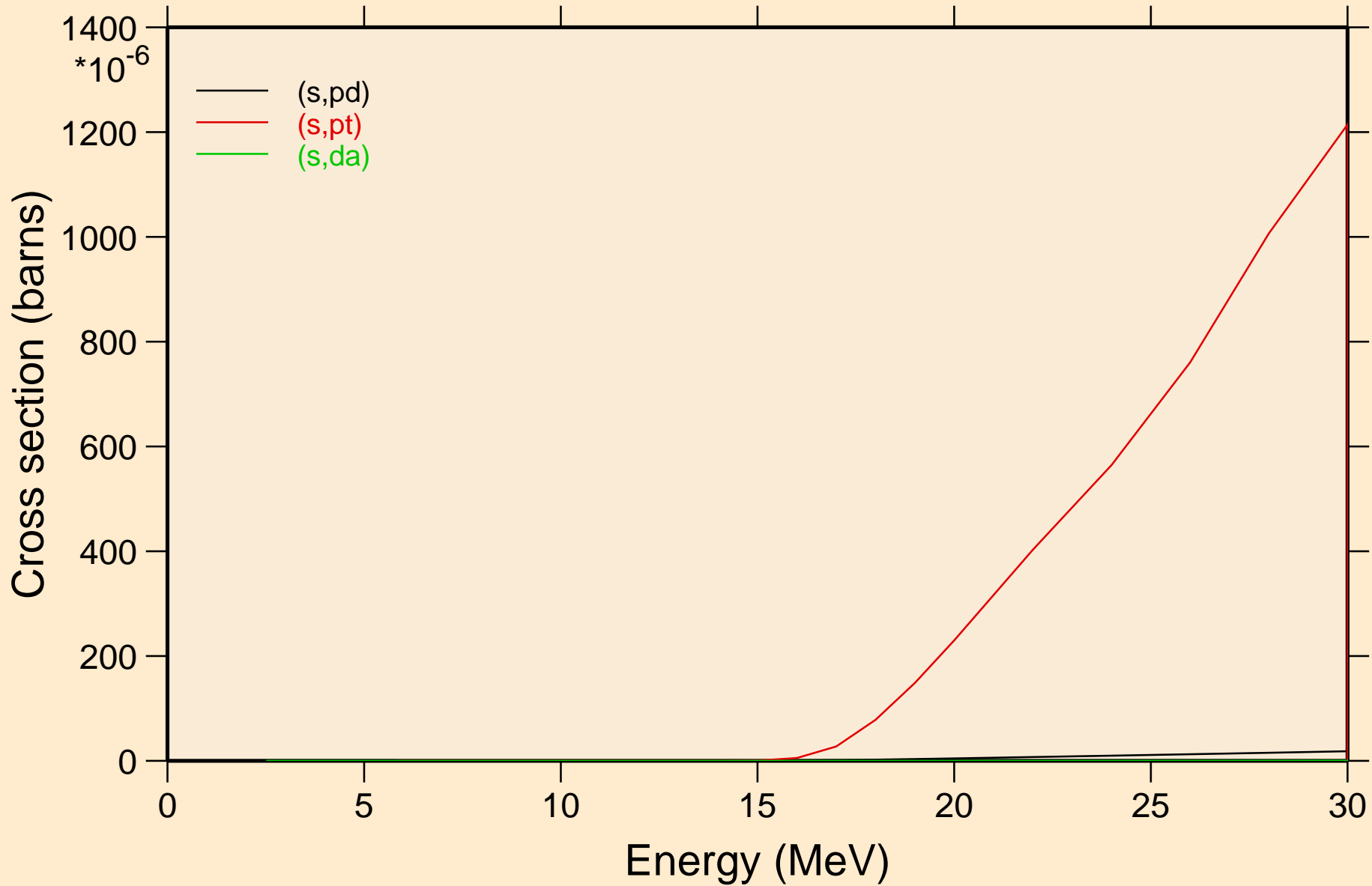


SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

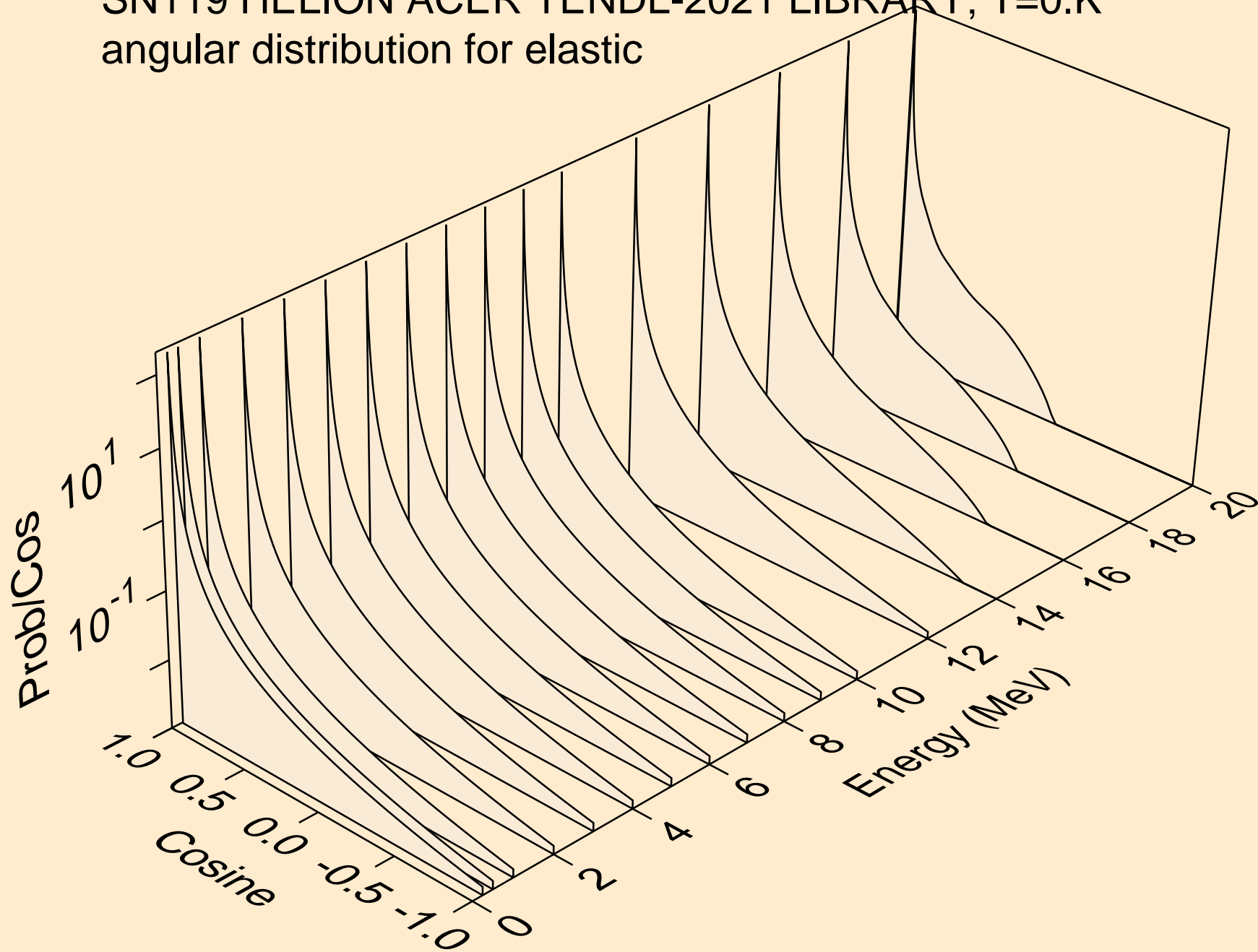


# SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K

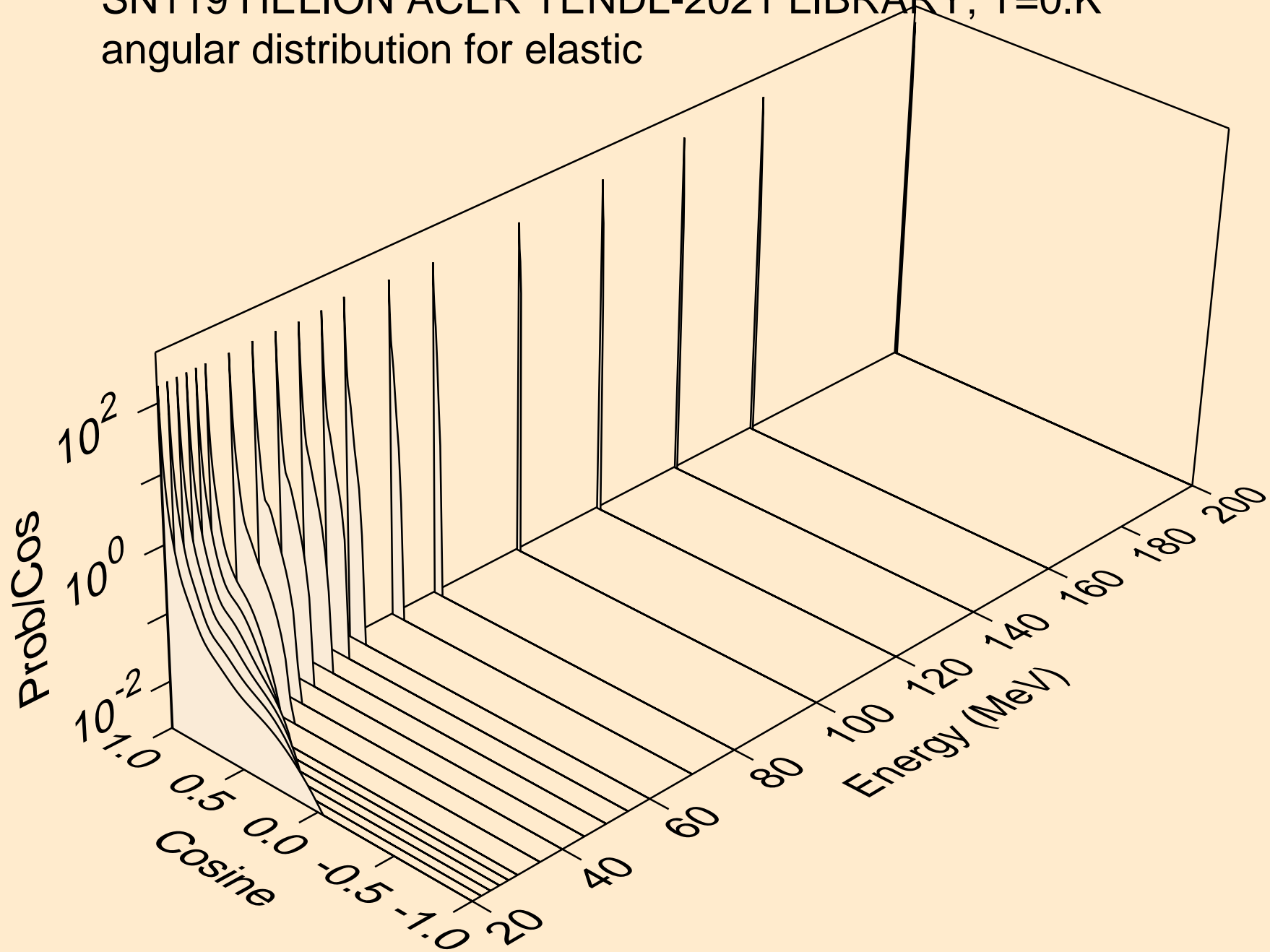
## Threshold reactions



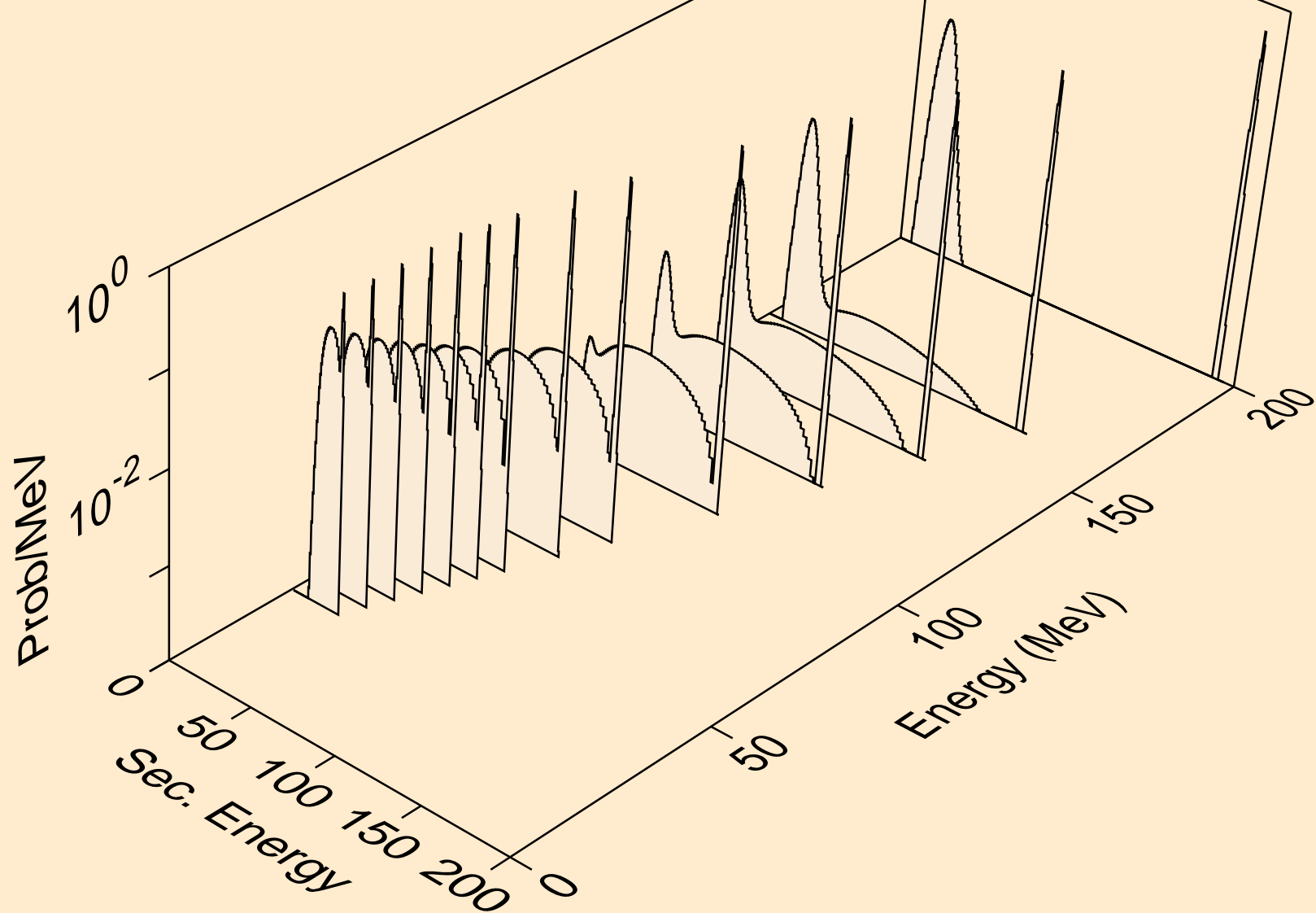
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



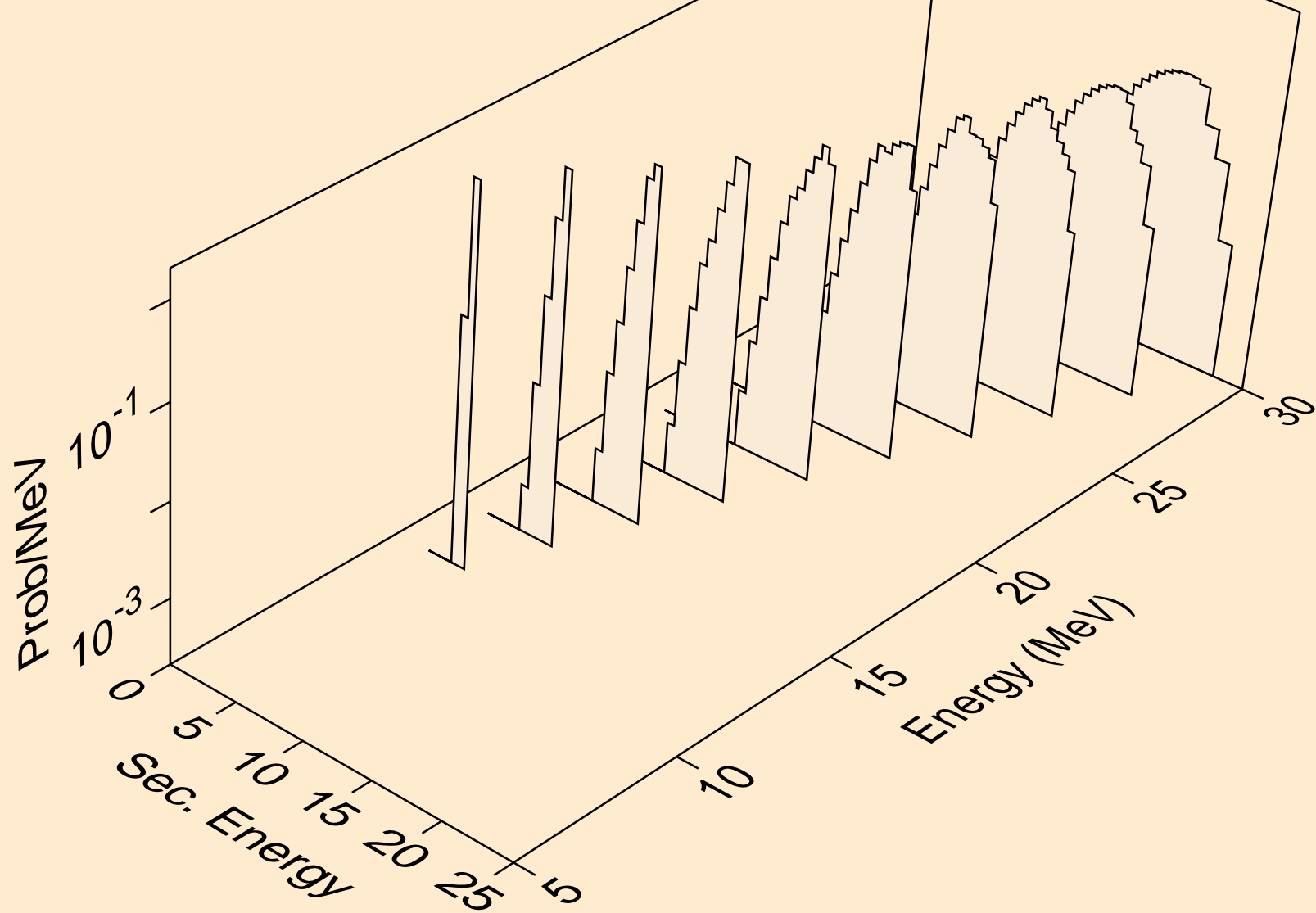
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,x)

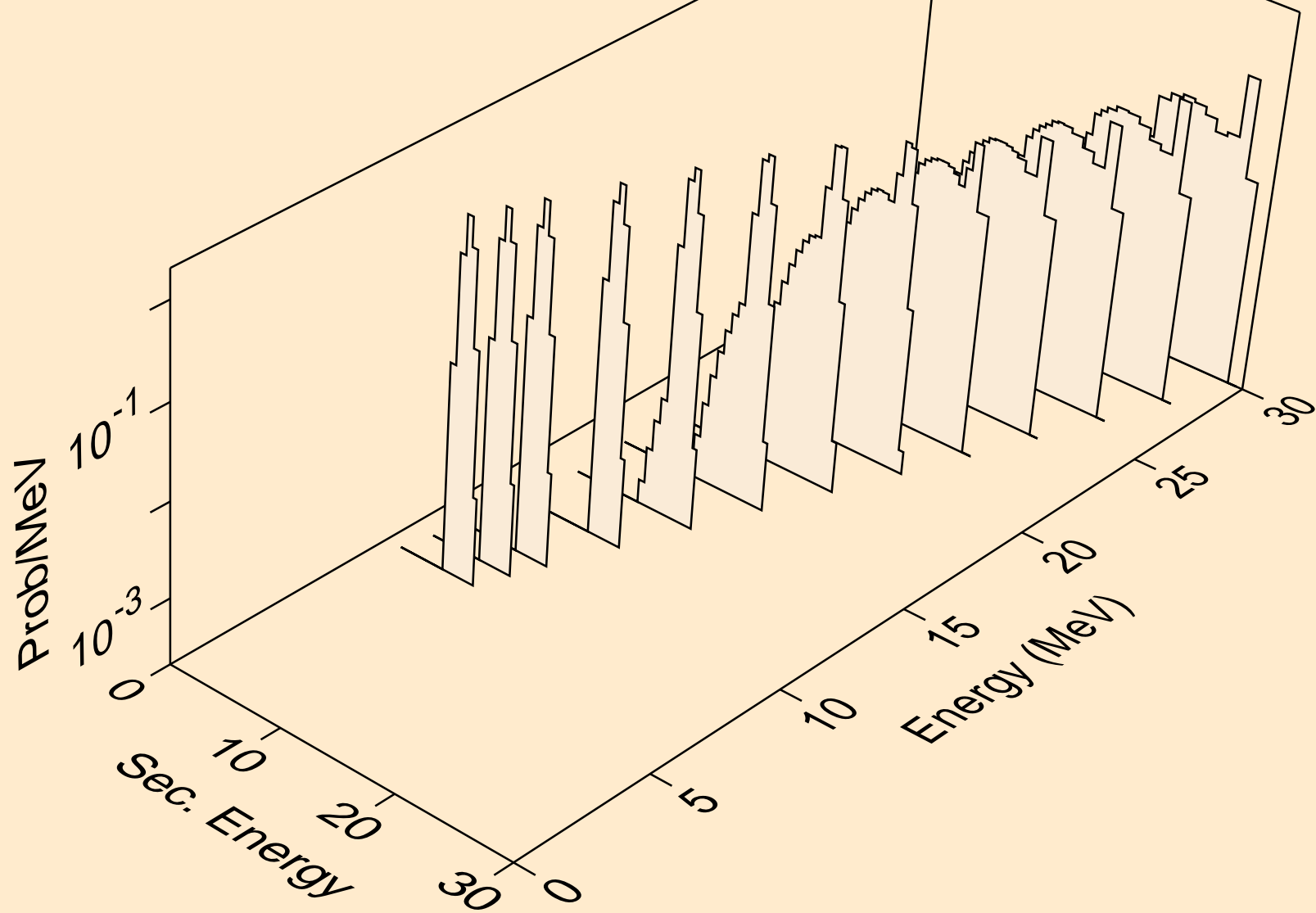


SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

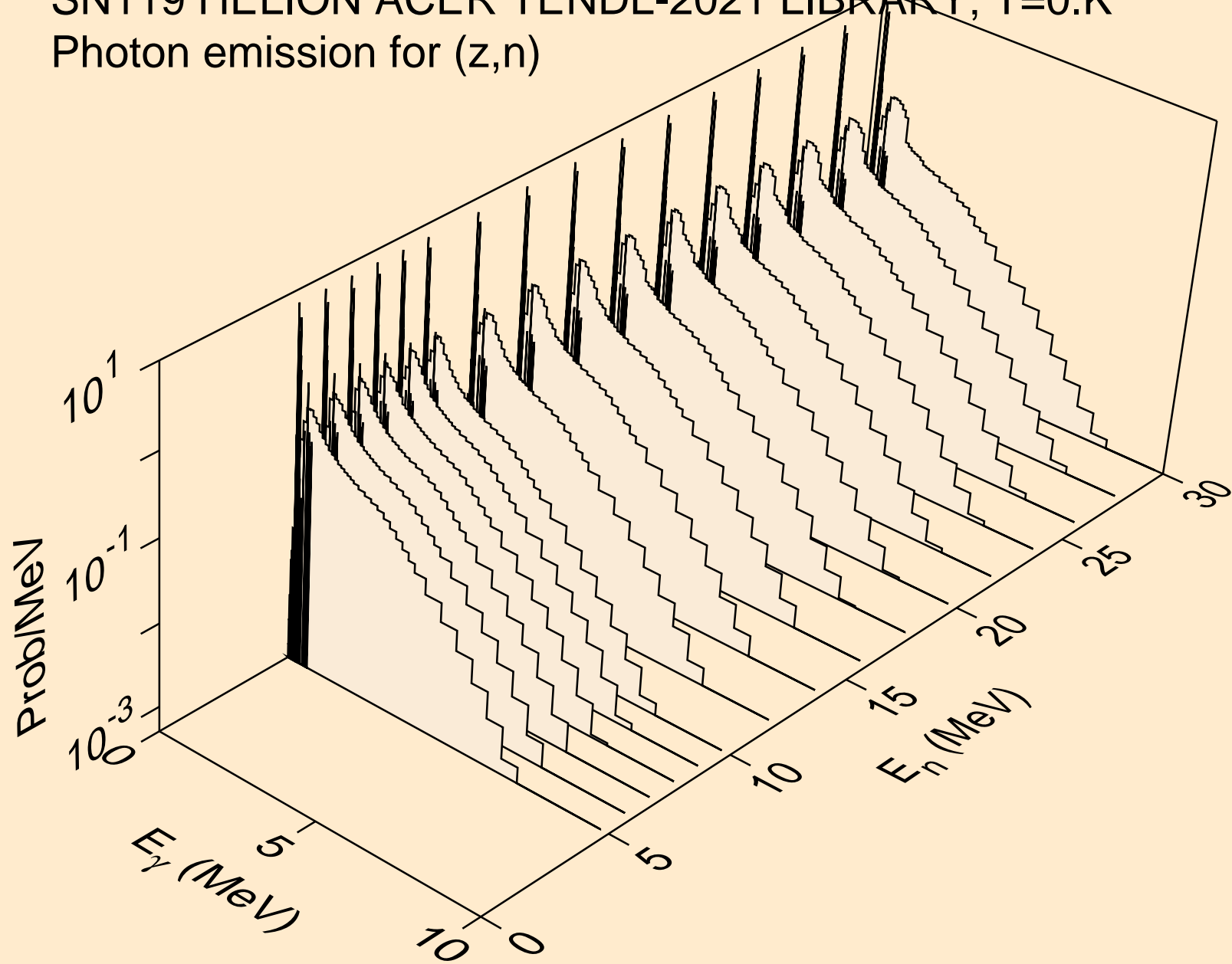




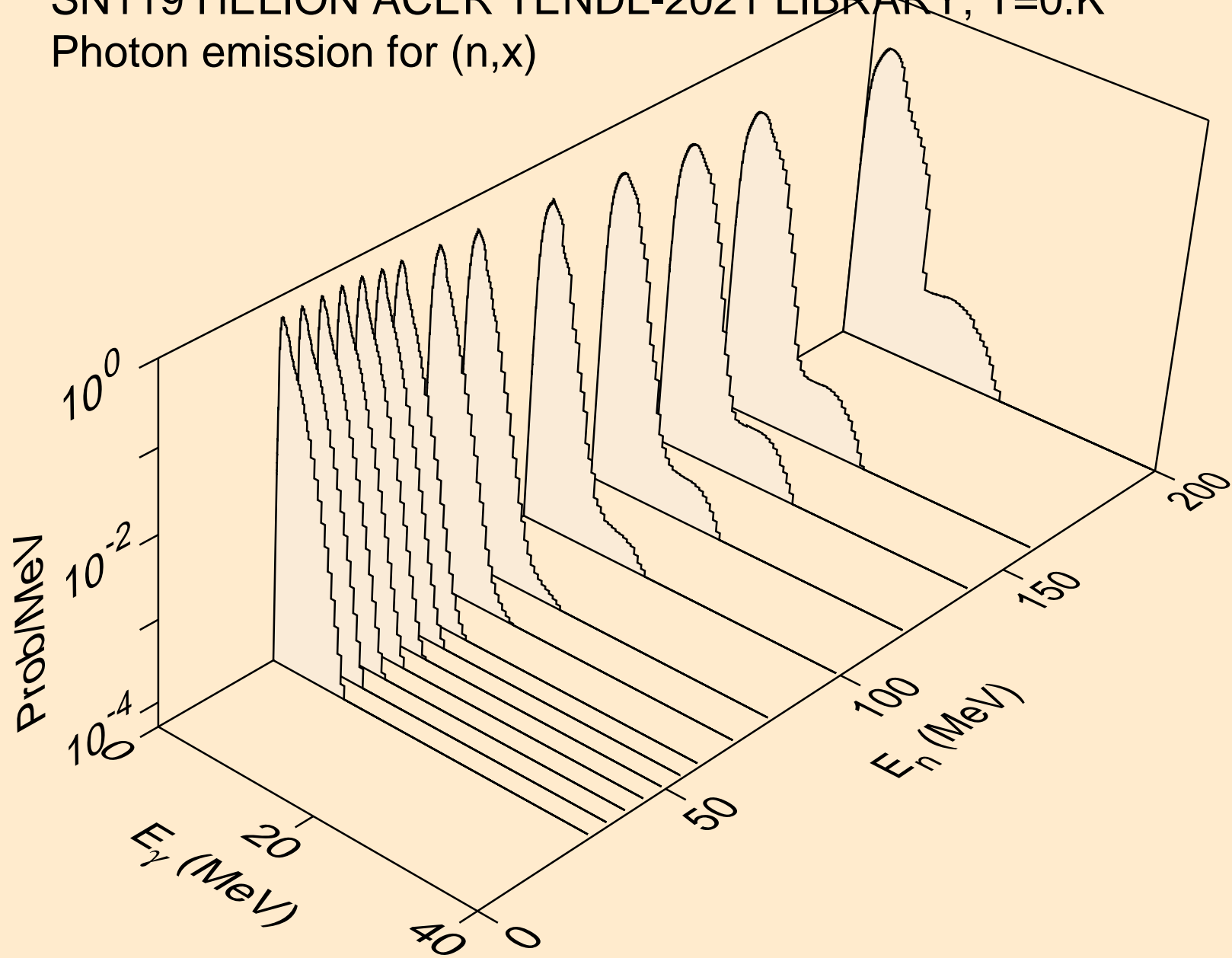
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for inelastic



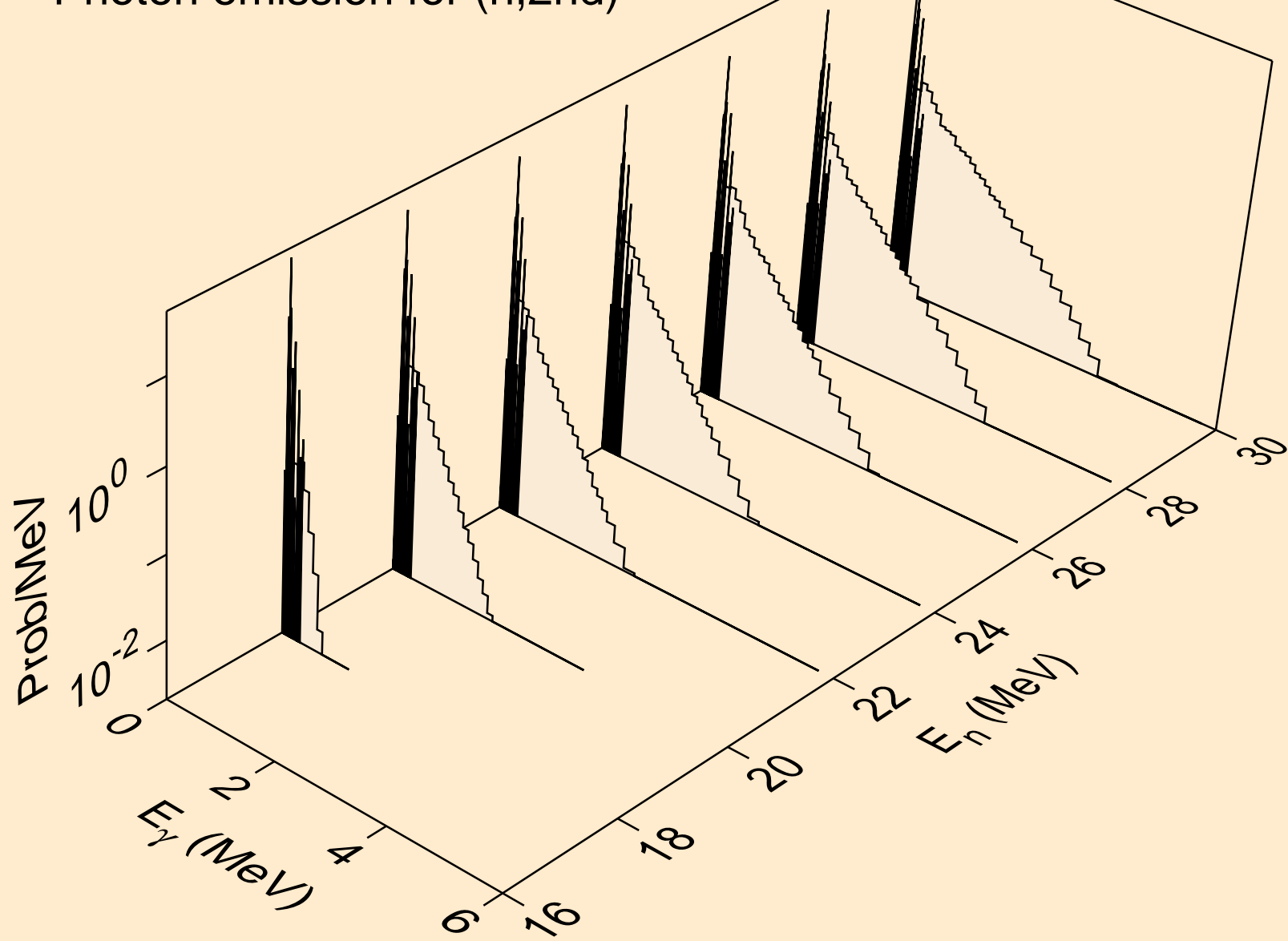
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)



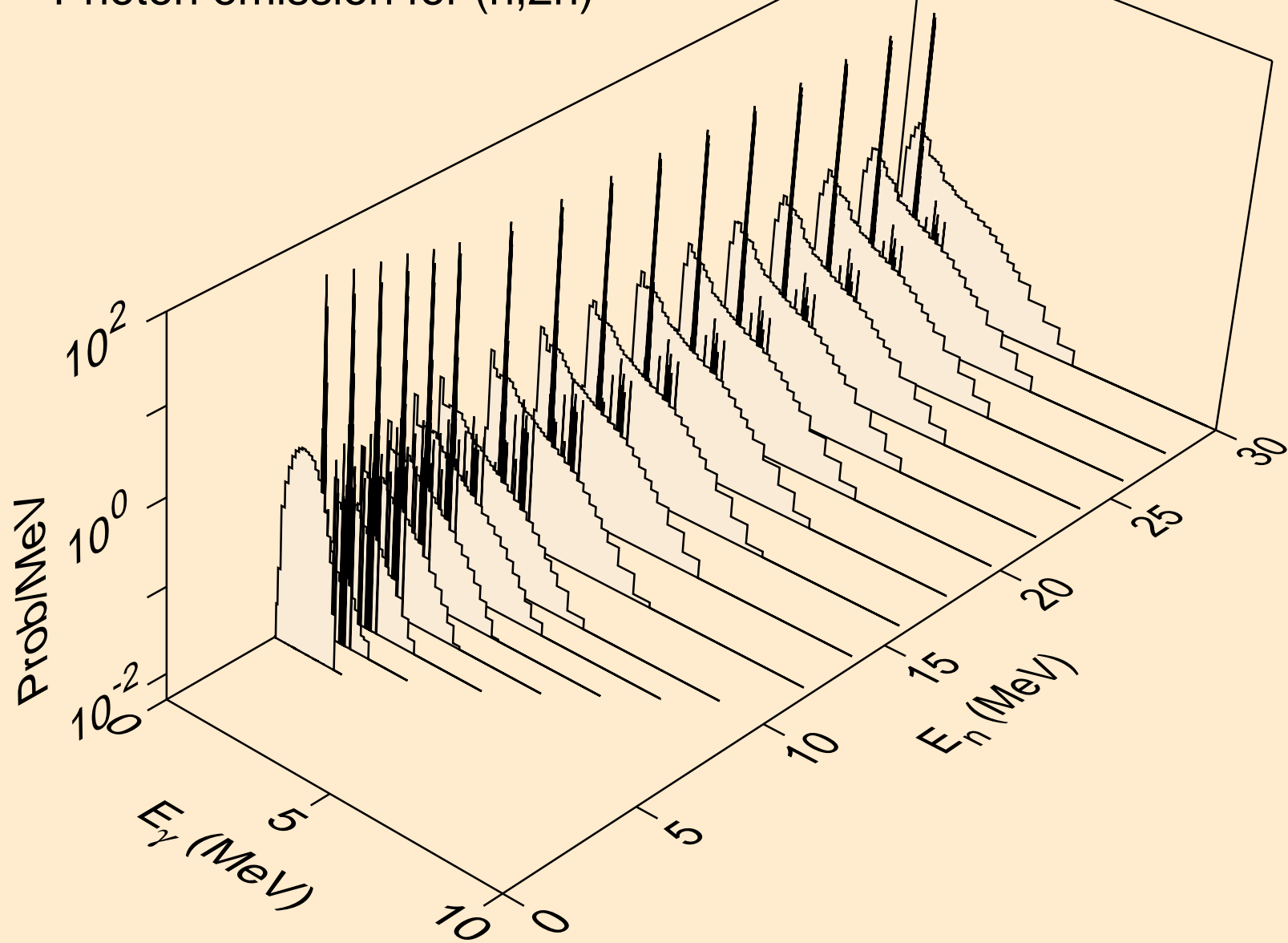
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



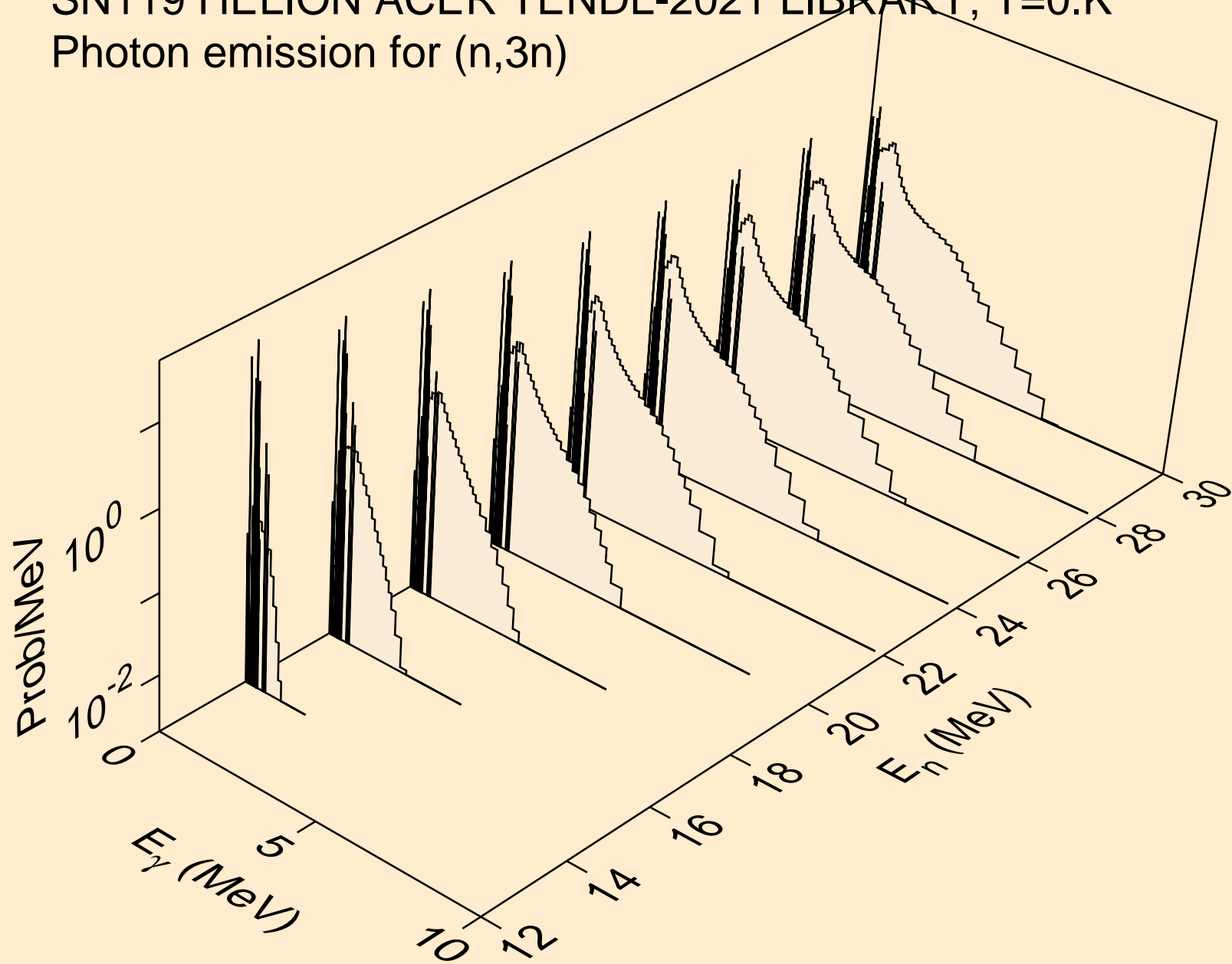
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2nd)



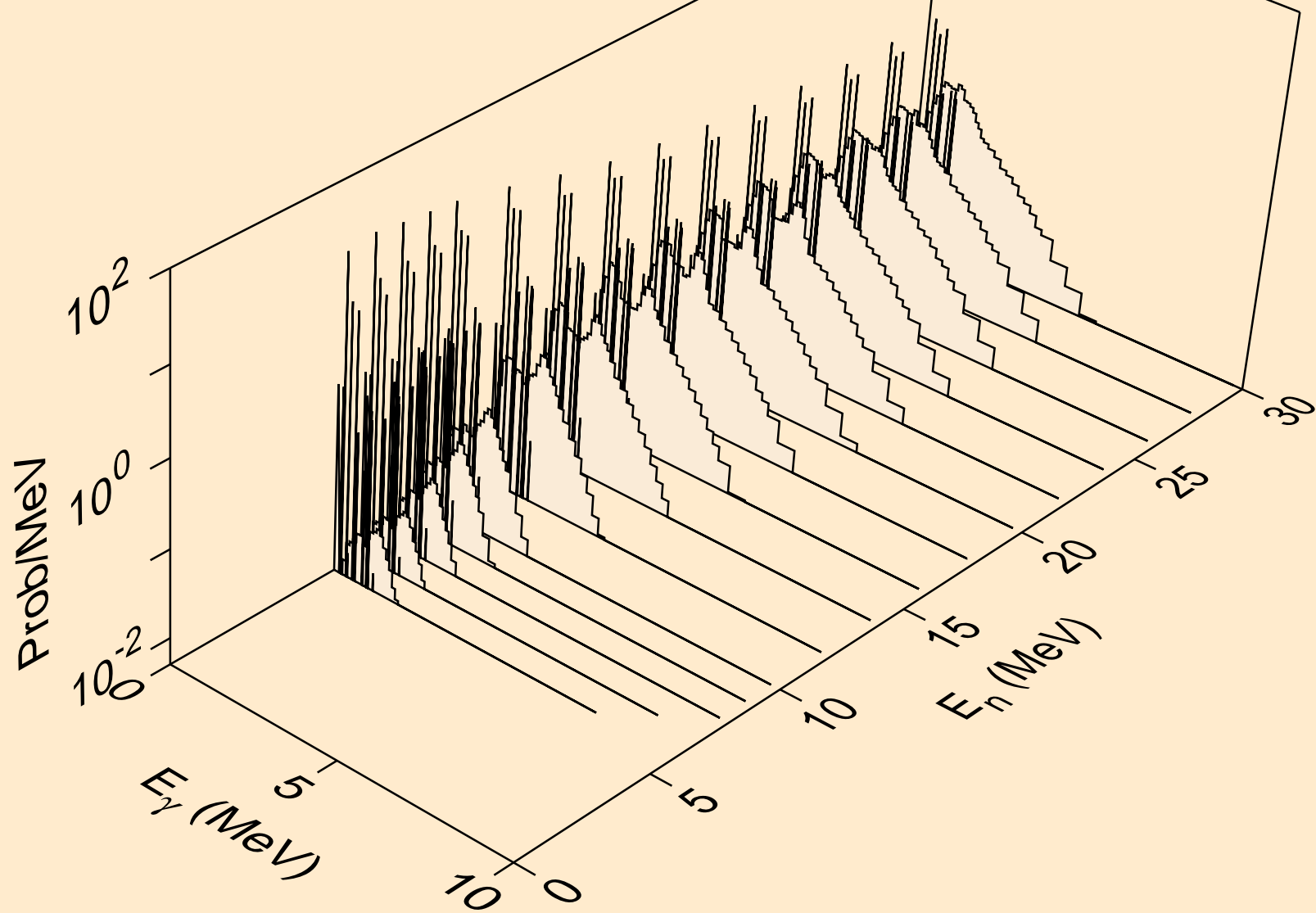
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)



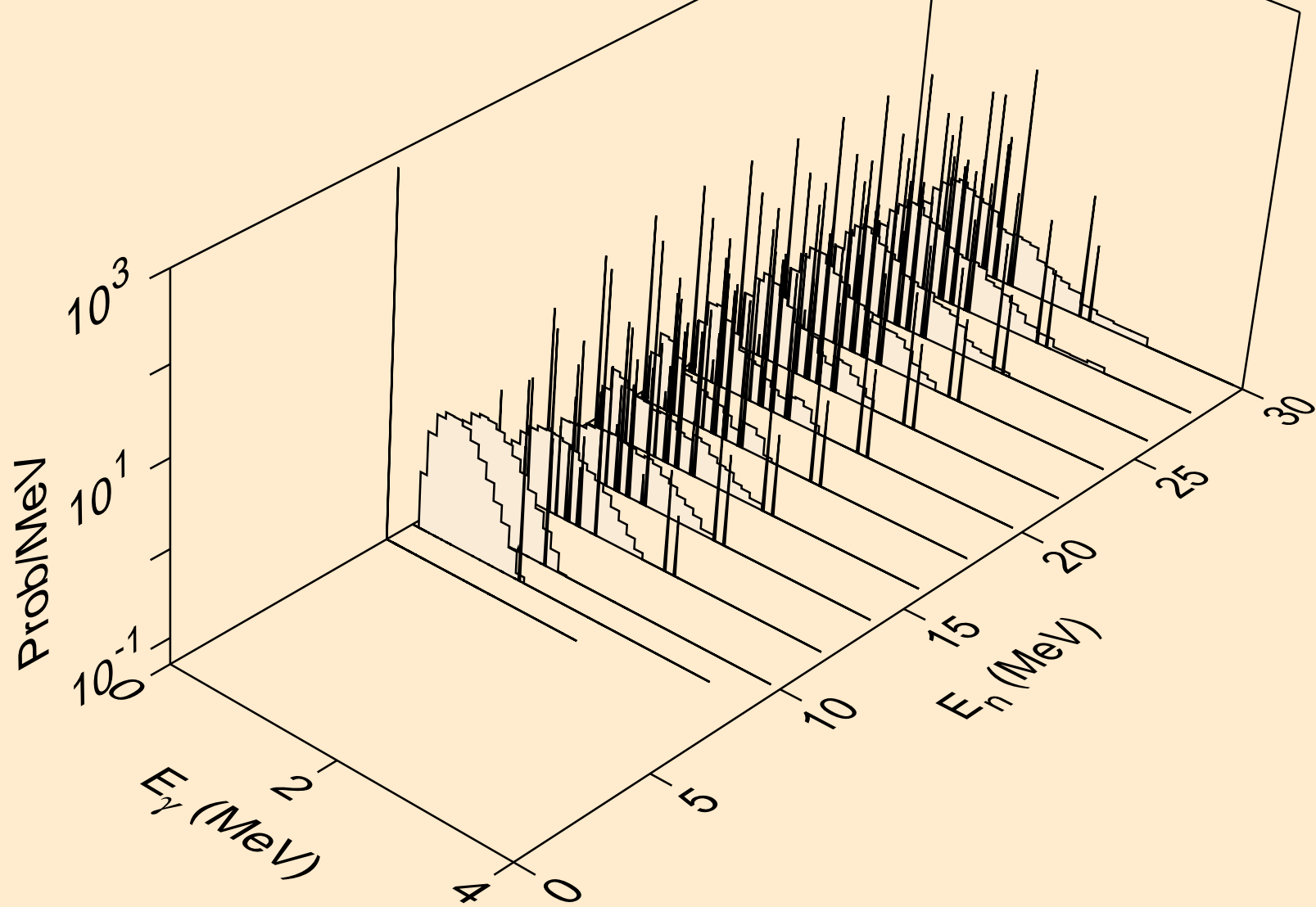
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)



SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

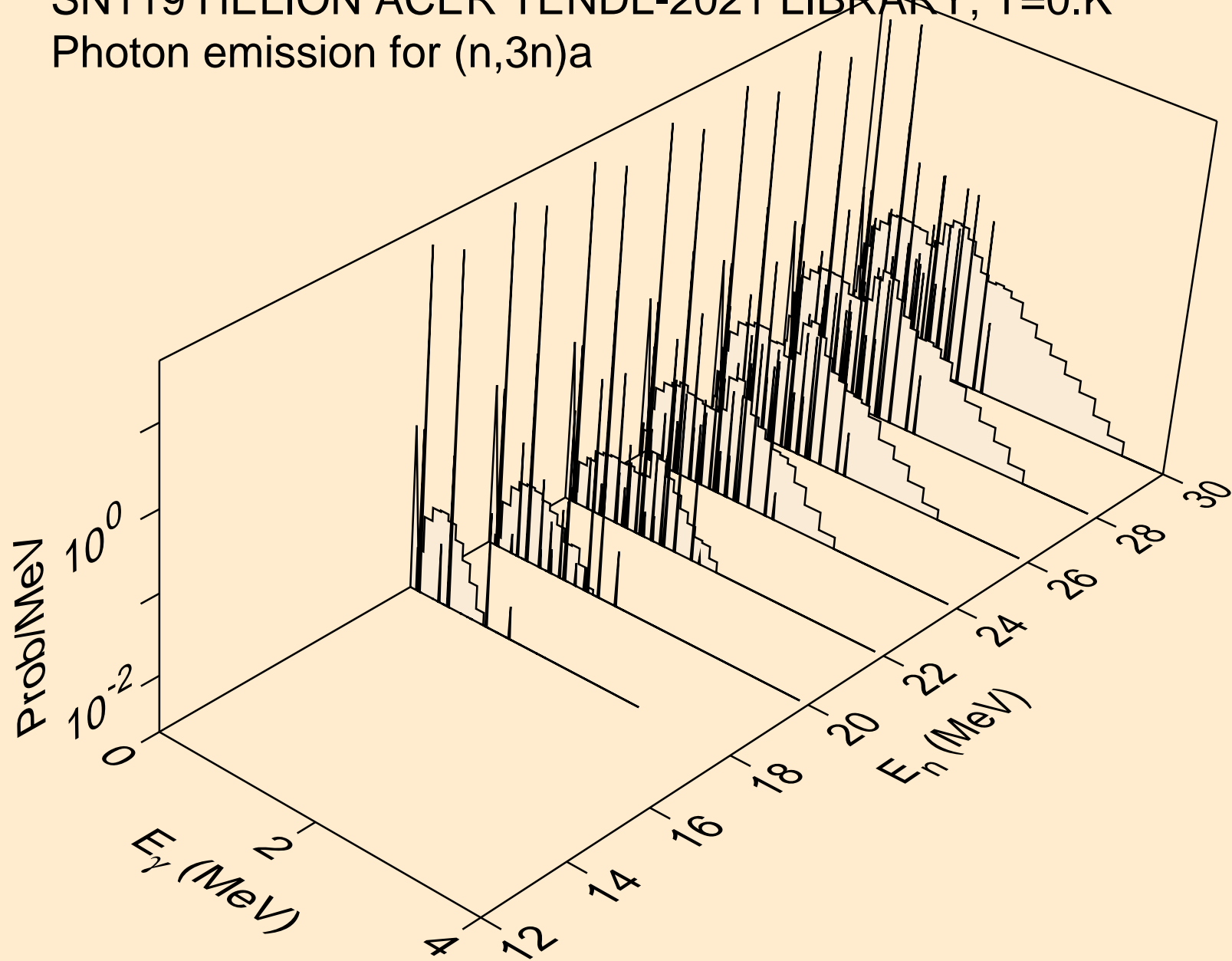


SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)a

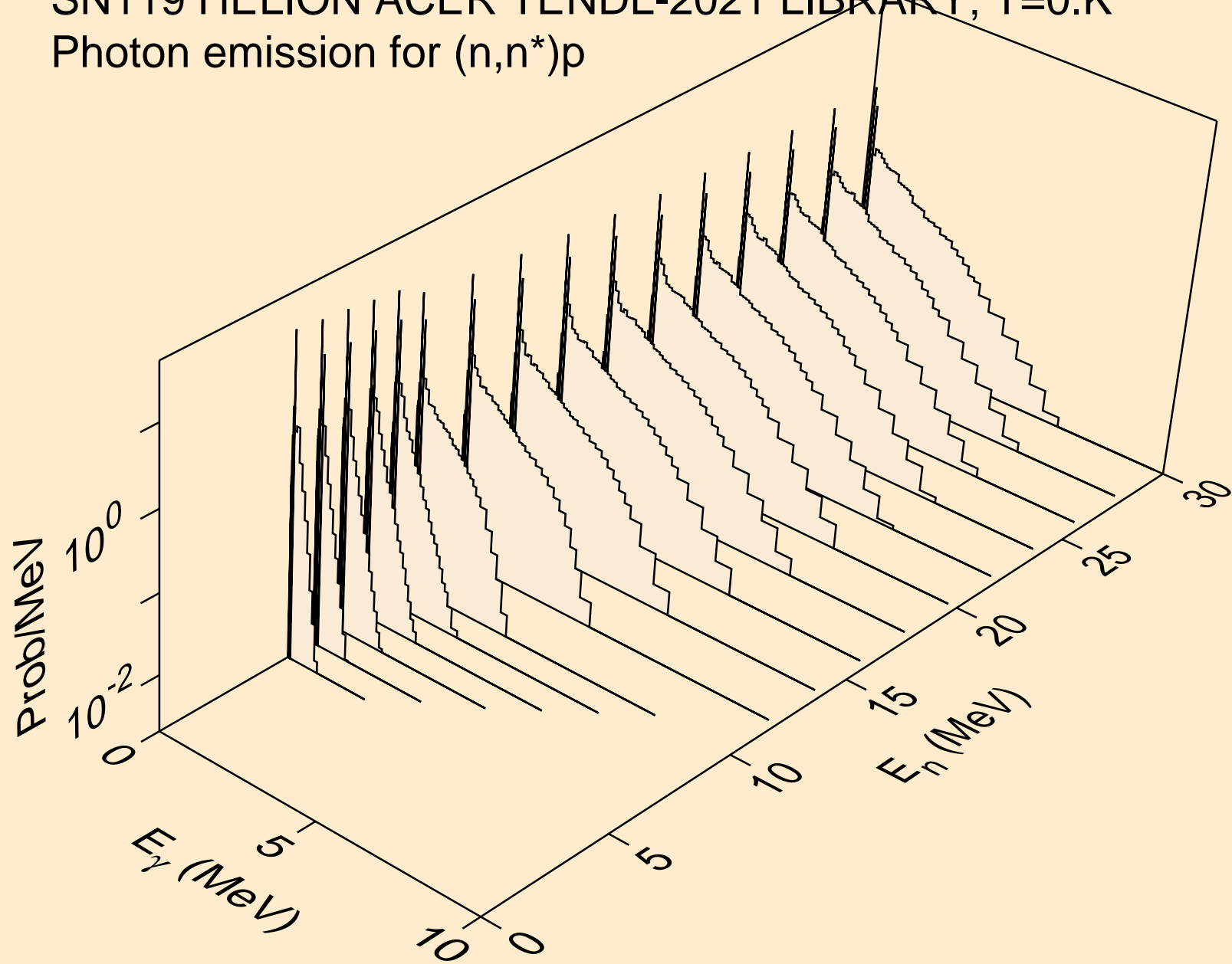




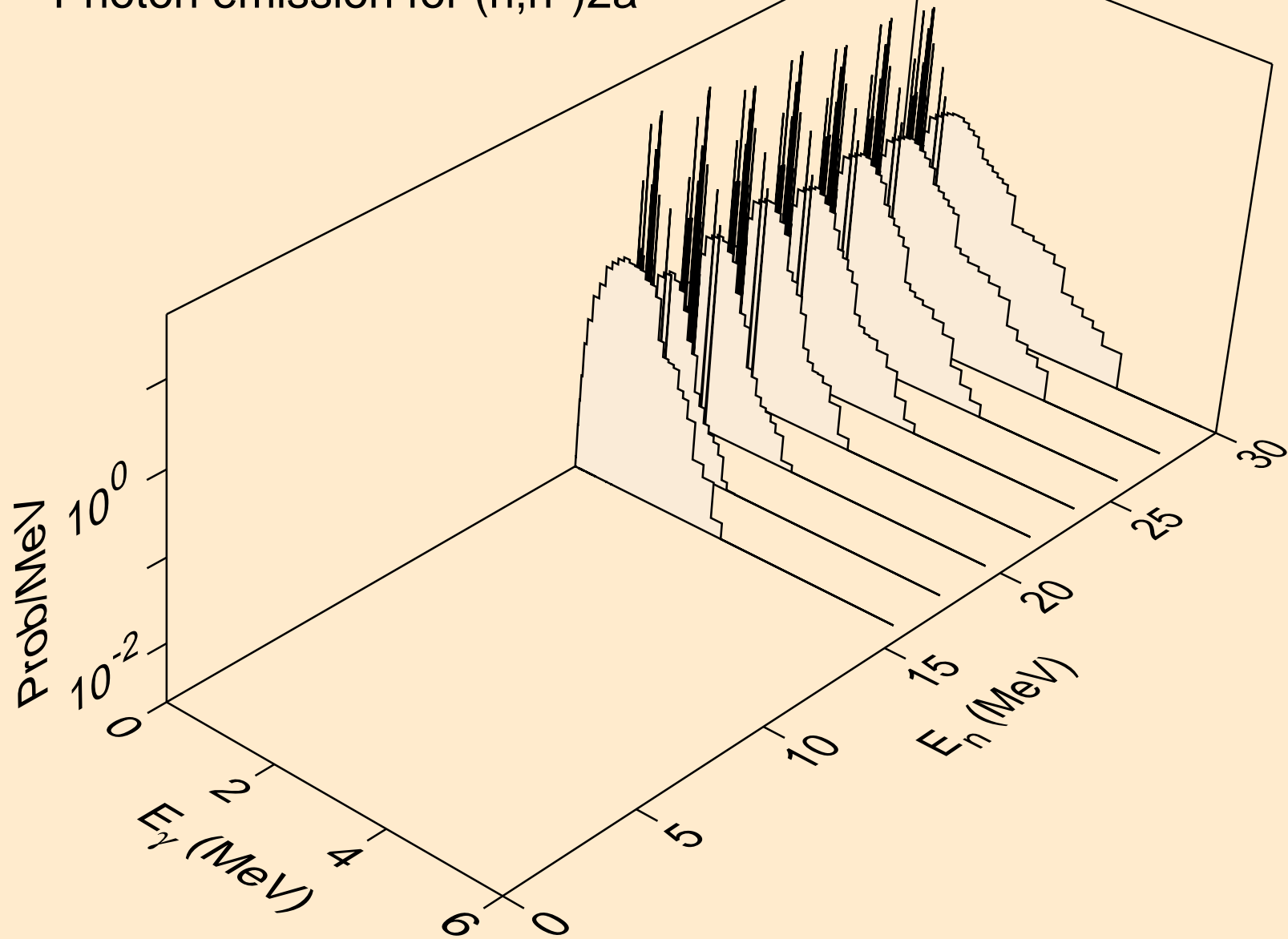
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)a



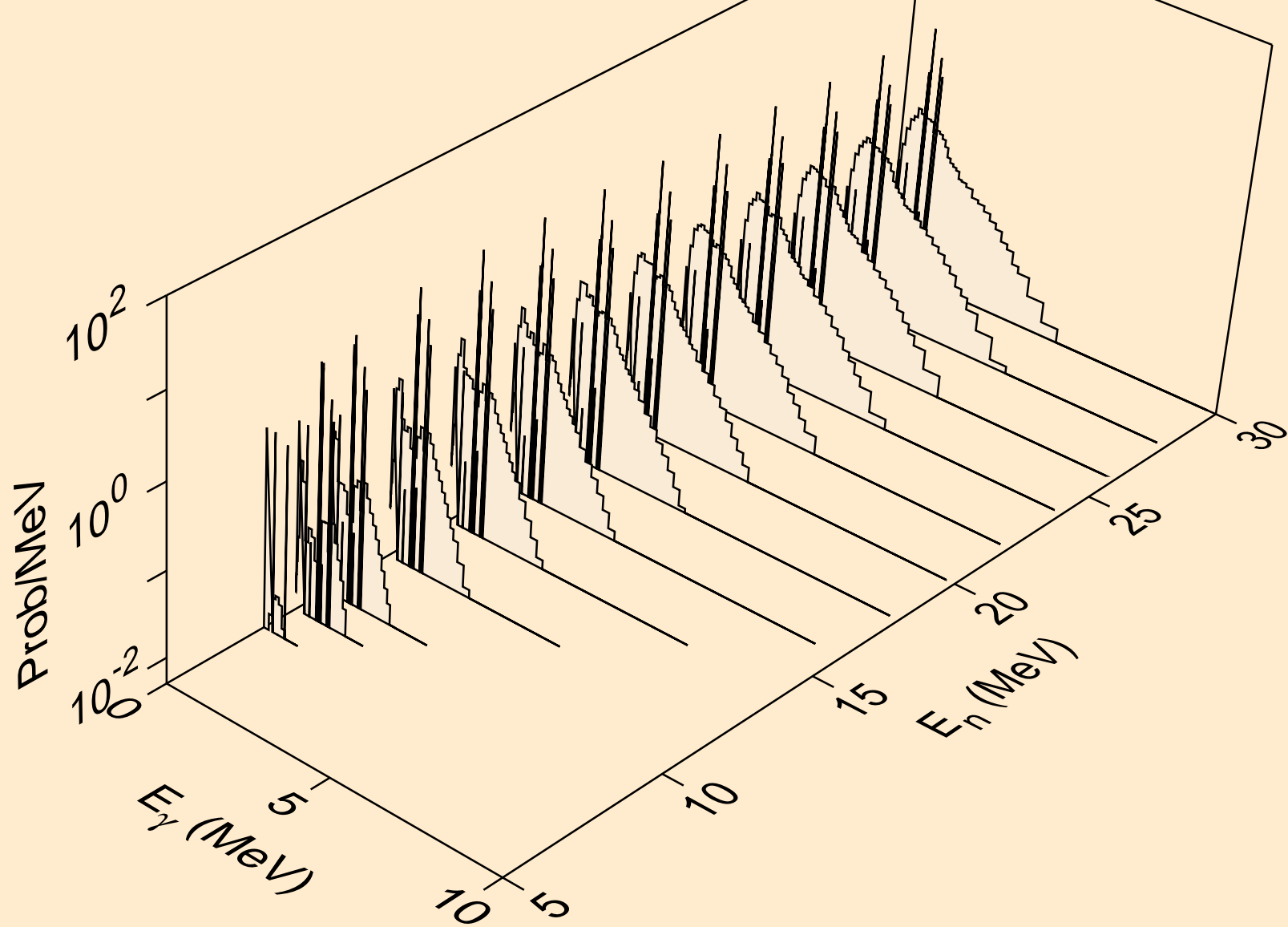
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



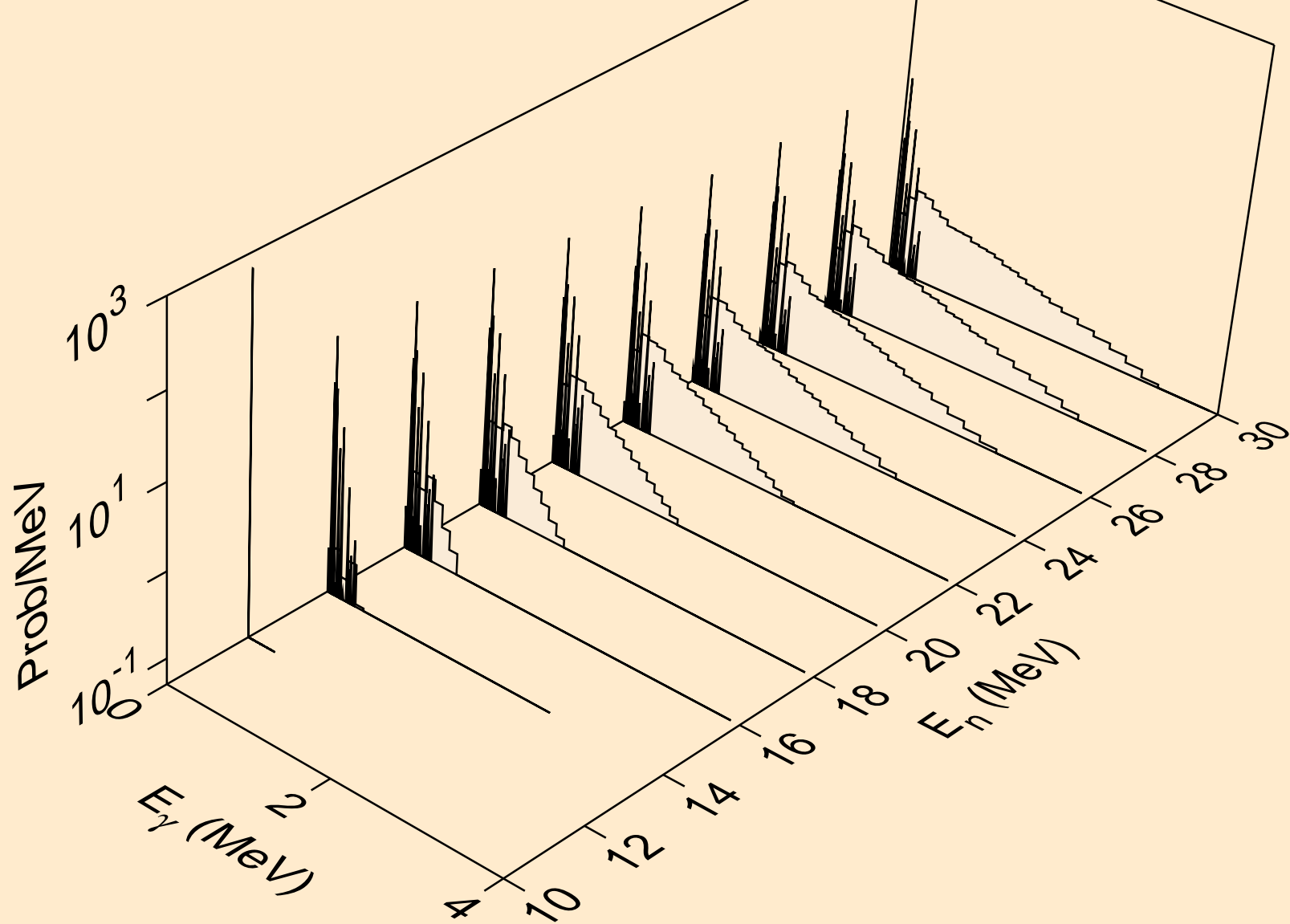
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



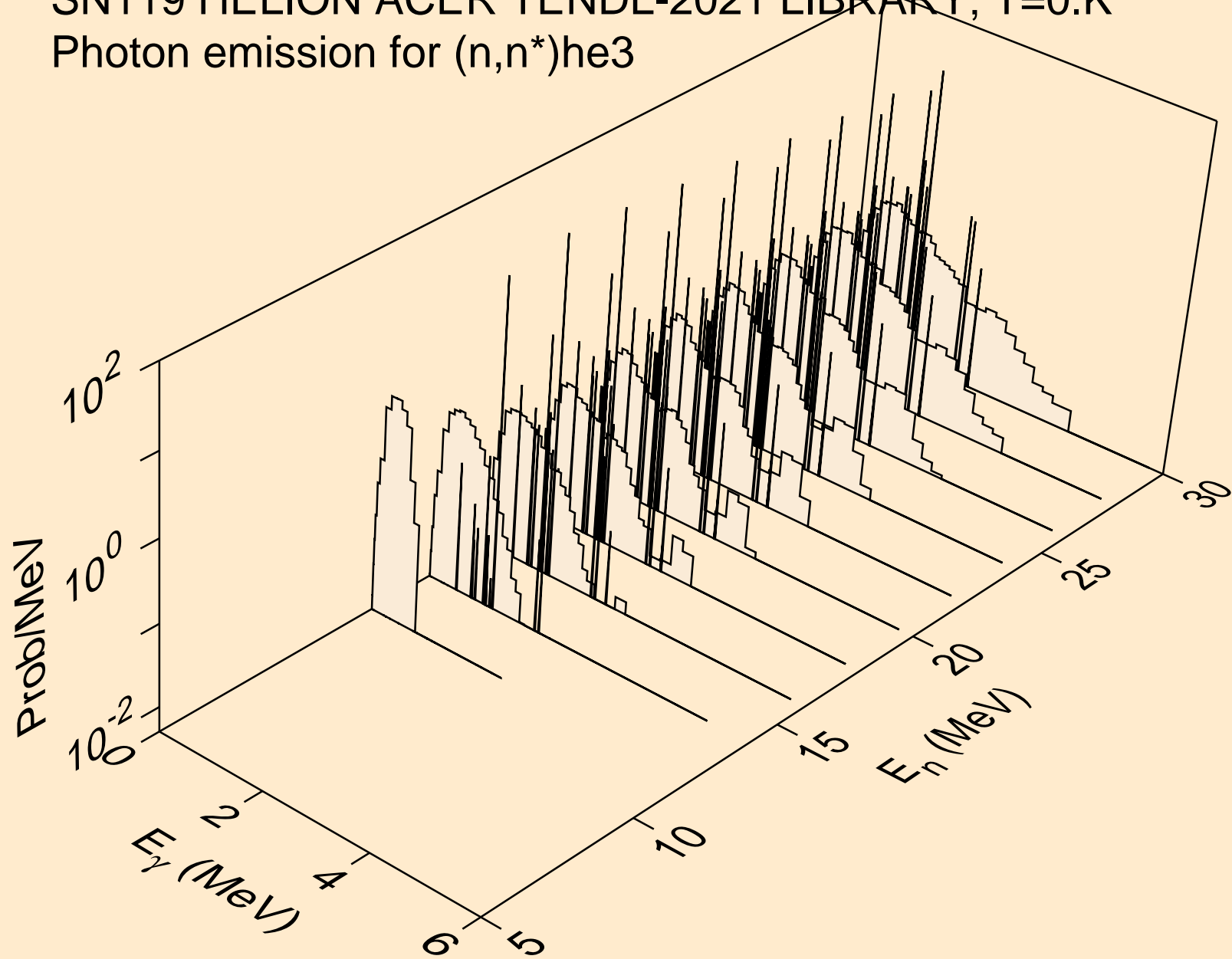
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



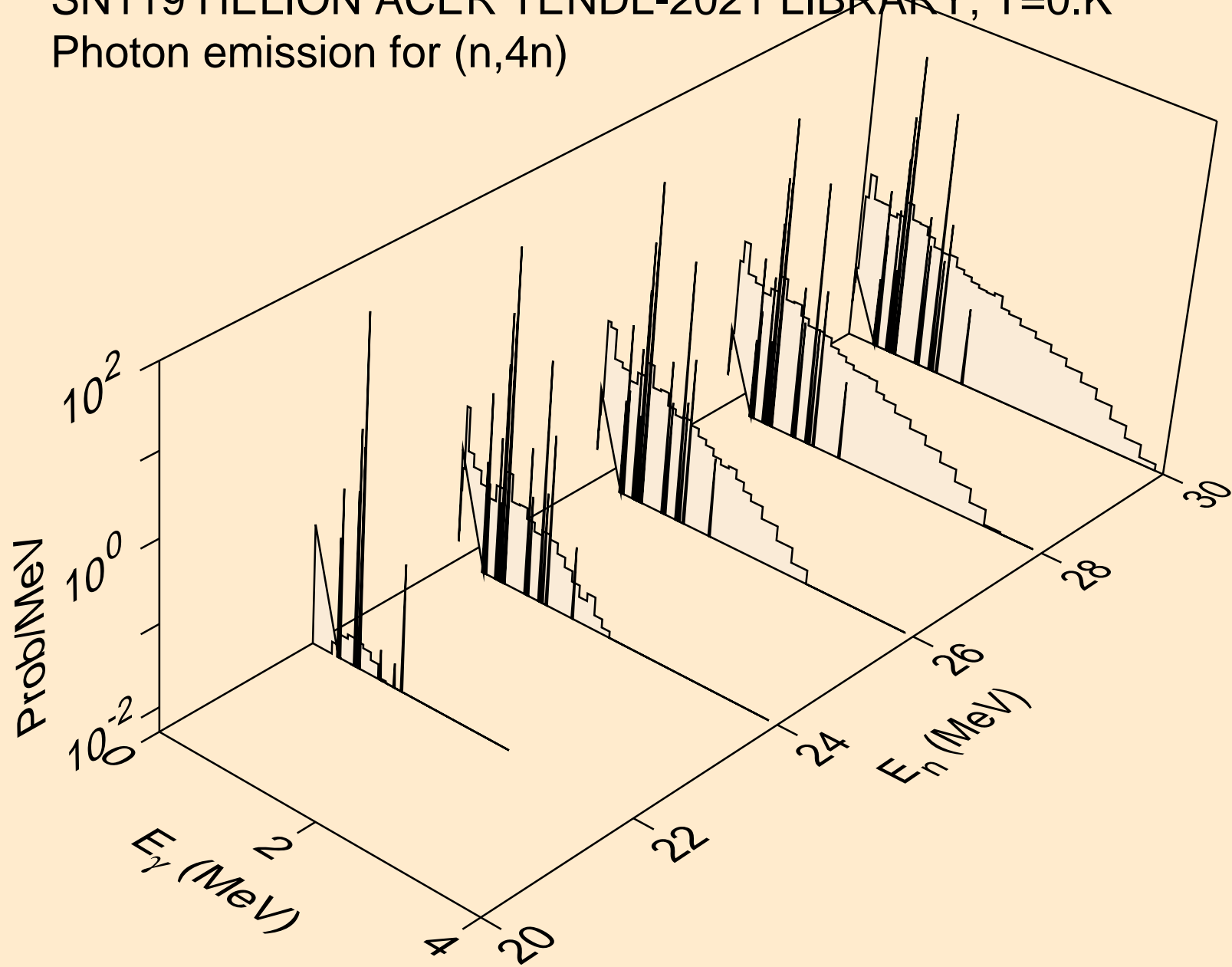
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



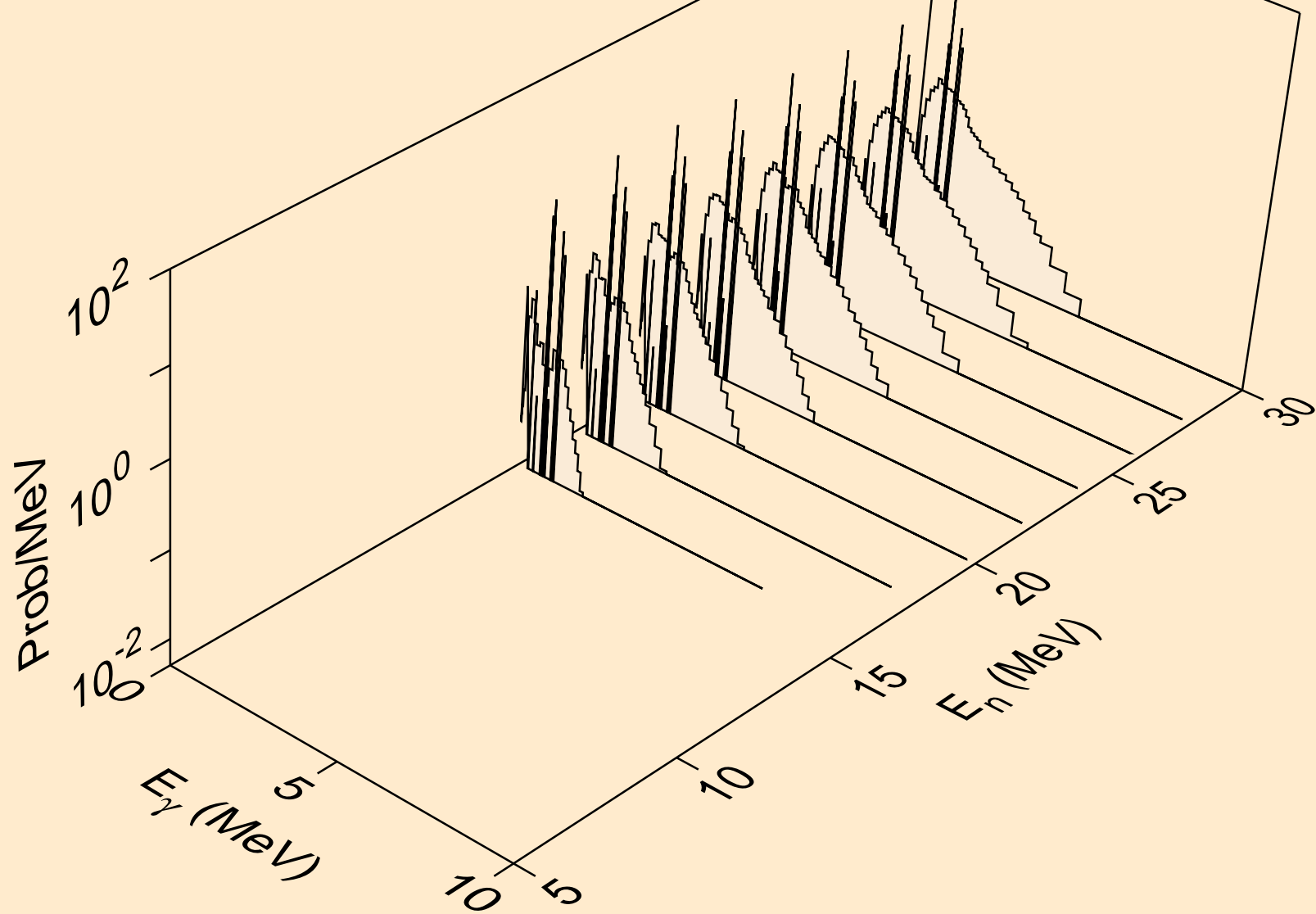
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,4n)

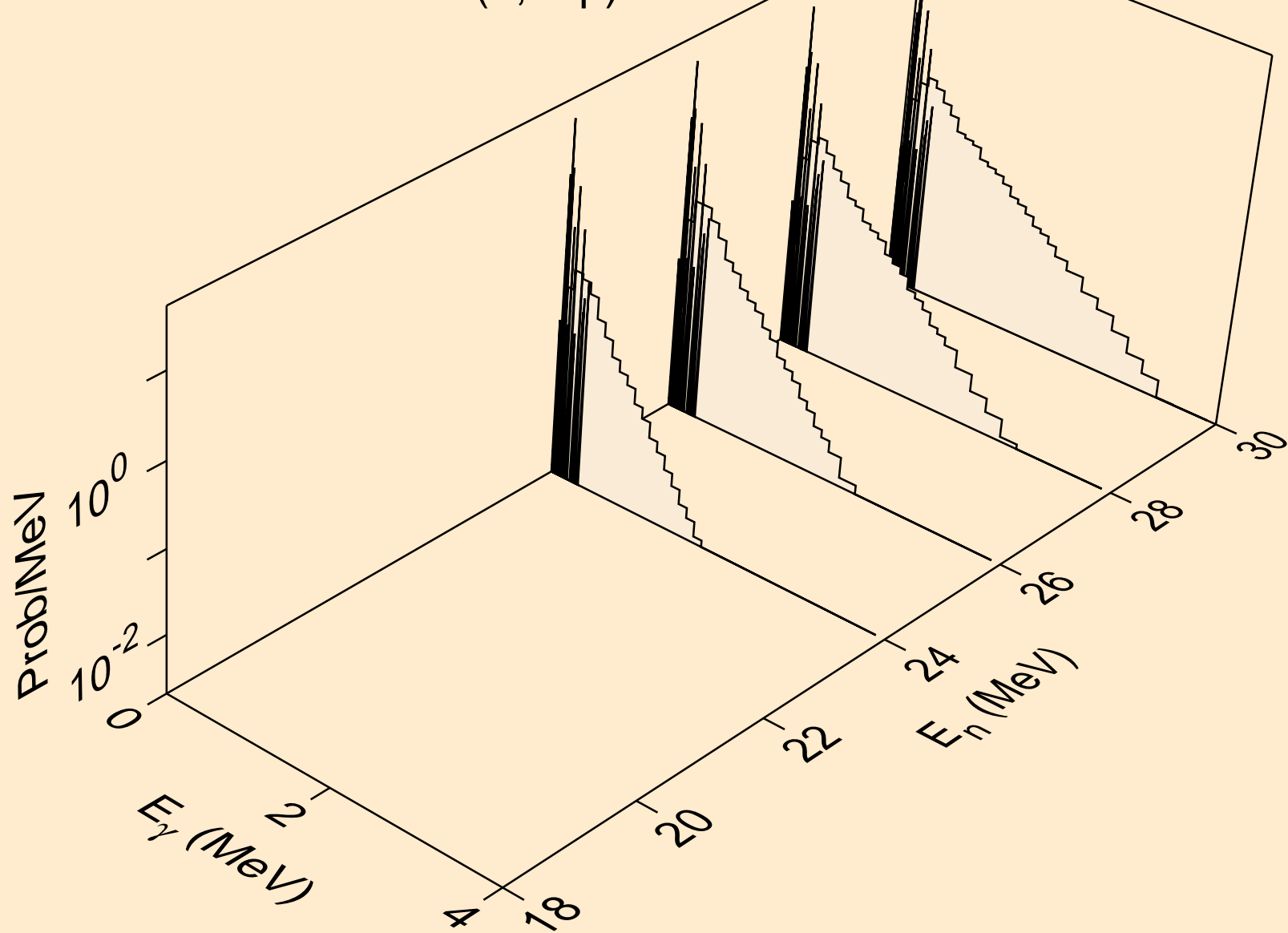


SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)

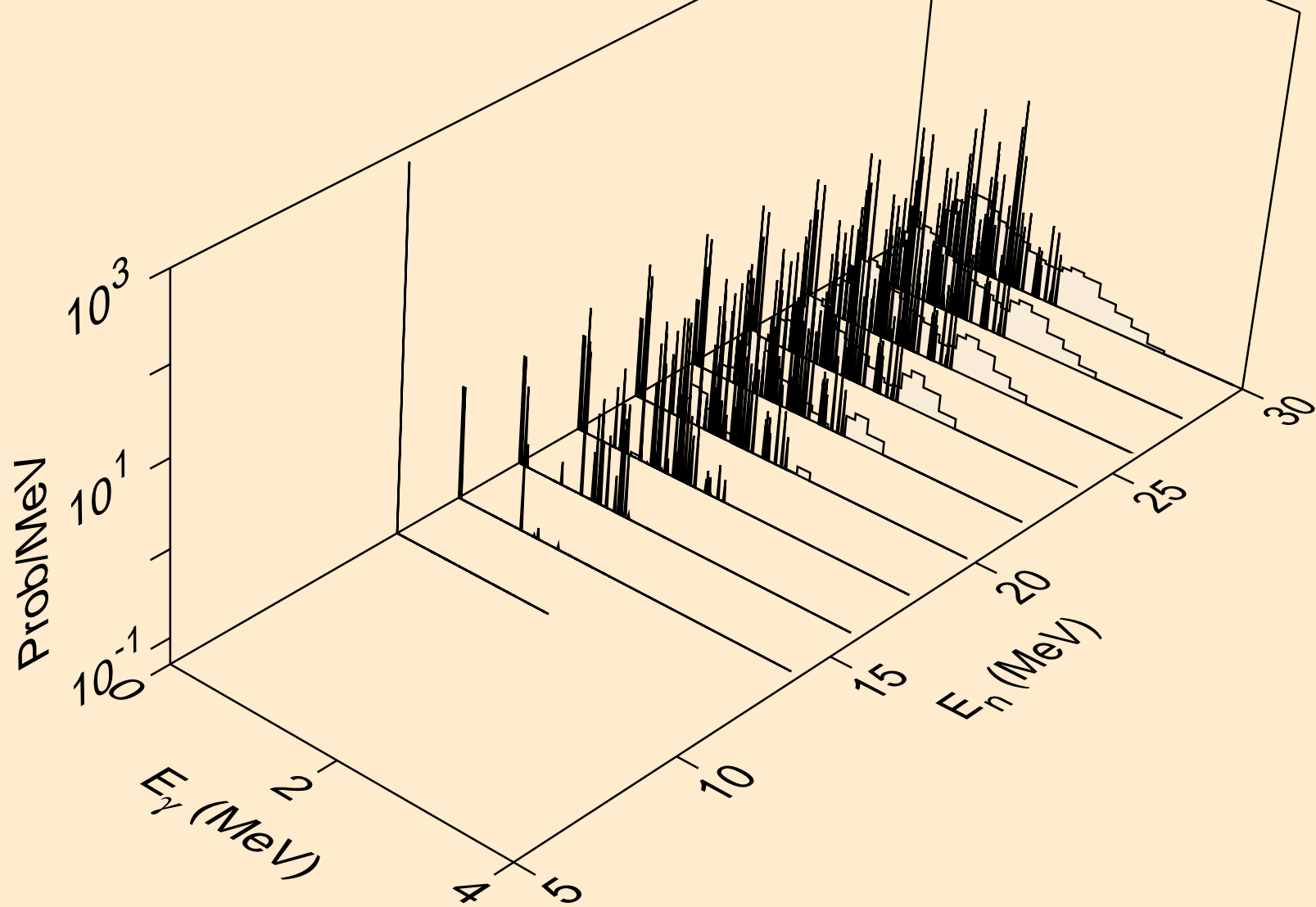




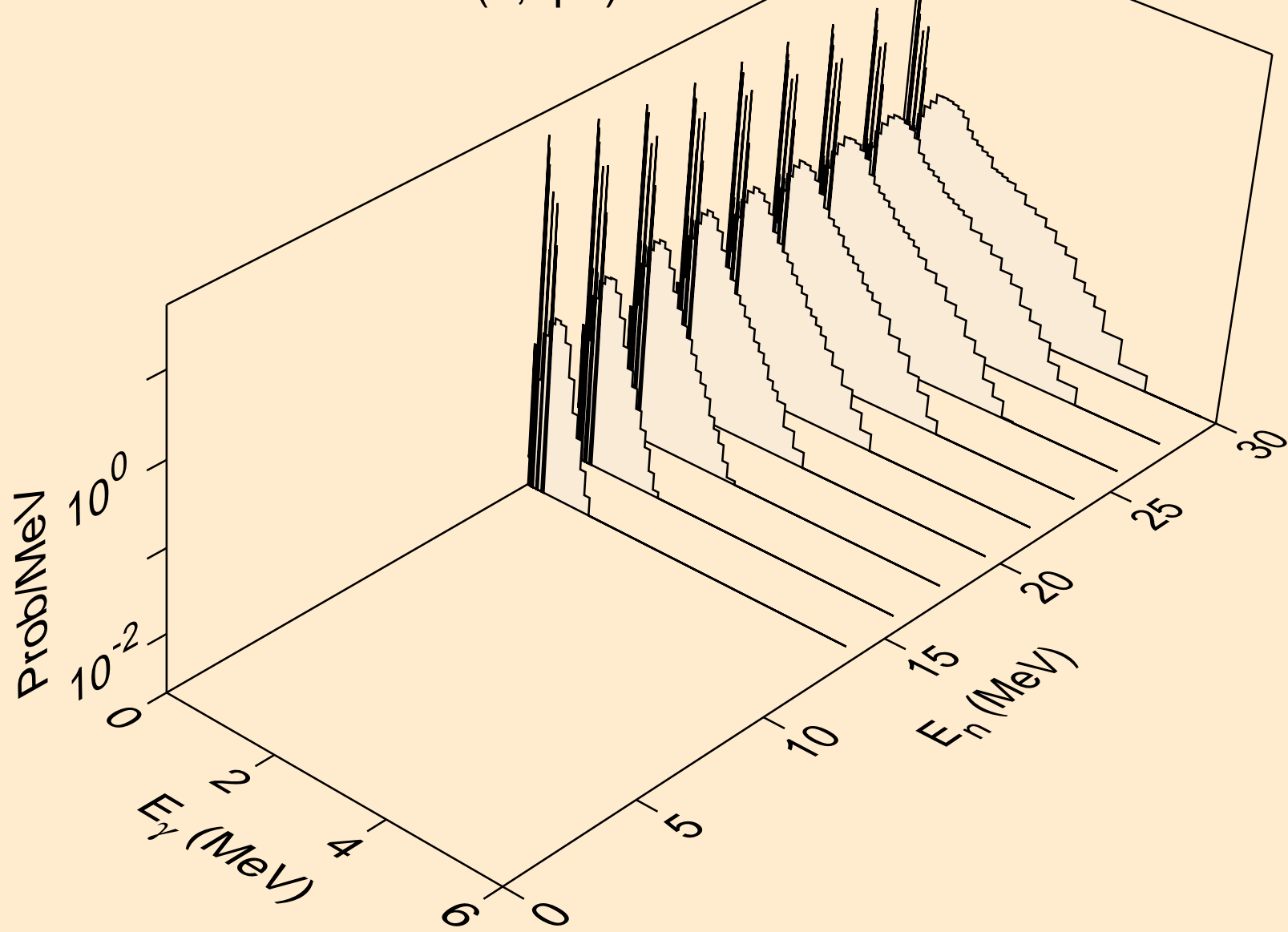
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3np)



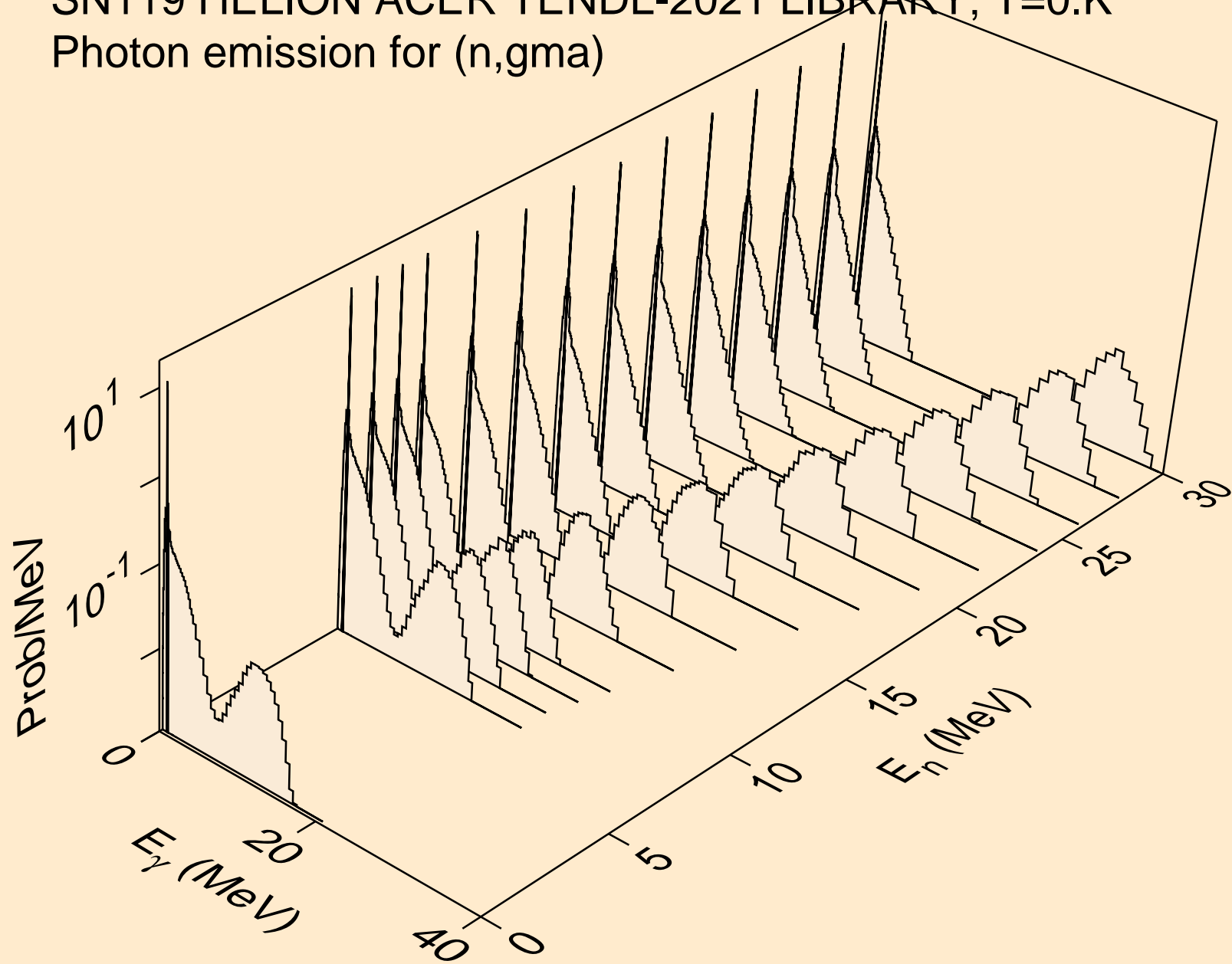
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



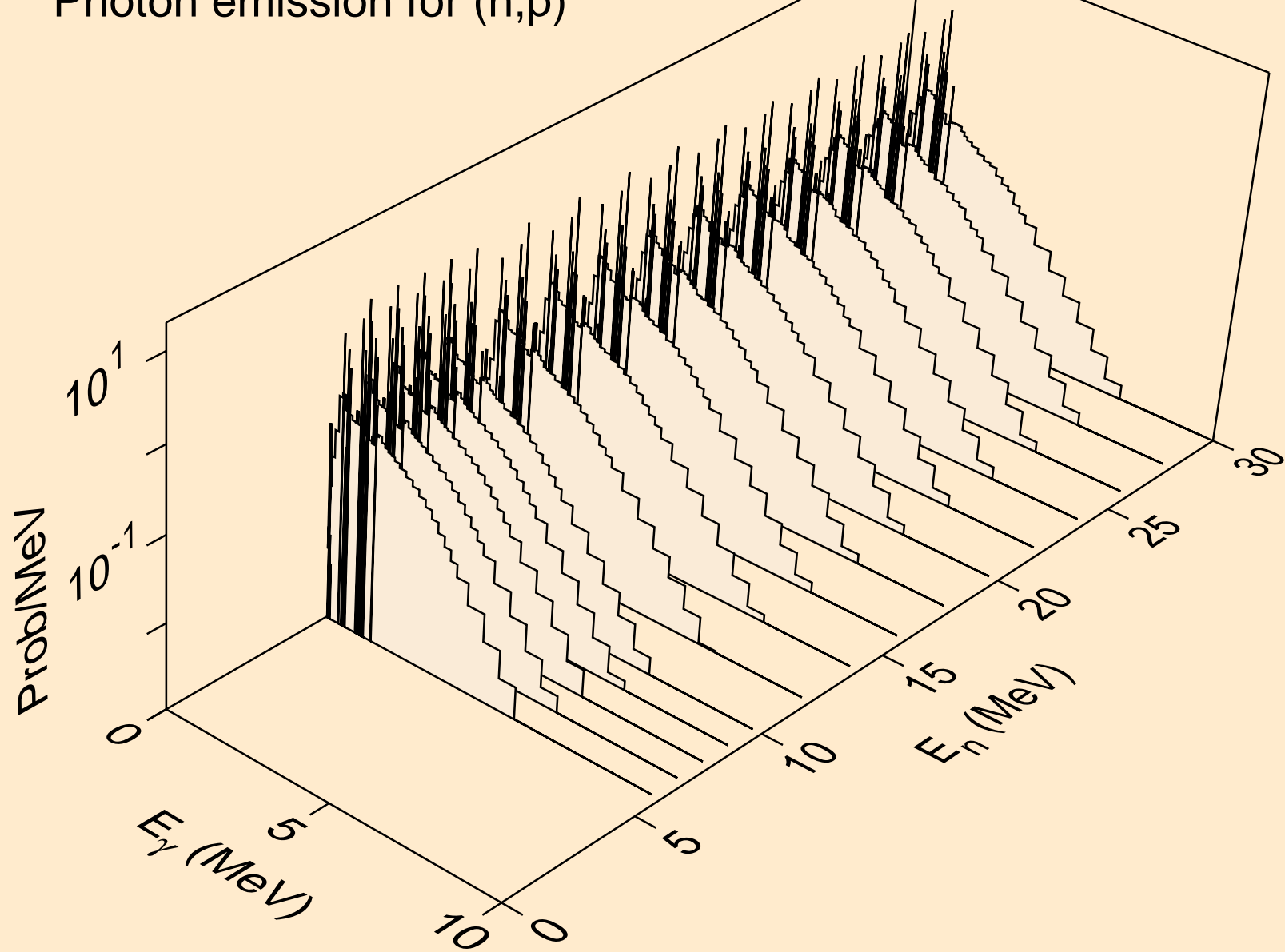
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,npa)



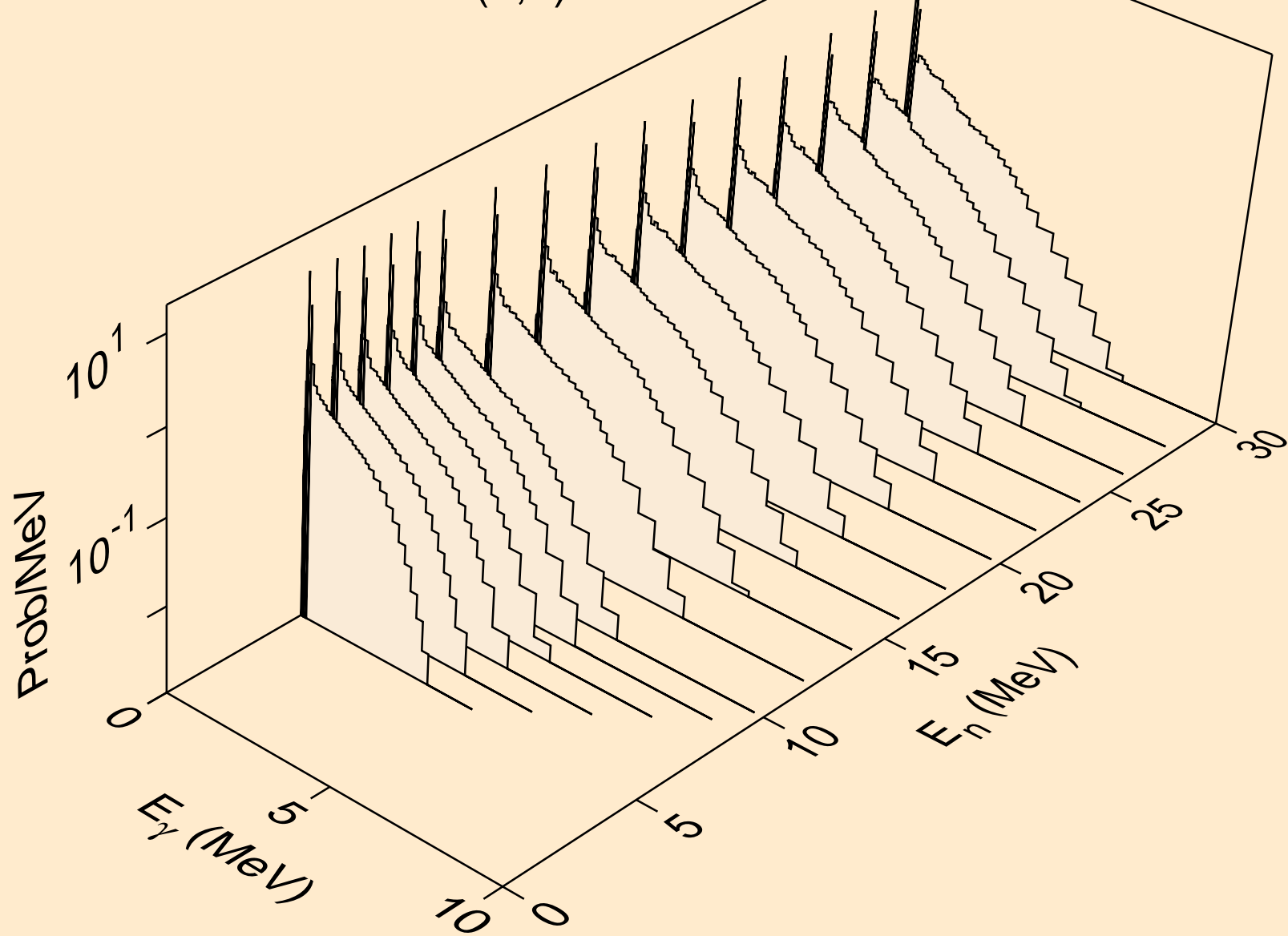
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,gma)



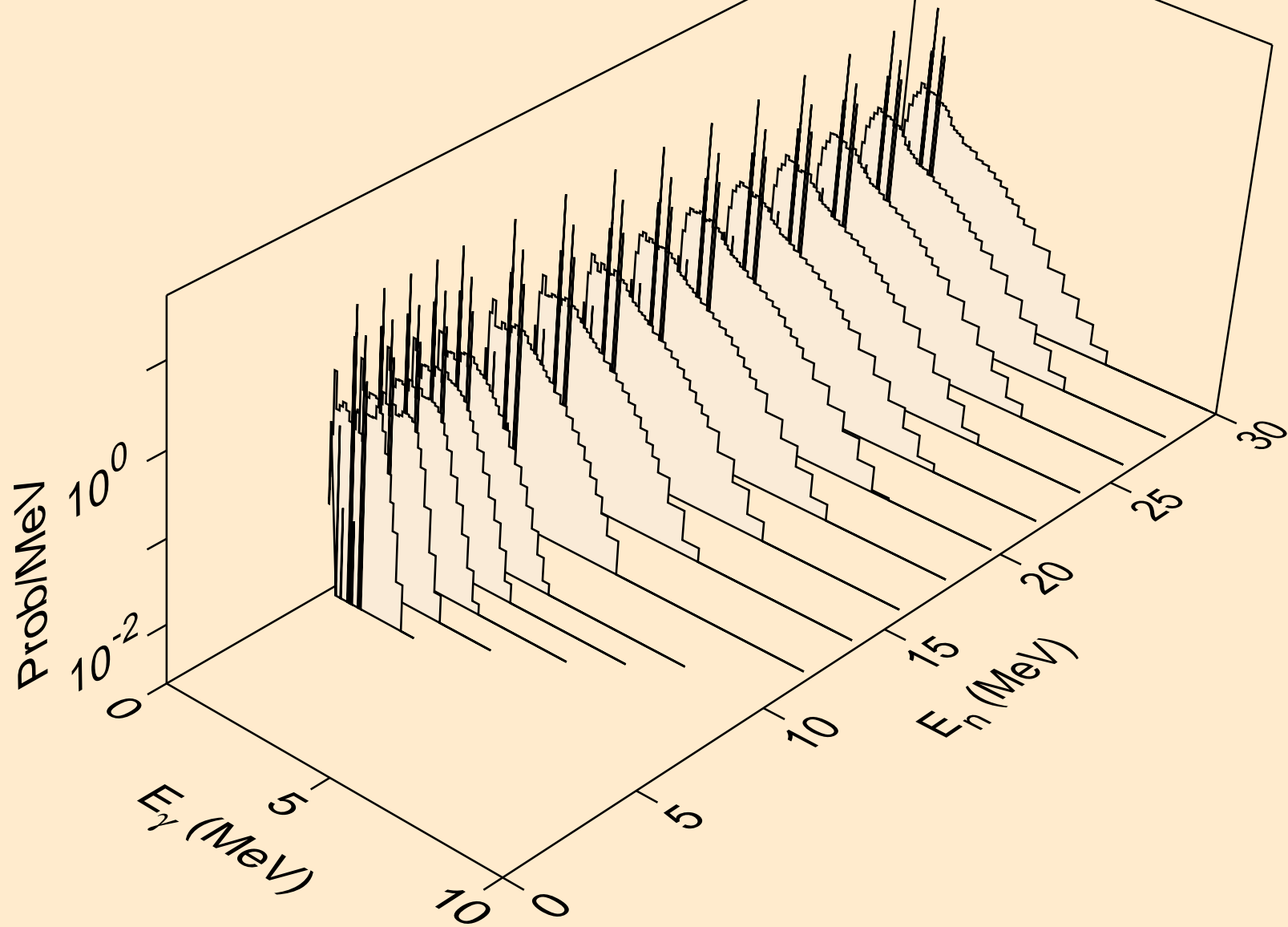
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,p)



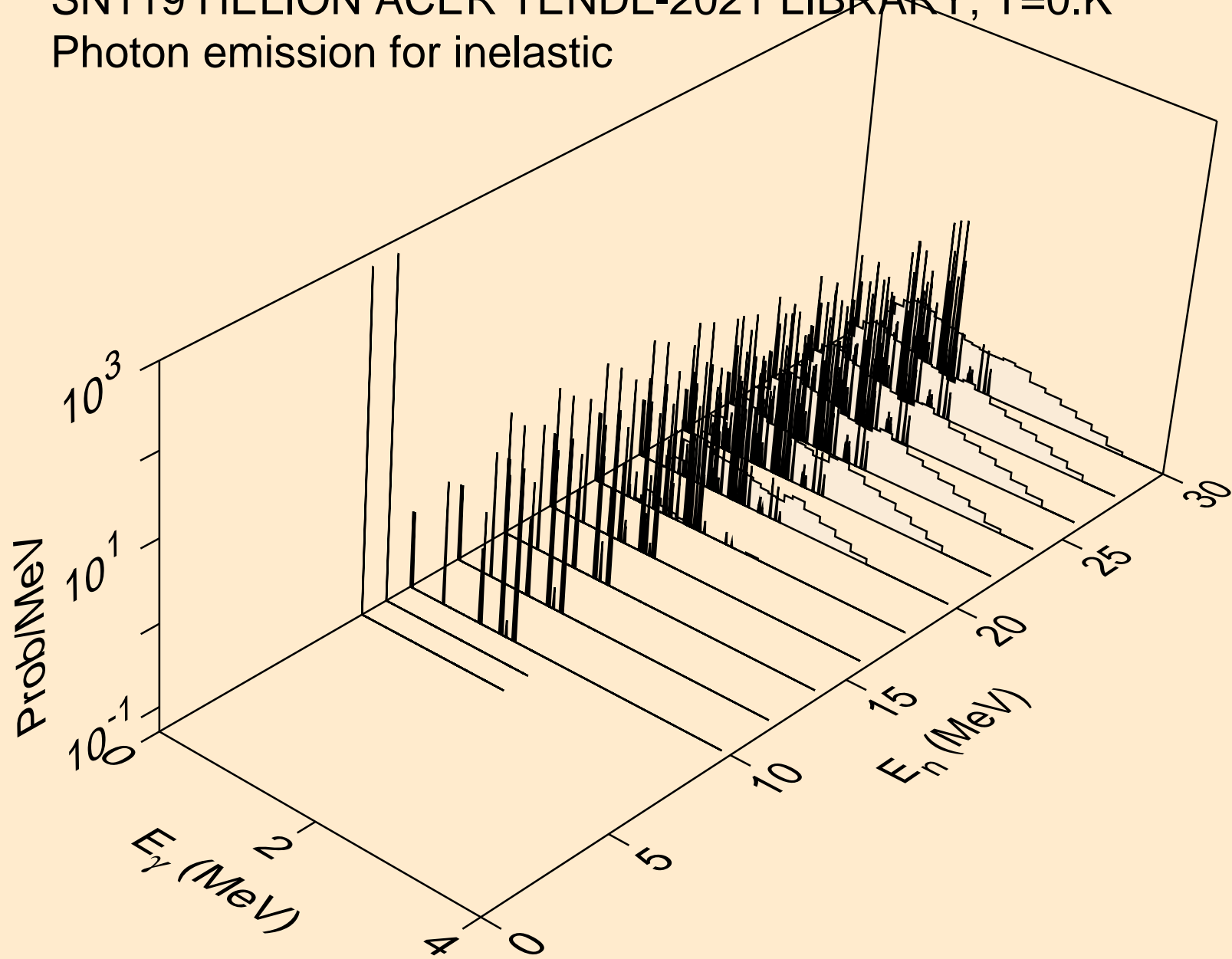
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,d)



SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,t)

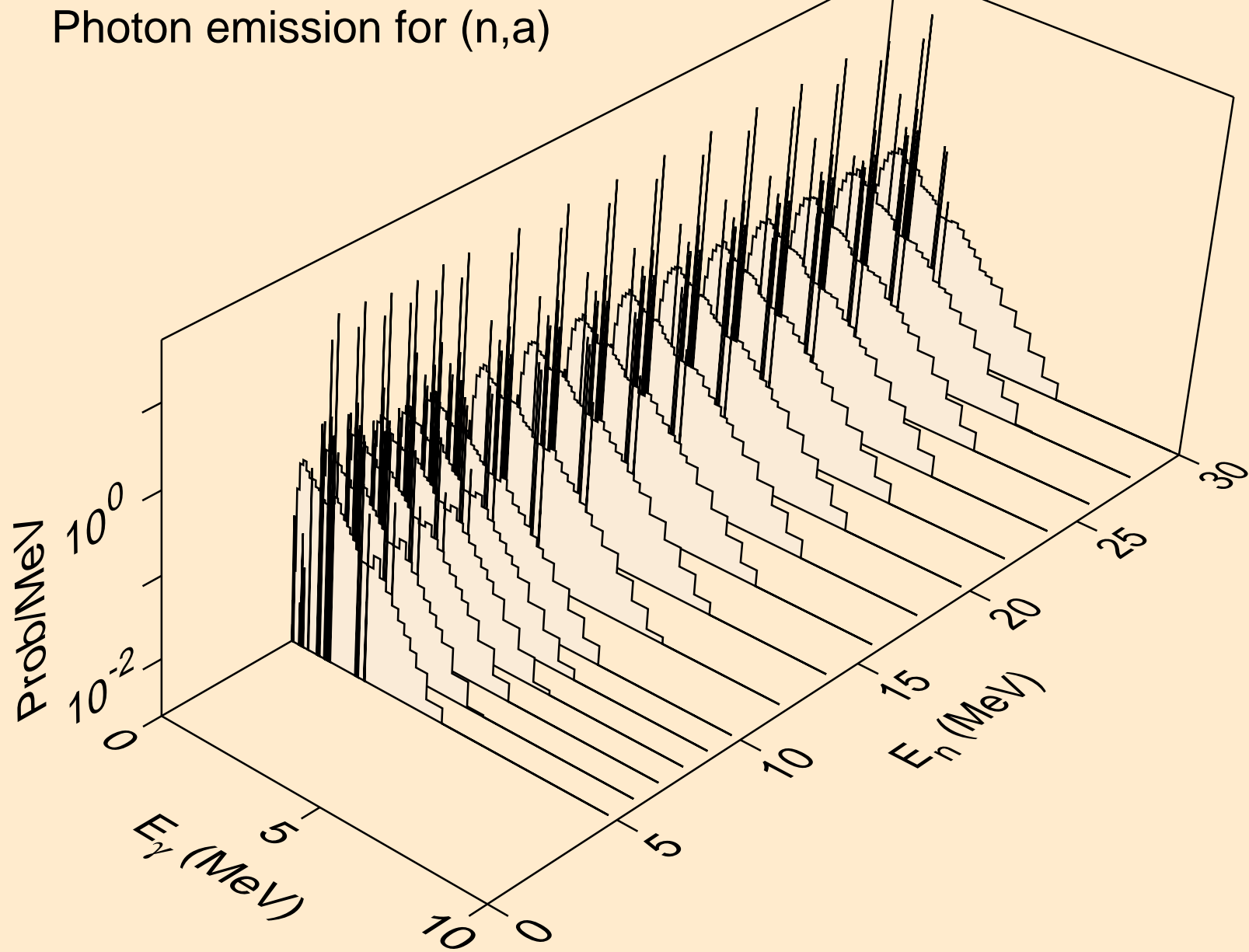


SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic

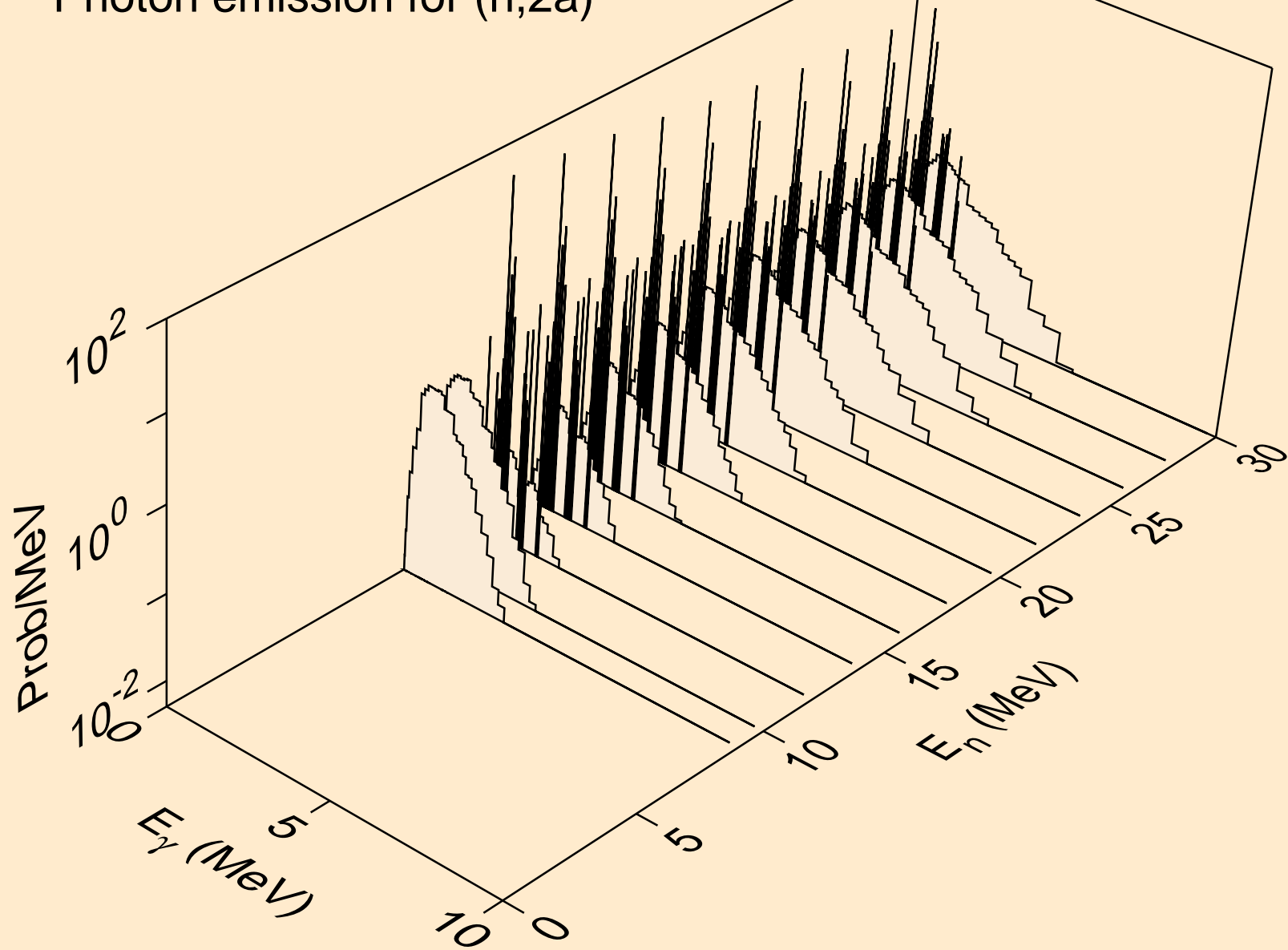




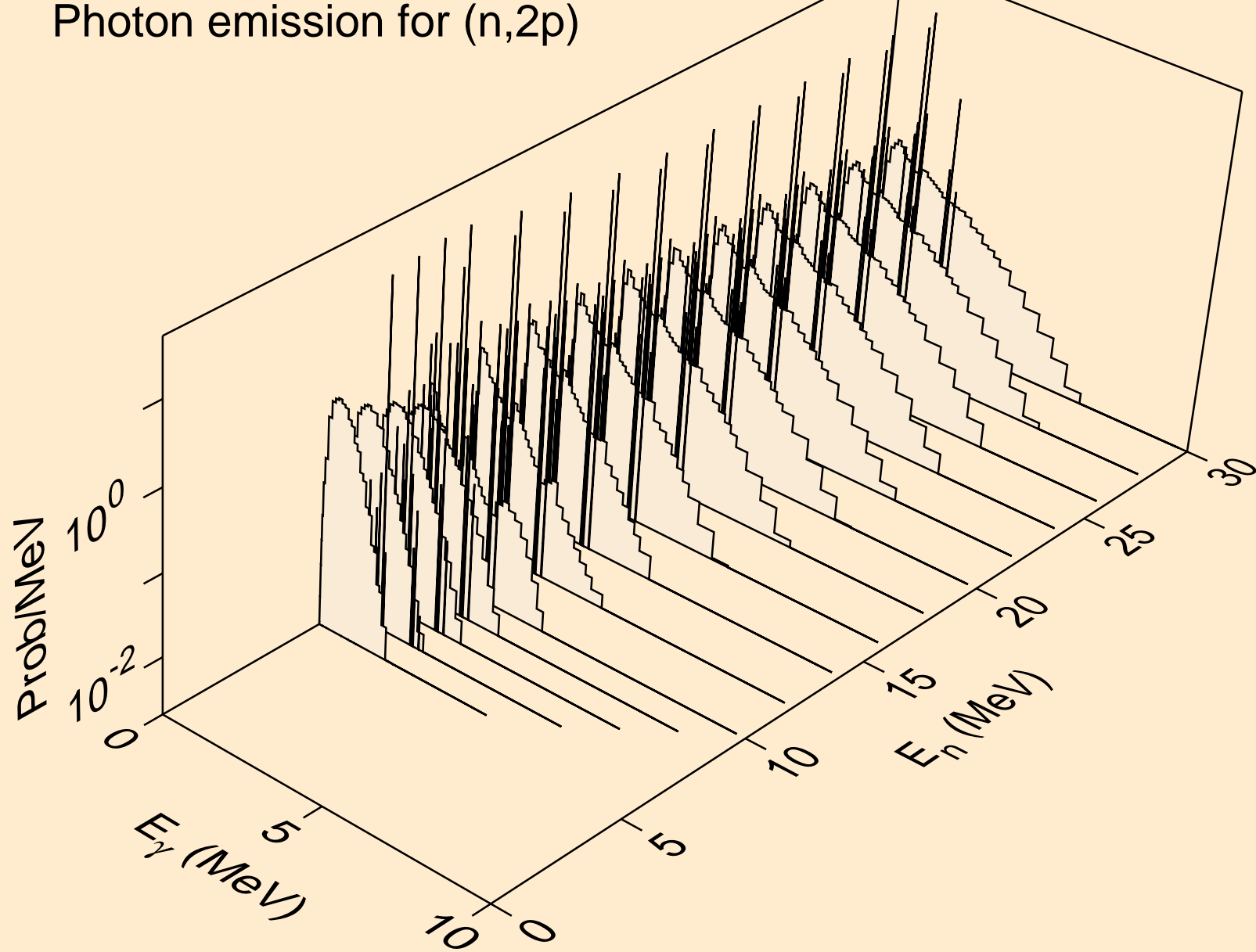
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,a)



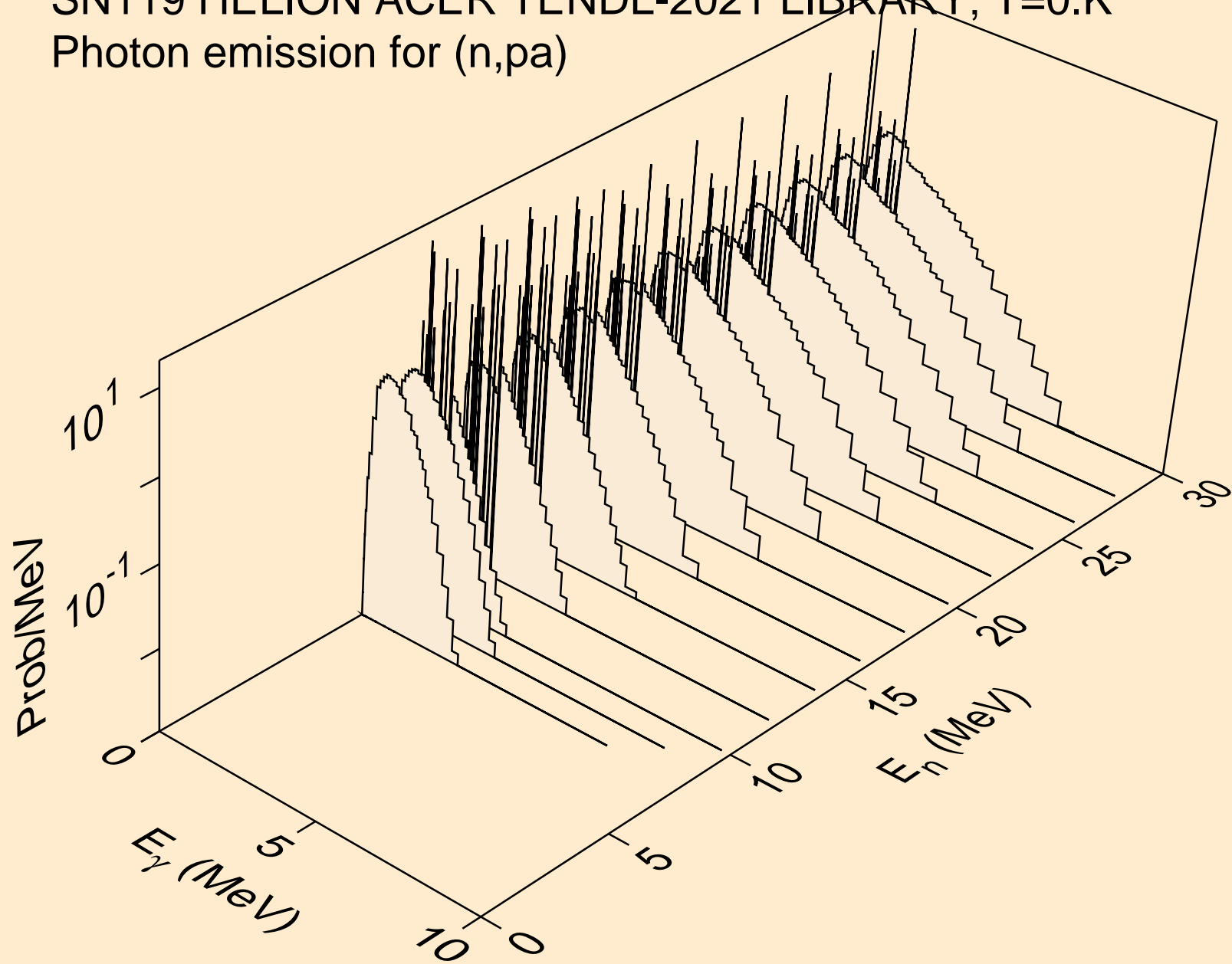
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2a)



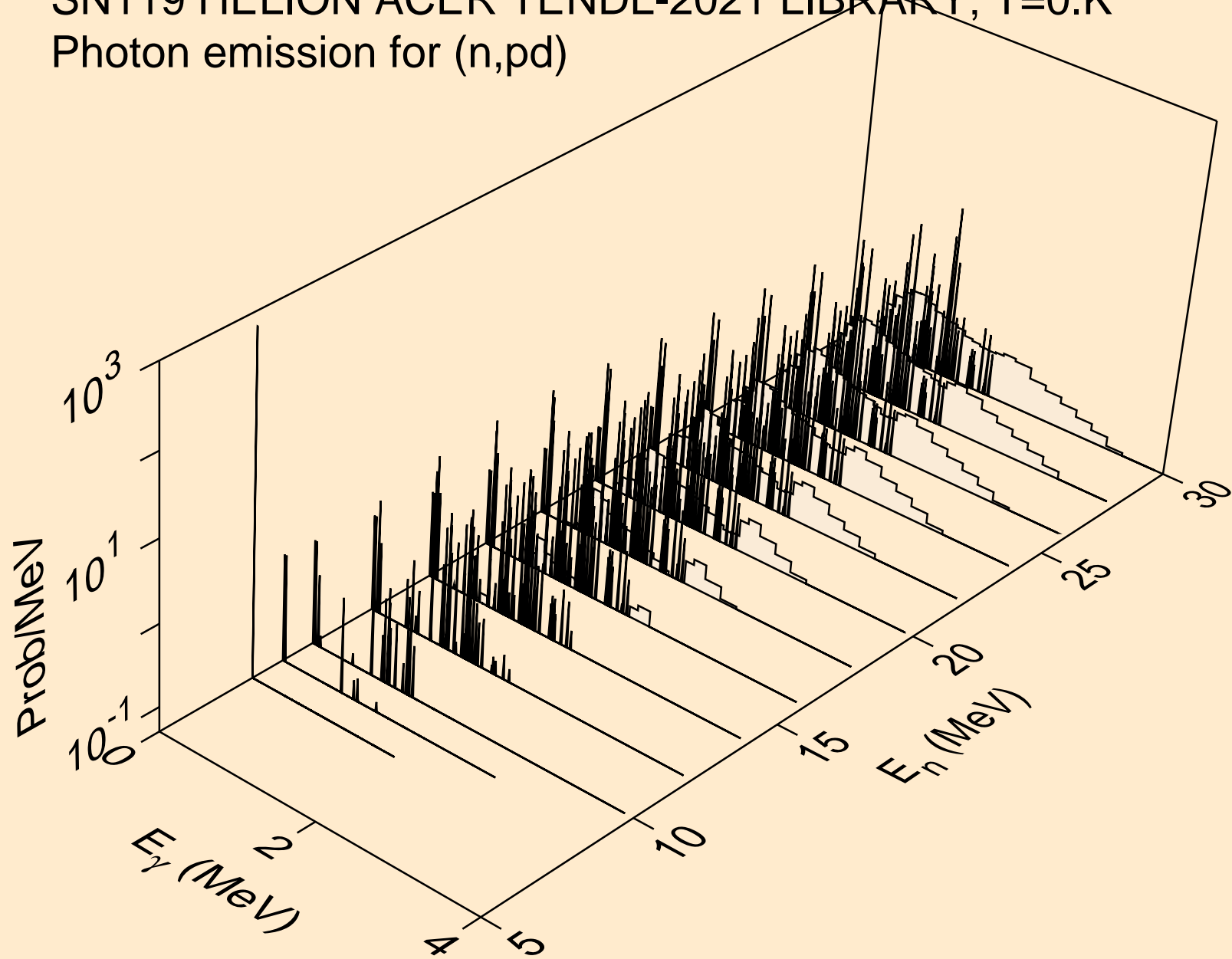
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)



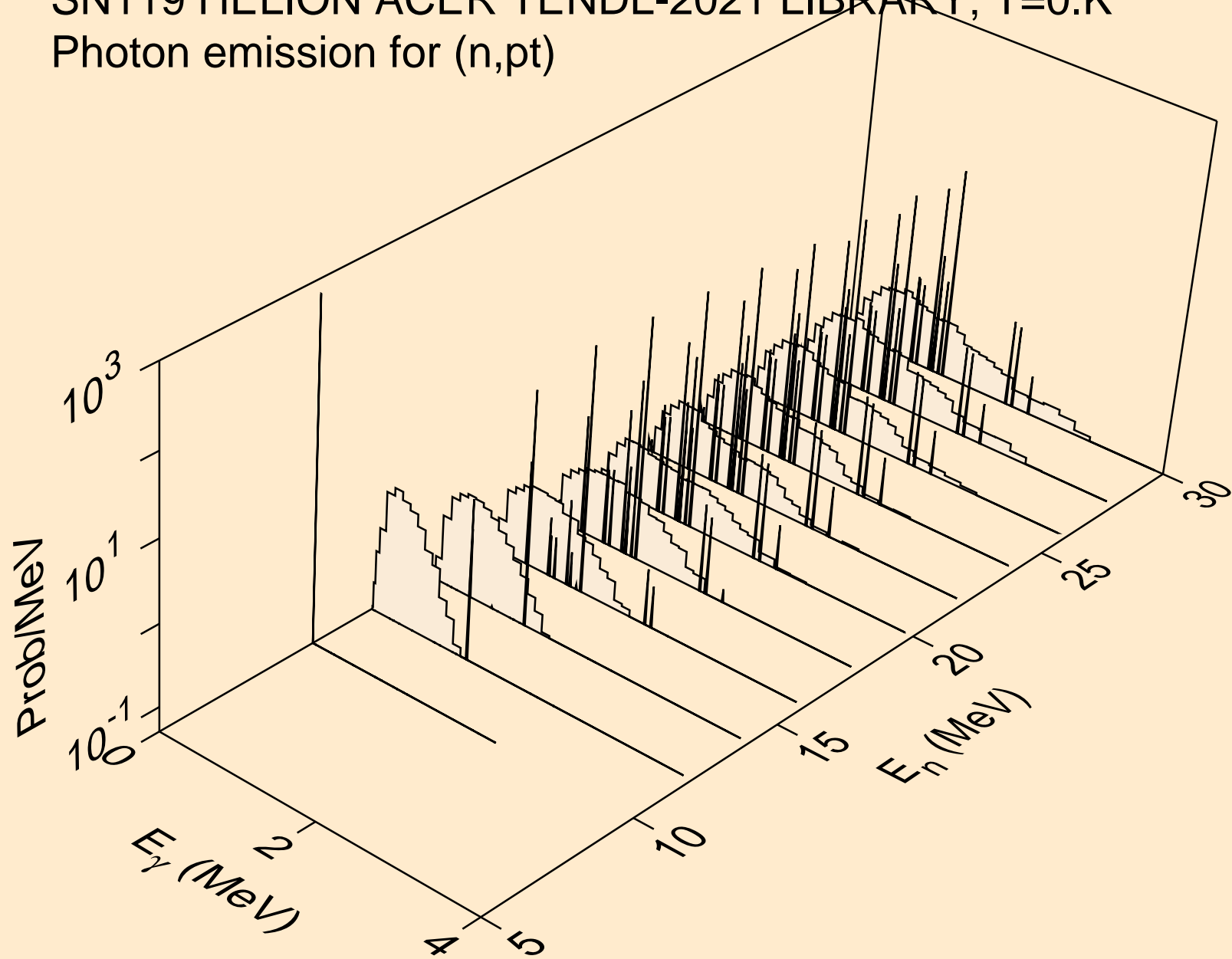
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pa)



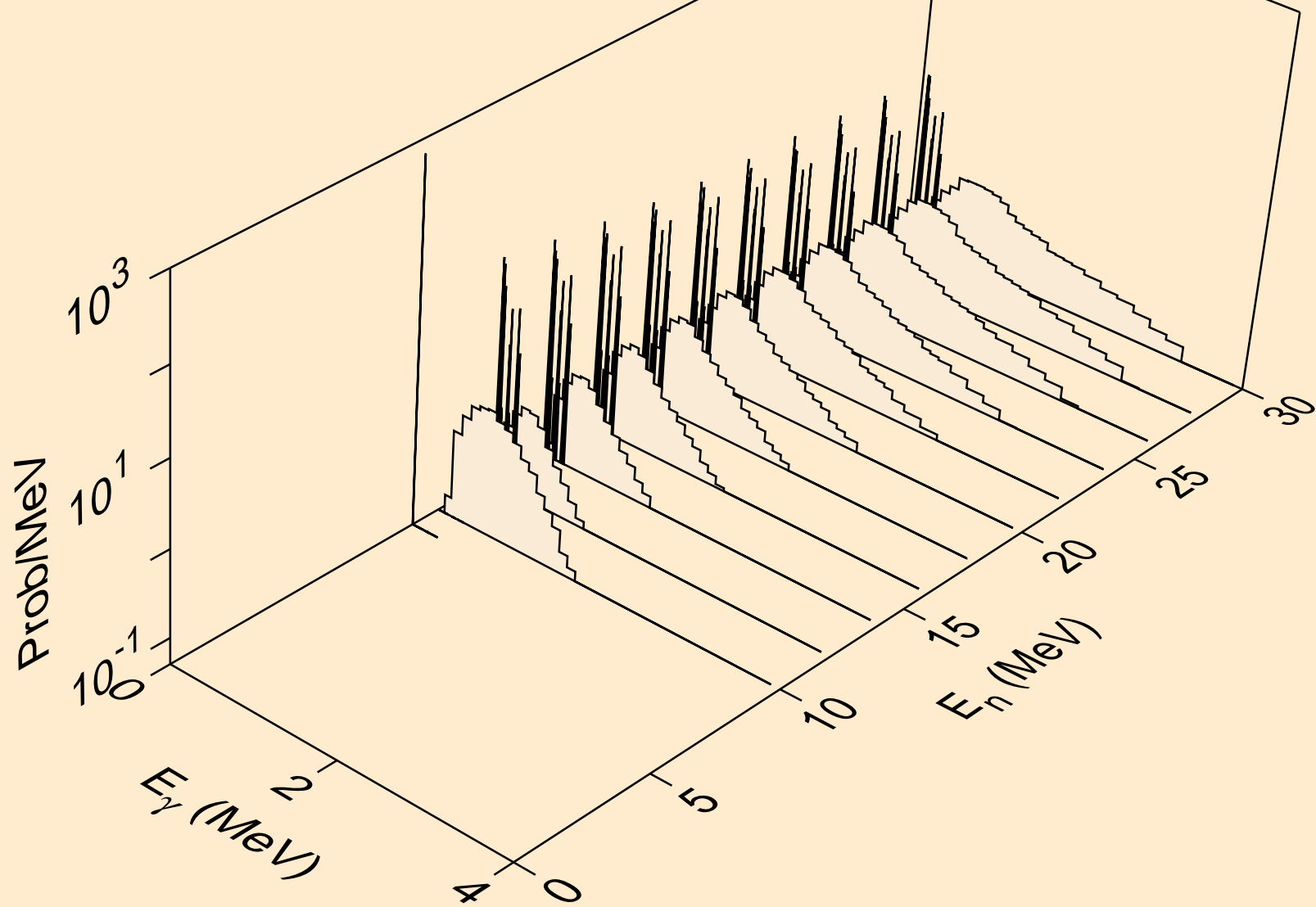
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pd)



SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pt)

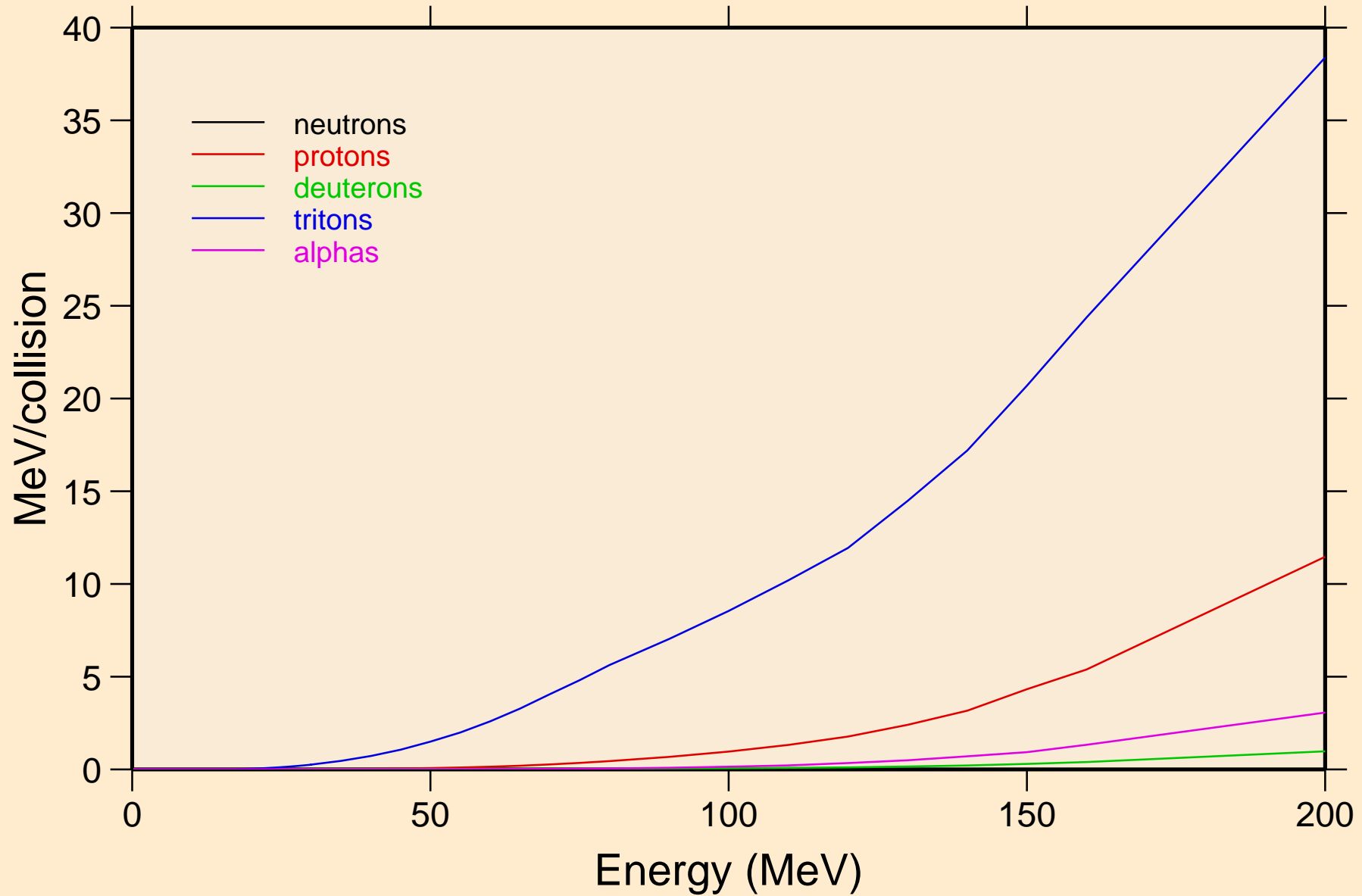


SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,da)



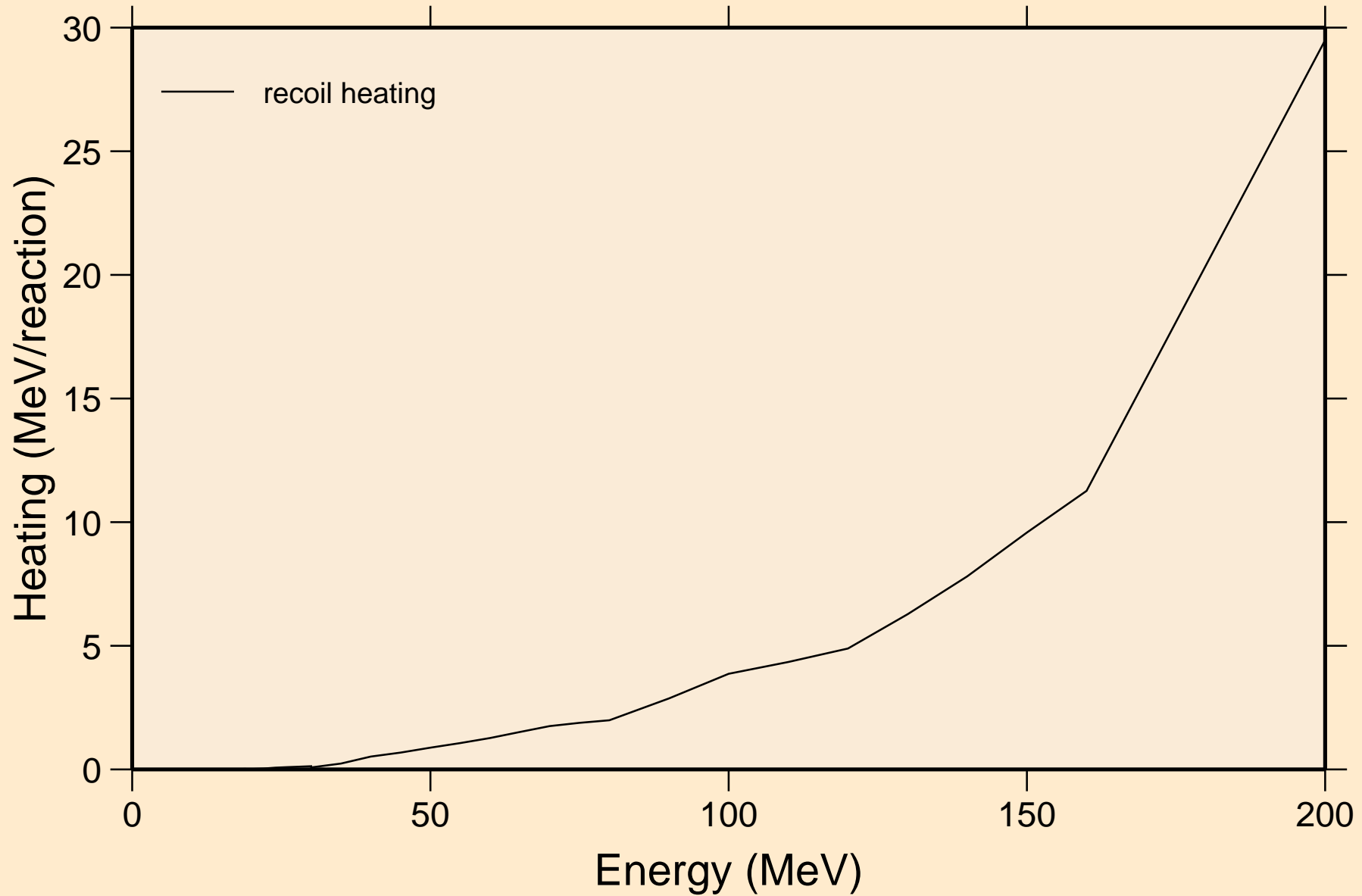
# SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Particle heating contributions



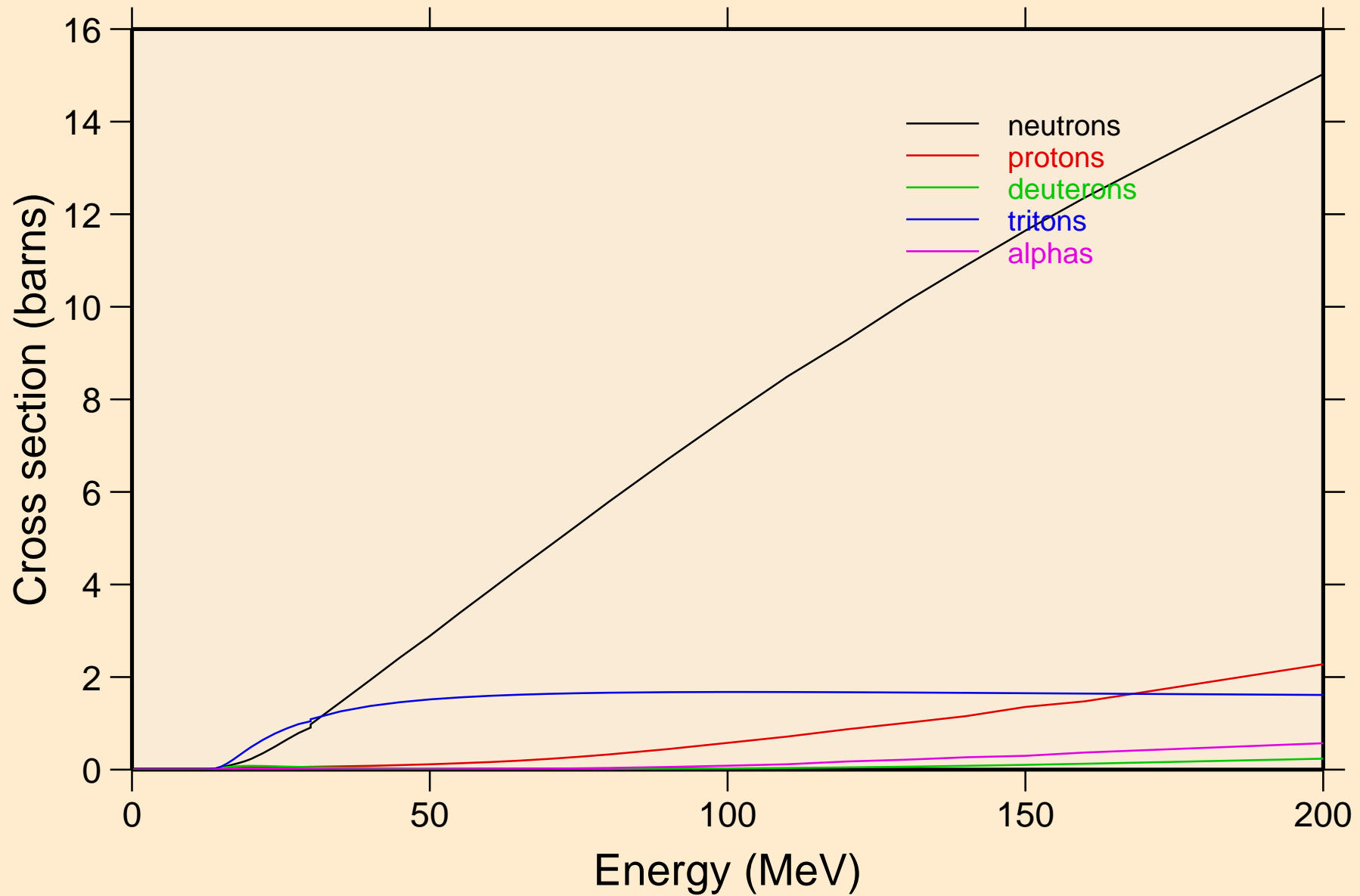


SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Recoil Heating

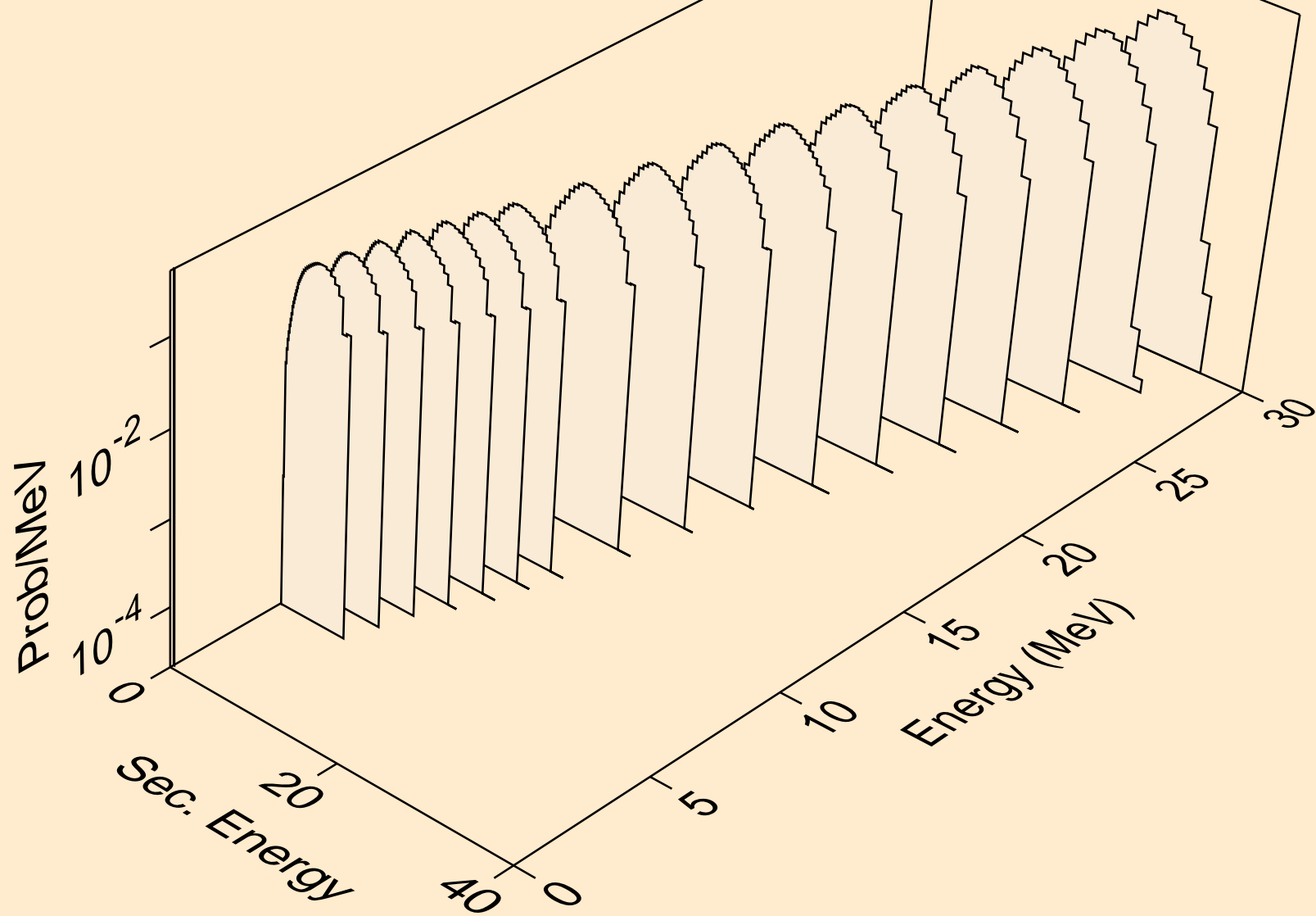


# SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K

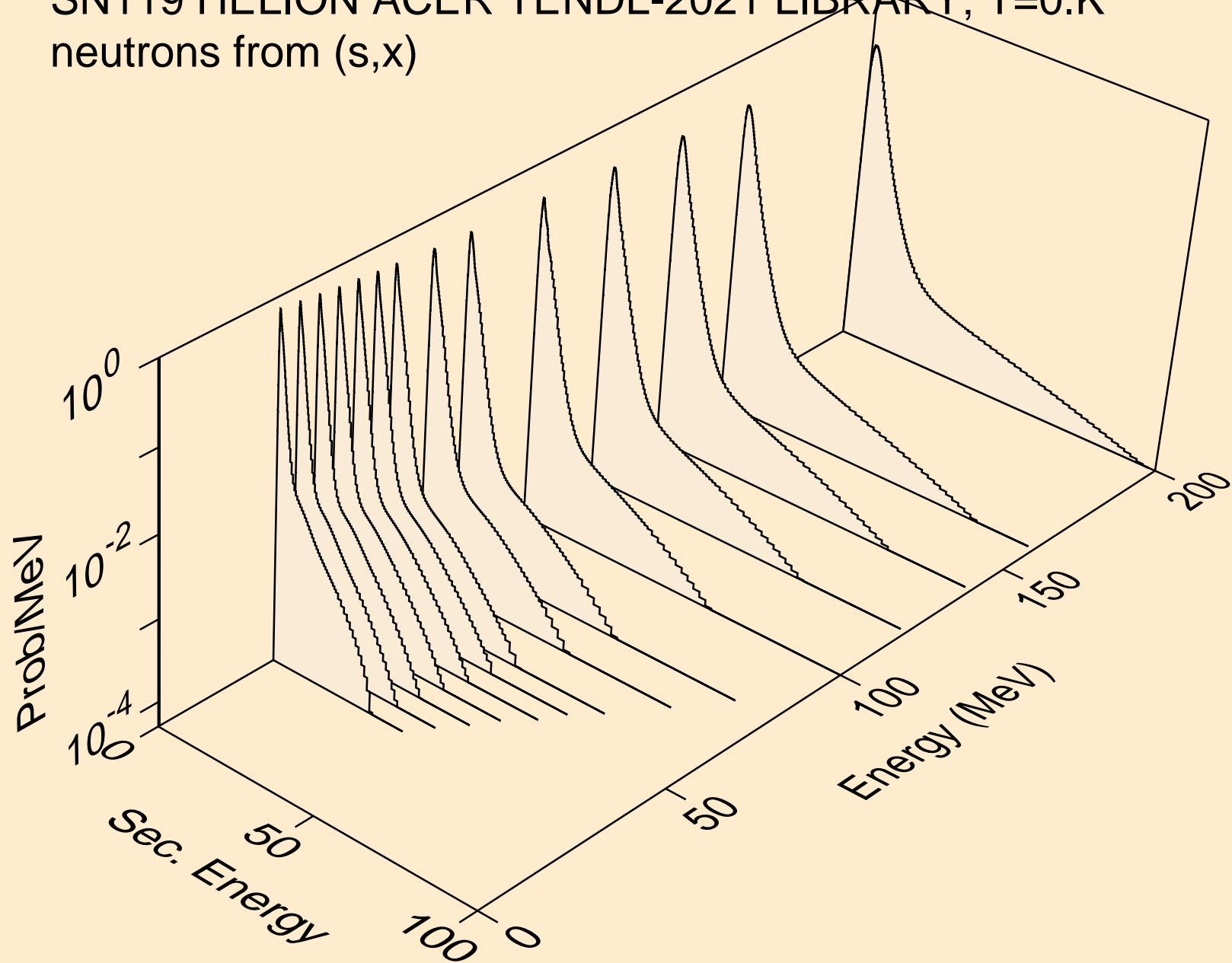
## Particle production cross sections



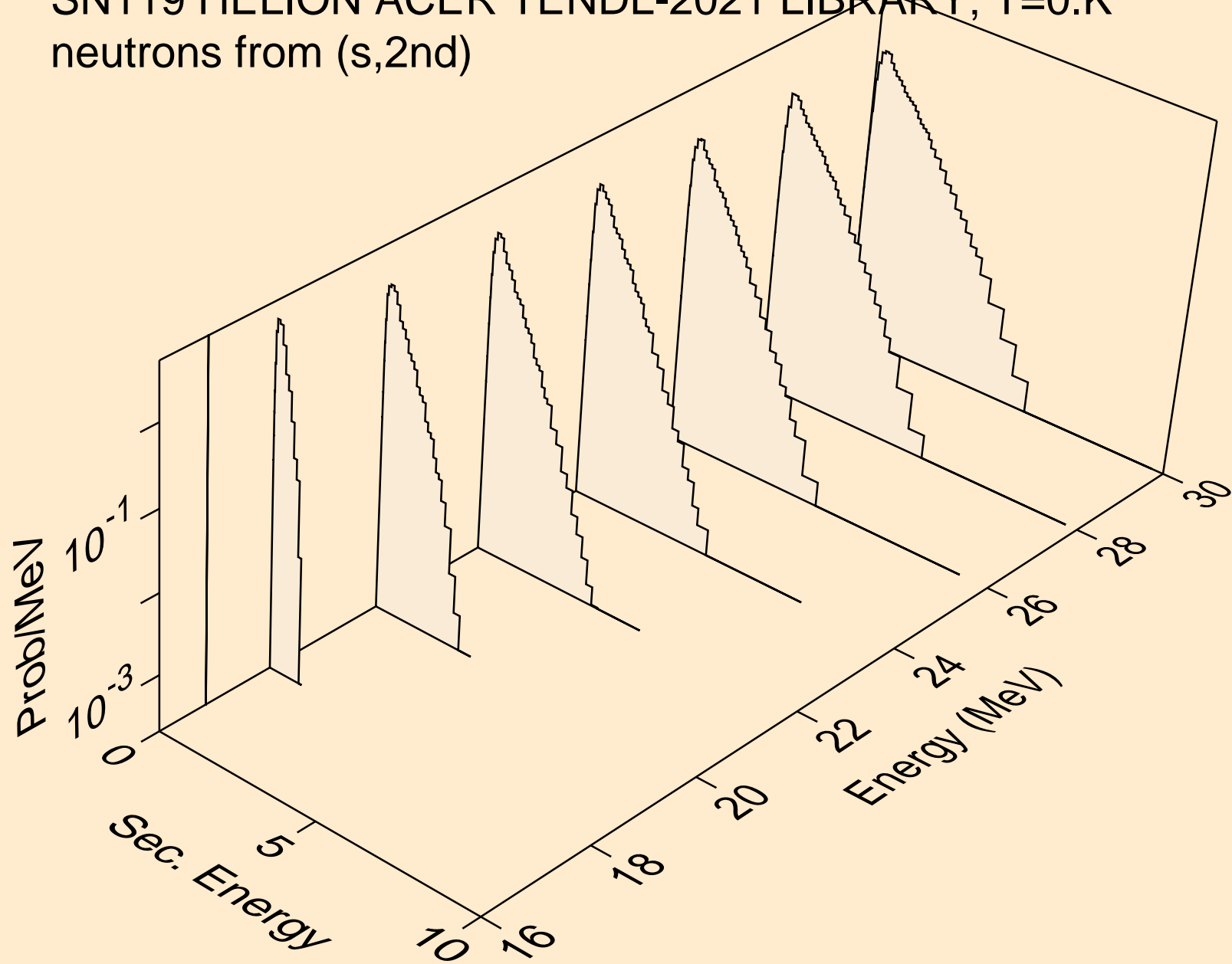
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n)



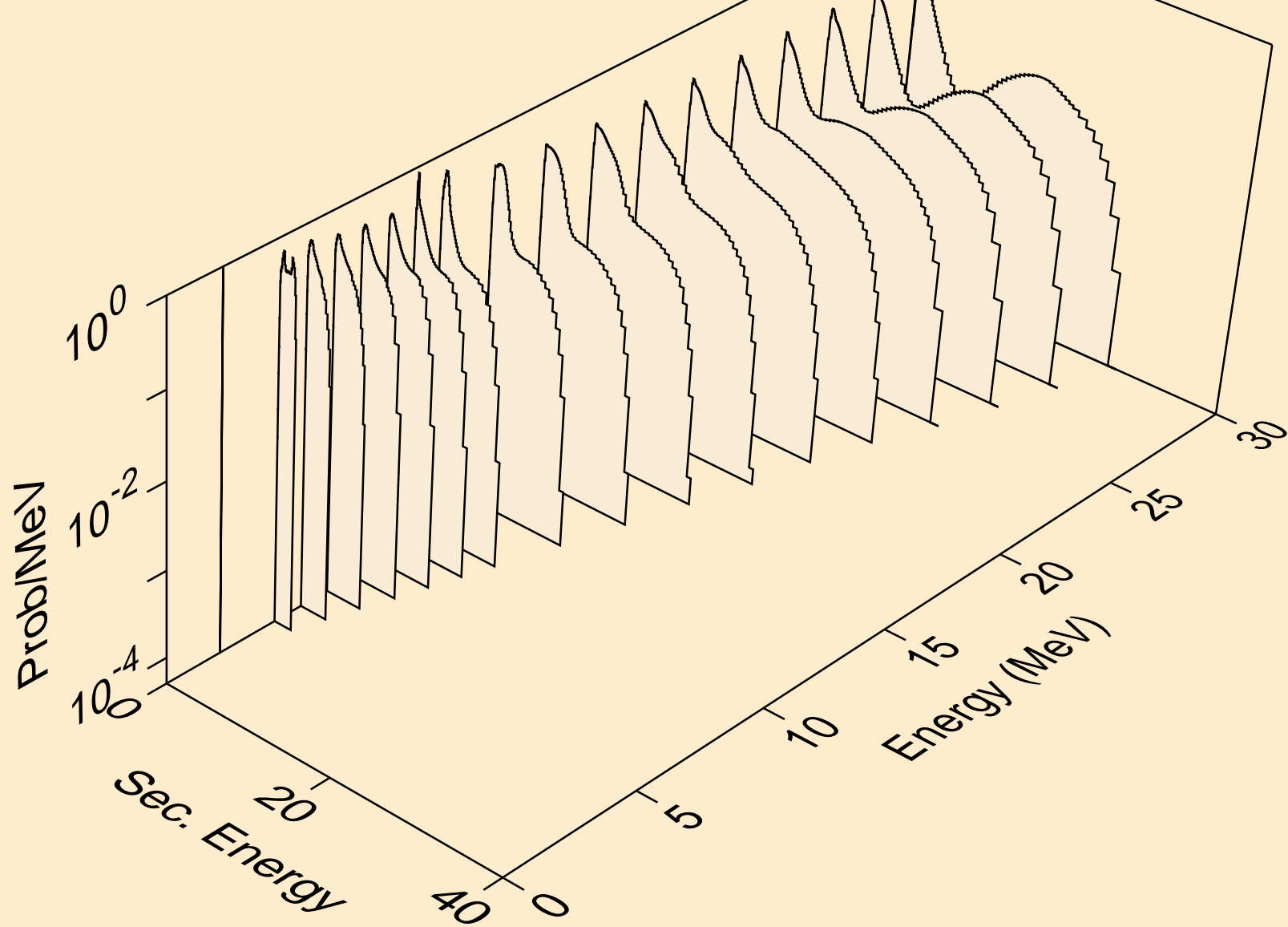
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,x)



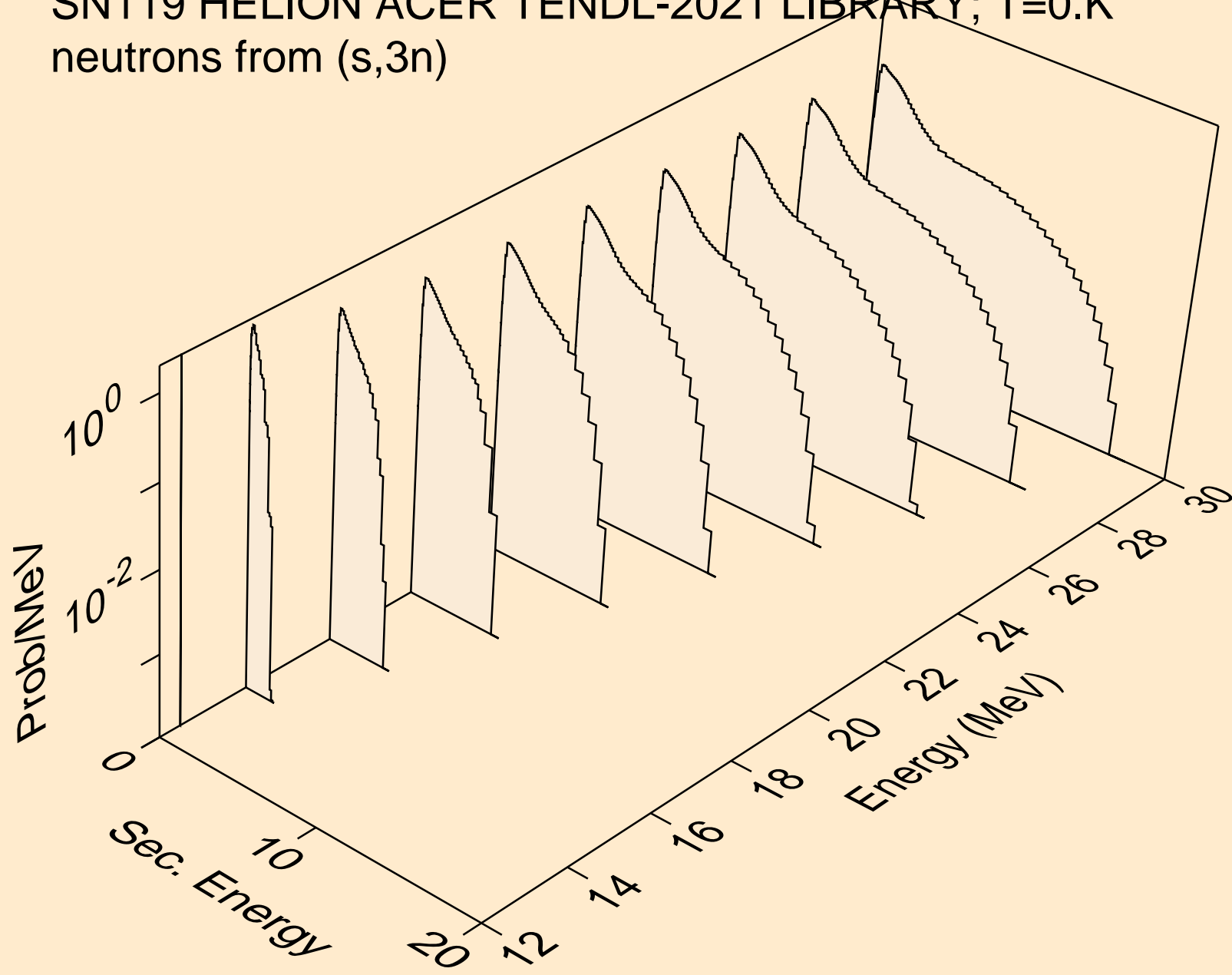
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2nd)



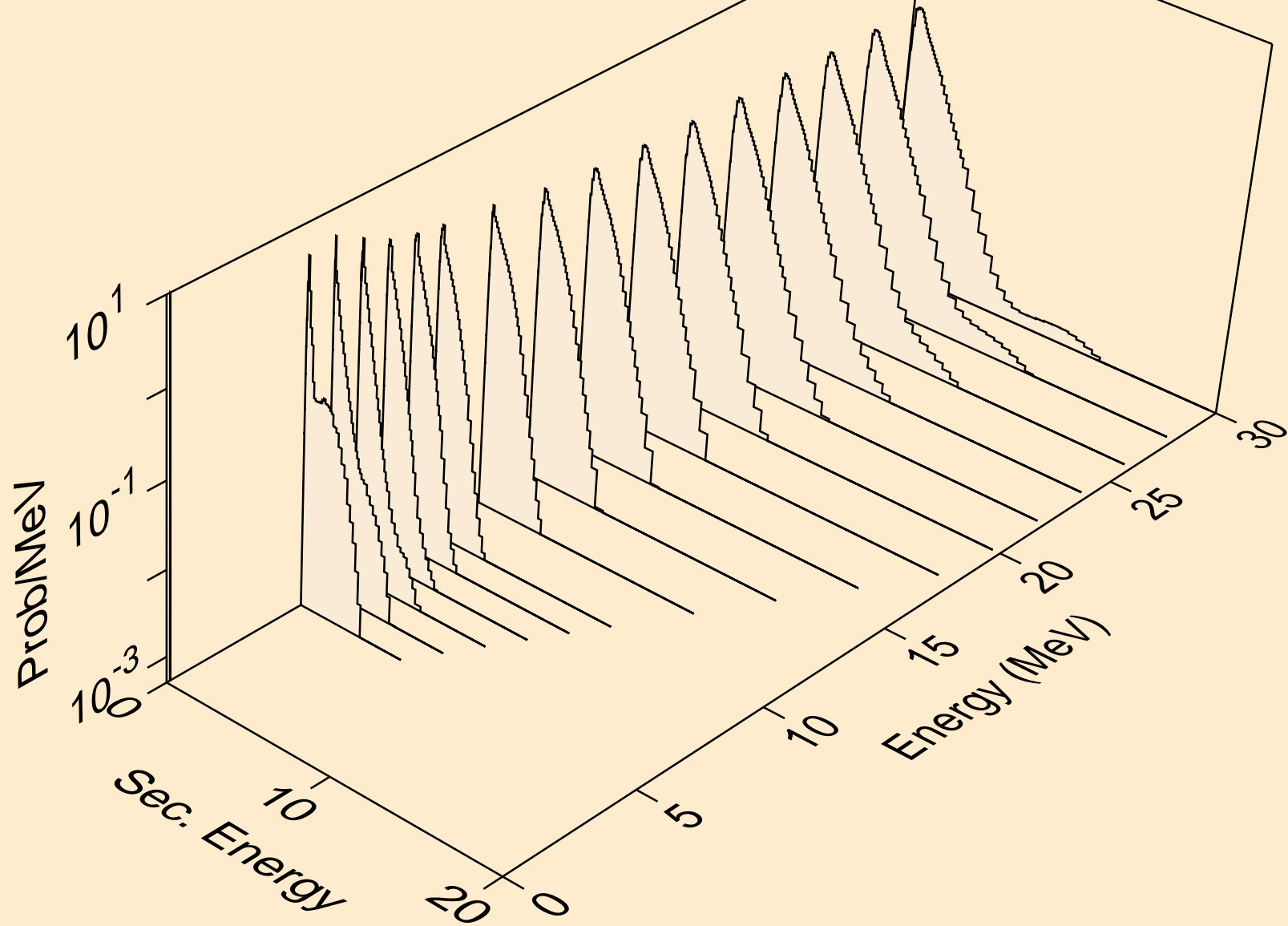
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2n)



SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,3n)

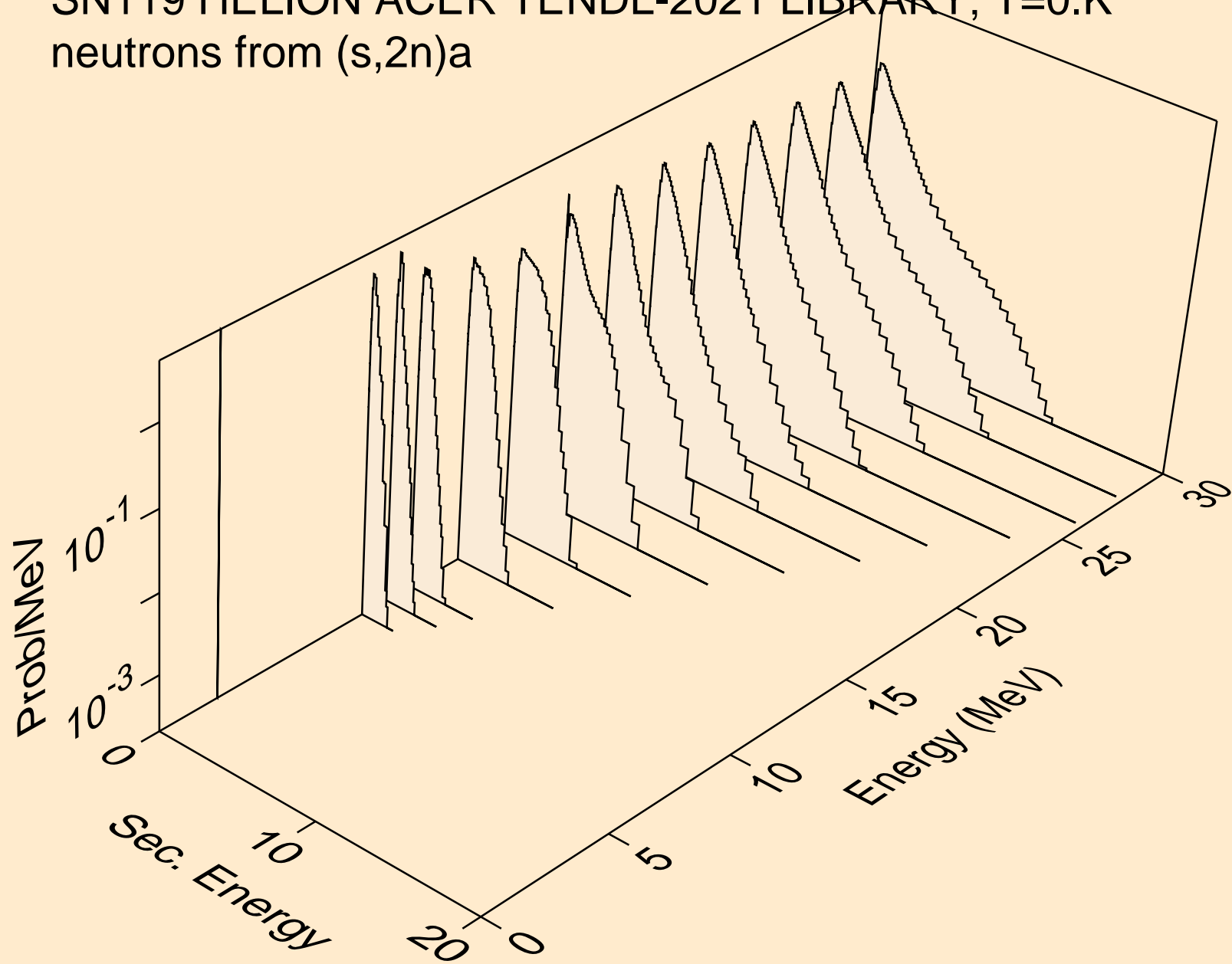


SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)a

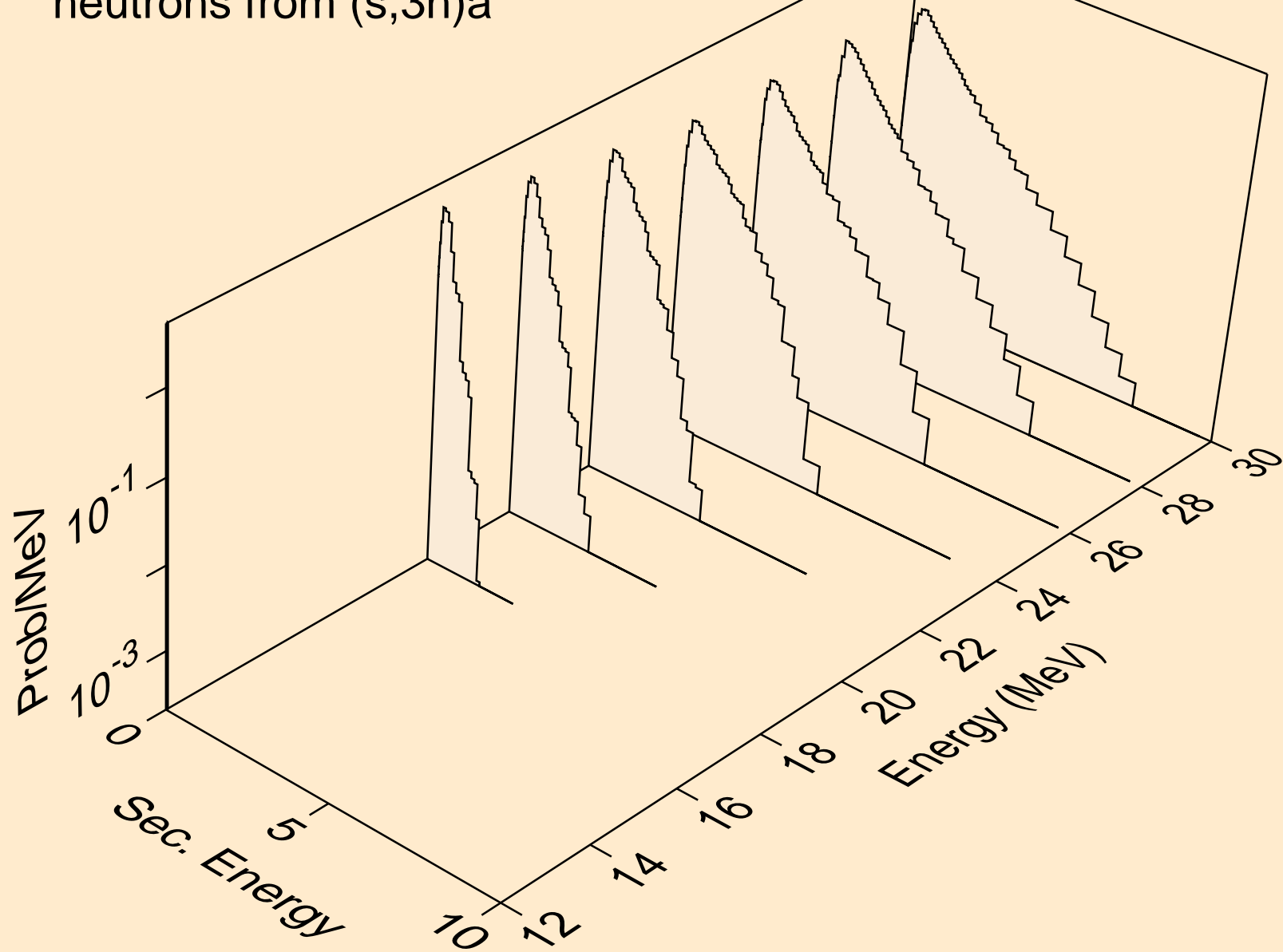




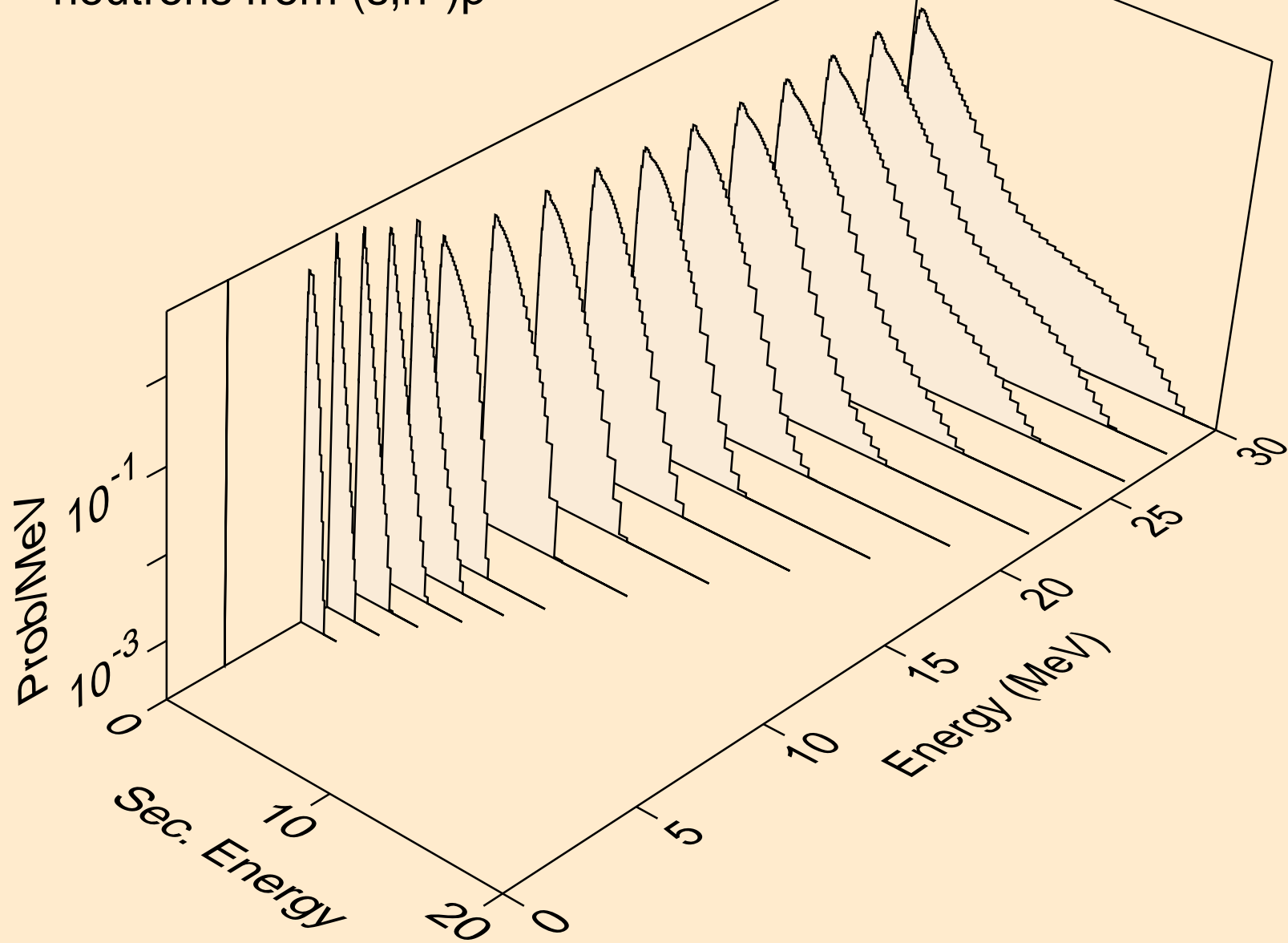
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2n)a



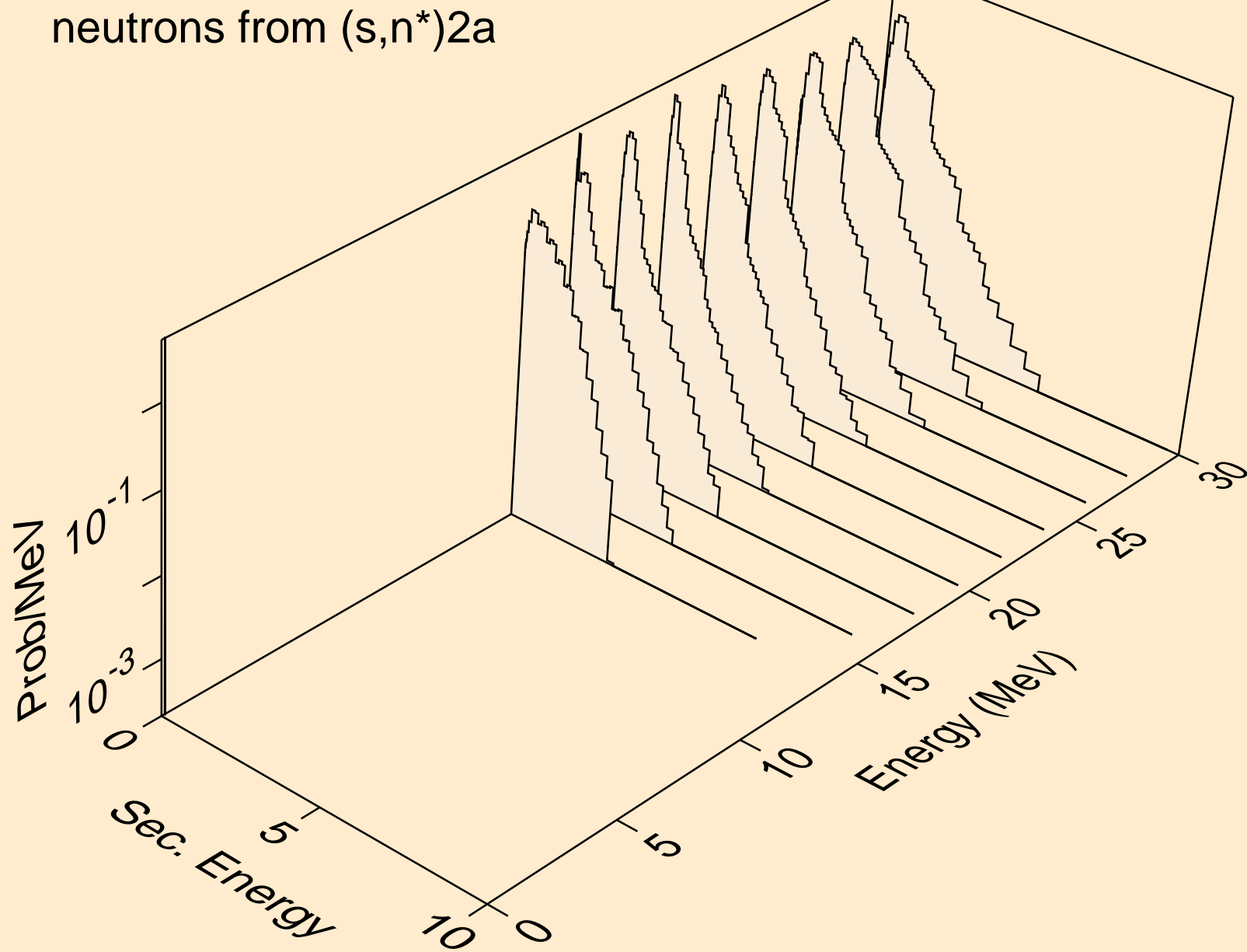
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neutrons from (s,3n)a



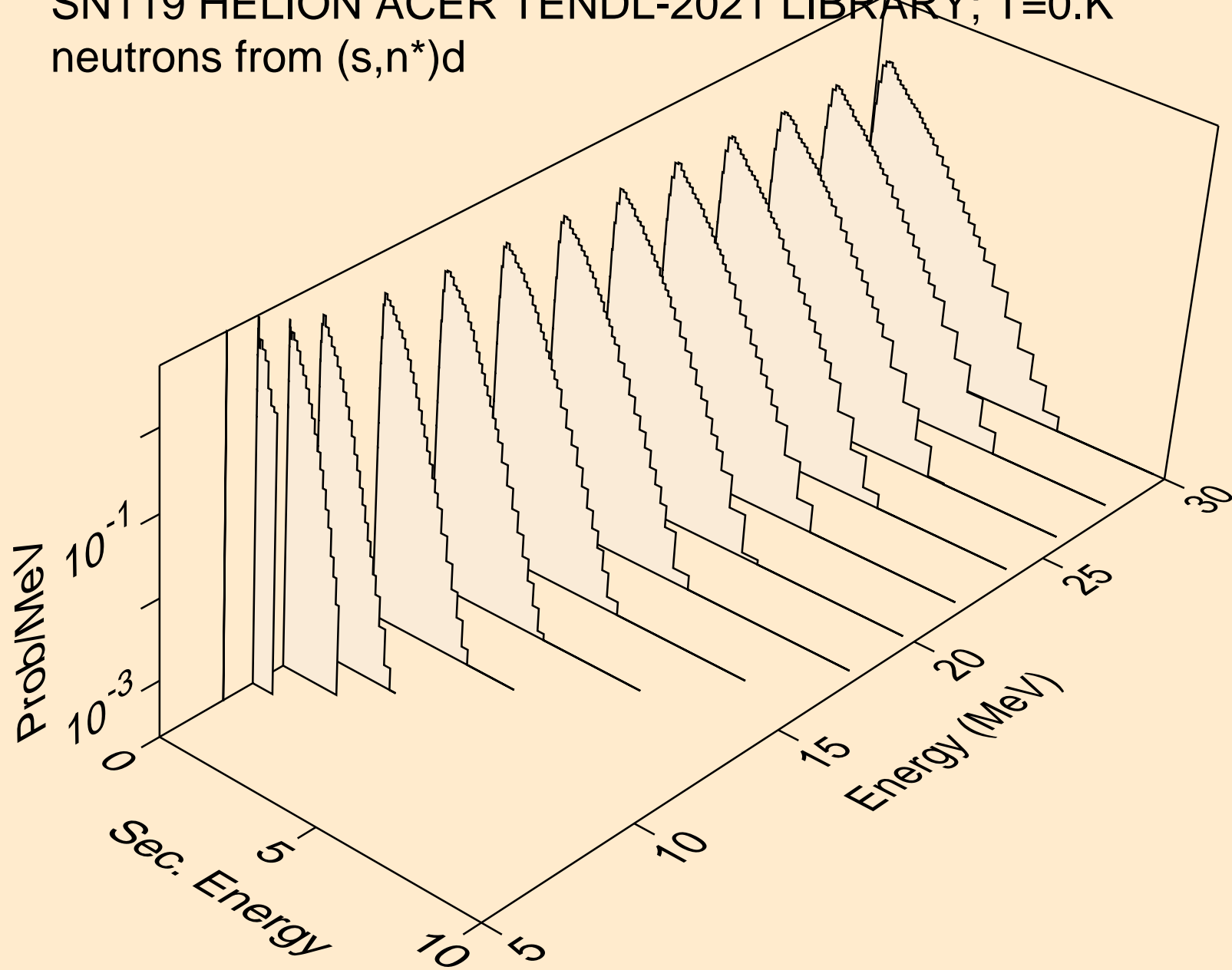
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)p



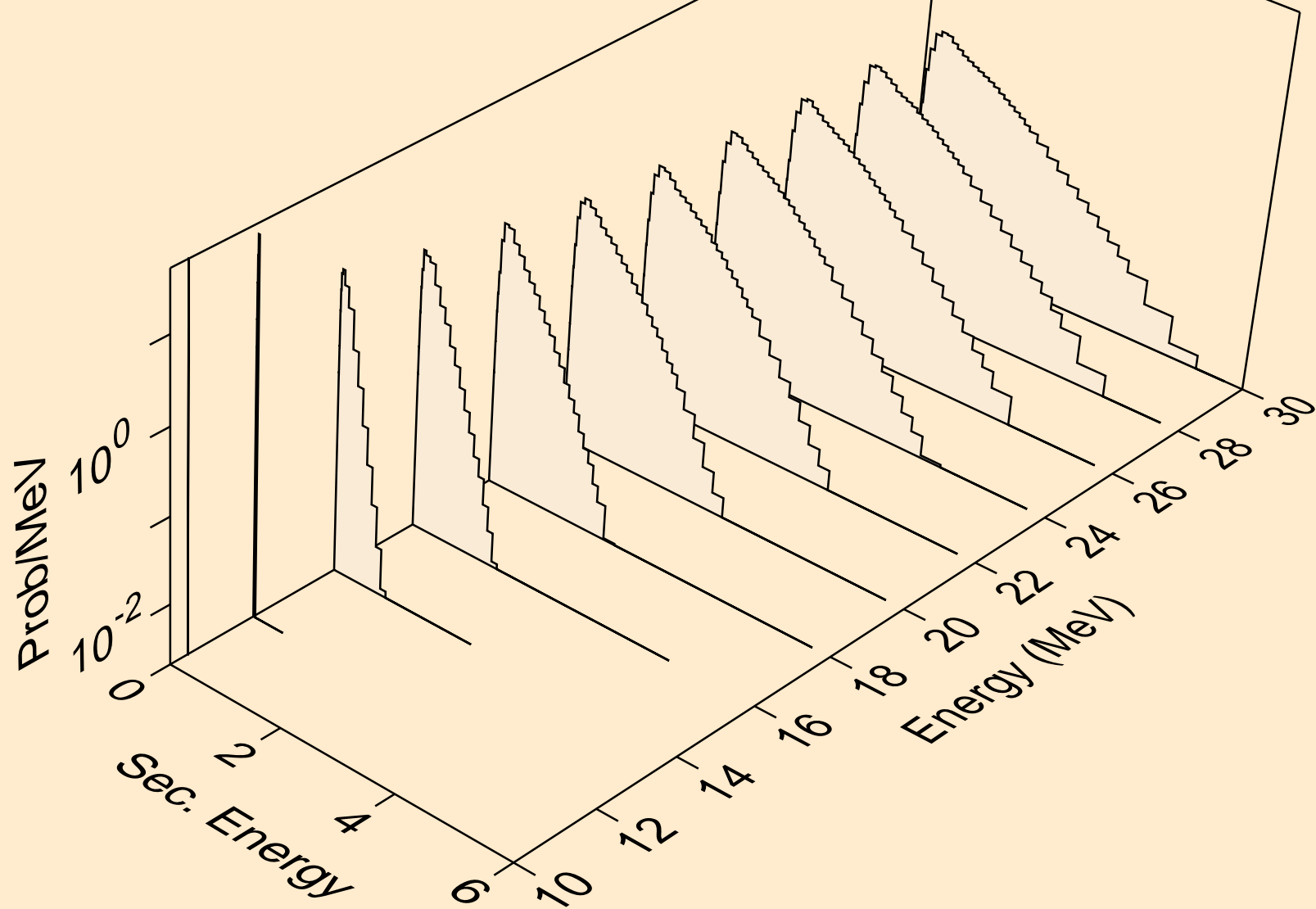
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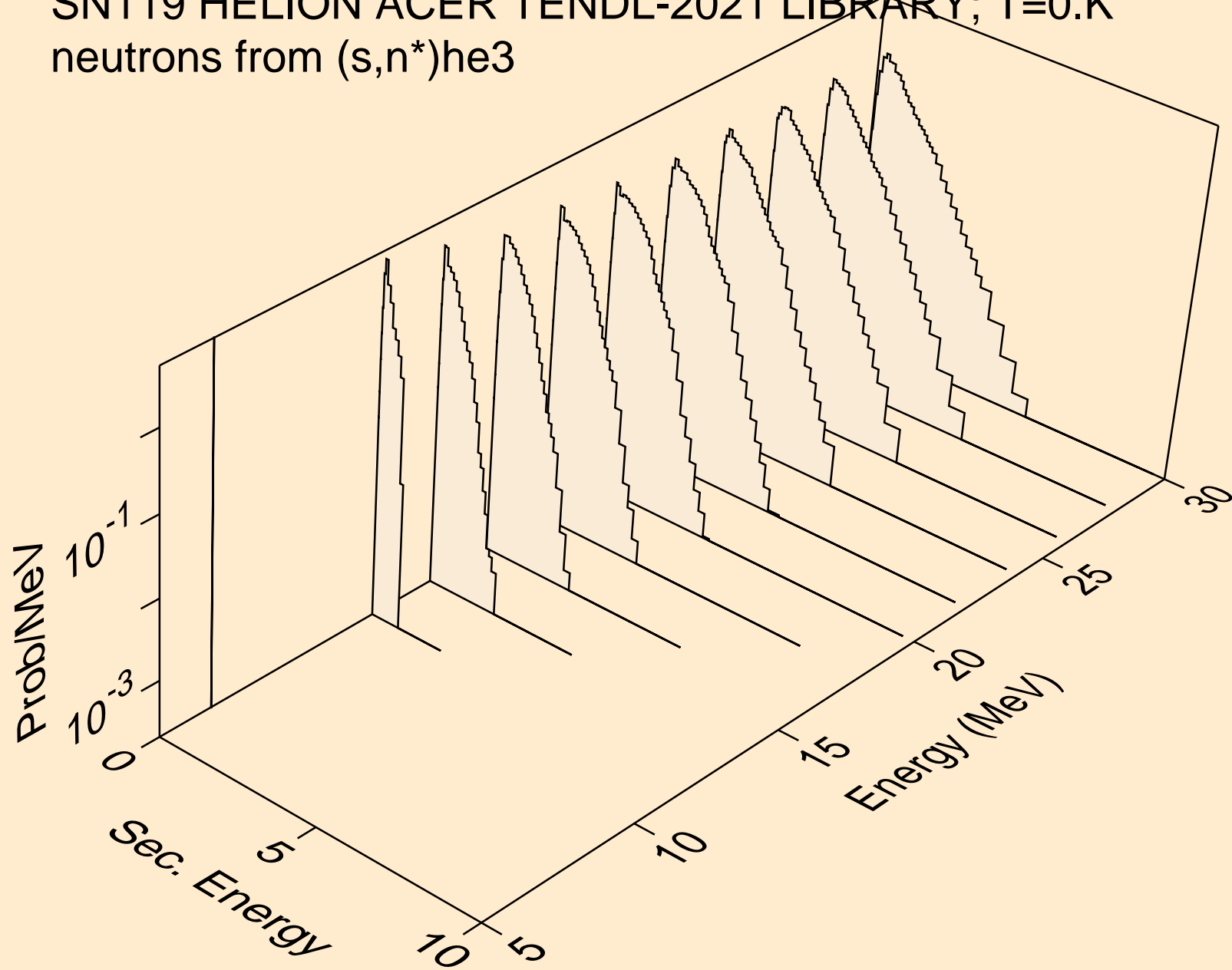
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
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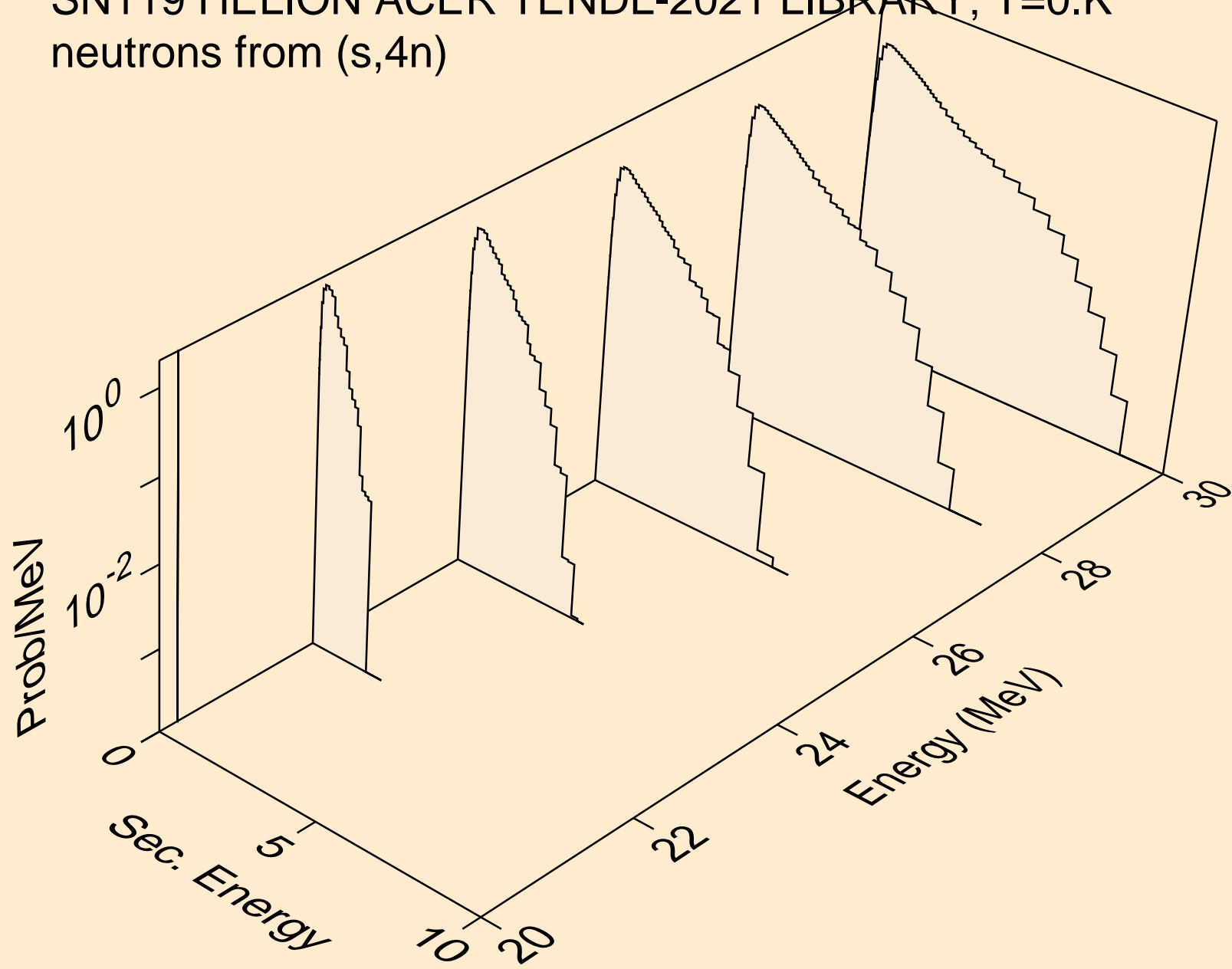
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
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SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)he3

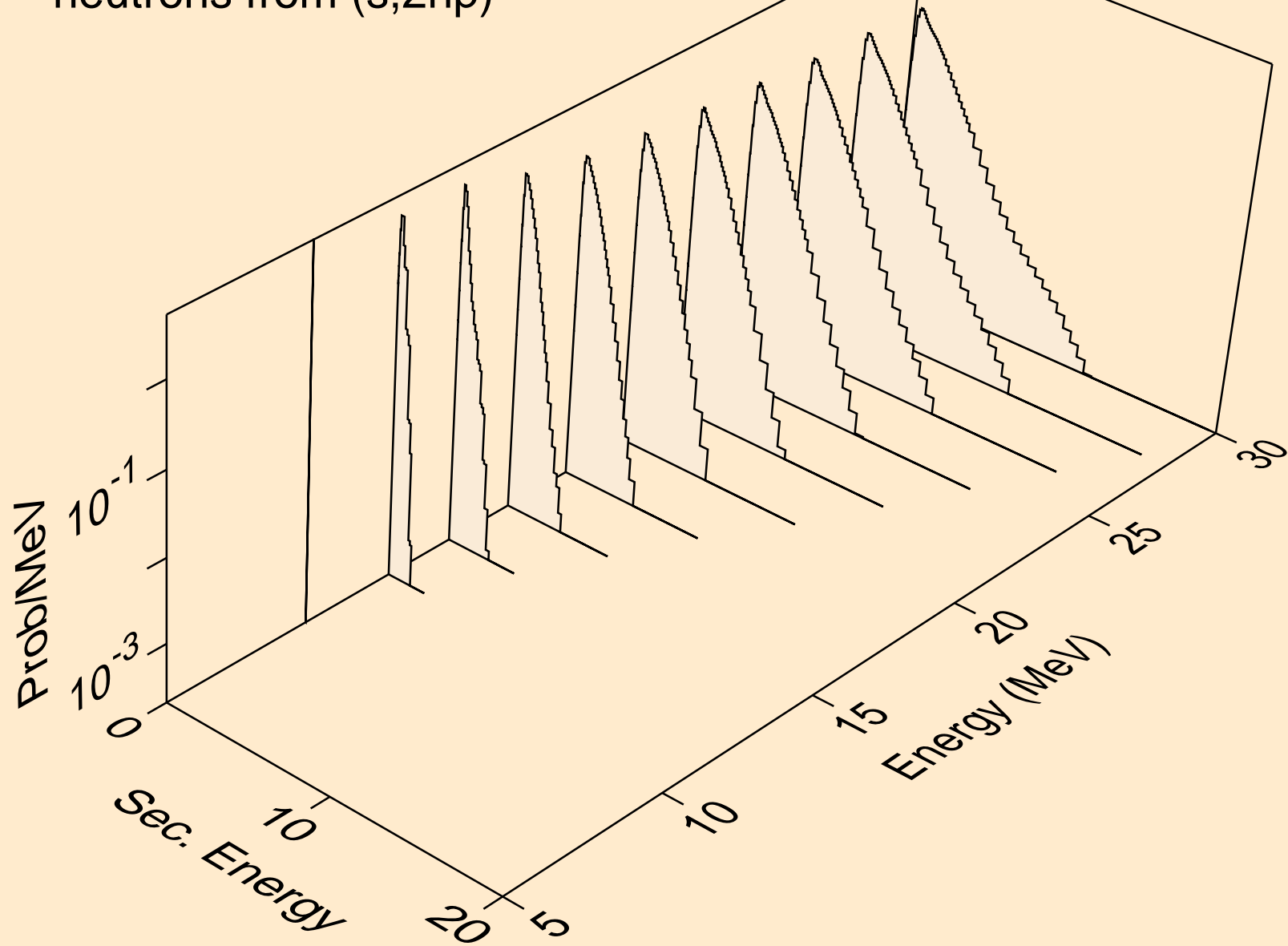


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neutrons from (s,4n)

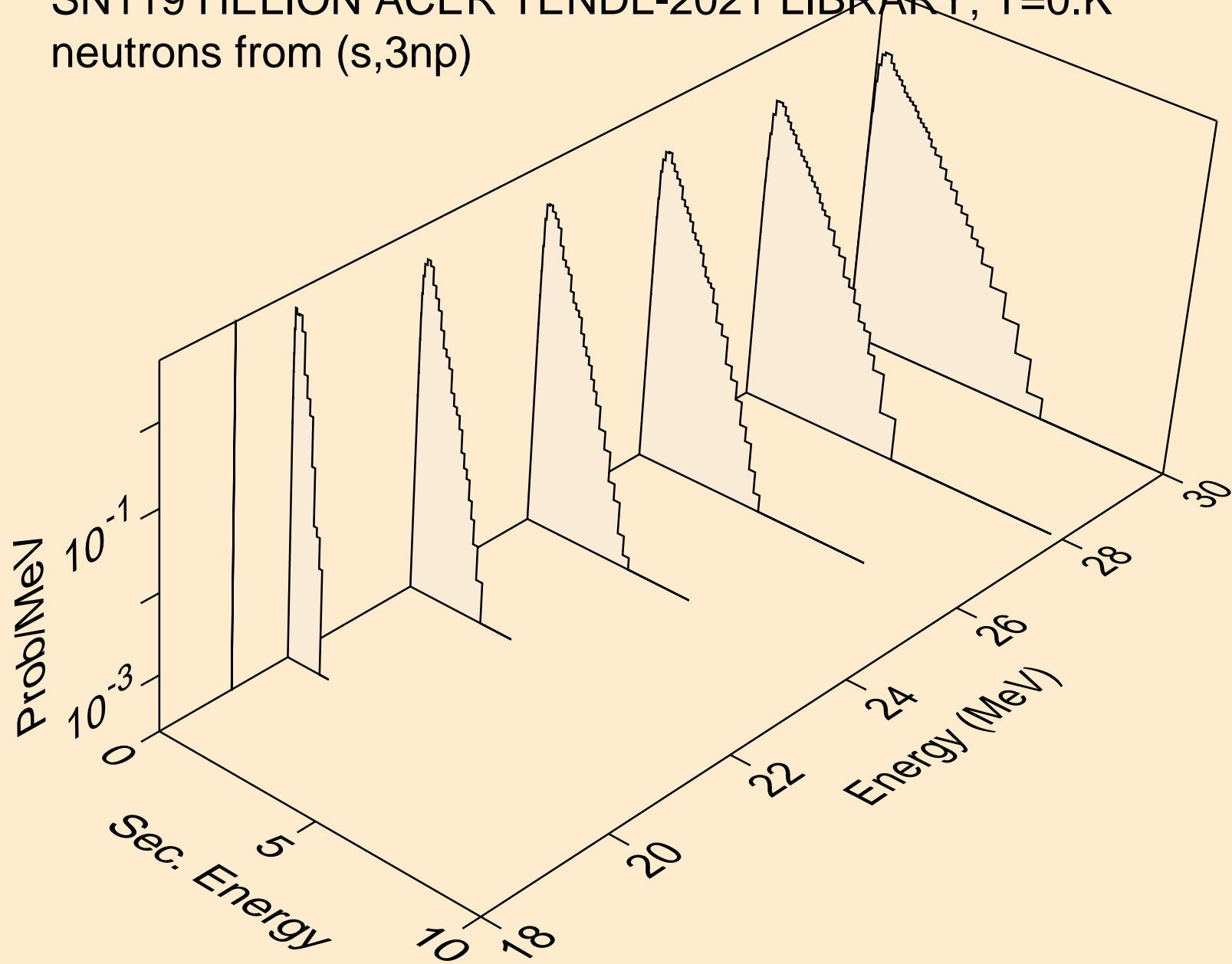




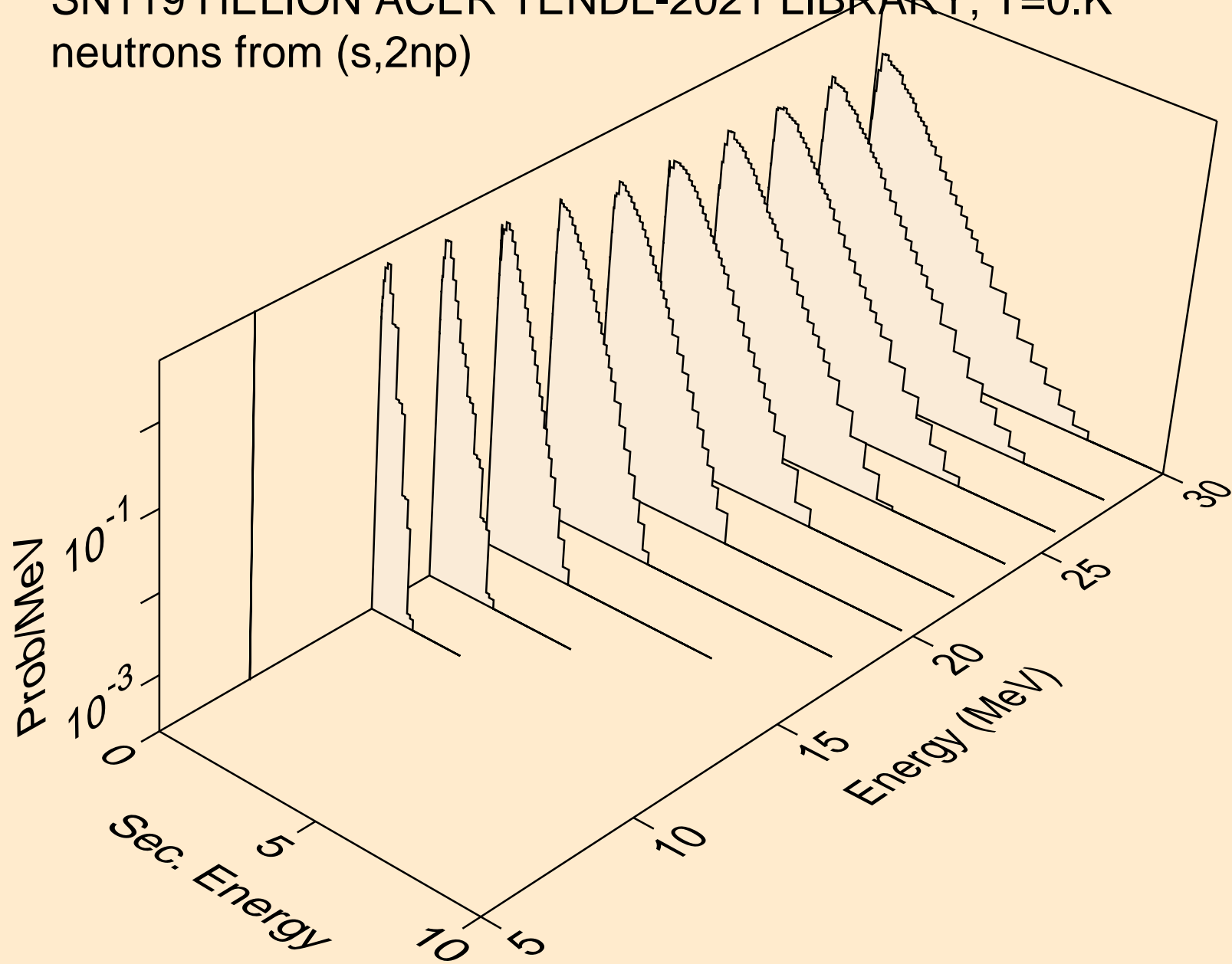
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neutrons from (s,2np)



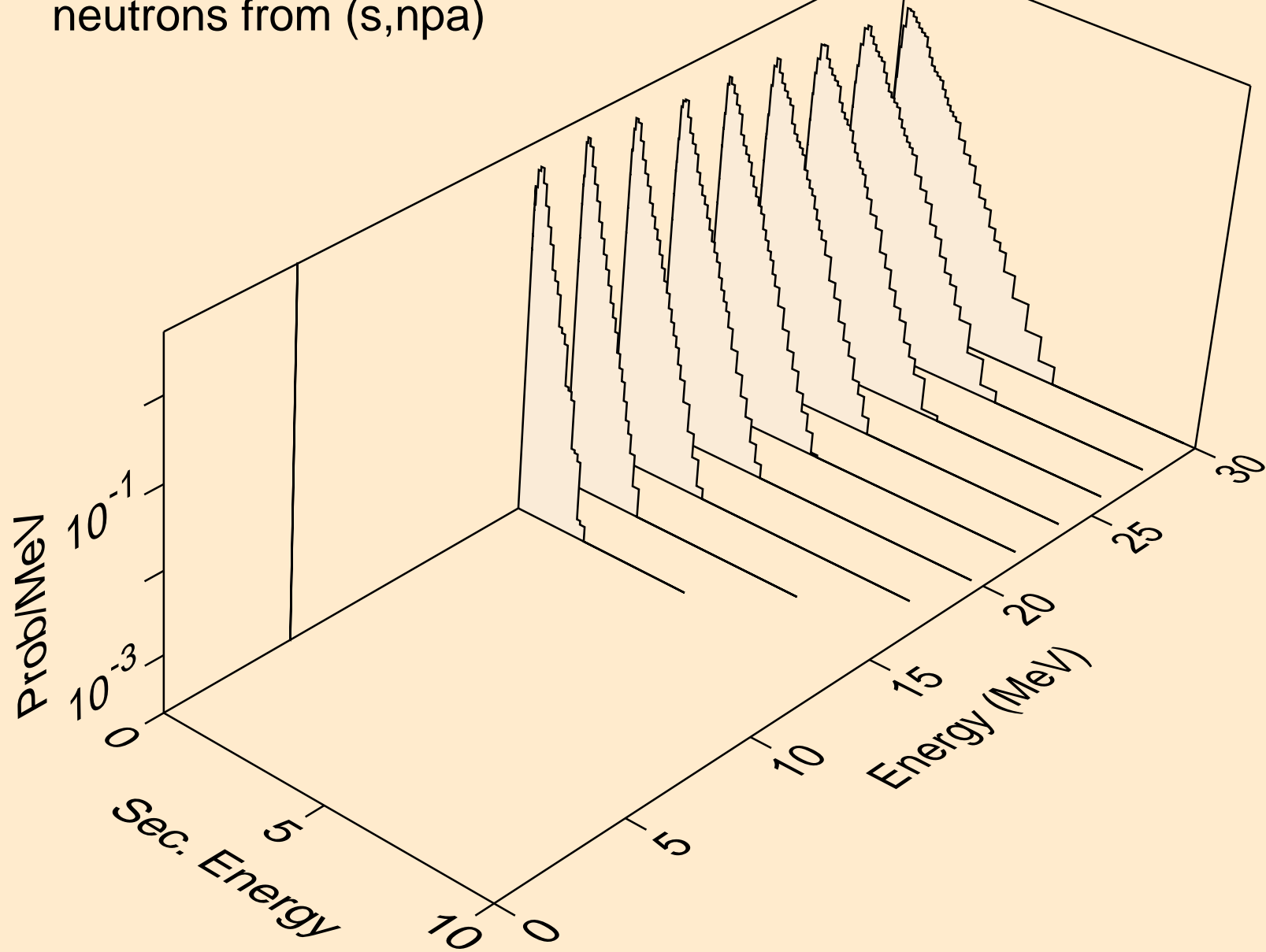
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neutrons from (s,3np)



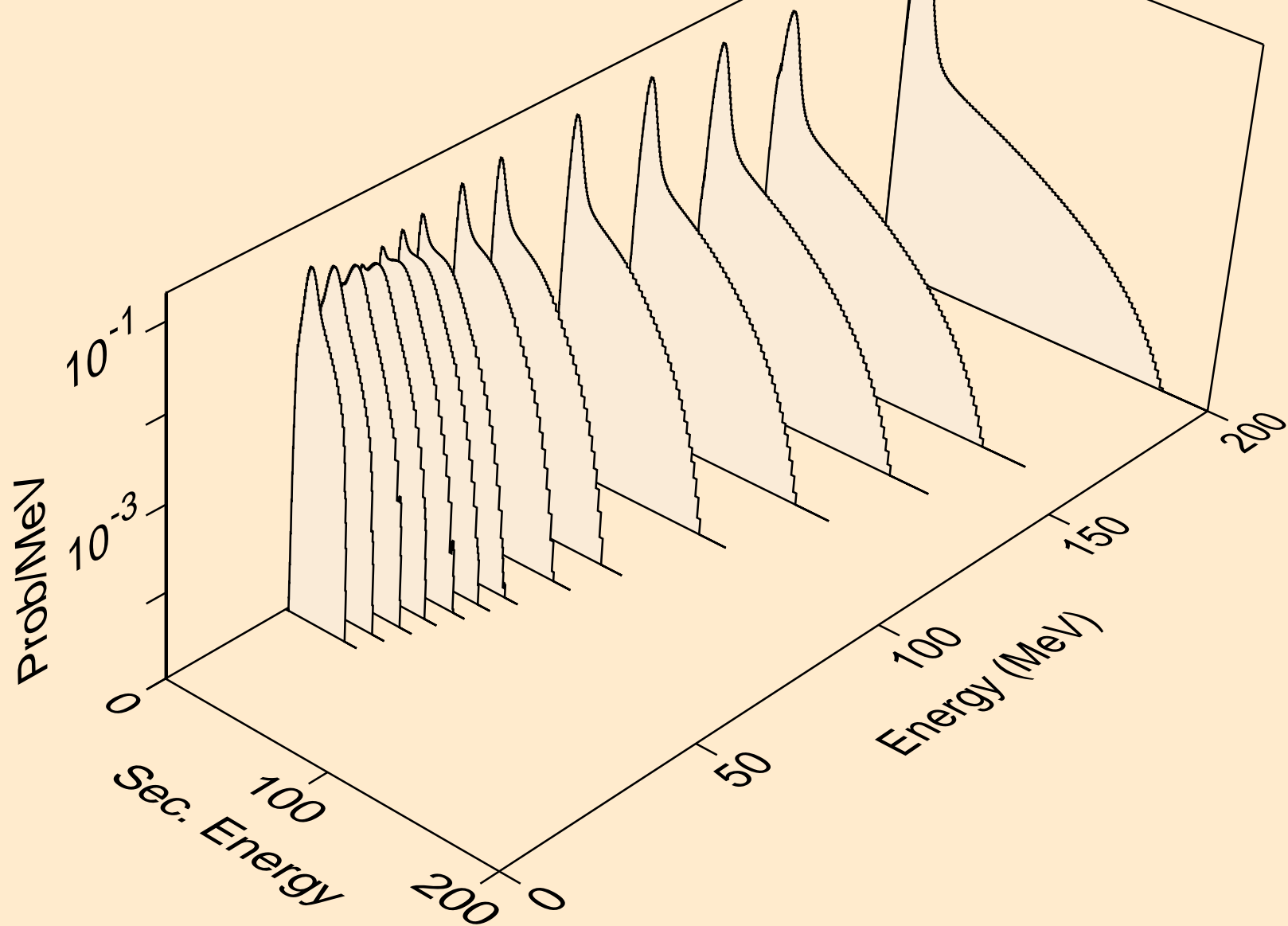
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2np)



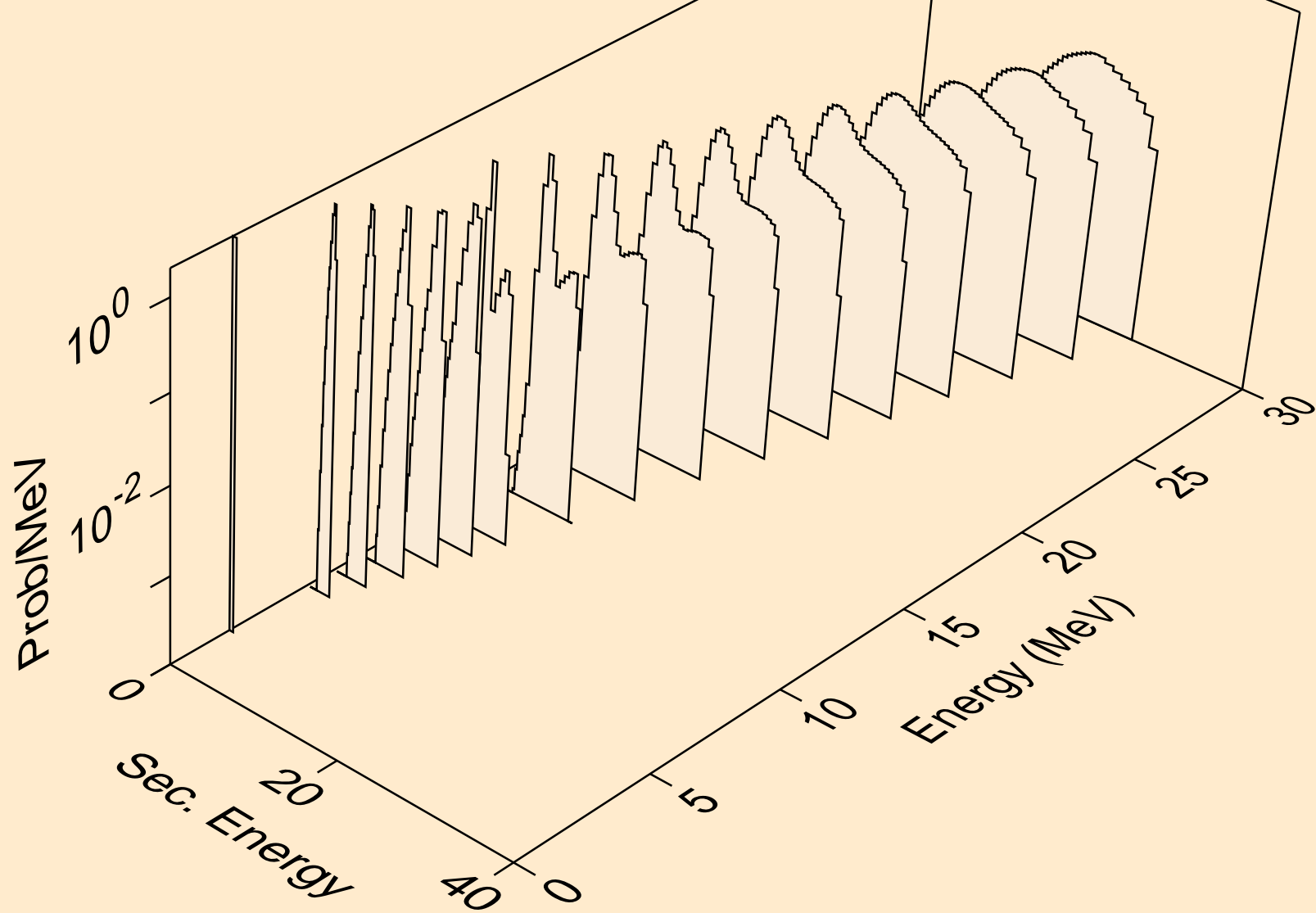
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,npa)



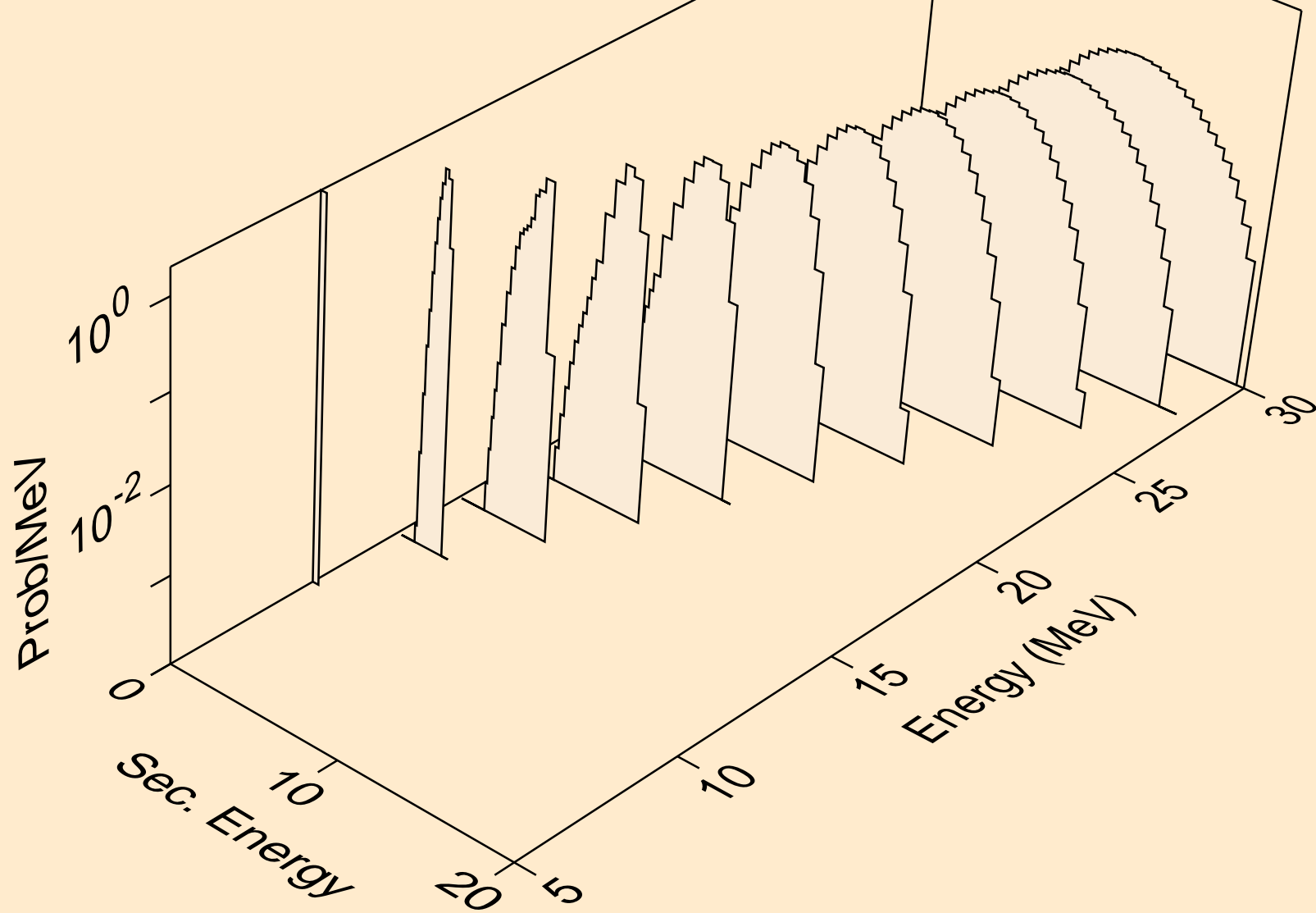
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,x)



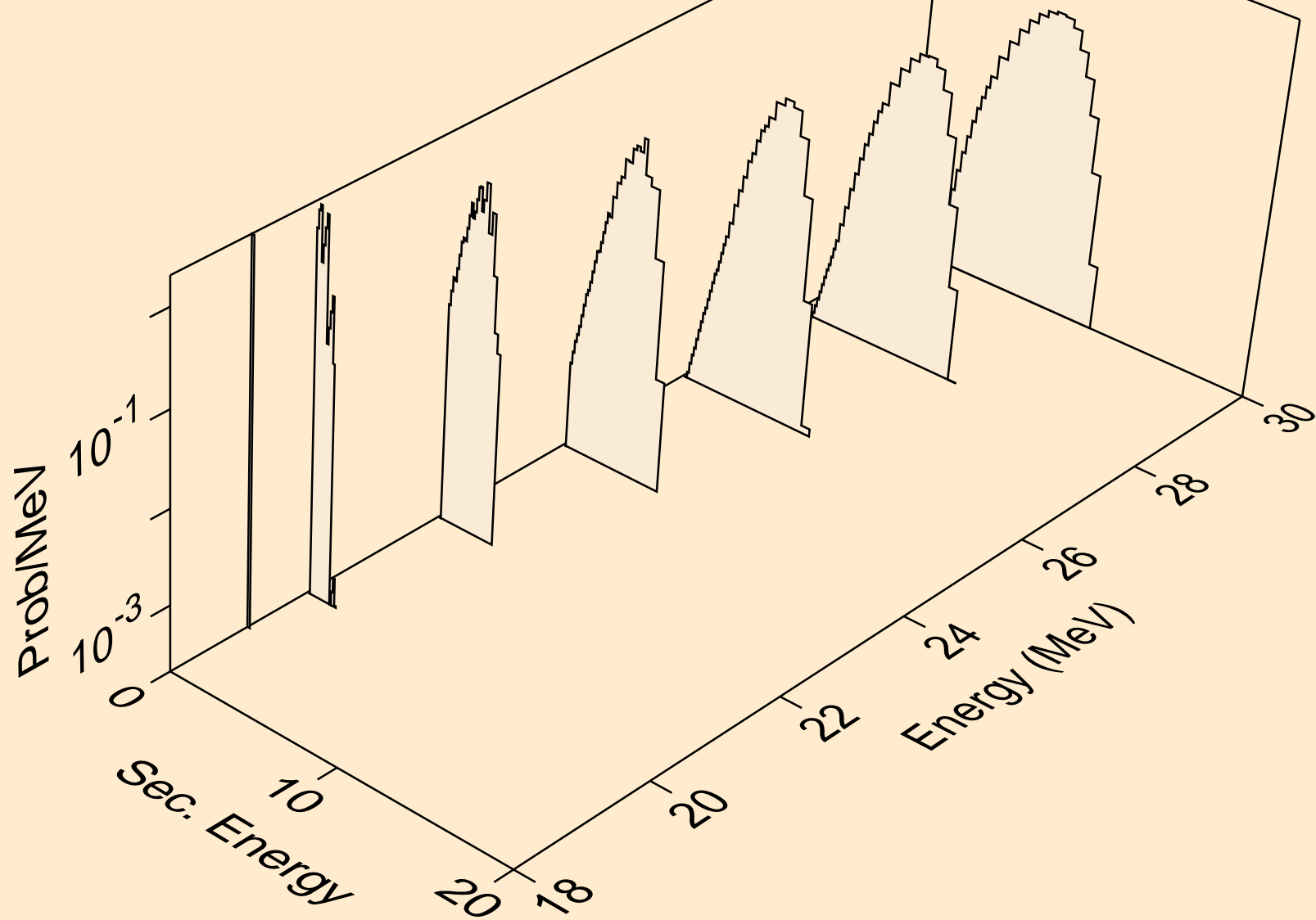
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,n\*)p



SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,2np)

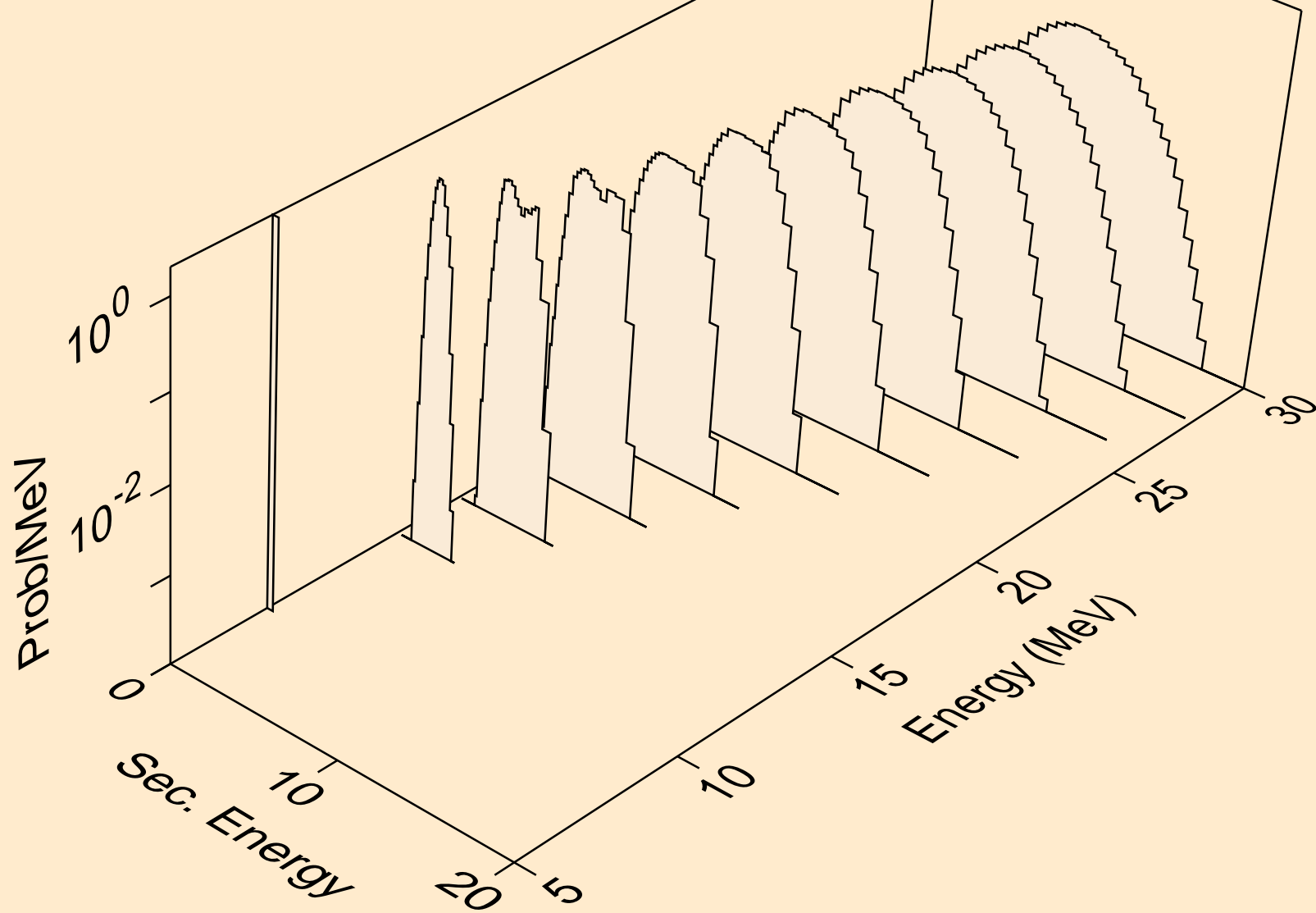


SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,3np)

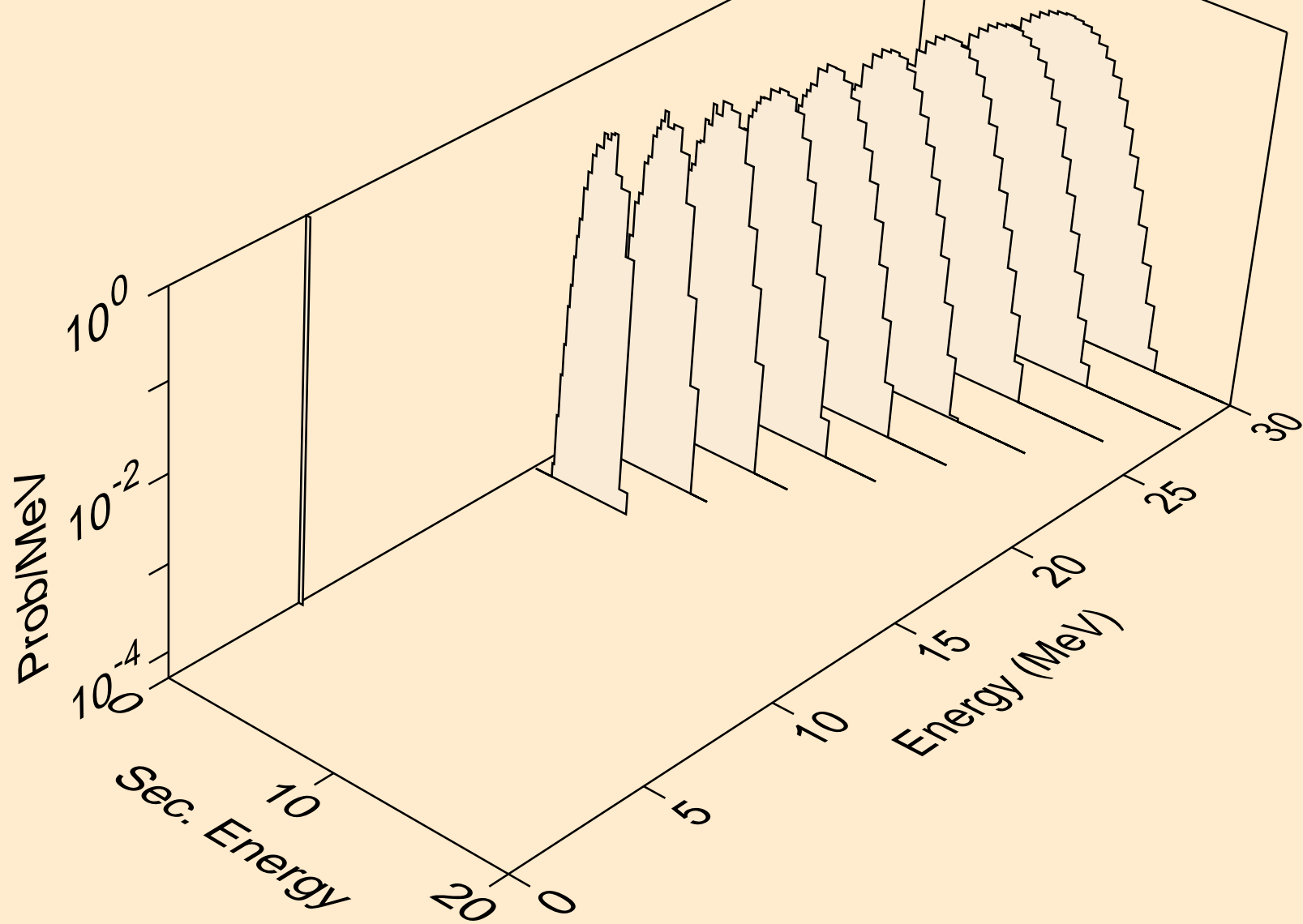




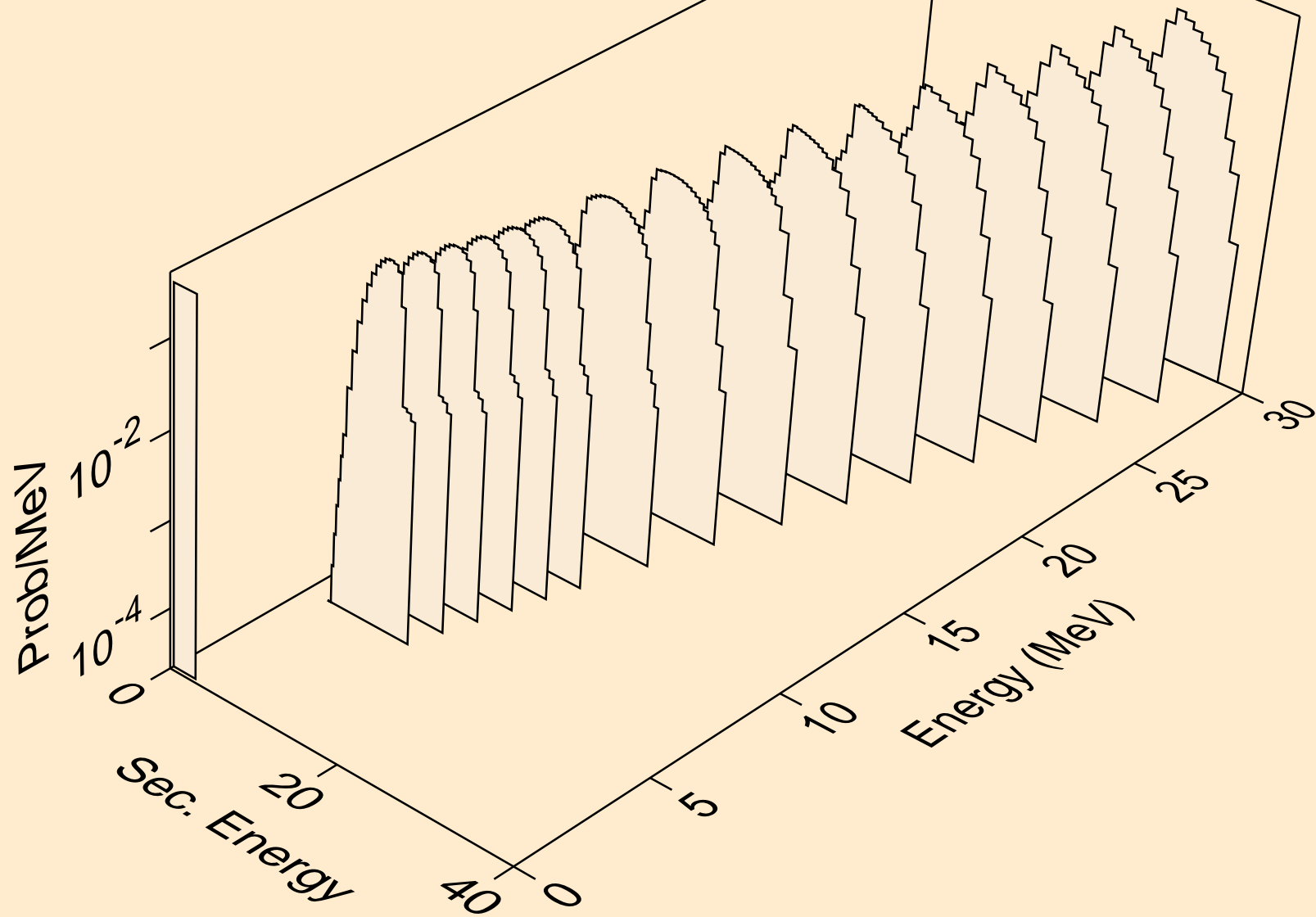
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
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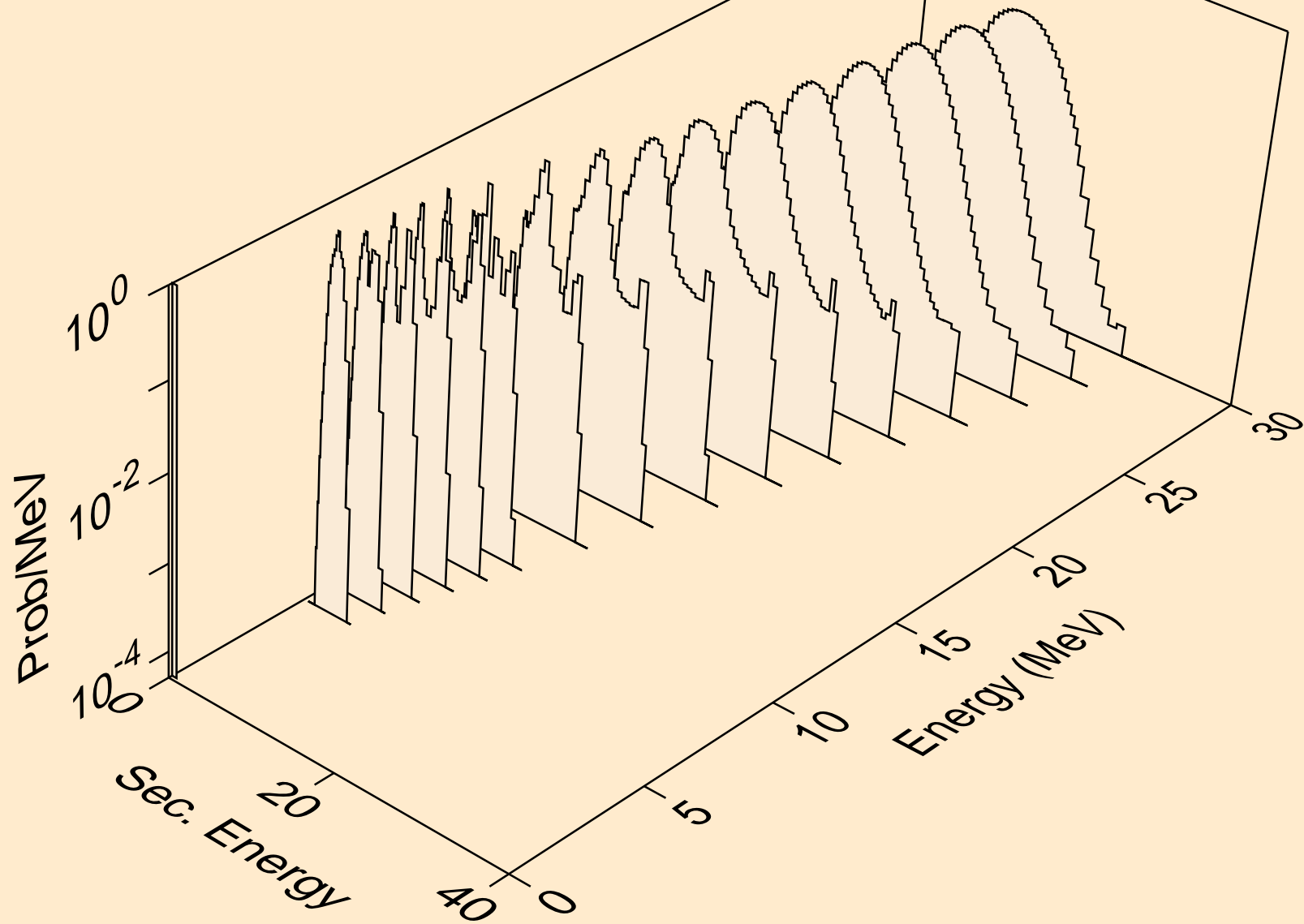
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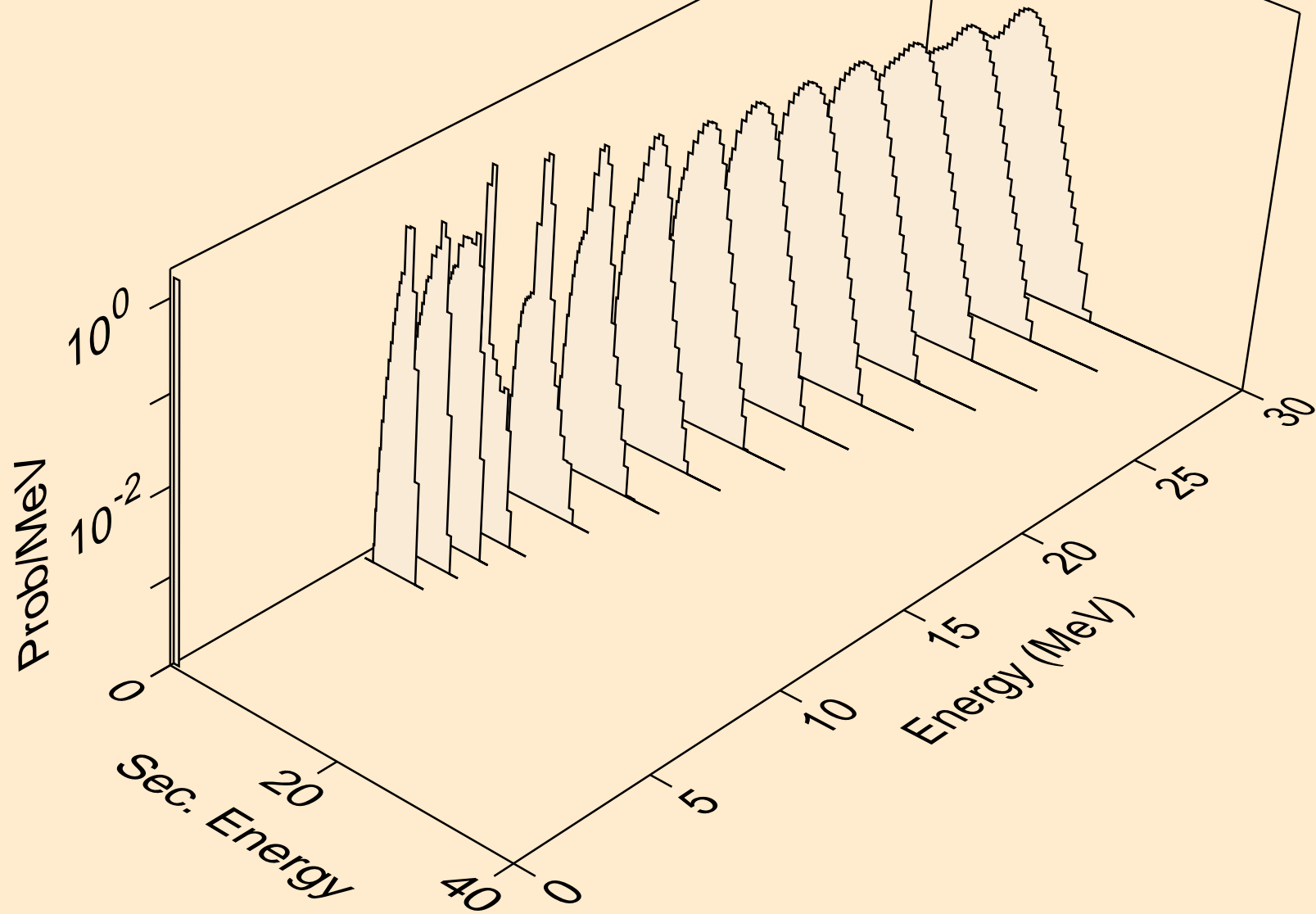
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protons from (s,p)



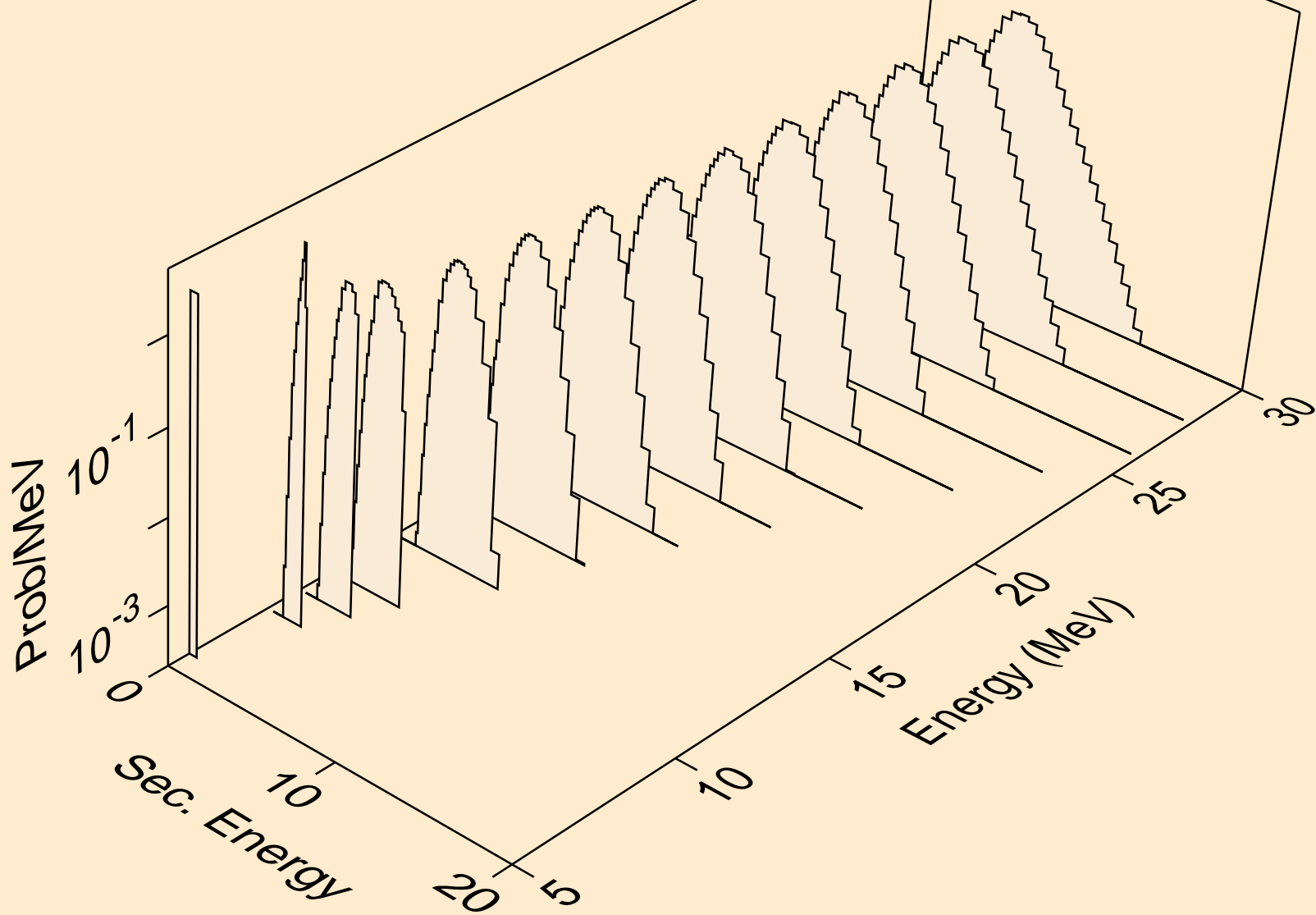
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protons from (s,2p)



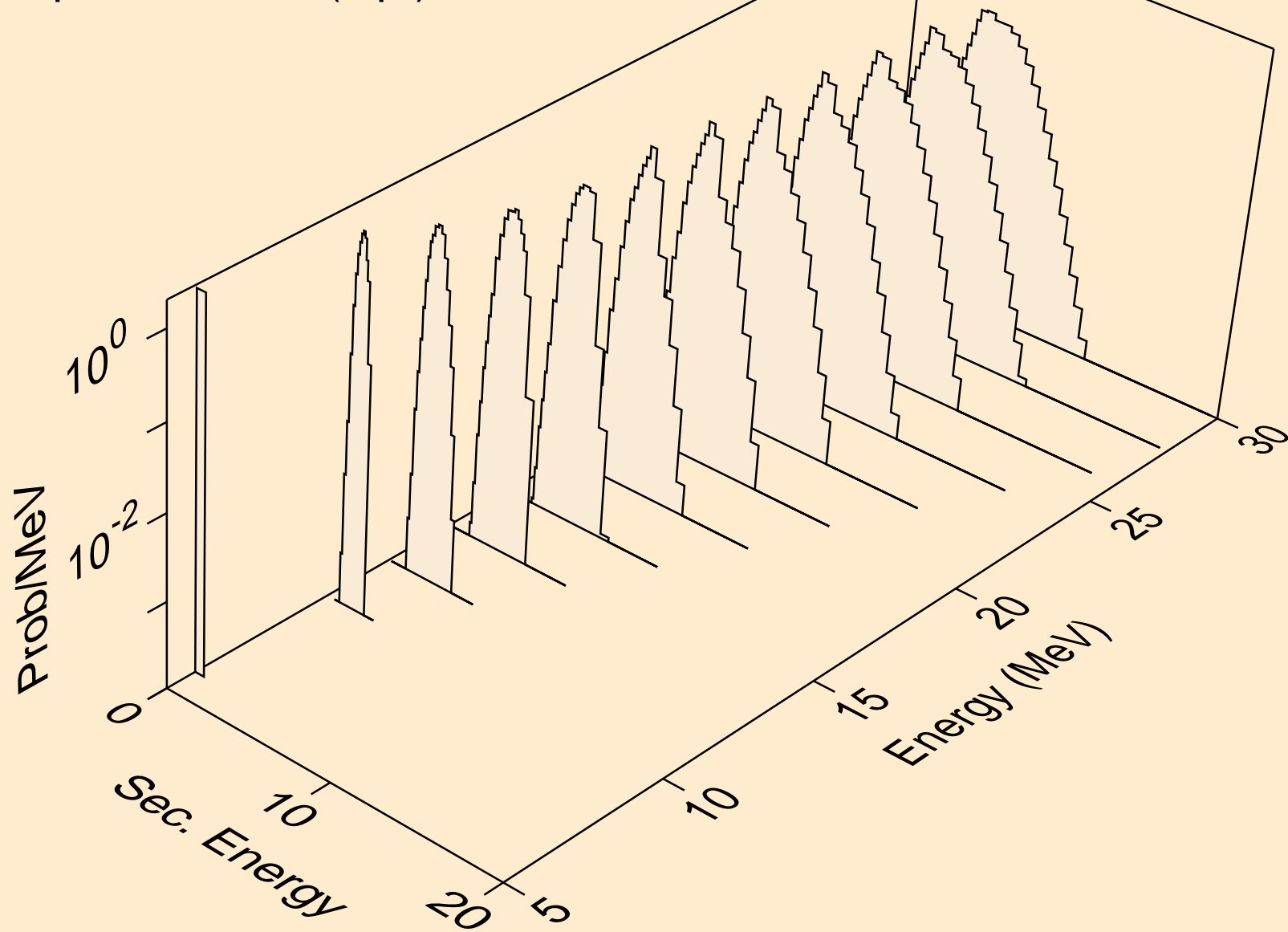
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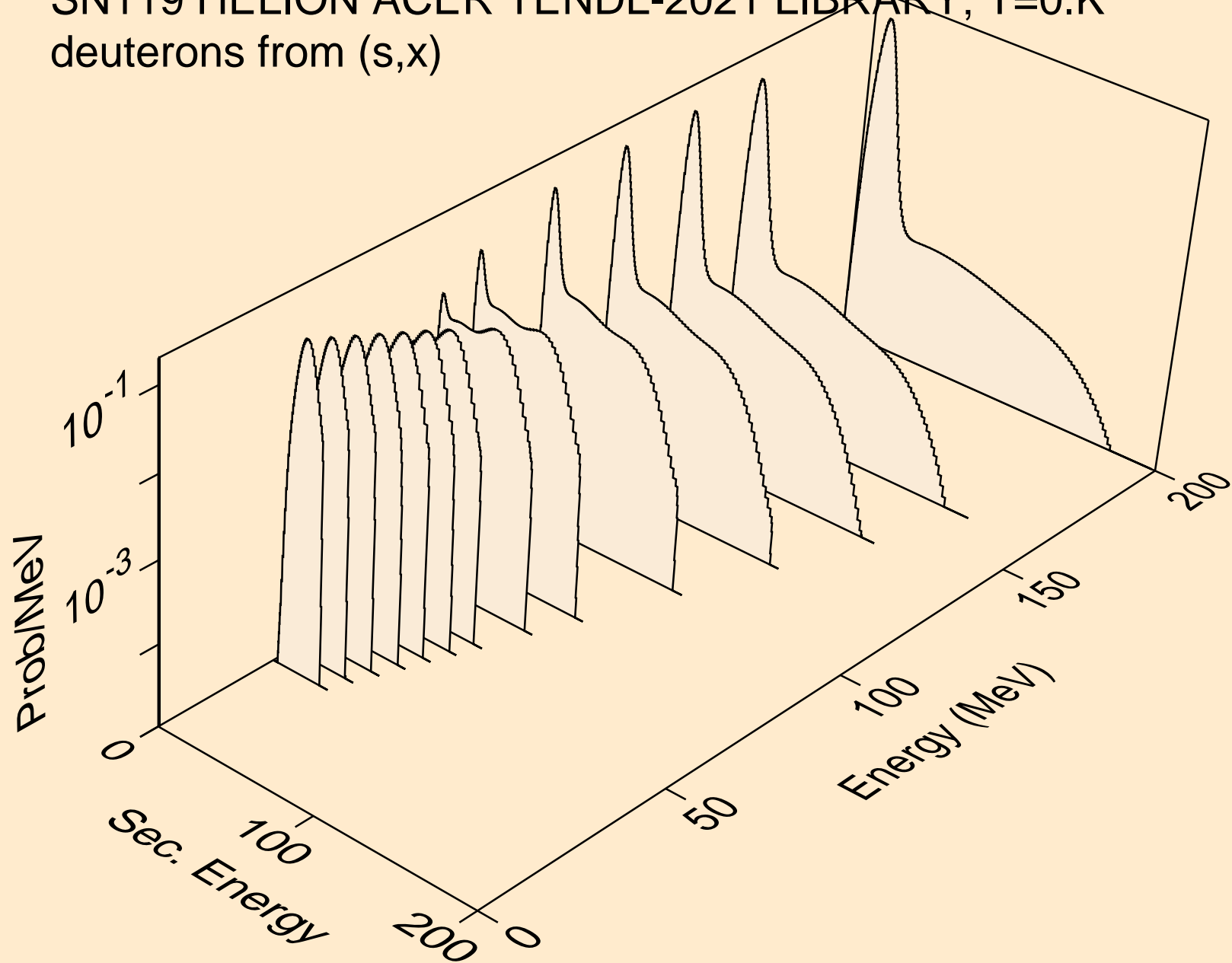
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,pd)



SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,pt)

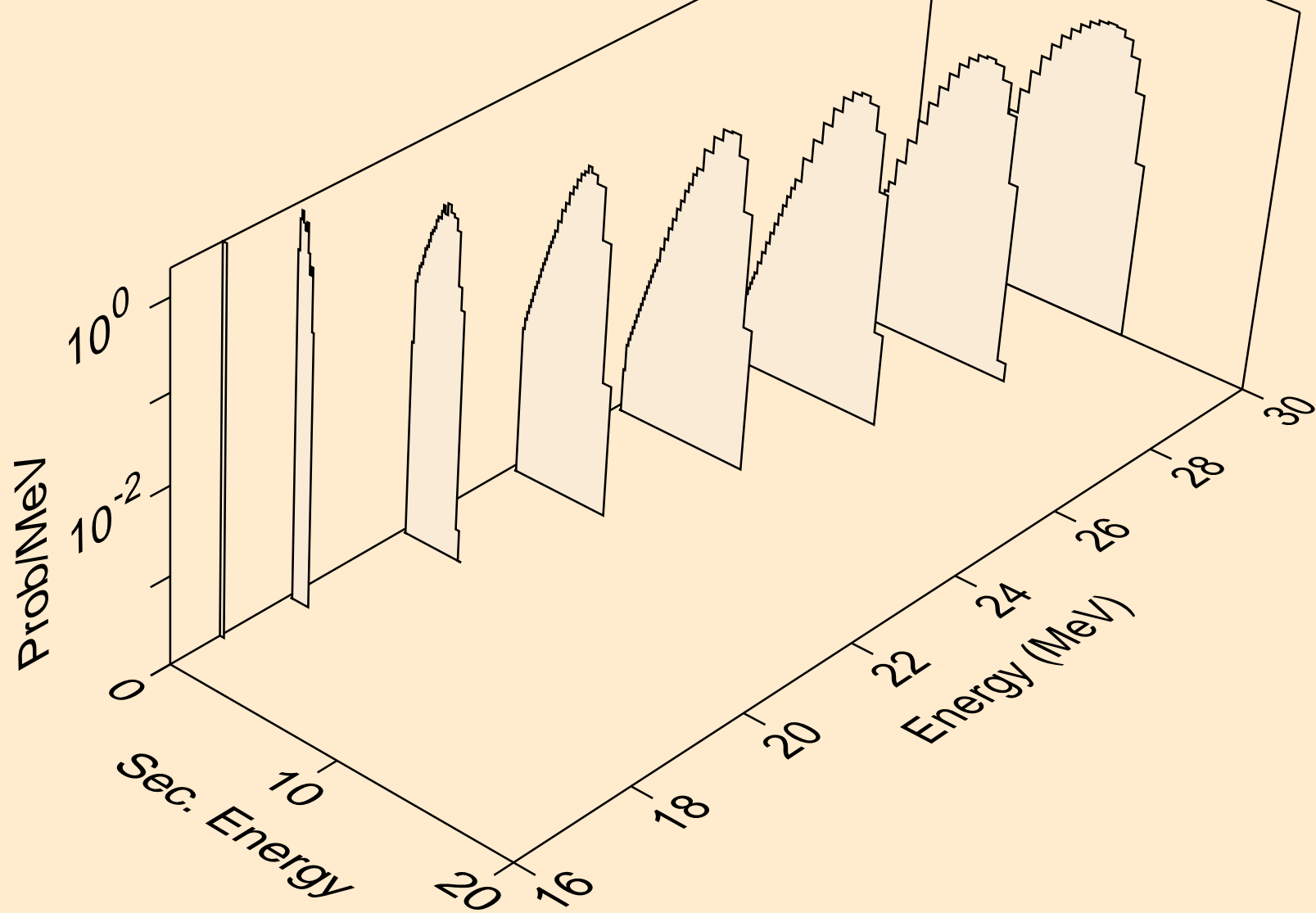


SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,x)

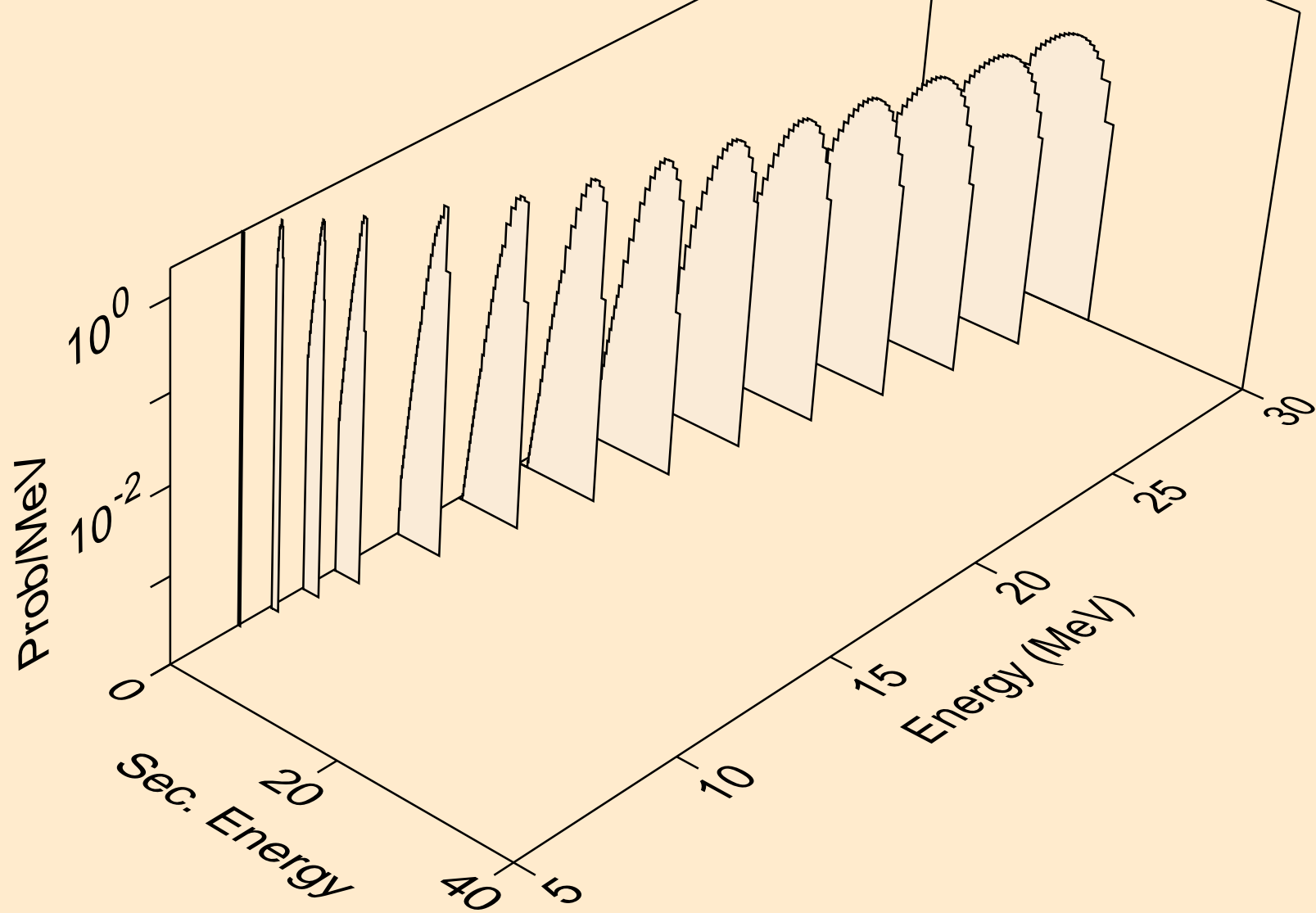




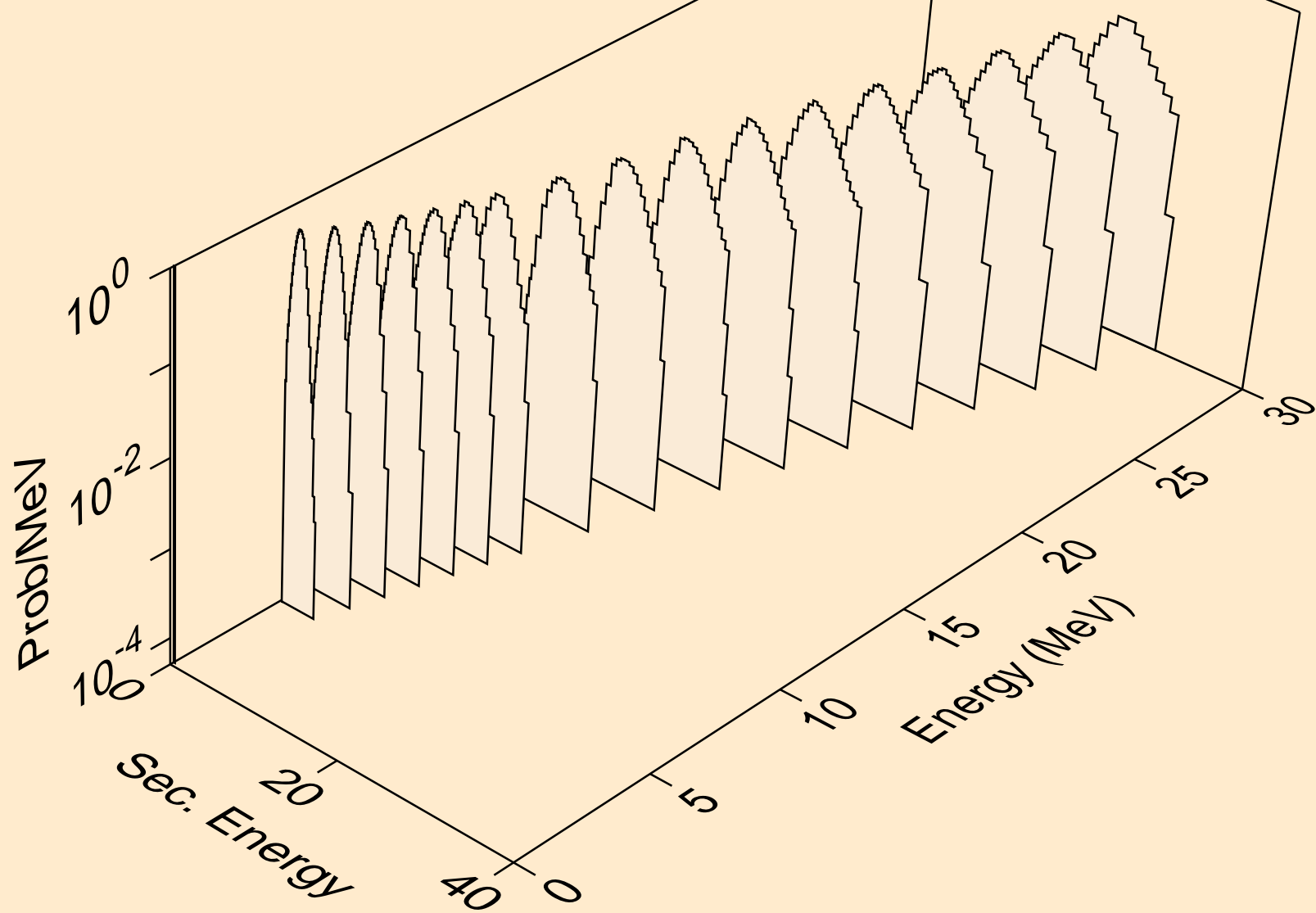
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,2nd)



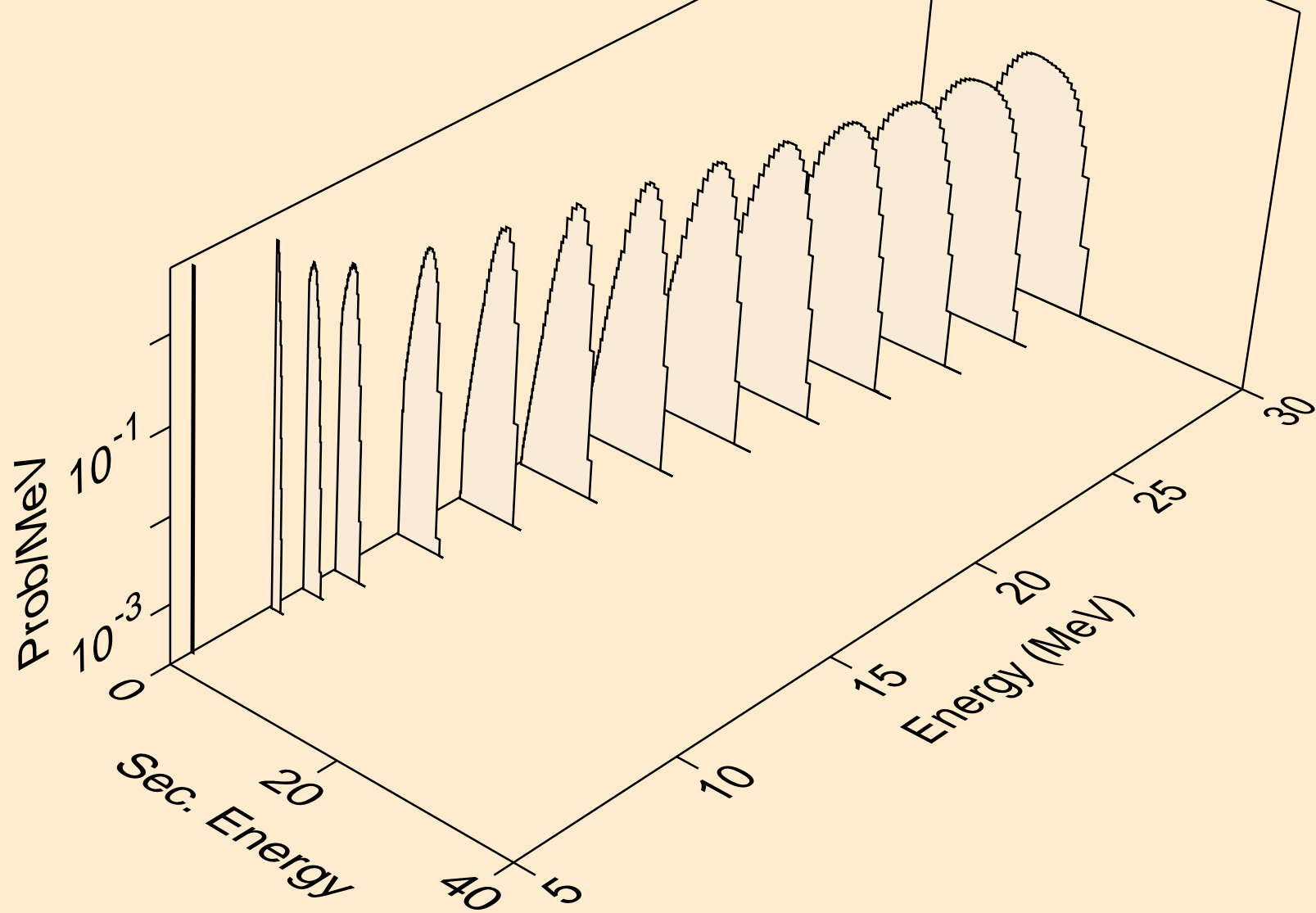
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,n\*)d



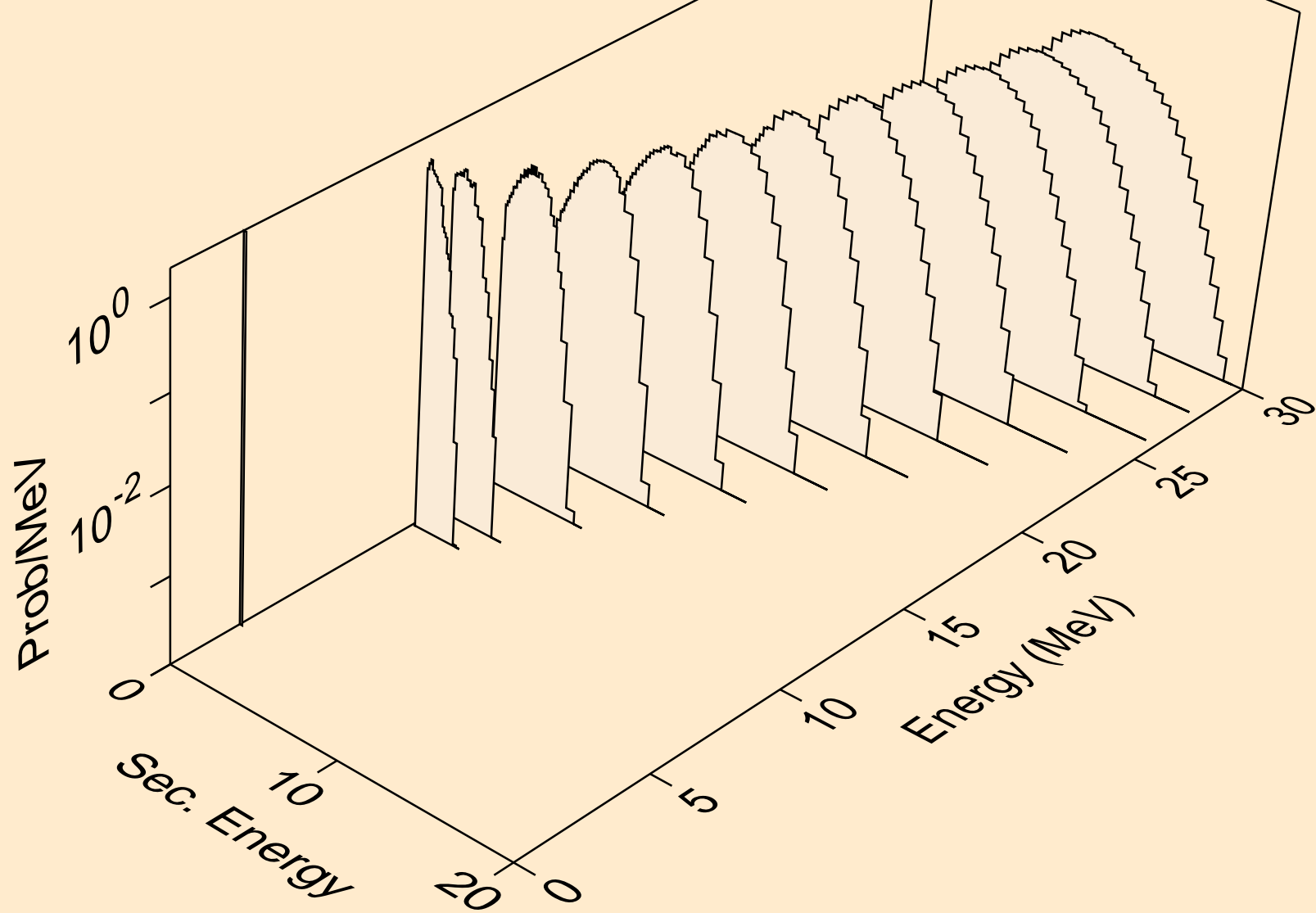
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deuterons from (s,d)



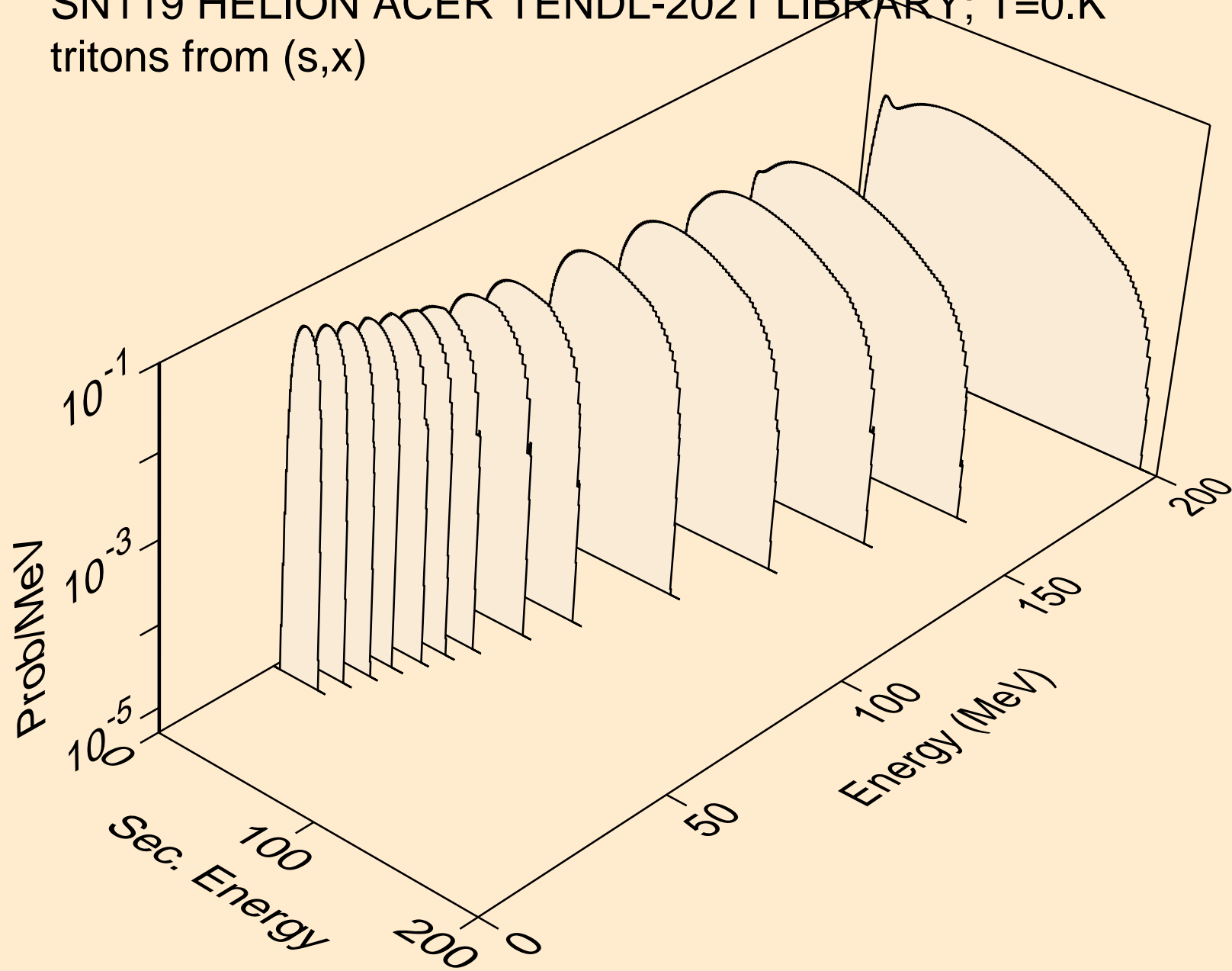
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,pd)



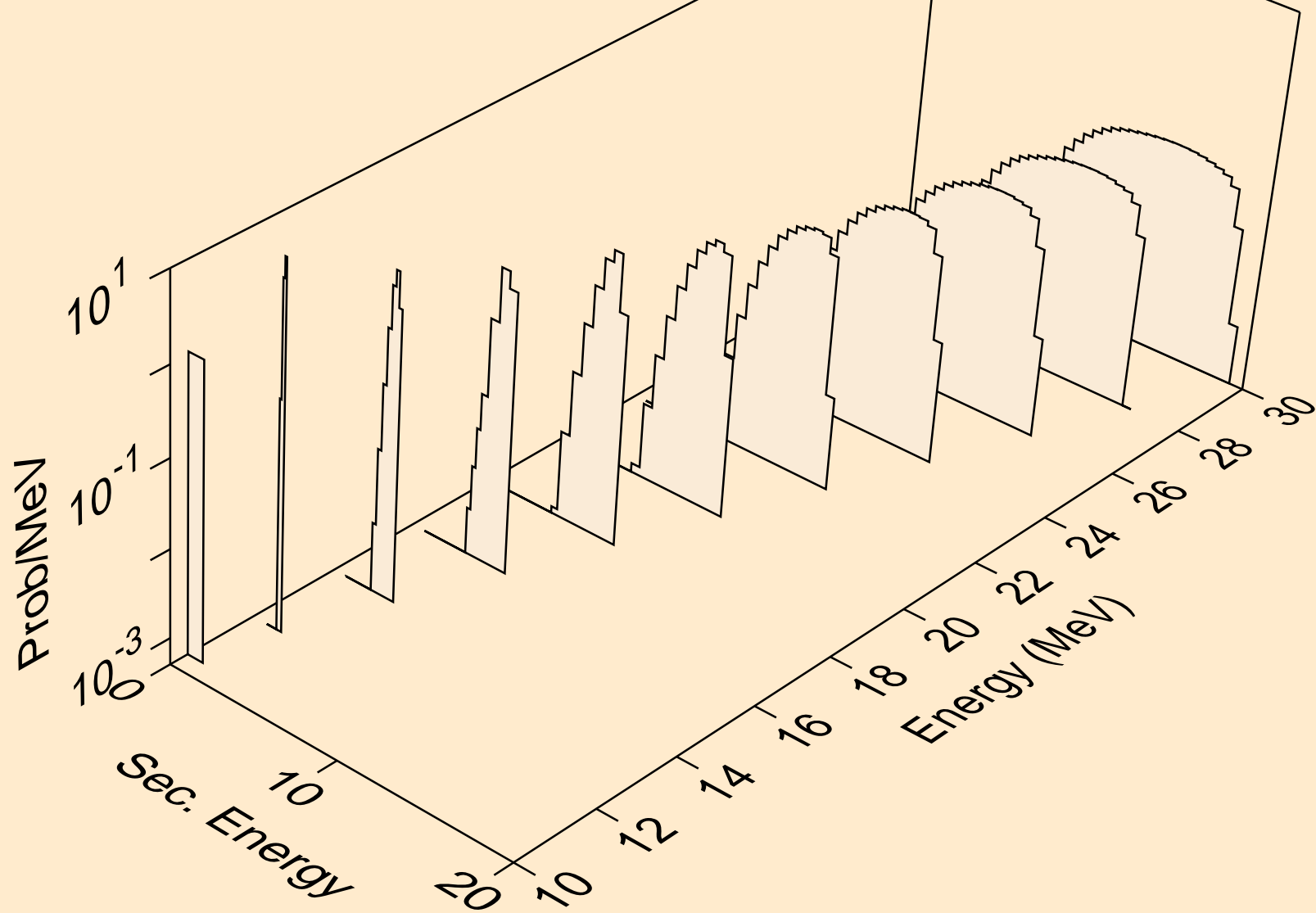
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,da)



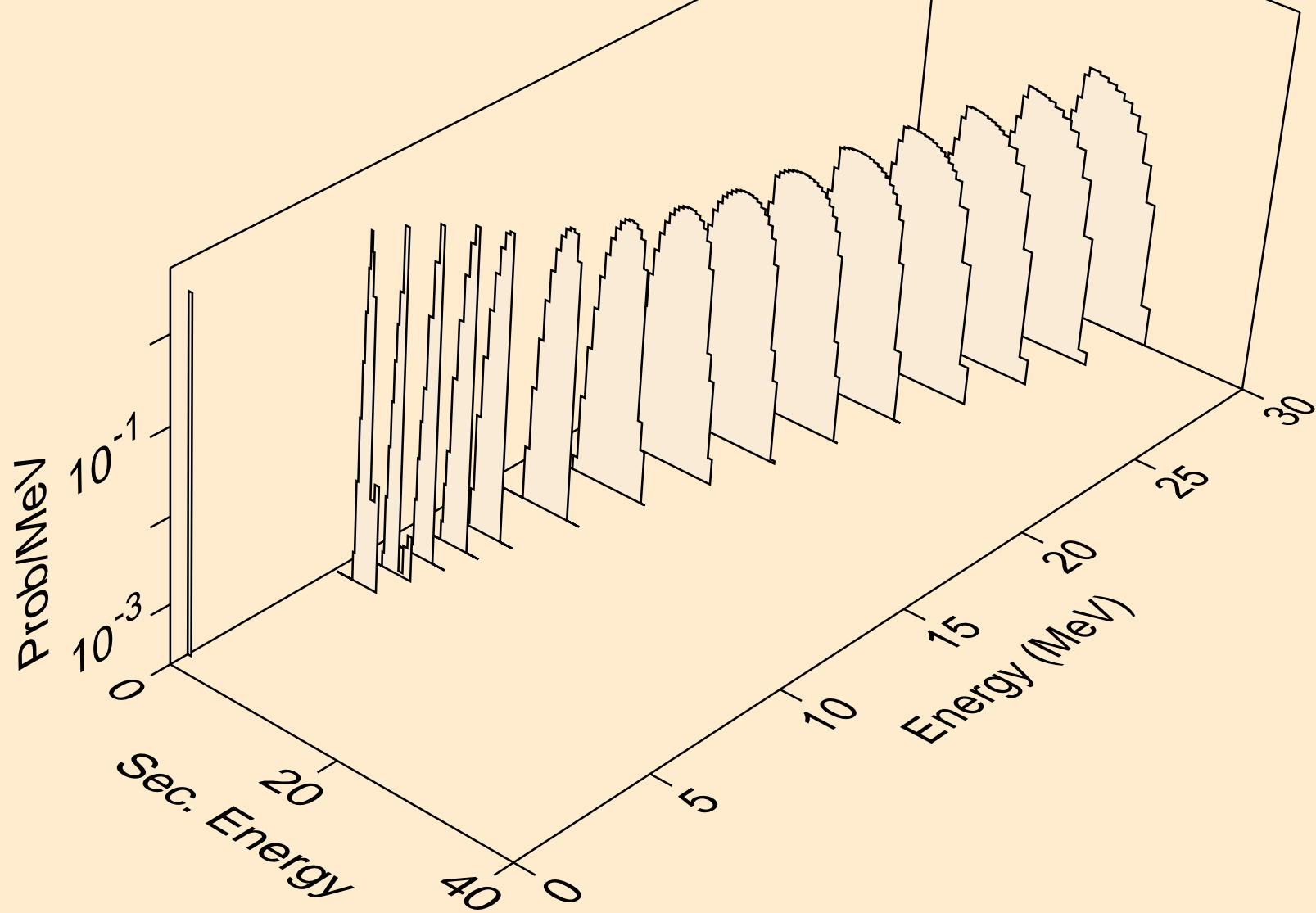
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,x)



SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,n\*)t

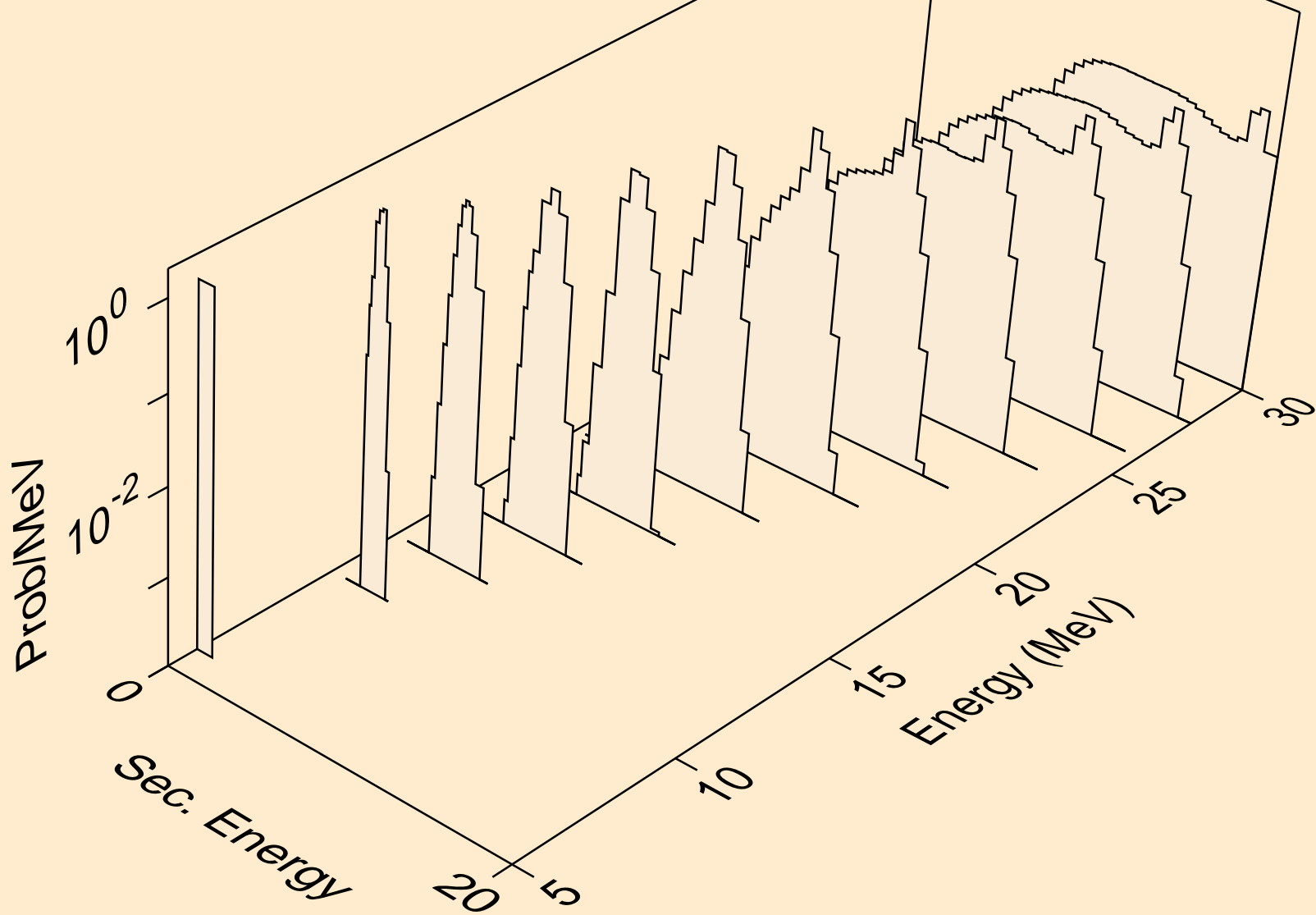


SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,t)

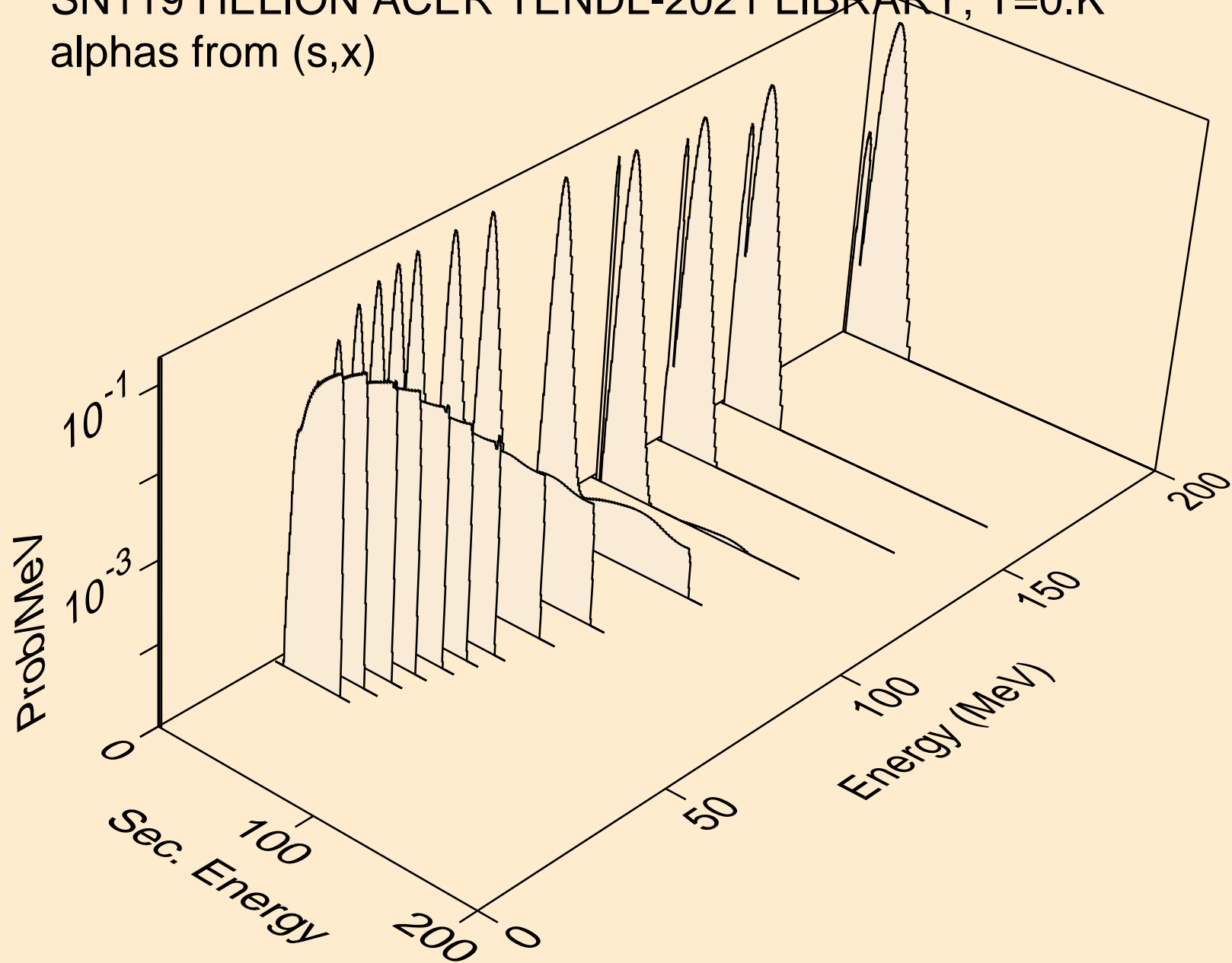




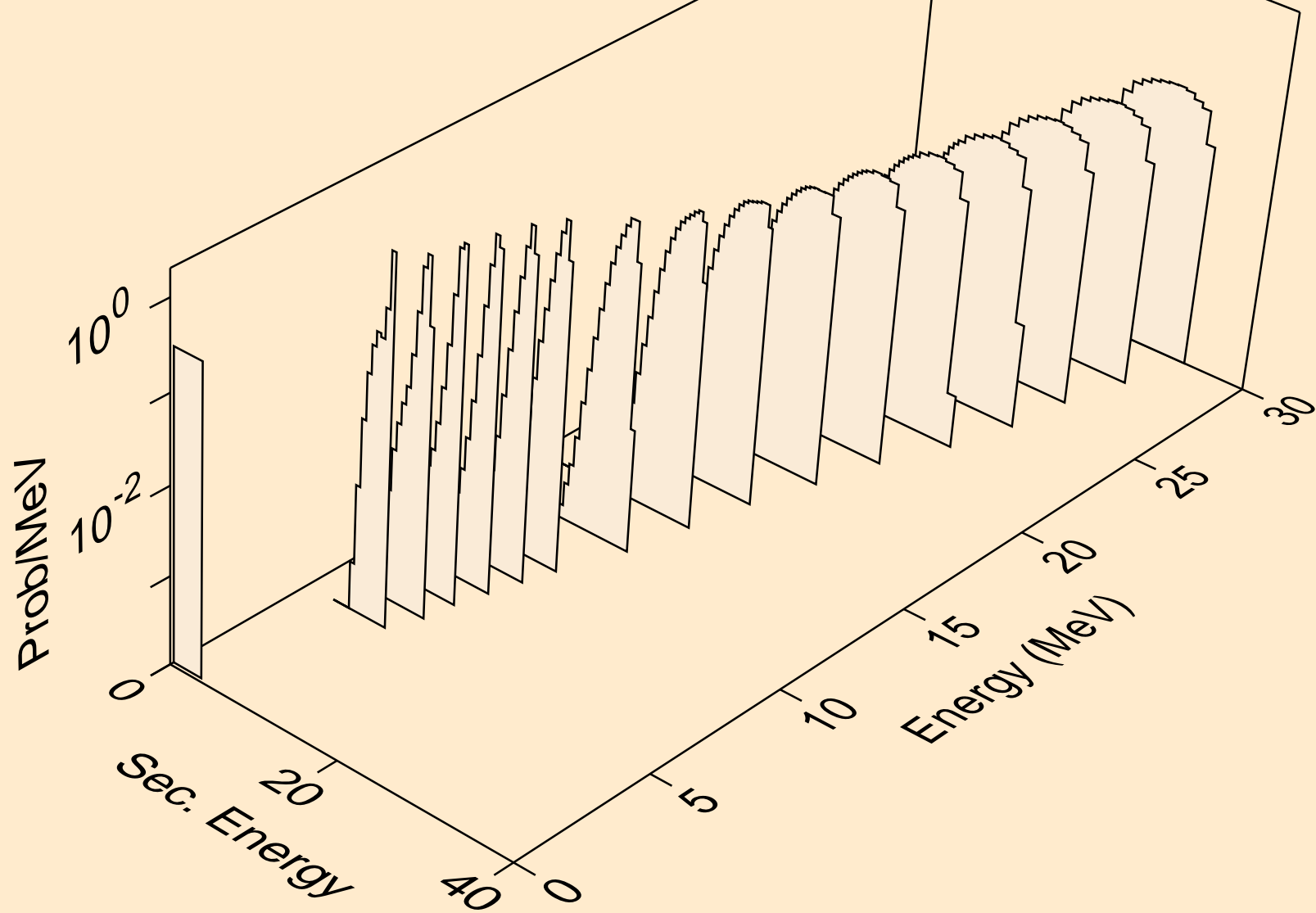
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,pt)



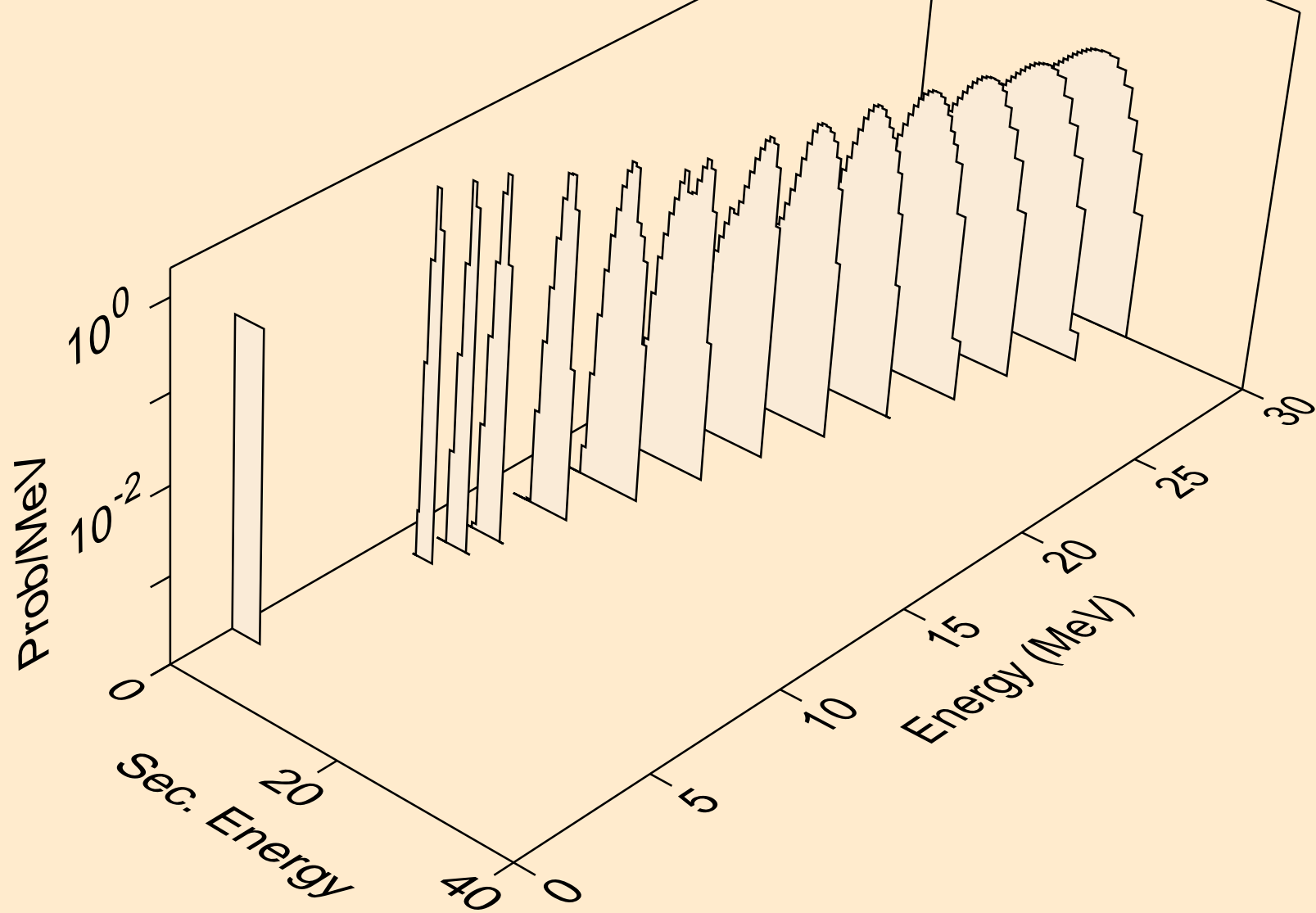
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,x)



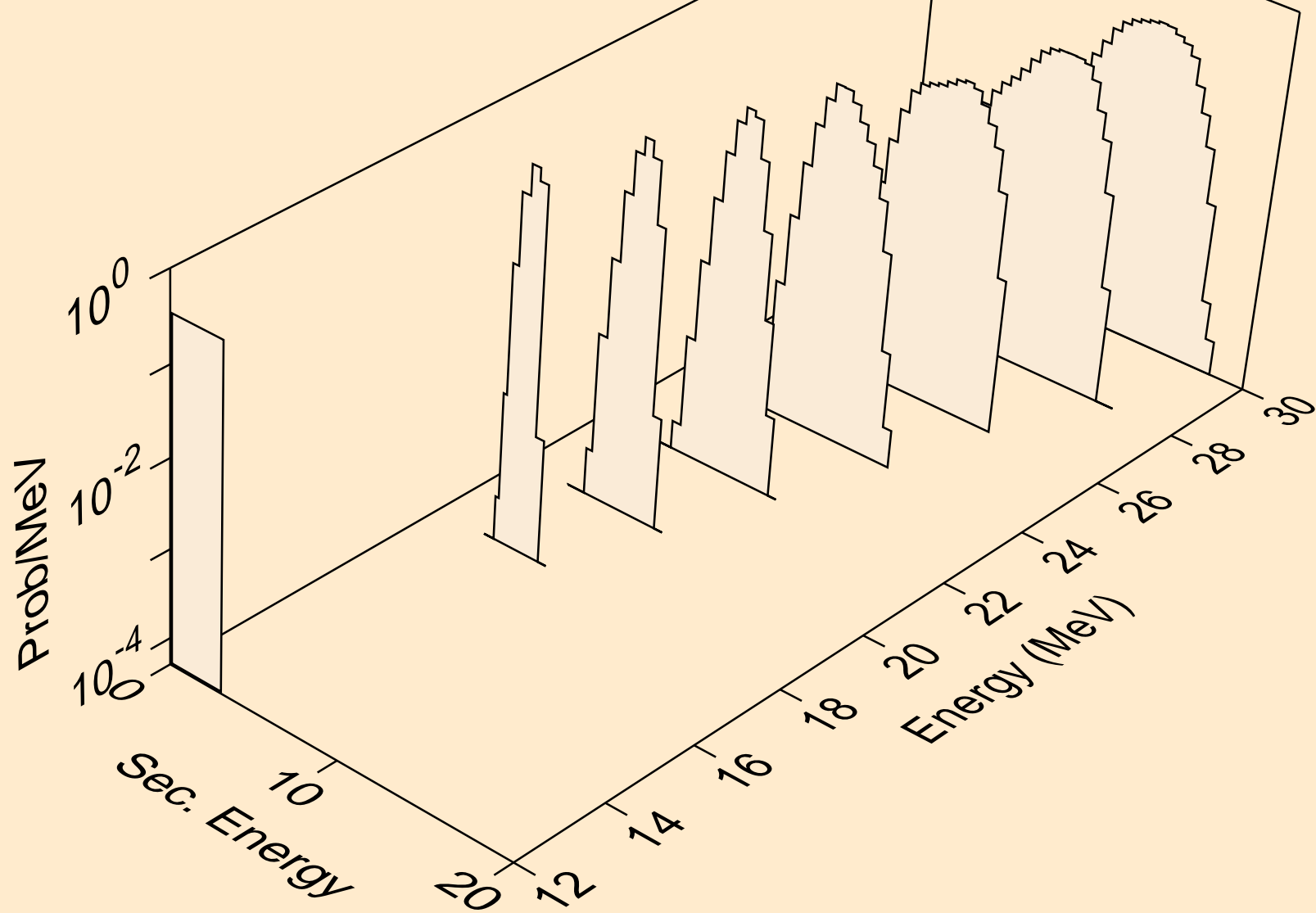
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,n\*)a



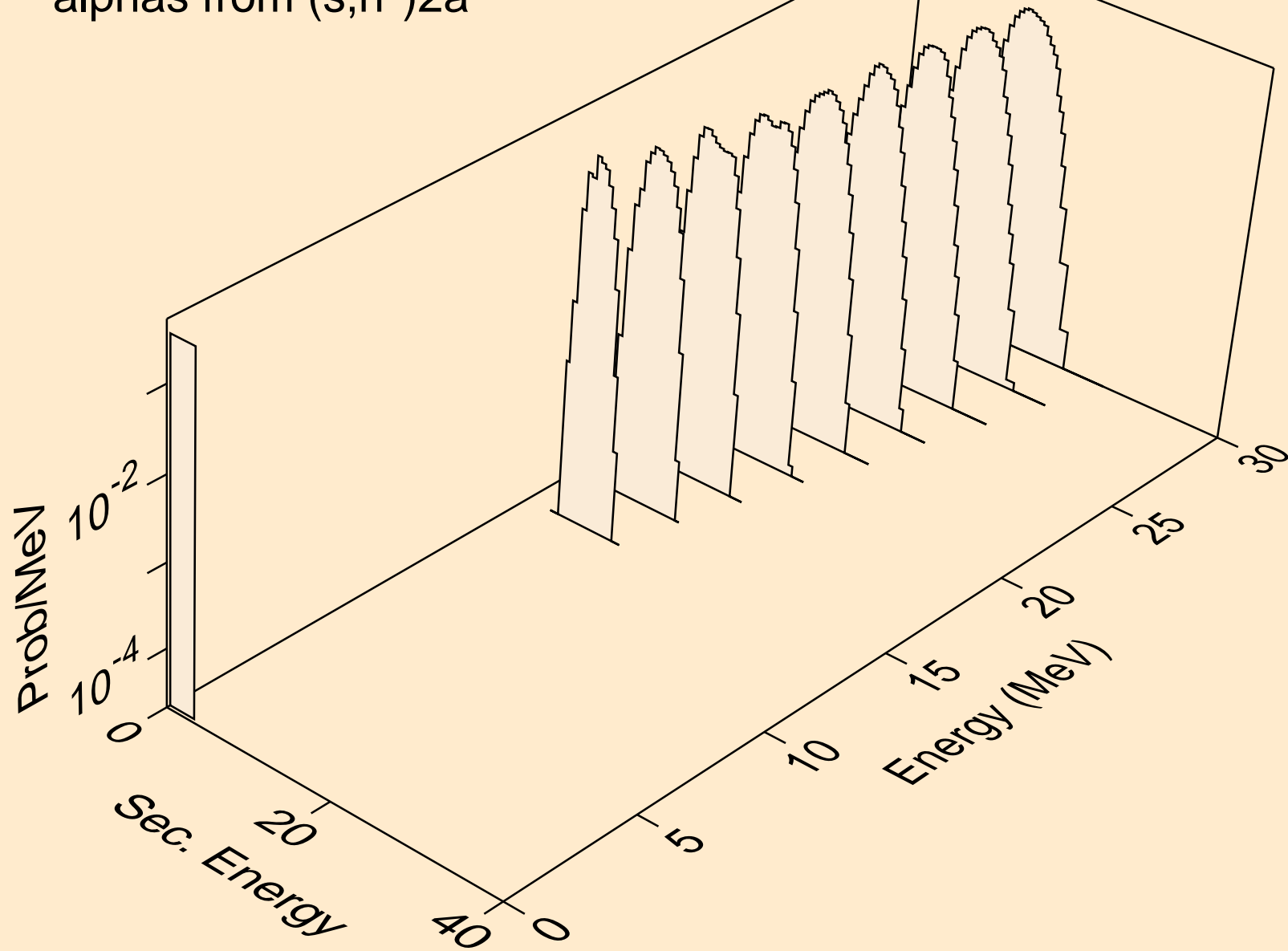
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,2n)a



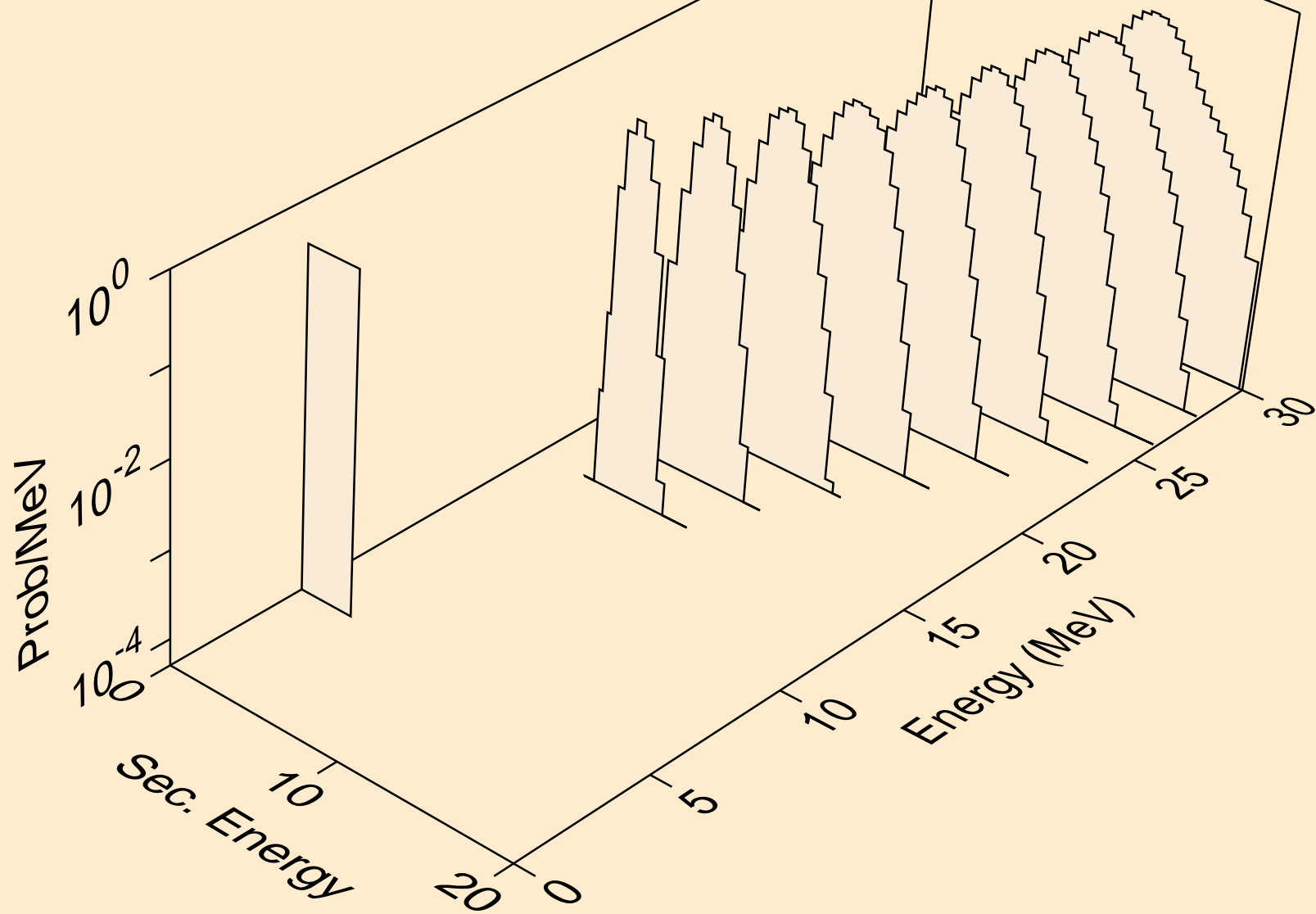
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,3n)a



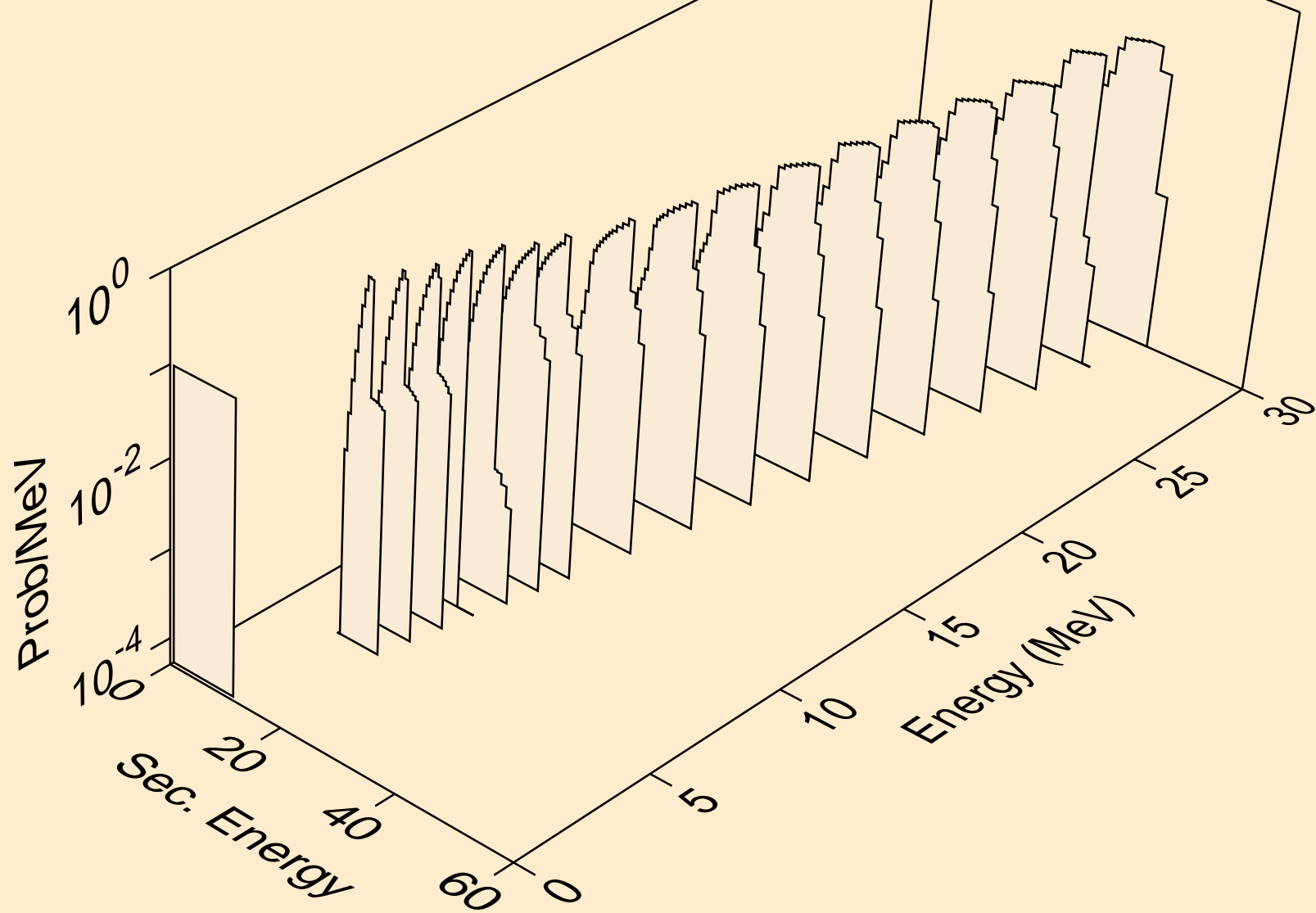
SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,n\*)2a



SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,npa)

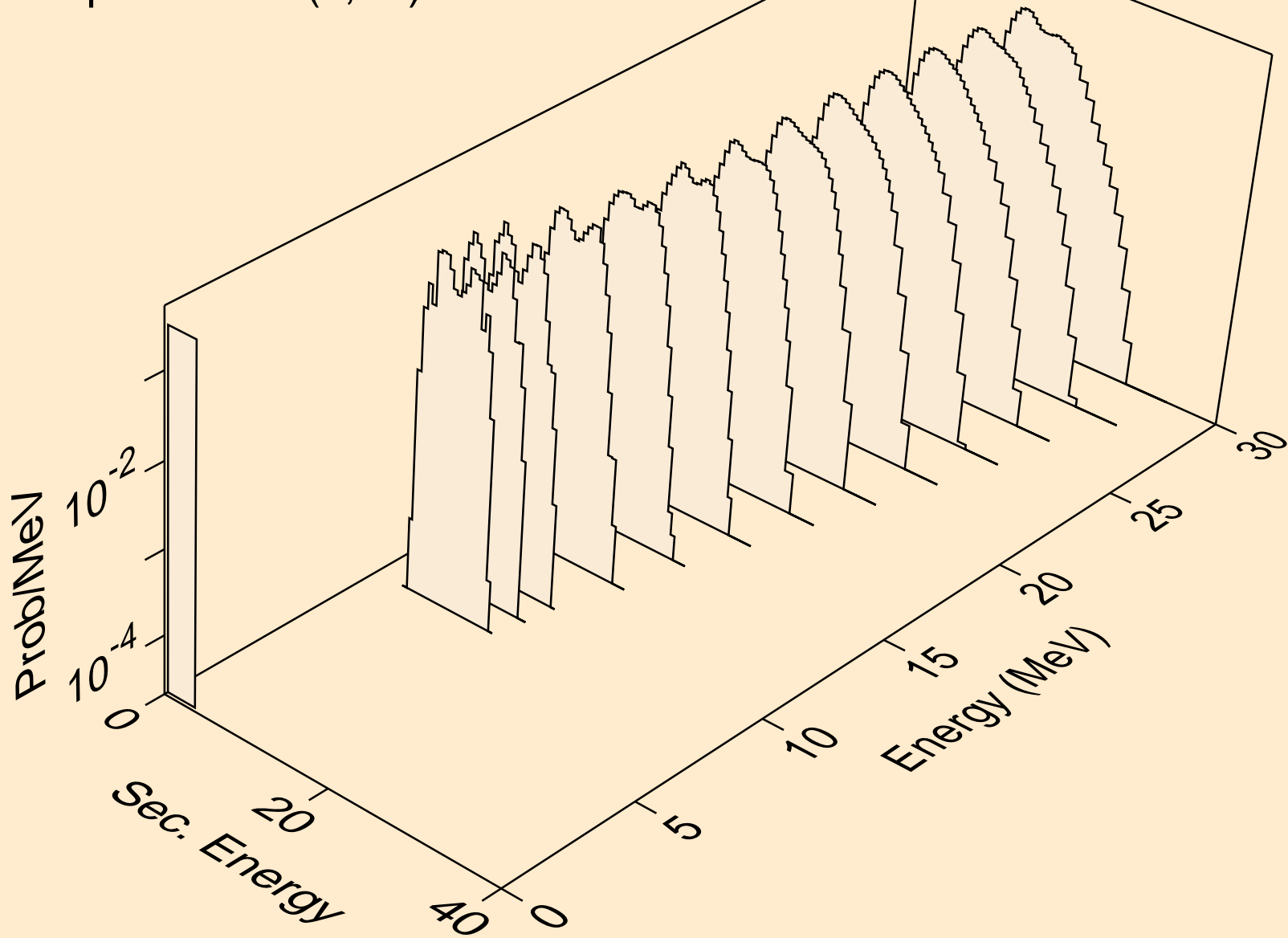


SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,a)

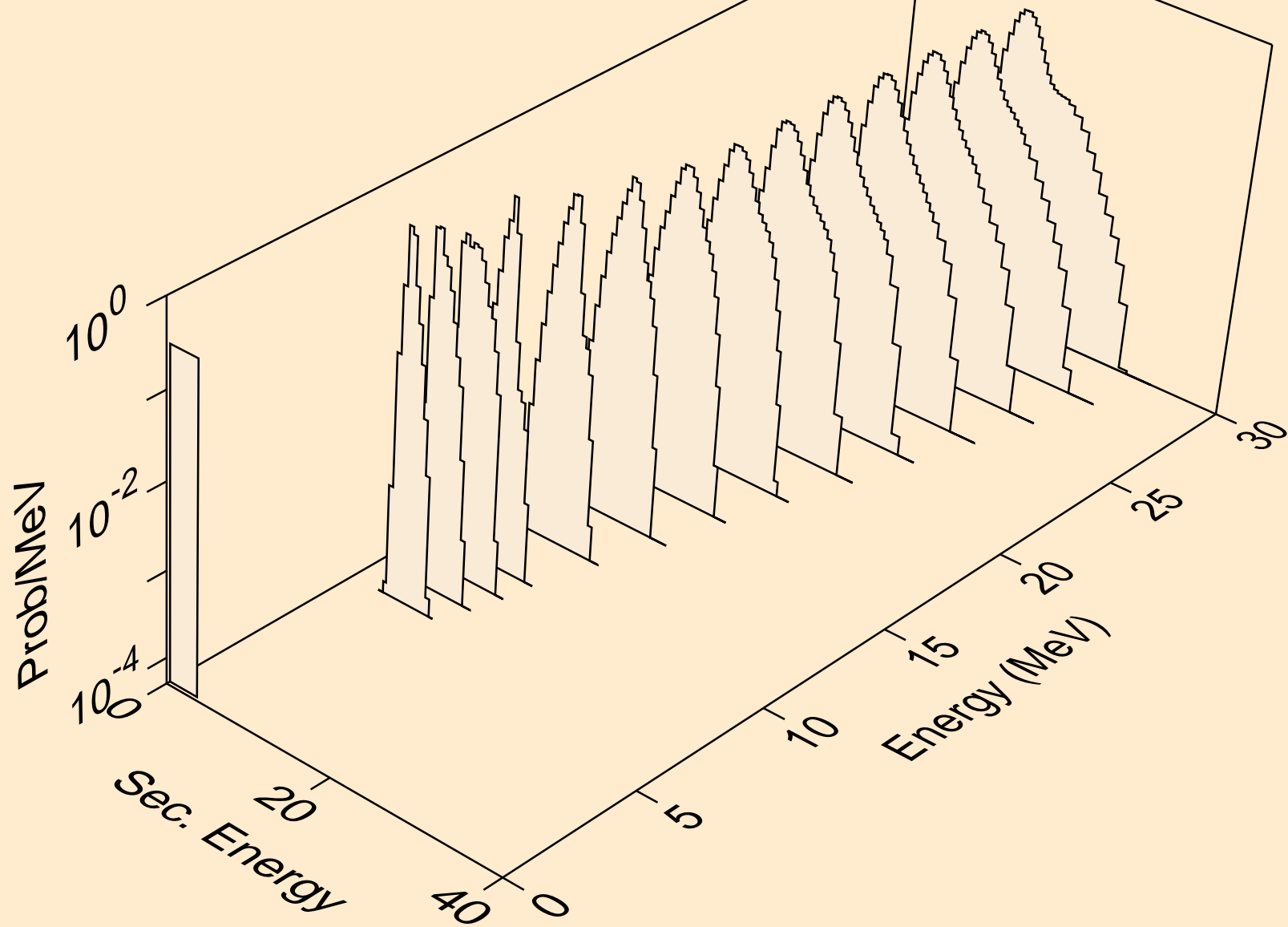




SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,2a)



SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,pa)



SN119 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,da)

