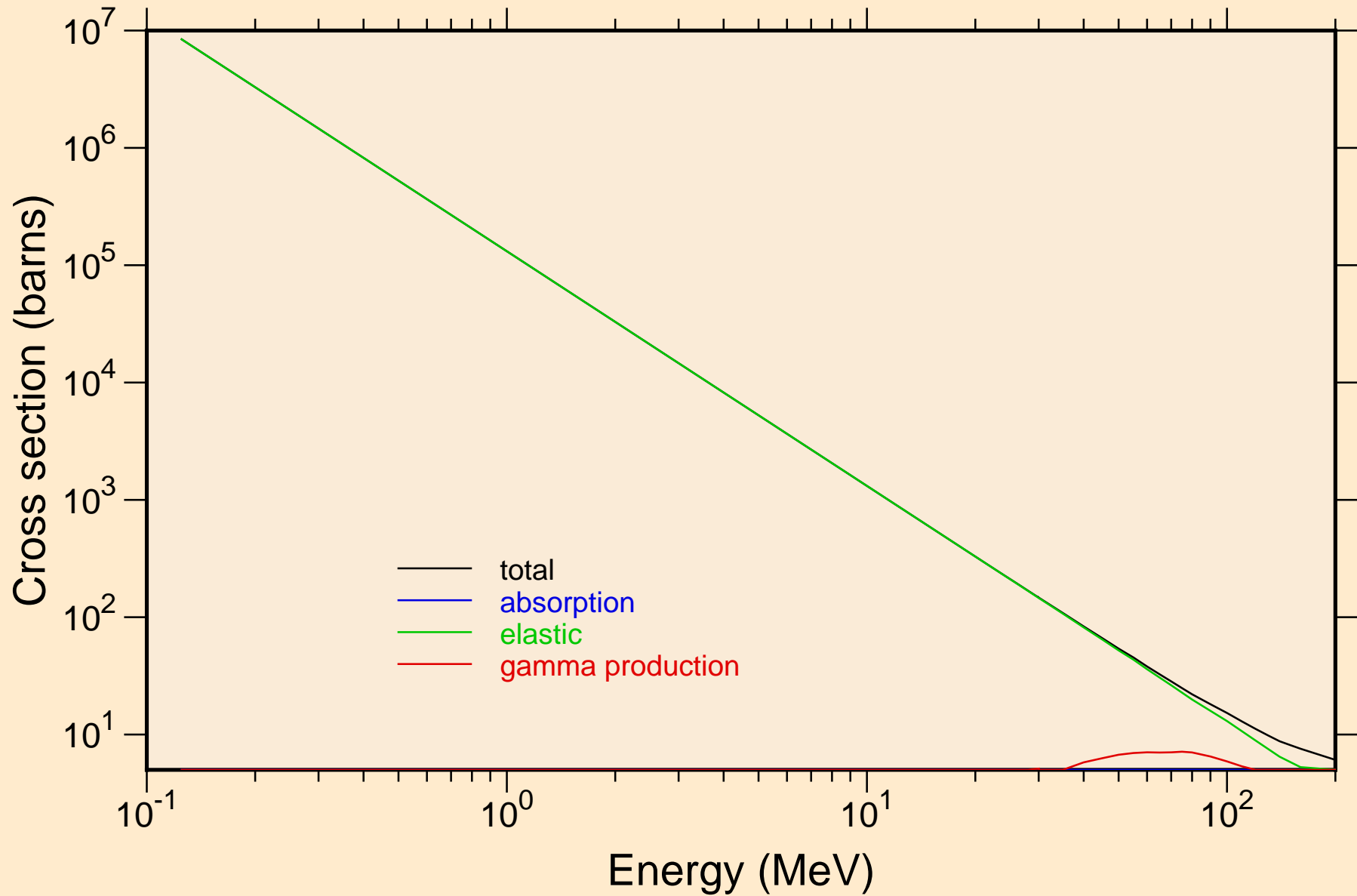
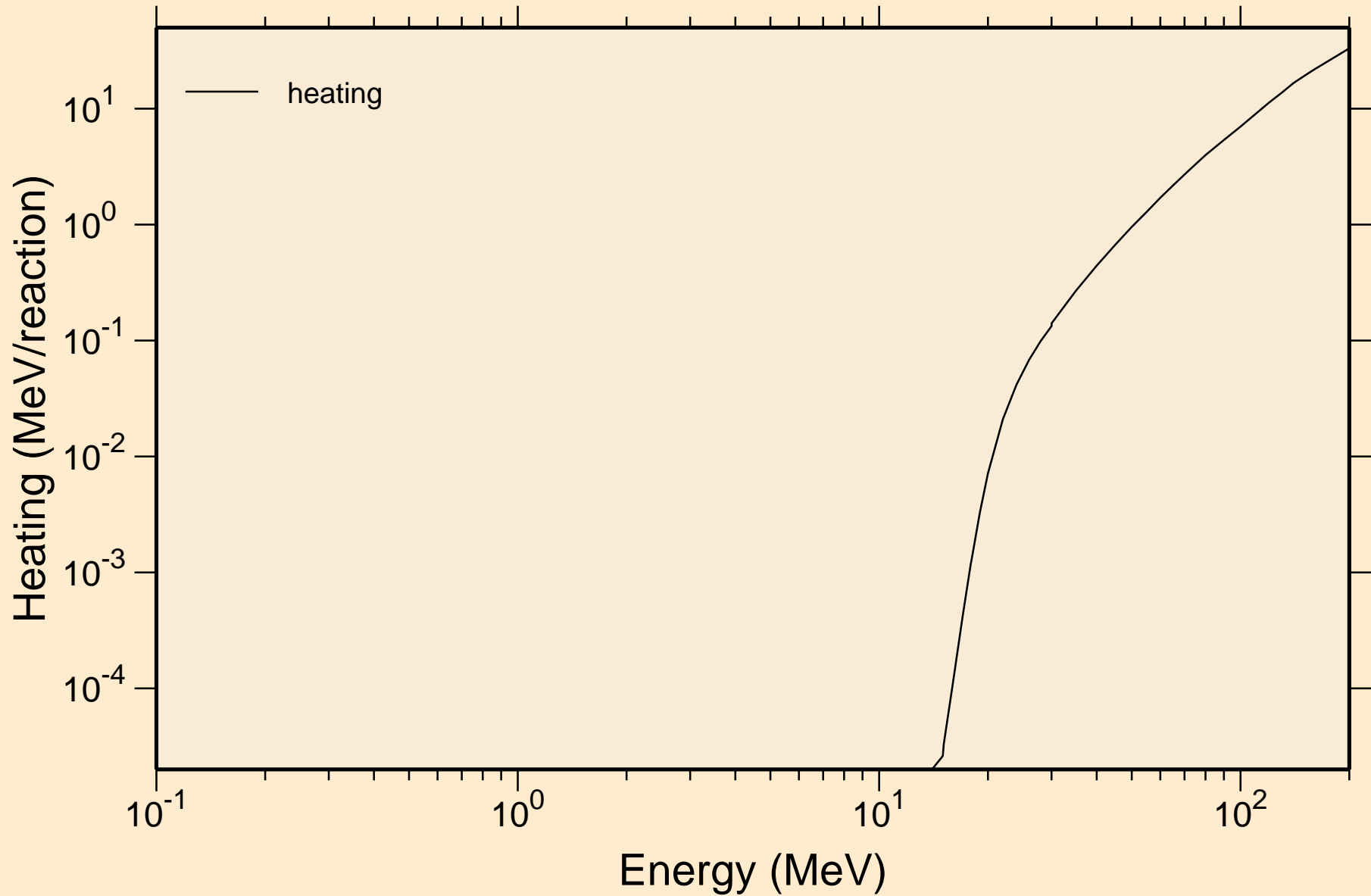


HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
Principal cross sections



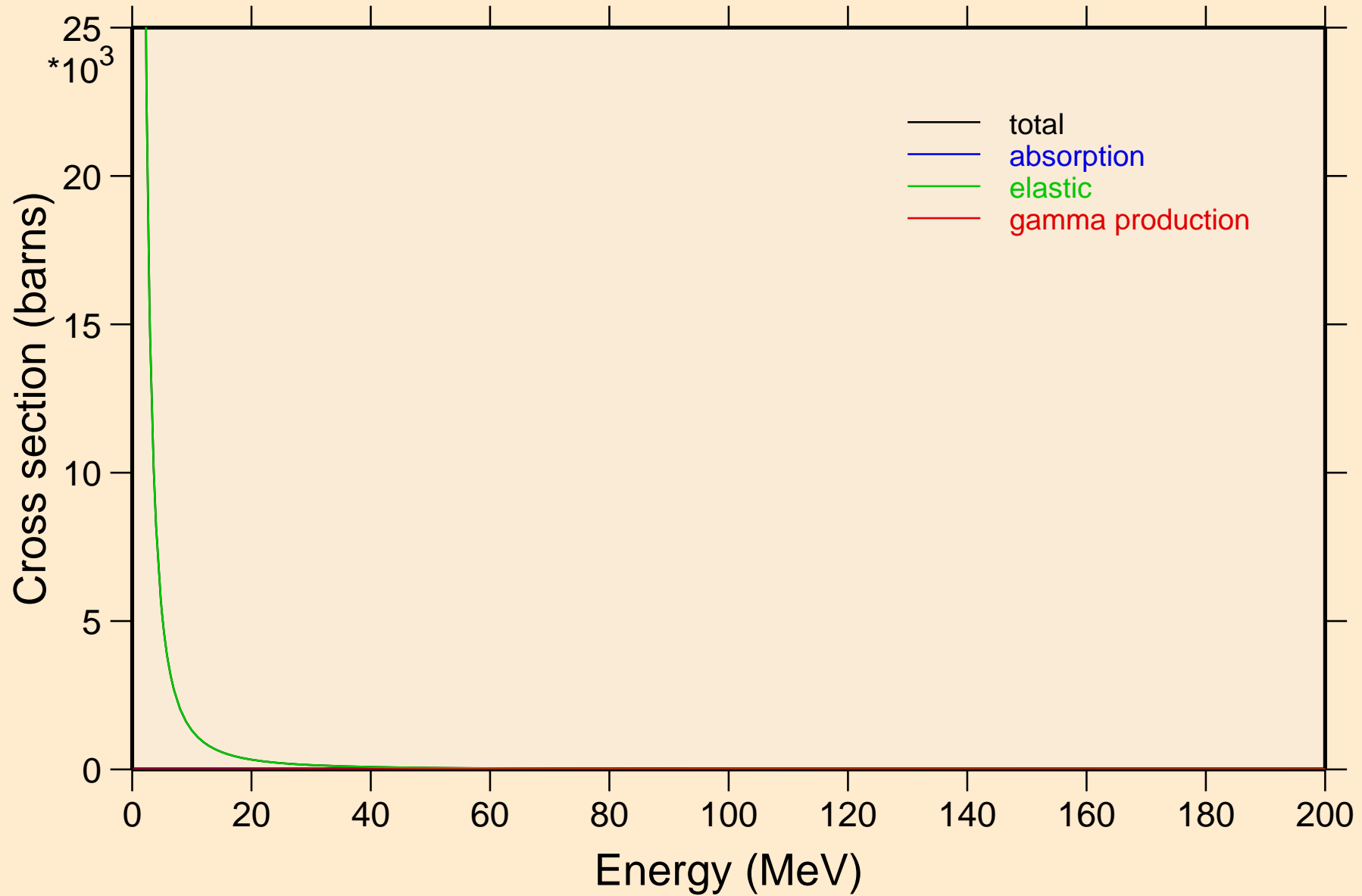
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K

Heating



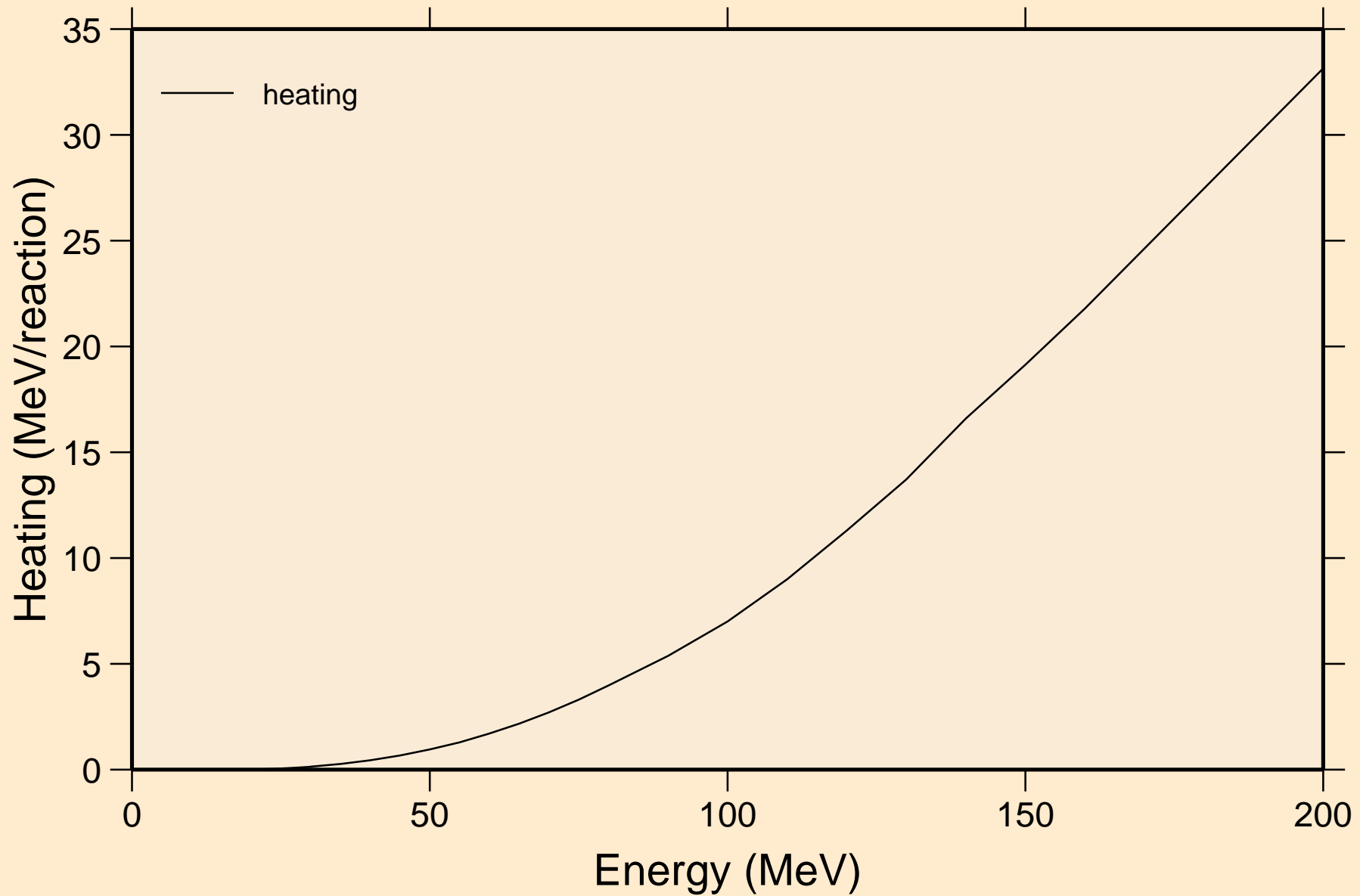
# HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



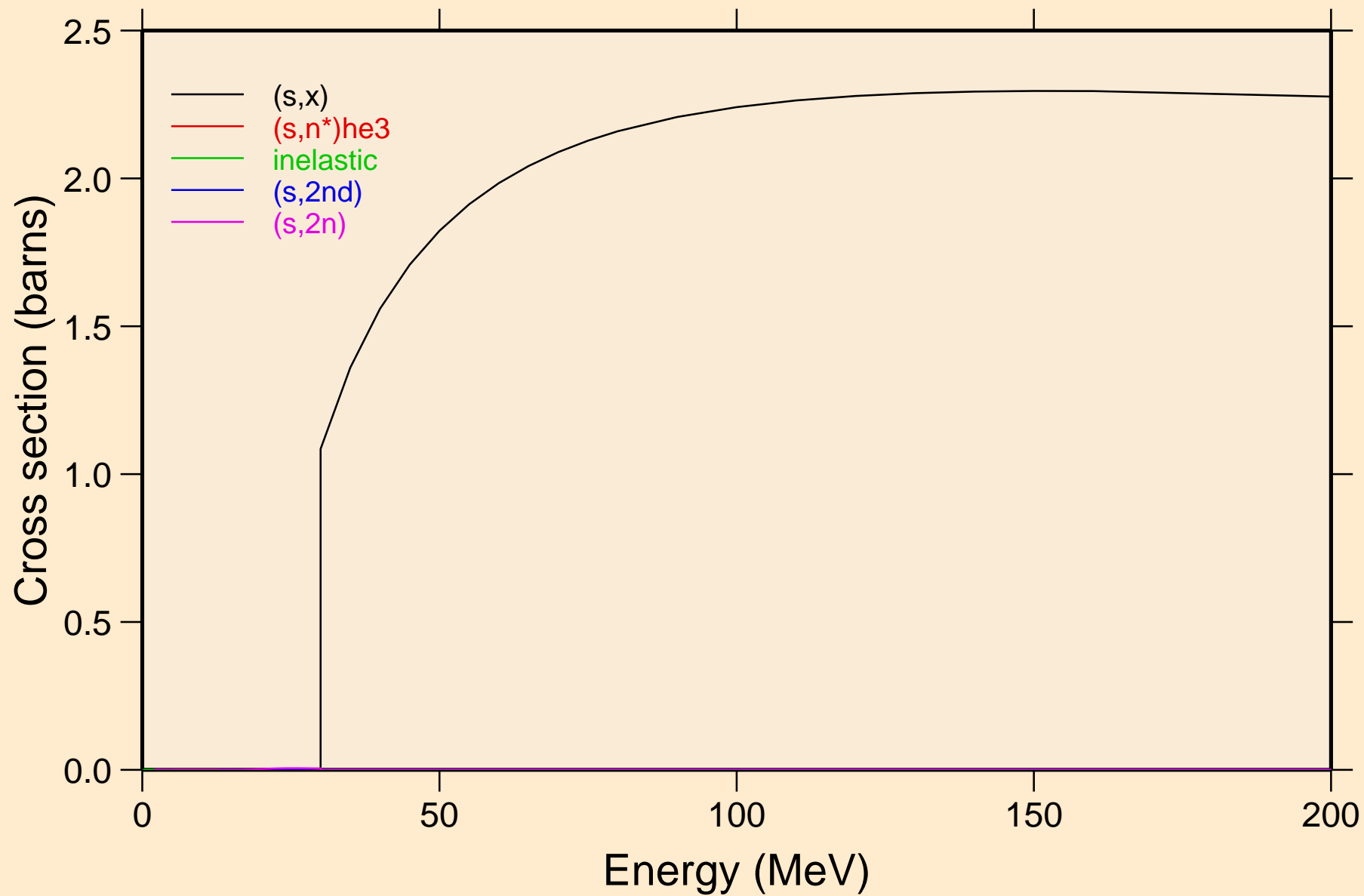
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K

Heating

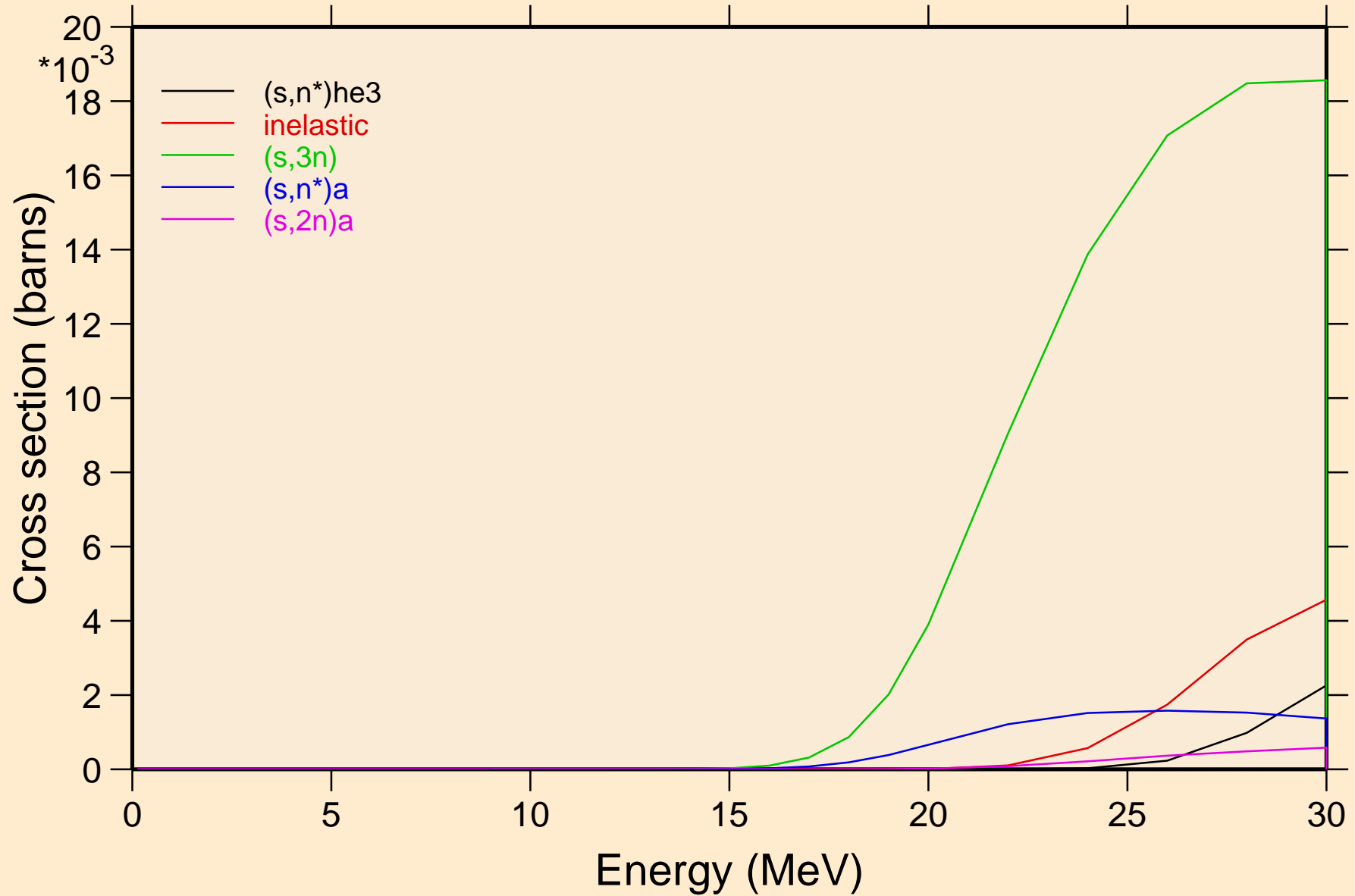


# HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K

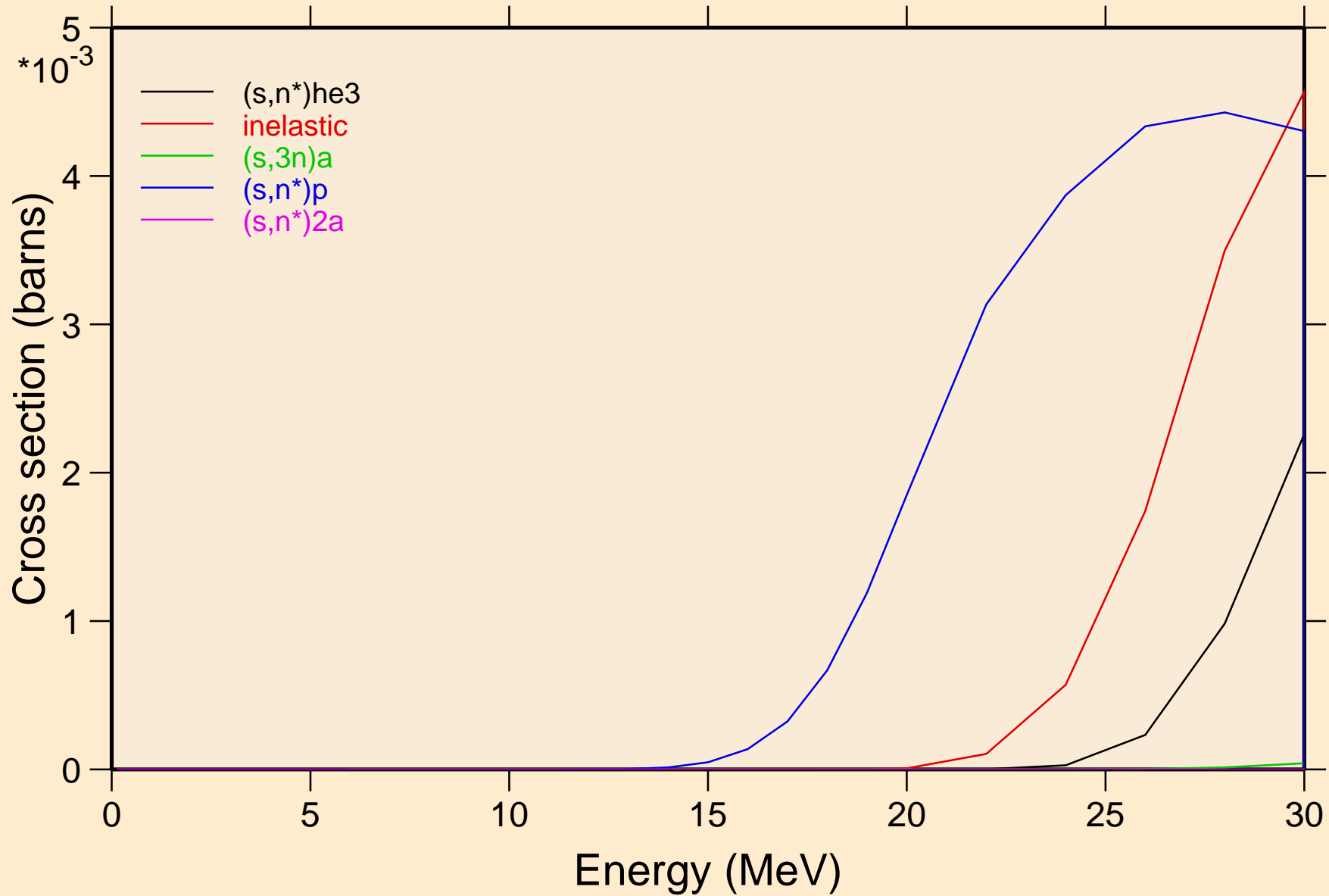
## Threshold reactions



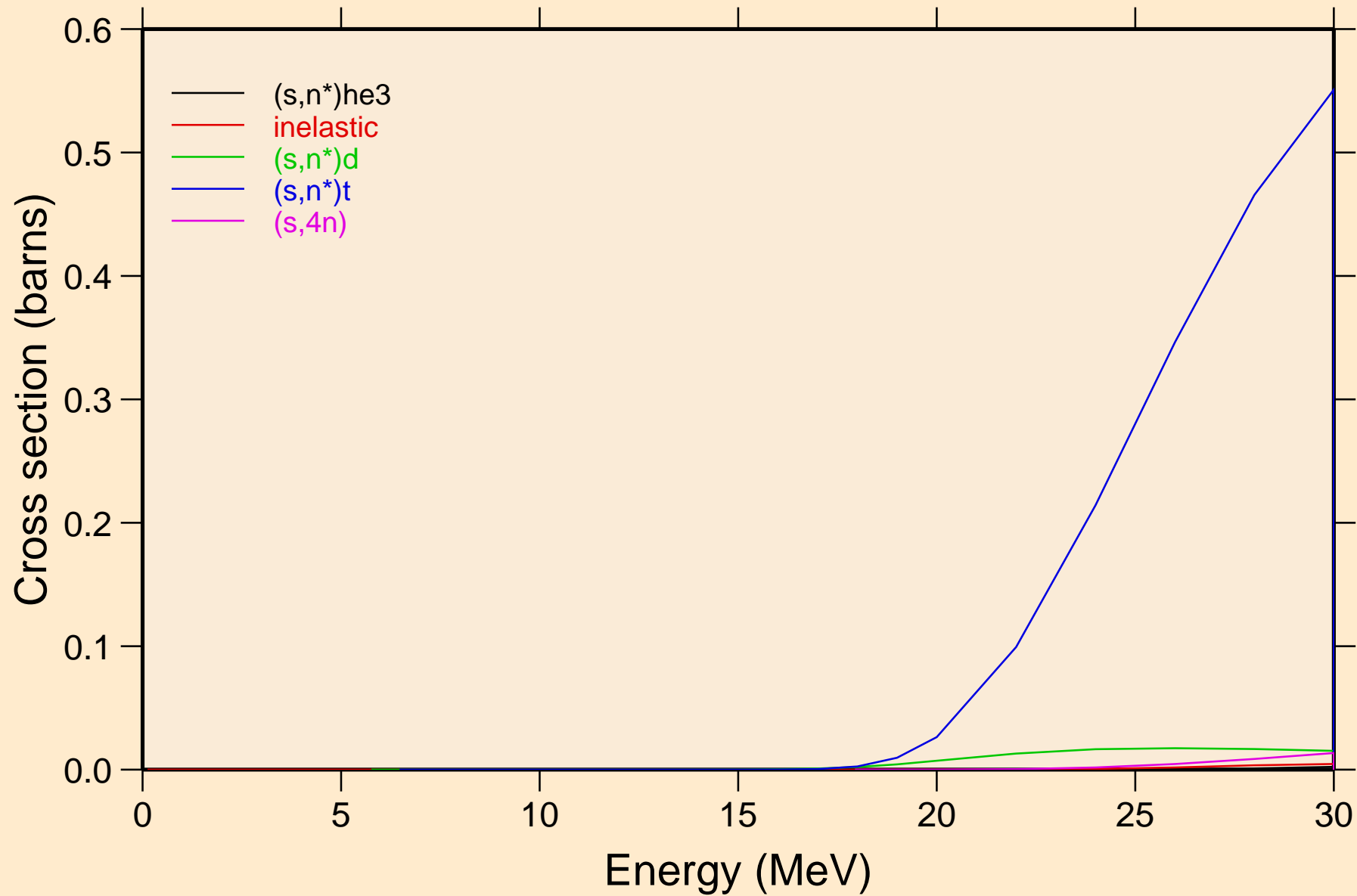
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



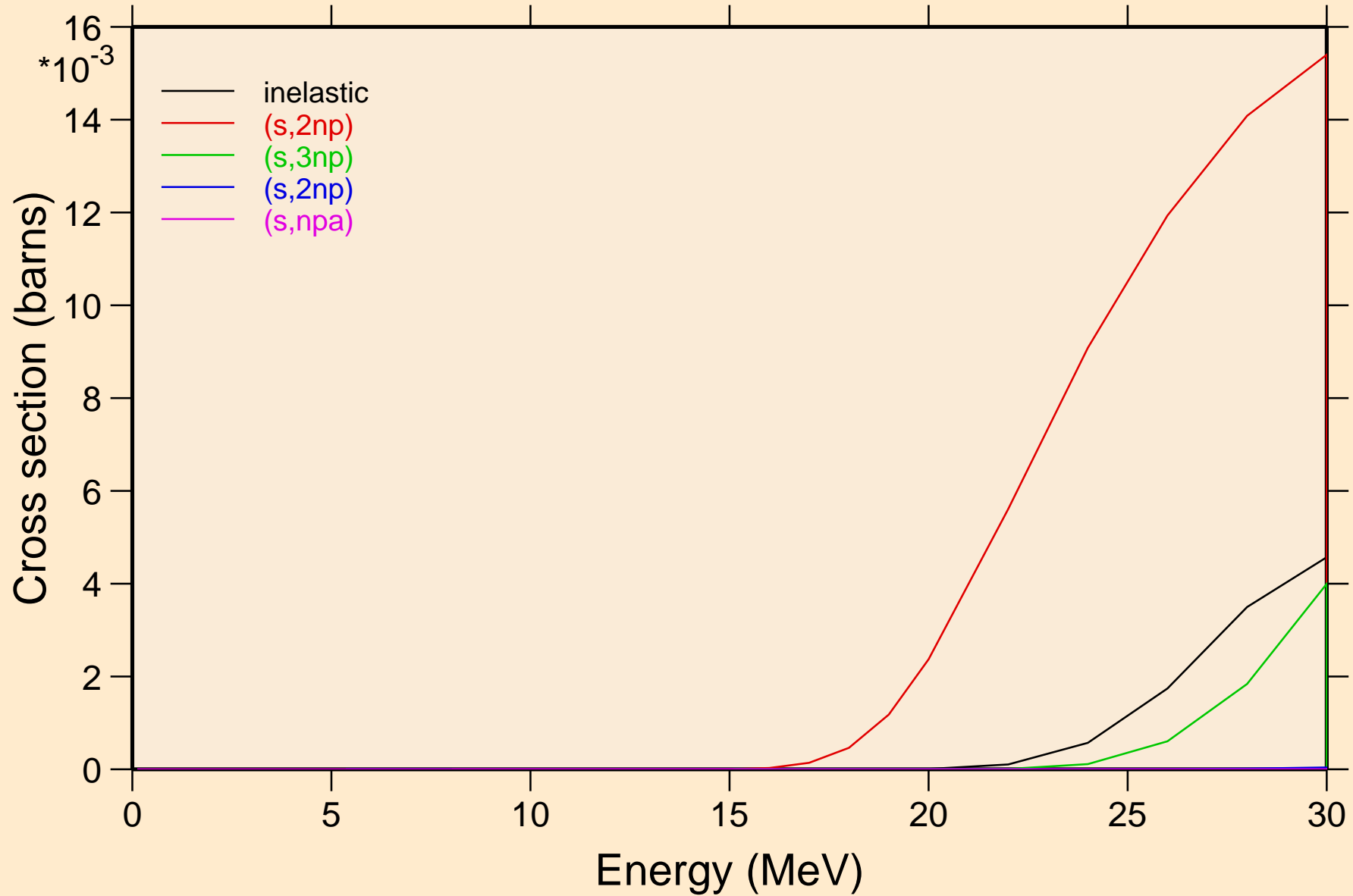
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Threshold reactions



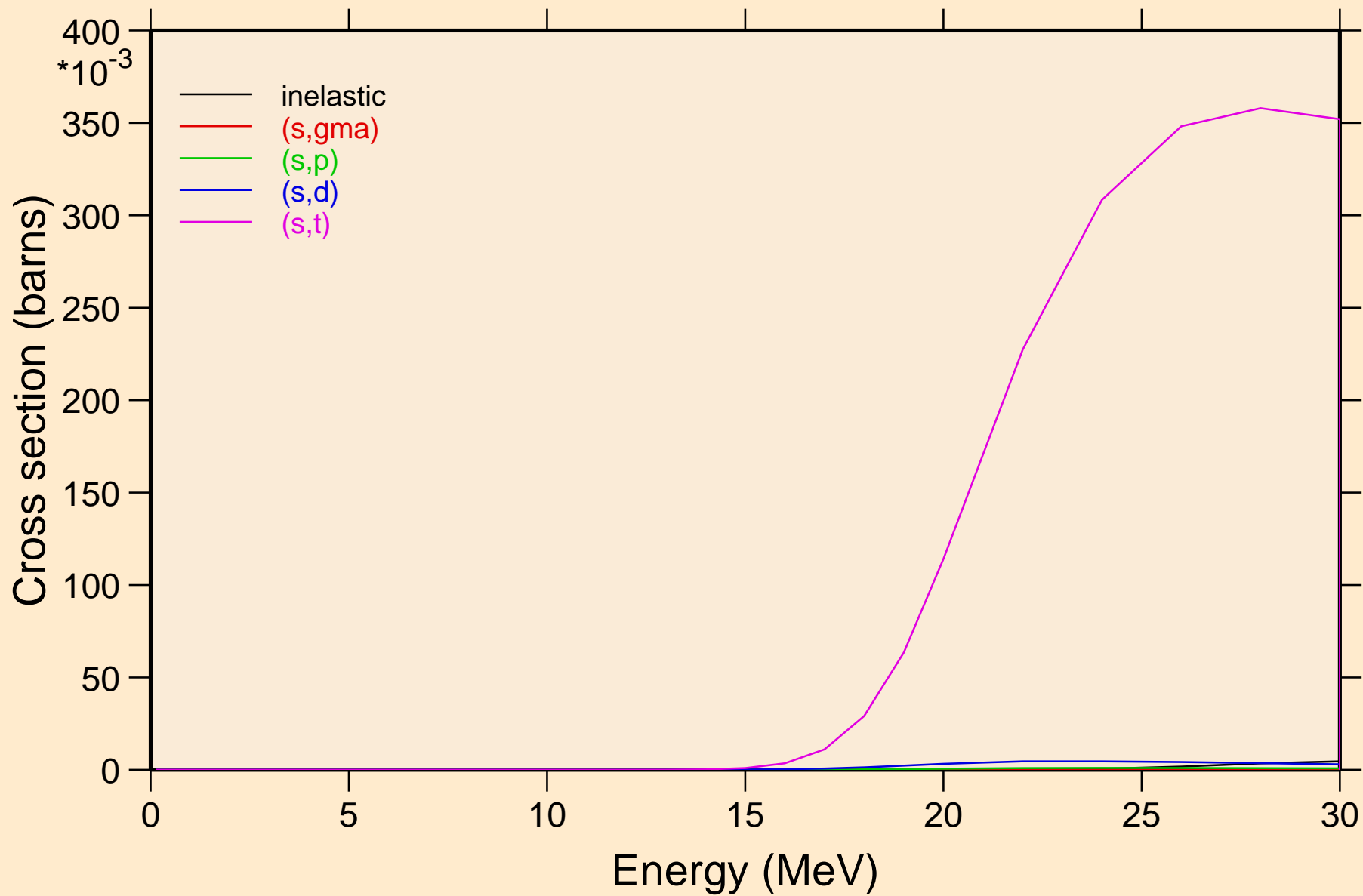


# HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K

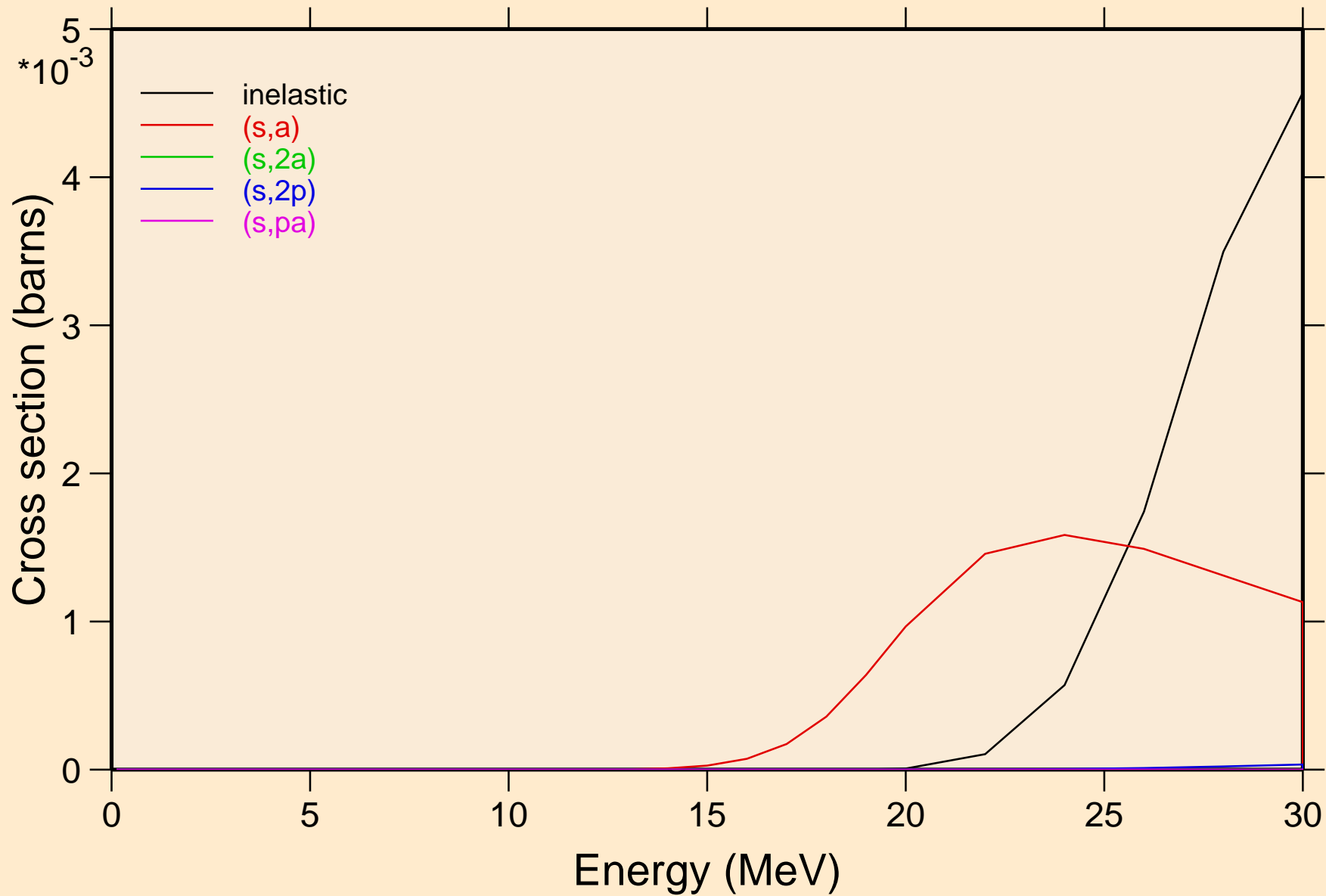
## Threshold reactions



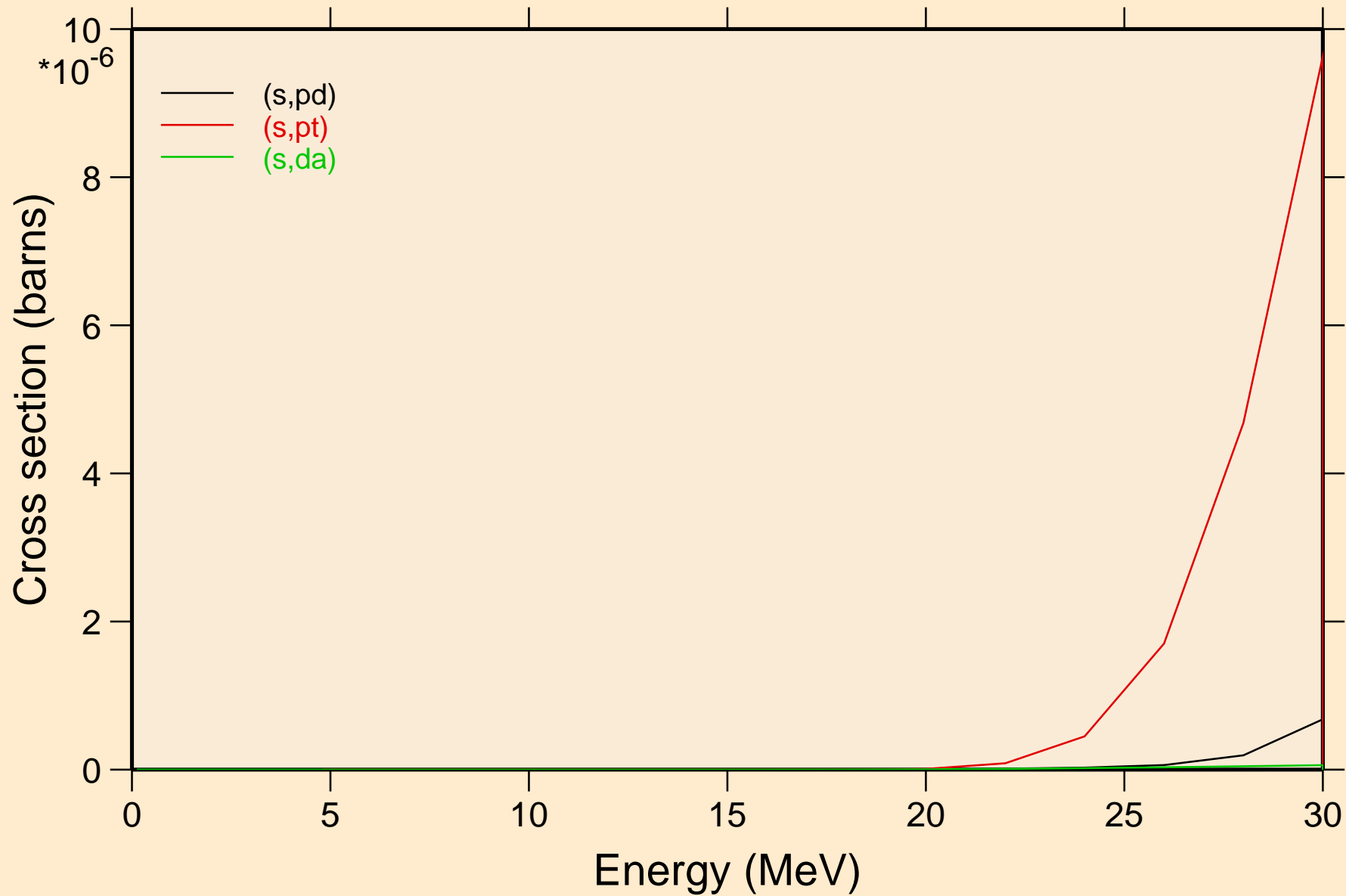
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



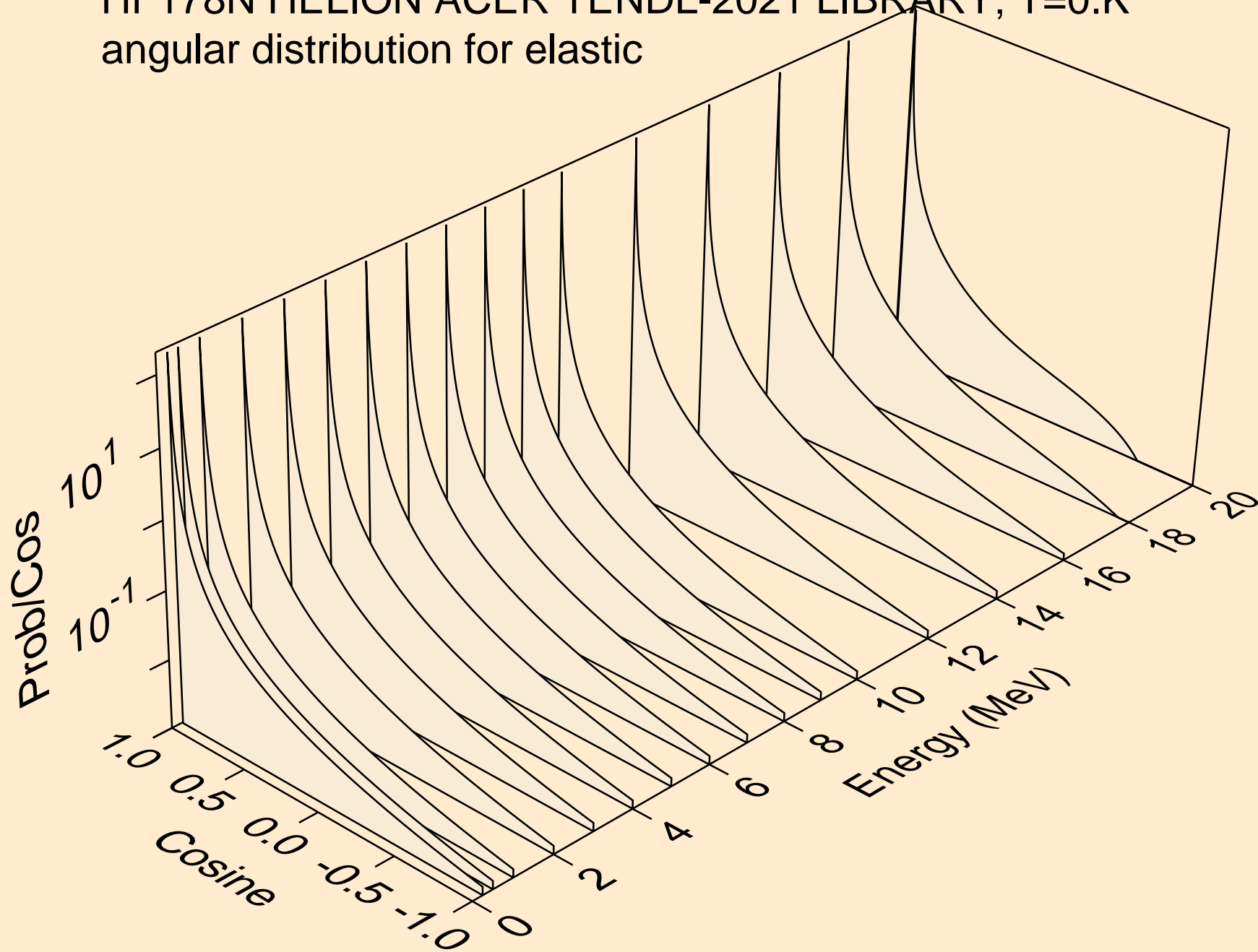
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Threshold reactions



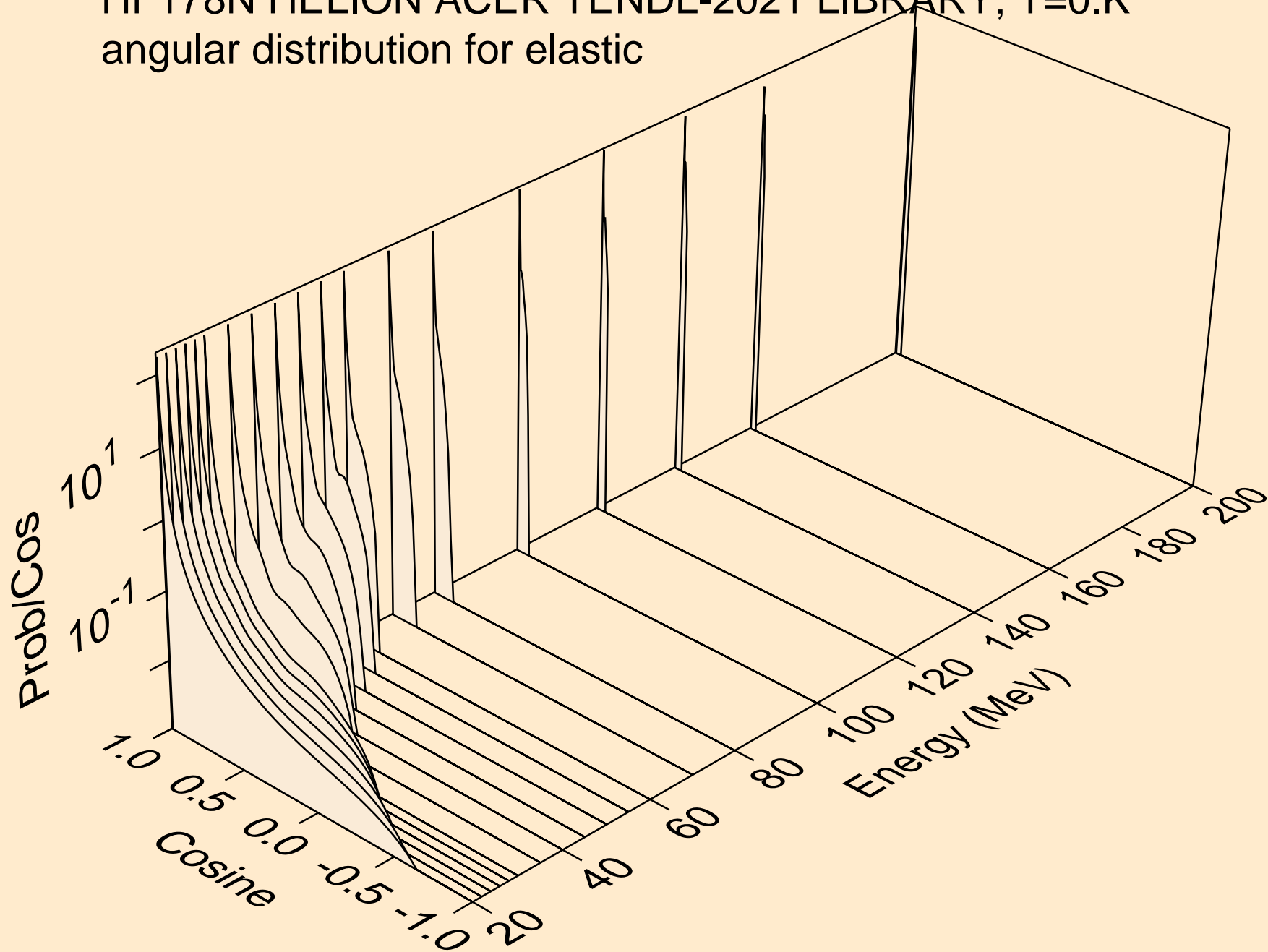
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



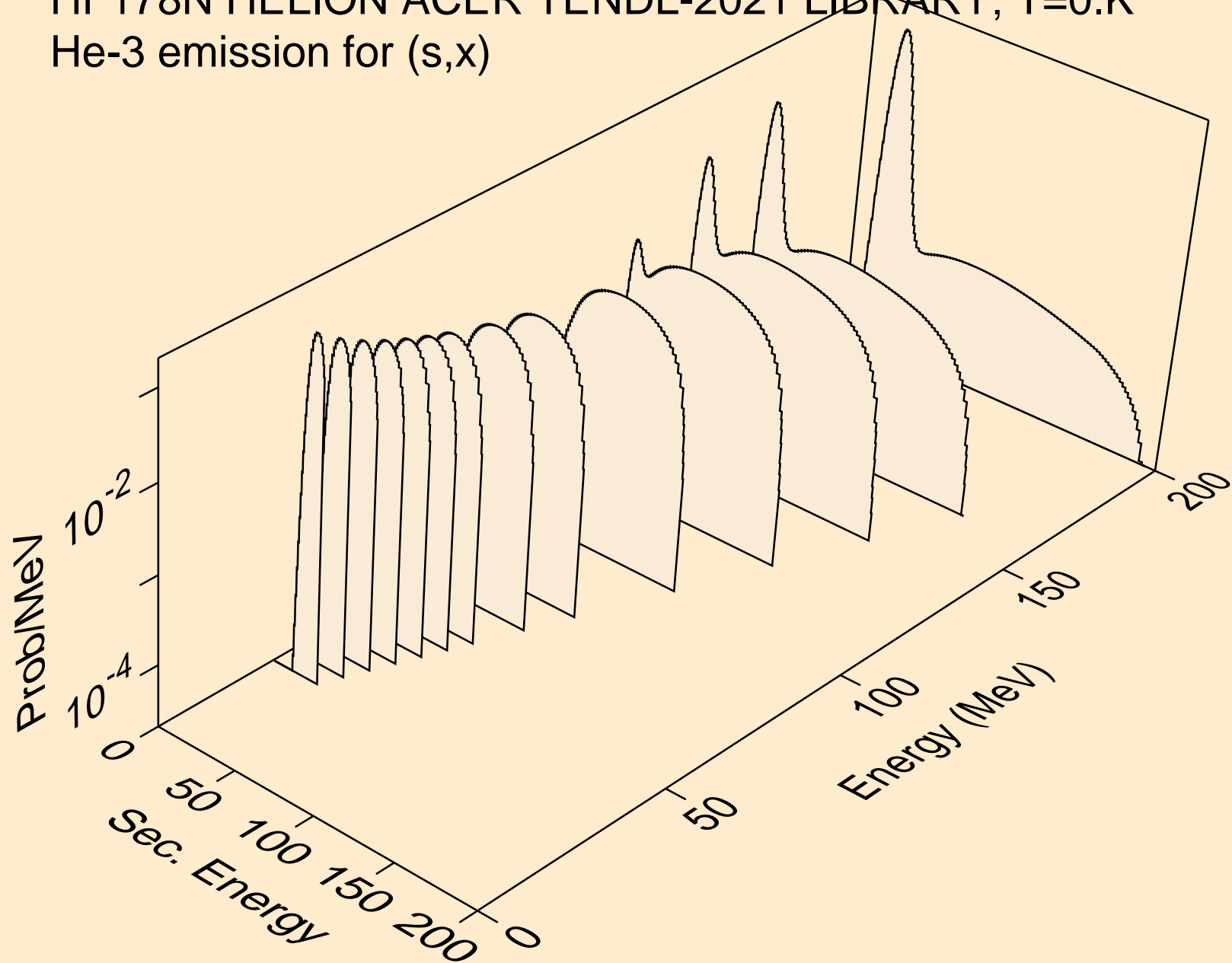
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



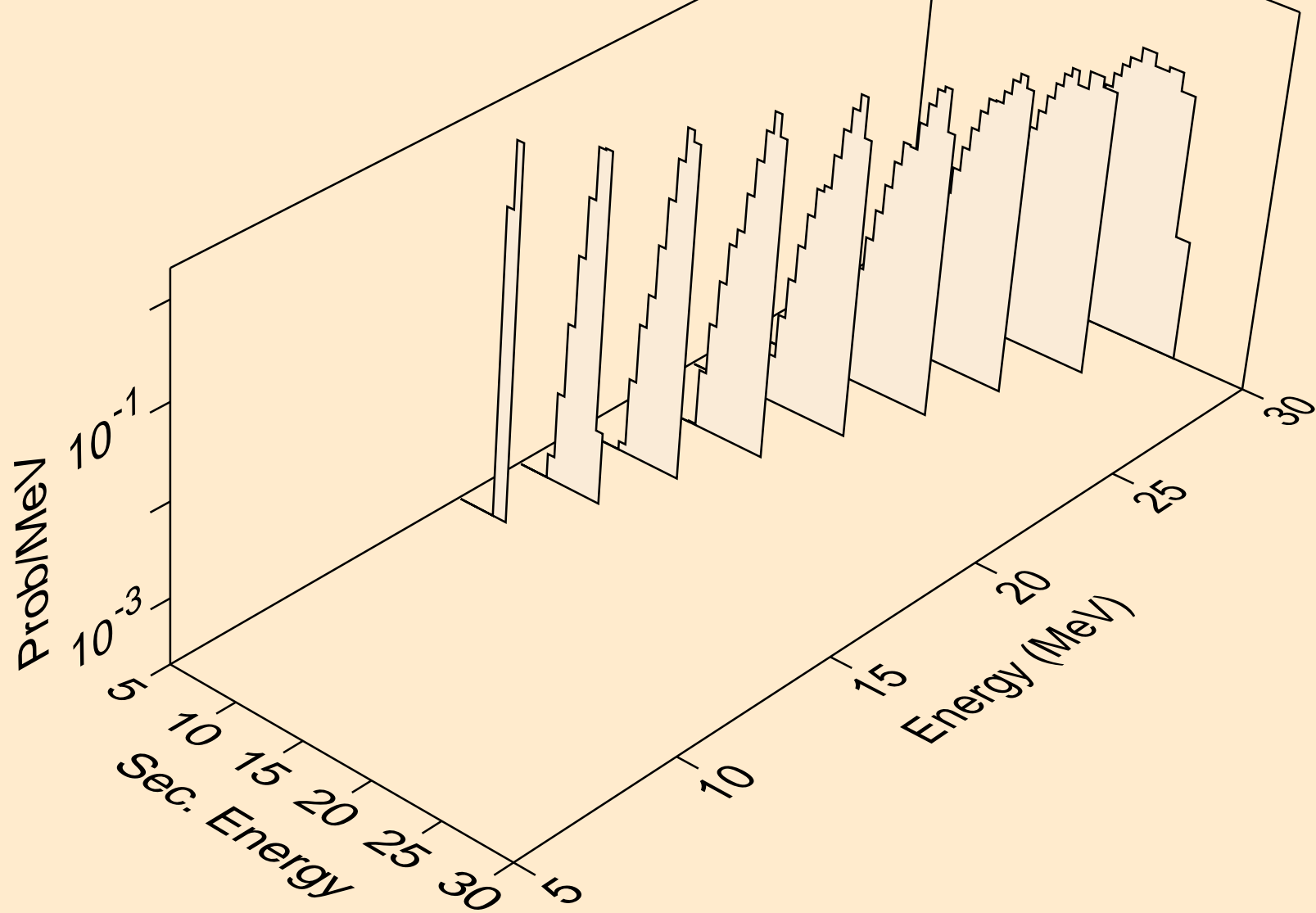
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,x)

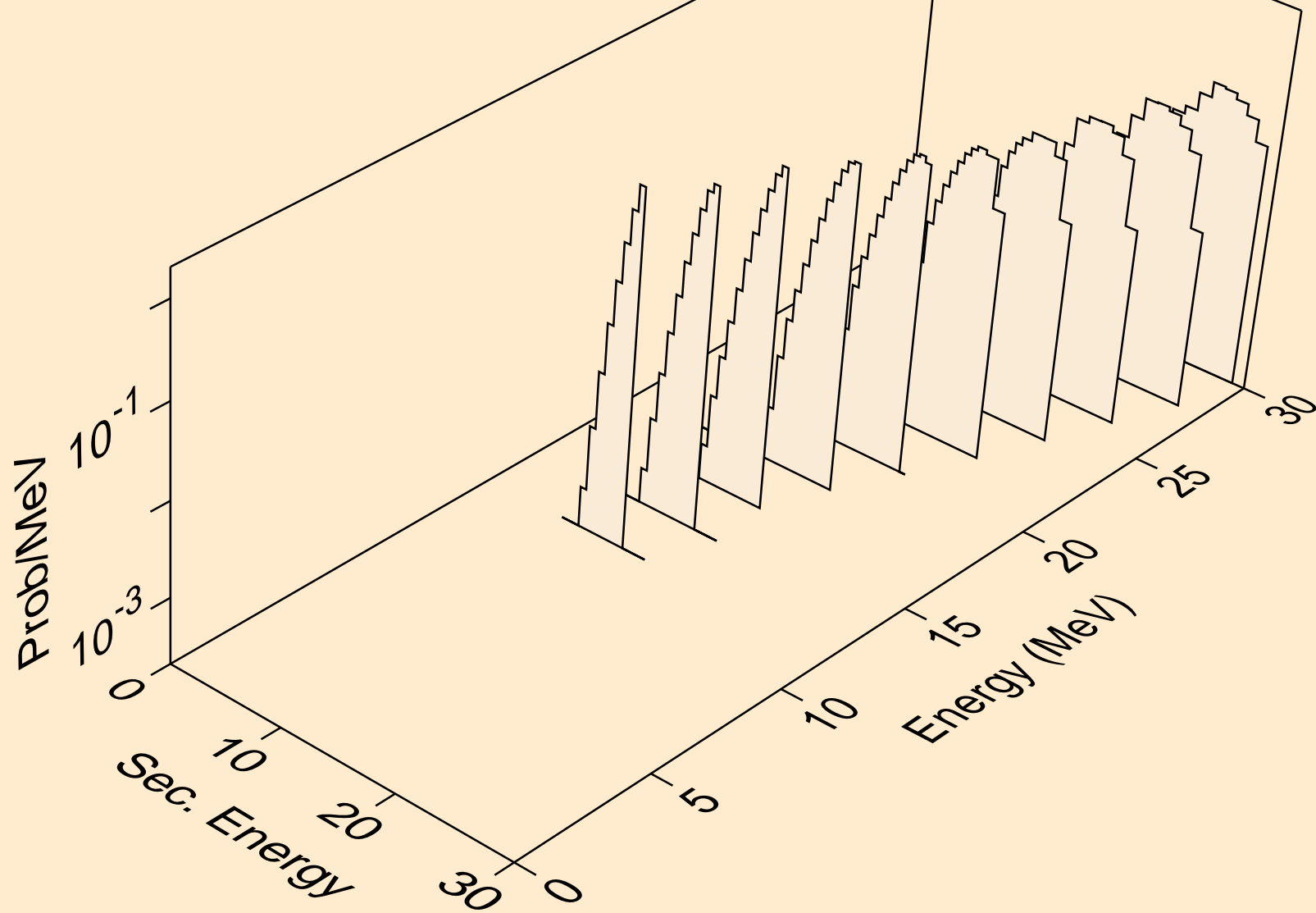


HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

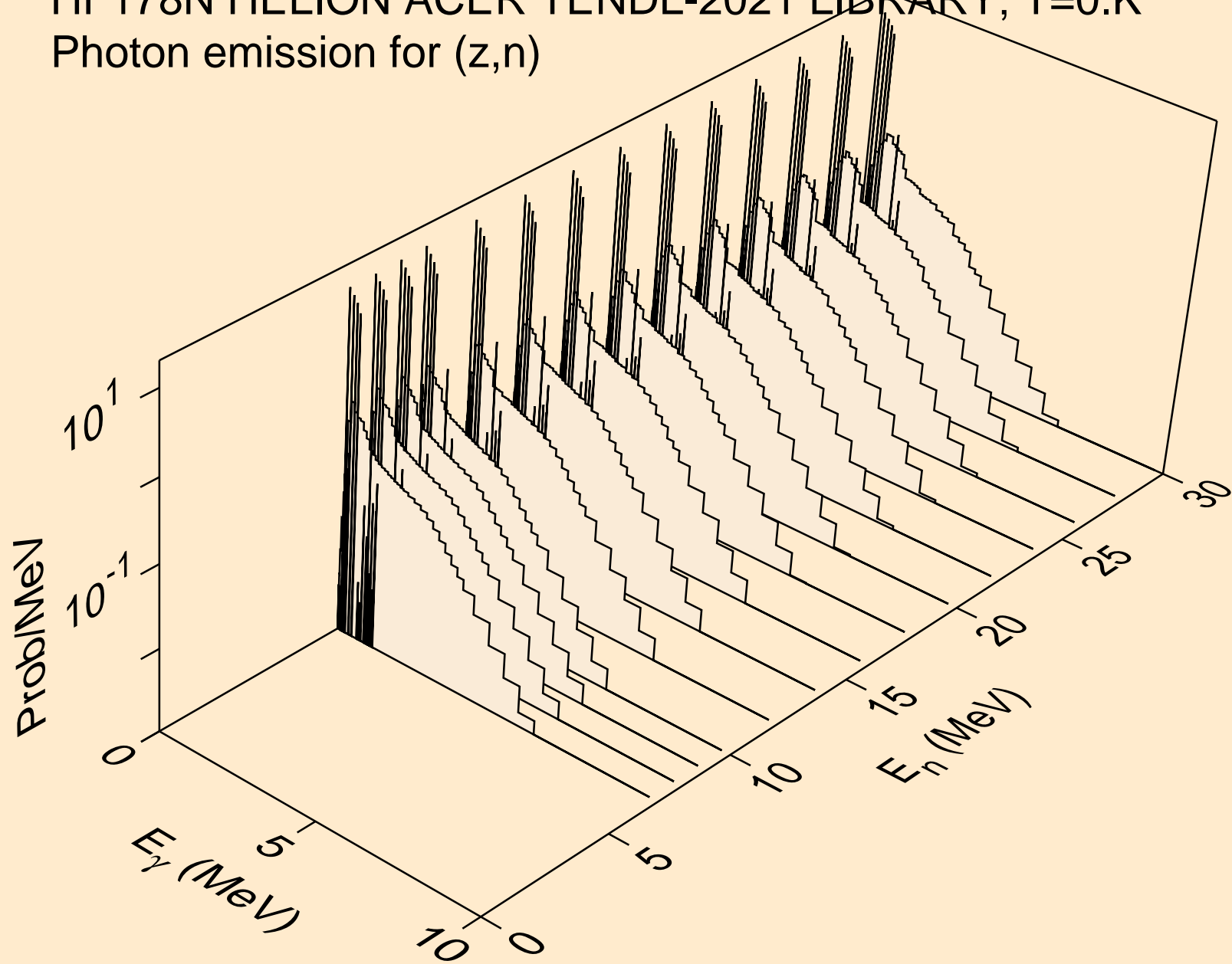




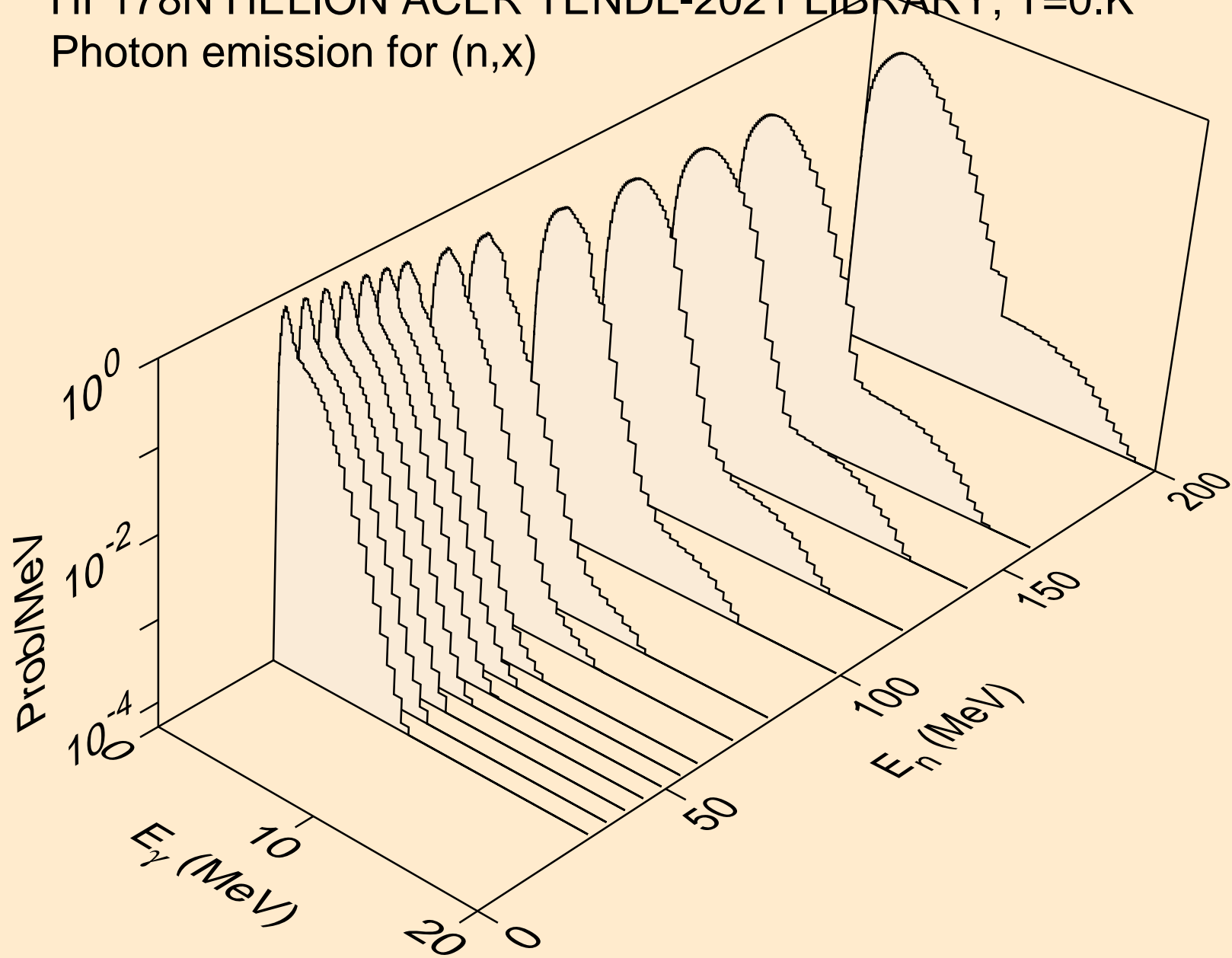
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for inelastic



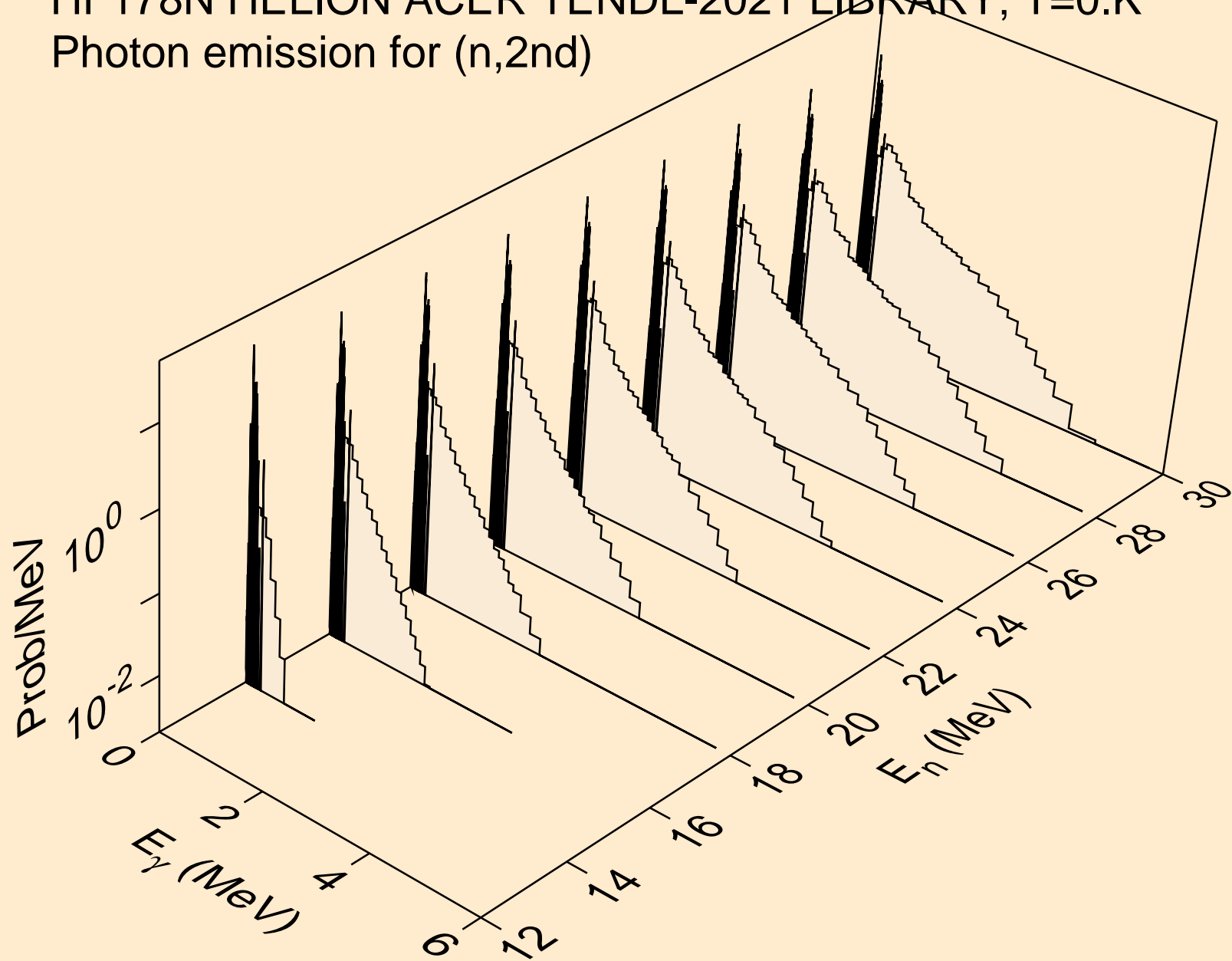
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)



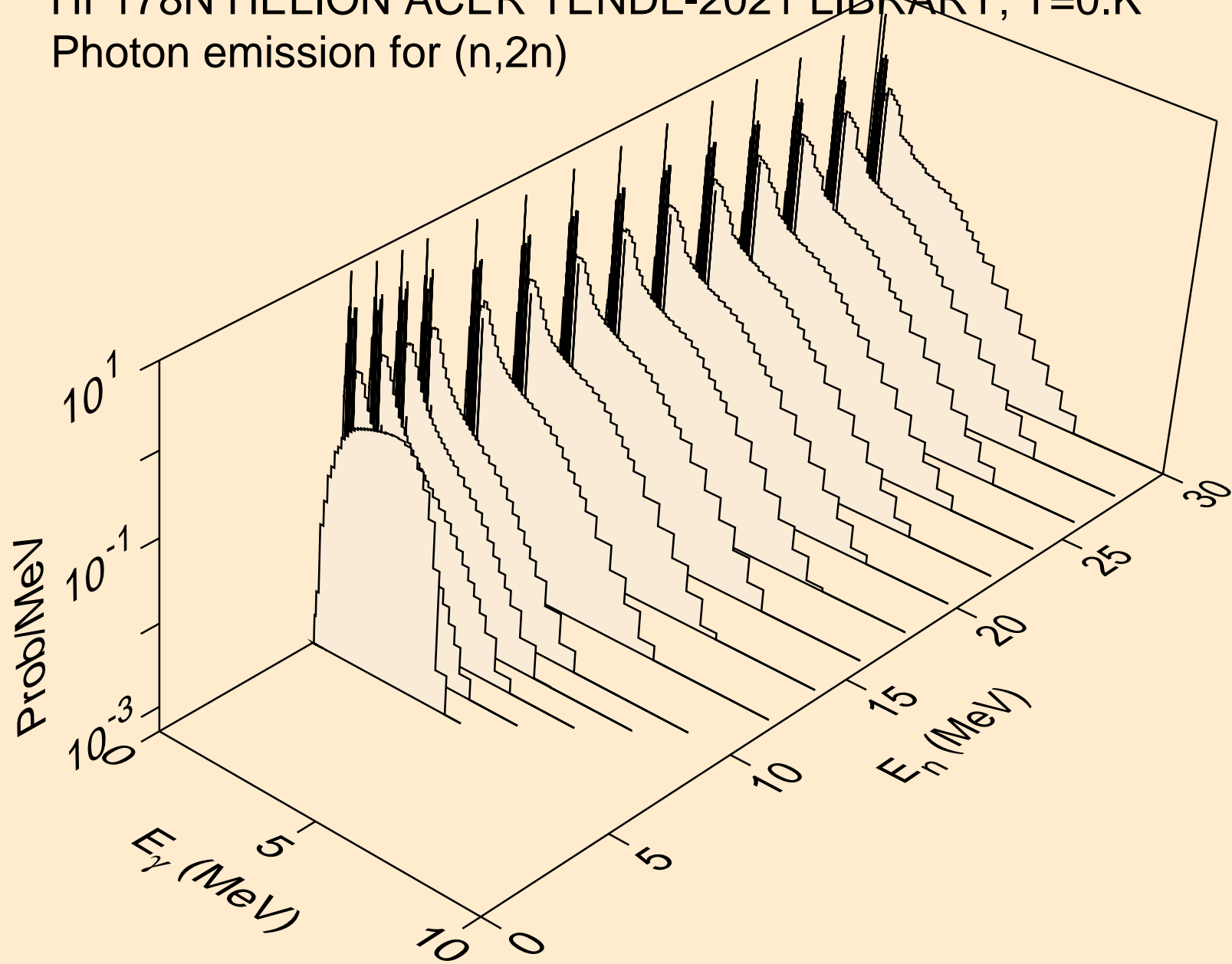
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



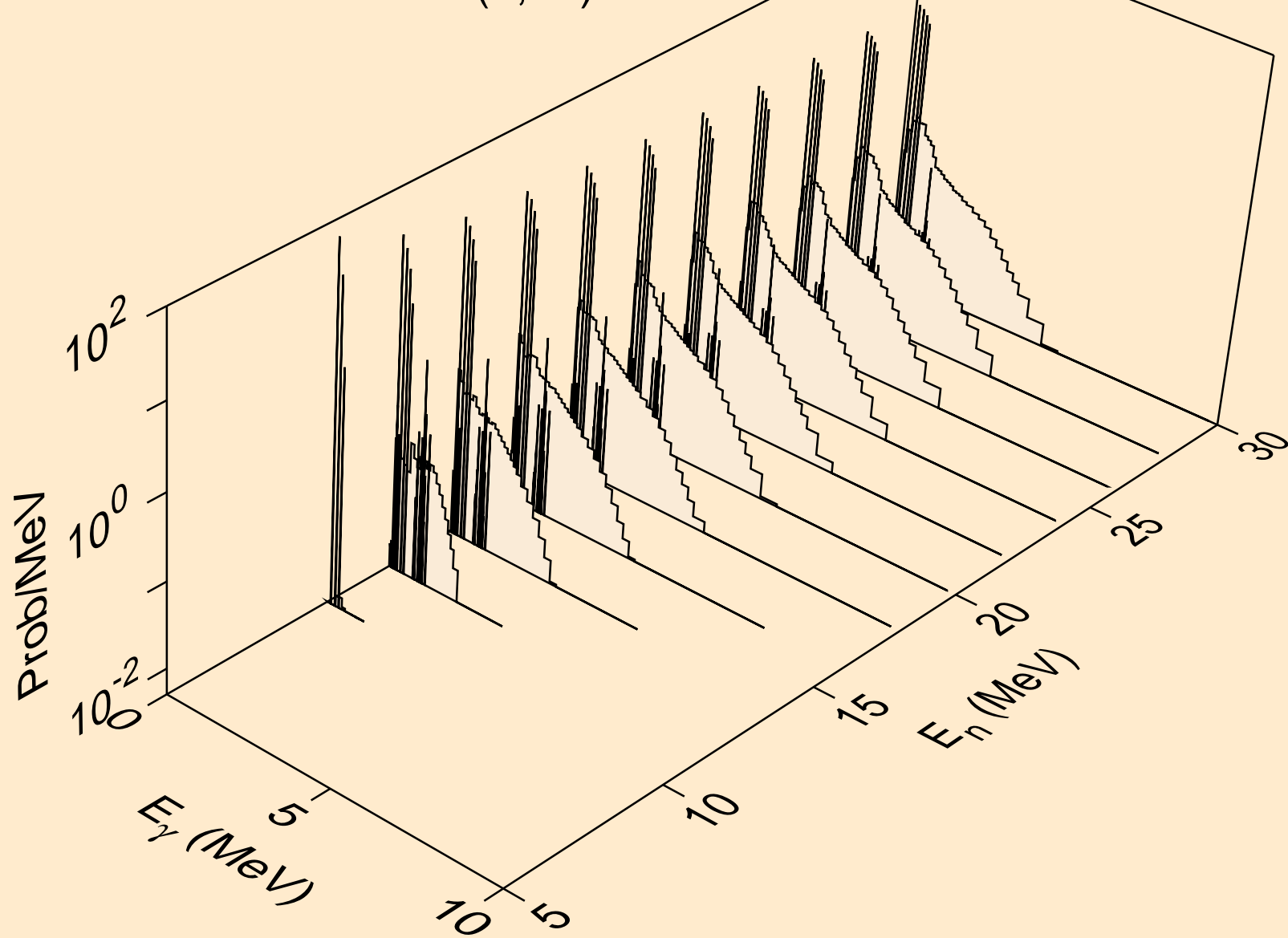
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2nd)



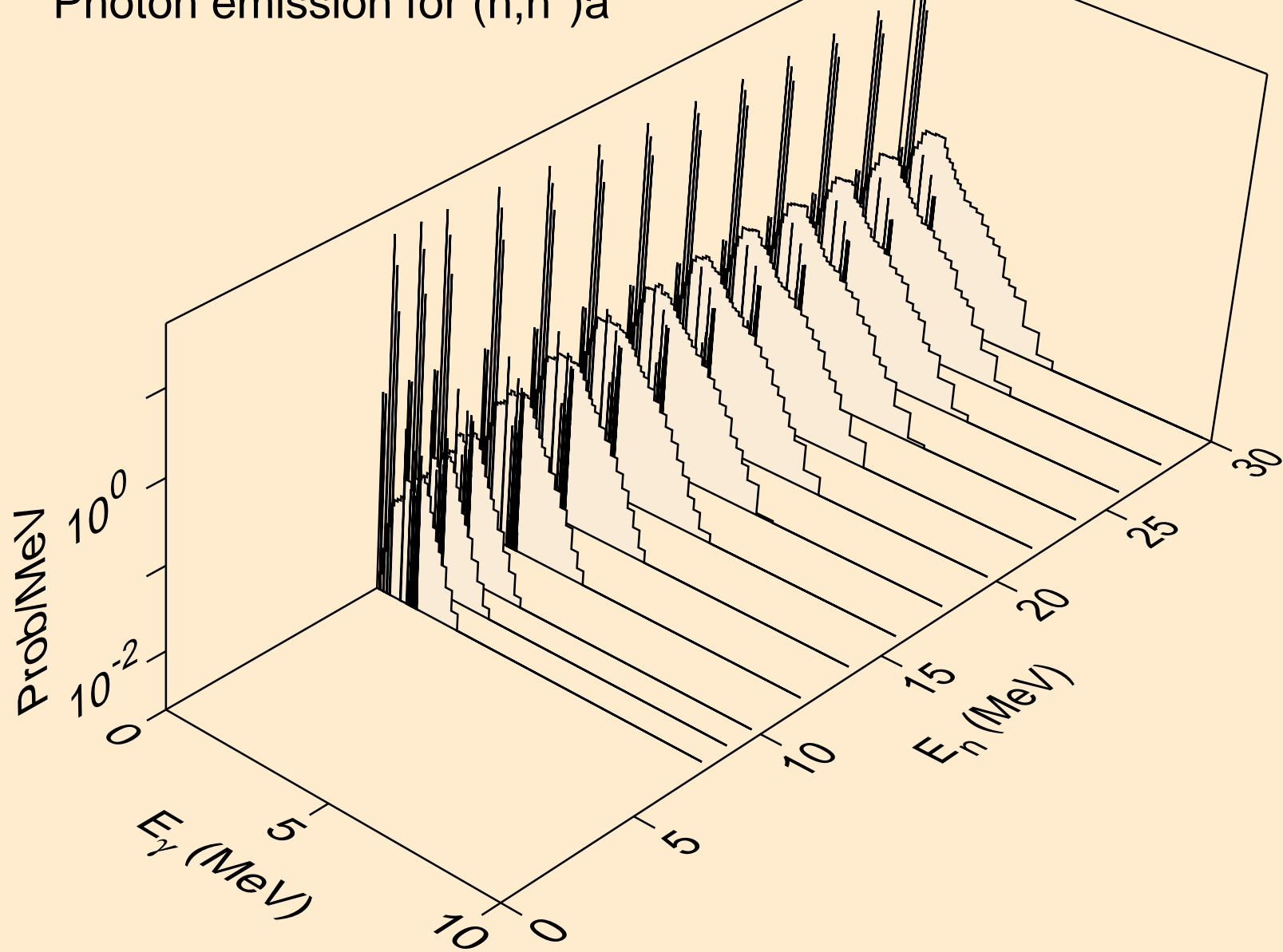
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)



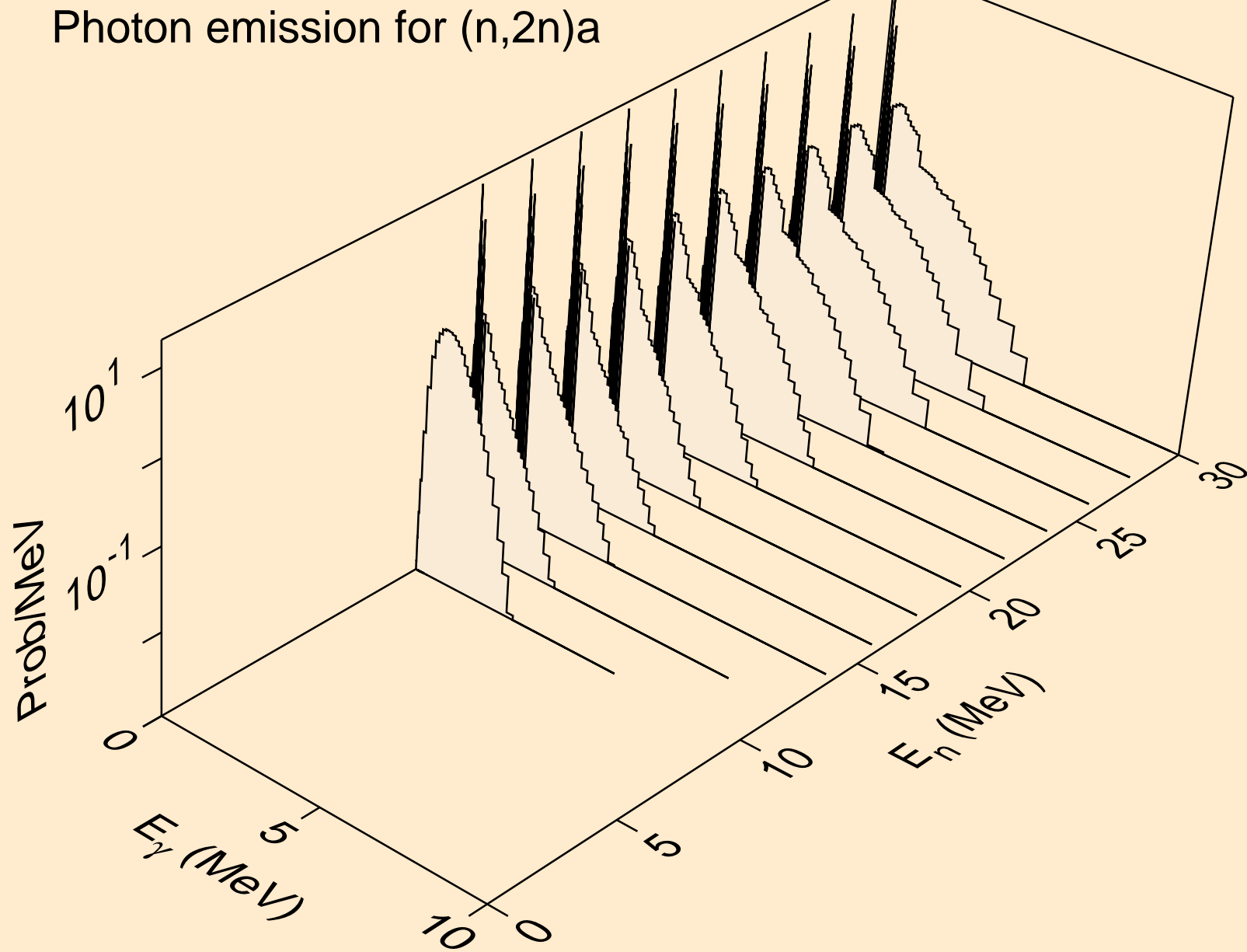
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)



HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

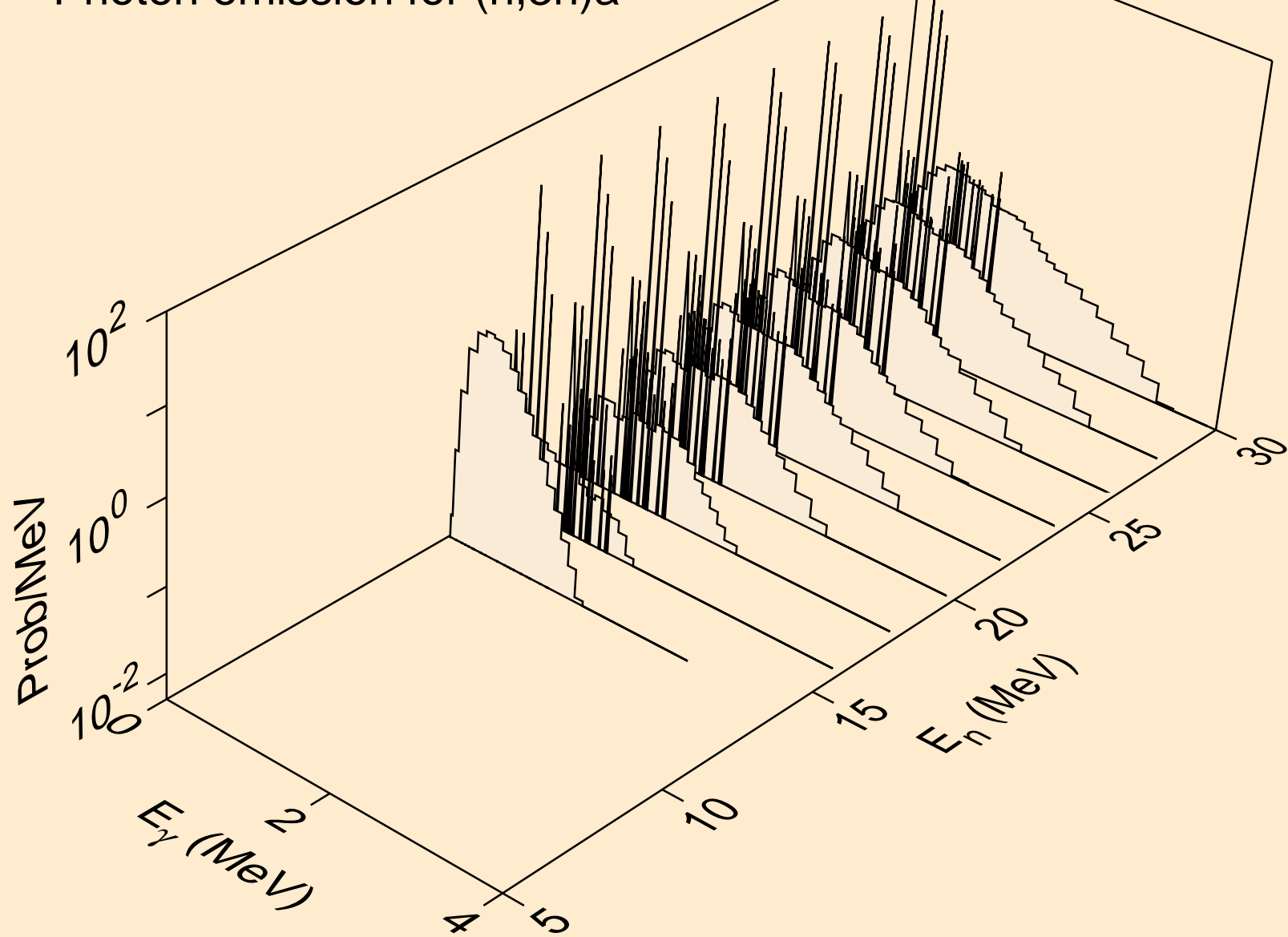


HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)a

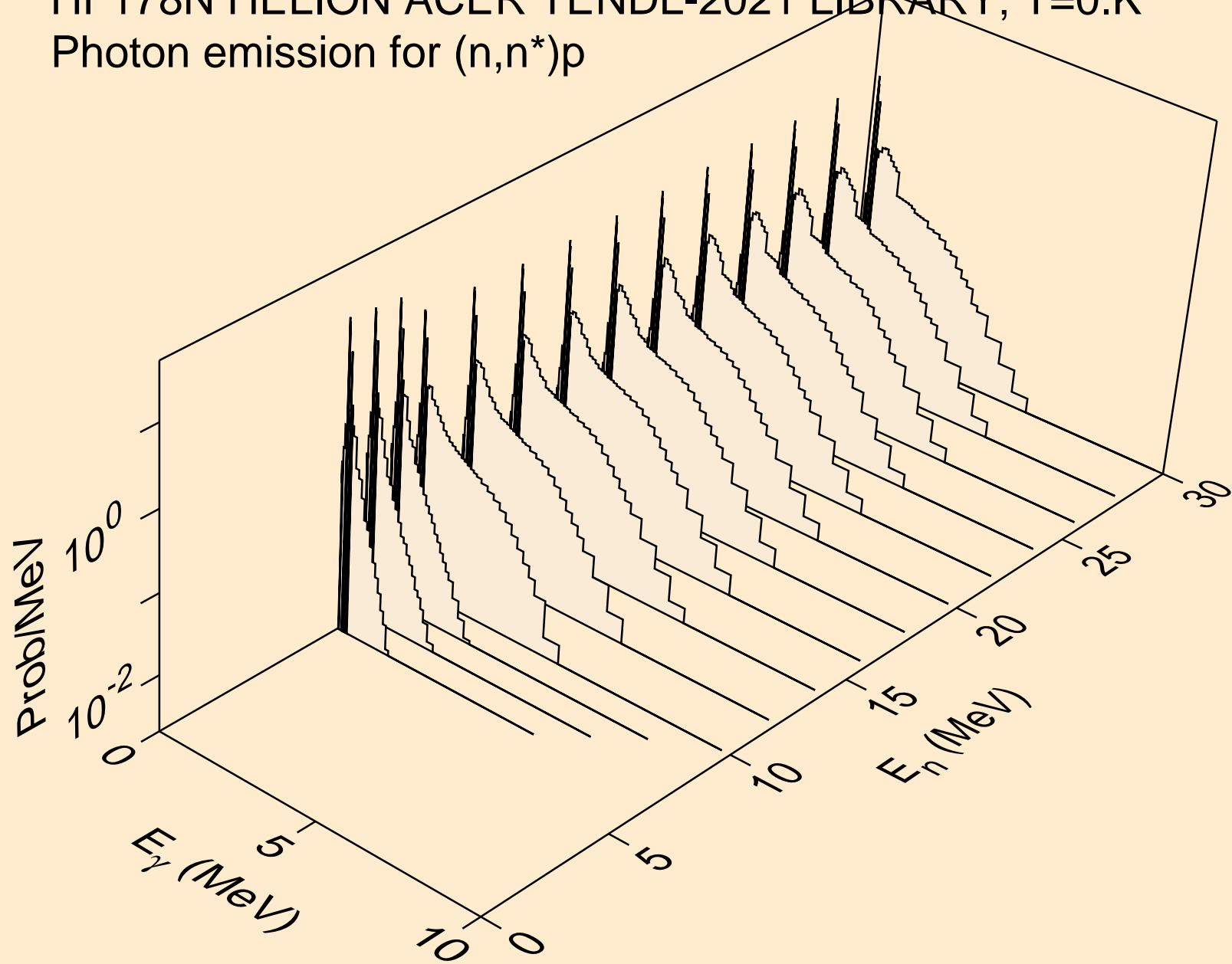




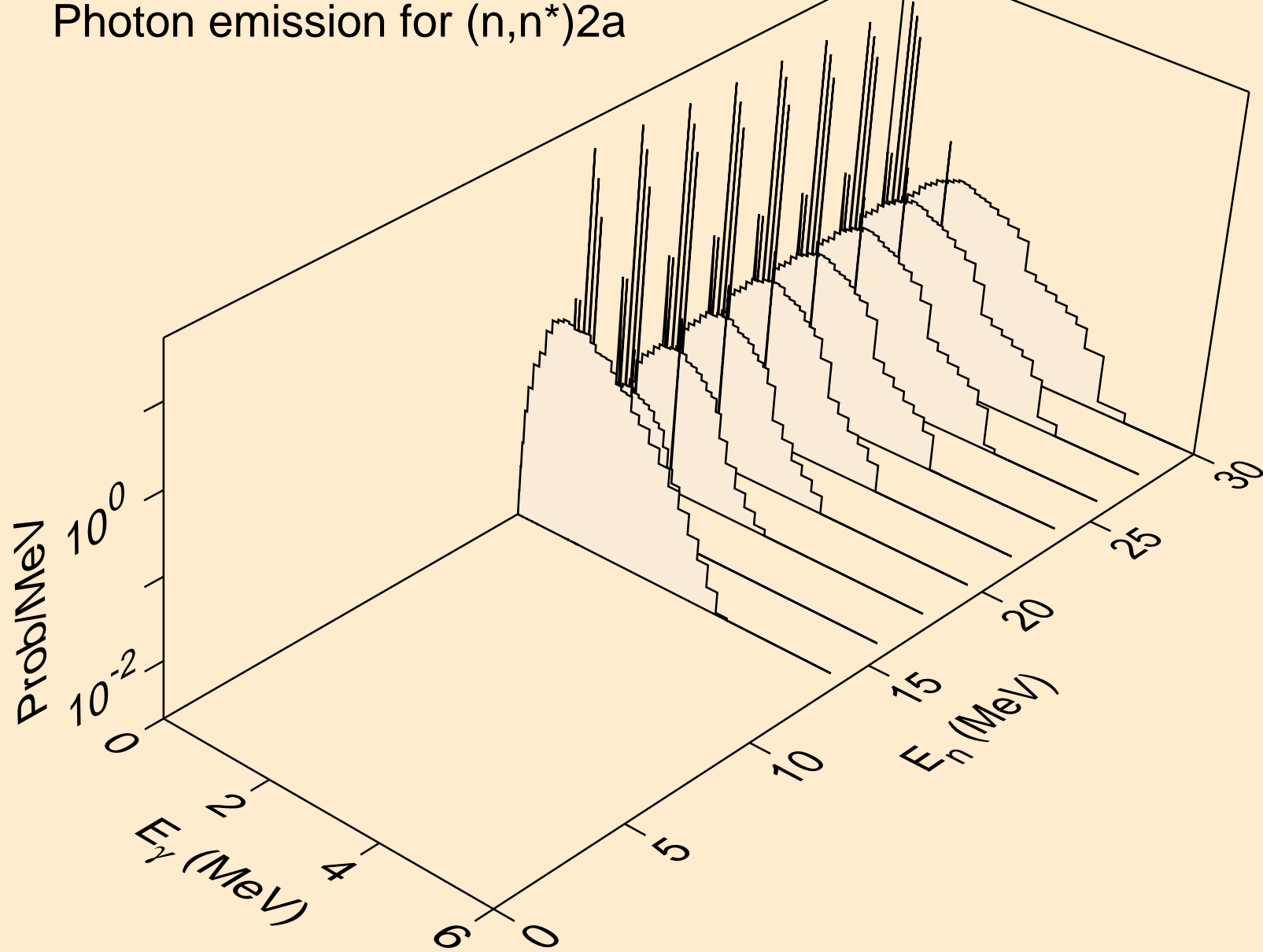
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)a



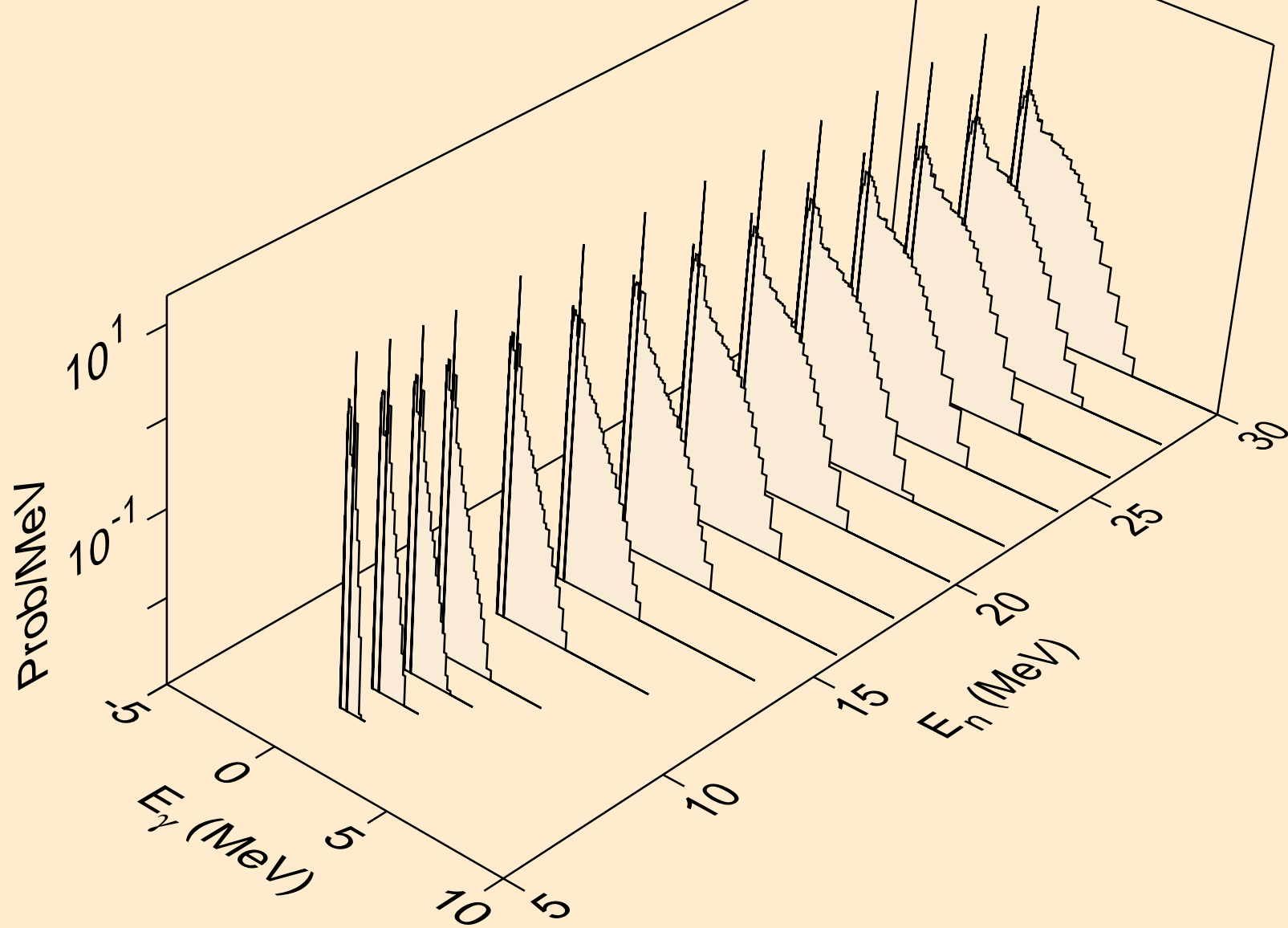
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



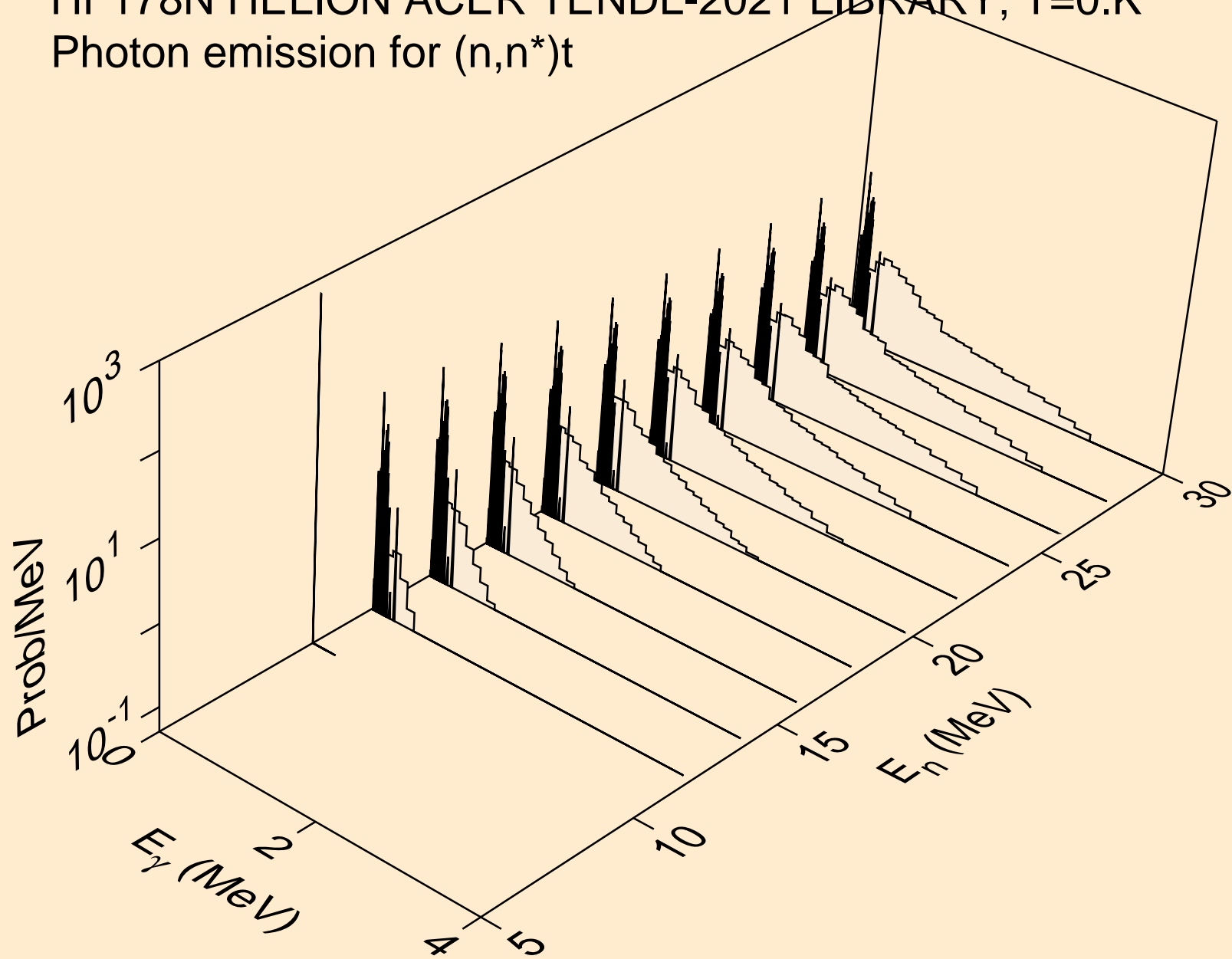
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



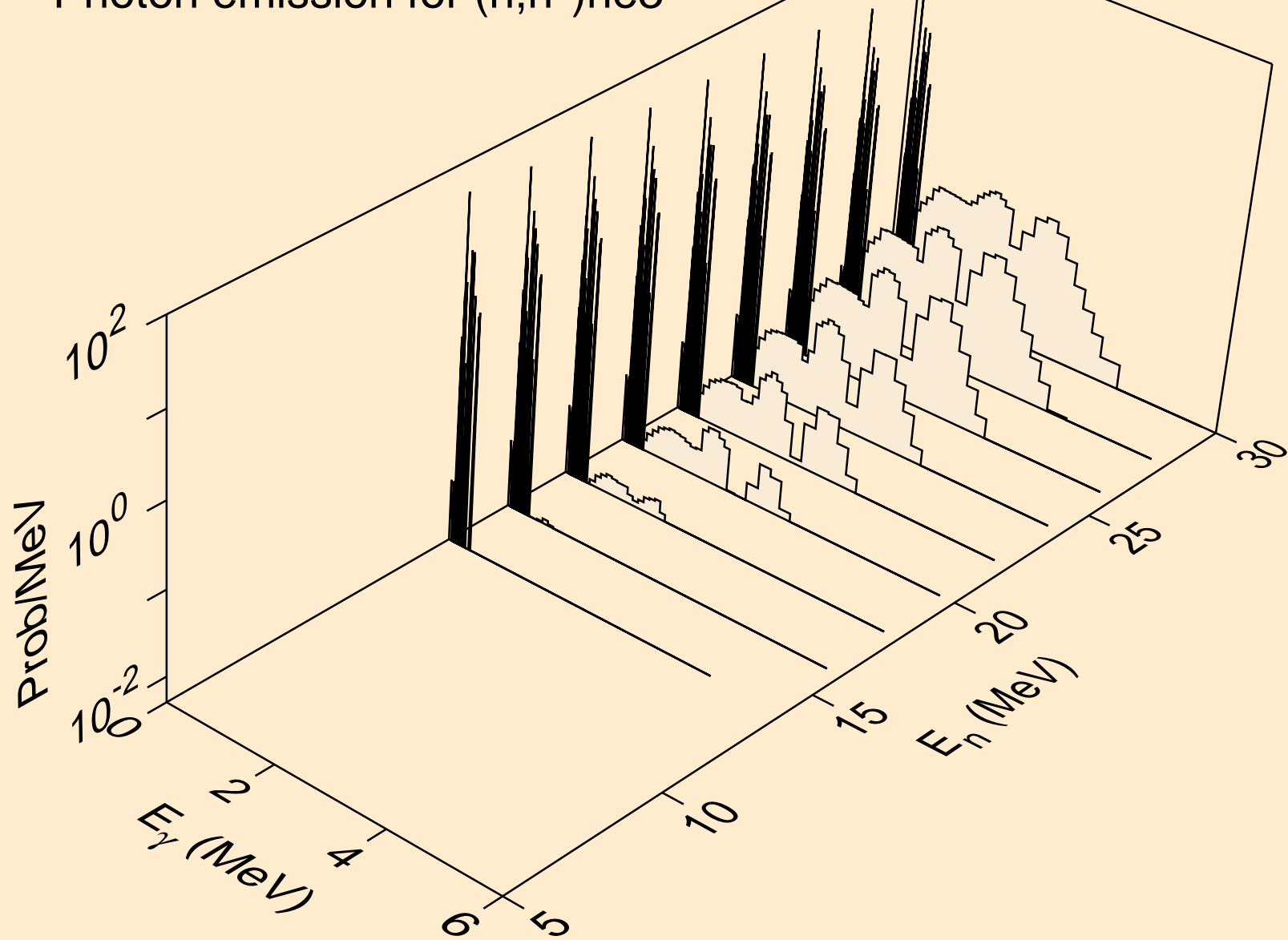
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



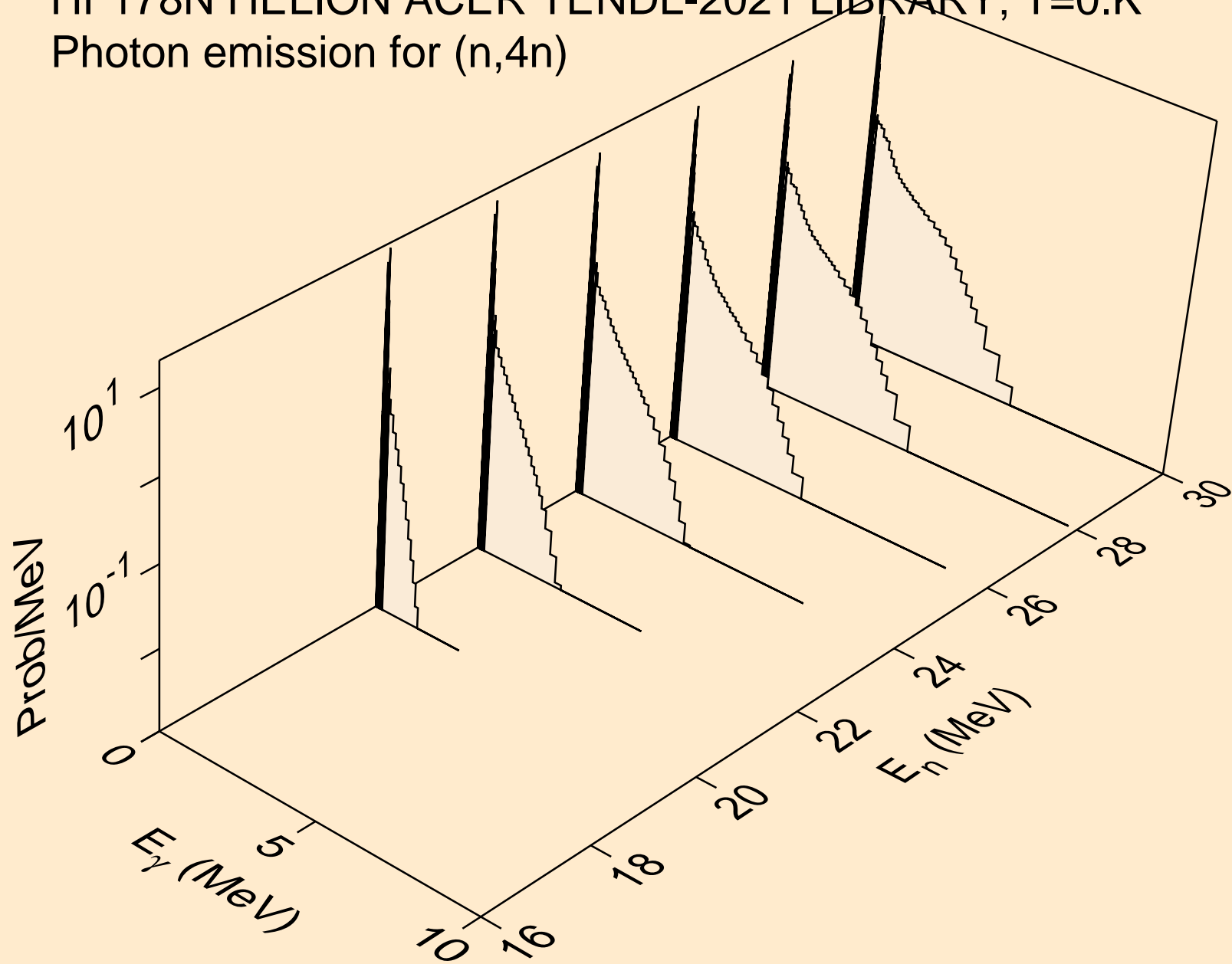
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



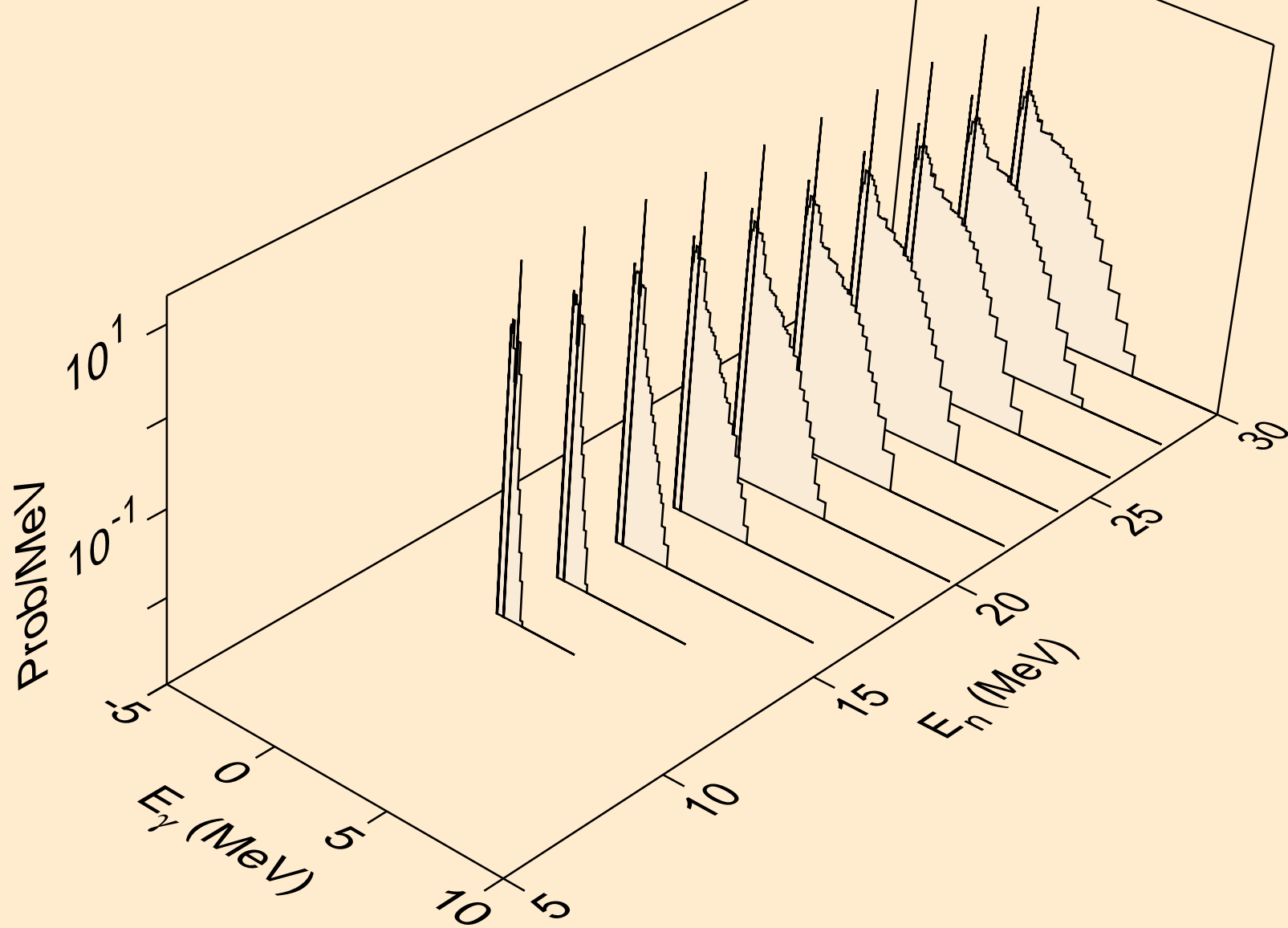
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,4n)

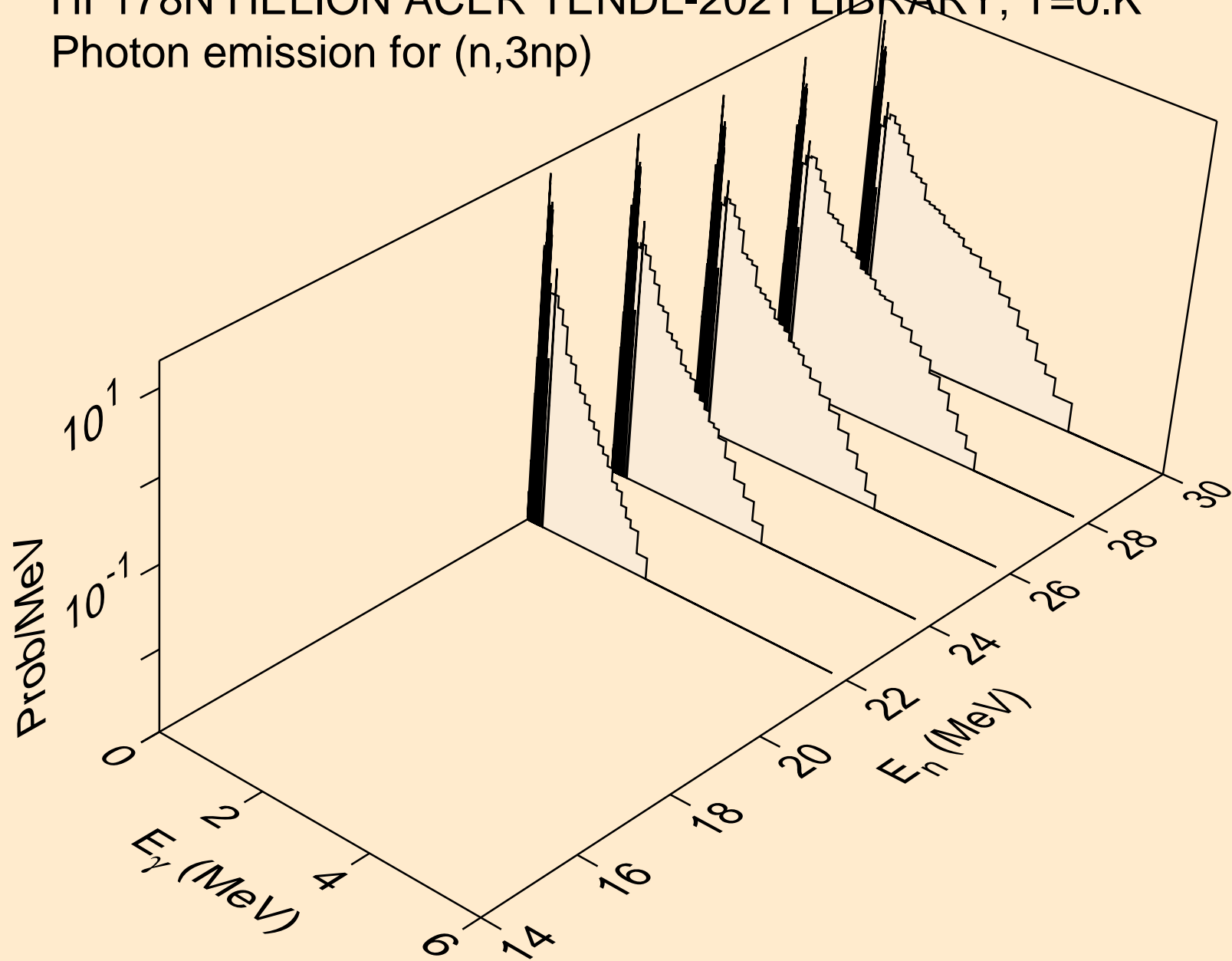


HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)

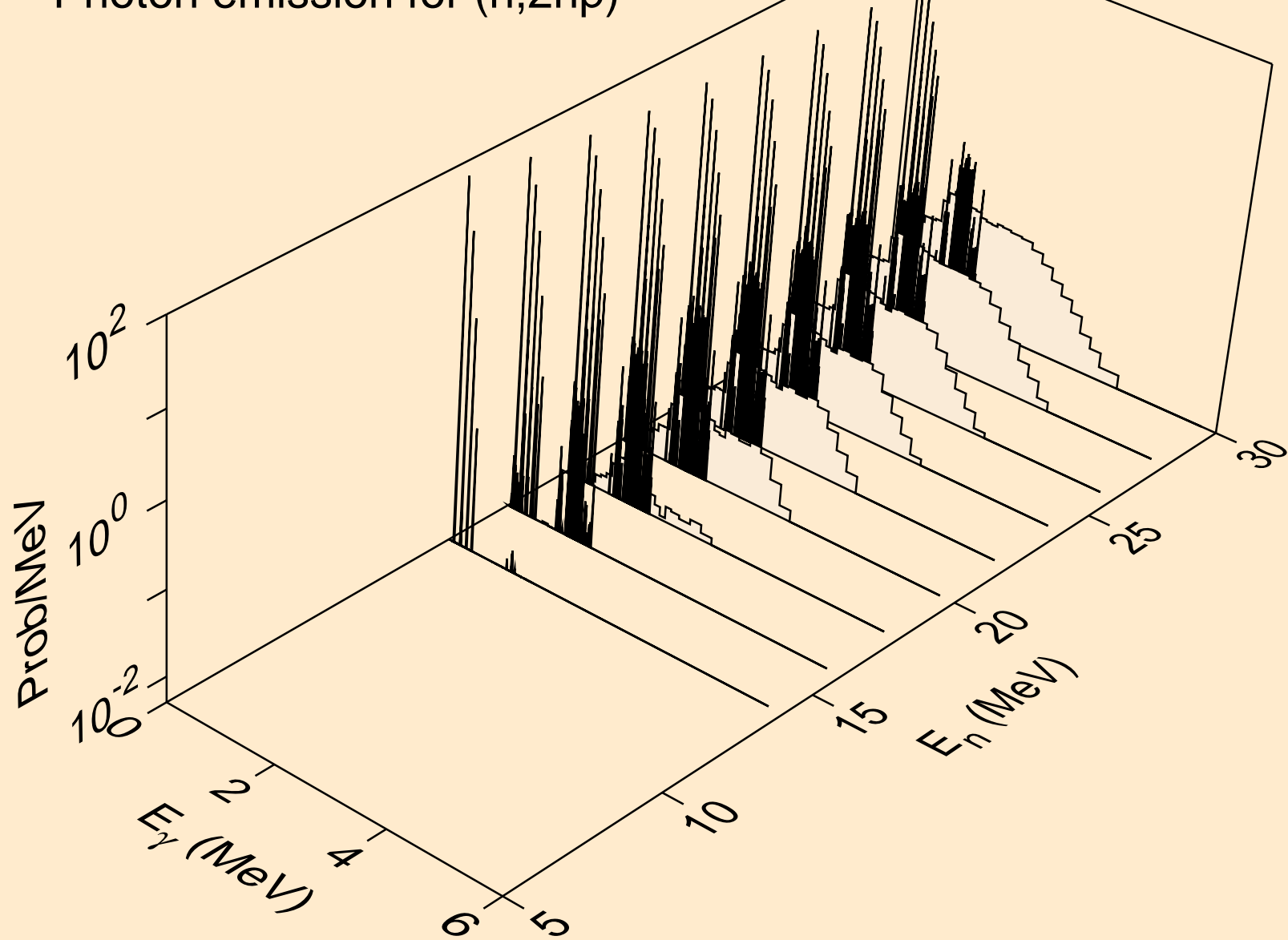




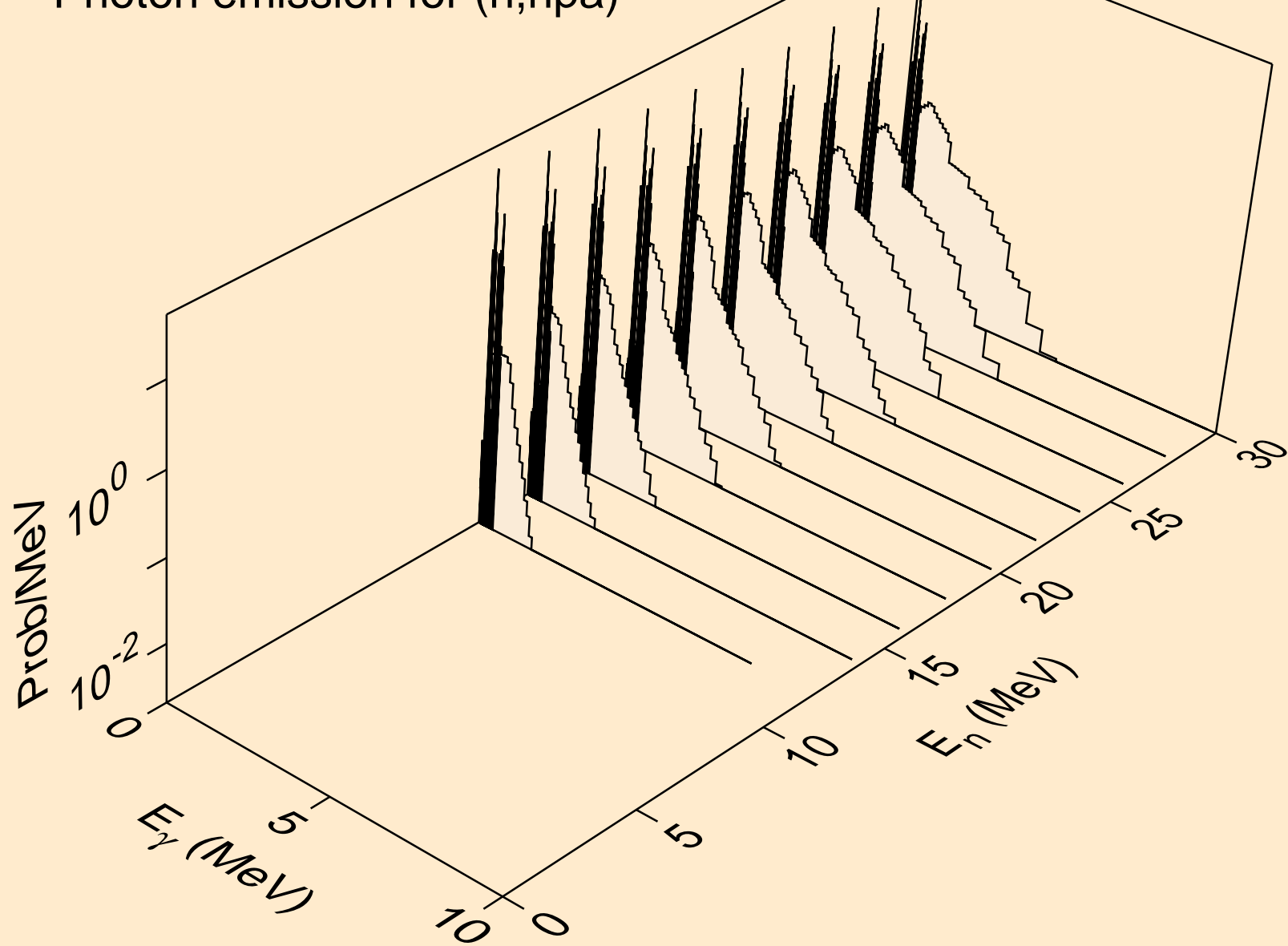
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Photon emission for (n,3np)



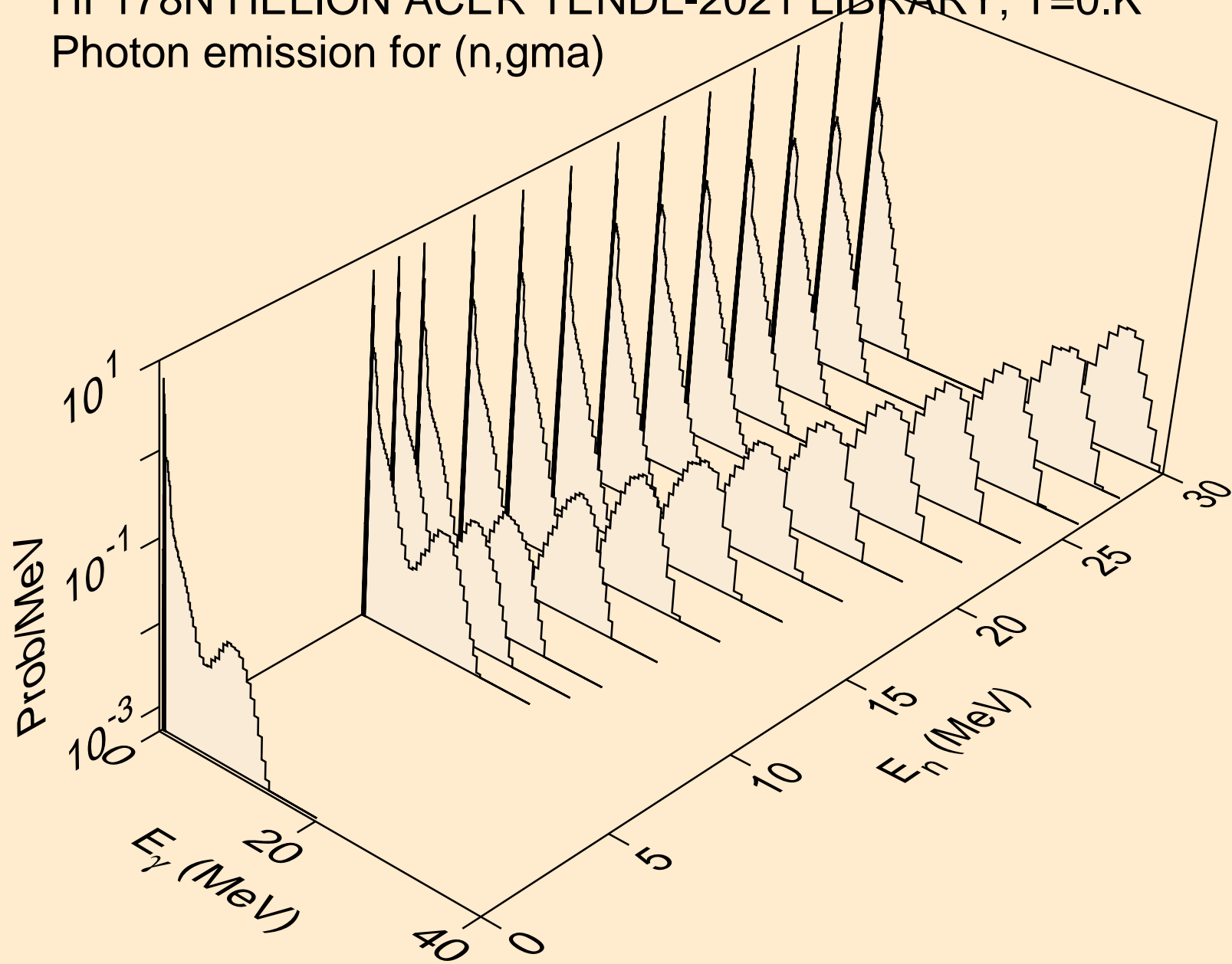
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



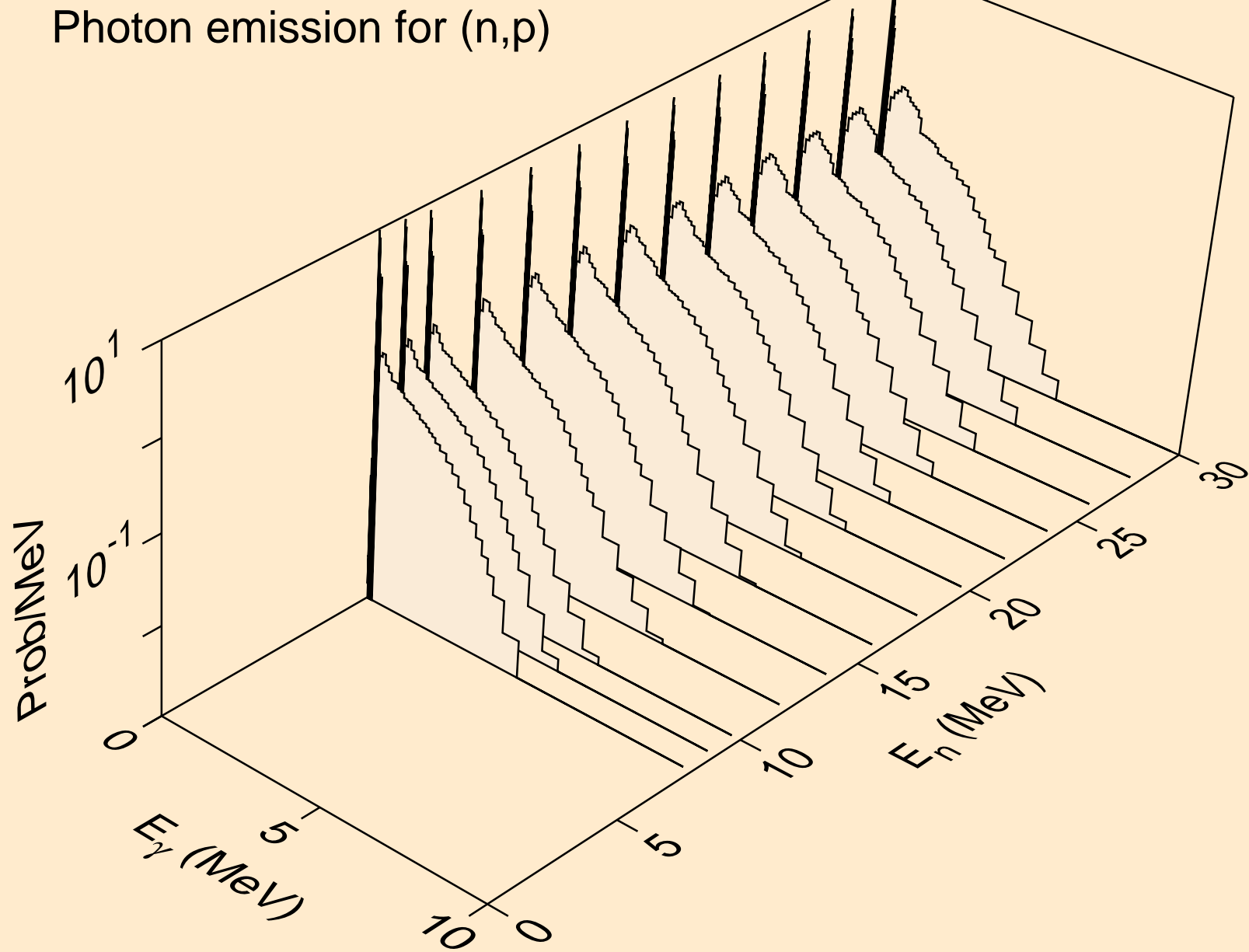
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Photon emission for (n,npa)



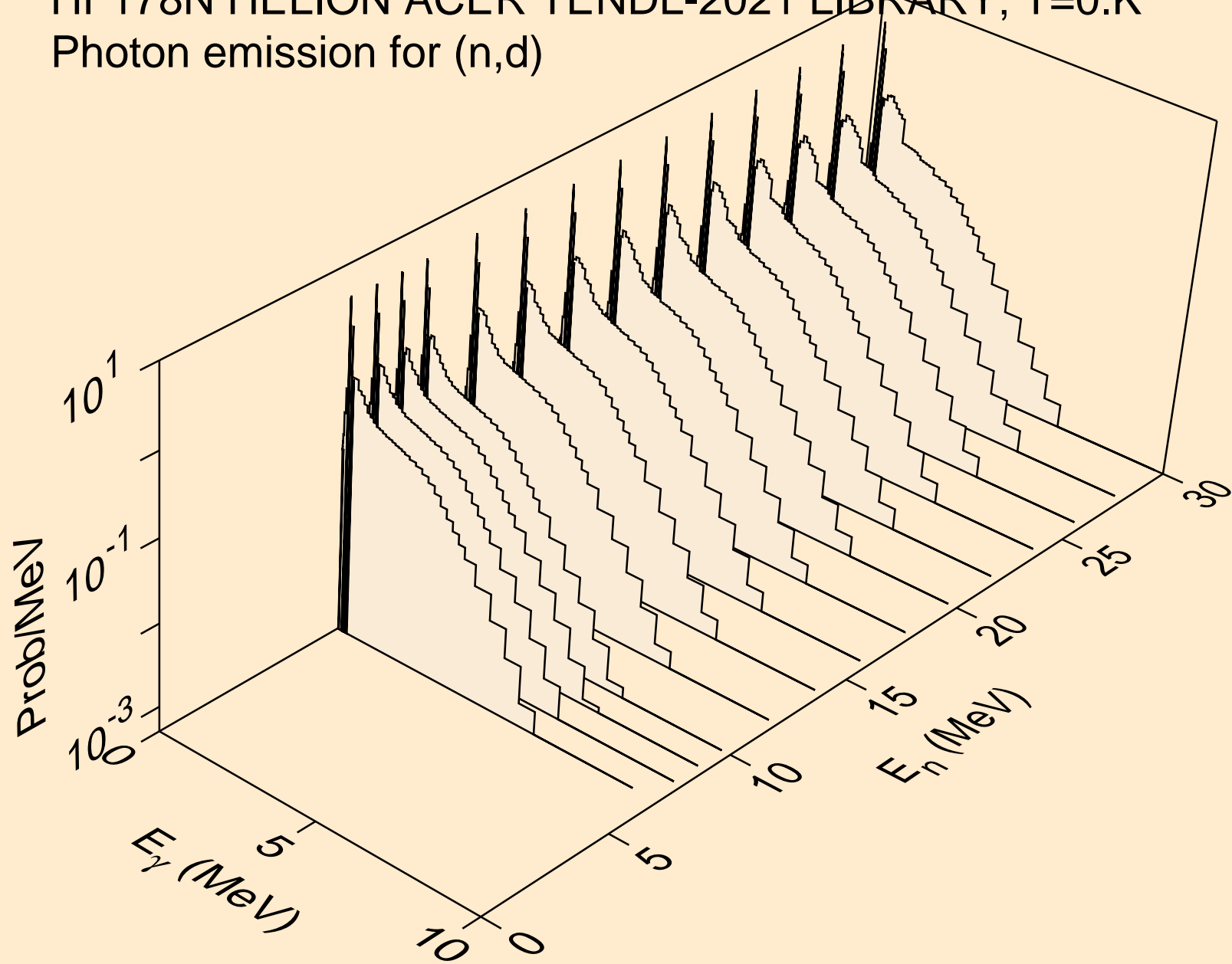
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Photon emission for (n,gma)



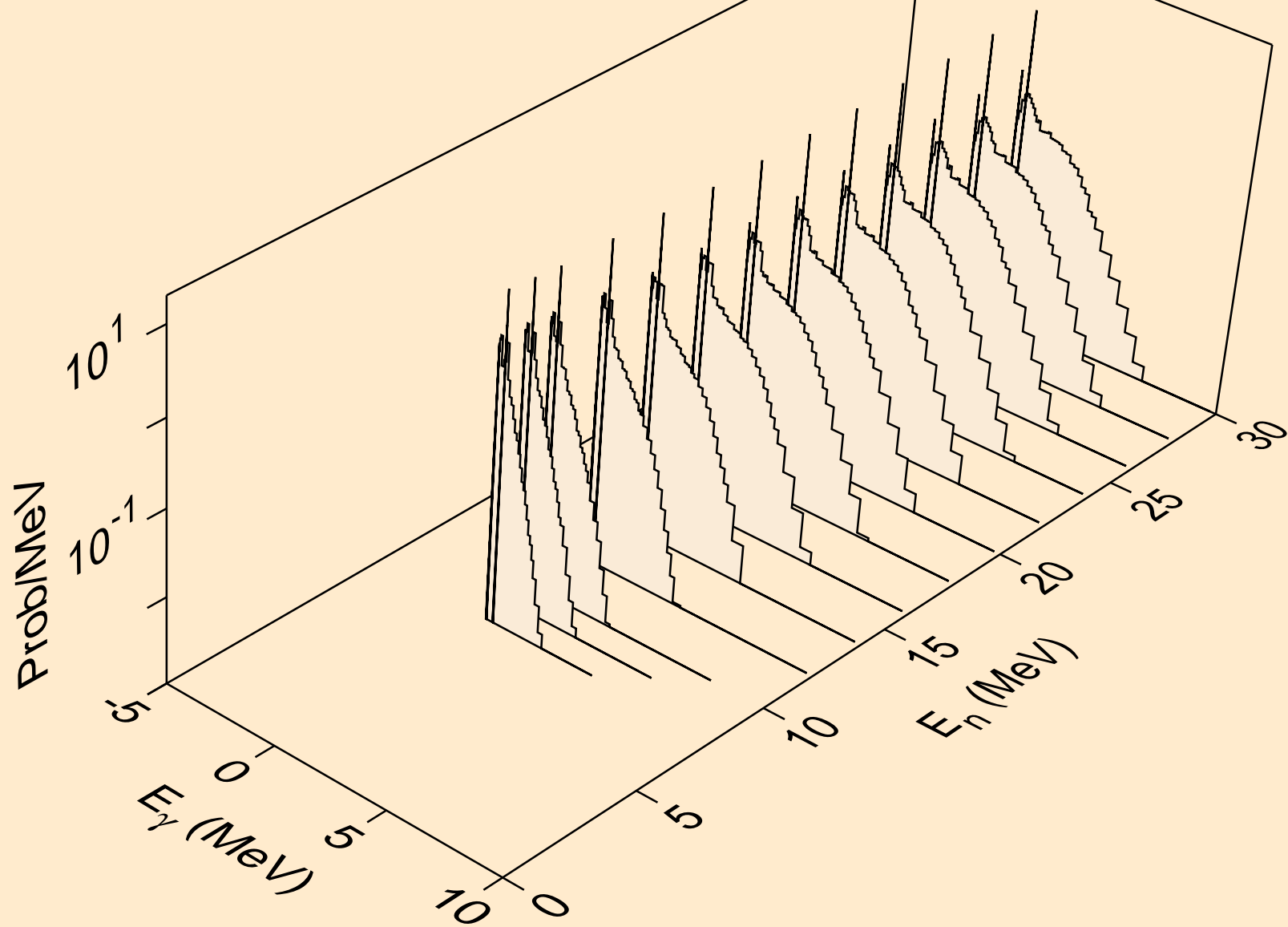
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Photon emission for (n,p)



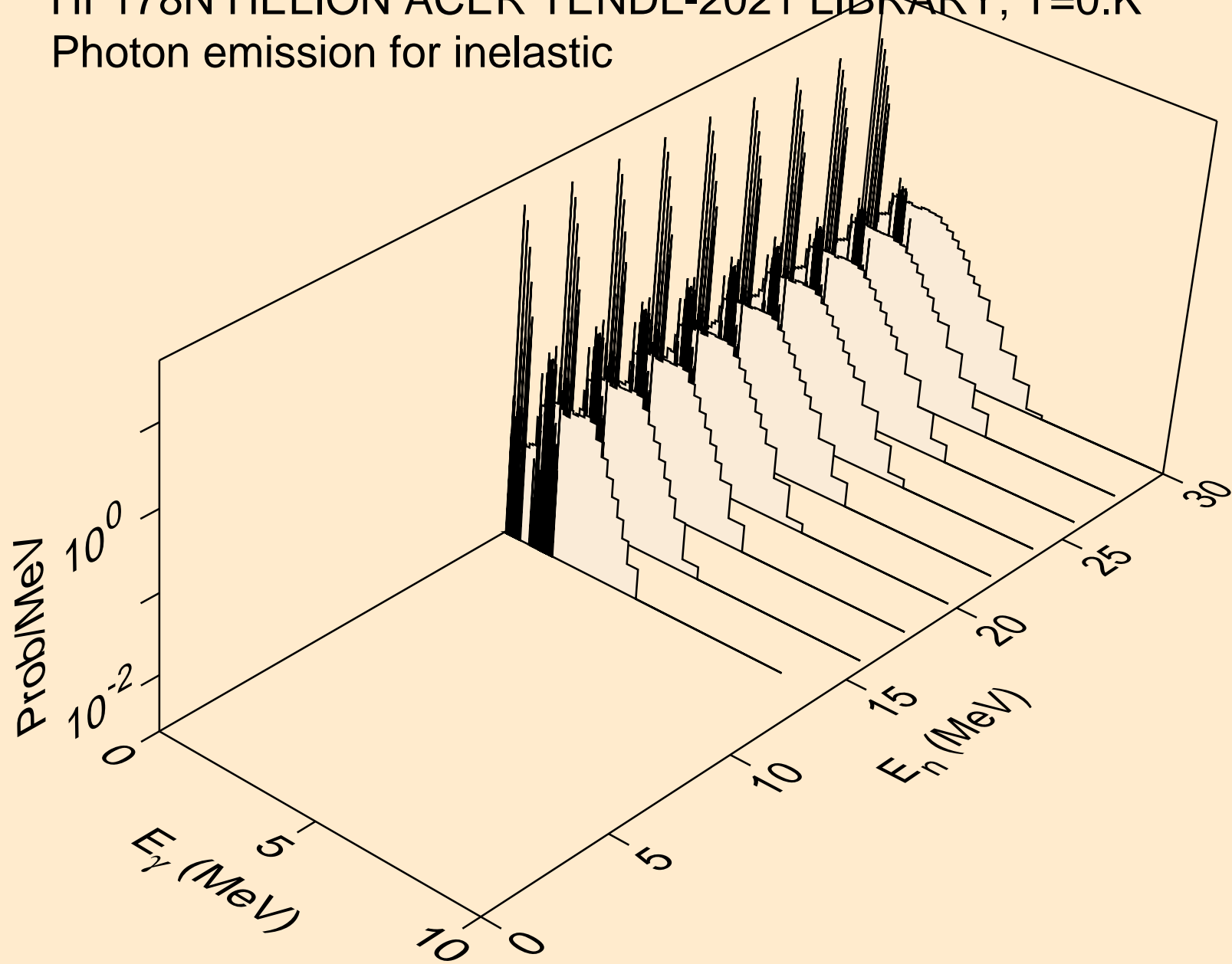
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,d)



HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,t)

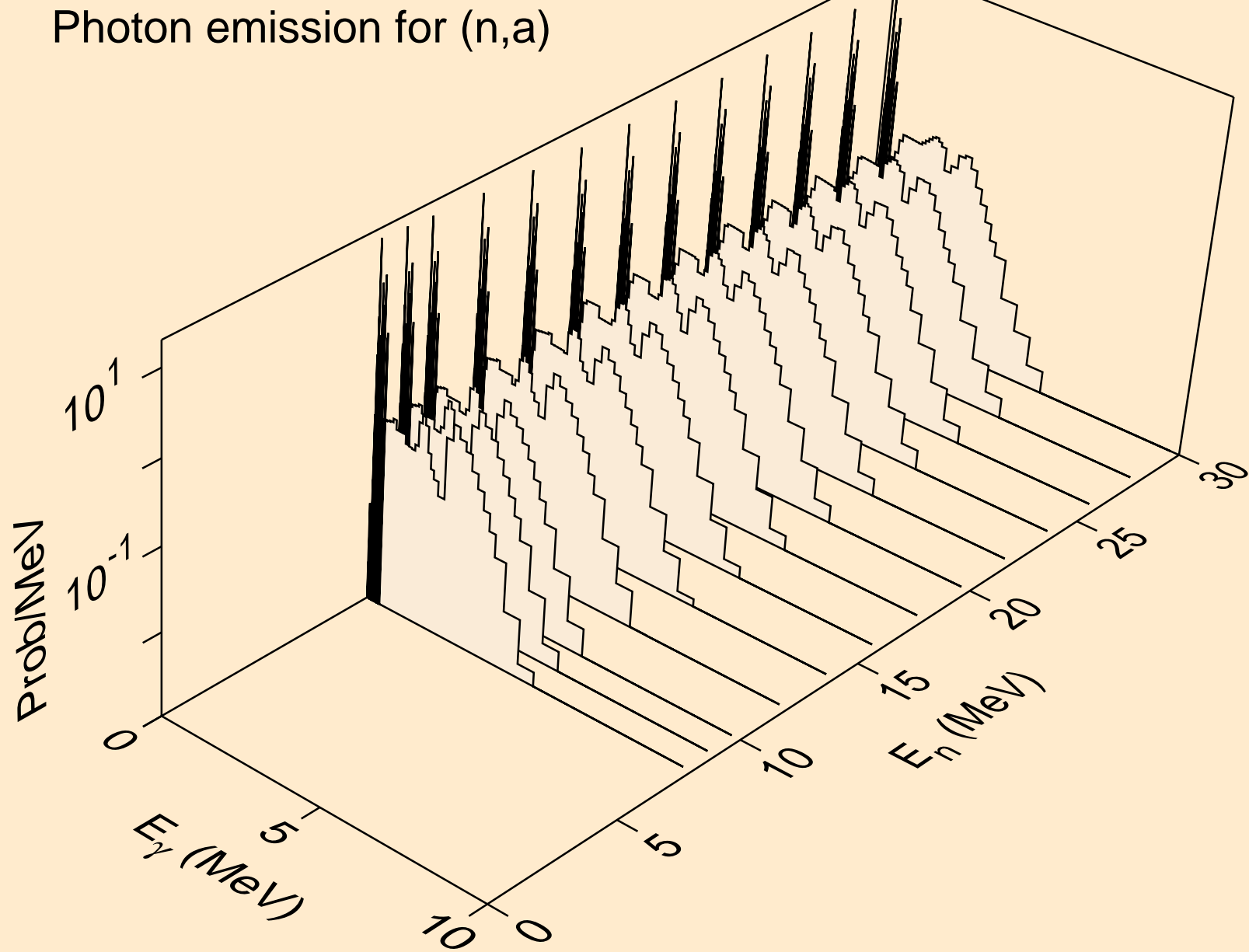


HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic

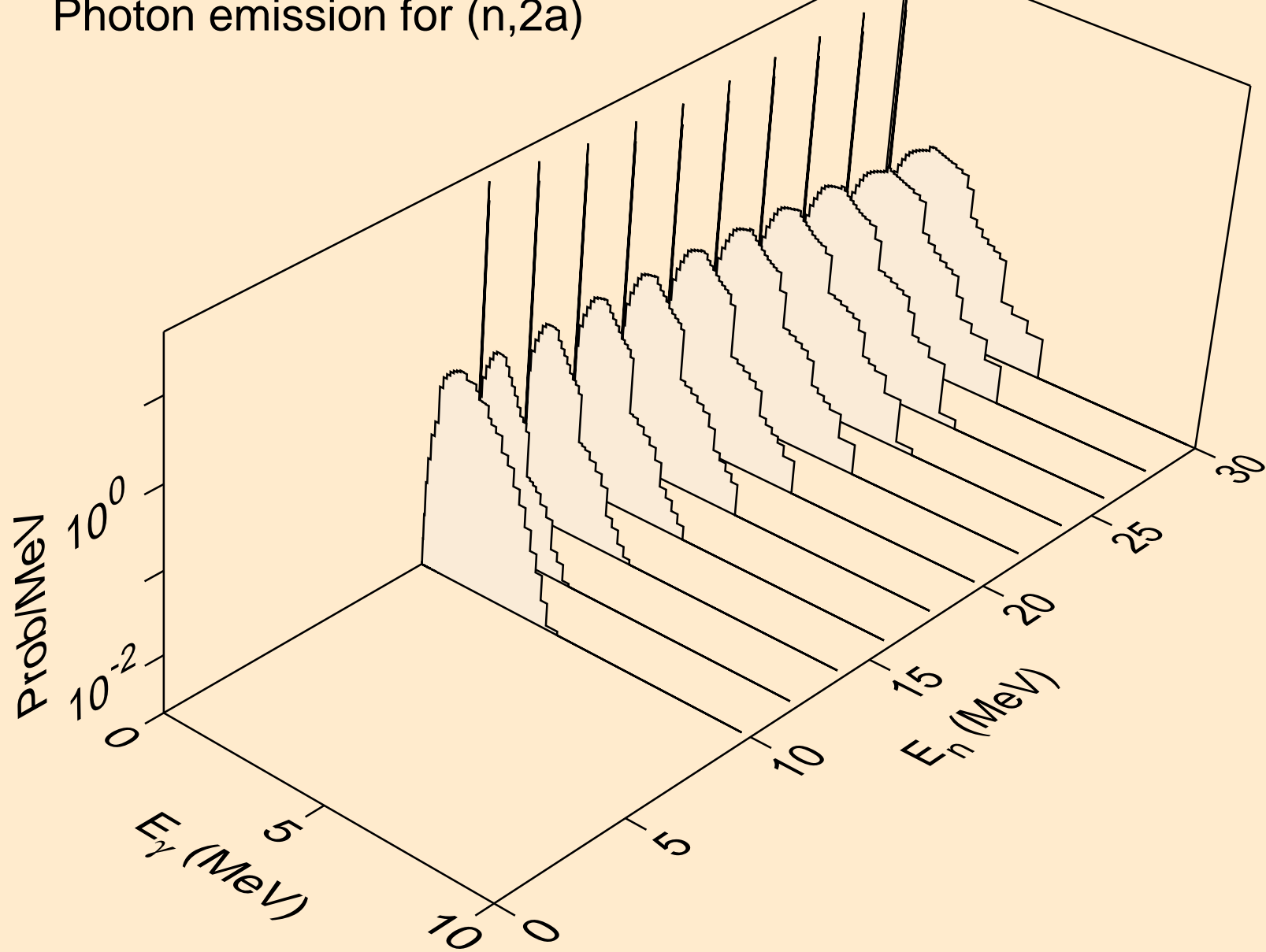




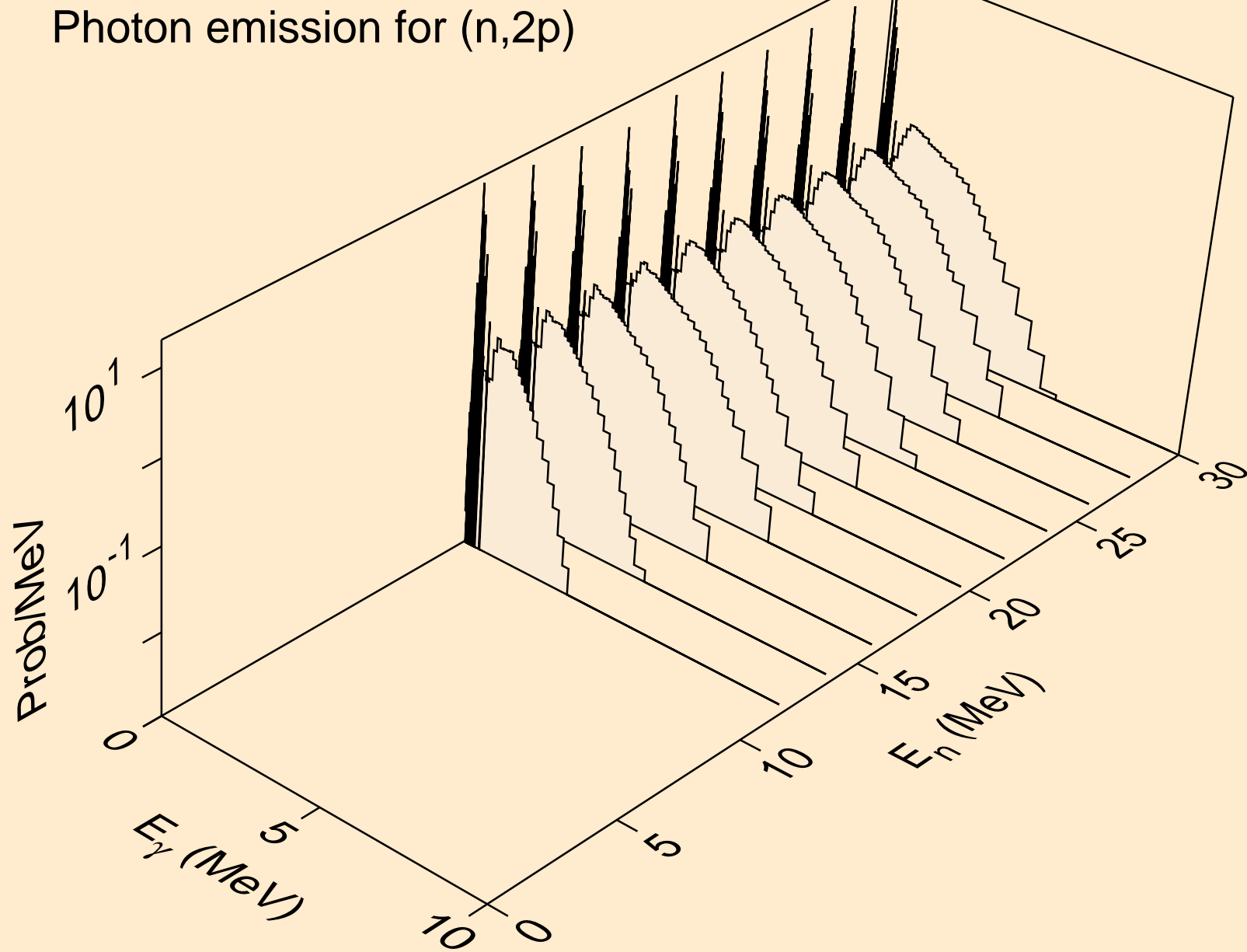
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Photon emission for (n,a)



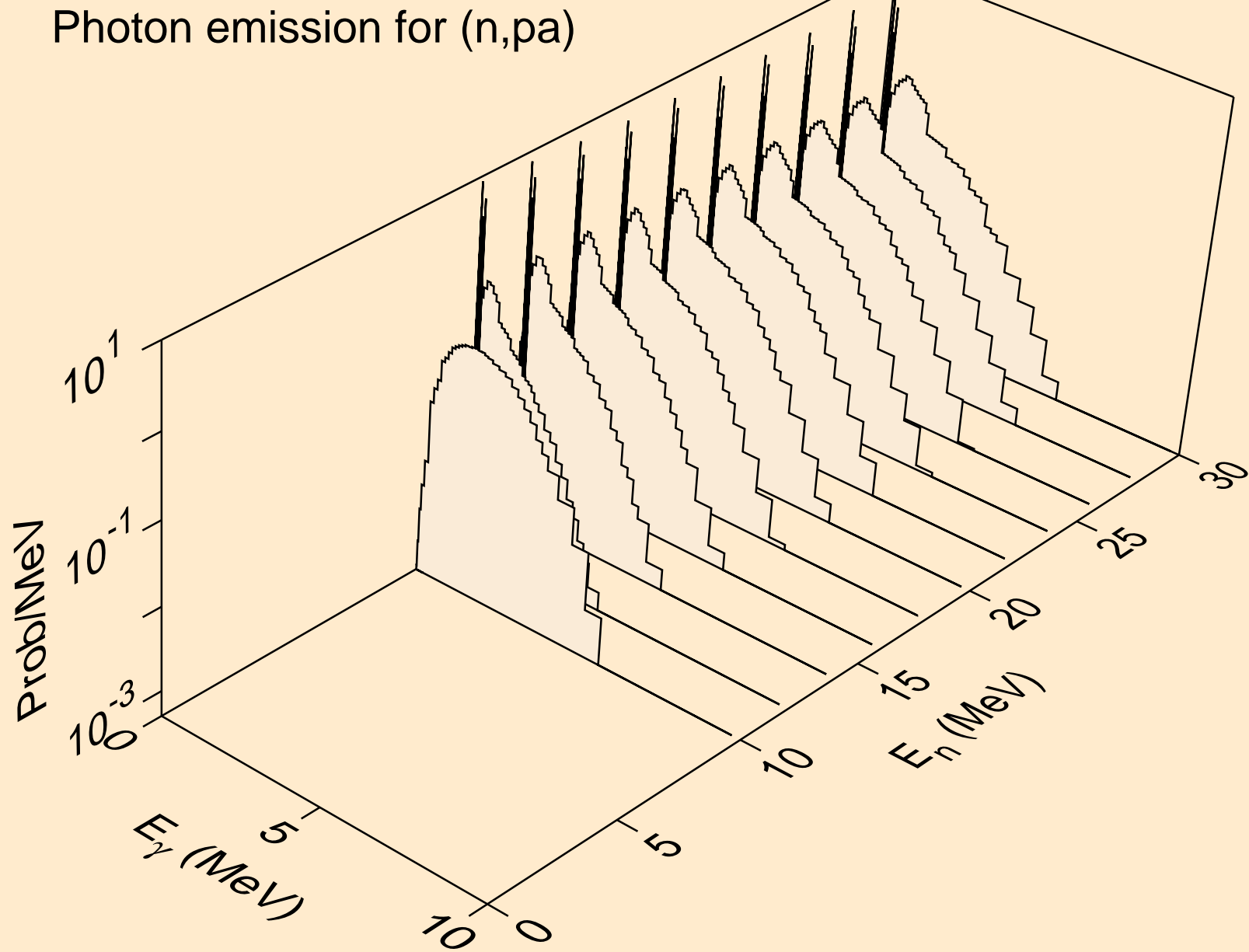
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2a)



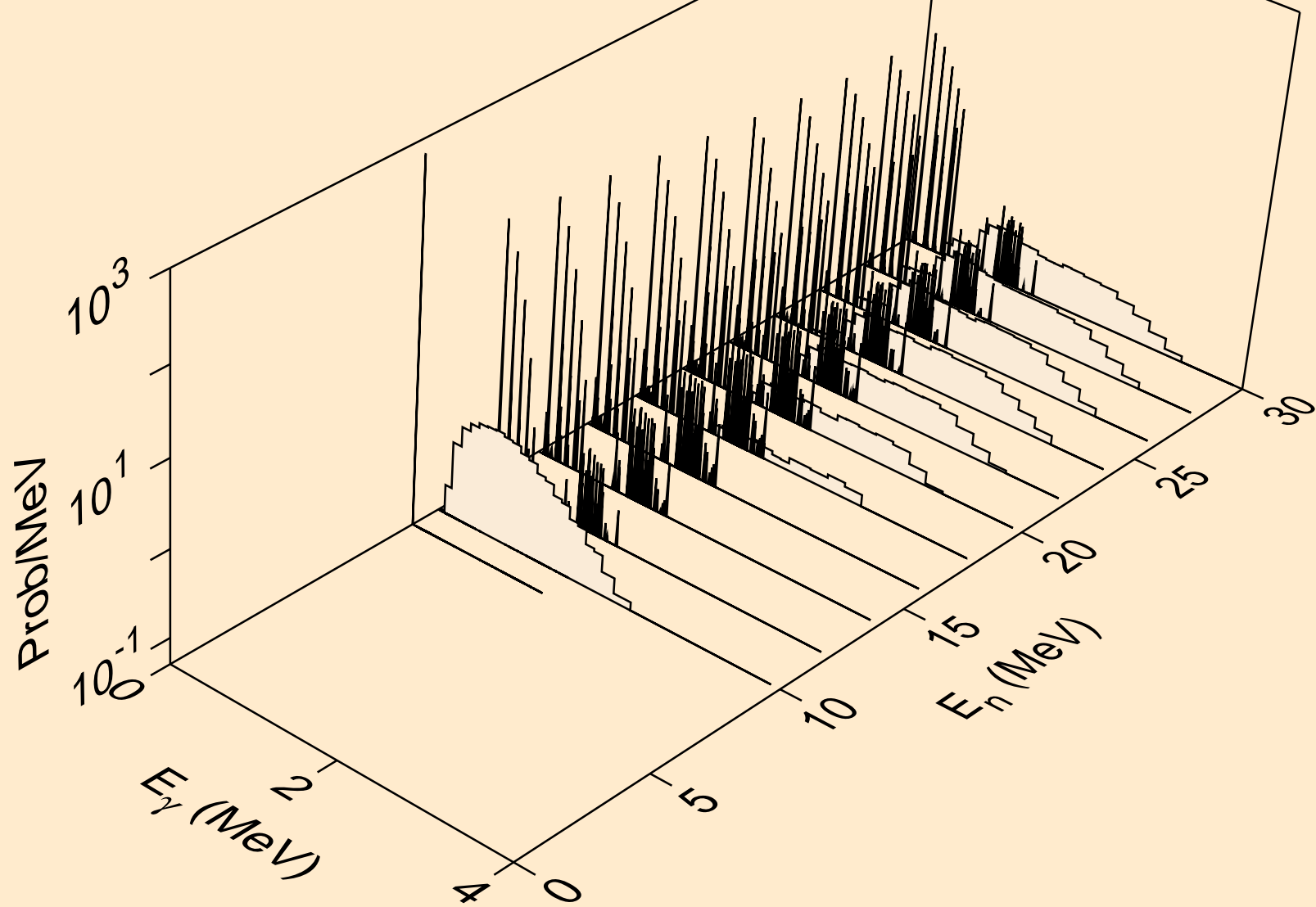
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Photon emission for (n,2p)



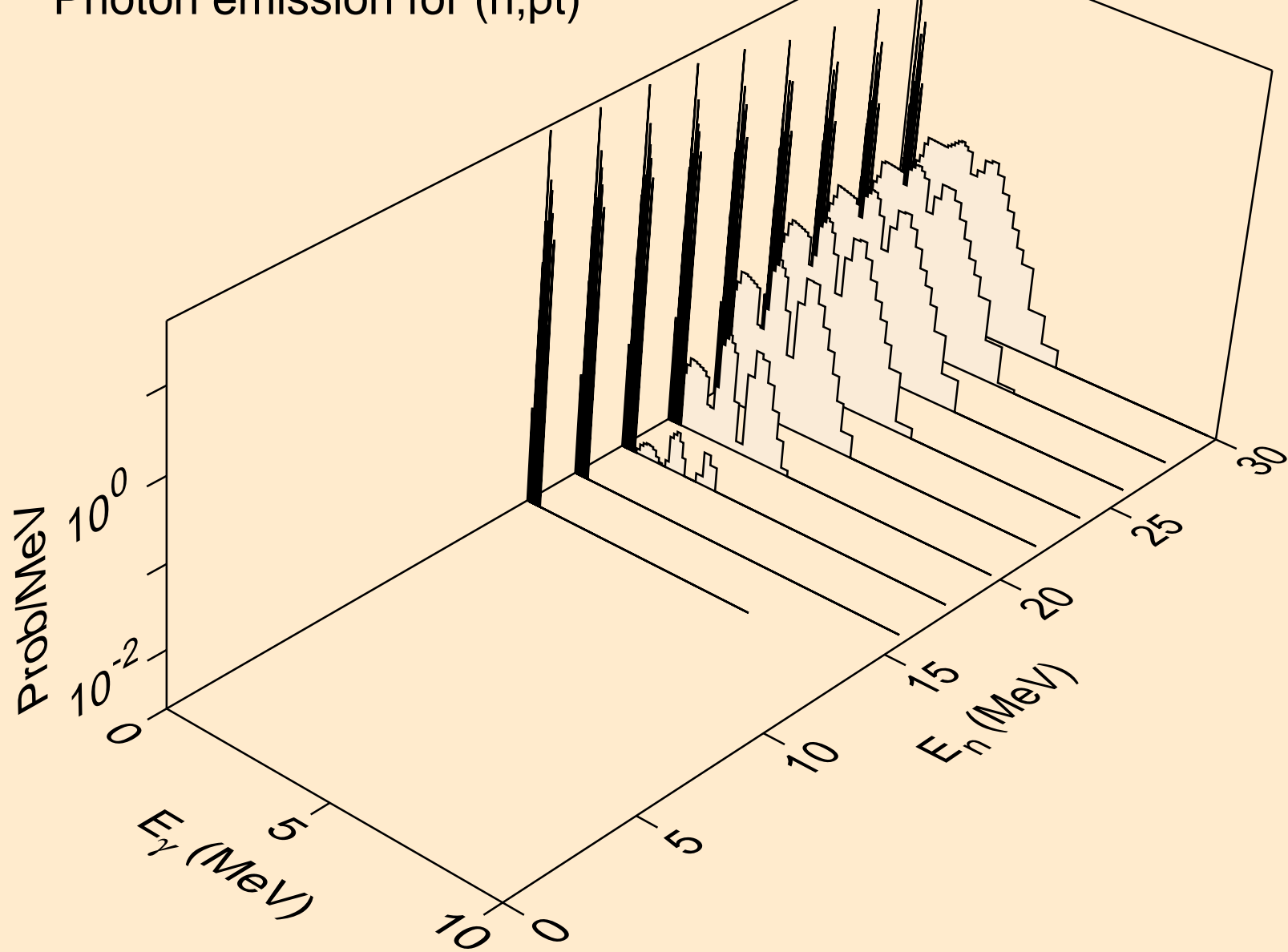
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Photon emission for (n,pa)



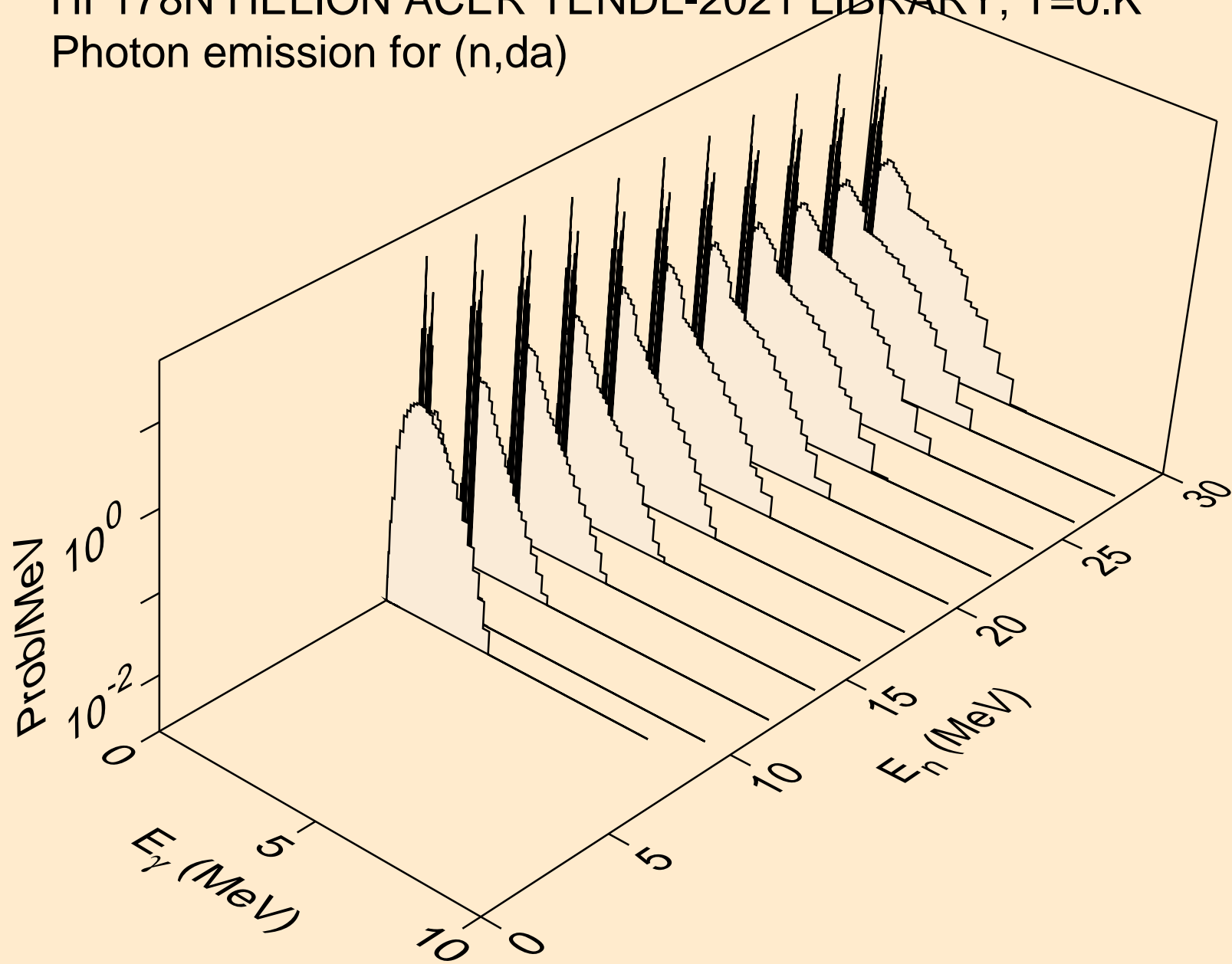
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pd)



HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pt)

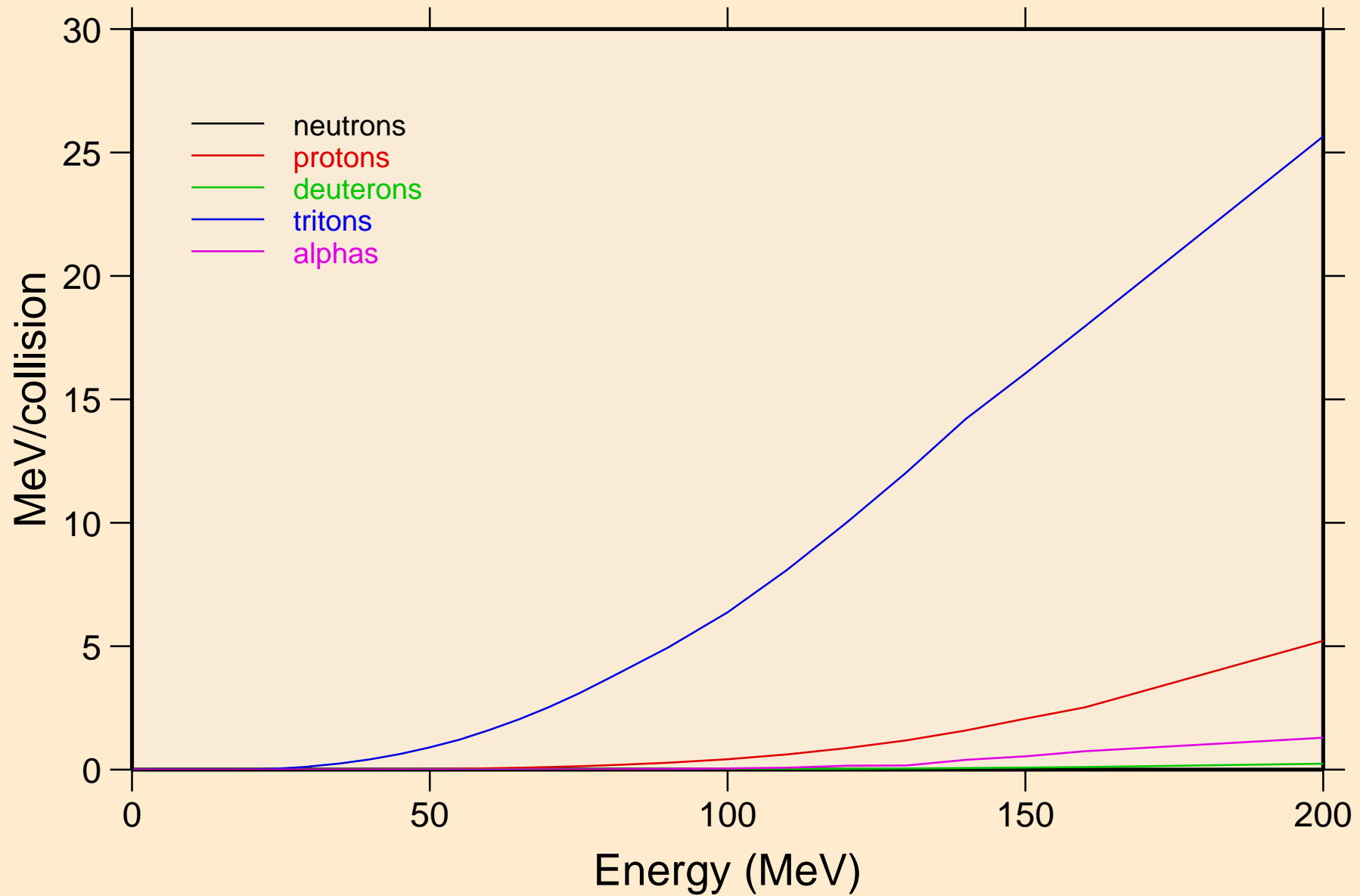


HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,da)



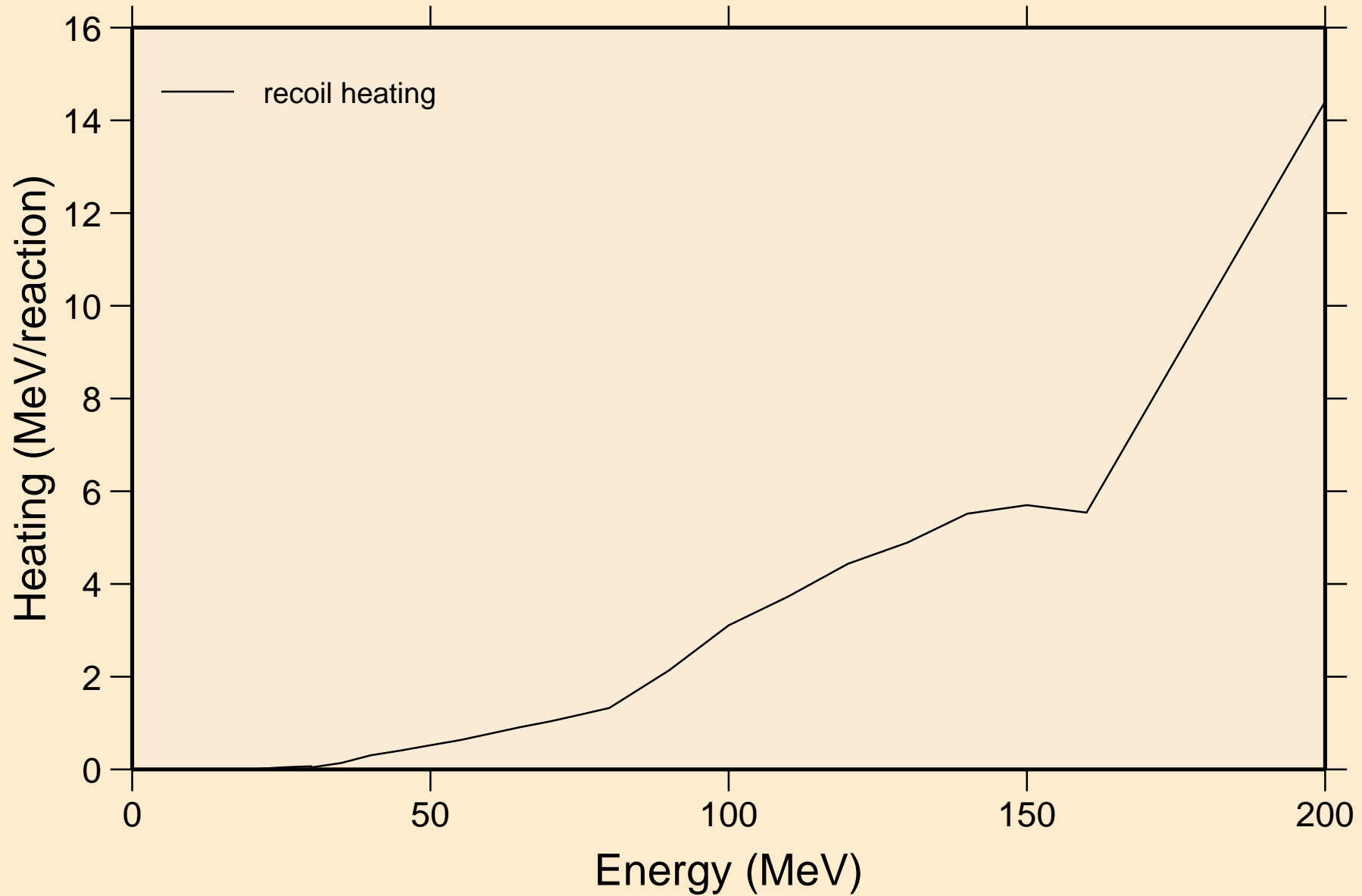
# HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K

## Particle heating contributions



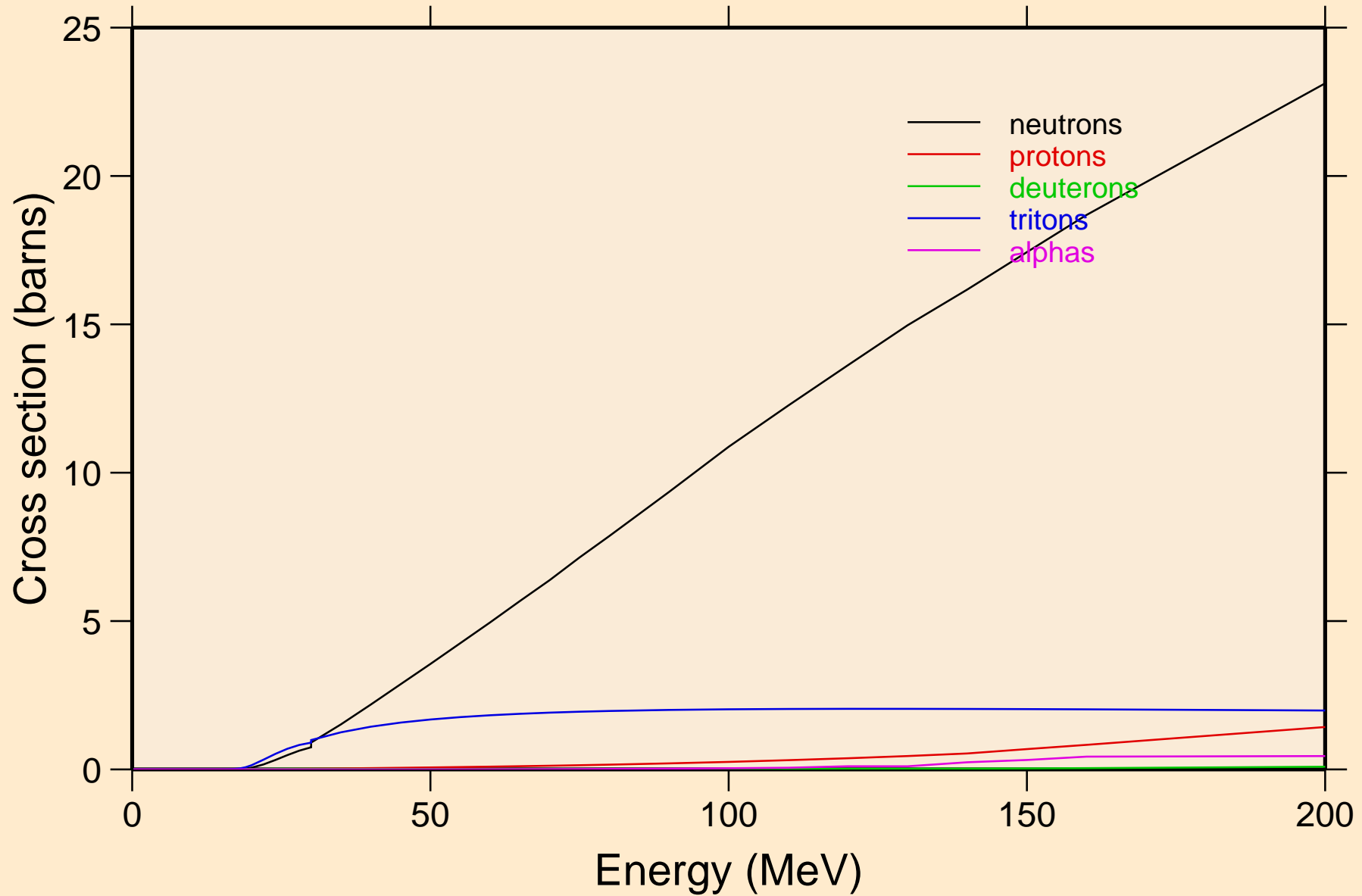


HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
Recoil Heating

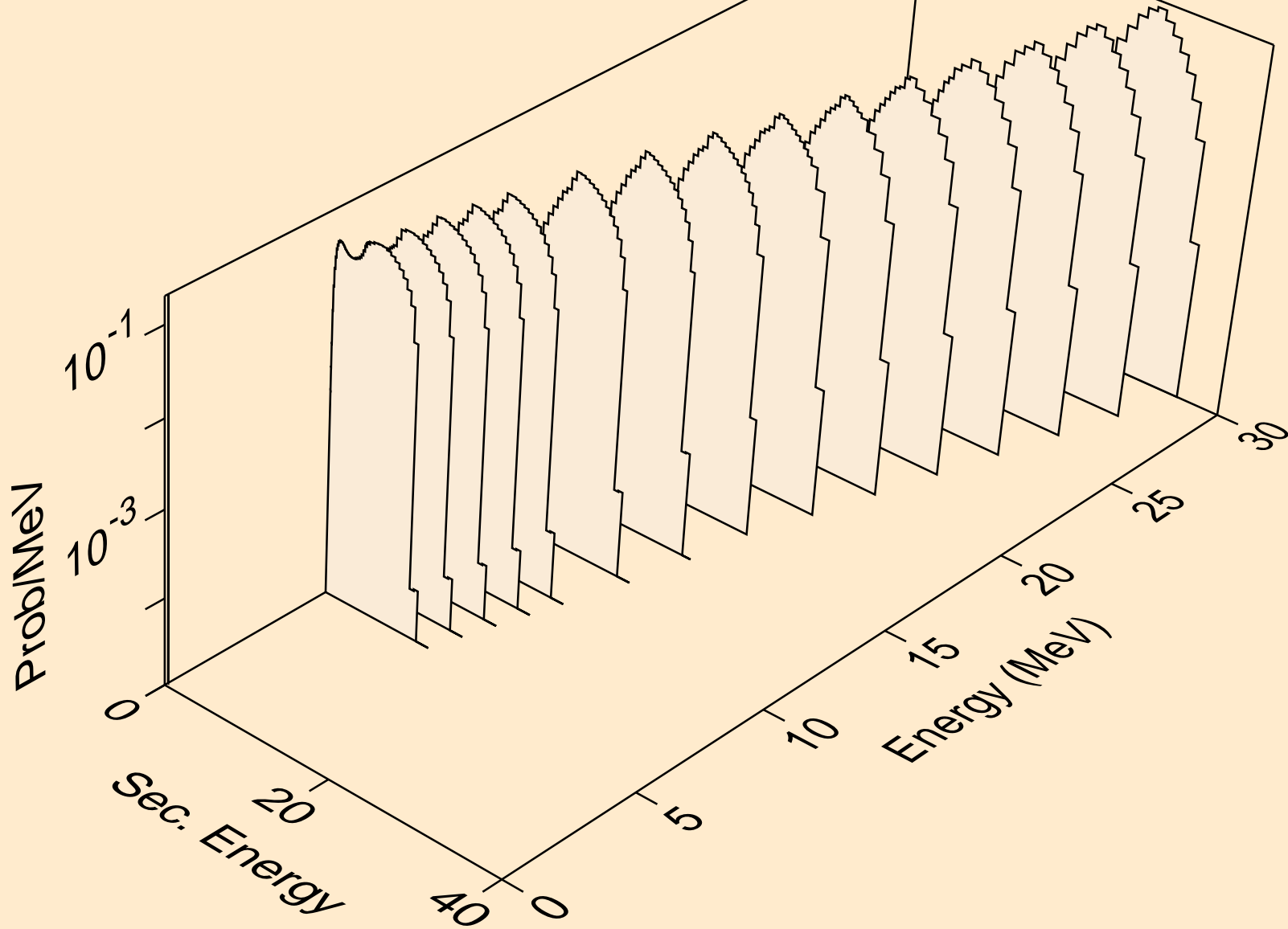


# HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K

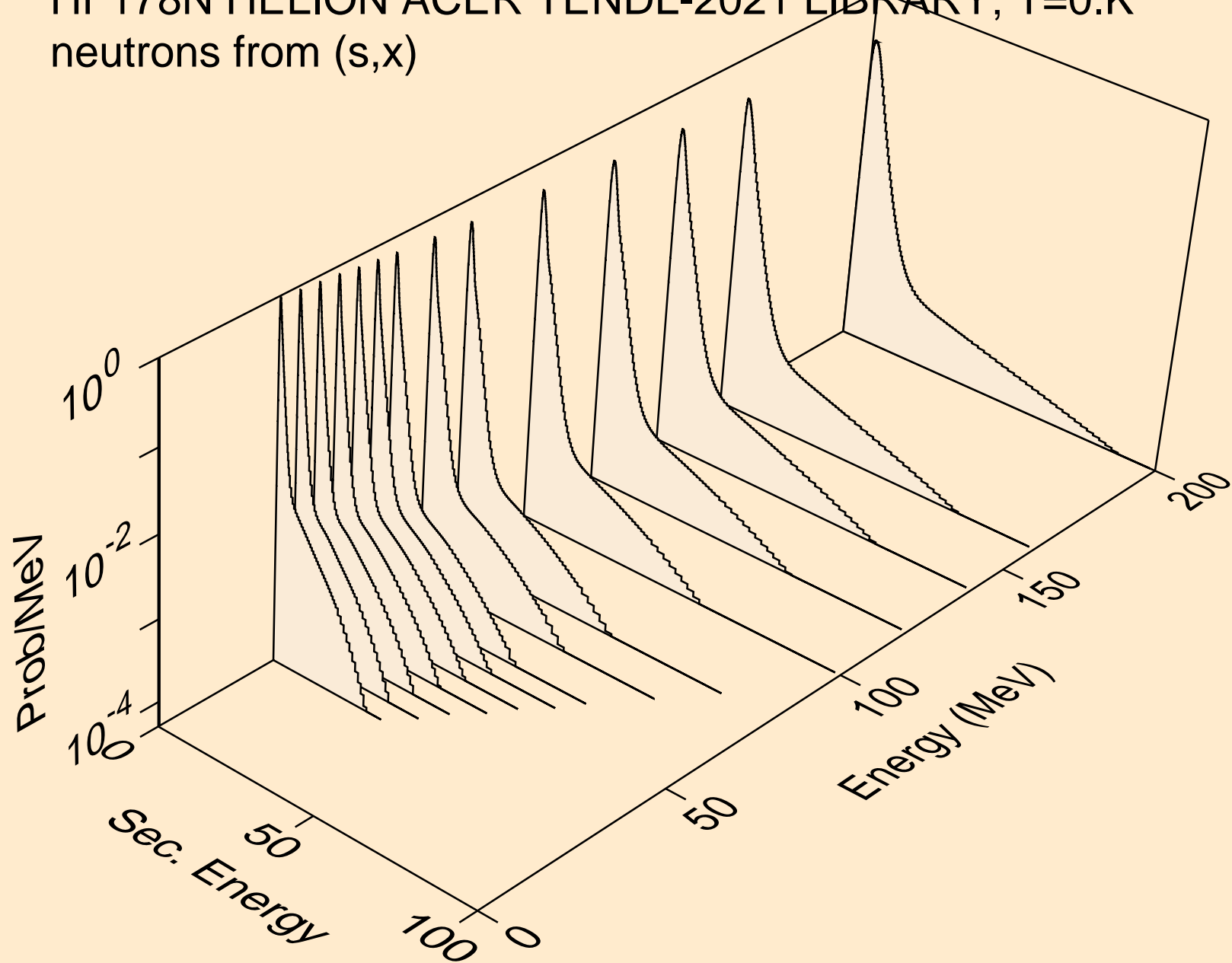
## Particle production cross sections



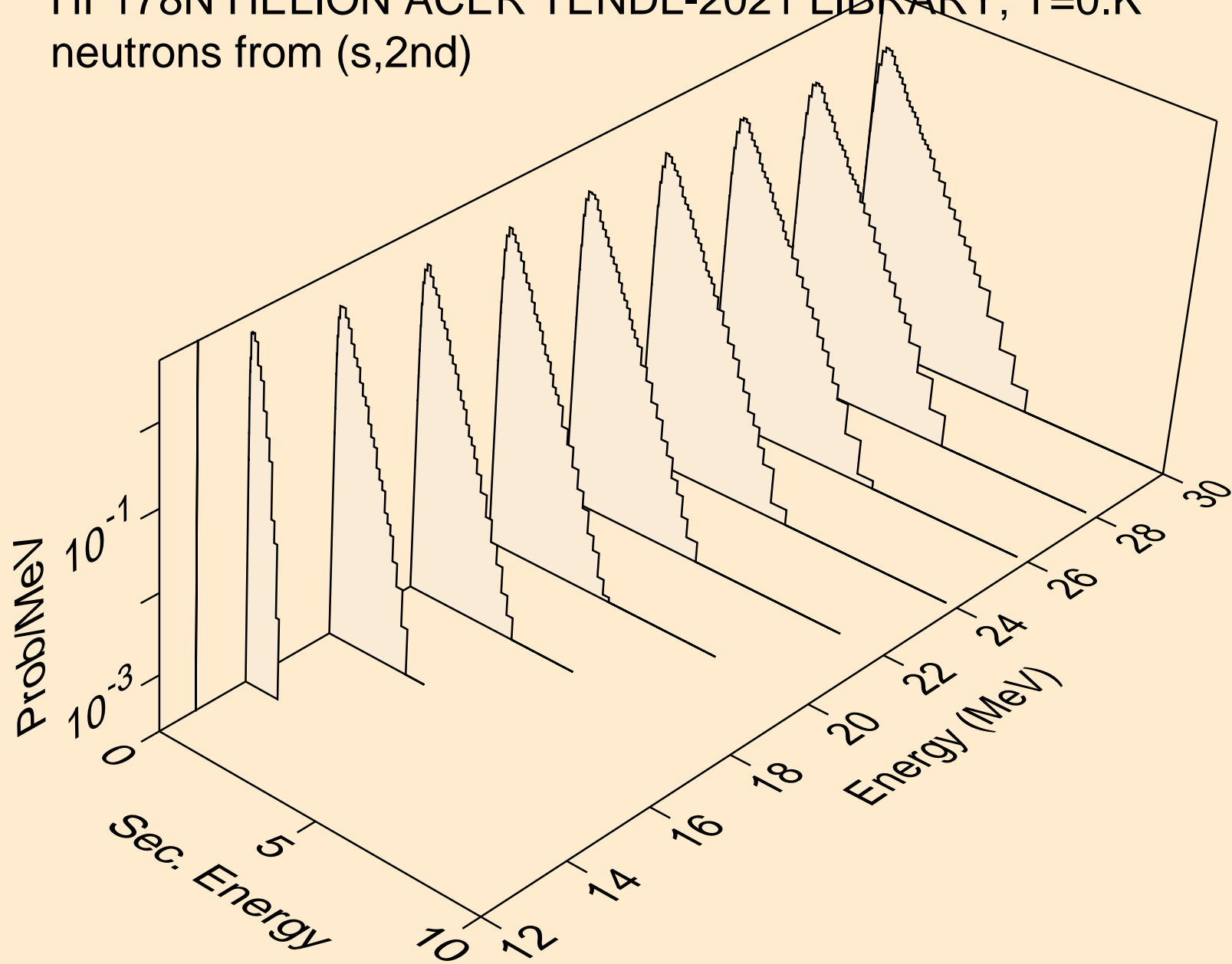
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n)



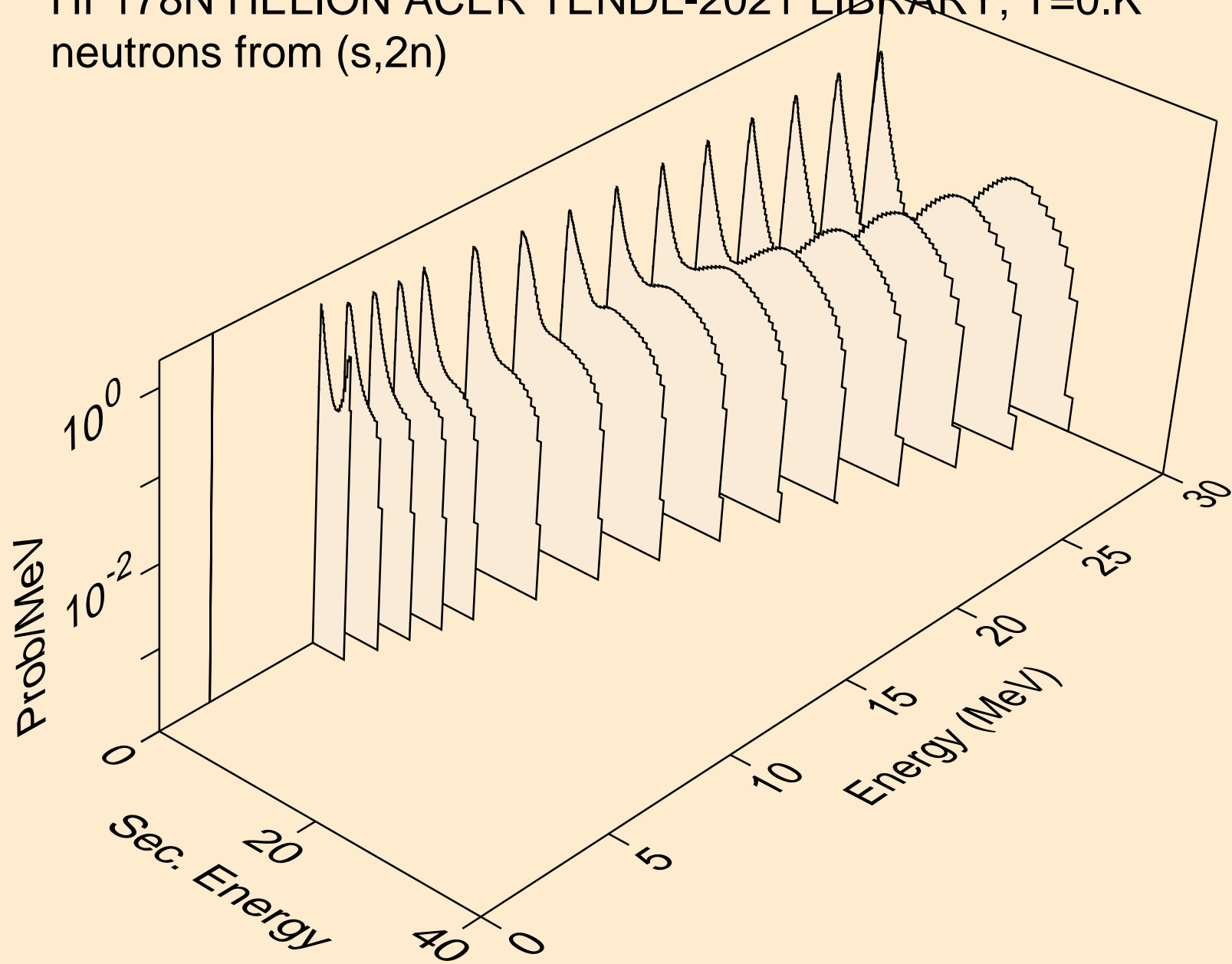
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,x)



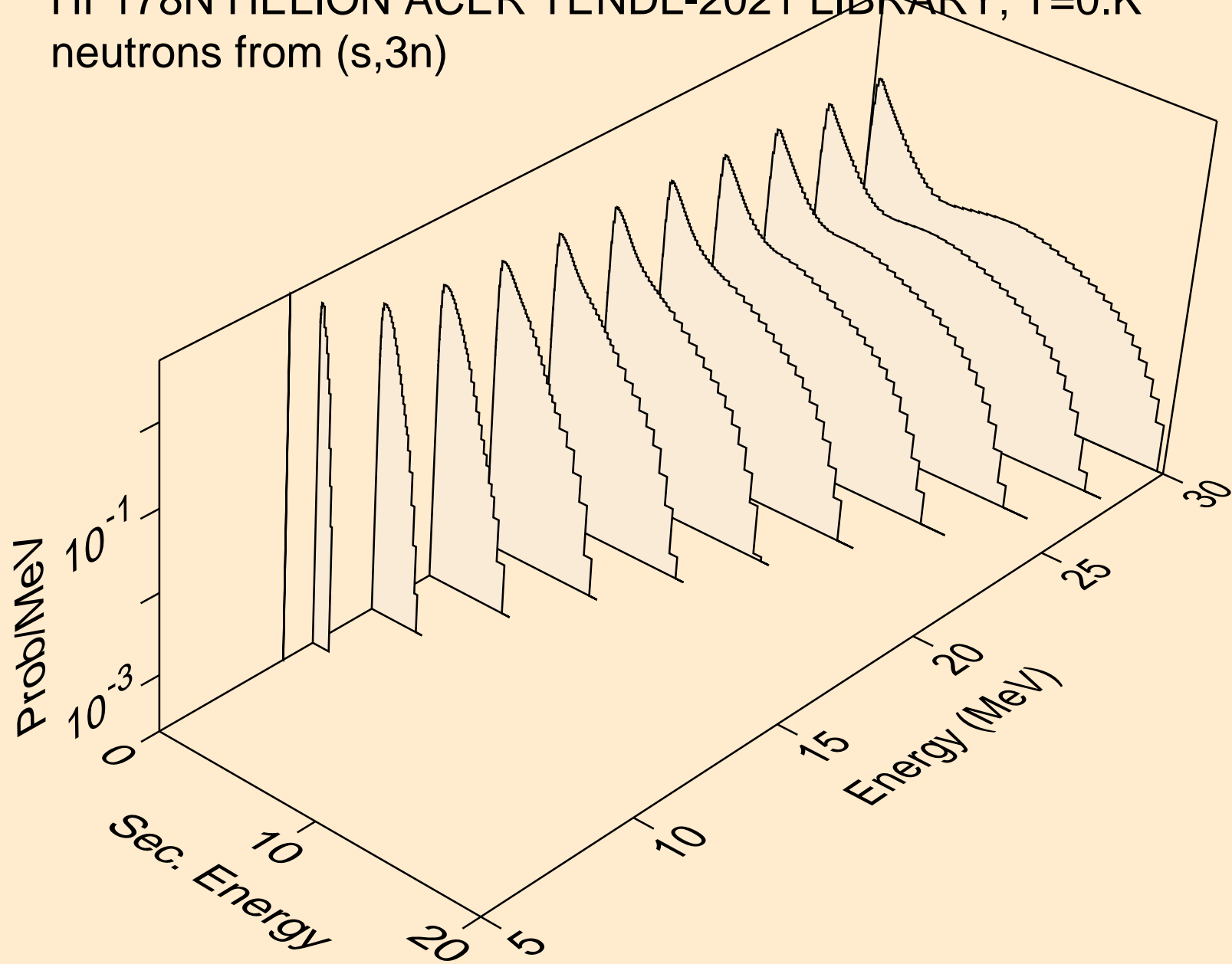
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2nd)



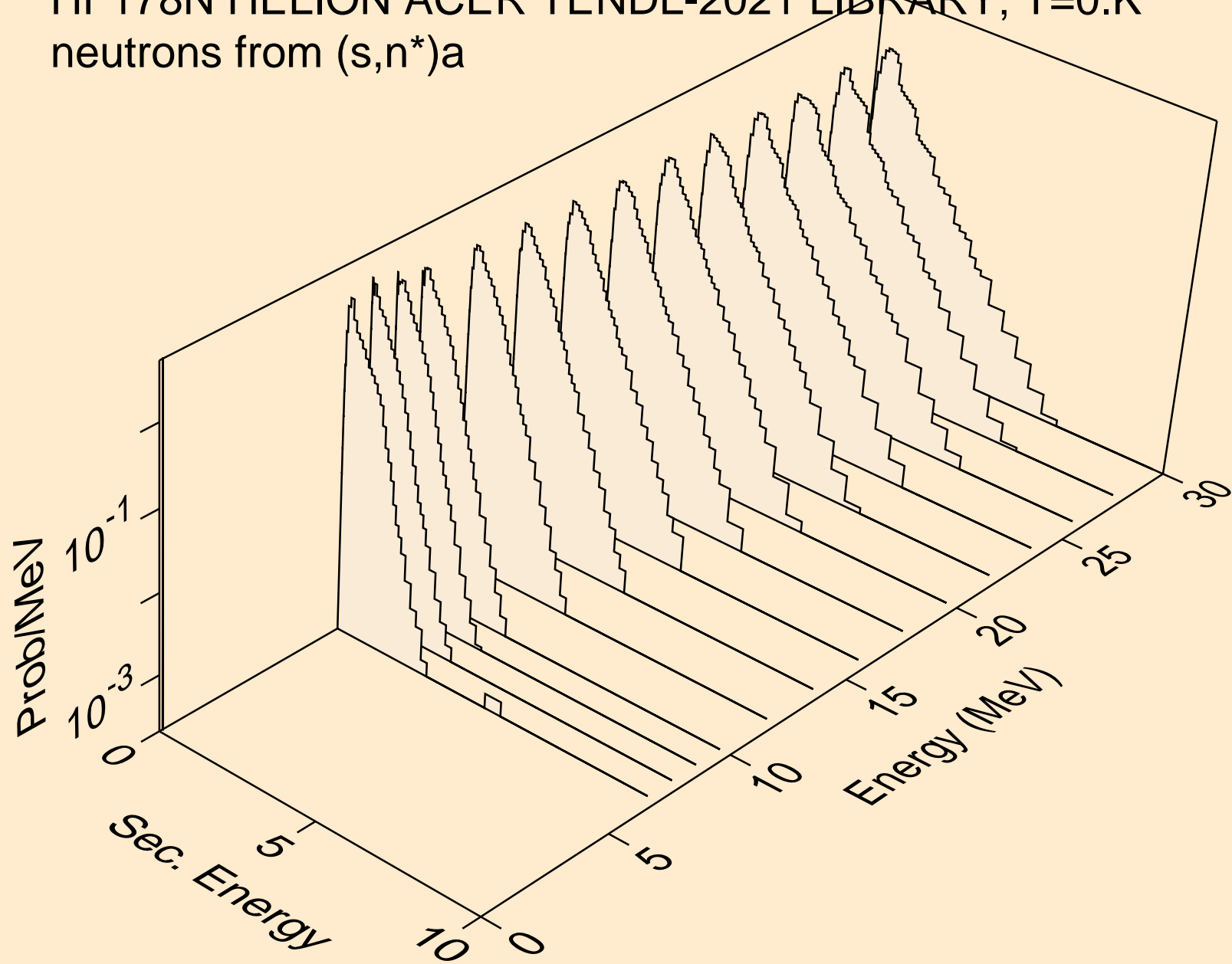
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2n)



HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,3n)

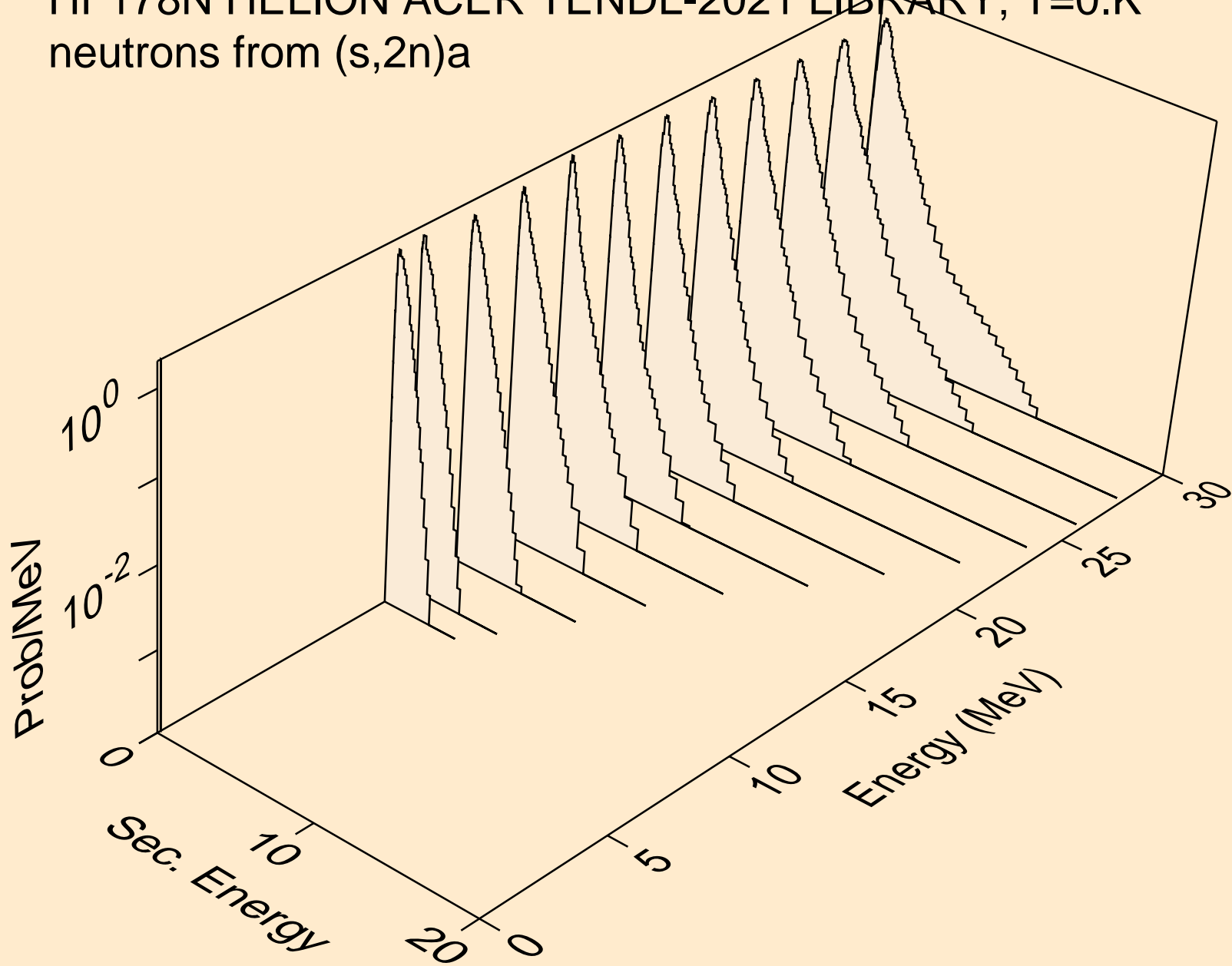


HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)a

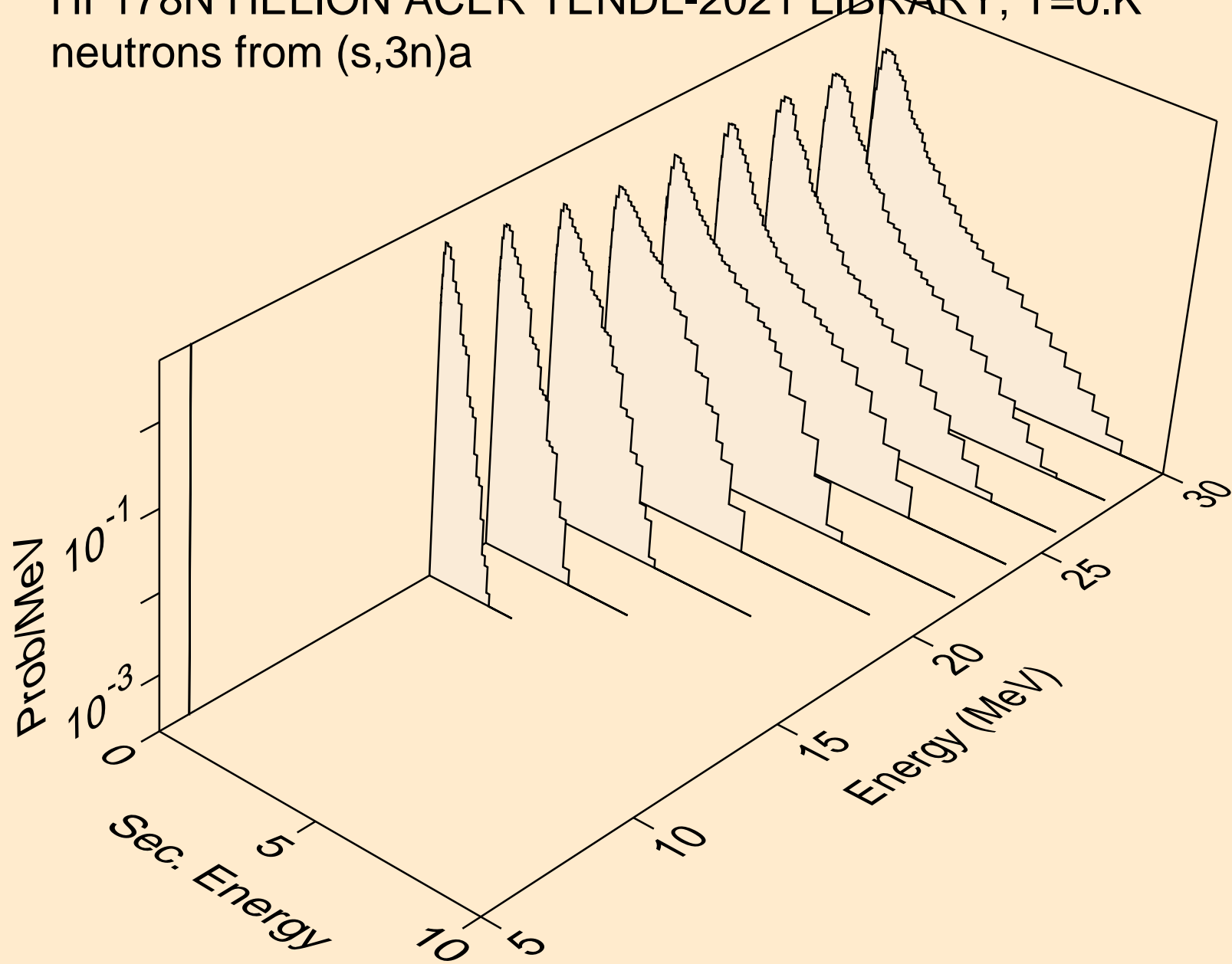




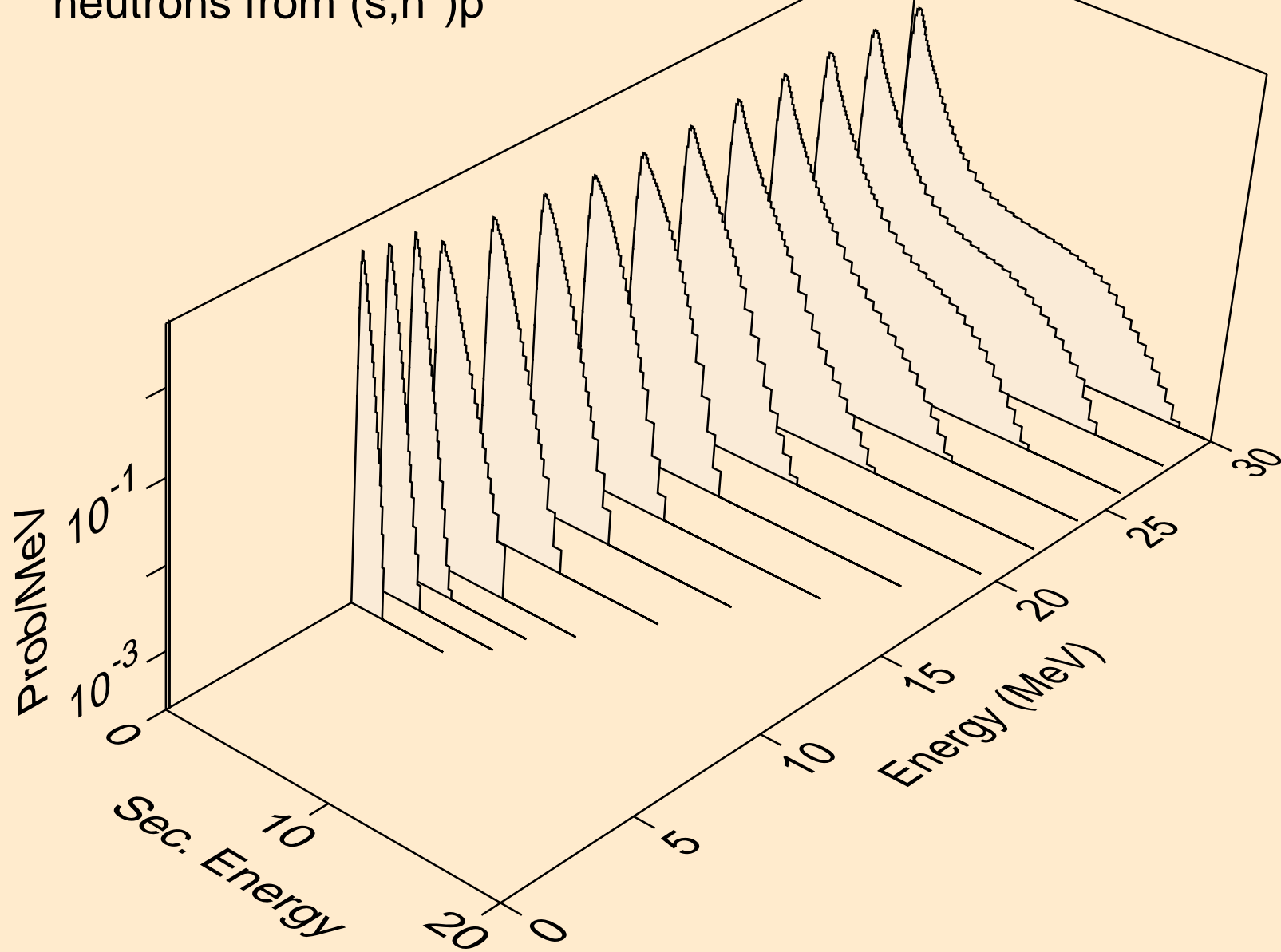
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neutrons from (s,2n)a



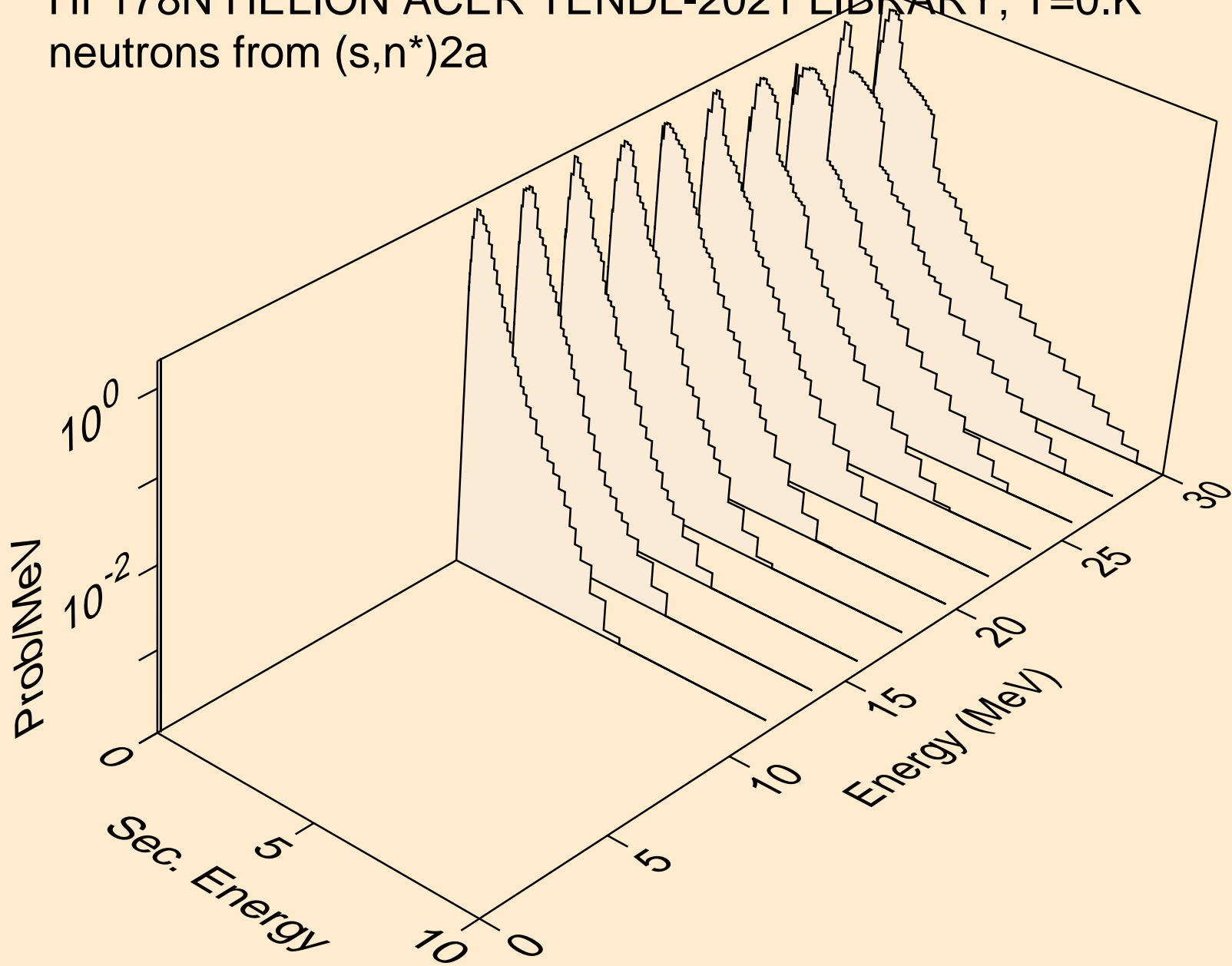
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neutrons from (s,3n)a



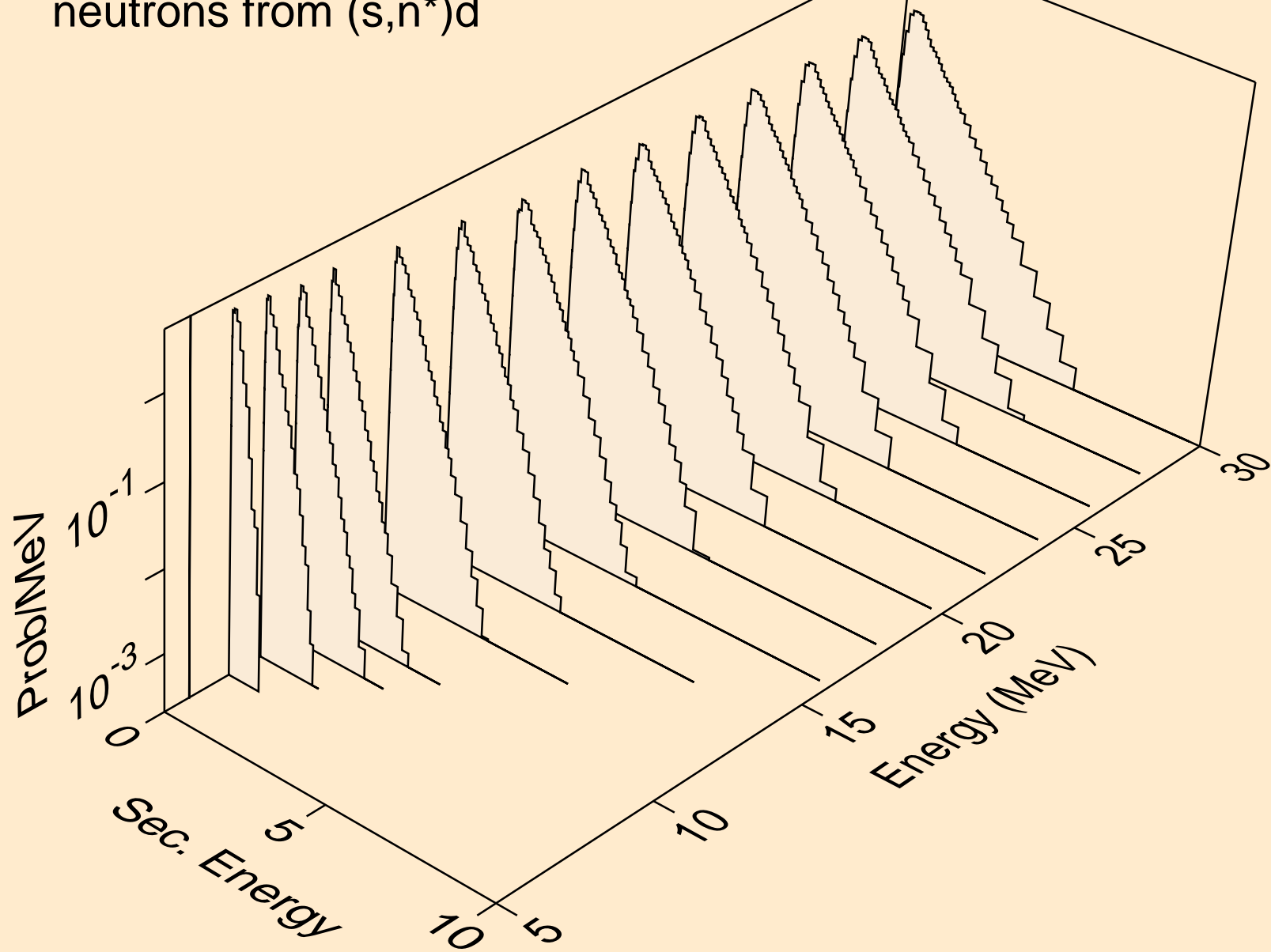
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neutrons from (s,n\*)p



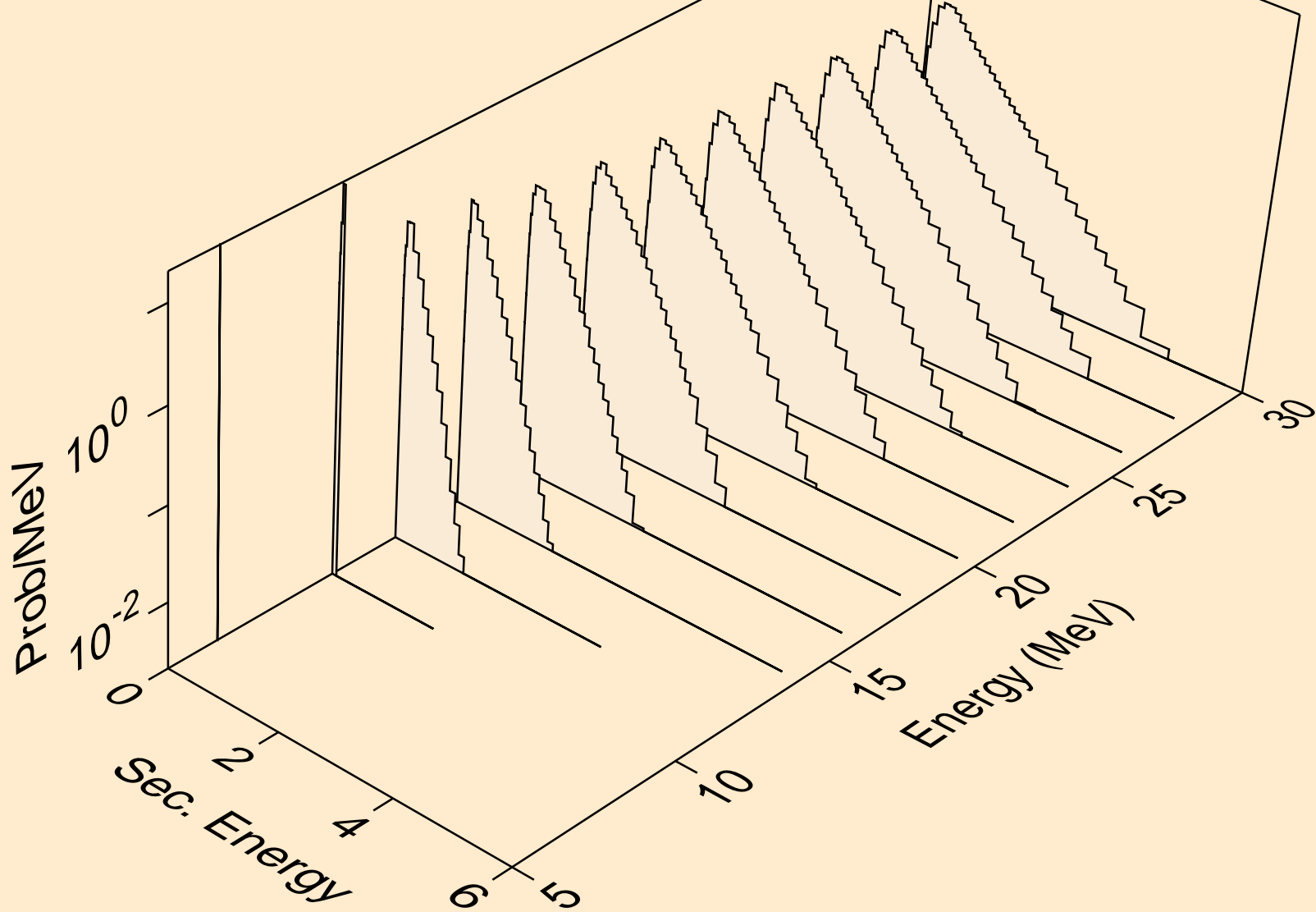
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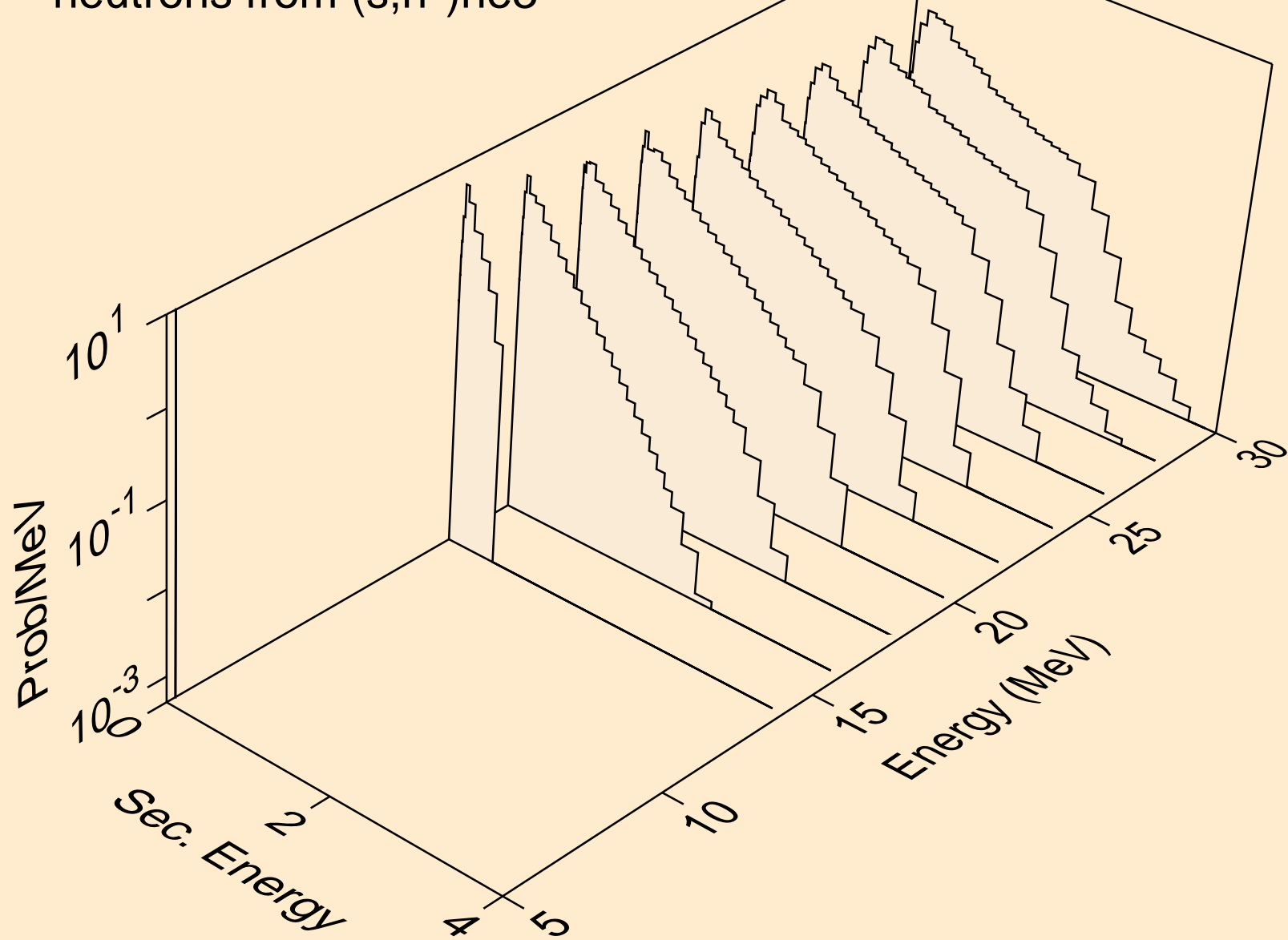
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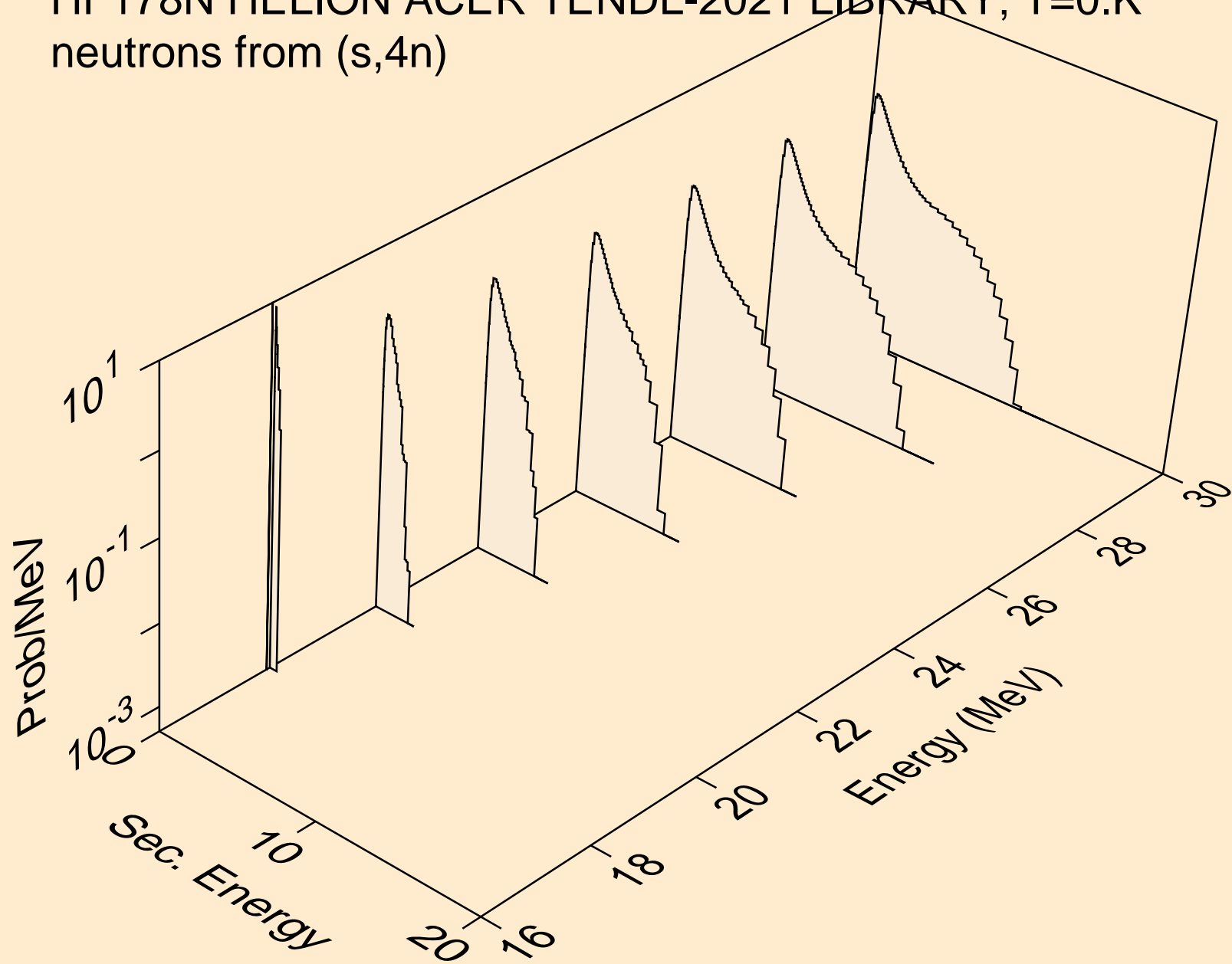
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)t



HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)he3

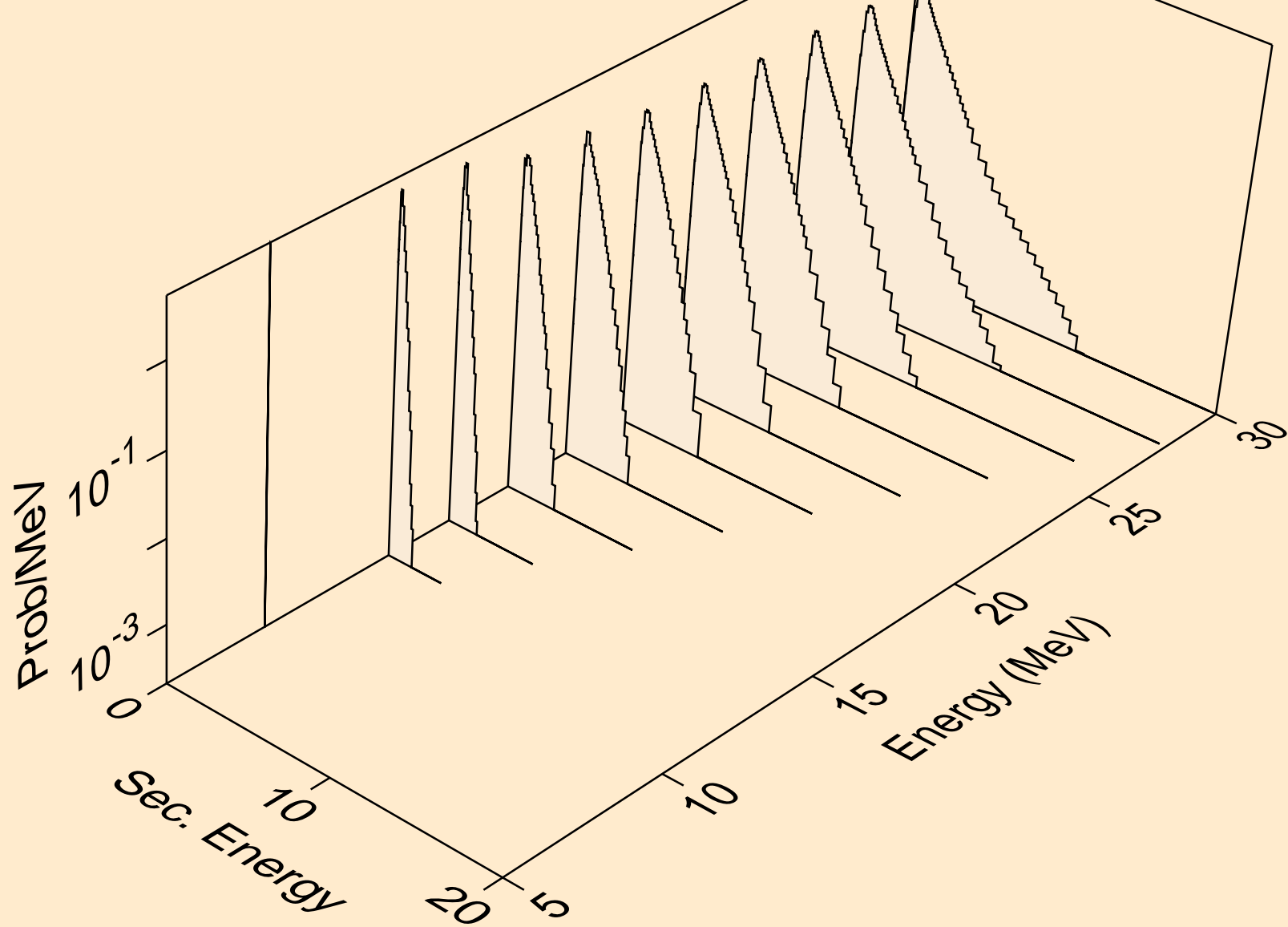


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neutrons from (s,4n)

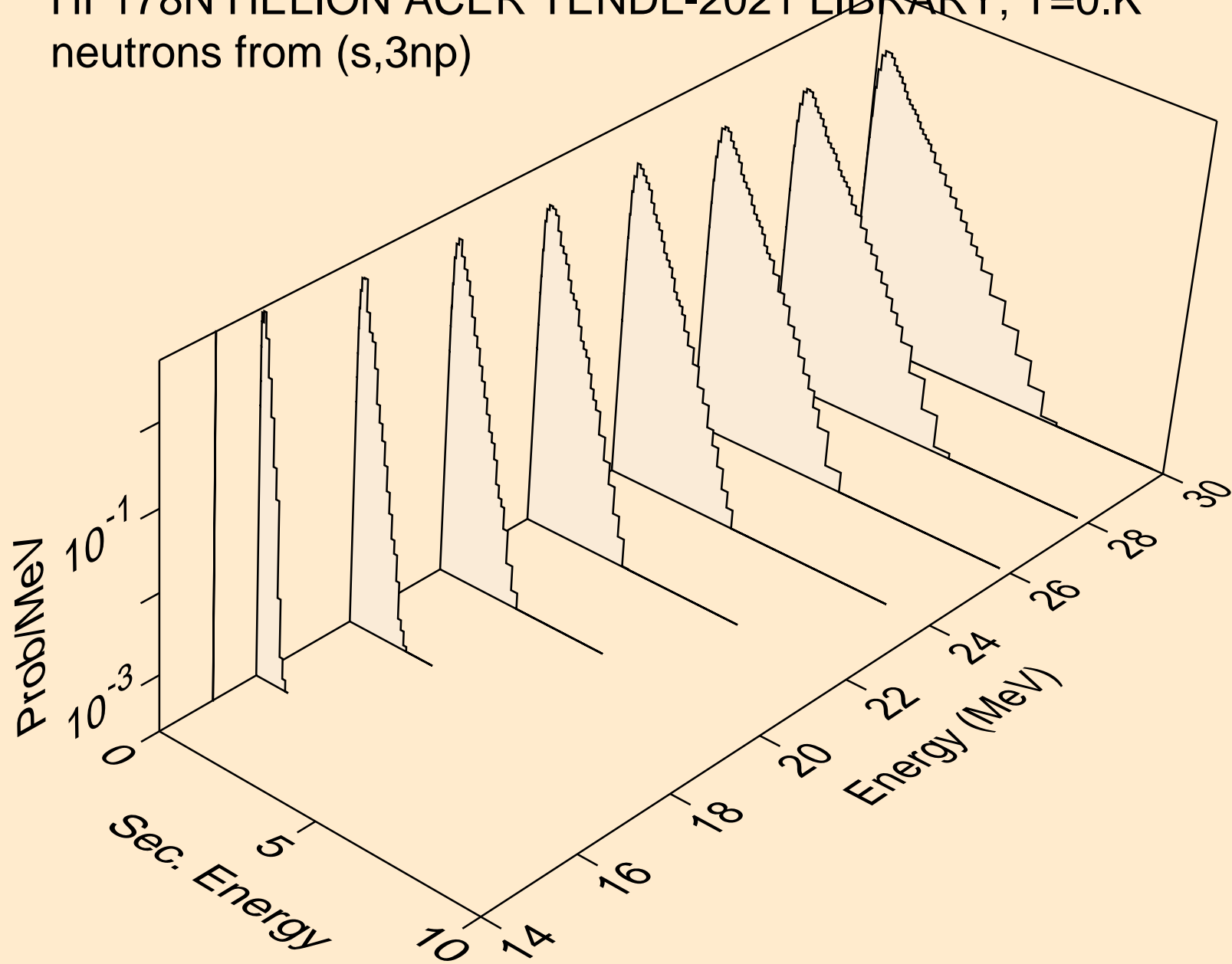




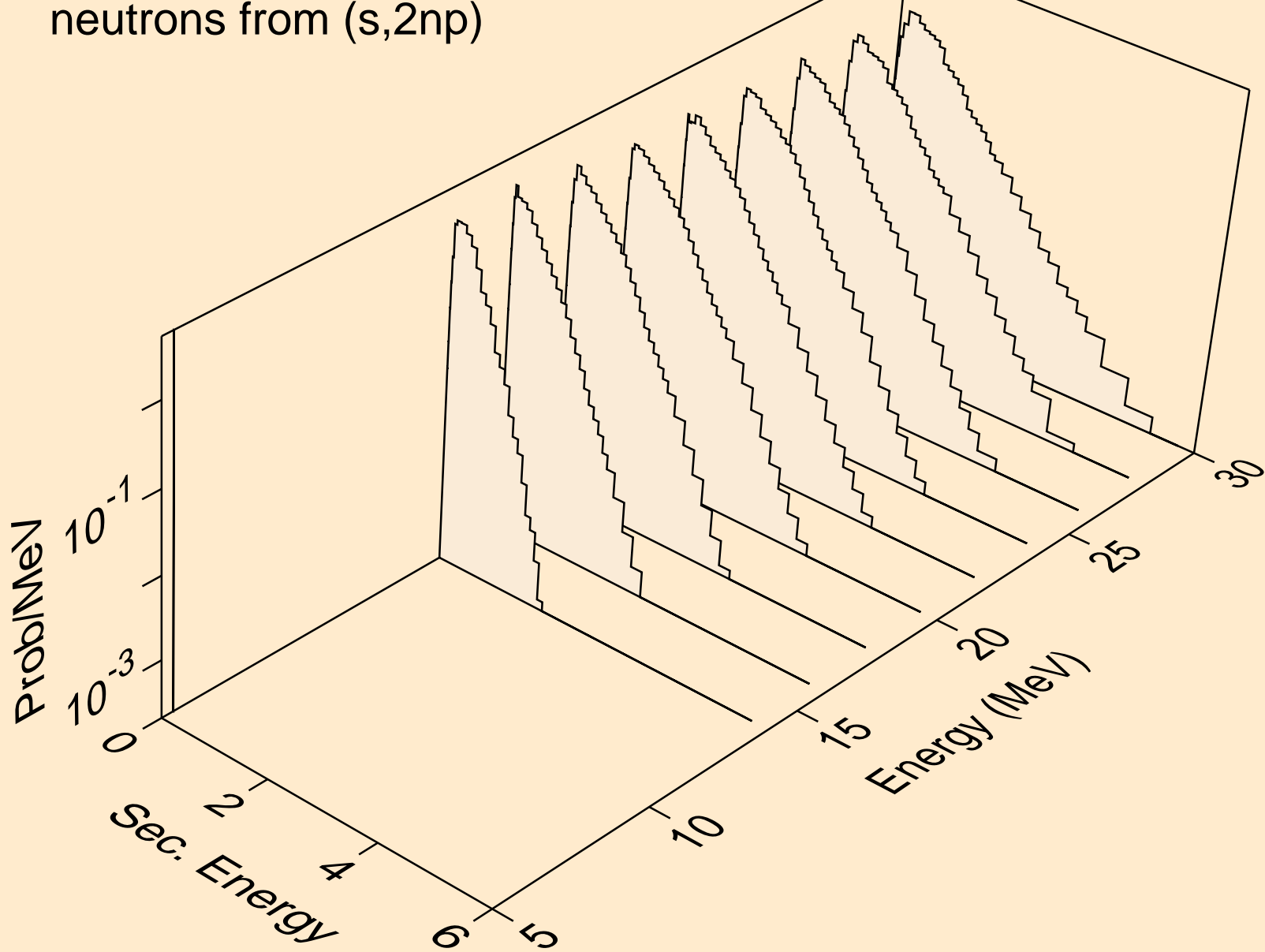
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neutrons from (s,2np)



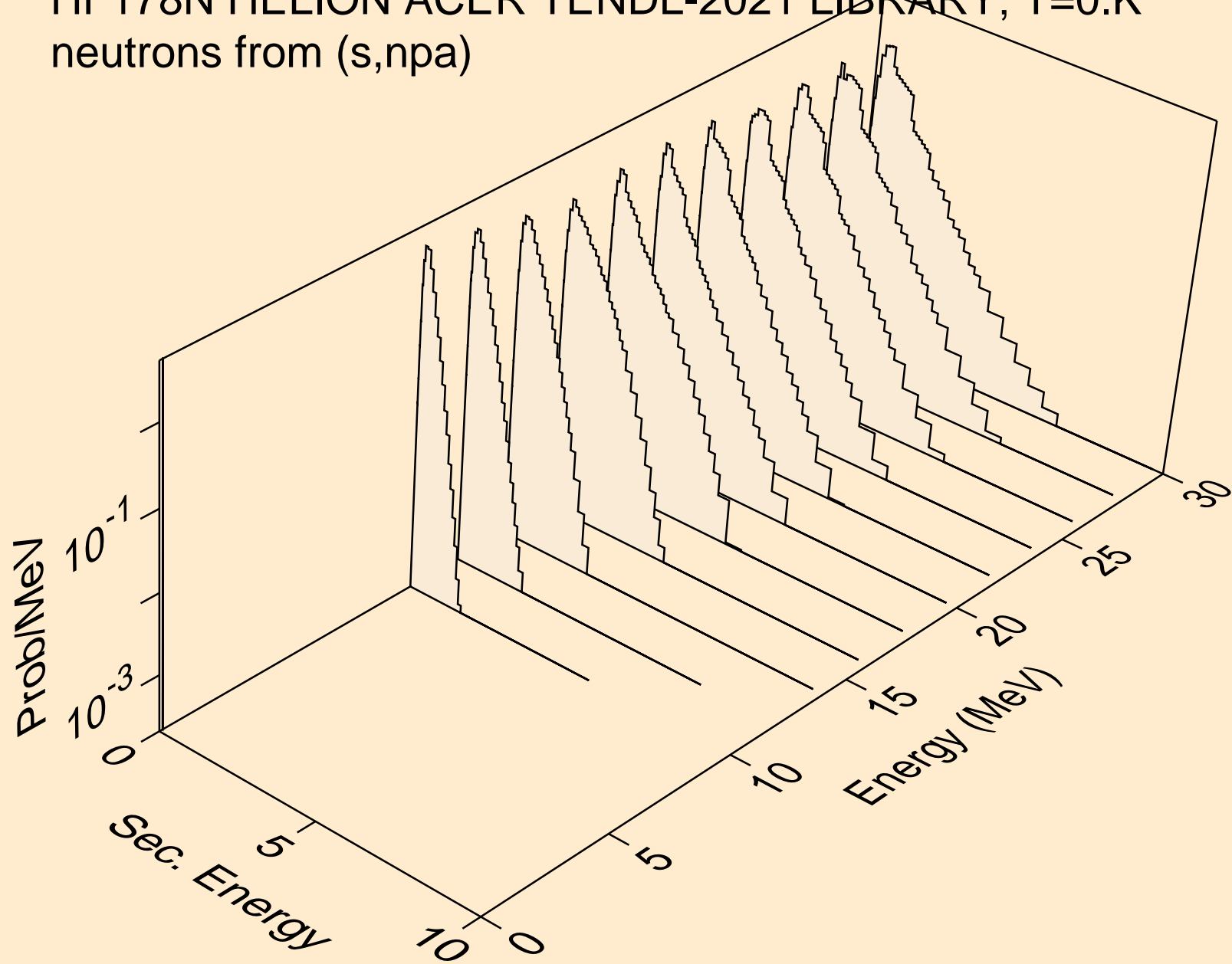
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,3np)



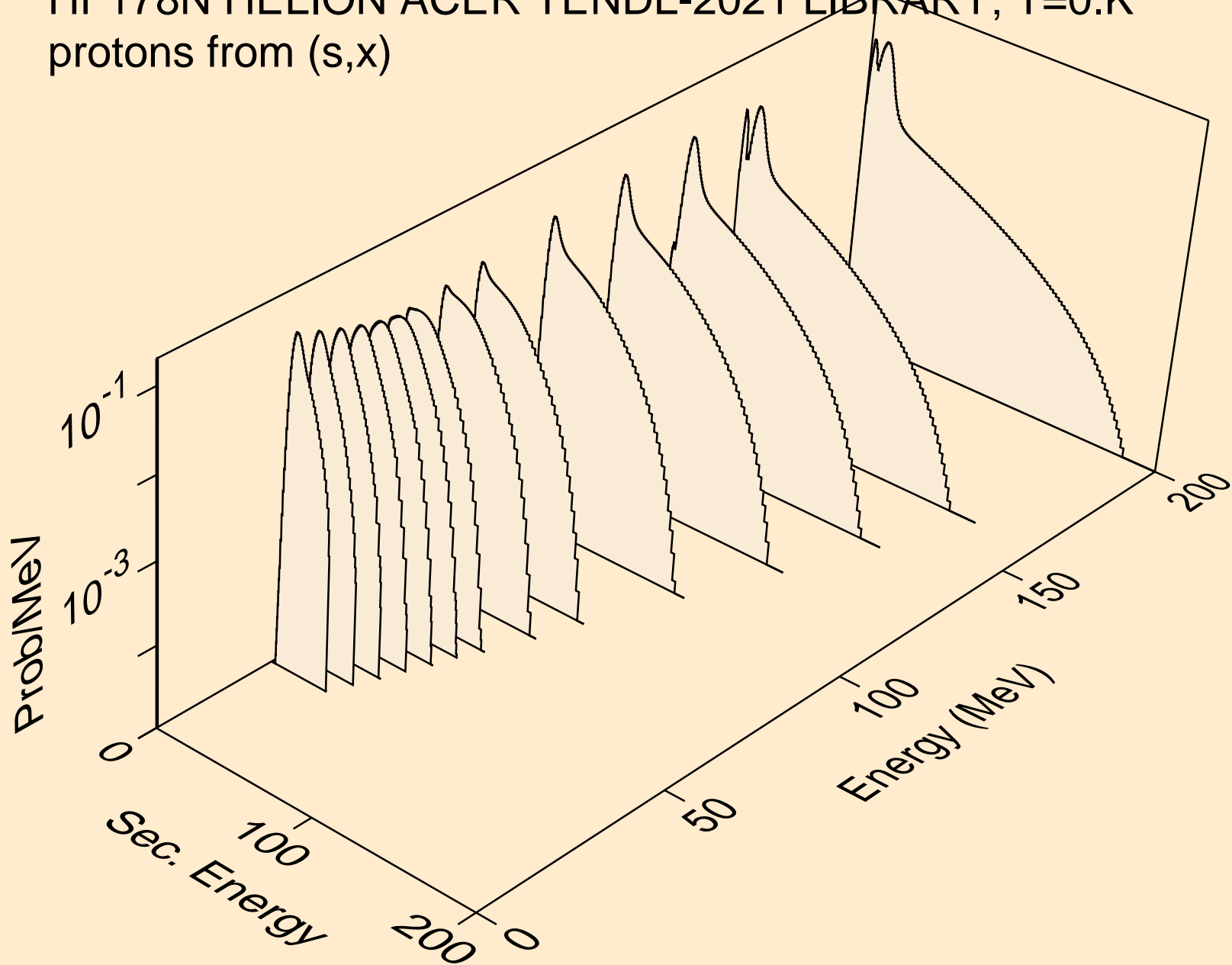
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2np)



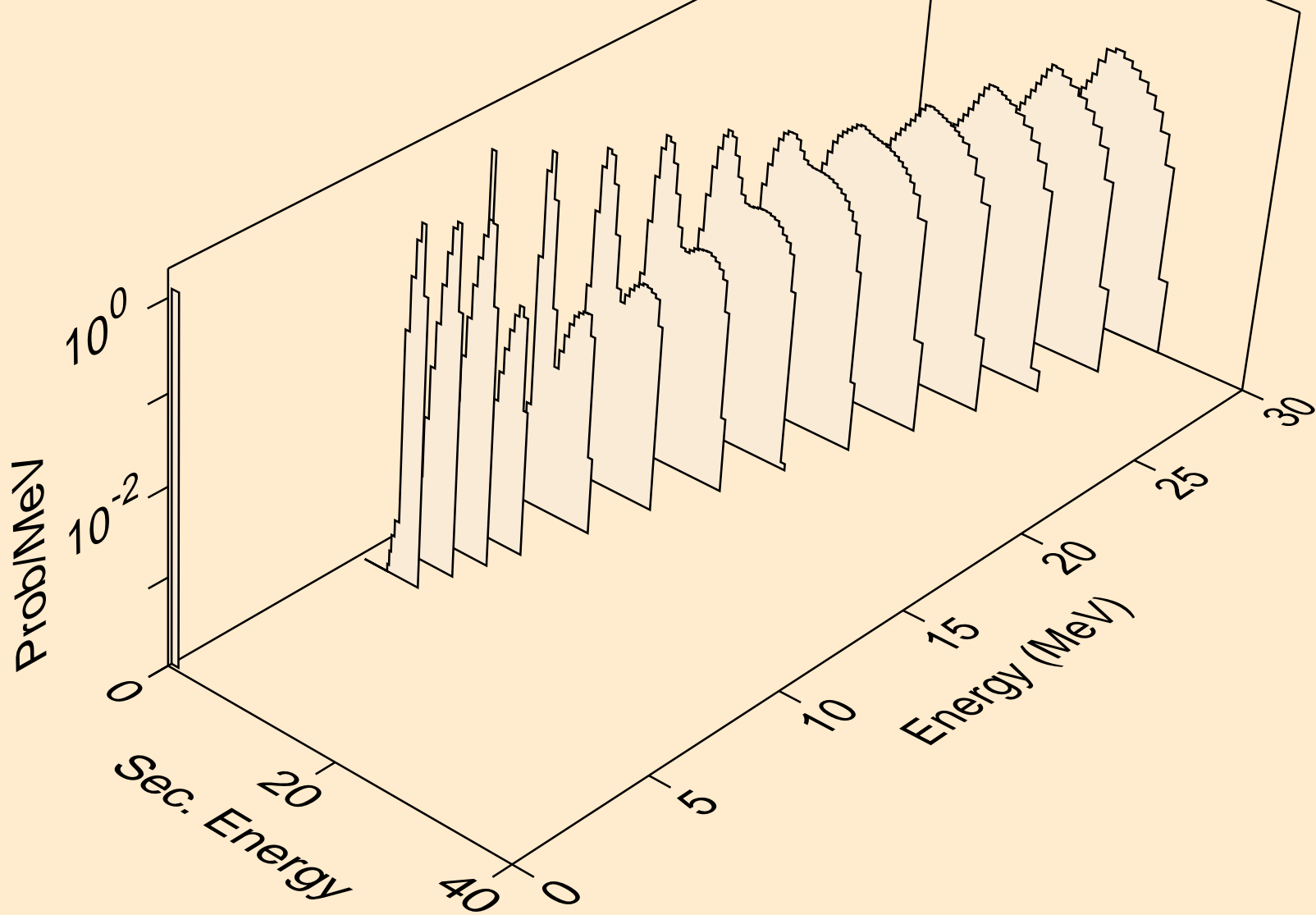
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,npa)



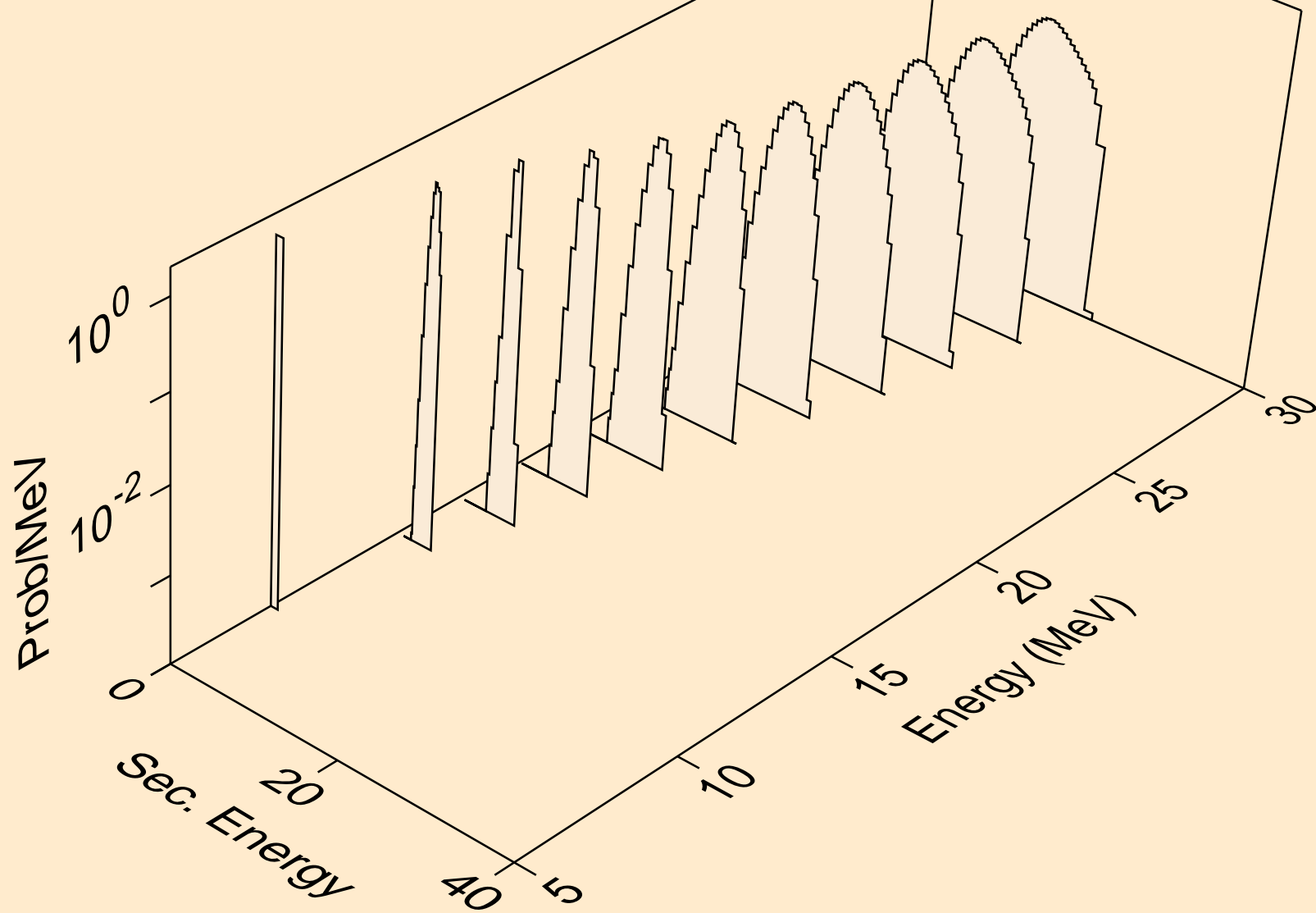
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,x)



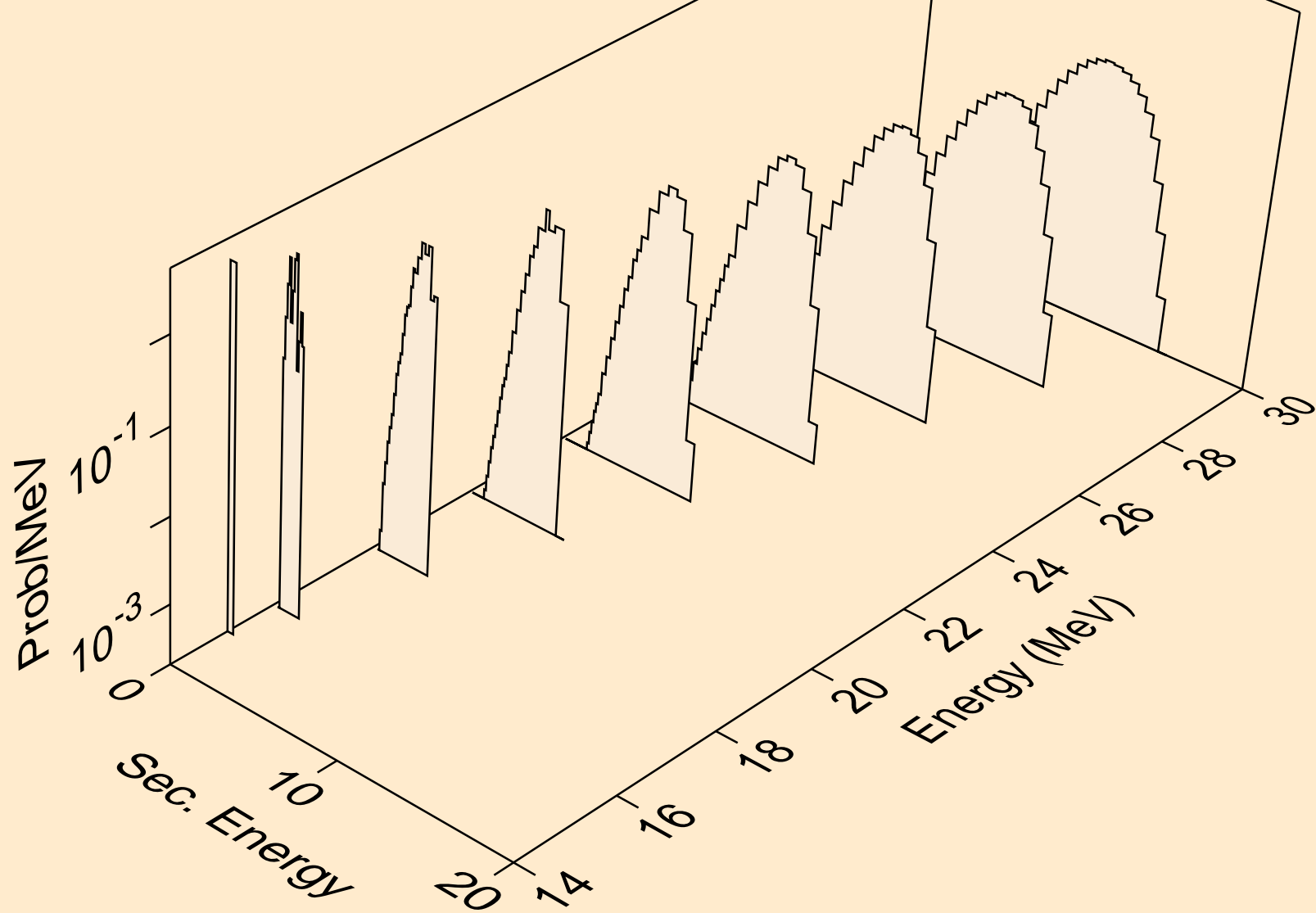
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,n\*)p



HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,2np)

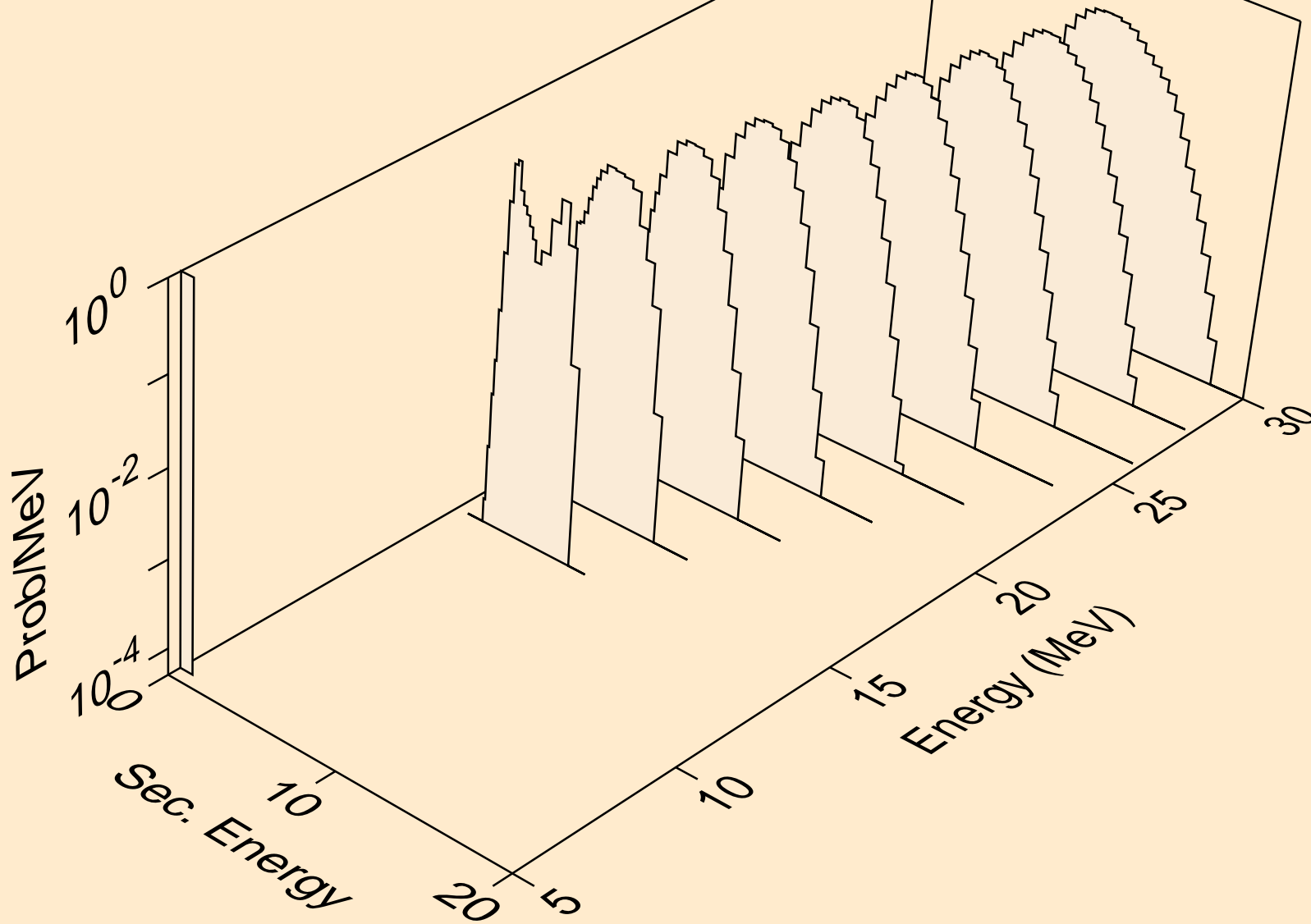


HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,3np)

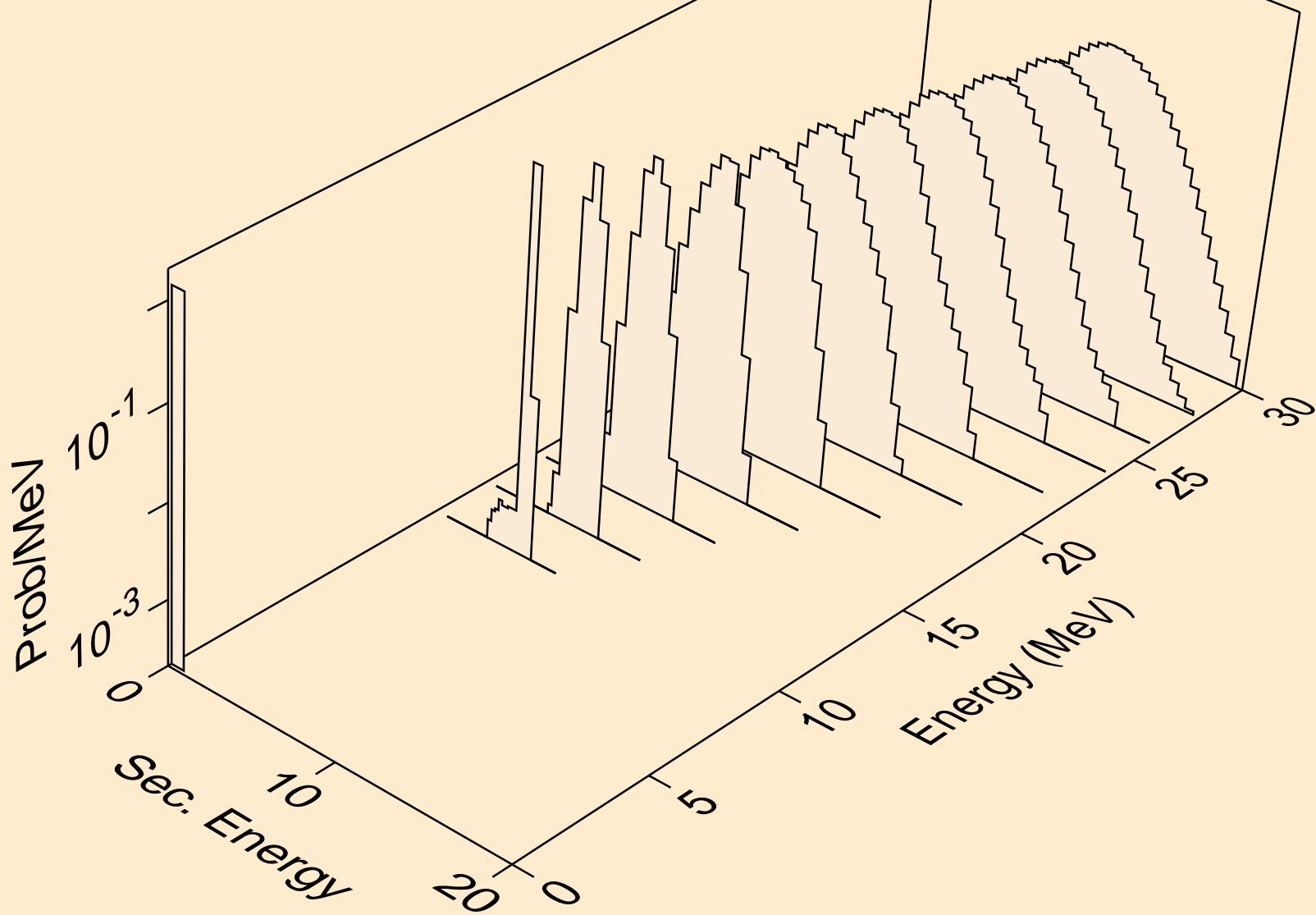




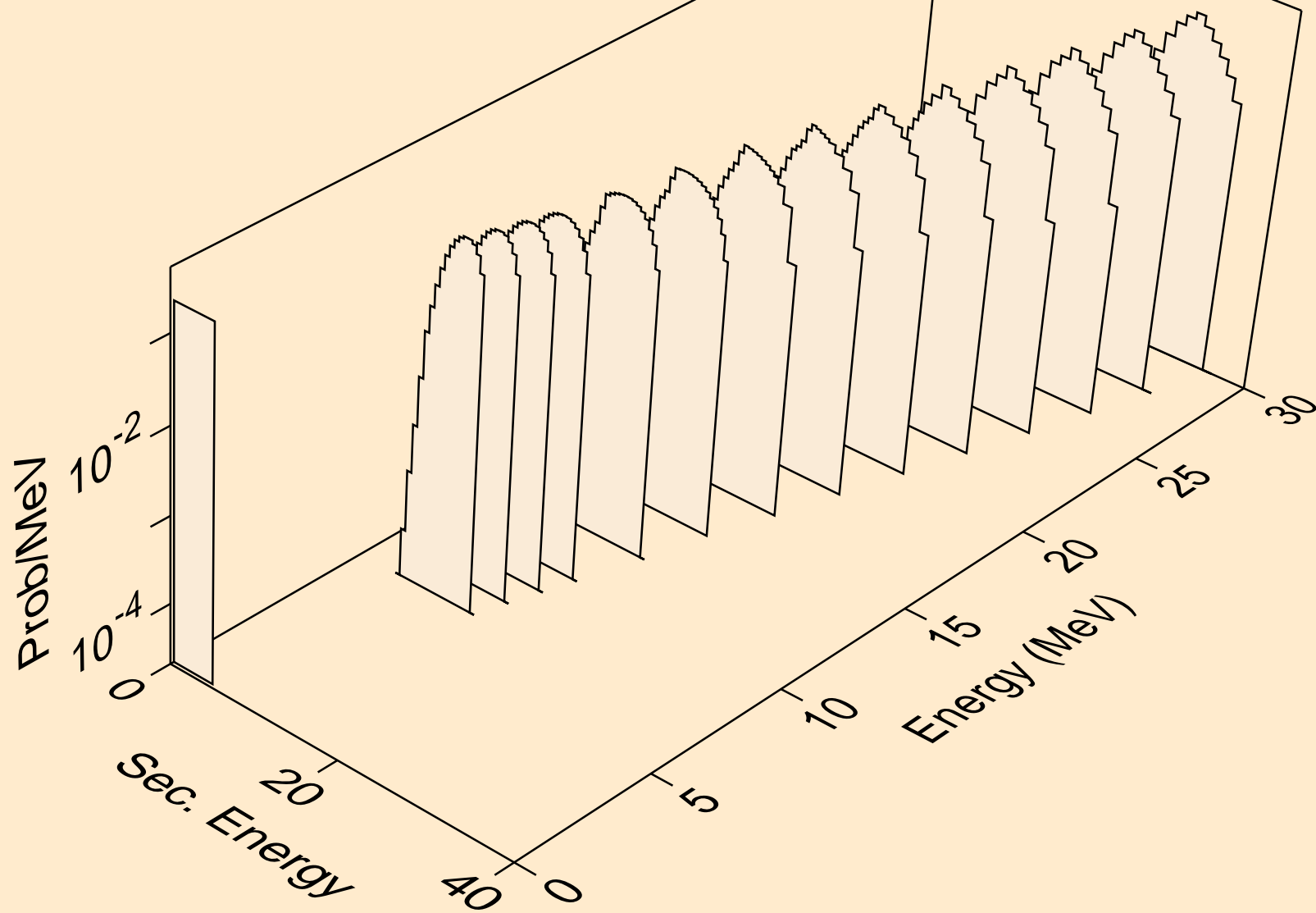
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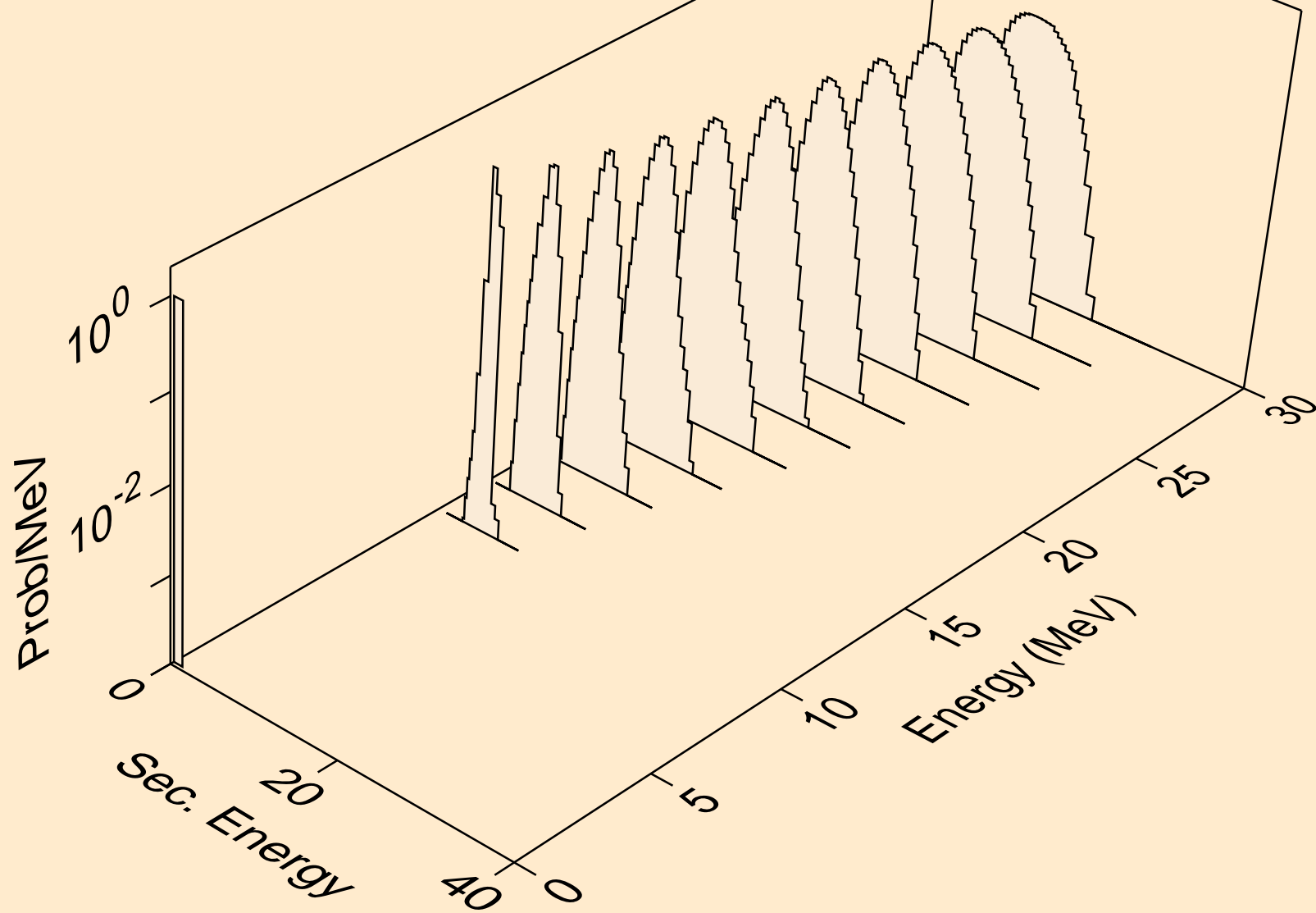
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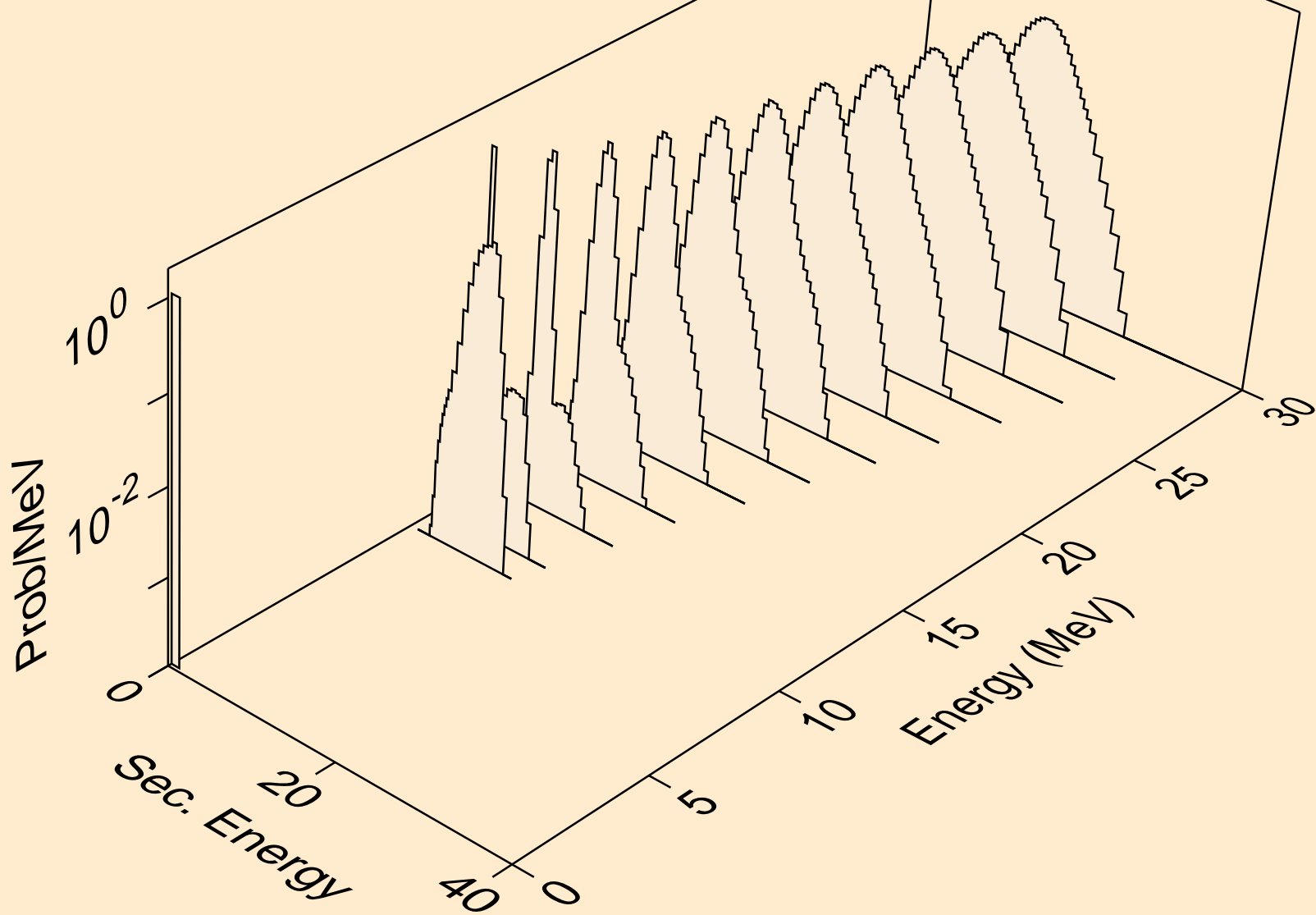
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protons from (s,p)



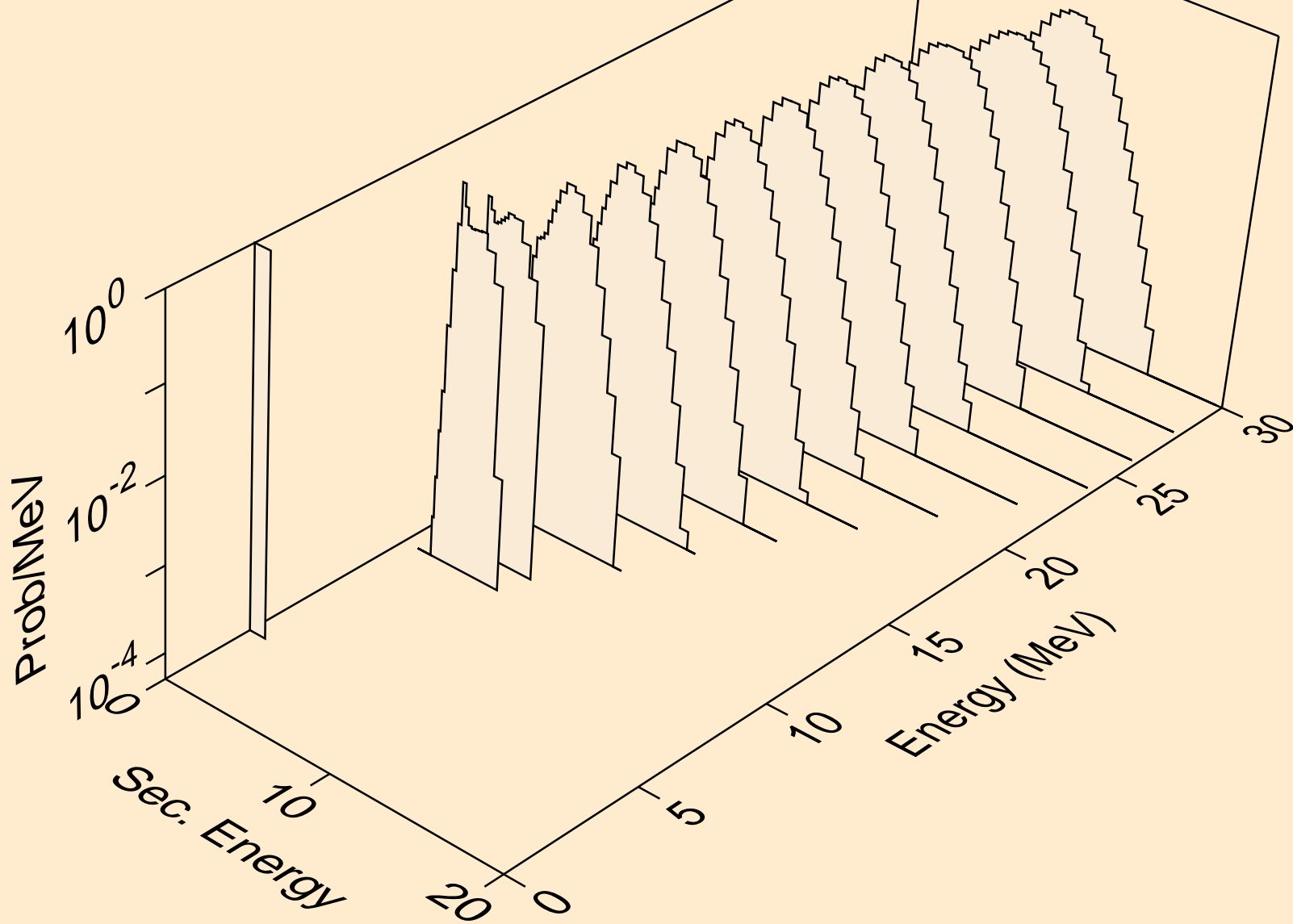
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protons from (s,2p)



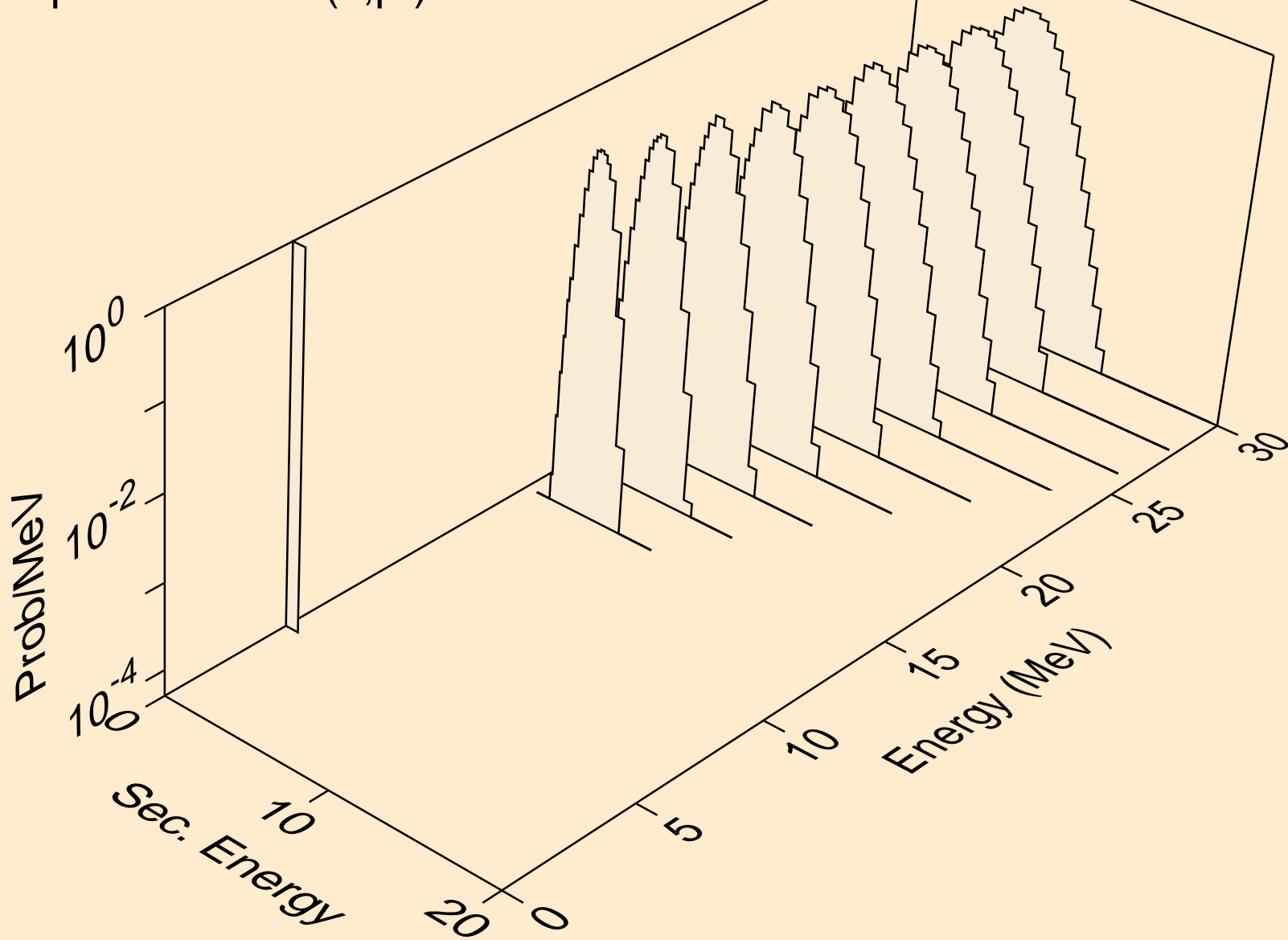
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,pa)



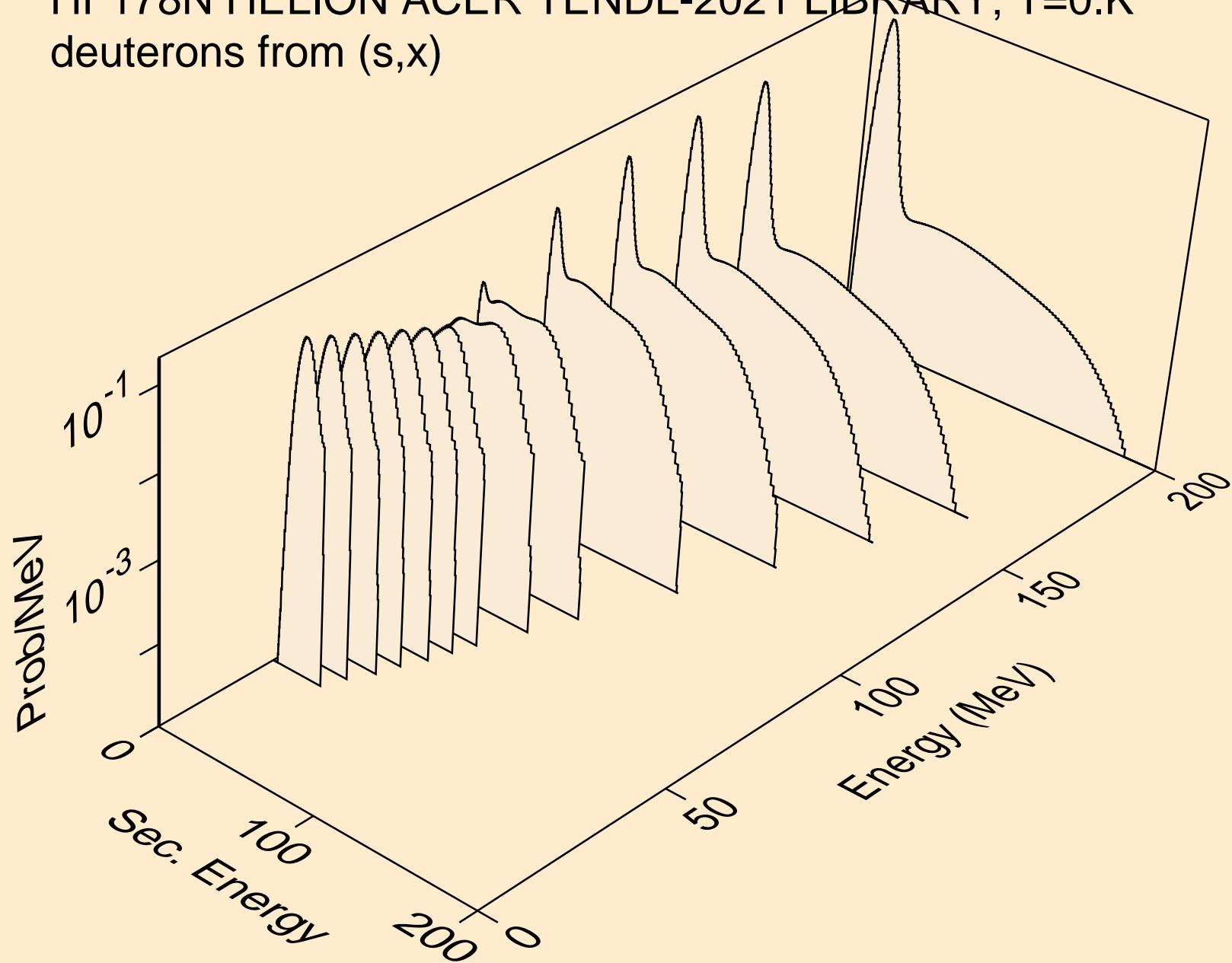
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,pd)



HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,pt)

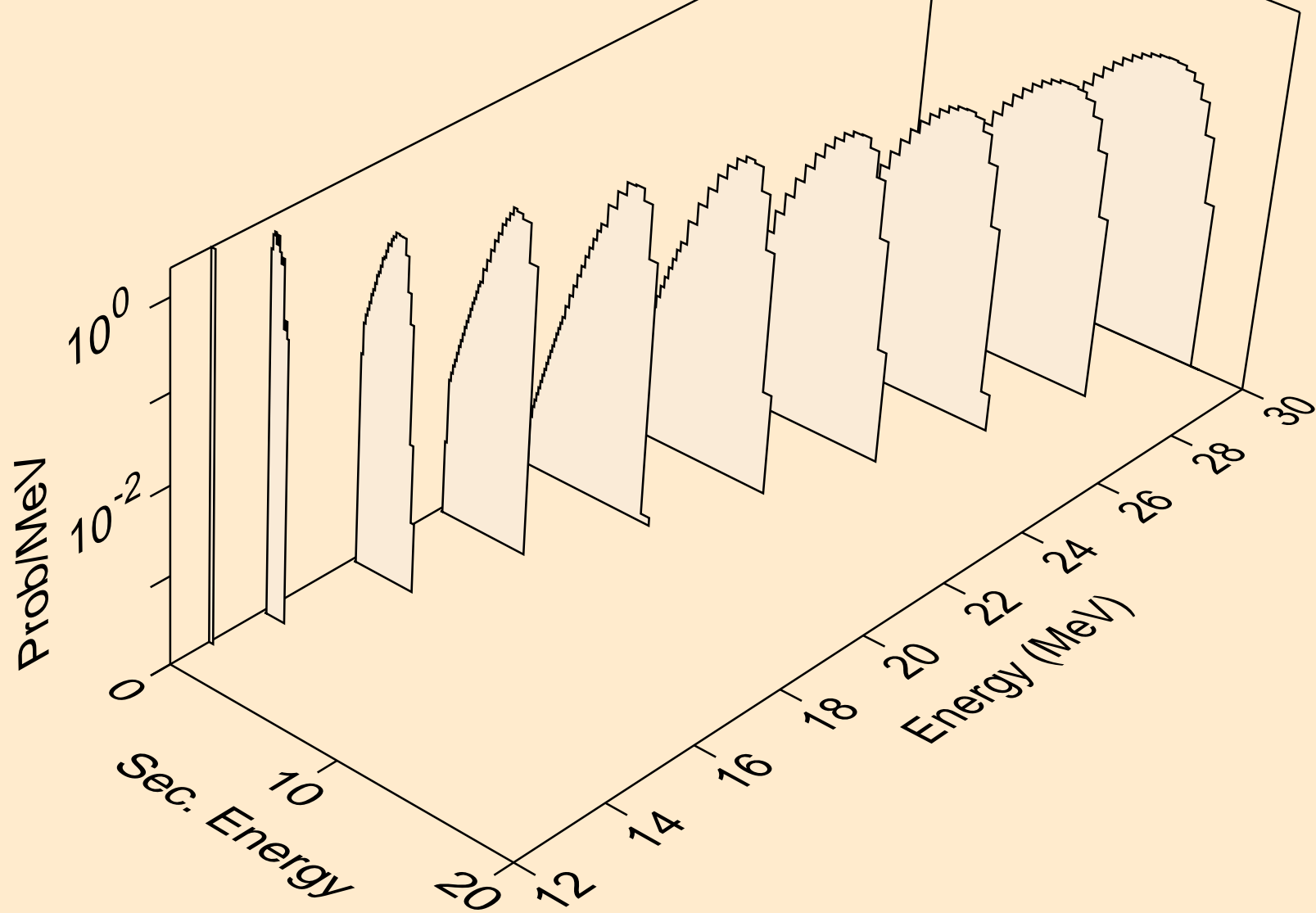


HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,x)

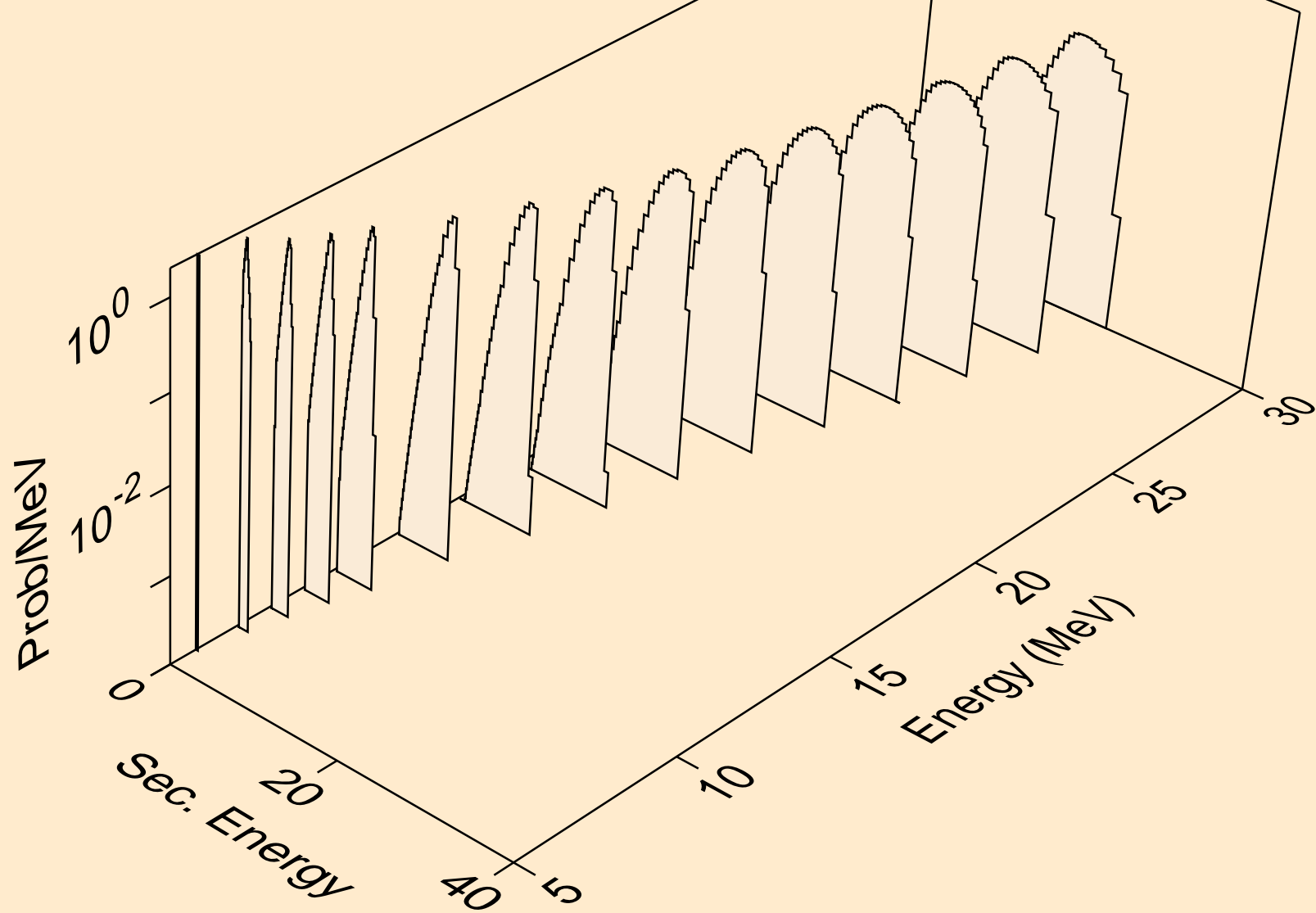




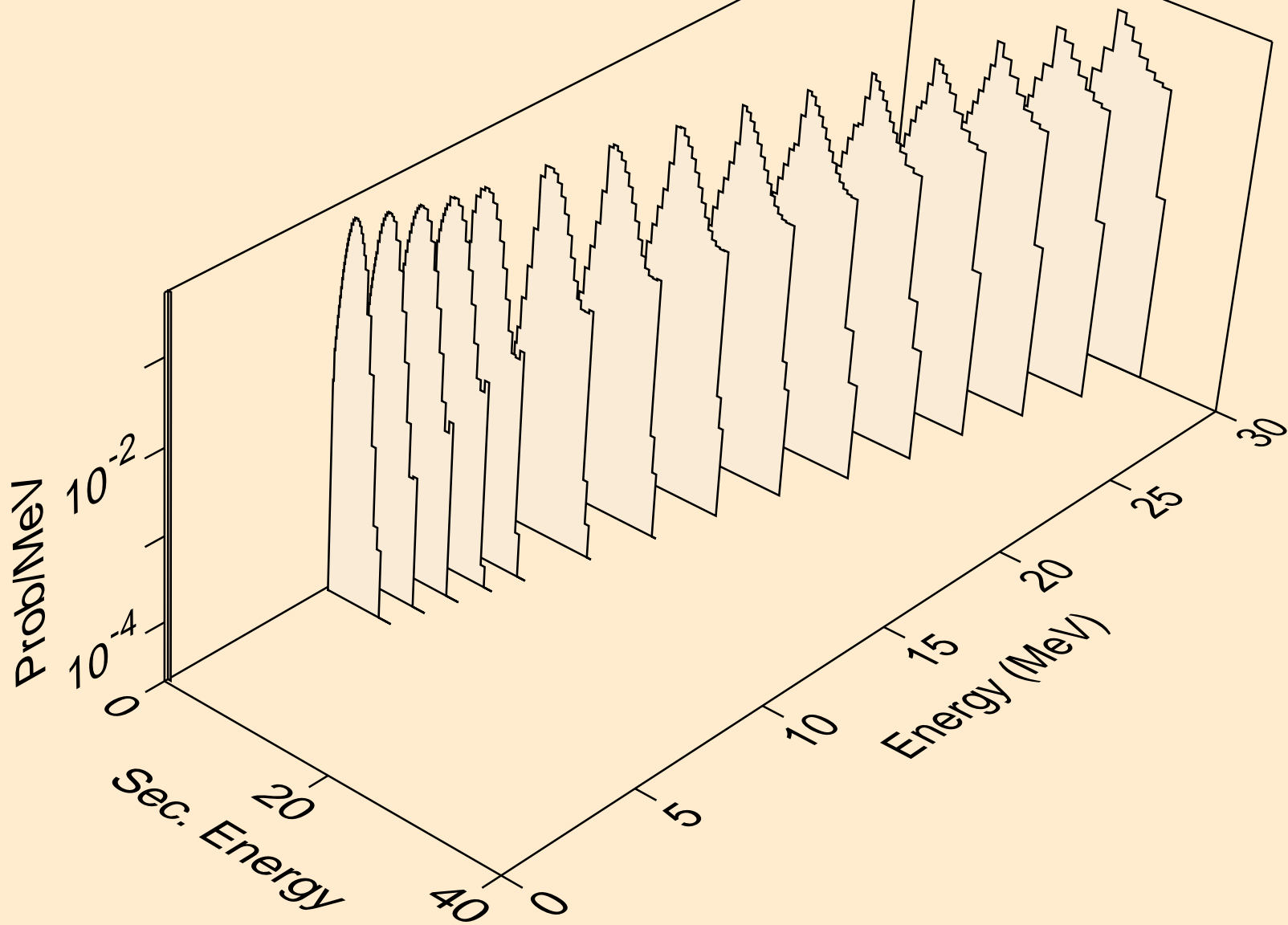
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
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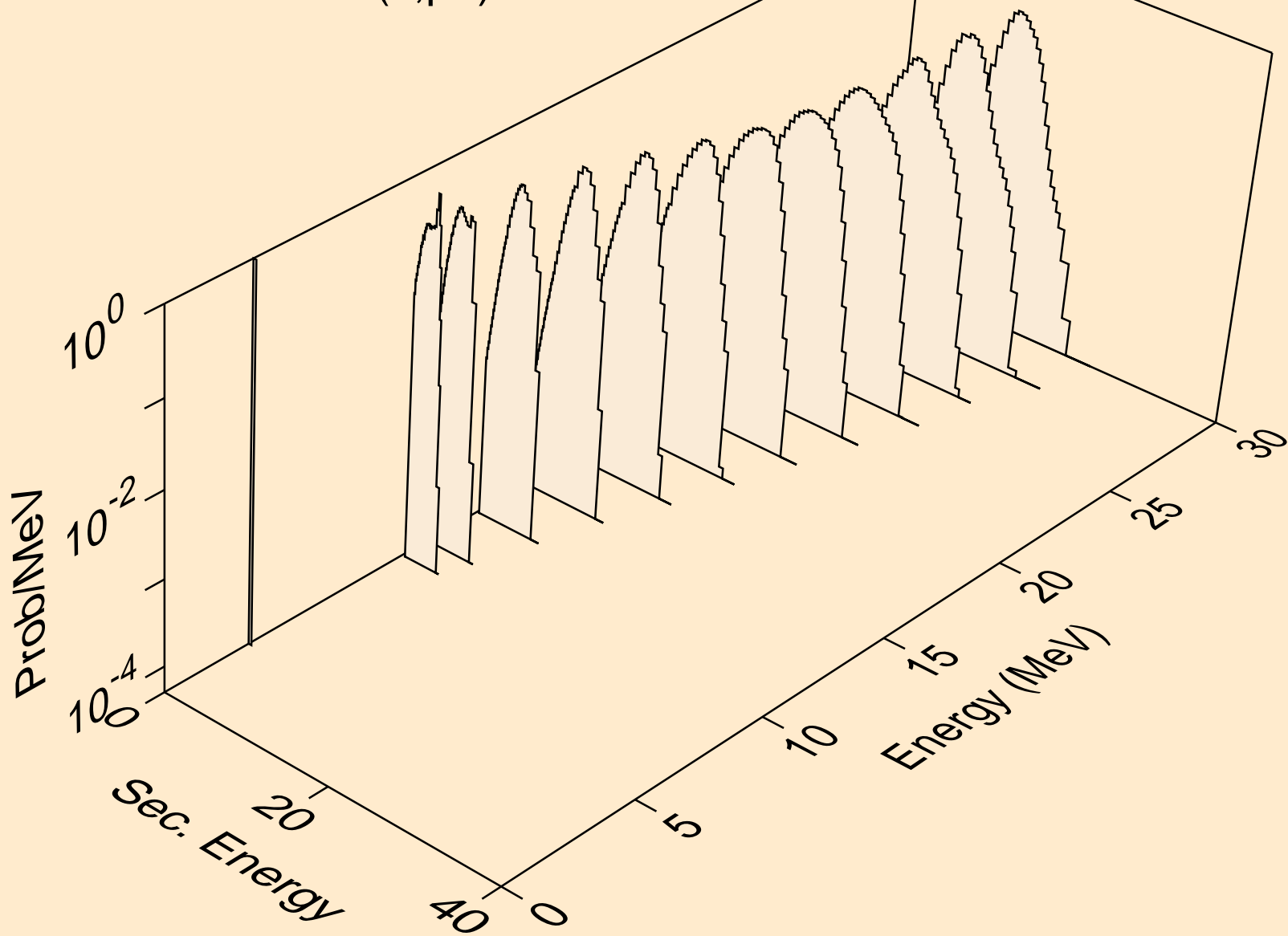
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,n\*)d



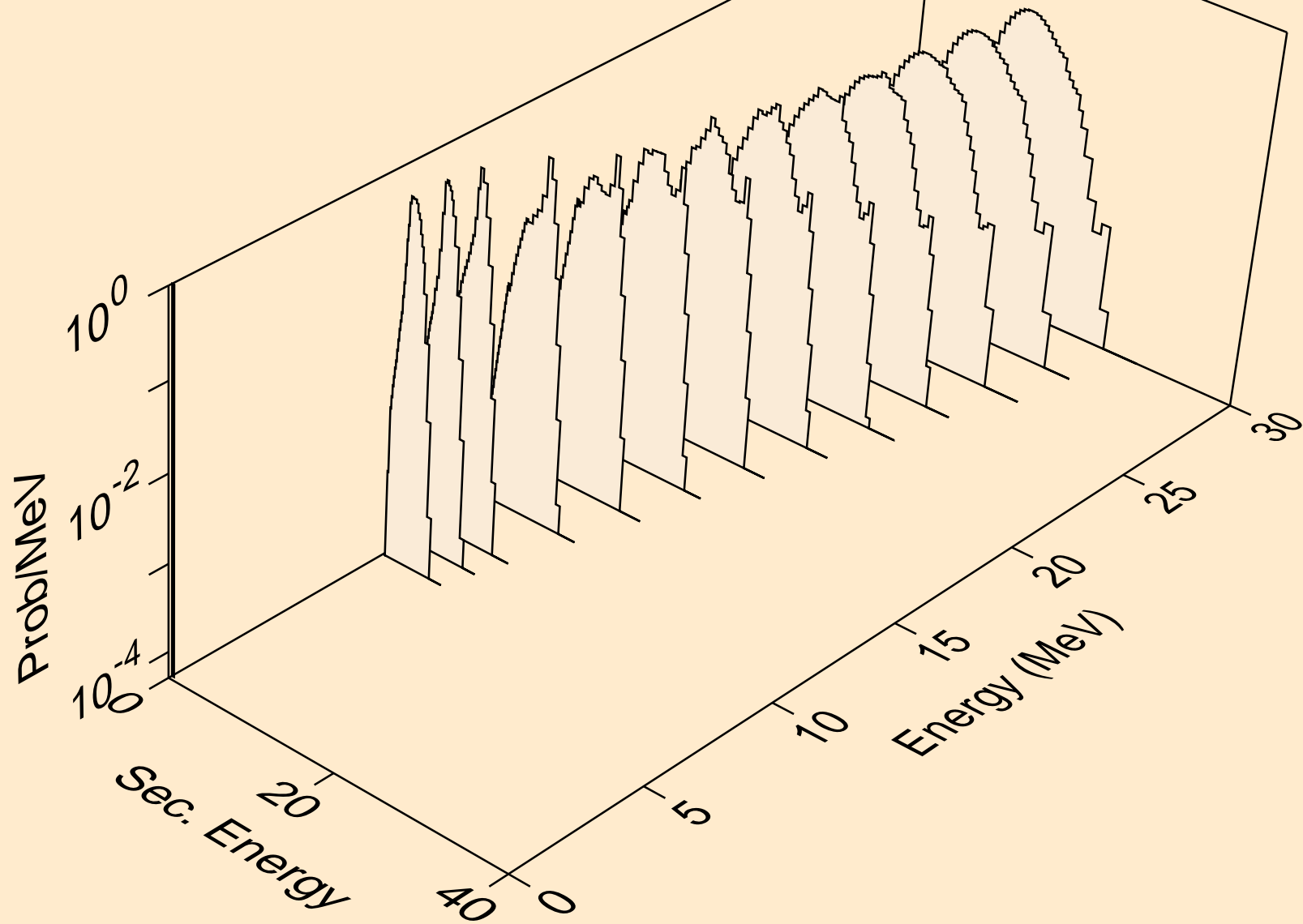
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deuterons from (s,d)



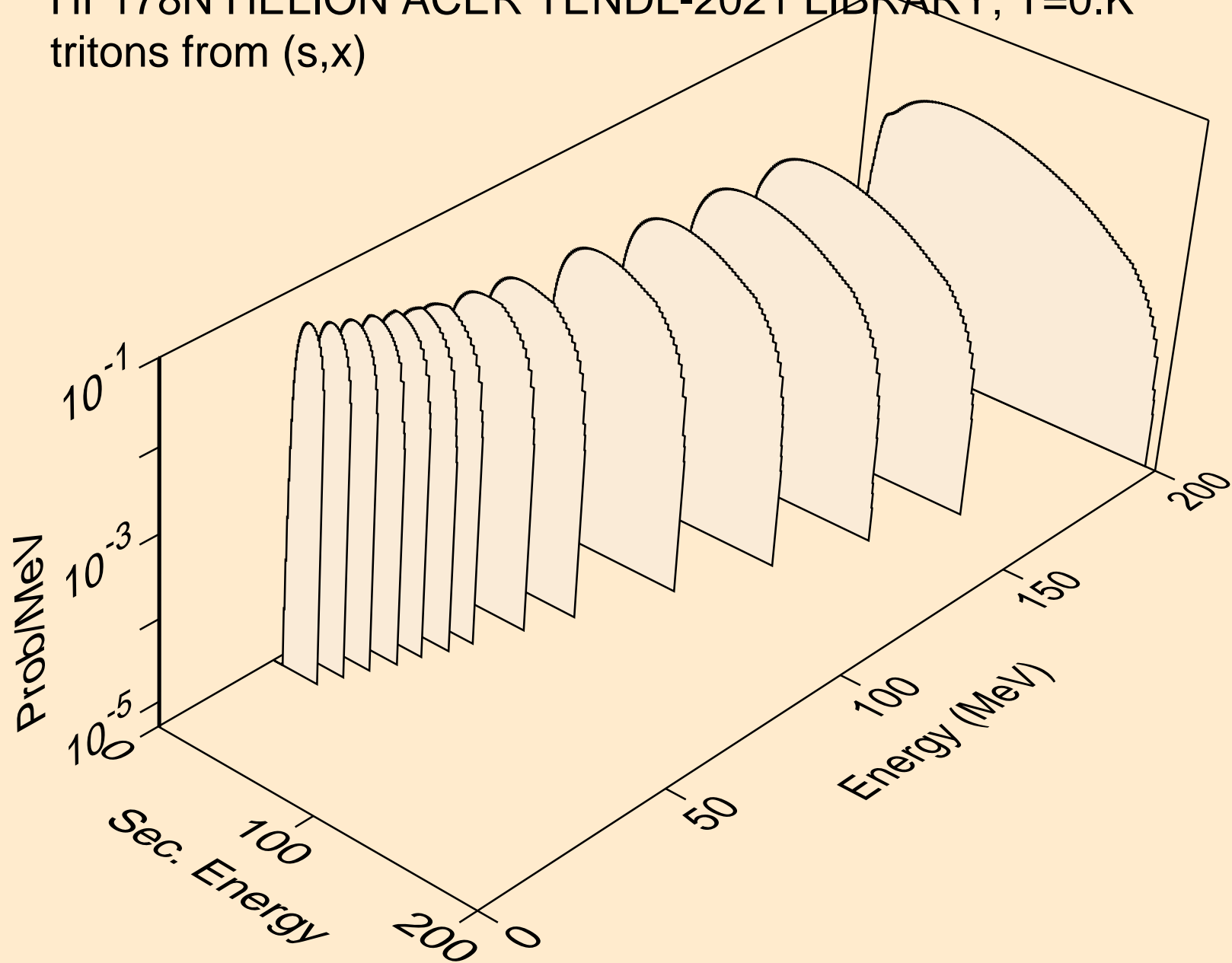
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,pd)



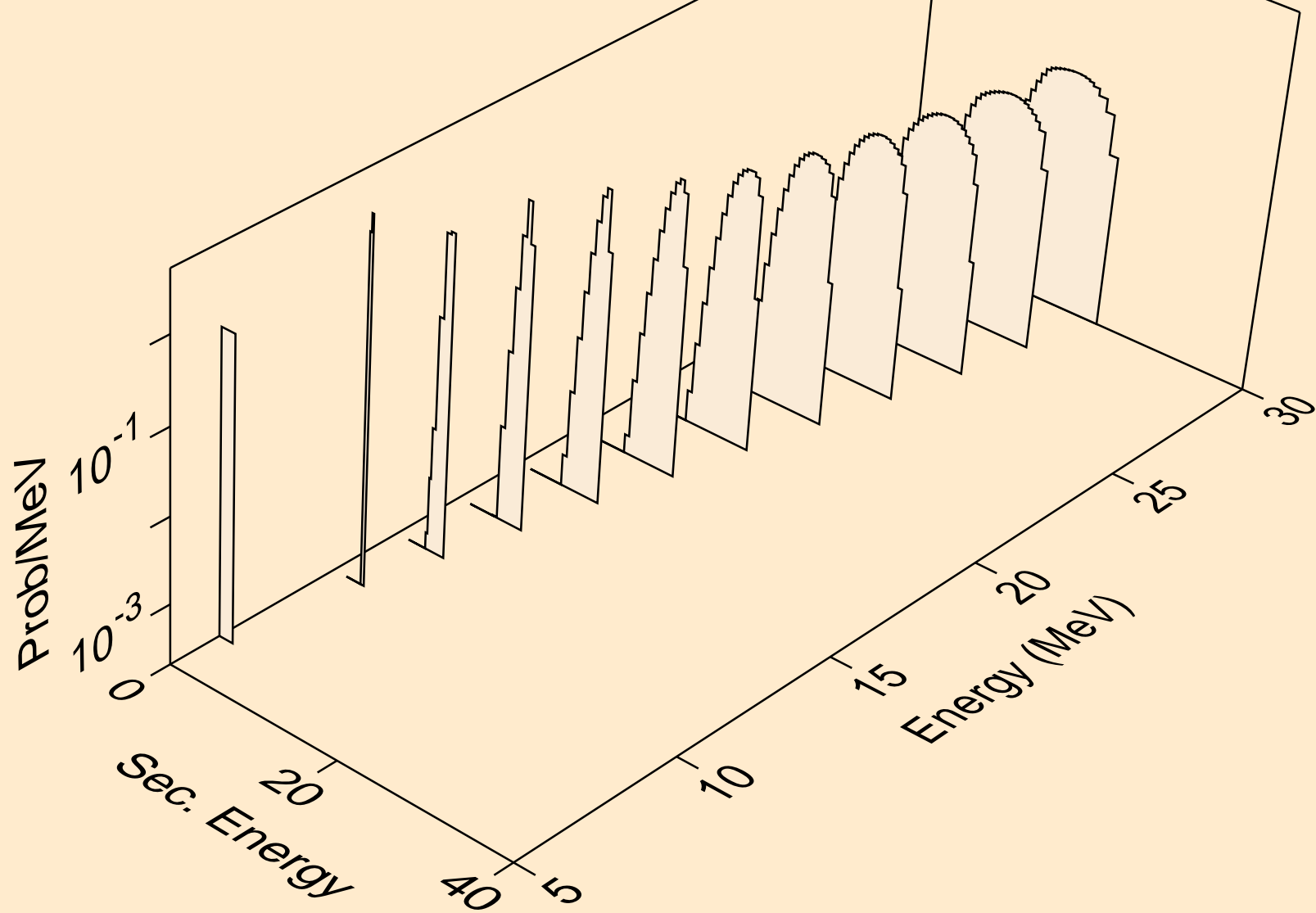
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,da)



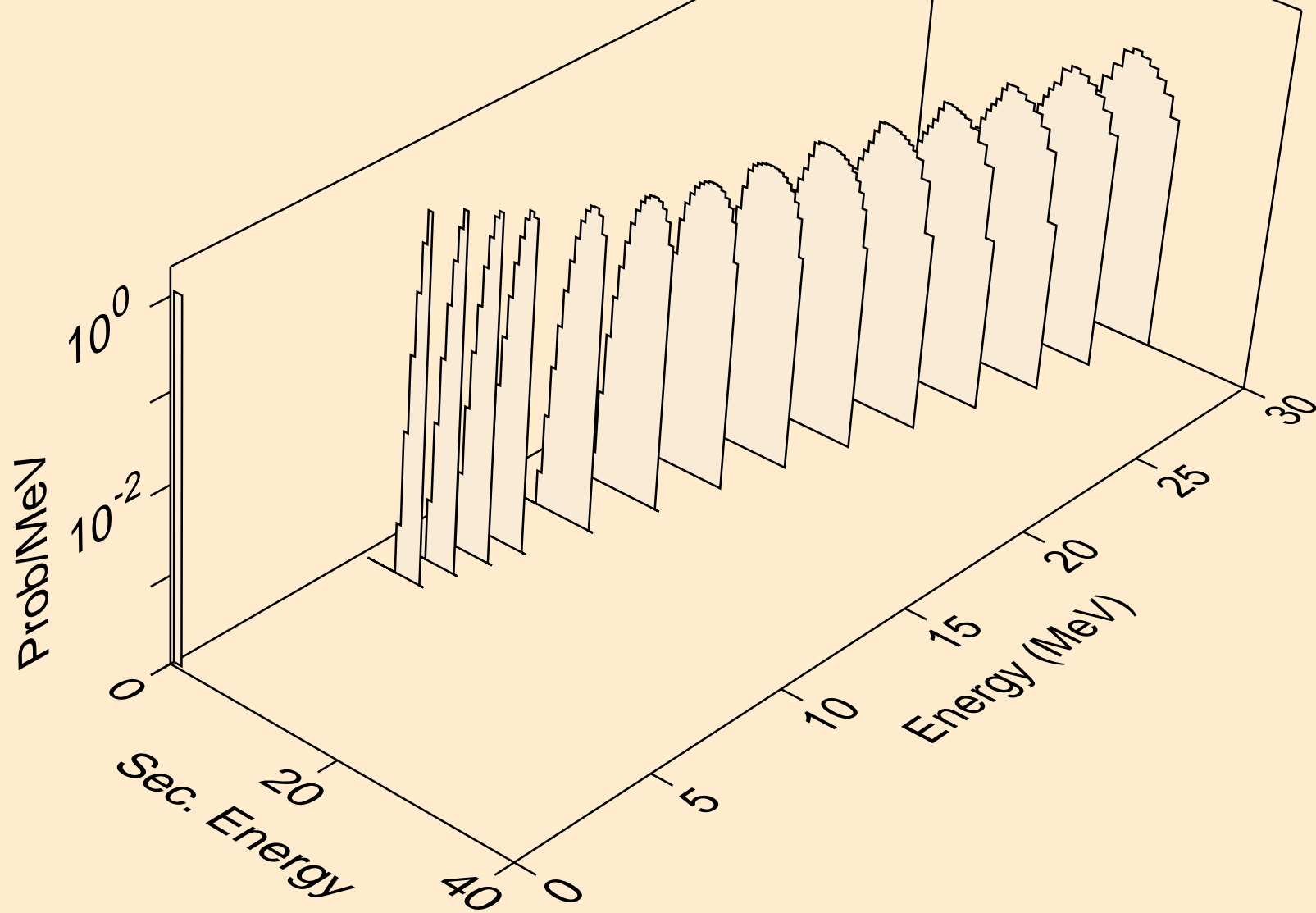
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,x)



HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,n\*)t

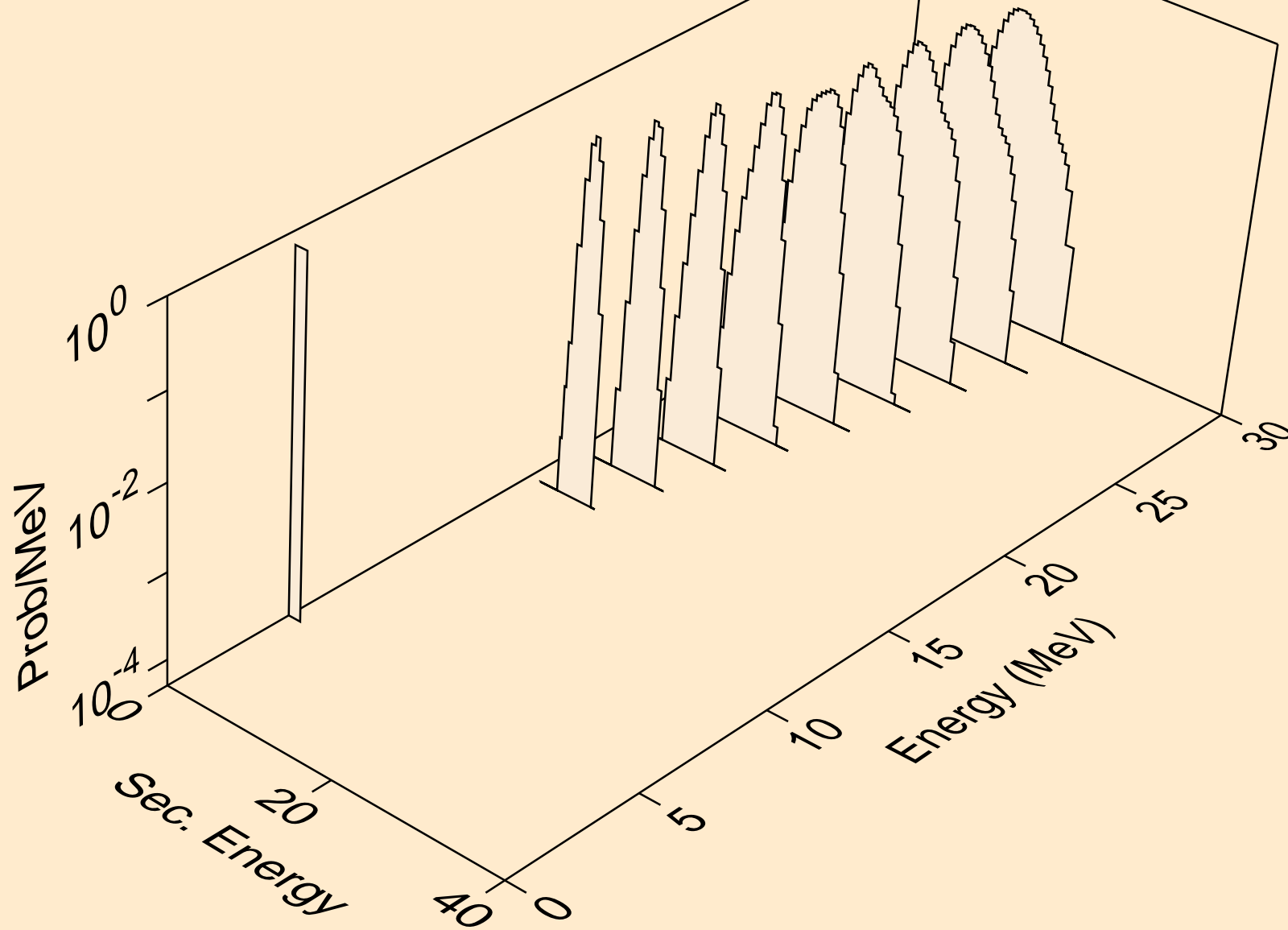


HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,t)

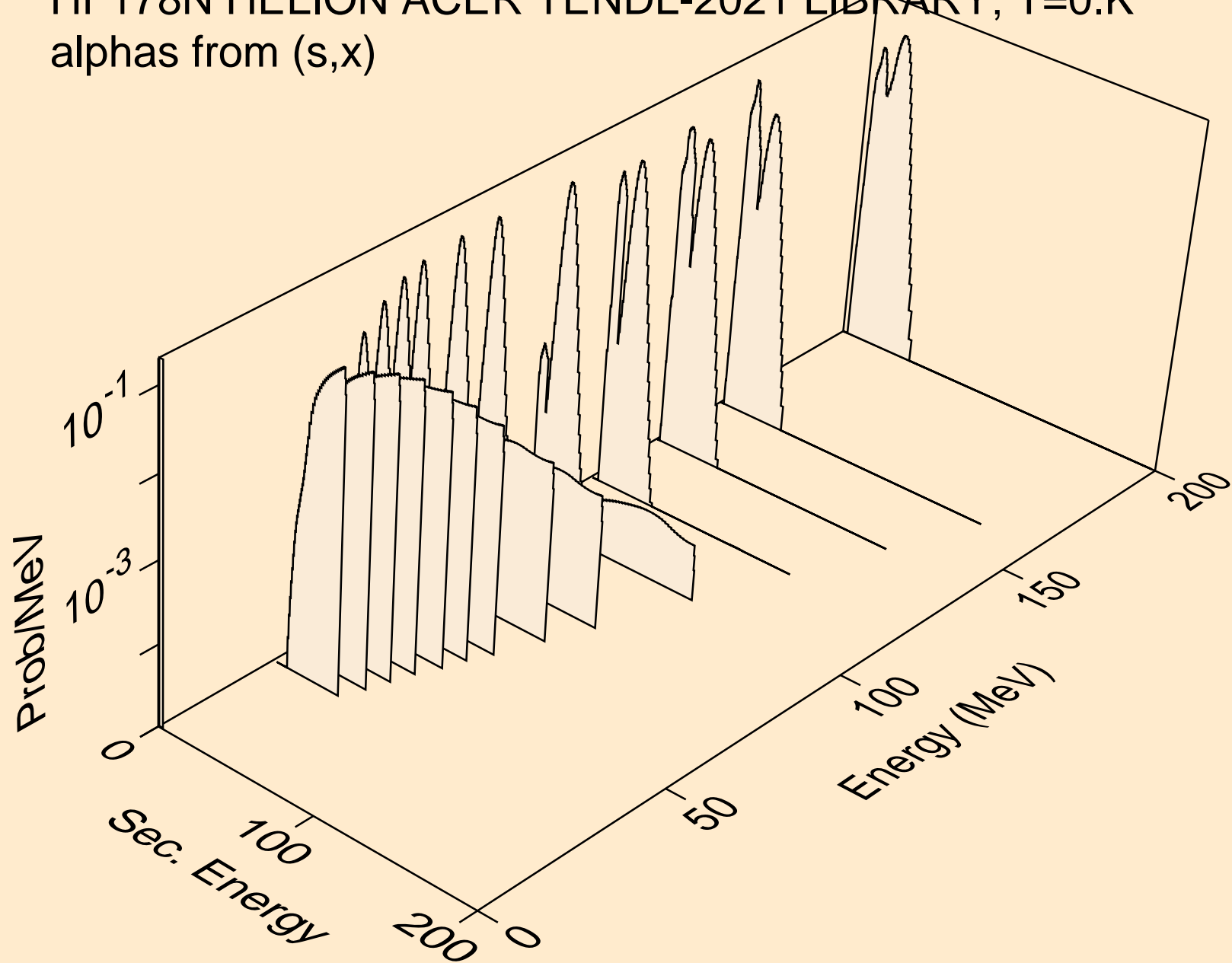




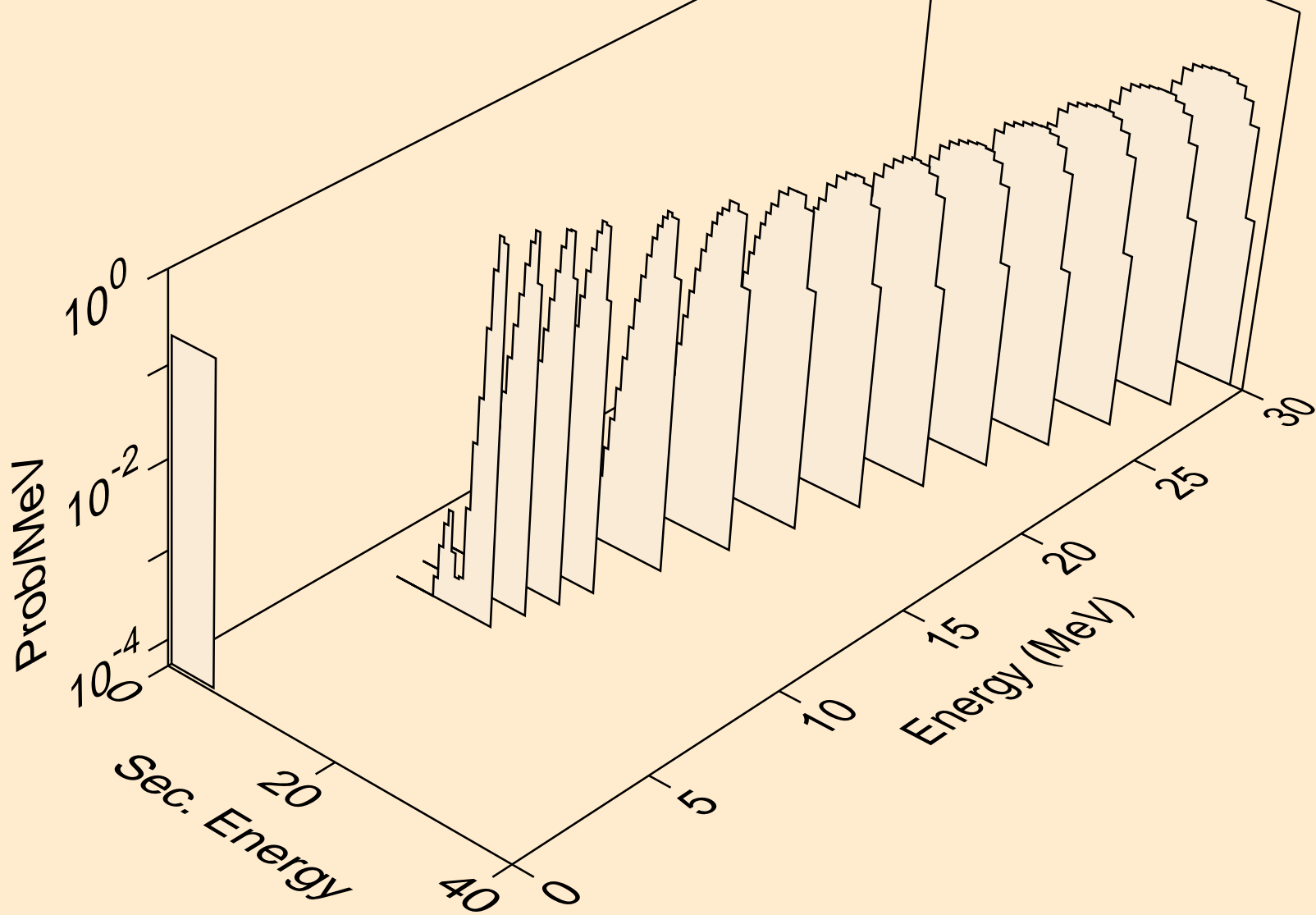
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,pt)



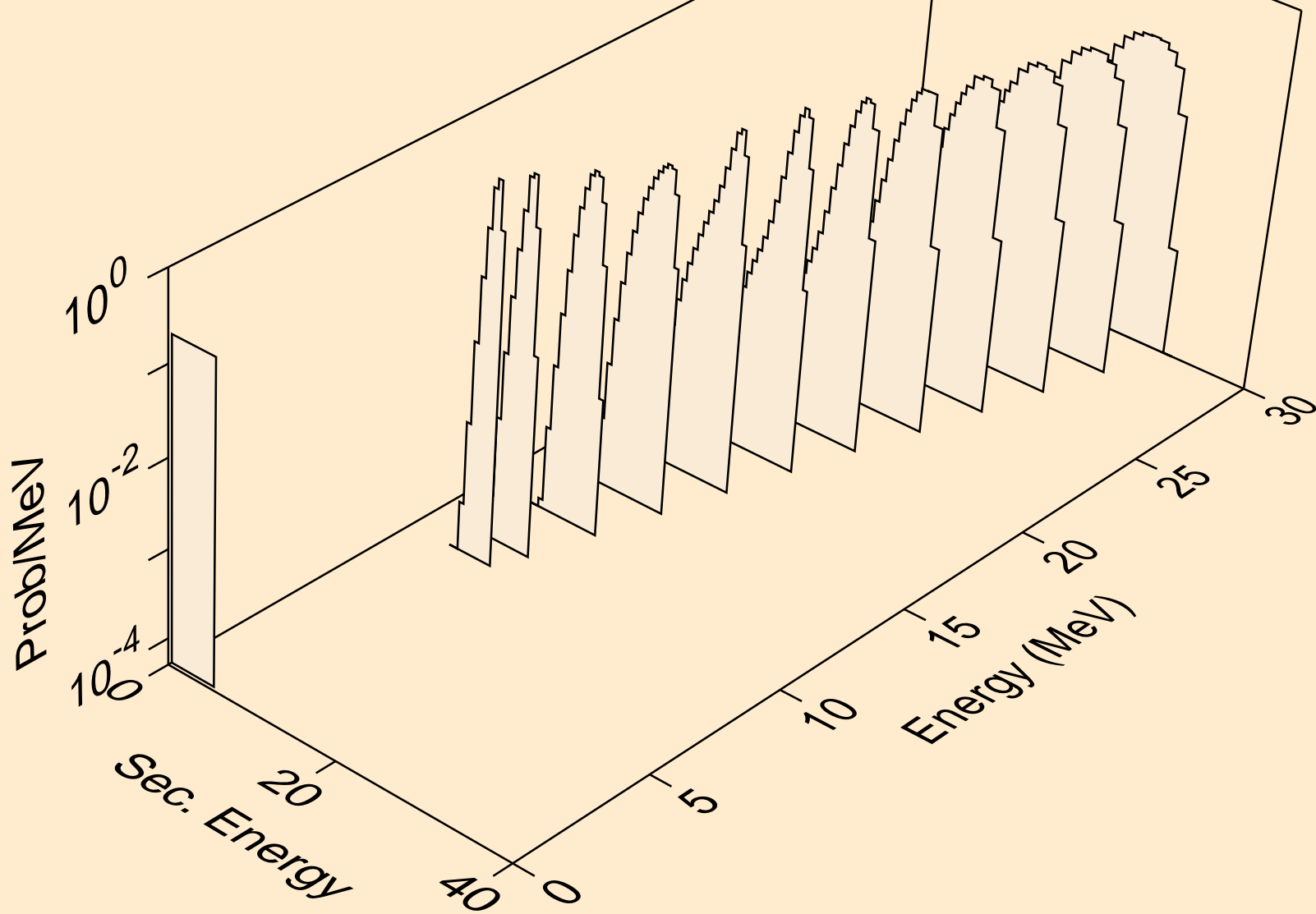
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,x)



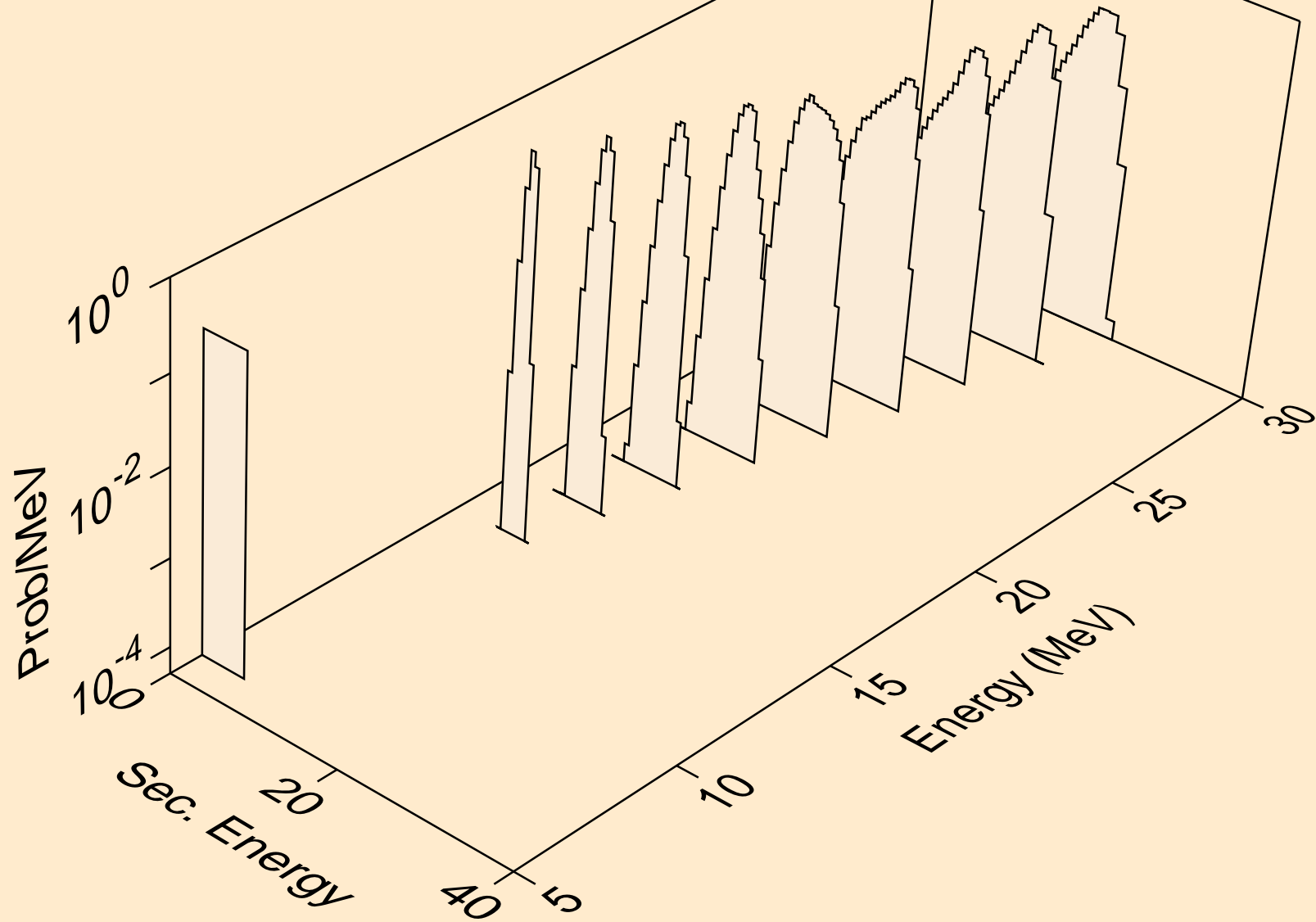
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,n\*)a



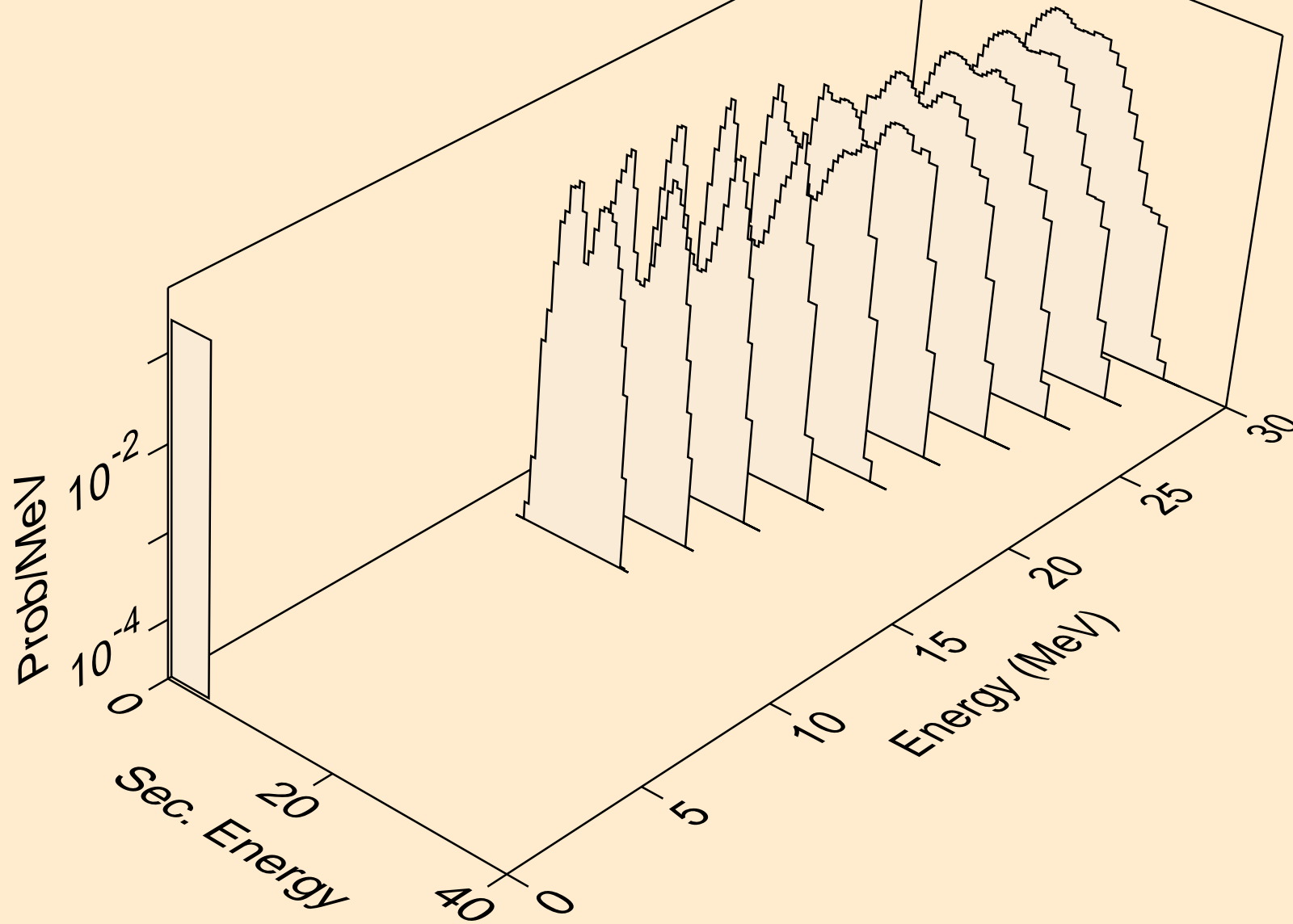
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,2n)a



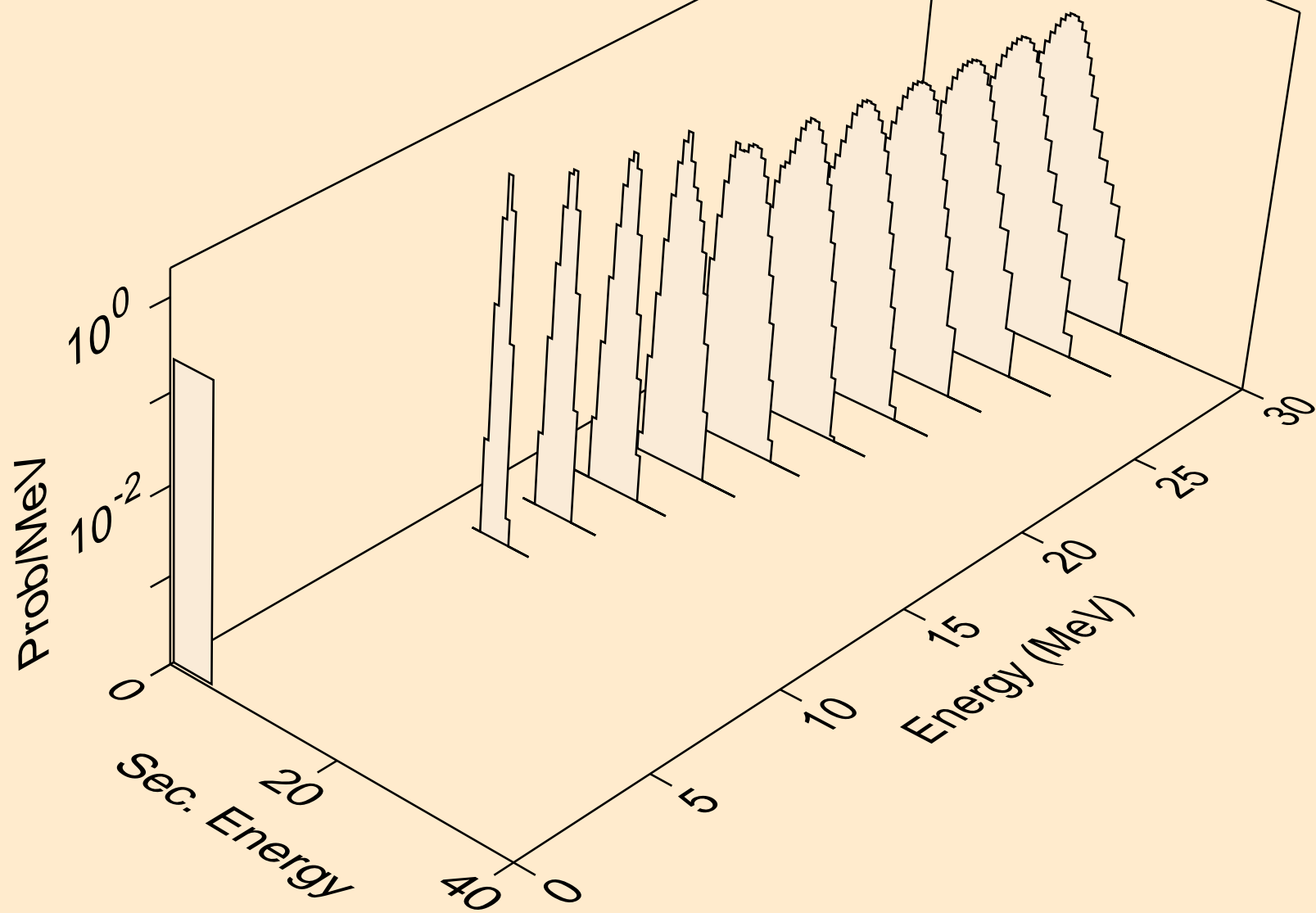
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,3n)a



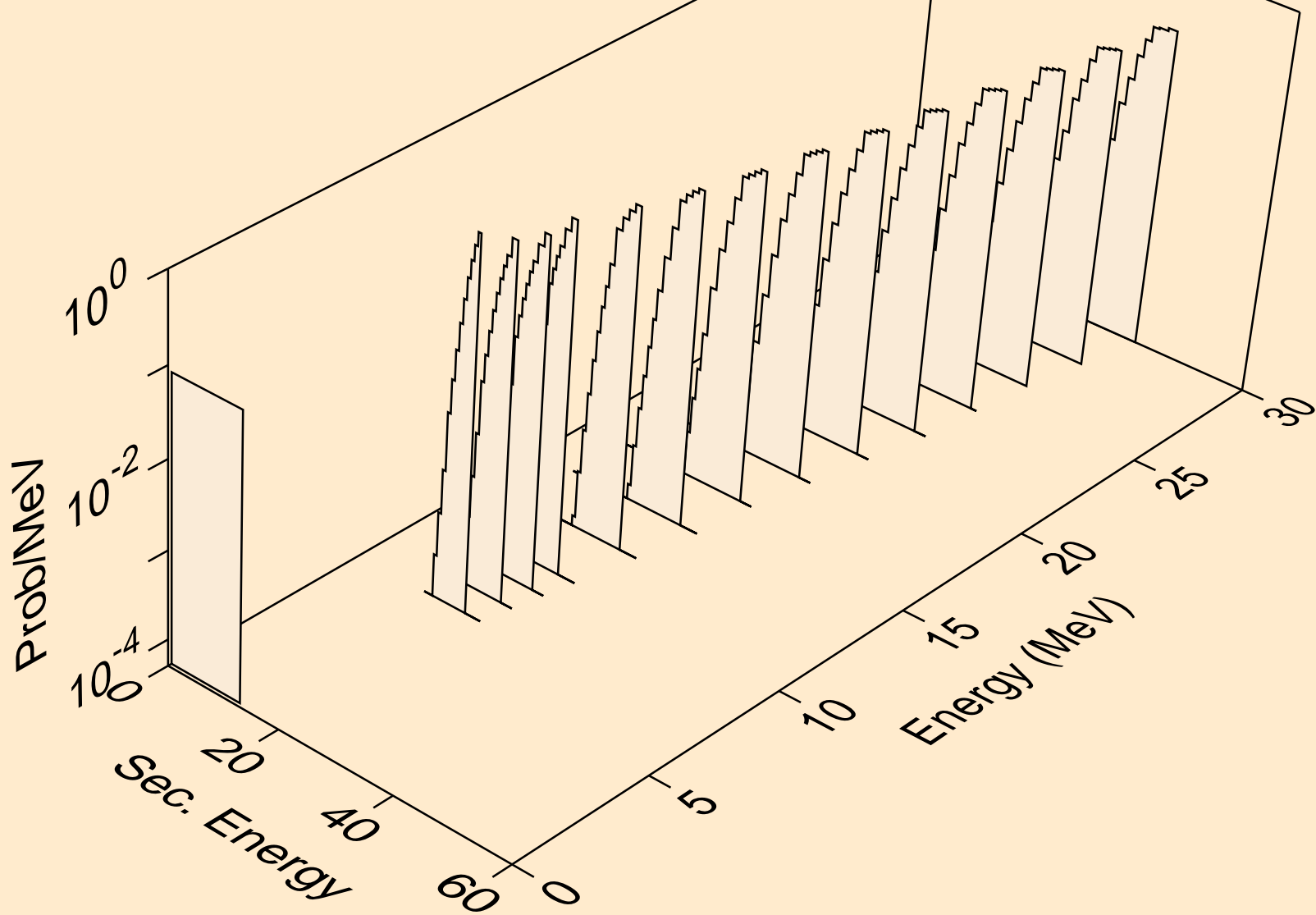
HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,n\*)2a



HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,npa)

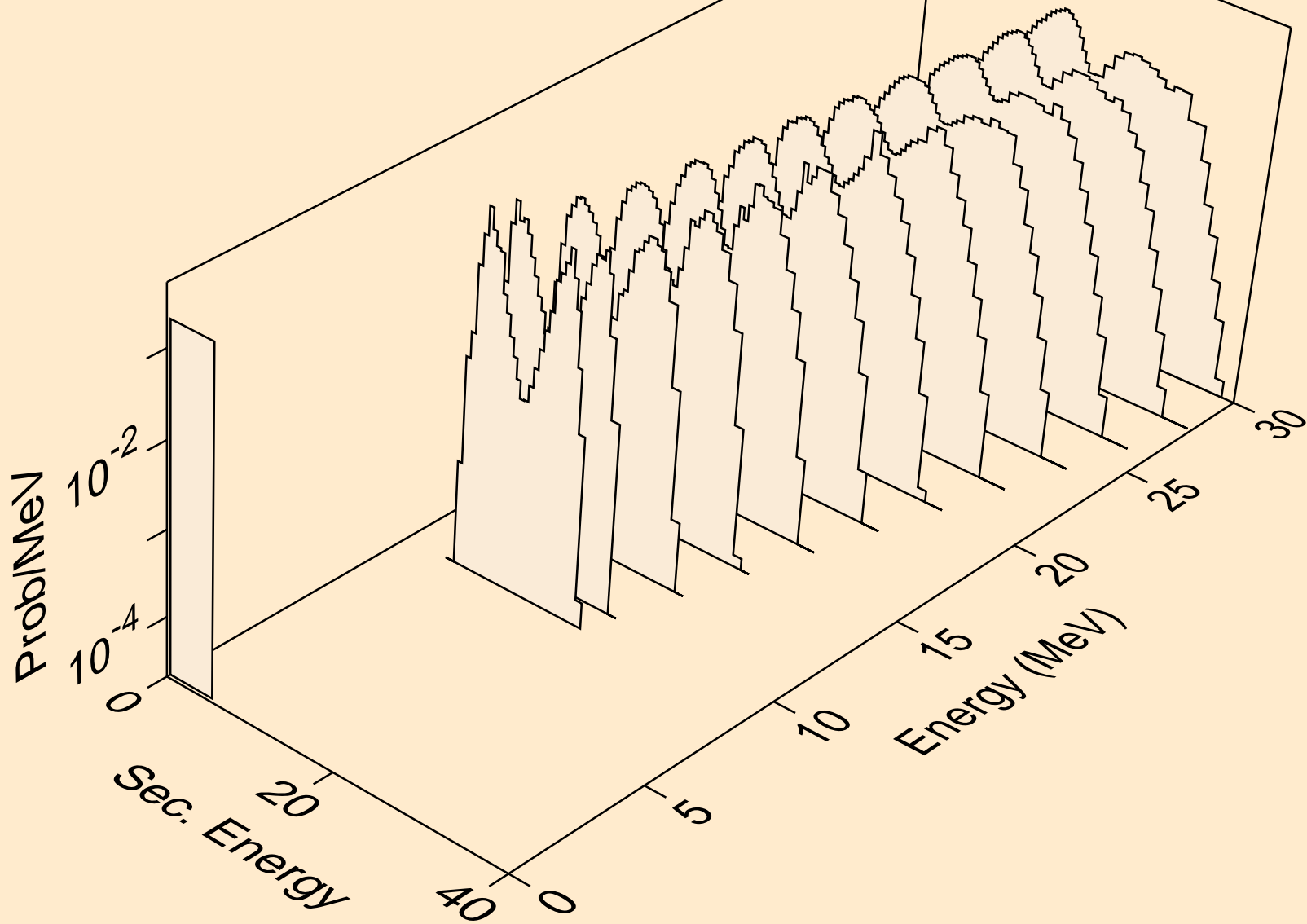


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alphas from (s,a)

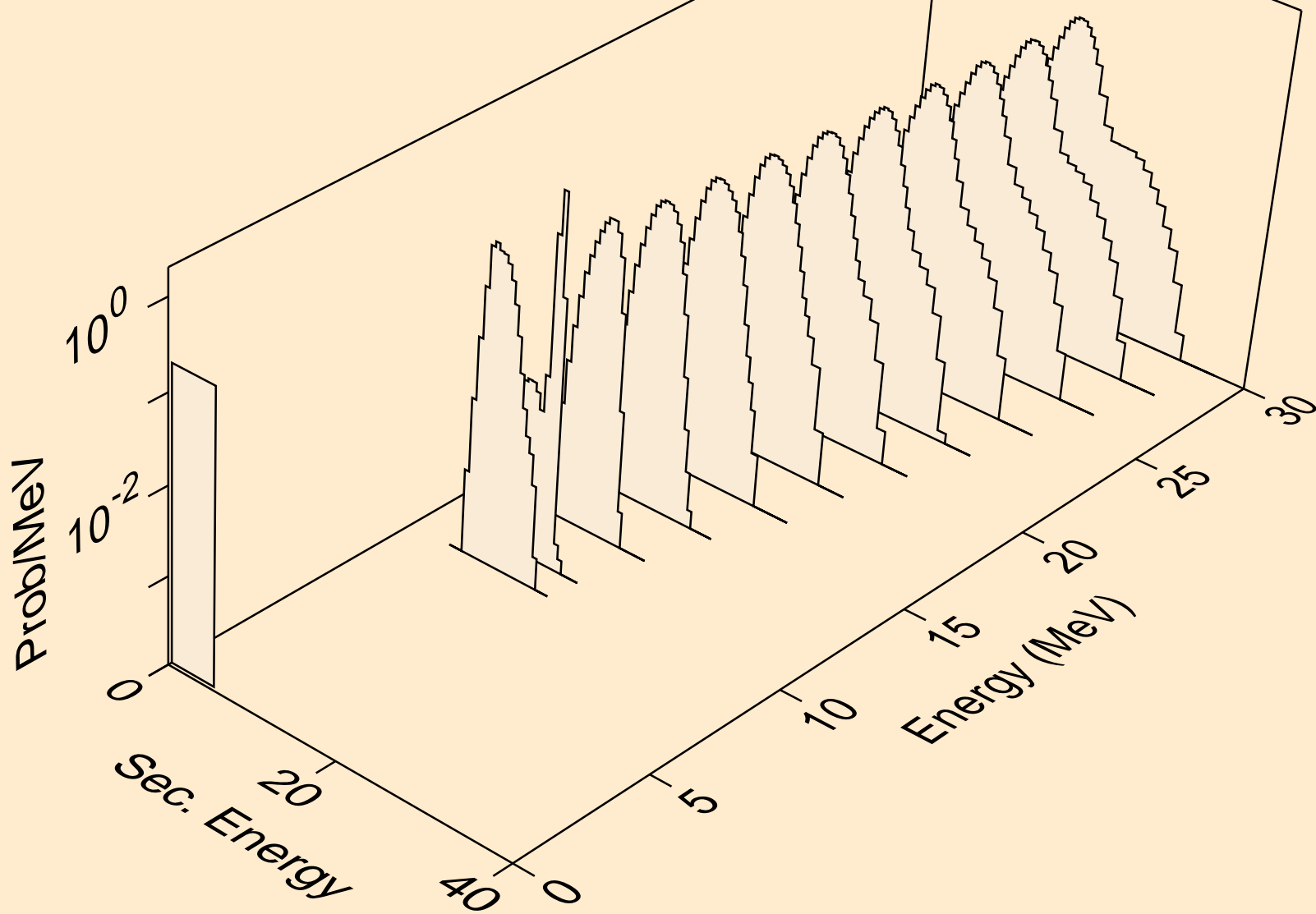




HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,2a)



HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,pa)



HF178N HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,da)

