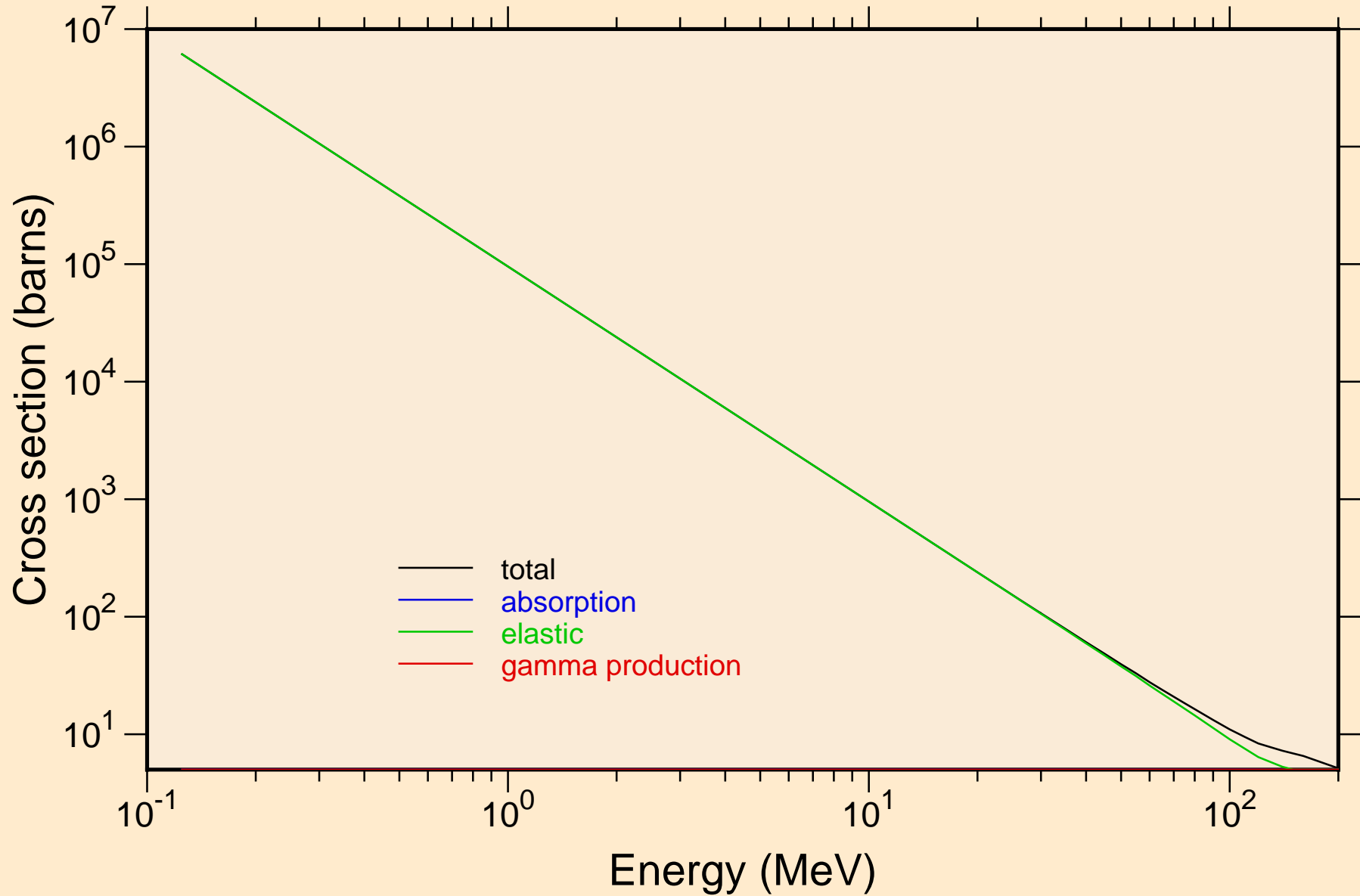


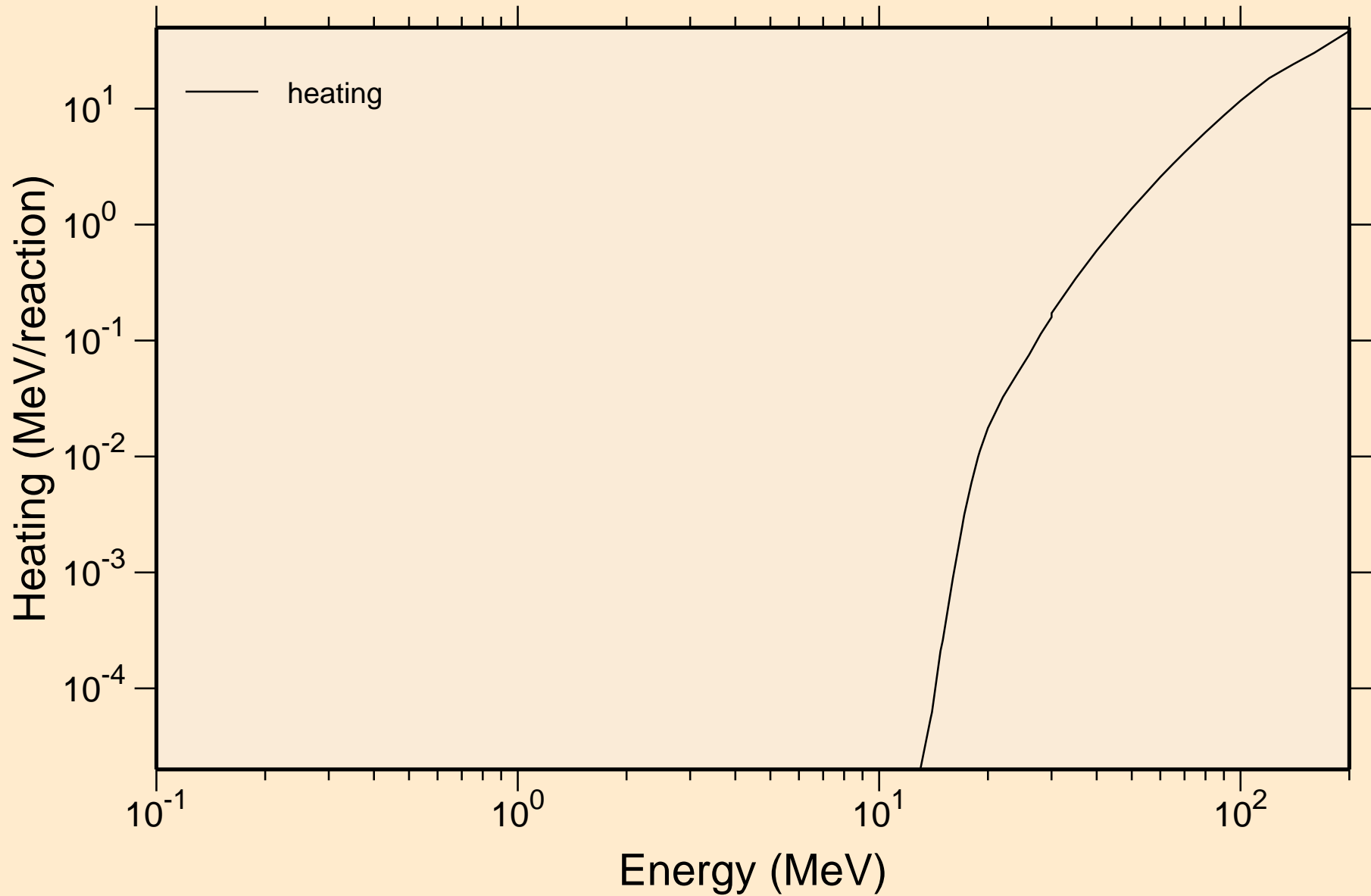
# PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



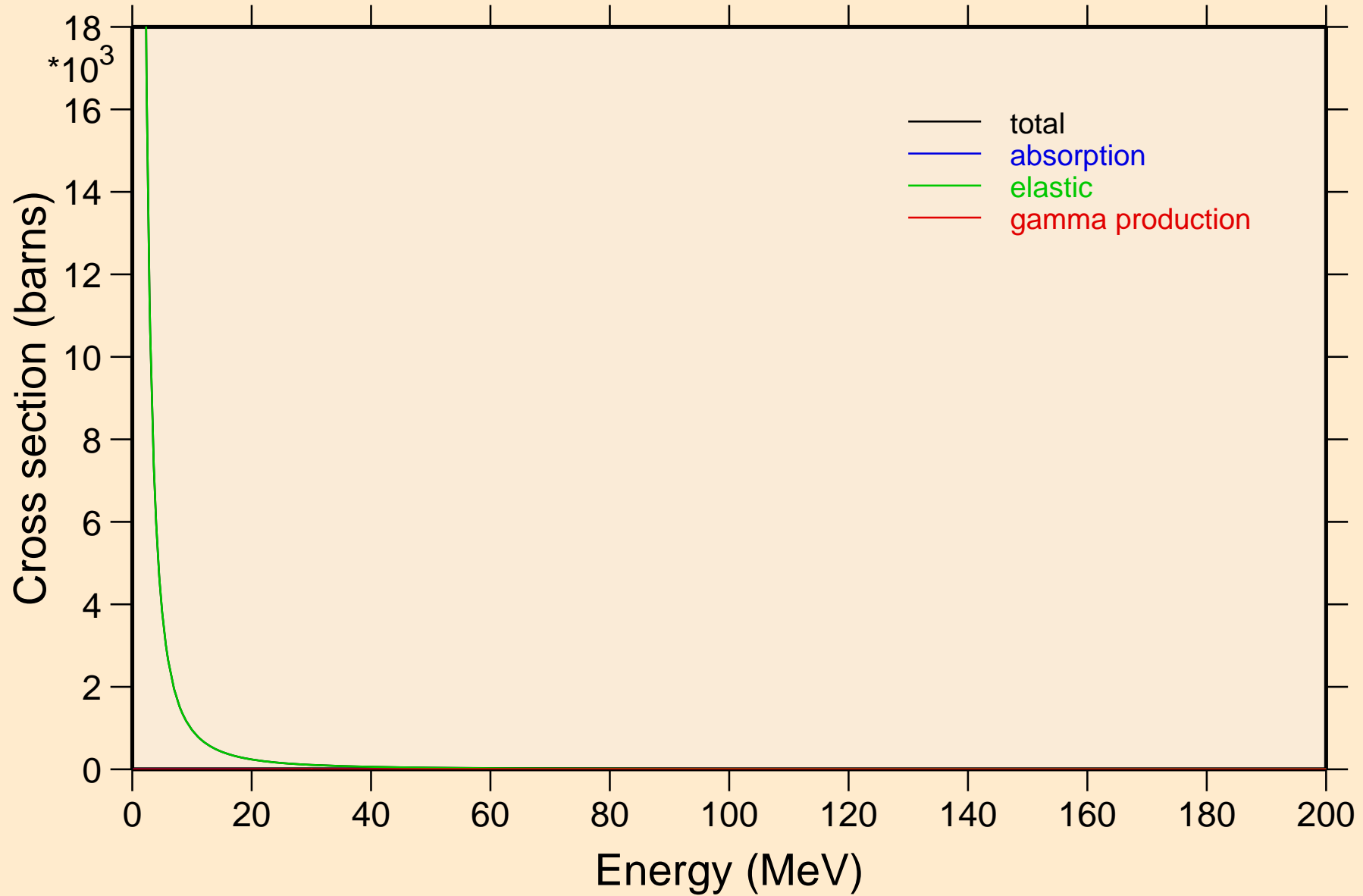
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K

Heating



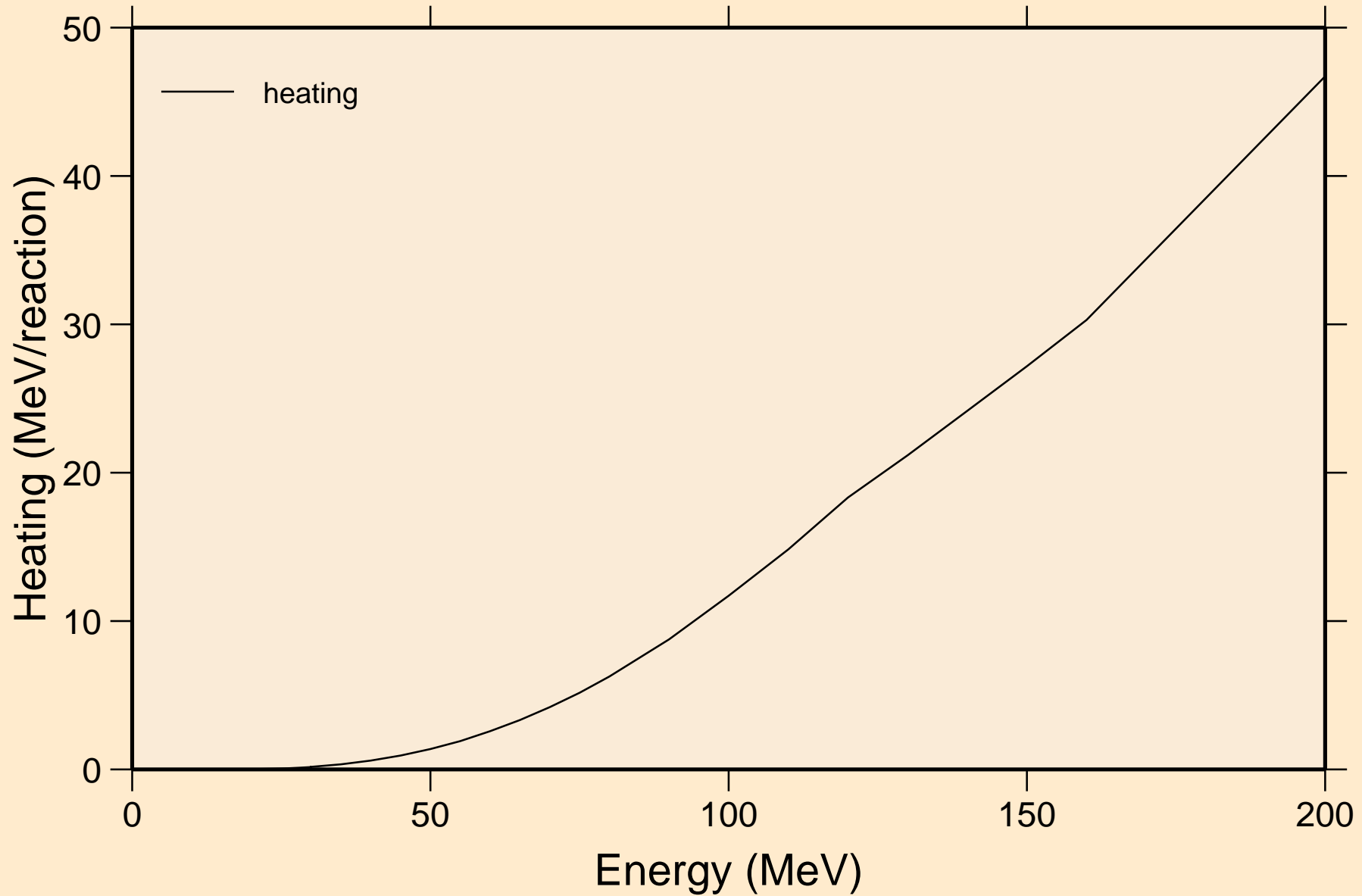
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## Principal cross sections

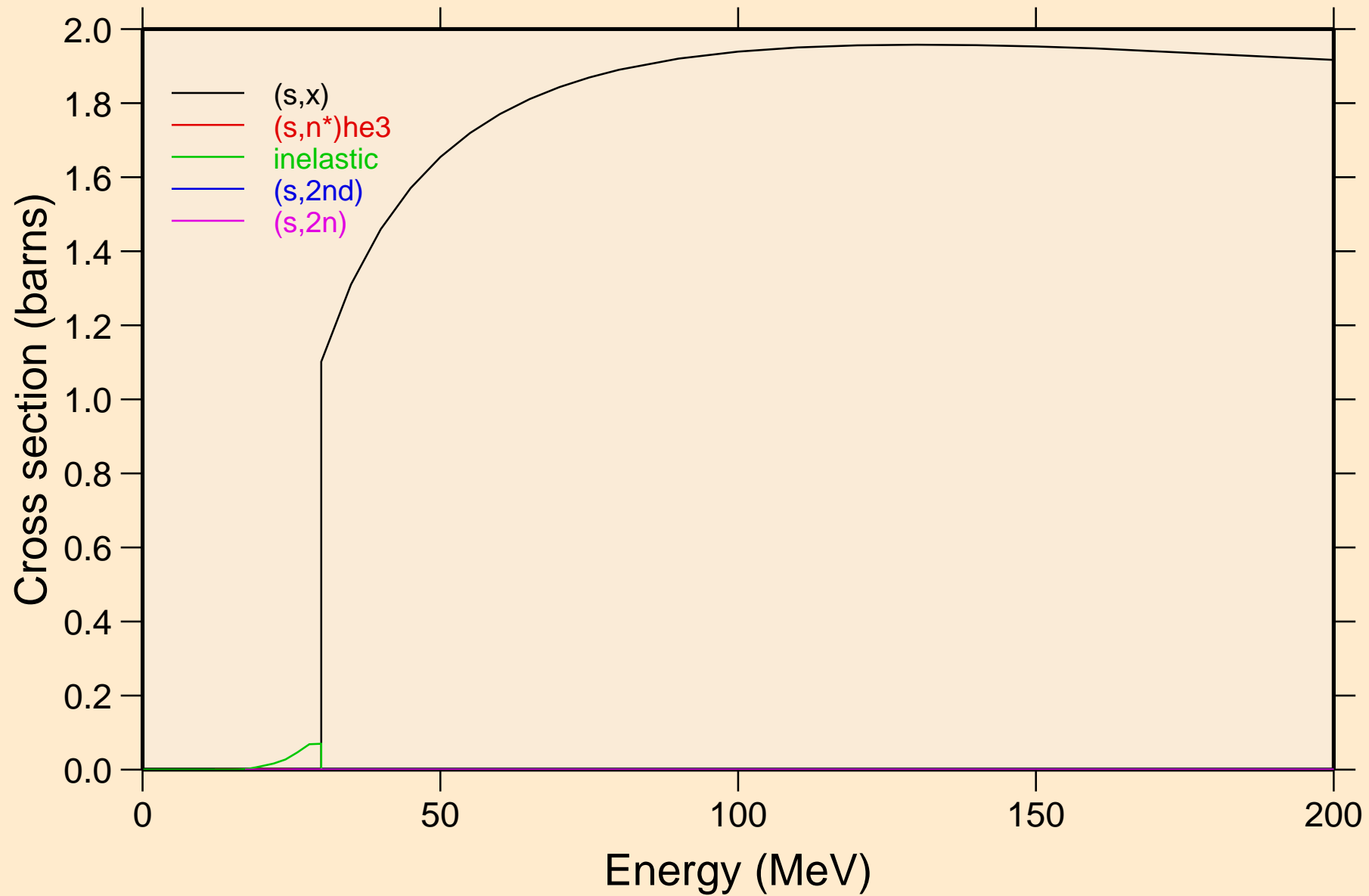


PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K

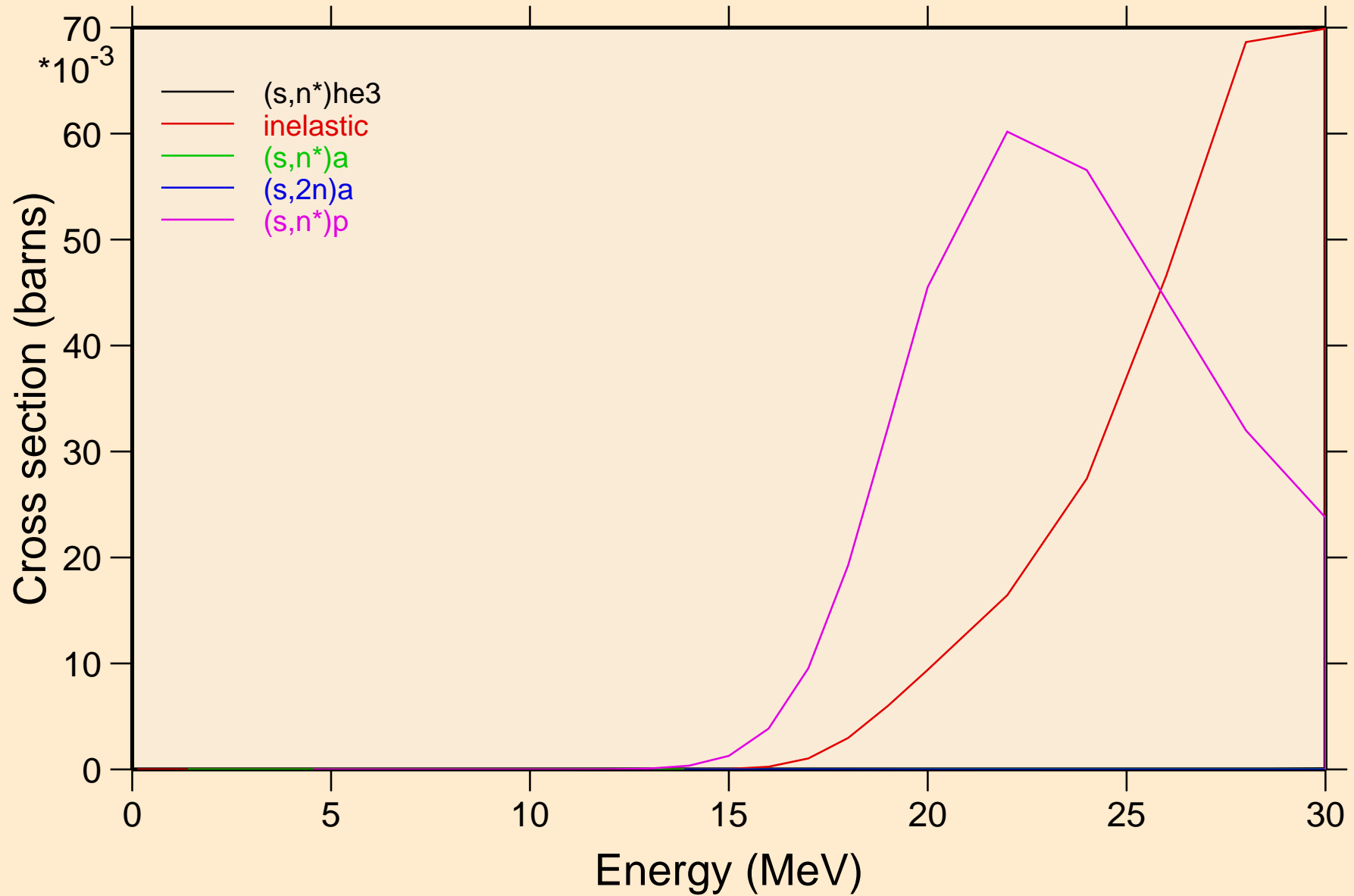
Heating



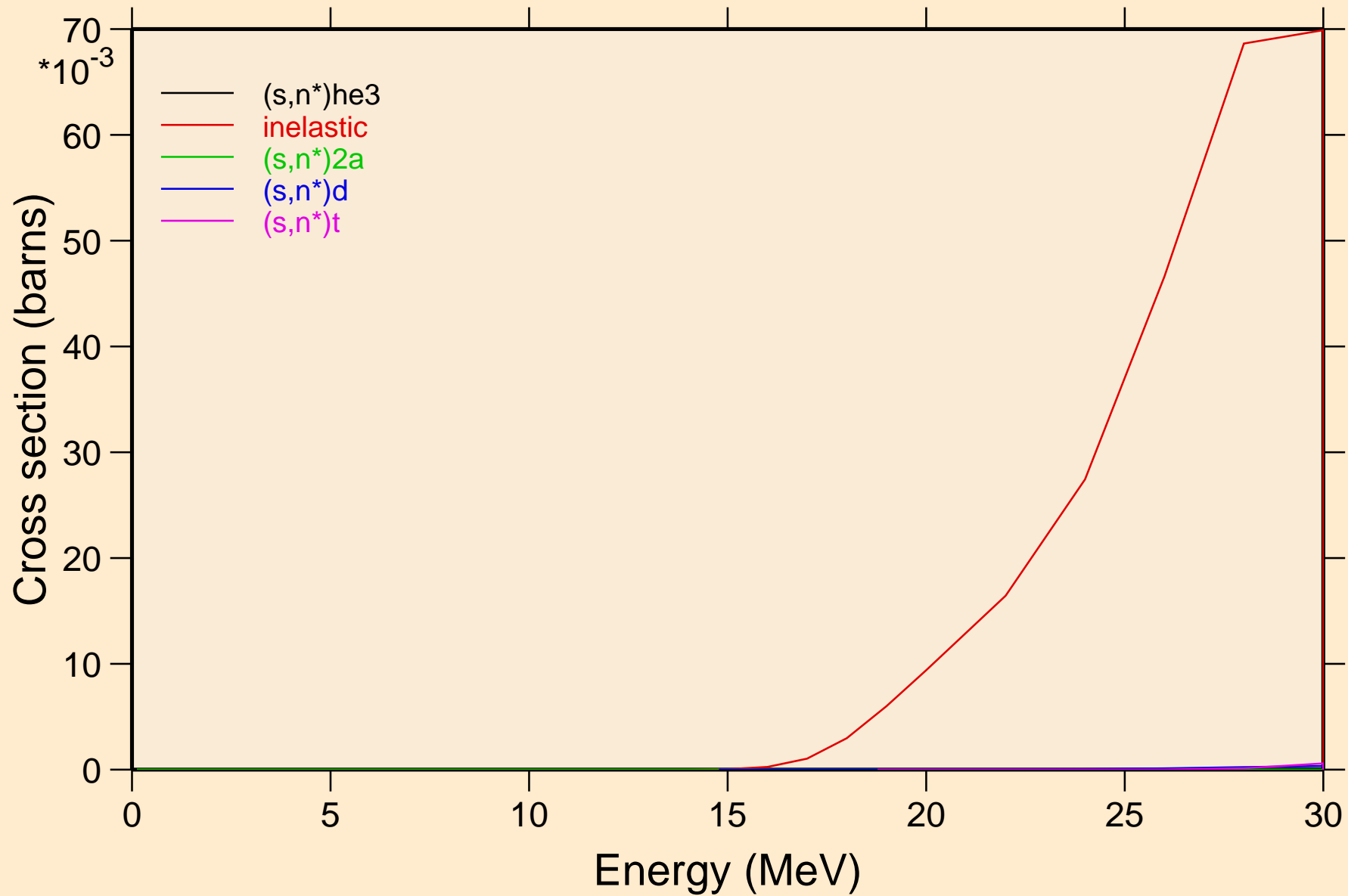
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



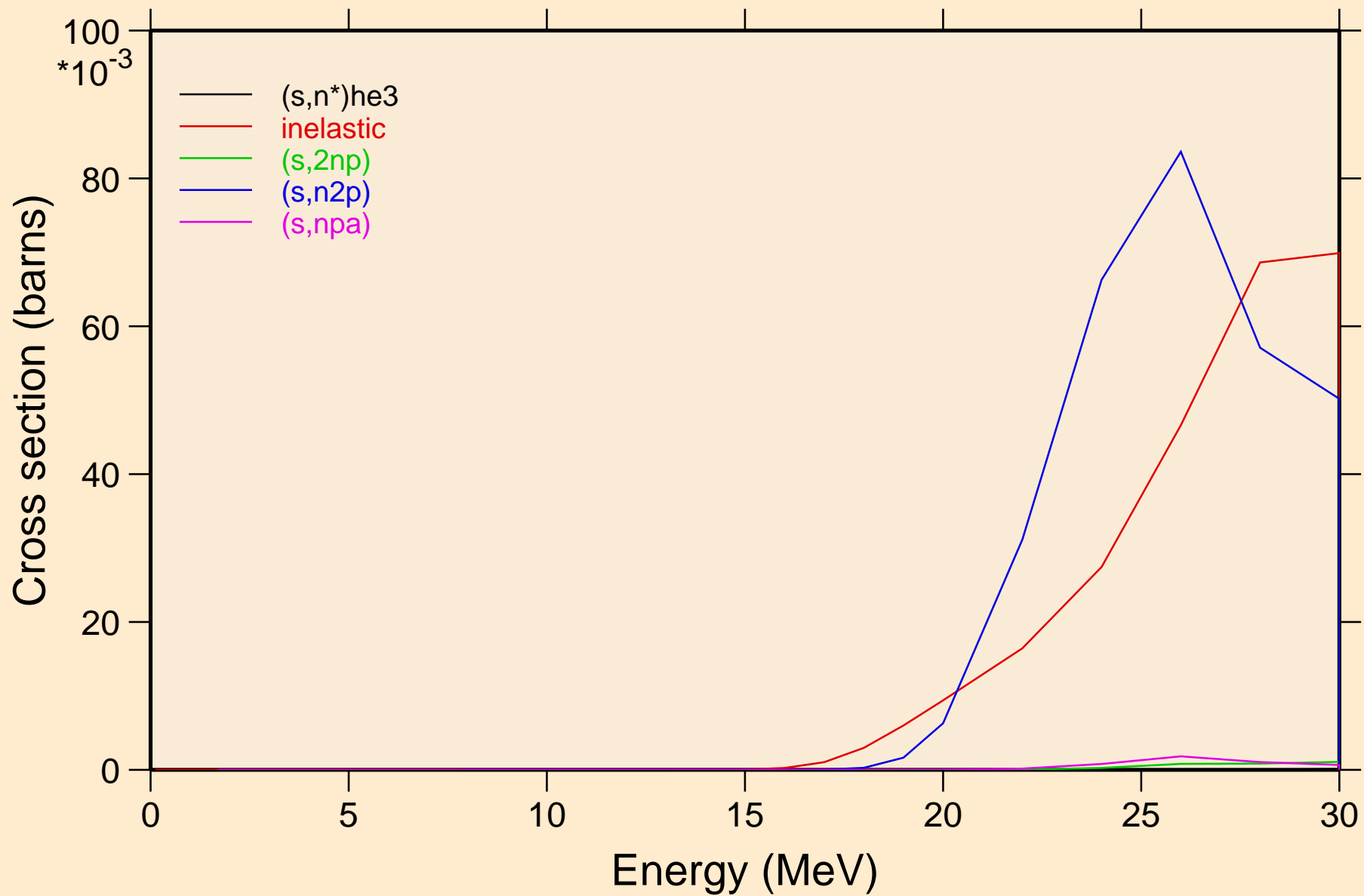
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

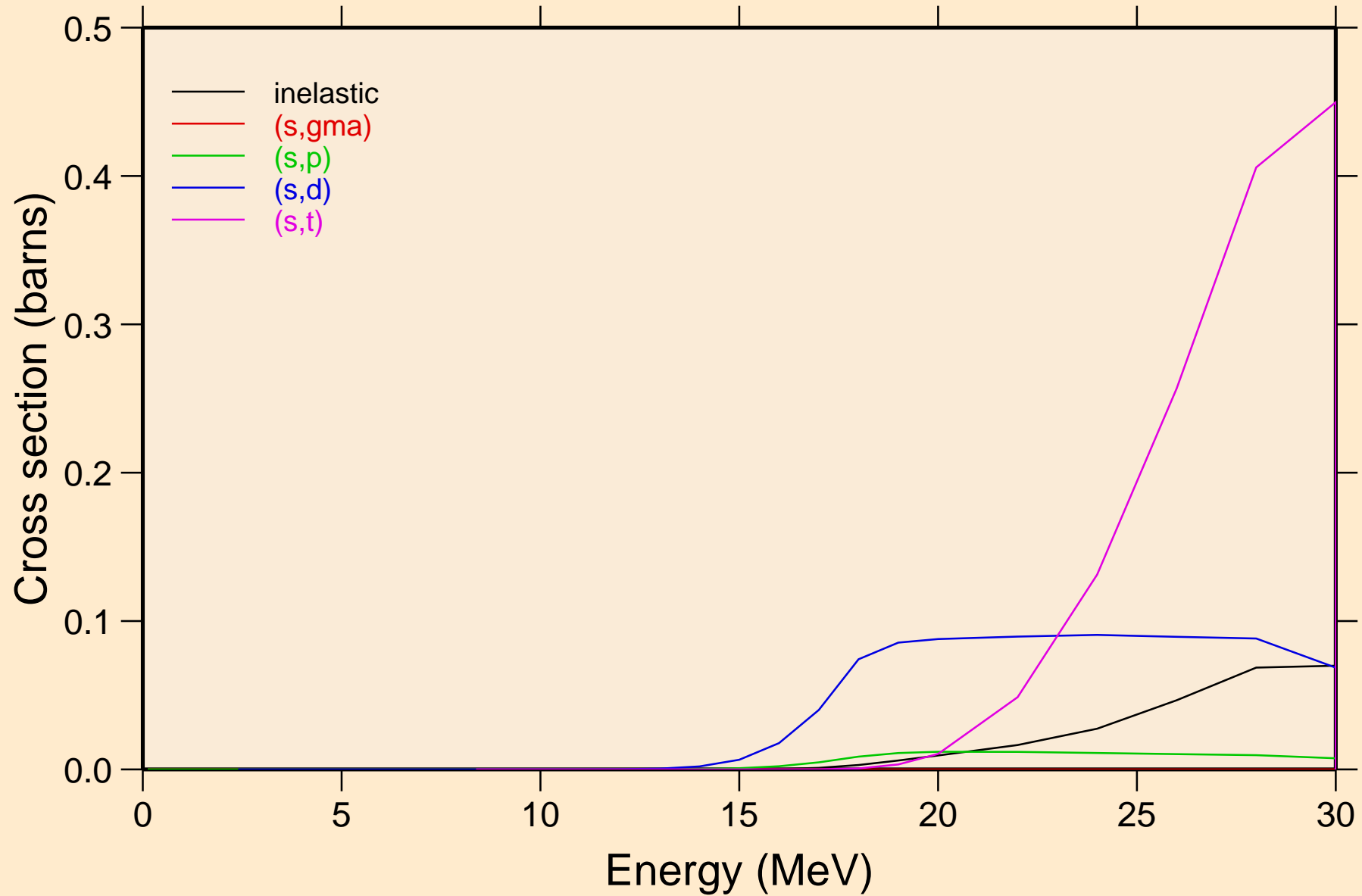


PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



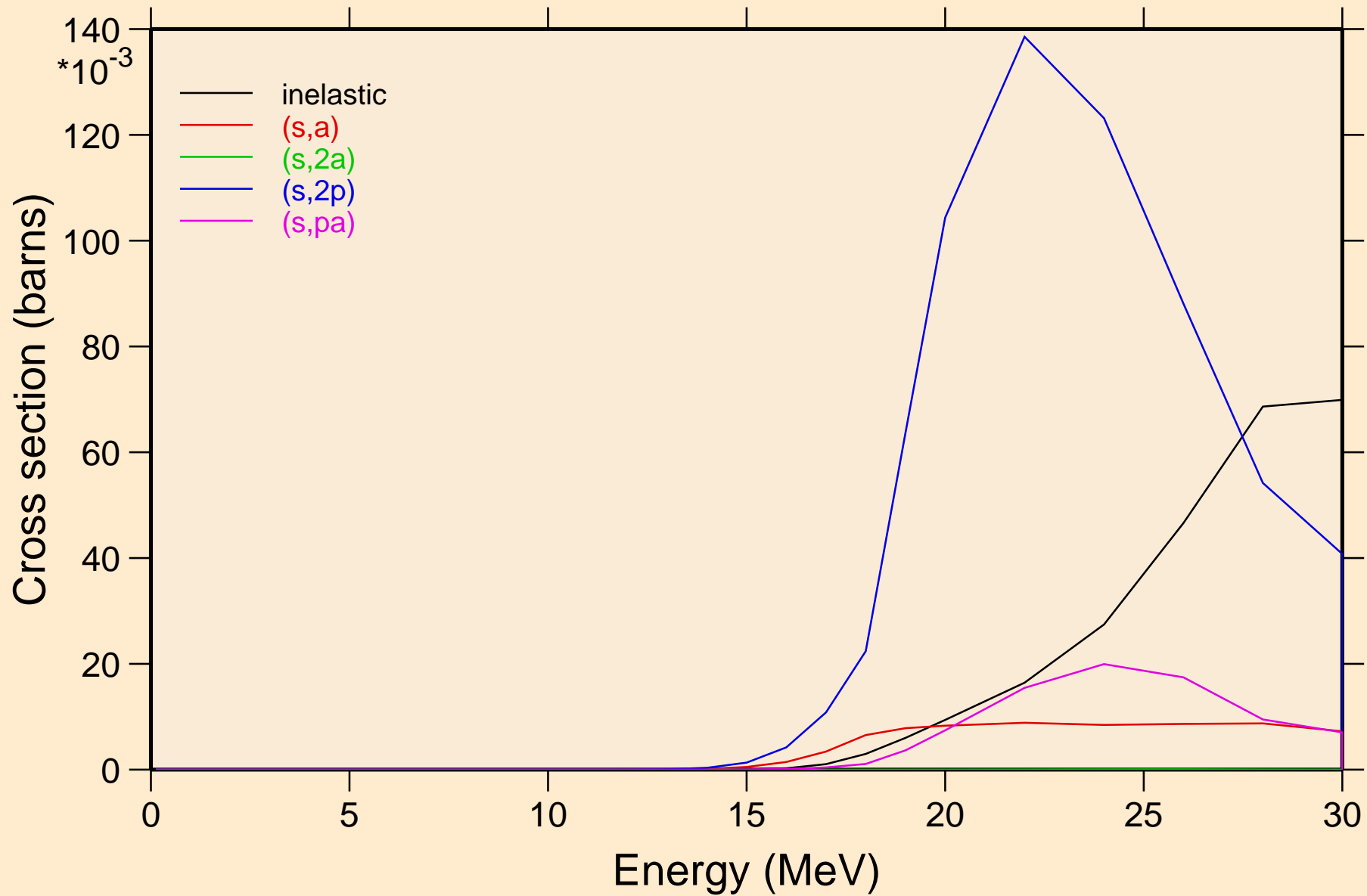


PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

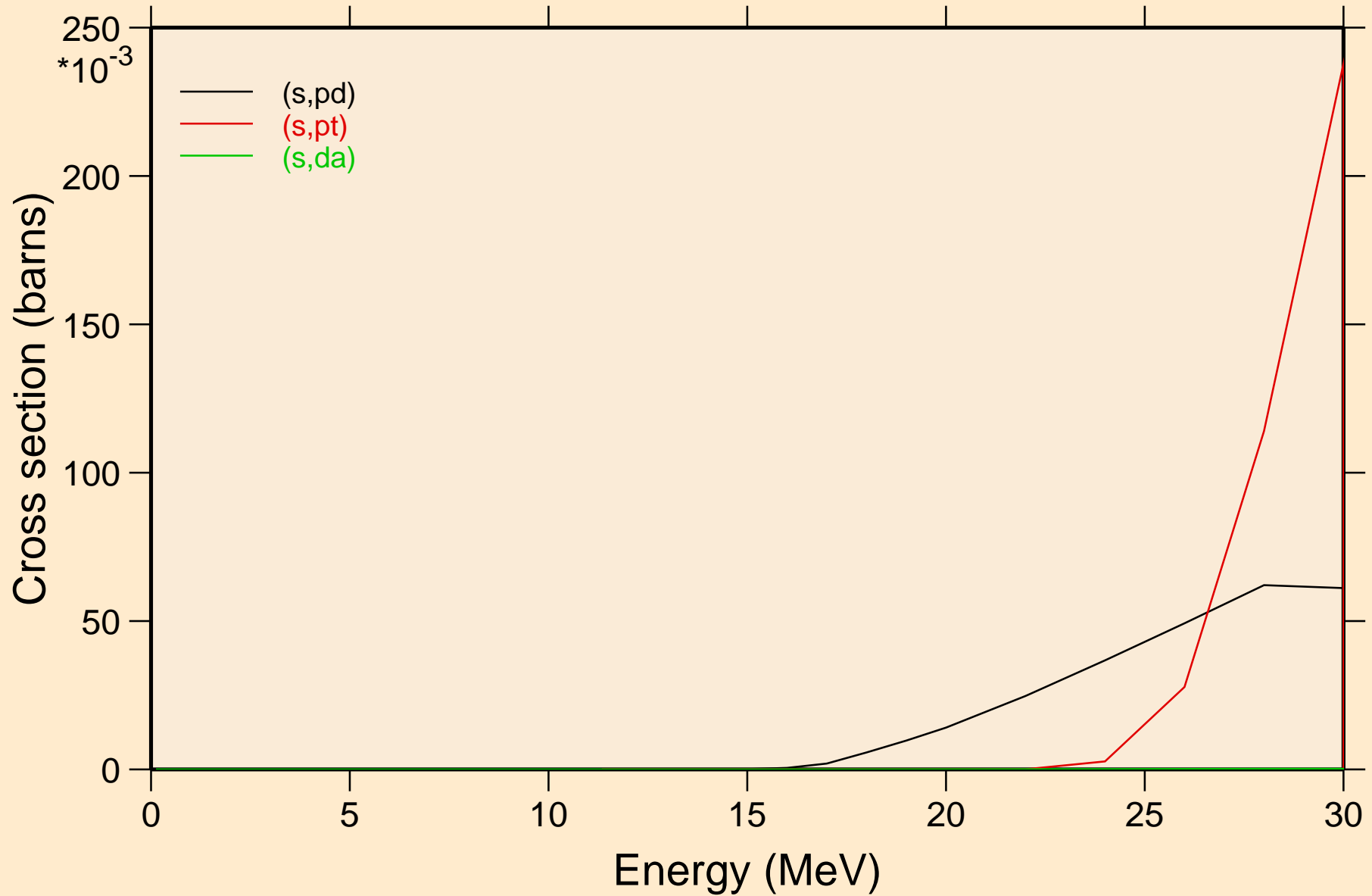


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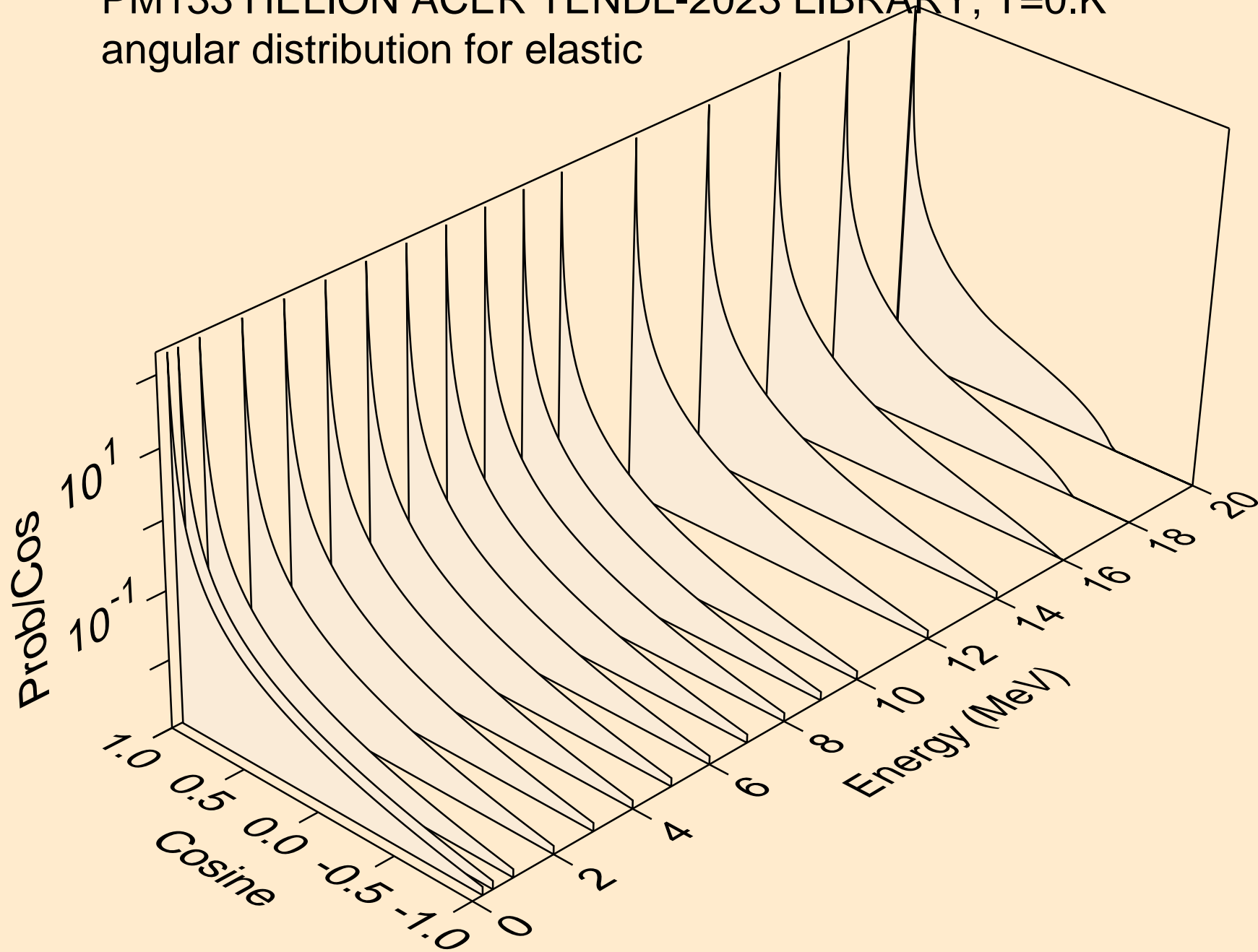
## Threshold reactions



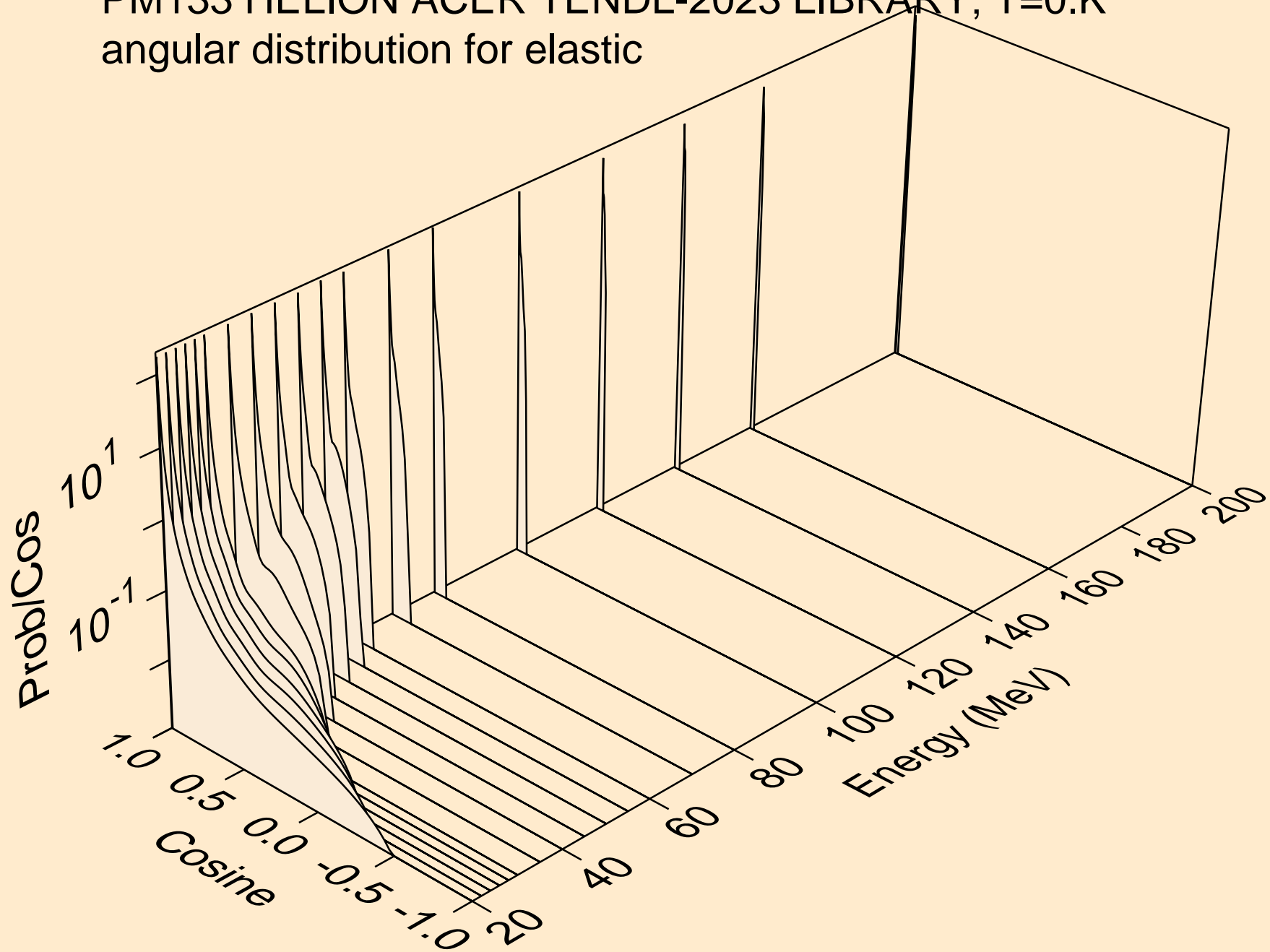
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Threshold reactions



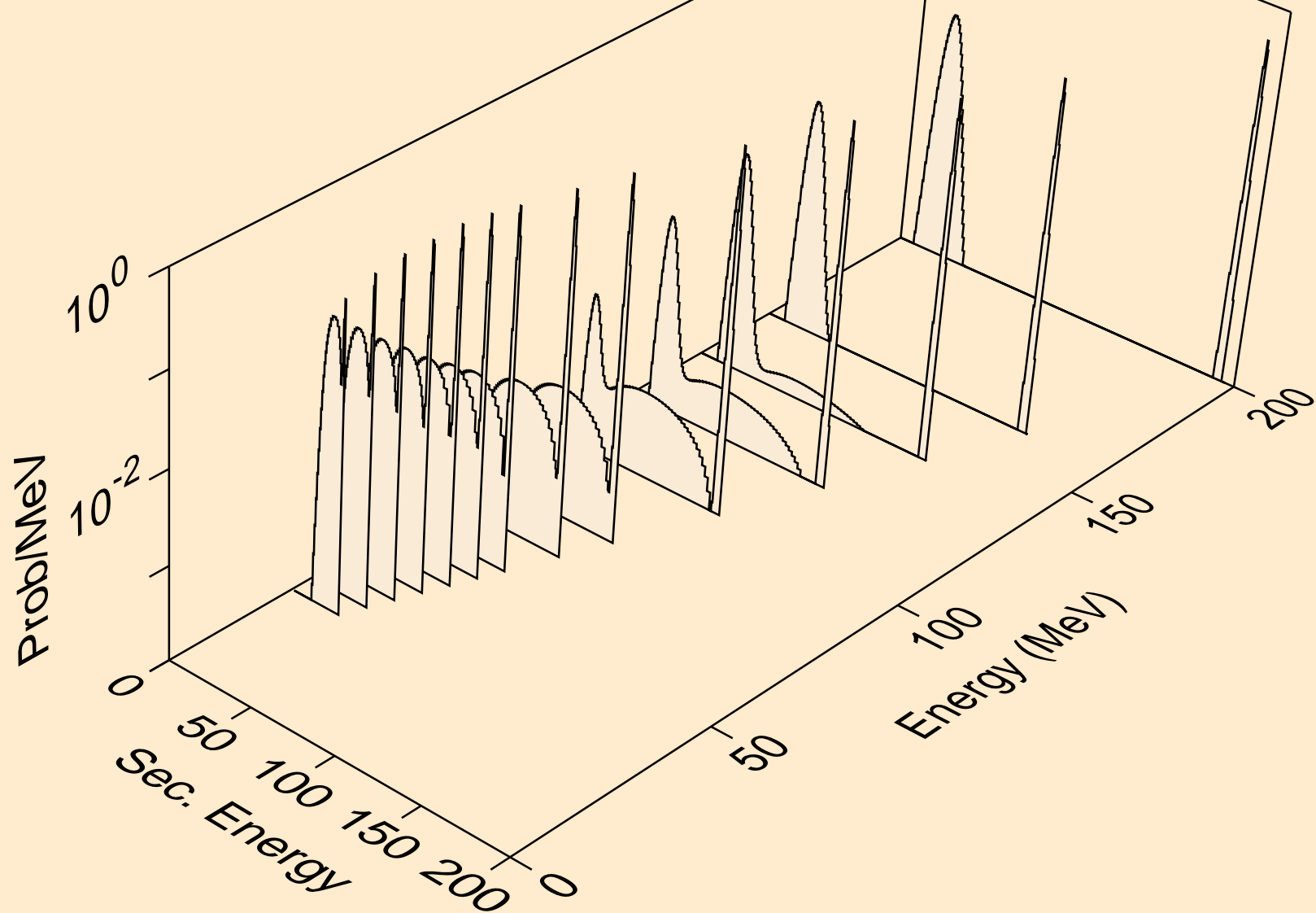
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



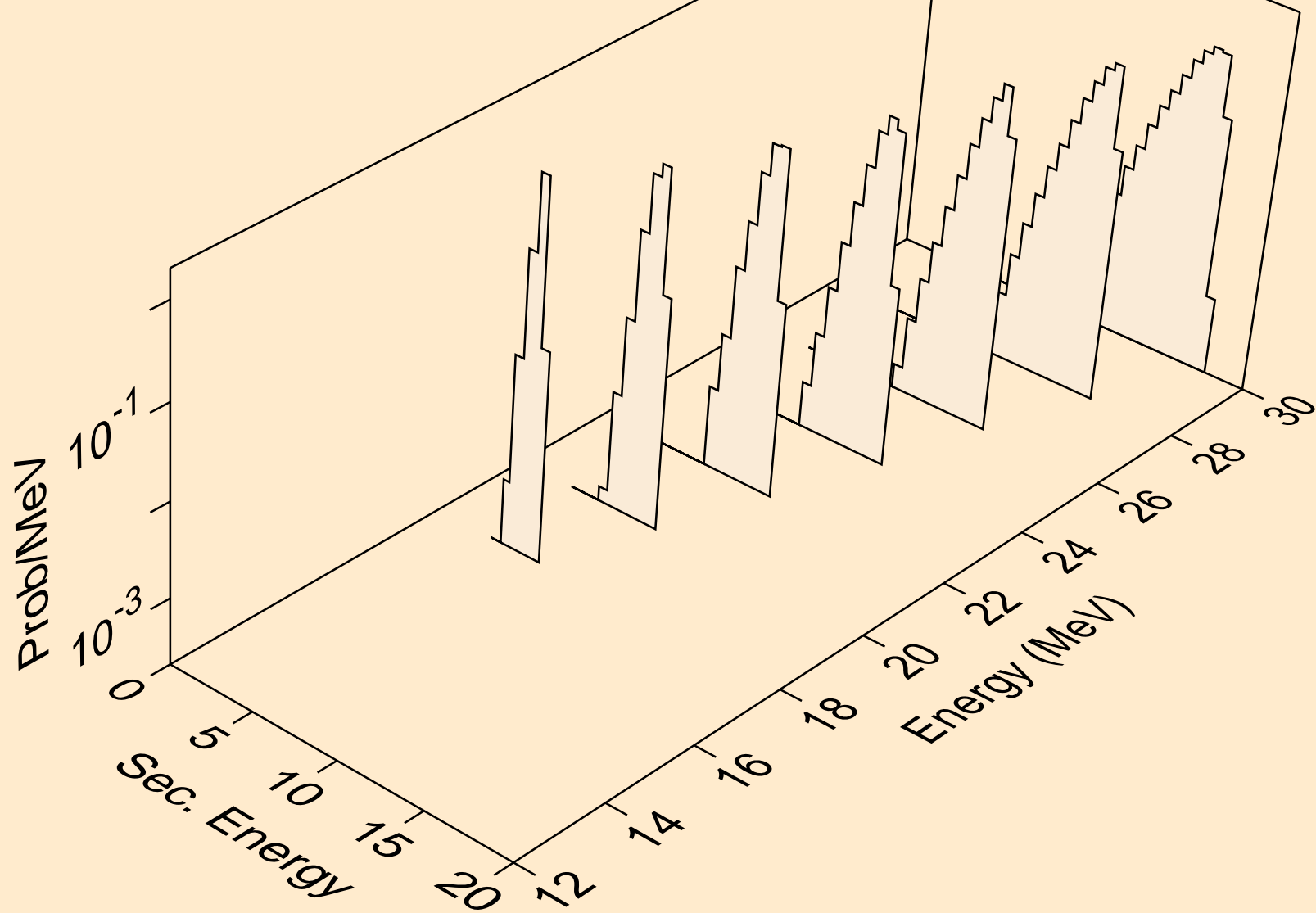
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



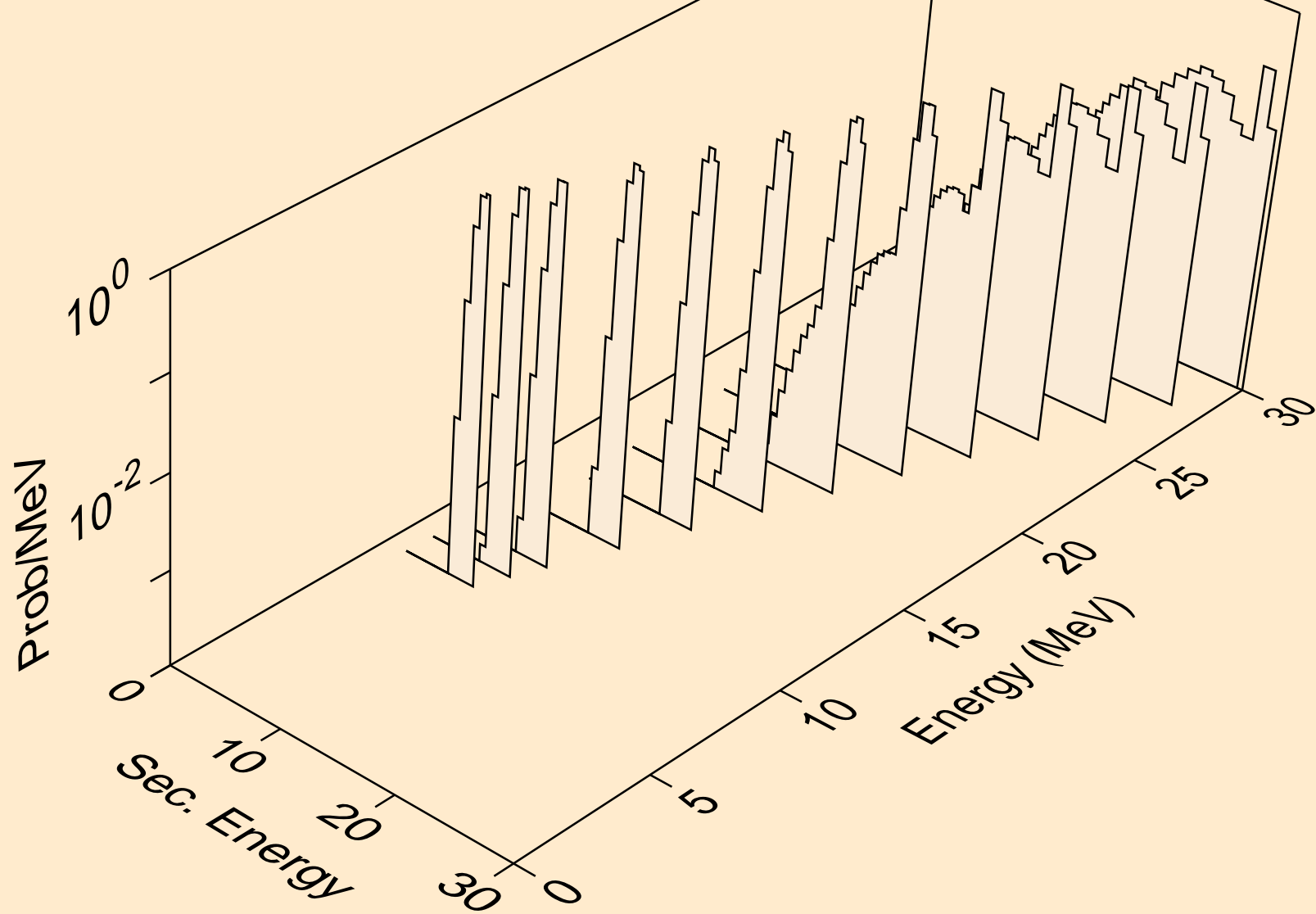
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)



PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

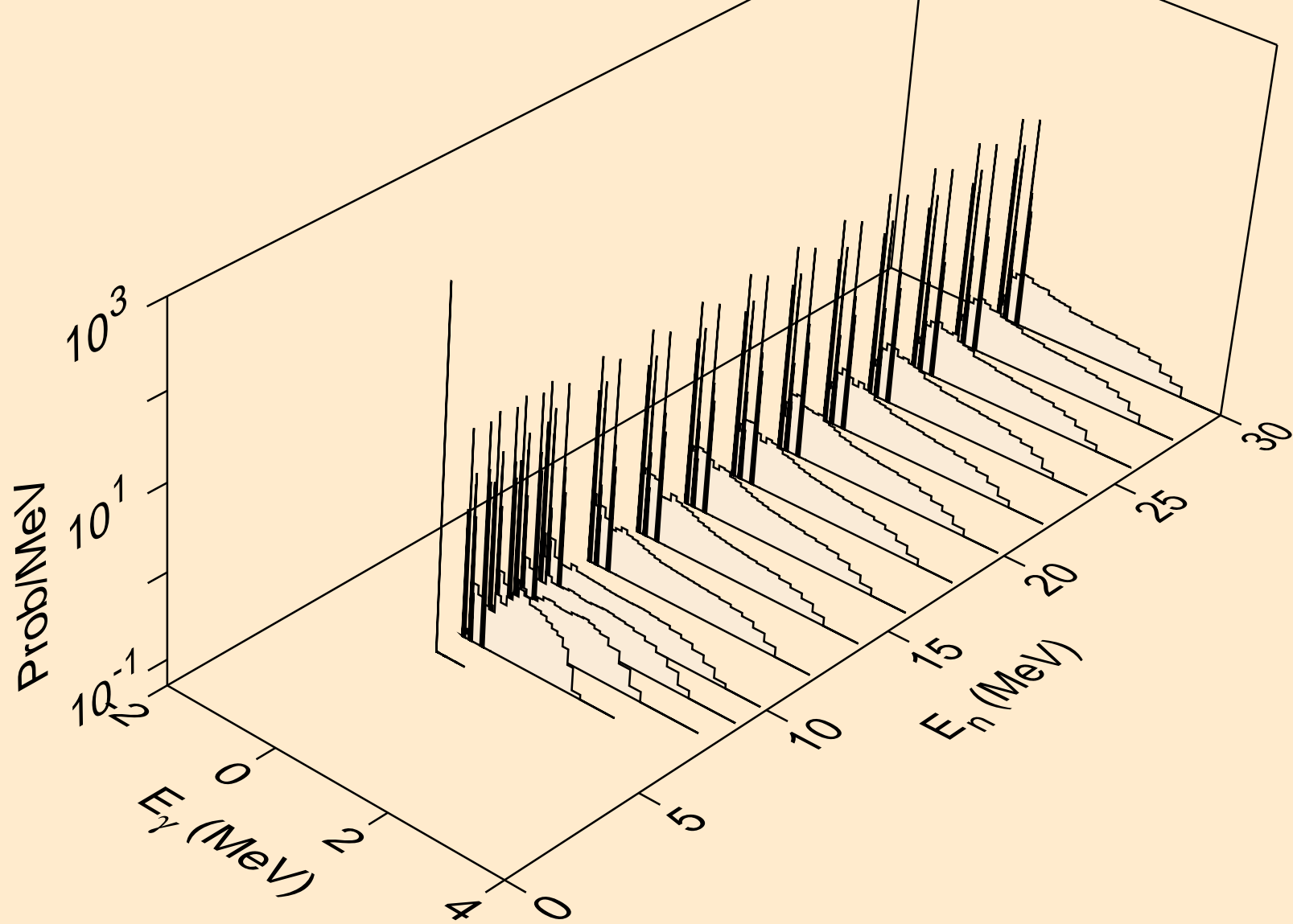


PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic

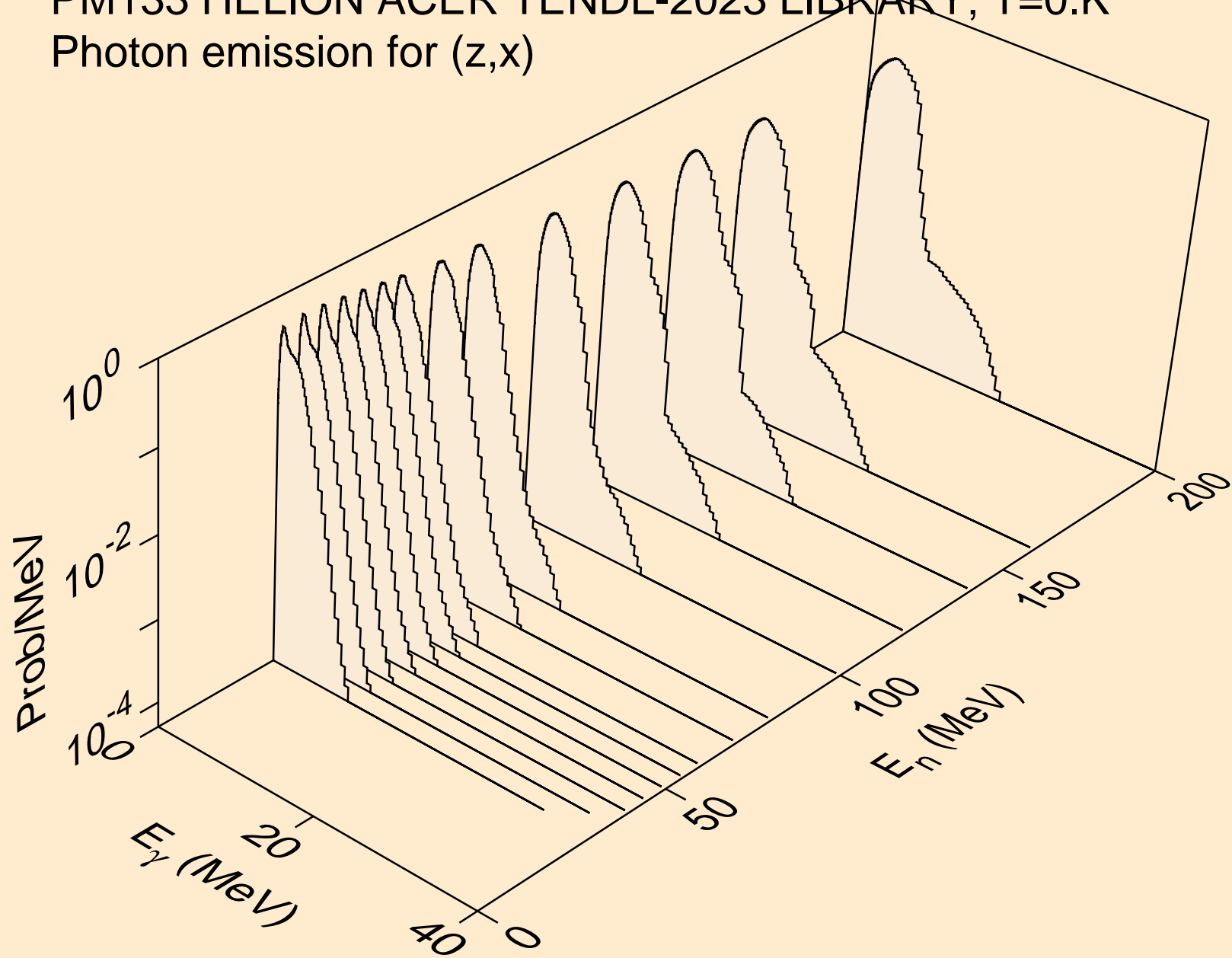




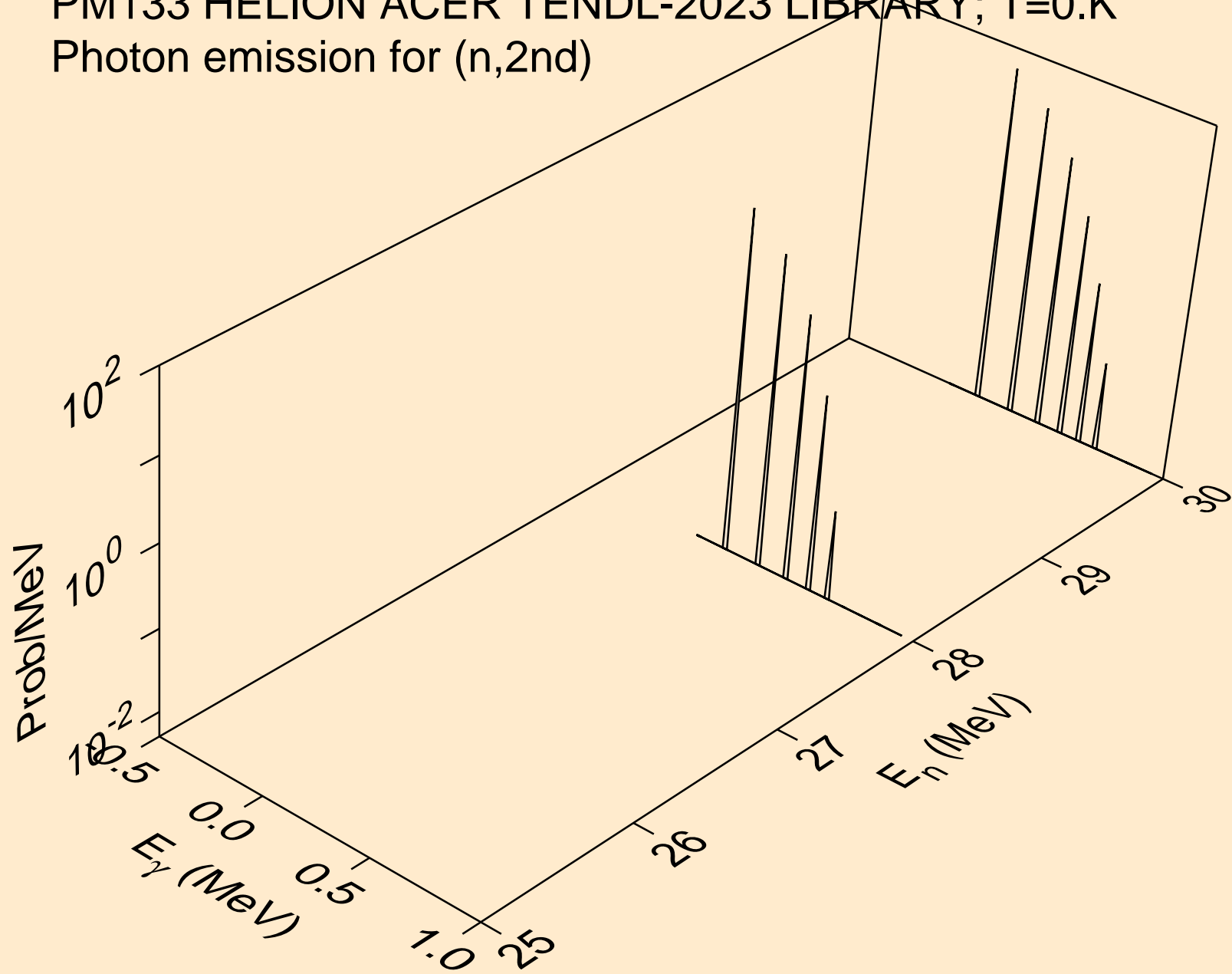
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



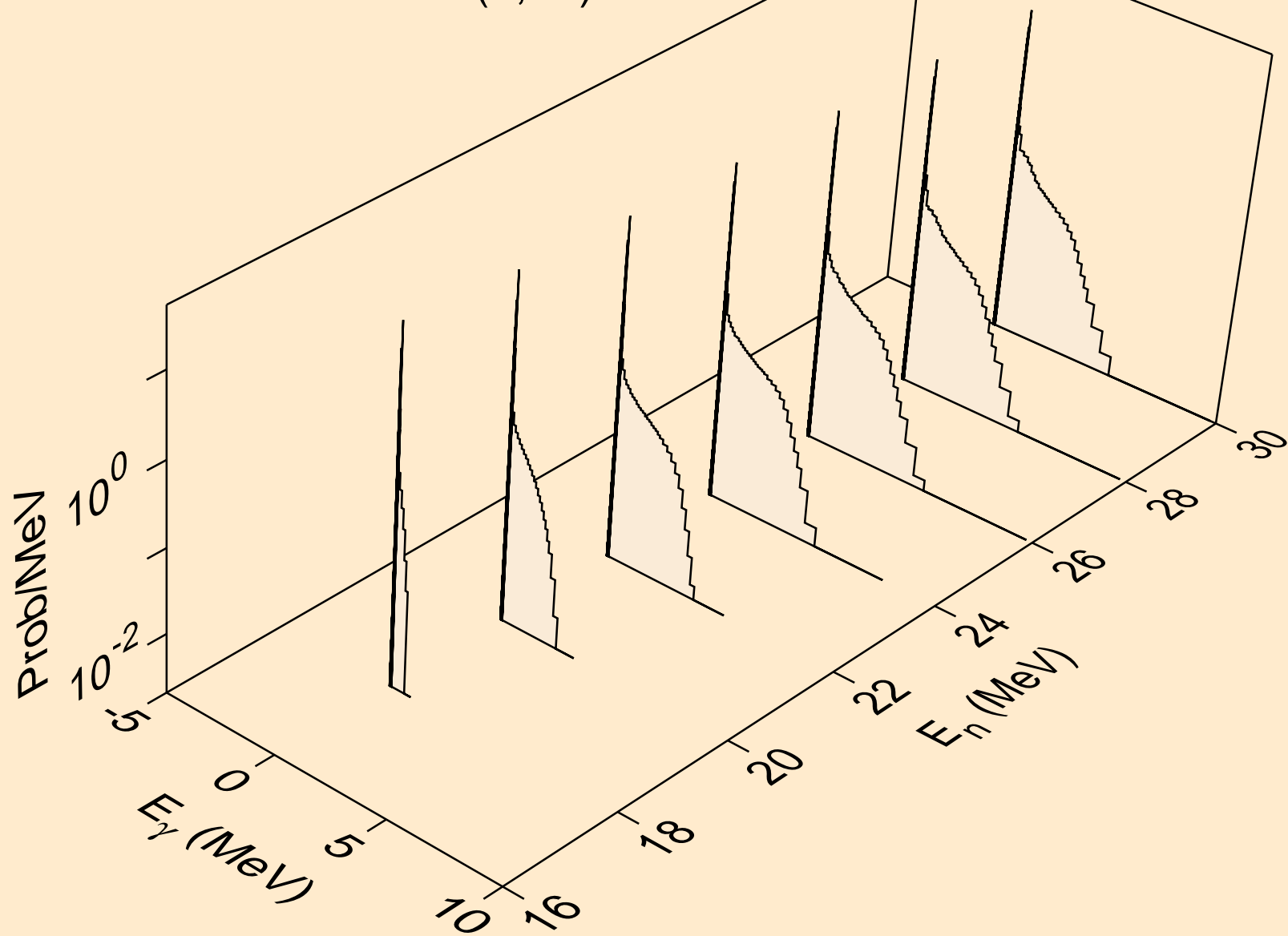
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



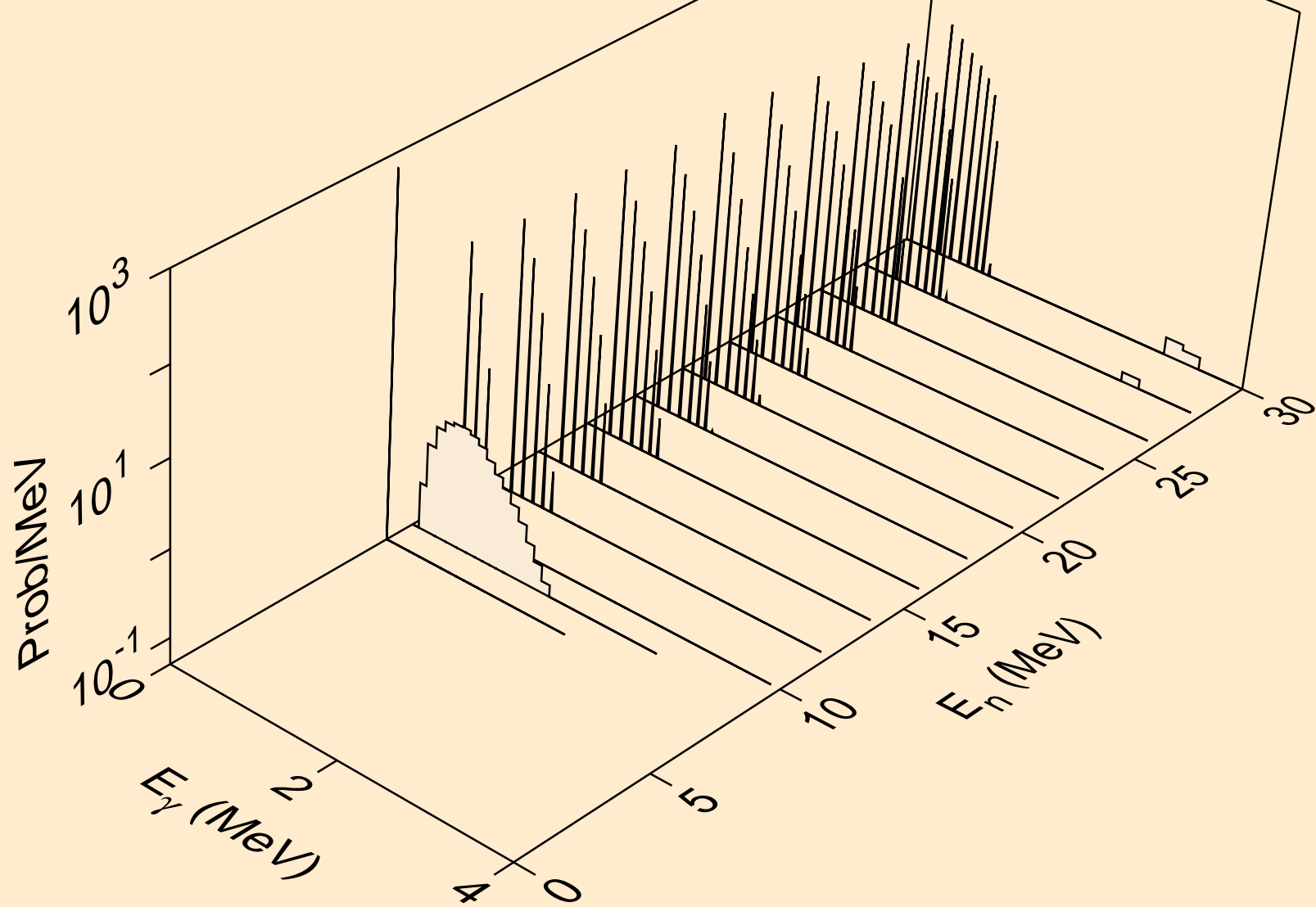
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



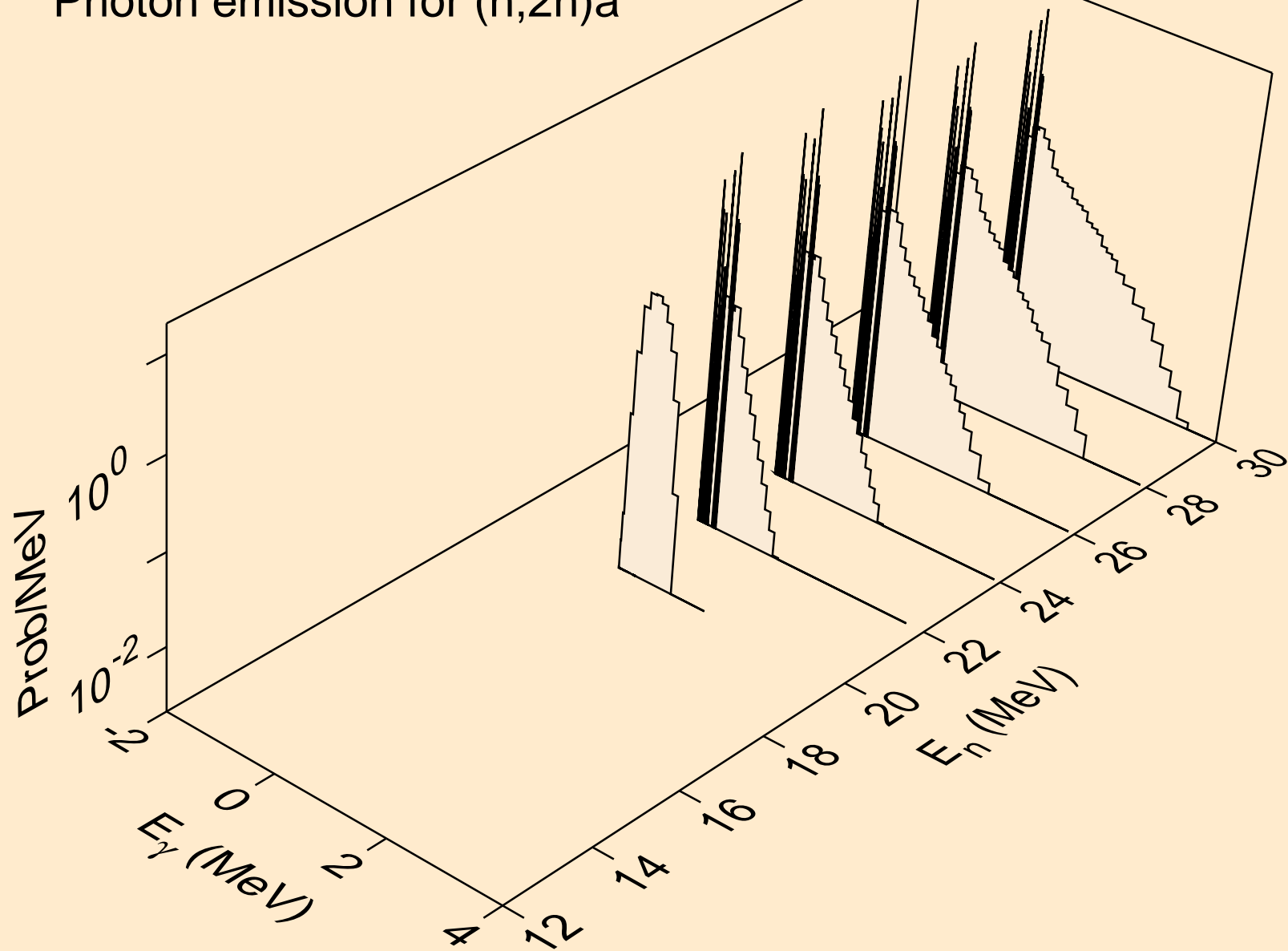
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



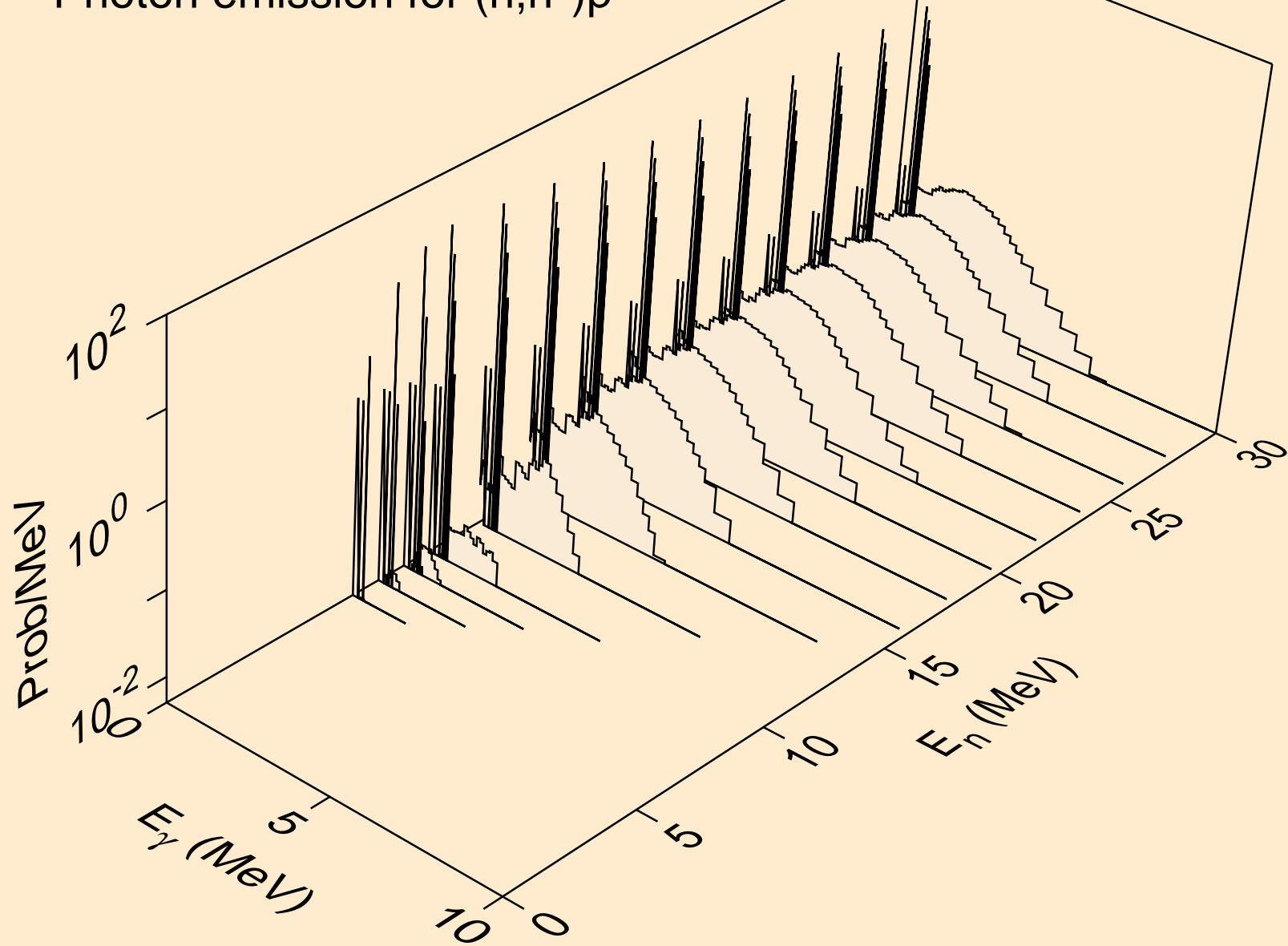
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



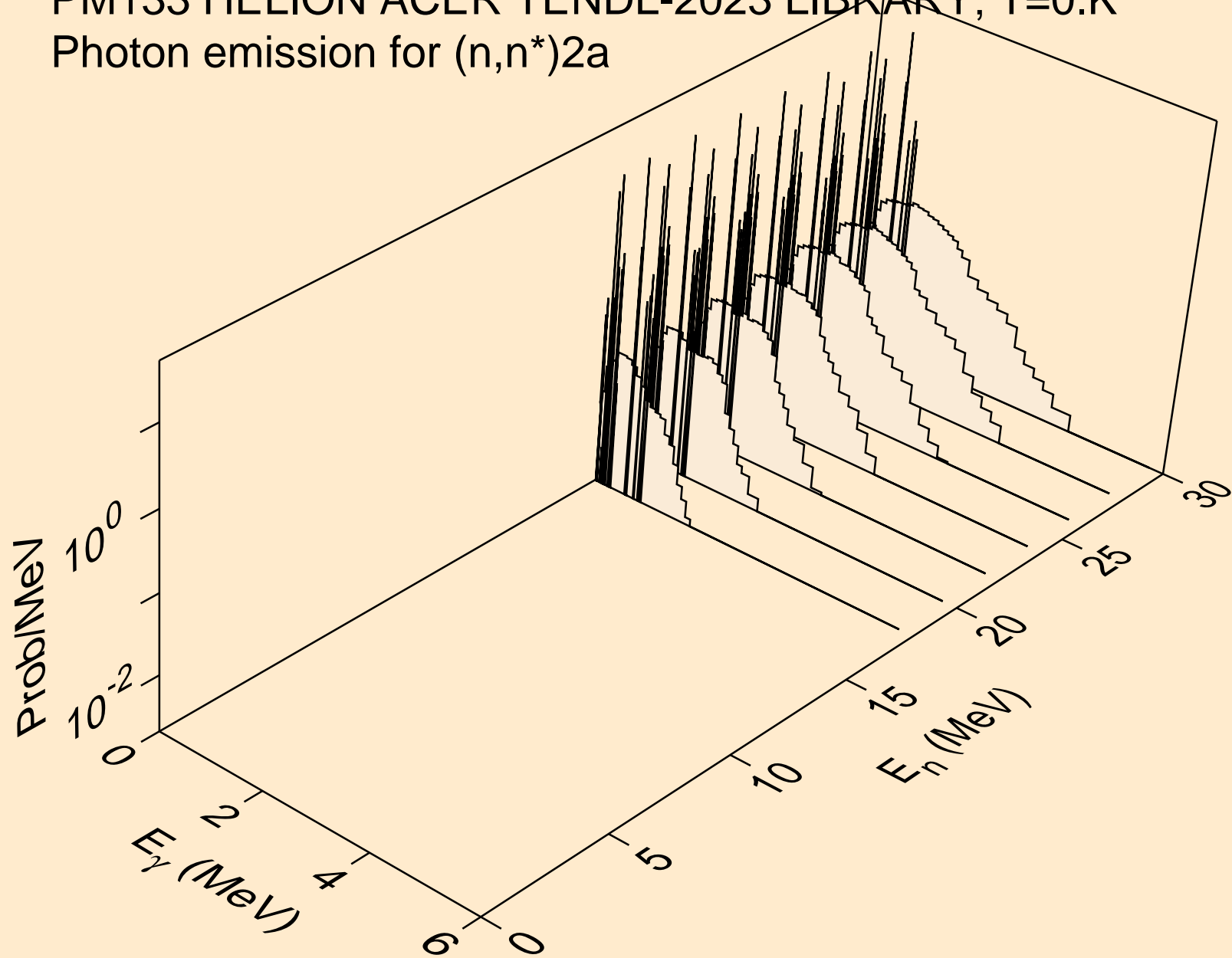
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

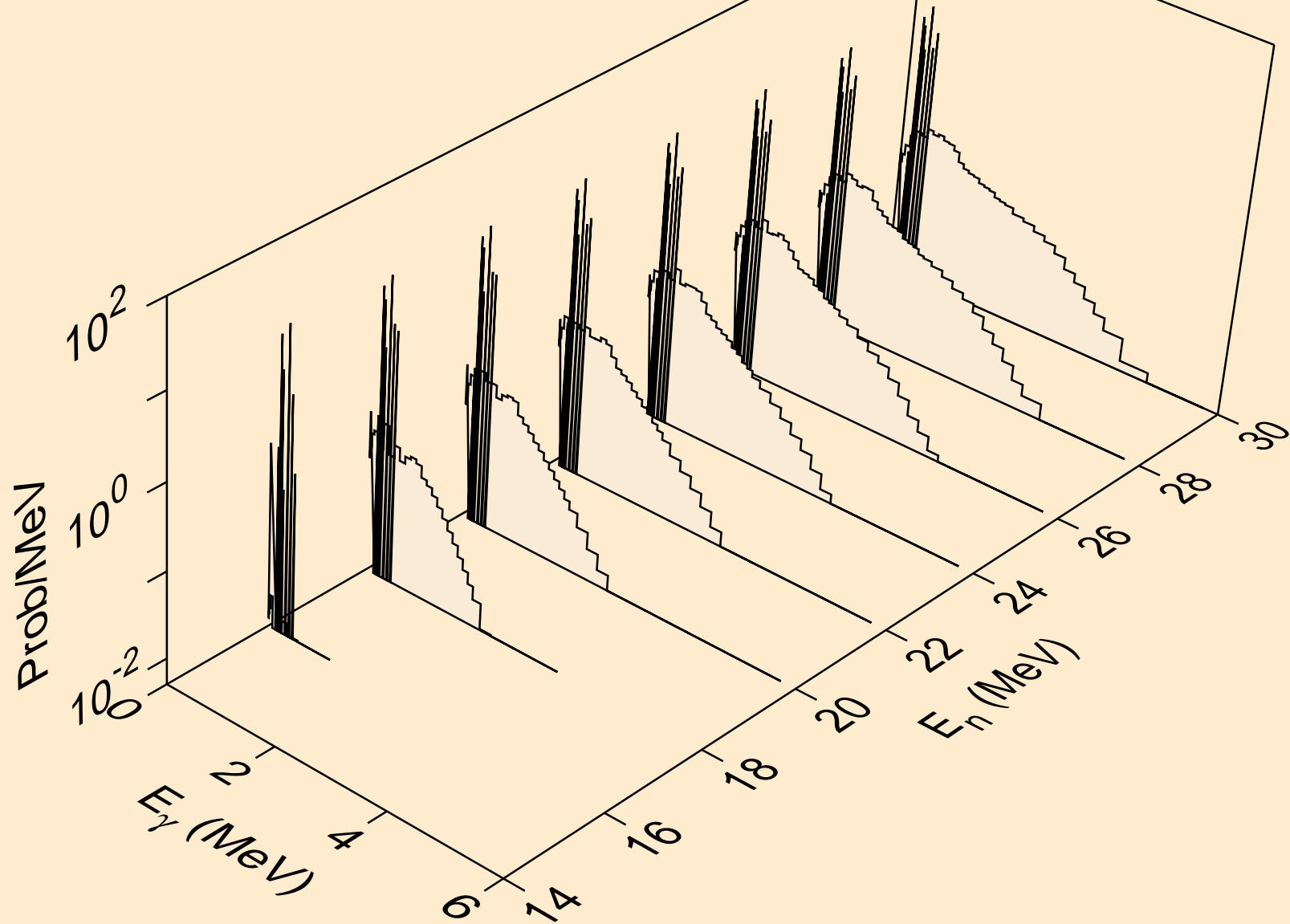


PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

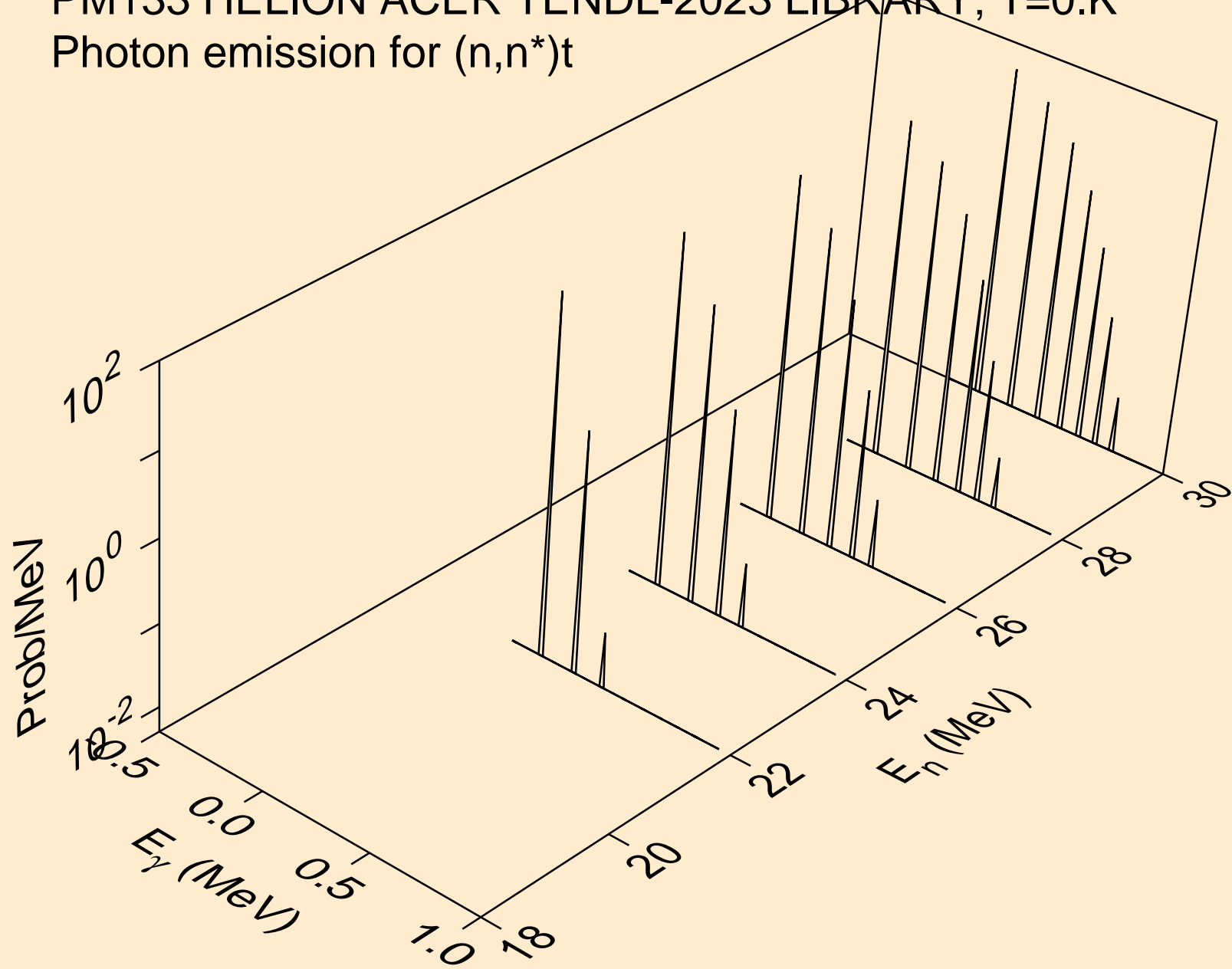




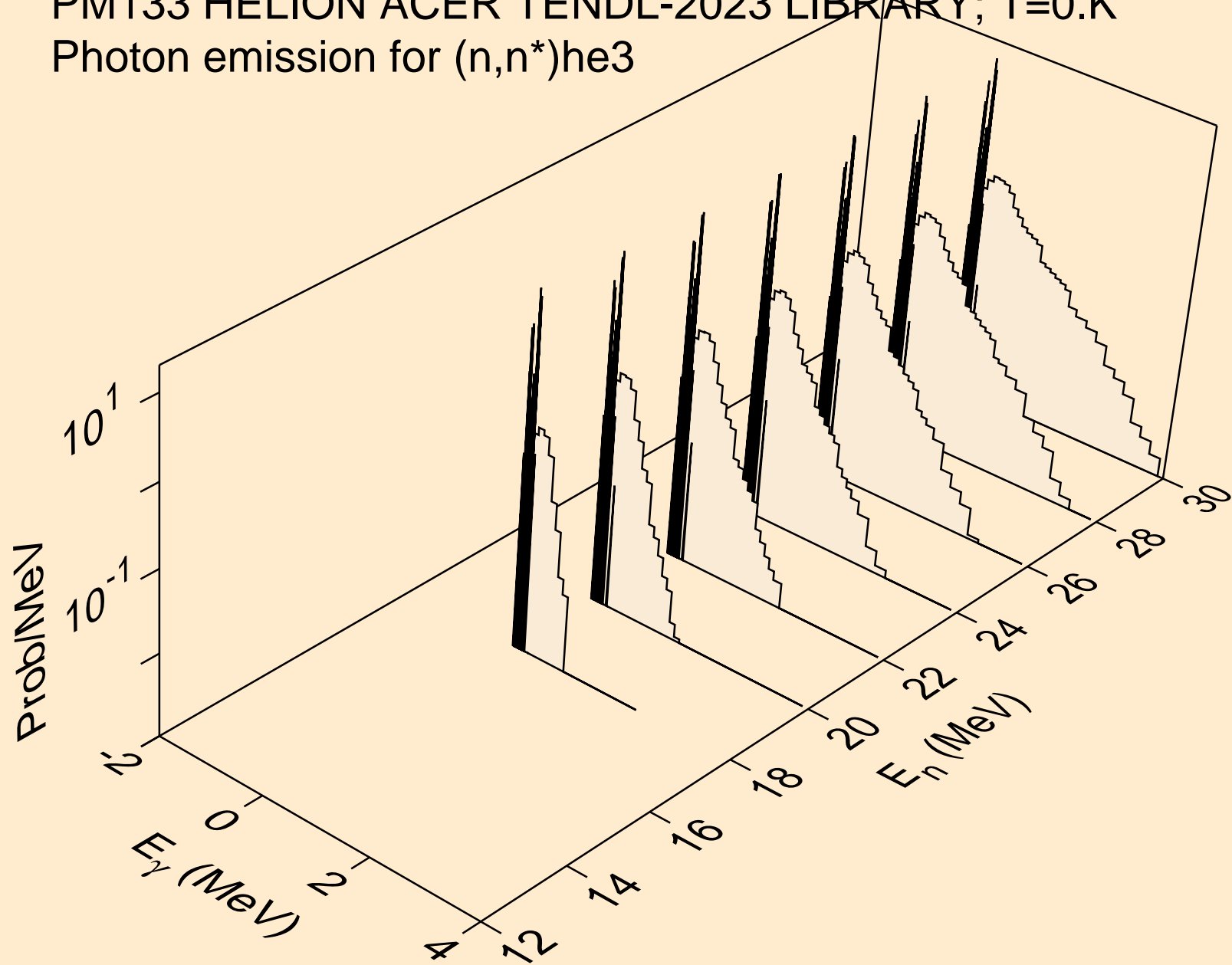
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



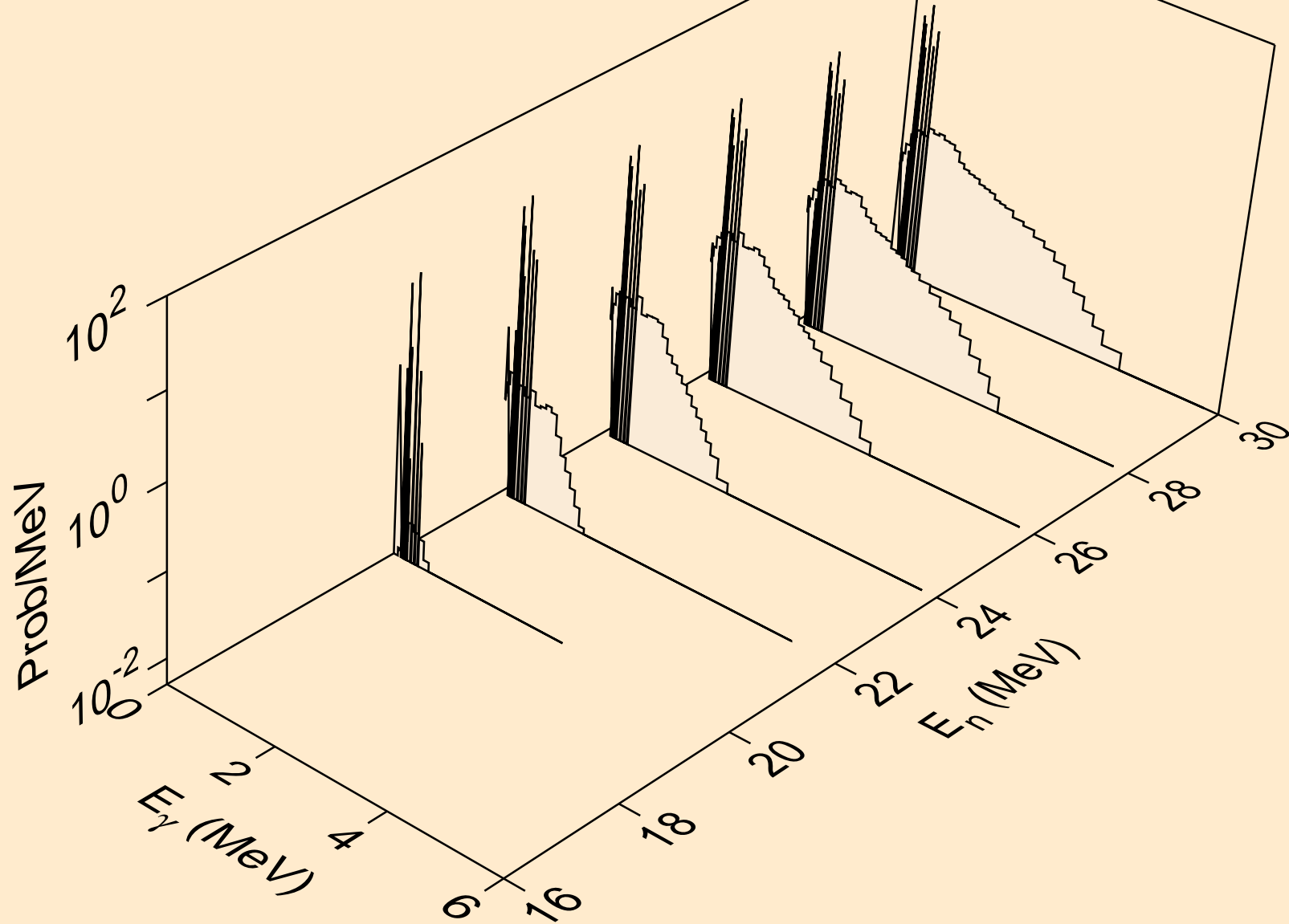
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



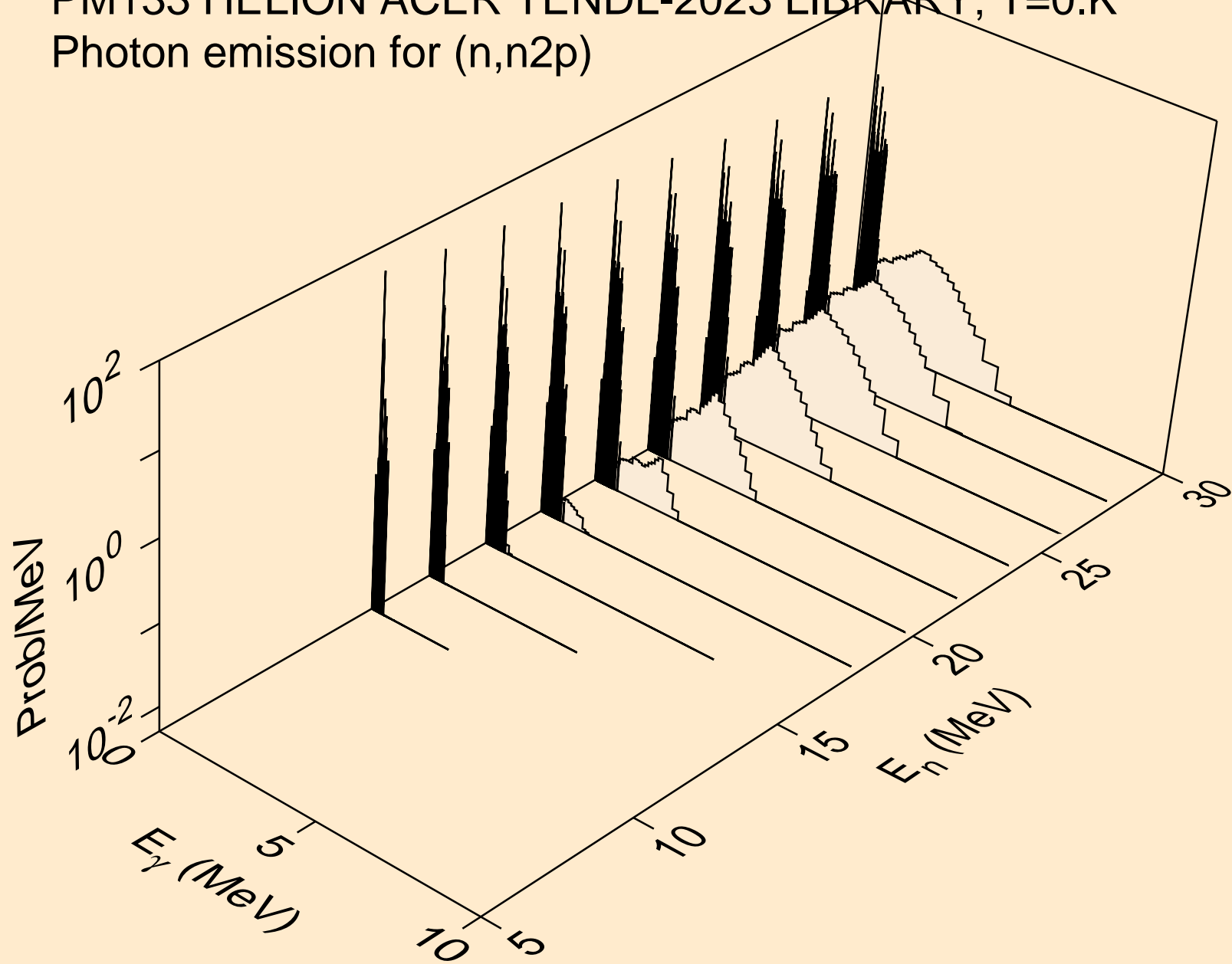
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



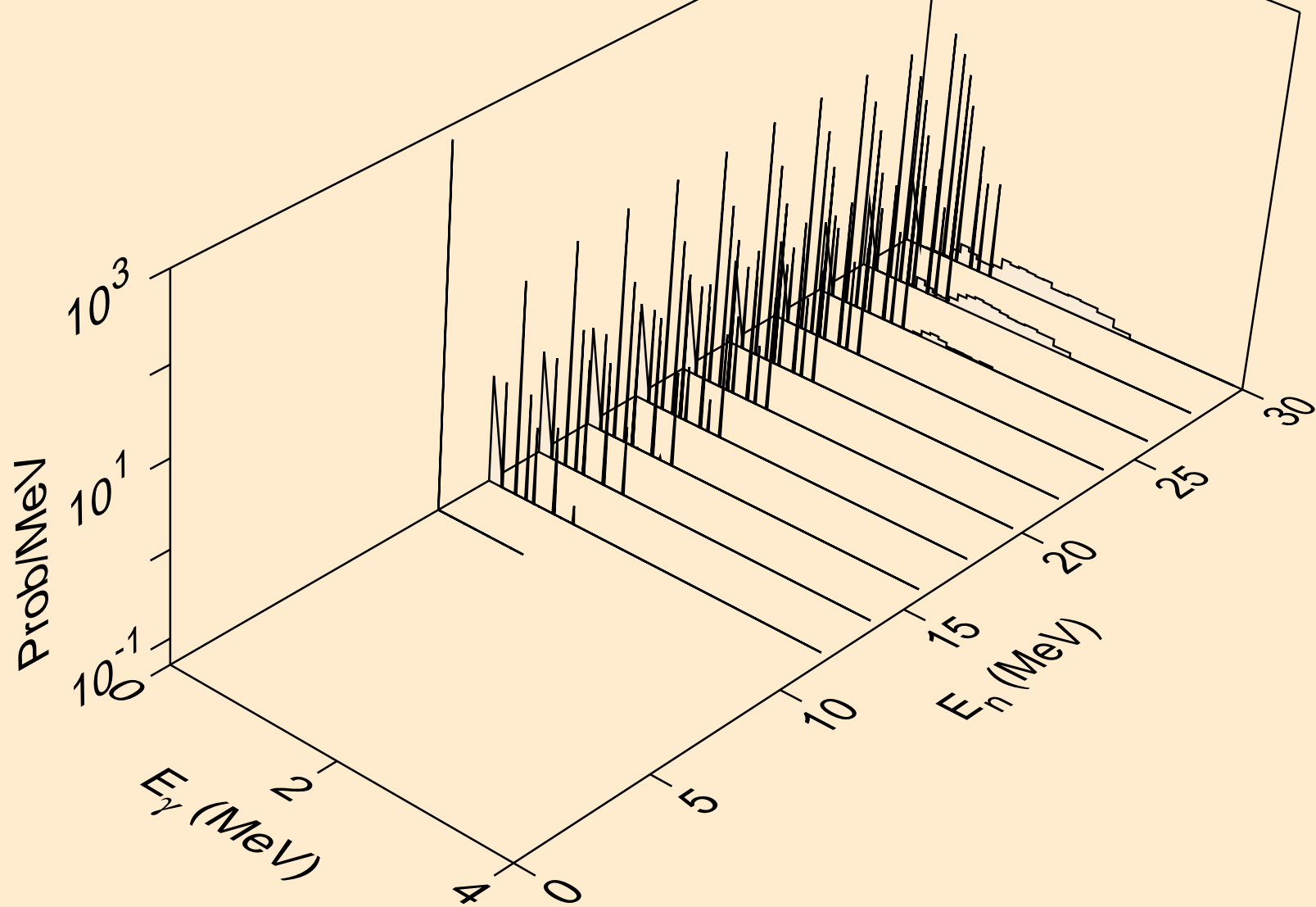
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Photon emission for (n,2np)



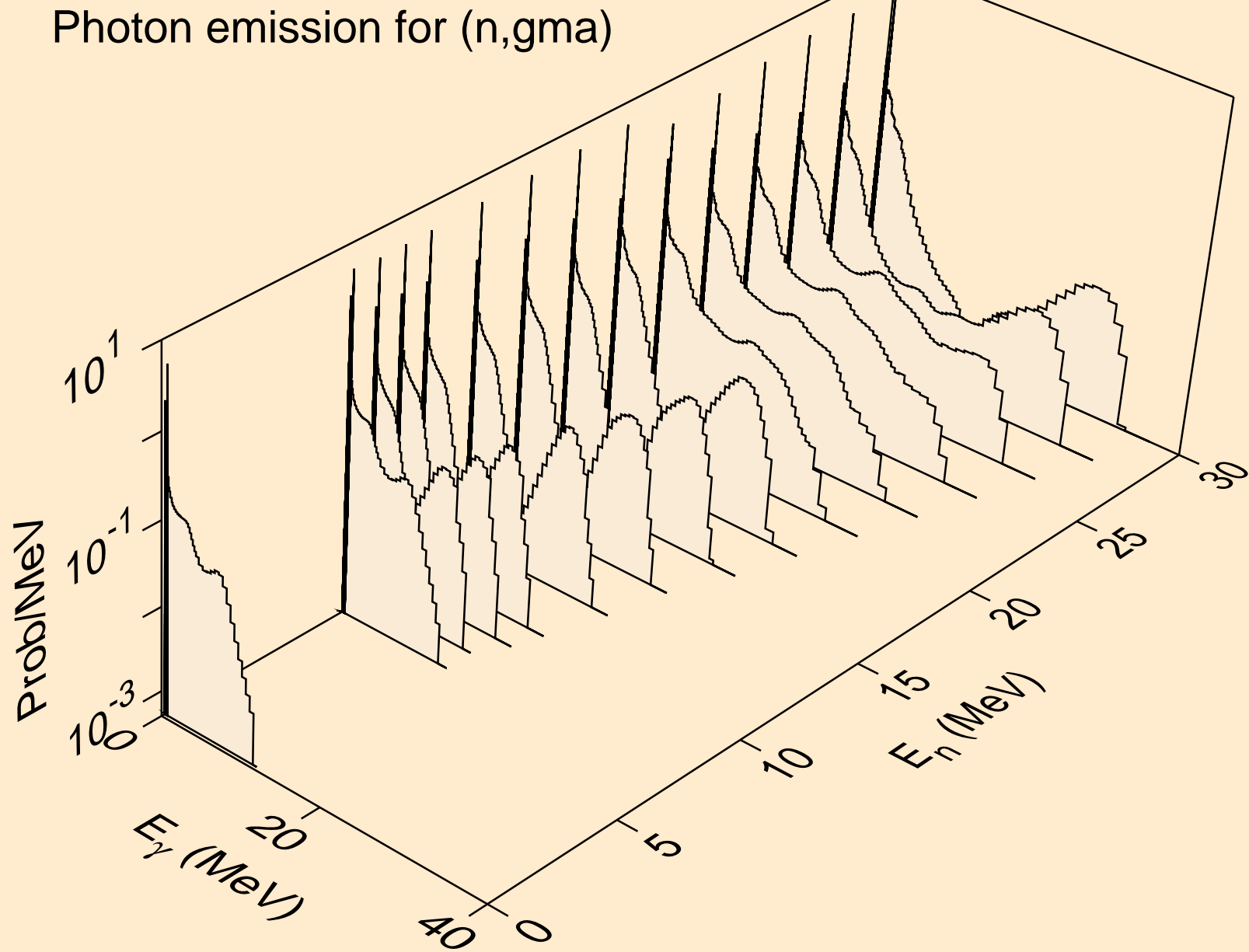
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Photon emission for (n,n2p)



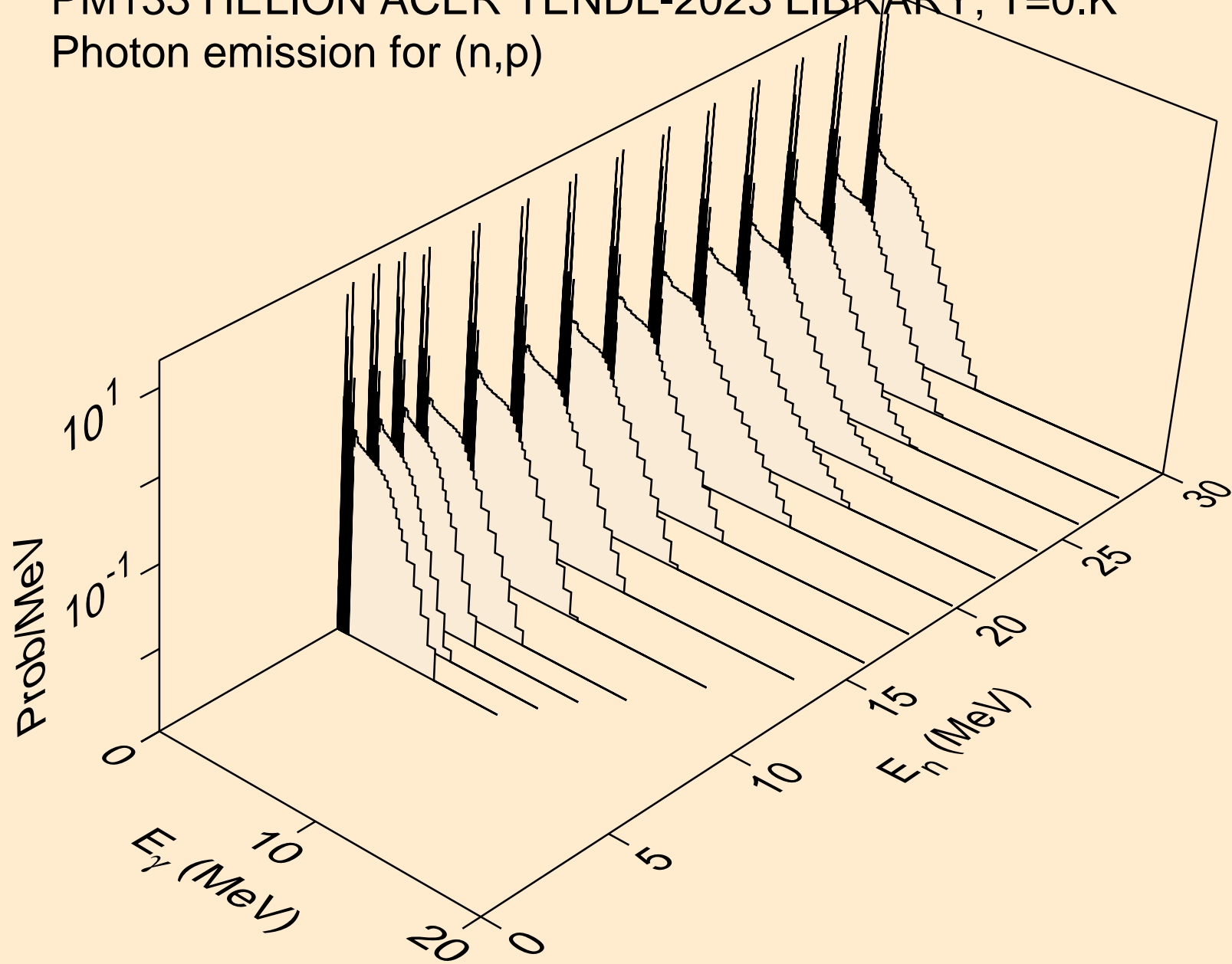
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)

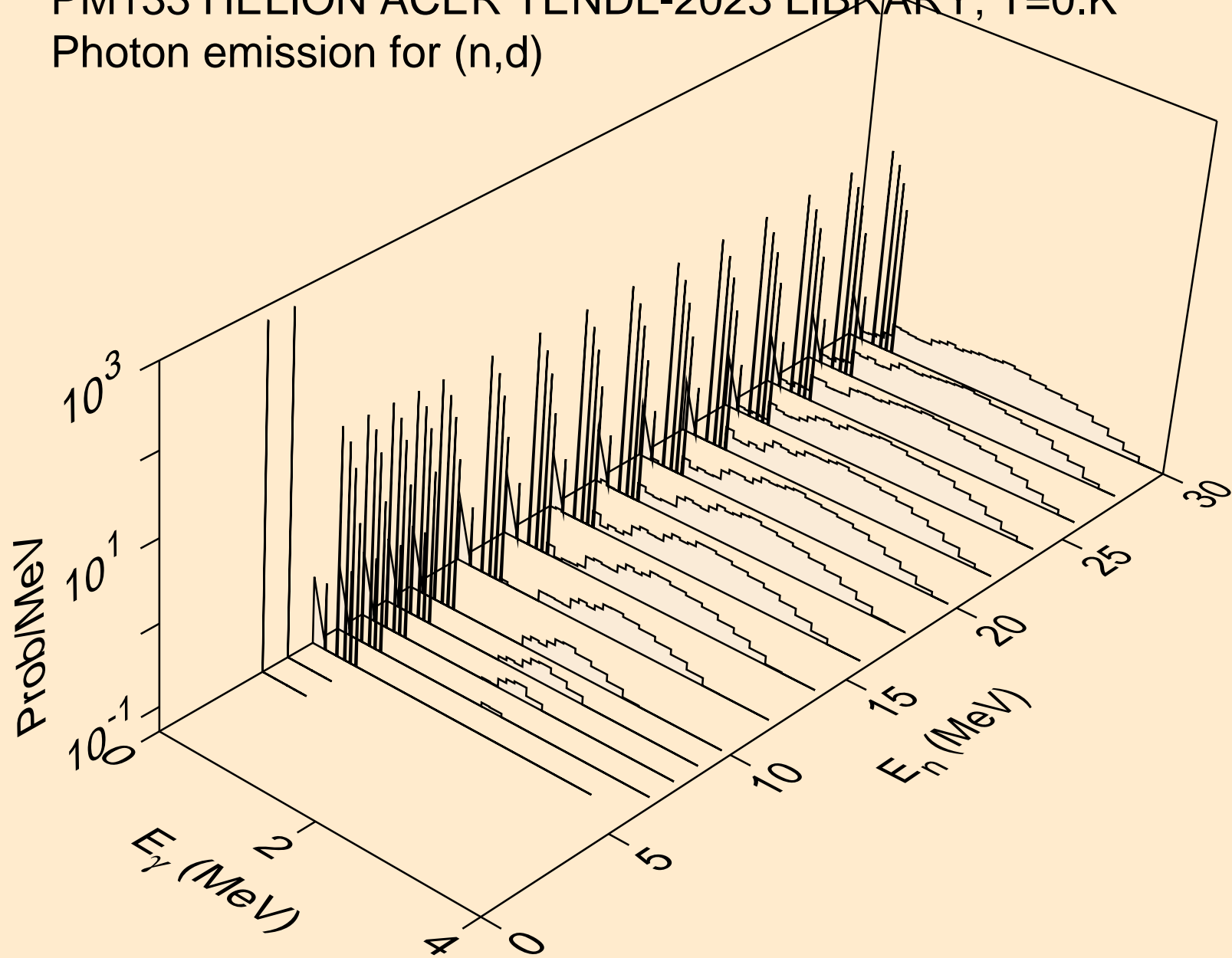


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Photon emission for (n,p)

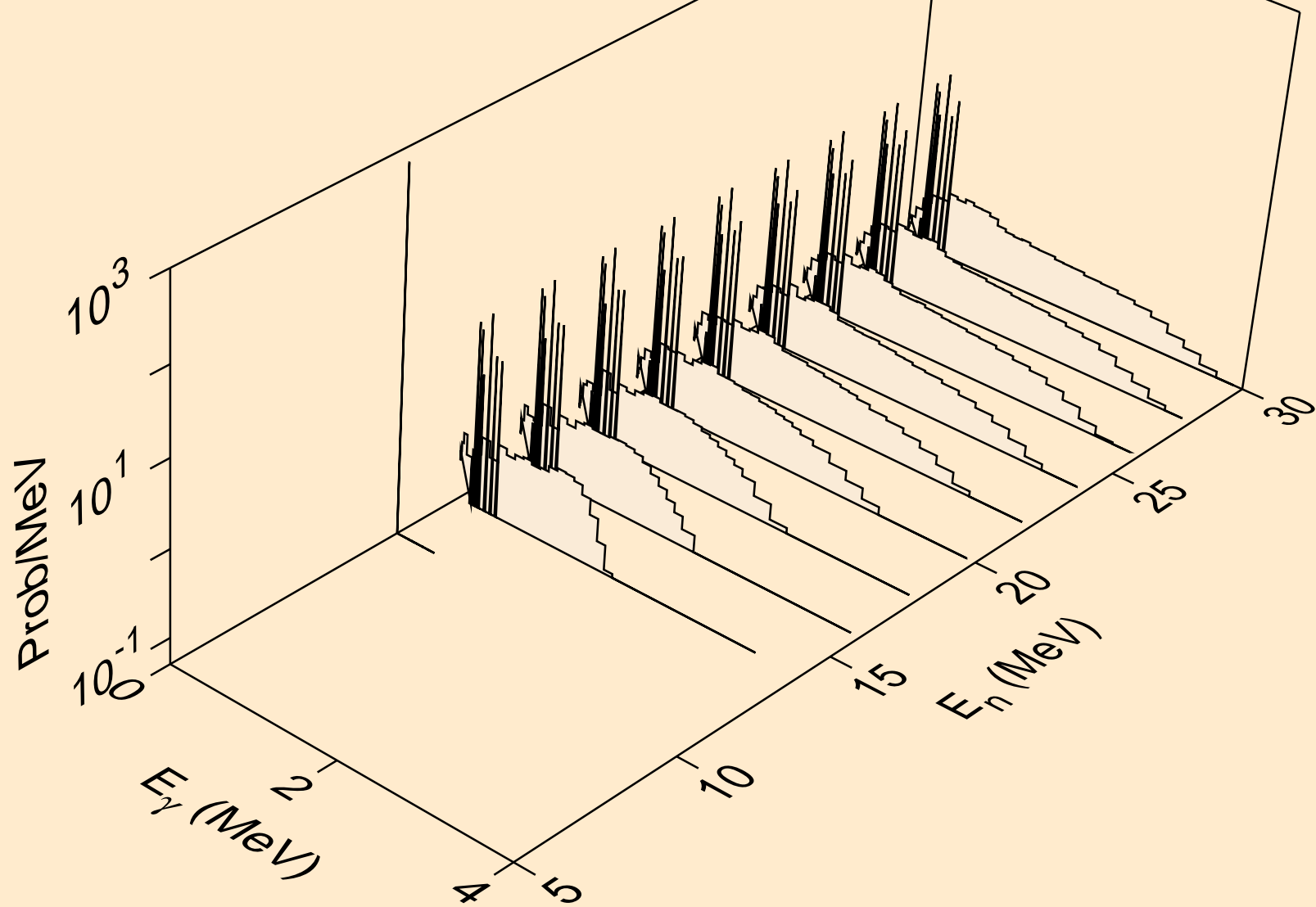




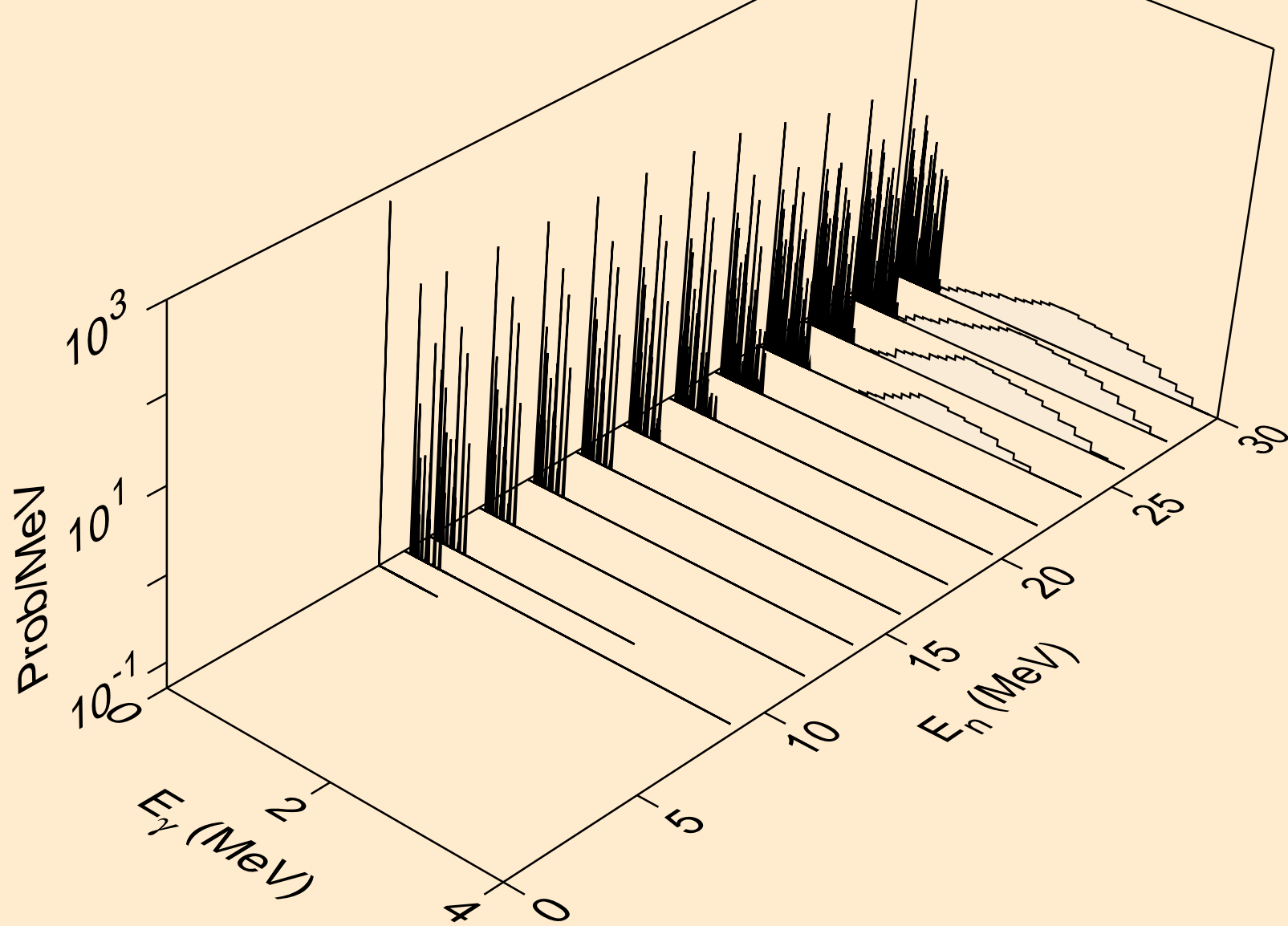
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



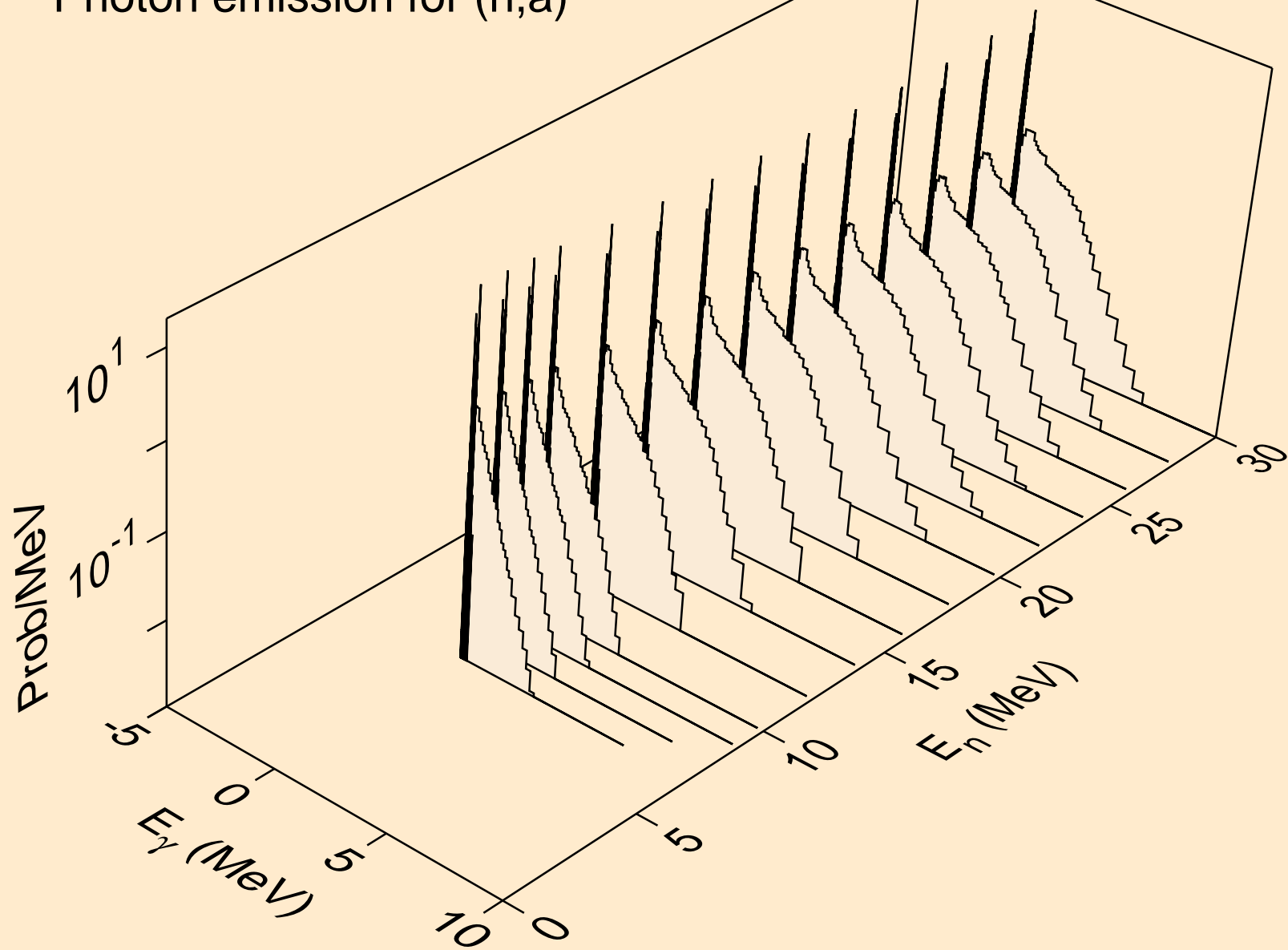
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Photon emission for (n,t)



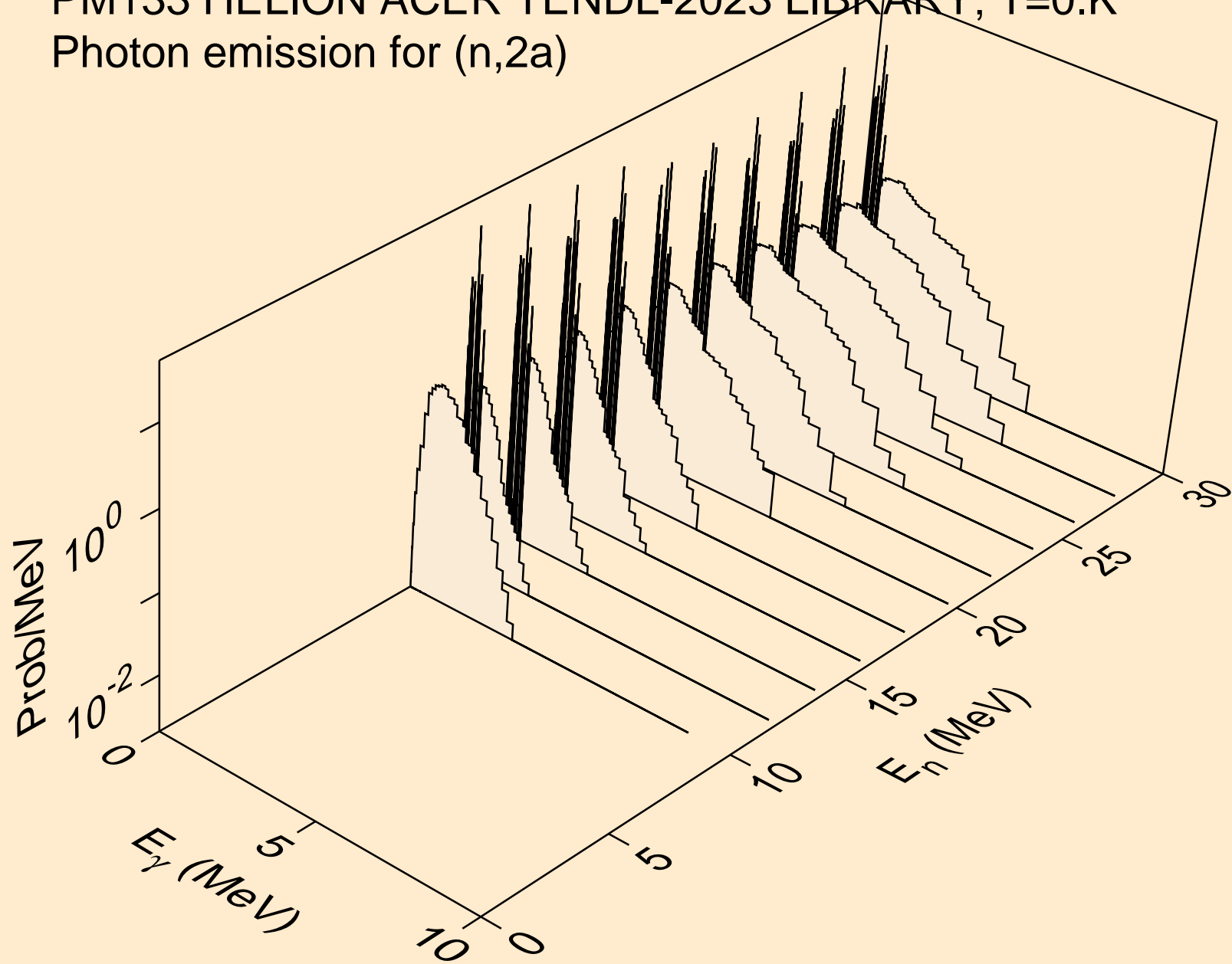
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



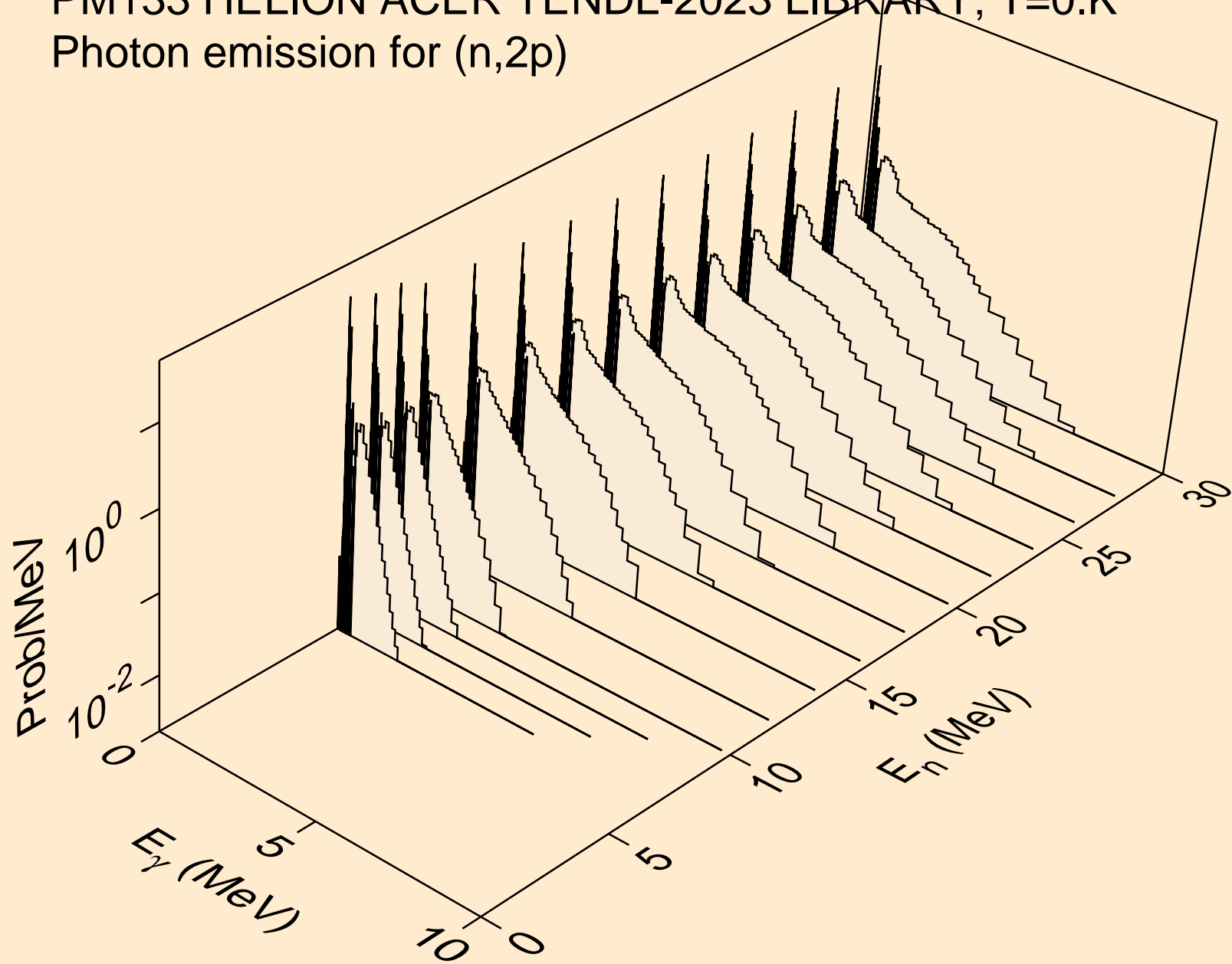
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Photon emission for (n,a)



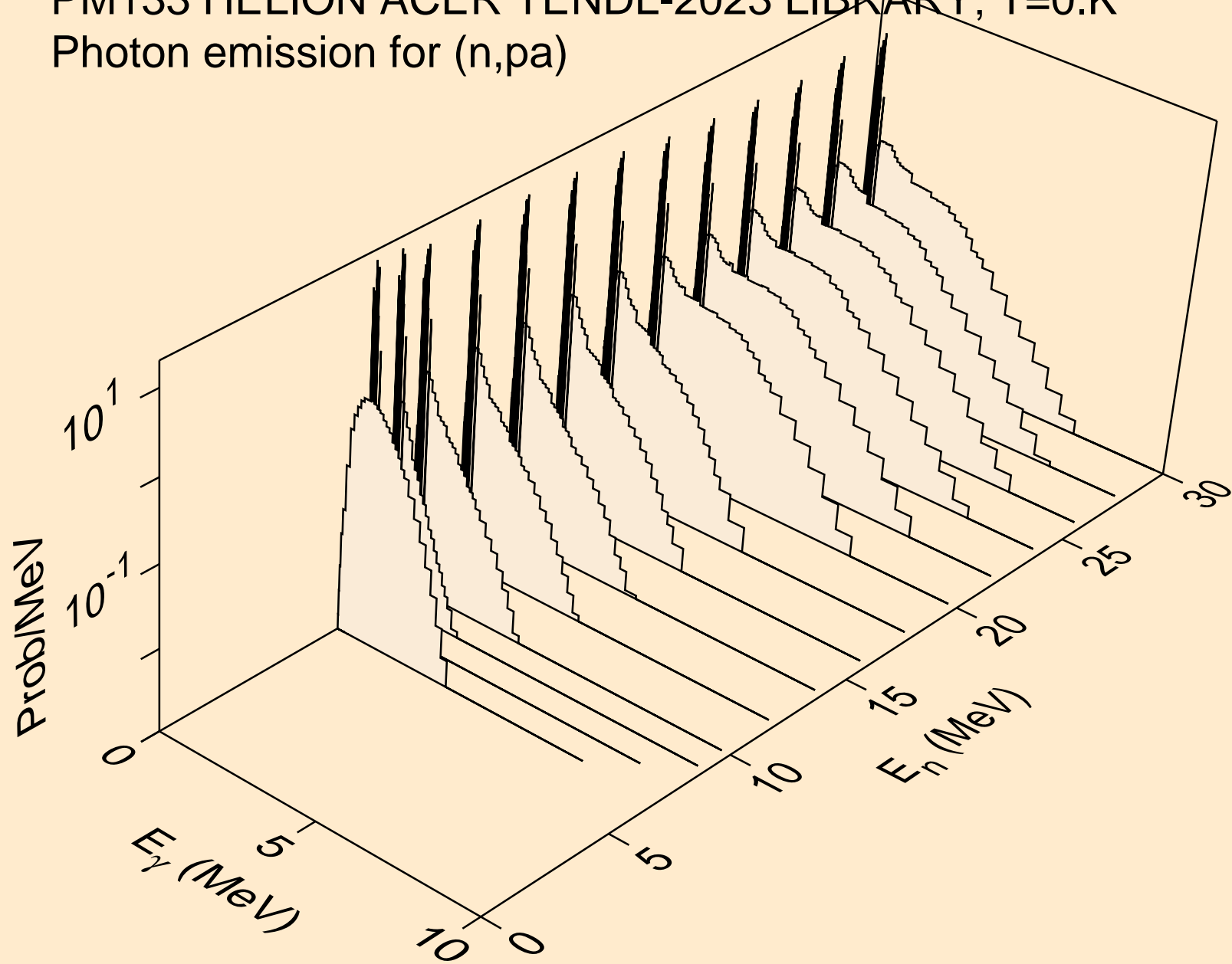
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Photon emission for (n,2a)



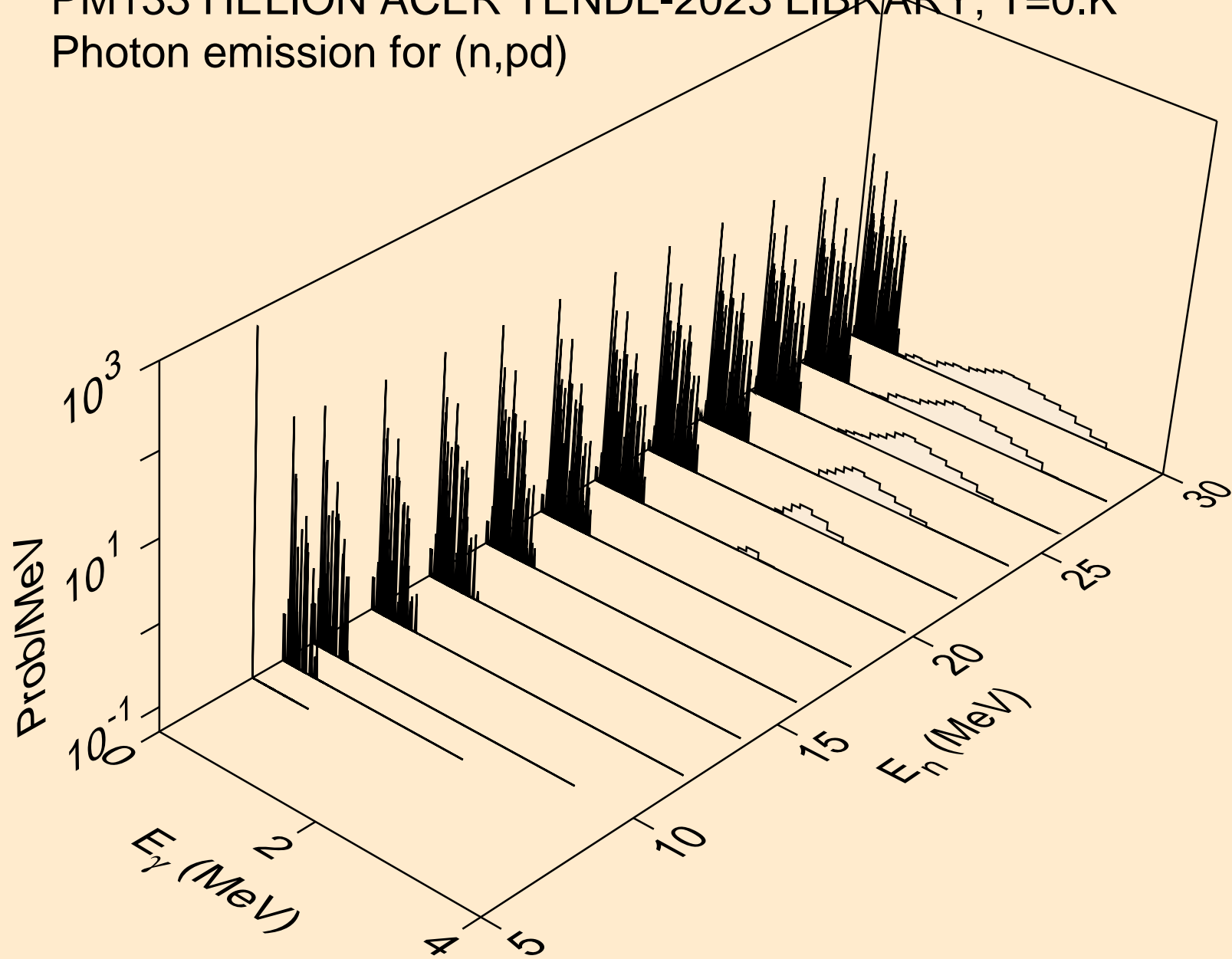
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)

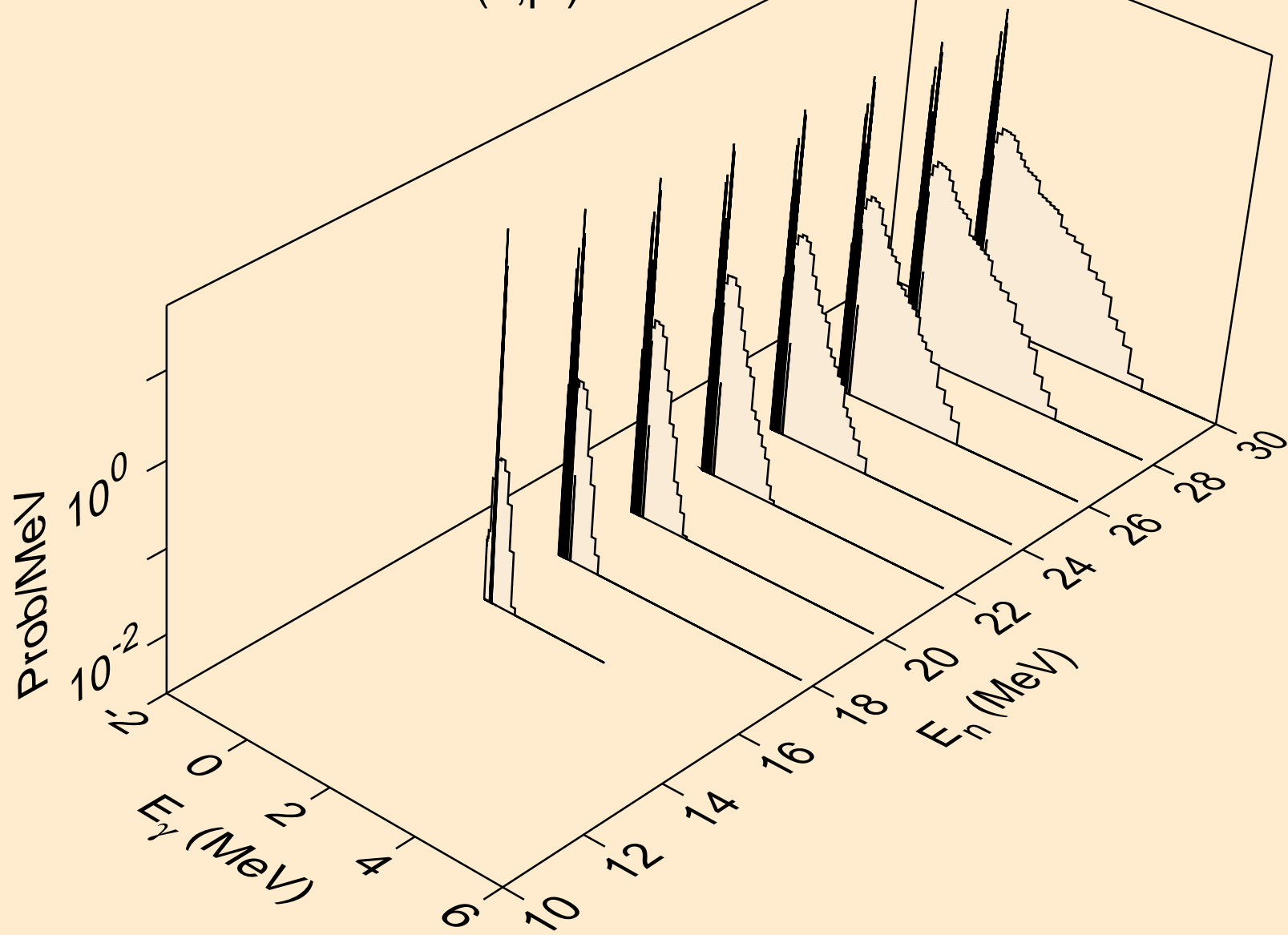


PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)

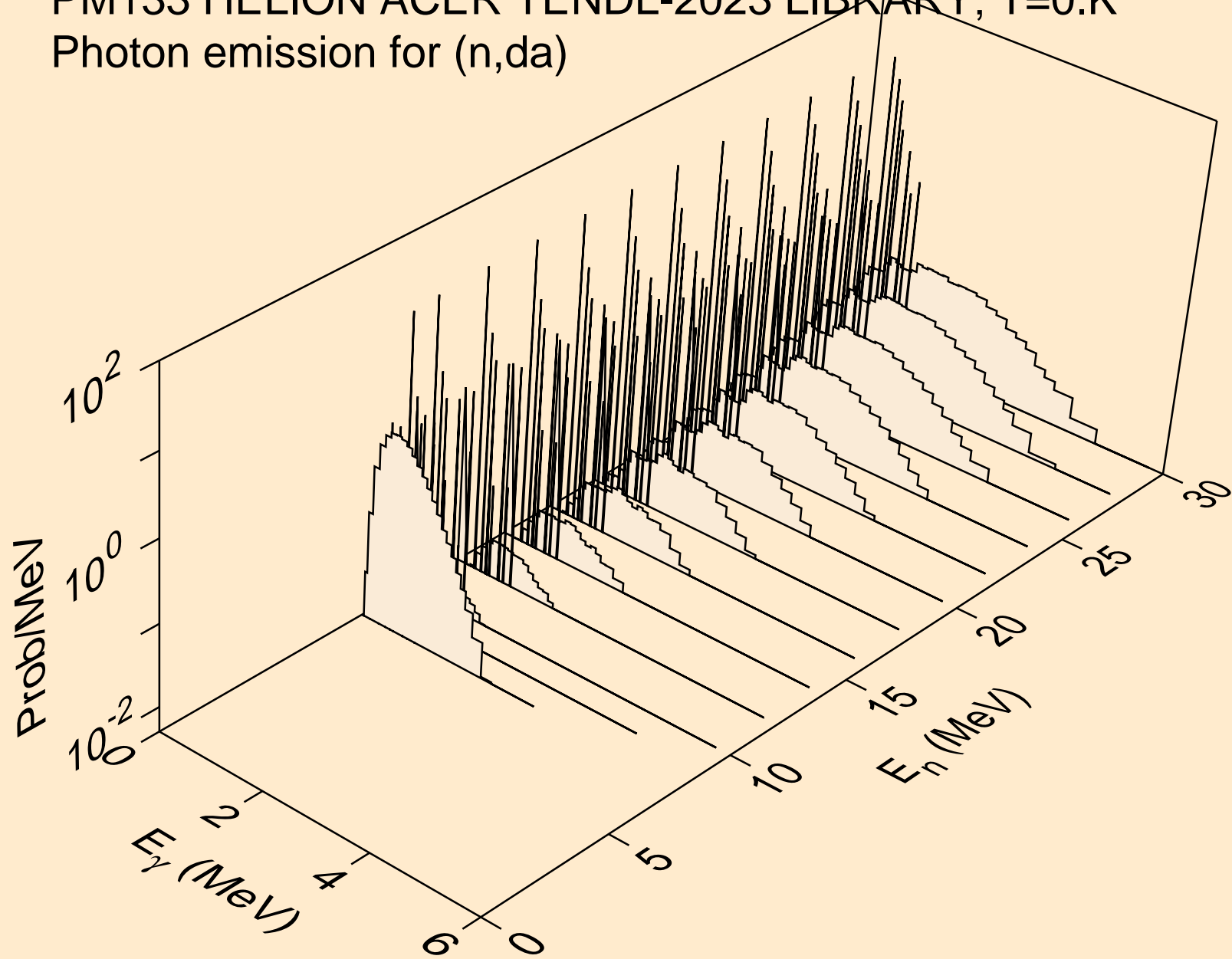




PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

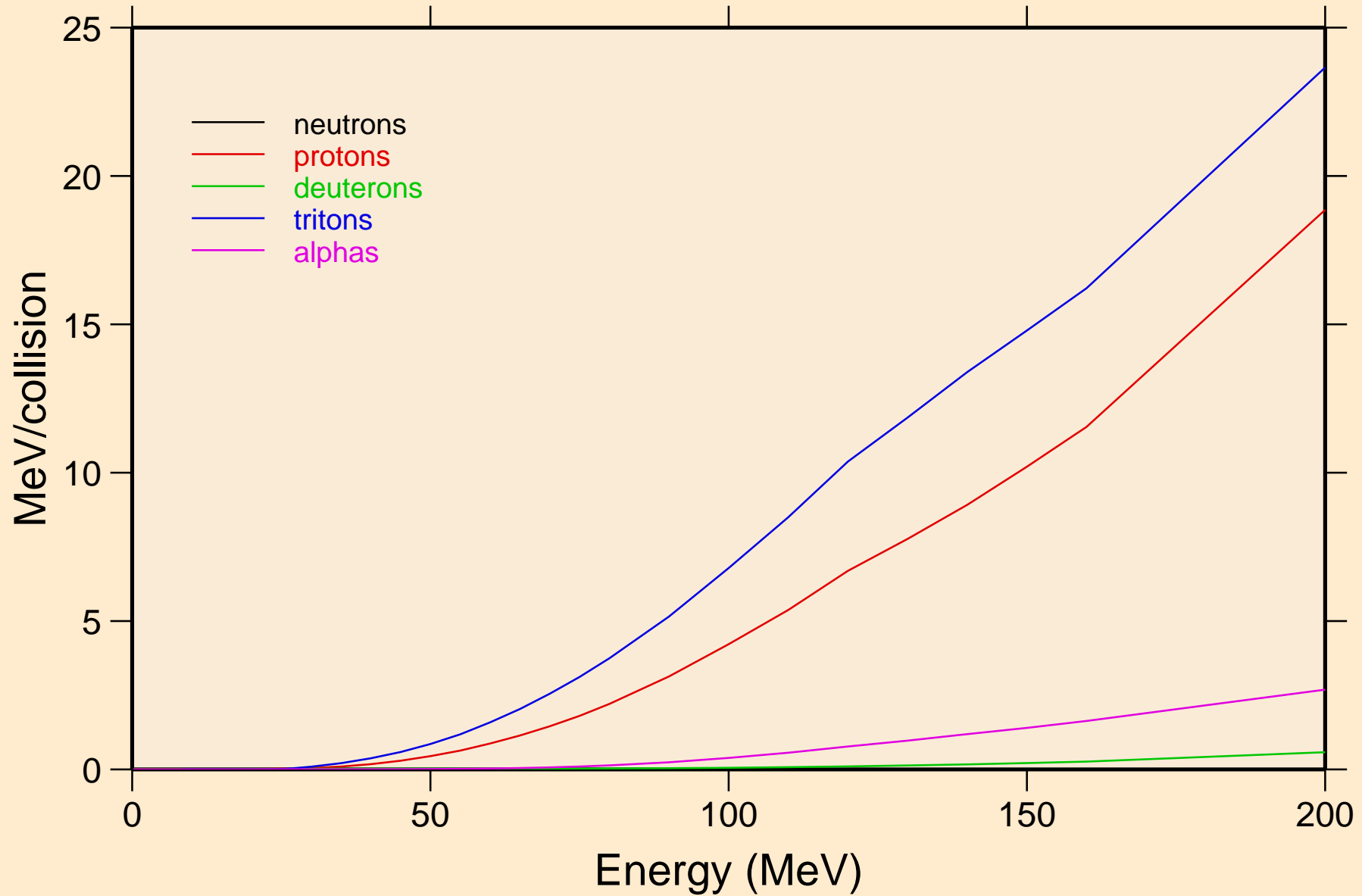


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Photon emission for (n,da)

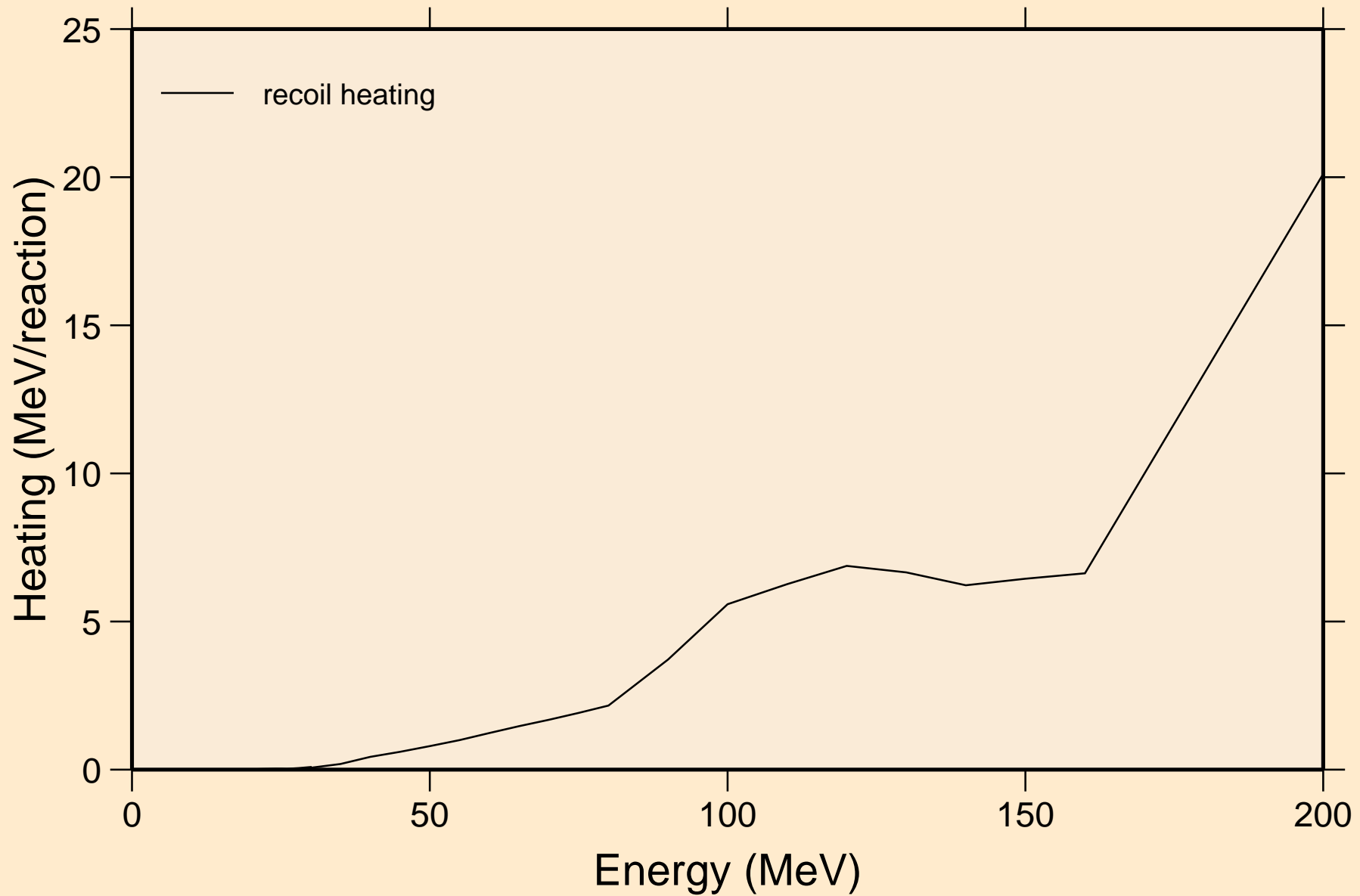


# PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K

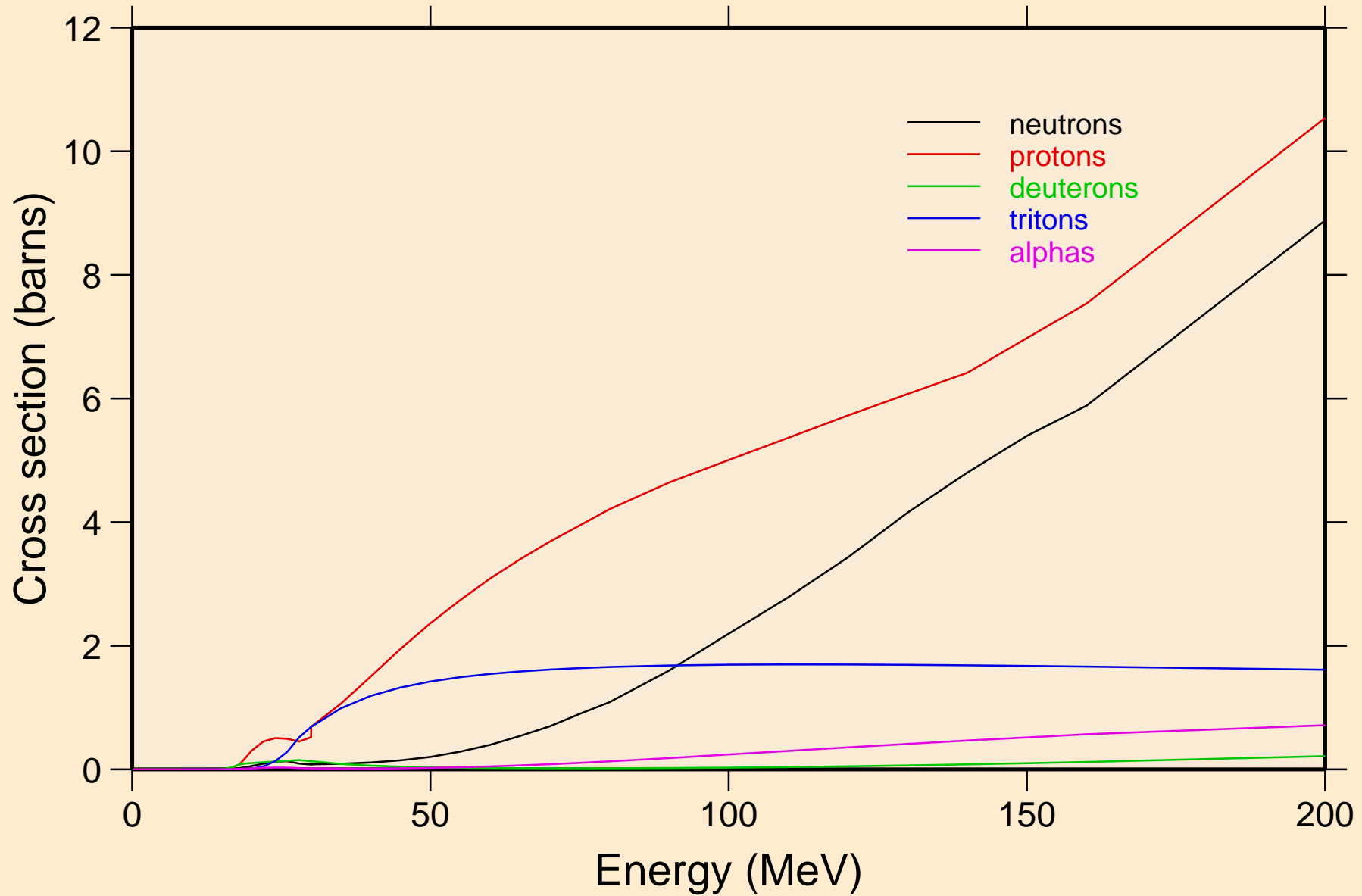
## Particle heating contributions



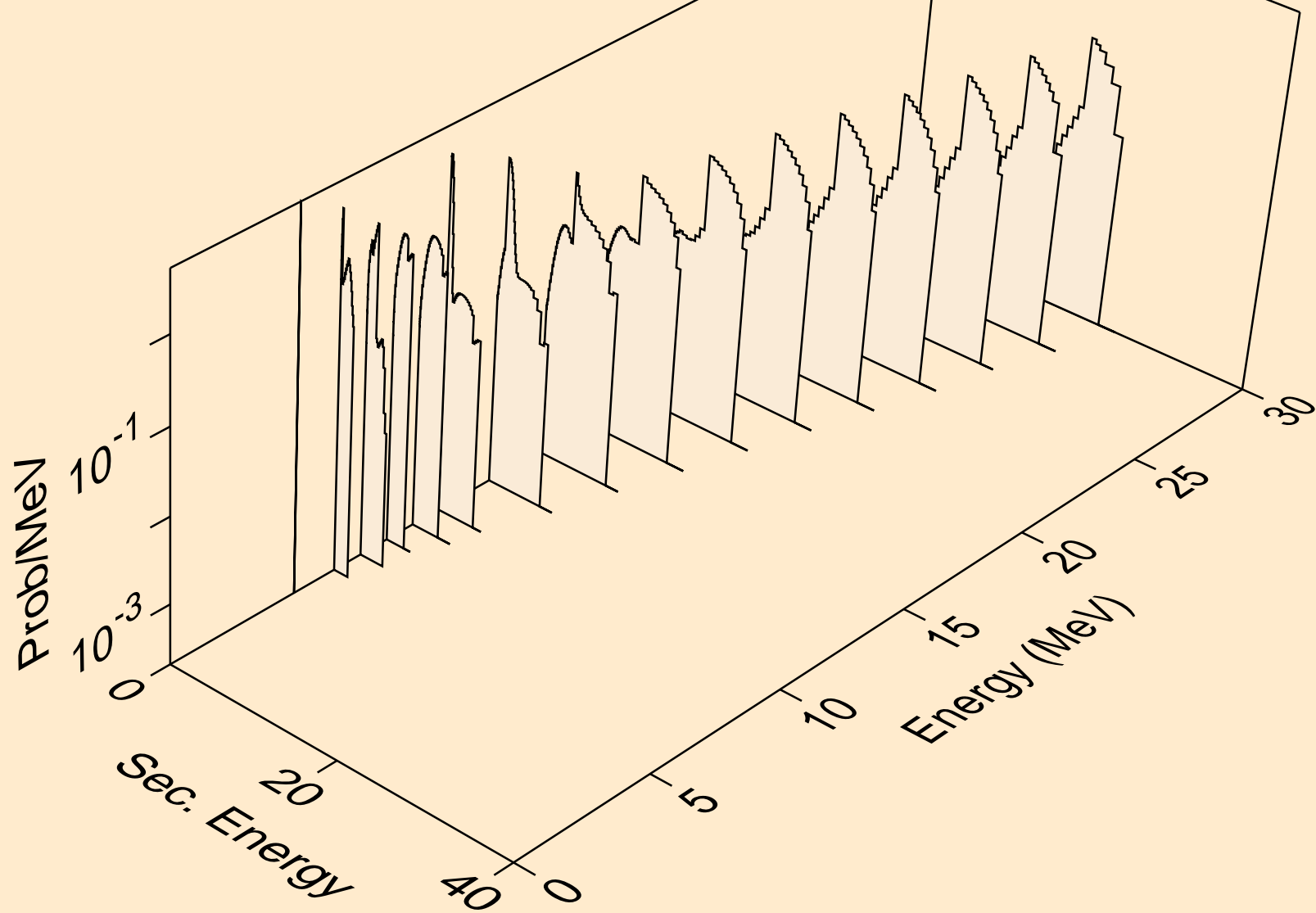
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Recoil Heating



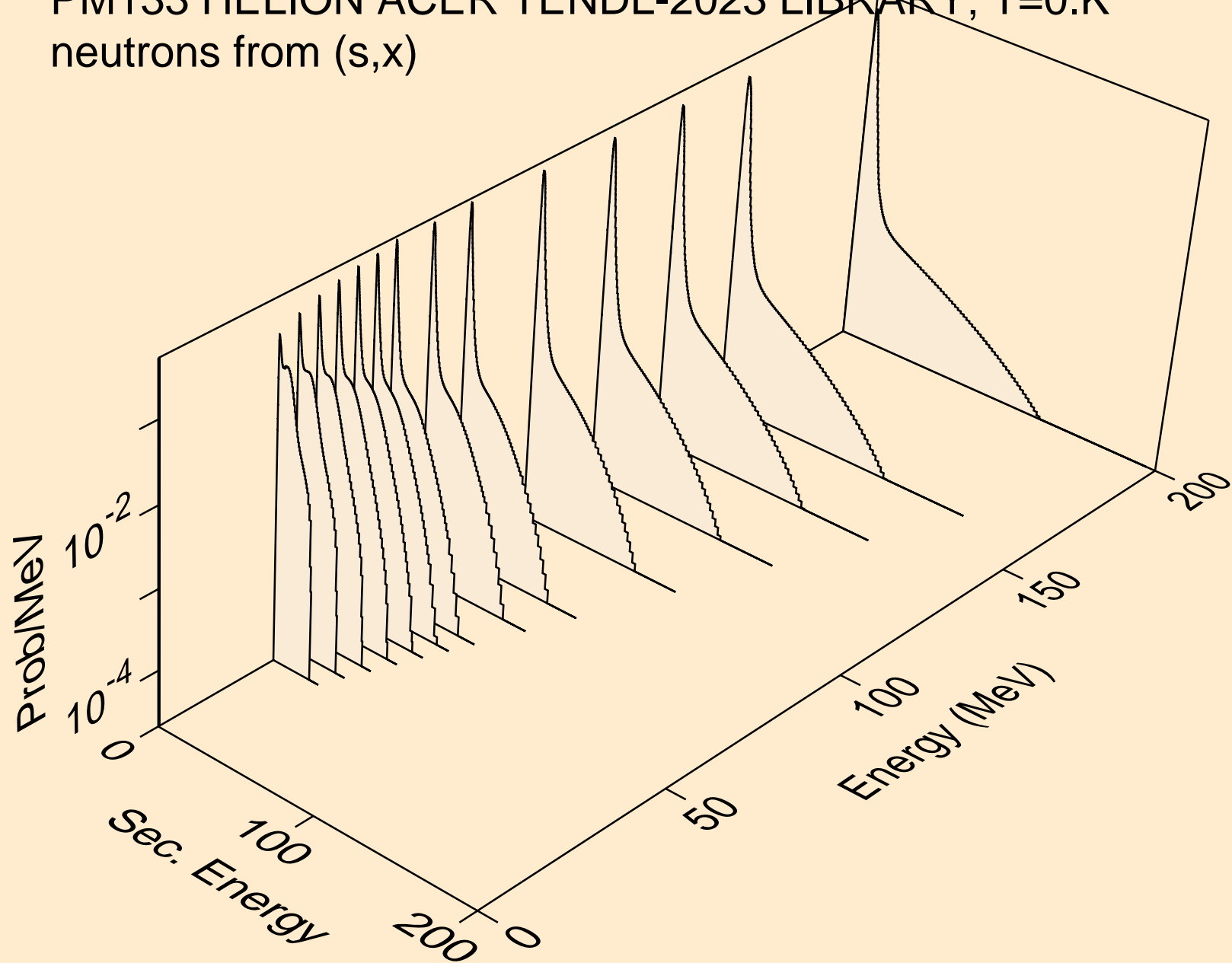
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



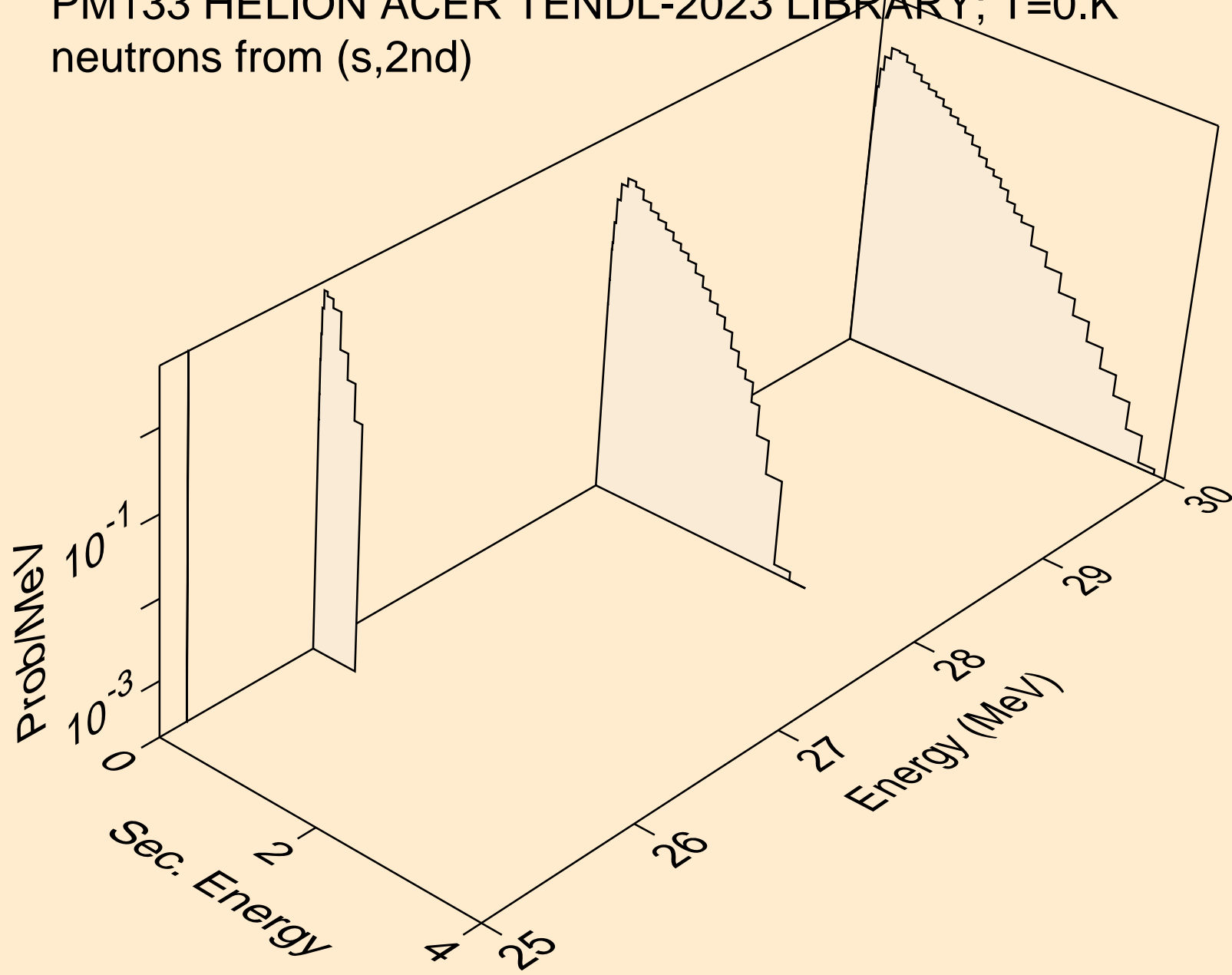
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,x)

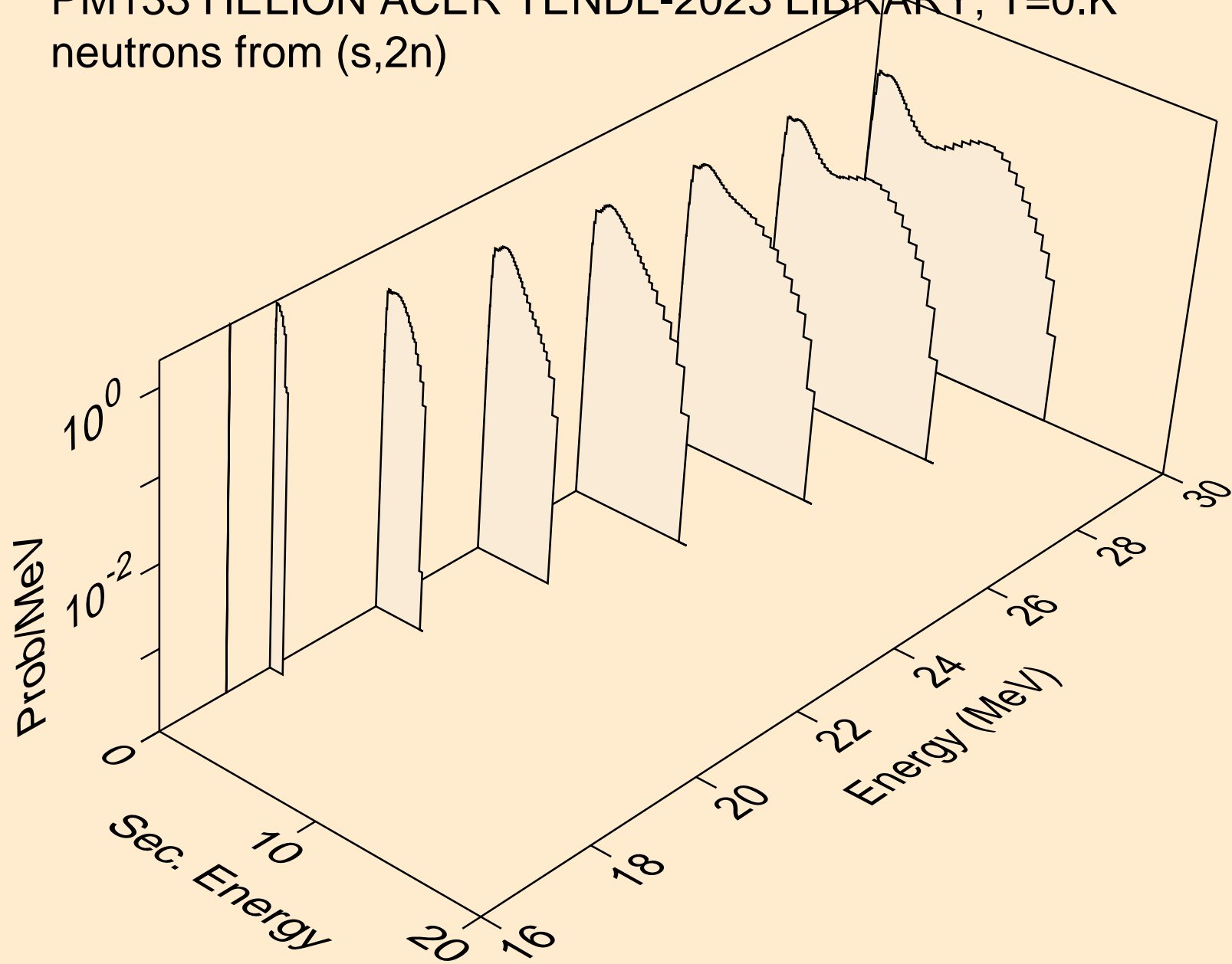


PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2nd)

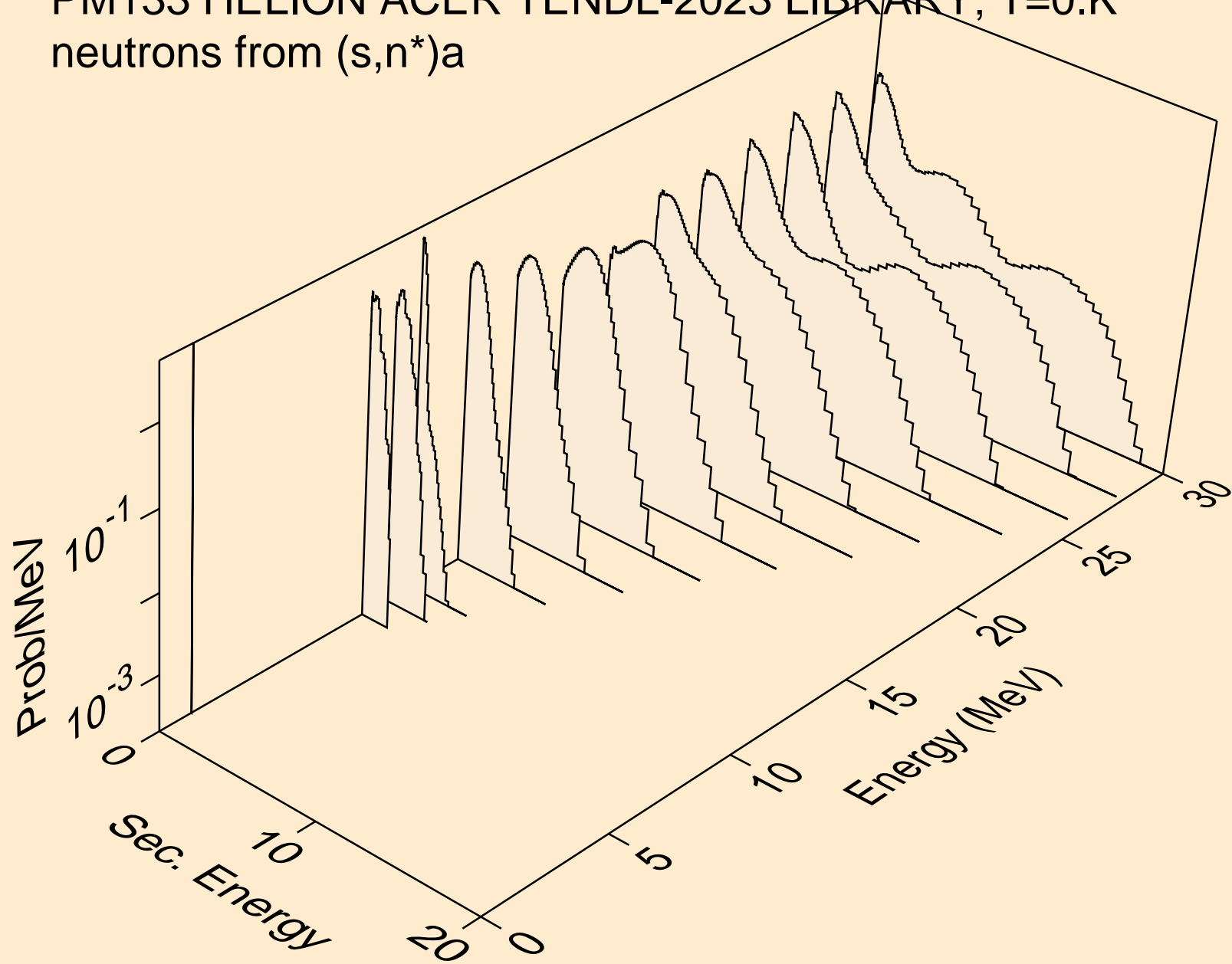




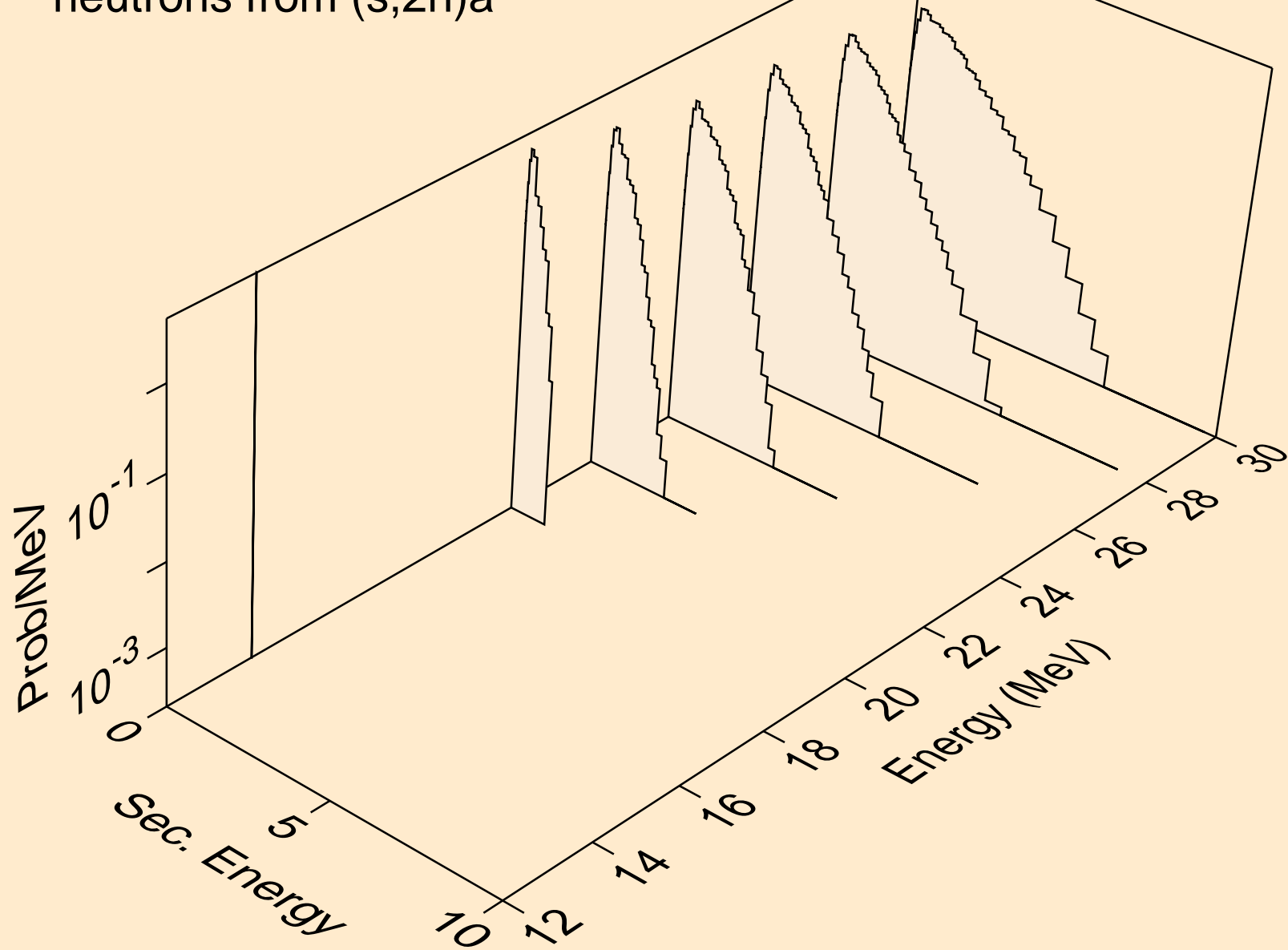
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neutrons from (s,2n)



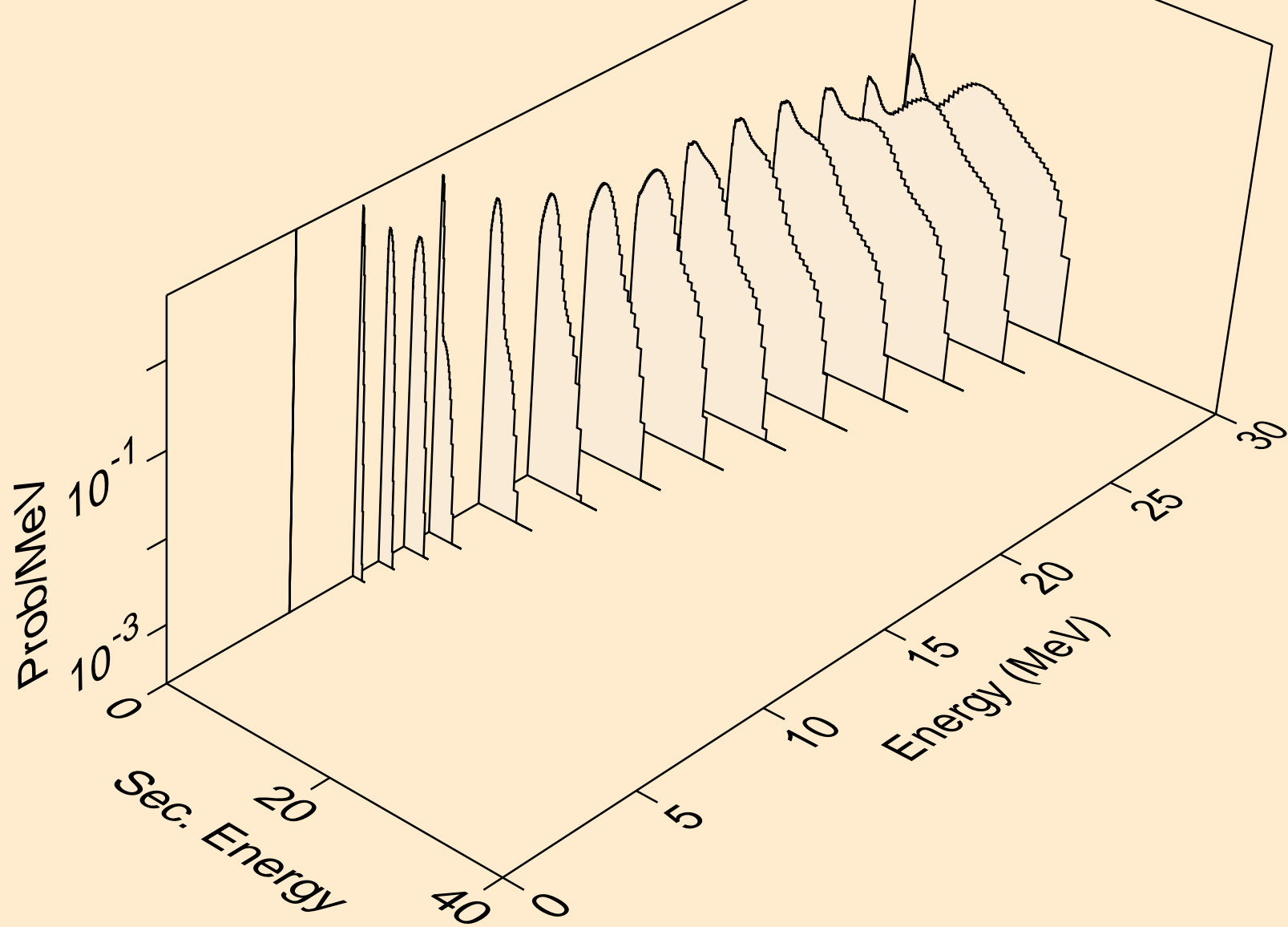
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a



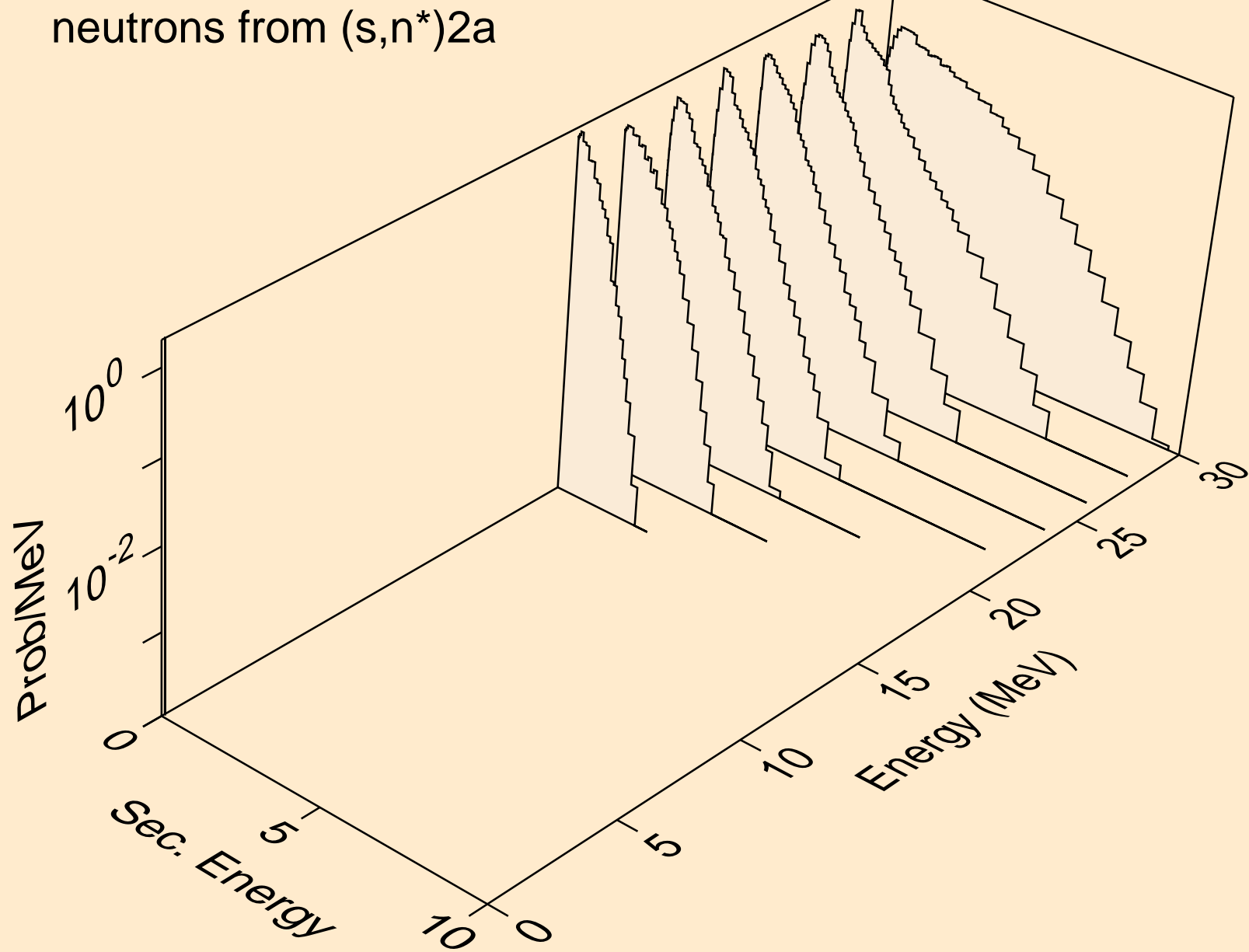
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neutrons from (s,2n)a



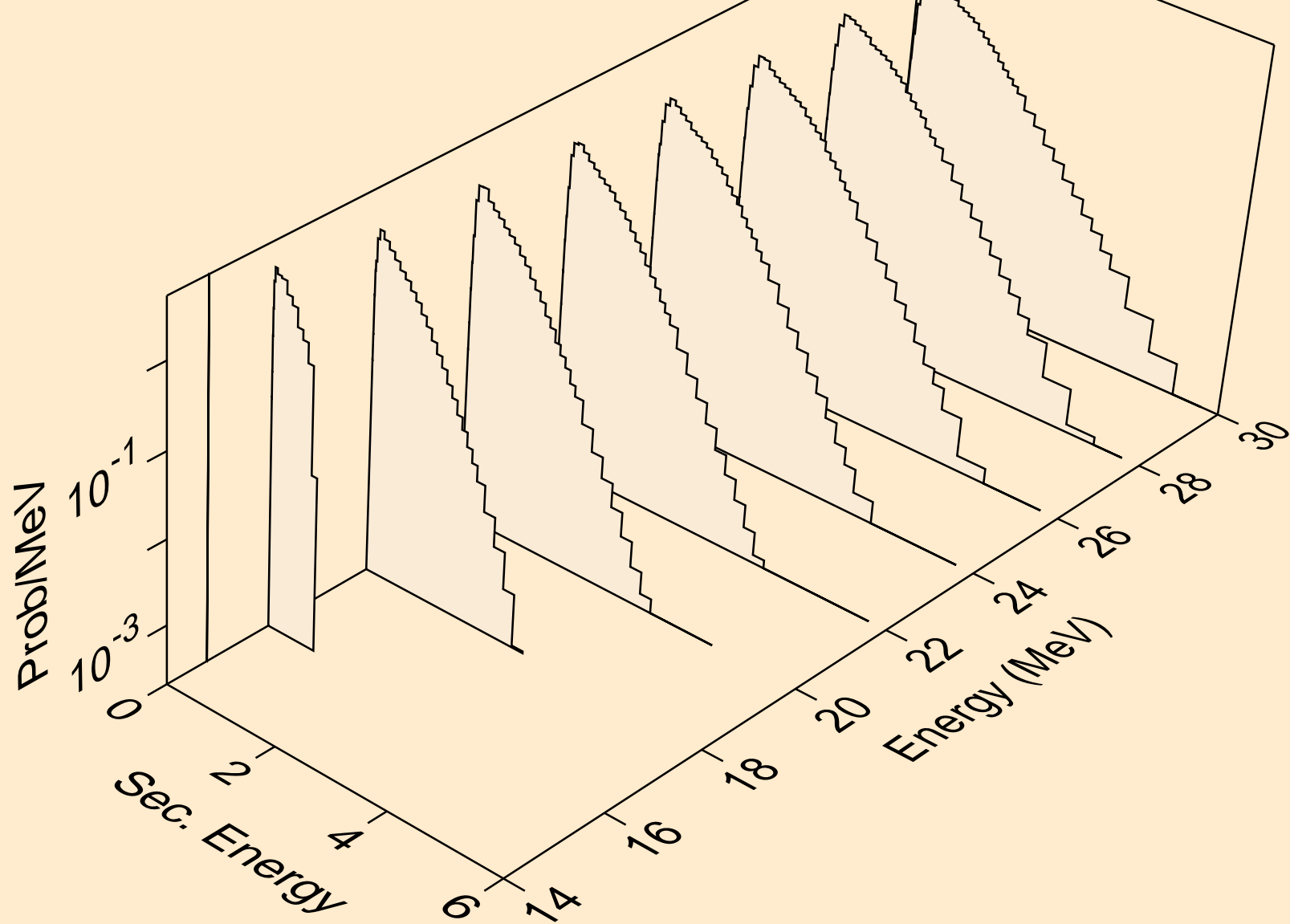
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neutrons from (s,n\*)p



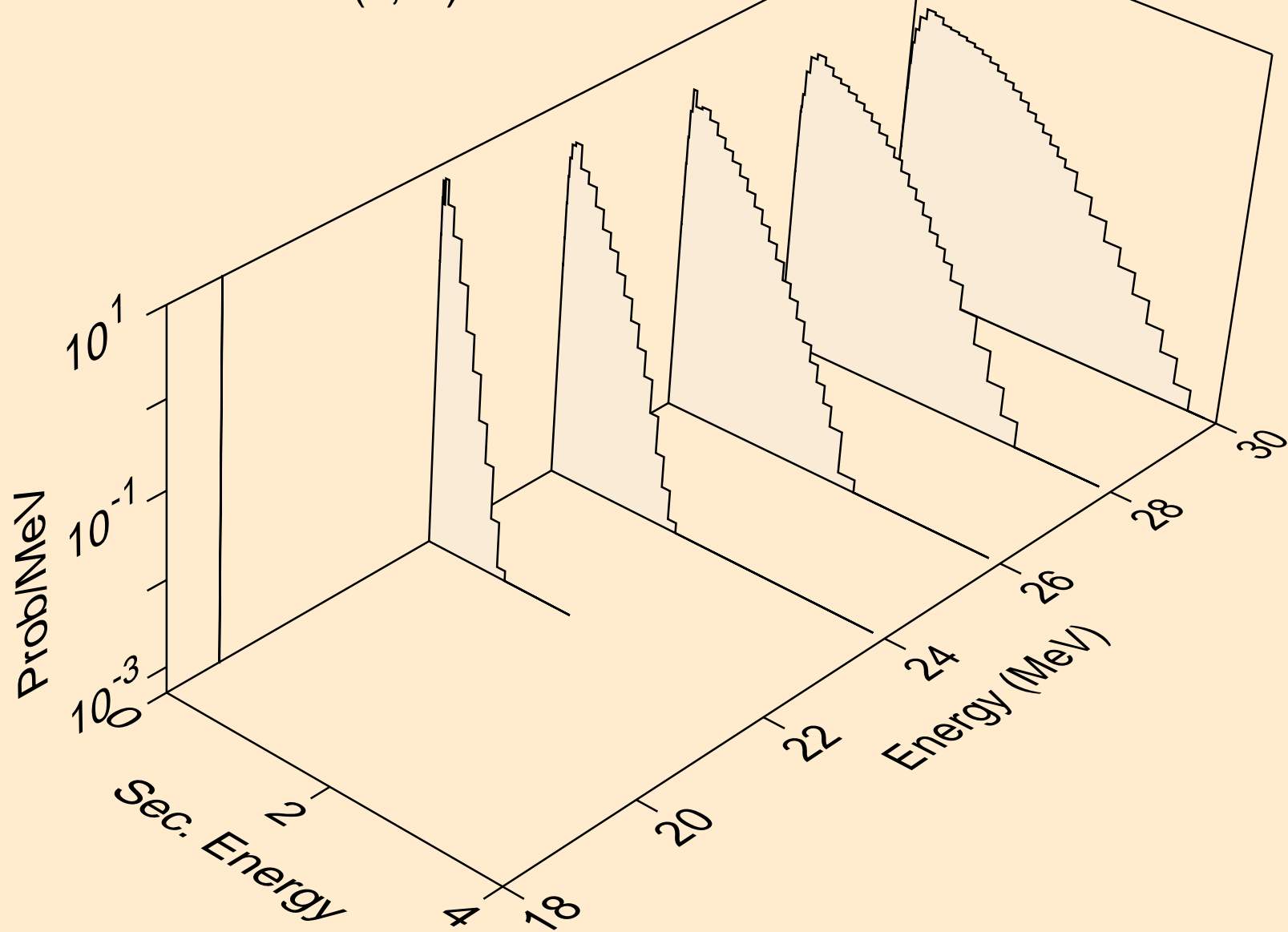
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)2a



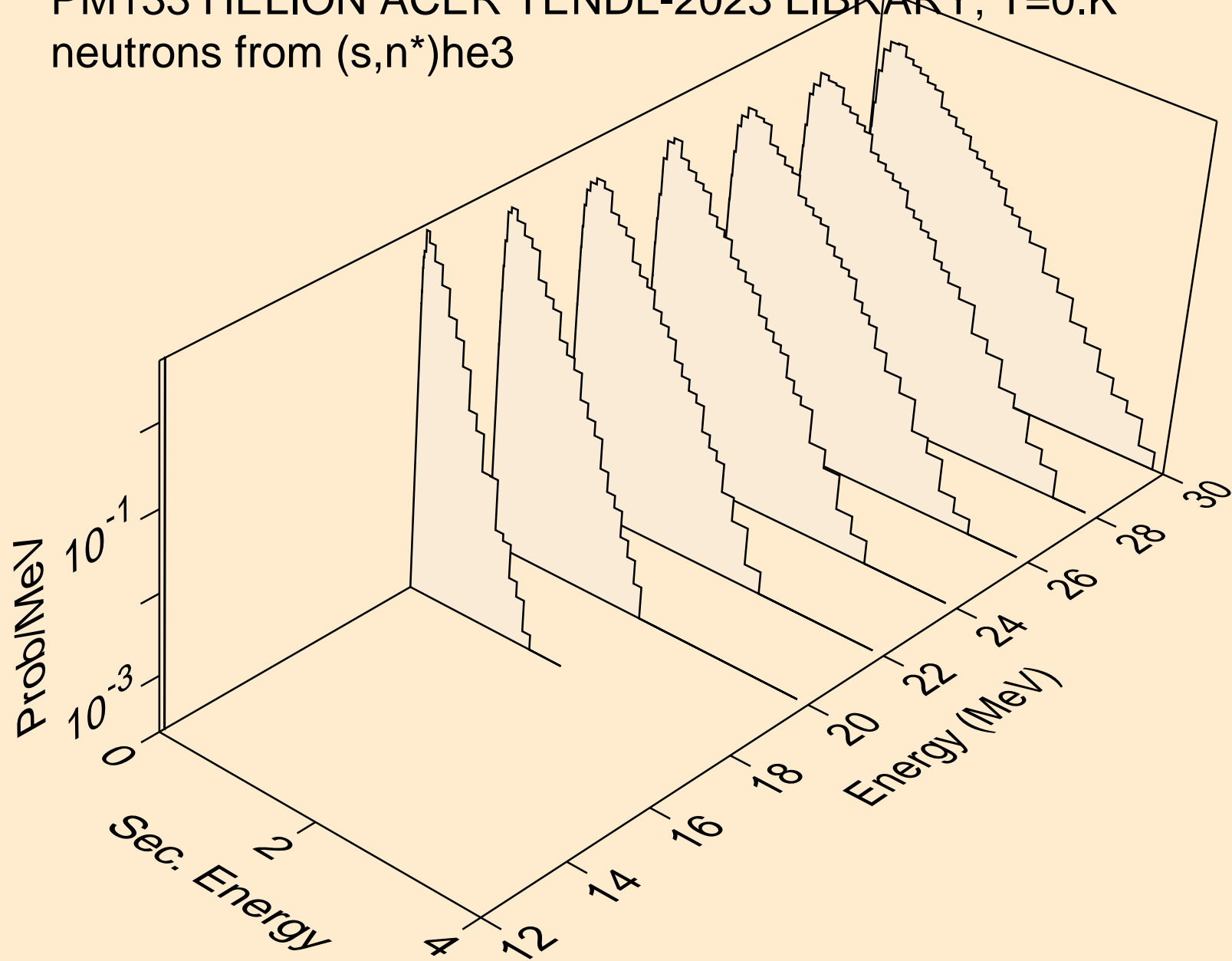
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)d



PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)t

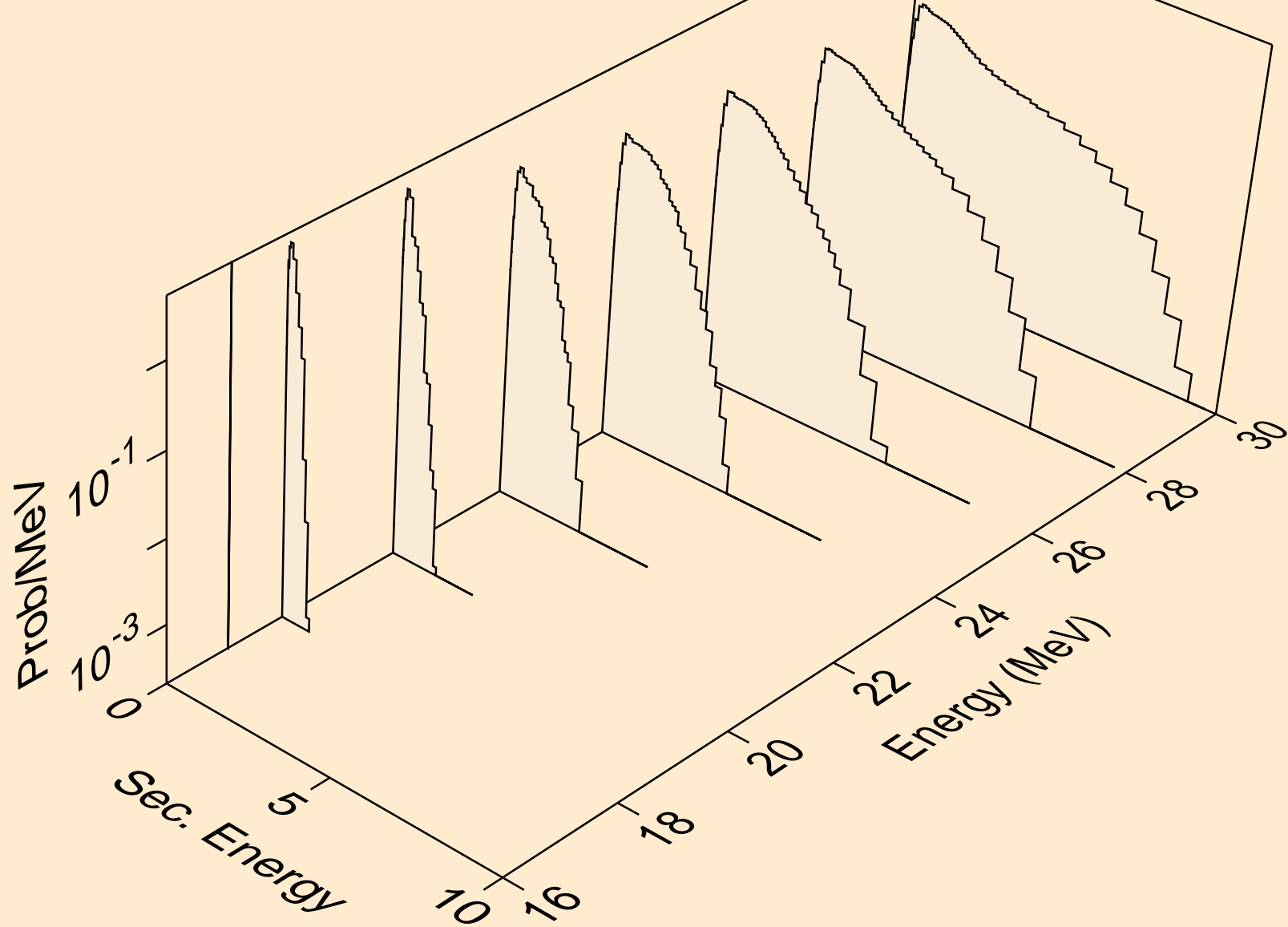


PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)he3

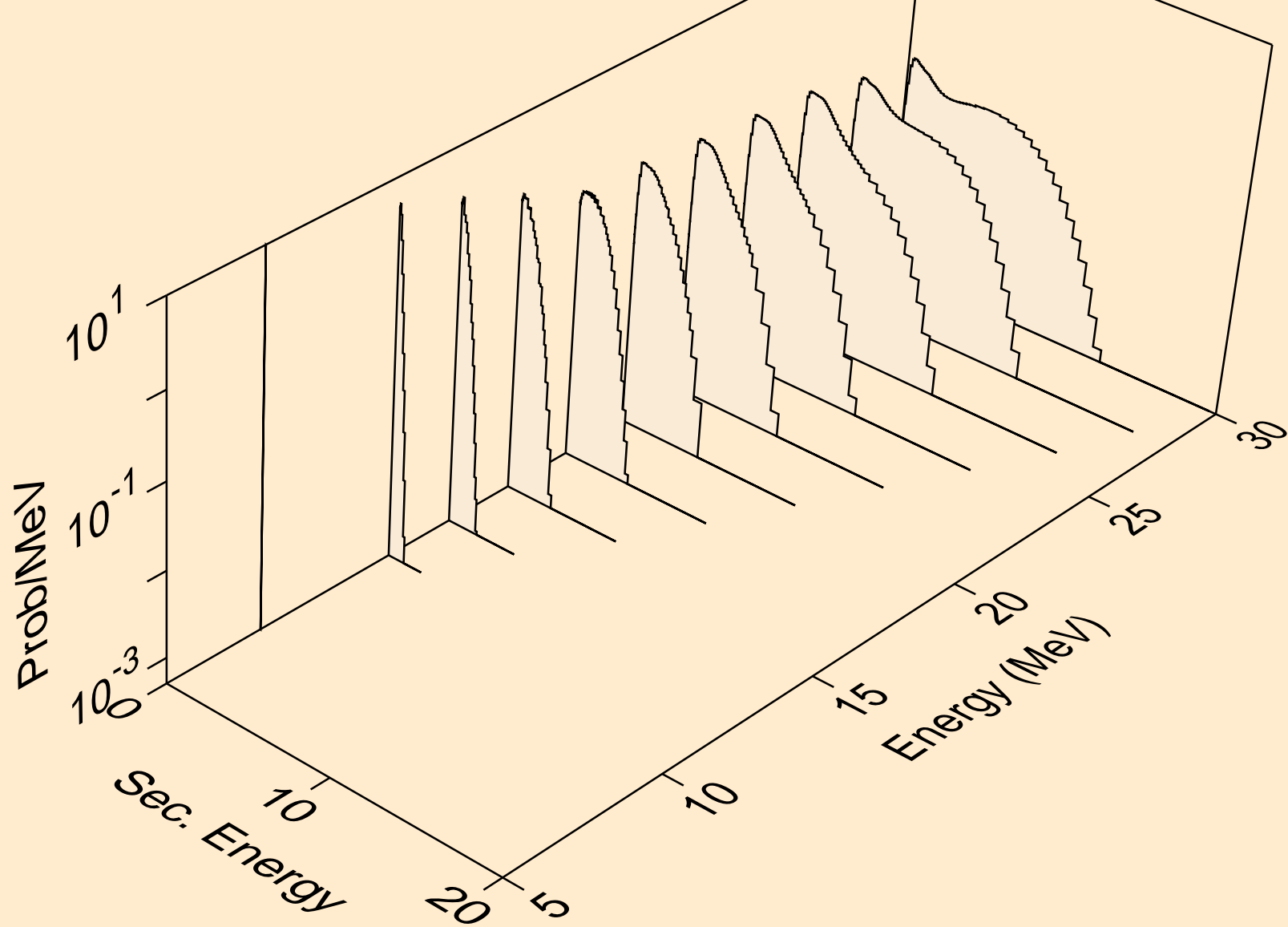




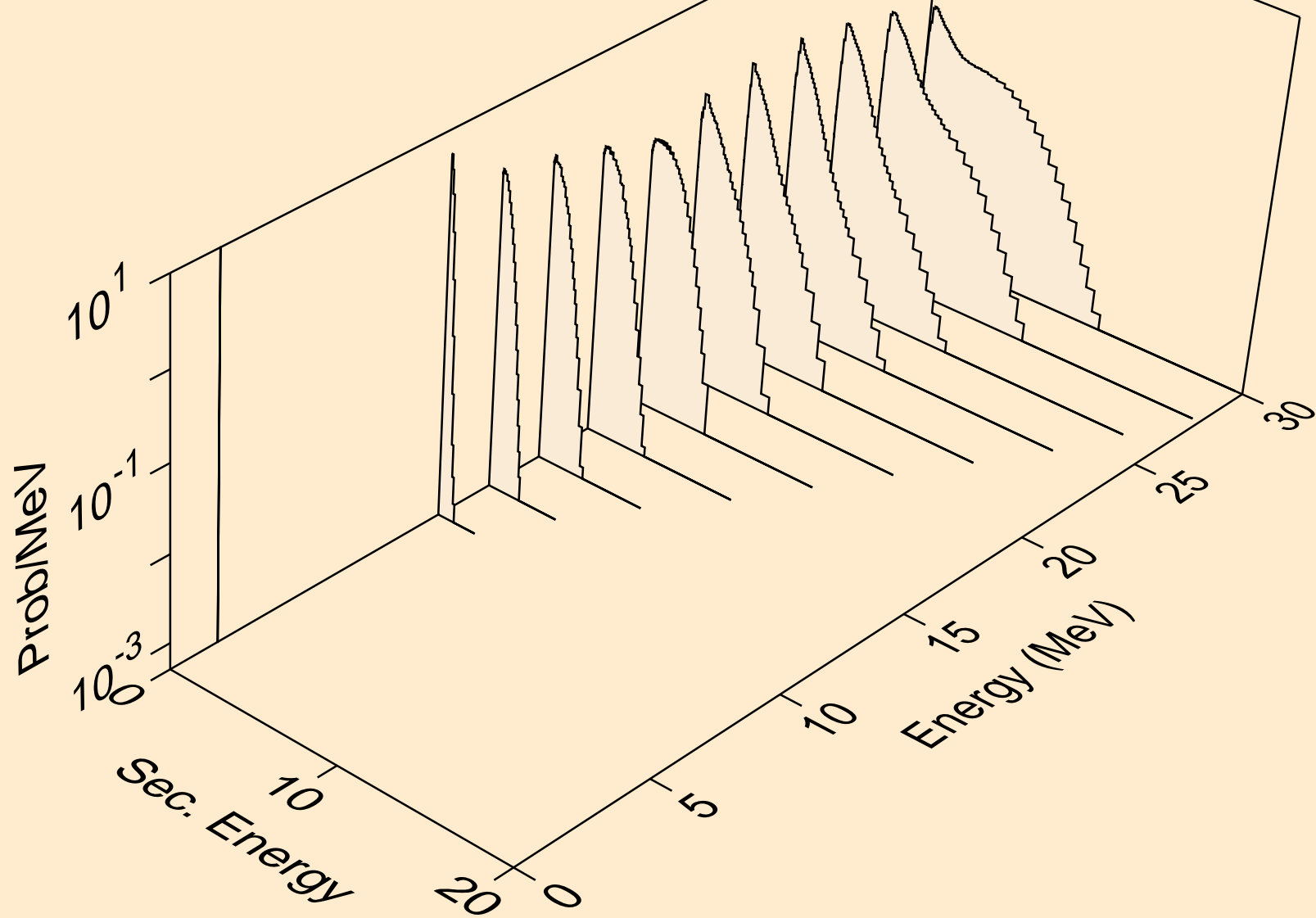
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2np)



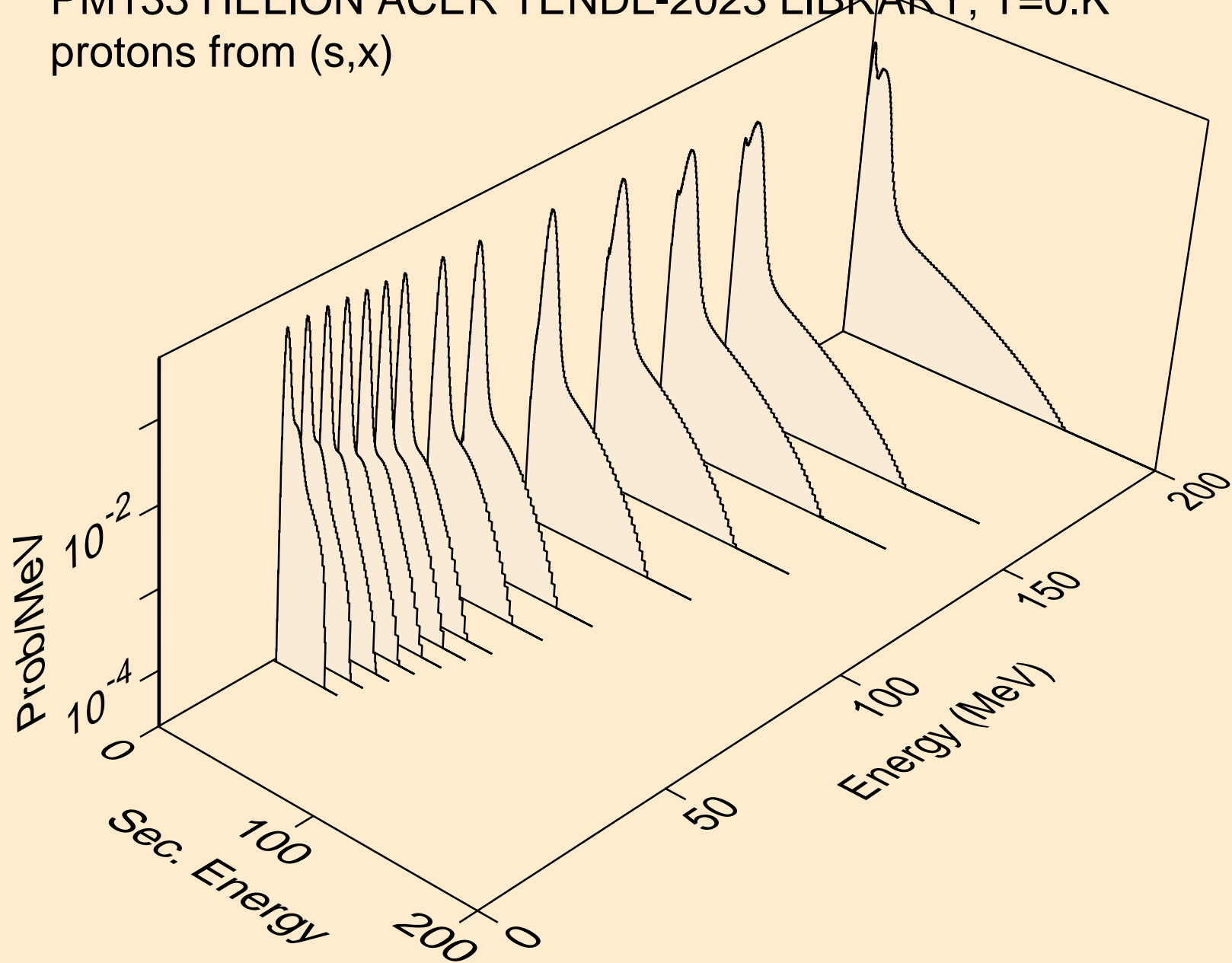
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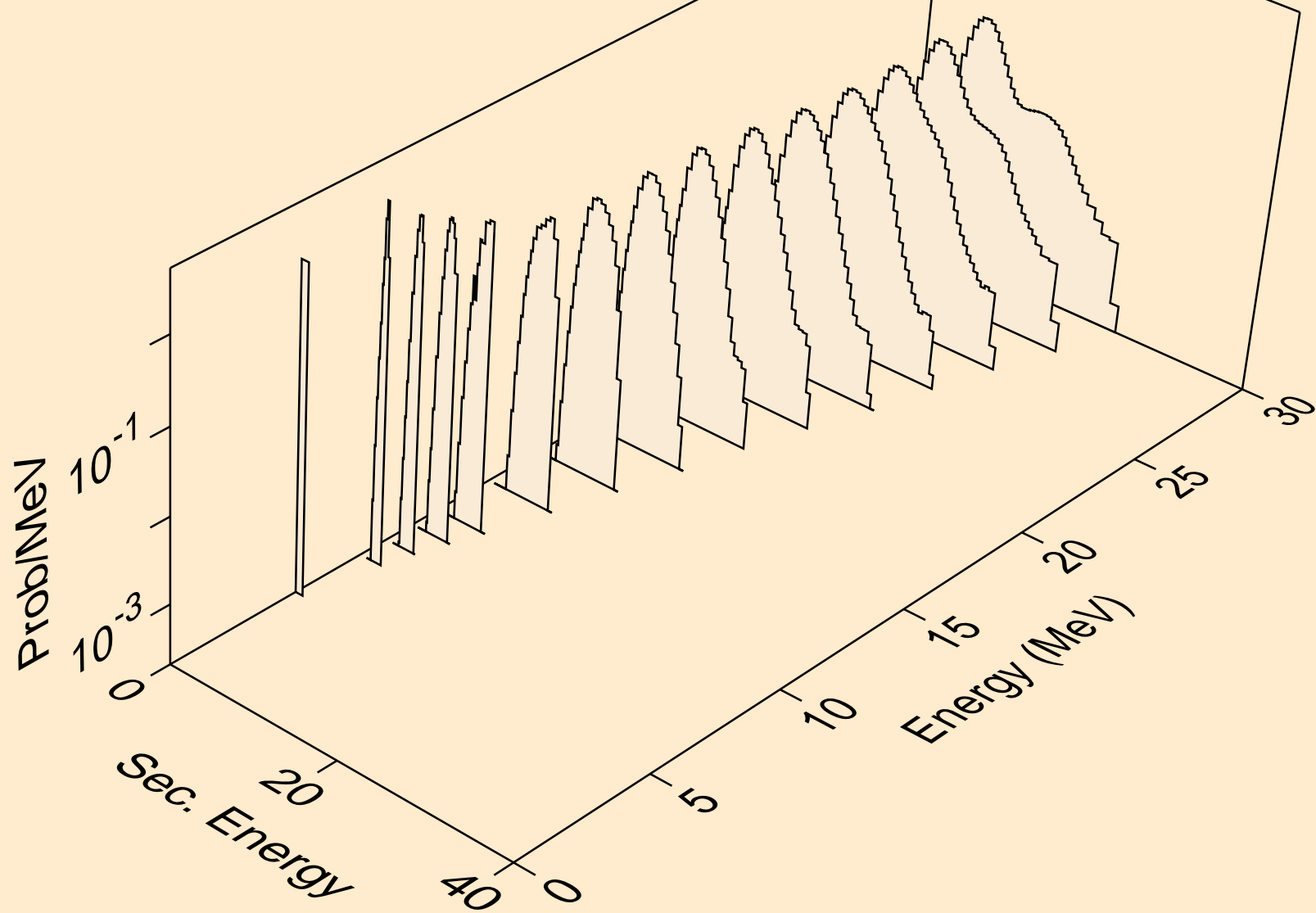
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neutrons from (s,npa)



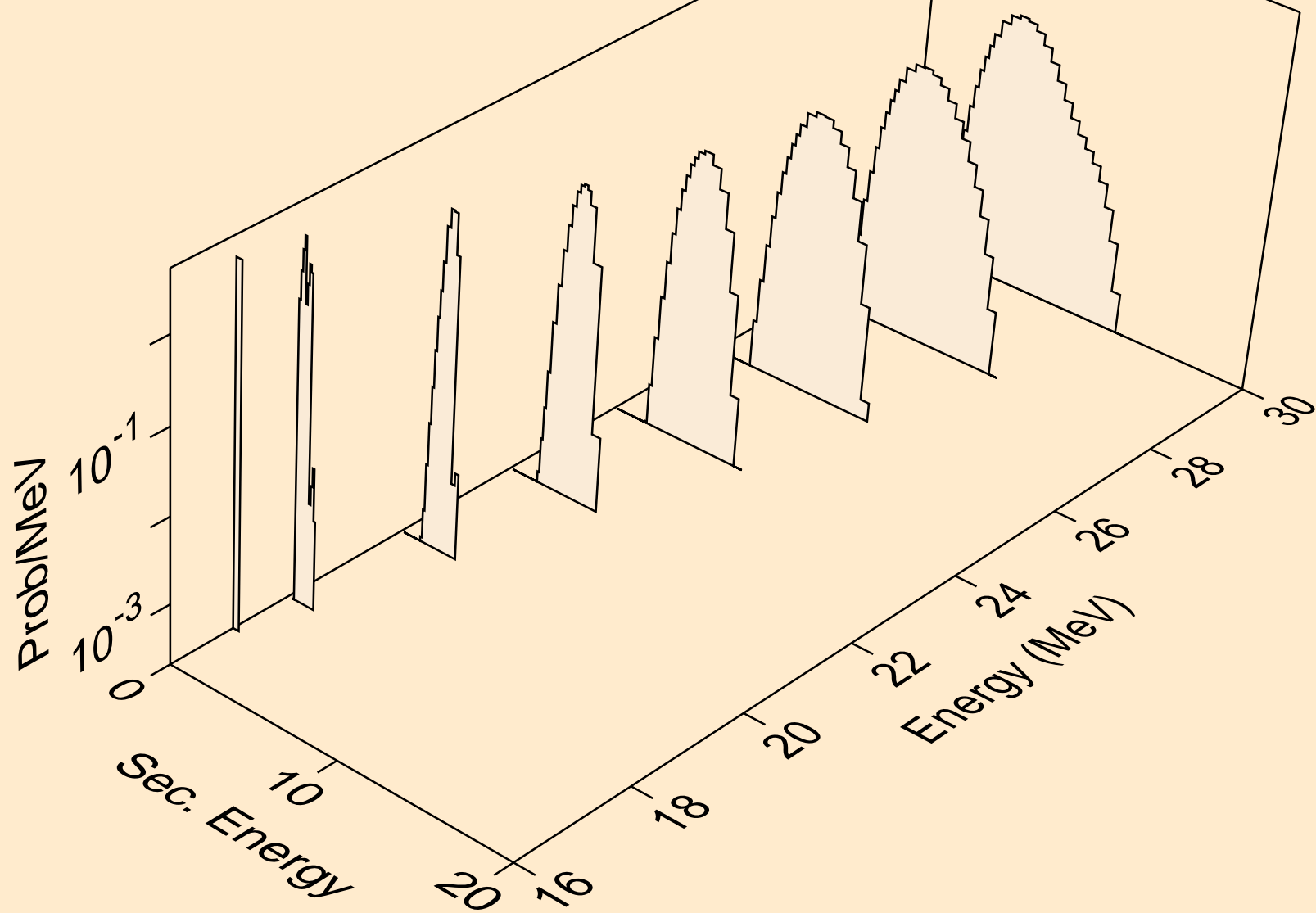
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protons from (s,x)



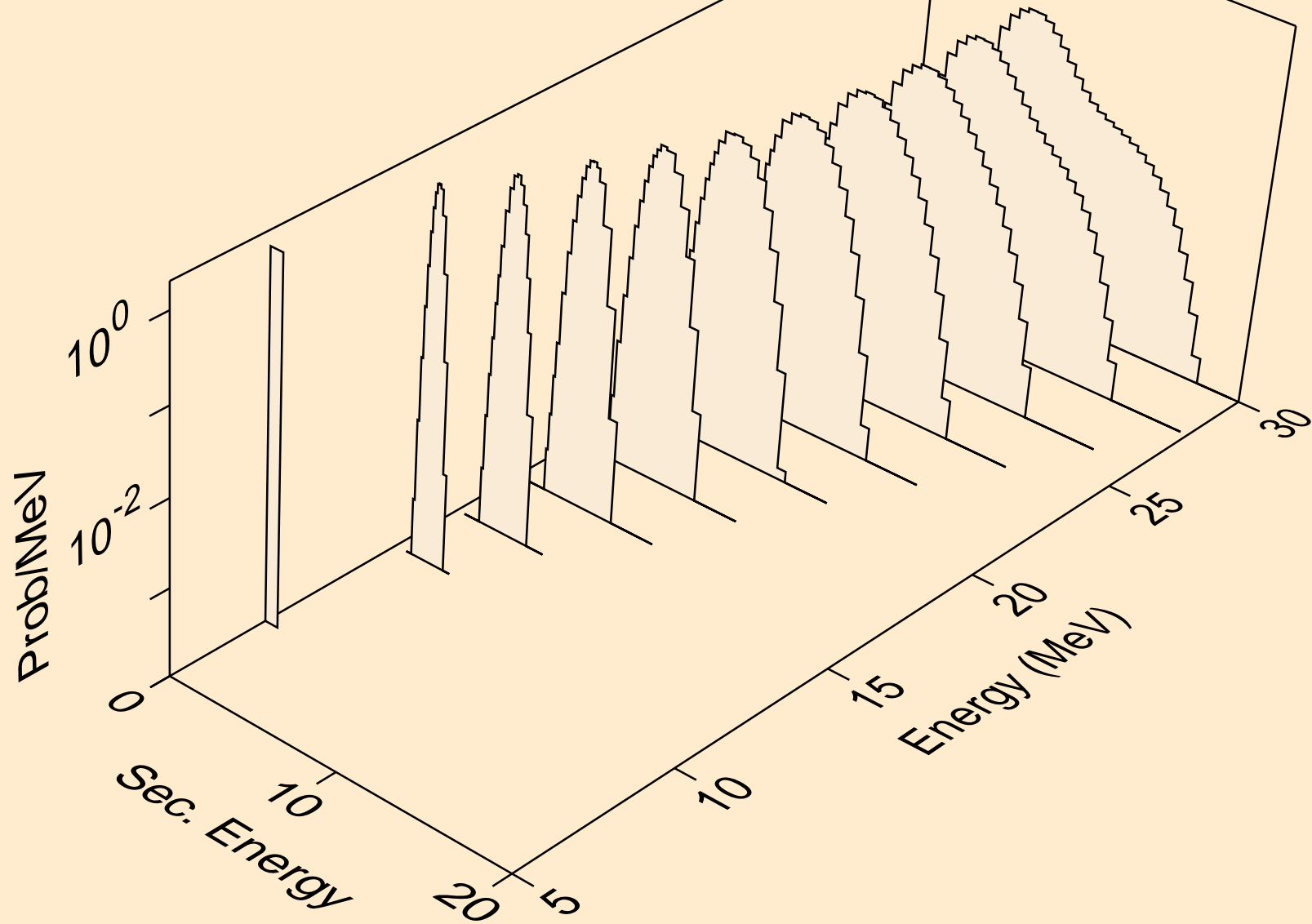
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protons from (s,n\*)p



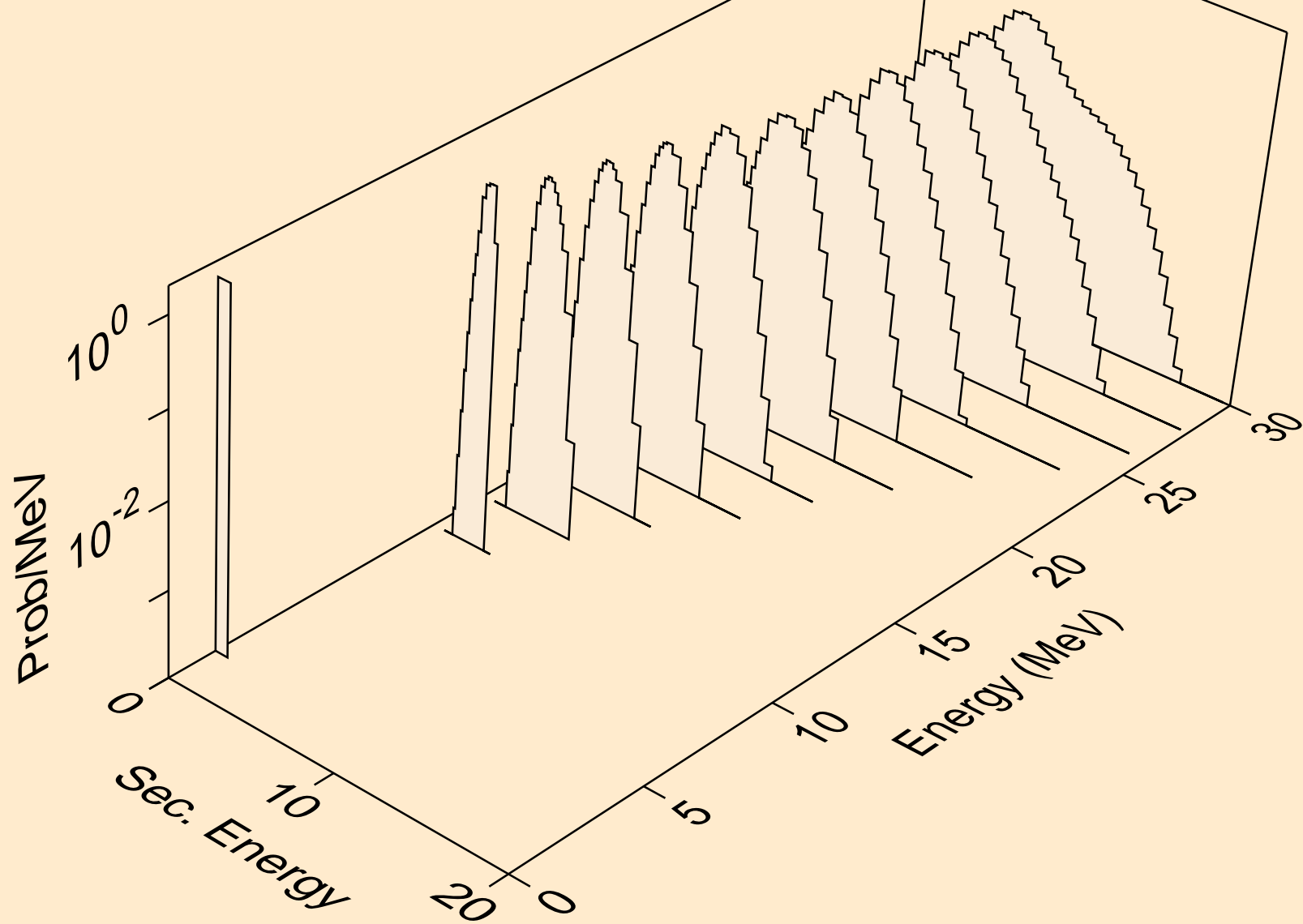
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,2np)



PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,n2p)

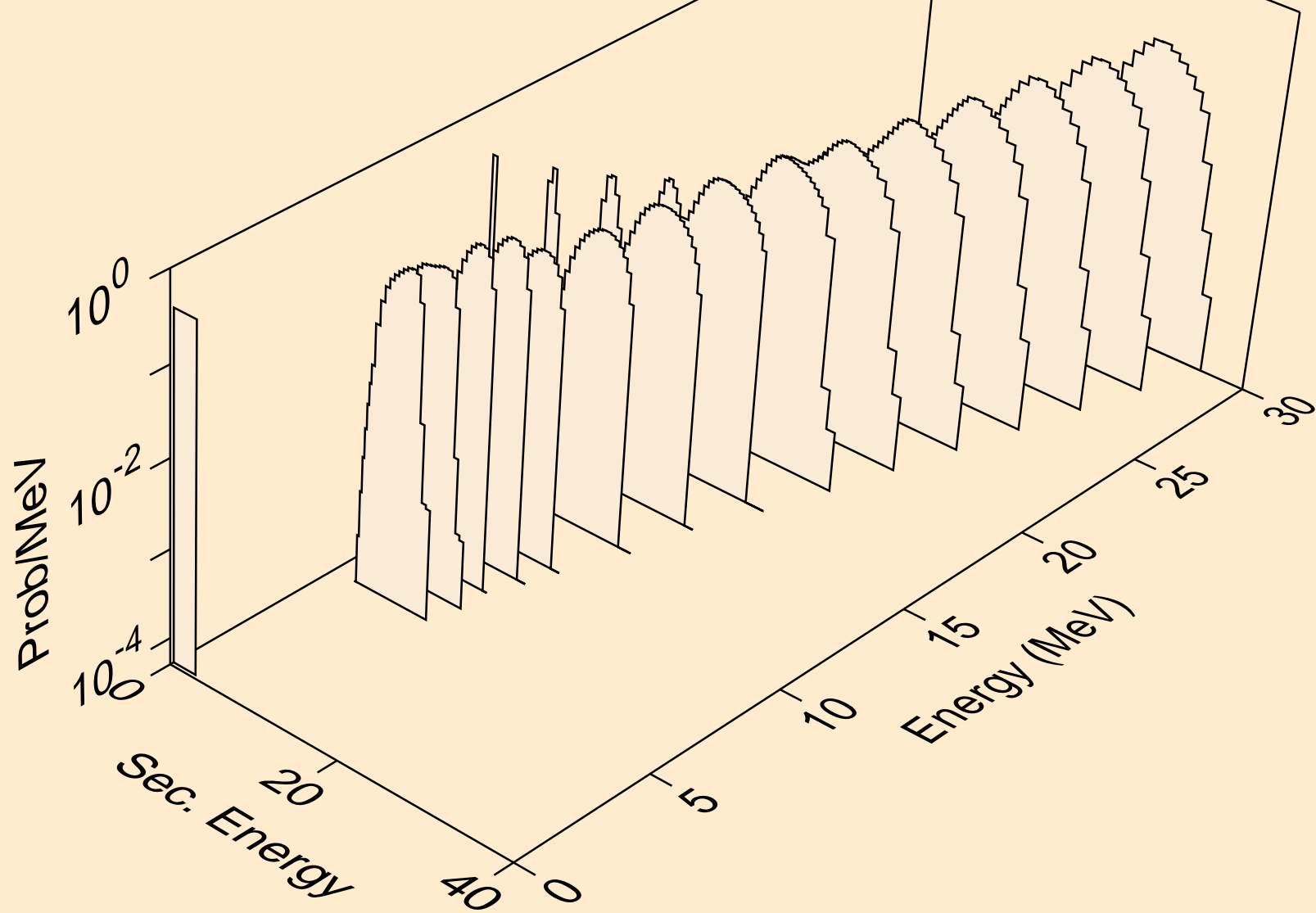


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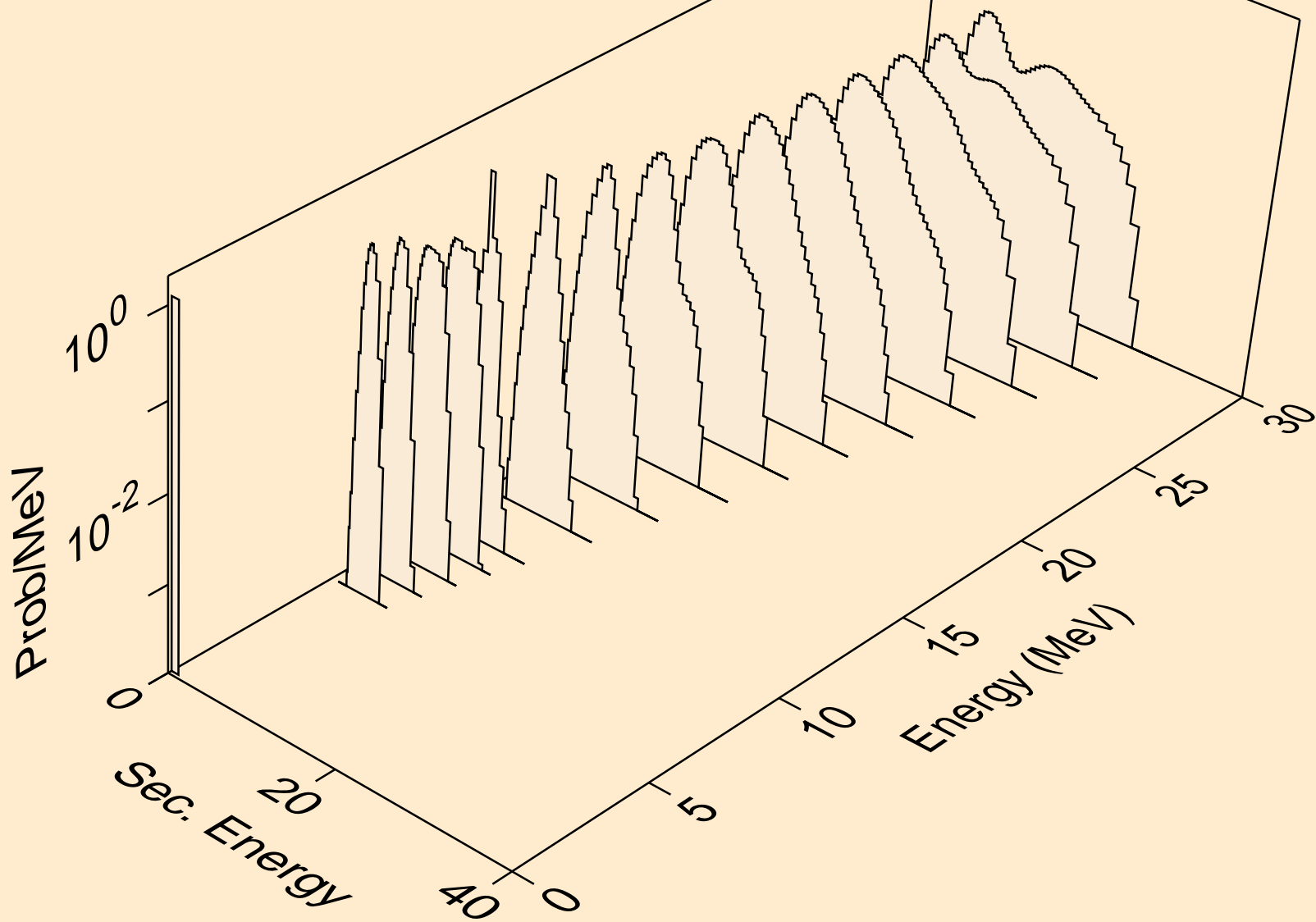




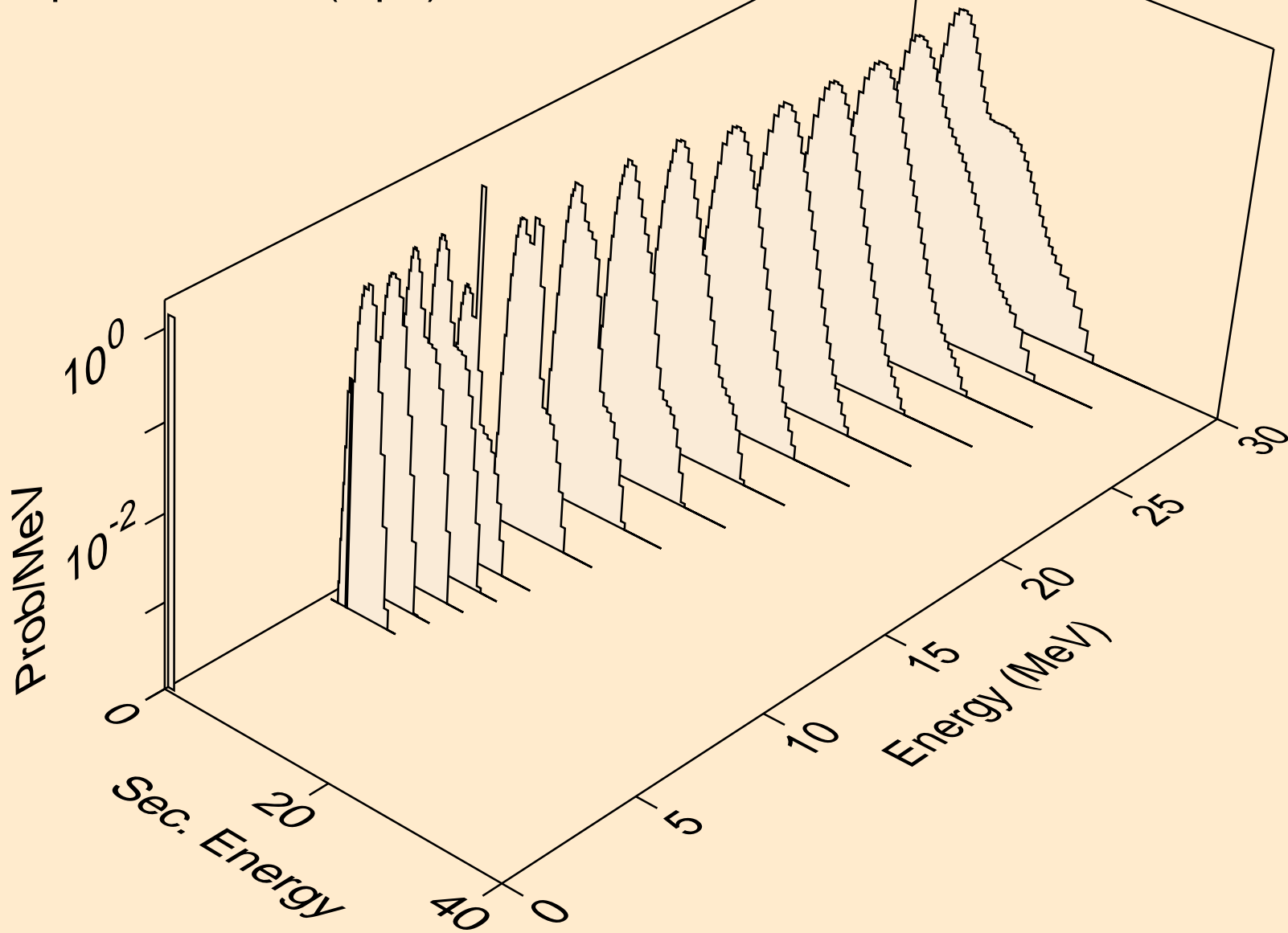
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protons from (s,p)



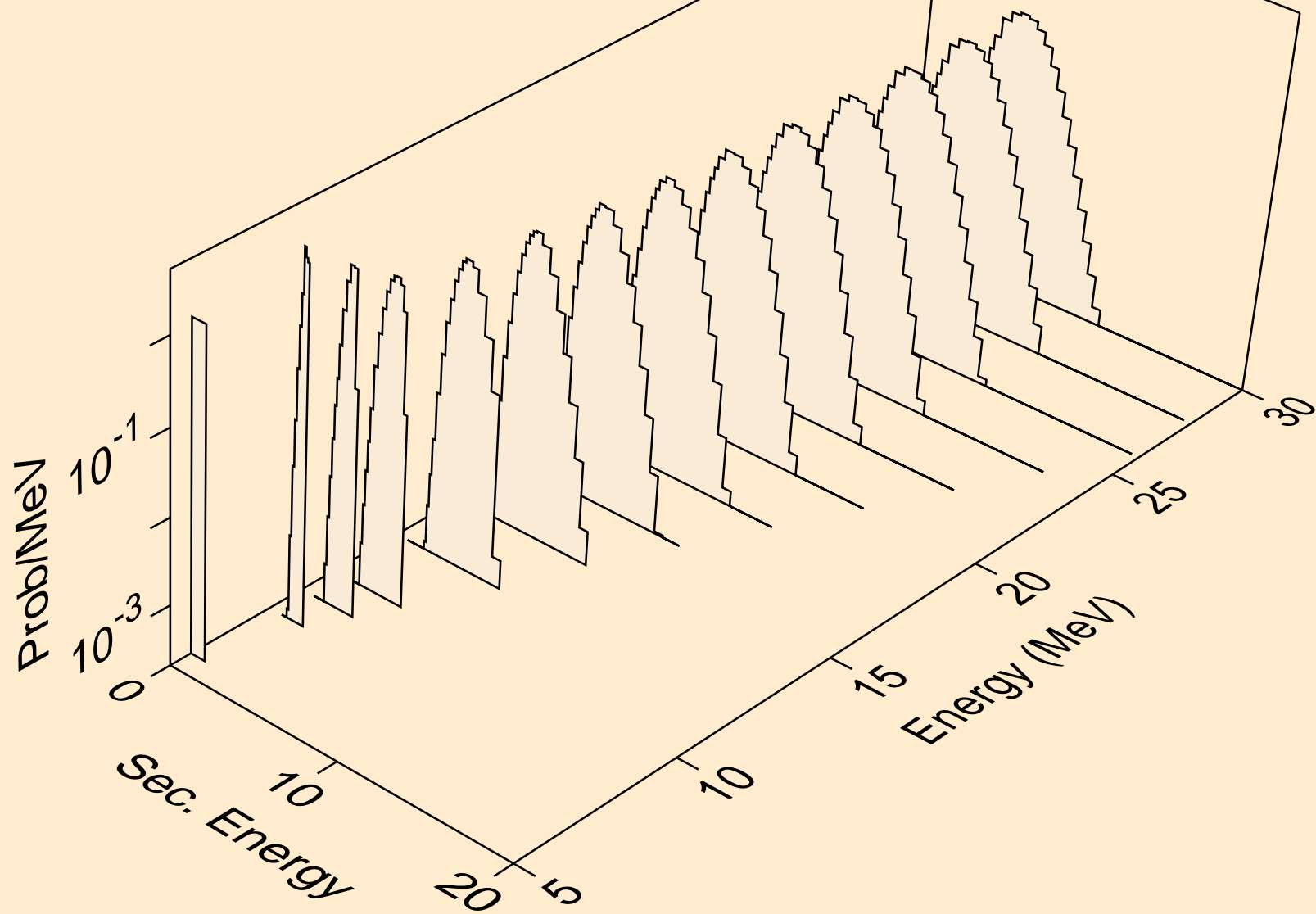
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protons from (s,2p)



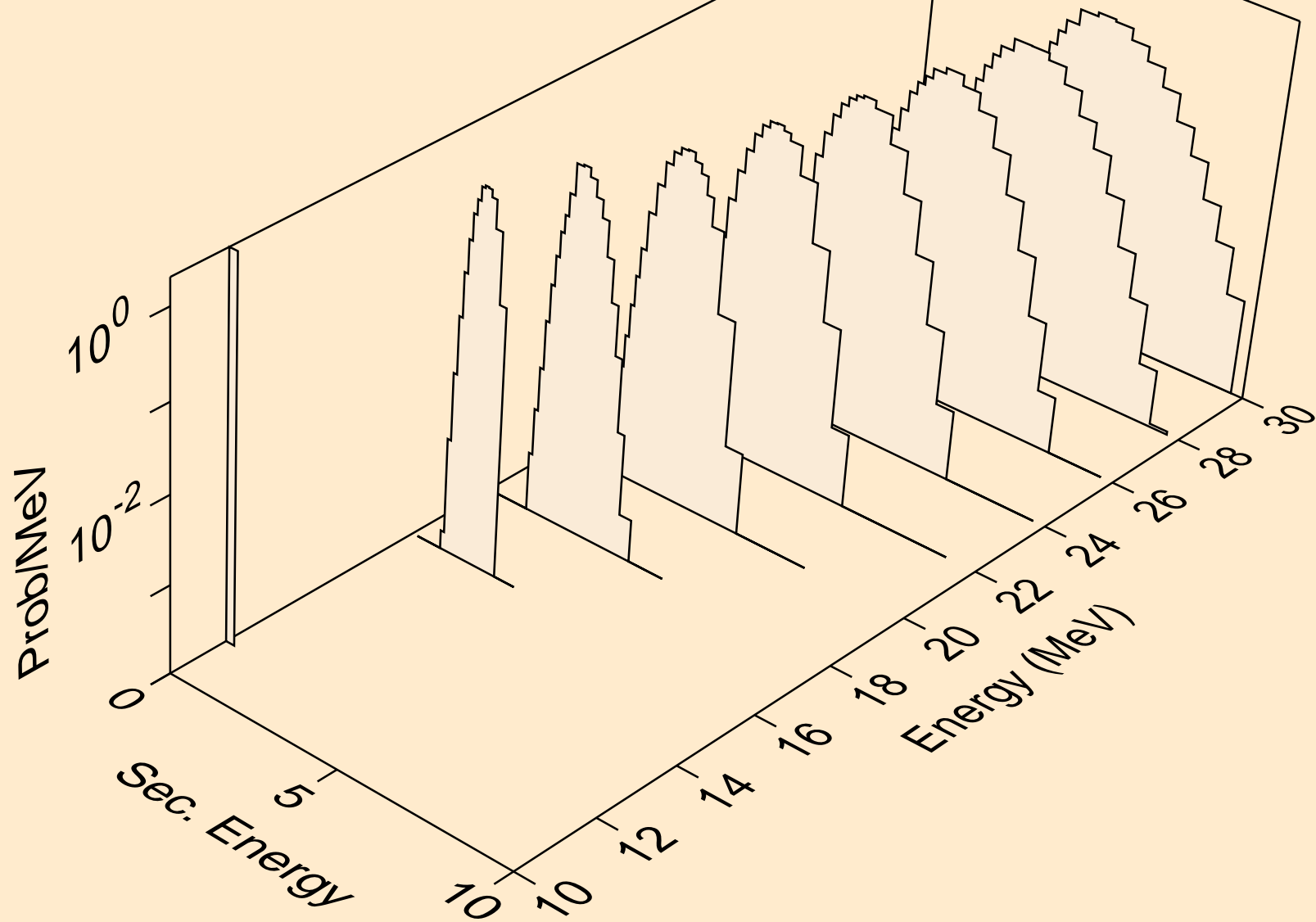
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pa)



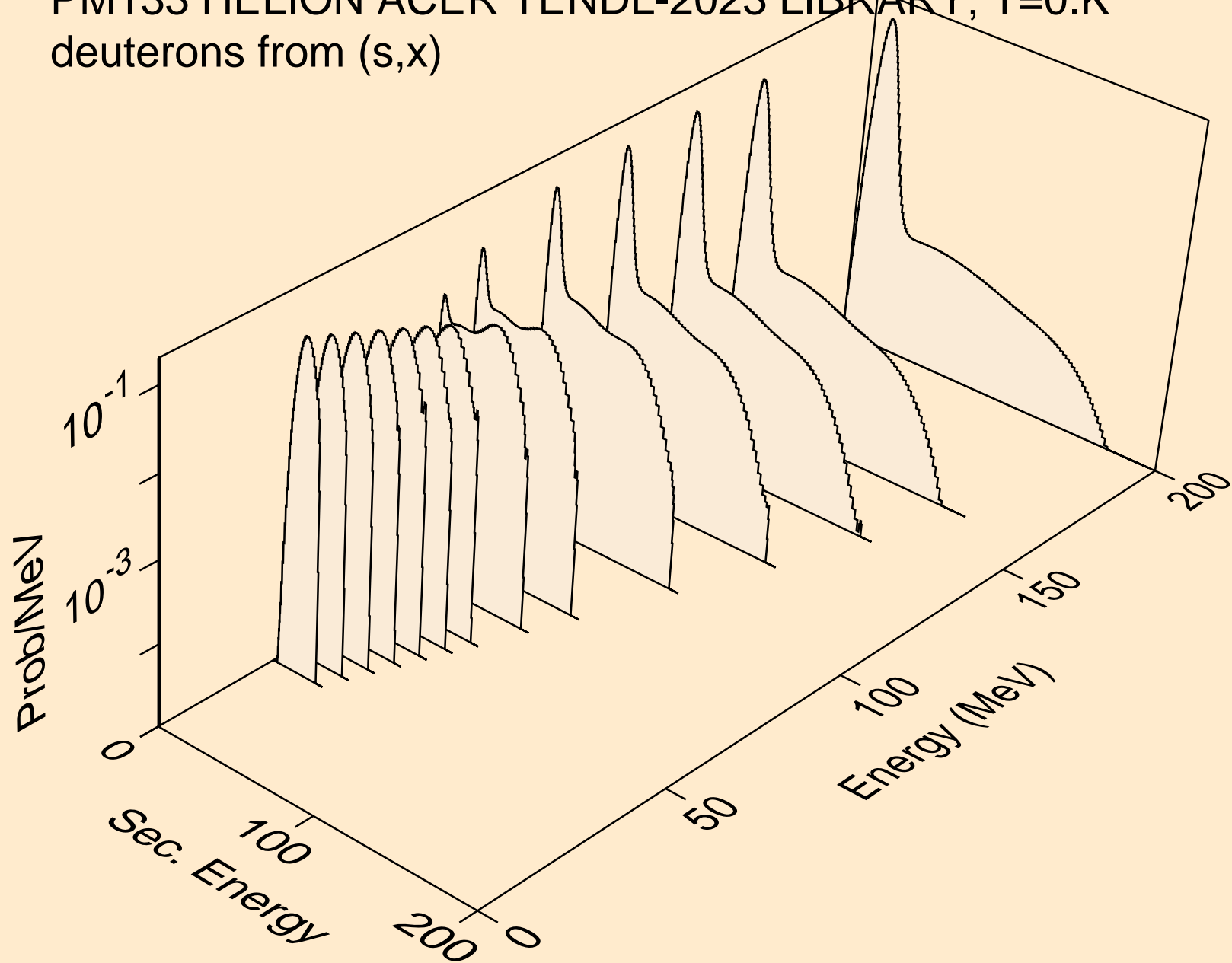
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protons from (s,pd)



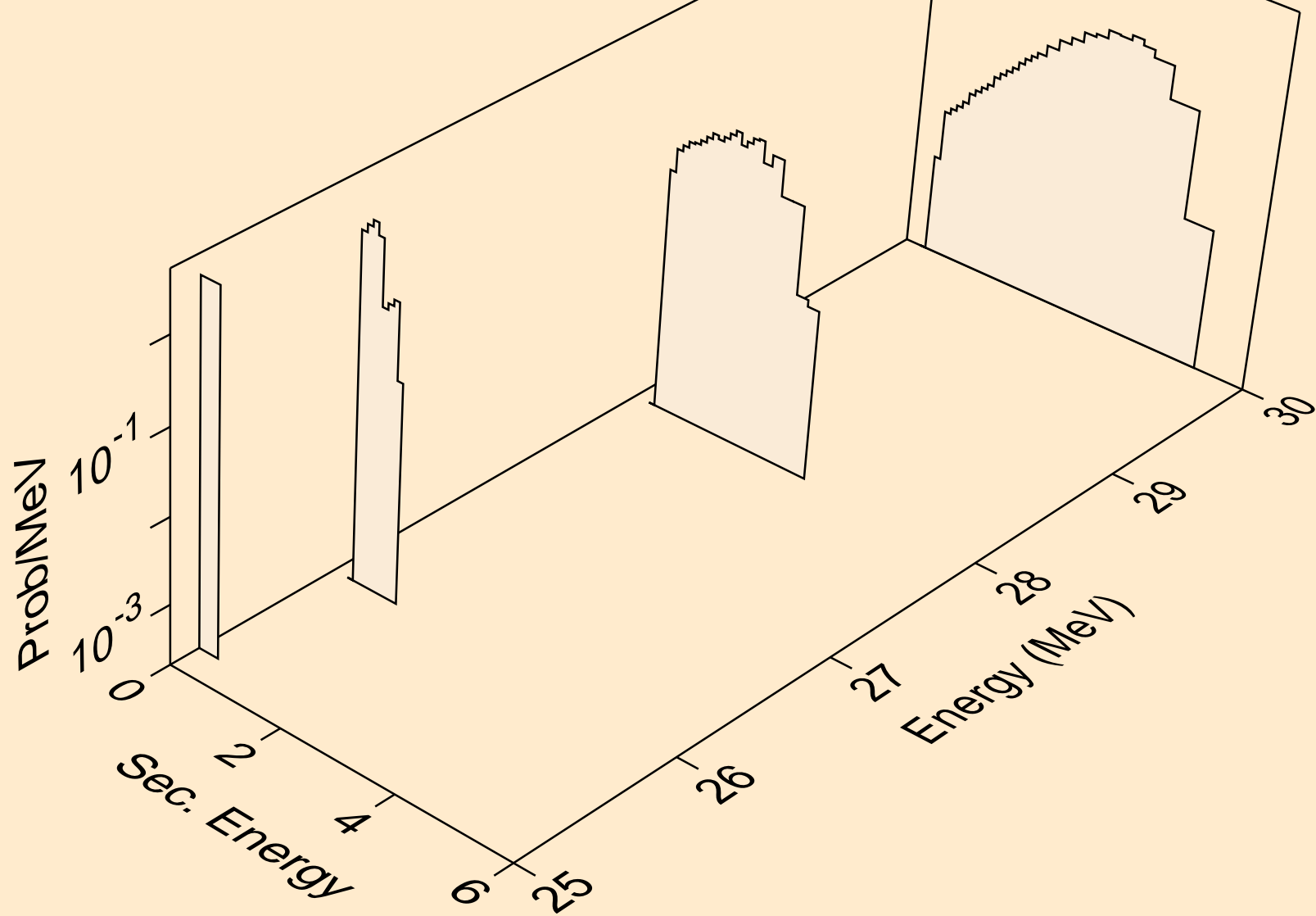
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pt)



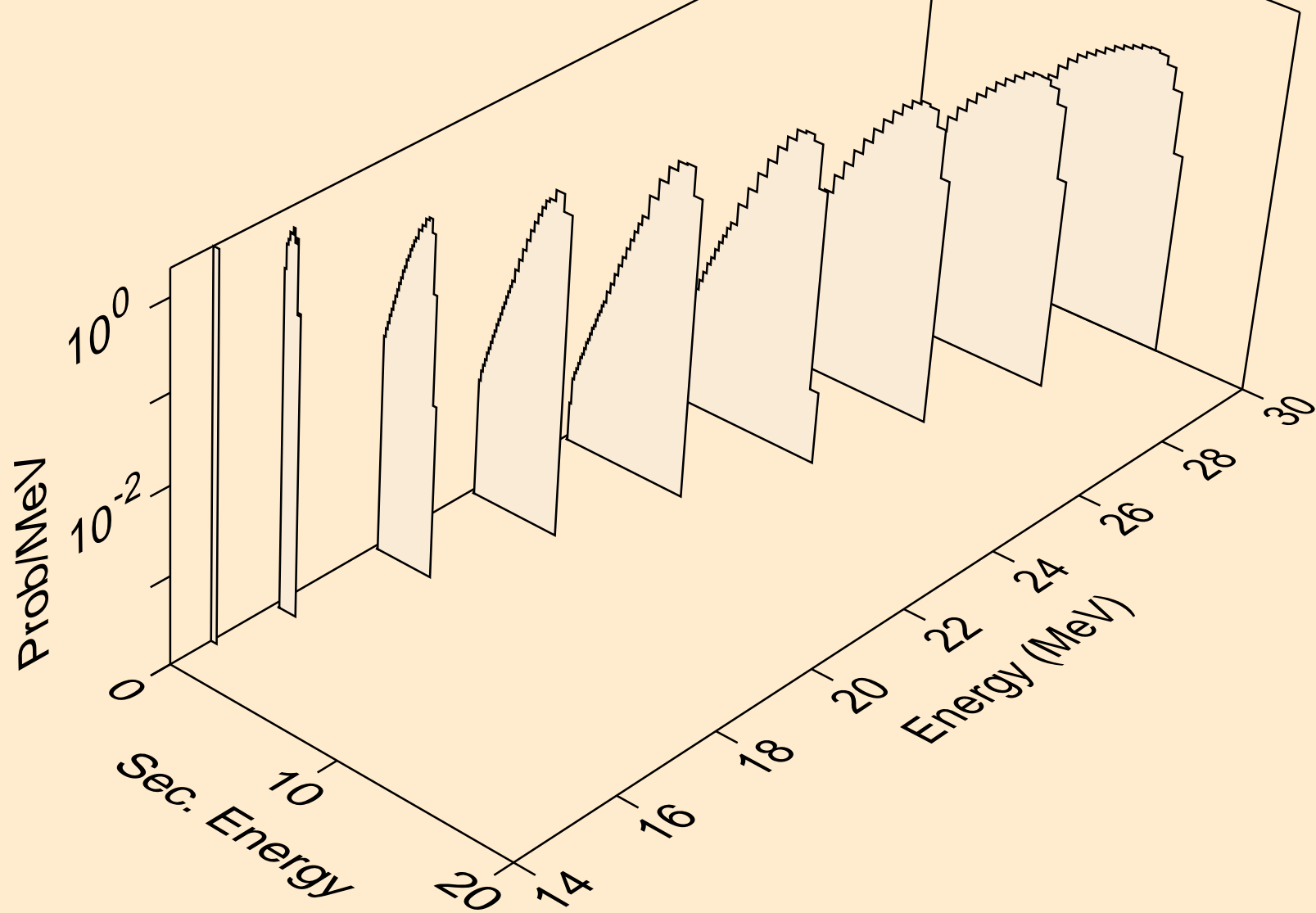
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,x)



PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,2nd)

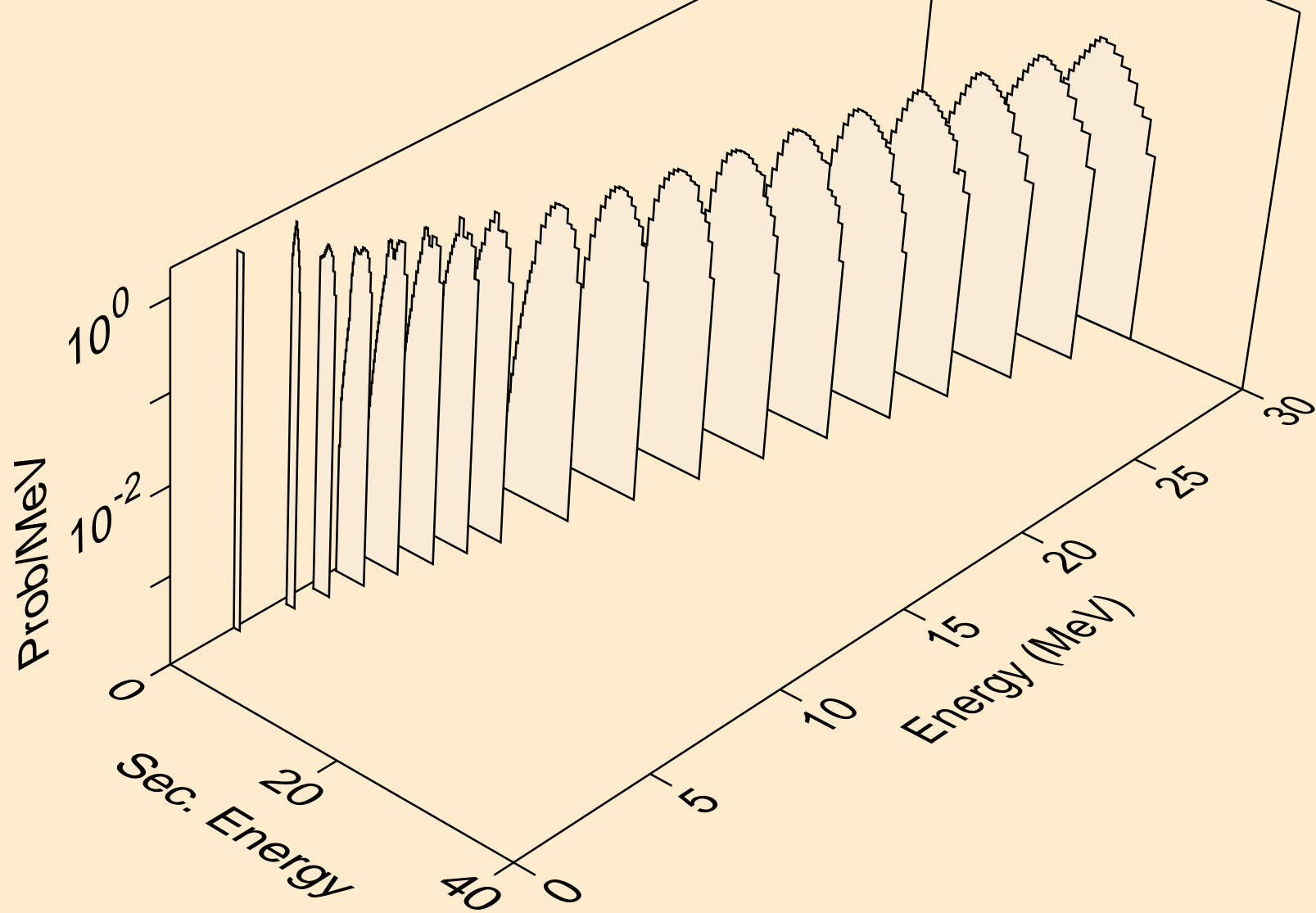


PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,n\*)d

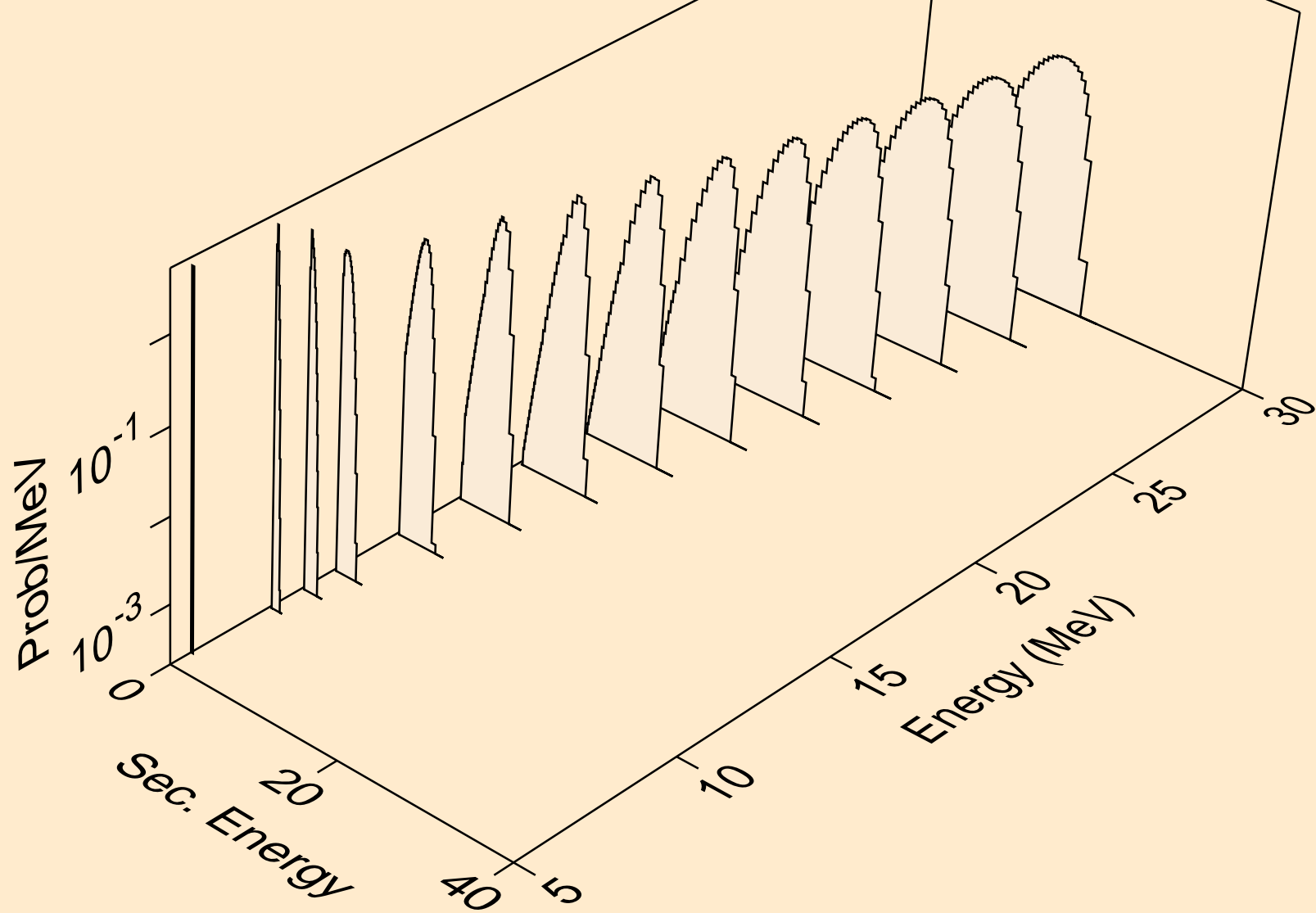




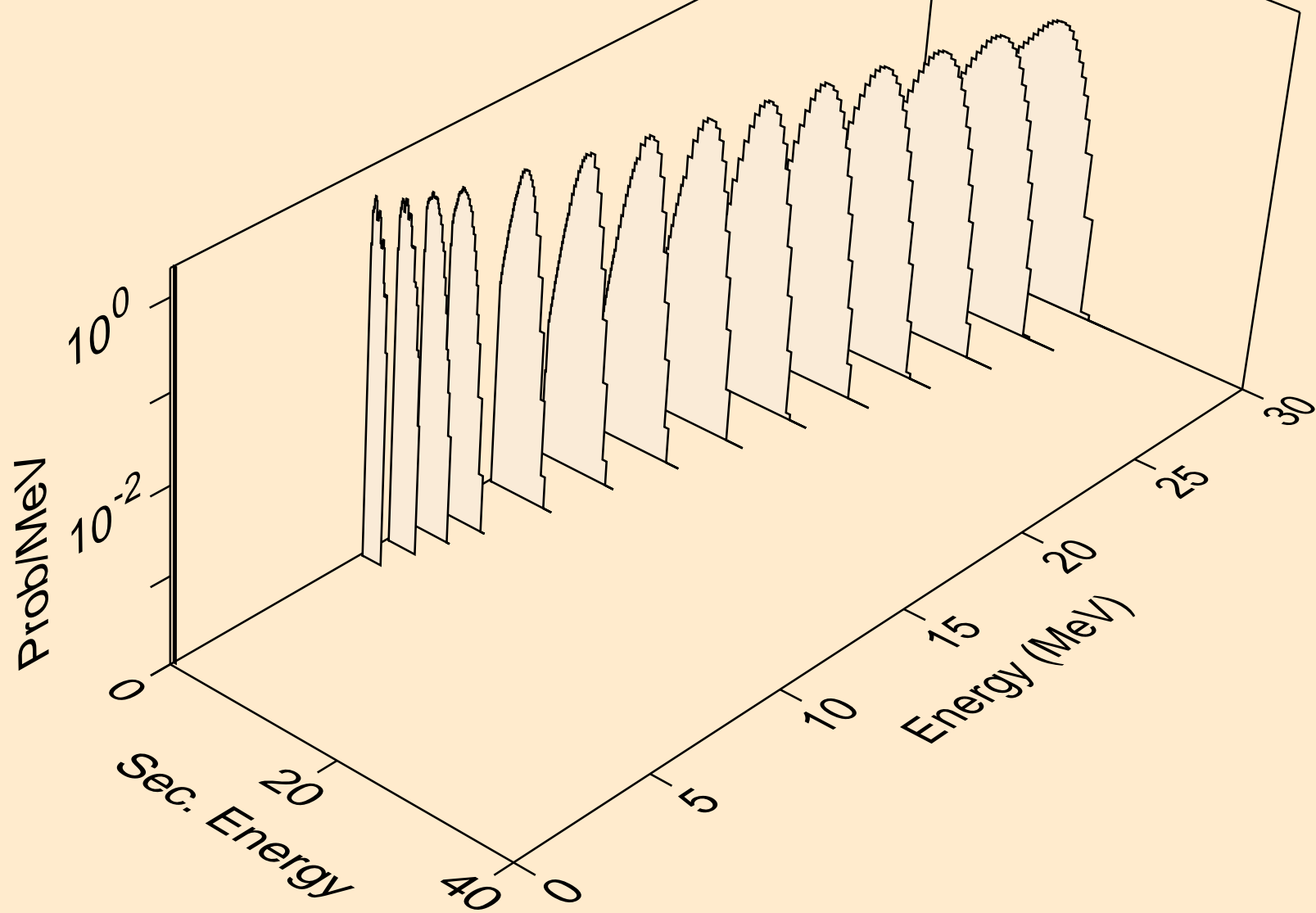
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,d)



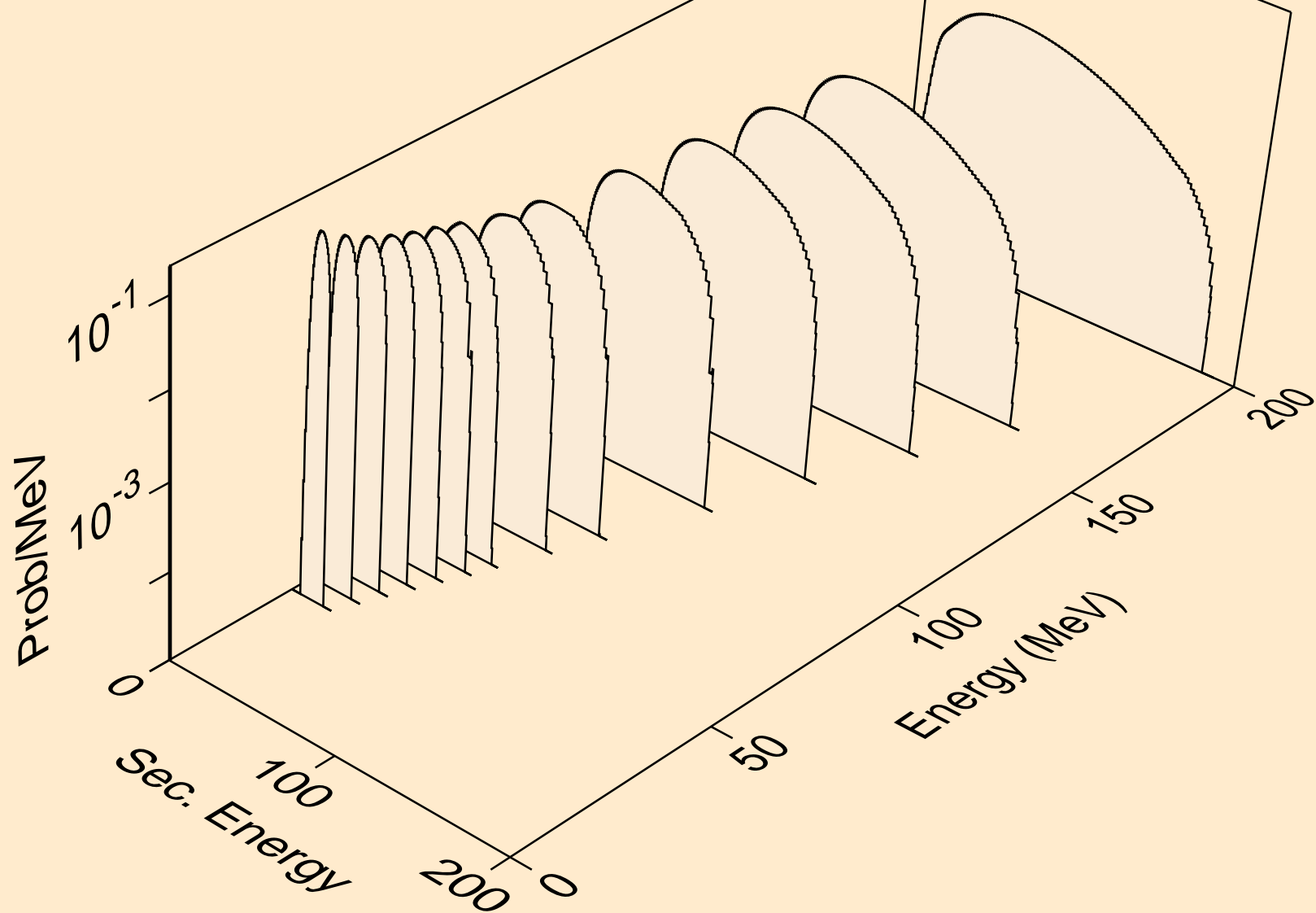
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,pd)



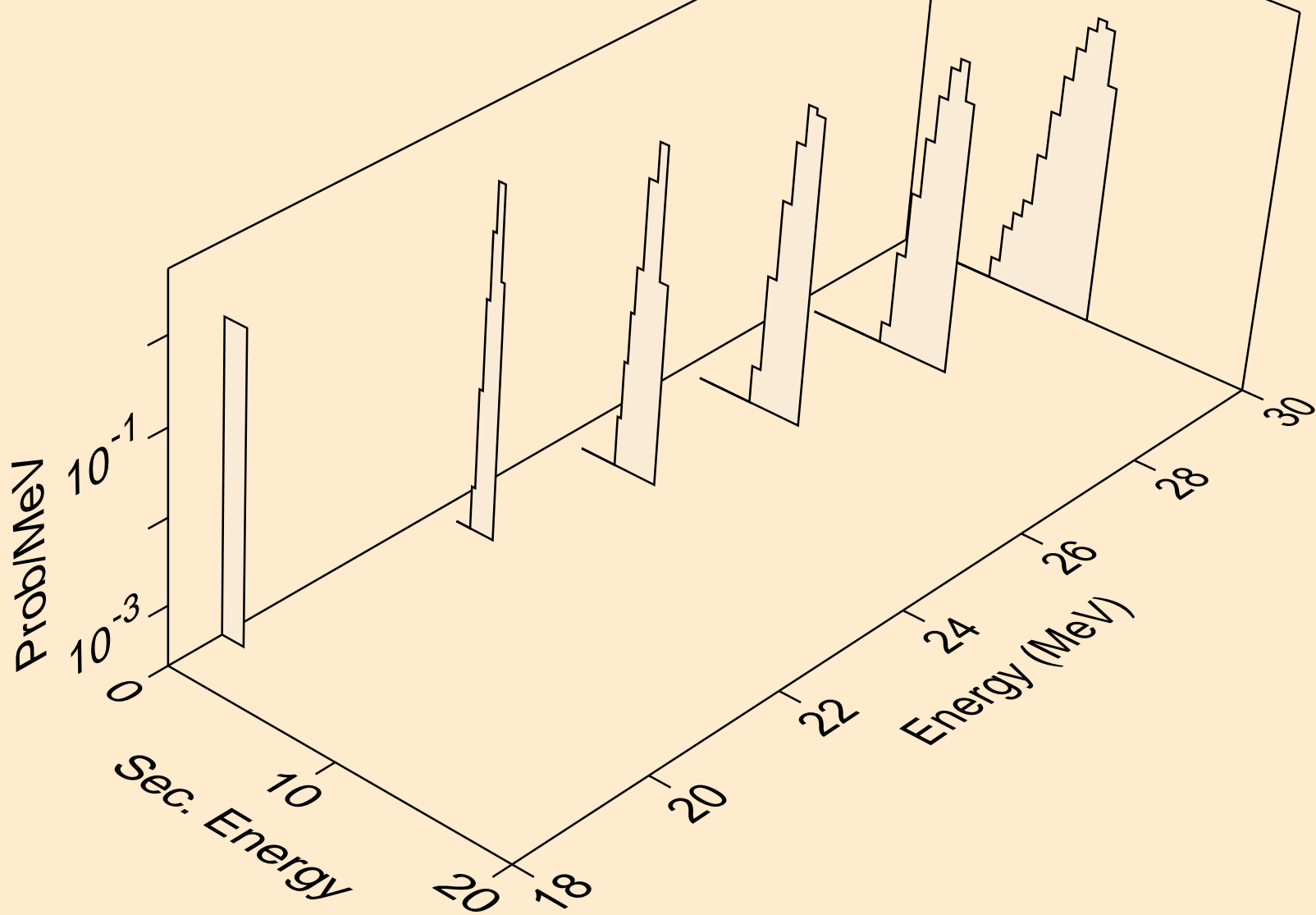
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,da)



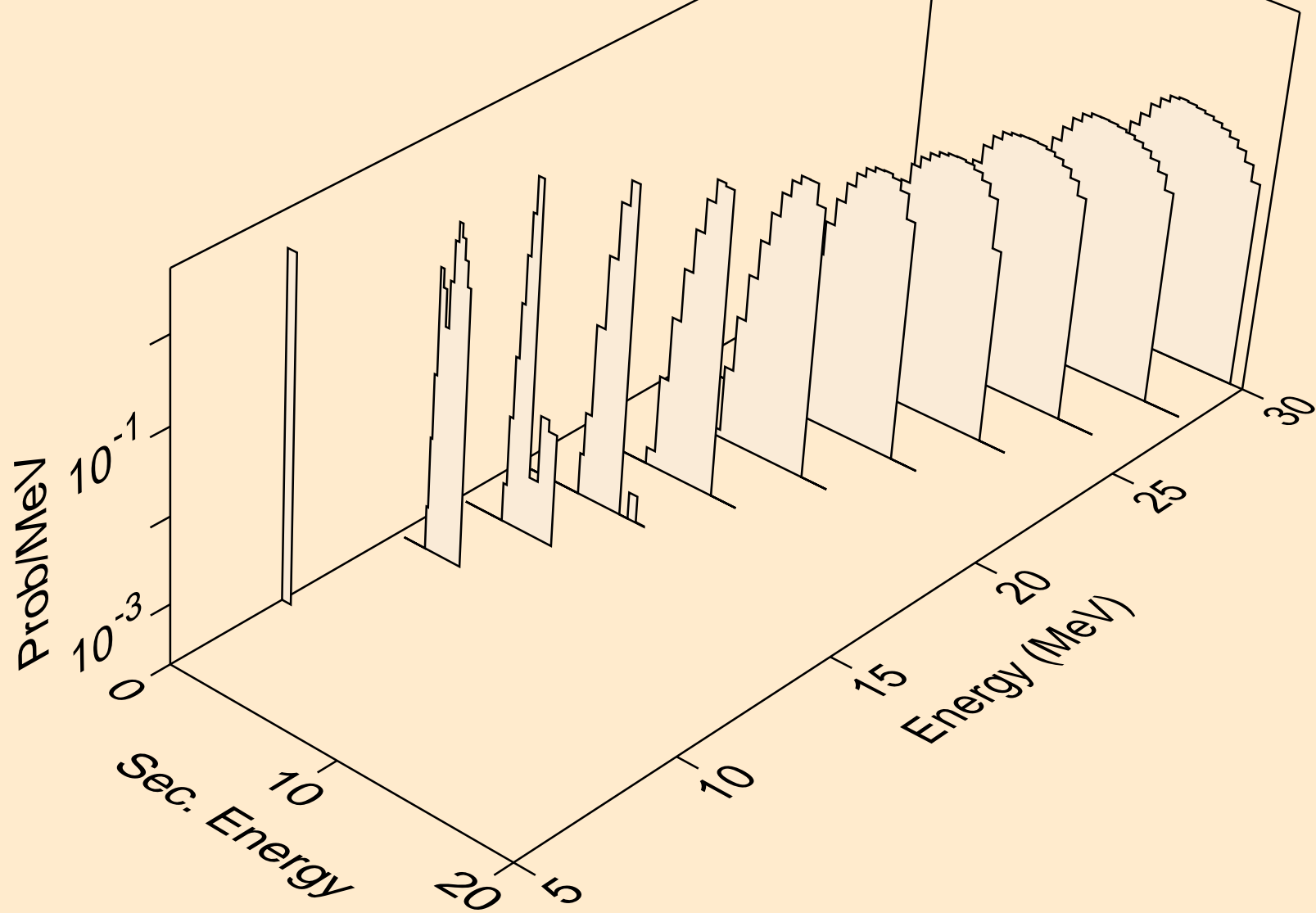
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,x)



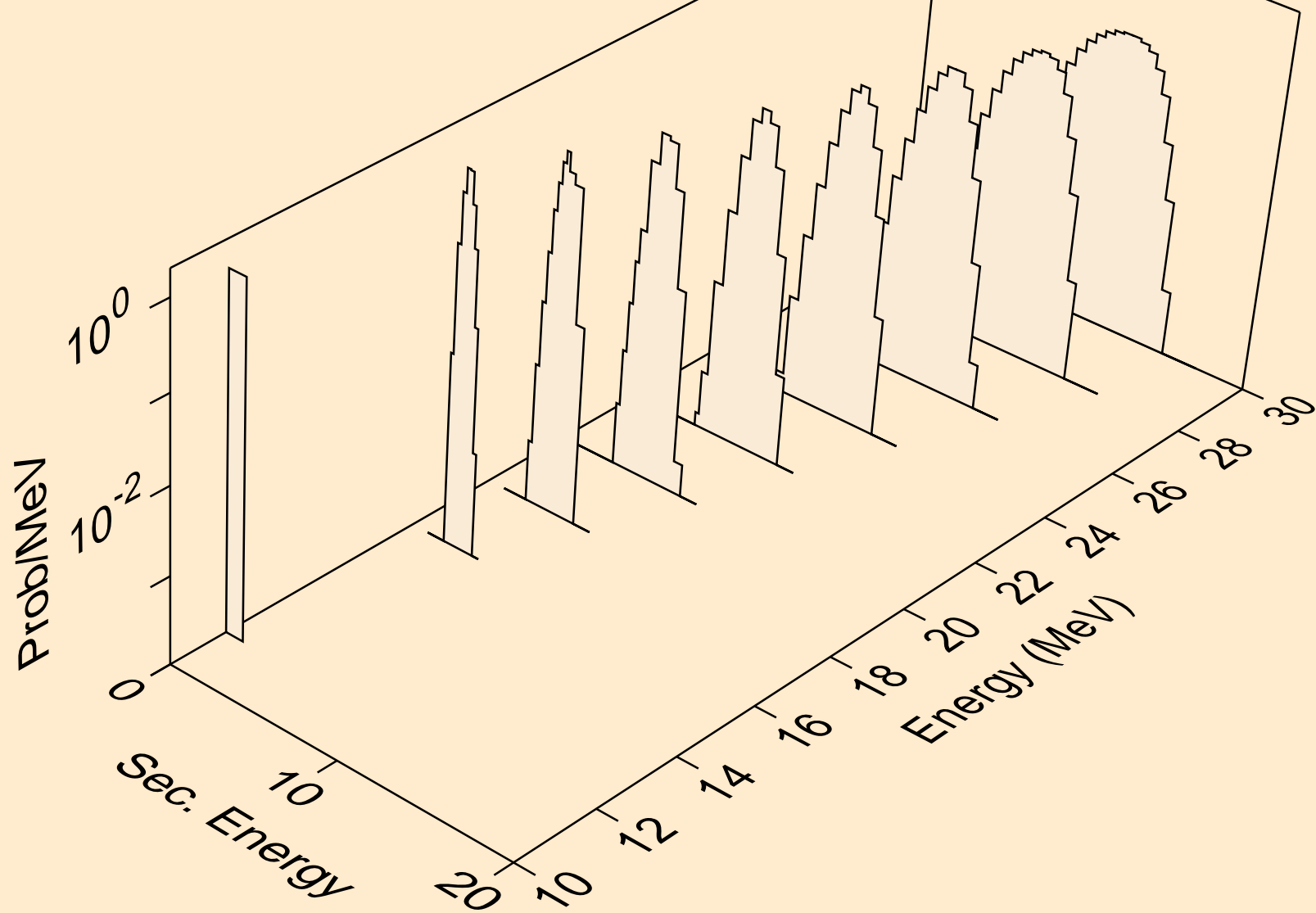
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,n\*)t



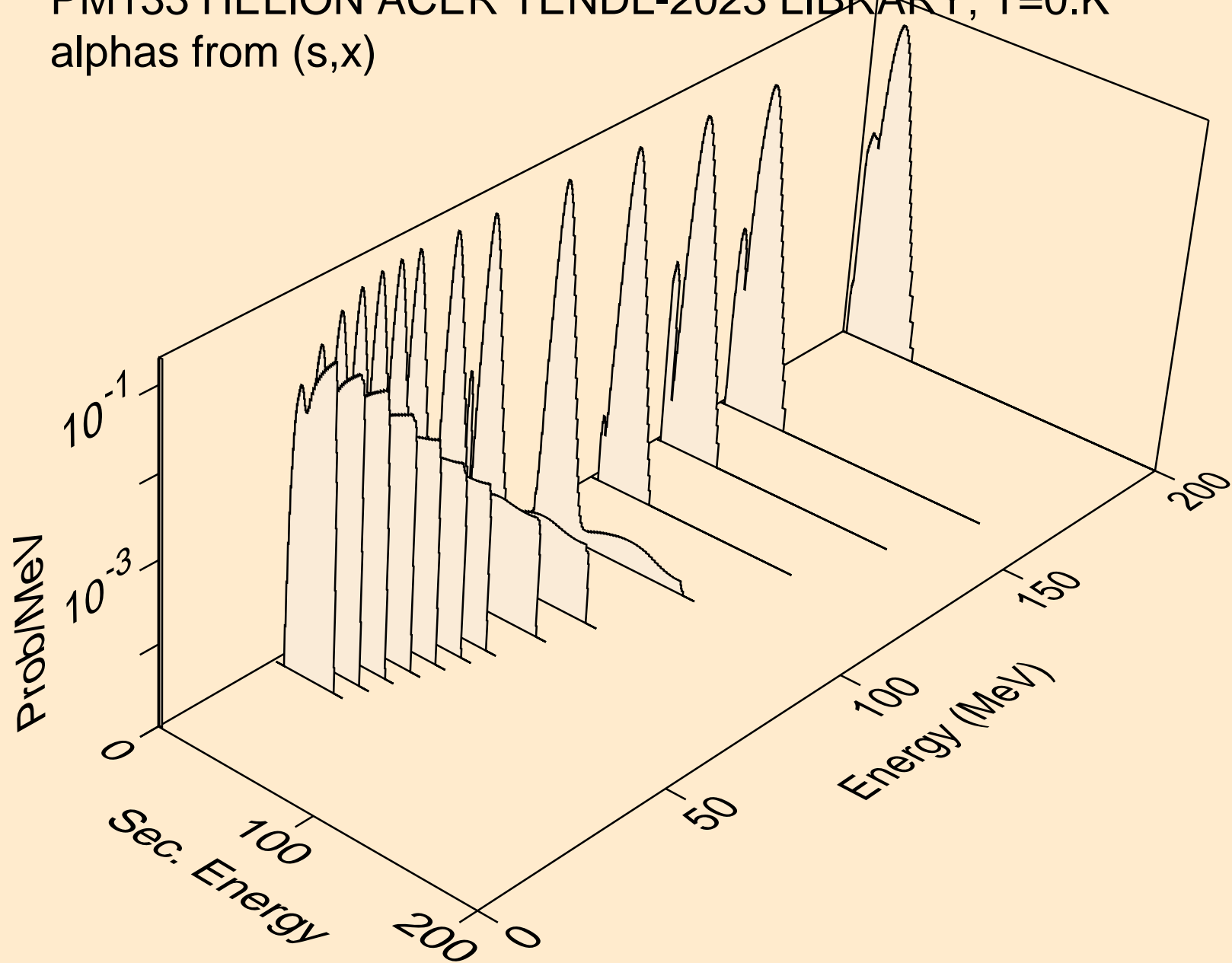
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PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,pt)

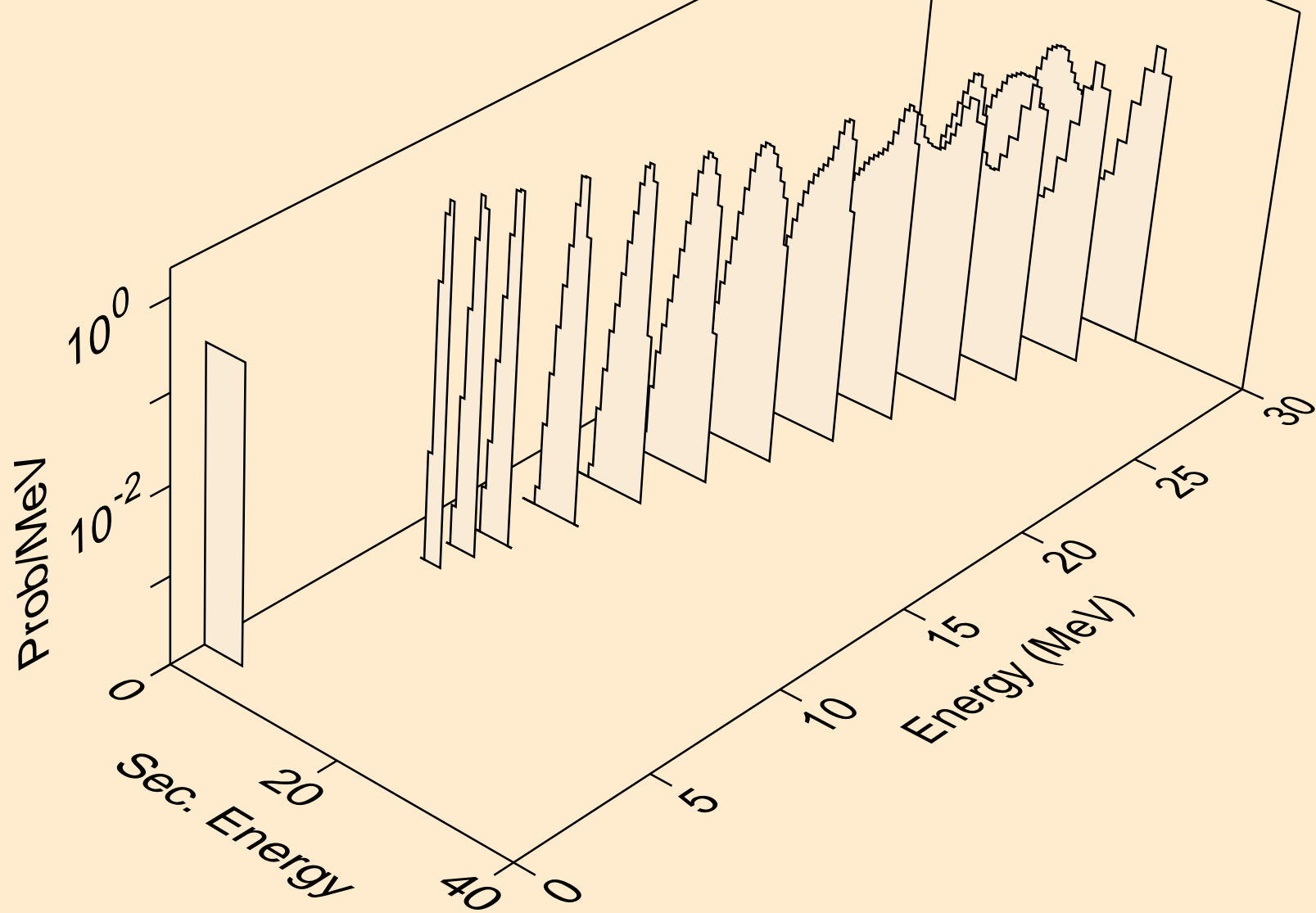


PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,x)

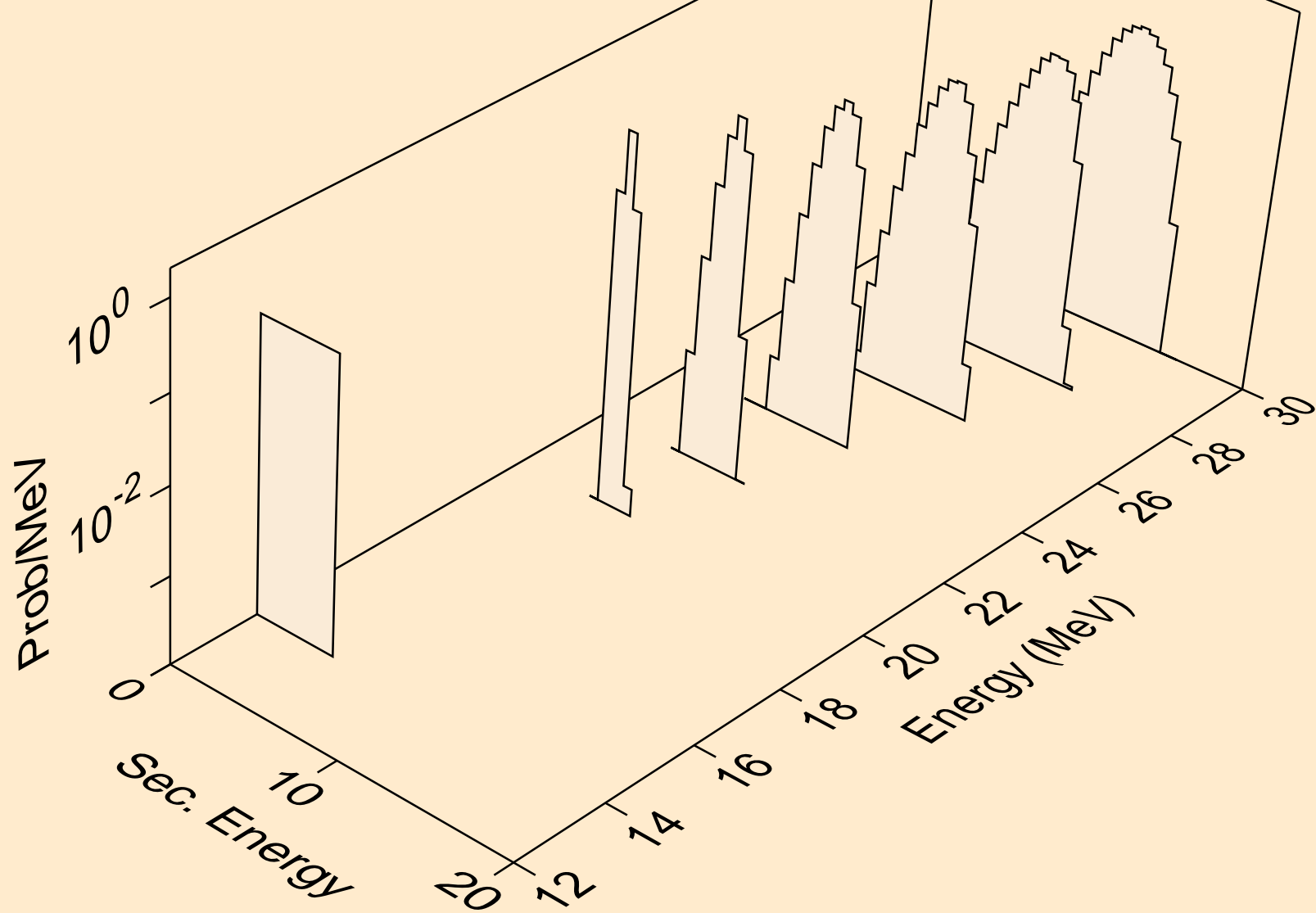




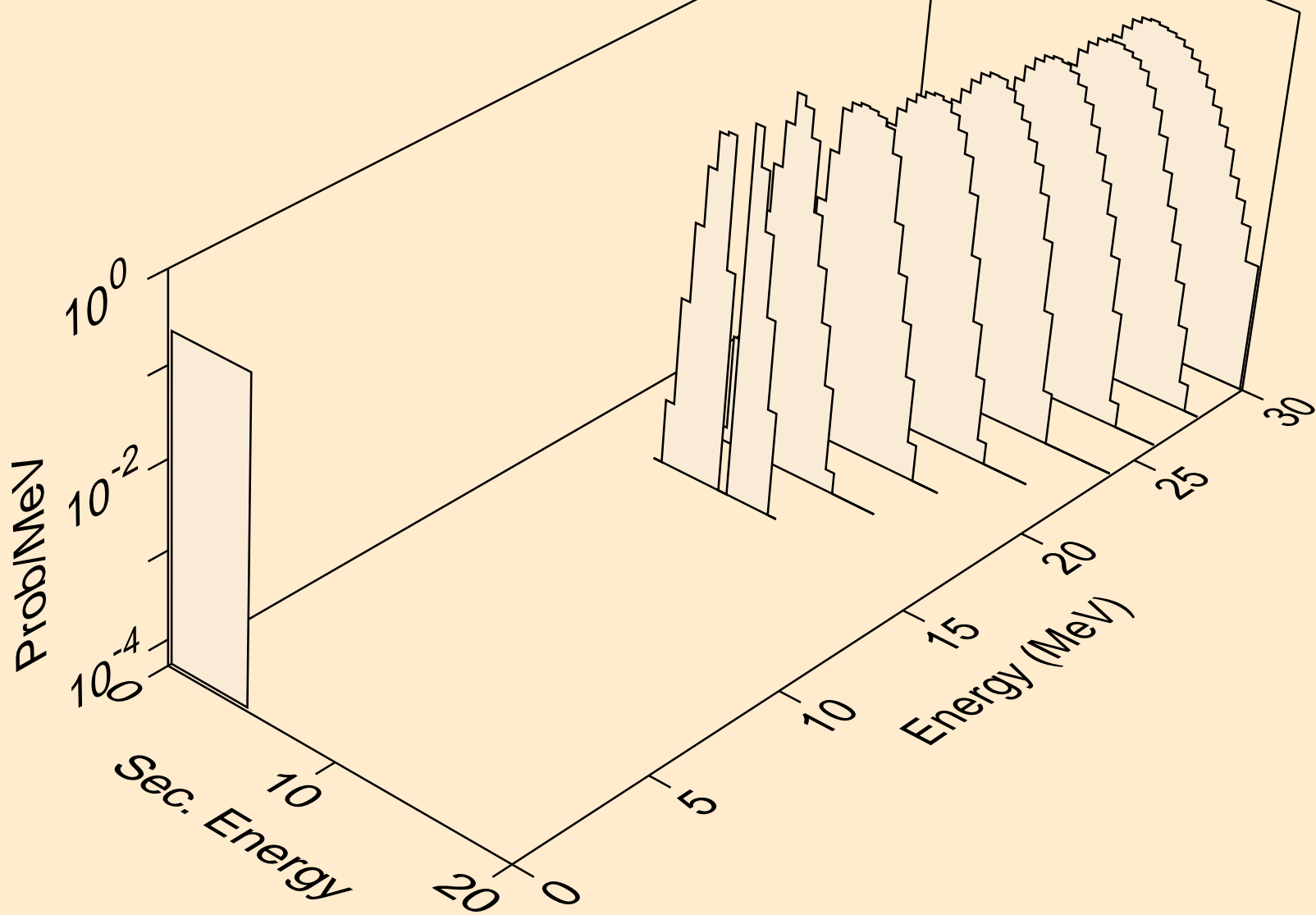
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)a



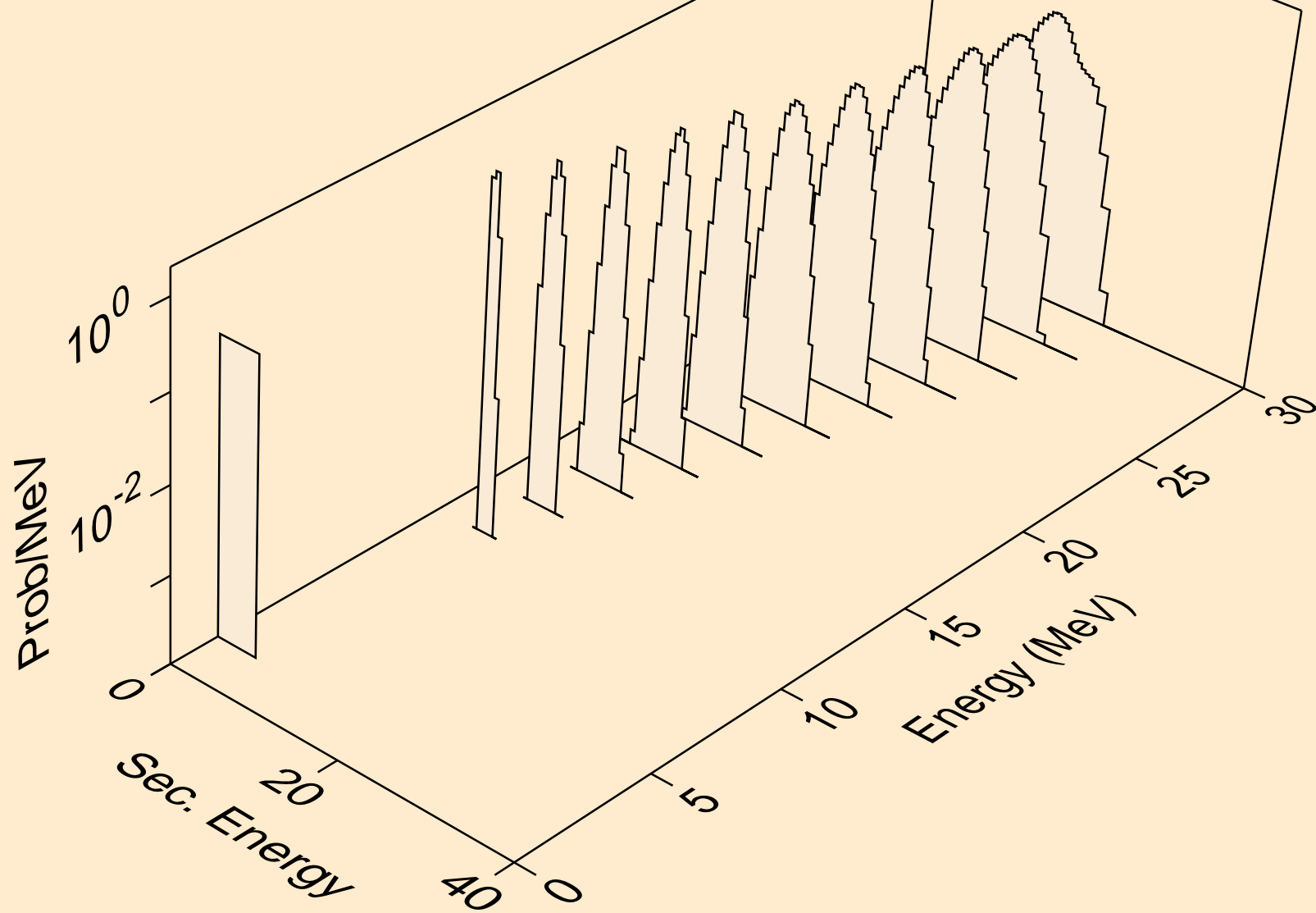
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2n)a



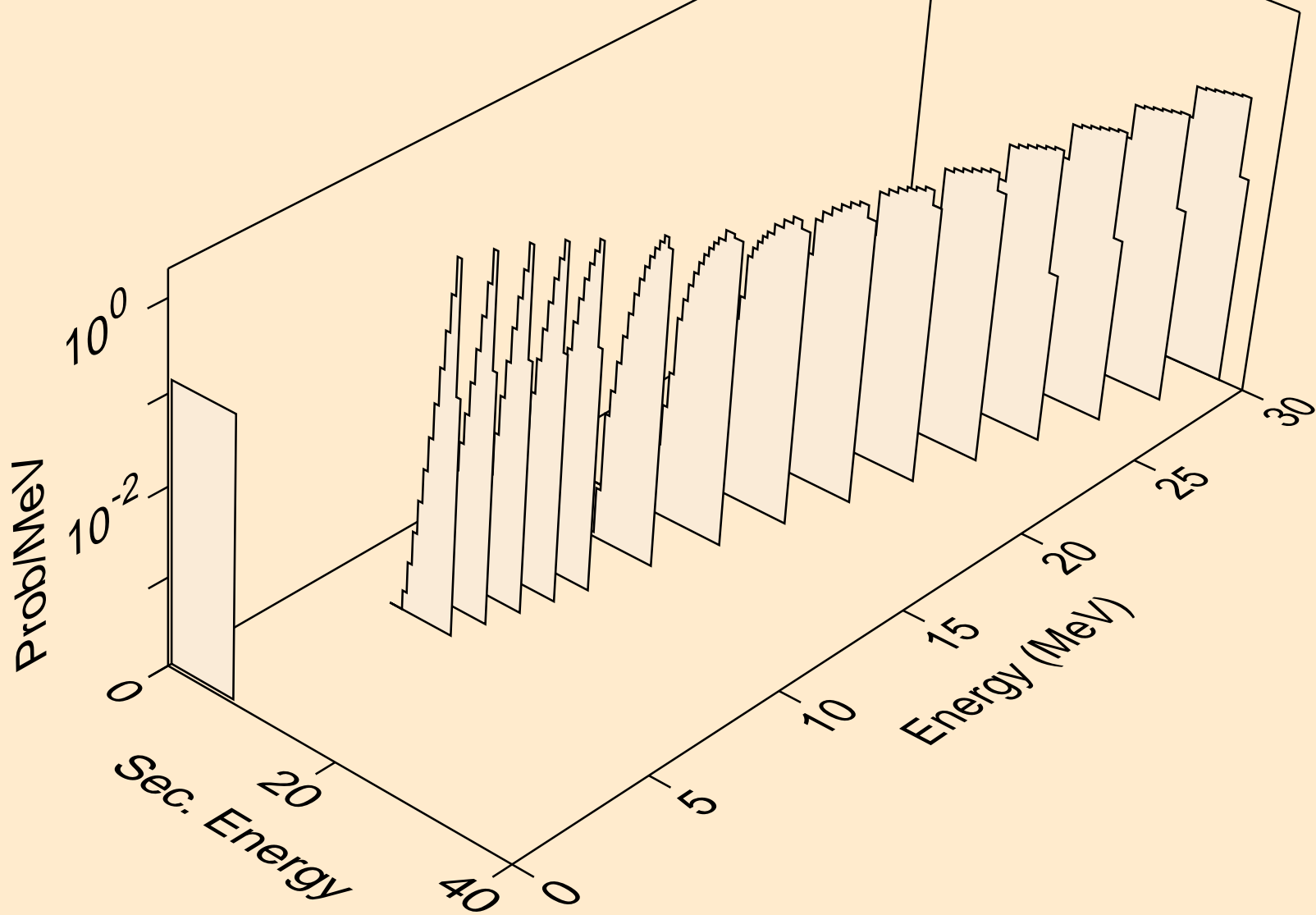
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)2a



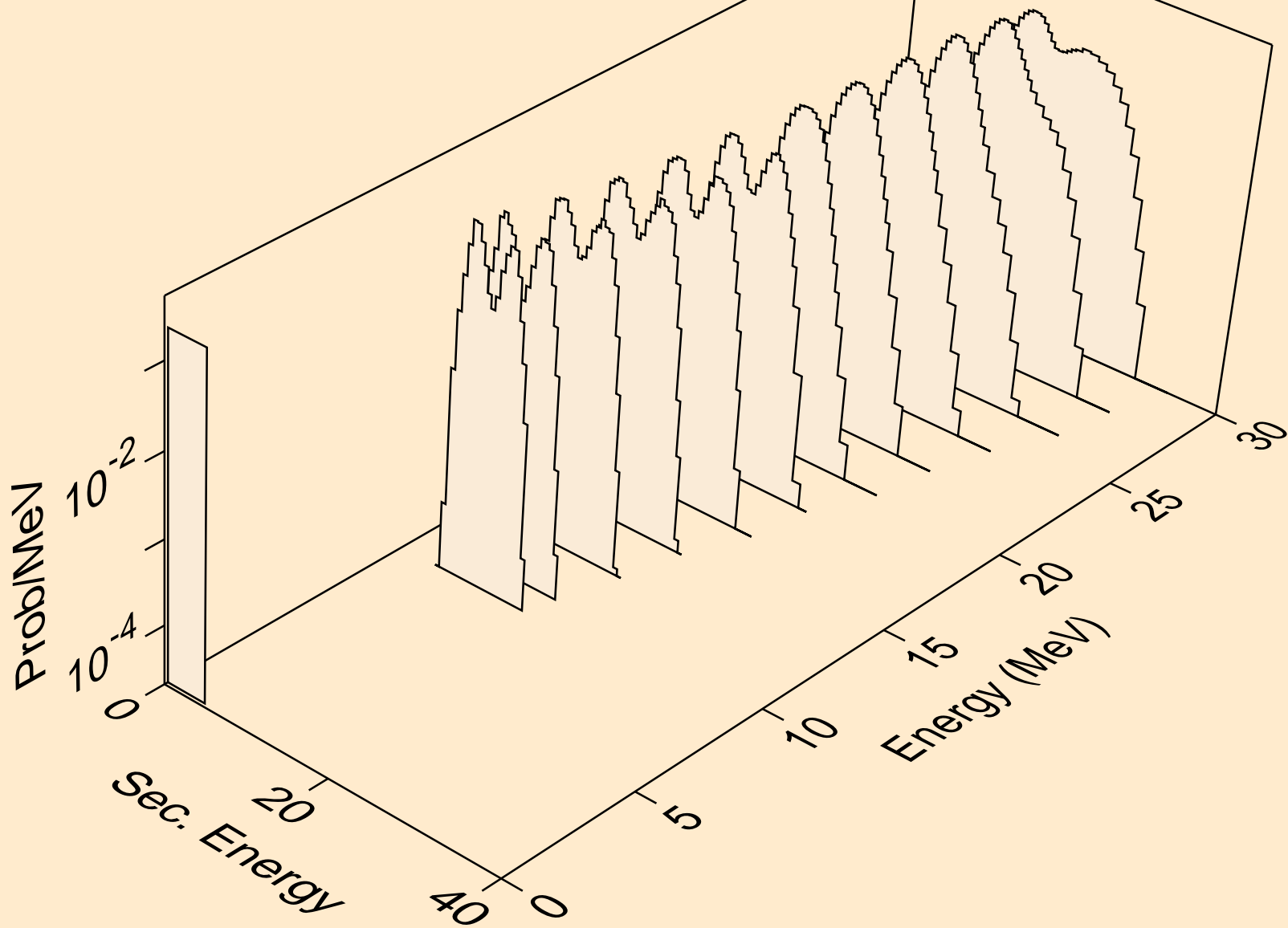
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,npa)



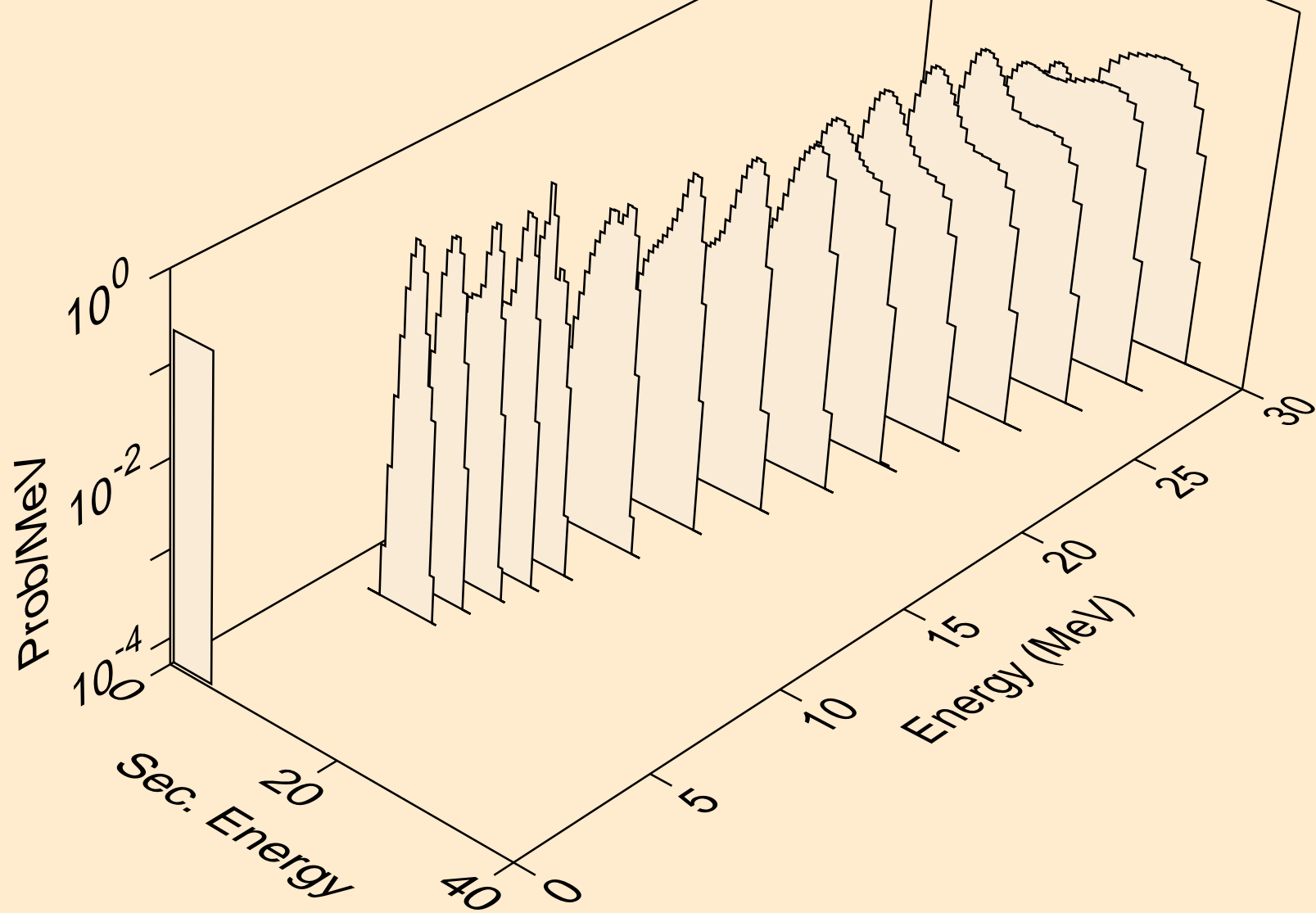
PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,a)



PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2a)



PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



PM133 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

