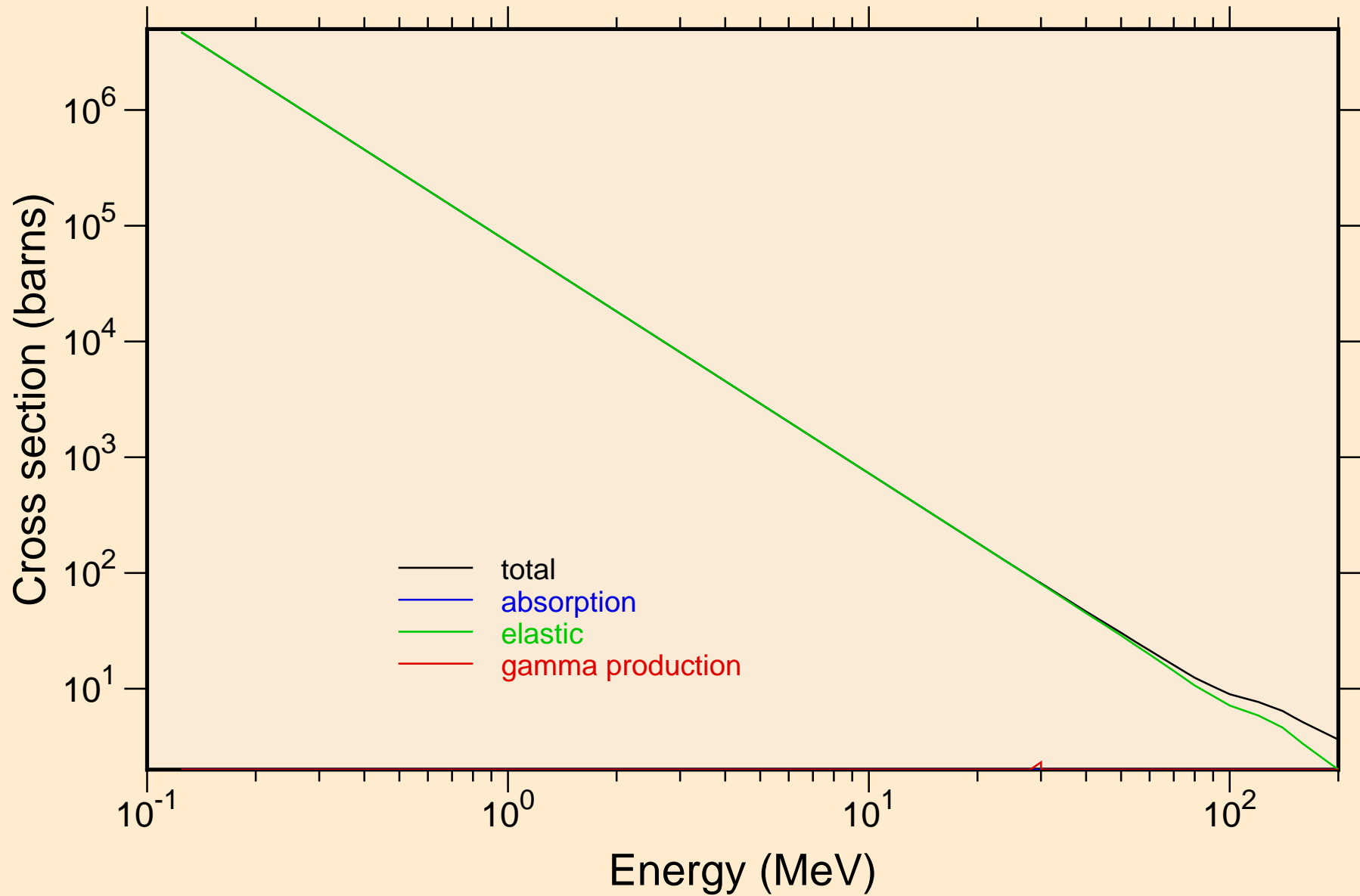
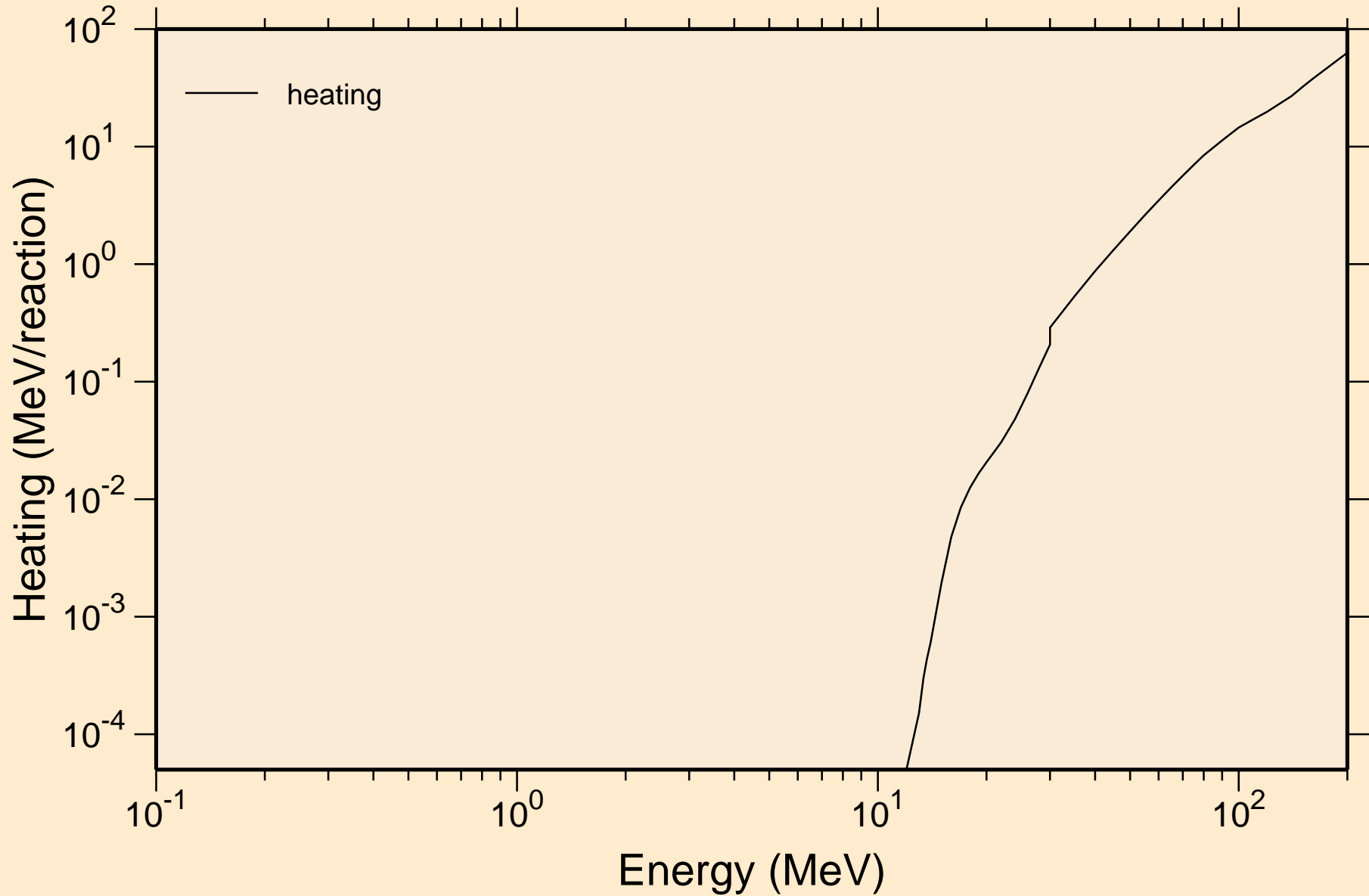


I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



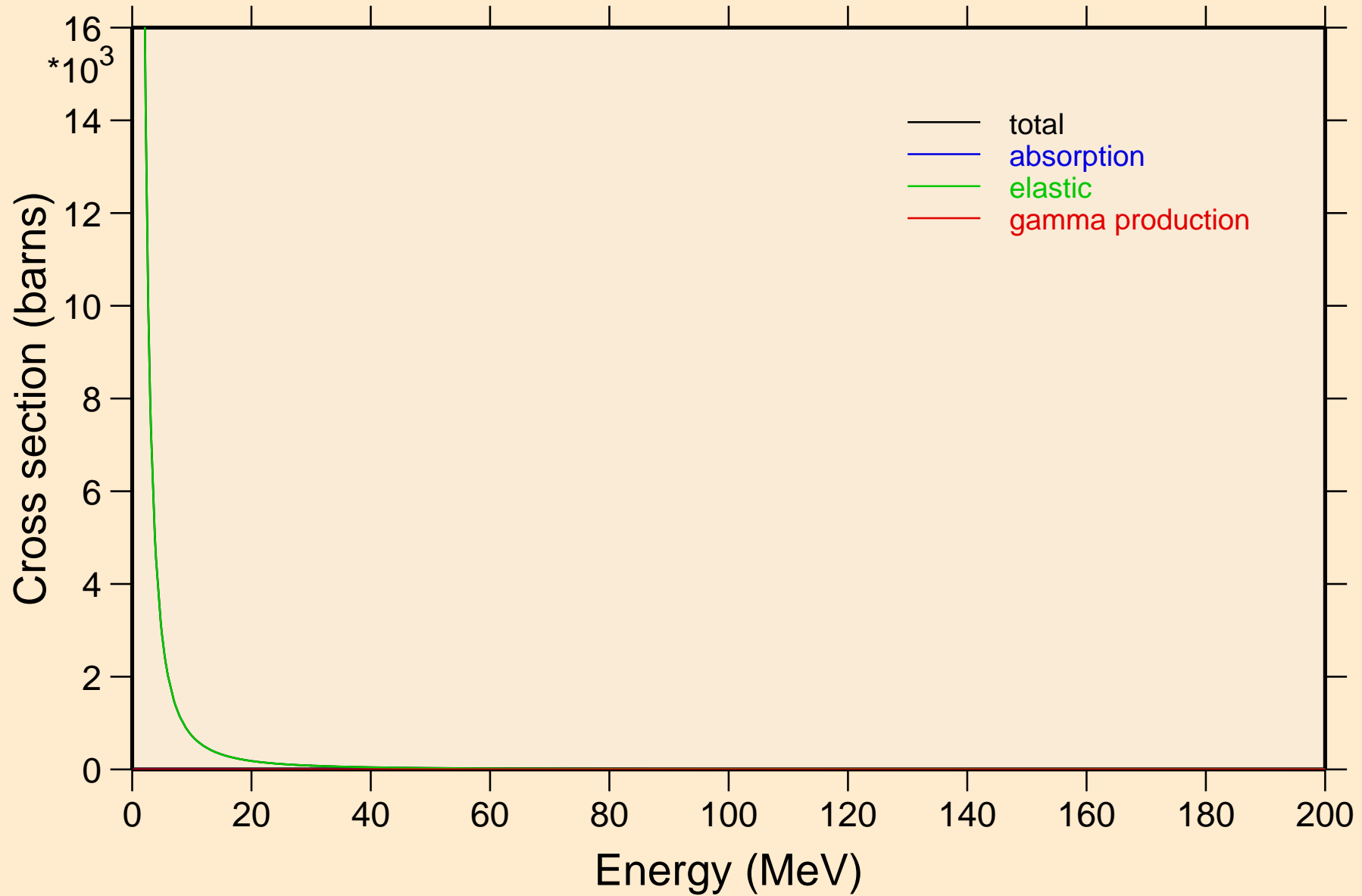
# I112 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Heating



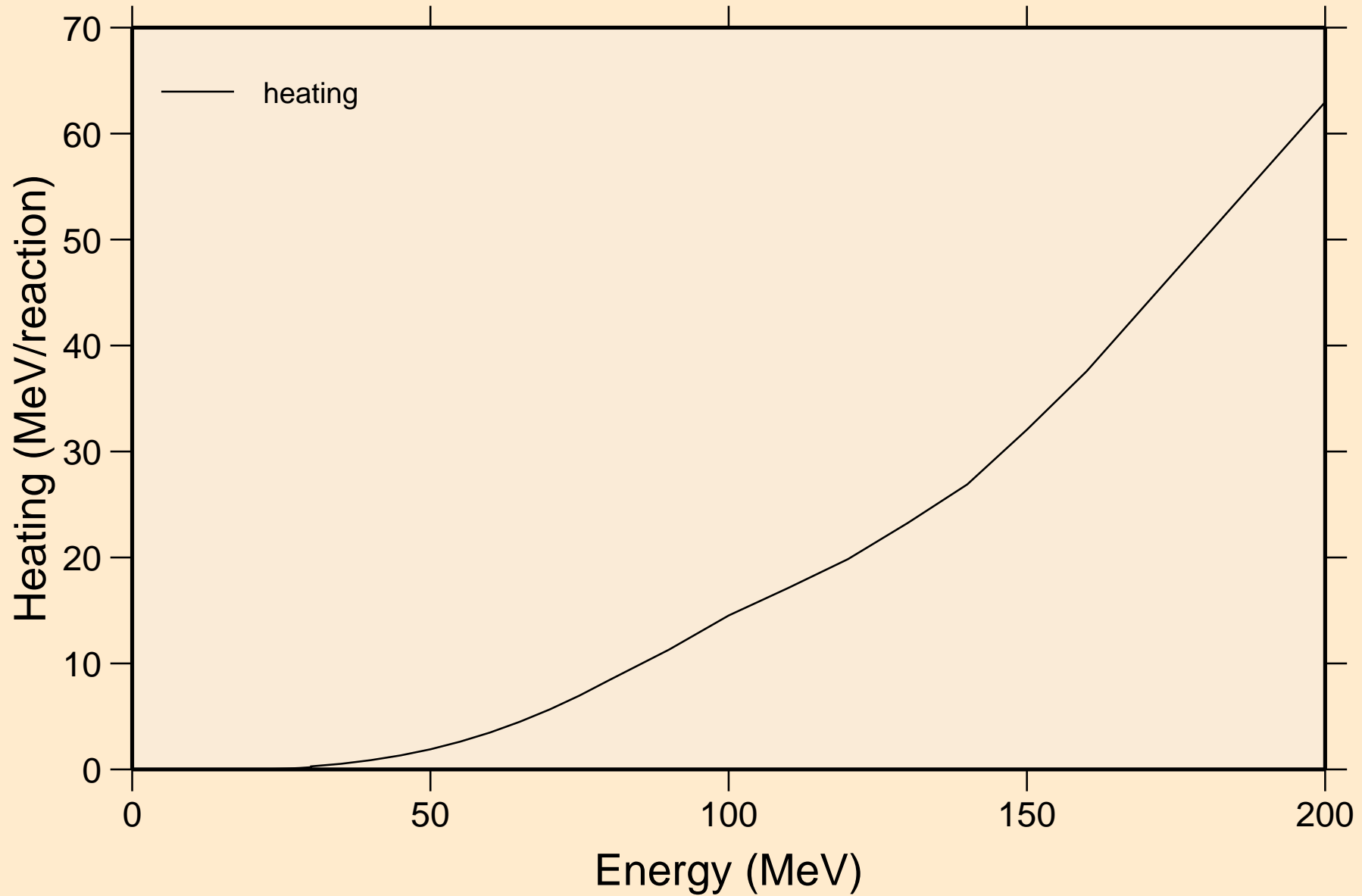
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## Principal cross sections

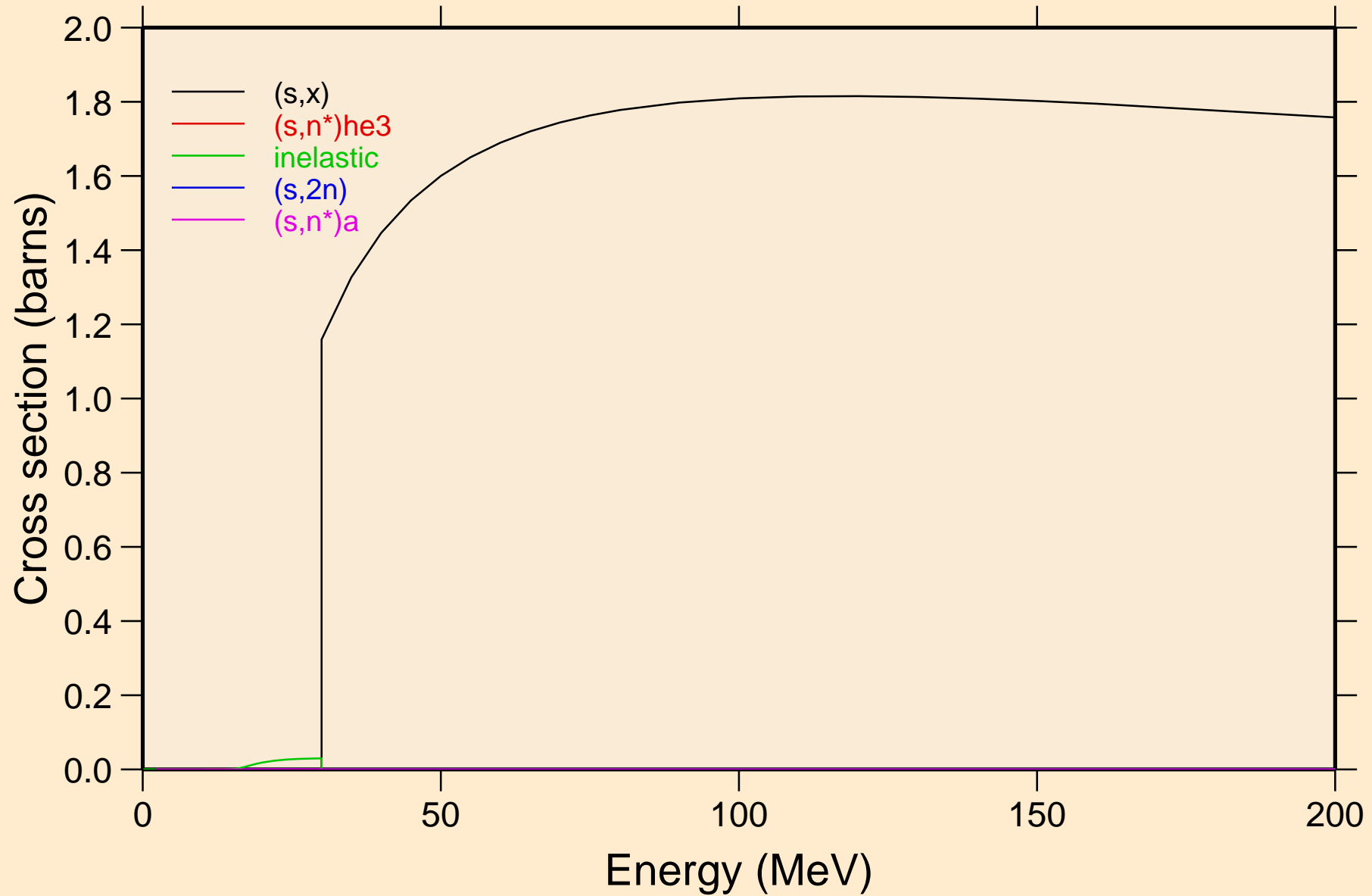


I112 HELION ACER TENDL-2023 LIBRARY; T=0.K

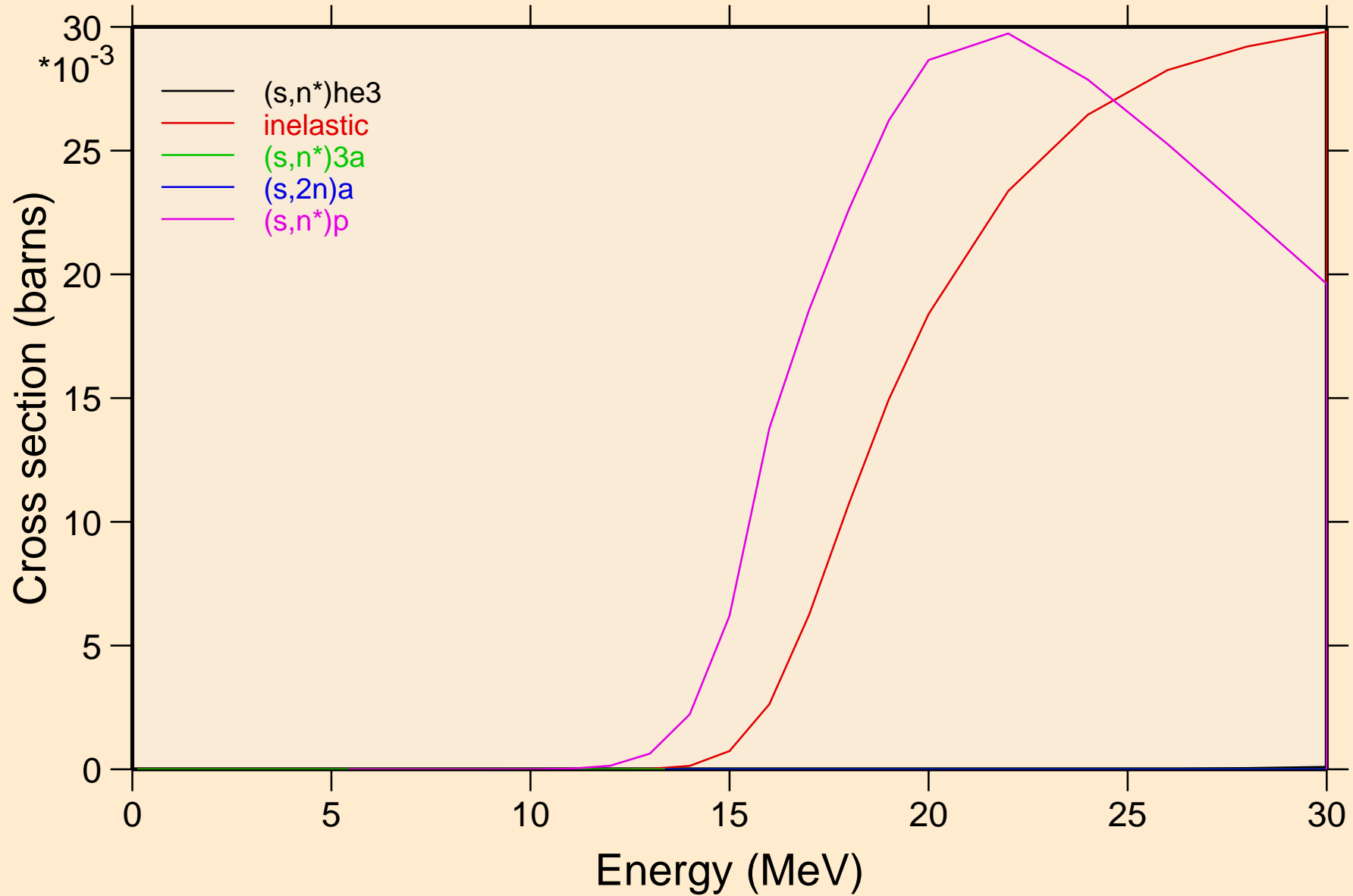
Heating



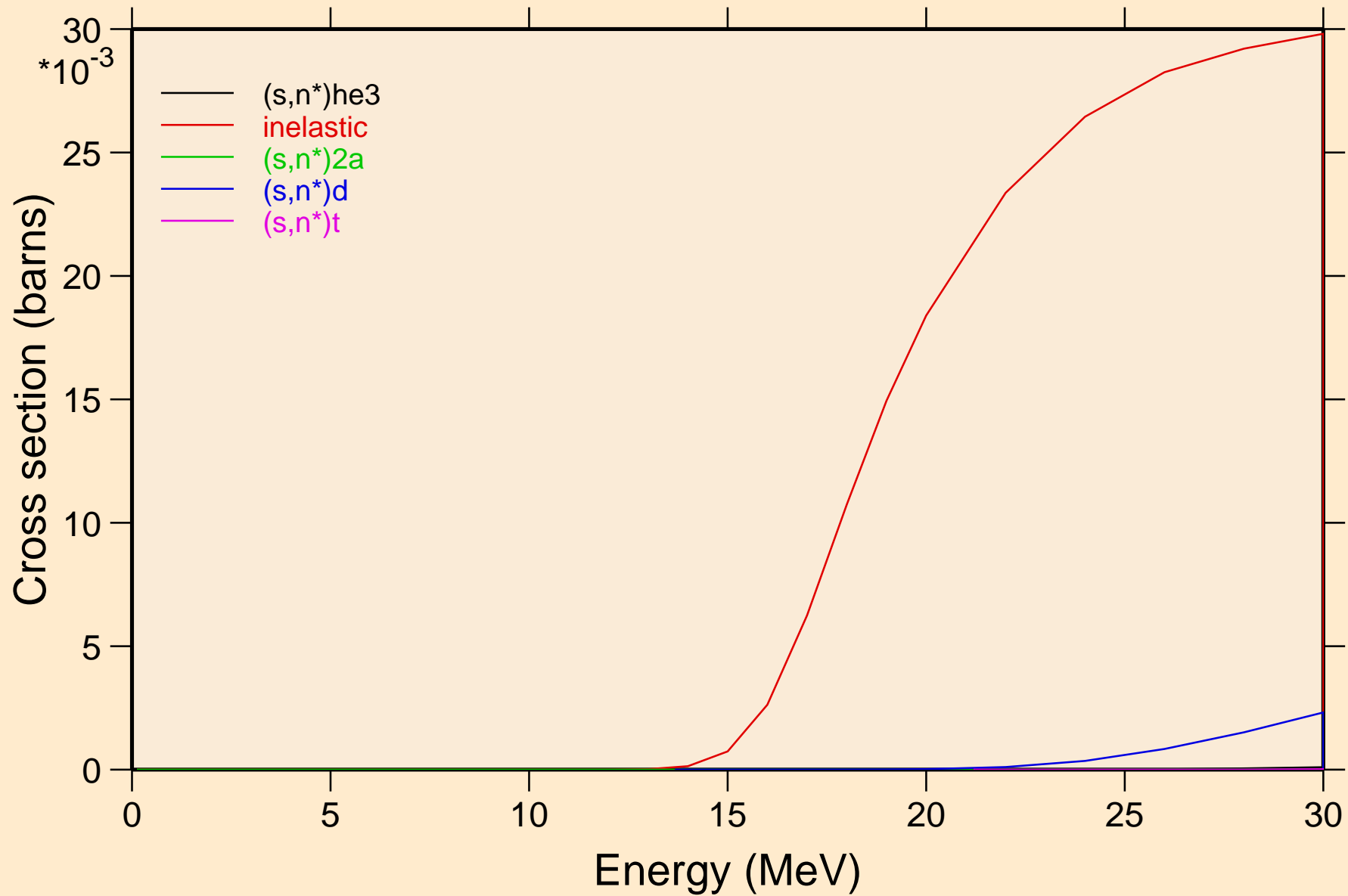
I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

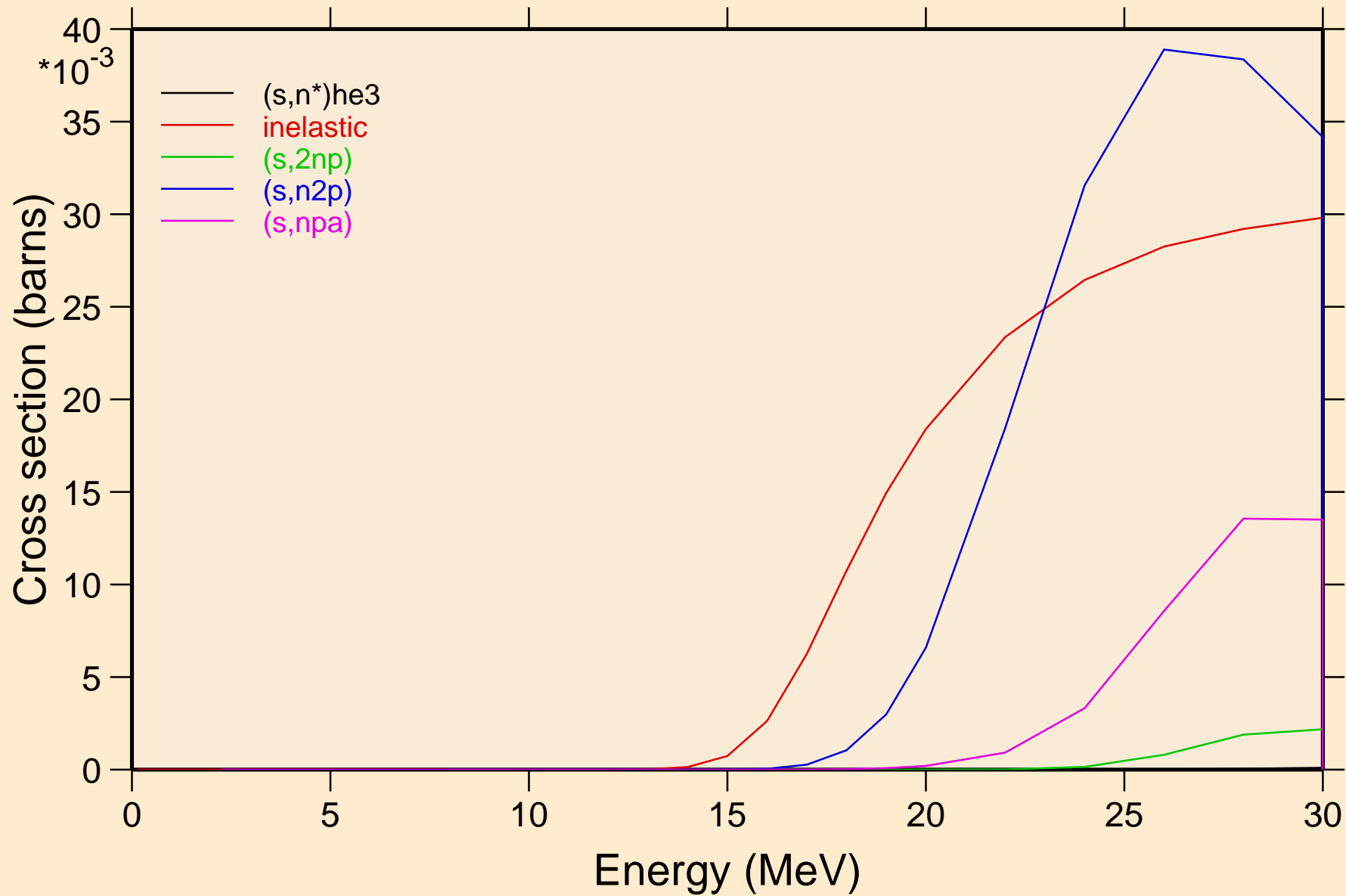


I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



# I112 HELION ACER TENDL-2023 LIBRARY; T=0.K

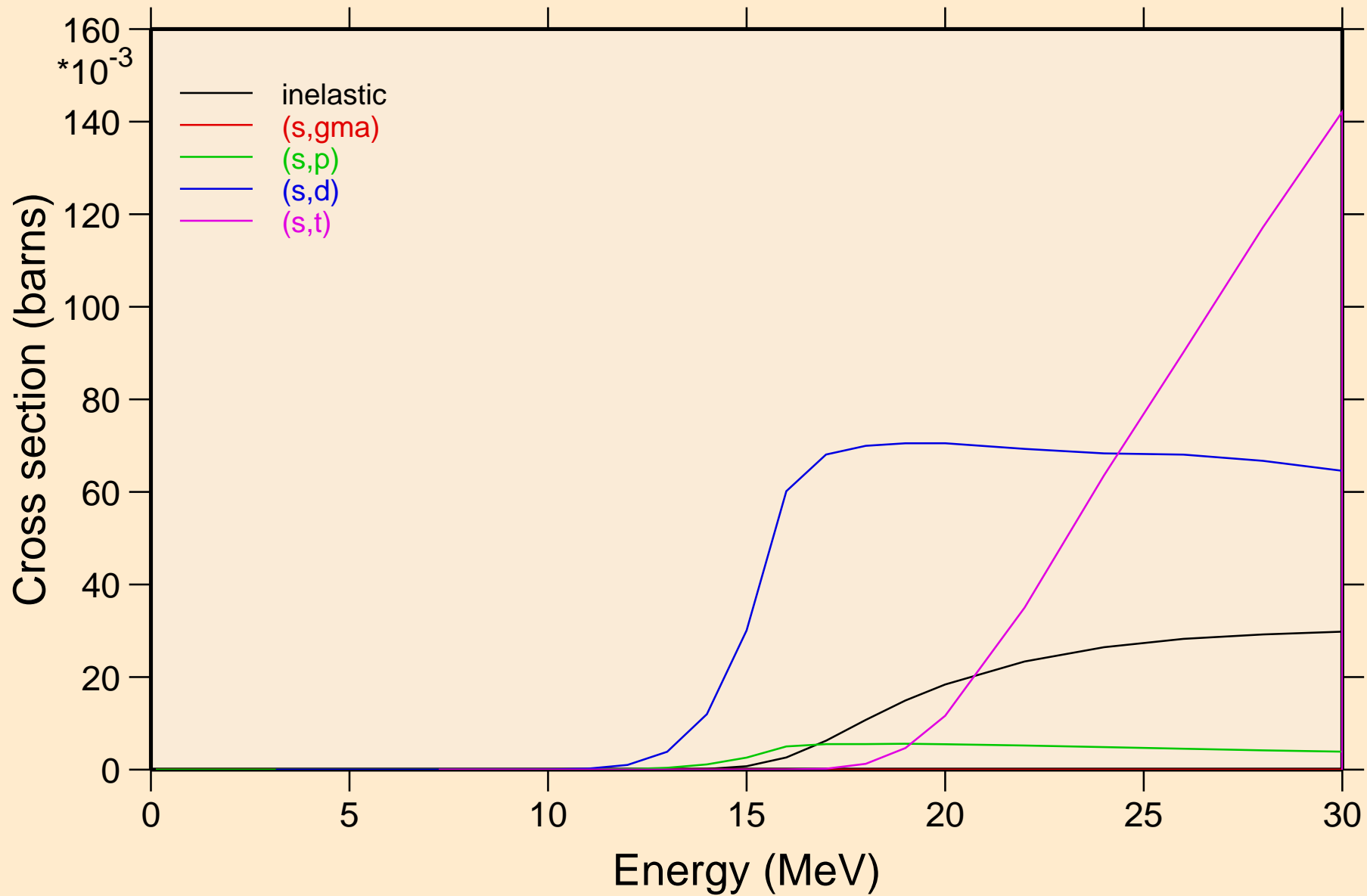
## Threshold reactions



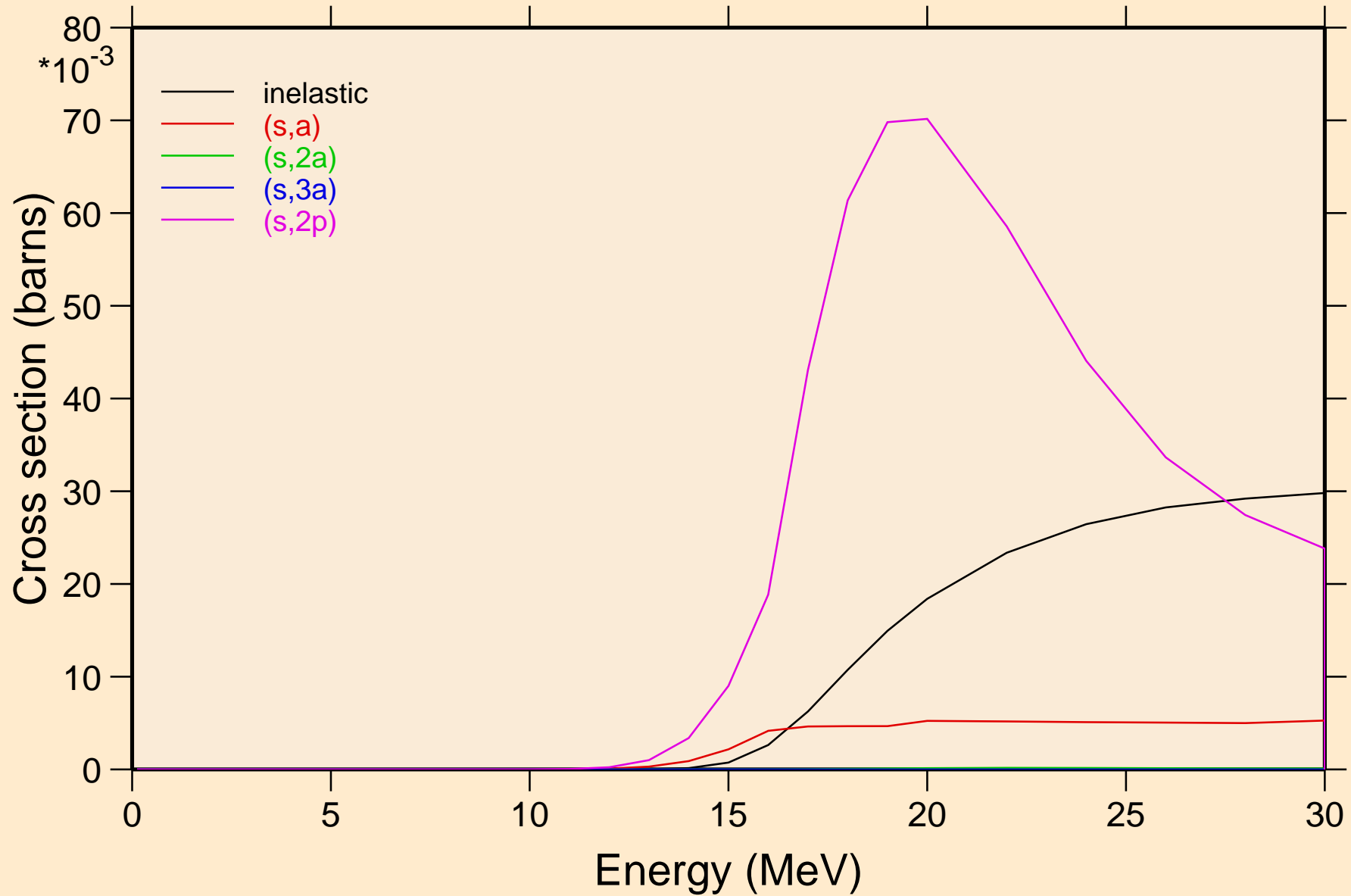


# I112 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

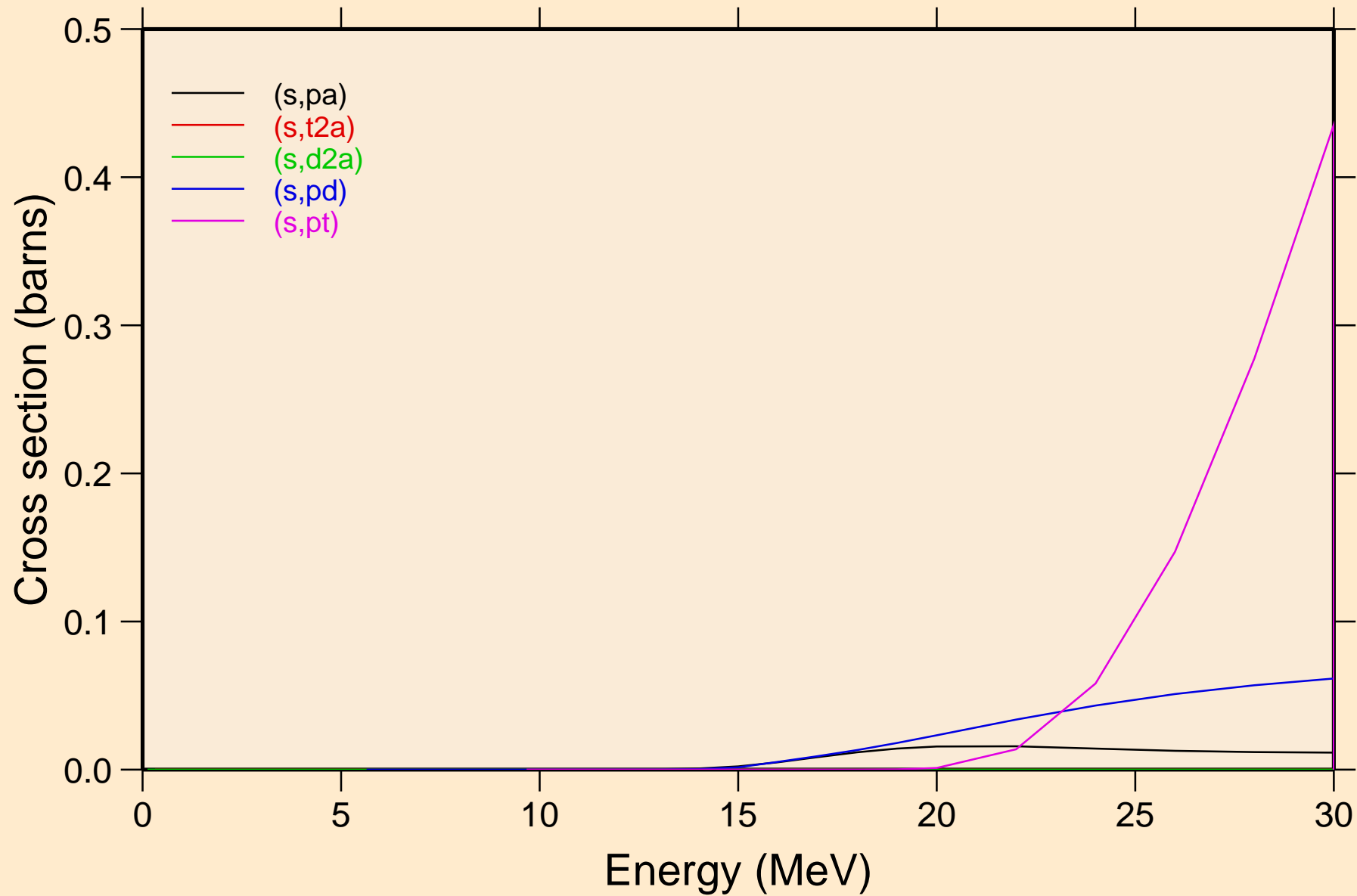


I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



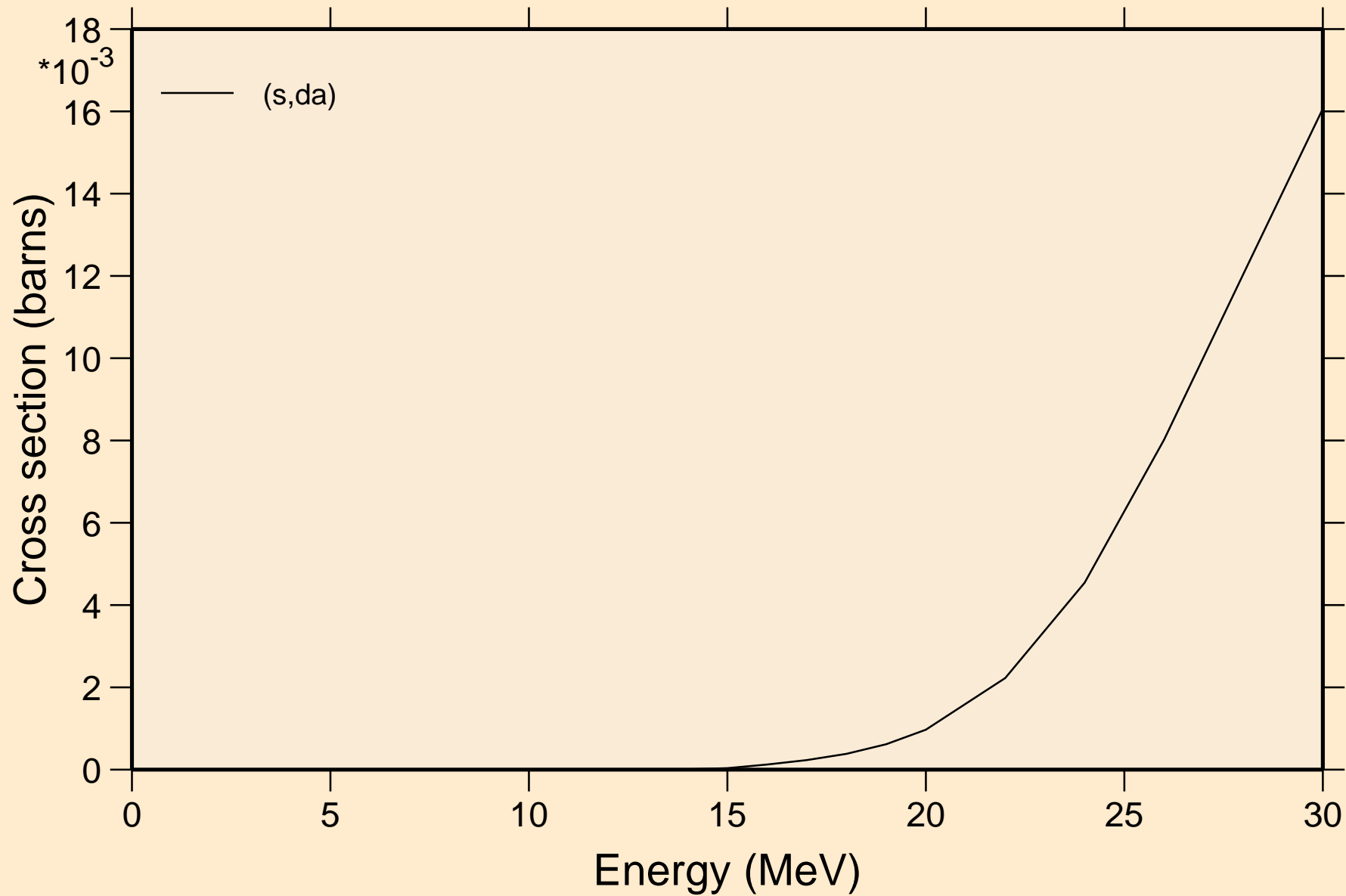
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## Threshold reactions

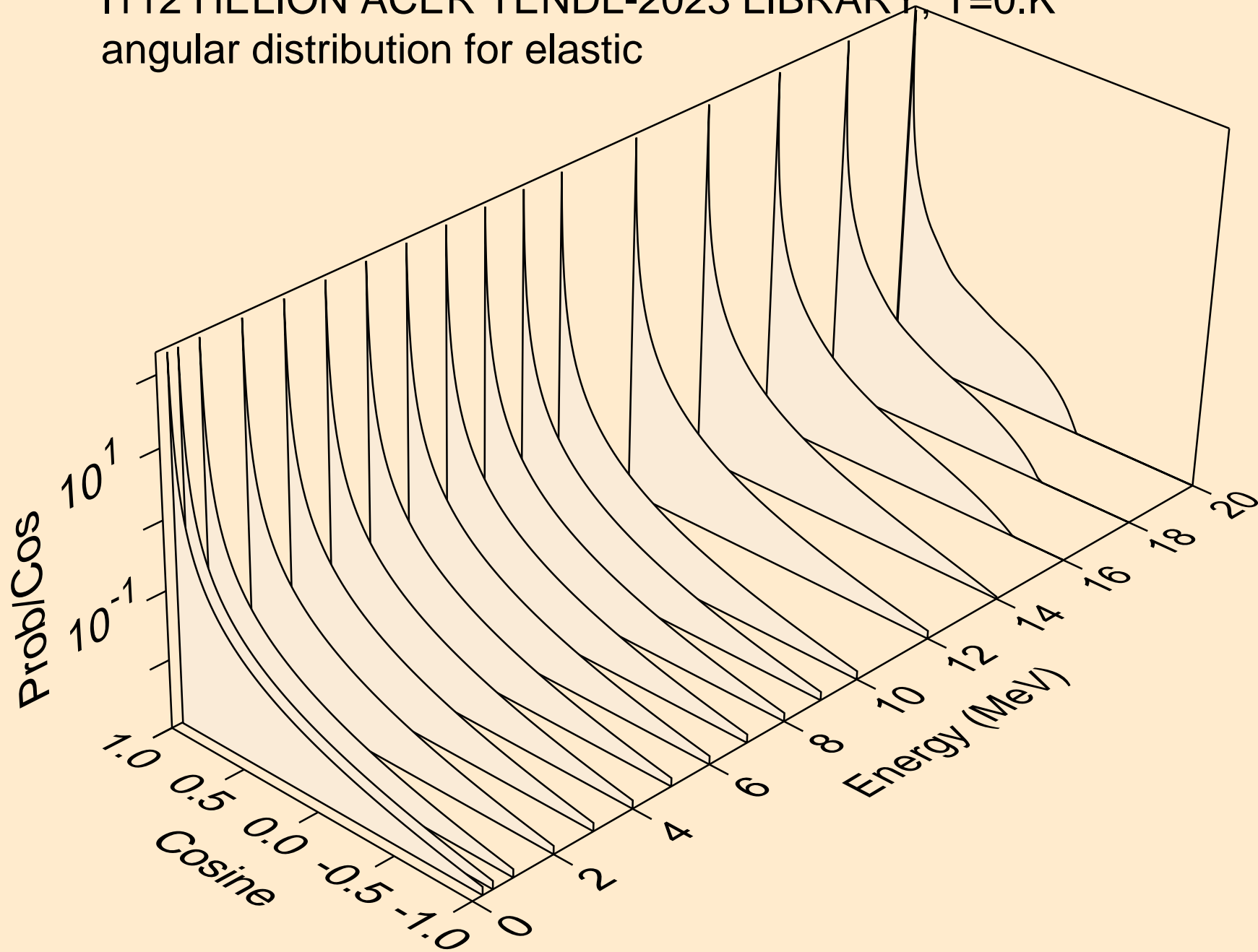


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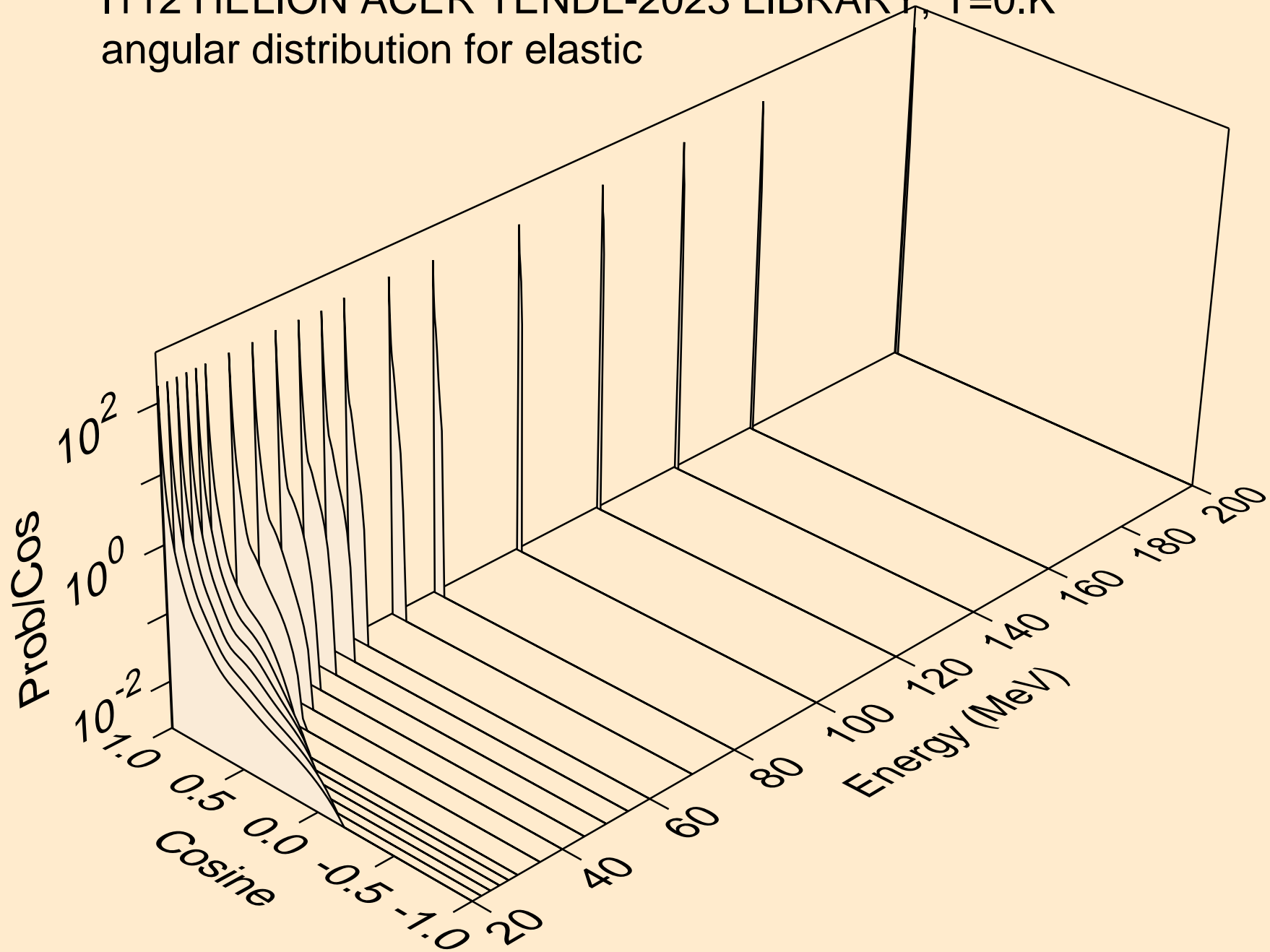
## Threshold reactions



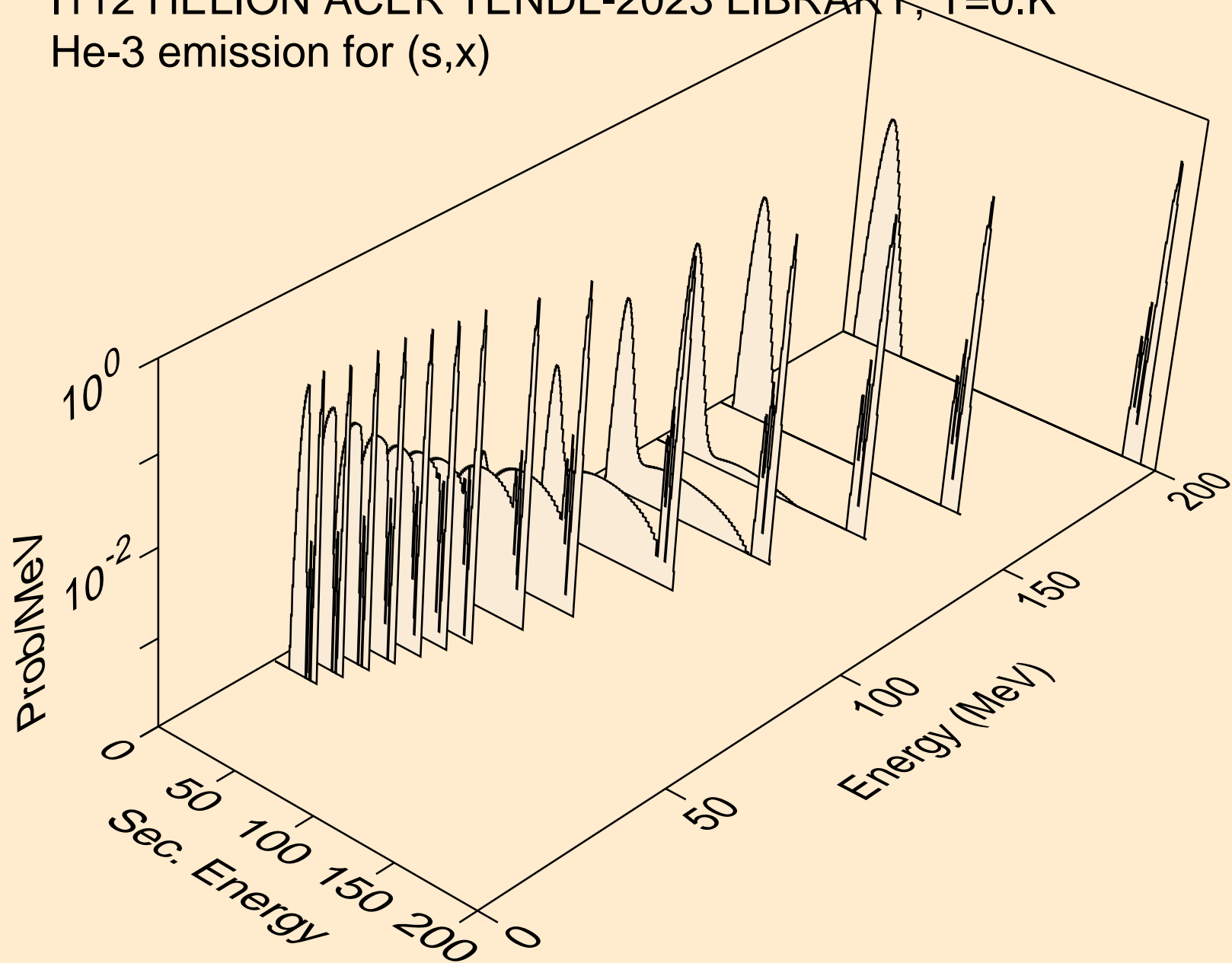
I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



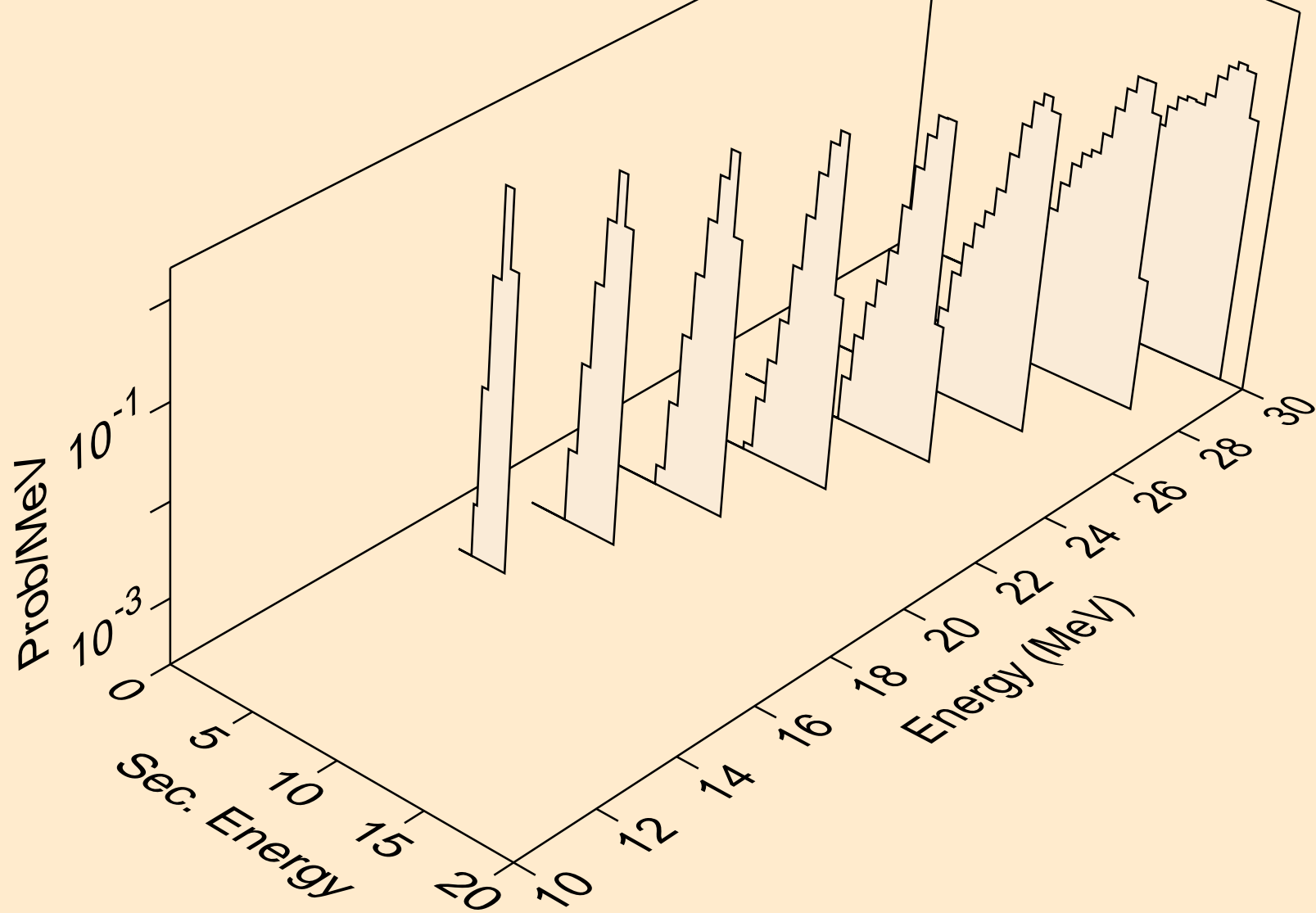
I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)

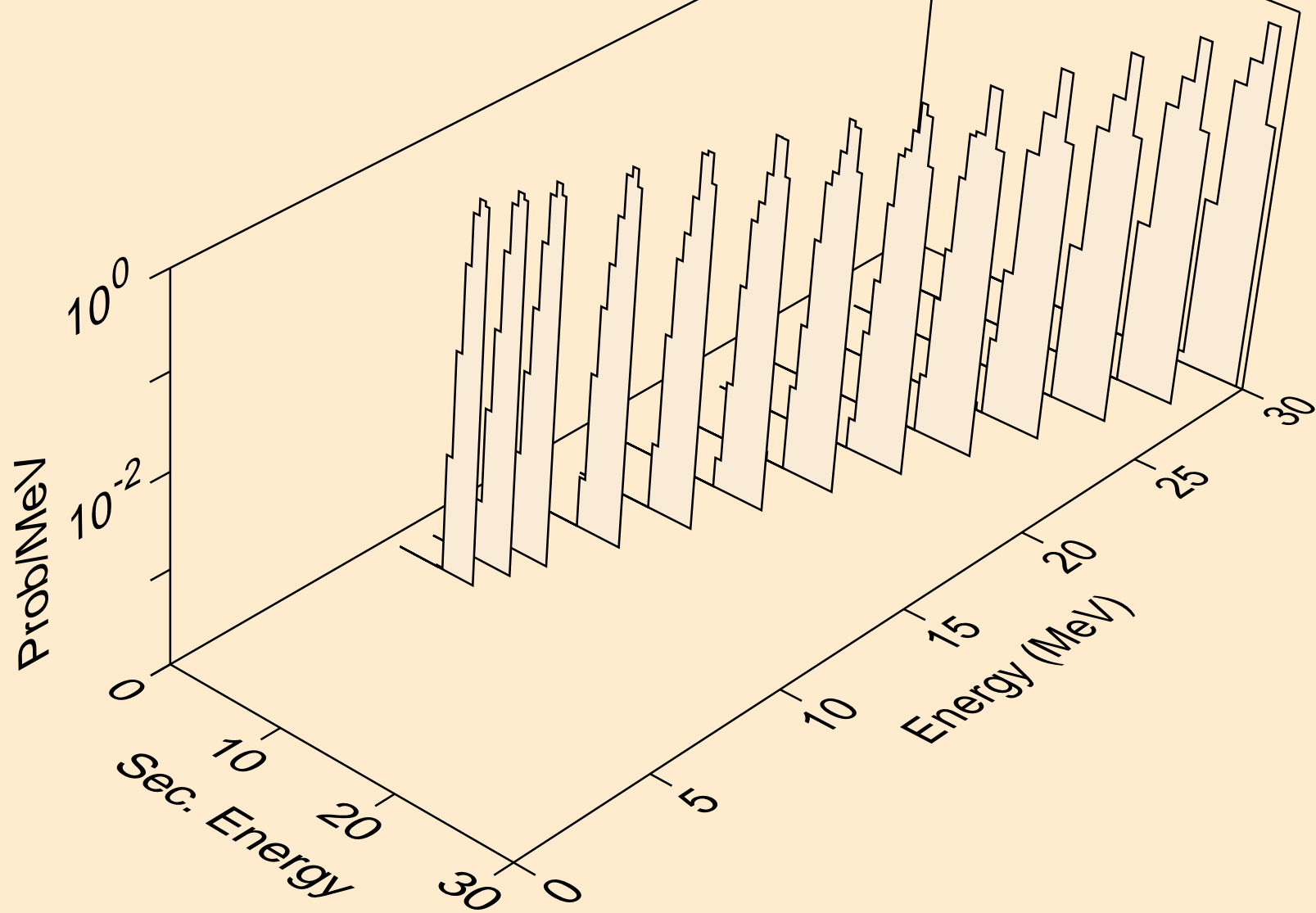


I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

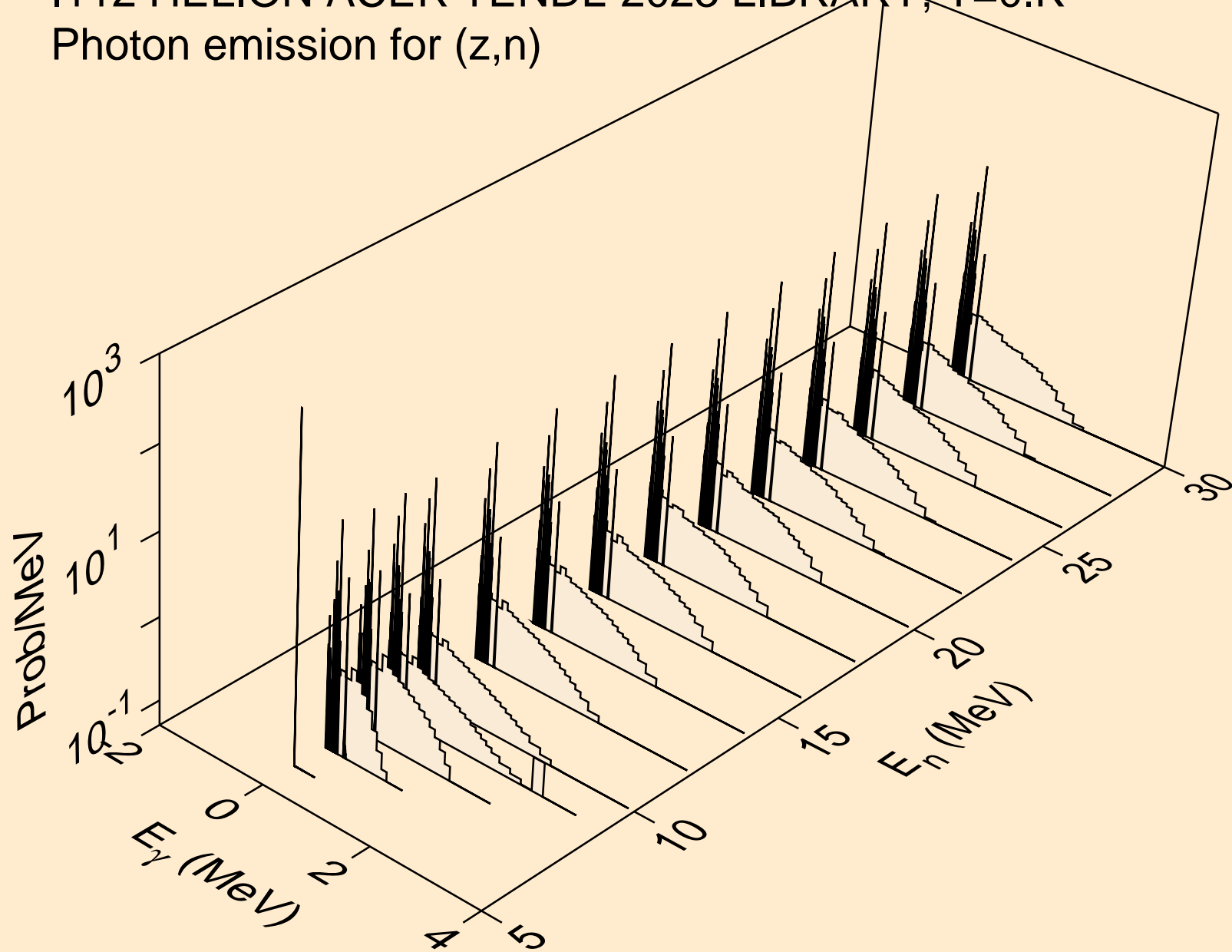




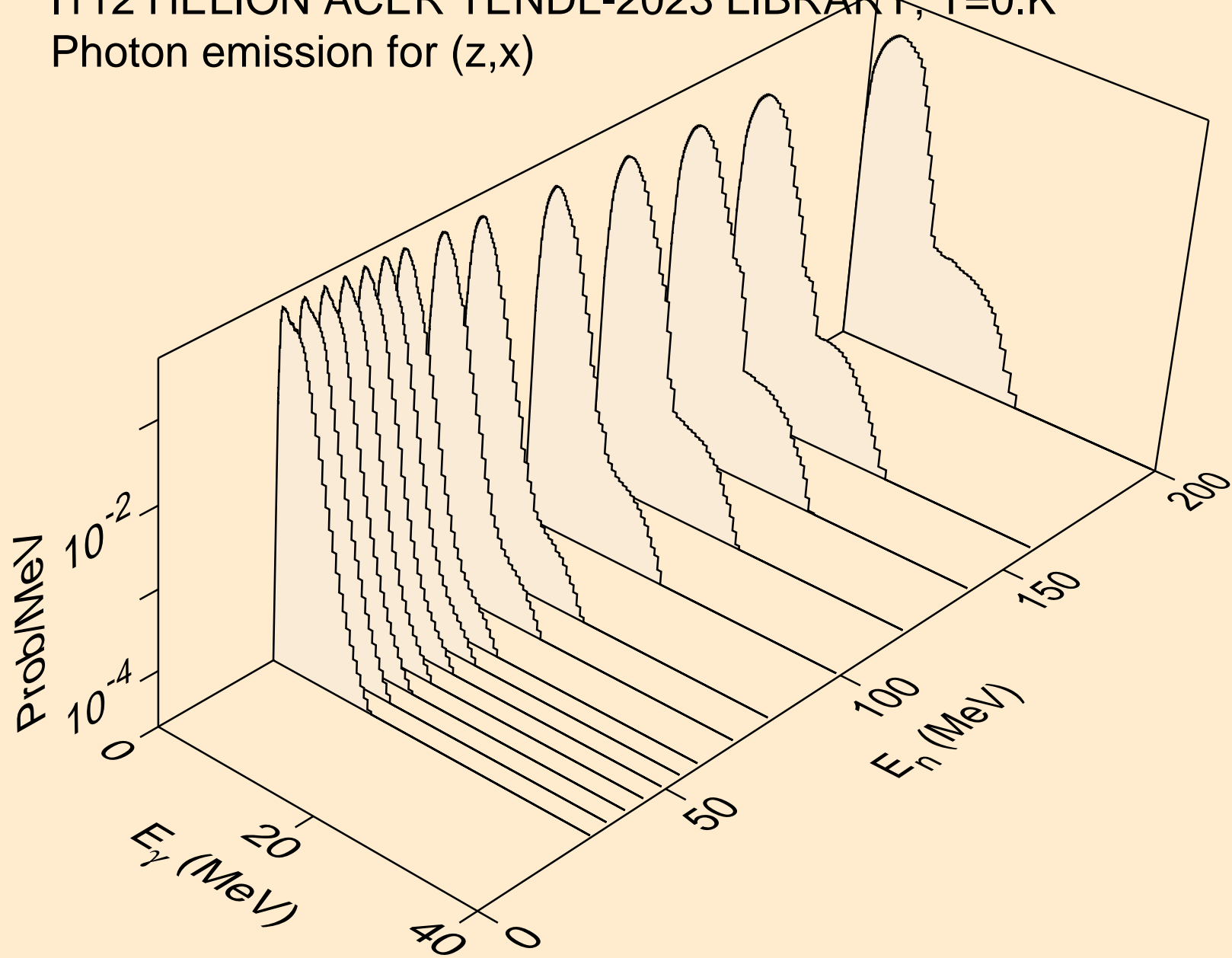
I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic



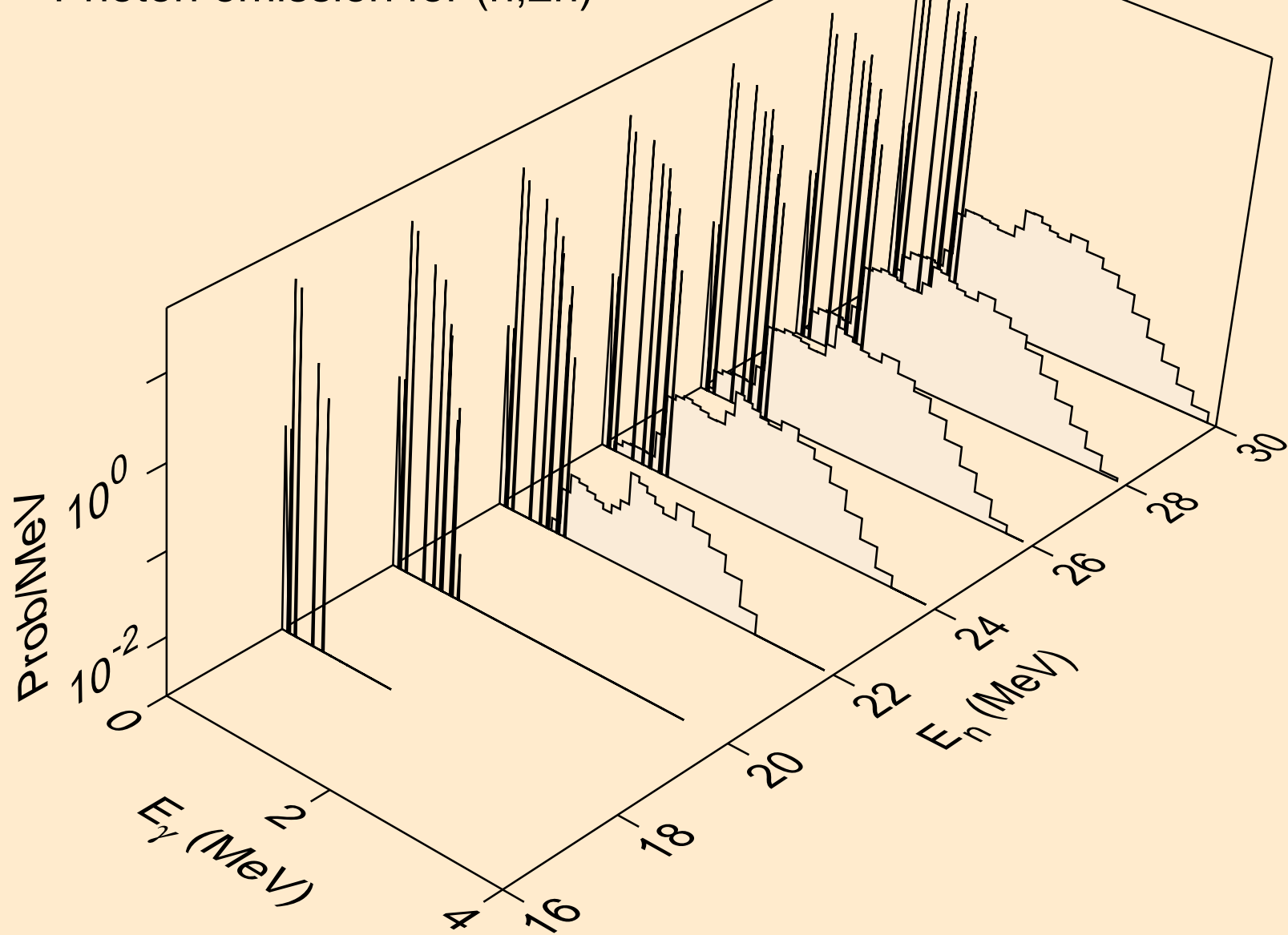
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Photon emission for (z,n)



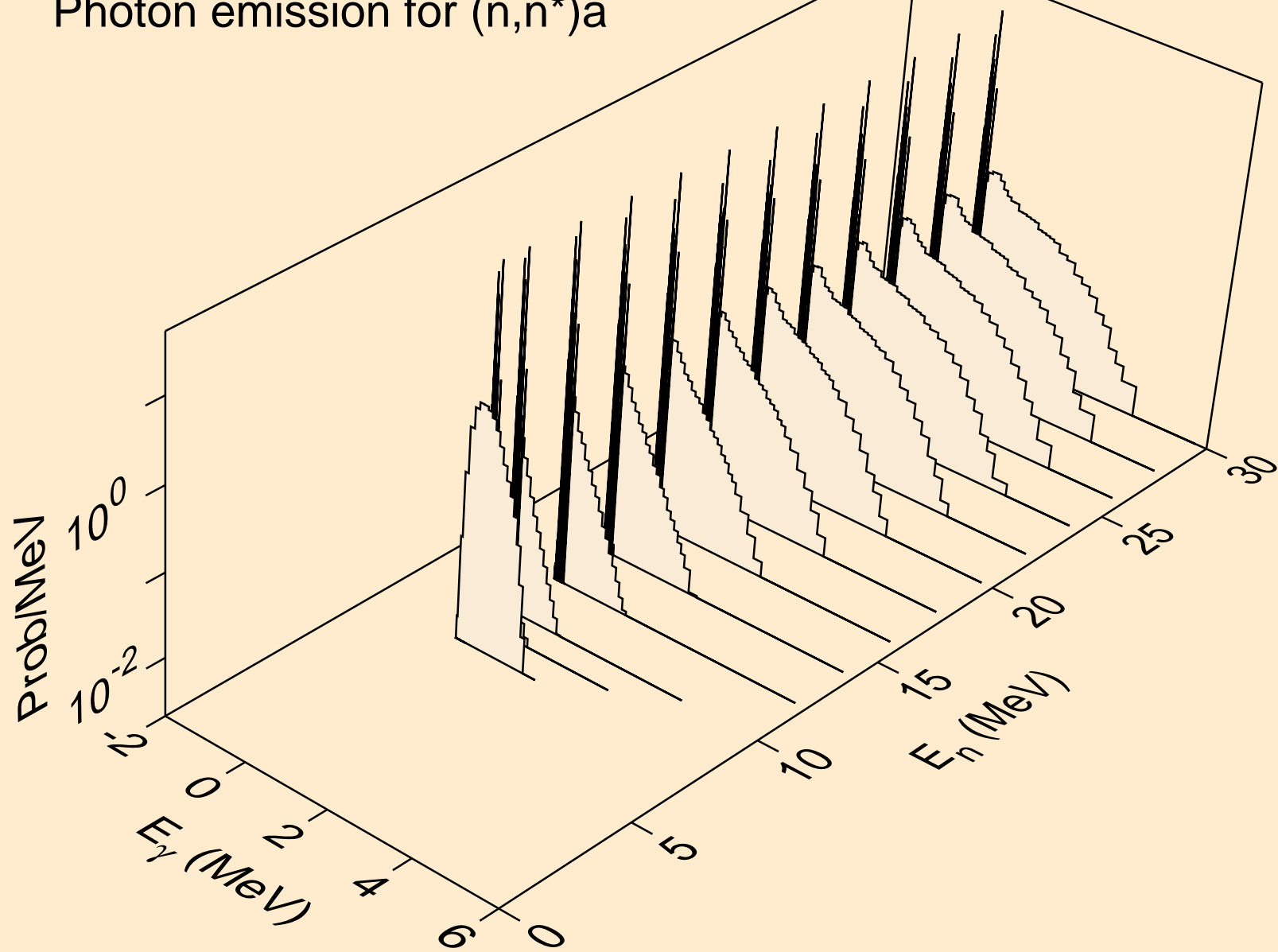
I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



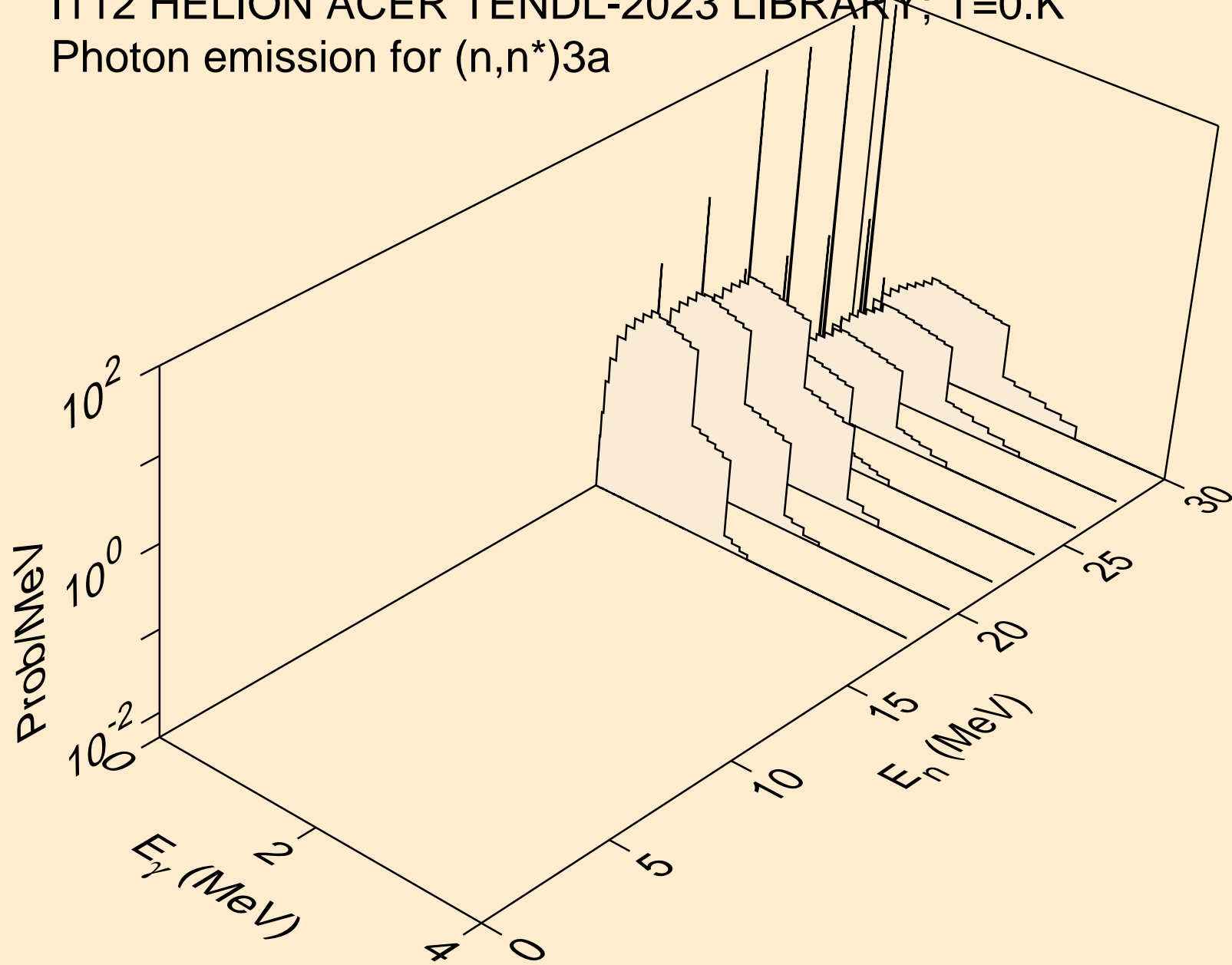
I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



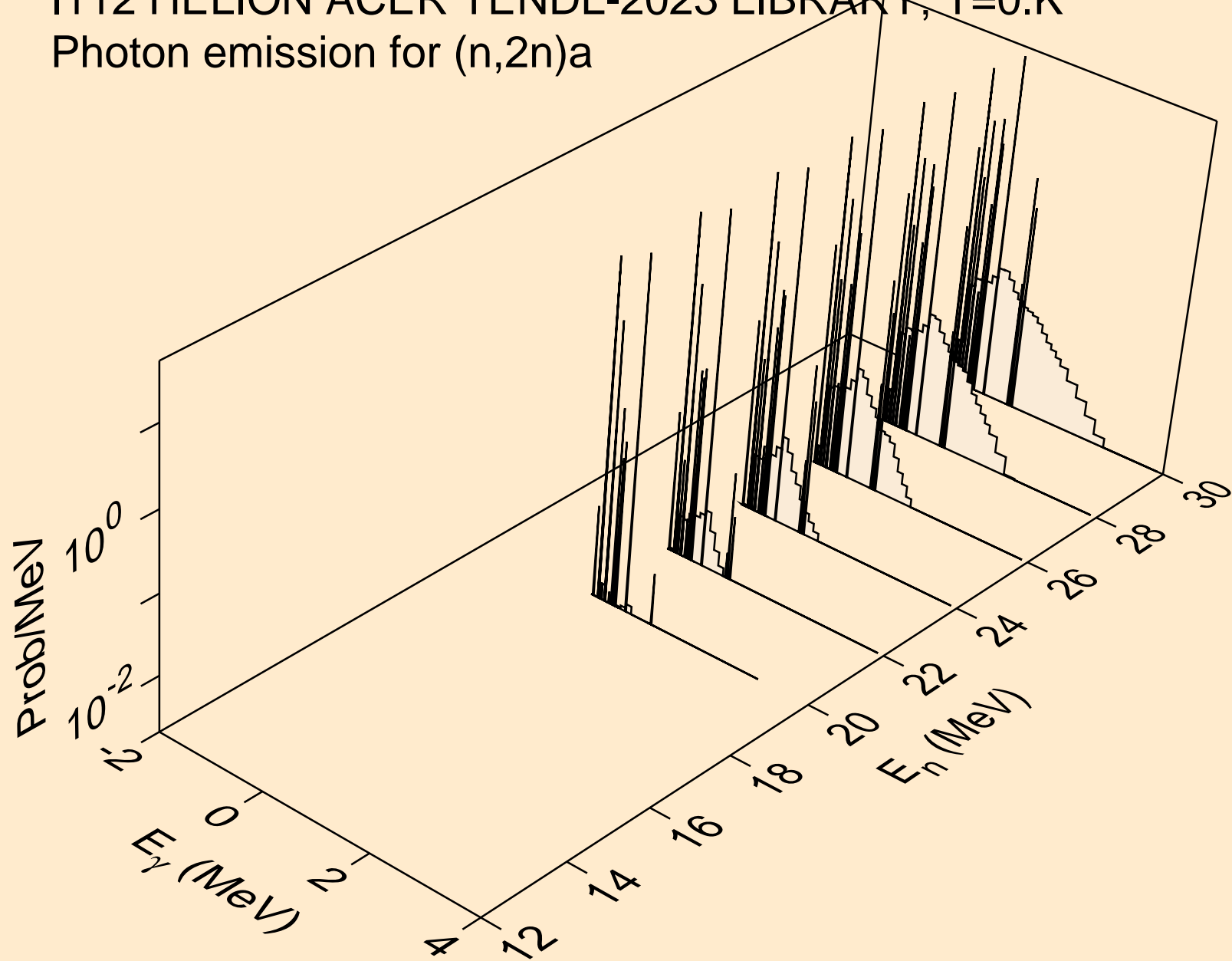
I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



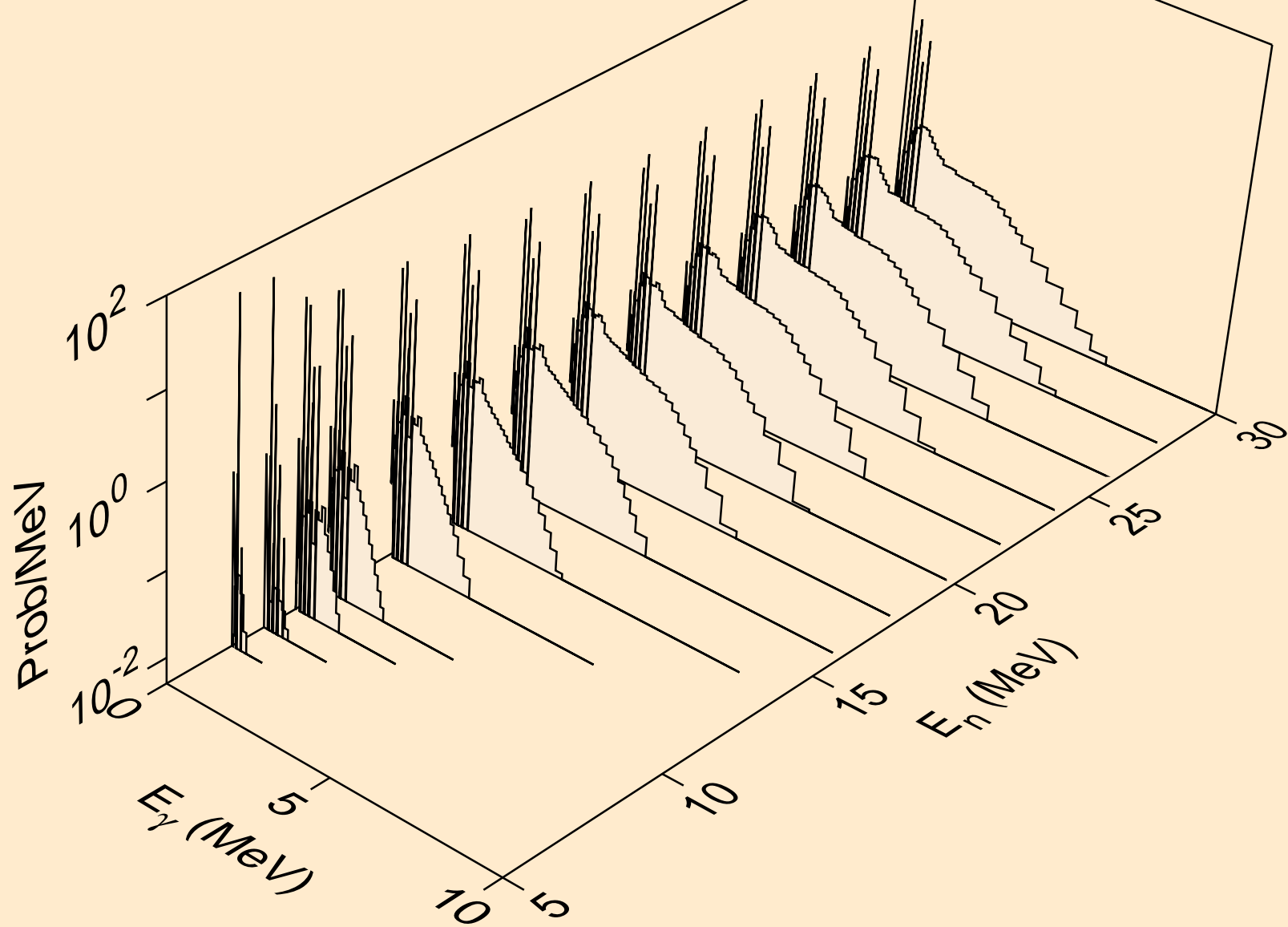
I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)3a



I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

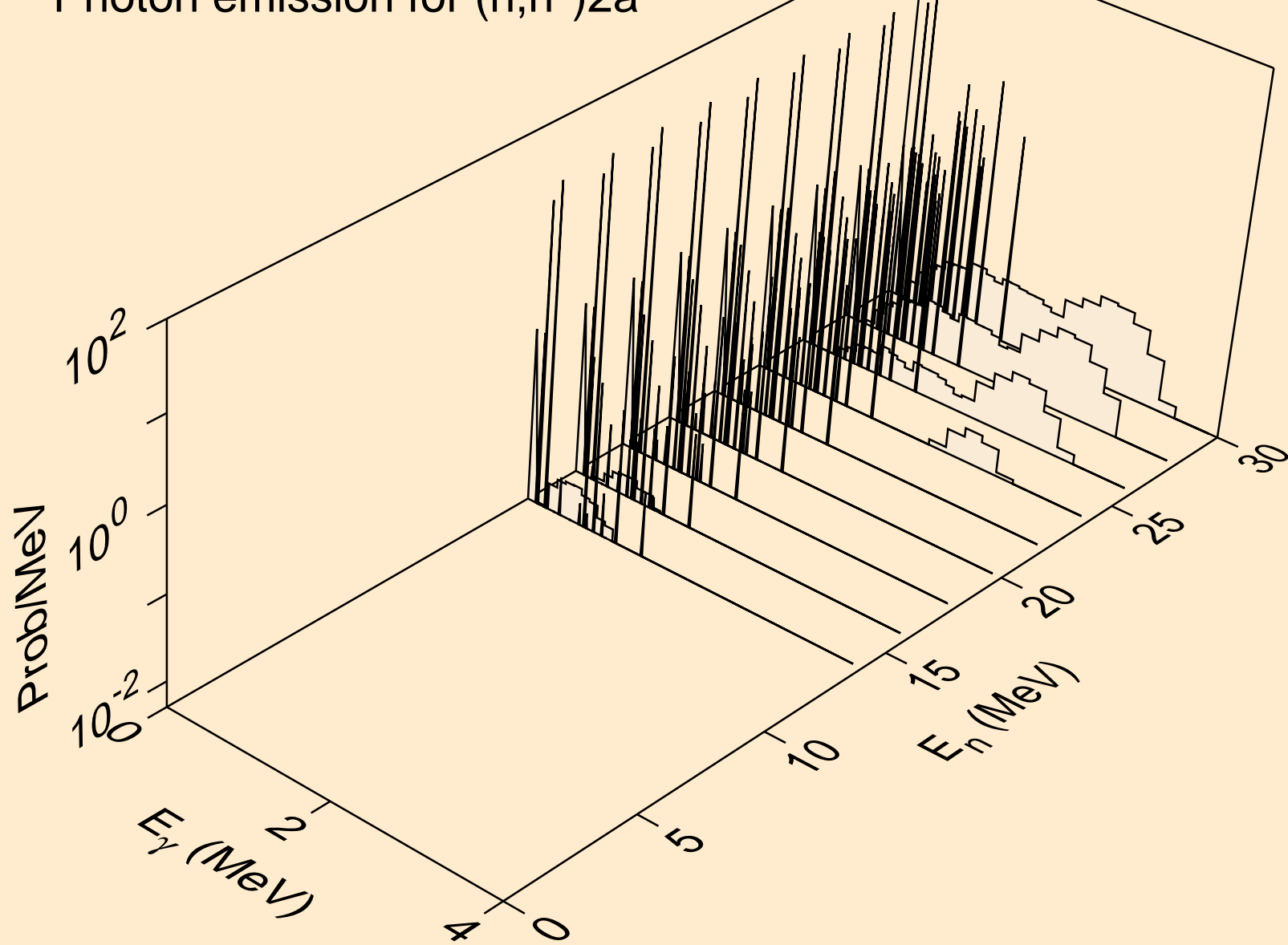


I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

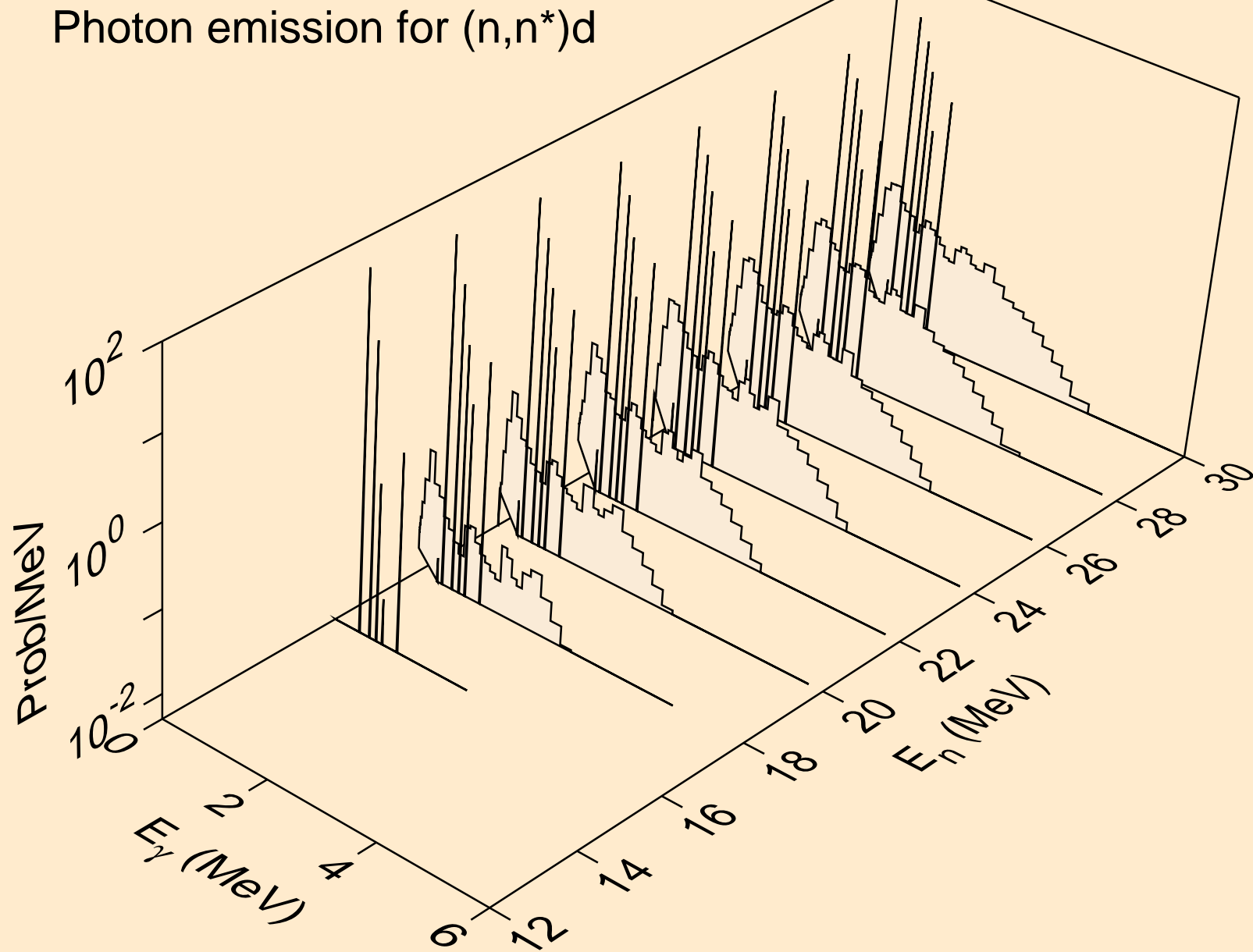




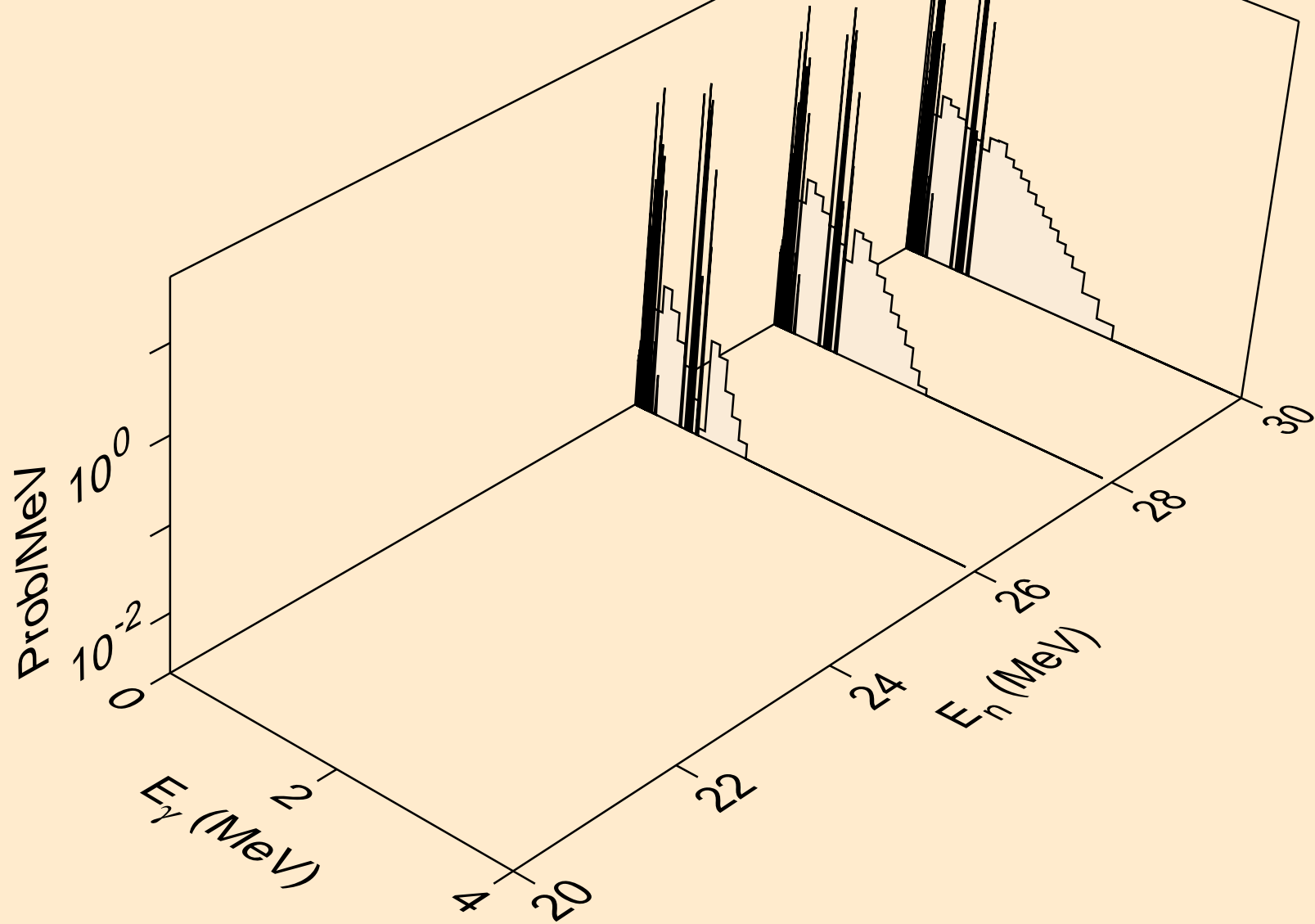
I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



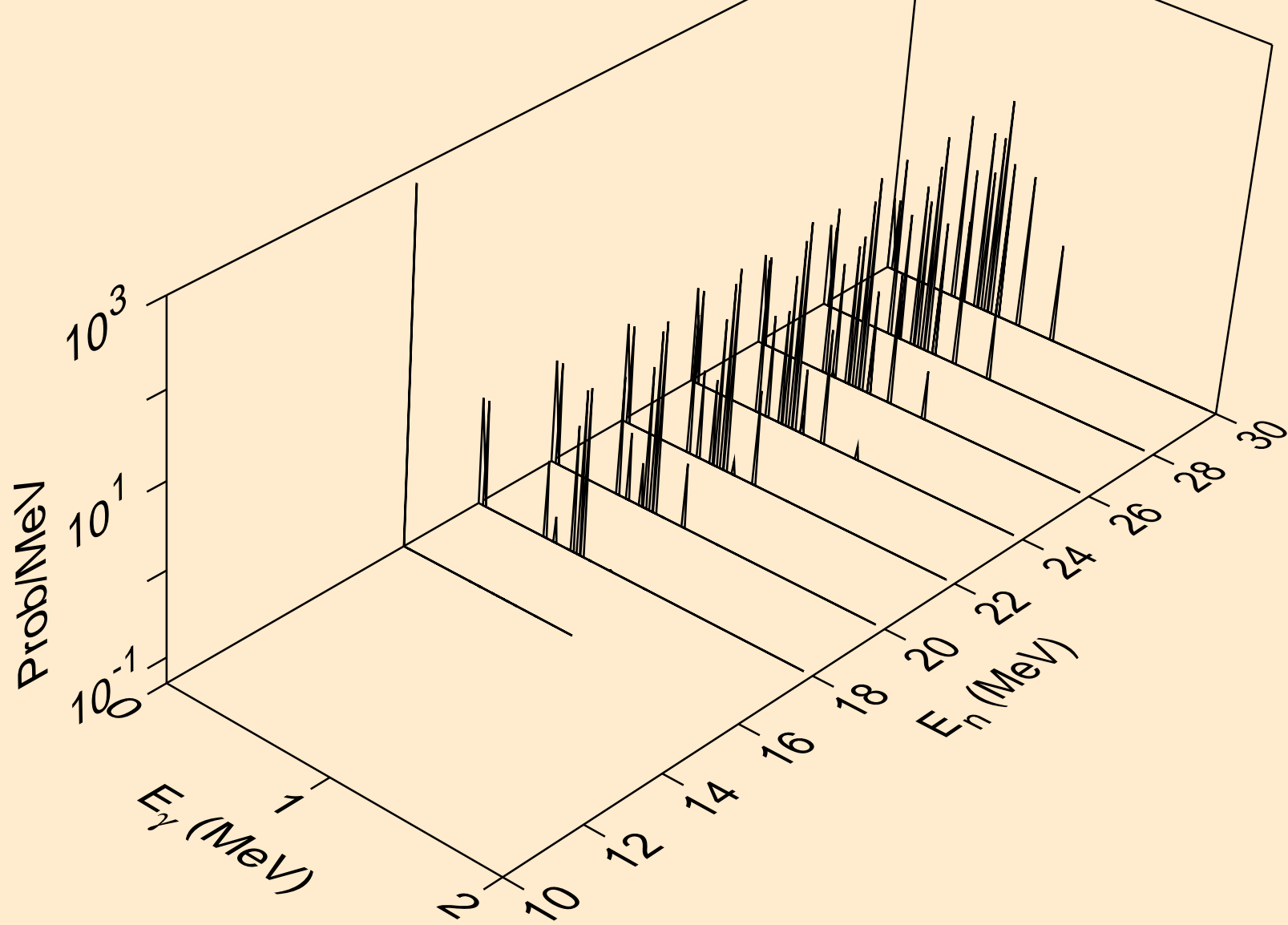
I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



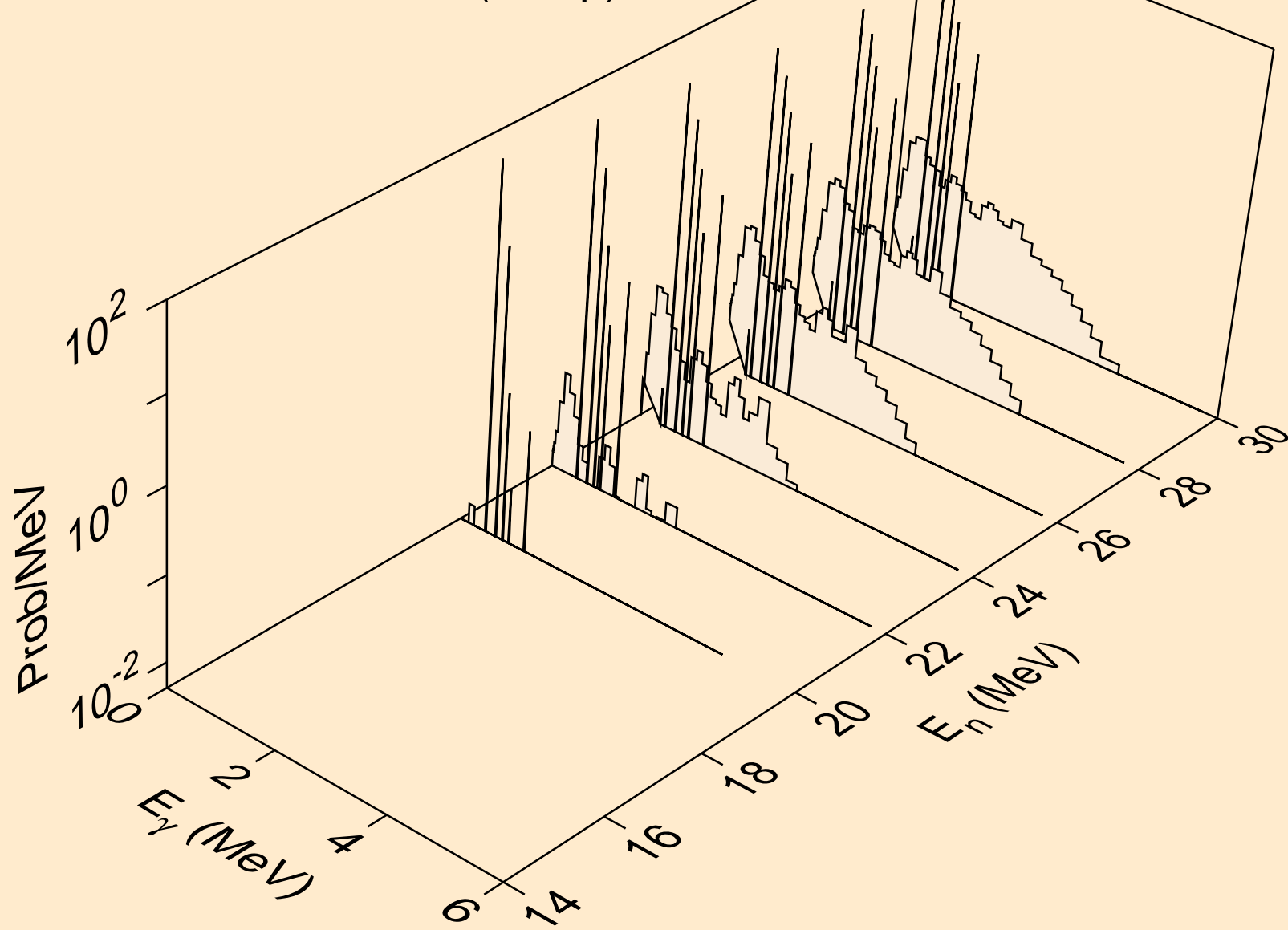
I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



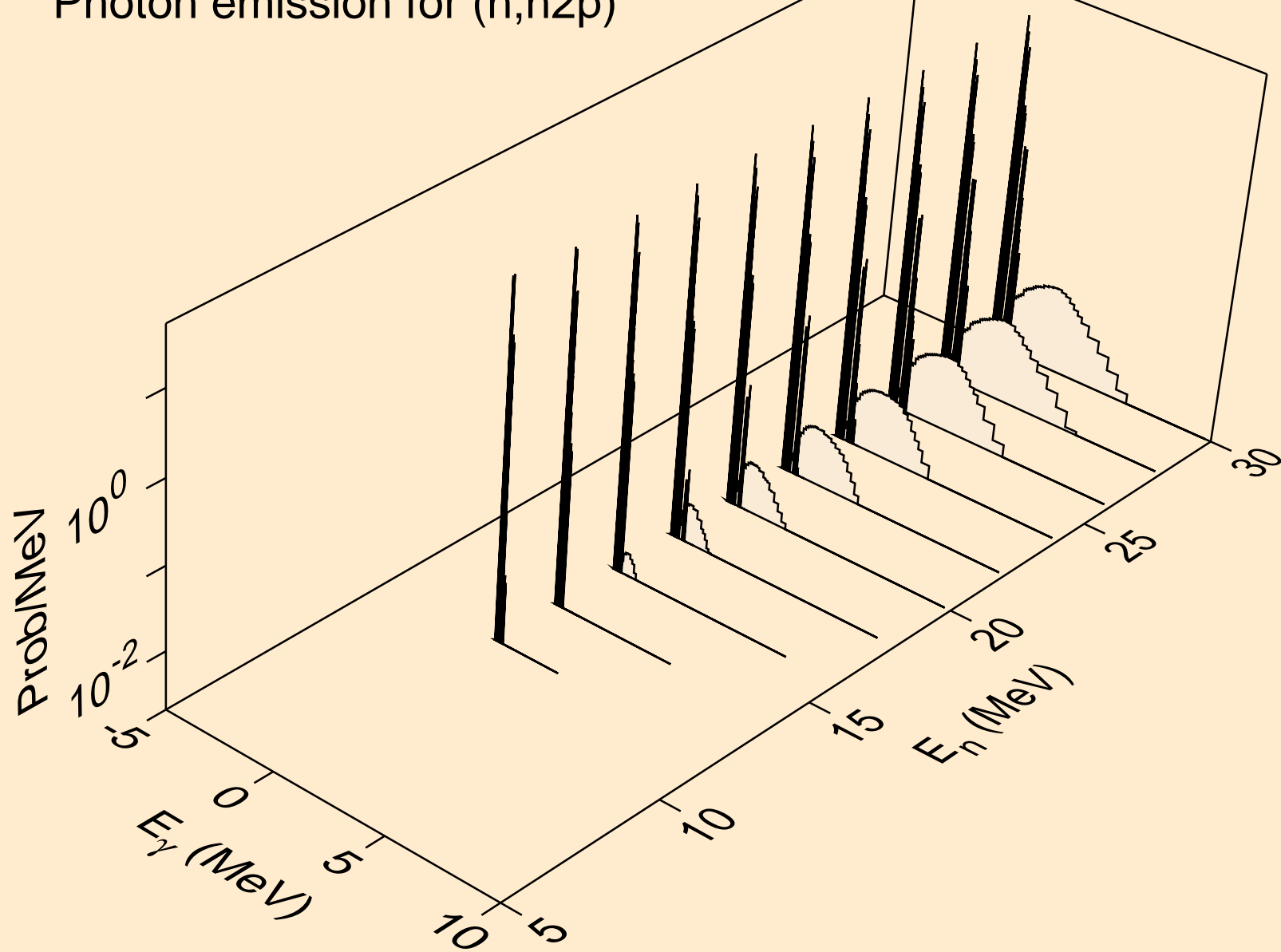
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Photon emission for (n,n\*)he3



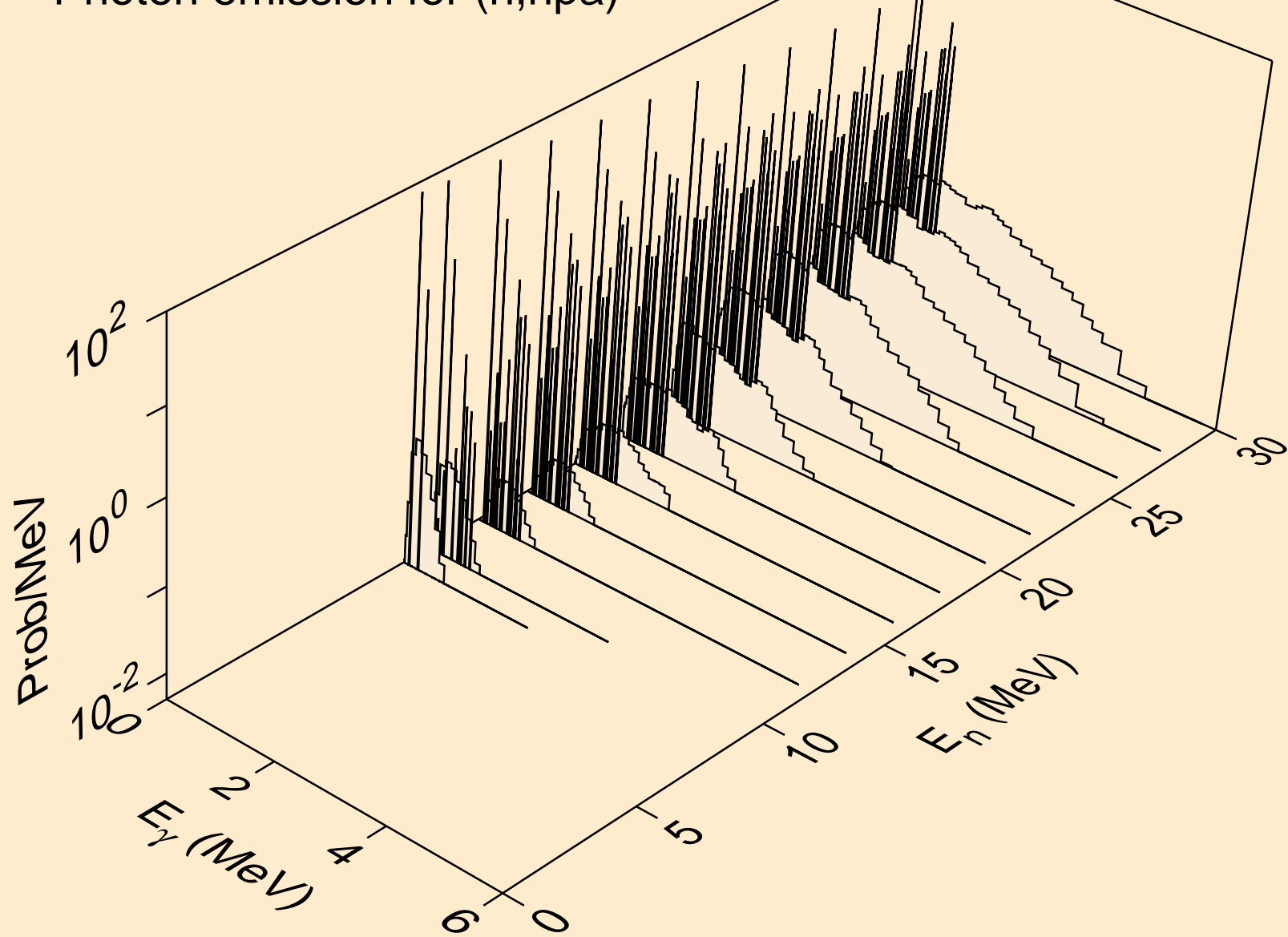
I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



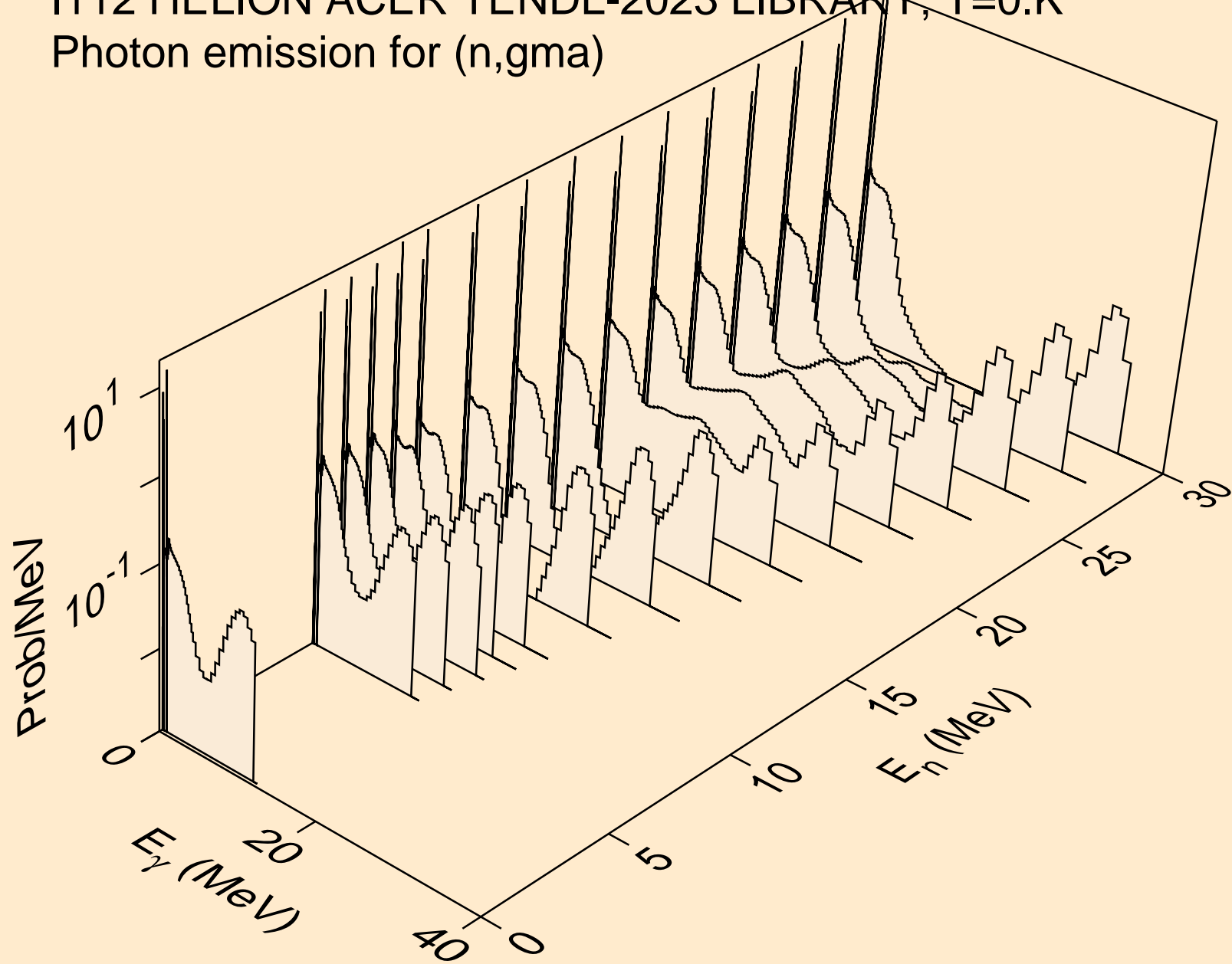
I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)

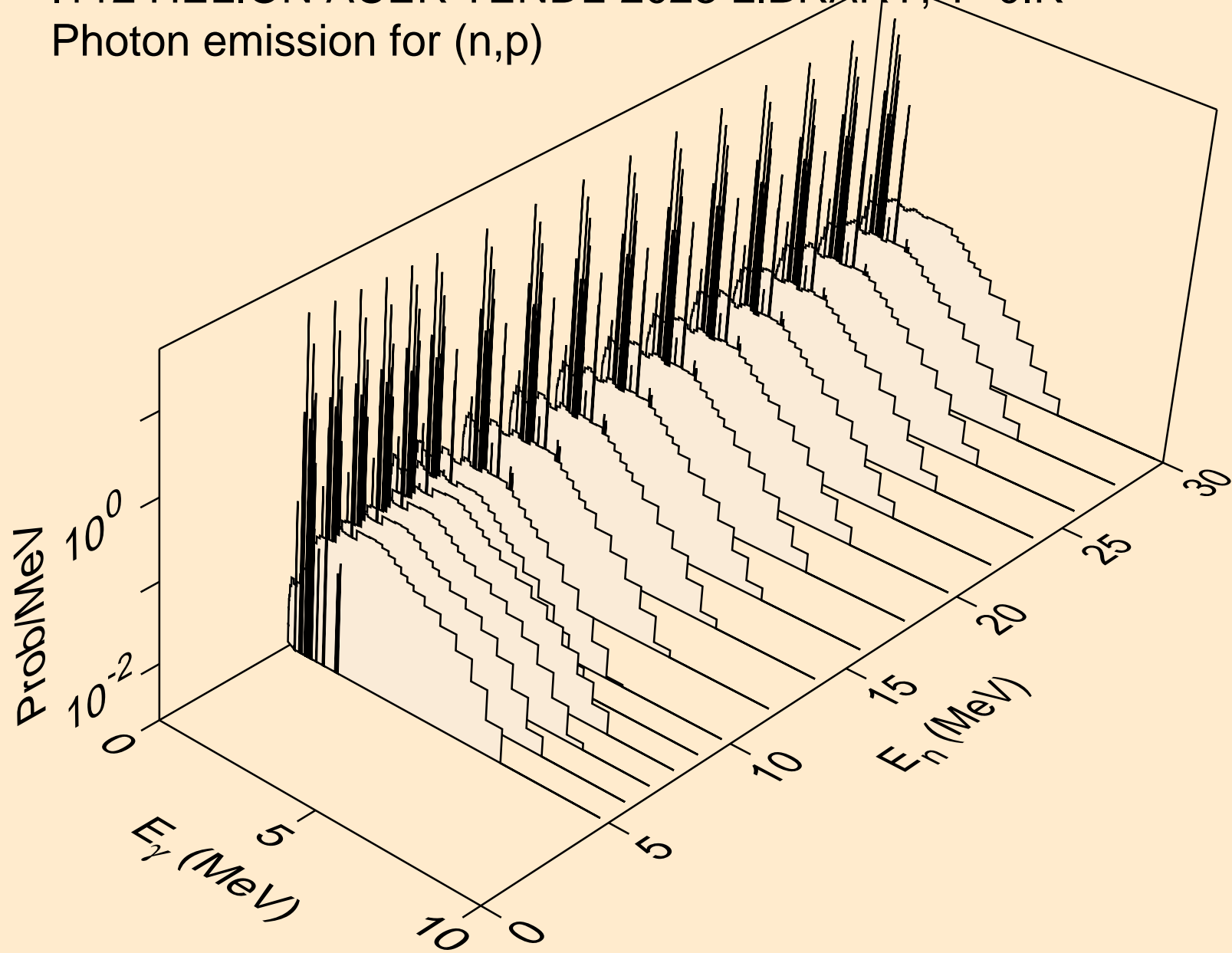


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Photon emission for (n,gma)

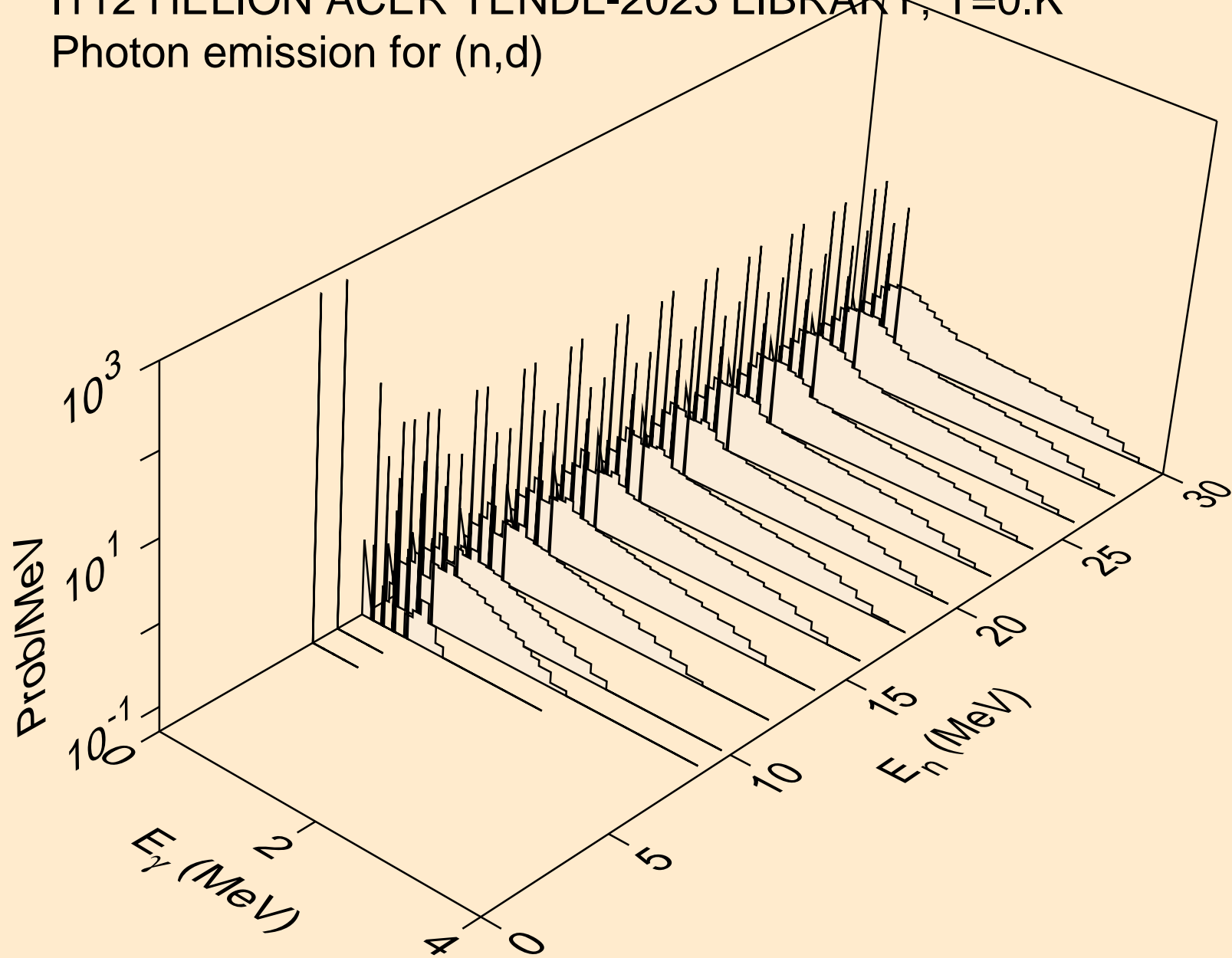




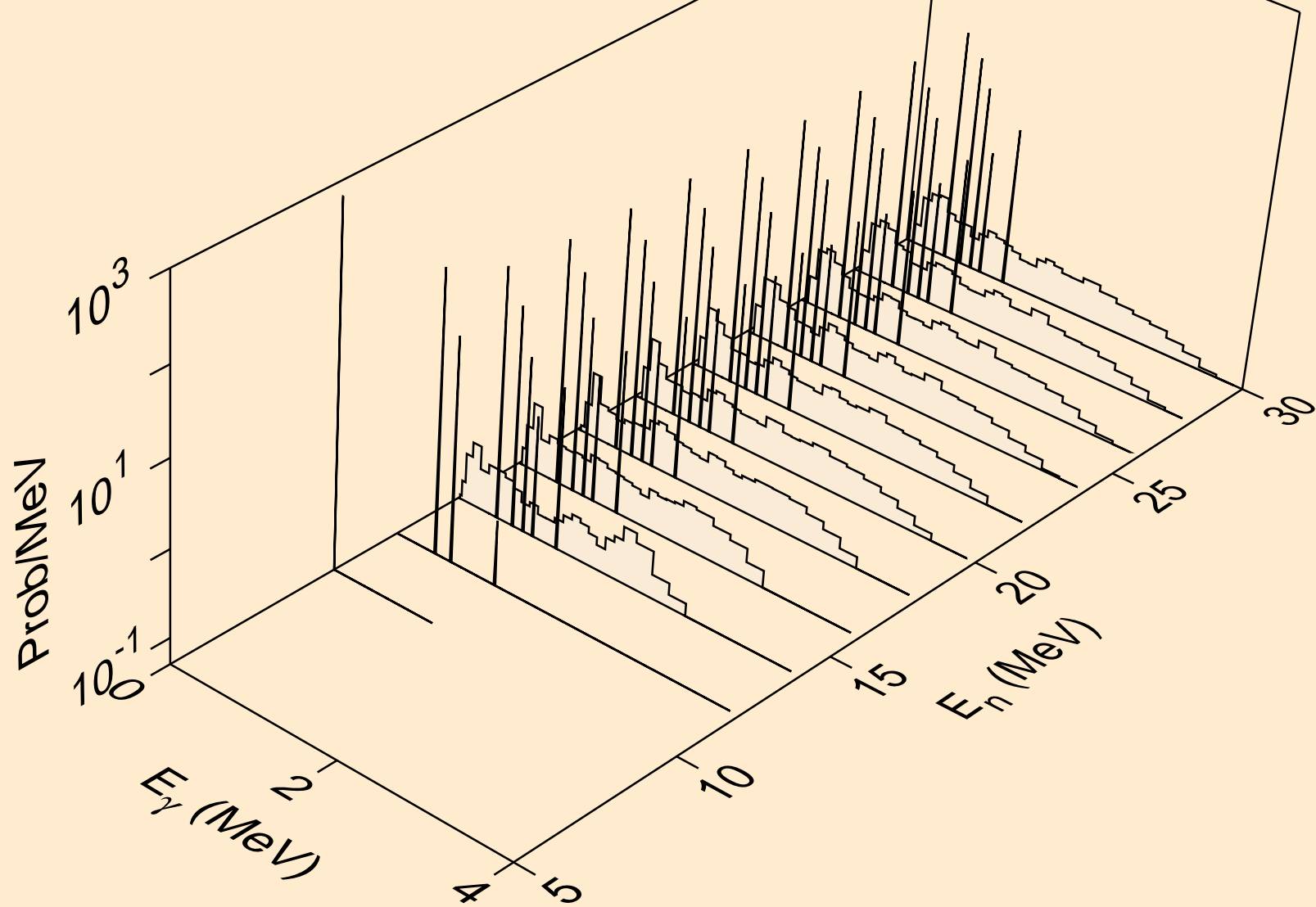
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Photon emission for (n,p)



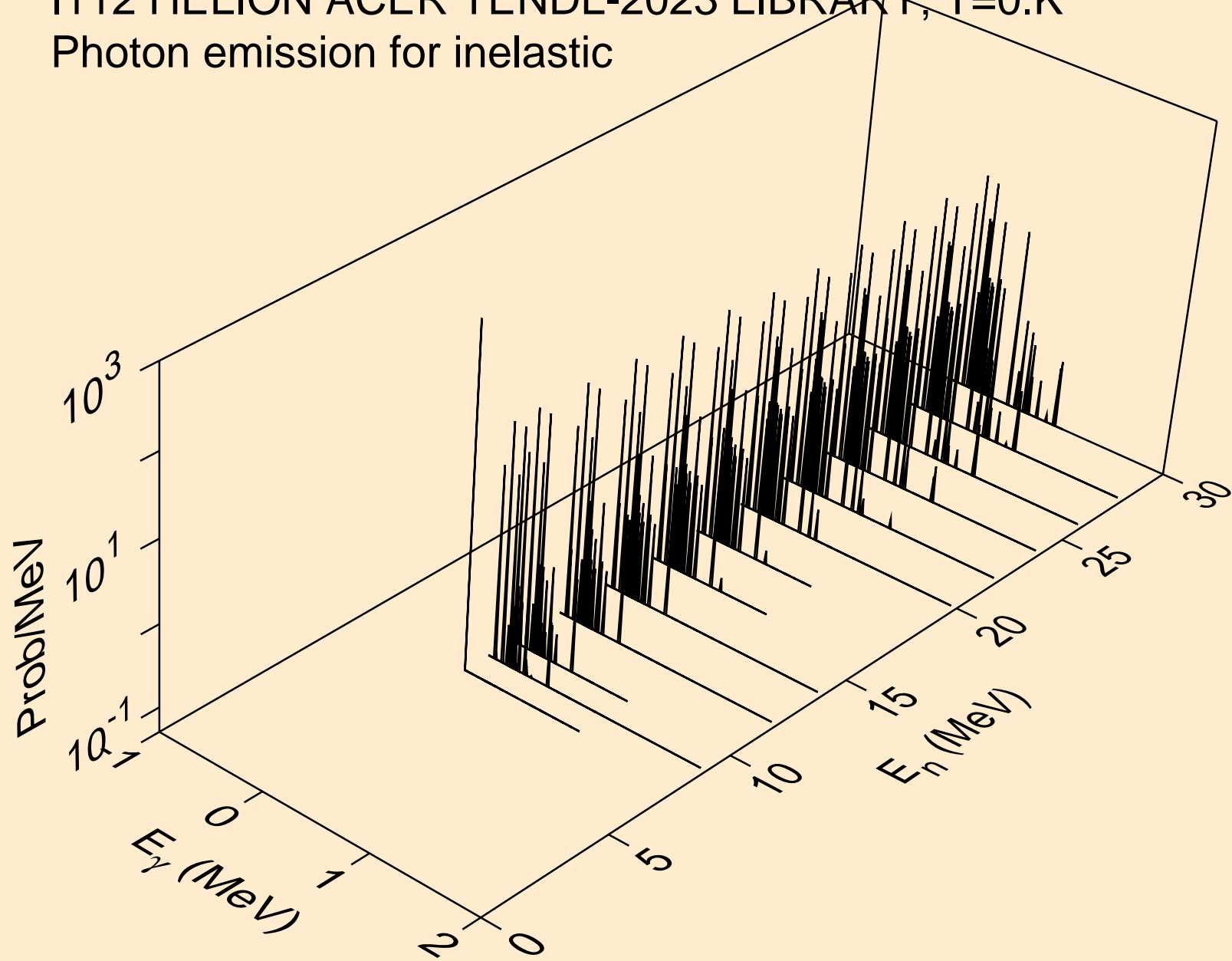
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Photon emission for (n,d)



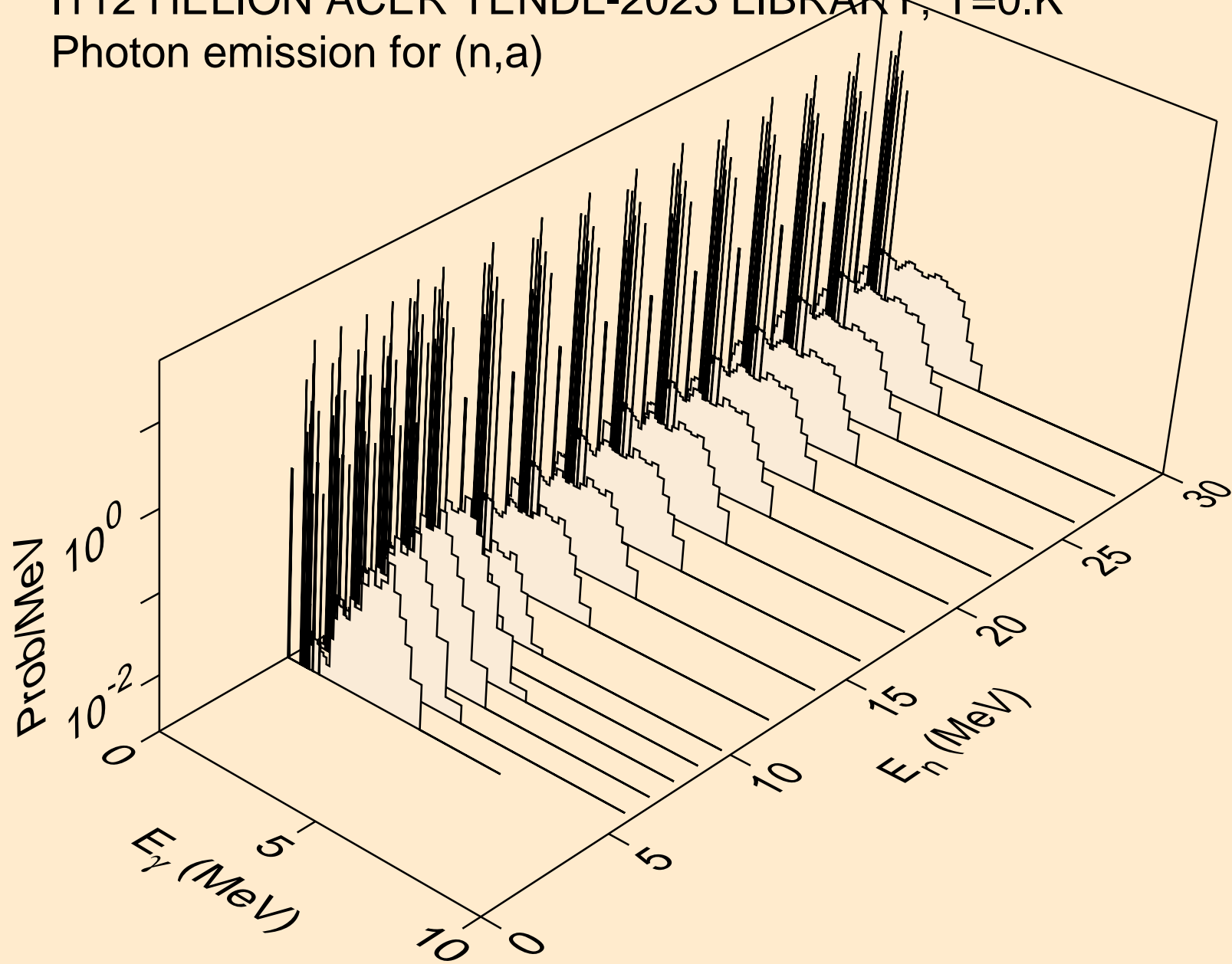
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Photon emission for (n,t)



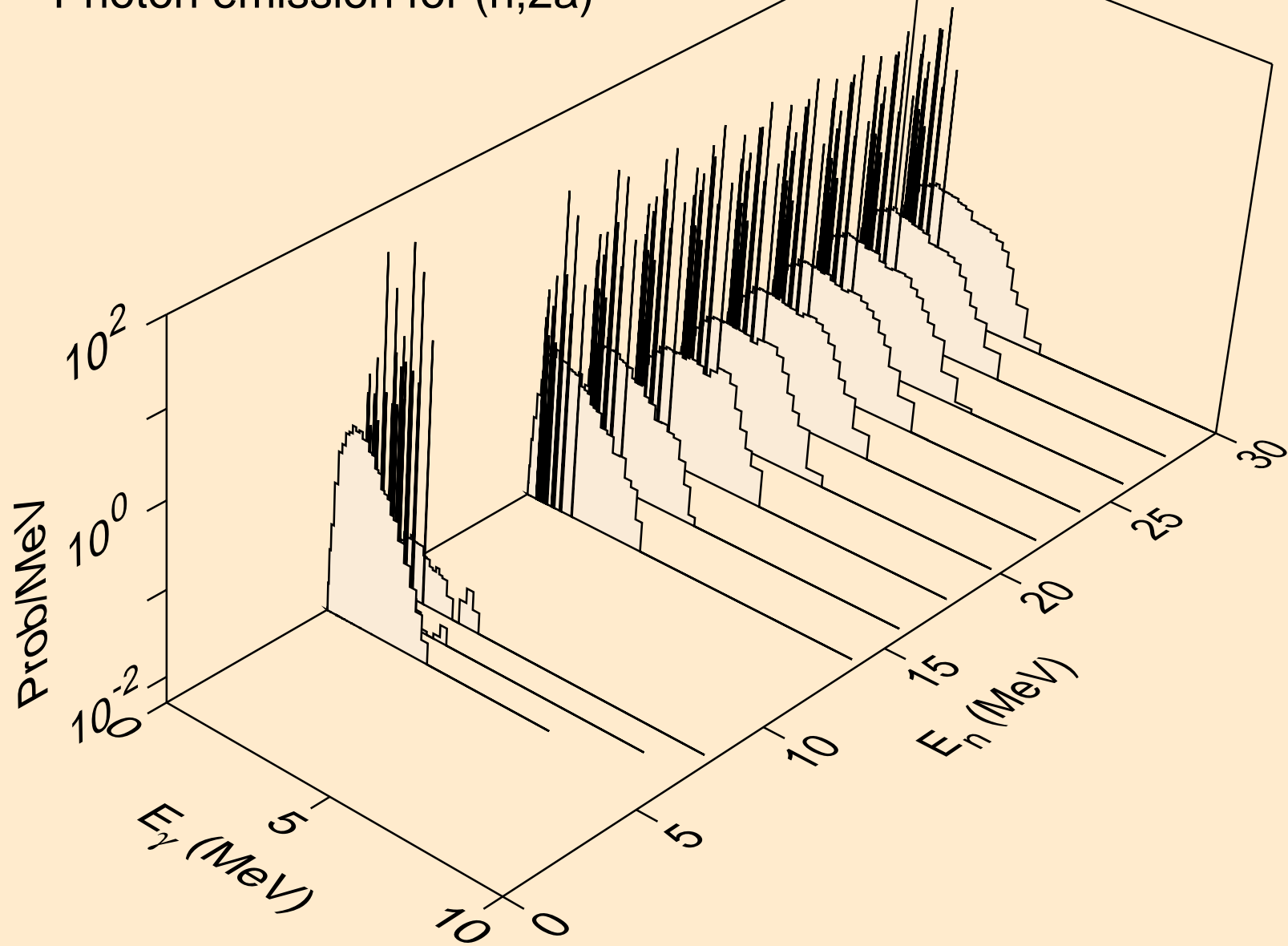
I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



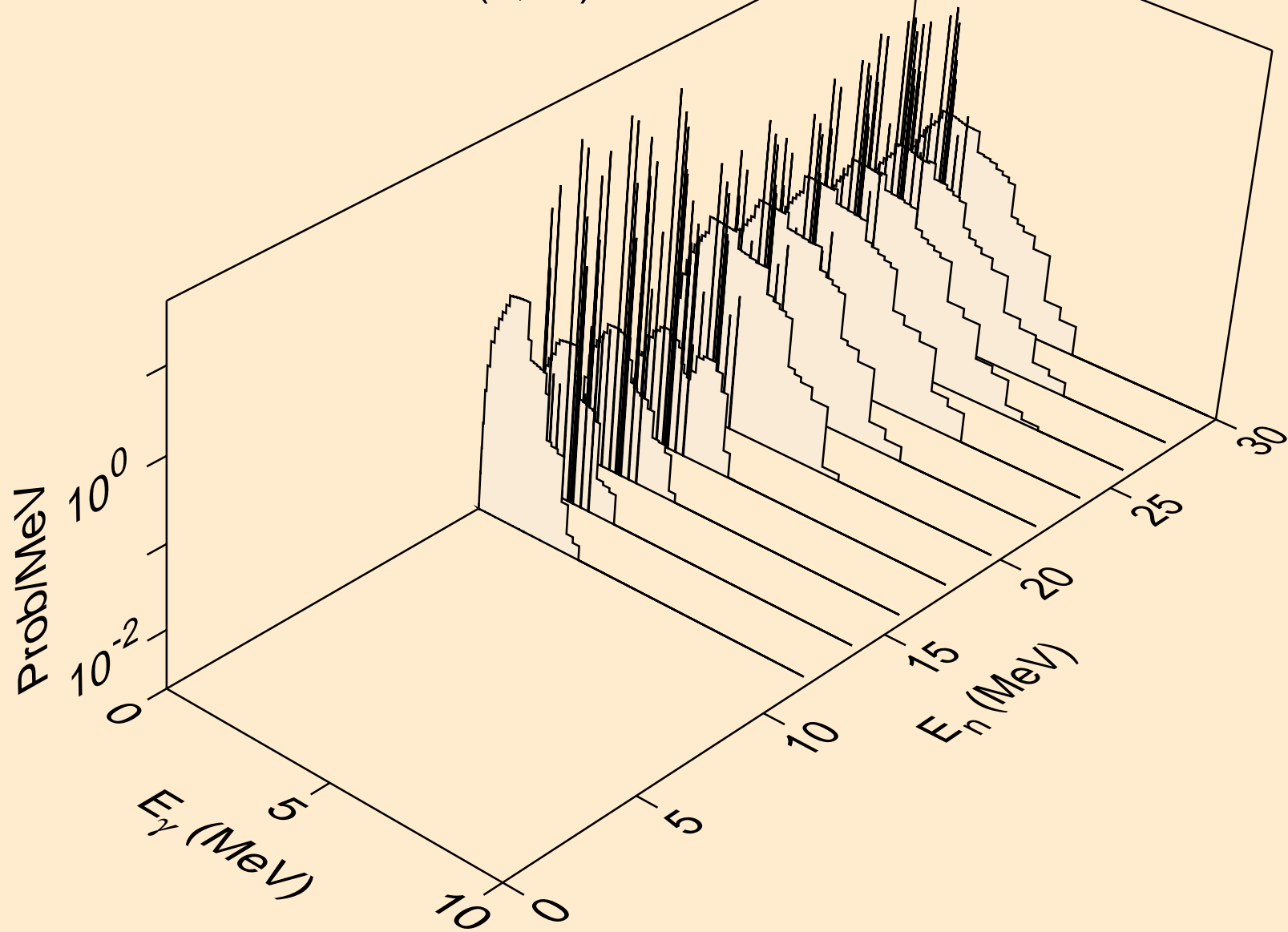
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Photon emission for (n,a)



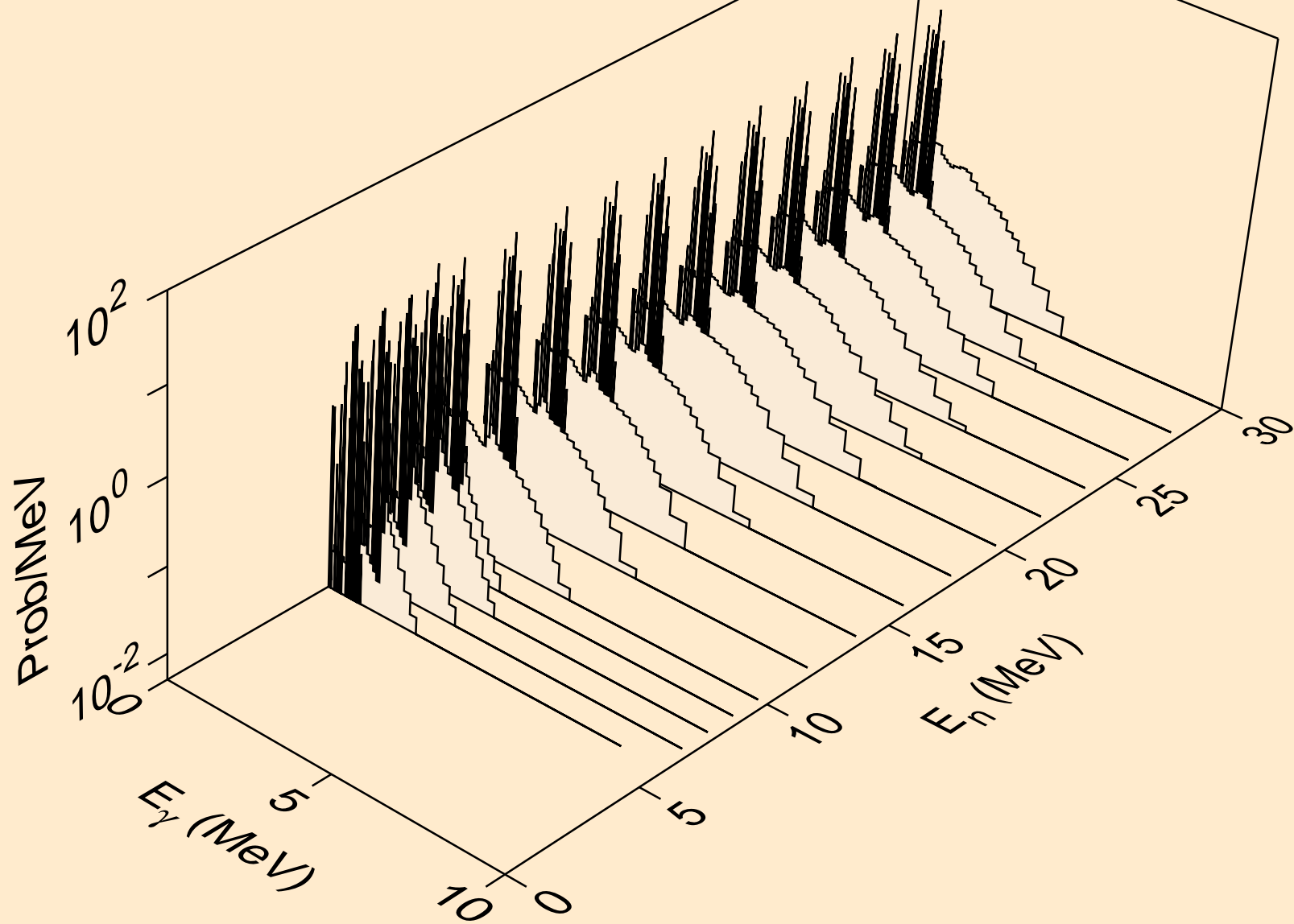
I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3a)

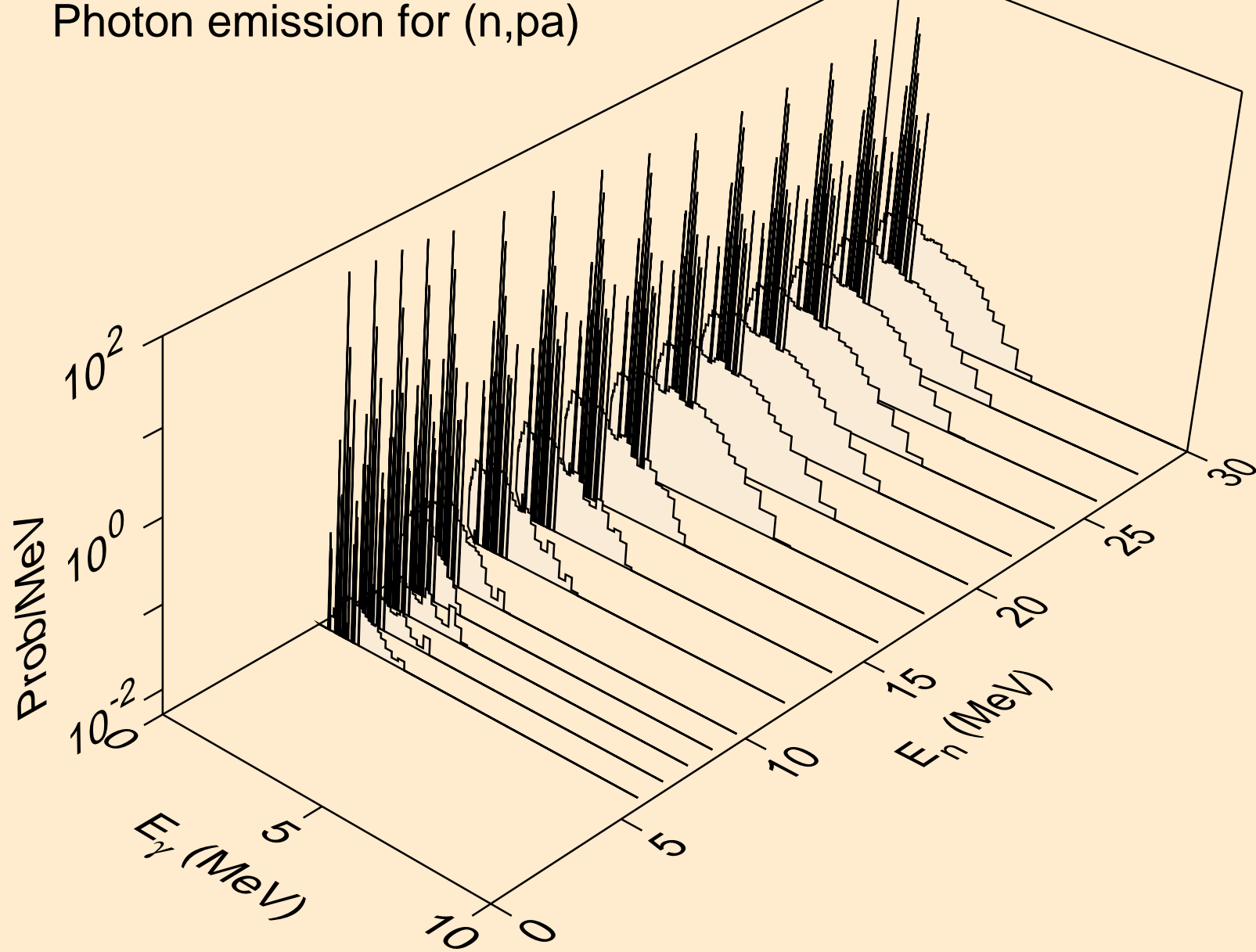


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Photon emission for (n,2p)

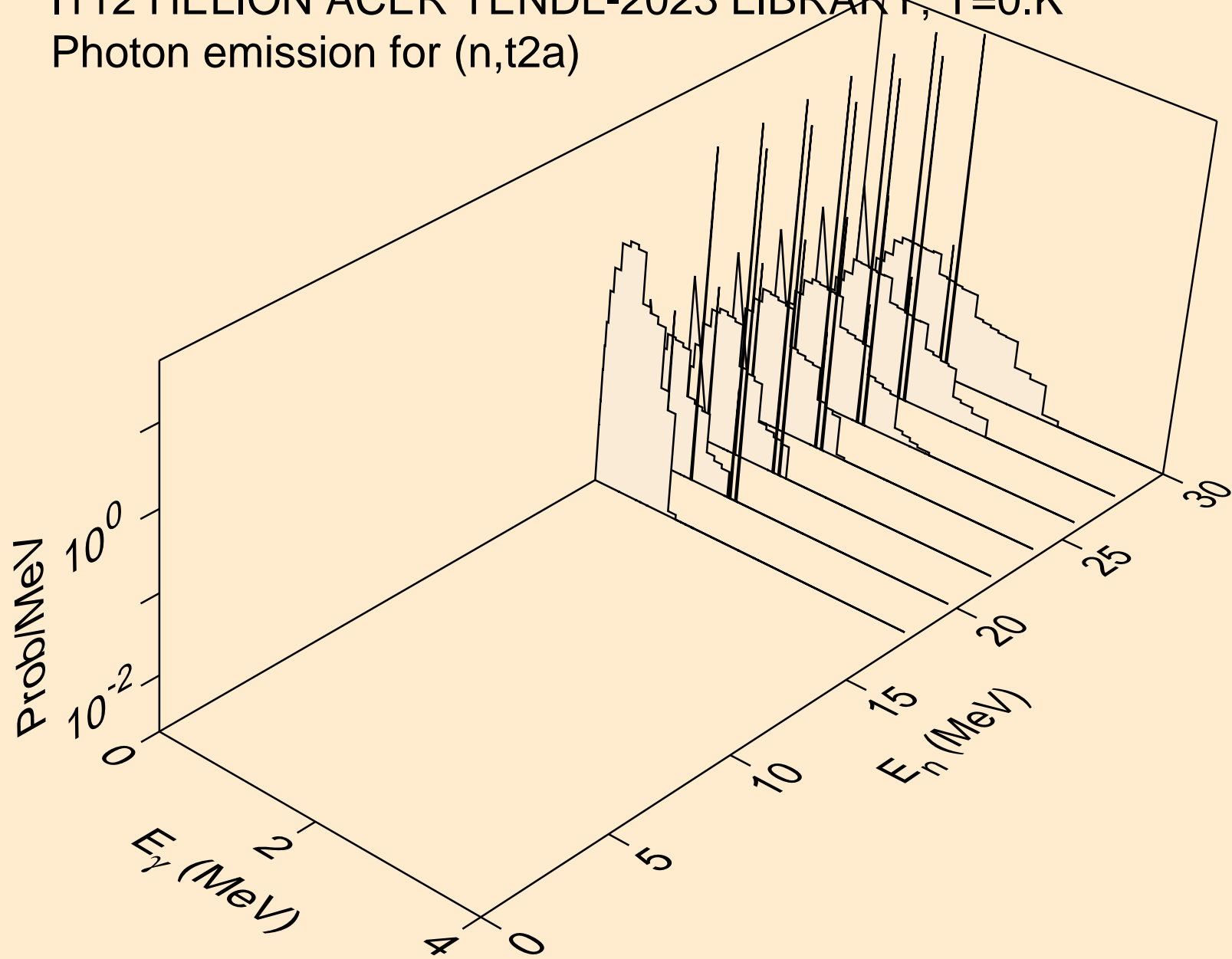




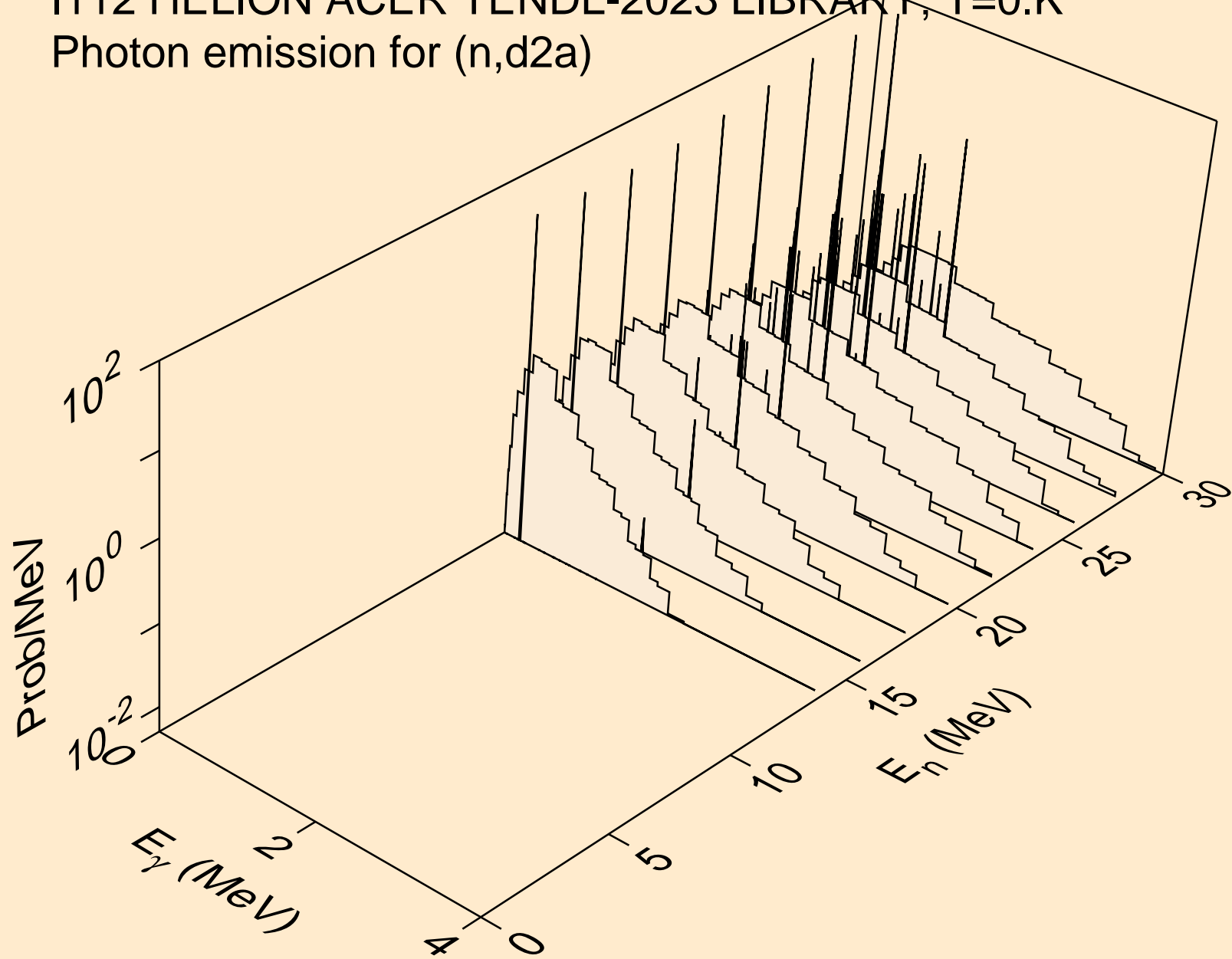
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Photon emission for (n,pa)



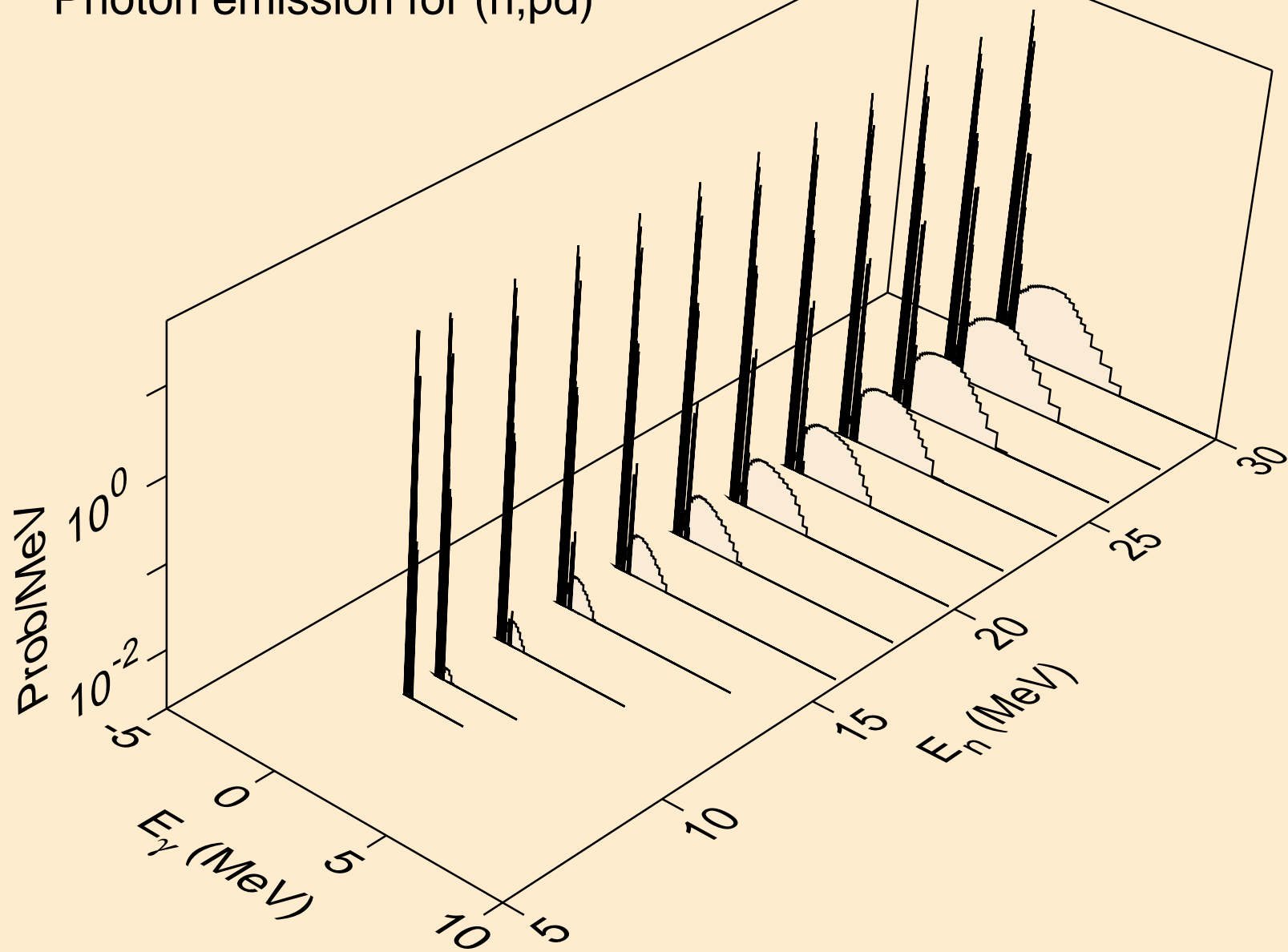
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Photon emission for (n,t2a)



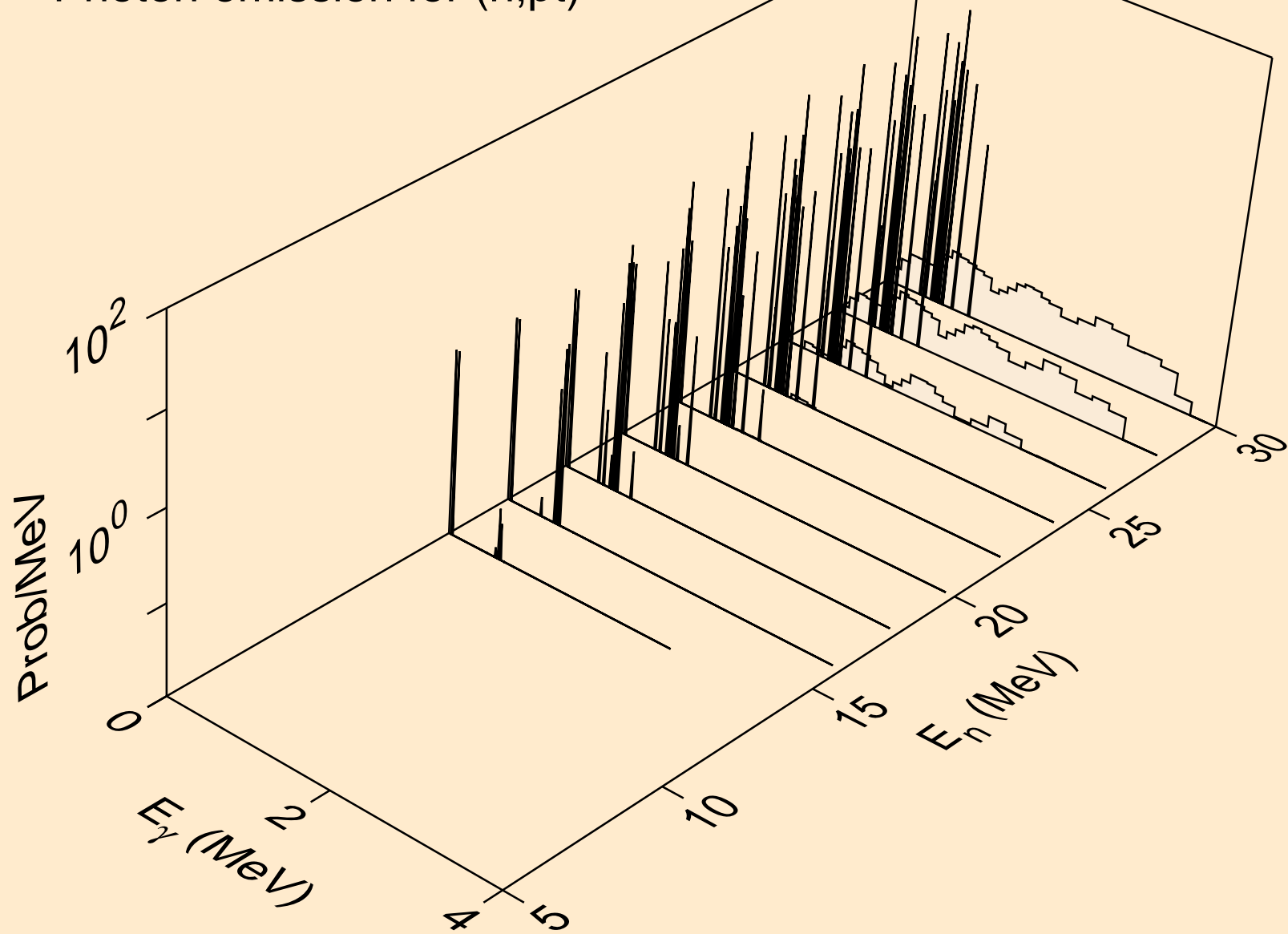
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Photon emission for (n,d2a)



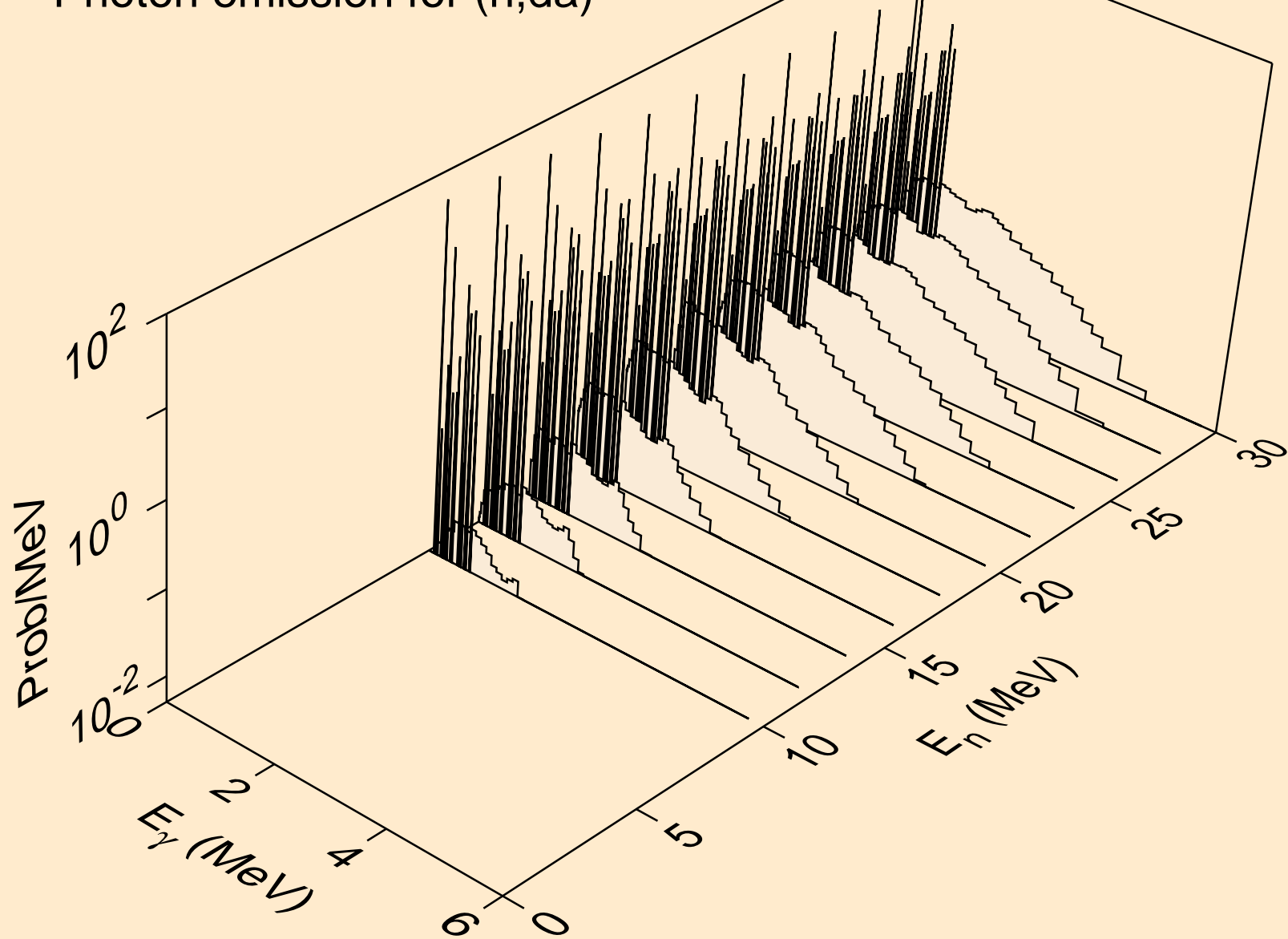
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Photon emission for (n,pd)



I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

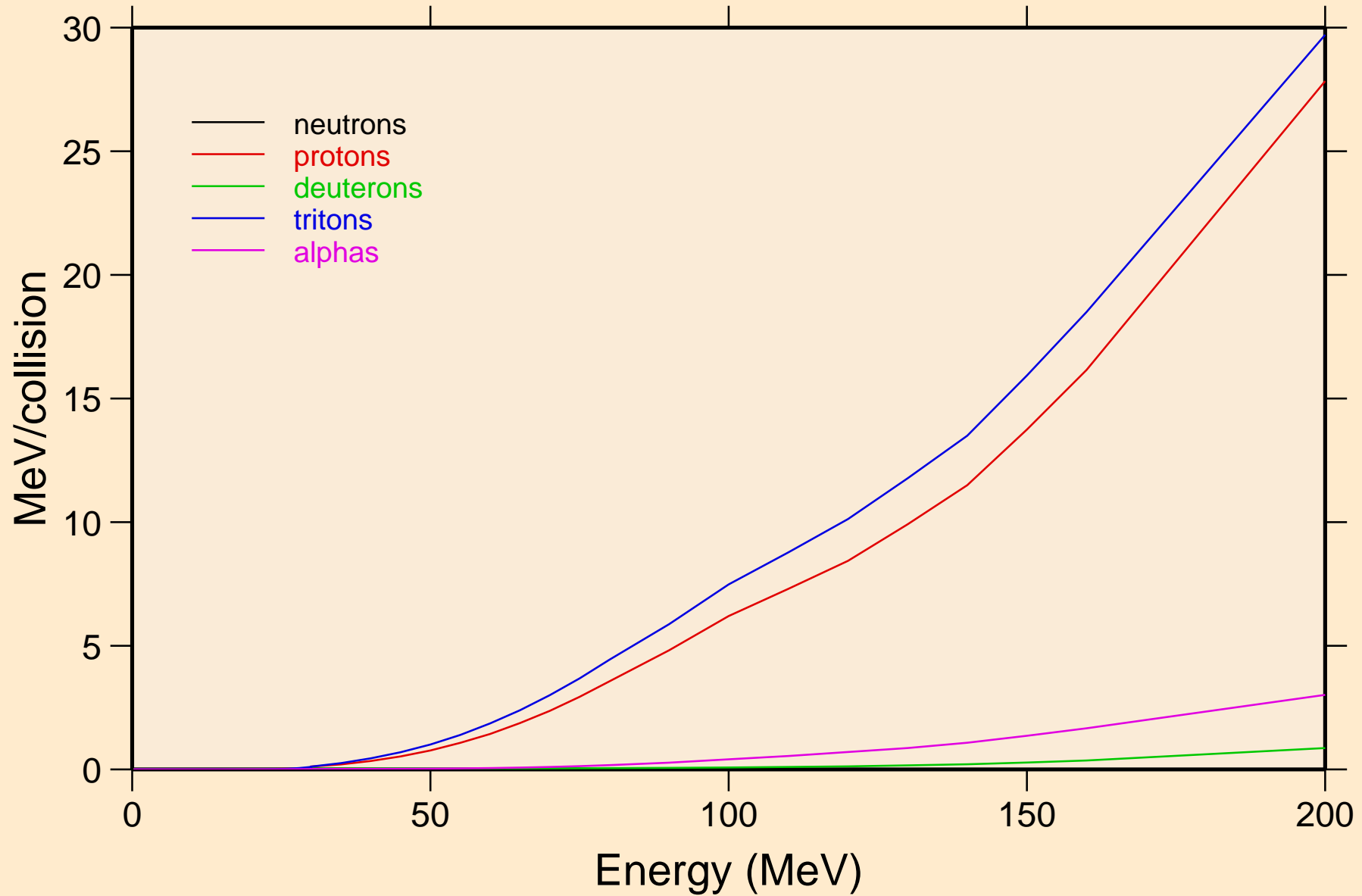


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Photon emission for (n,da)



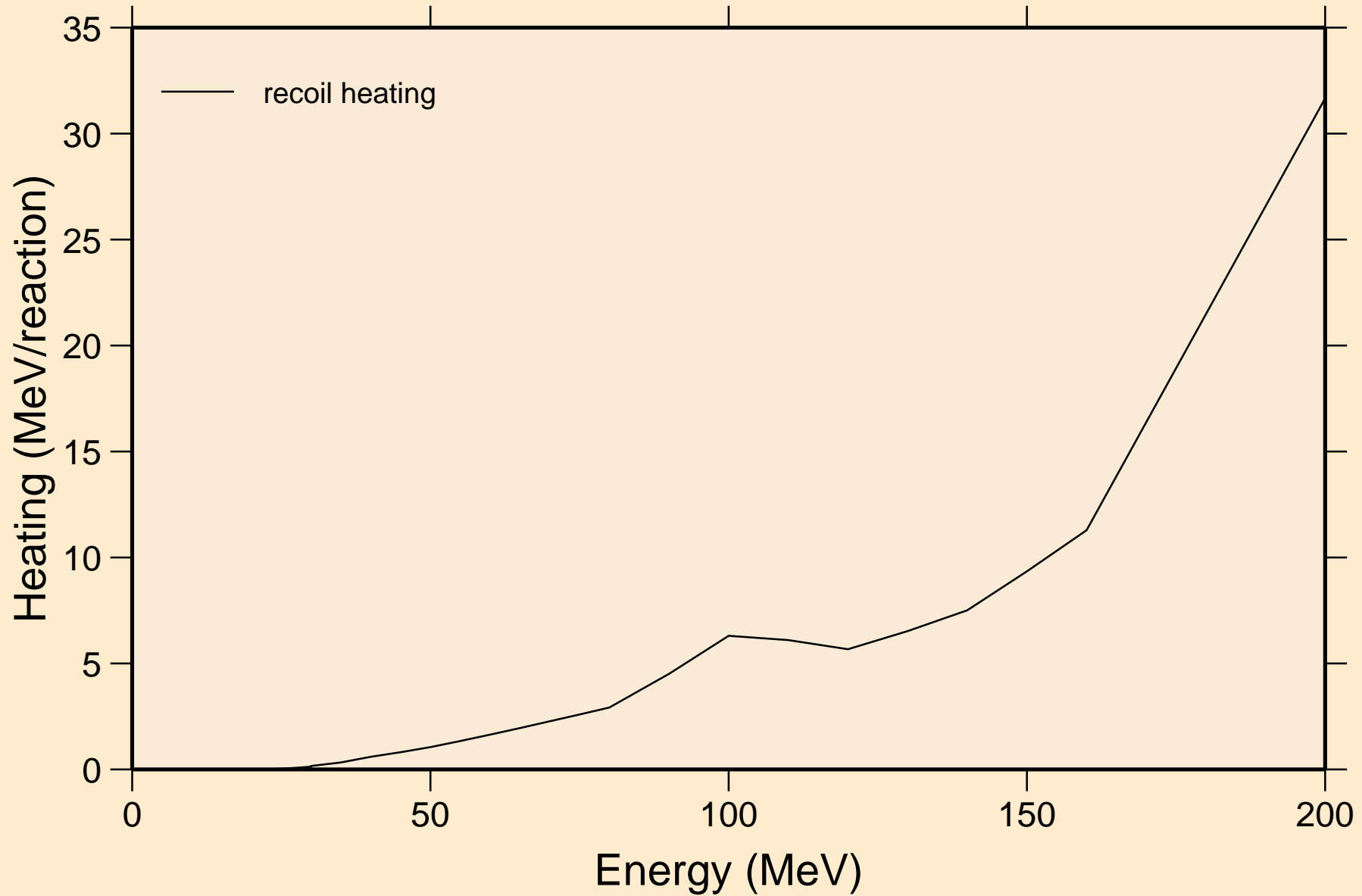
# I112 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions



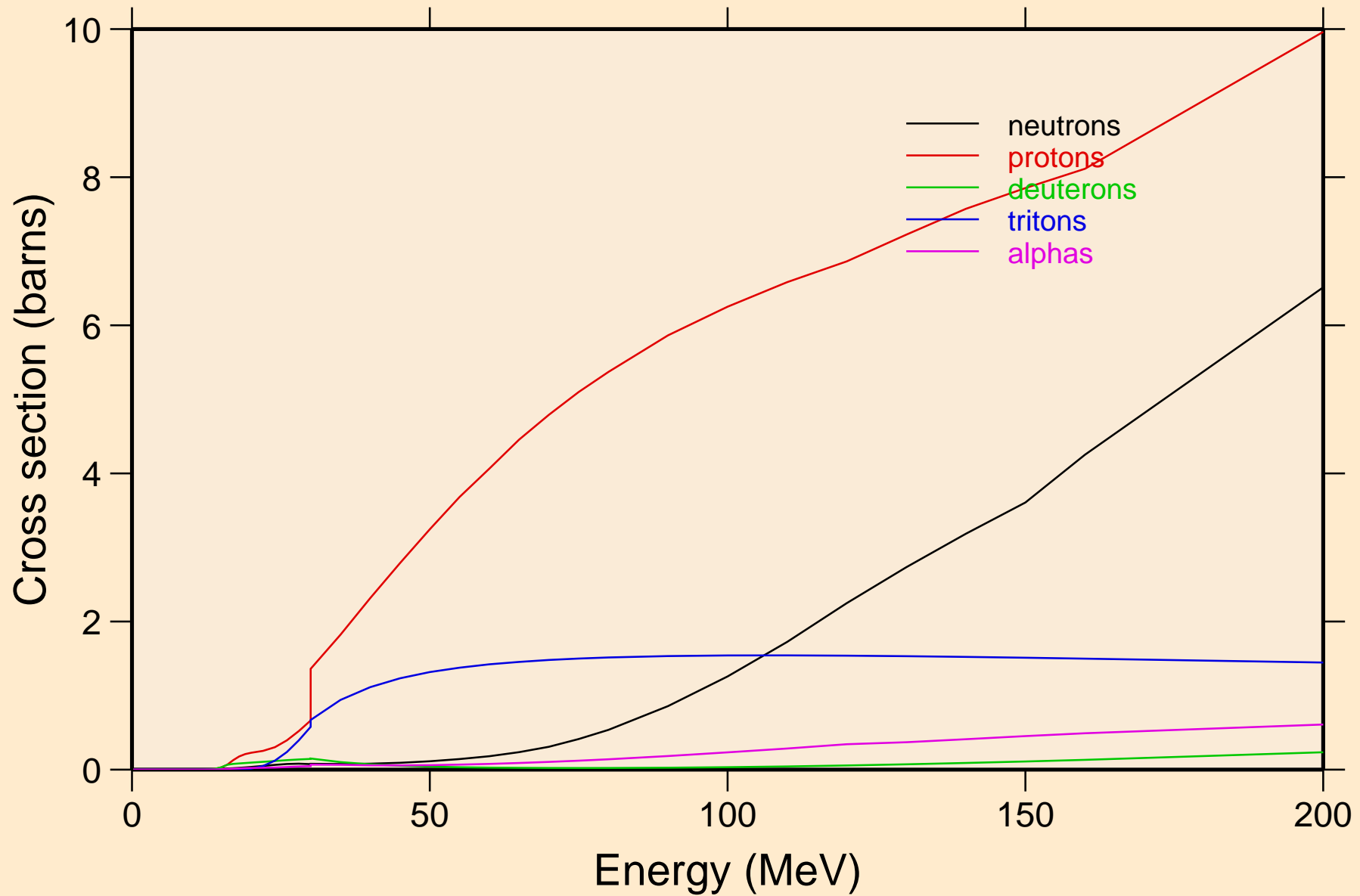
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Recoil Heating

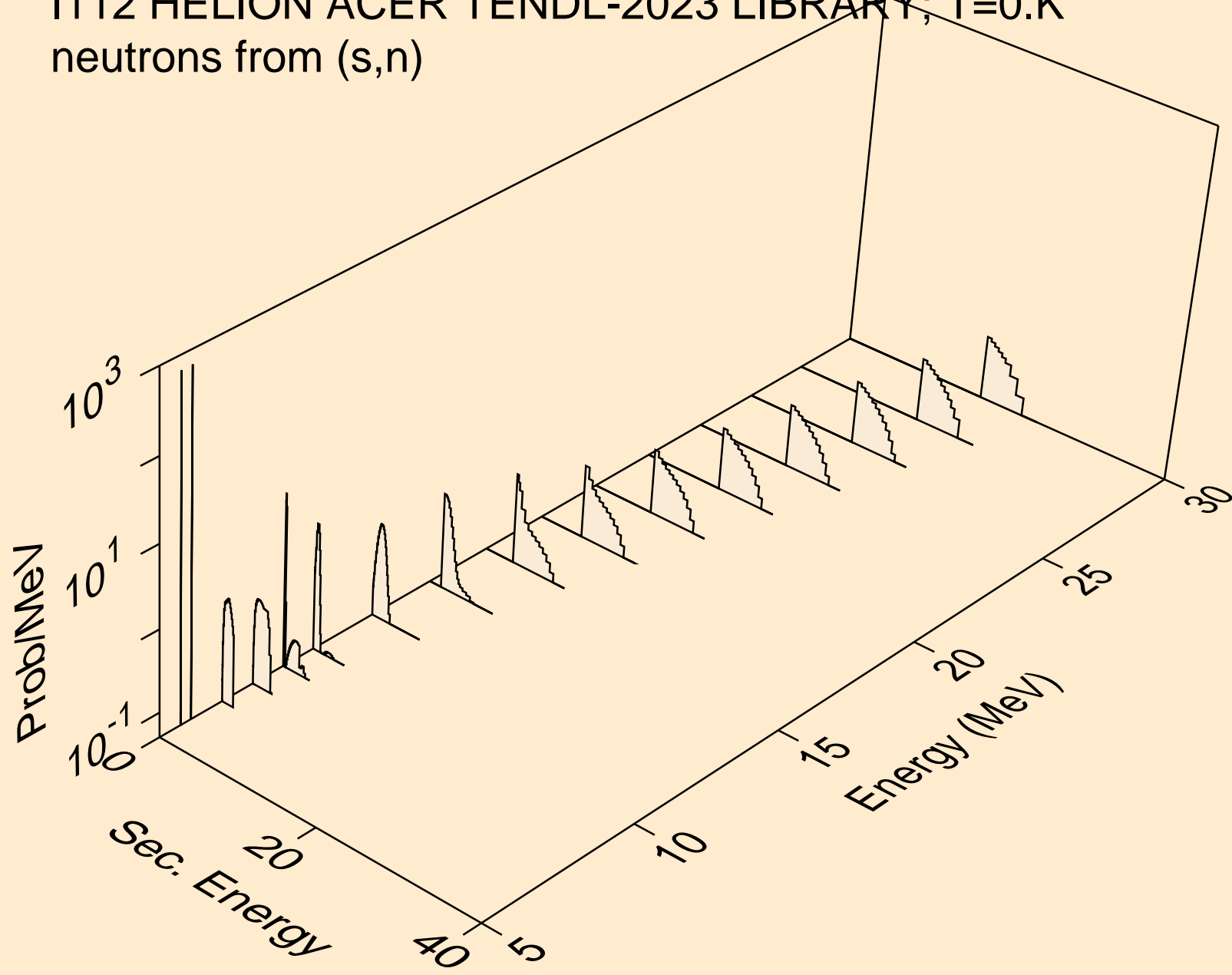




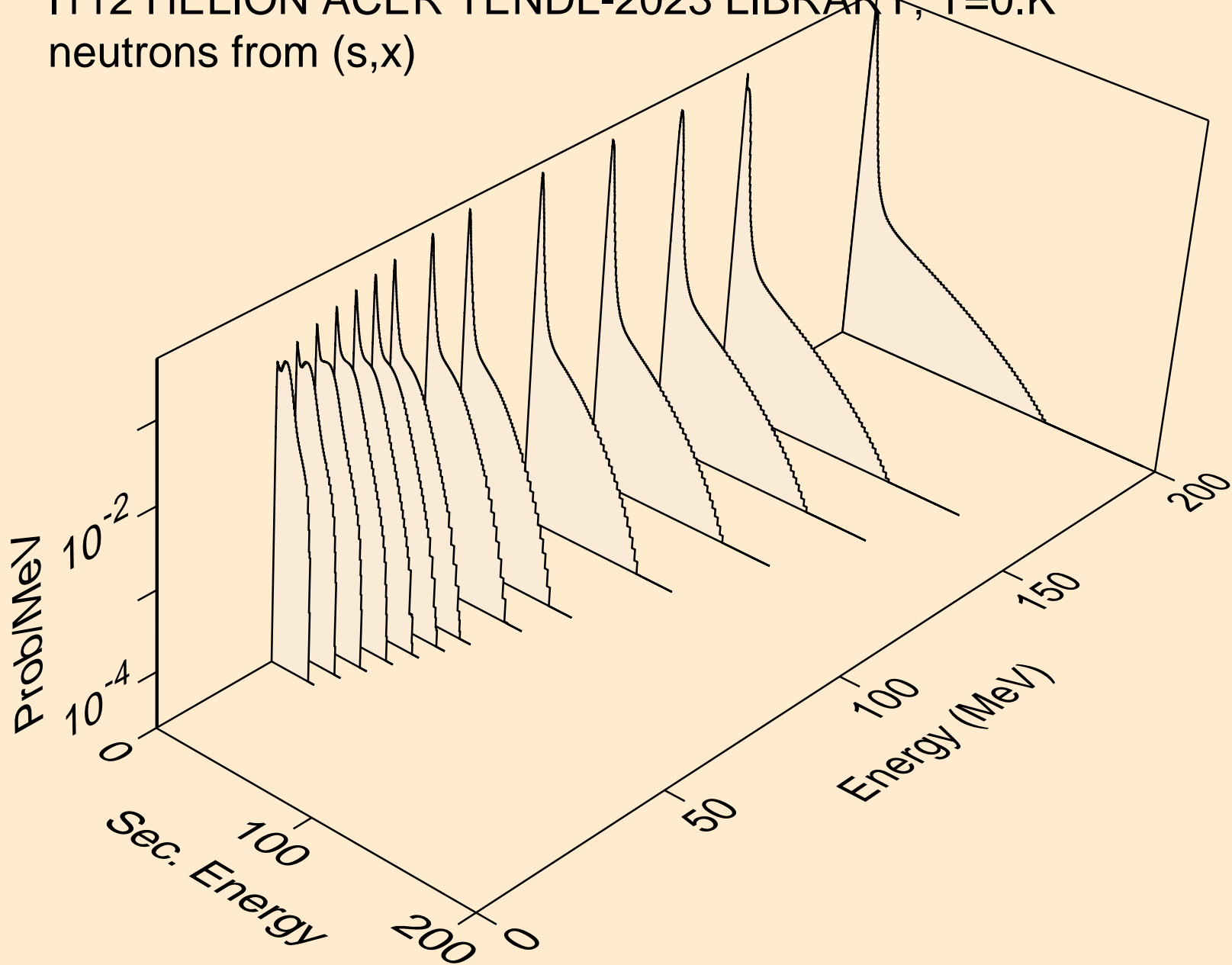
I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



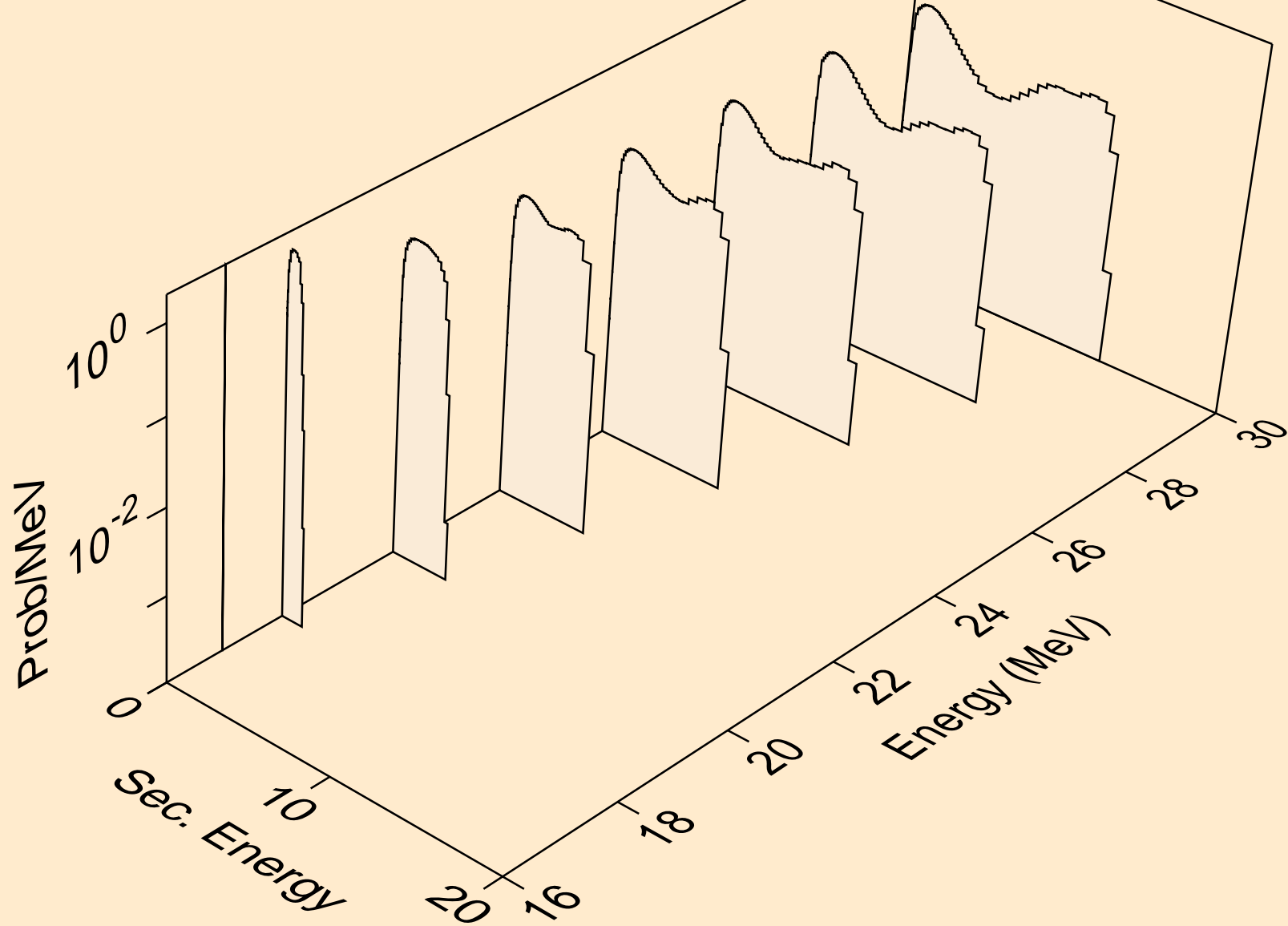
I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



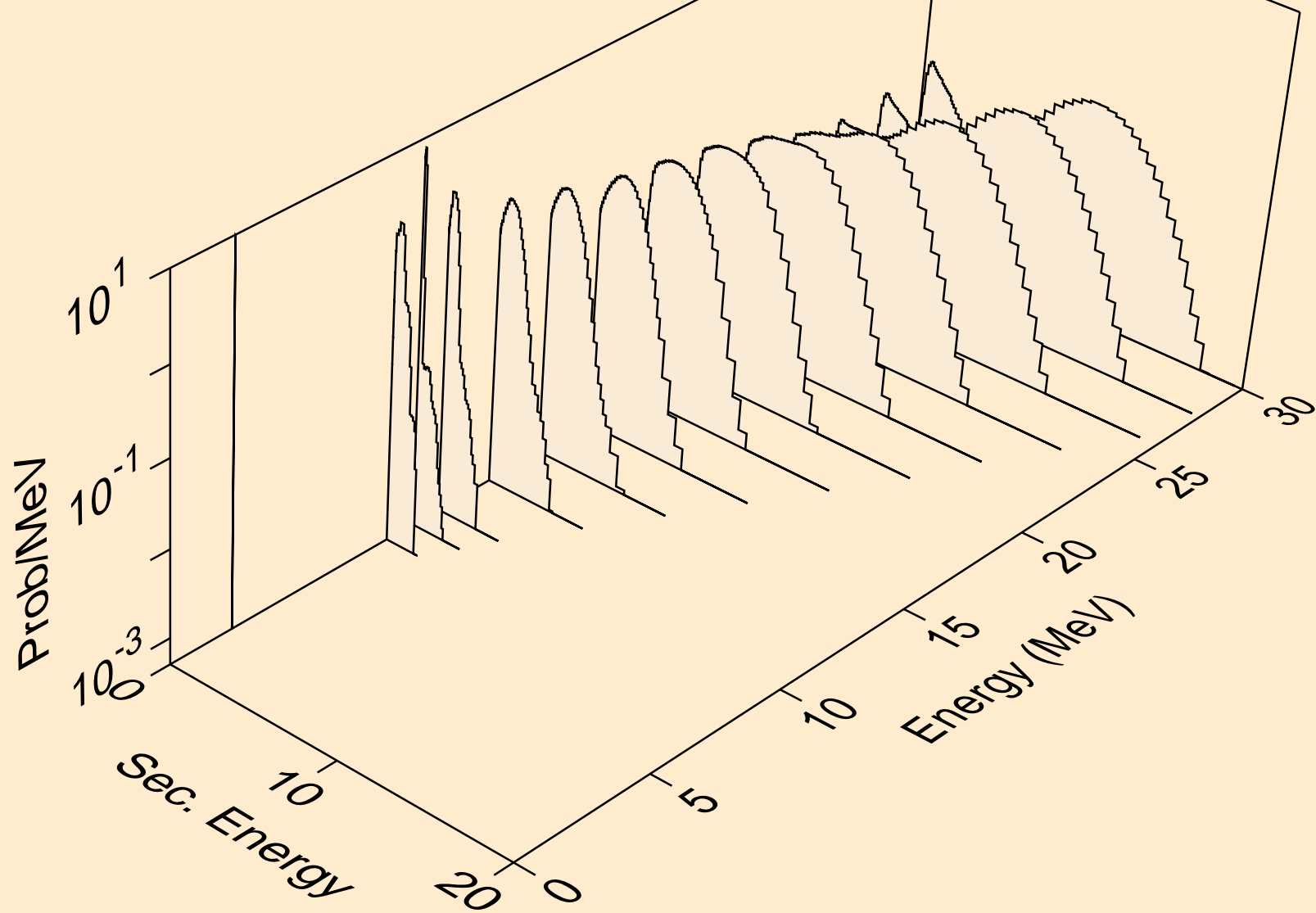
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neutrons from (s,x)



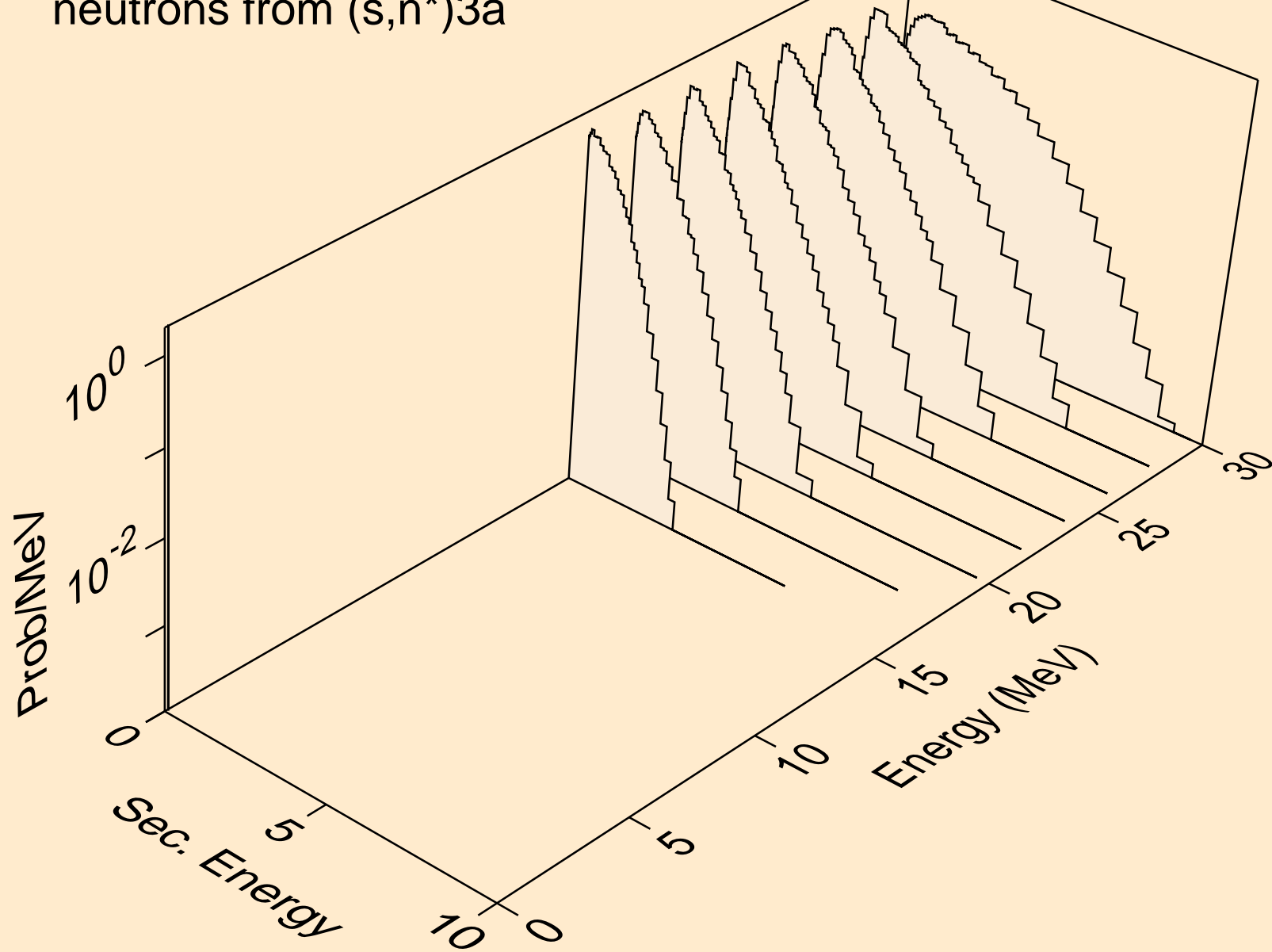
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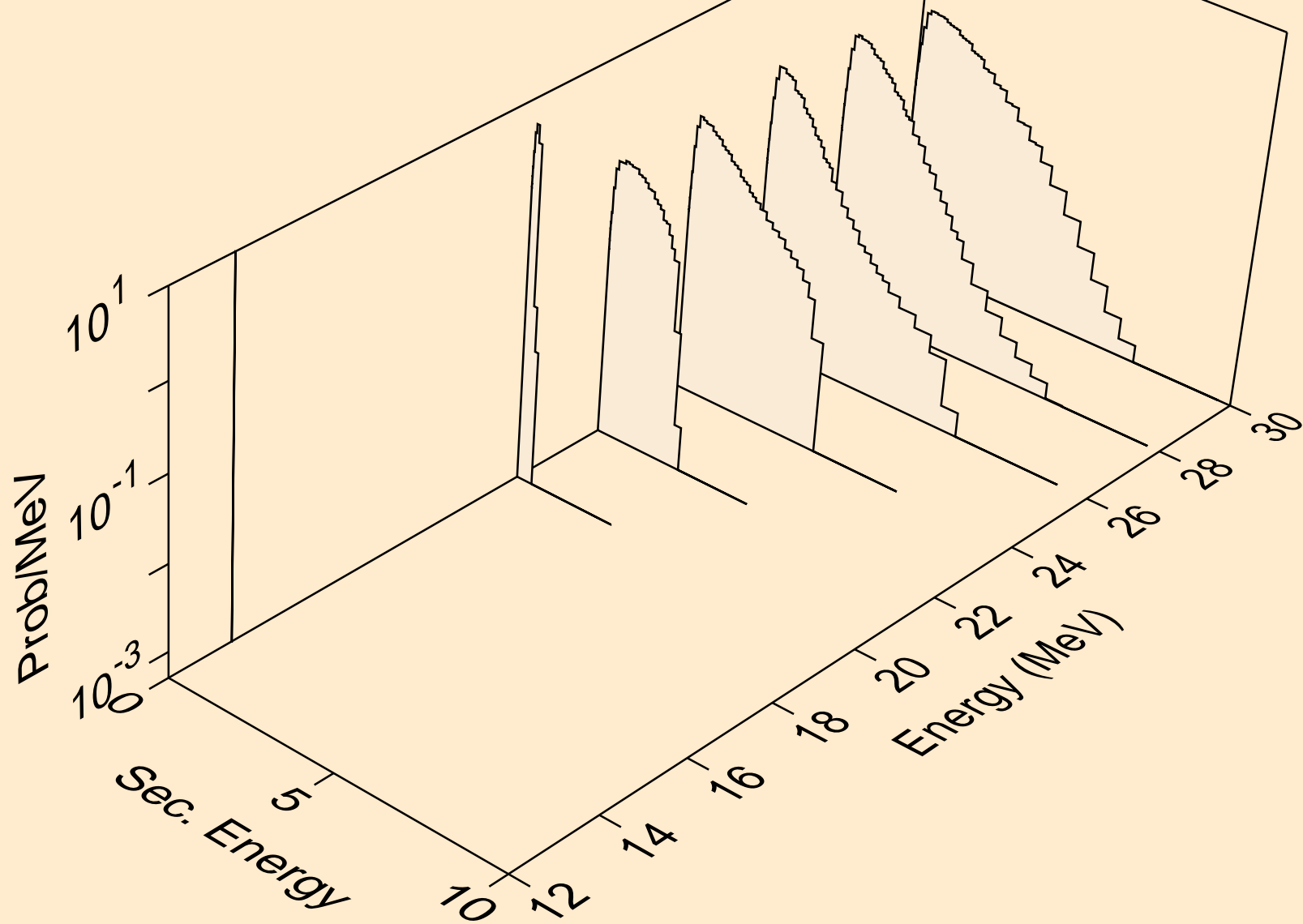
I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a



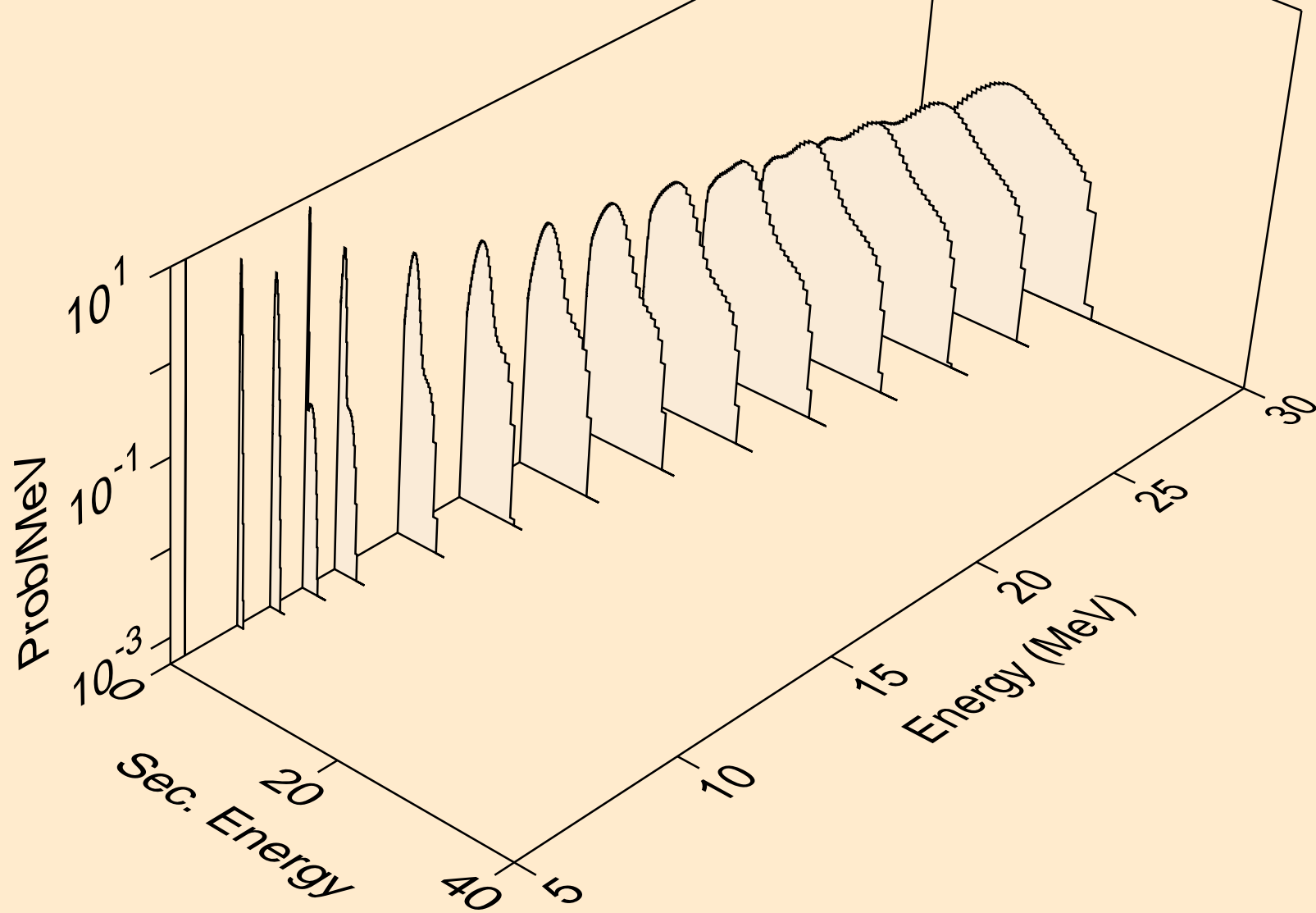
I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)3a



I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)a

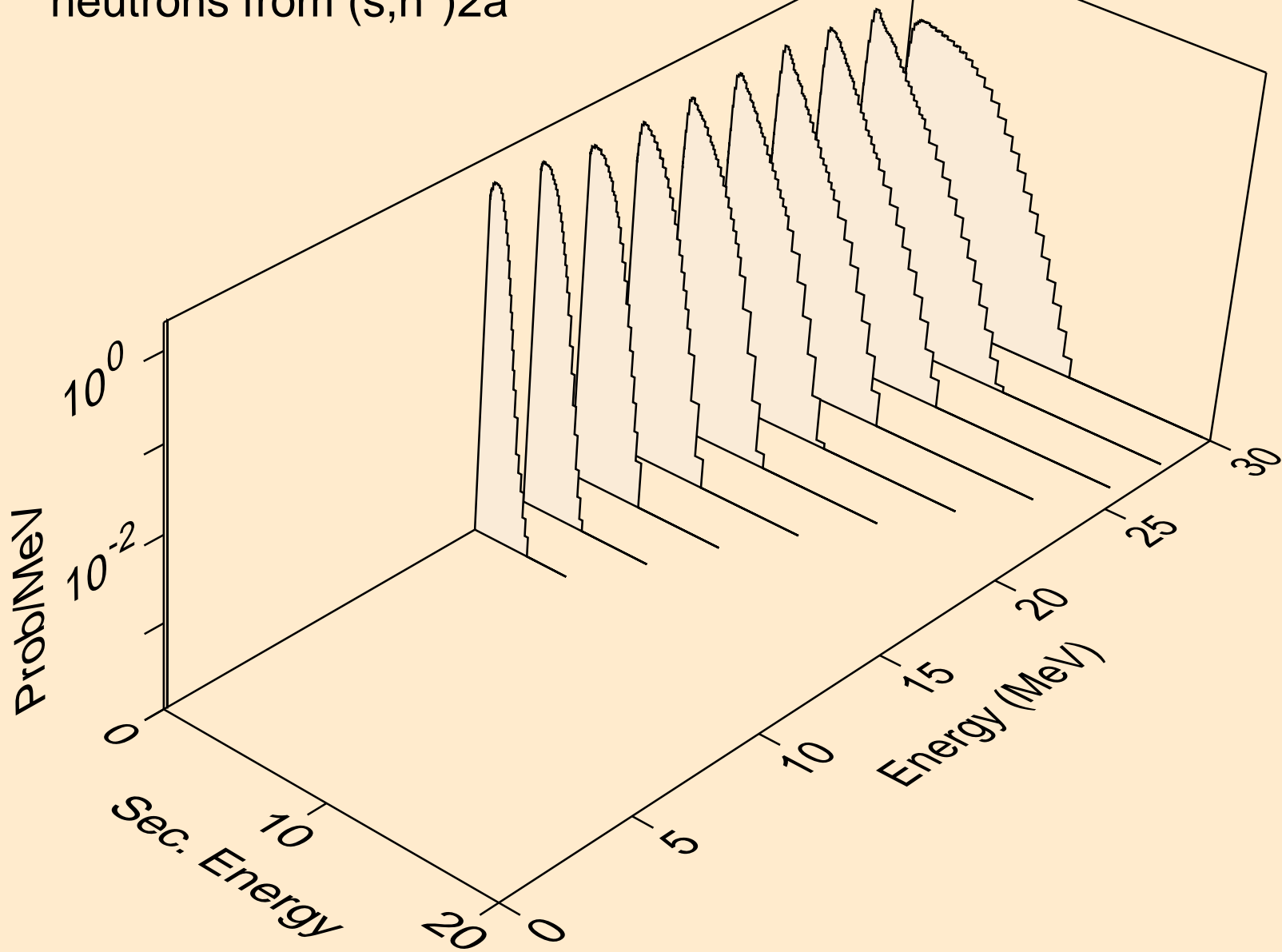


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neutrons from (s,n\*)p

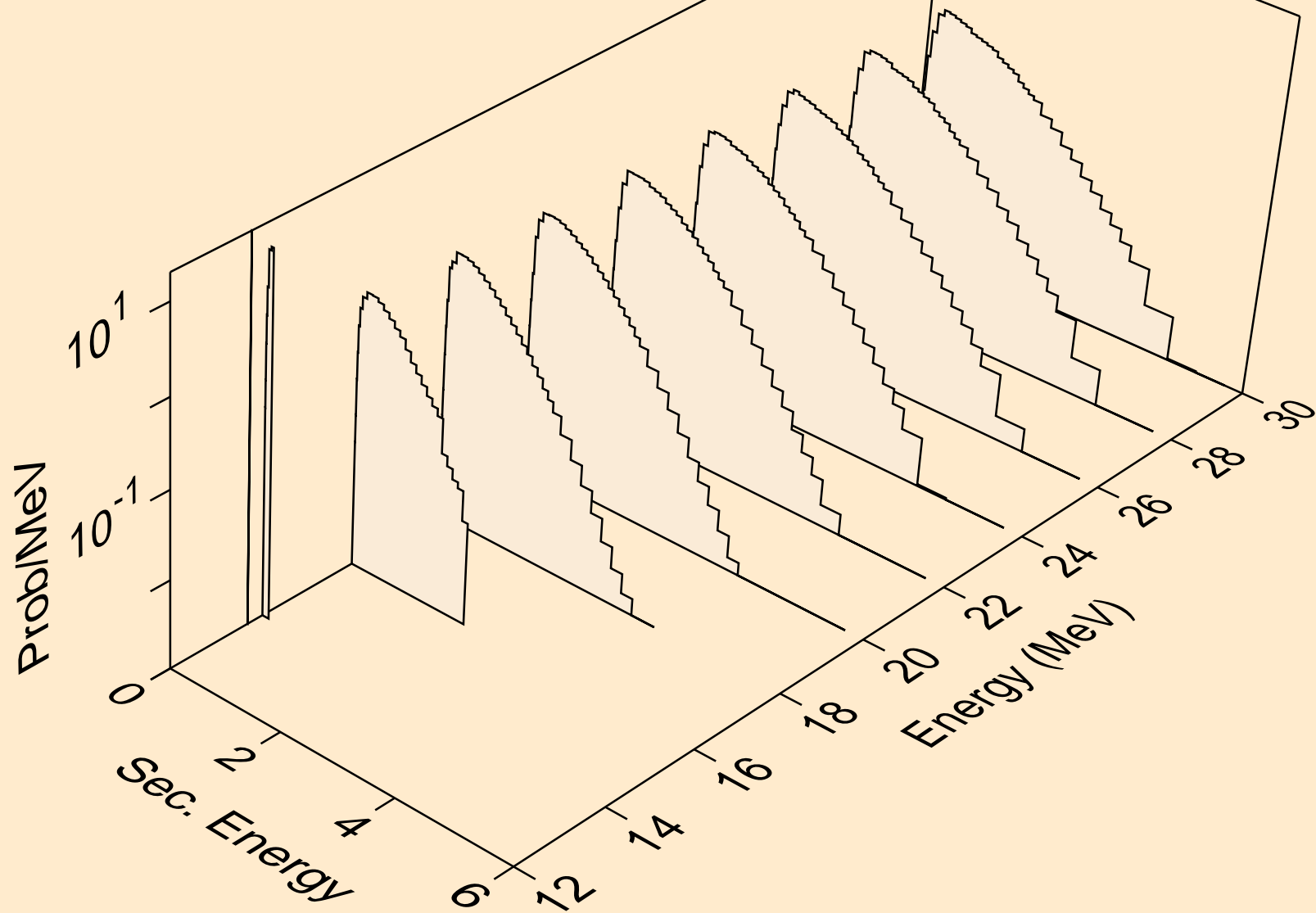




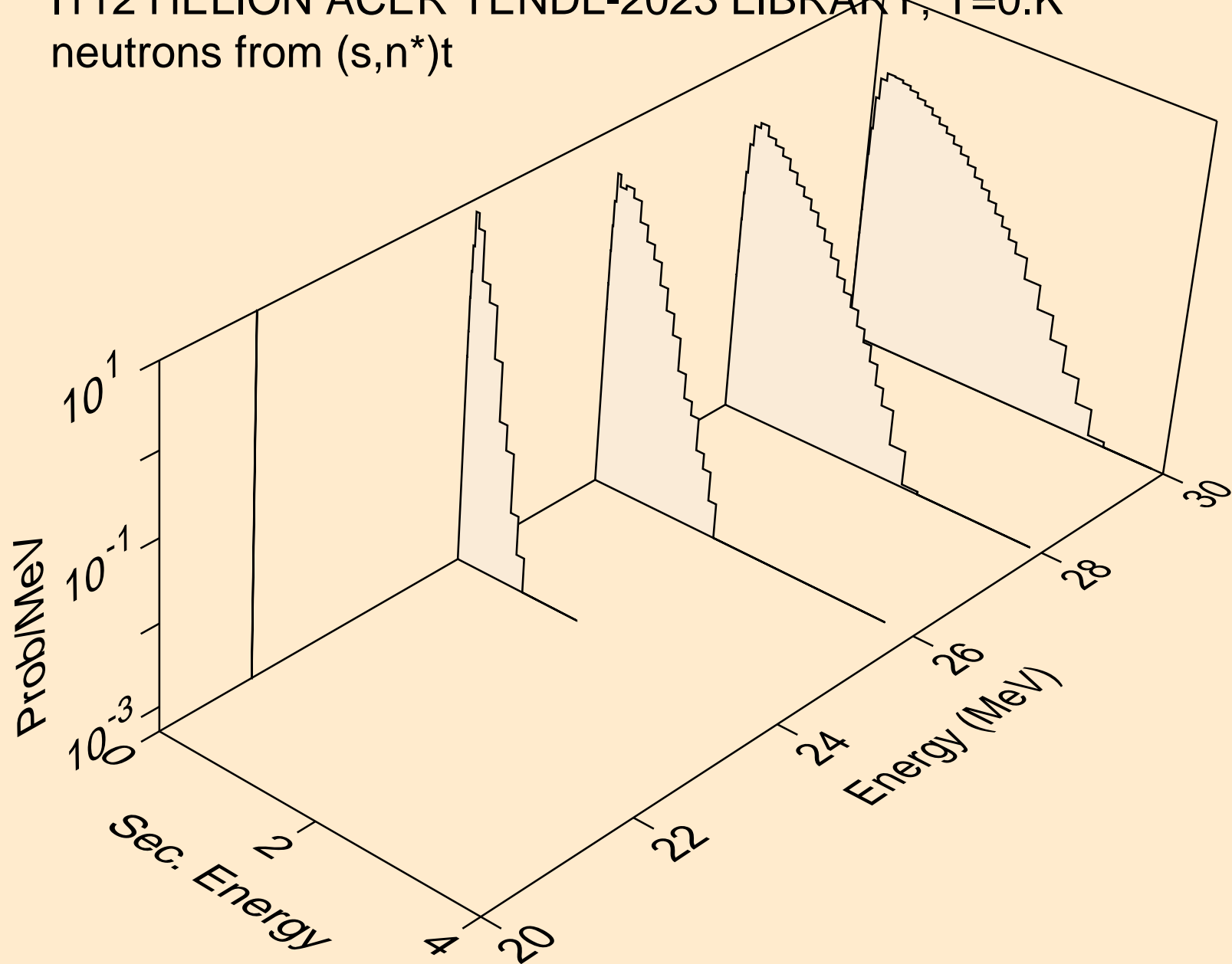
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neutrons from (s,n\*)2a



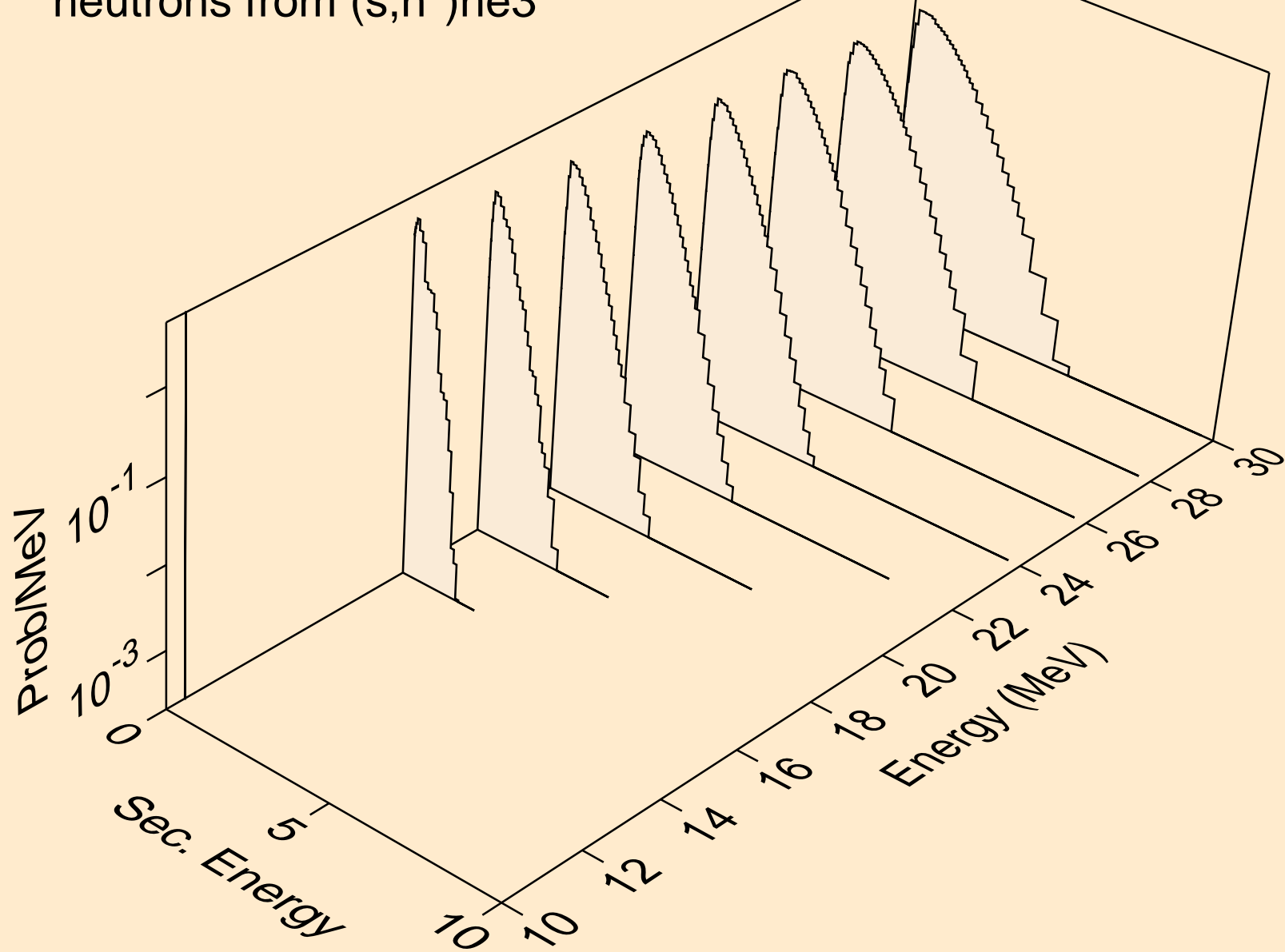
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neutrons from (s,n\*)d



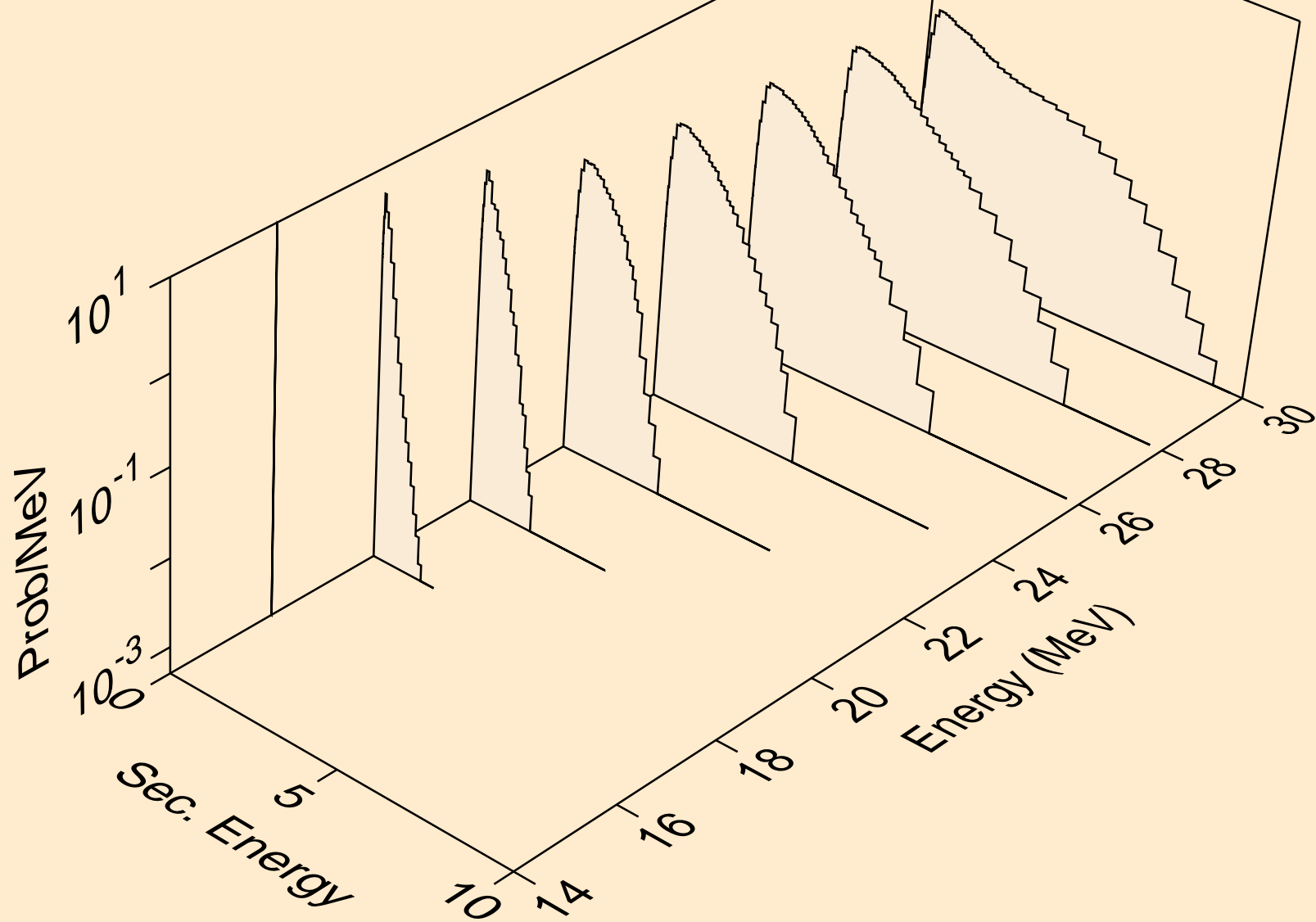
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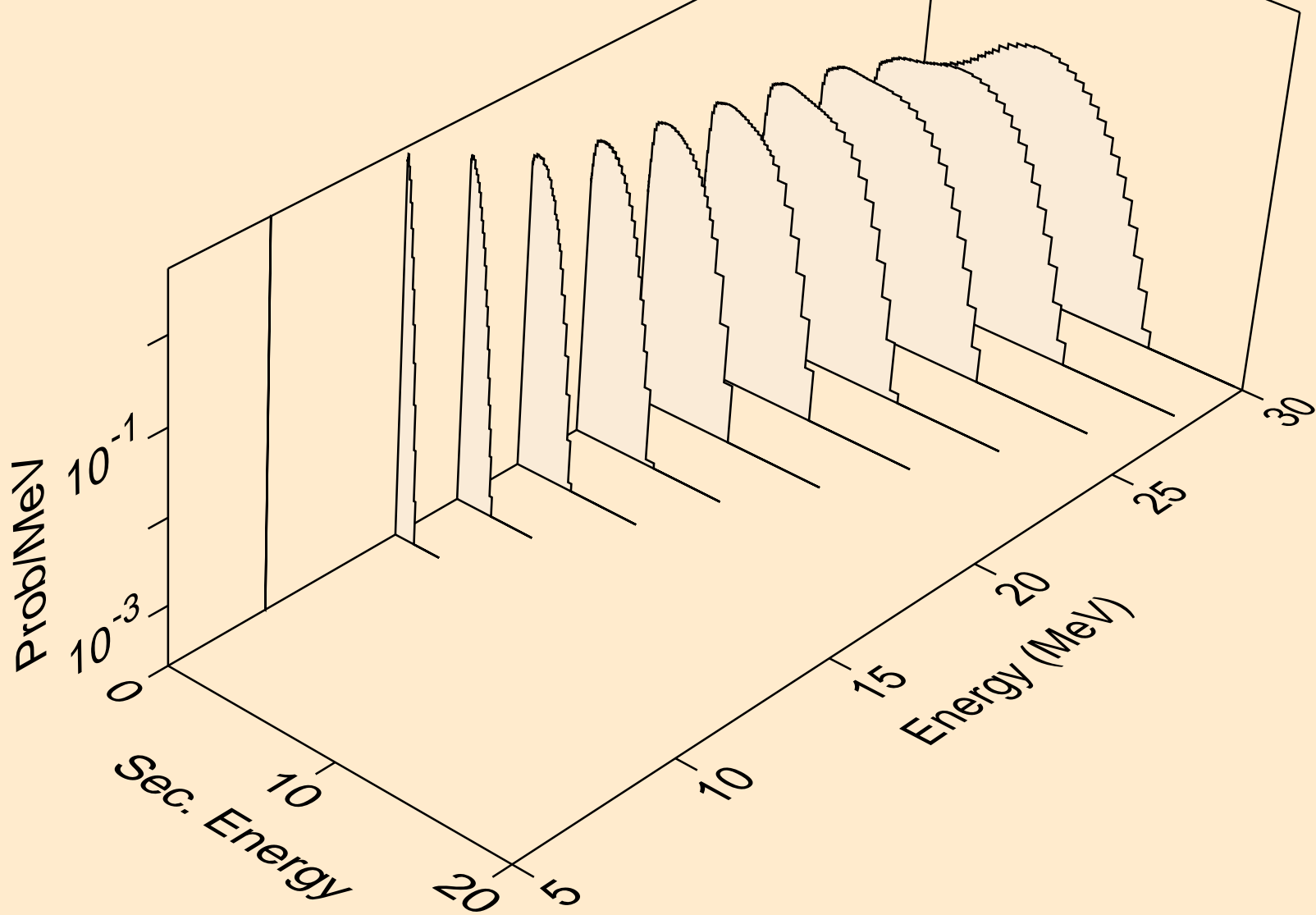
I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)he3



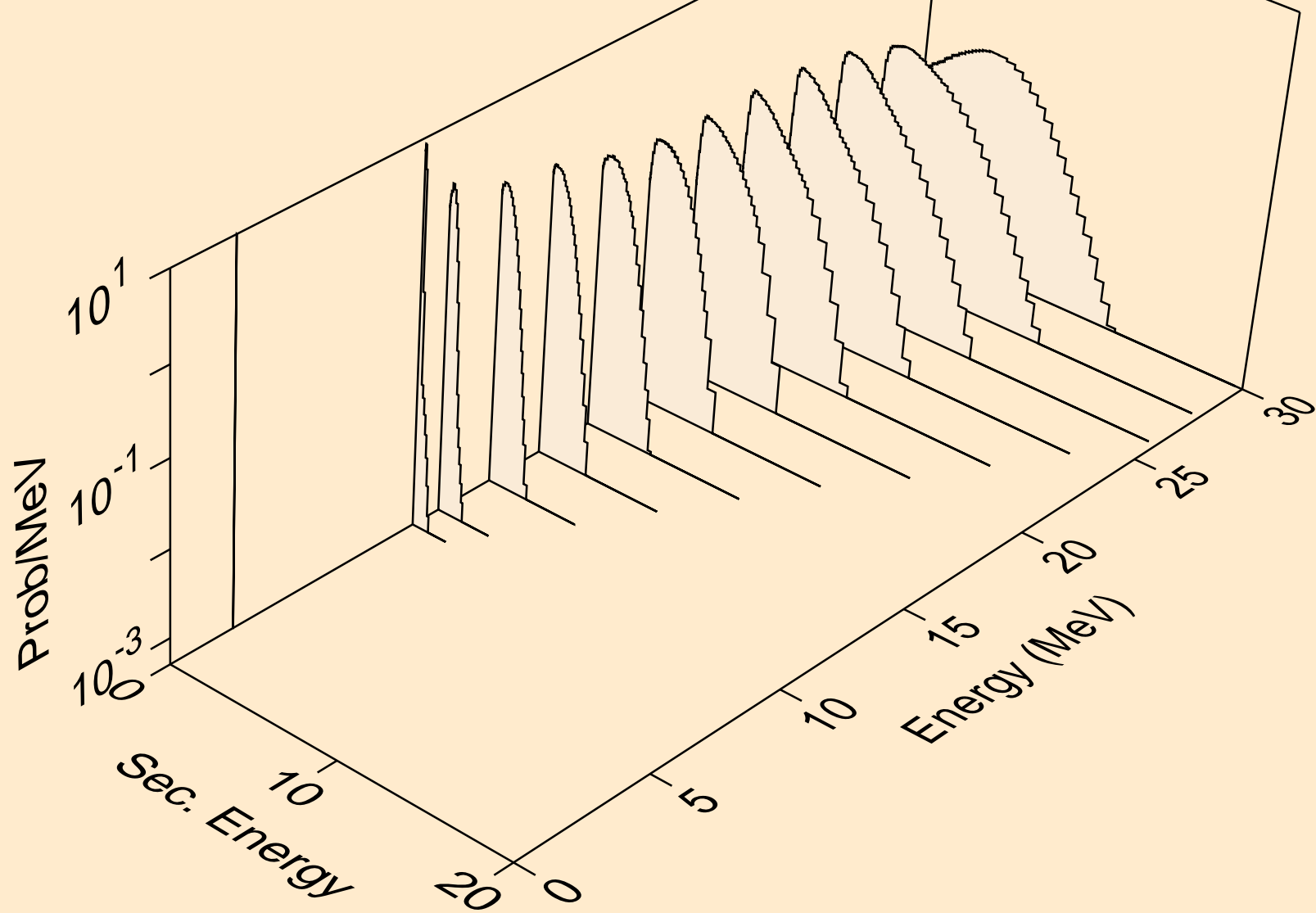
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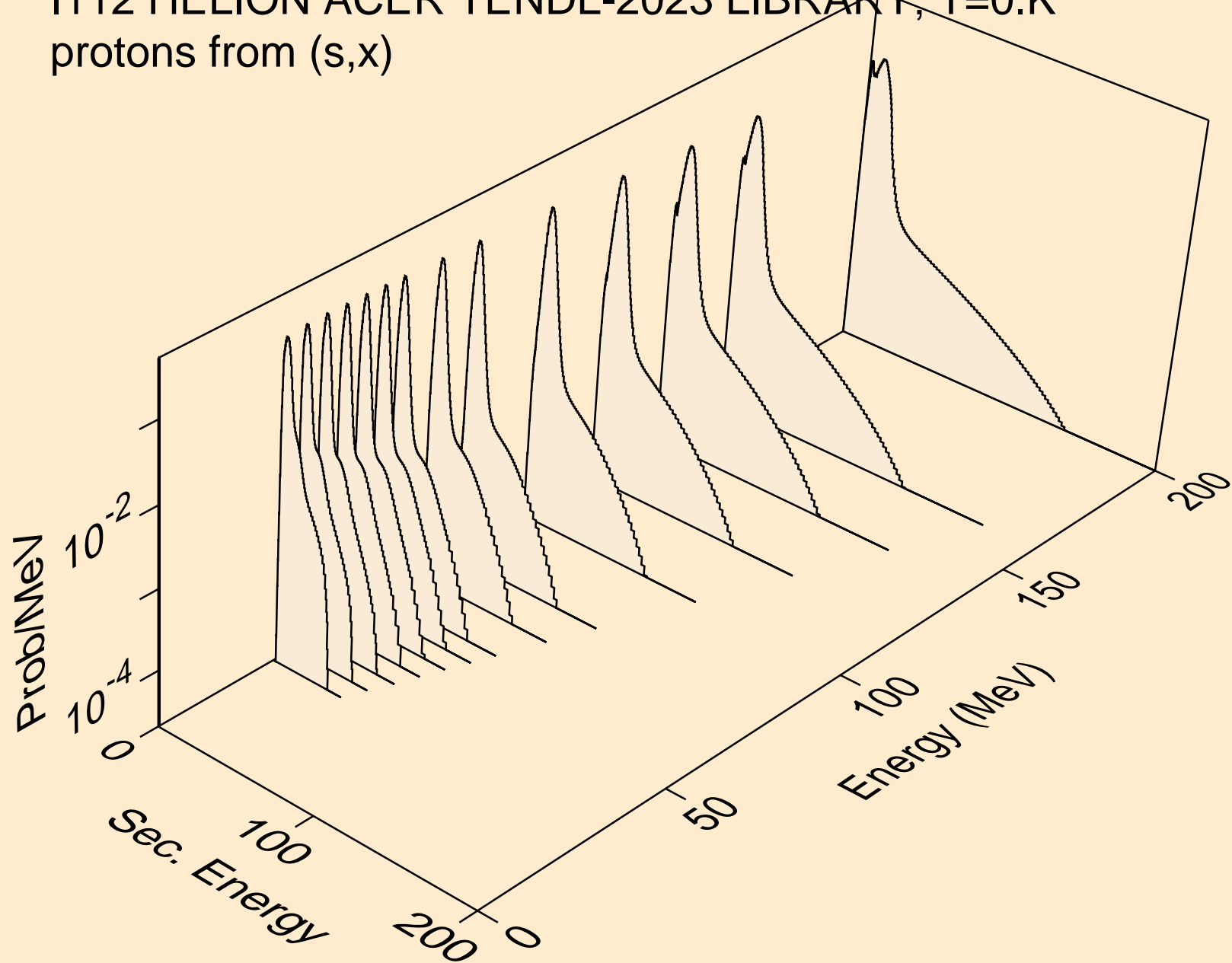
I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n2p)



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neutrons from (s,npa)

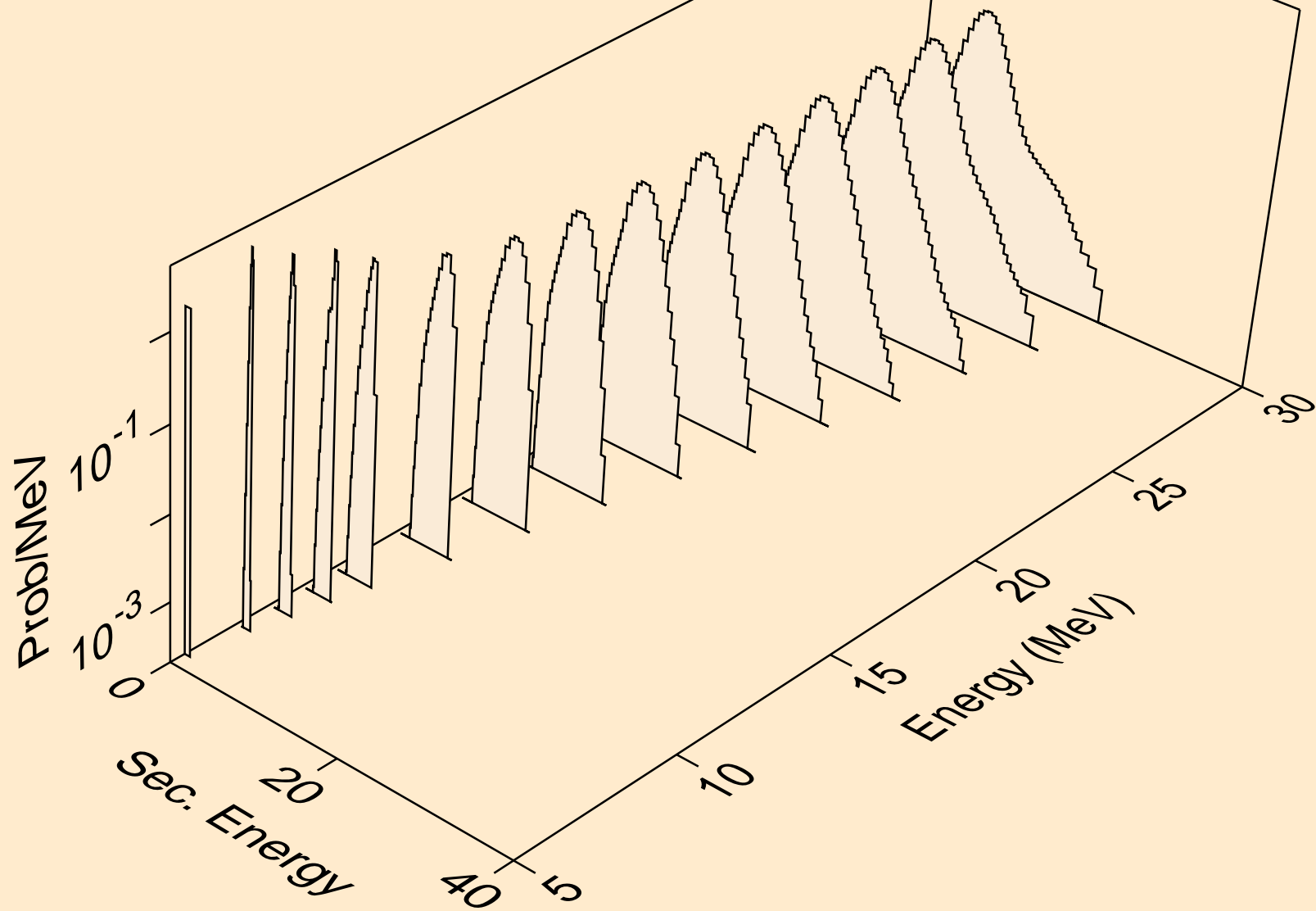


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protons from (s,x)

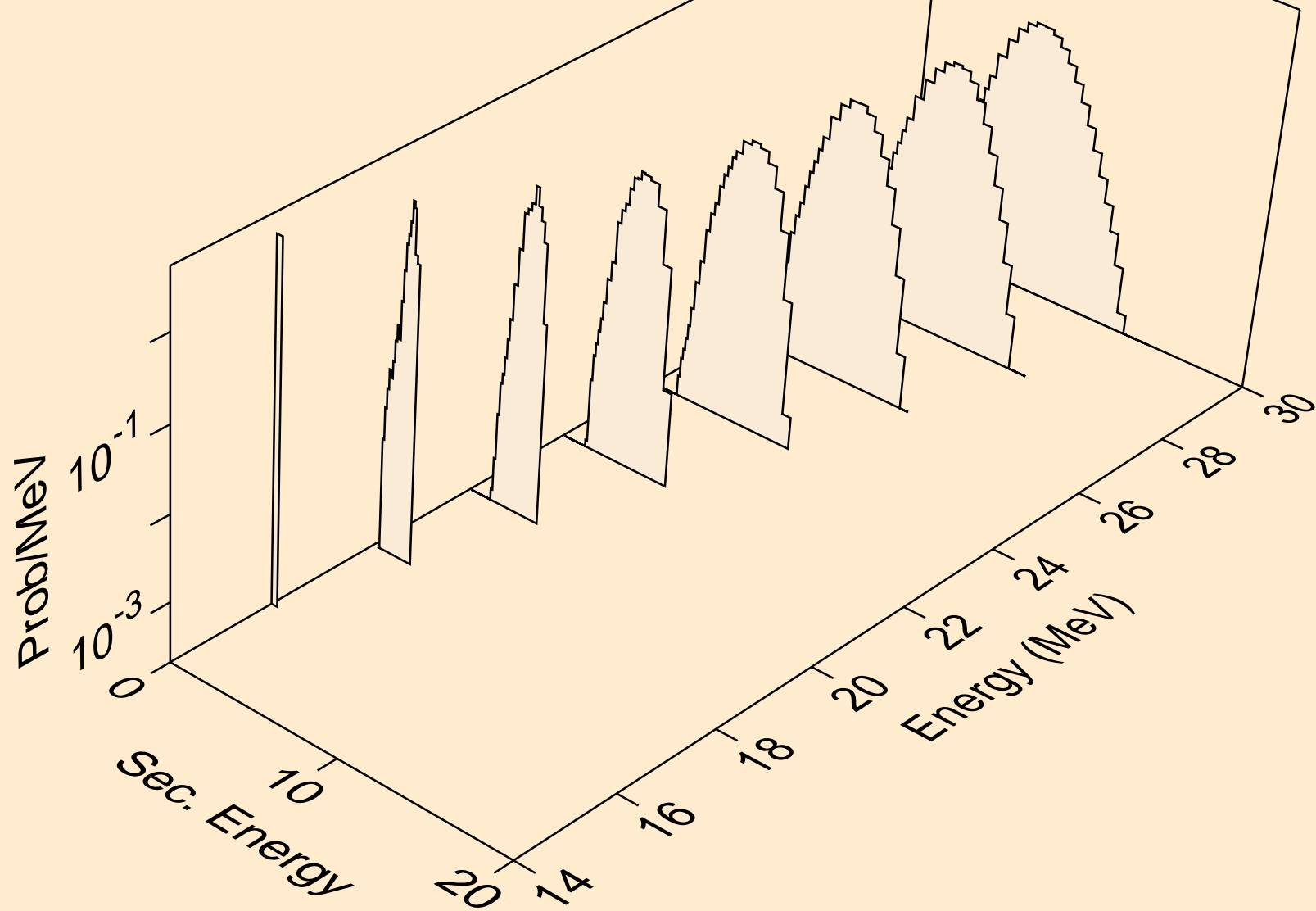




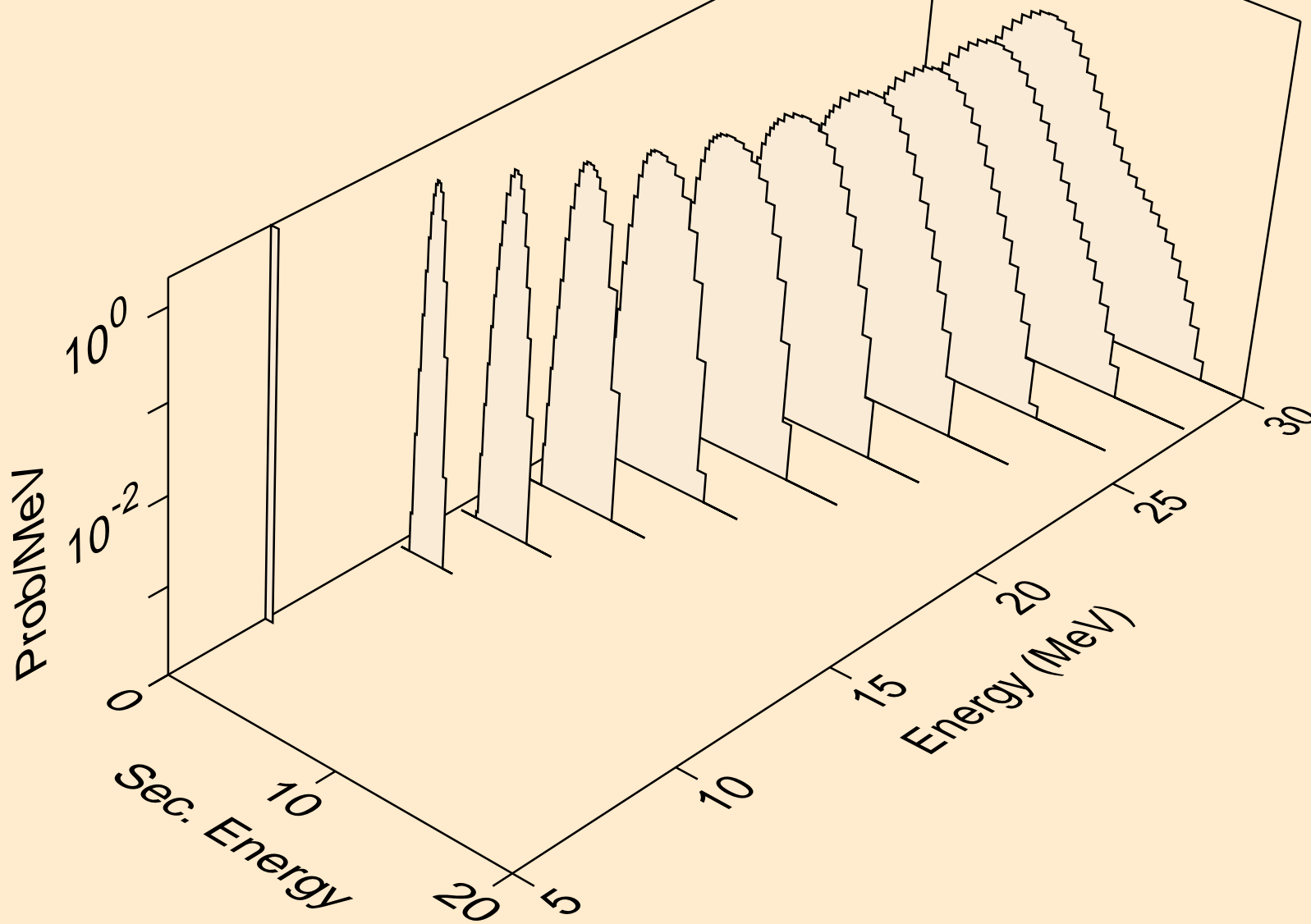
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protons from (s,n\*)p



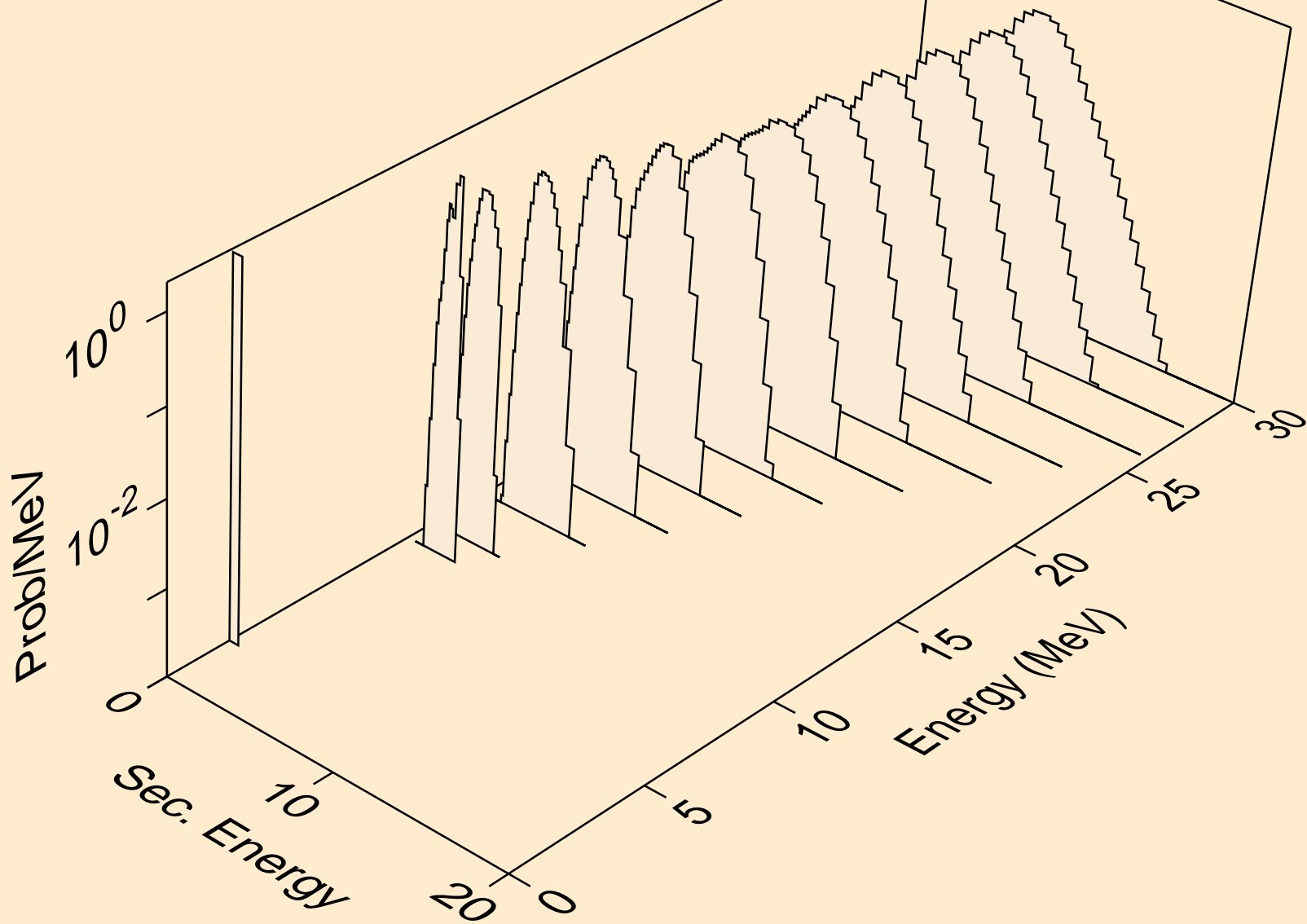
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protons from (s,2np)



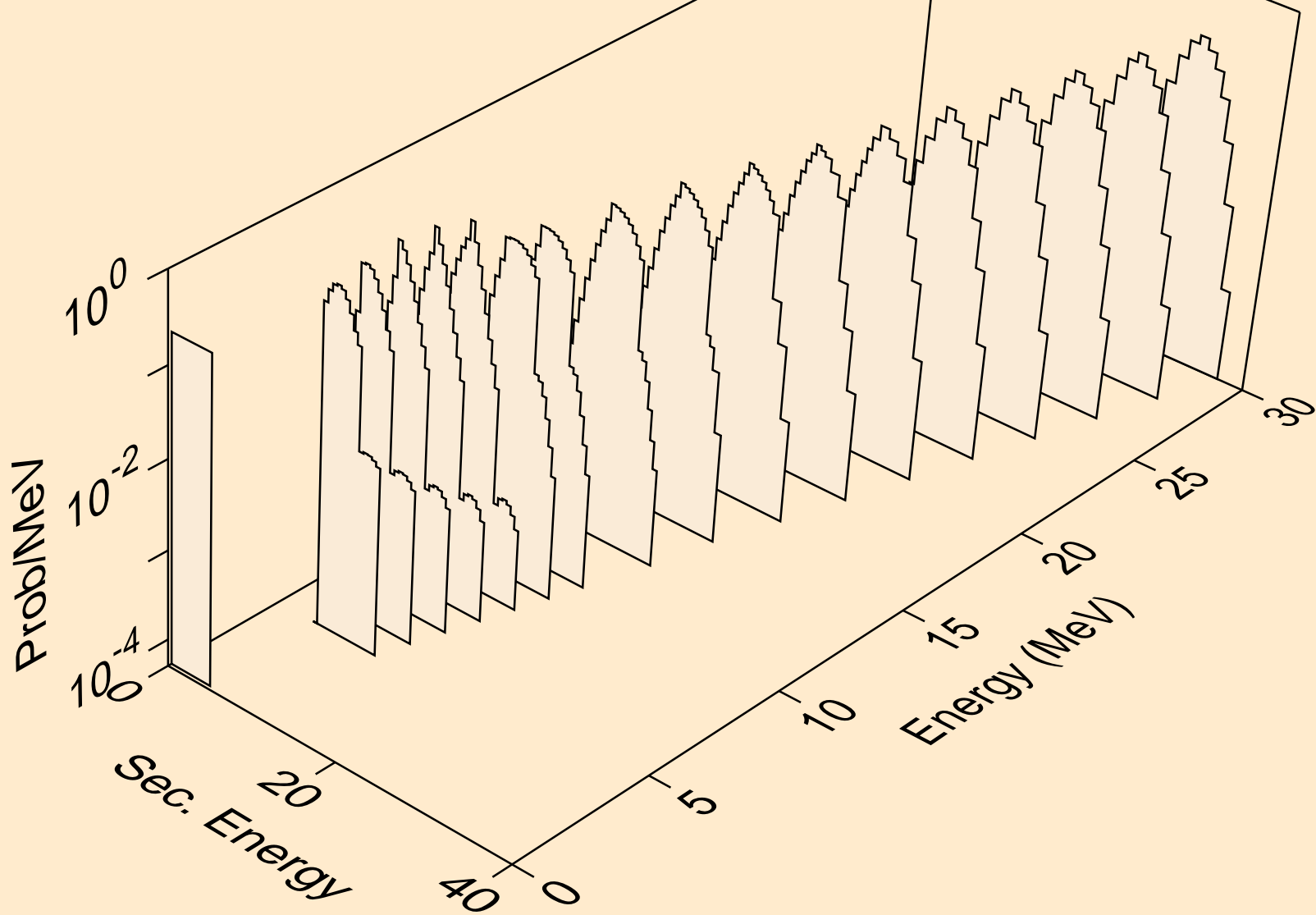
I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,n2p)



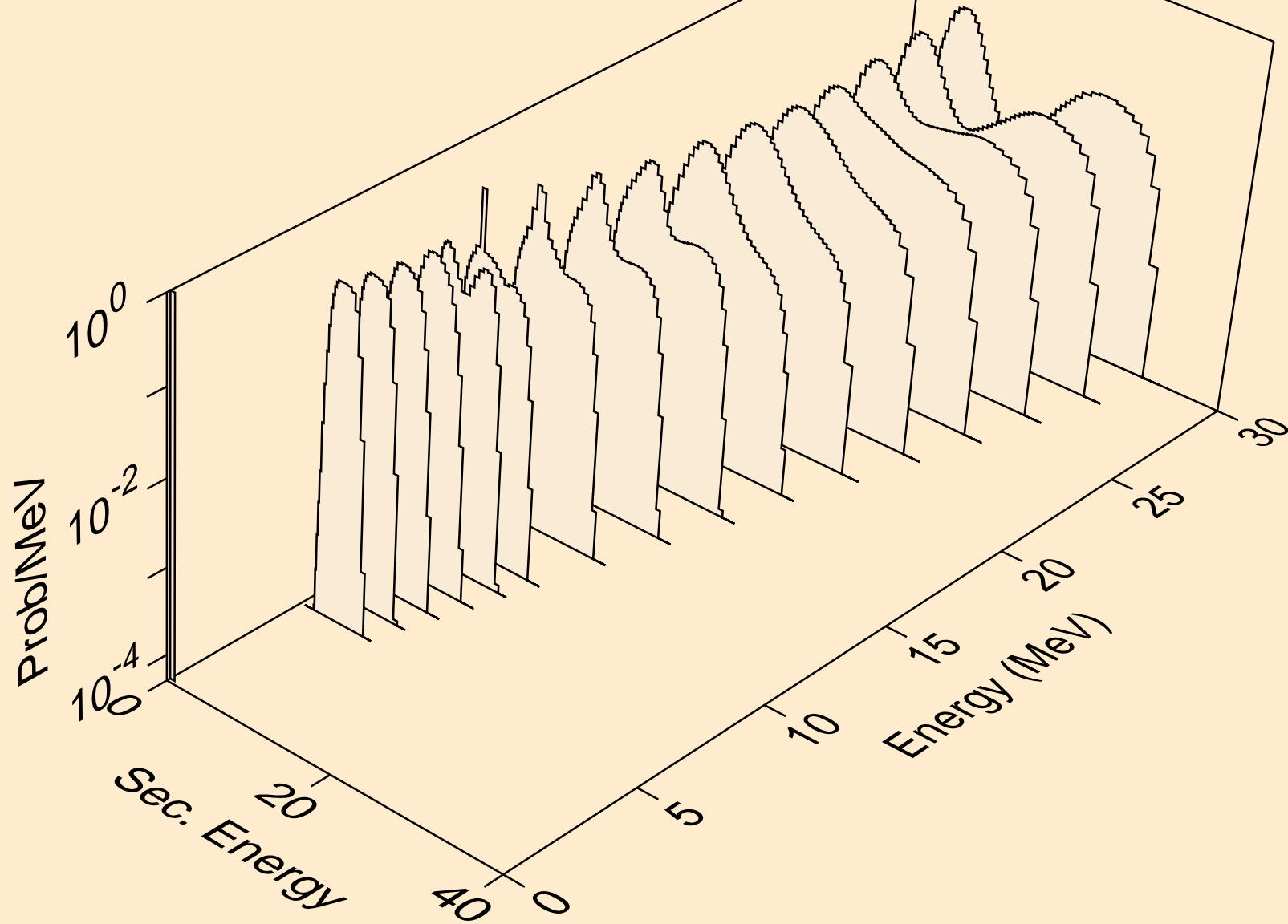
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protons from (s,npa)



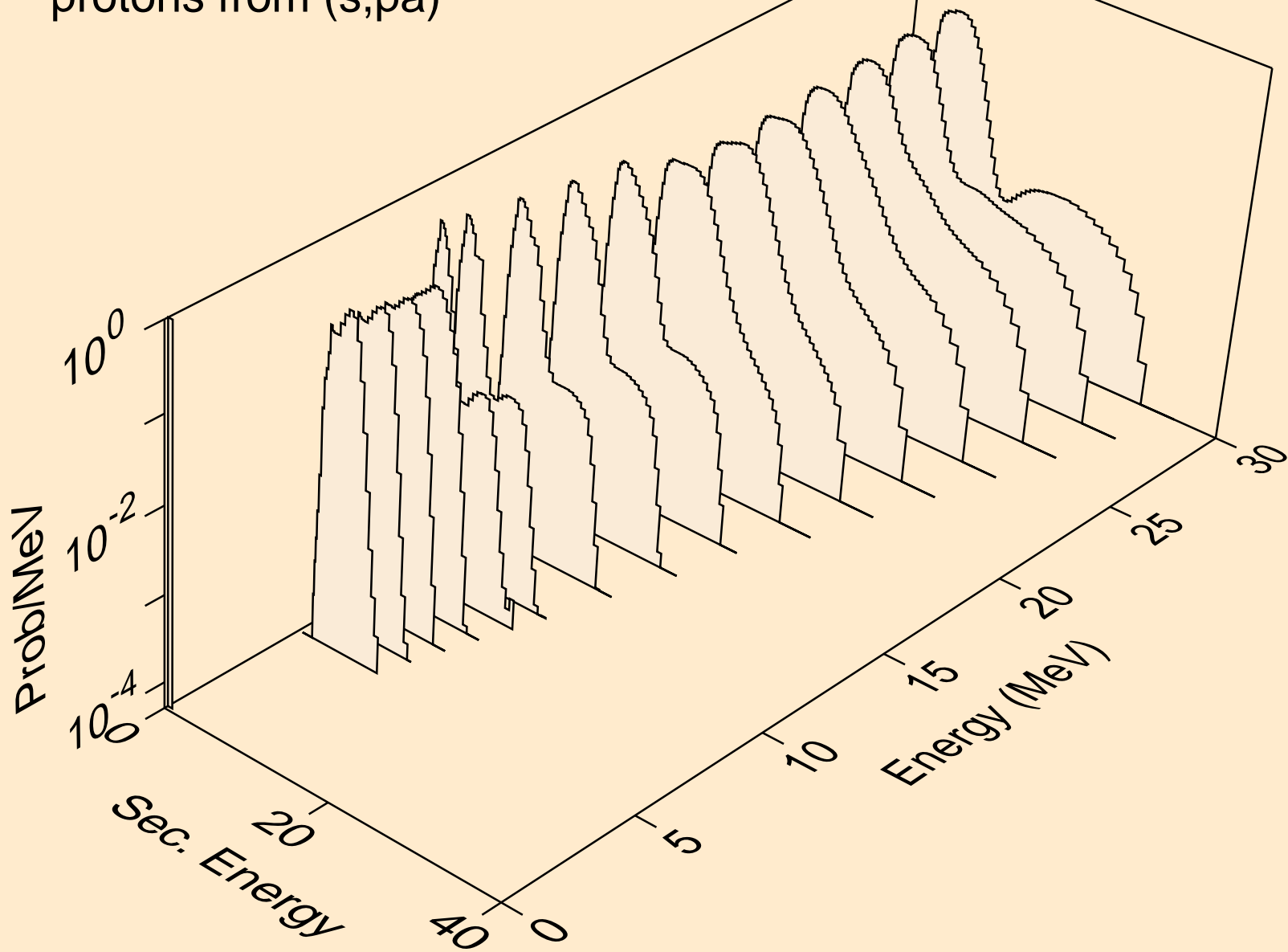
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protons from (s,p)



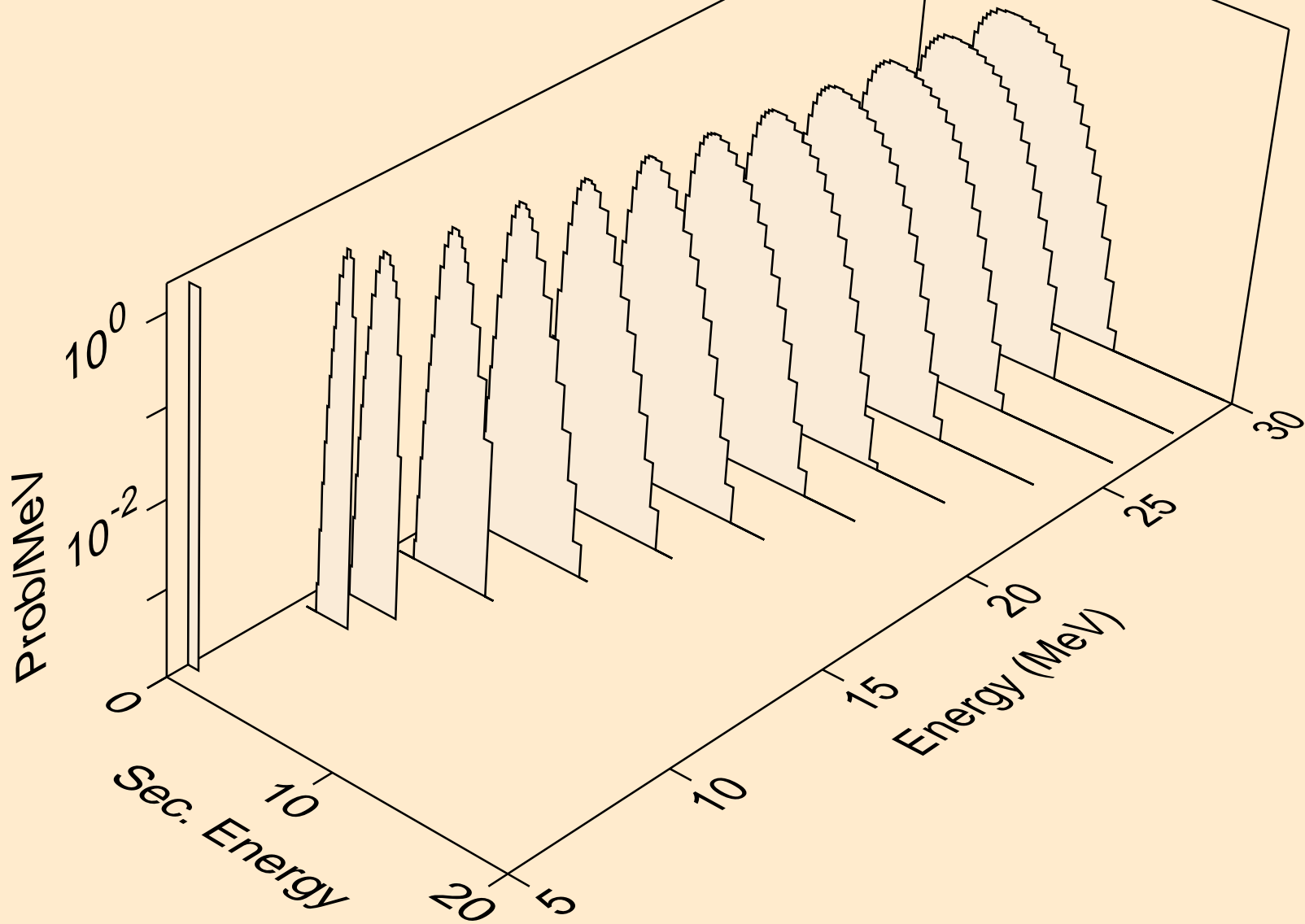
I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,2p)



I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pa)

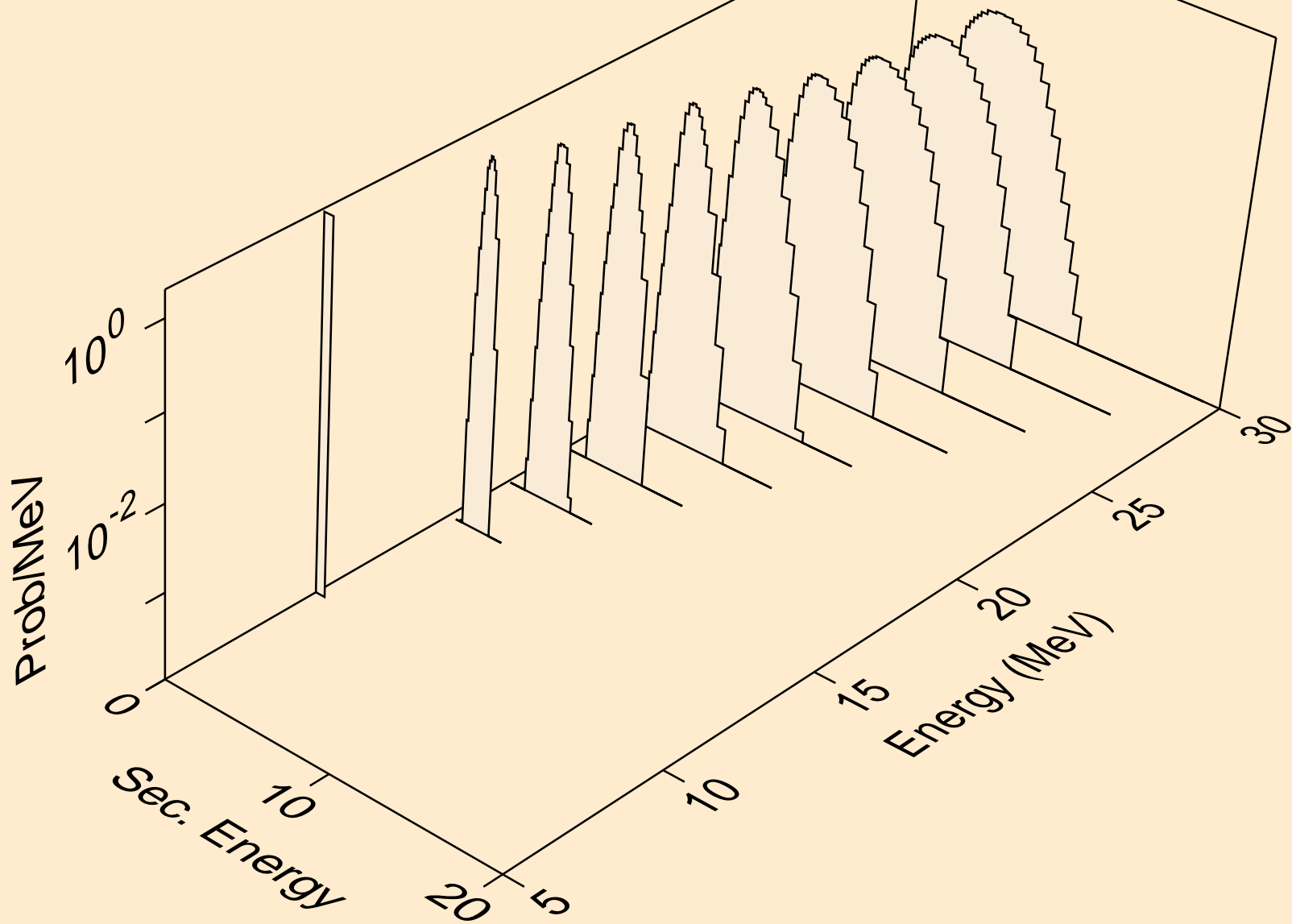


I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pd)

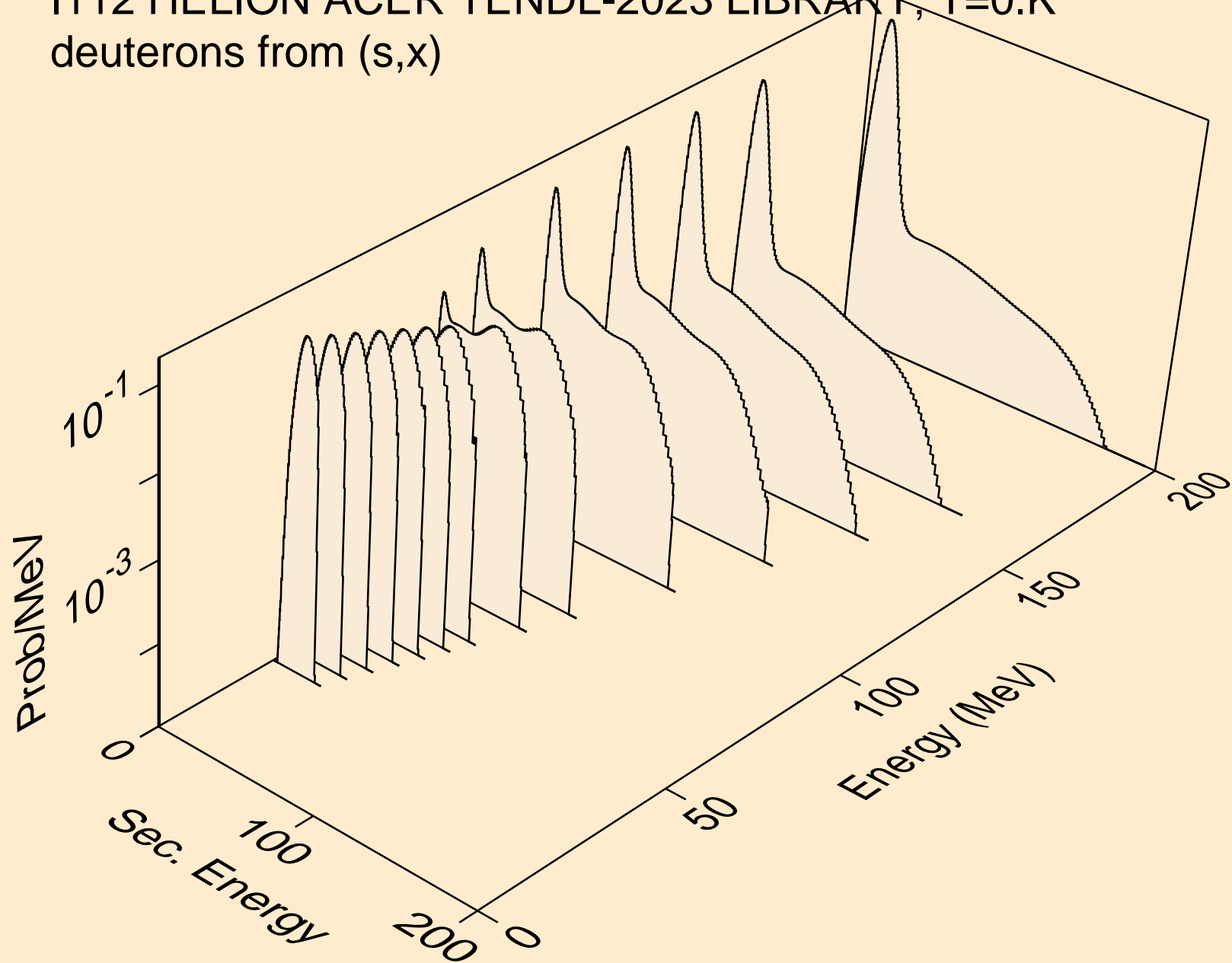




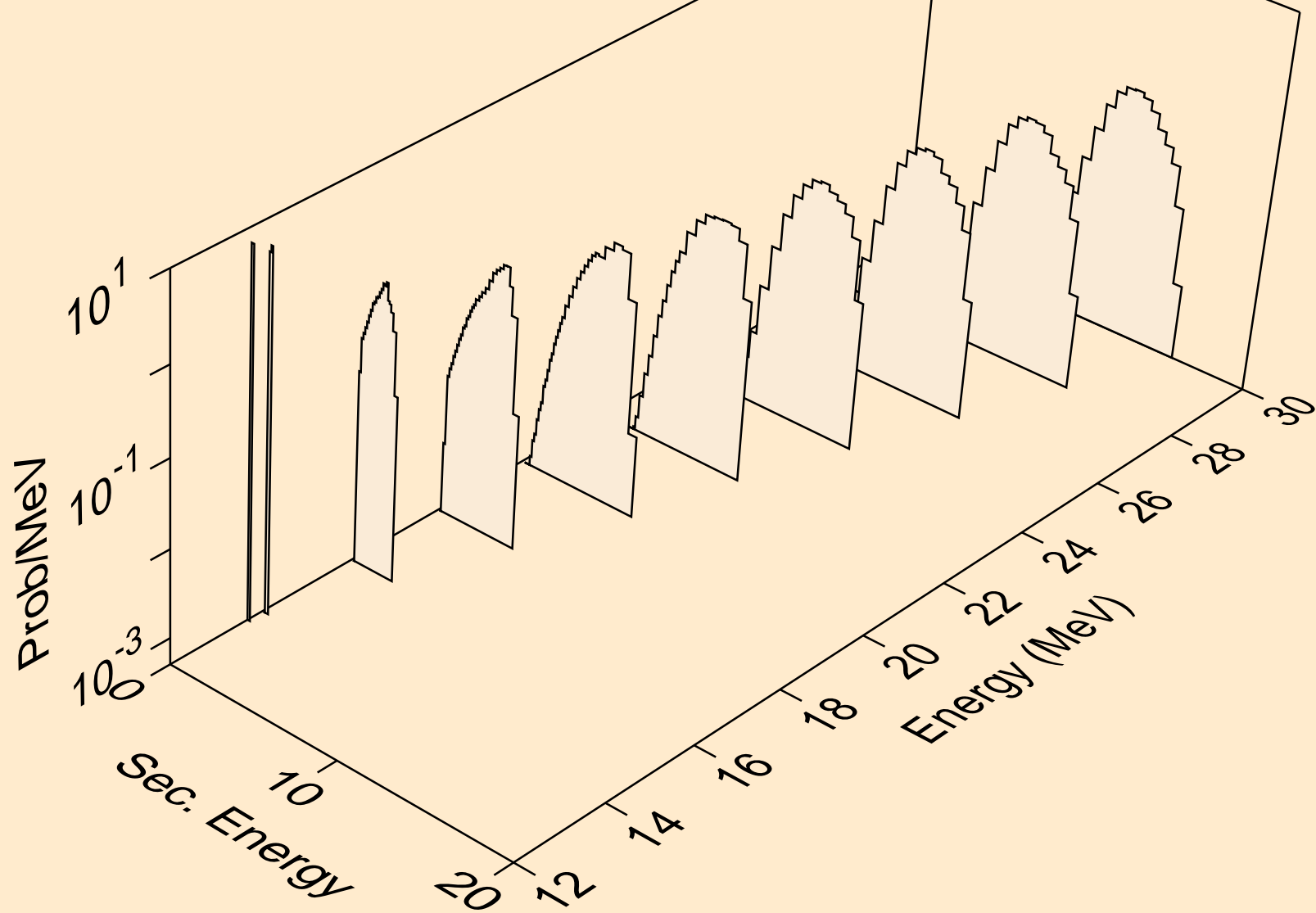
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protons from (s,pt)



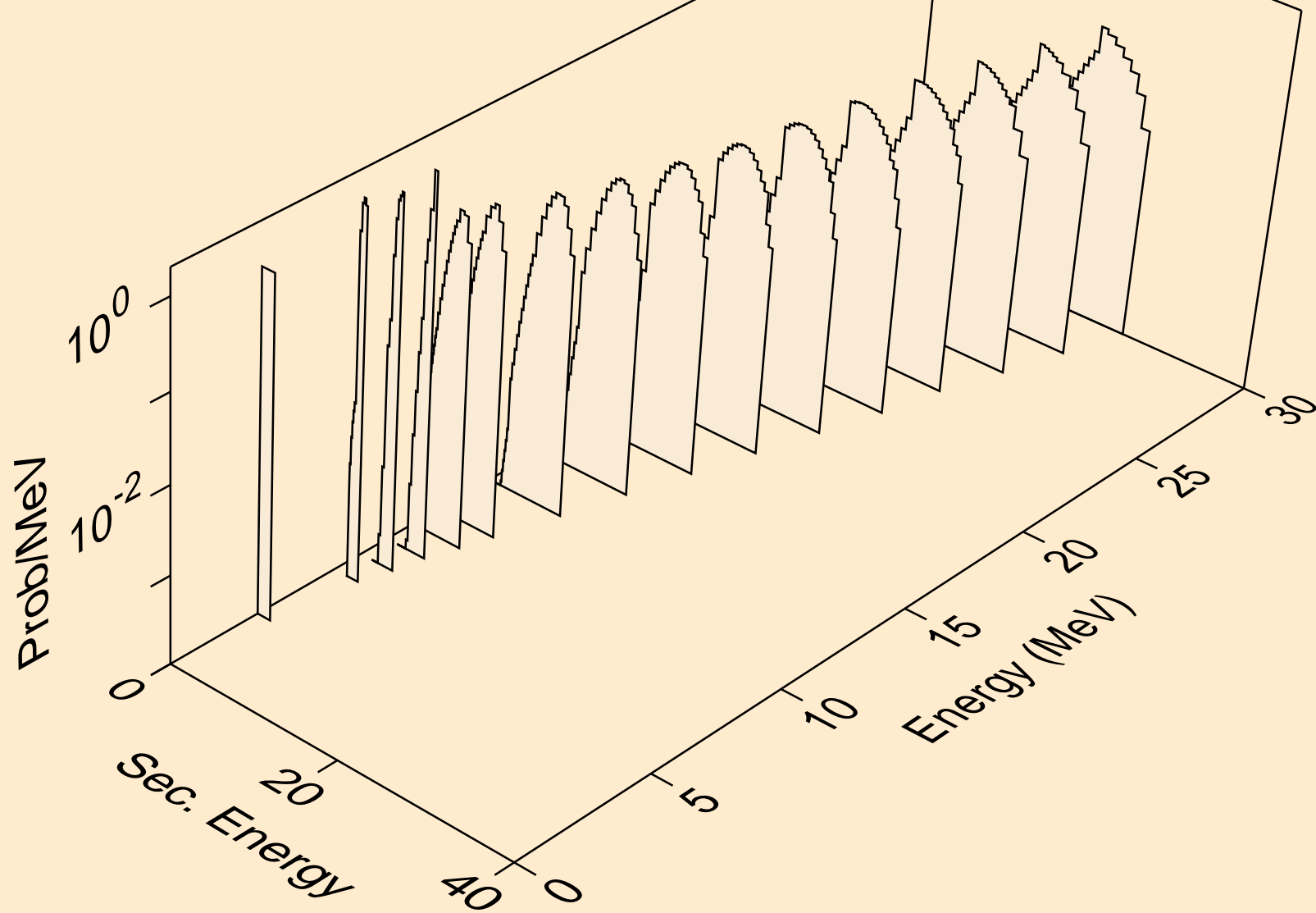
I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,x)



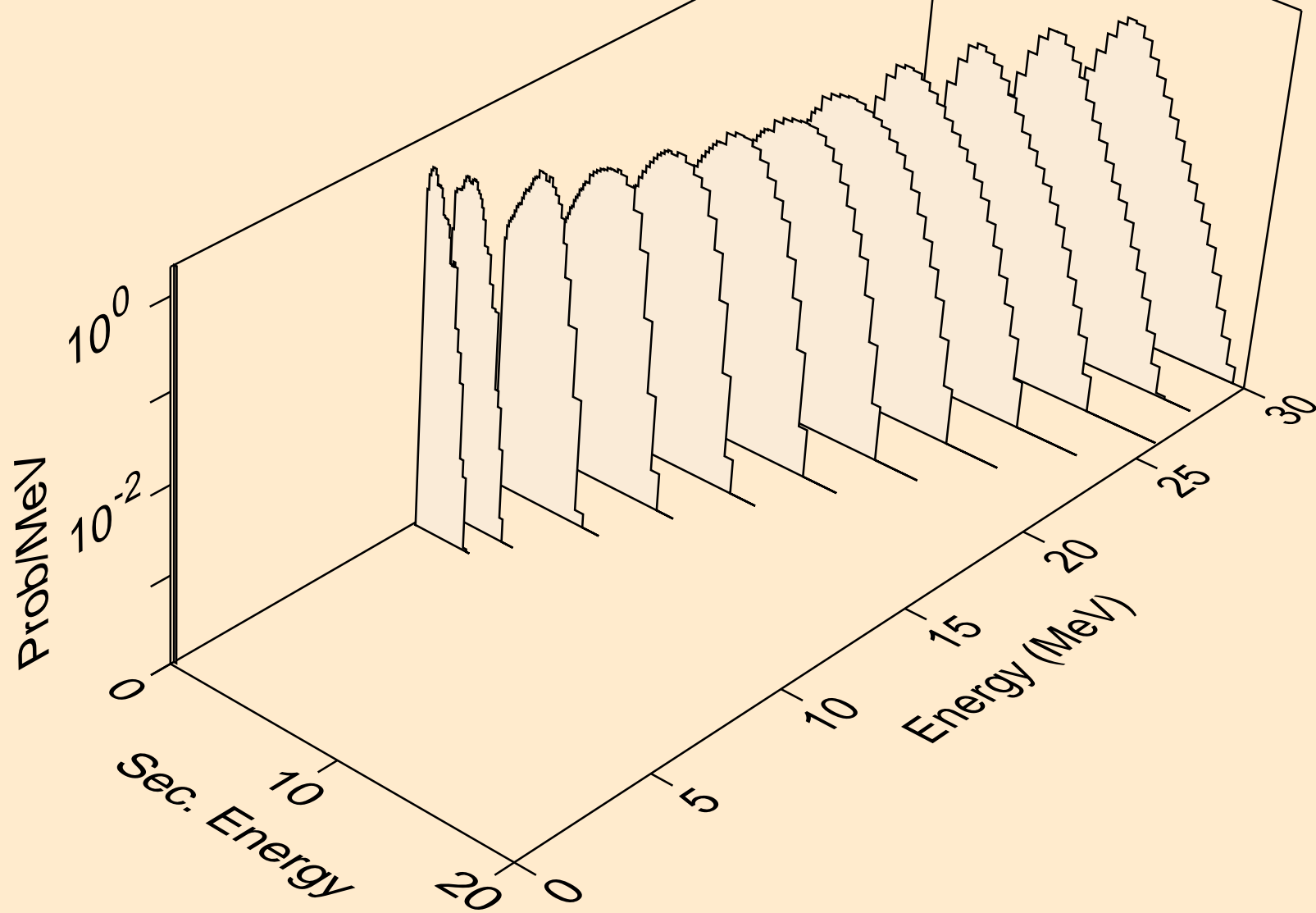
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deuterons from (s,n\*)d



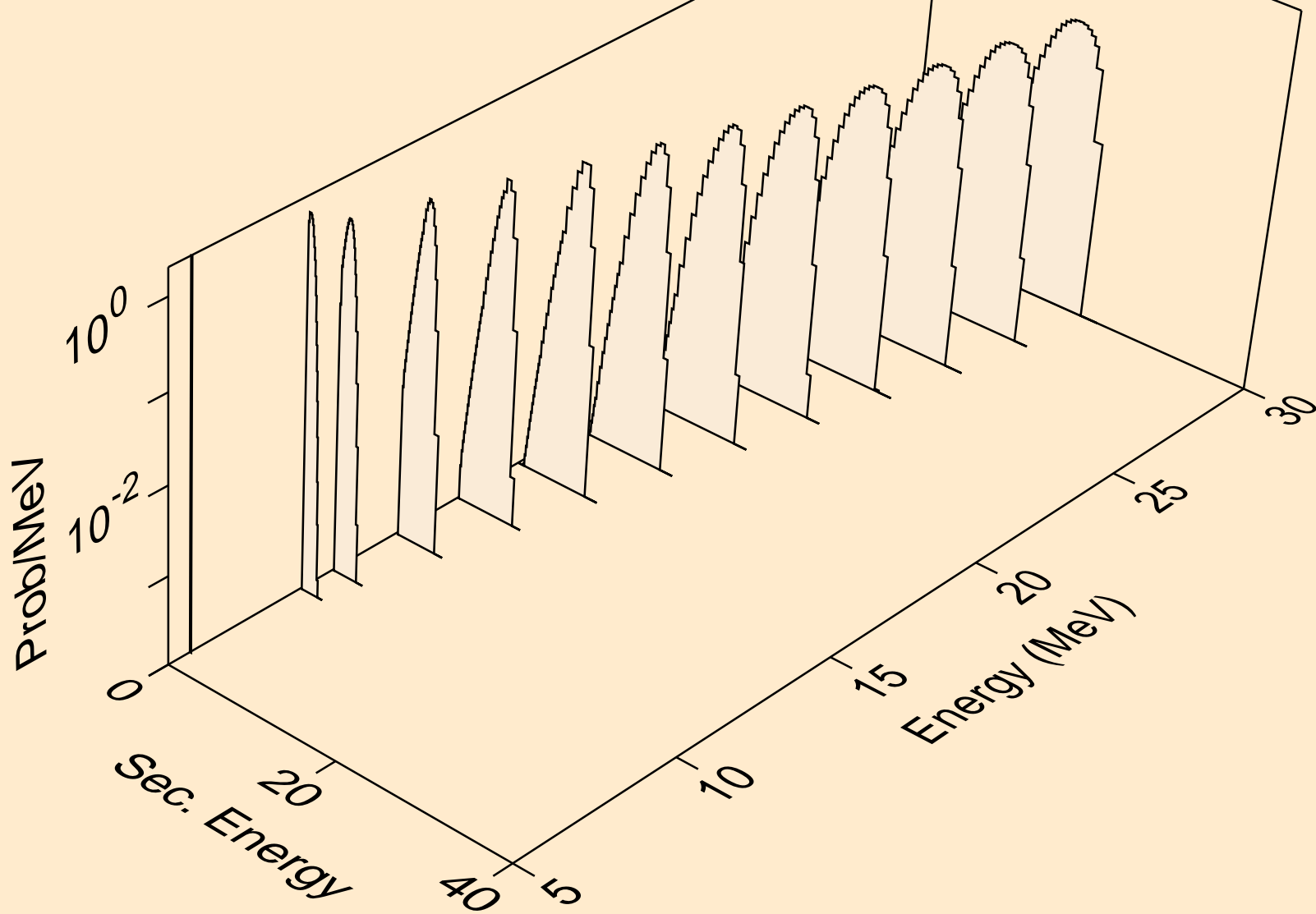
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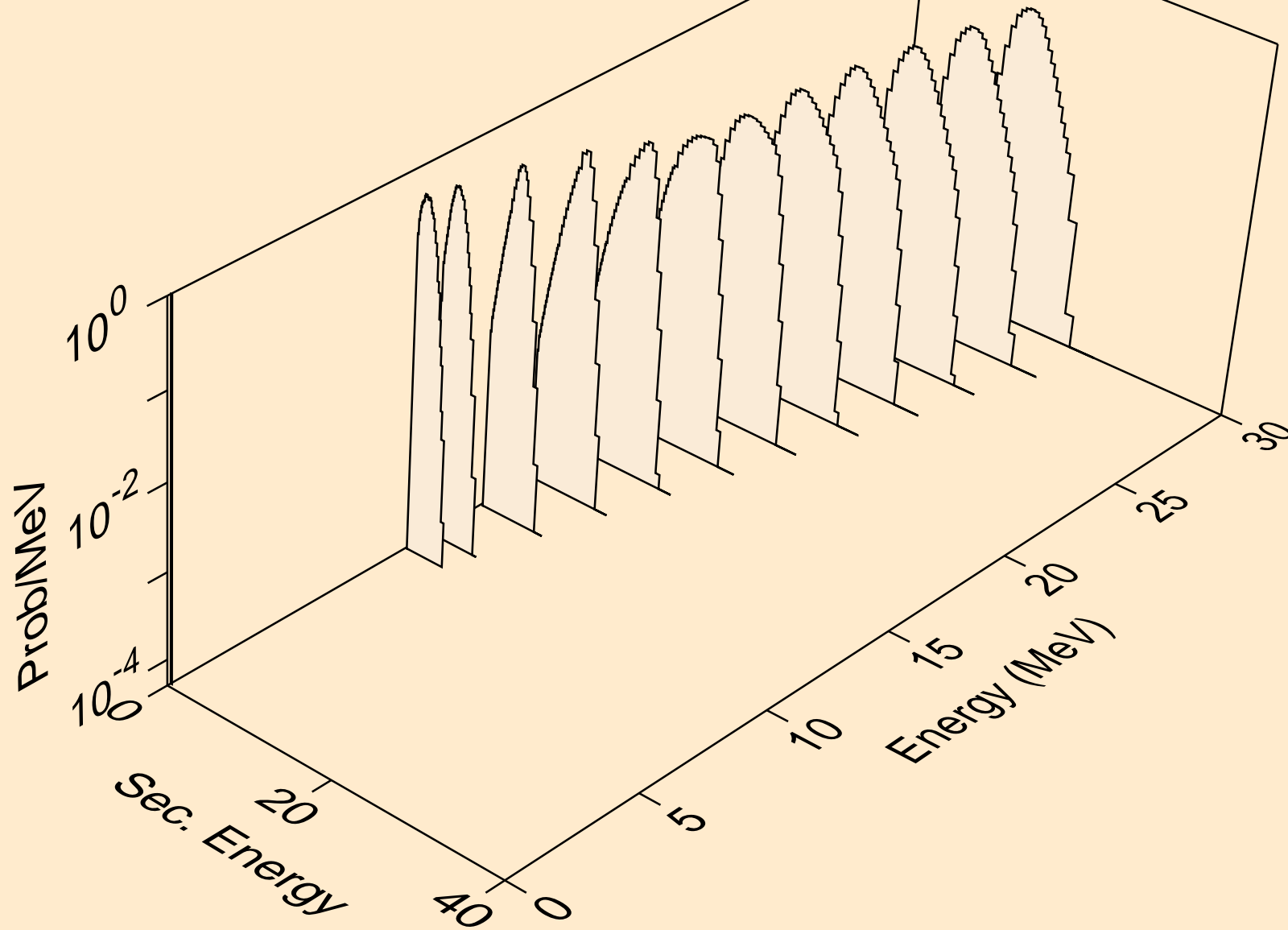
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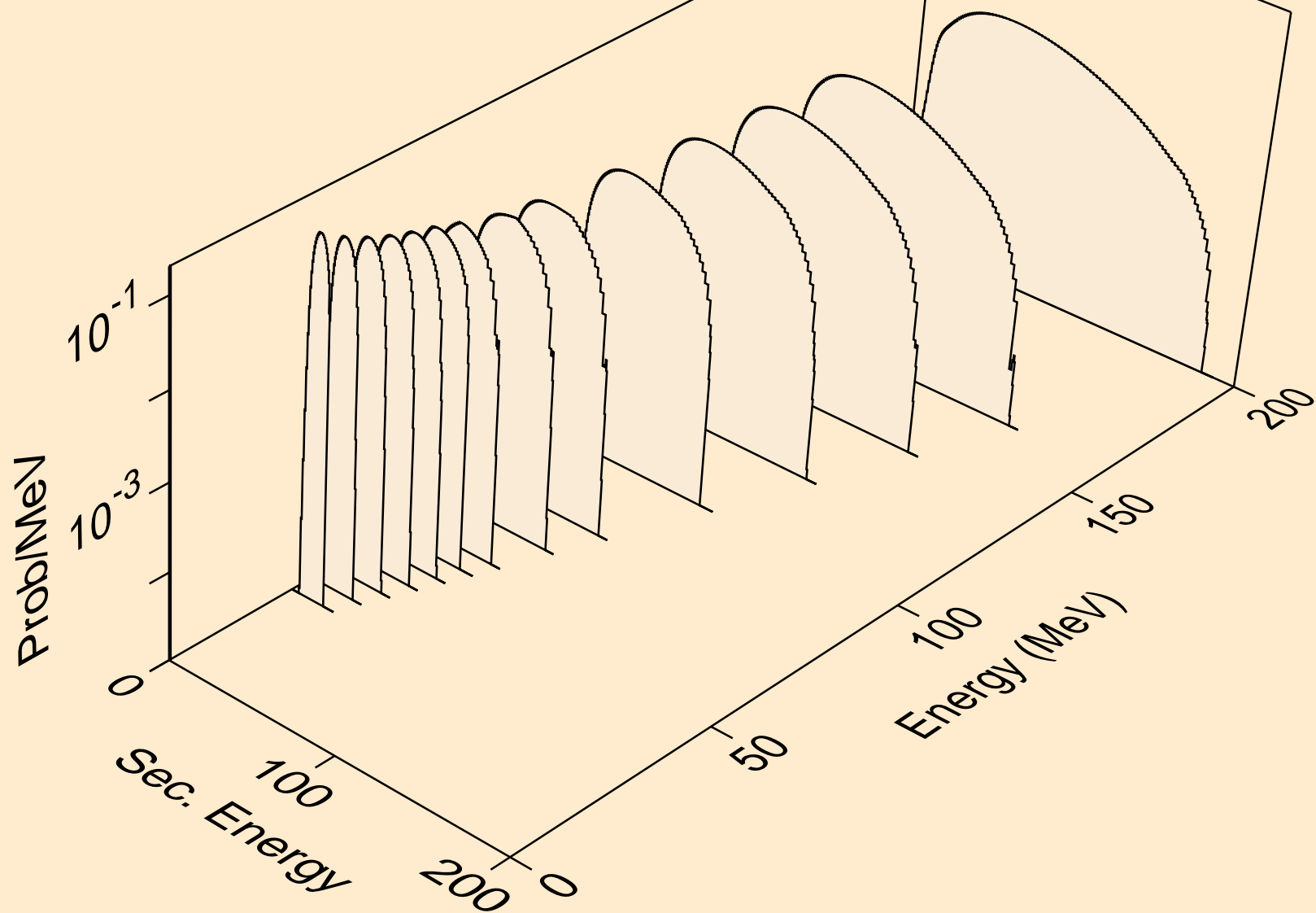
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deuterons from (s,pd)



I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,da)

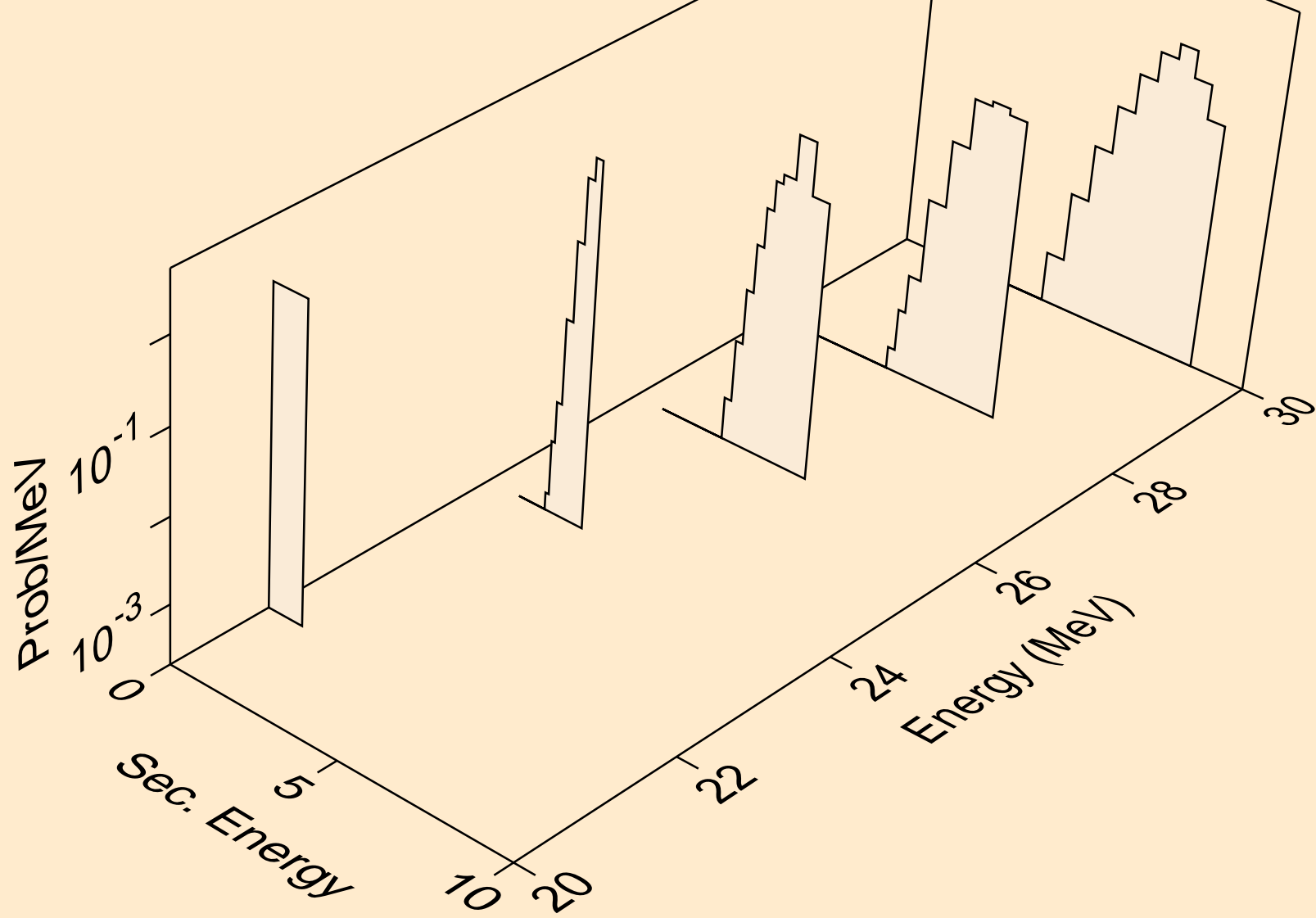


I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,x)

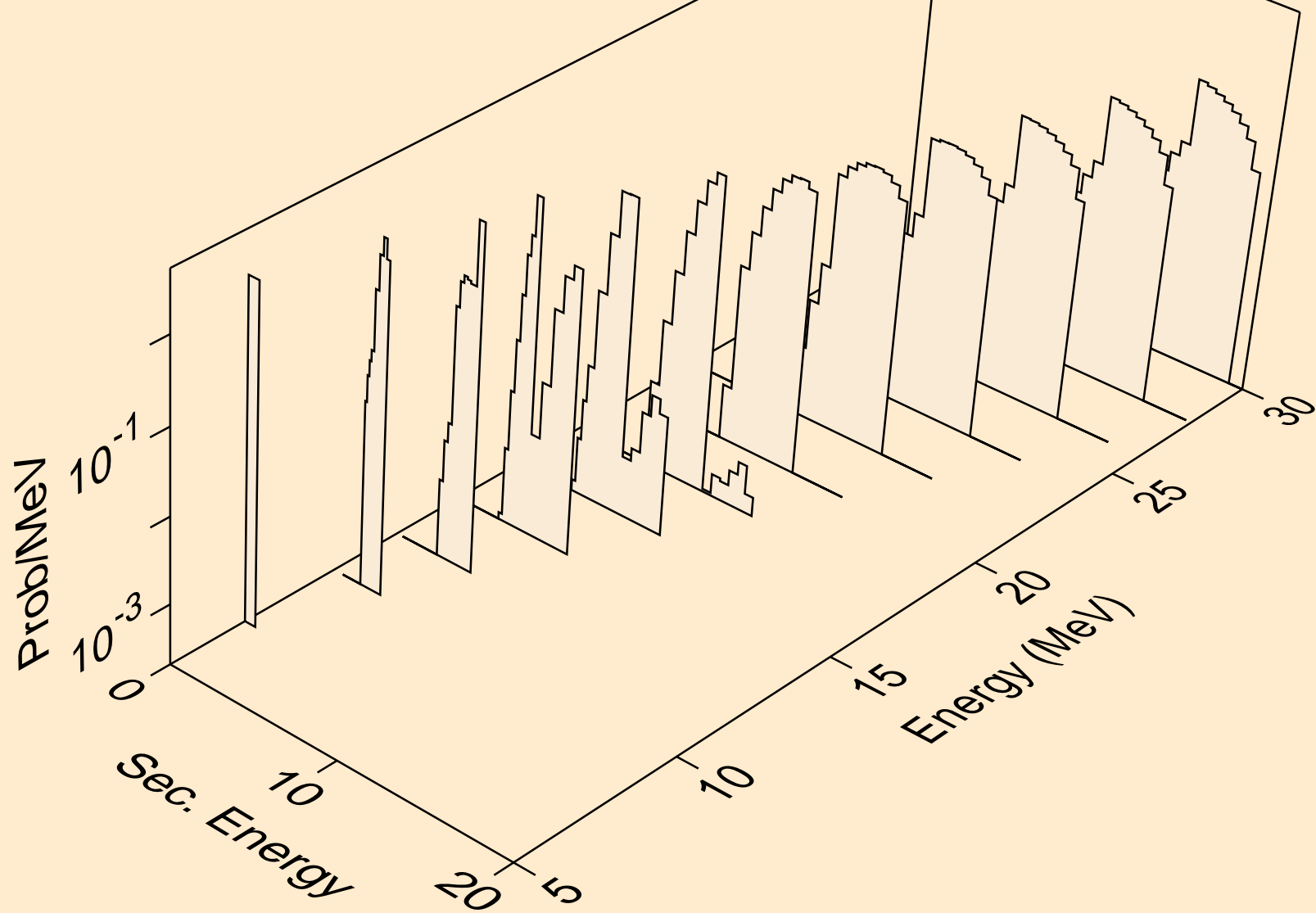




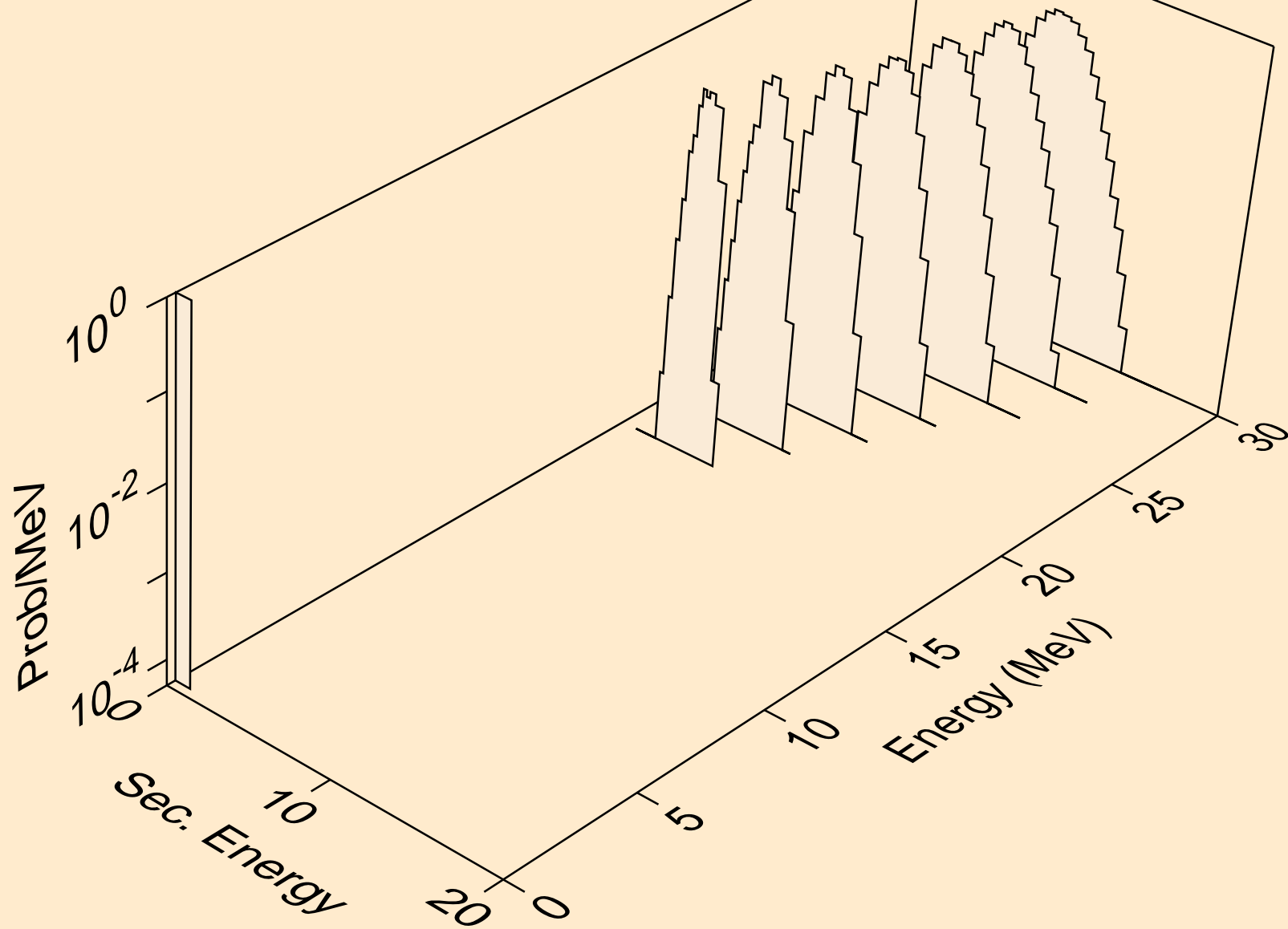
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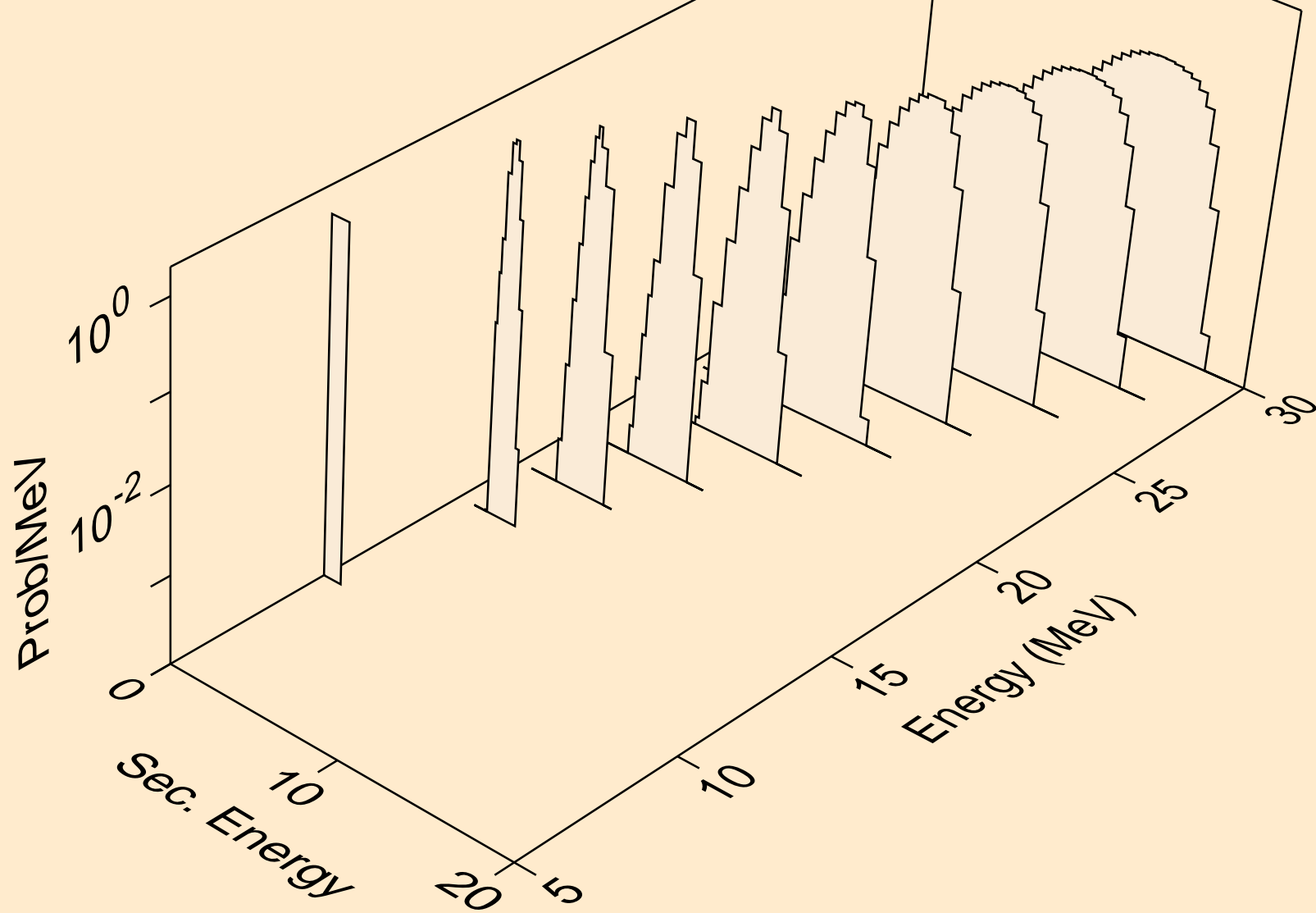
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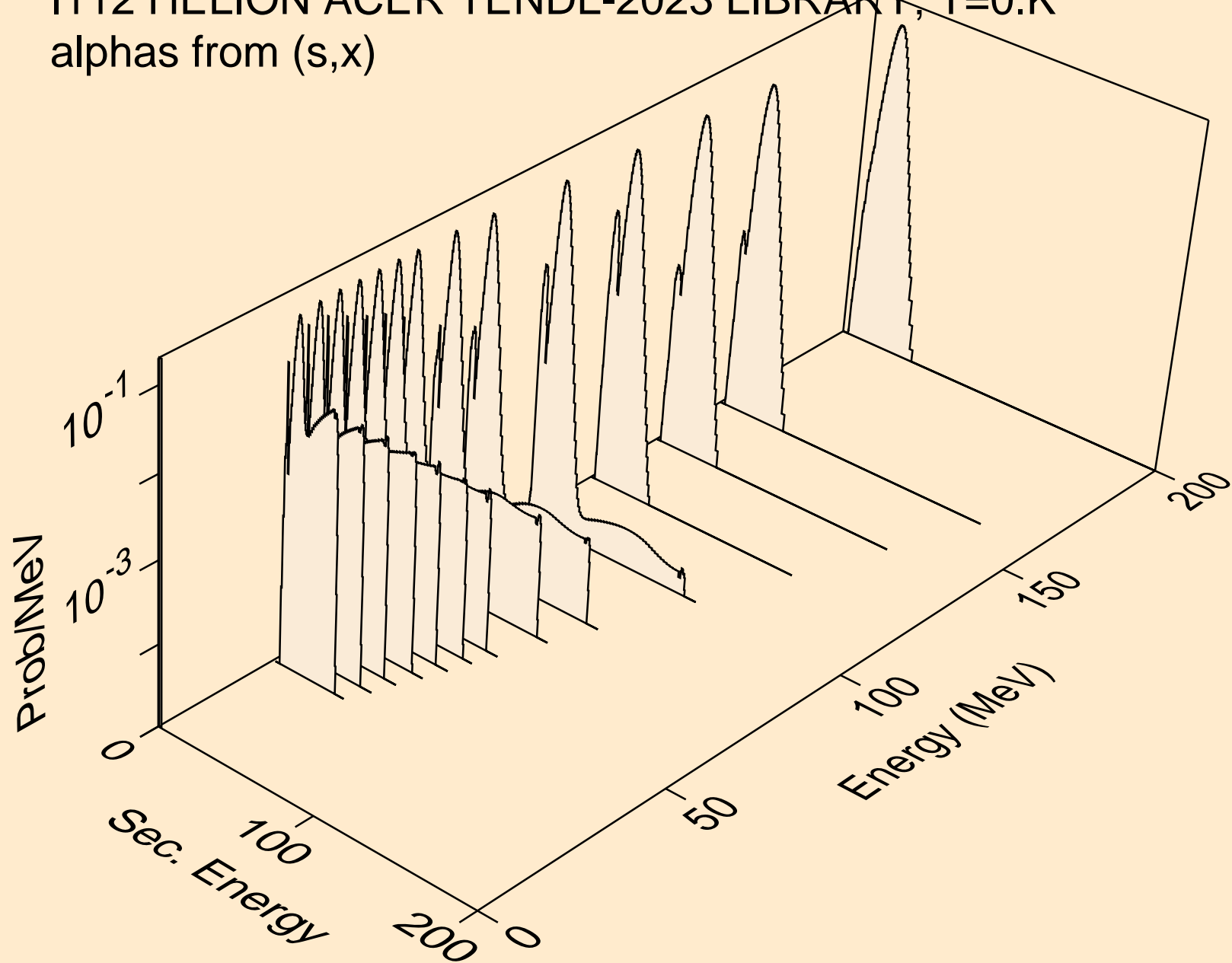
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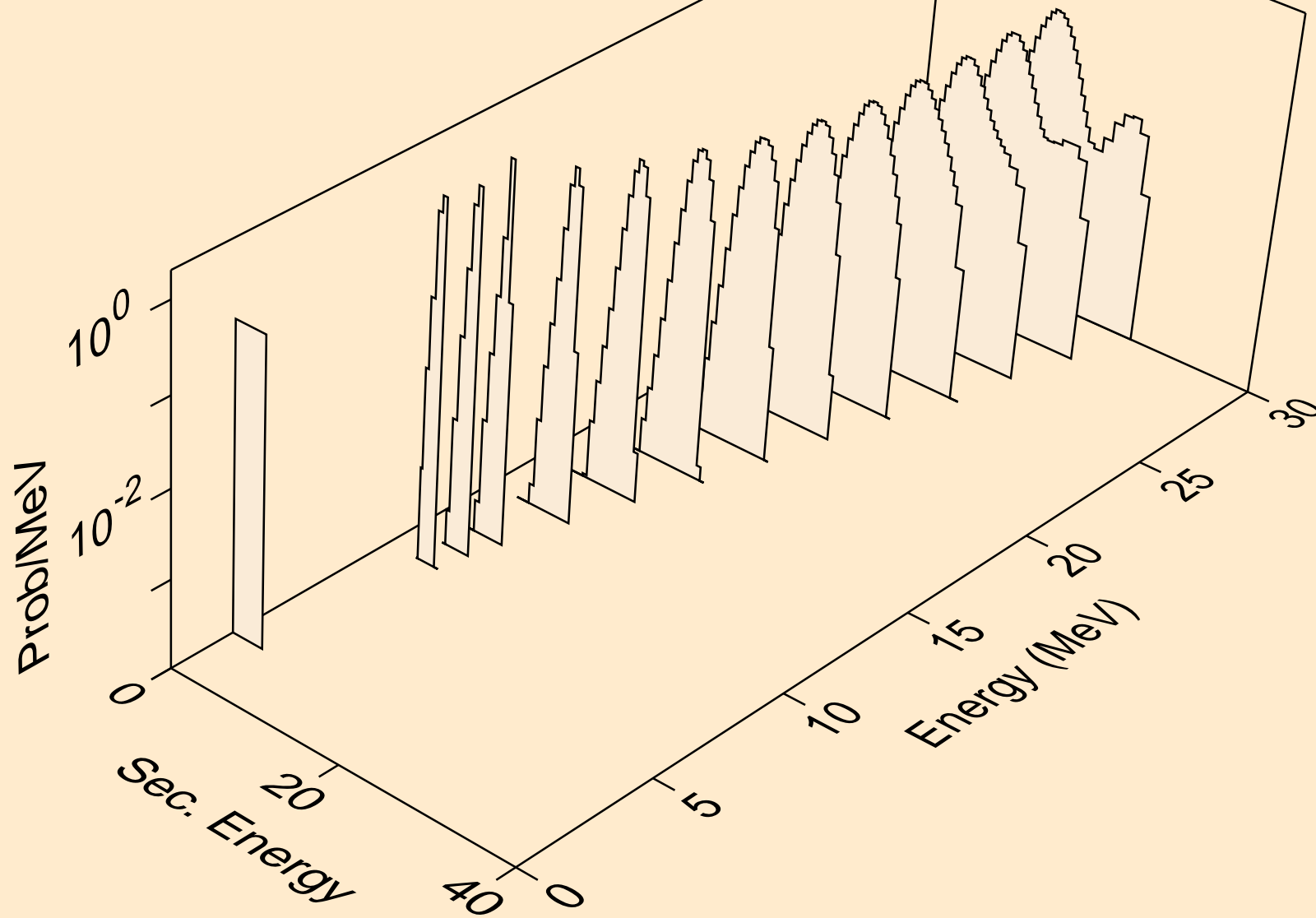
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tritons from (s,pt)



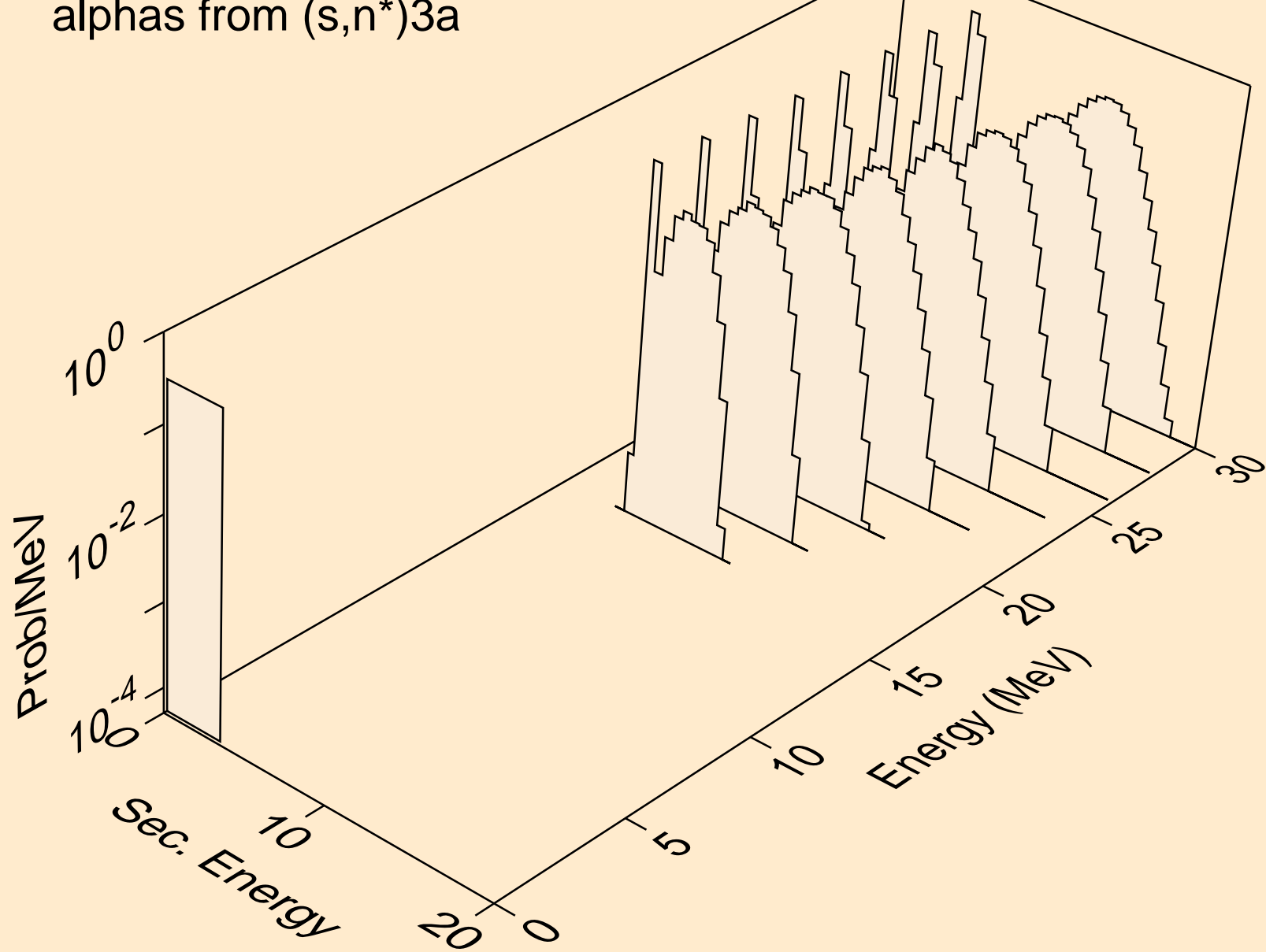
I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,x)



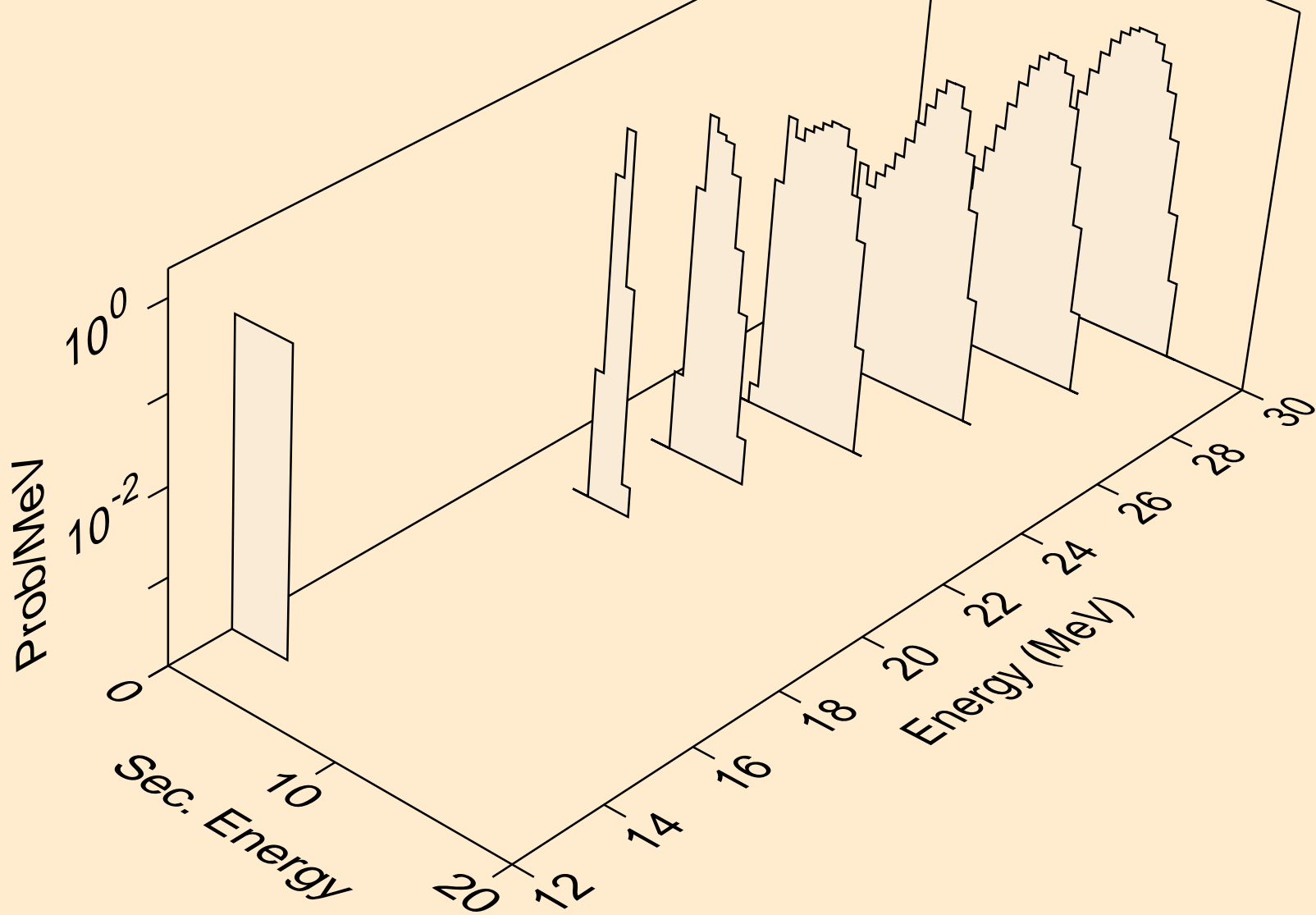
I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)a



I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)3a

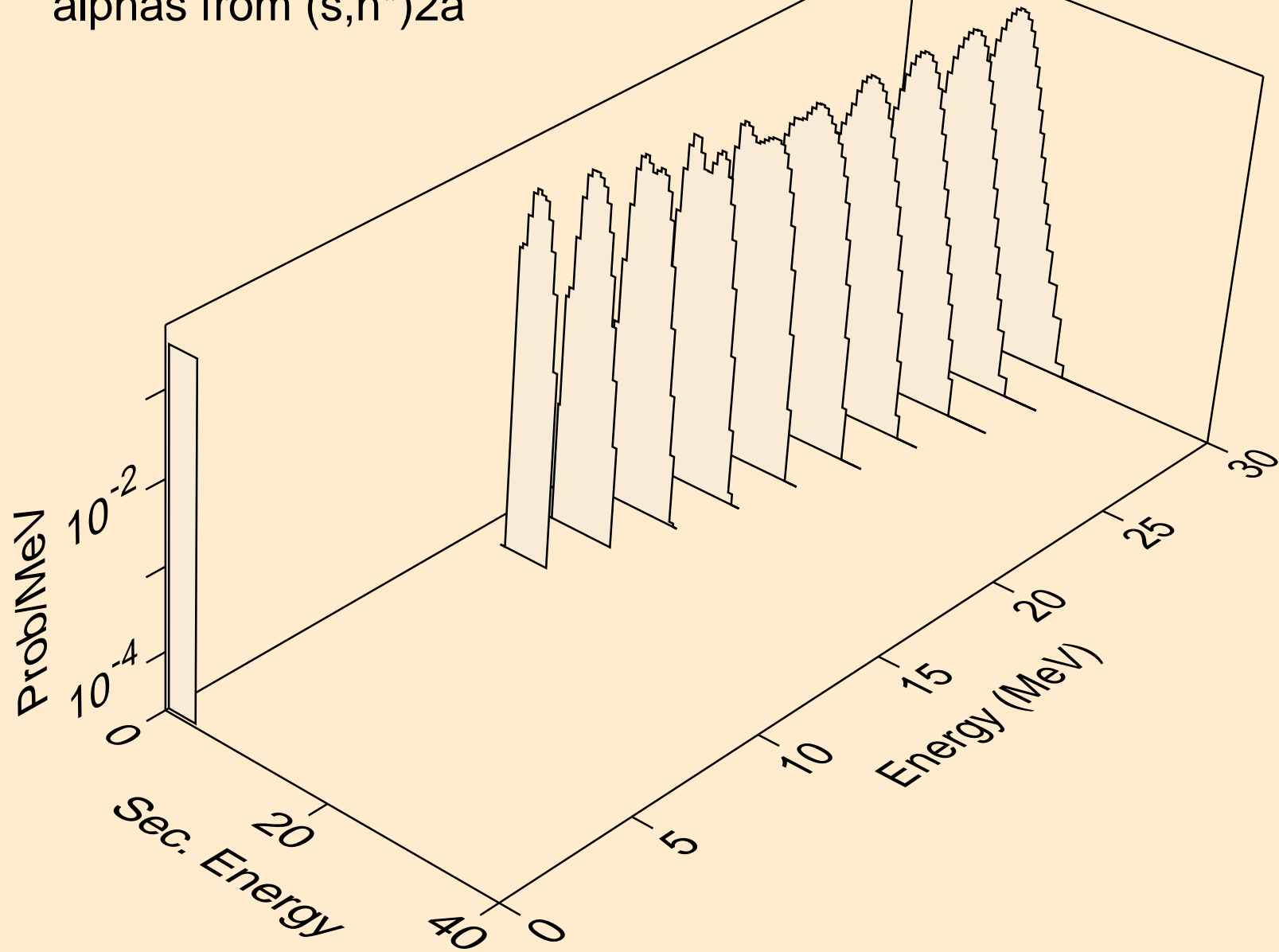


I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2n)a

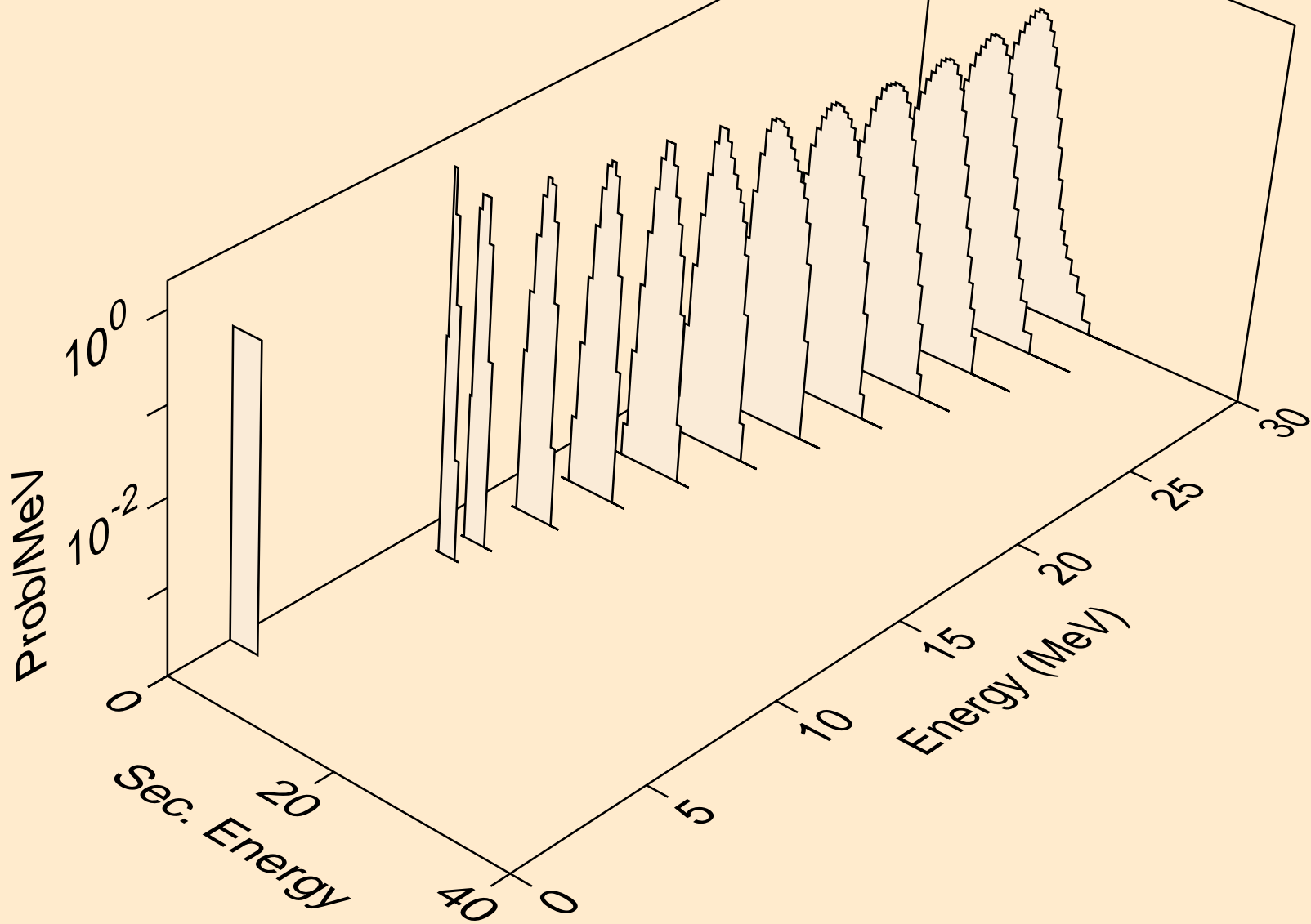




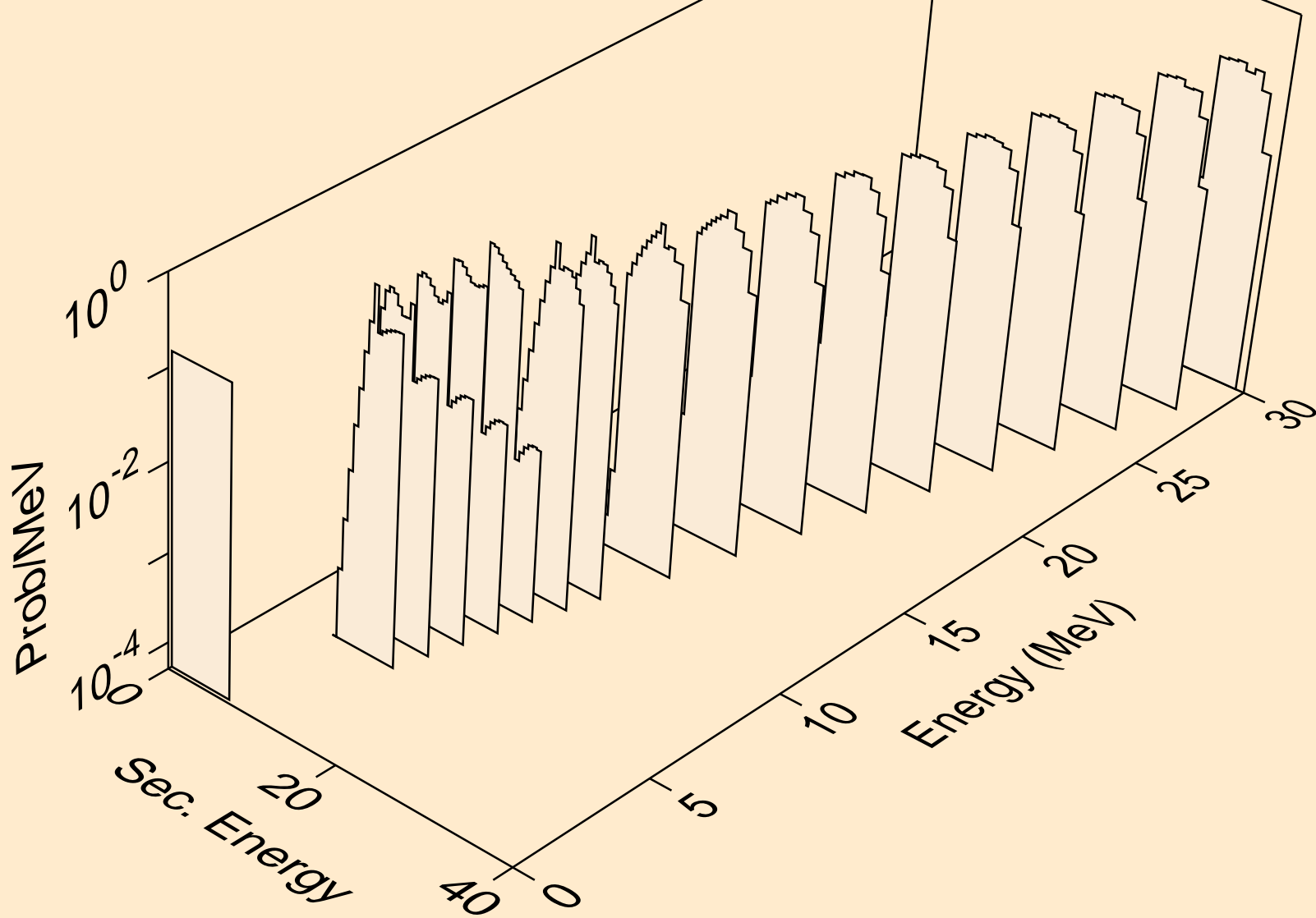
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alphas from (s,n\*)2a



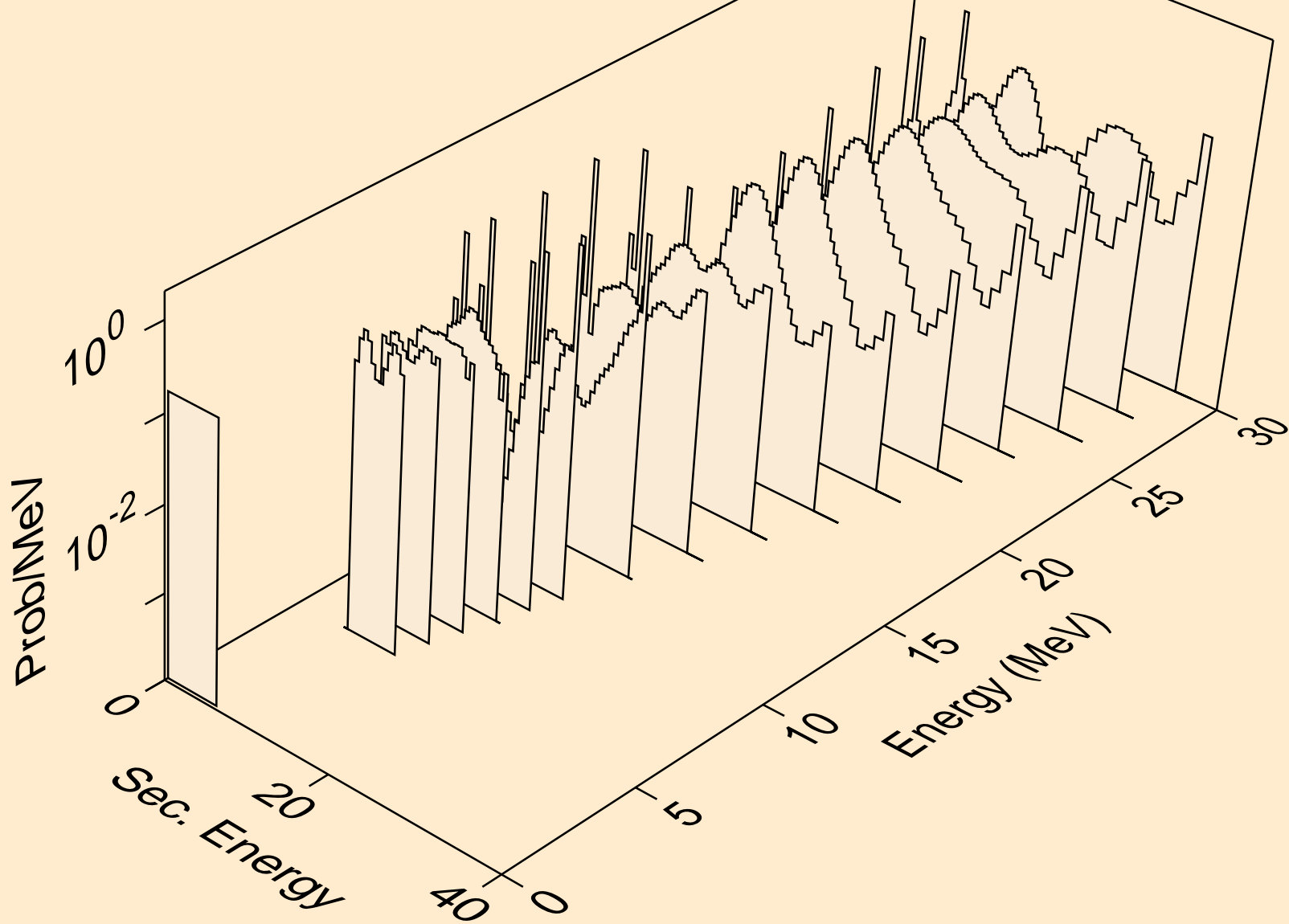
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alphas from (s,npa)



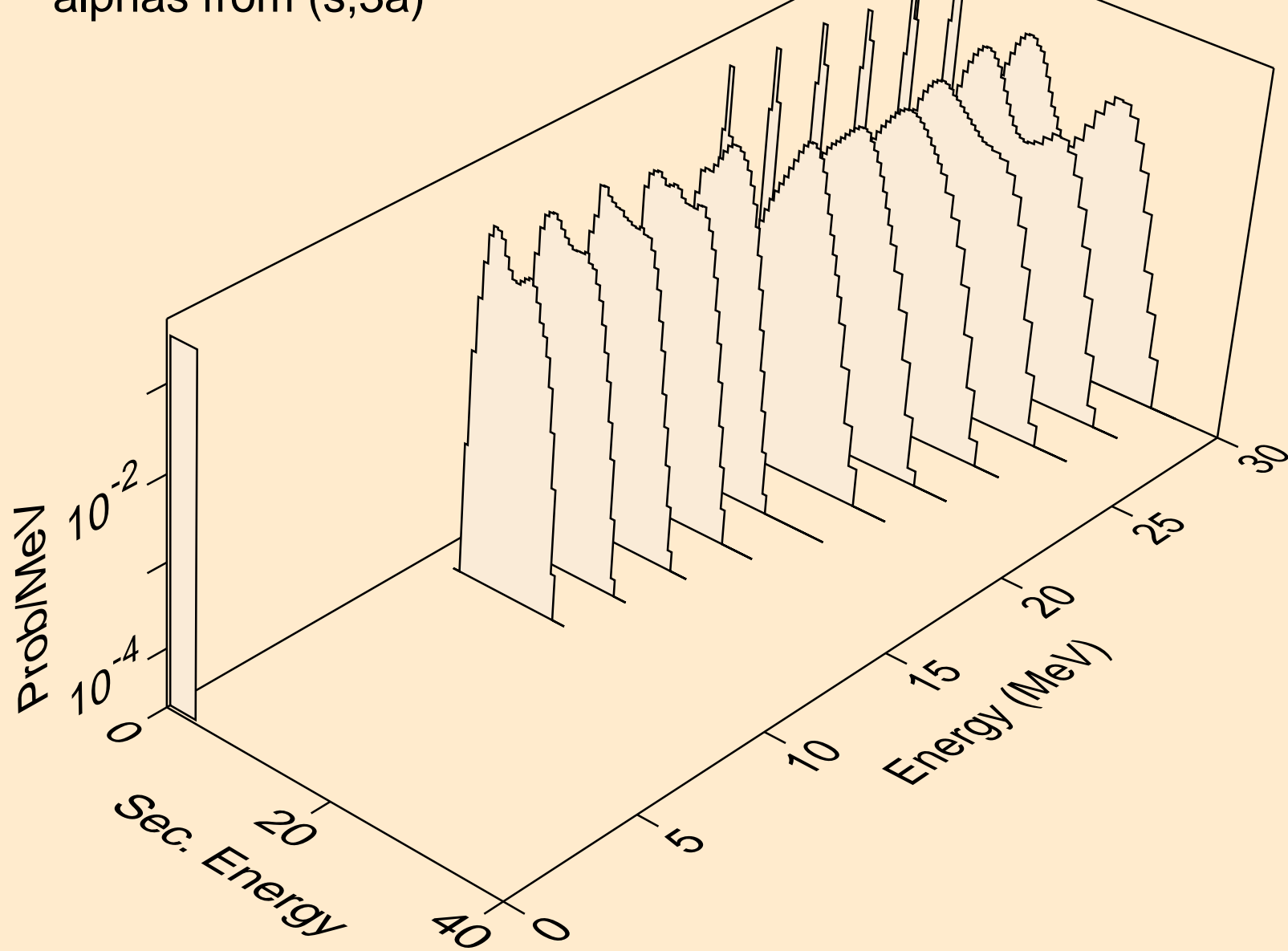
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alphas from (s,a)



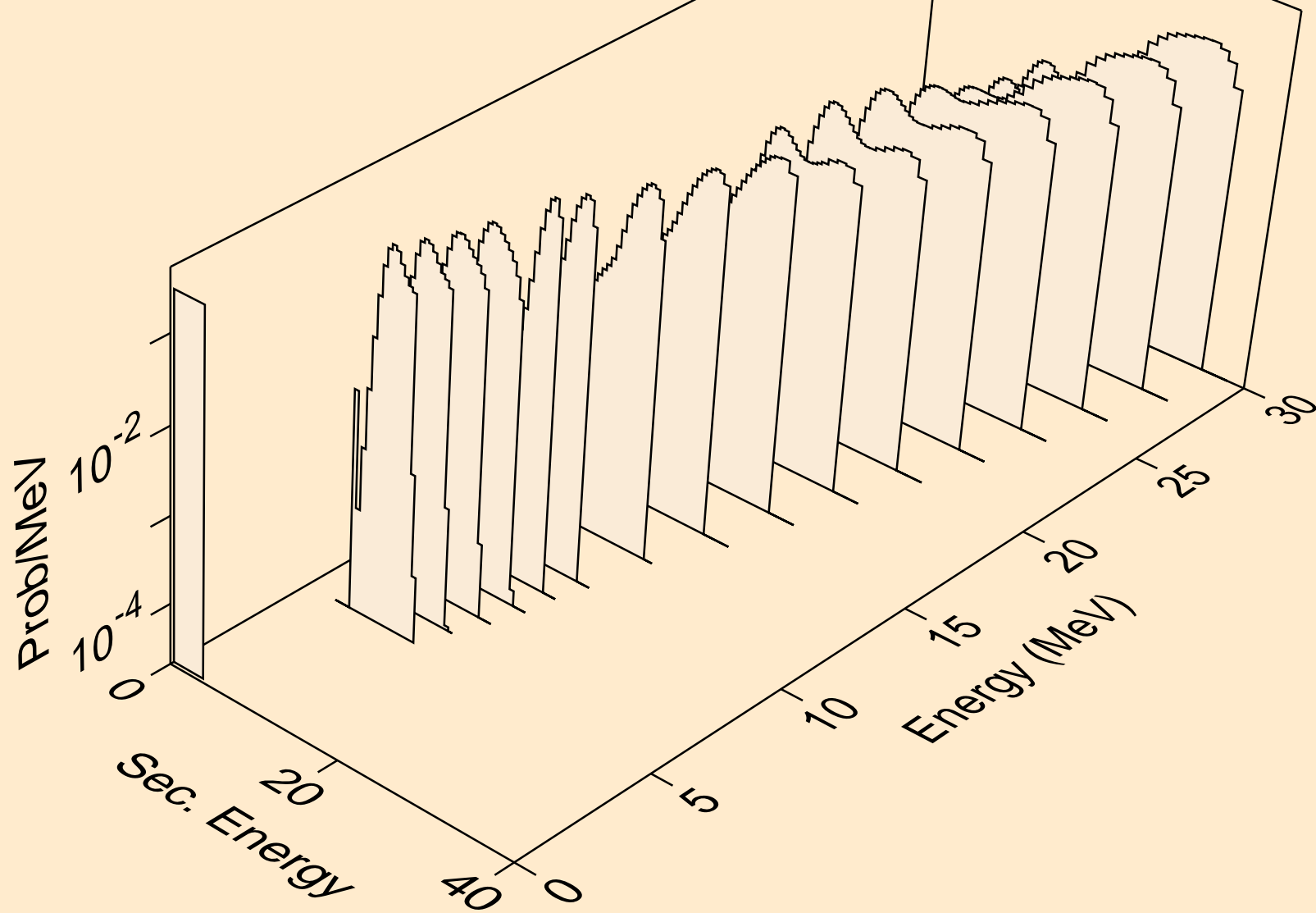
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alphas from (s,2a)



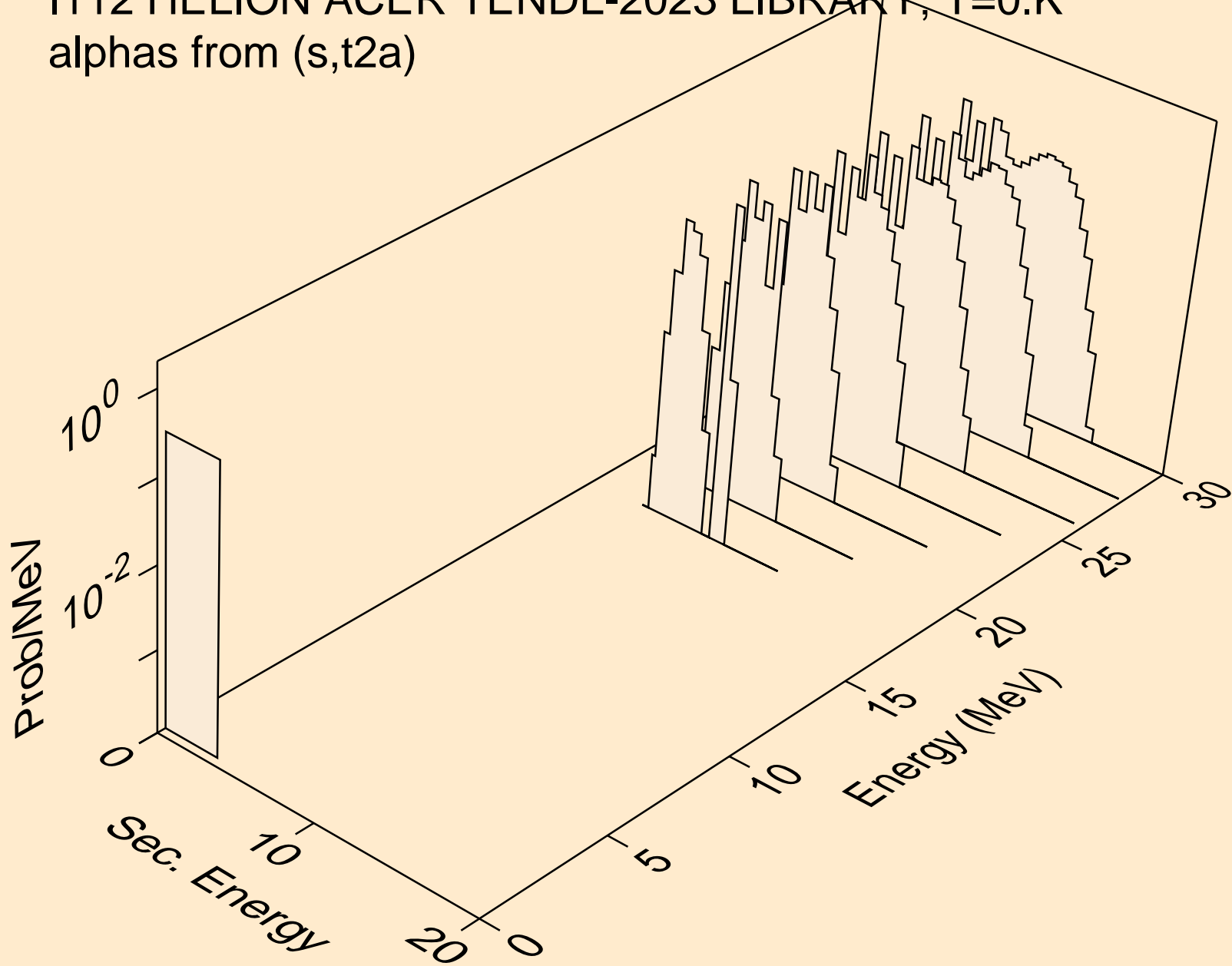
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alphas from (s,3a)



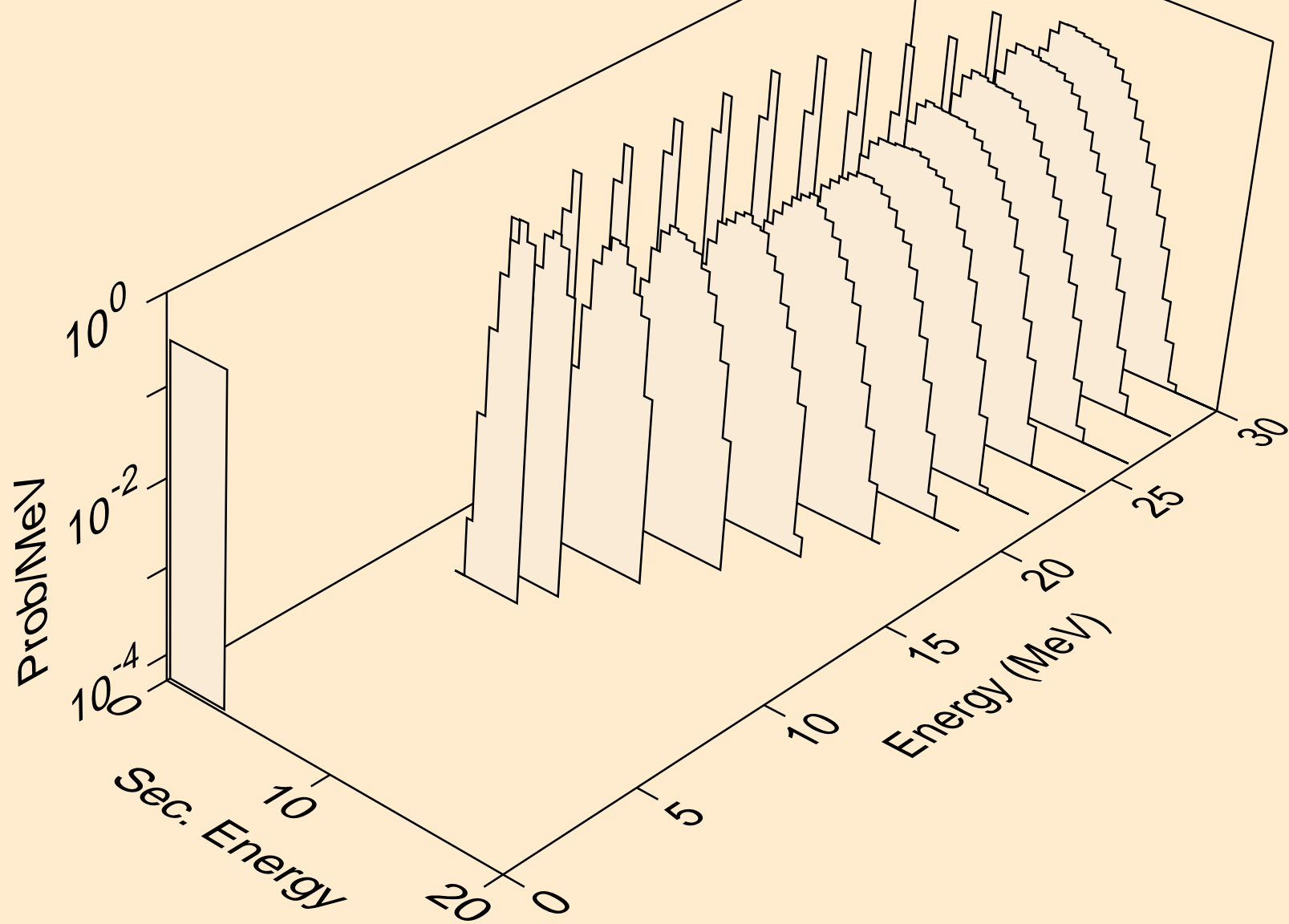
I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,t2a)



I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,d2a)





I112 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

