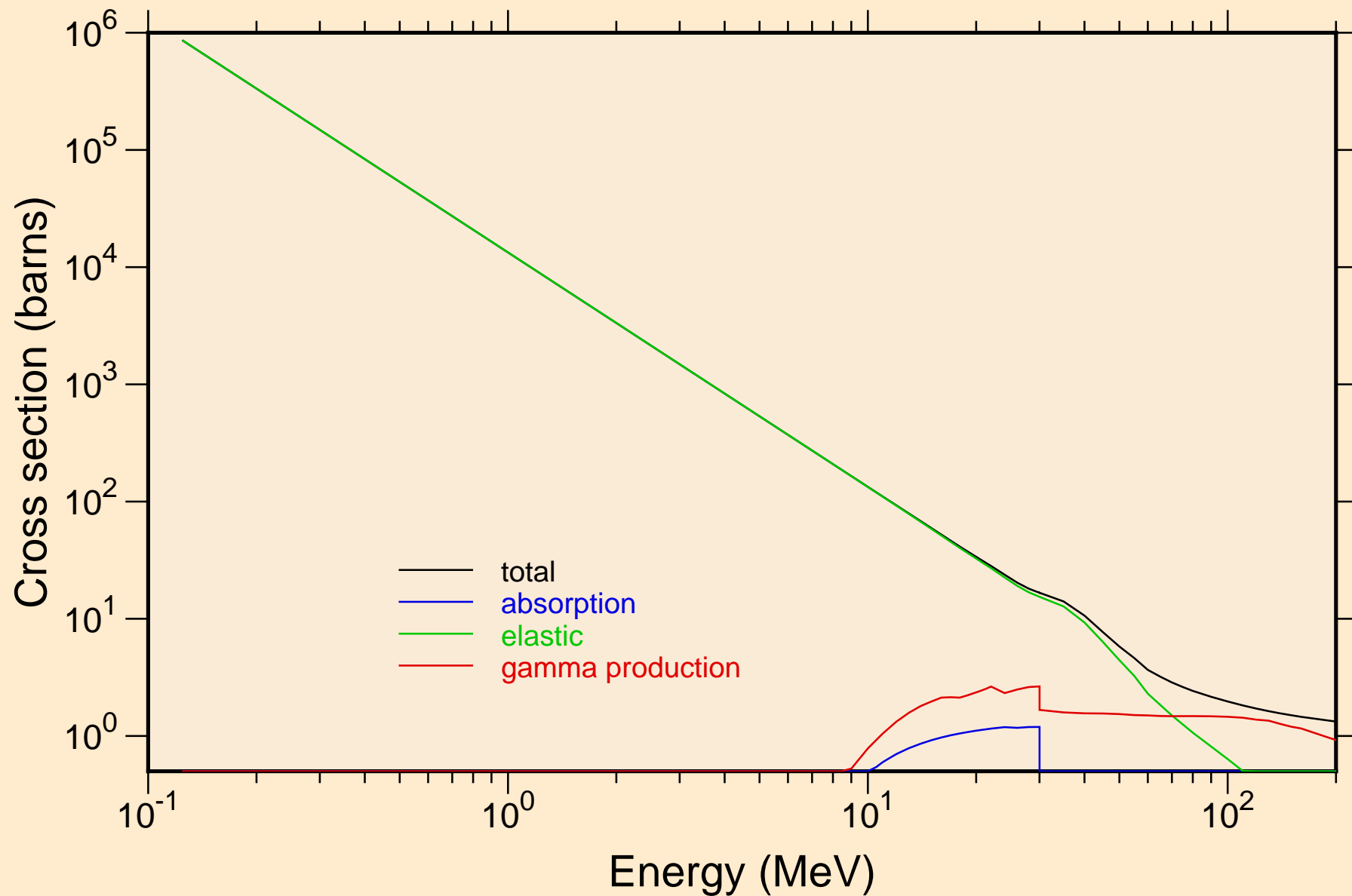
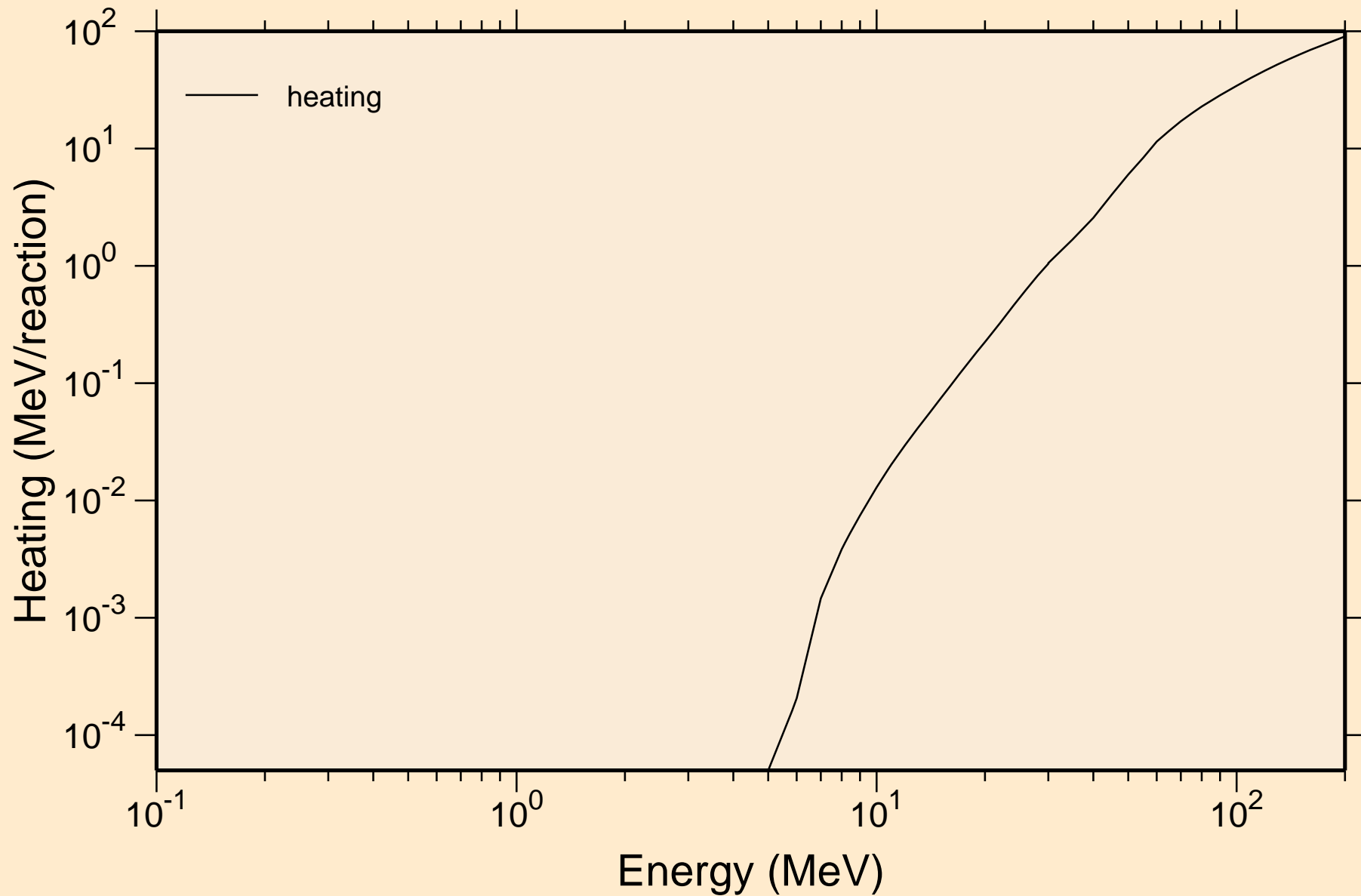


# TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

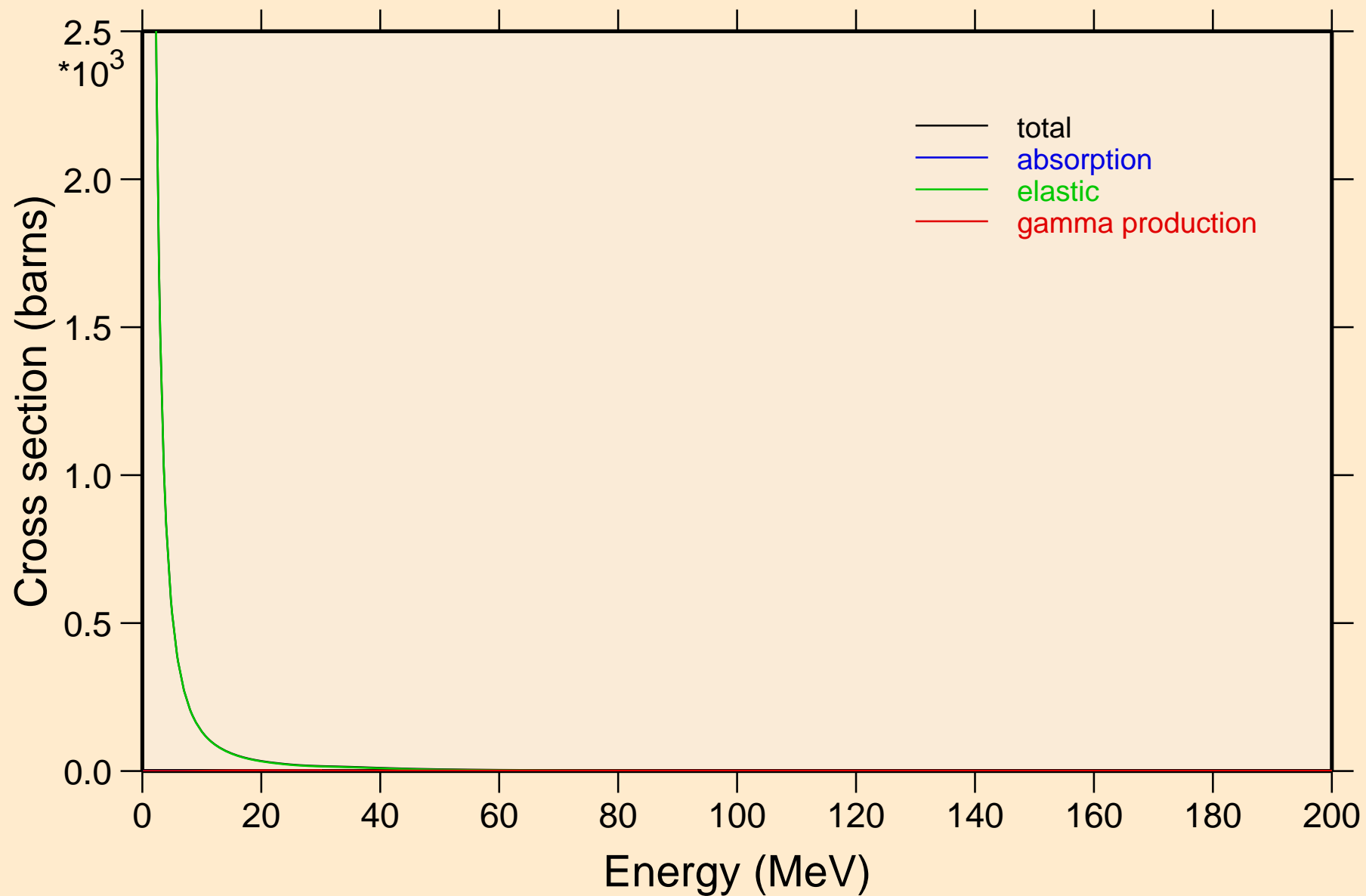


TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Heating

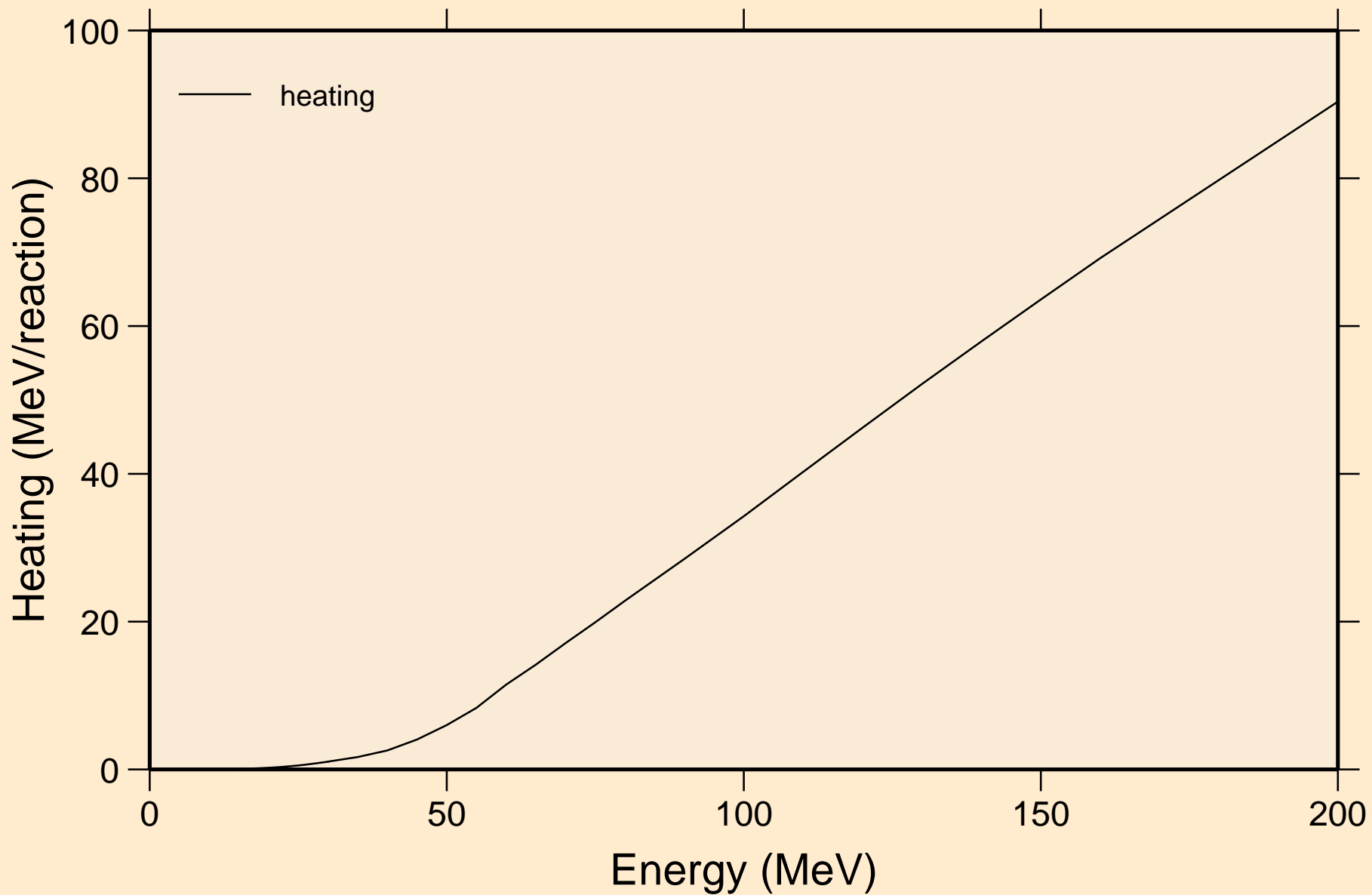


# TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

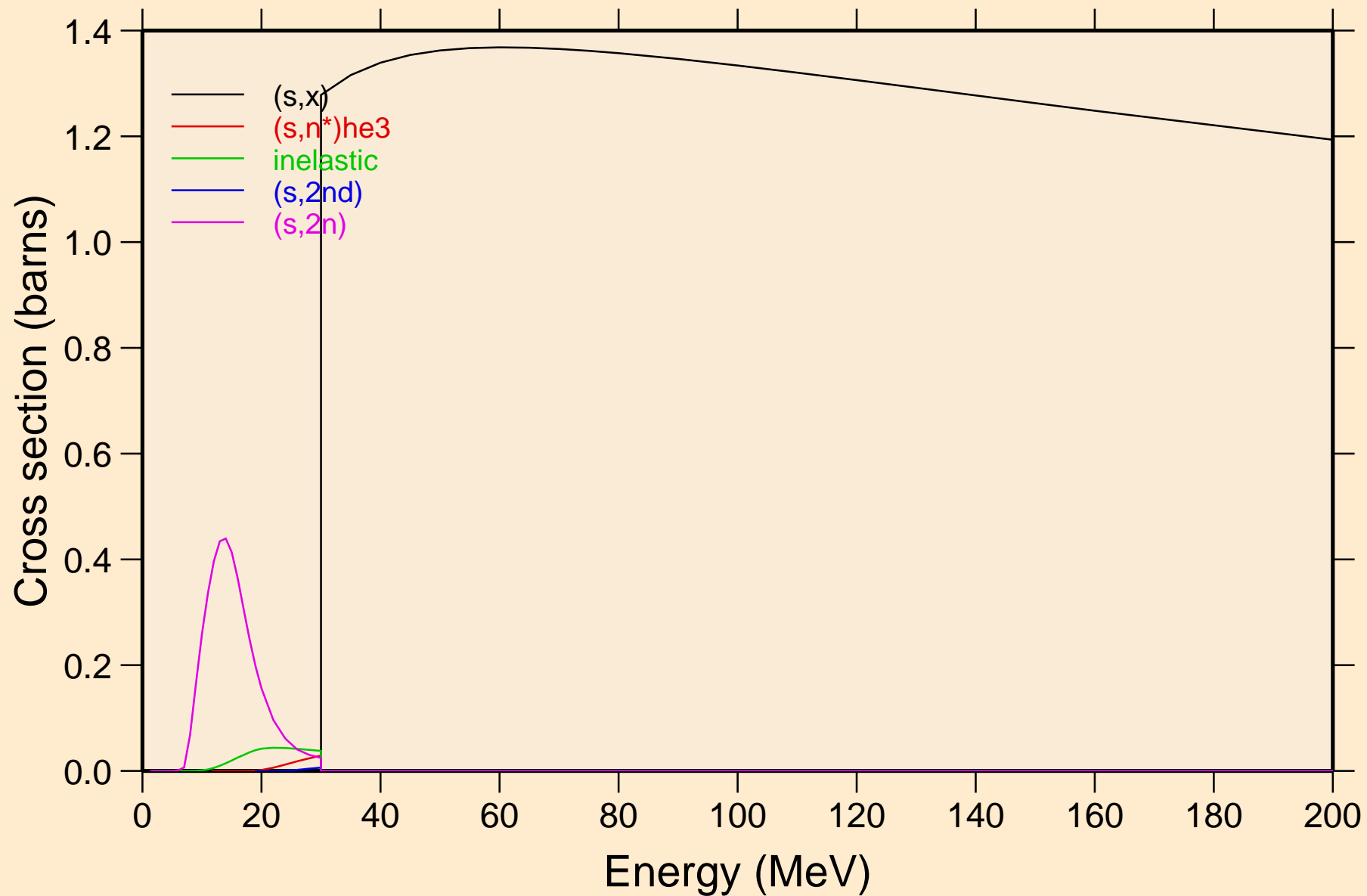


TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Heating

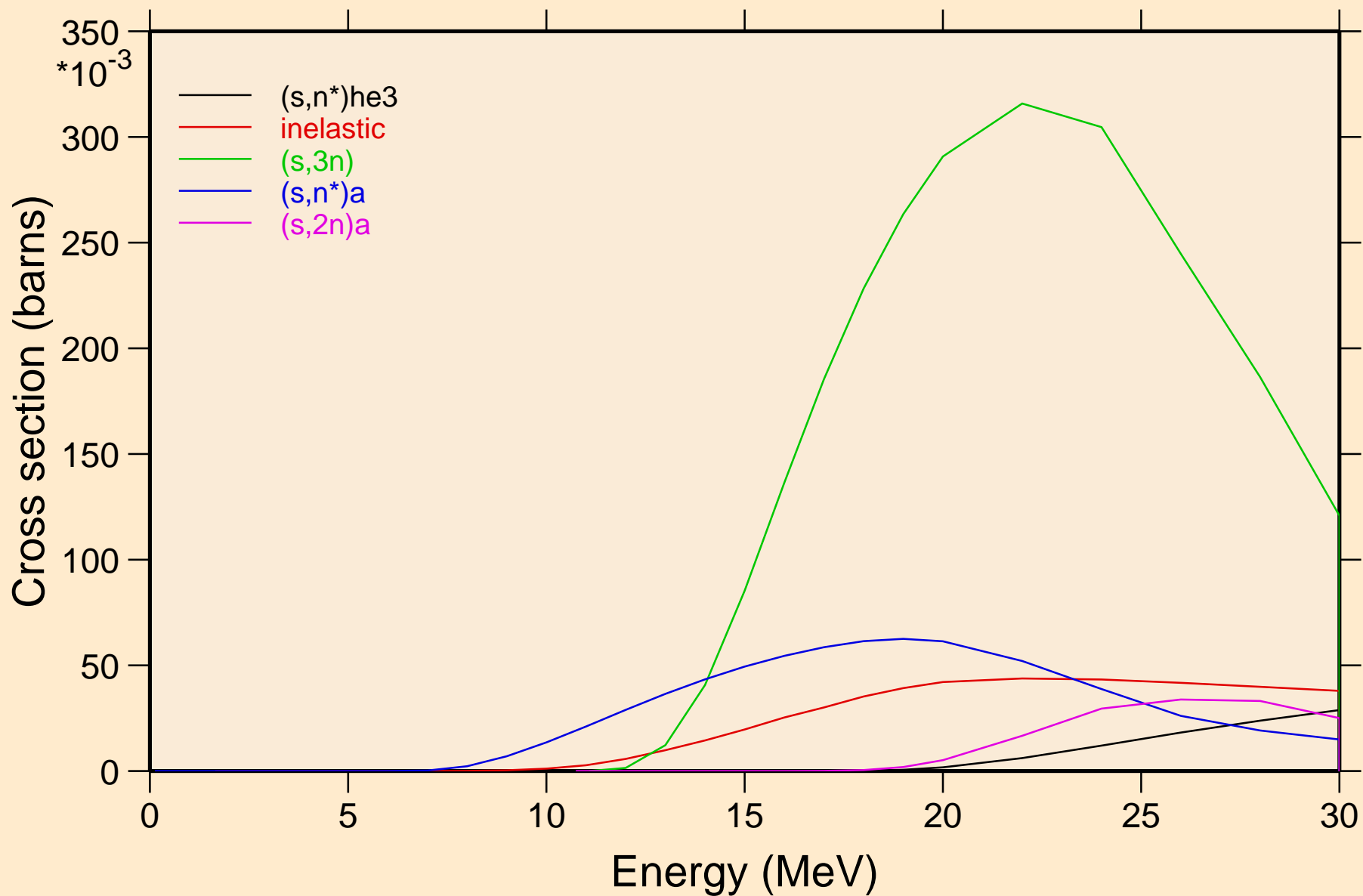


# TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K

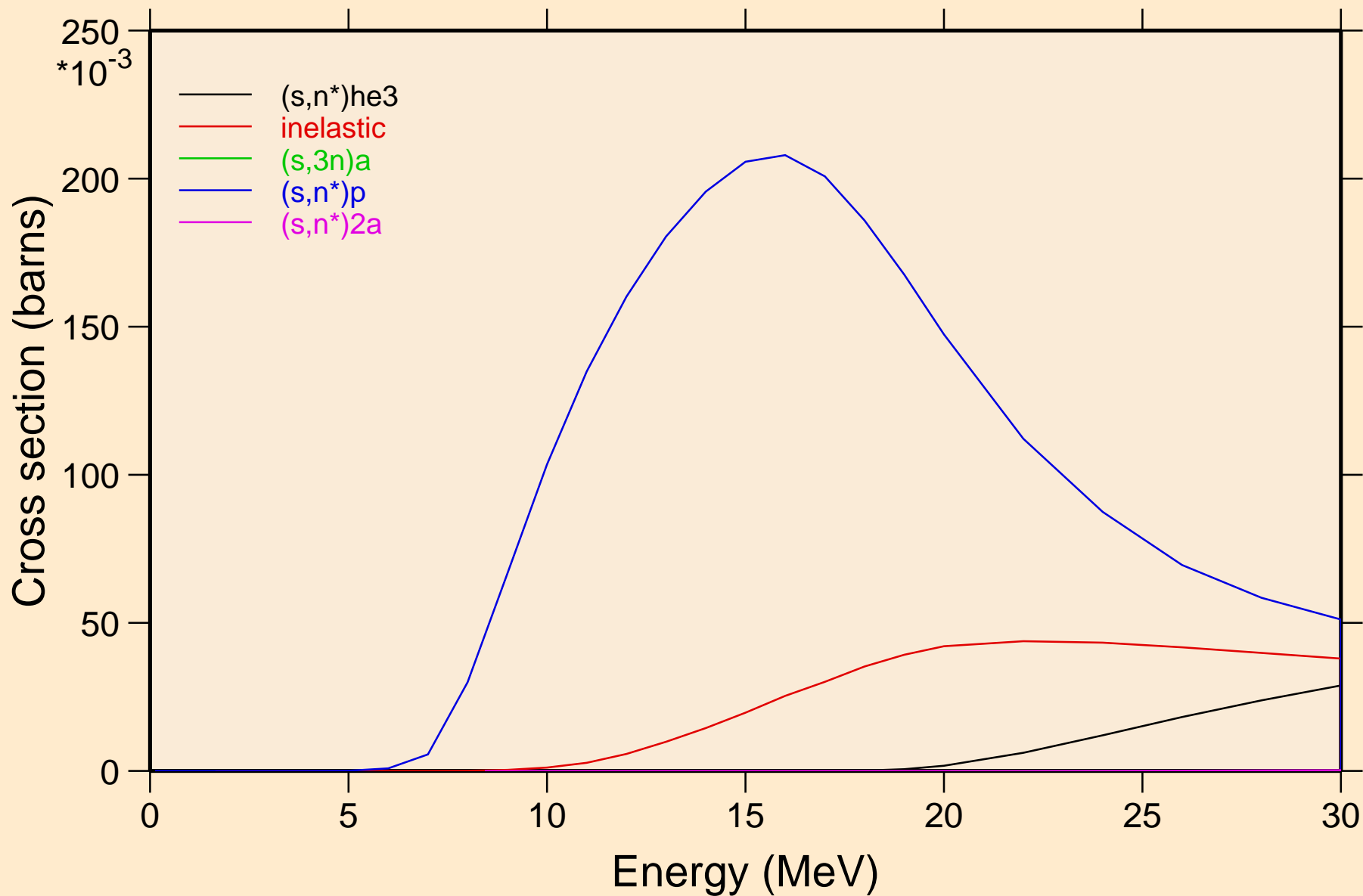
## Threshold reactions



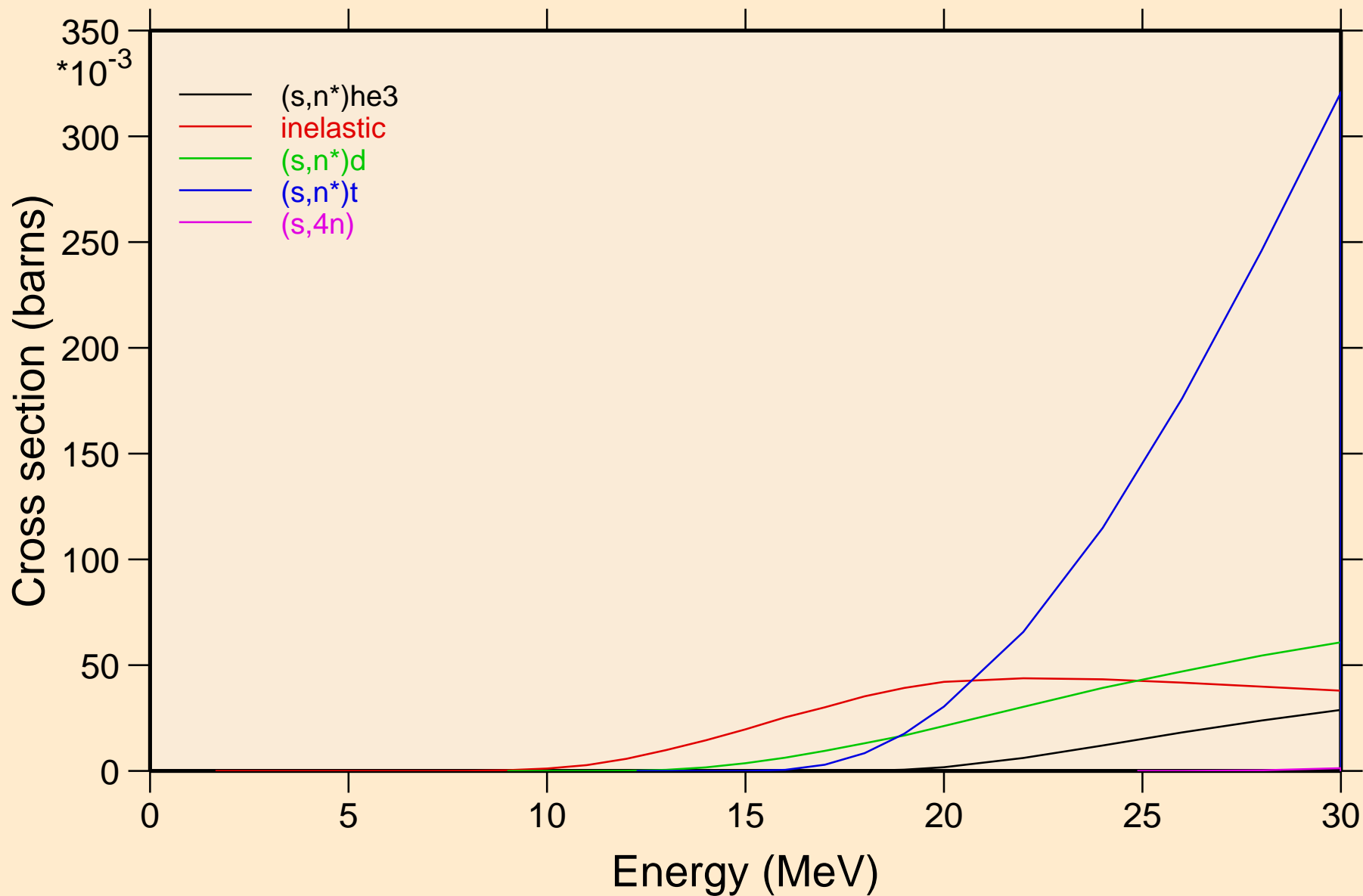
TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

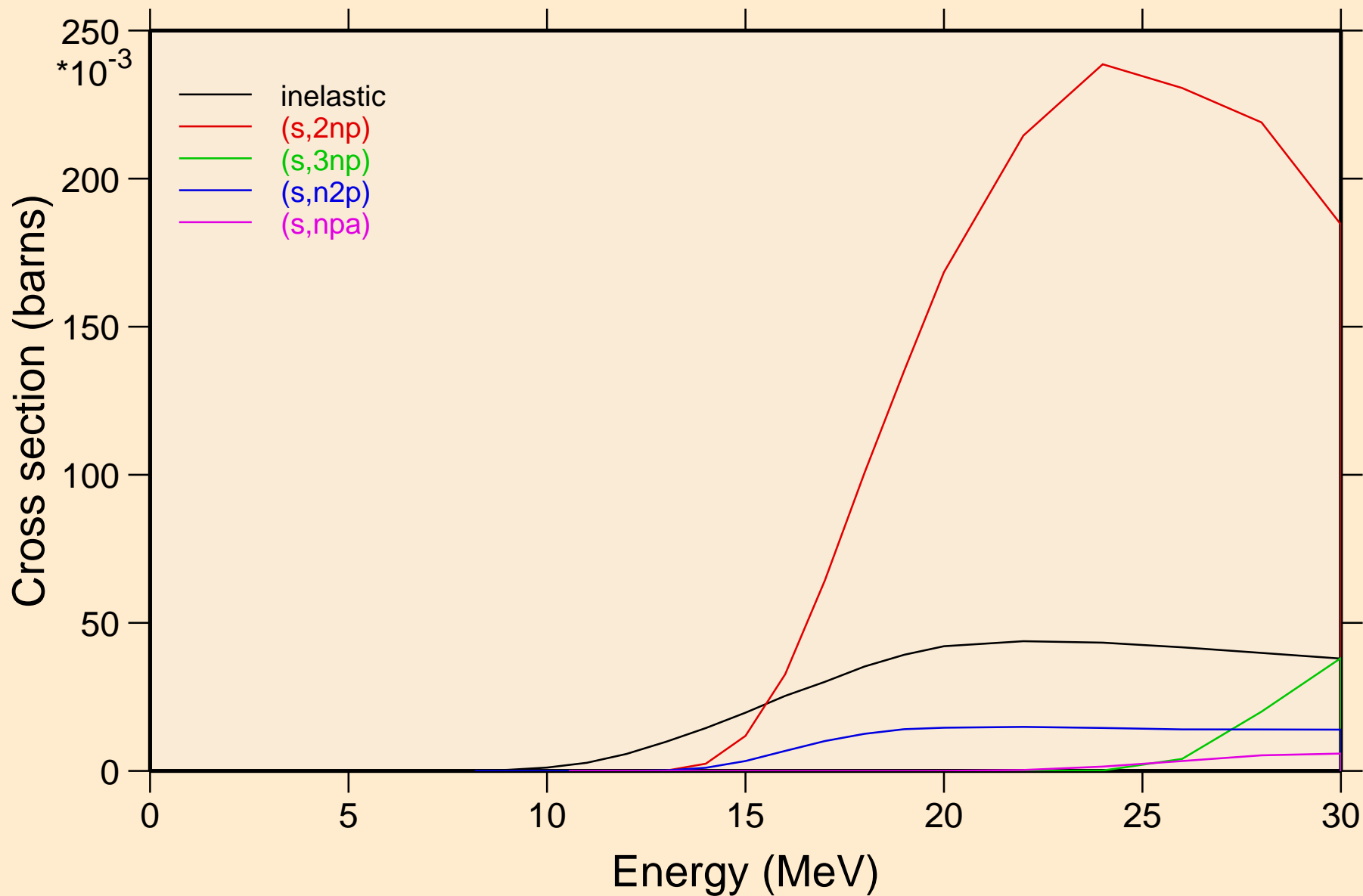


TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

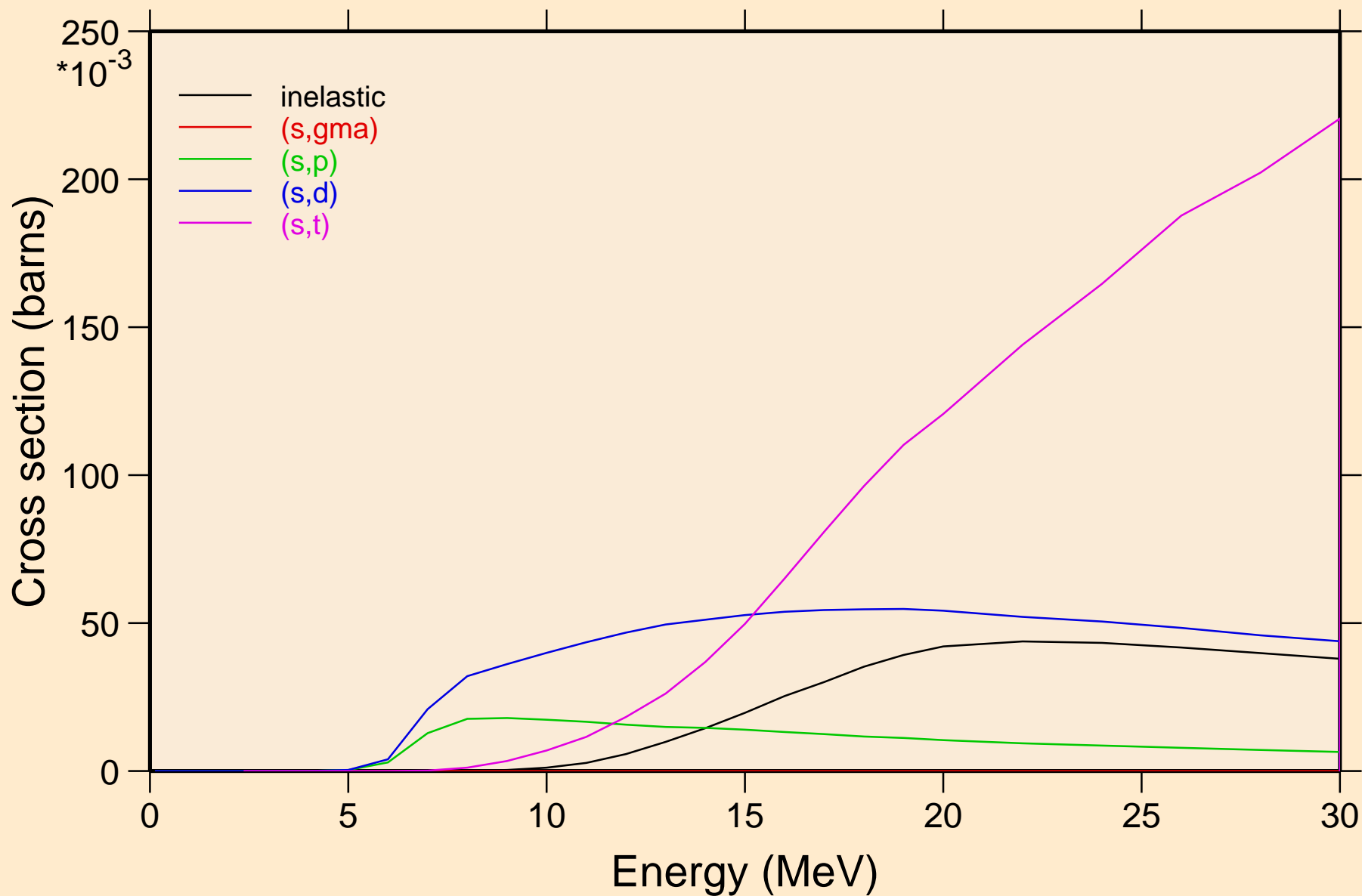




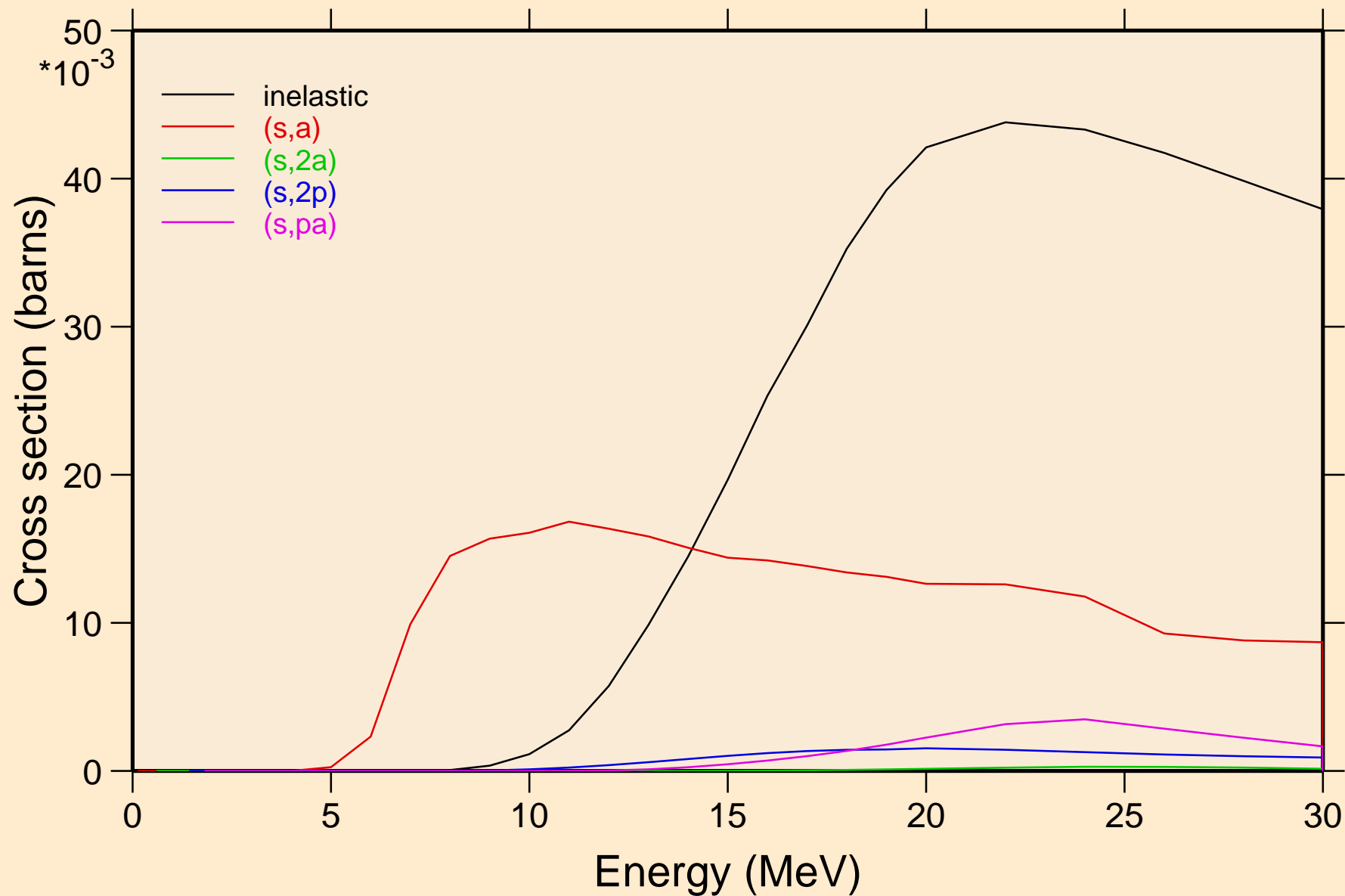
TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



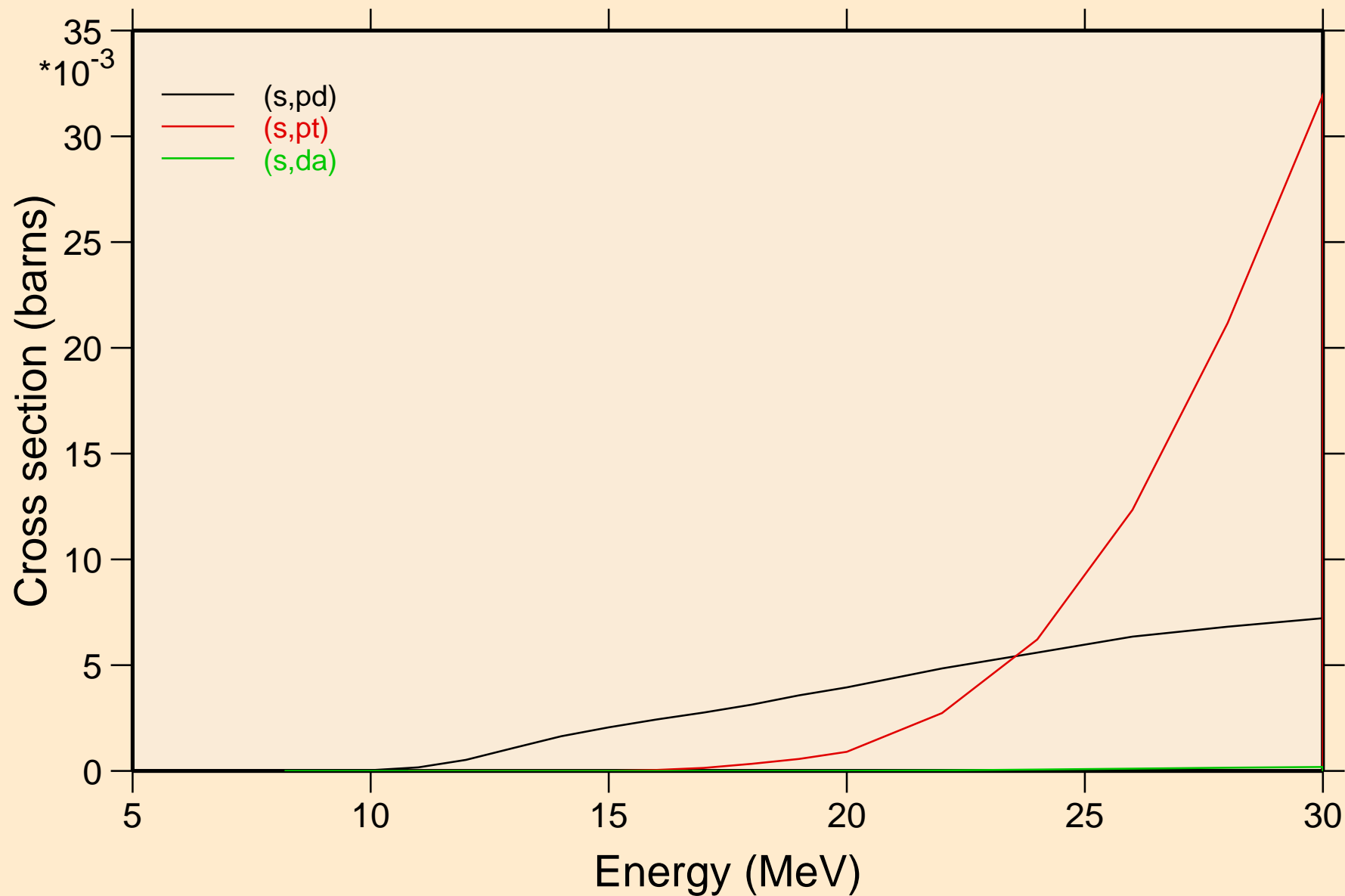
TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



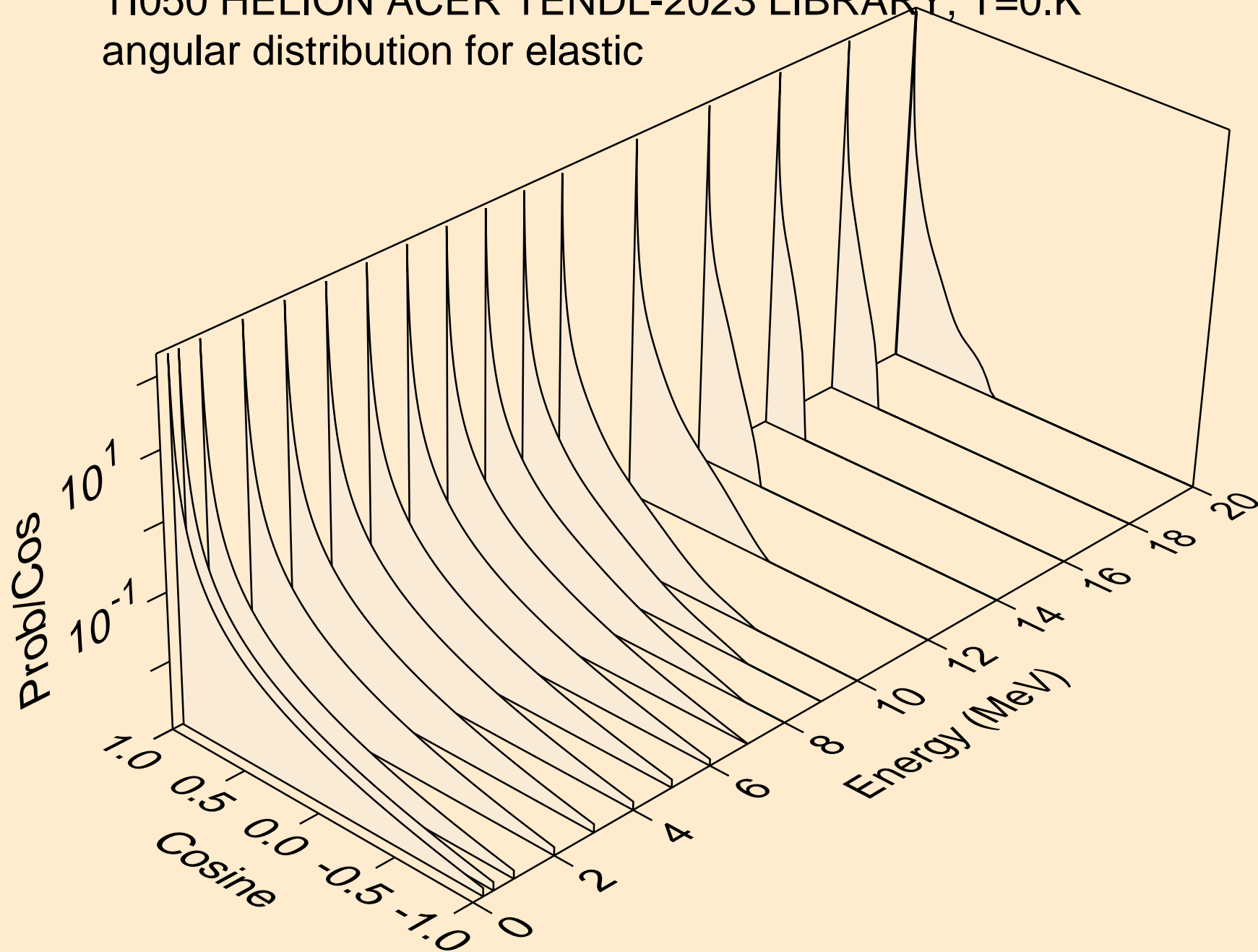
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Threshold reactions



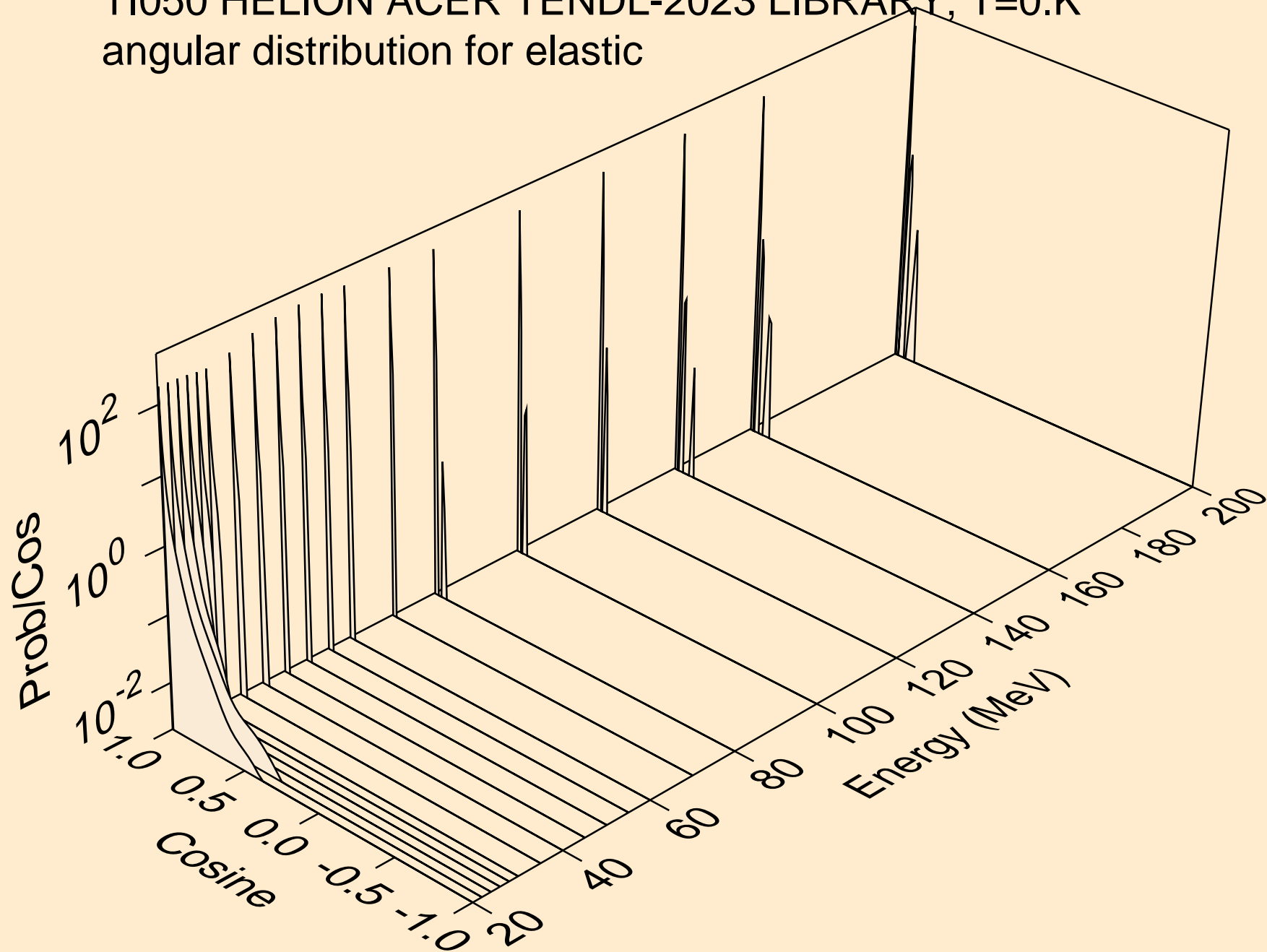
TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



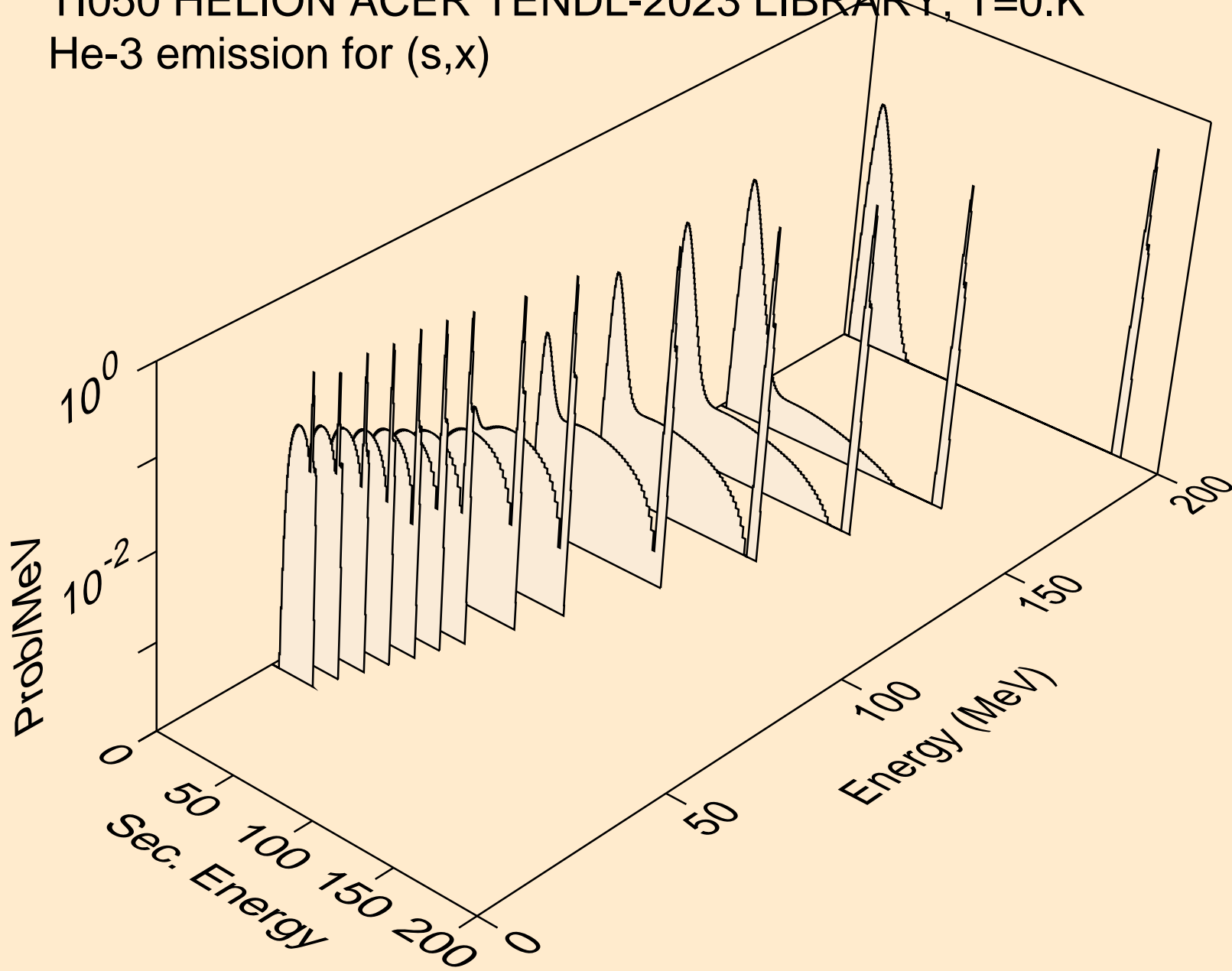
TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



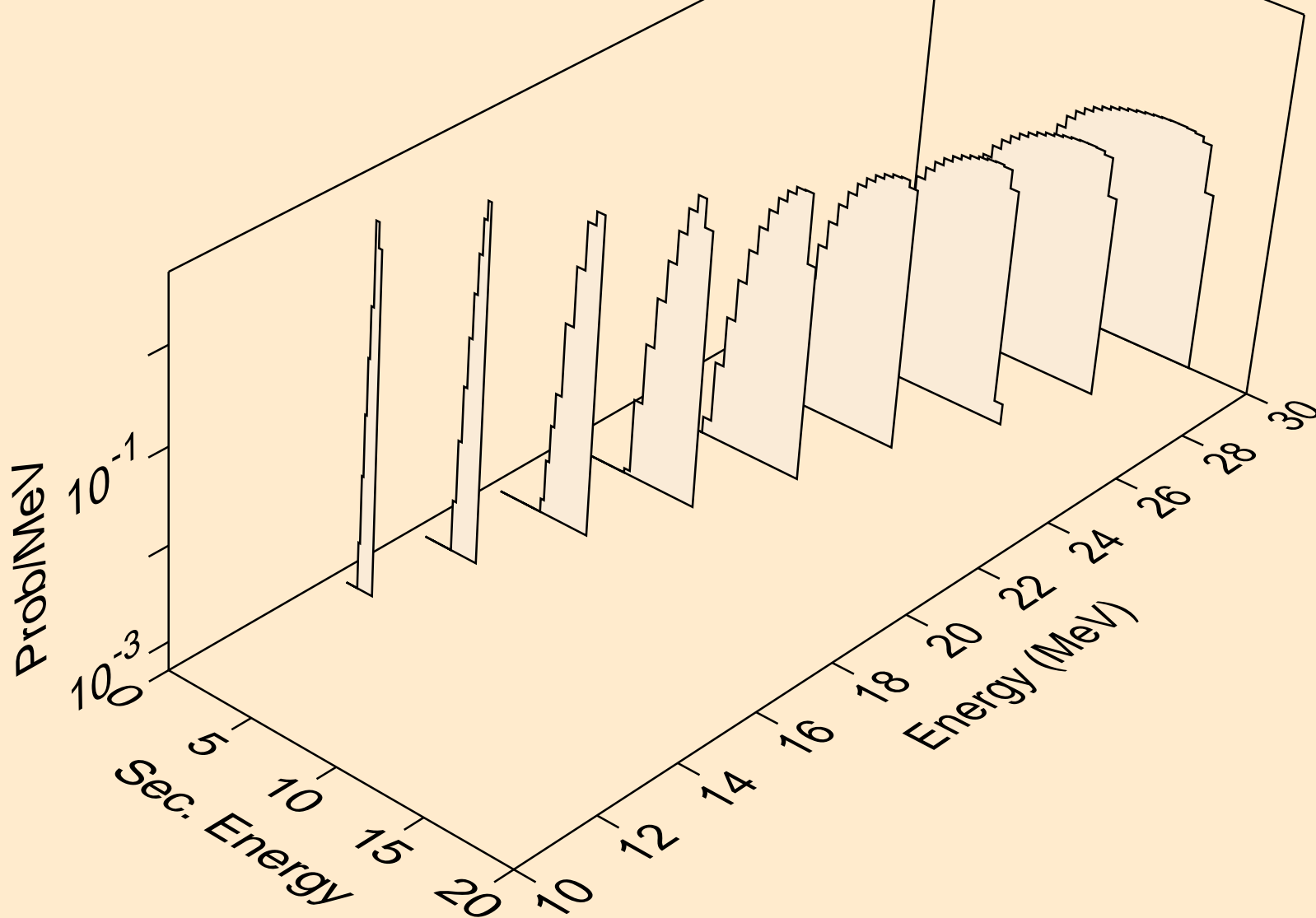
TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)

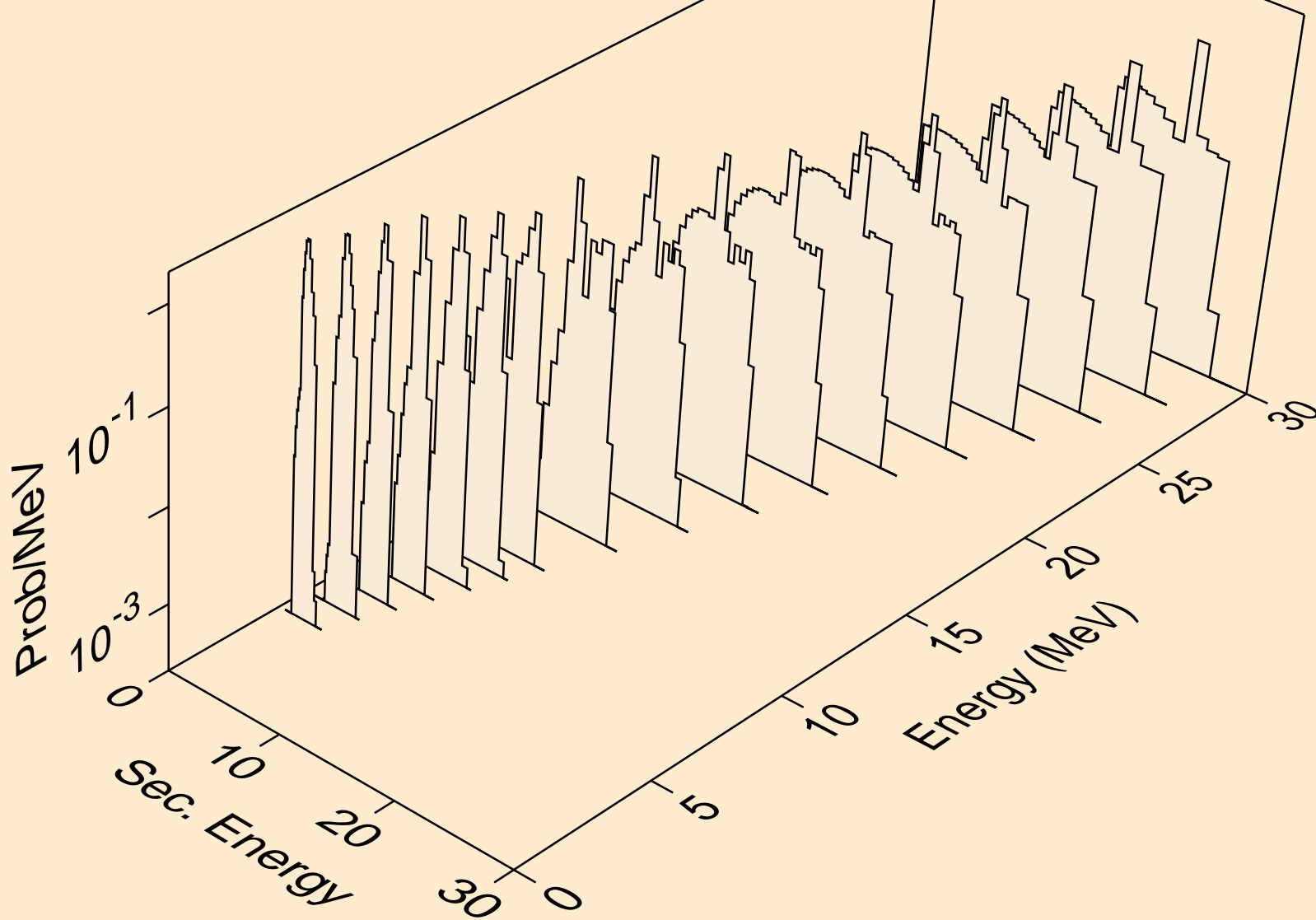


TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

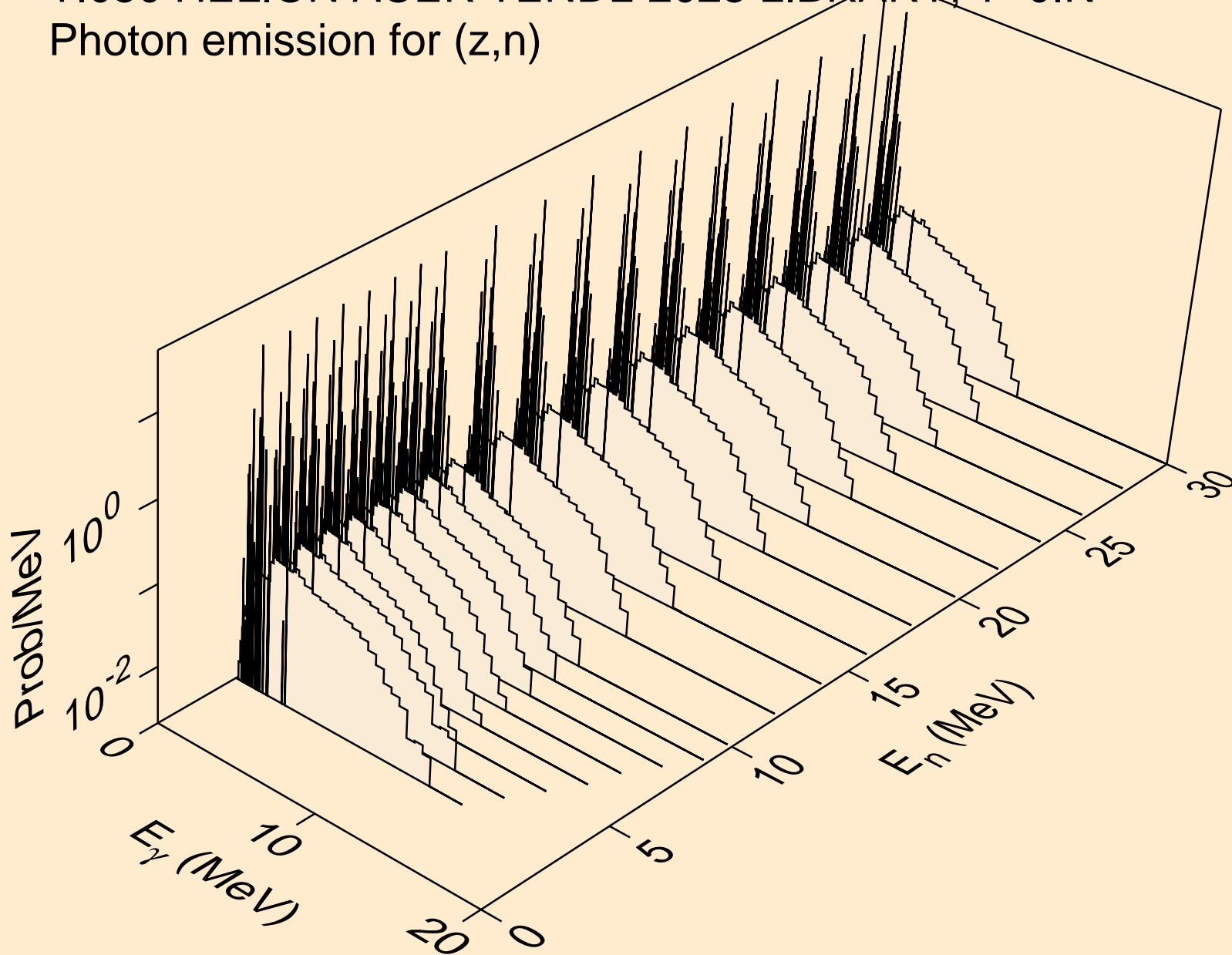




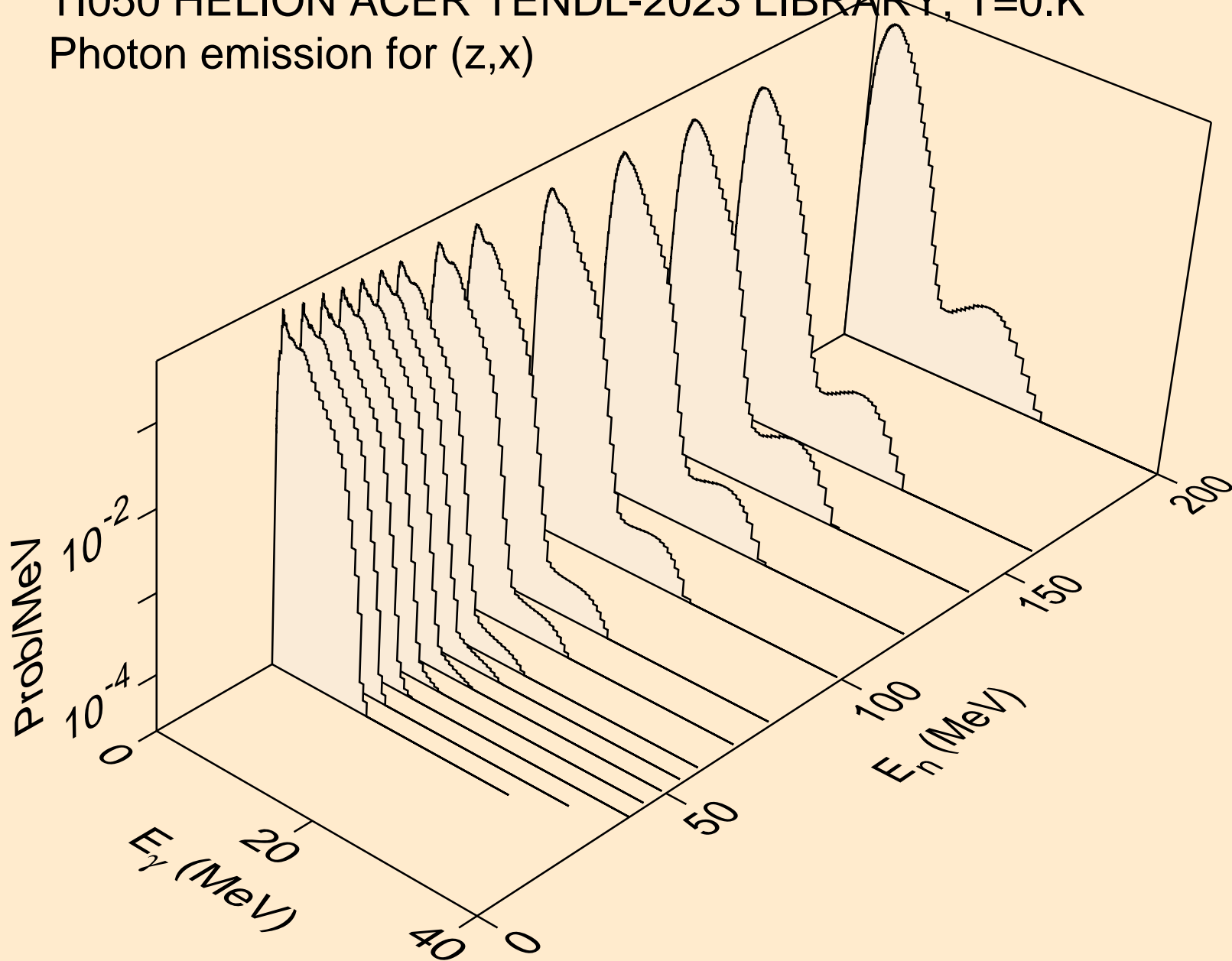
TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic



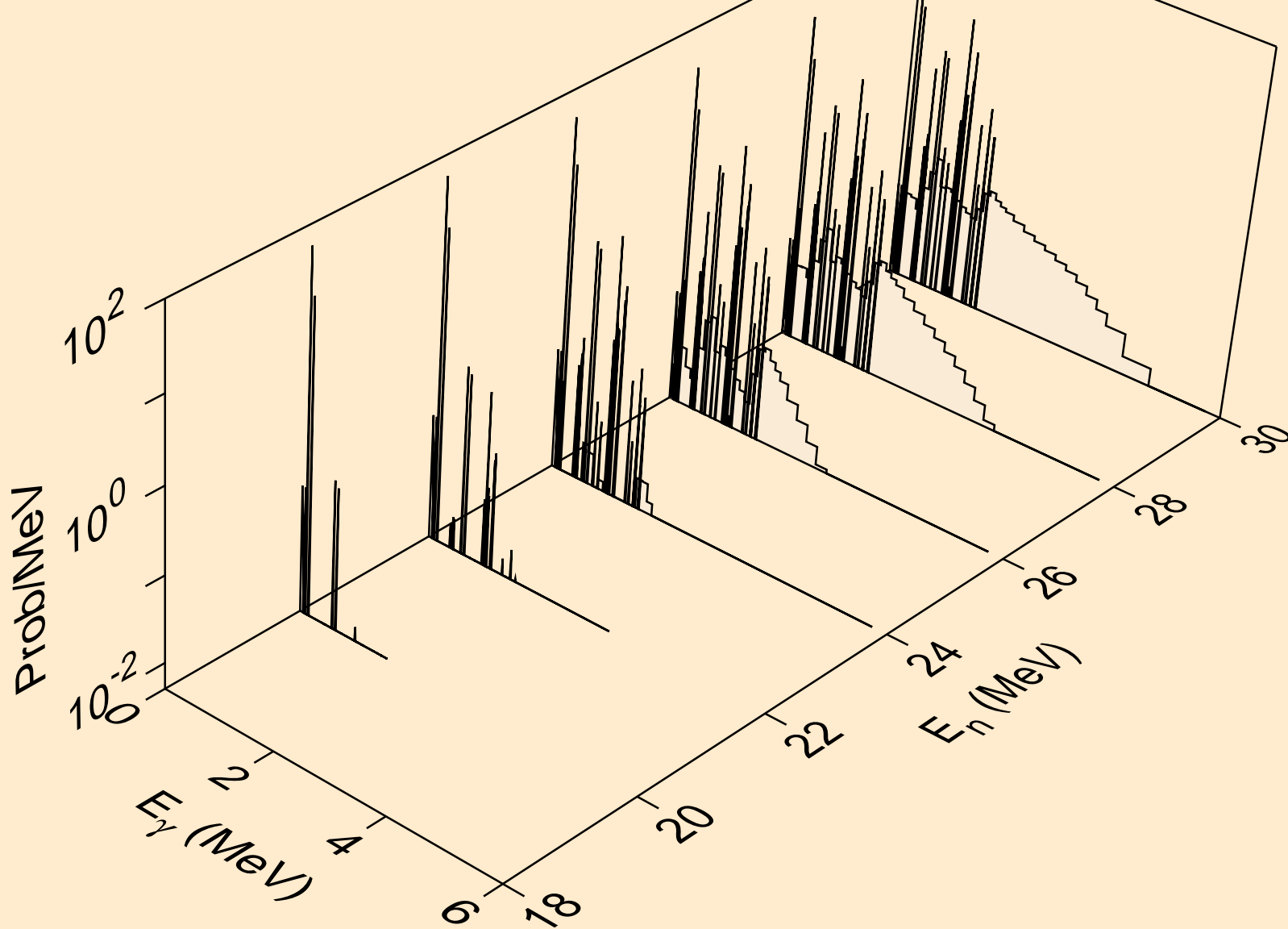
TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



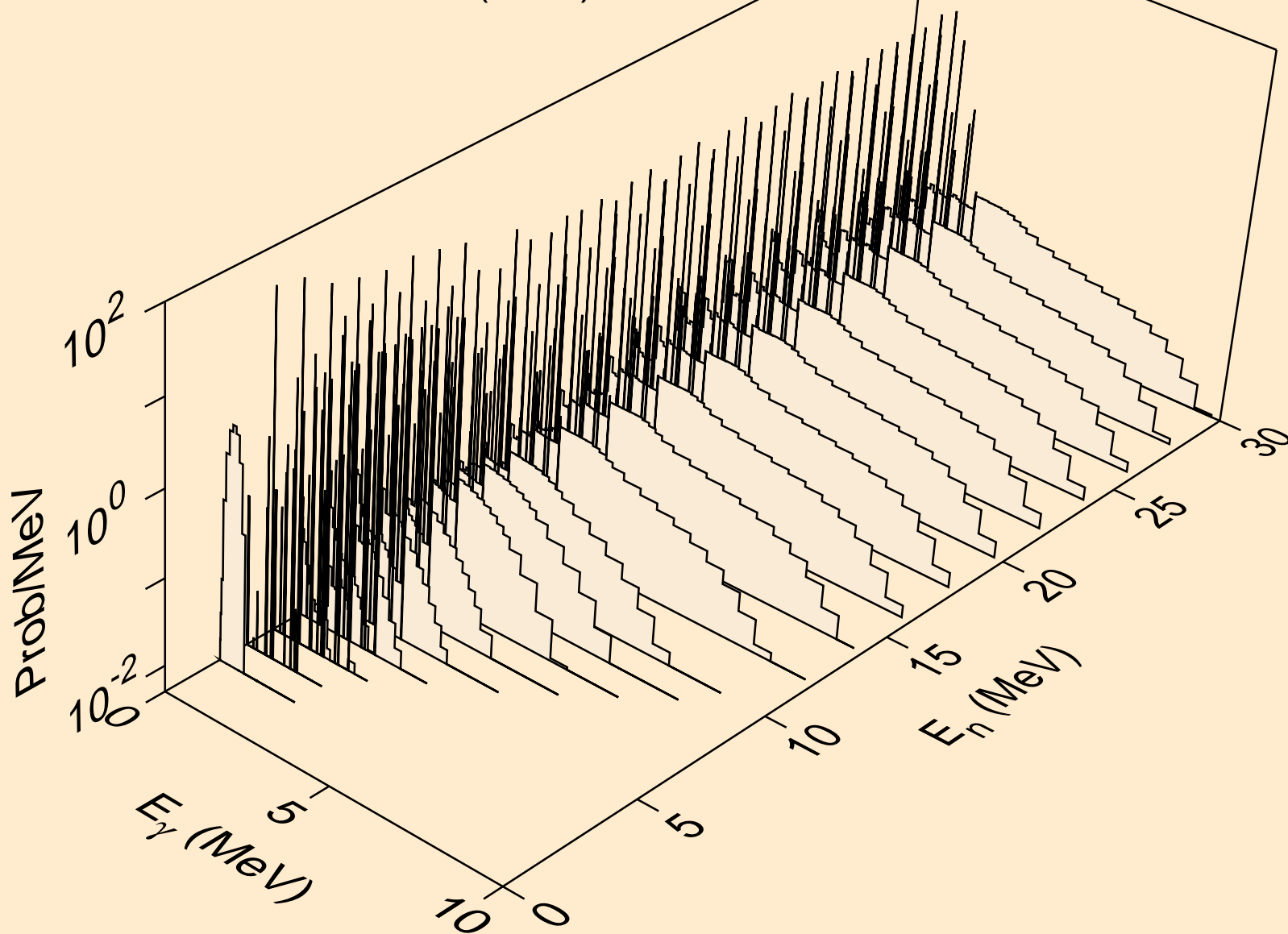
TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



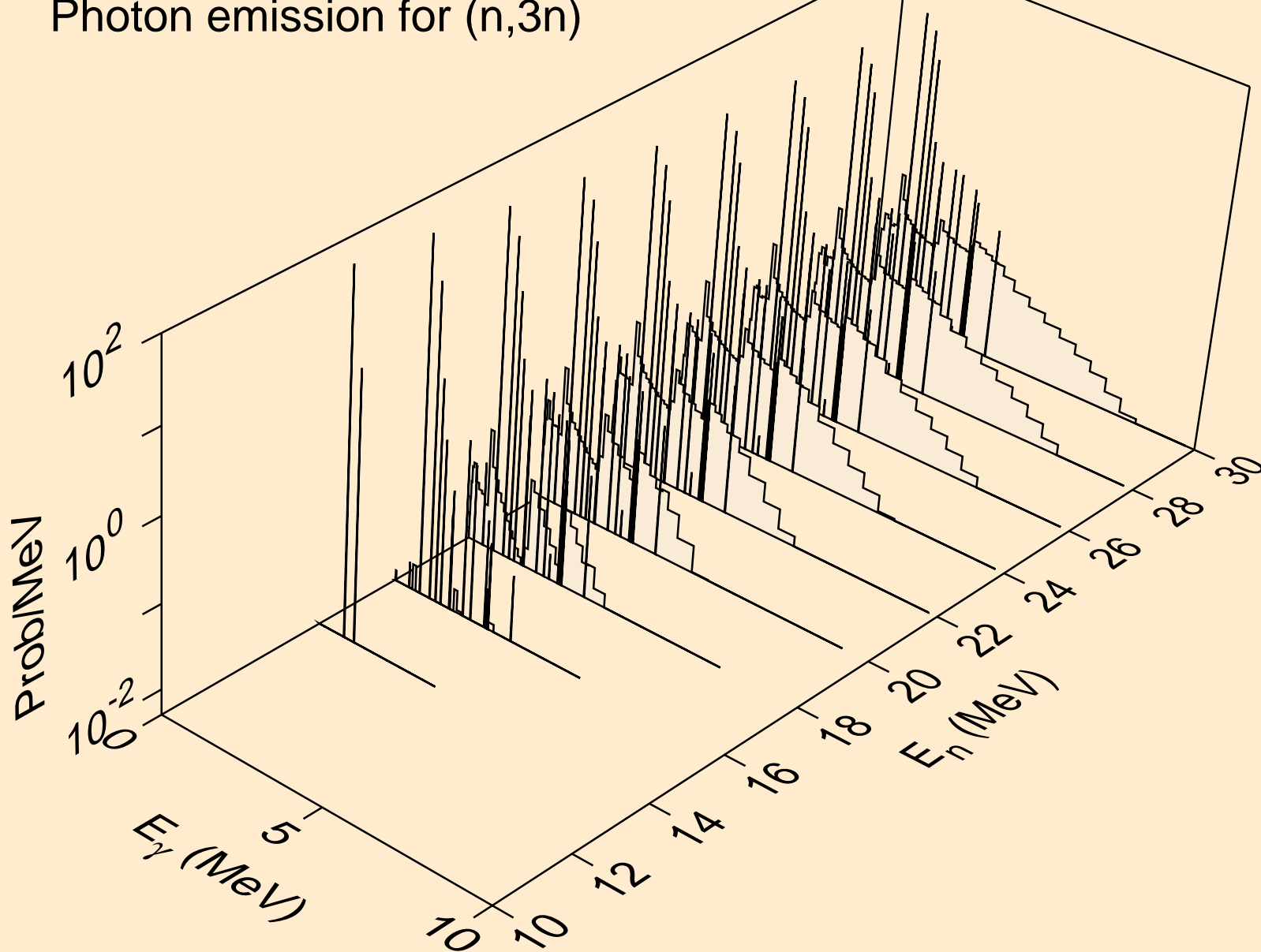
TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



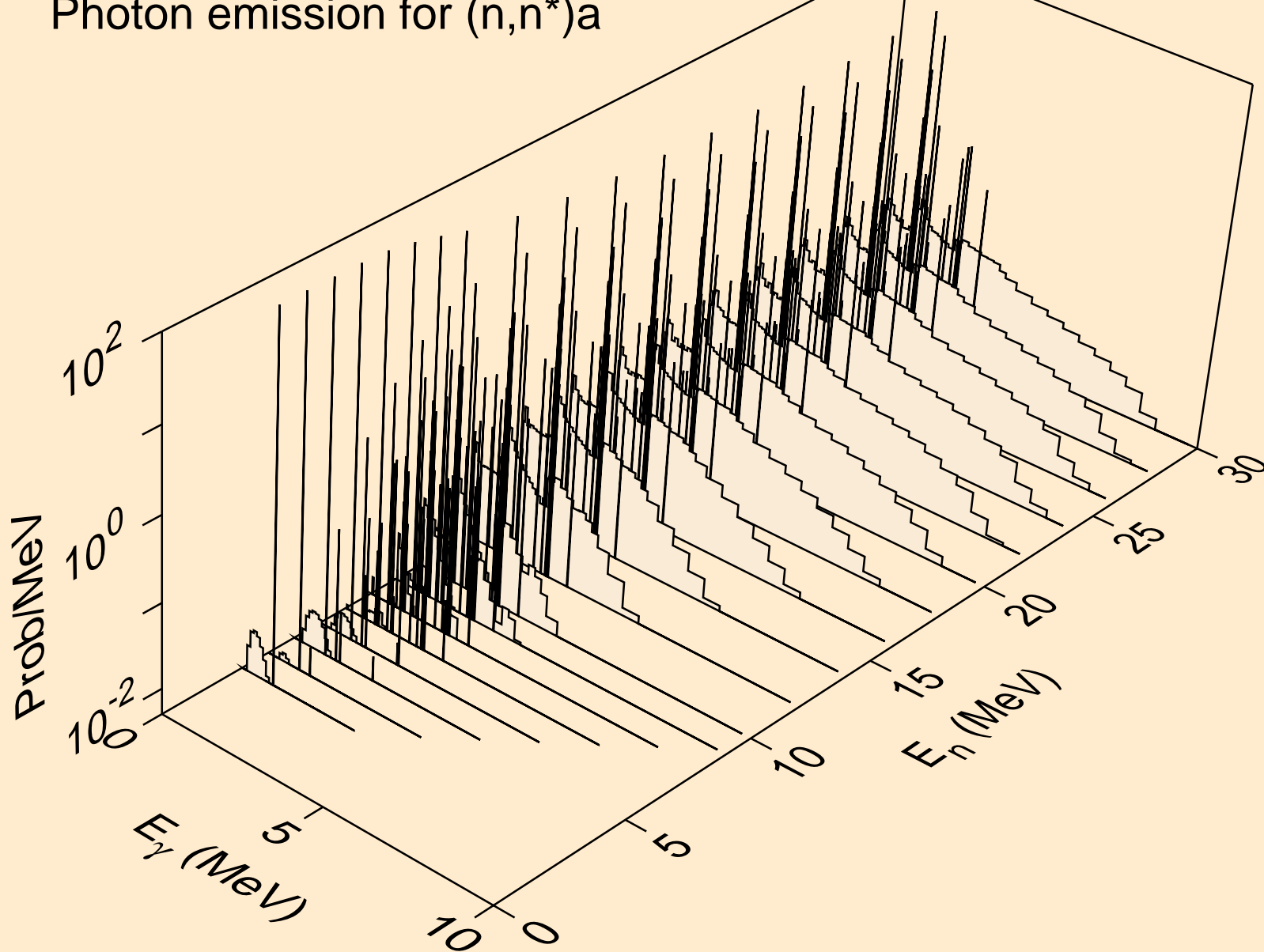
TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



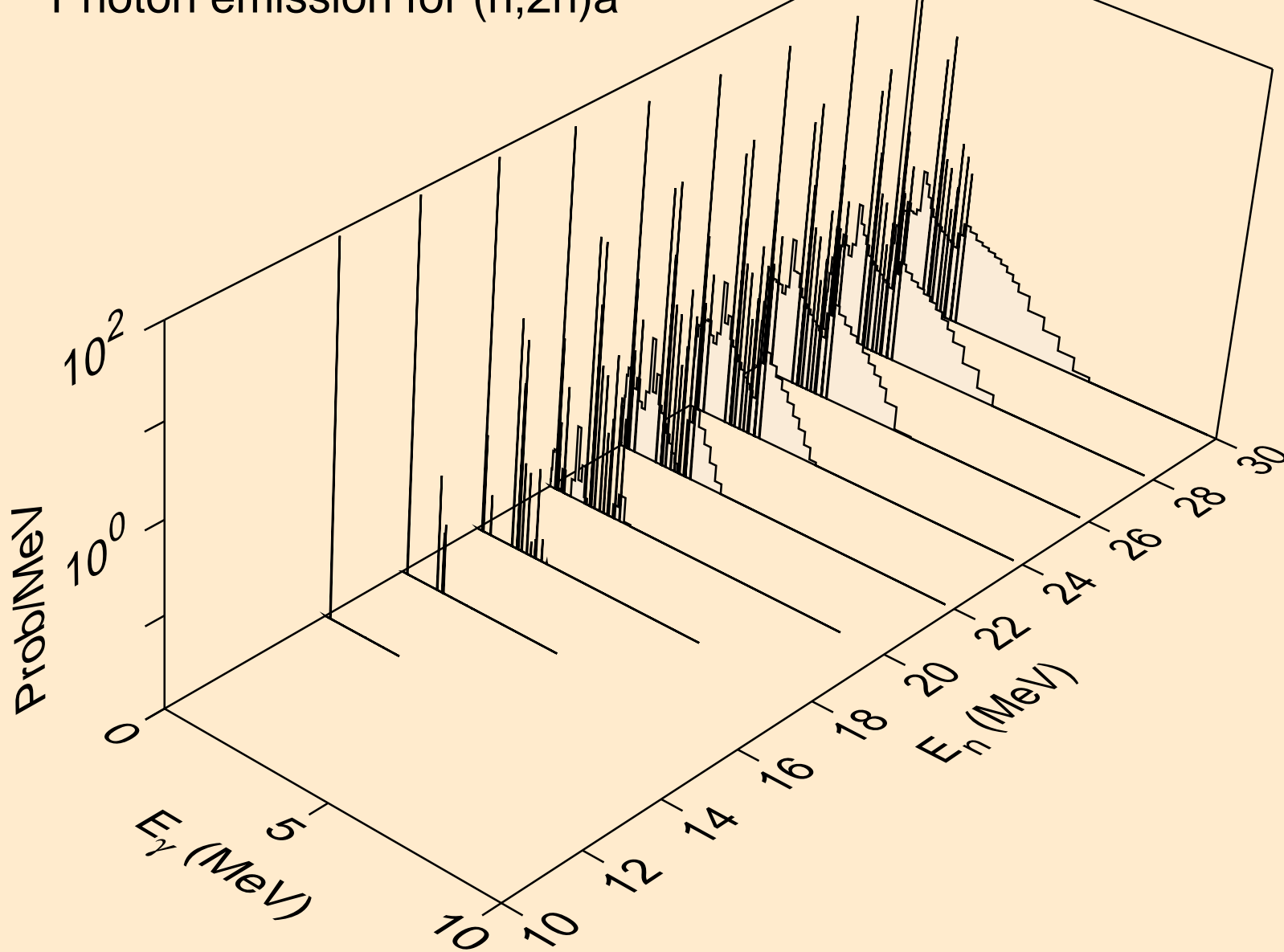
TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

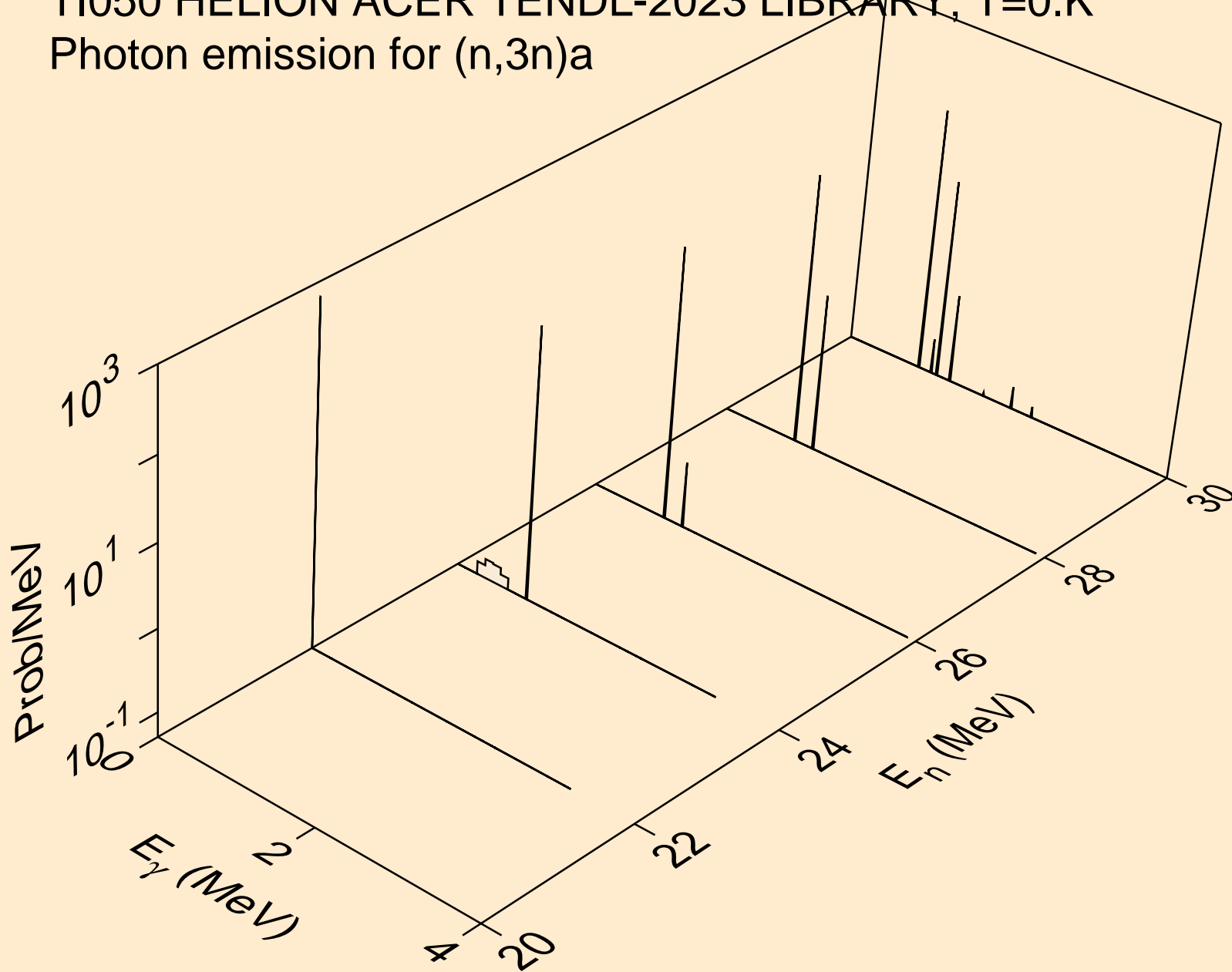


TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

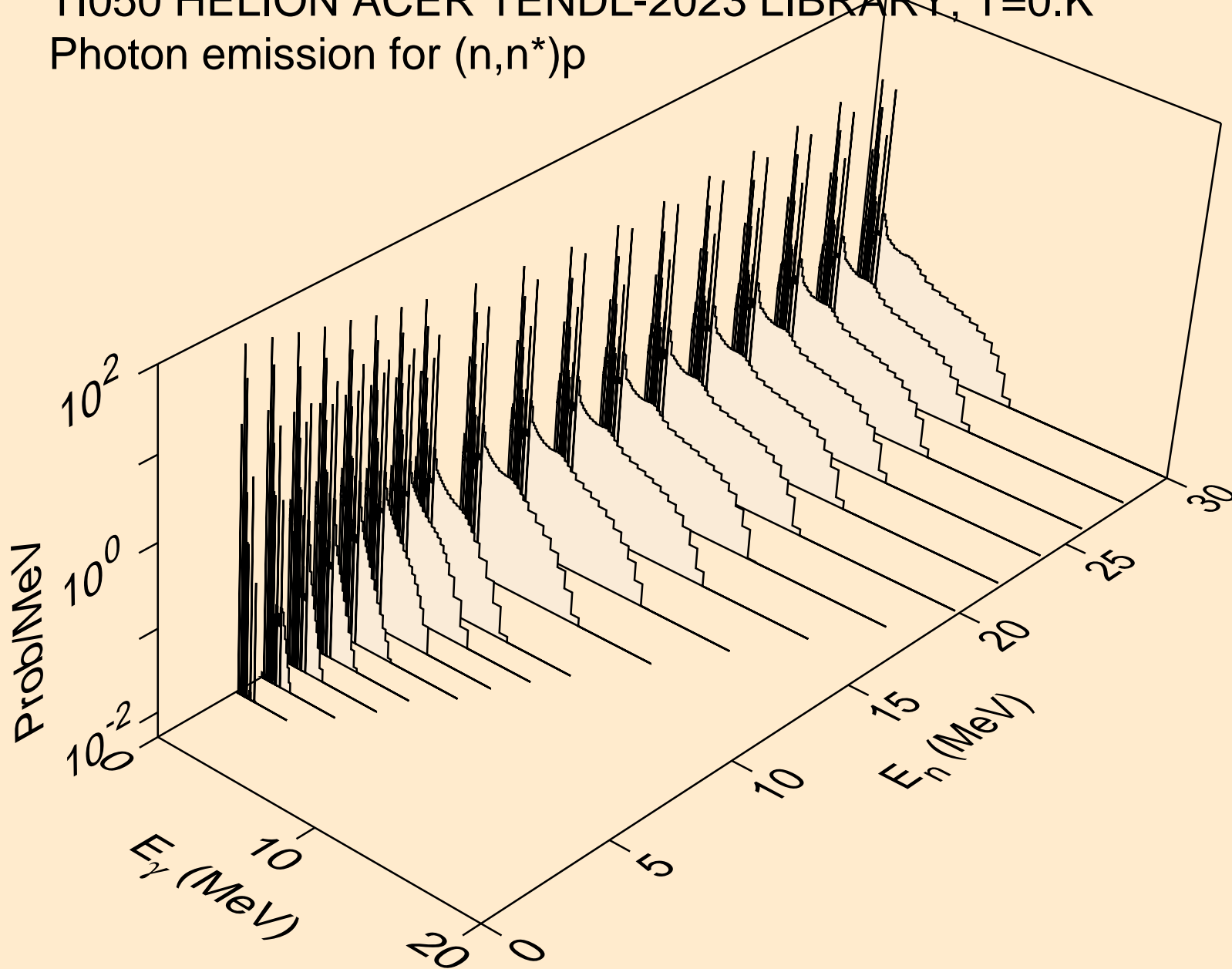




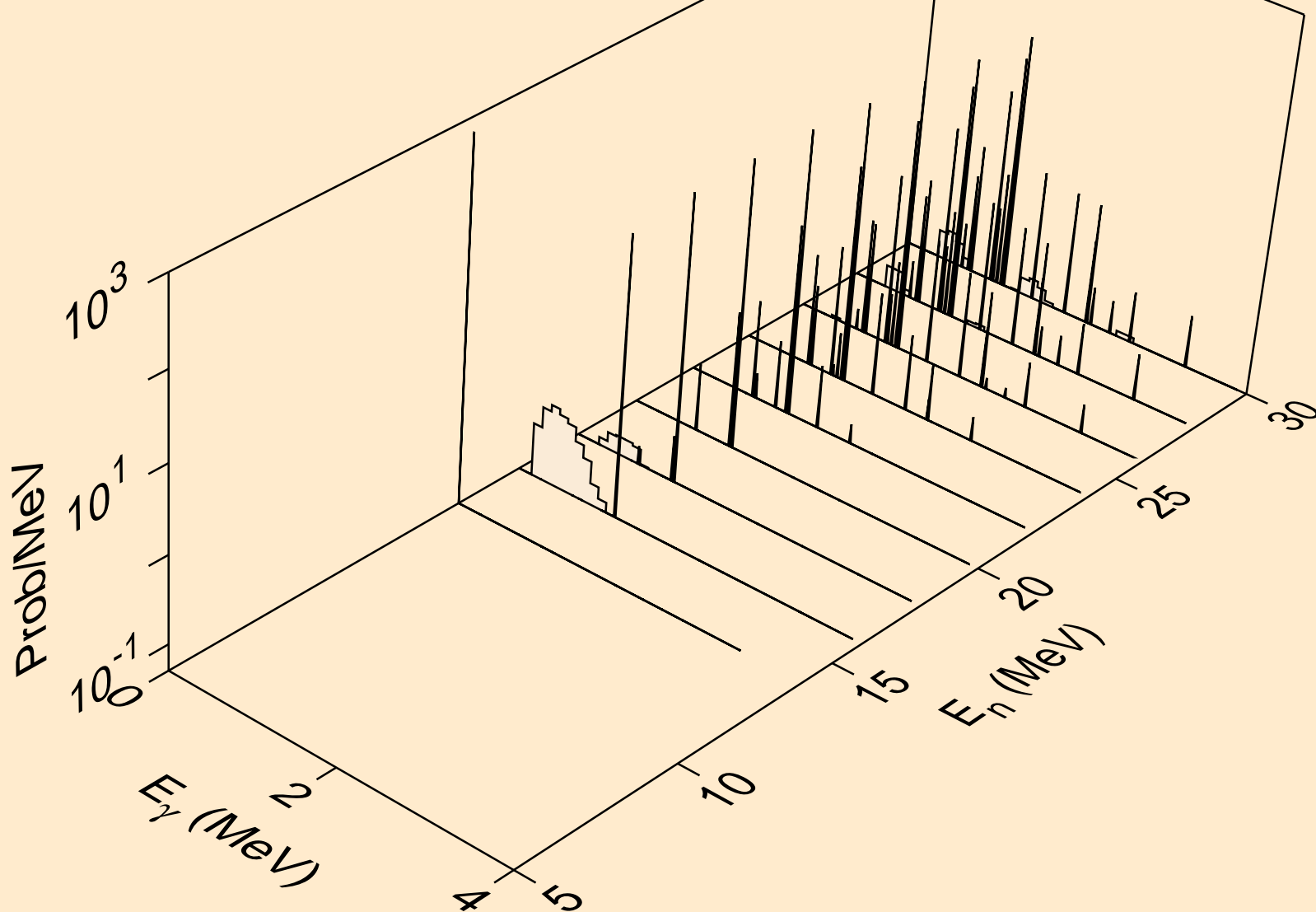
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Photon emission for (n,3n)a



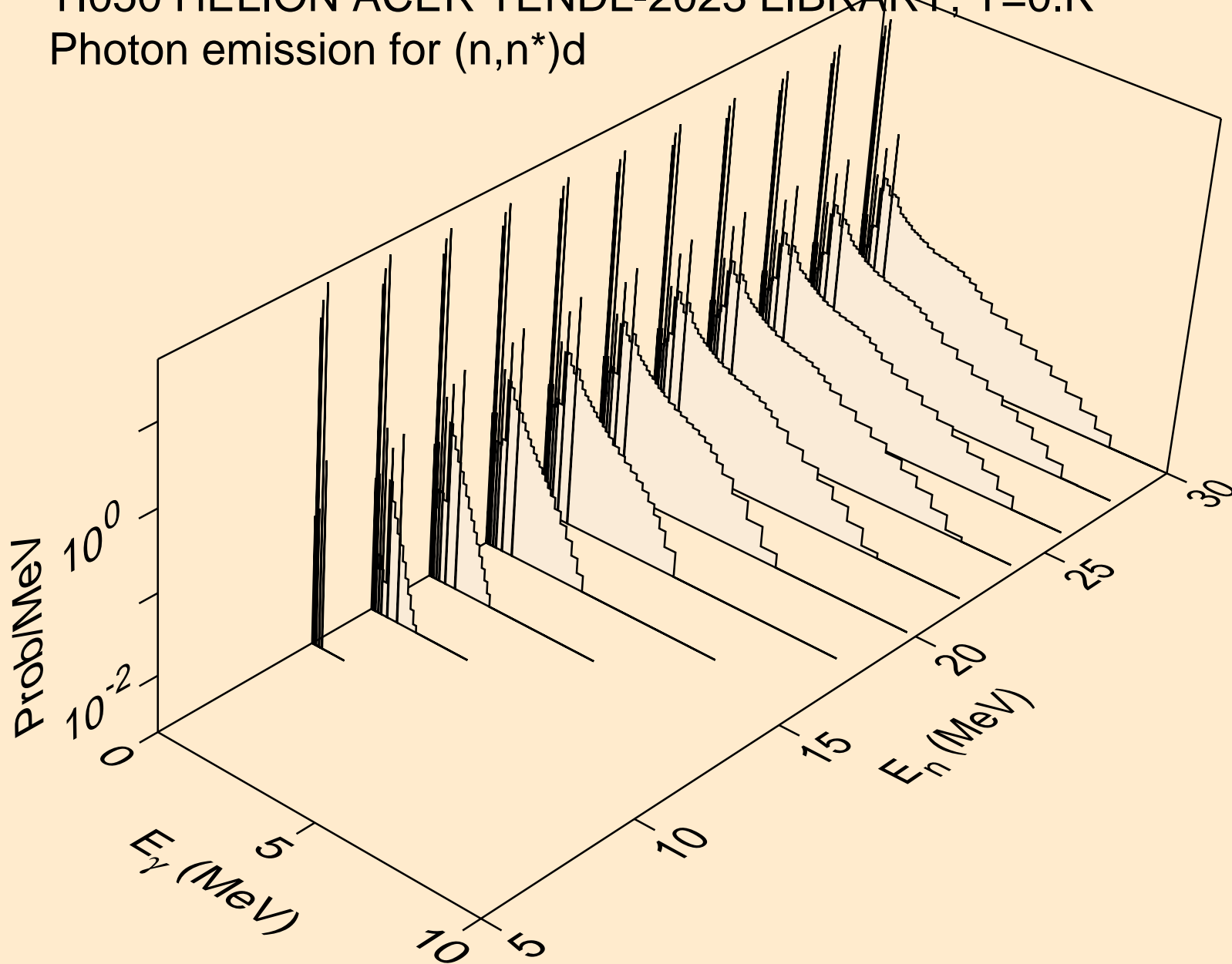
TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



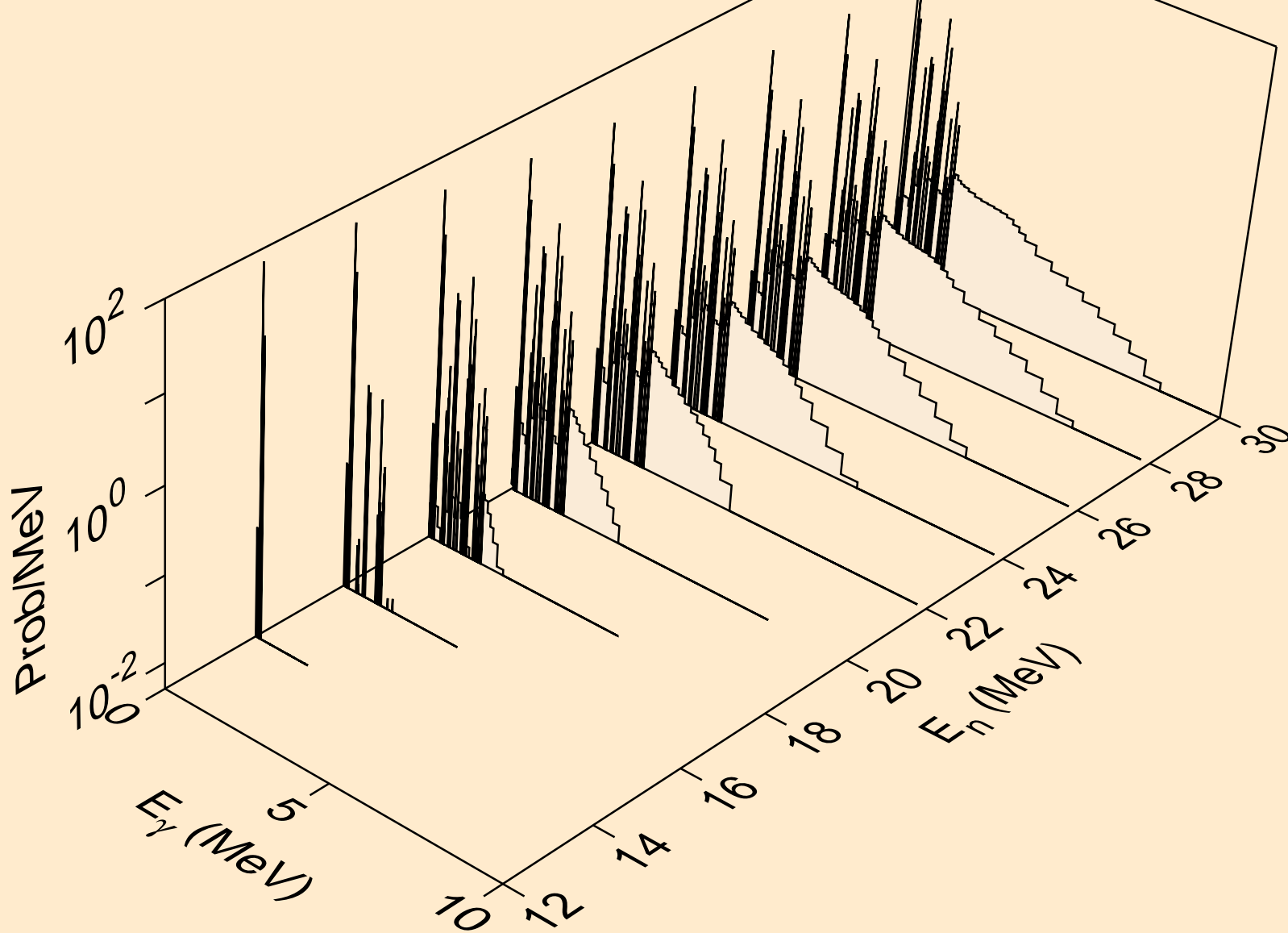
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Photon emission for (n,n\*)2a



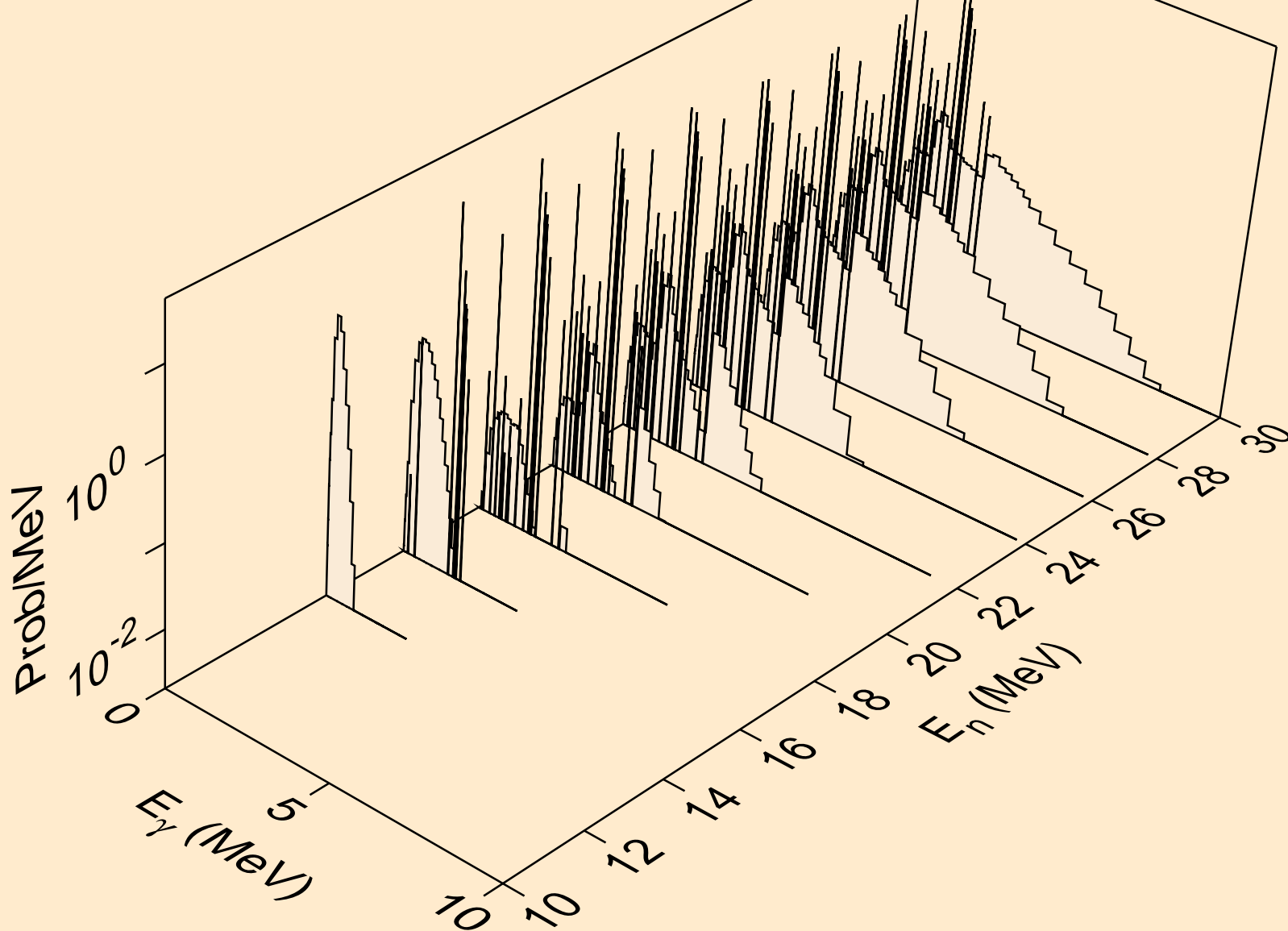
TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



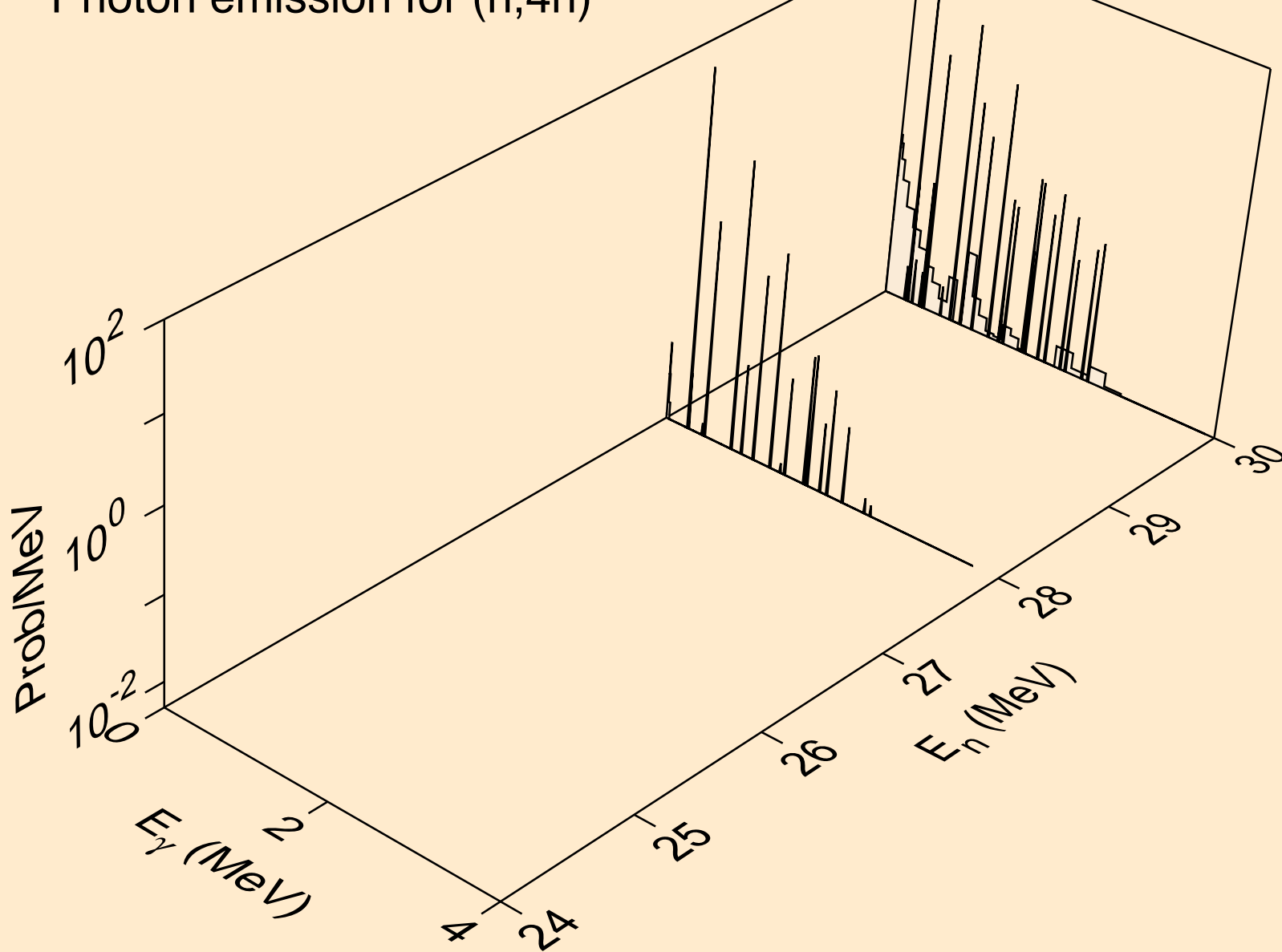
TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



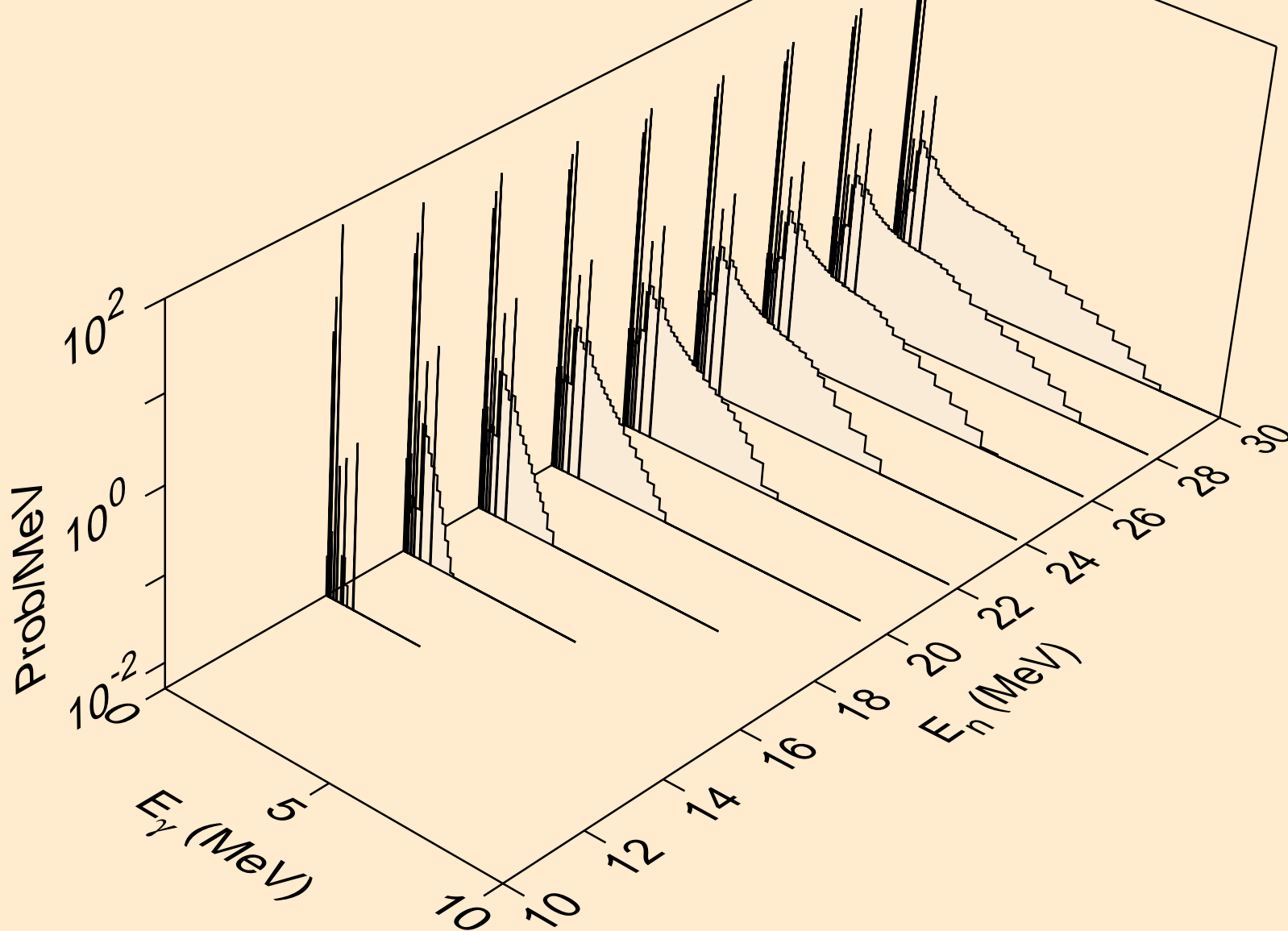
TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)

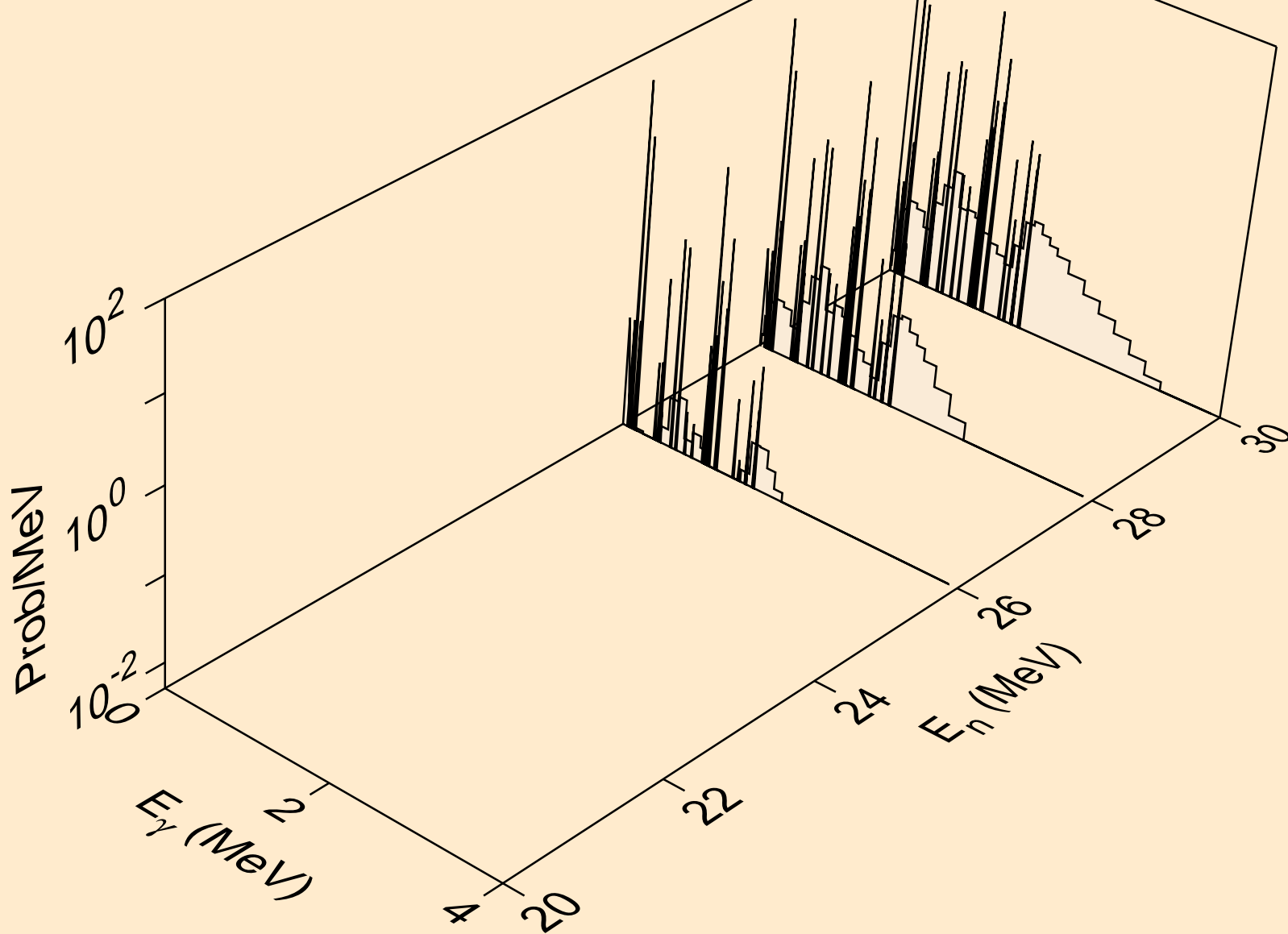


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Photon emission for (n,2np)

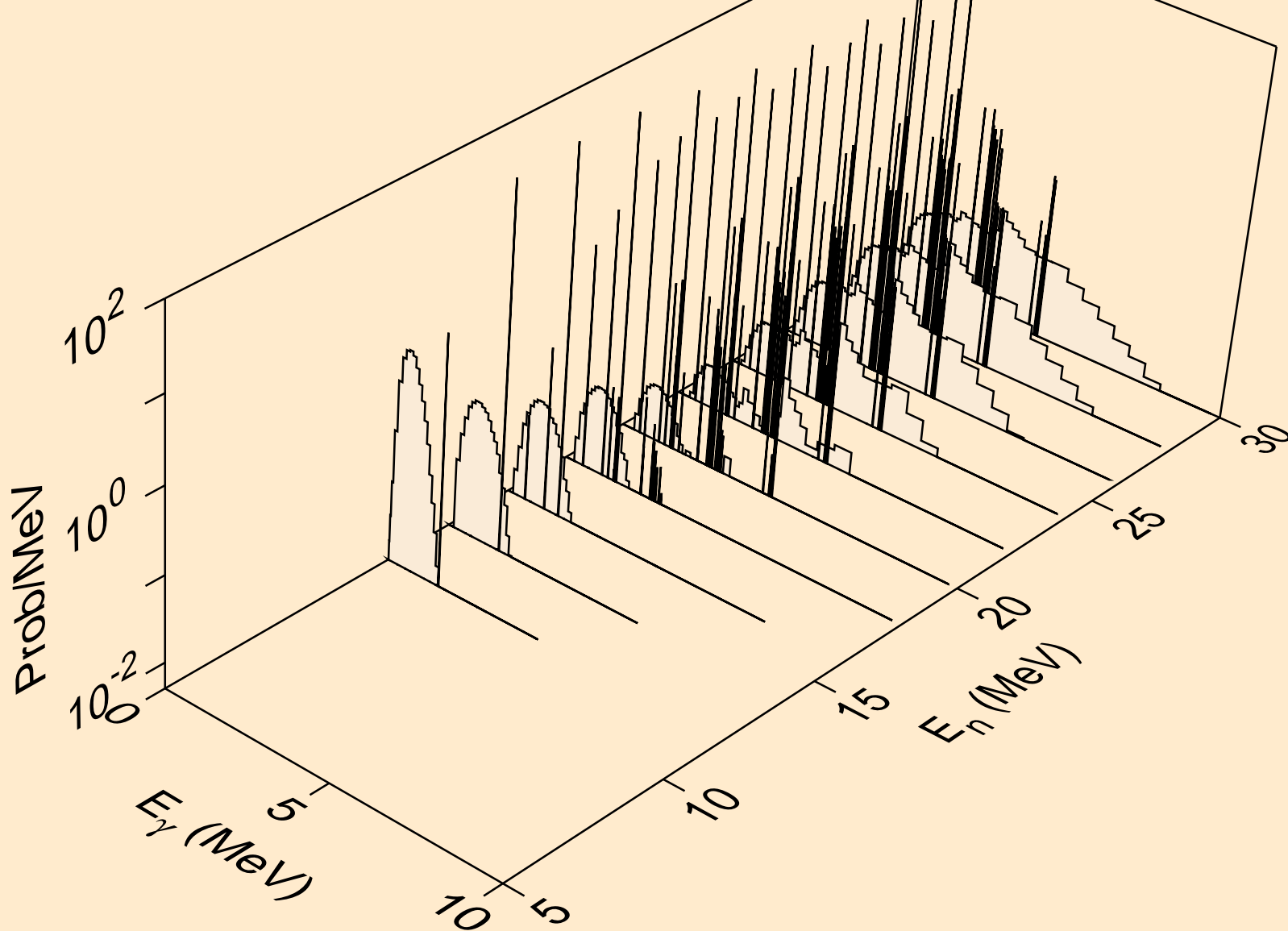




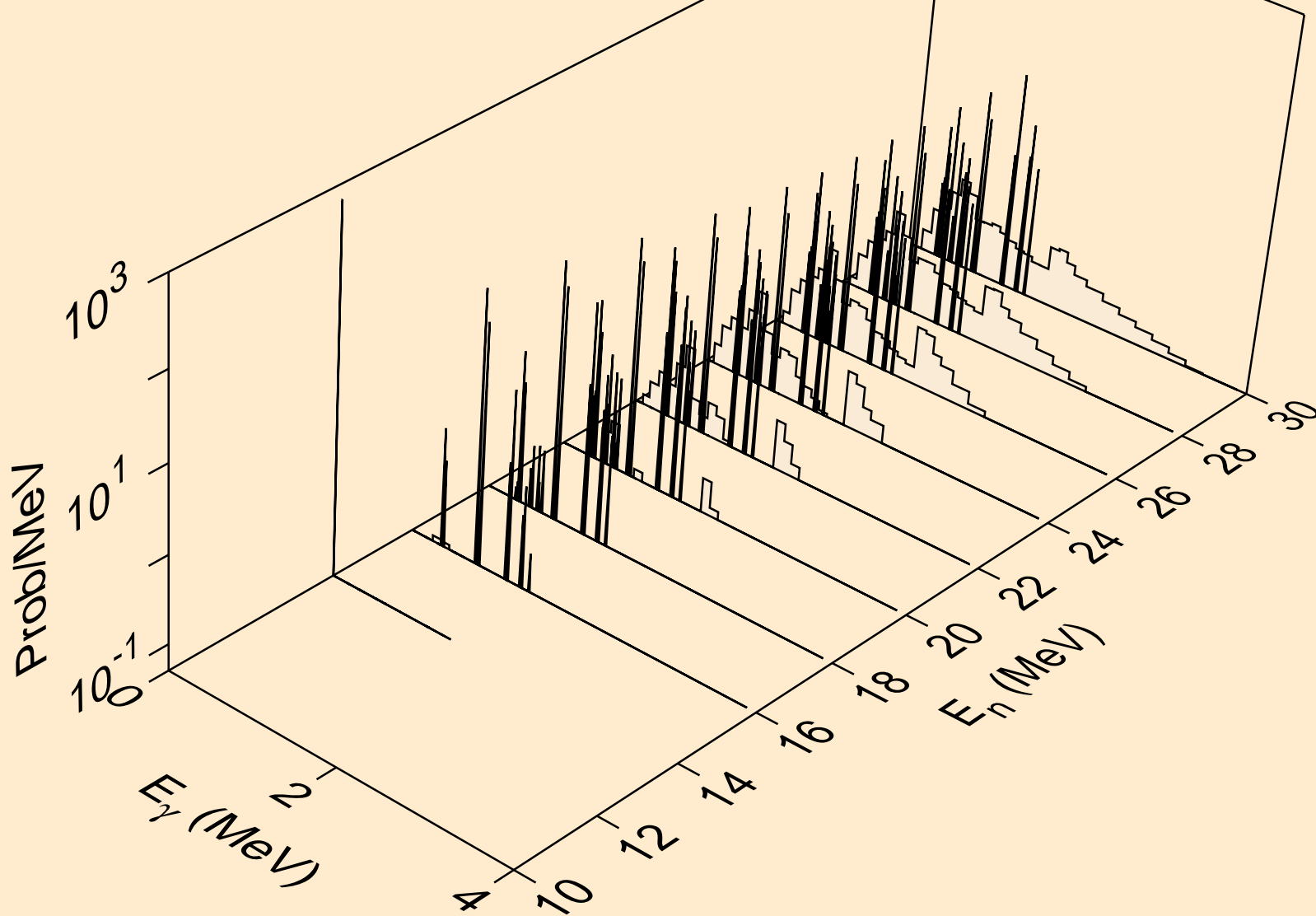
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Photon emission for (n,3np)



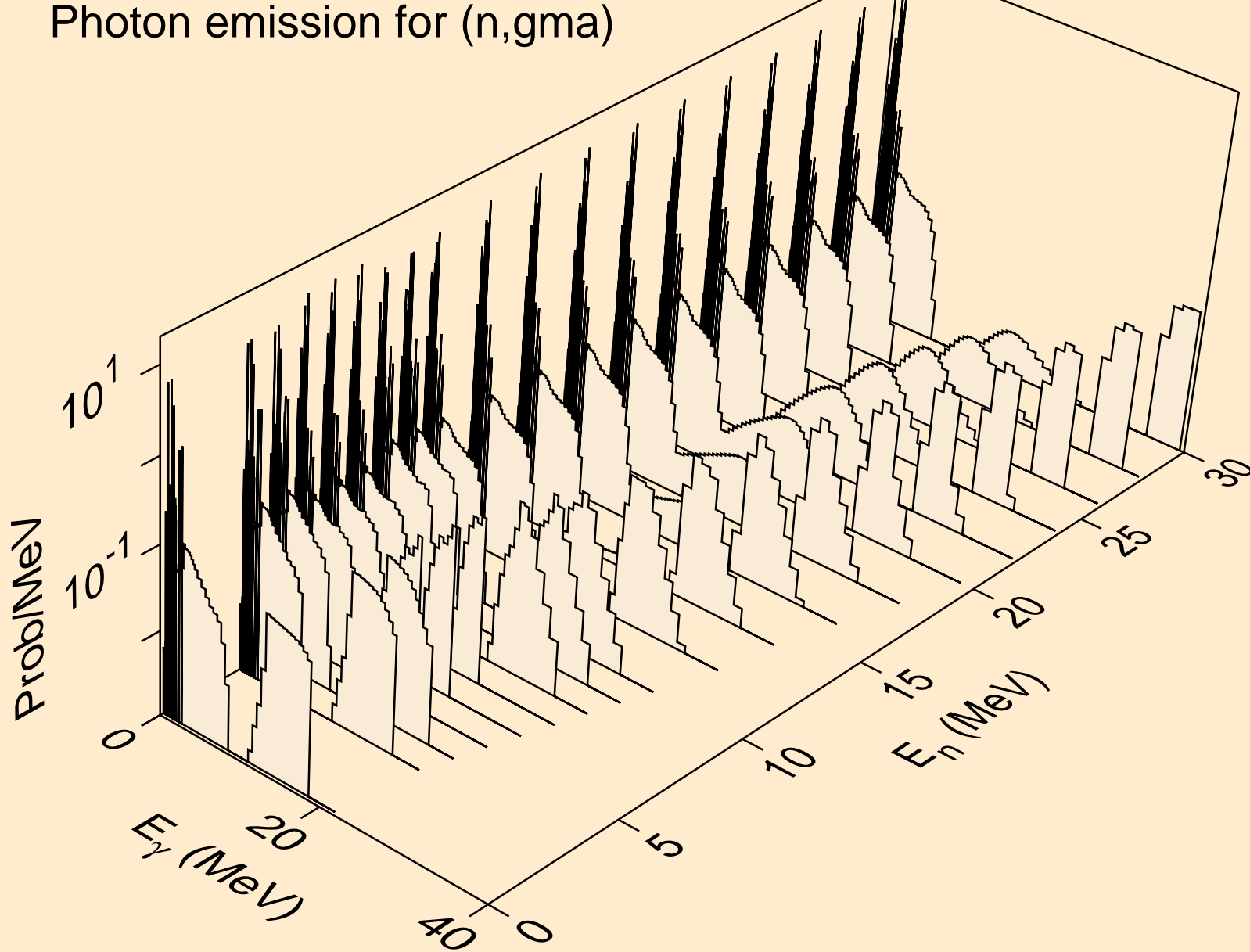
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Photon emission for (n,n2p)



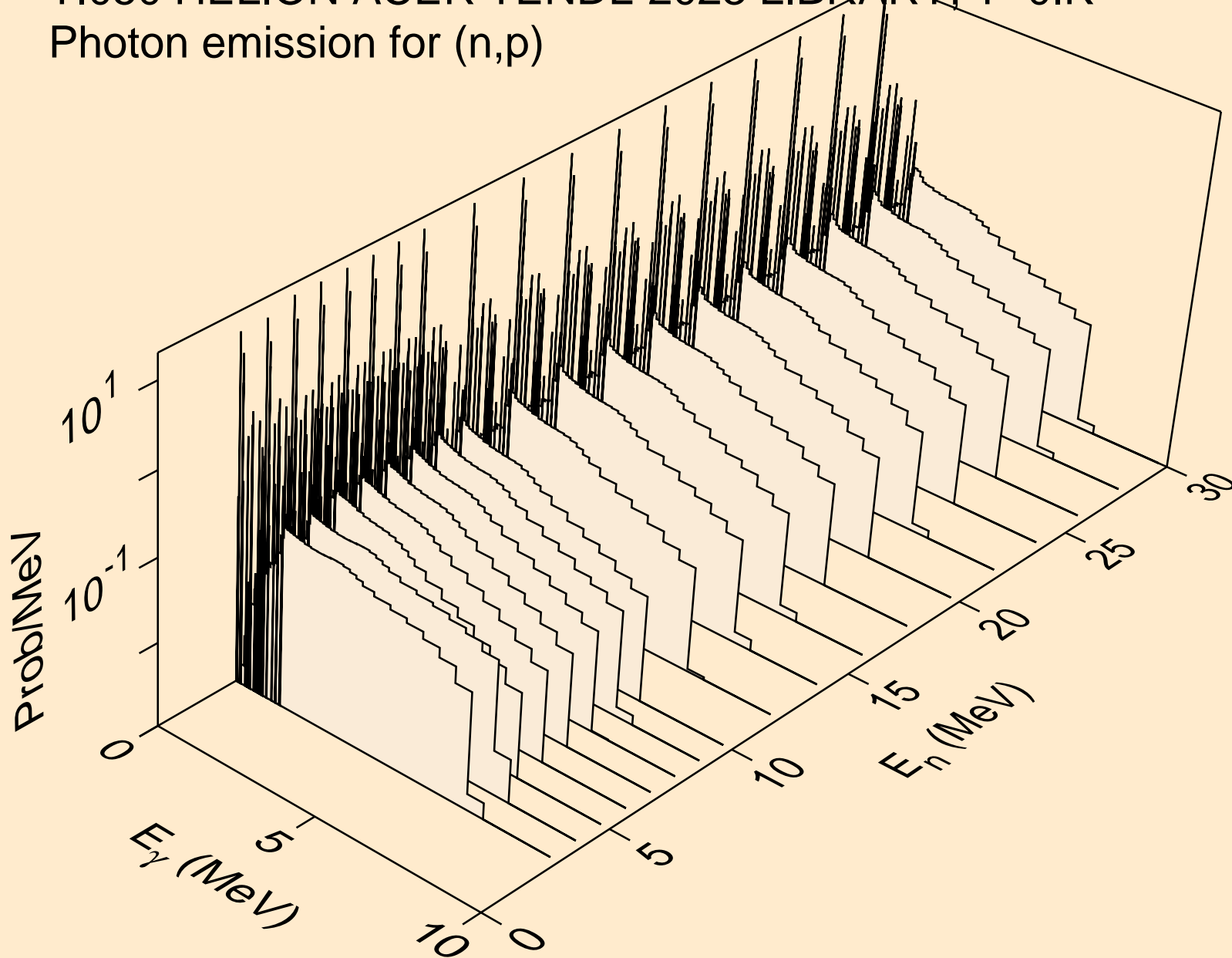
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Photon emission for (n,npa)



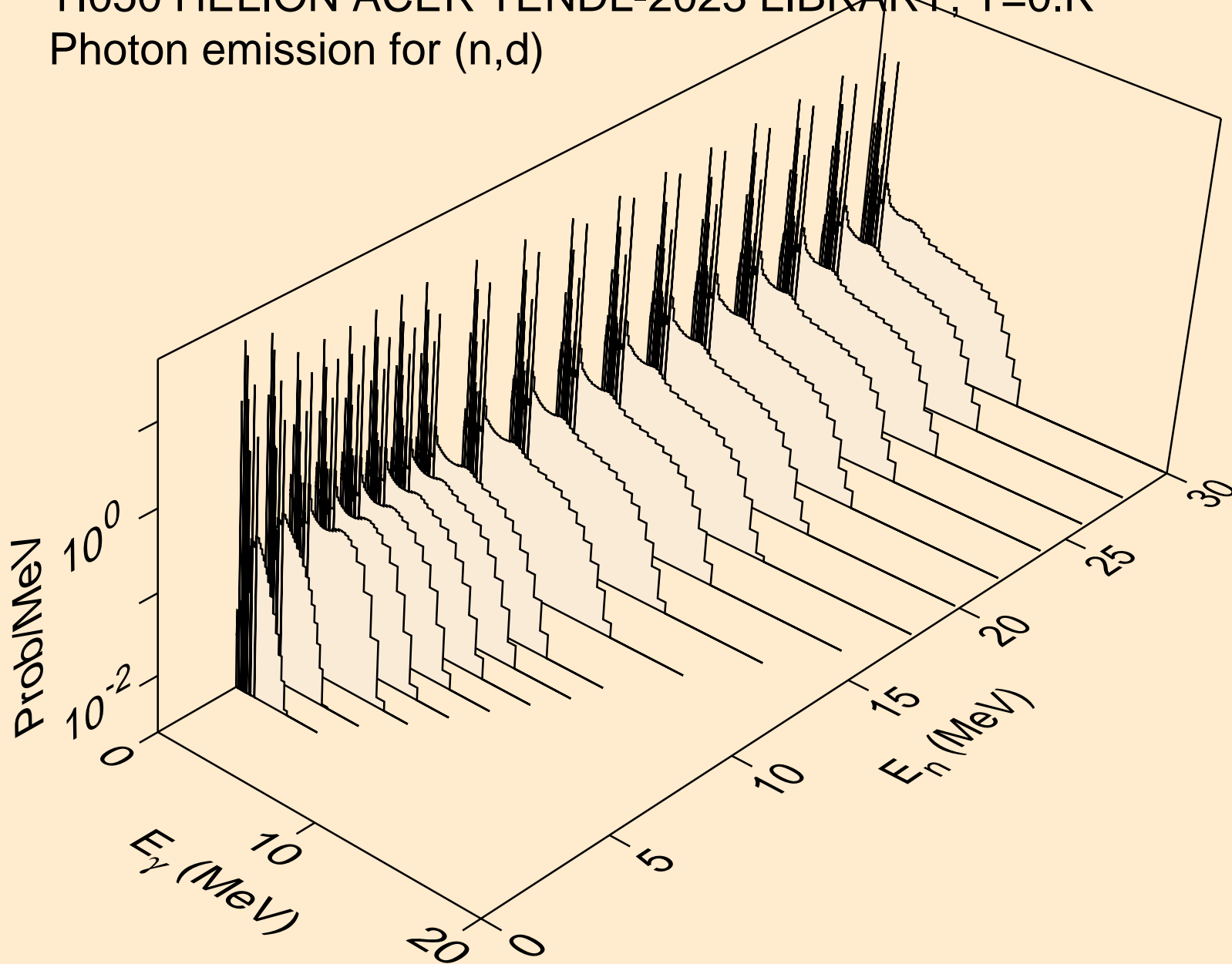
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Photon emission for (n,gma)



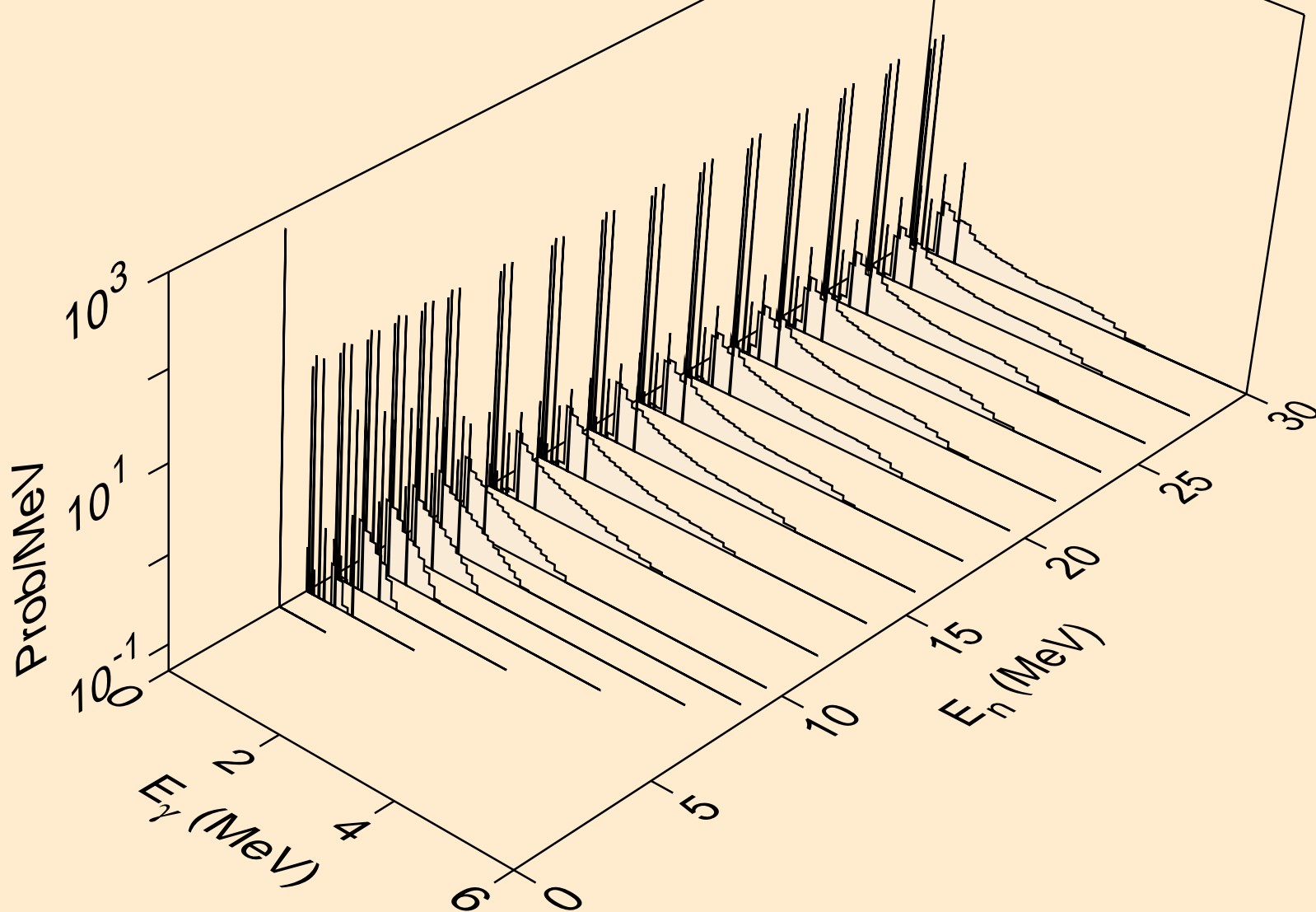
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Photon emission for (n,p)



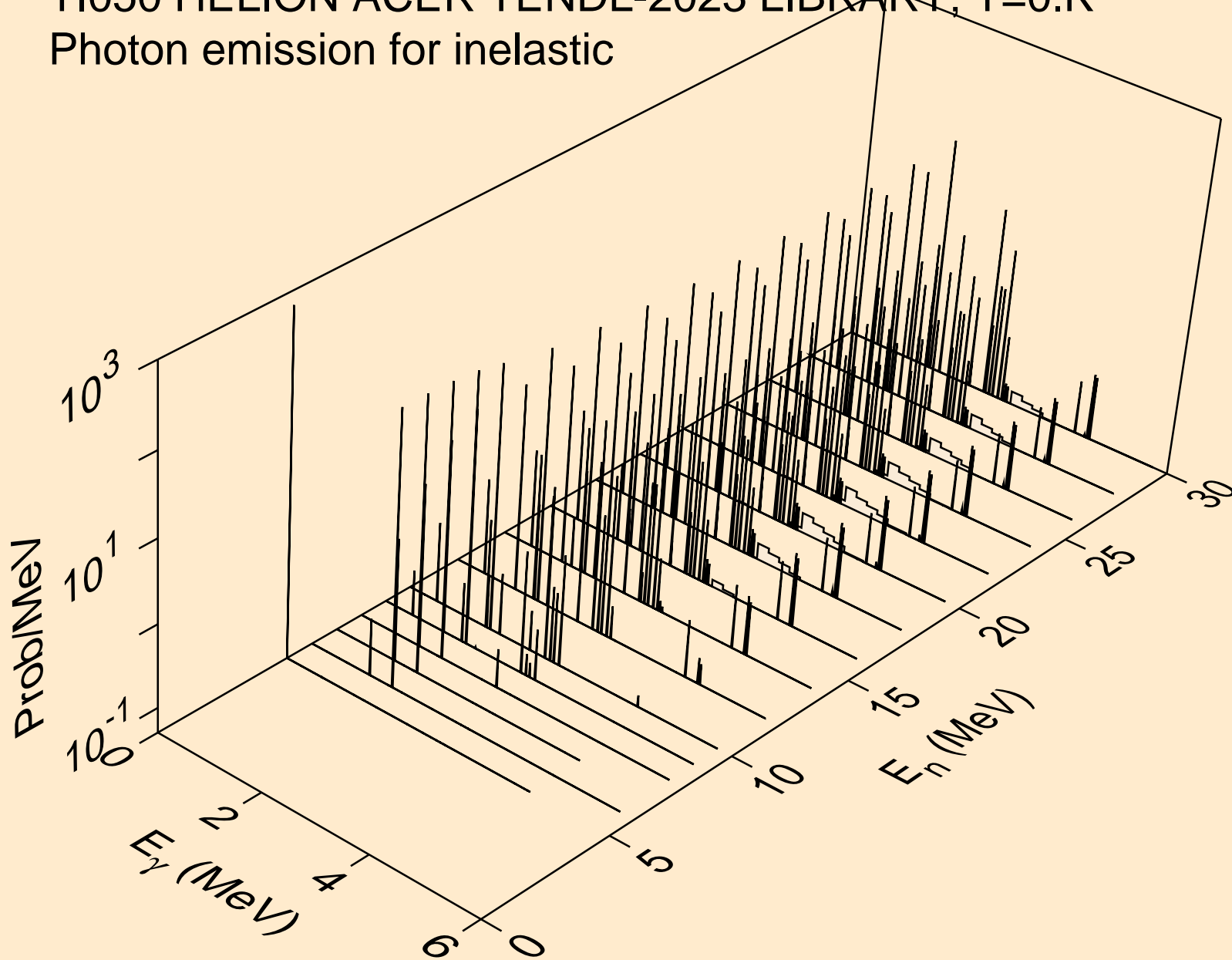
TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

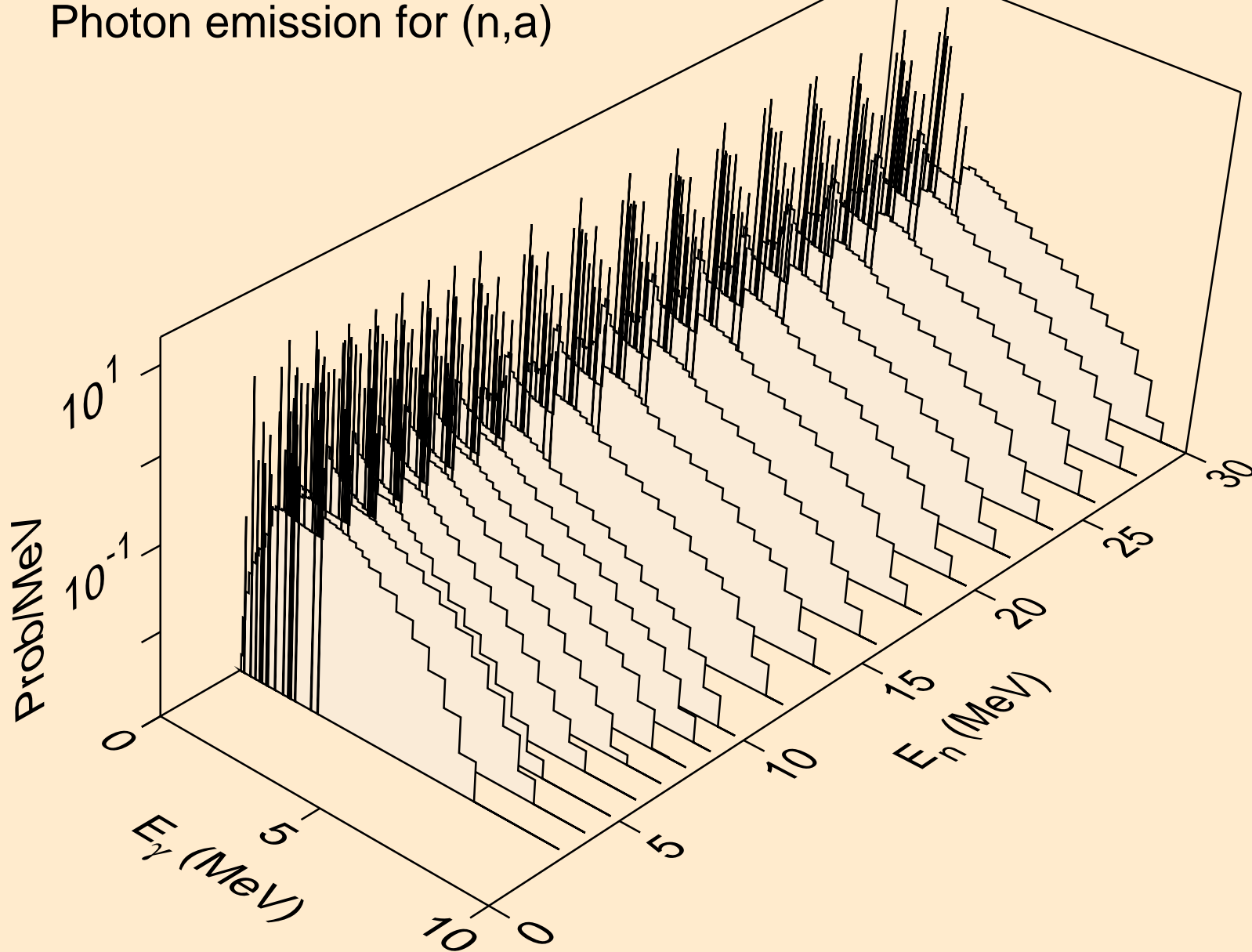


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Photon emission for inelastic

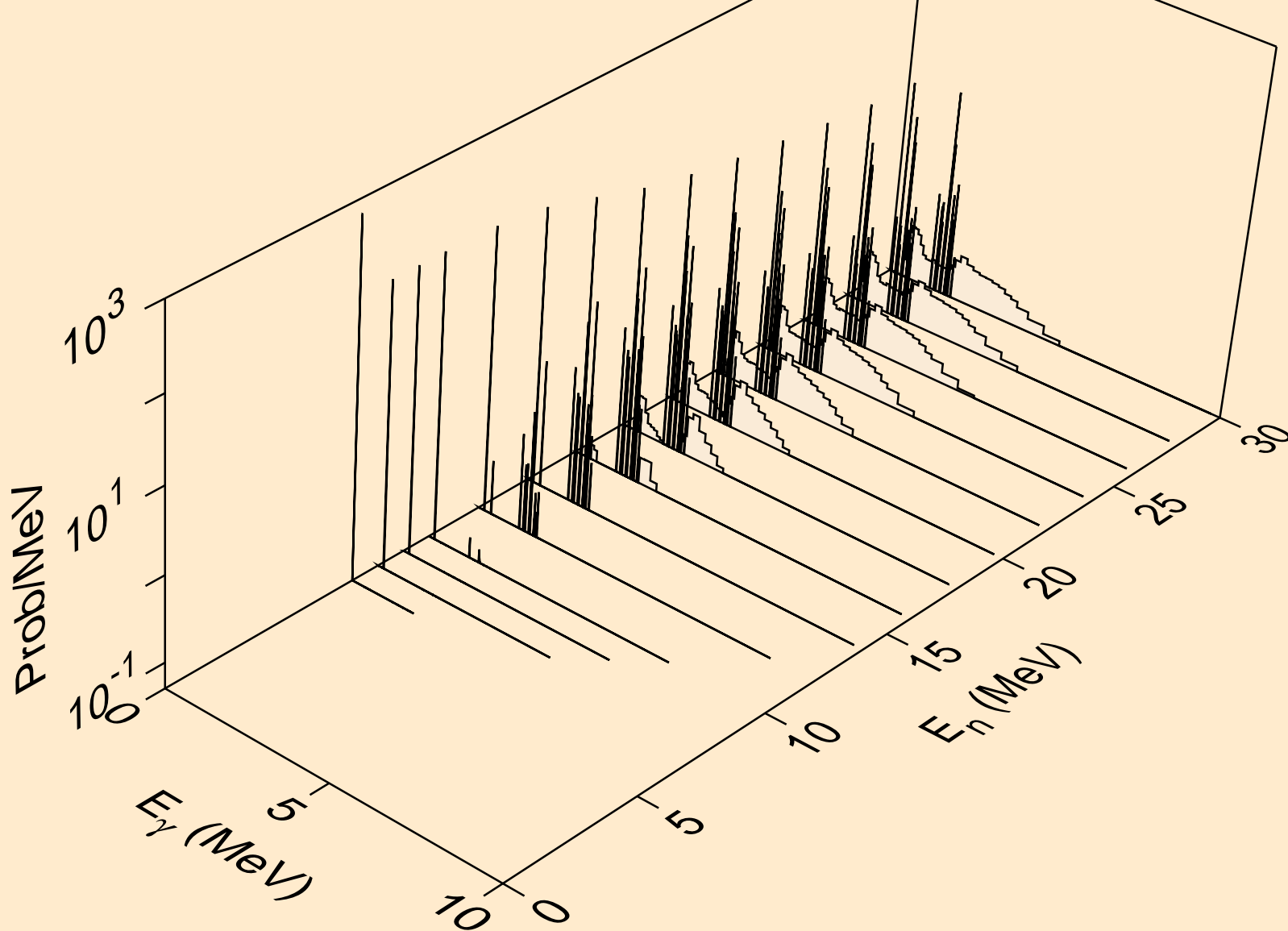




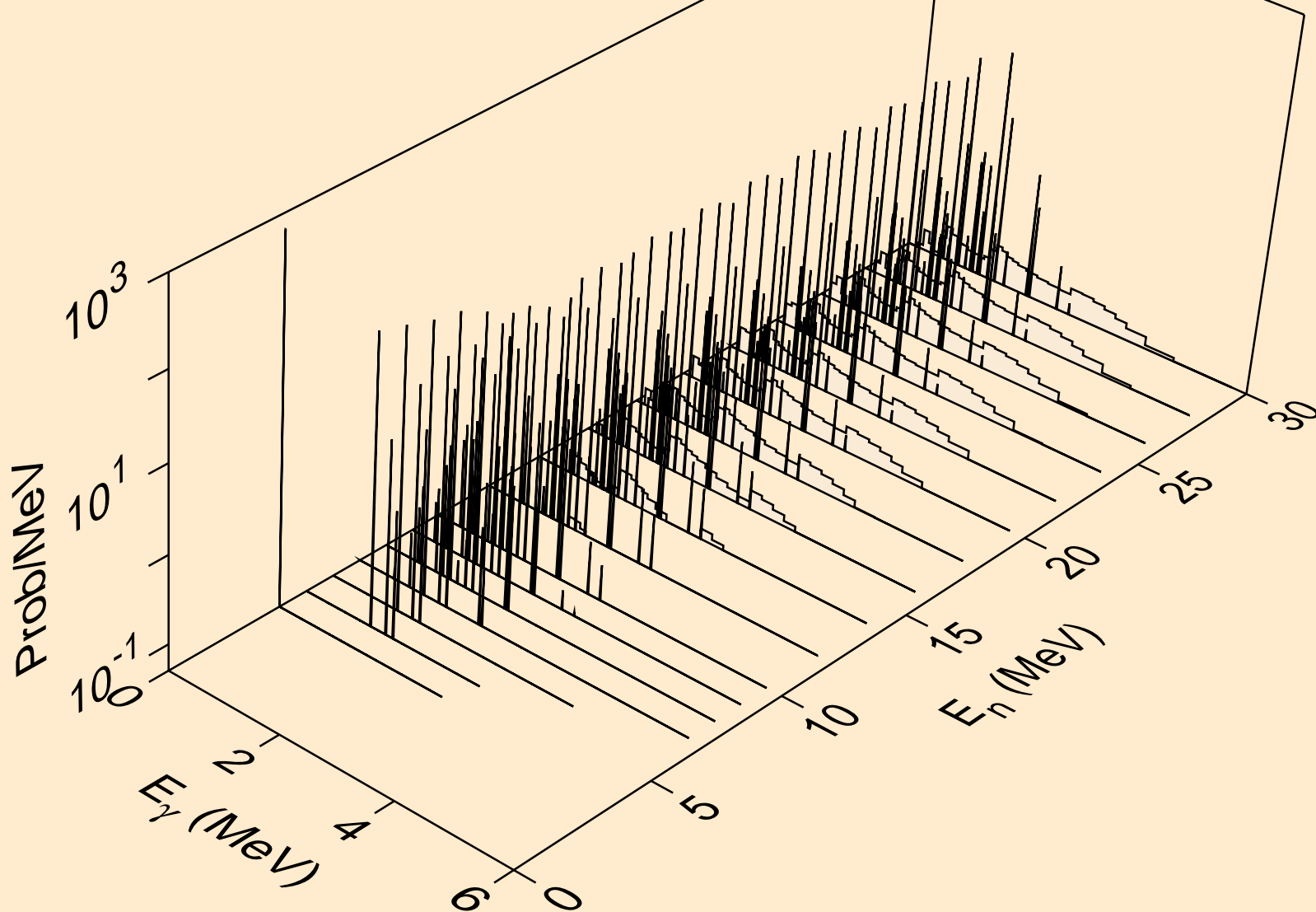
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Photon emission for (n,a)



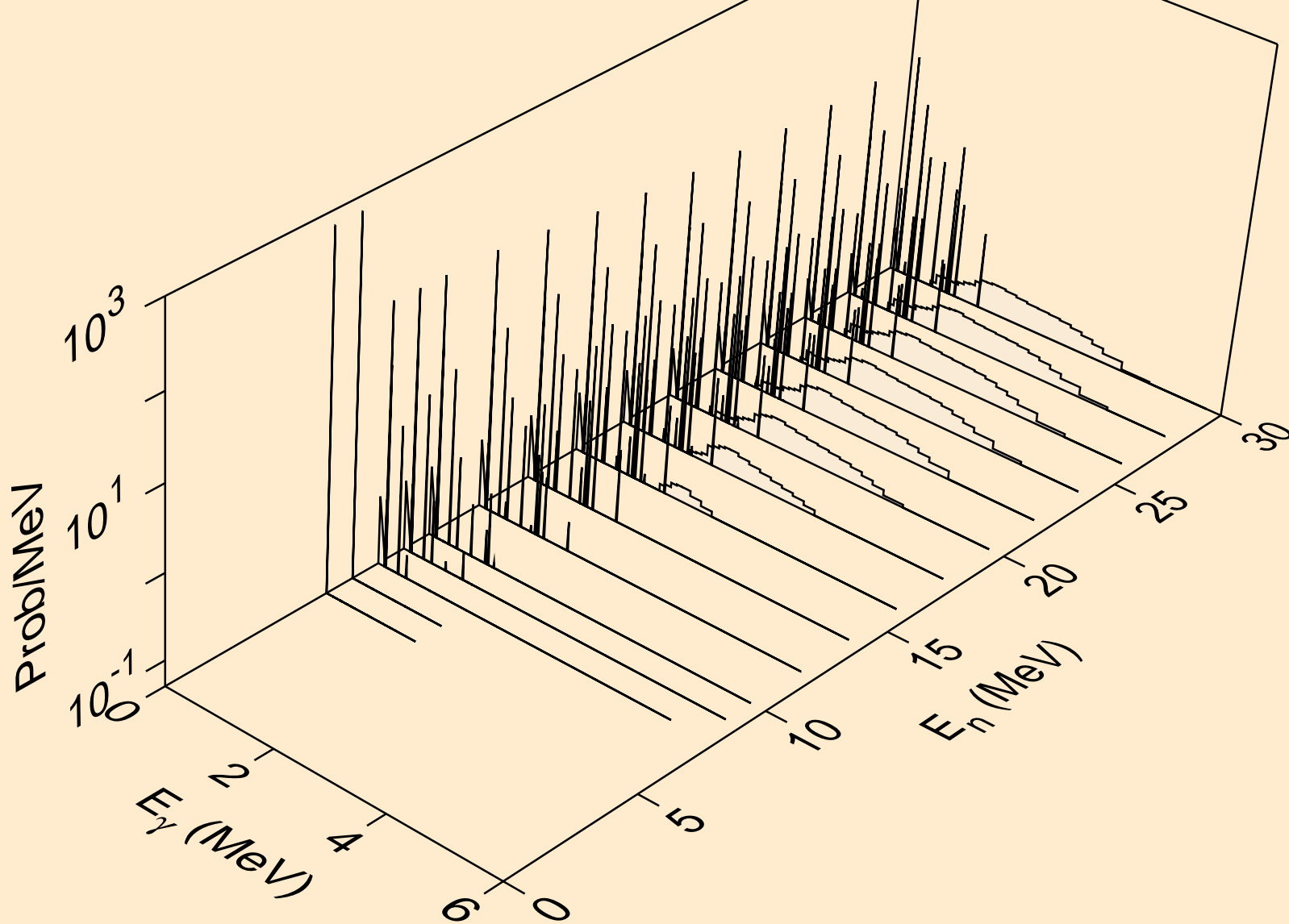
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Photon emission for (n,2a)



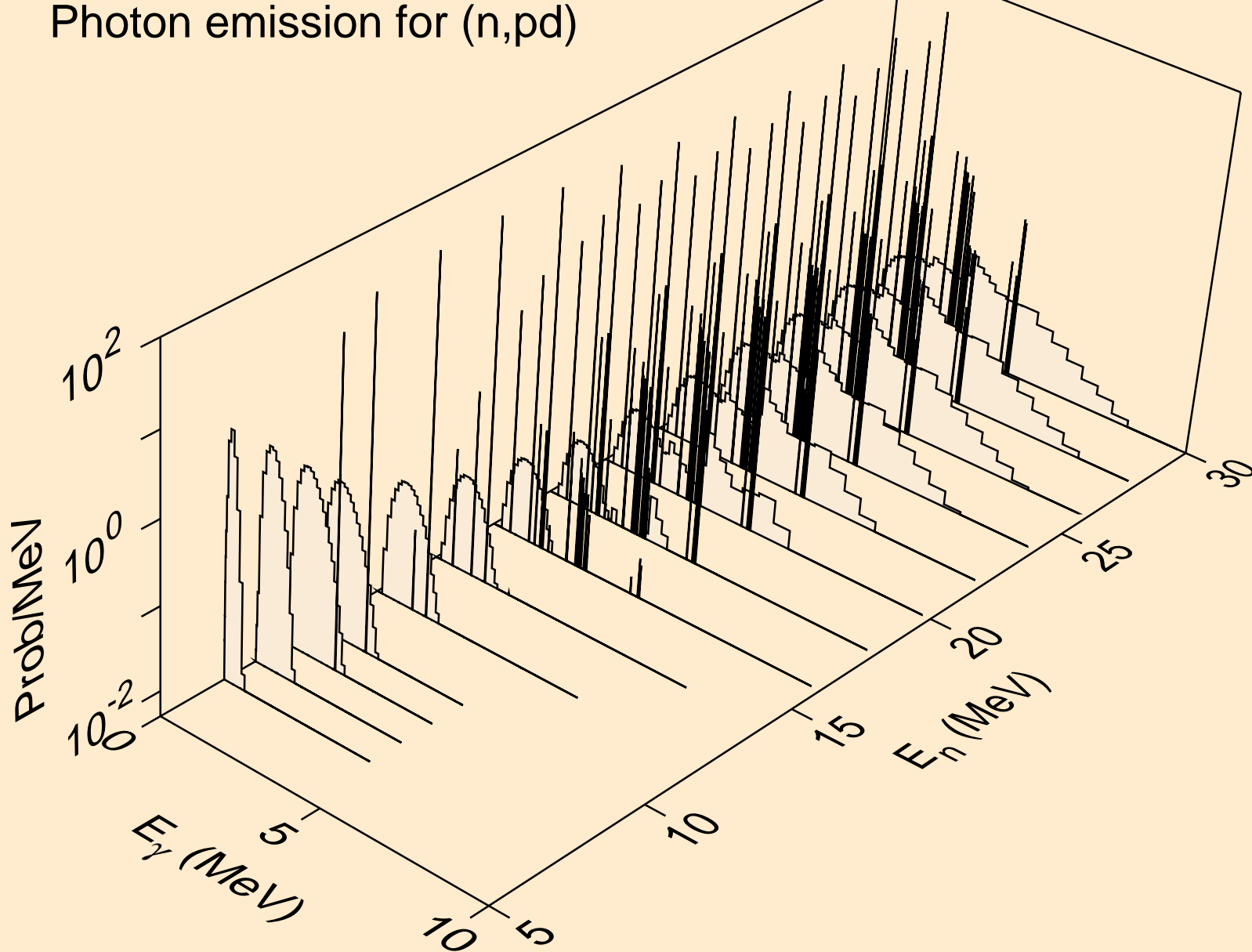
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Photon emission for (n,2p)



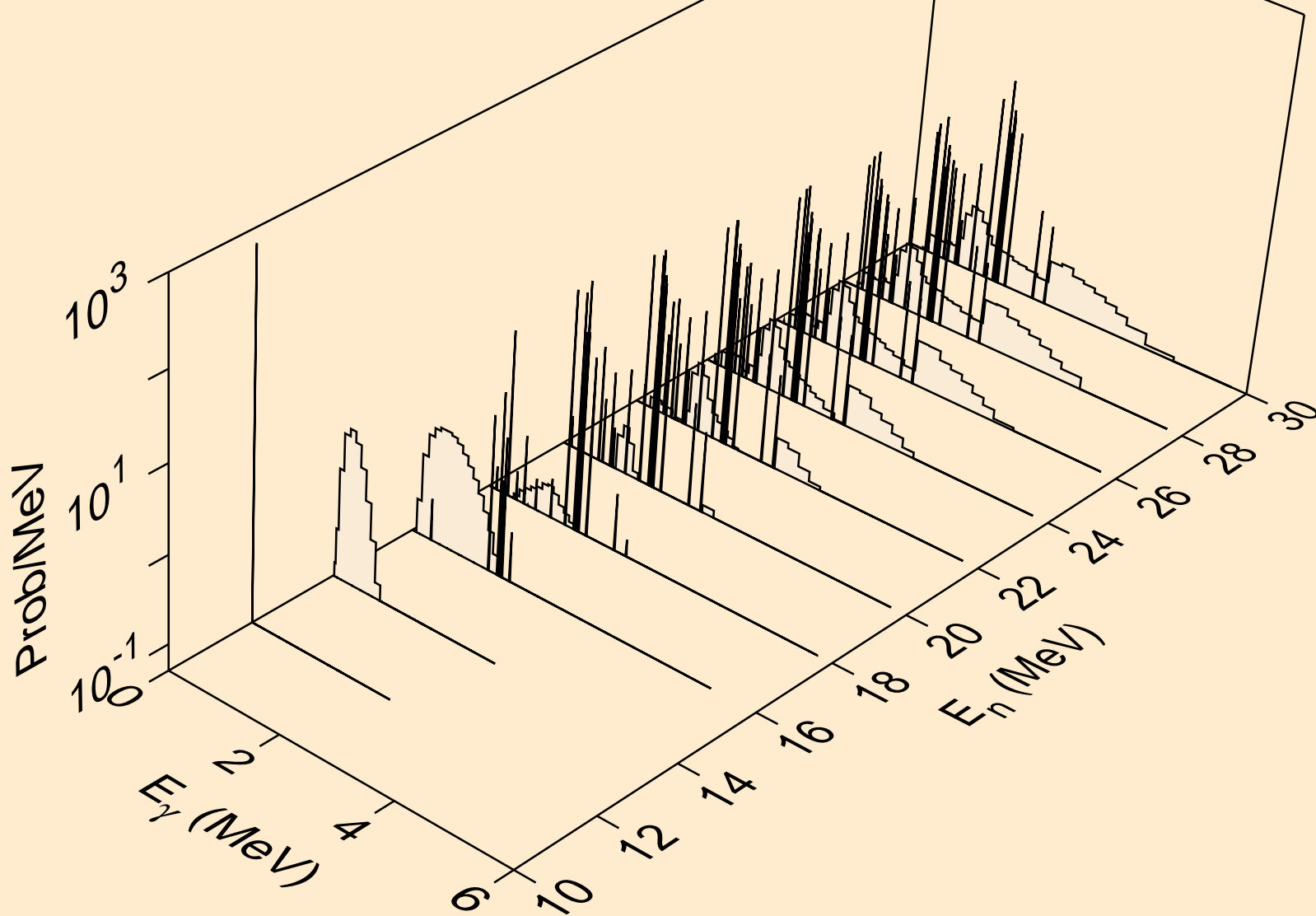
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Photon emission for (n,pa)



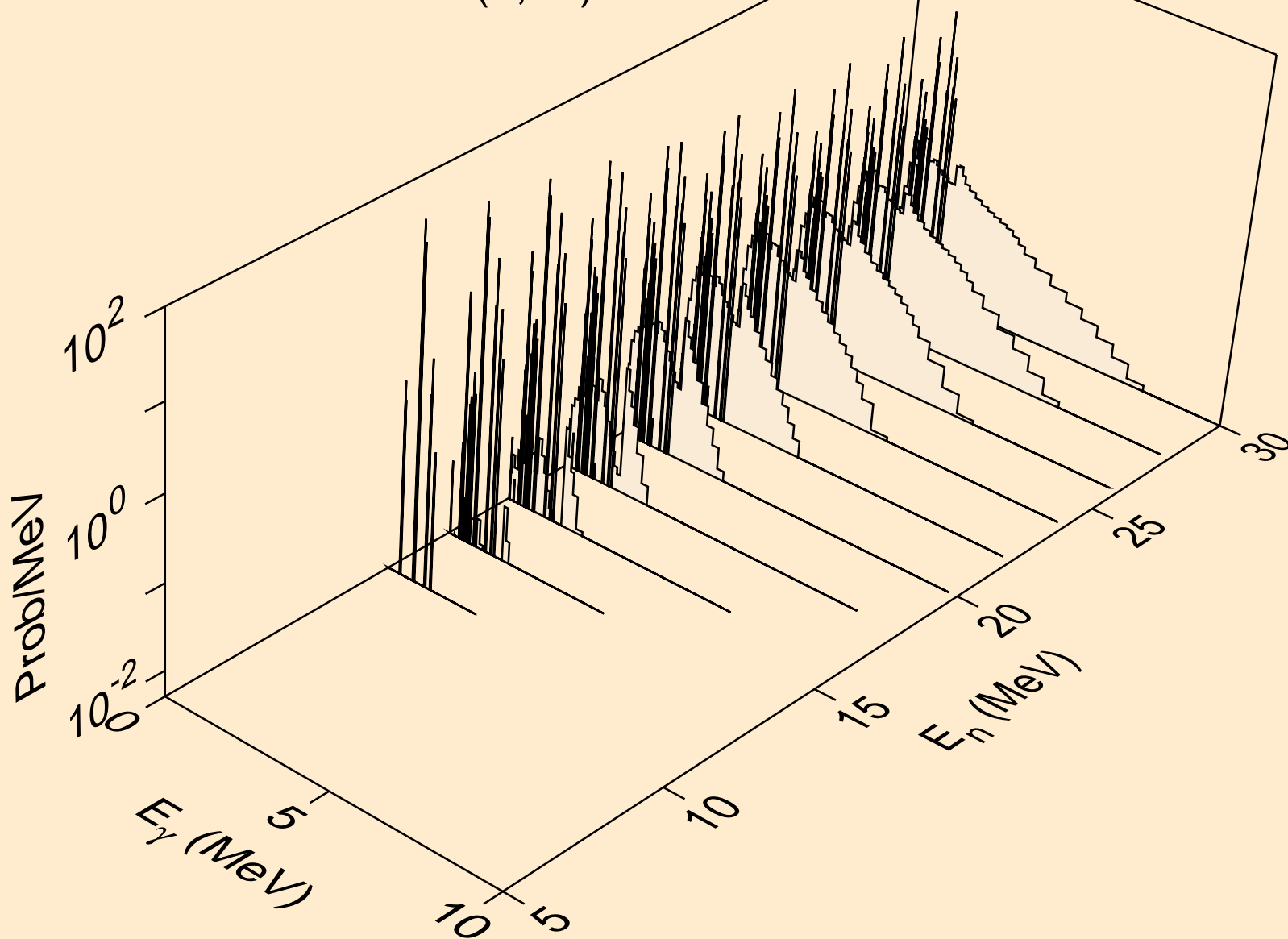
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Photon emission for (n,pd)



TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

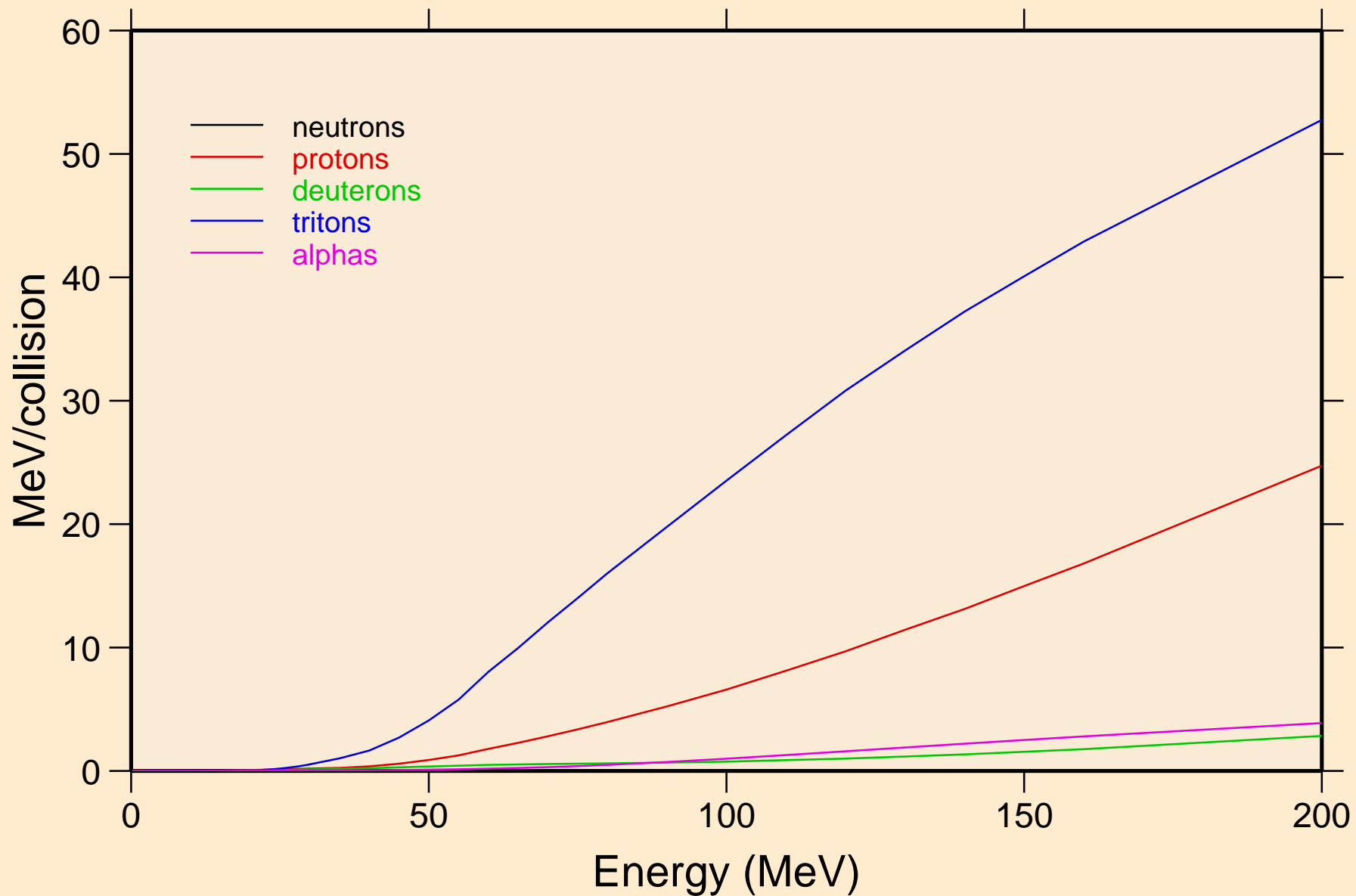


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Photon emission for (n,da)



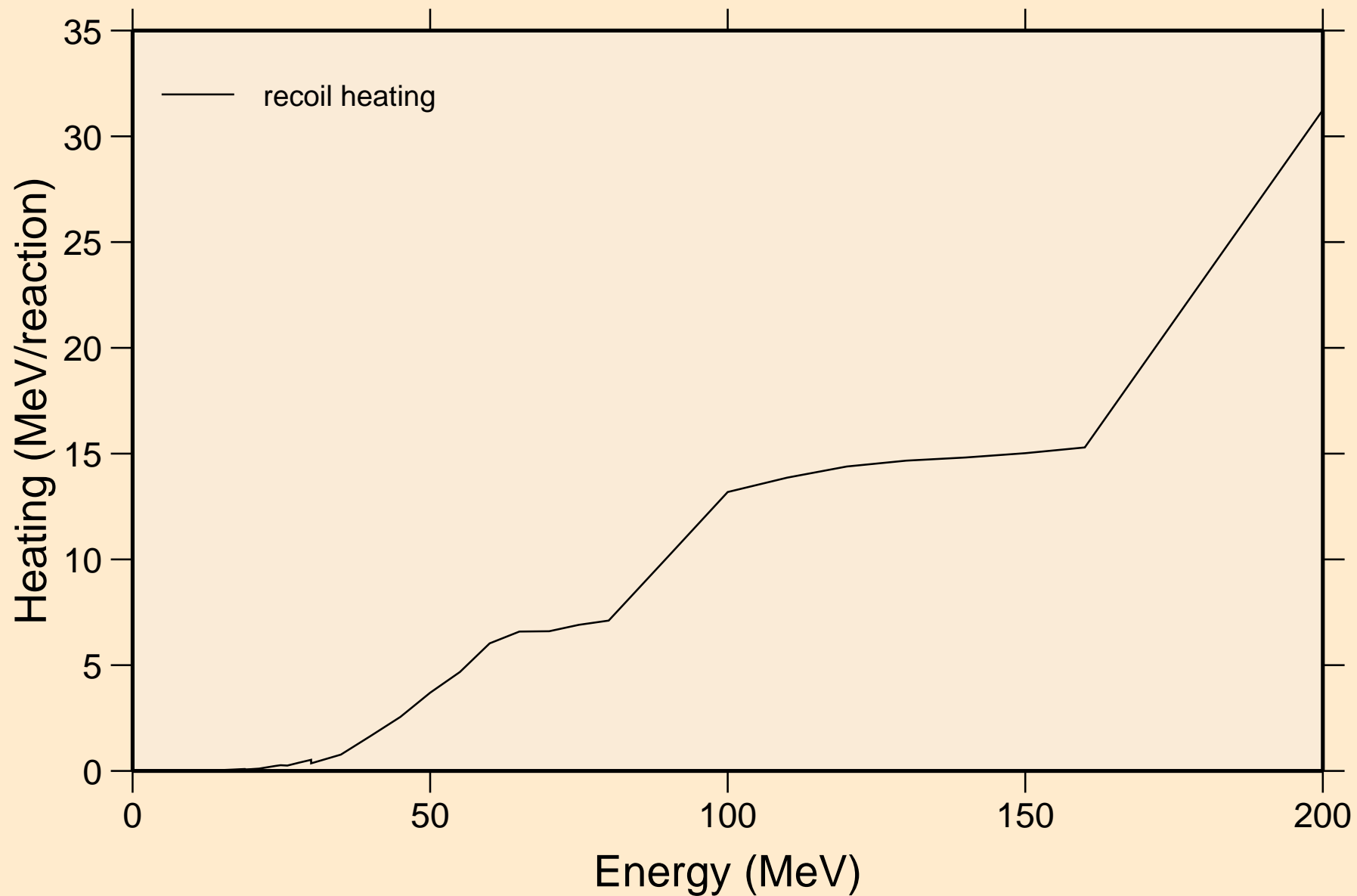
# TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

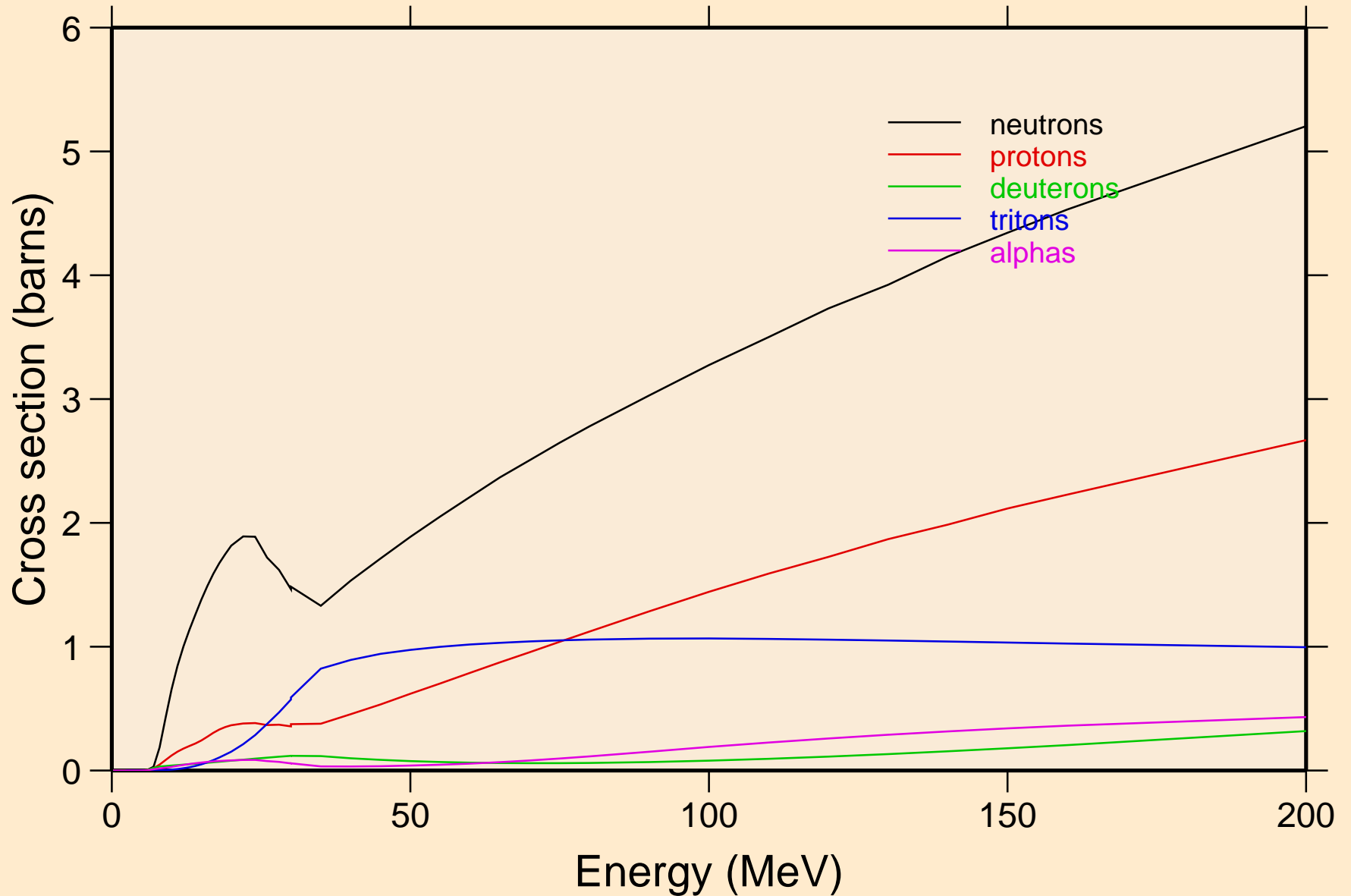




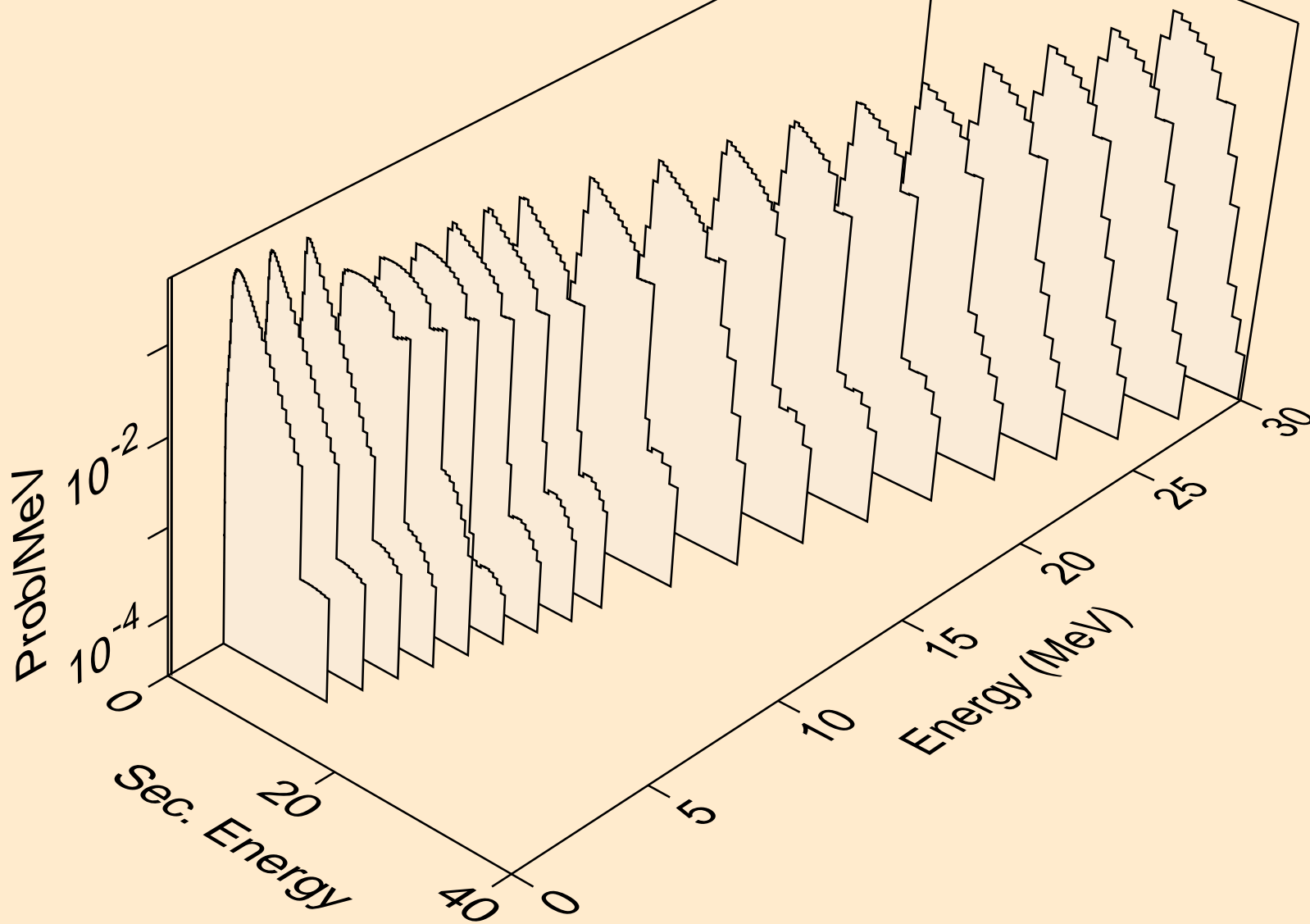
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Recoil Heating



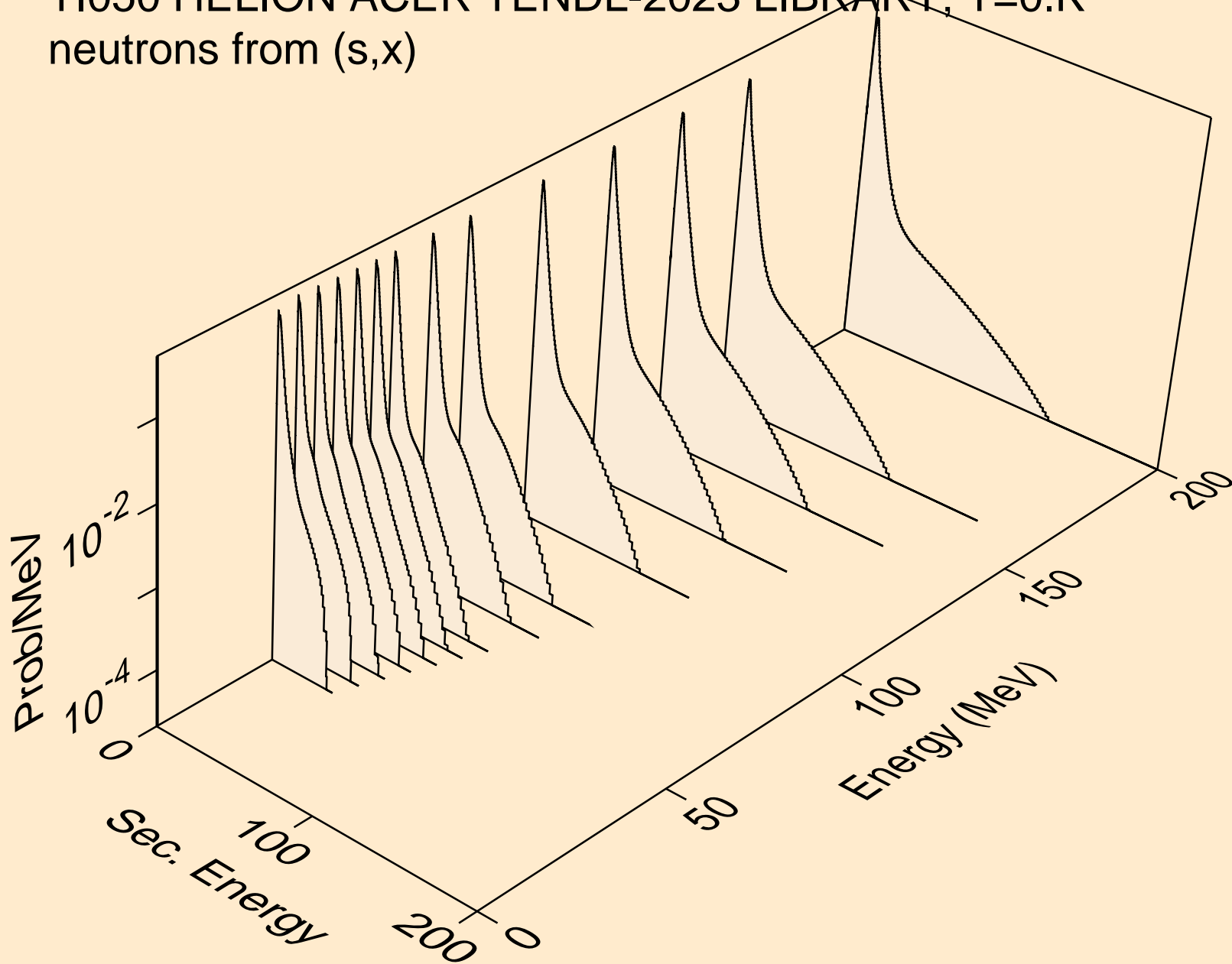
TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



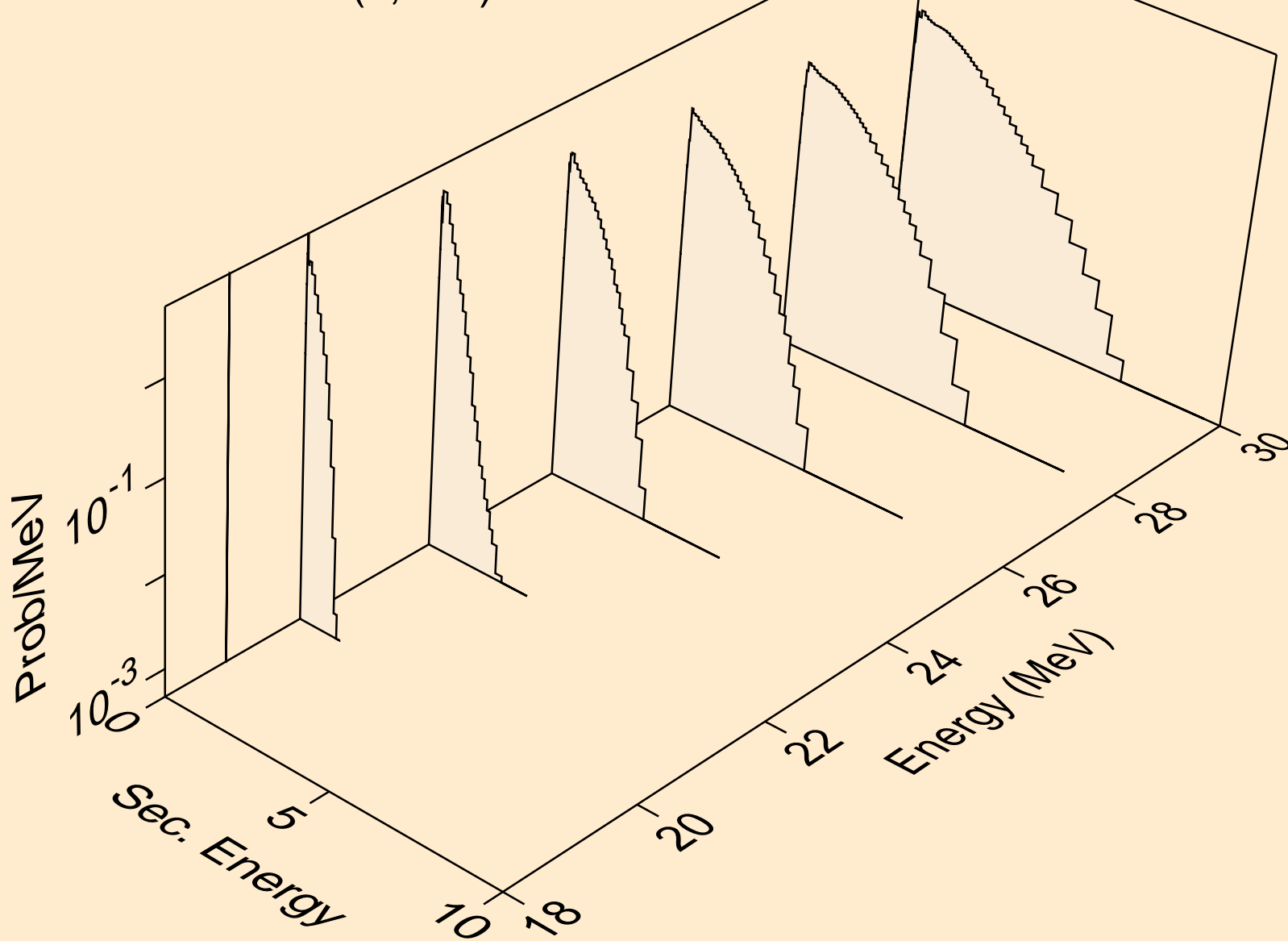
TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



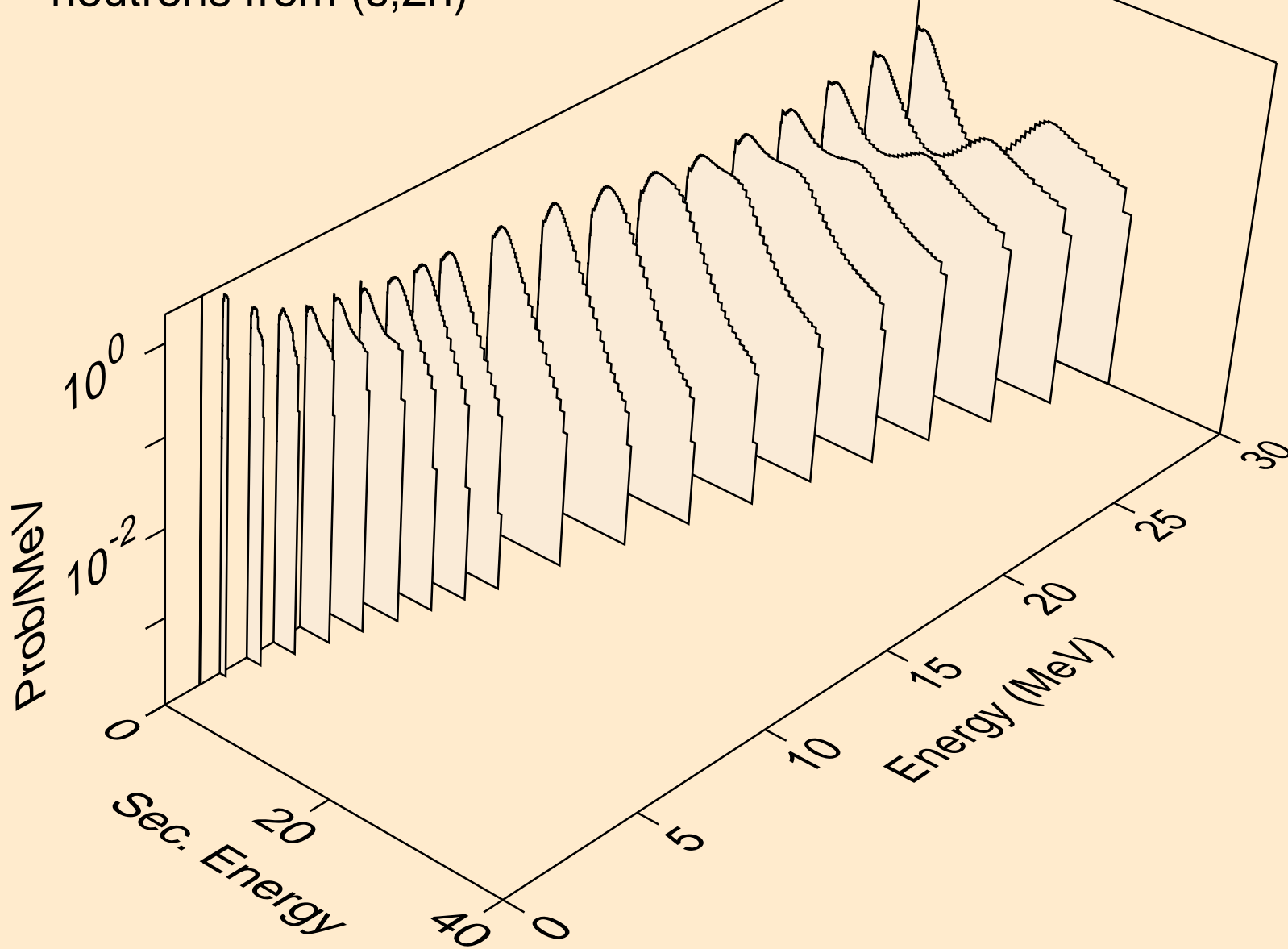
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neutrons from (s,x)



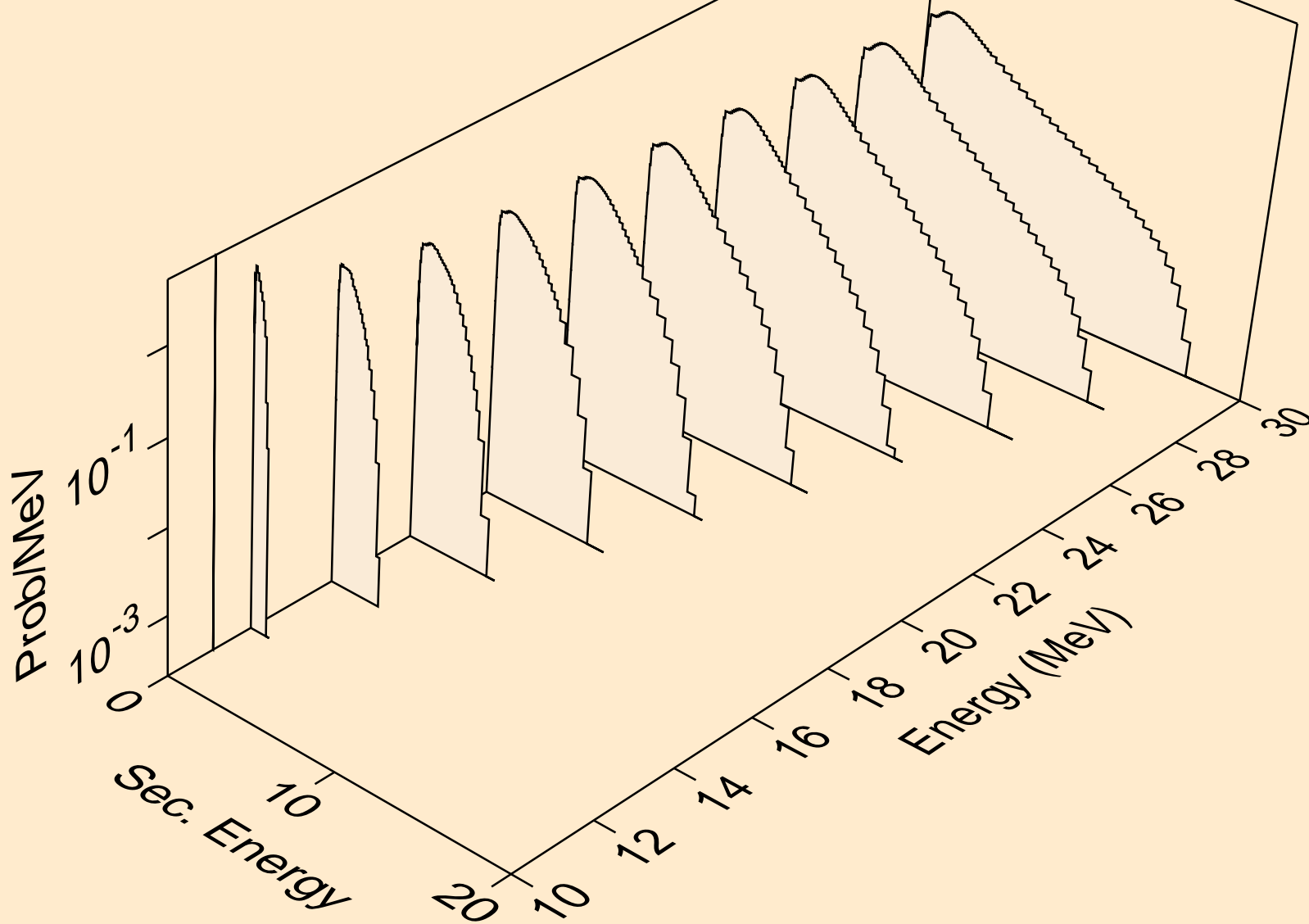
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neutrons from (s,2nd)



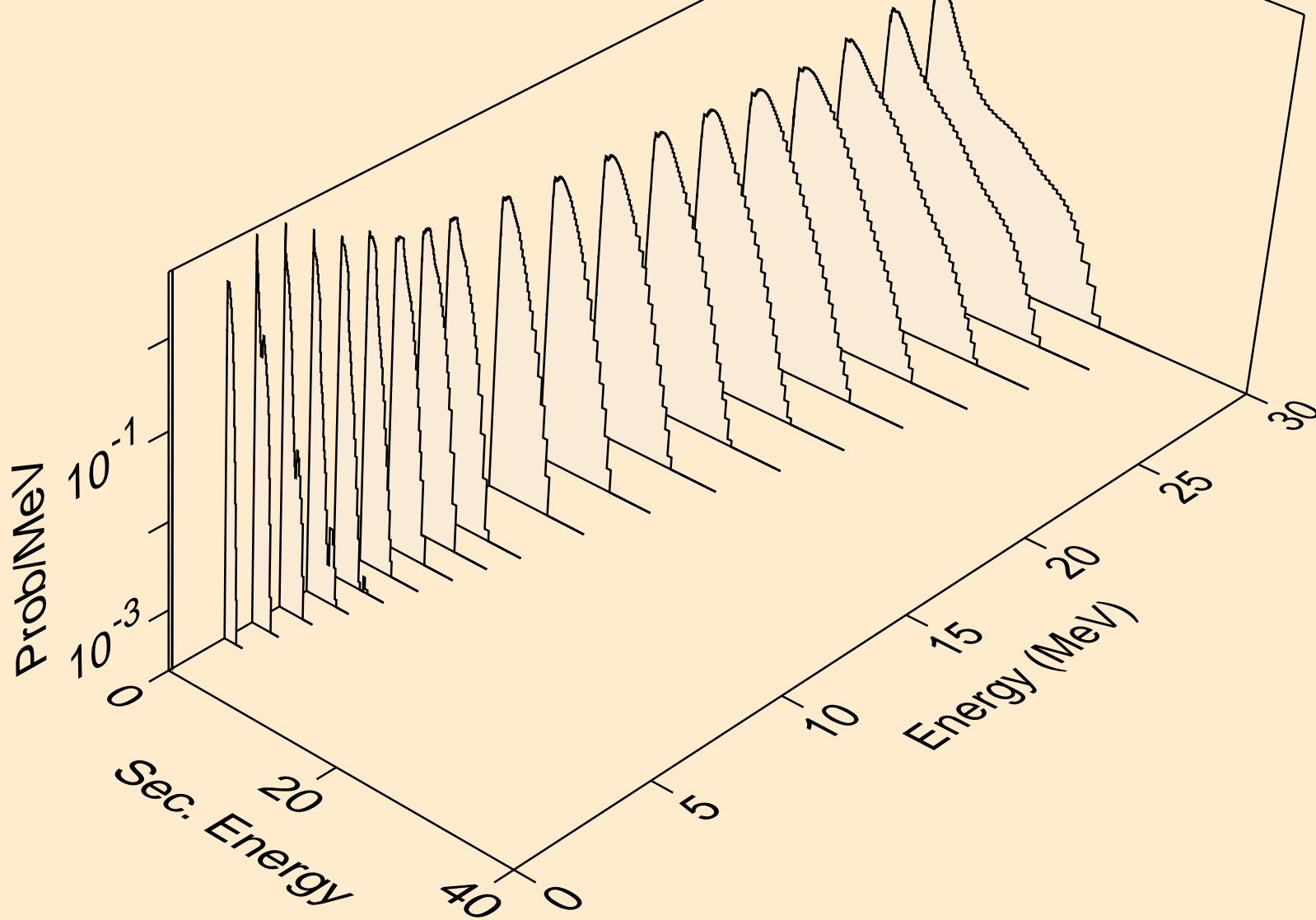
TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)



TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3n)

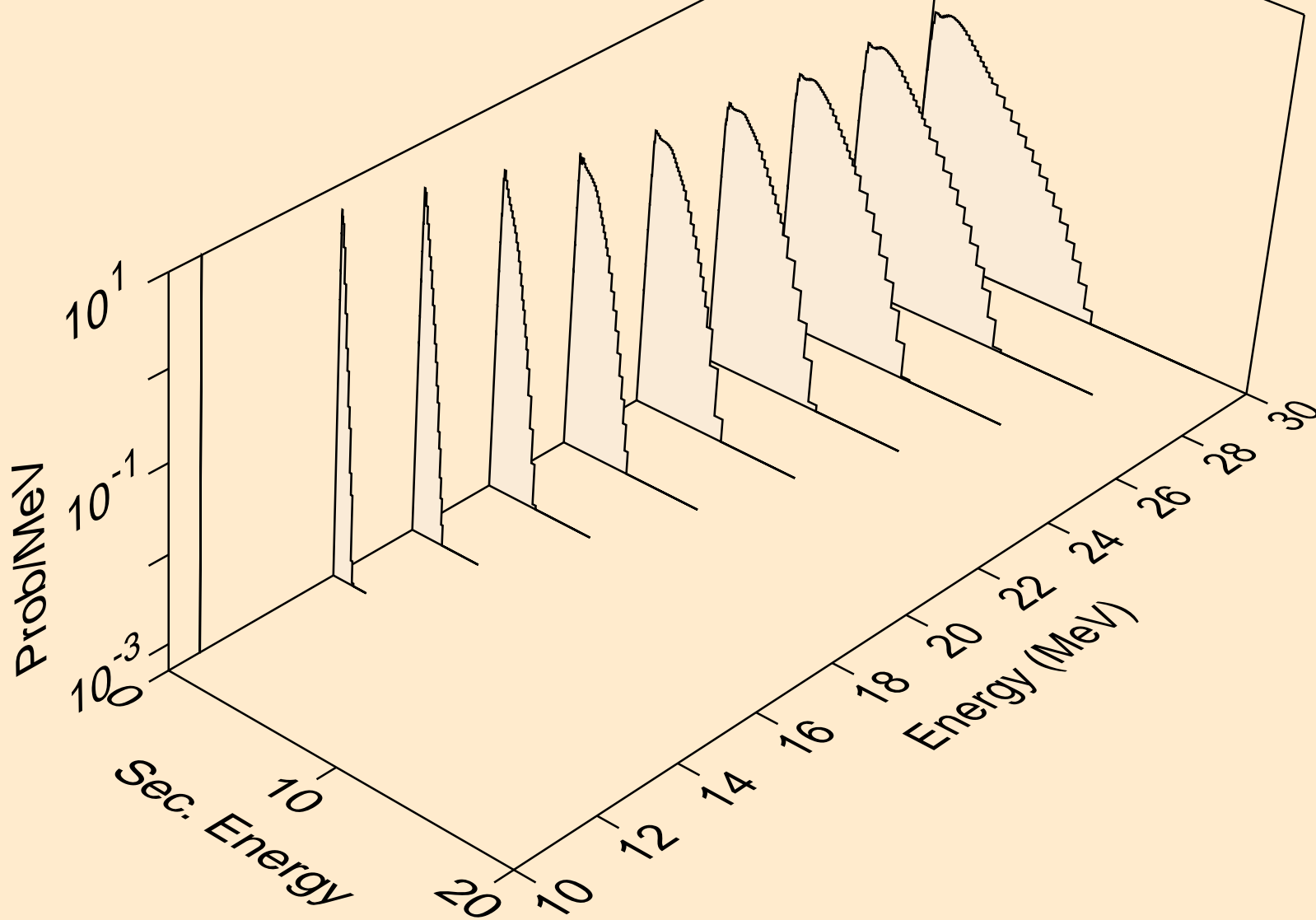


TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a

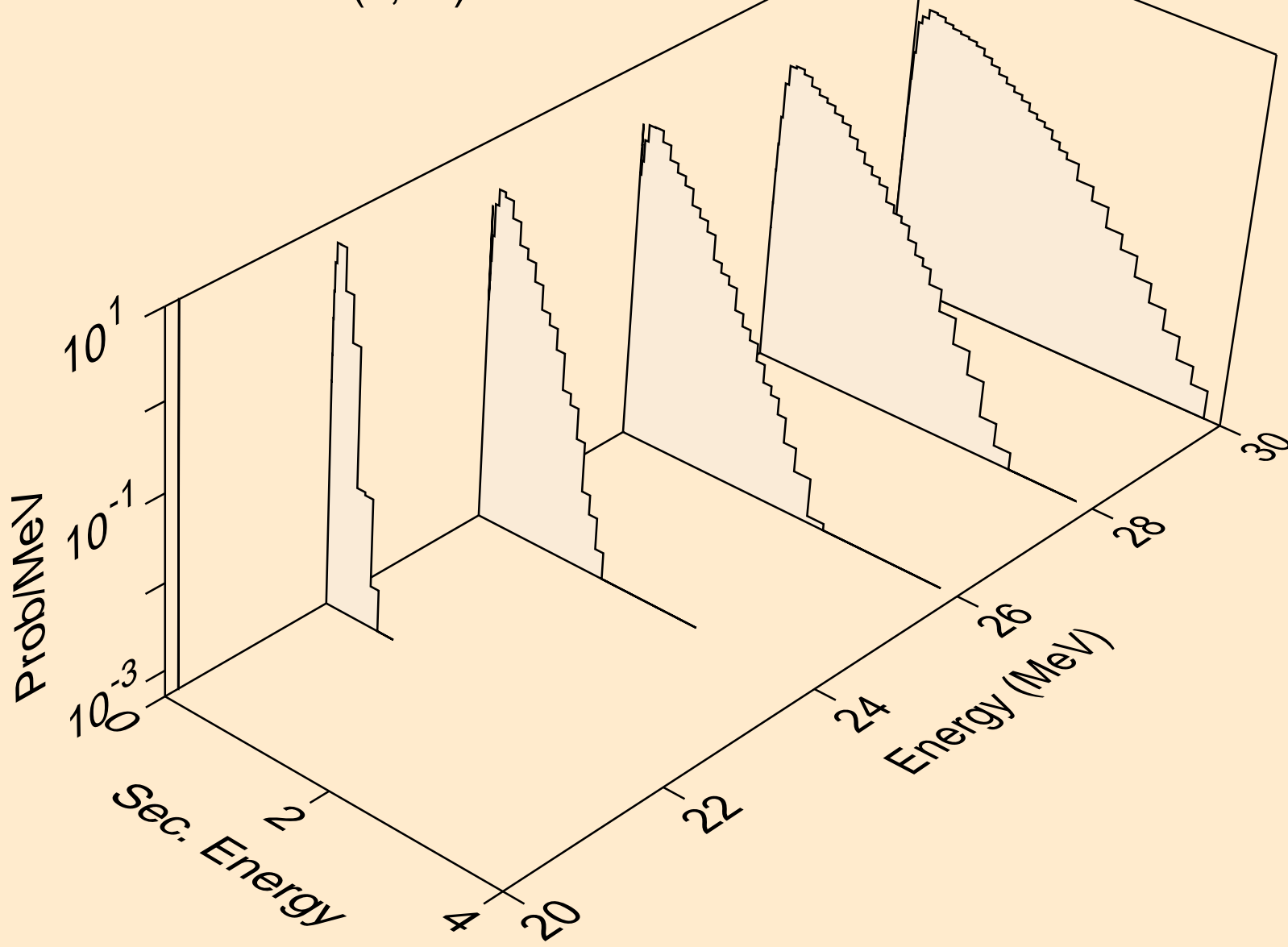




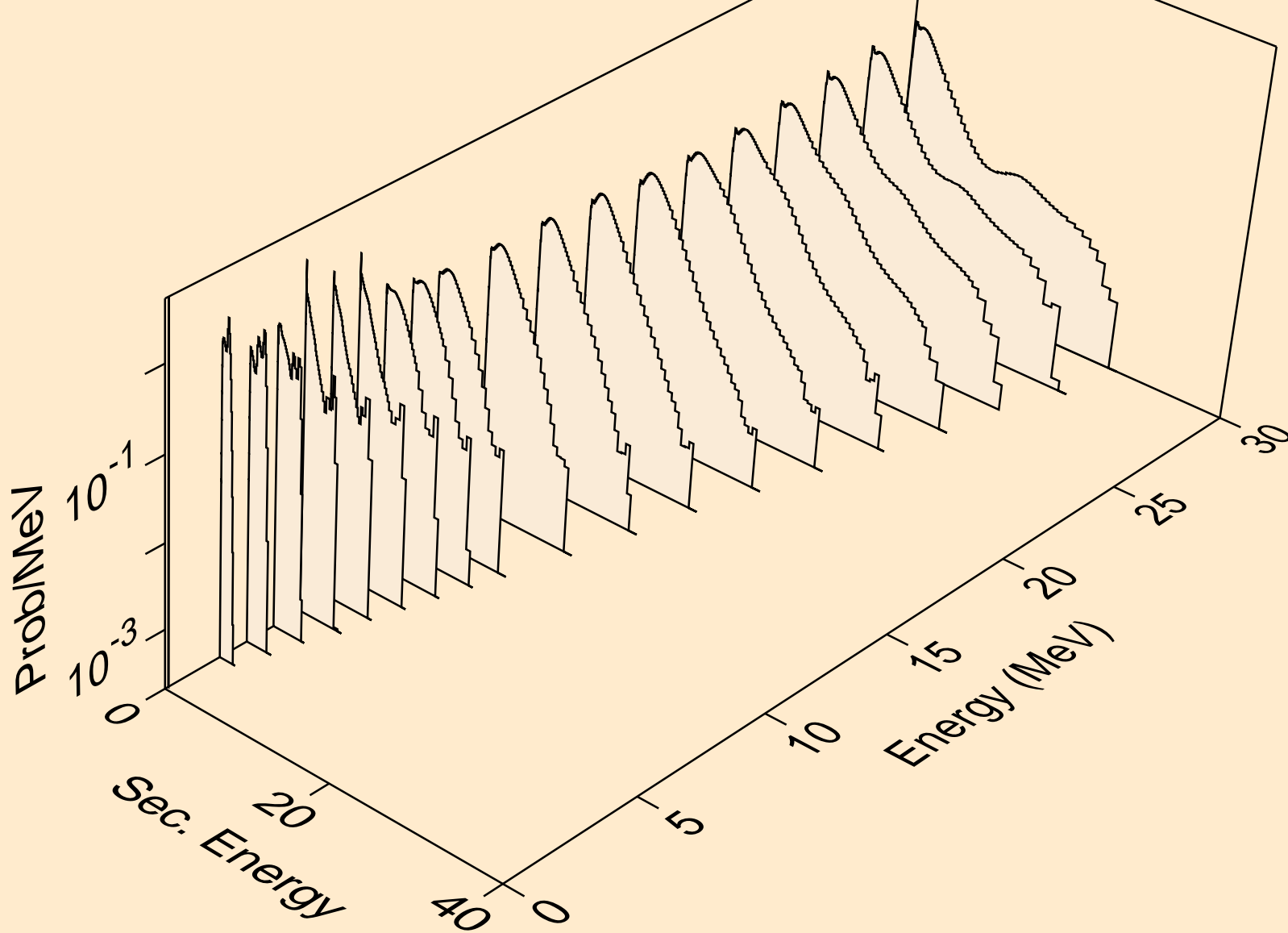
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neutrons from (s,2n)a



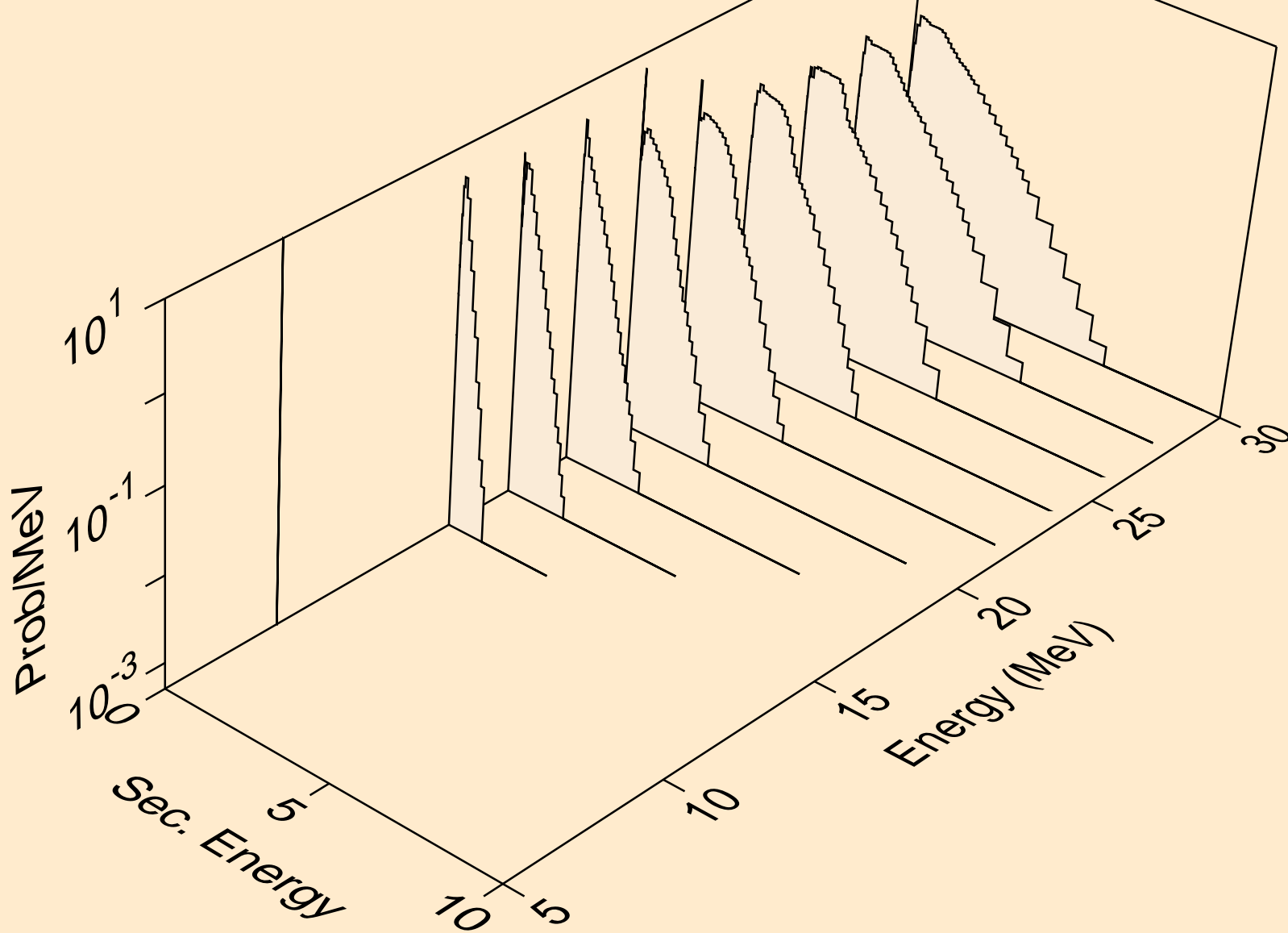
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neutrons from (s,3n)a



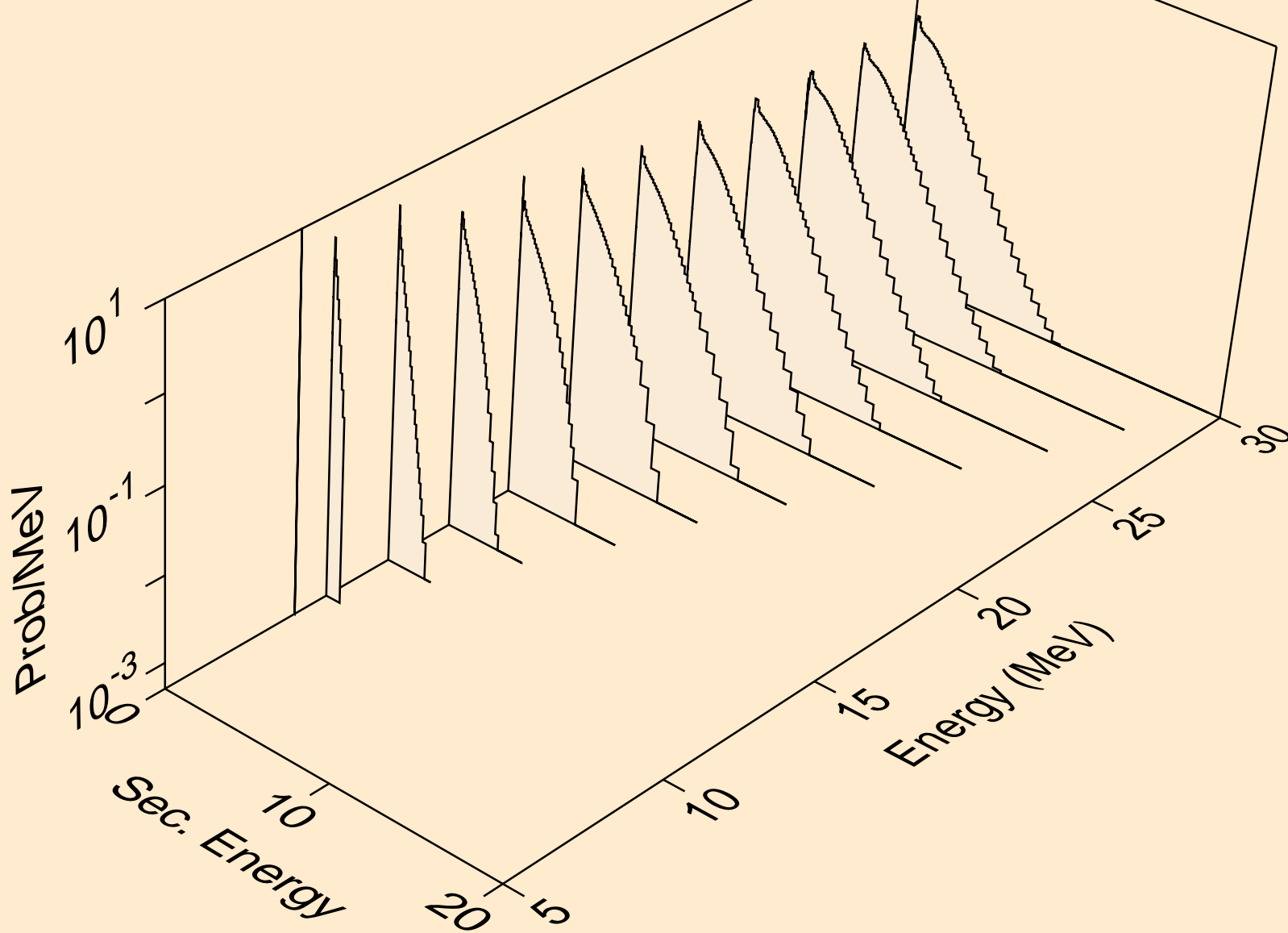
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neutrons from (s,n\*)p



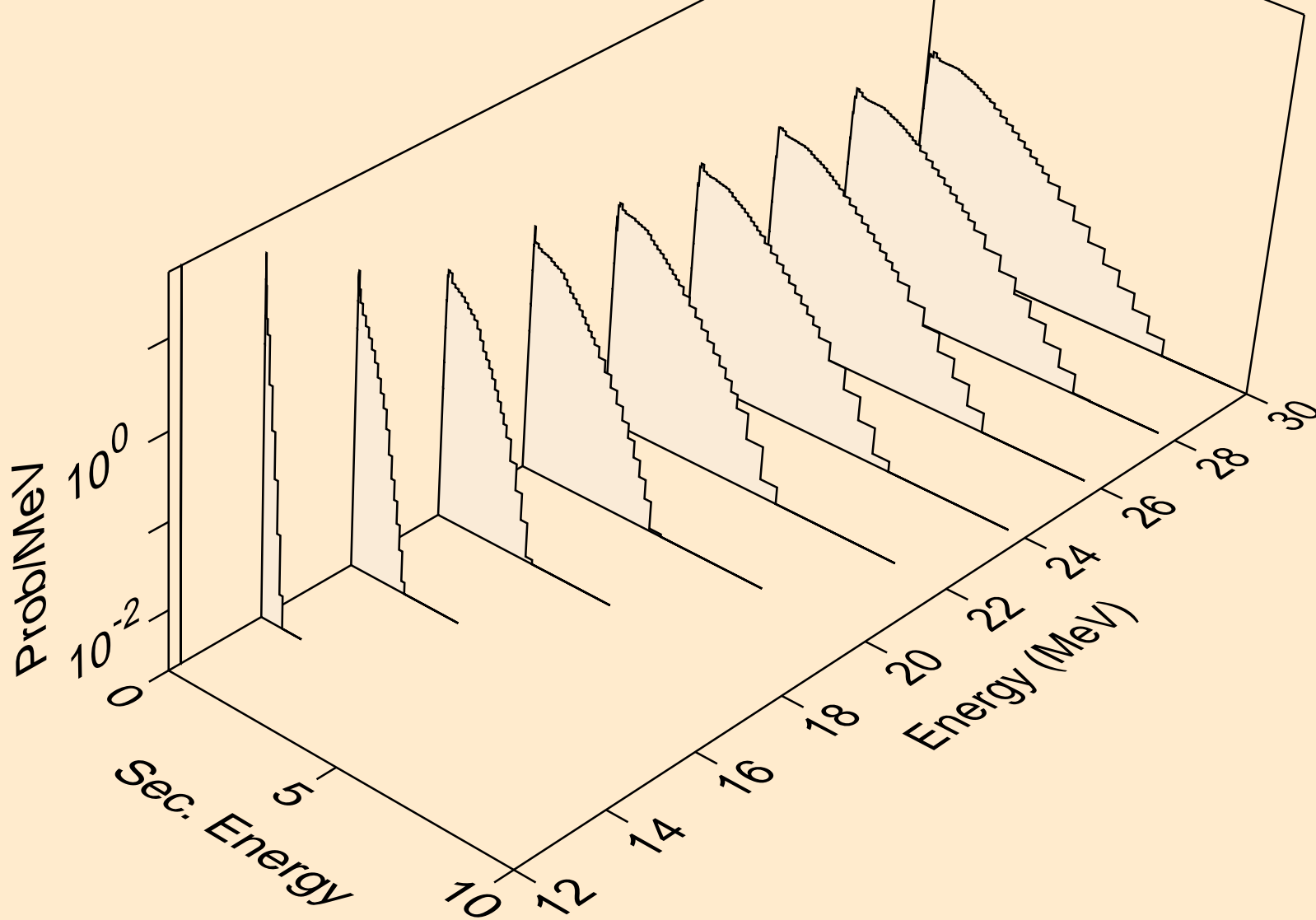
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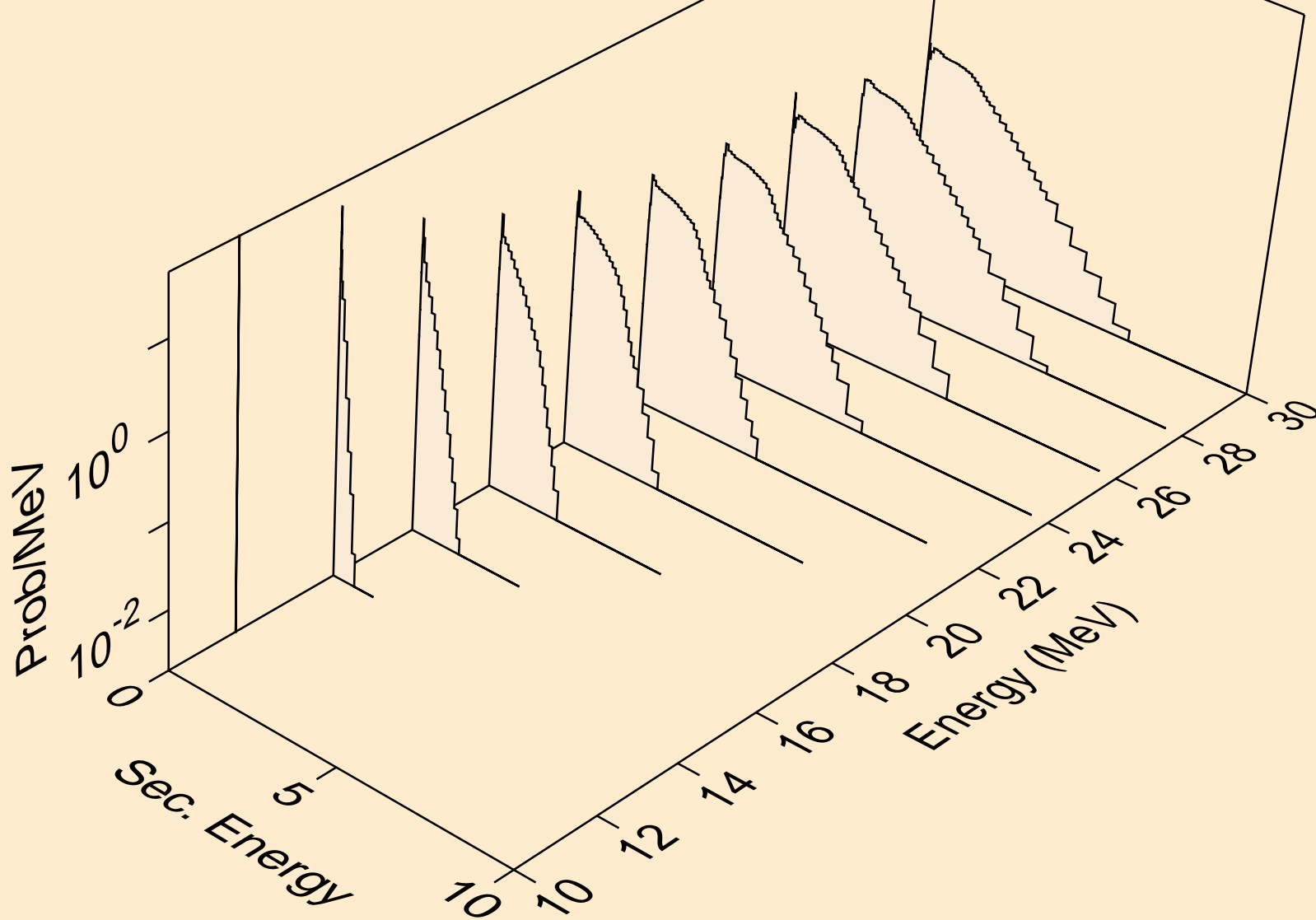
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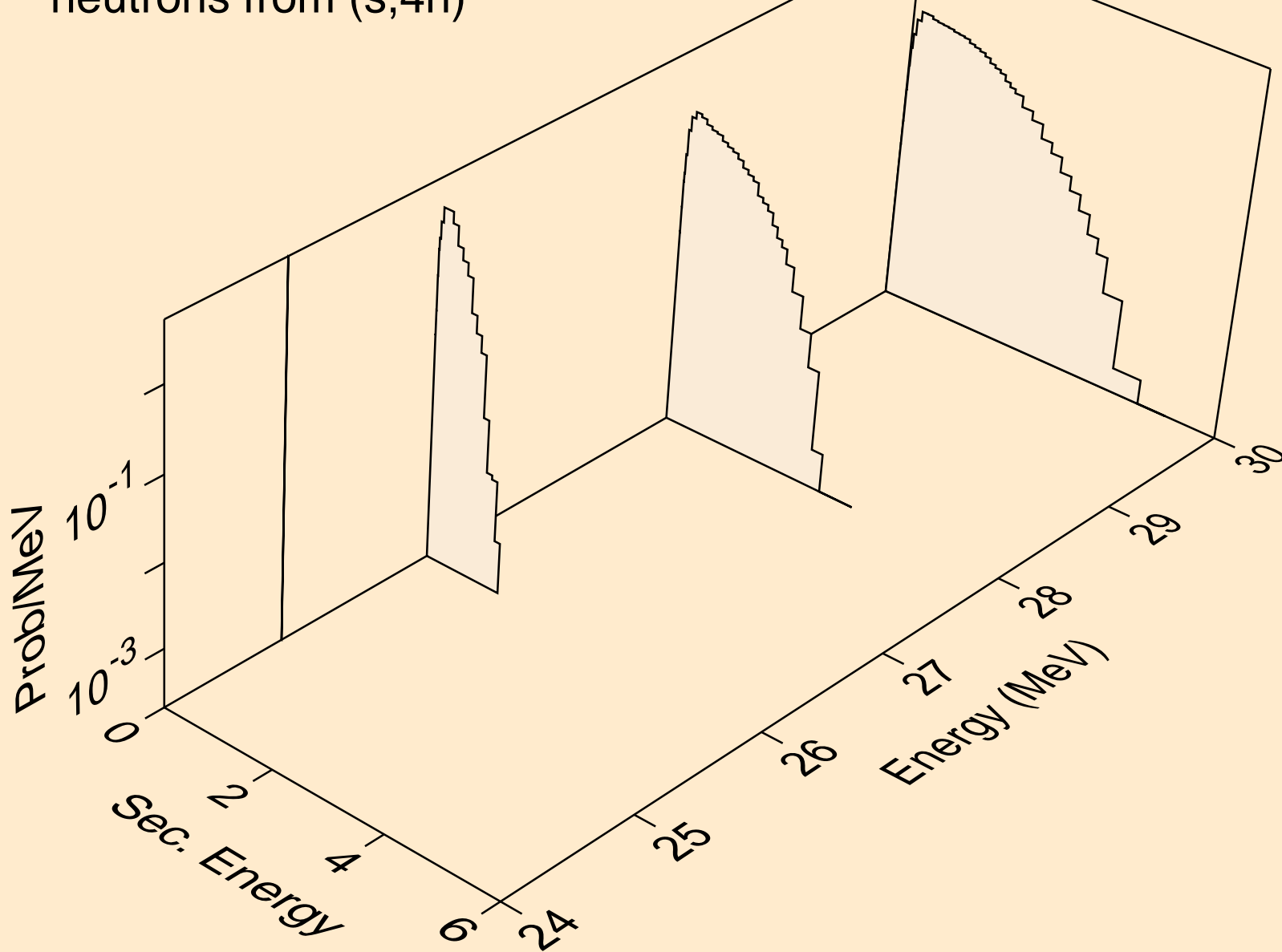
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neutrons from (s,n\*)t



TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)he3

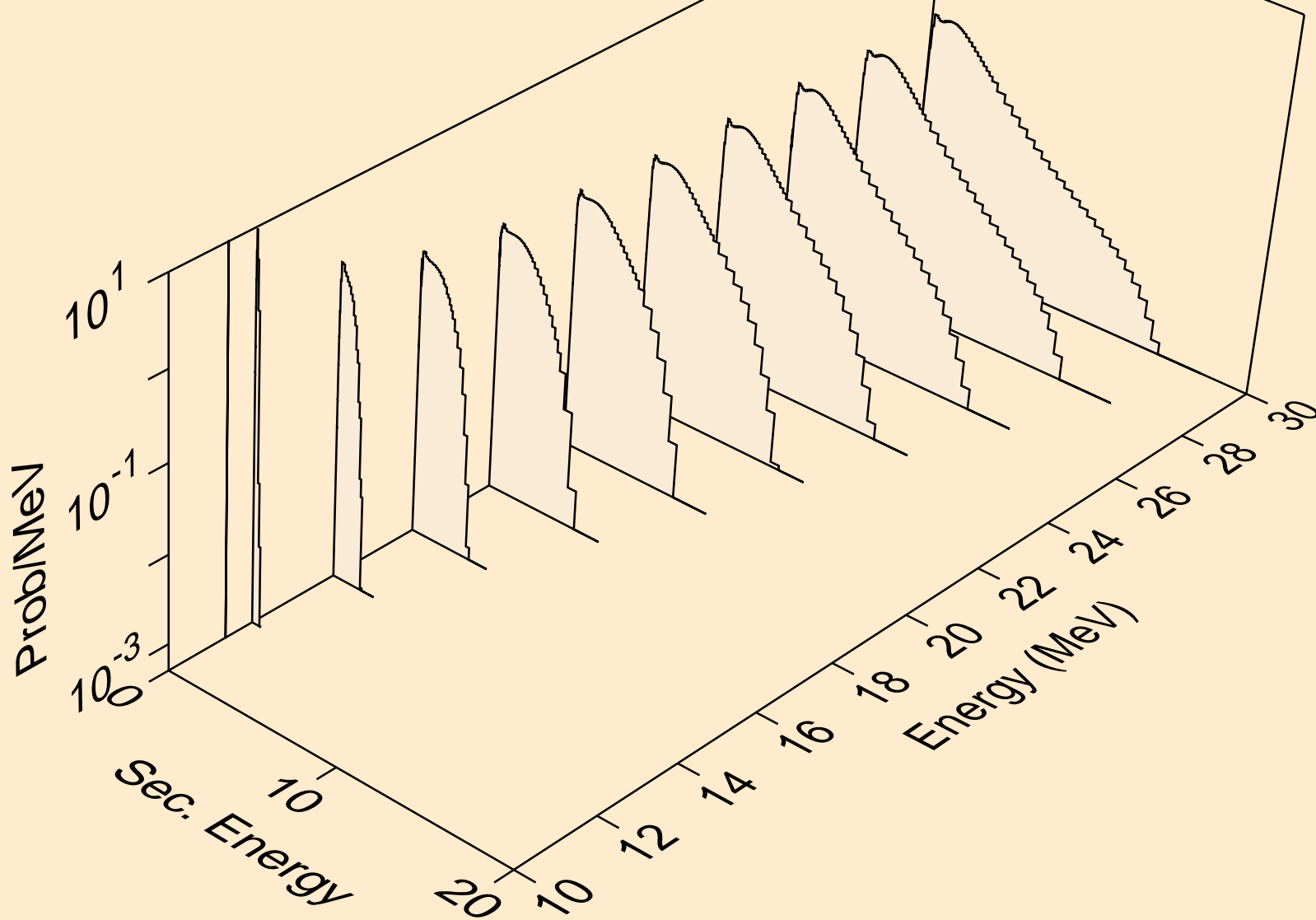


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neutrons from (s,4n)

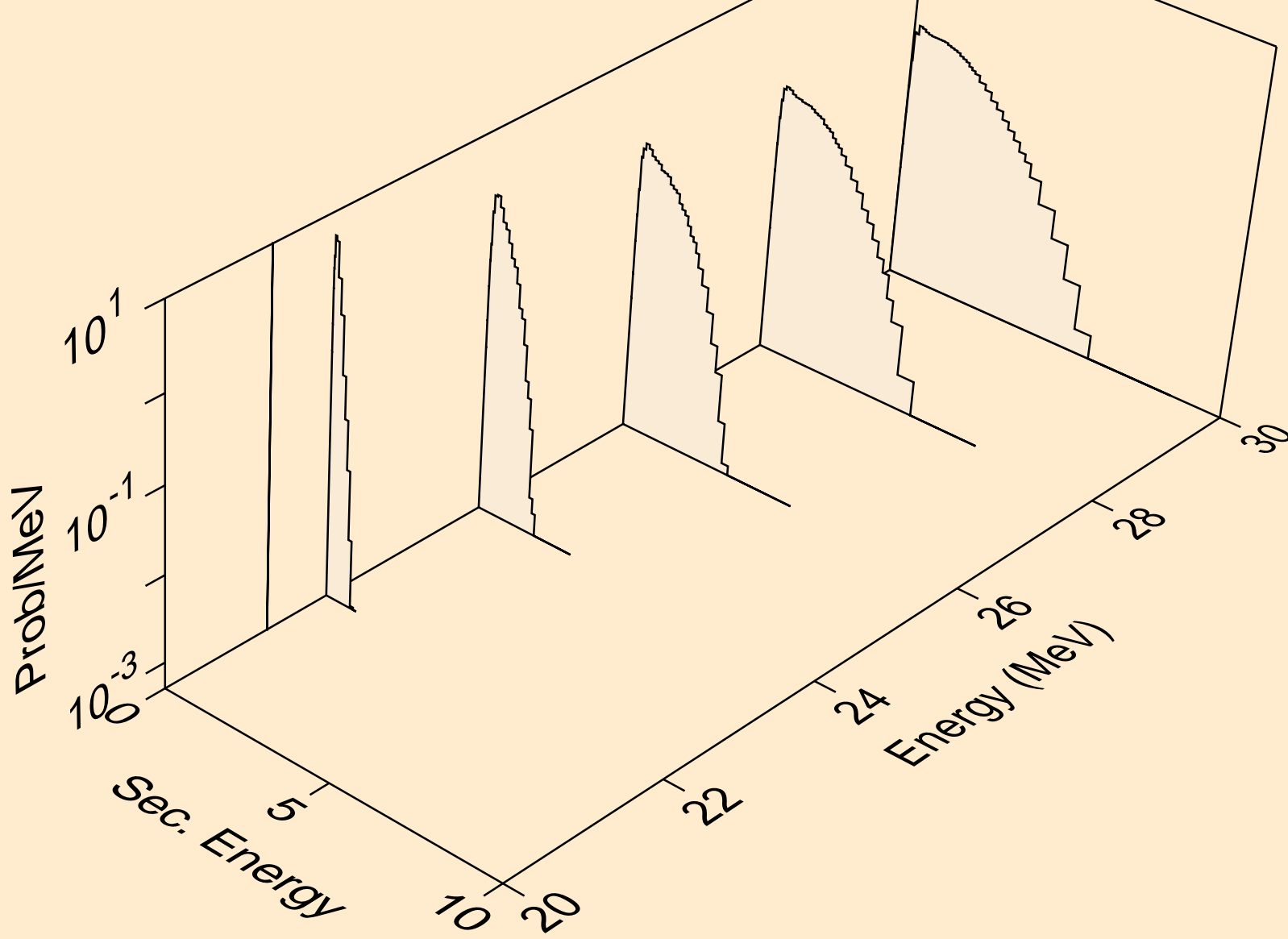




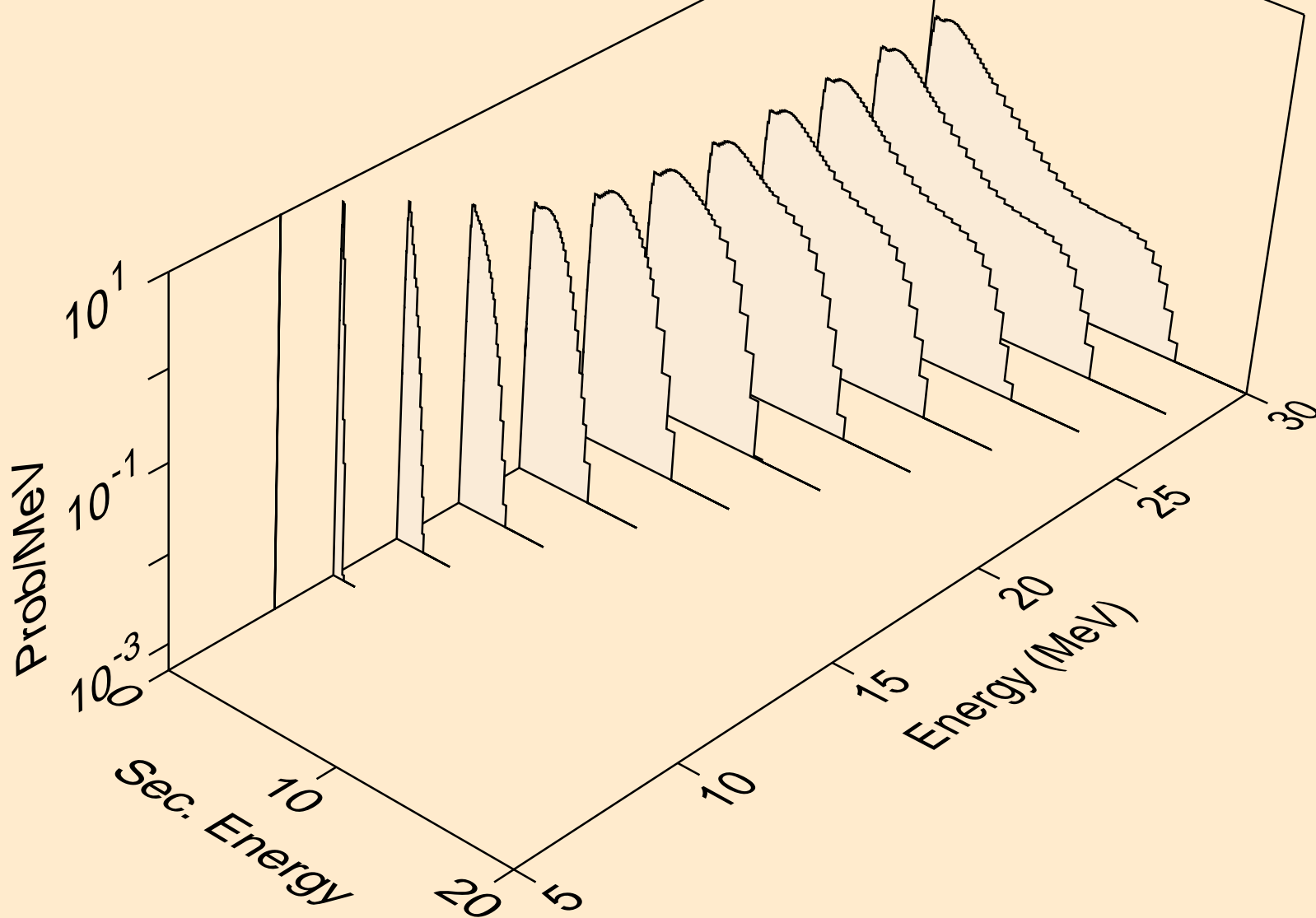
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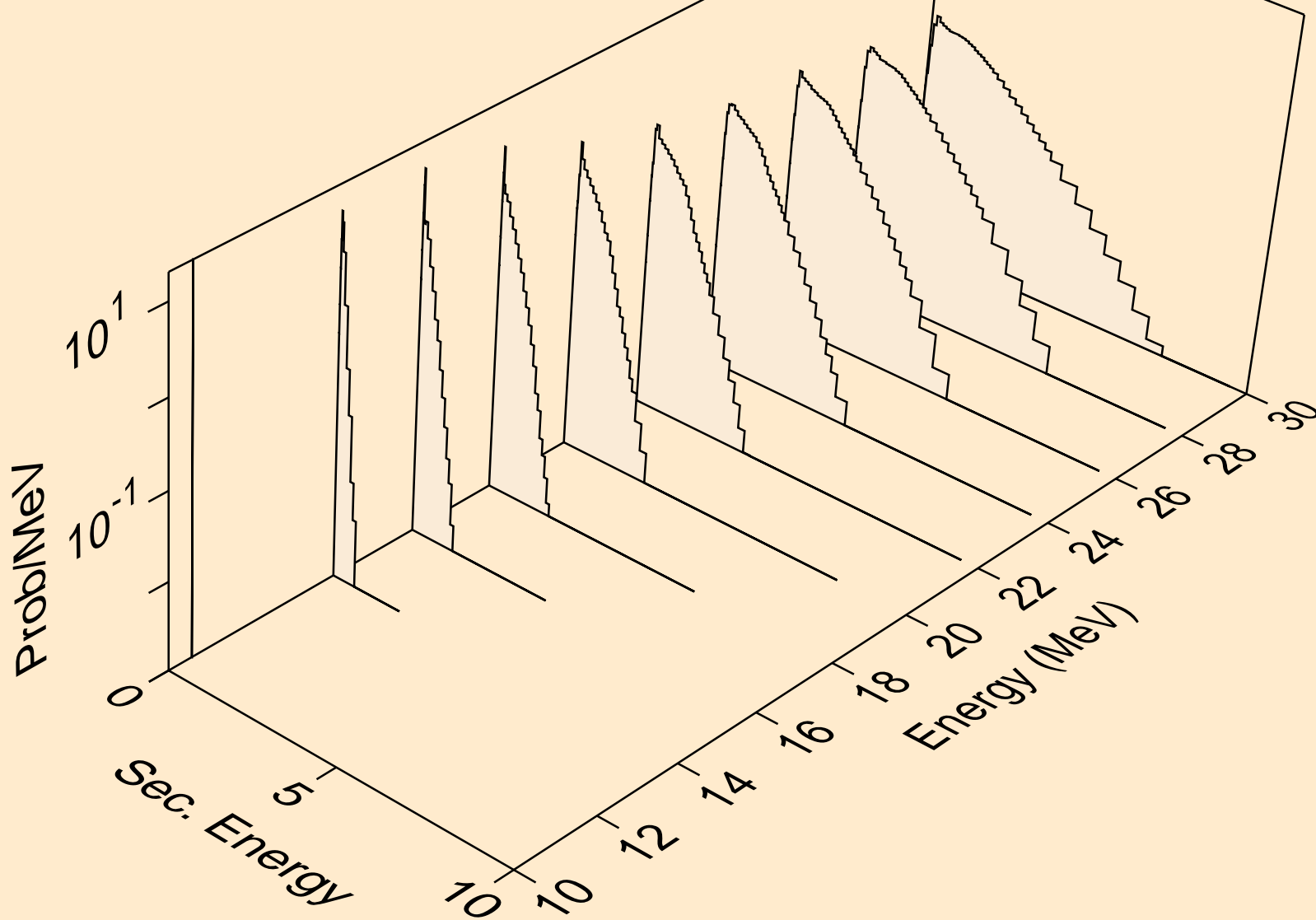
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neutrons from (s,3np)



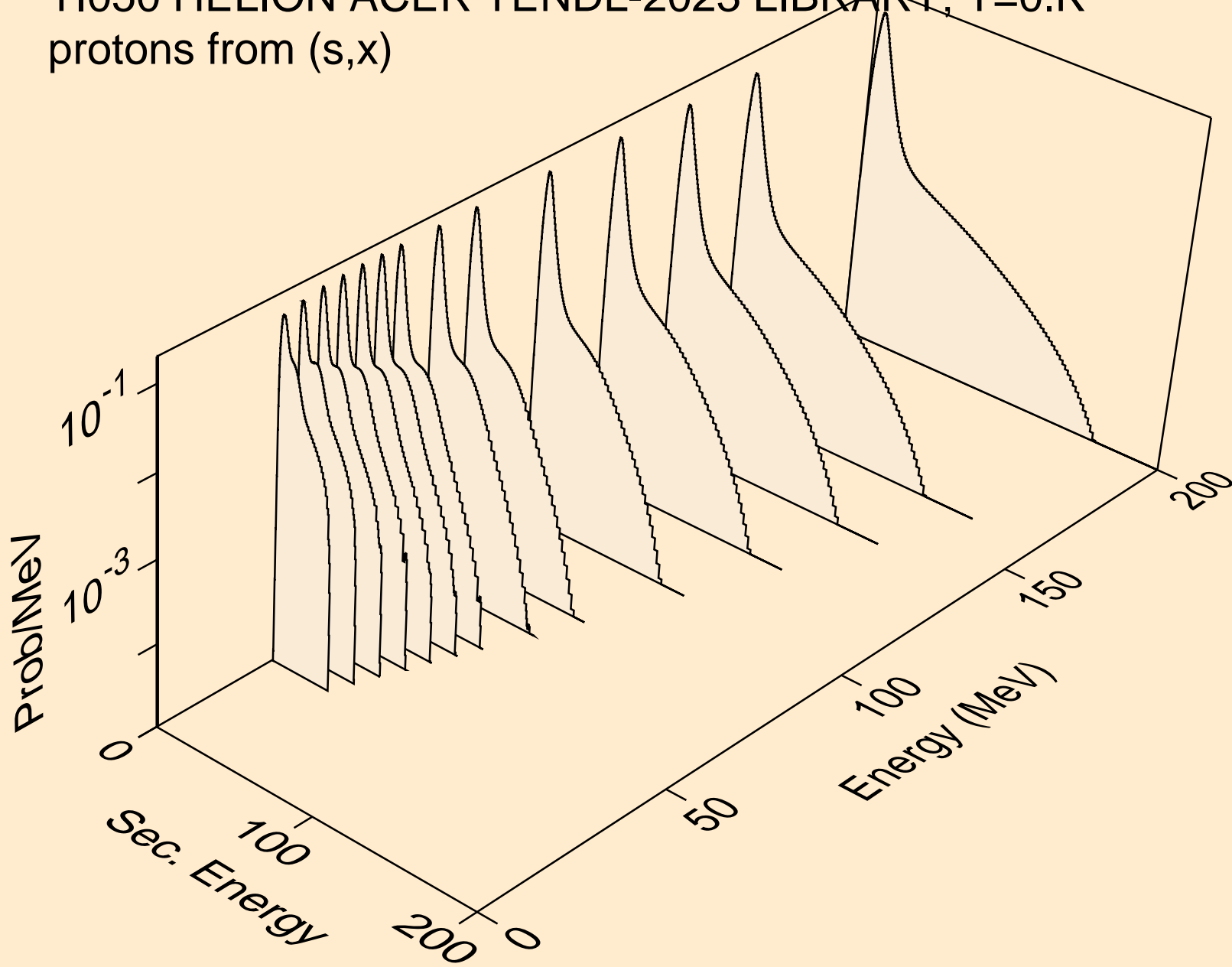
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neutrons from (s,n2p)



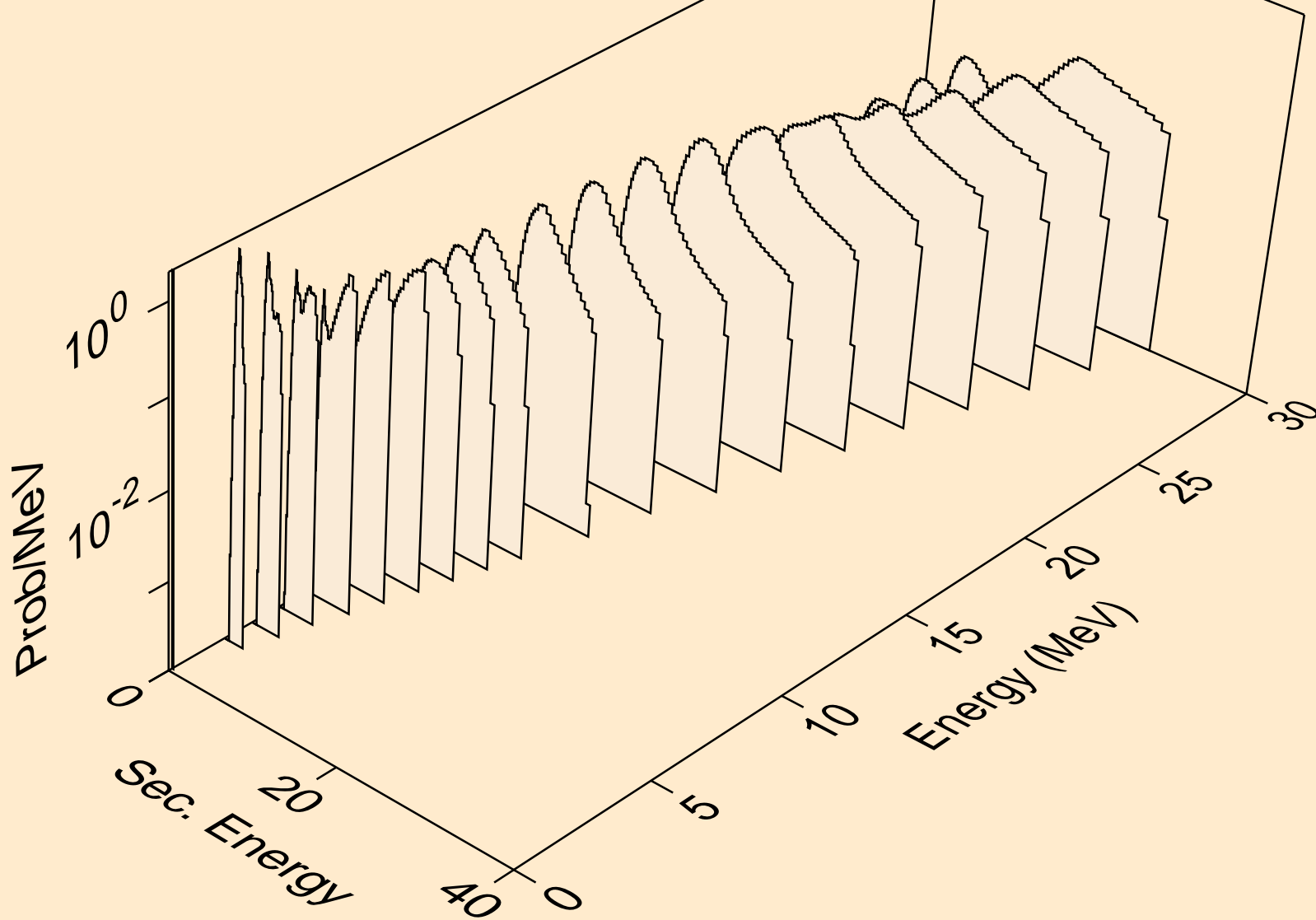
TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,npa)



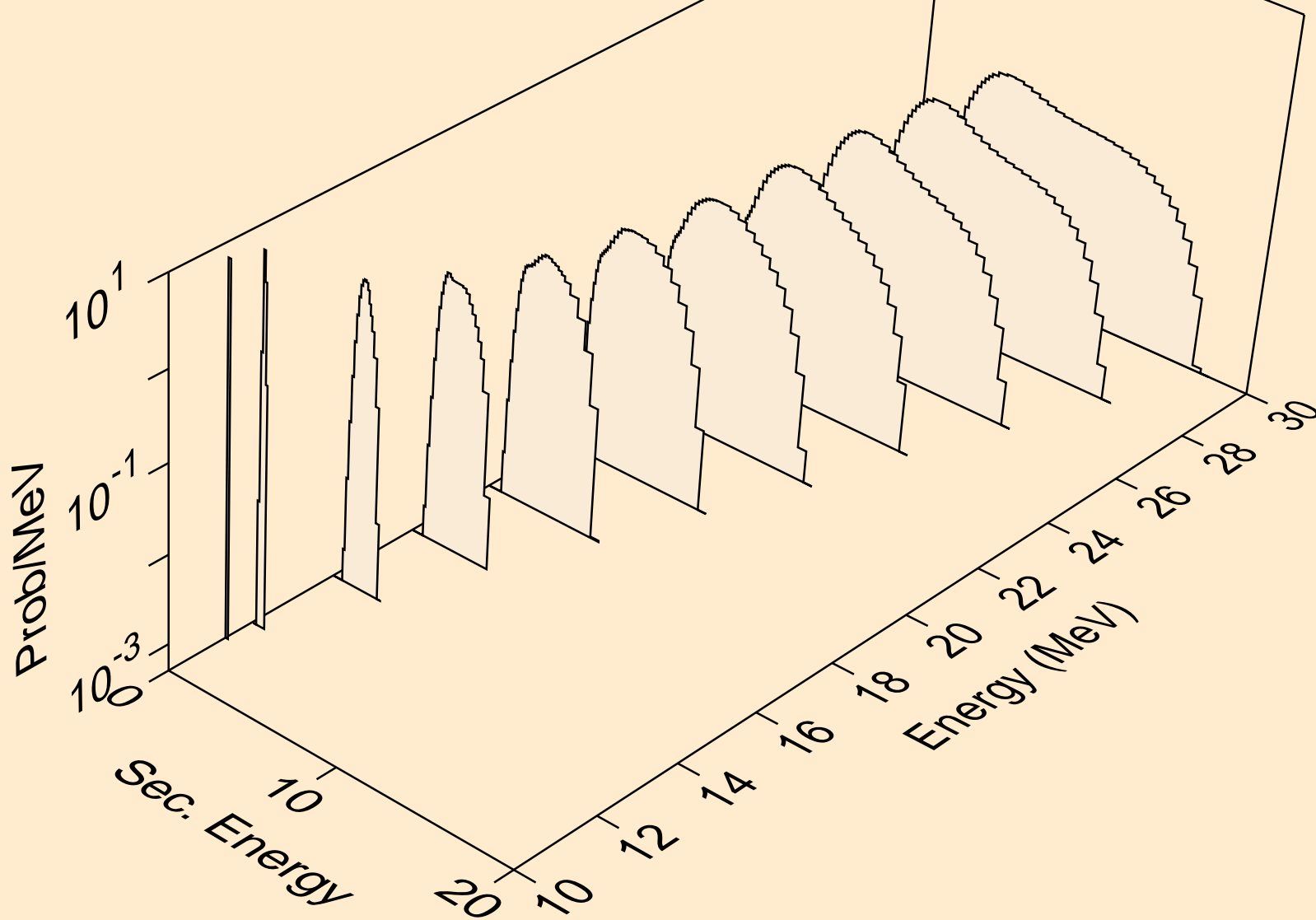
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protons from (s,x)



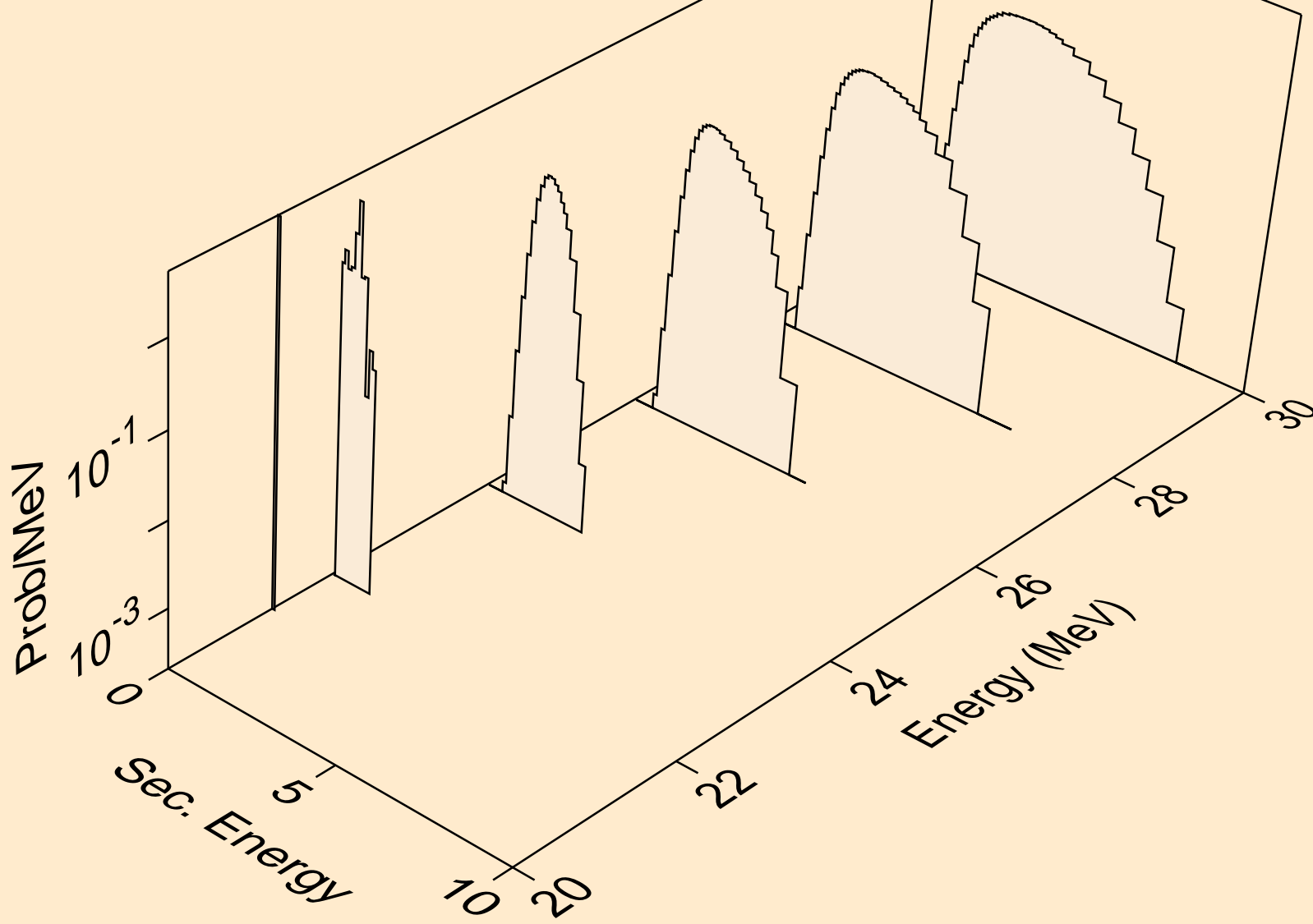
TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,n\*)p



TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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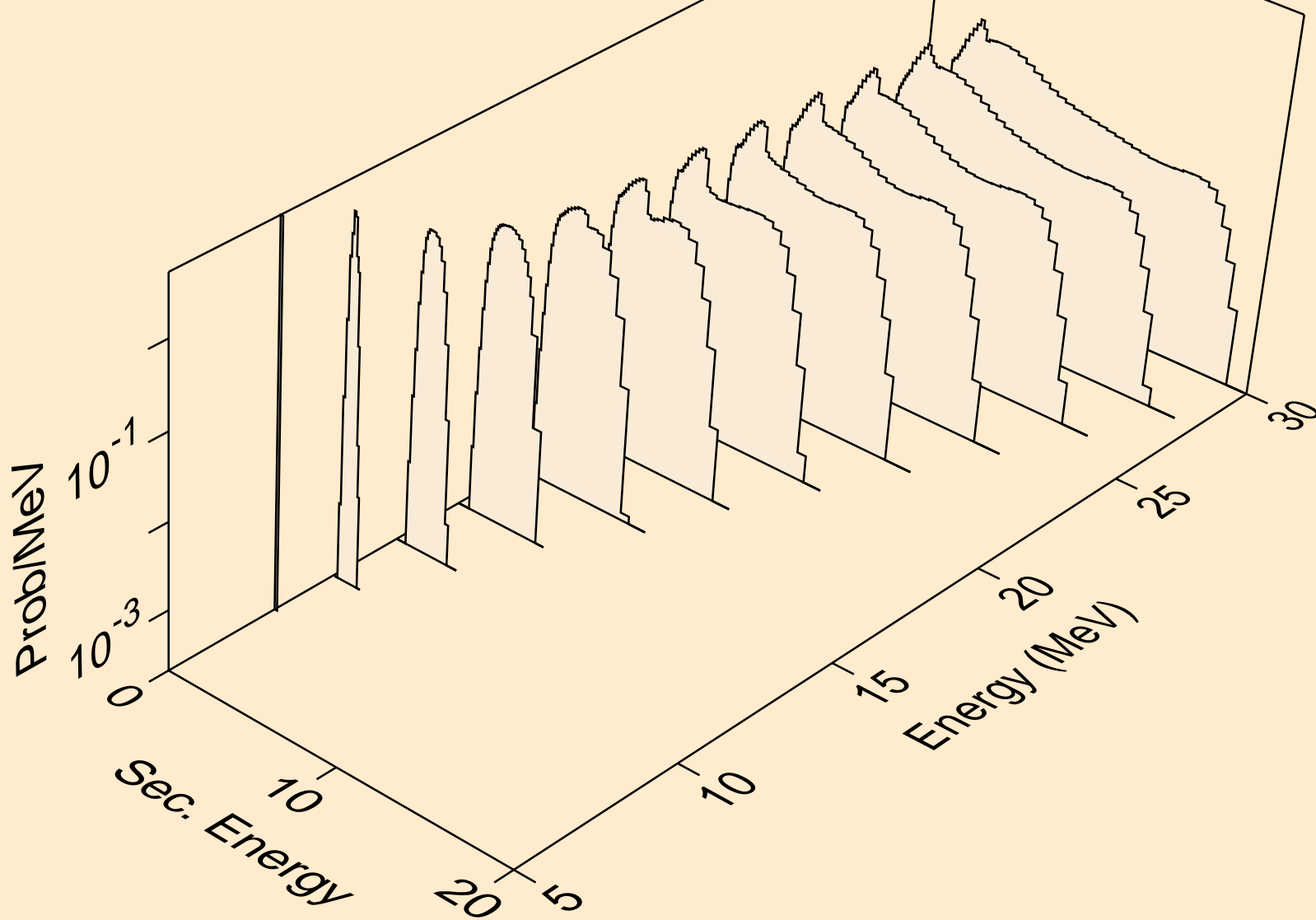


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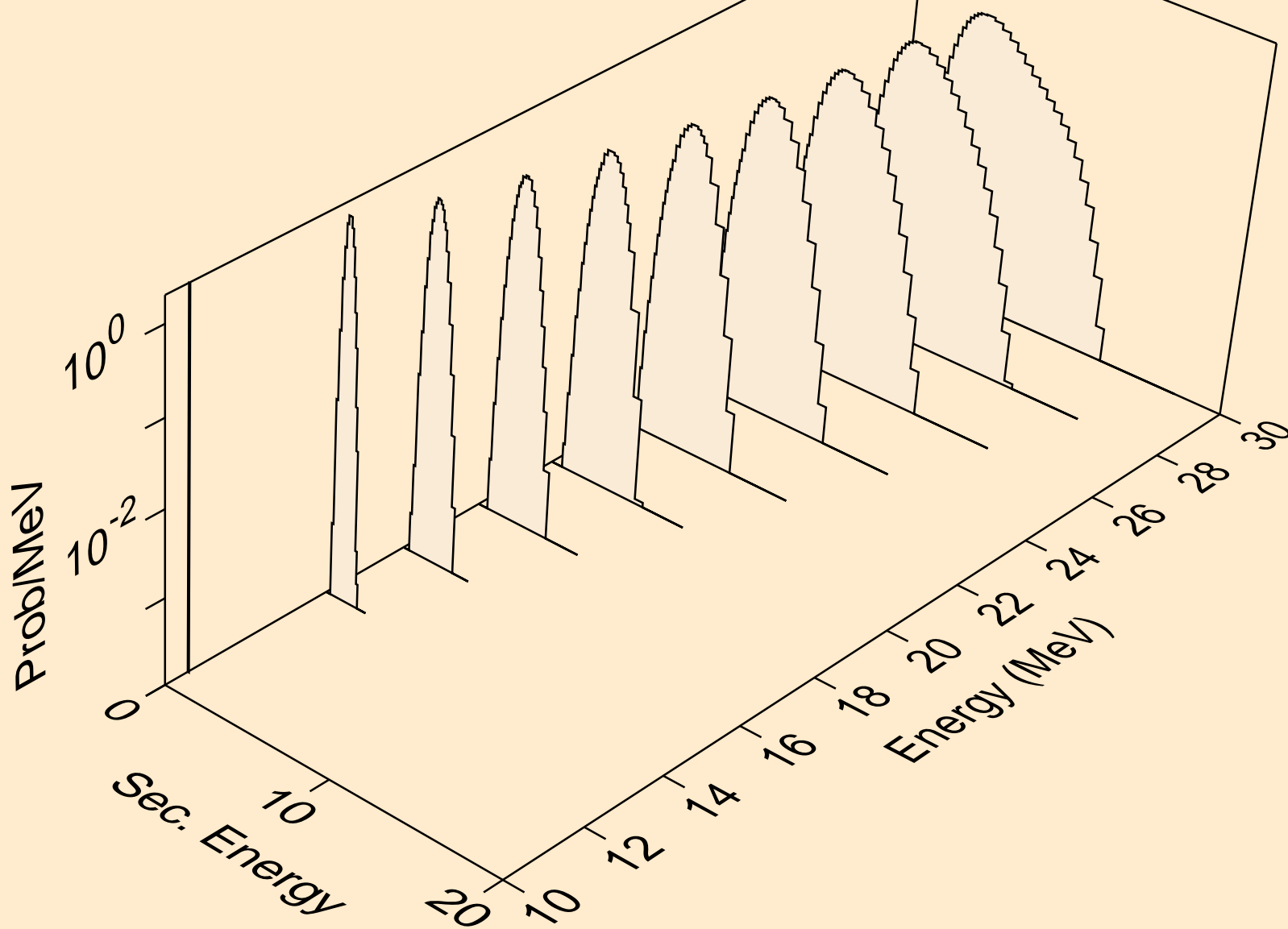




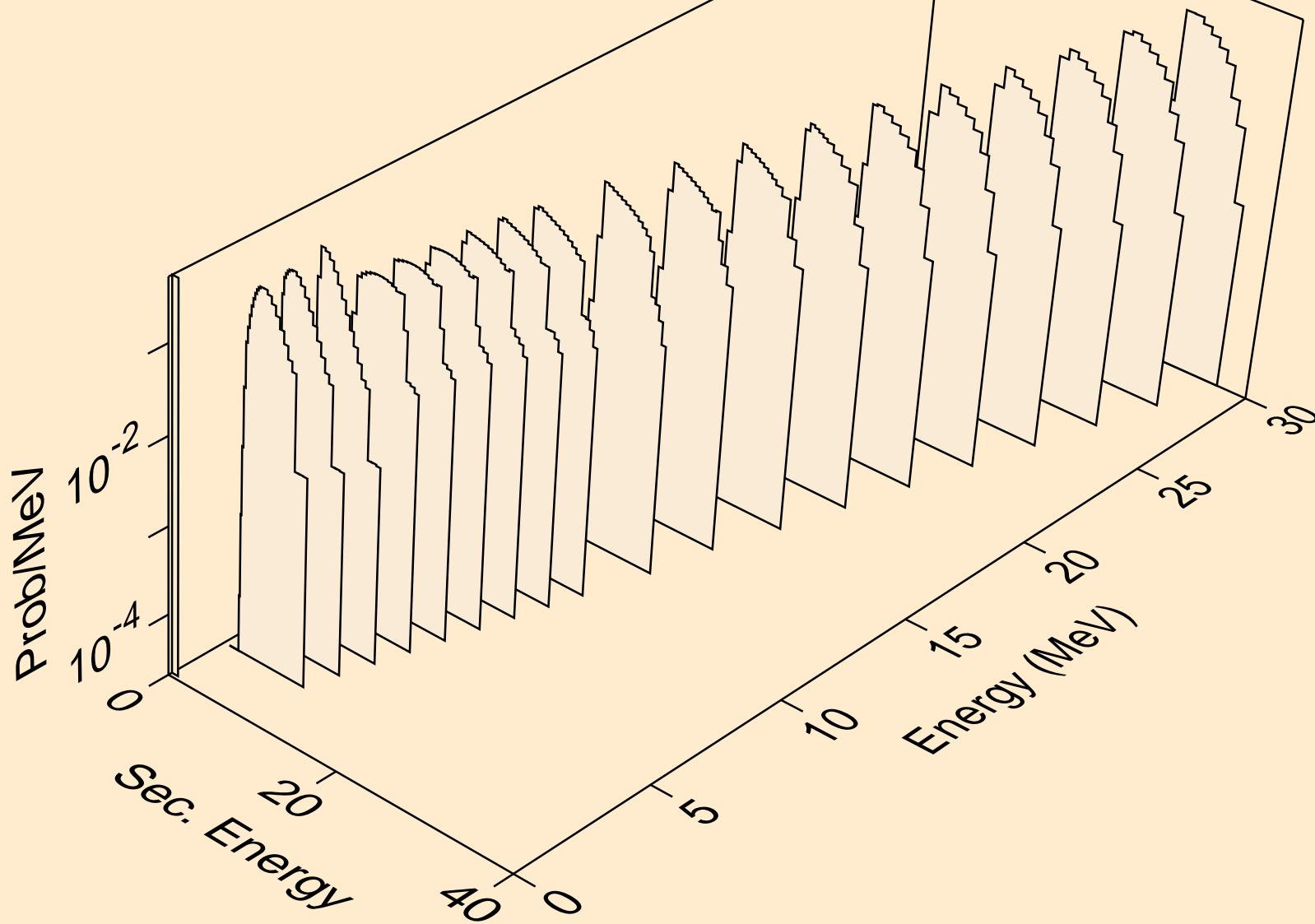
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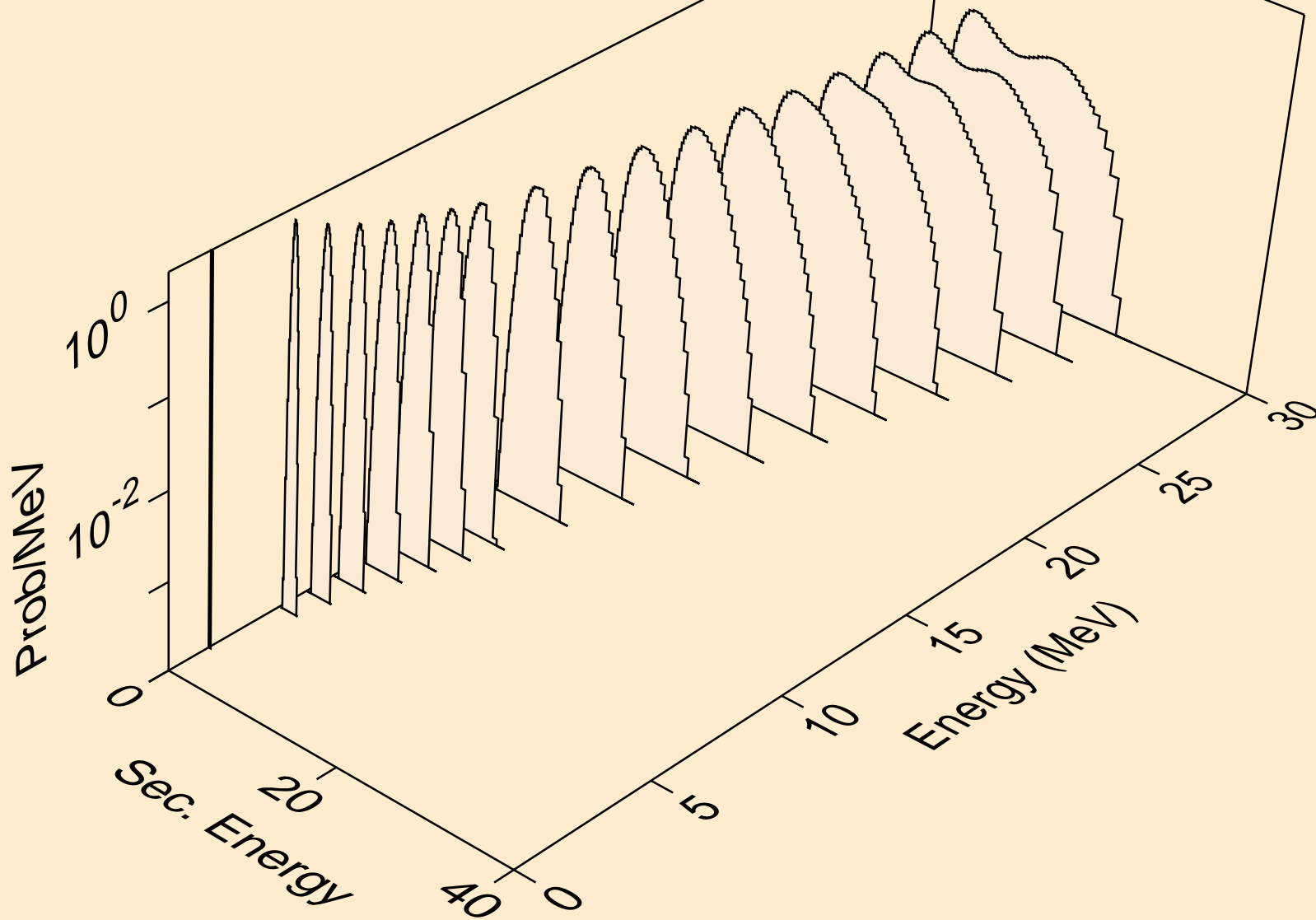
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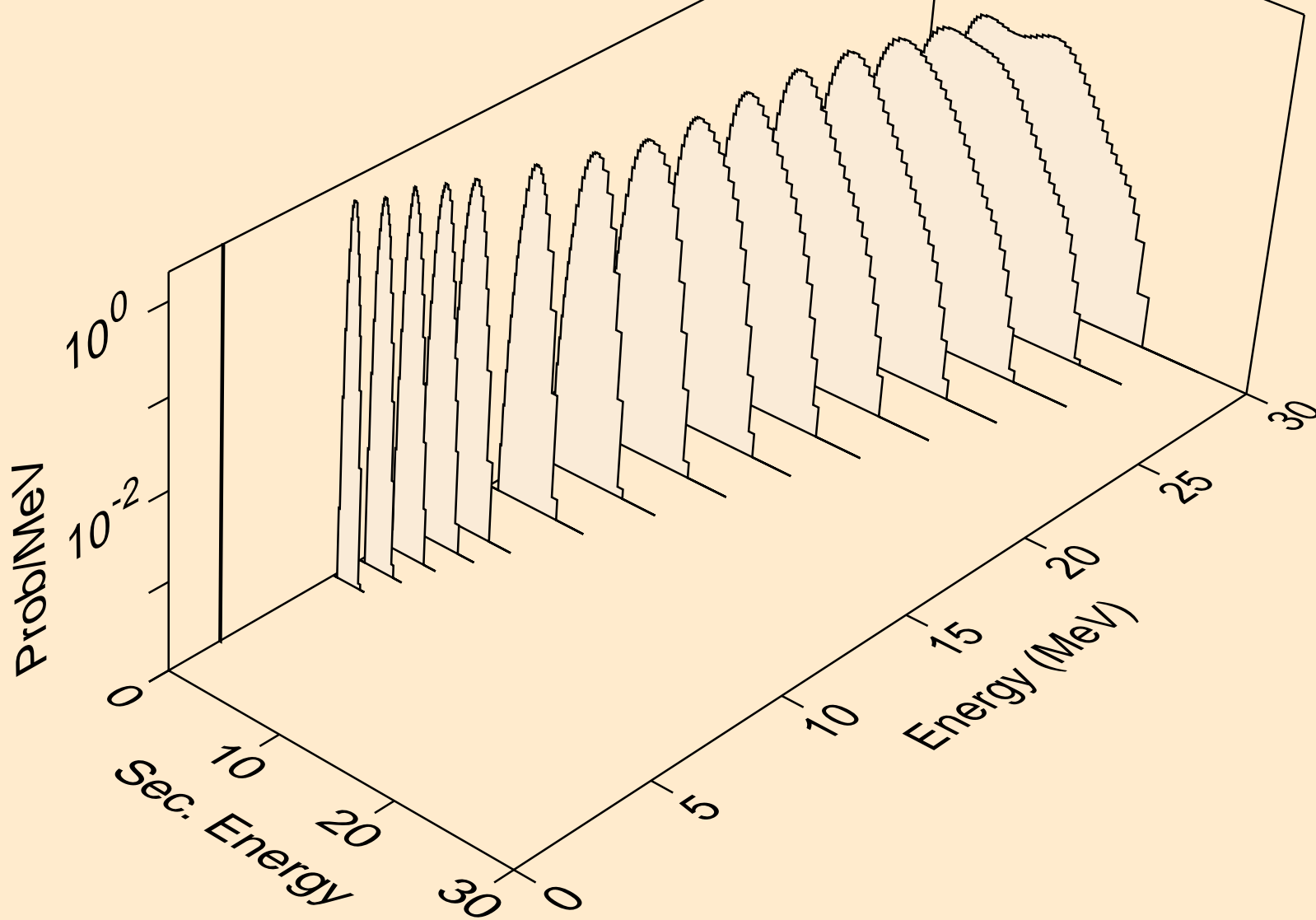
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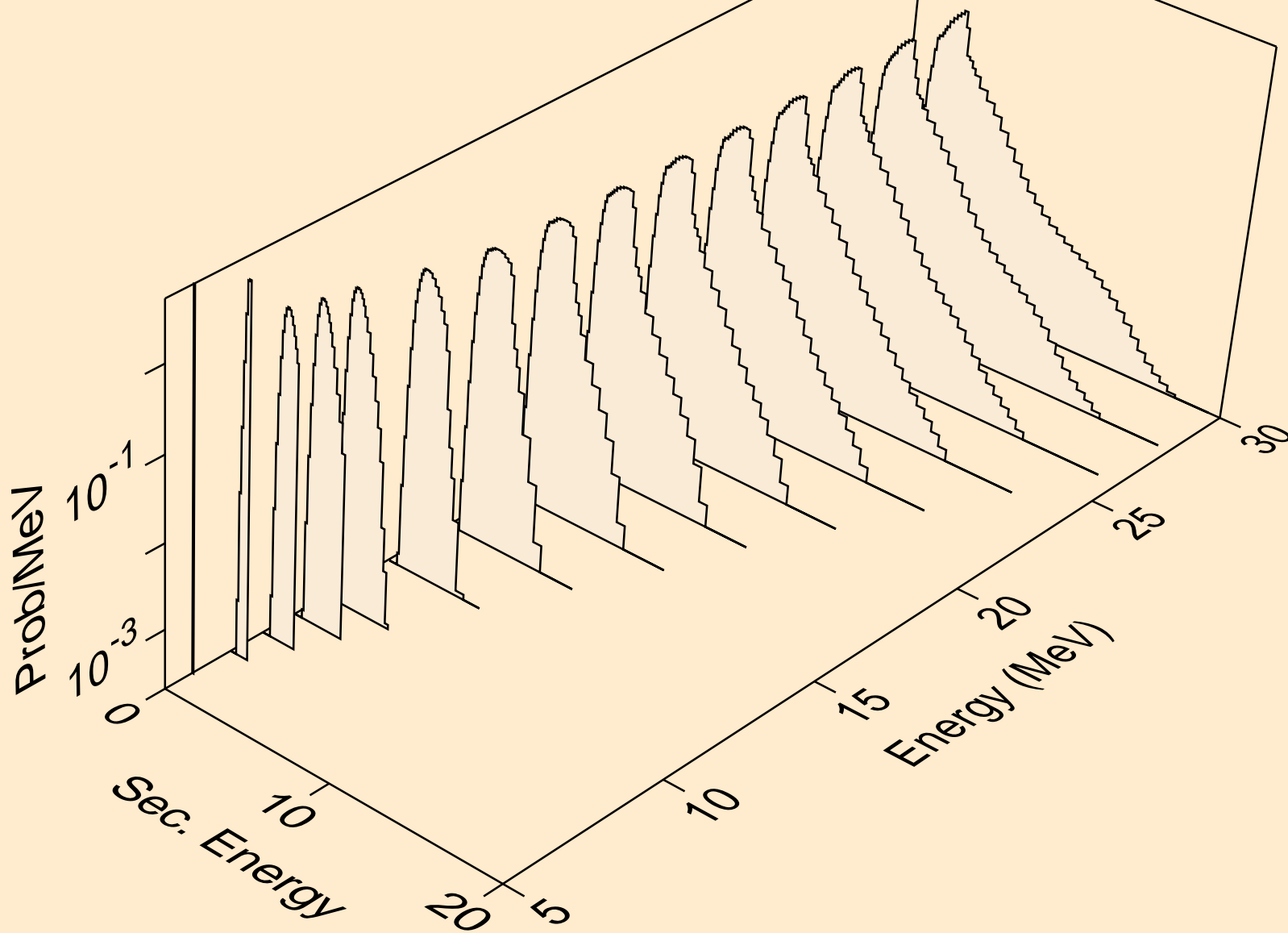
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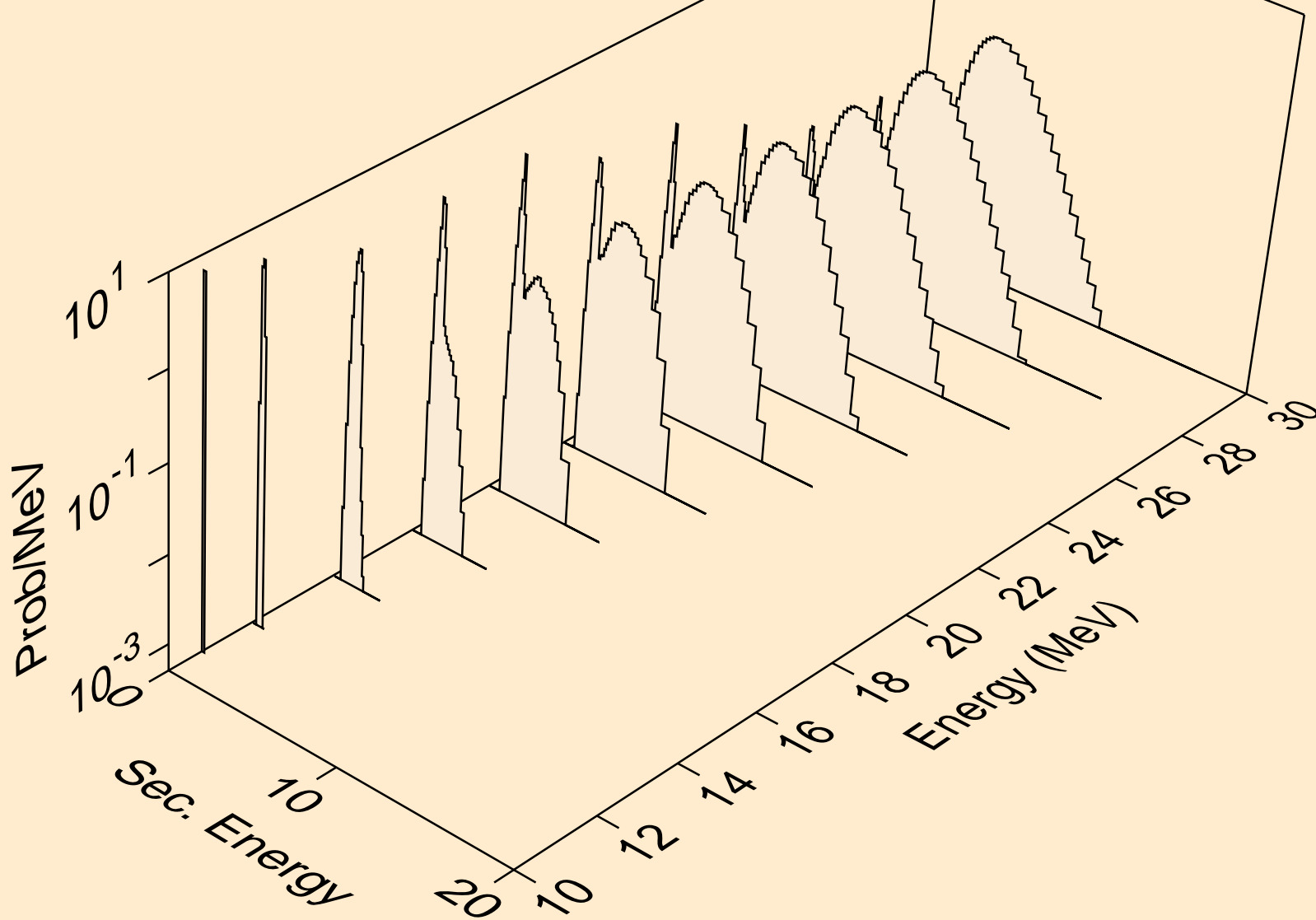
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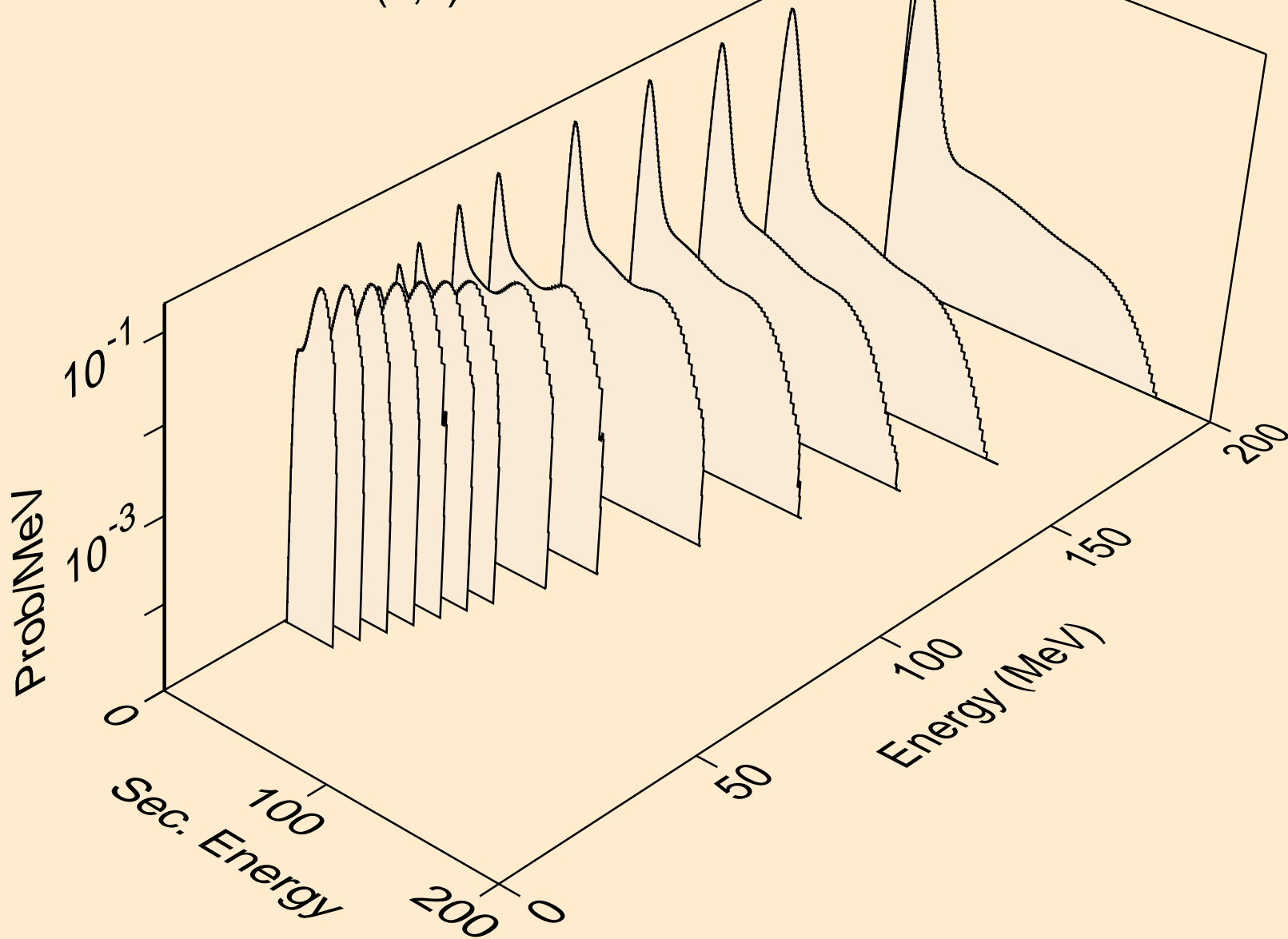
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protons from (s,pd)



TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pt)

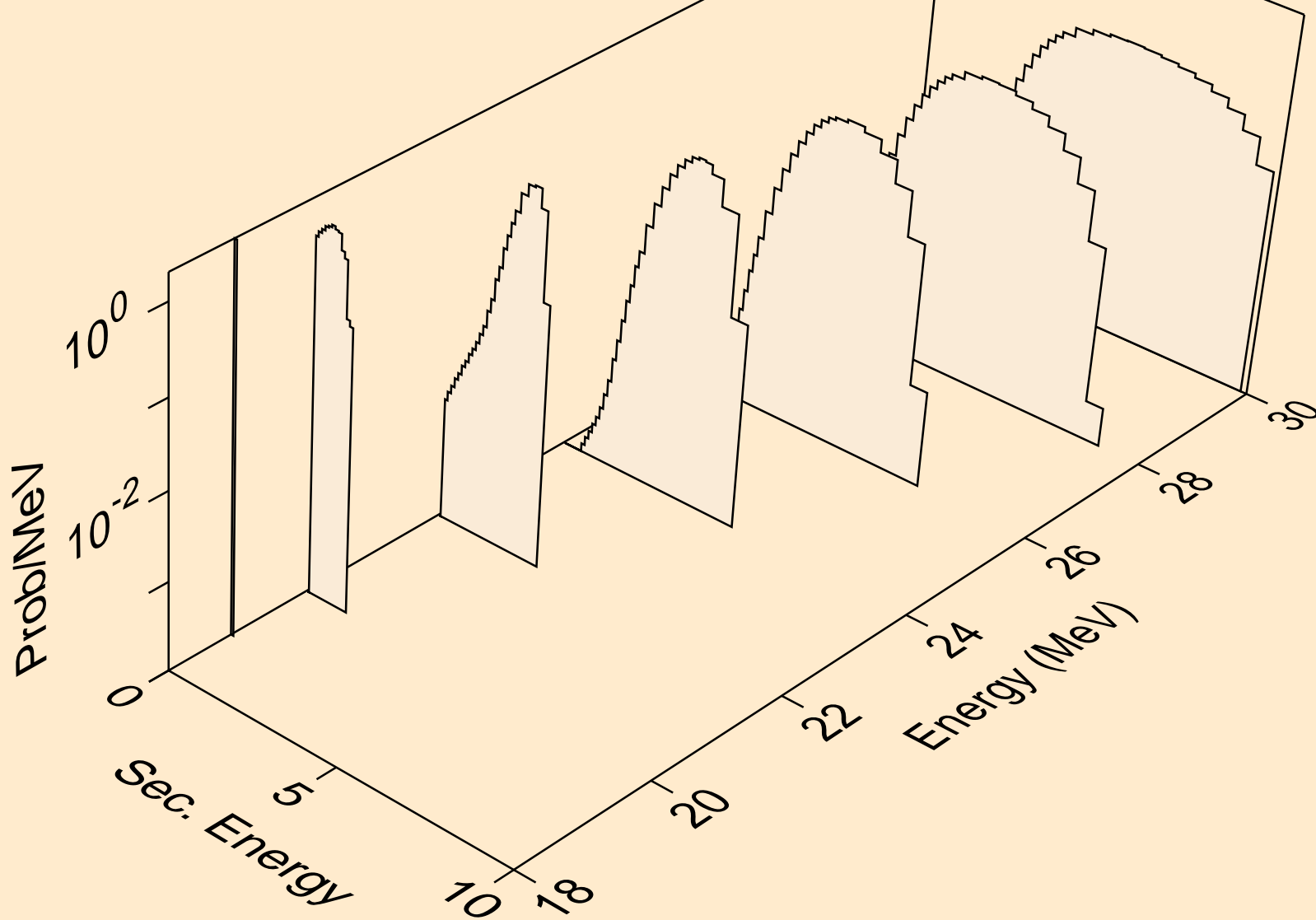


TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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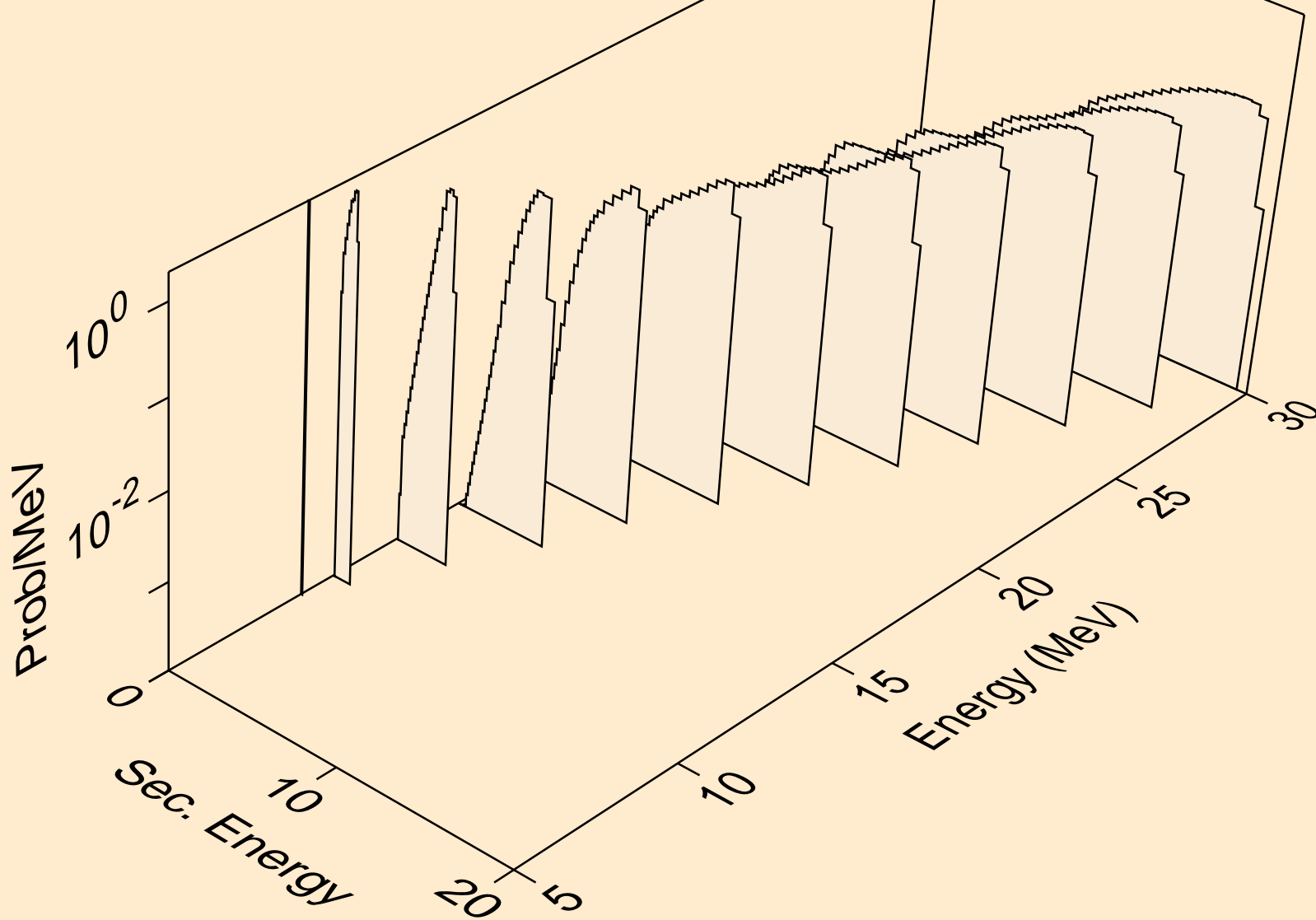




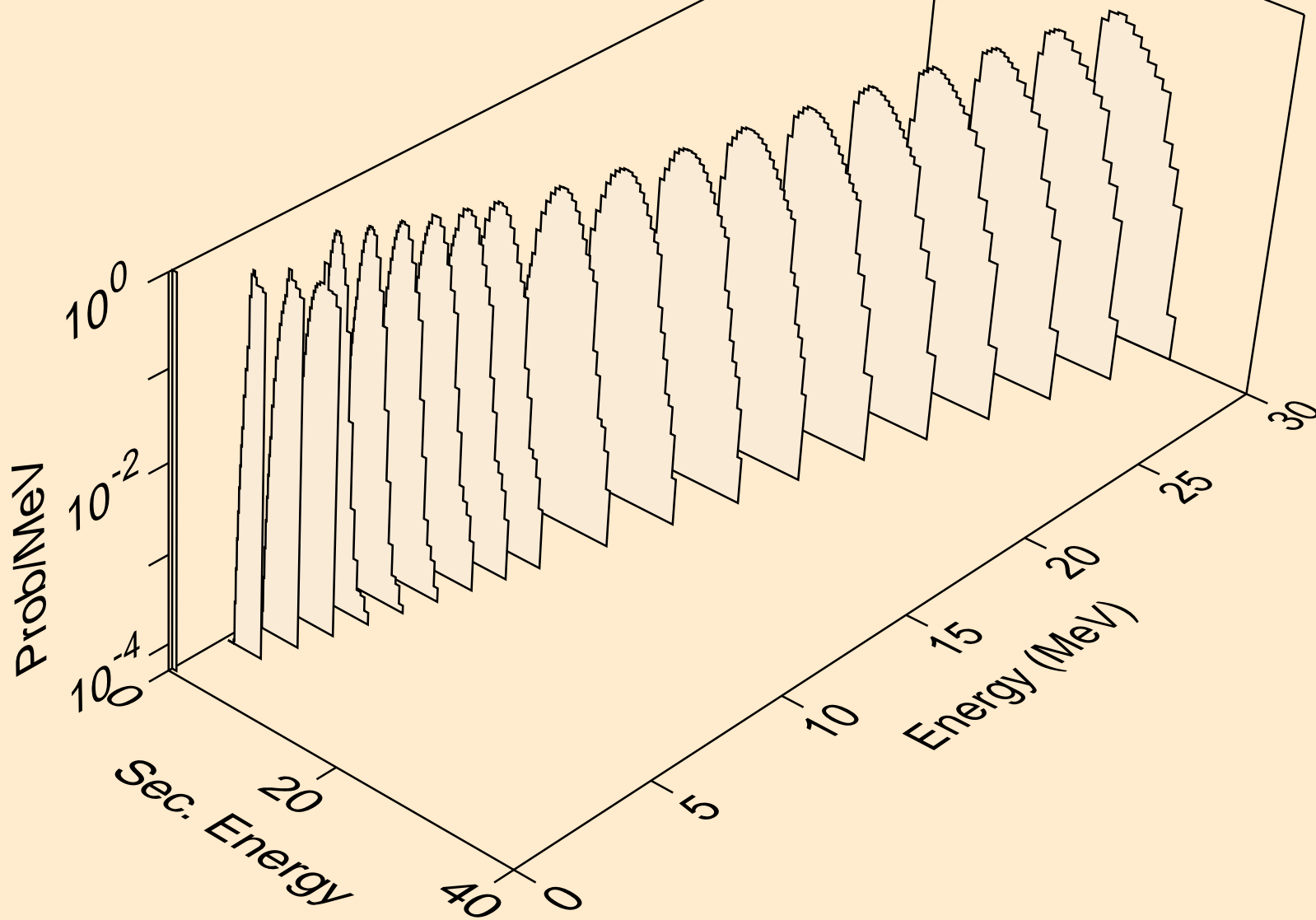
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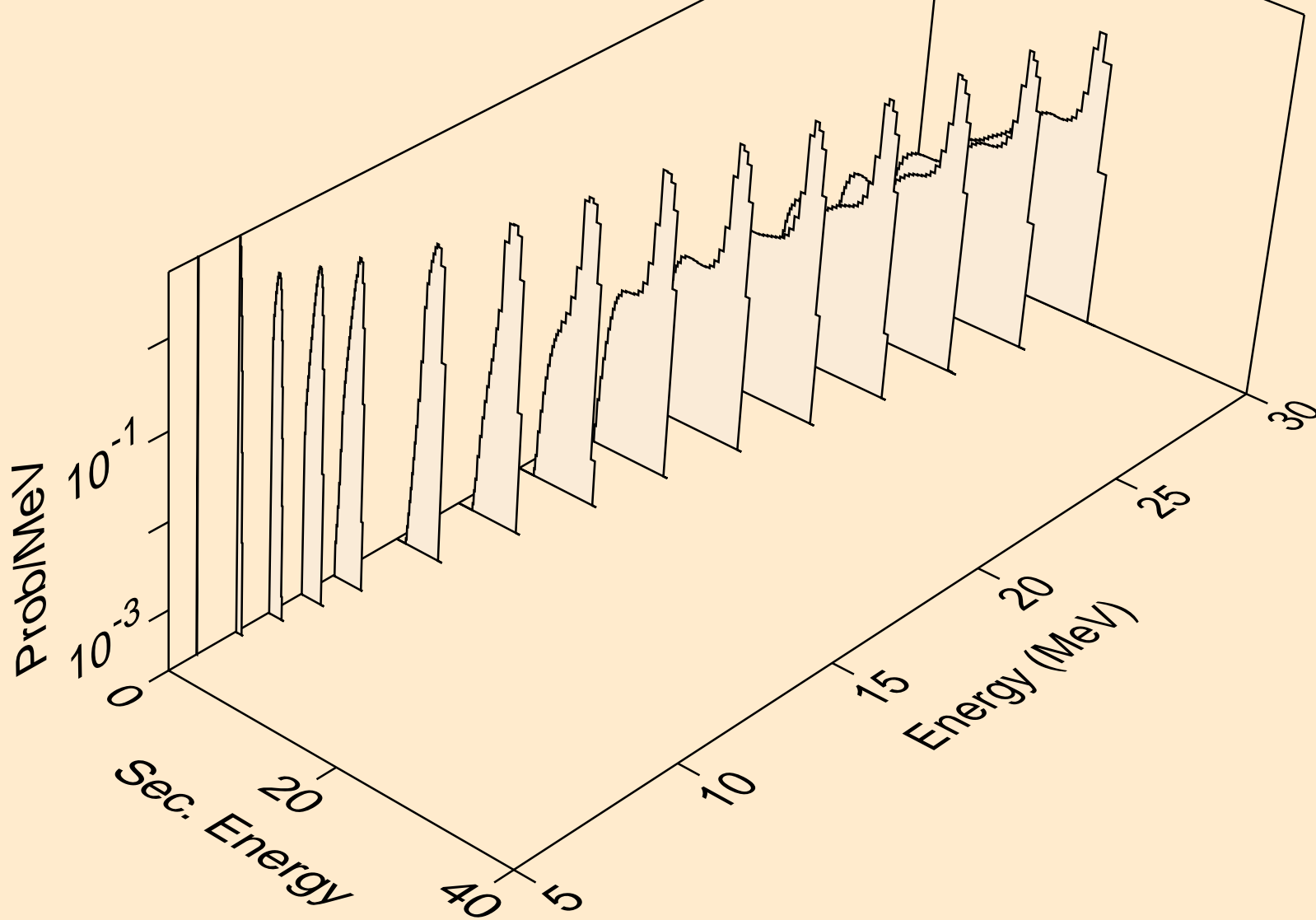
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deuterons from (s,n\*)d



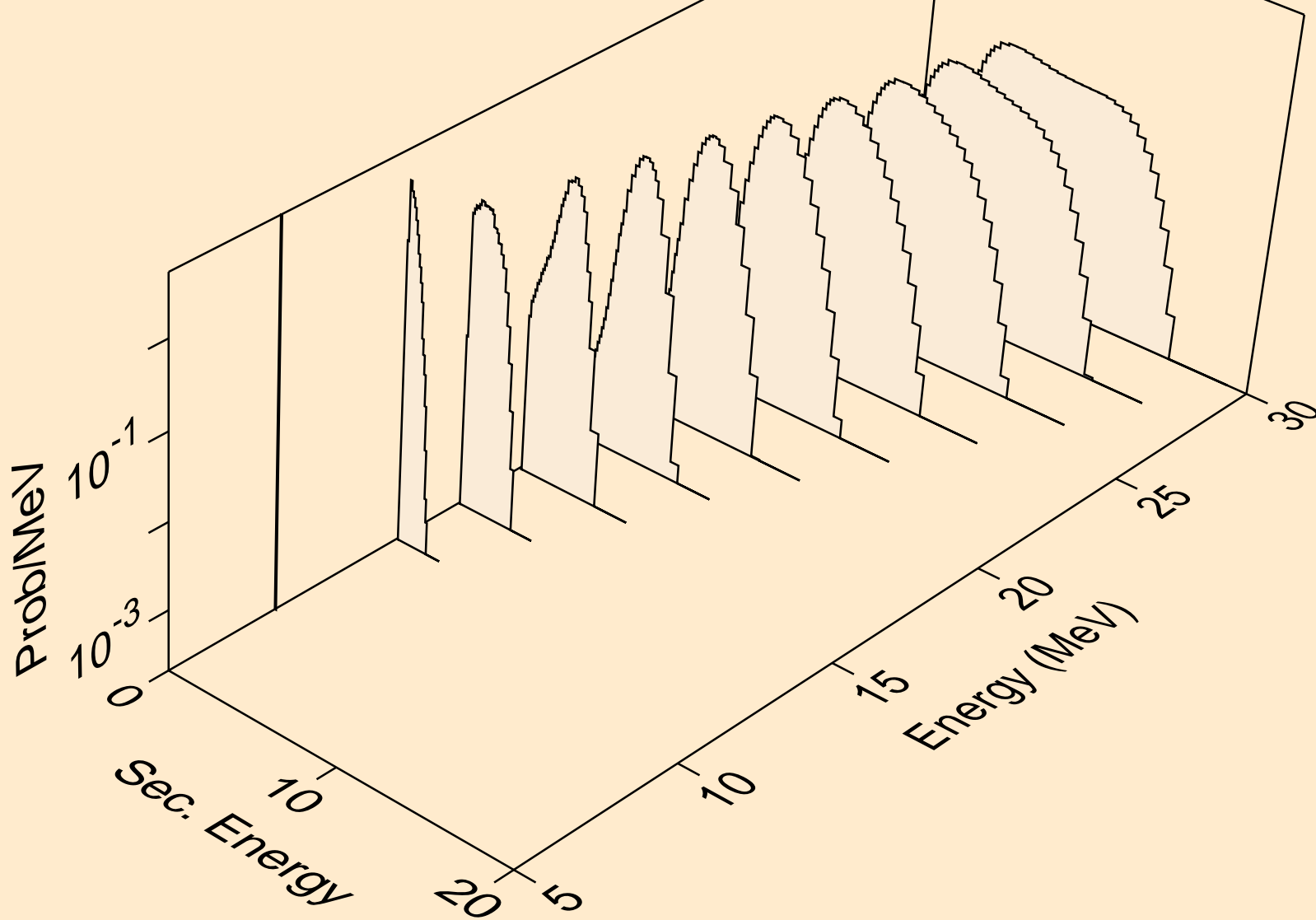
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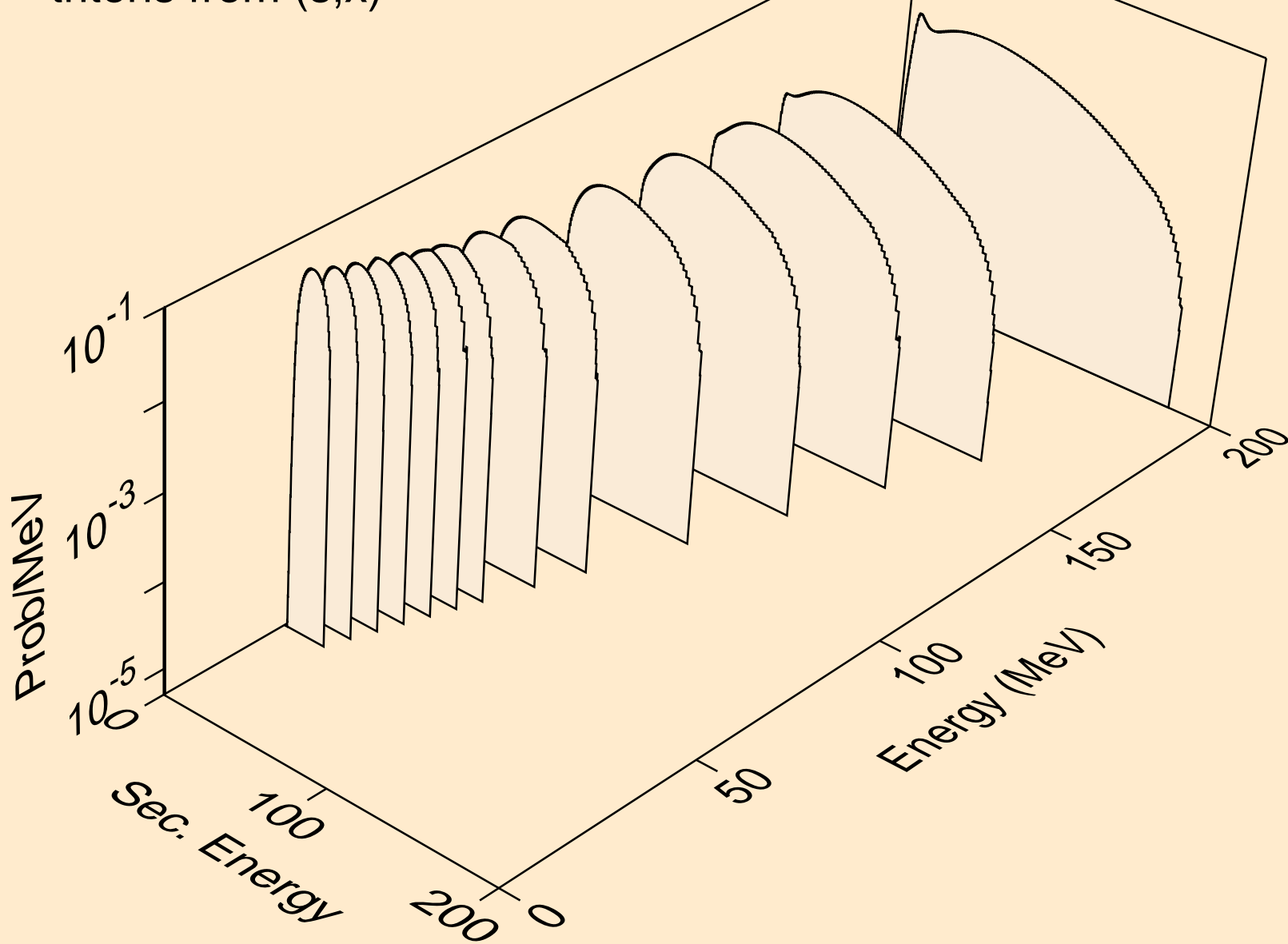
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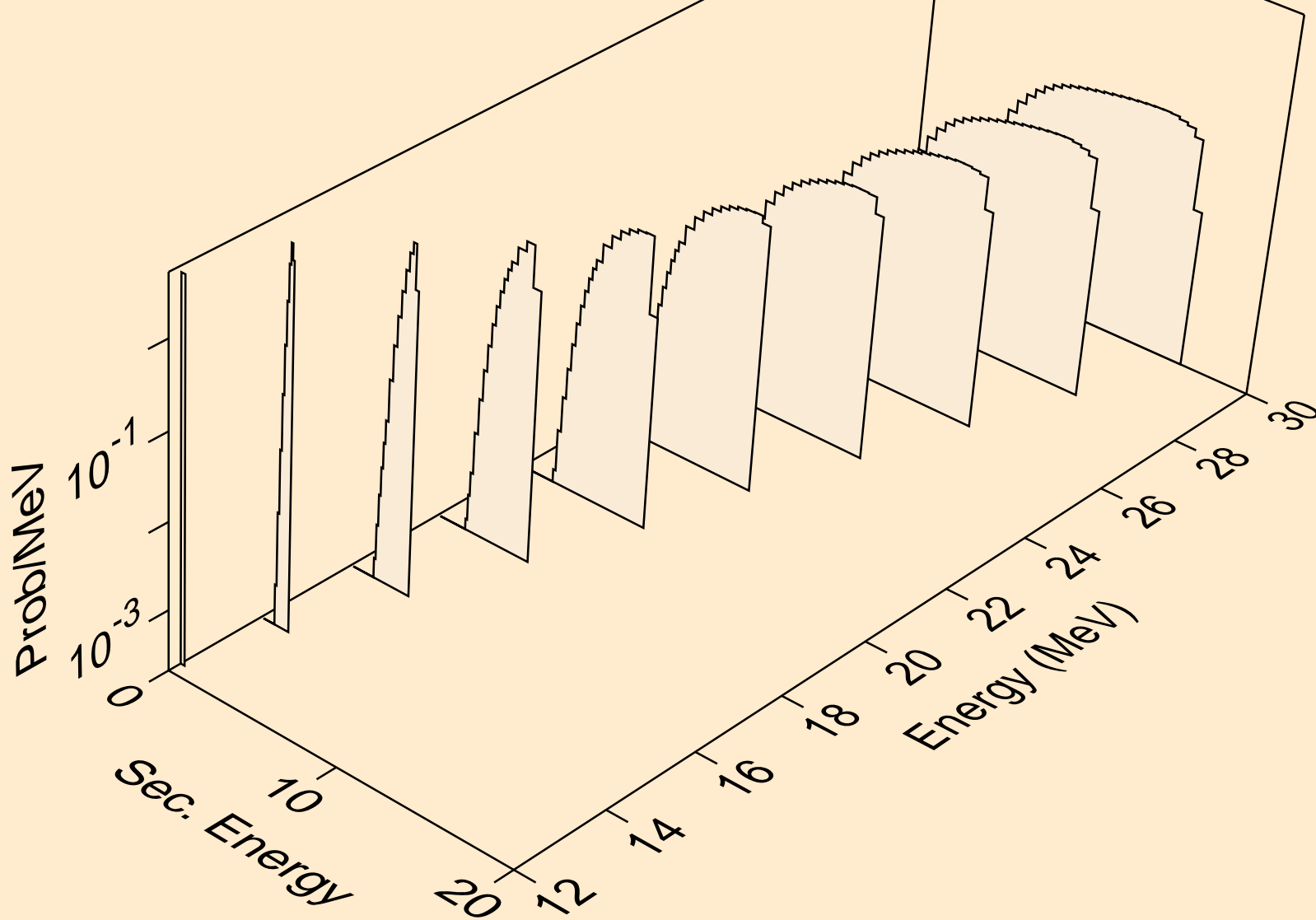
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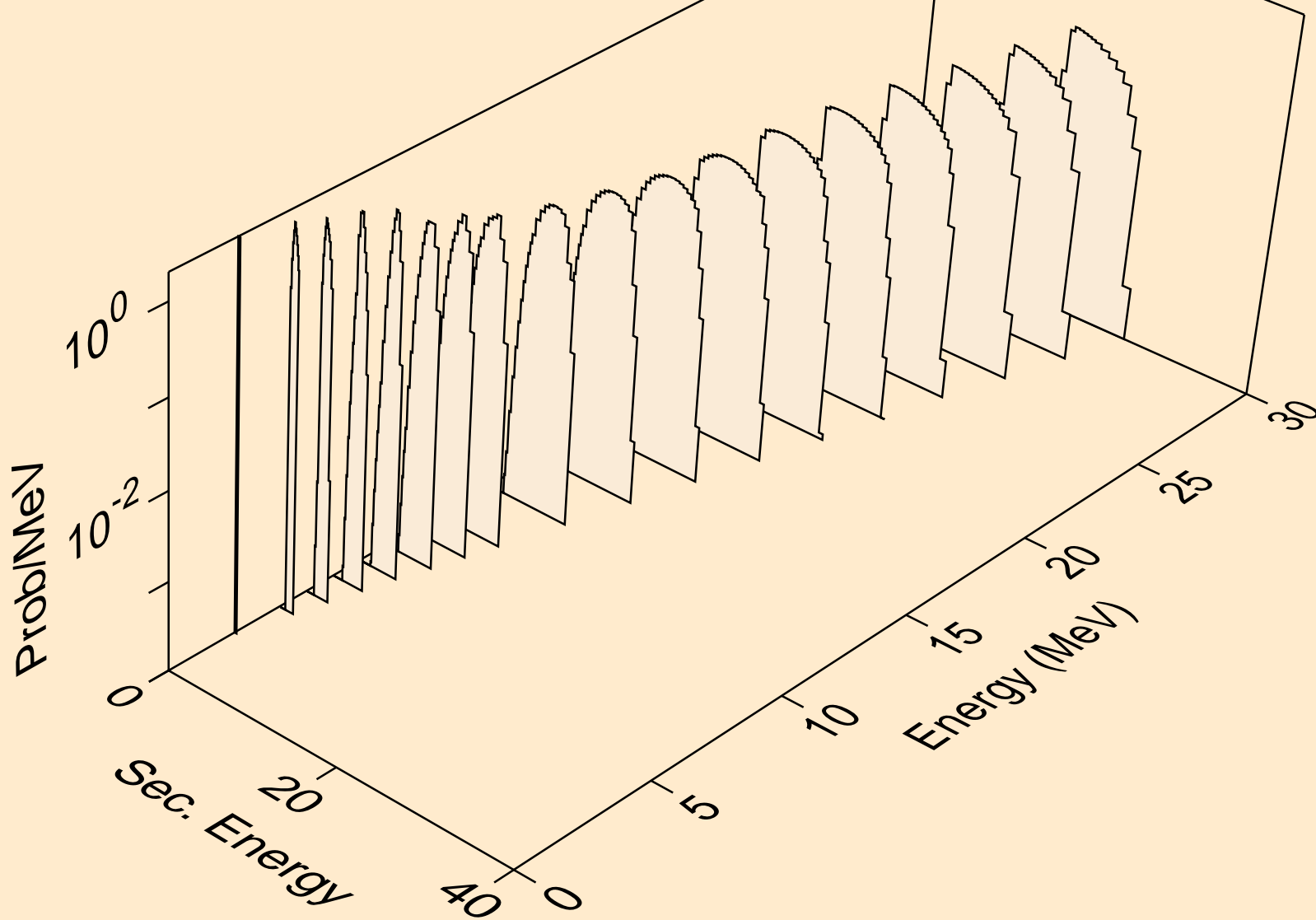
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tritons from (s,x)



TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,n\*)t

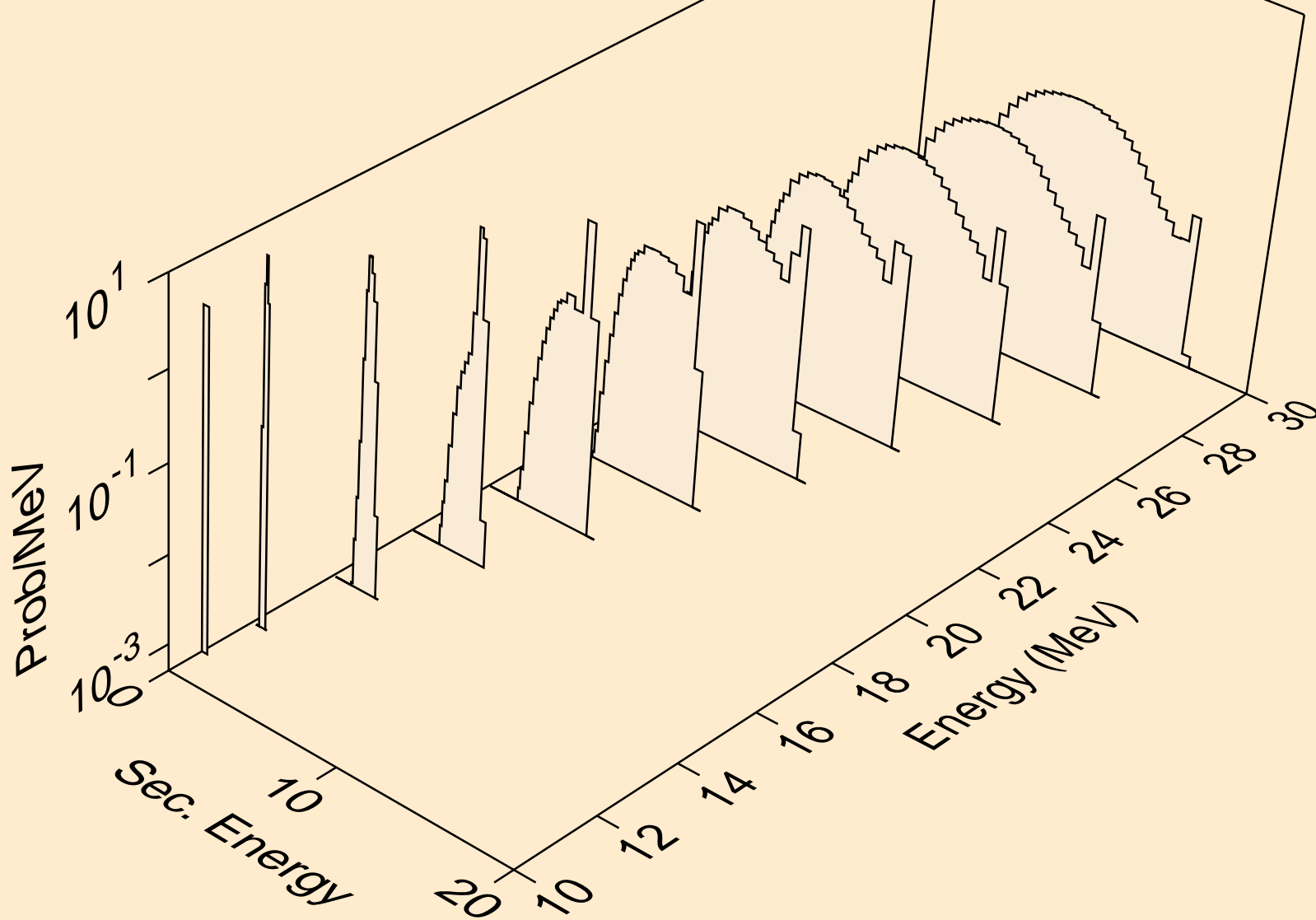


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tritons from (s,t)

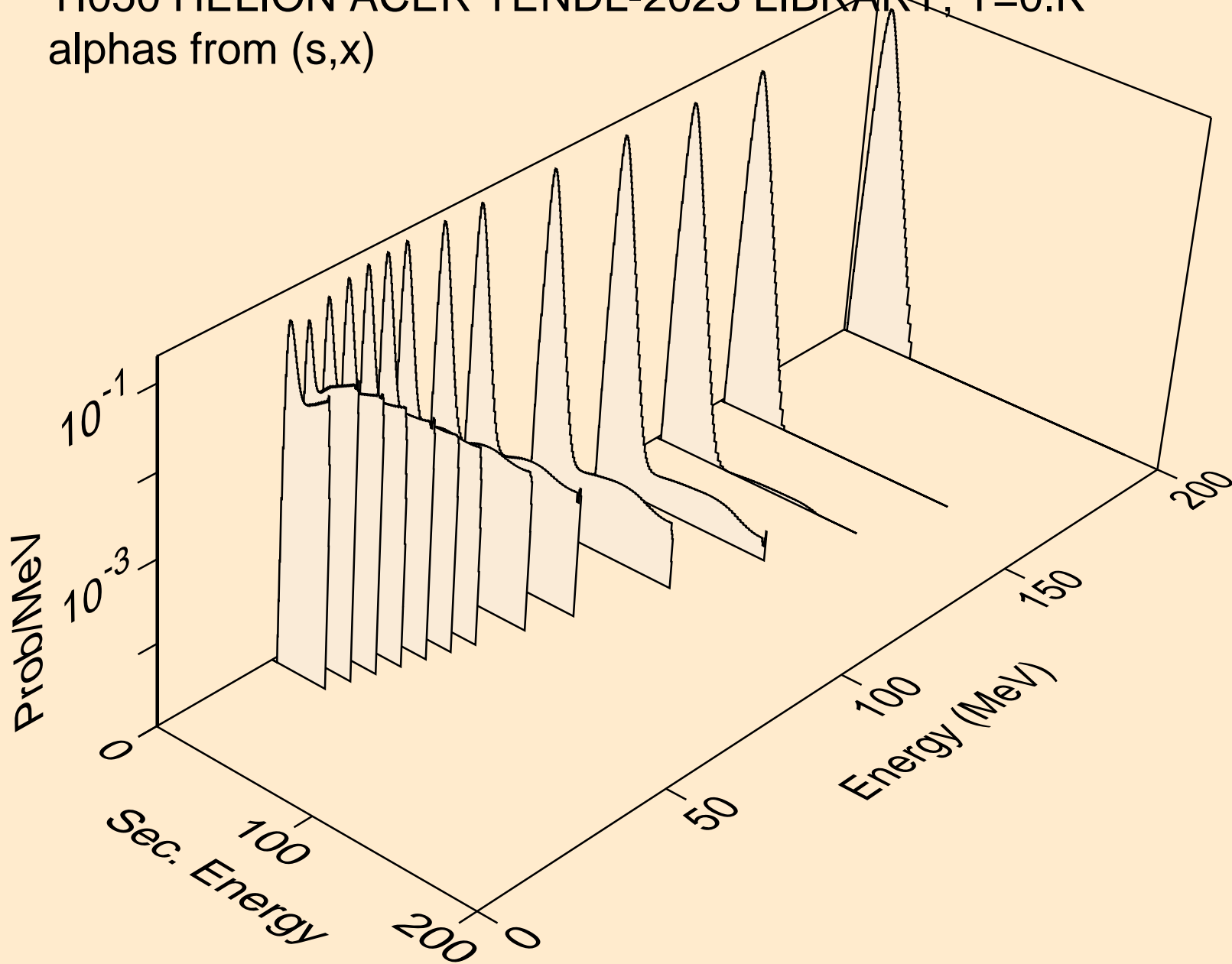




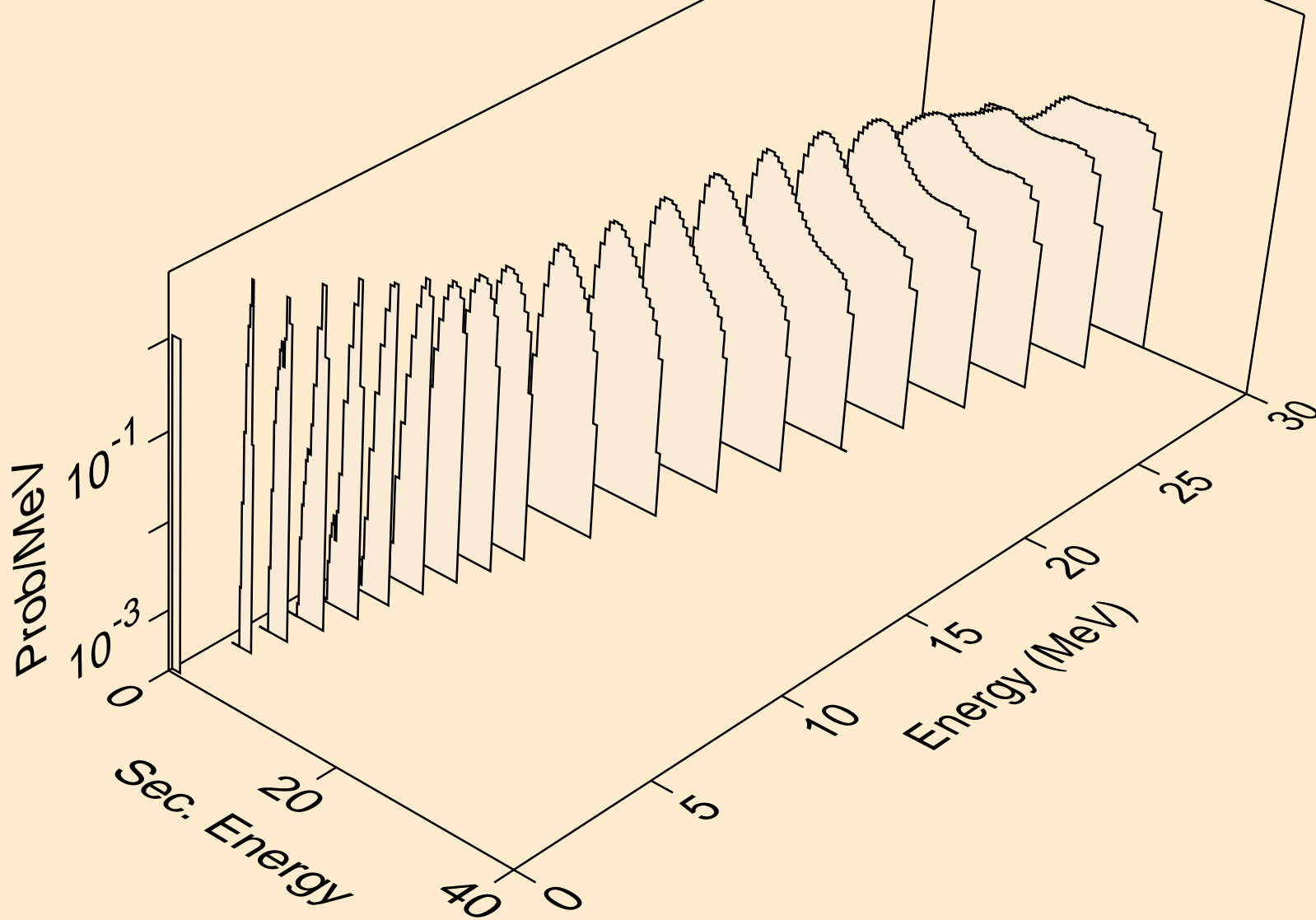
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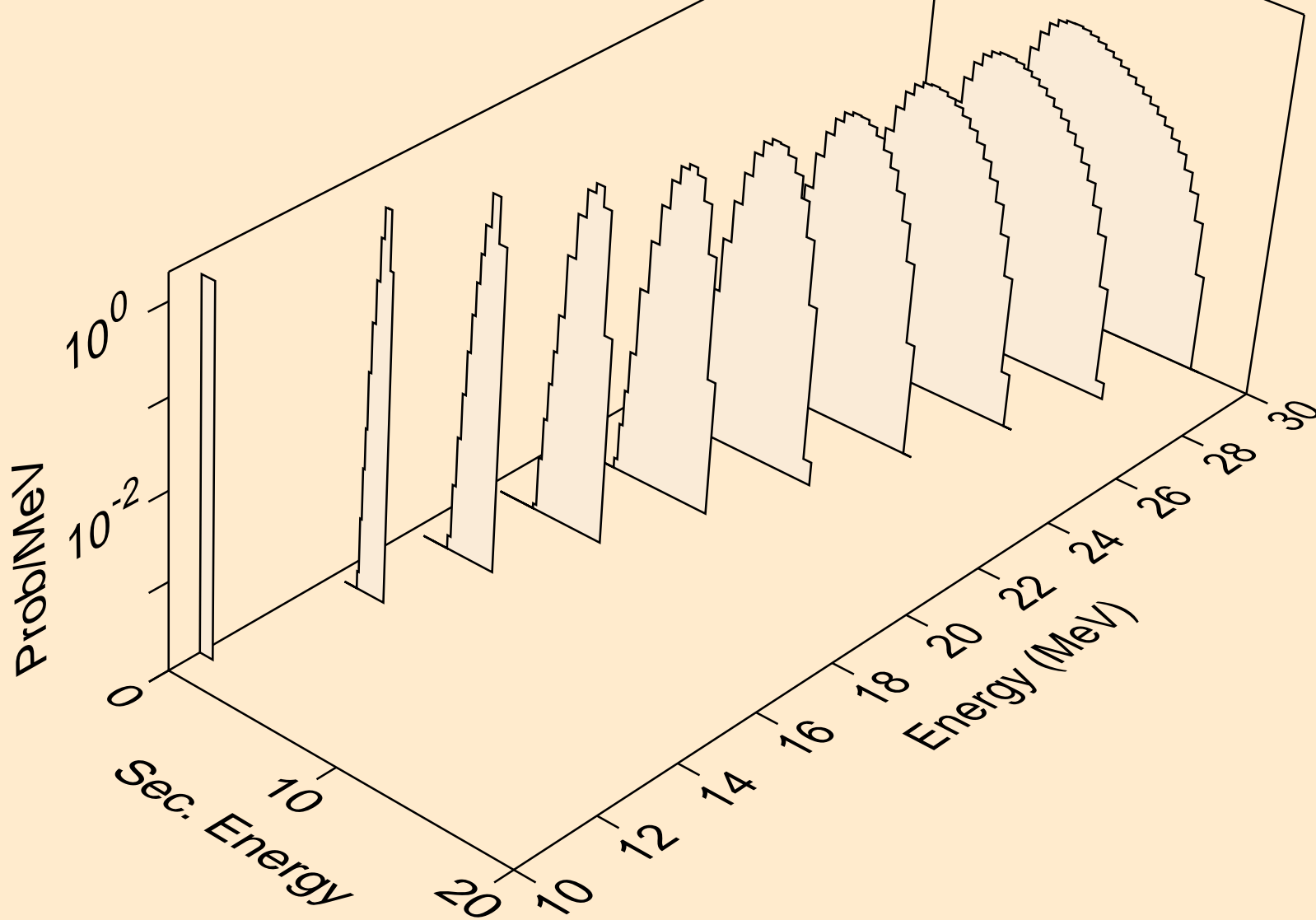
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alphas from (s,x)



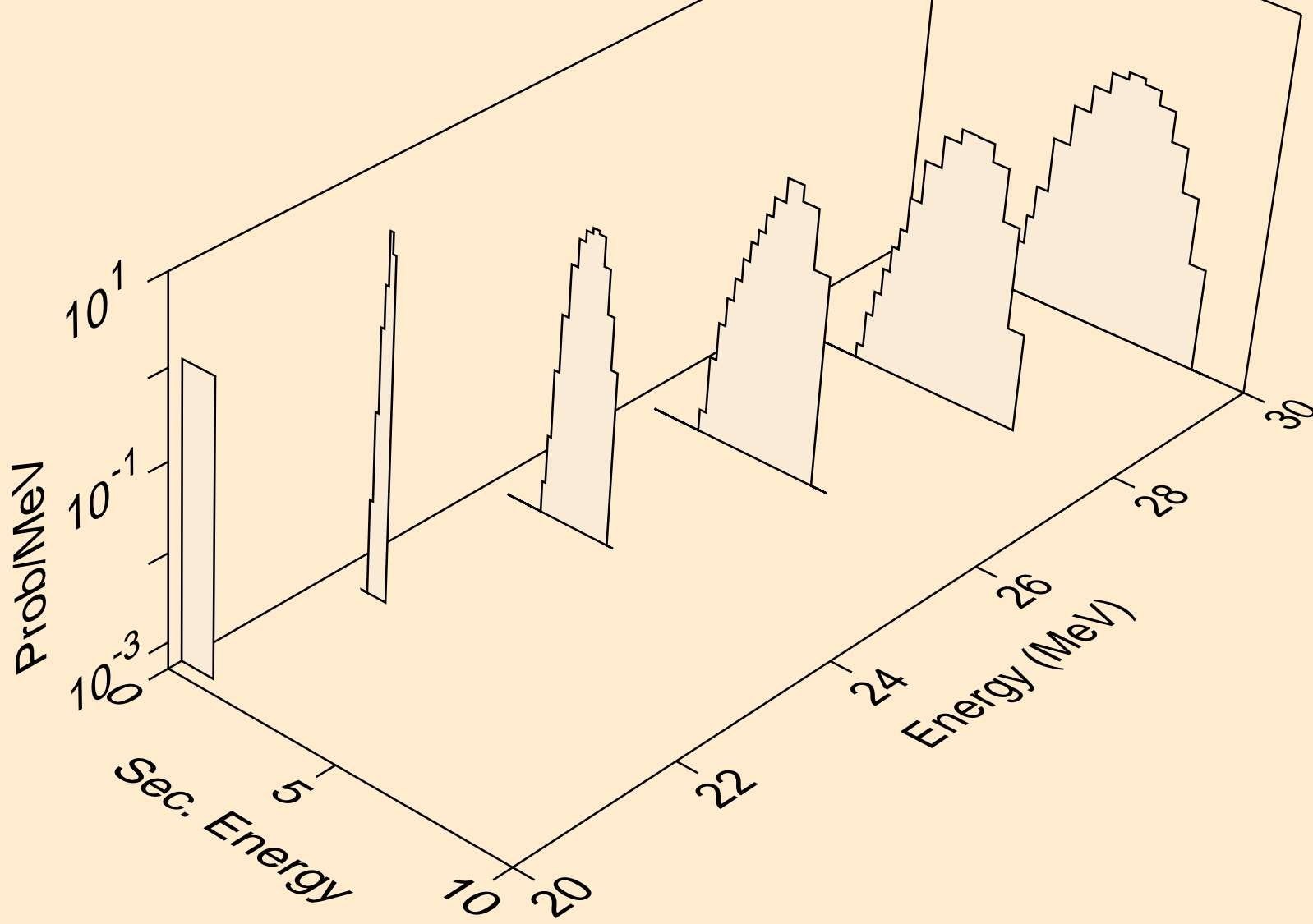
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alphas from (s,n\*)a



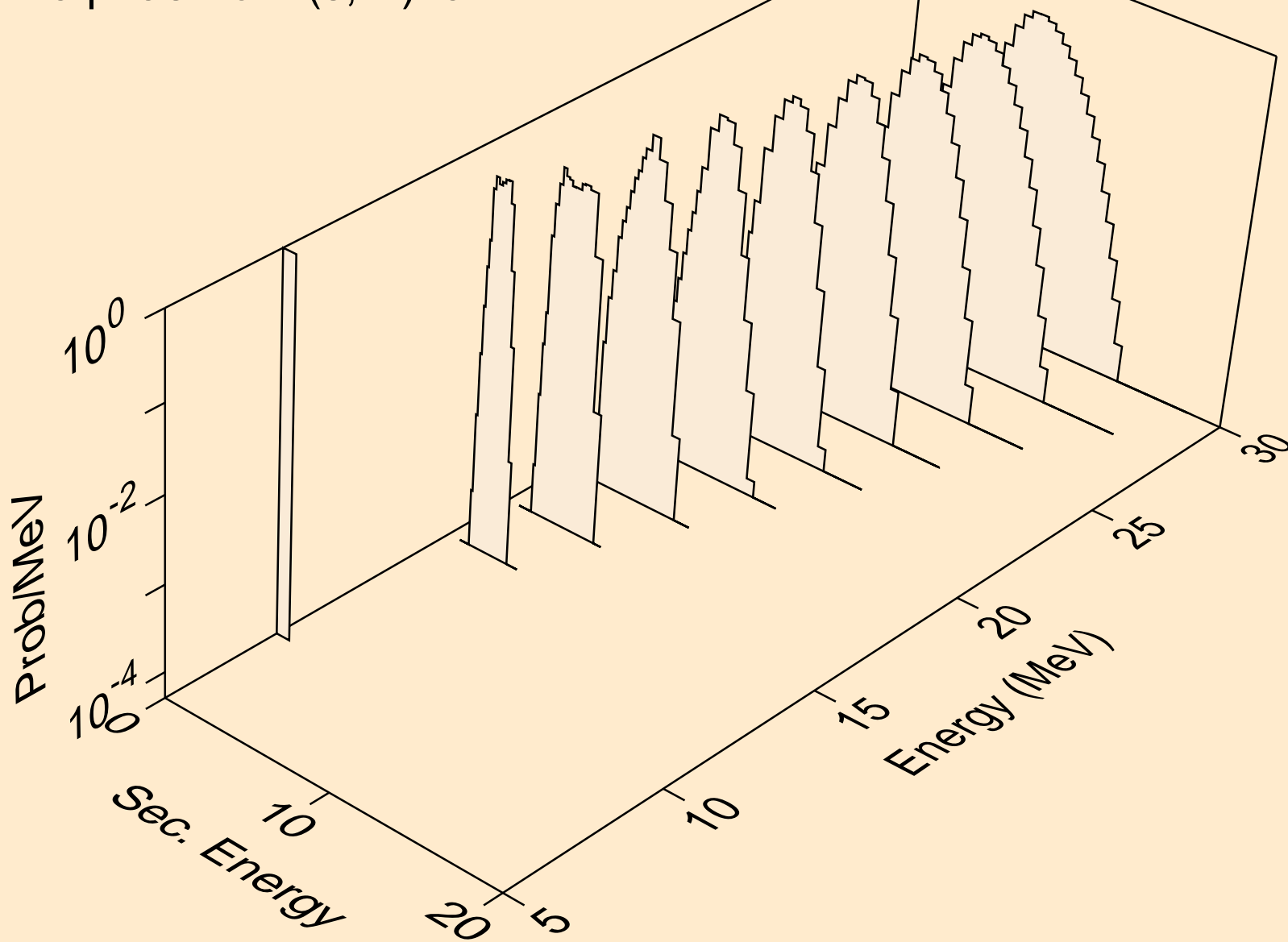
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alphas from (s,2n)a



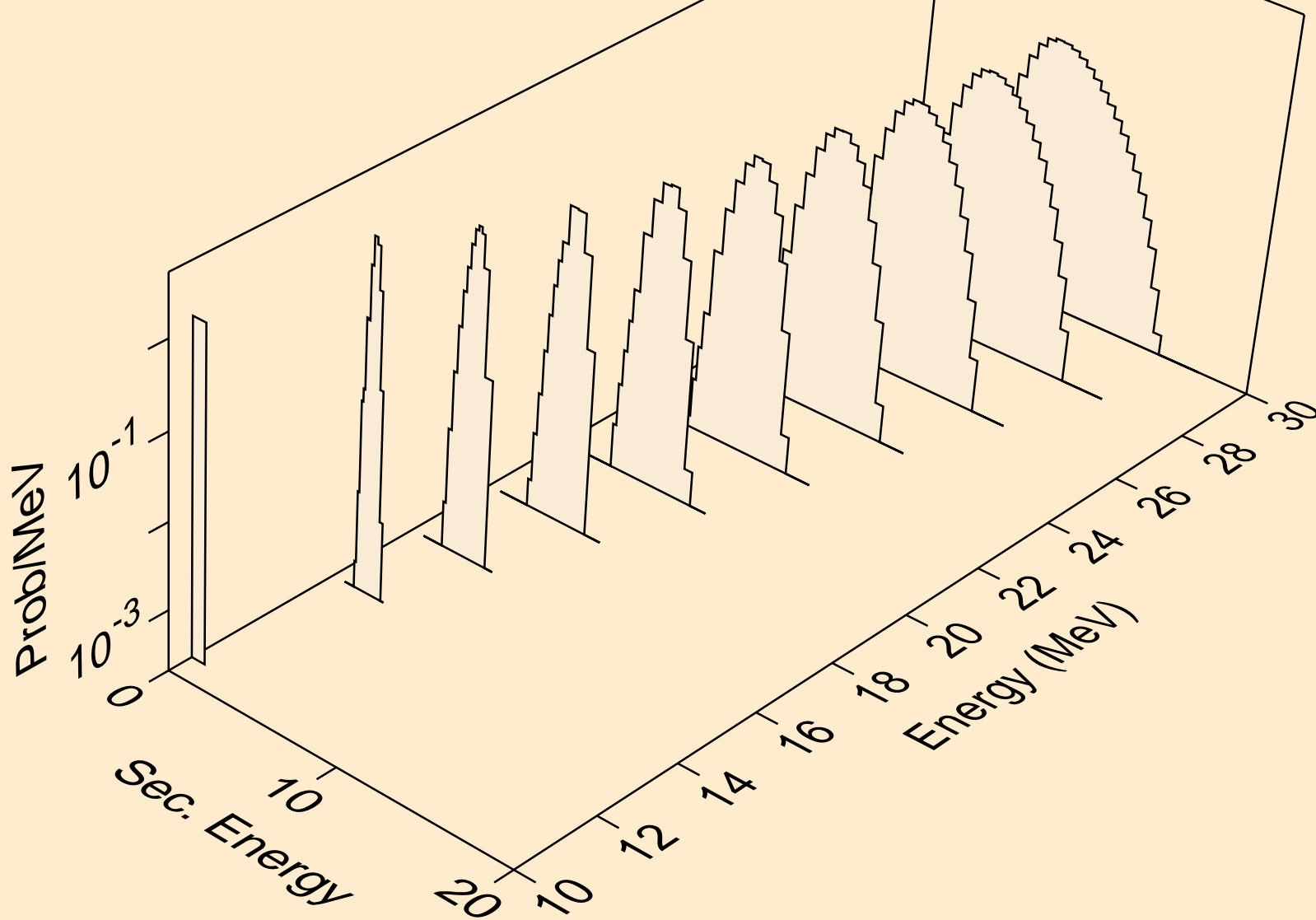
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alphas from (s,3n)a



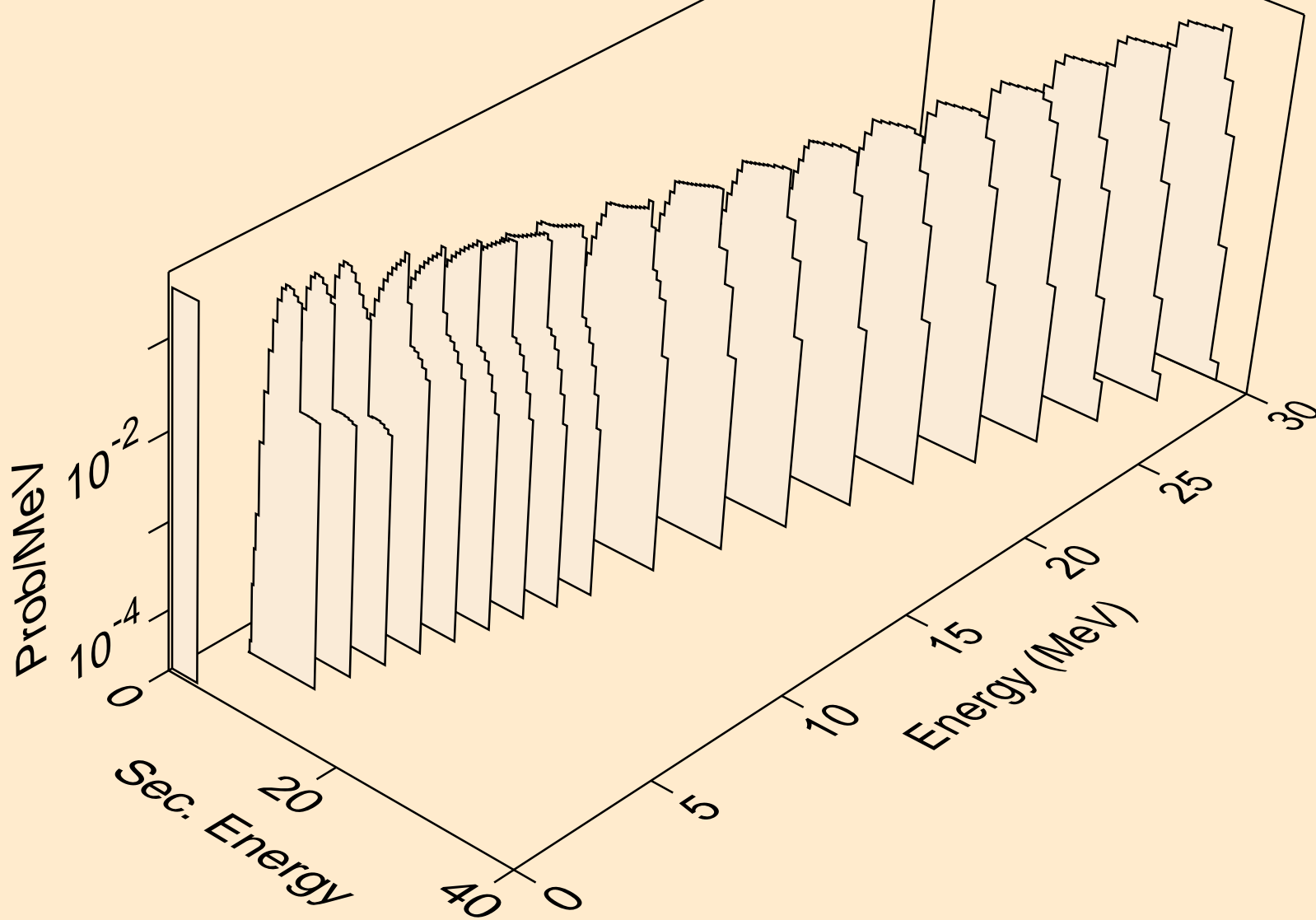
TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)2a



TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,npa)

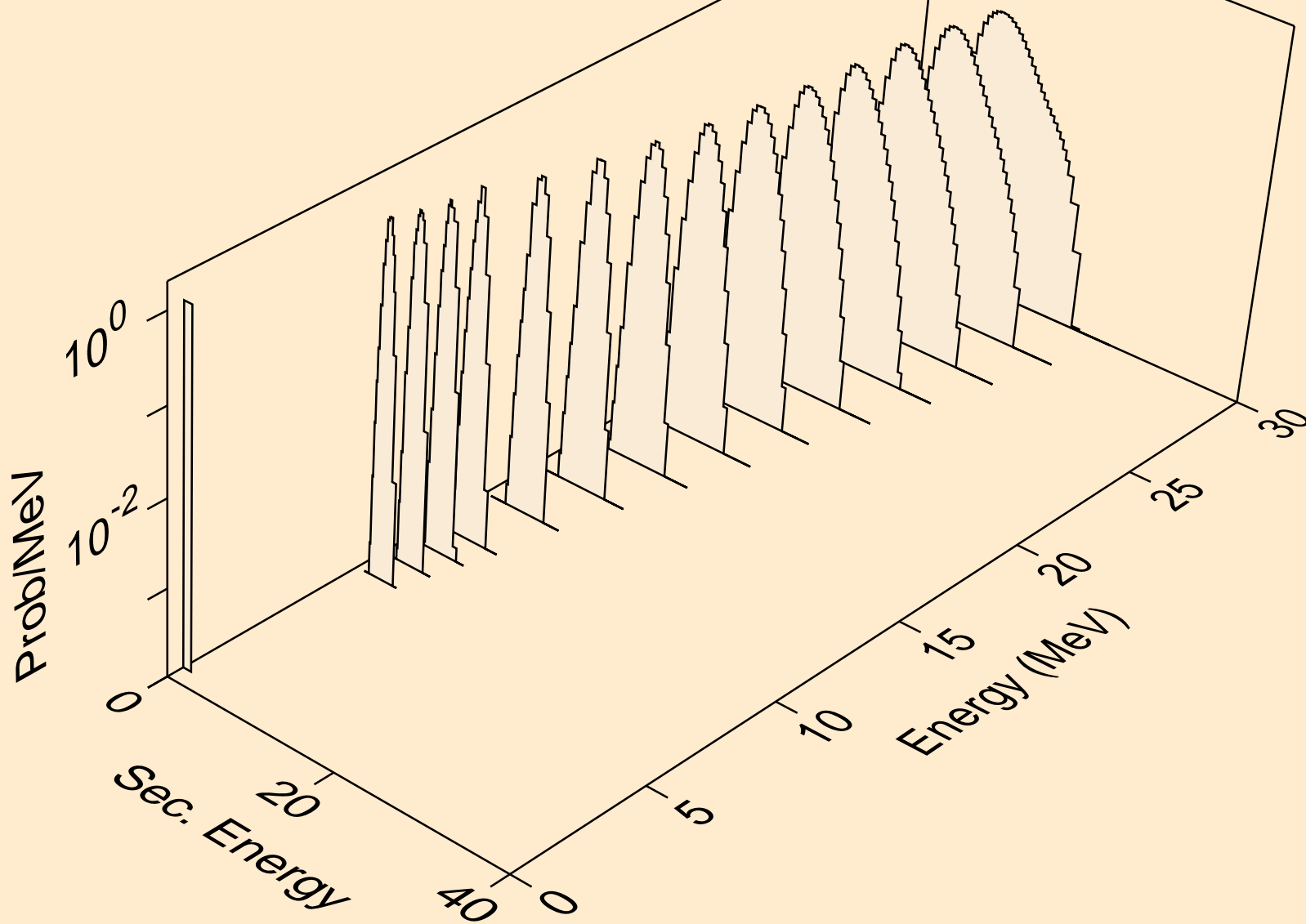


TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,a)

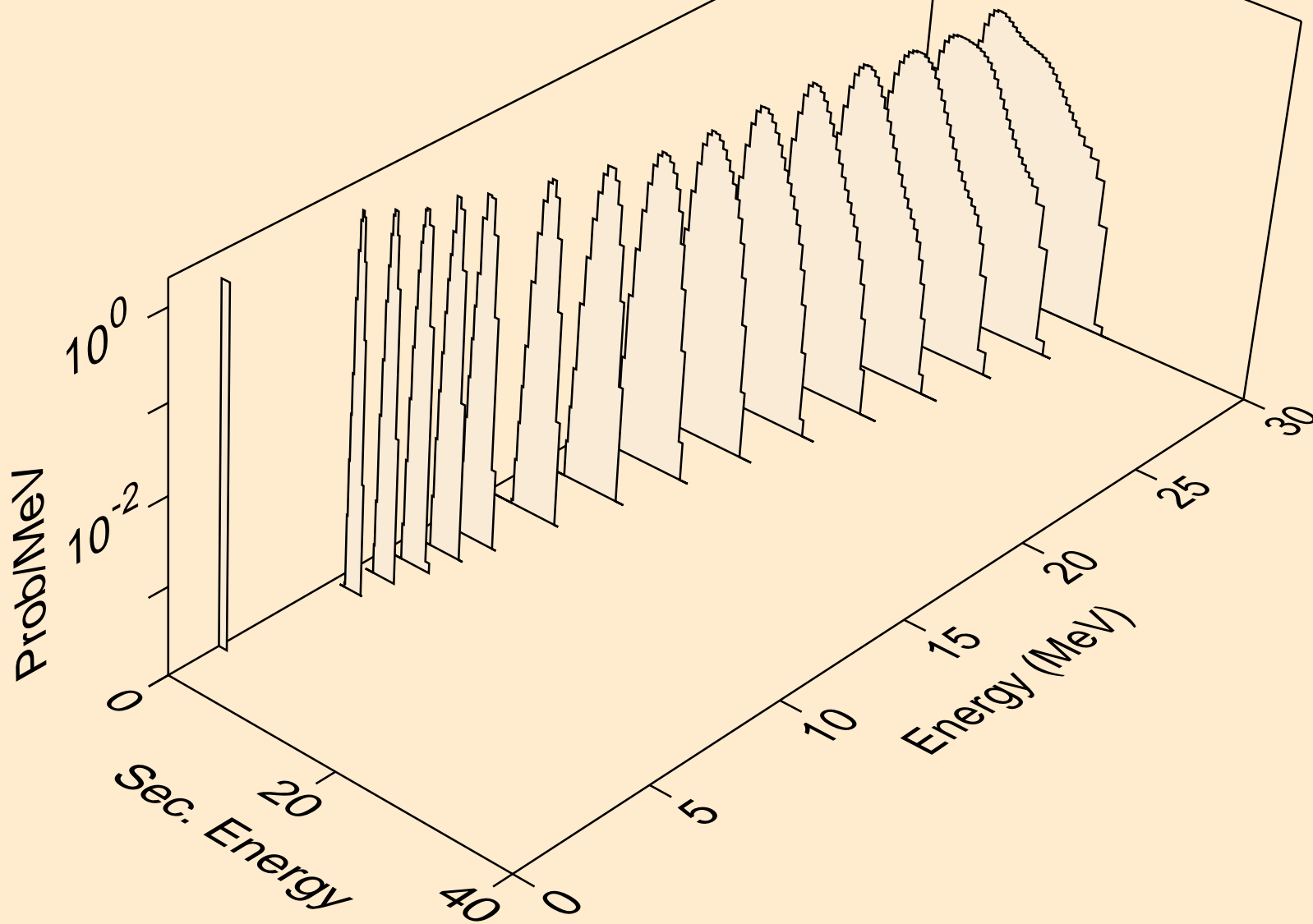




TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2a)



TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



TI050 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

