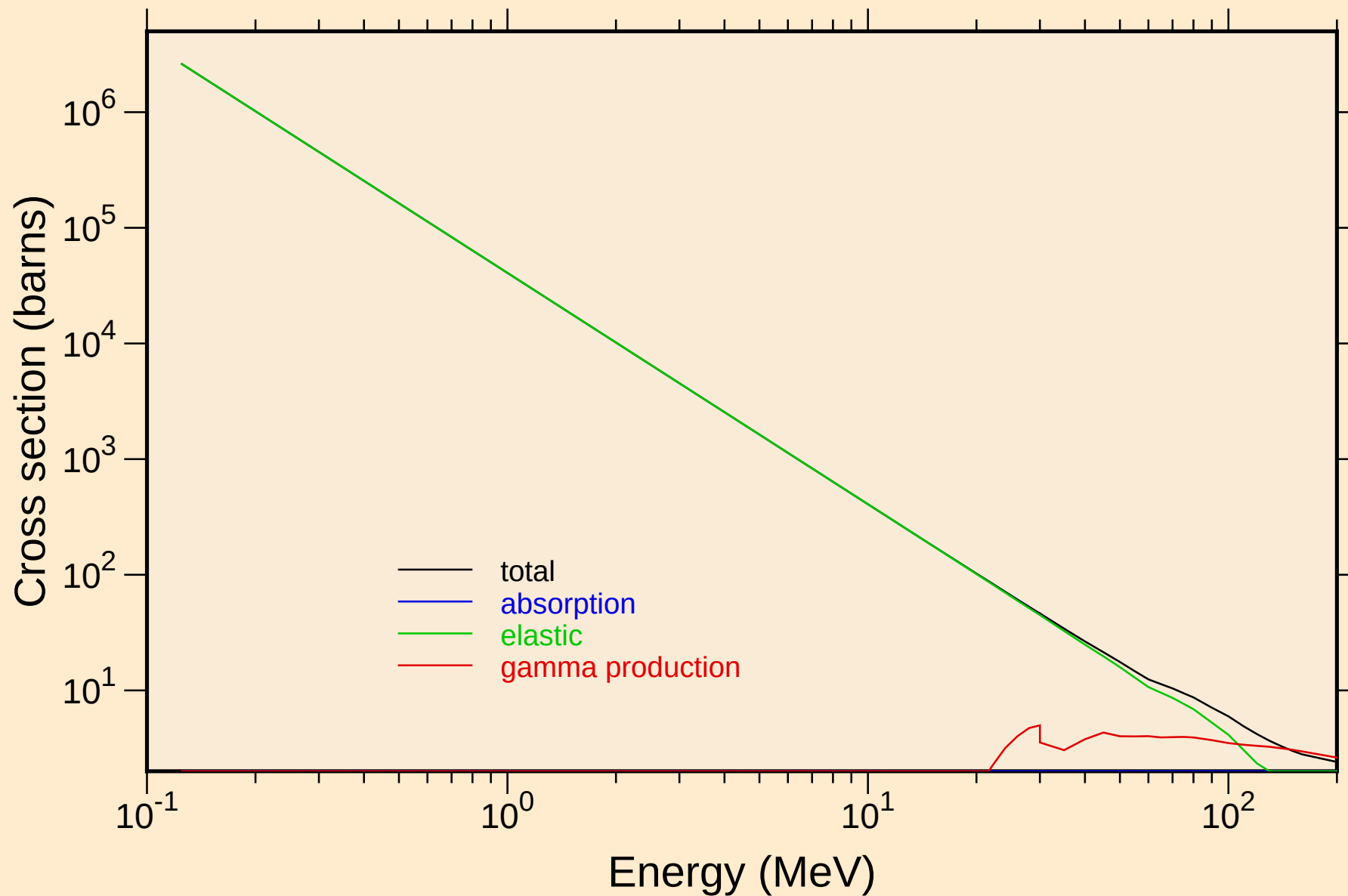


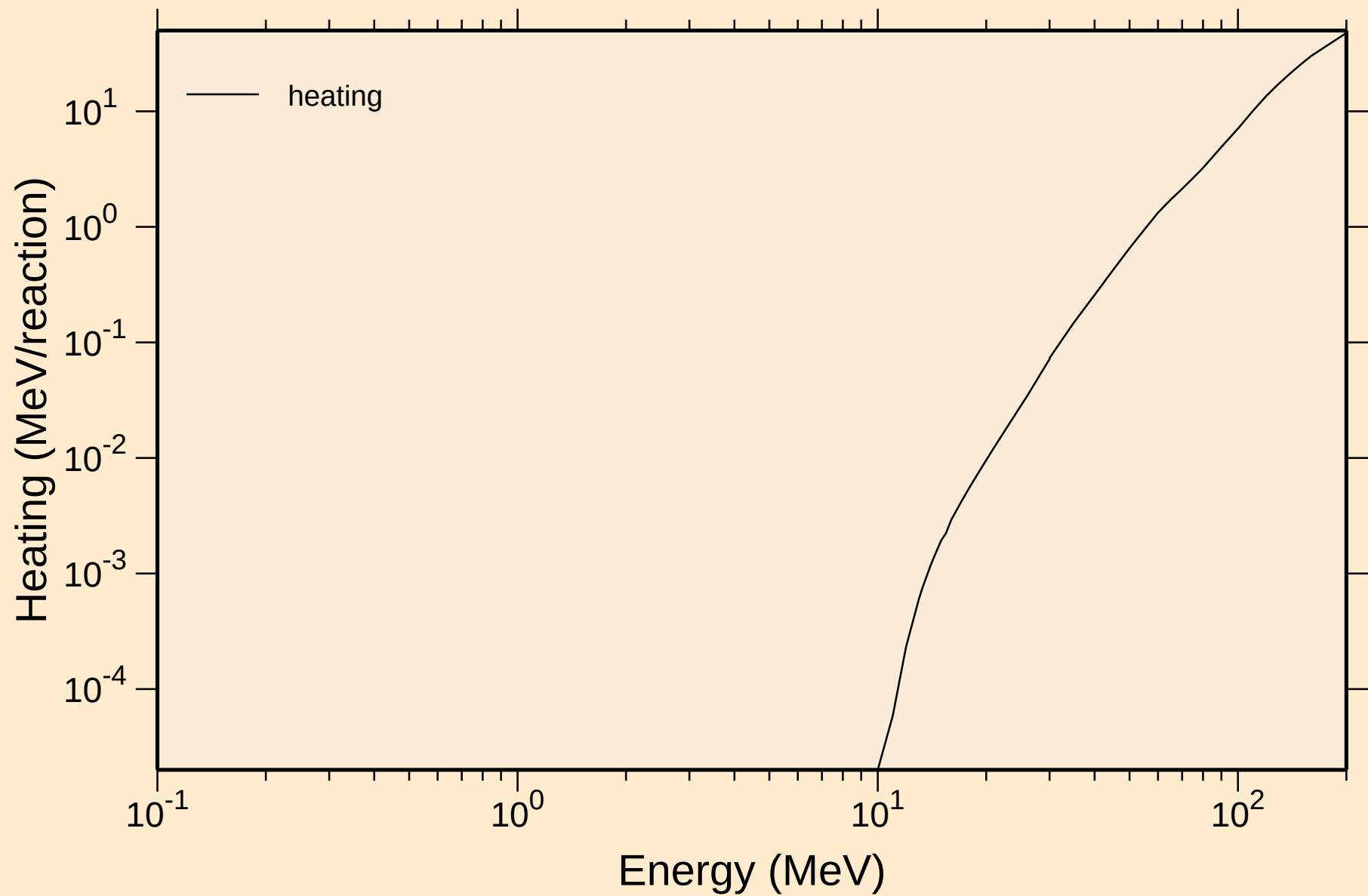
# Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



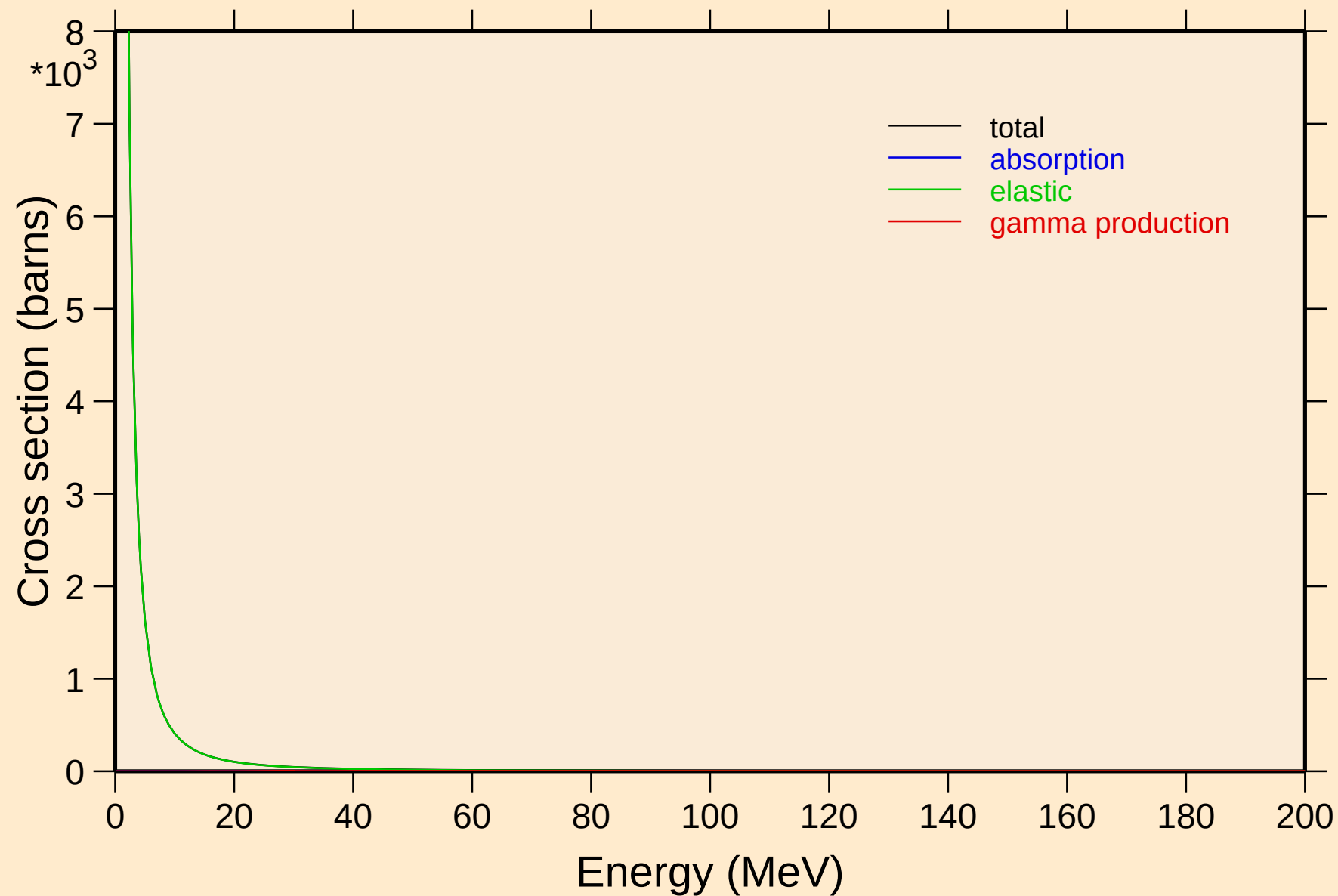
Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Heating



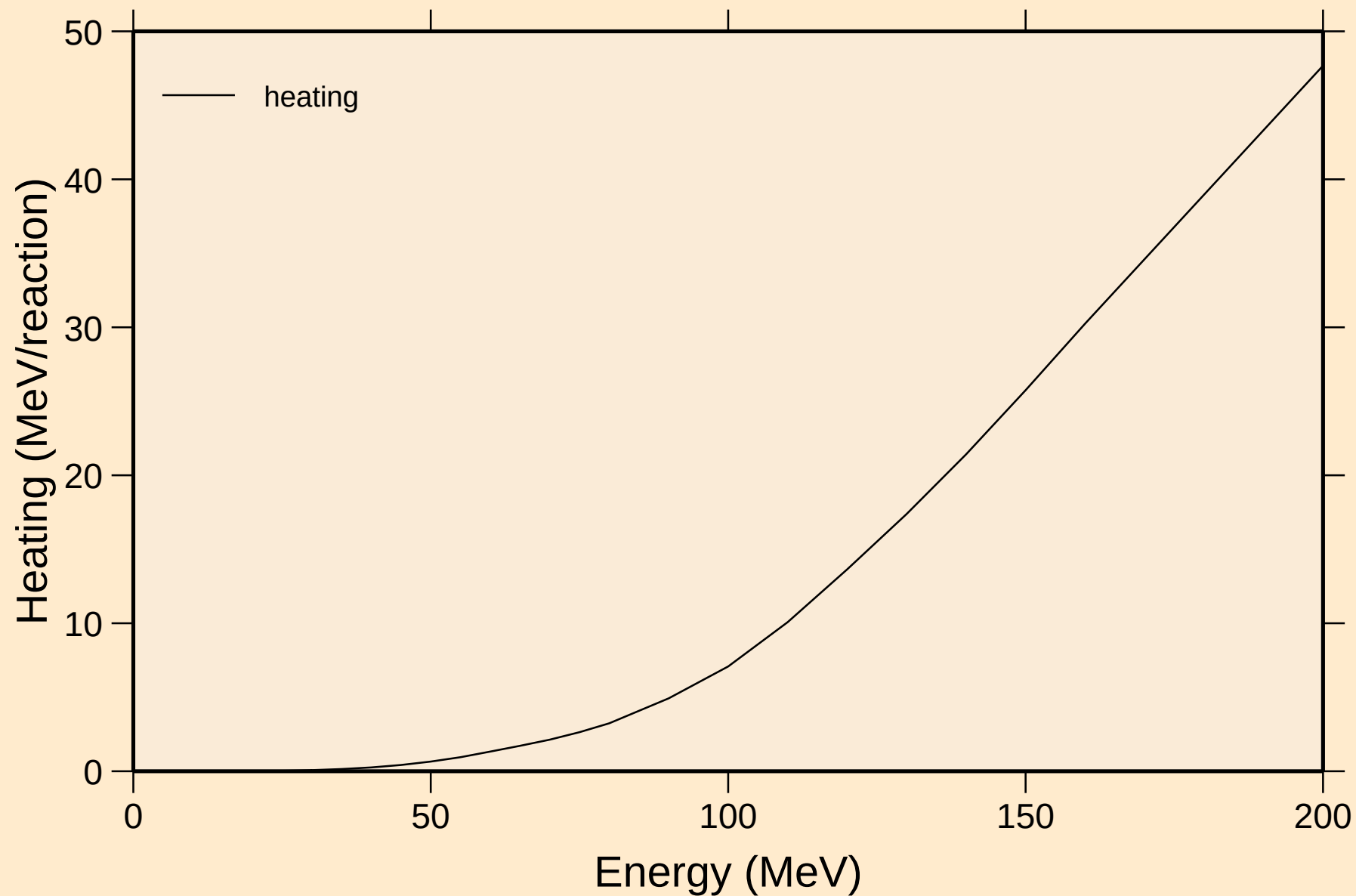
# Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



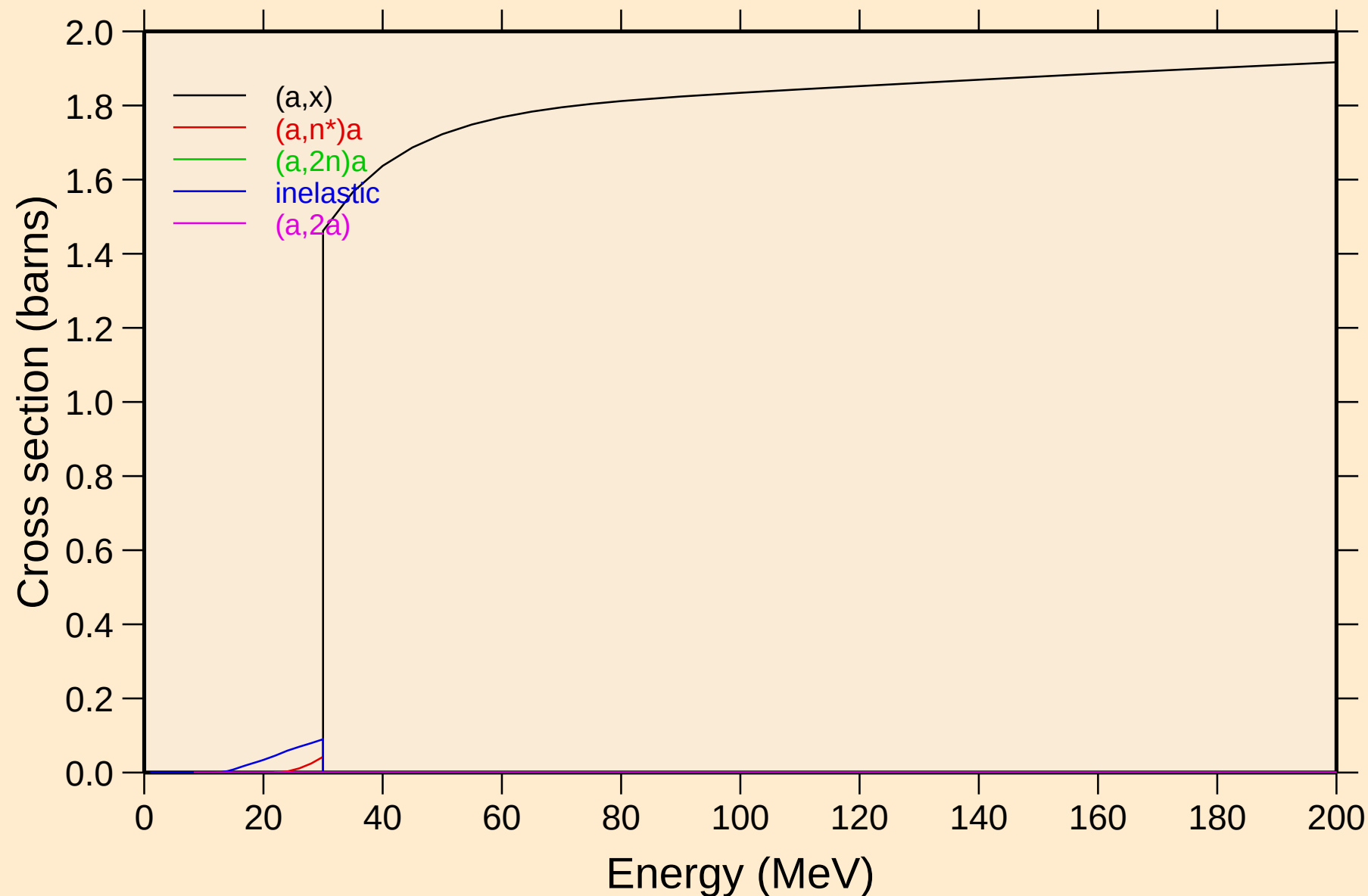
Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Heating



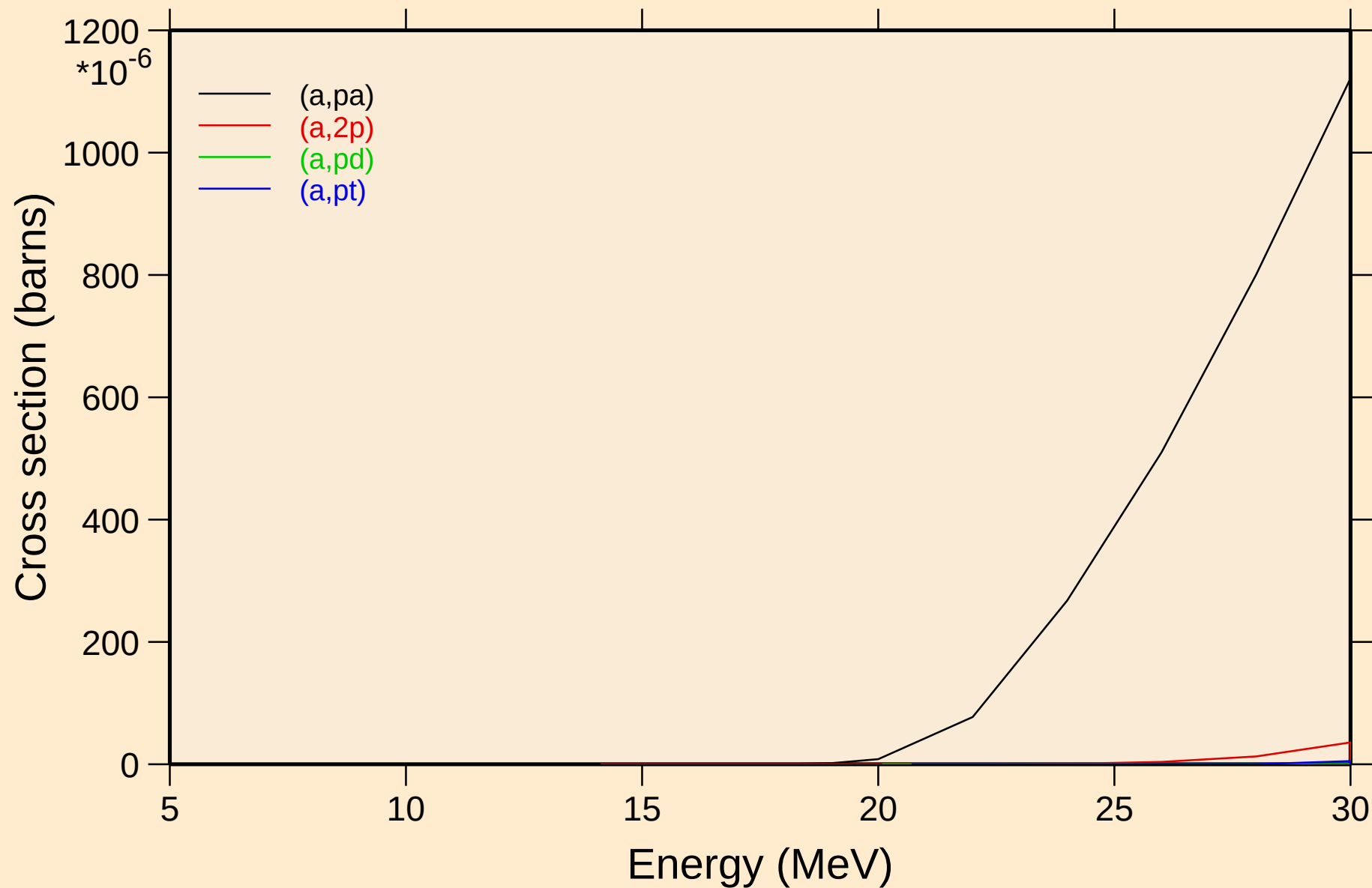
# Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

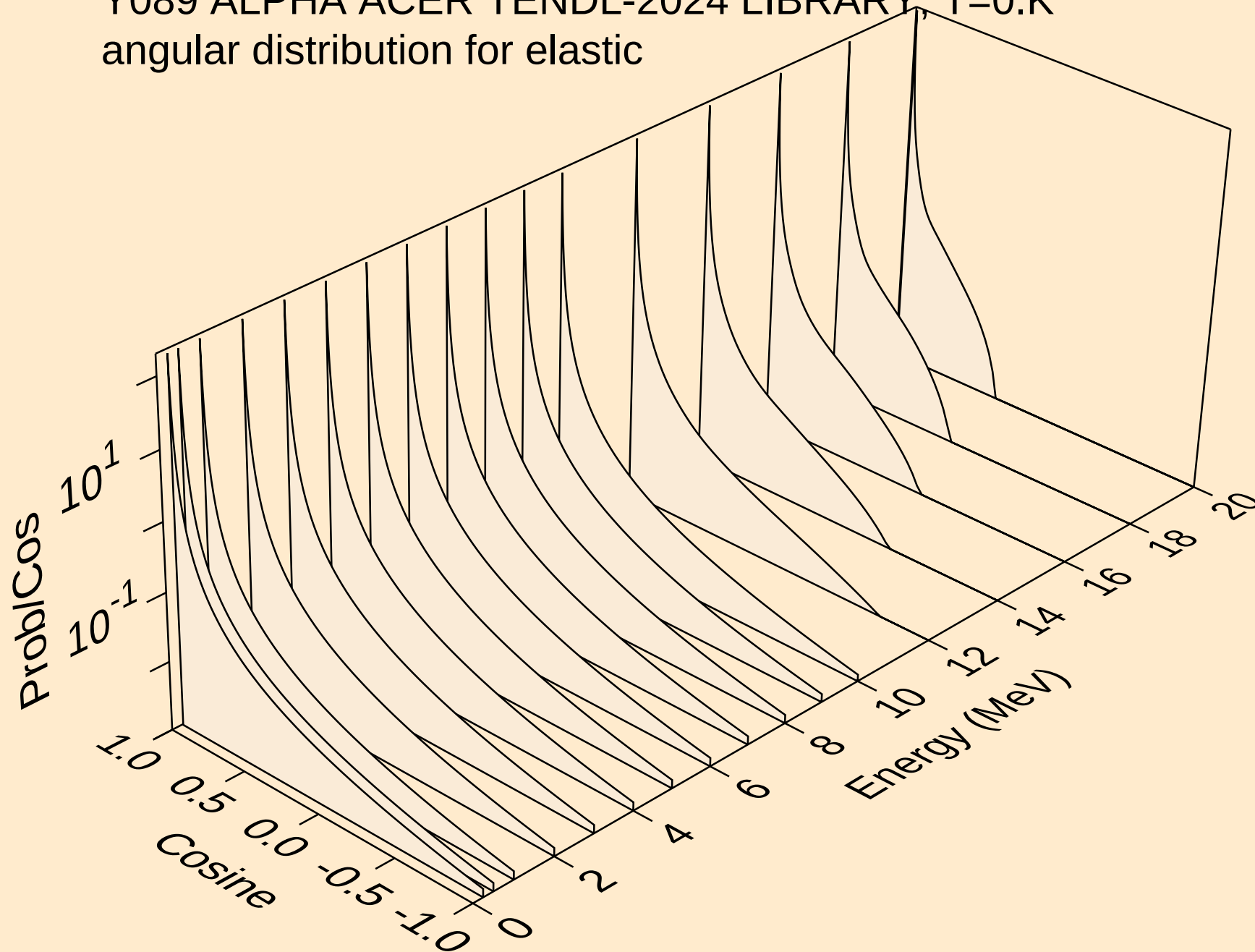


# Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

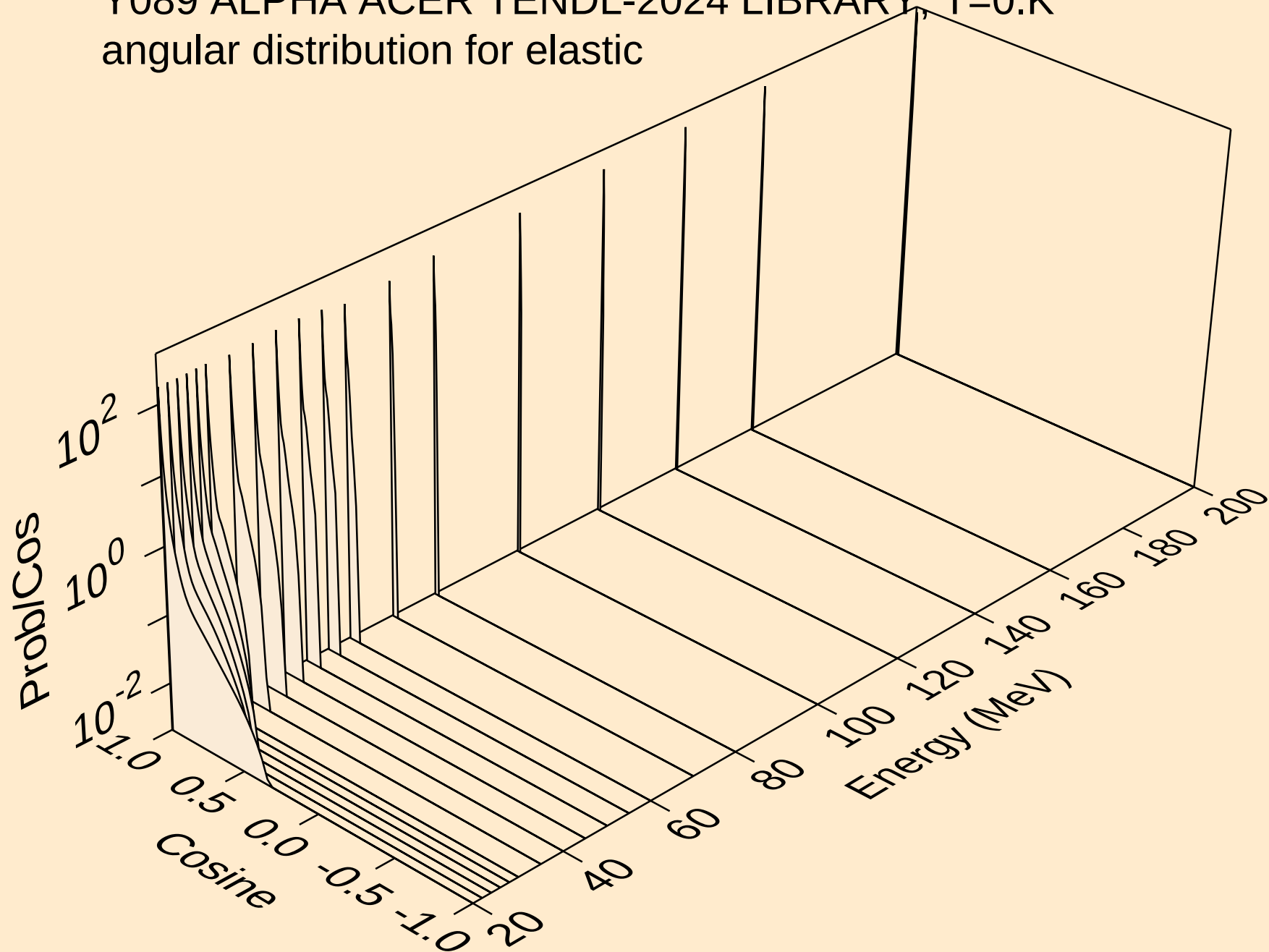
Threshold reactions



Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



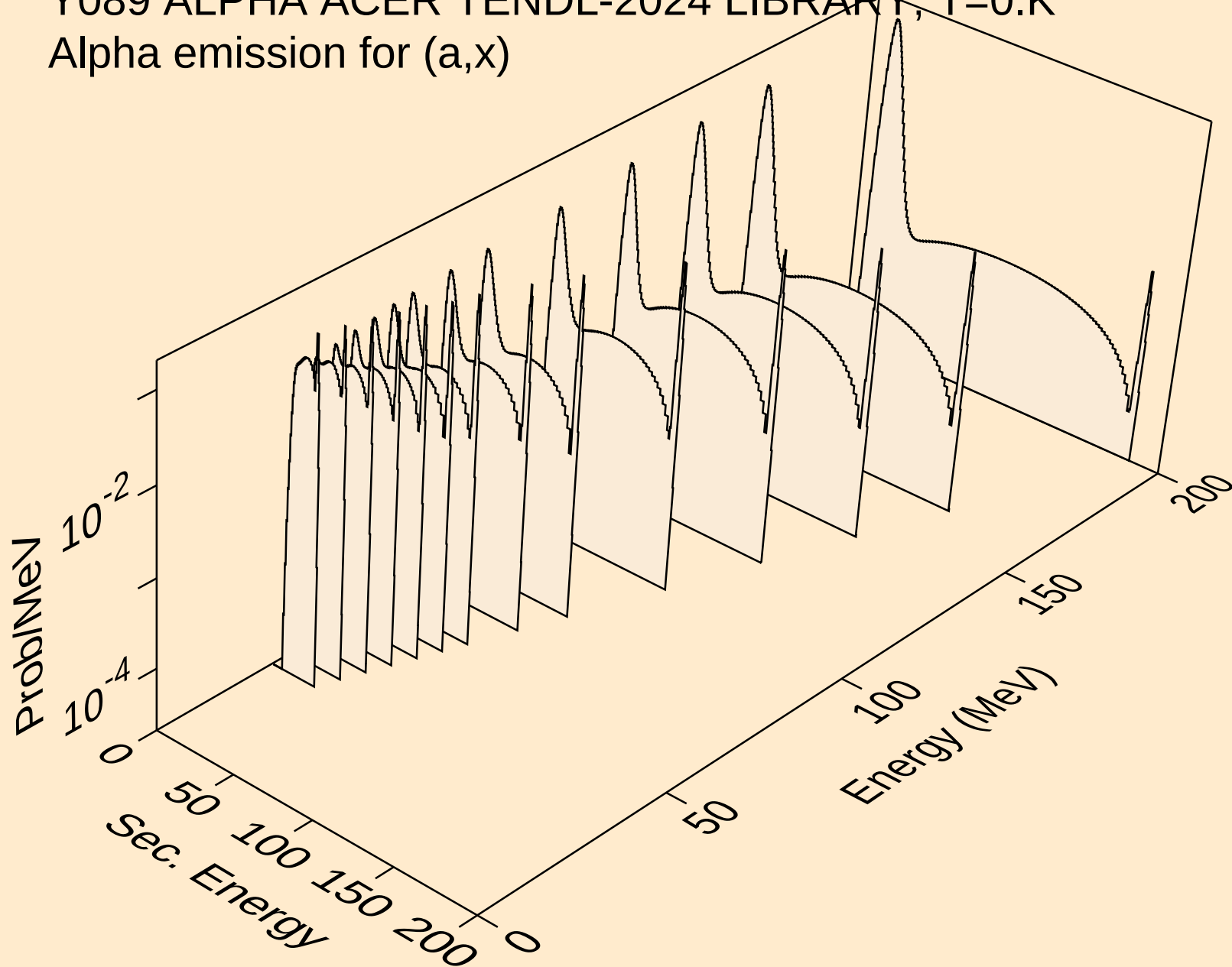
Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic





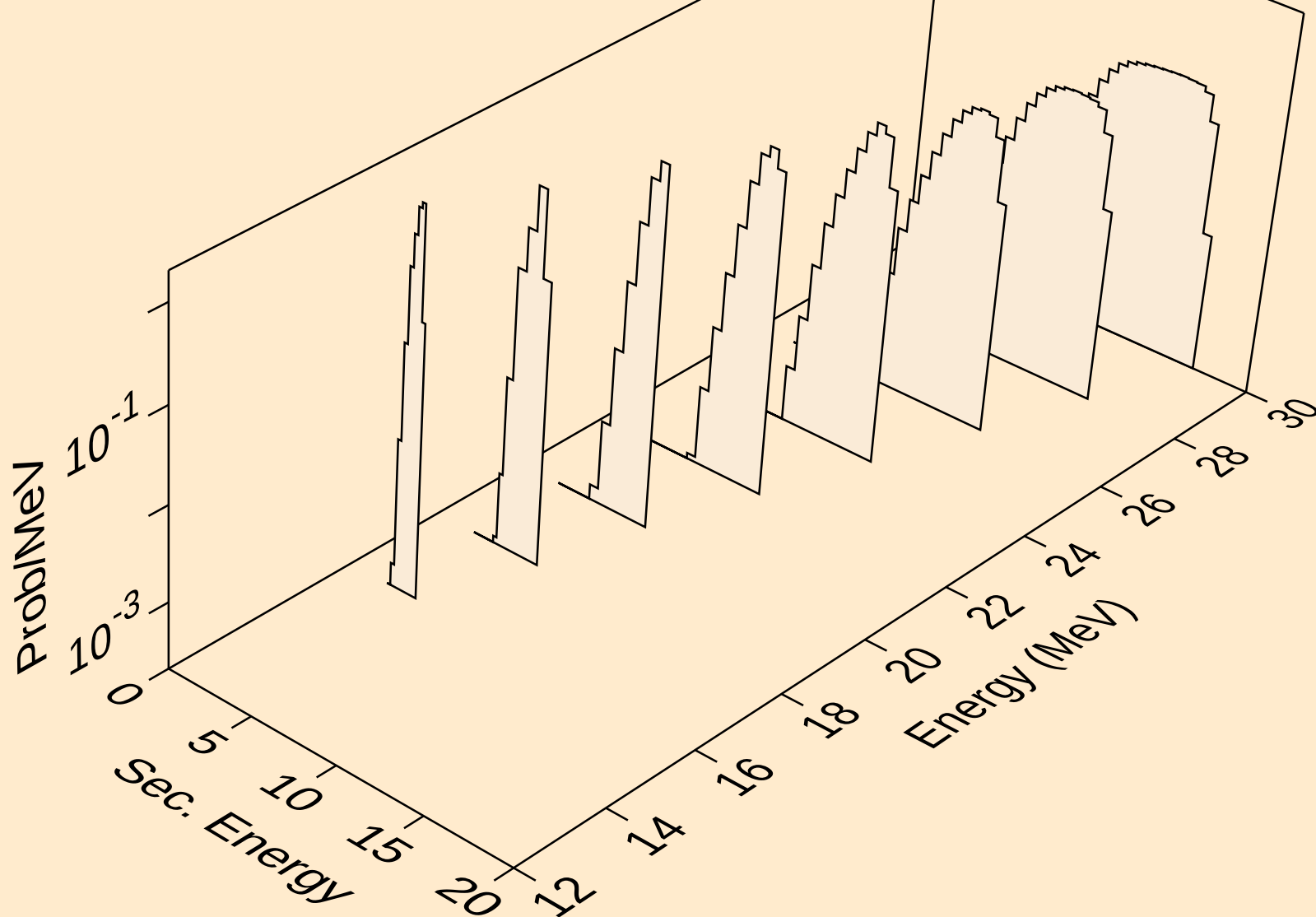
Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for (a,x)



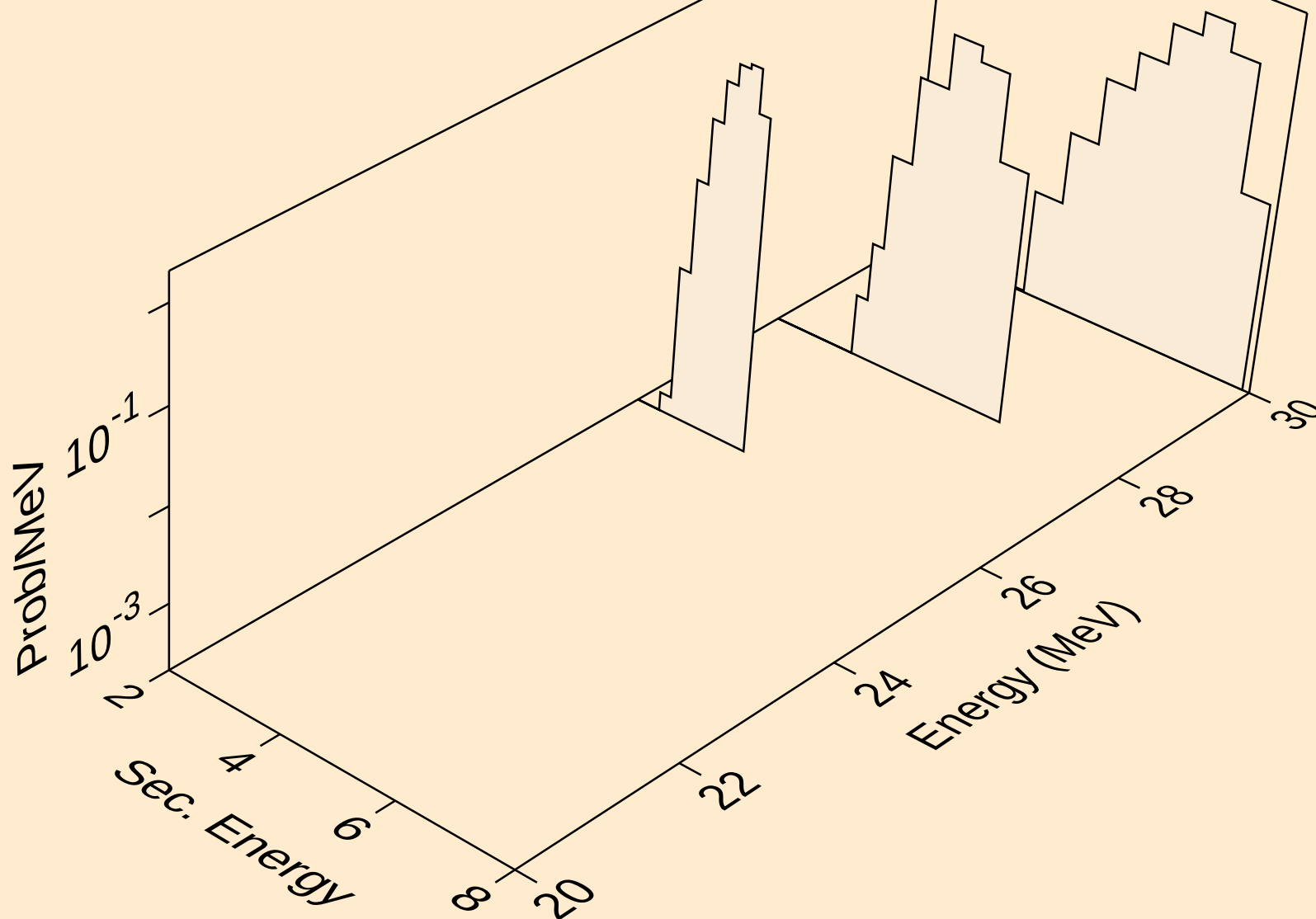
Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for (a,n\*)a



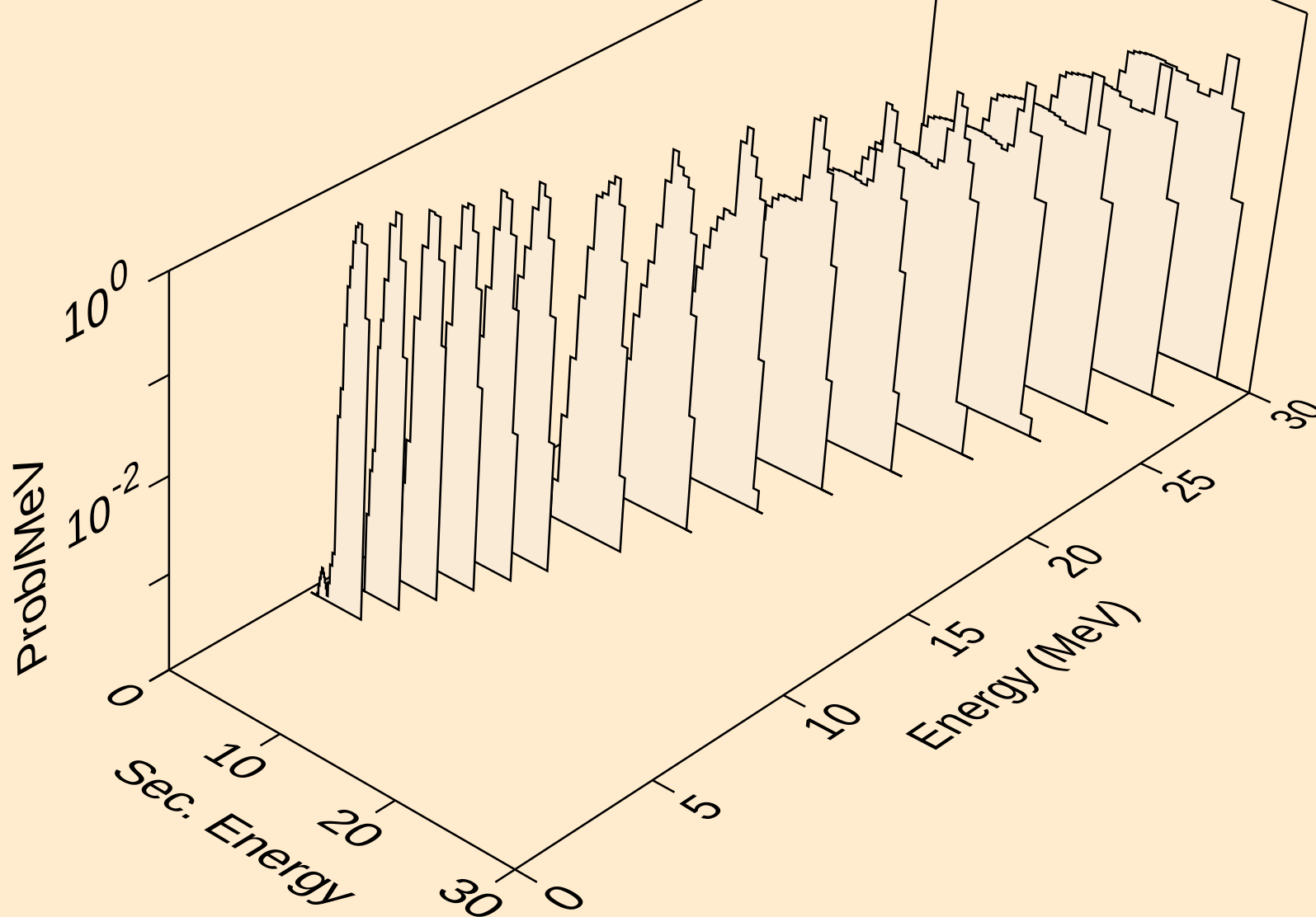
Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for (a,2n)a



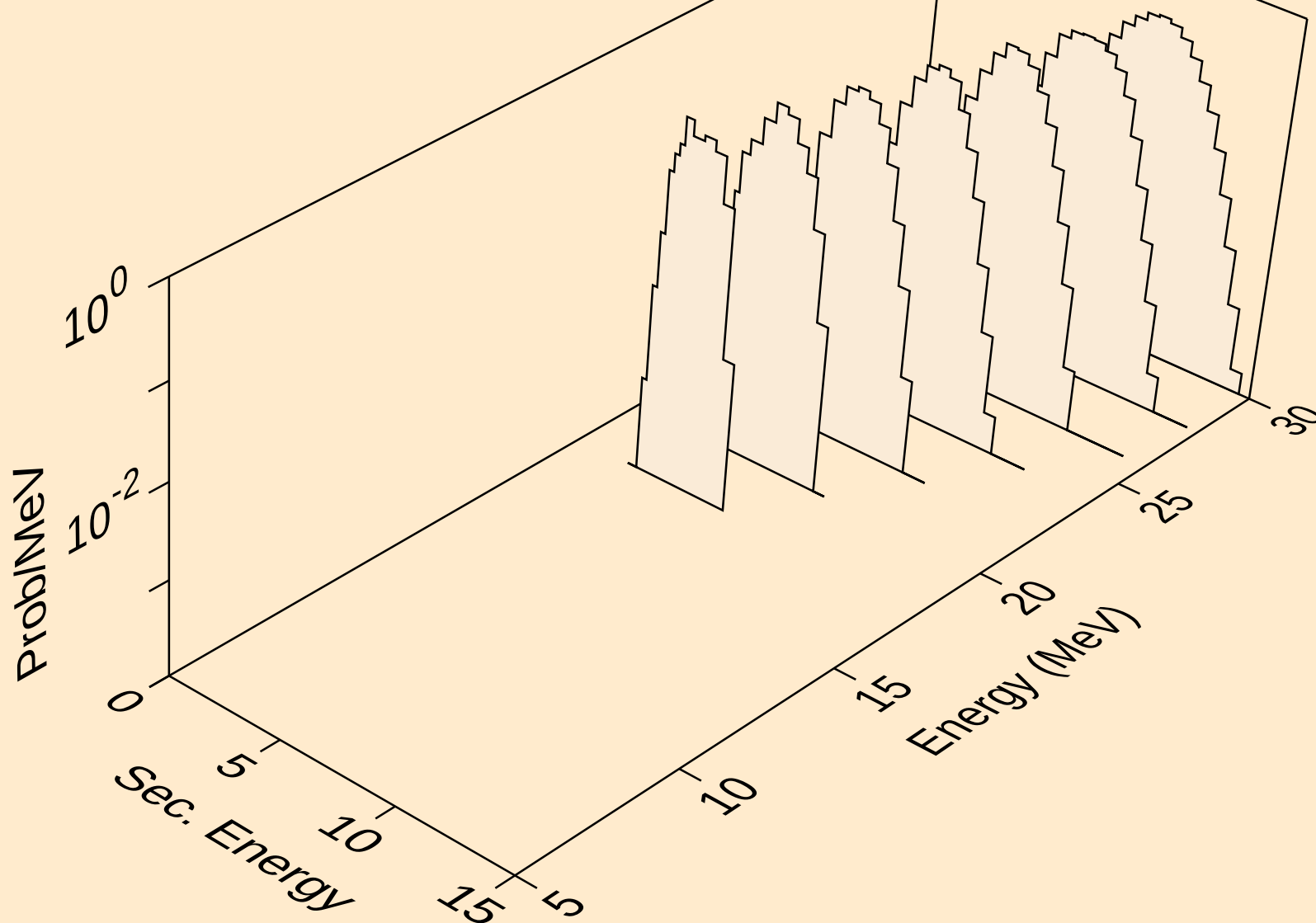
Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for inelastic



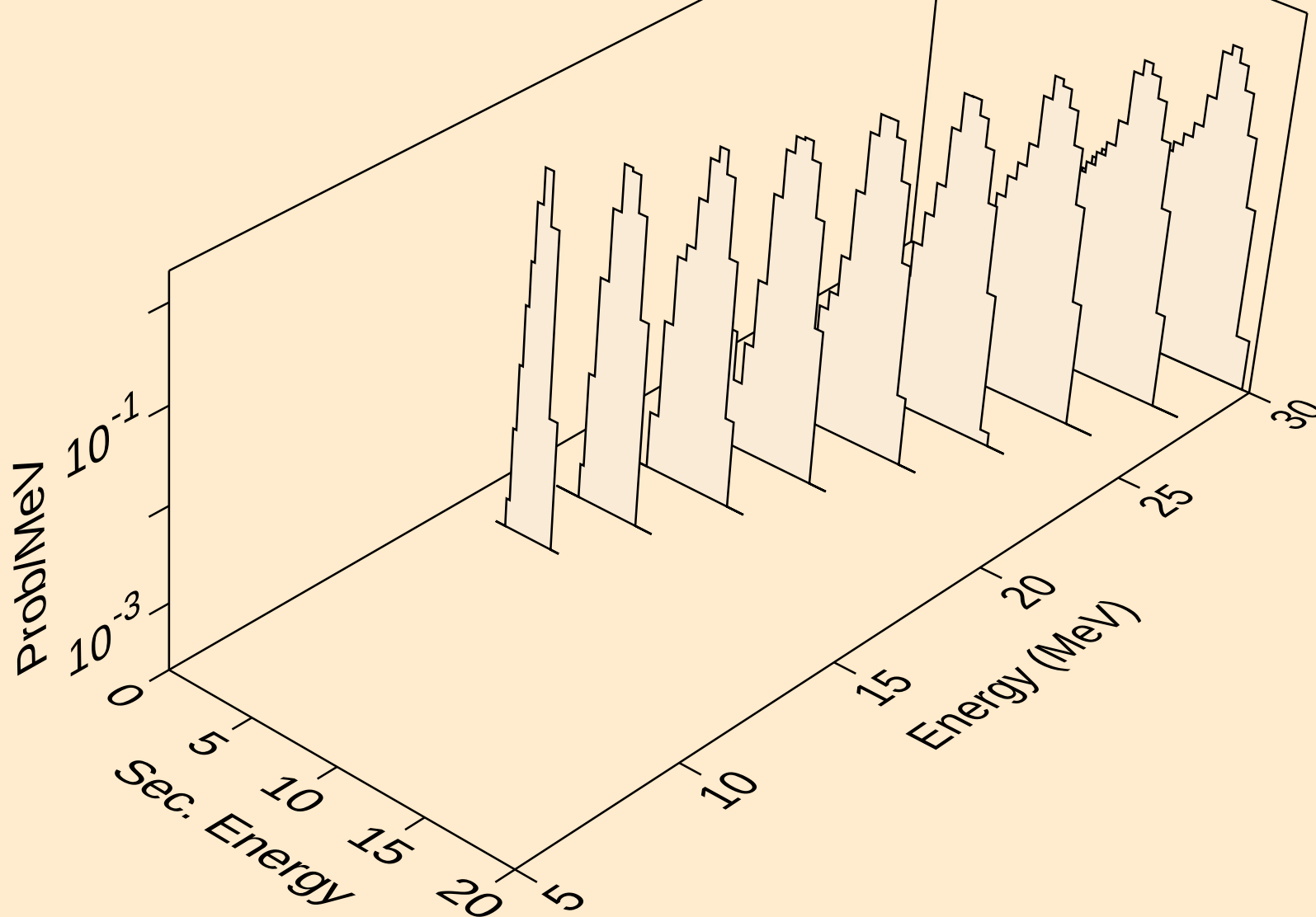
Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for (a,2a)

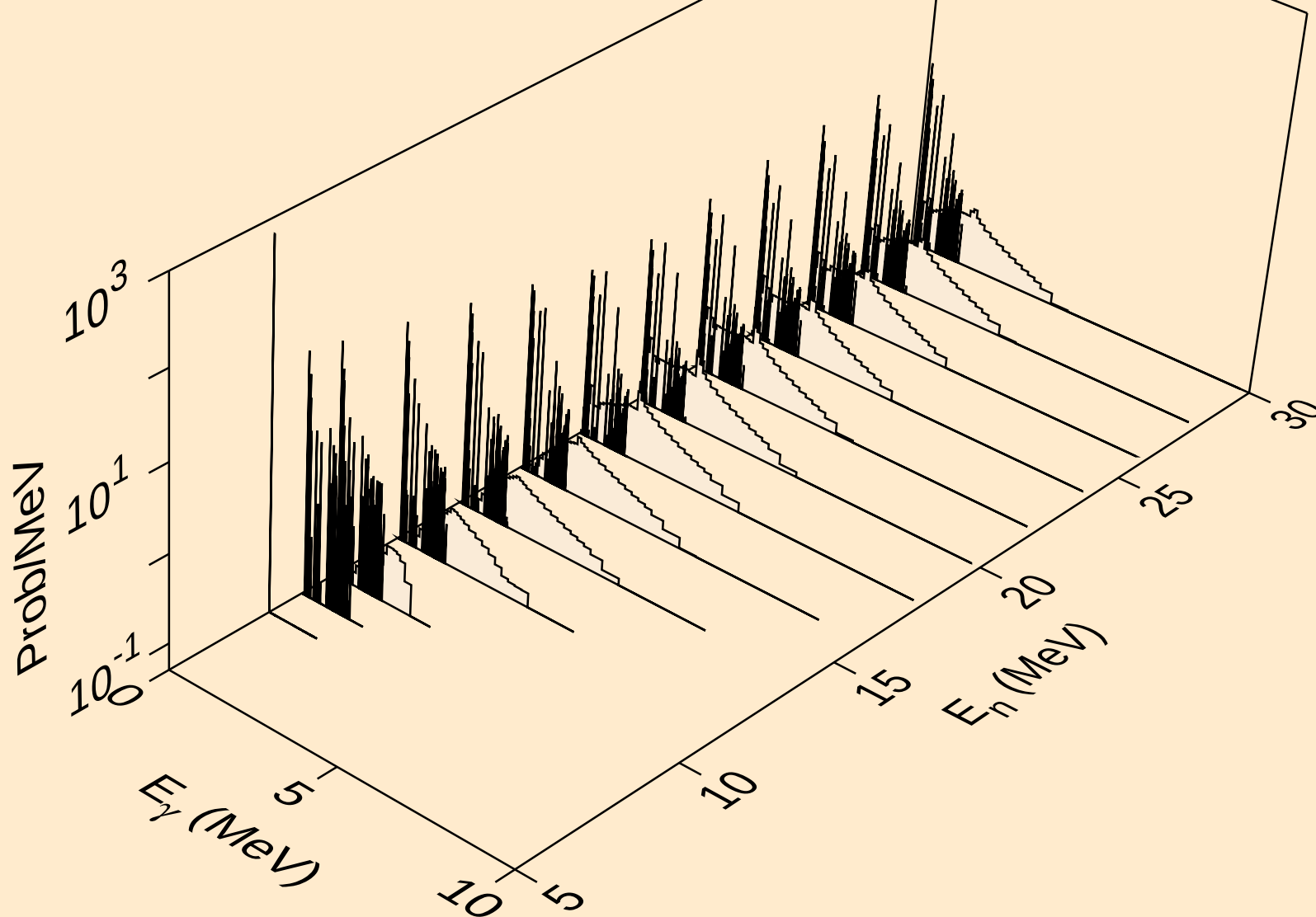


Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for (a,pa)

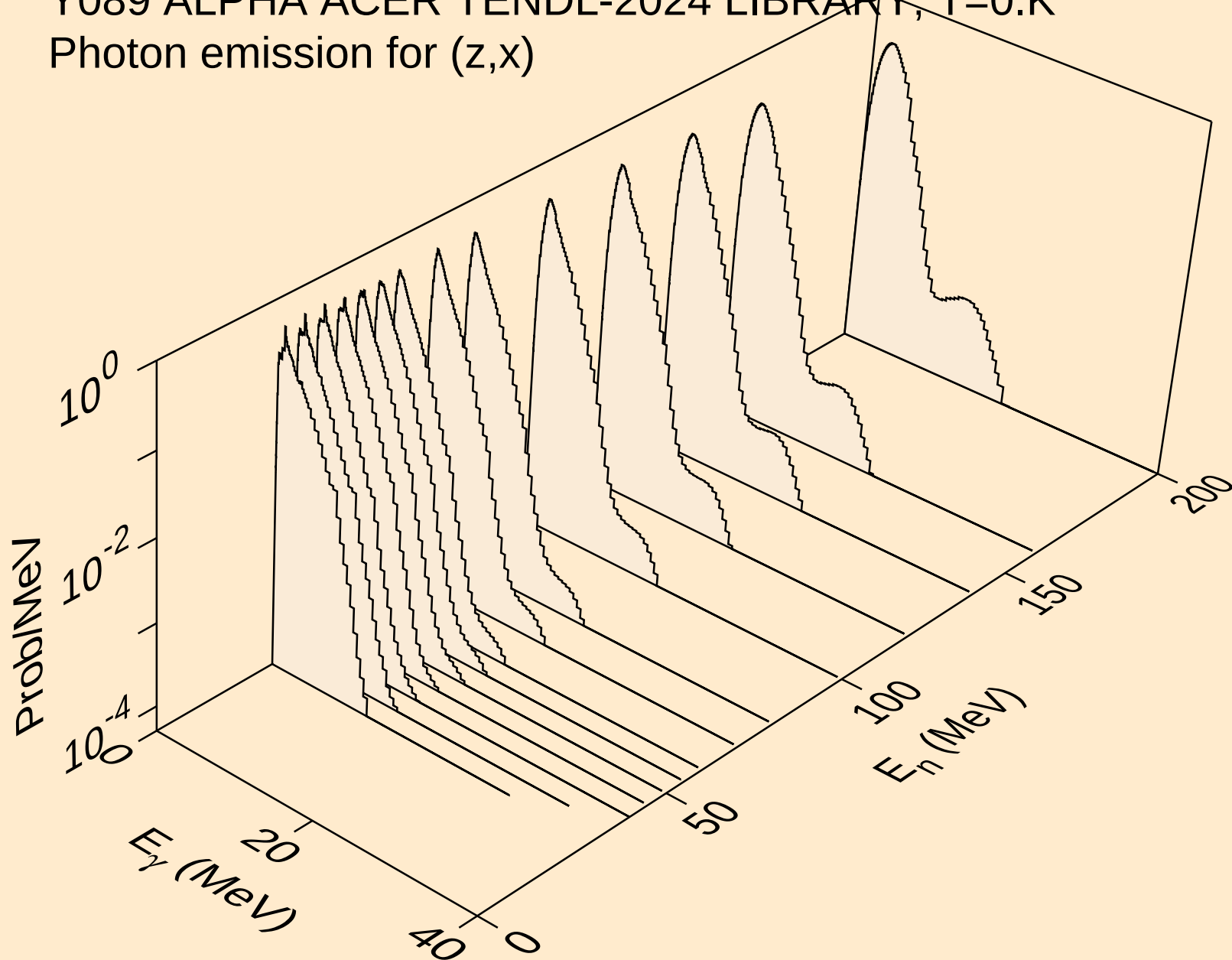


Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,n)



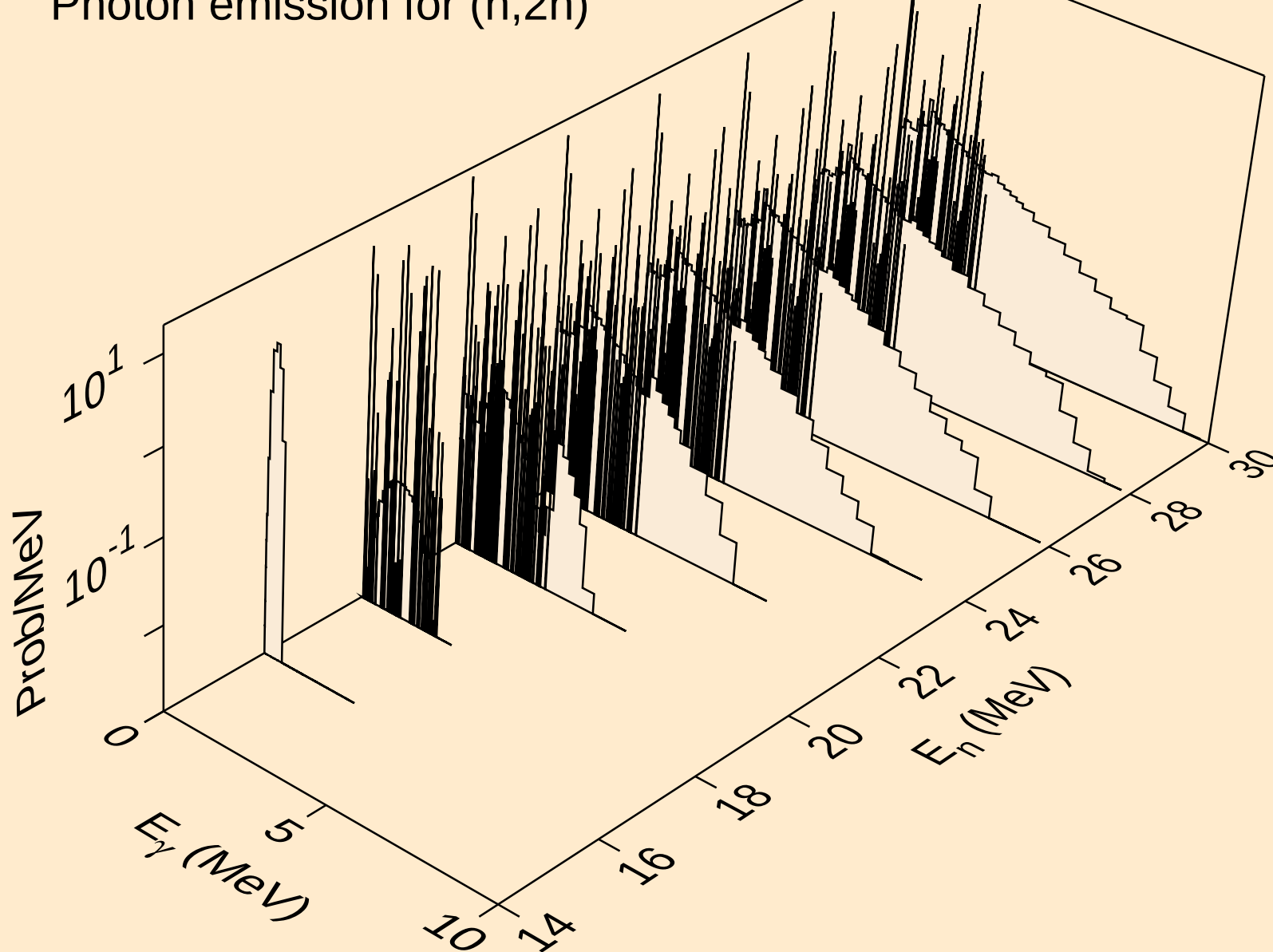
Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (z,x)



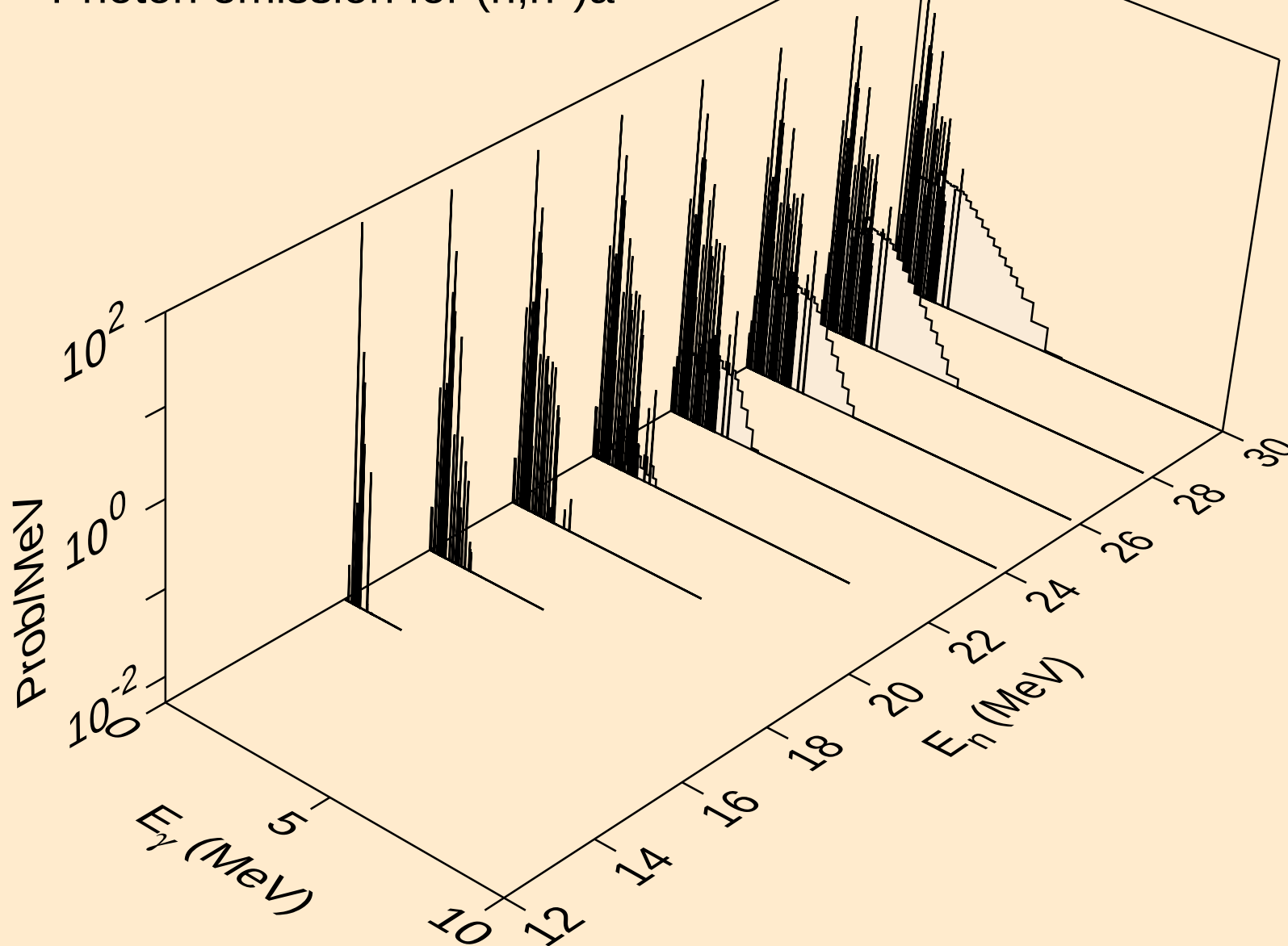


Y089 ALPHA ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (n,2n)



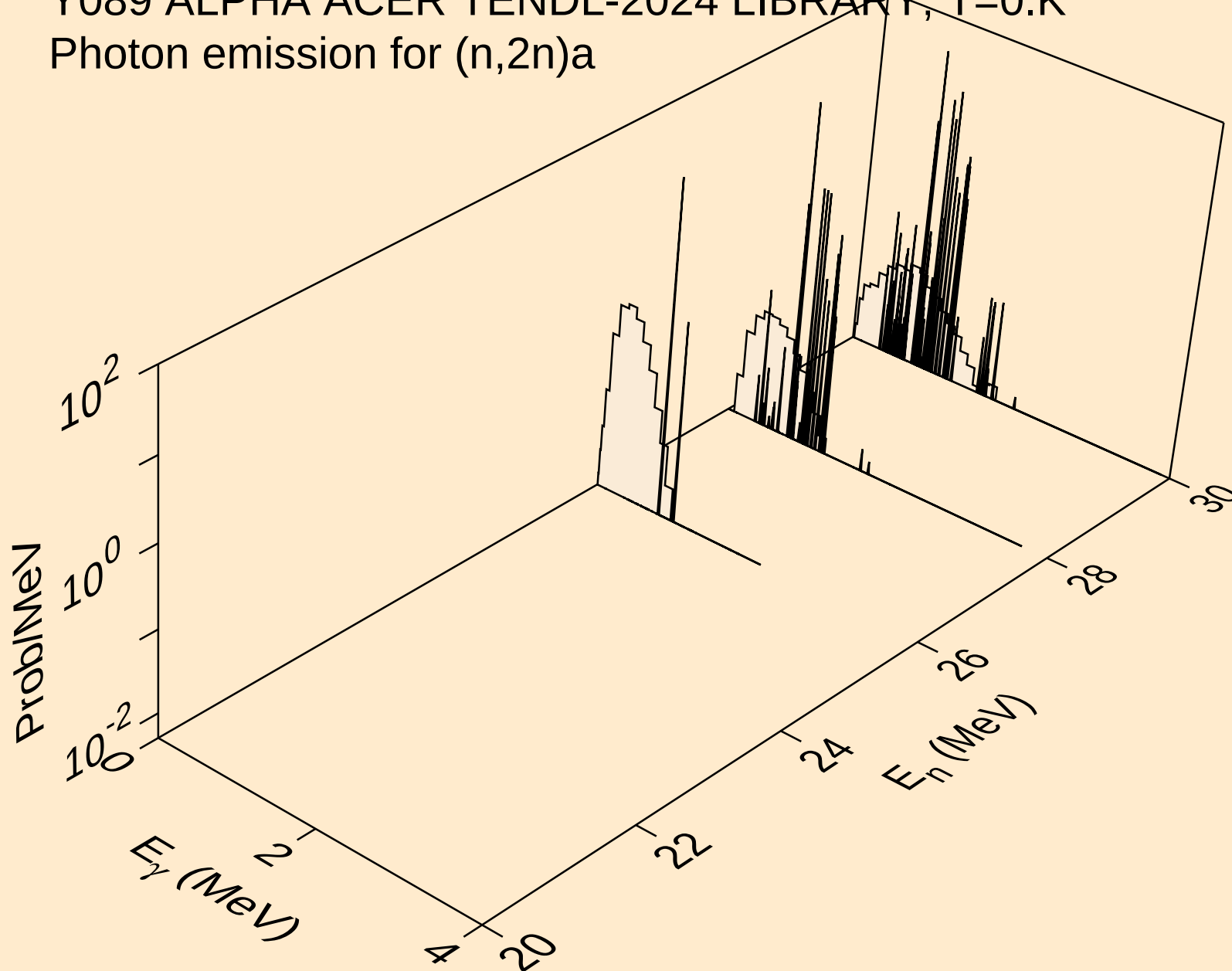
Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)a



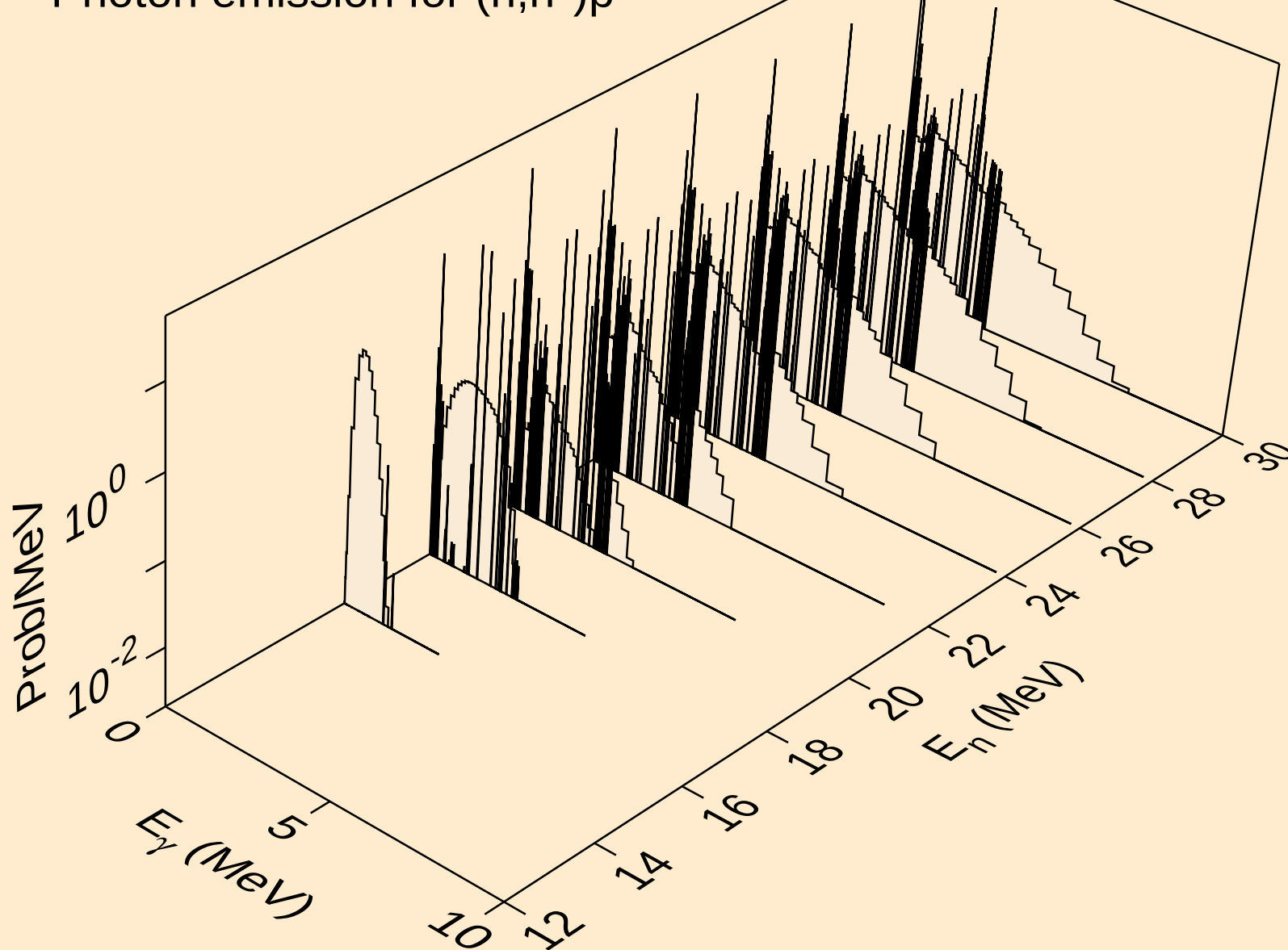
Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,2n) $\alpha$



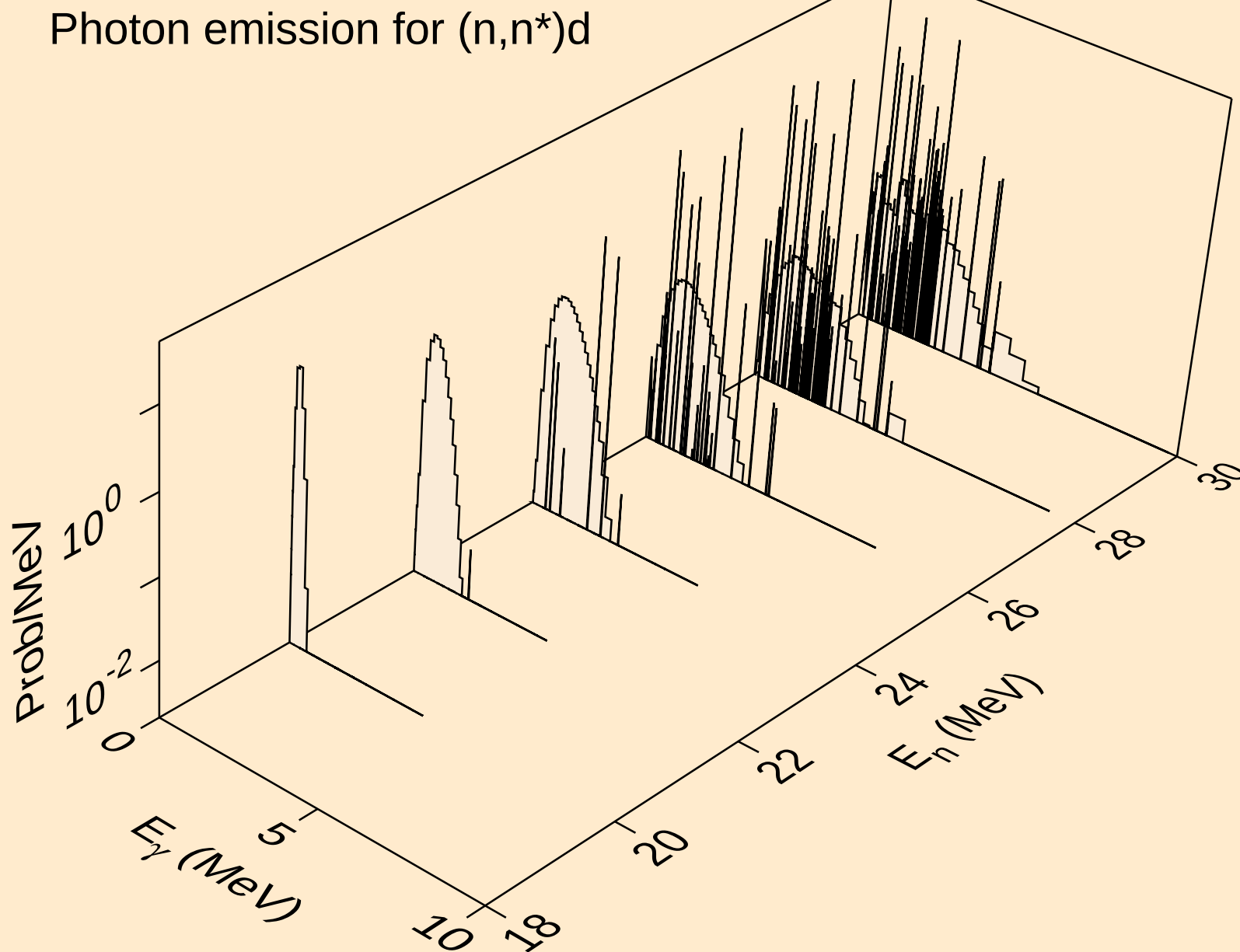
Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)p



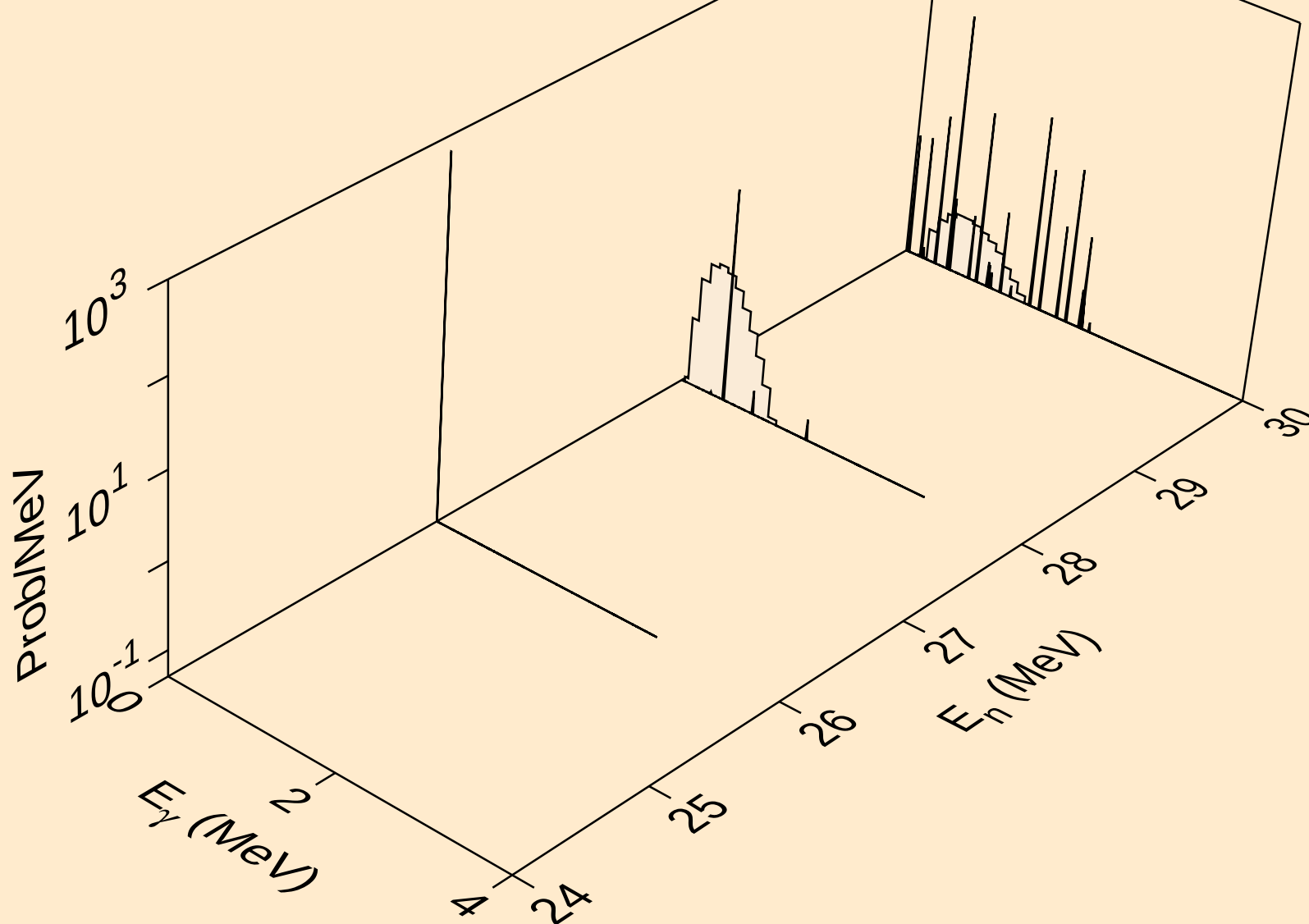
Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)d



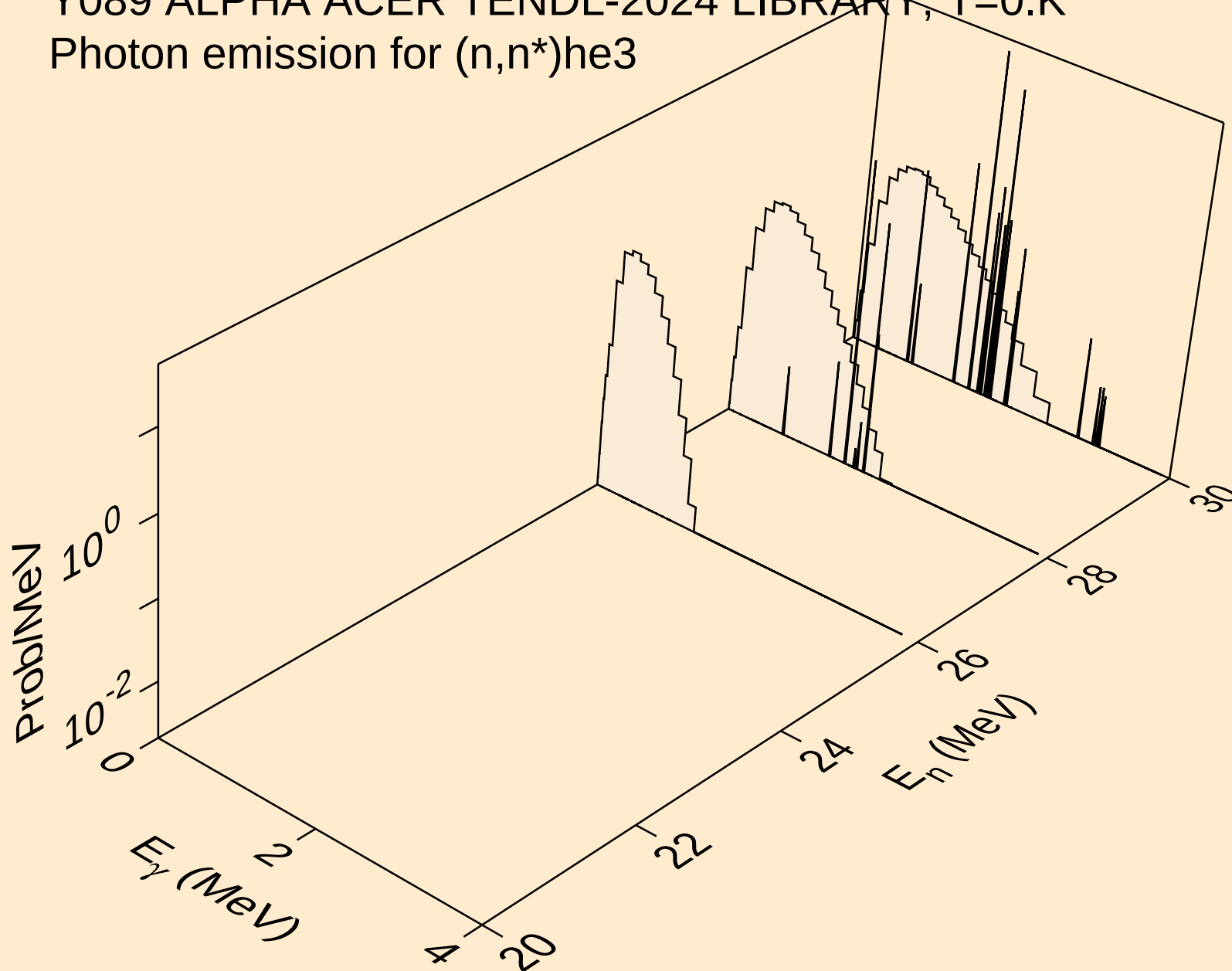
Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)t

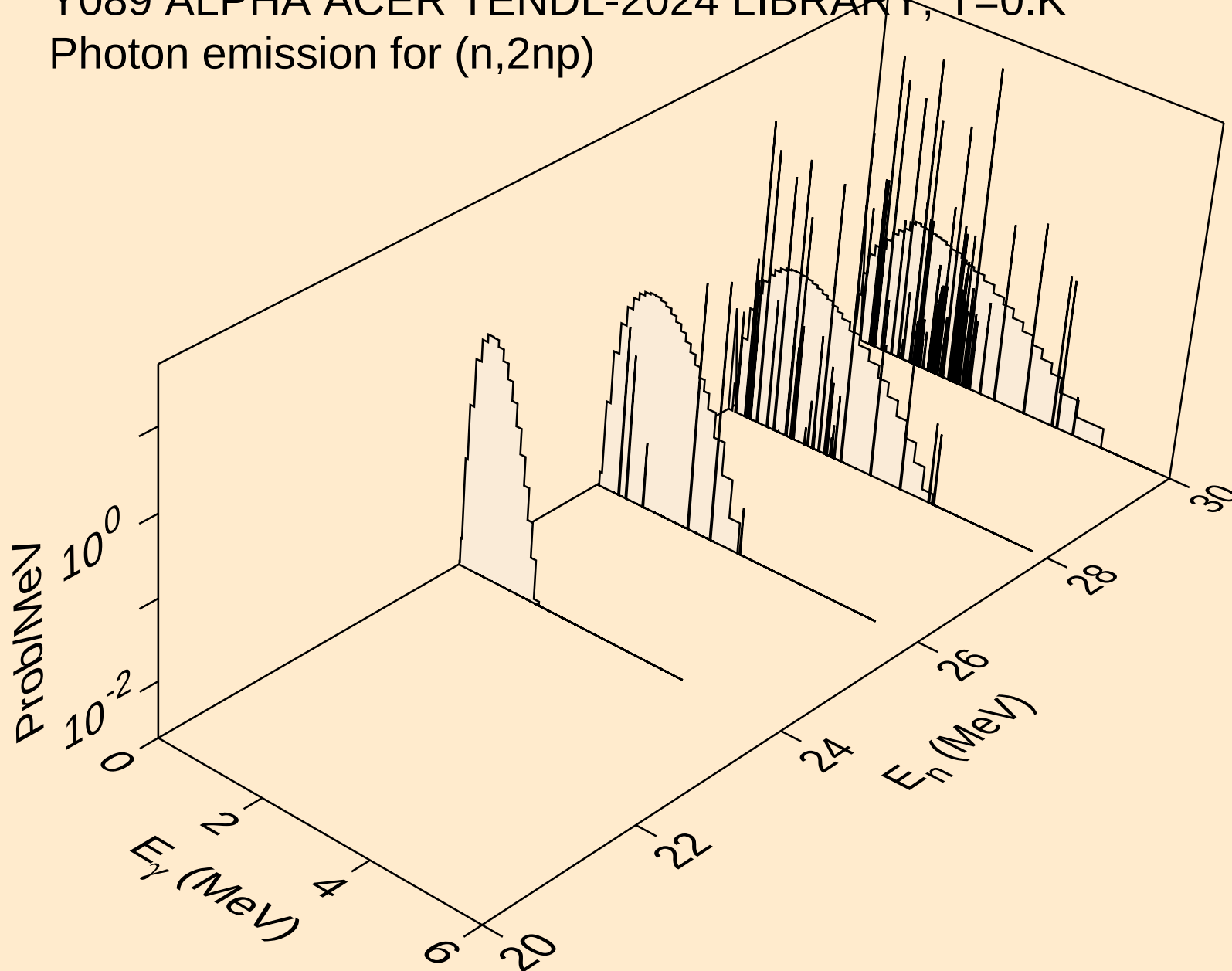


Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)he3

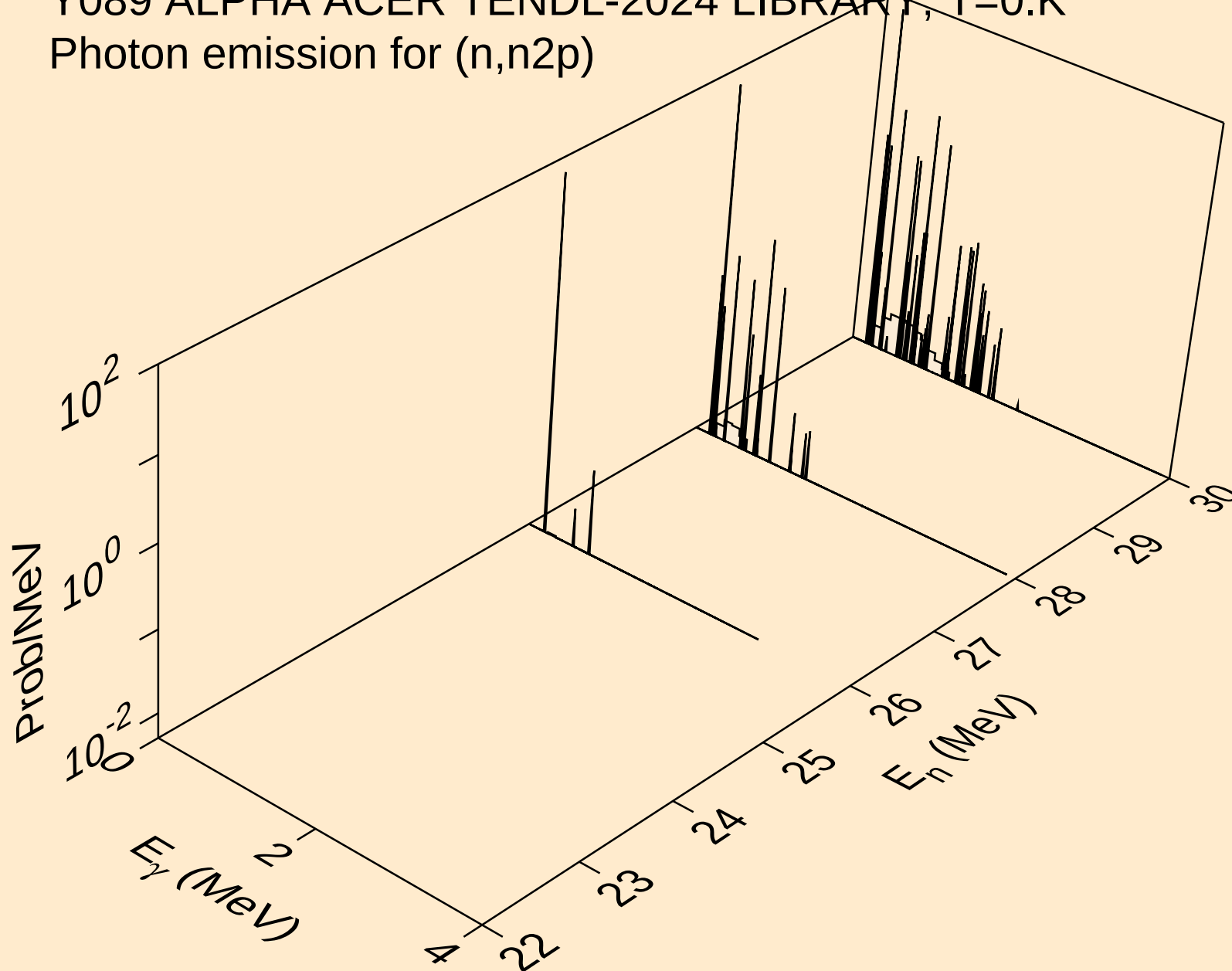


Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)

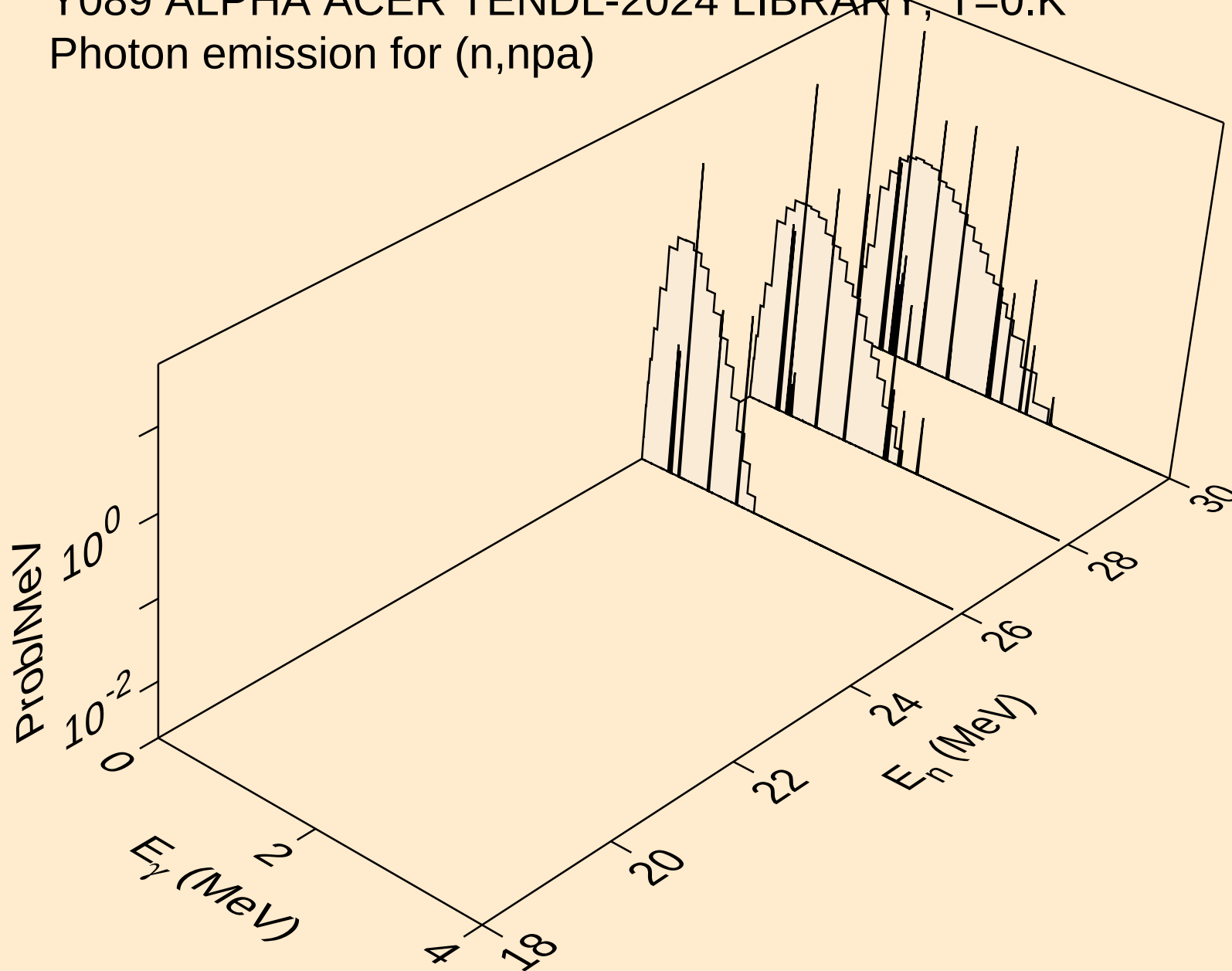




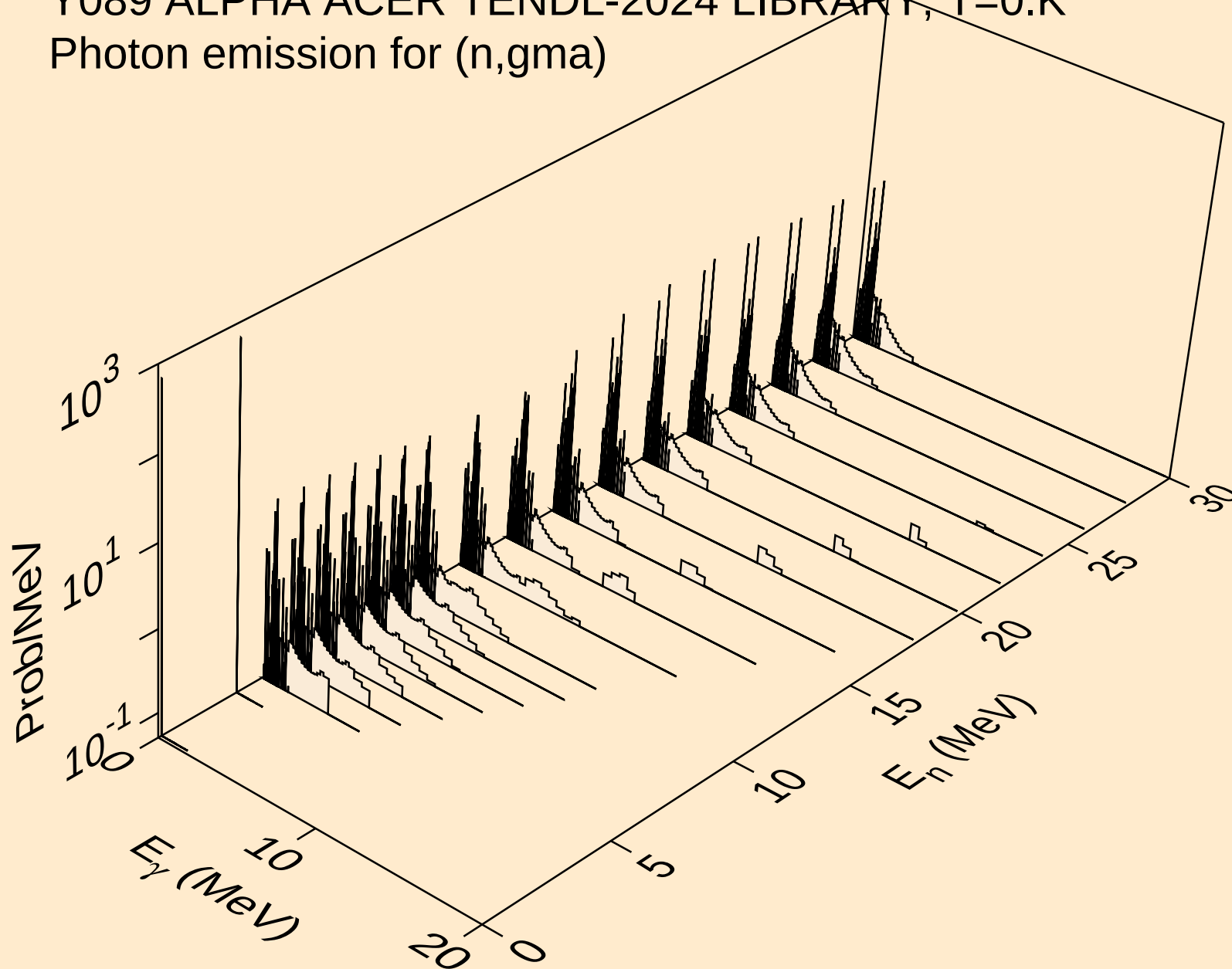
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Photon emission for (n,n2p)



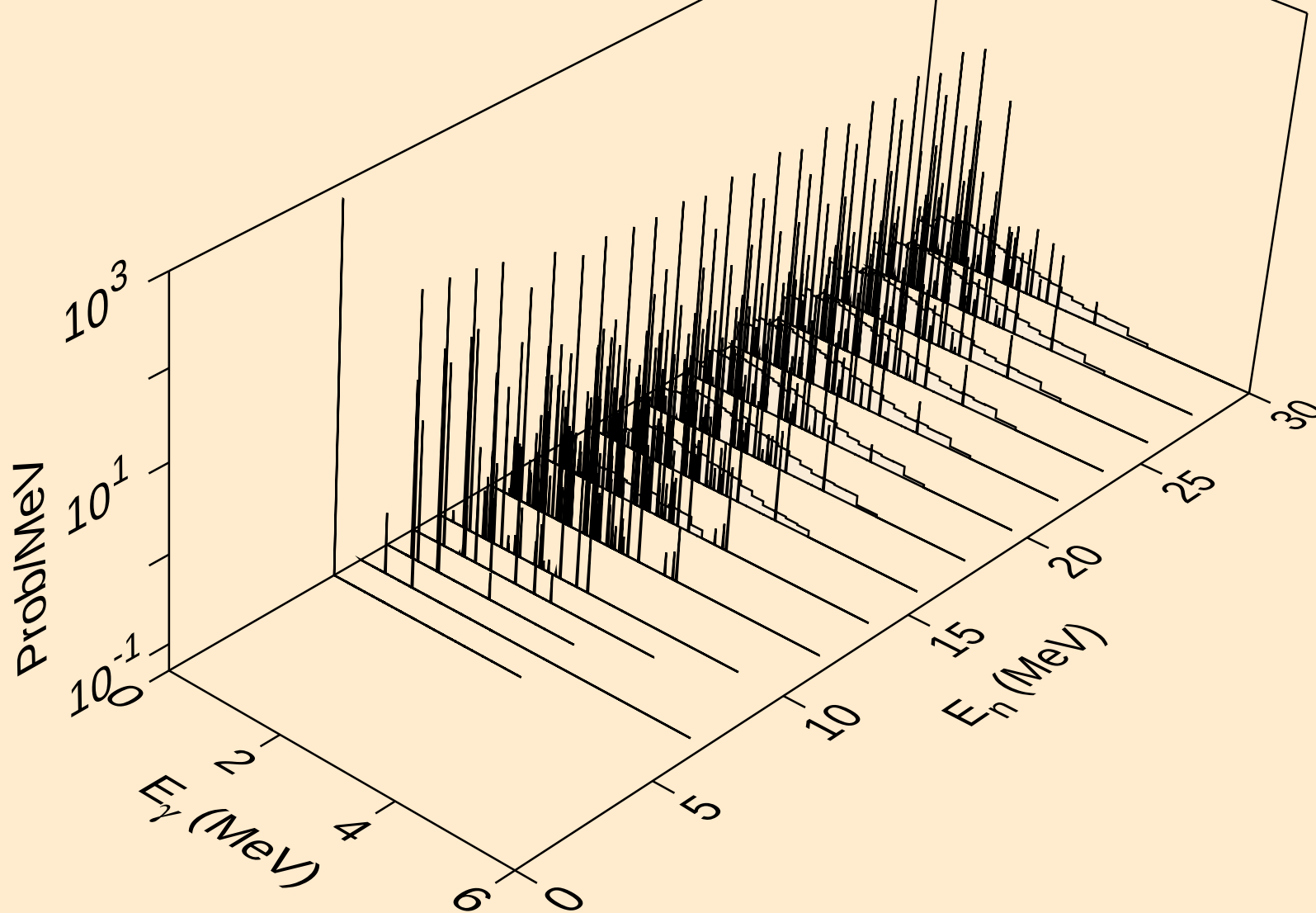
Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



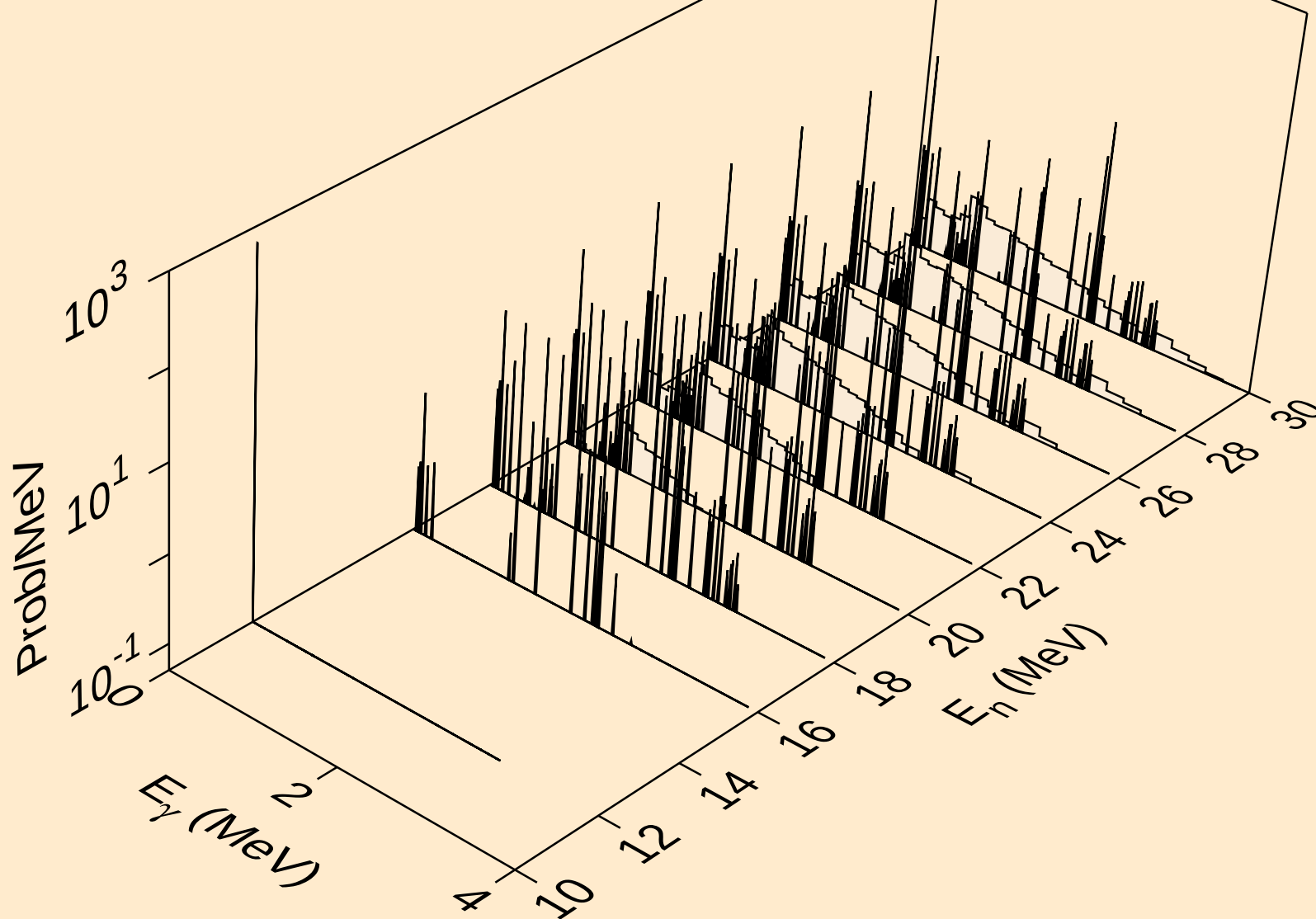
Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



Y089 ALPHA ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (n,p)

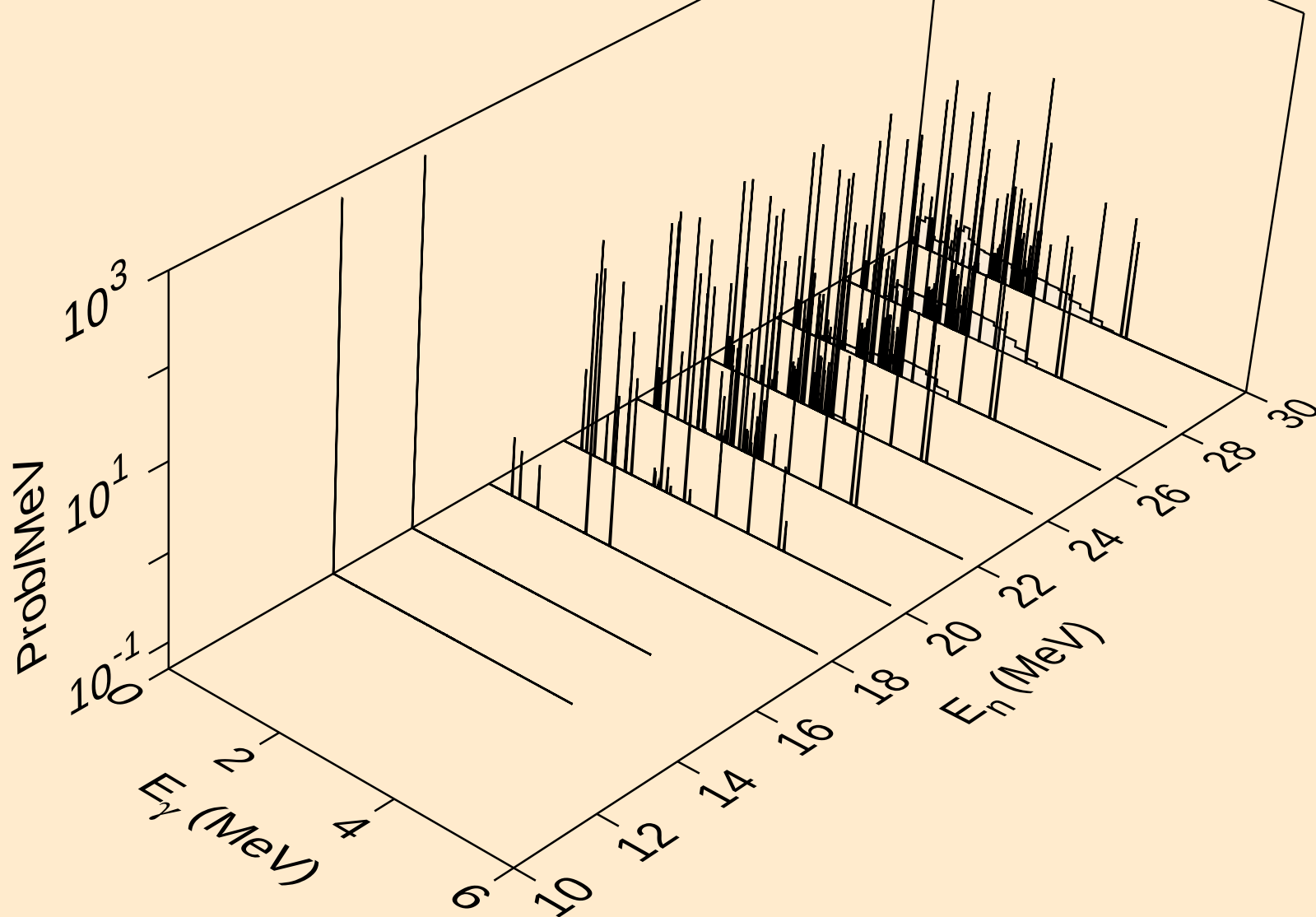


Y089 ALPHA ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (n,d)

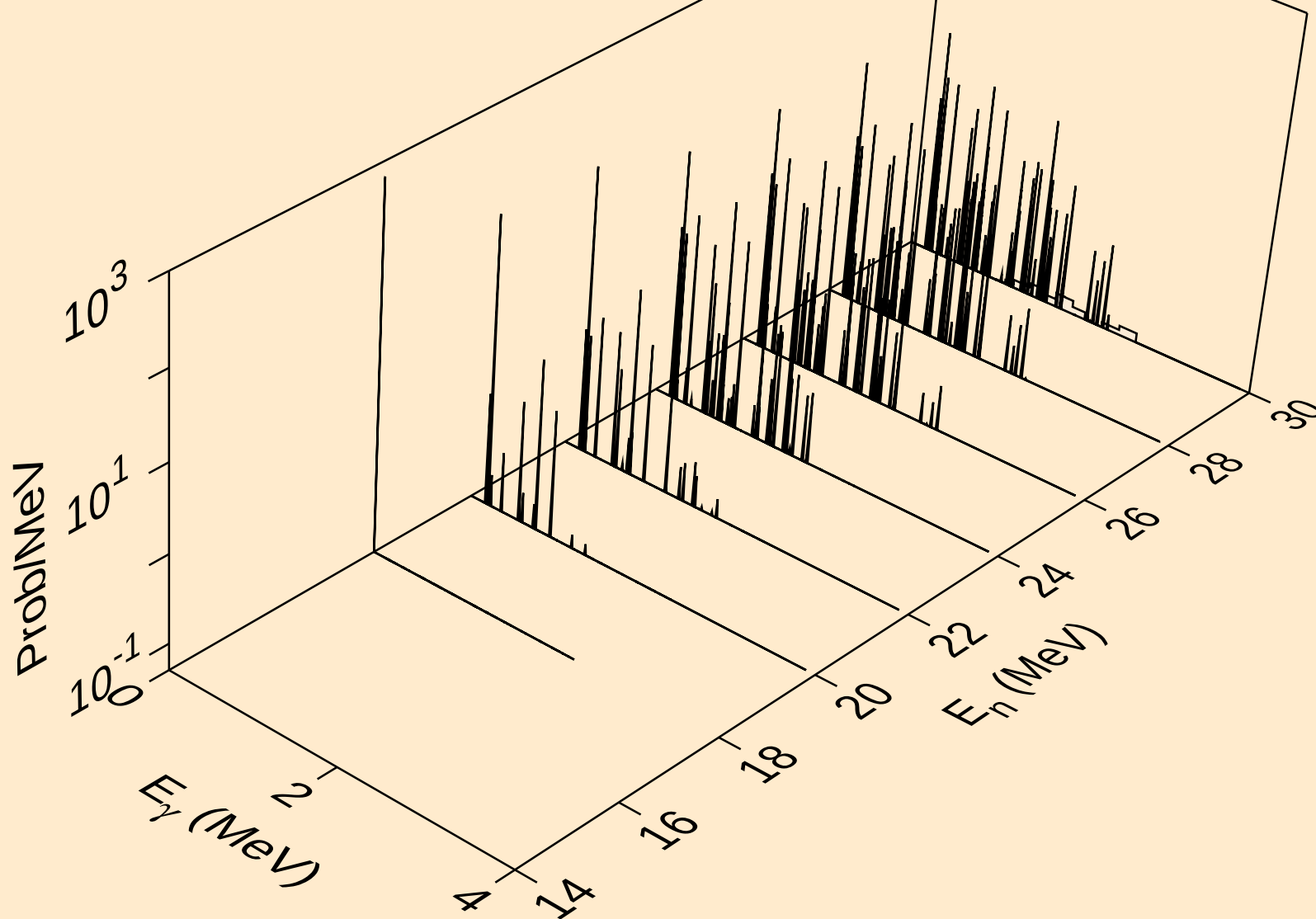


Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

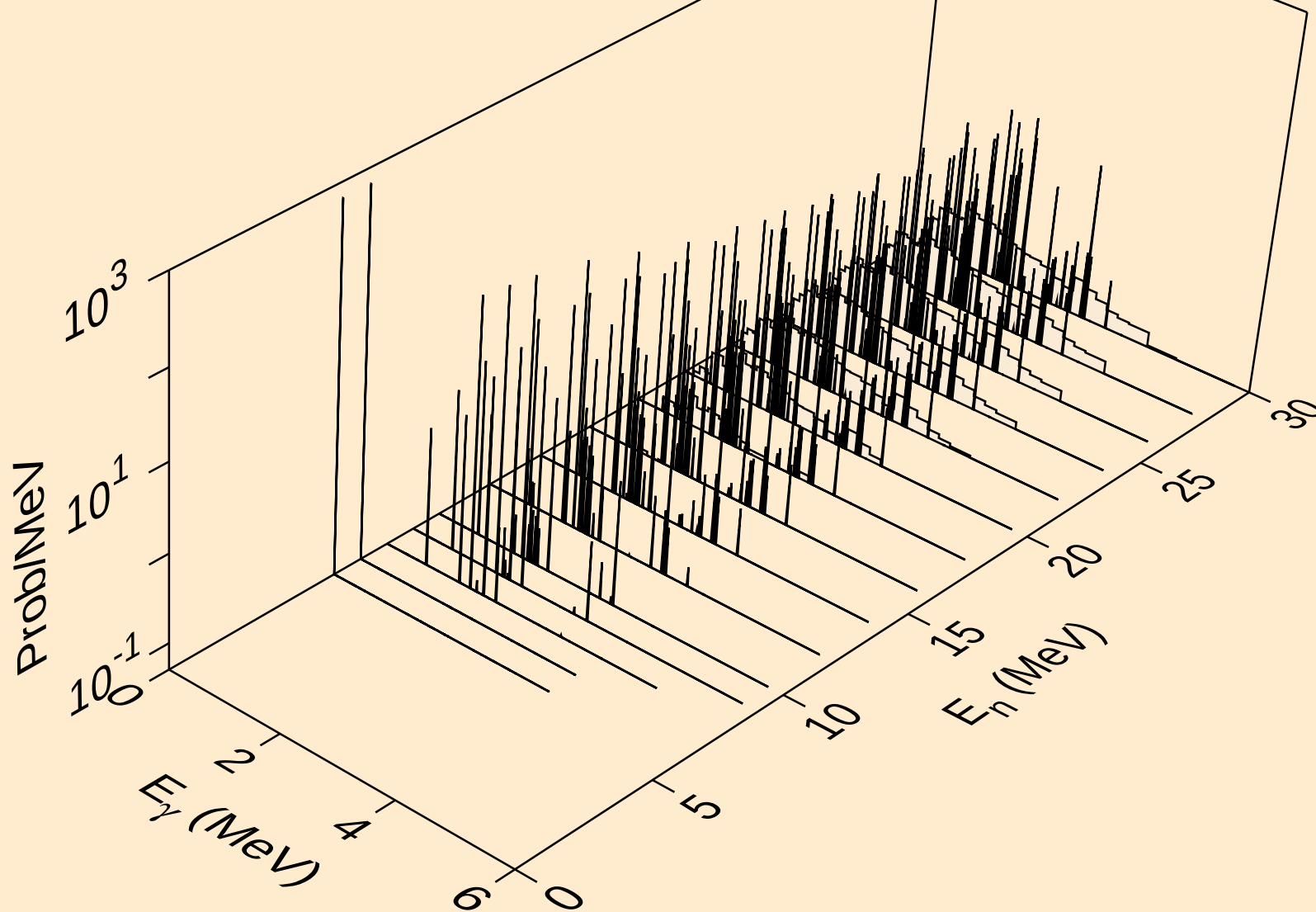
Photon emission for (n,t)



Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)

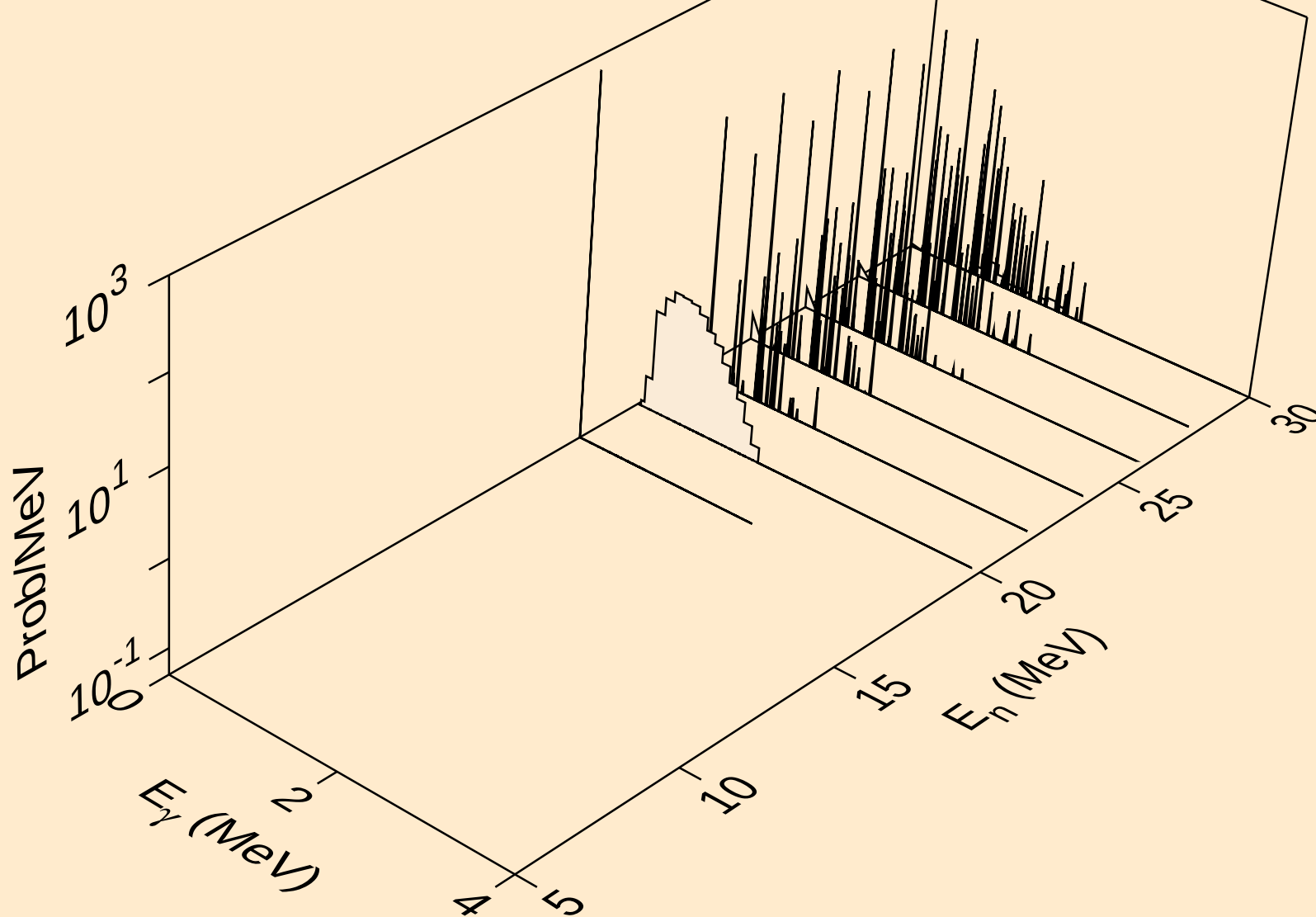


Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for inelastic



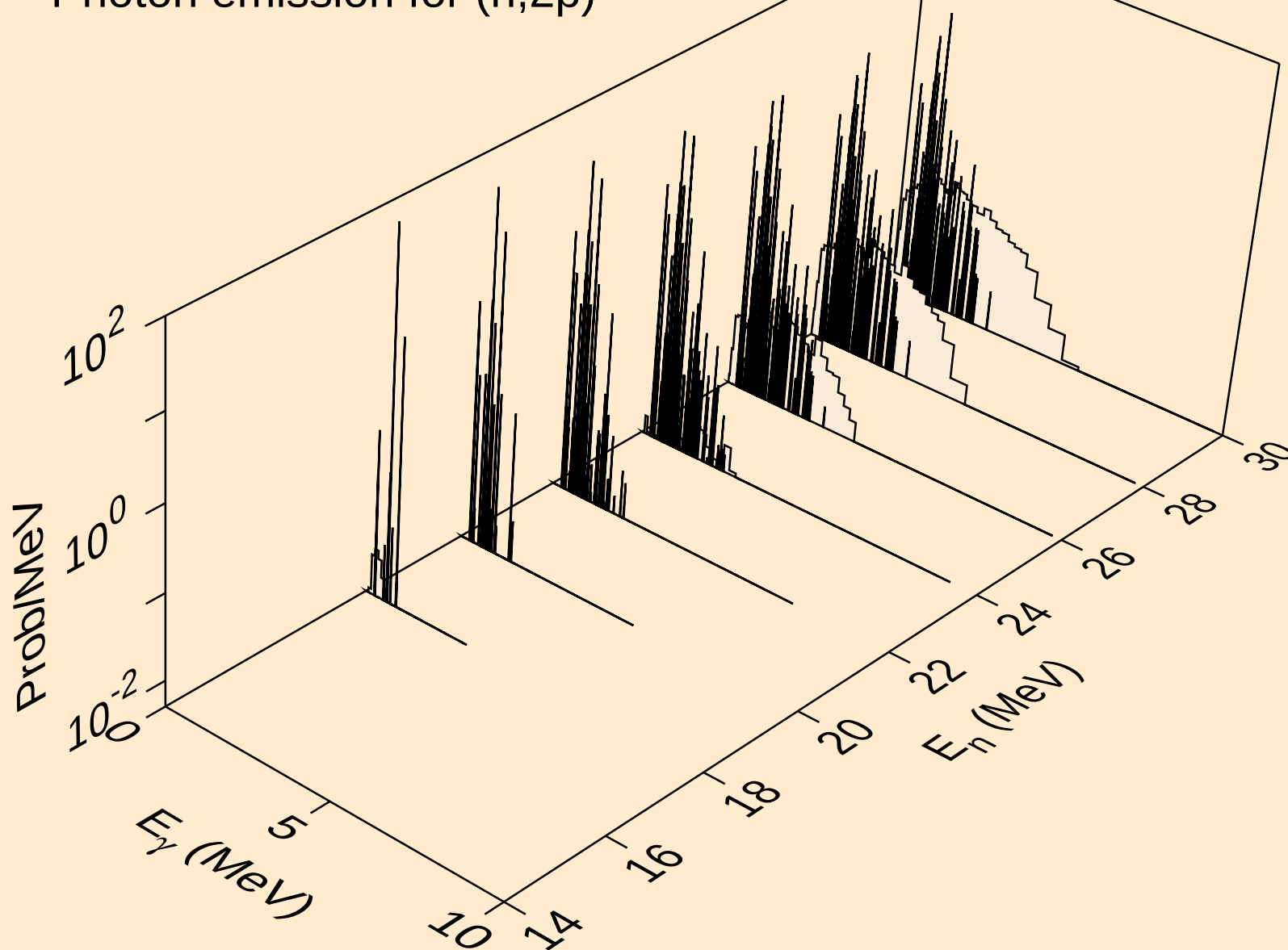


Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)

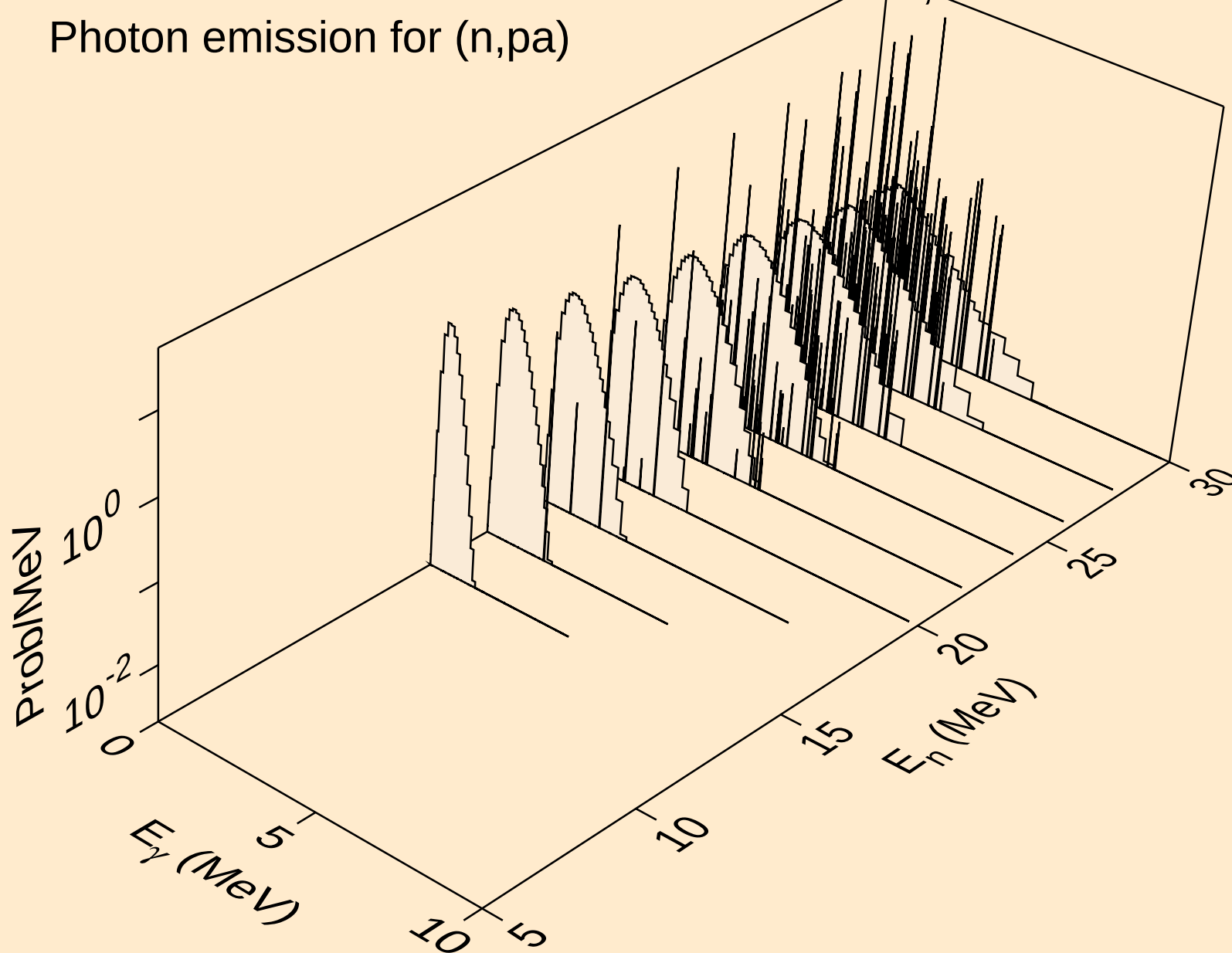


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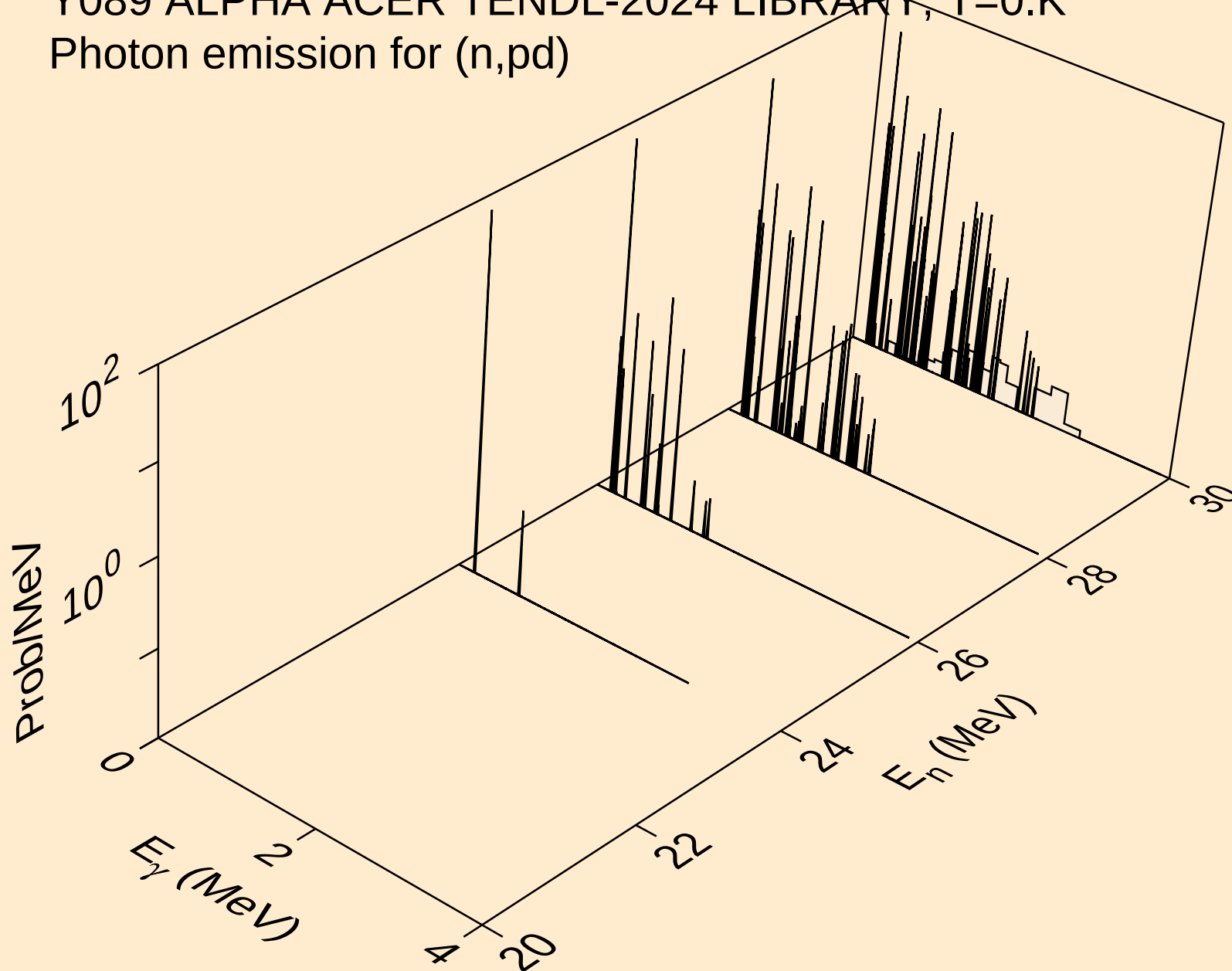
Photon emission for (n,2p)



Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pa)

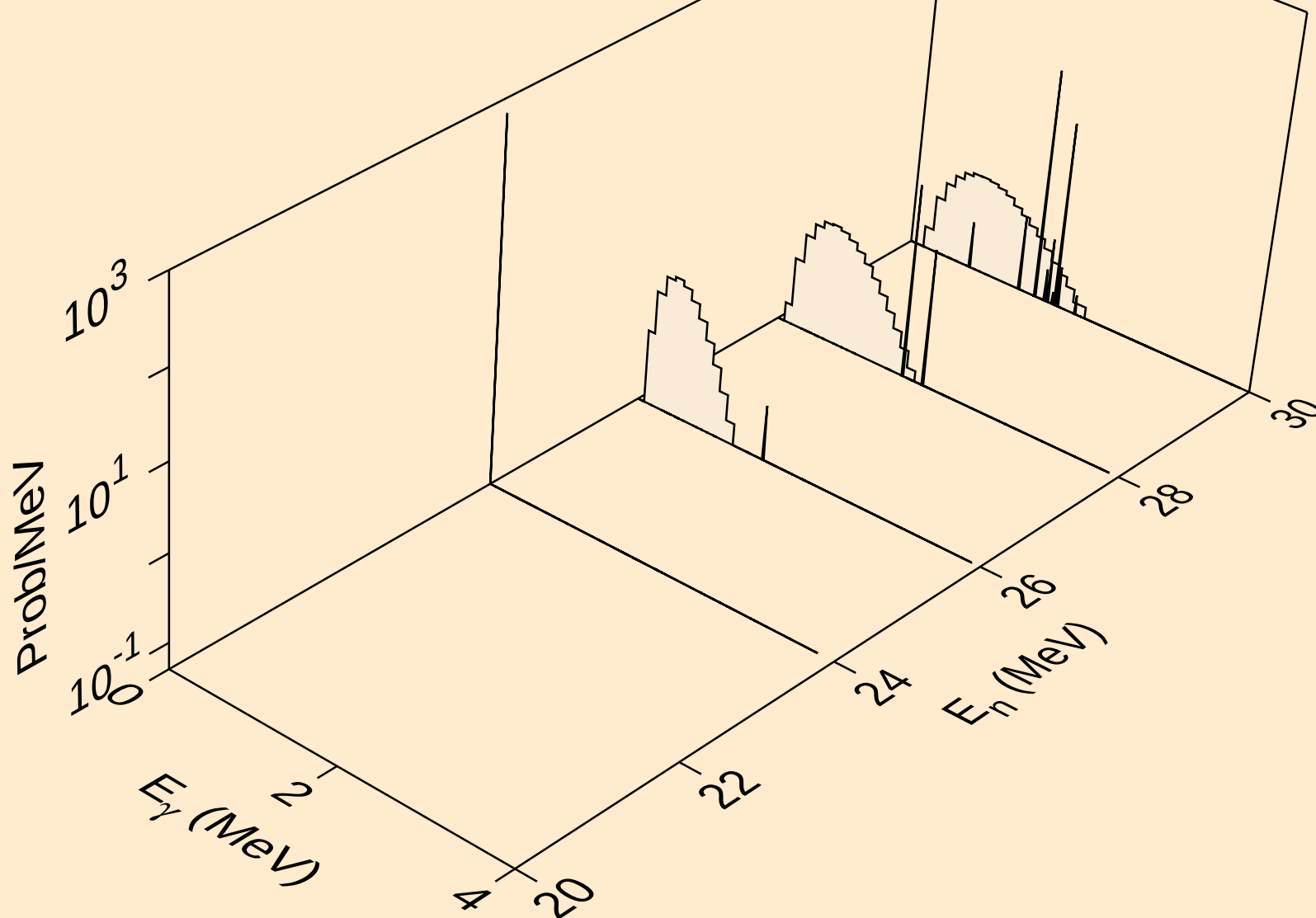


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Photon emission for (n,pd)



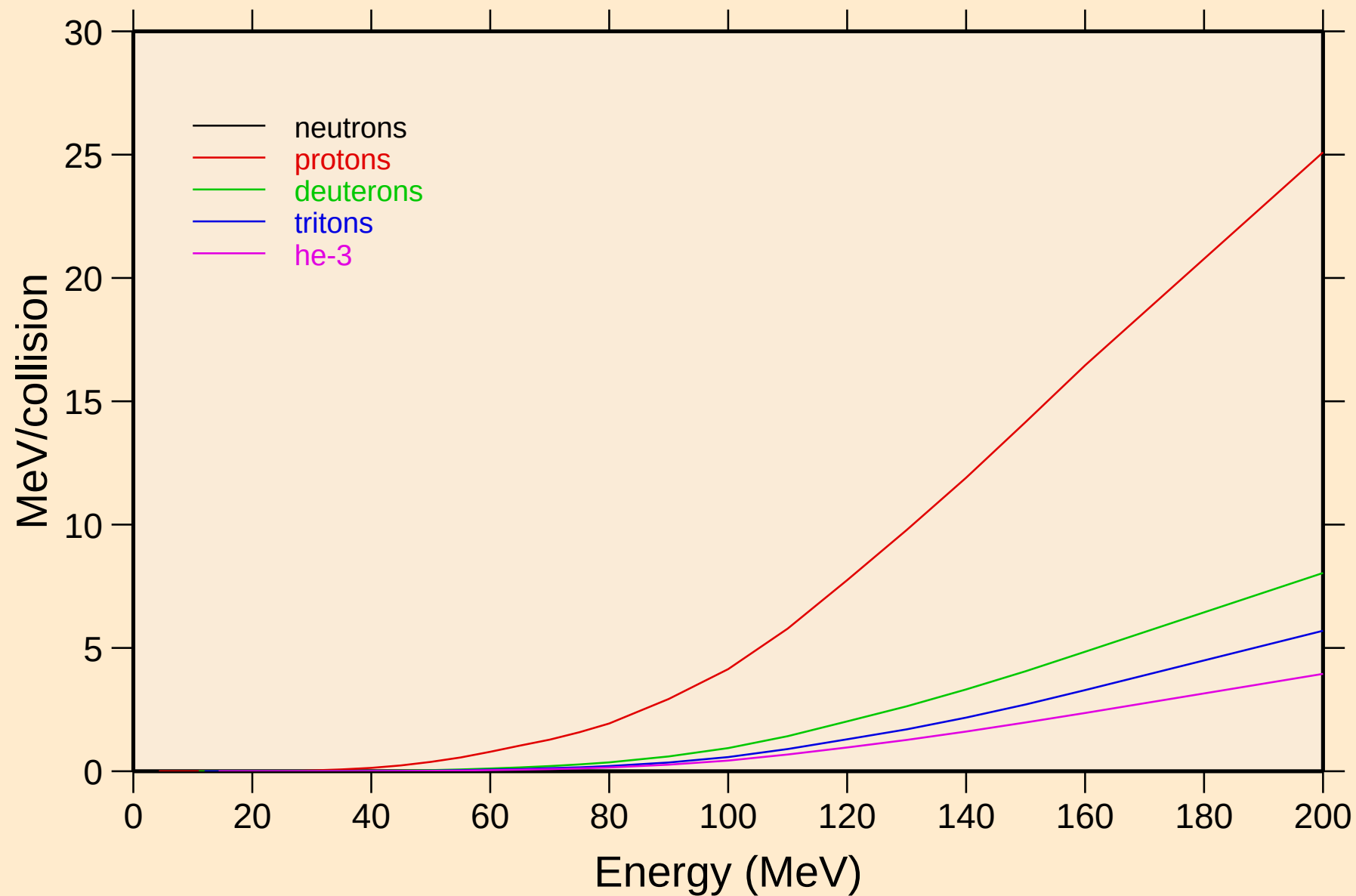
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Photon emission for (n,pt)



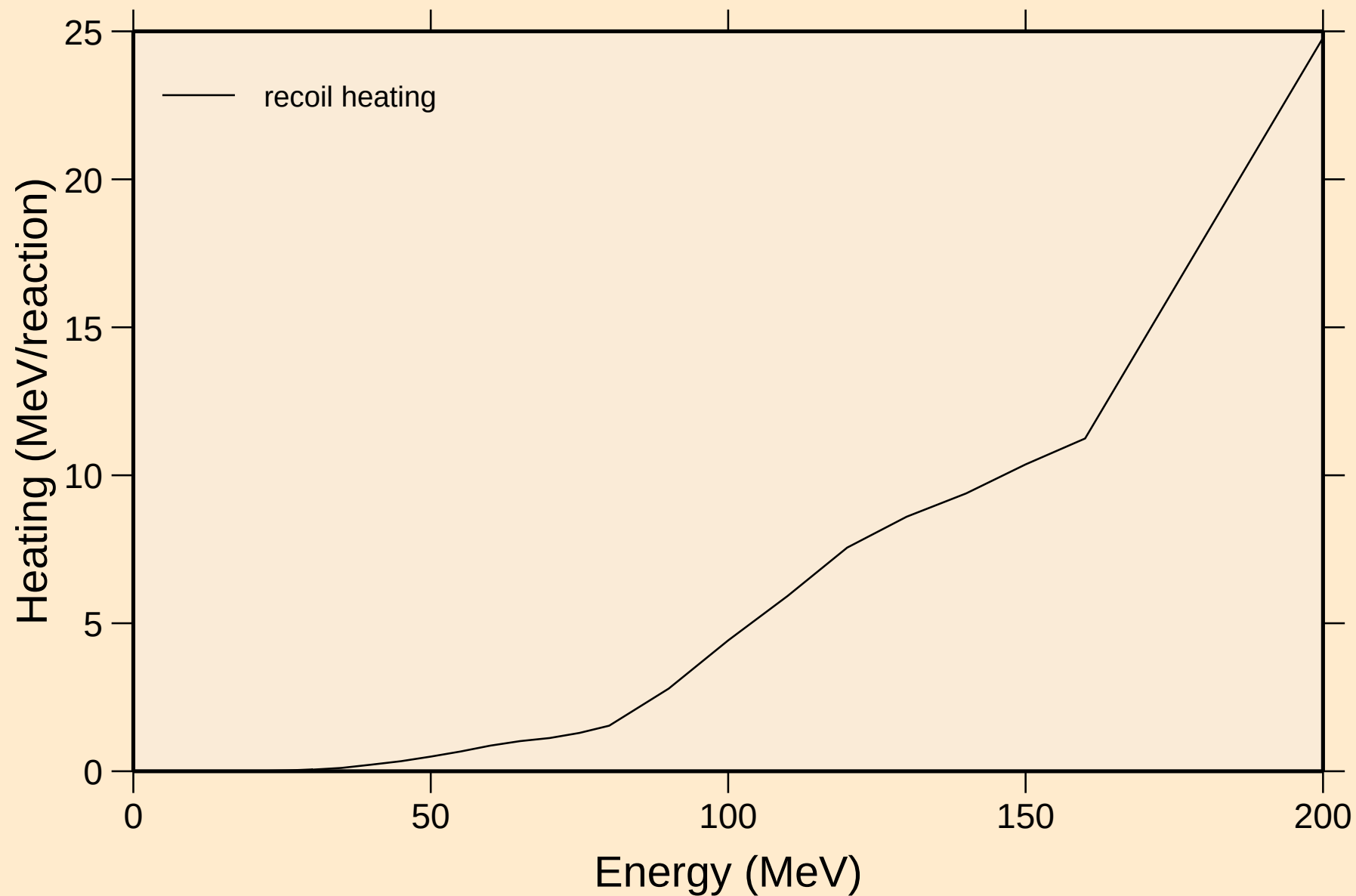
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## Particle heating contributions



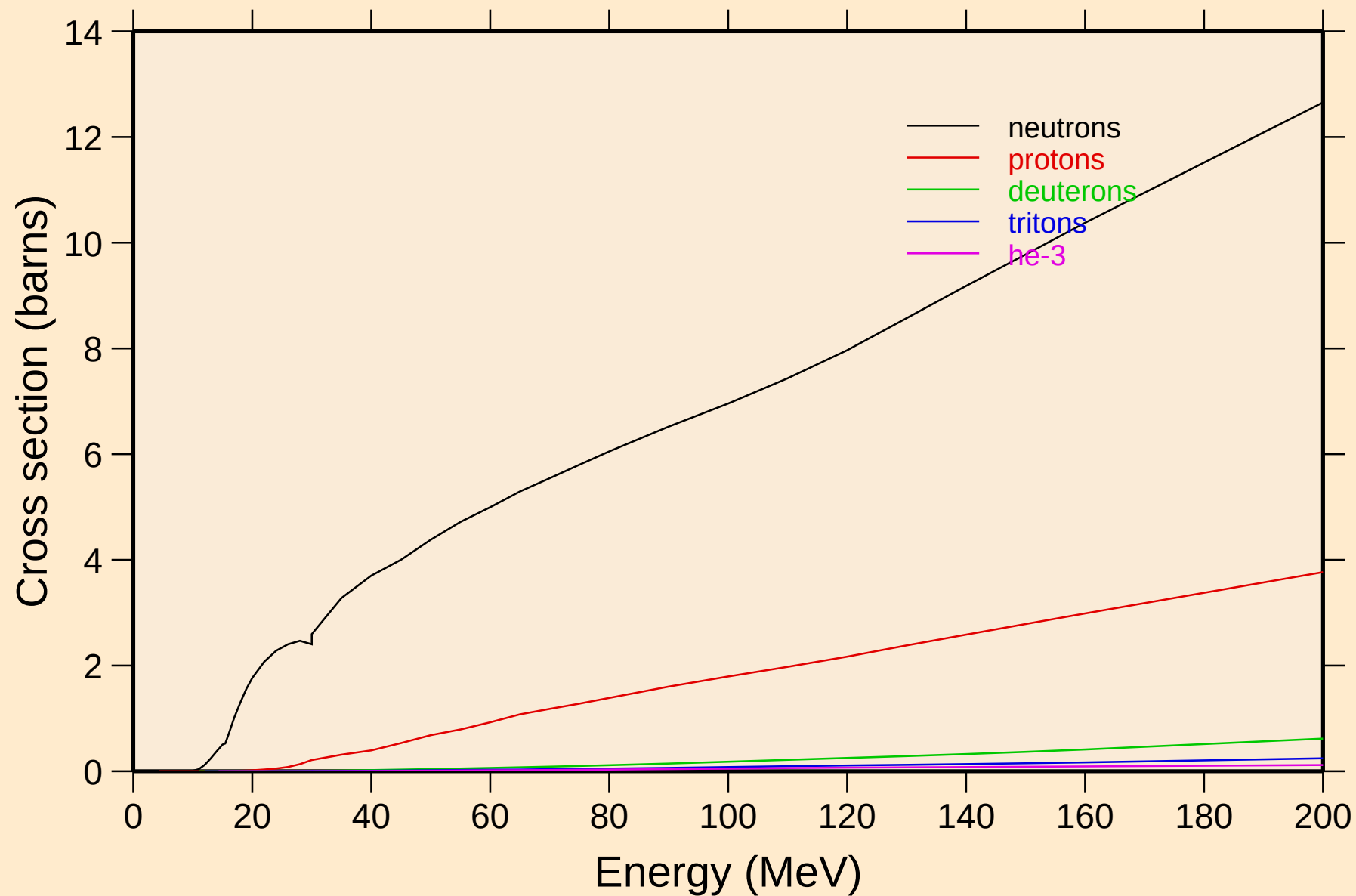
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Recoil Heating



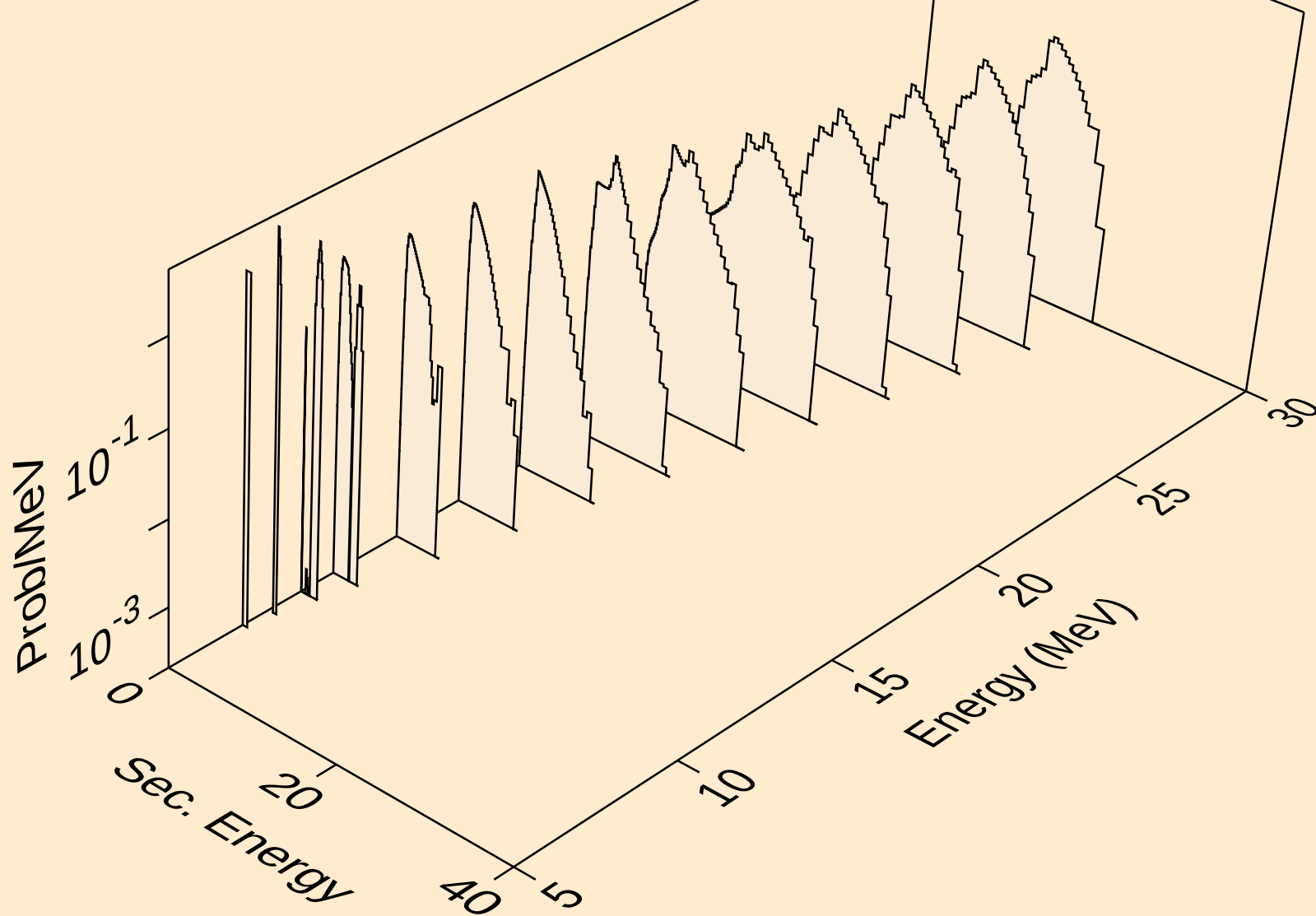
Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Particle production cross sections

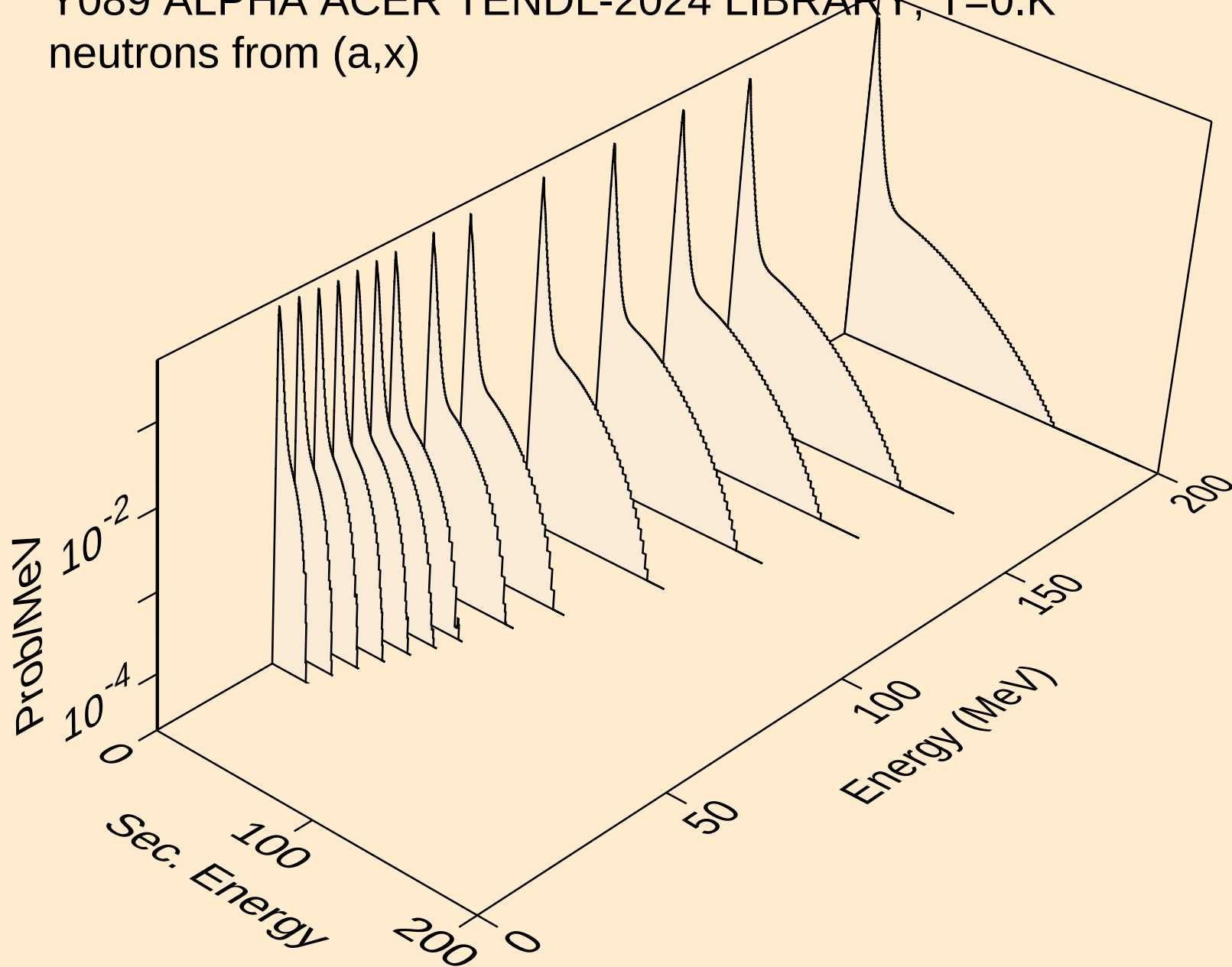




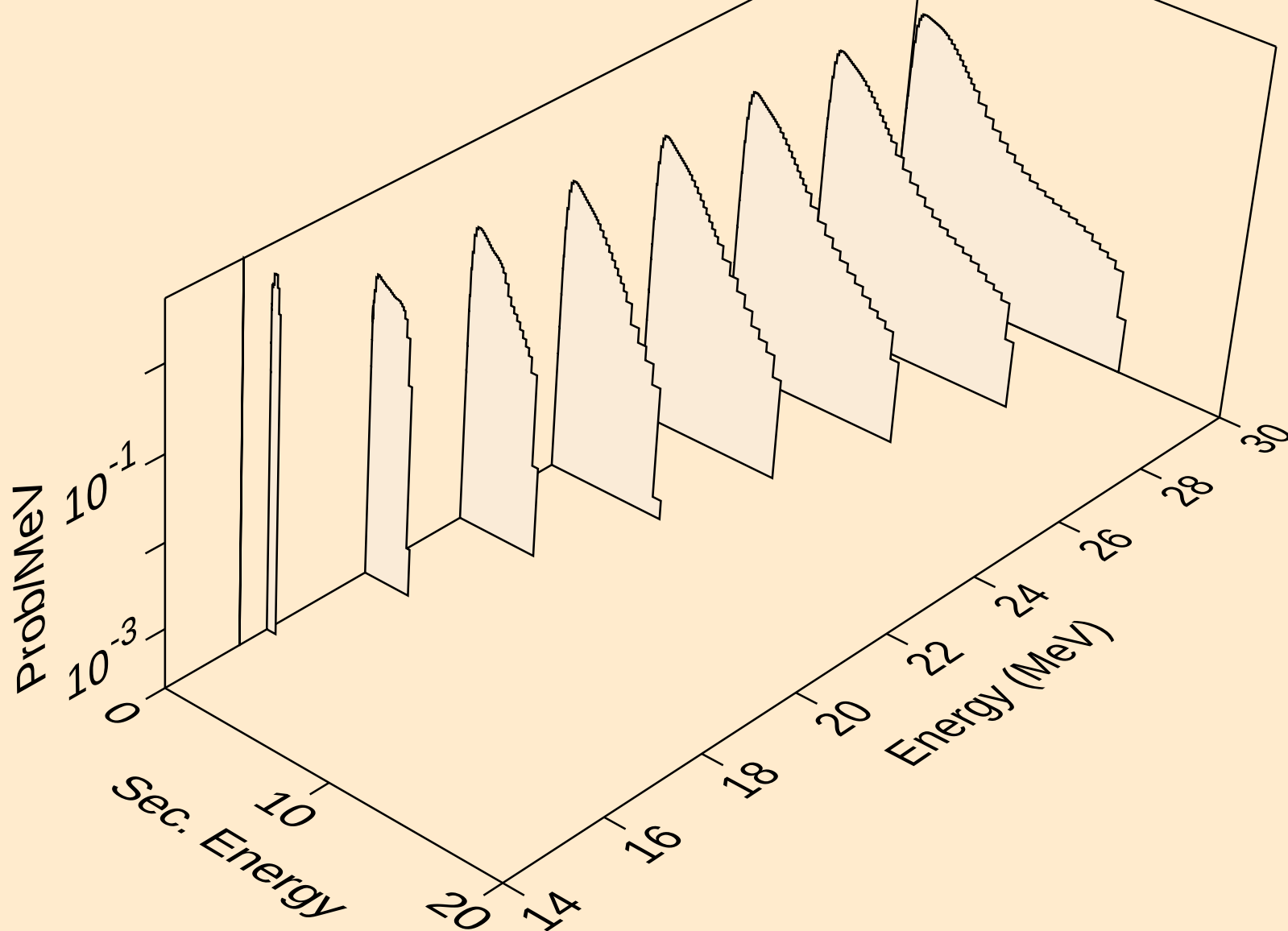
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neutrons from (a,n)



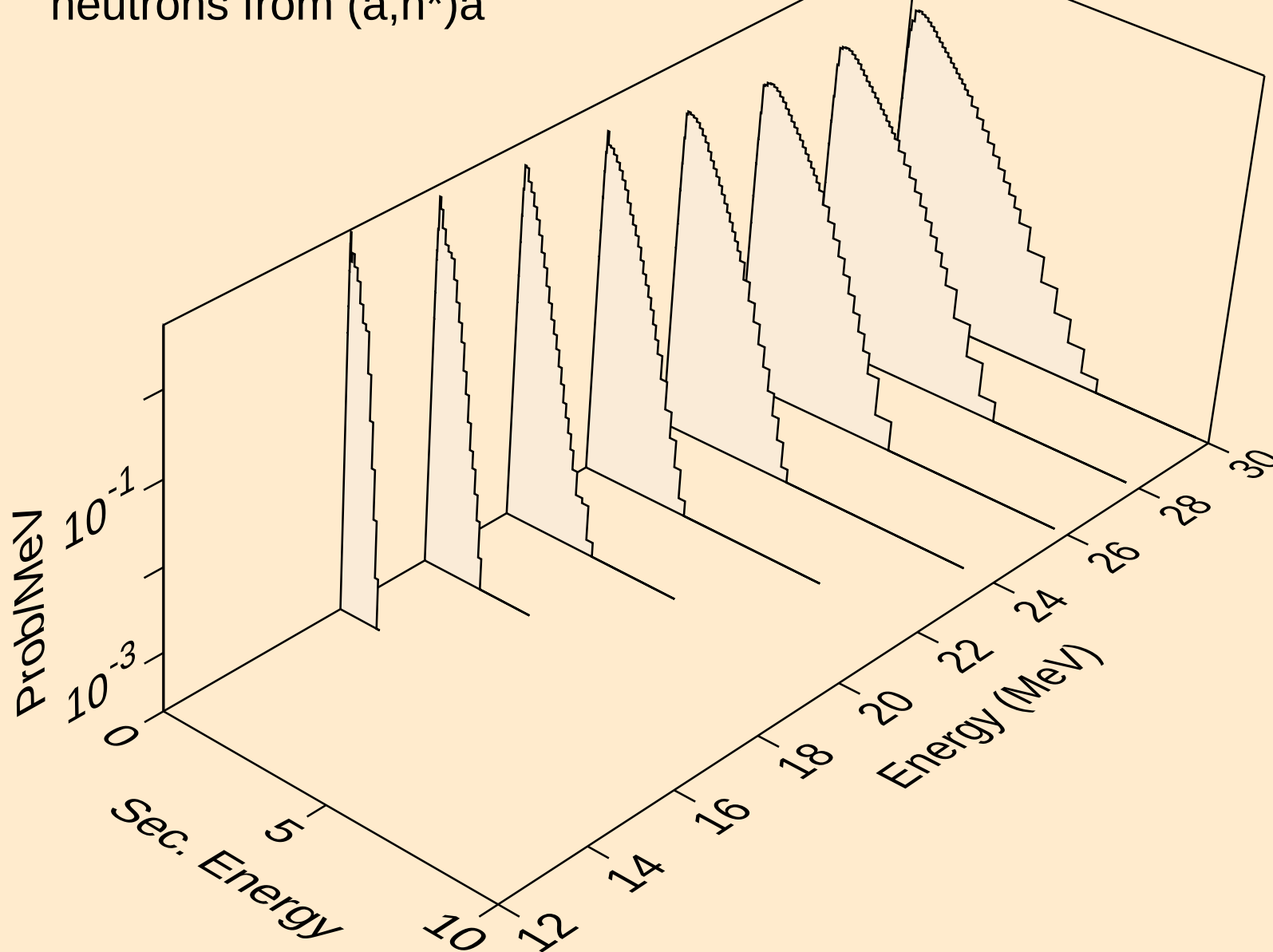
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neutrons from (a,x)



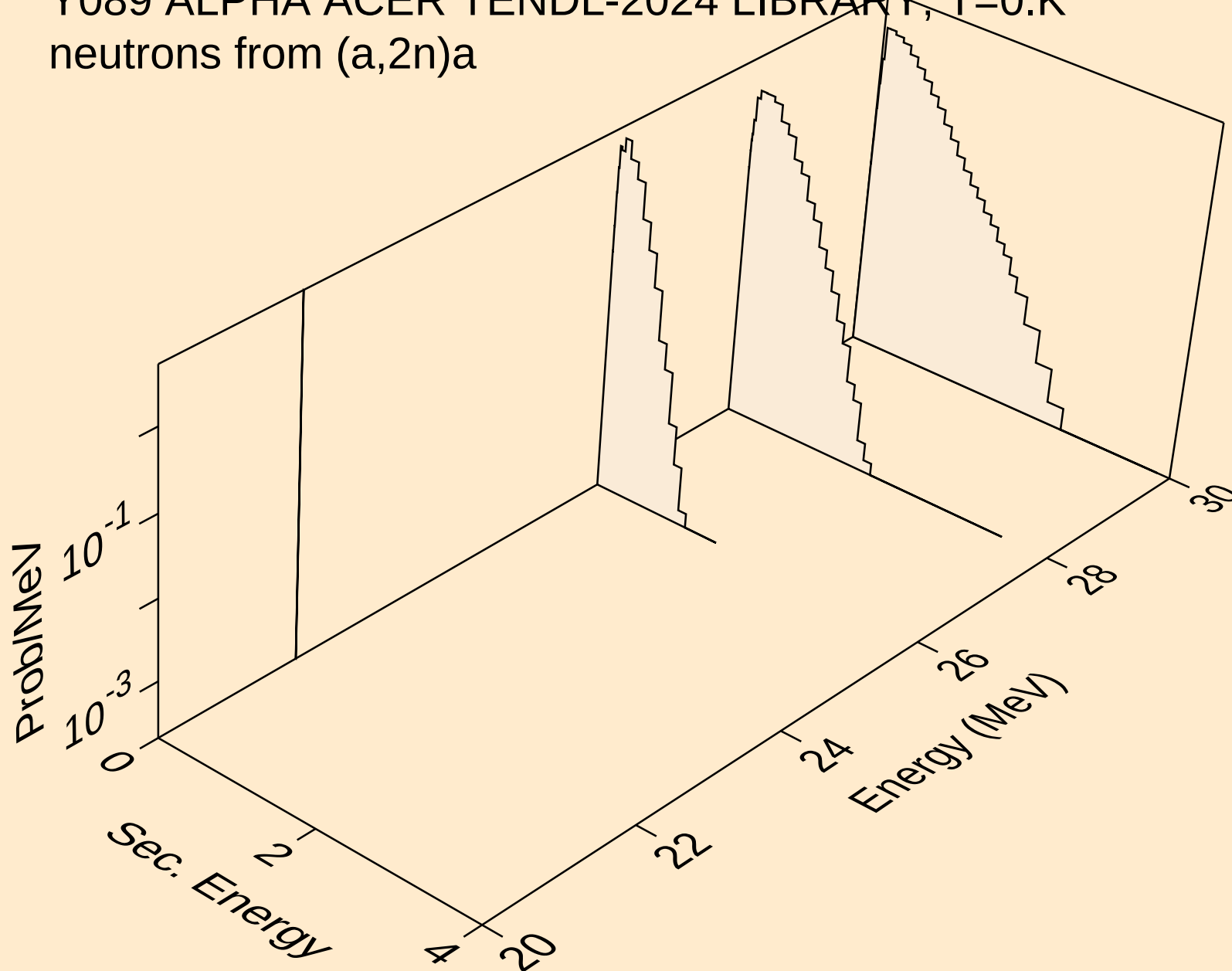
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neutrons from (a,2n)



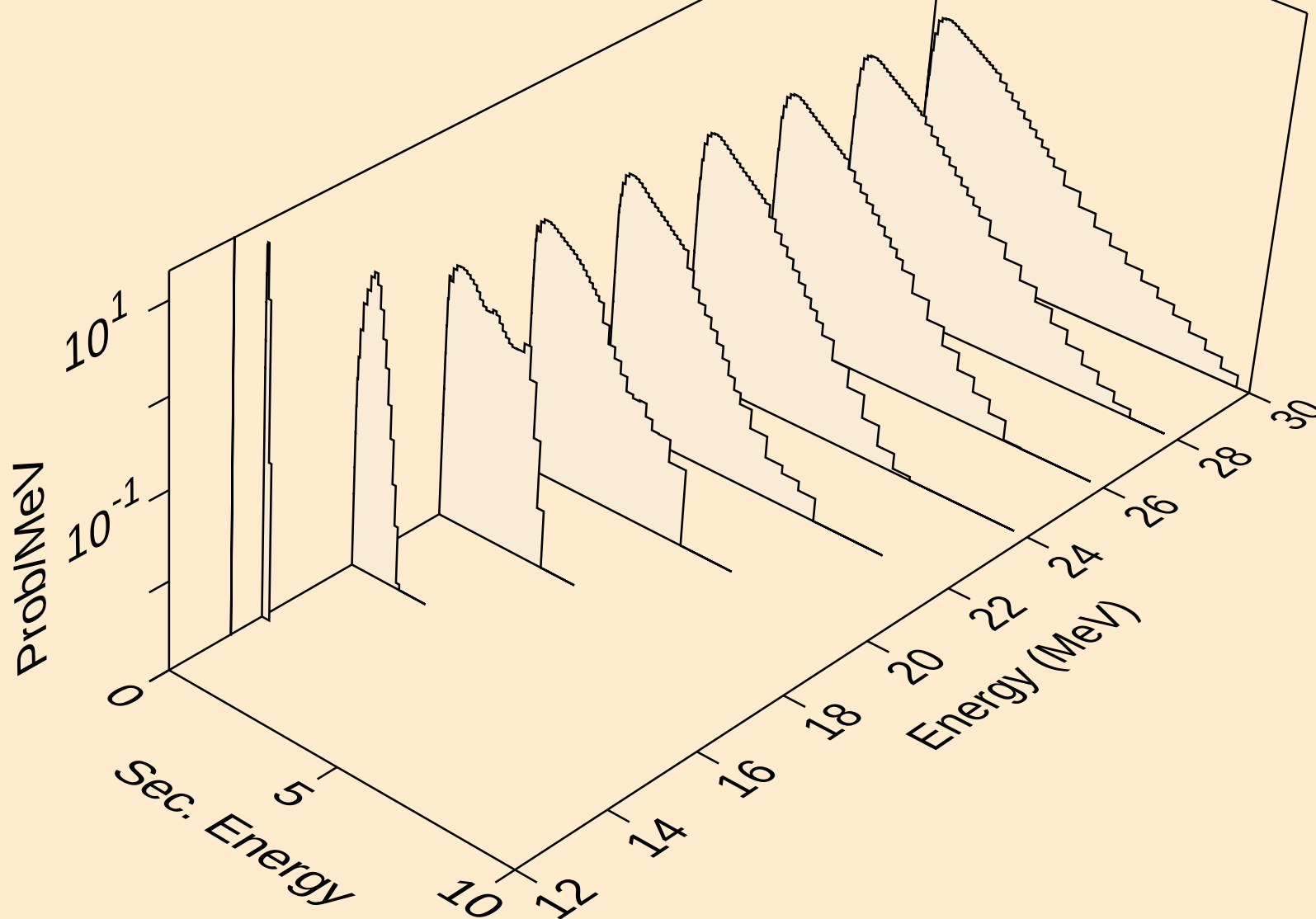
Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n\*)a



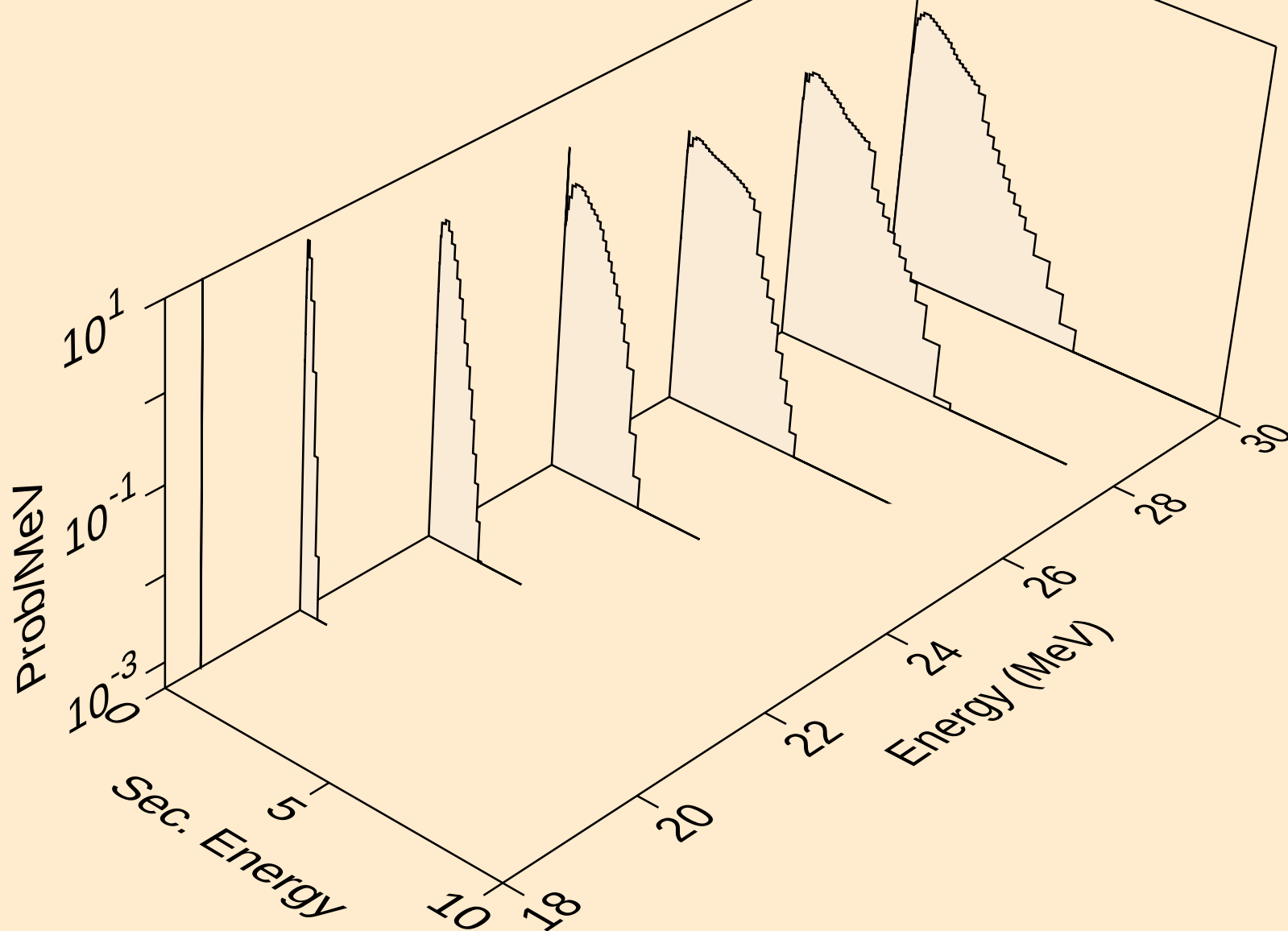
Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,2n)a



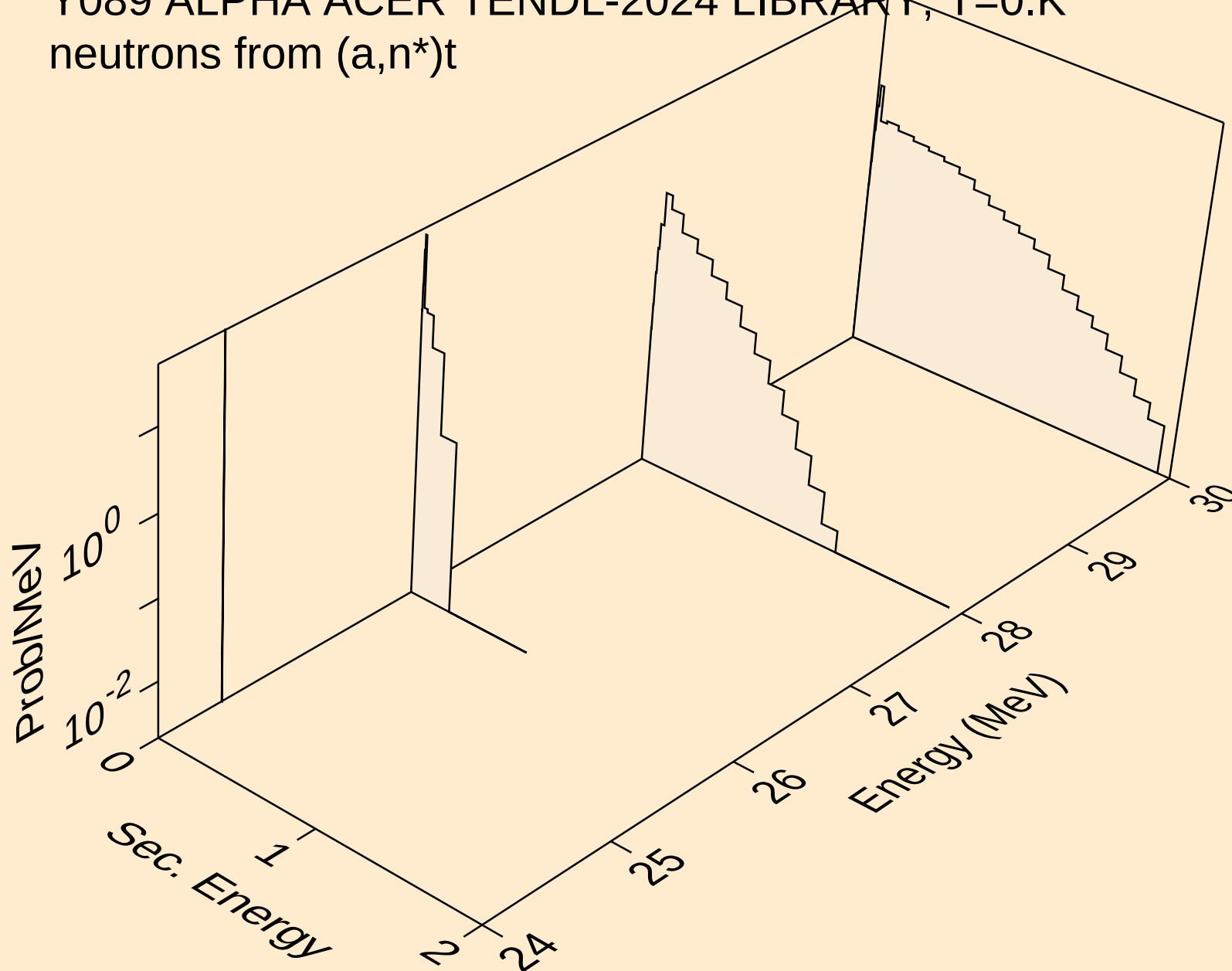
Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n\*)p



Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n\*)d

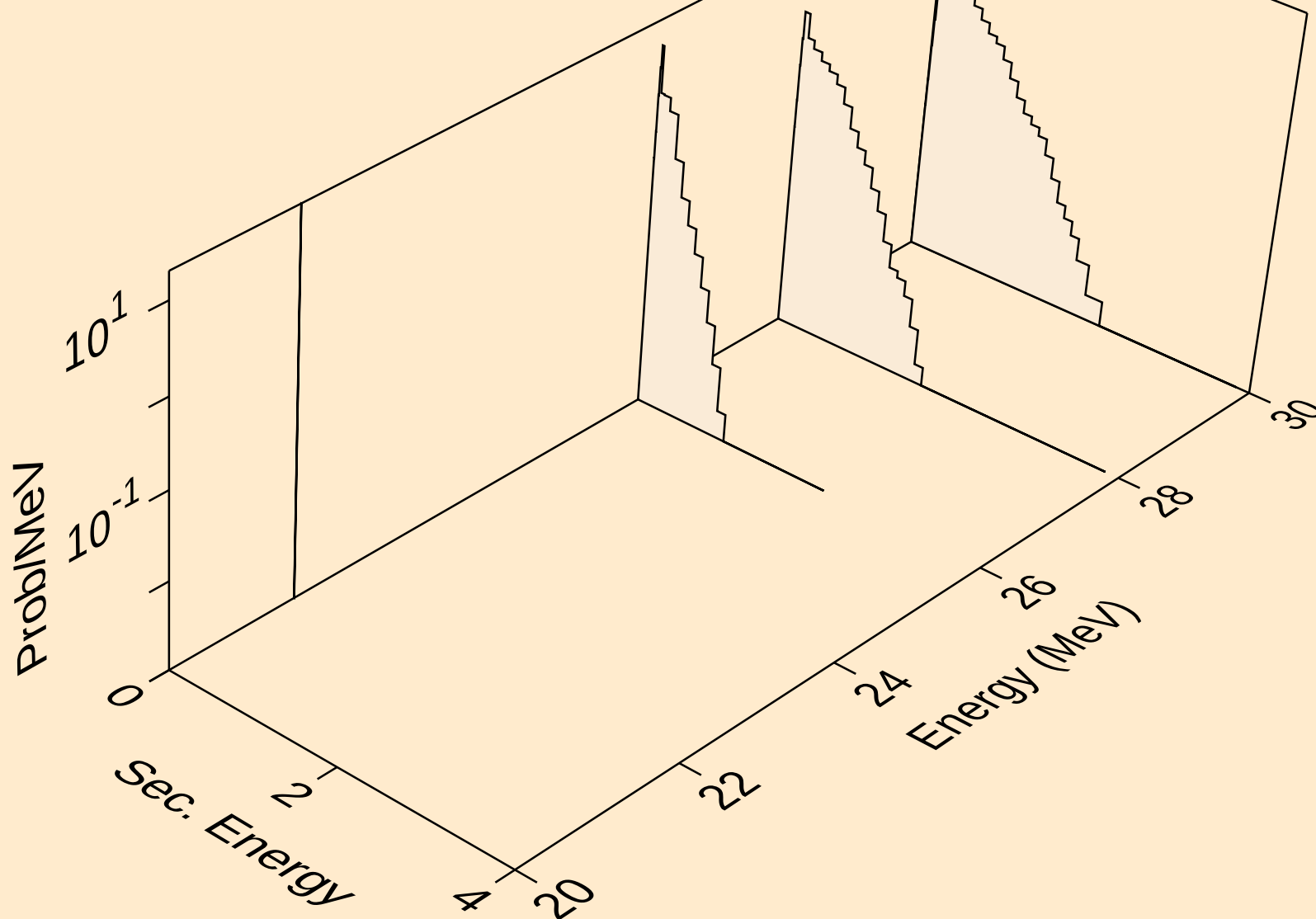


Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n\*)t

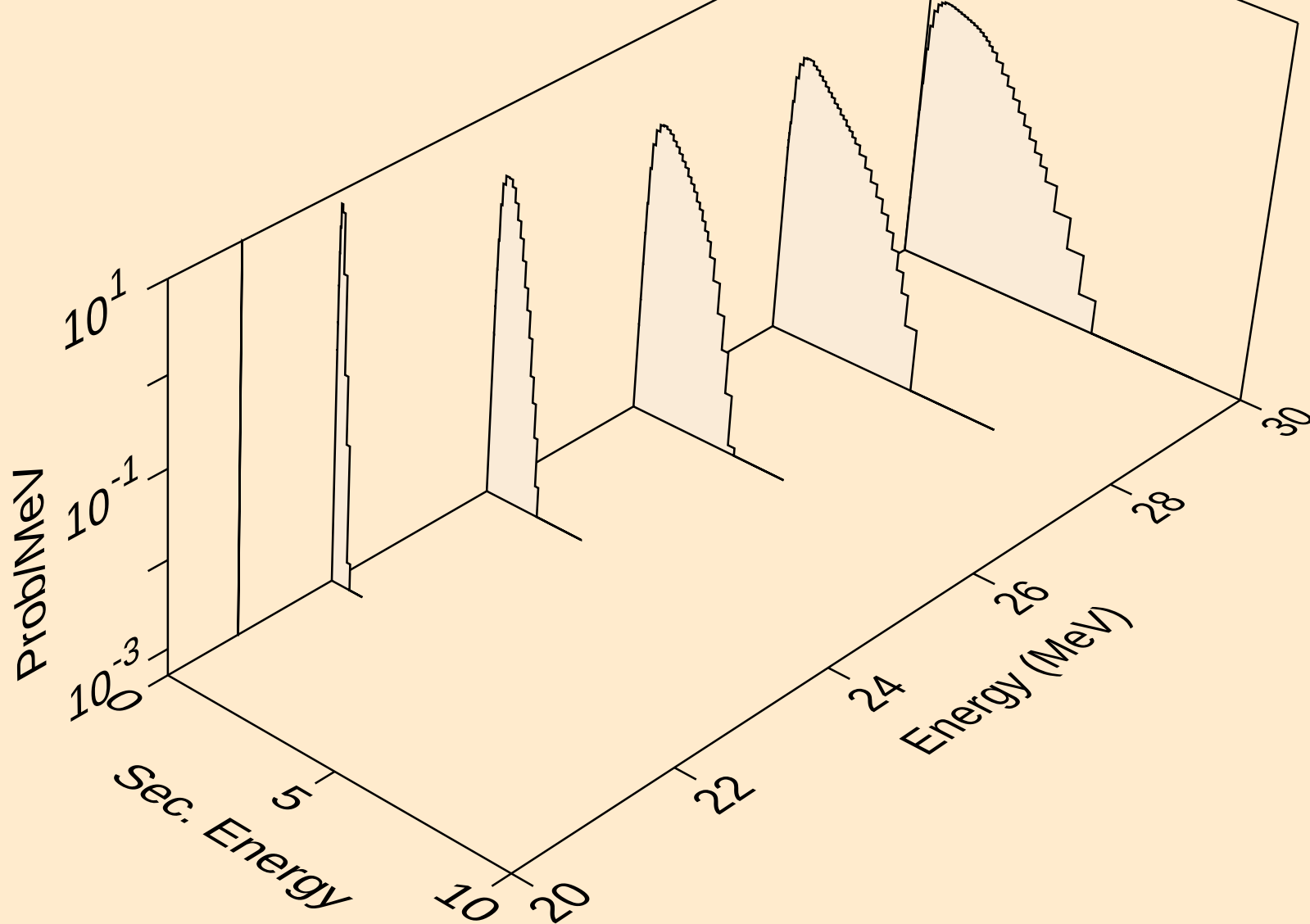




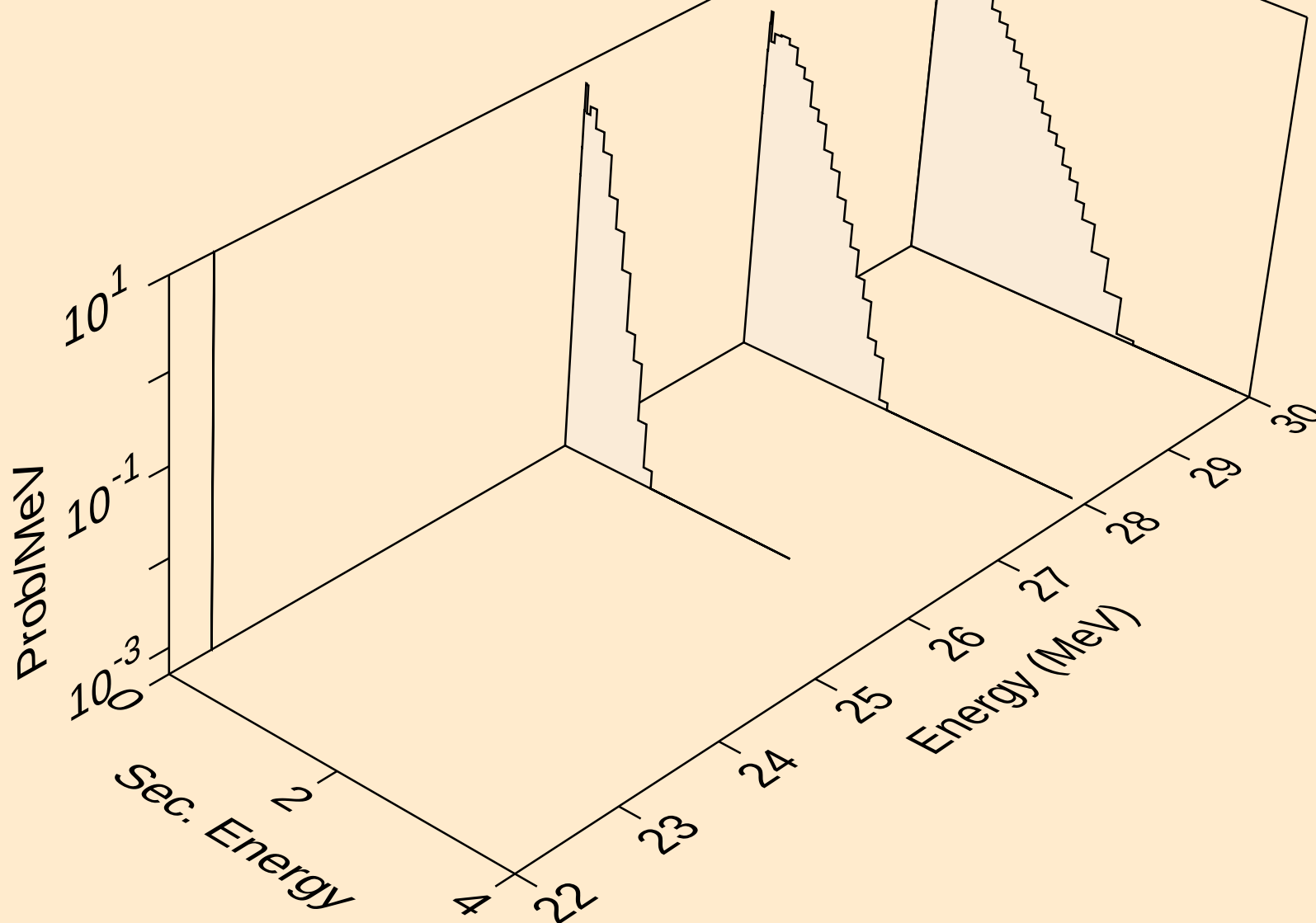
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neutrons from (a,n\*)he3



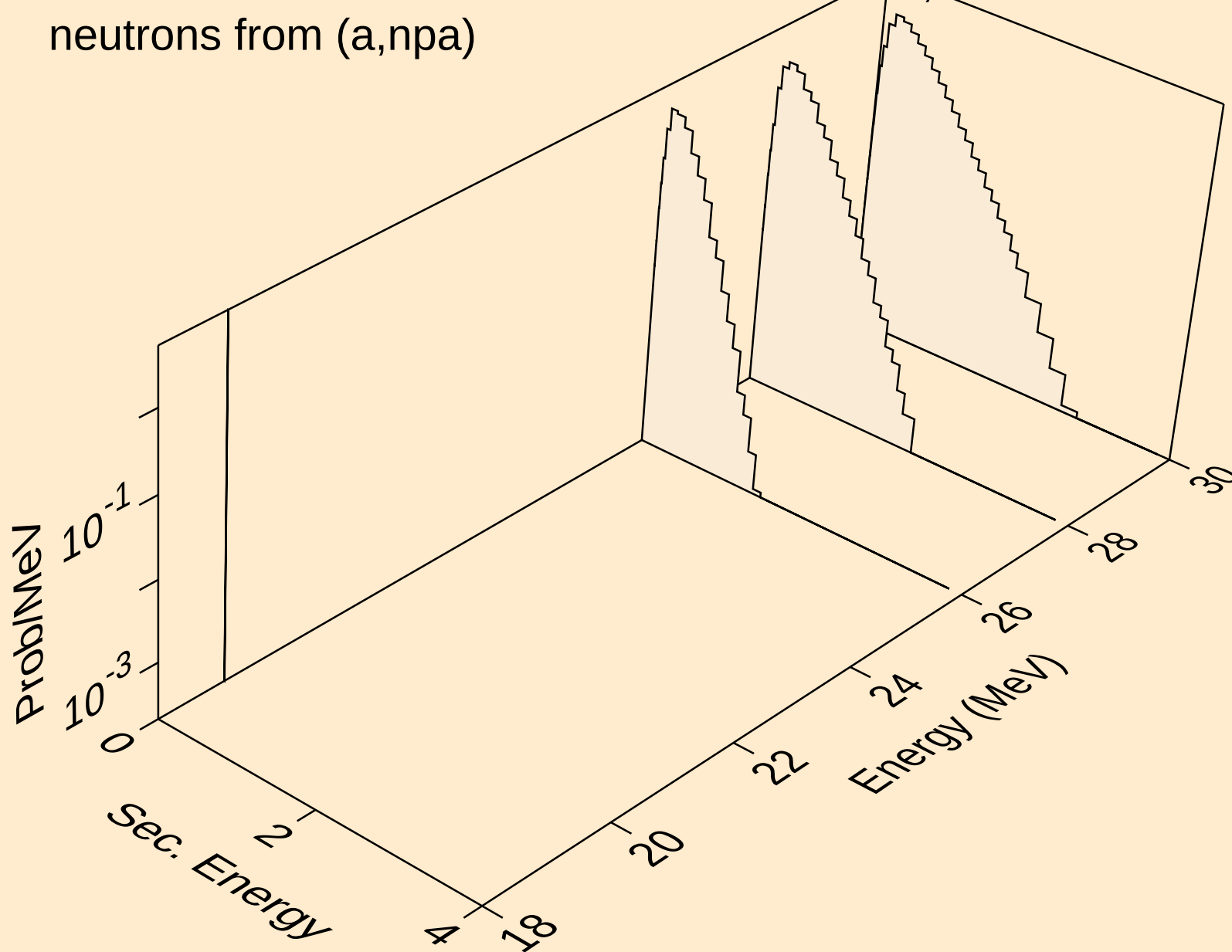
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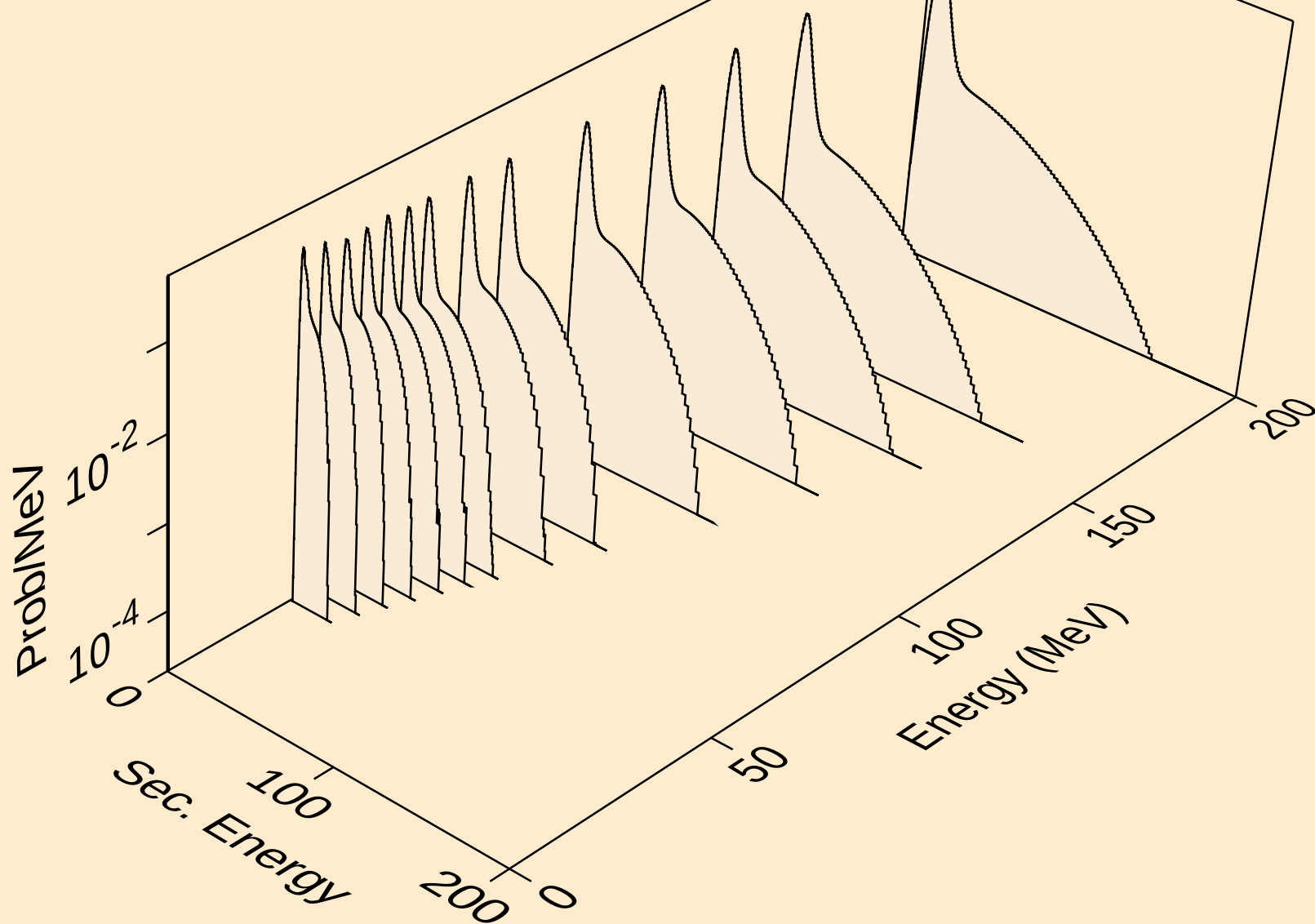
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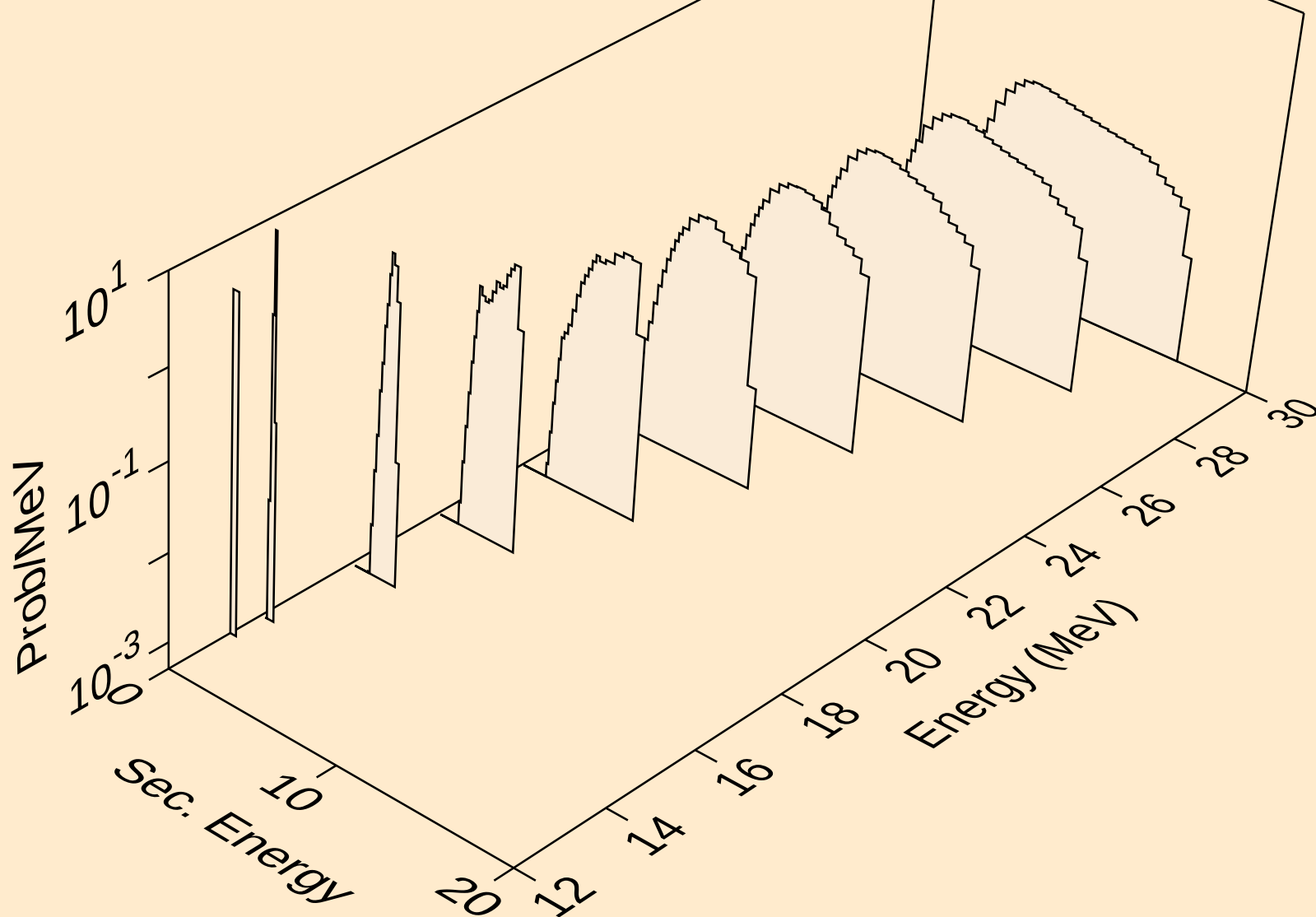
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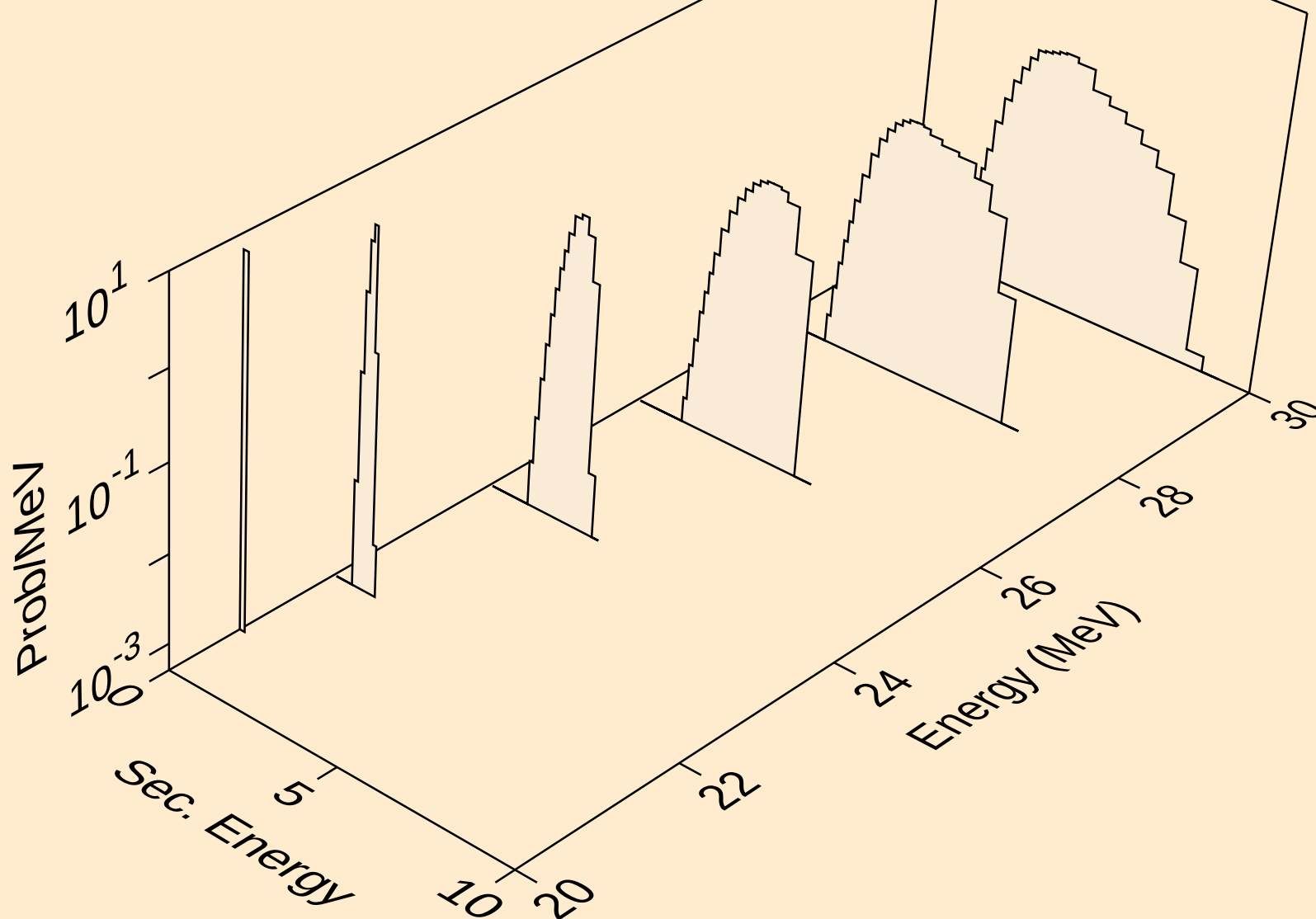
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protons from (a,x)



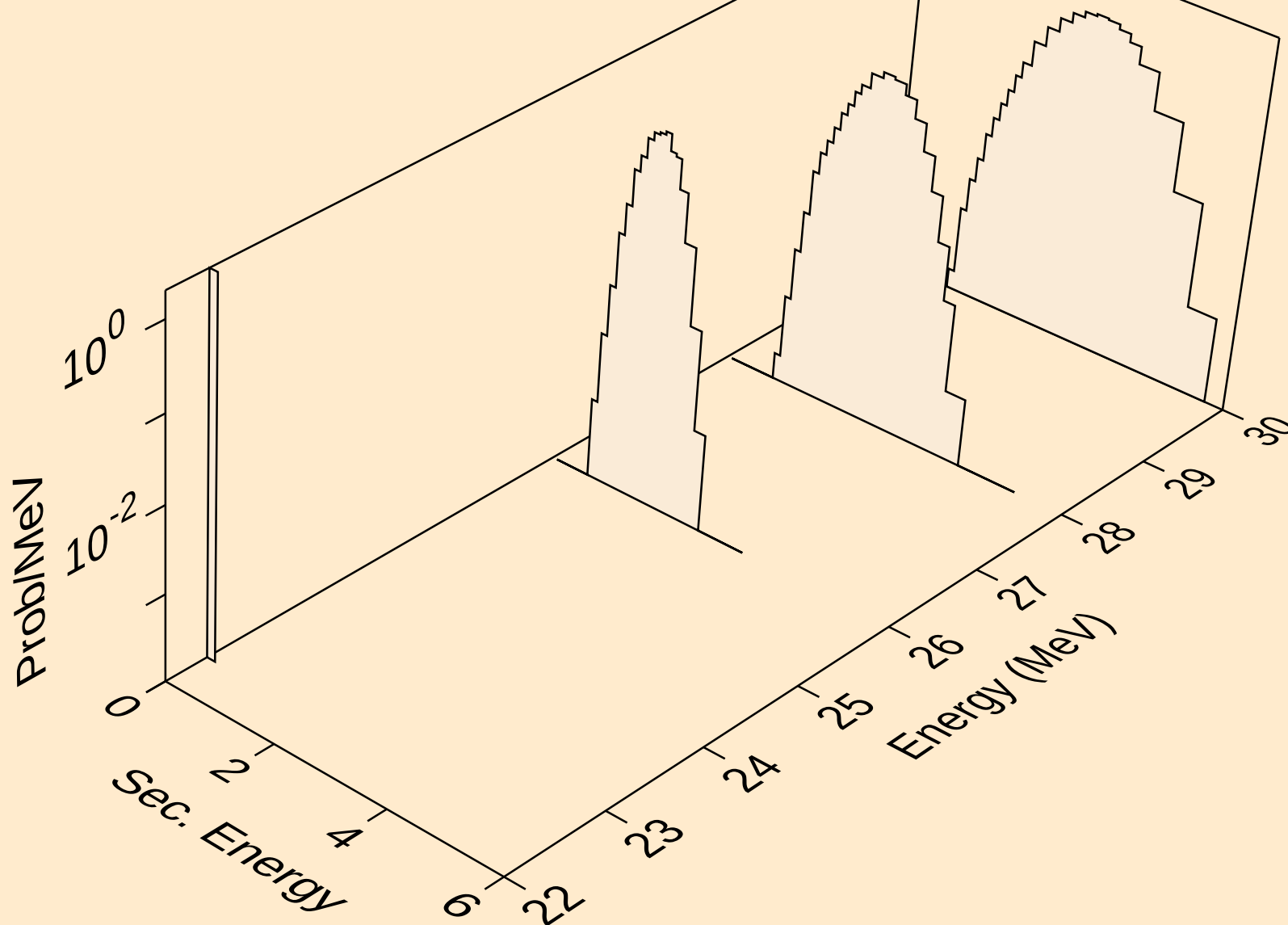
Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
protons from (a,n\*)p



Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
protons from (a,2np)

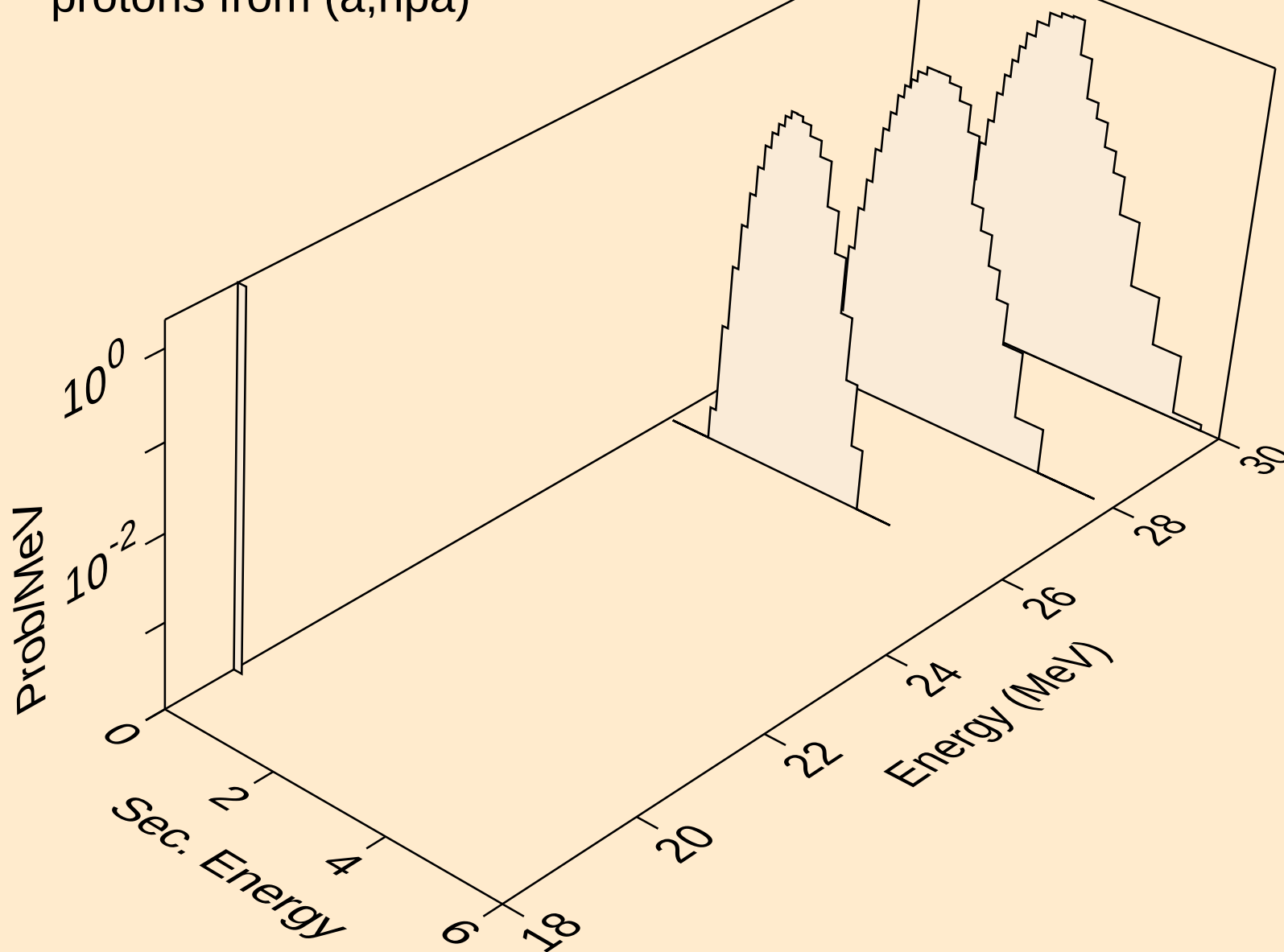


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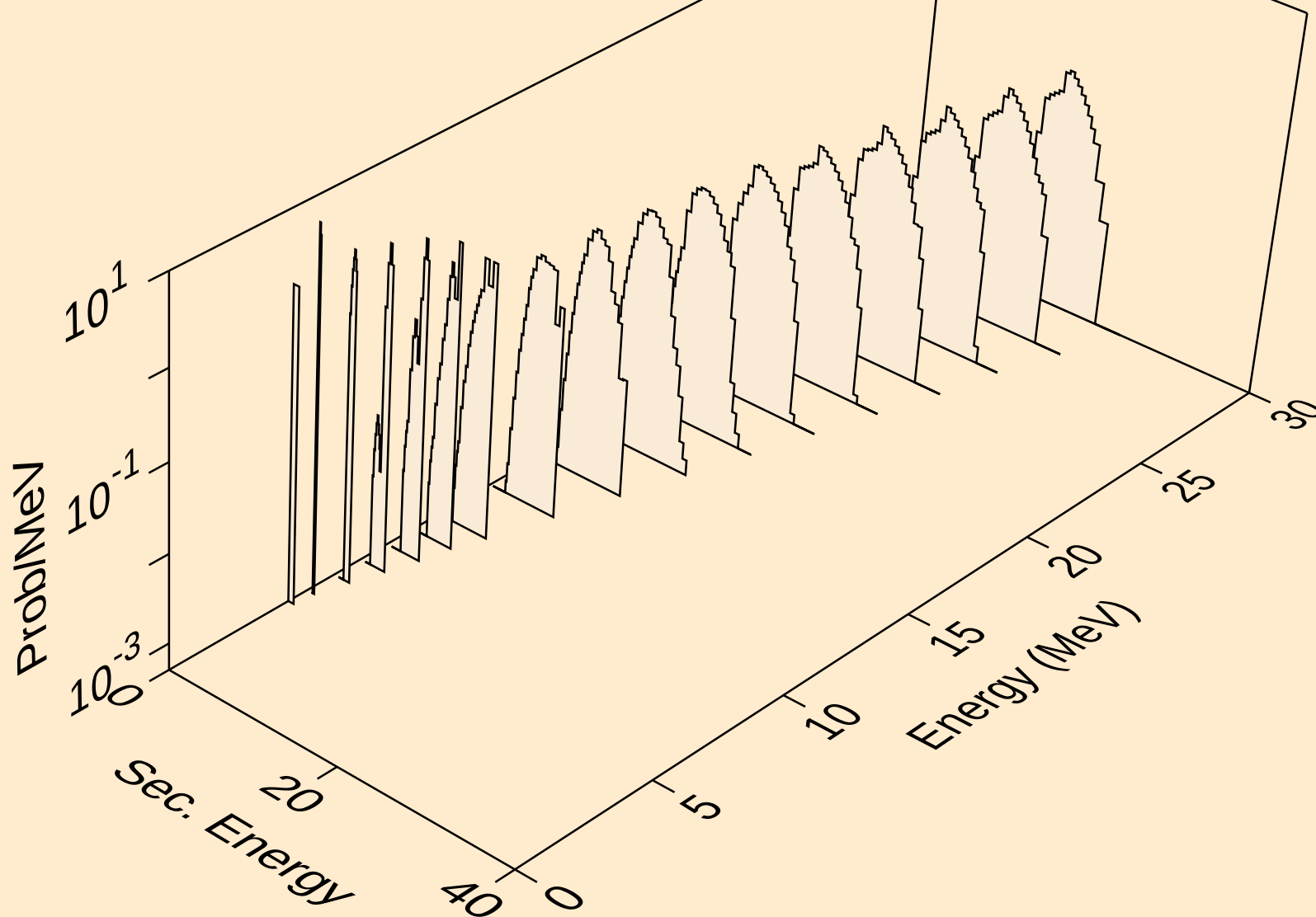




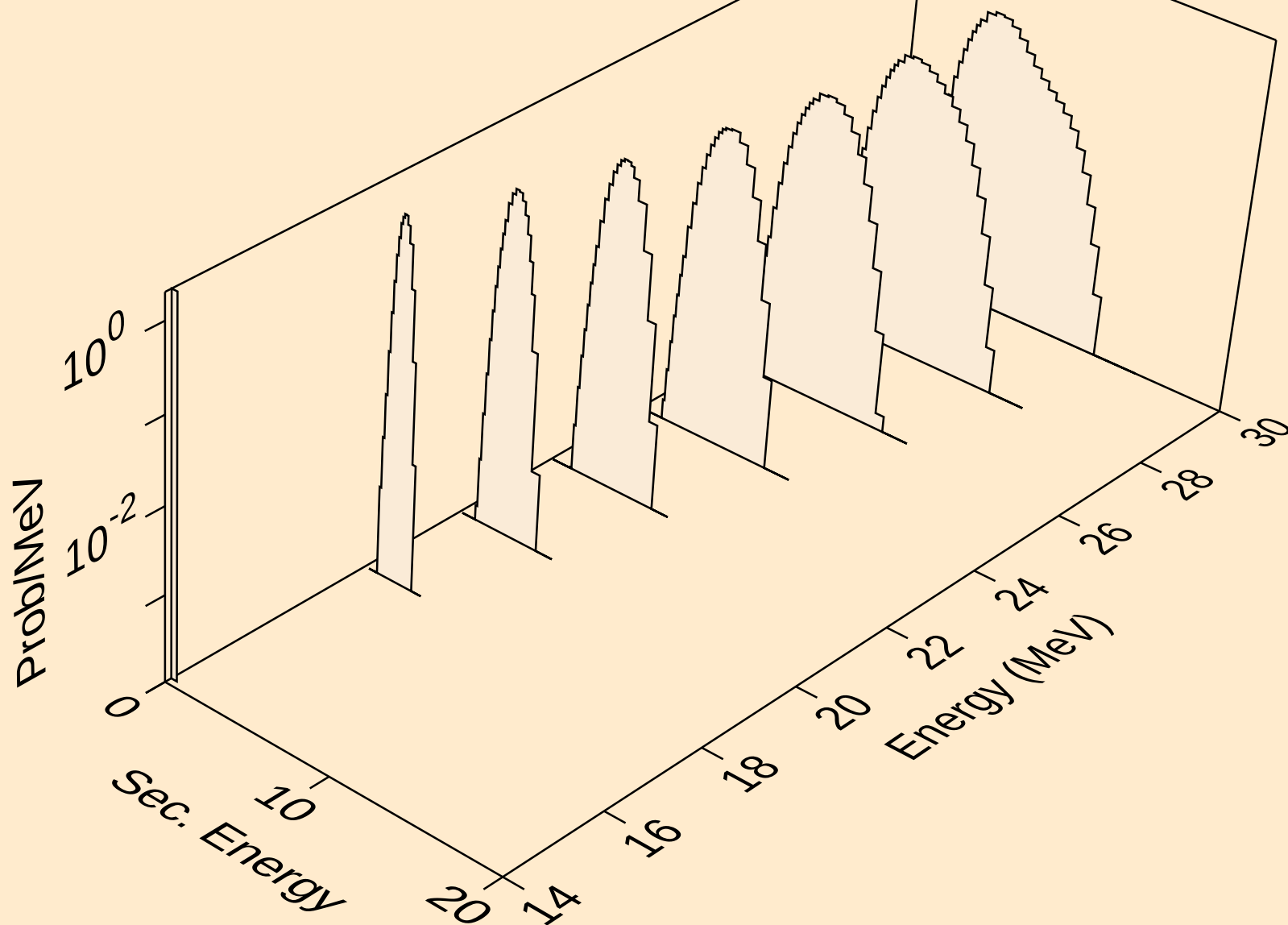
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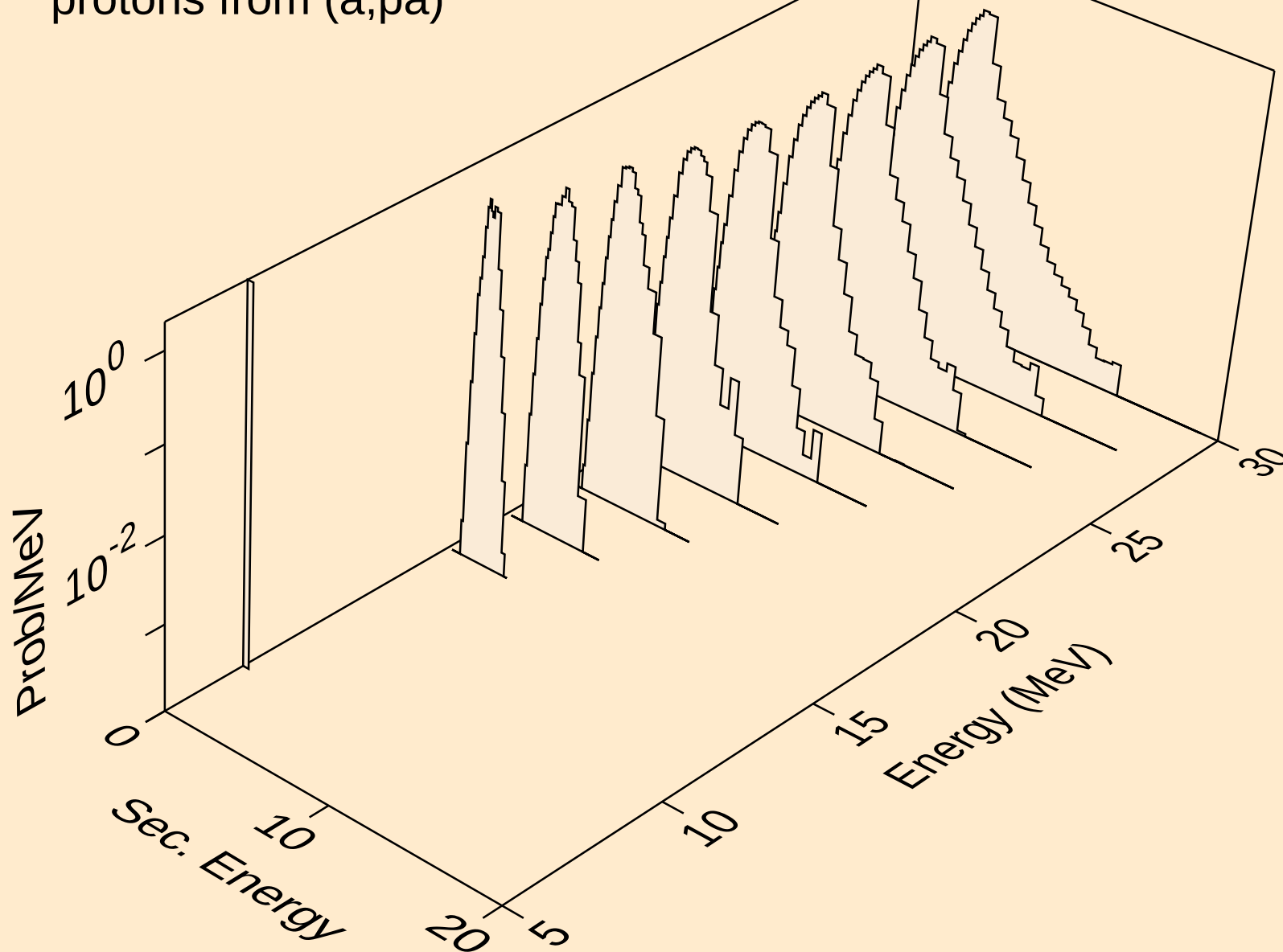
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protons from (a,p)



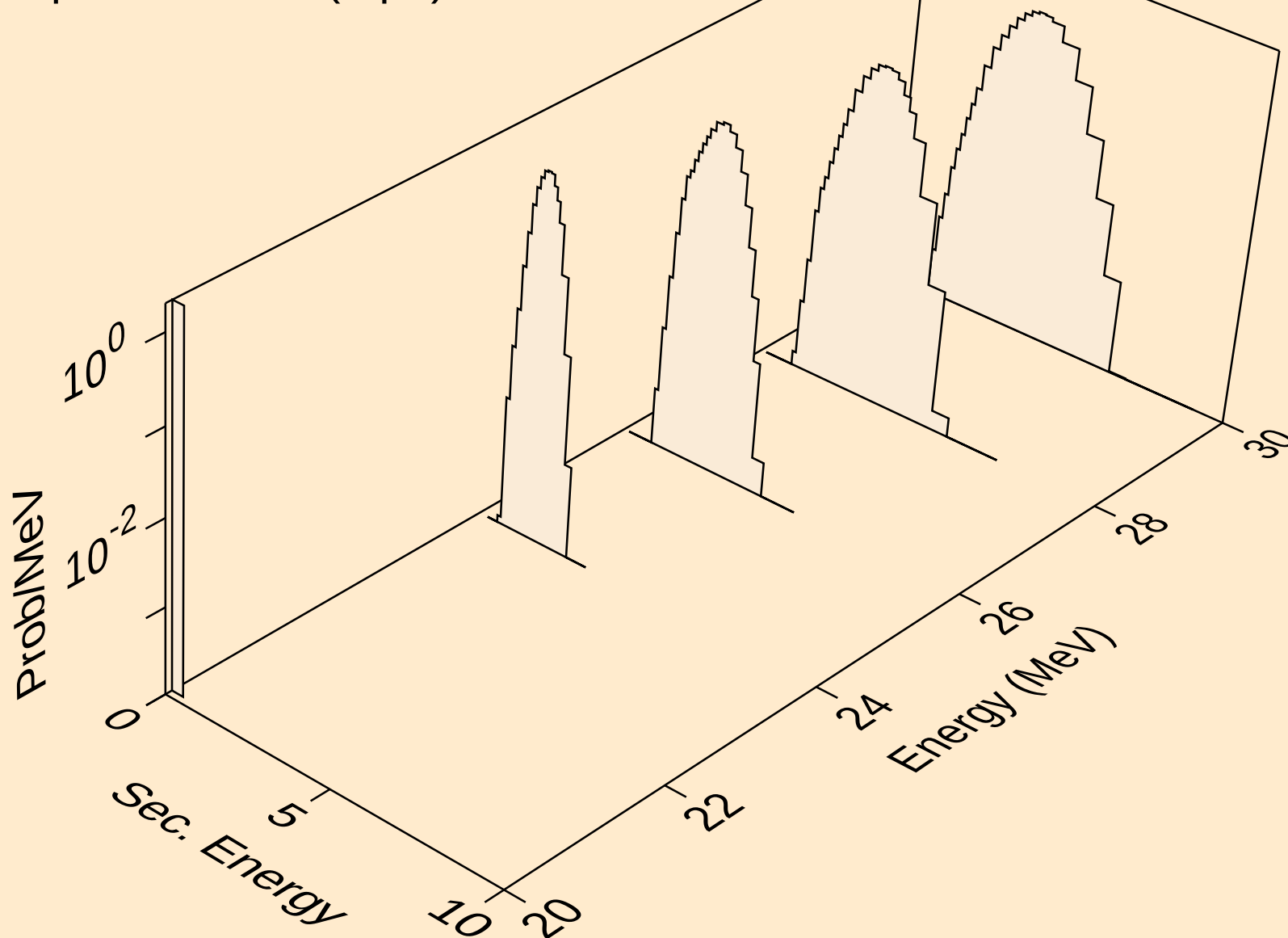
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protons from (a,2p)



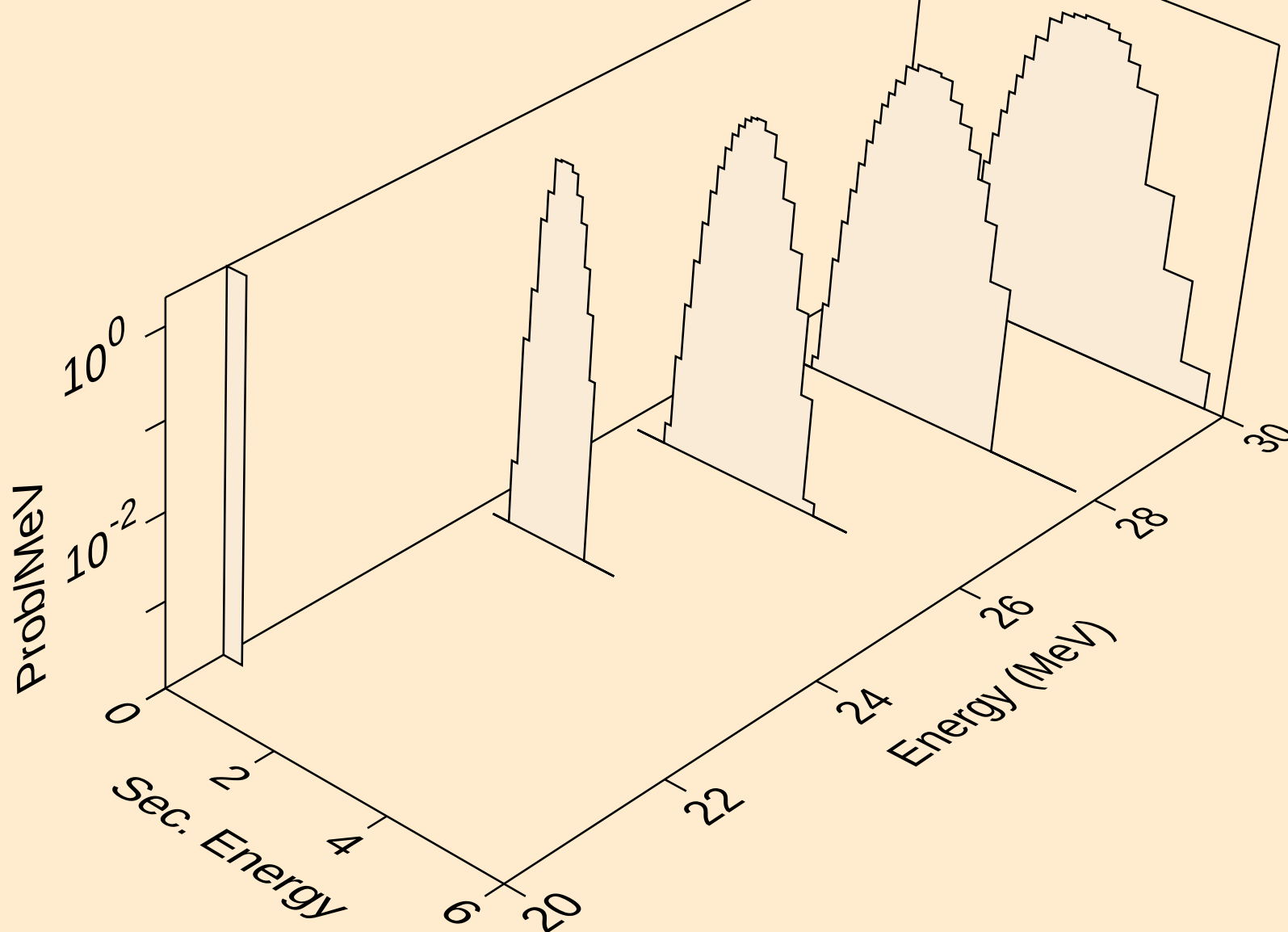
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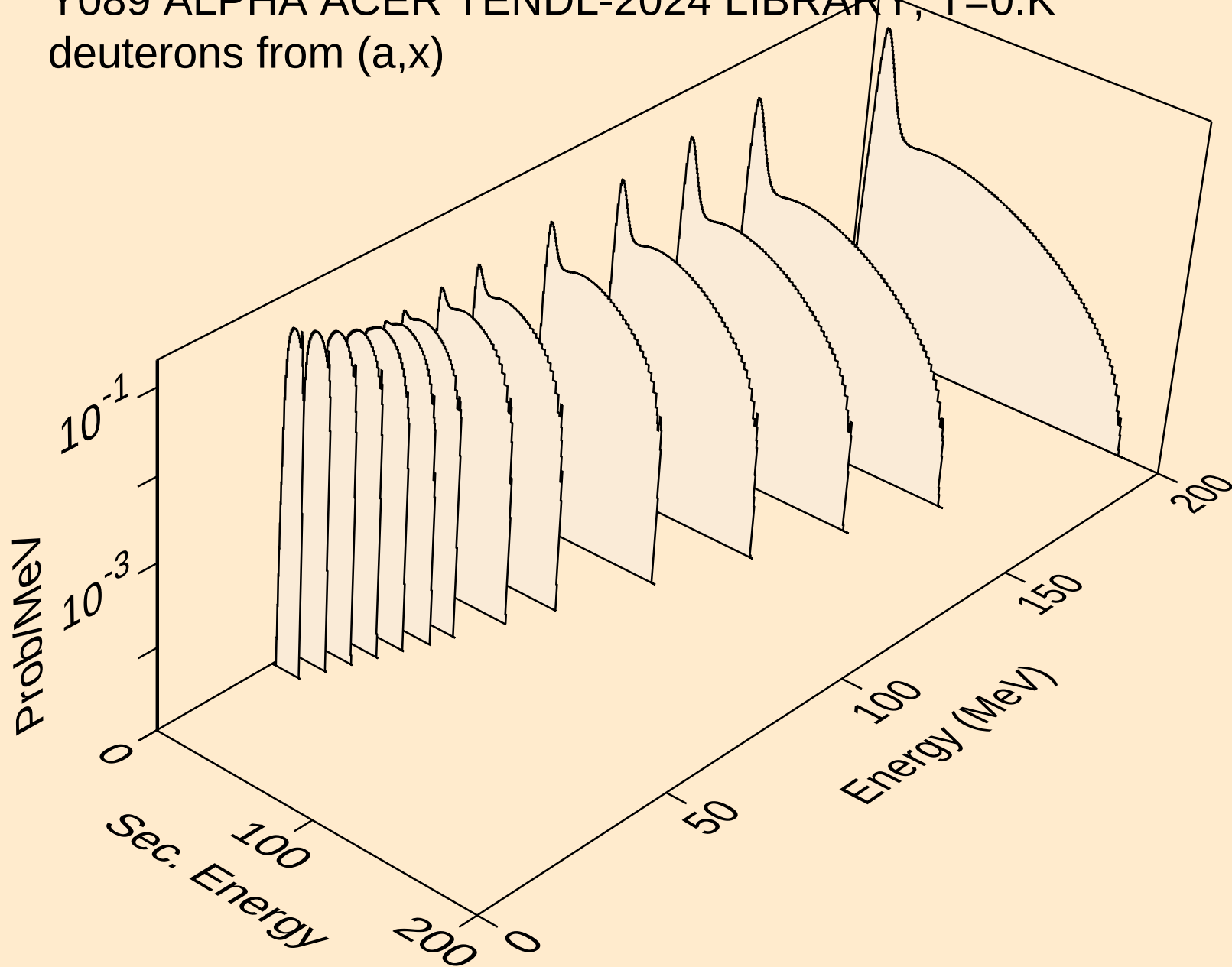
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protons from (a,pd)



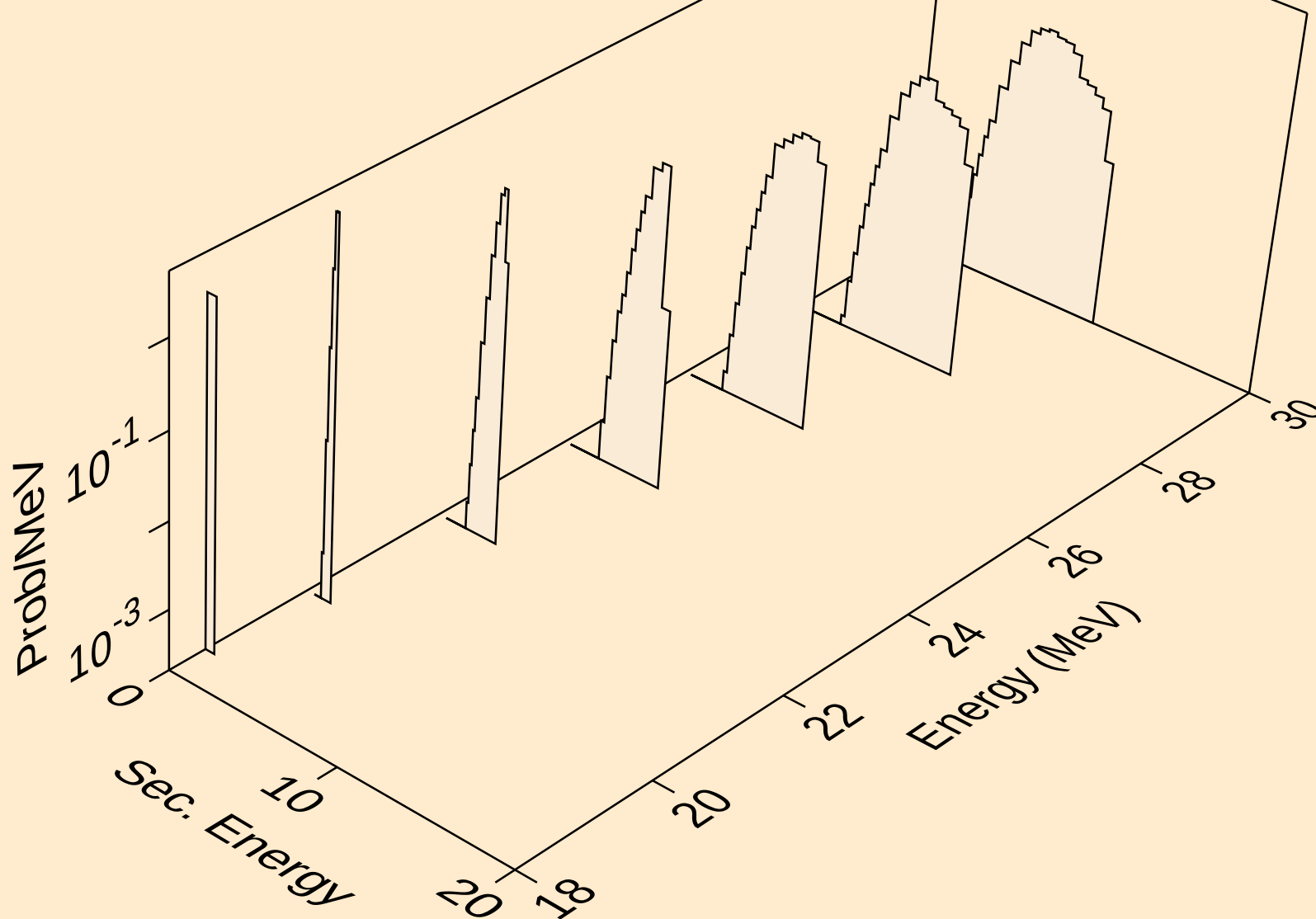
Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
protons from (a,pt)



Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (a,x)

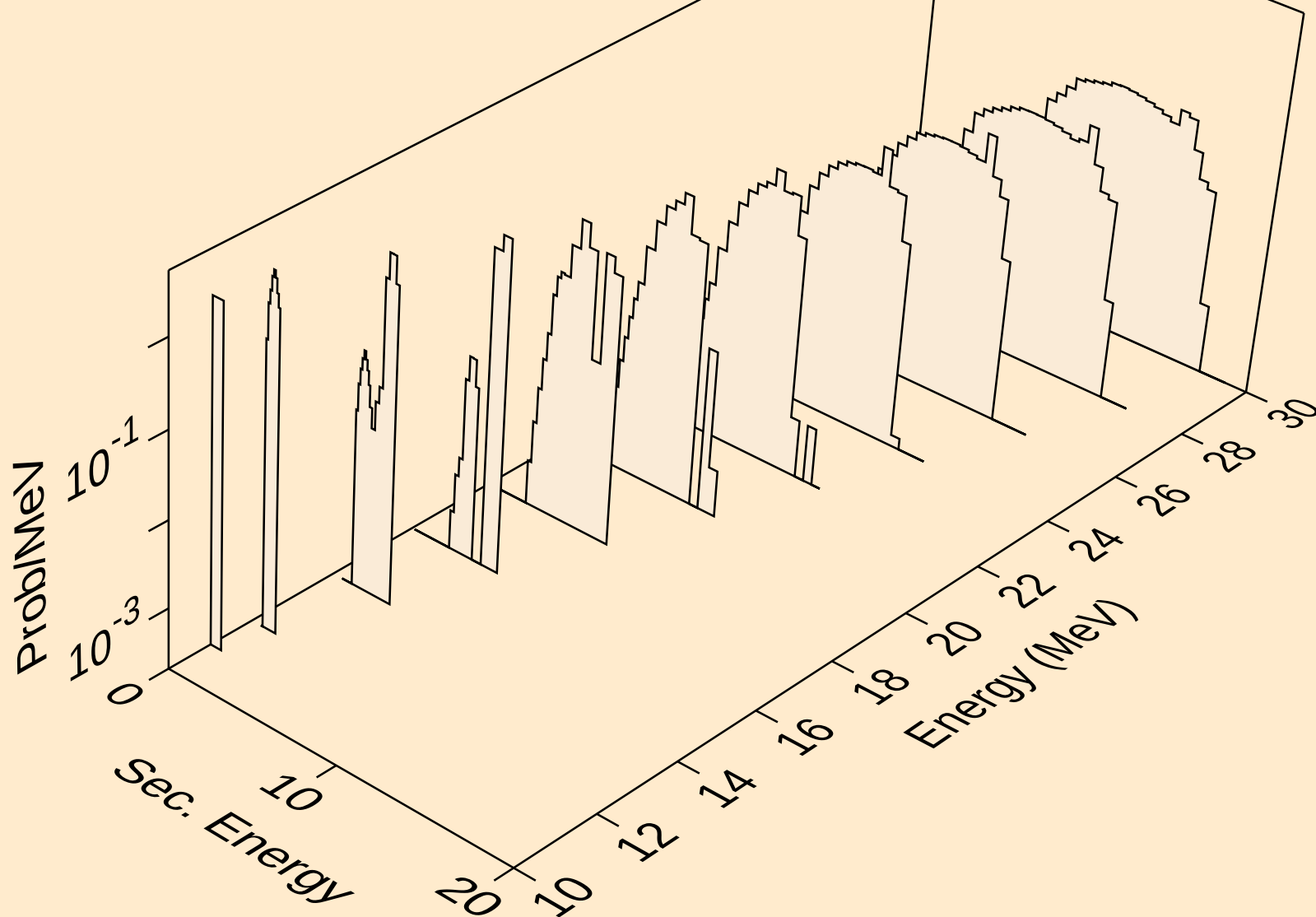


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deuterons from (a,n\*)d

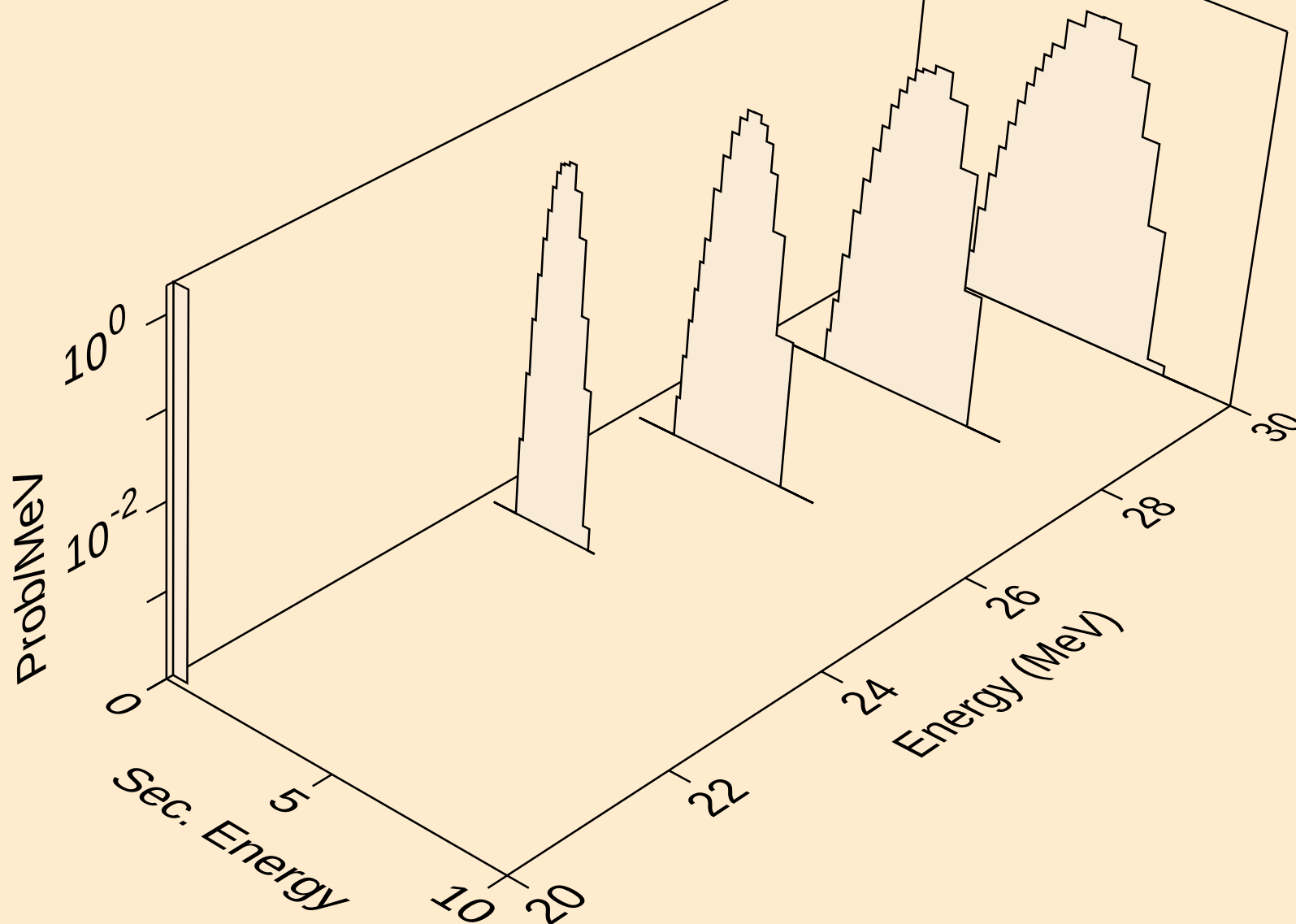




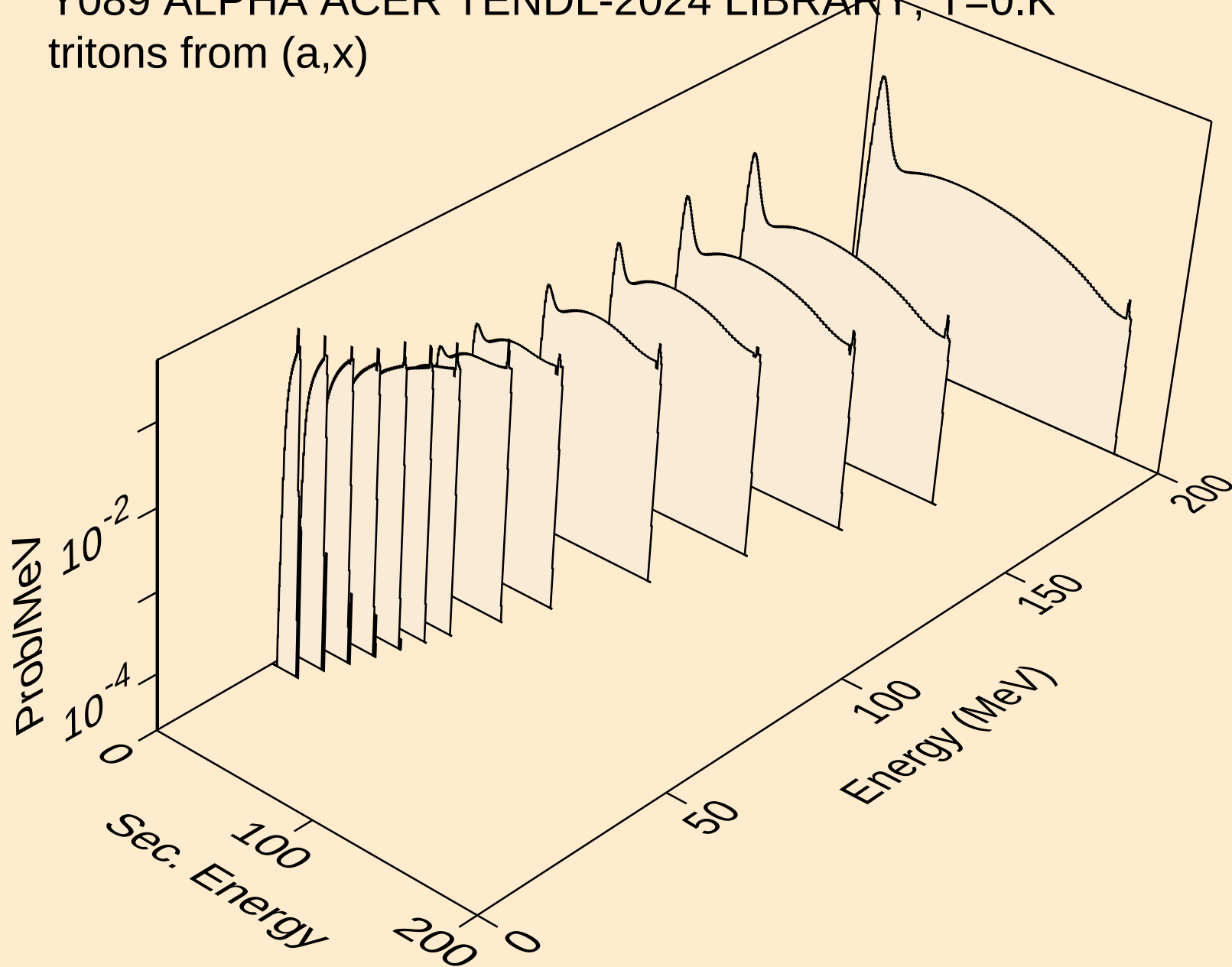
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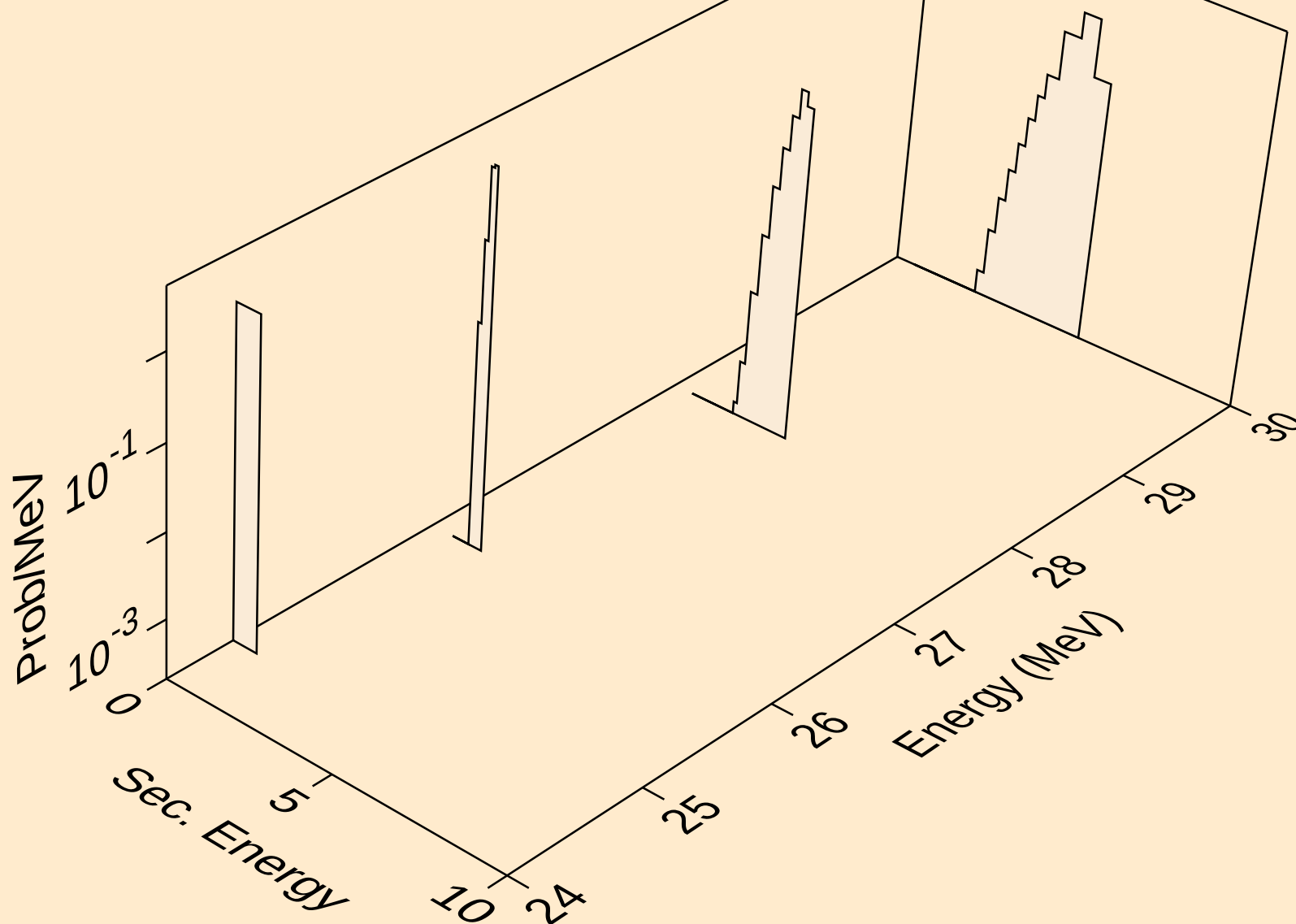
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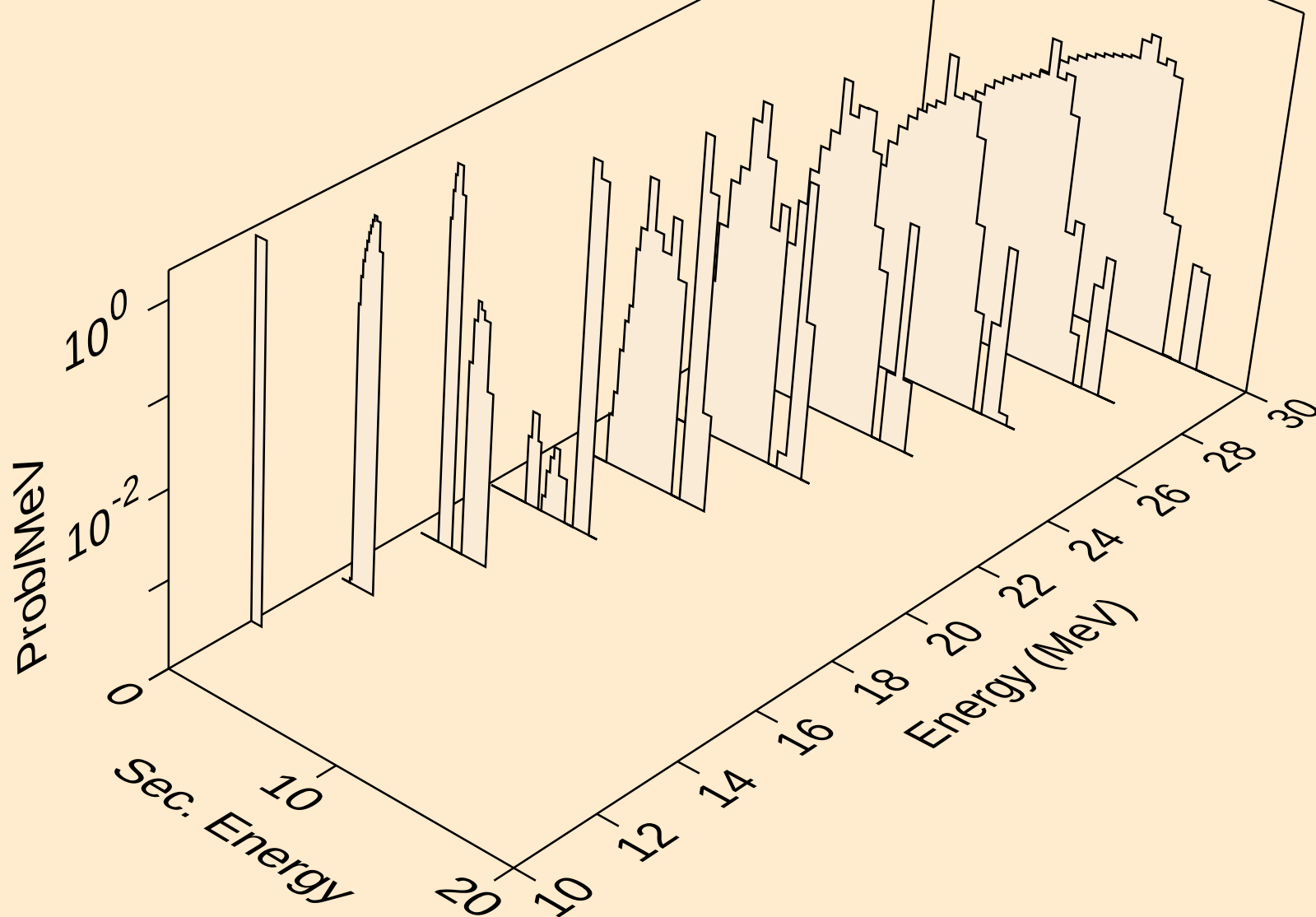
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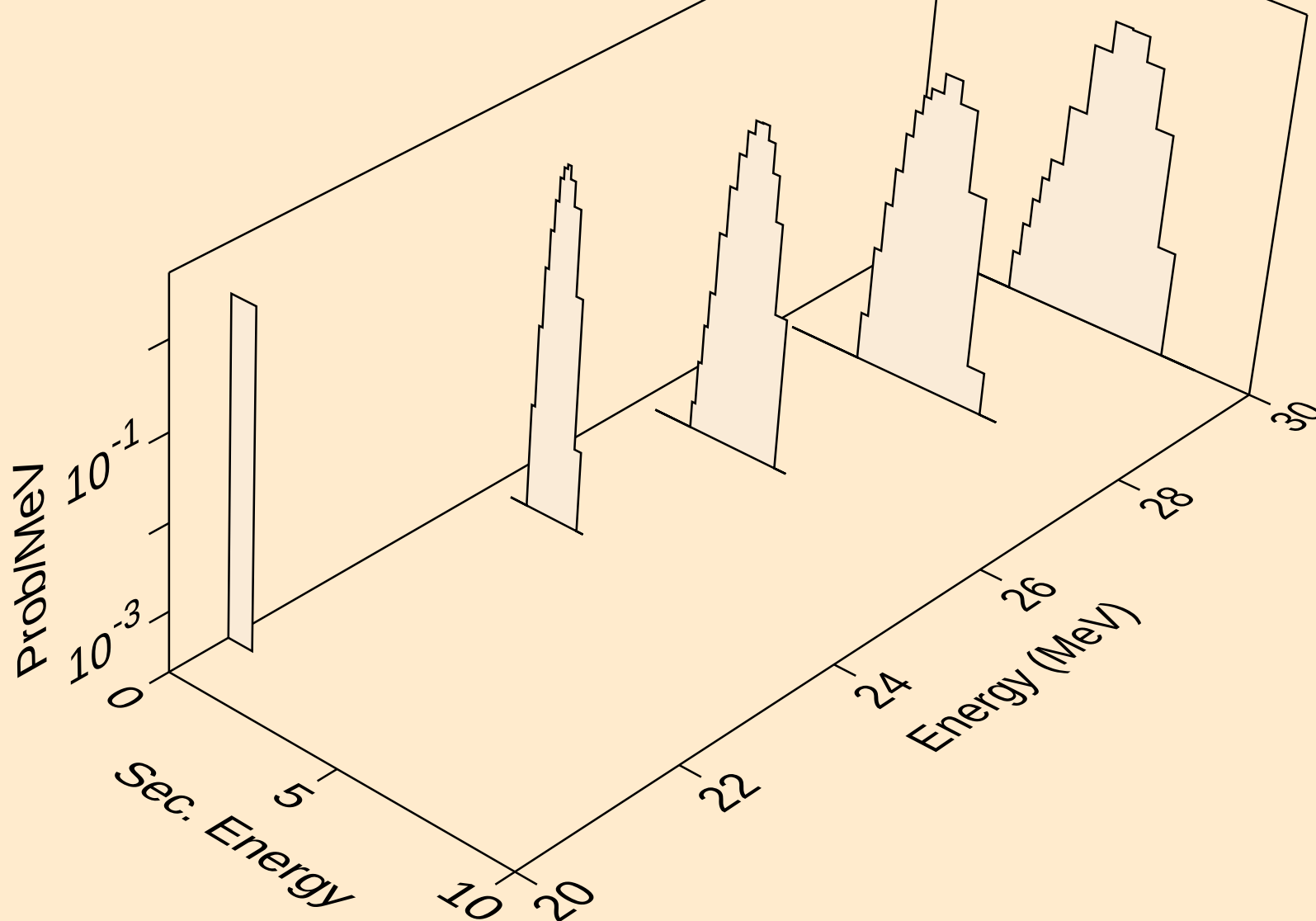
Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (a,n\*)t



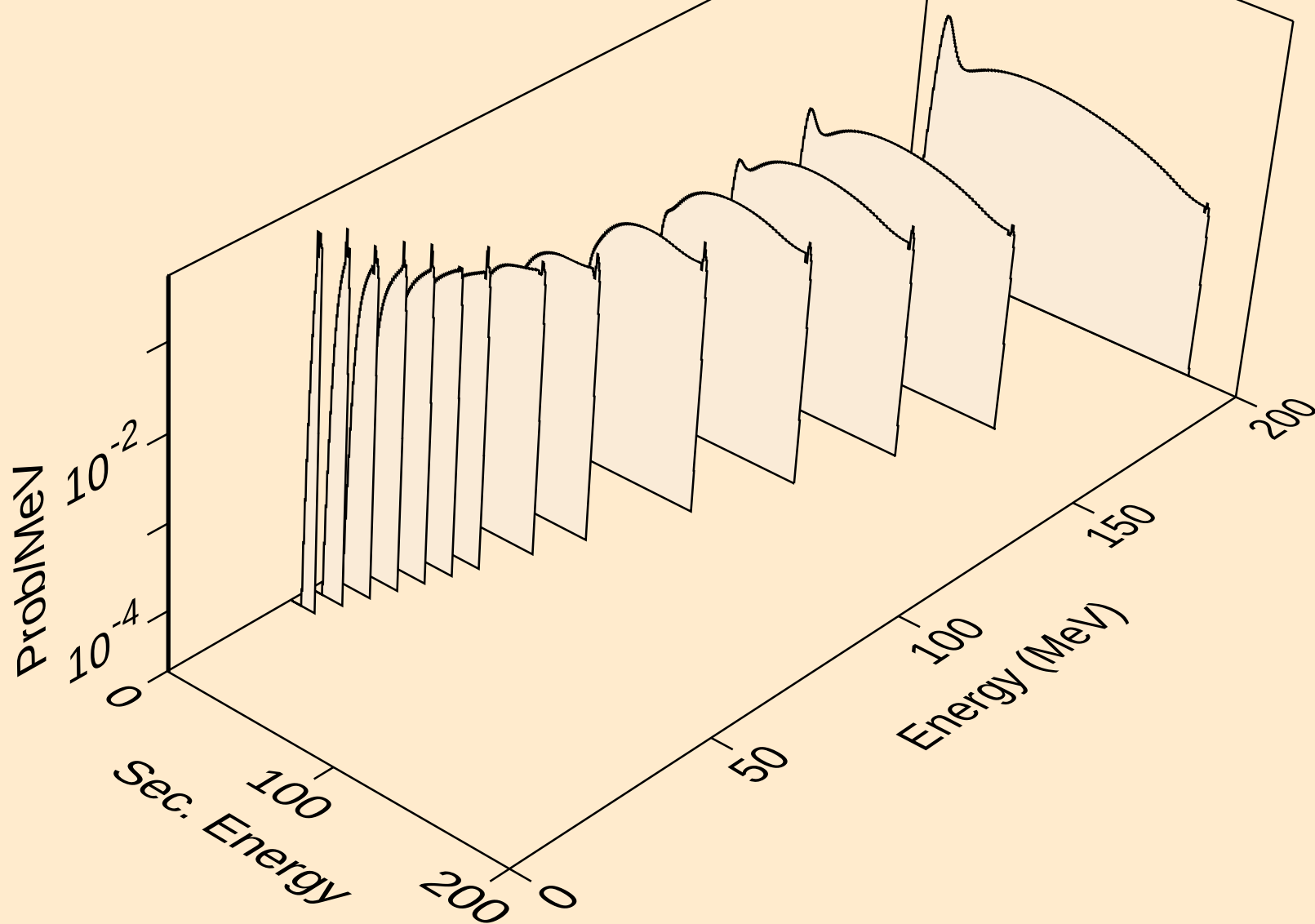
Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (a,t)



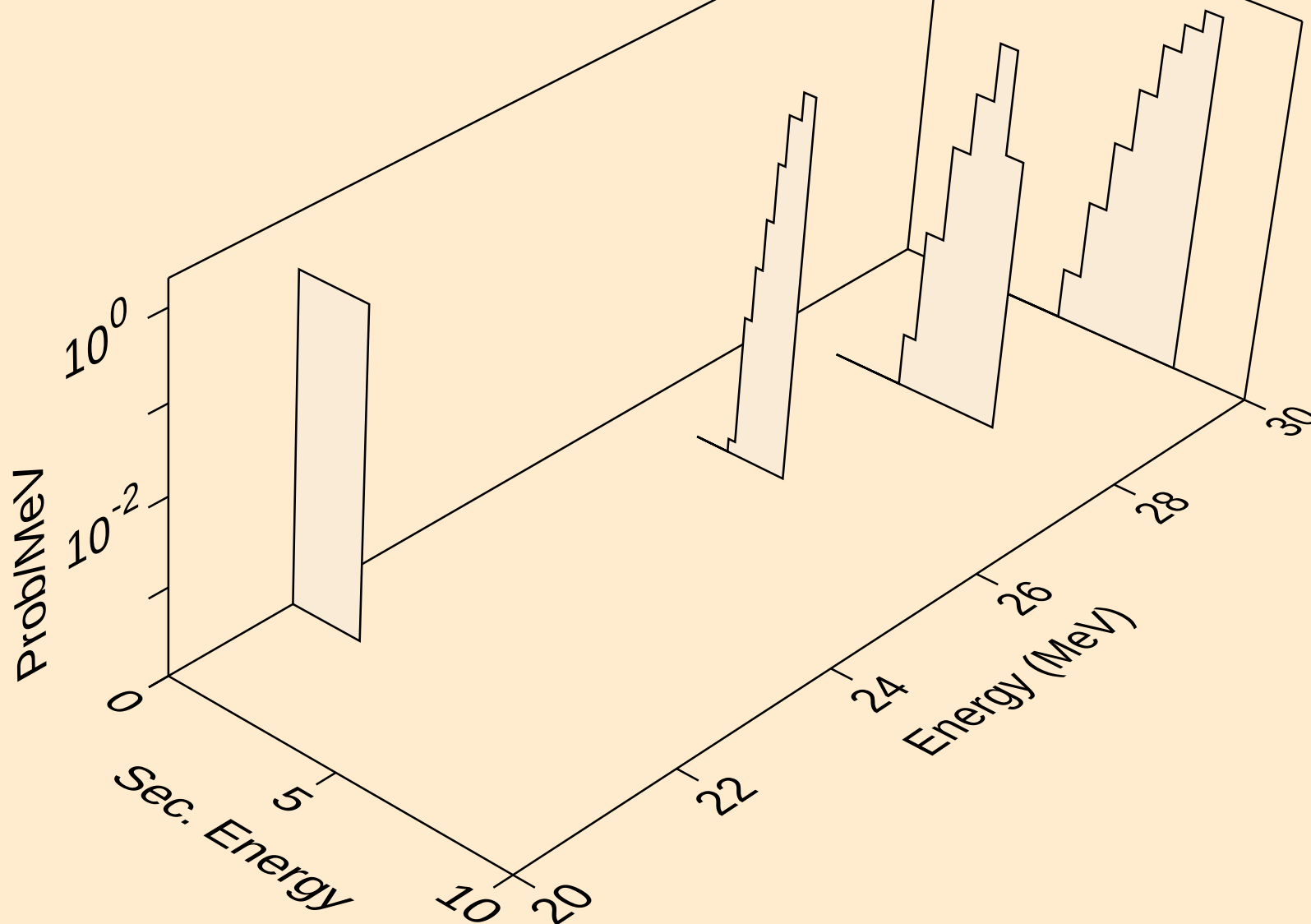
Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (a,pt)



Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (a,x)



Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (a,n\*)he3





Y089 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (a,he3)

