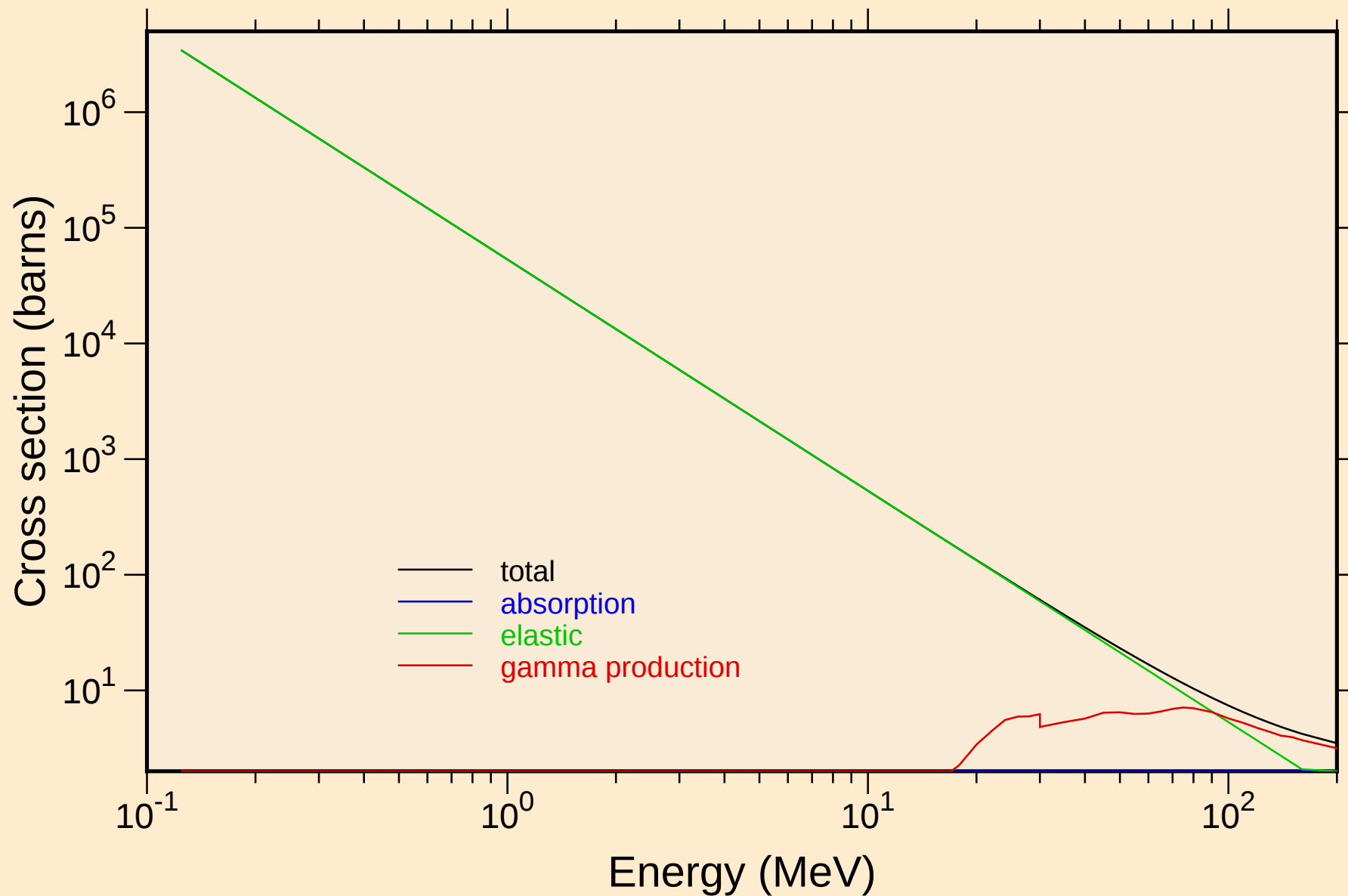


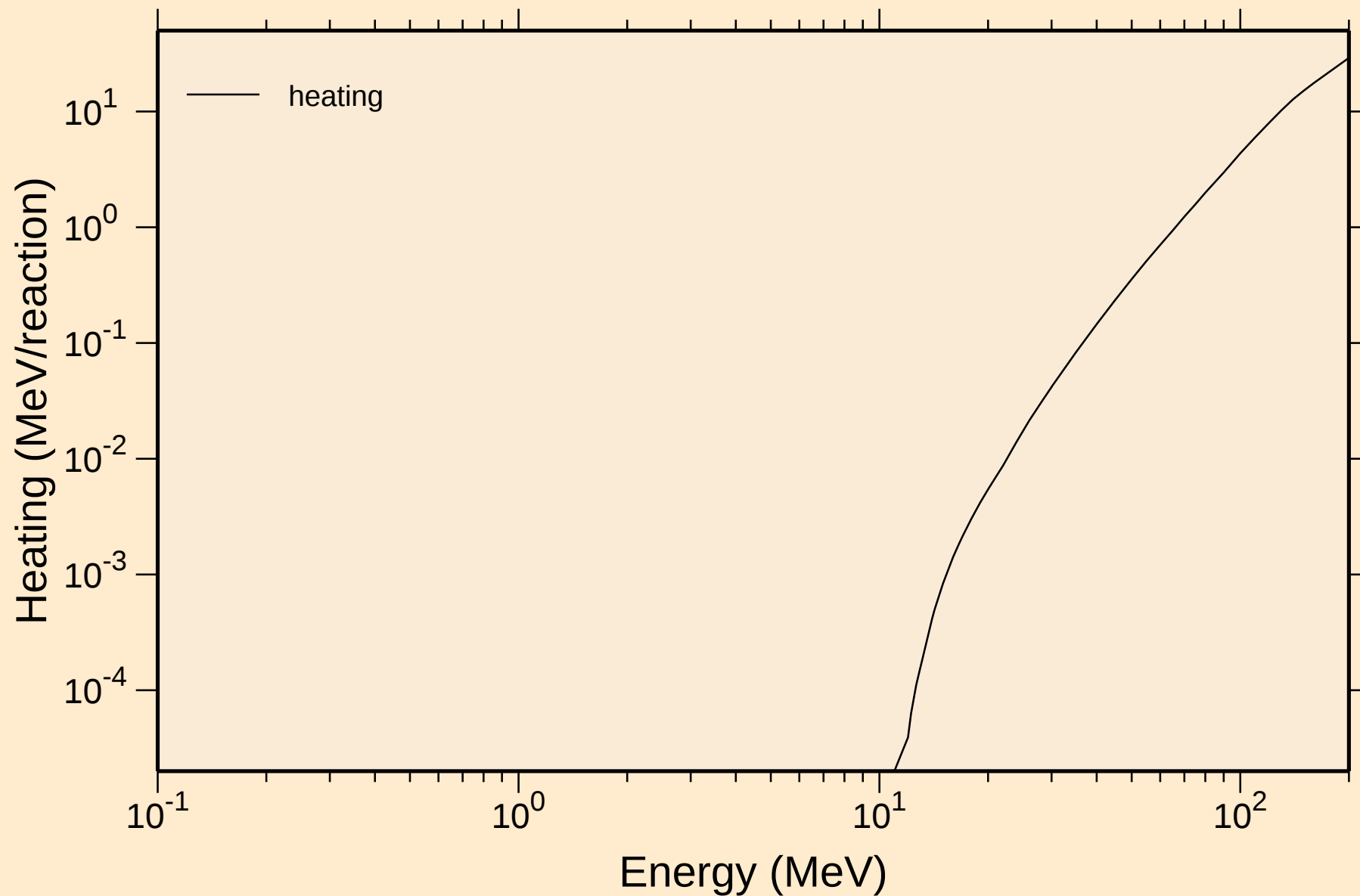
# RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



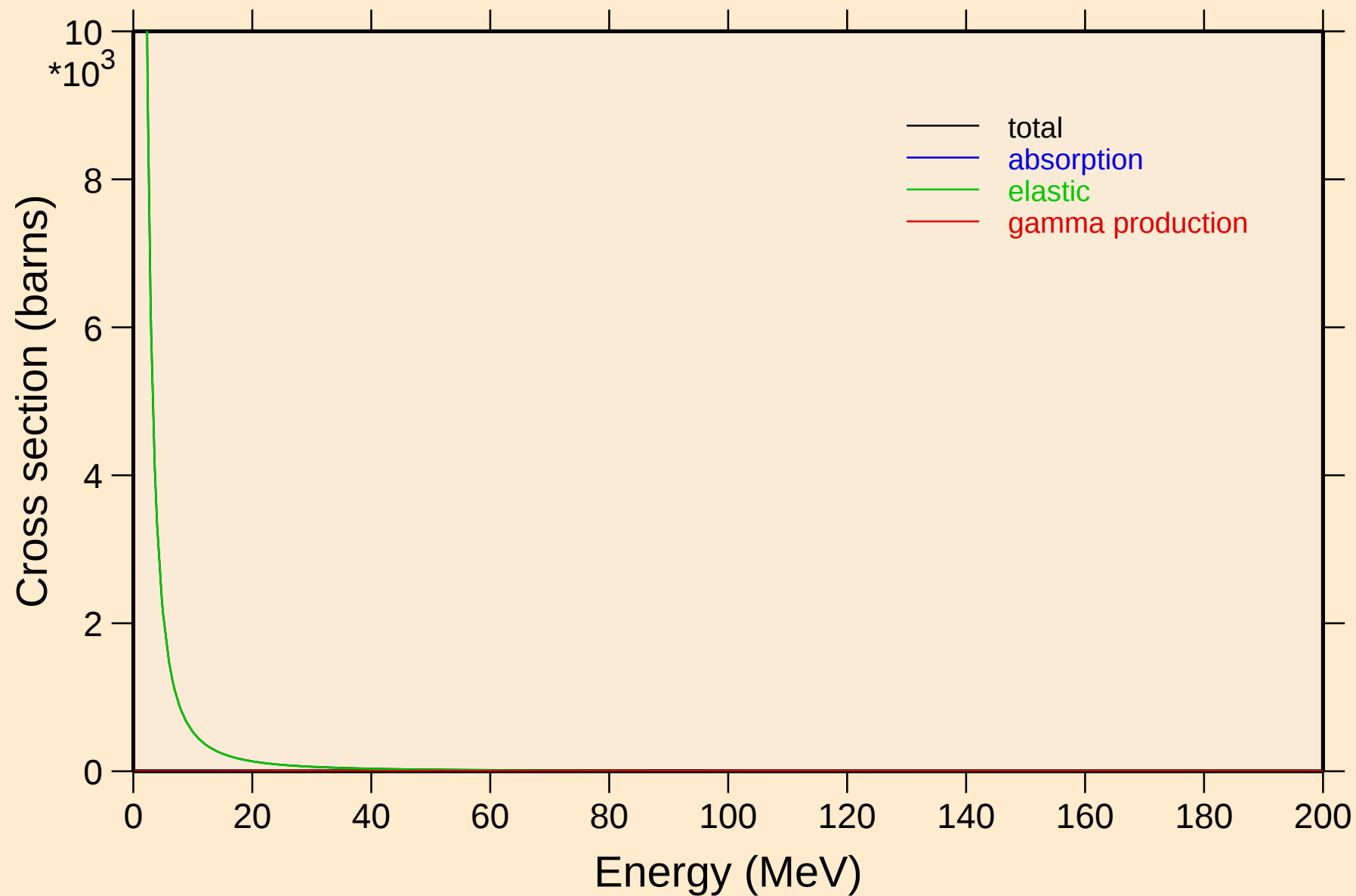
# RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Heating



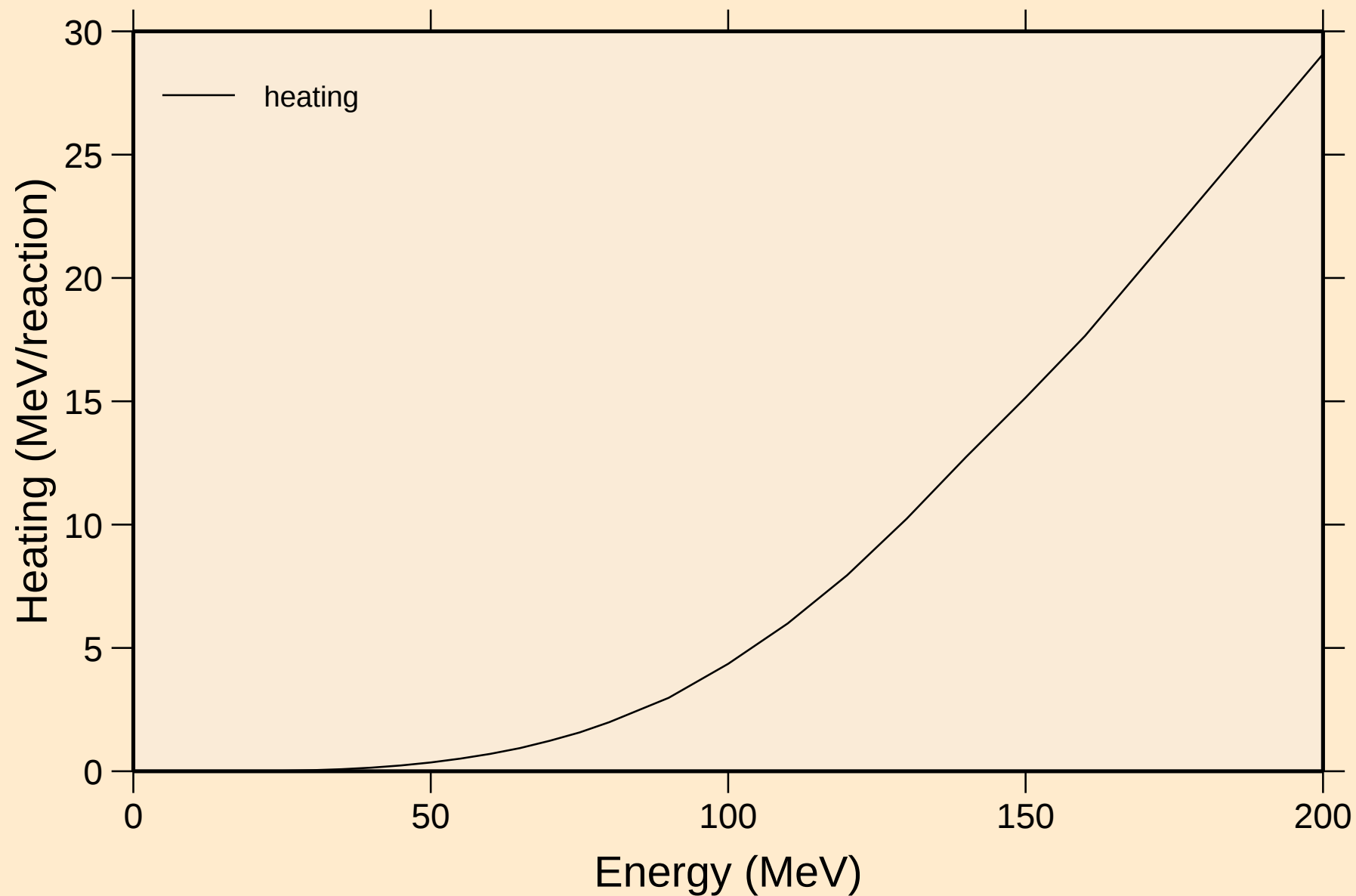
# RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



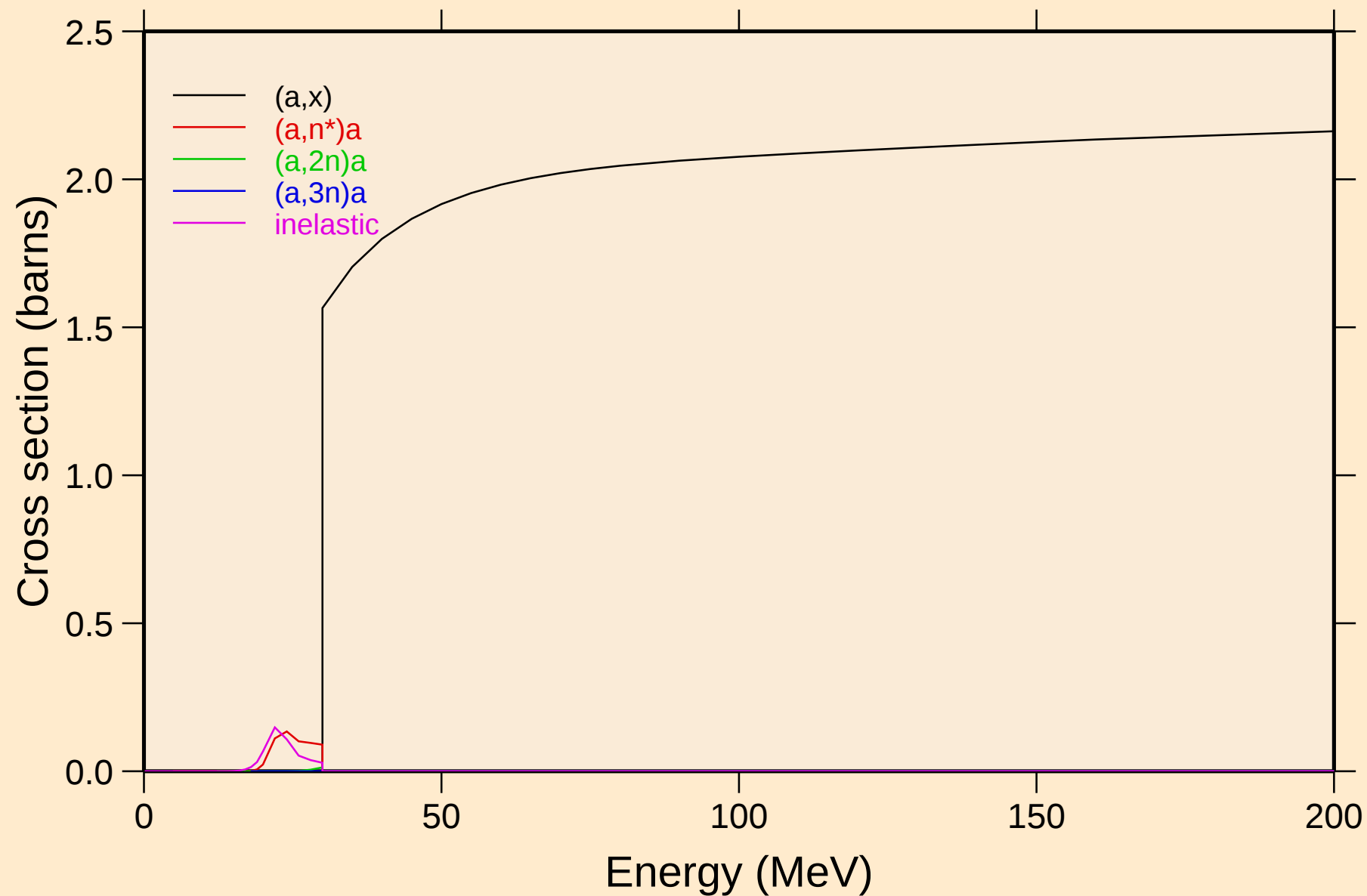
RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Heating

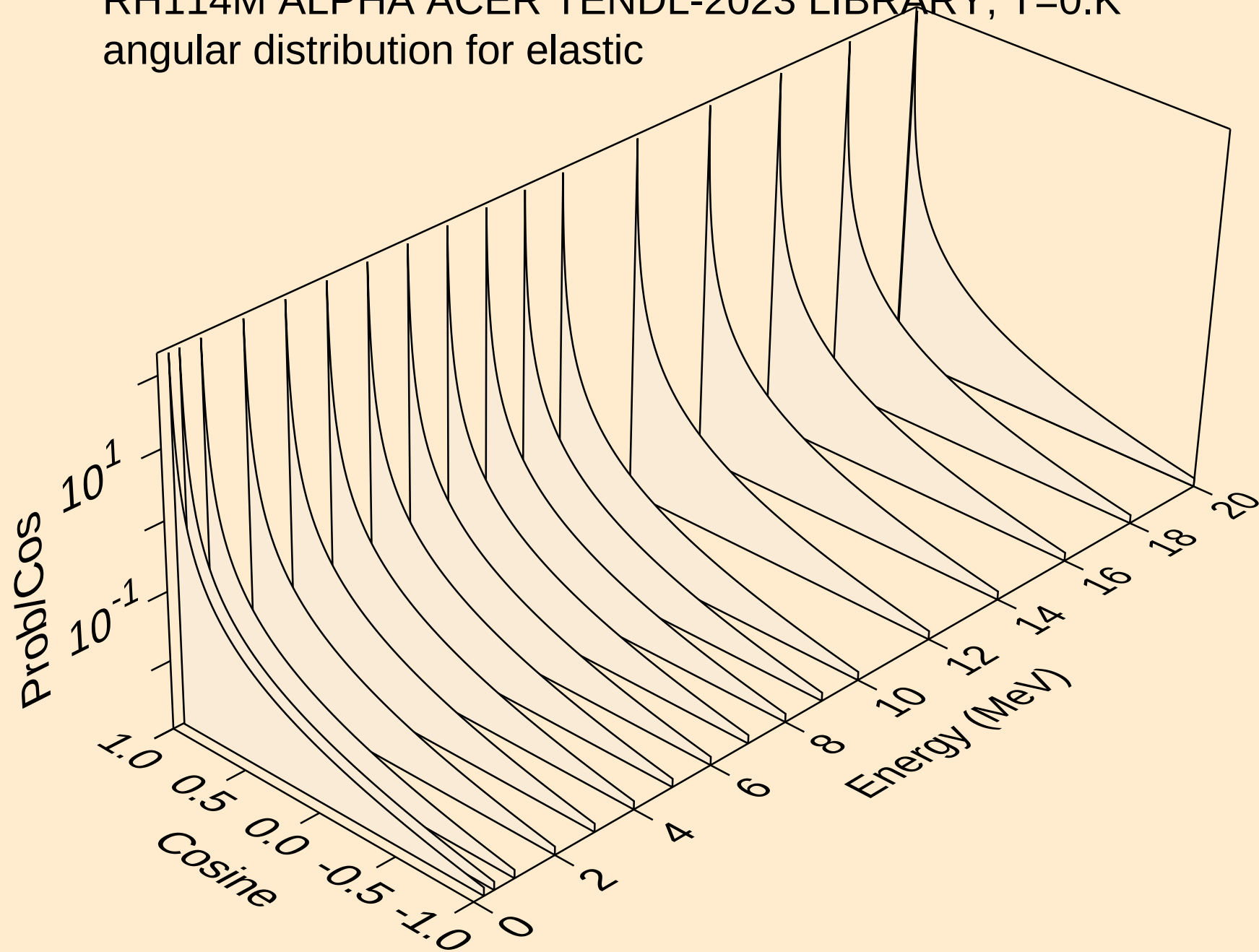


# RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

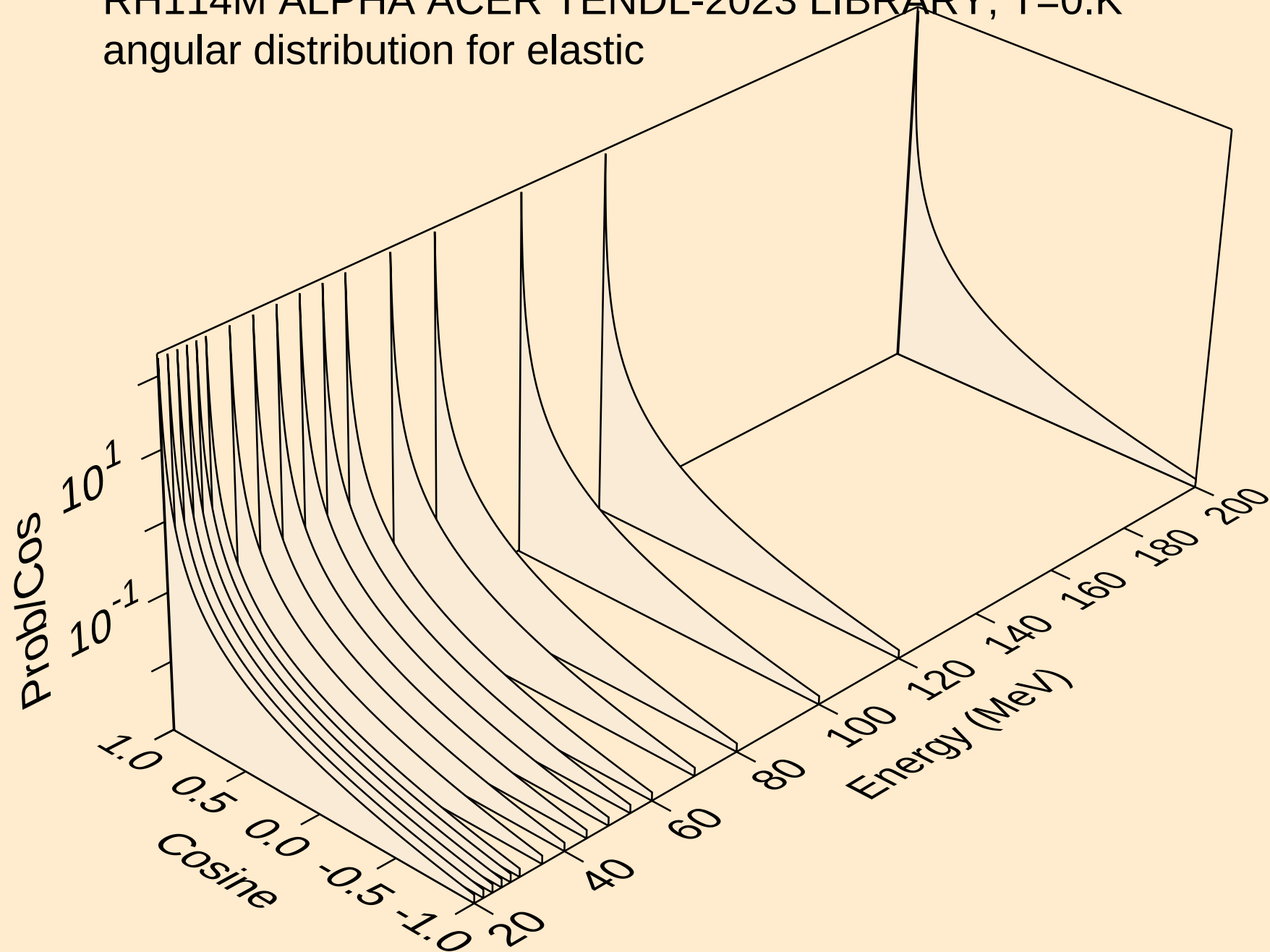
## Threshold reactions



RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

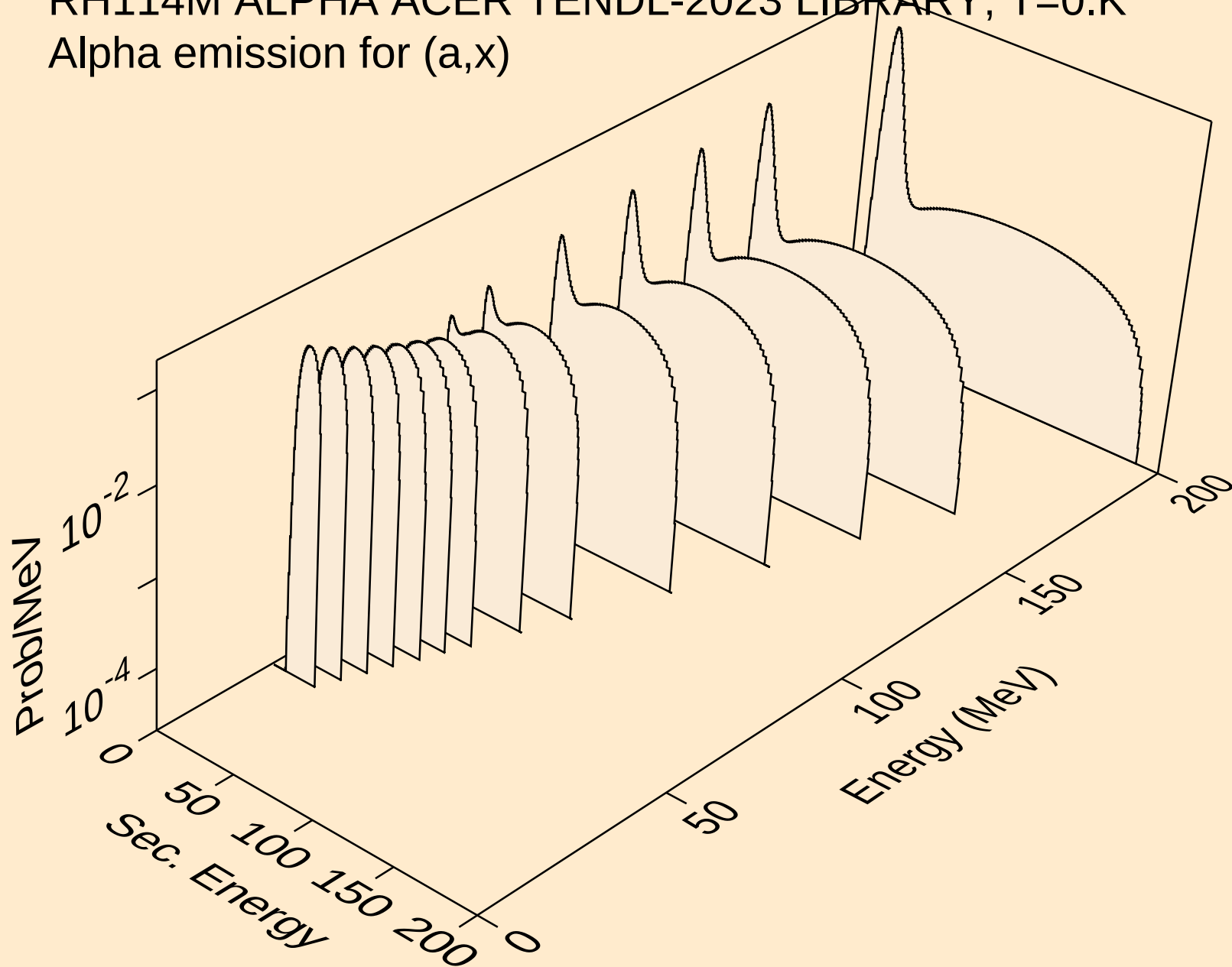


RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



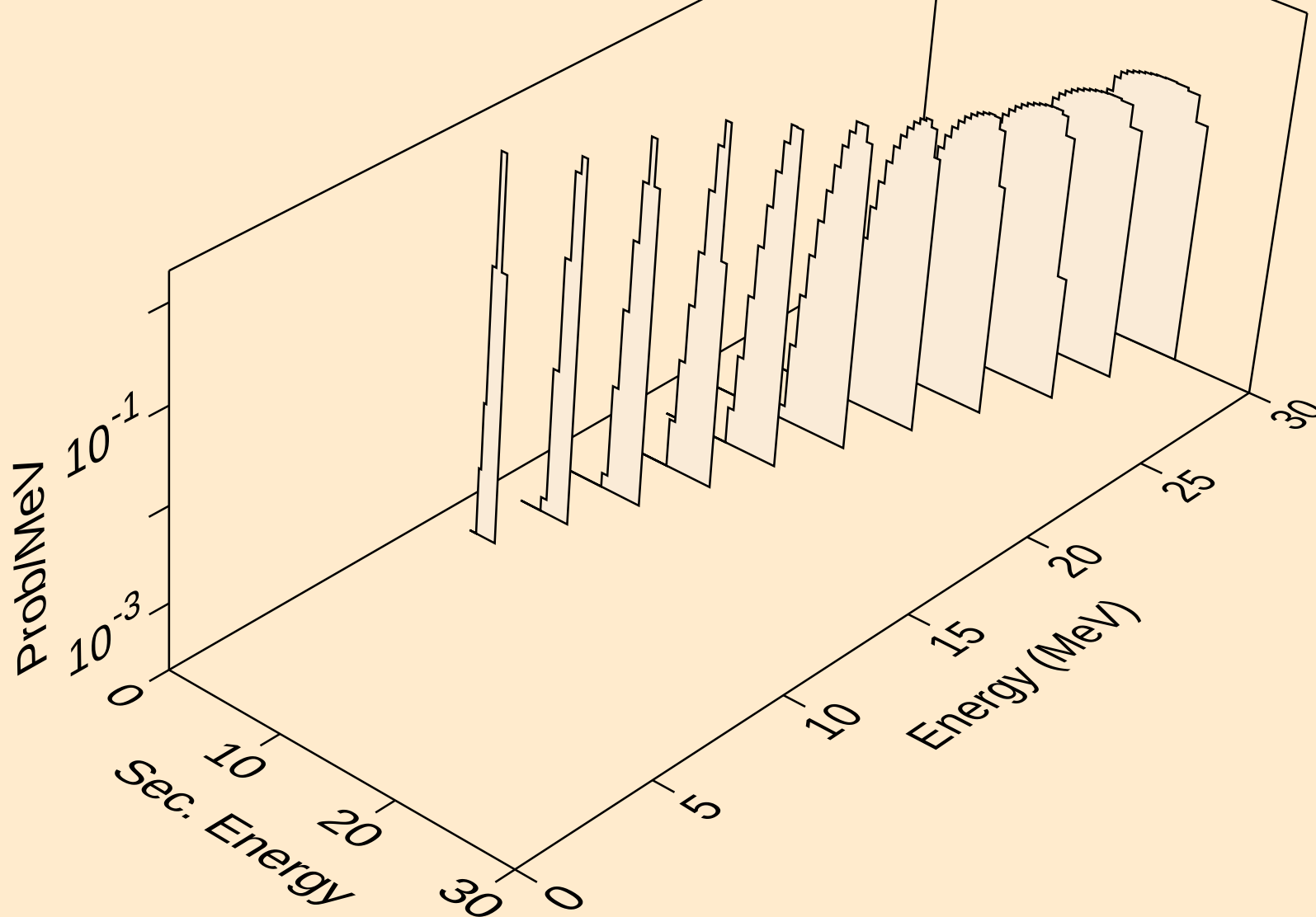
RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,x)



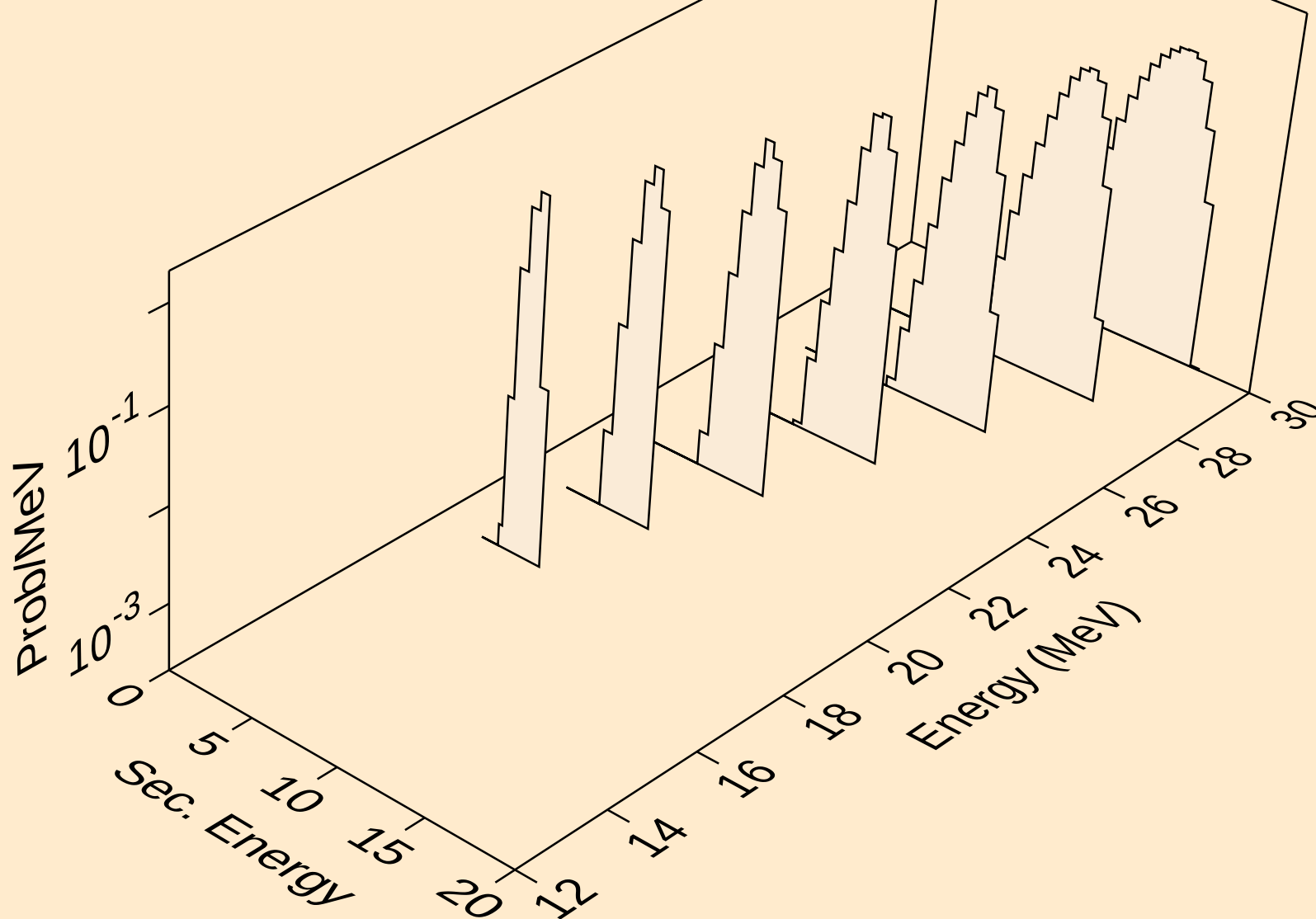
RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,n\*)a



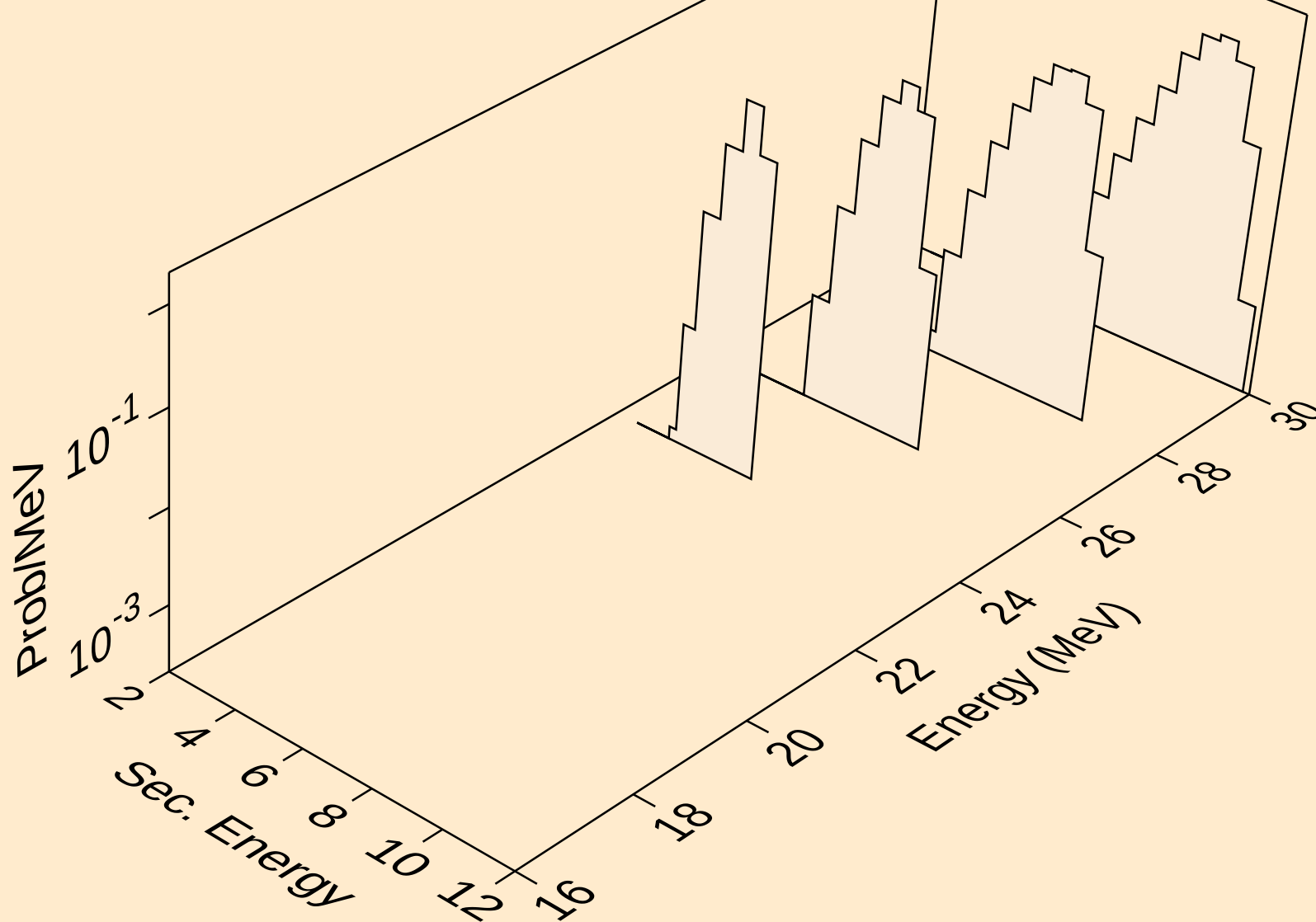
RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,2n)a



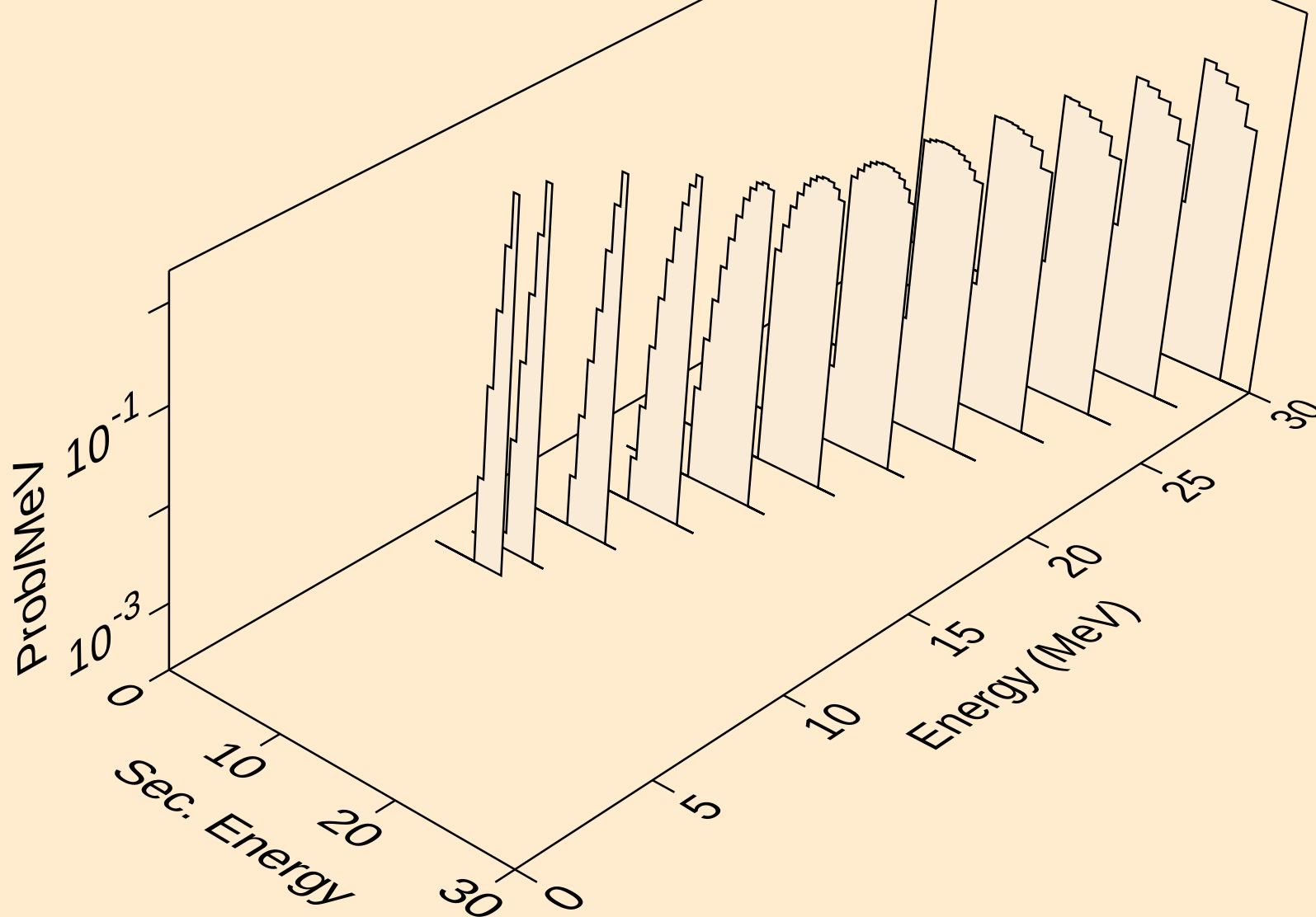
RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,3n)a

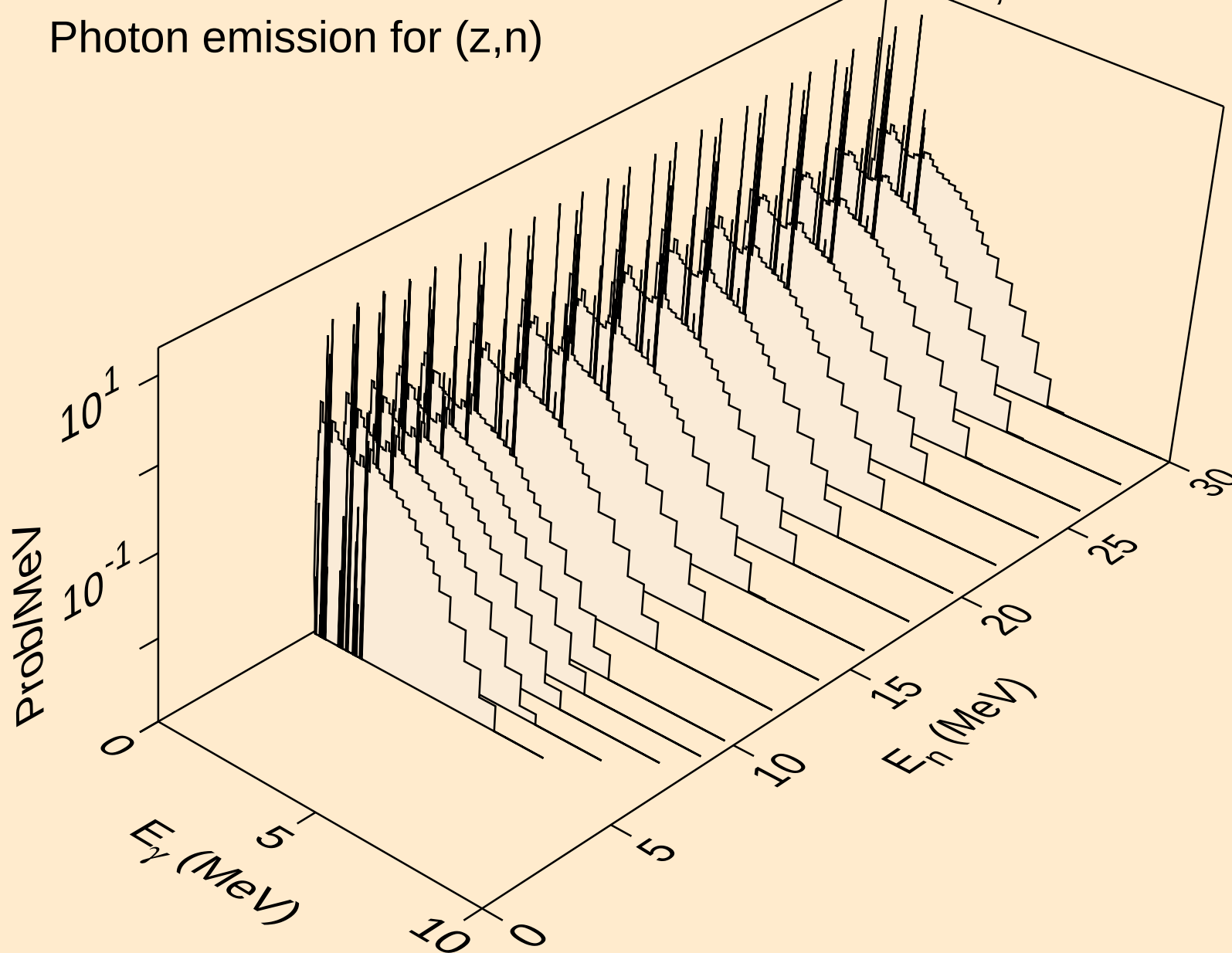


RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for inelastic

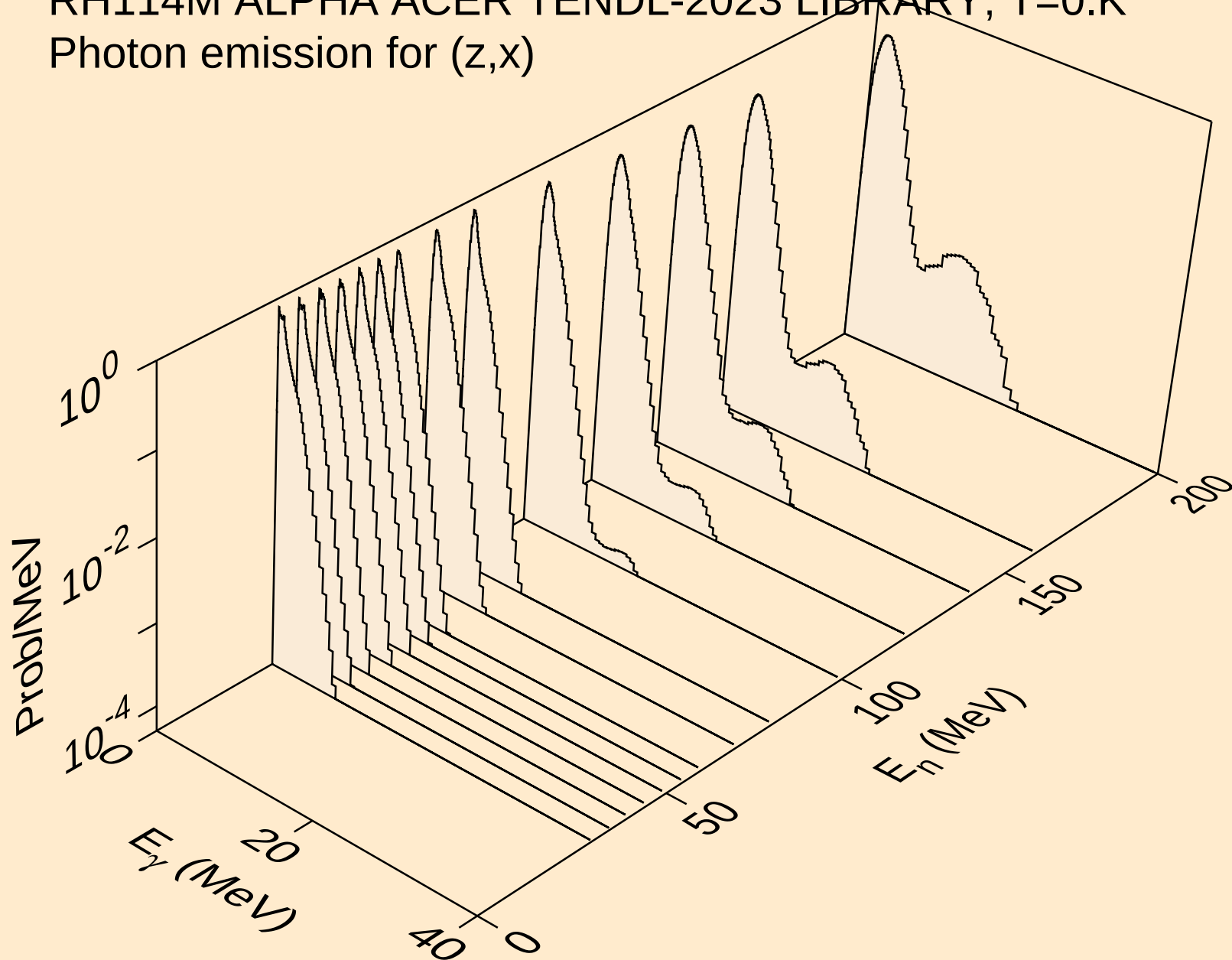


RH114M ALPHA ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (z,n)

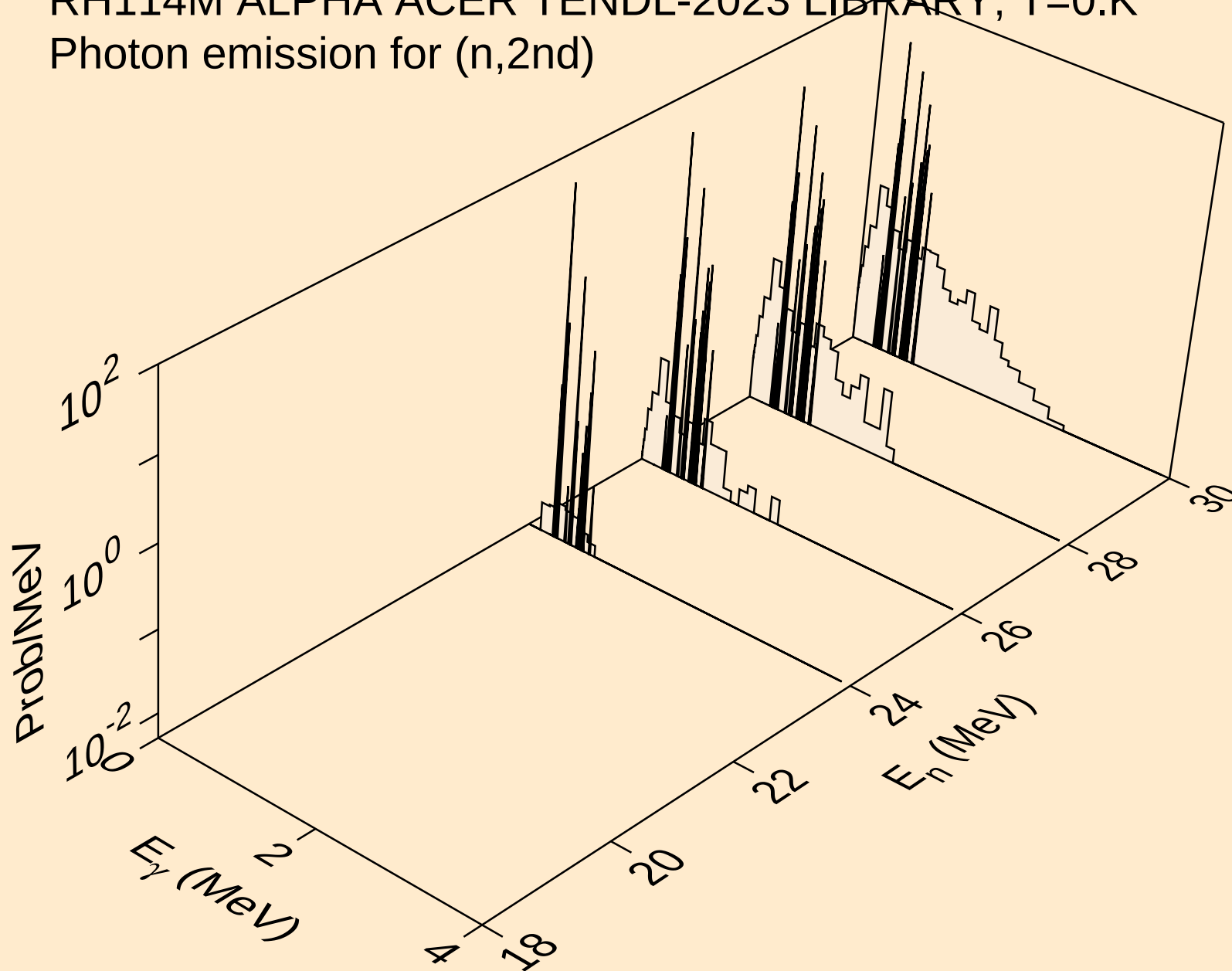


RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

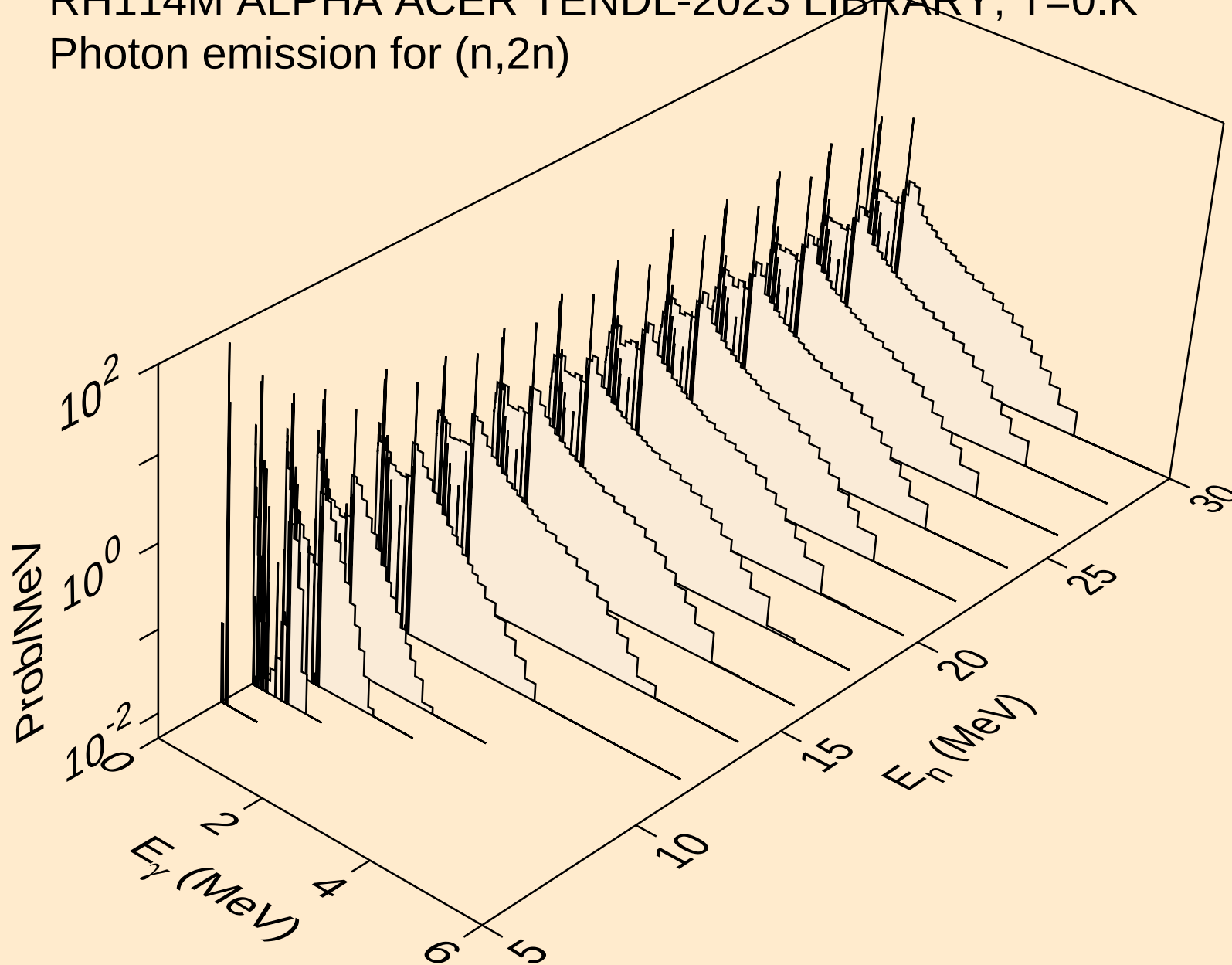
Photon emission for (z,x)



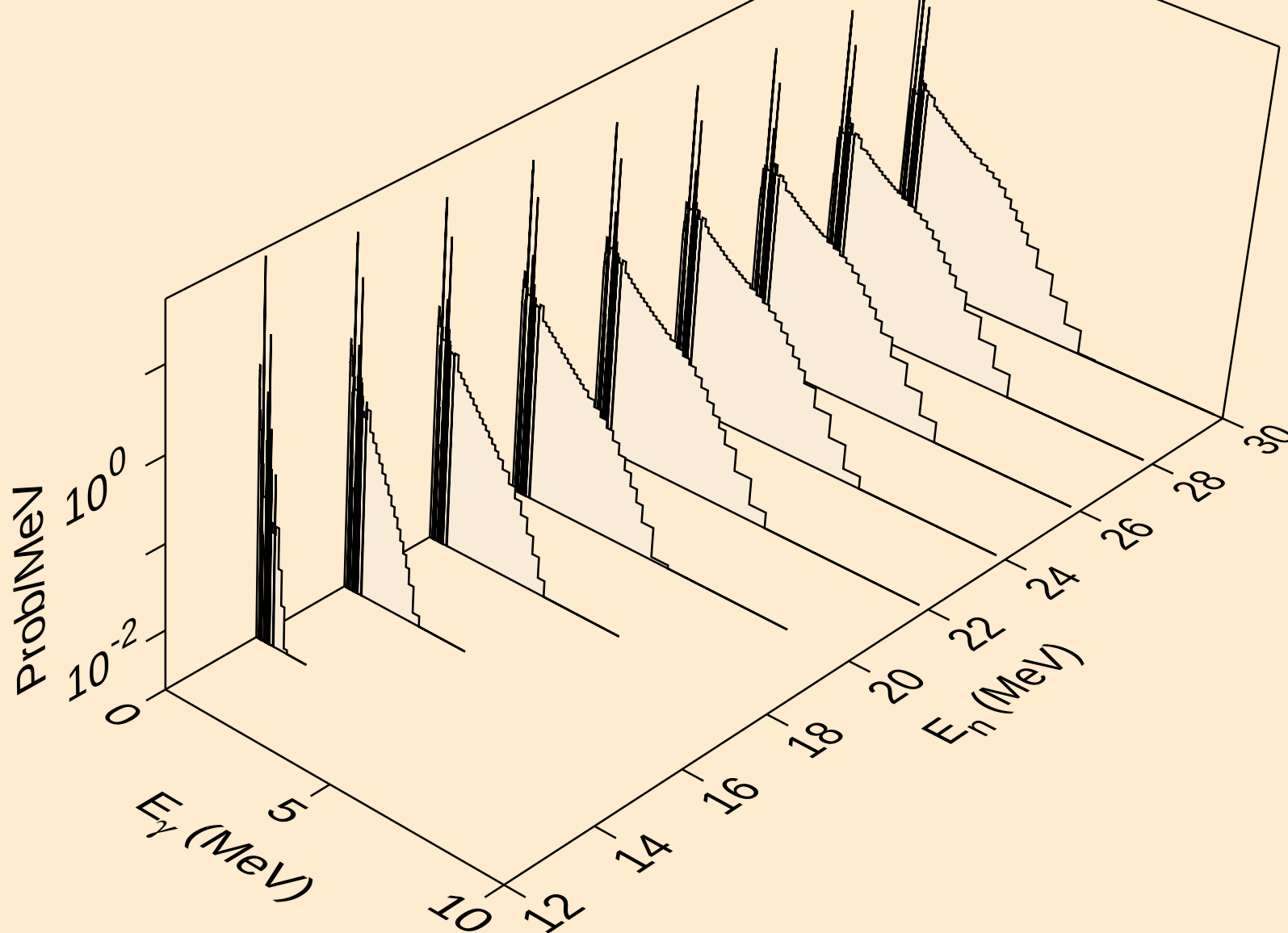
RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



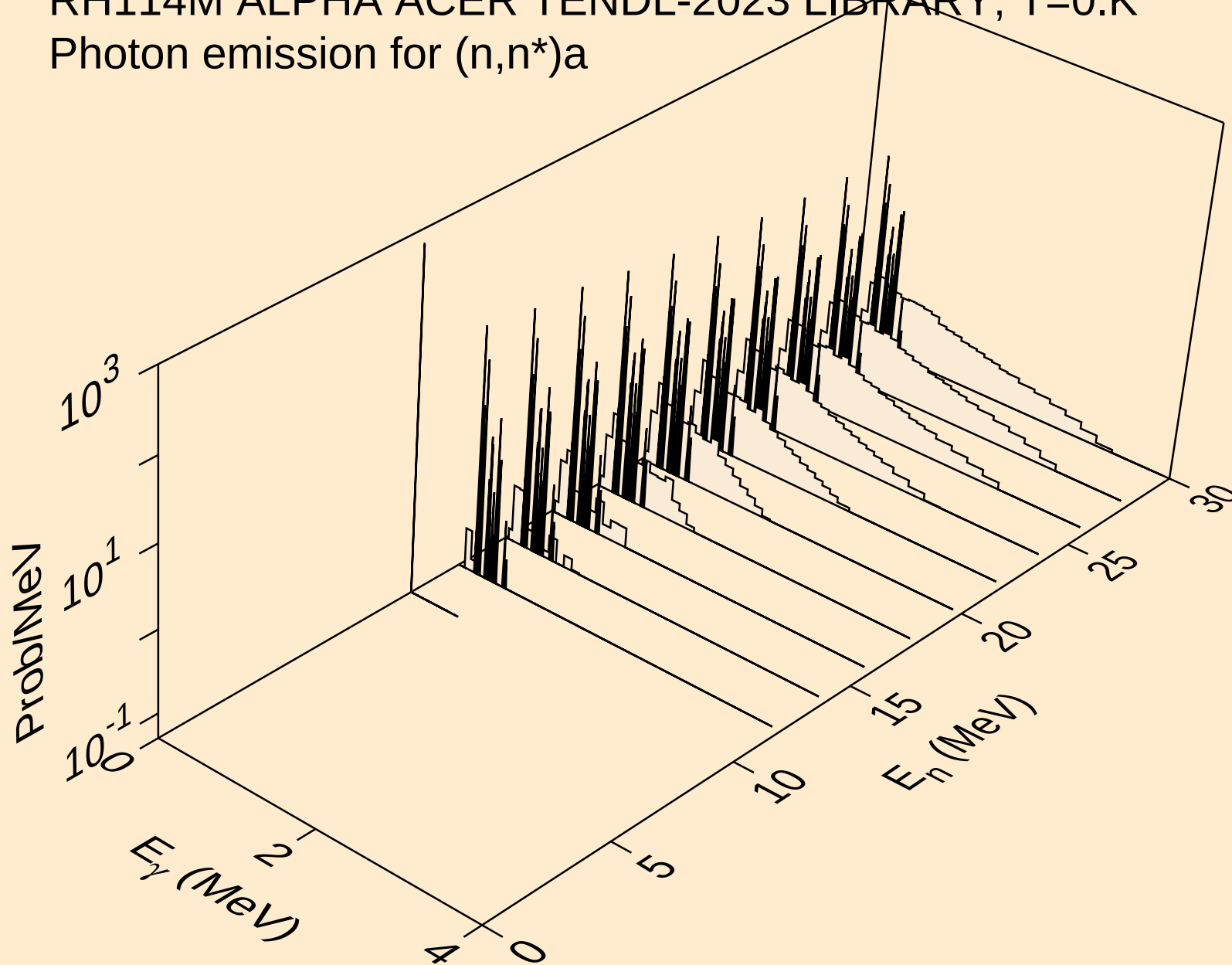
RH114M ALPHA ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,2n)



RH114M ALPHA ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,3n)

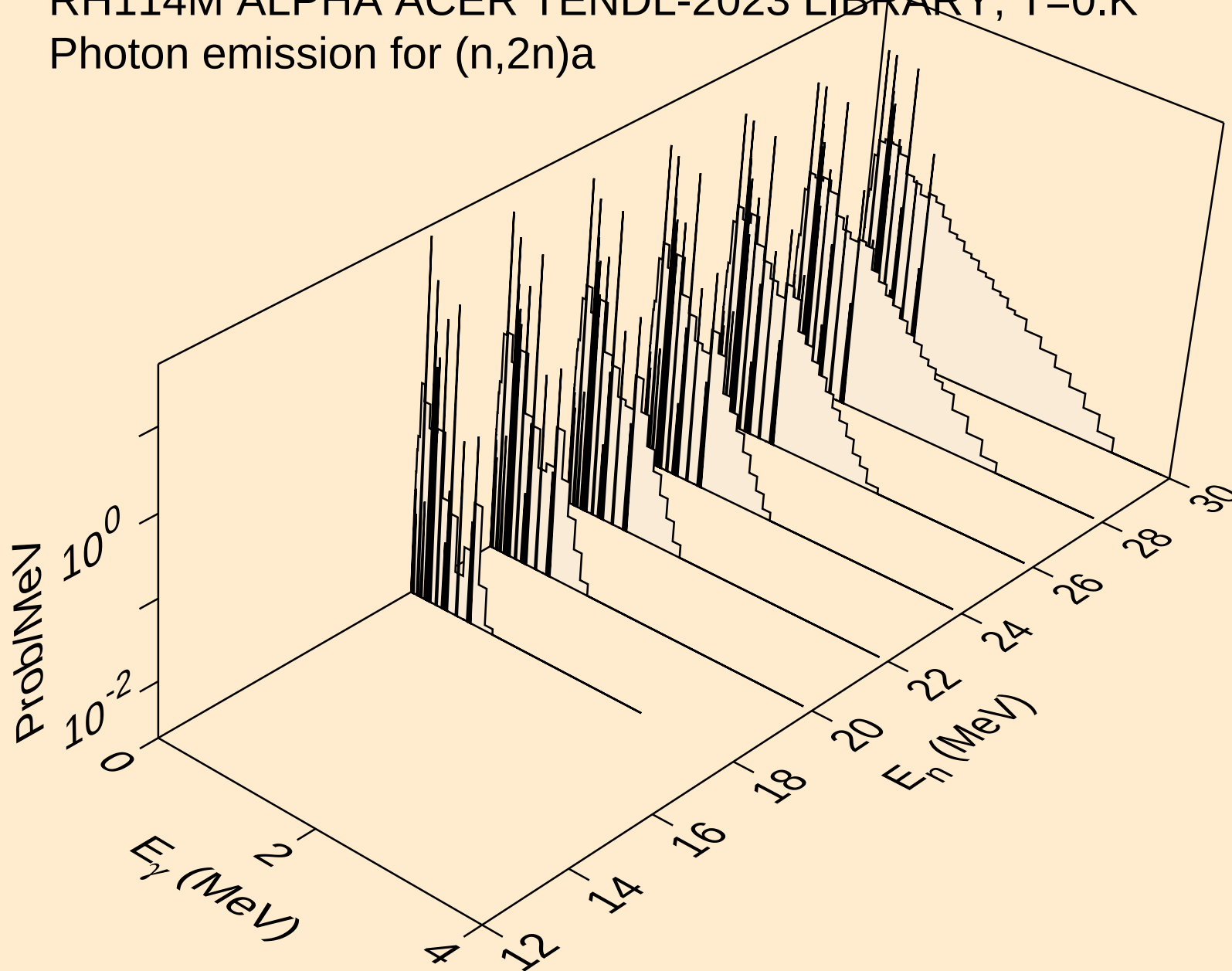


RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



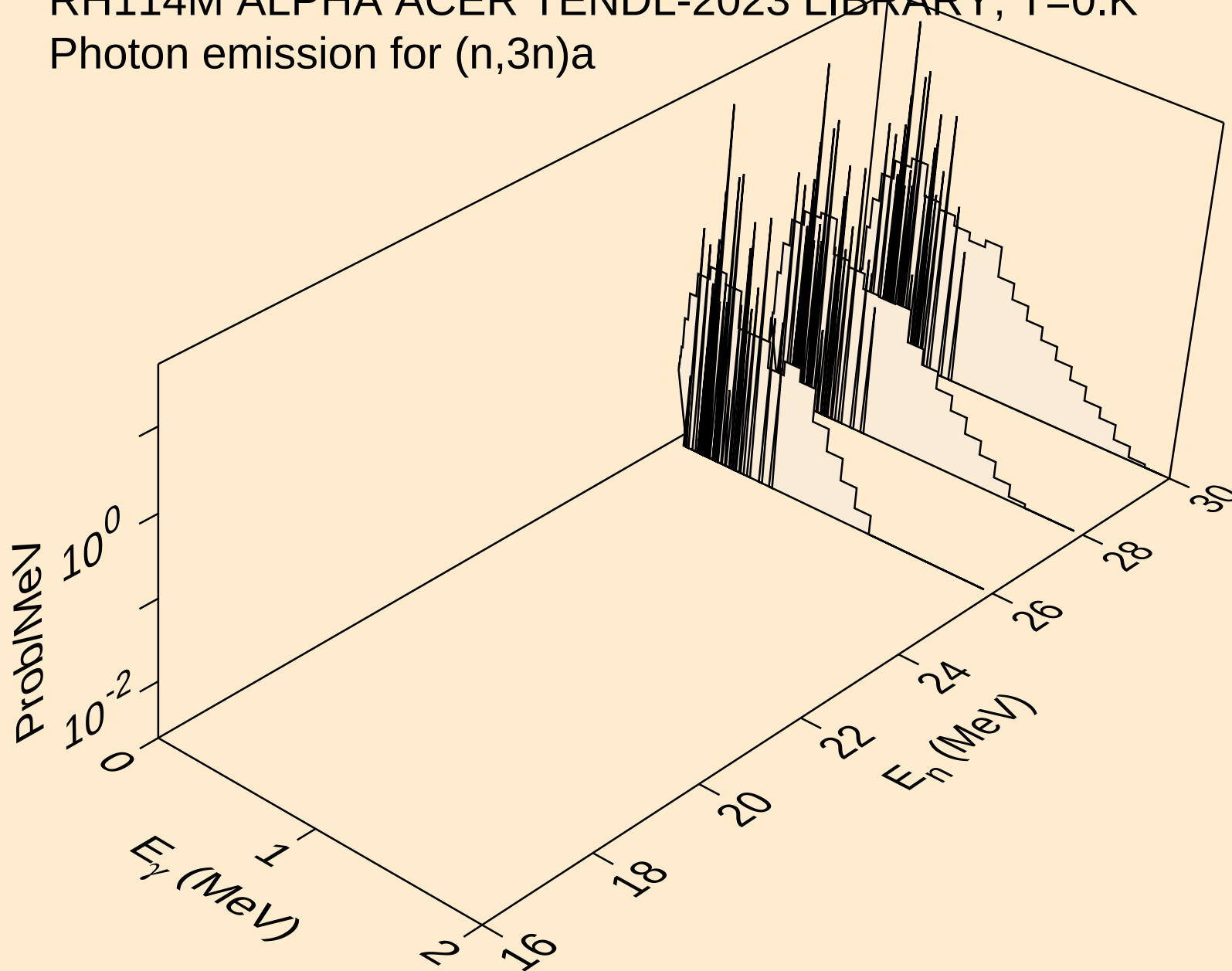
RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

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



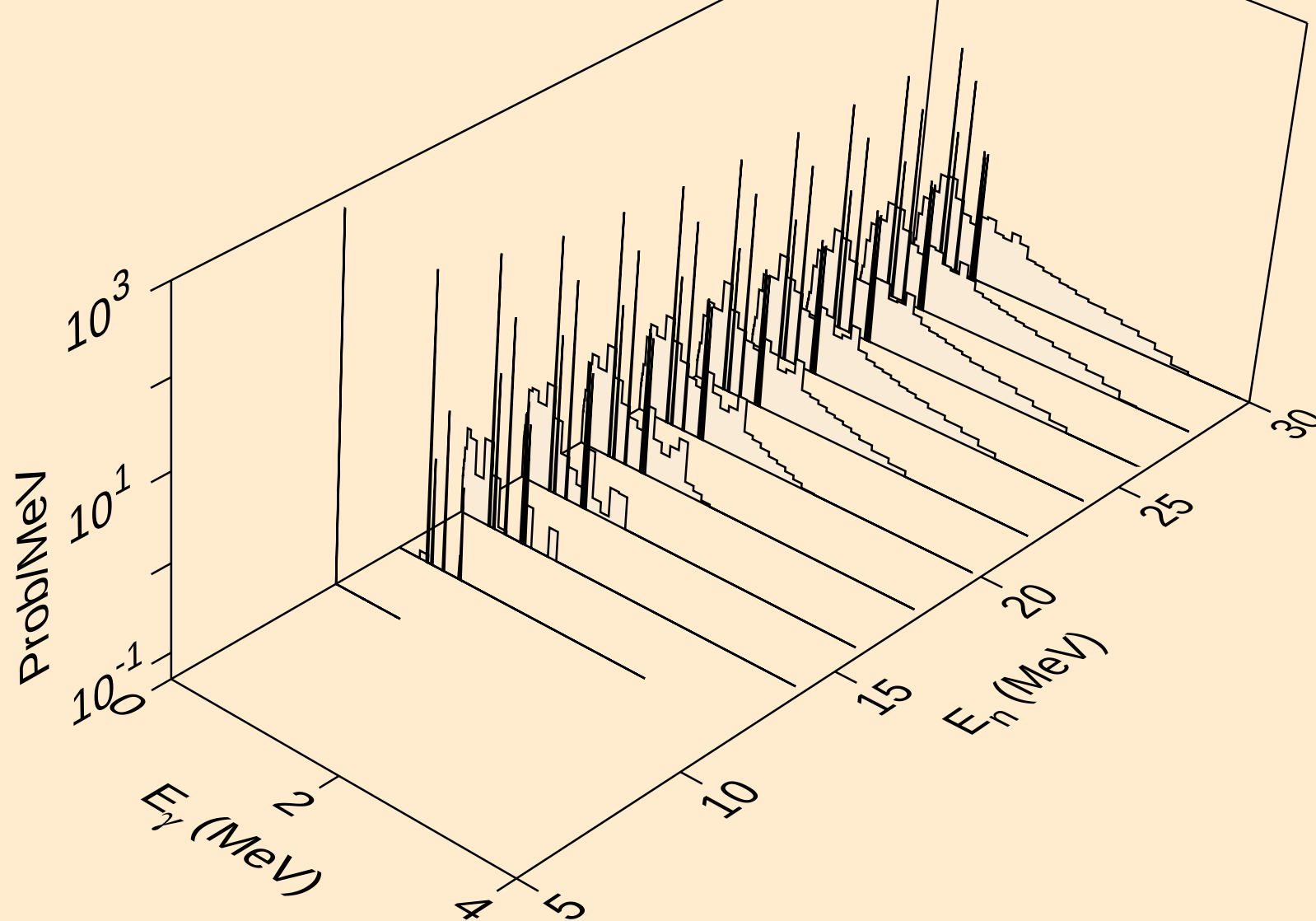
RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,3n) $\alpha$



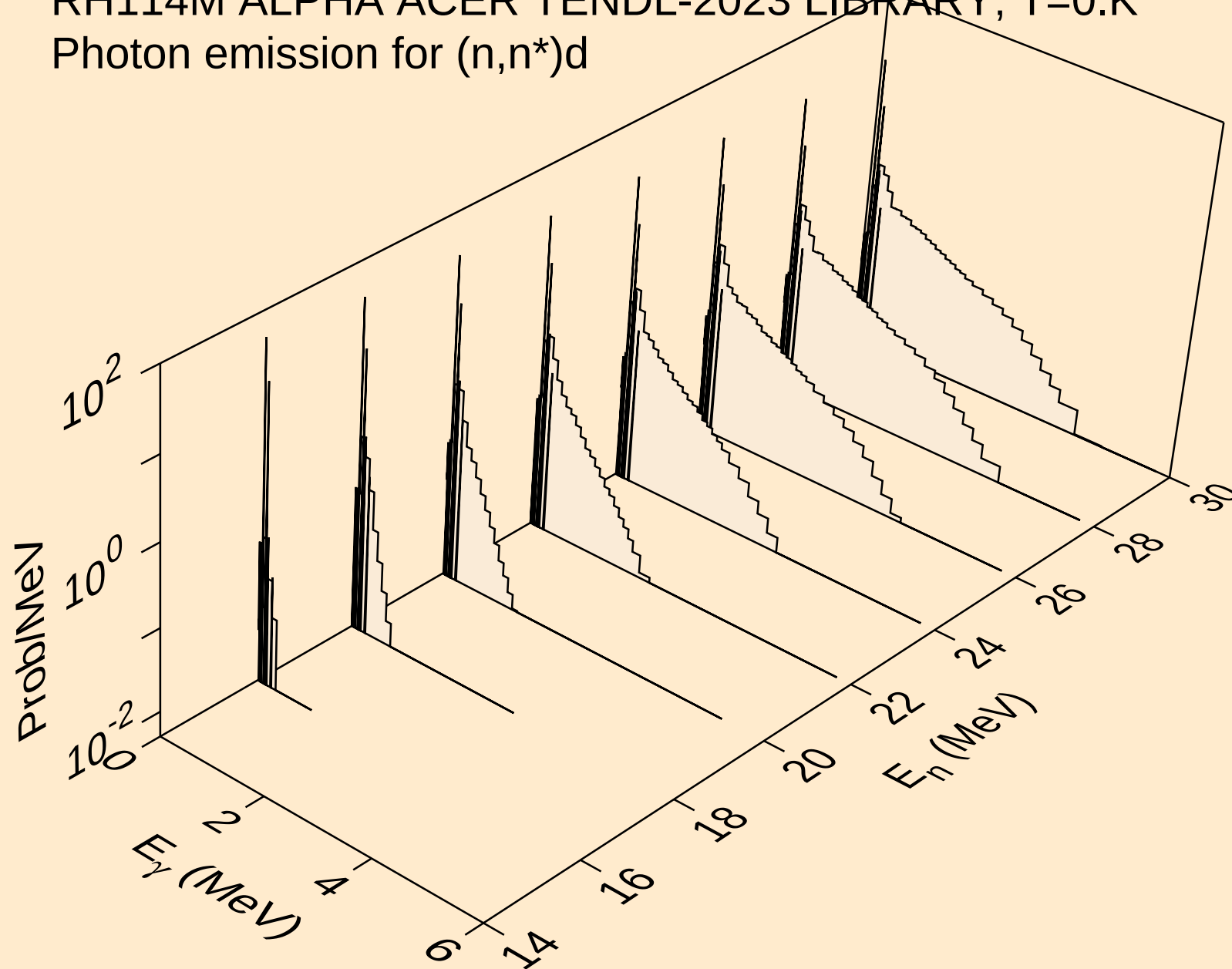
RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)p



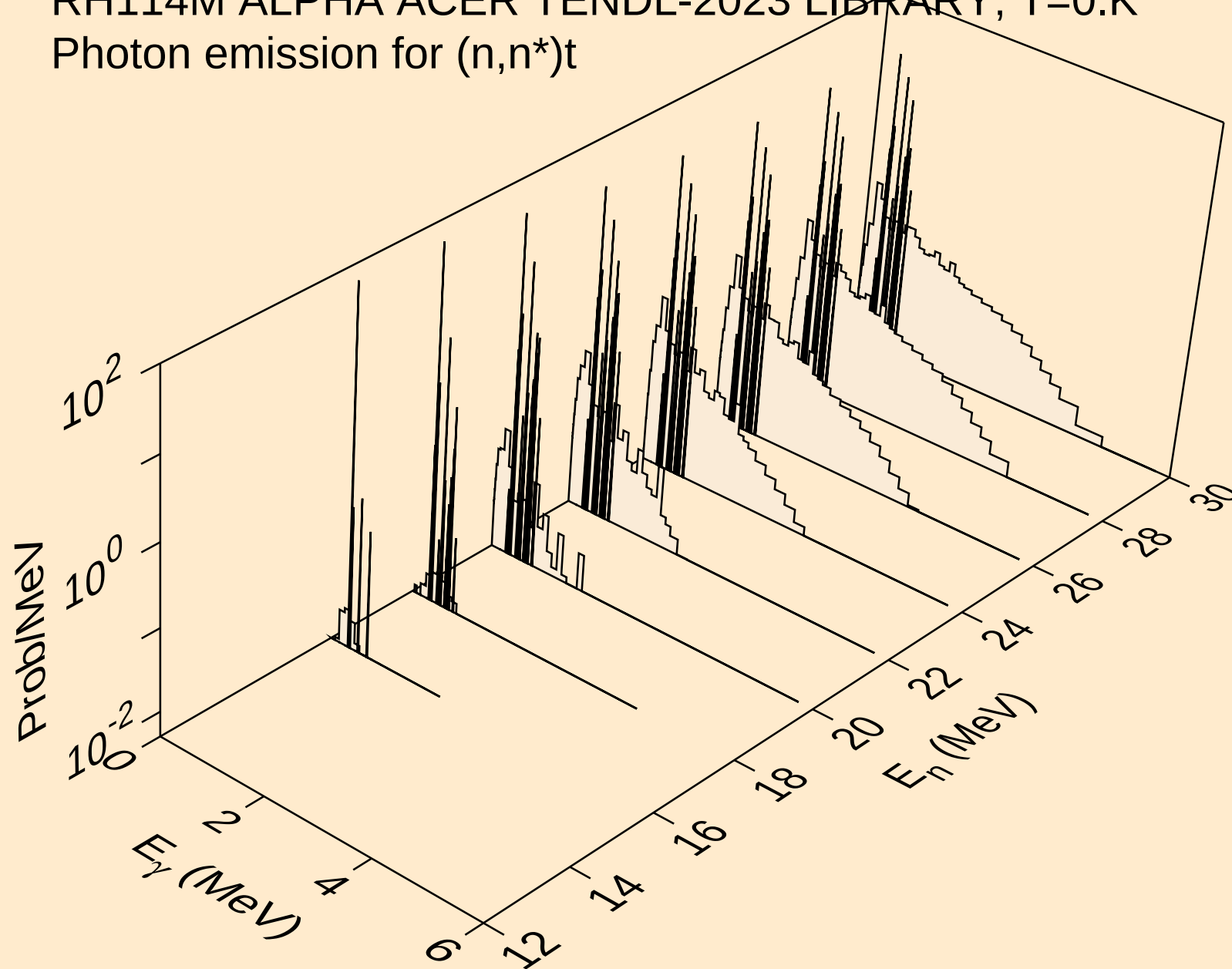
RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)d

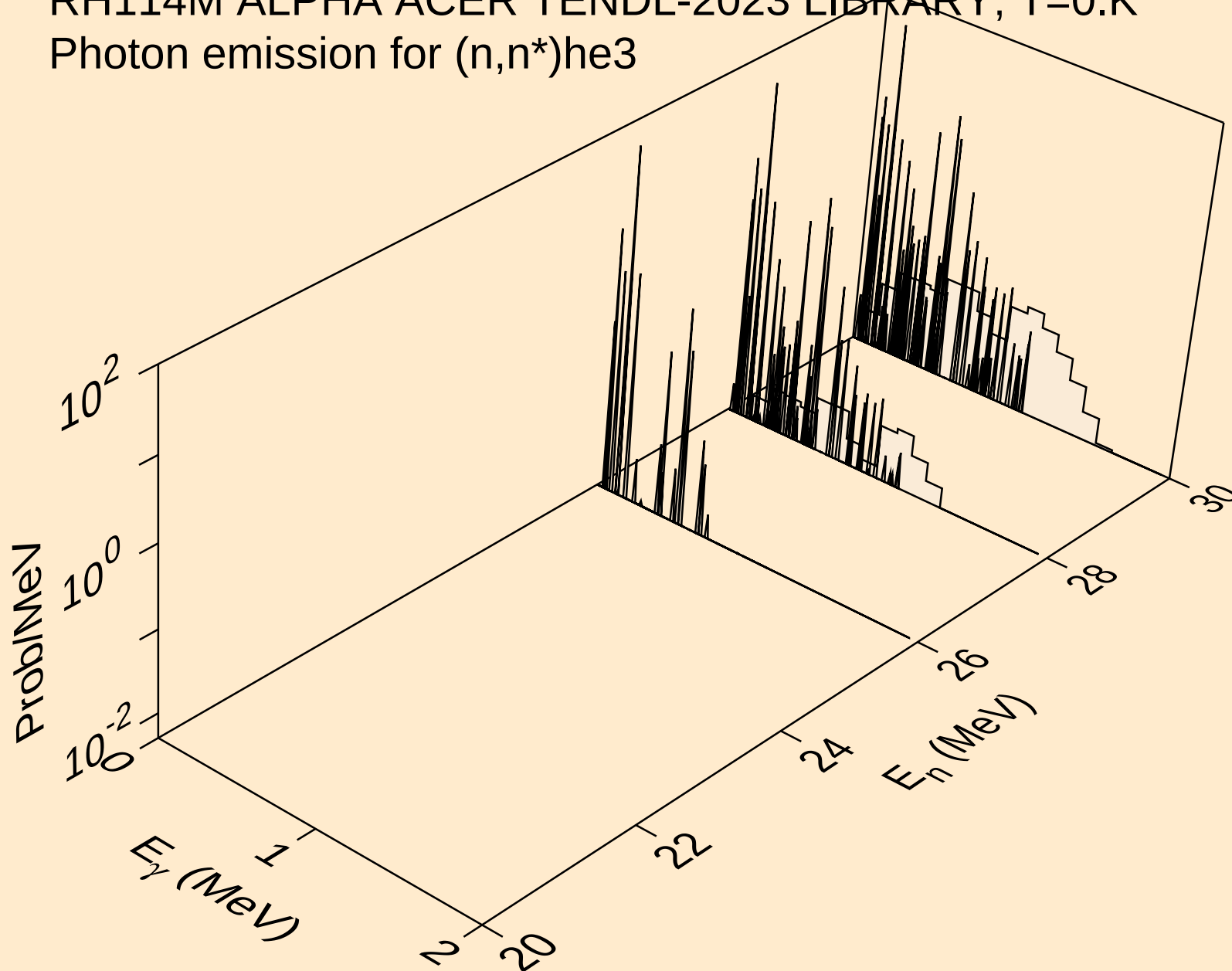


RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

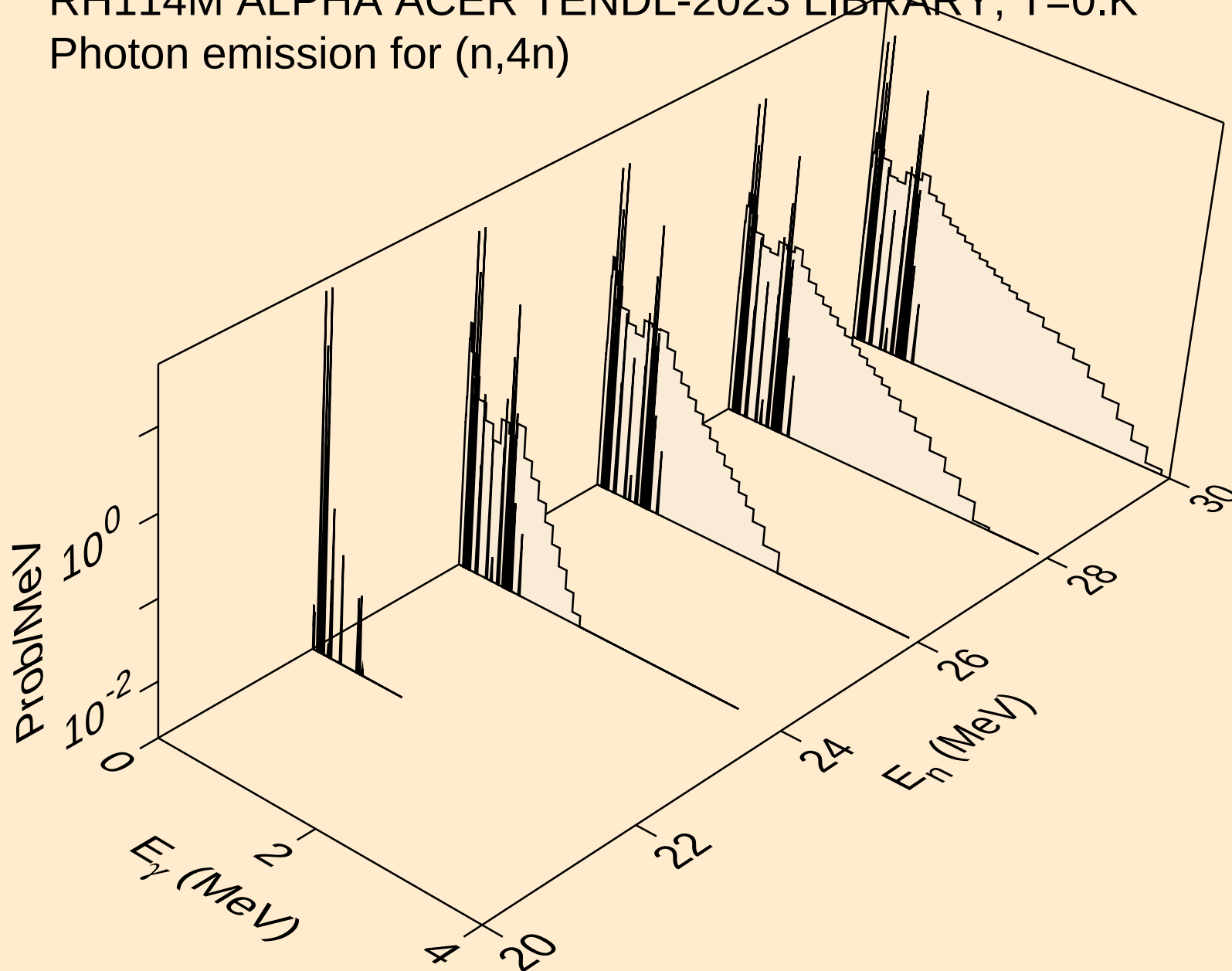
Photon emission for (n,n\*)t



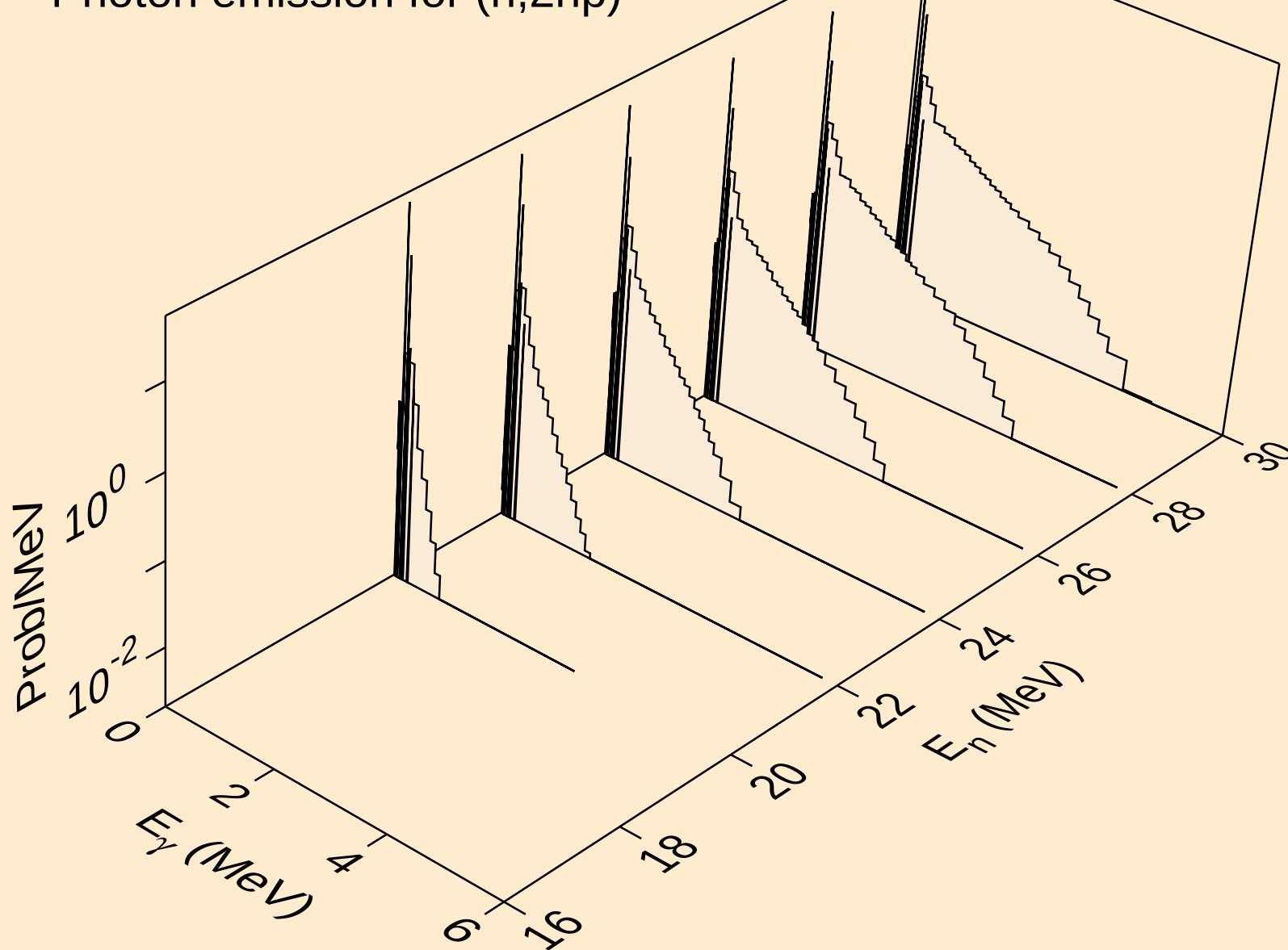
RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



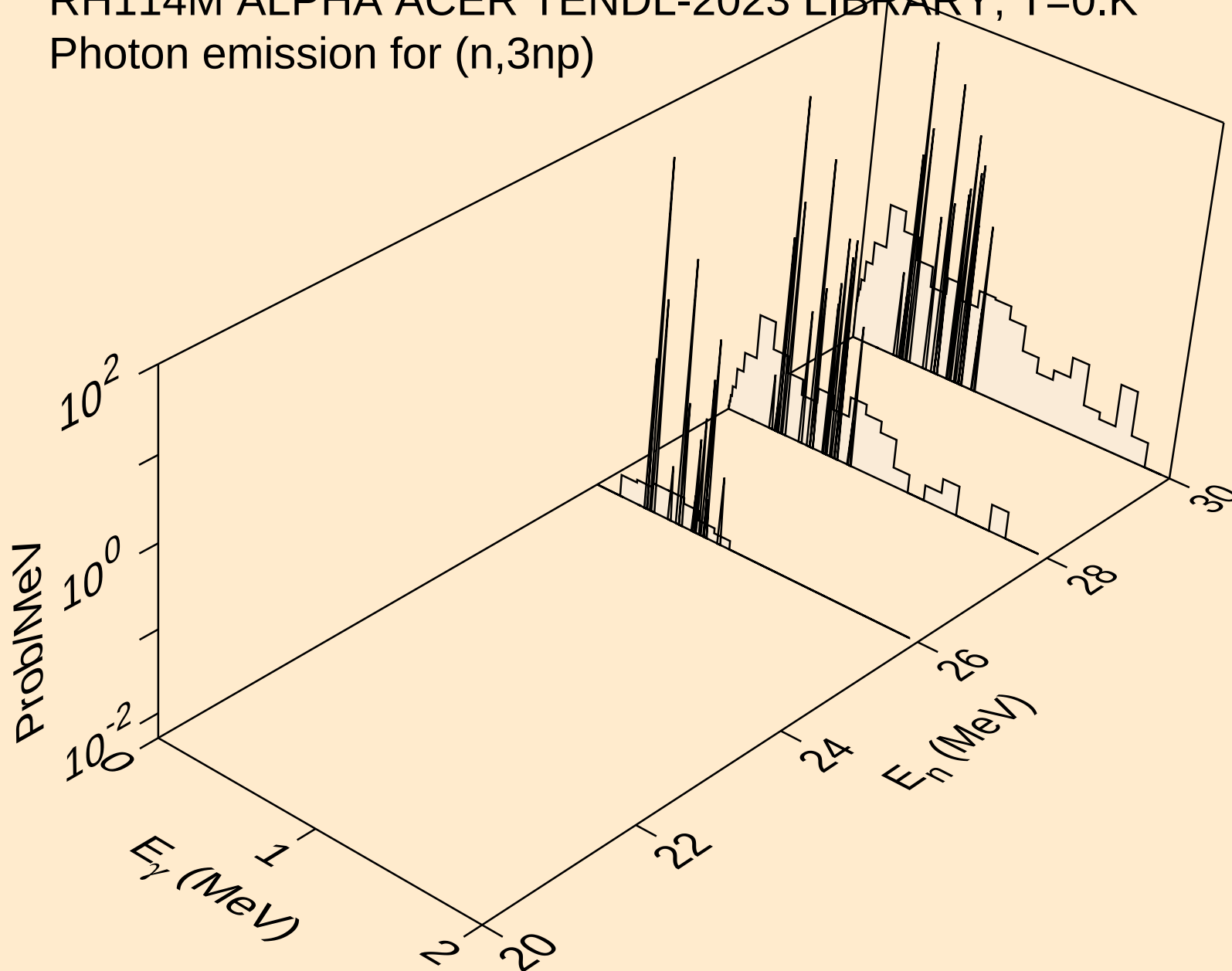
RH114M ALPHA ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,4n)



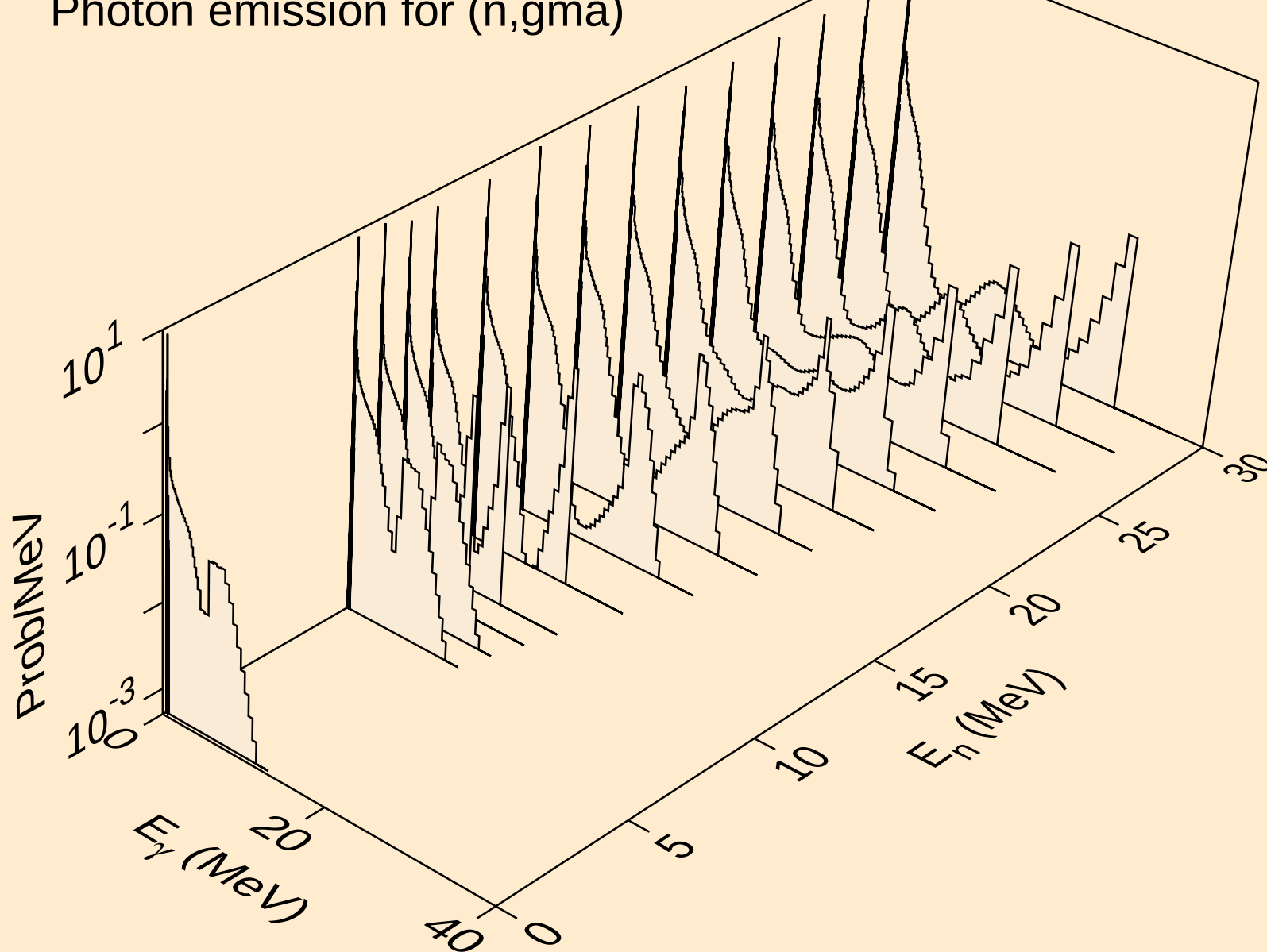
RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



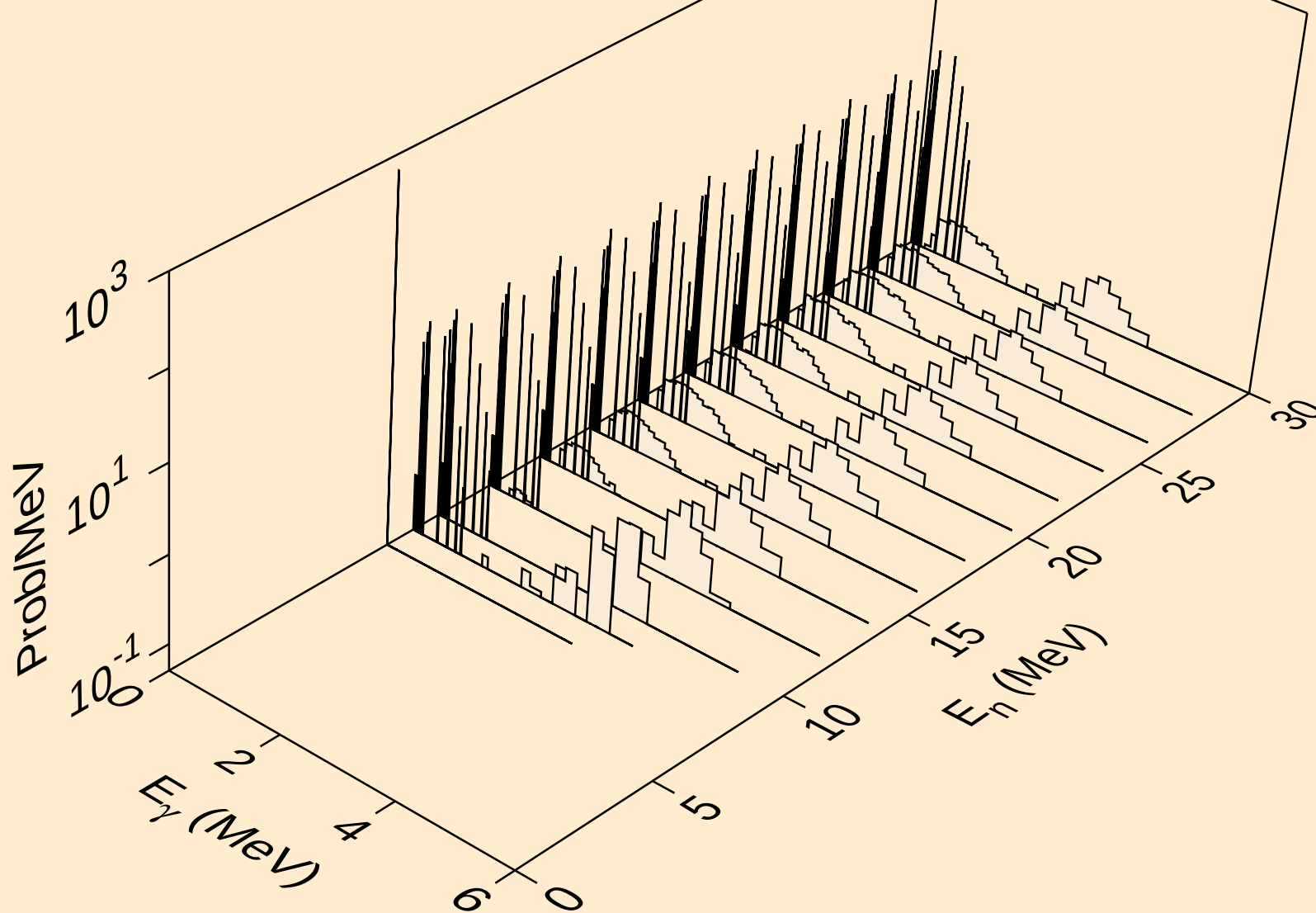
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Photon emission for (n,3np)



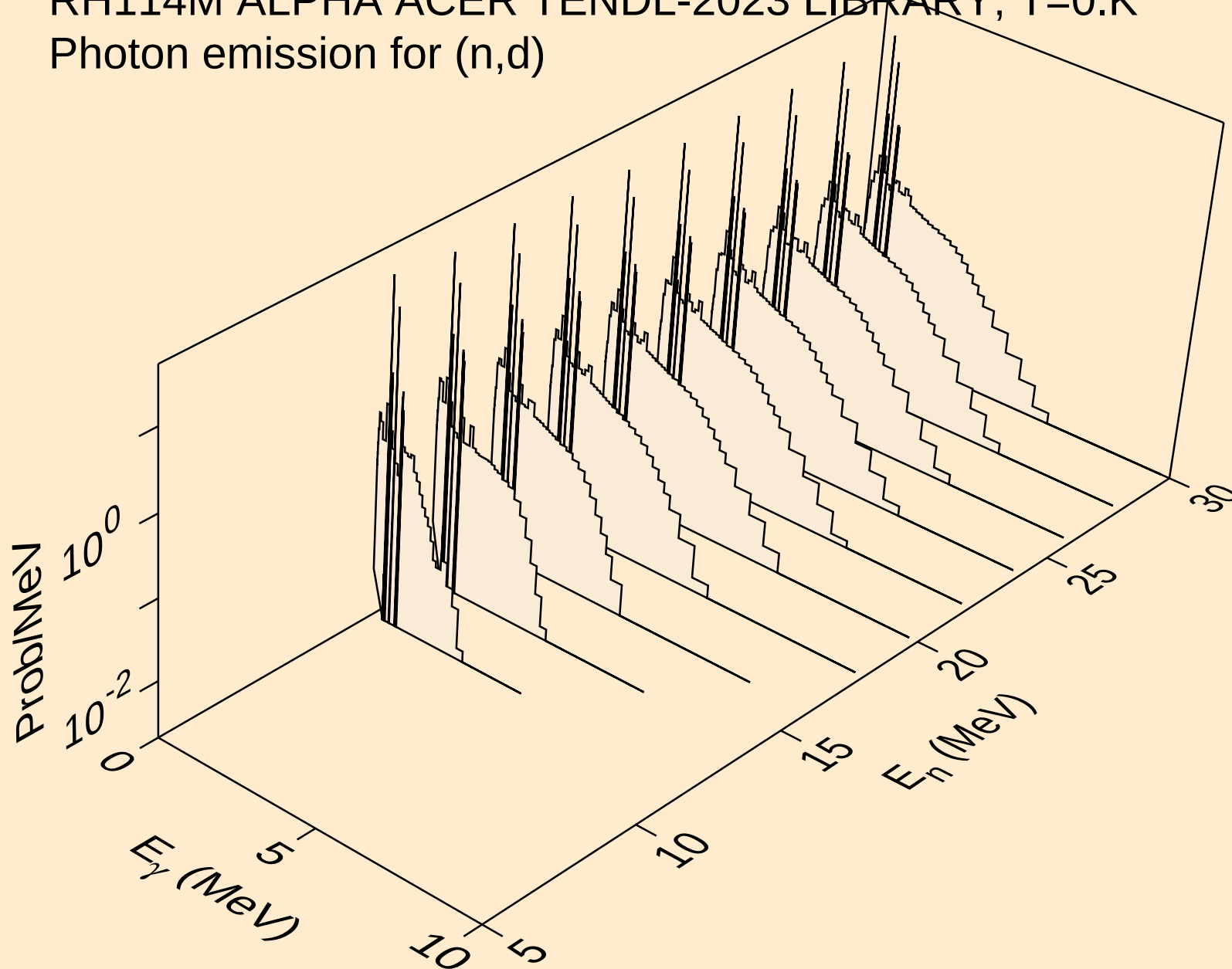
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Photon emission for (n,gma)



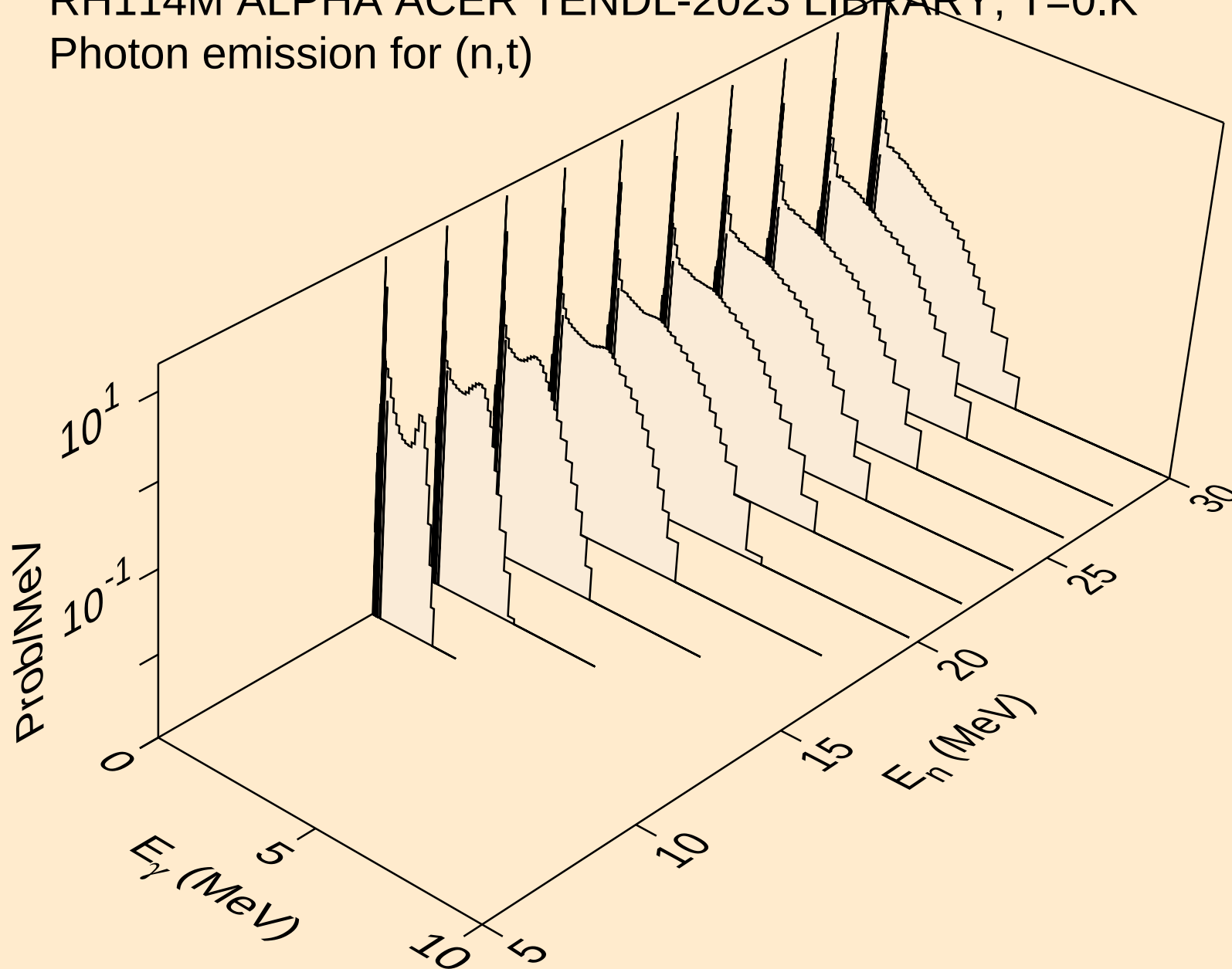
RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



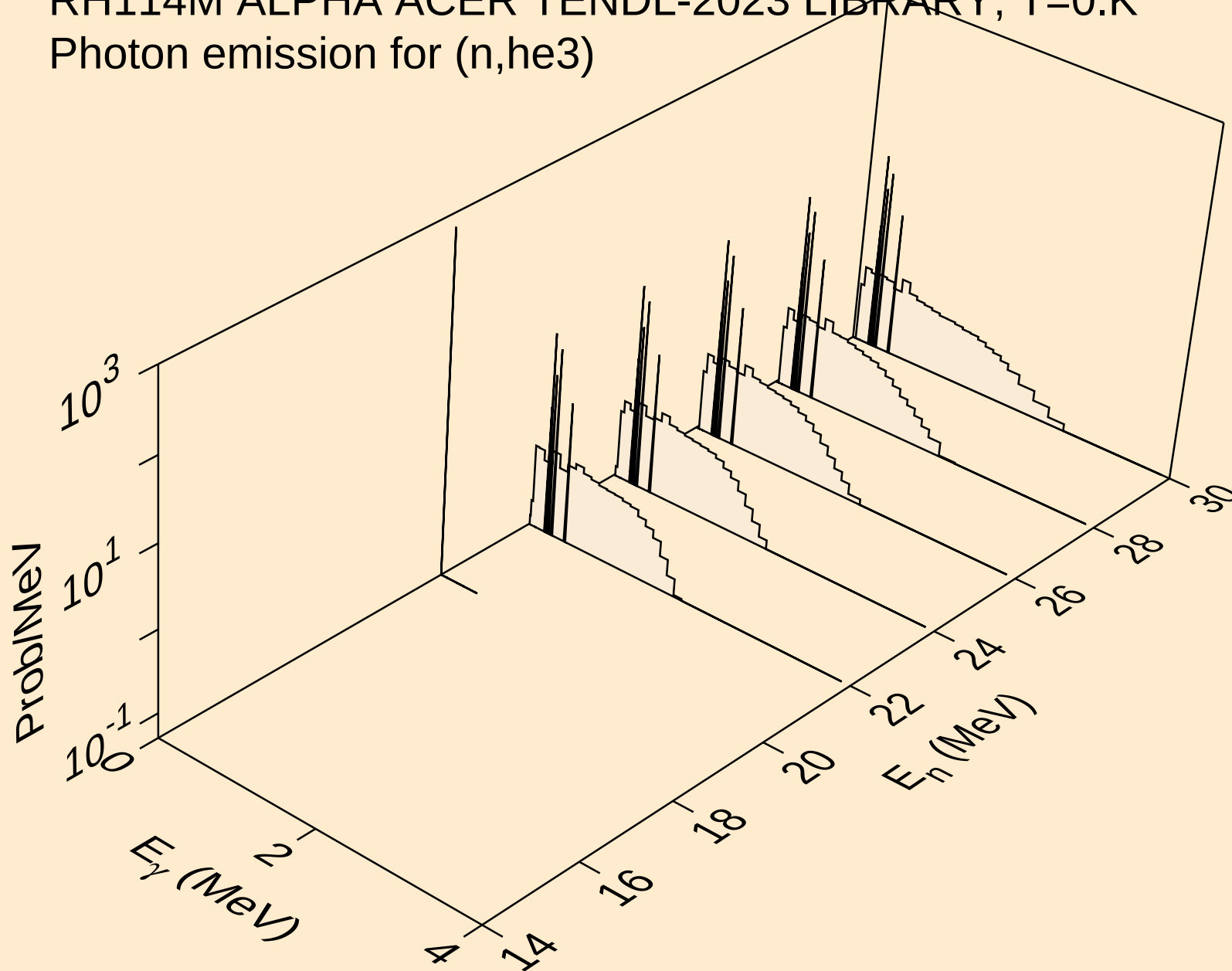
RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



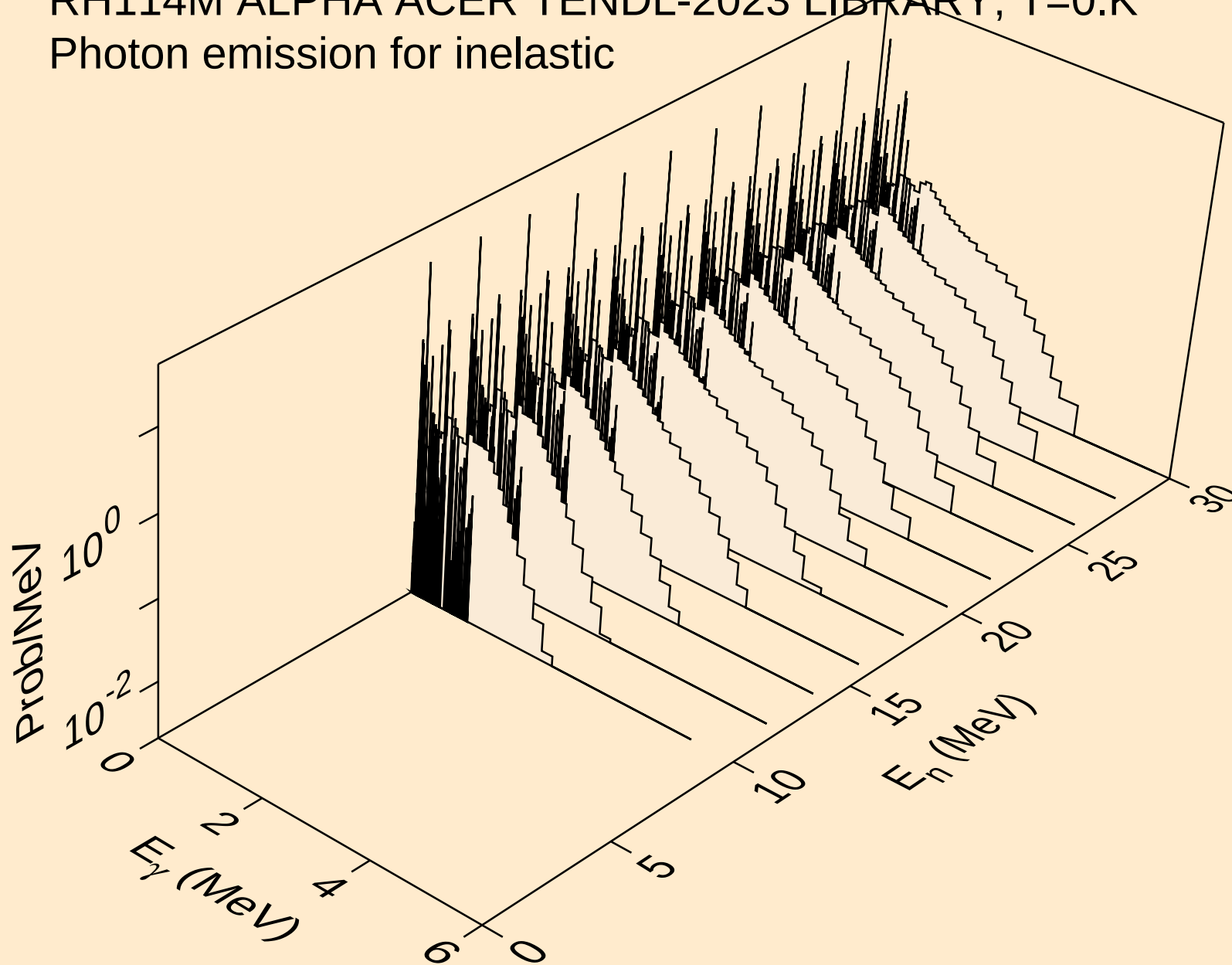
RH114M ALPHA ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,t)



RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)

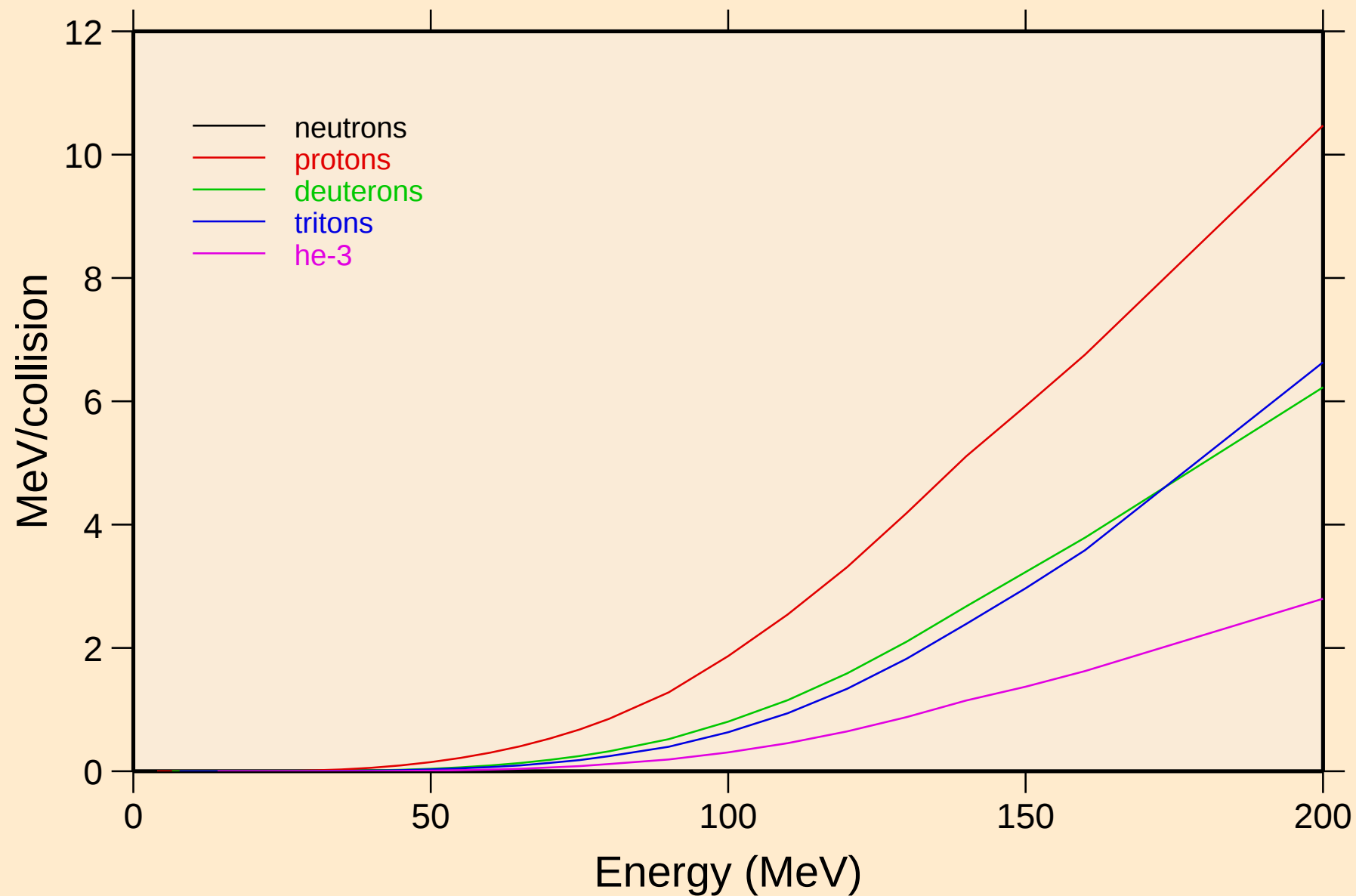


RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



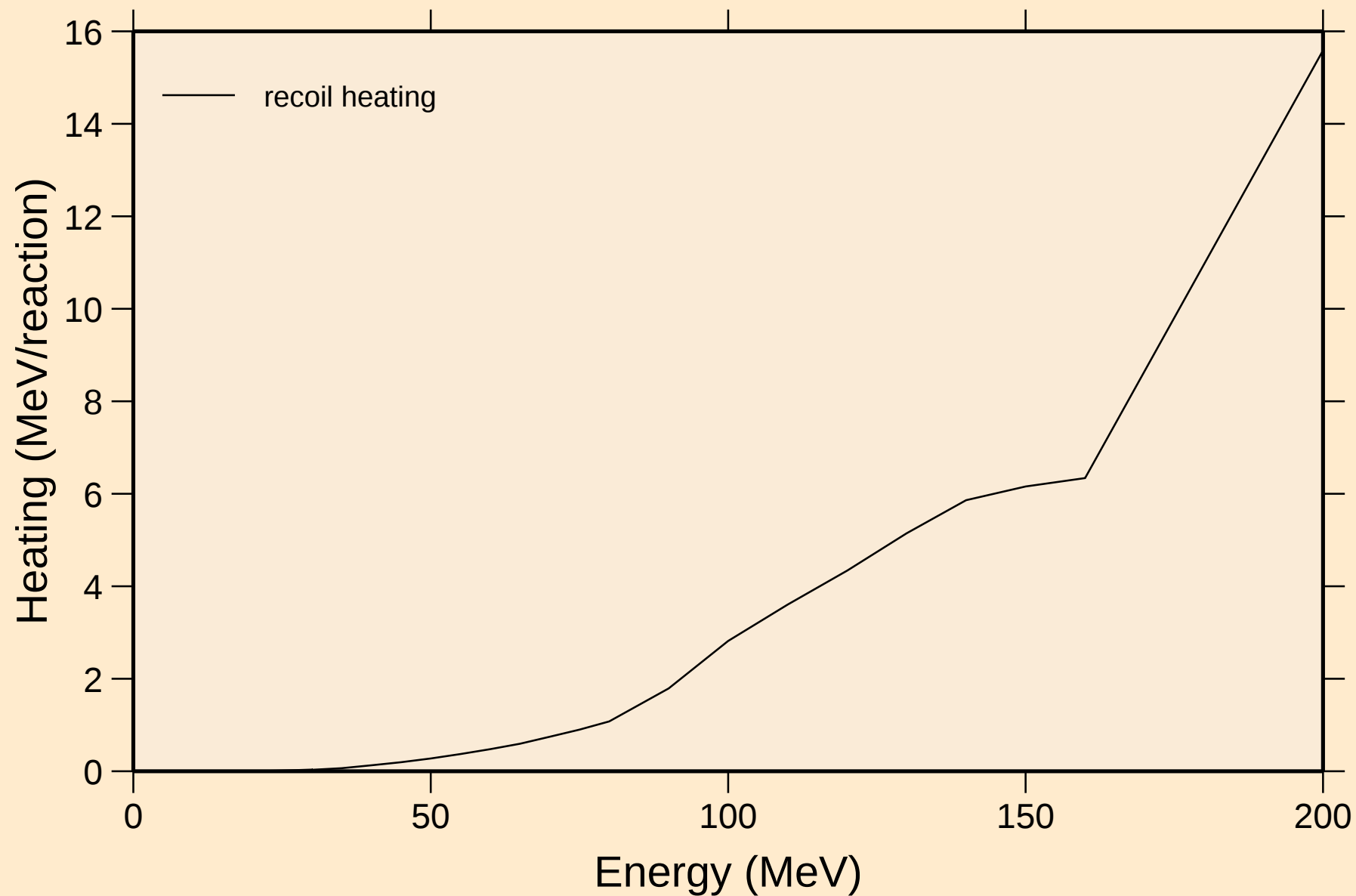
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## Particle heating contributions



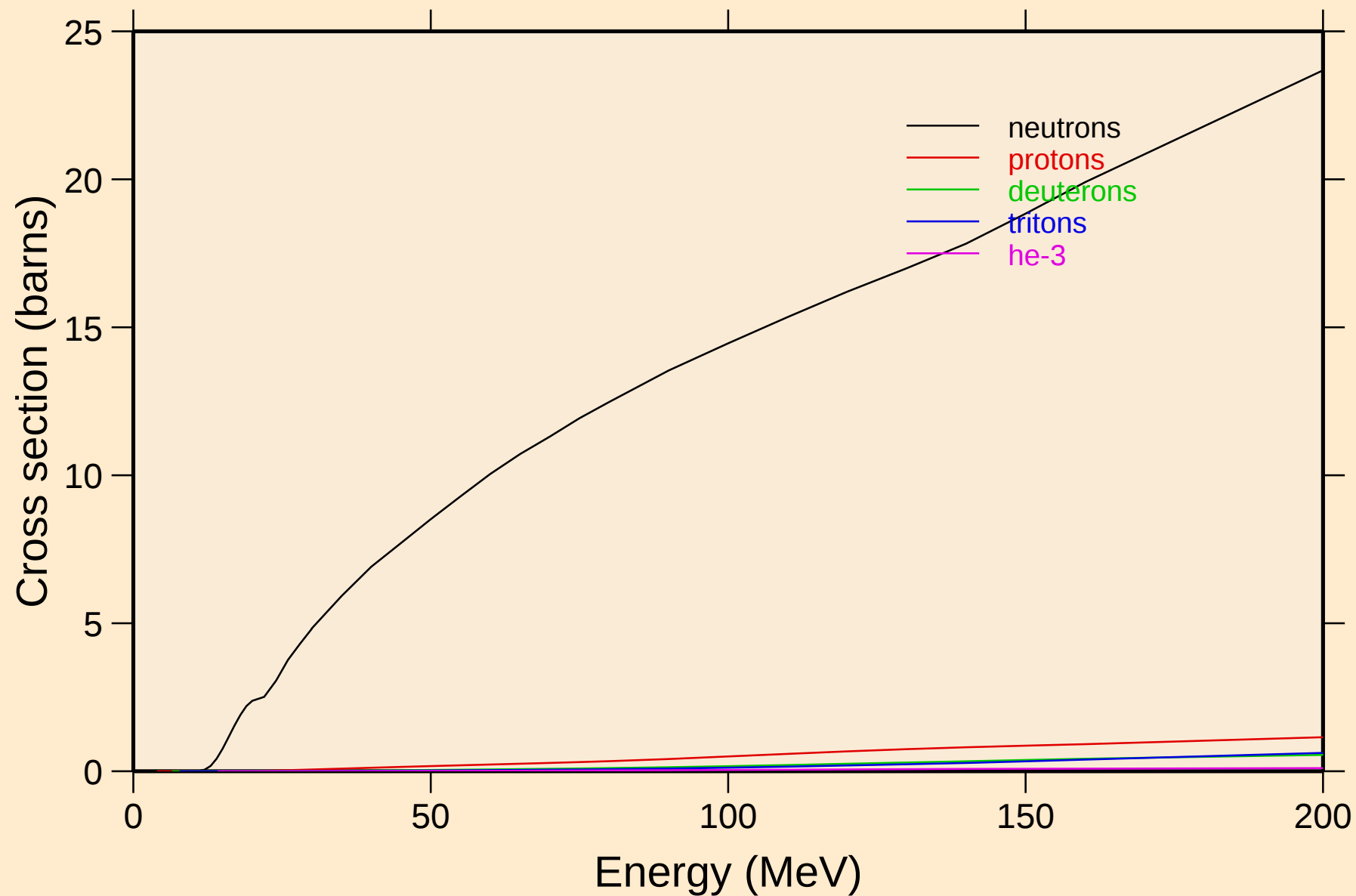
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Recoil Heating

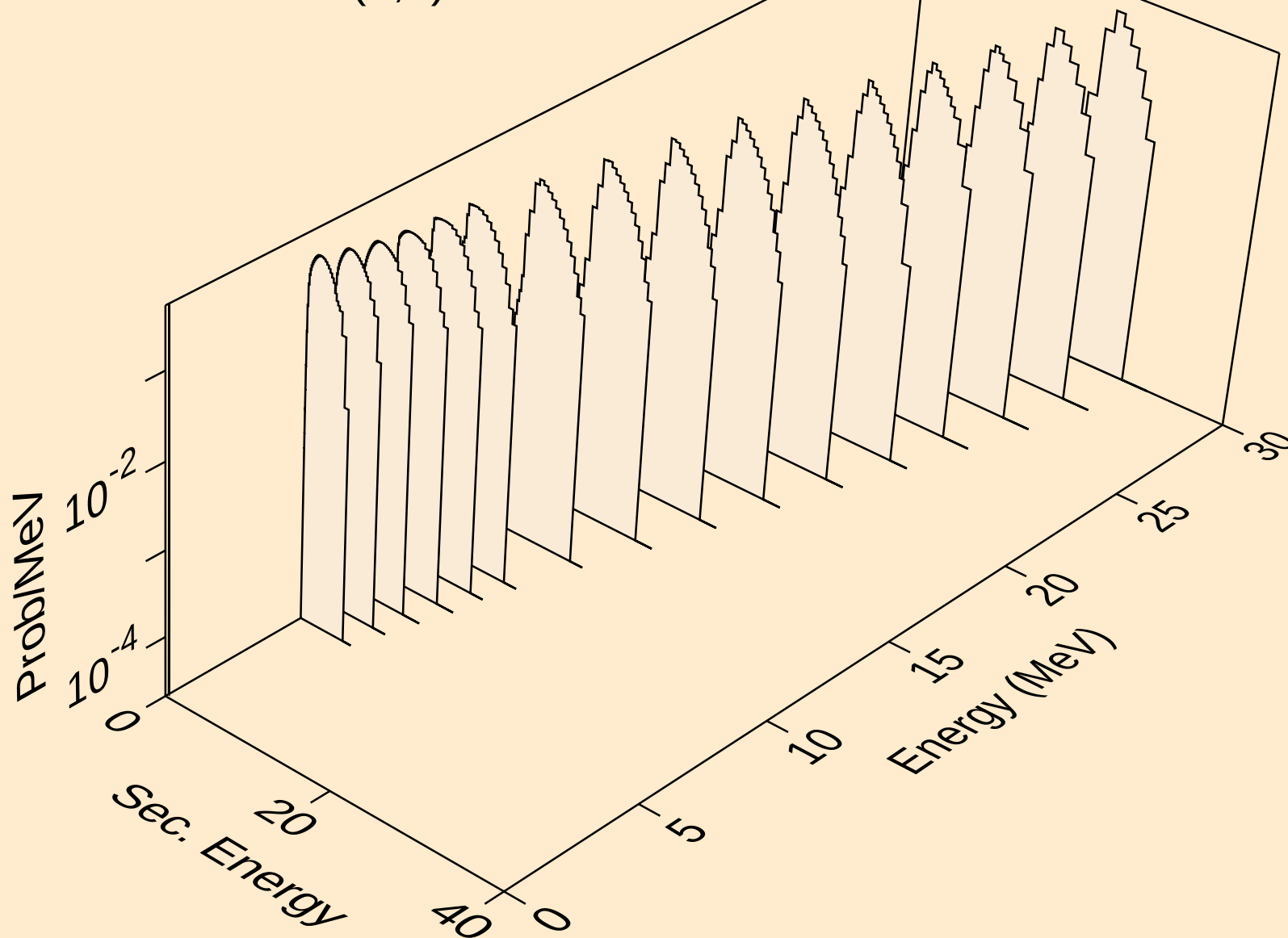


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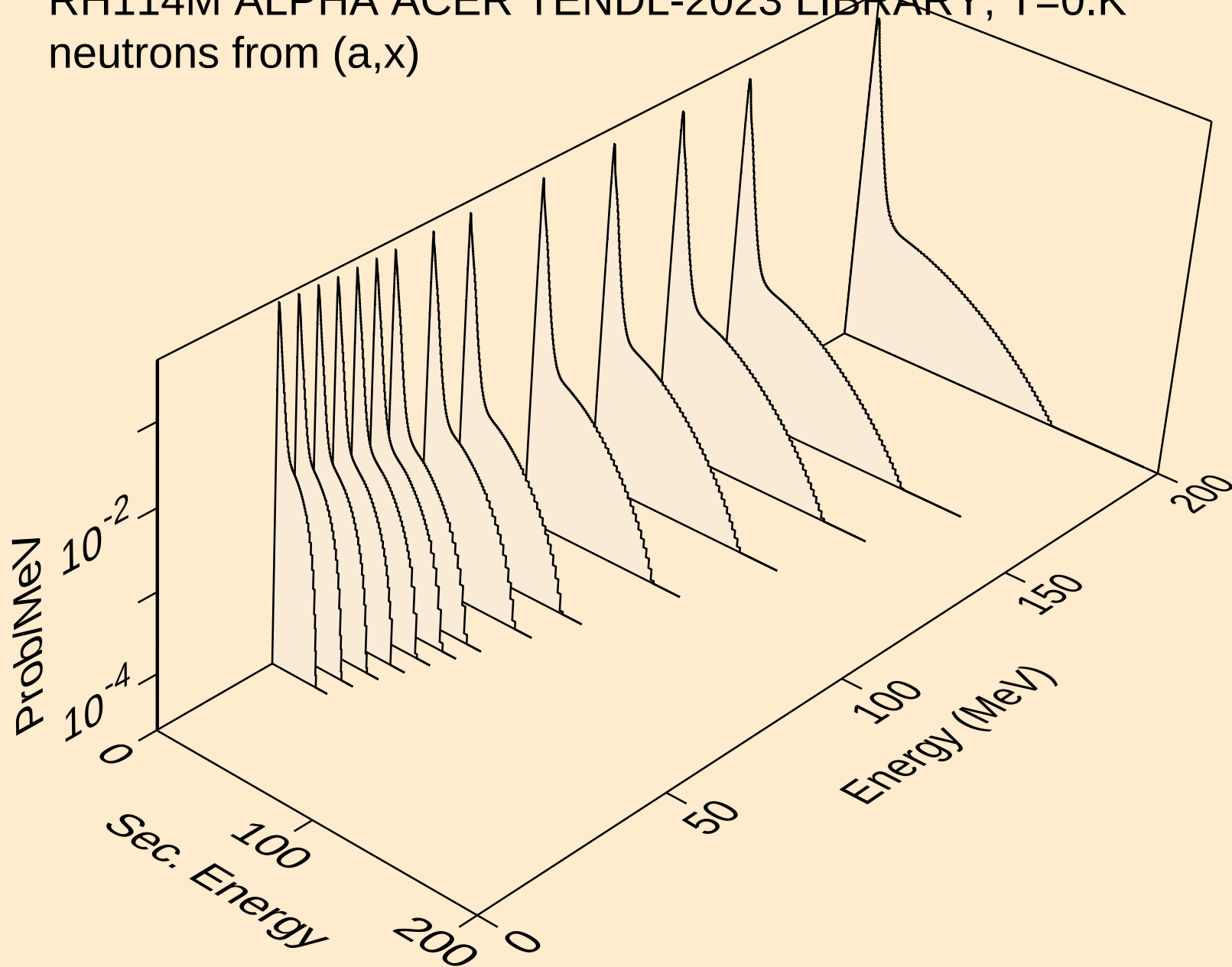
## Particle production cross sections



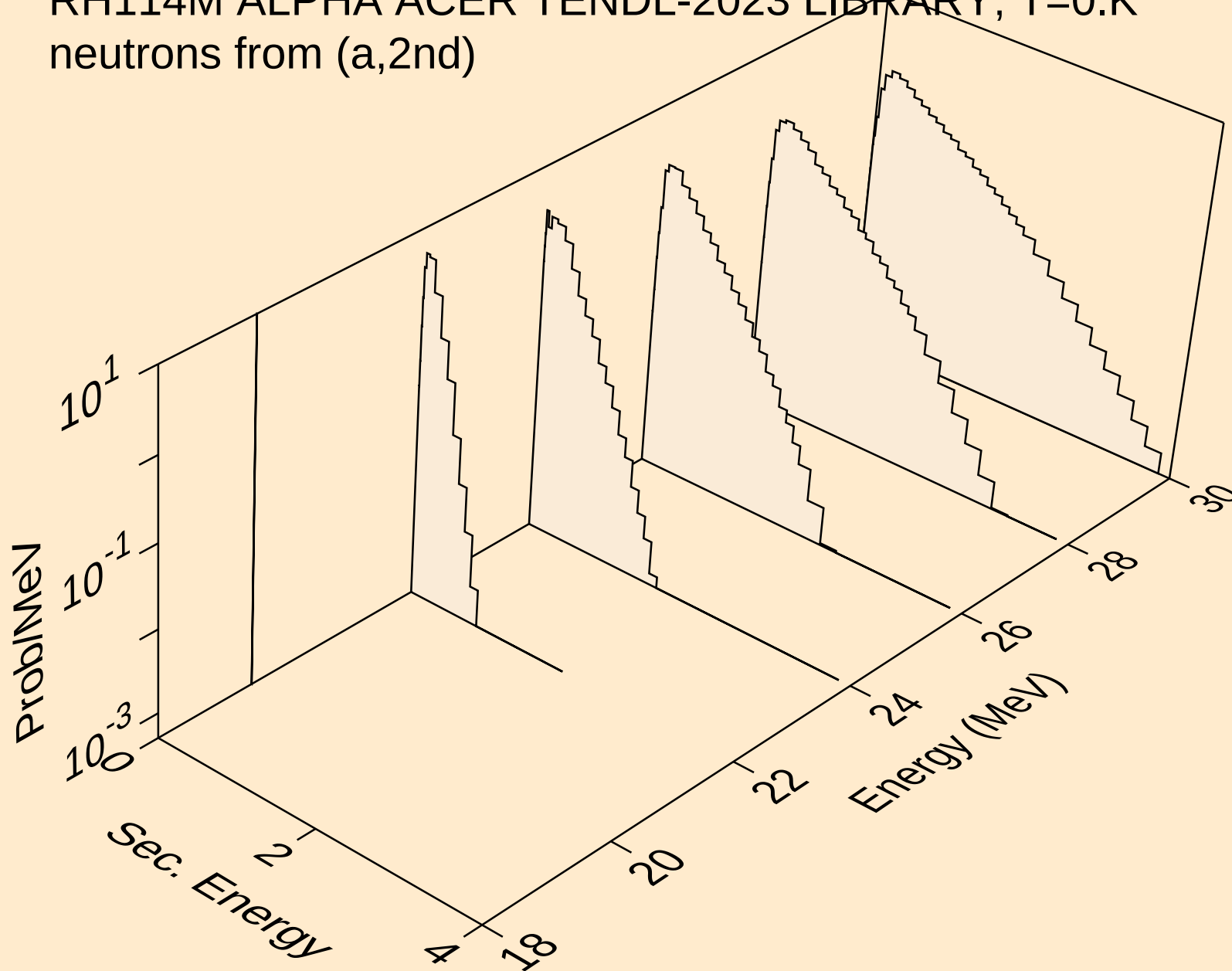
RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n)



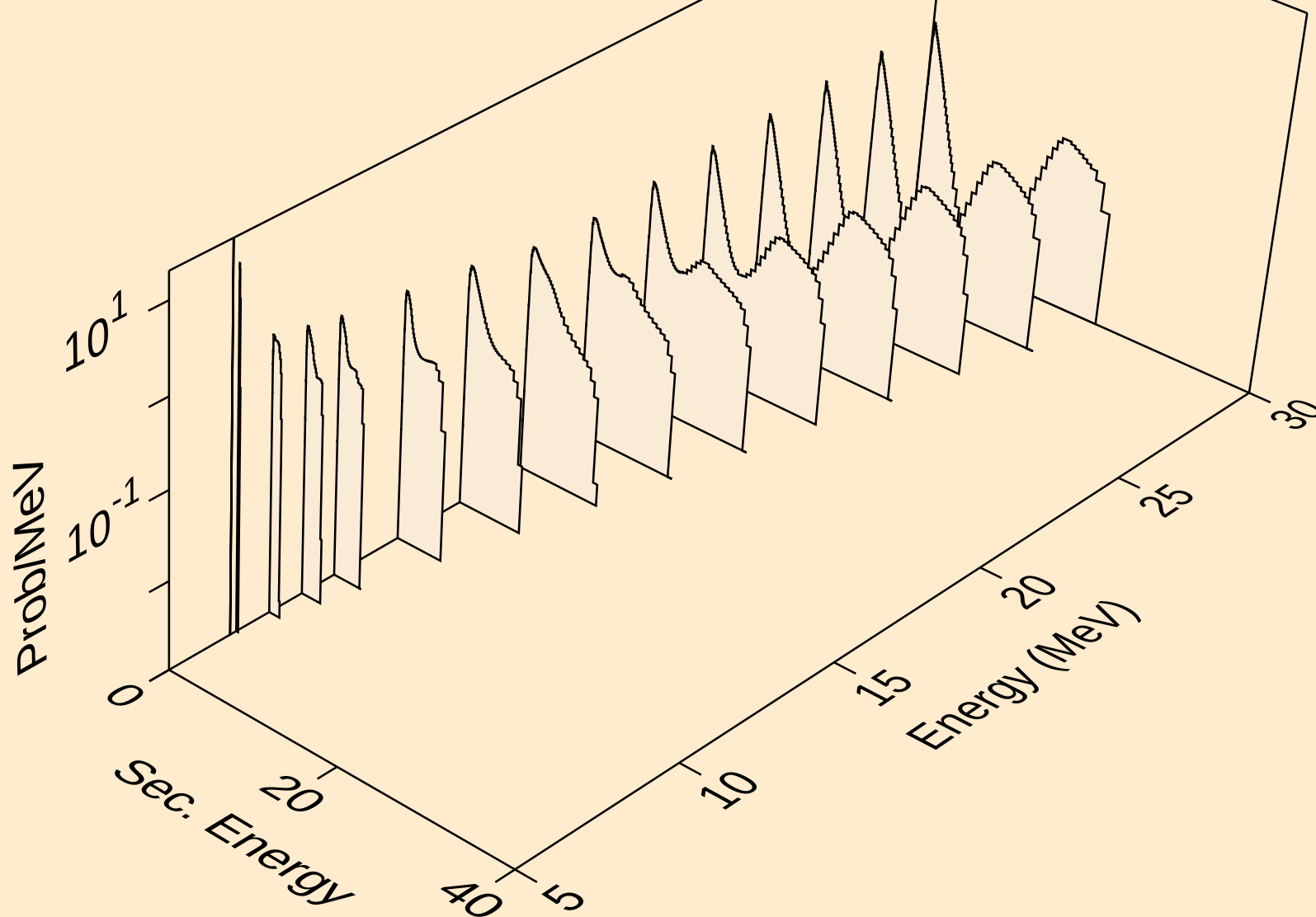
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neutrons from (a,x)



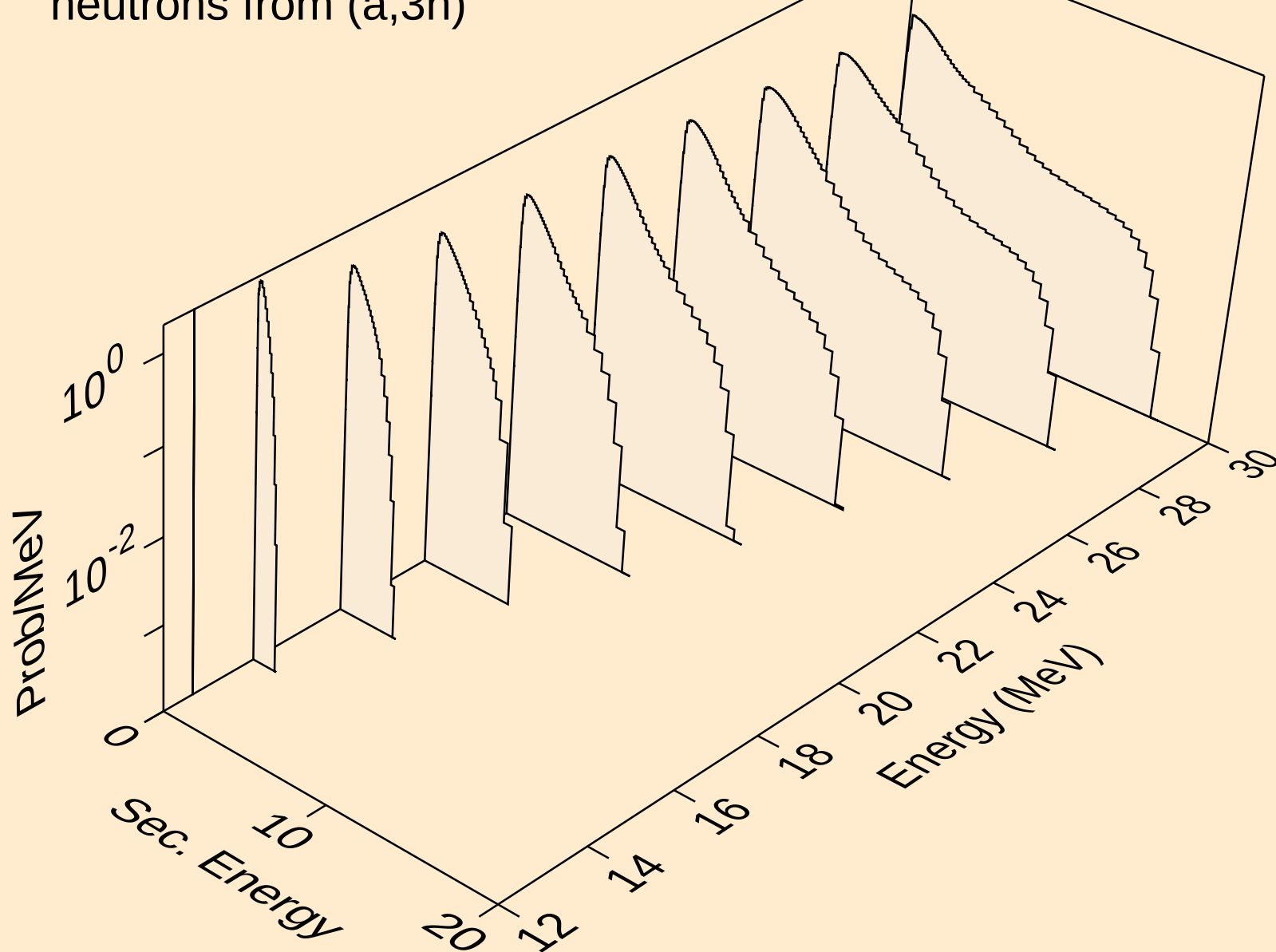
RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2nd)



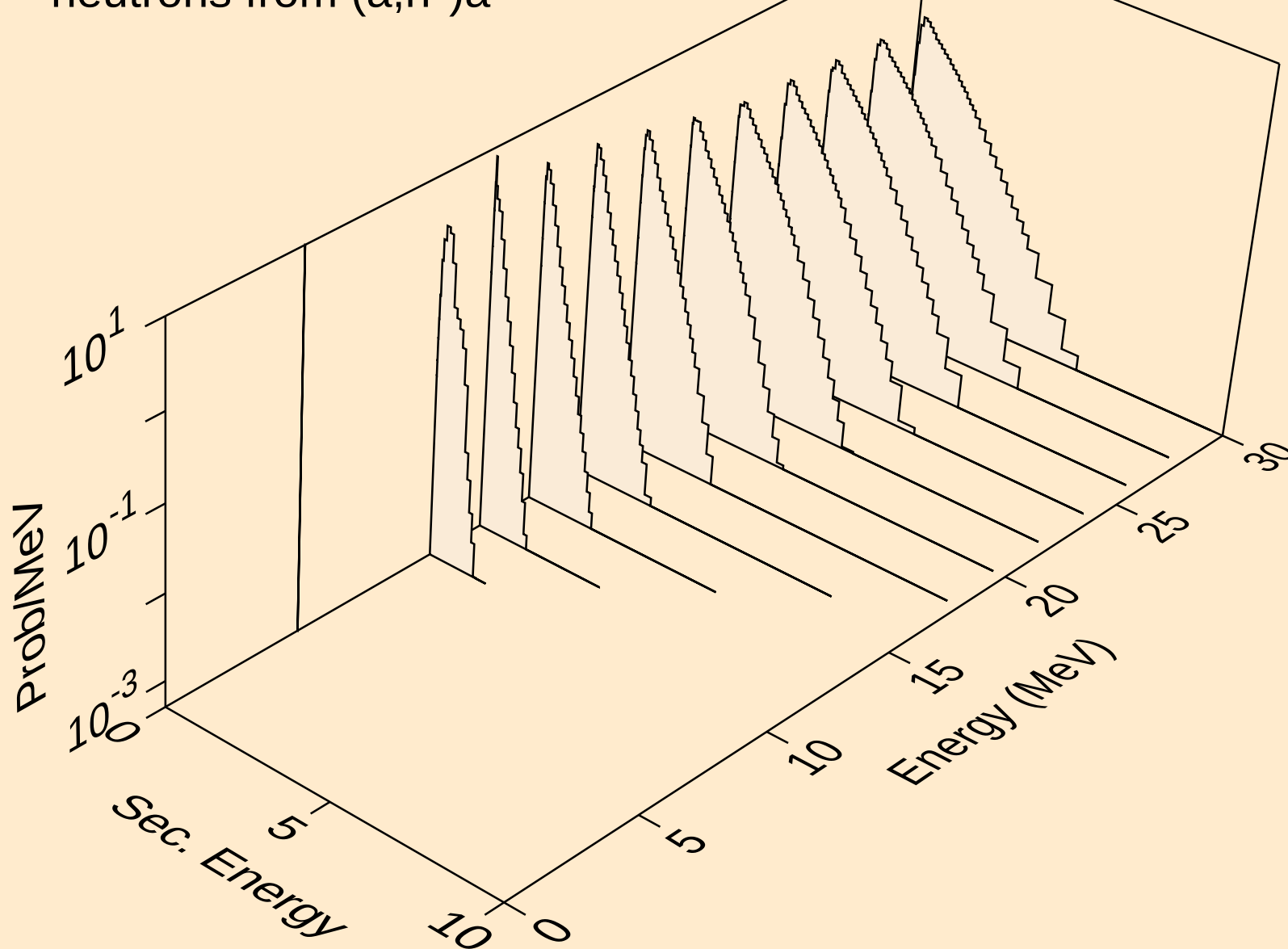
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neutrons from (a,2n)



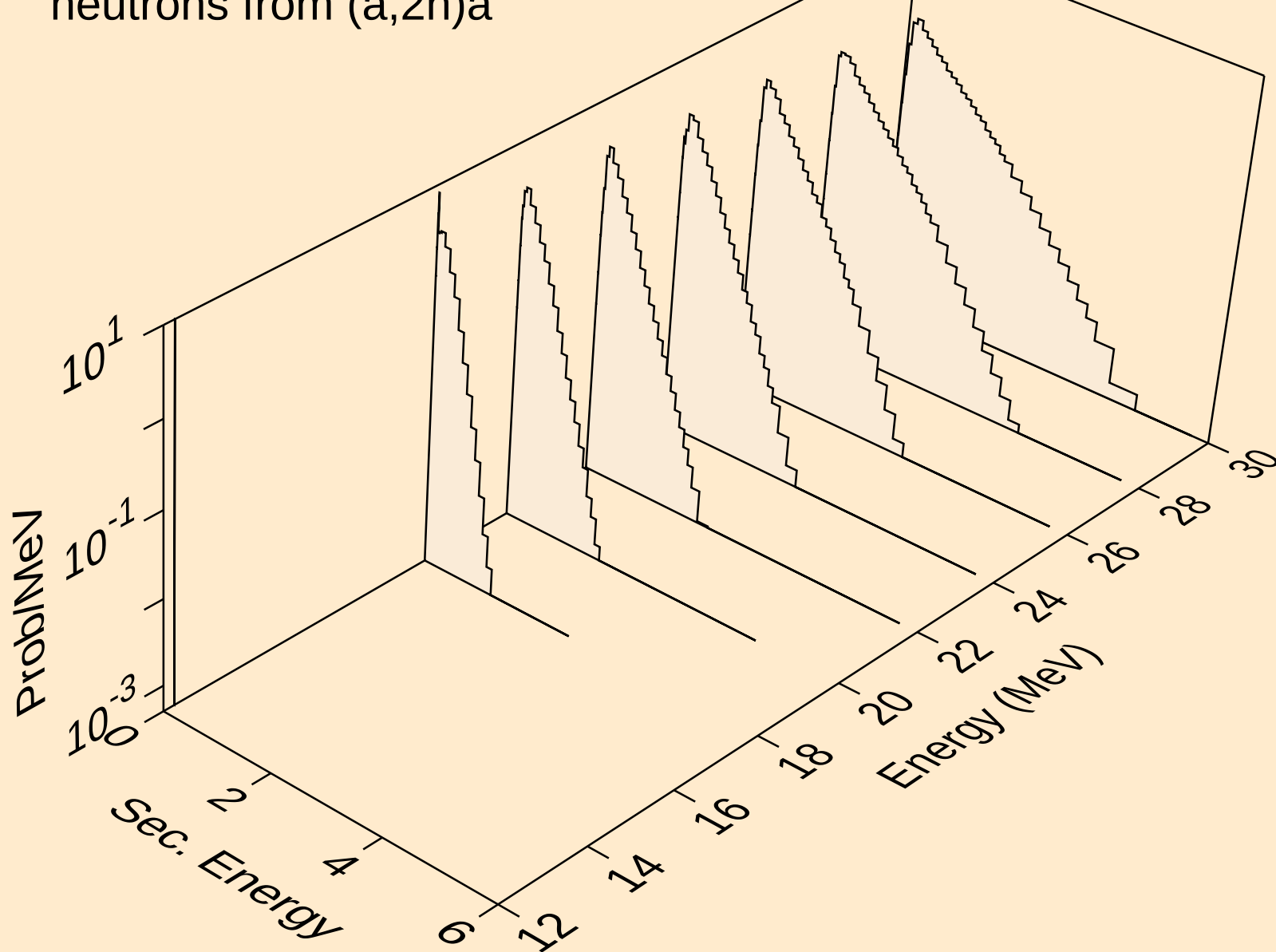
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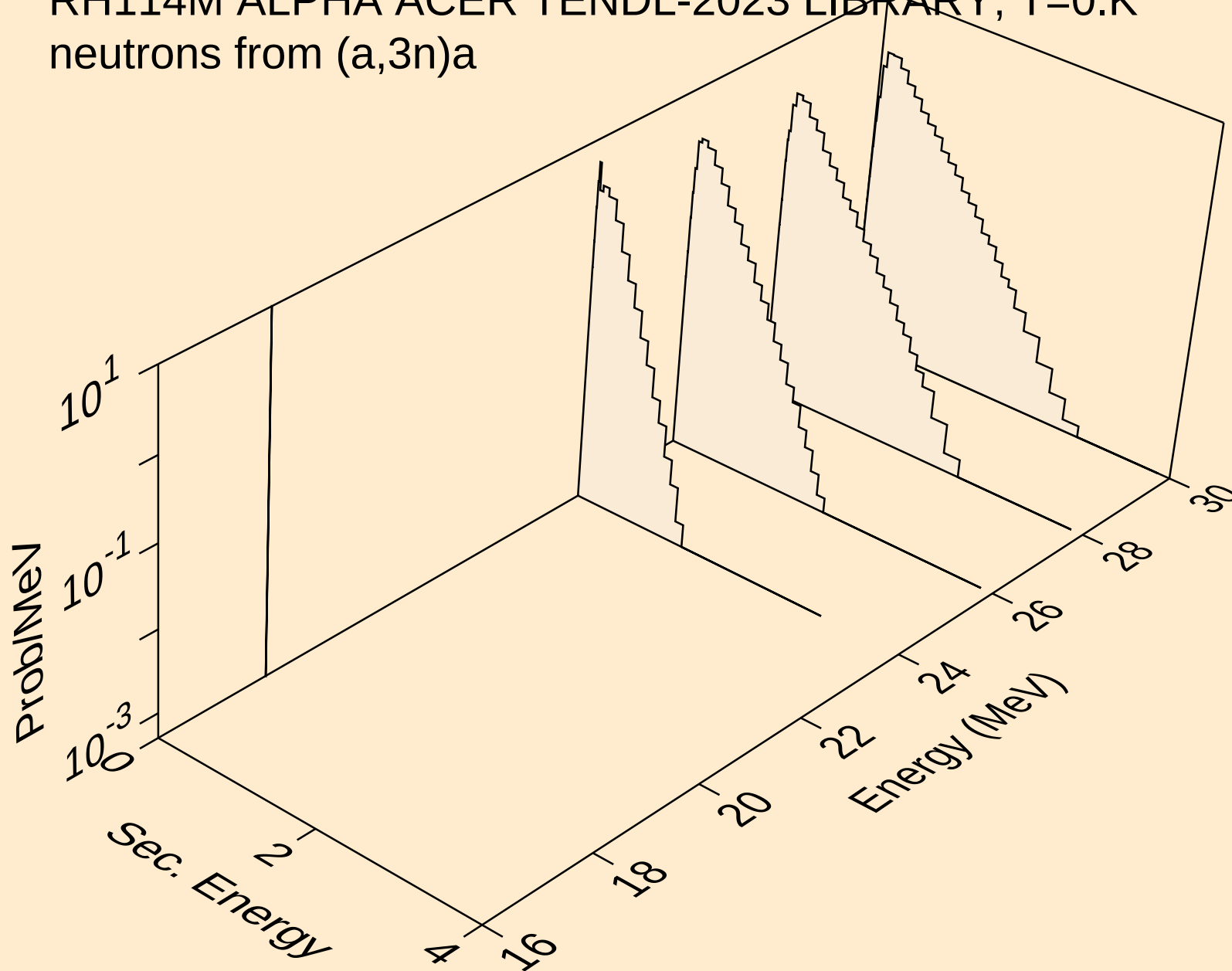
RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)a



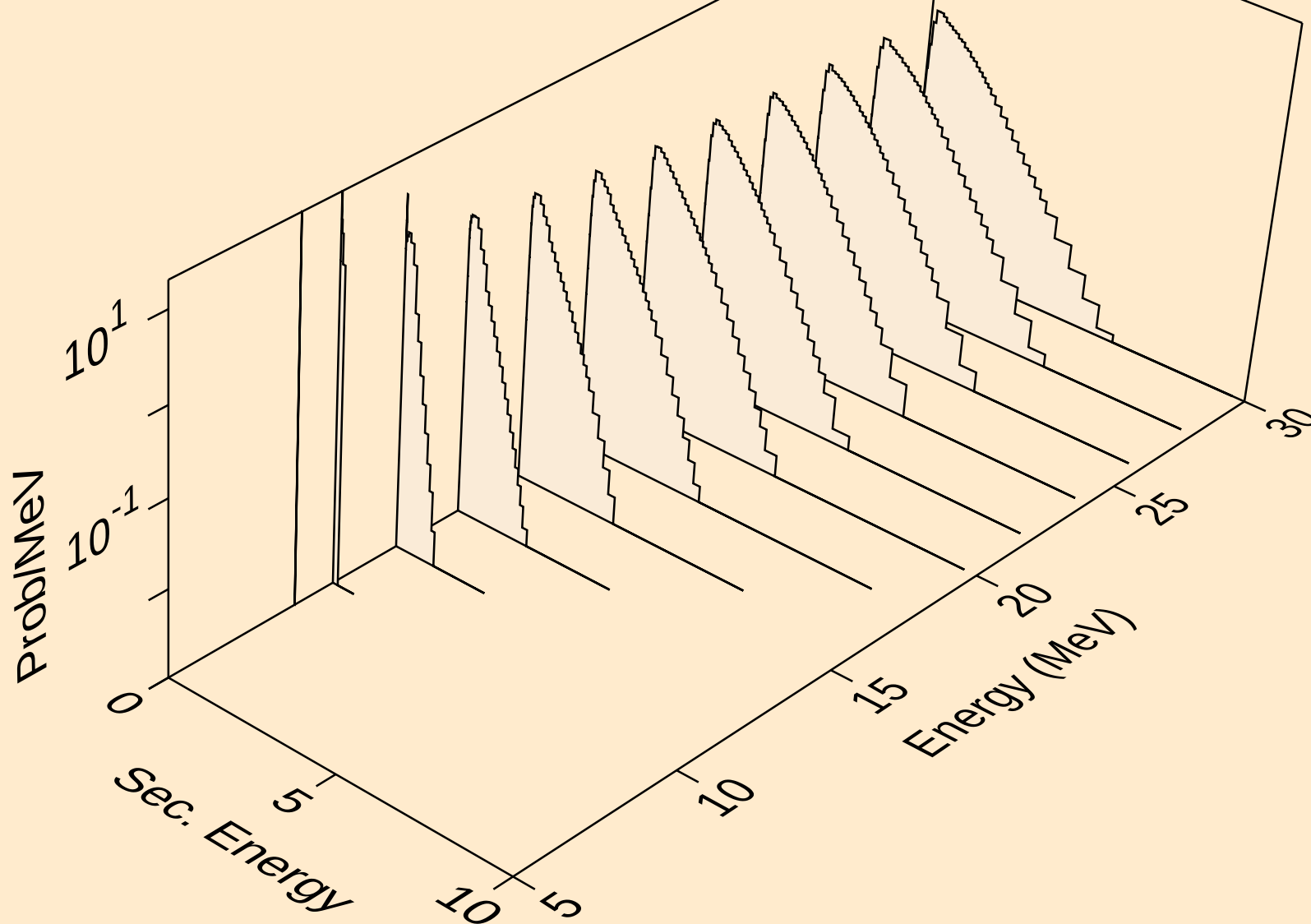
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neutrons from (a,2n)a



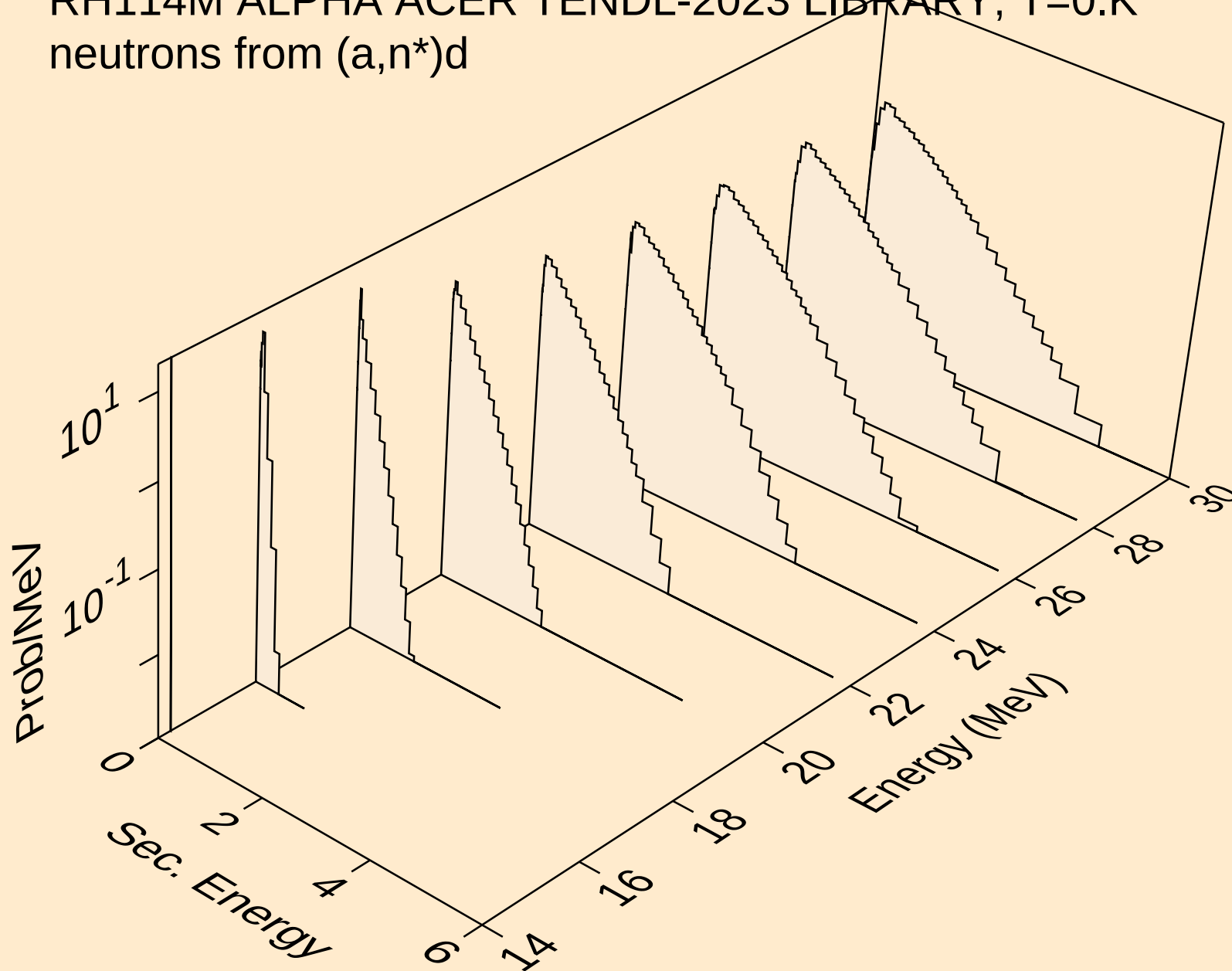
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neutrons from (a,3n)a



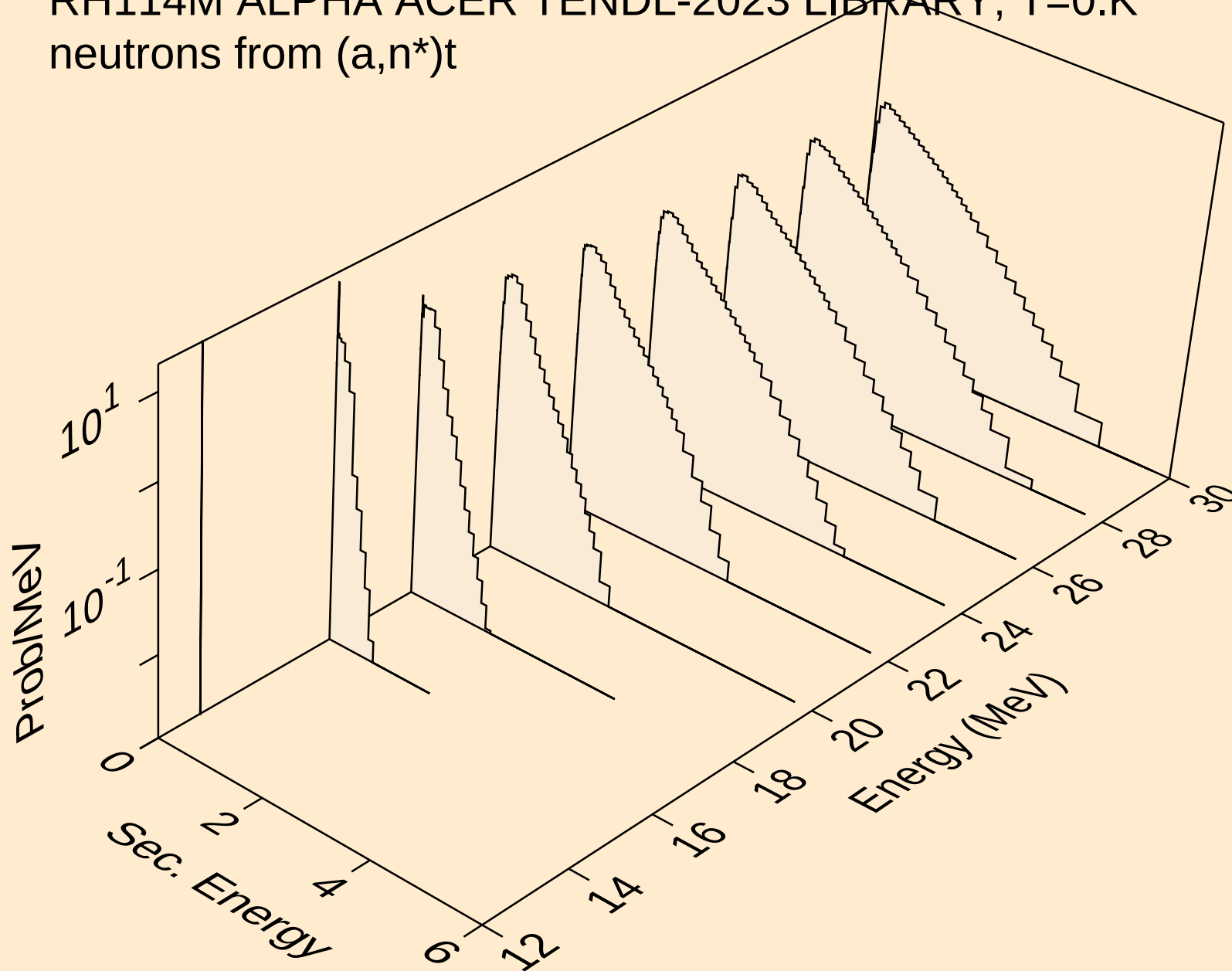
RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)p



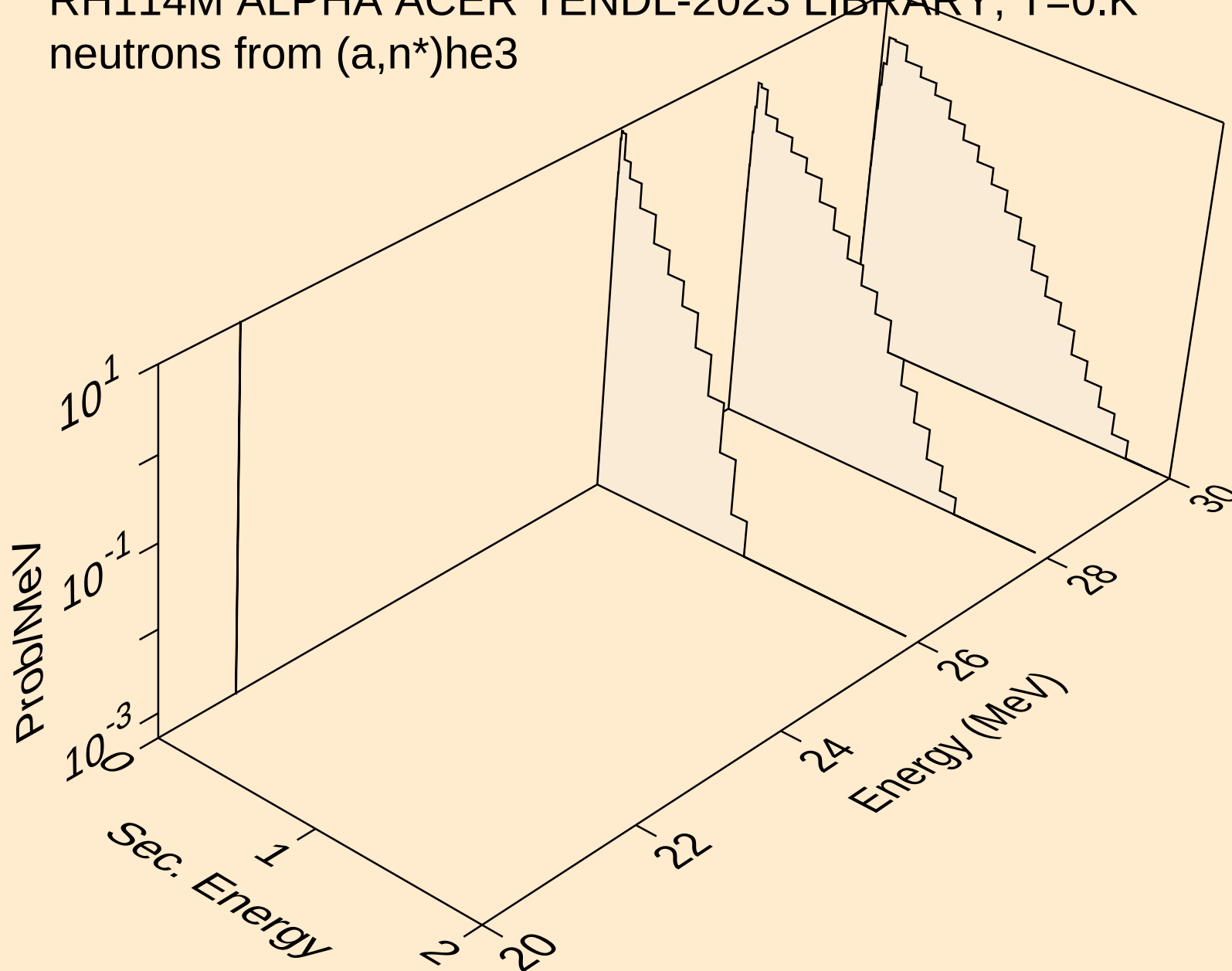
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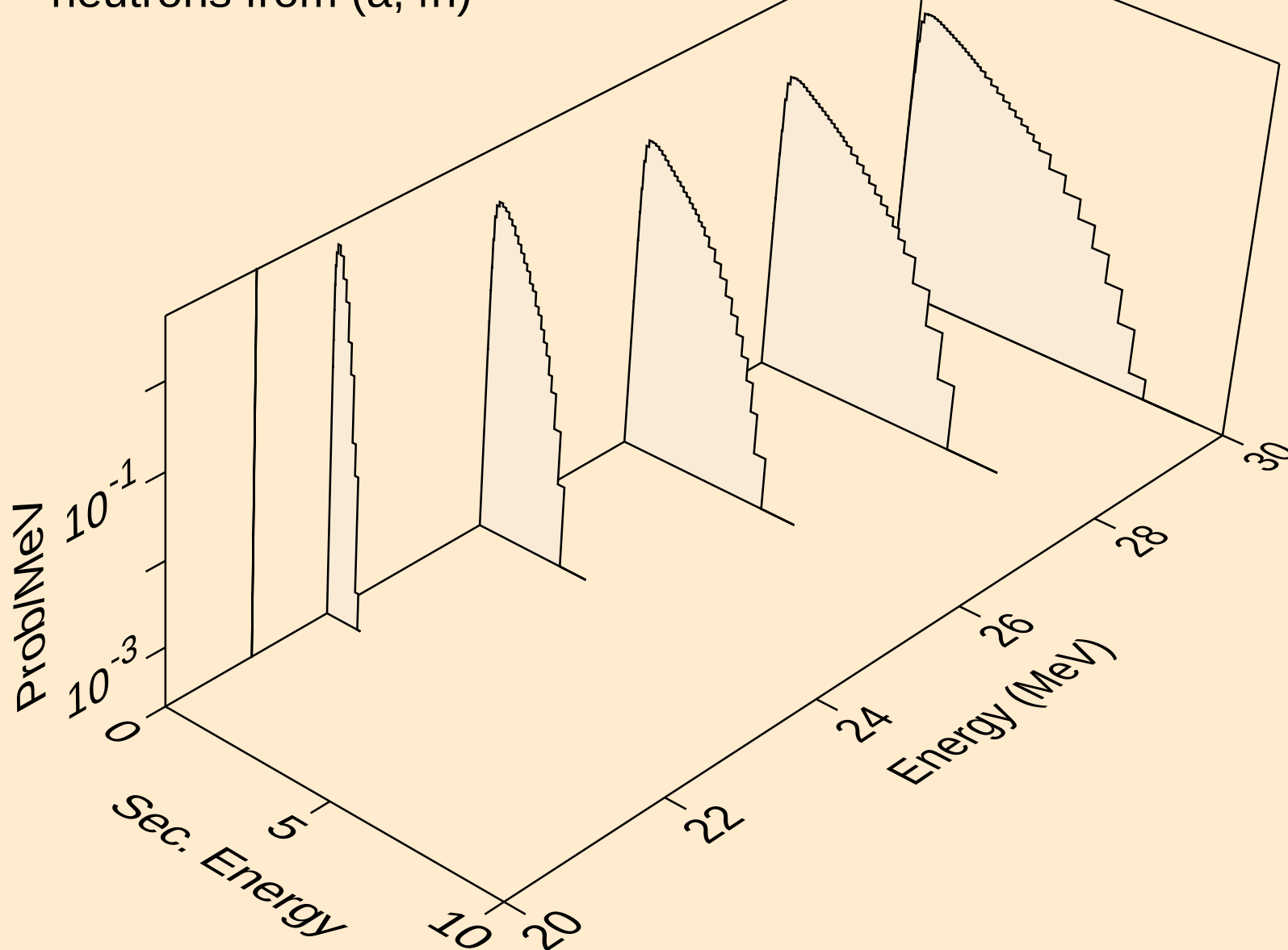
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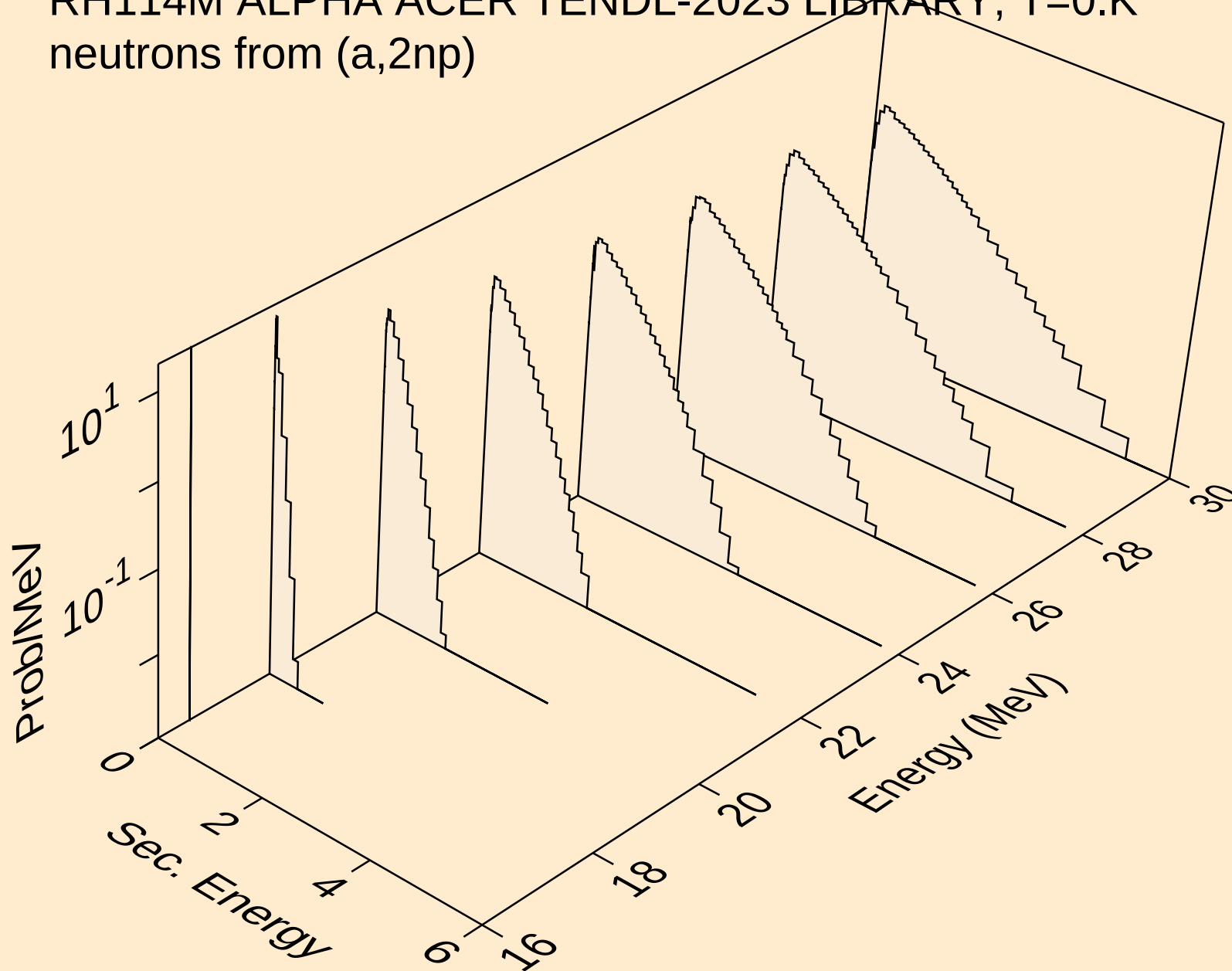
RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)he3



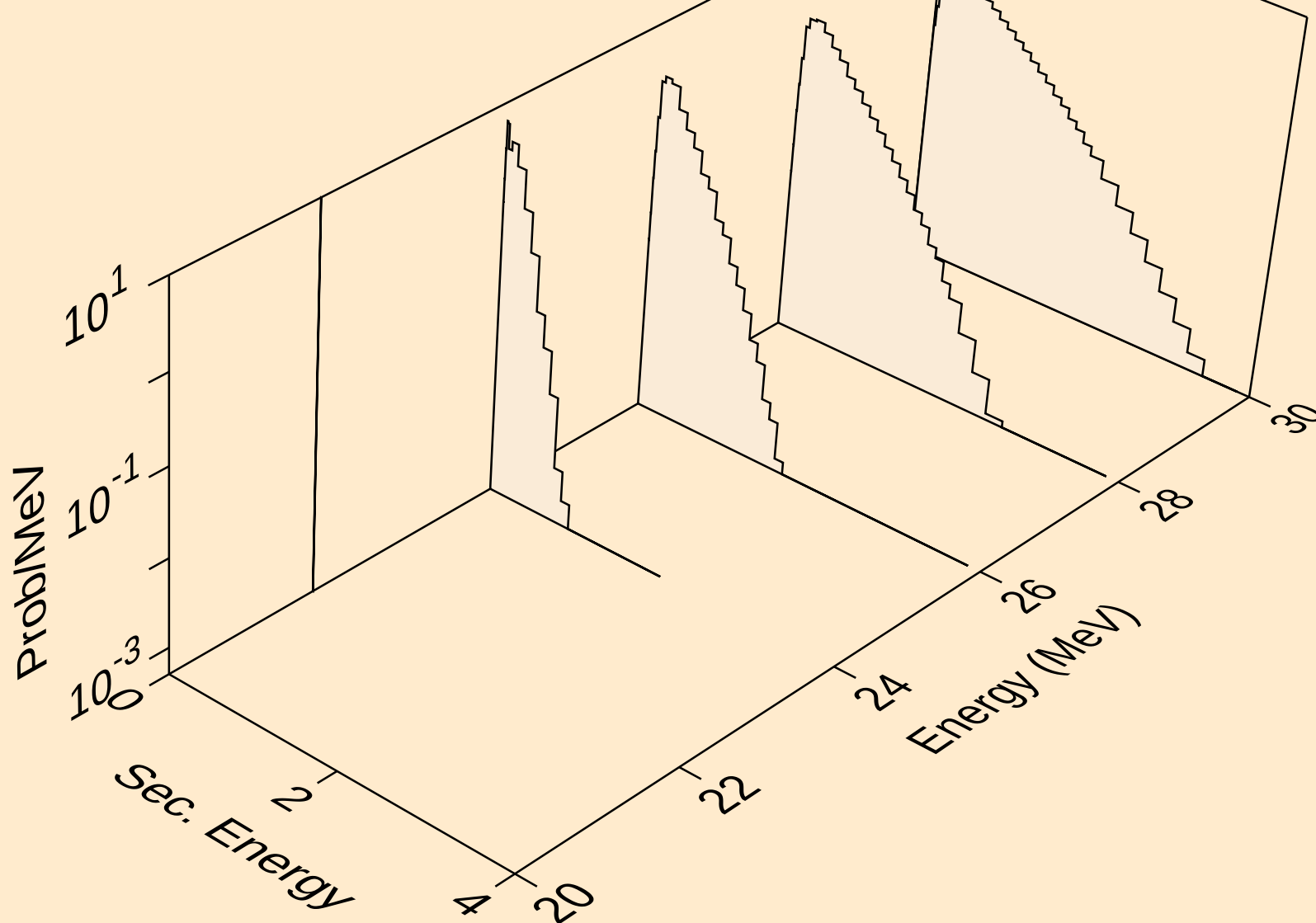
RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,4n)



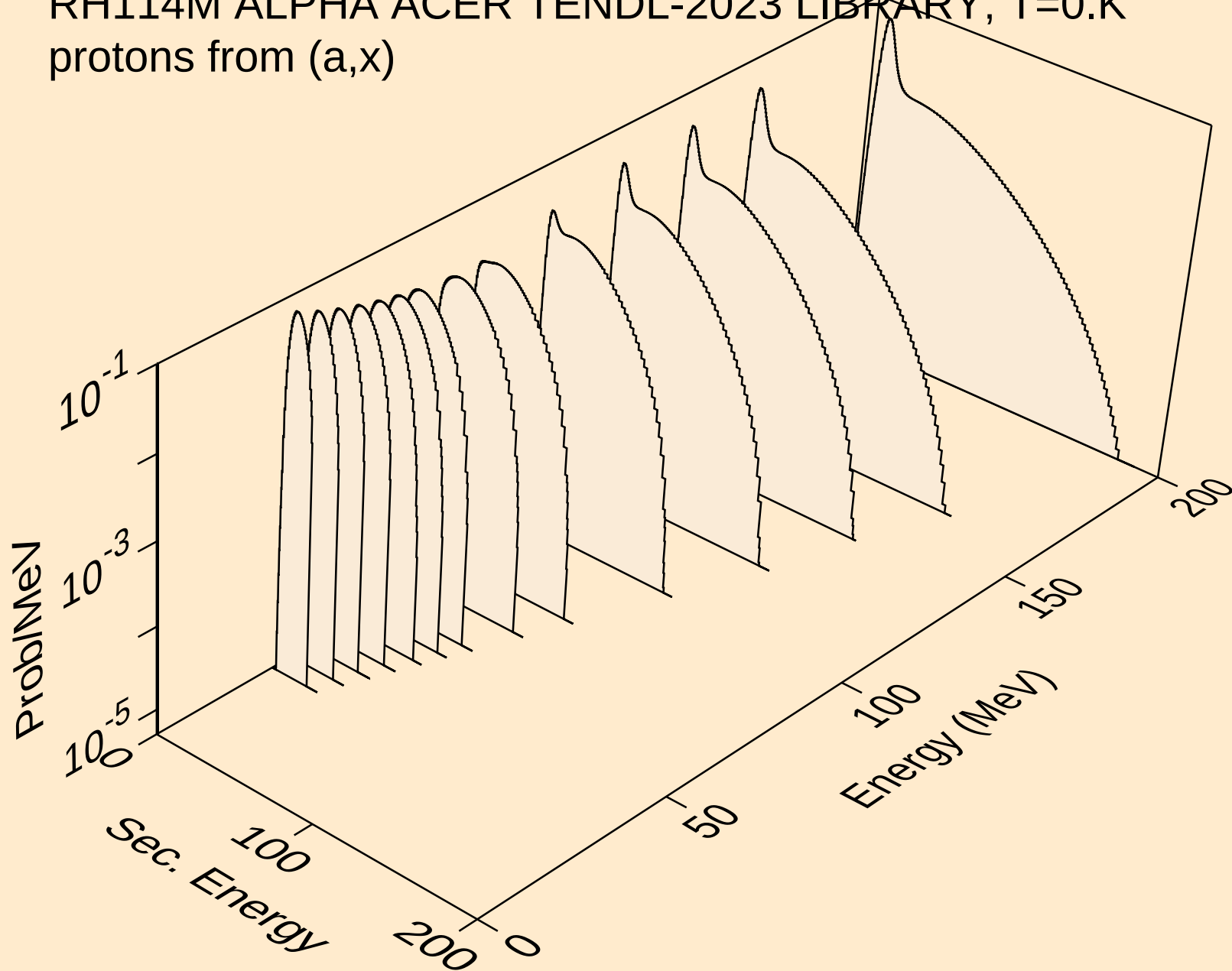
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neutrons from (a,2np)



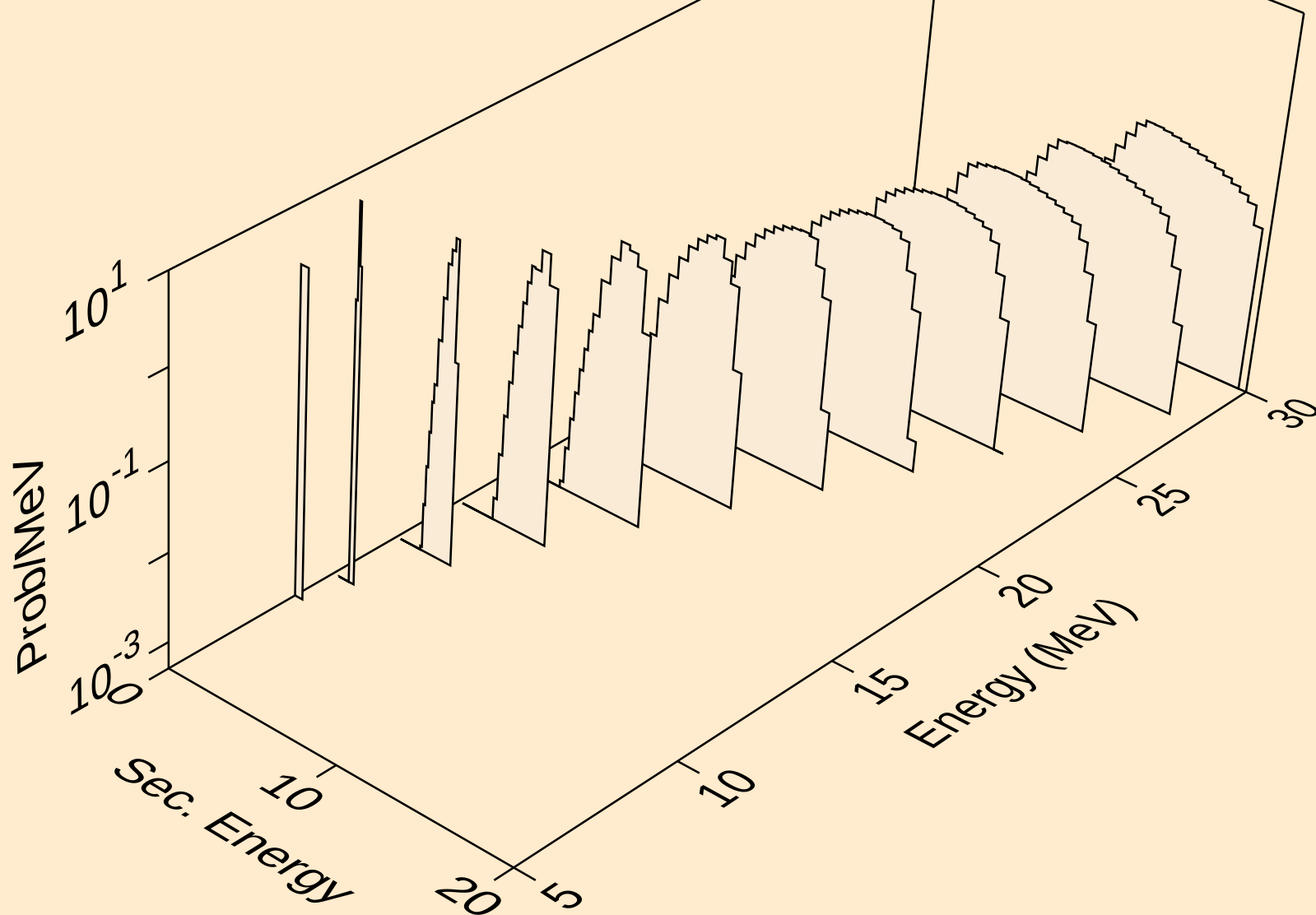
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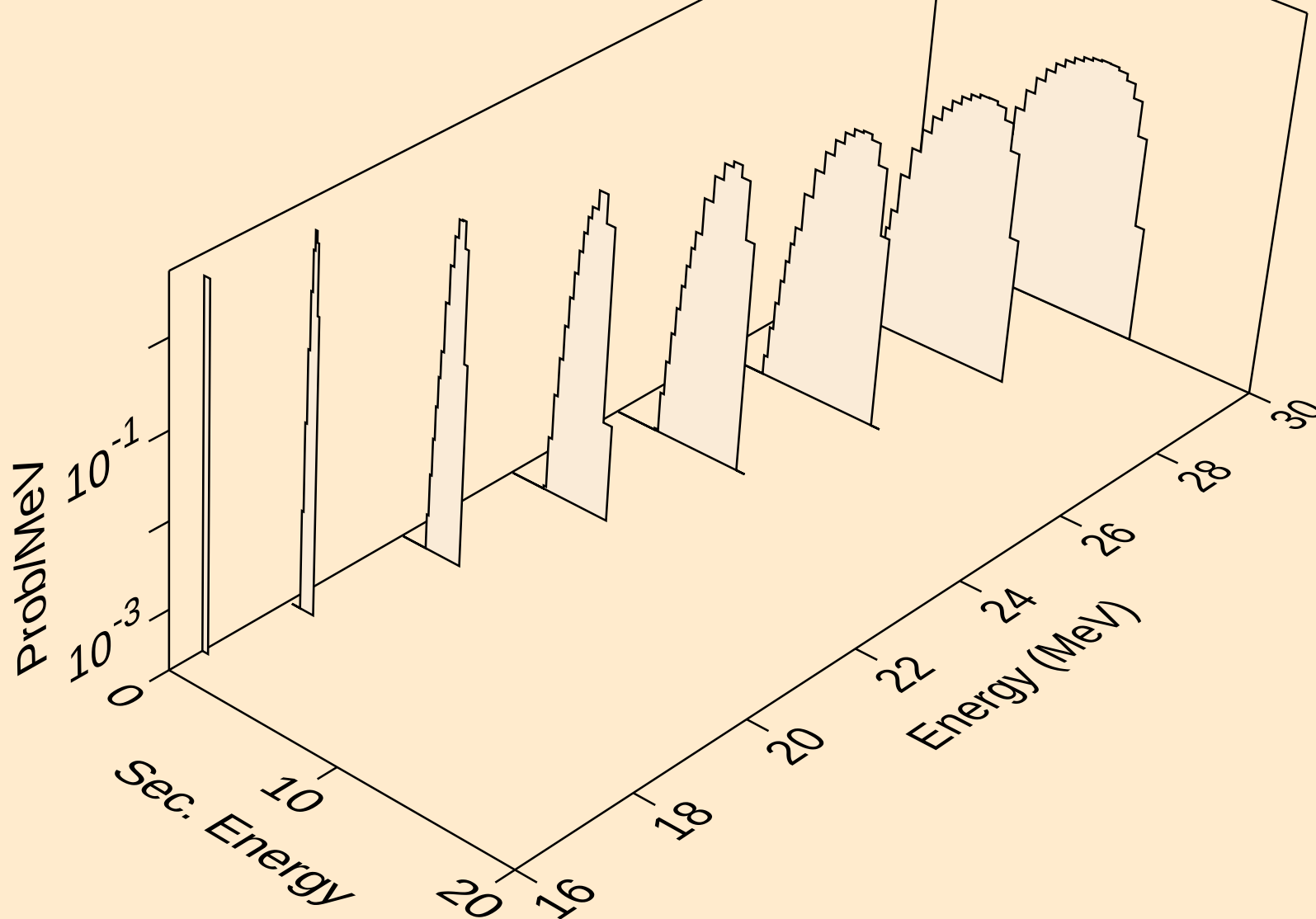
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protons from (a,x)



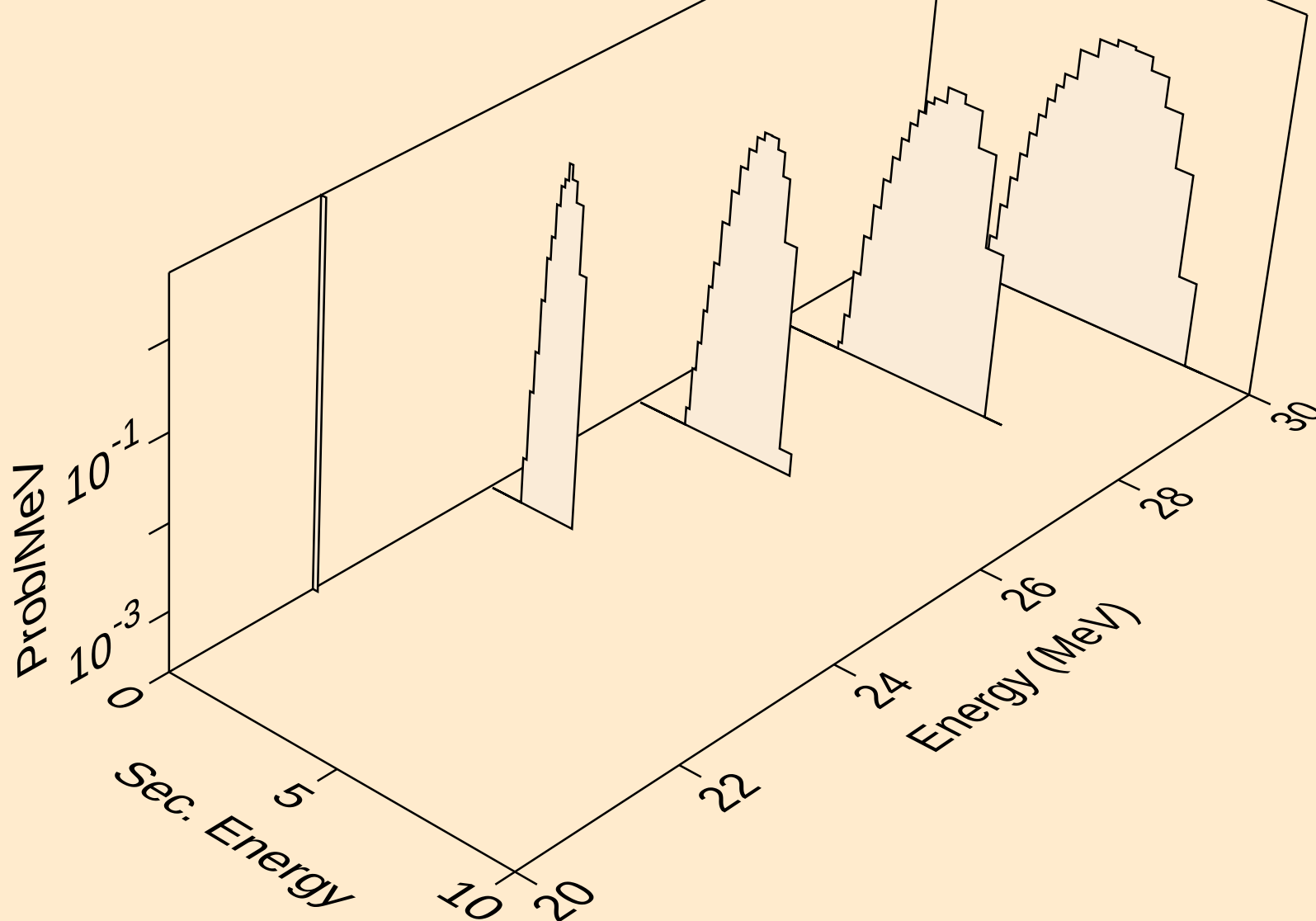
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protons from (a,n\*)p



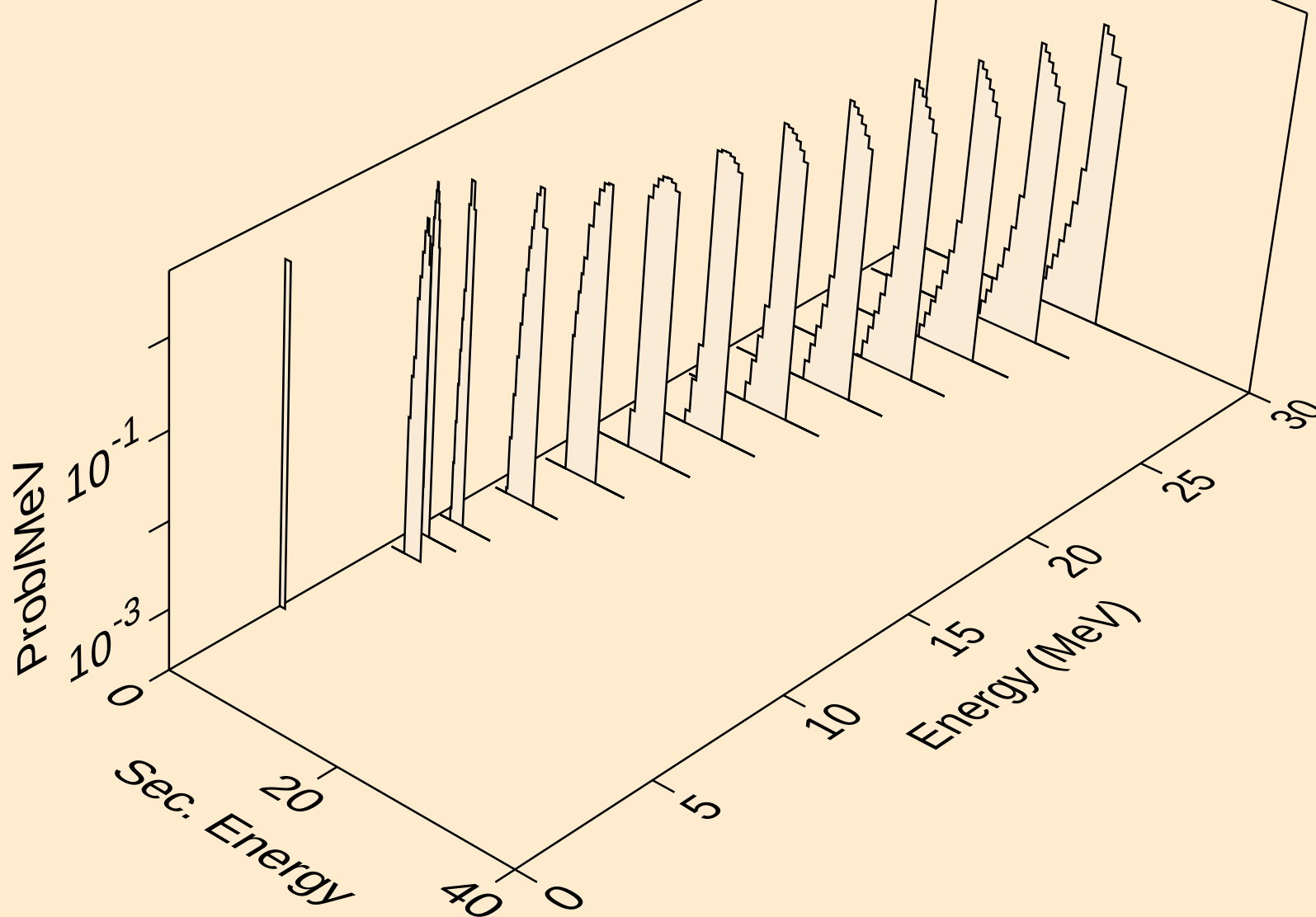
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protons from (a,2np)



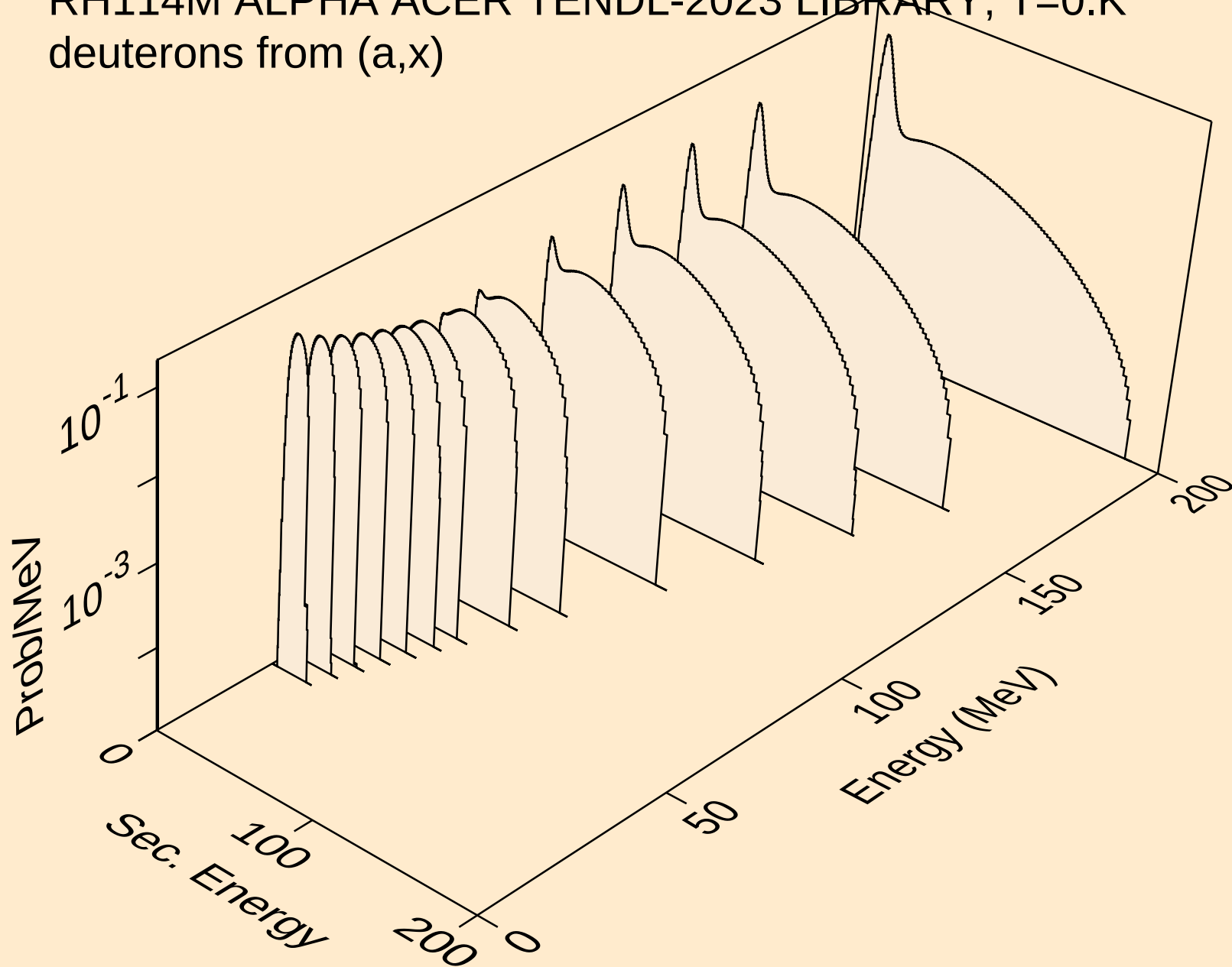
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protons from (a,3np)



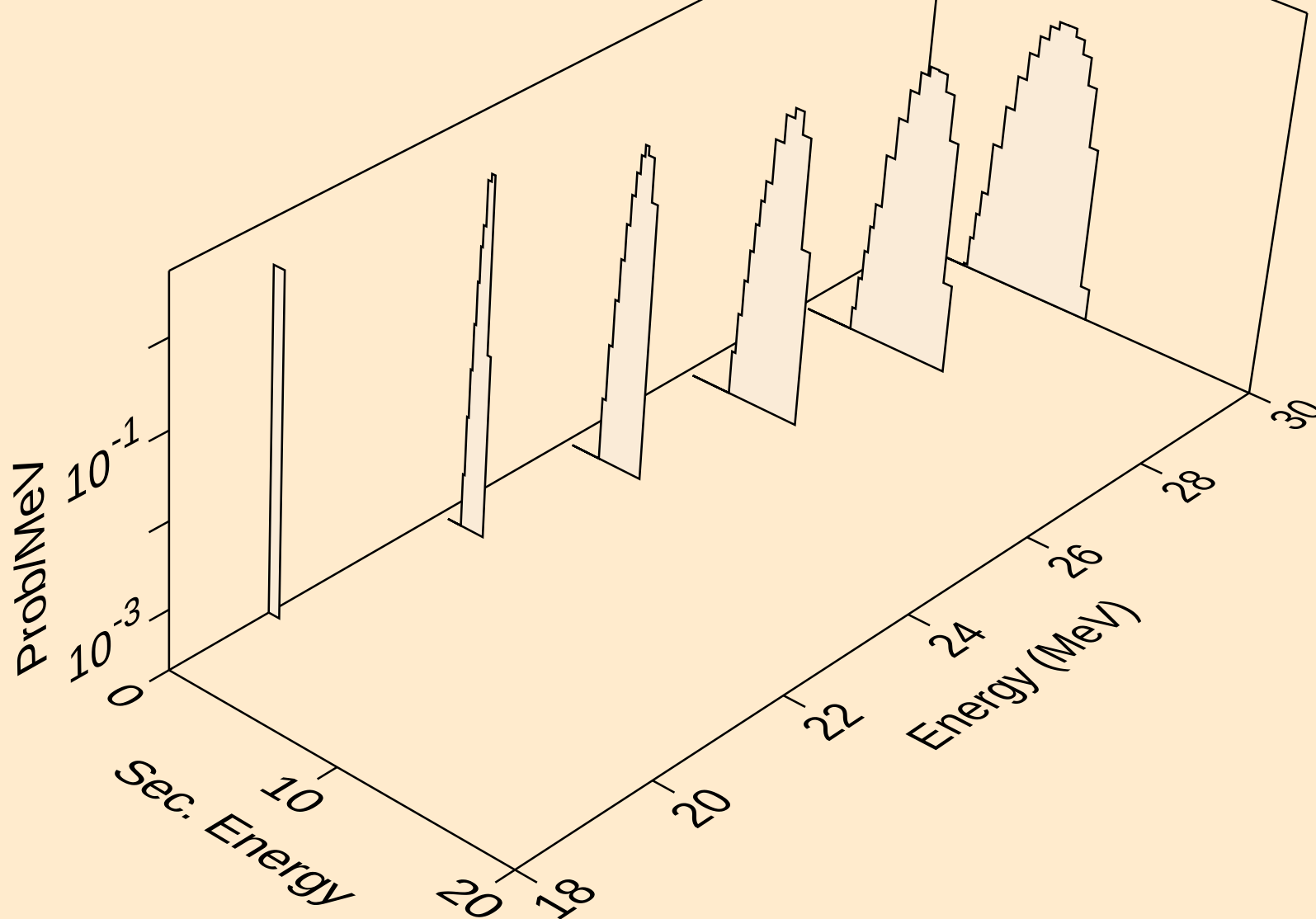
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protons from (a,p)



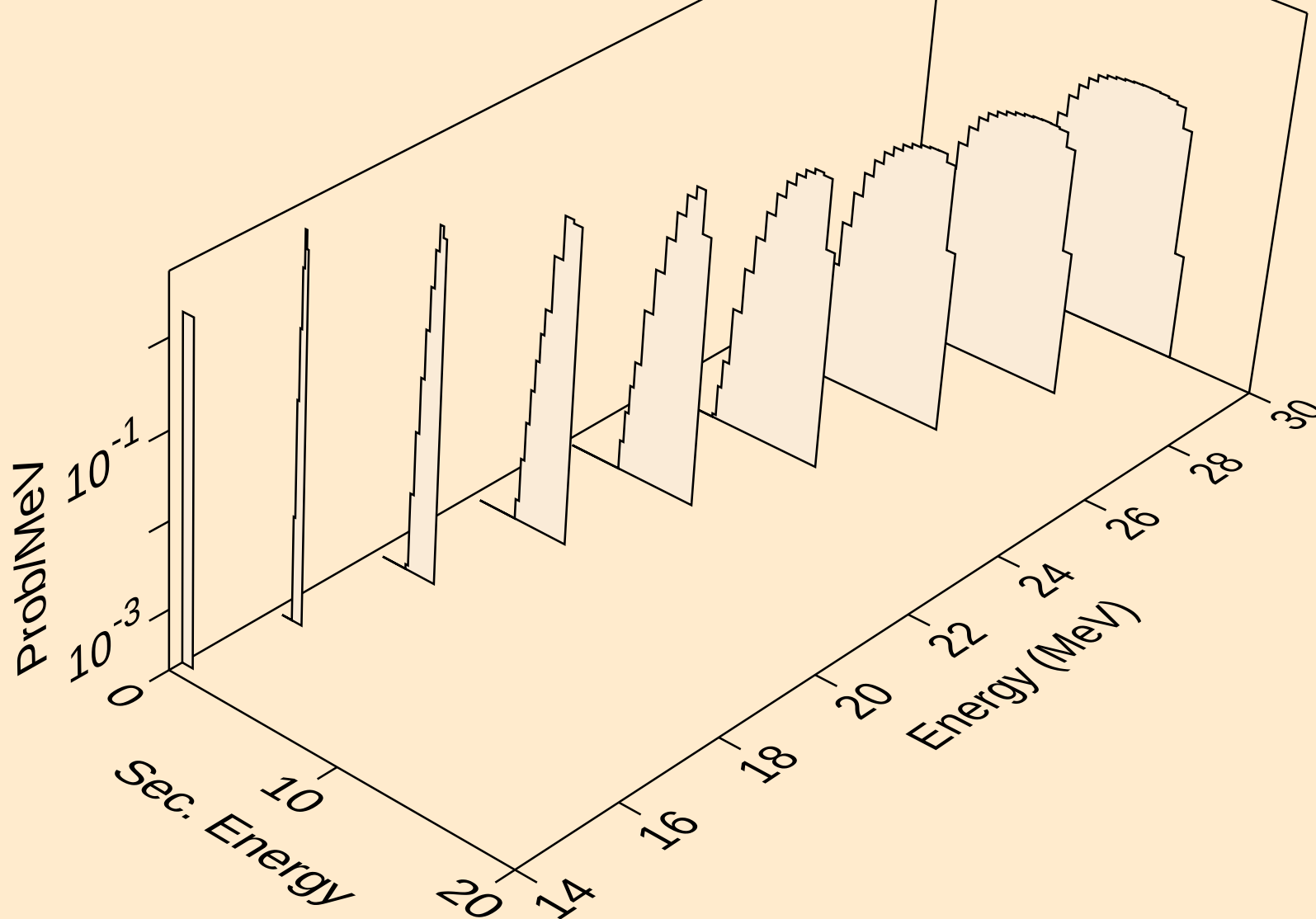
RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,x)



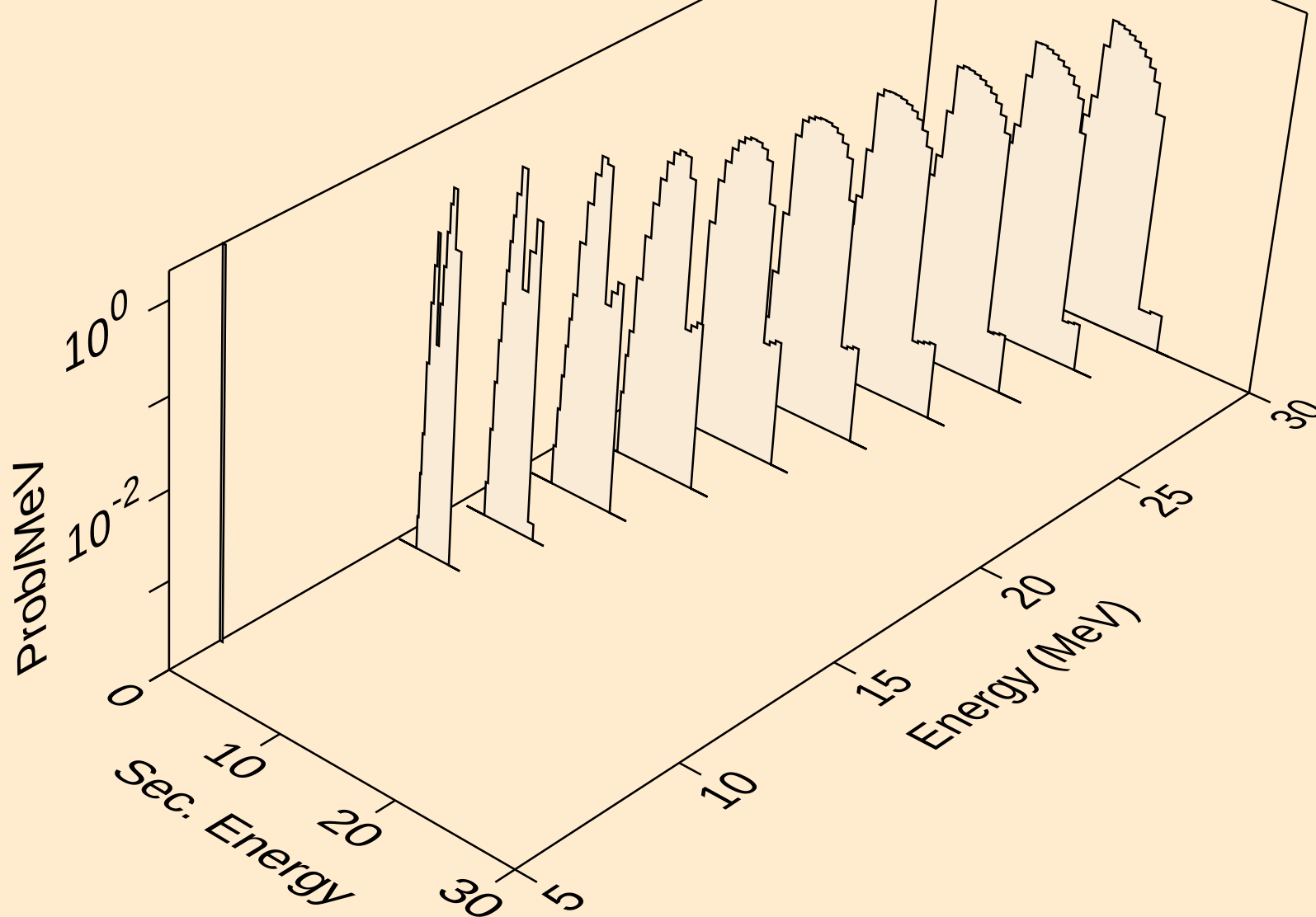
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deuterons from (a,2nd)



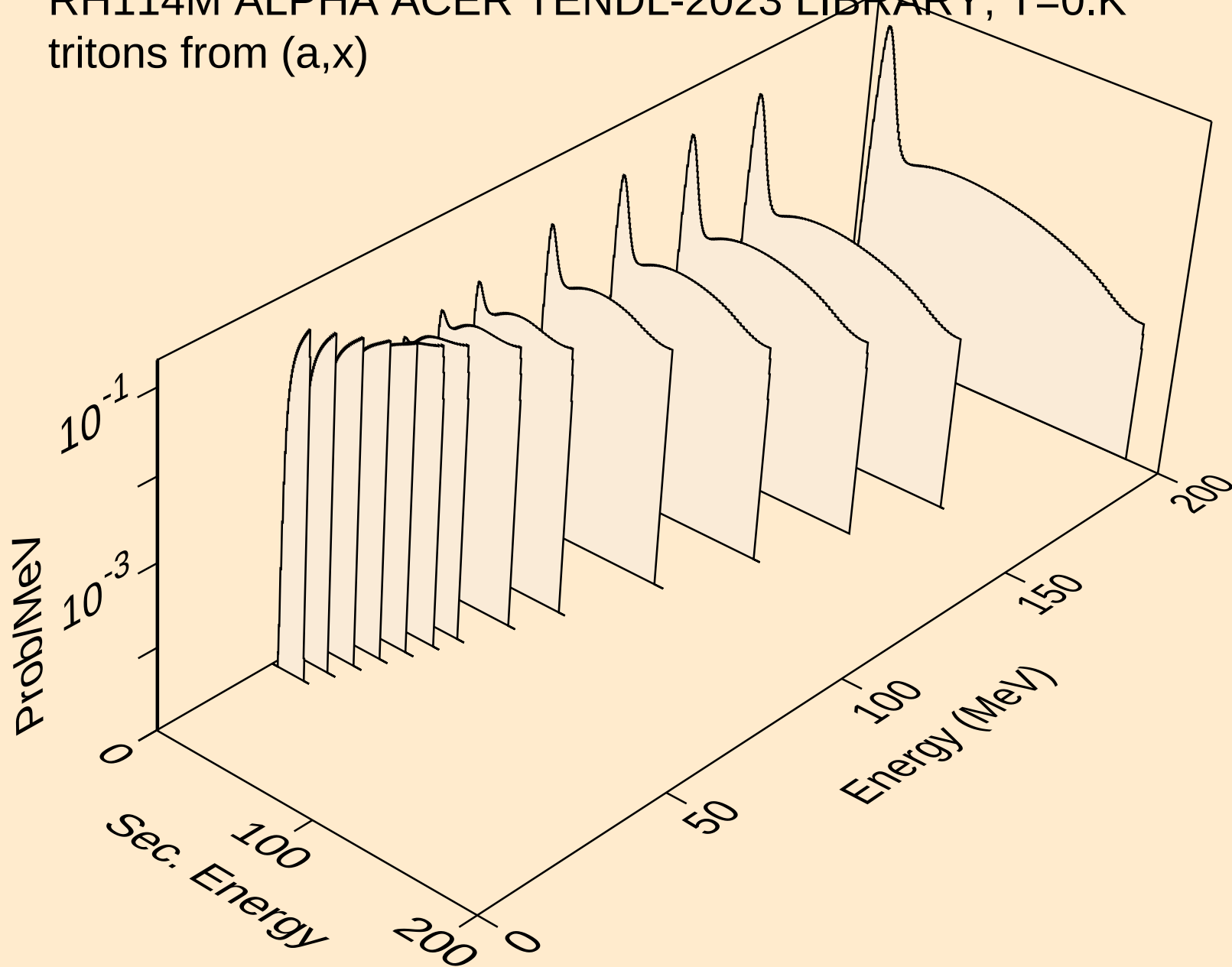
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deuterons from (a,n\*)d



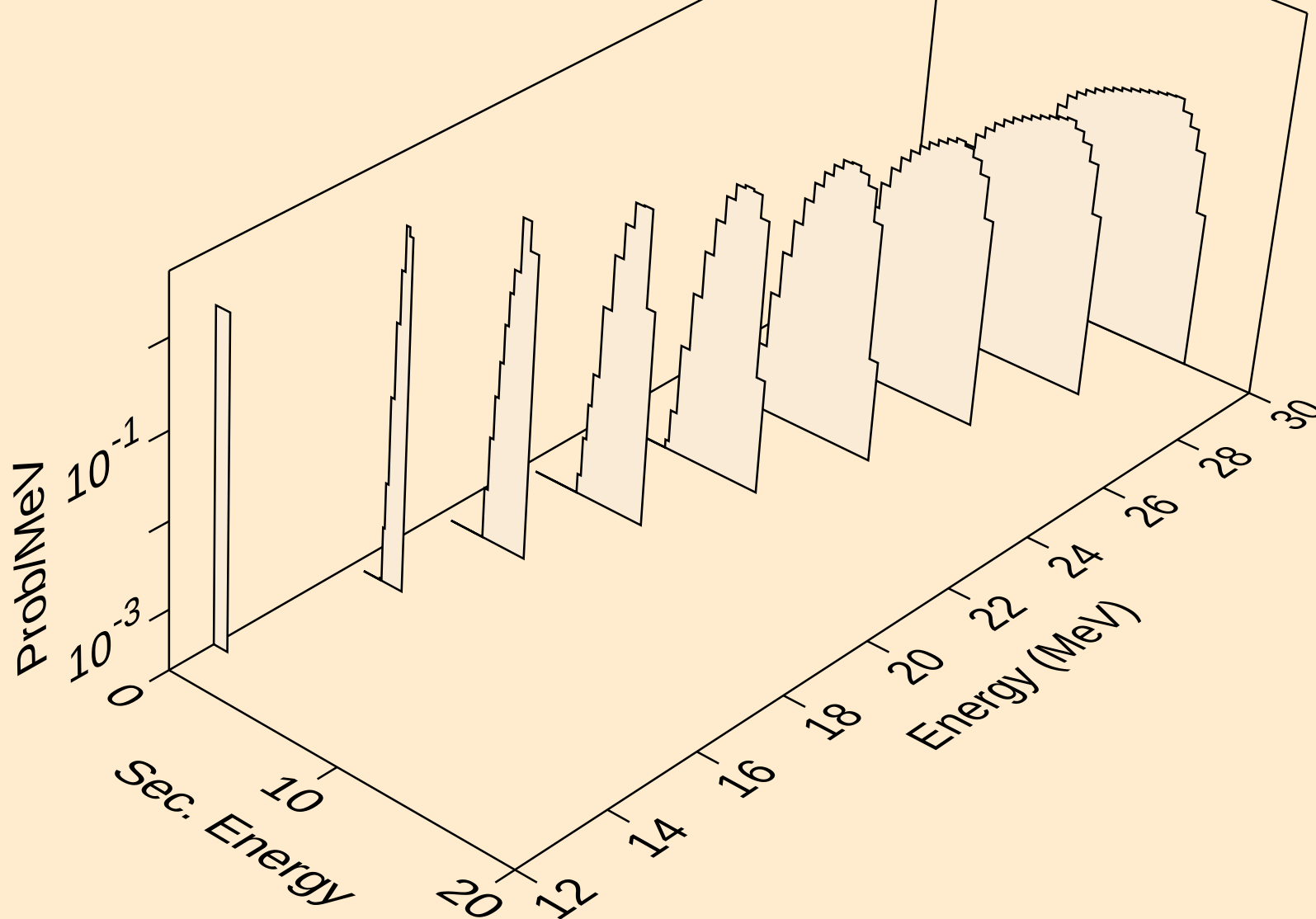
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deuterons from (a,d)



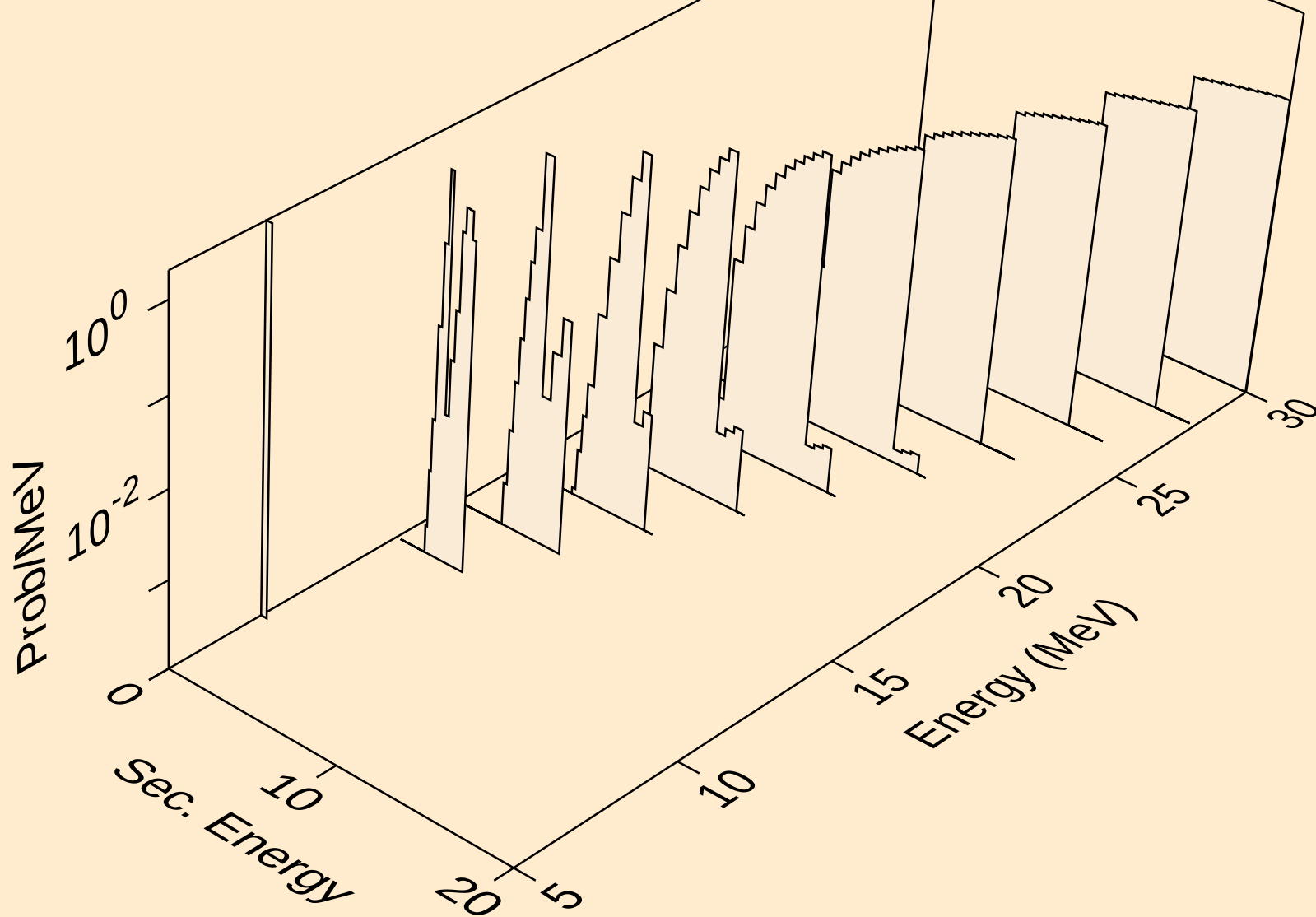
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tritons from (a,x)



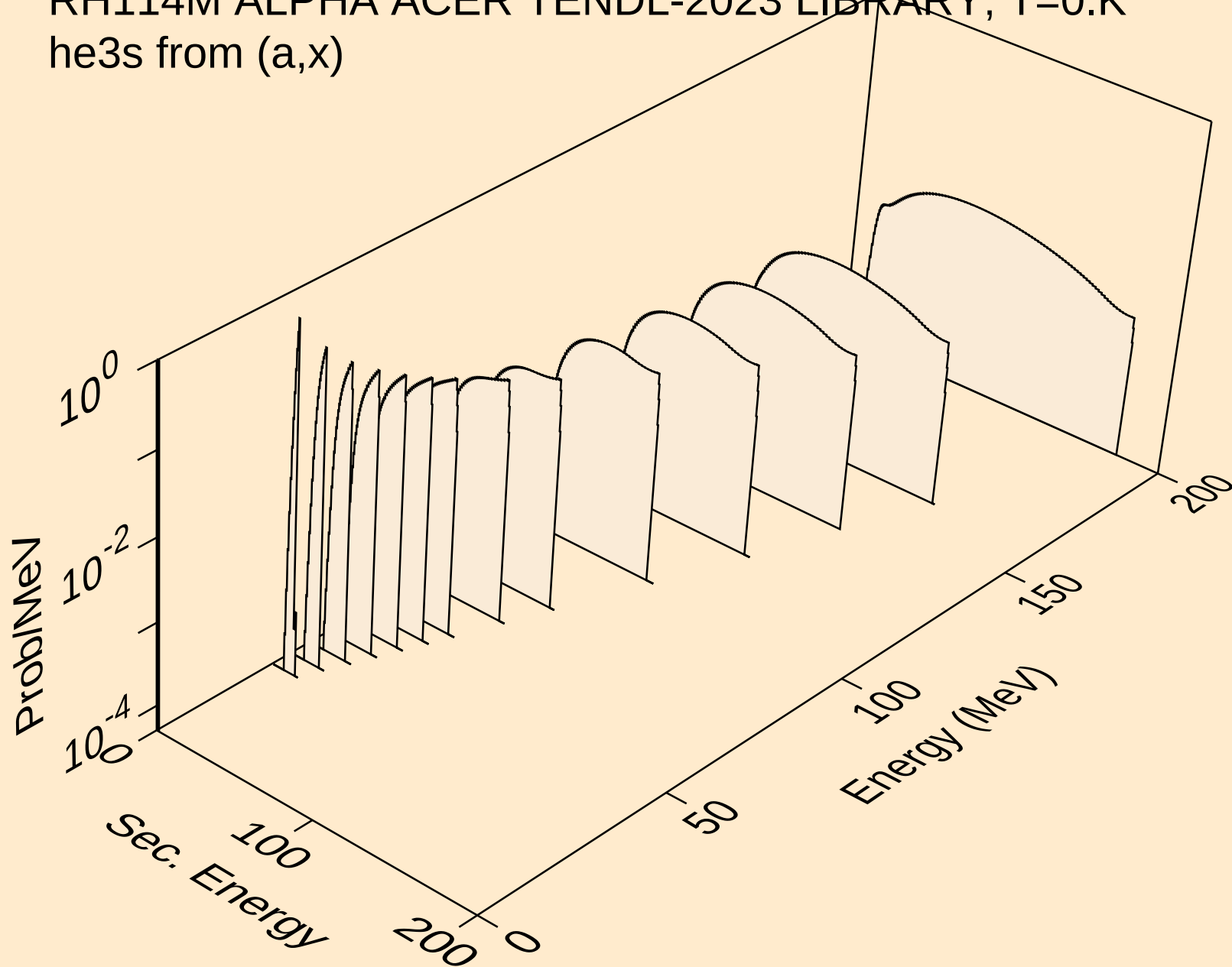
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tritons from (a,n\*)t



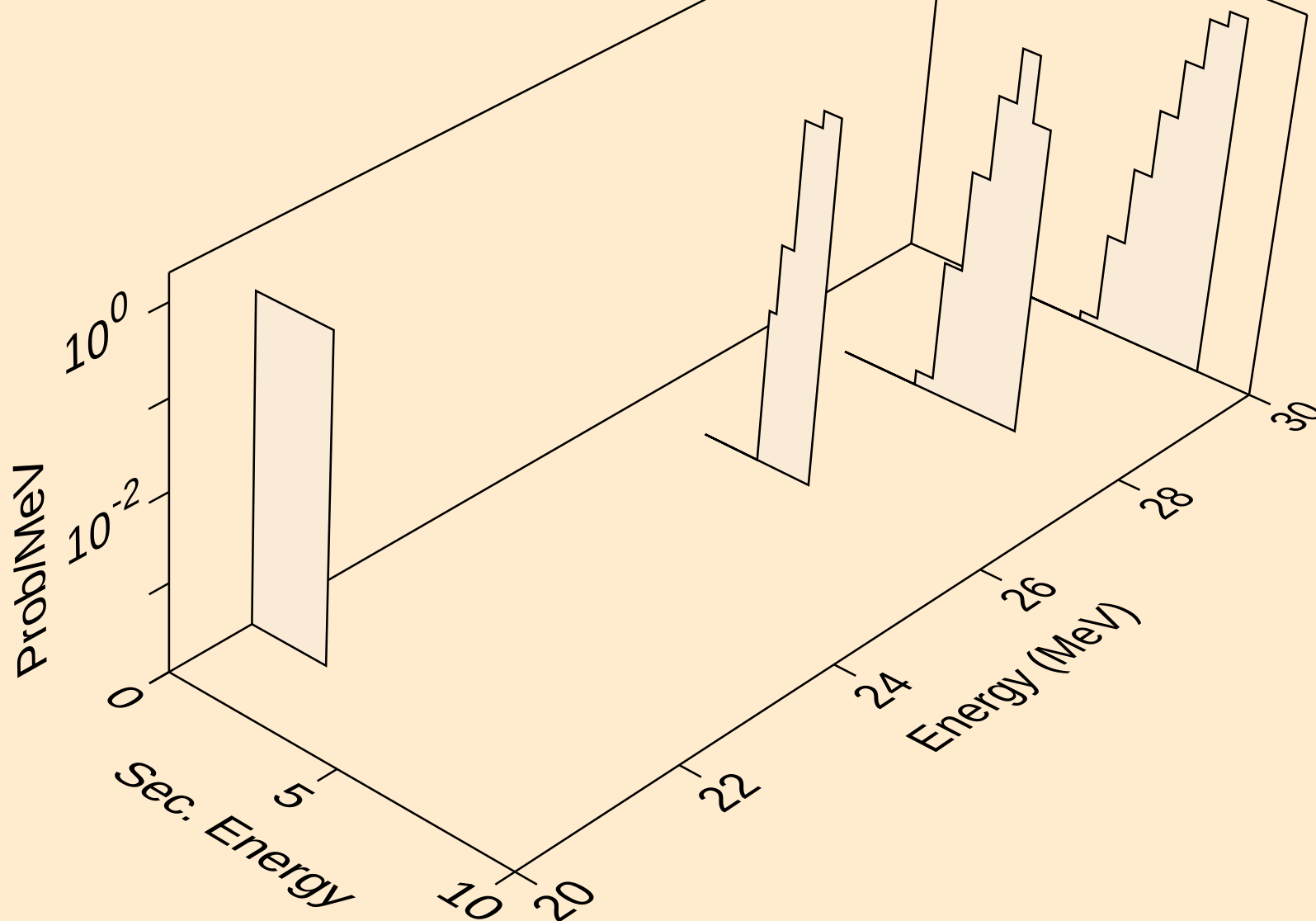
RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,t)



RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,x)



RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,n\*)he3



RH114M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,he3)

