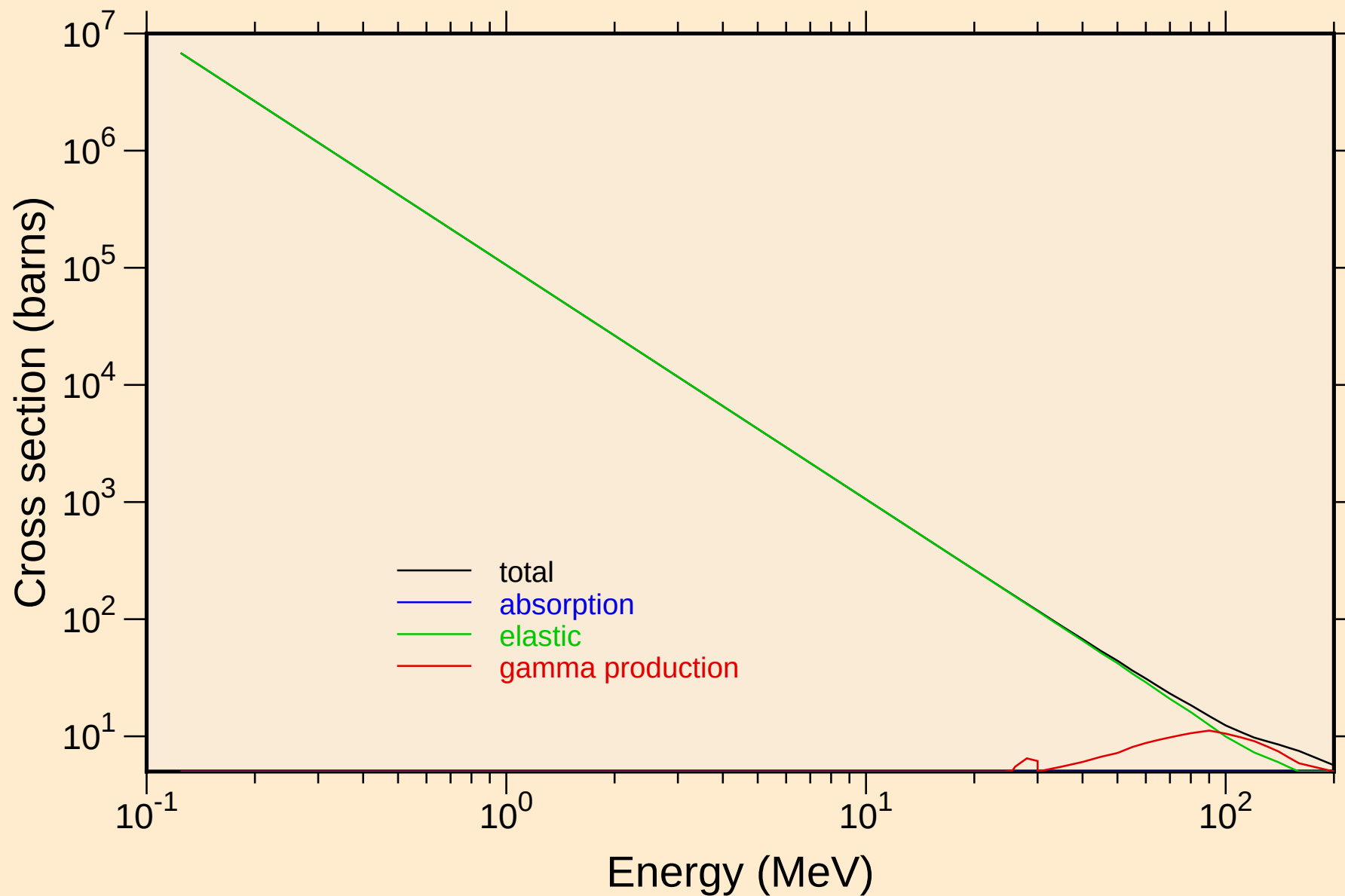


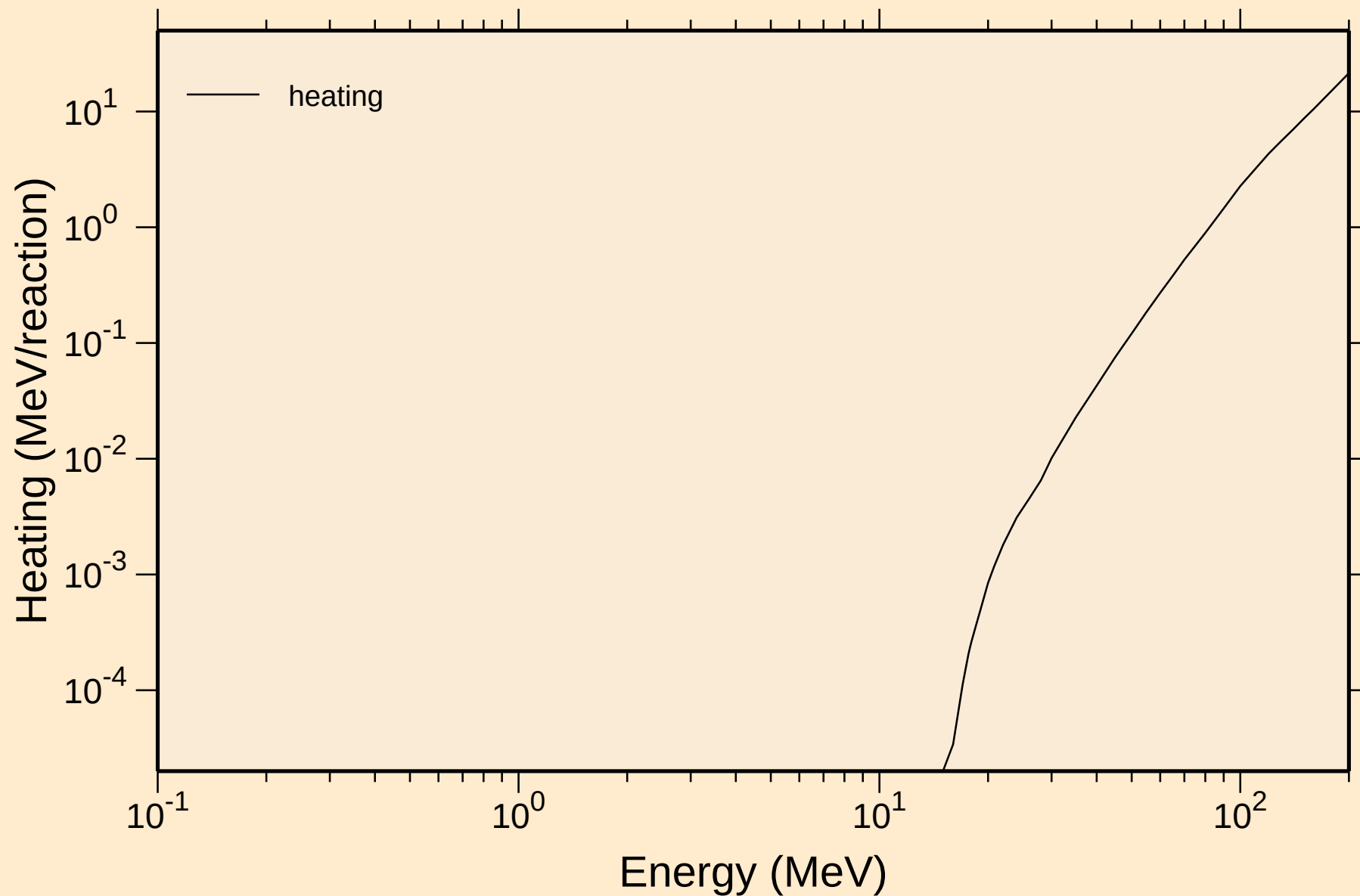
# GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



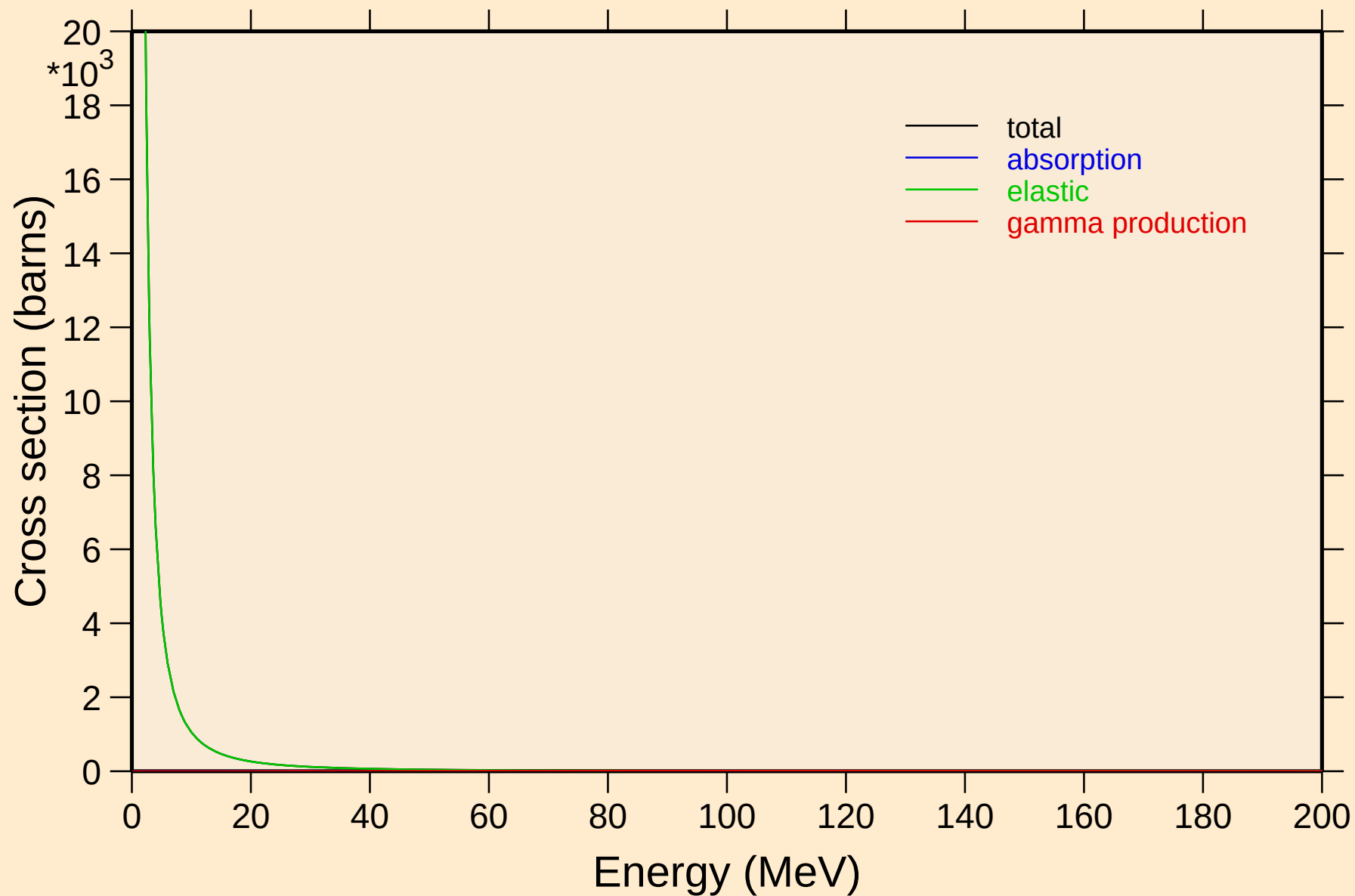
GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Heating



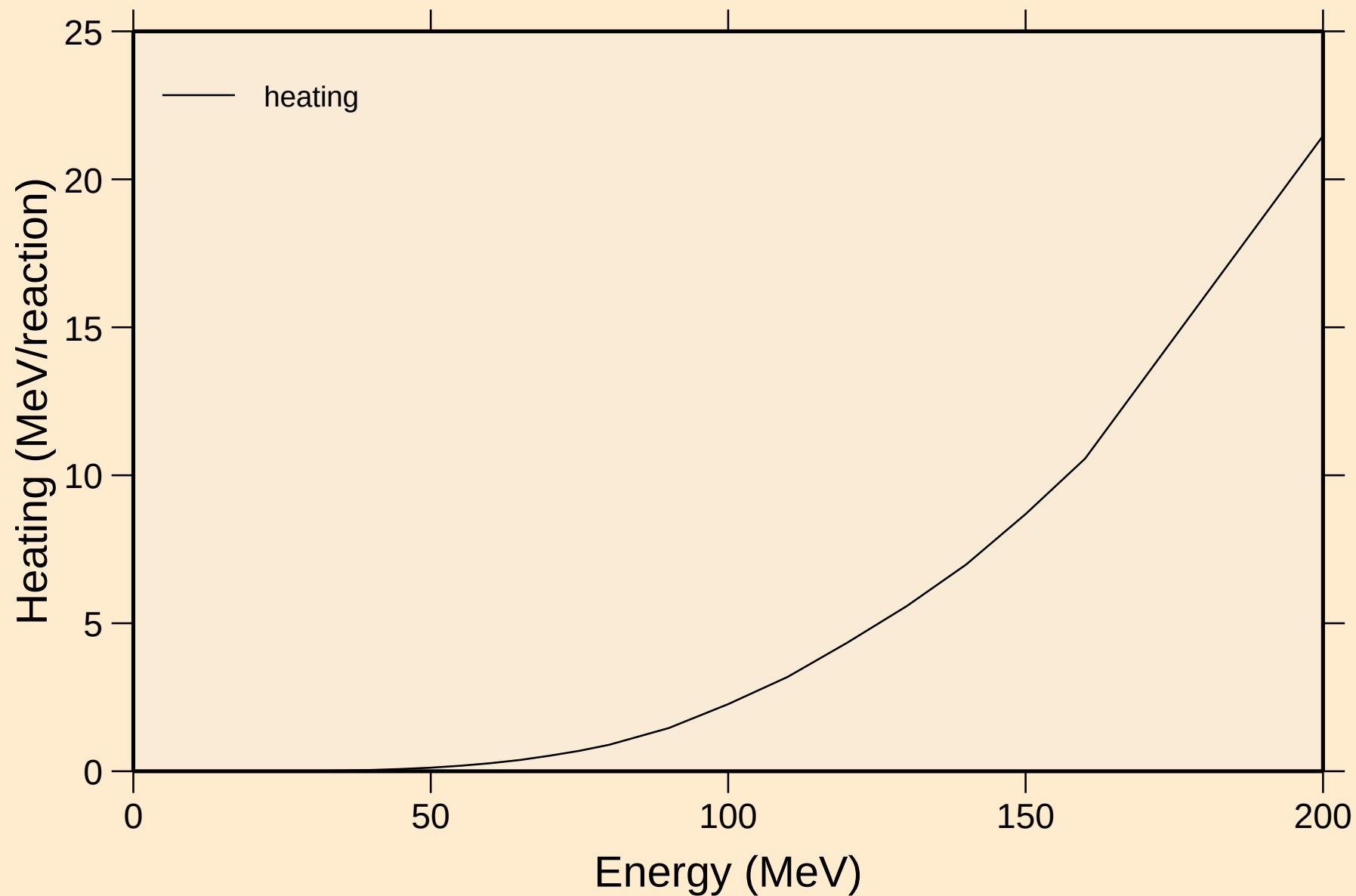
# GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



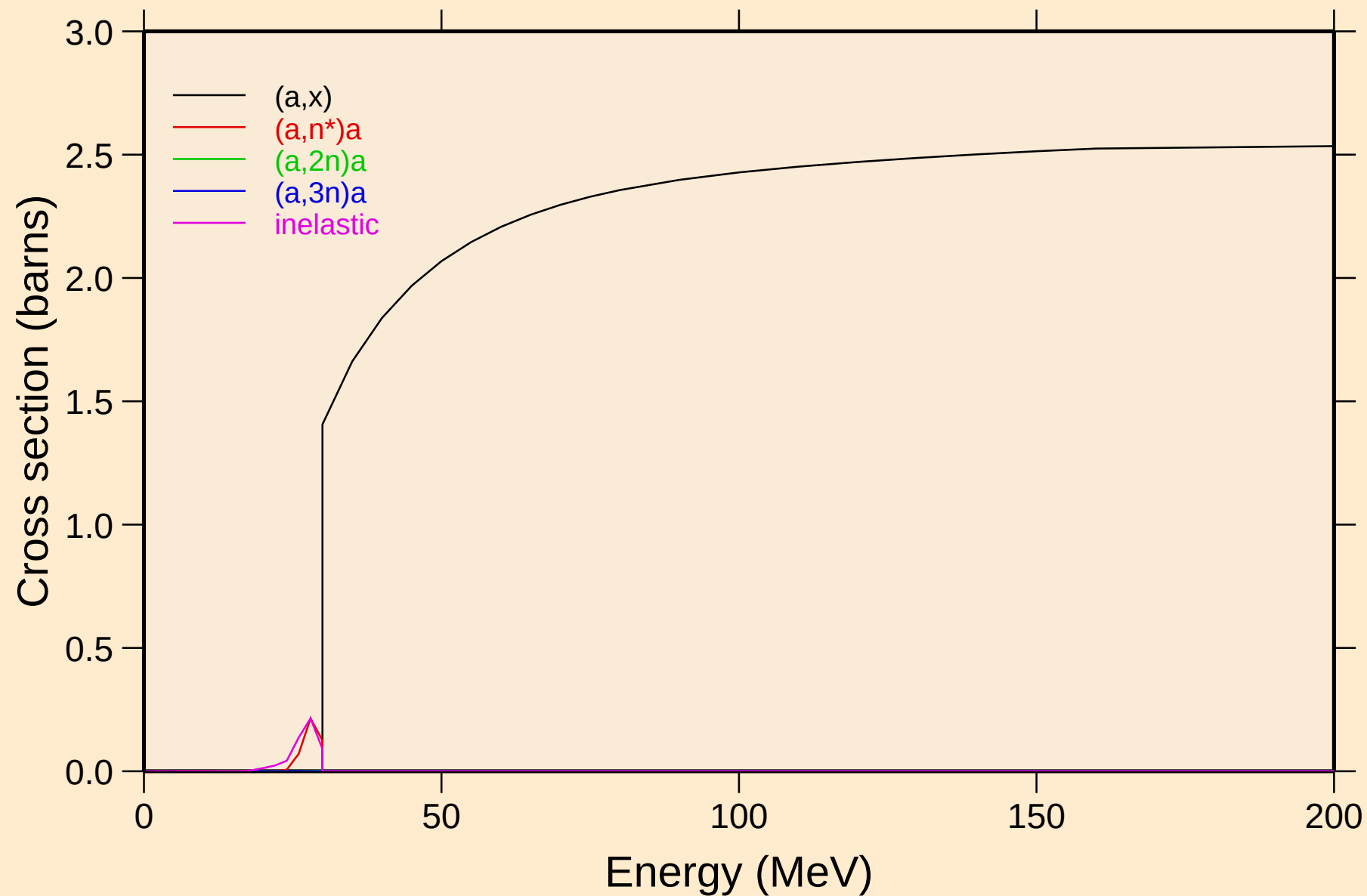
# GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Heating

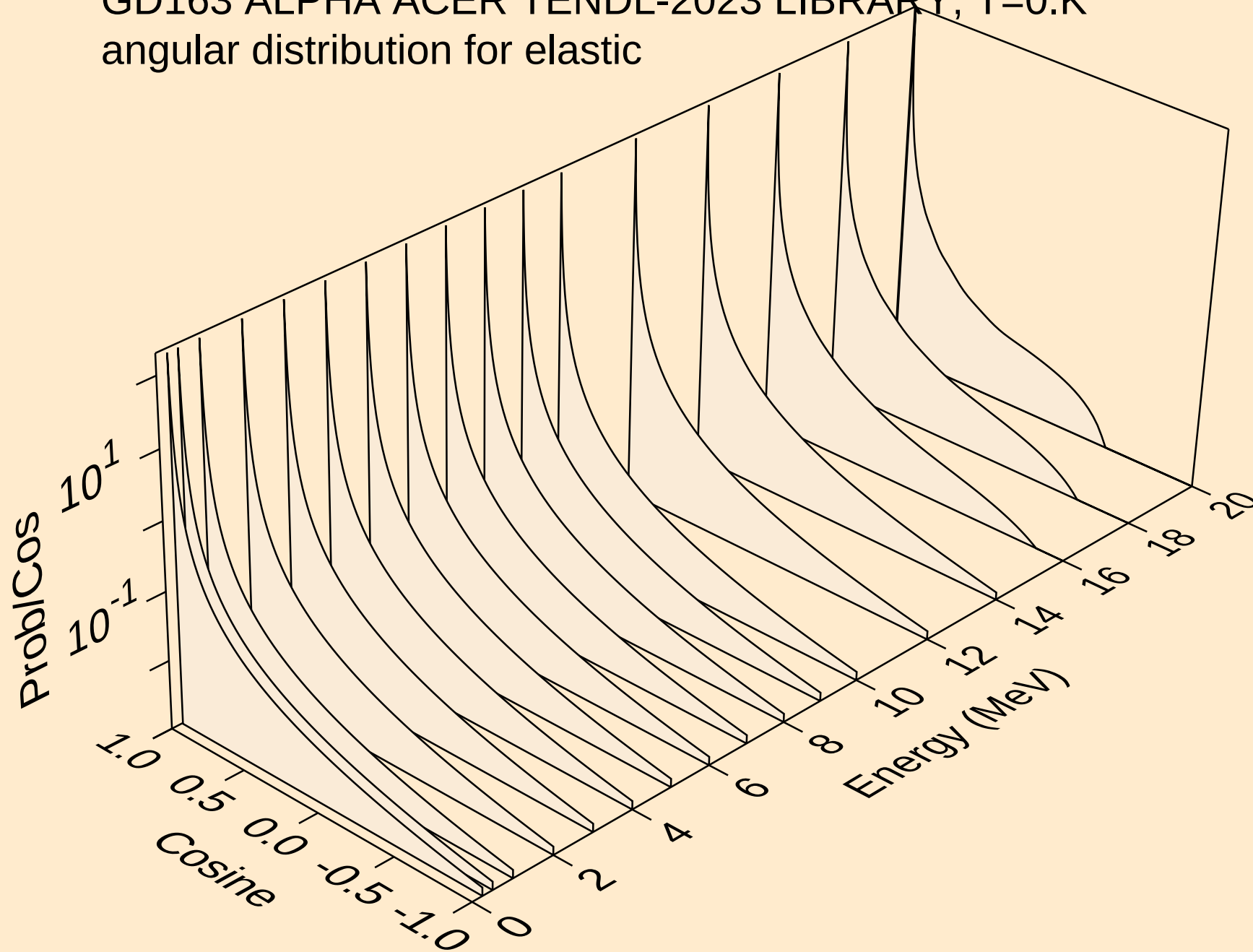


# GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

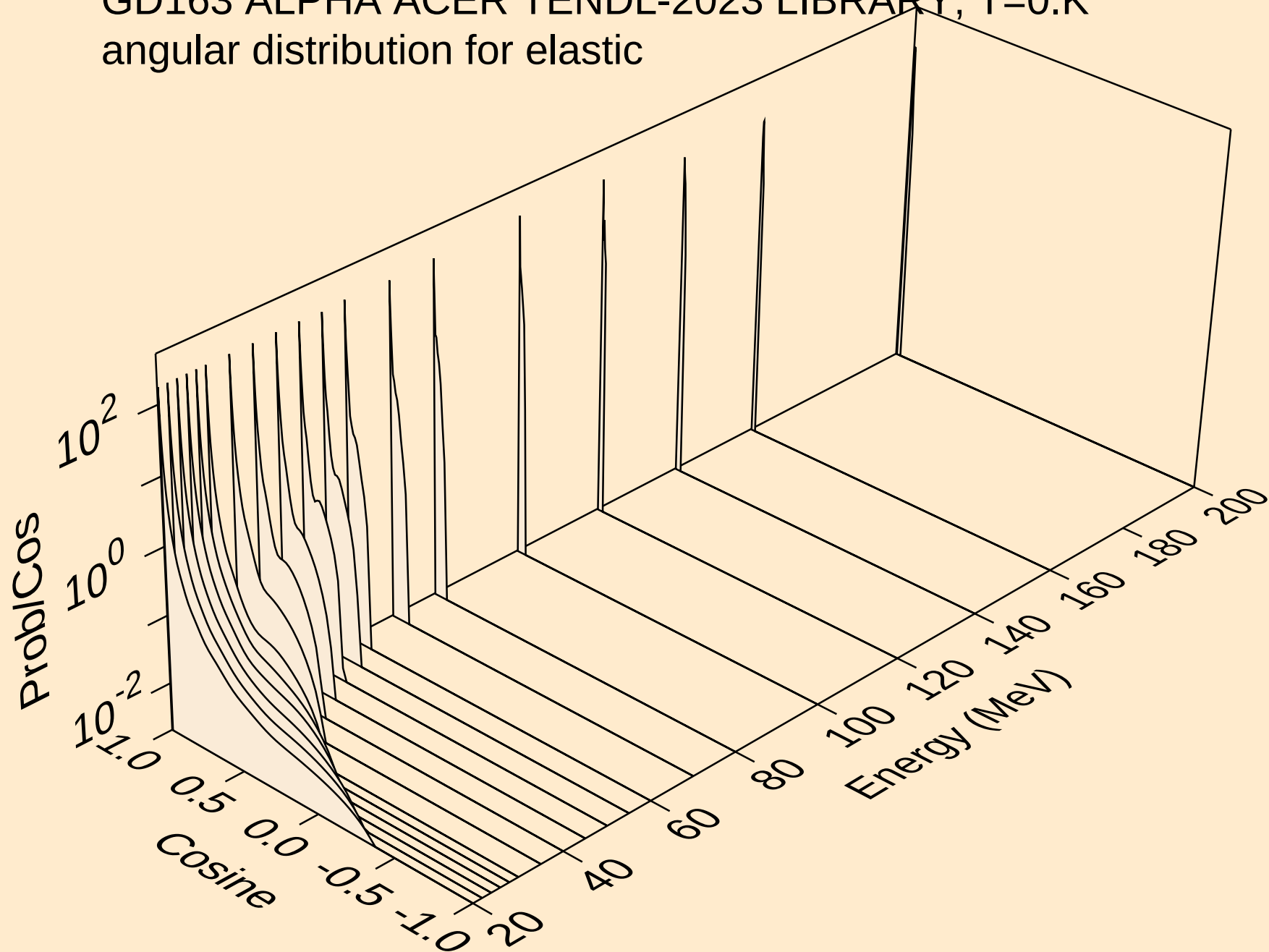
Threshold reactions



GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

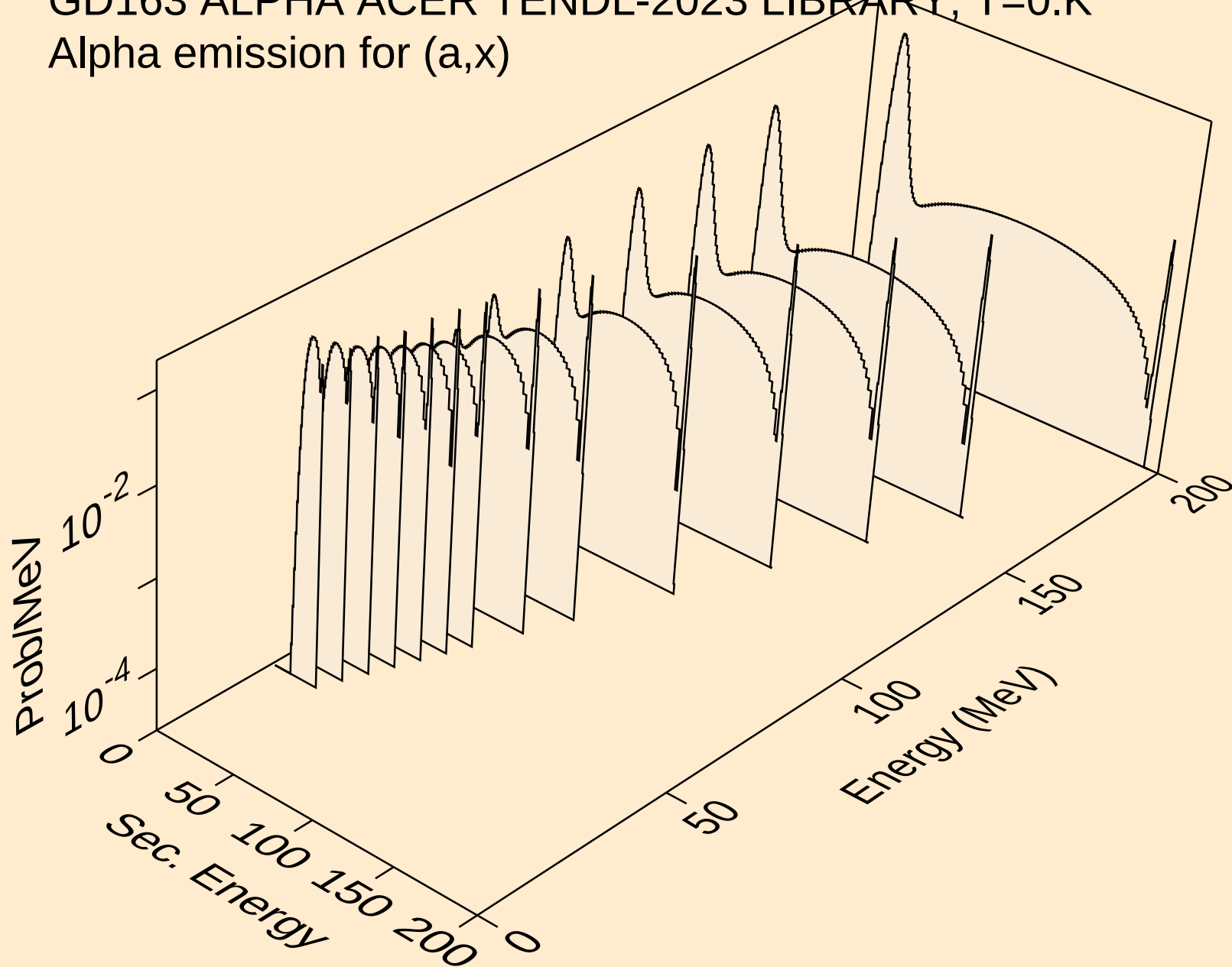


GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

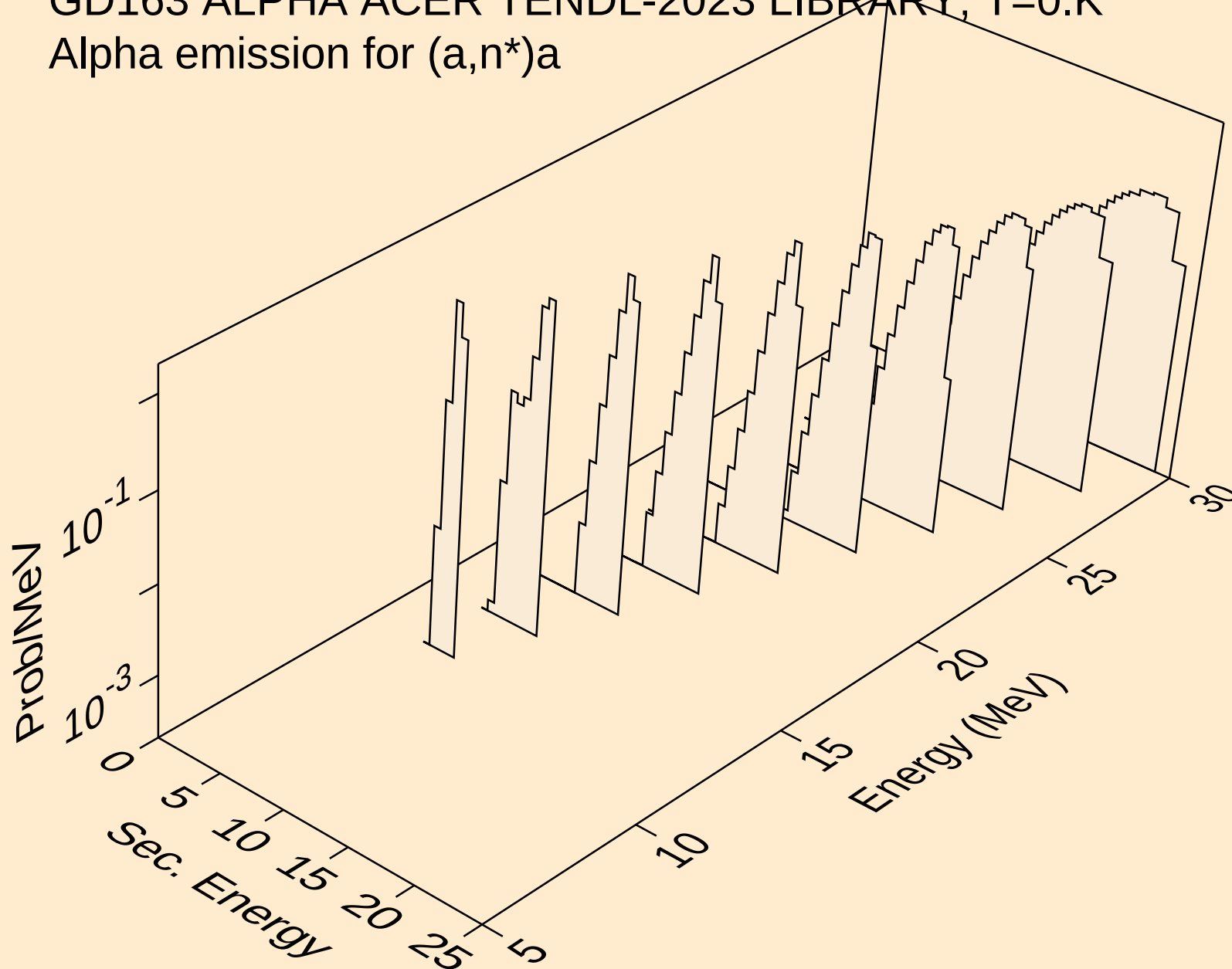
Alpha emission for (a,x)





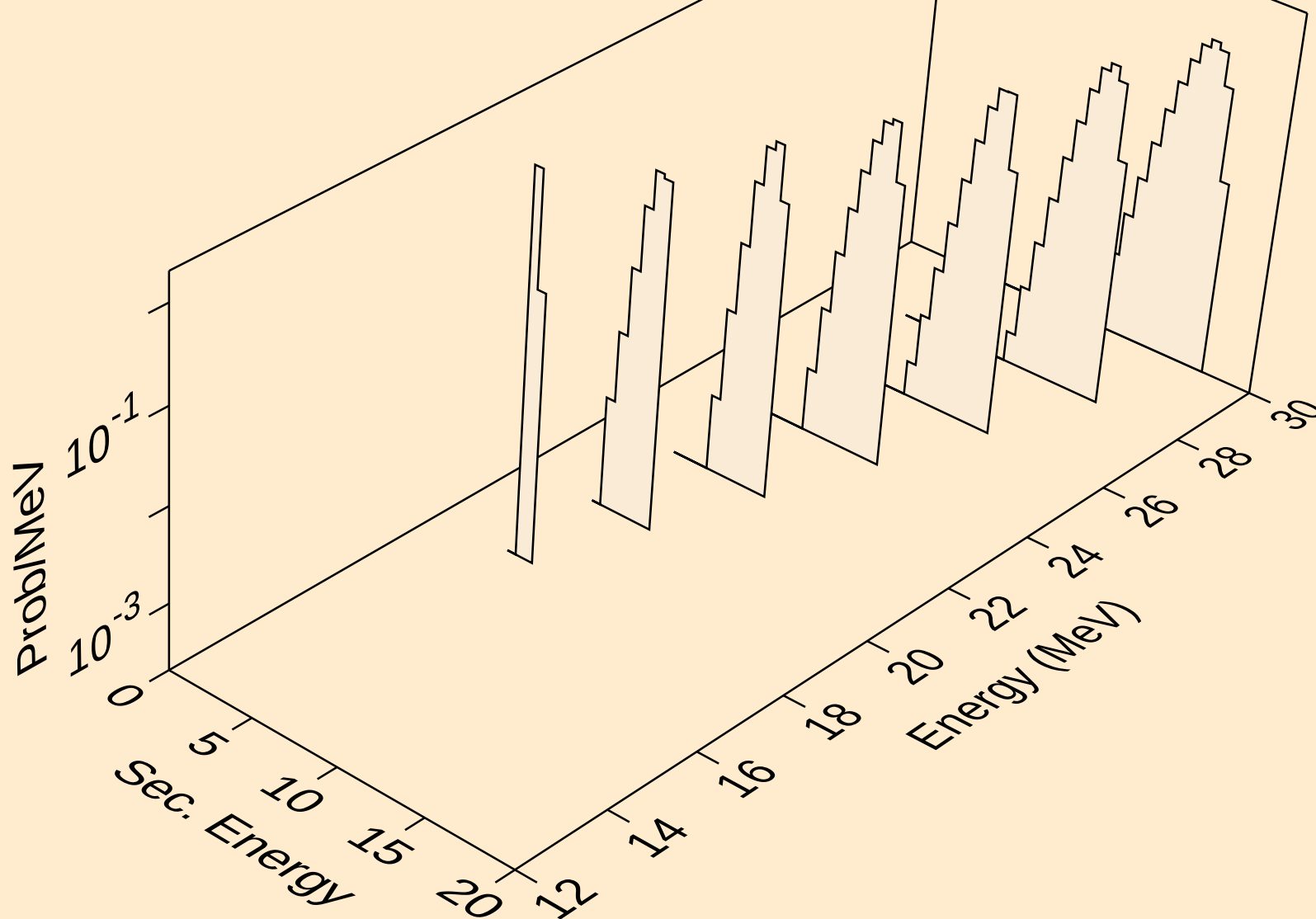
GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,n\*)a



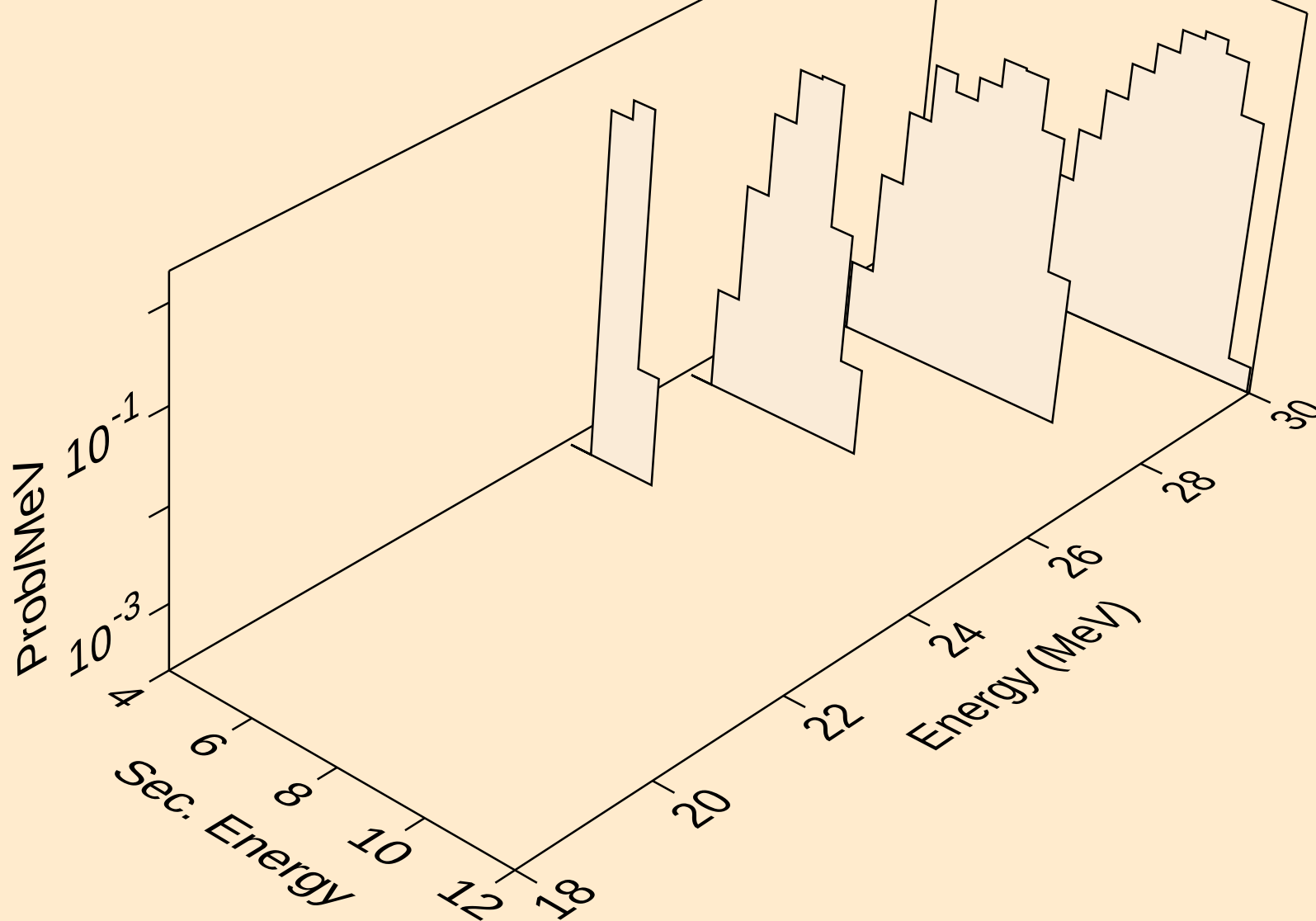
GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,2n)a



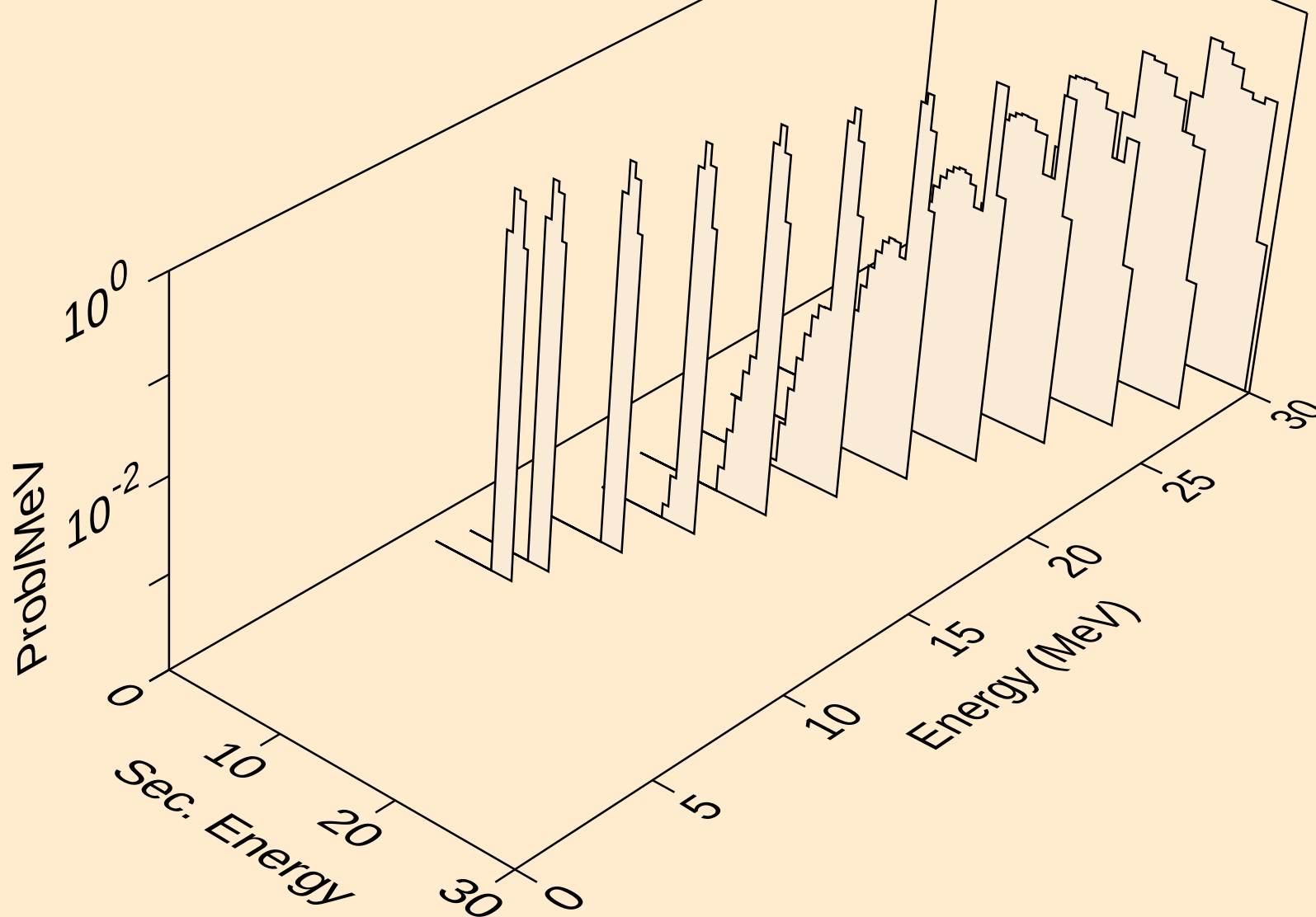
GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,3n)a

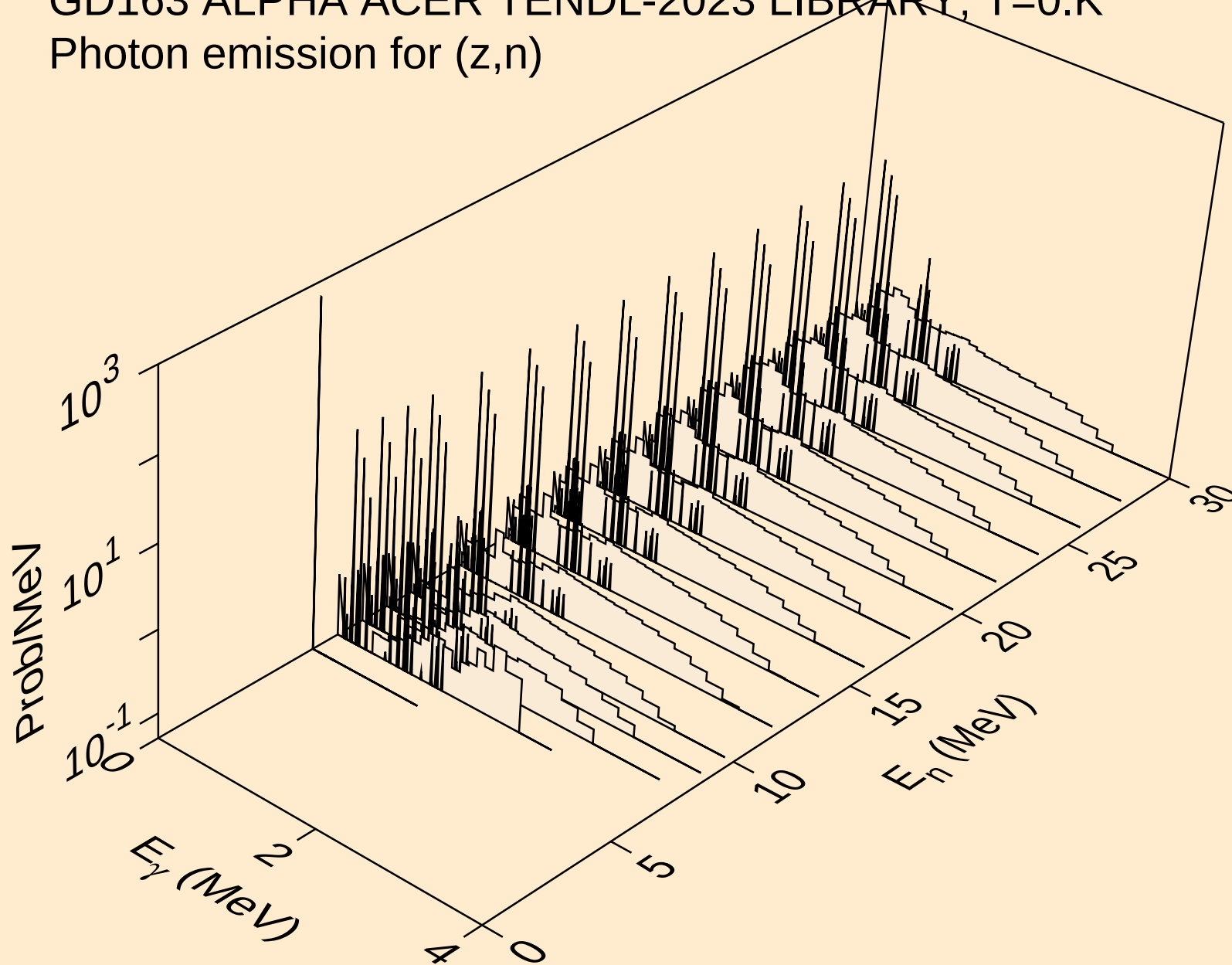


GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for inelastic

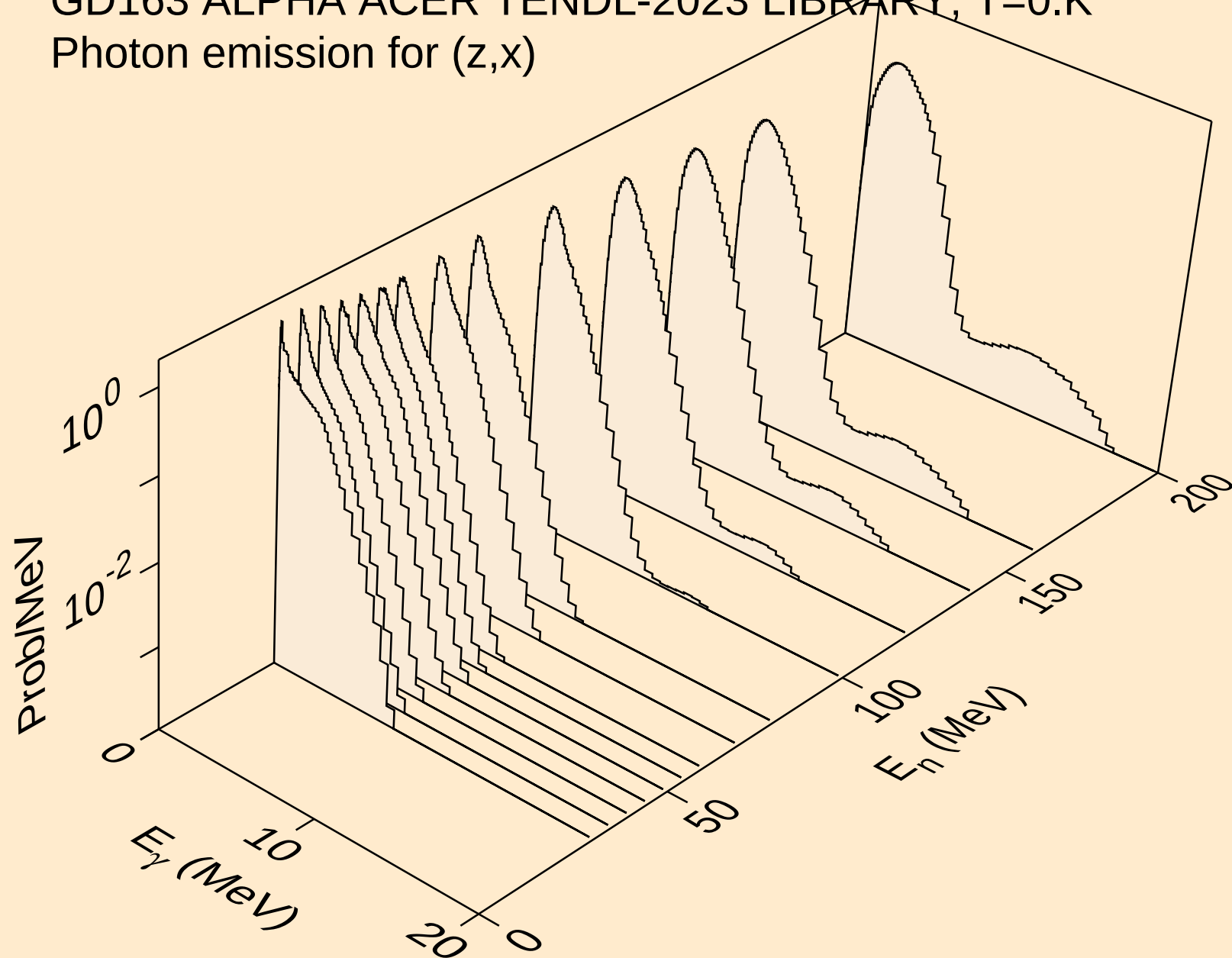


GD163 ALPHA ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (z,n)

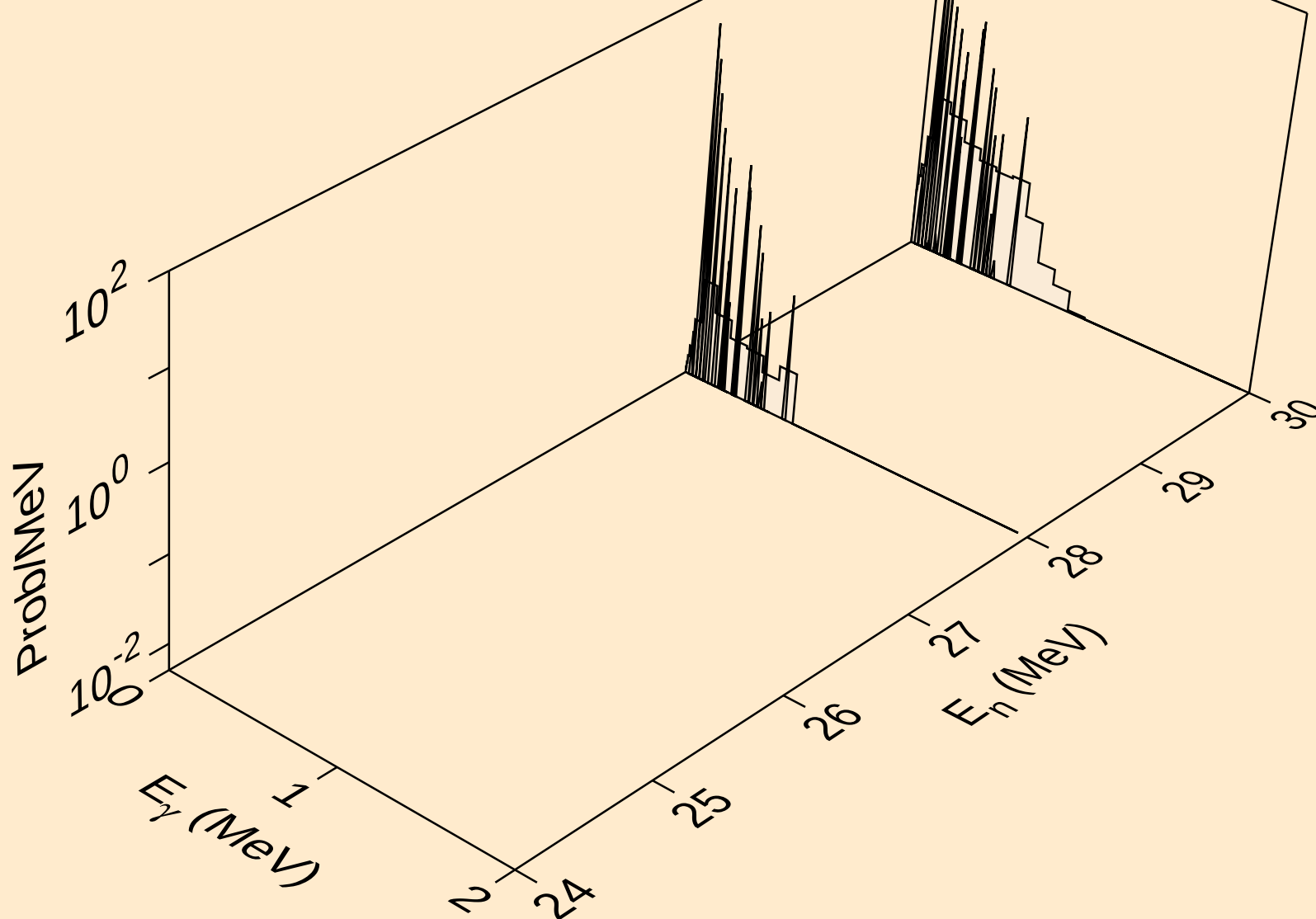


GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

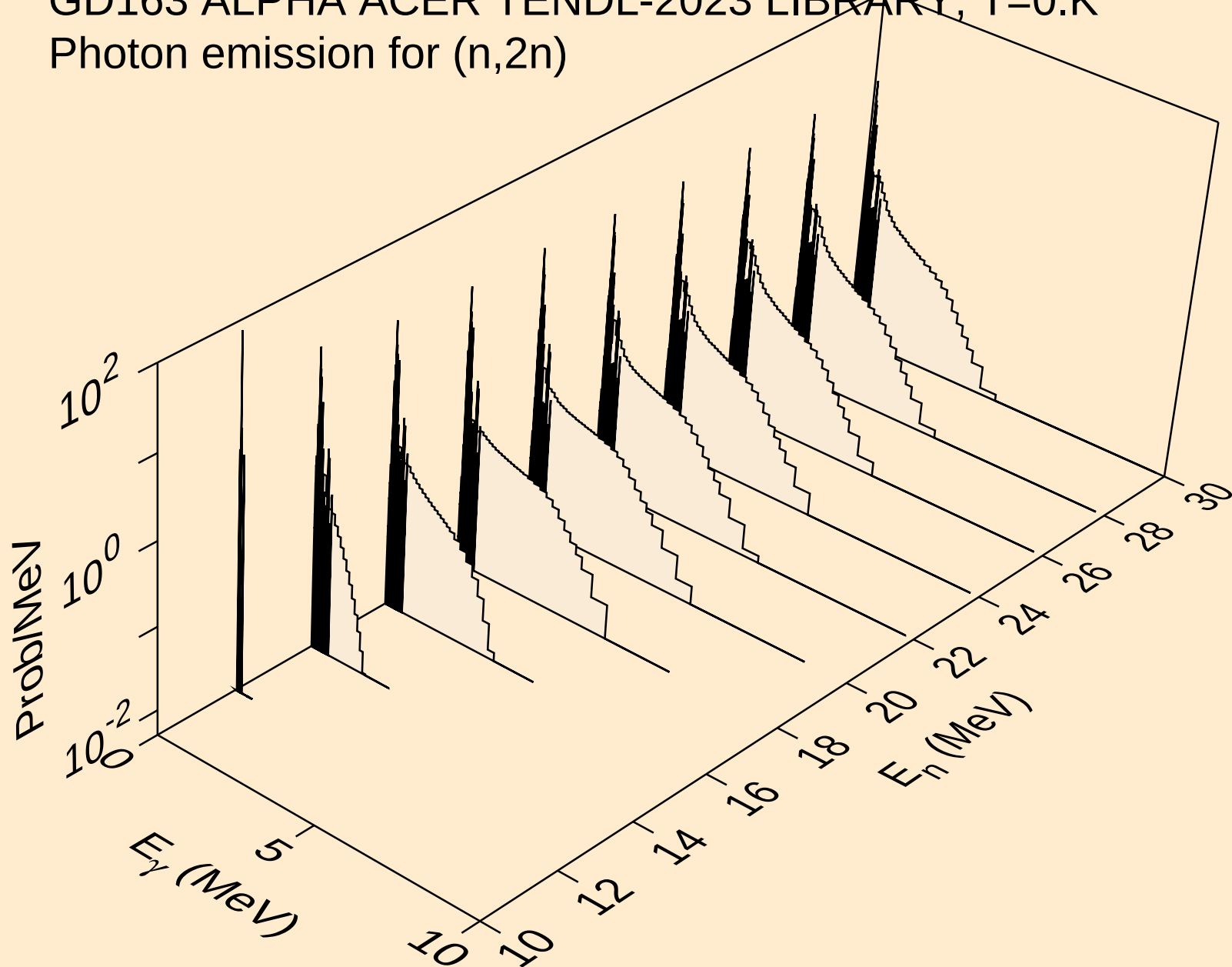
Photon emission for (z,x)



GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)

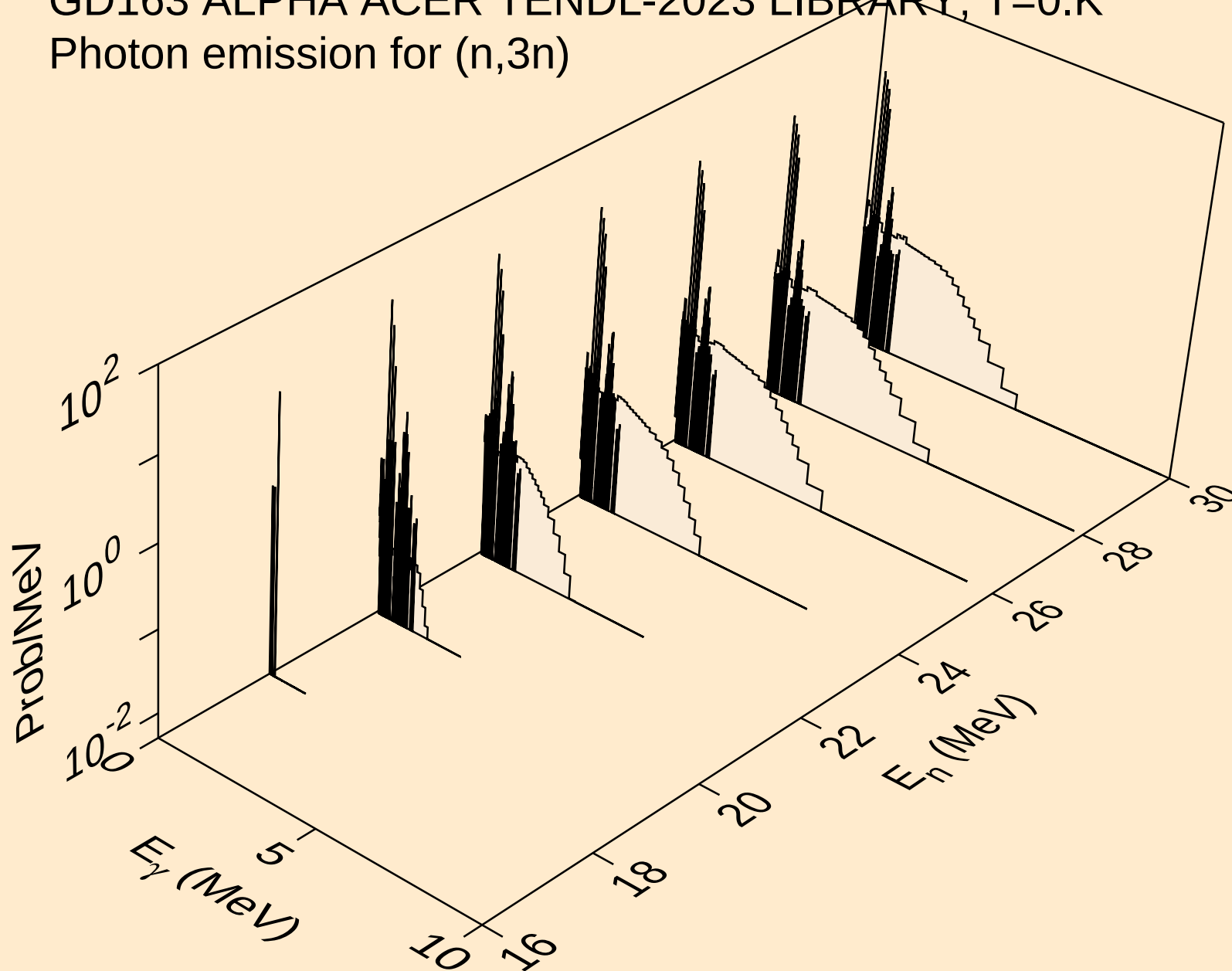


GD163 ALPHA ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,2n)



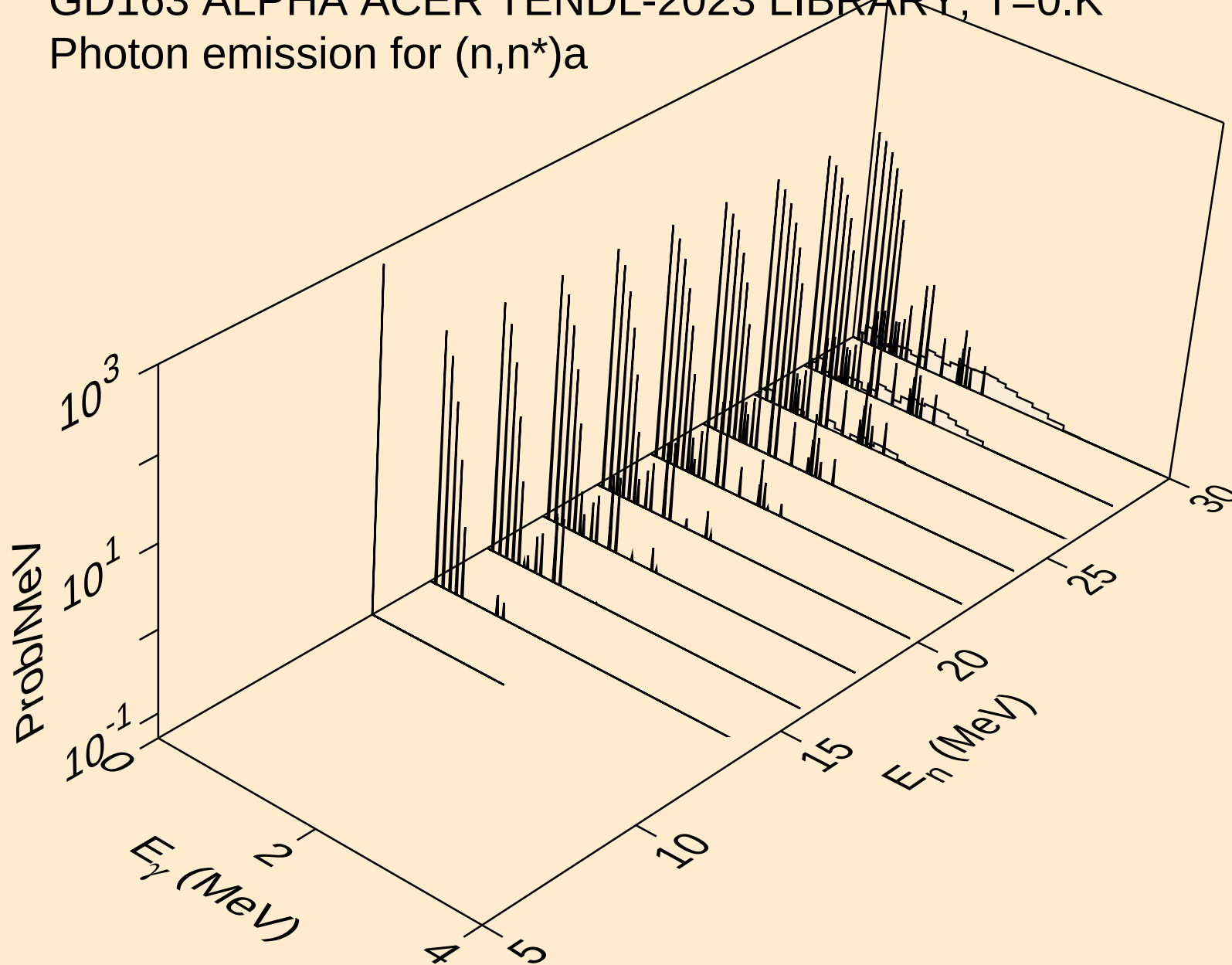


GD163 ALPHA ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,3n)

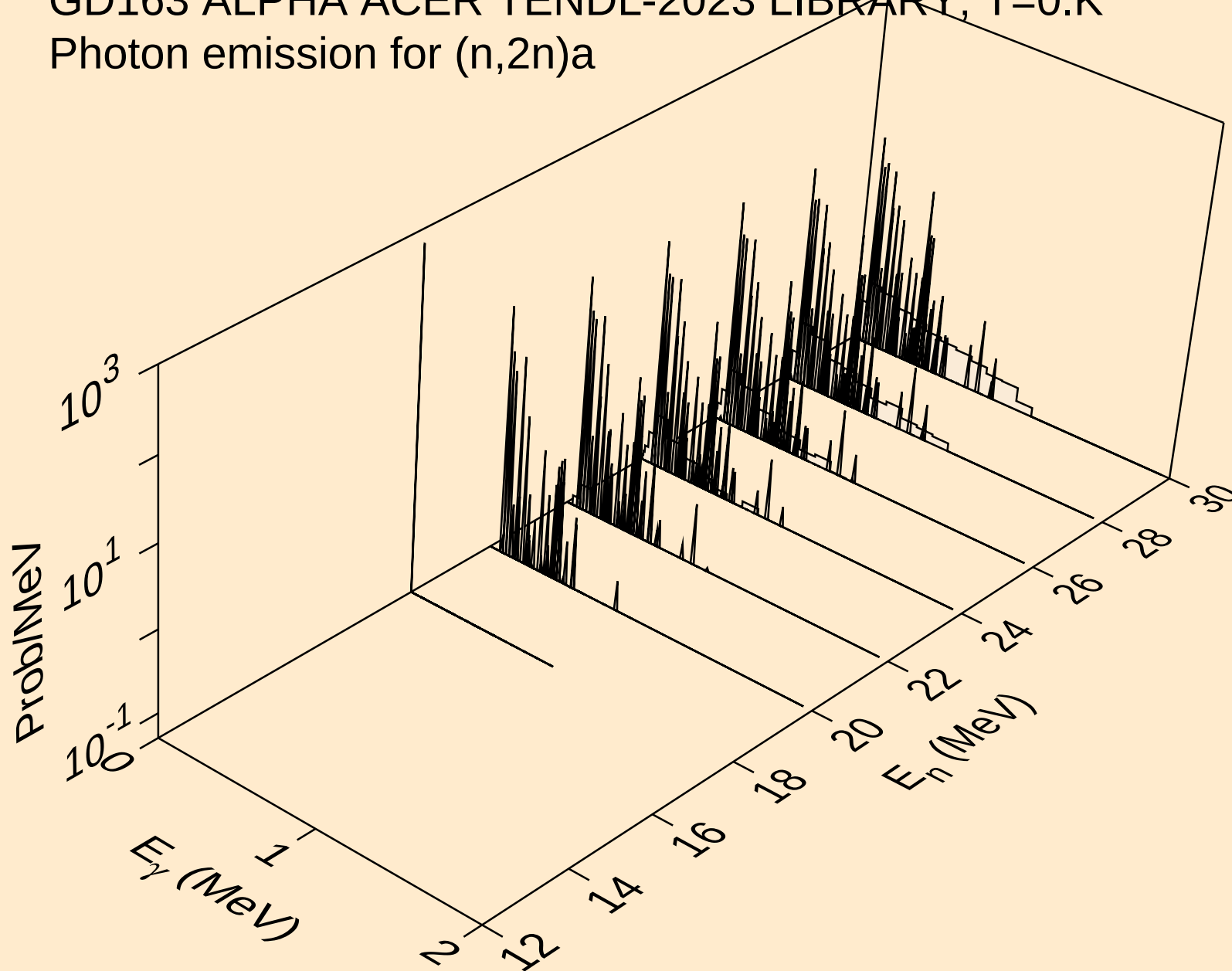


GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)a

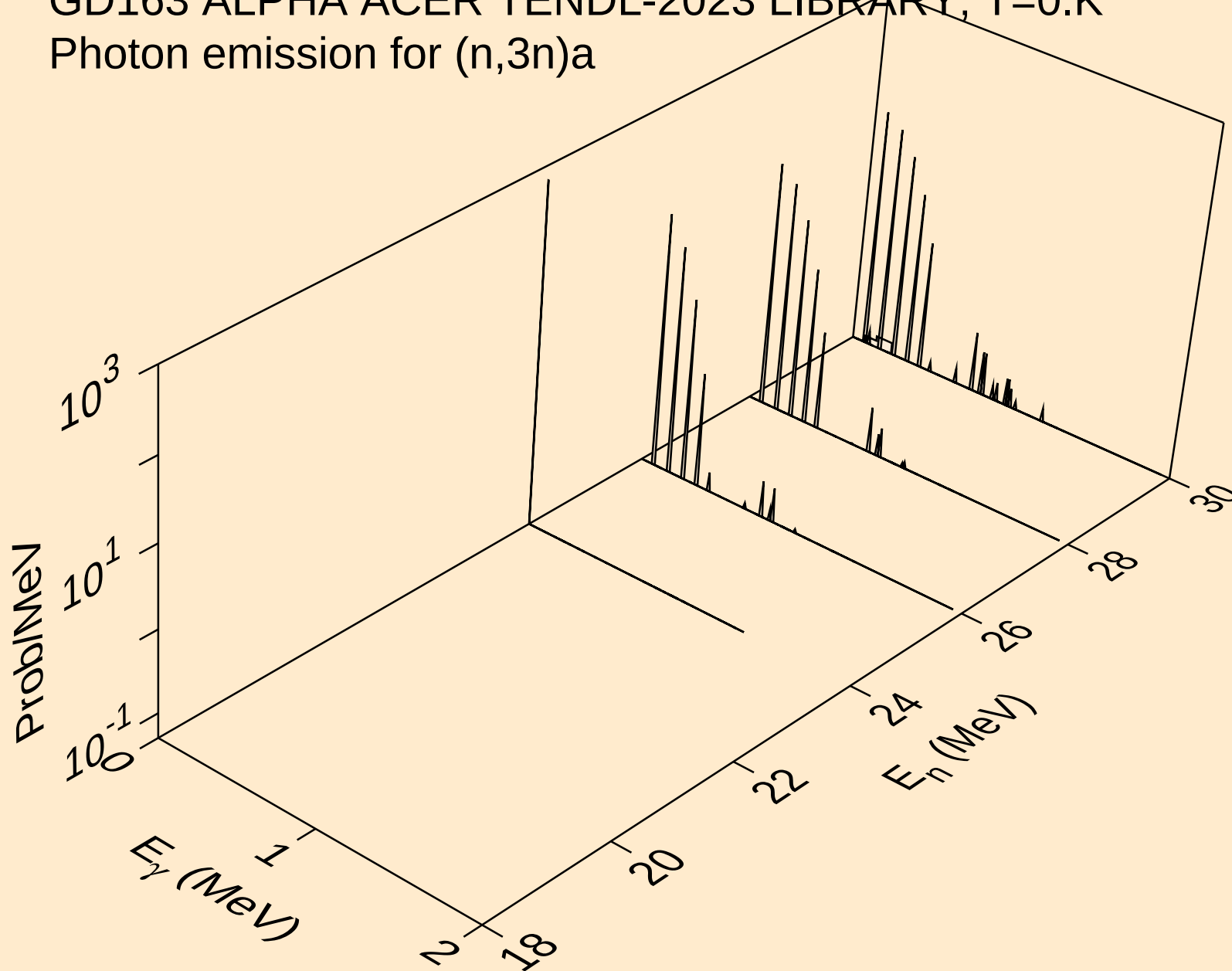


GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



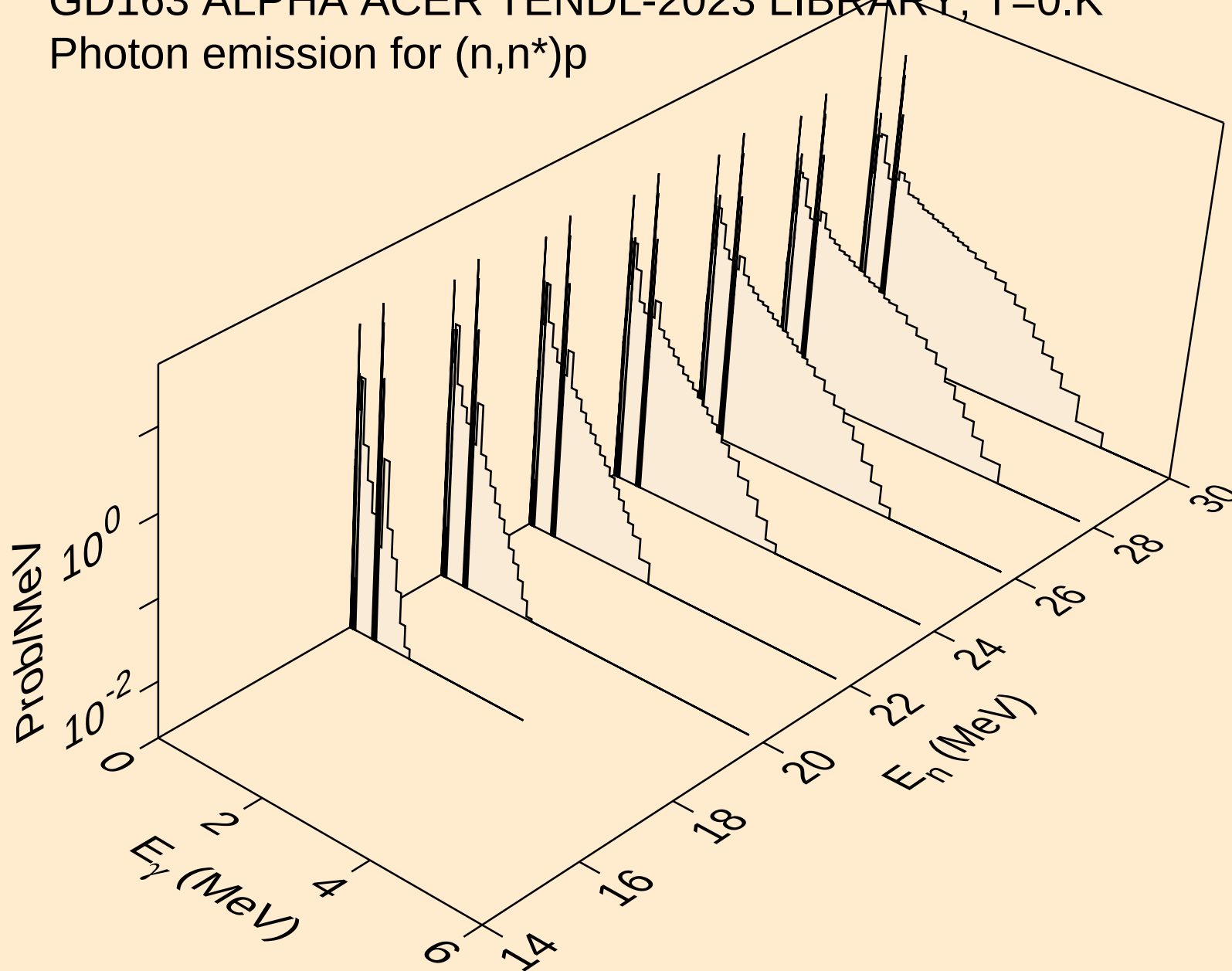
GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

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



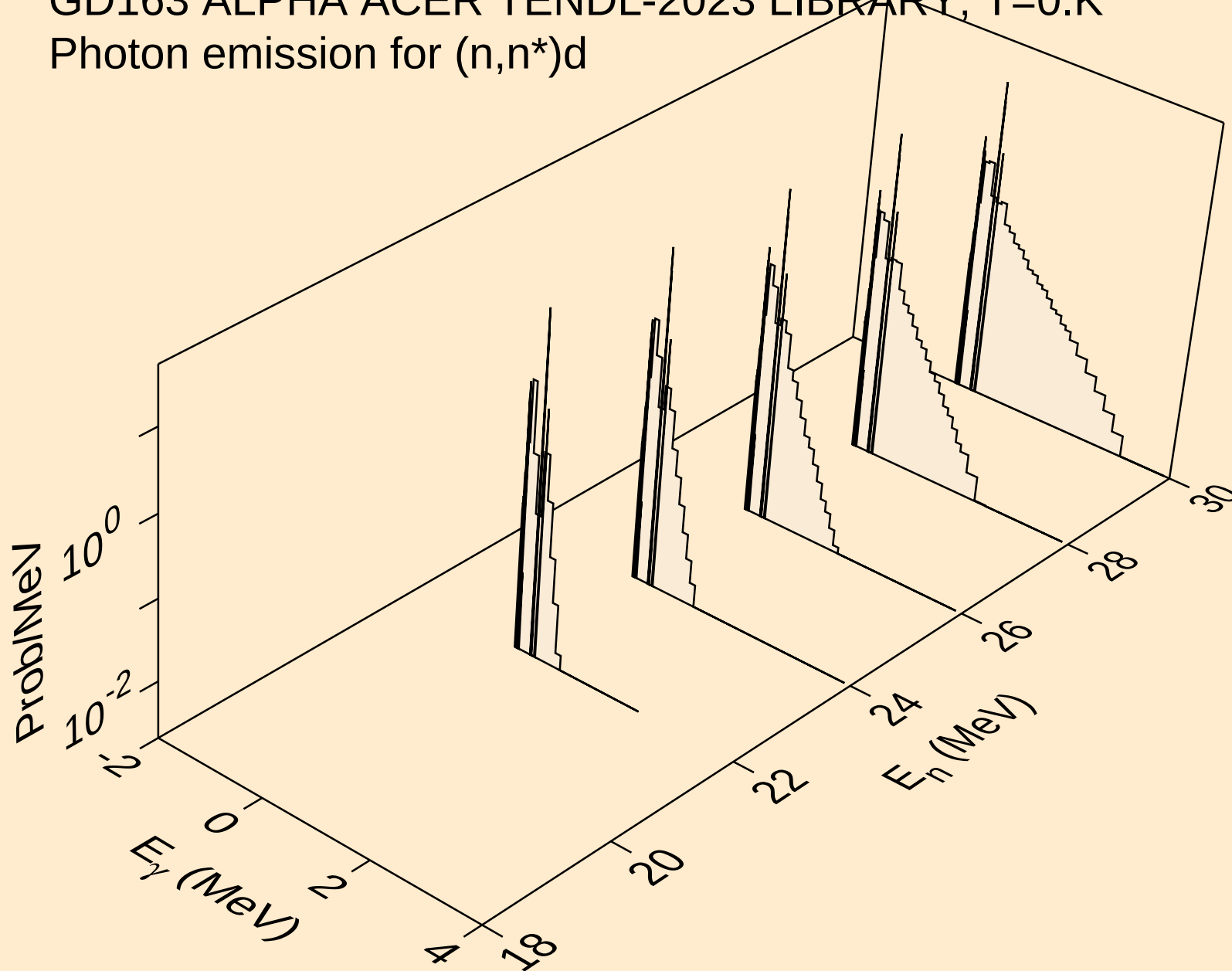
GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)p



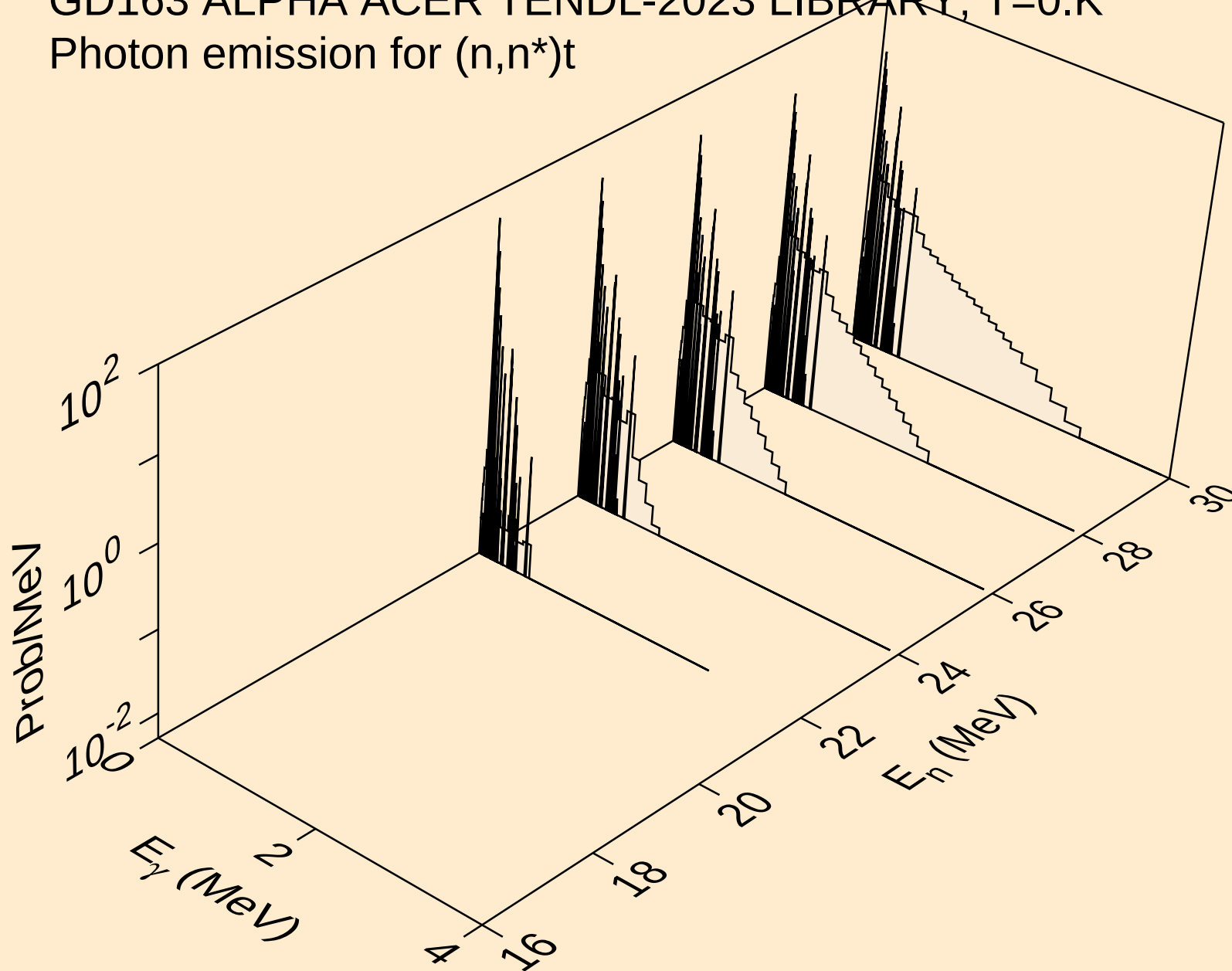
GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)d

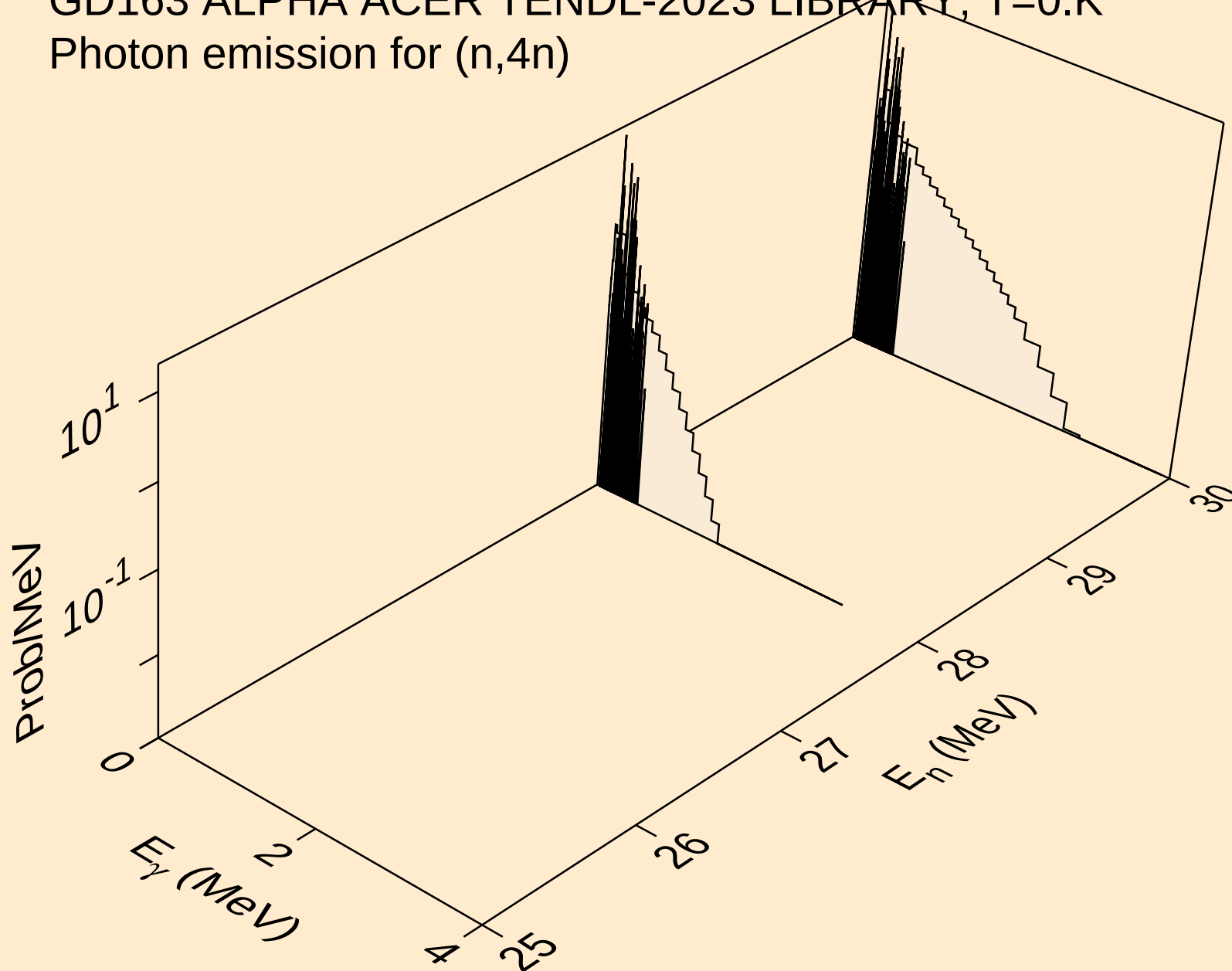


GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)t

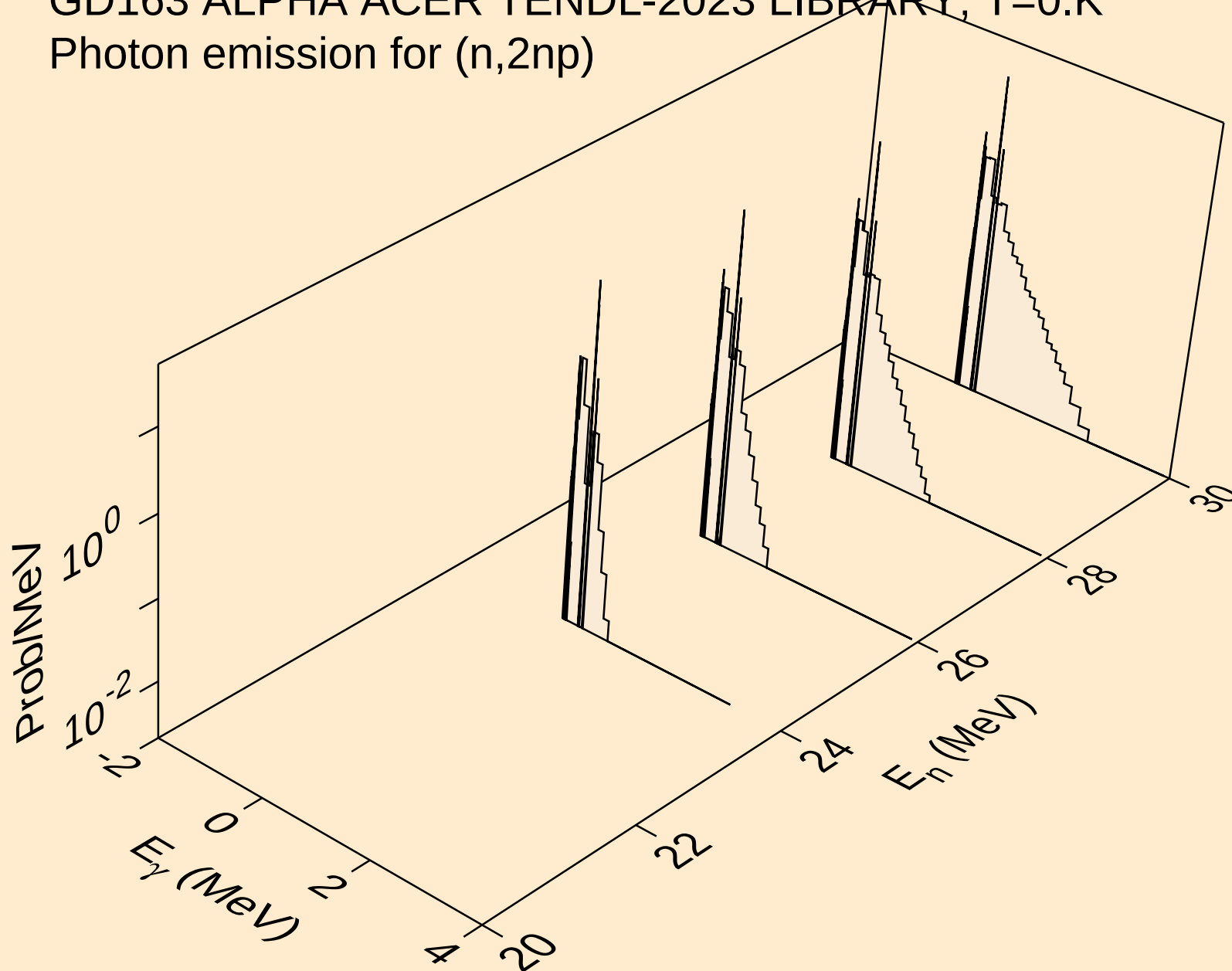


GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)

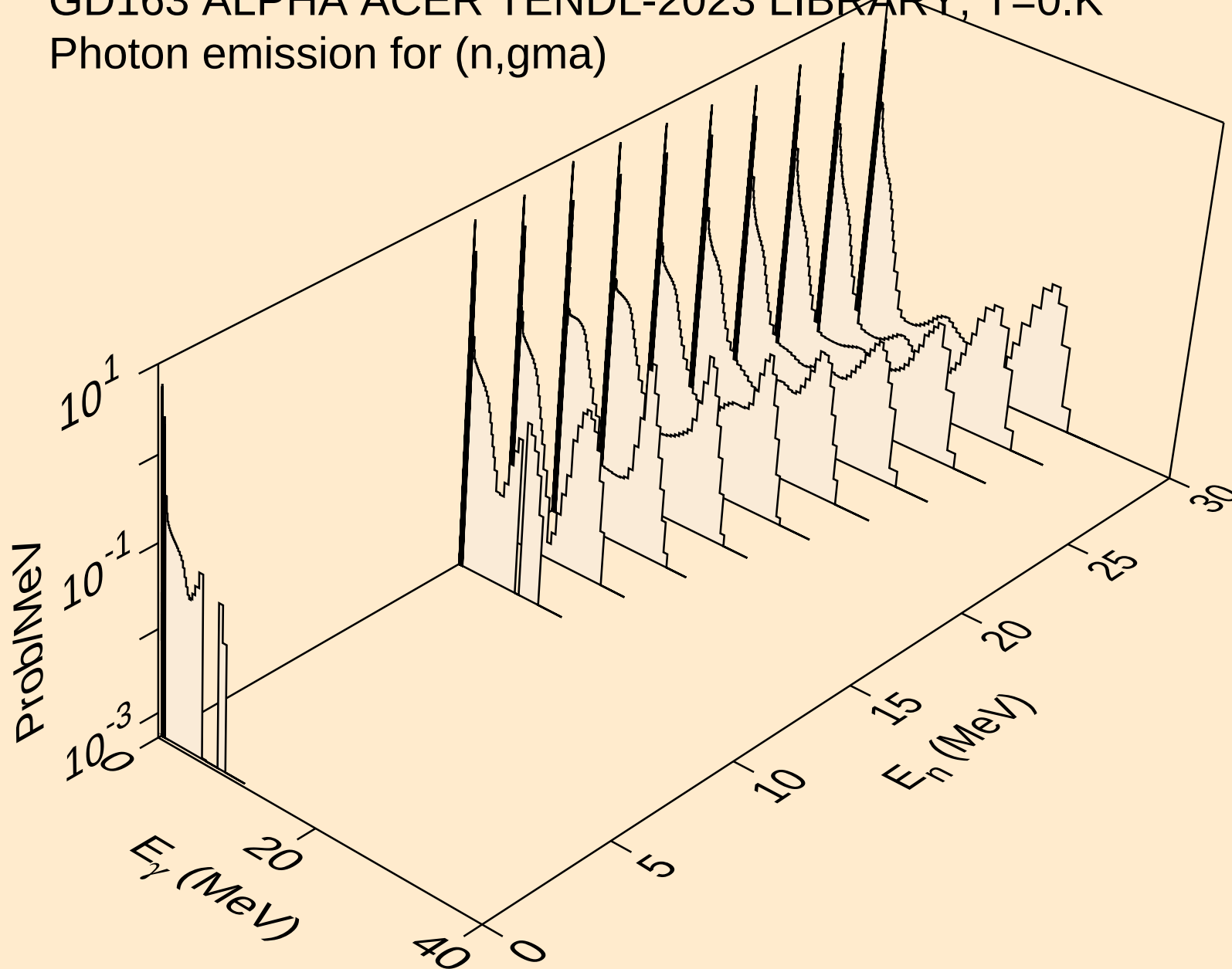




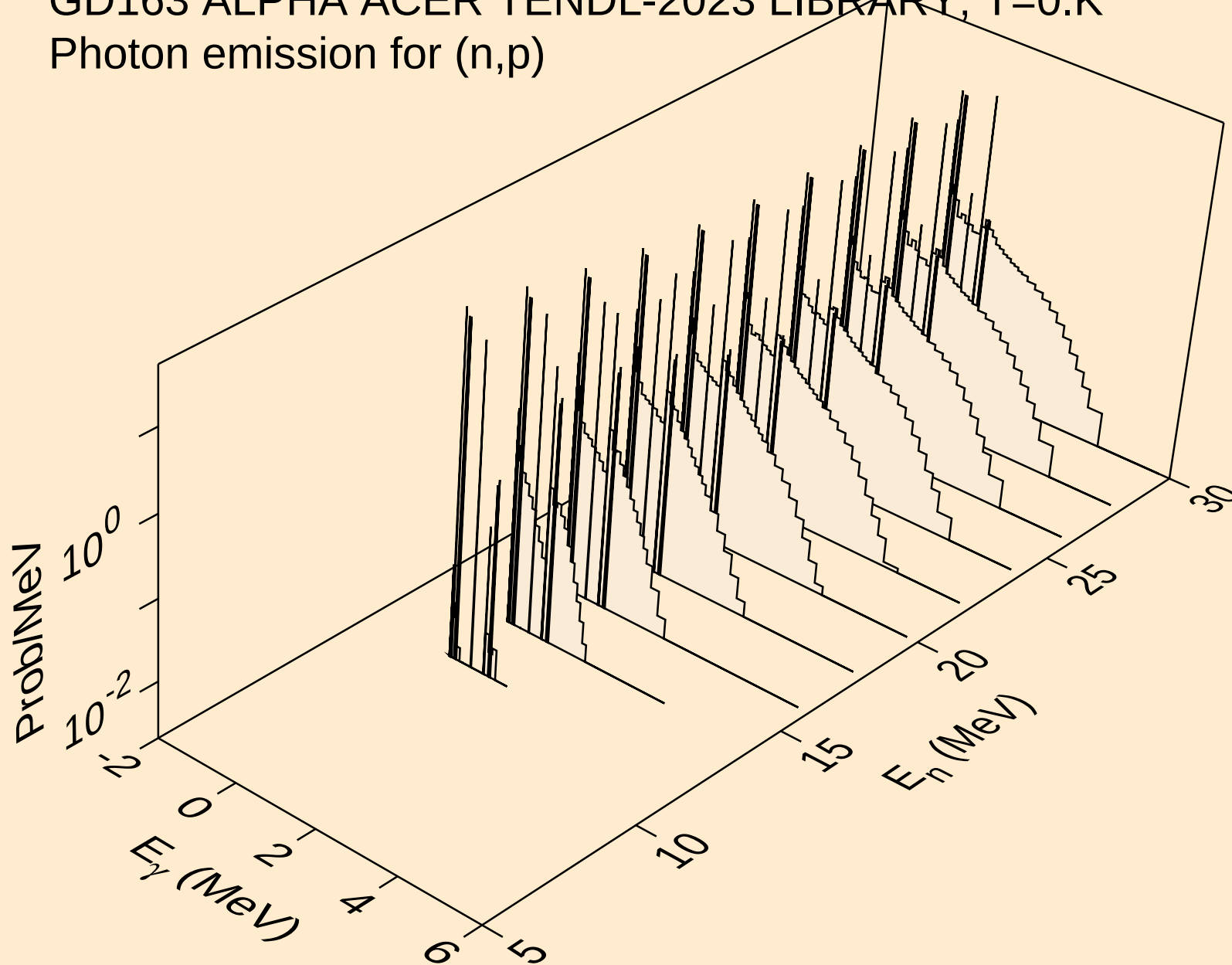
GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



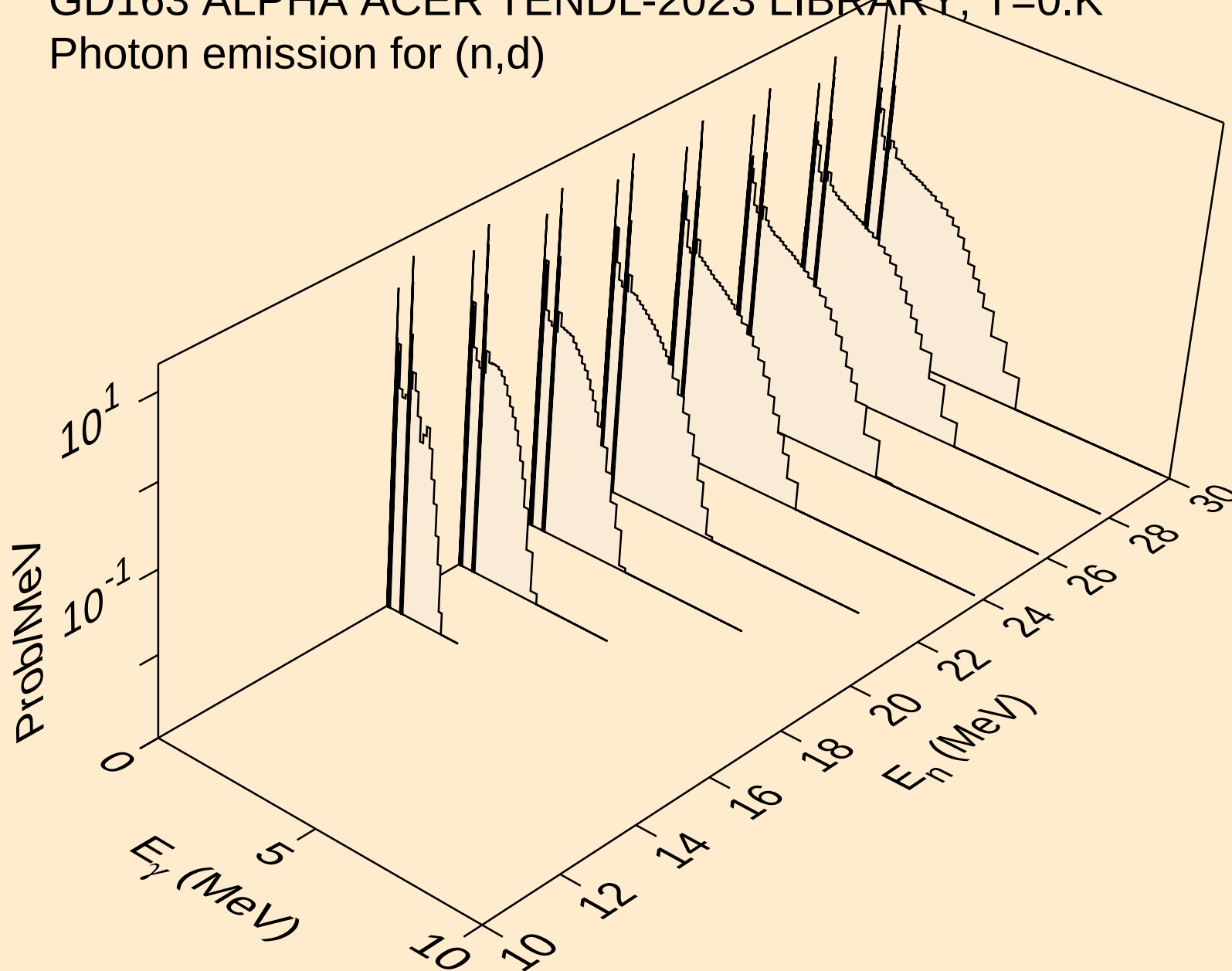
GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)

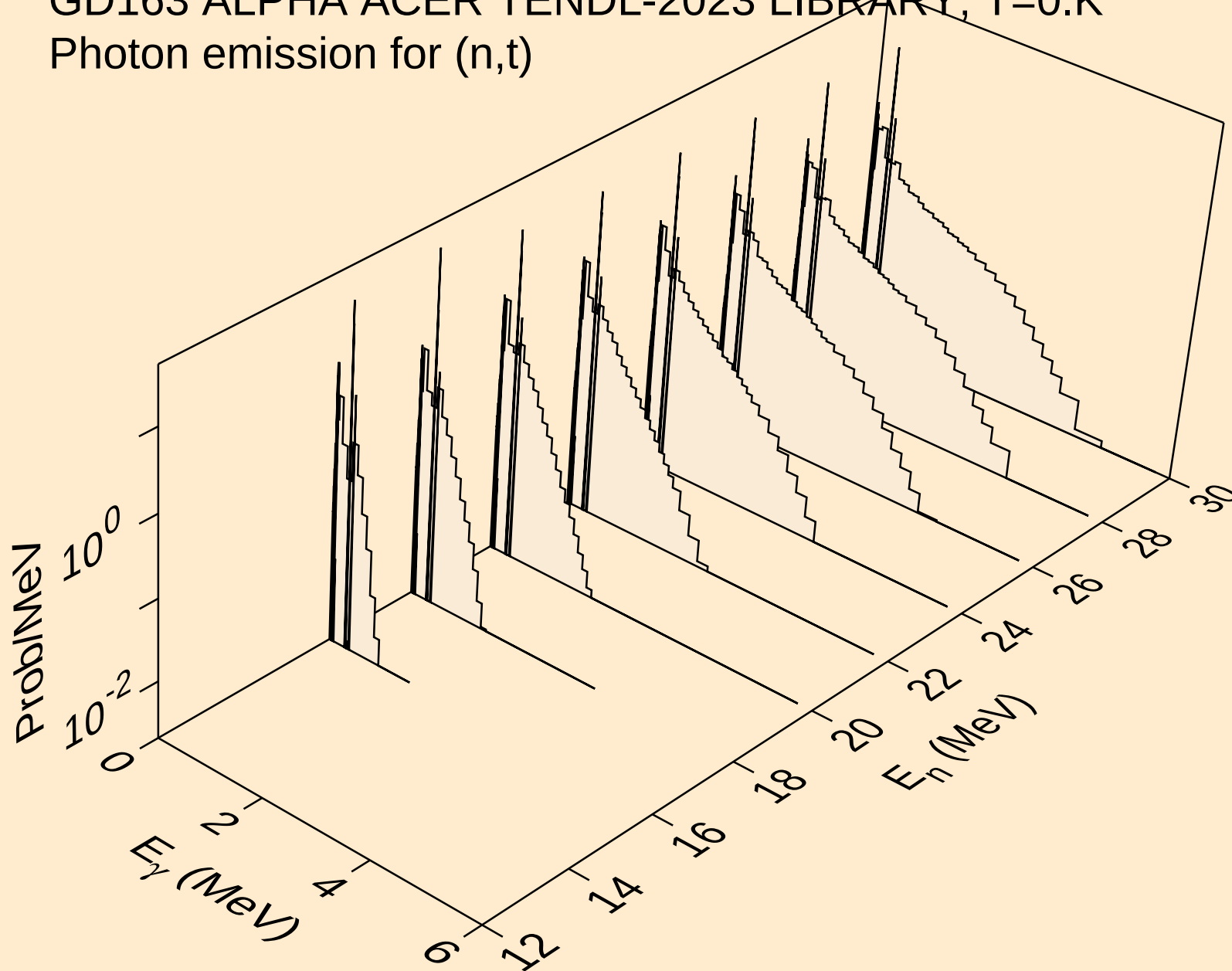


GD163 ALPHA ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,d)

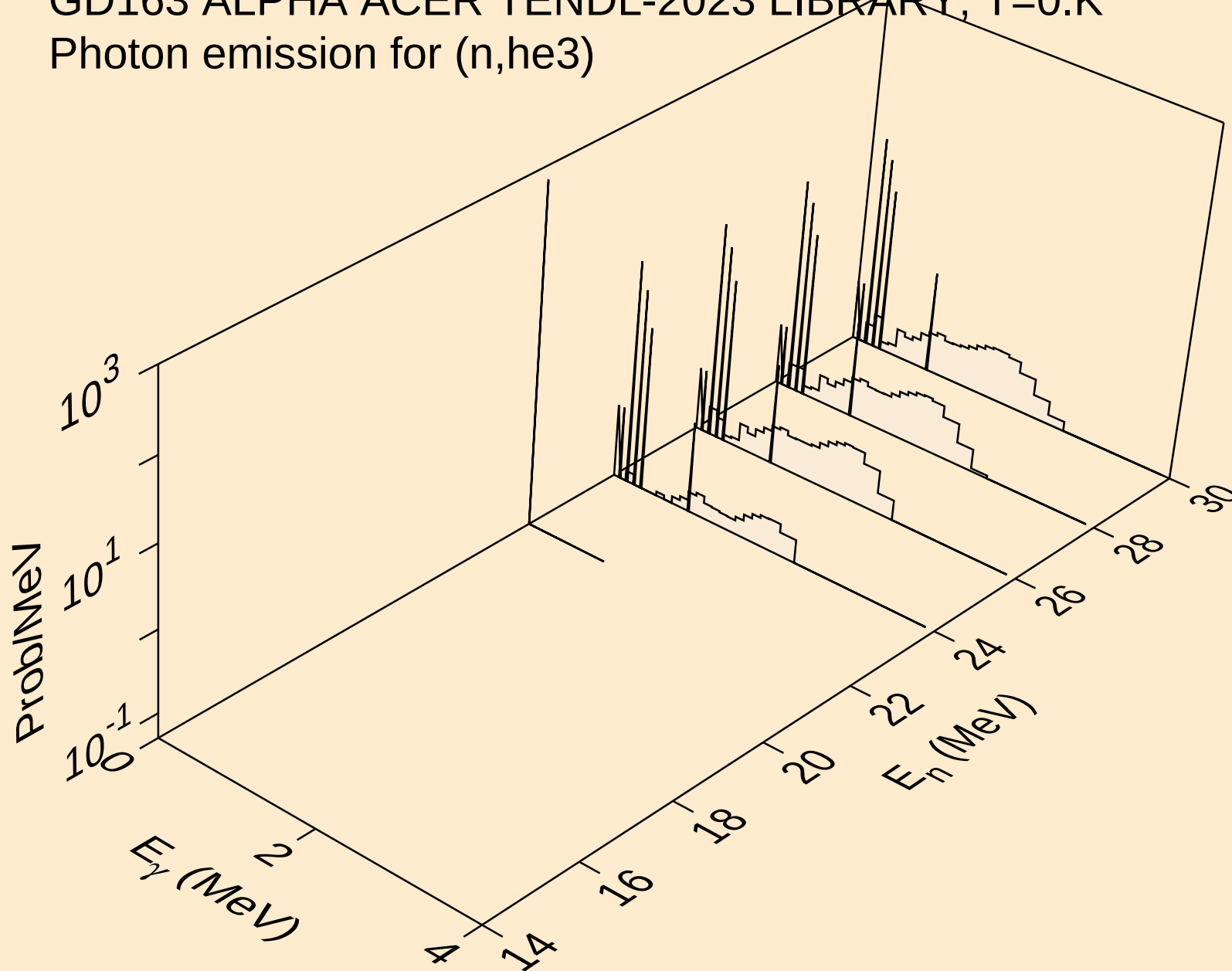


GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

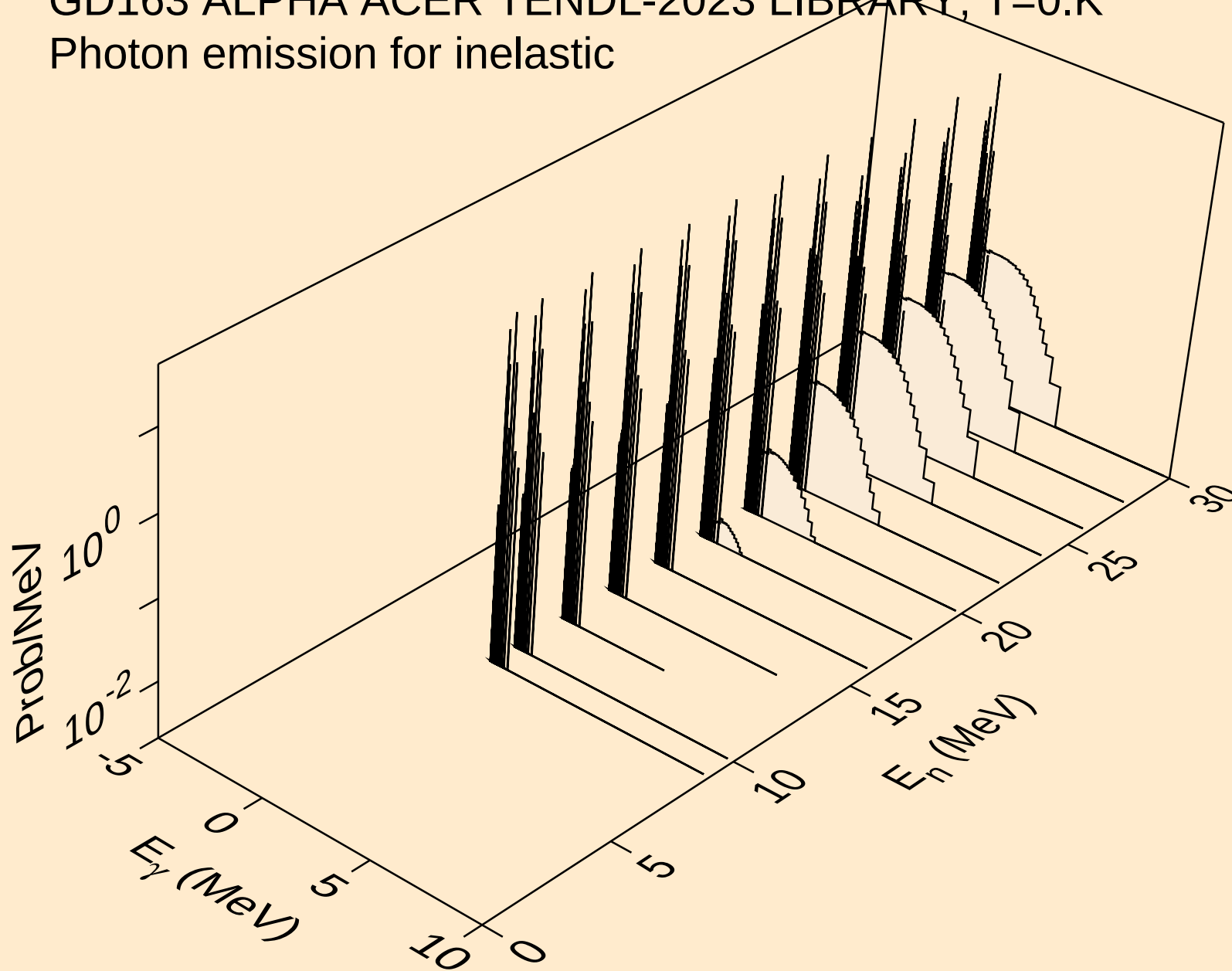
Photon emission for (n,t)



GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)

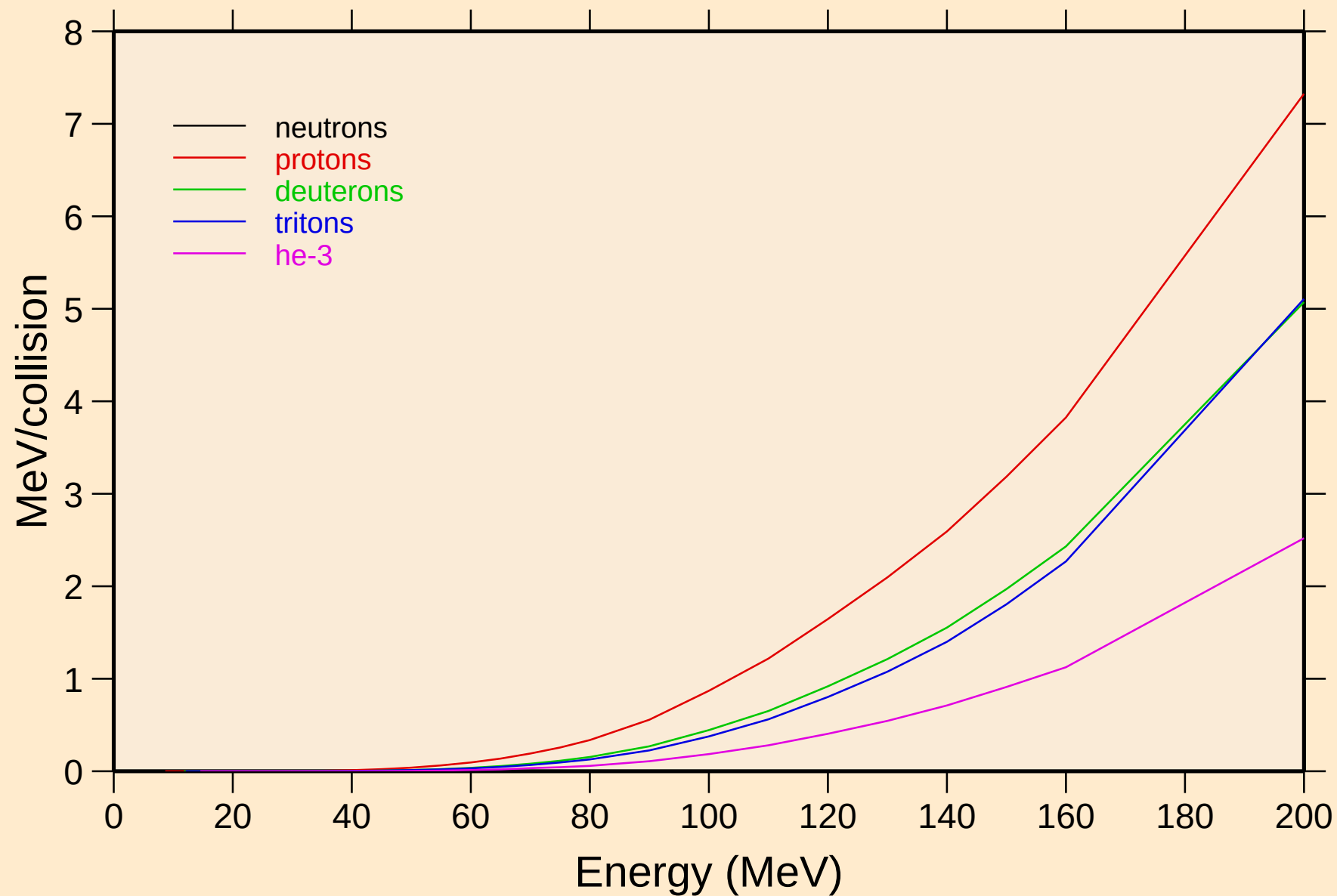


GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



# GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

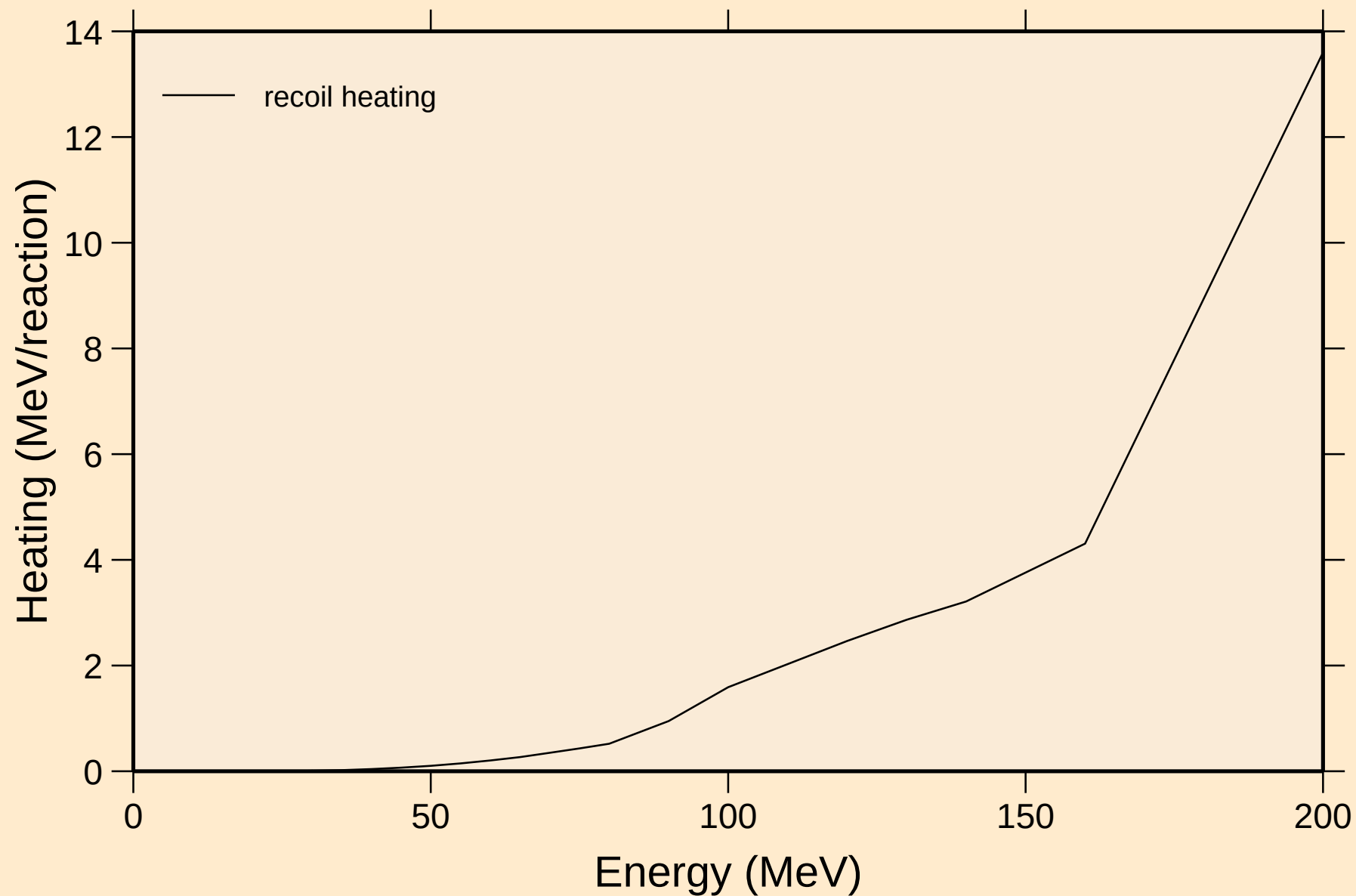
## Particle heating contributions





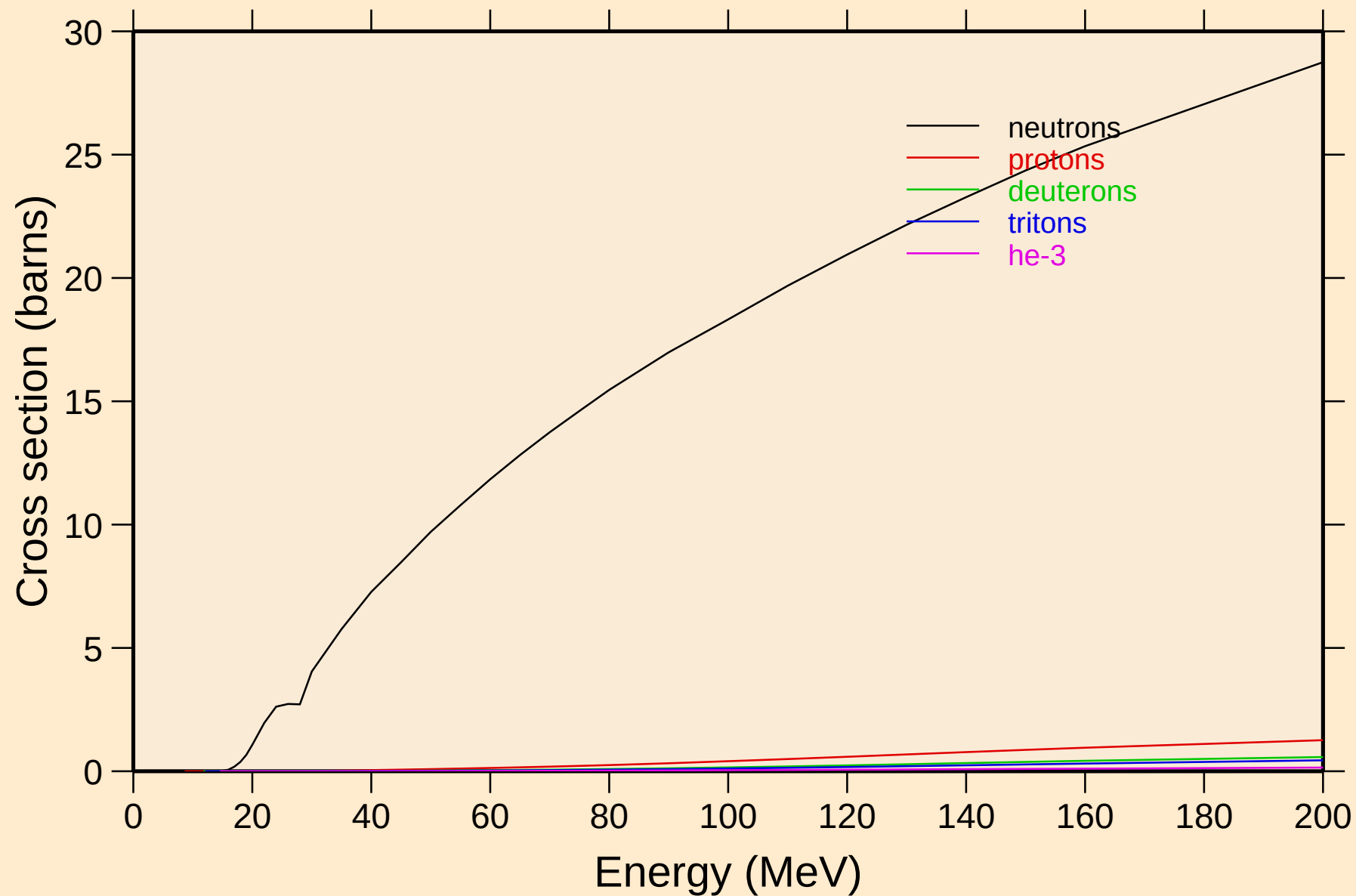
GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Recoil Heating

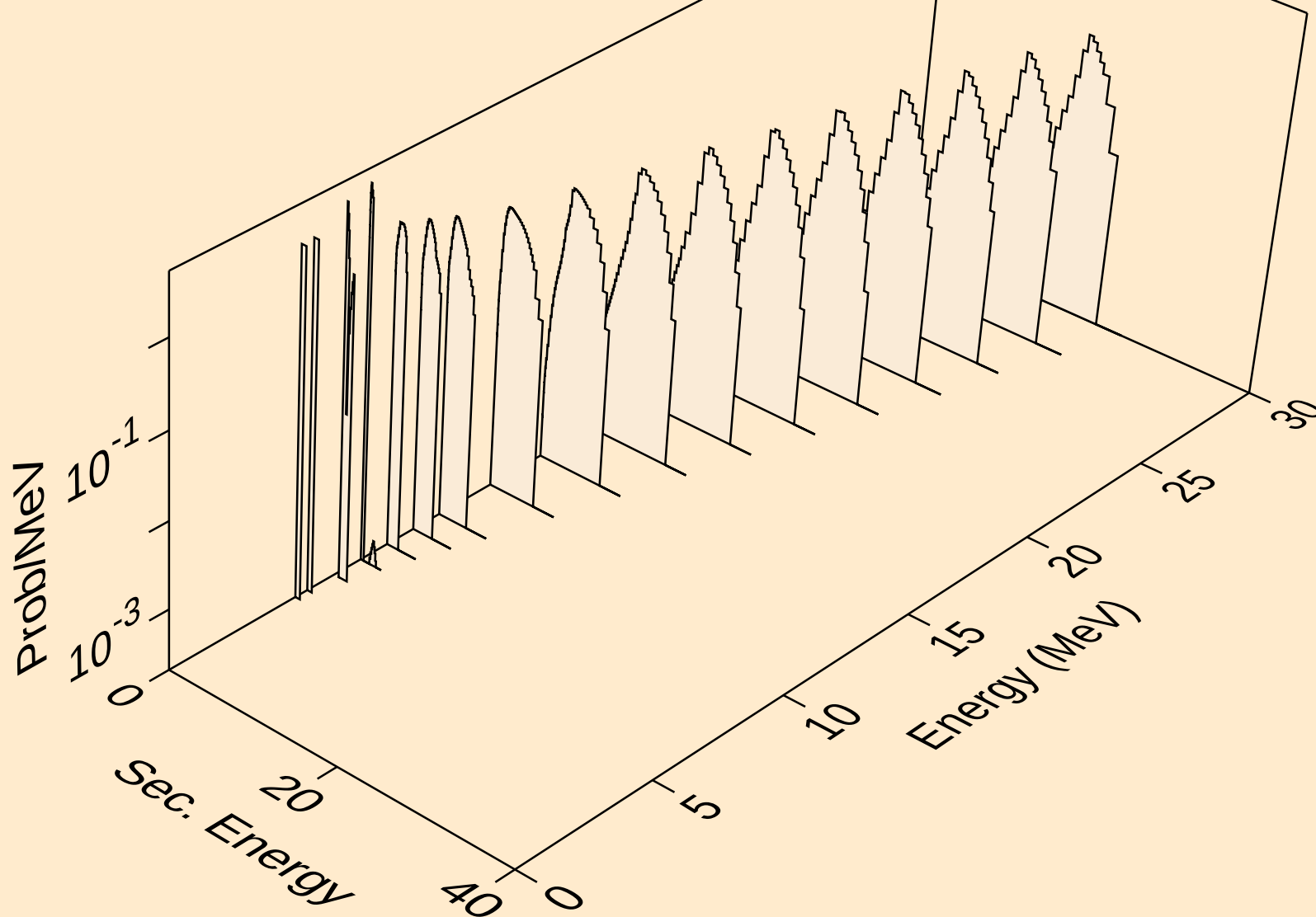


GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

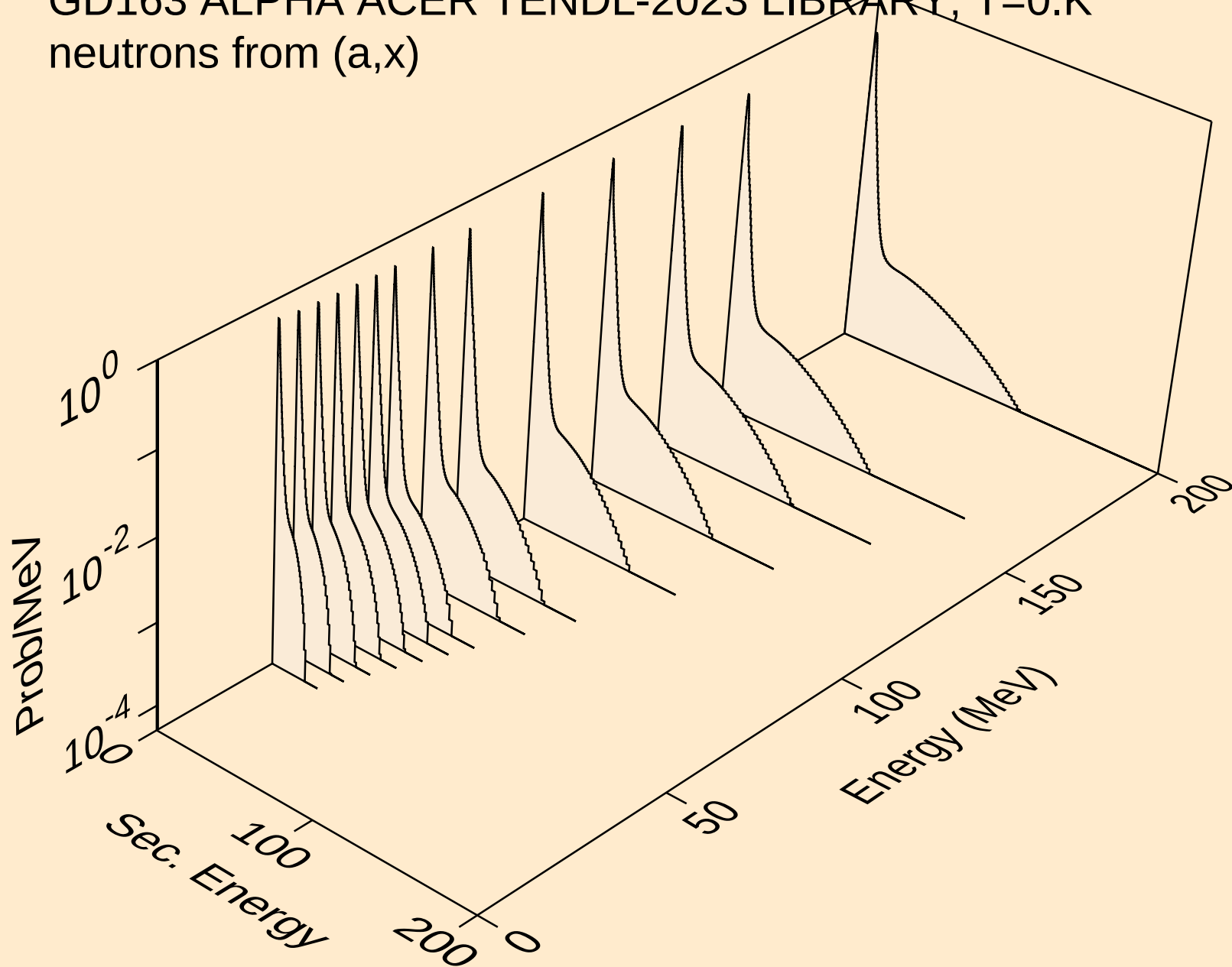
Particle production cross sections



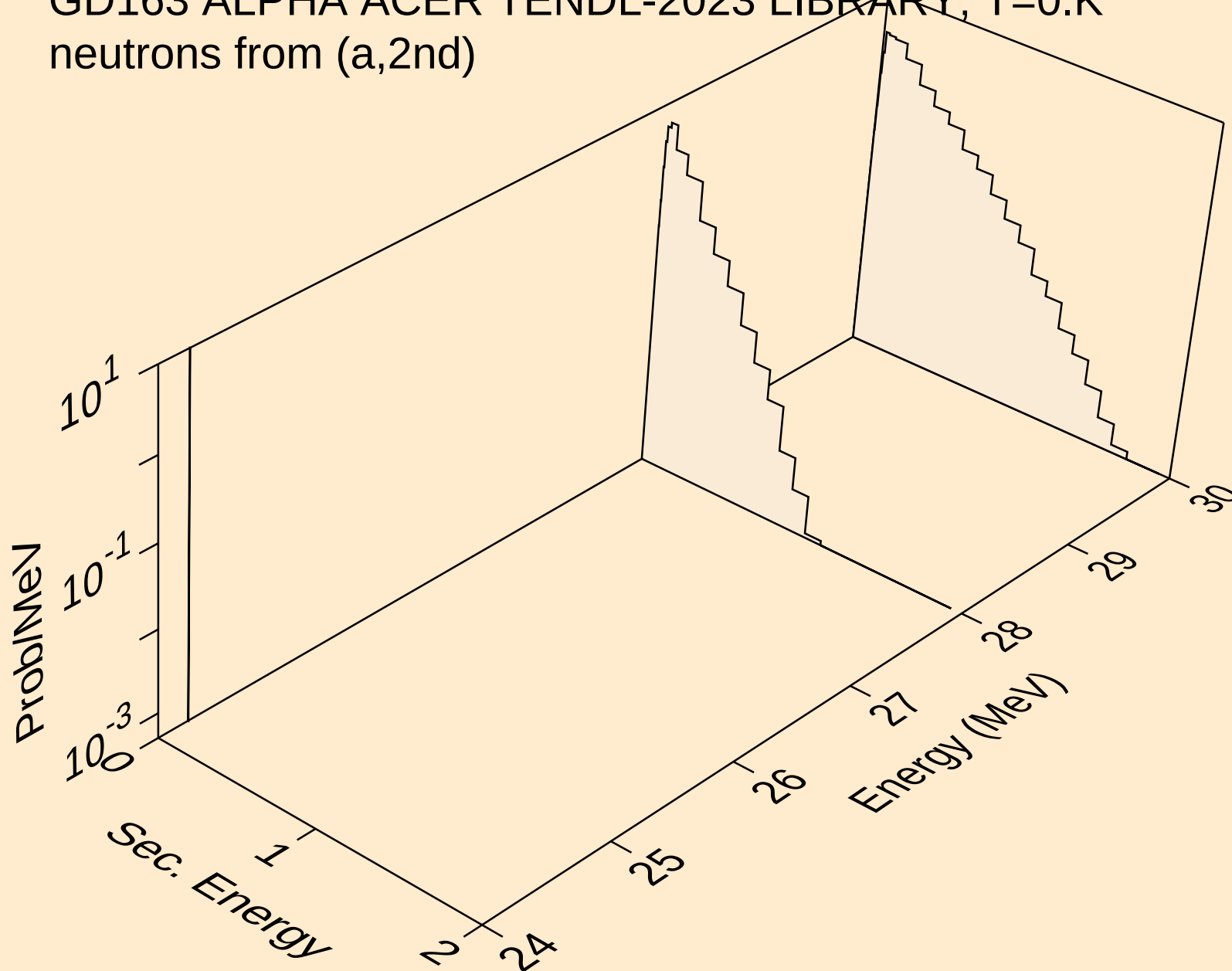
GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n)



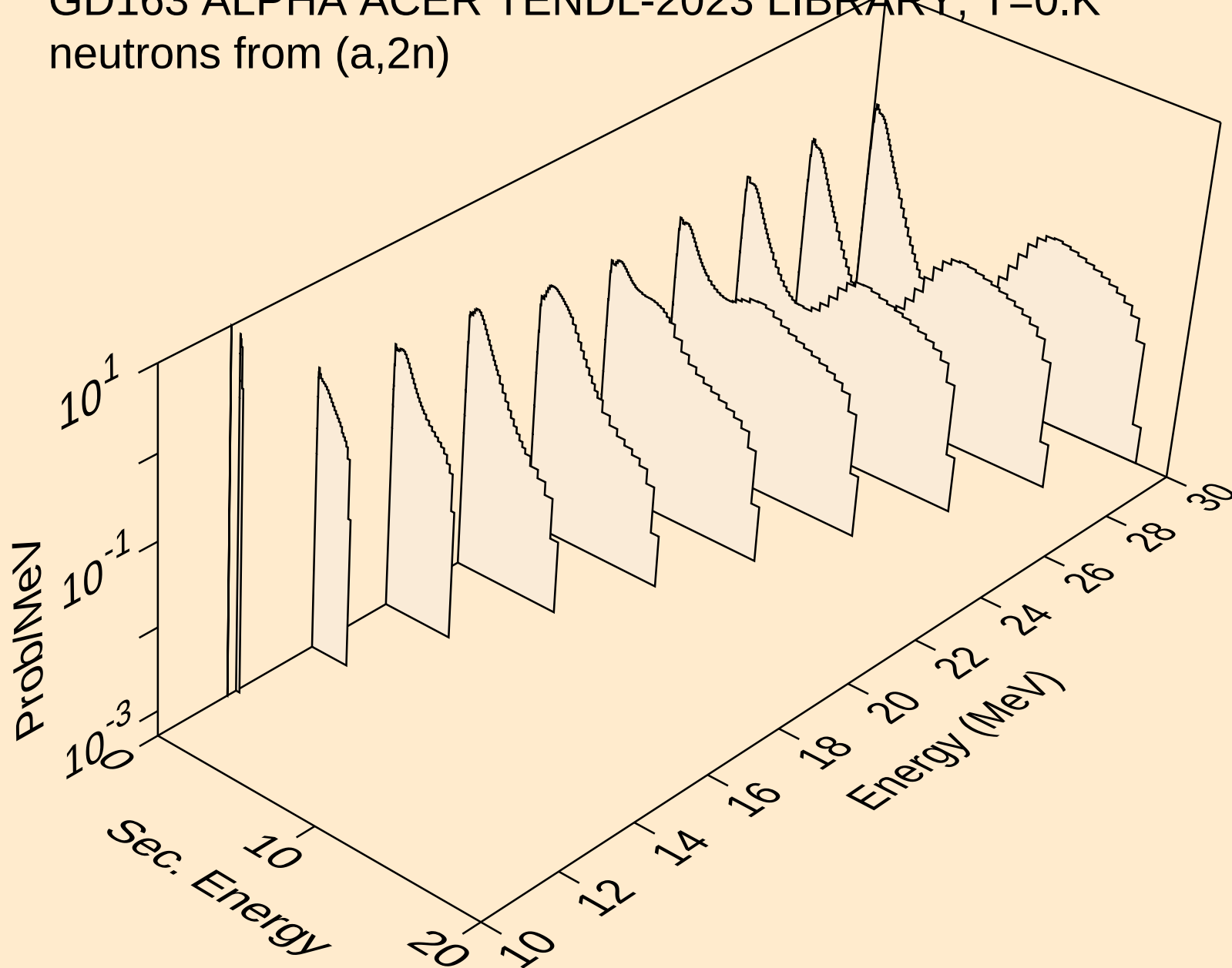
GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,x)



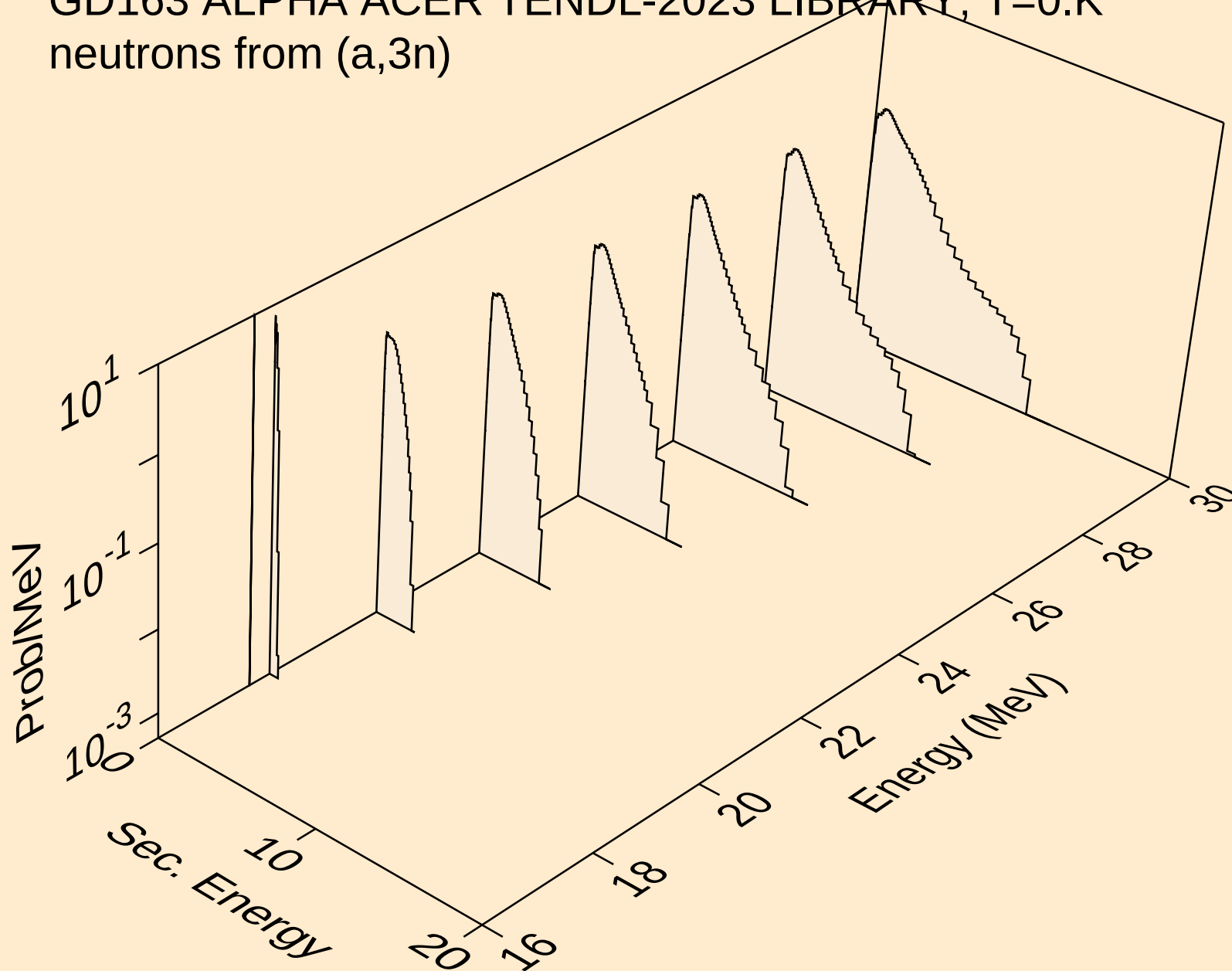
GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2nd)



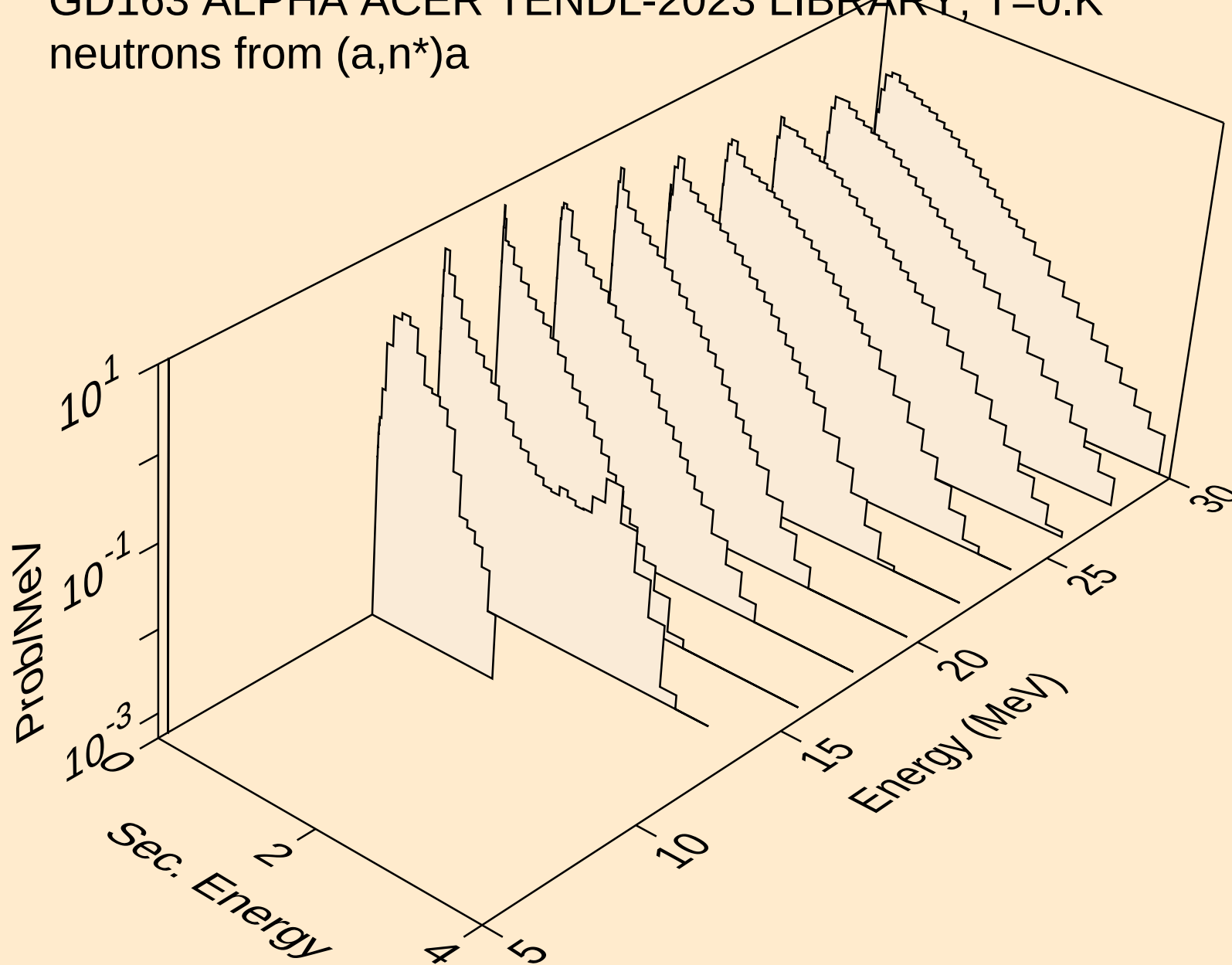
GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2n)



GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,3n)

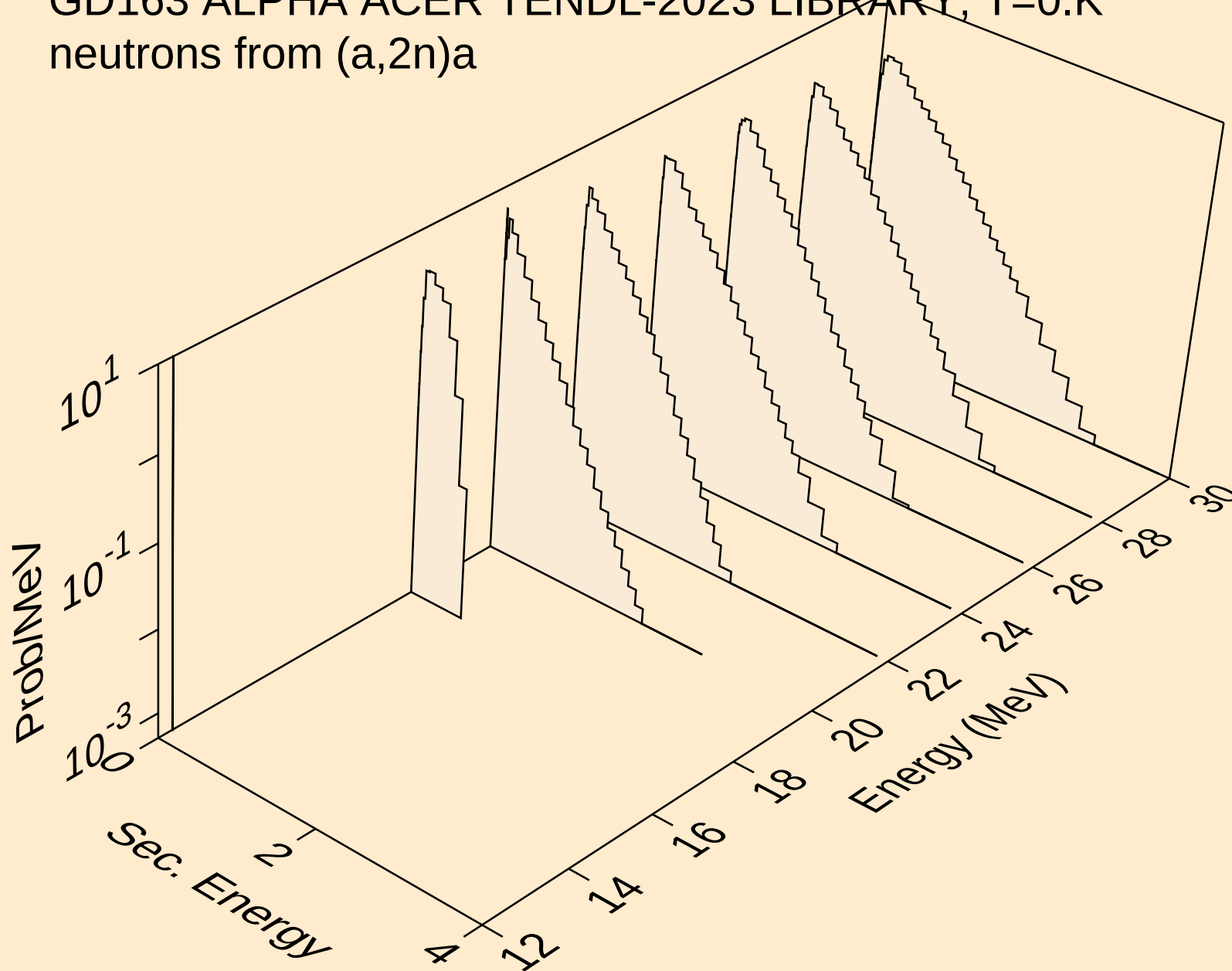


GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)a

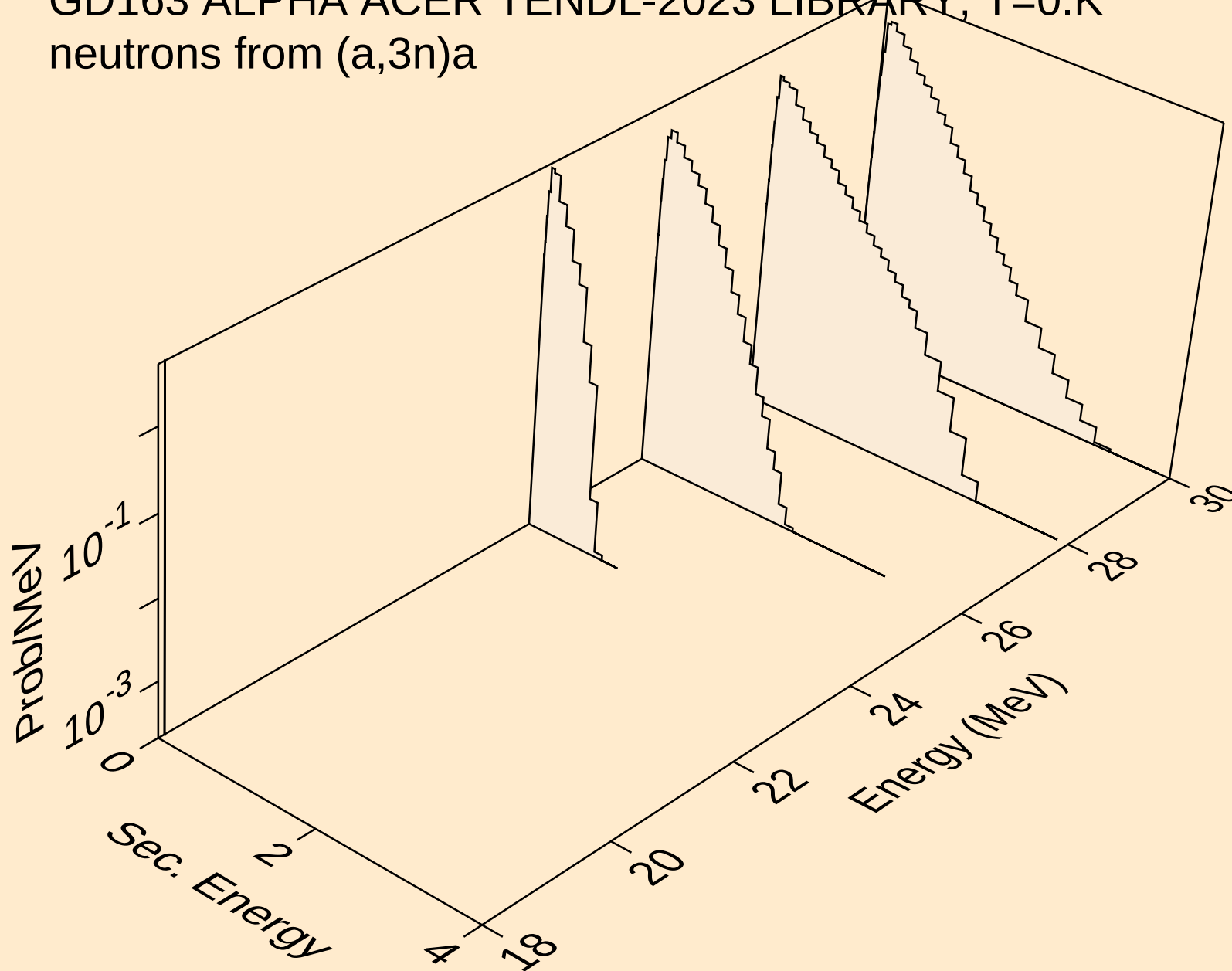




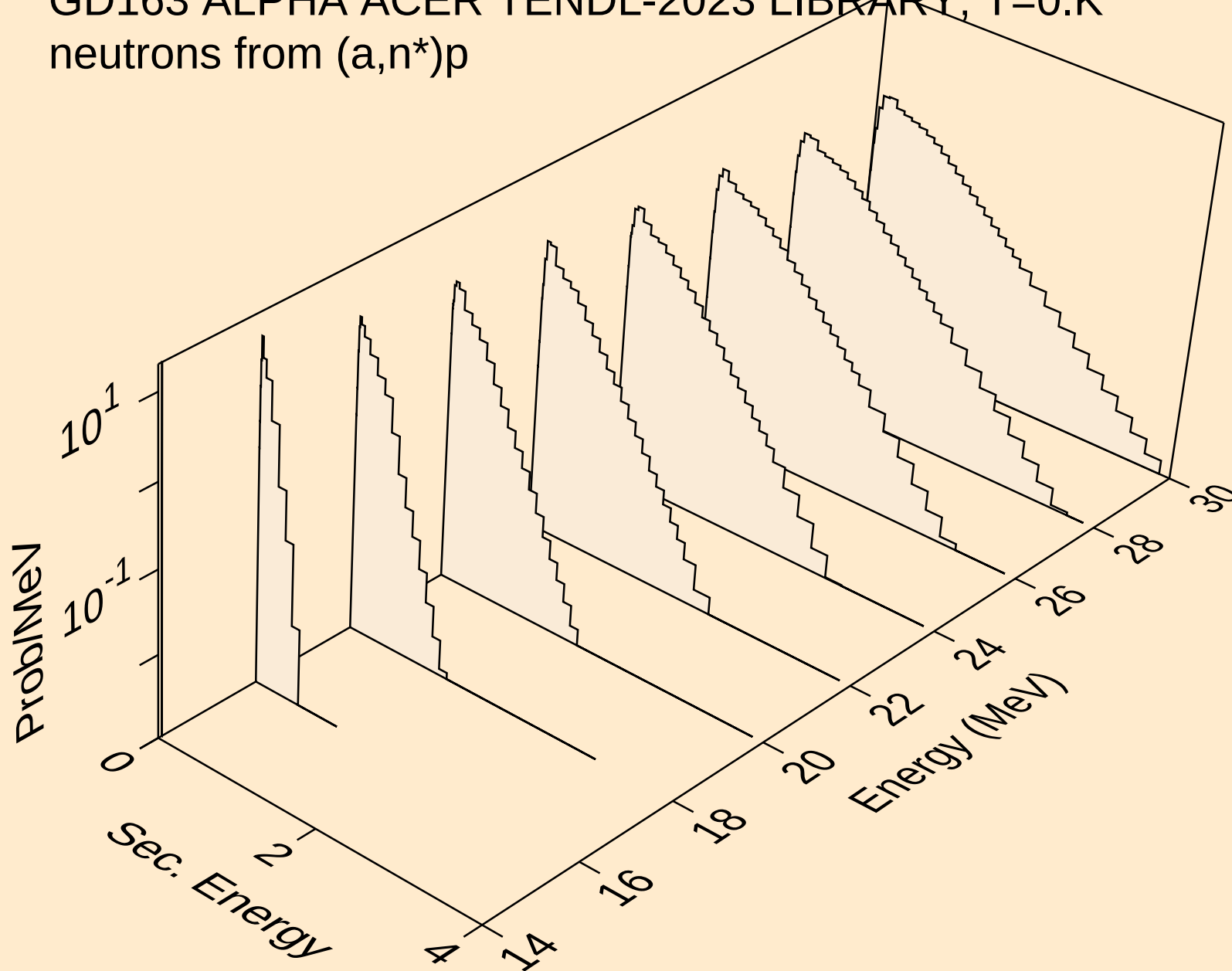
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neutrons from (a,2n)a



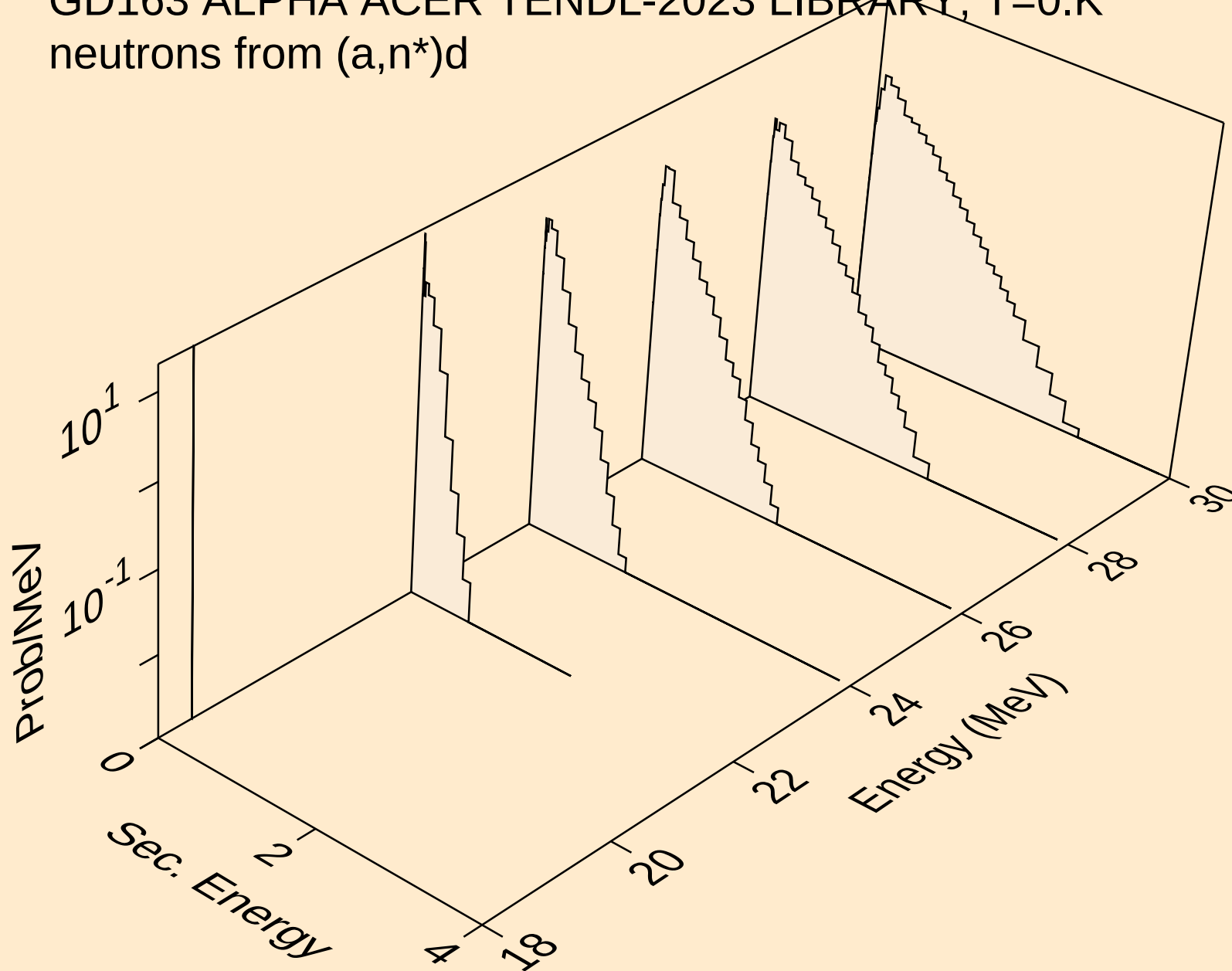
GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,3n)a



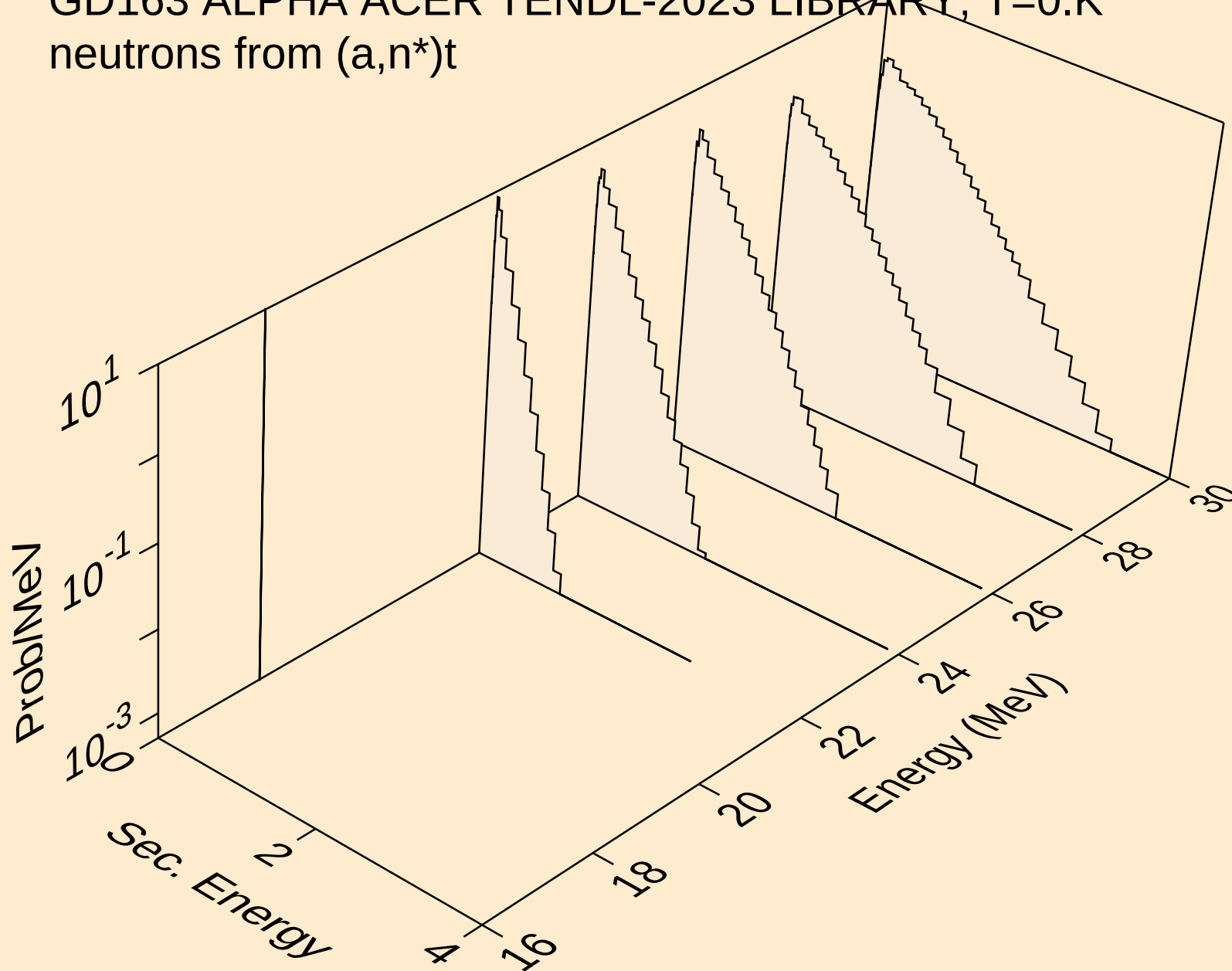
GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)p



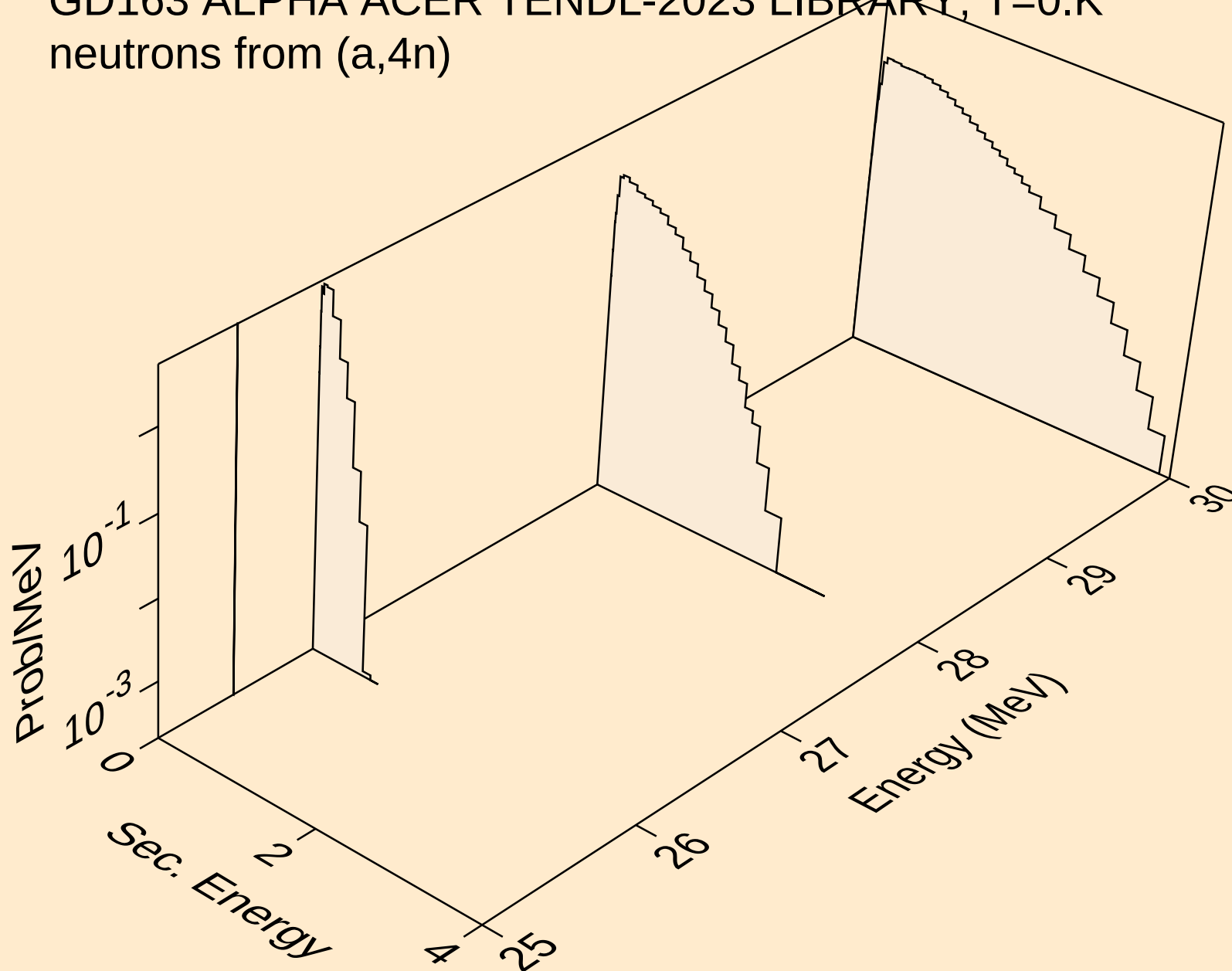
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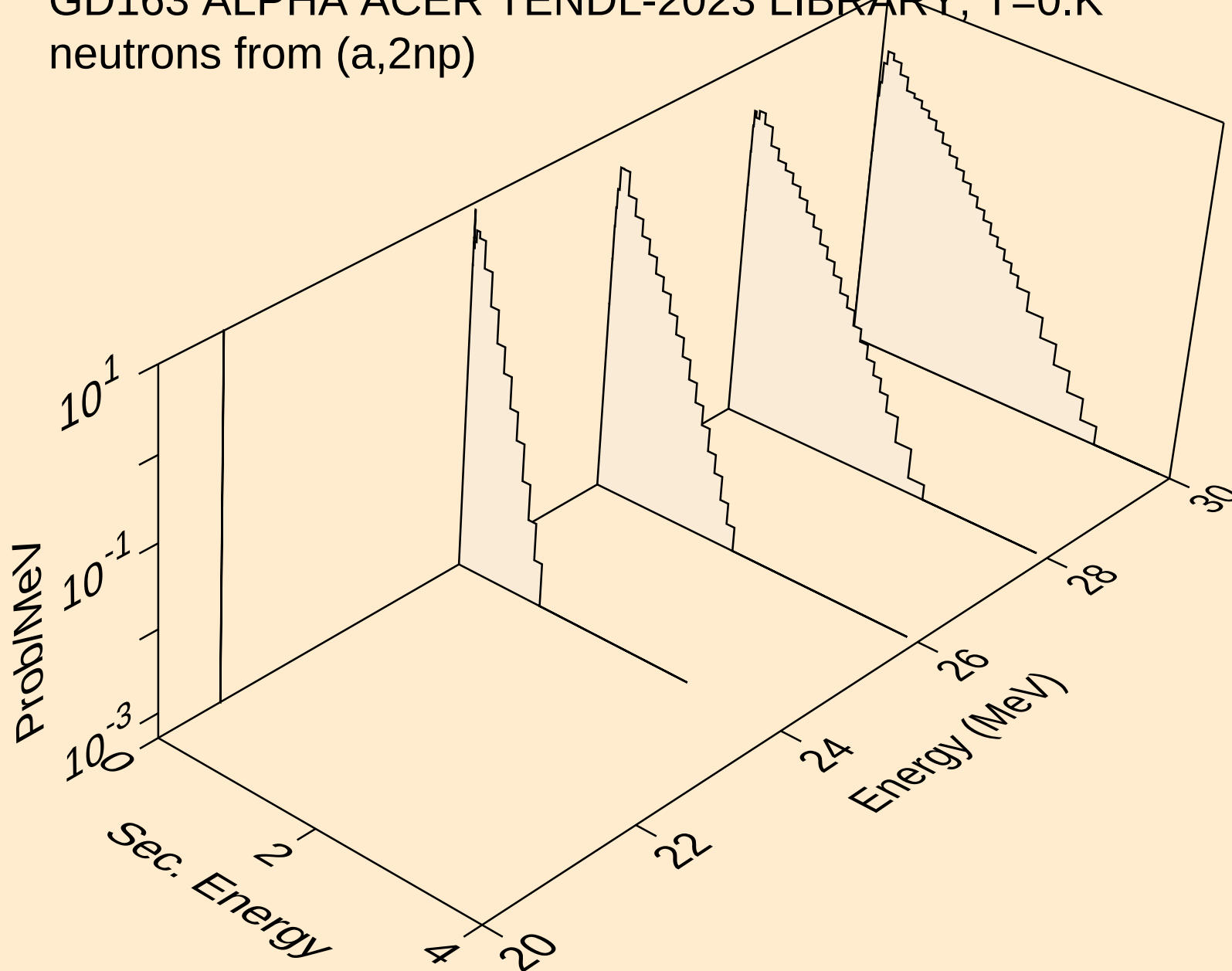
GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)t



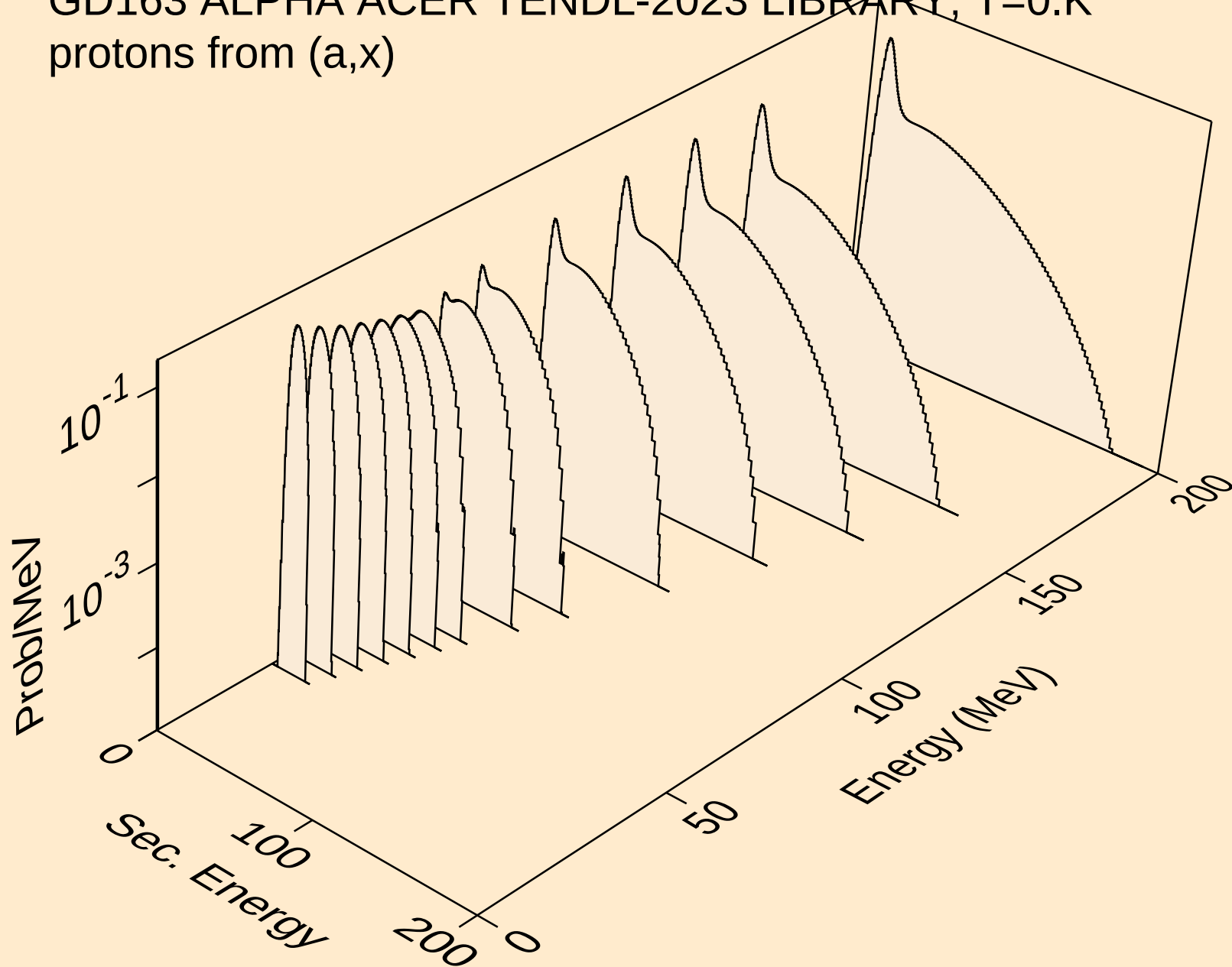
GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,4n)



GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2np)

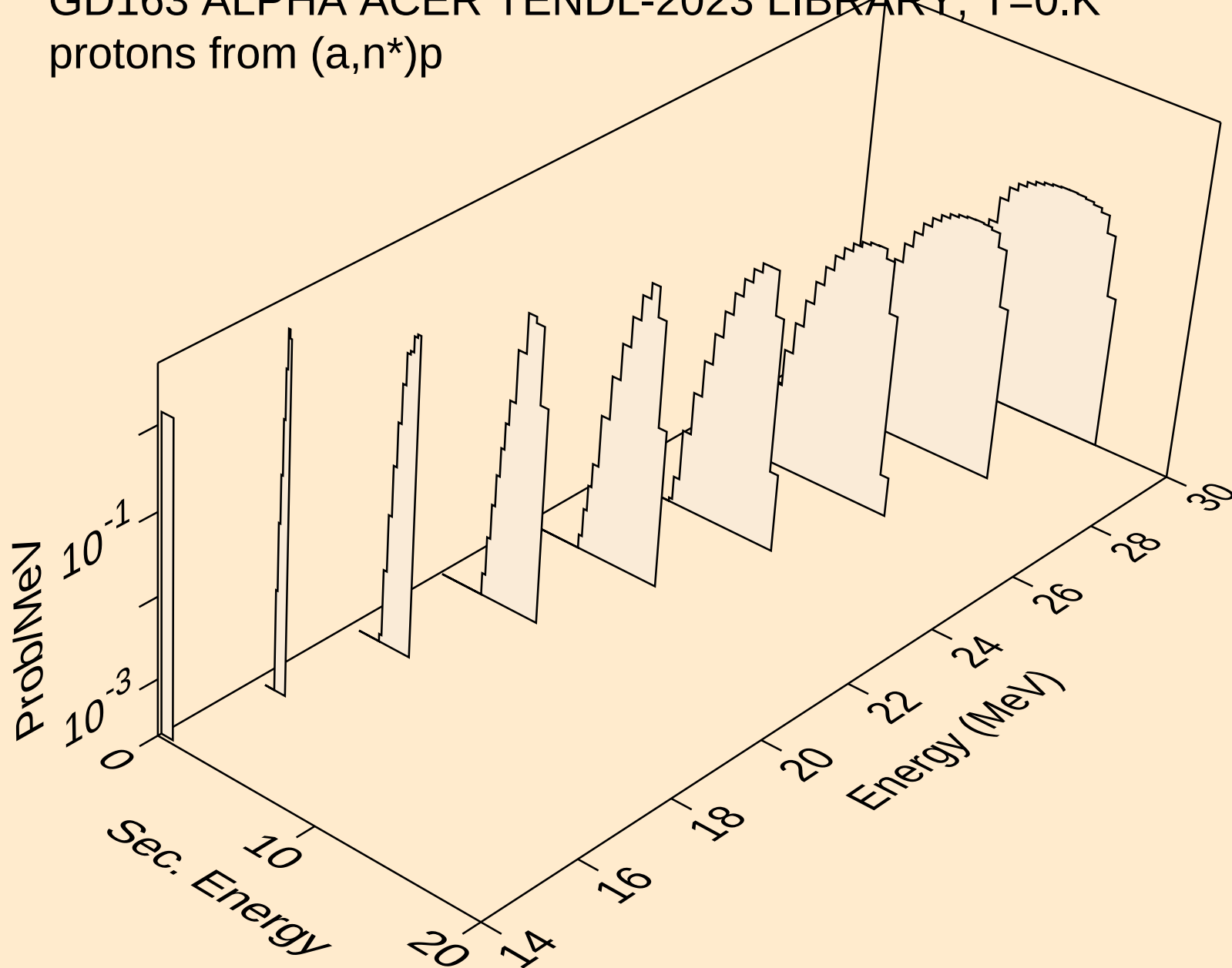


GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,x)

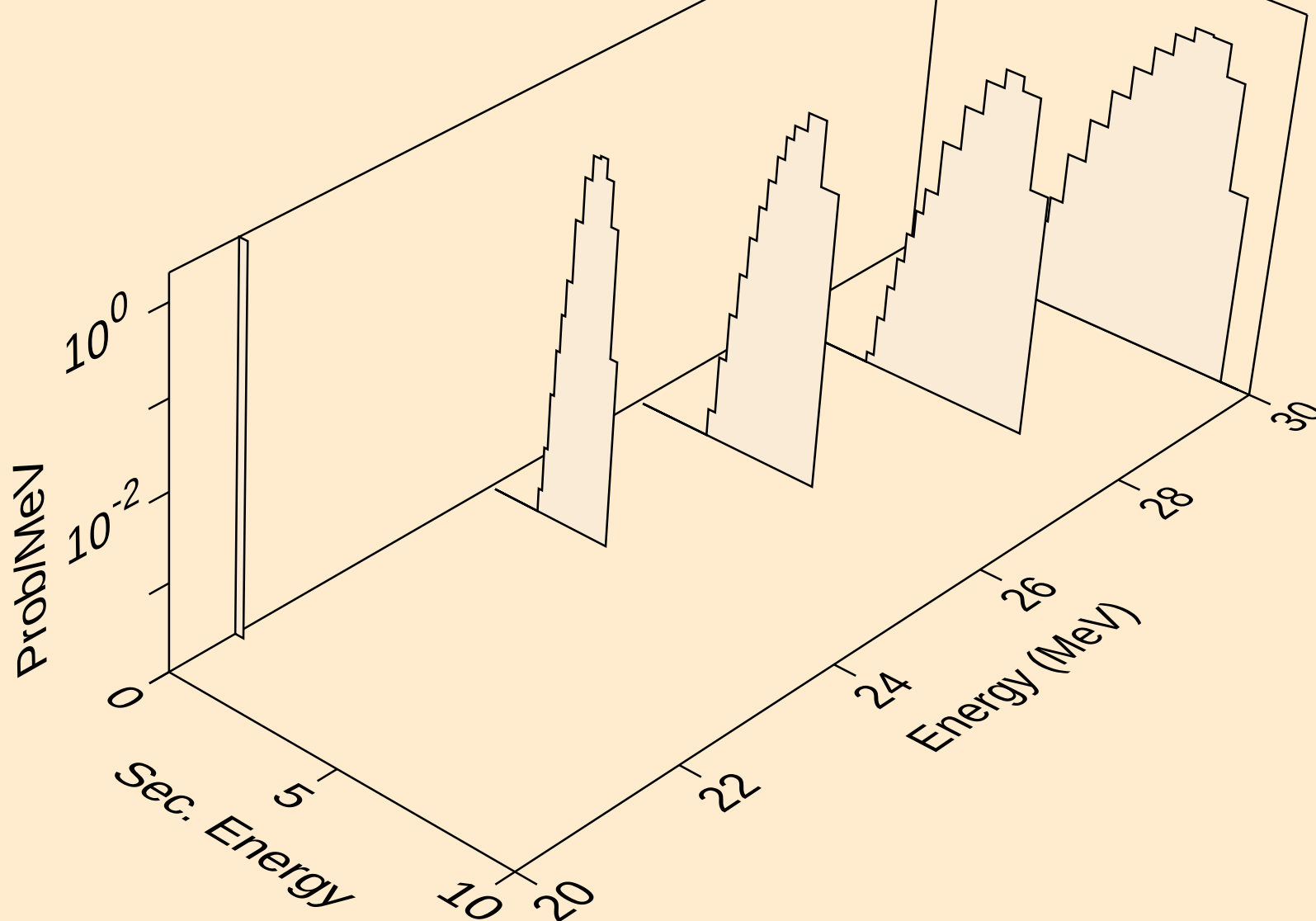




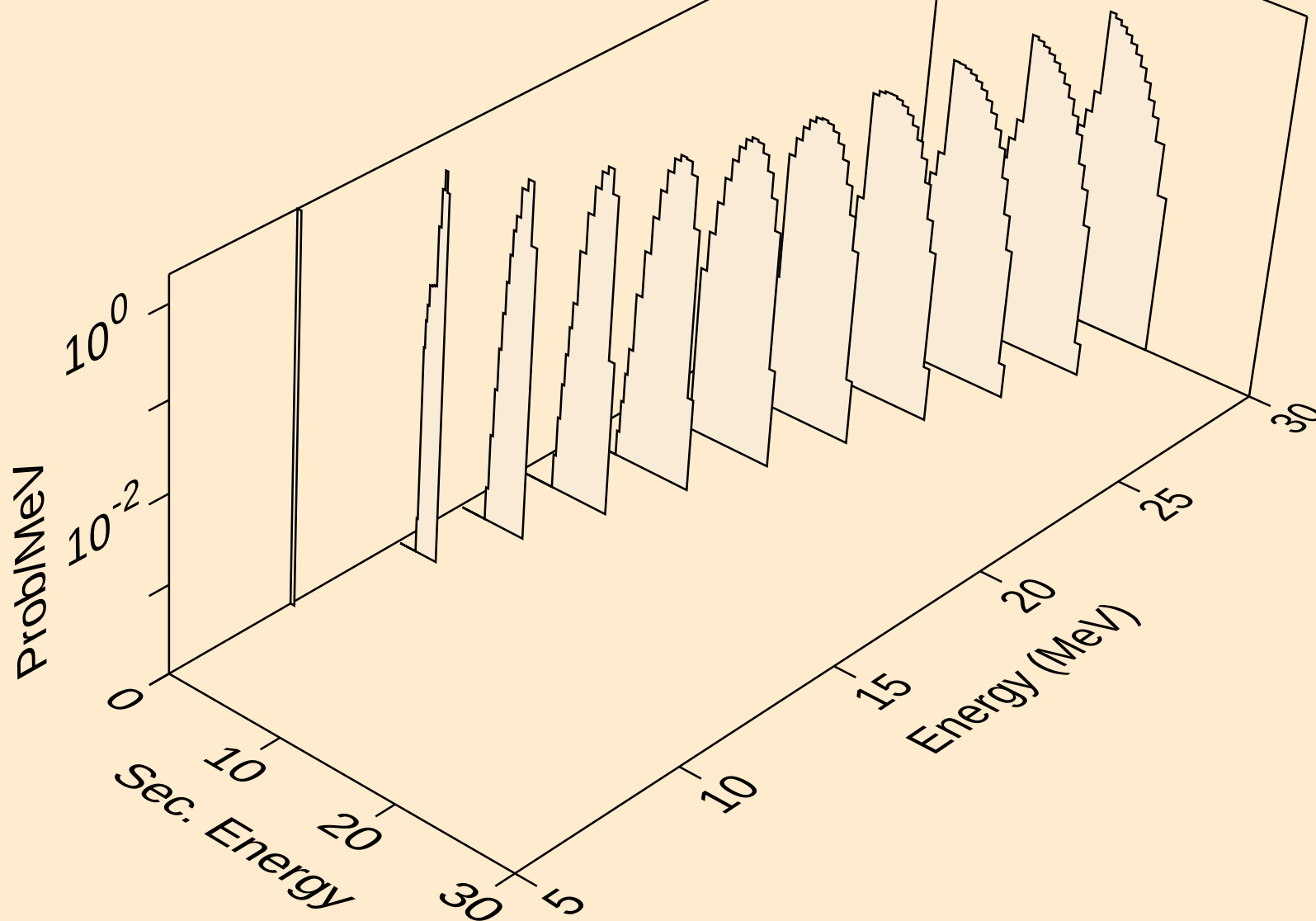
GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,n\*)p



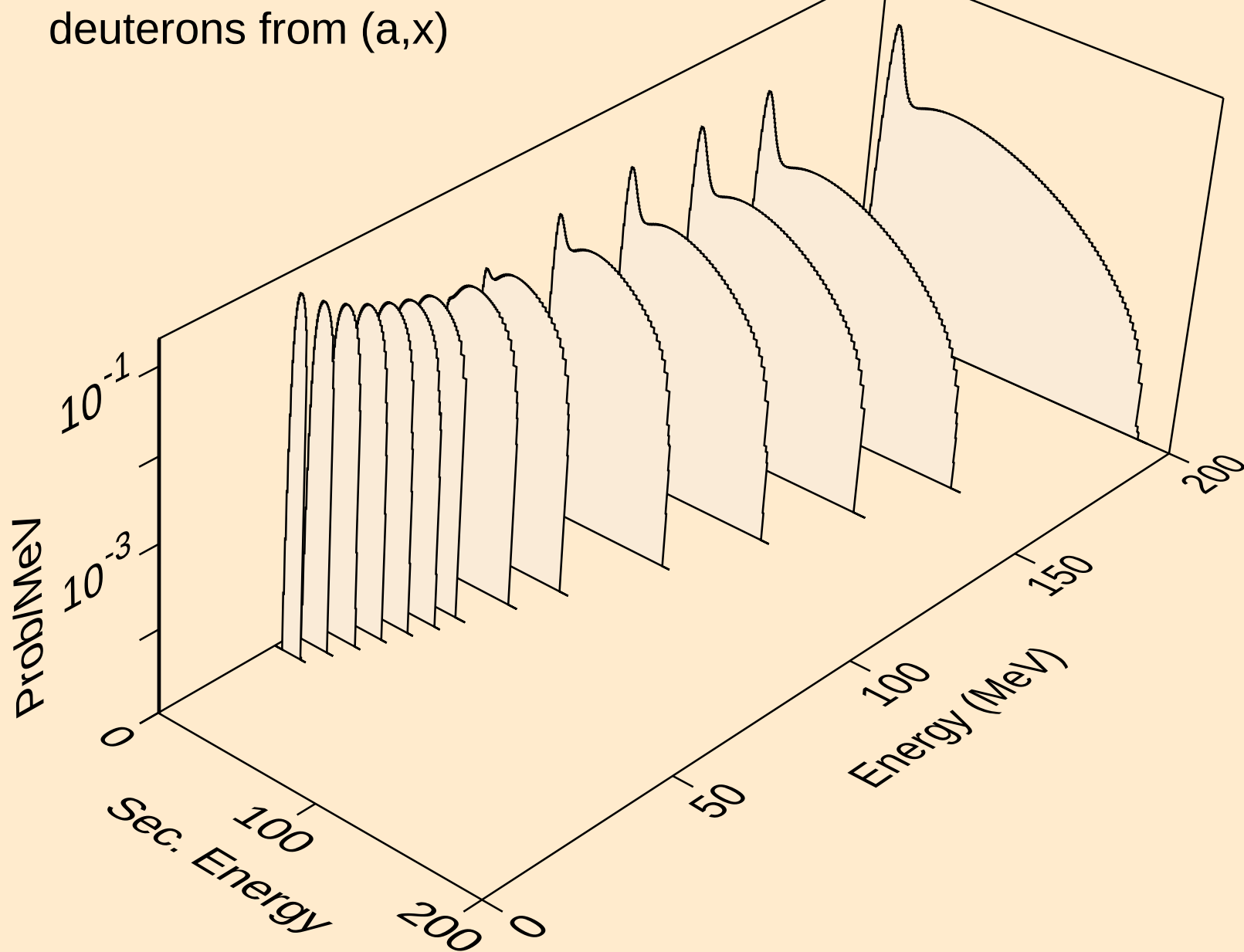
GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,2np)



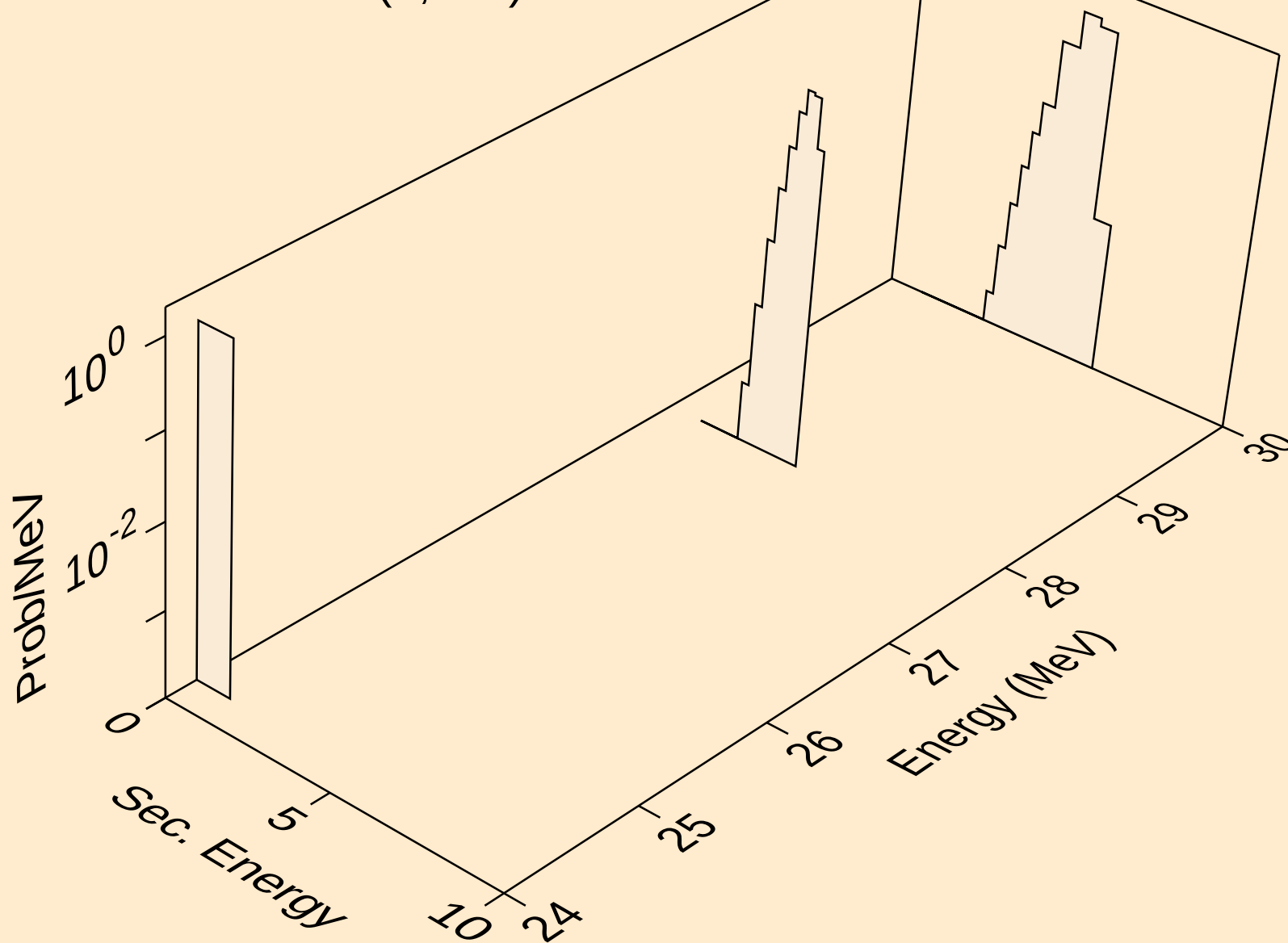
GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,p)



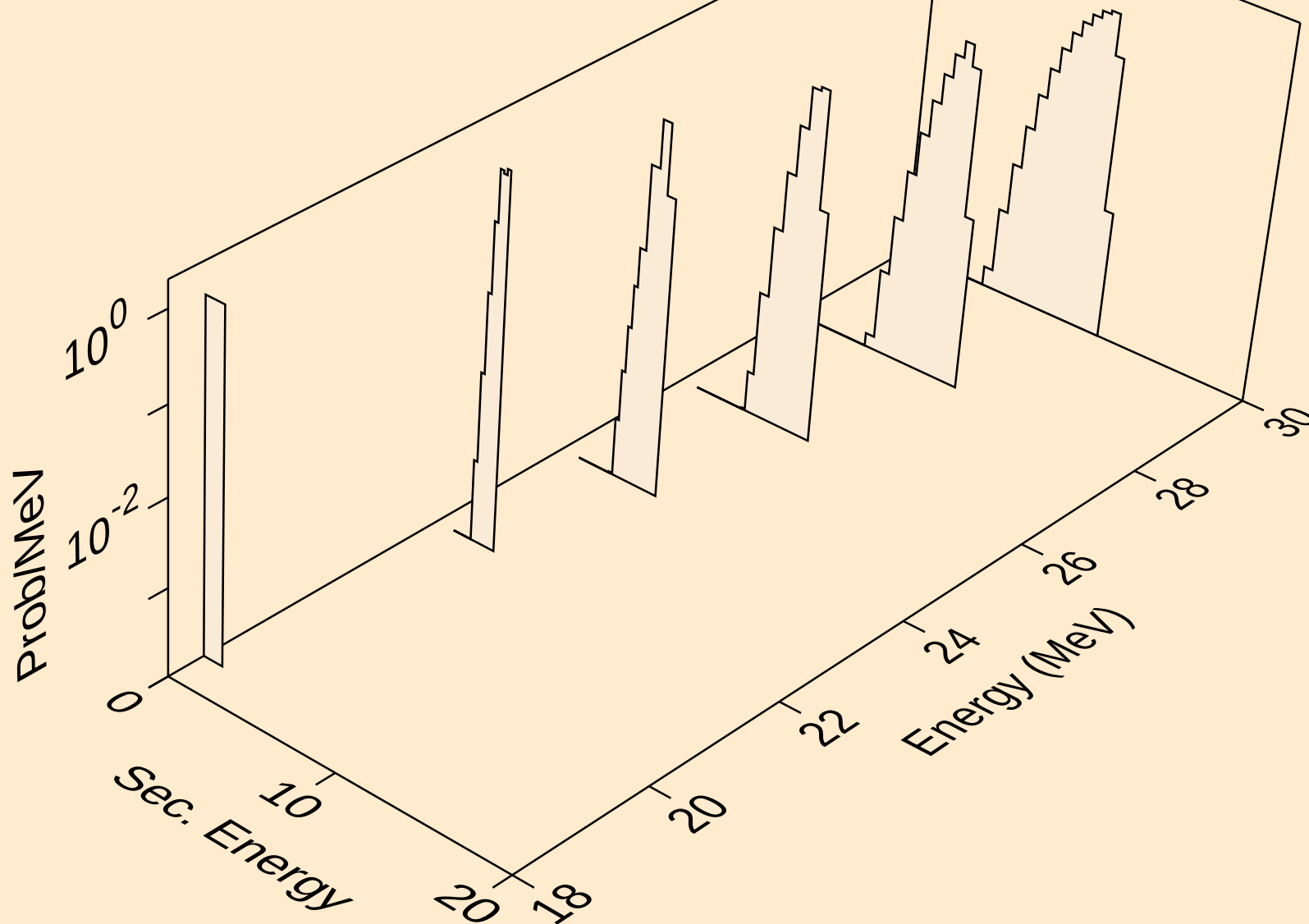
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deuterons from (a,x)



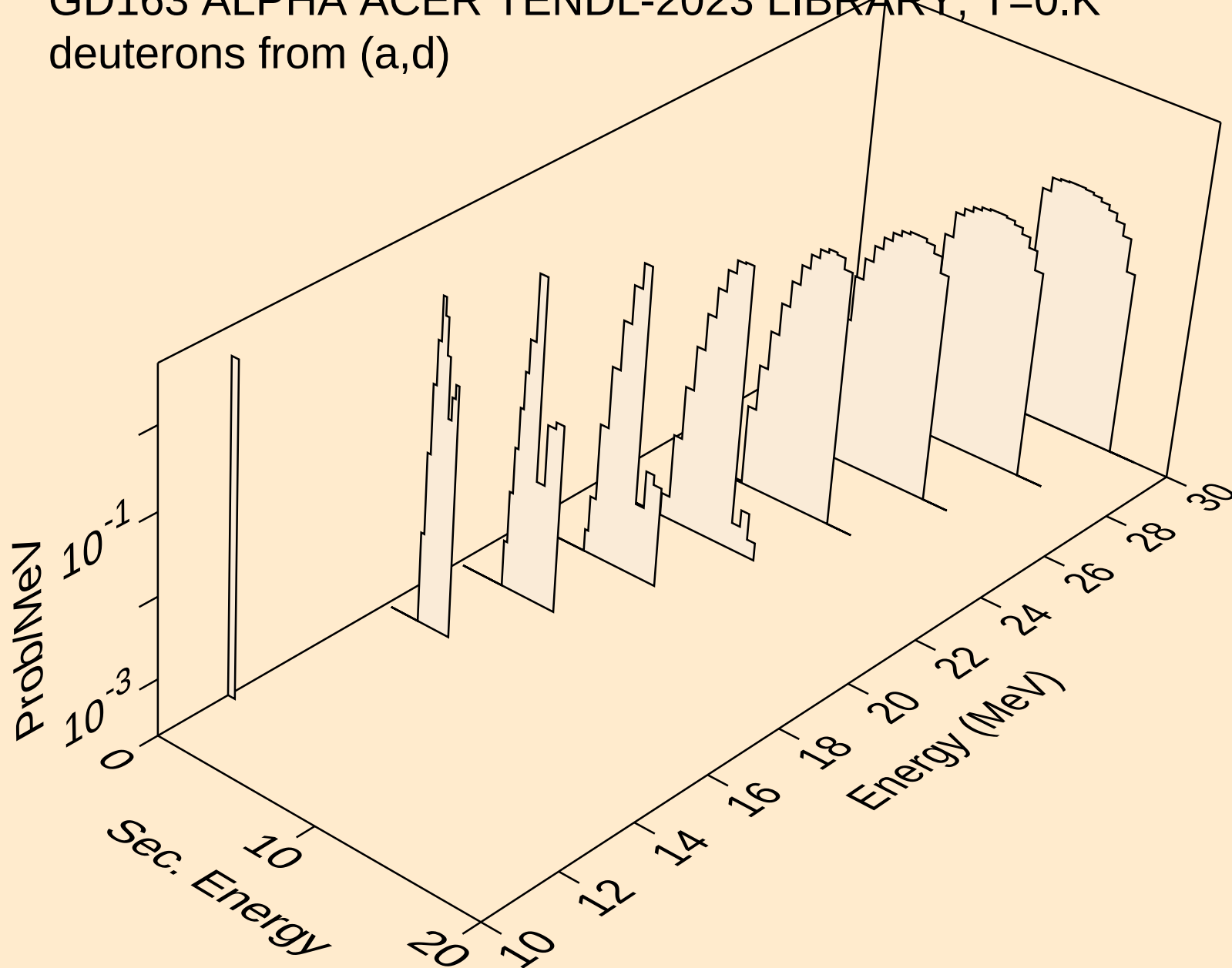
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deuterons from (a,2nd)



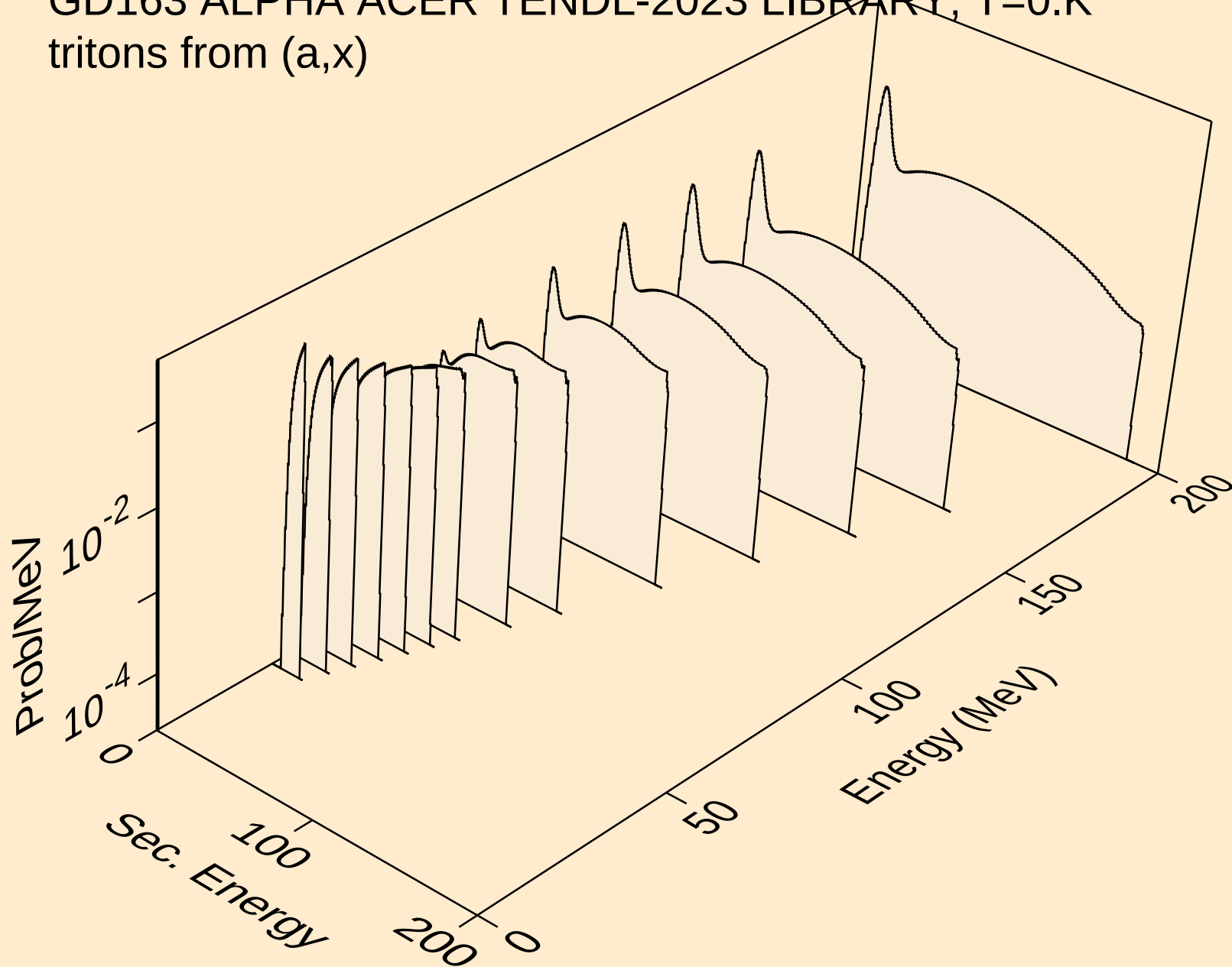
GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,n\*)d



GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,d)

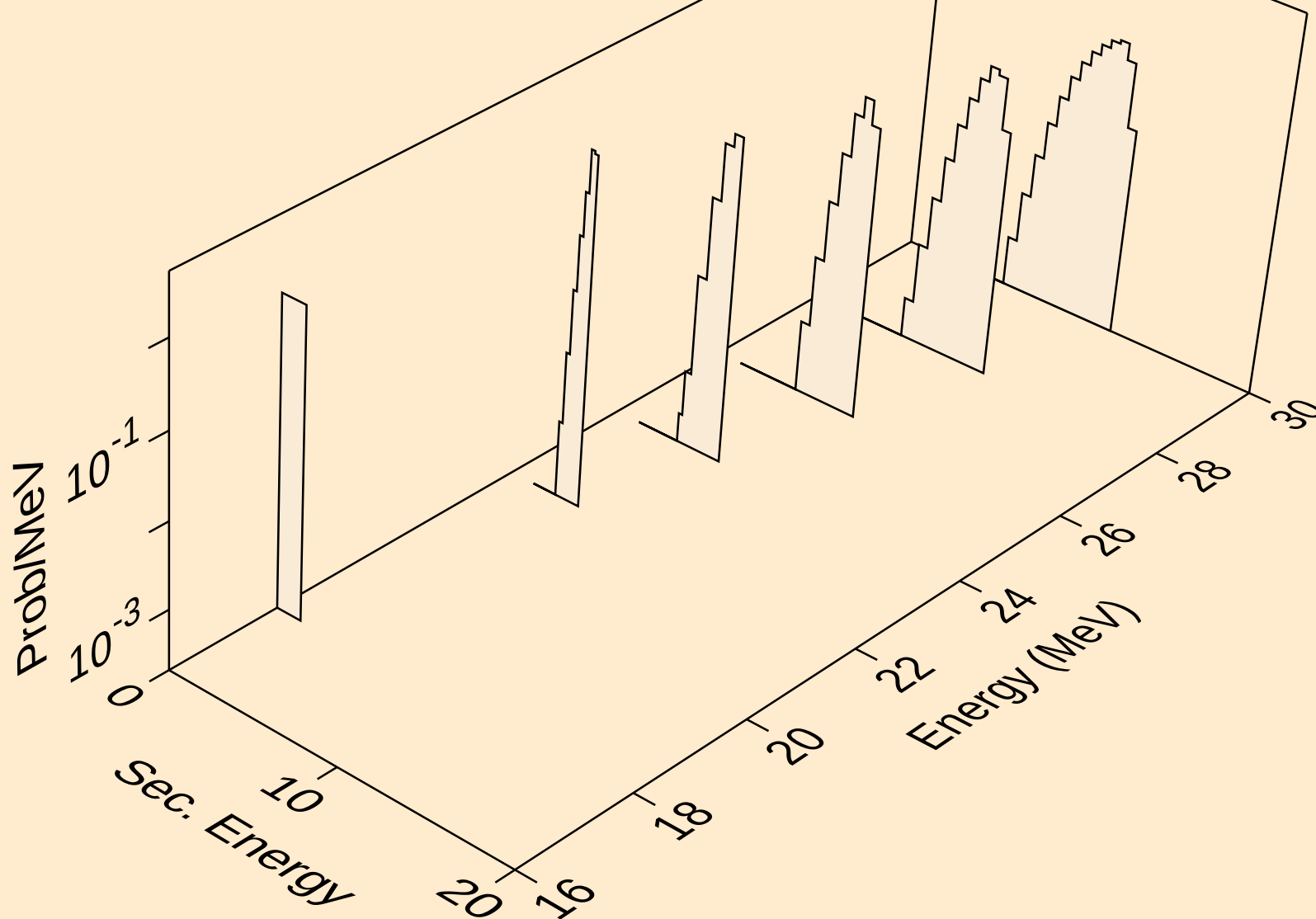


GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,x)

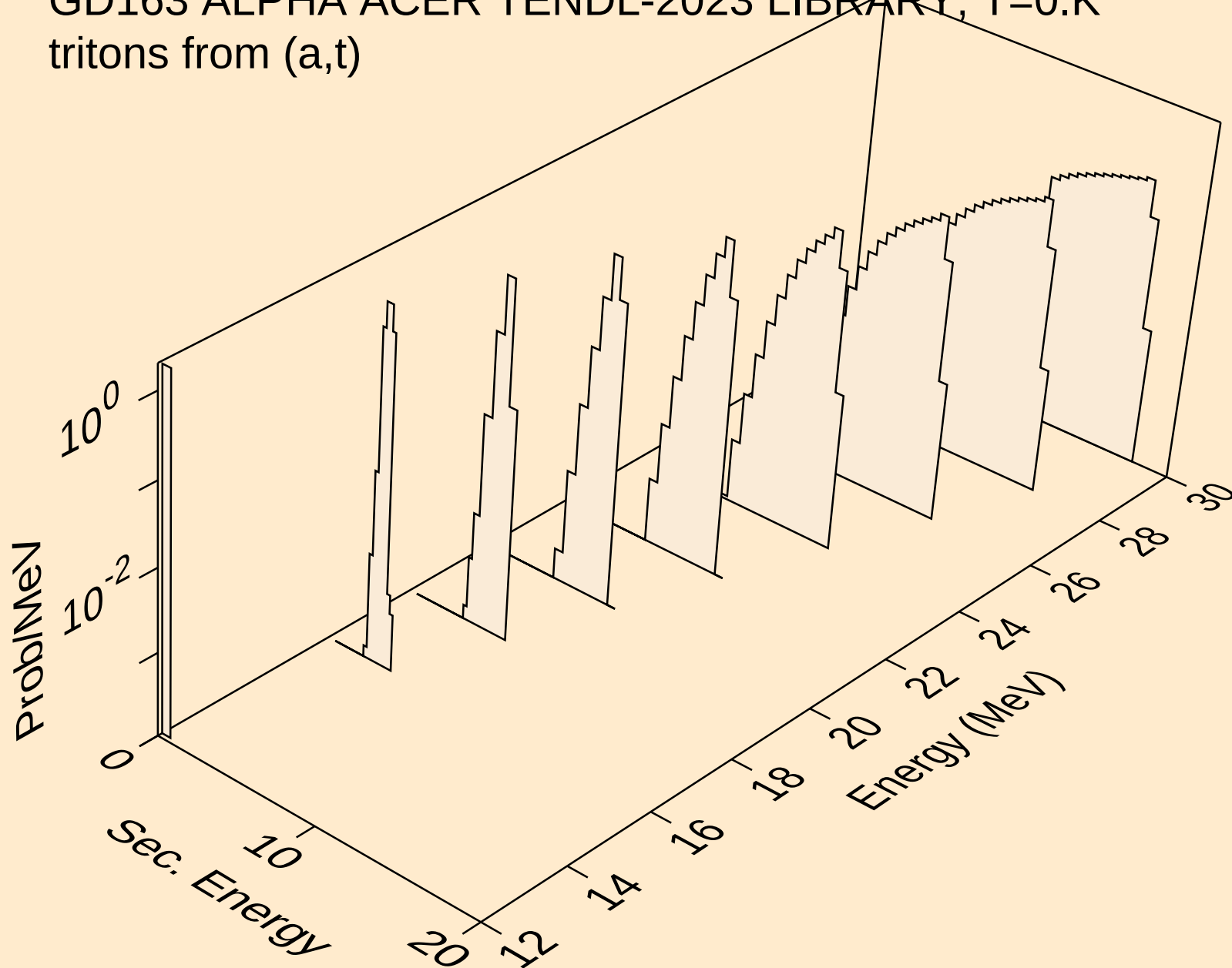




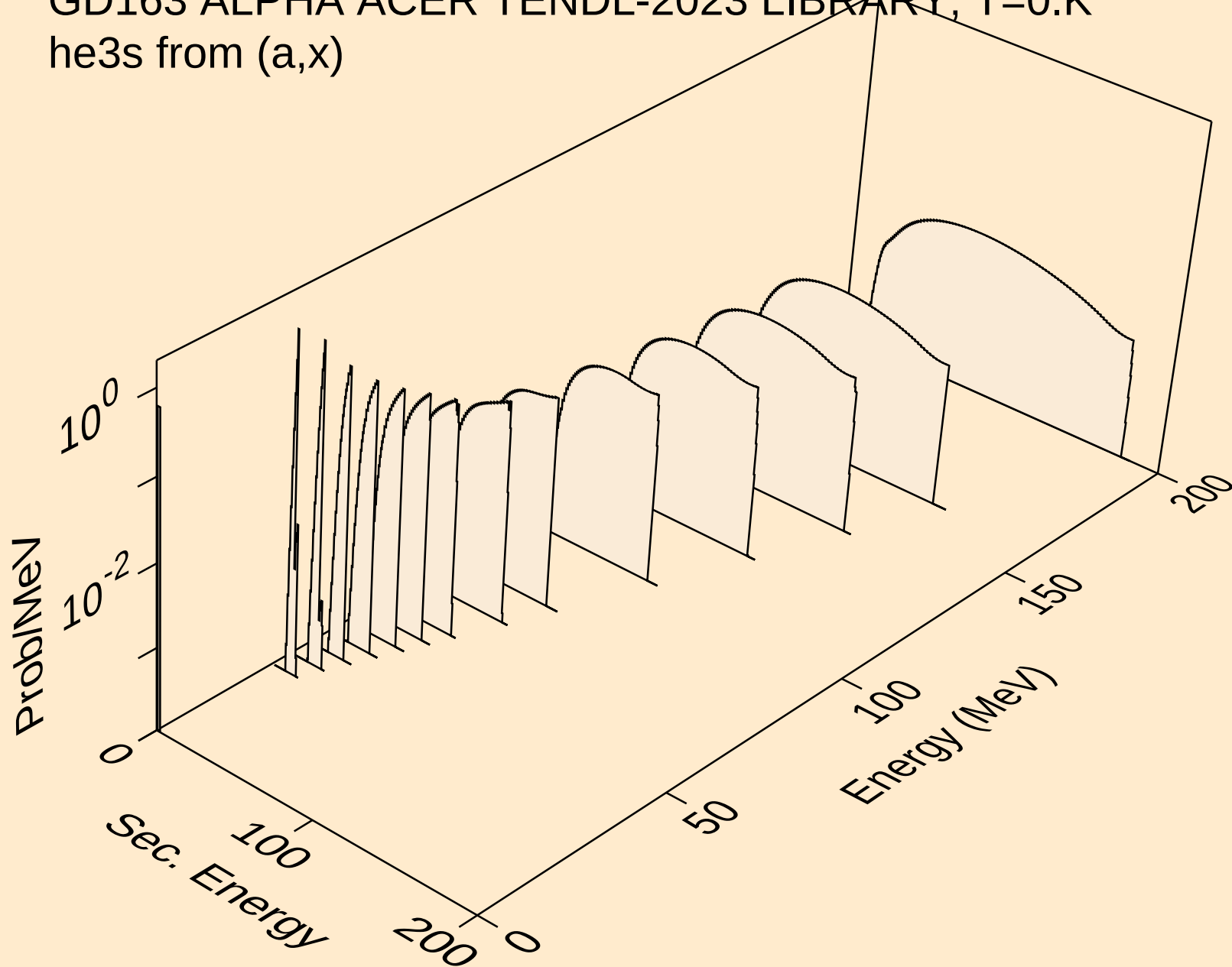
GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,n\*)t



GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,t)



GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,x)



GD163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,he3)

