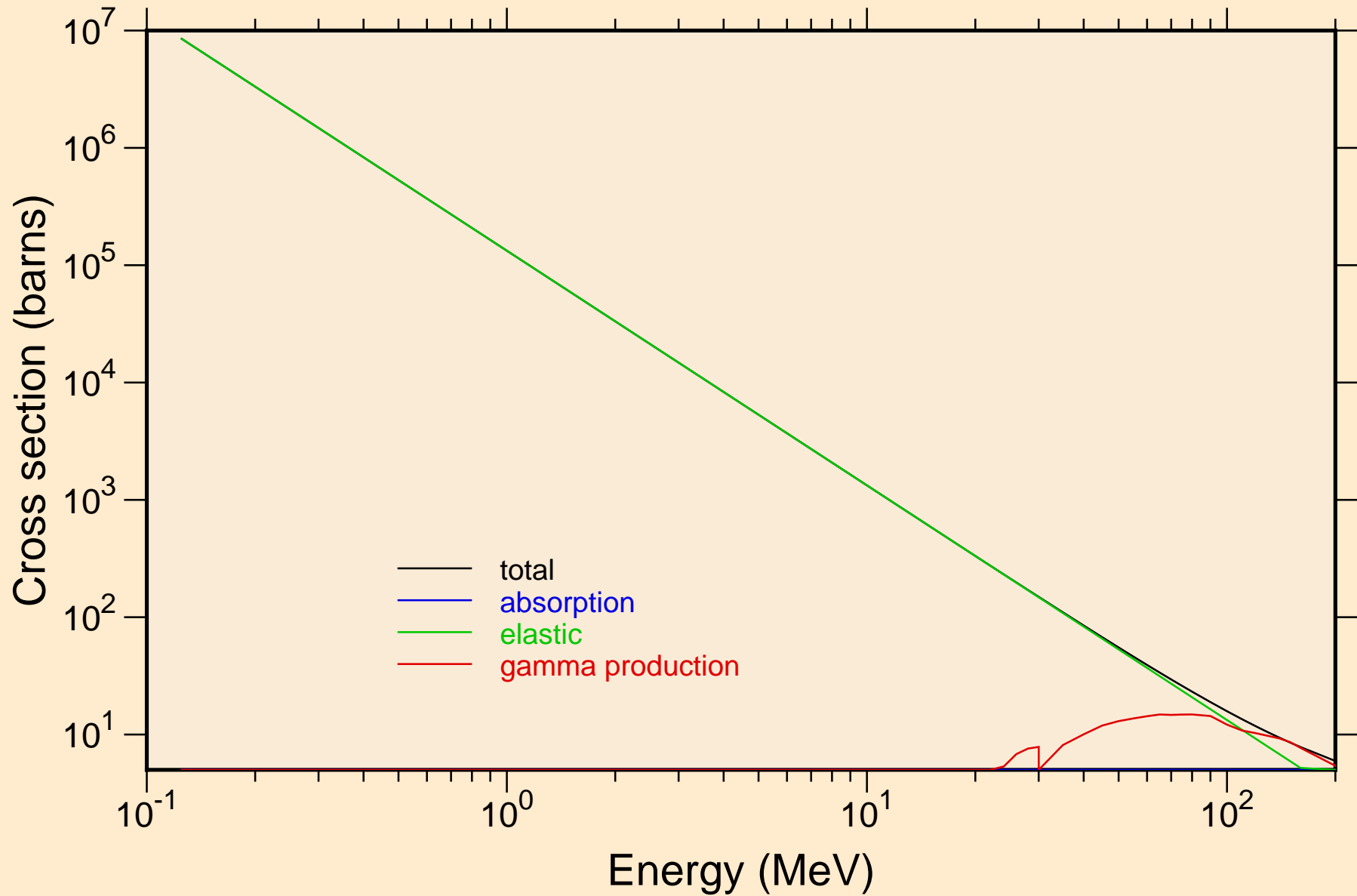


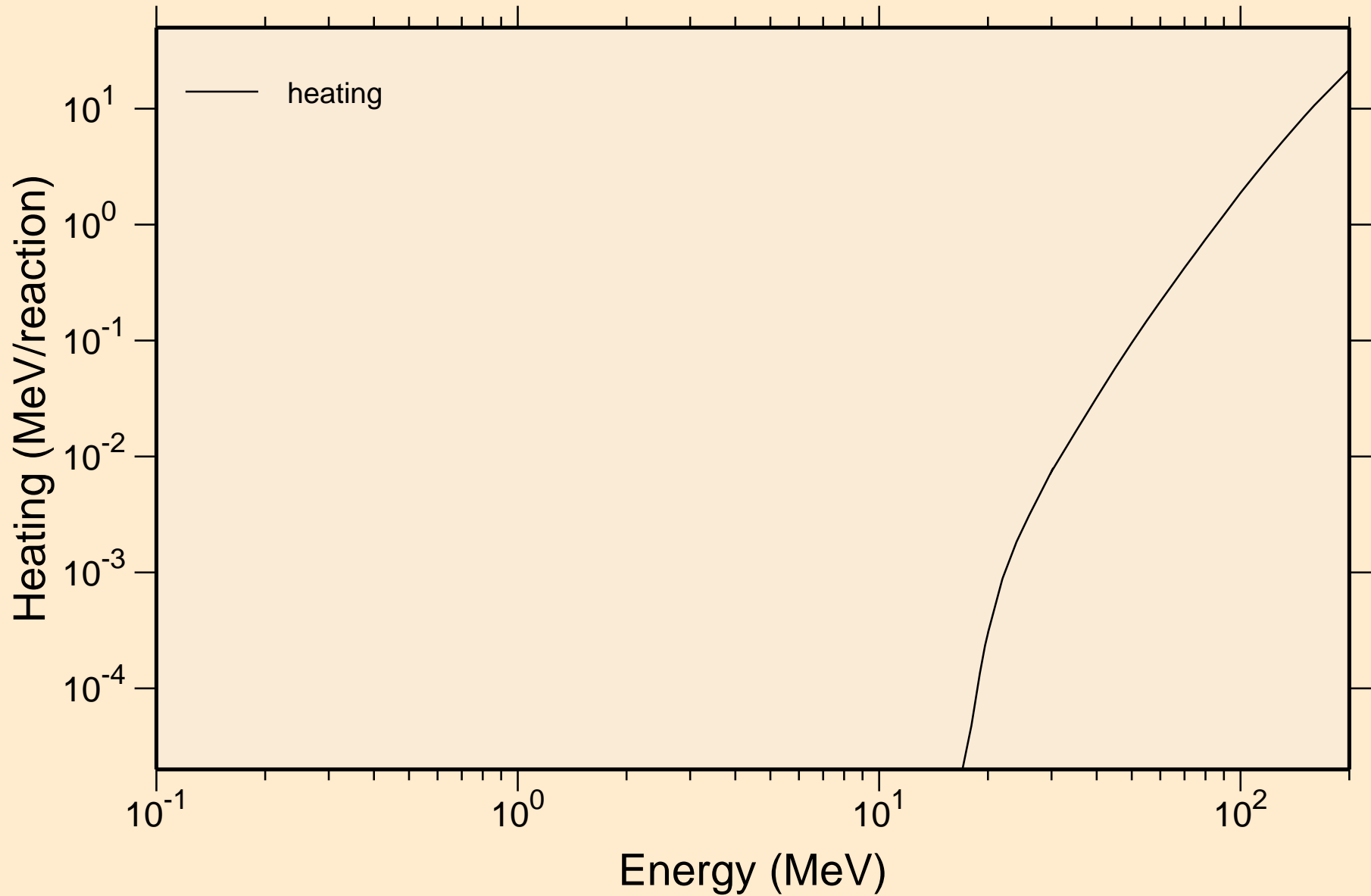
# HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



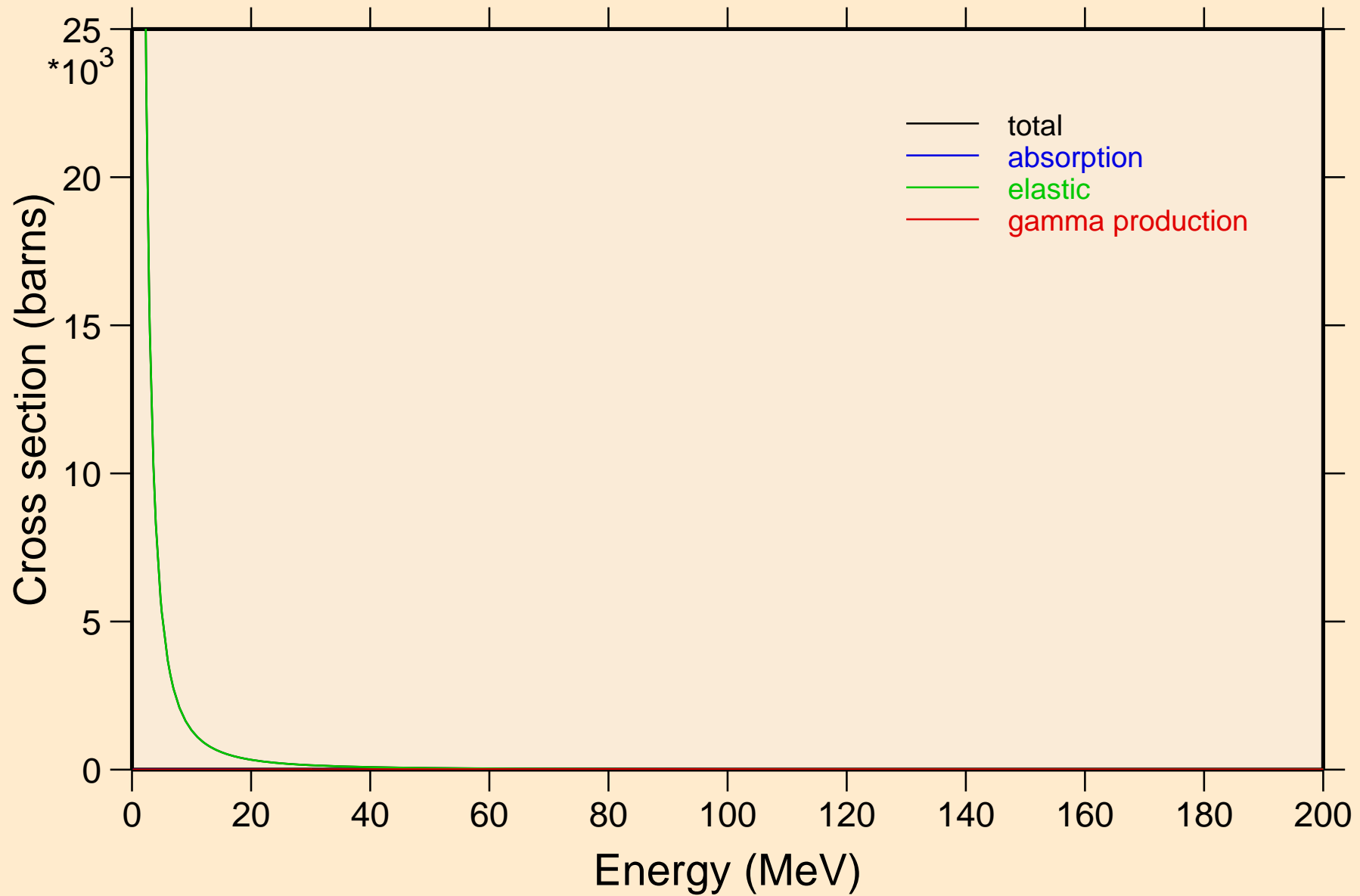
# HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Heating



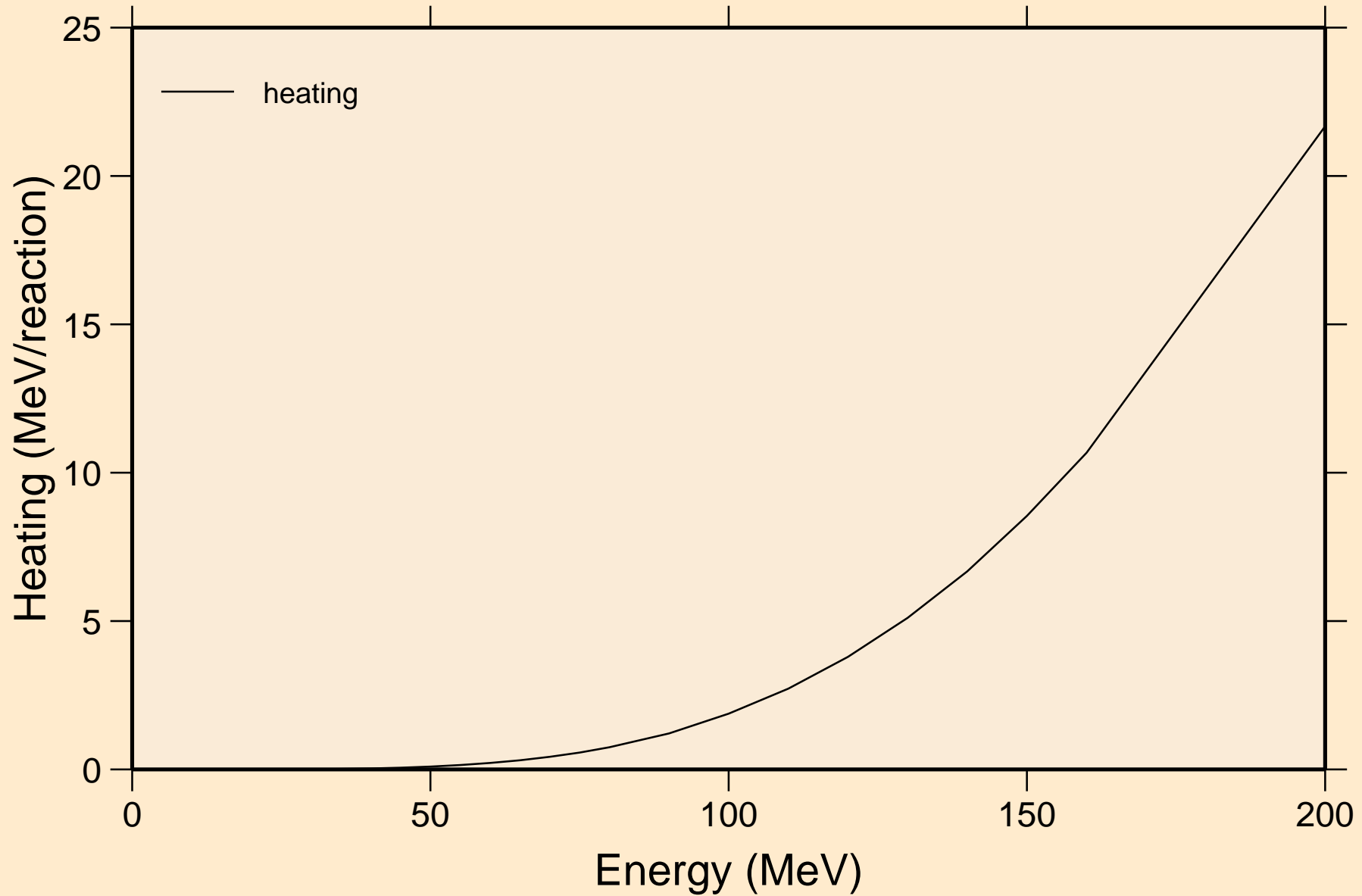
# HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

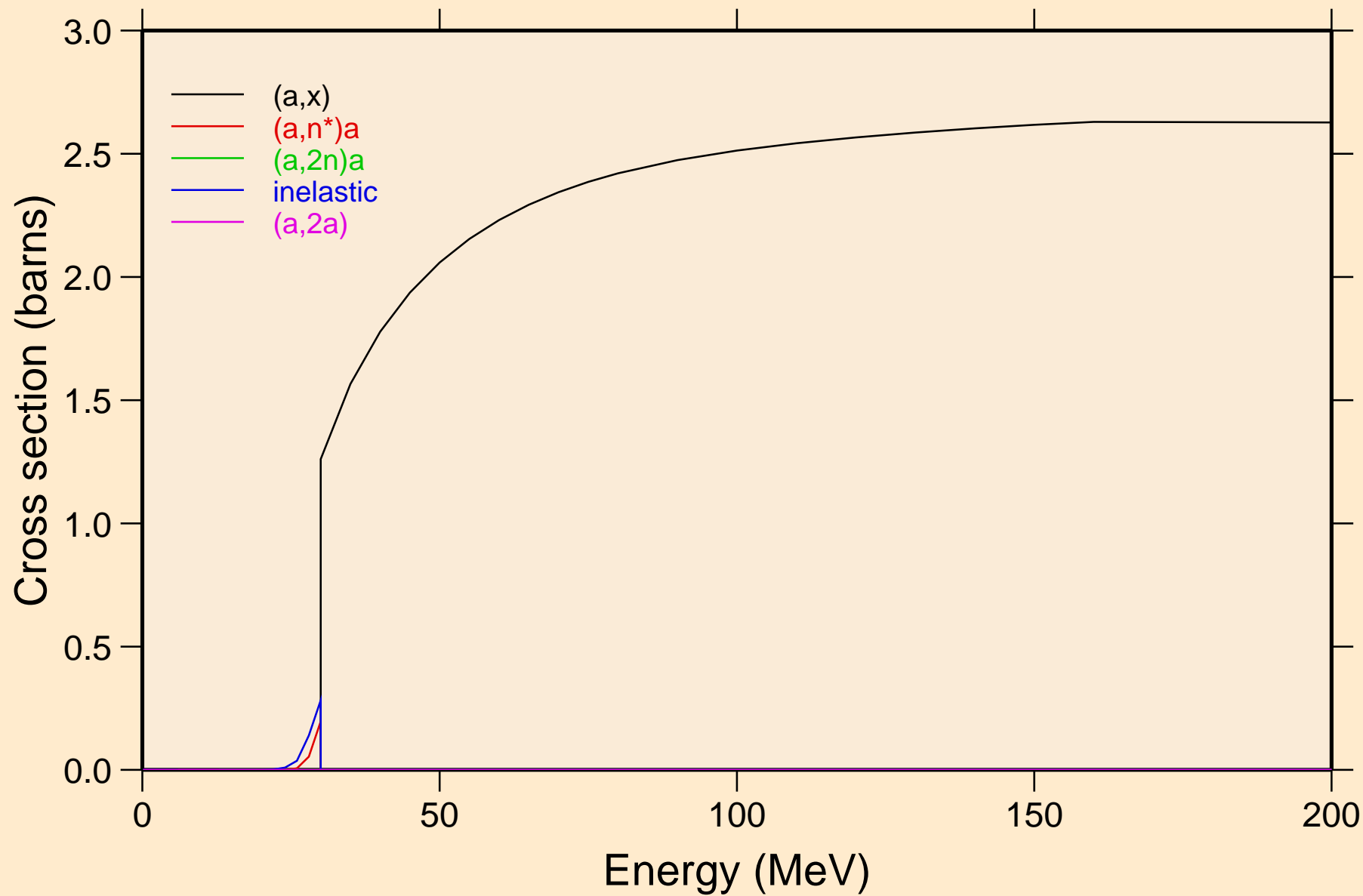


HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Heating

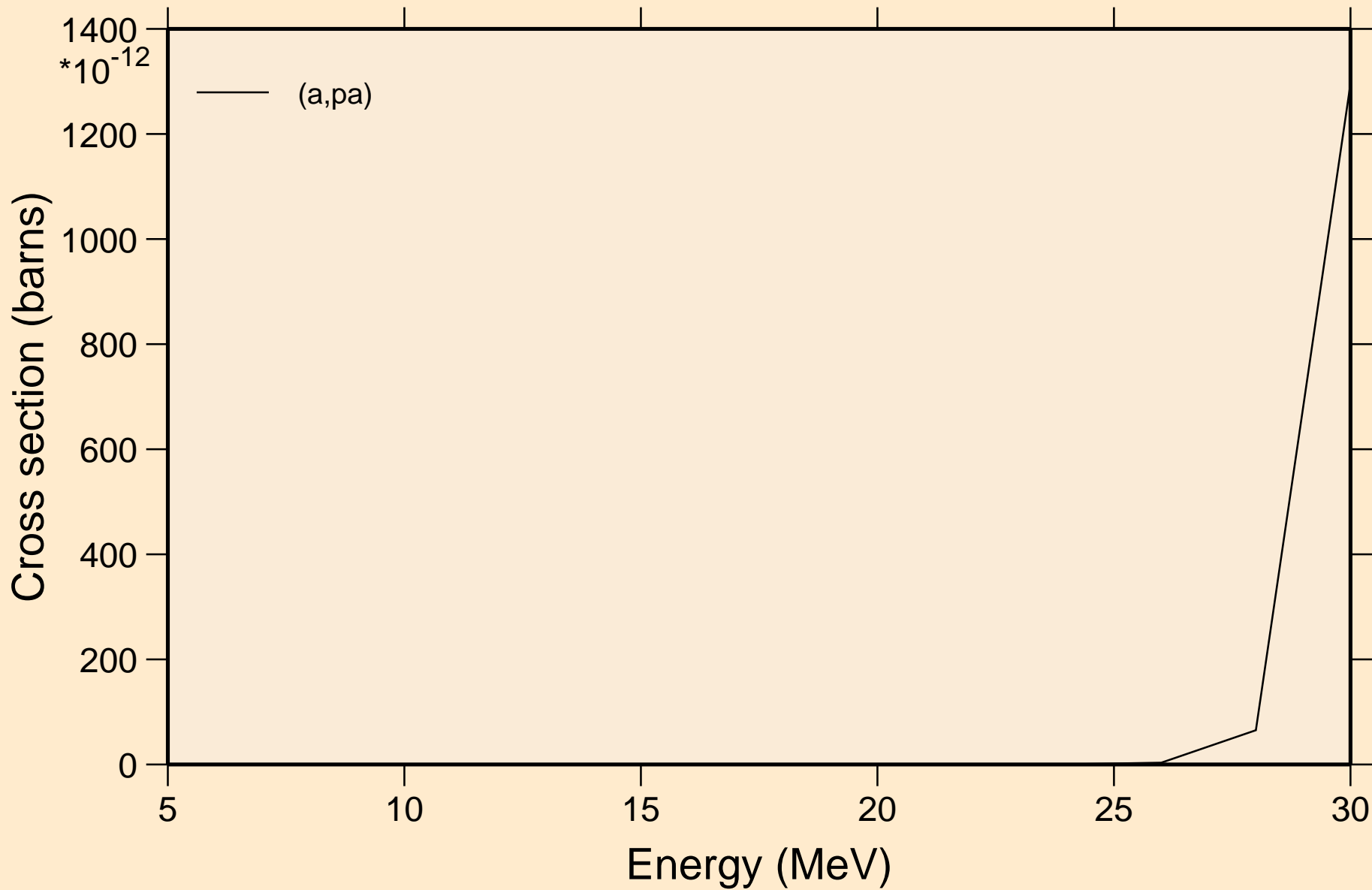


HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

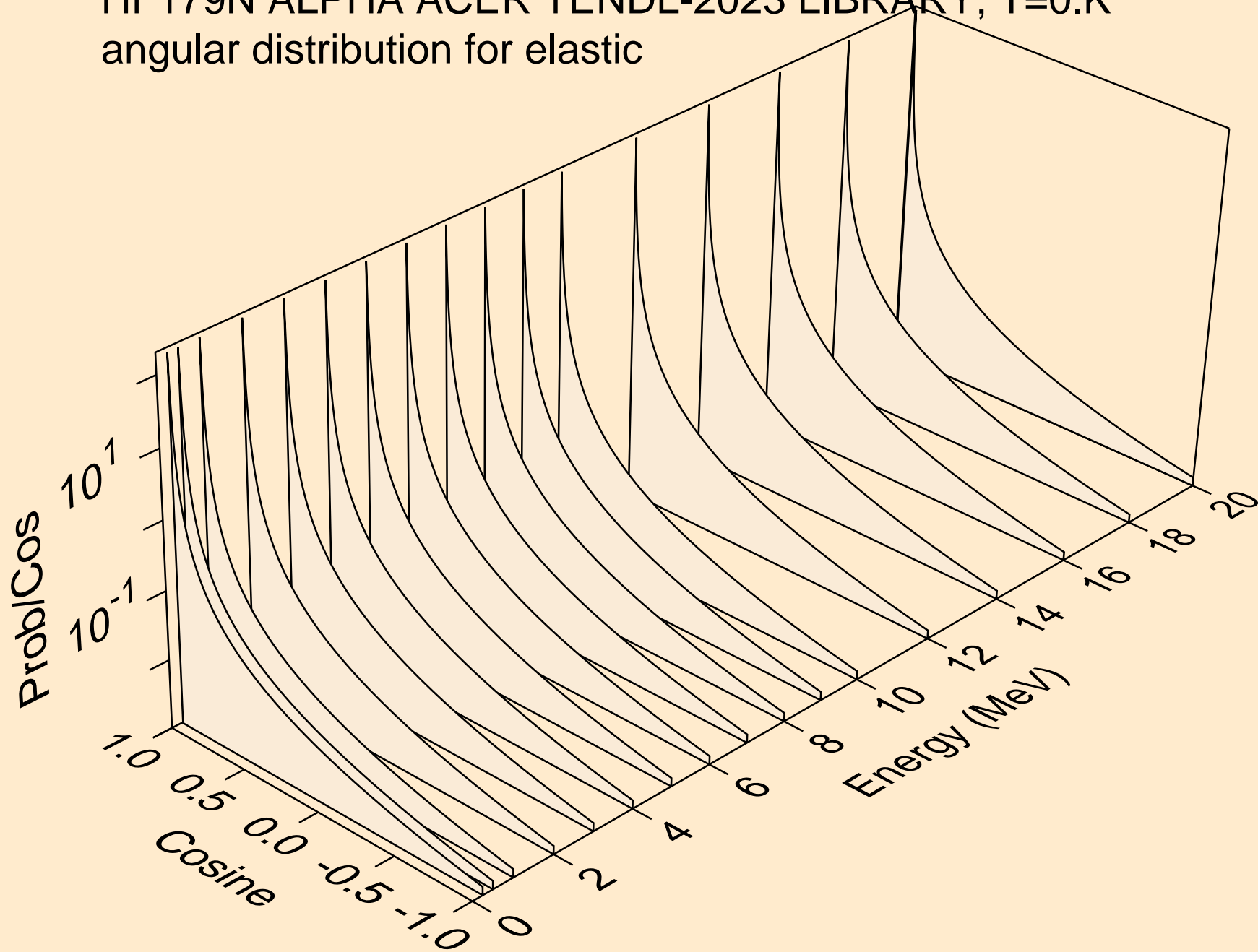


# HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K

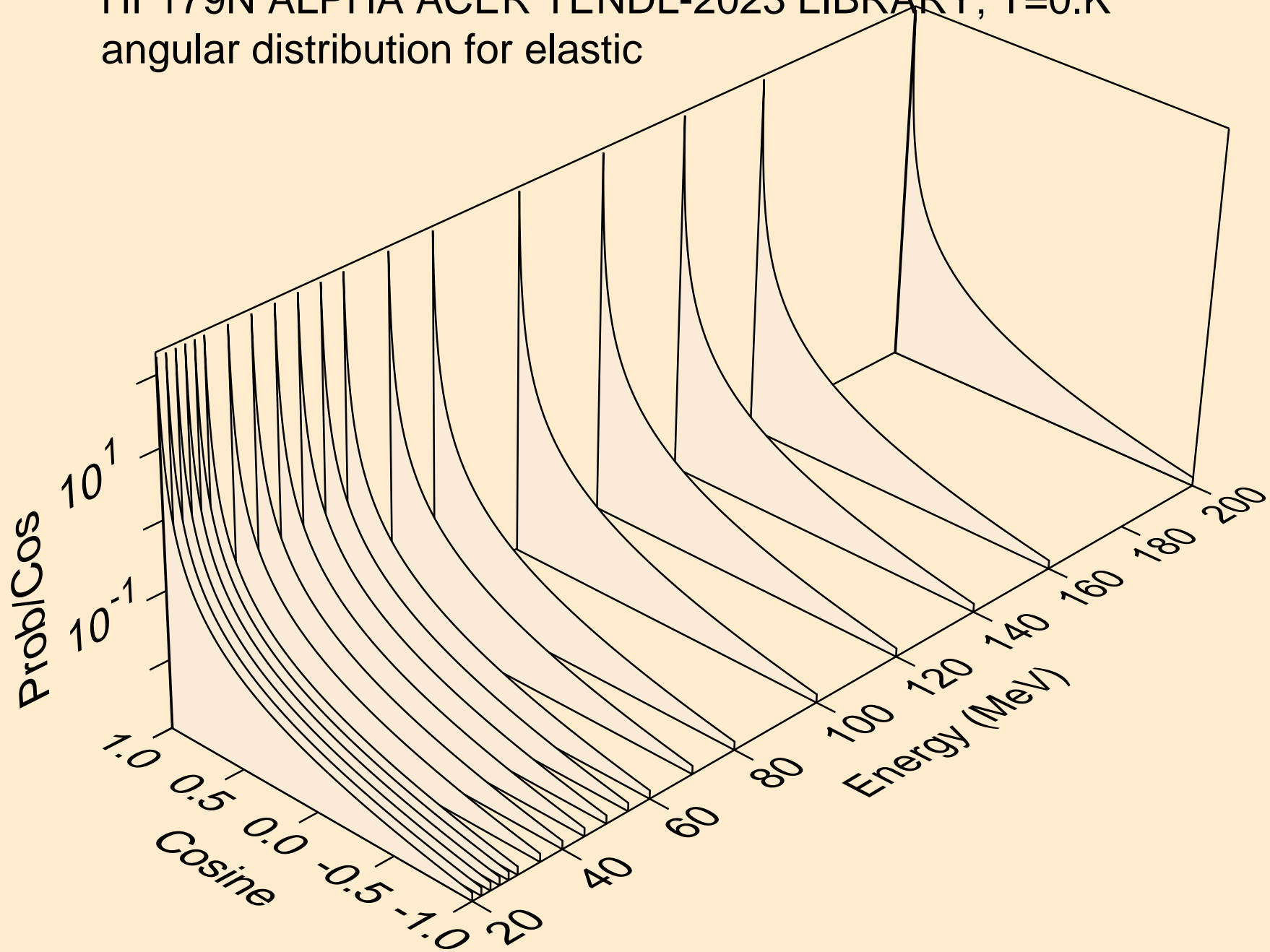
## Threshold reactions



HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

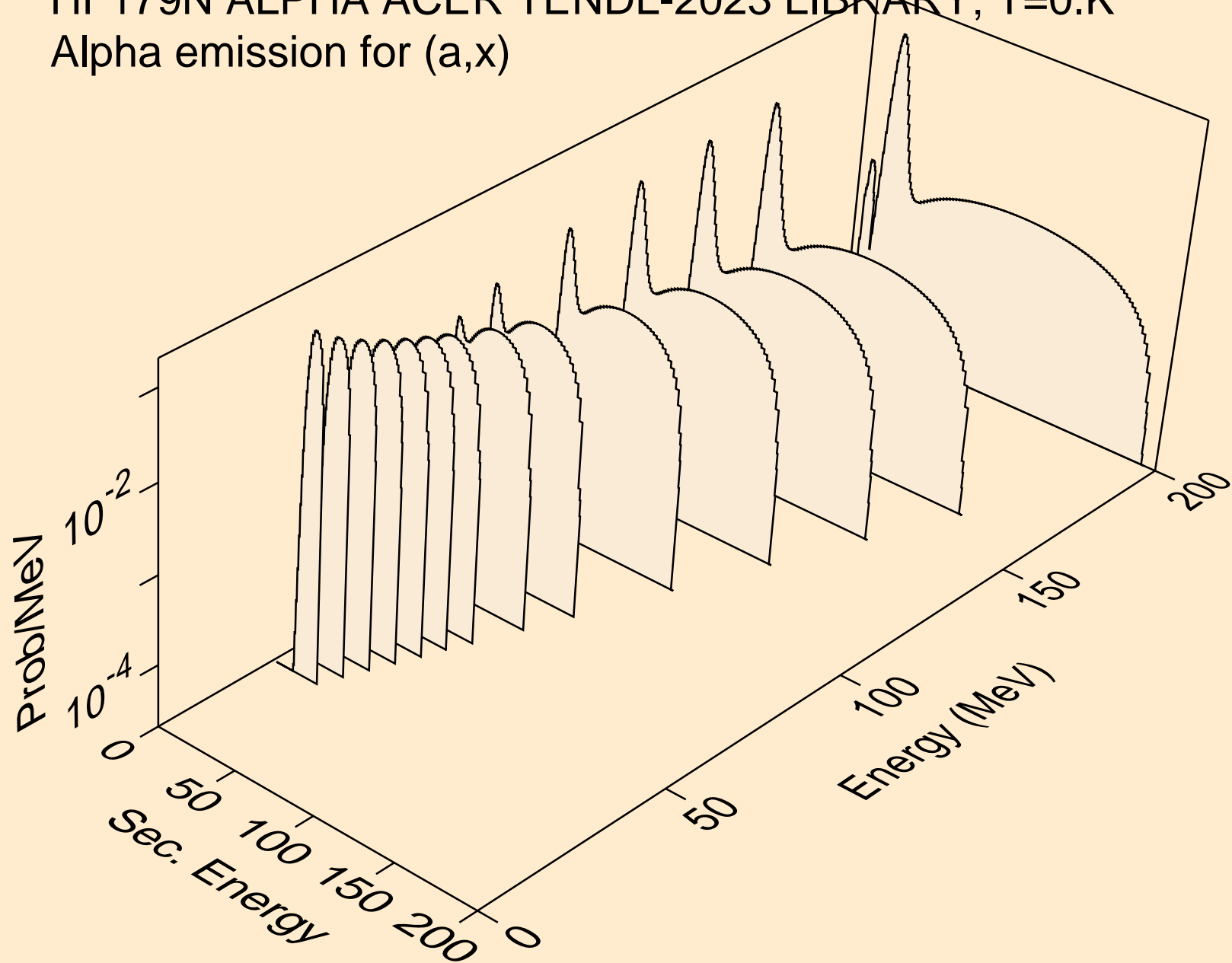


HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

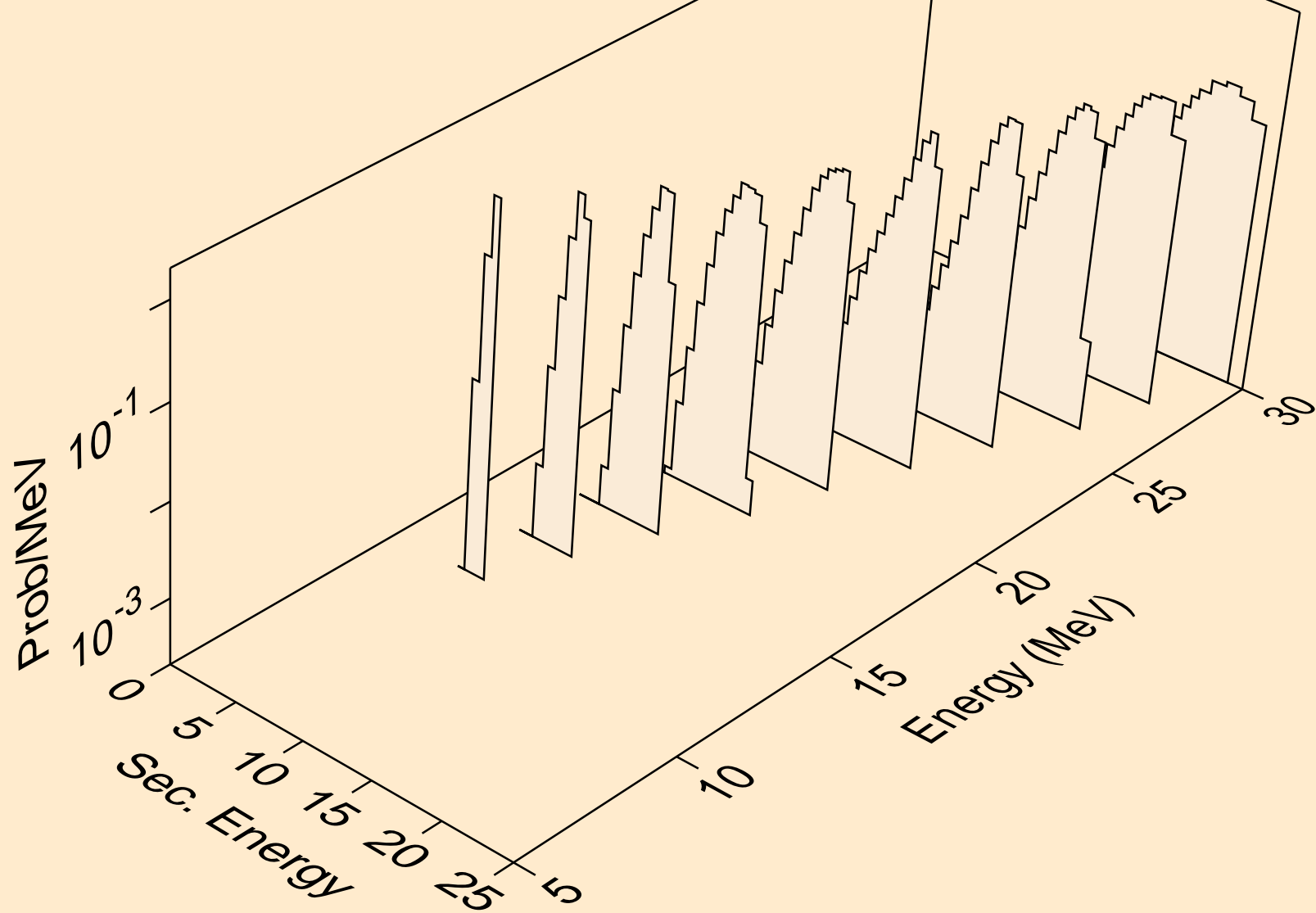




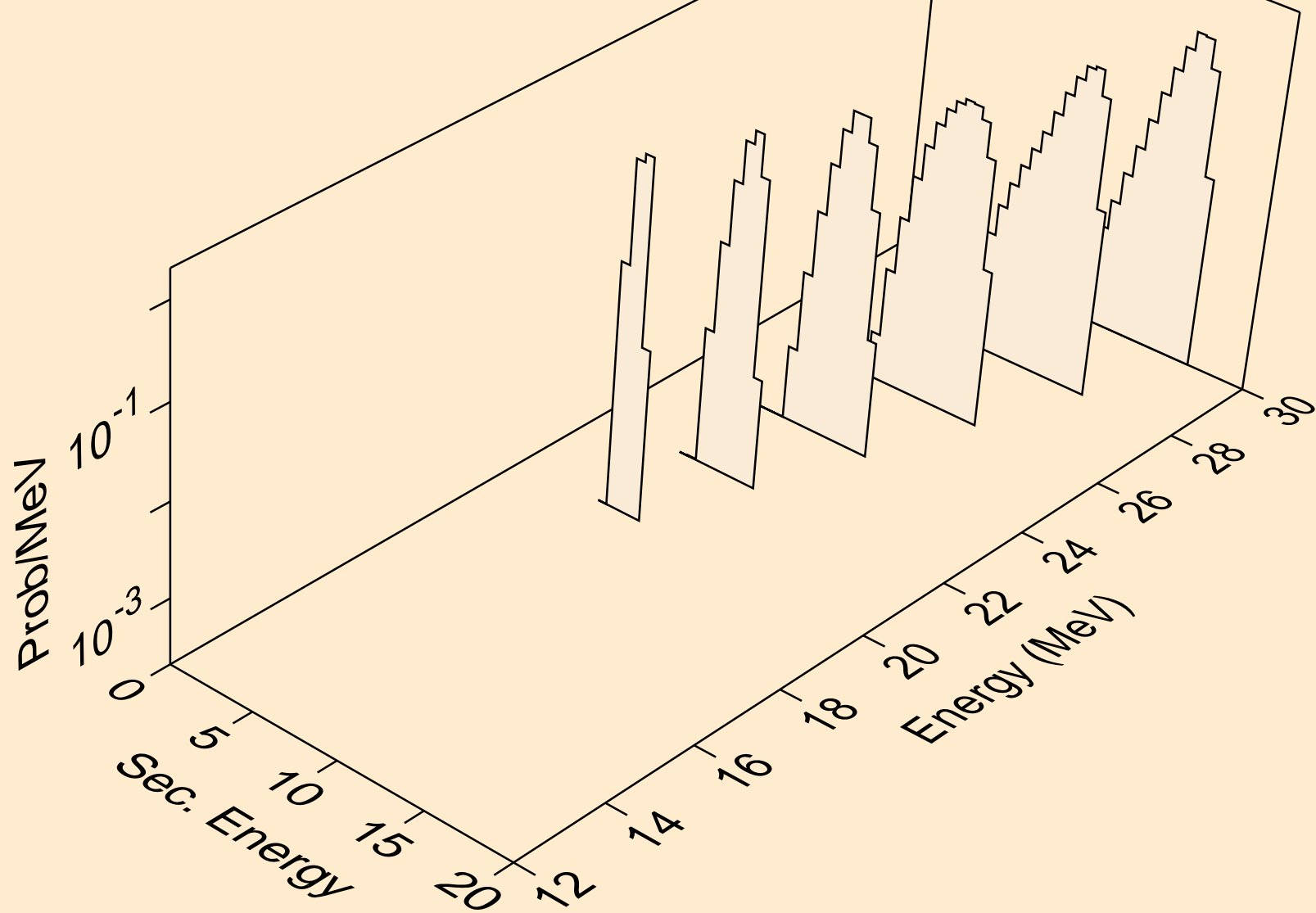
HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,x)



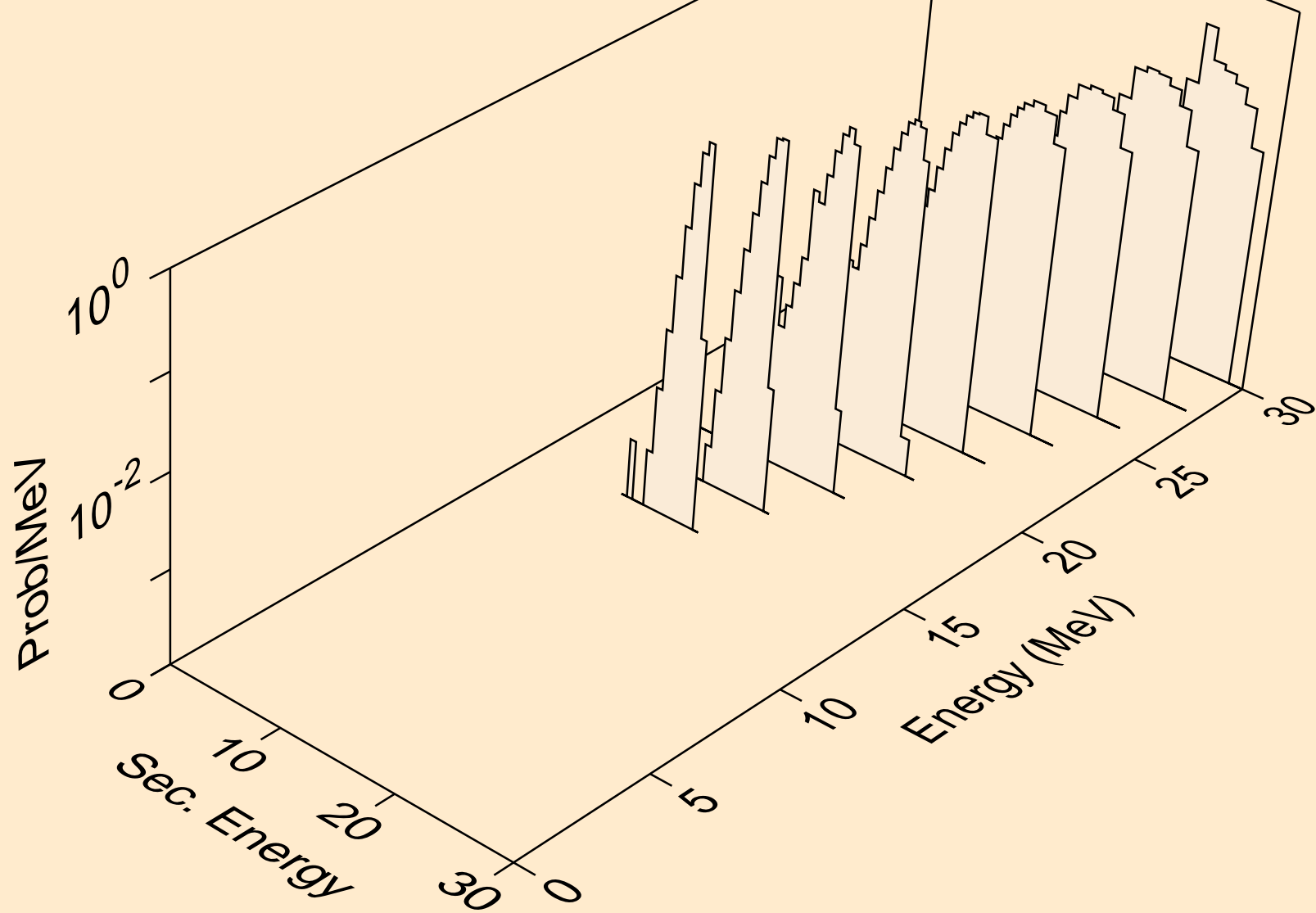
HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,n\*)a



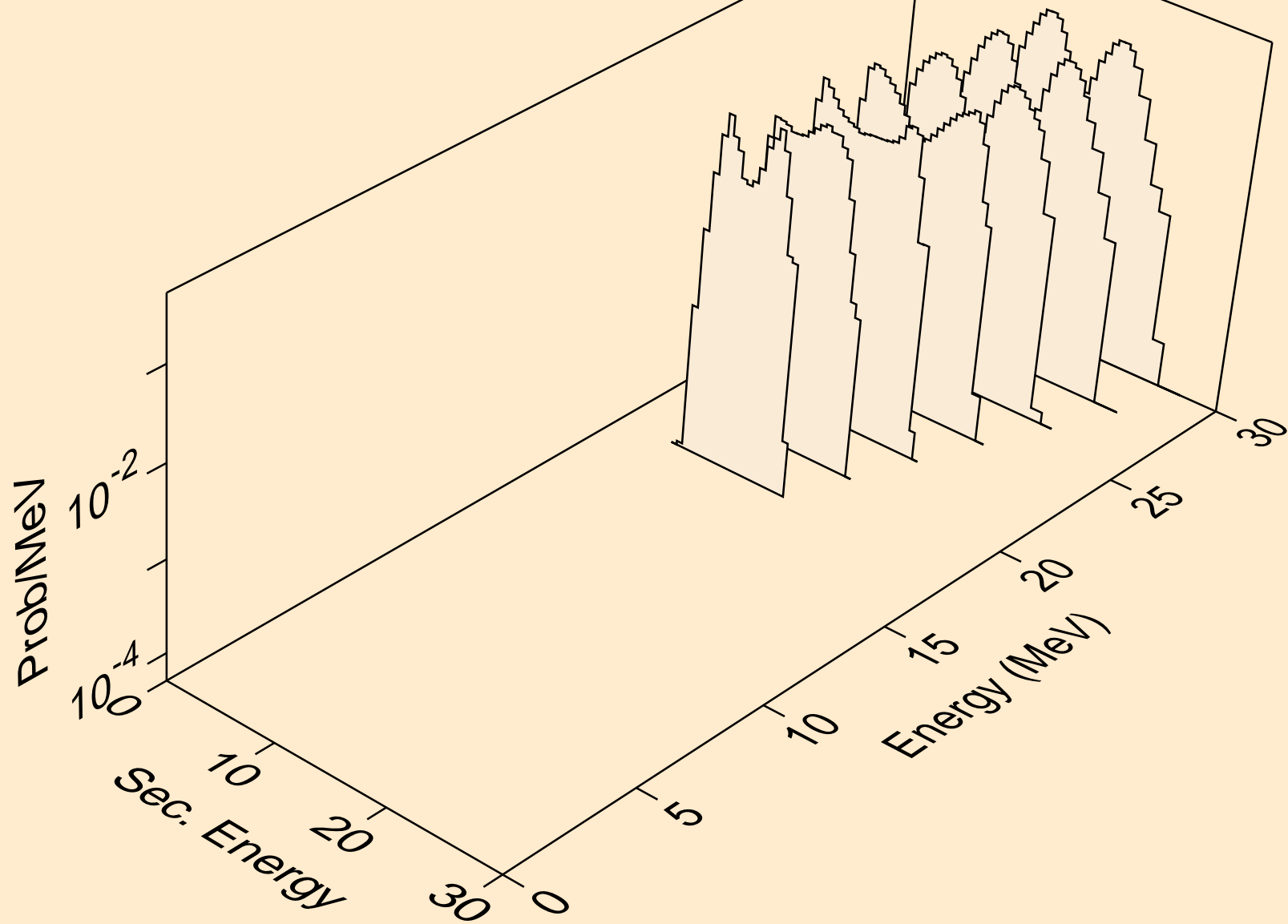
HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,2n)a



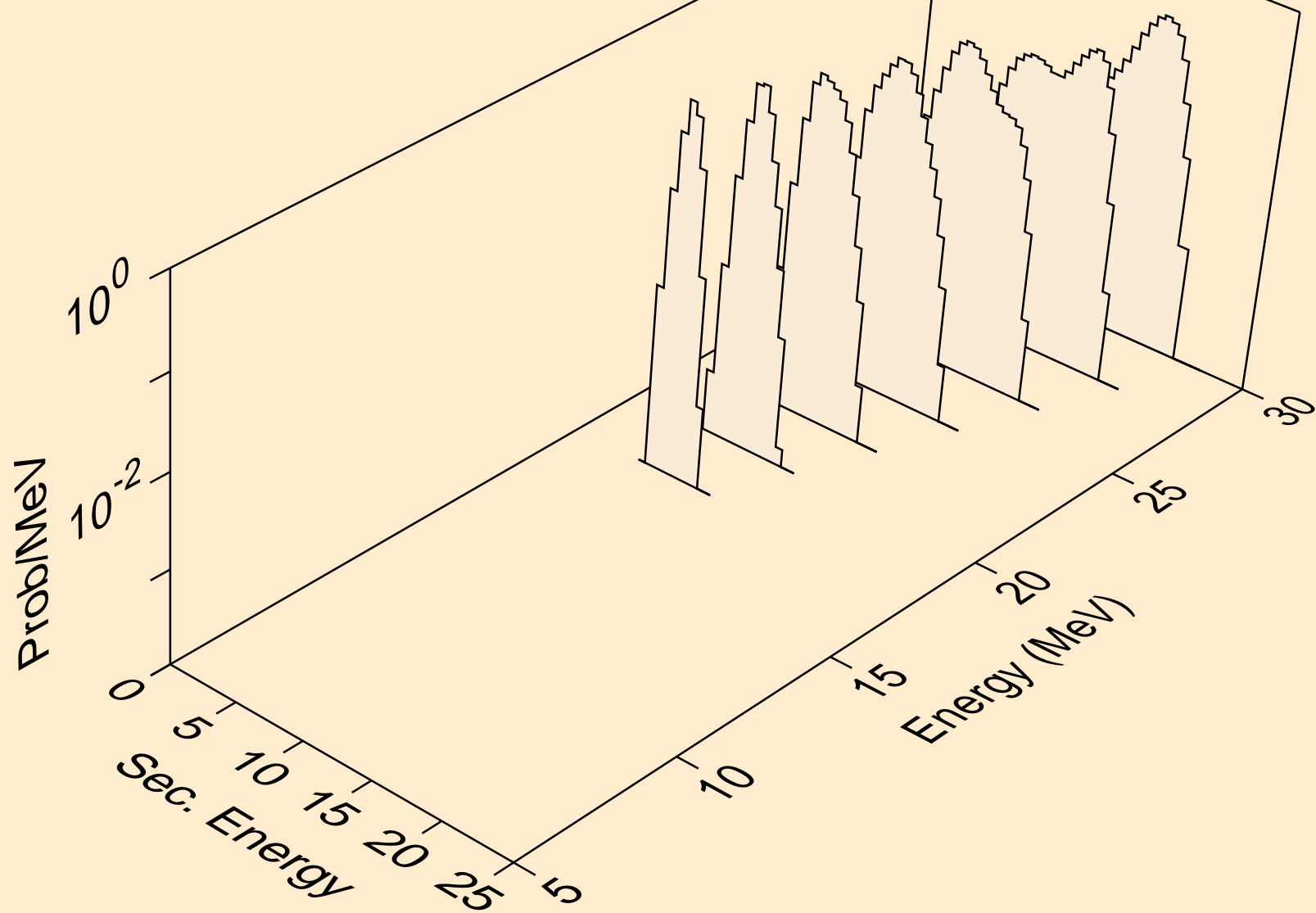
HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for inelastic



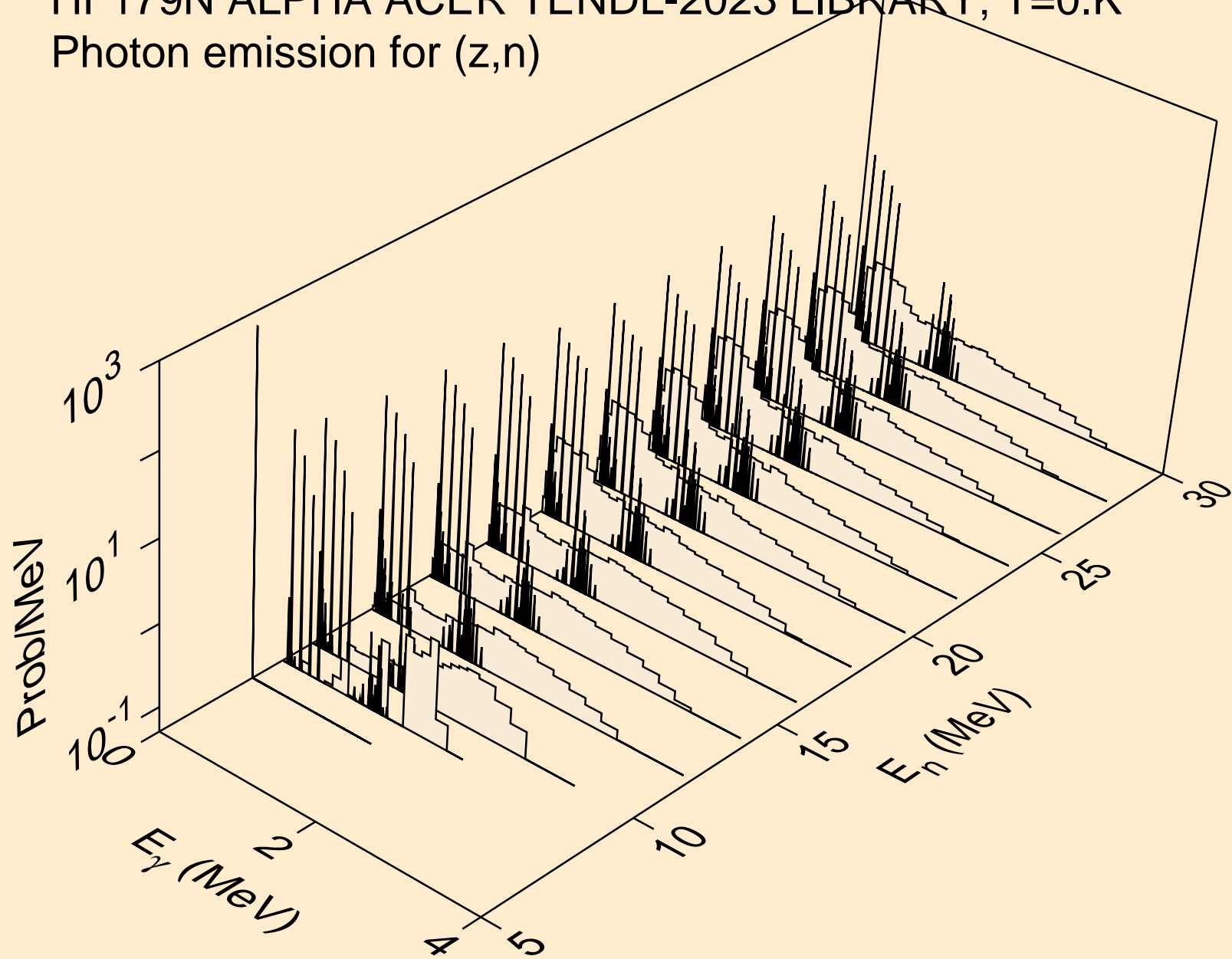
HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,2a)



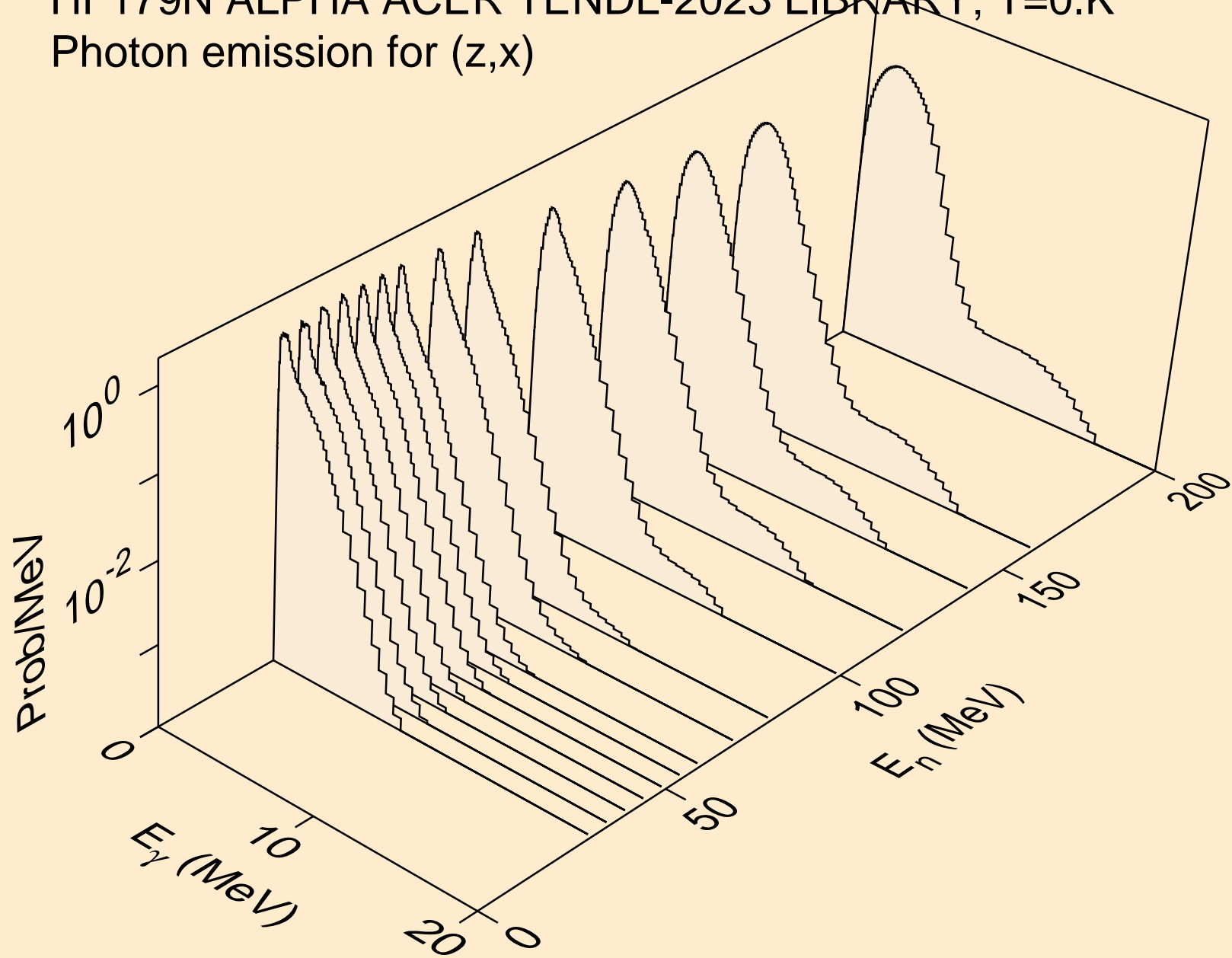
HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,pa)



HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)

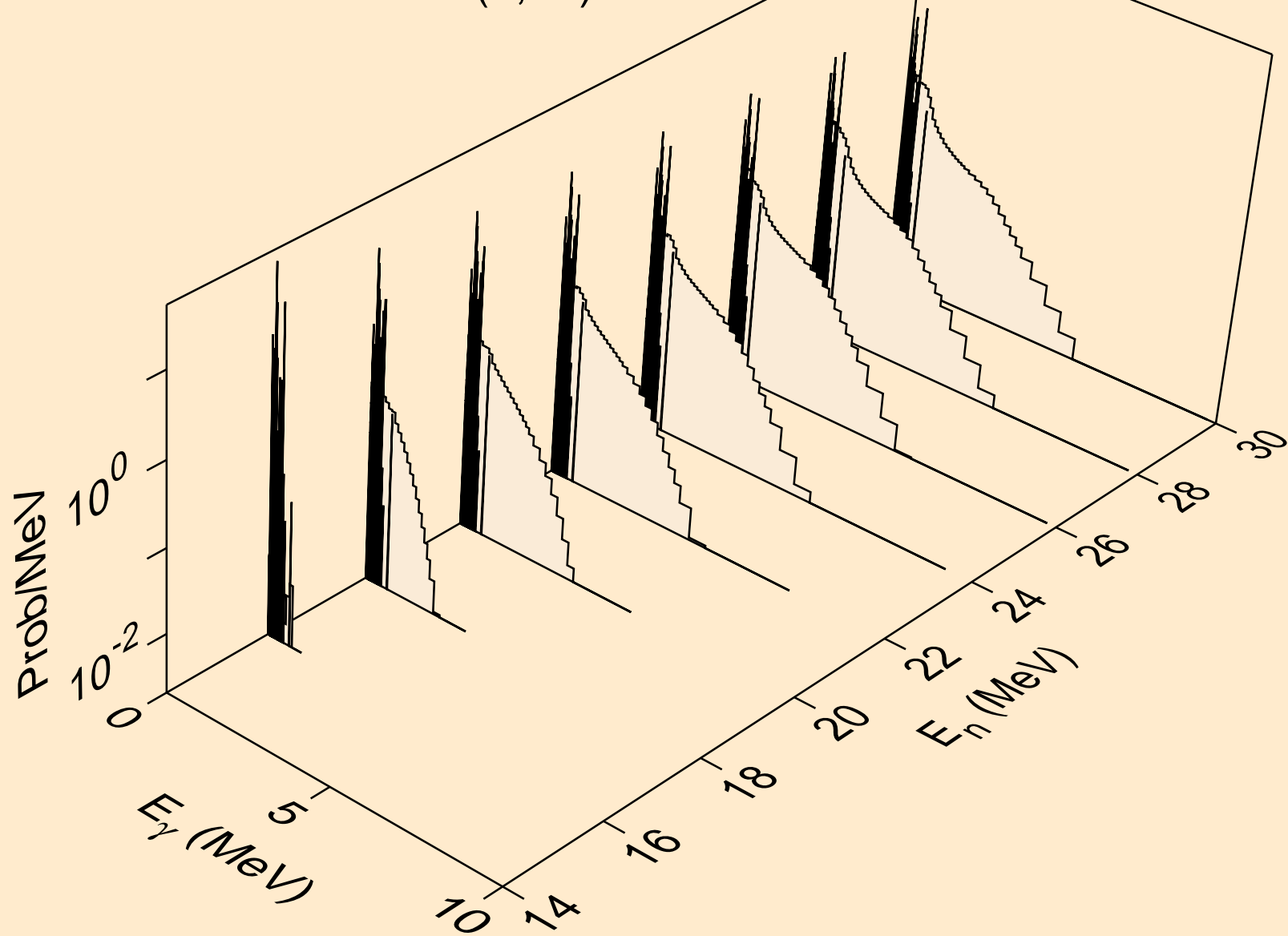


HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)

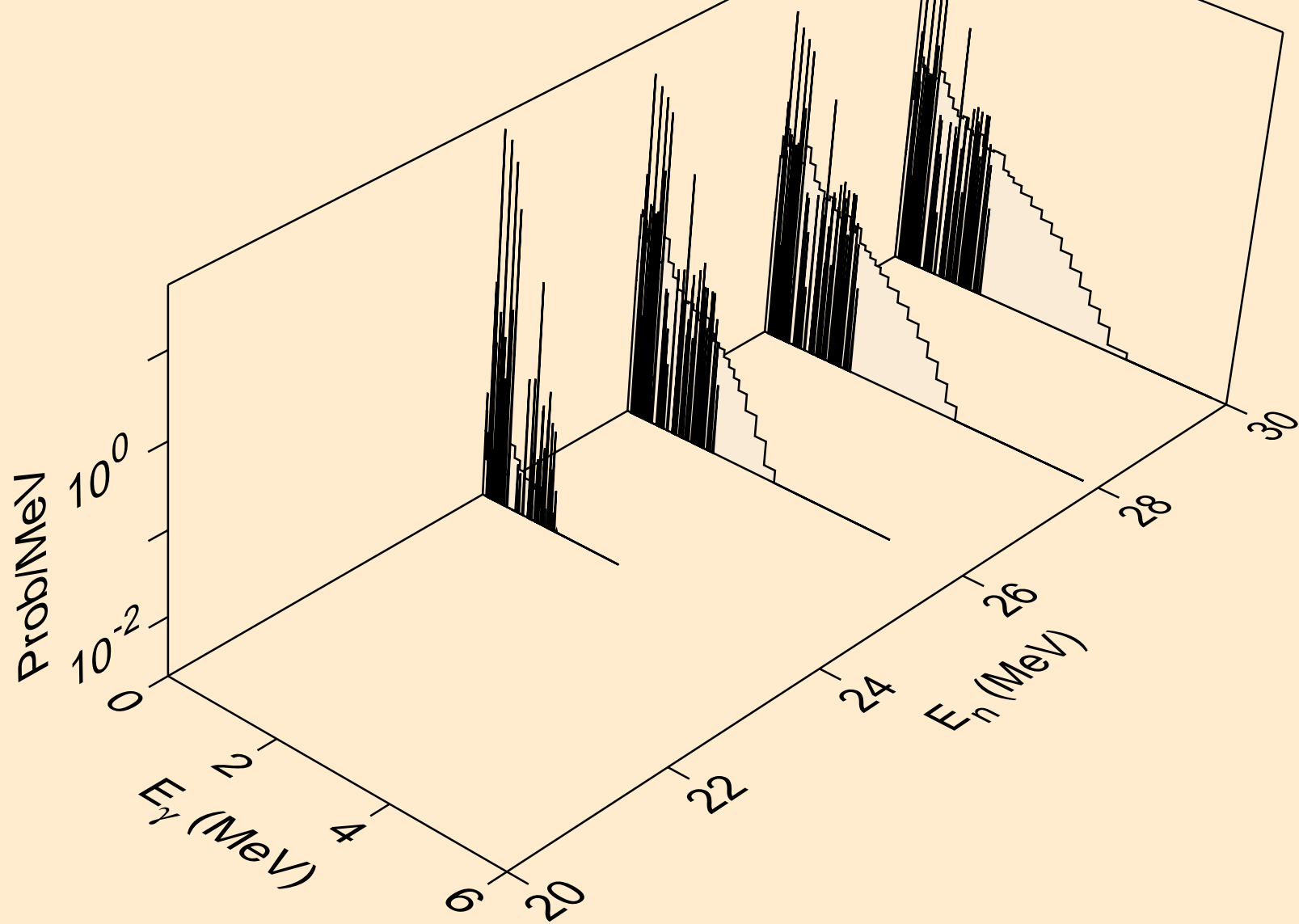




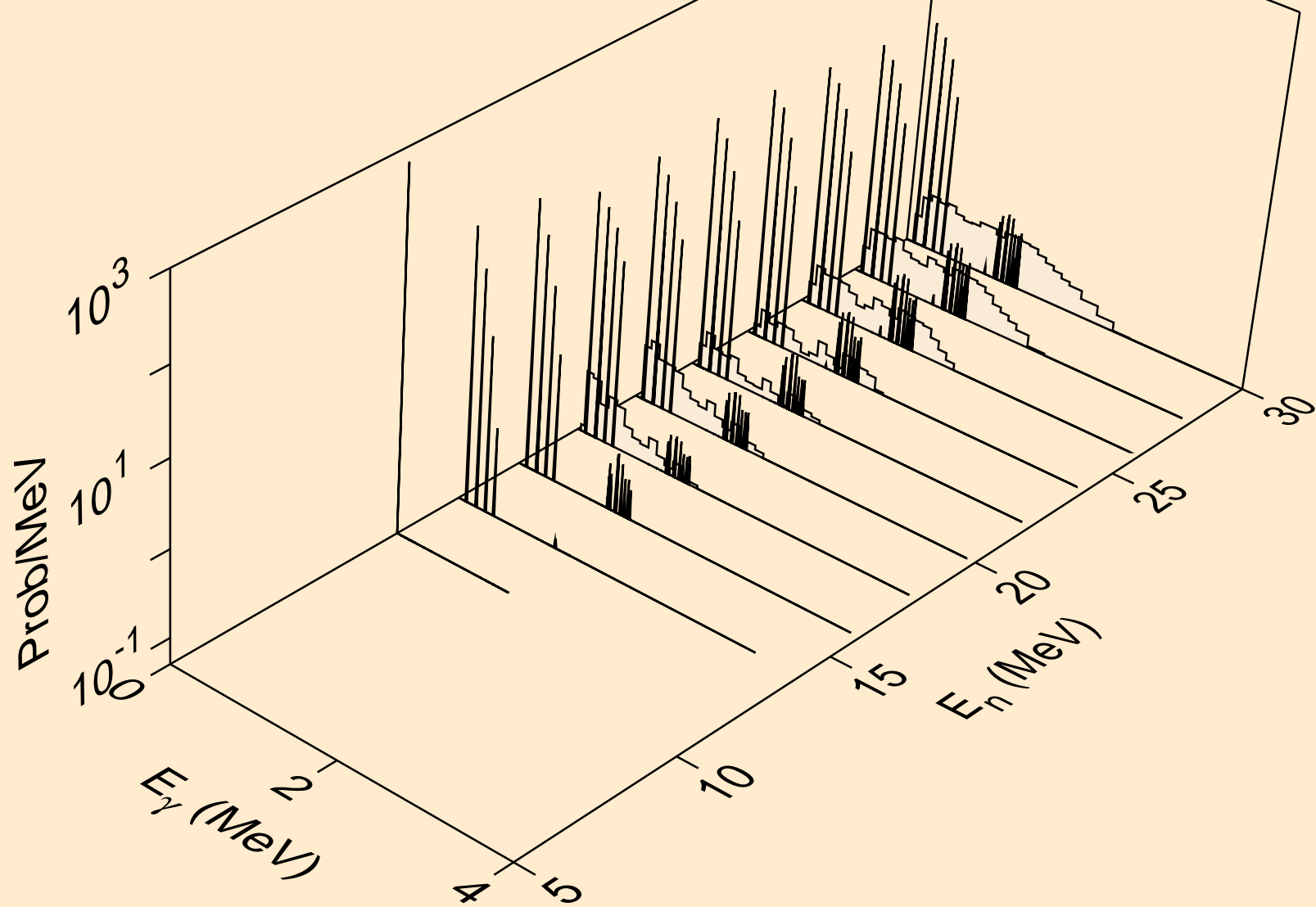
HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



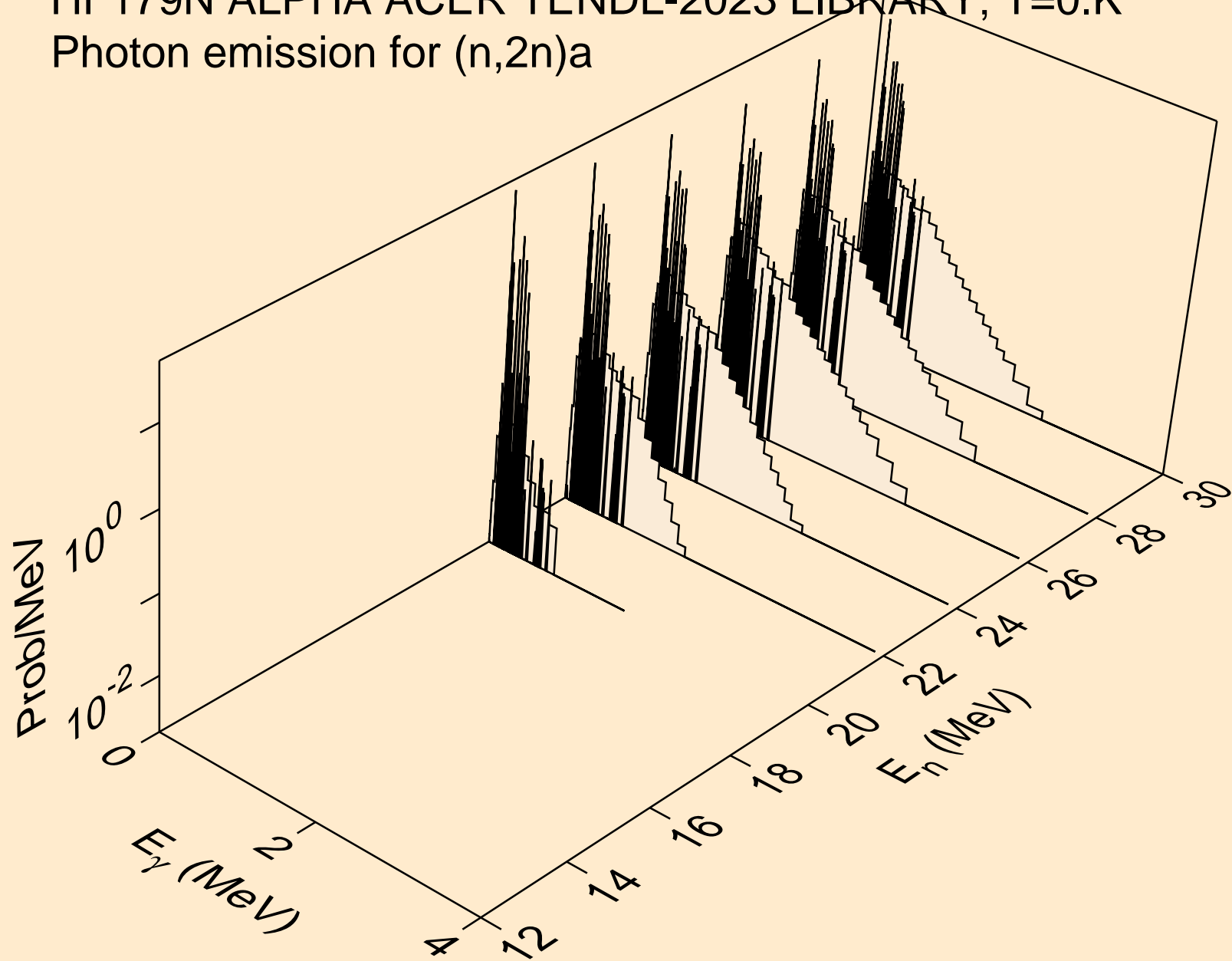
HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



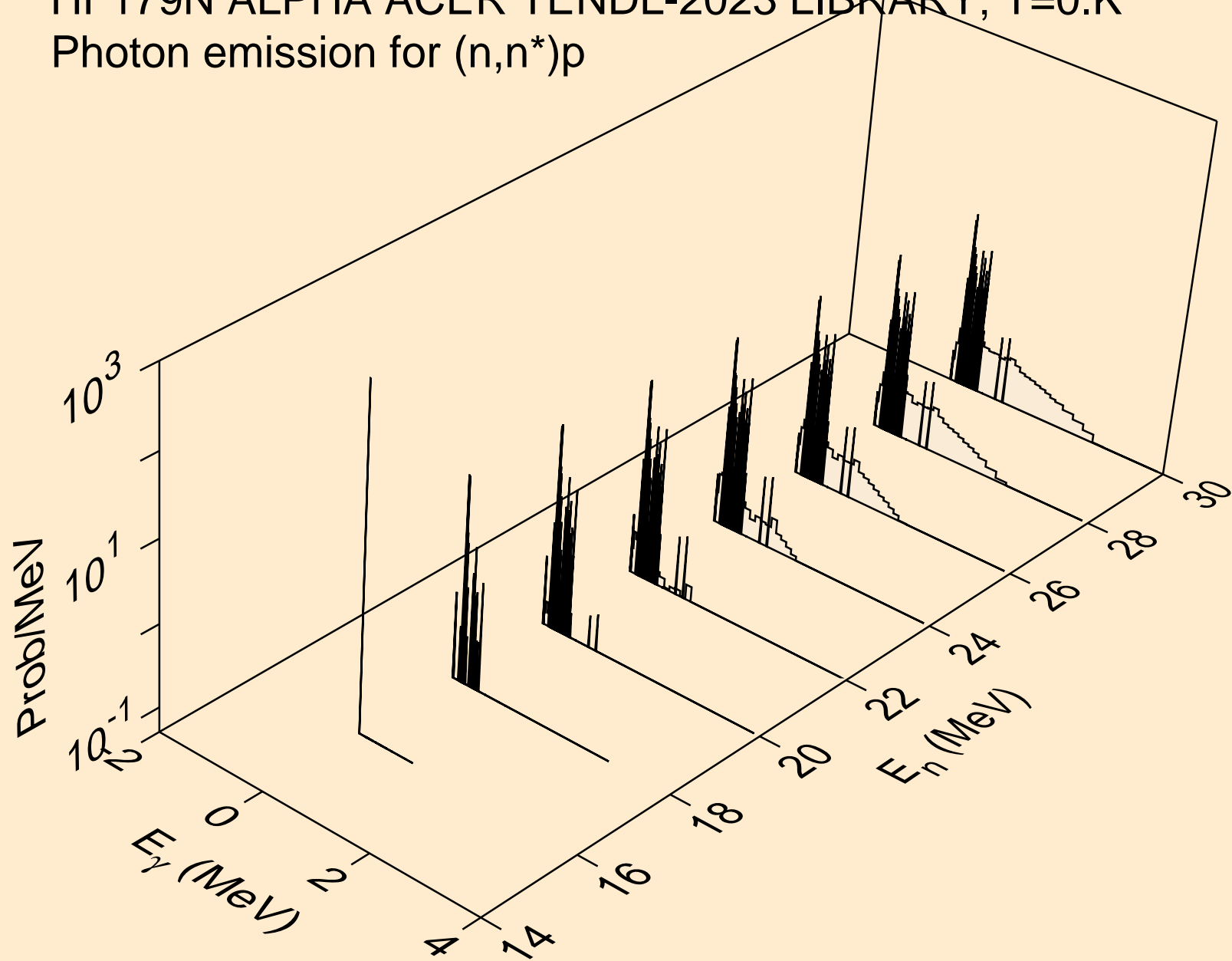
HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



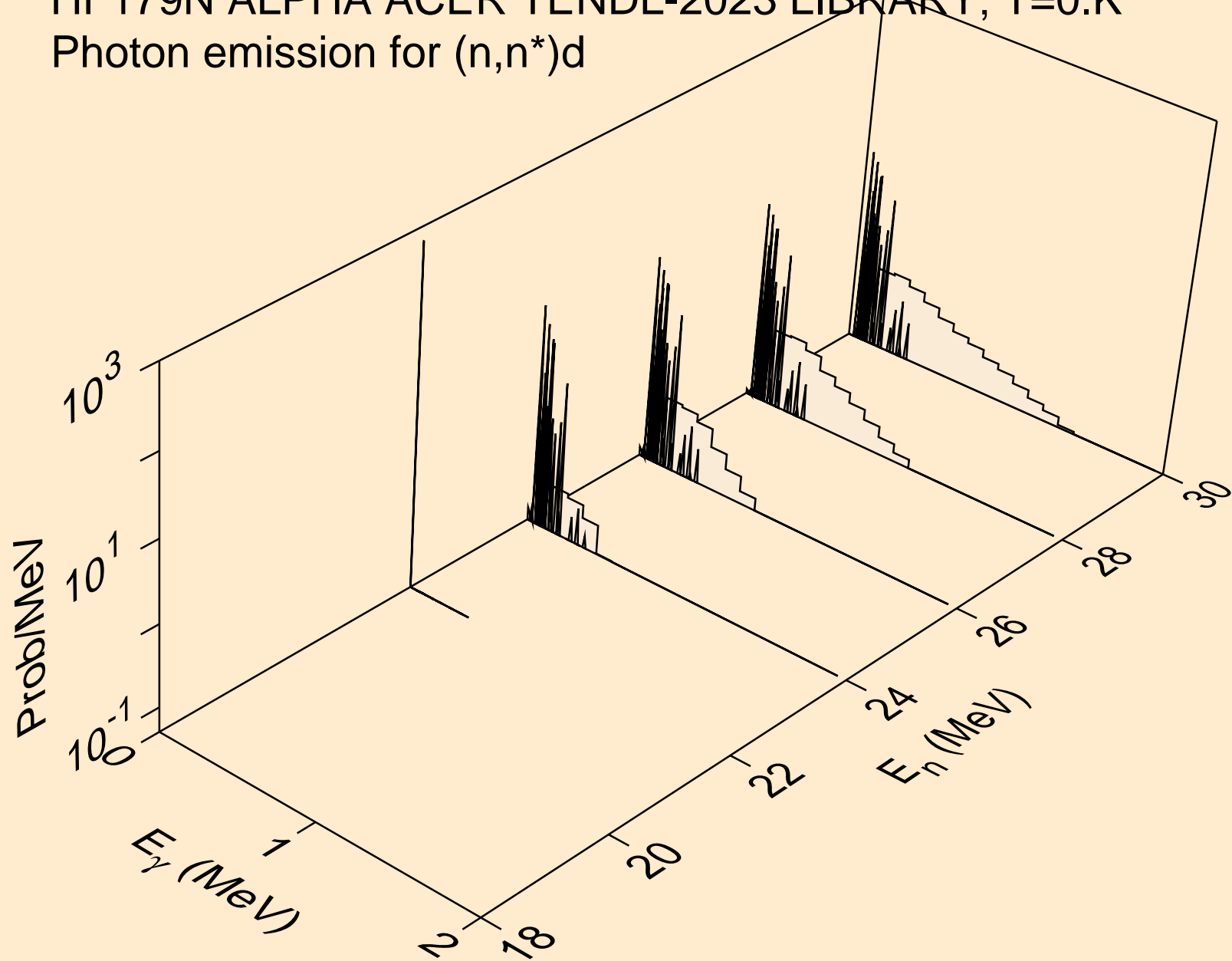
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Photon emission for (n,2n)a



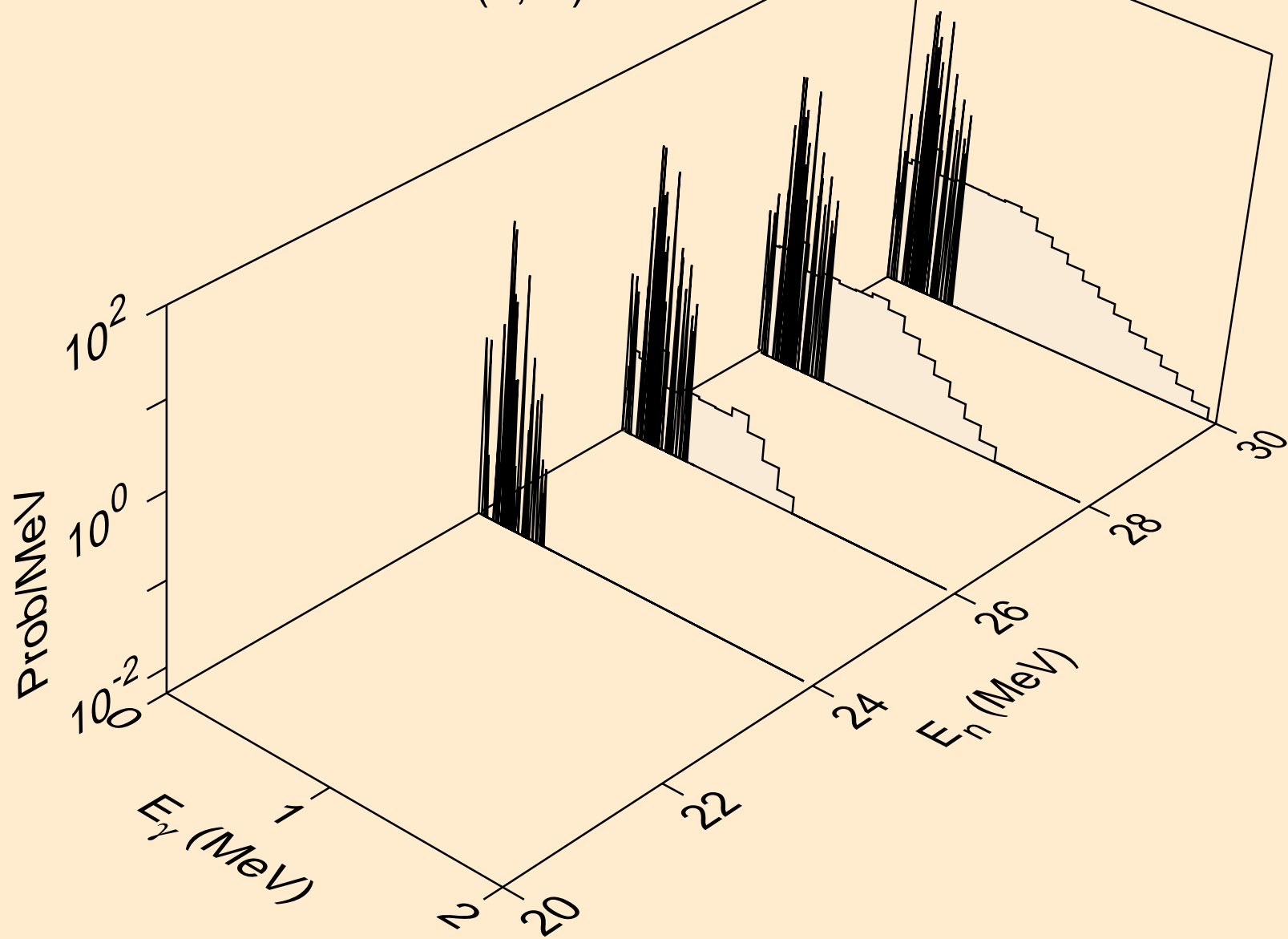
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Photon emission for (n,n\*)p



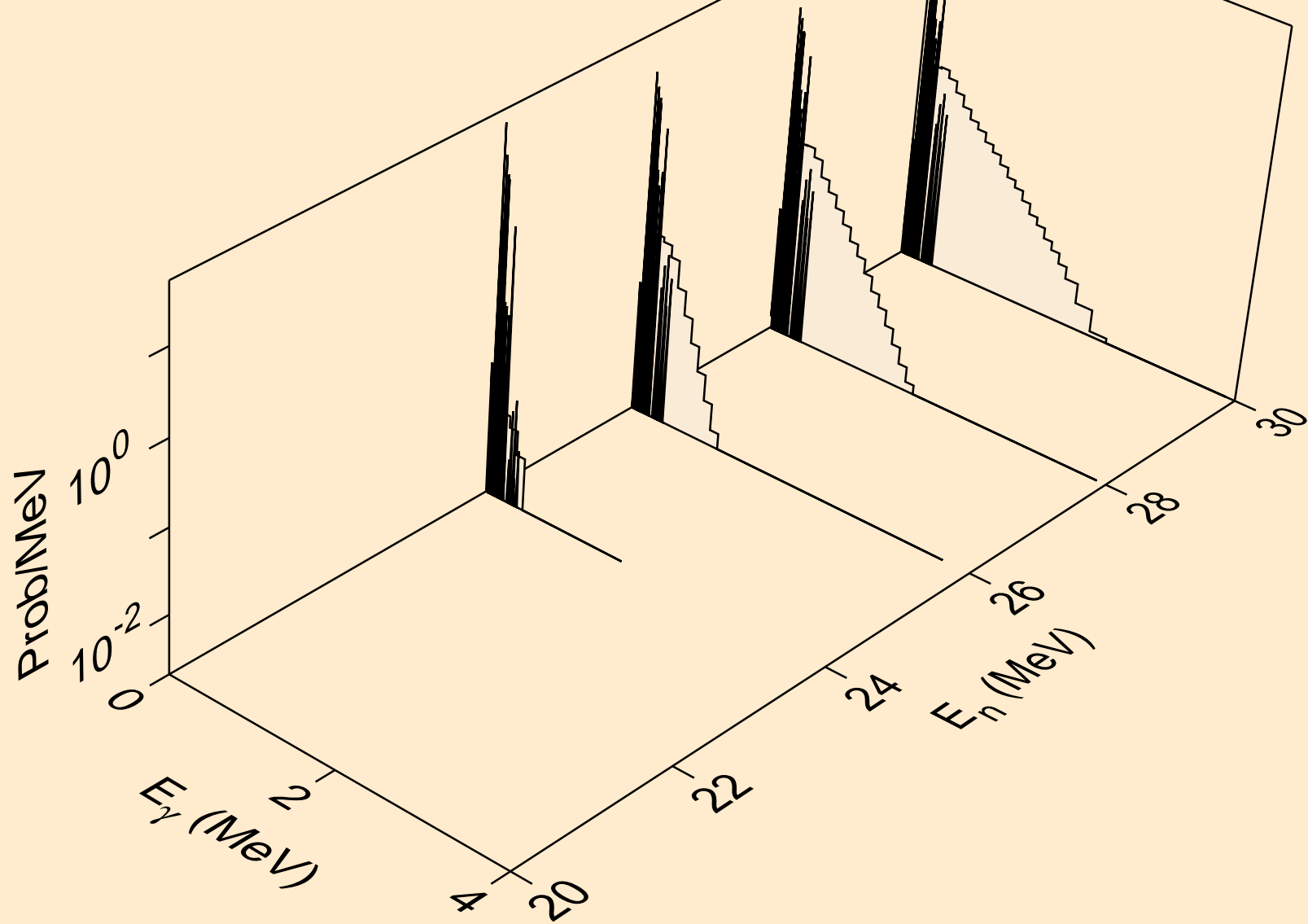
HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

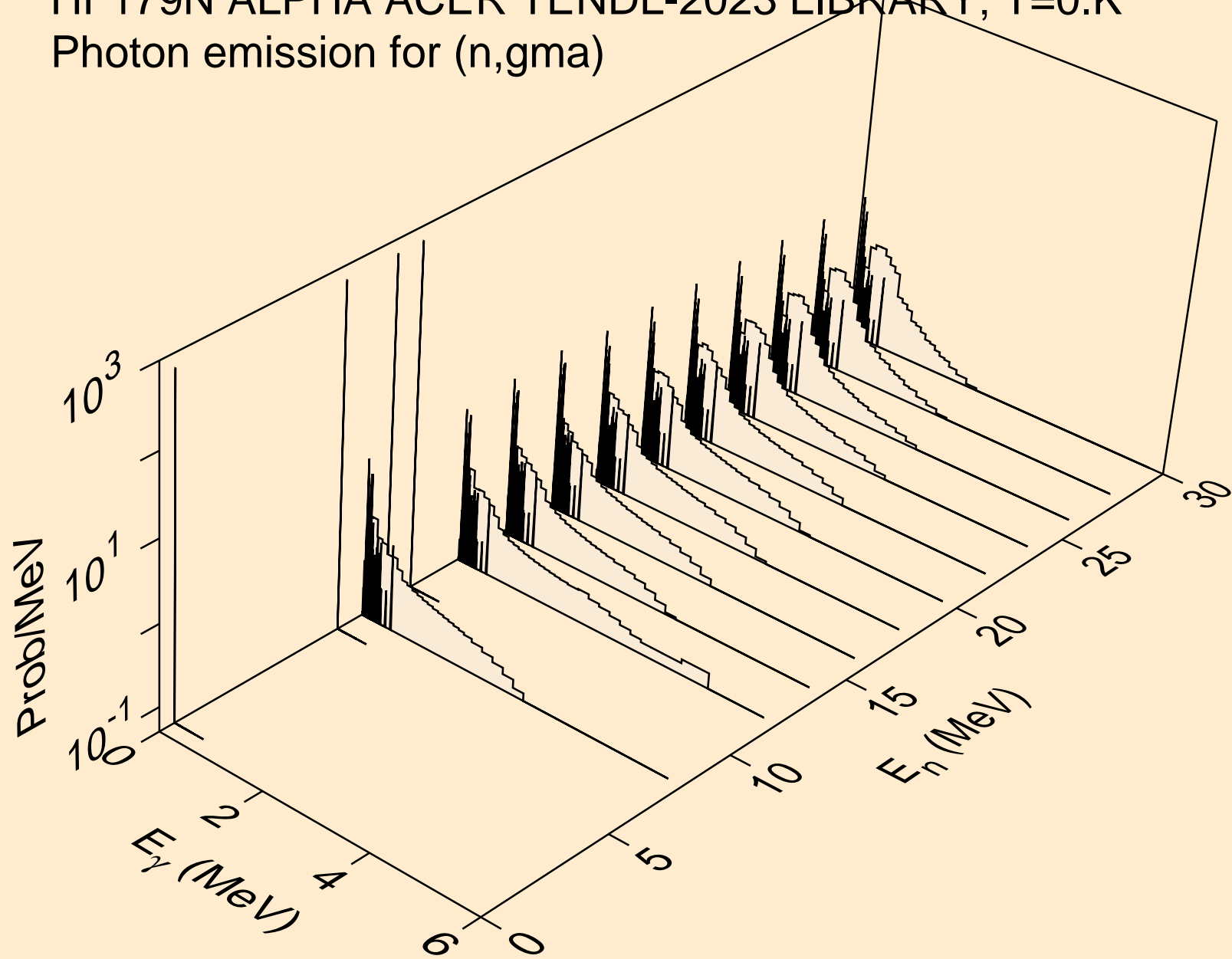


HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

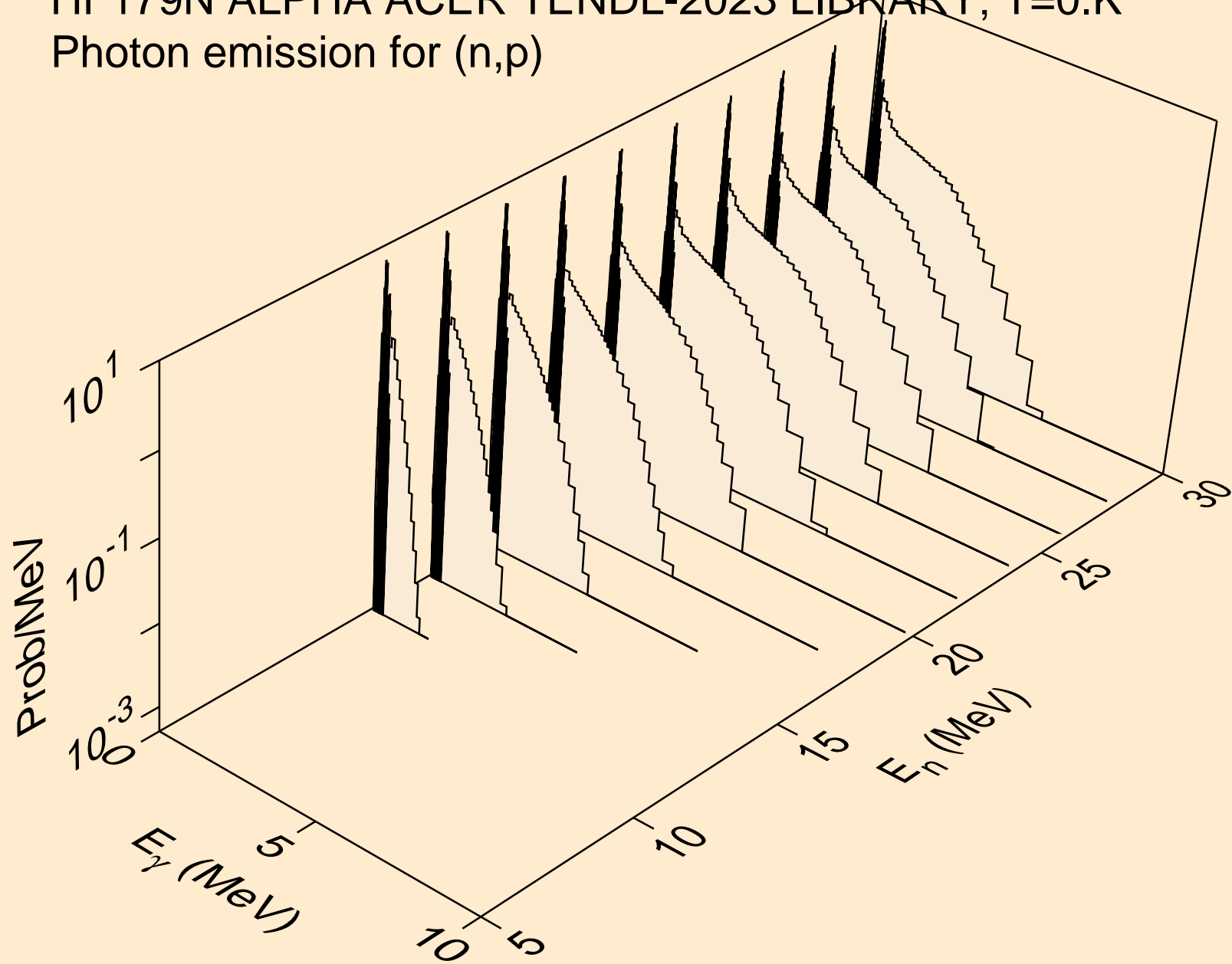




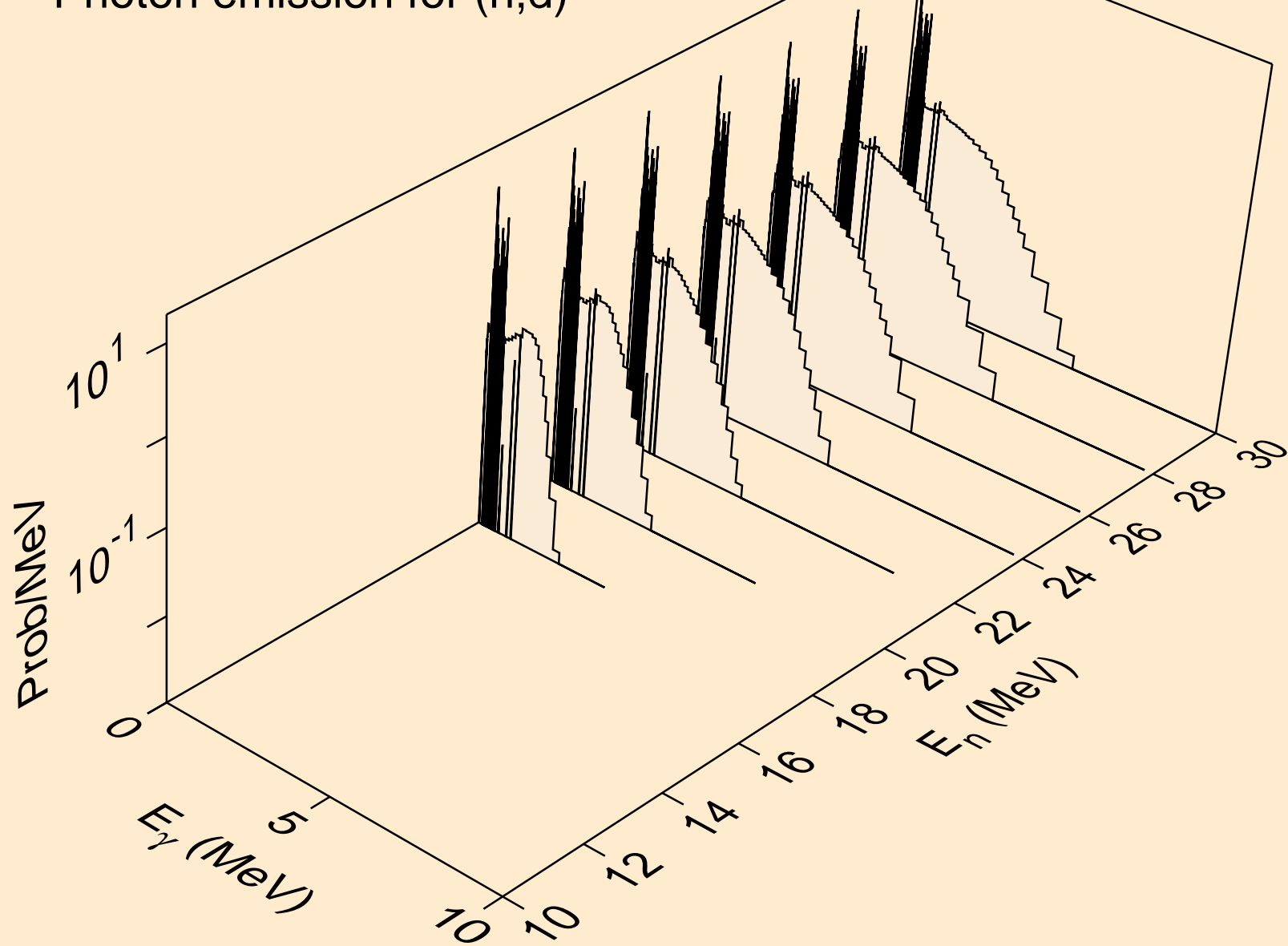
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Photon emission for (n,gma)



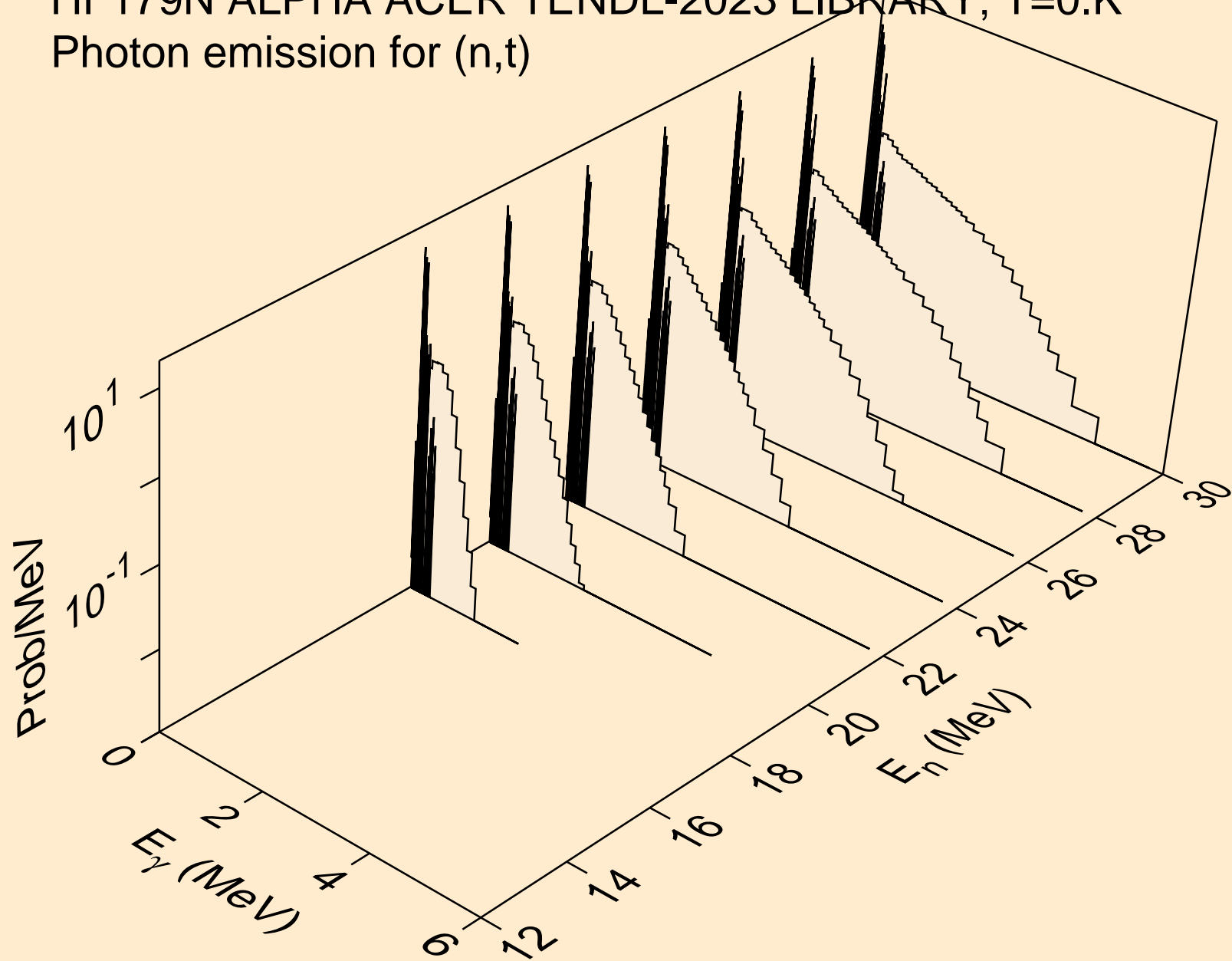
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Photon emission for (n,p)



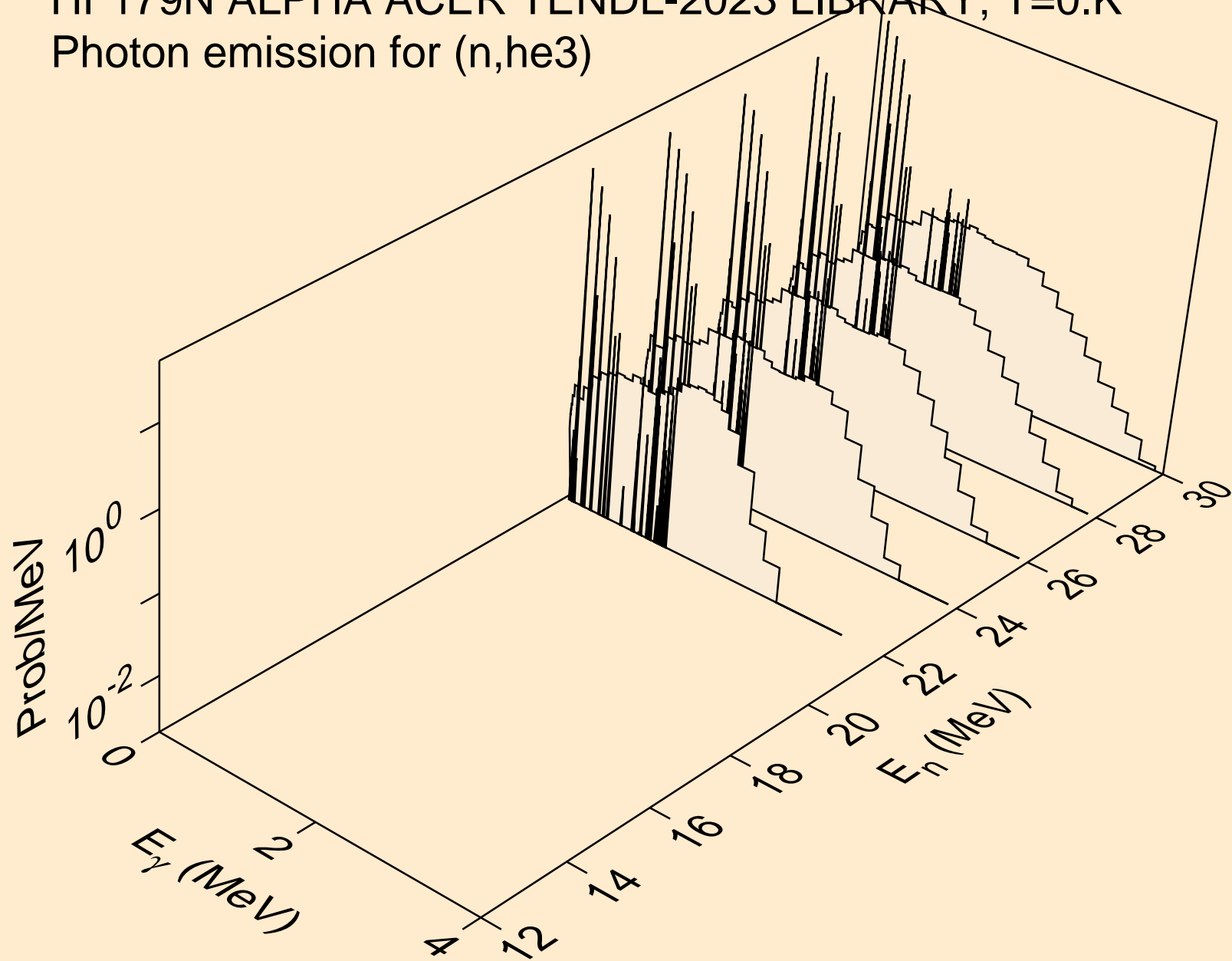
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Photon emission for (n,d)



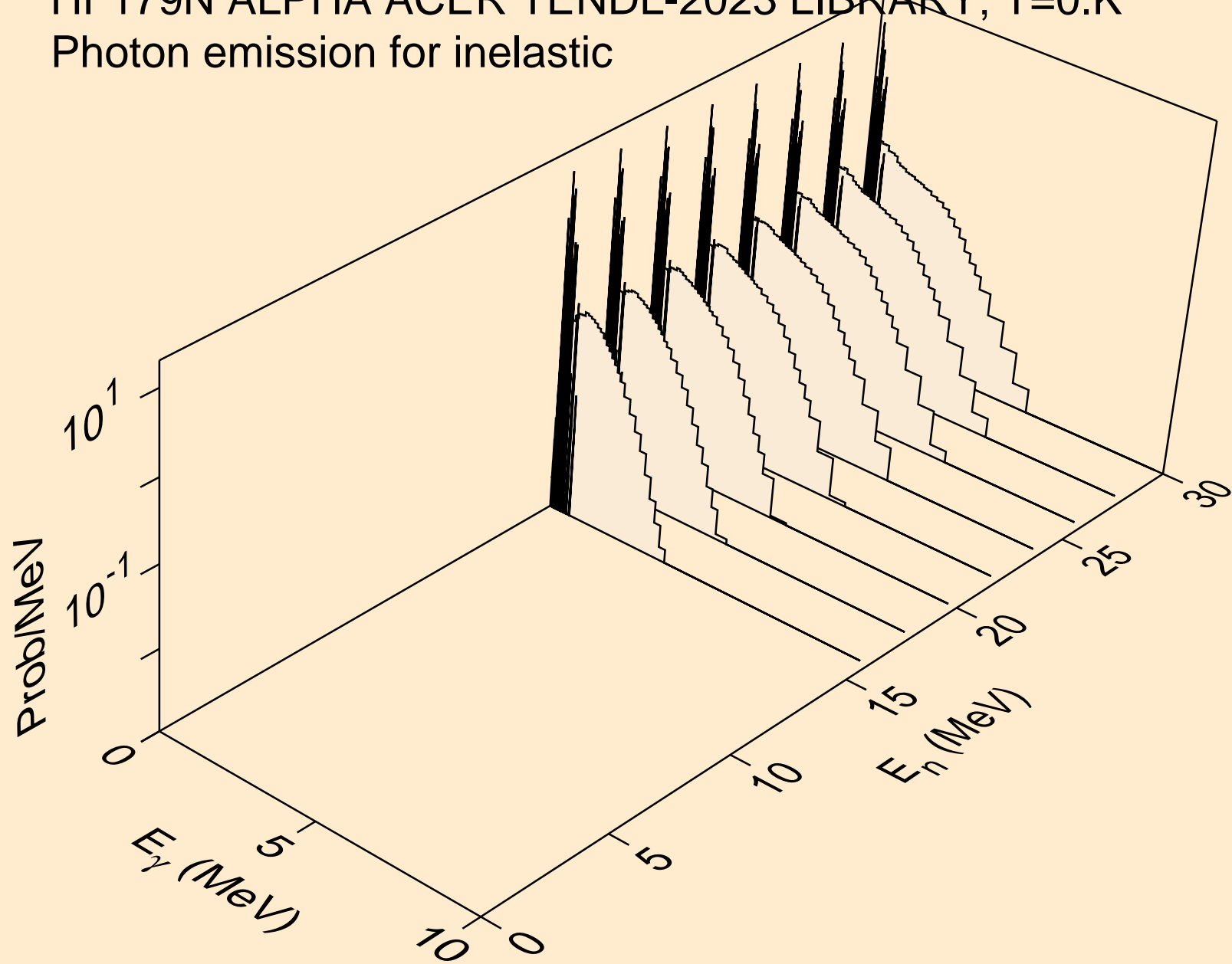
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Photon emission for (n,t)



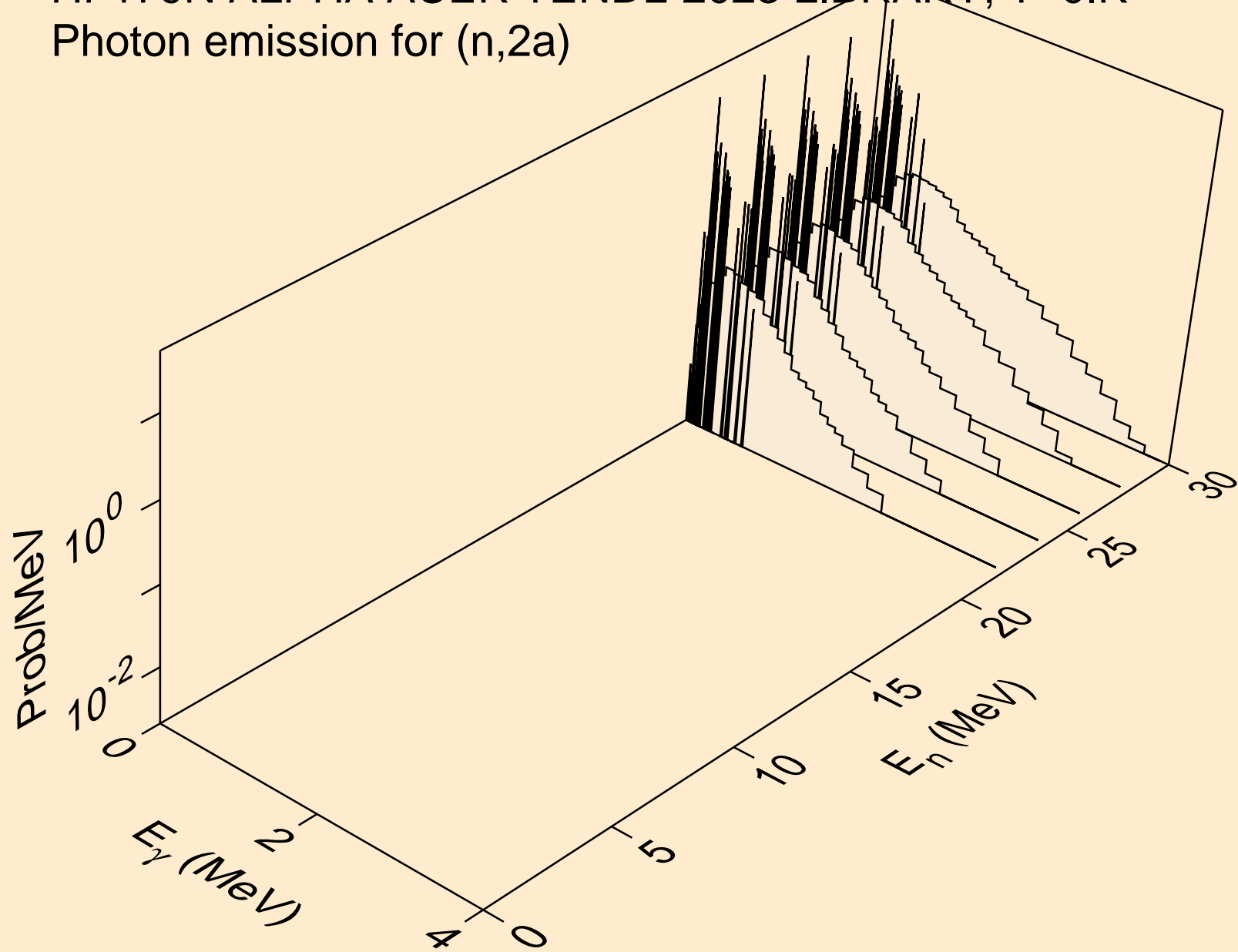
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Photon emission for (n,he3)



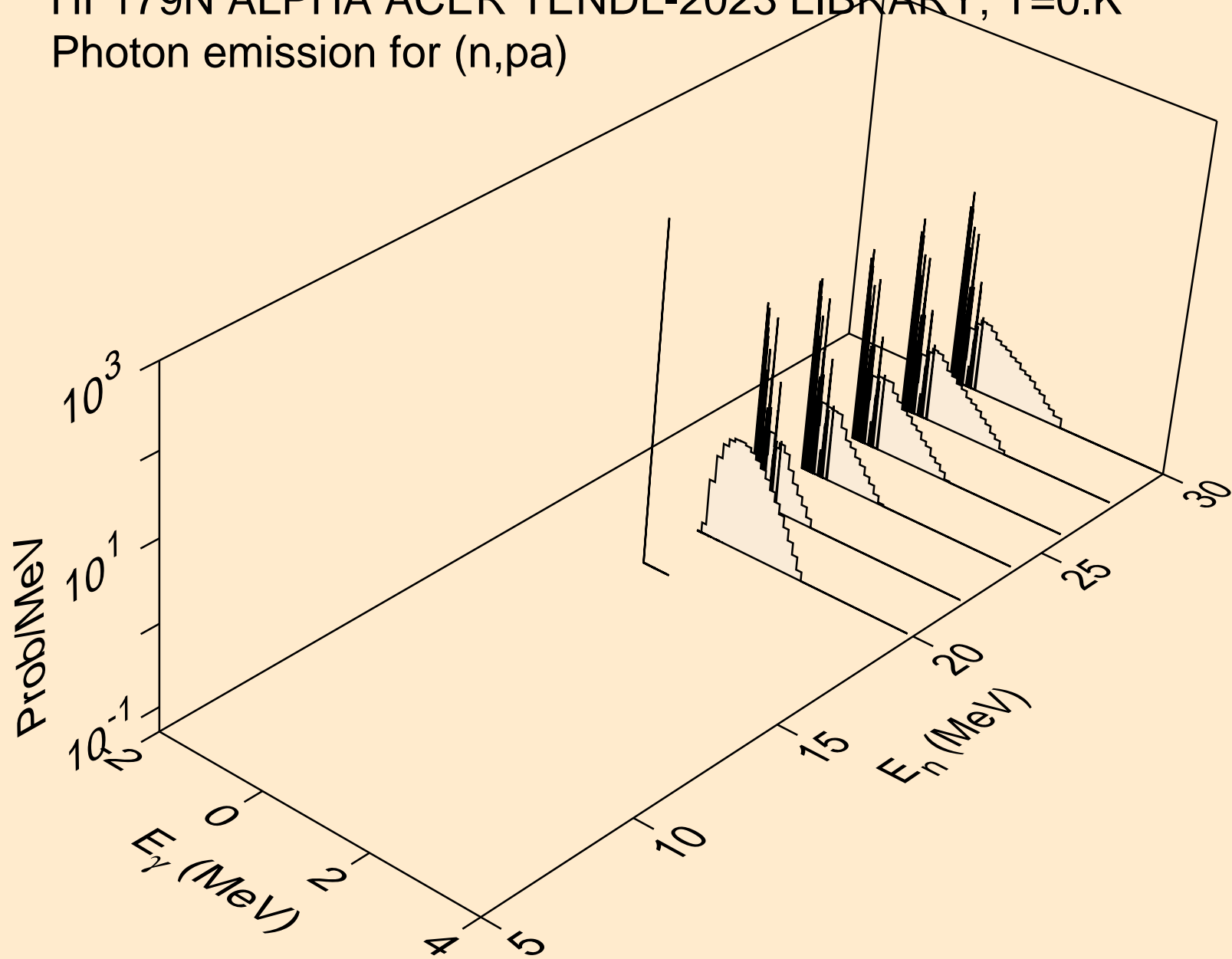
HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



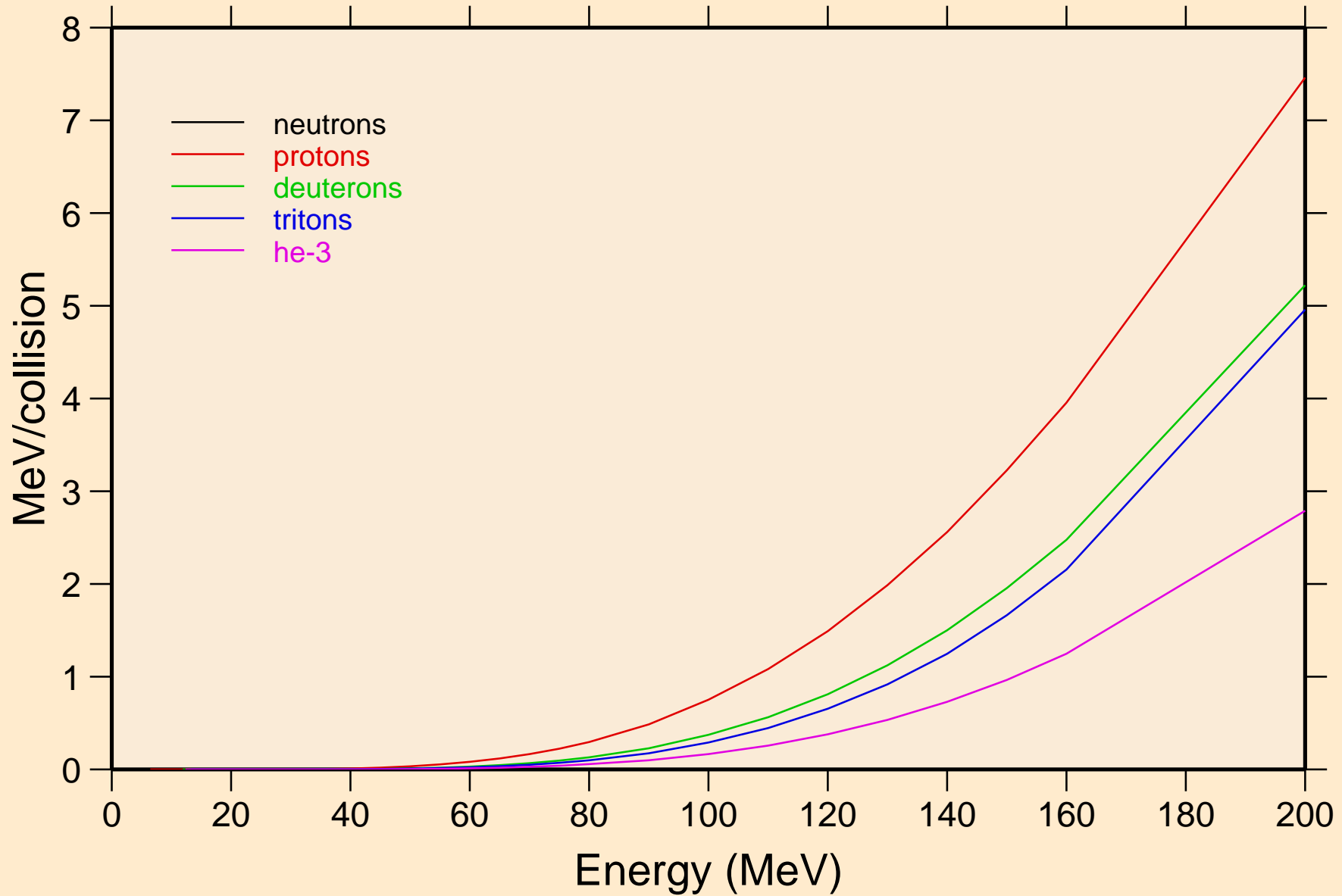
HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)



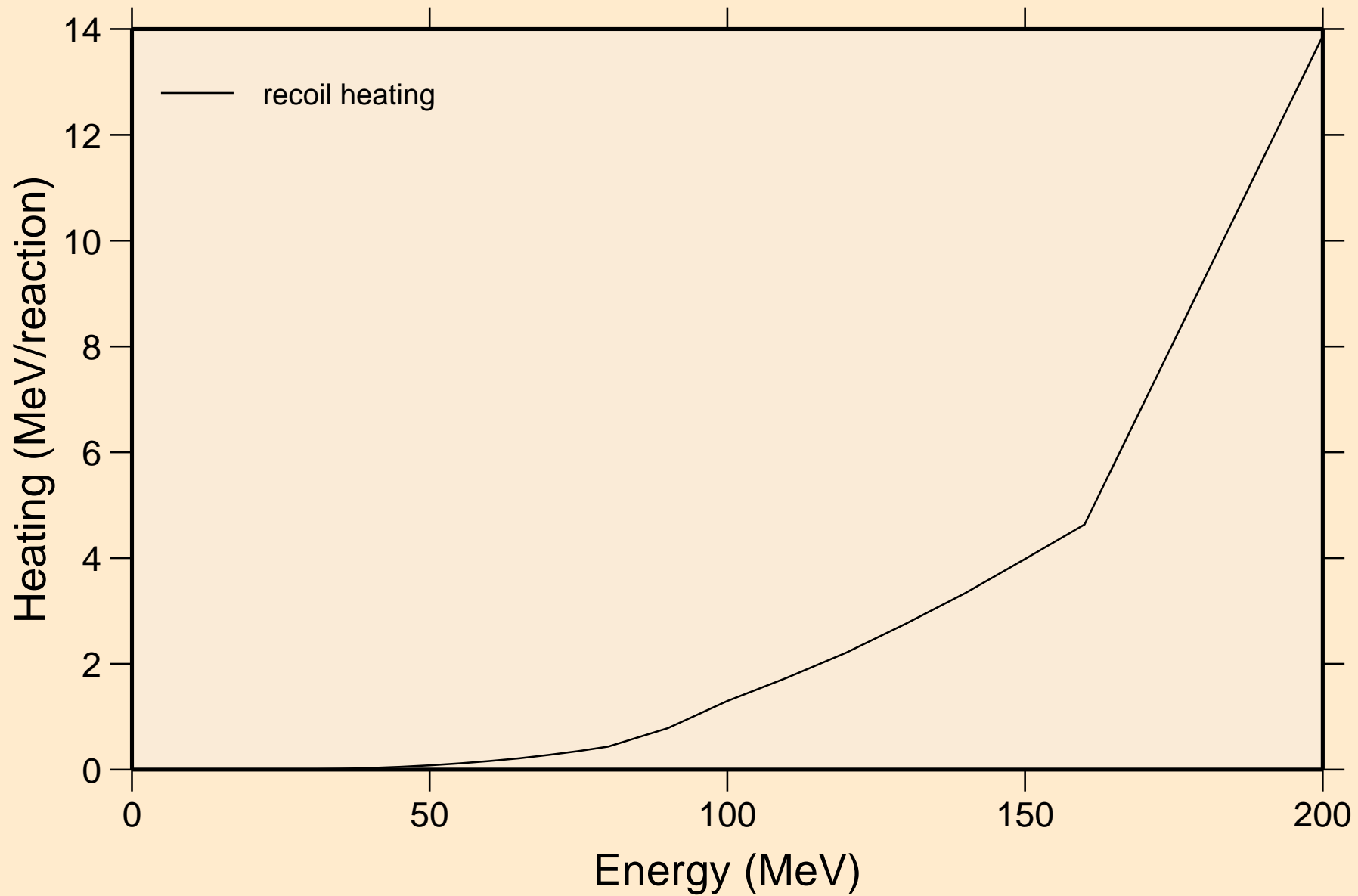


# HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K

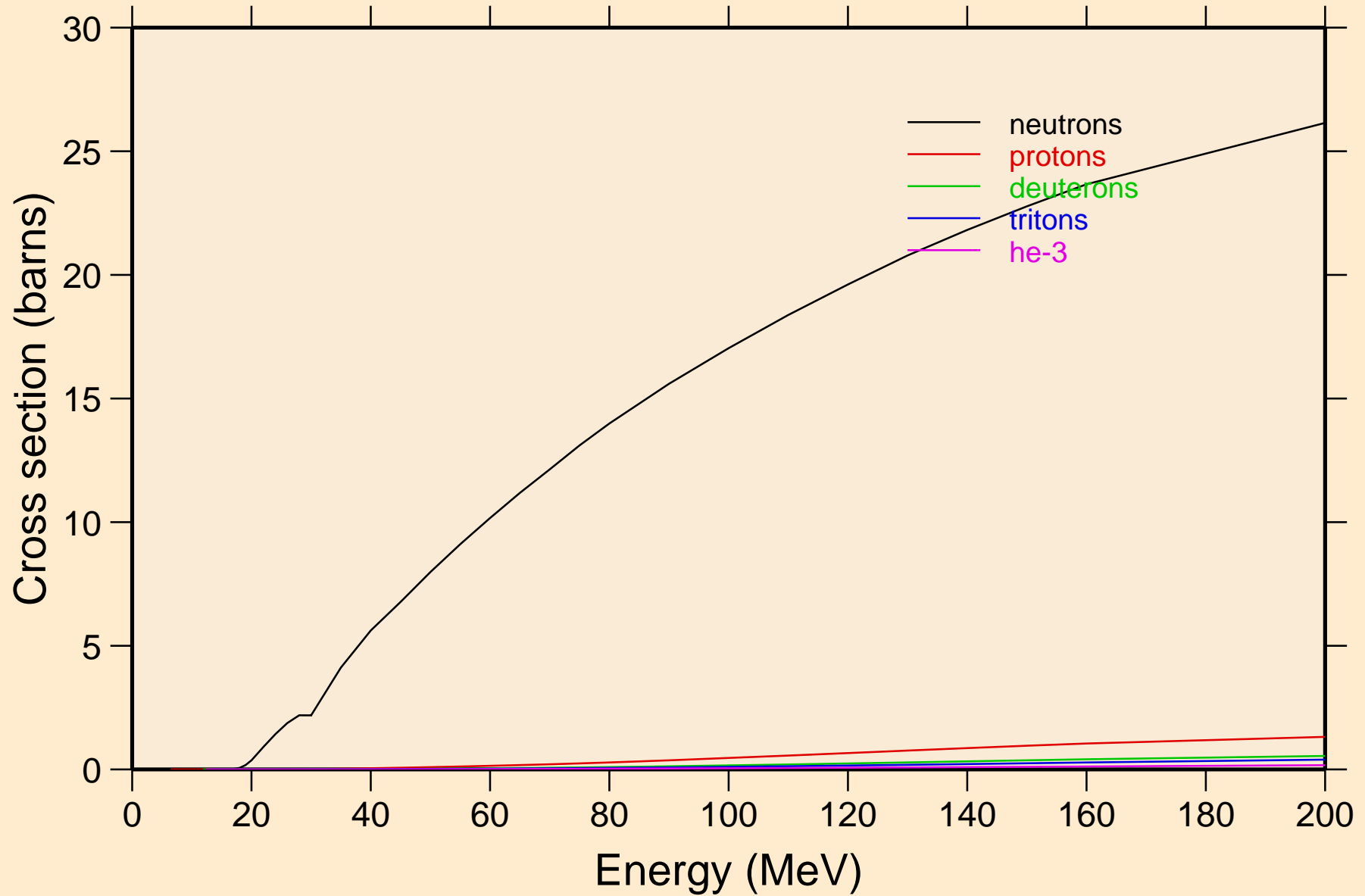
## Particle heating contributions



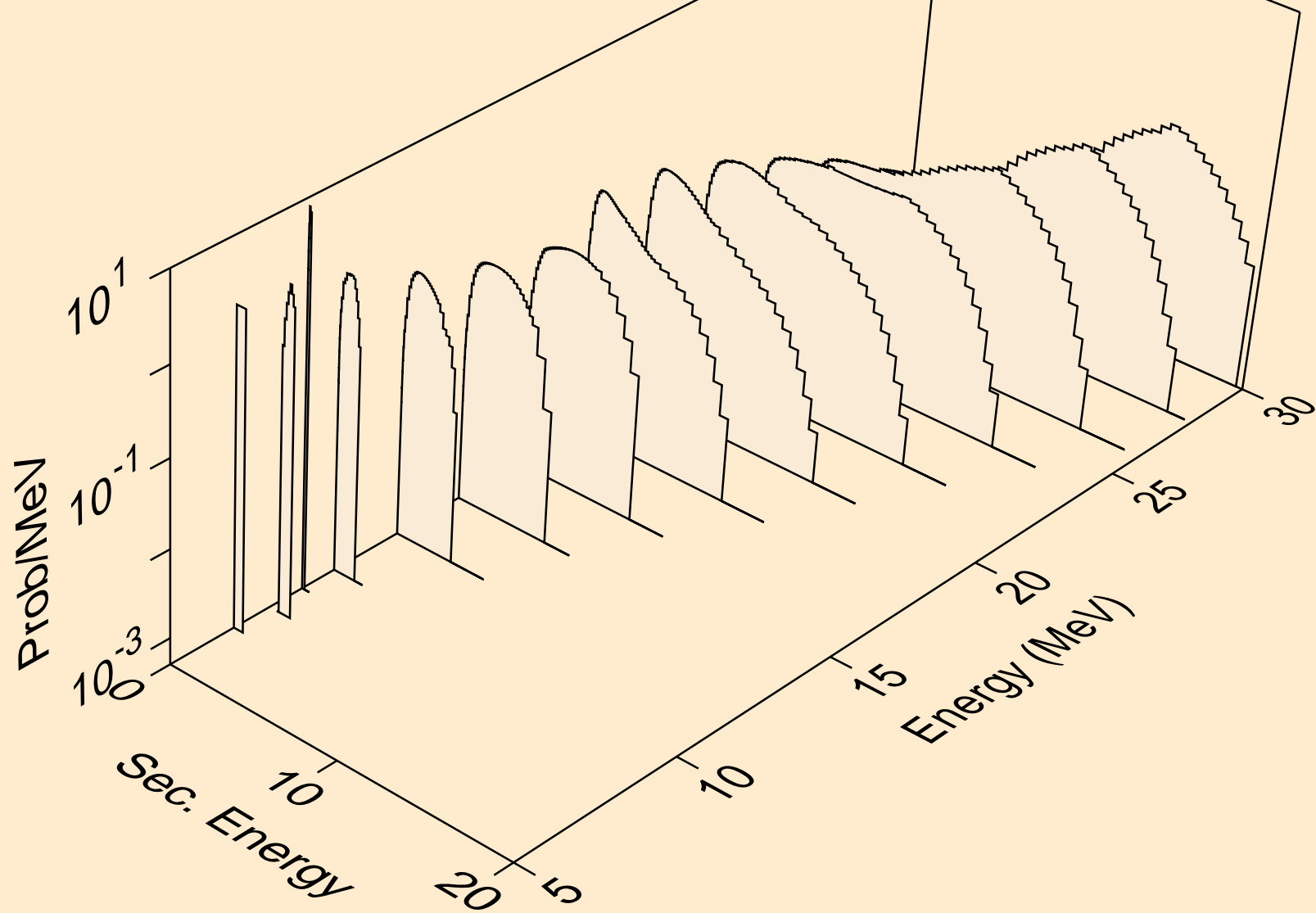
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Recoil Heating



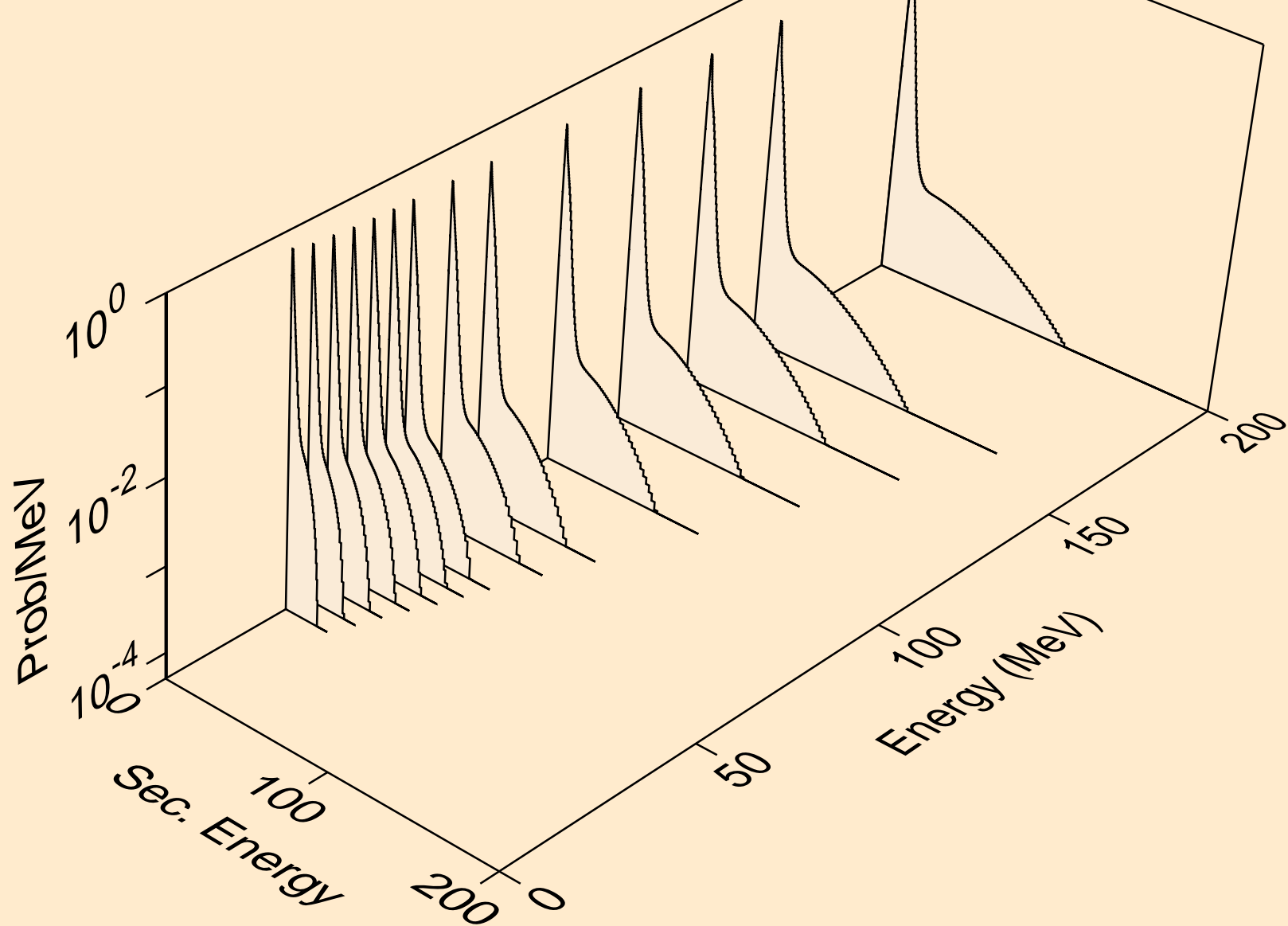
HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



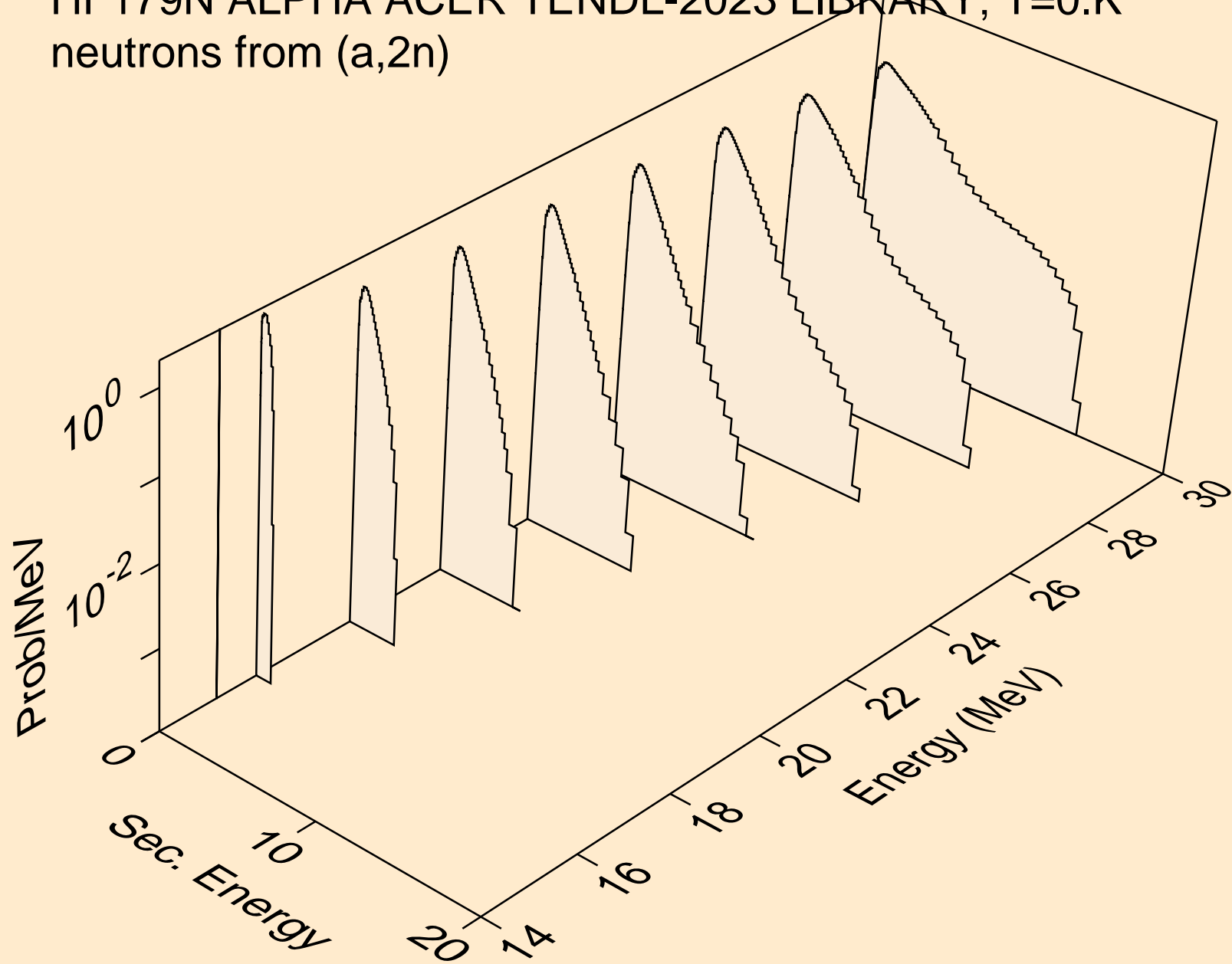
HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n)



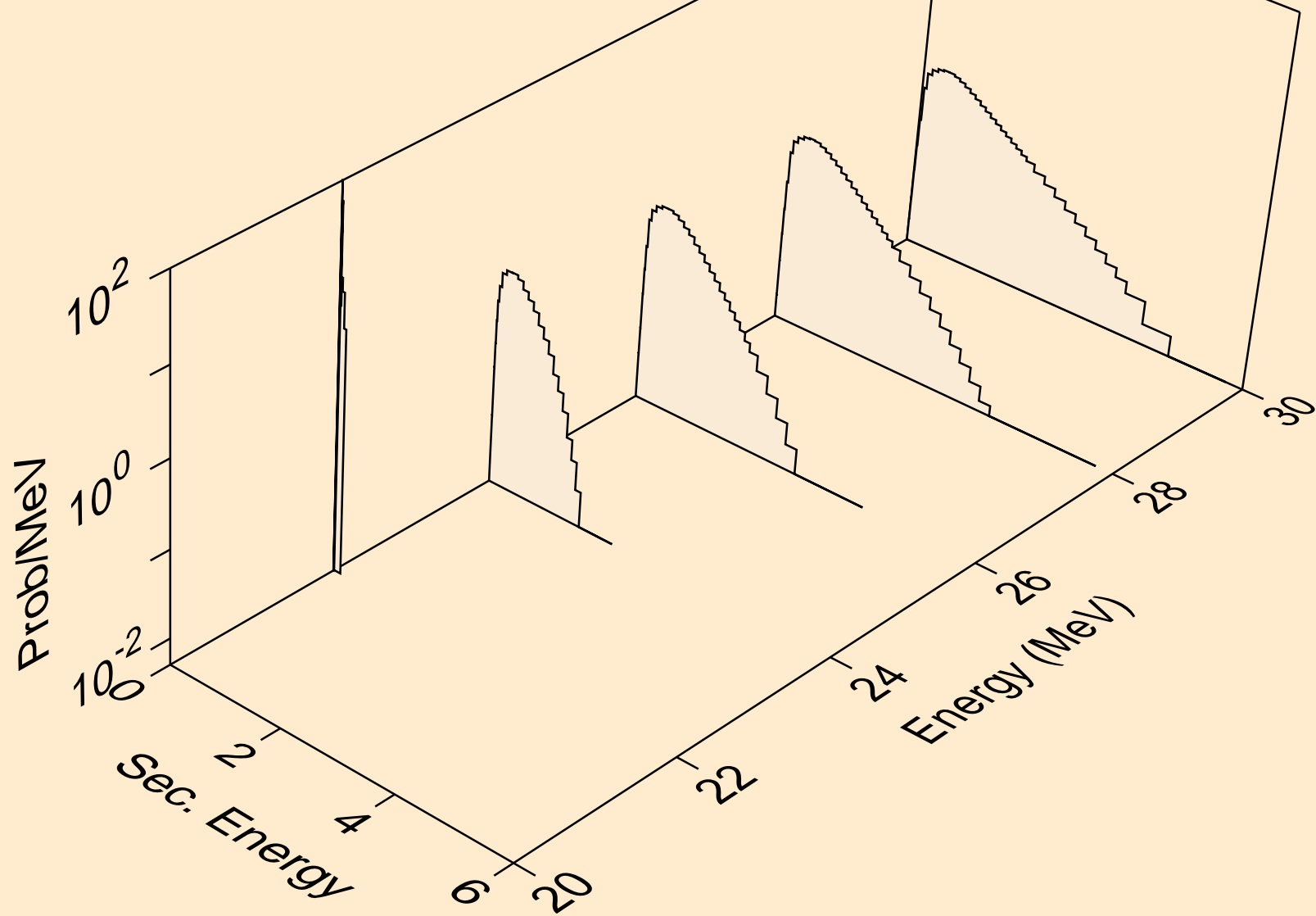
HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,x)



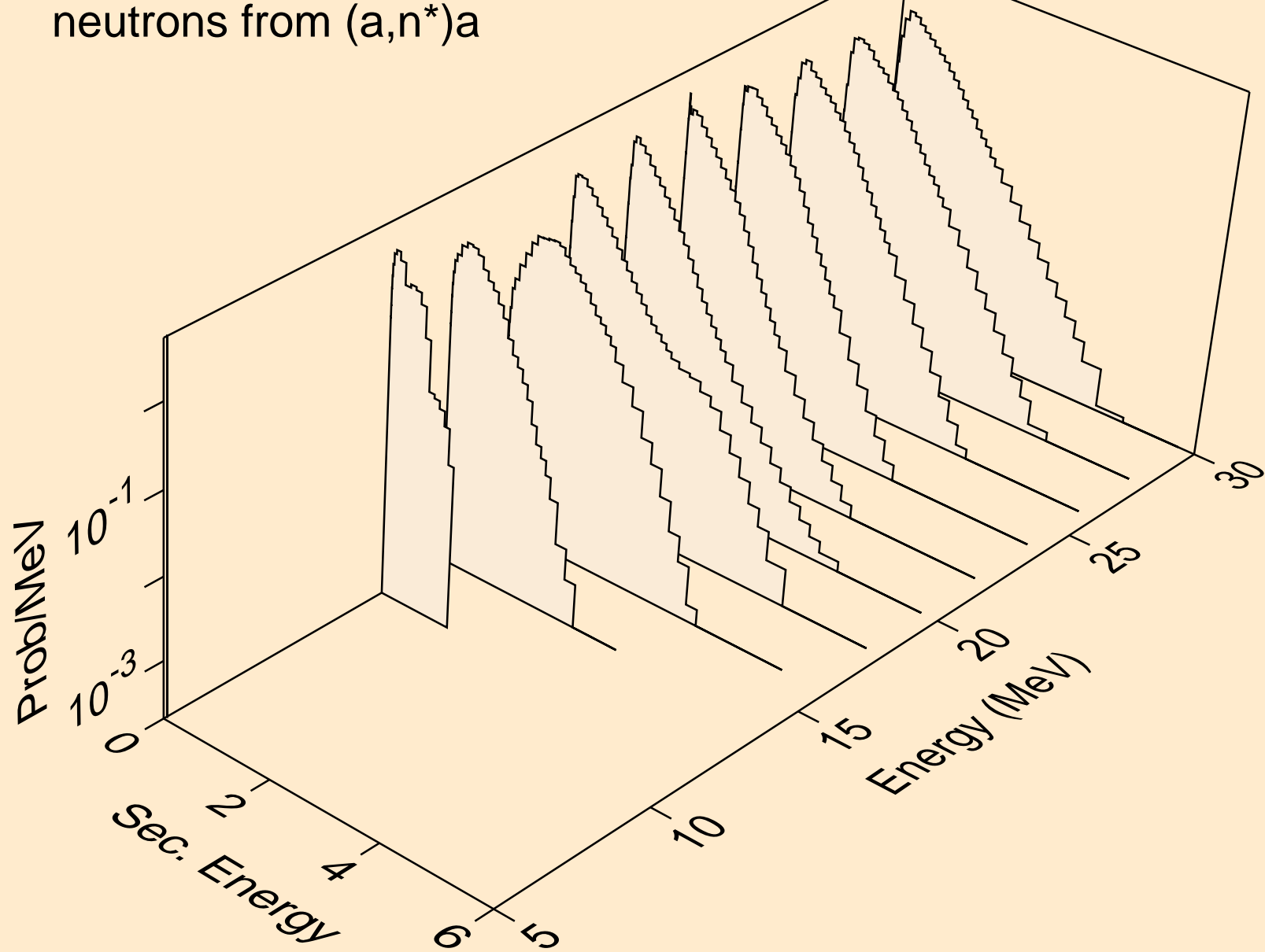
HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2n)



HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,3n)

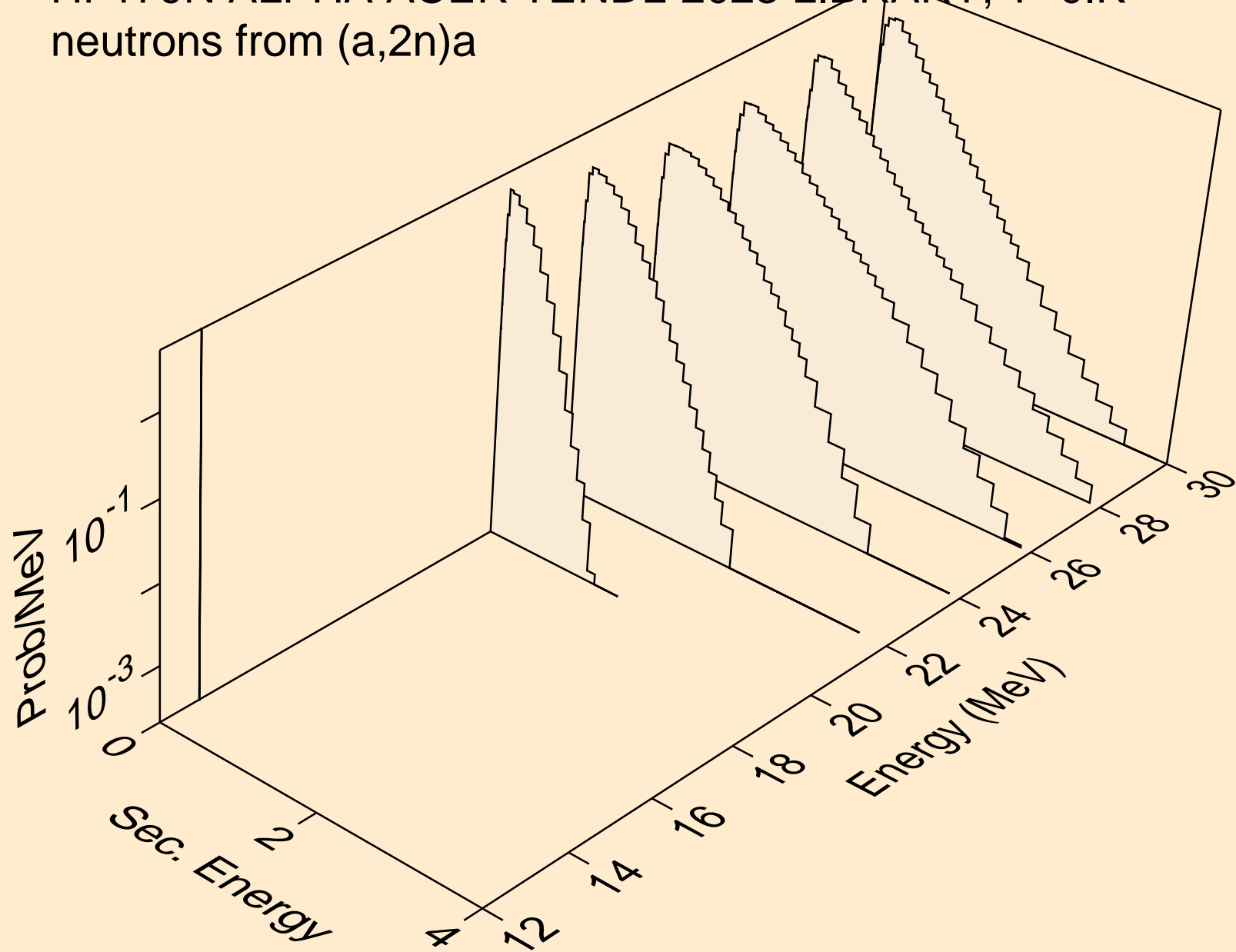


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neutrons from (a,n\*)a

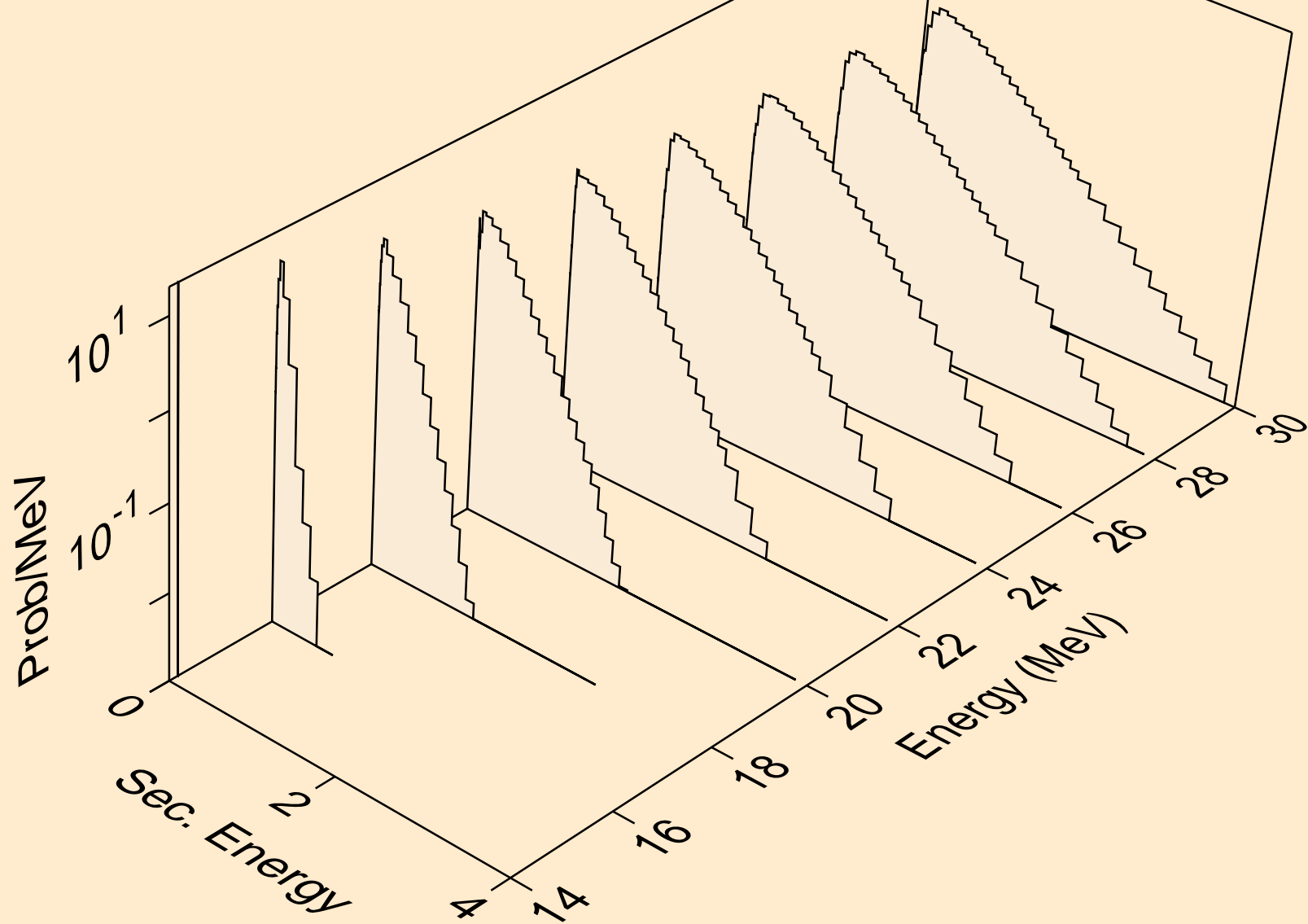




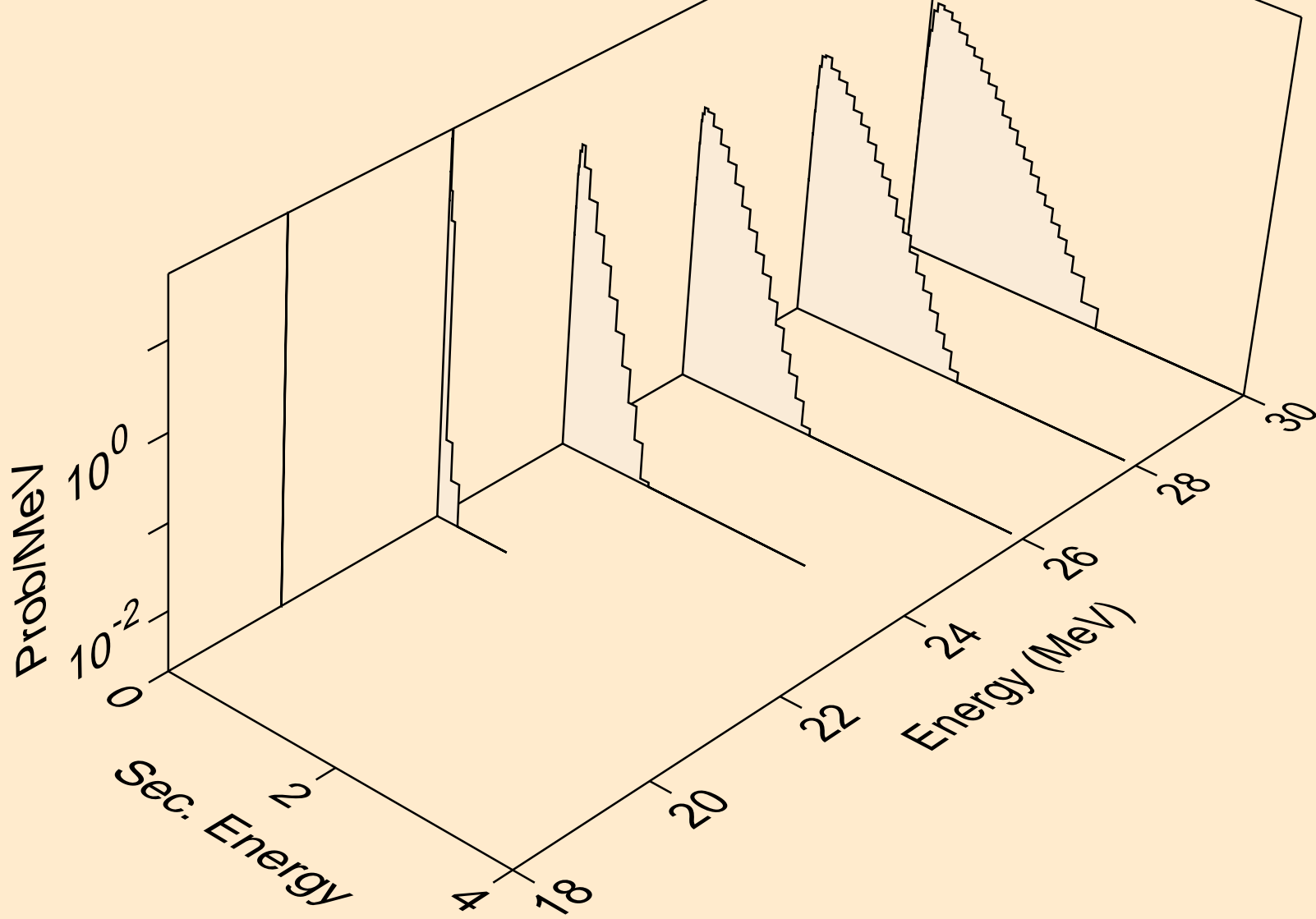
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neutrons from (a,2n)a



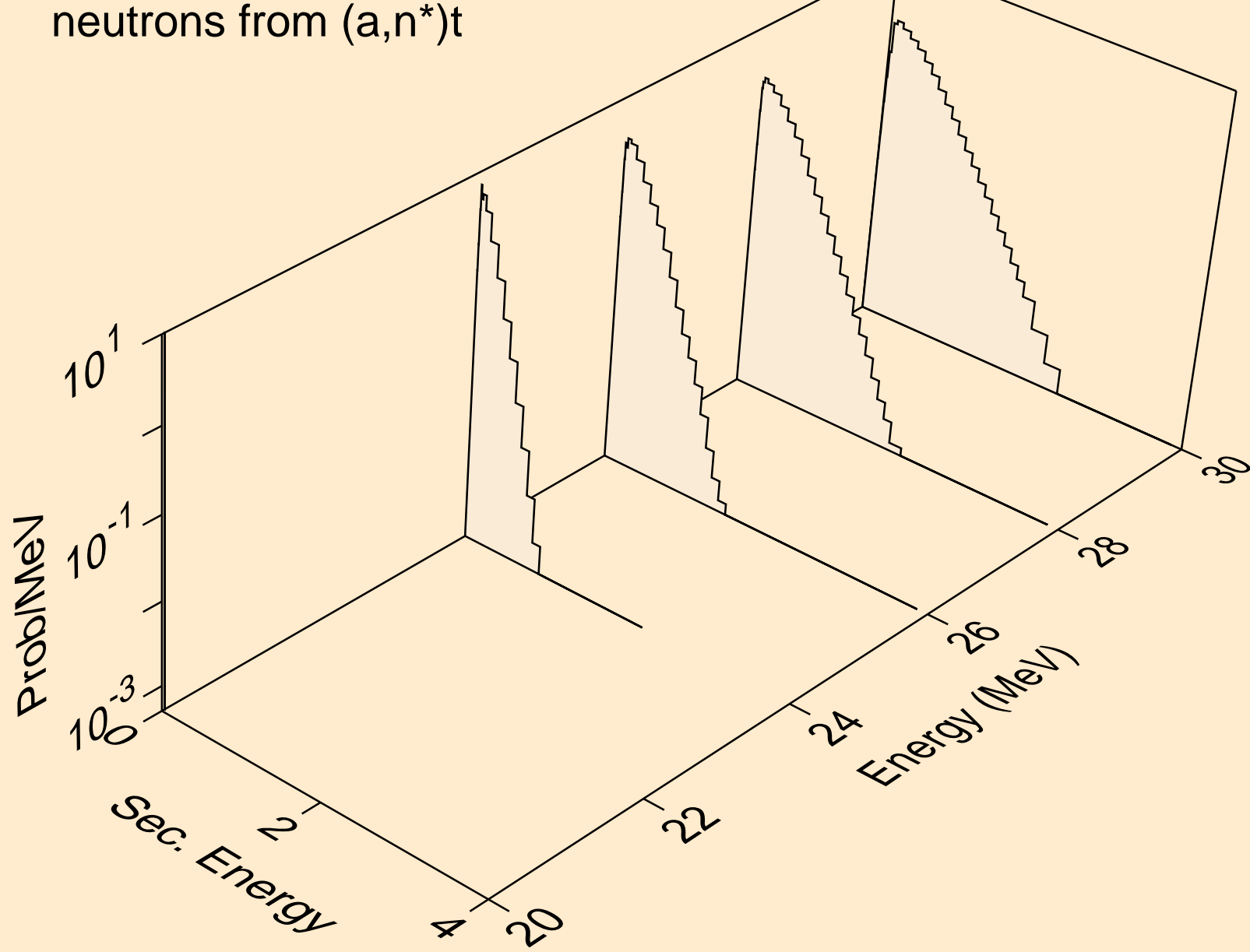
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neutrons from (a,n\*)p



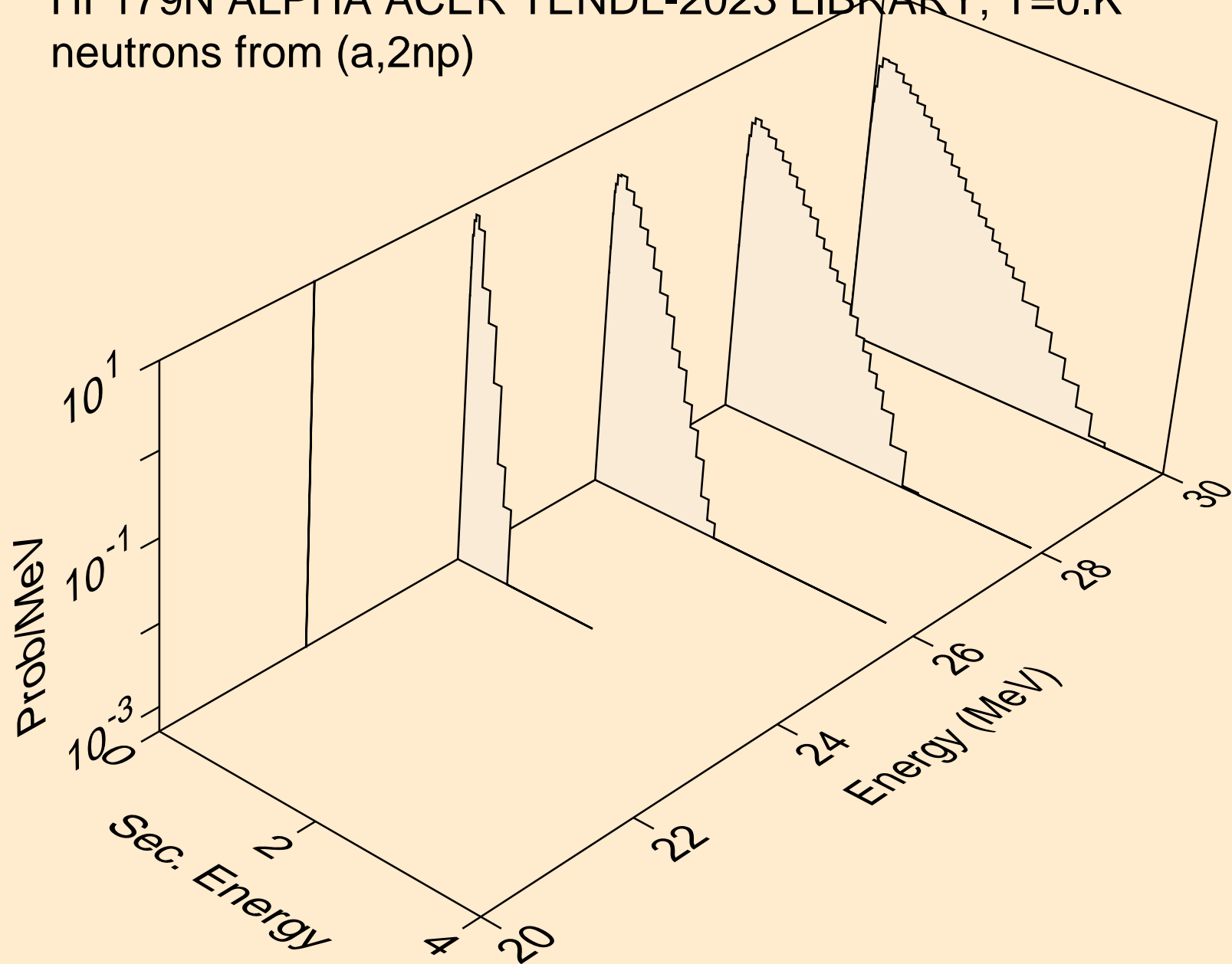
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neutrons from (a,n\*)d



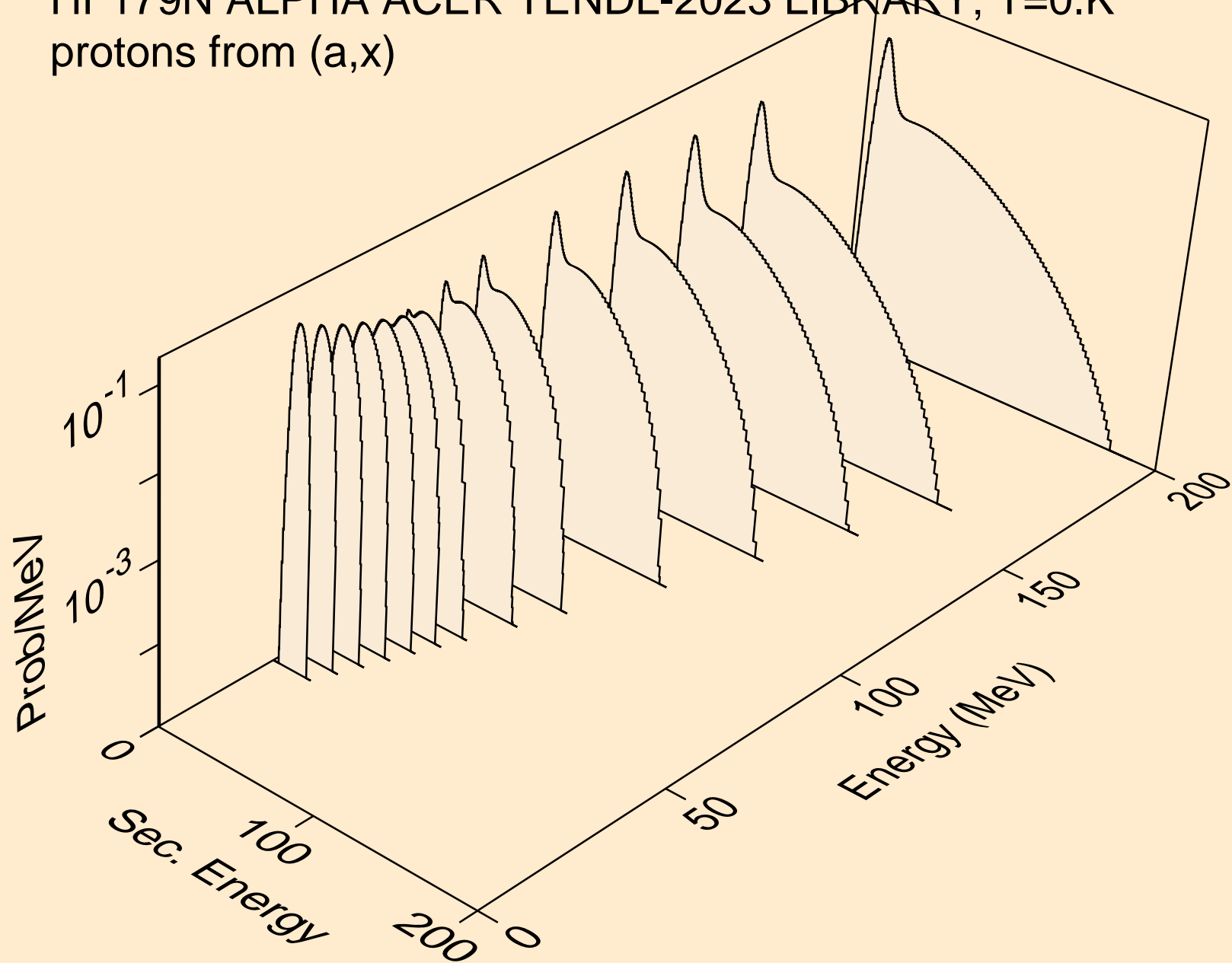
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neutrons from (a,n\*)t



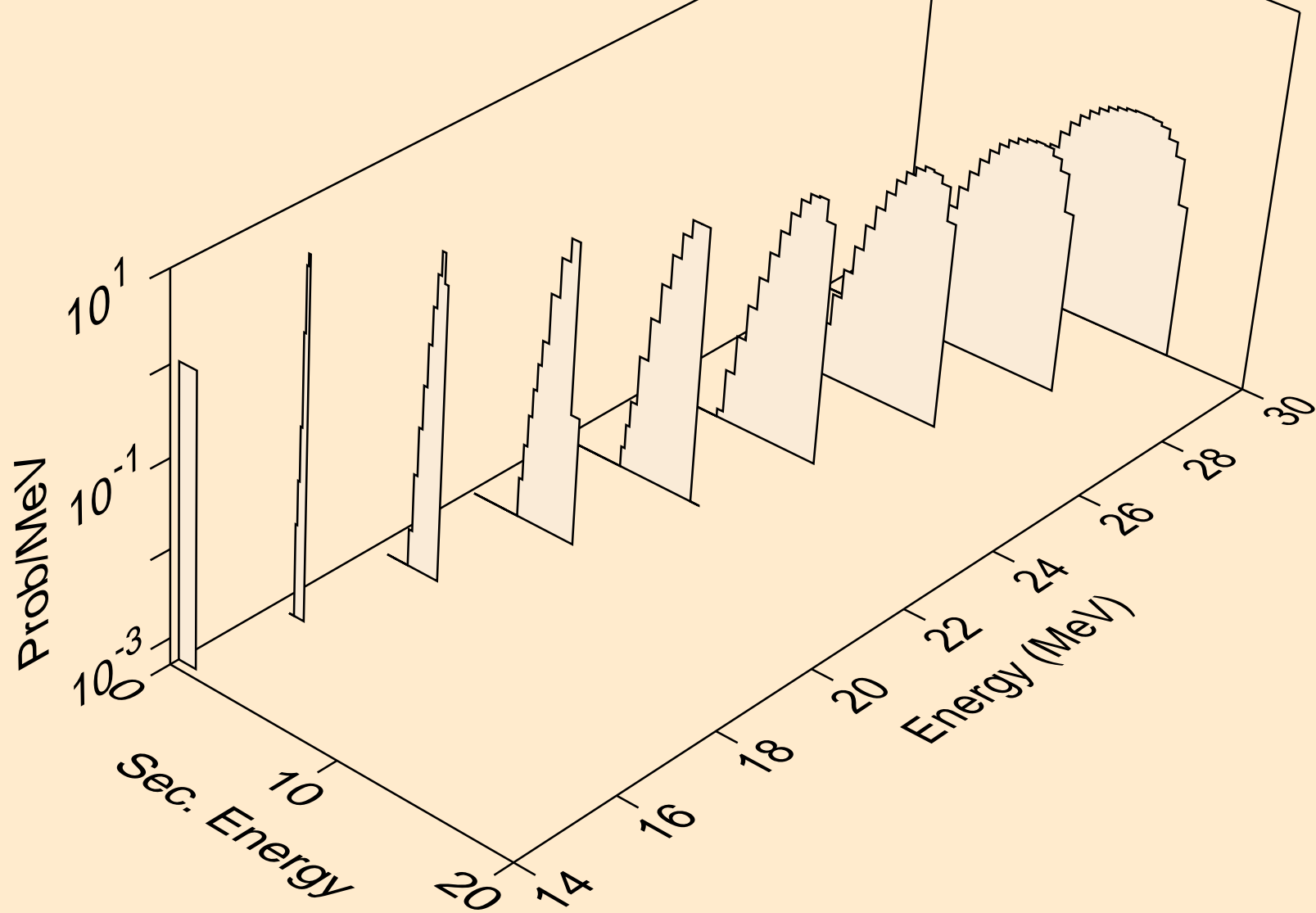
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neutrons from (a,2np)



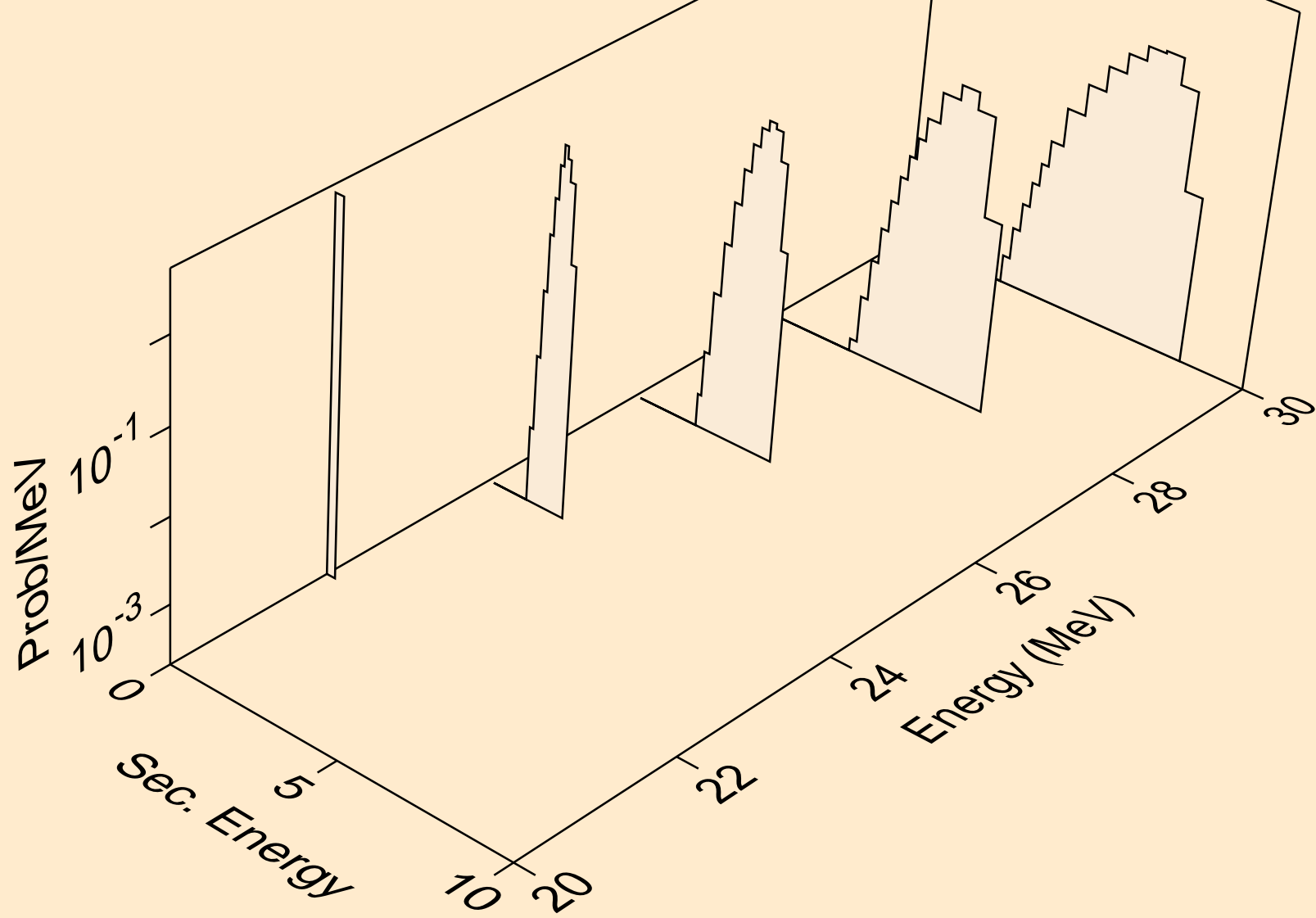
HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,x)



HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,n\*)p

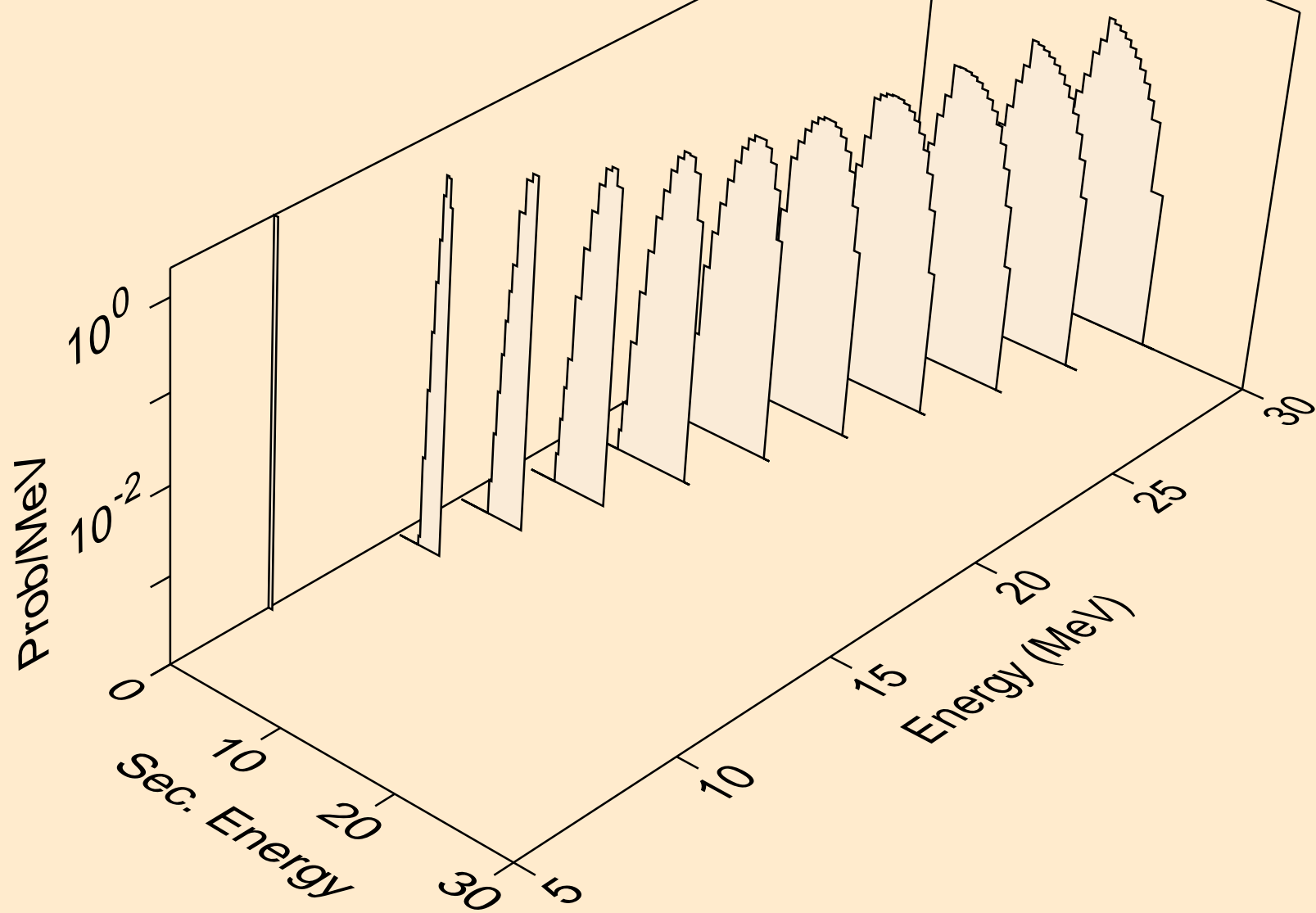


HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,2np)

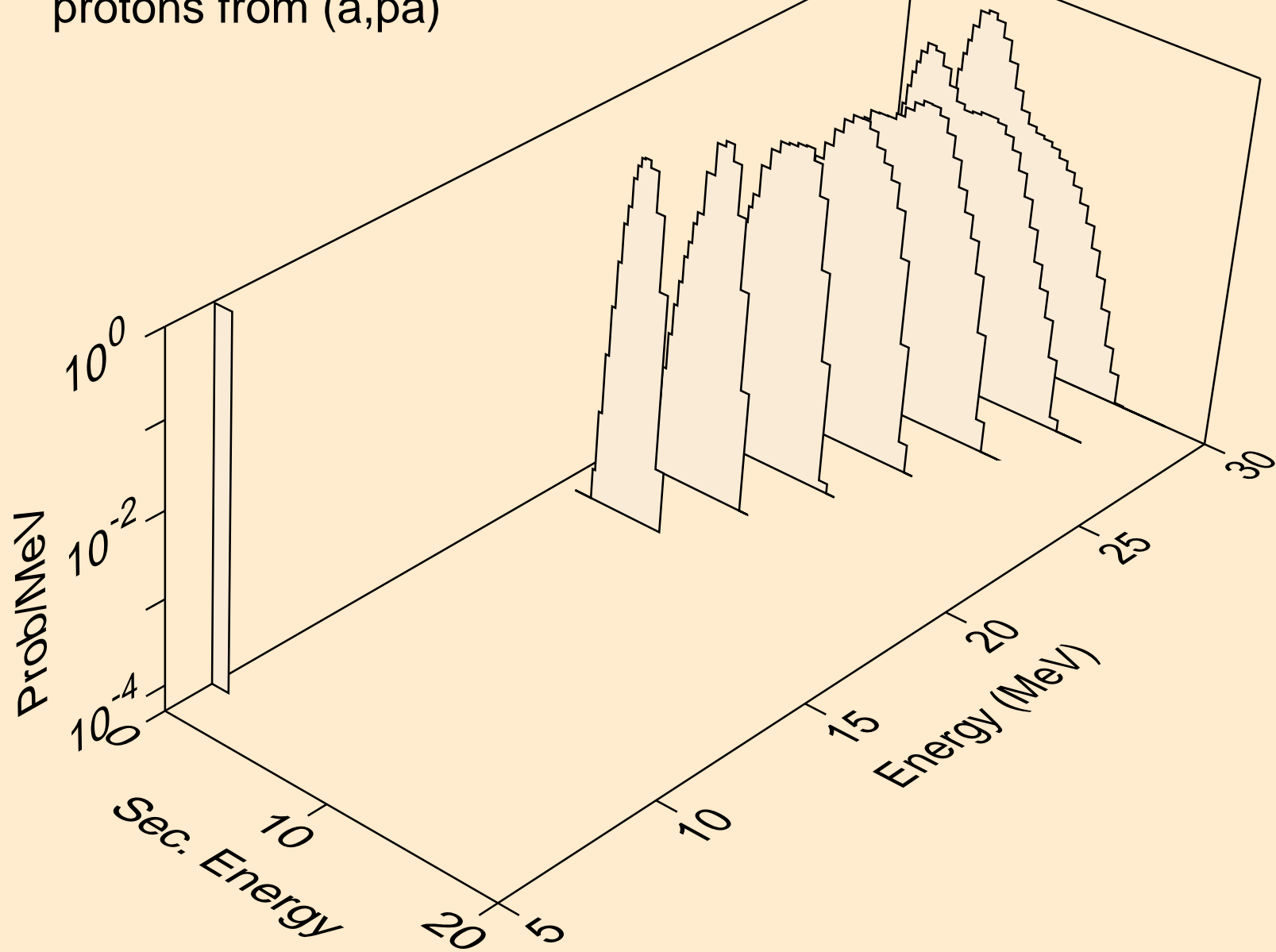




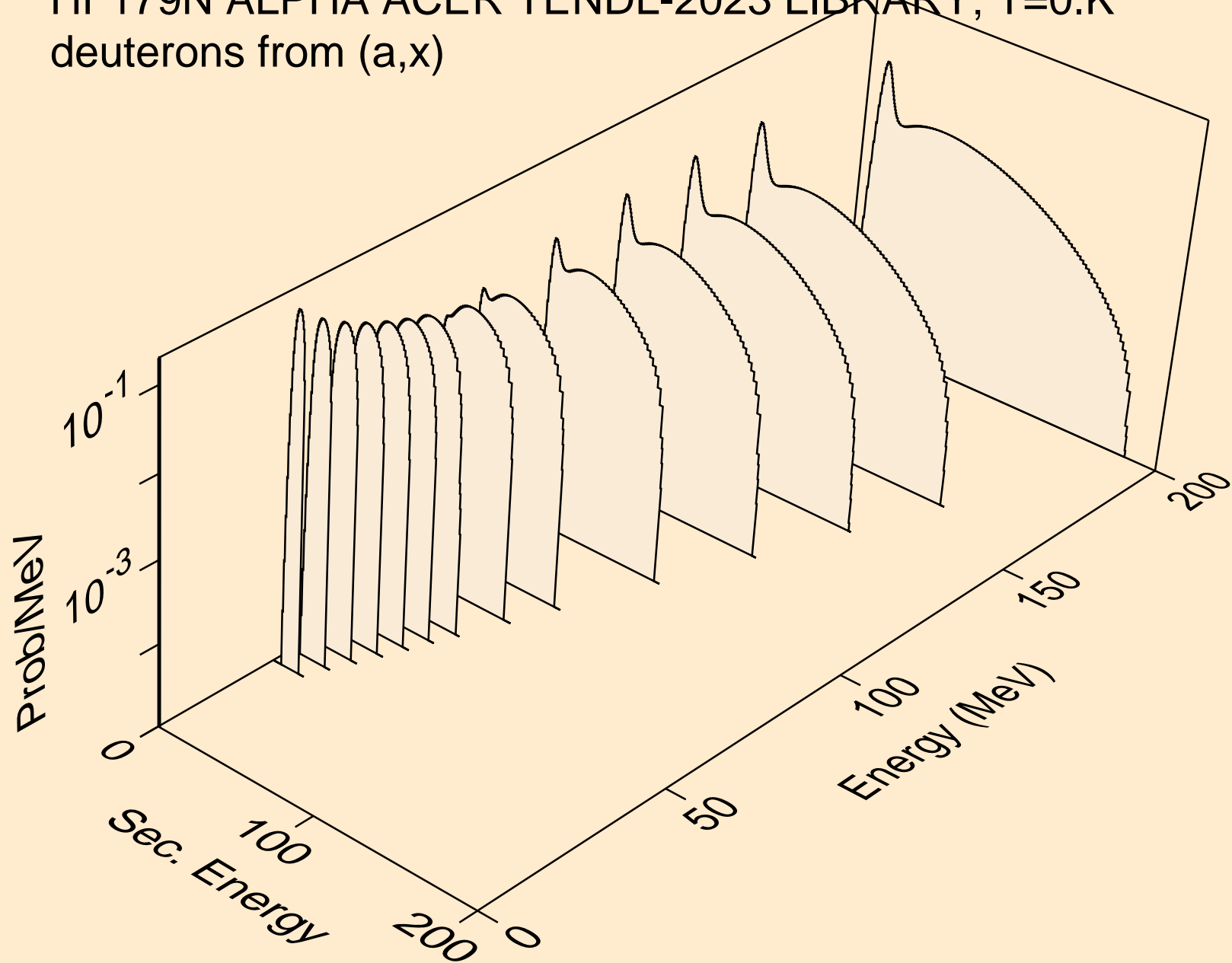
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protons from (a,p)



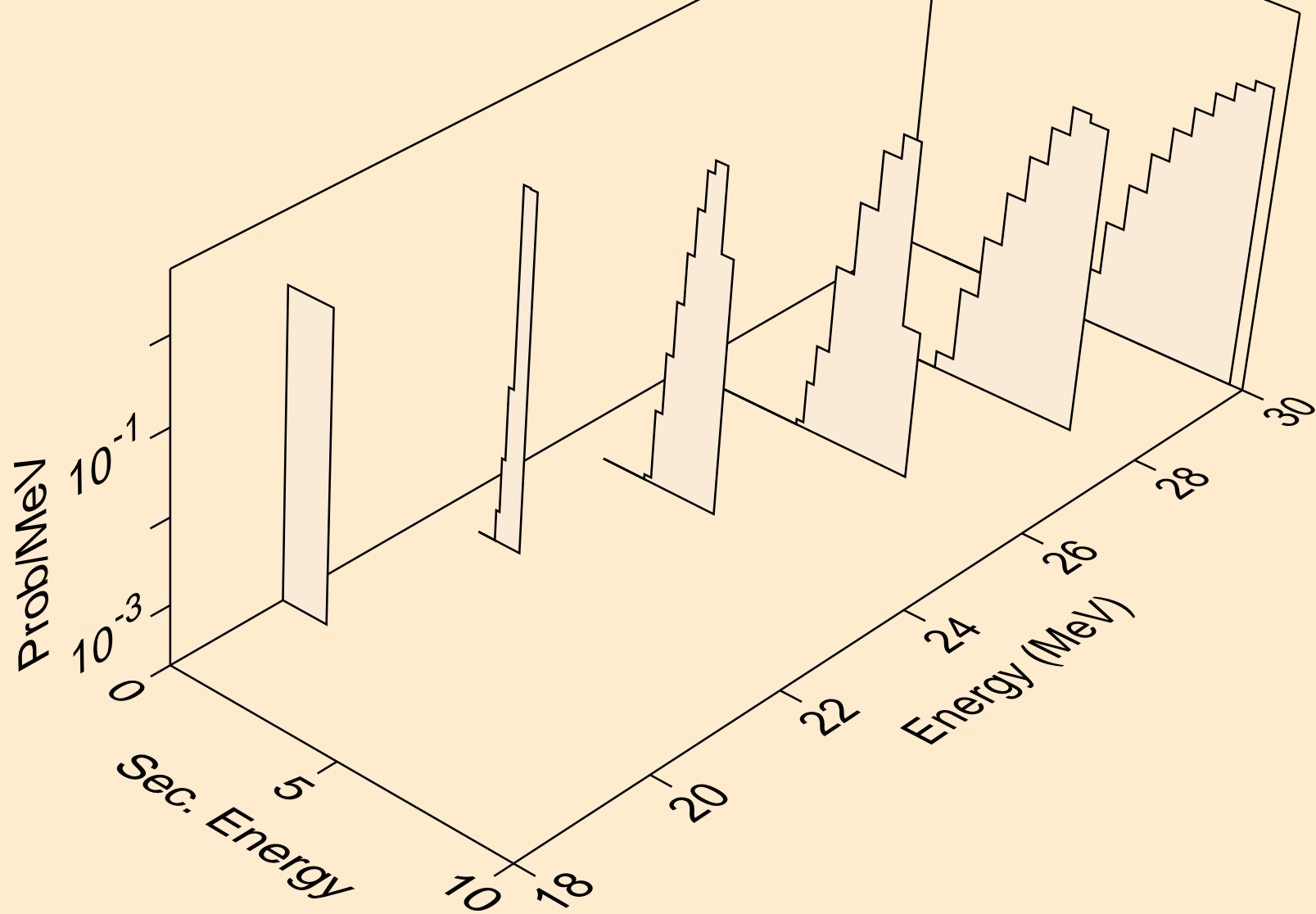
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protons from (a,pa)



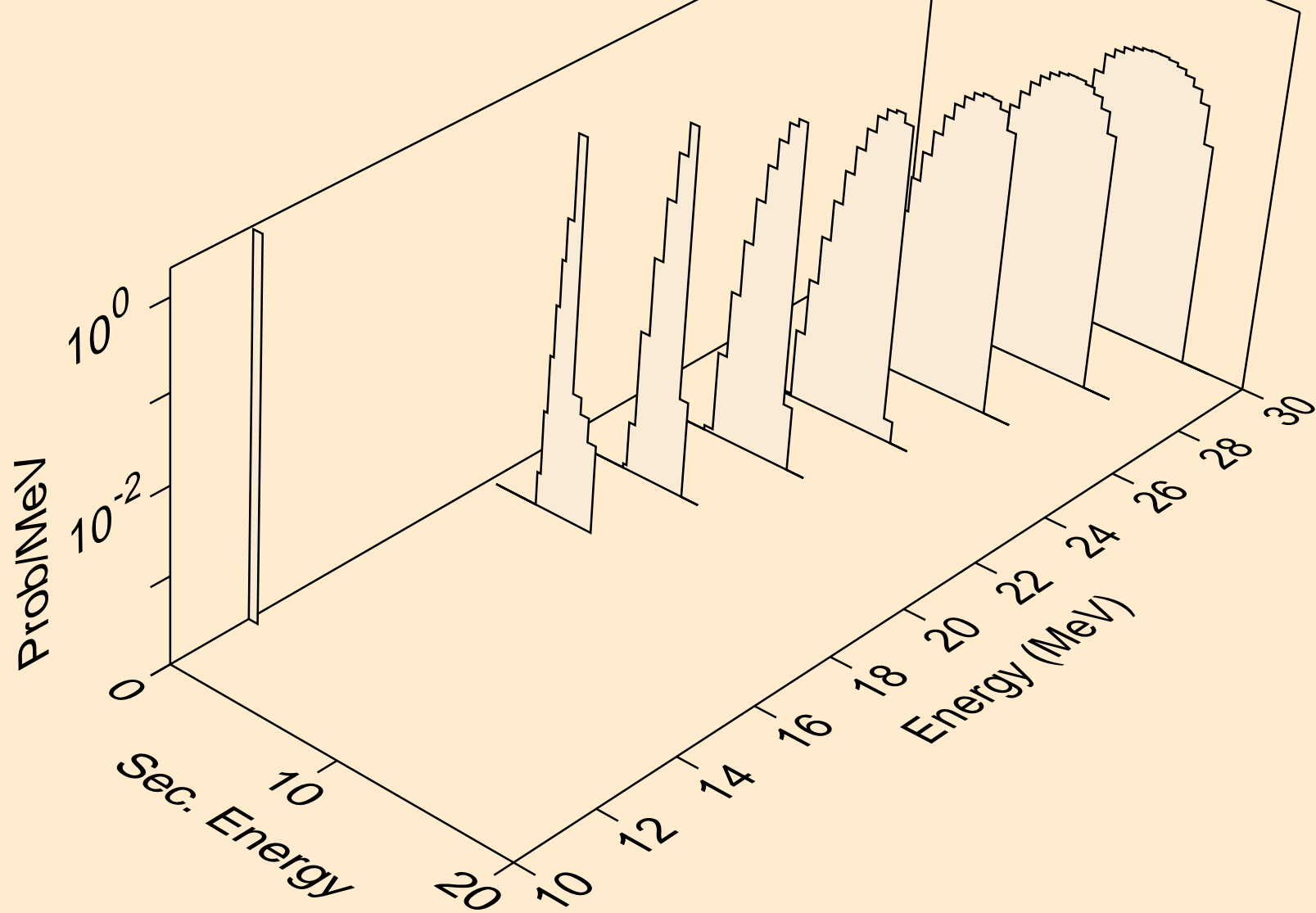
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deuterons from (a,x)



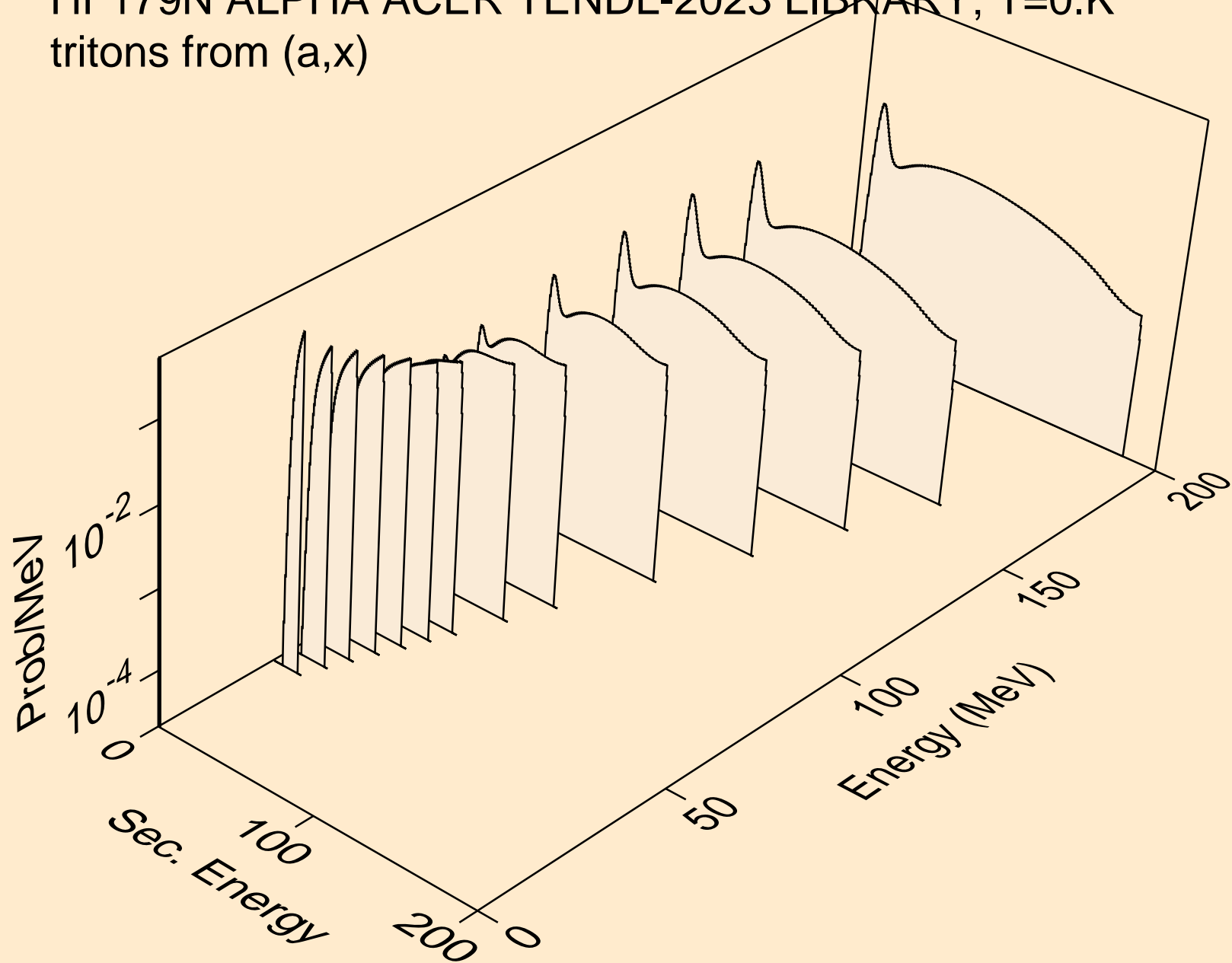
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deuterons from (a,n\*)d



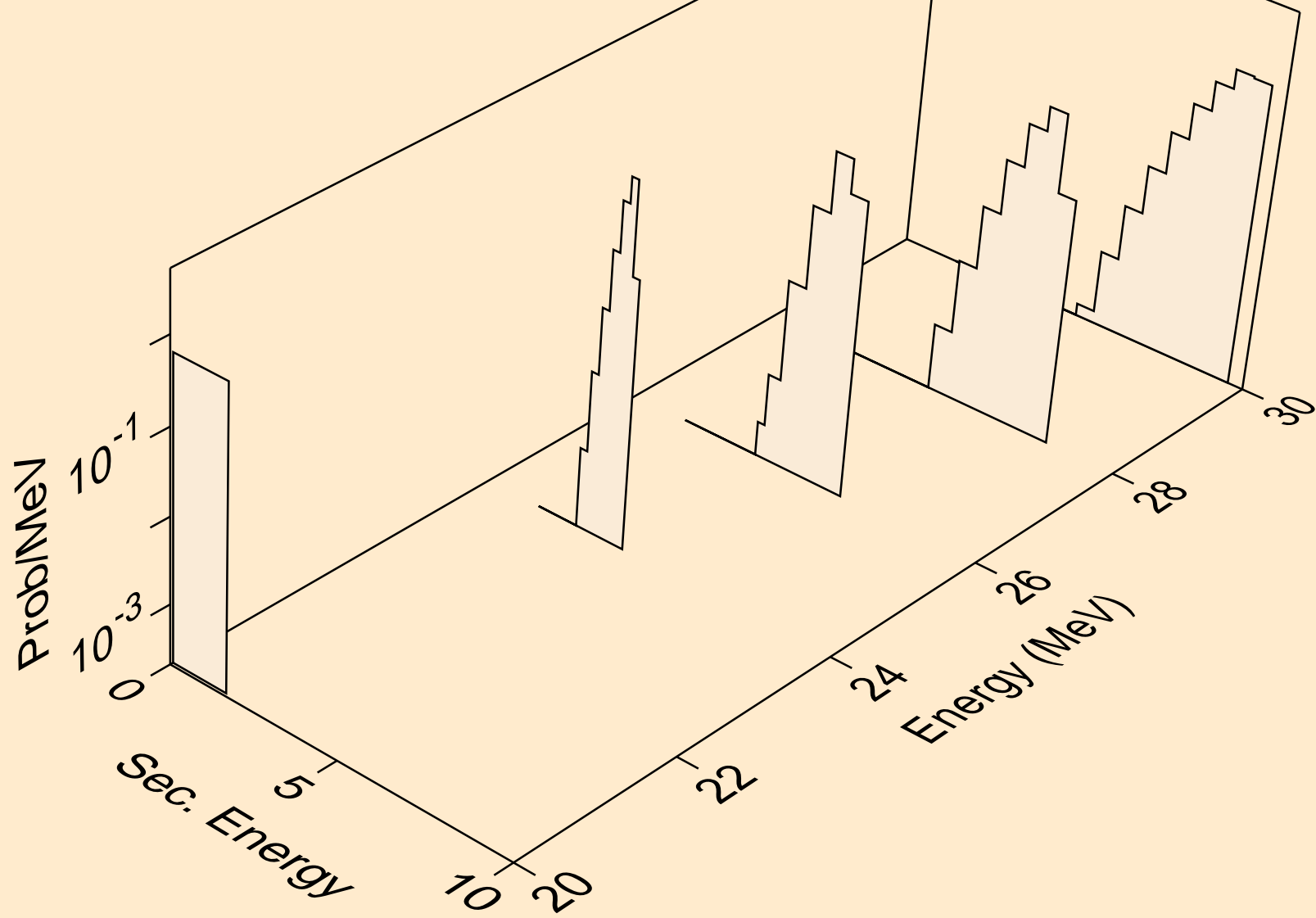
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deuterons from (a,d)



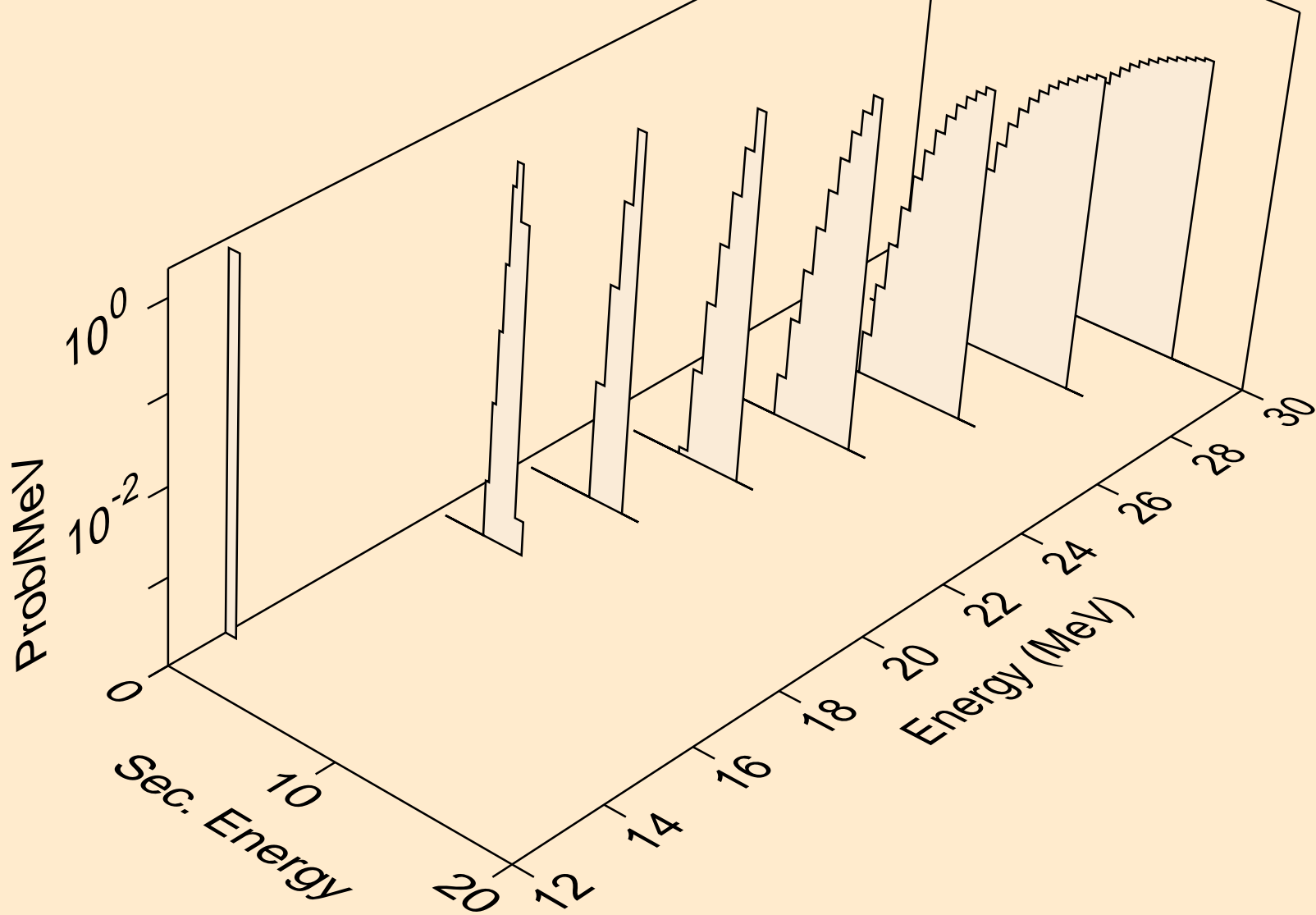
HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,x)



HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,n\*)t

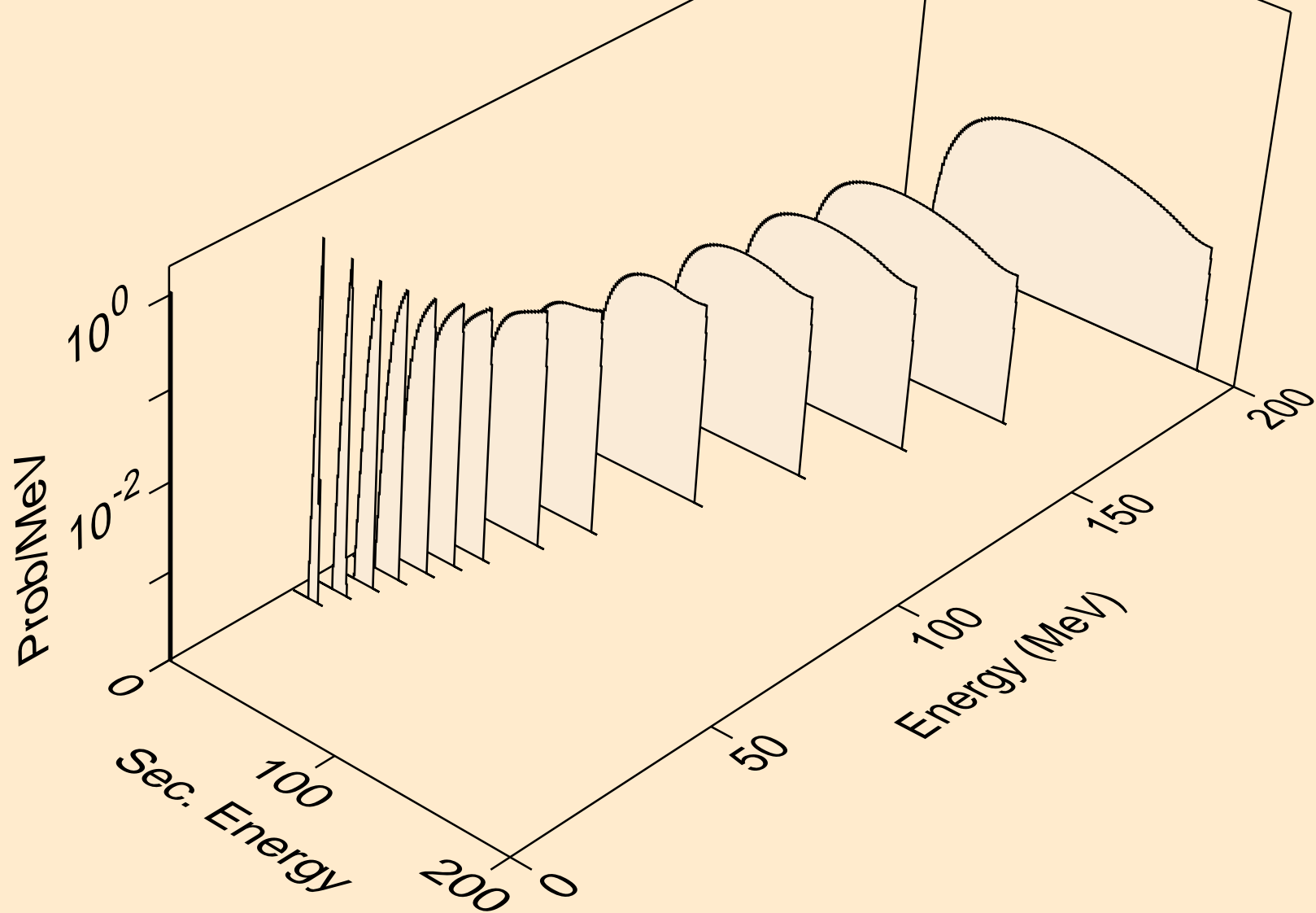


HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,t)





HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,x)



HF179N ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,he3)

