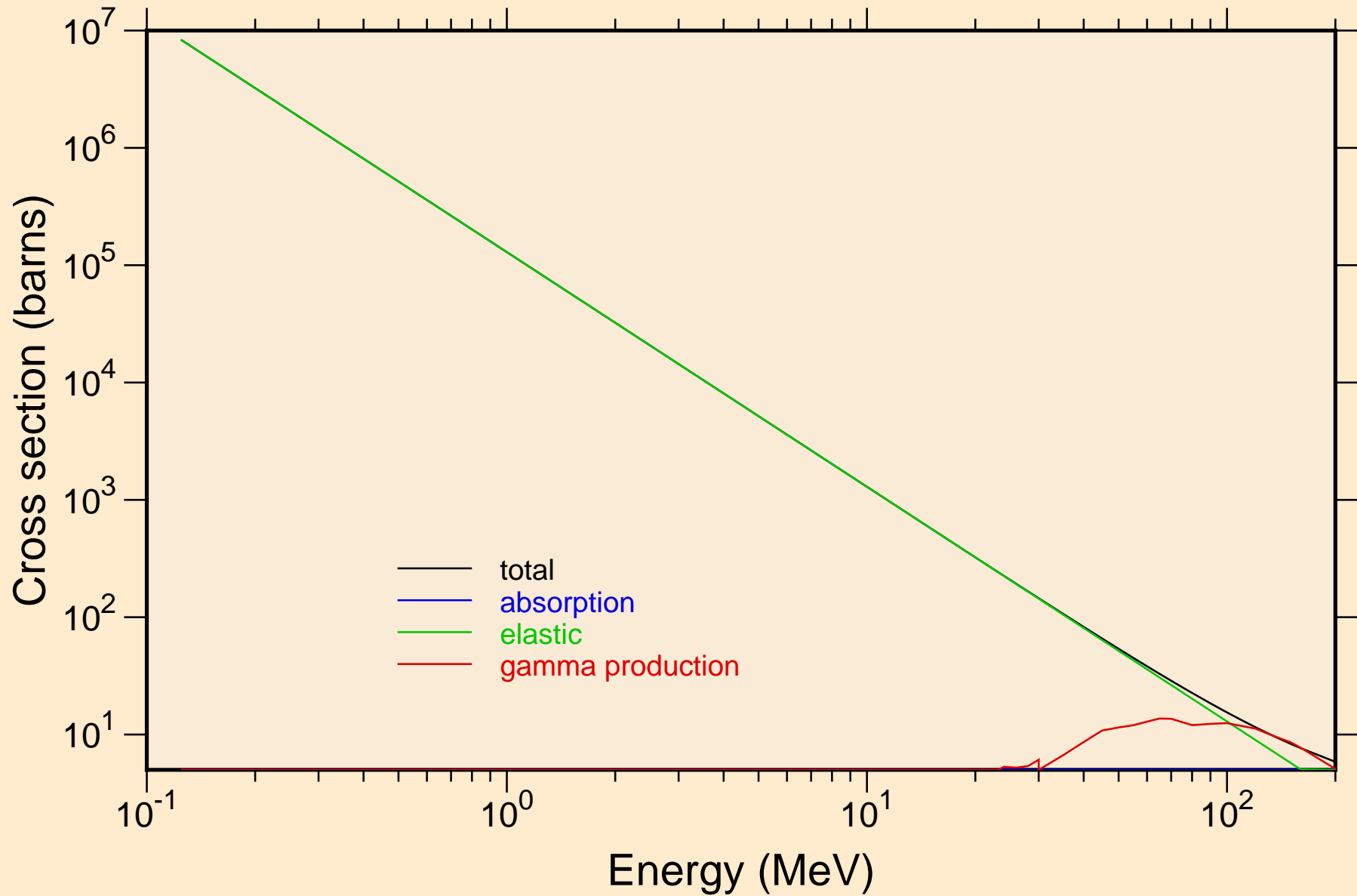
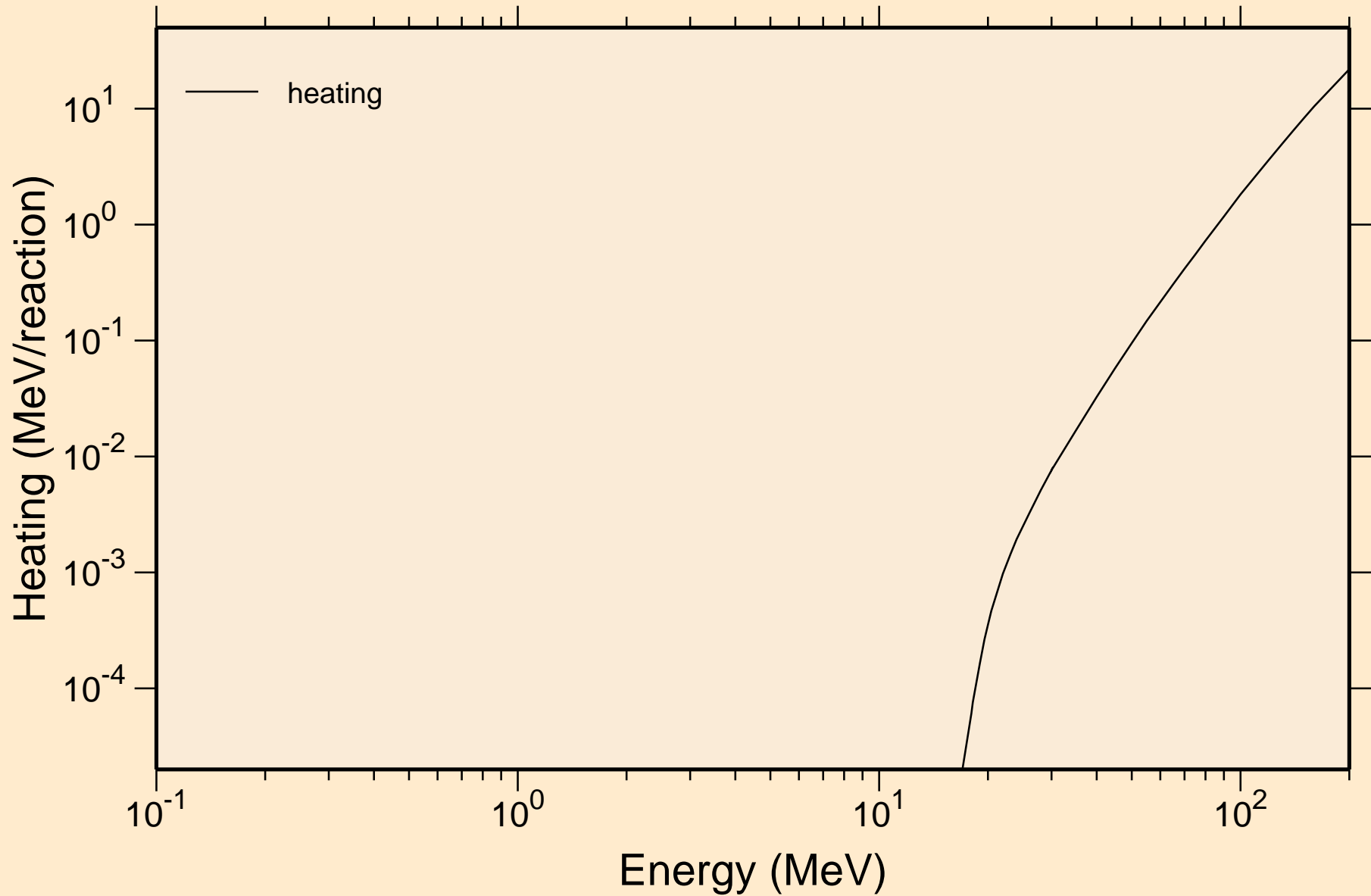


LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



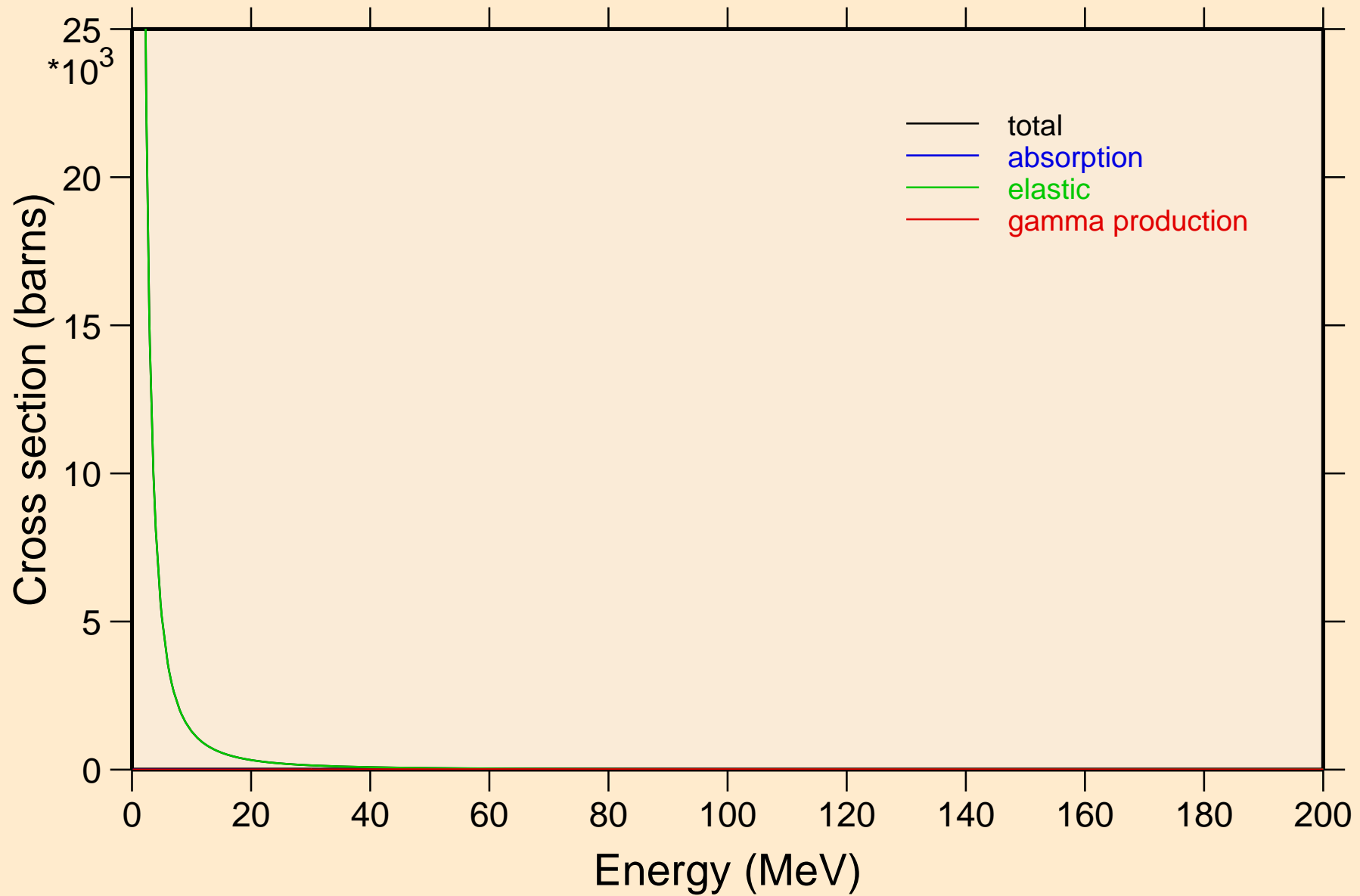
LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Heating



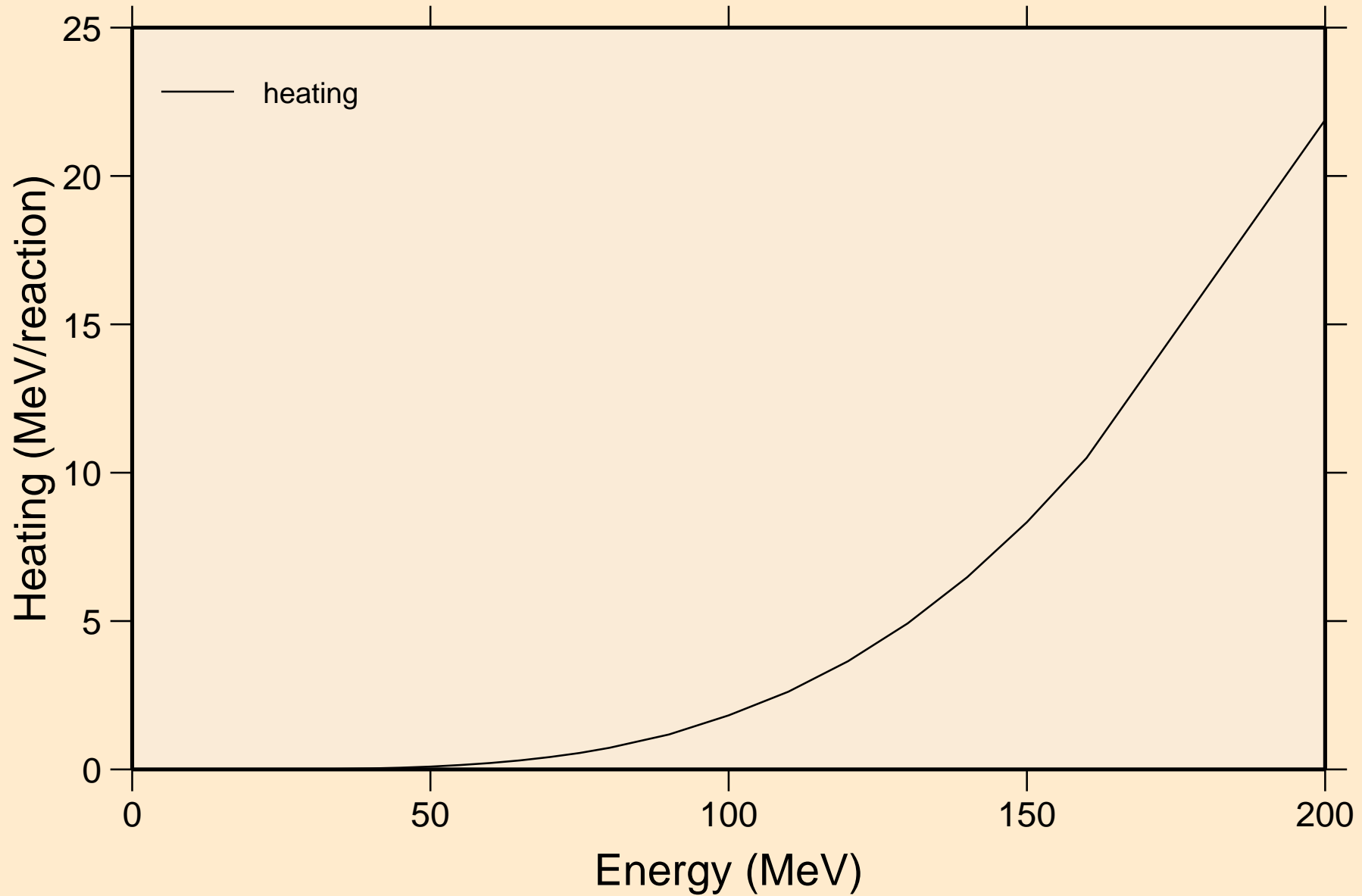
# LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

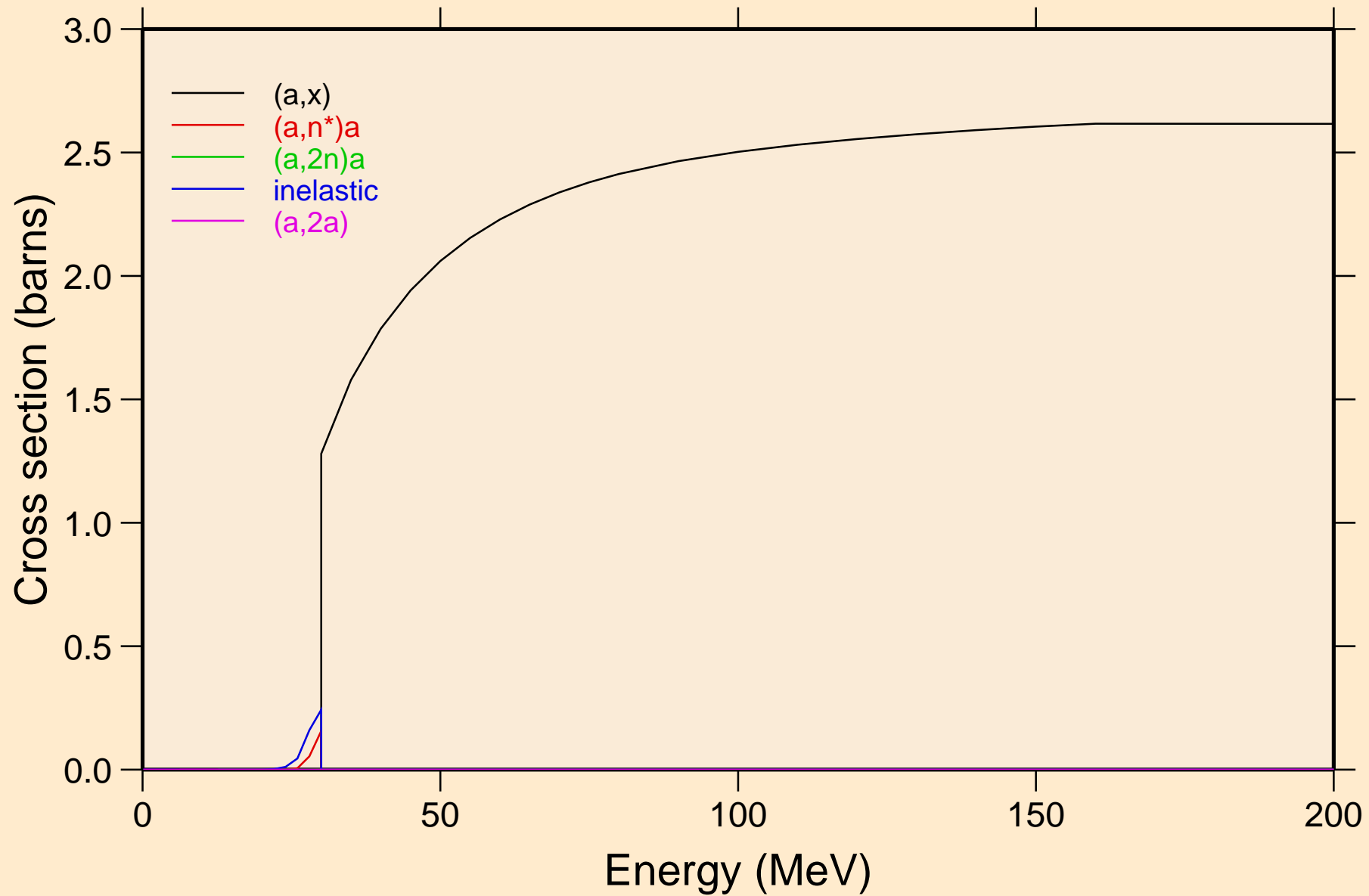


LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

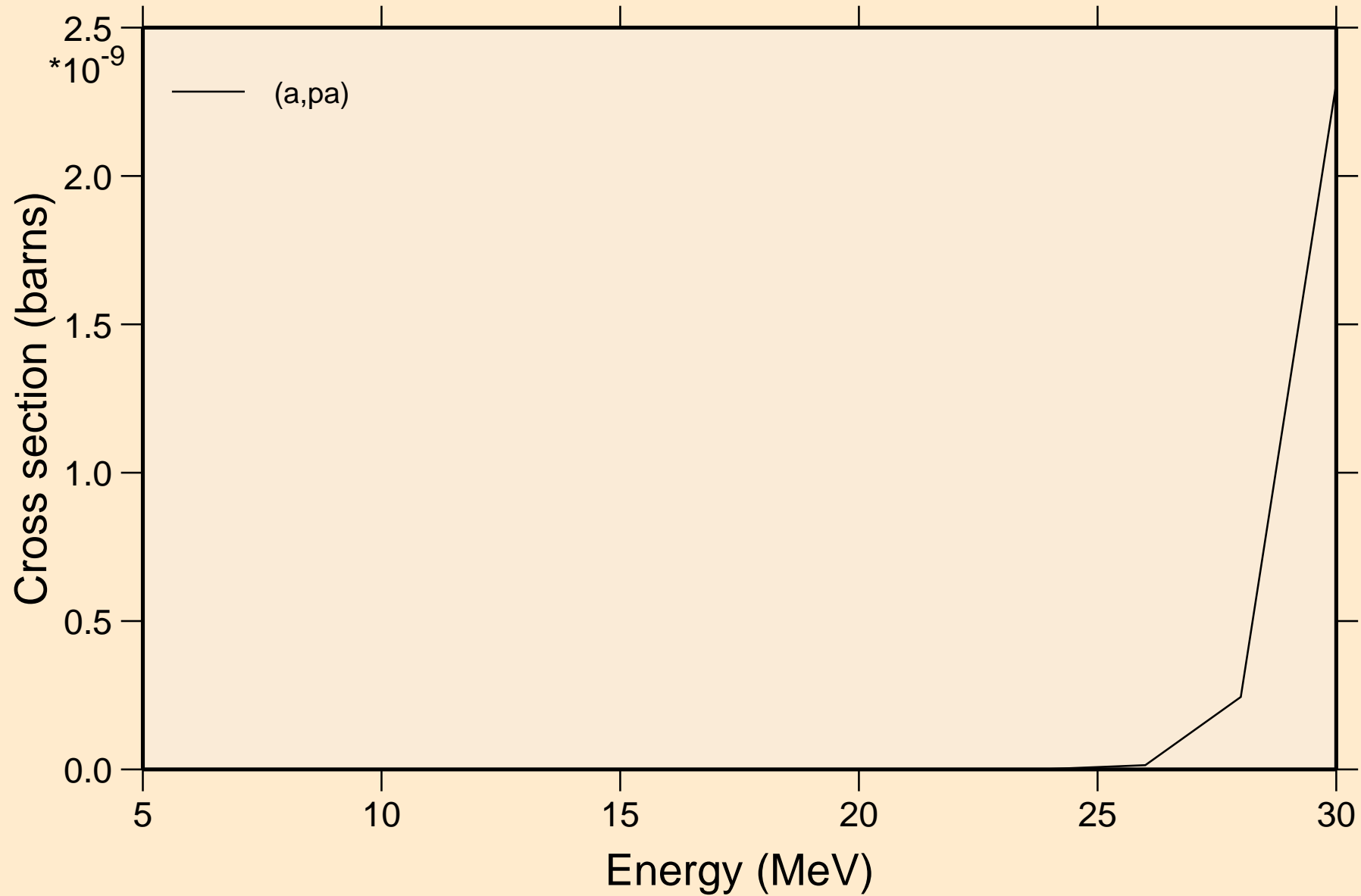
Heating



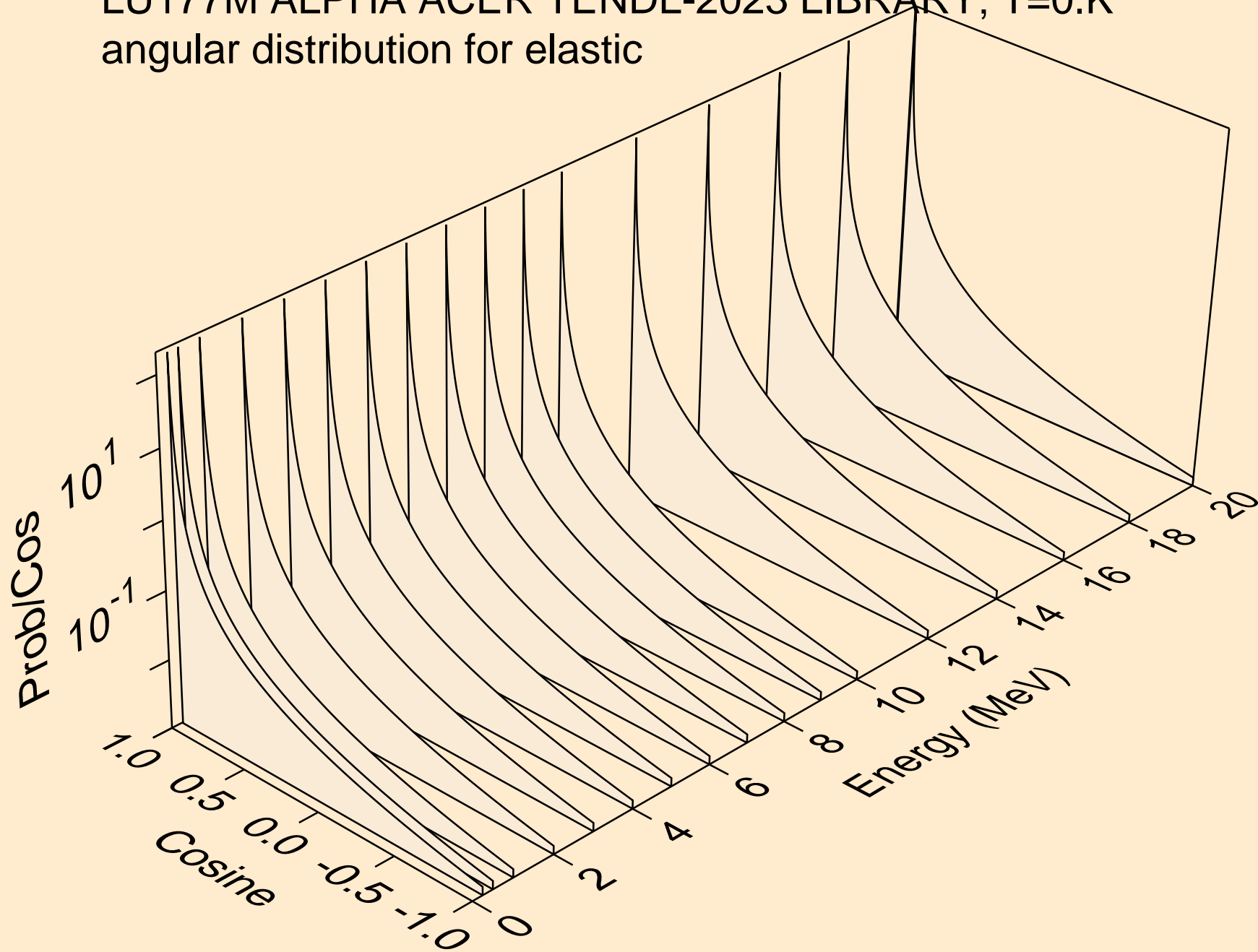
LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



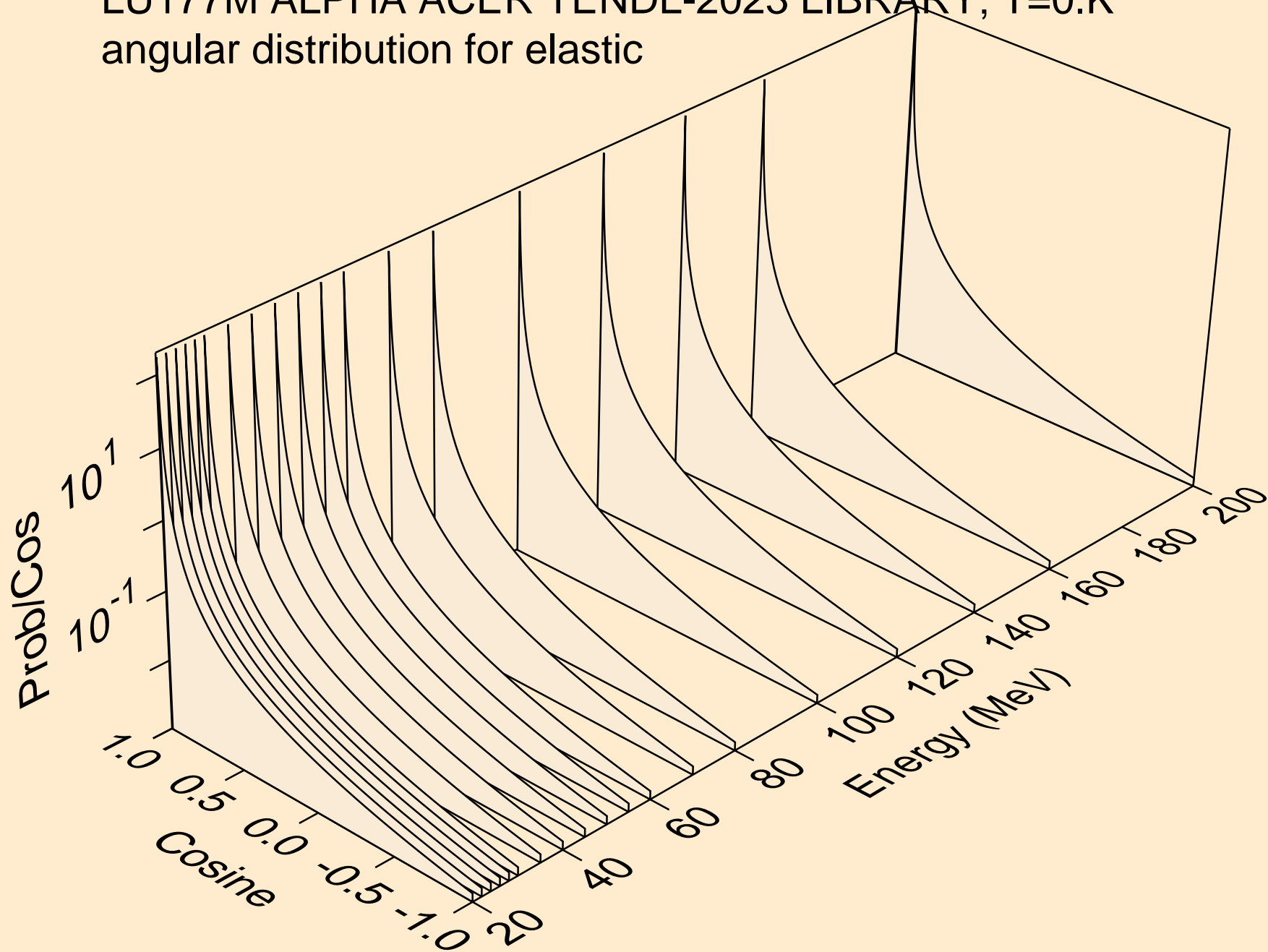
LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

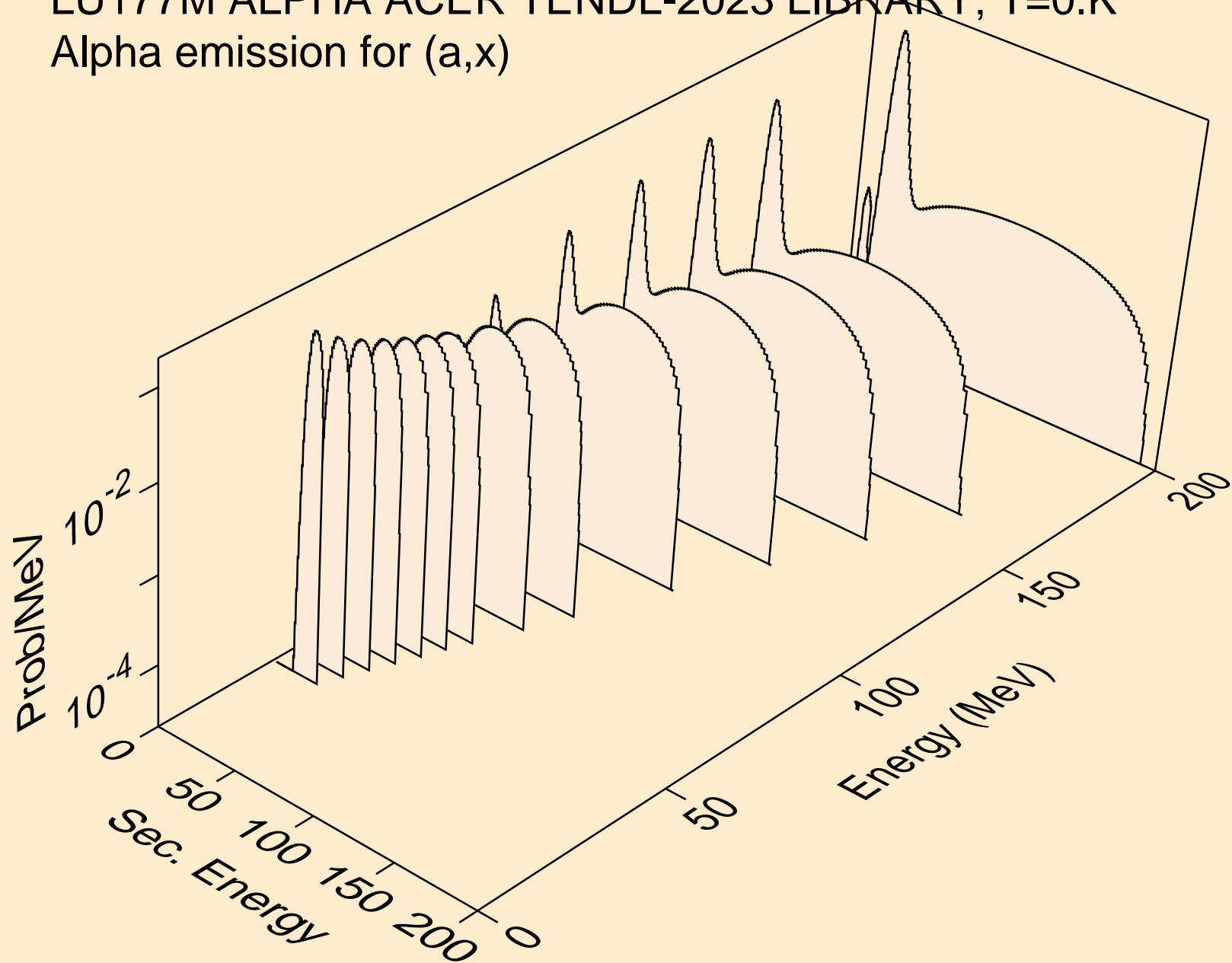


LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

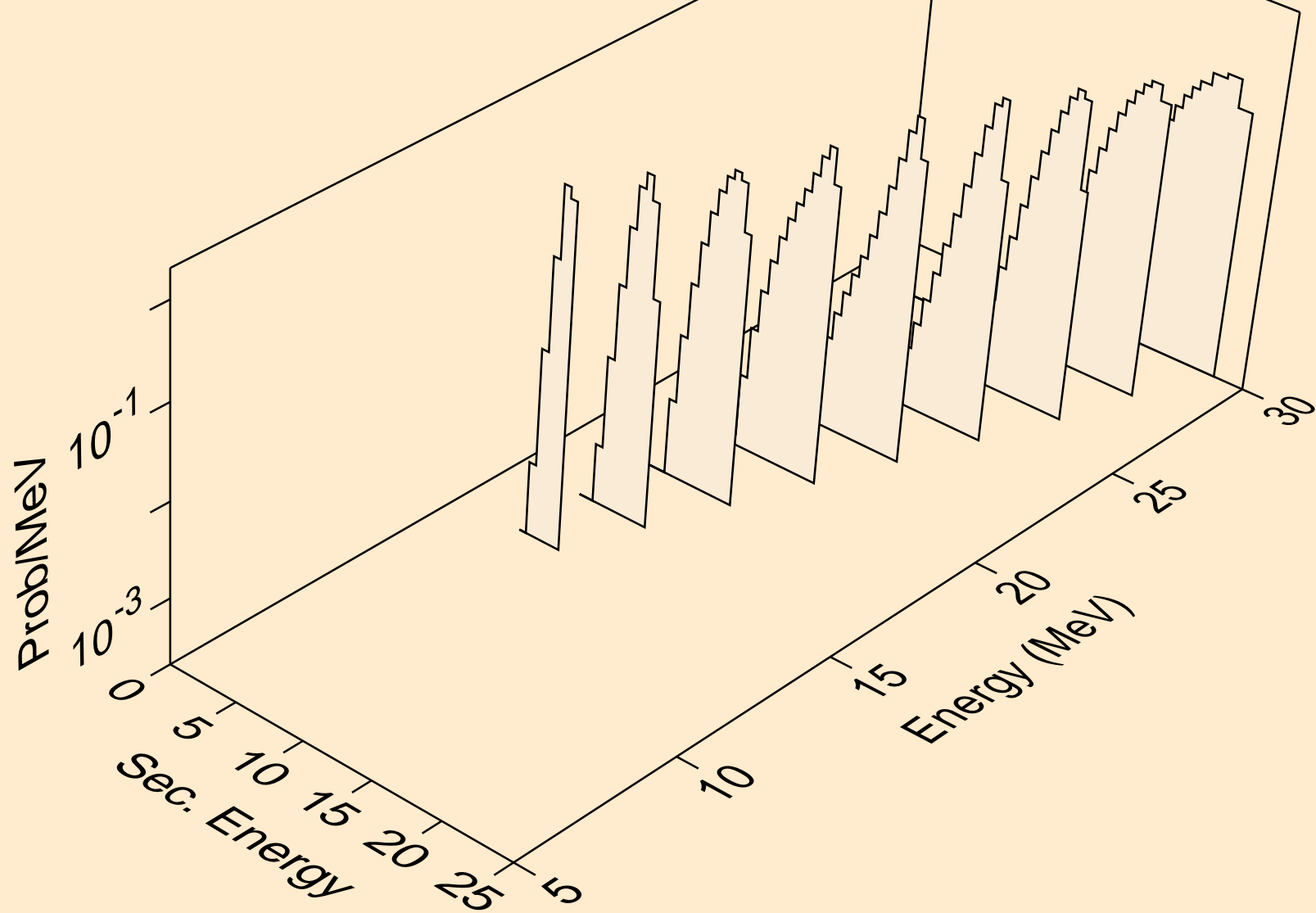




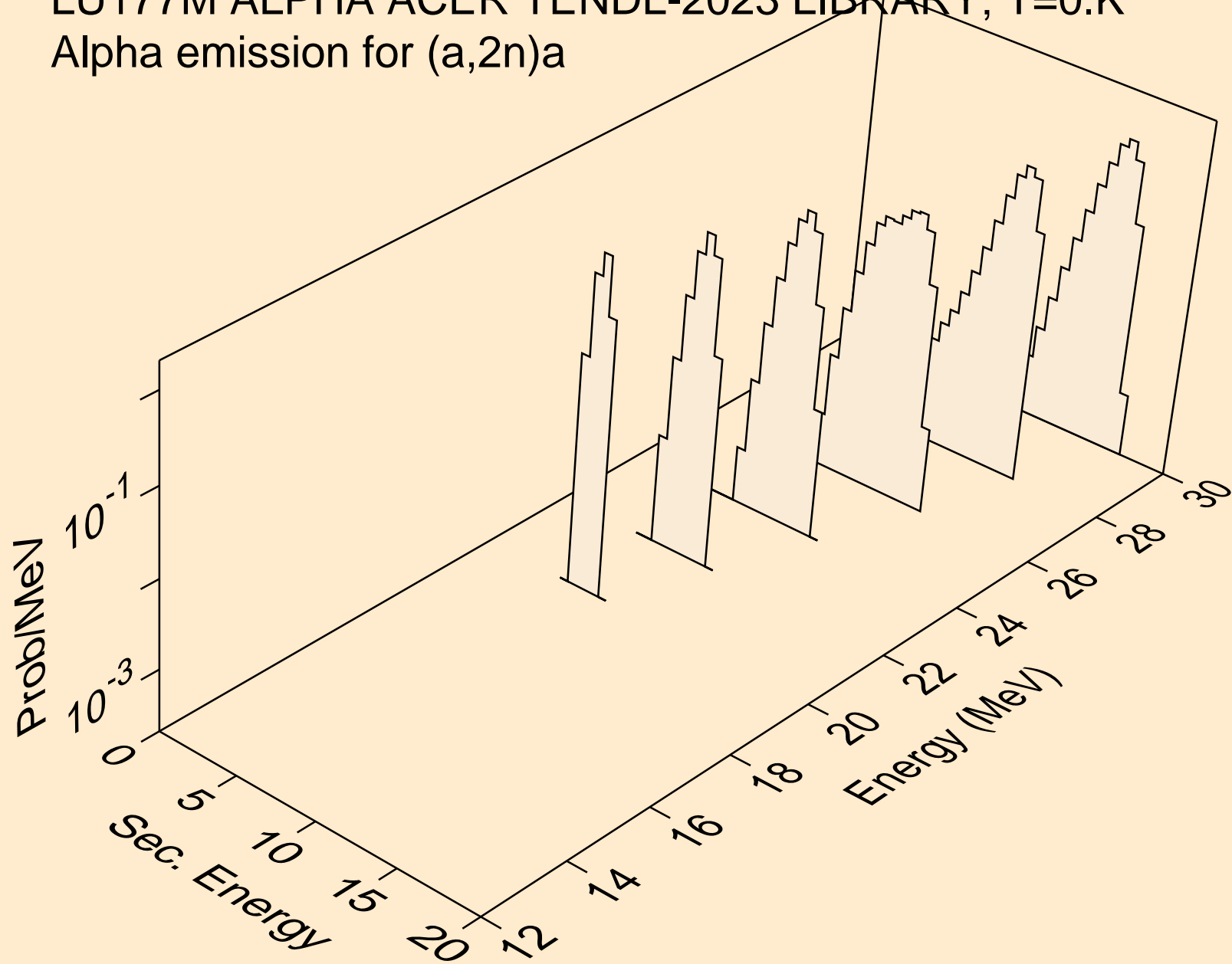
LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,x)



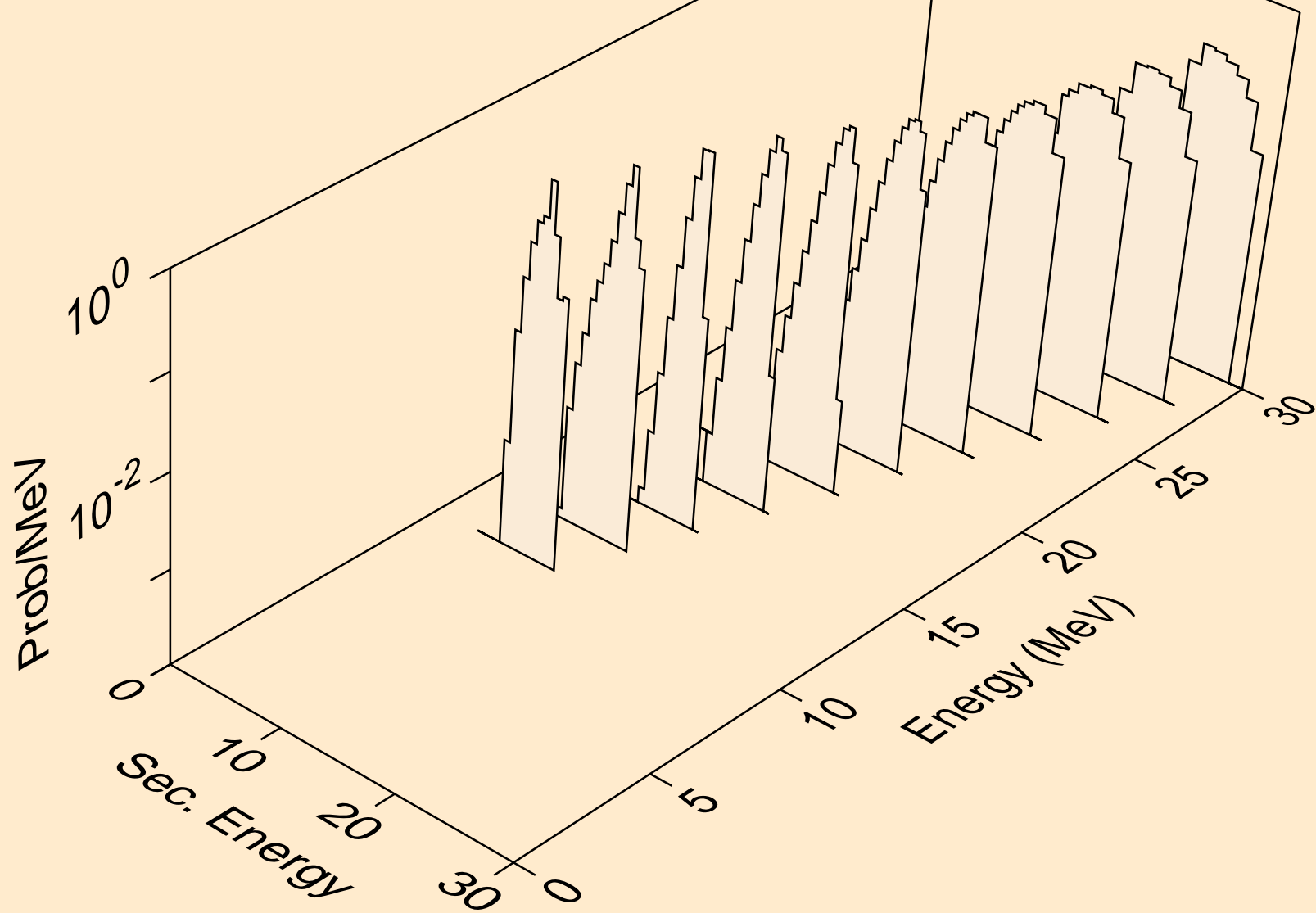
LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,n\*)a



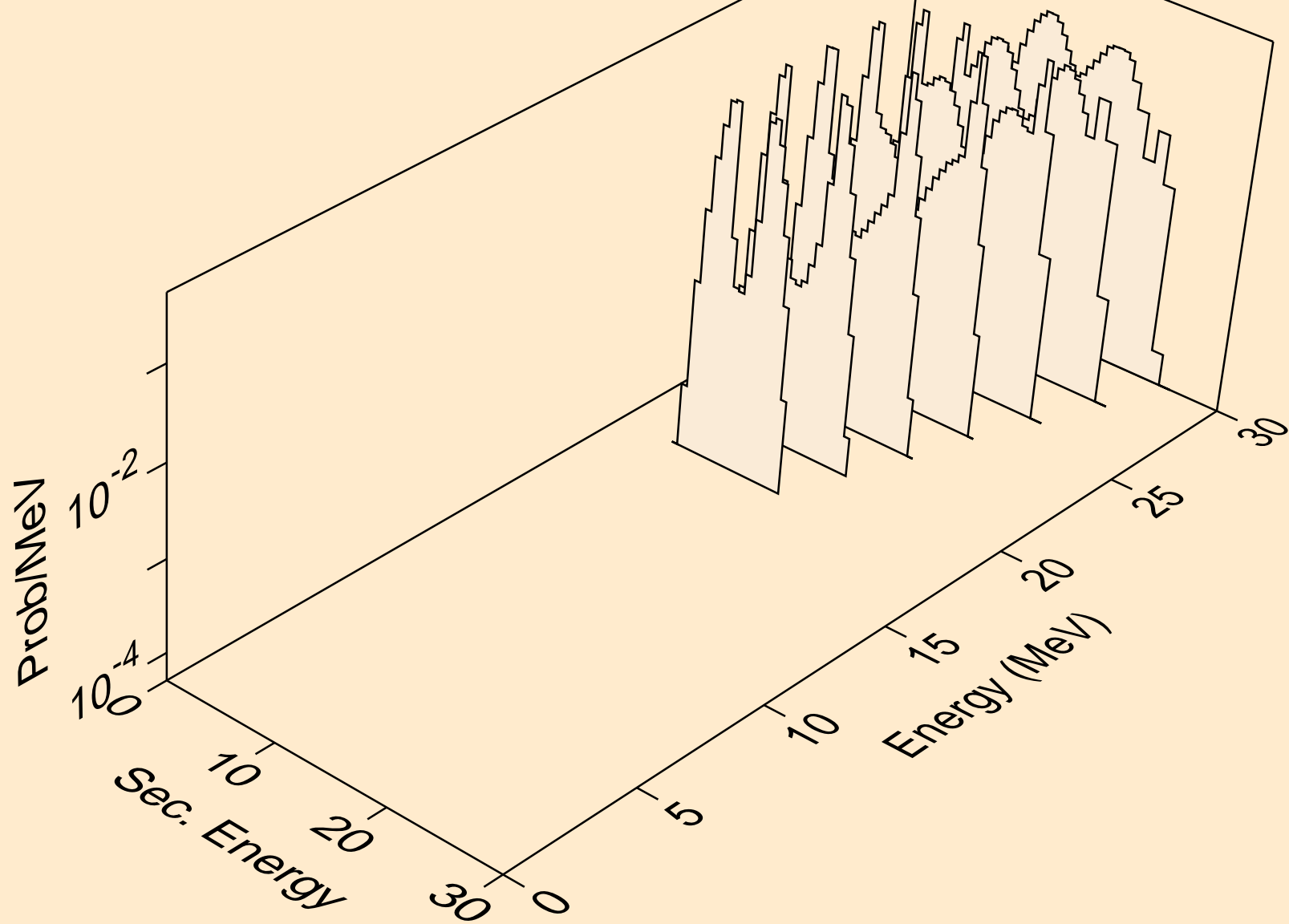
LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,2n)a



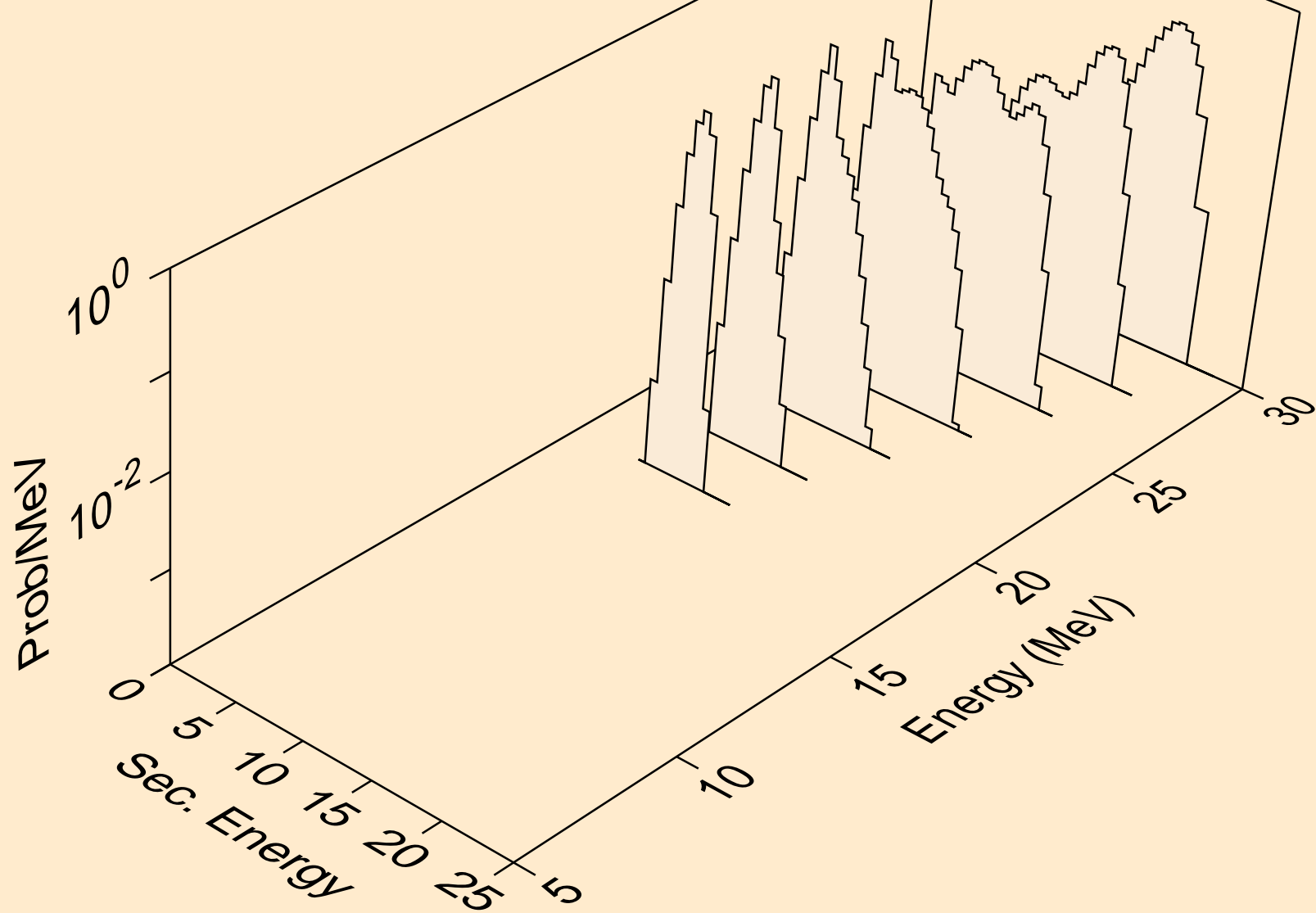
LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for inelastic



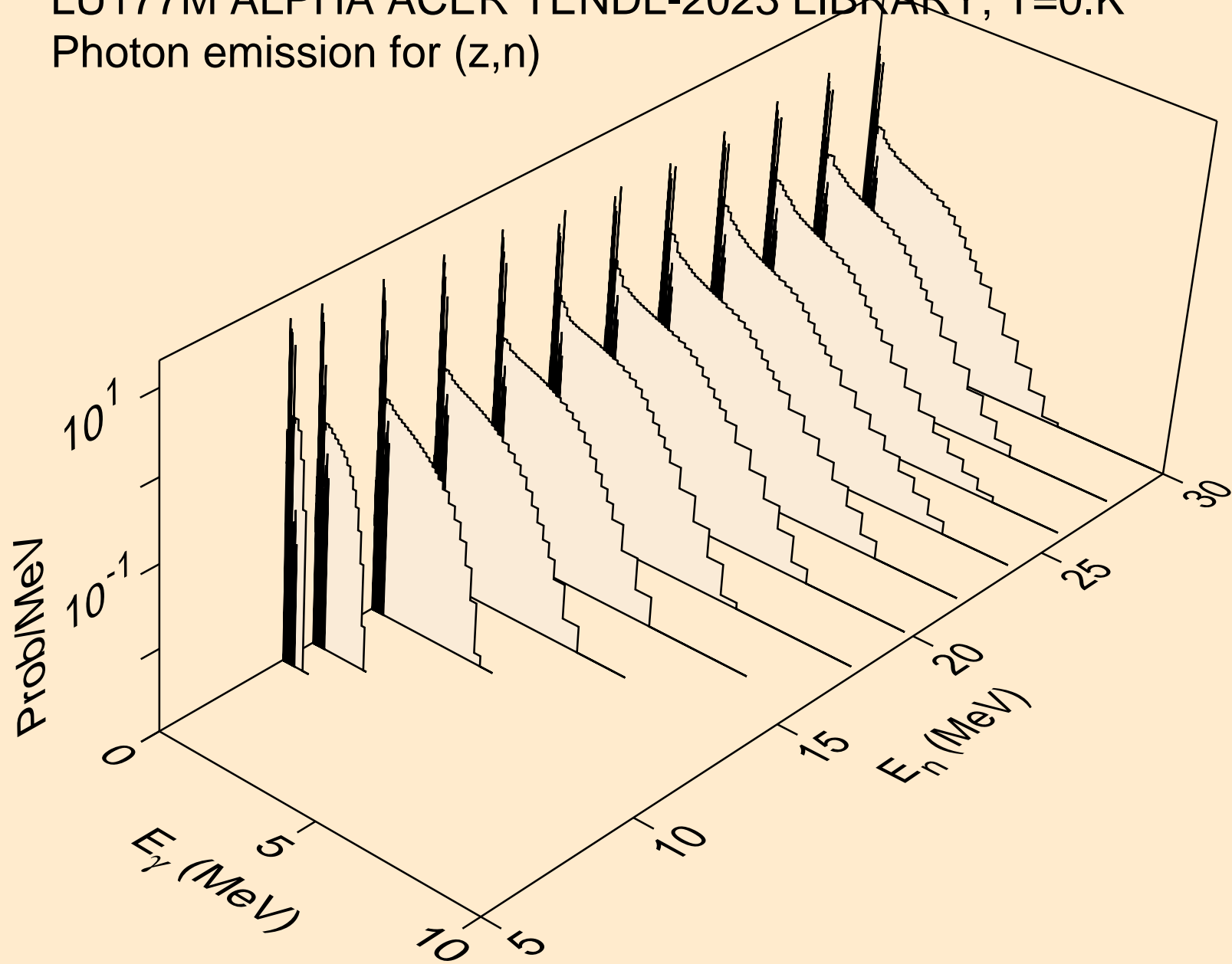
LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,2a)



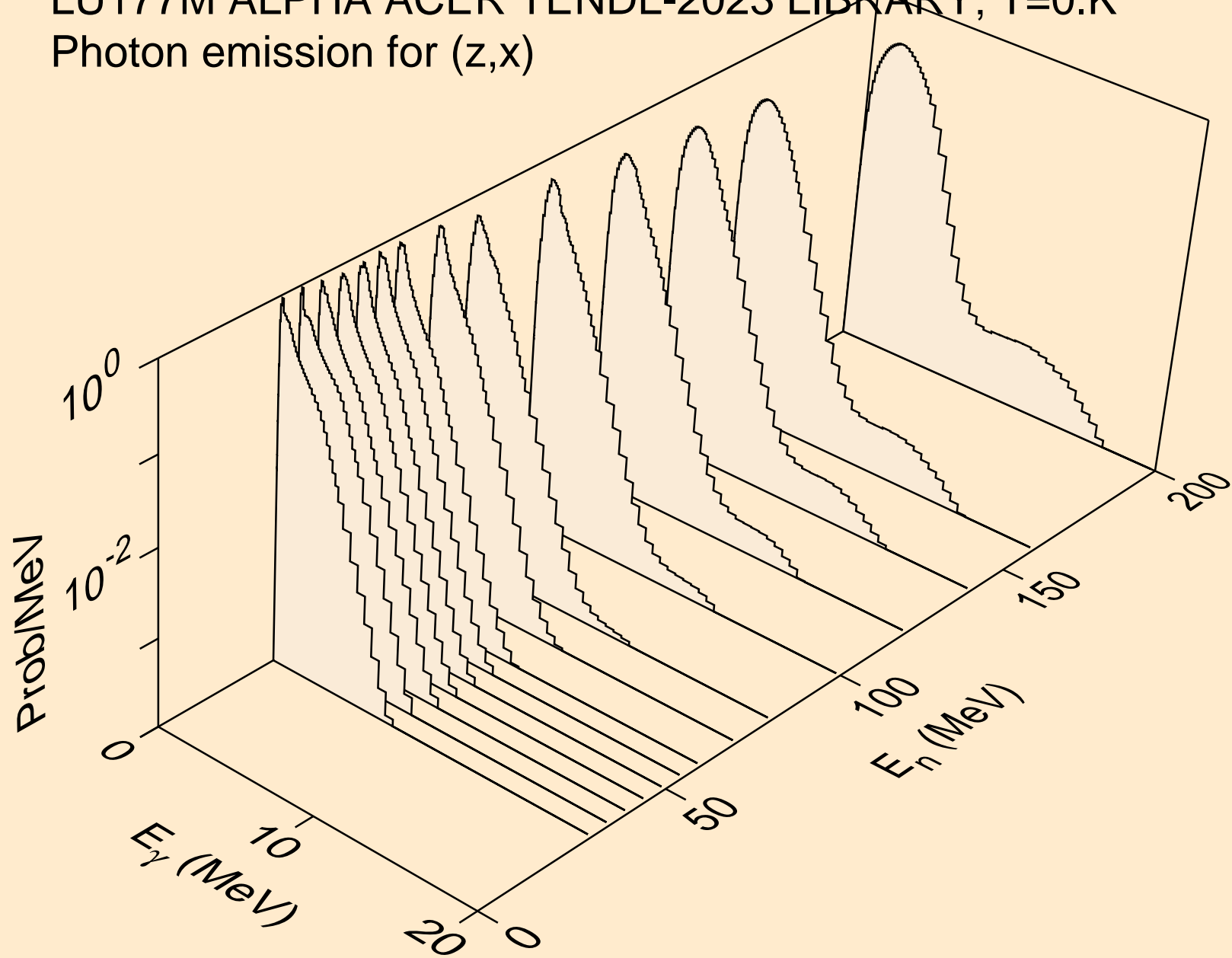
LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,pa)



LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)

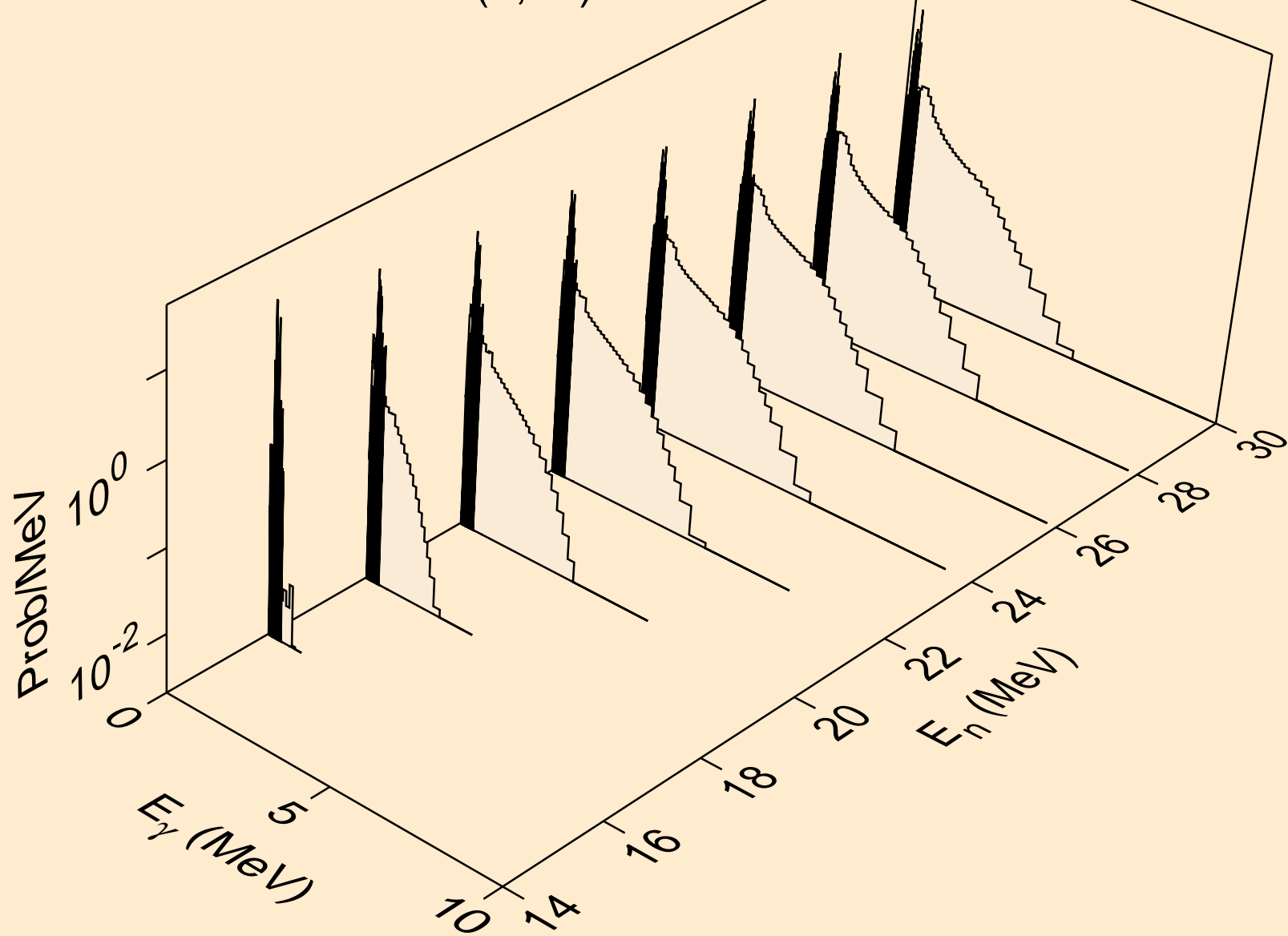


LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)

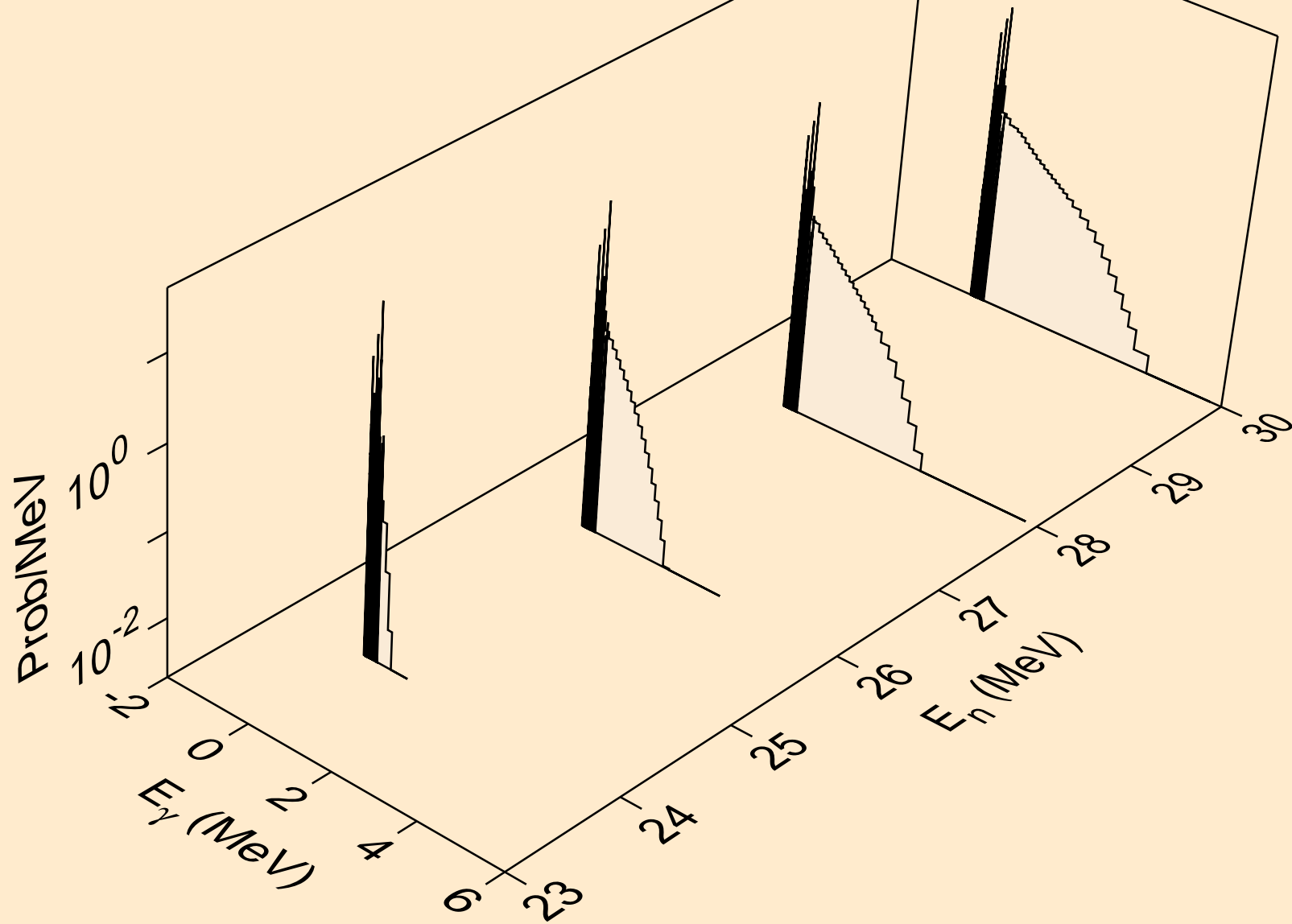




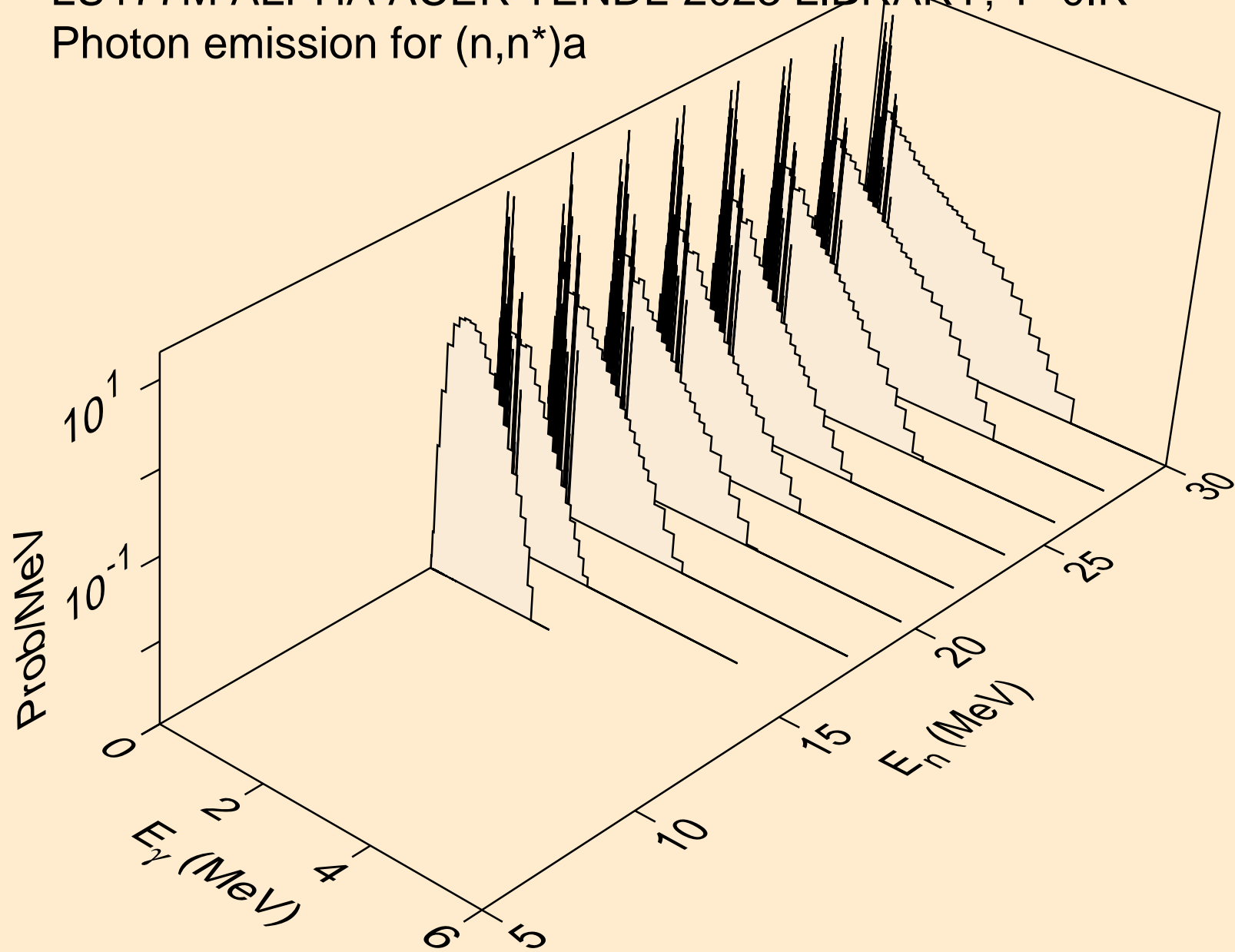
LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



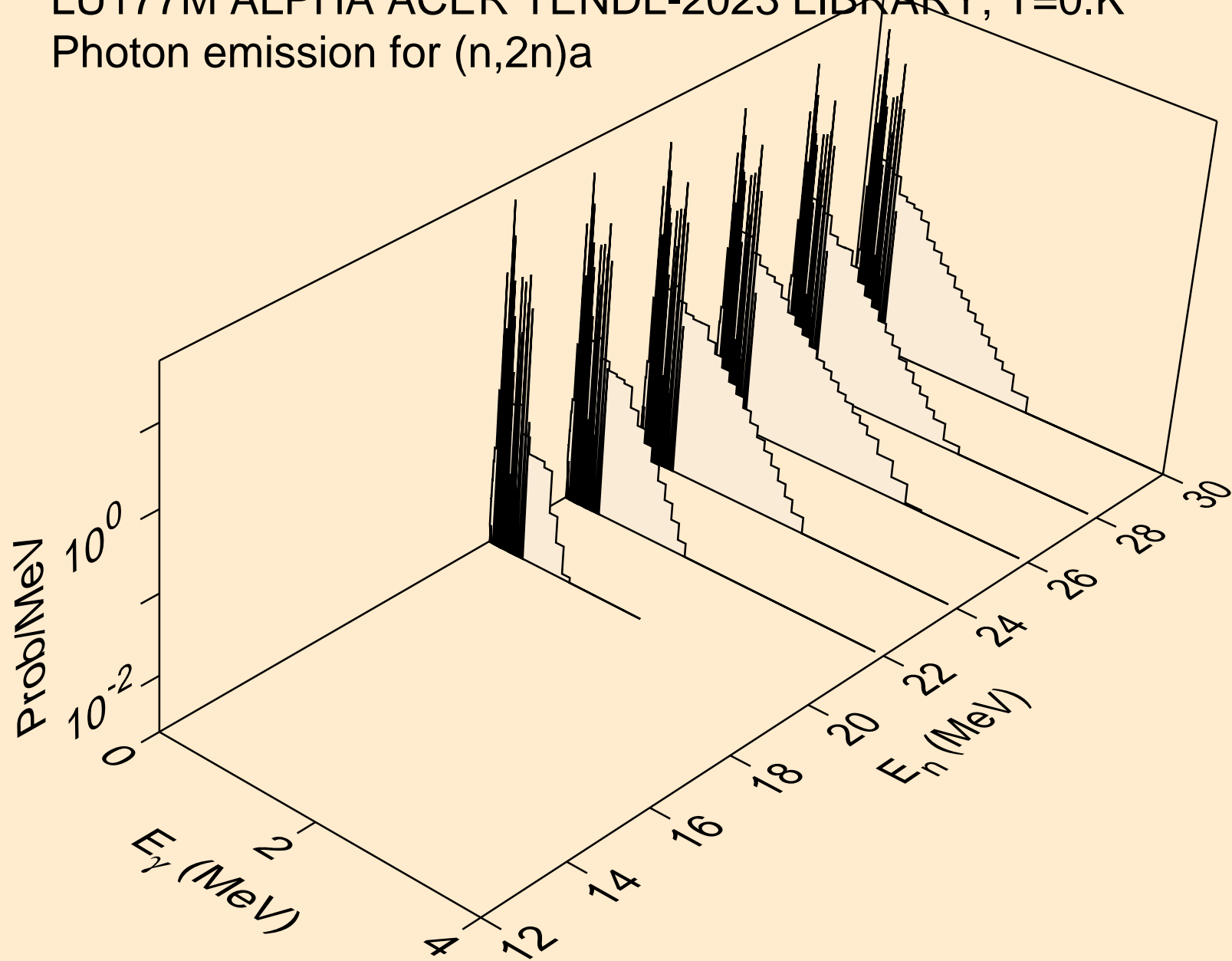
LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



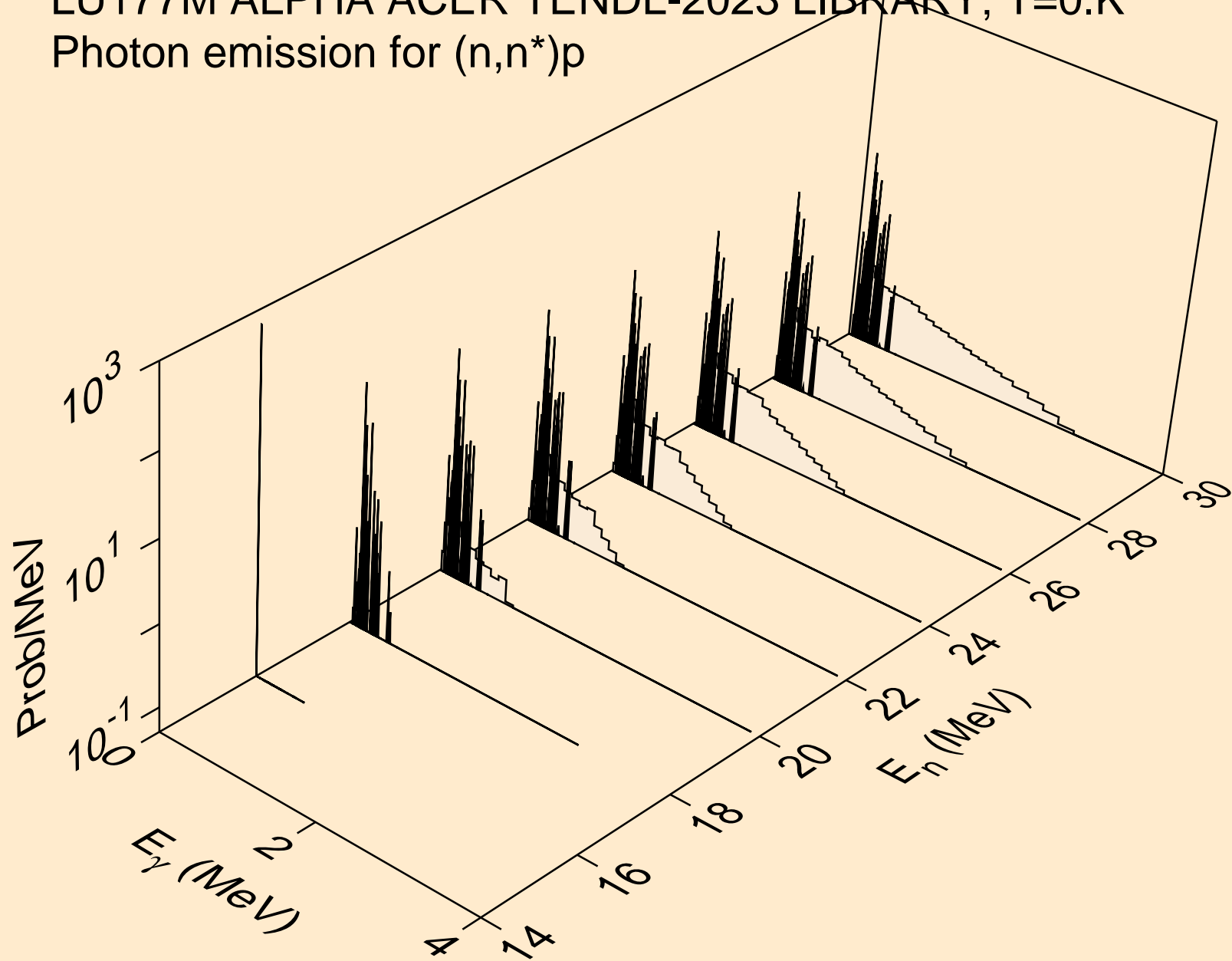
LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



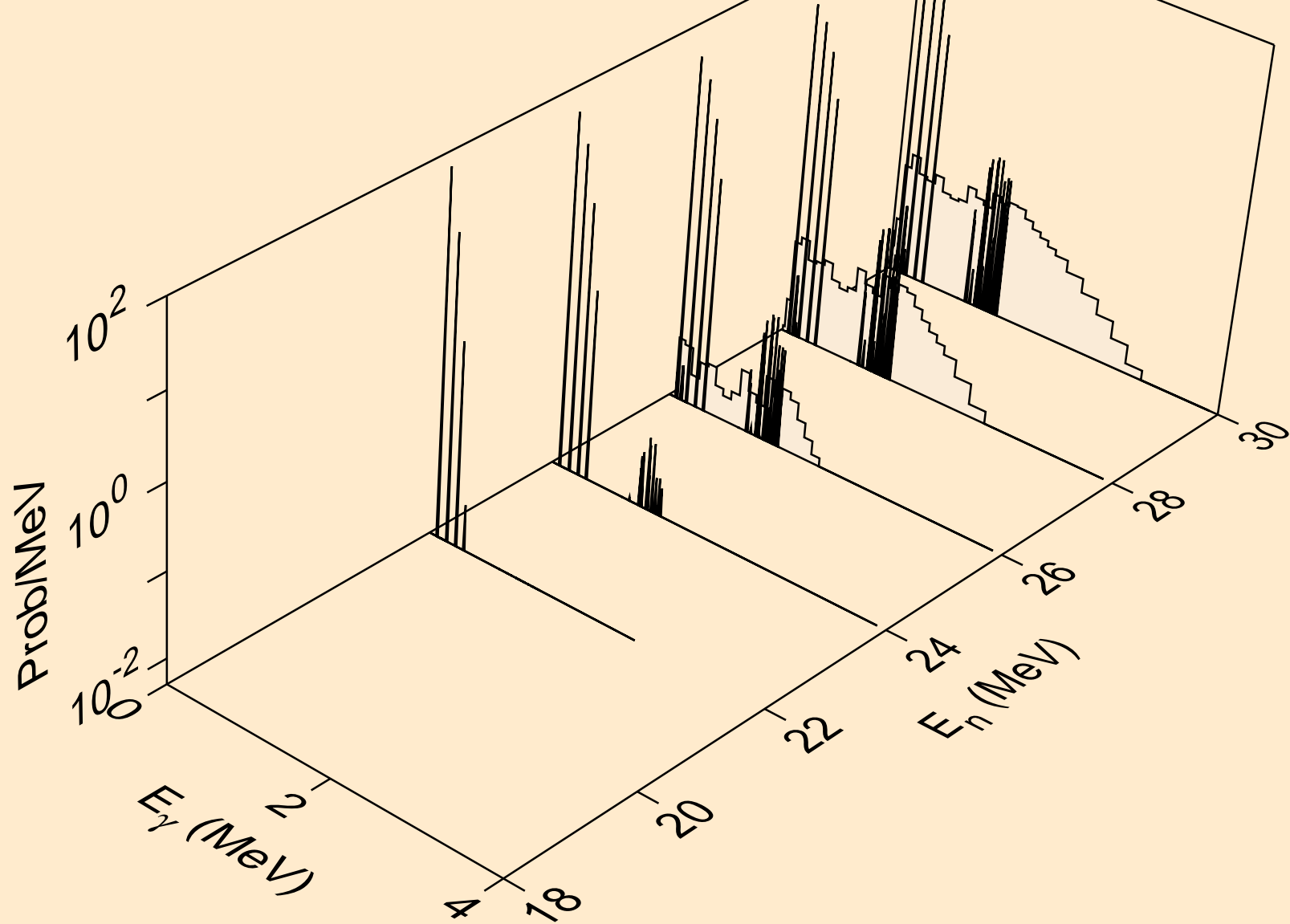
LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



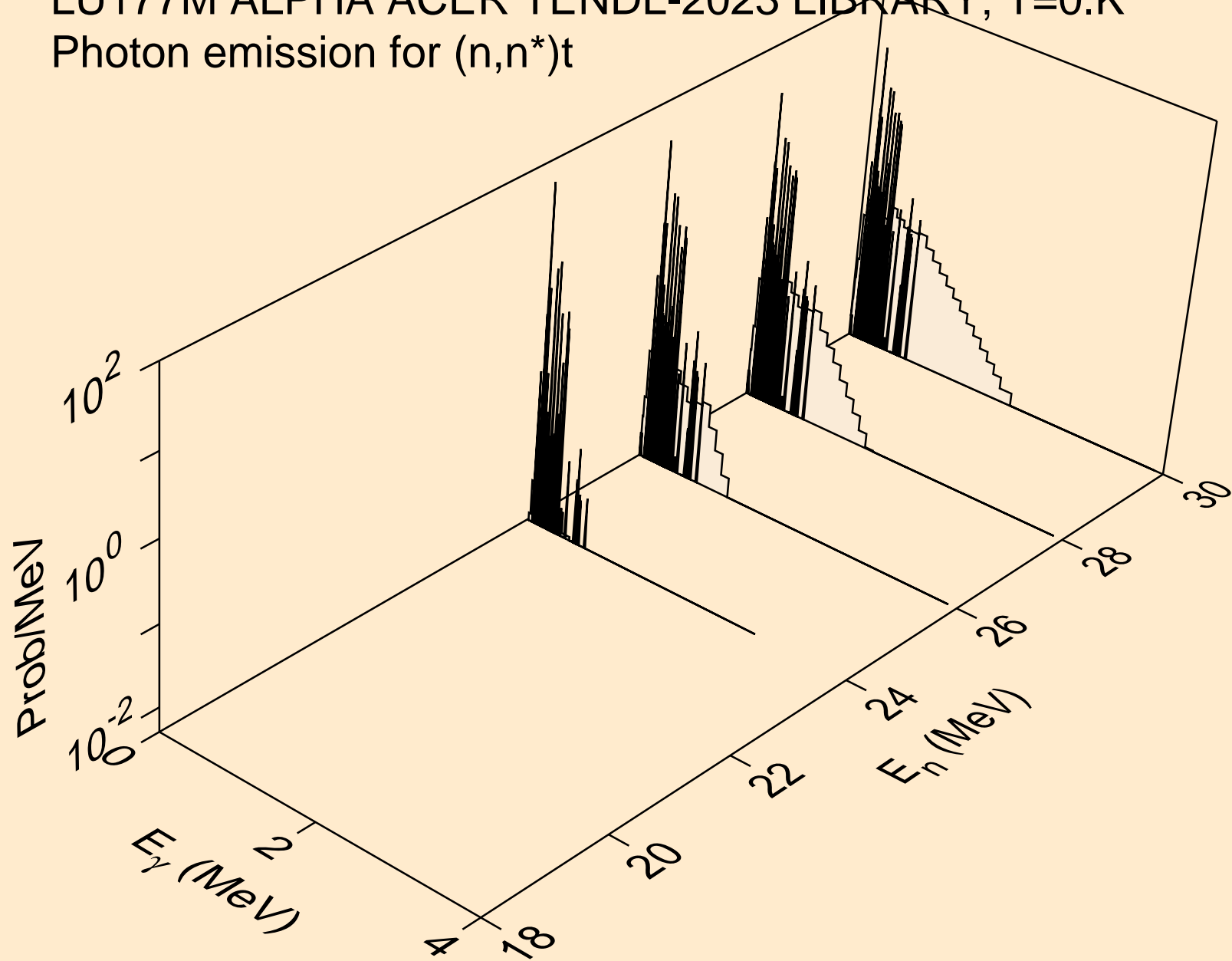
LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



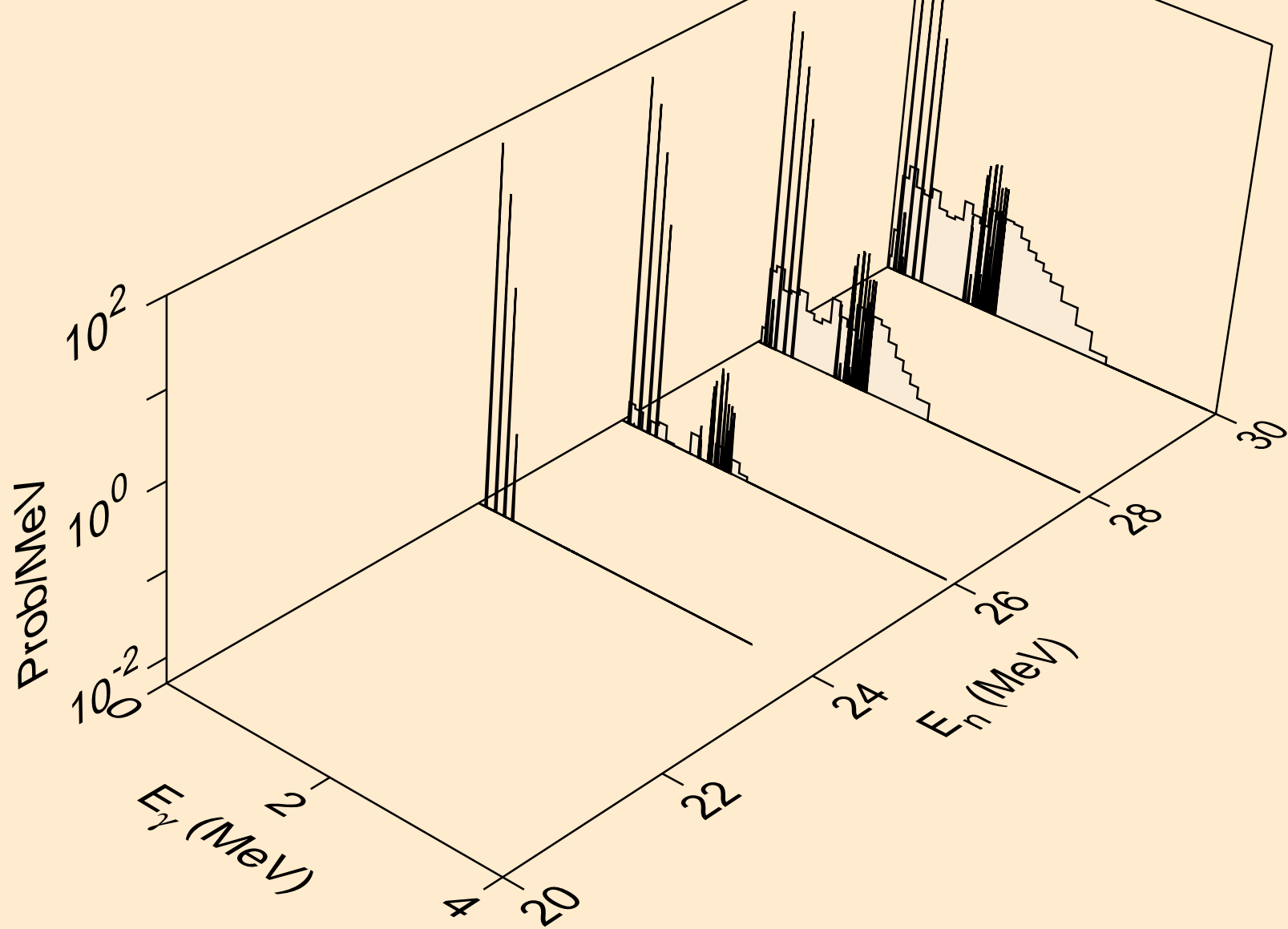
LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

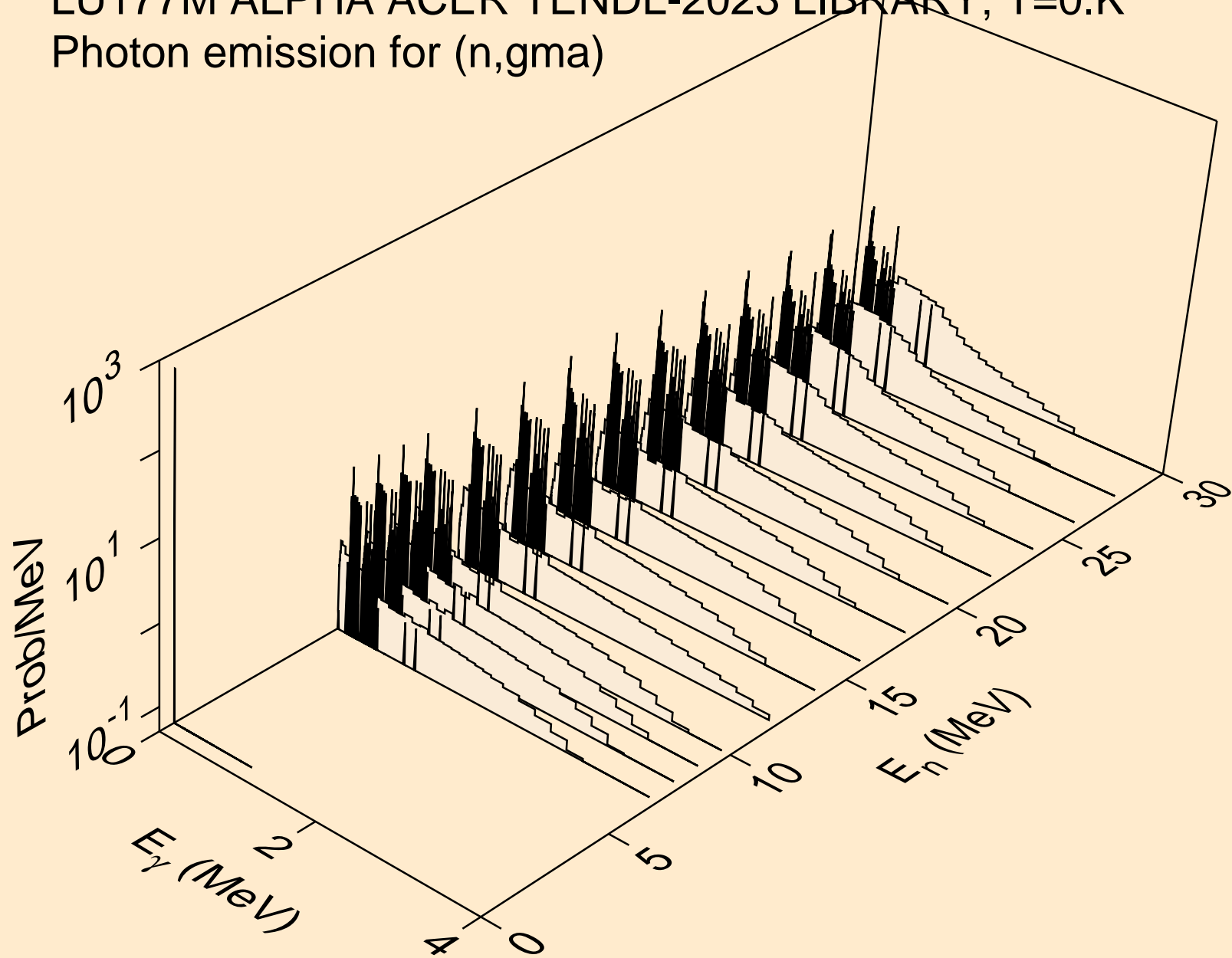


LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

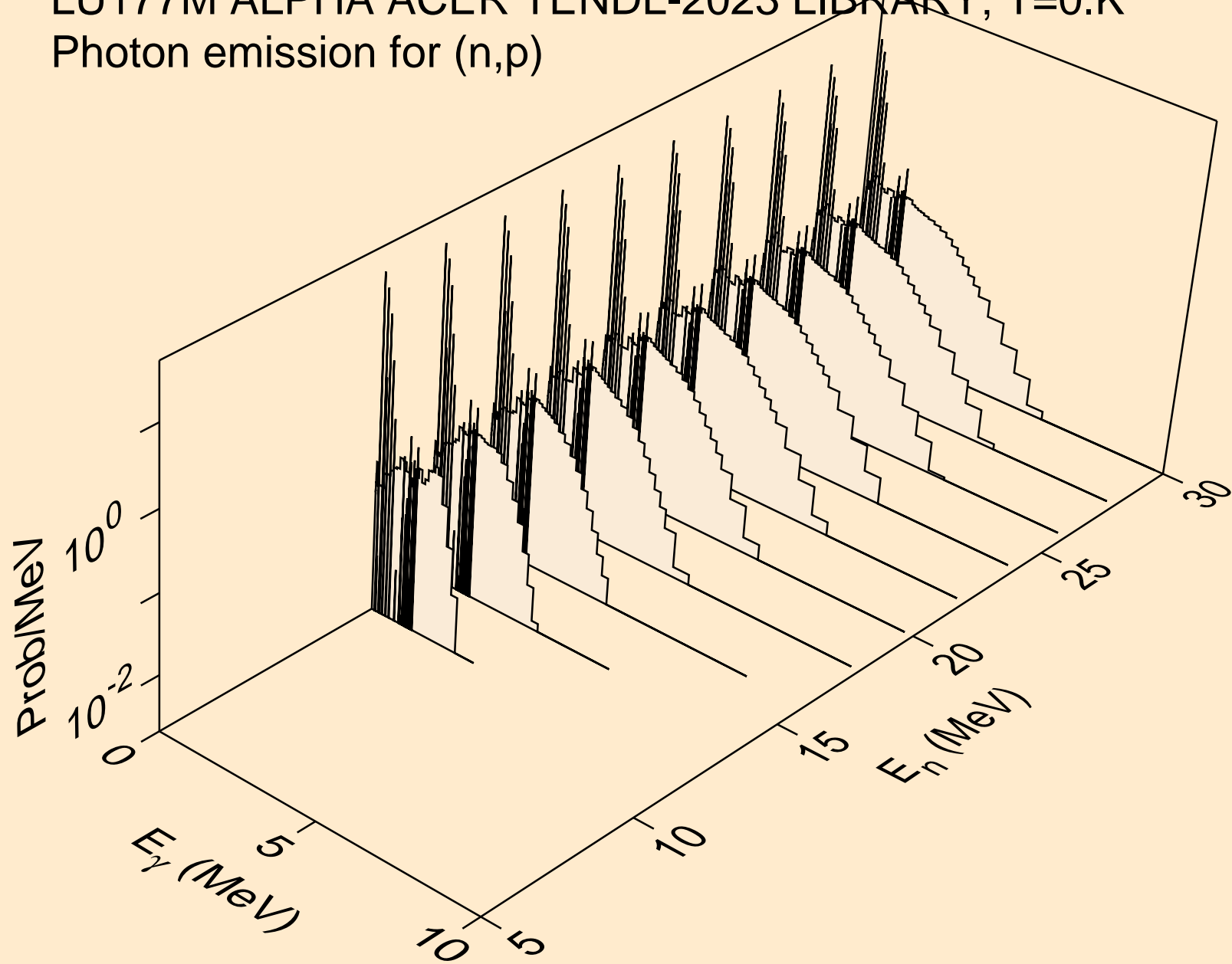




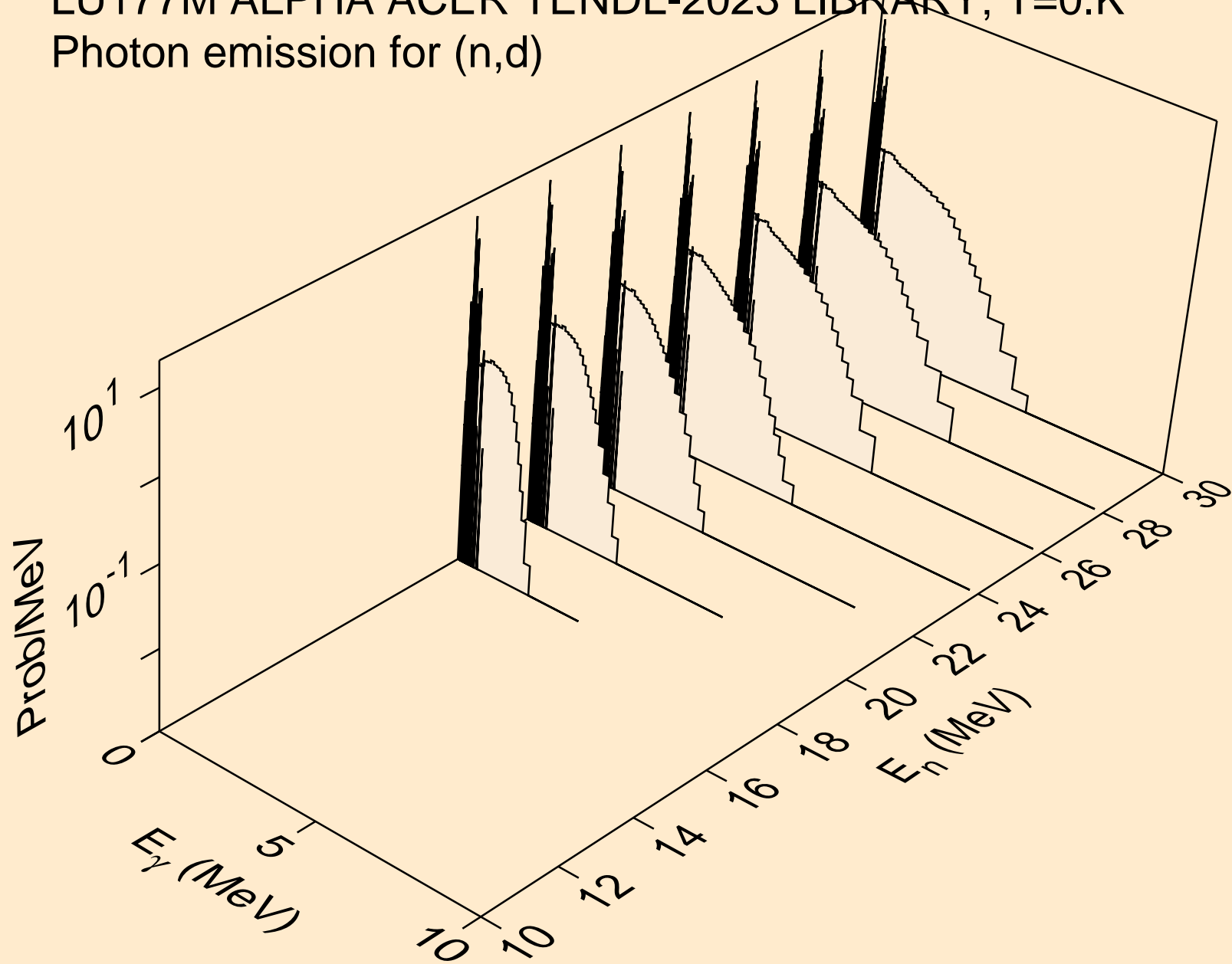
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Photon emission for (n,gma)



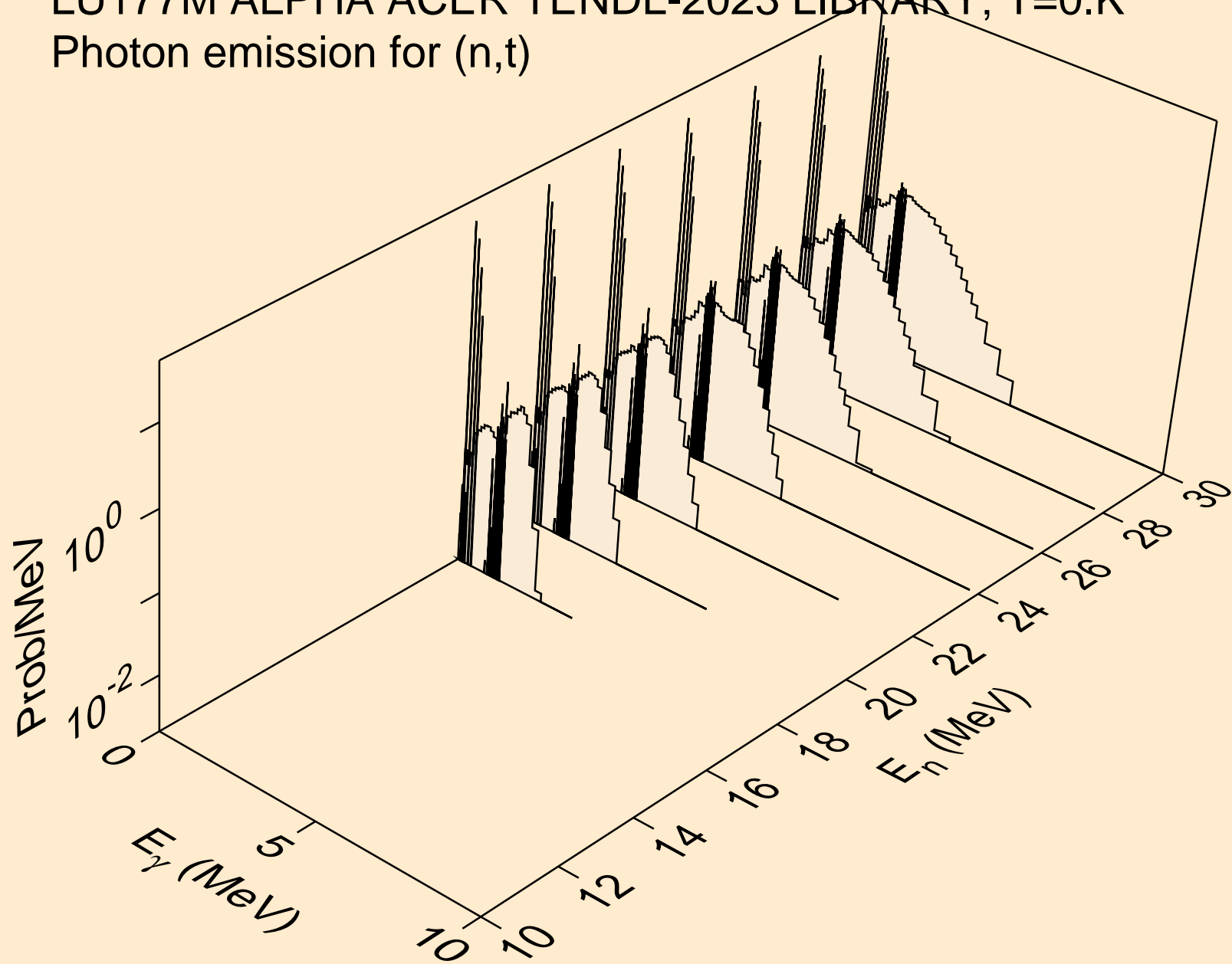
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Photon emission for (n,p)



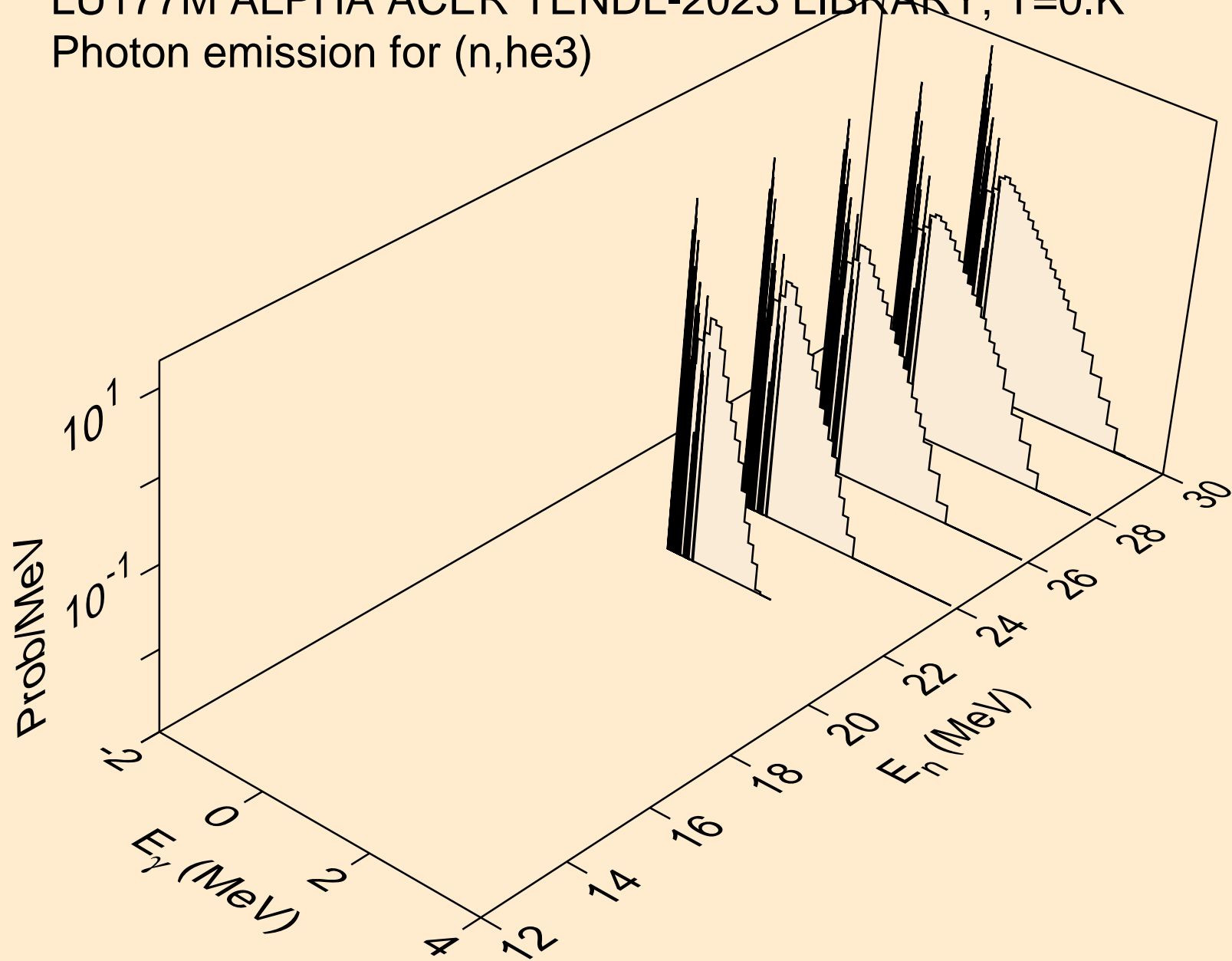
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Photon emission for (n,d)



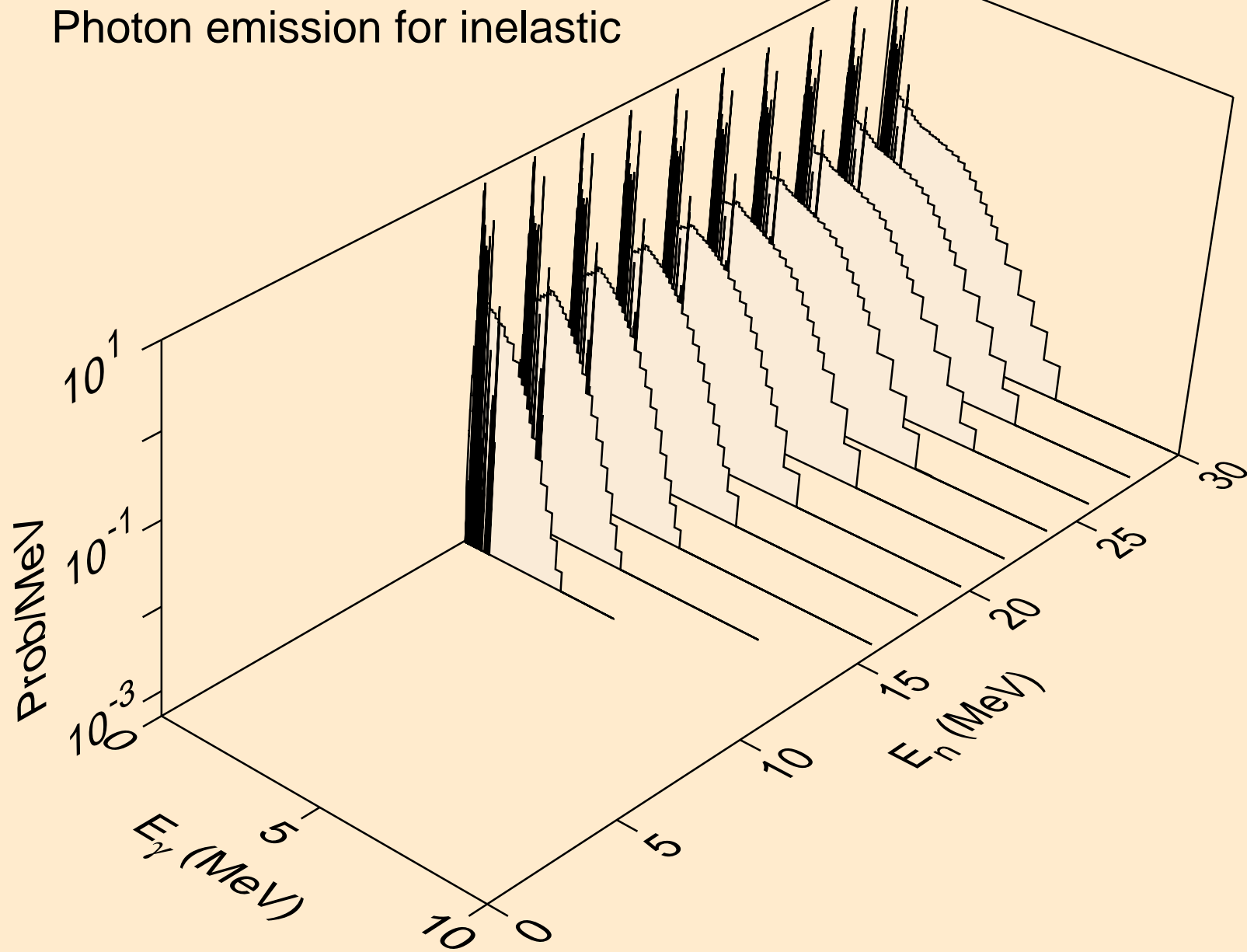
LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



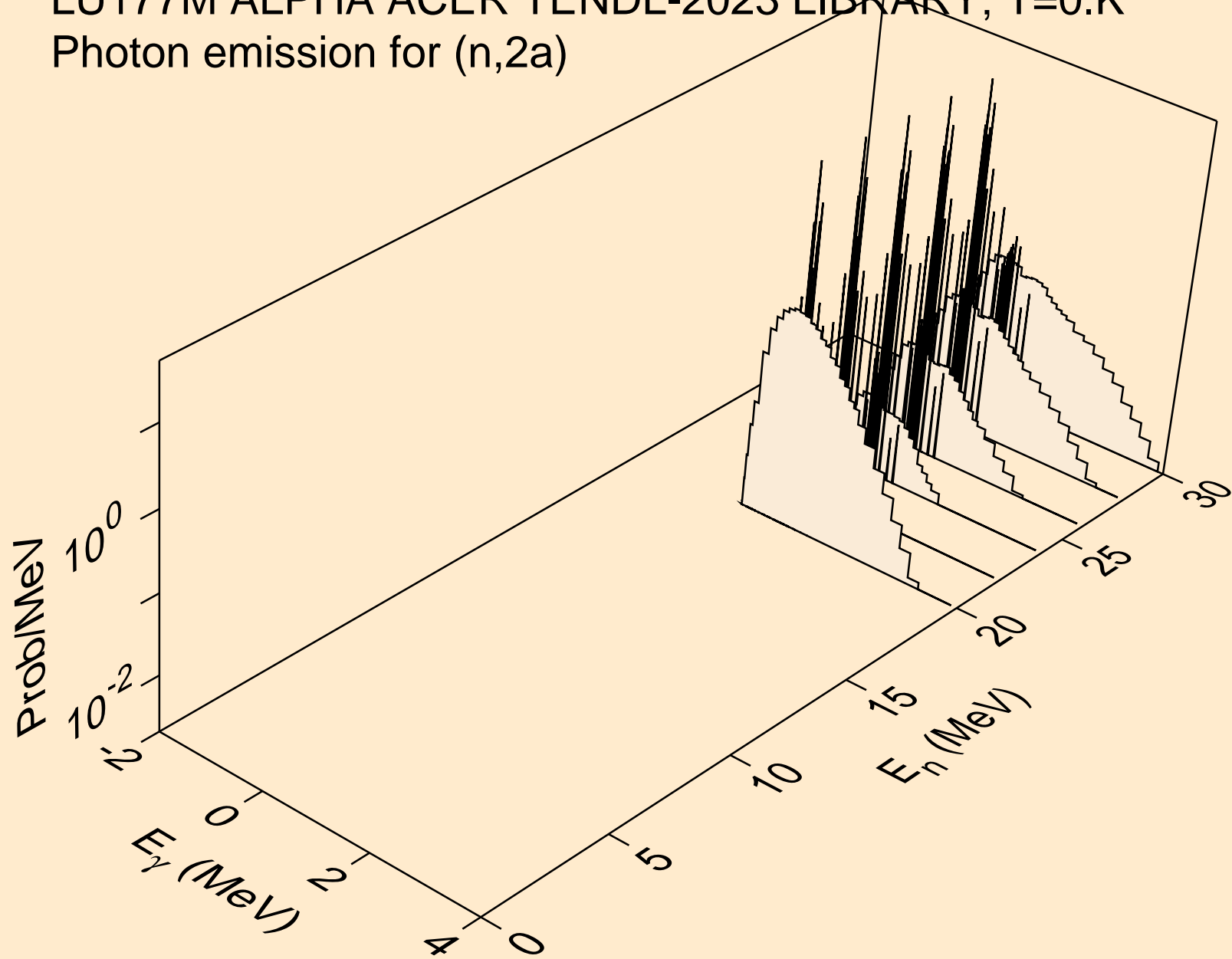
LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



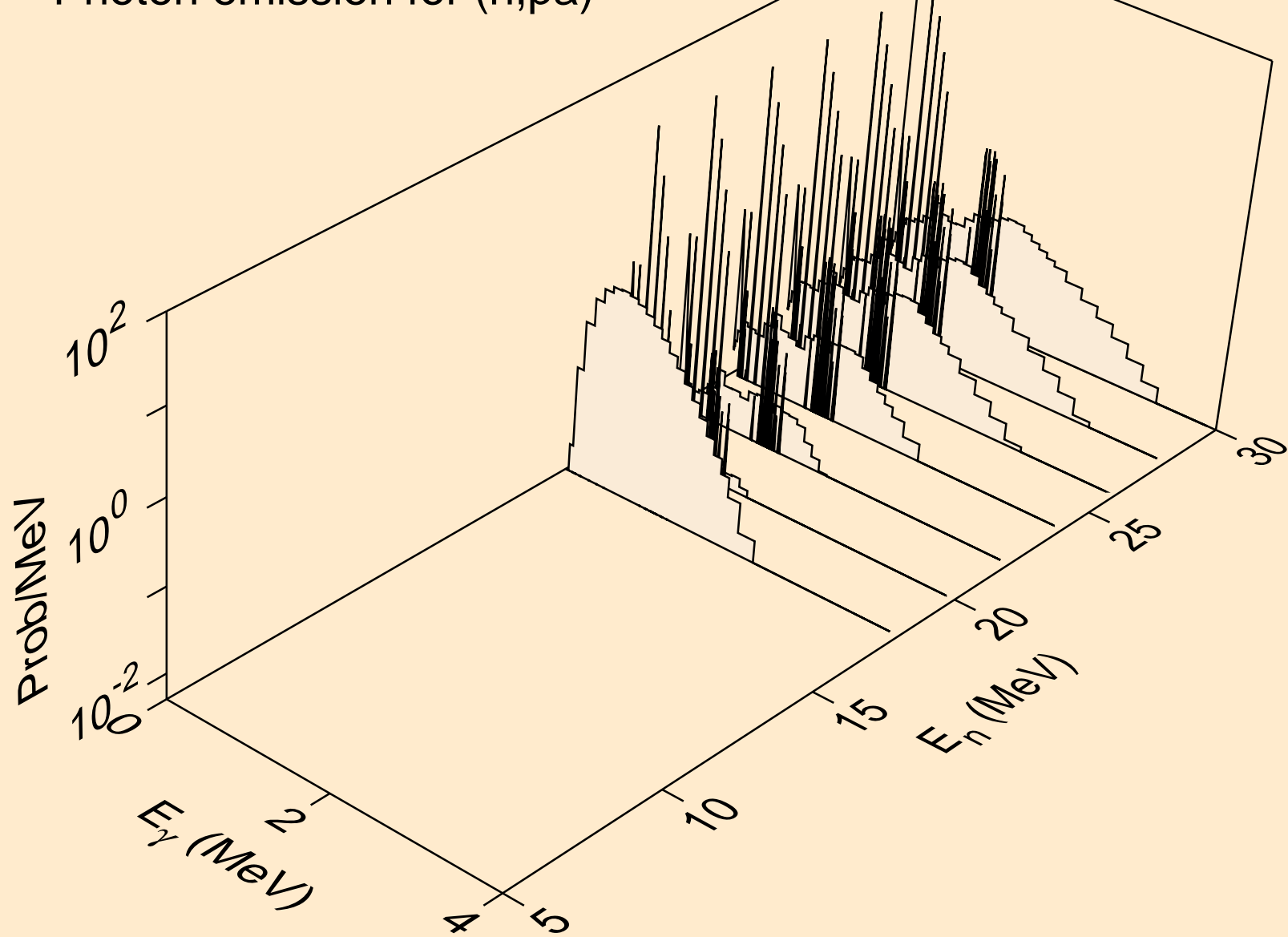
LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



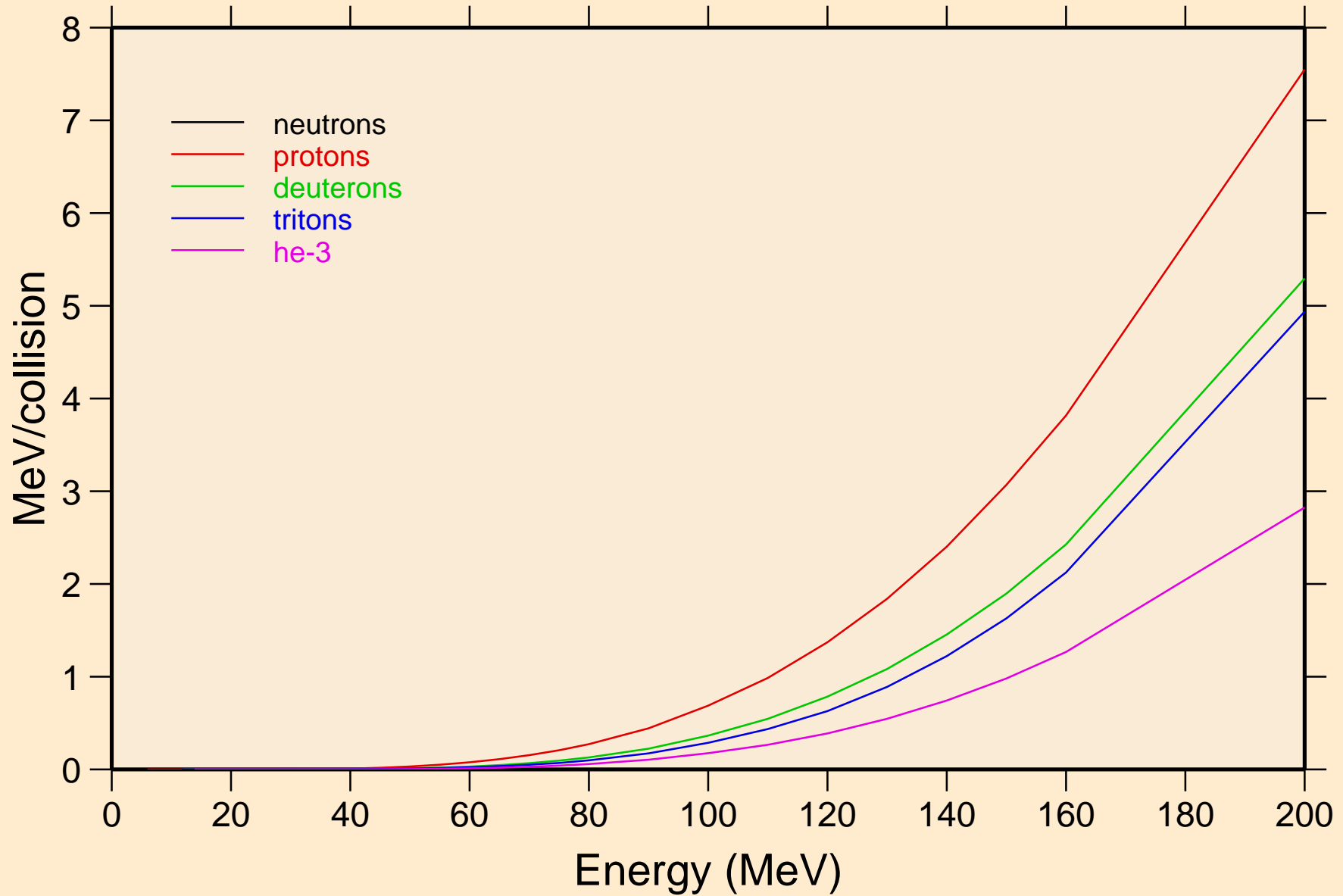
LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)



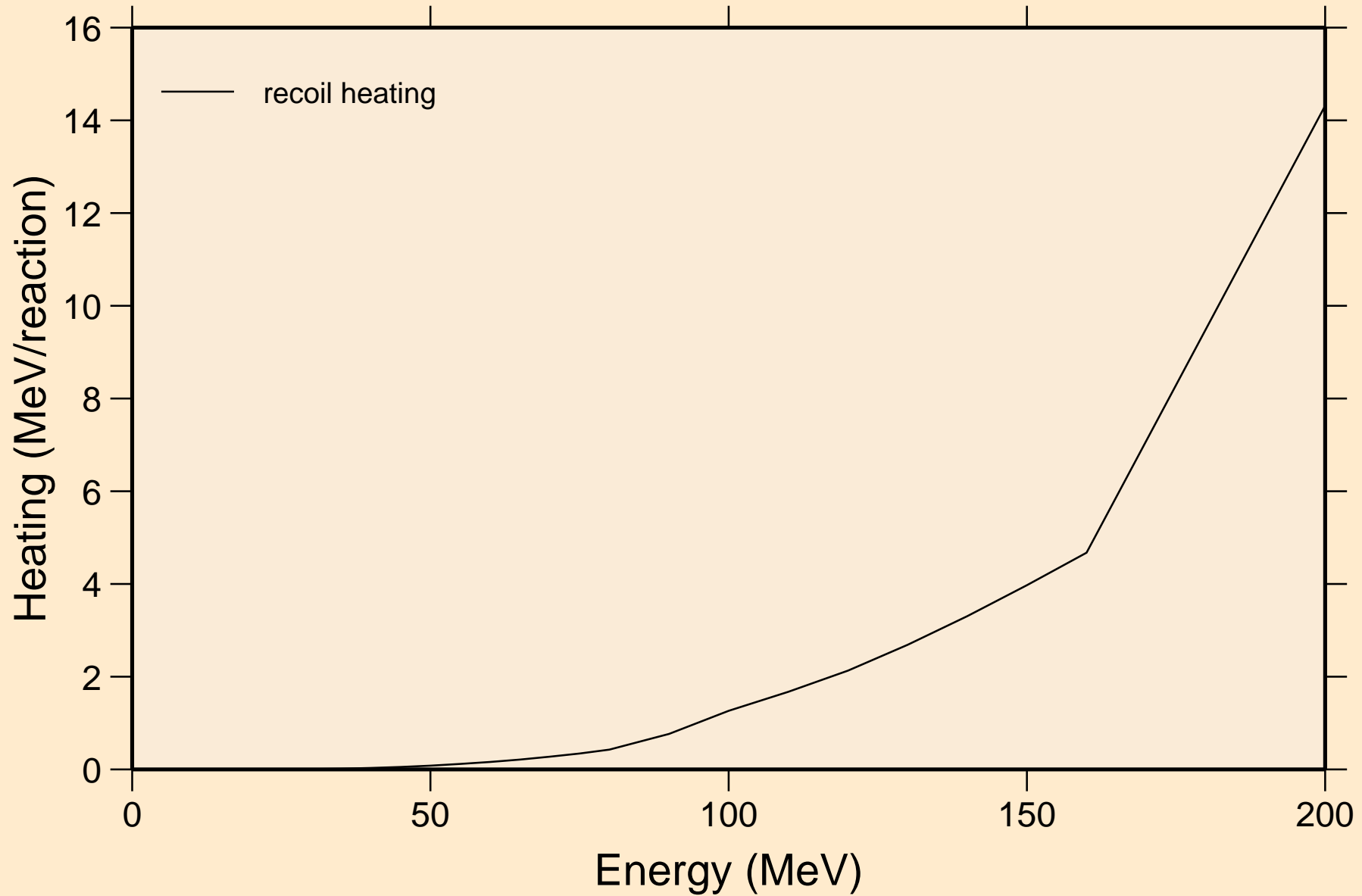


# LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

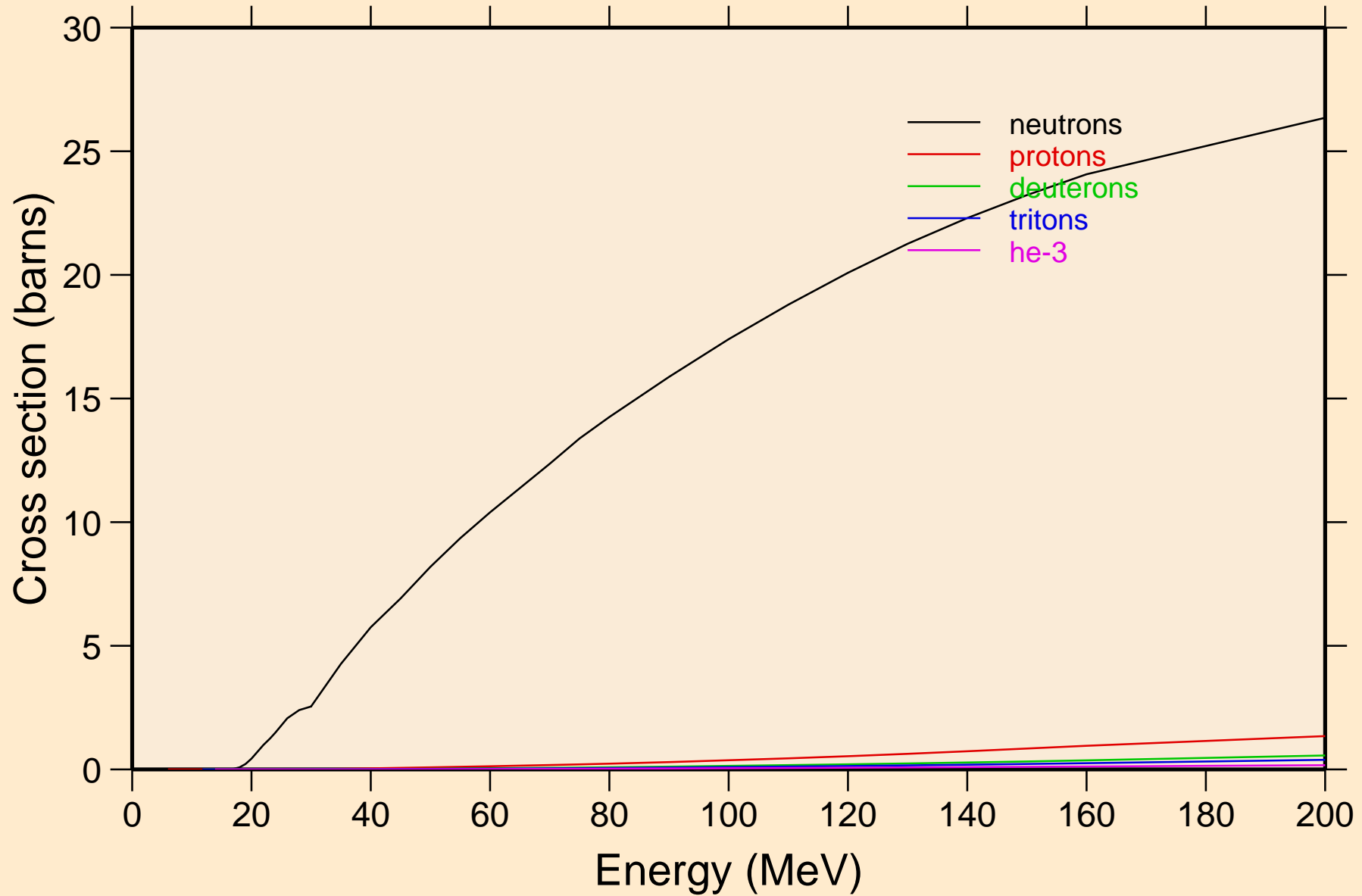
## Particle heating contributions



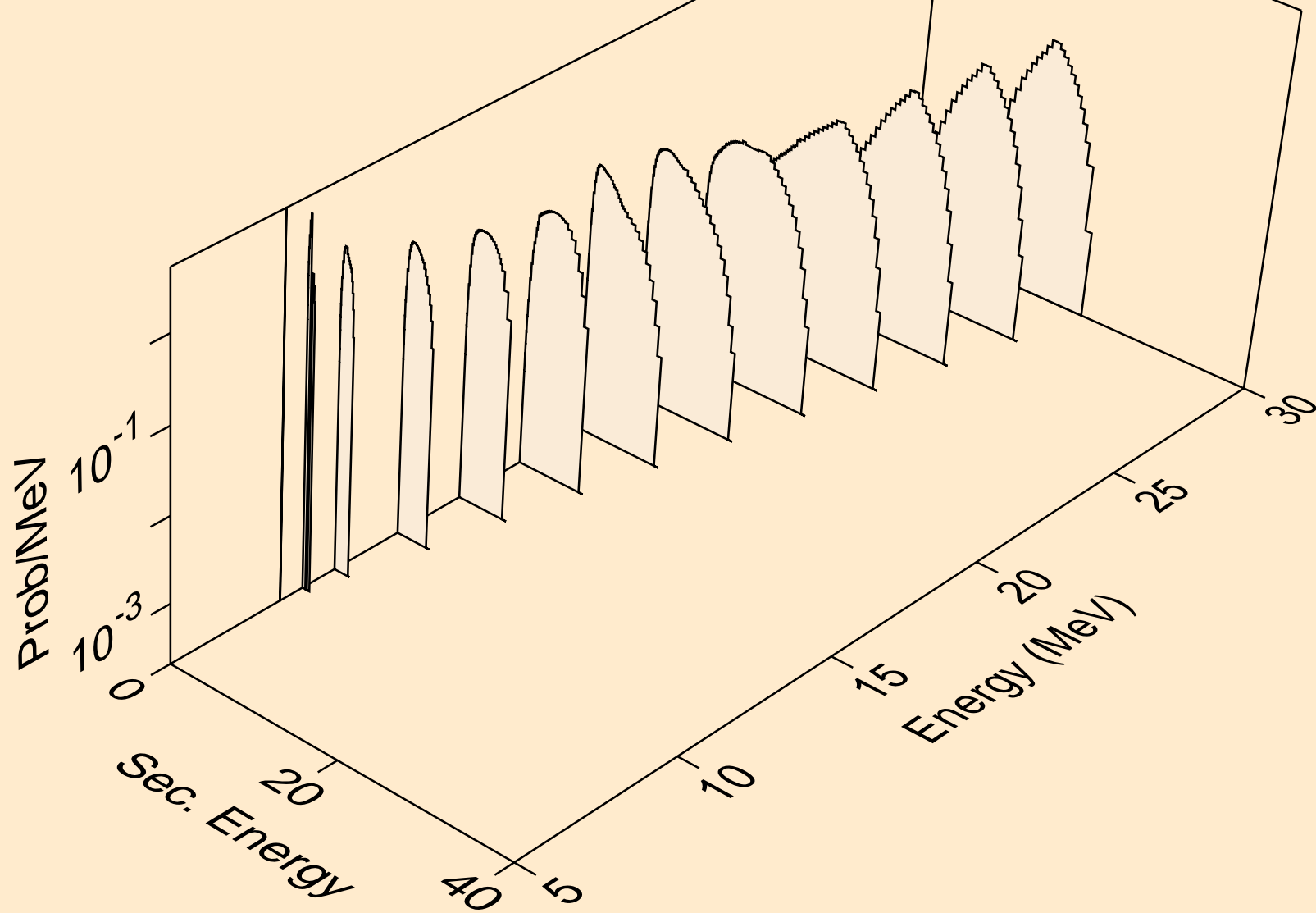
LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



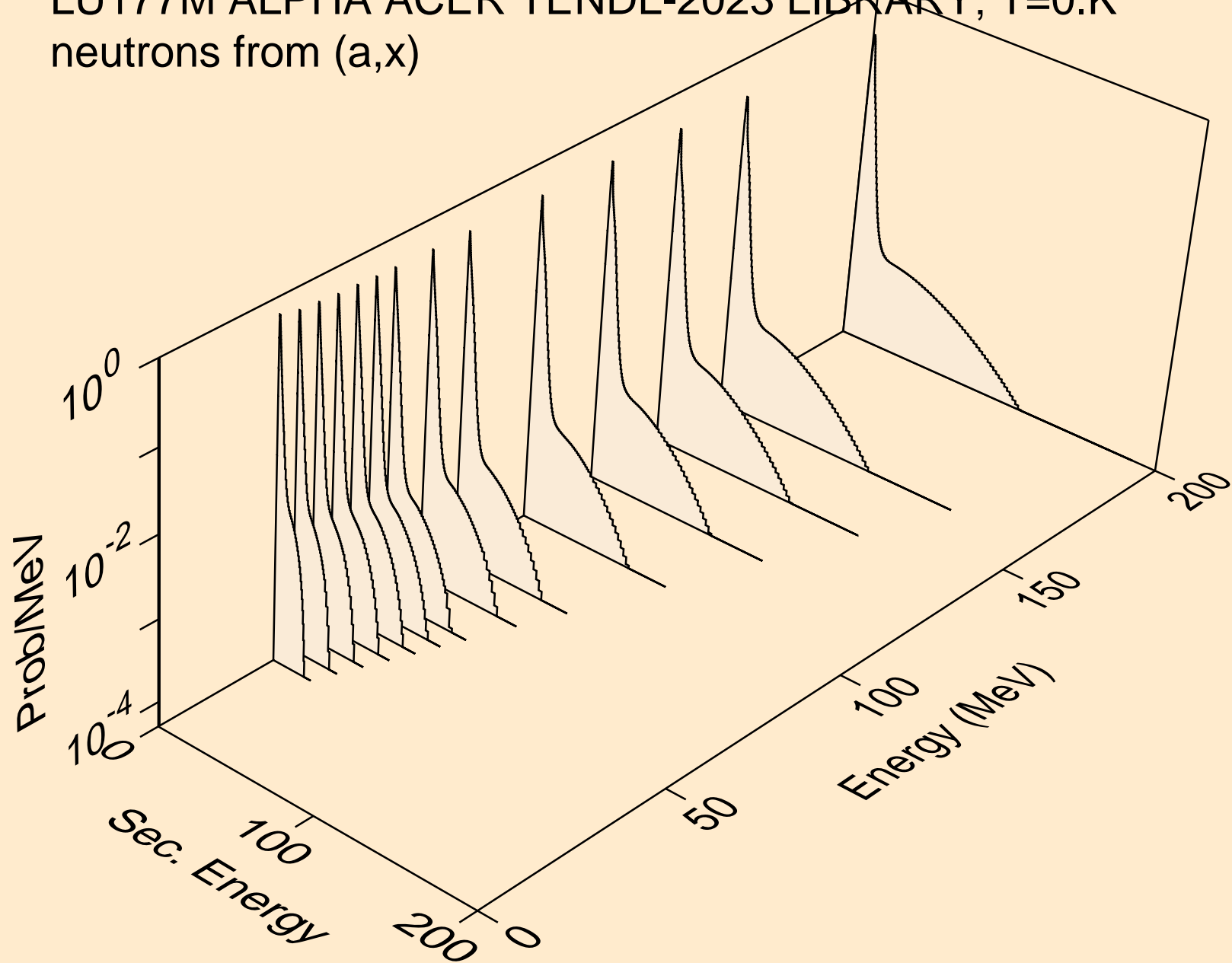
LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



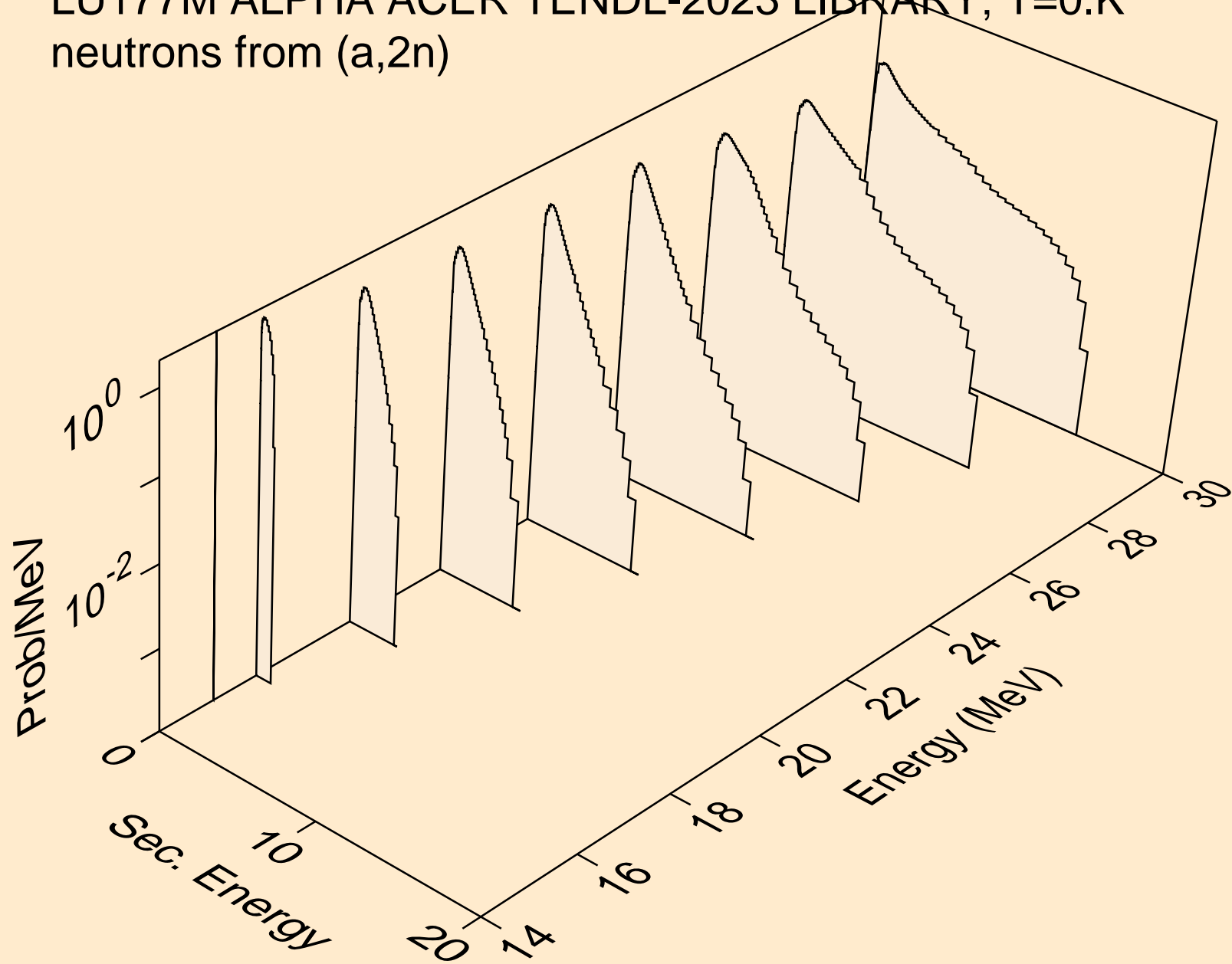
LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n)



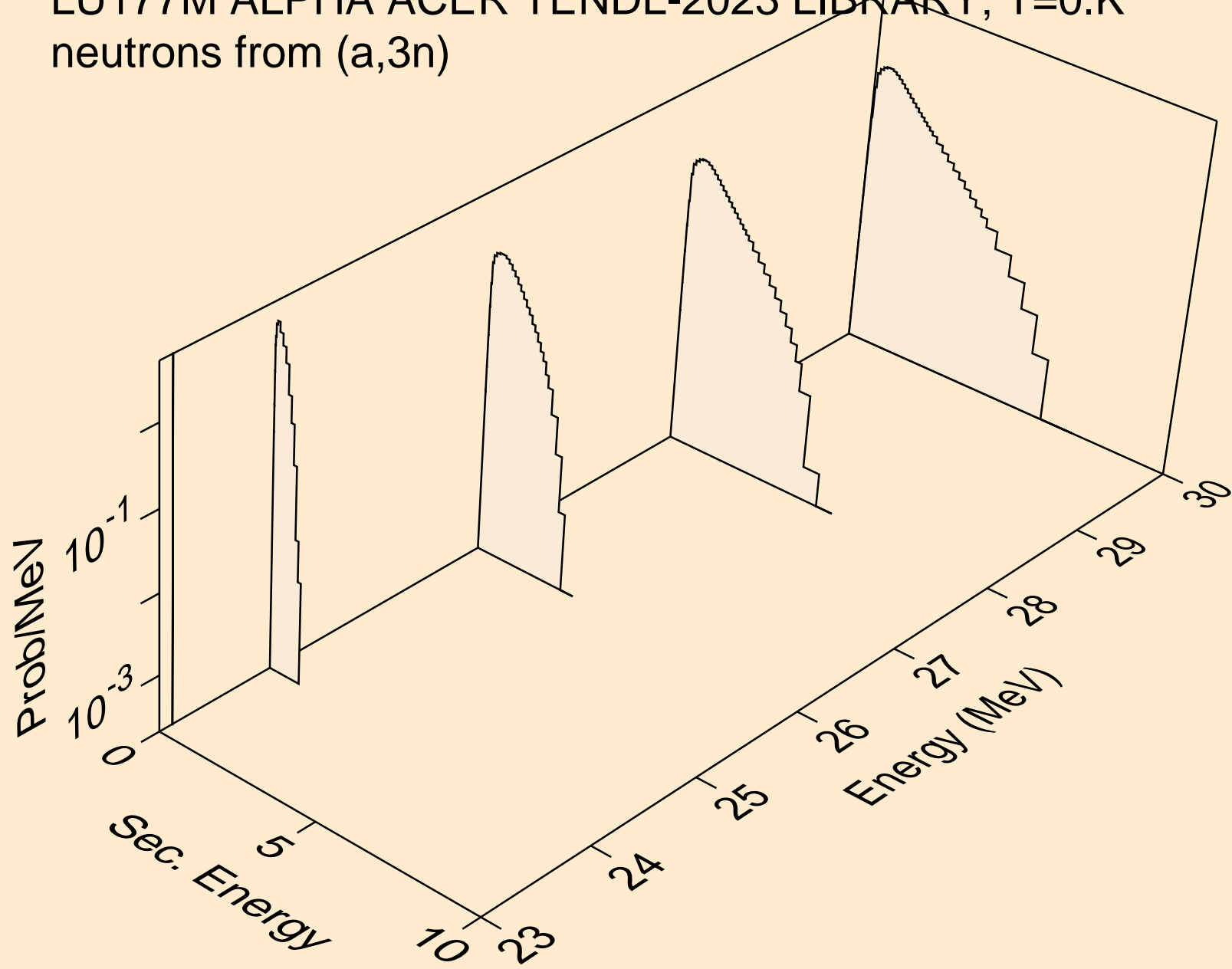
LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,x)



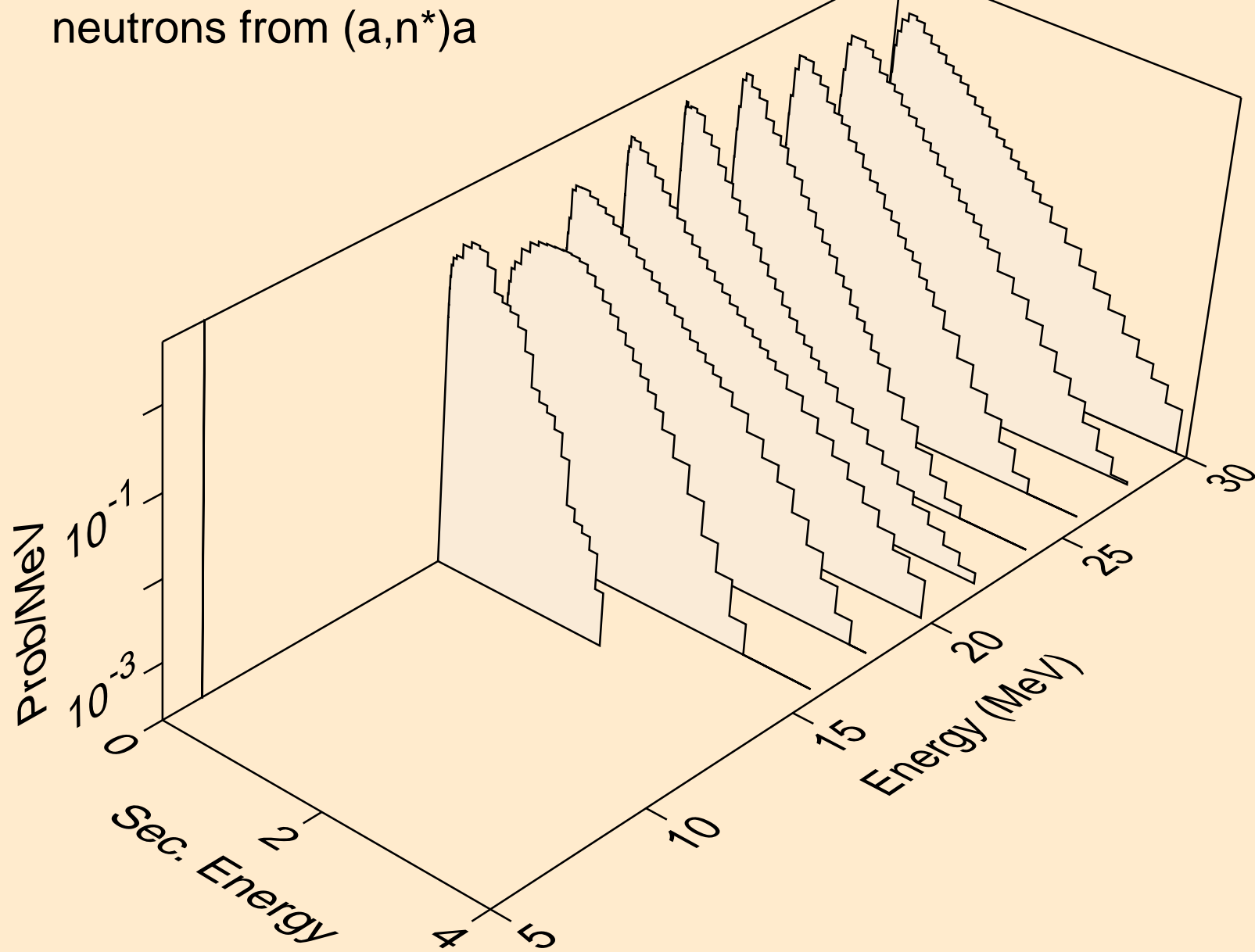
LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2n)



LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,3n)

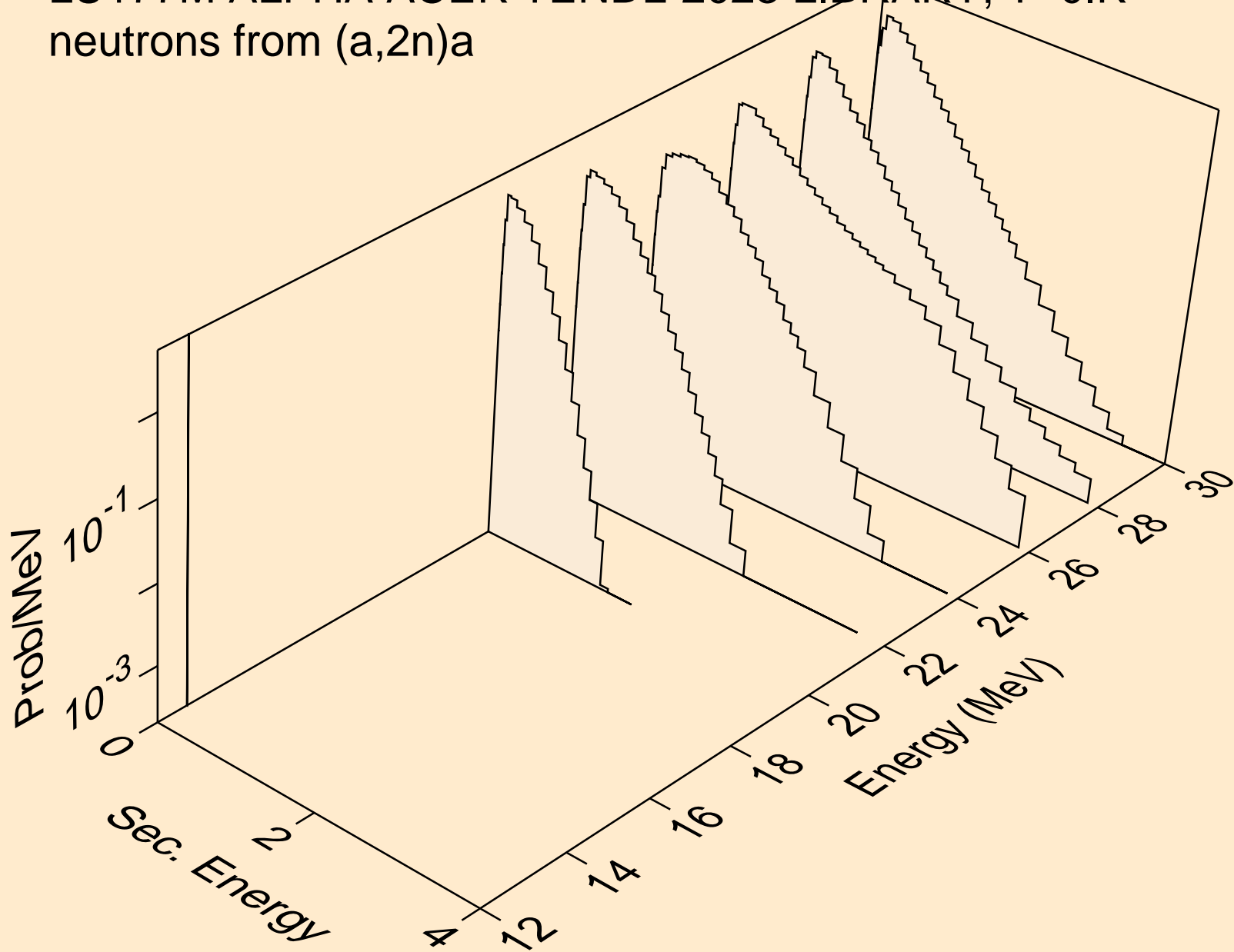


LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)a

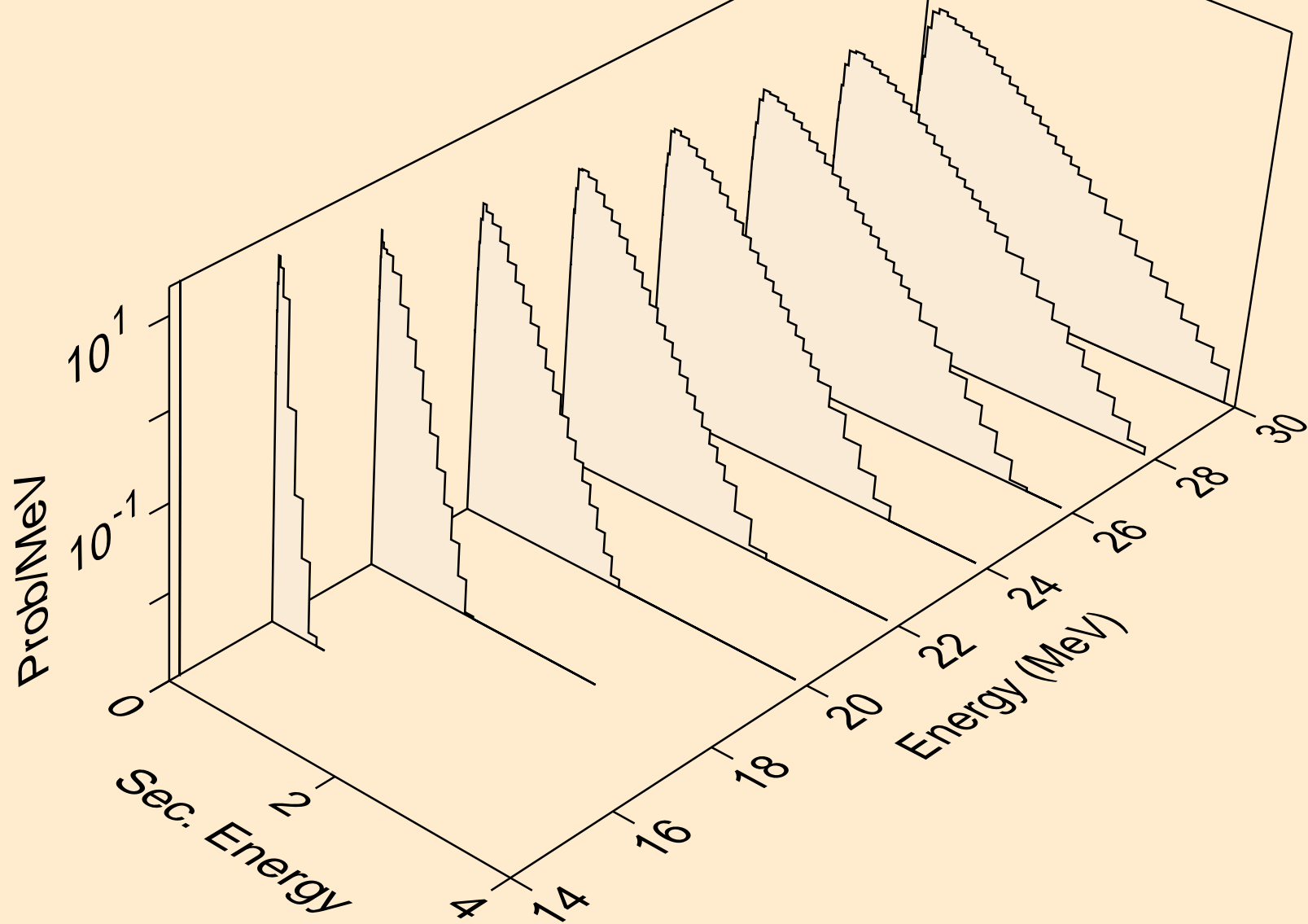




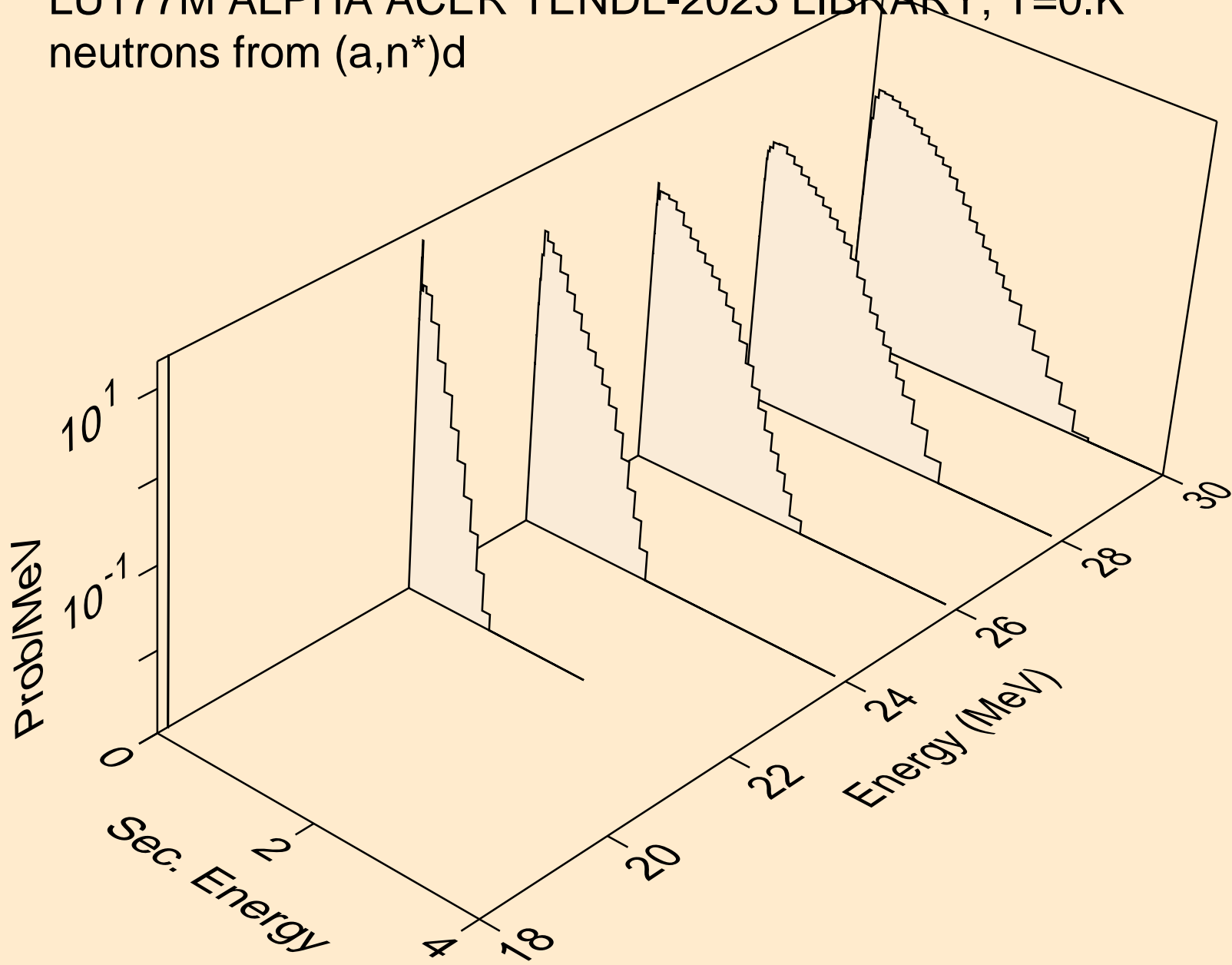
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neutrons from (a,2n)a



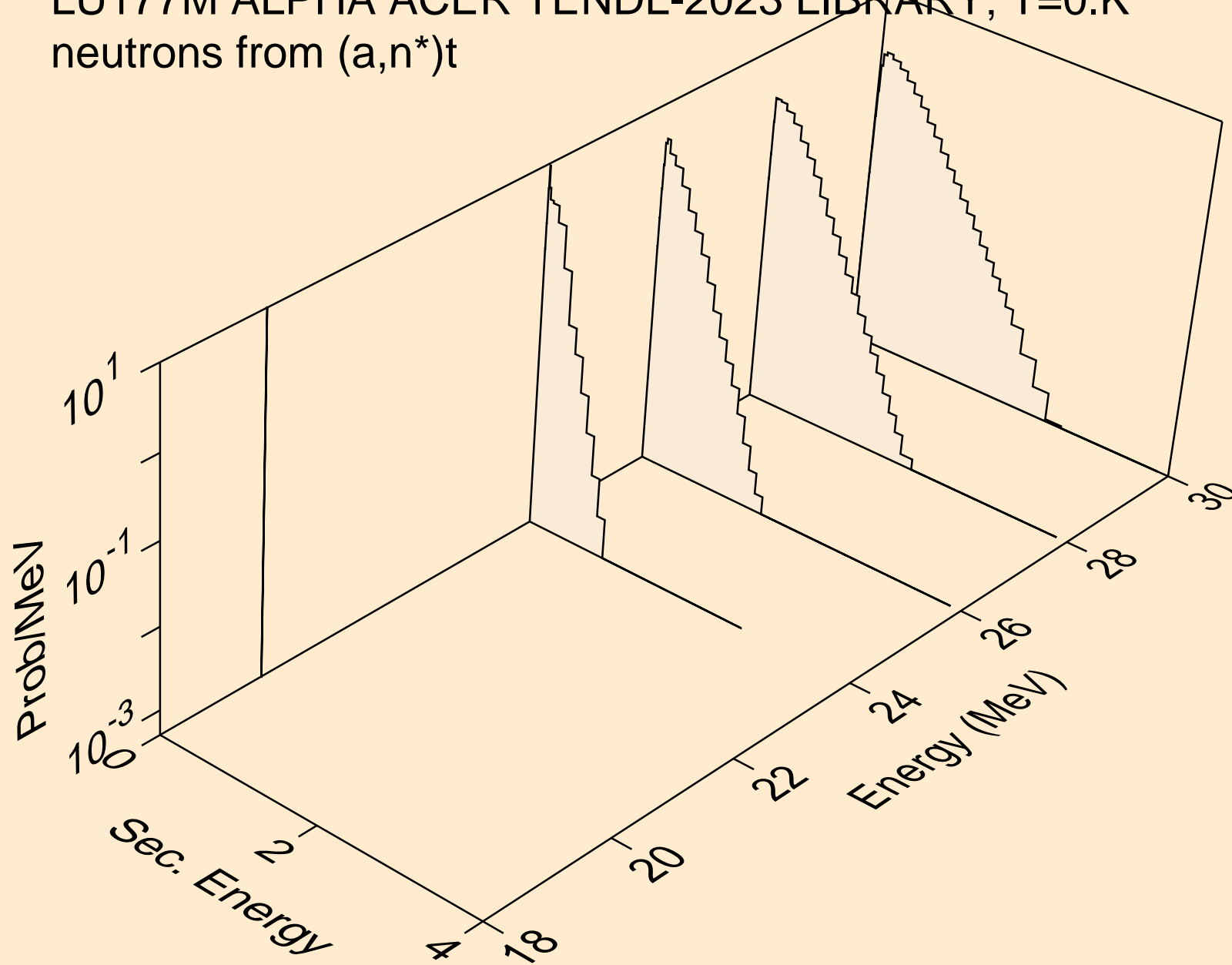
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neutrons from (a,n\*)p



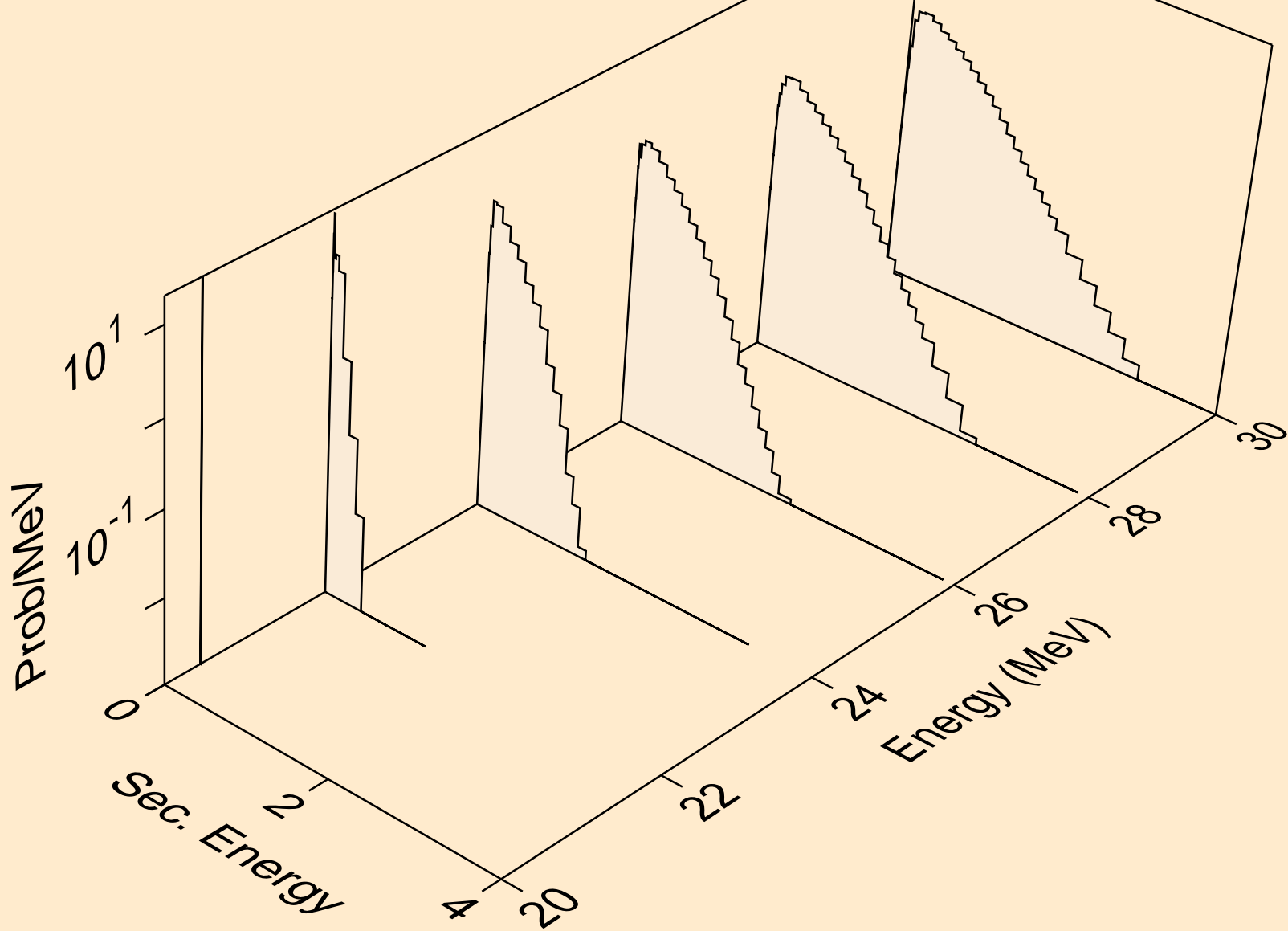
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neutrons from (a,n\*)d



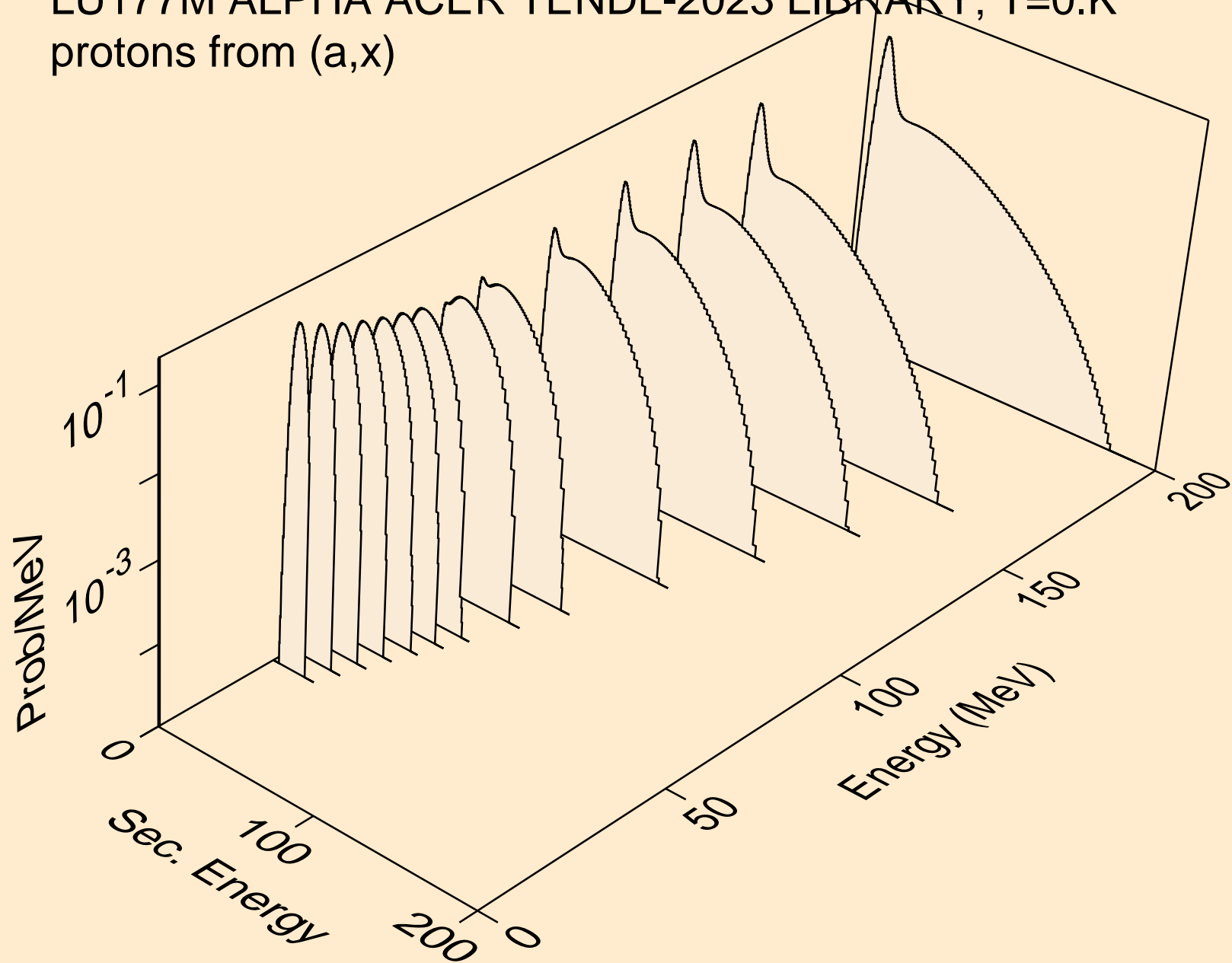
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neutrons from (a,n\*)t



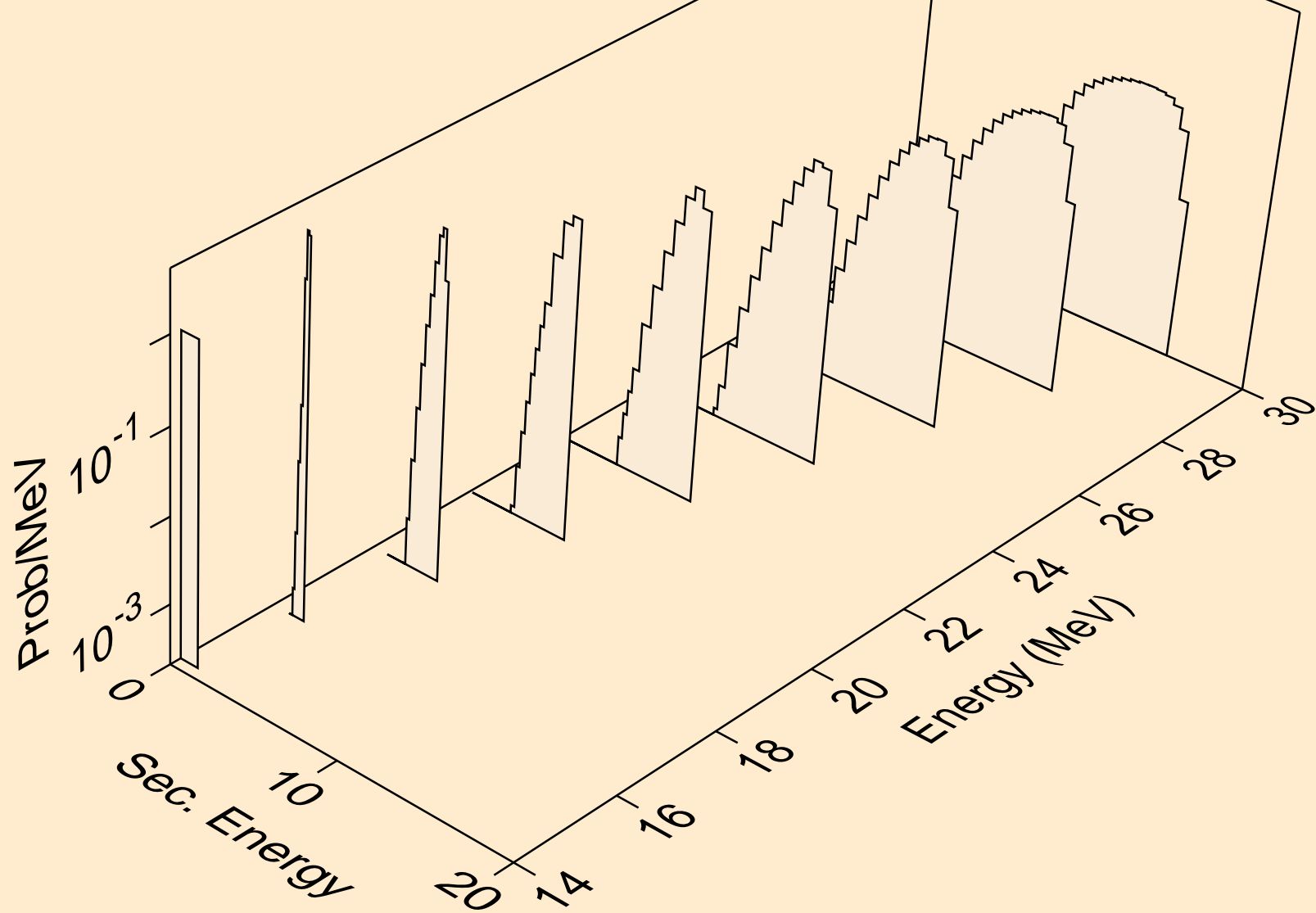
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neutrons from (a,2np)



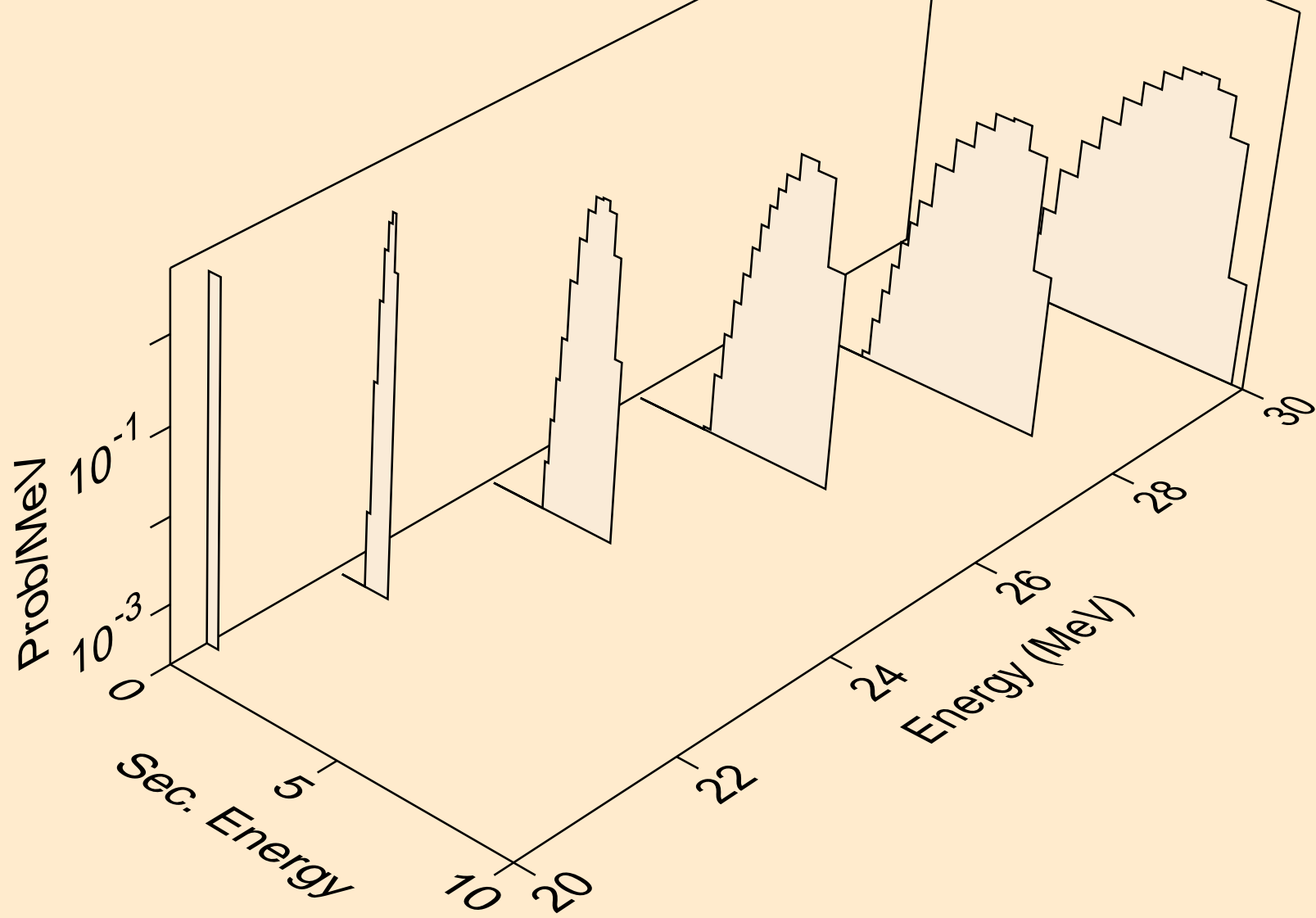
LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,x)



LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,n\*)p

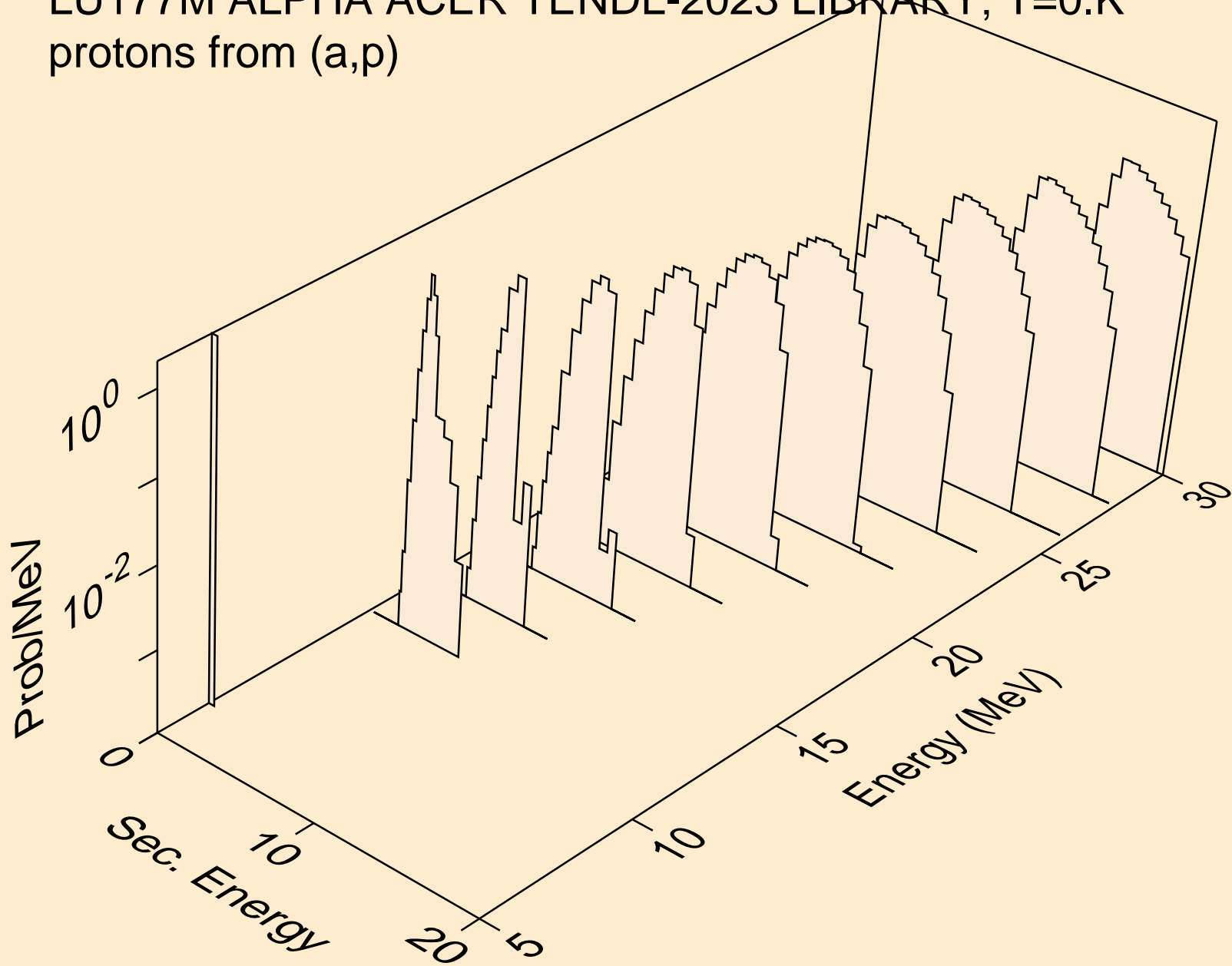


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protons from (a,2np)

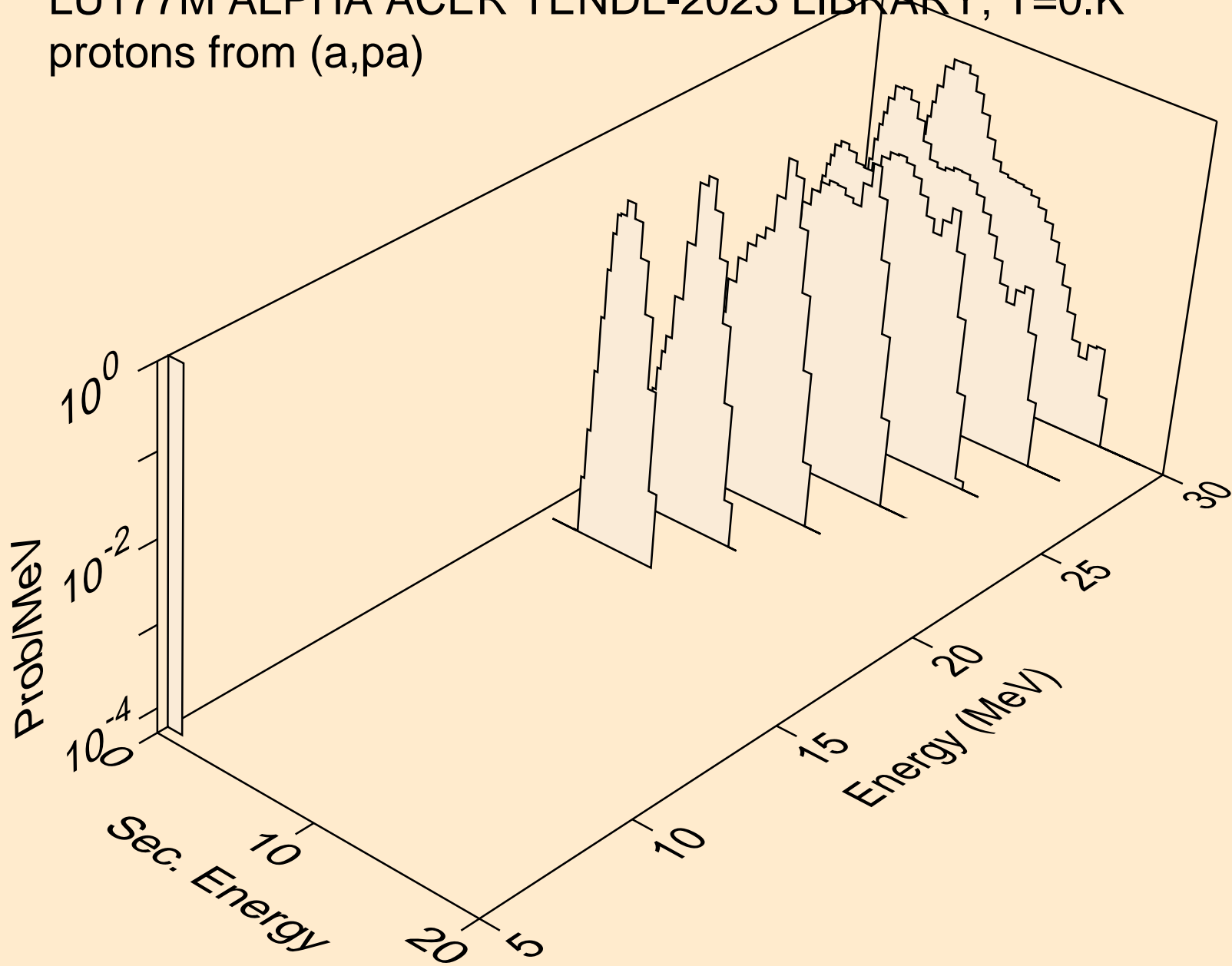




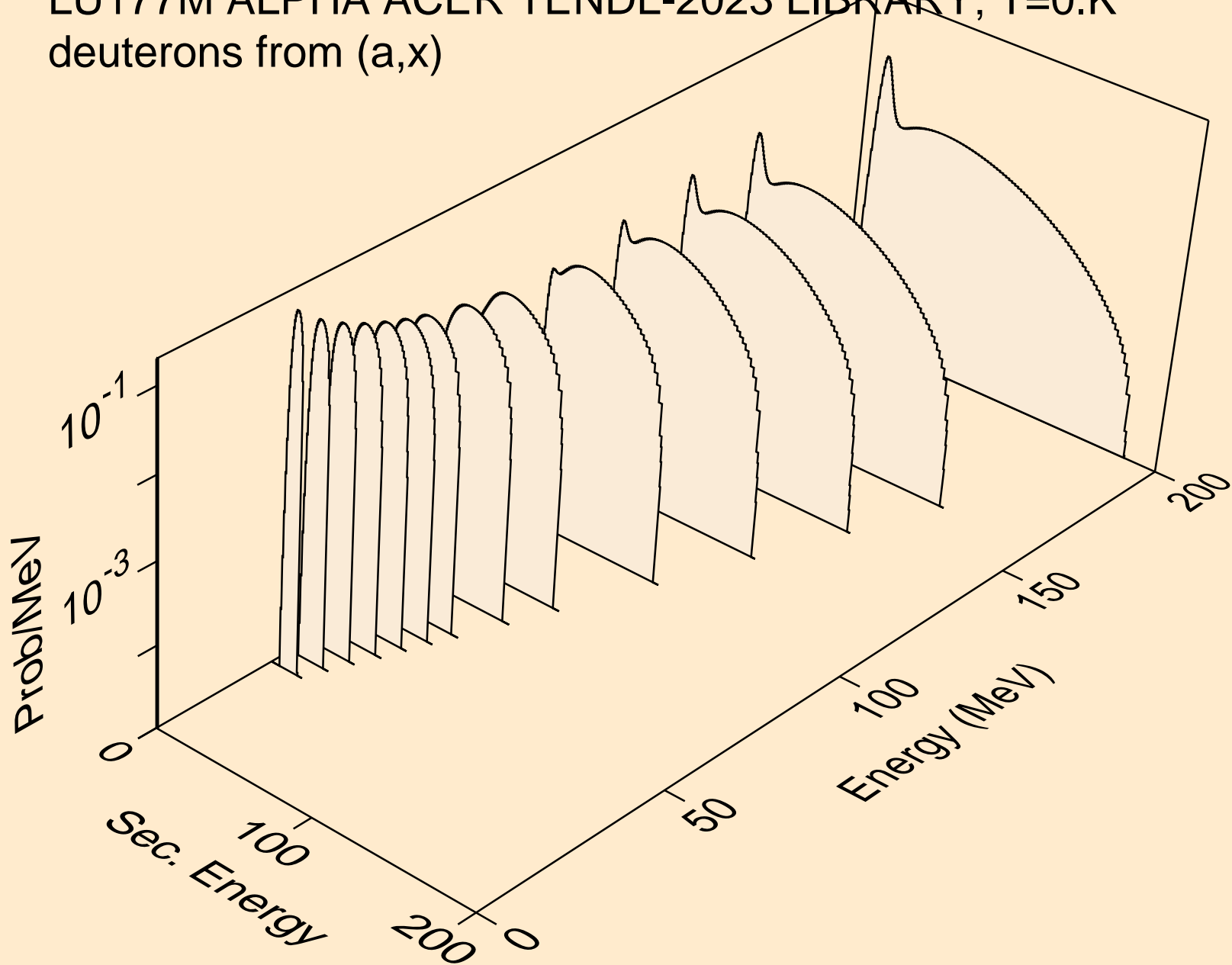
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protons from (a,p)



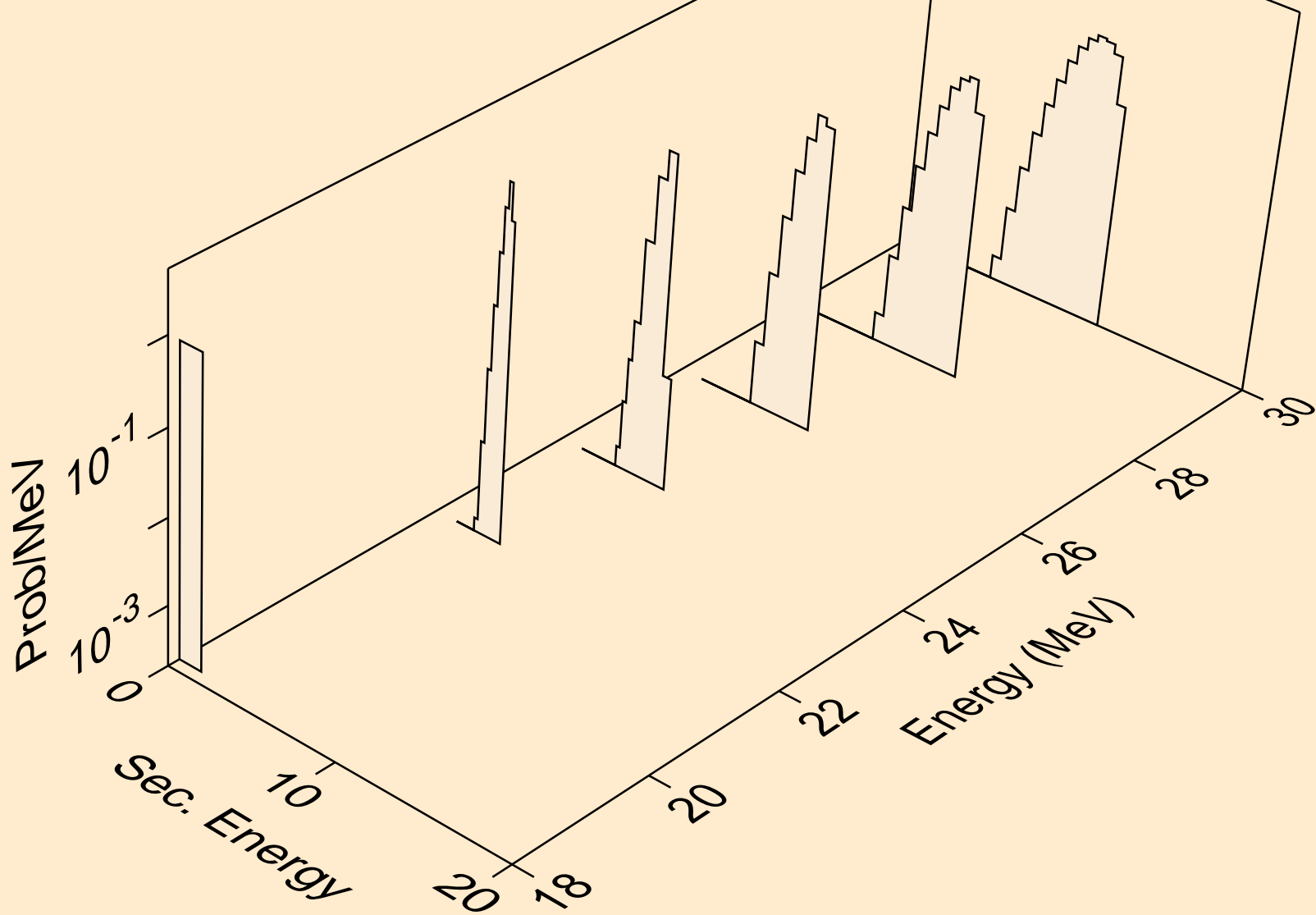
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protons from (a,pa)



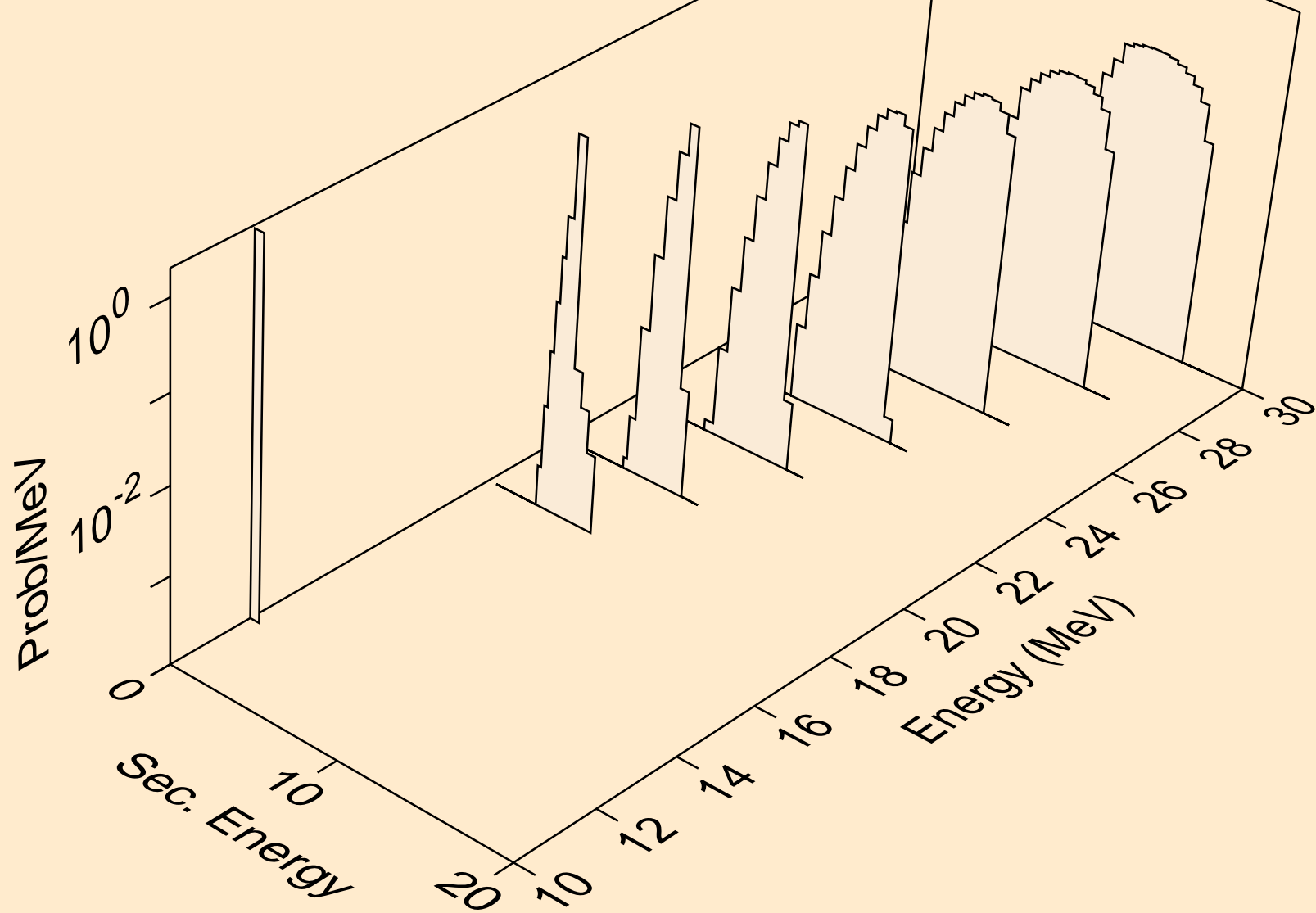
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deuterons from (a,x)



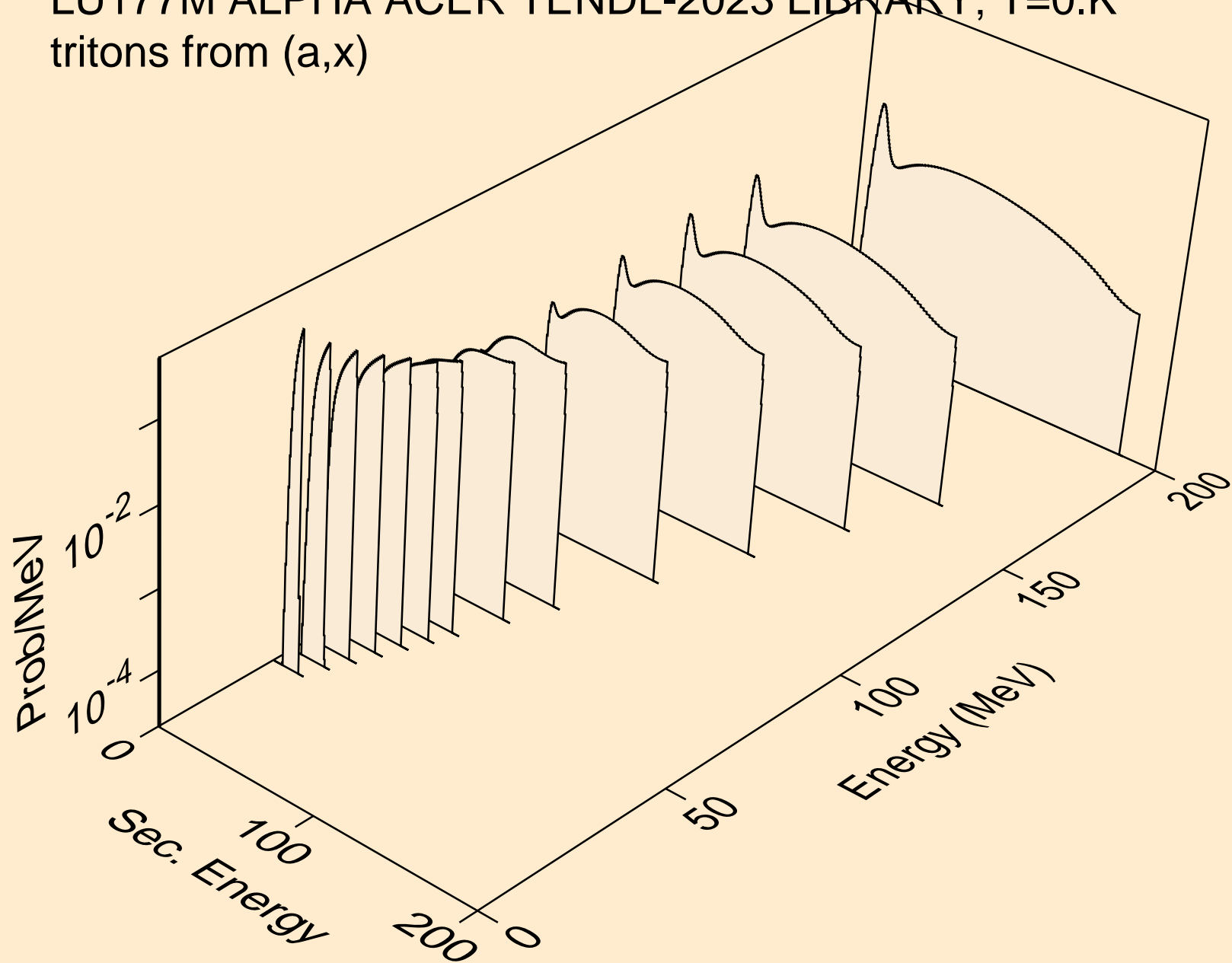
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deuterons from (a,n\*)d



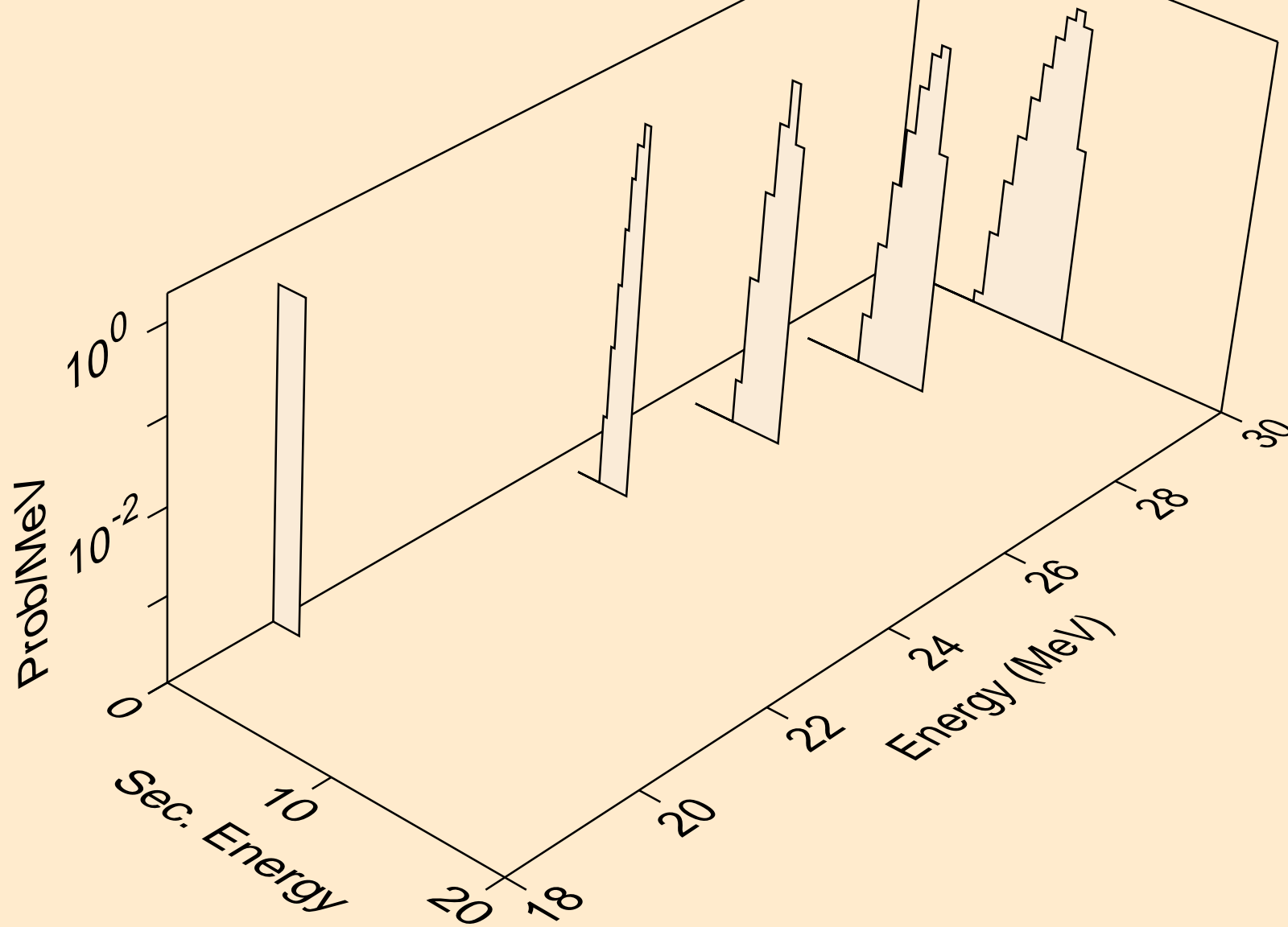
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deuterons from (a,d)



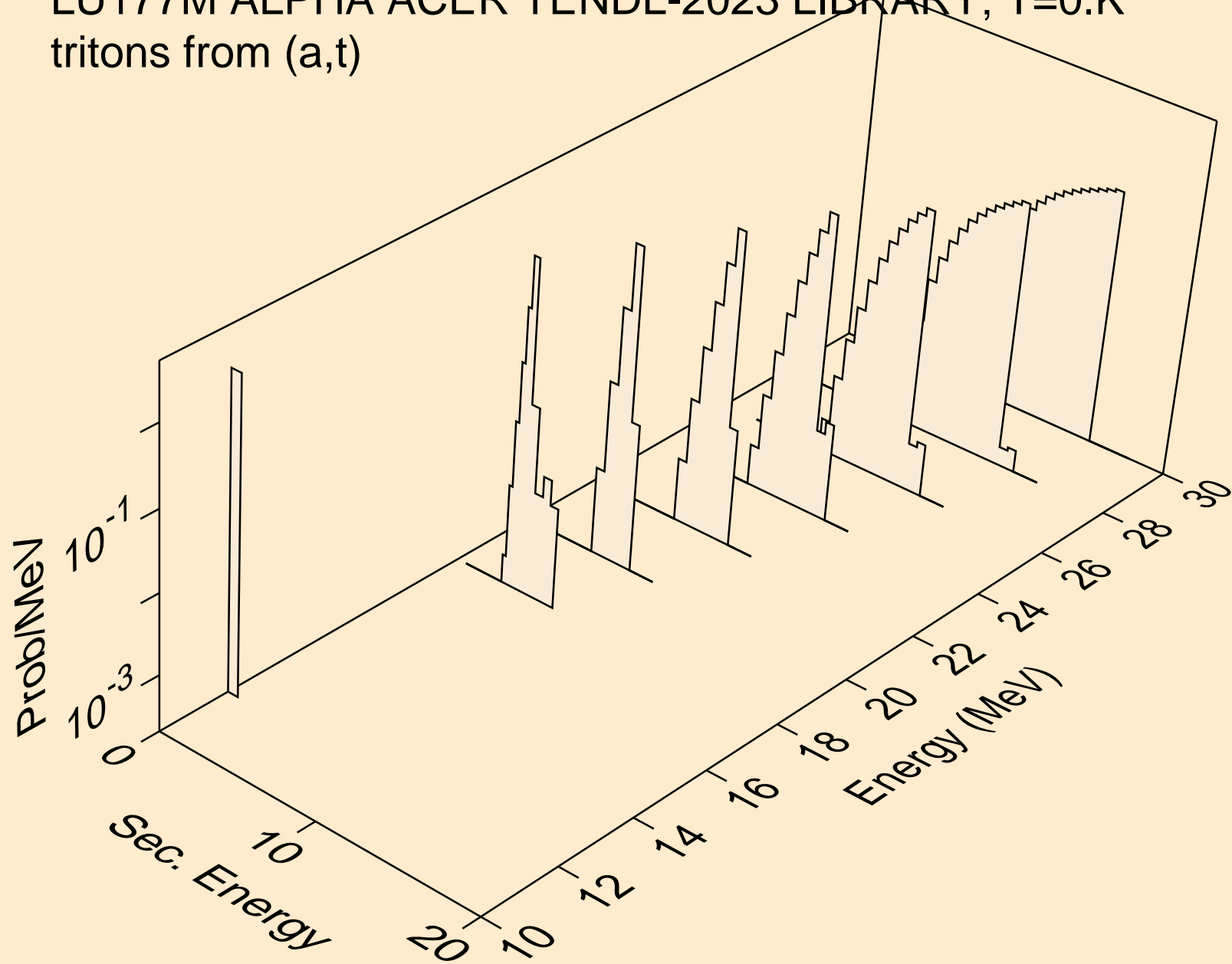
LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,x)



LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,n\*)t

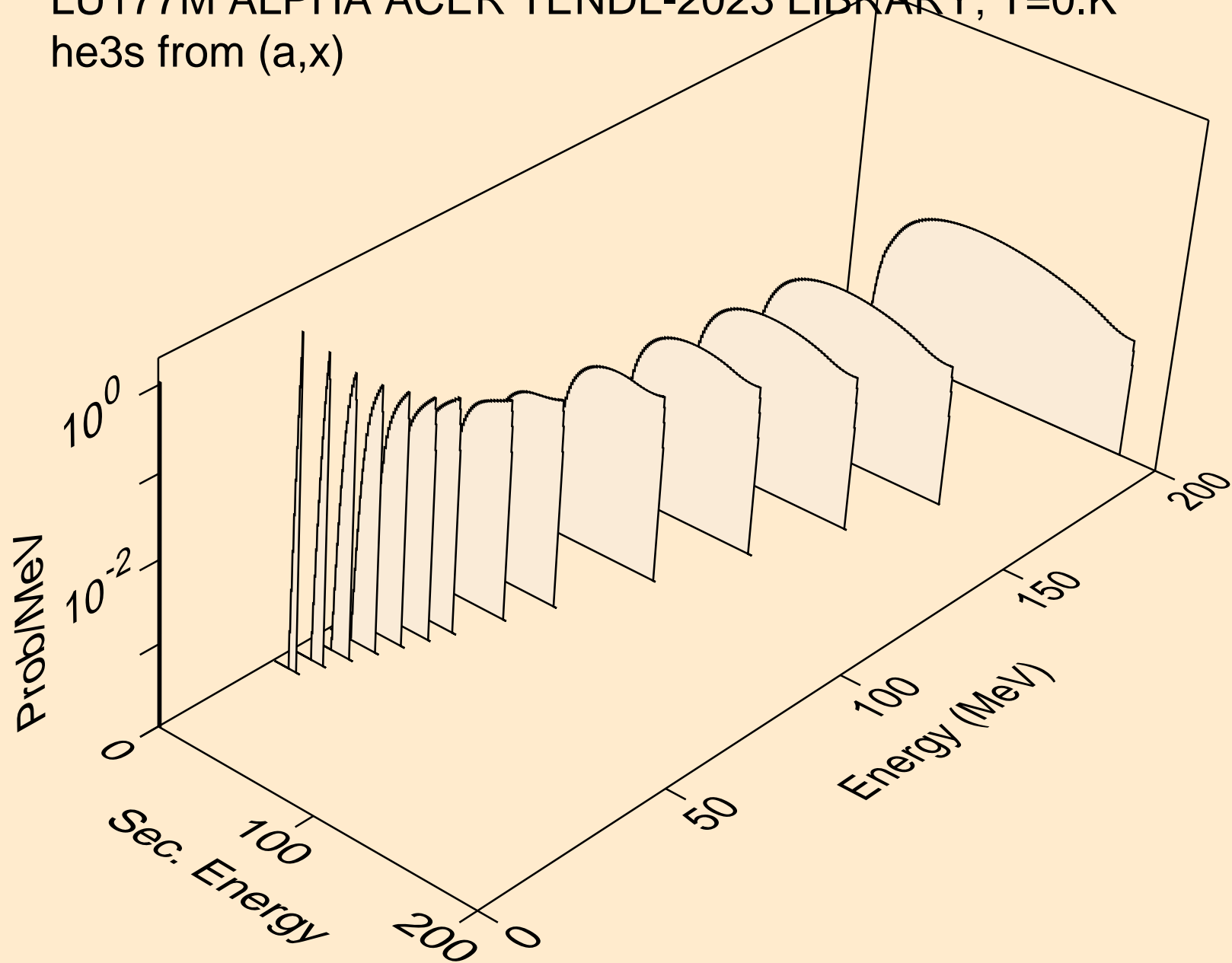


LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,t)





LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,x)



LU177M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,he3)

