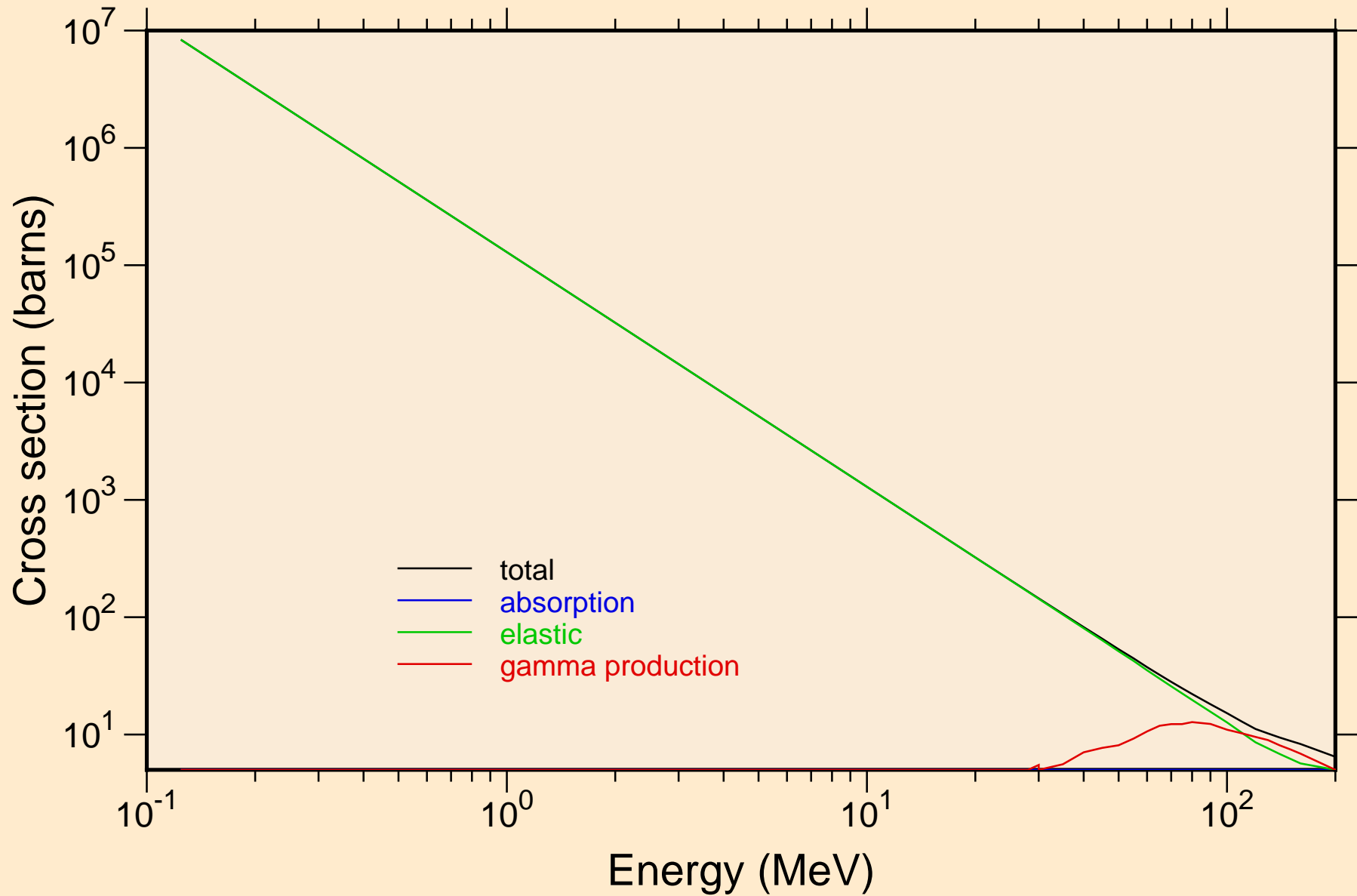
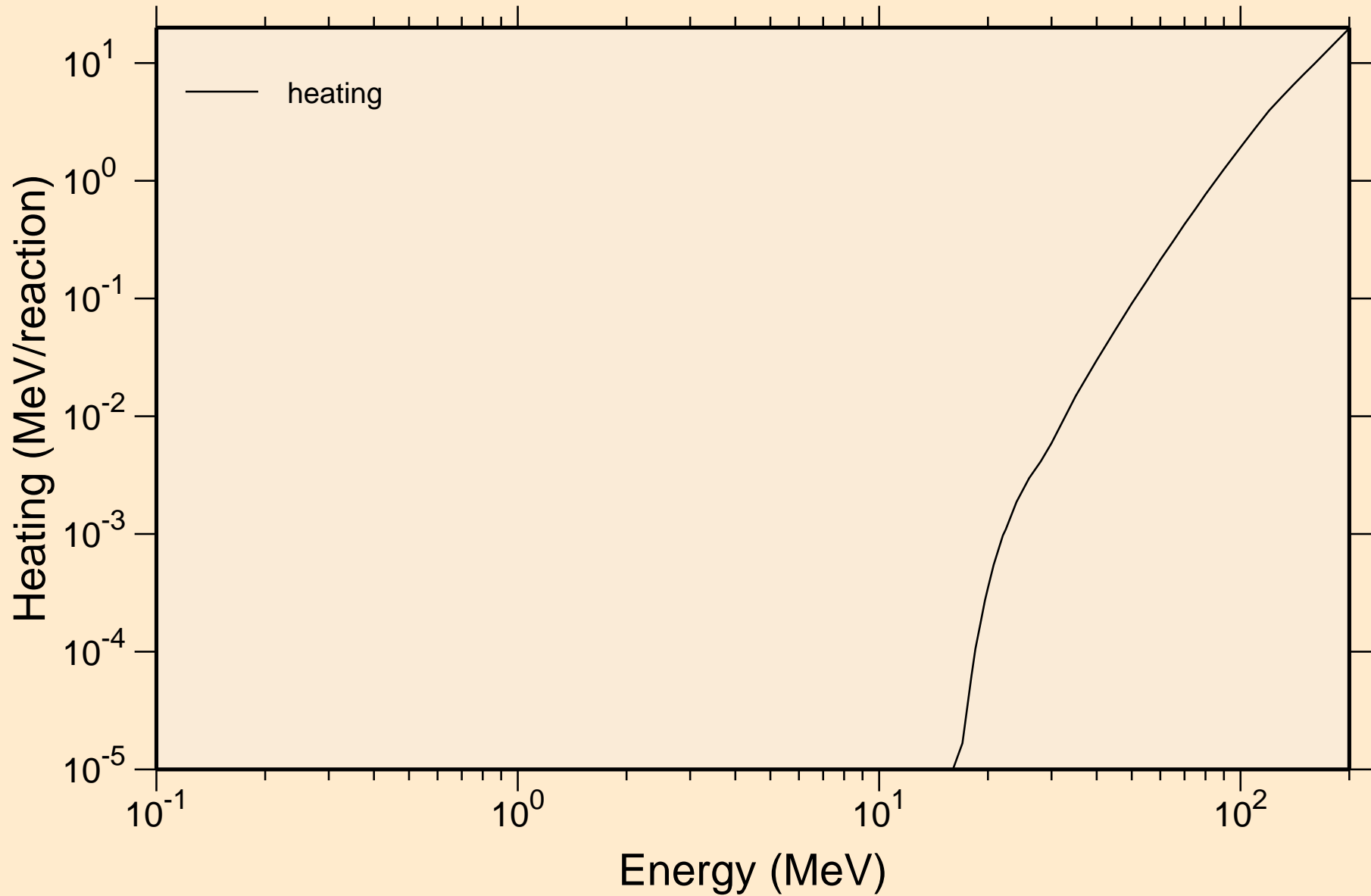


LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



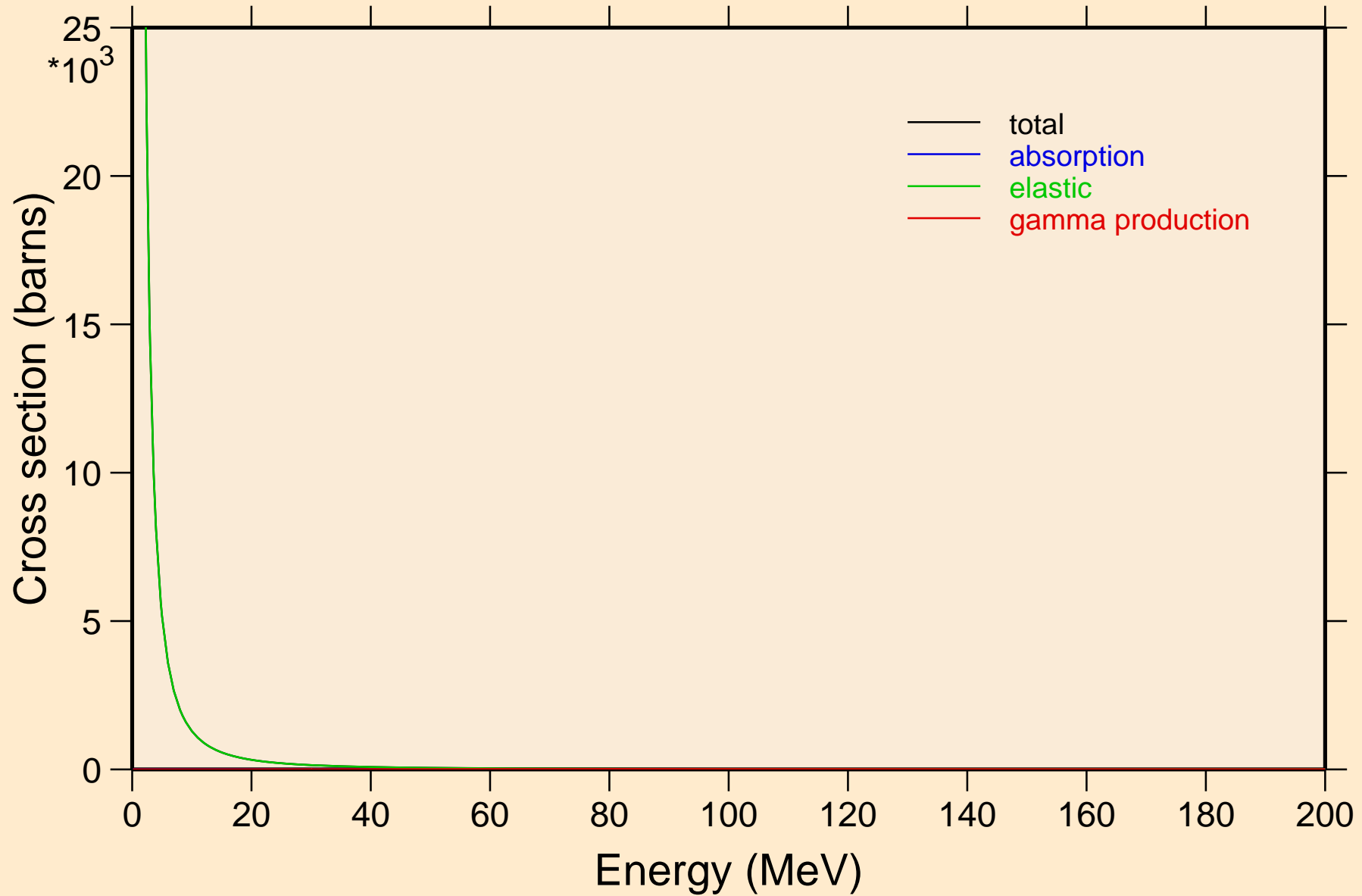
LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Heating



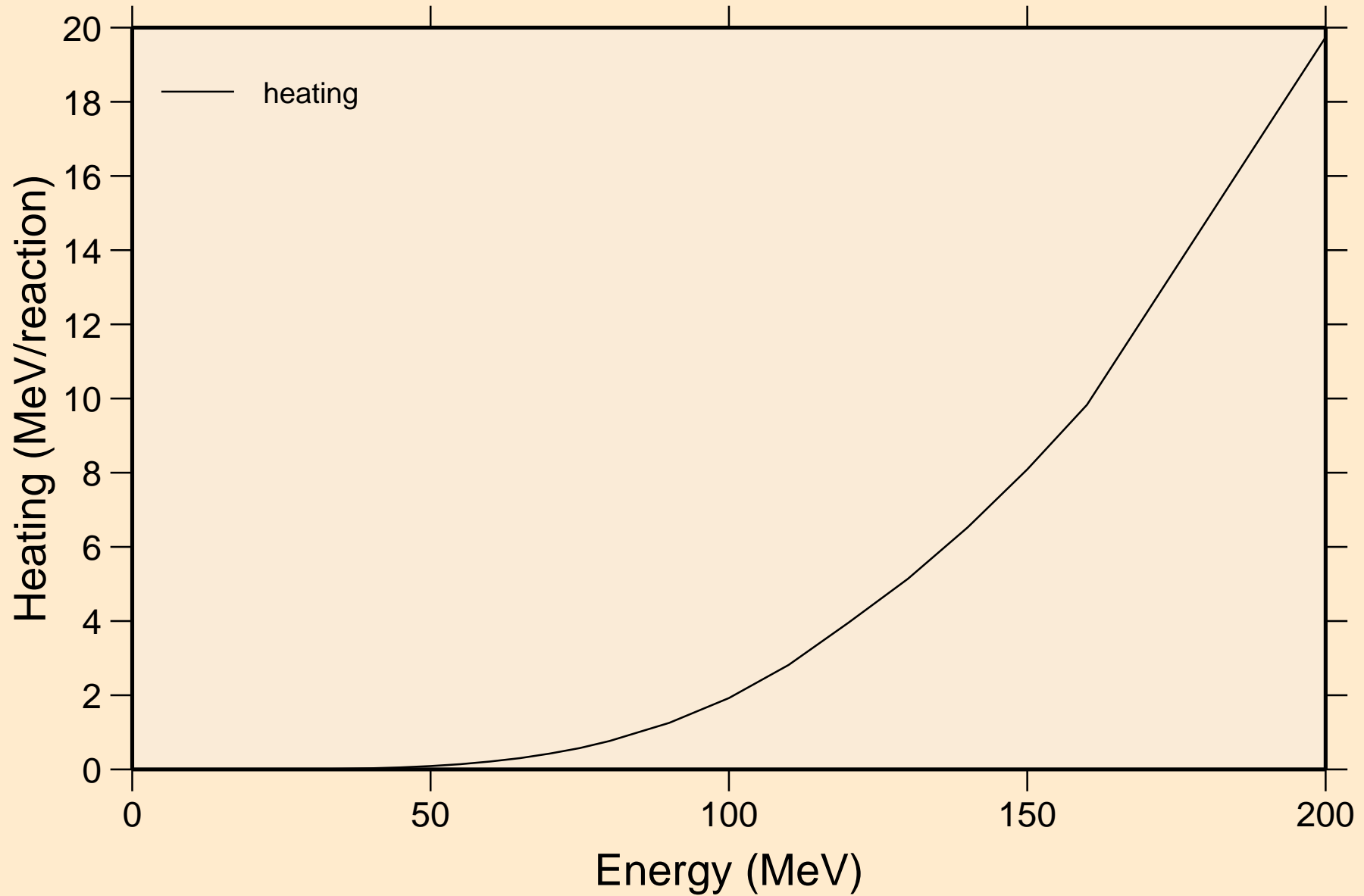
# LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

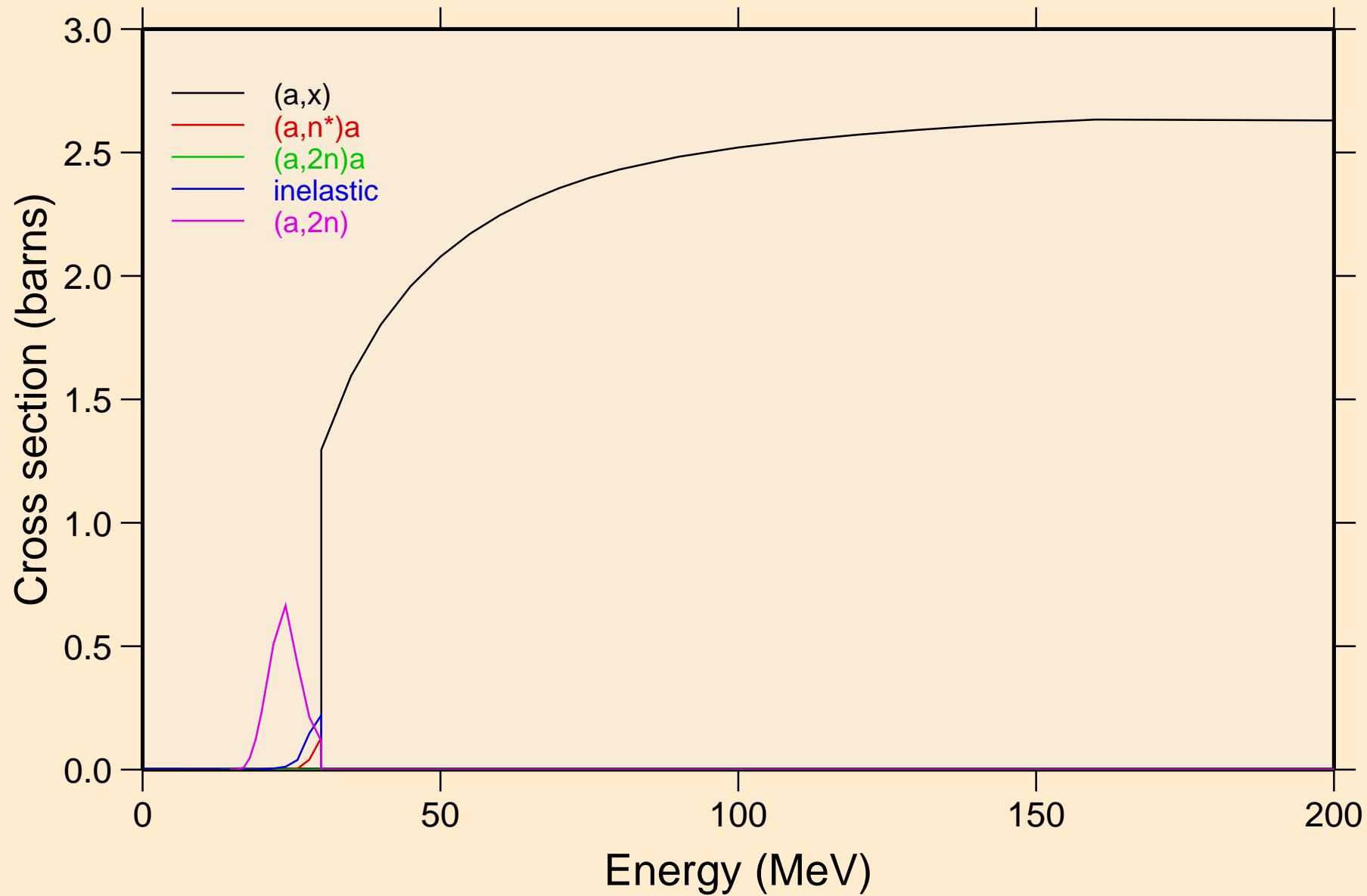


LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

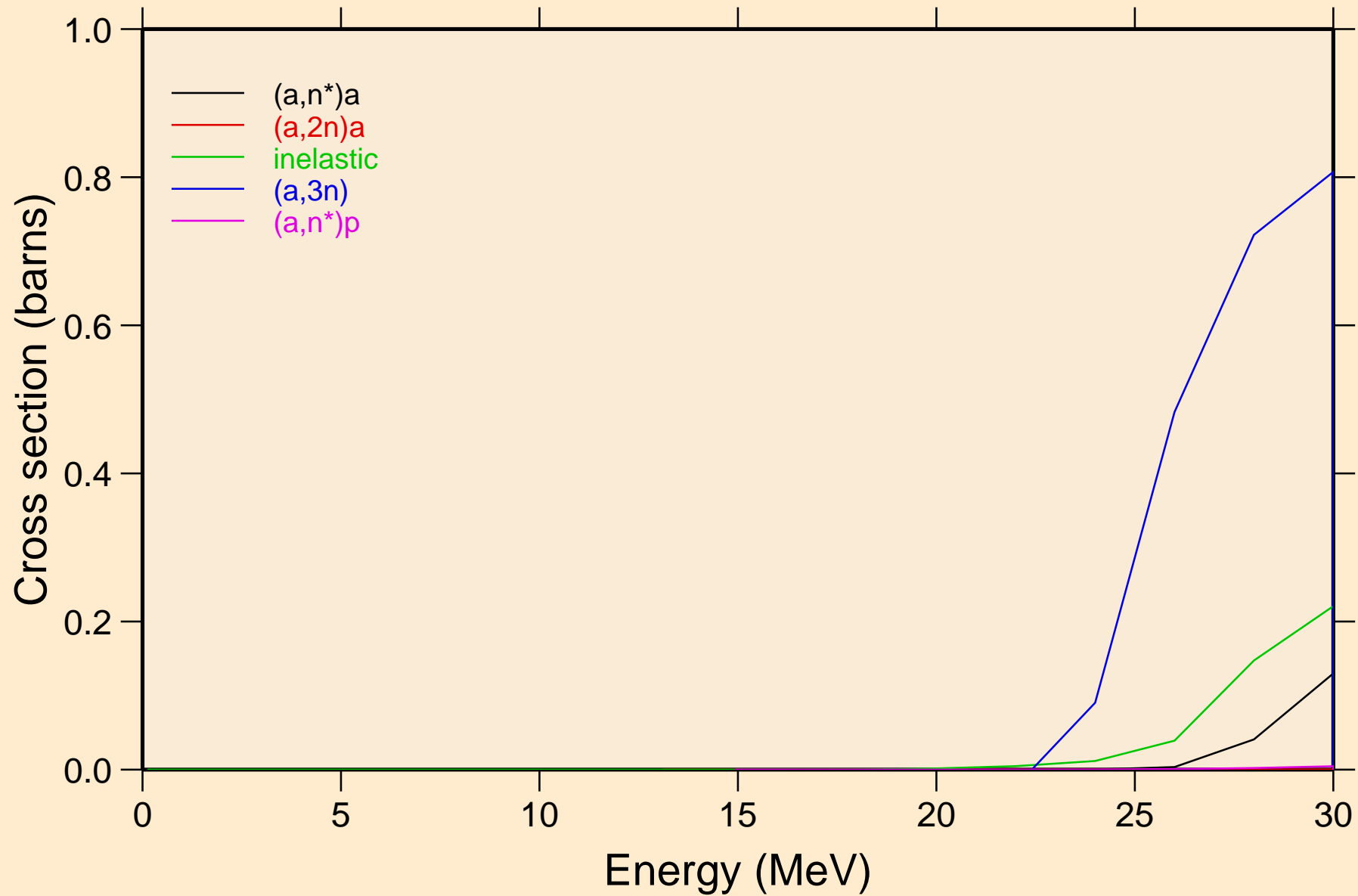
Heating



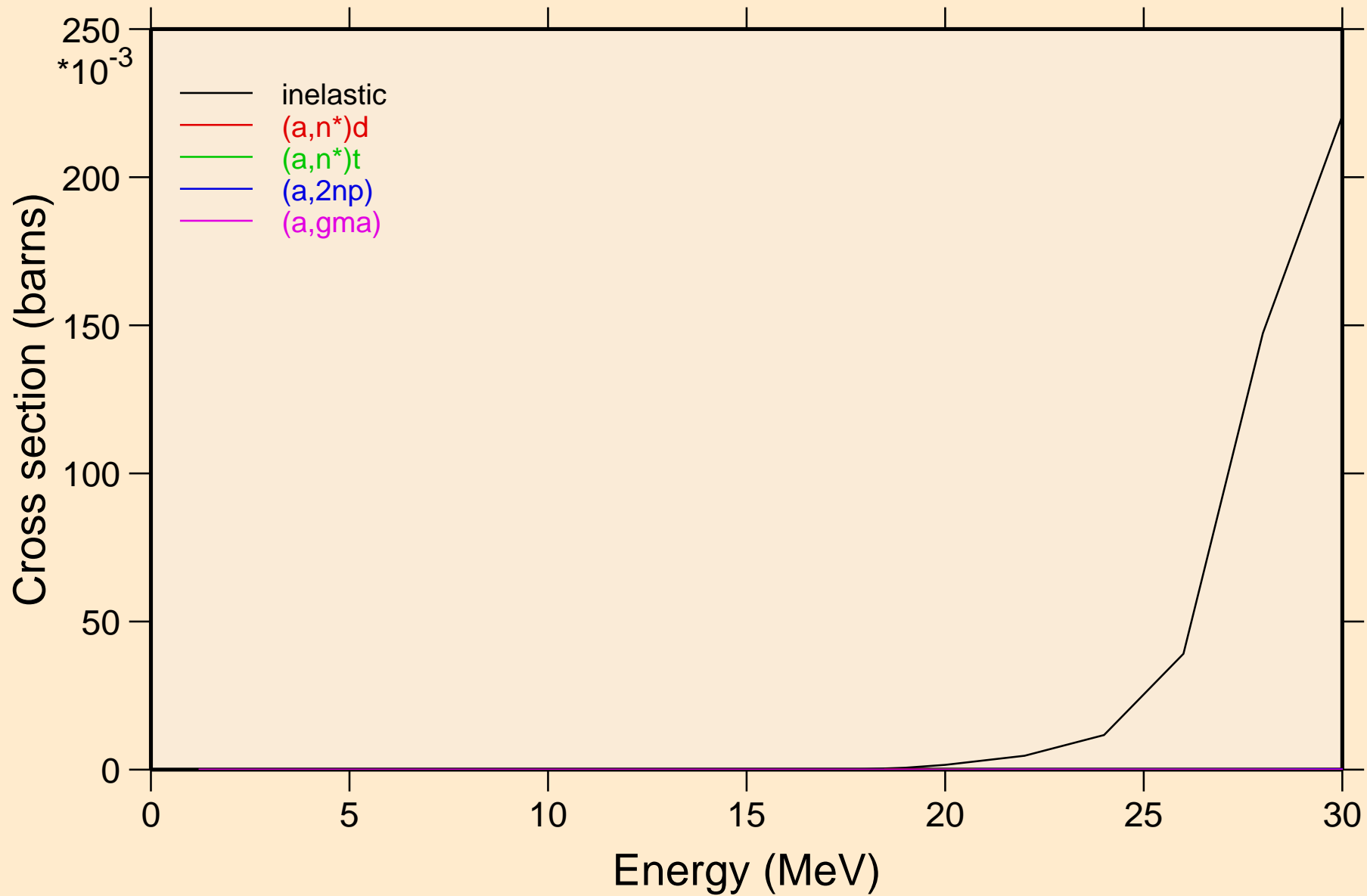
LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



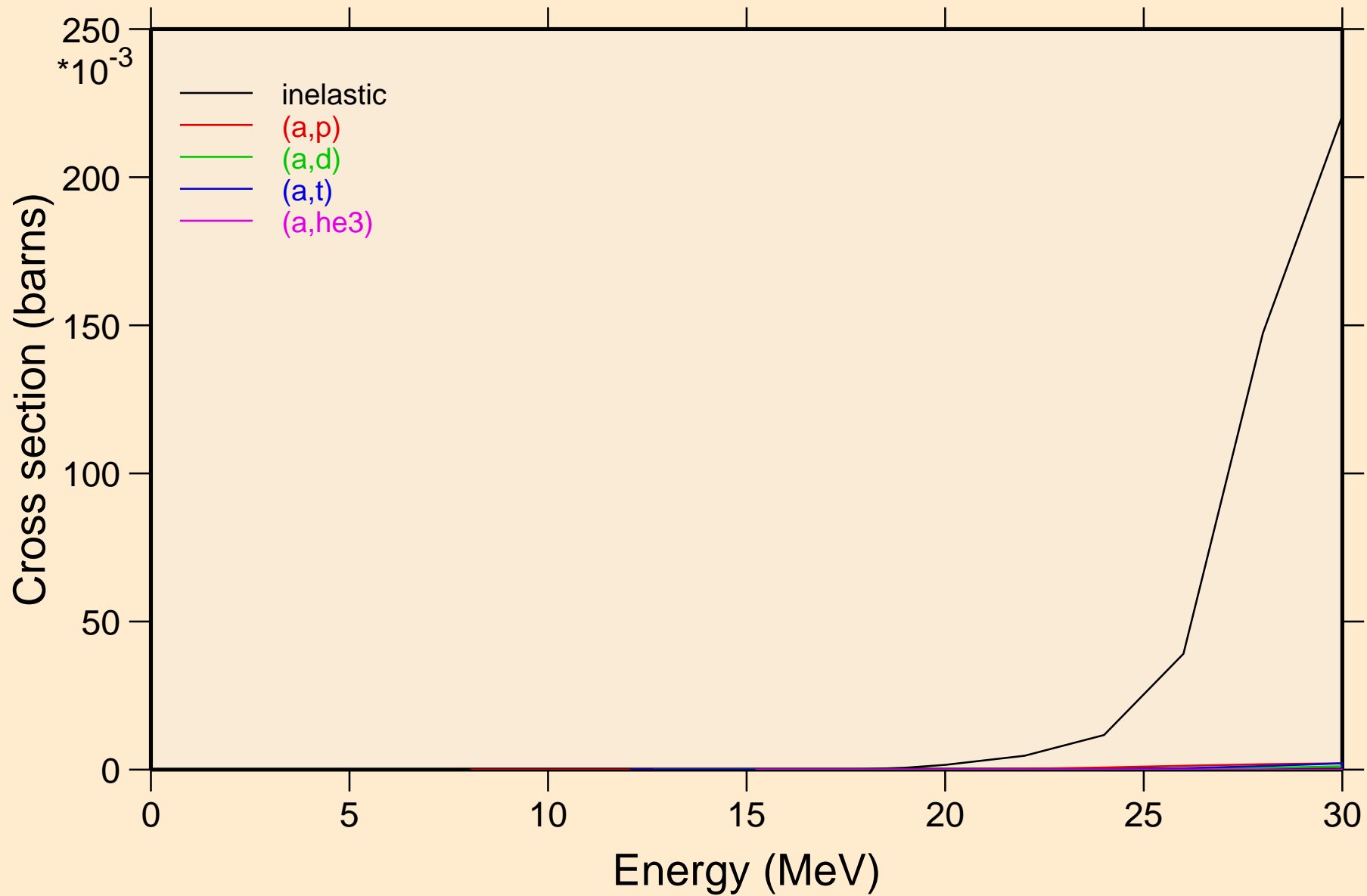
LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

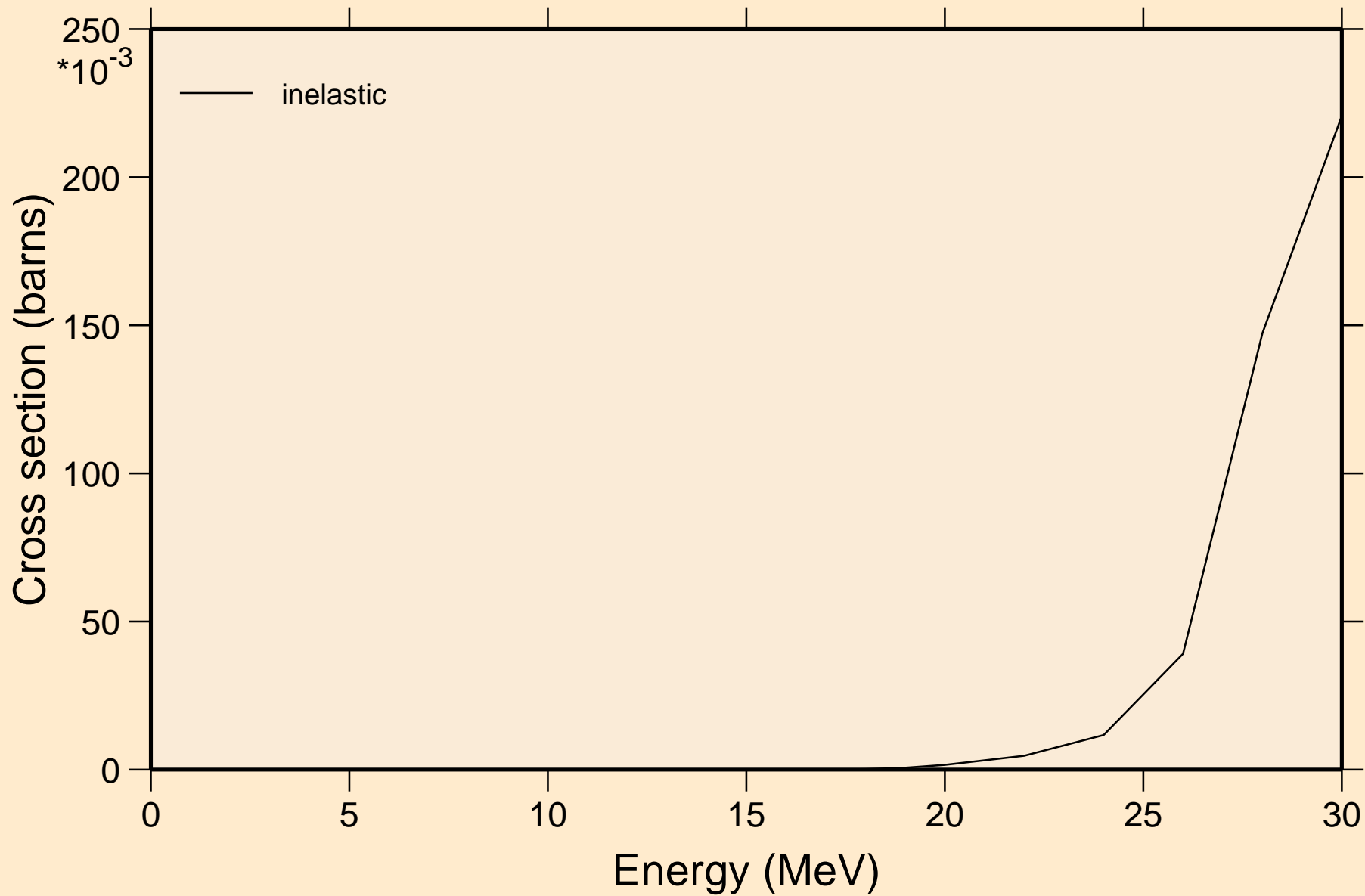


LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

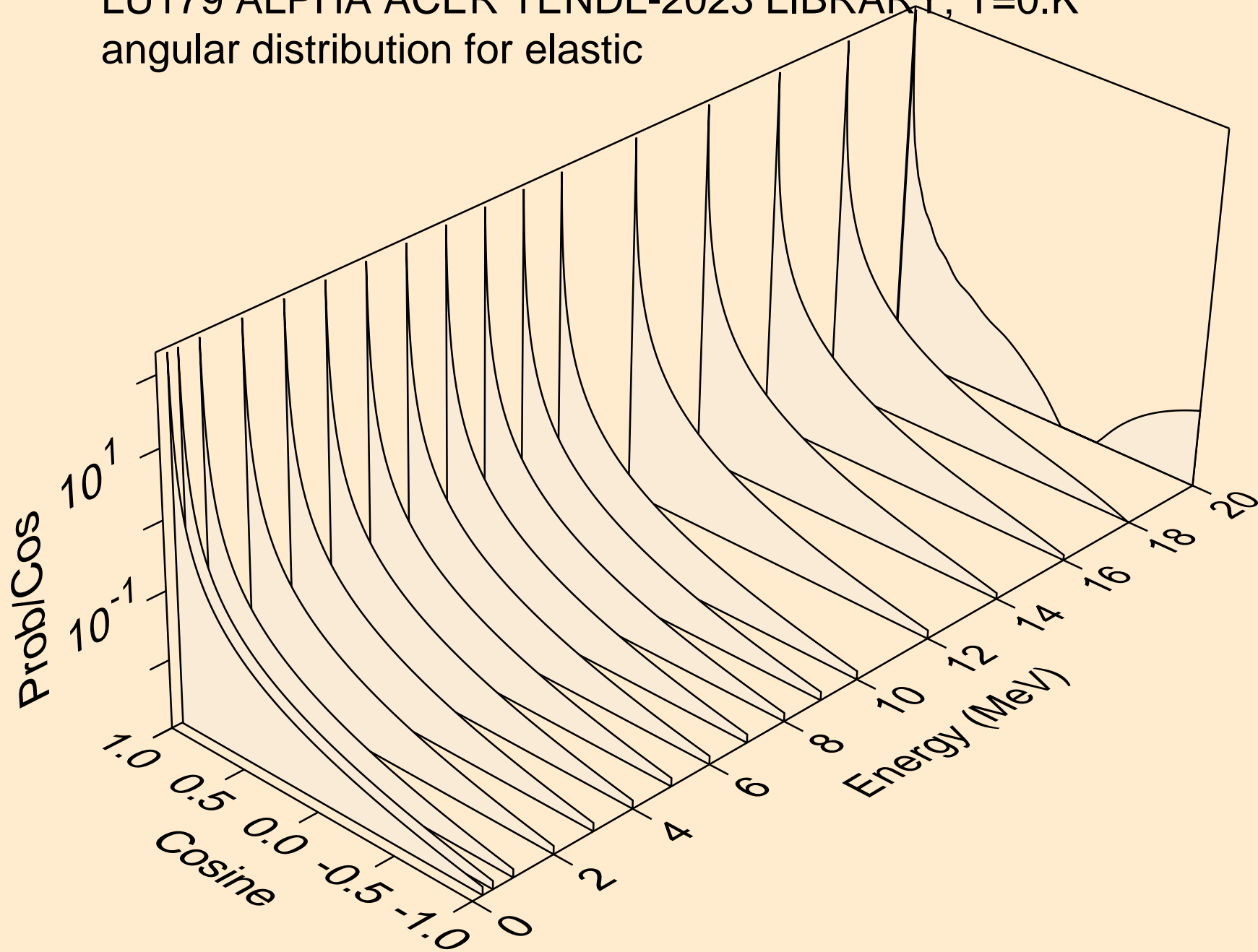




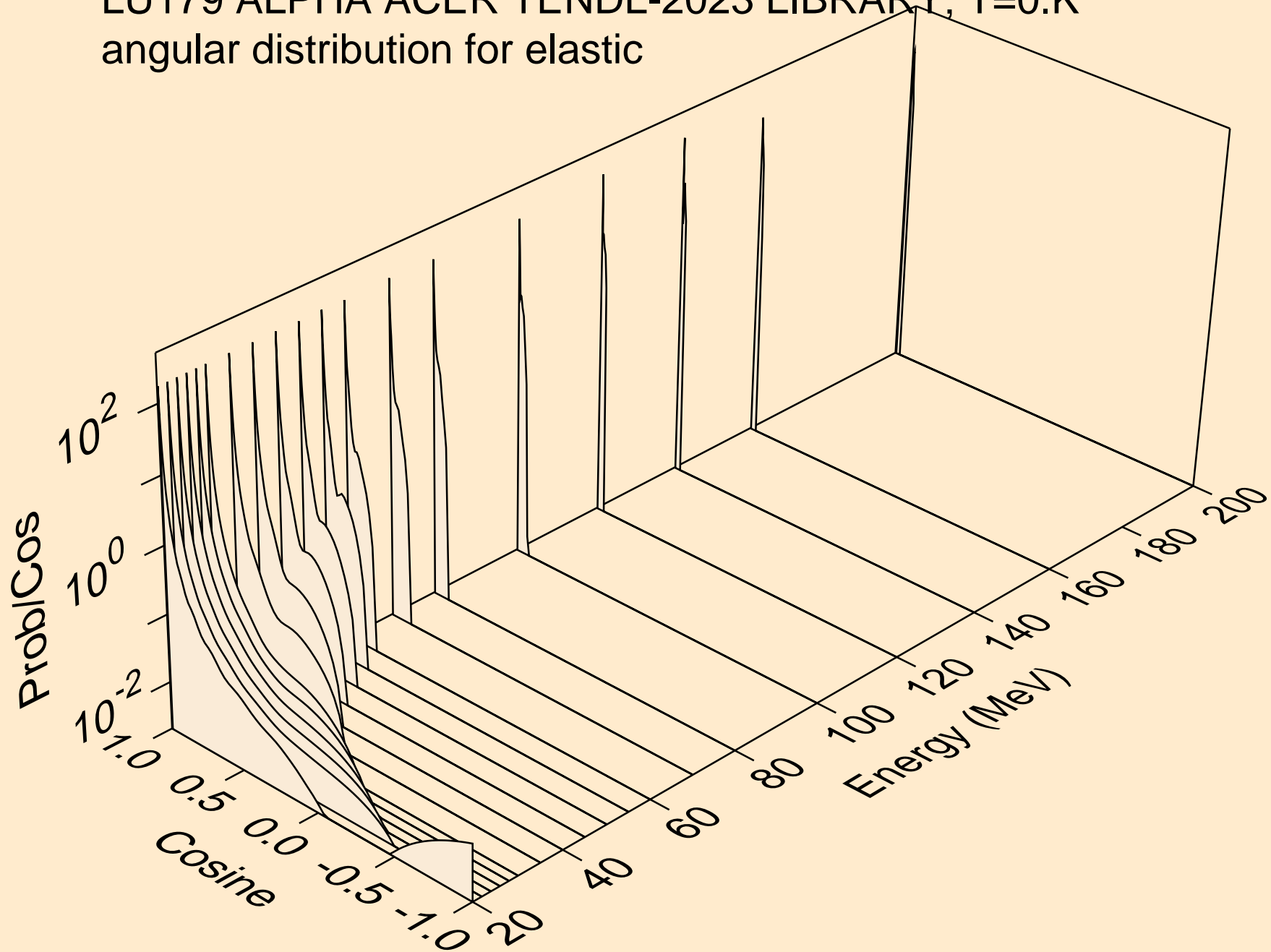
LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



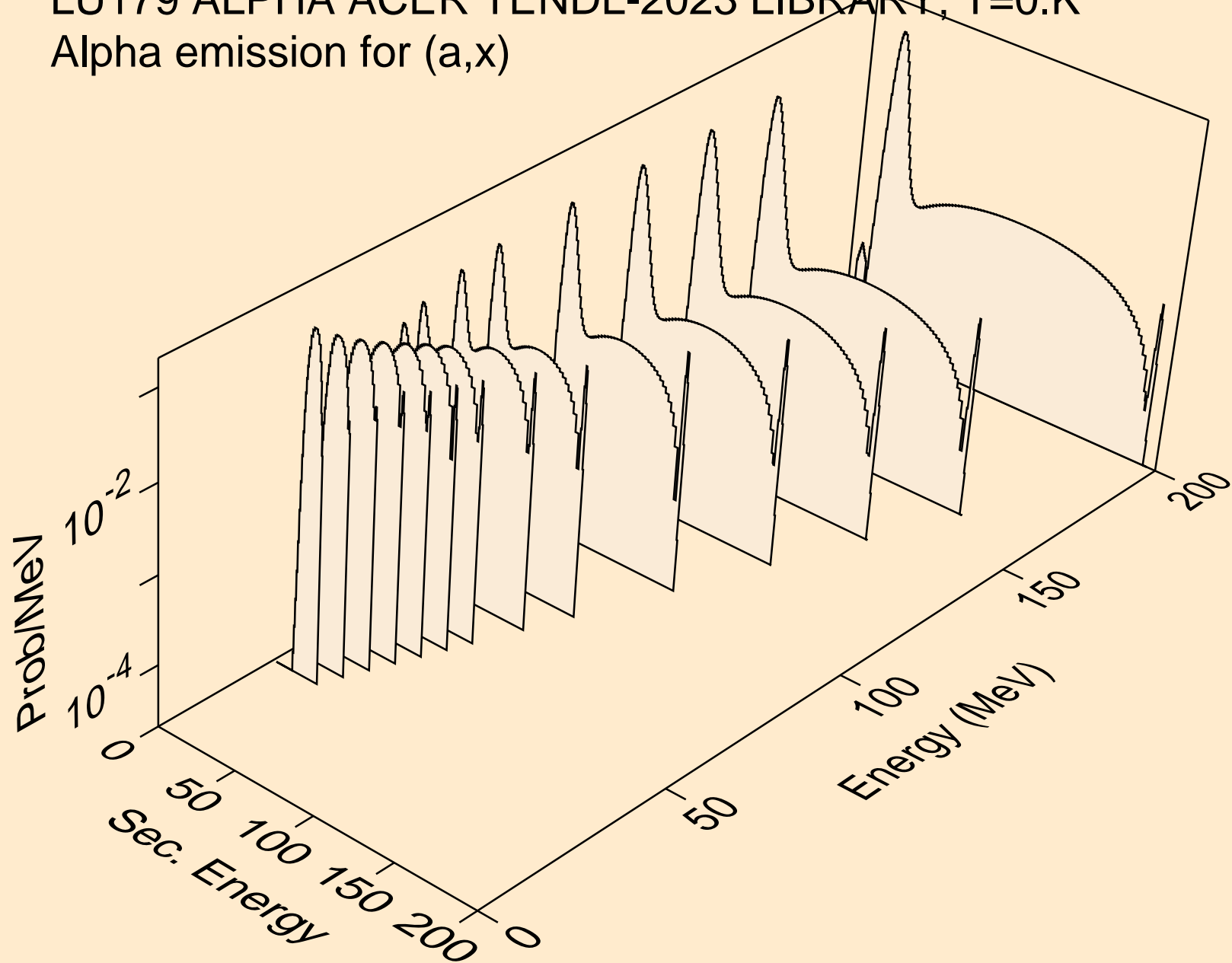
LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



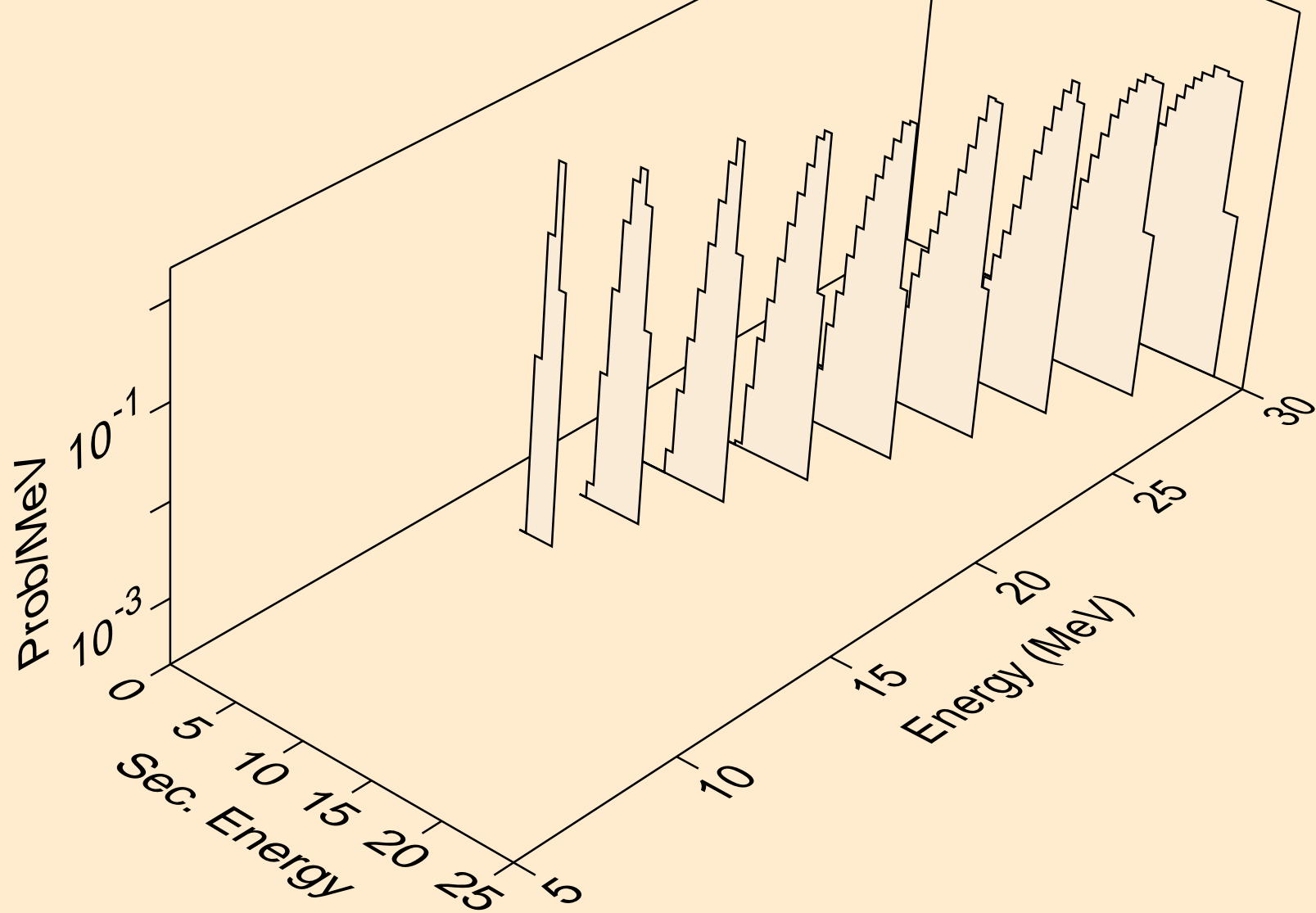
LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



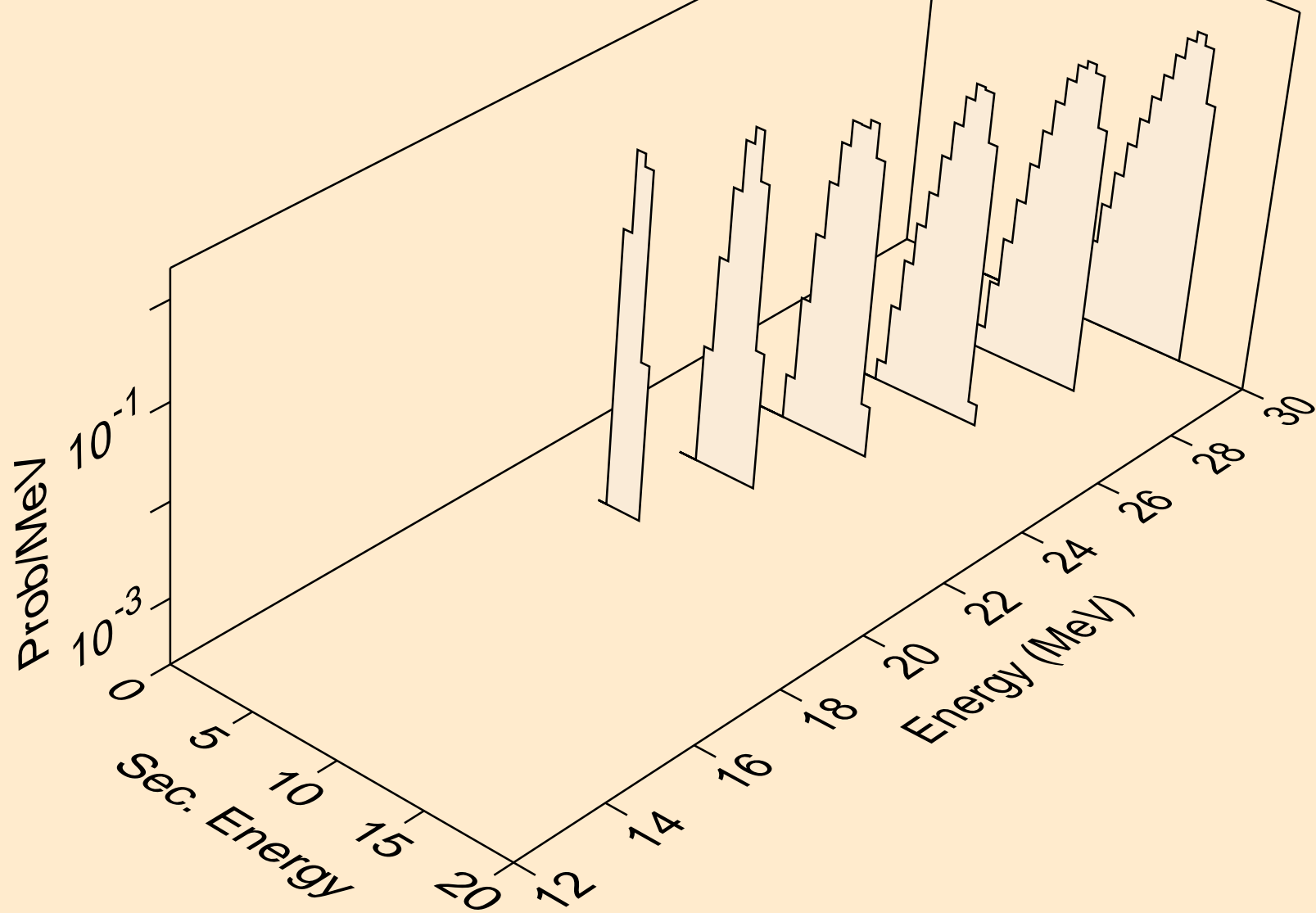
LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,x)



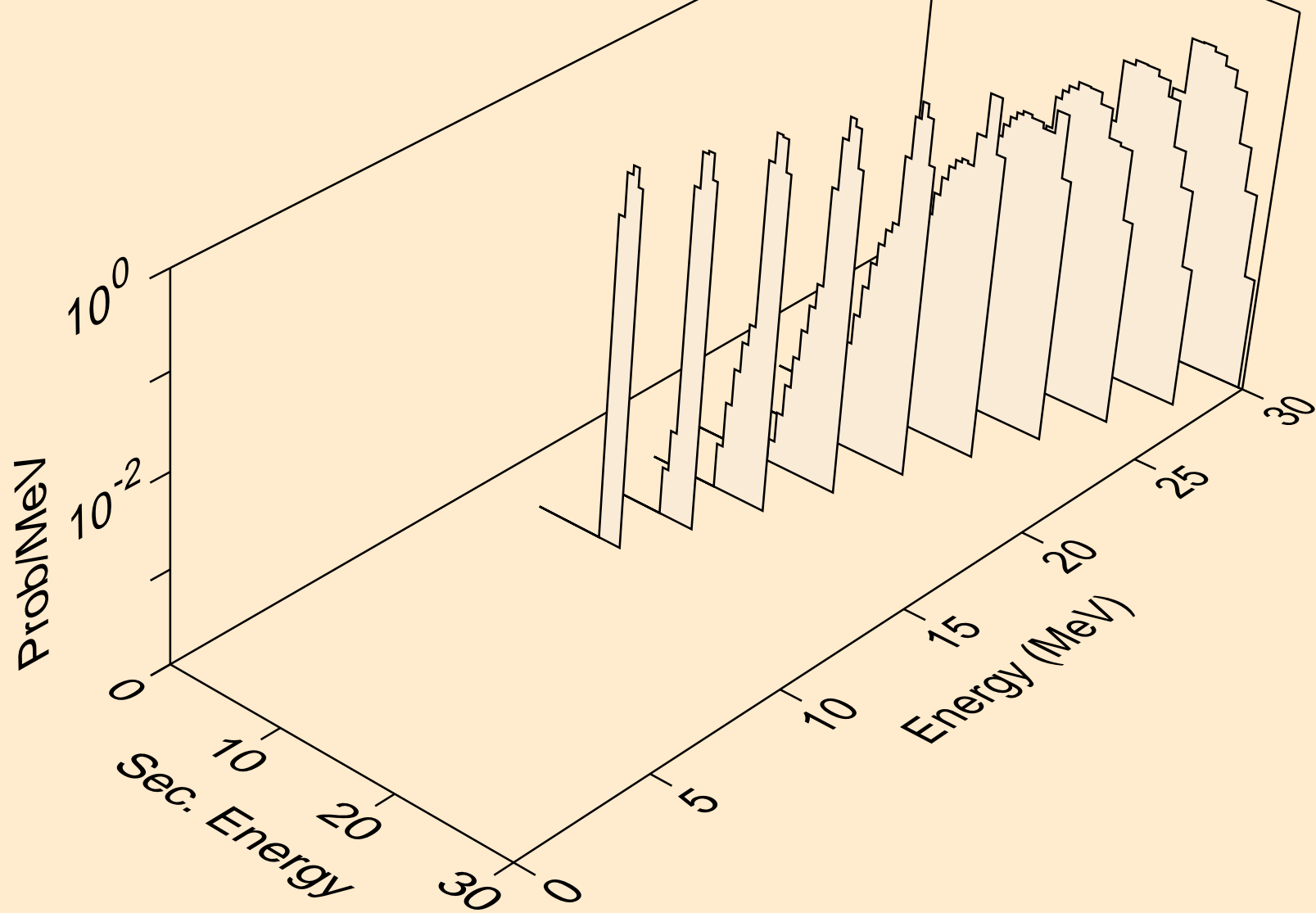
LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,n\*)a



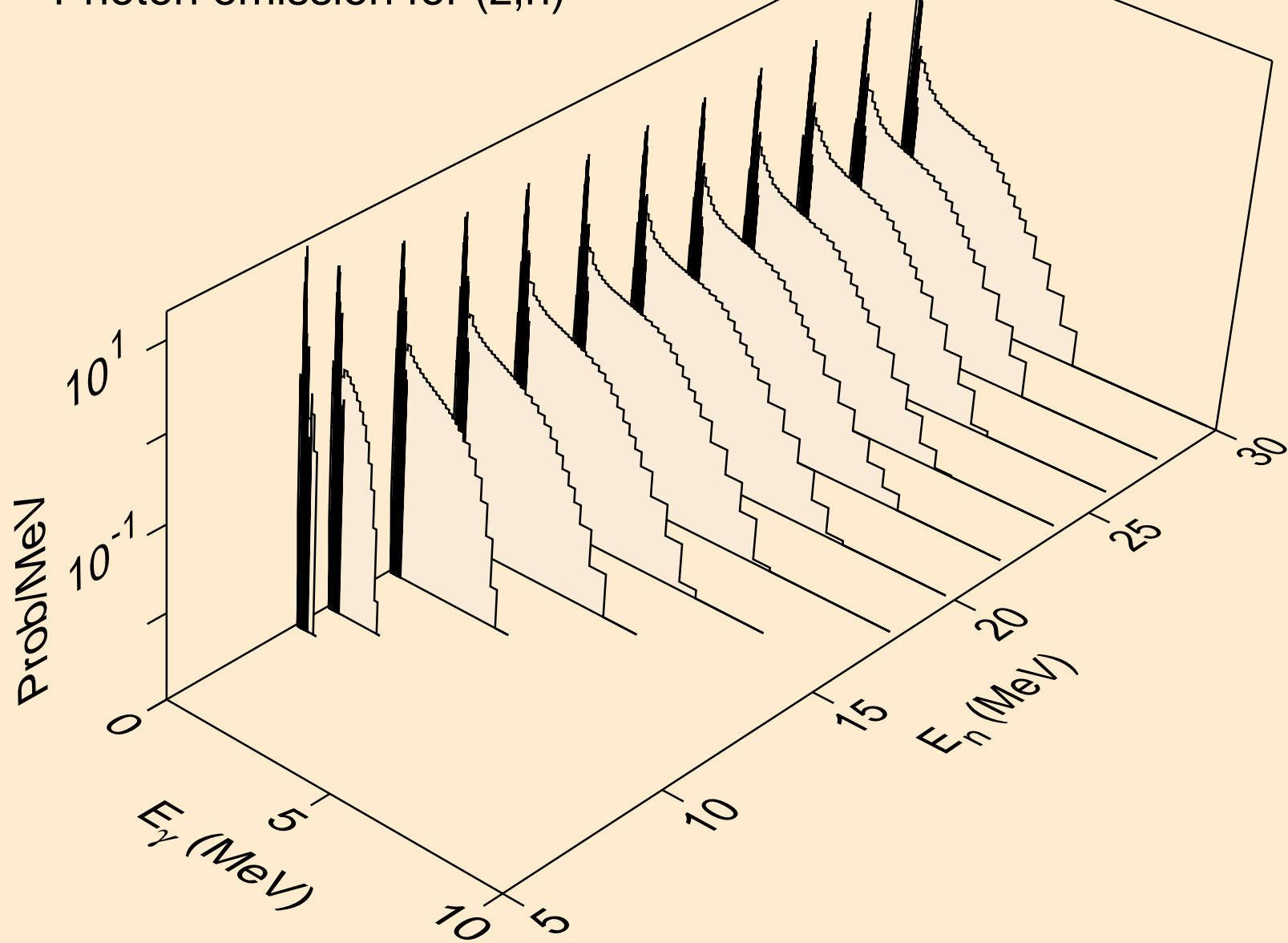
LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,2n)a



LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for inelastic

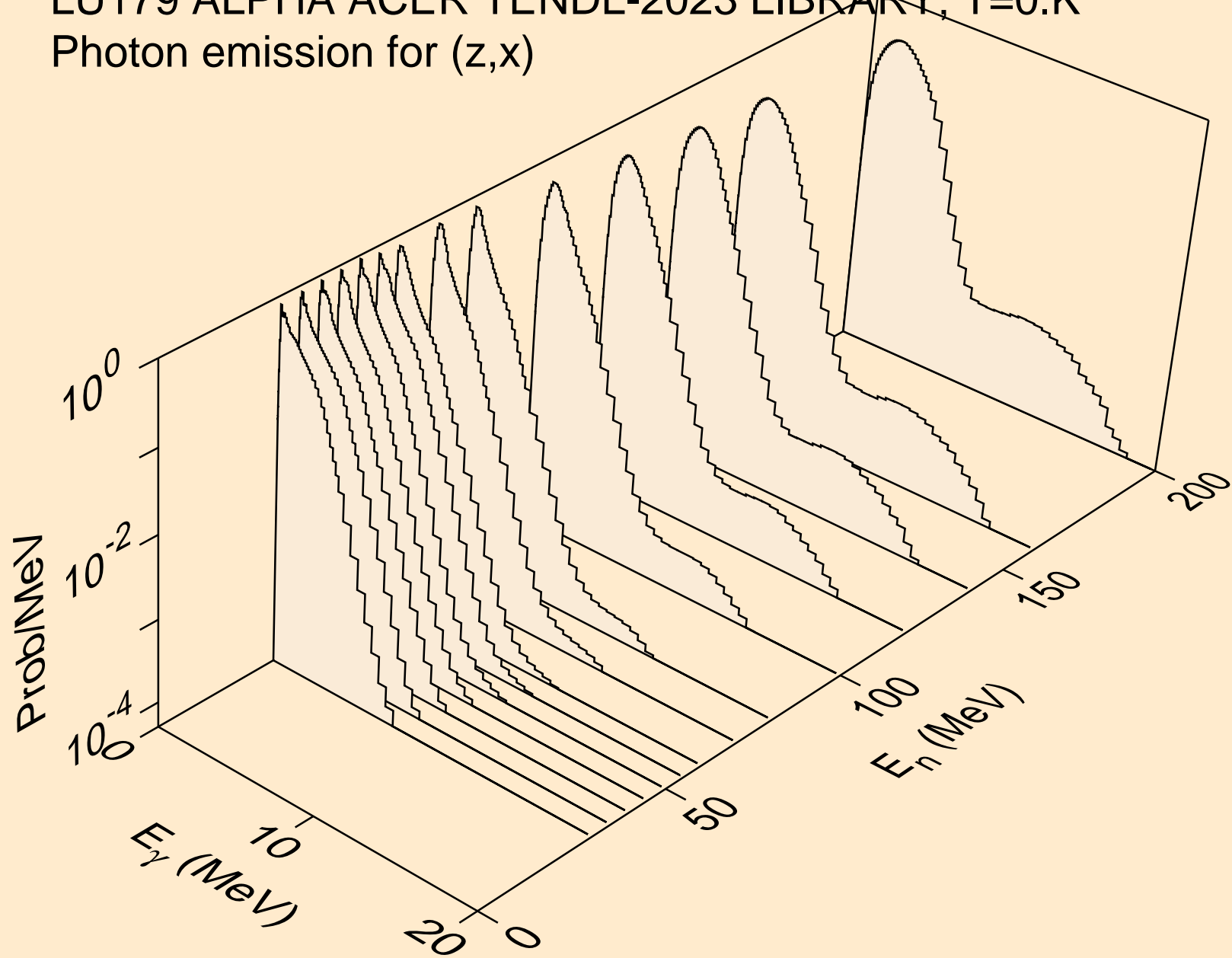


LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)

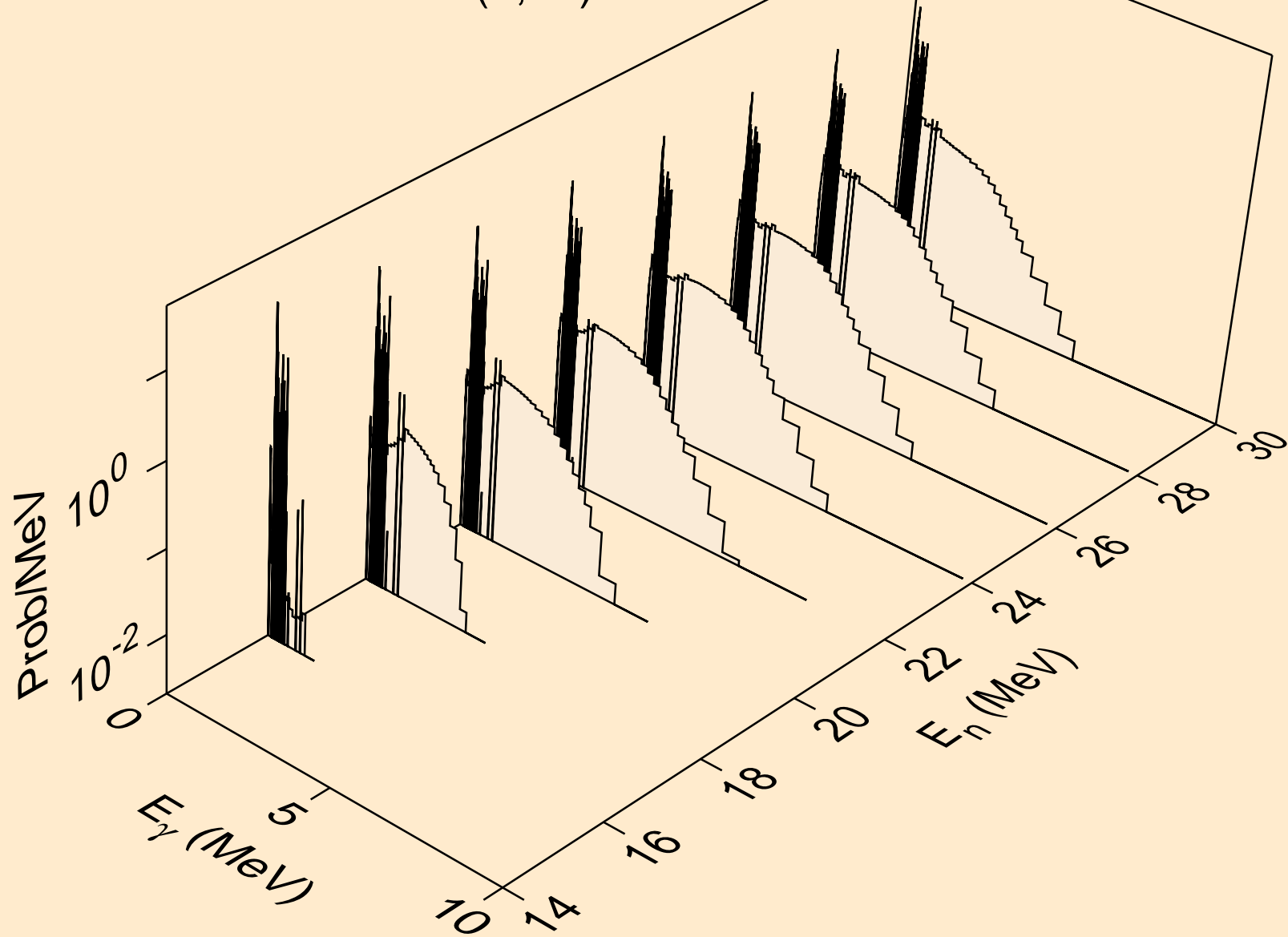




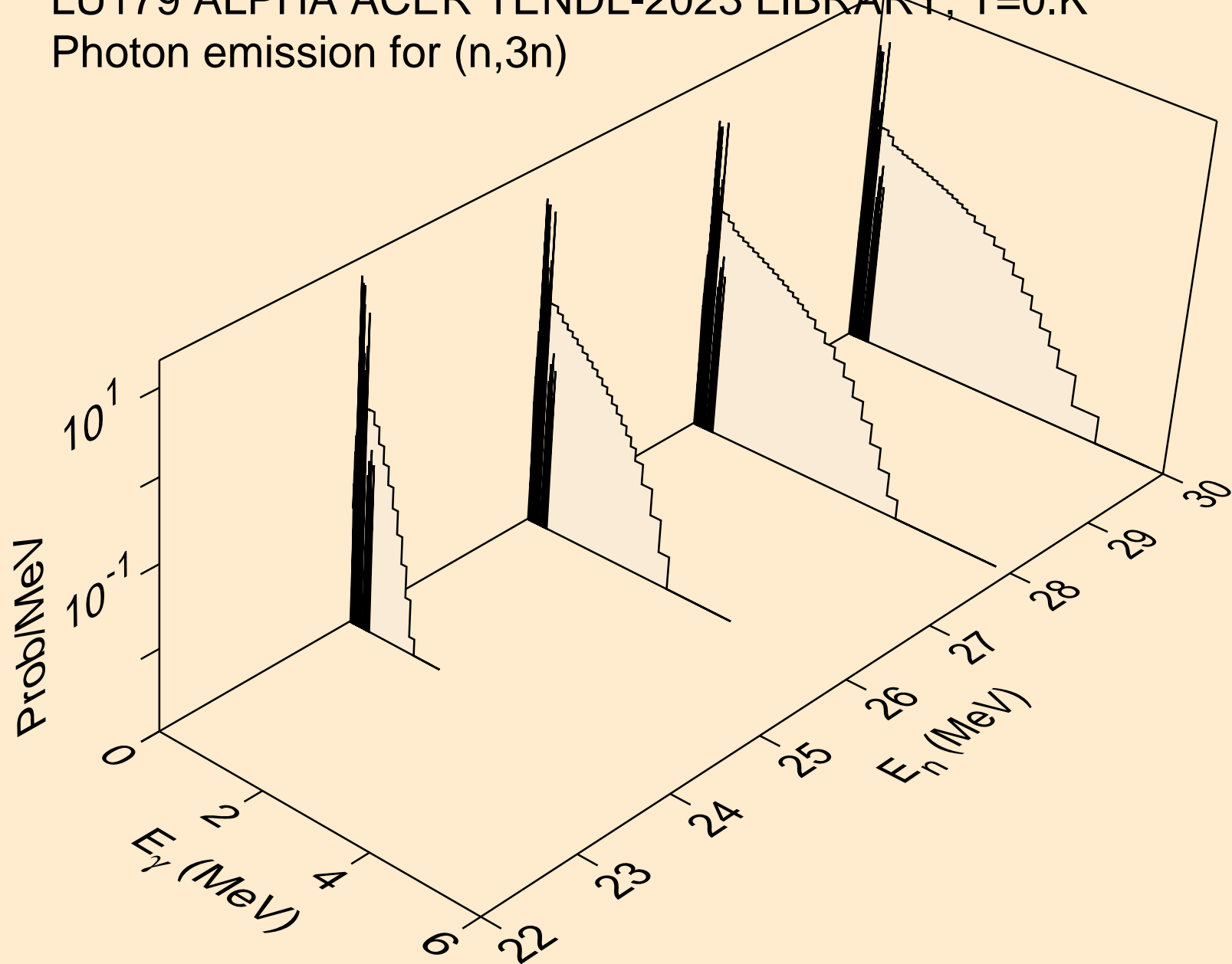
LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



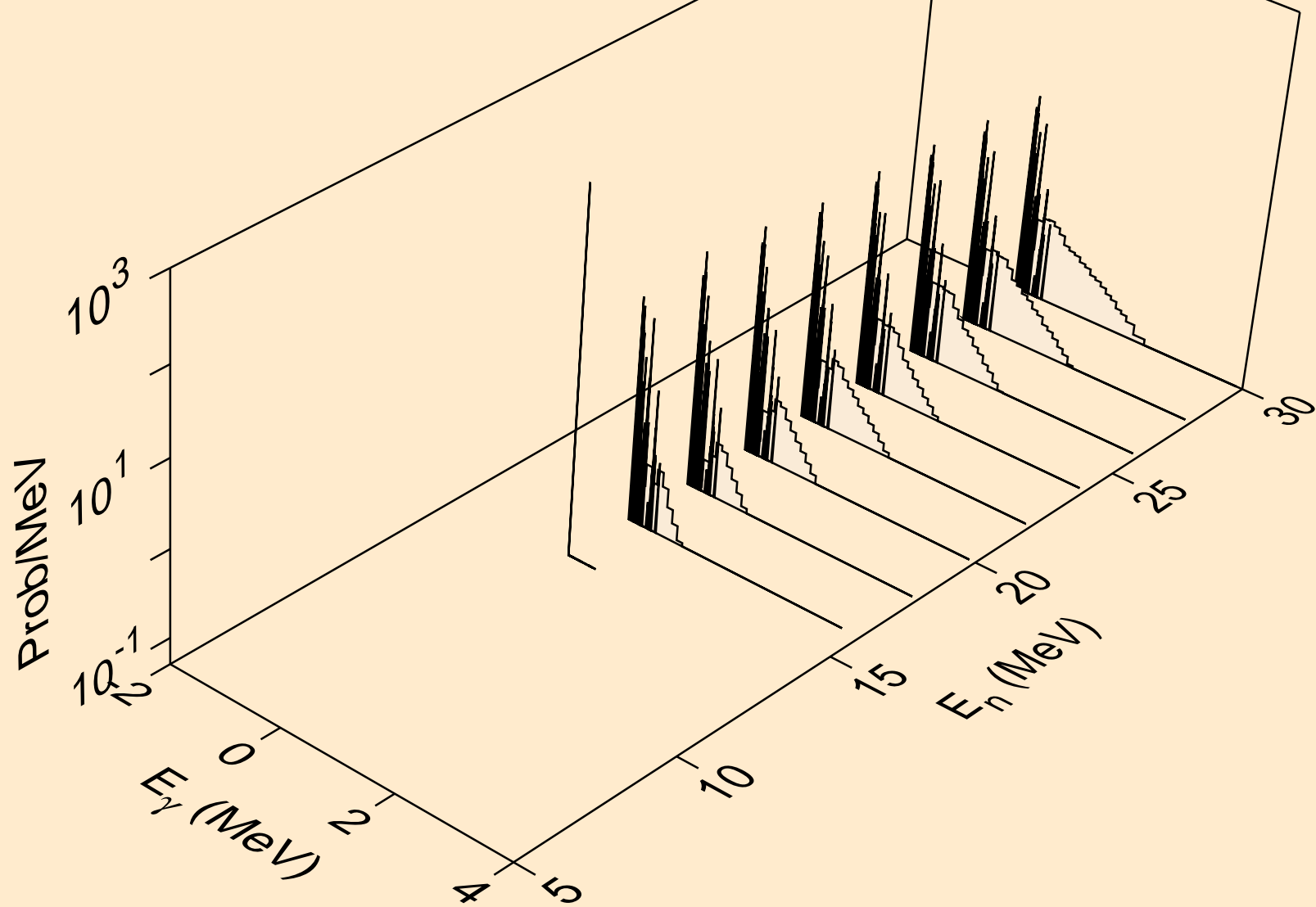
LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



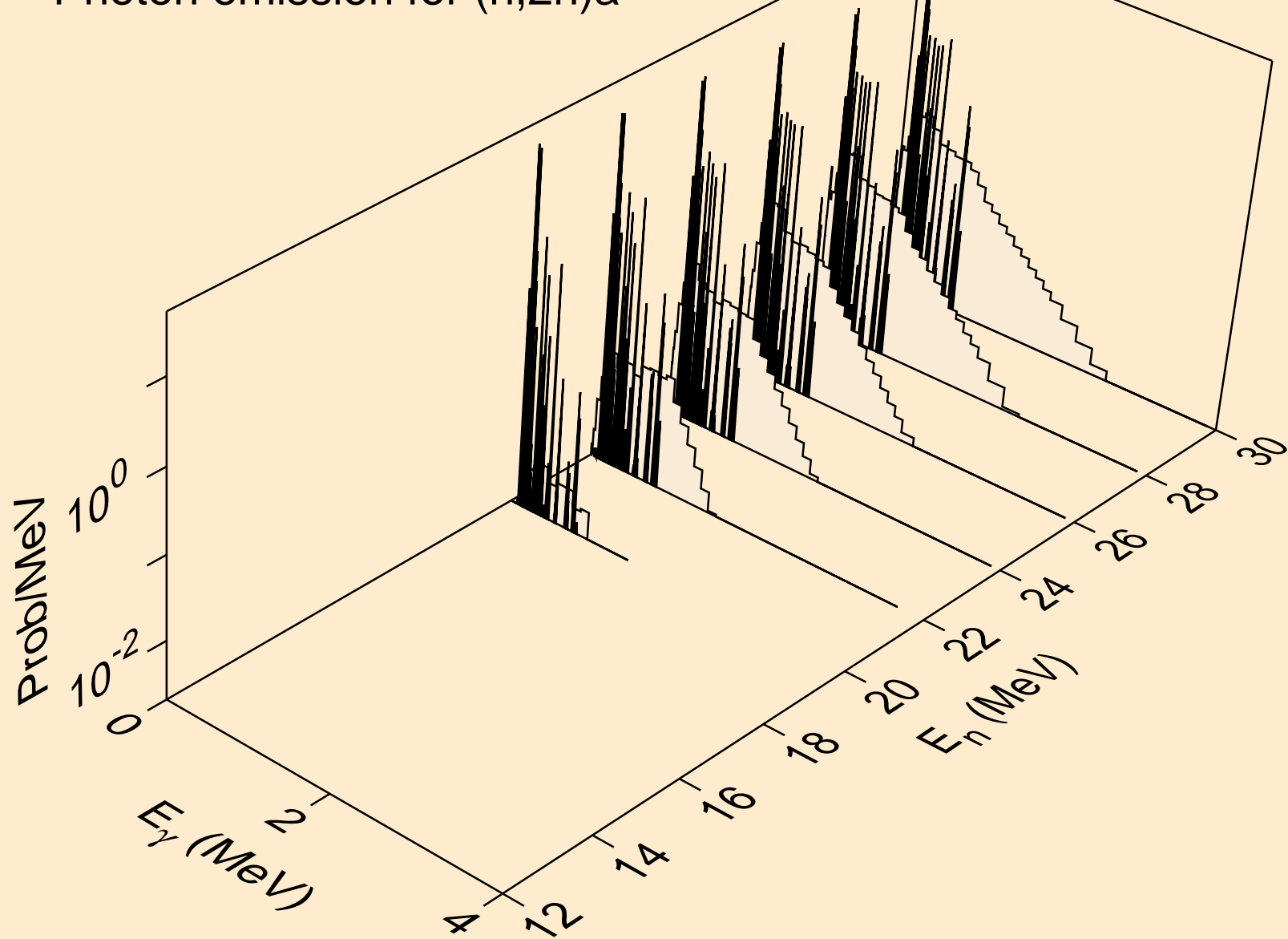
LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



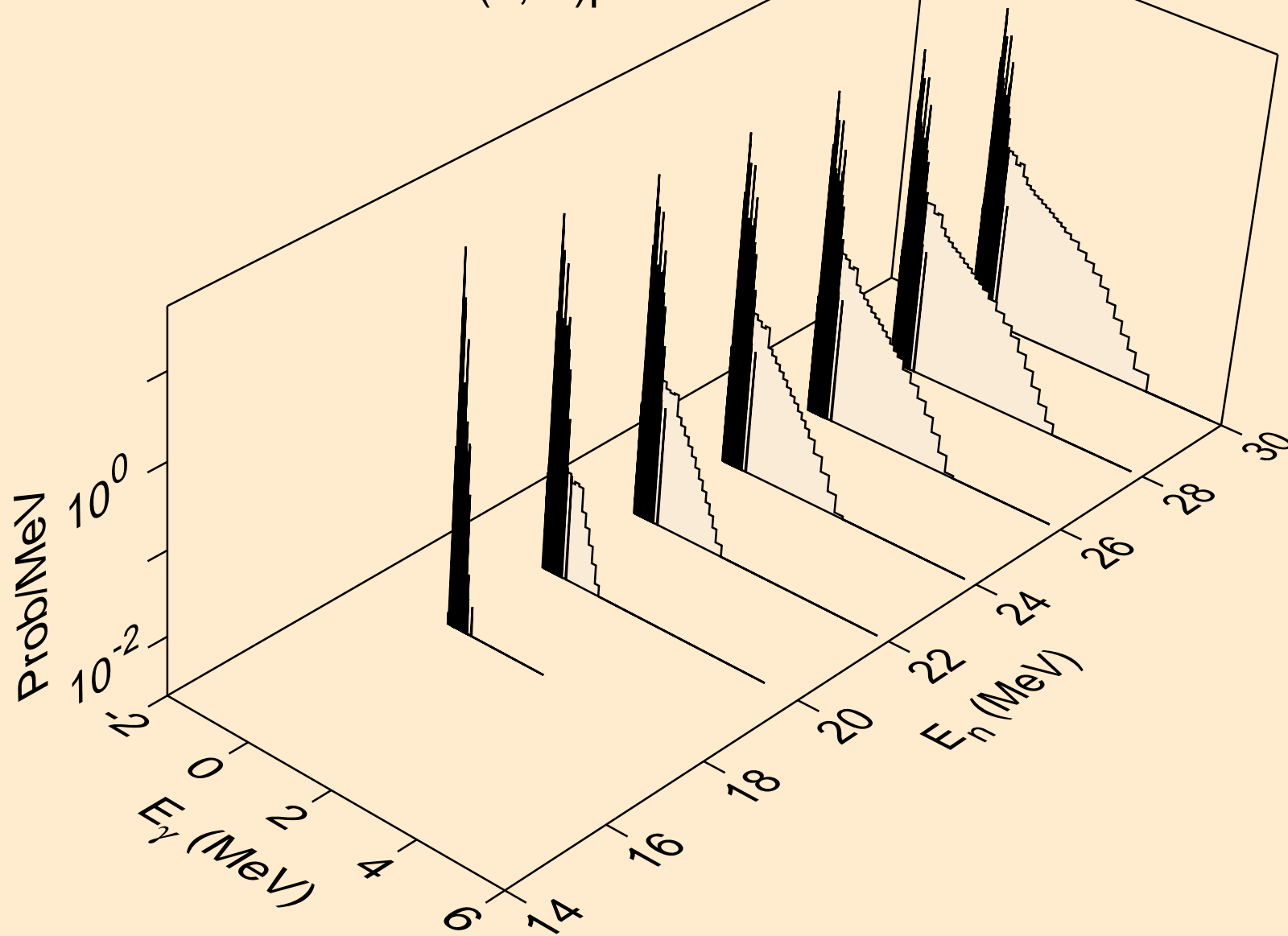
LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



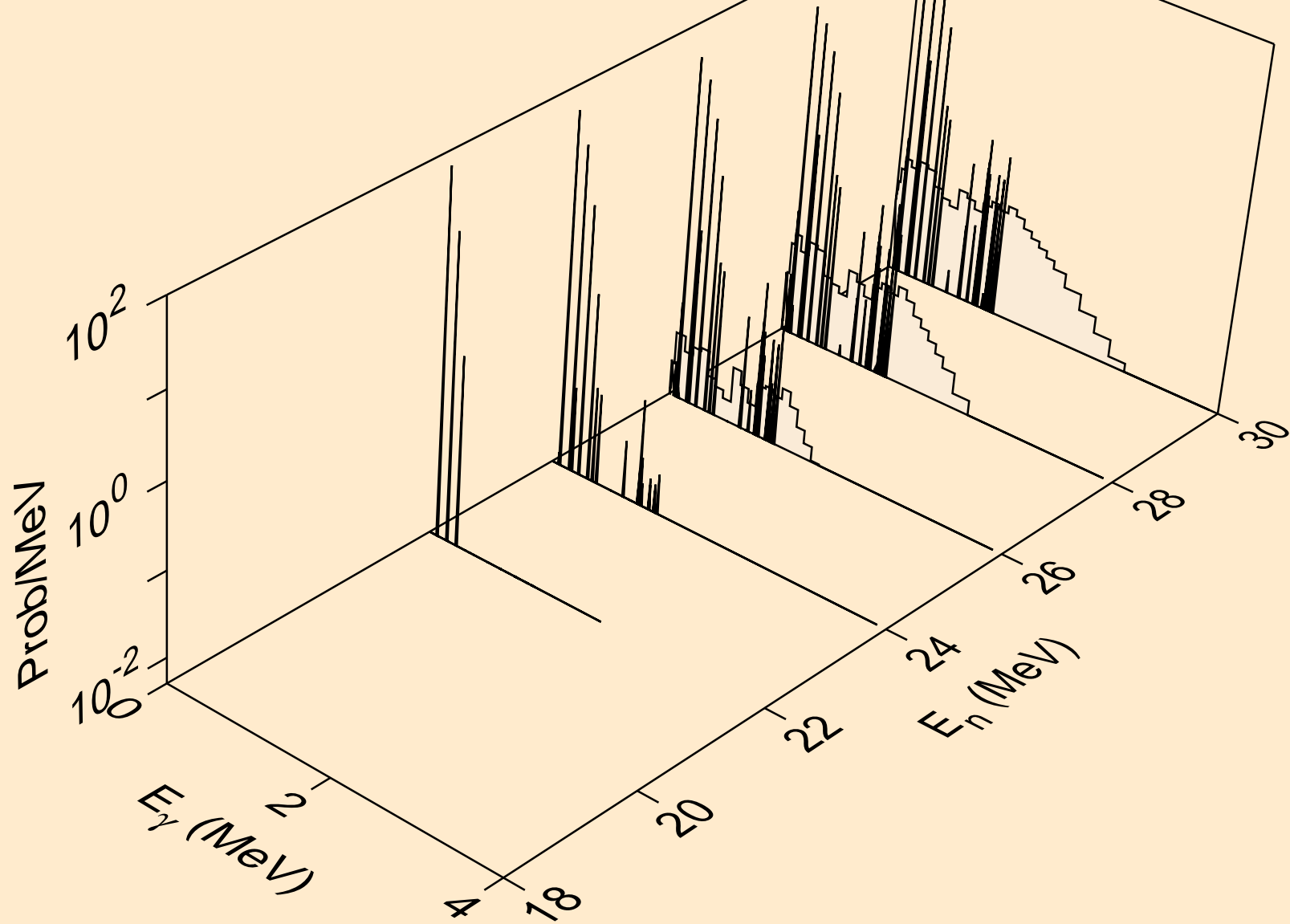
LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



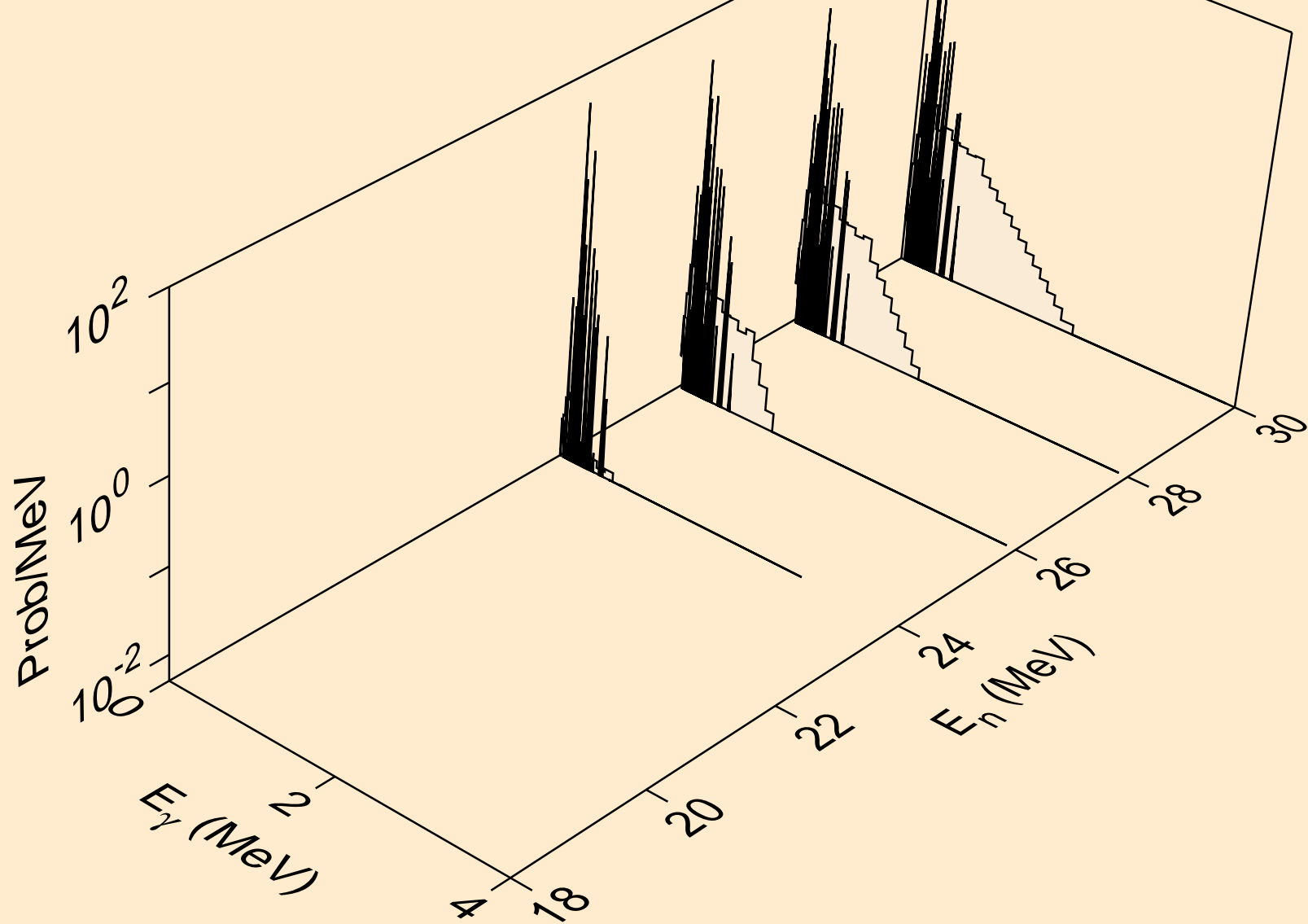
LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

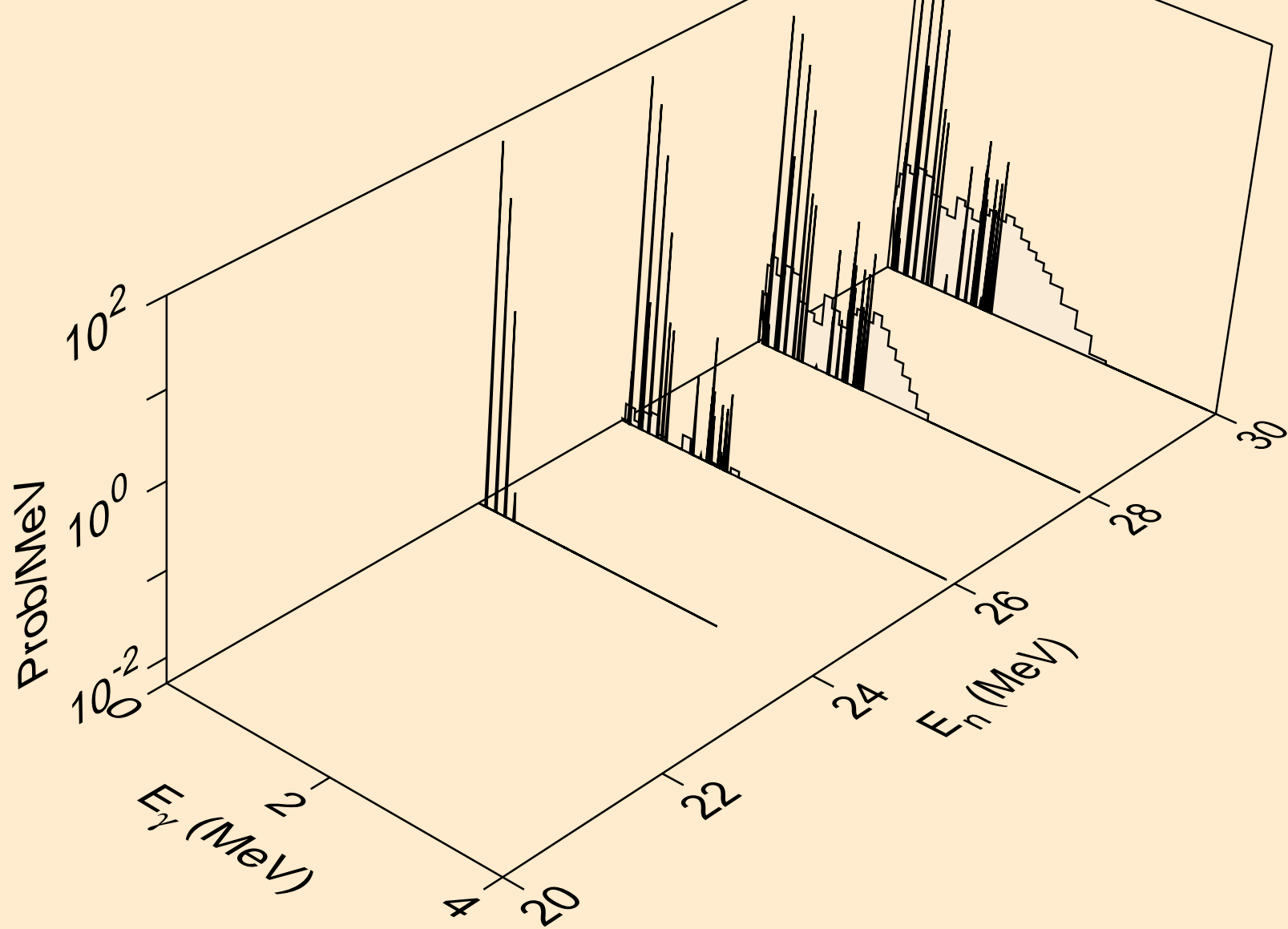


LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

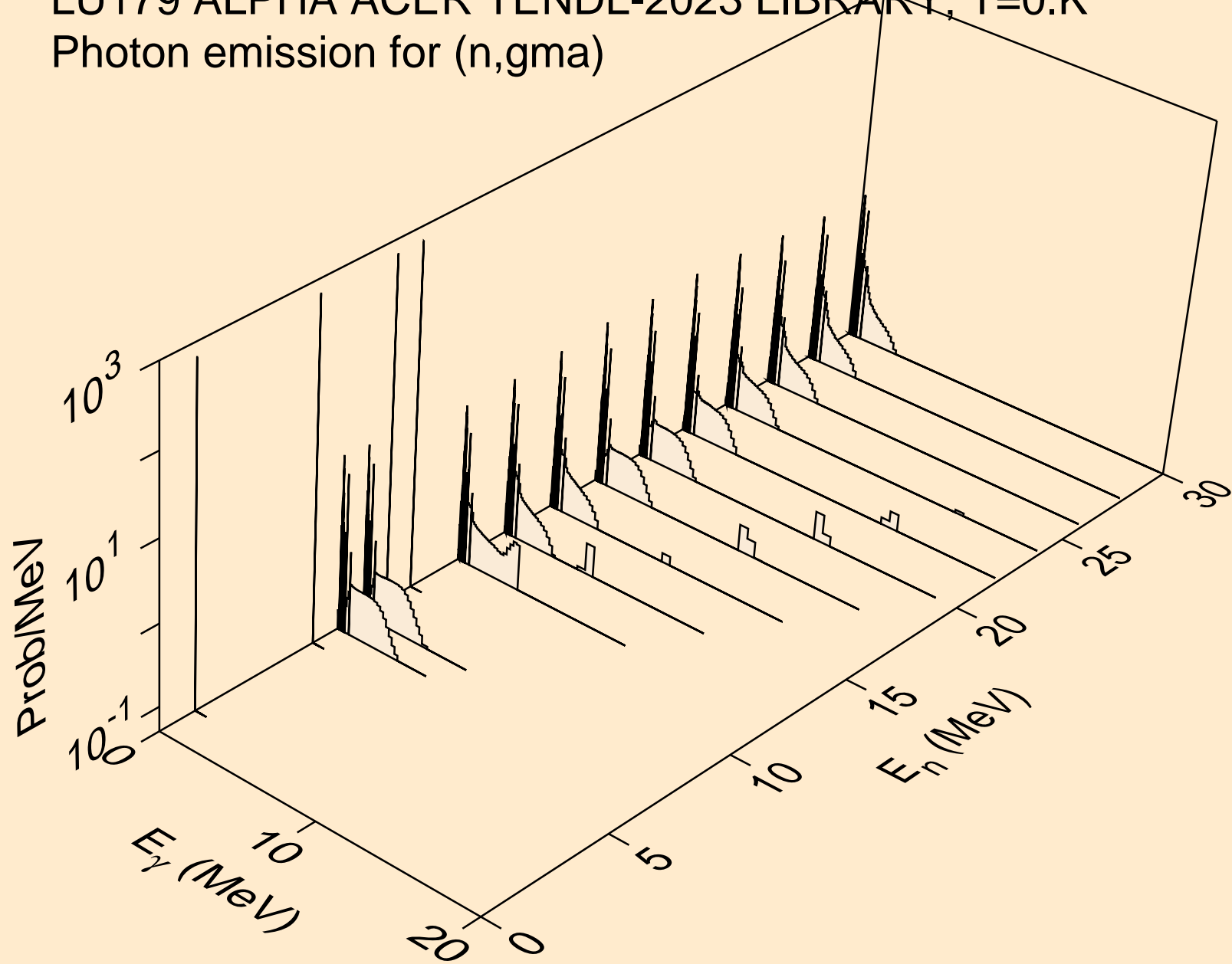




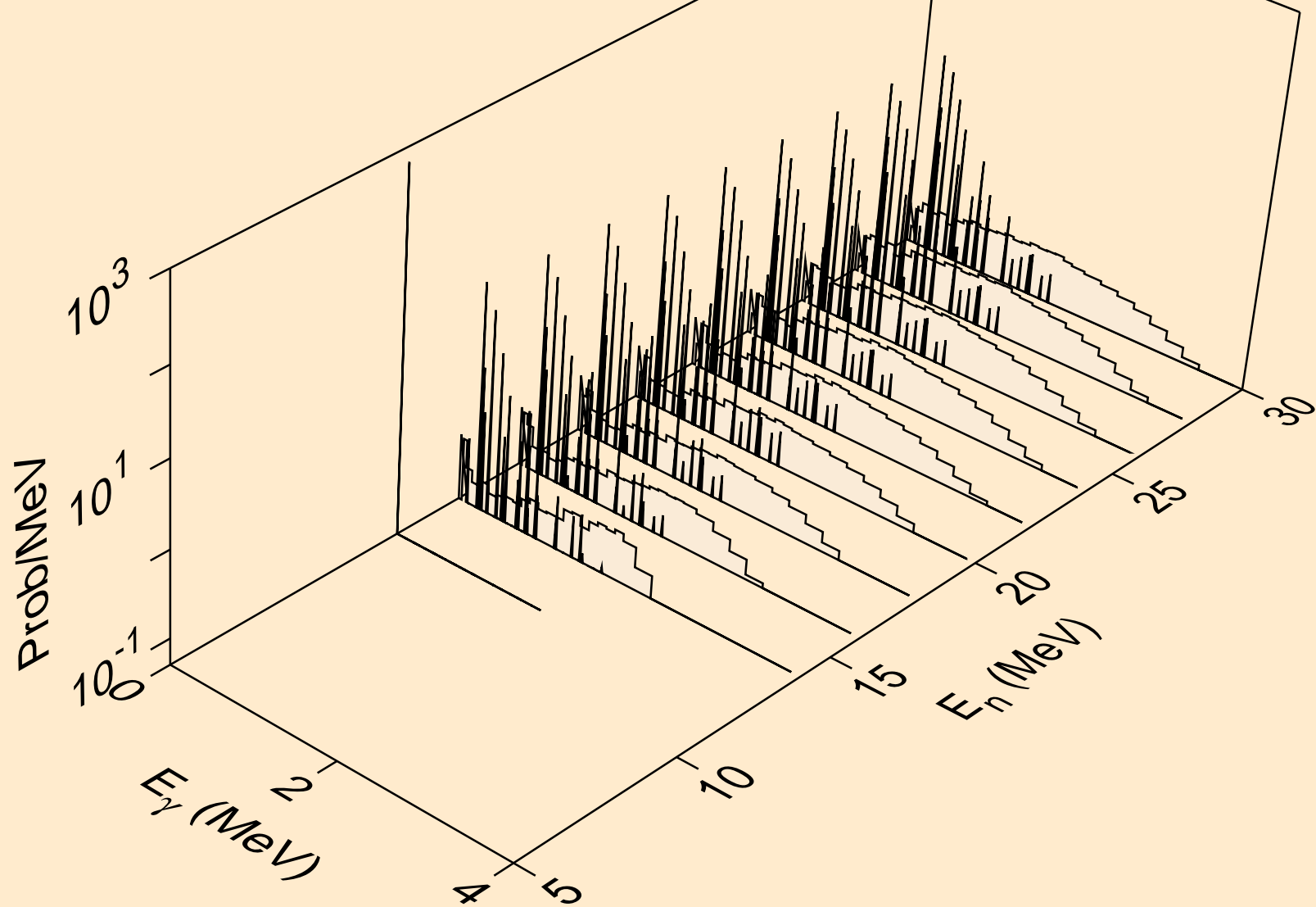
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Photon emission for (n,2np)



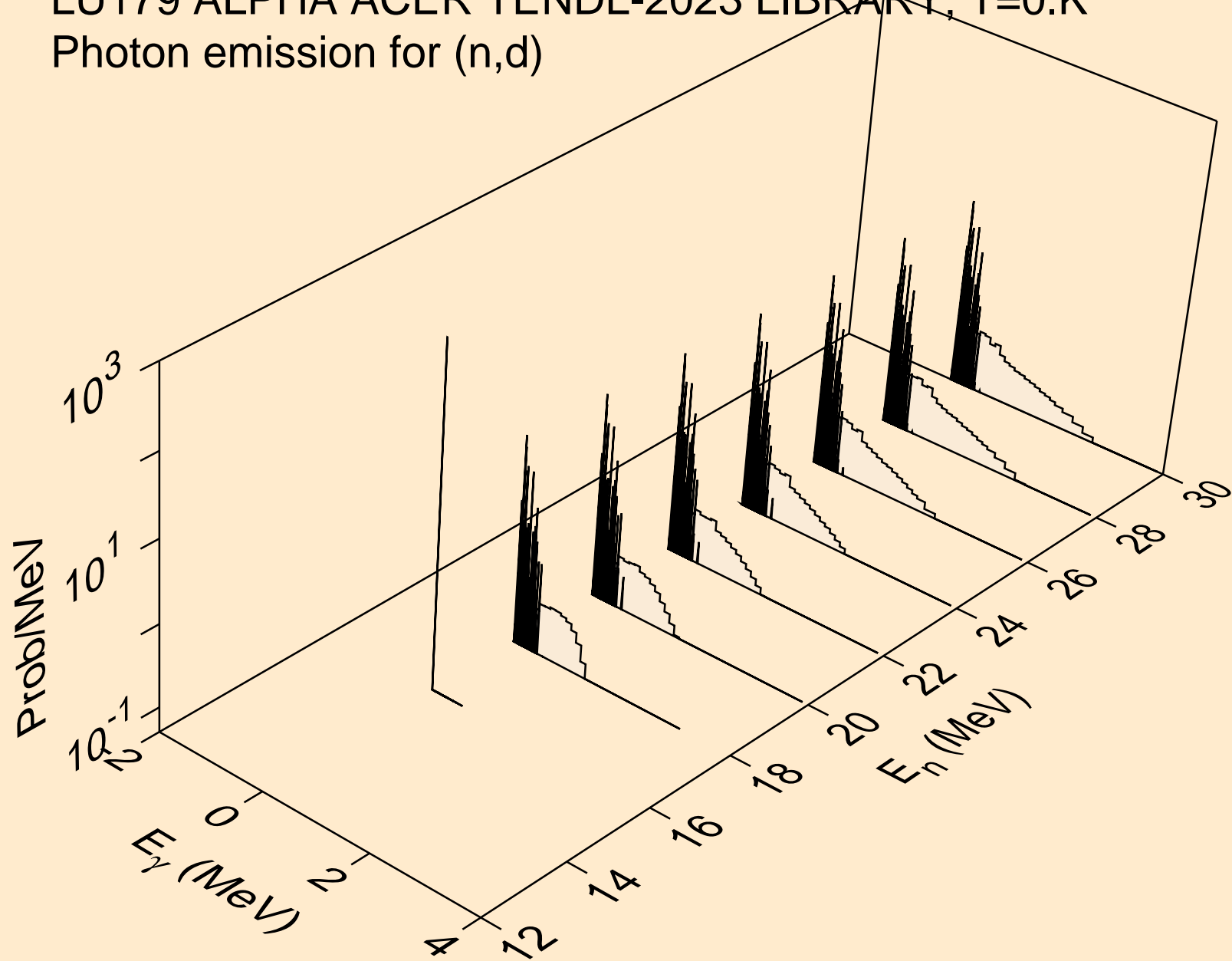
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Photon emission for (n,gma)



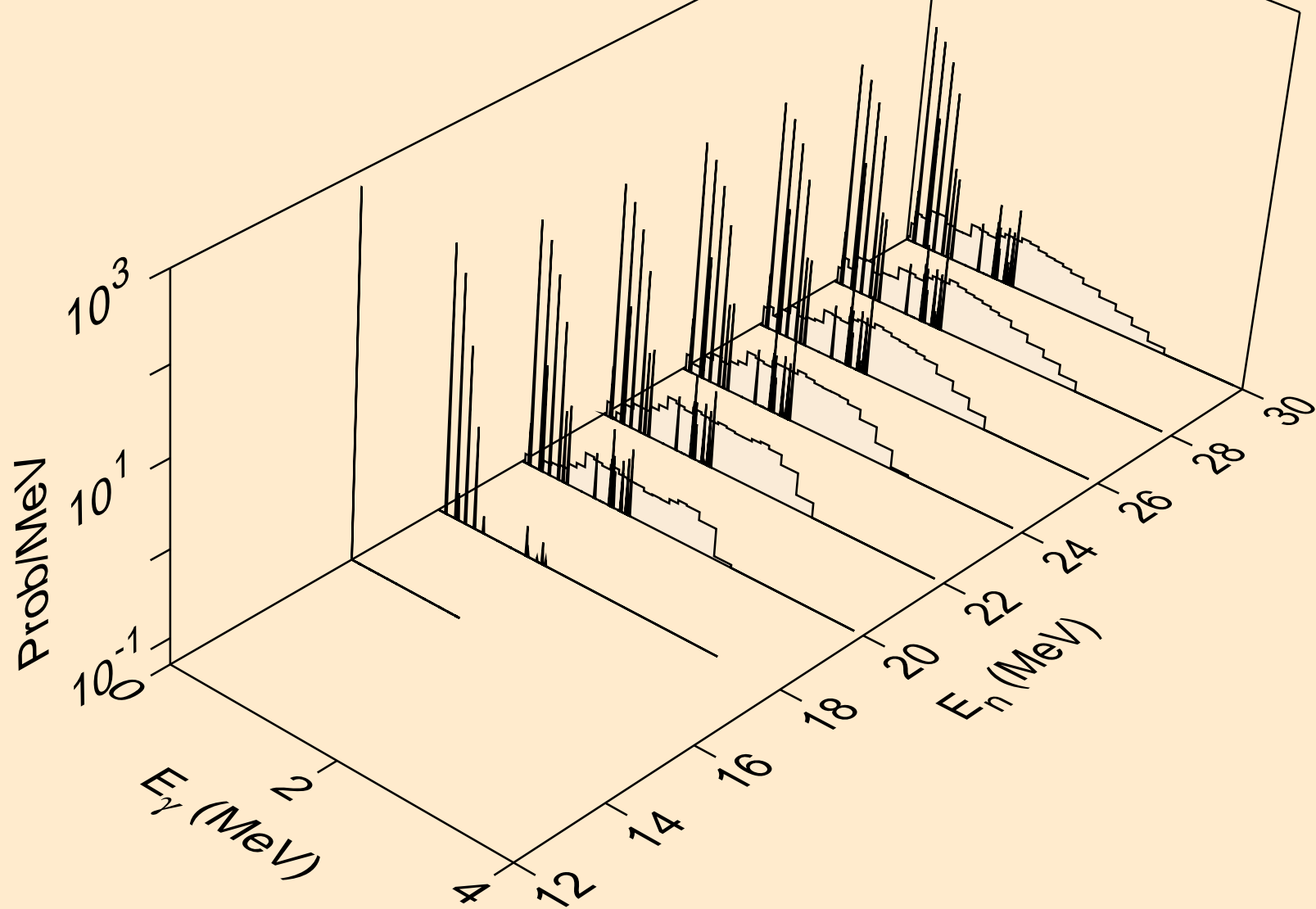
LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



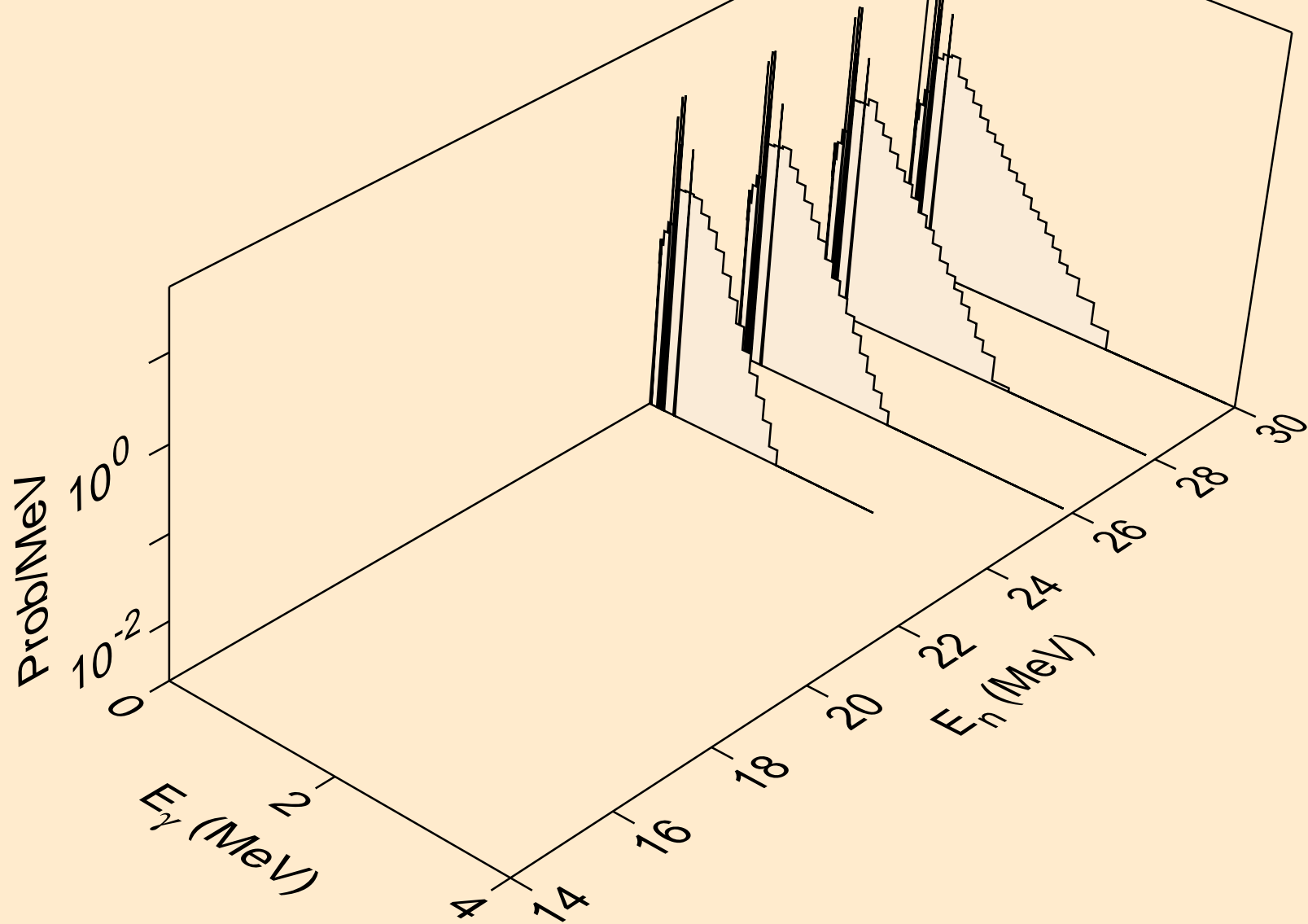
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Photon emission for (n,d)



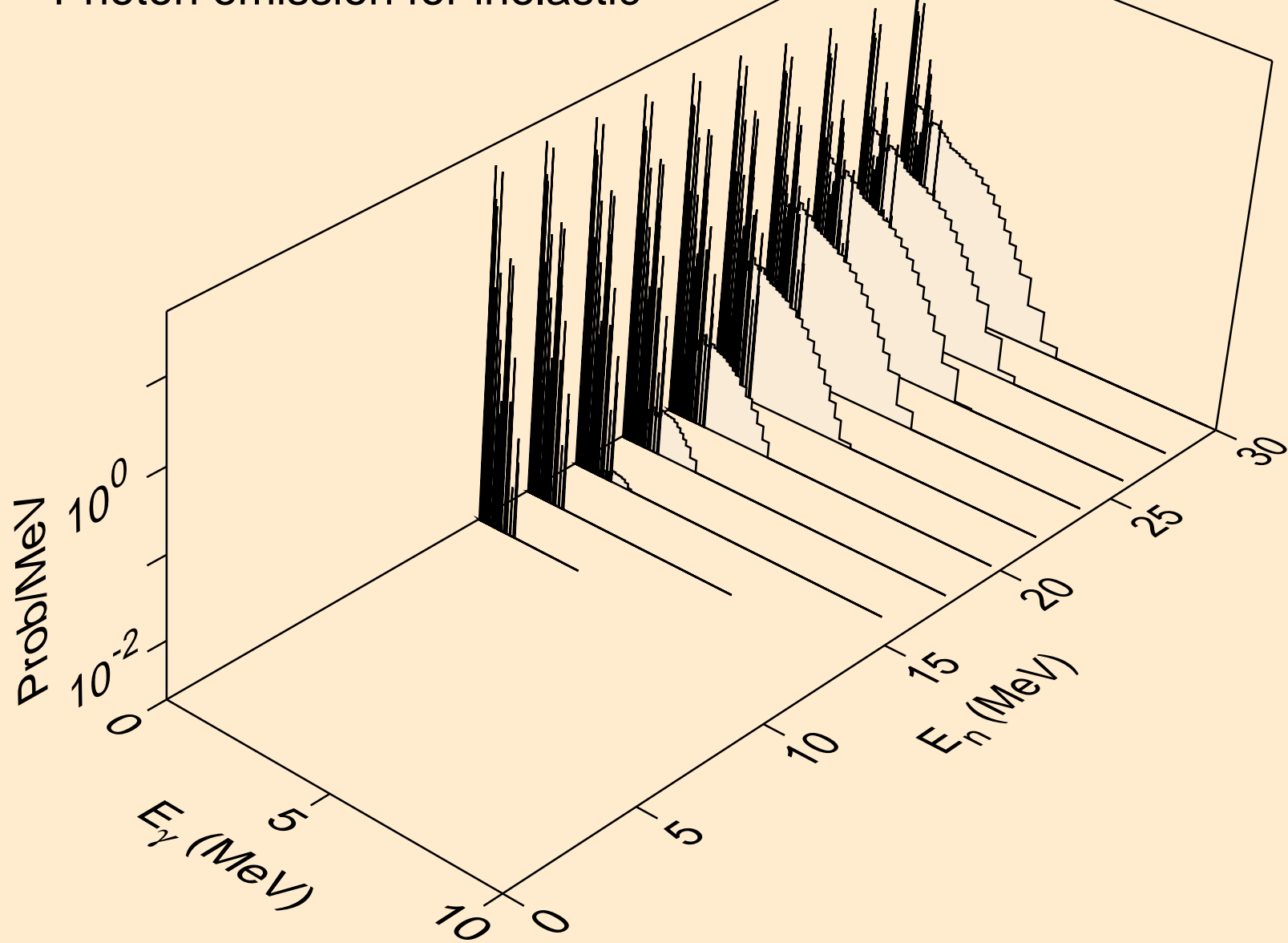
LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)

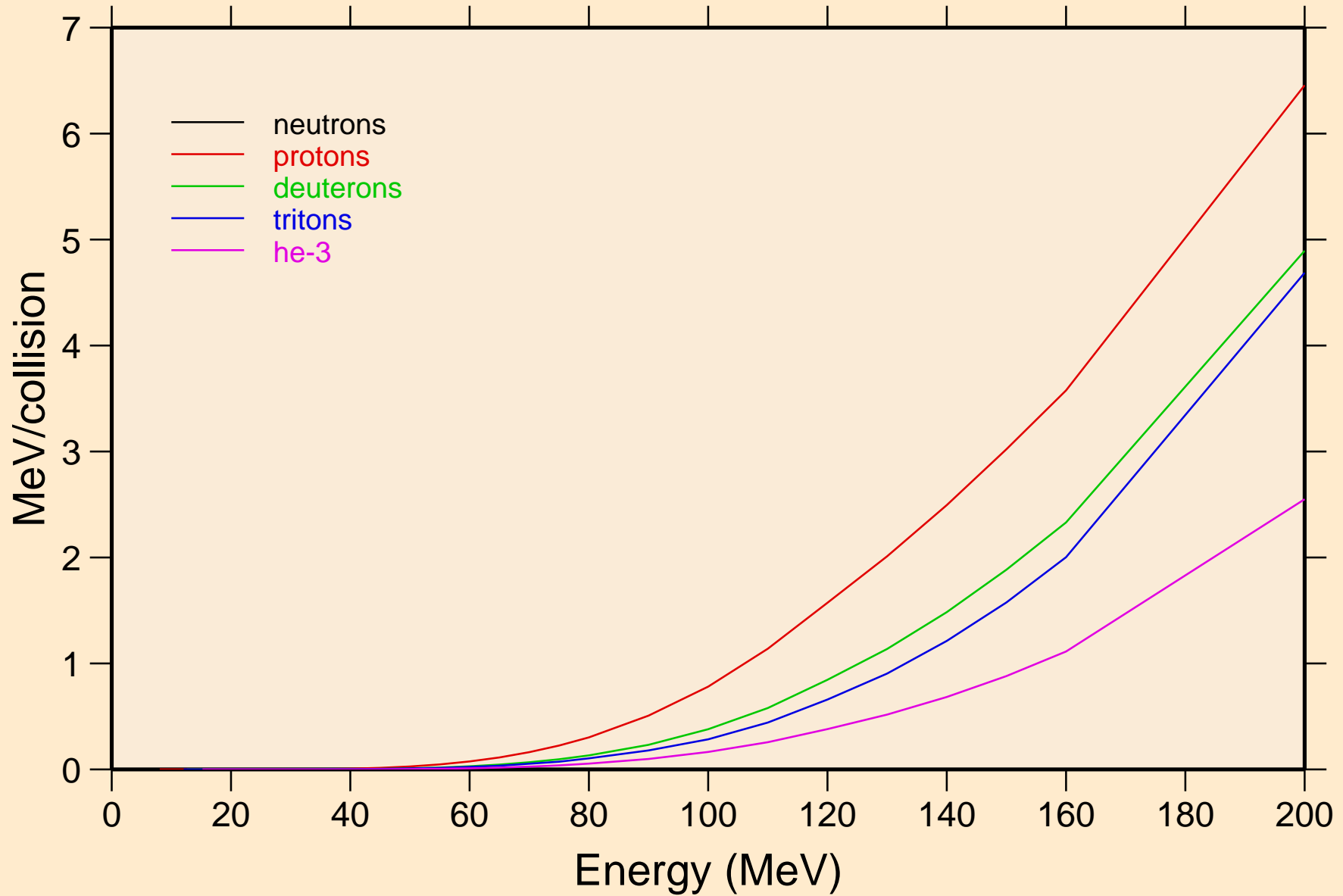


LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



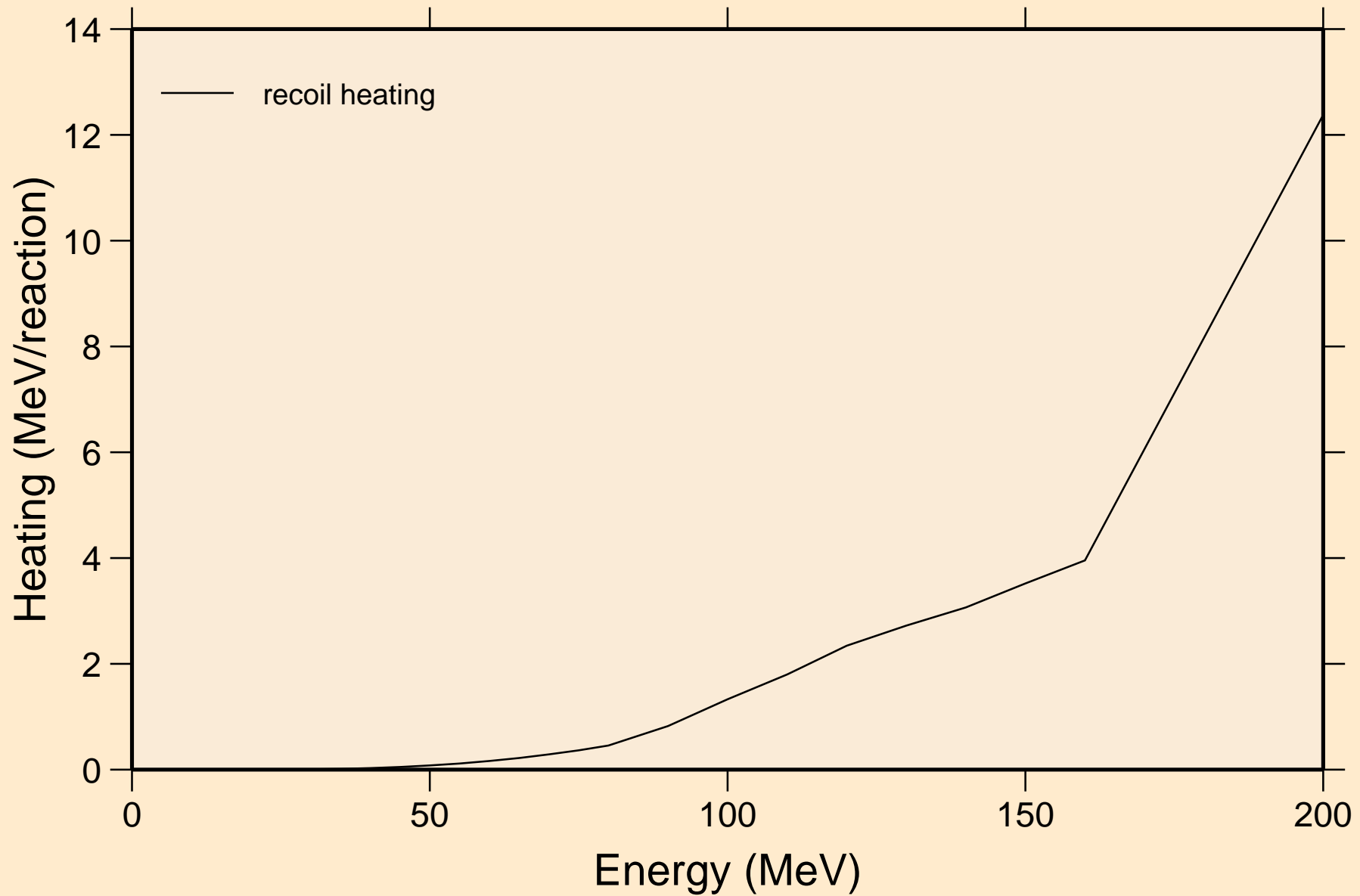
# LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

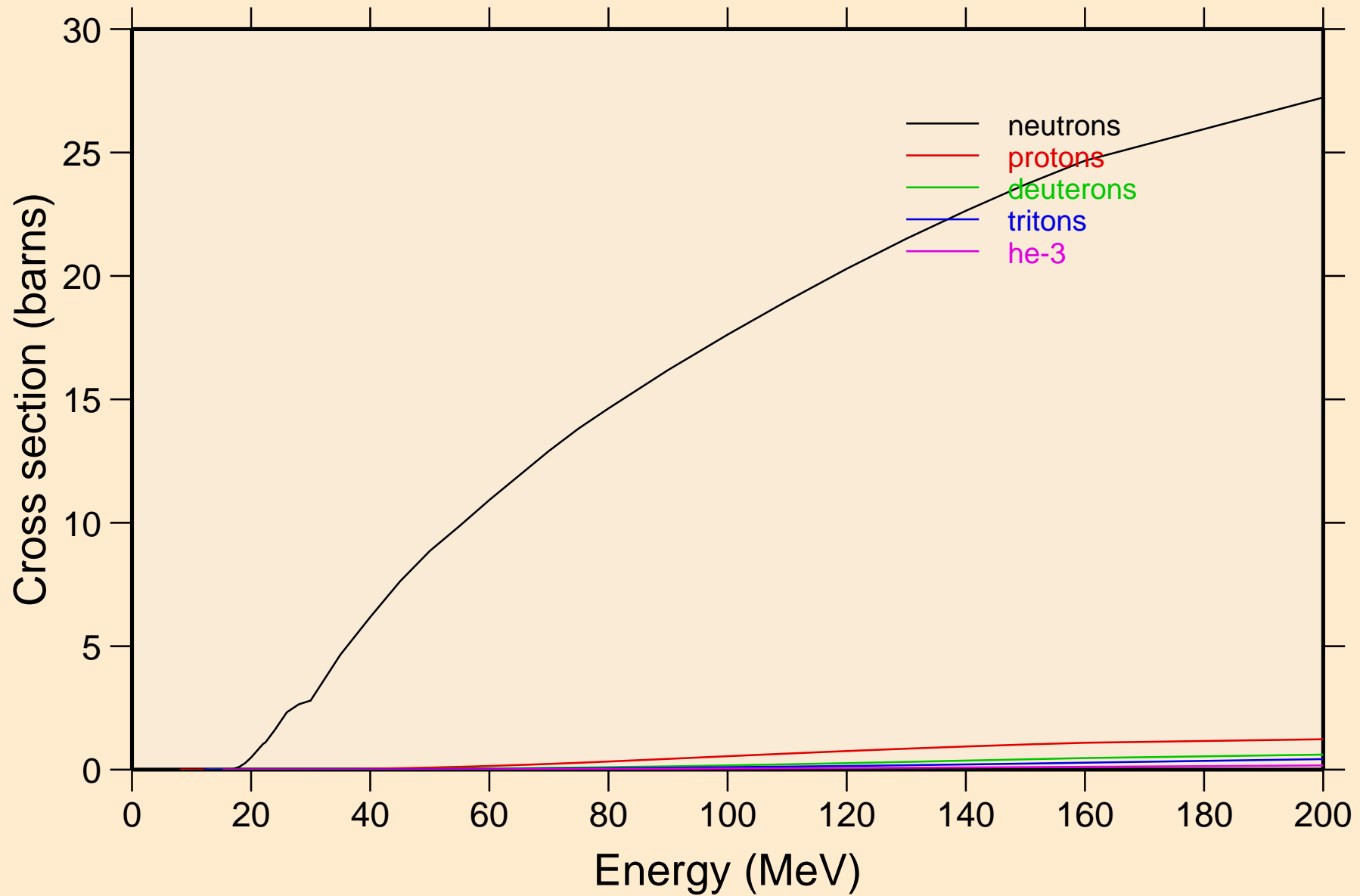




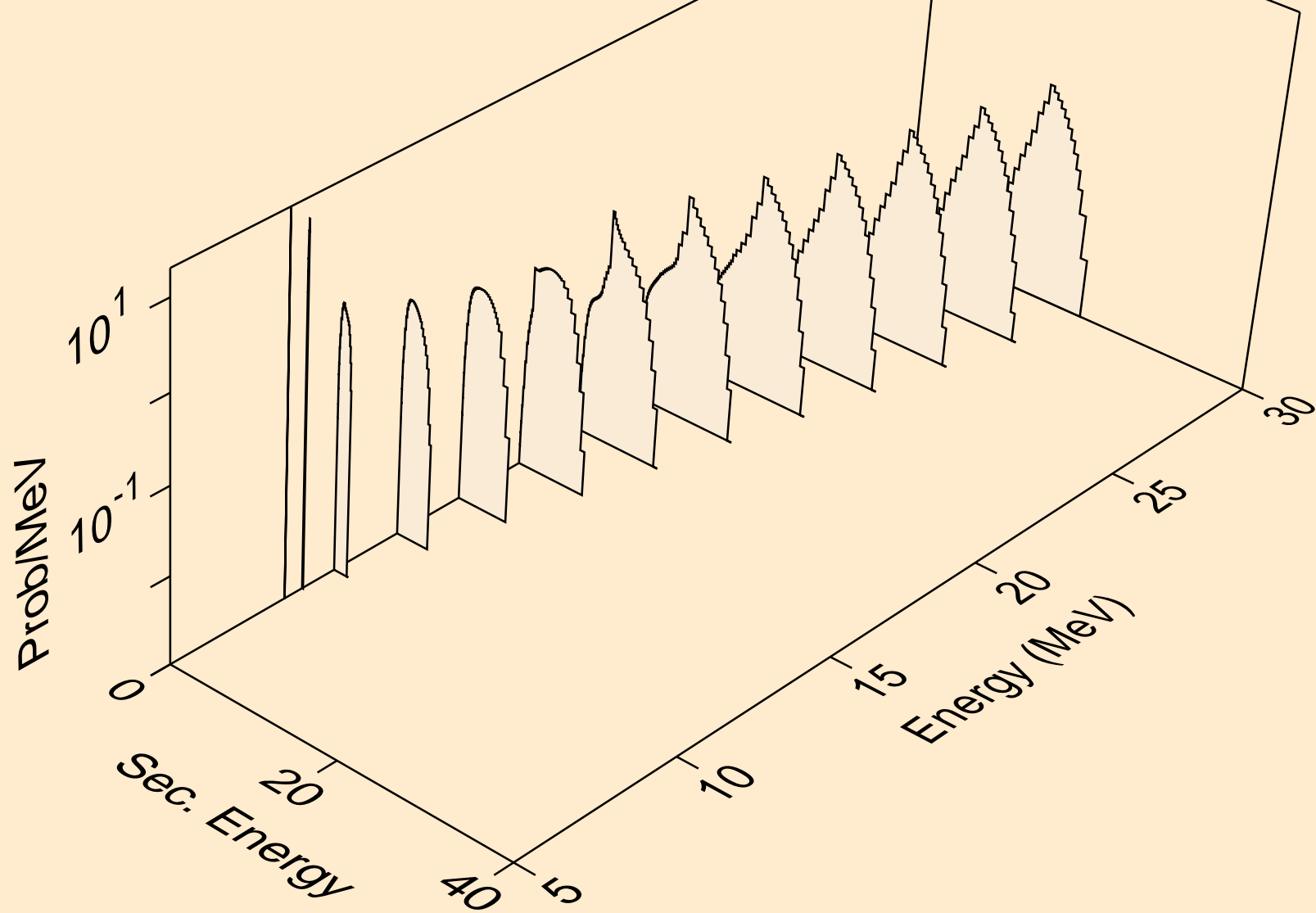
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Recoil Heating



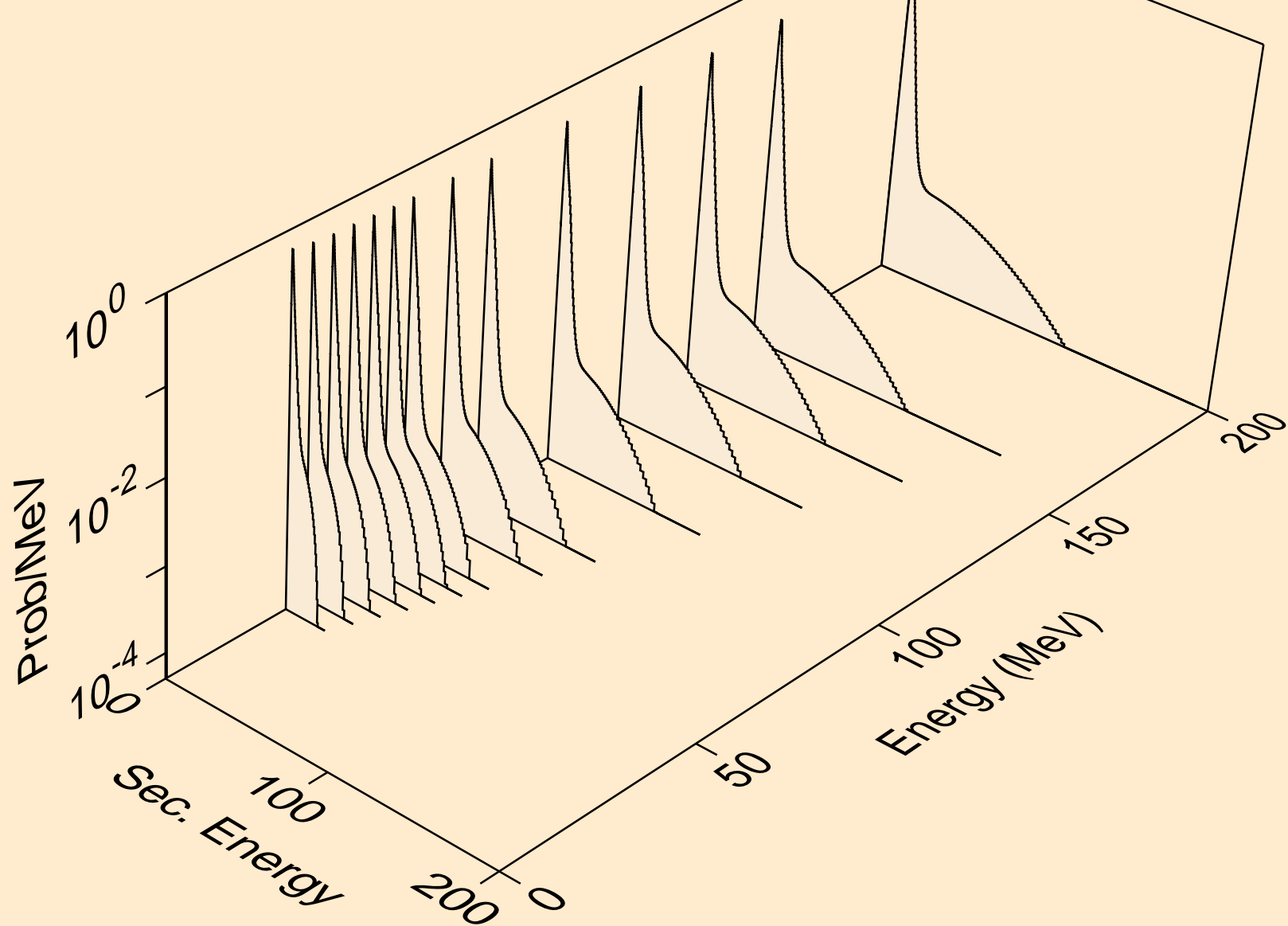
LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



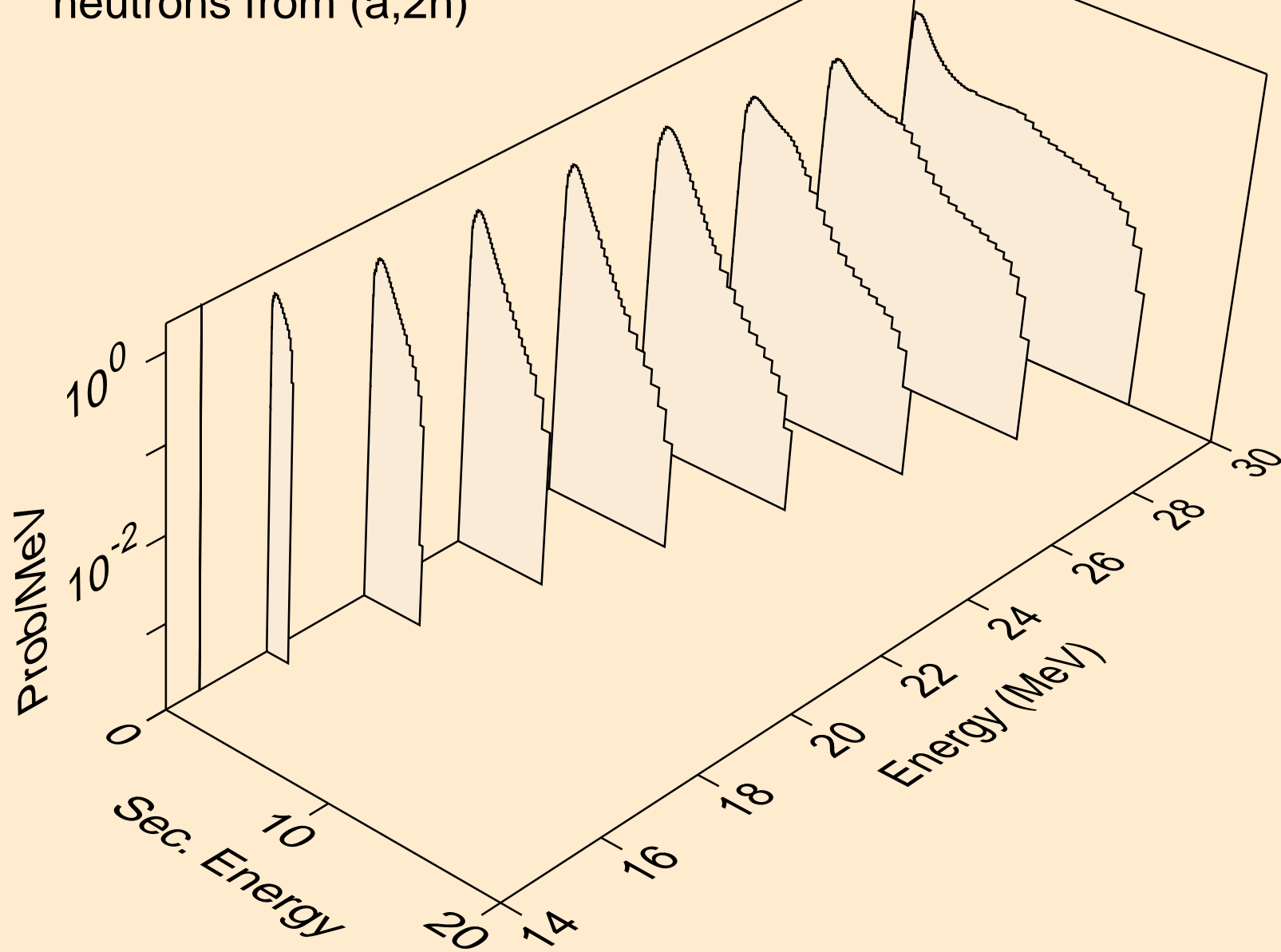
LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n)



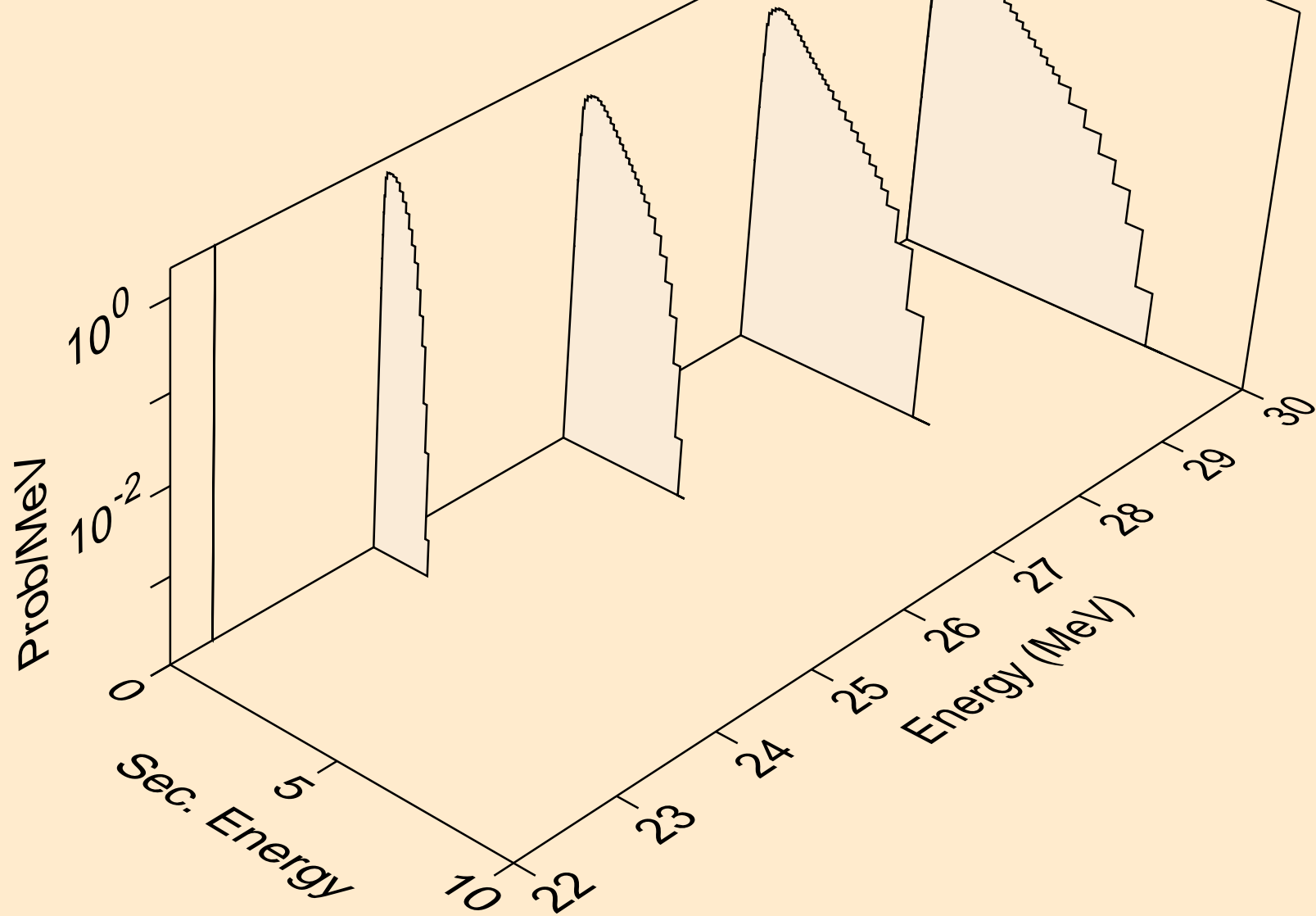
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neutrons from (a,x)



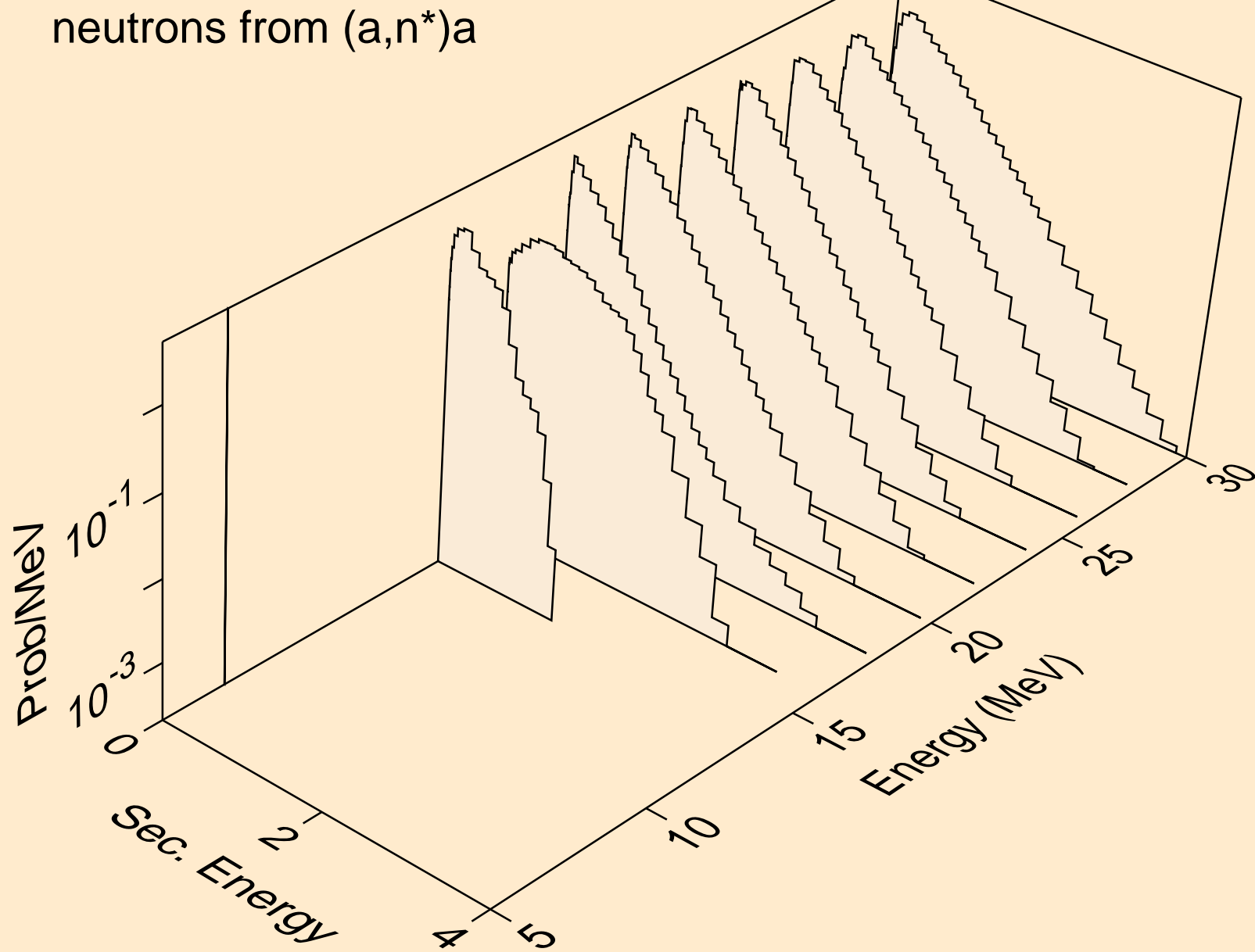
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neutrons from (a,2n)



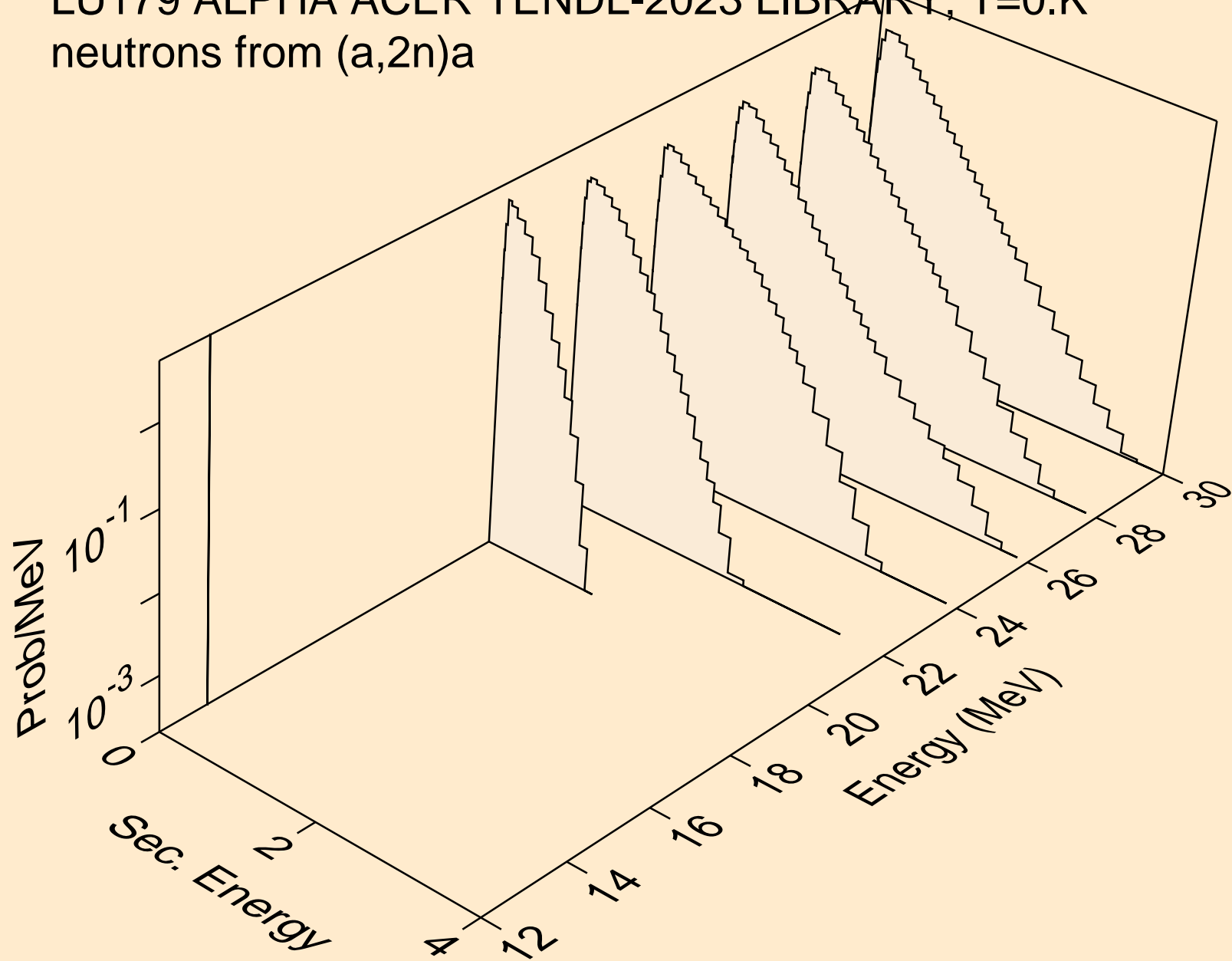
LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,3n)



LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)a

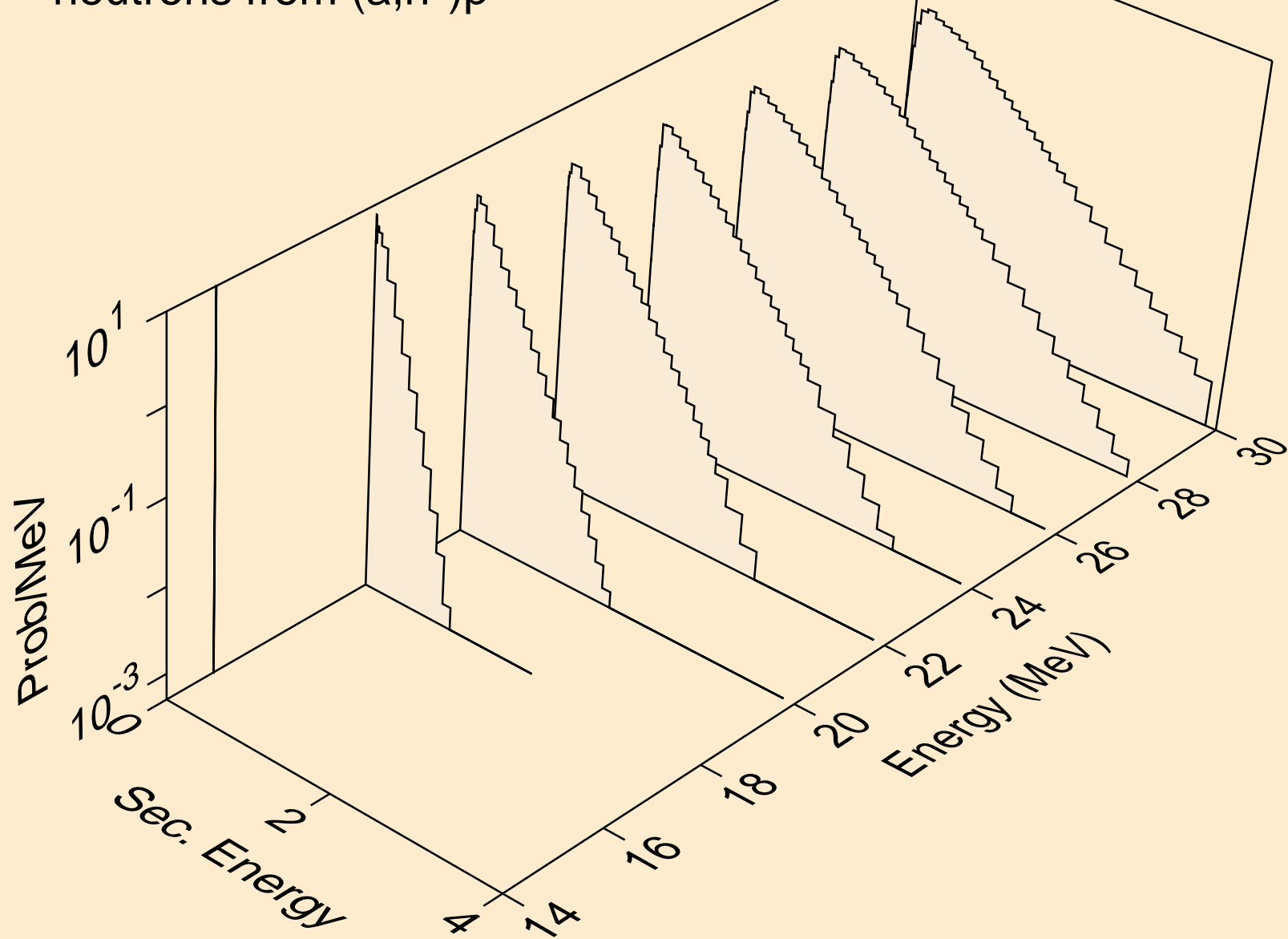


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neutrons from (a,2n)a

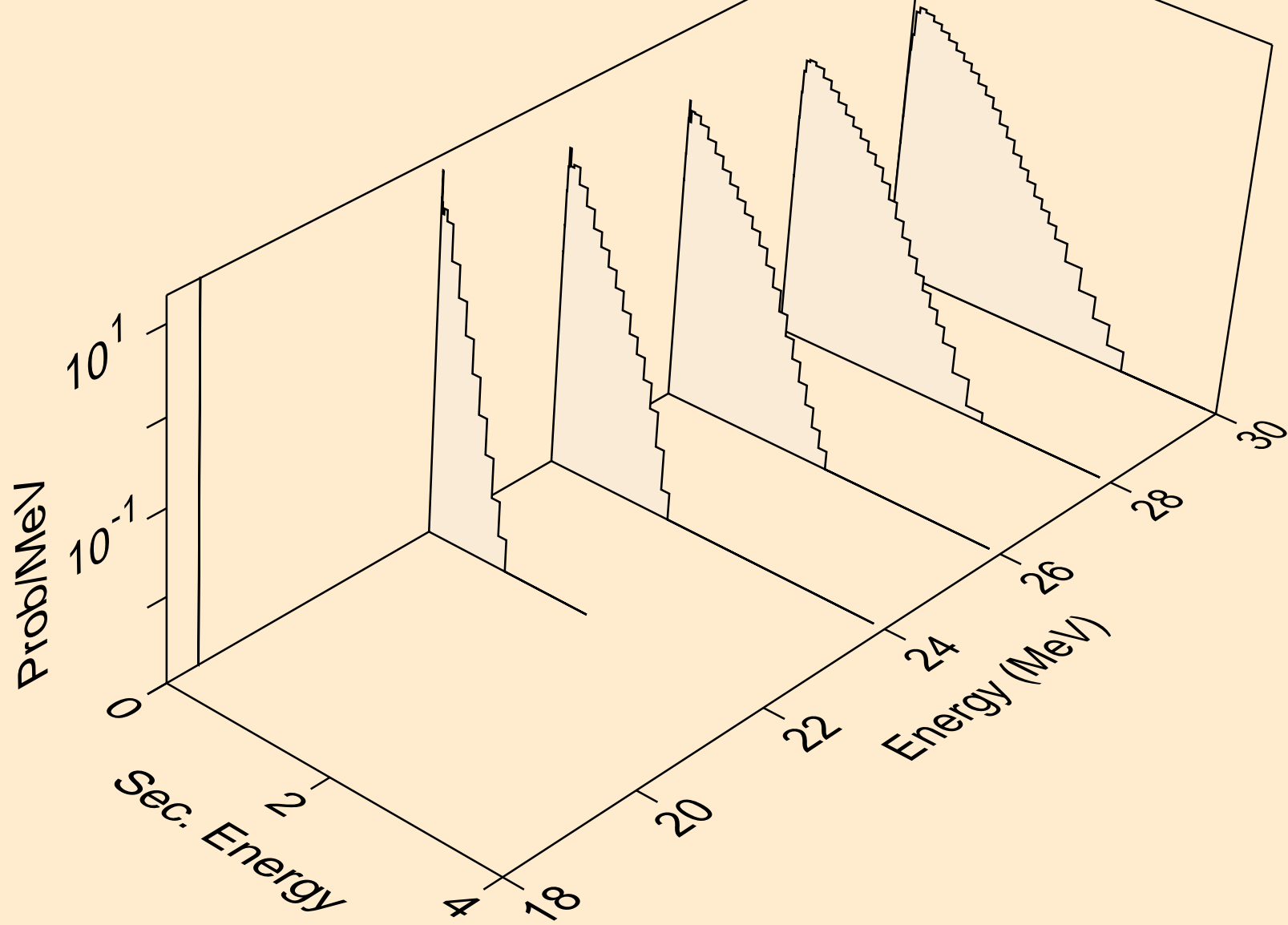




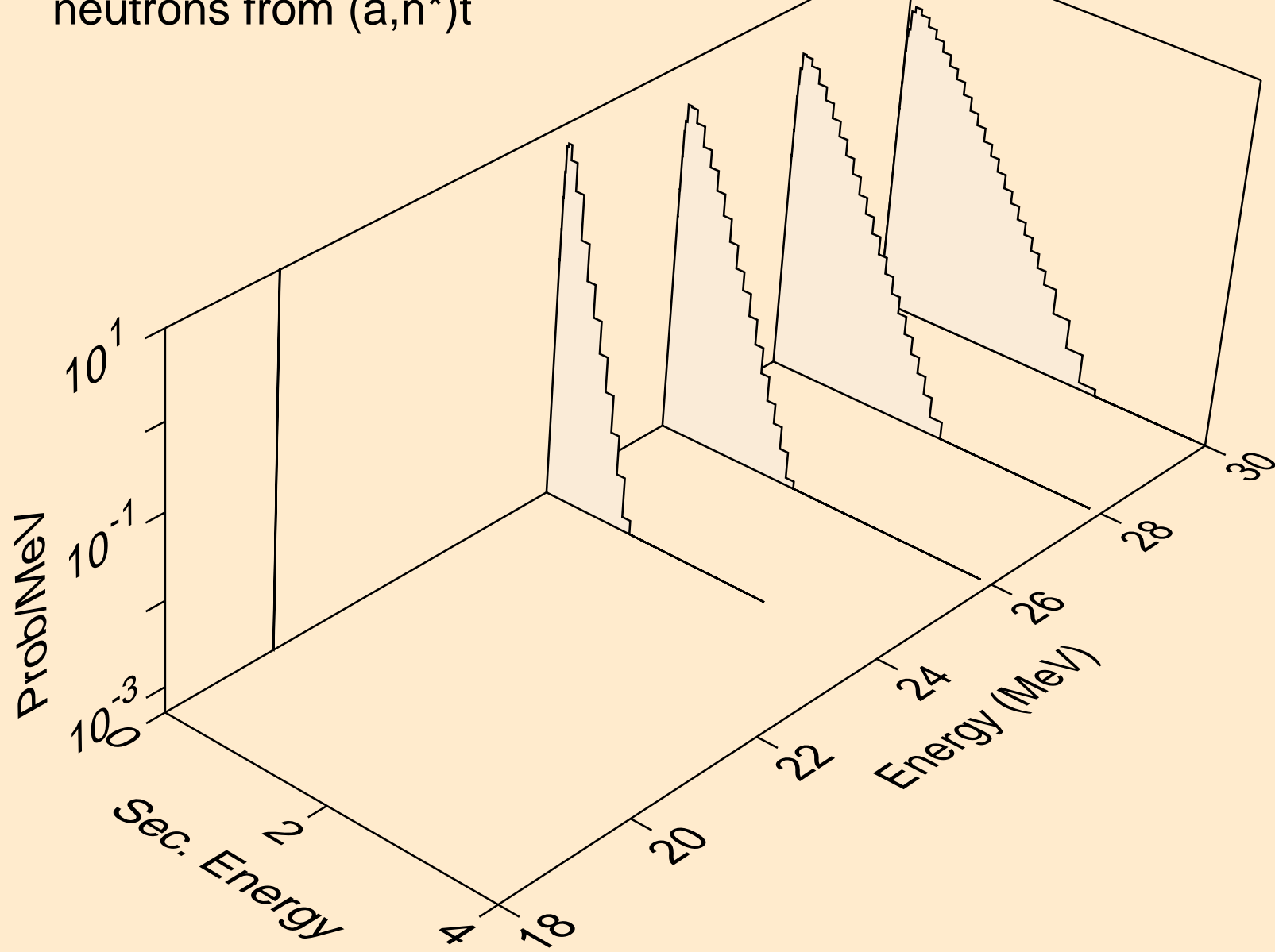
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neutrons from (a,n\*)p



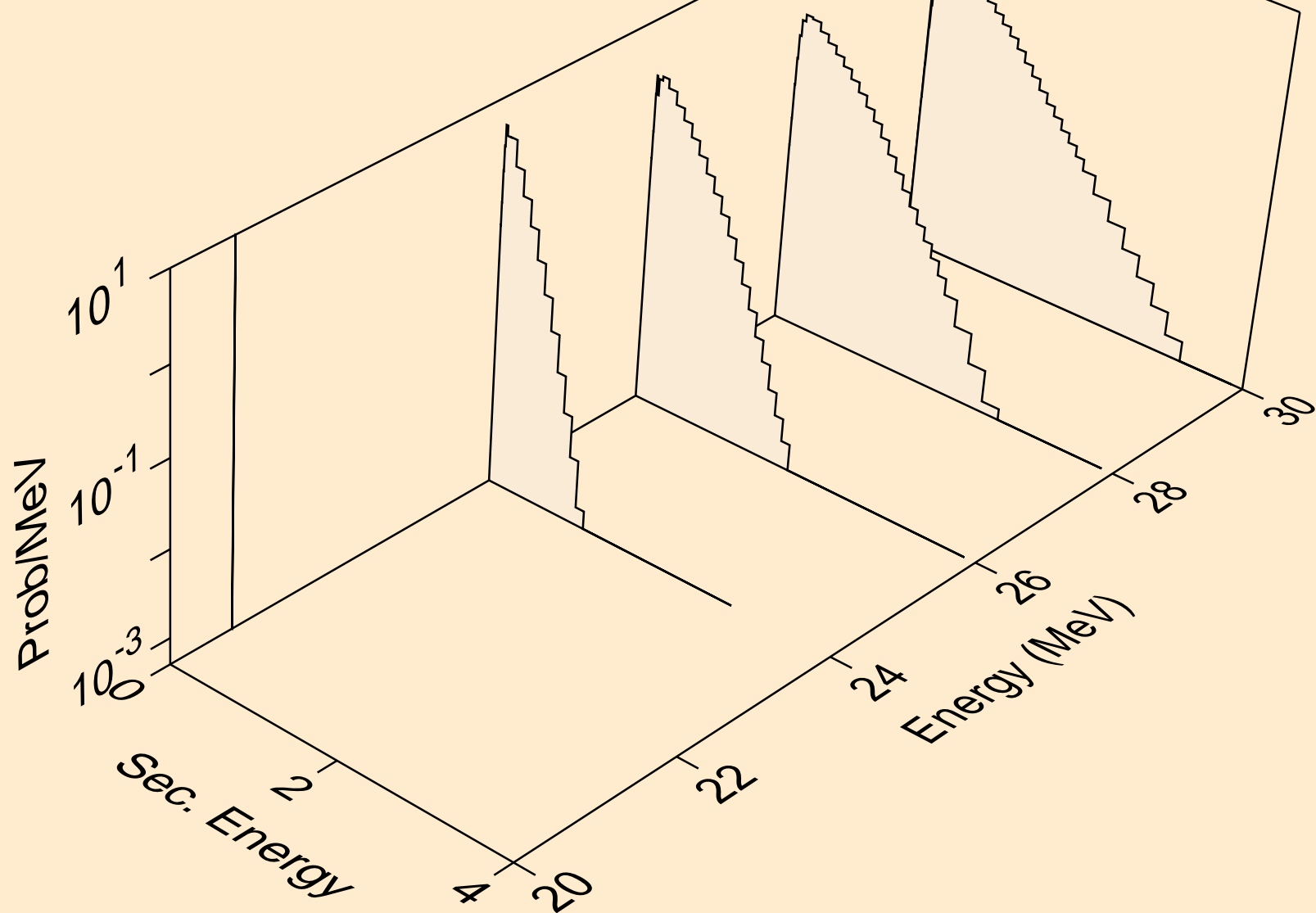
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neutrons from (a,n\*)d



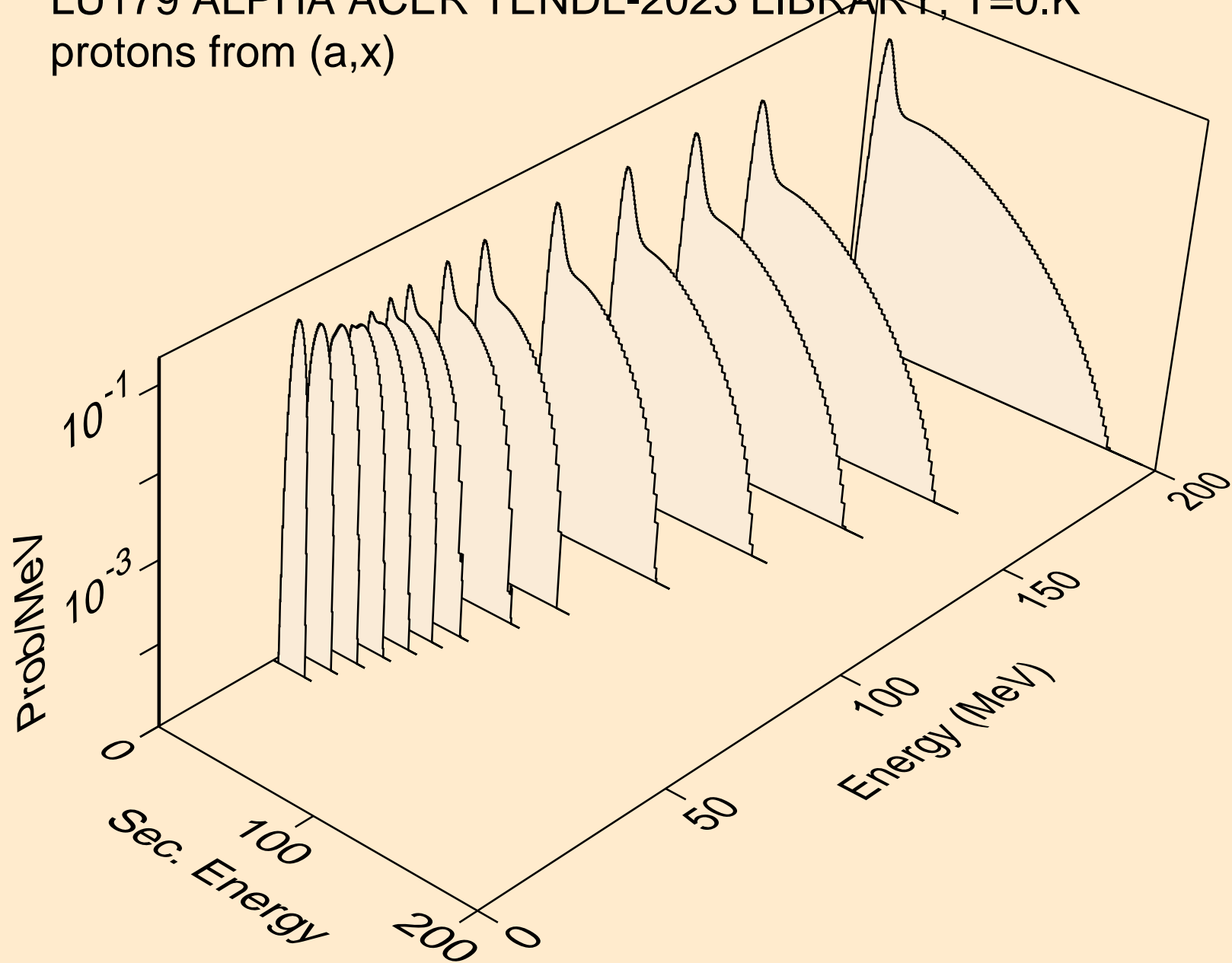
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neutrons from (a,n\*)t



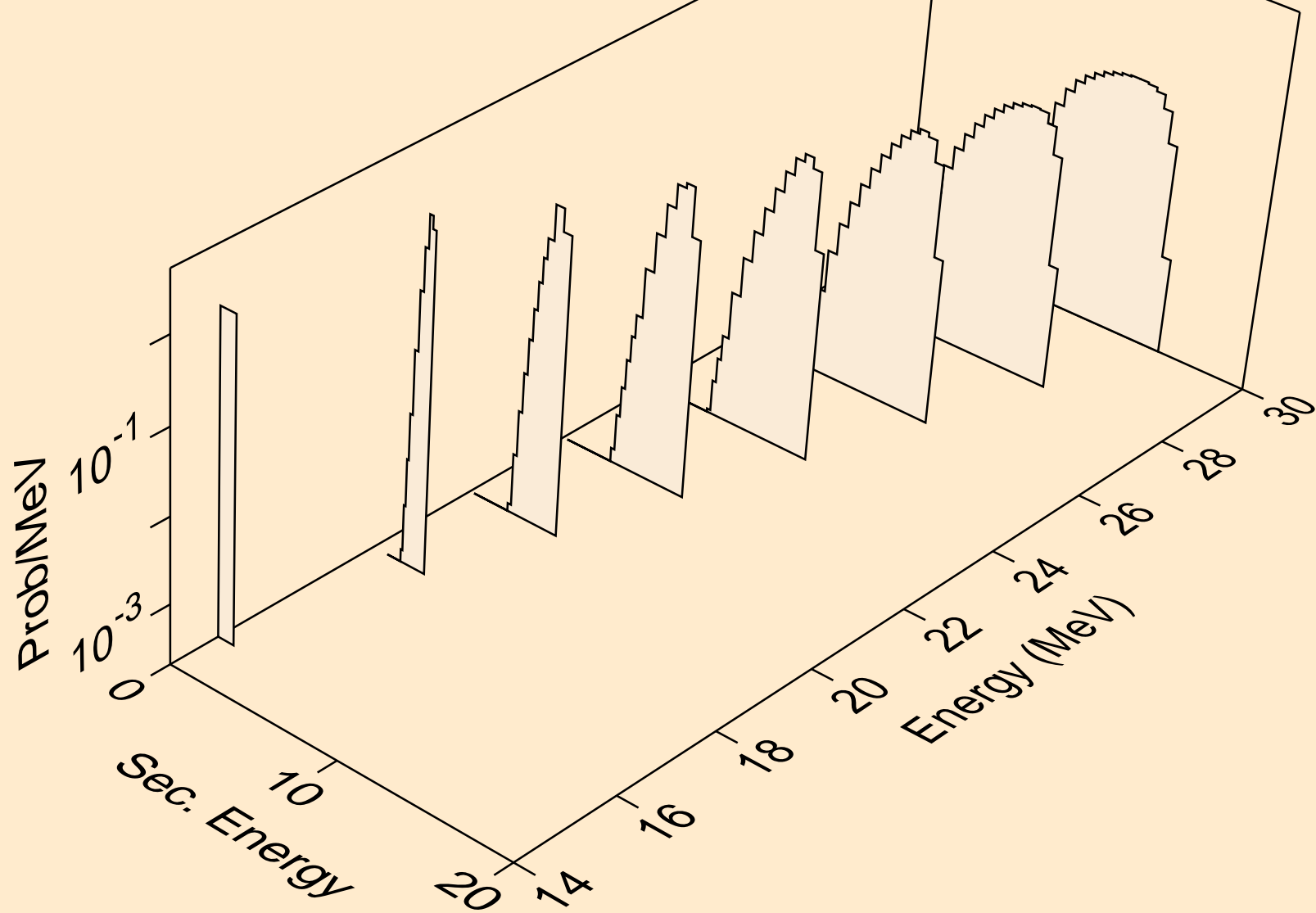
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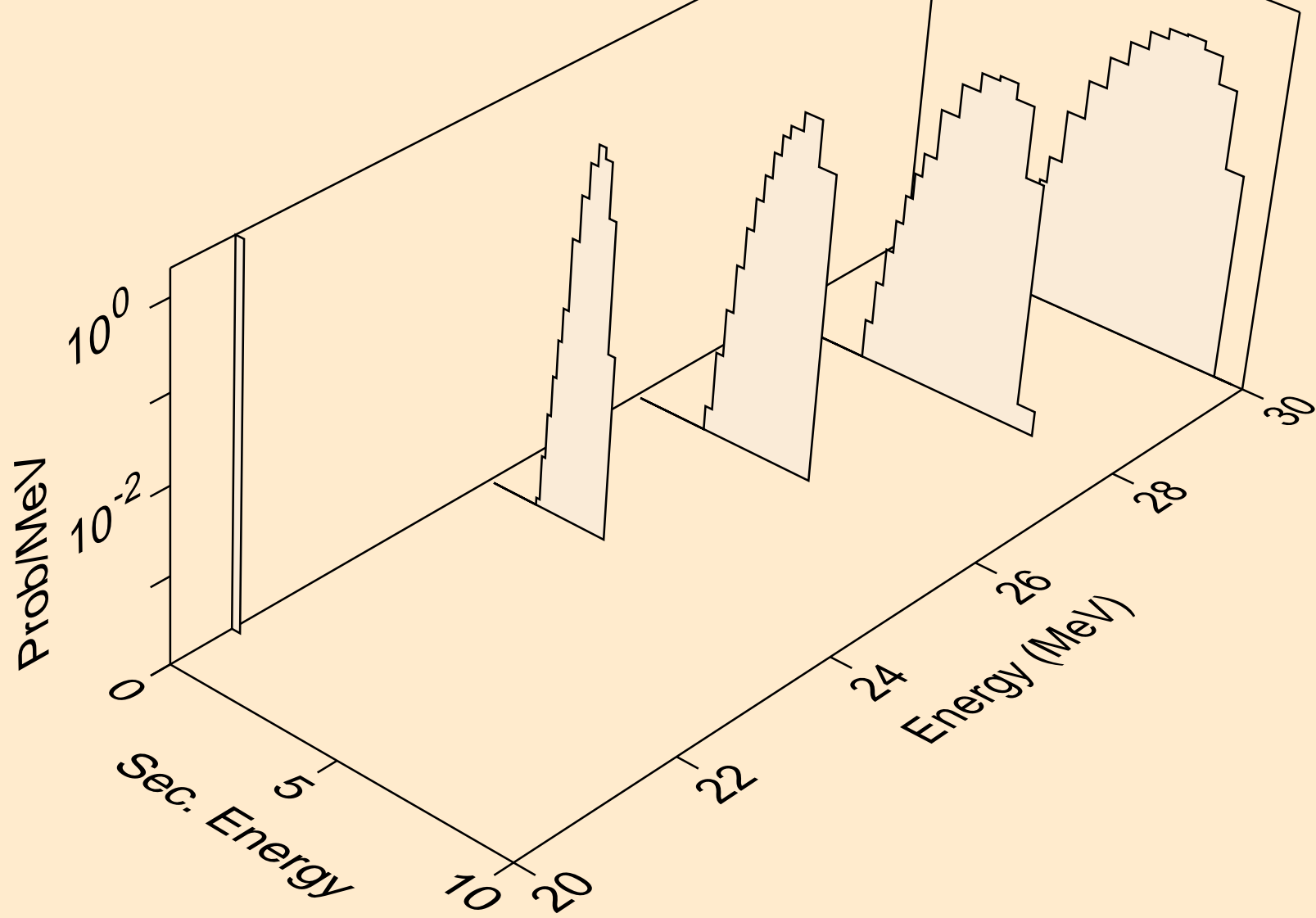
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protons from (a,x)



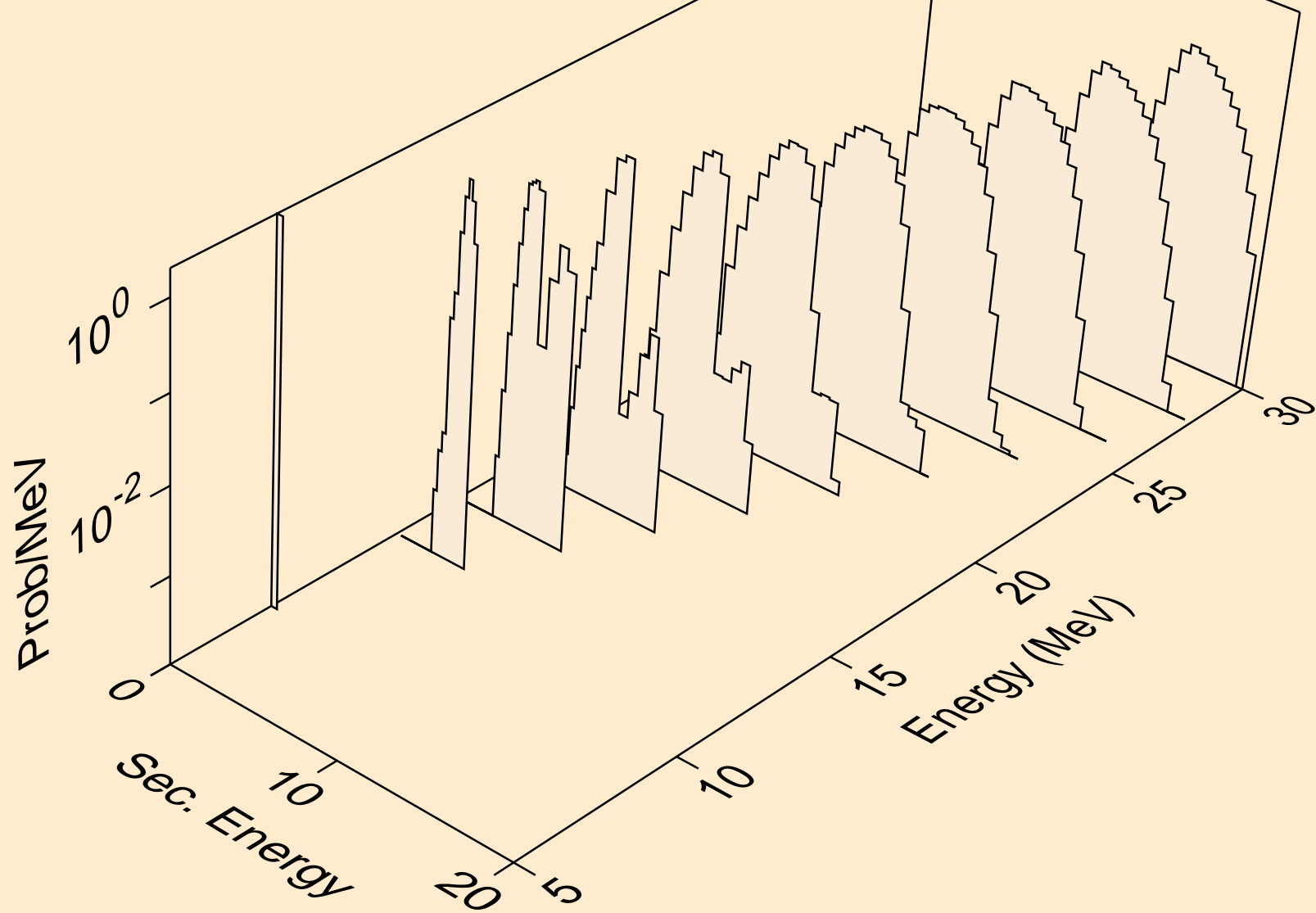
LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,n\*)p



LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,2np)

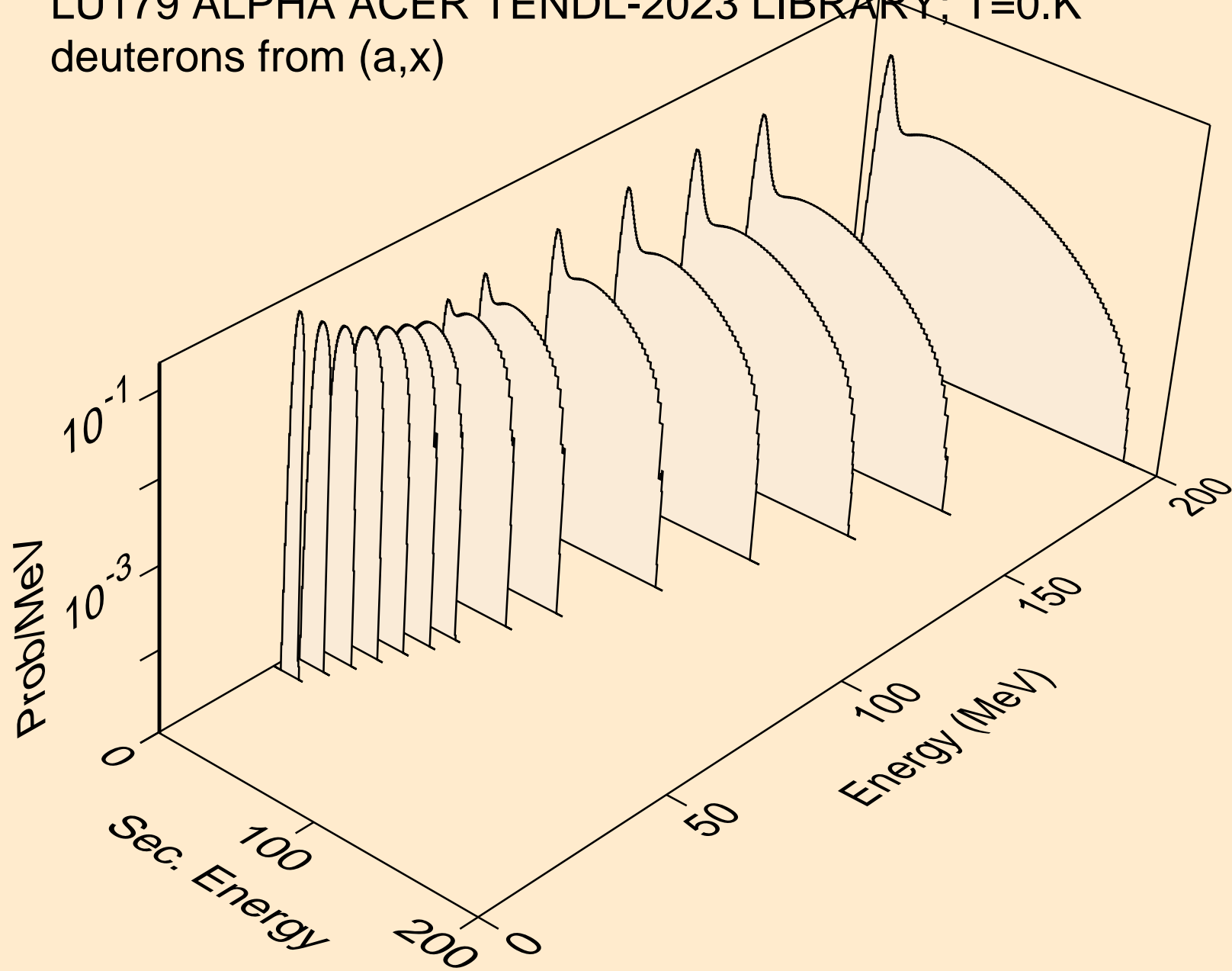


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protons from (a,p)

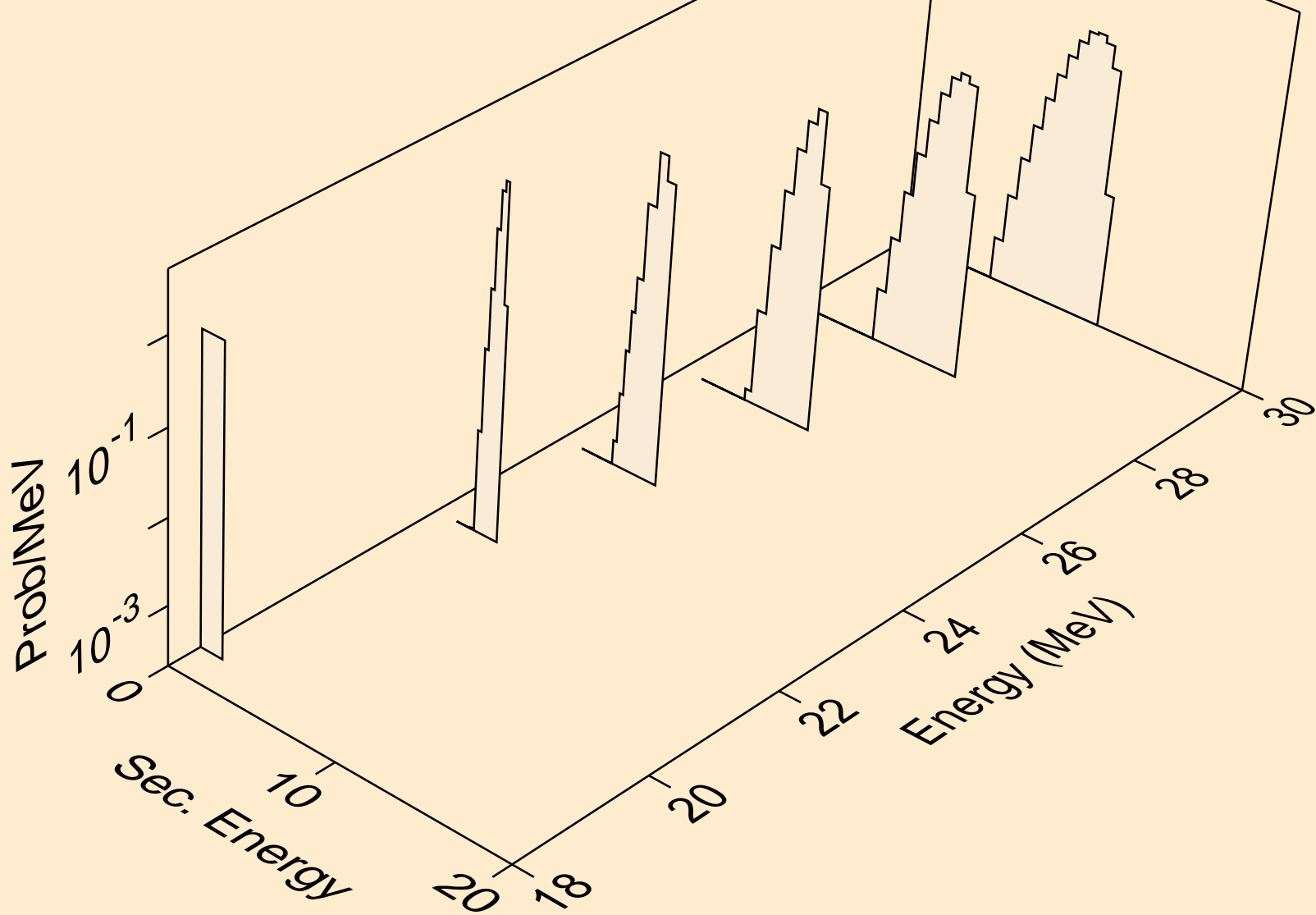




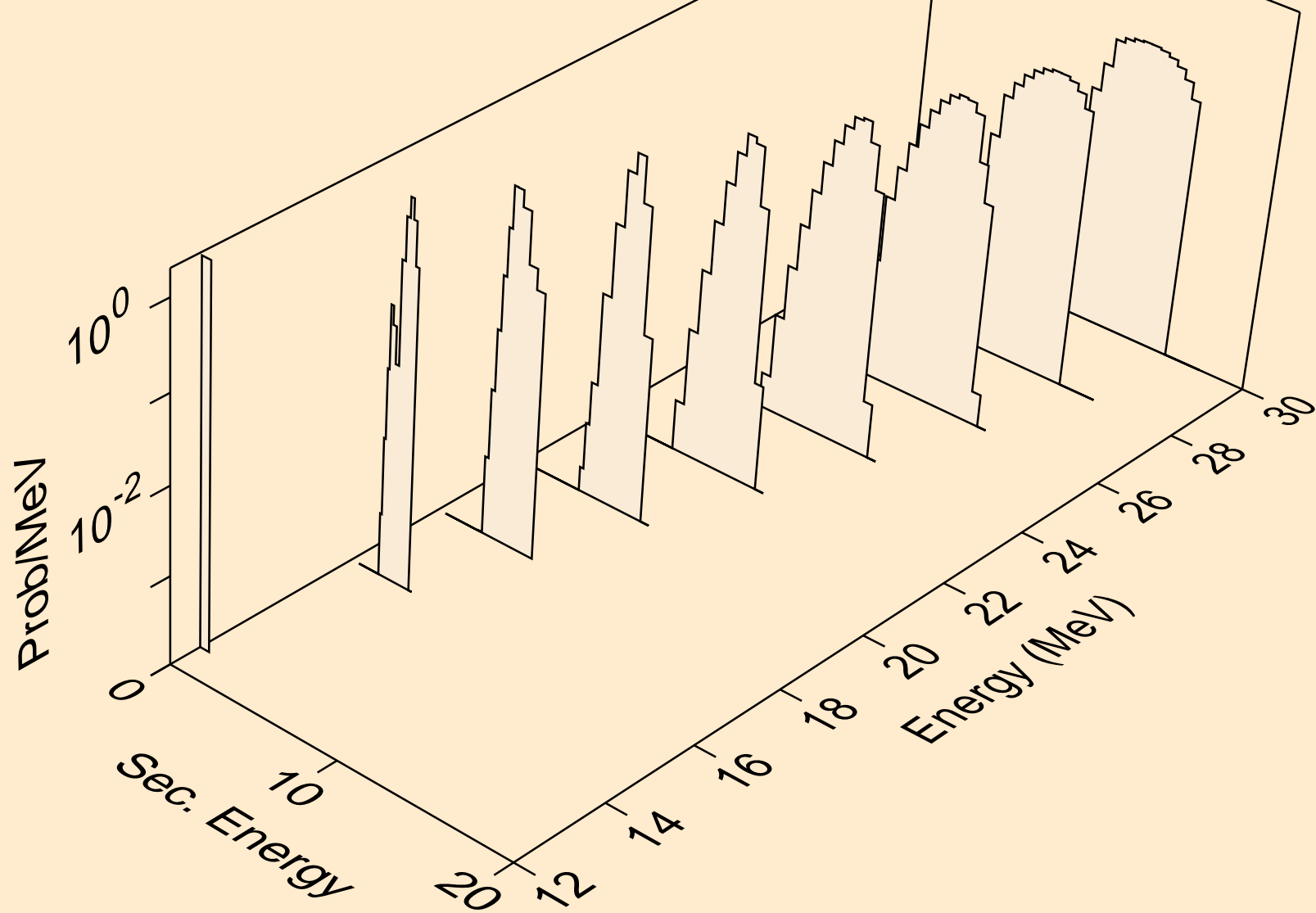
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deuterons from (a,x)



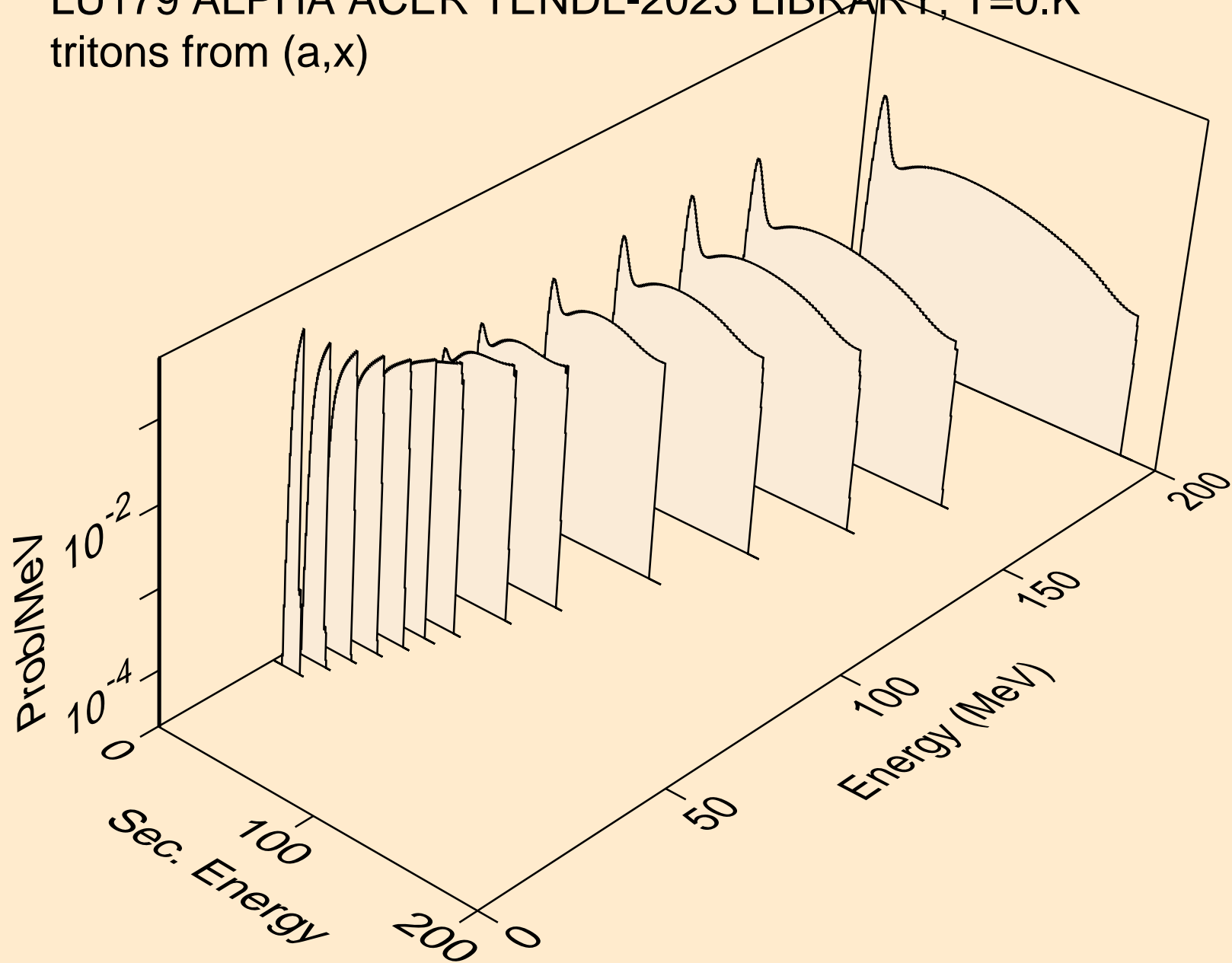
LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
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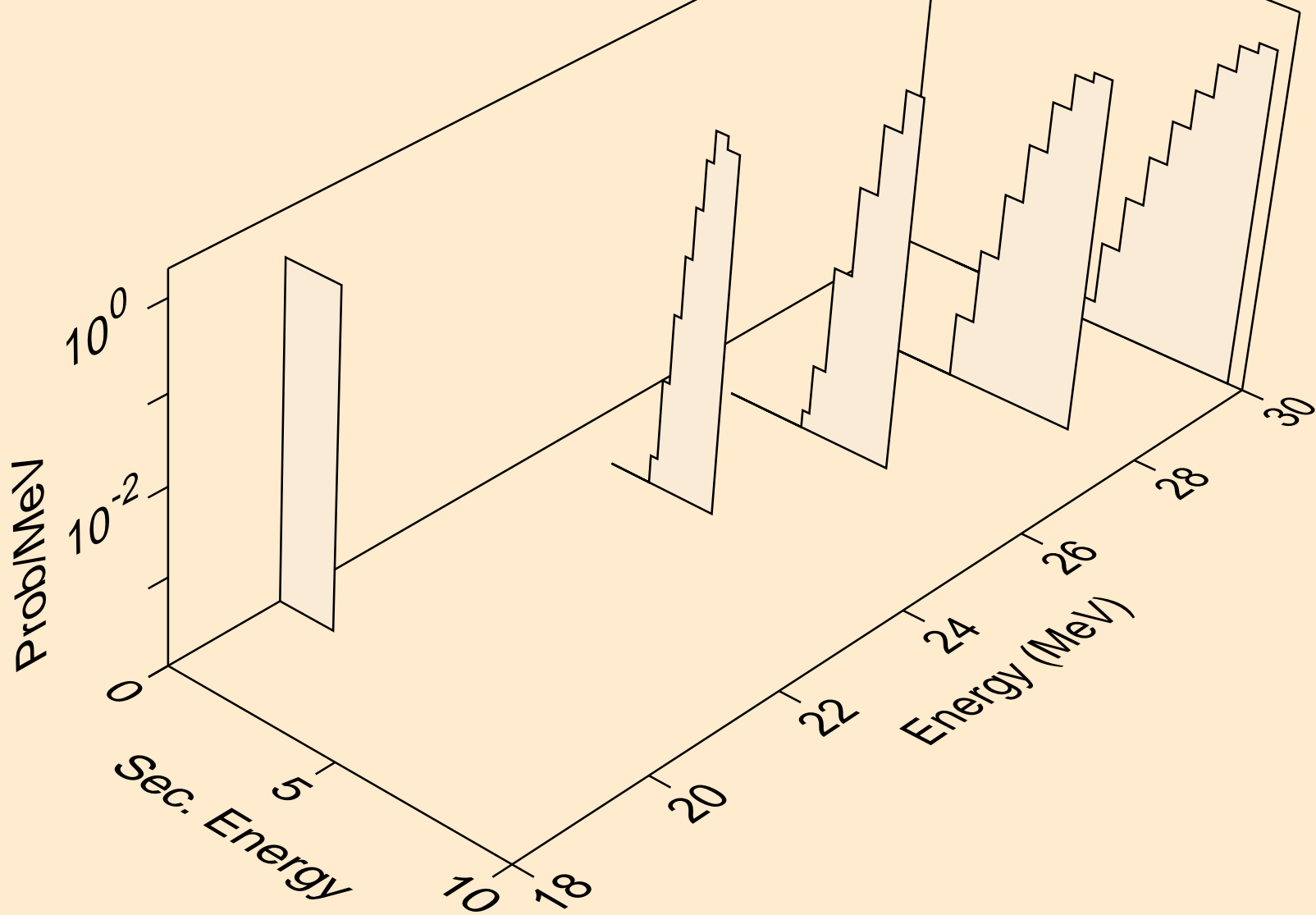
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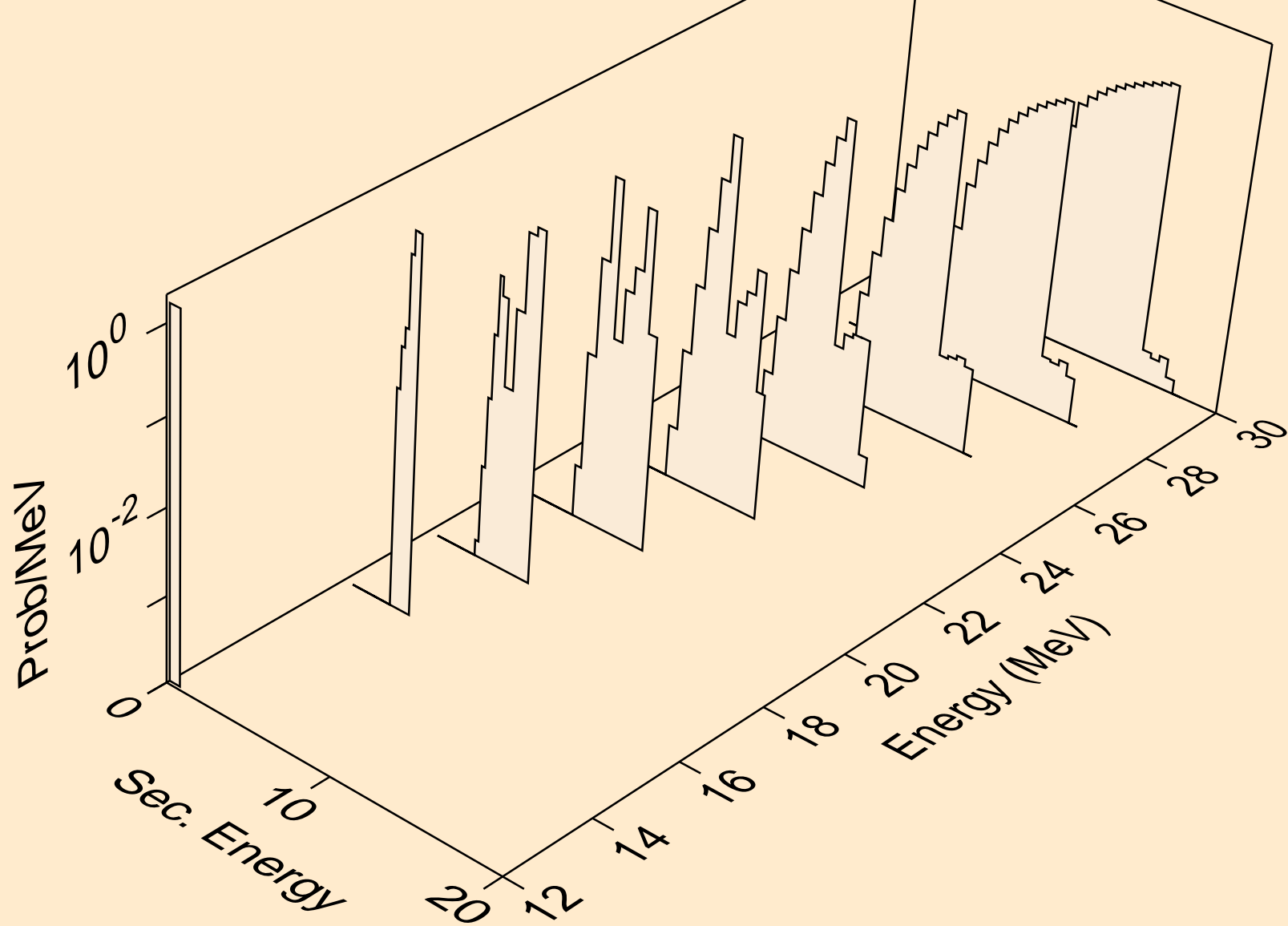
LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,x)



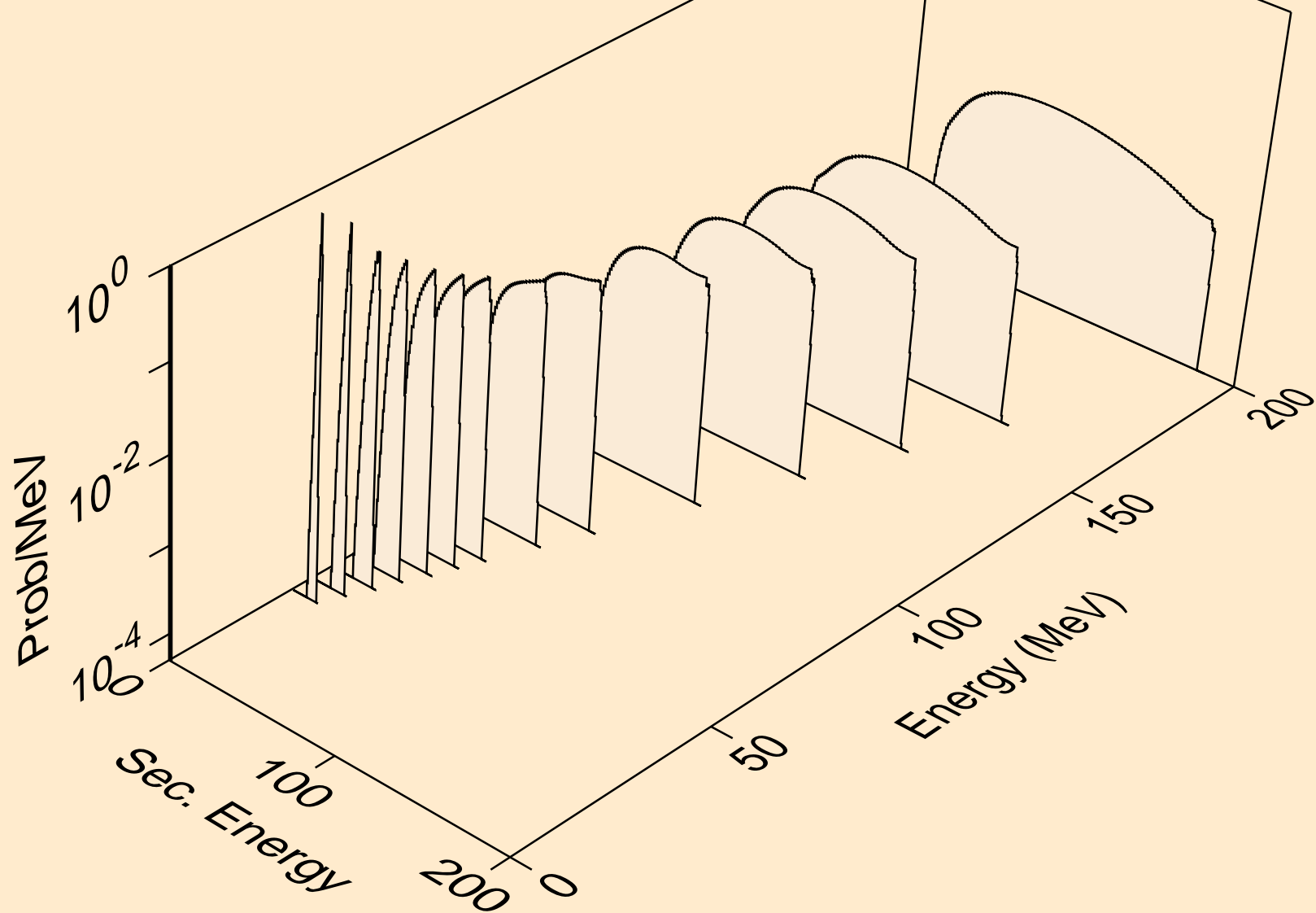
LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,n\*)t



LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,t)



LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,x)



LU179 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,he3)

