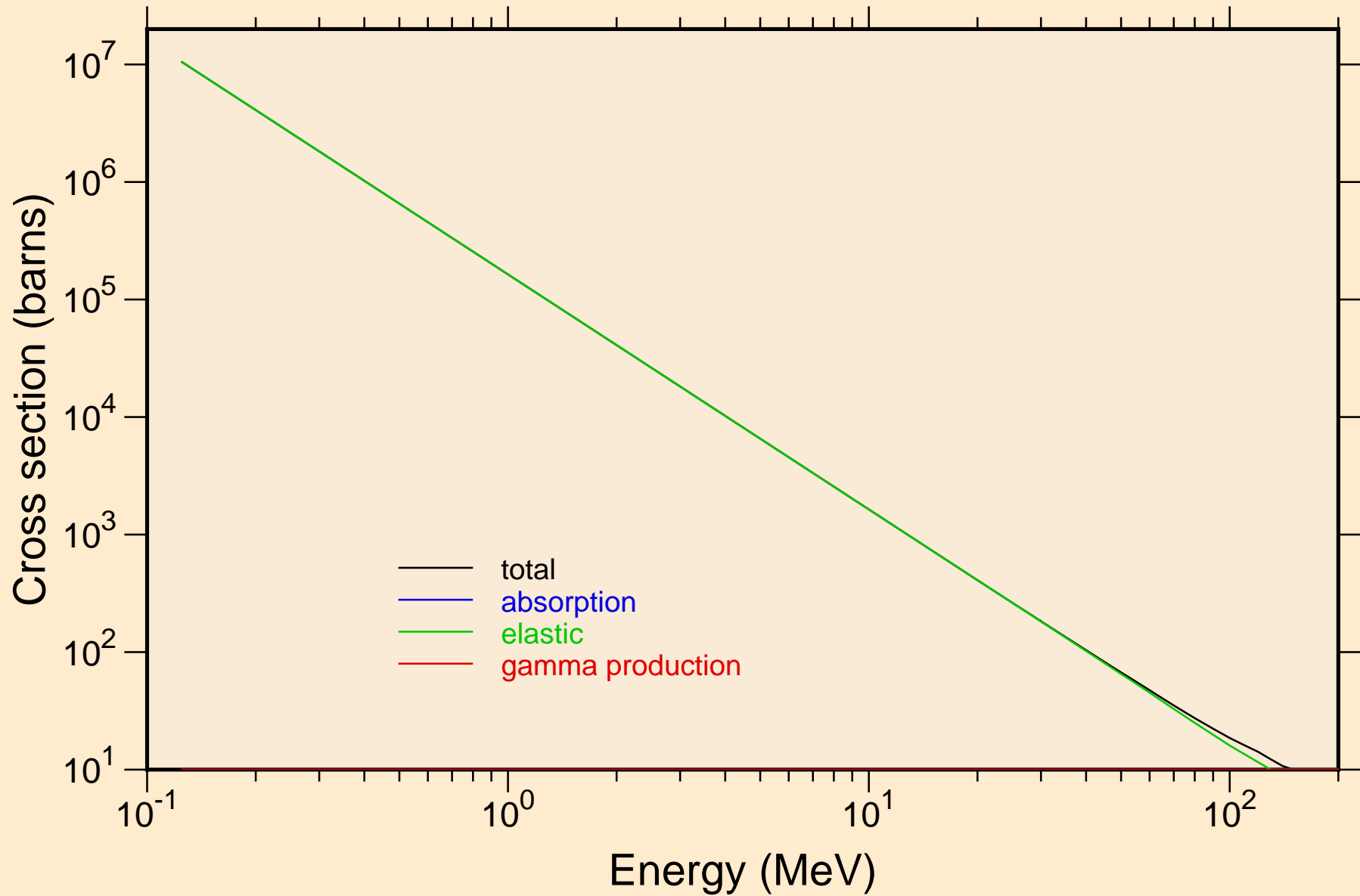


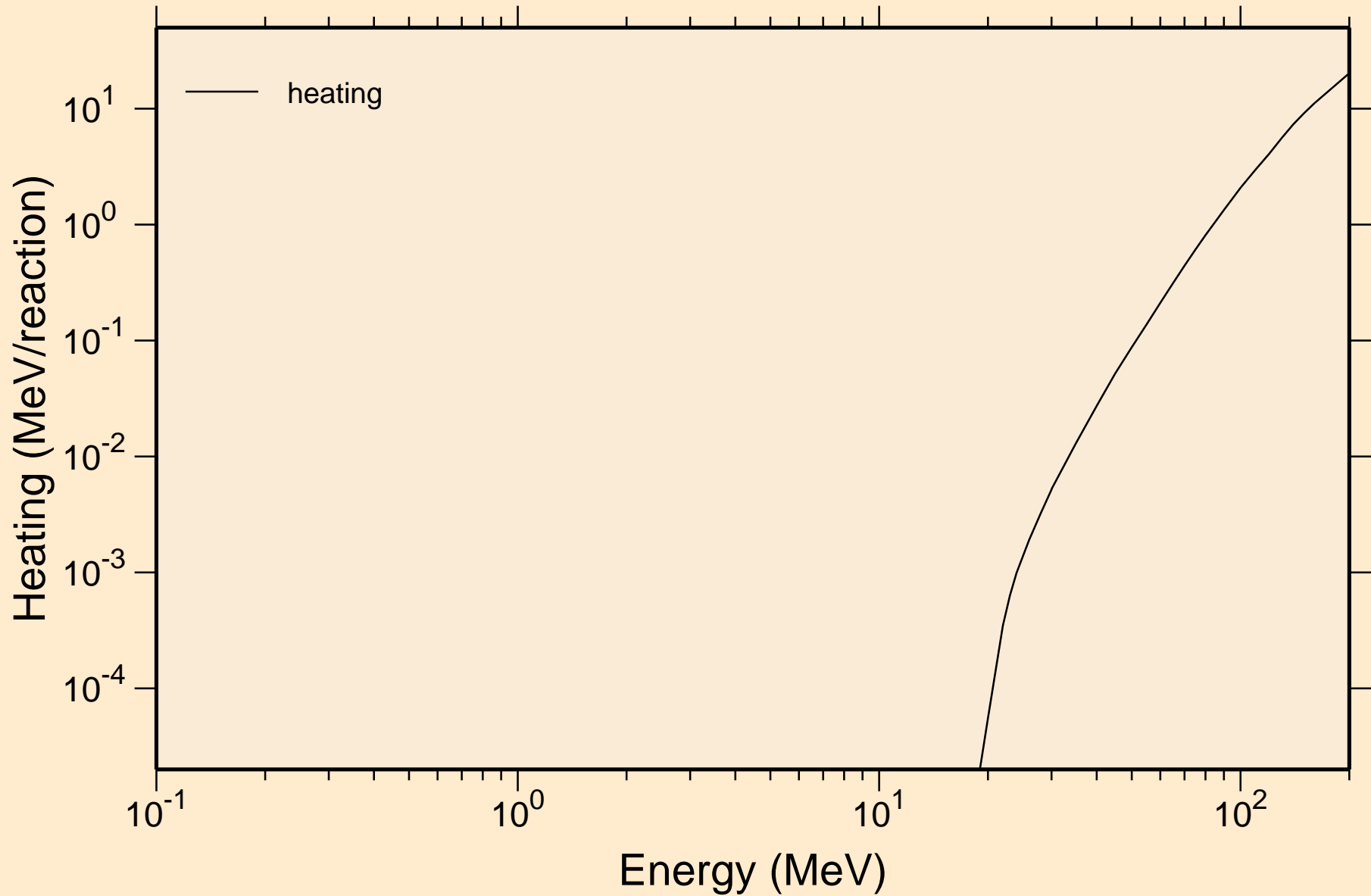
# HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



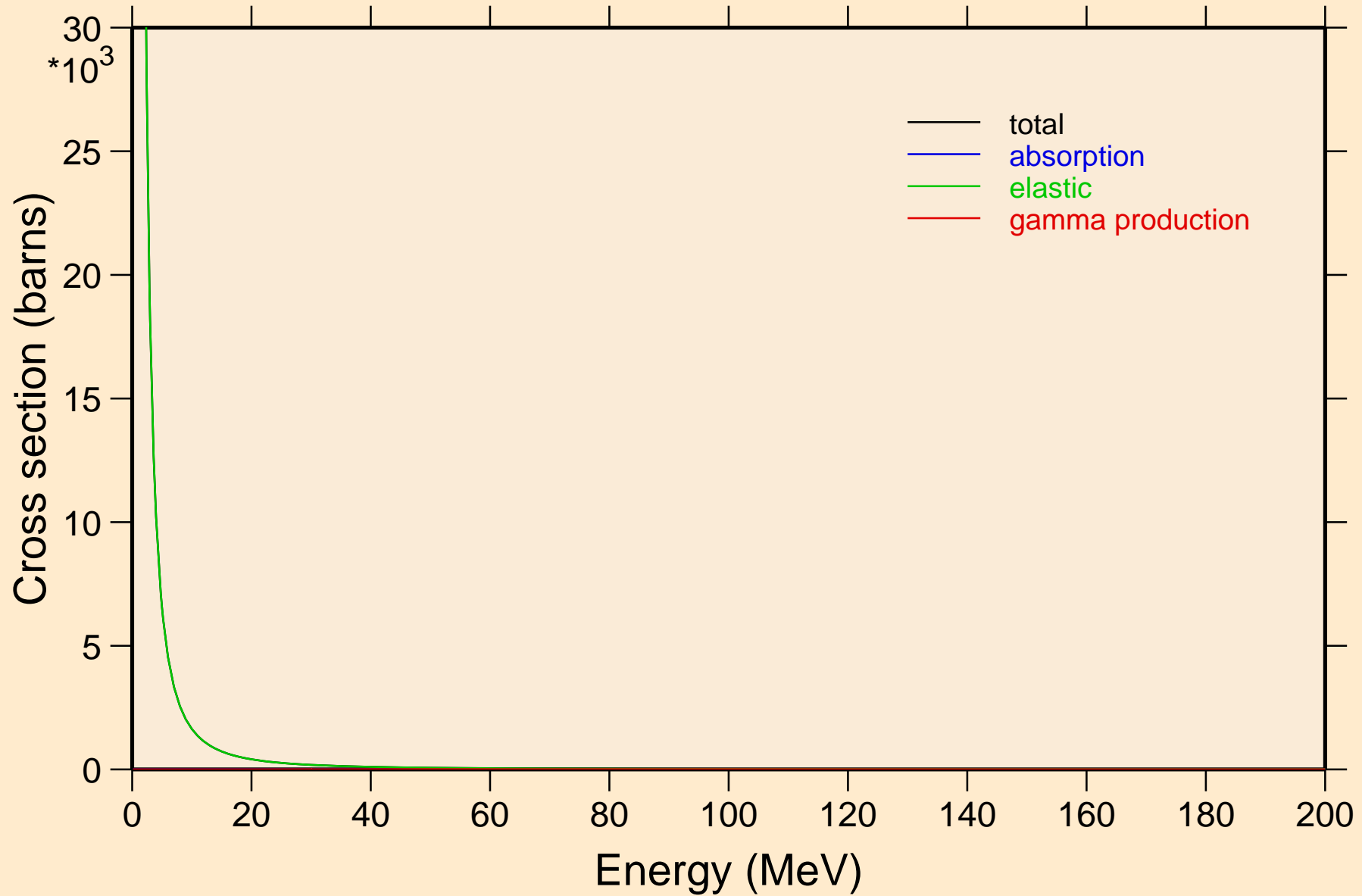
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## Heating



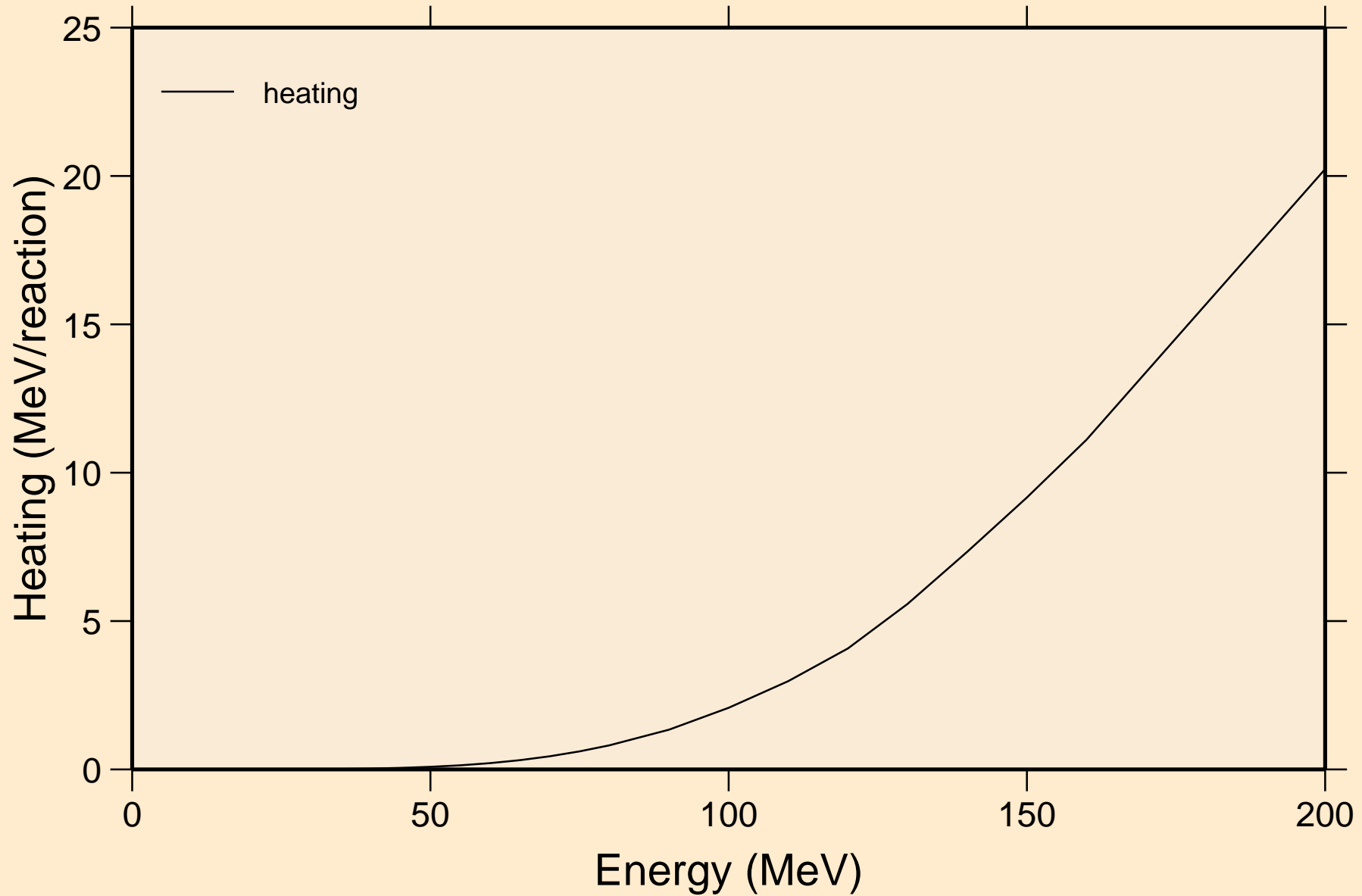
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## Principal cross sections



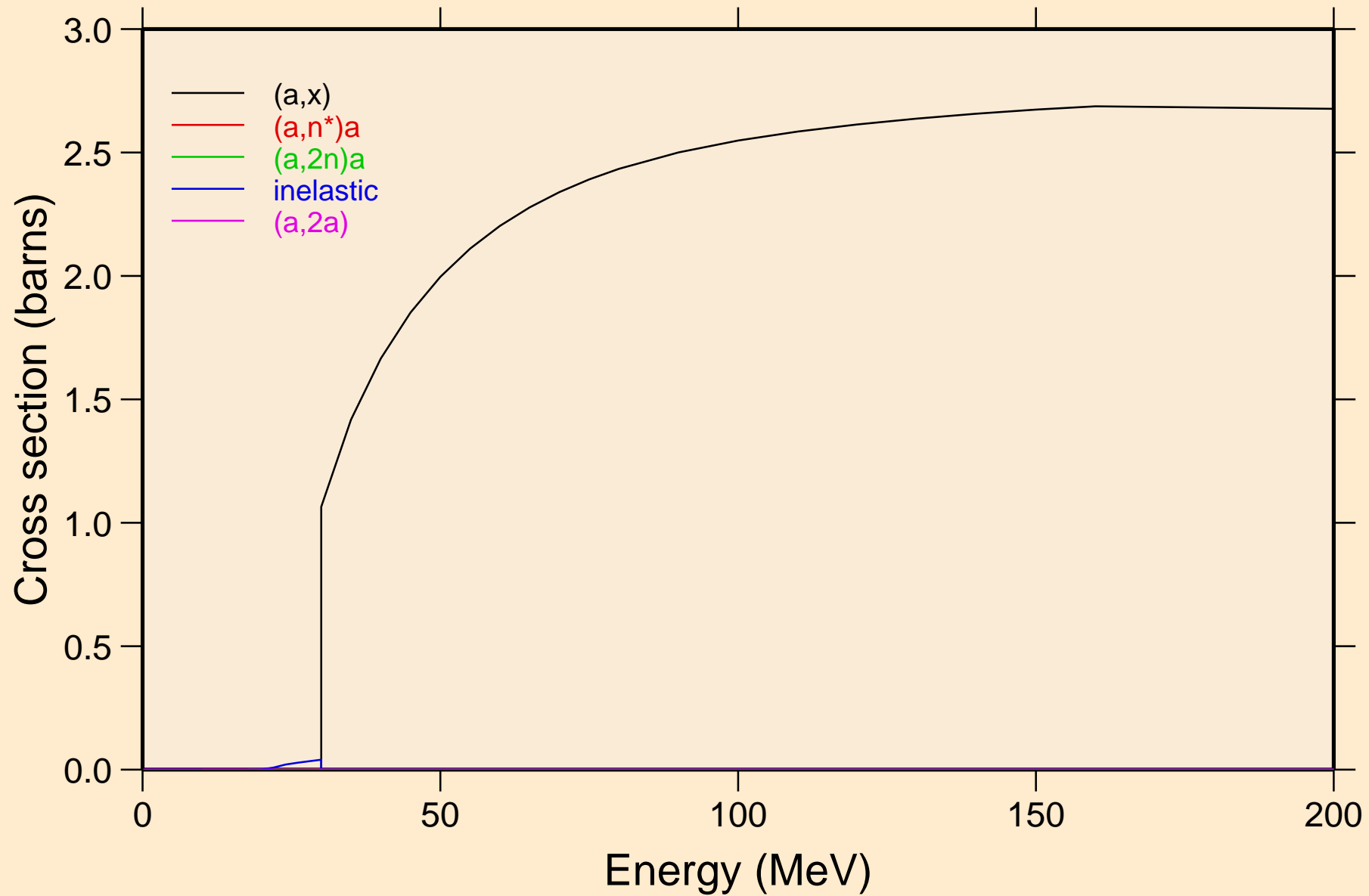
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Heating

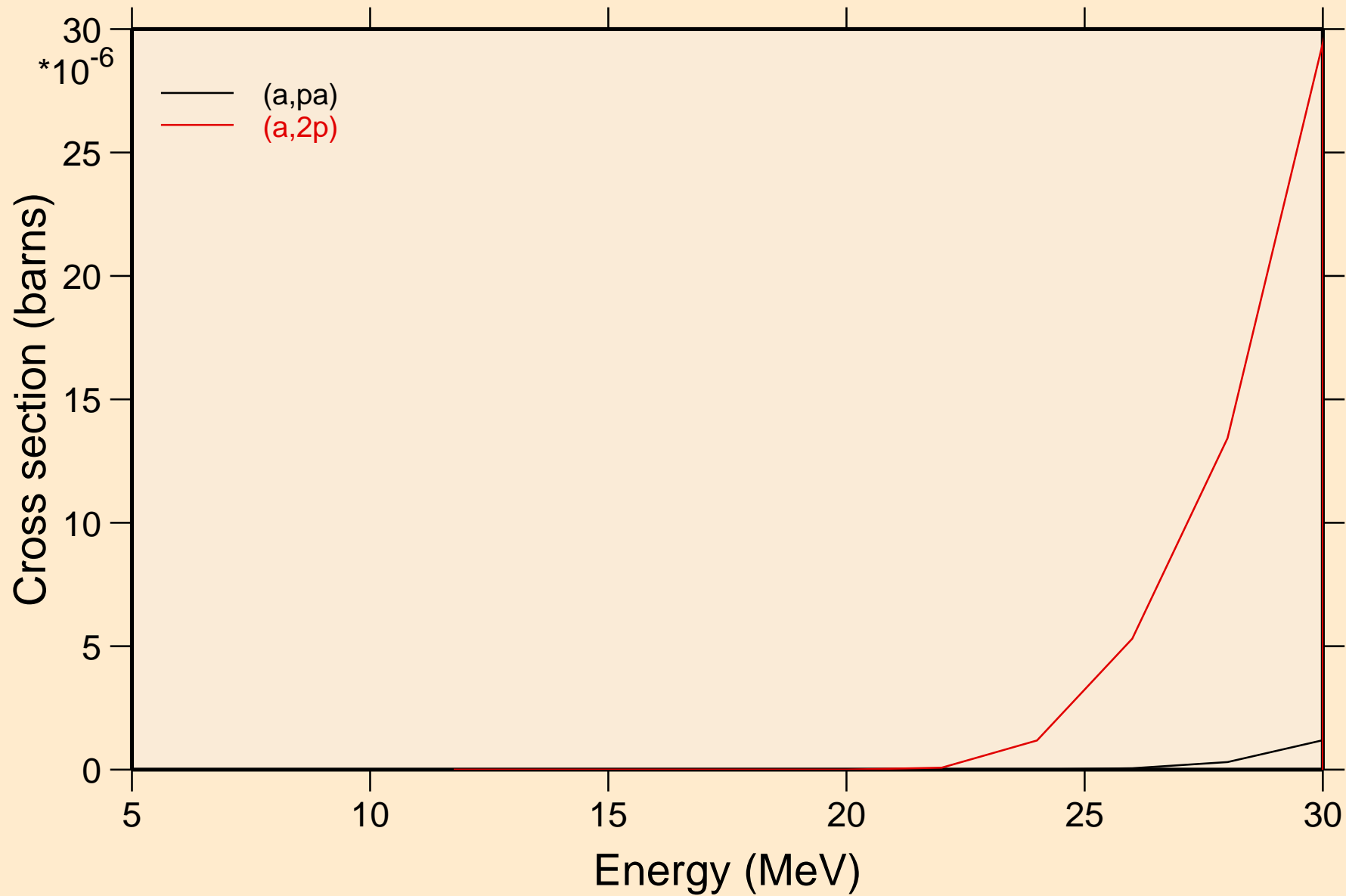


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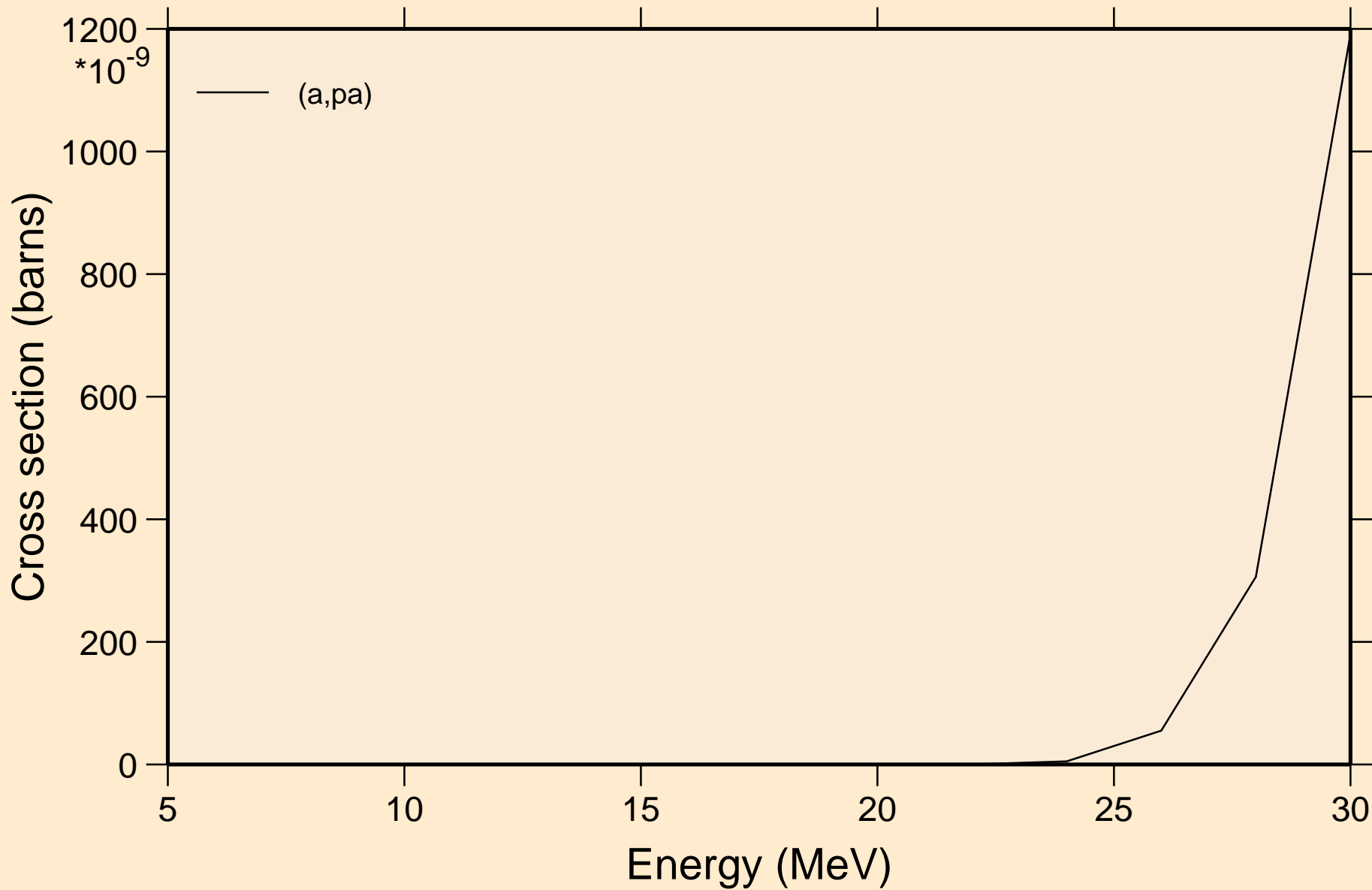
## Threshold reactions



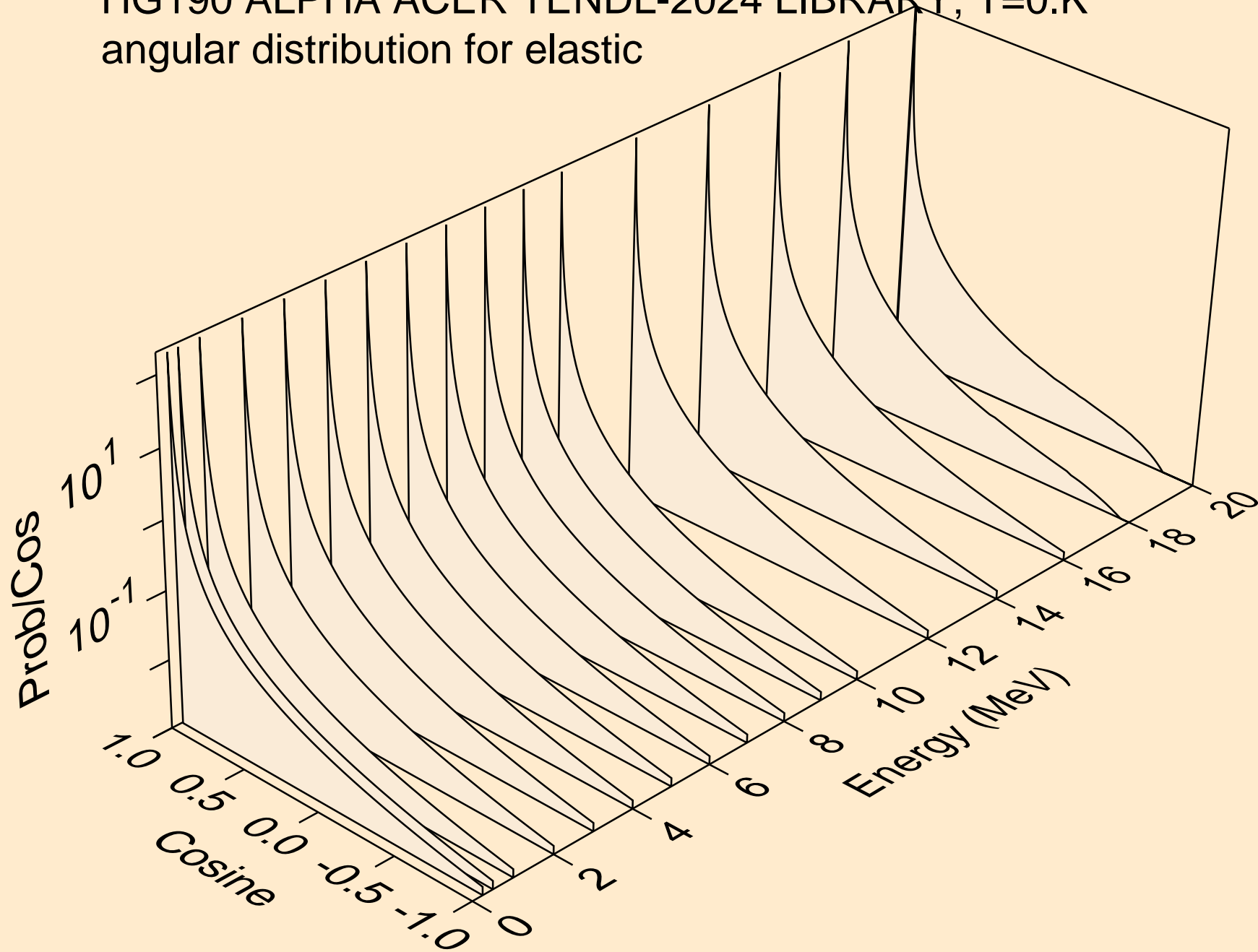
HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



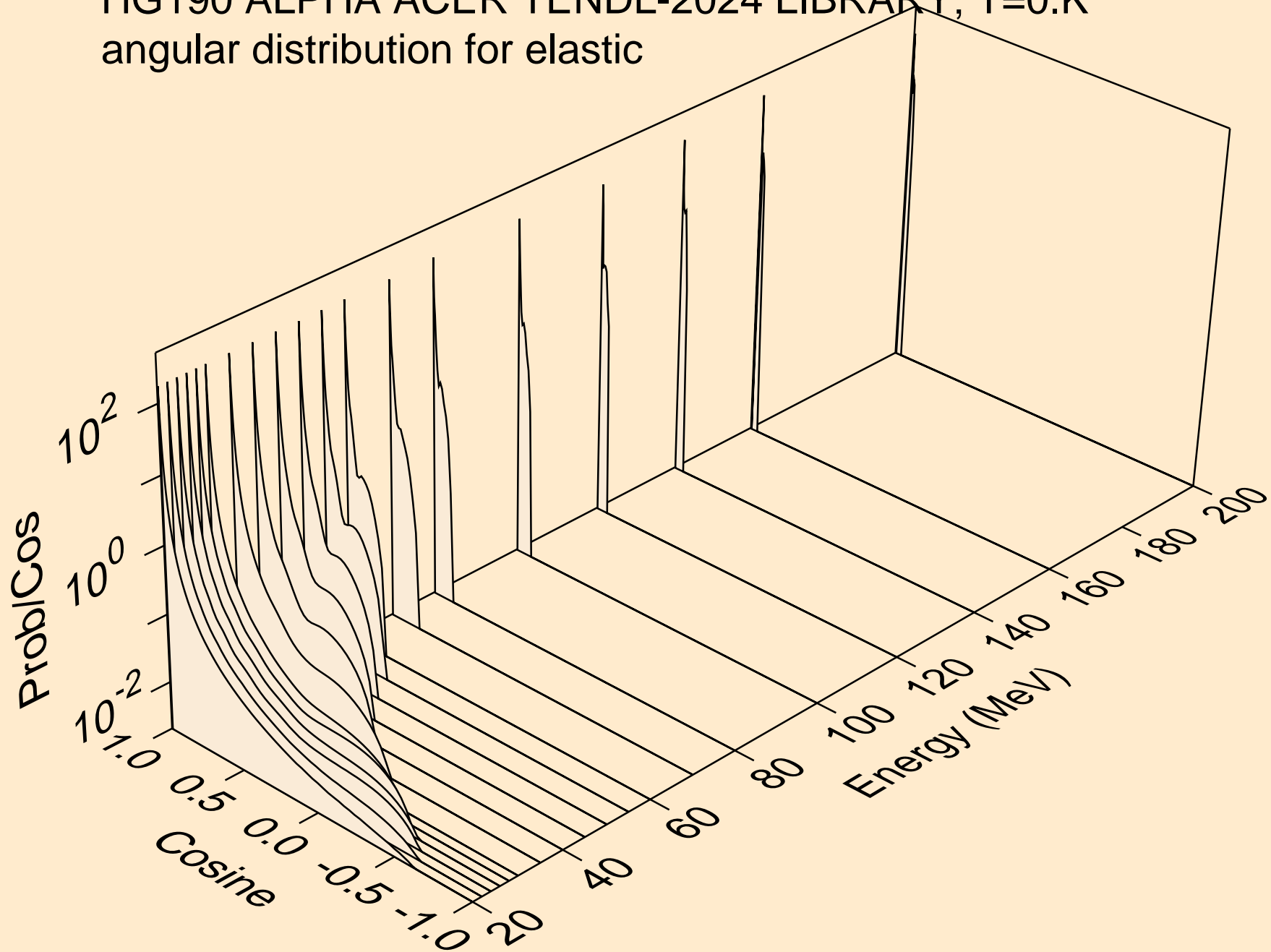
HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



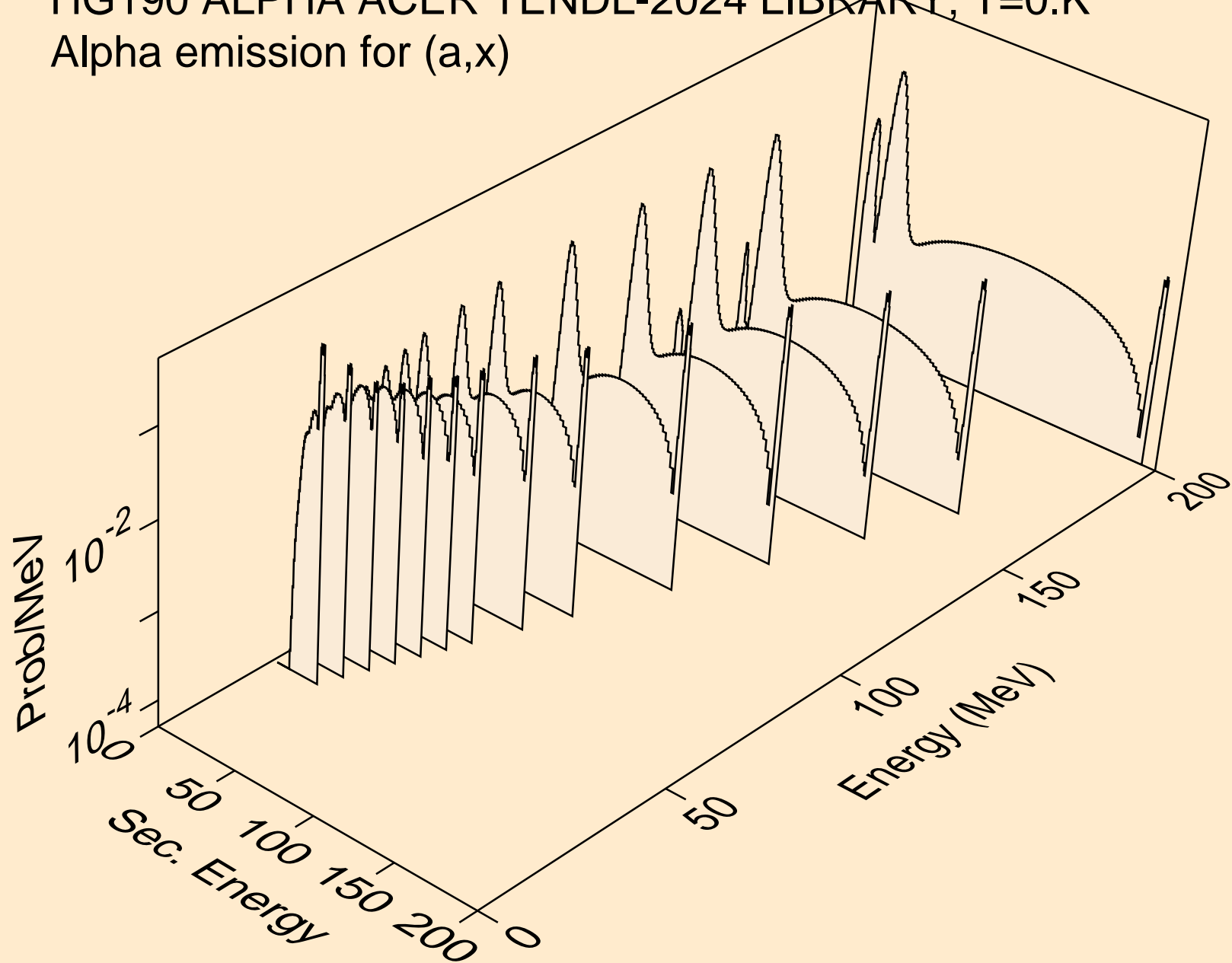
HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



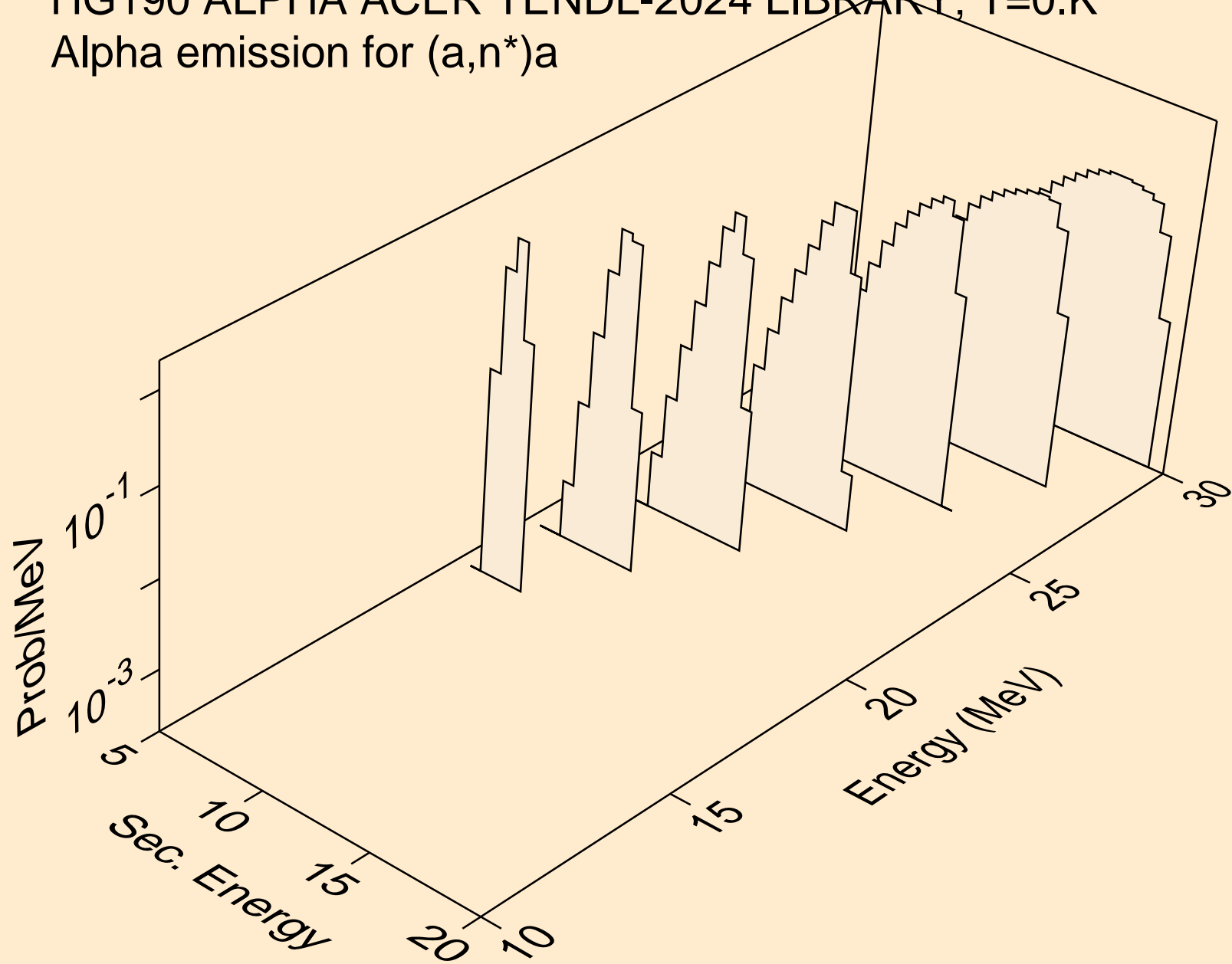
HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



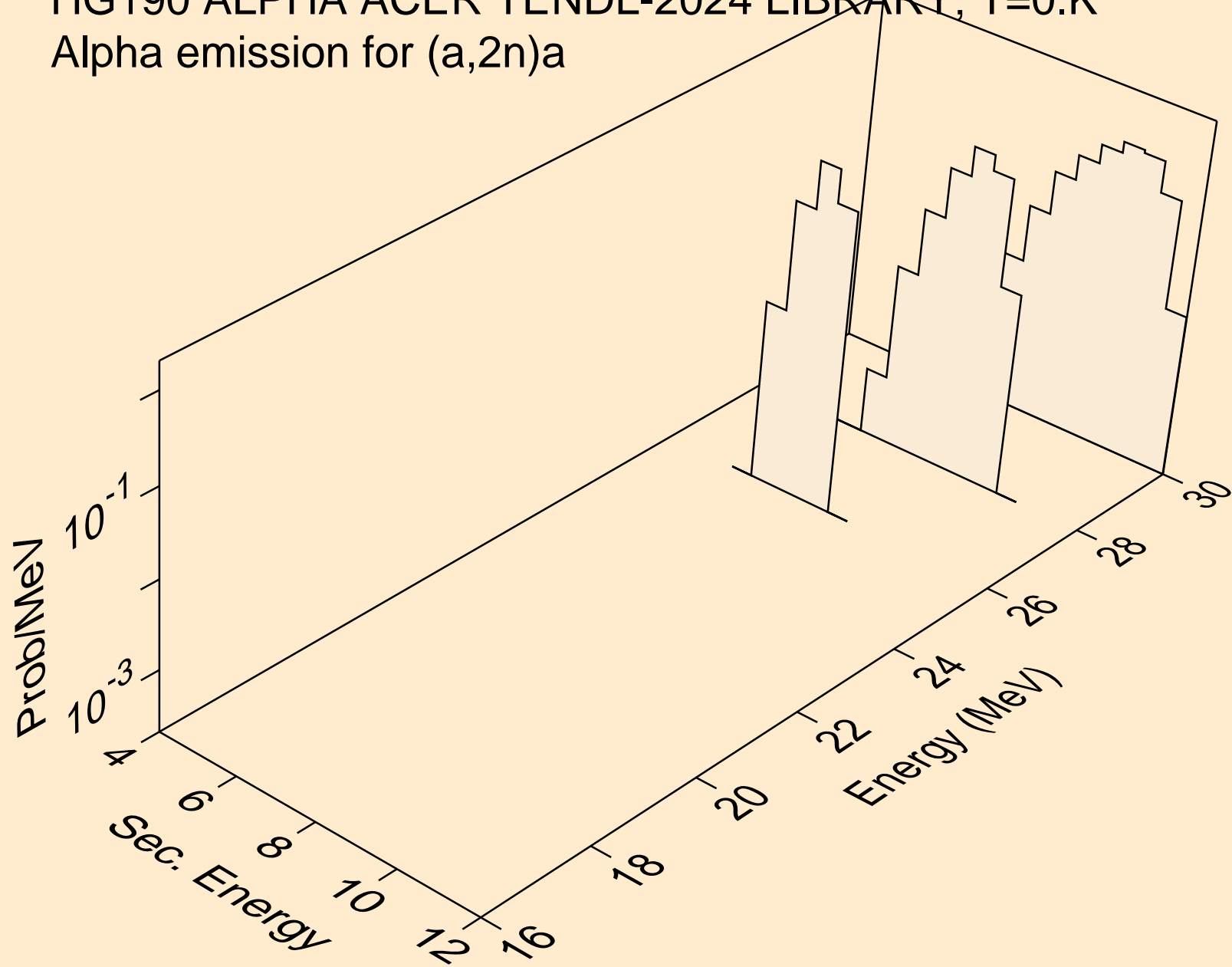
HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Alpha emission for (a,x)



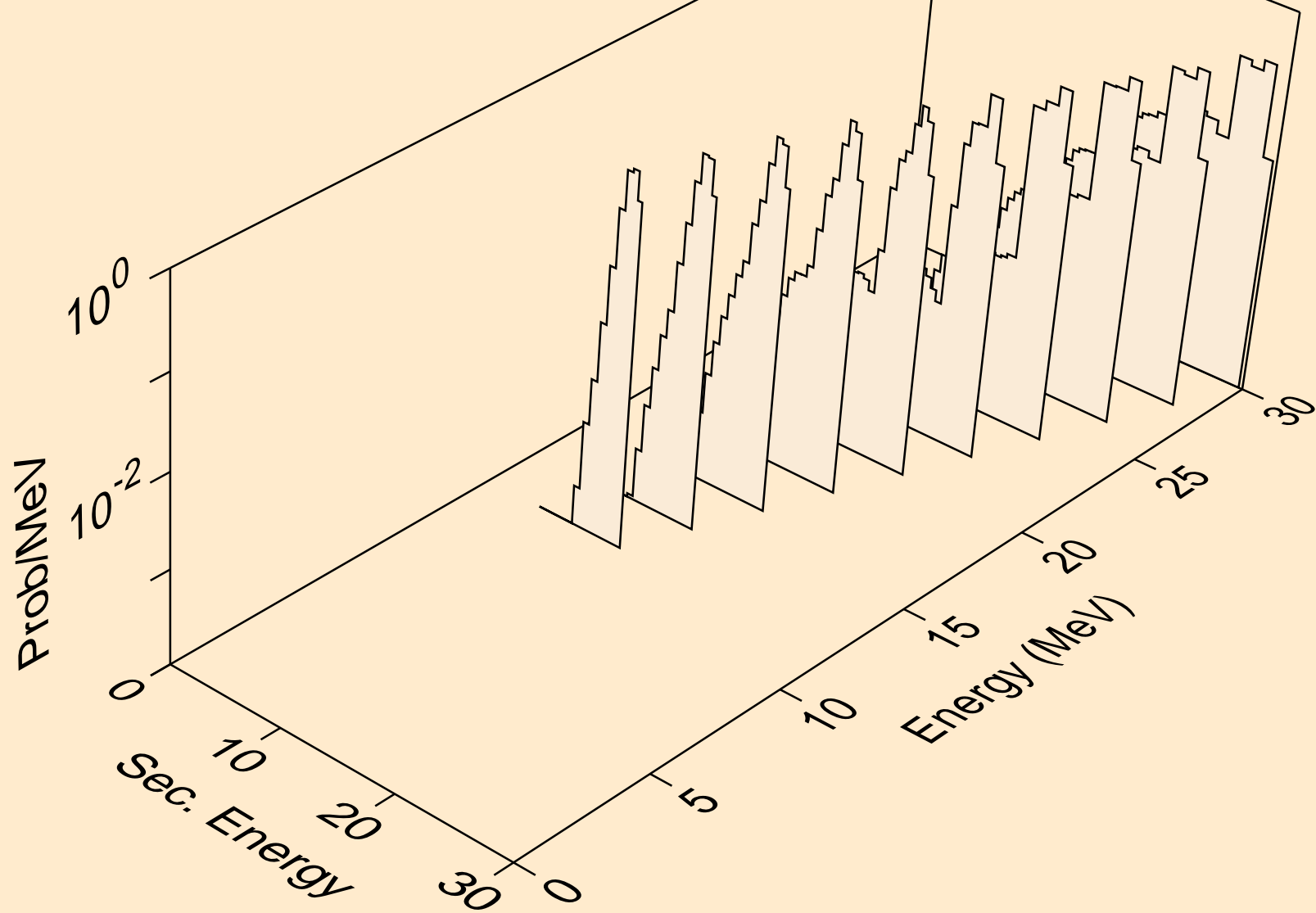
HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Alpha emission for (a,n\*)a



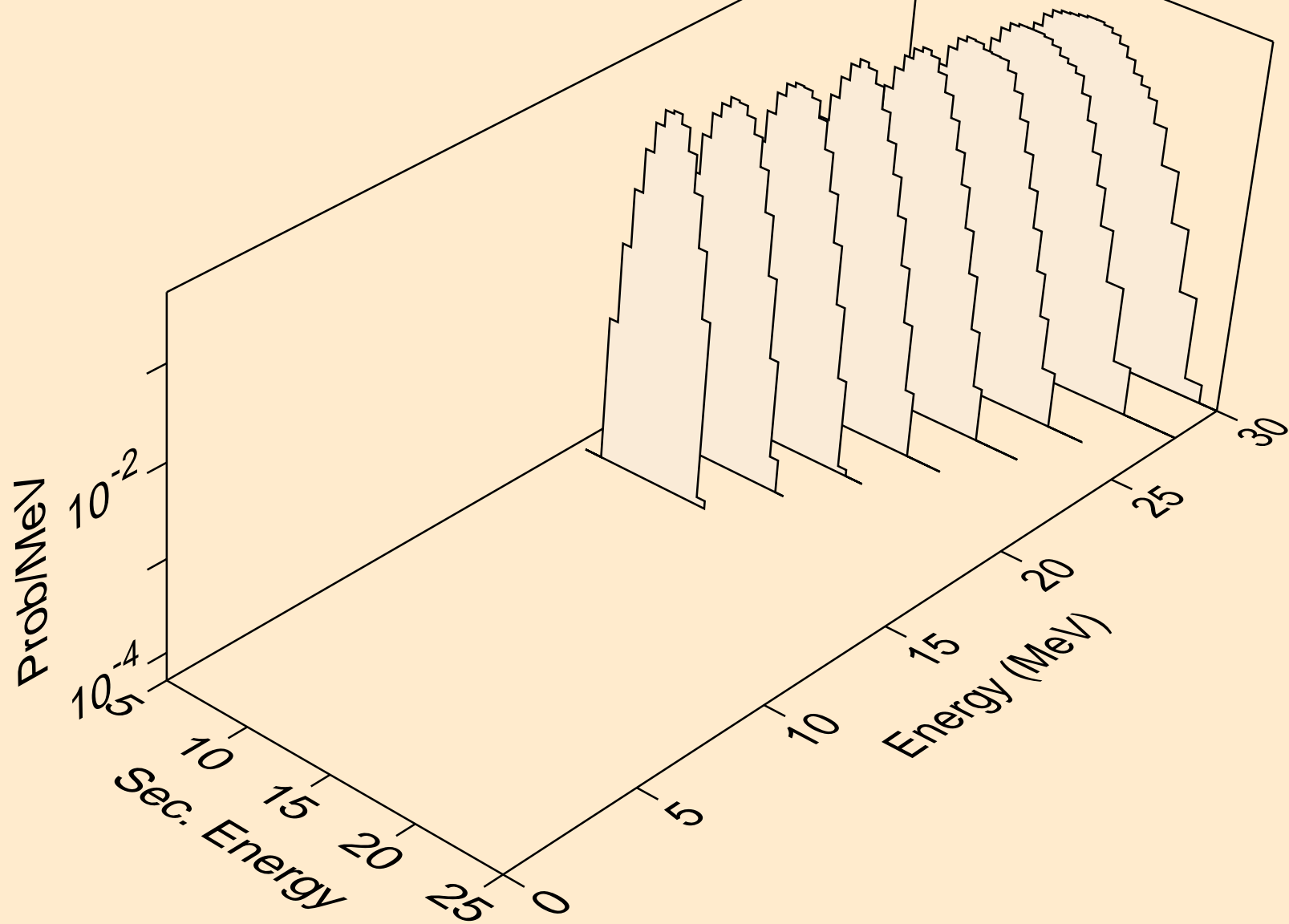
HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Alpha emission for (a,2n)a



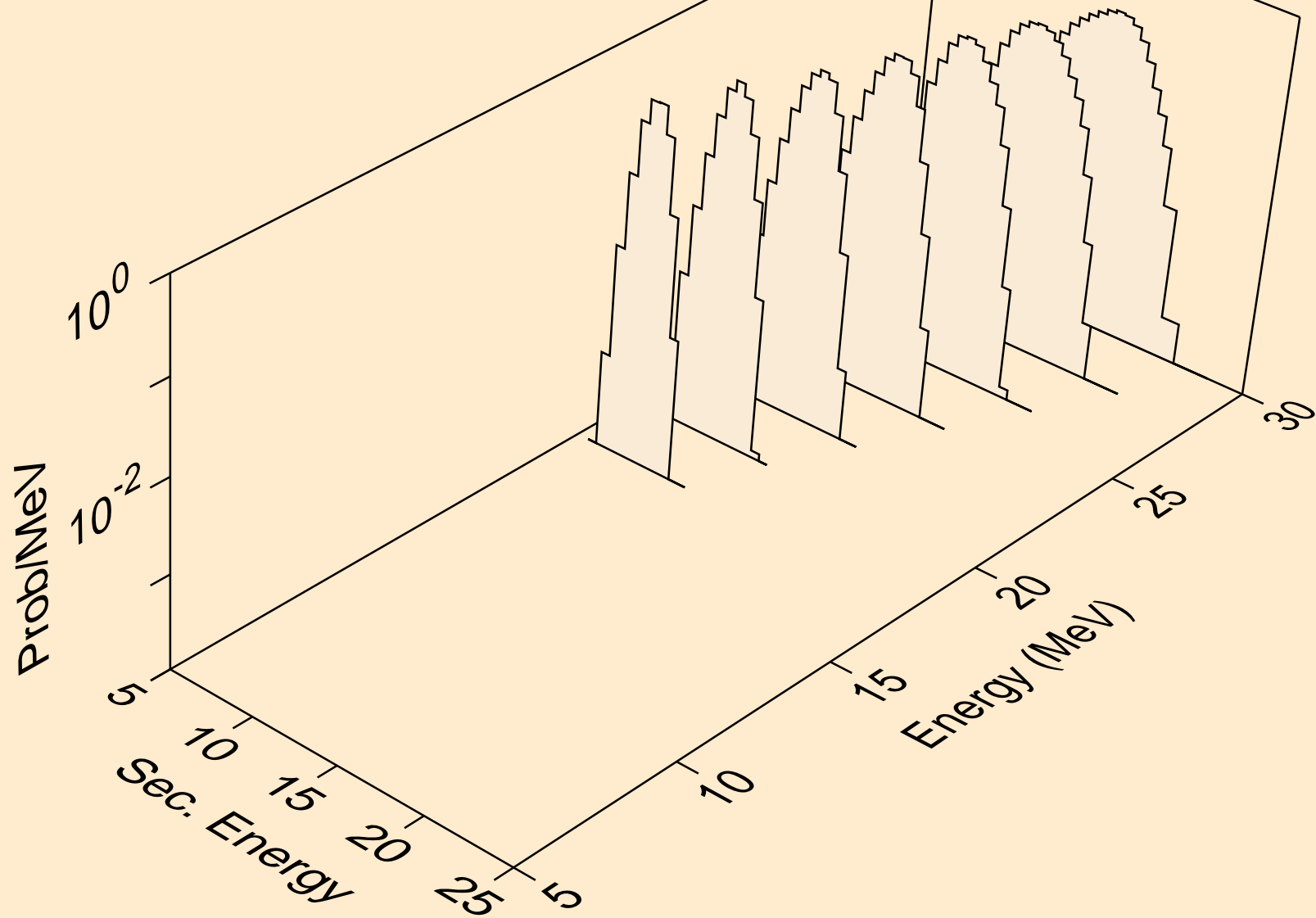
HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Alpha emission for inelastic



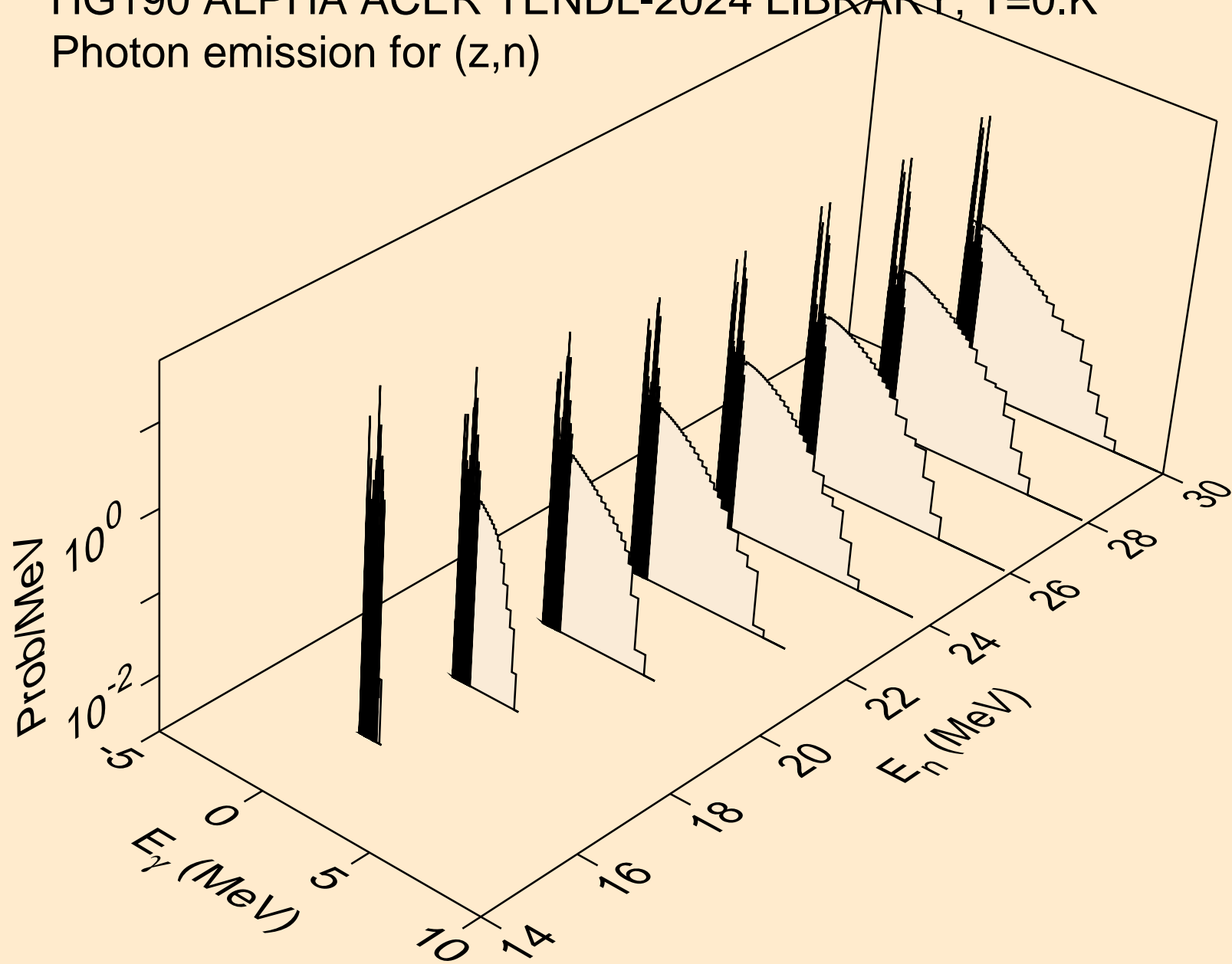
HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Alpha emission for (a,2a)



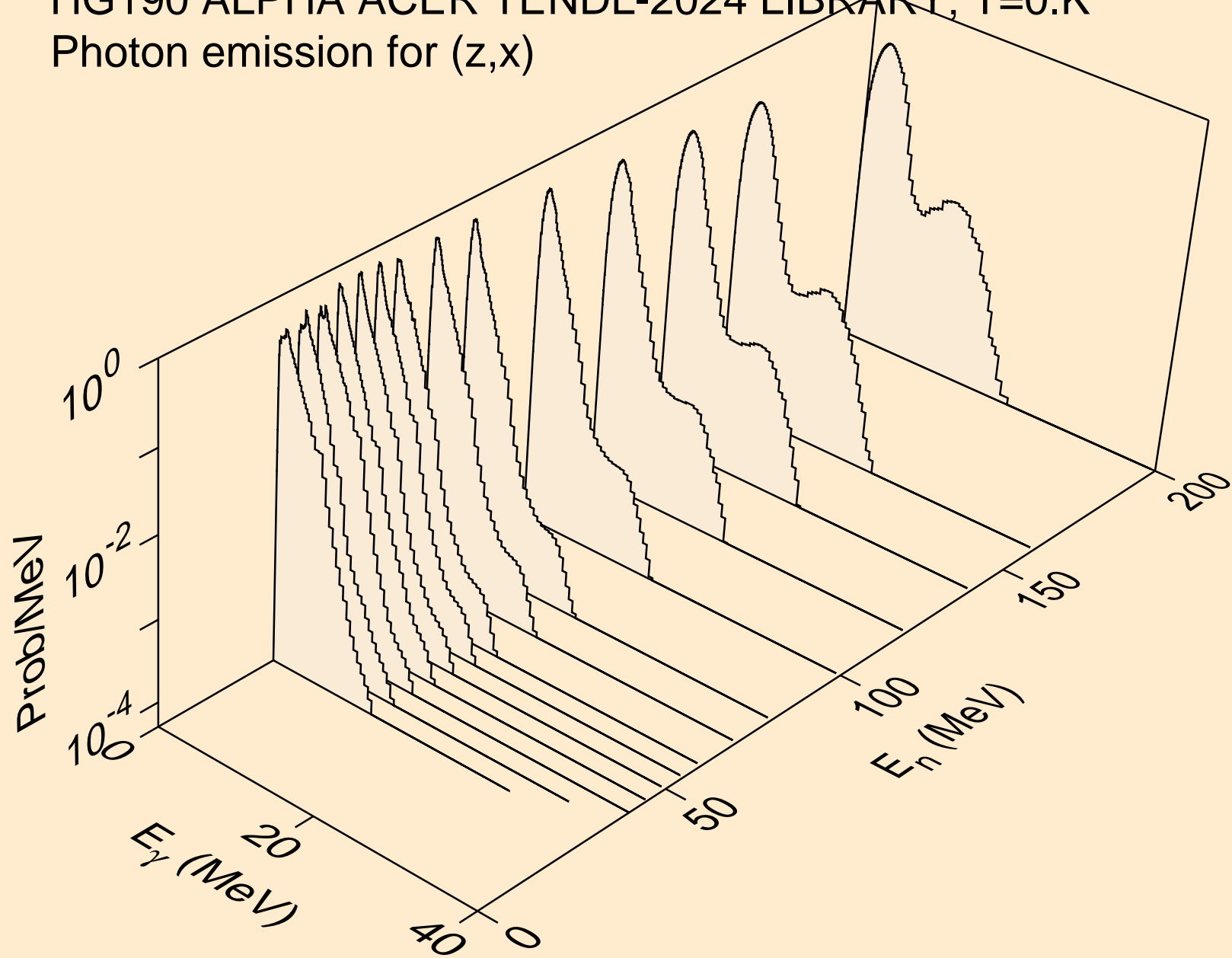
HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Alpha emission for (a,pa)



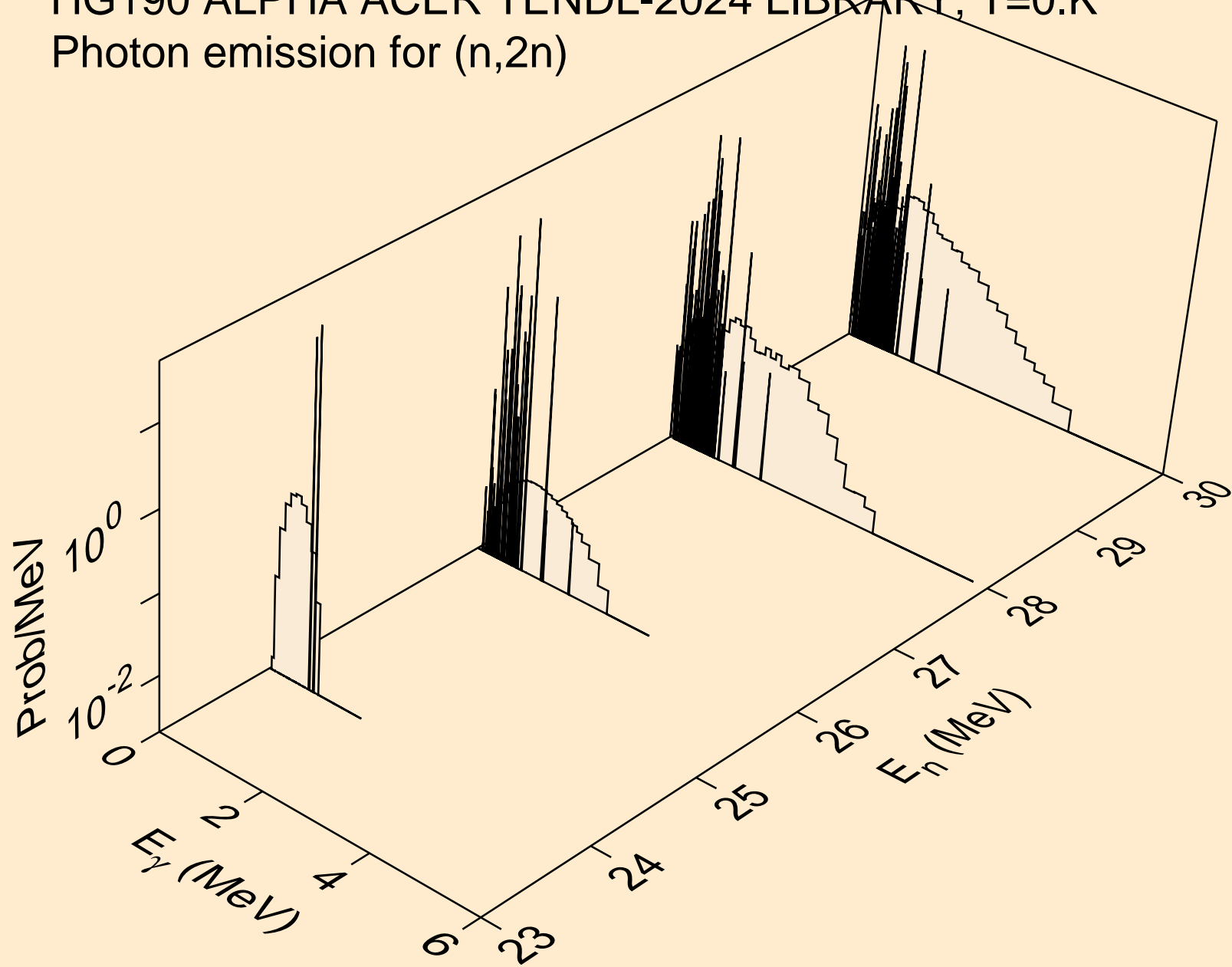
HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,n)



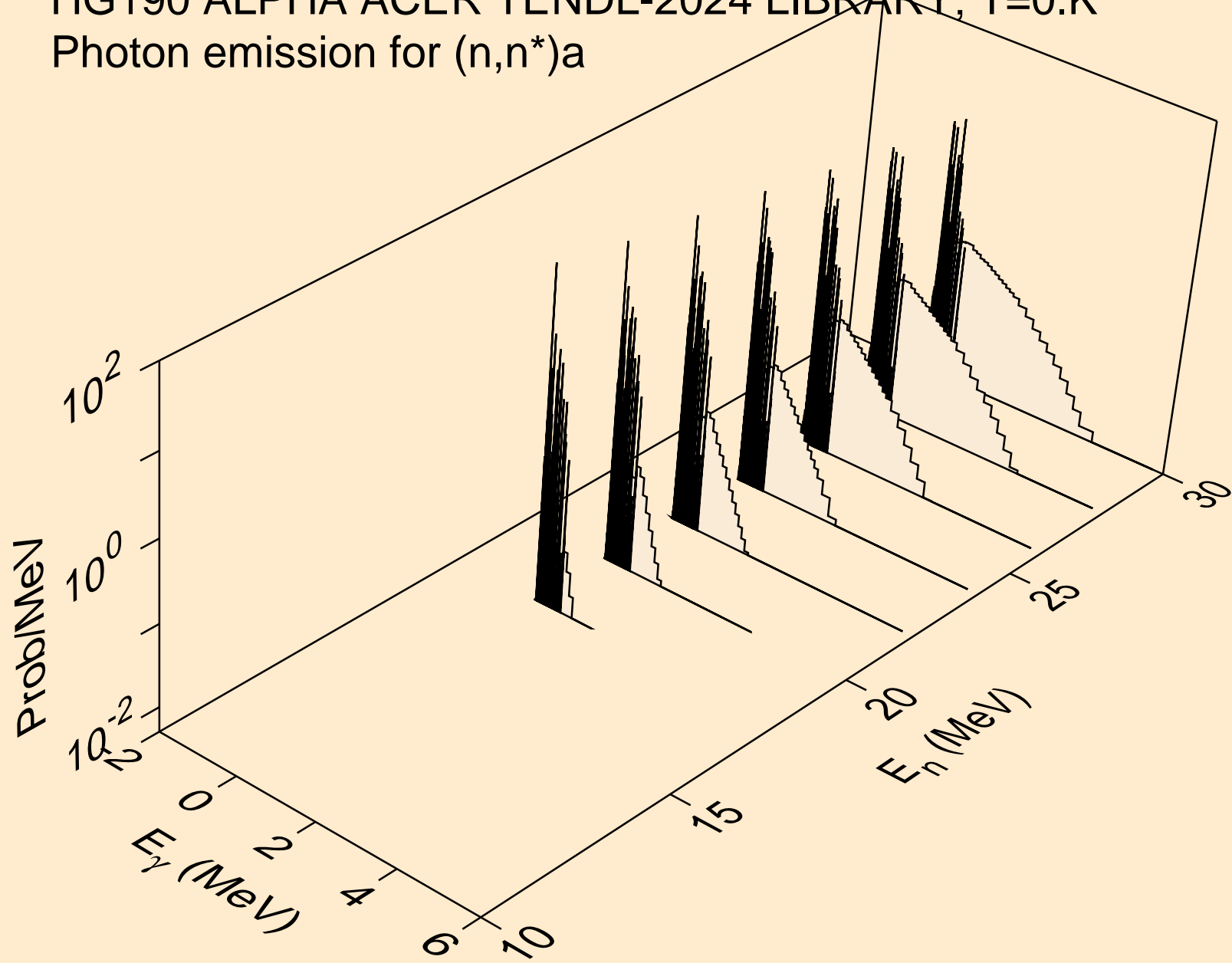
HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,x)



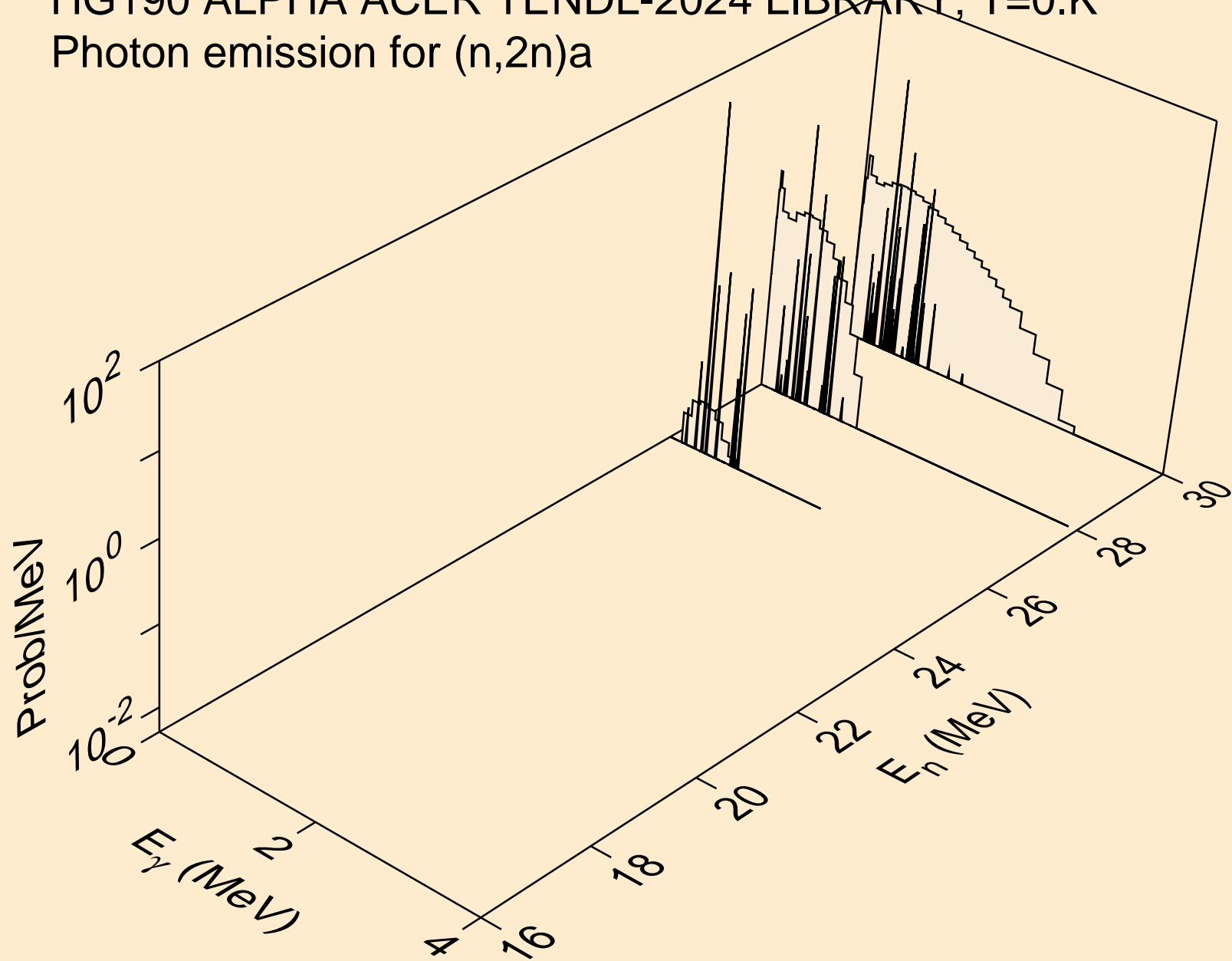
HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



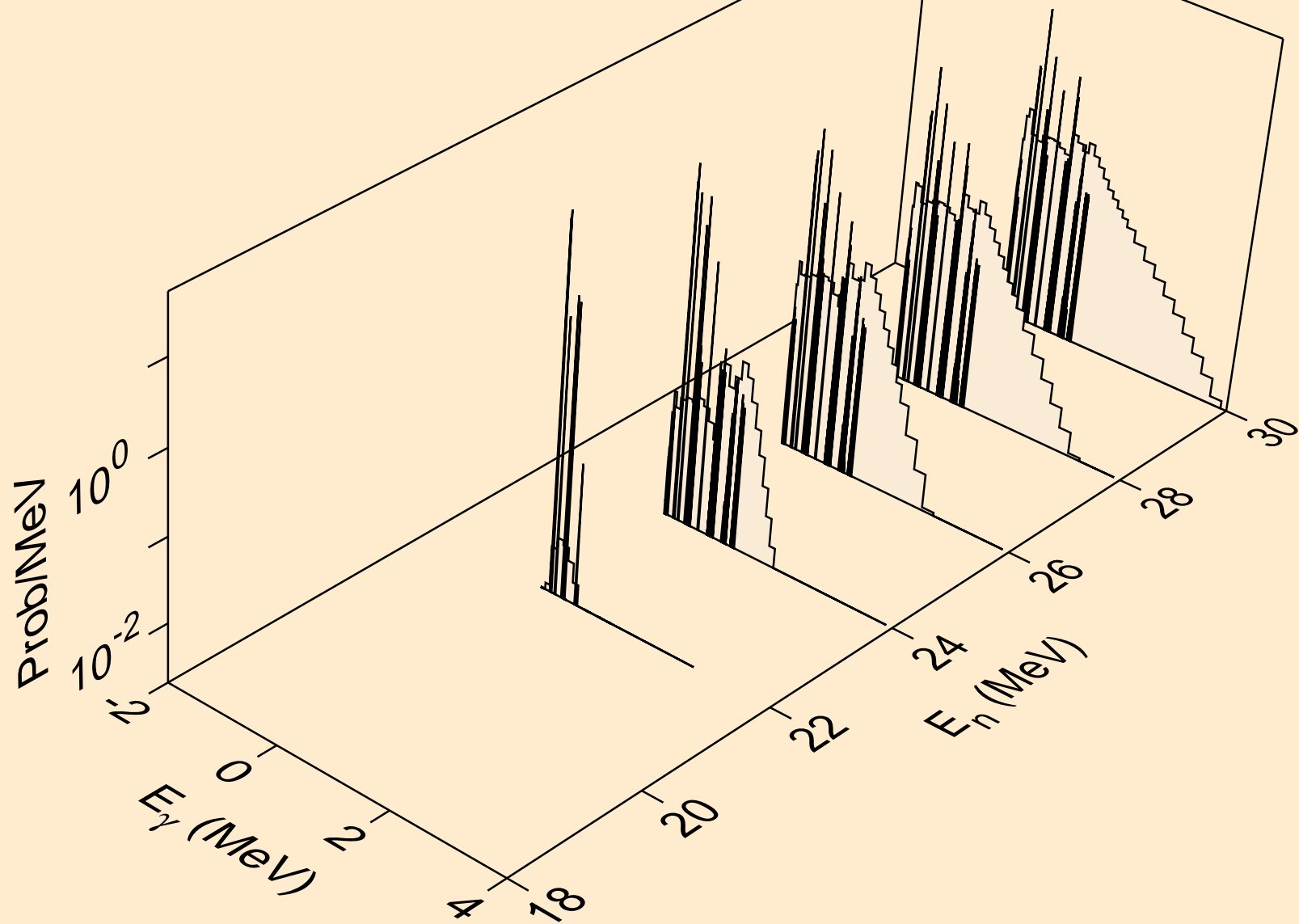
HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



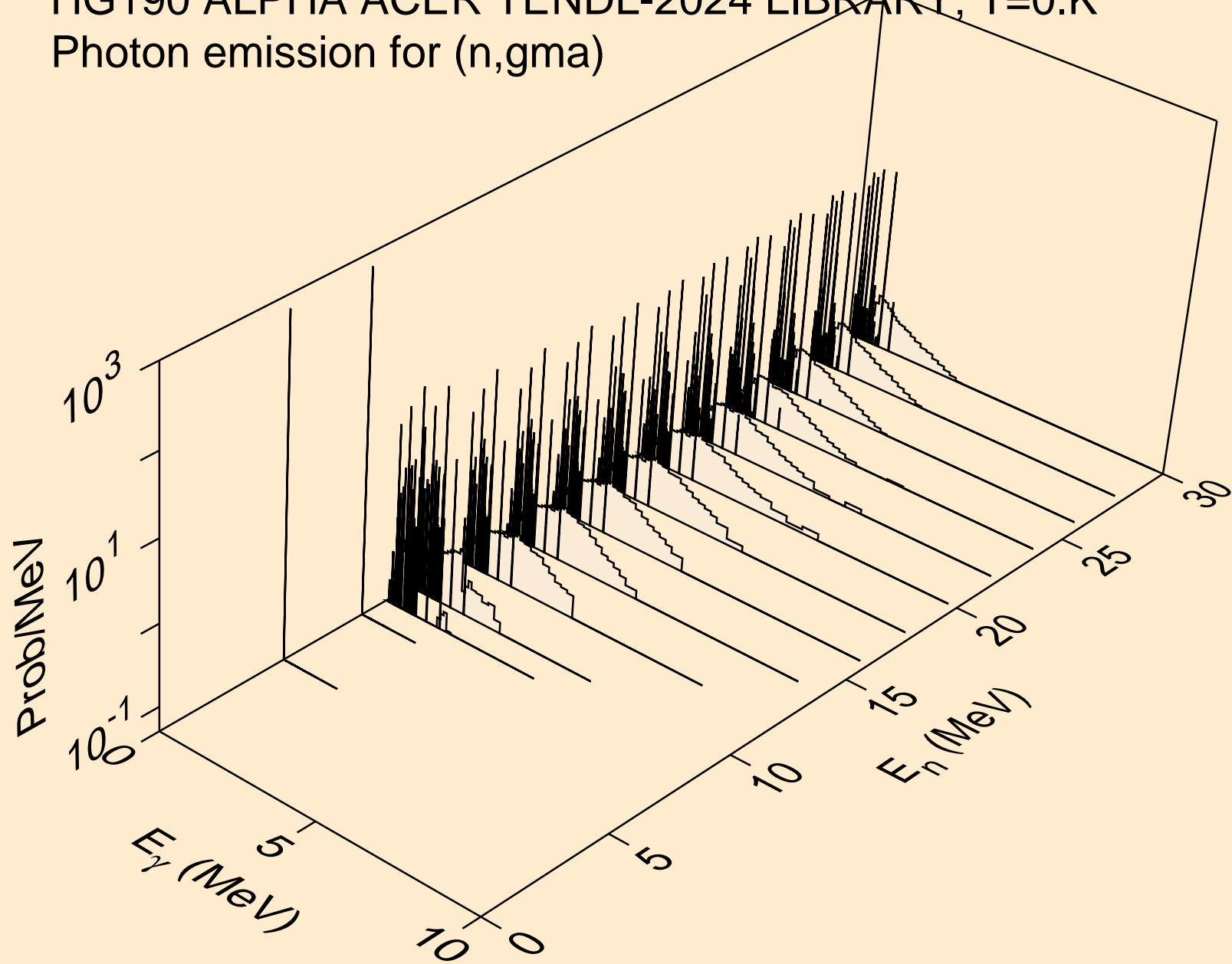
HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



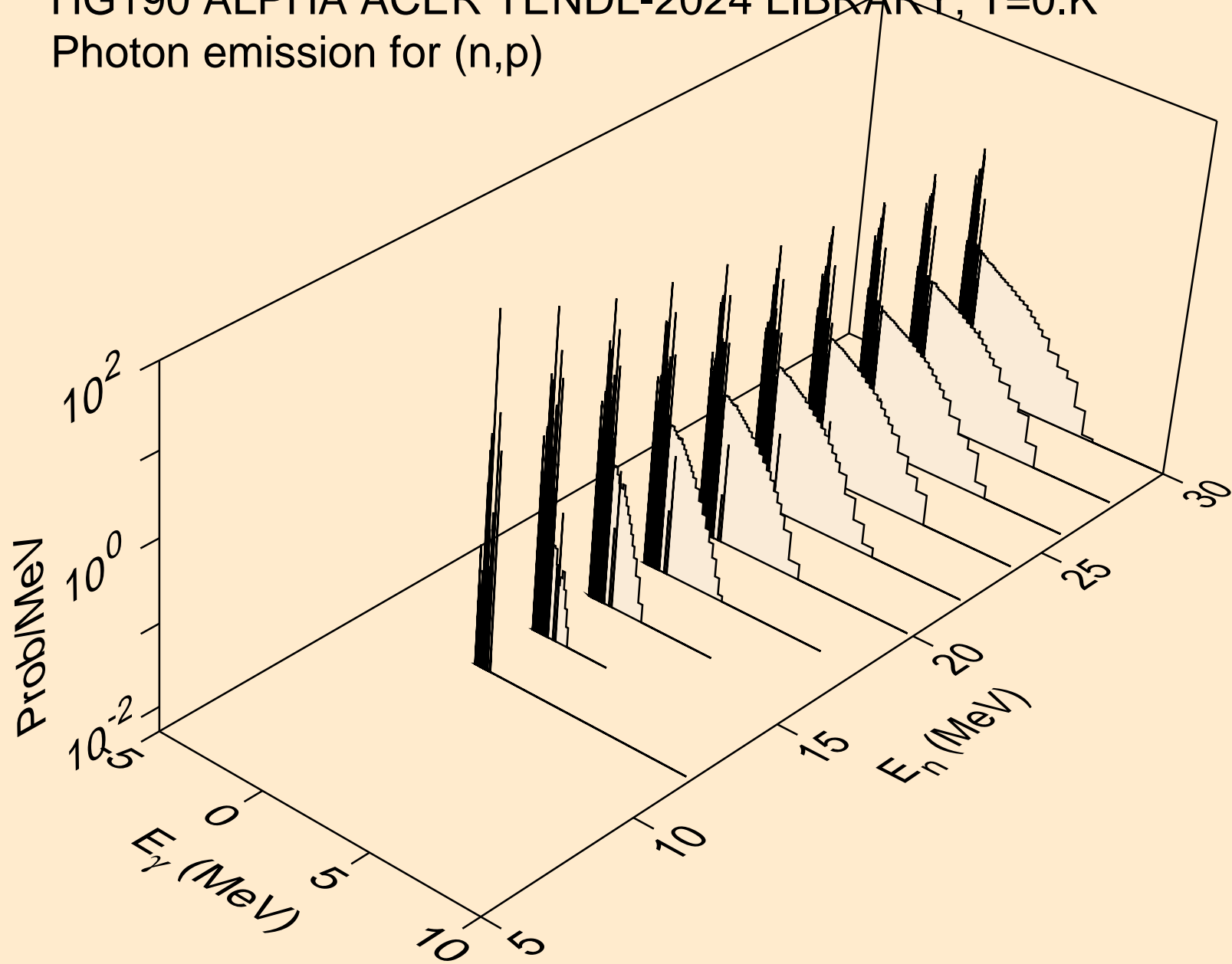
HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



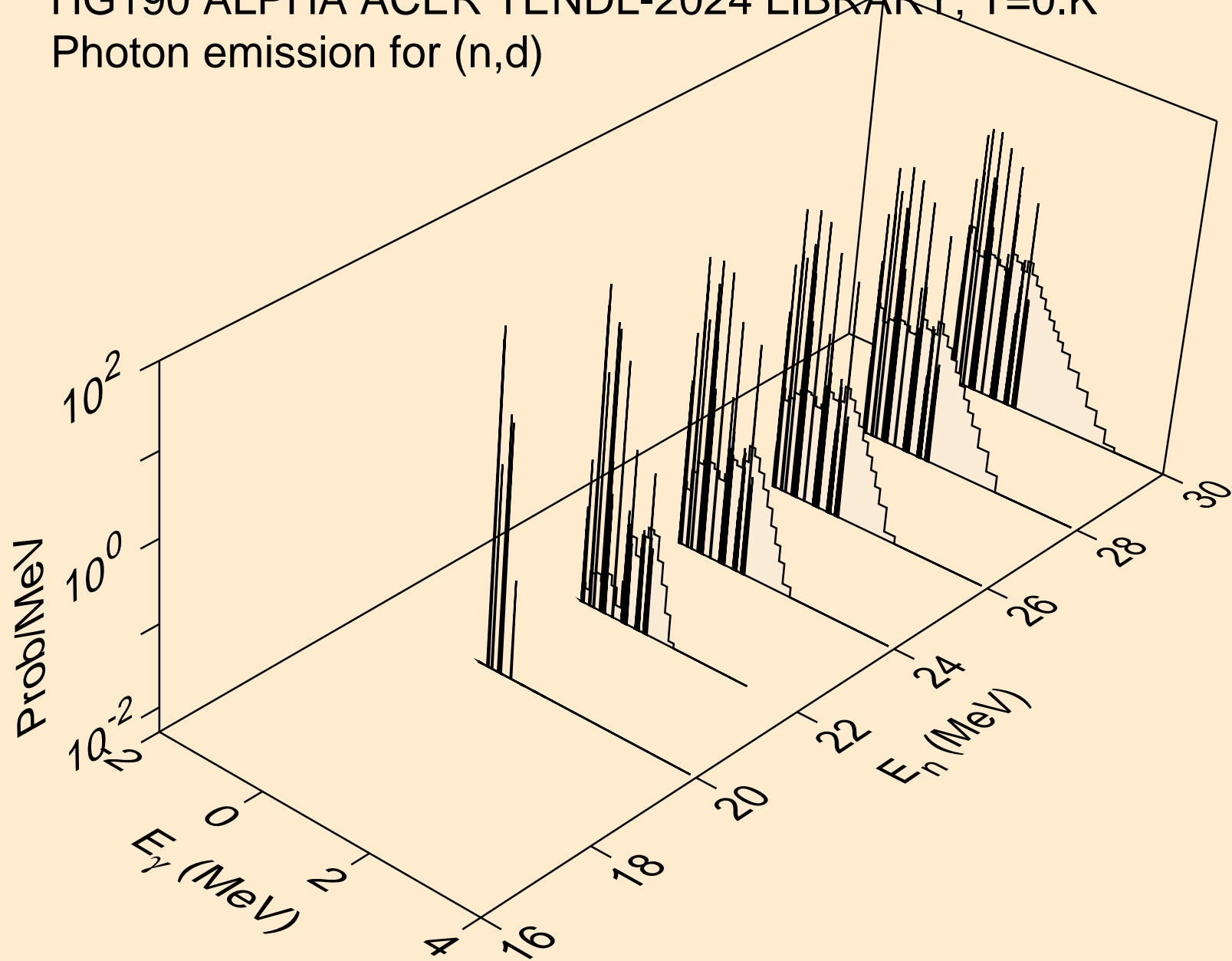
HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



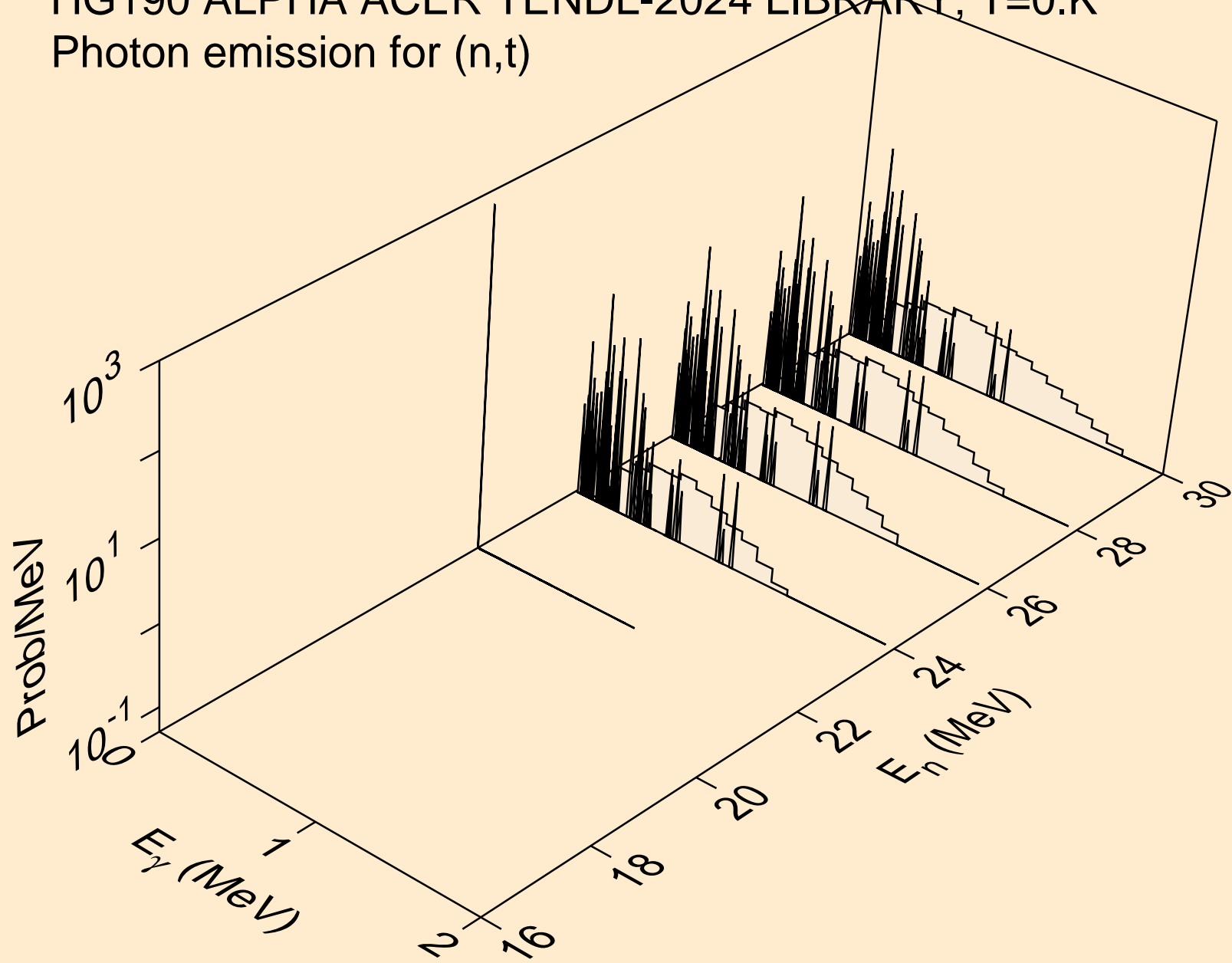
HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



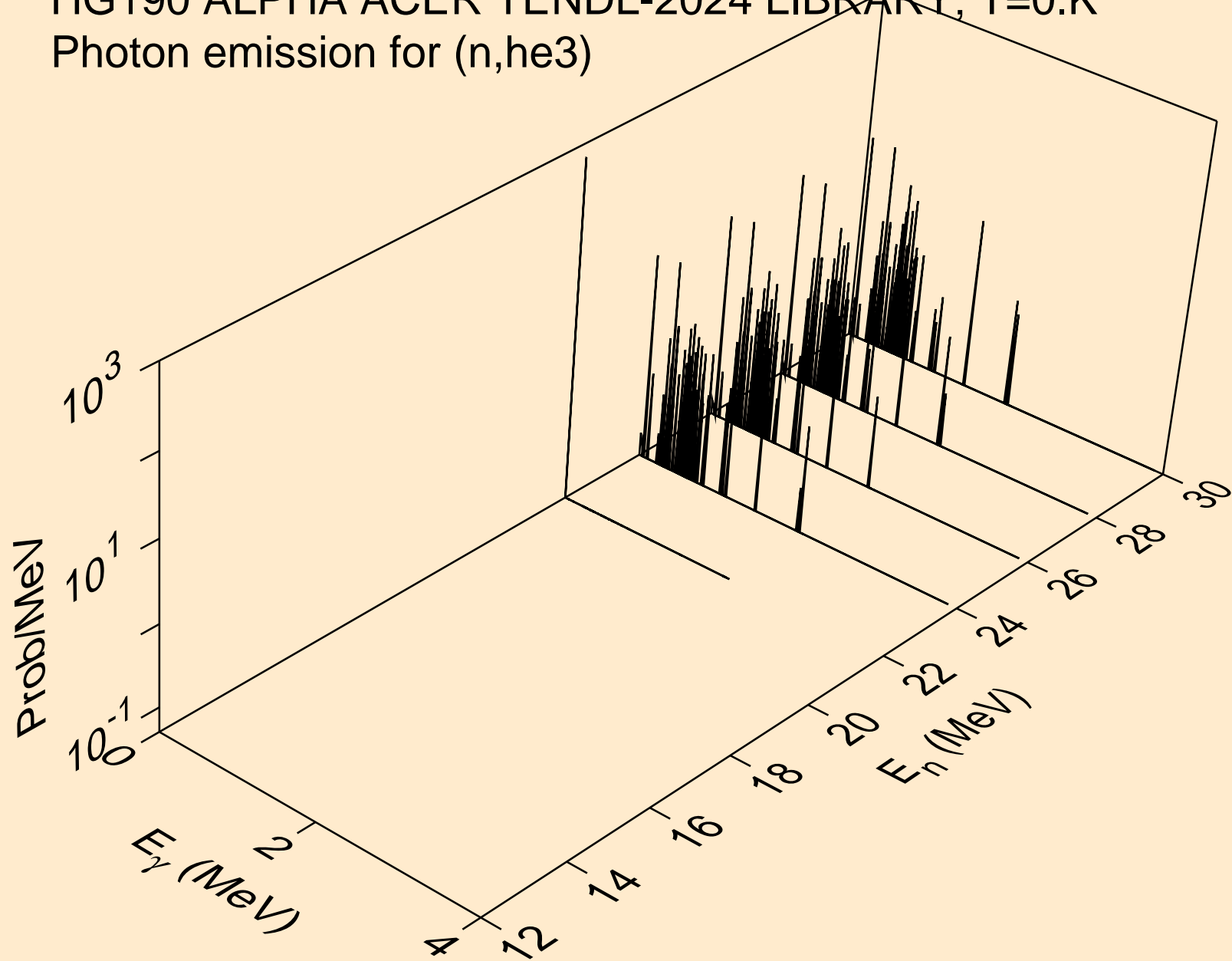
HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



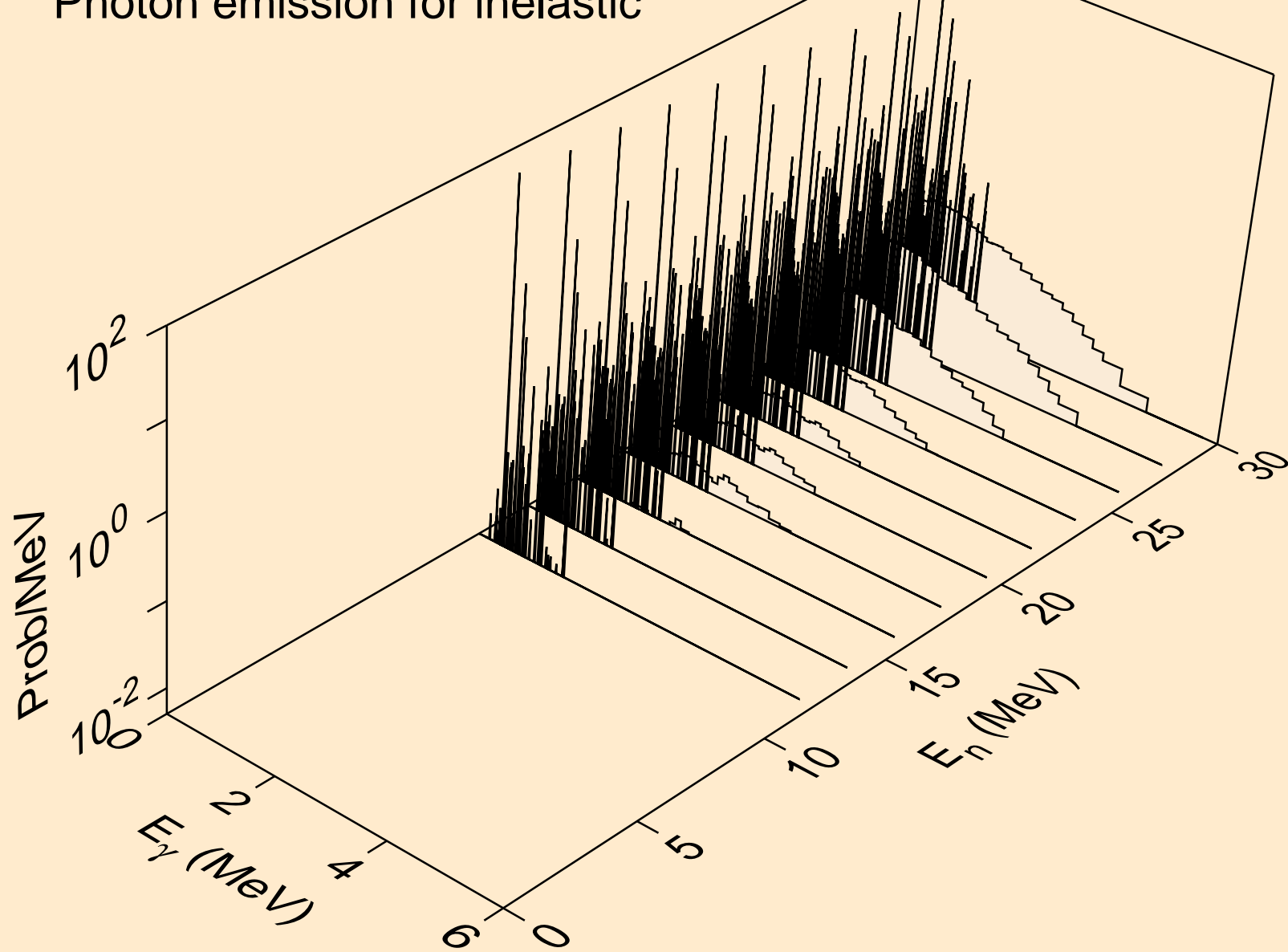
HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



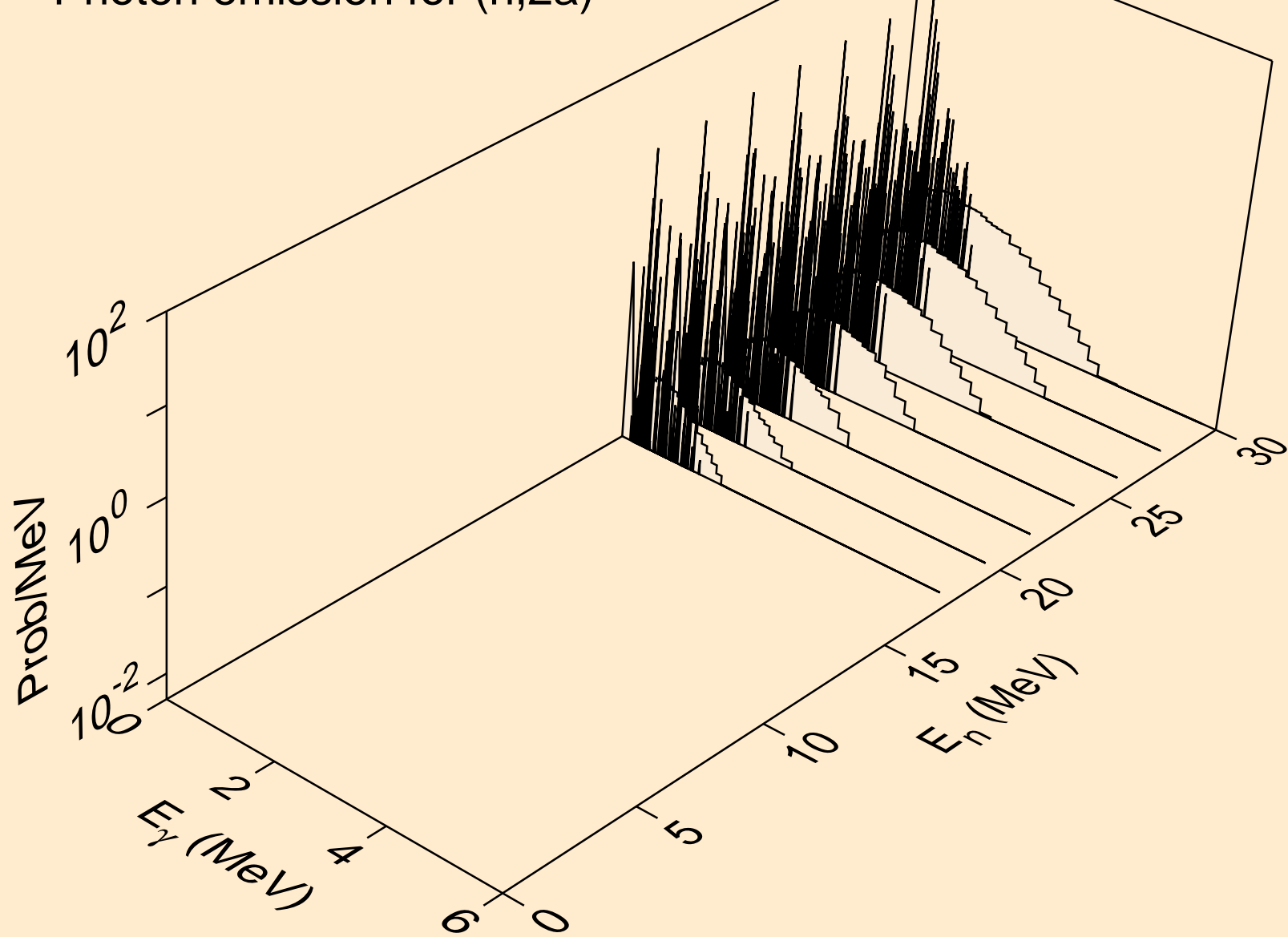
HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



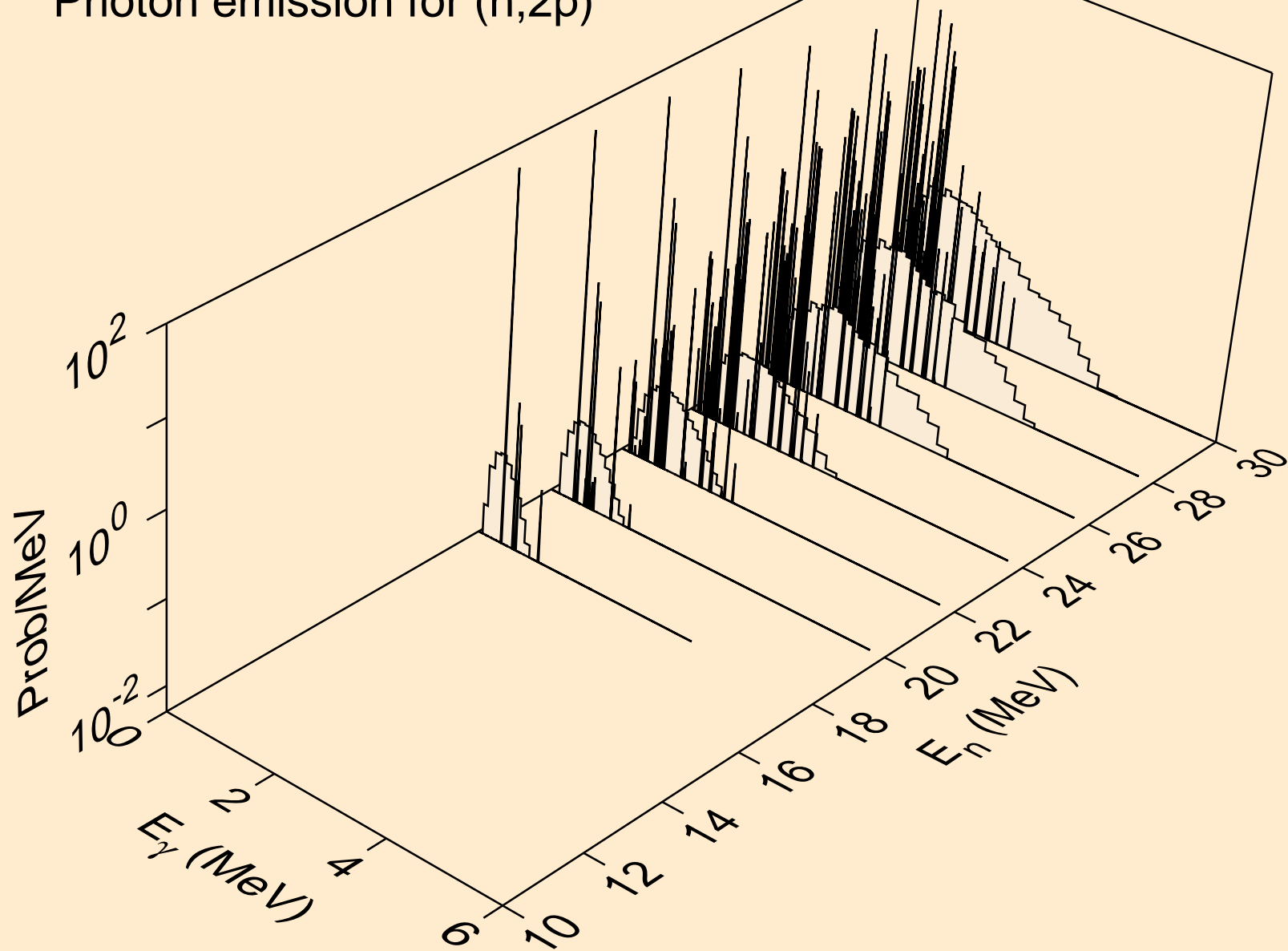
HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for inelastic



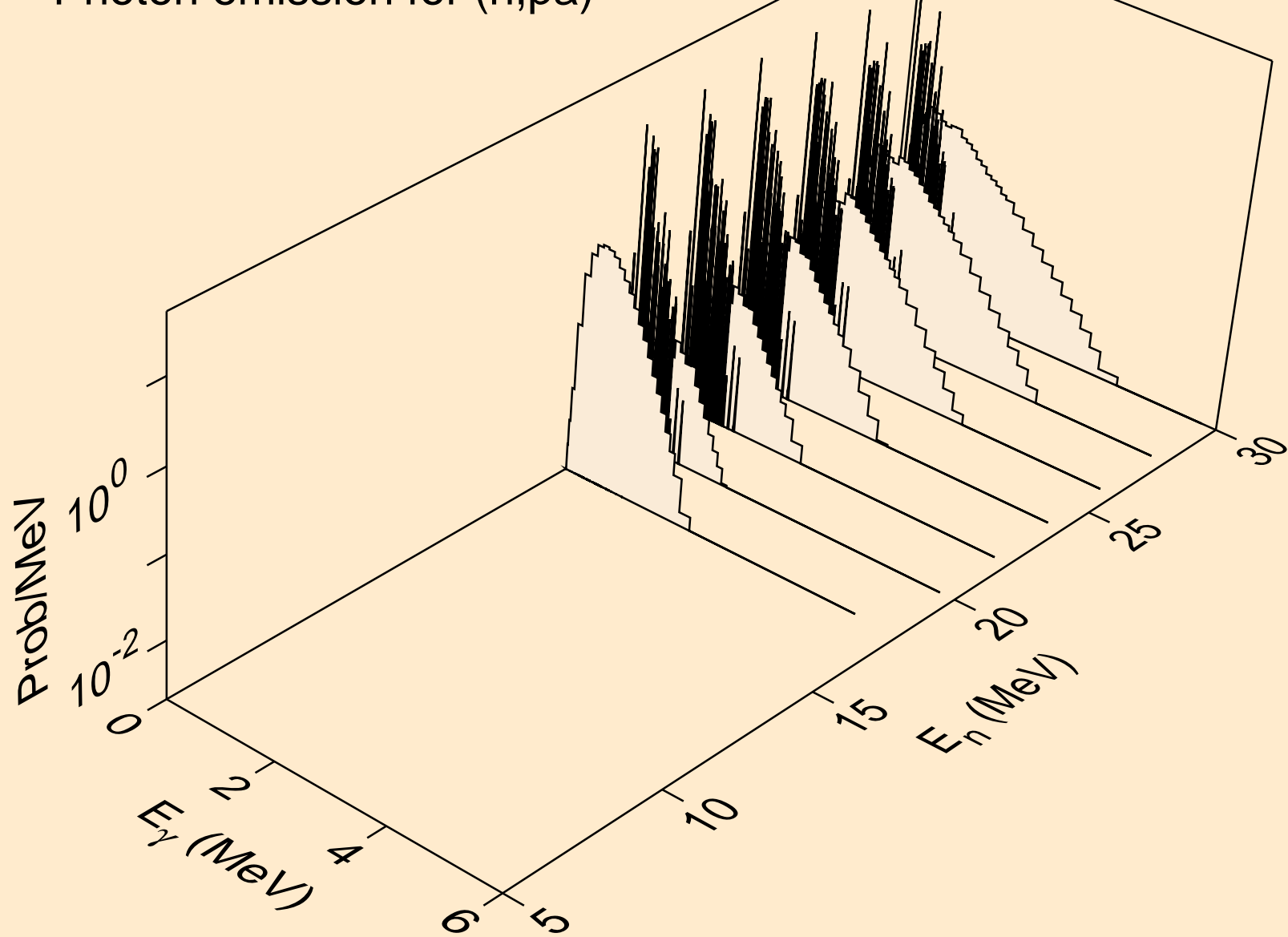
HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)



HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)

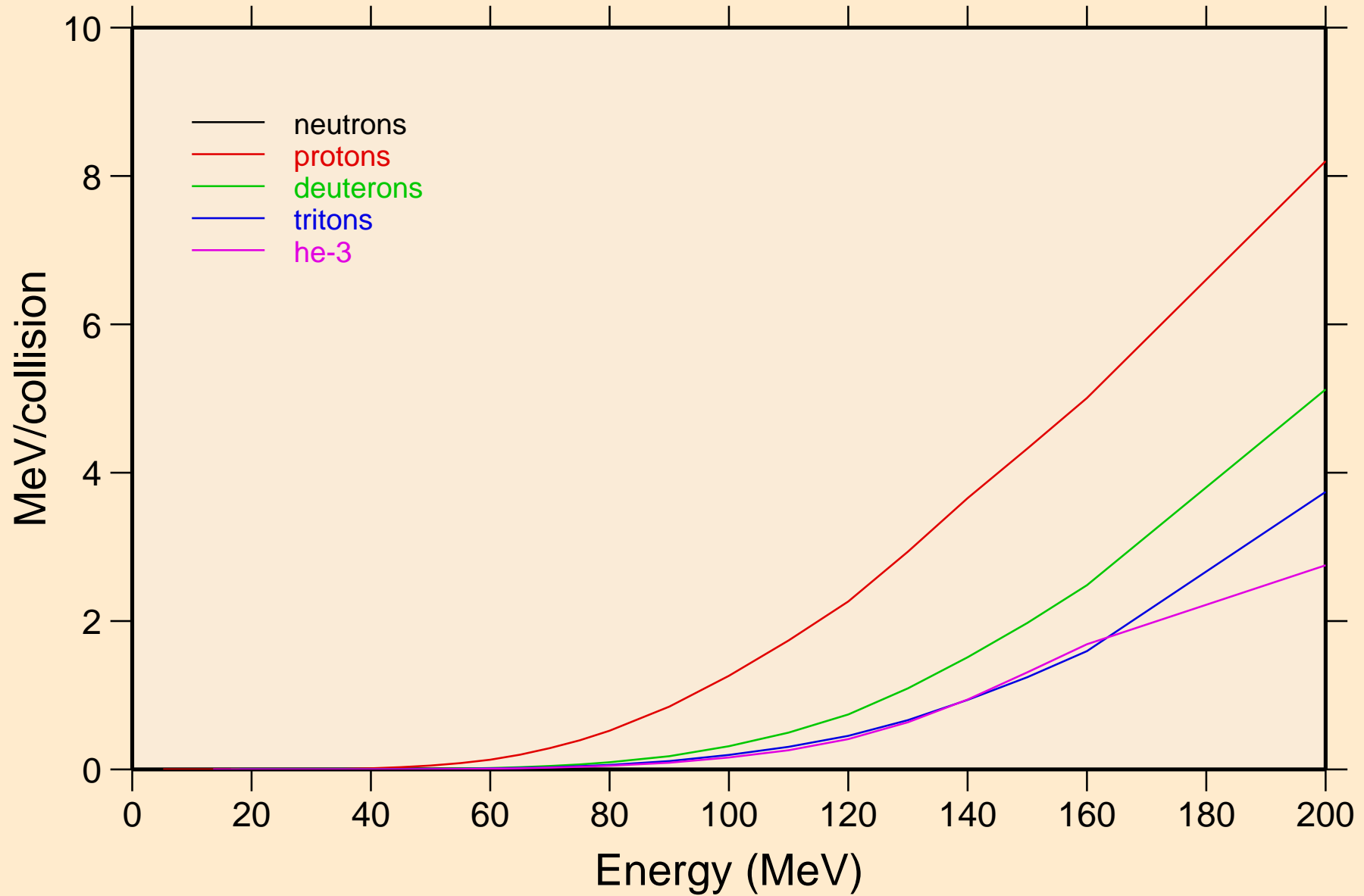


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Photon emission for (n,pa)

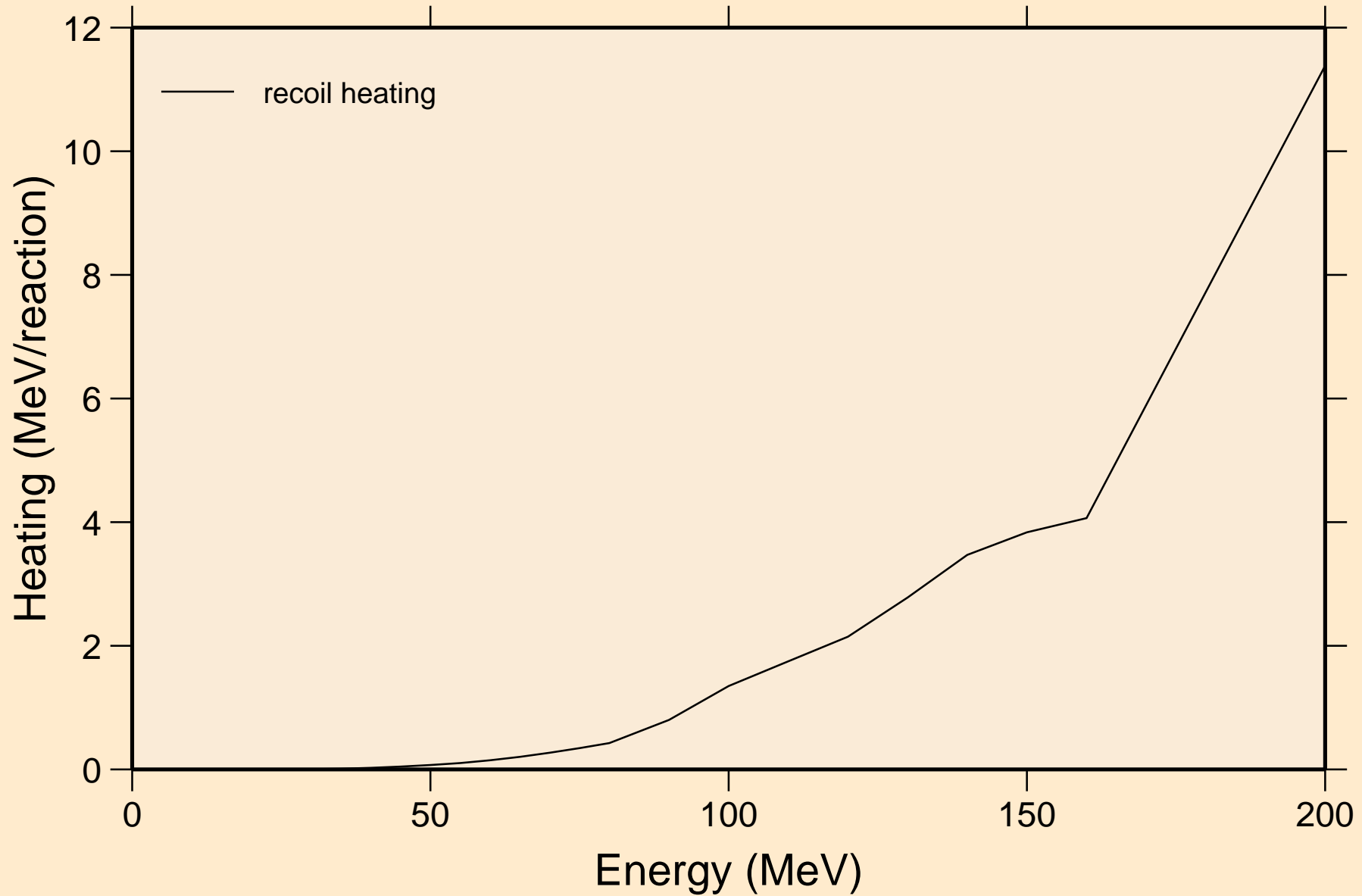


# HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

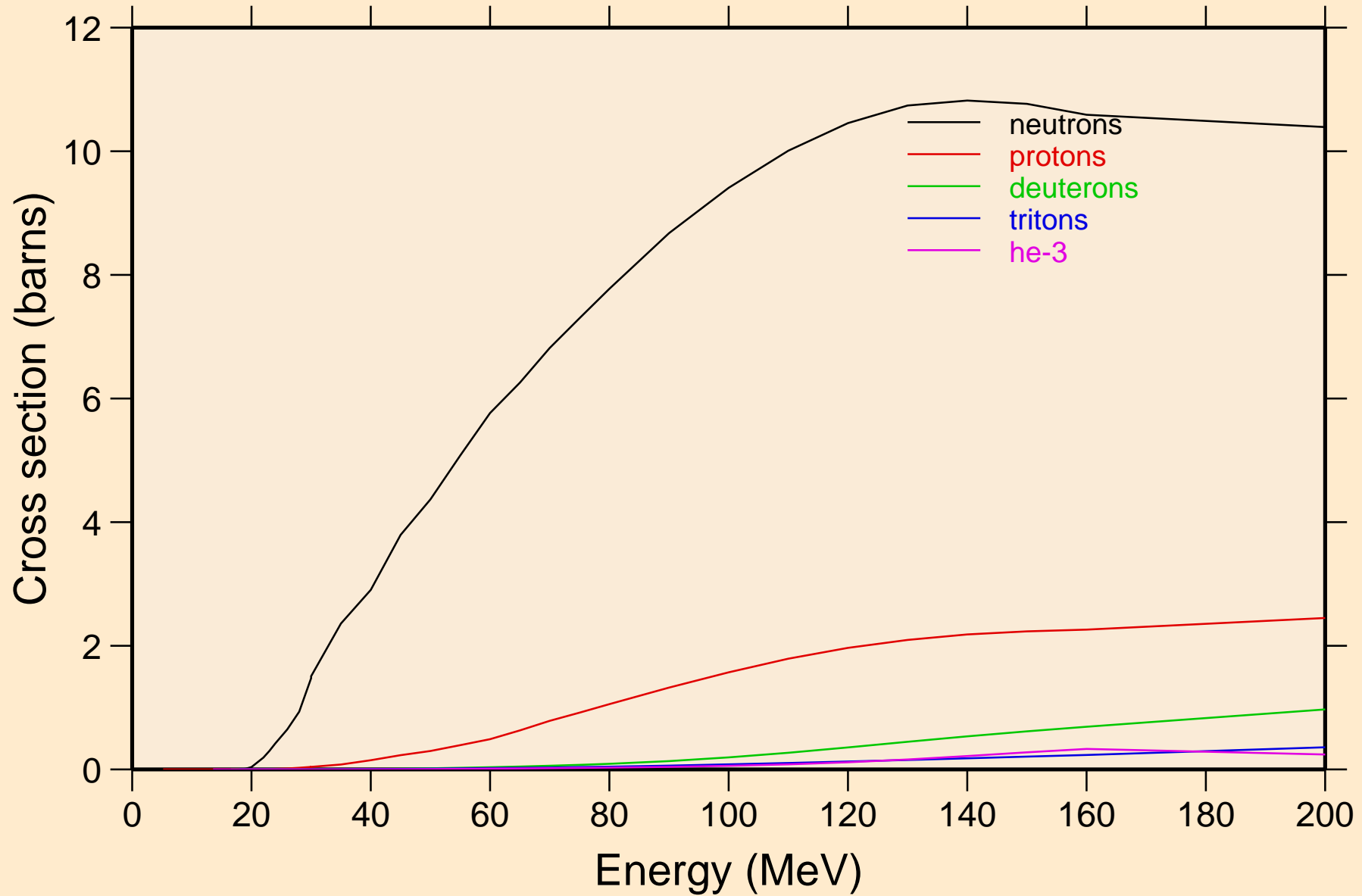
## Particle heating contributions



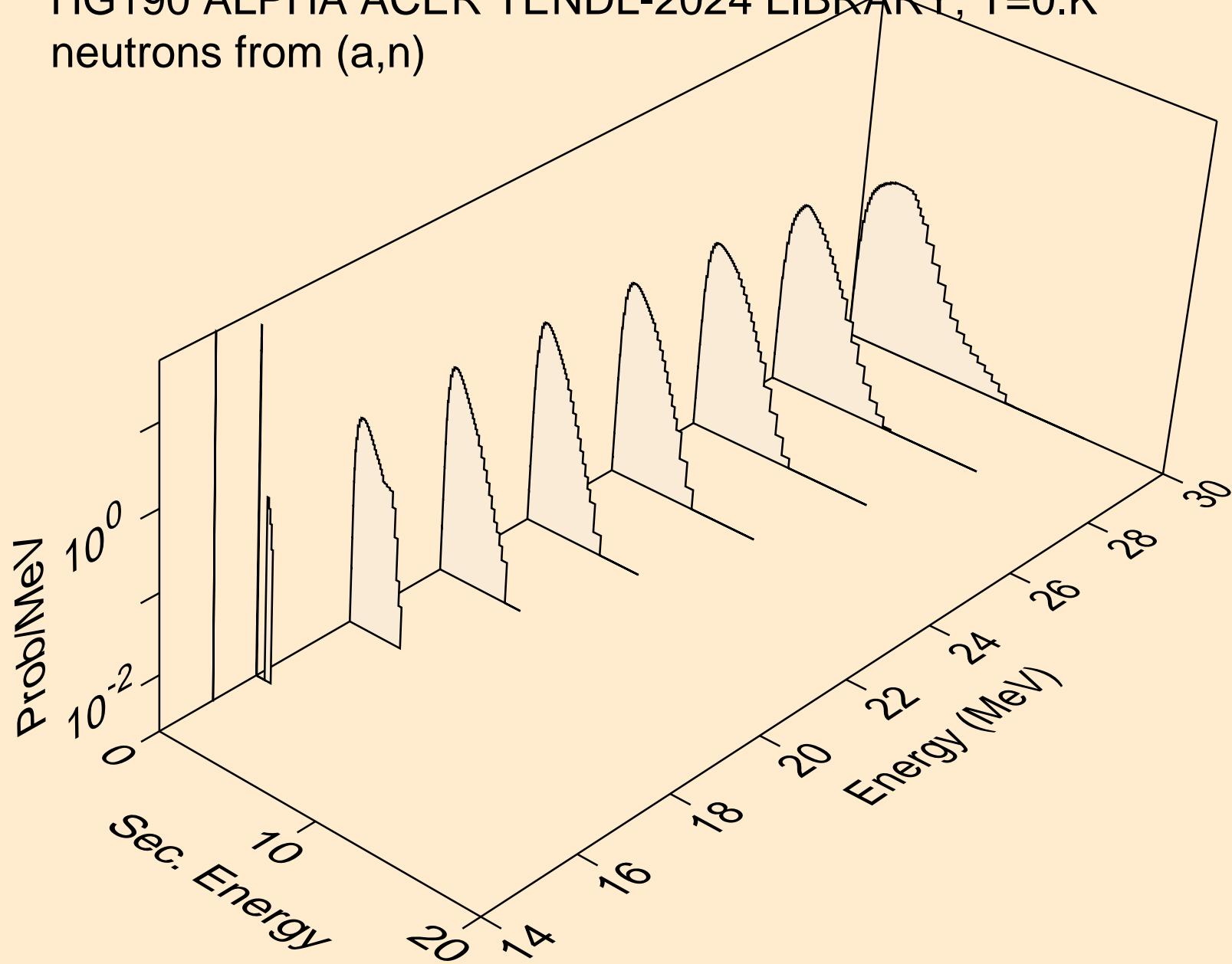
HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating



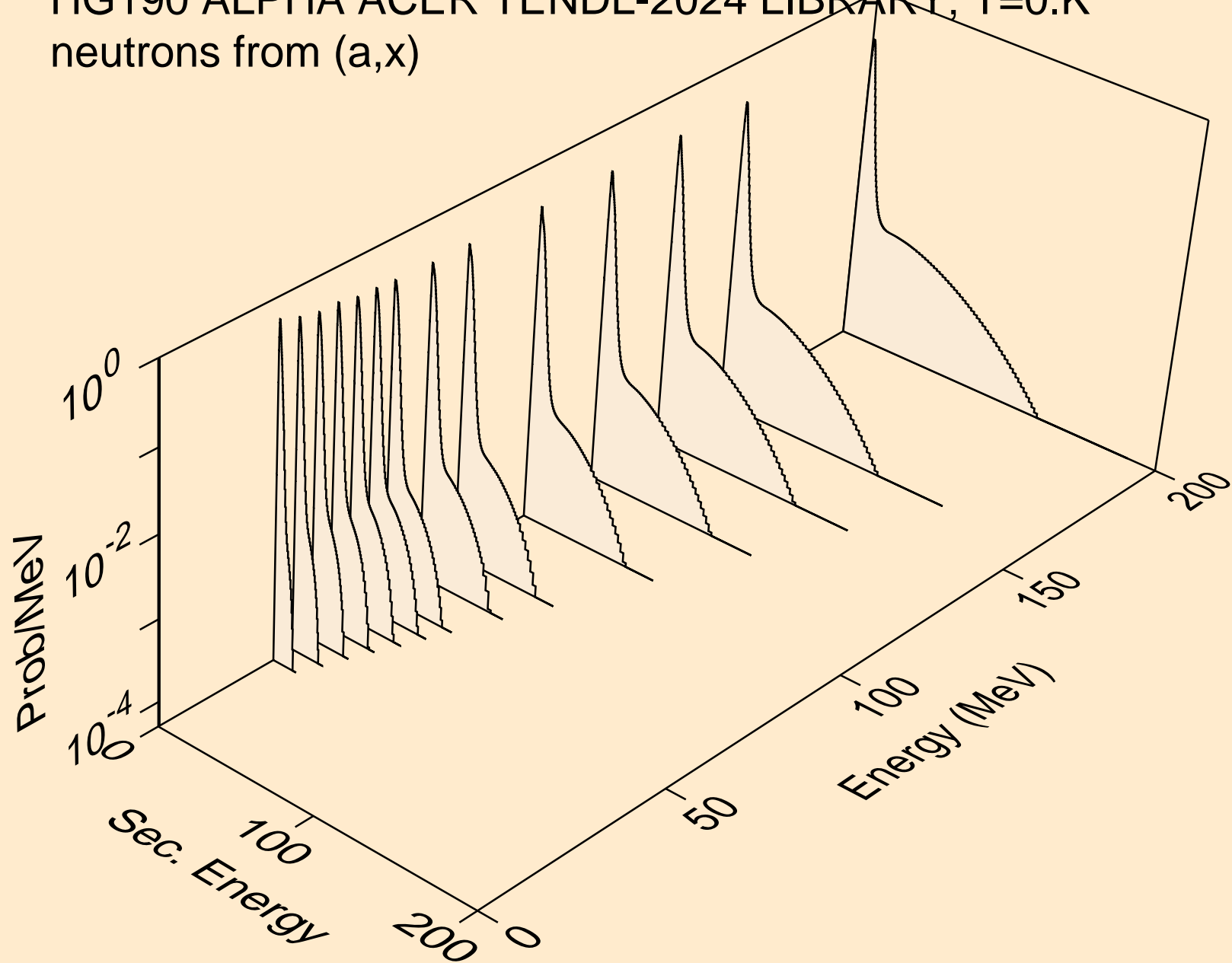
HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Particle production cross sections



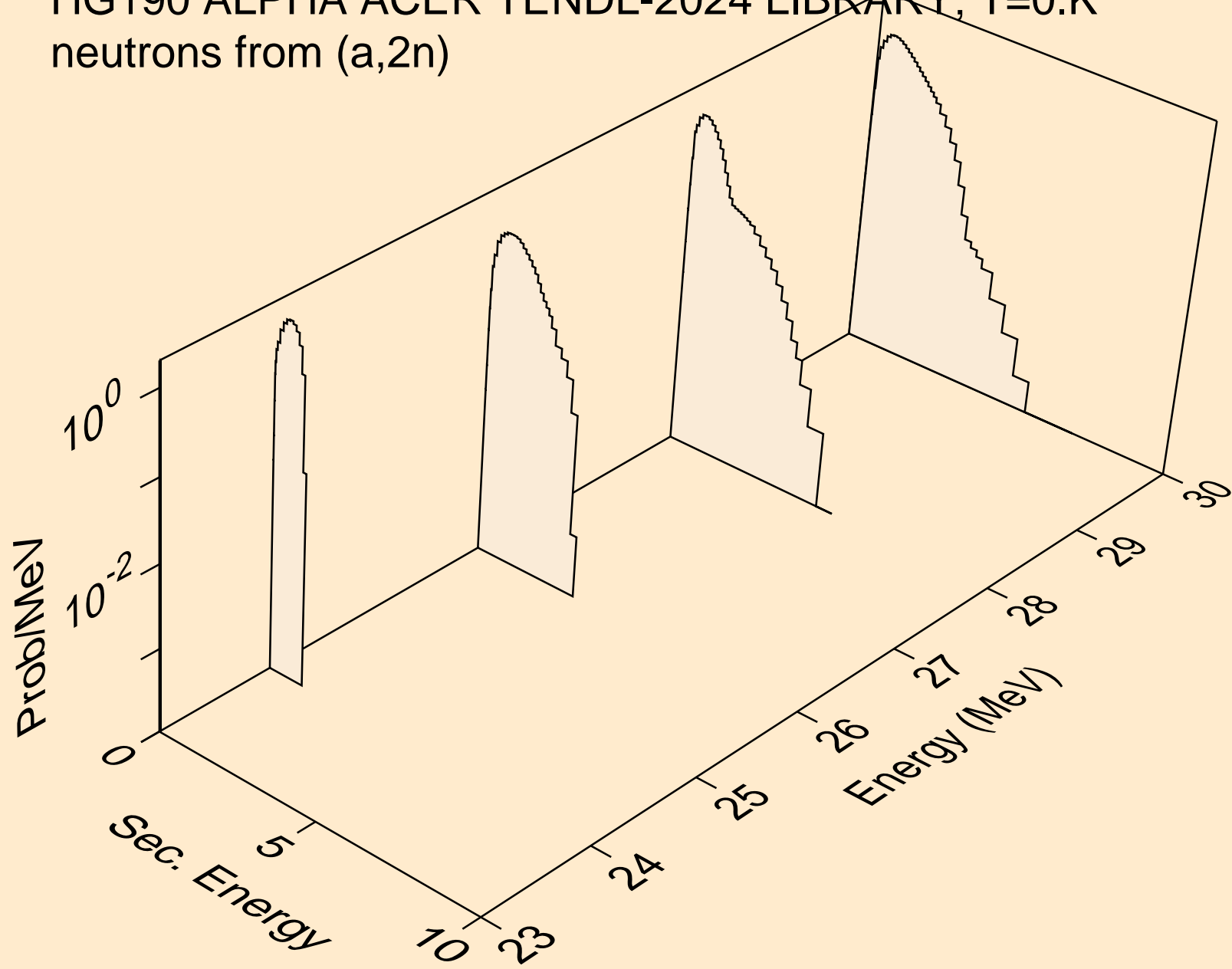
HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n)



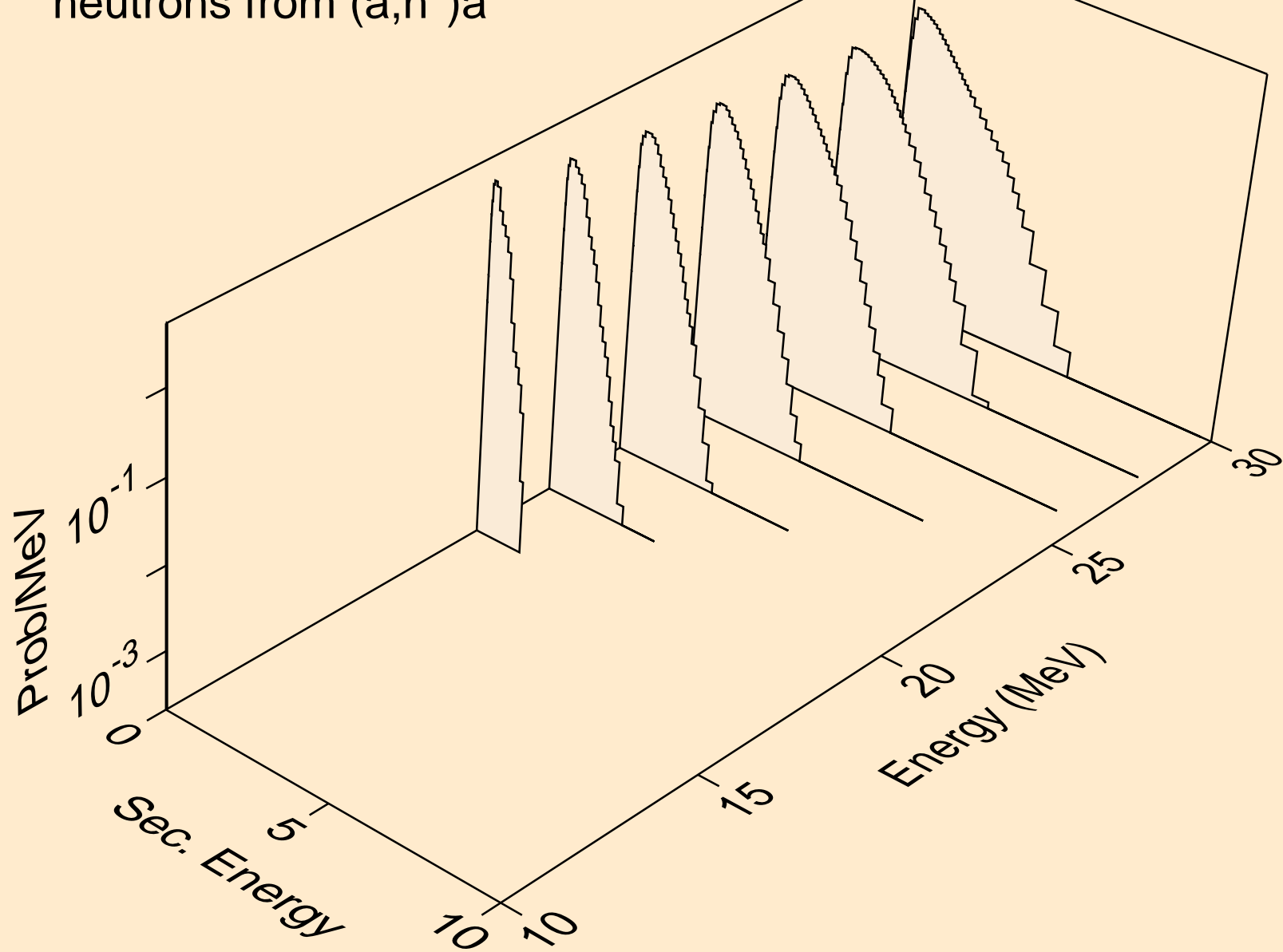
HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,x)



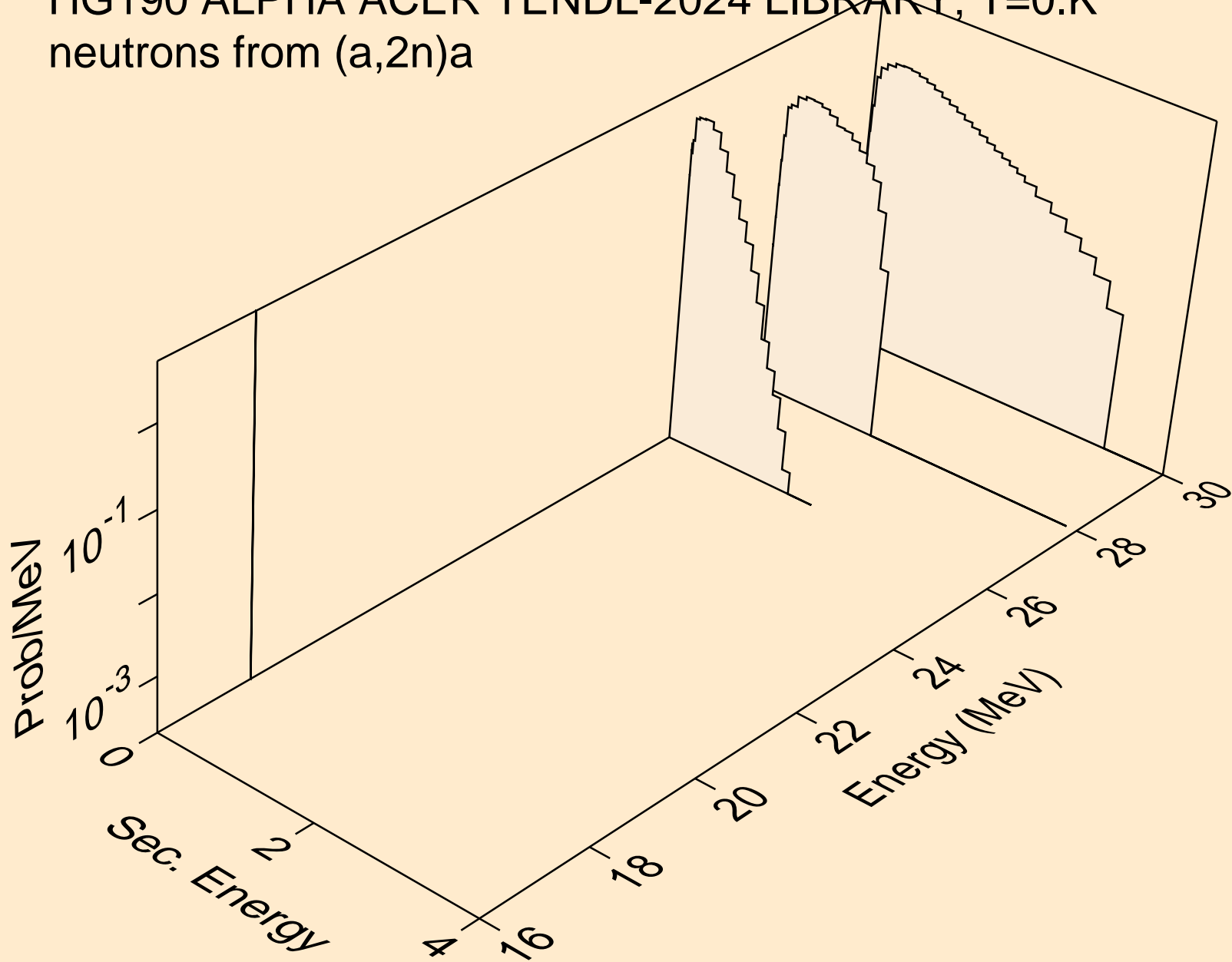
HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,2n)



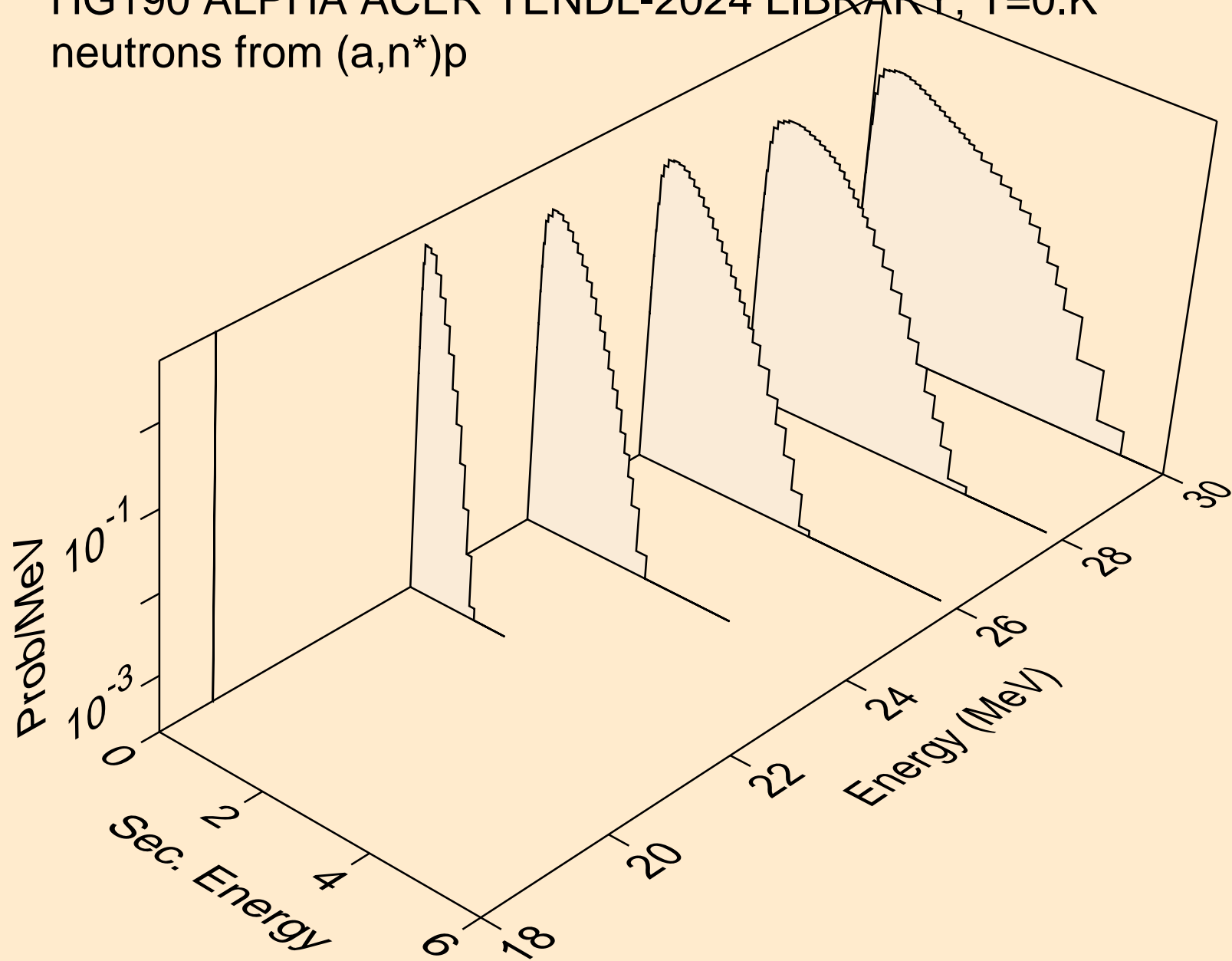
HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n\*)a



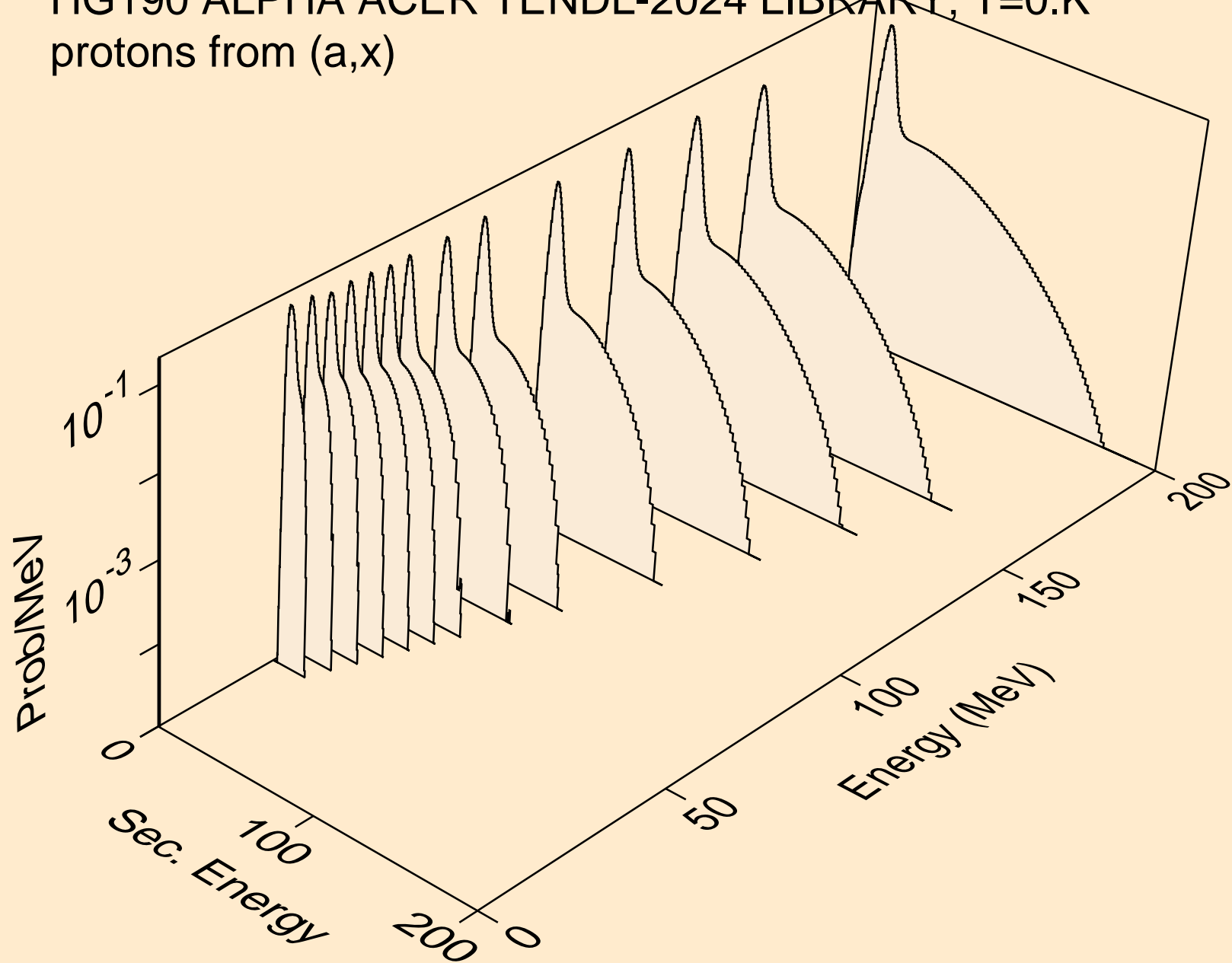
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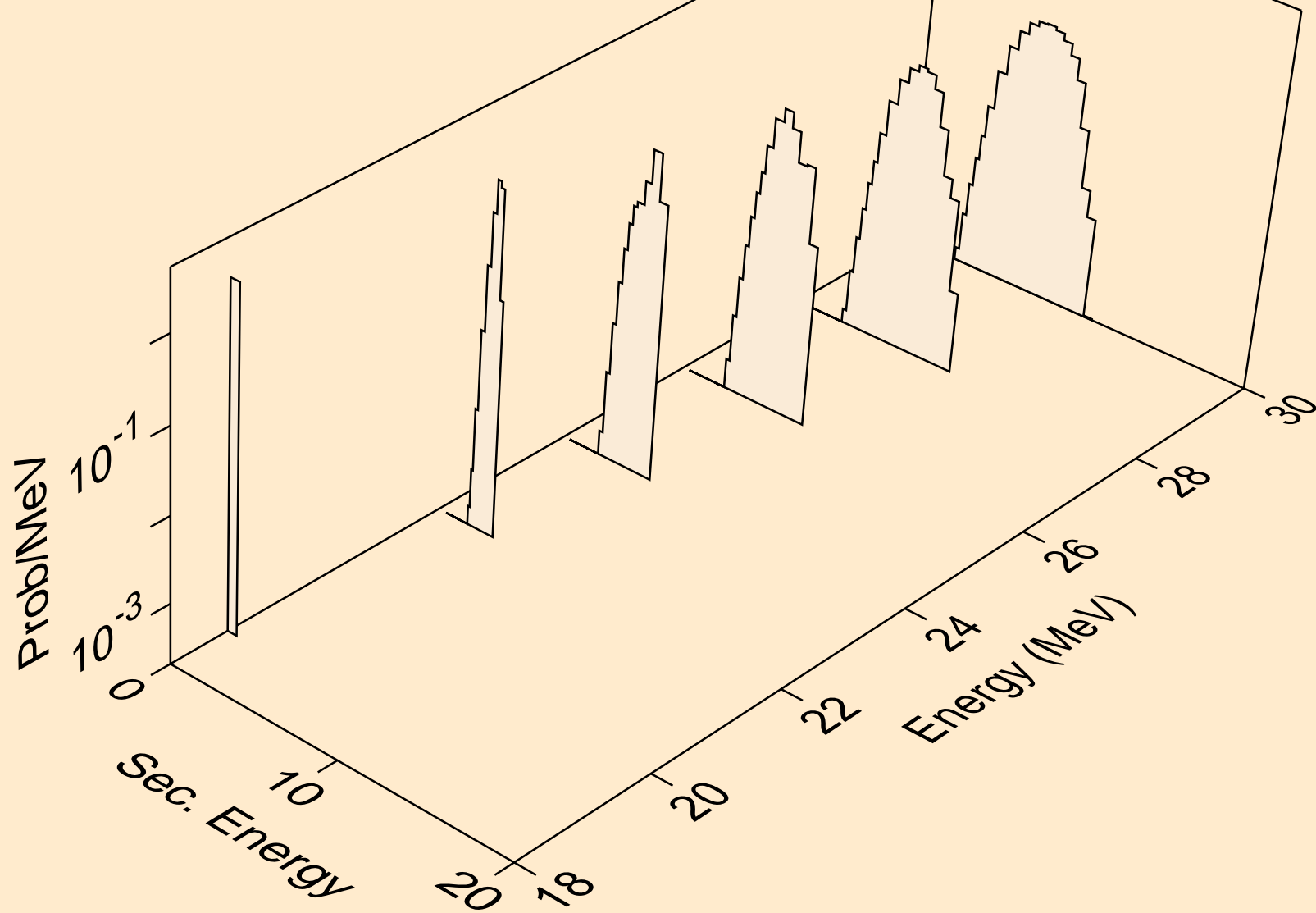
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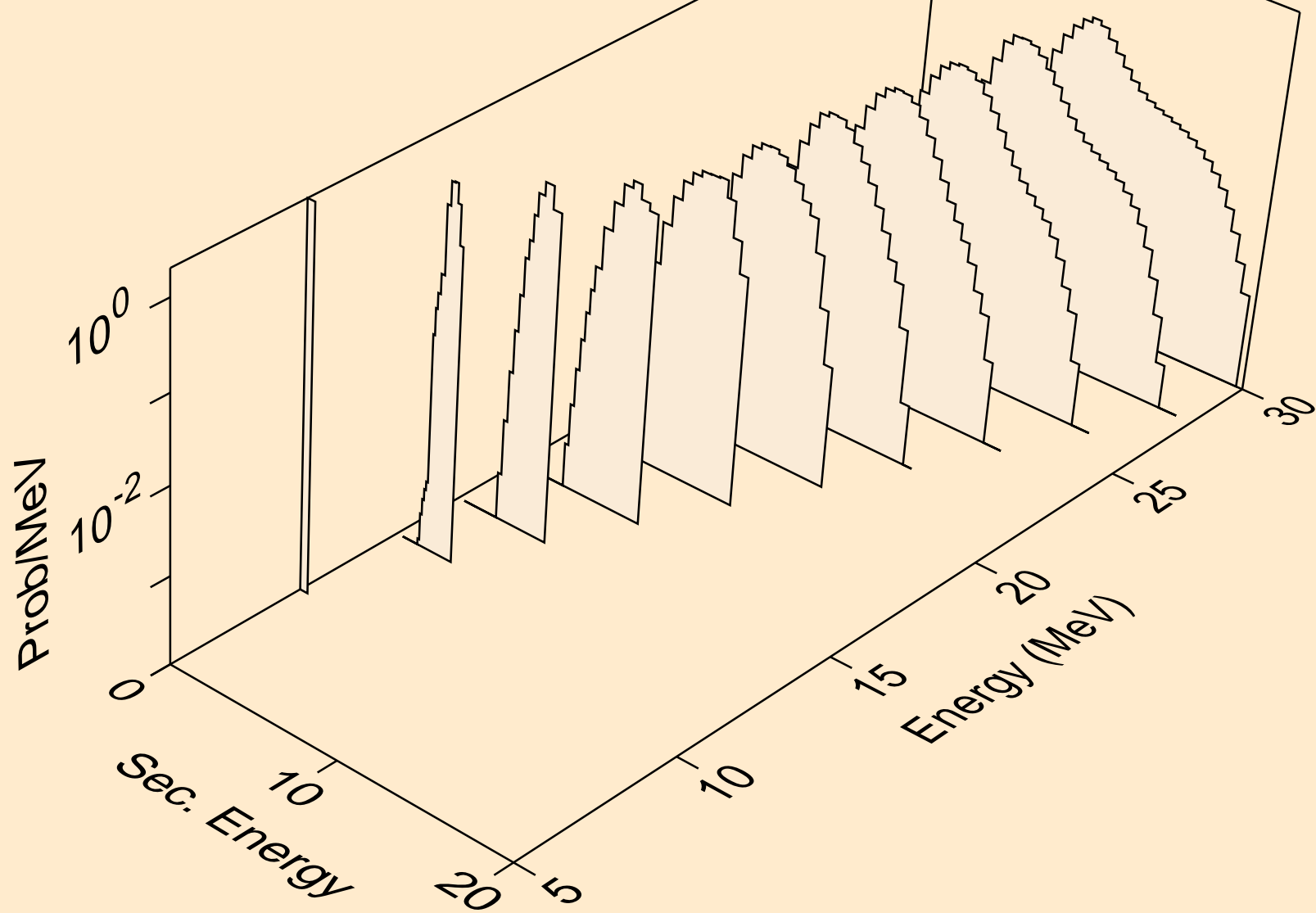
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protons from (a,x)



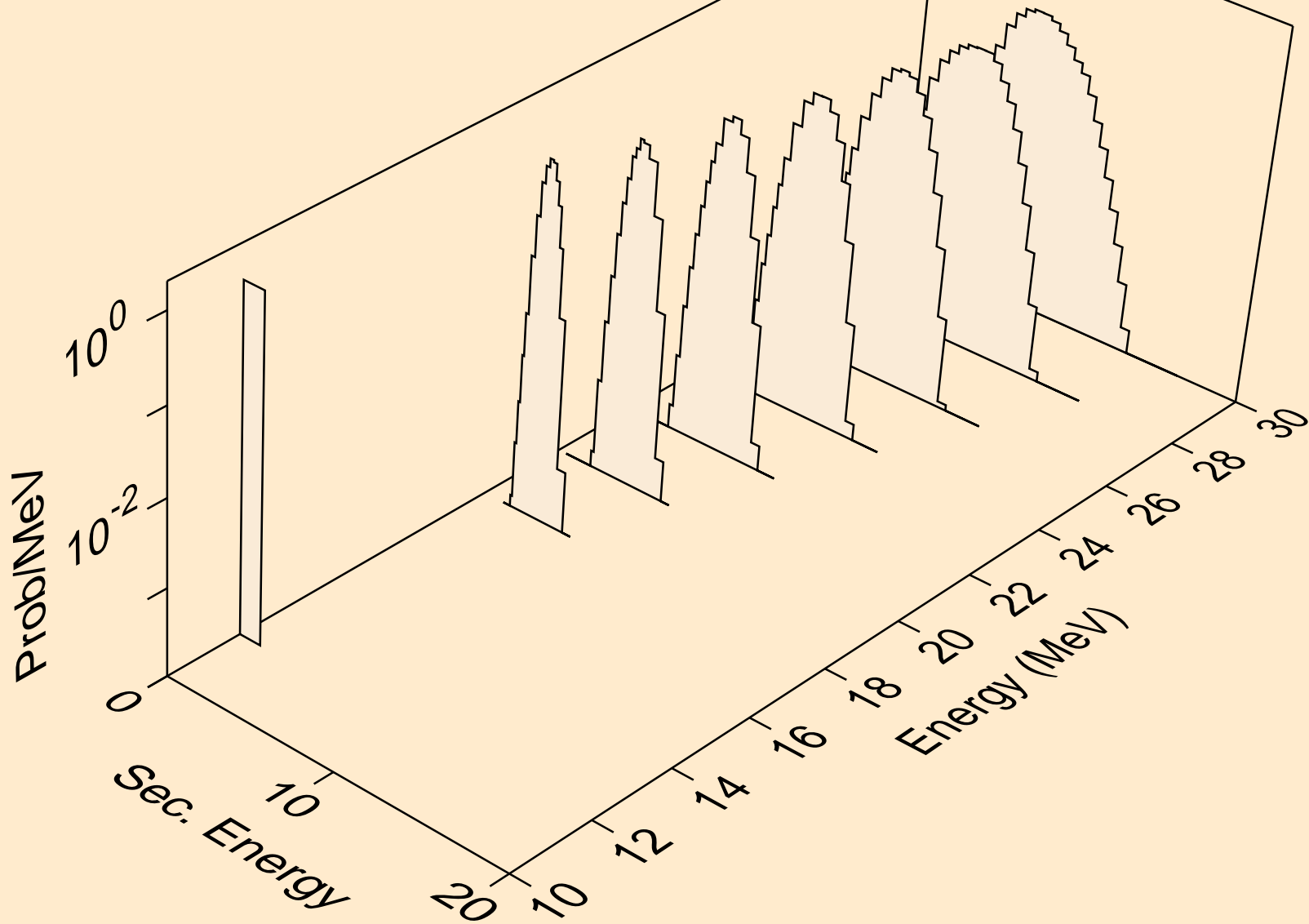
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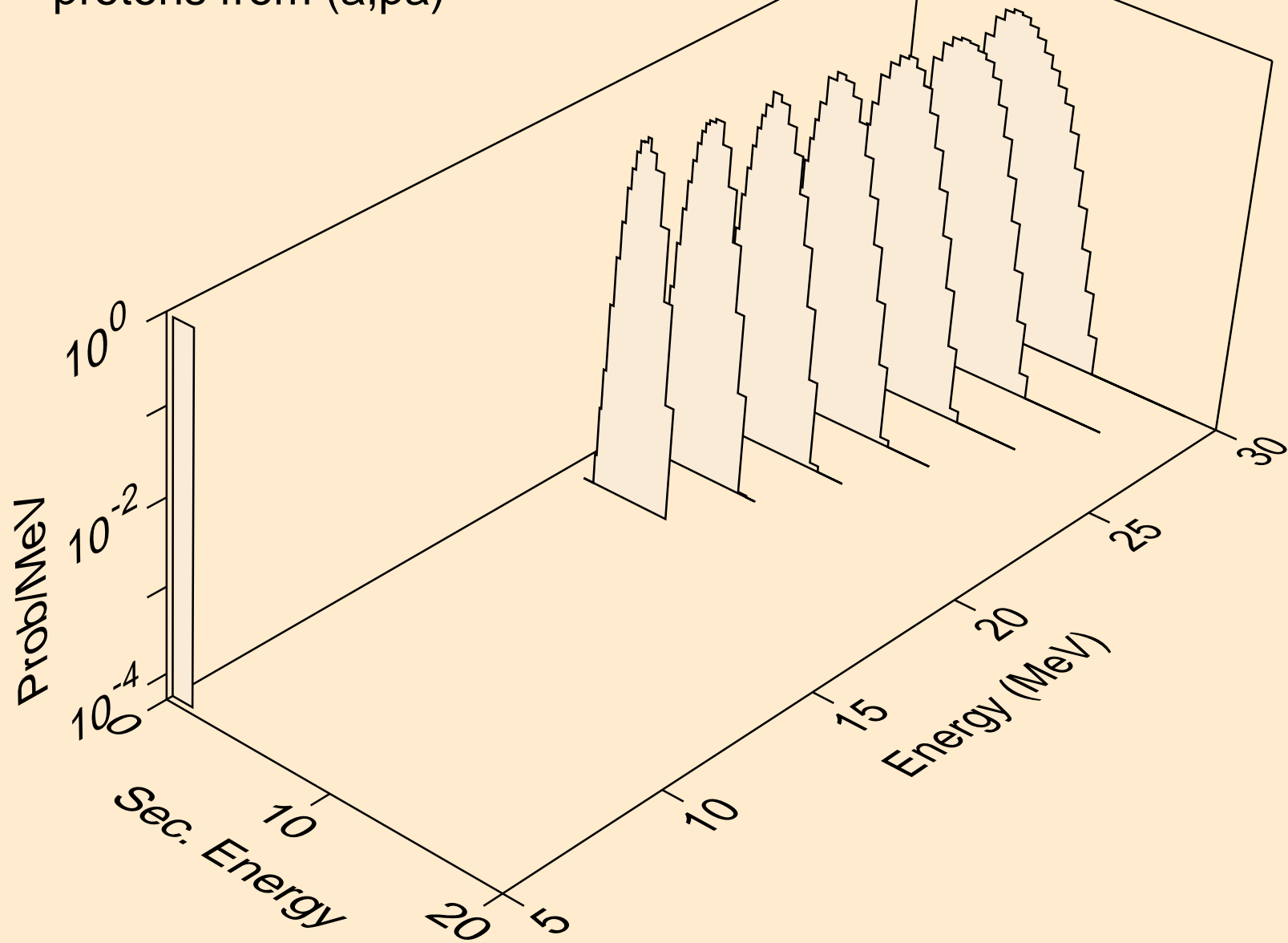
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protons from (a,p)



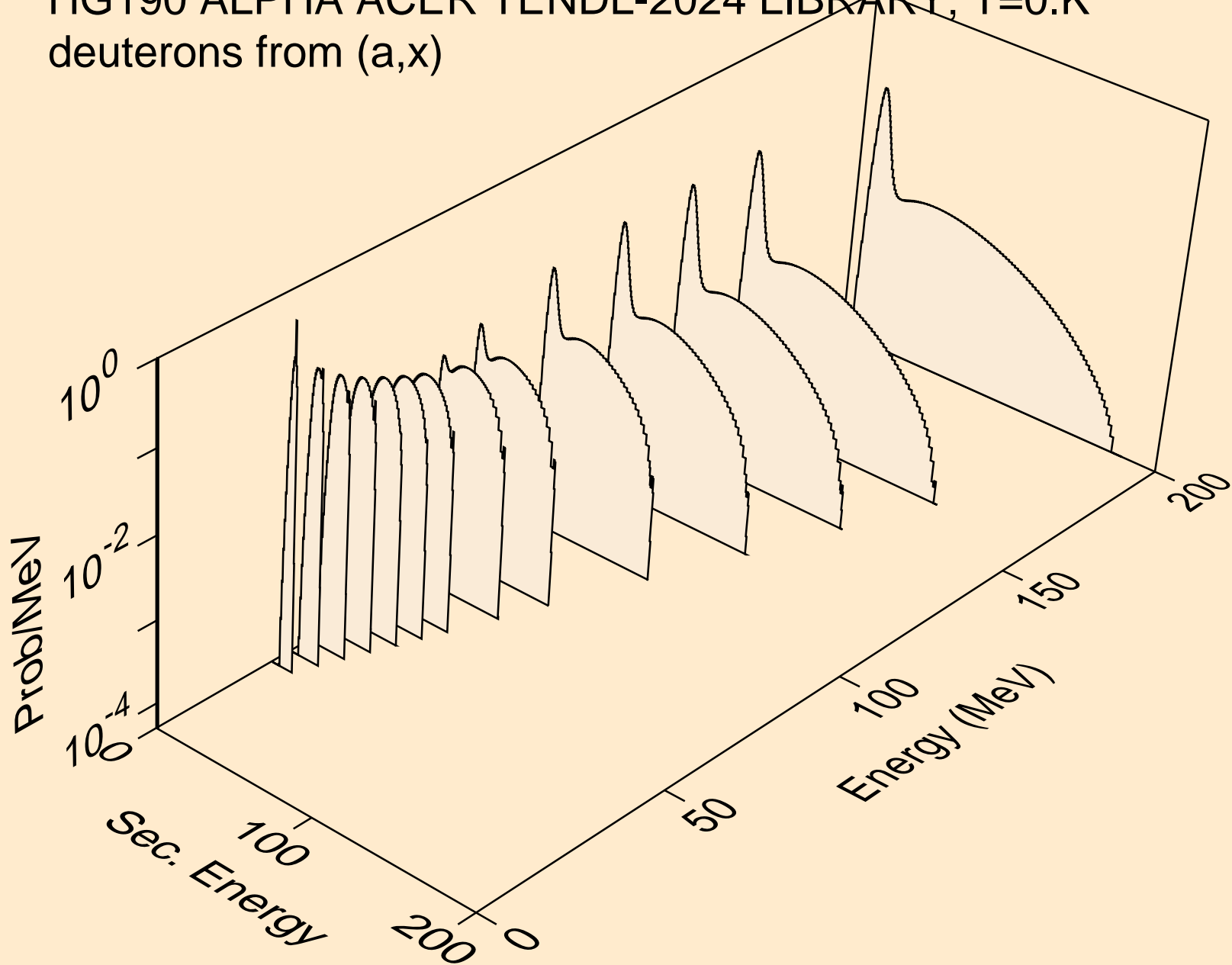
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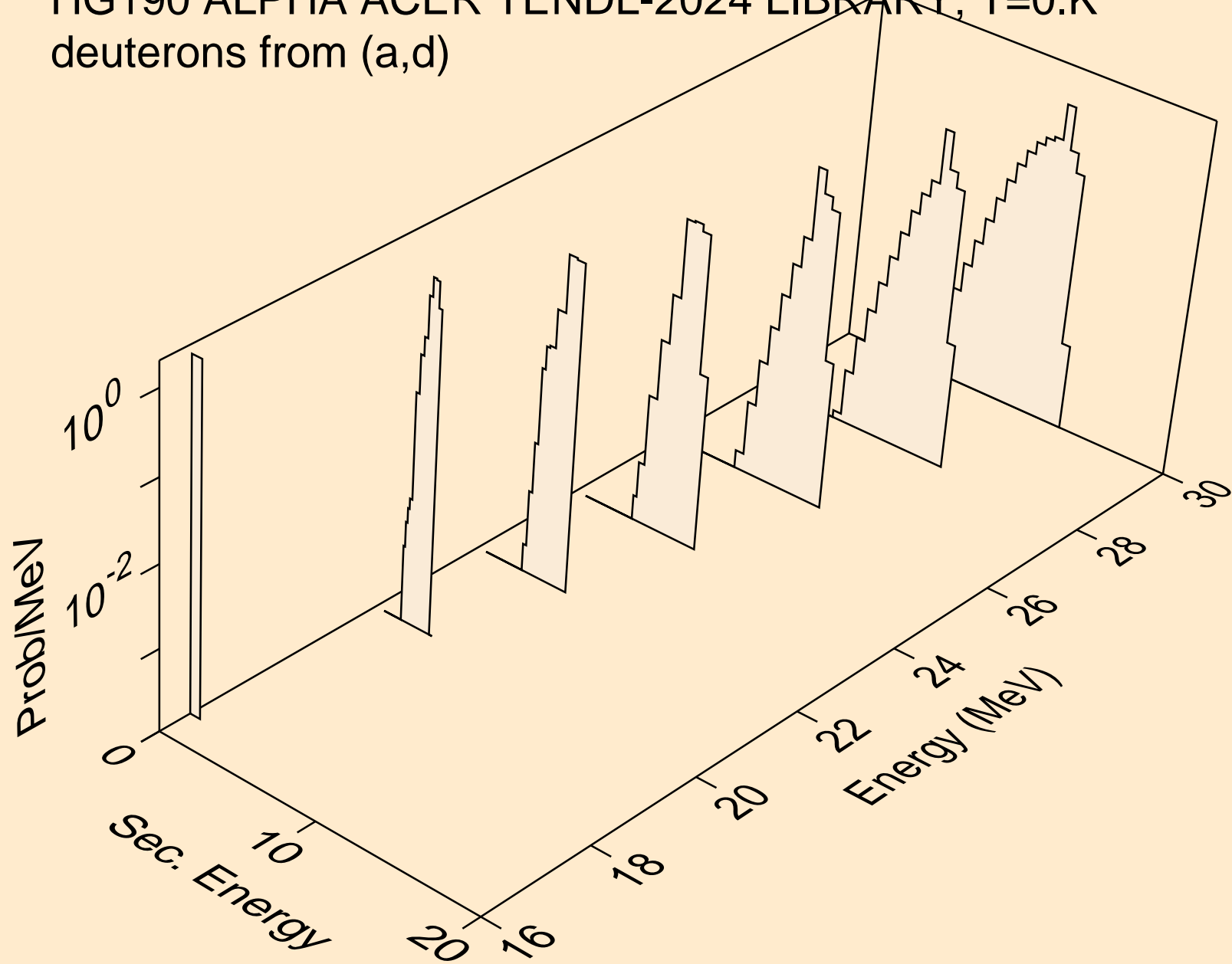
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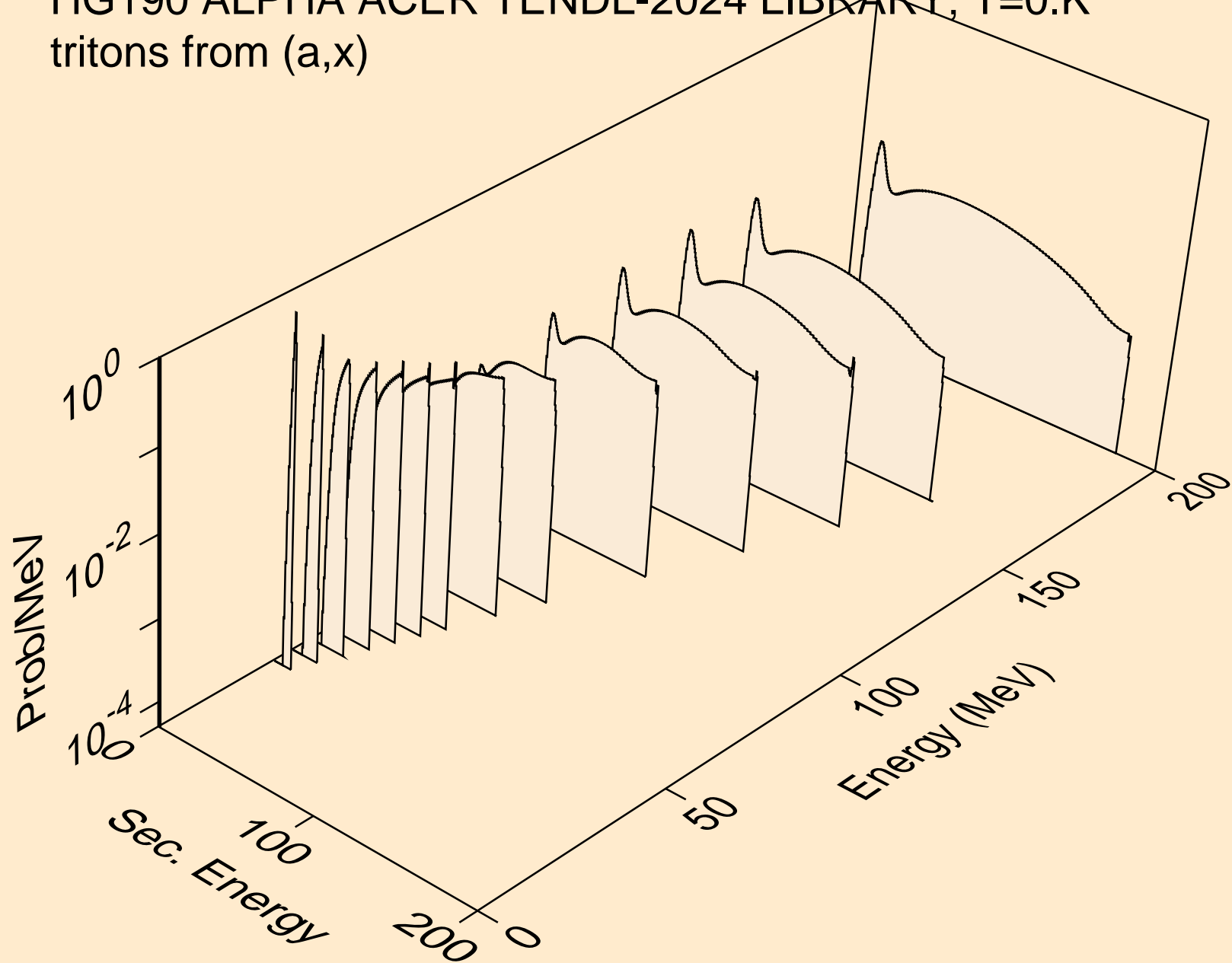
HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (a,x)



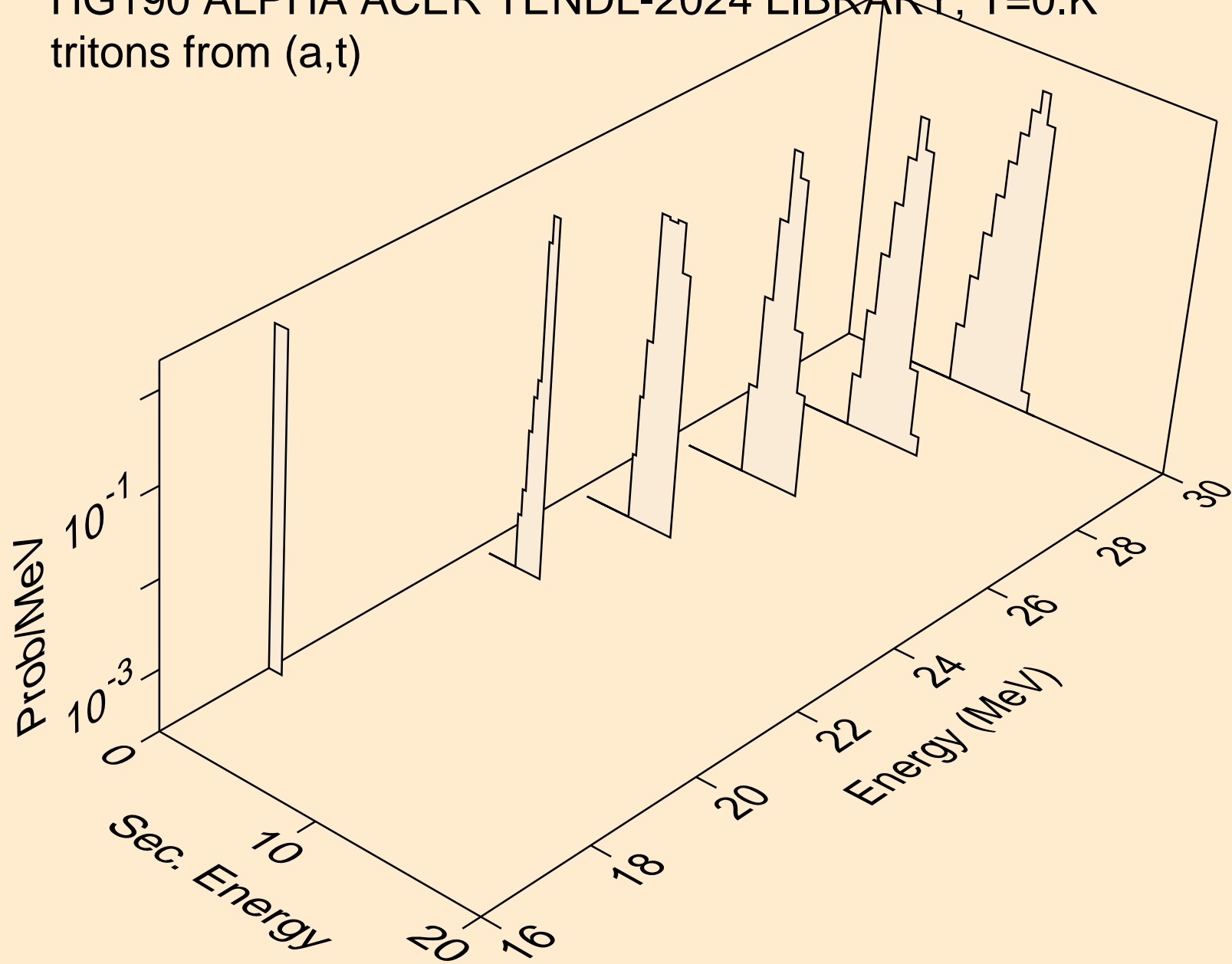
HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (a,d)



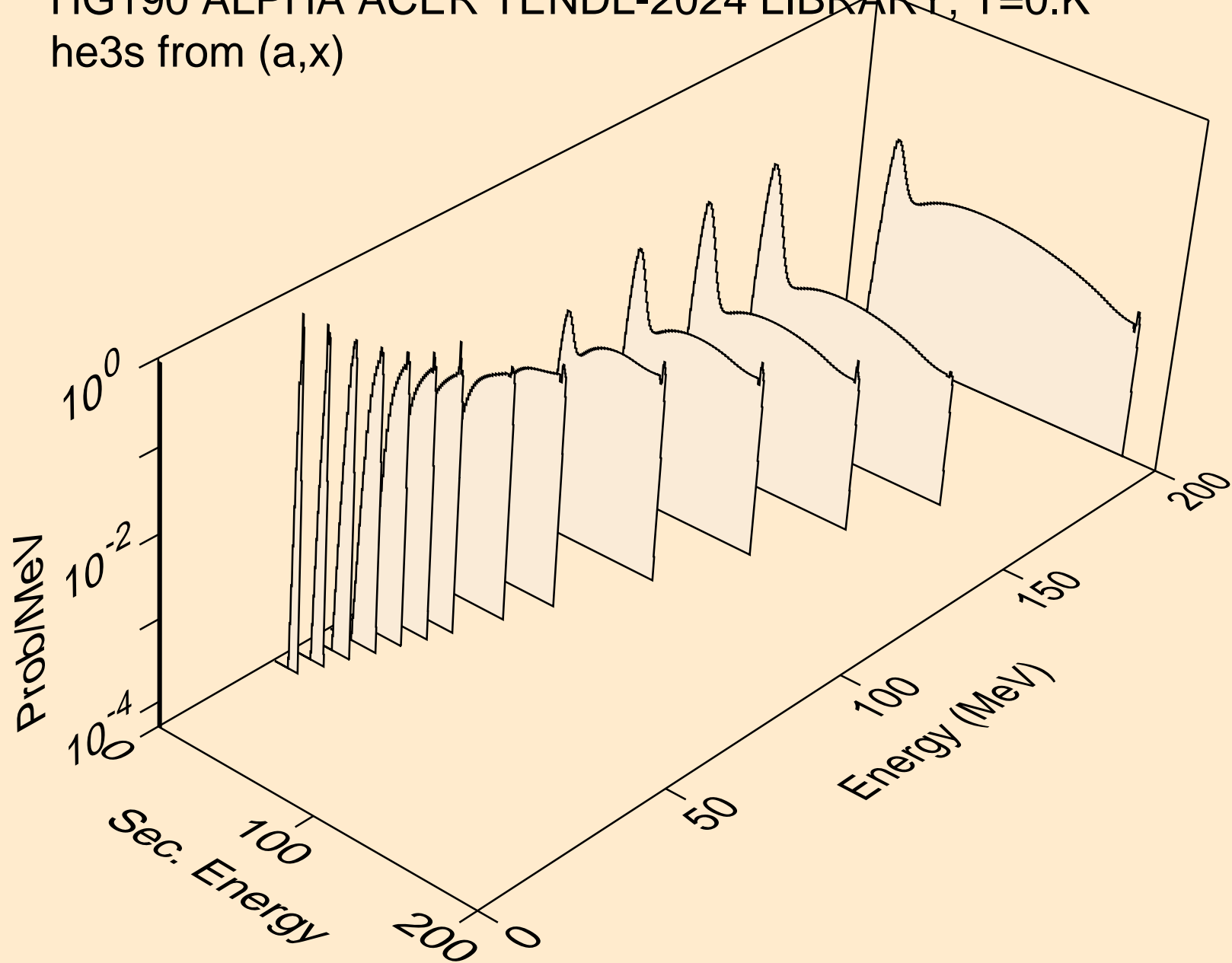
HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (a,x)



HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (a,t)



HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (a,x)



HG190 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (a,he3)

