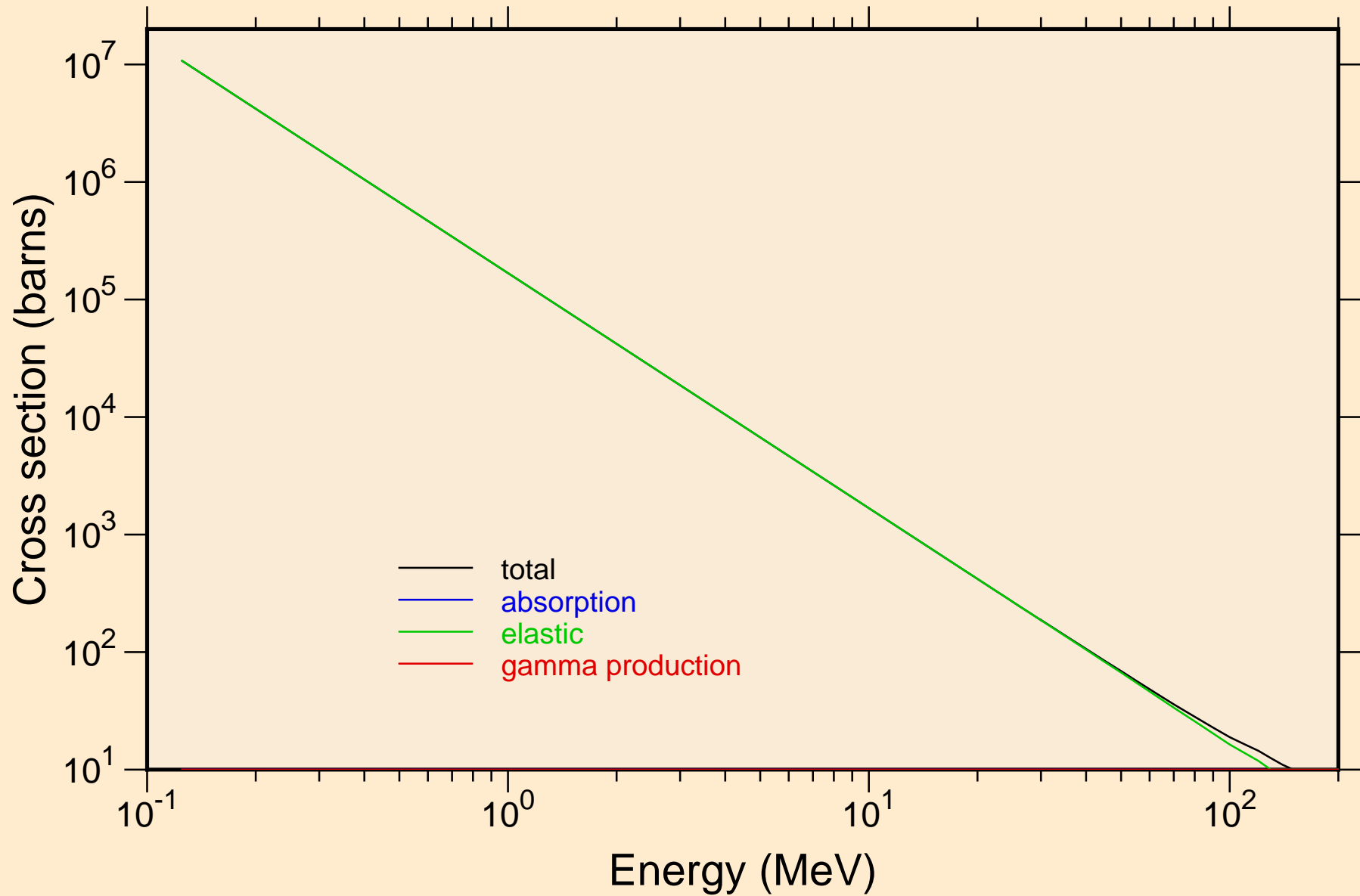
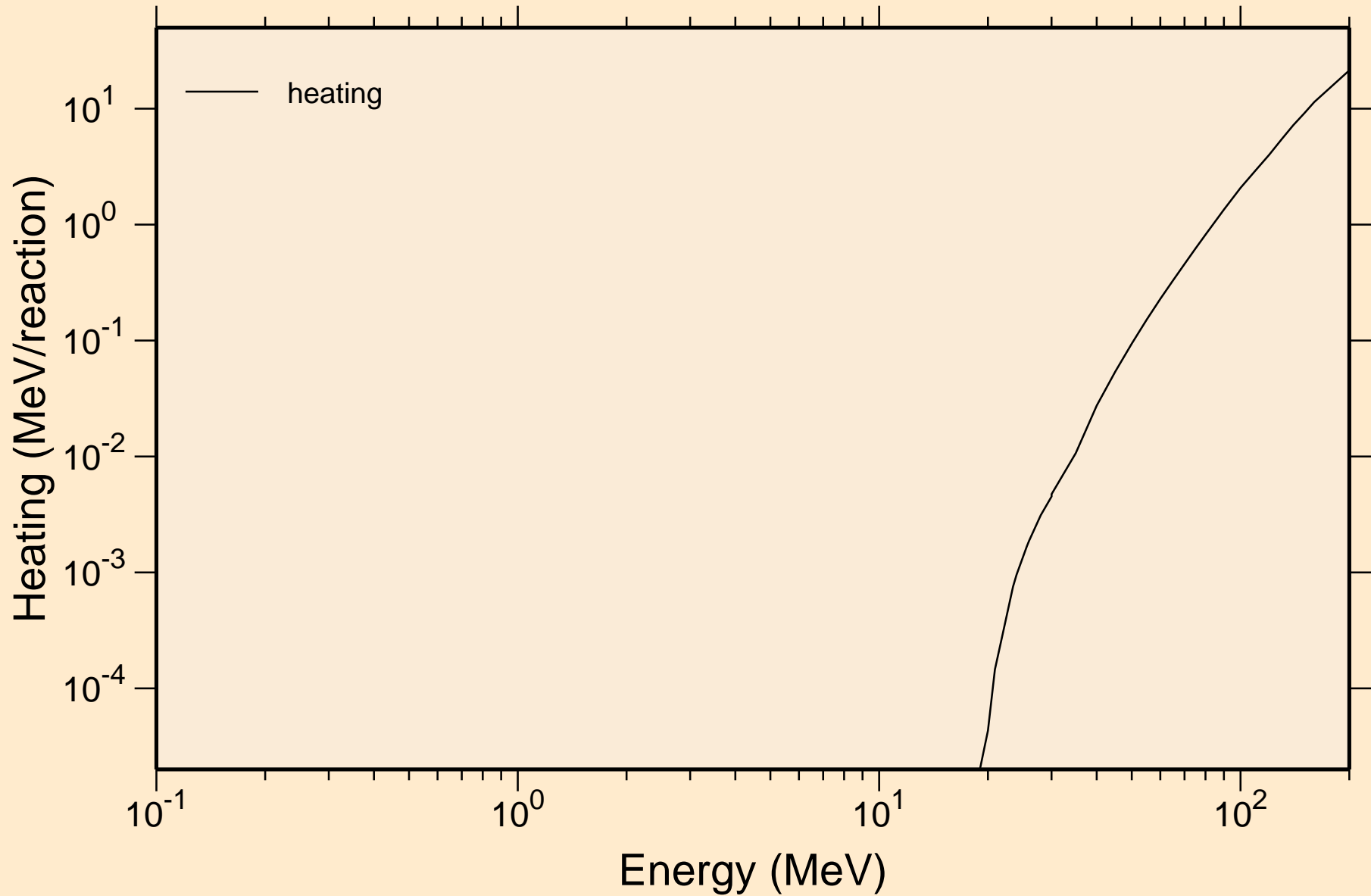


TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Principal cross sections



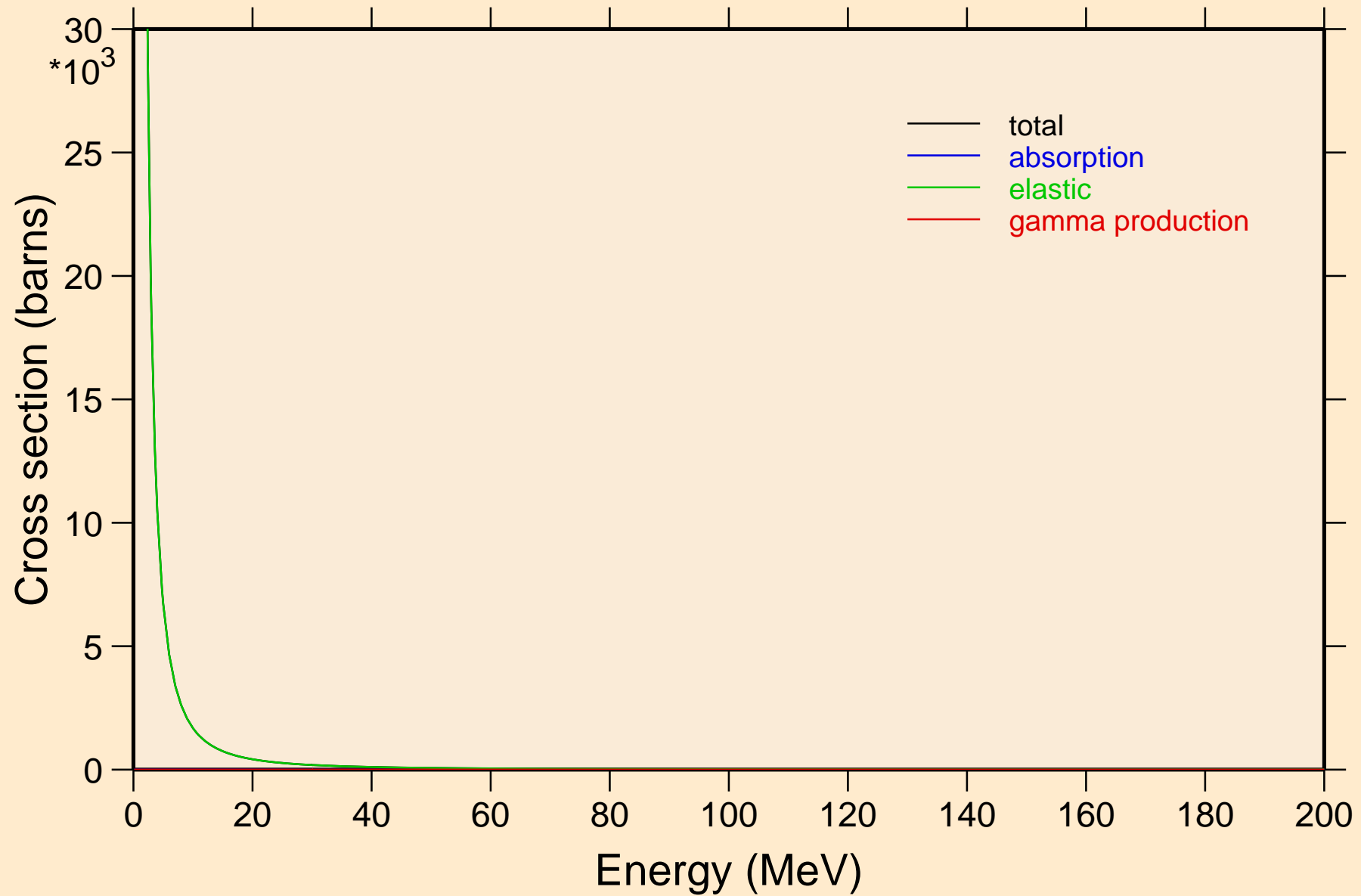
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Heating



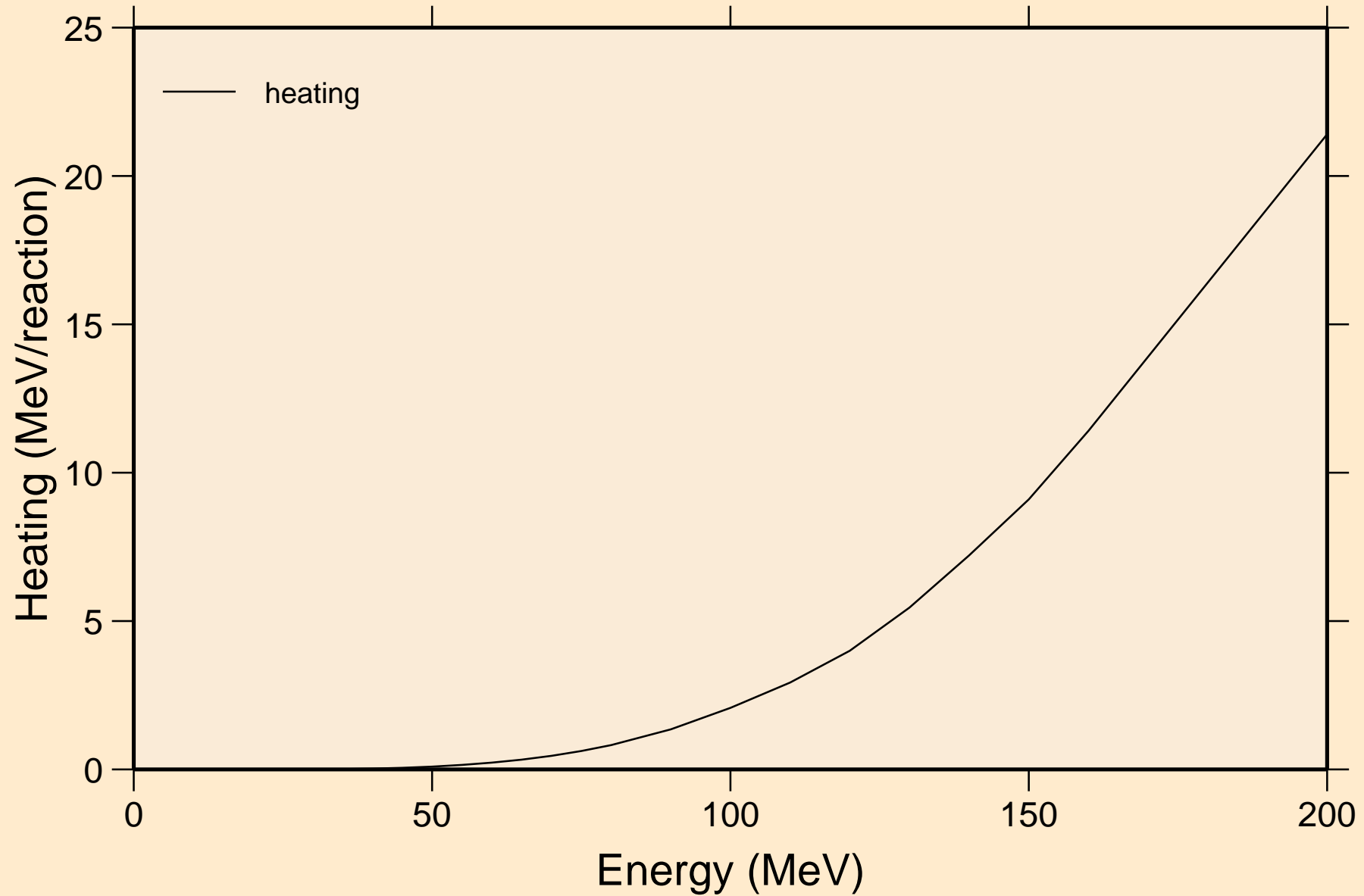
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## Principal cross sections

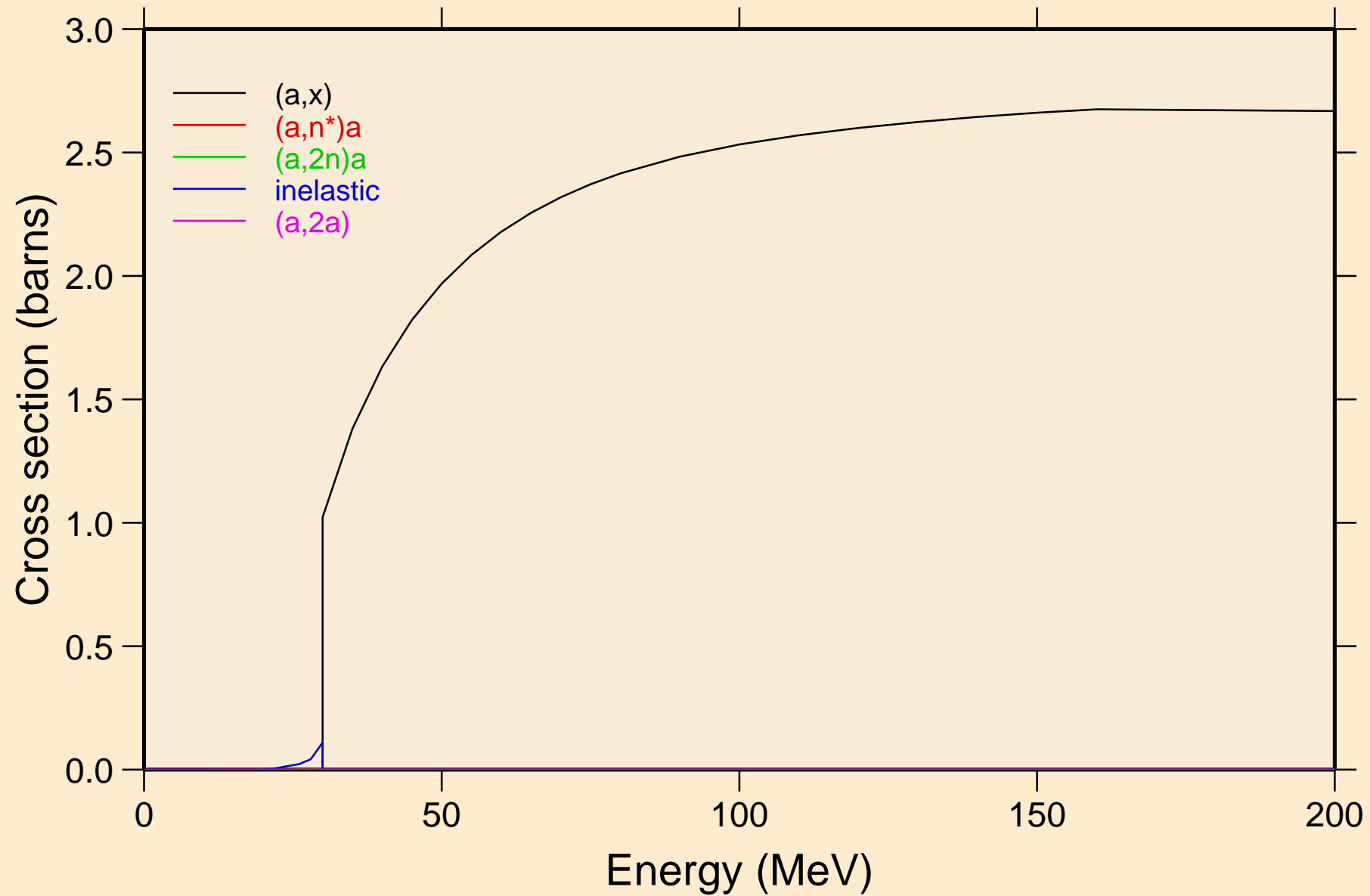


TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

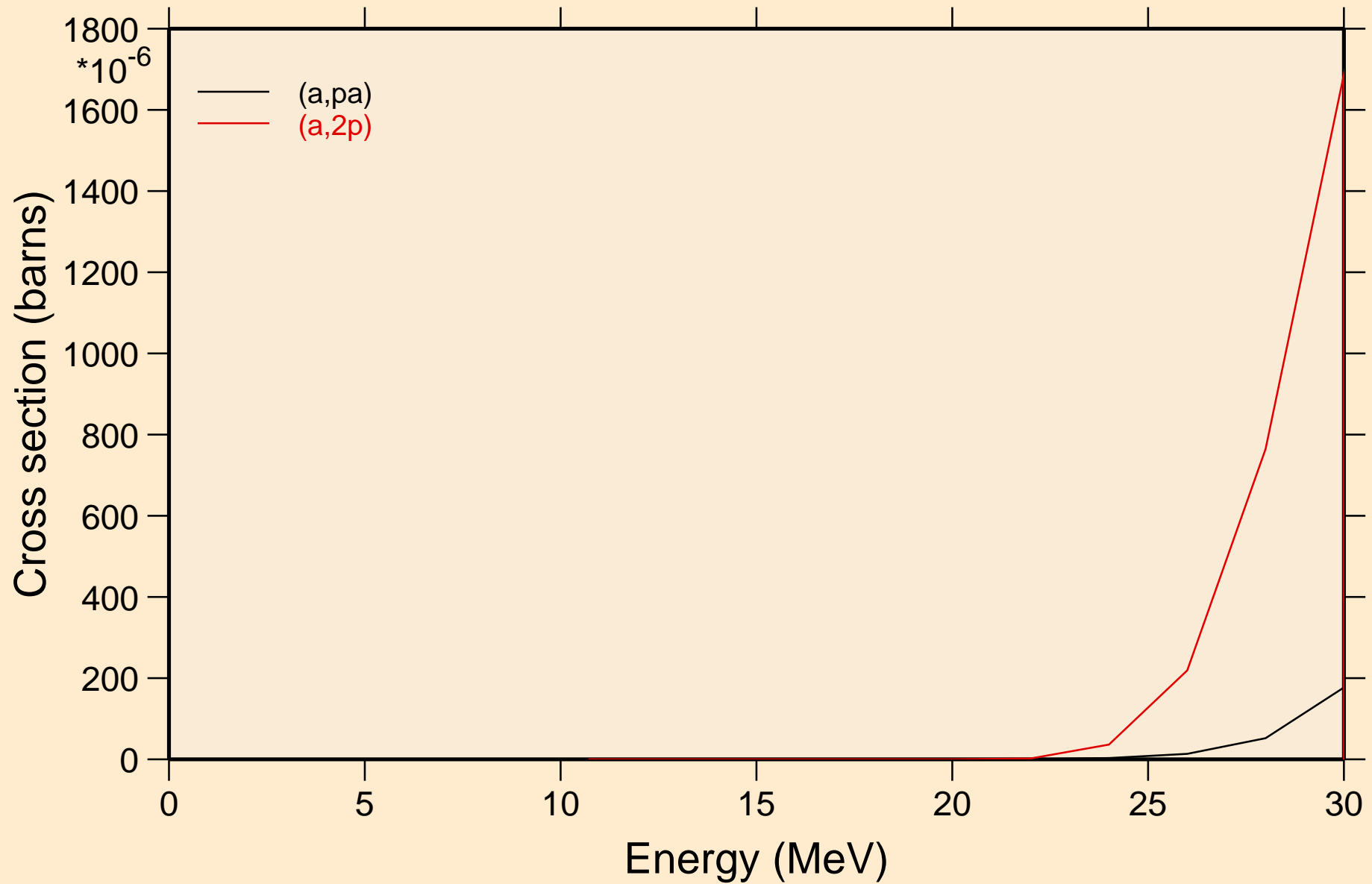
Heating



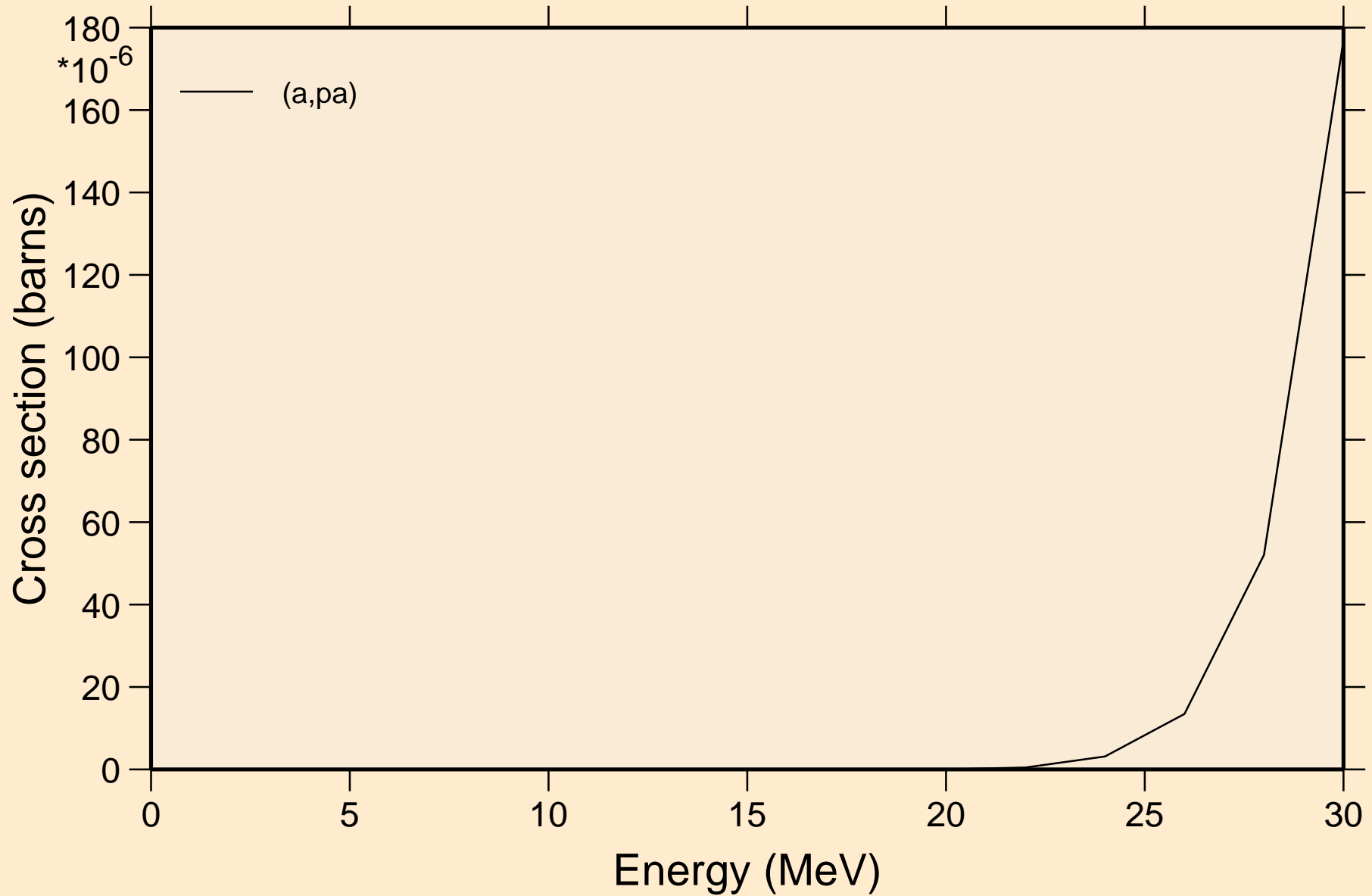
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



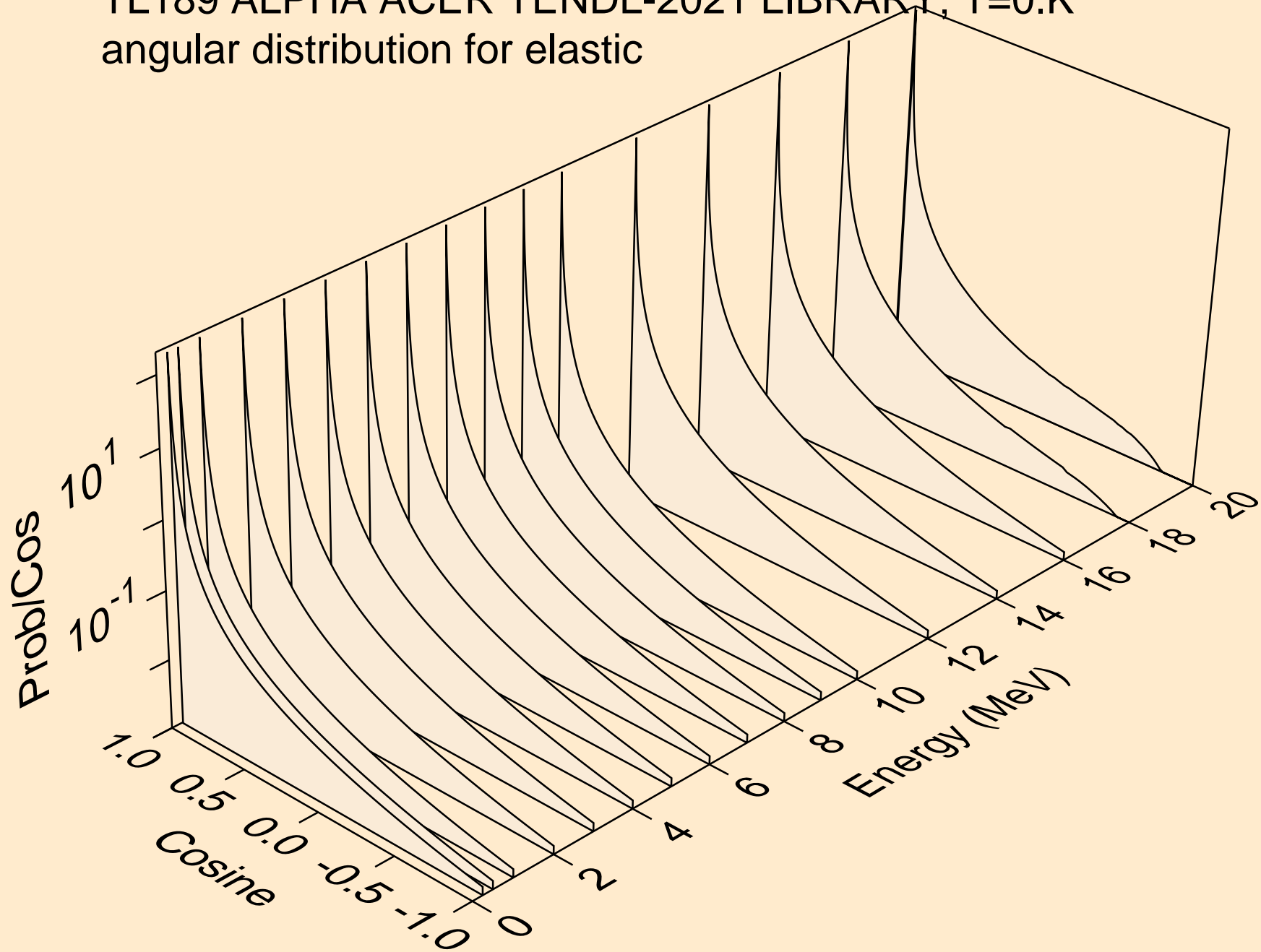
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



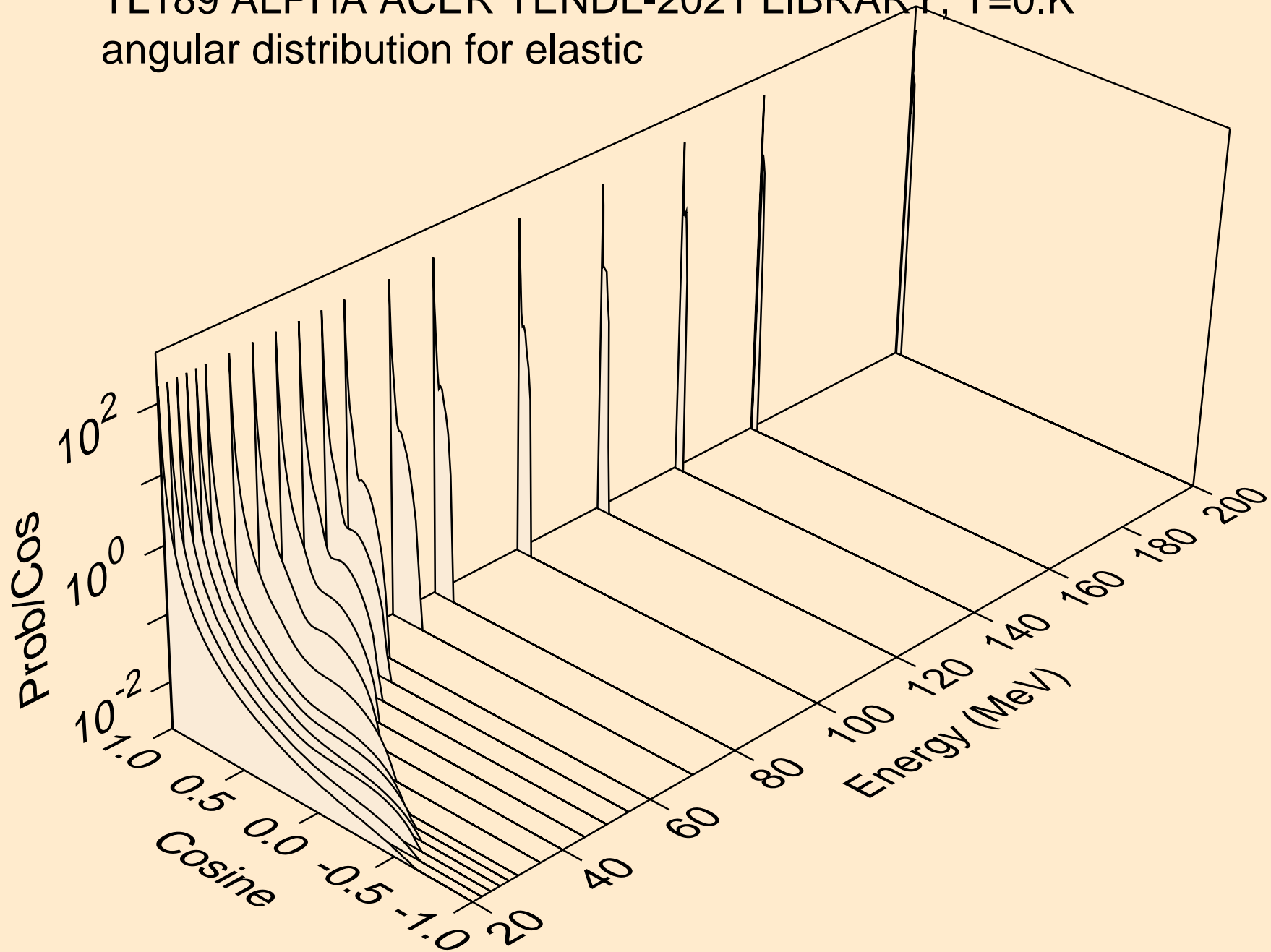
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



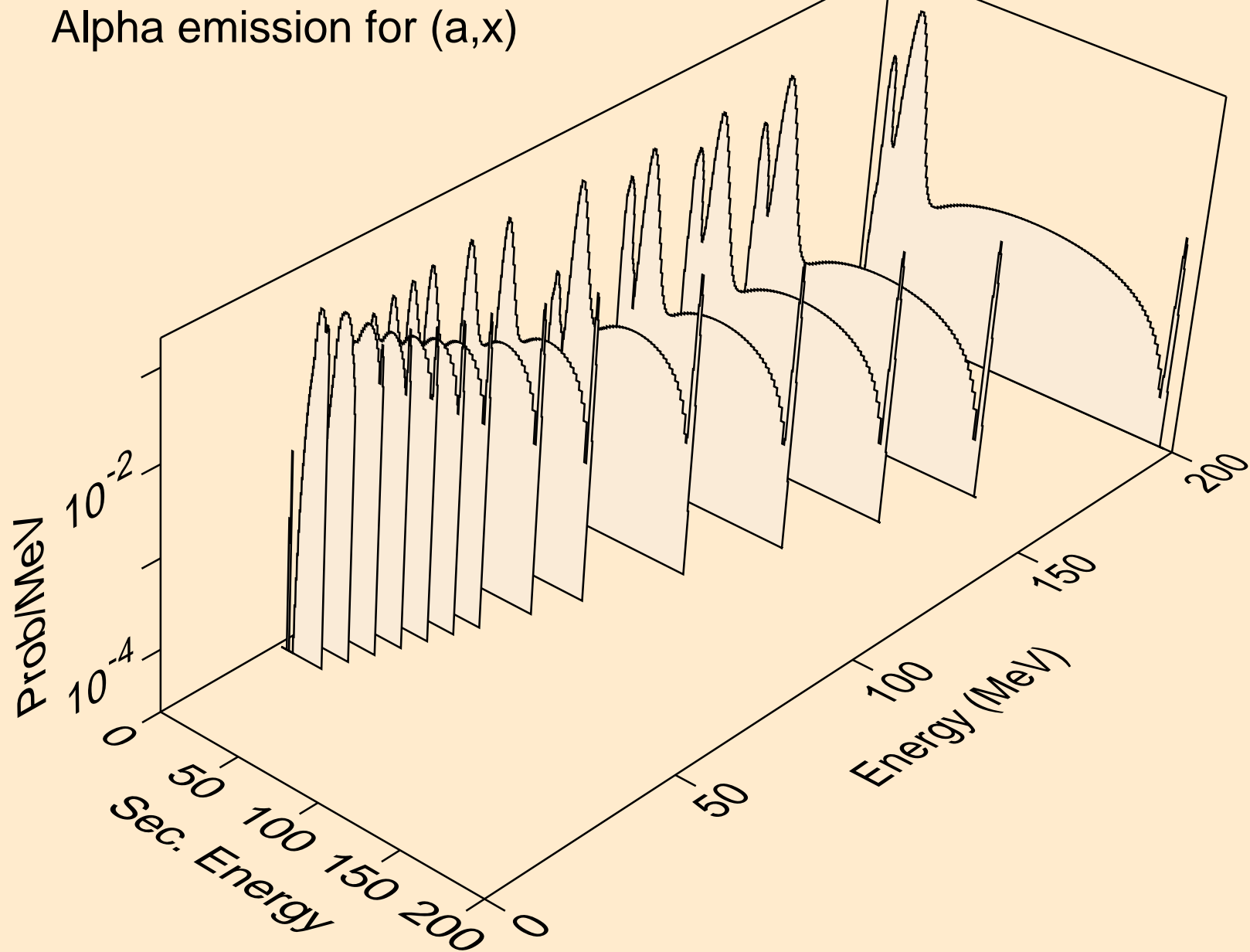
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



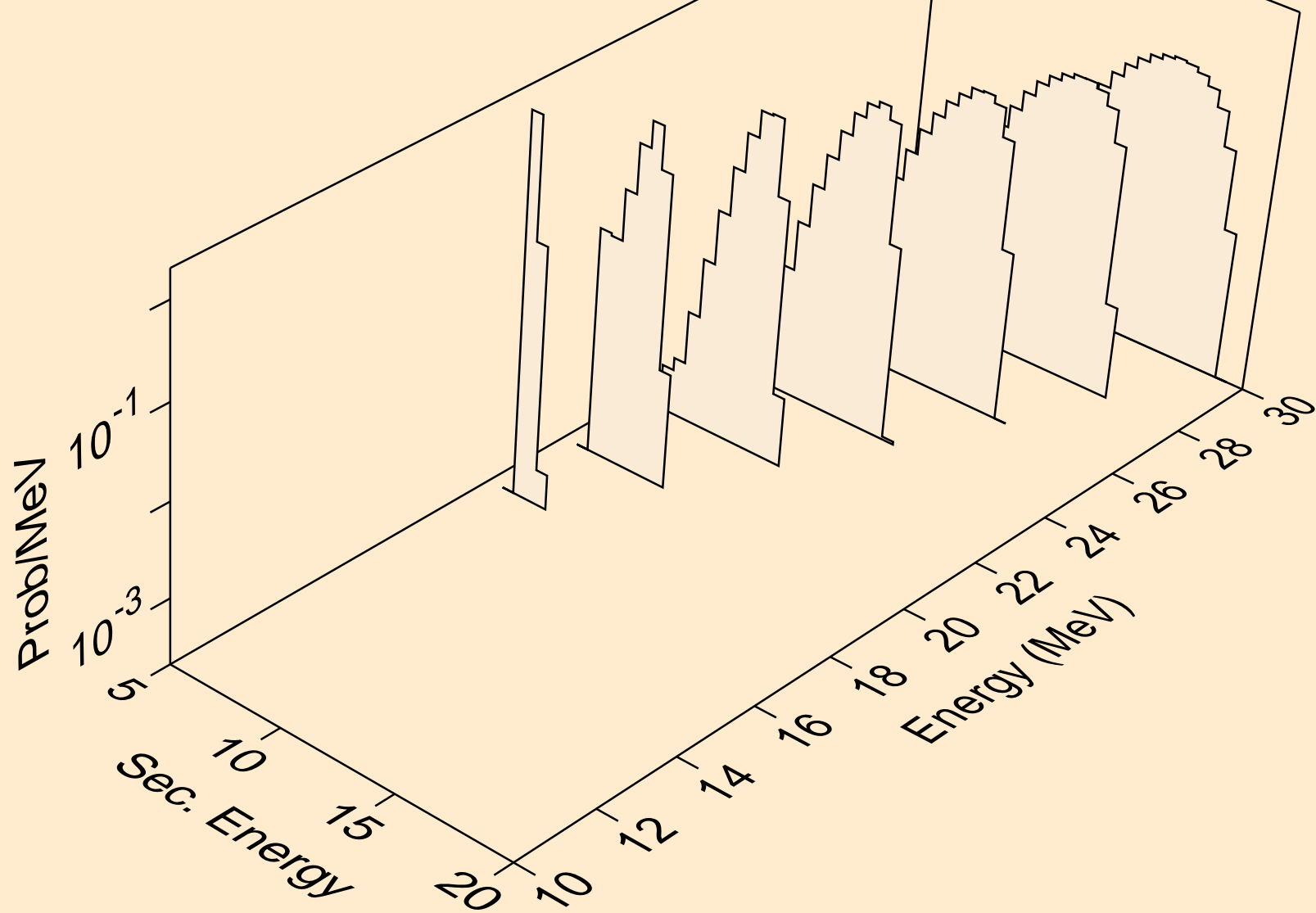
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



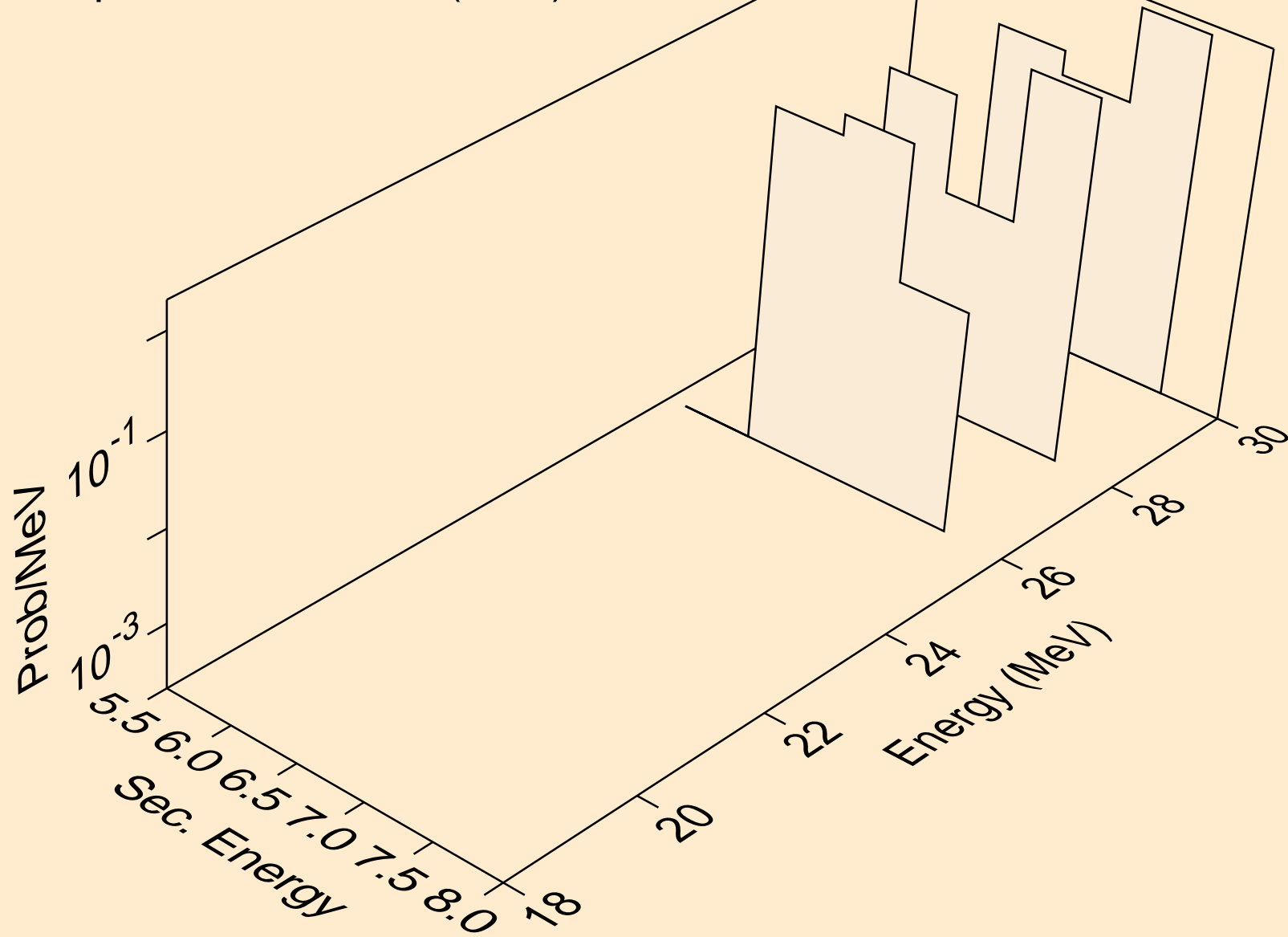
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,x)



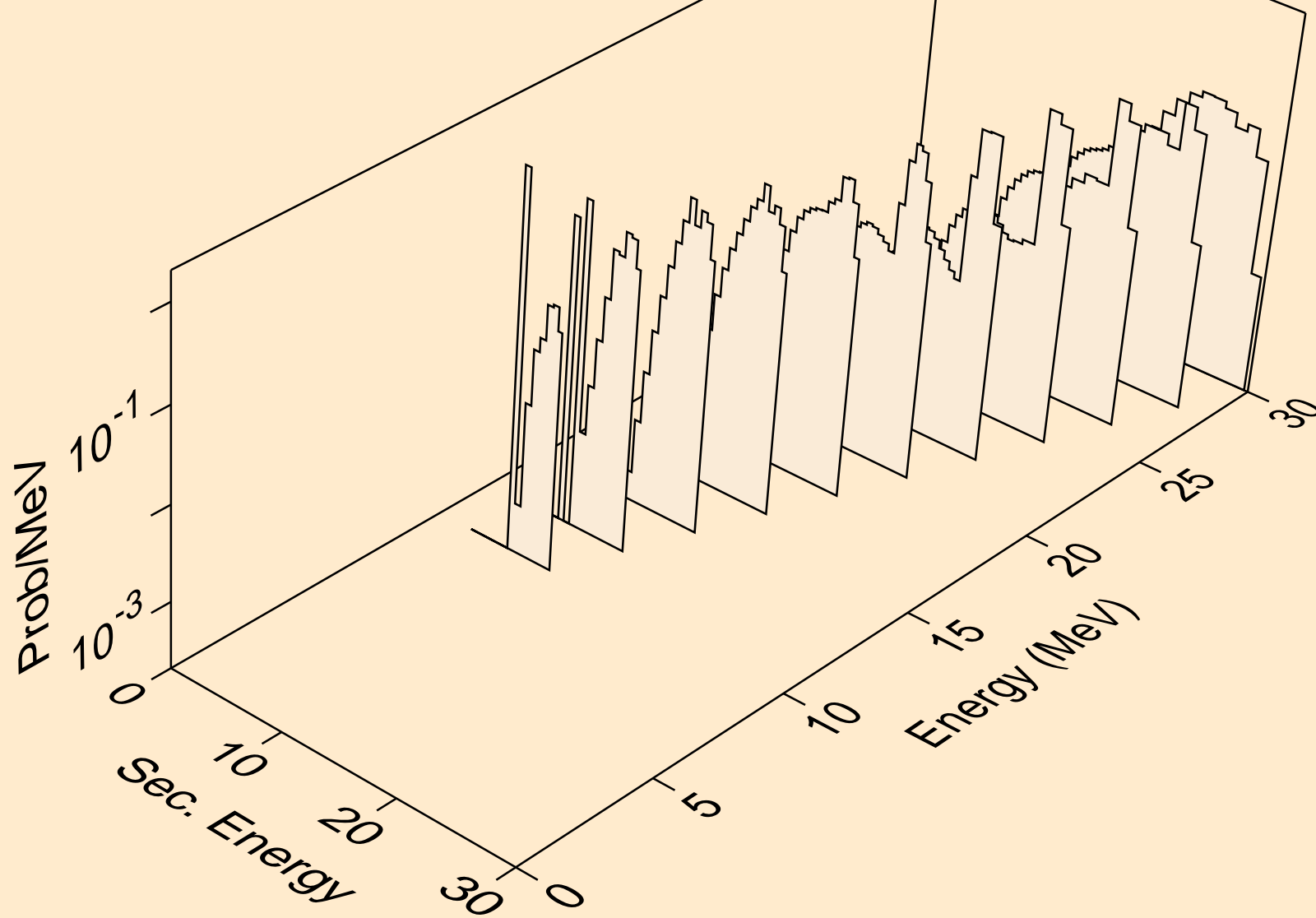
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,n\*)a



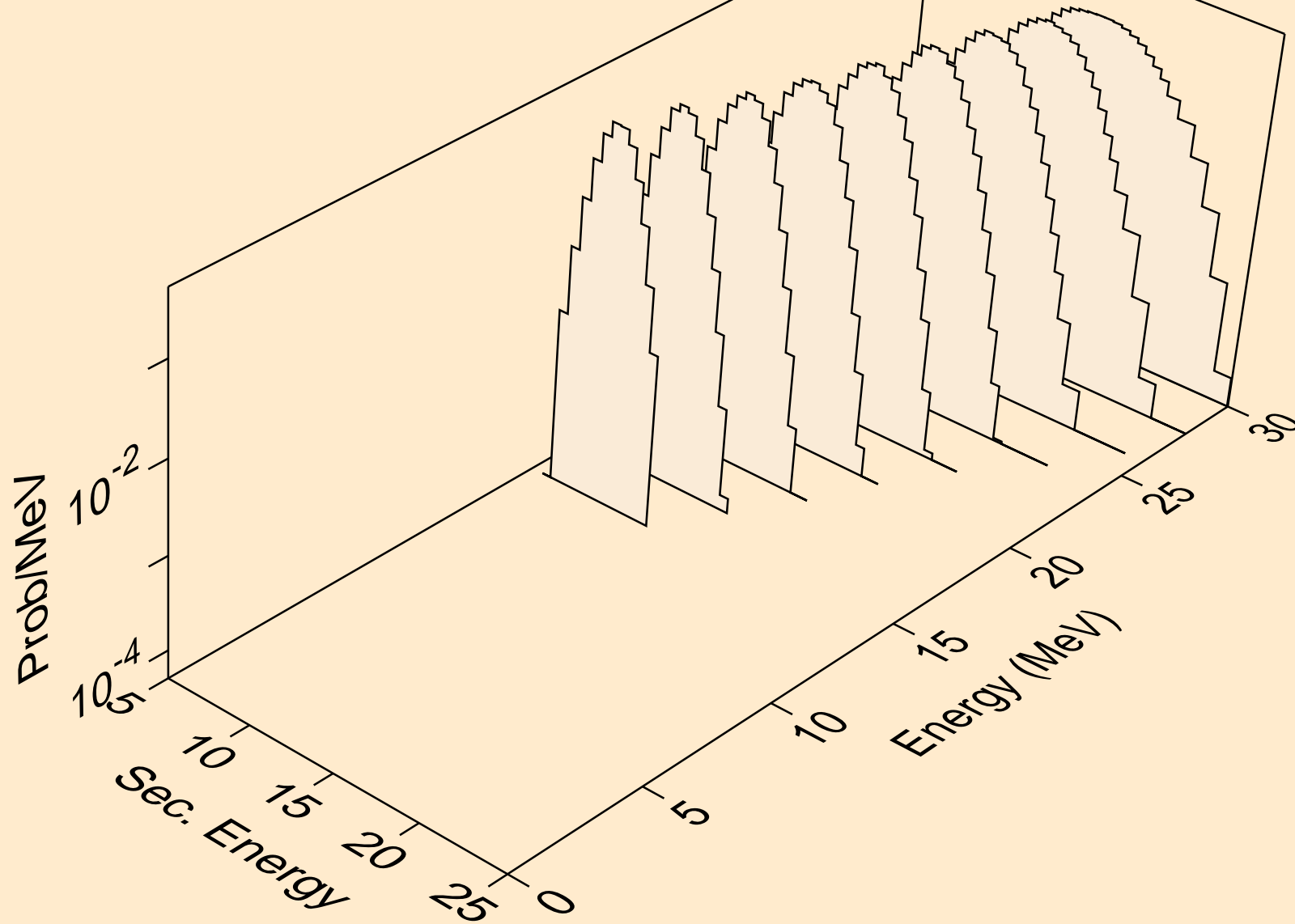
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,2n)a



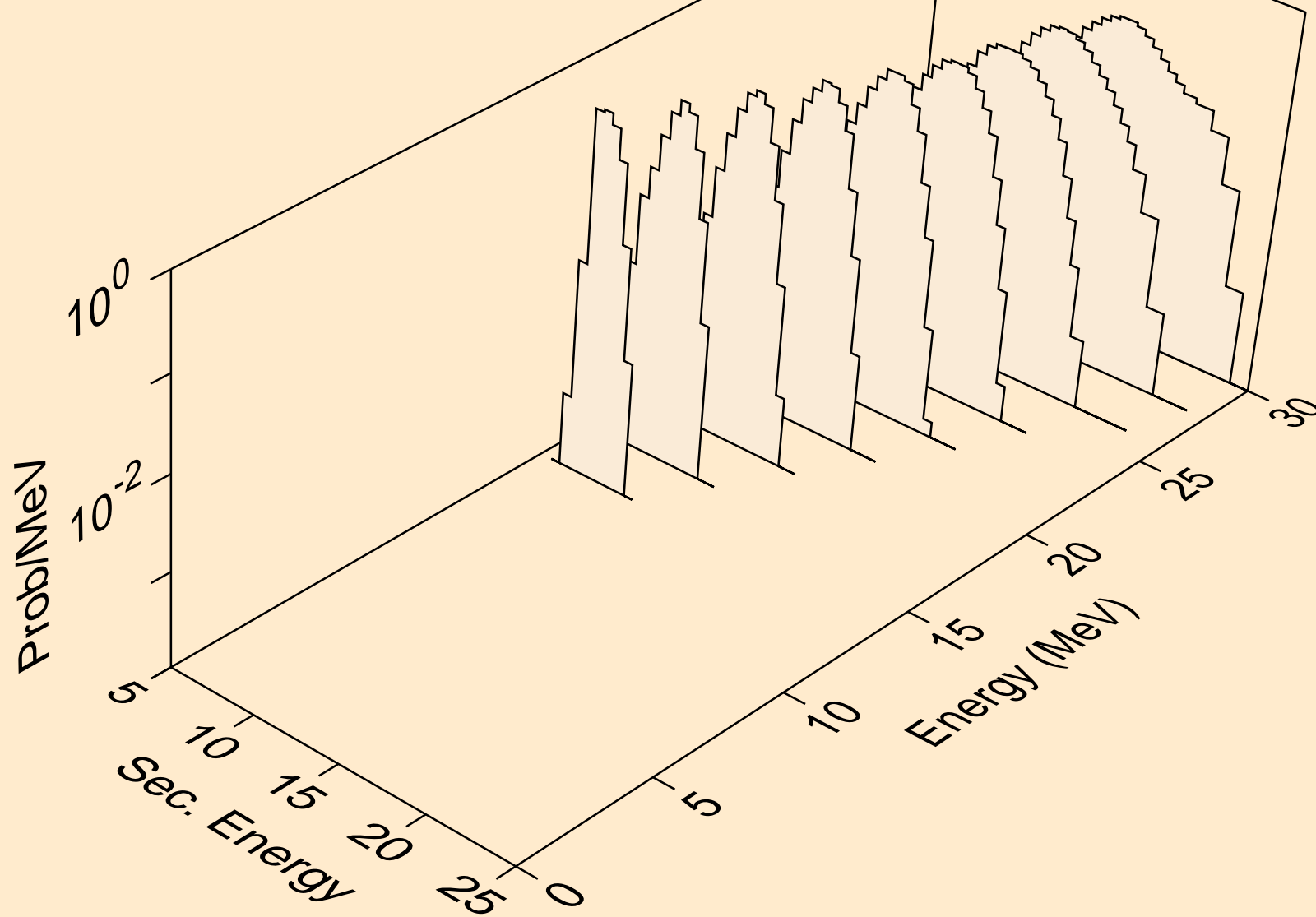
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for inelastic



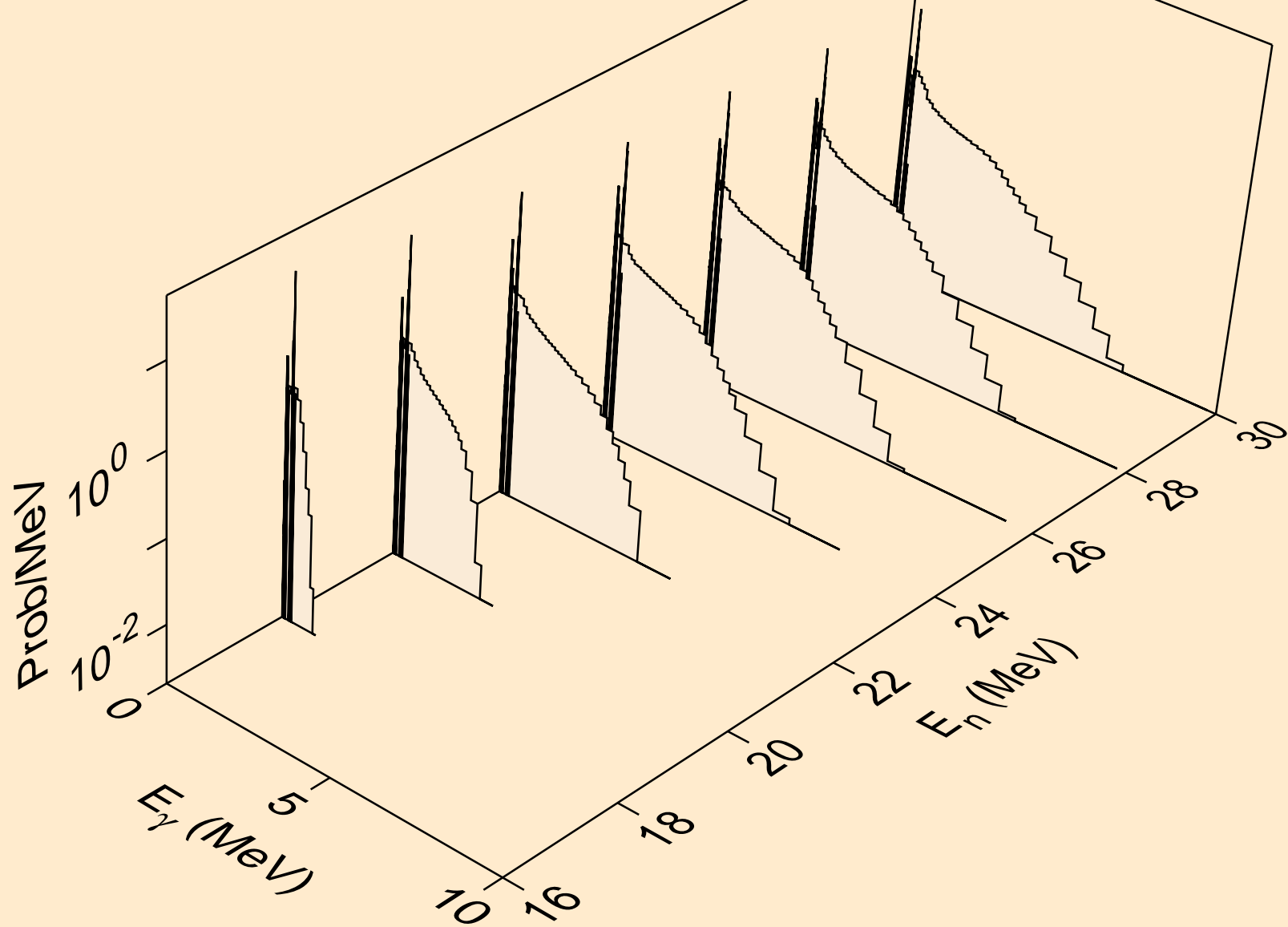
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,2a)



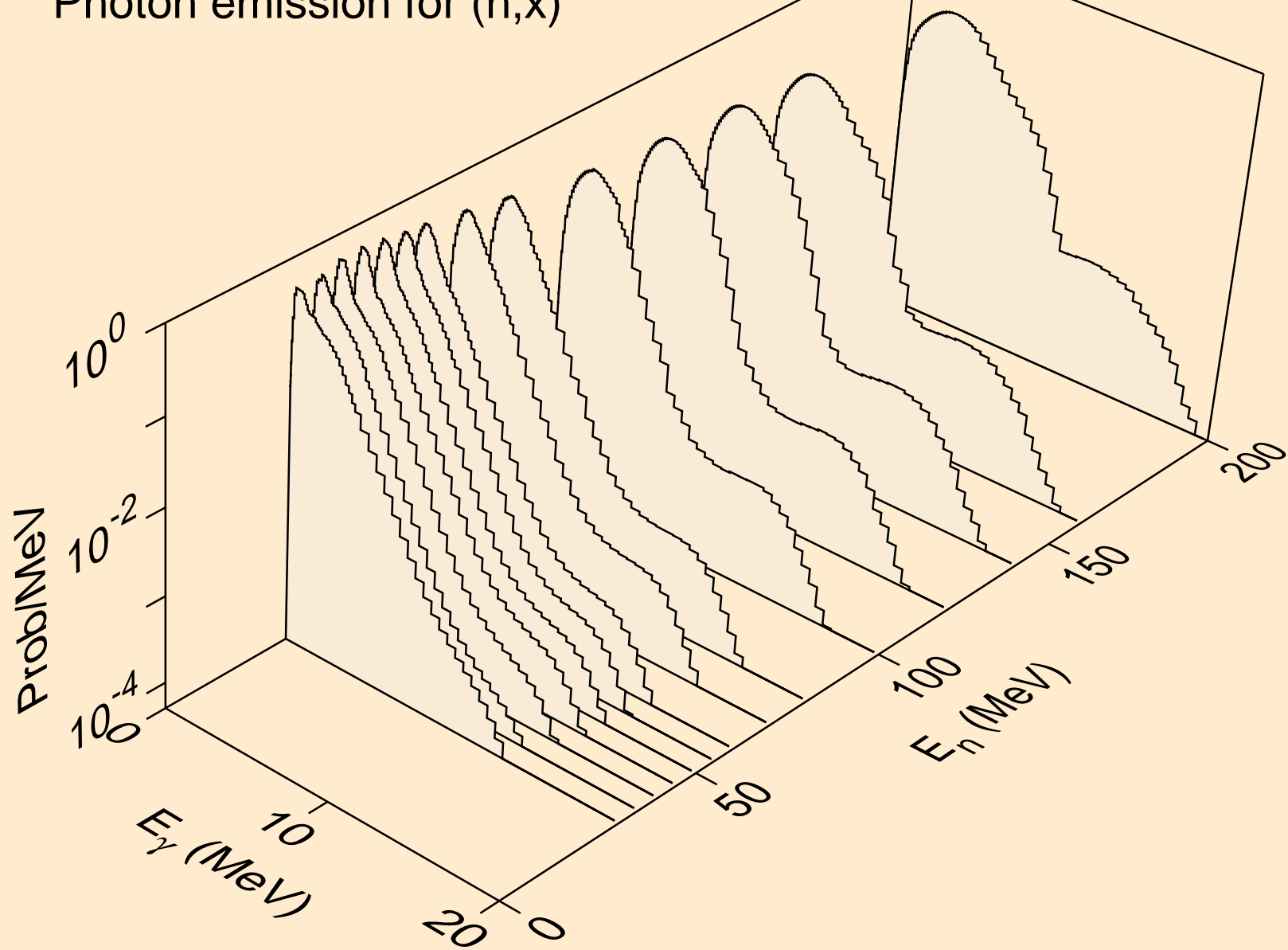
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Alpha emission for (a,pa)



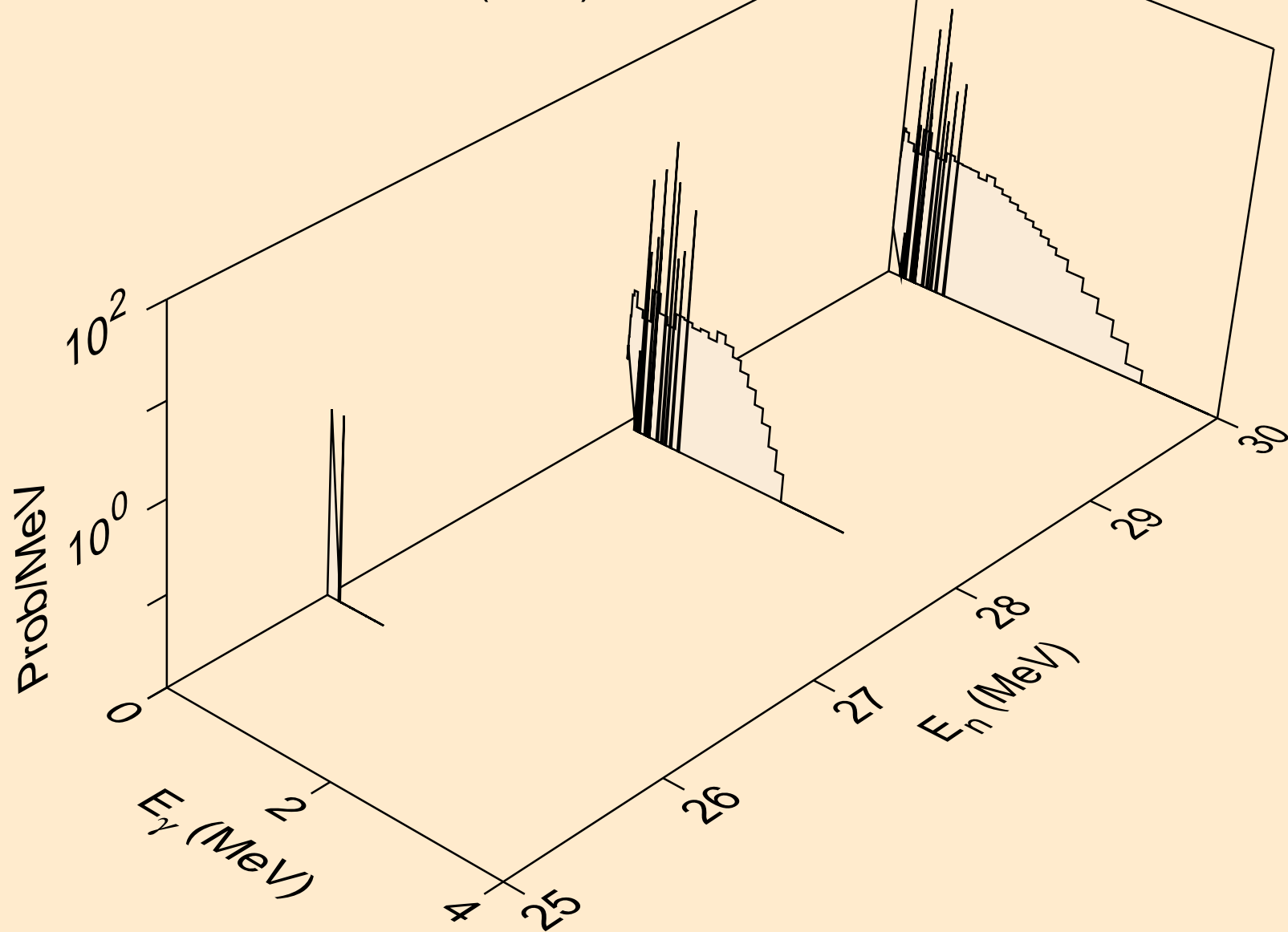
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Photon emission for (z,n)



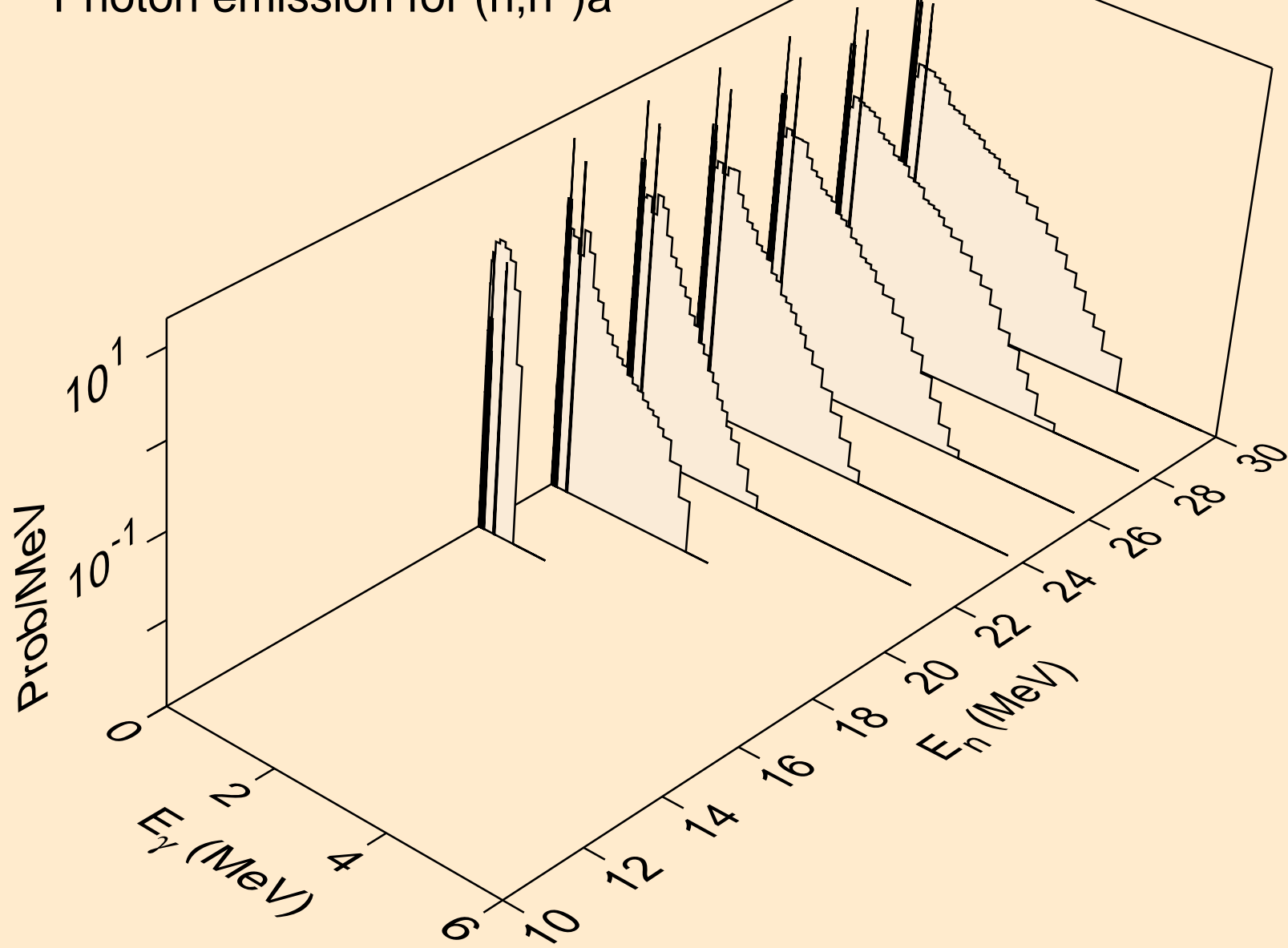
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



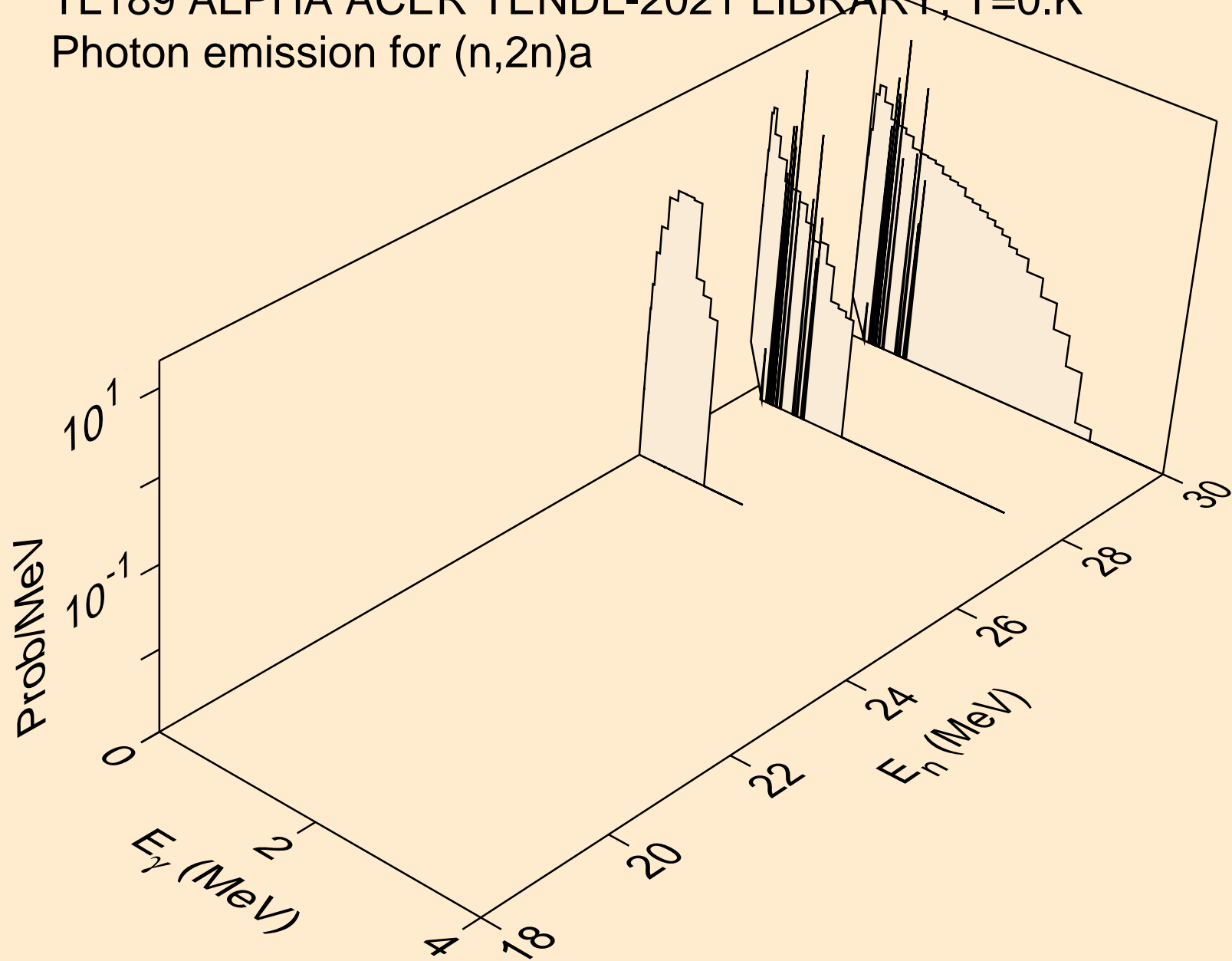
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)



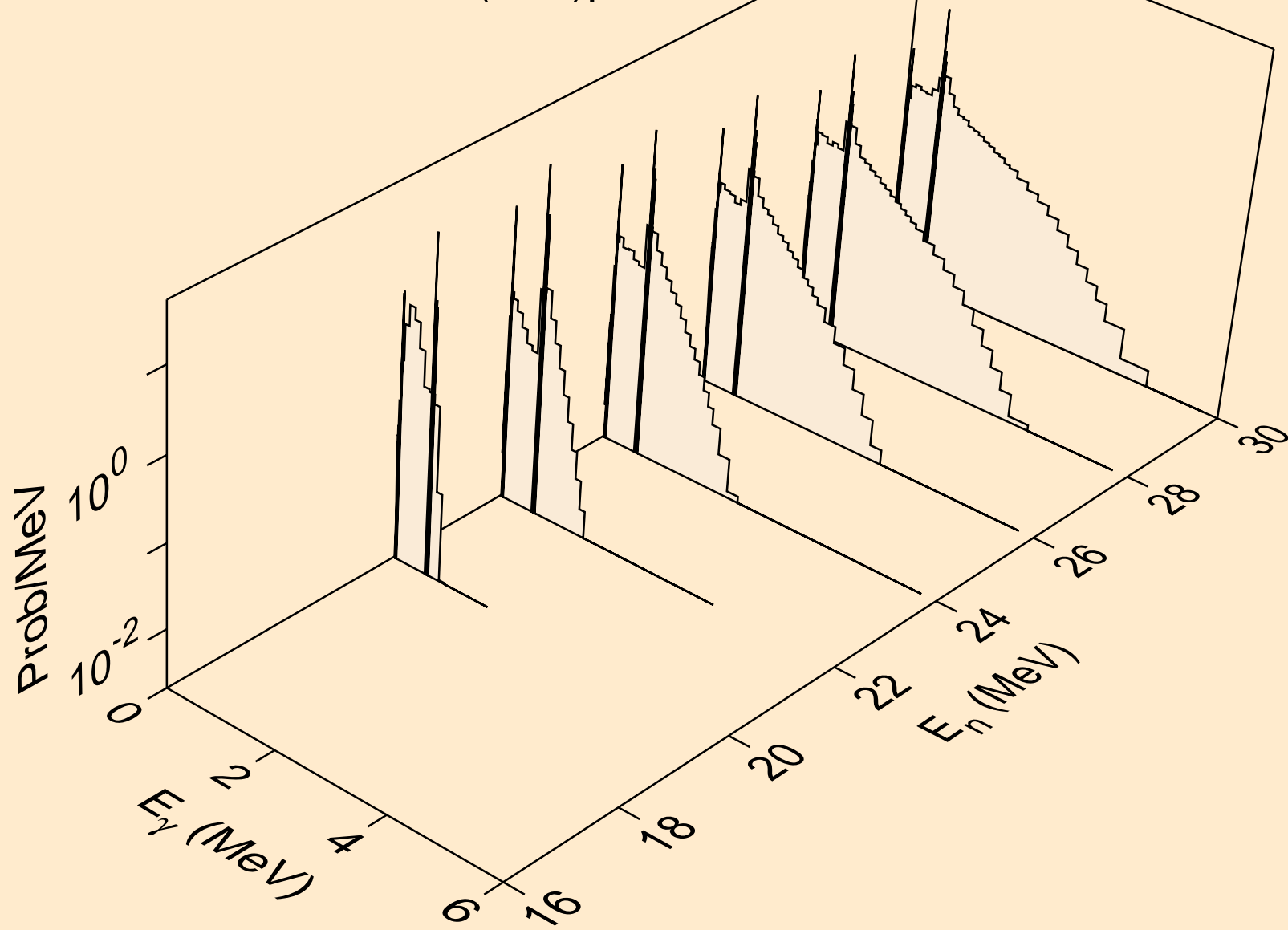
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



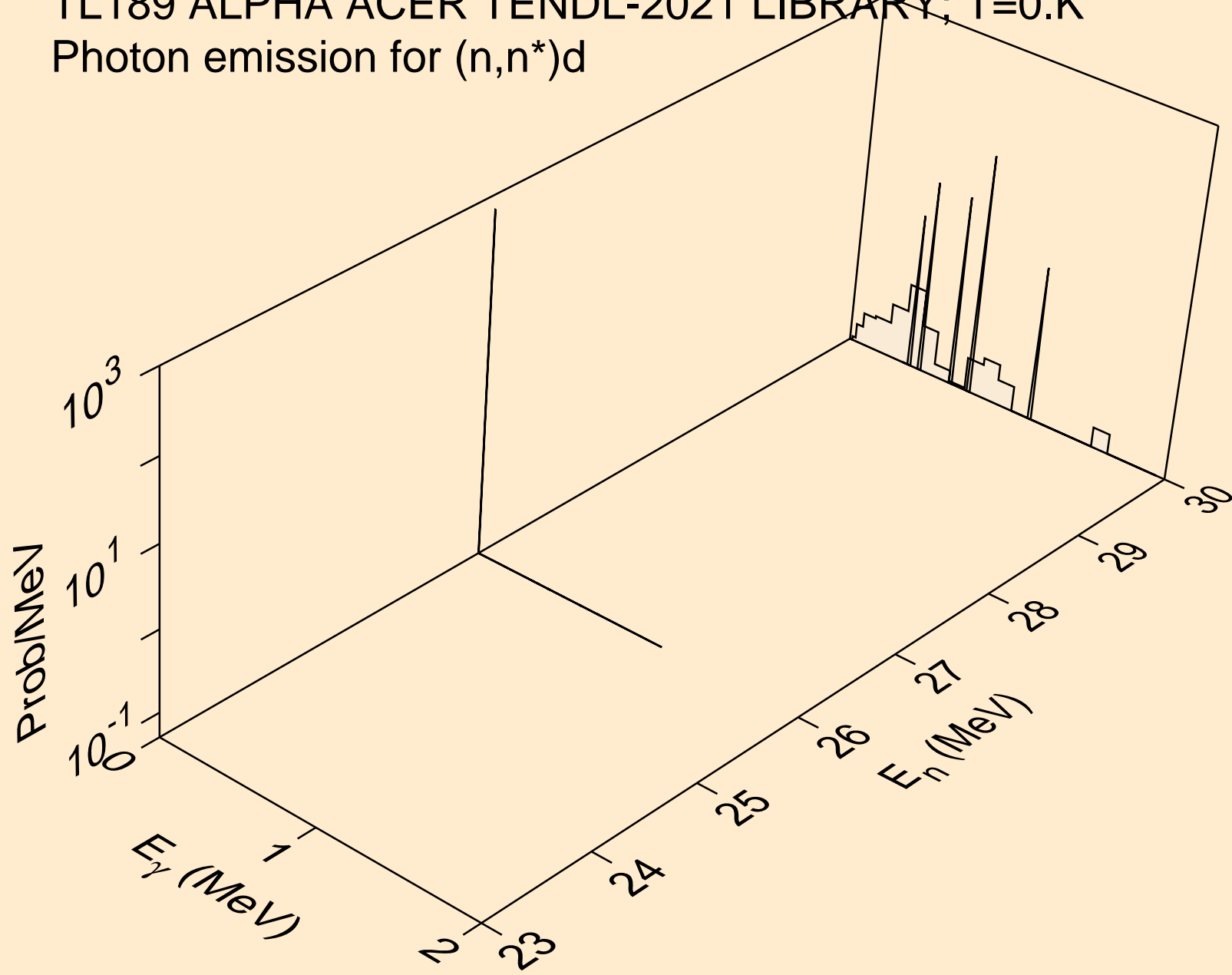
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)a



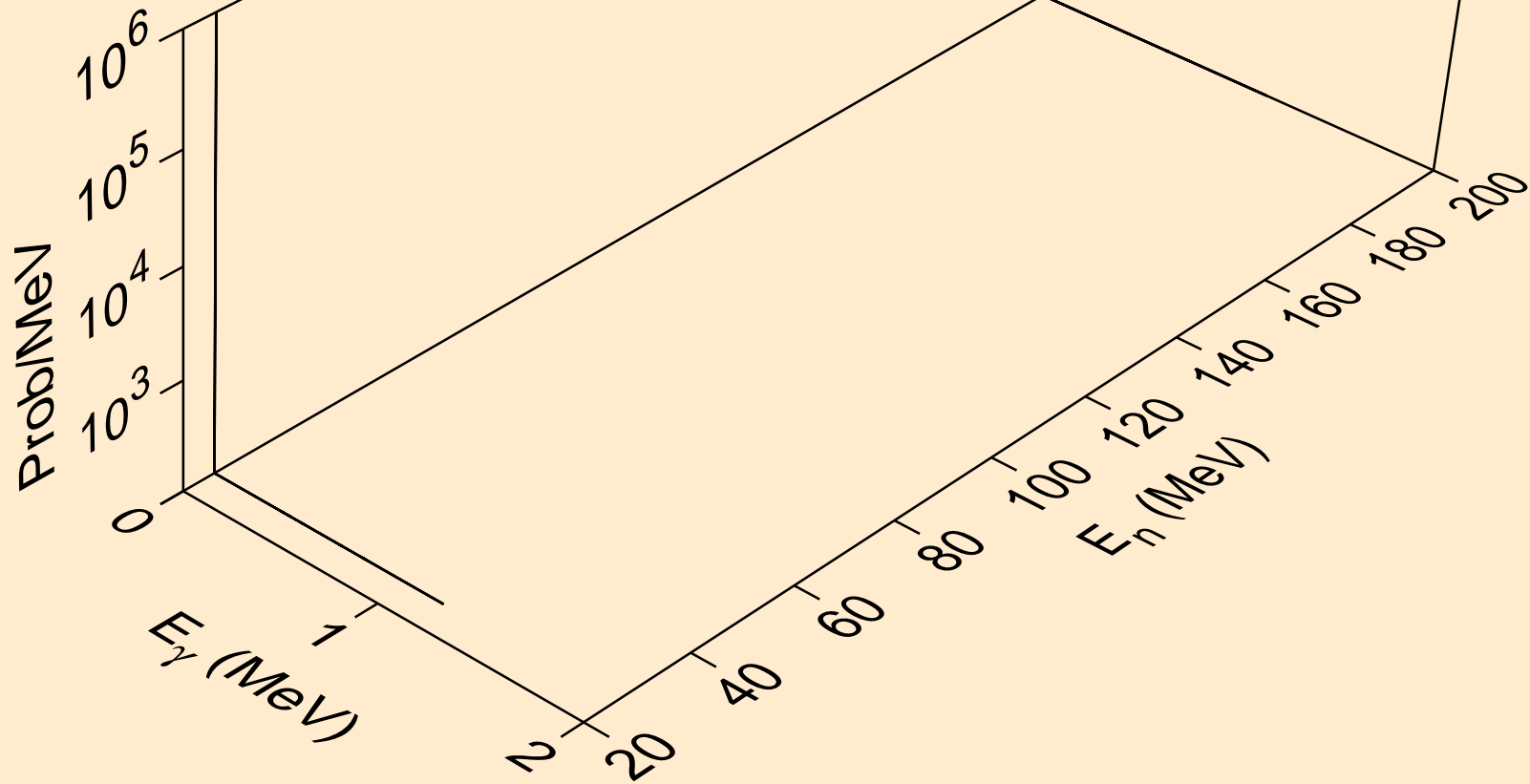
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



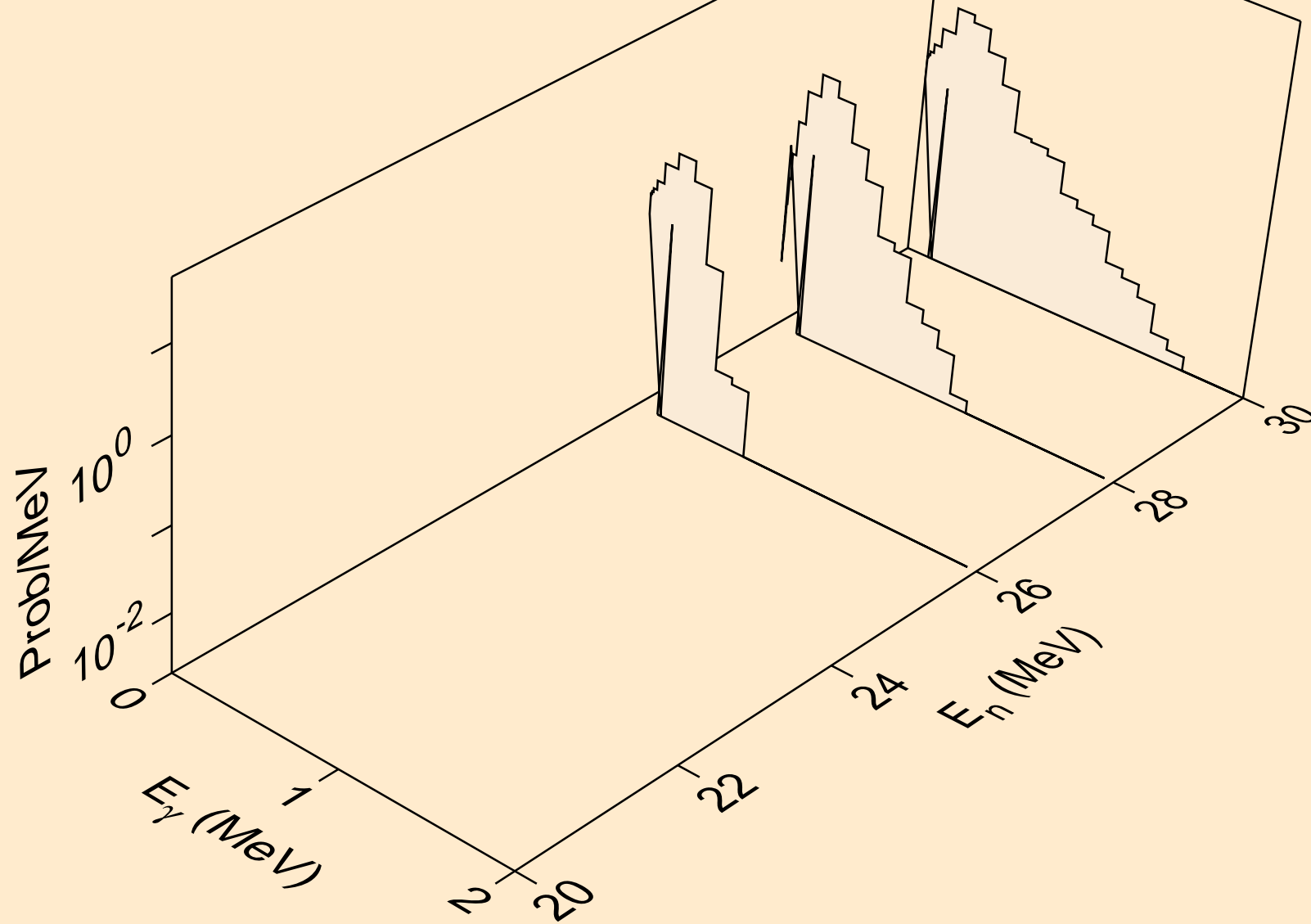
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



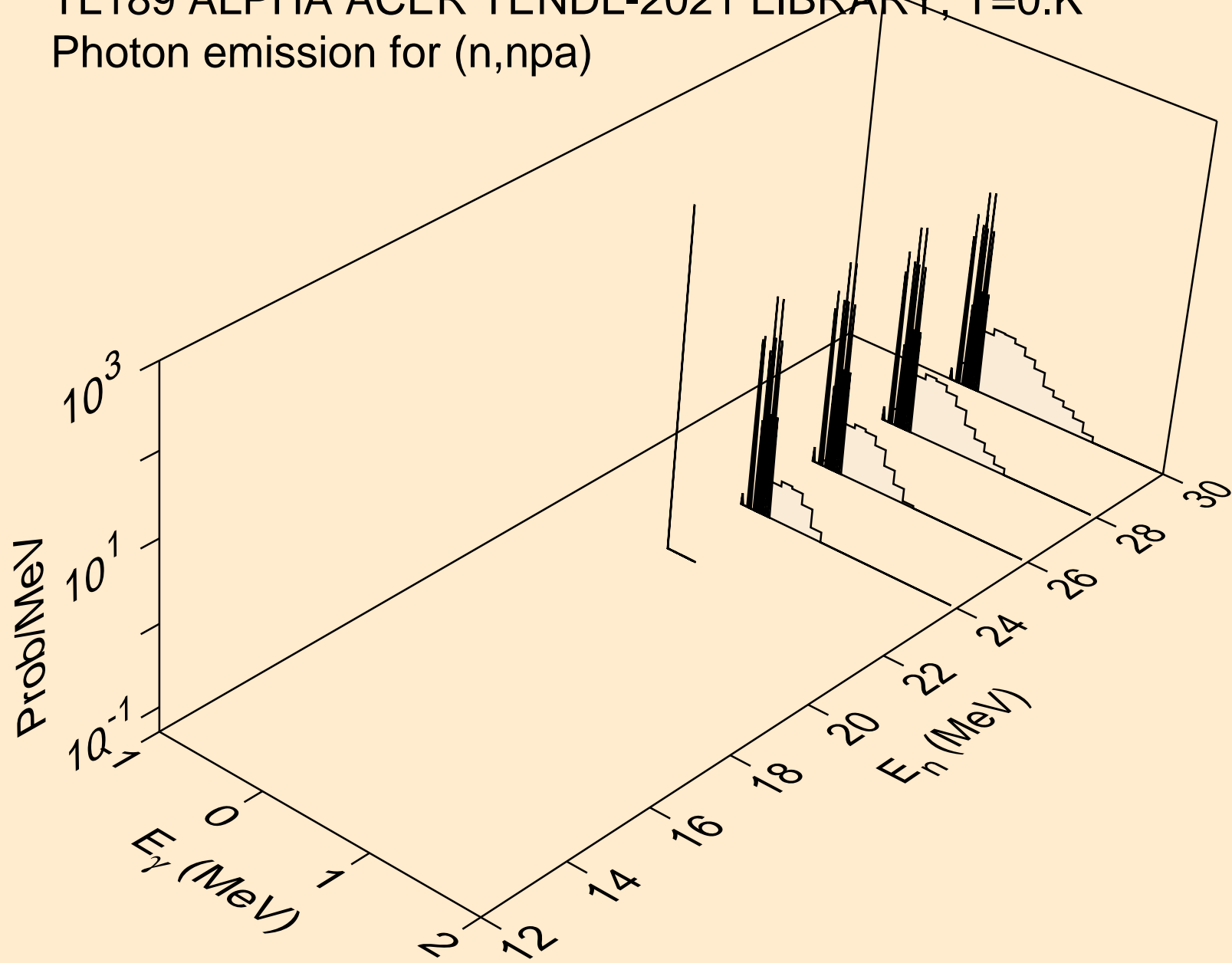
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Photon emission for (n,2np)



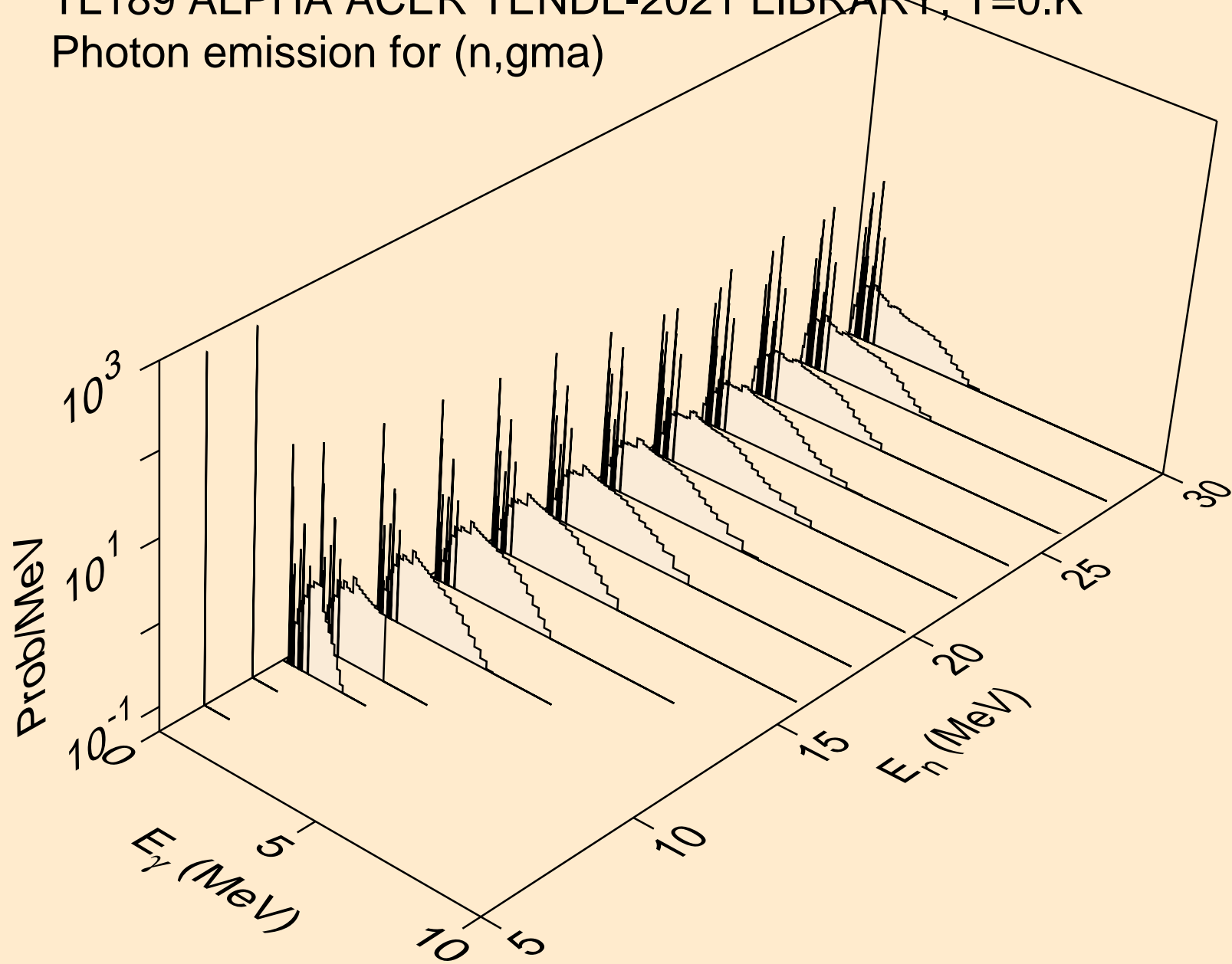
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Photon emission for (n,2np)



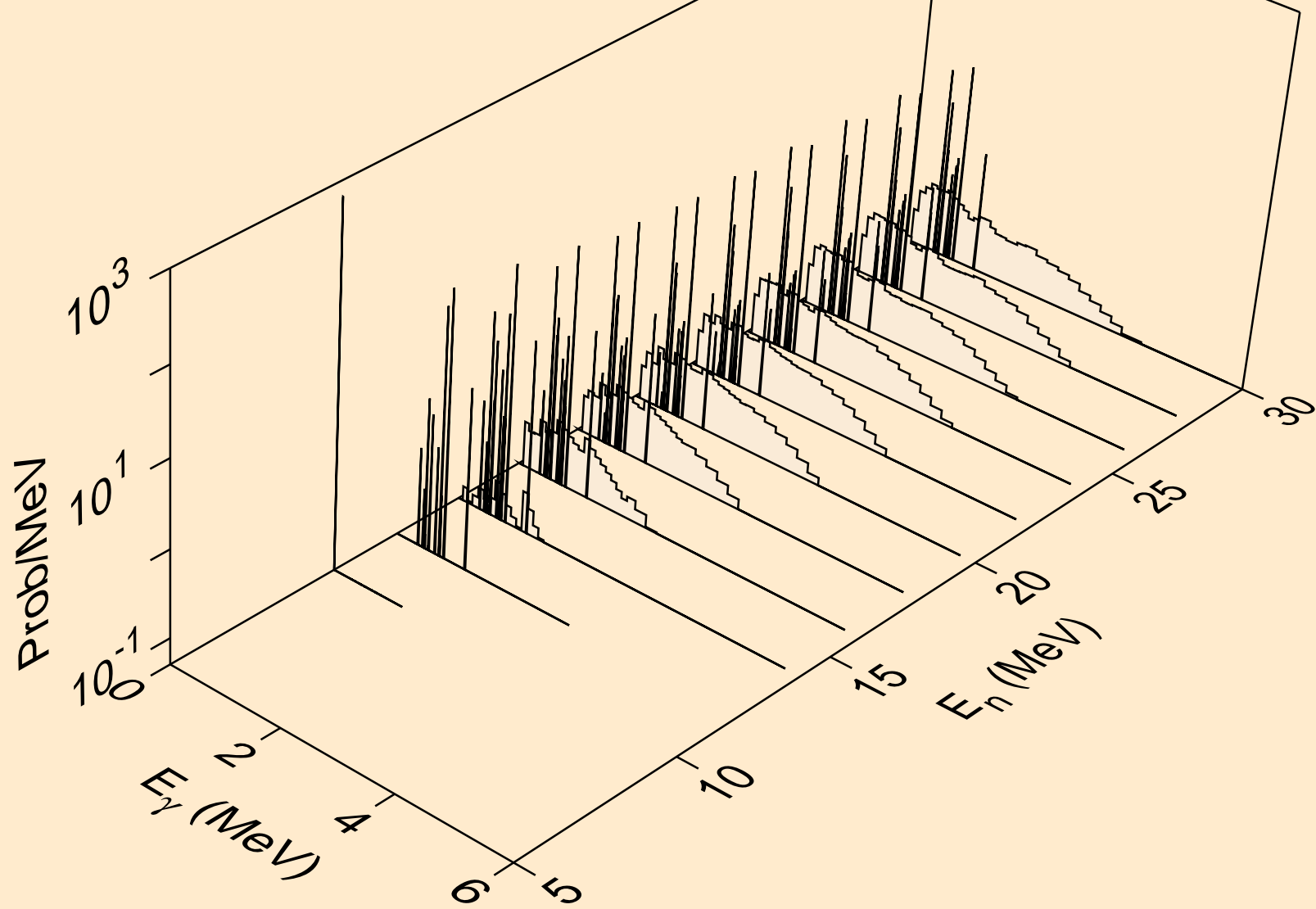
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Photon emission for (n,npa)



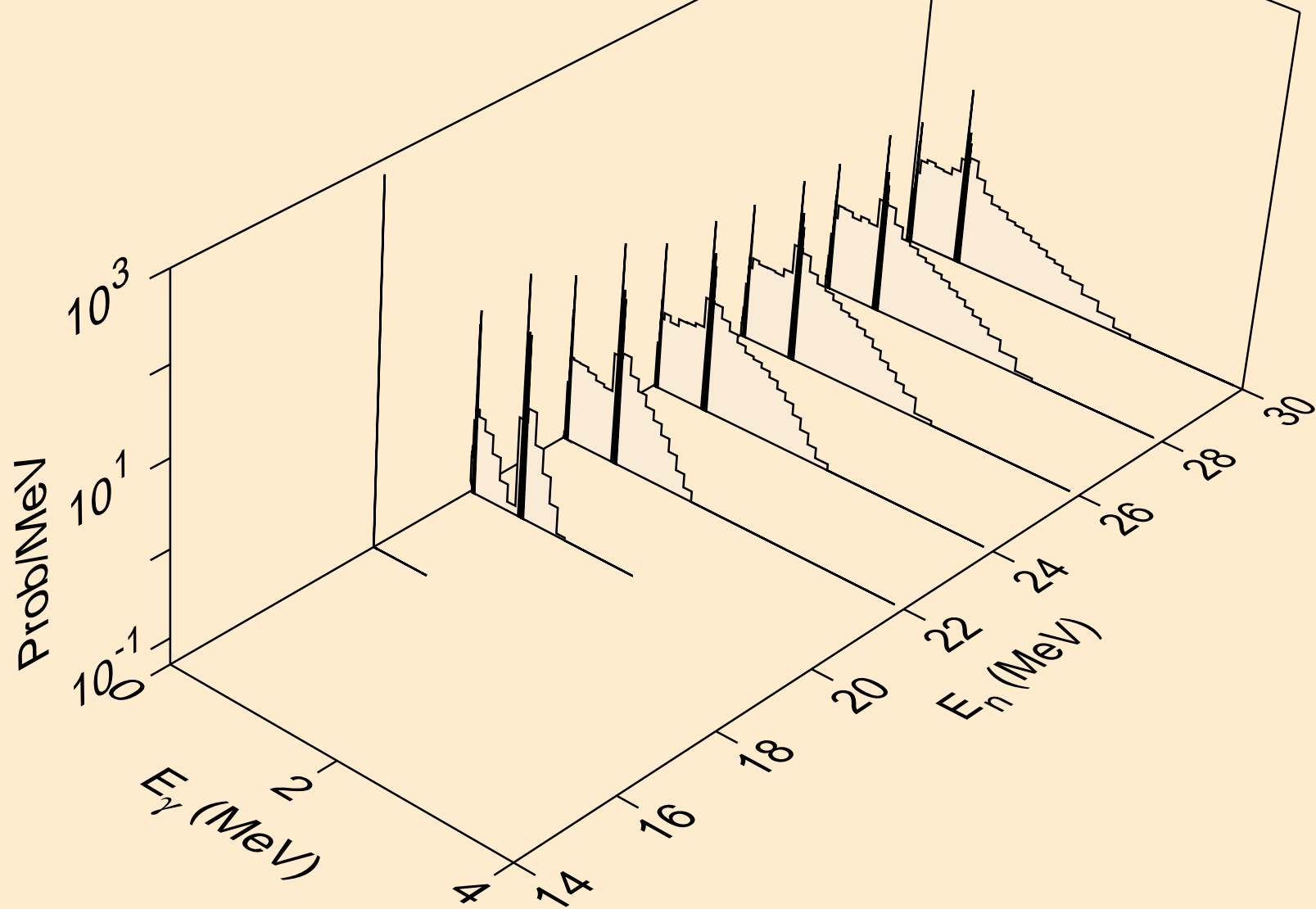
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,gma)



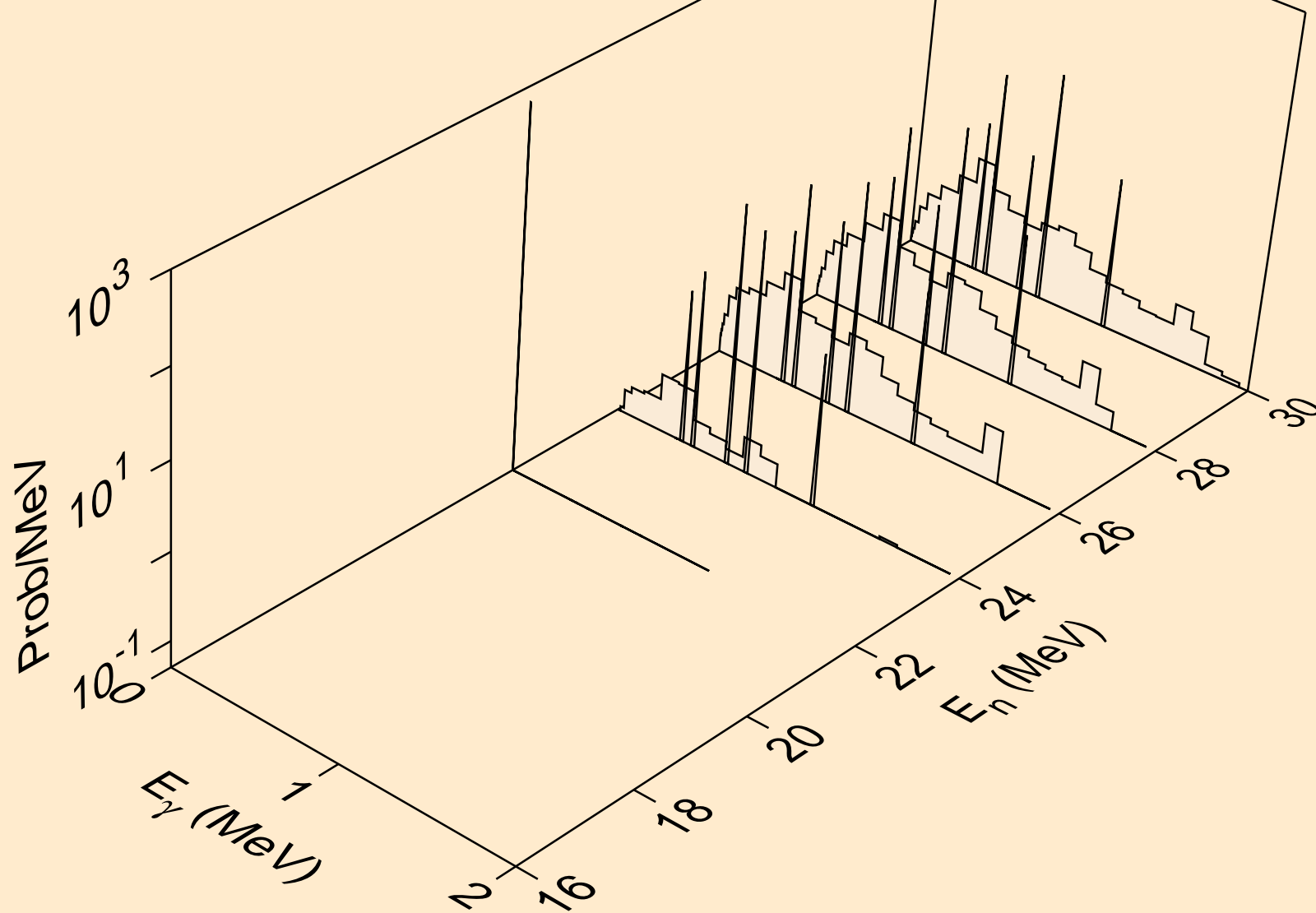
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,p)



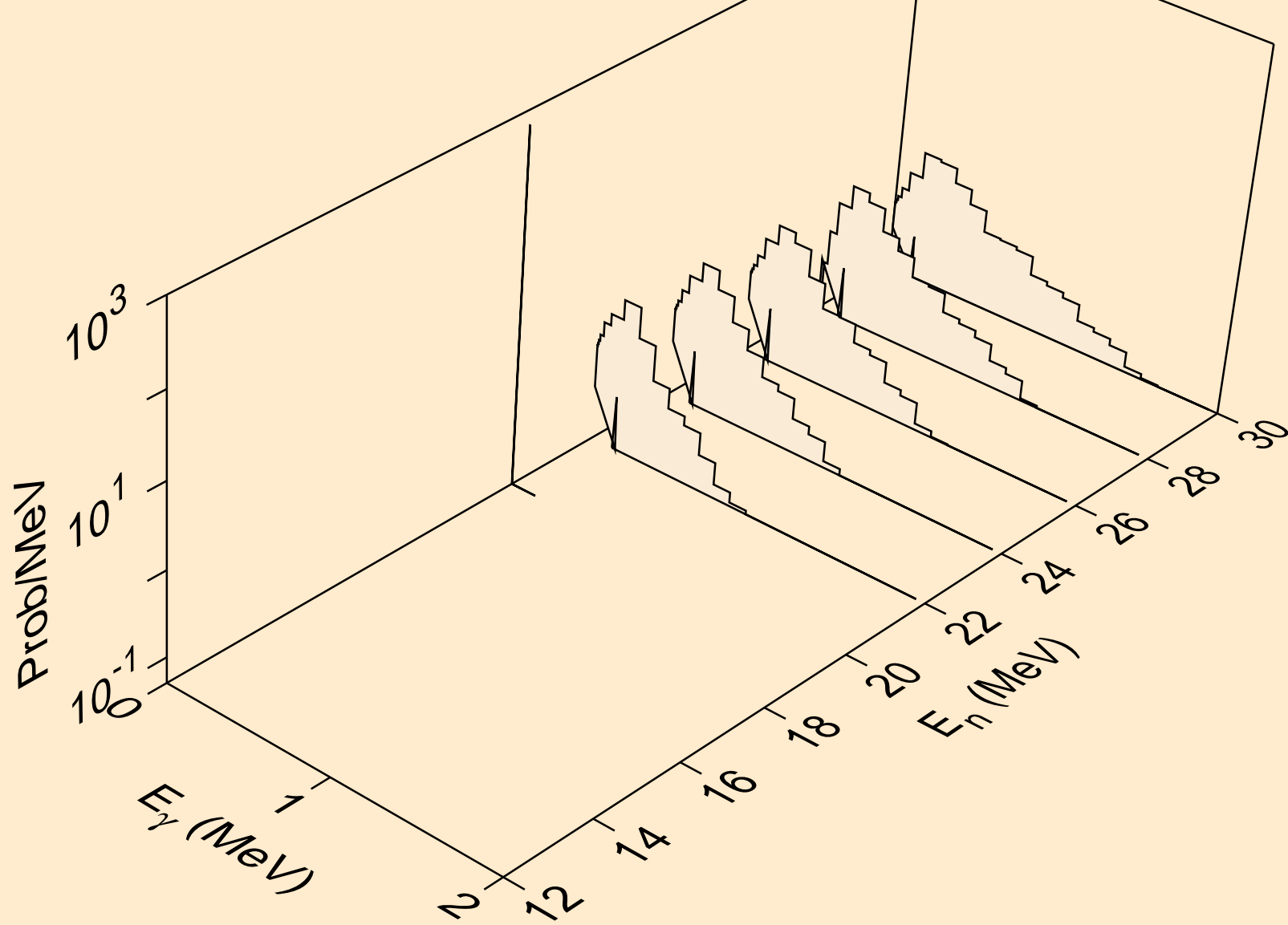
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,d)



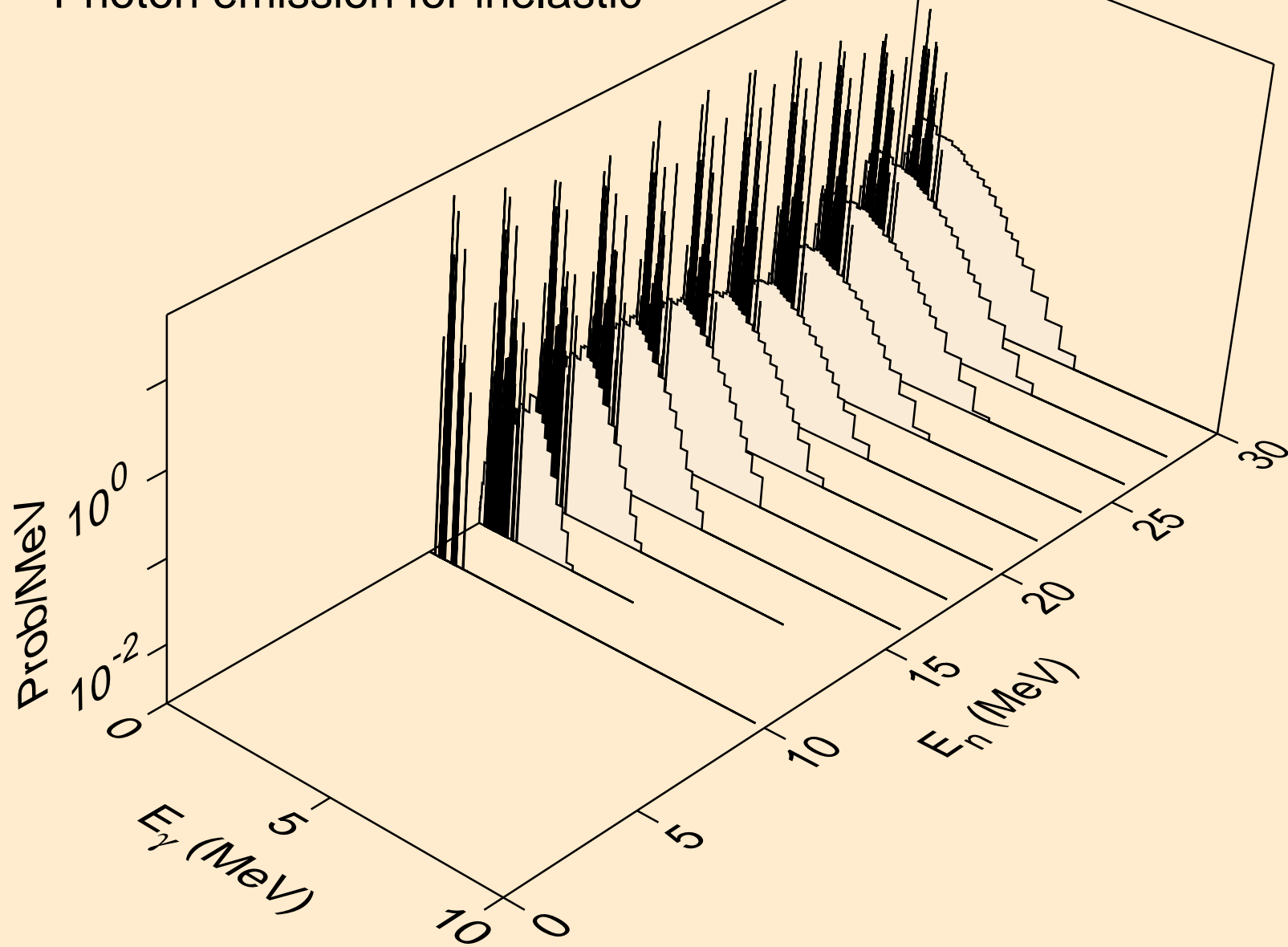
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,t)



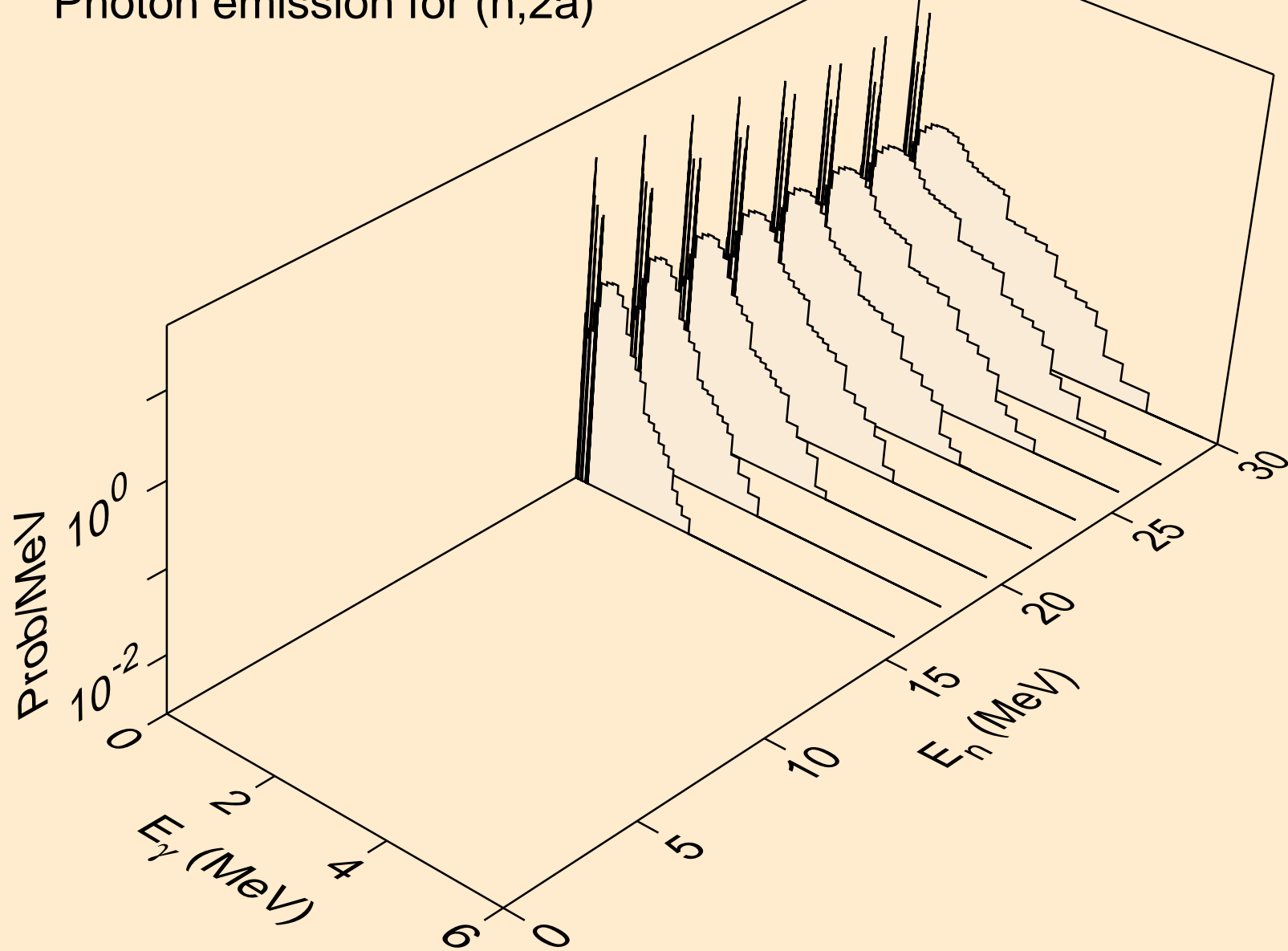
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,he3)



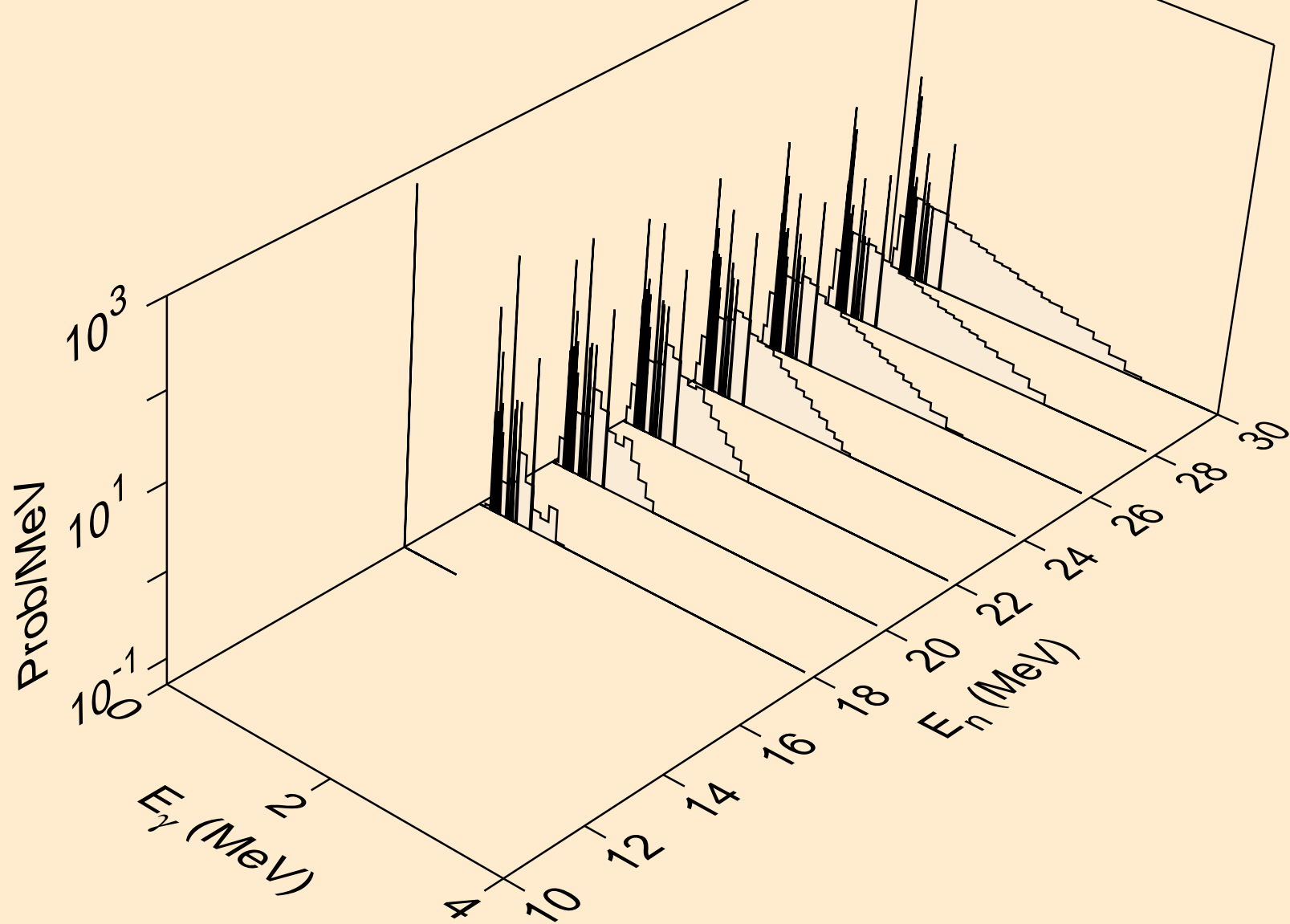
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic



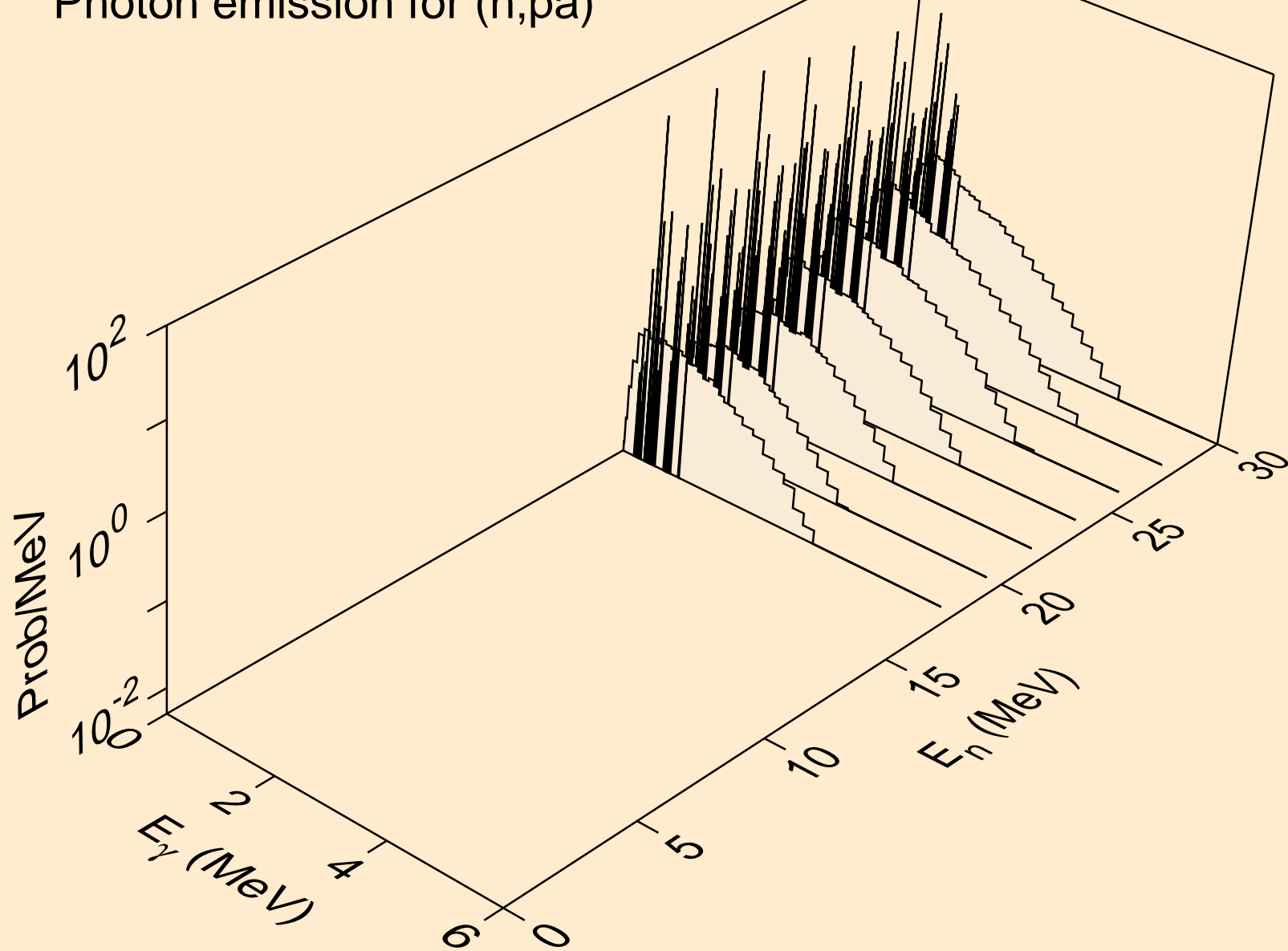
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2a)



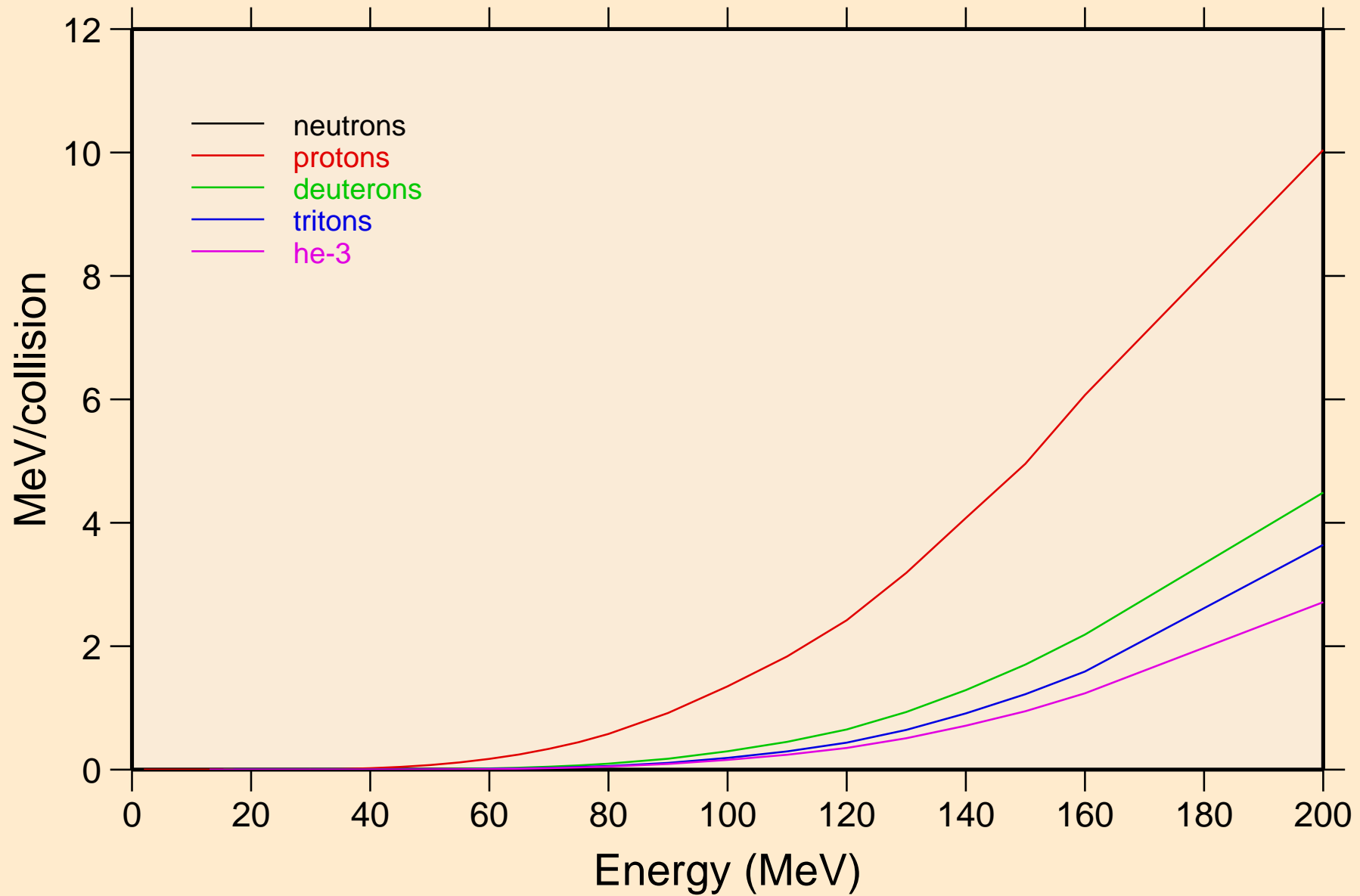
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Photon emission for (n,2p)



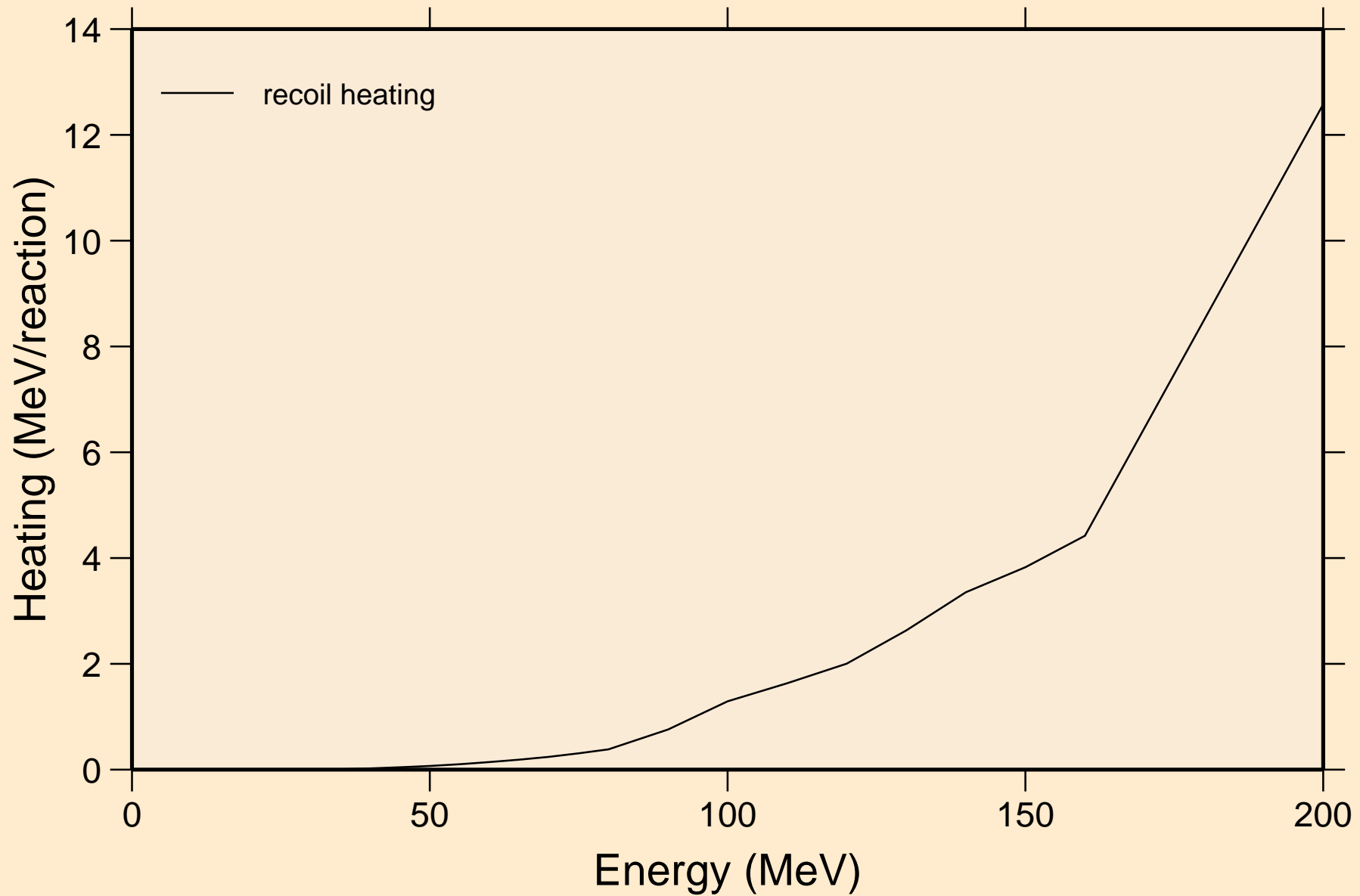
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pa)



TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Particle heating contributions

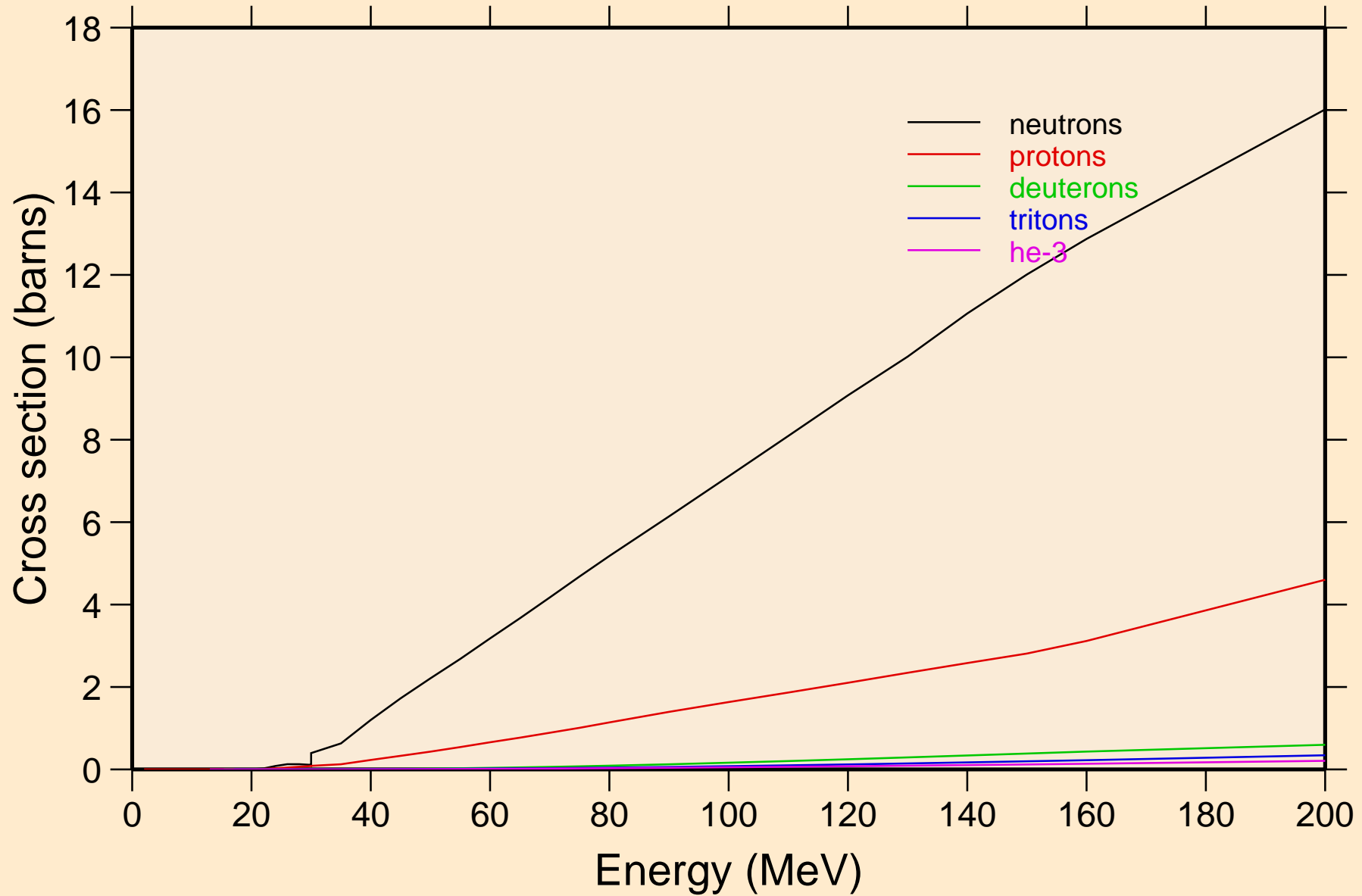


TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Recoil Heating

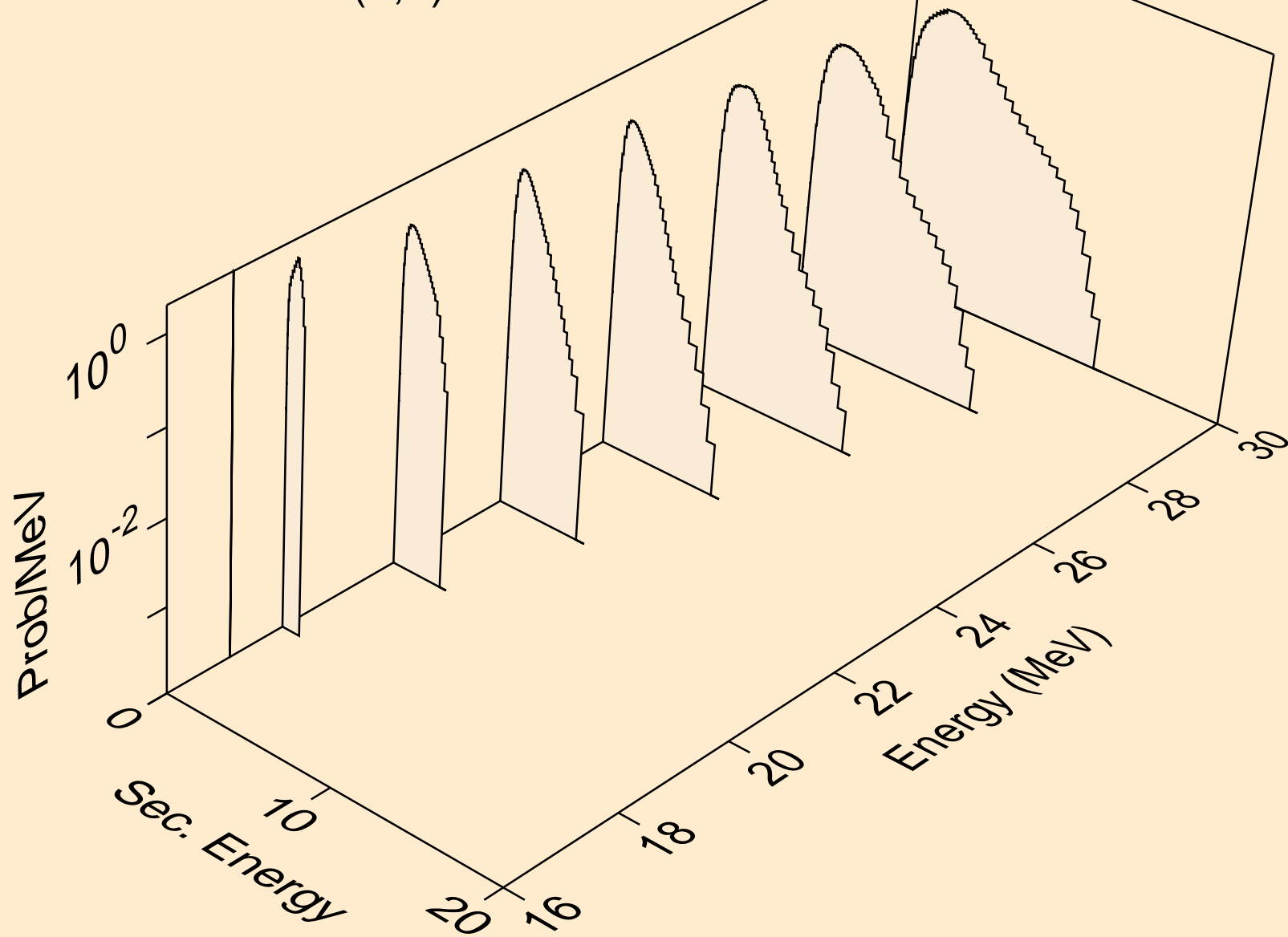


# TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

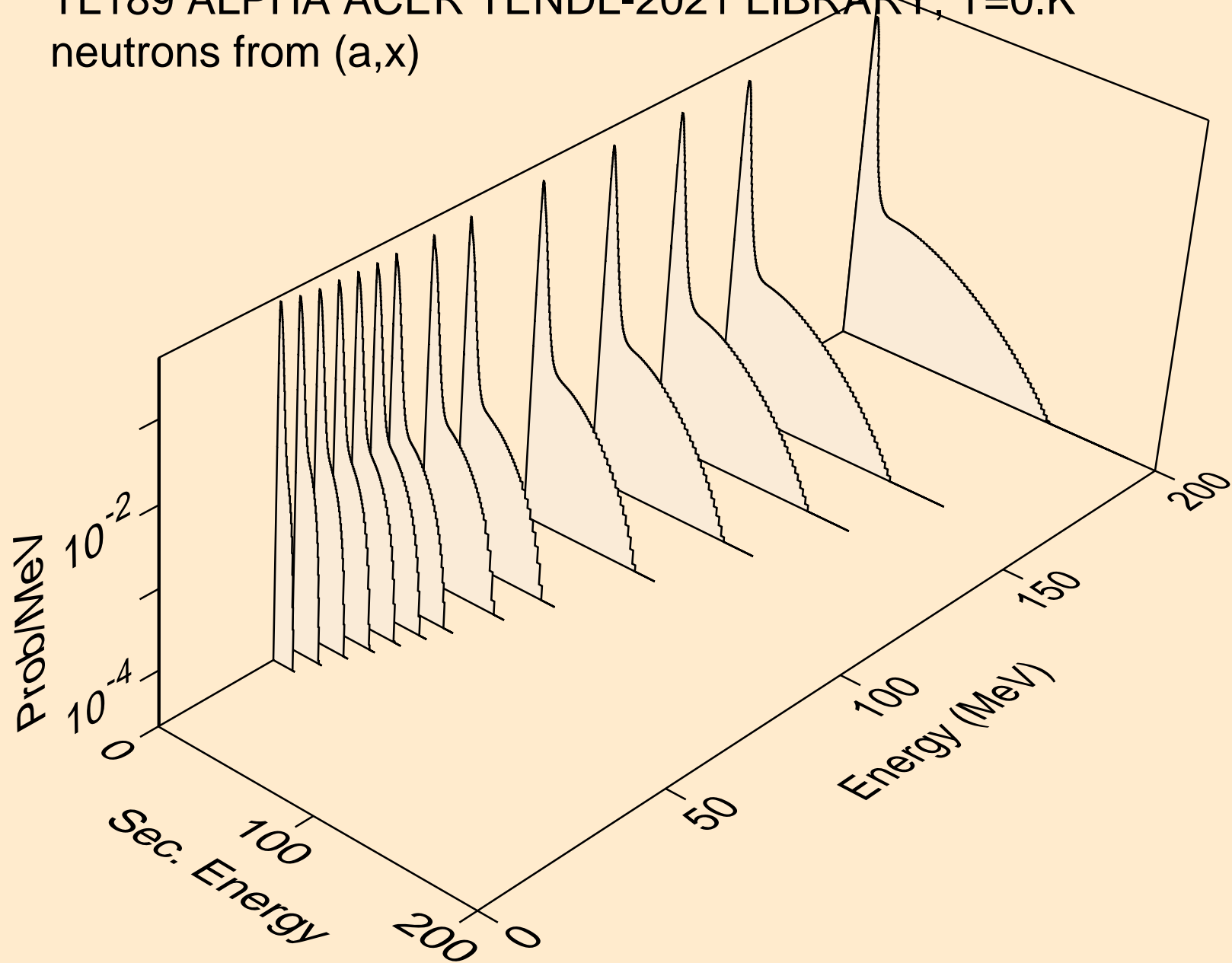
## Particle production cross sections



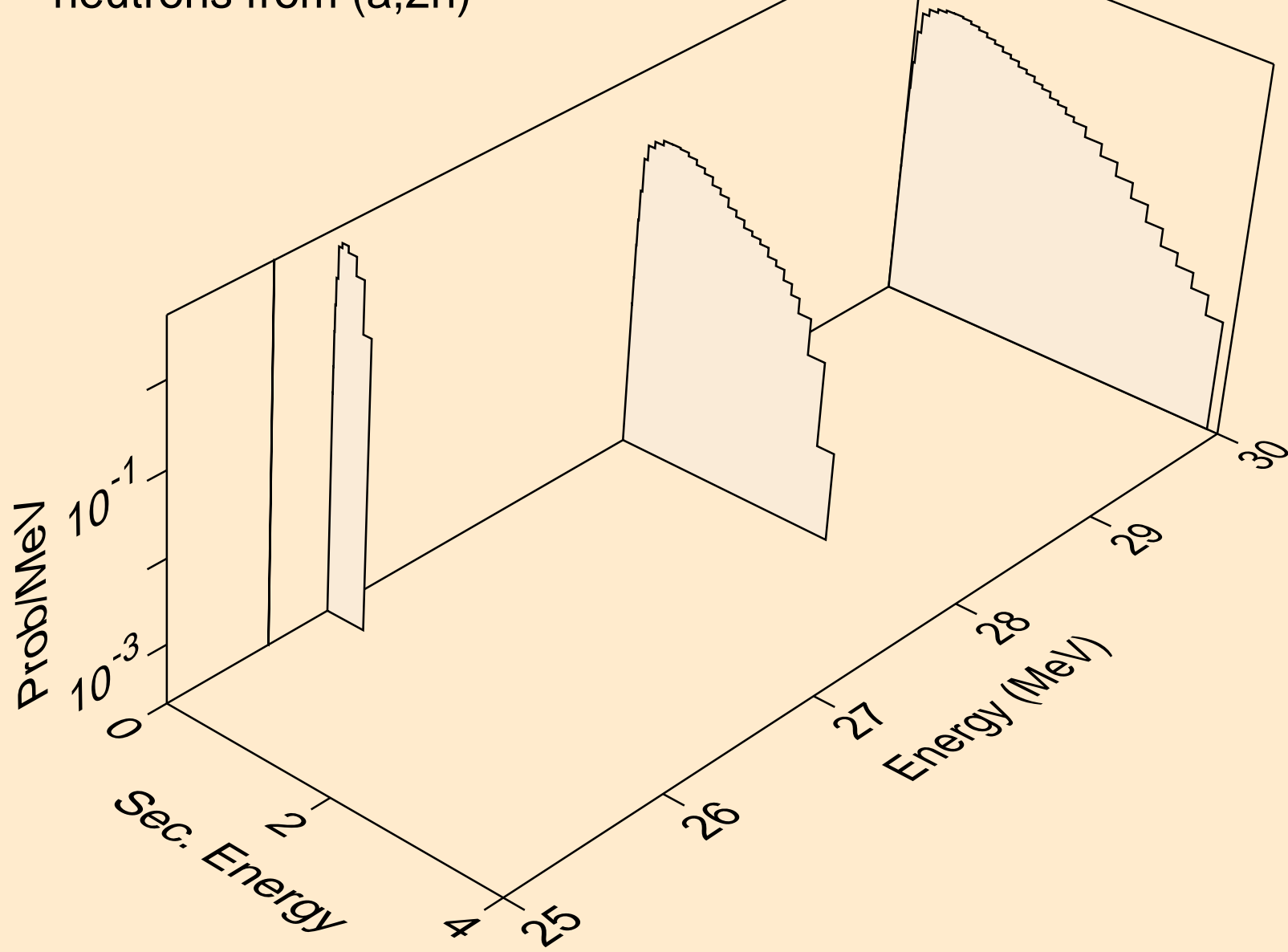
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n)



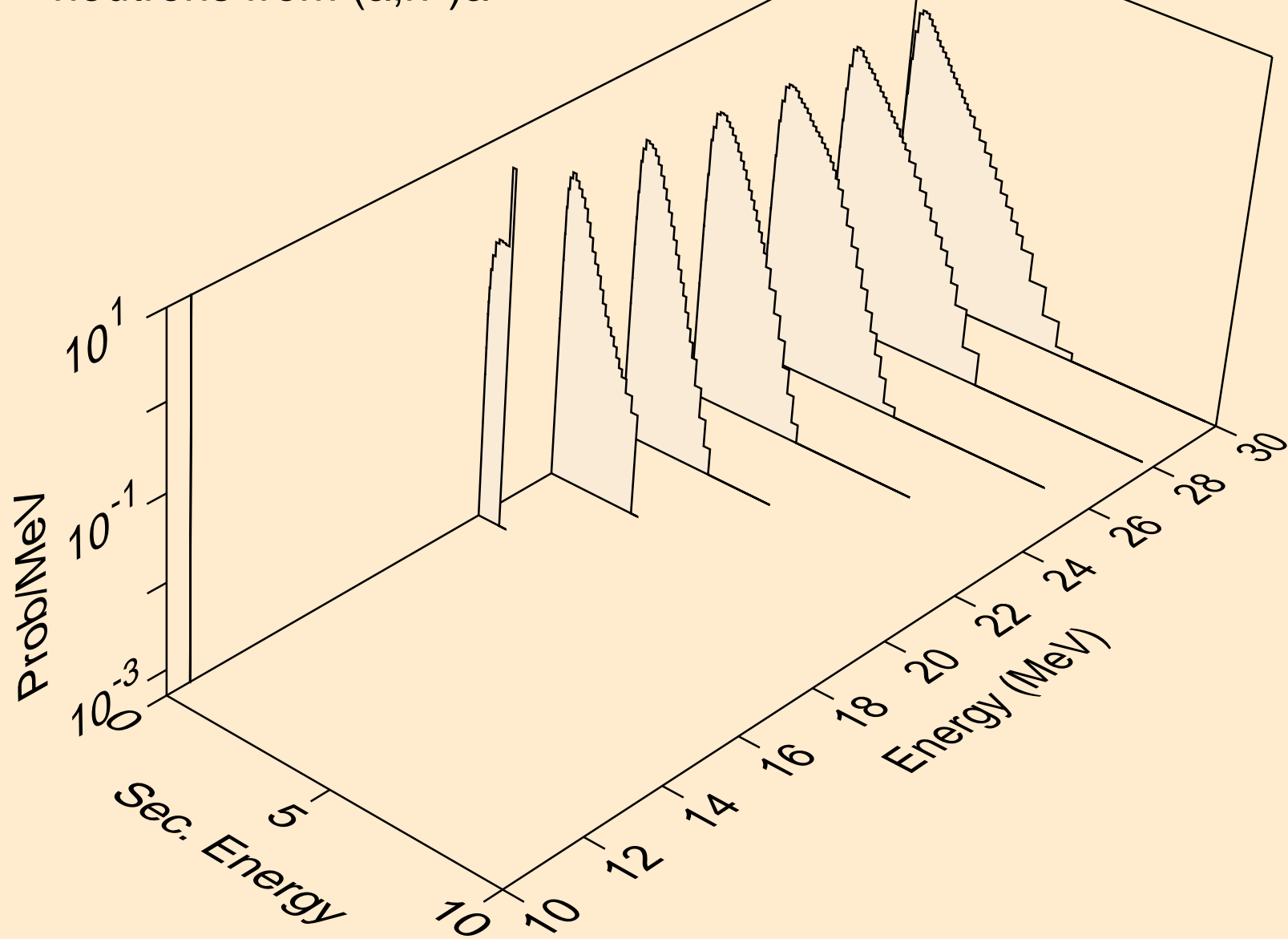
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,x)



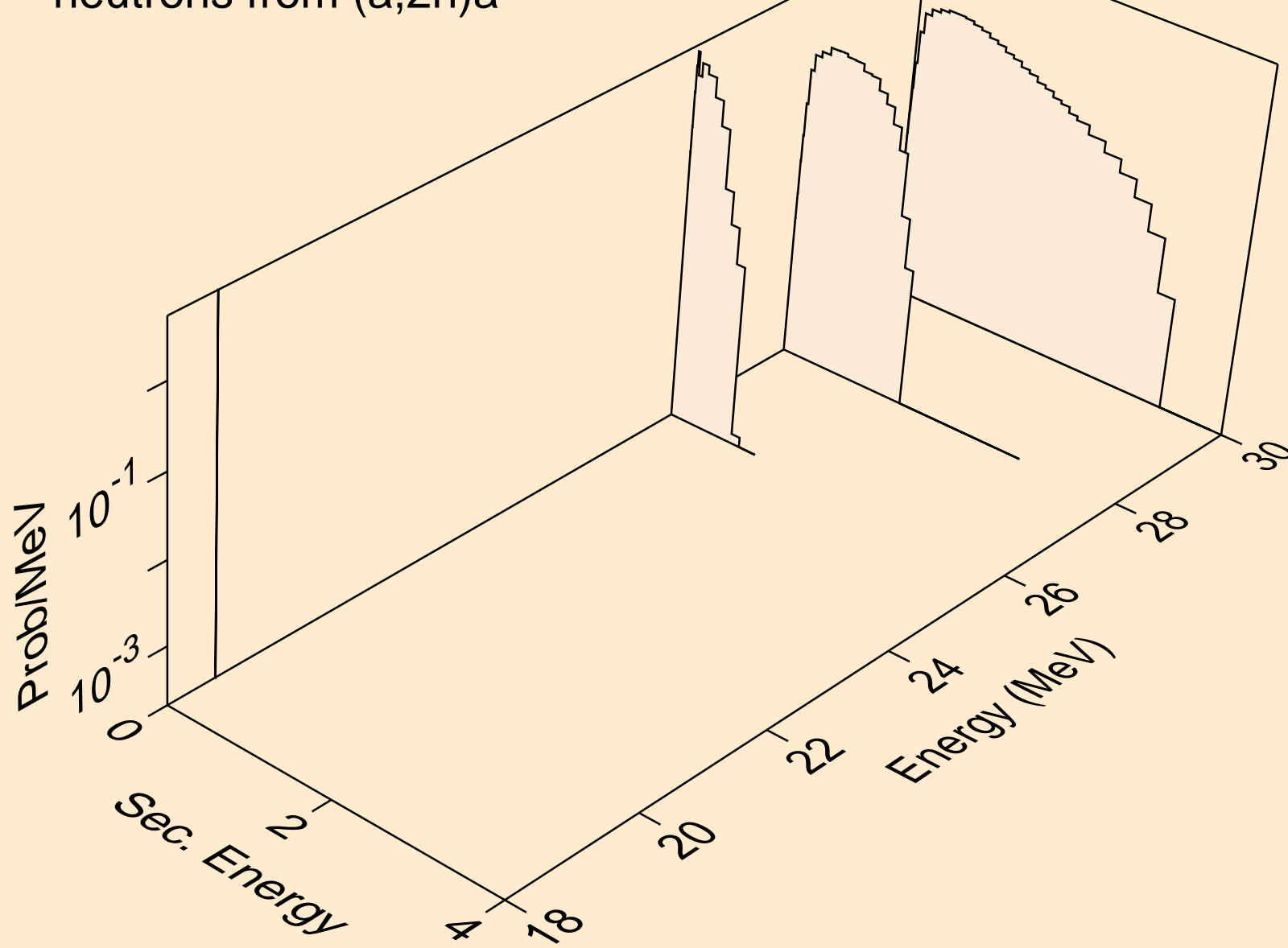
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neutrons from (a,2n)



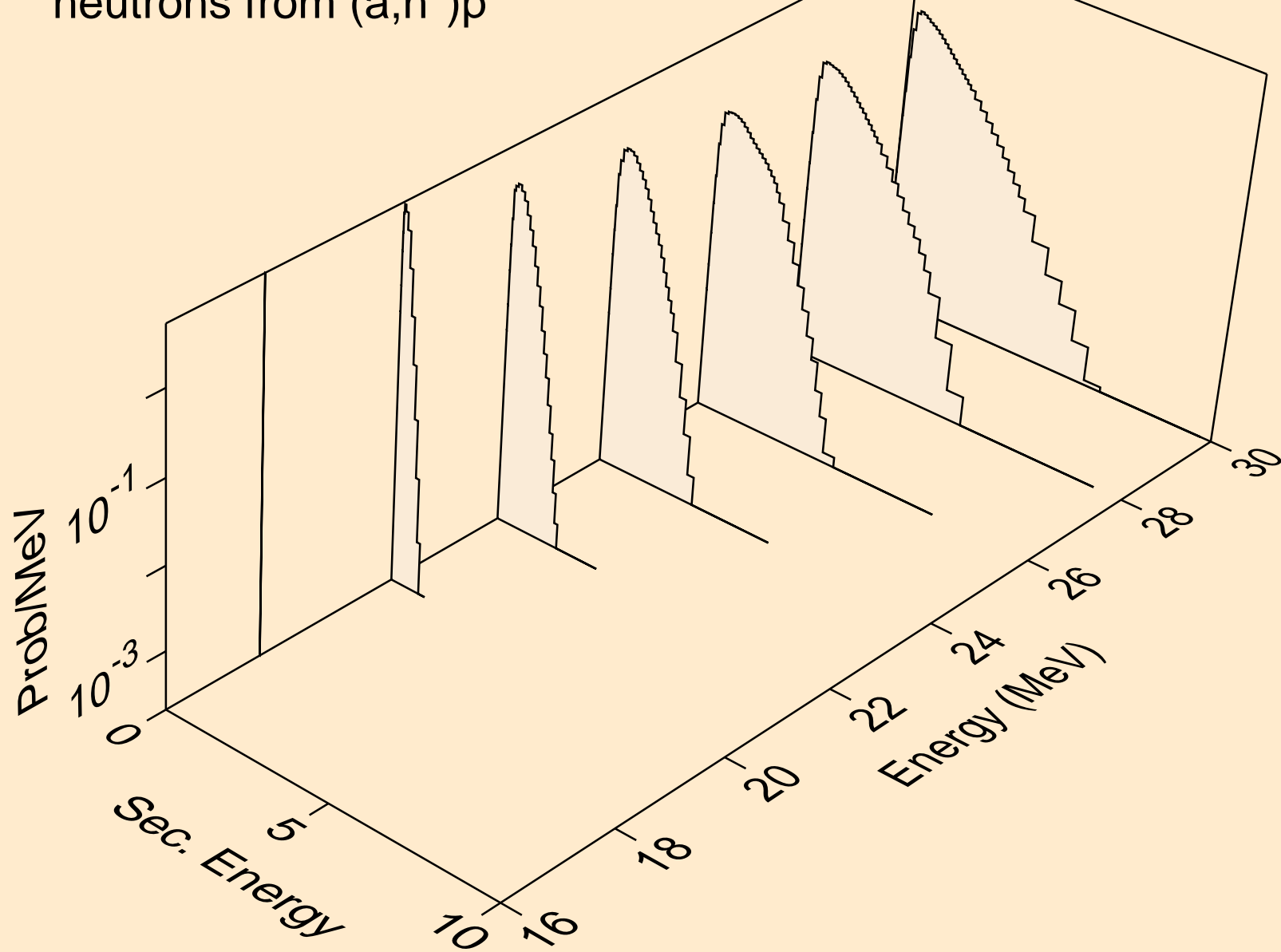
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)a



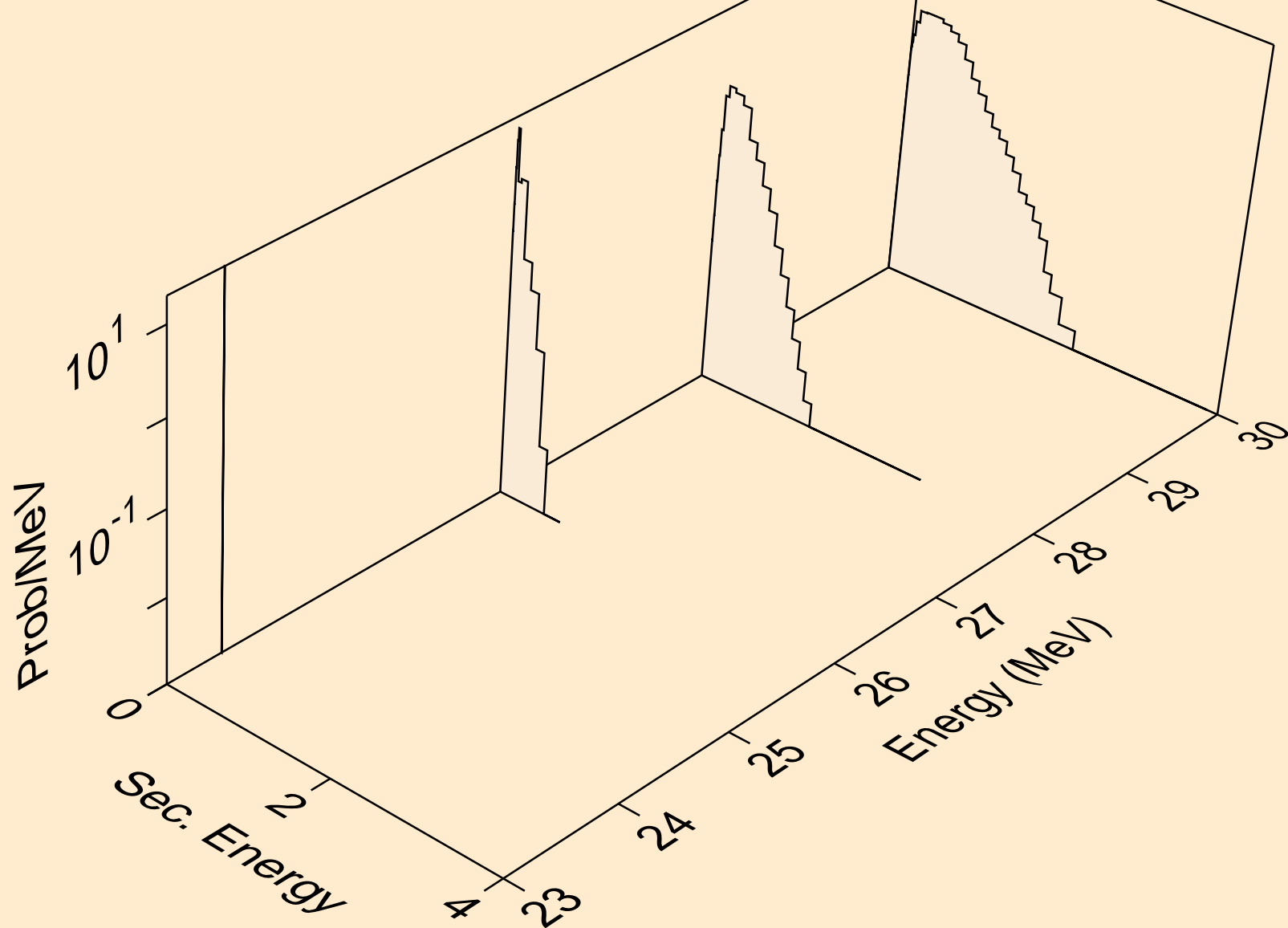
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,2n)a



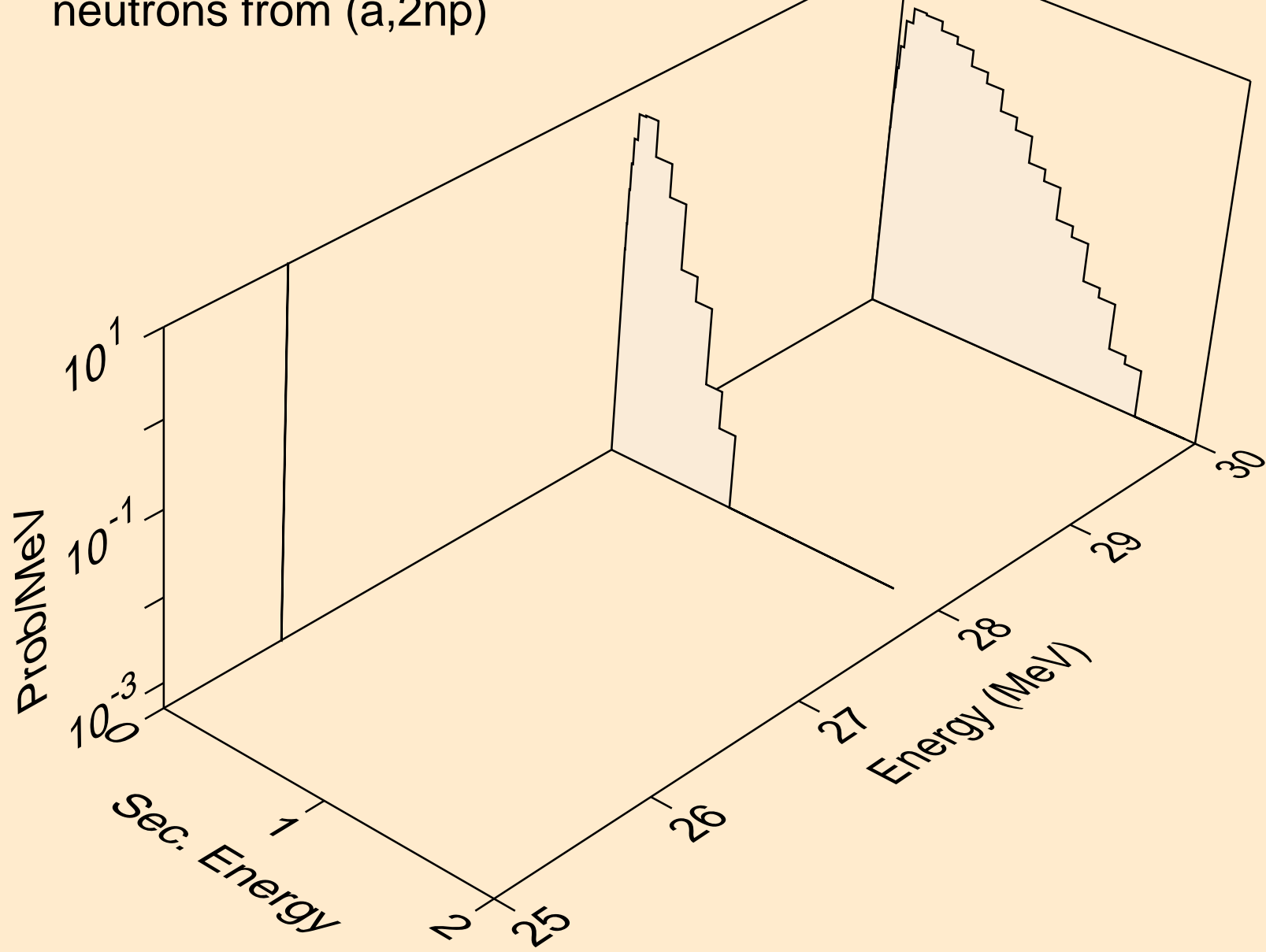
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)p



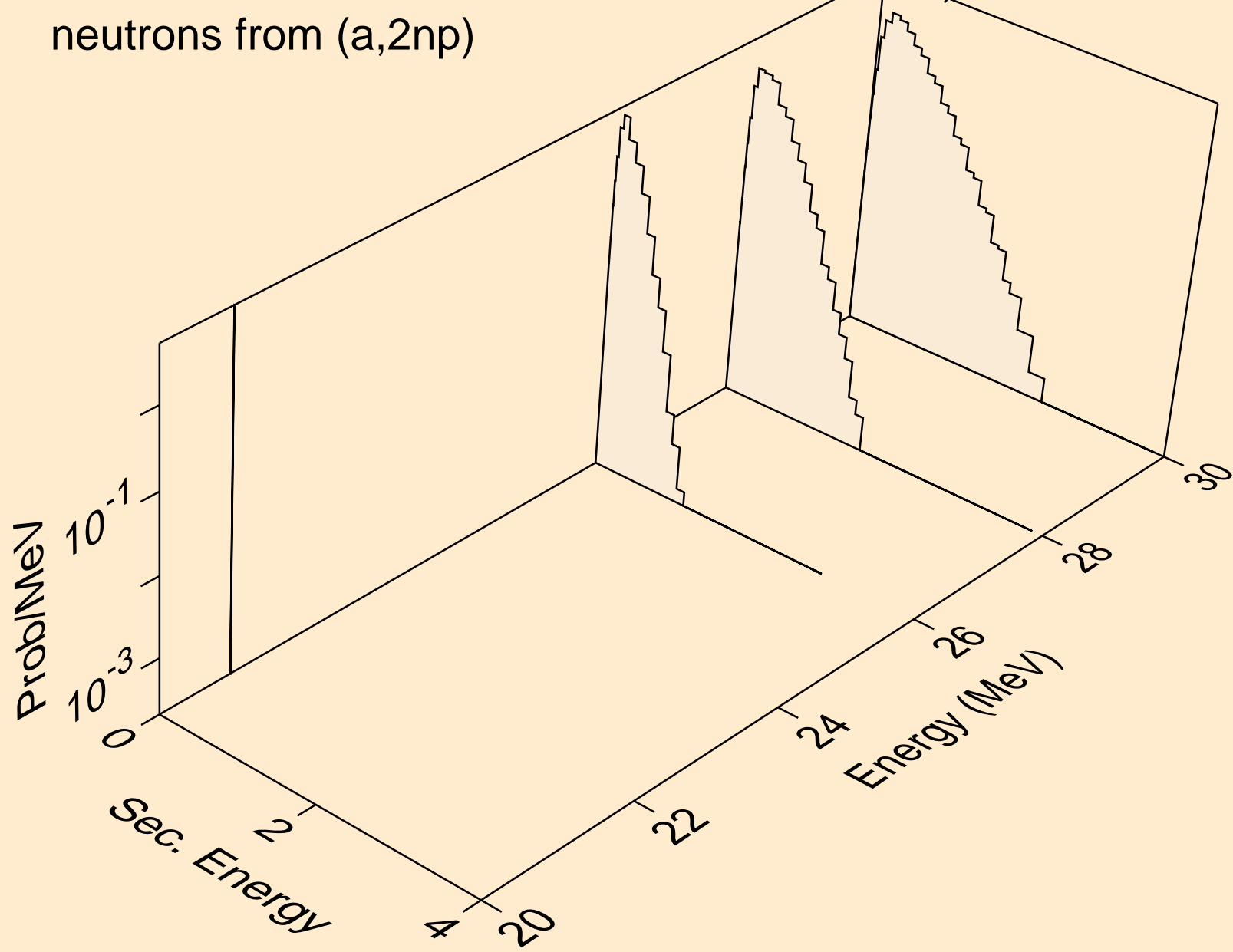
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)d



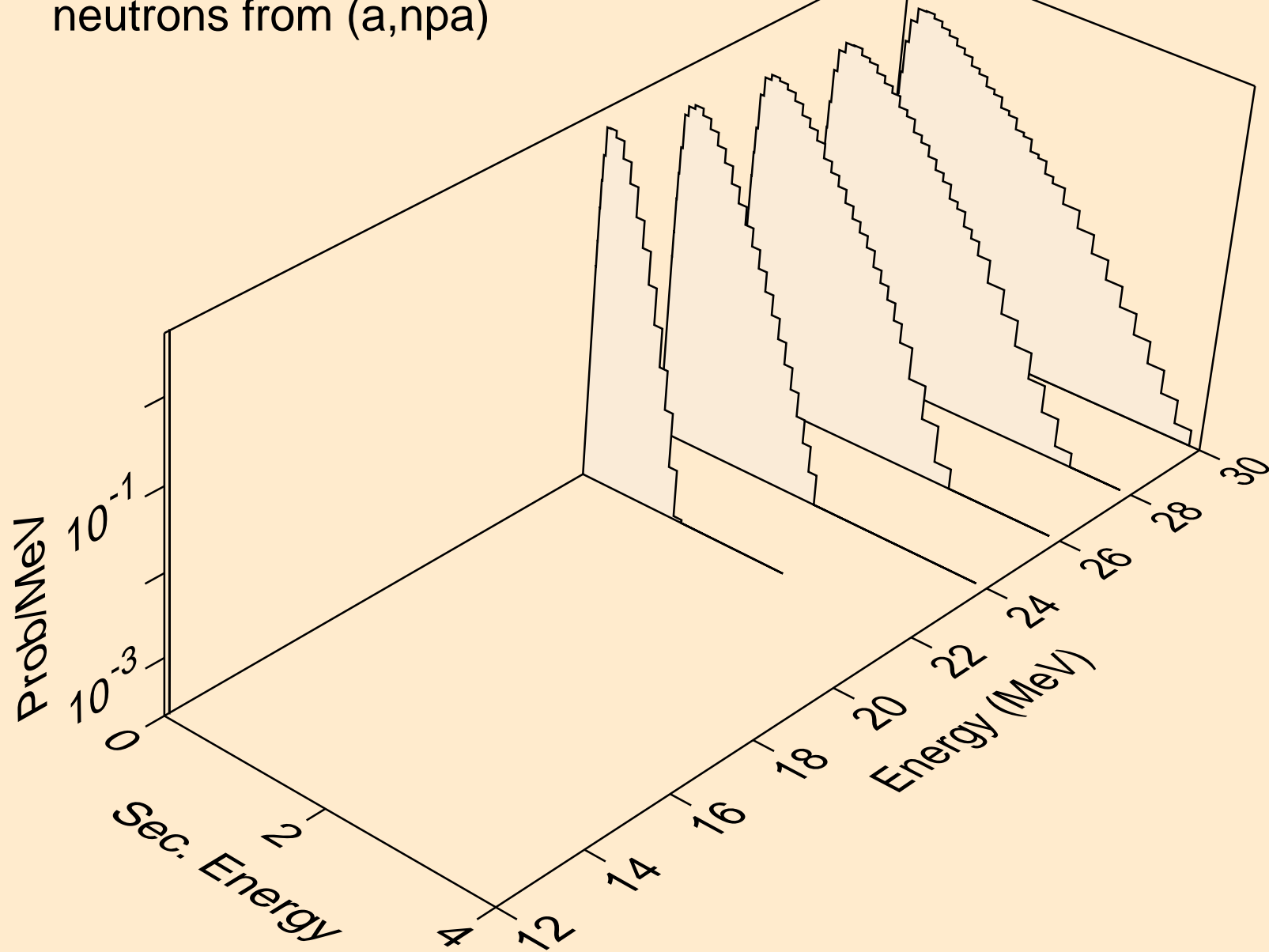
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neutrons from (a,2np)



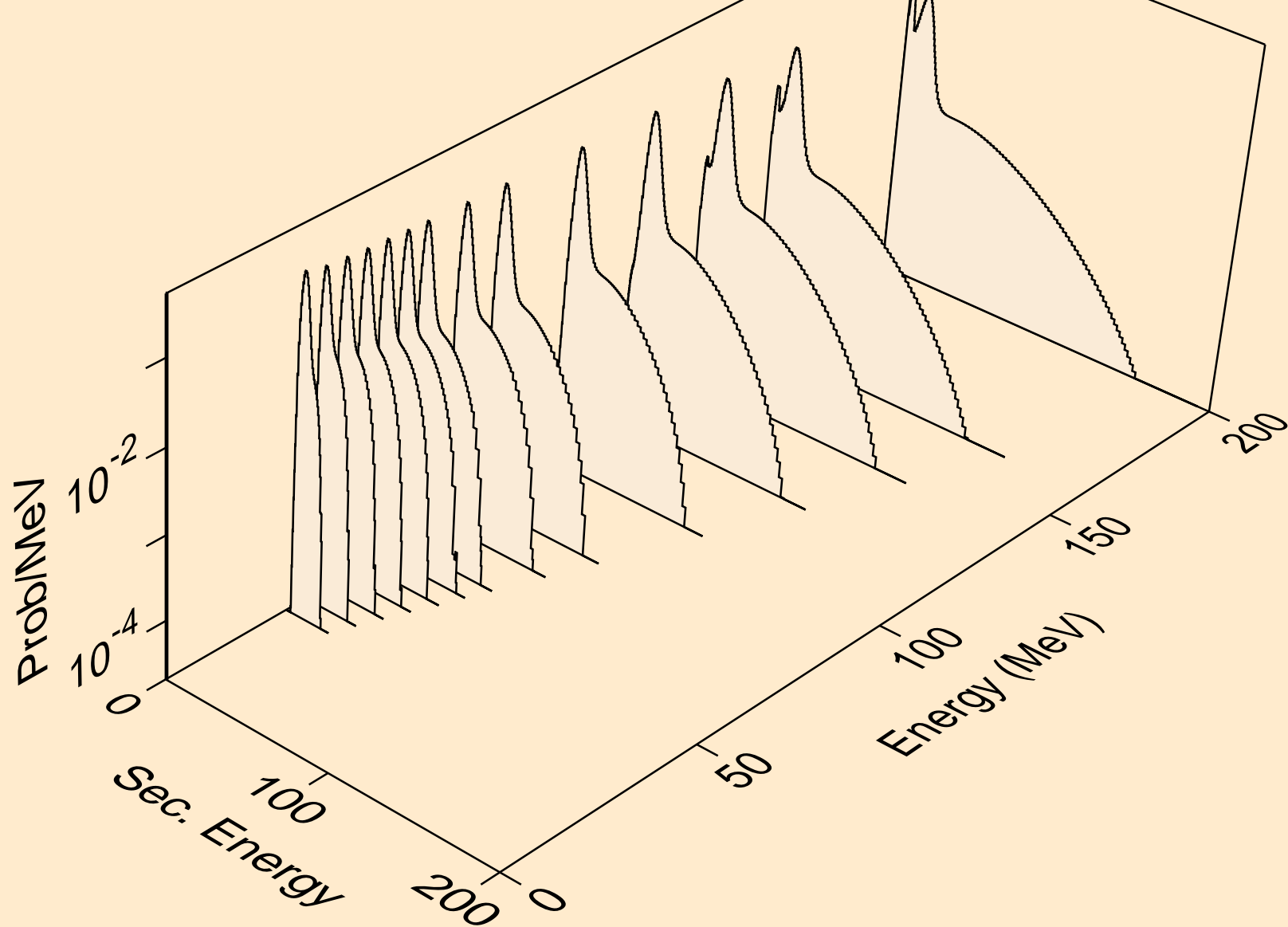
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neutrons from (a,2np)



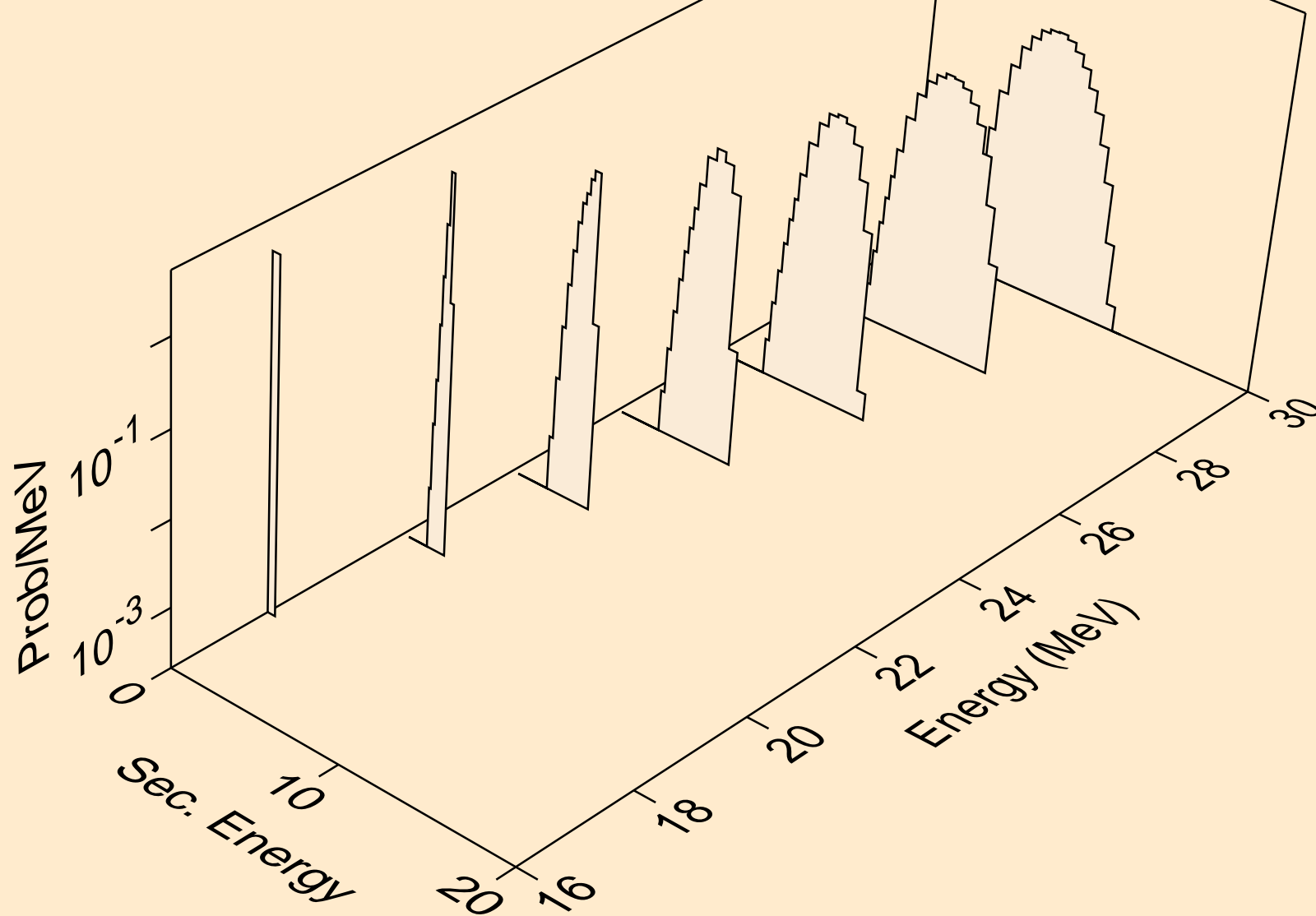
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,npa)



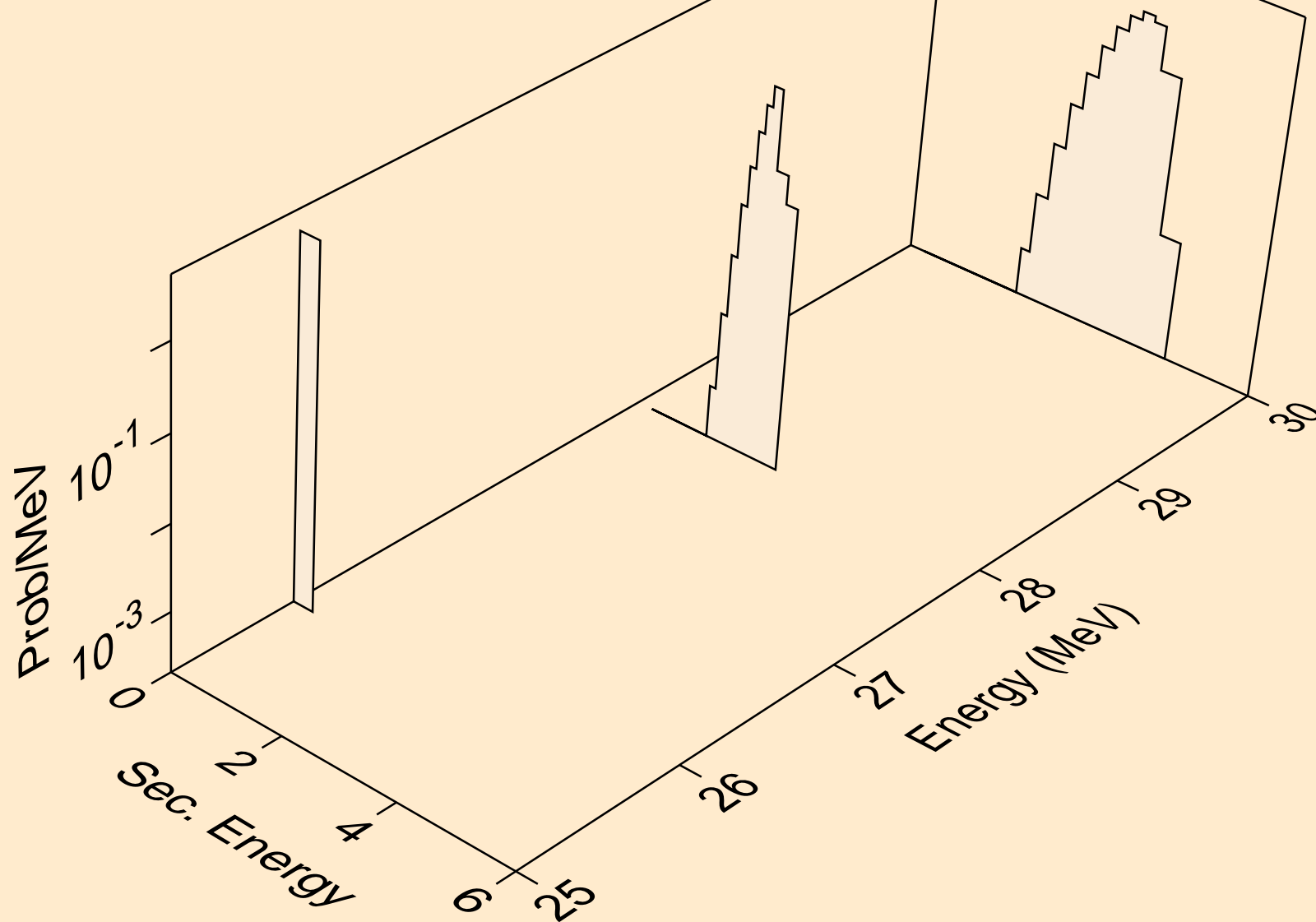
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,x)



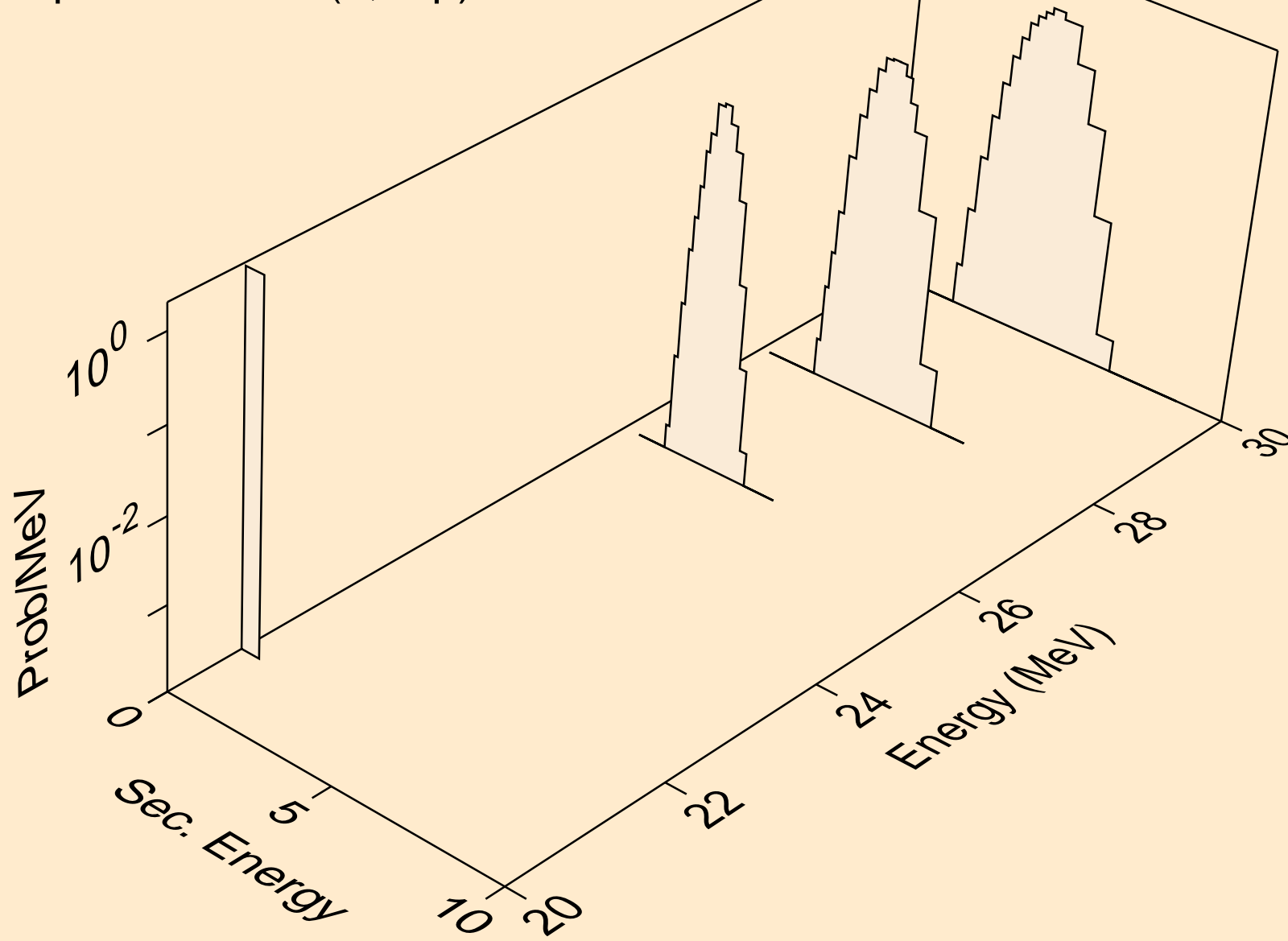
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,n\*)p



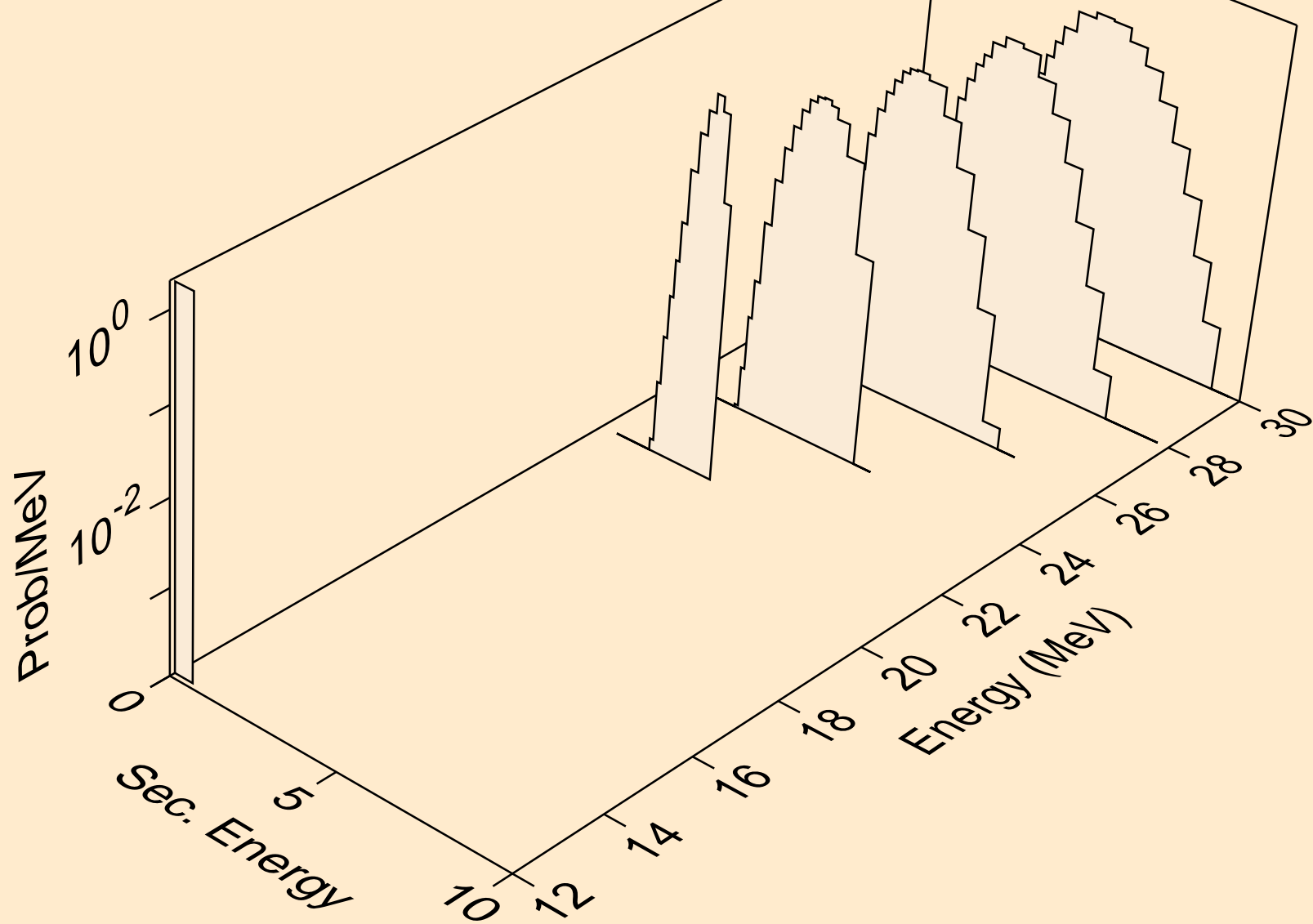
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,2np)



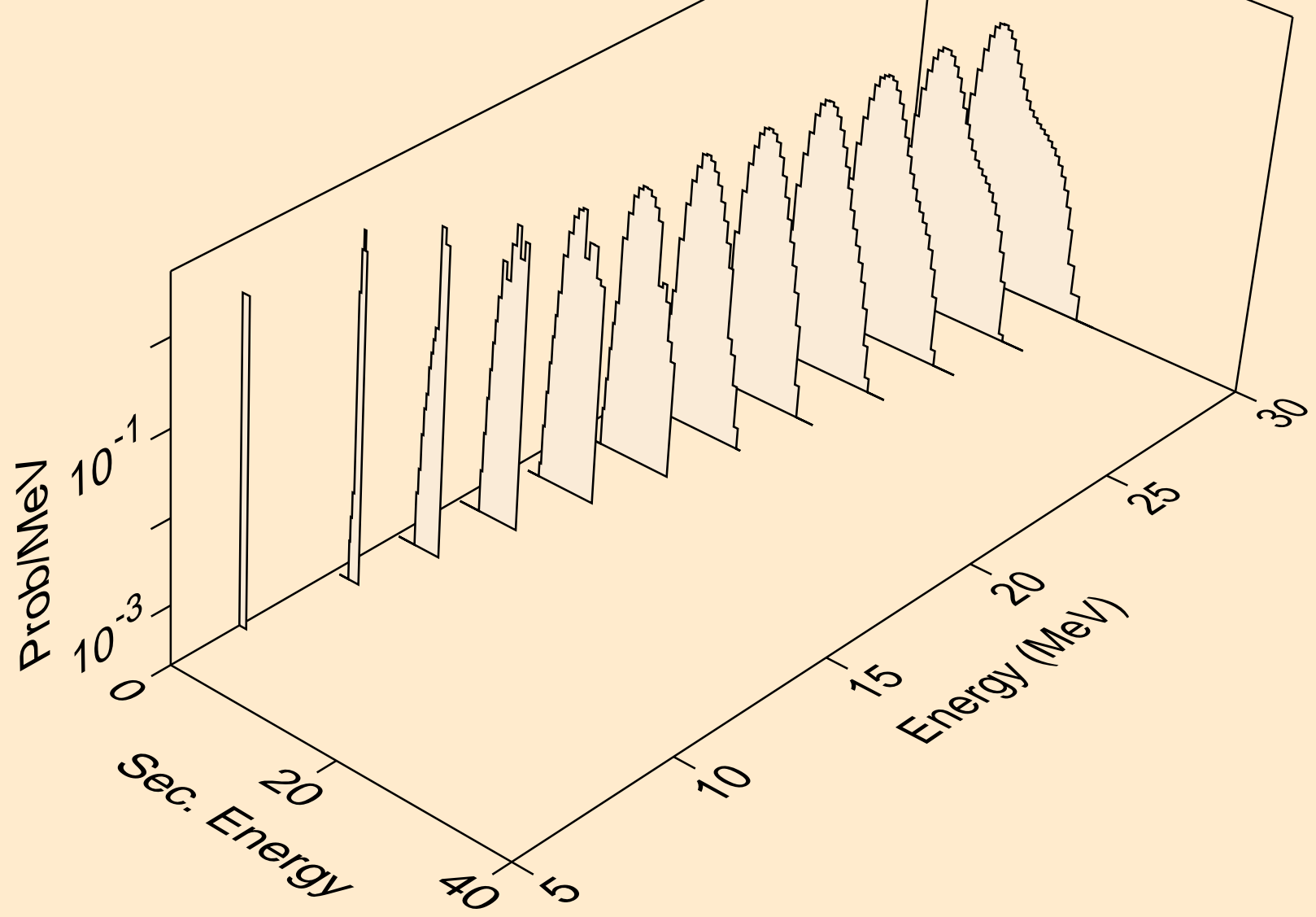
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protons from (a,2np)



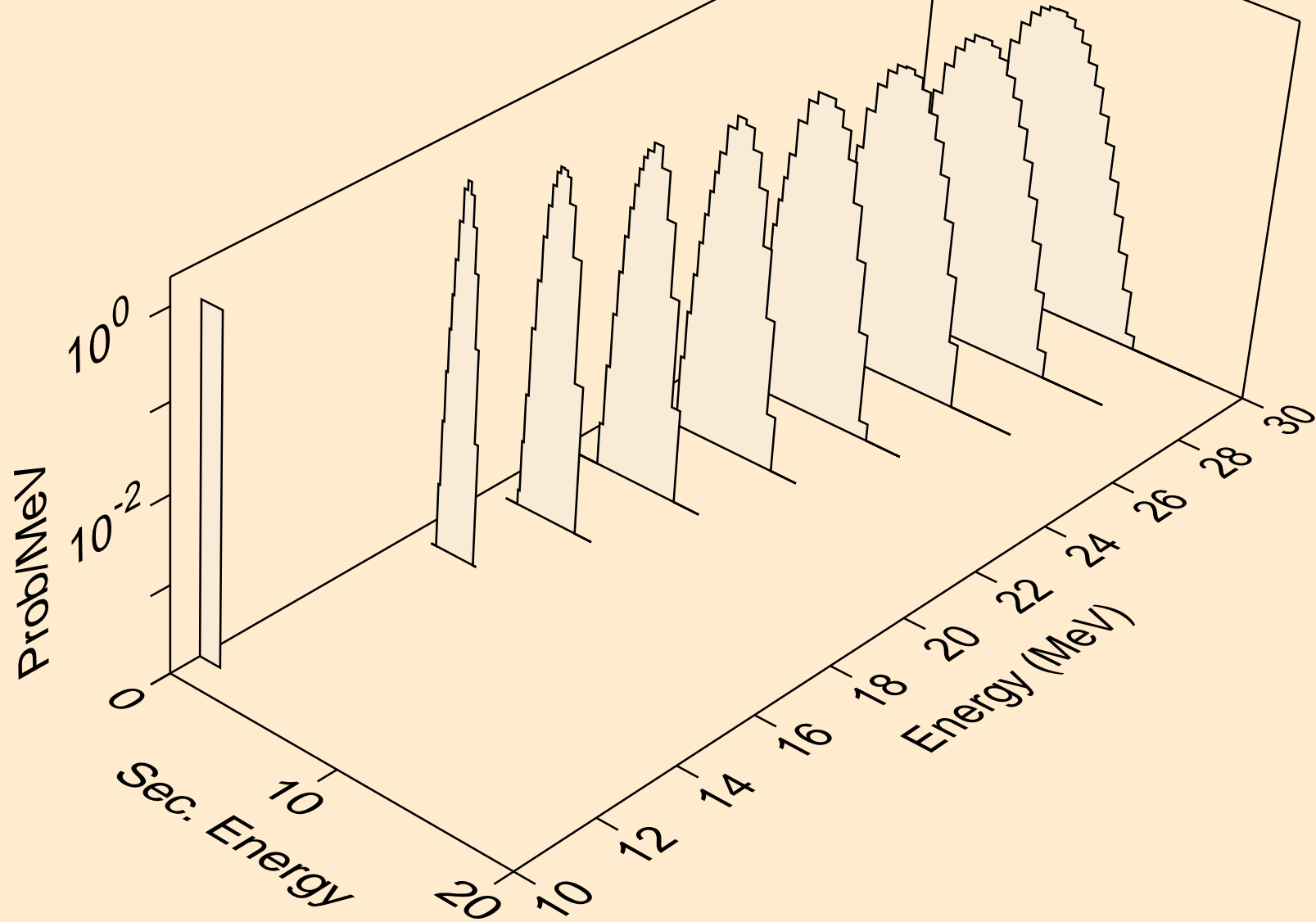
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protons from (a,npa)



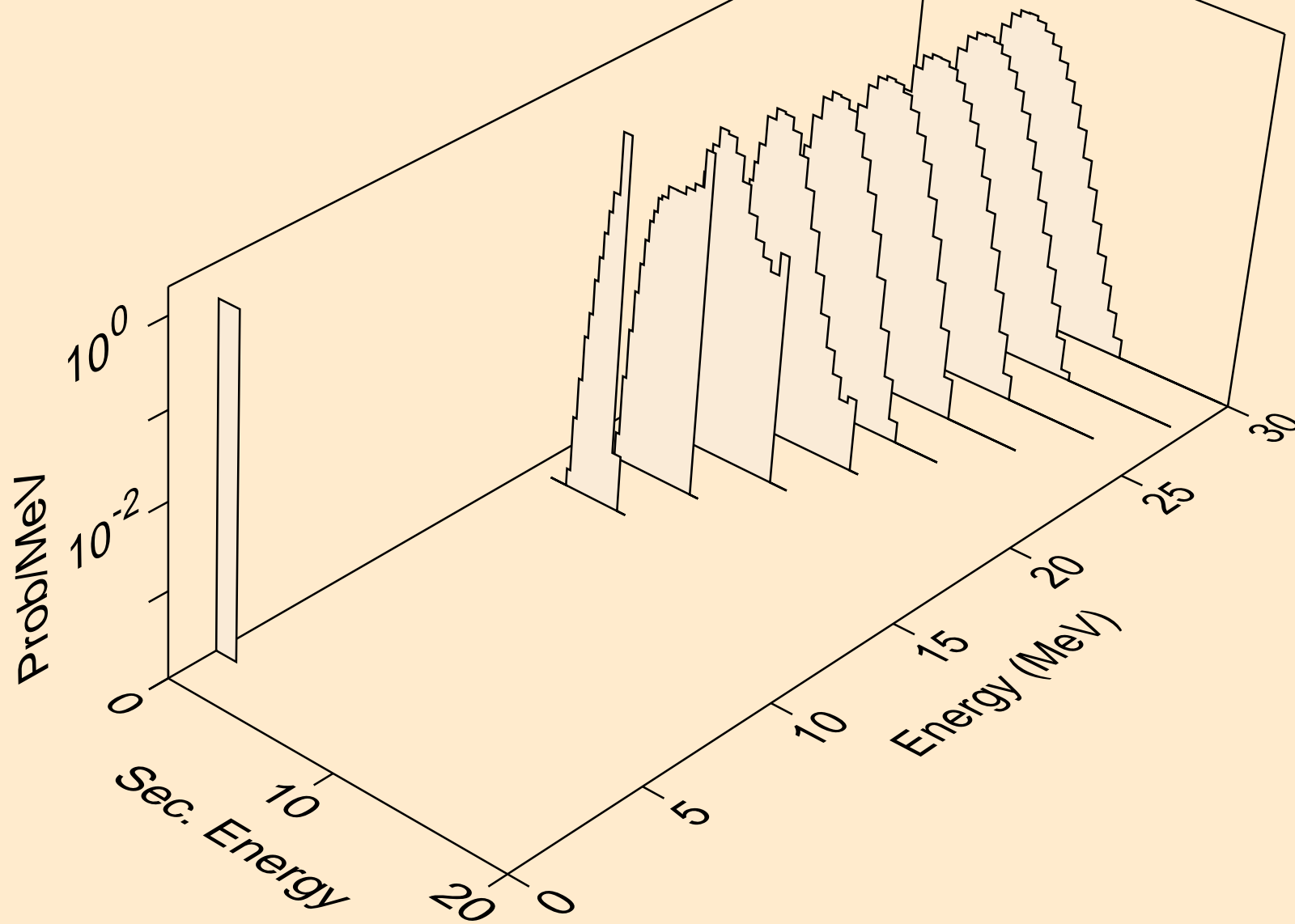
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protons from (a,p)



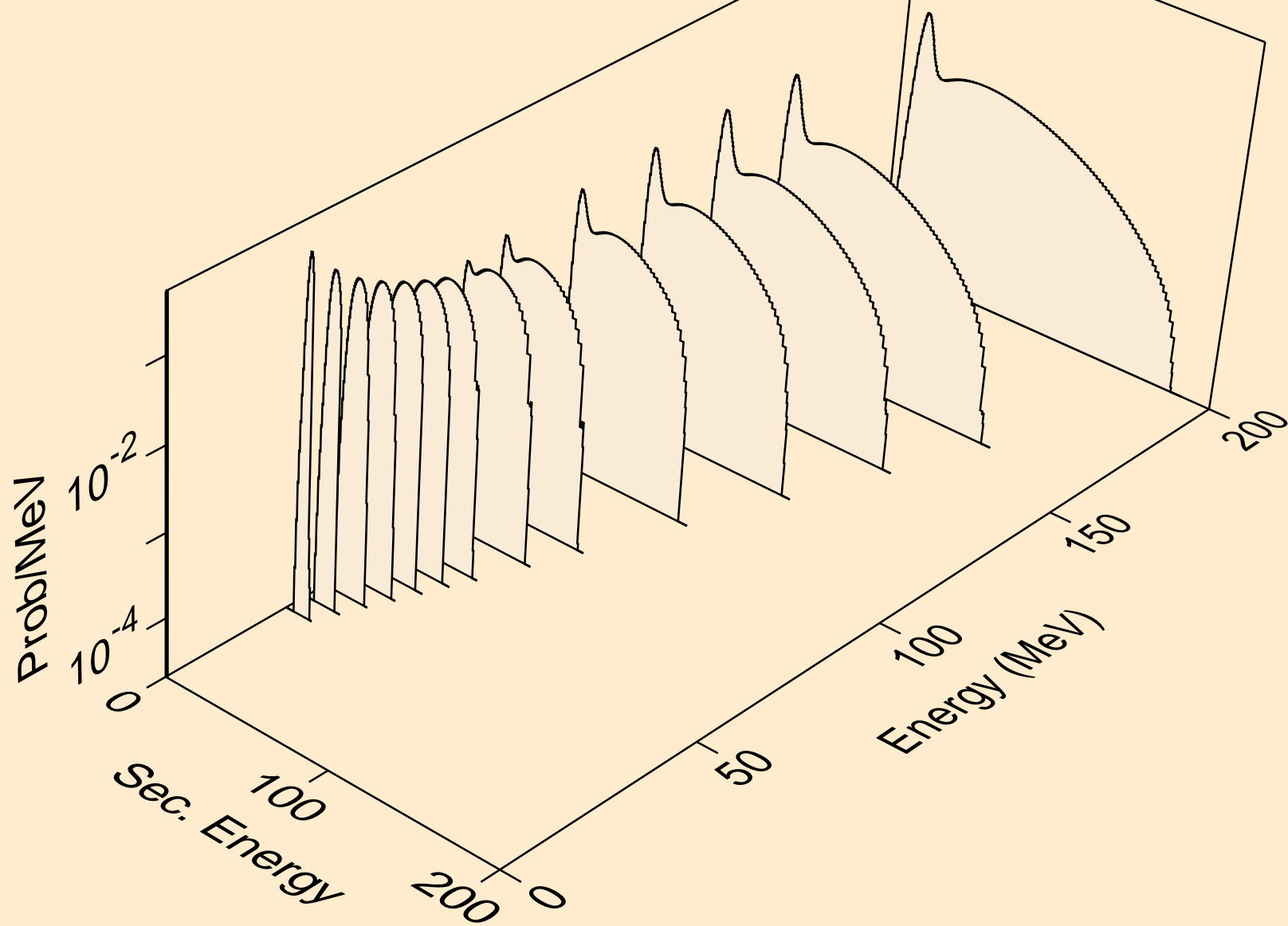
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protons from (a,2p)



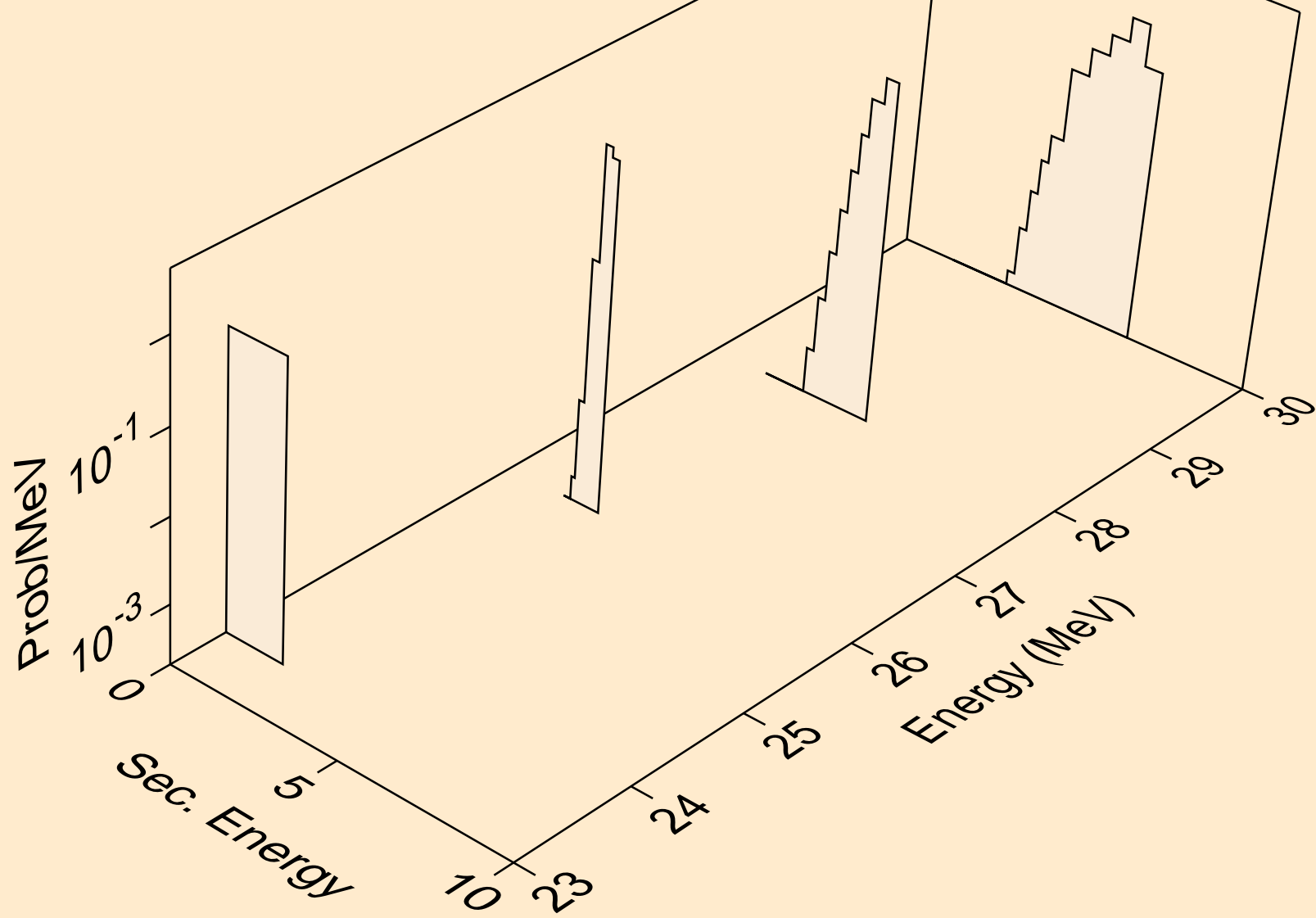
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protons from (a,pa)



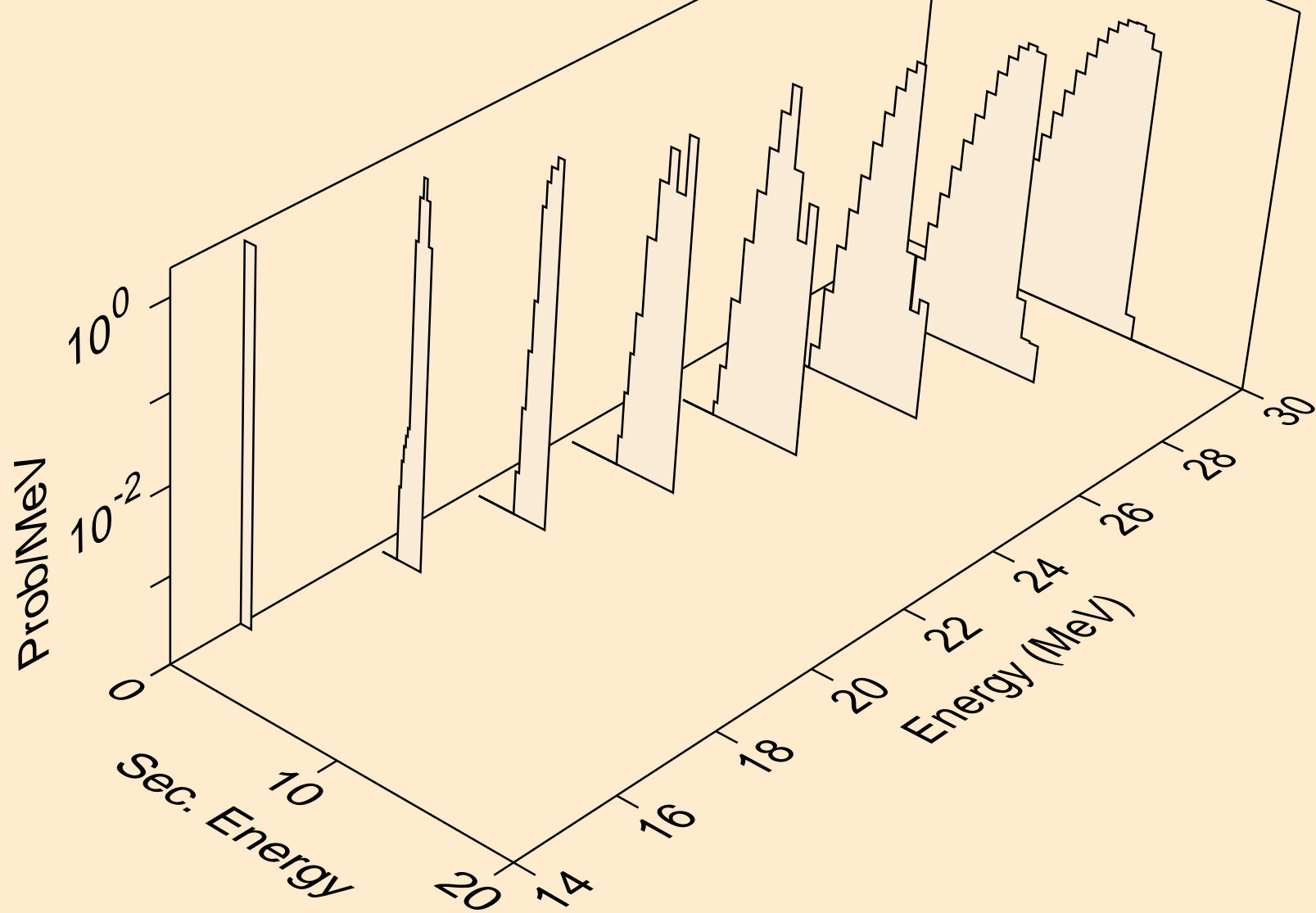
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,x)



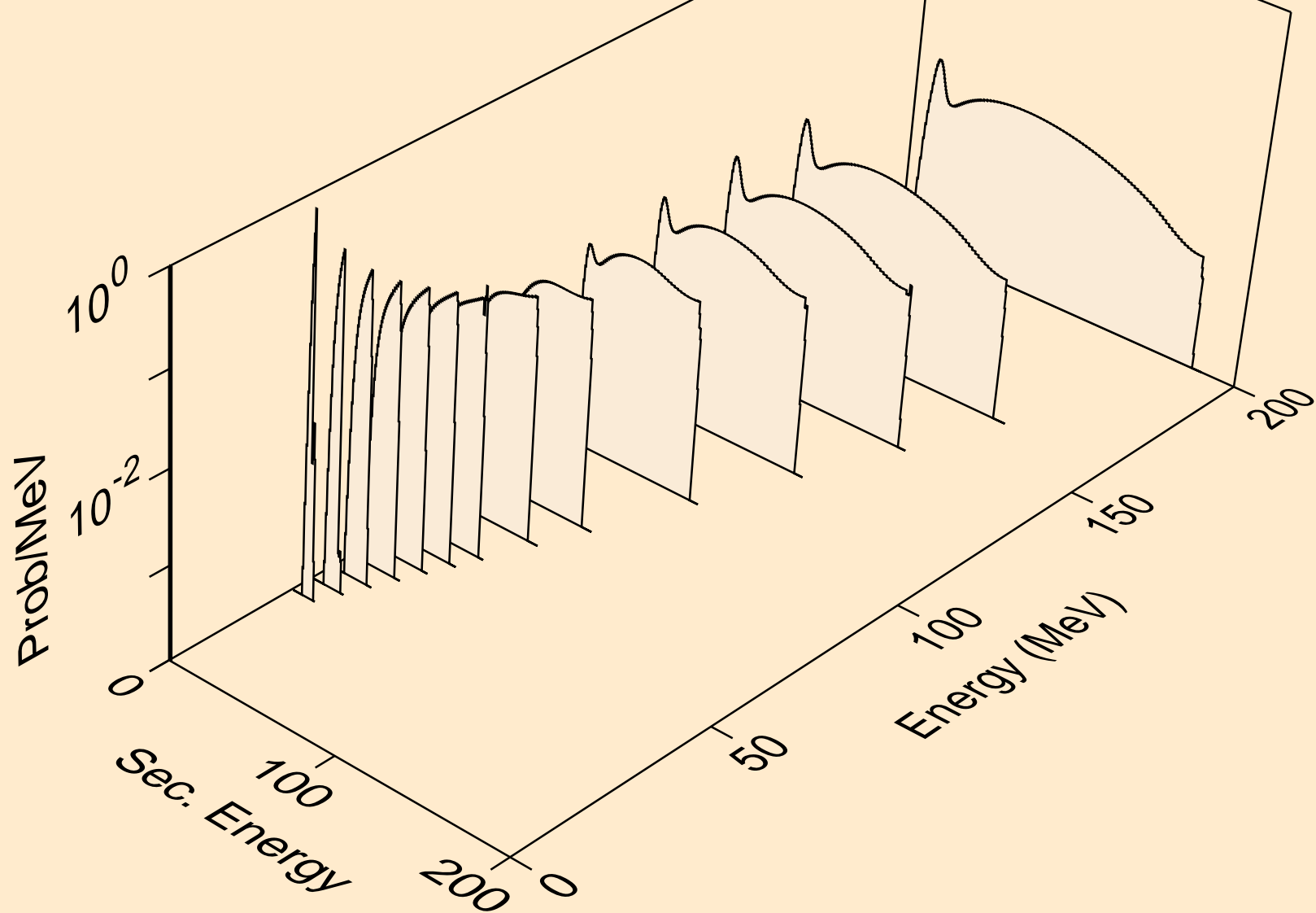
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,n\*)d



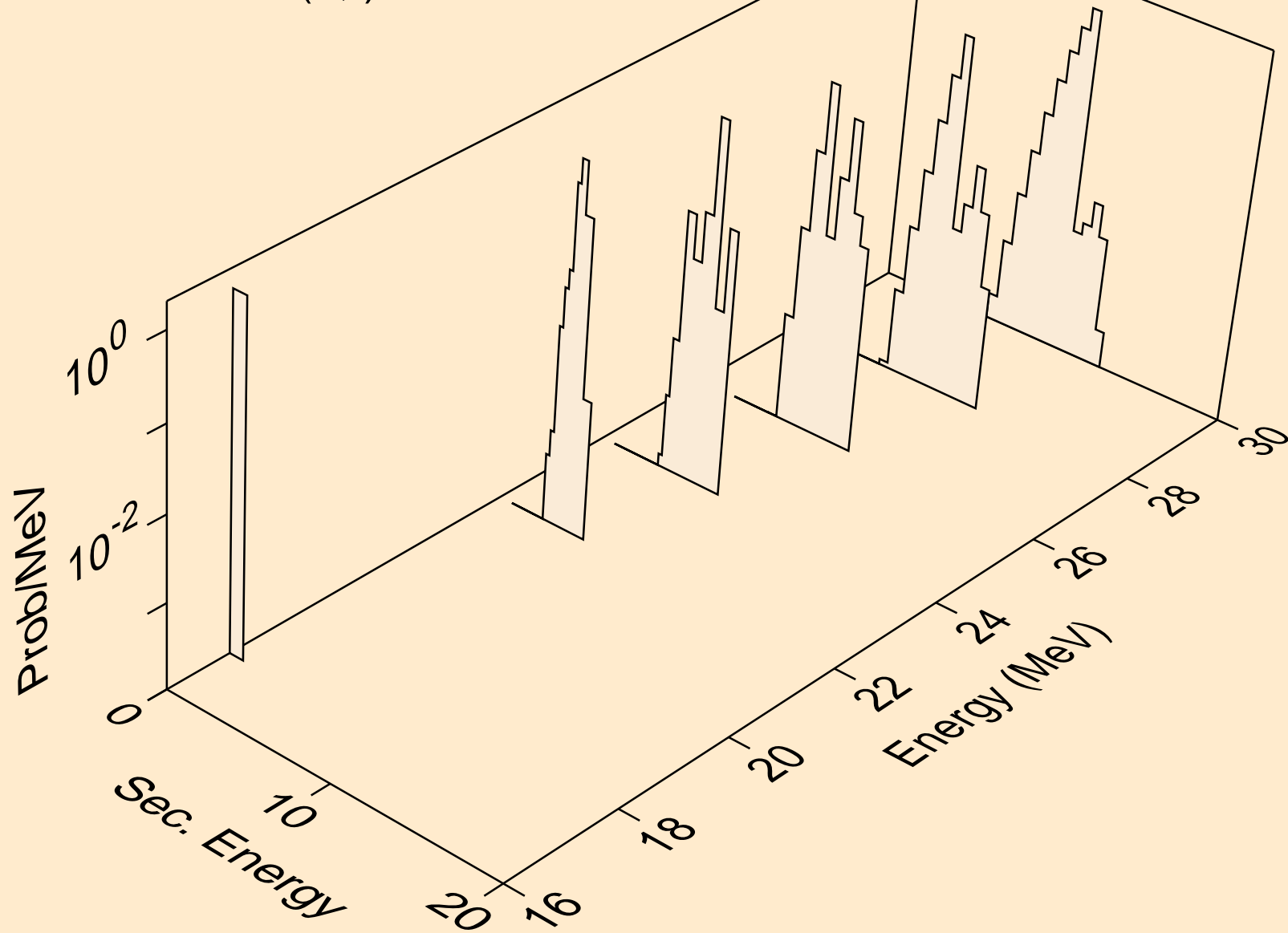
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deuterons from (a,d)



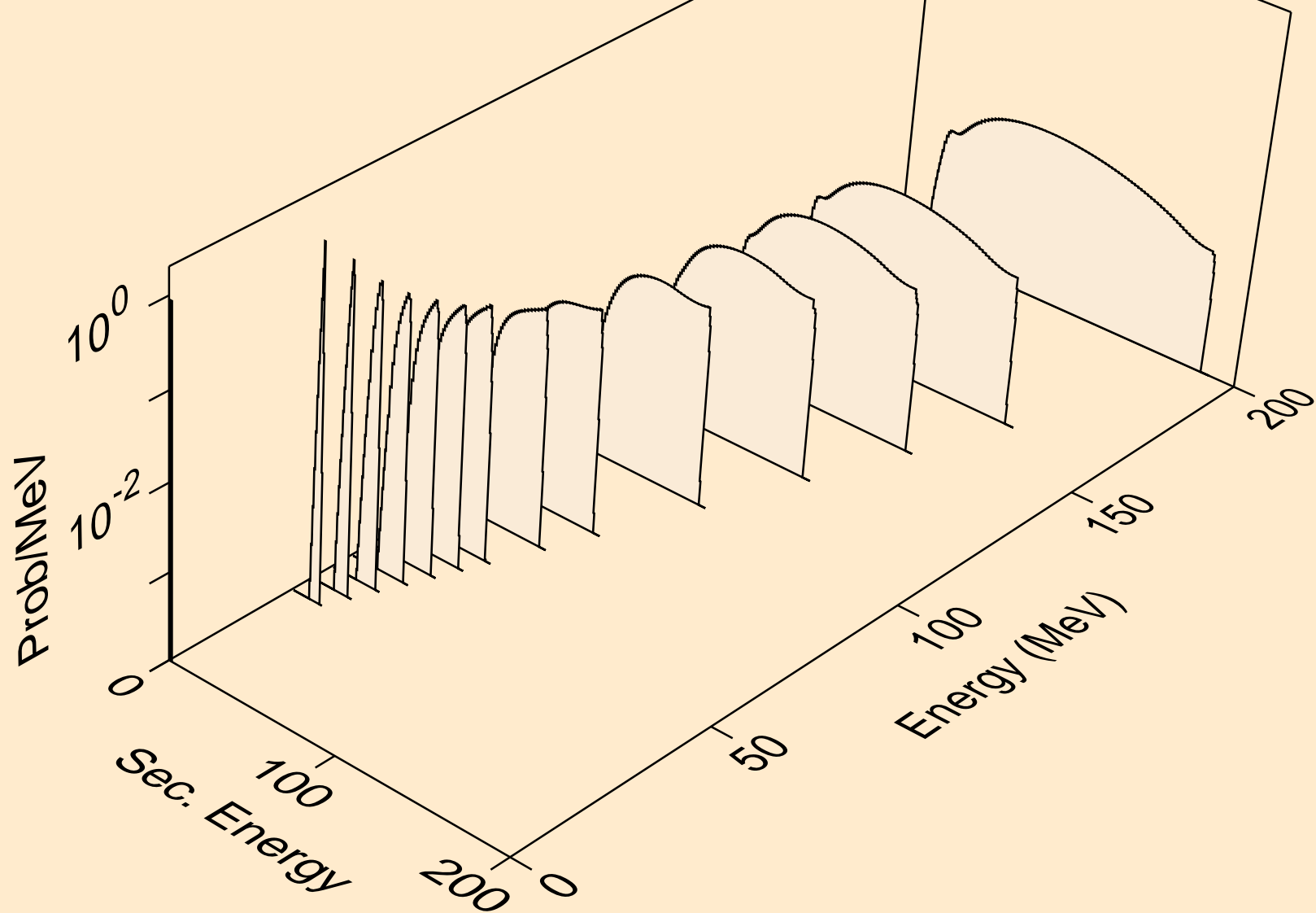
TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (a,x)



TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (a,t)



TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (a,x)



TL189 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (a,he3)

