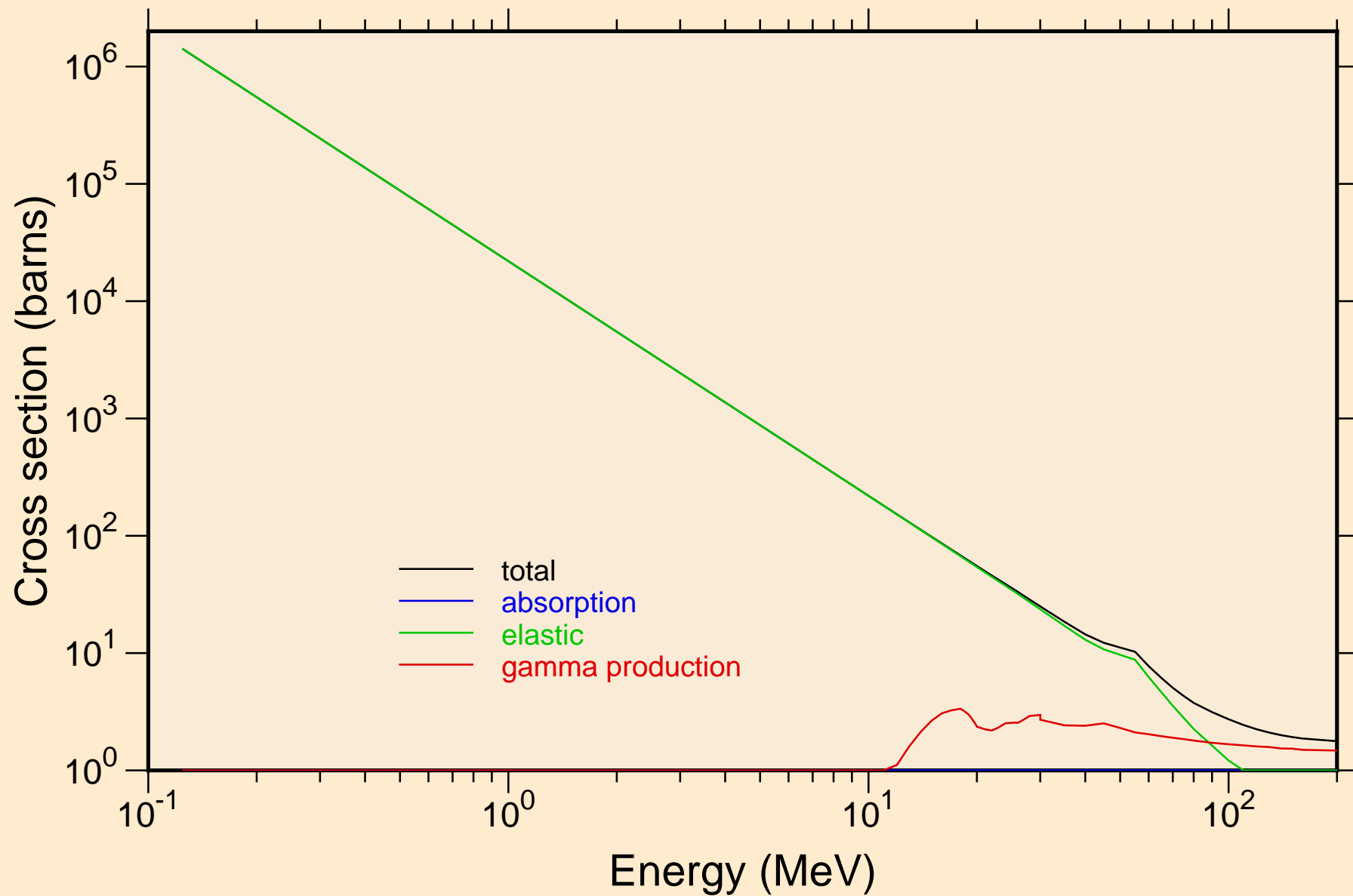


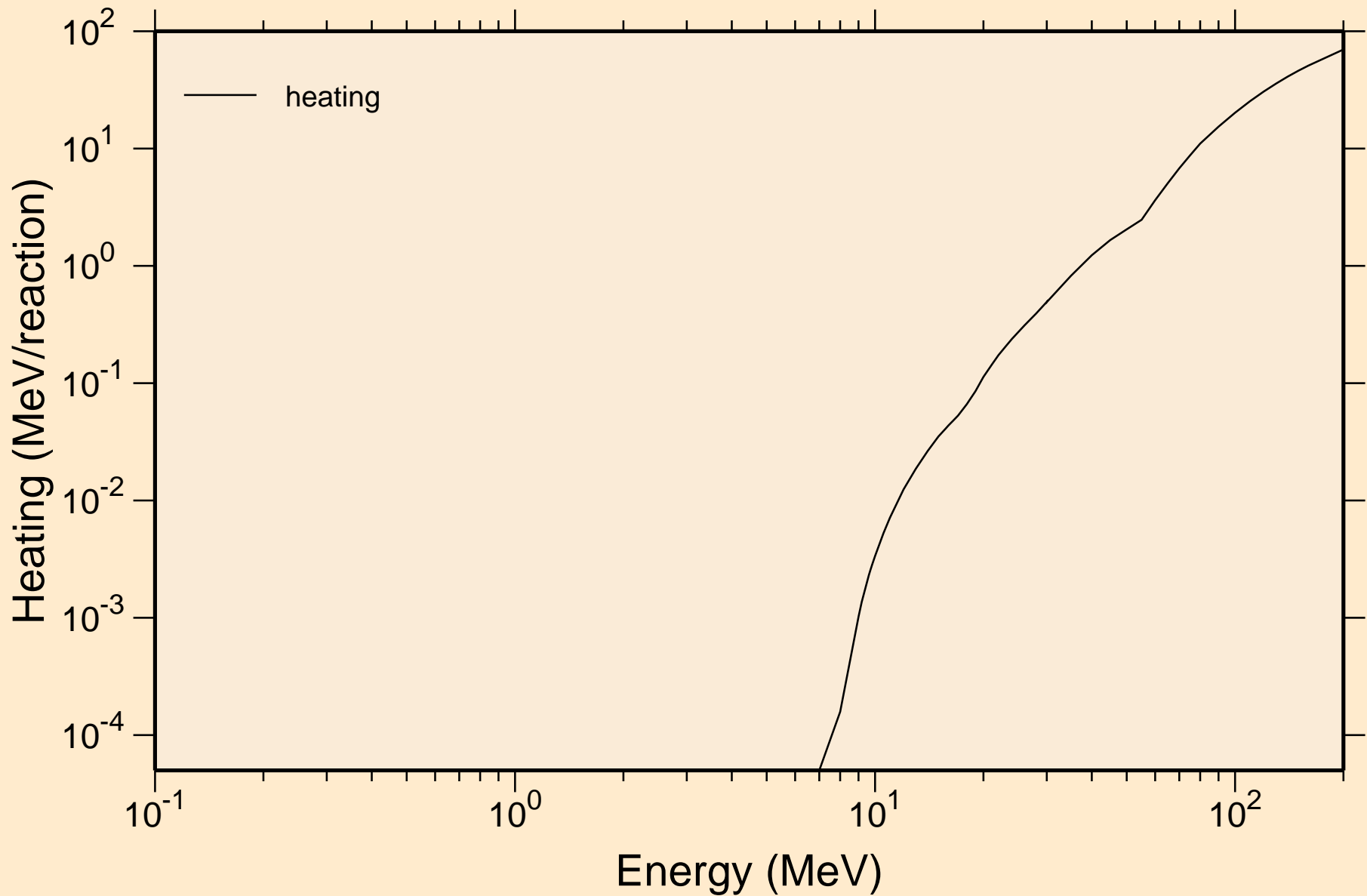
# NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



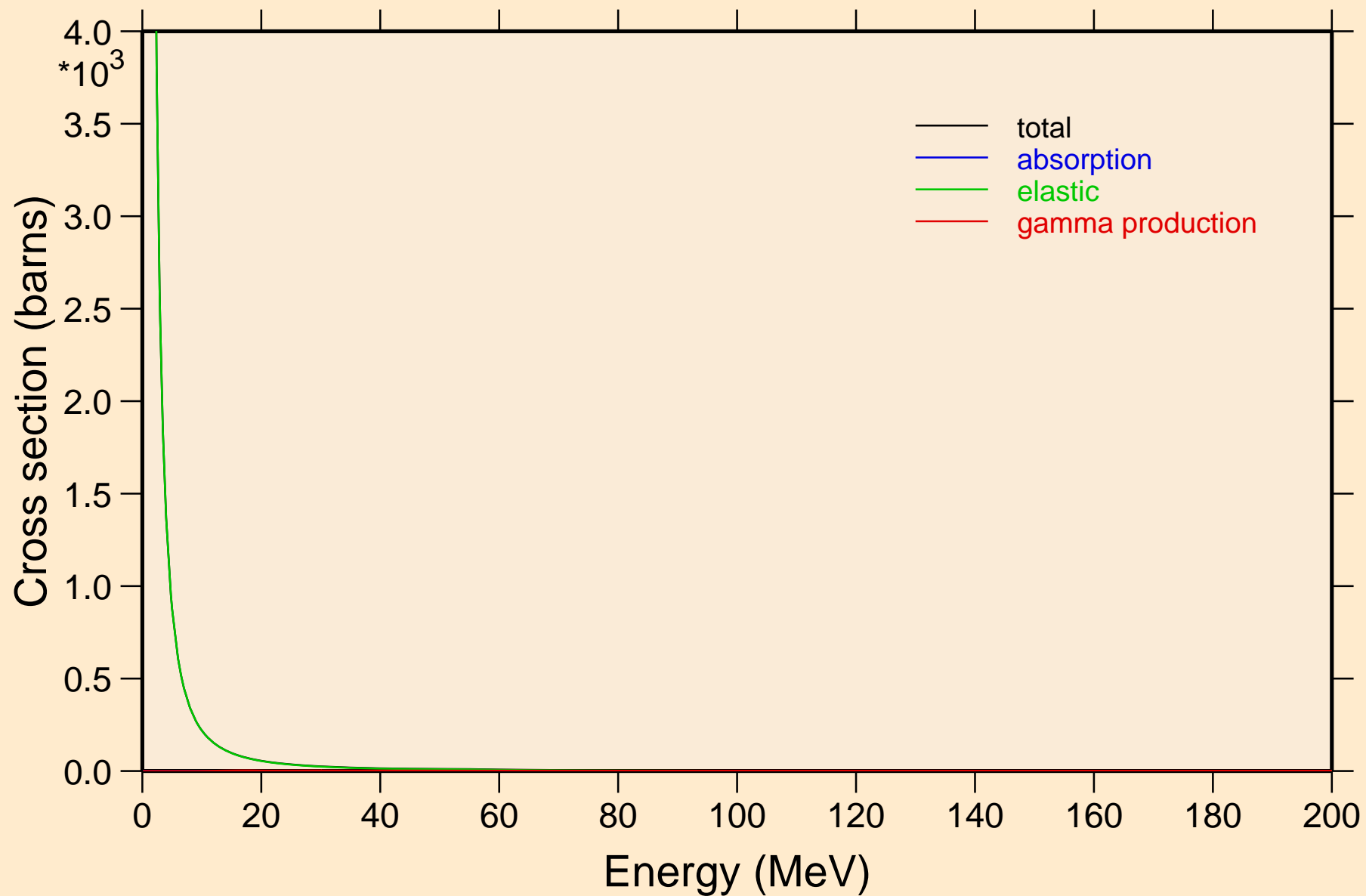
# NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Heating



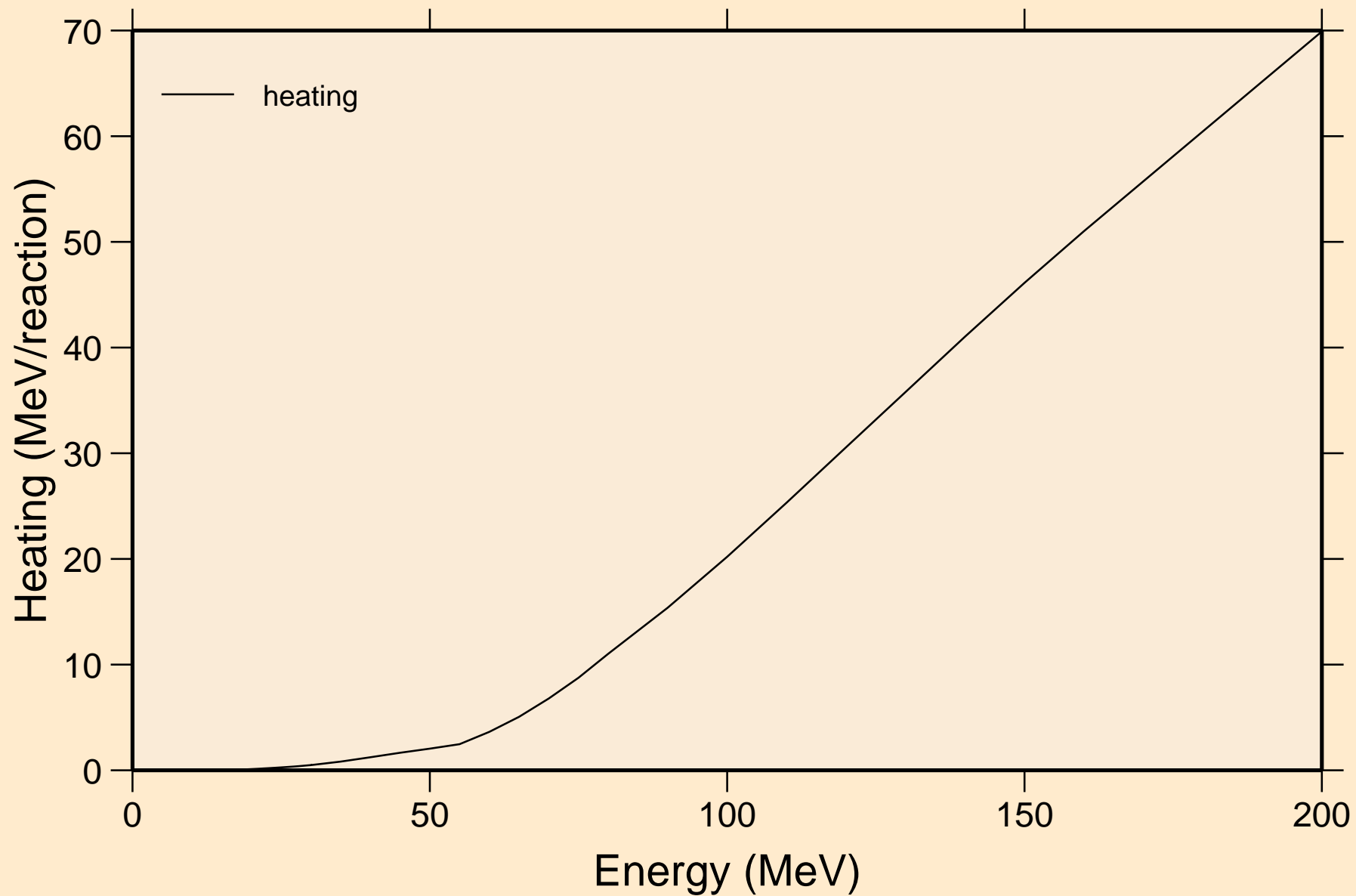
# NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

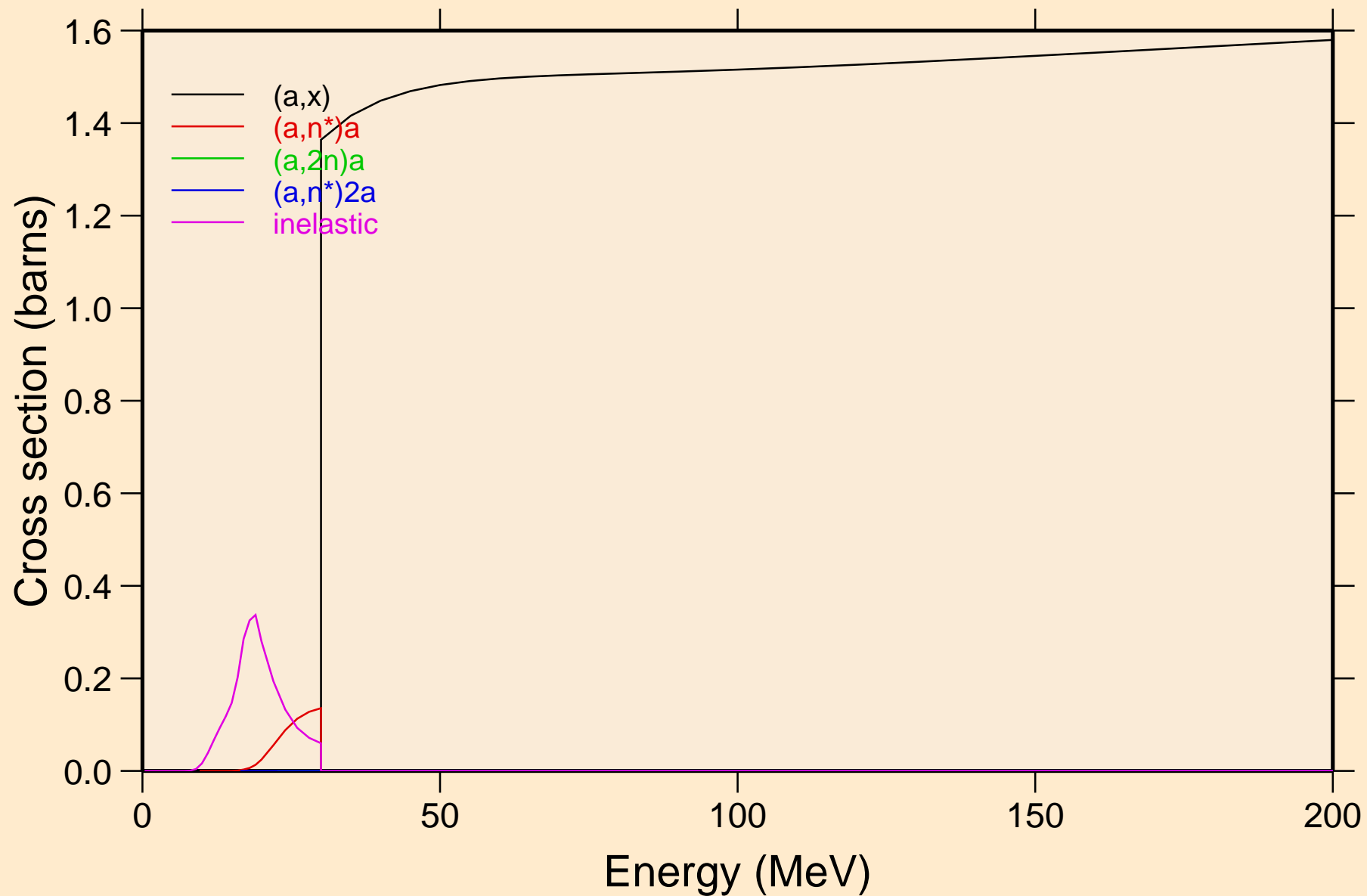


NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Heating

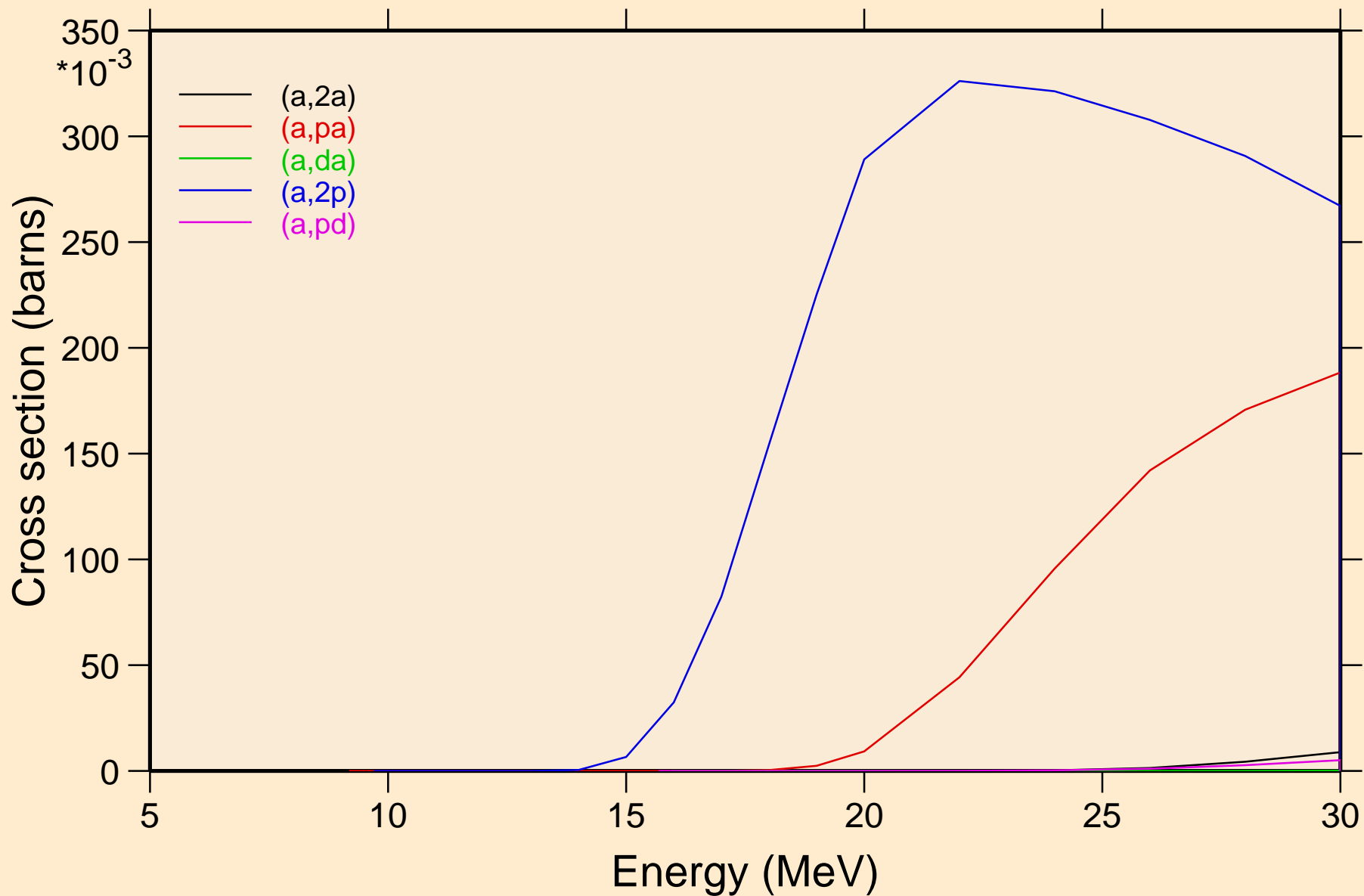


NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

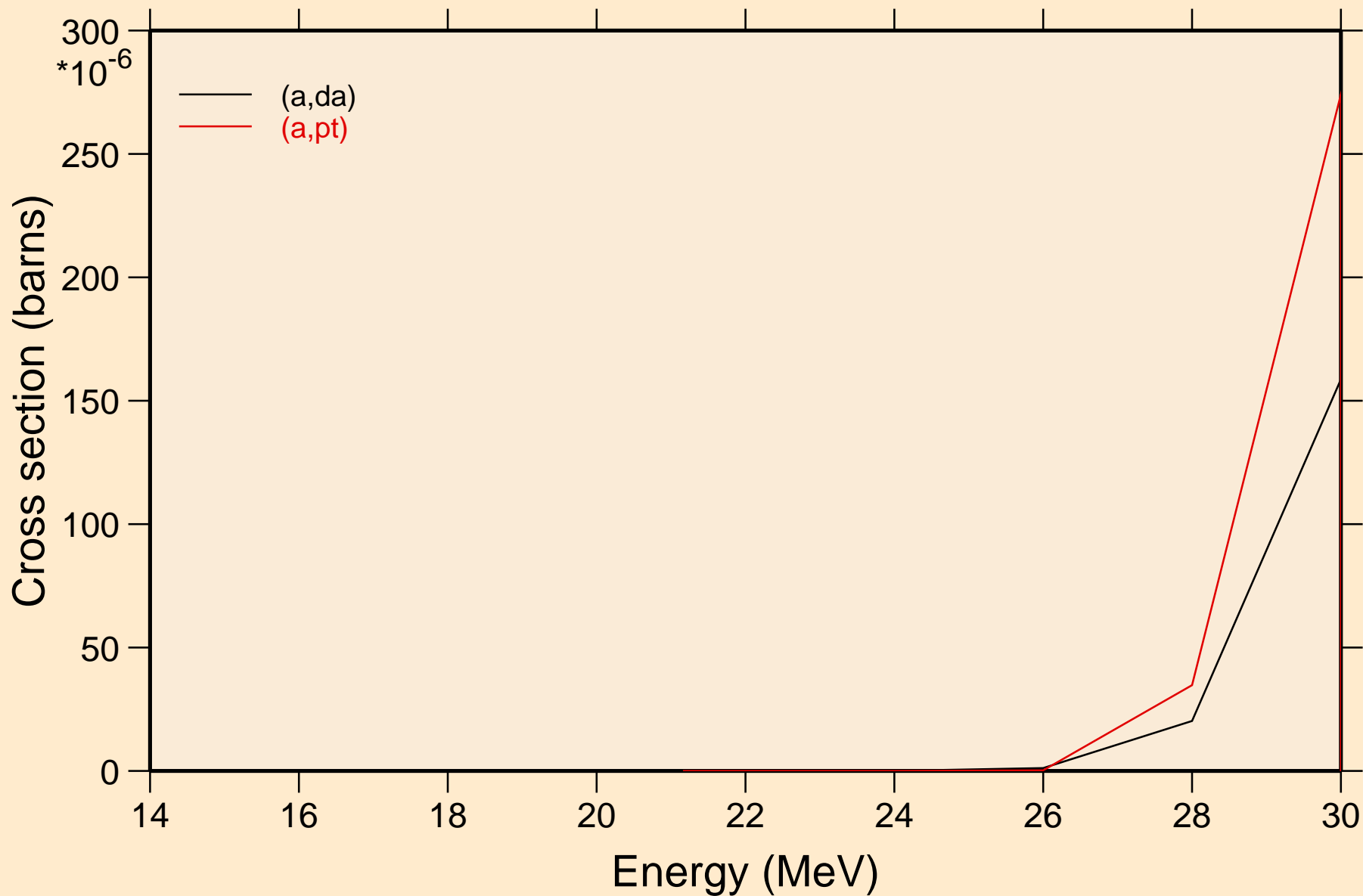


# NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

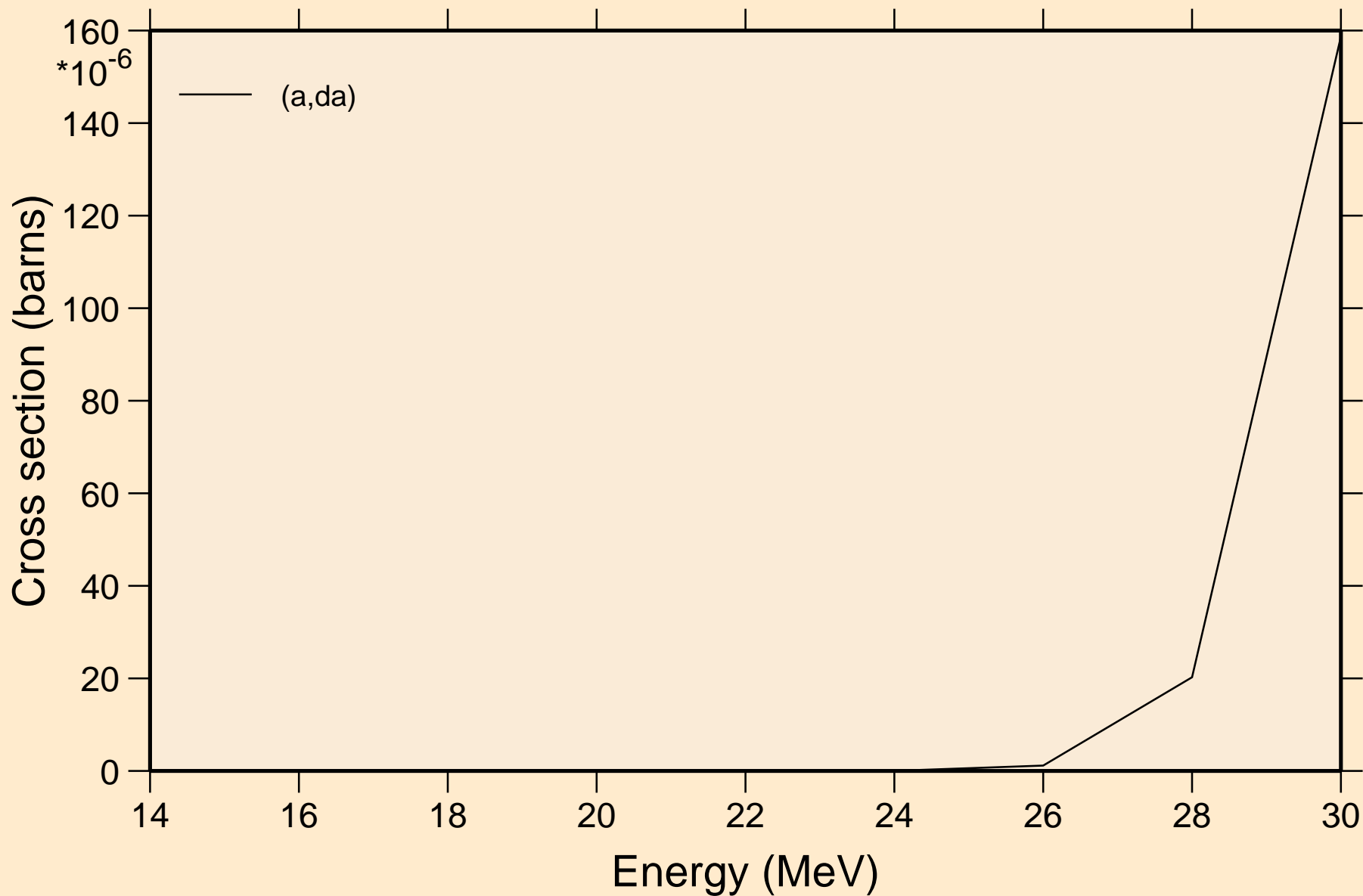
## Threshold reactions



NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

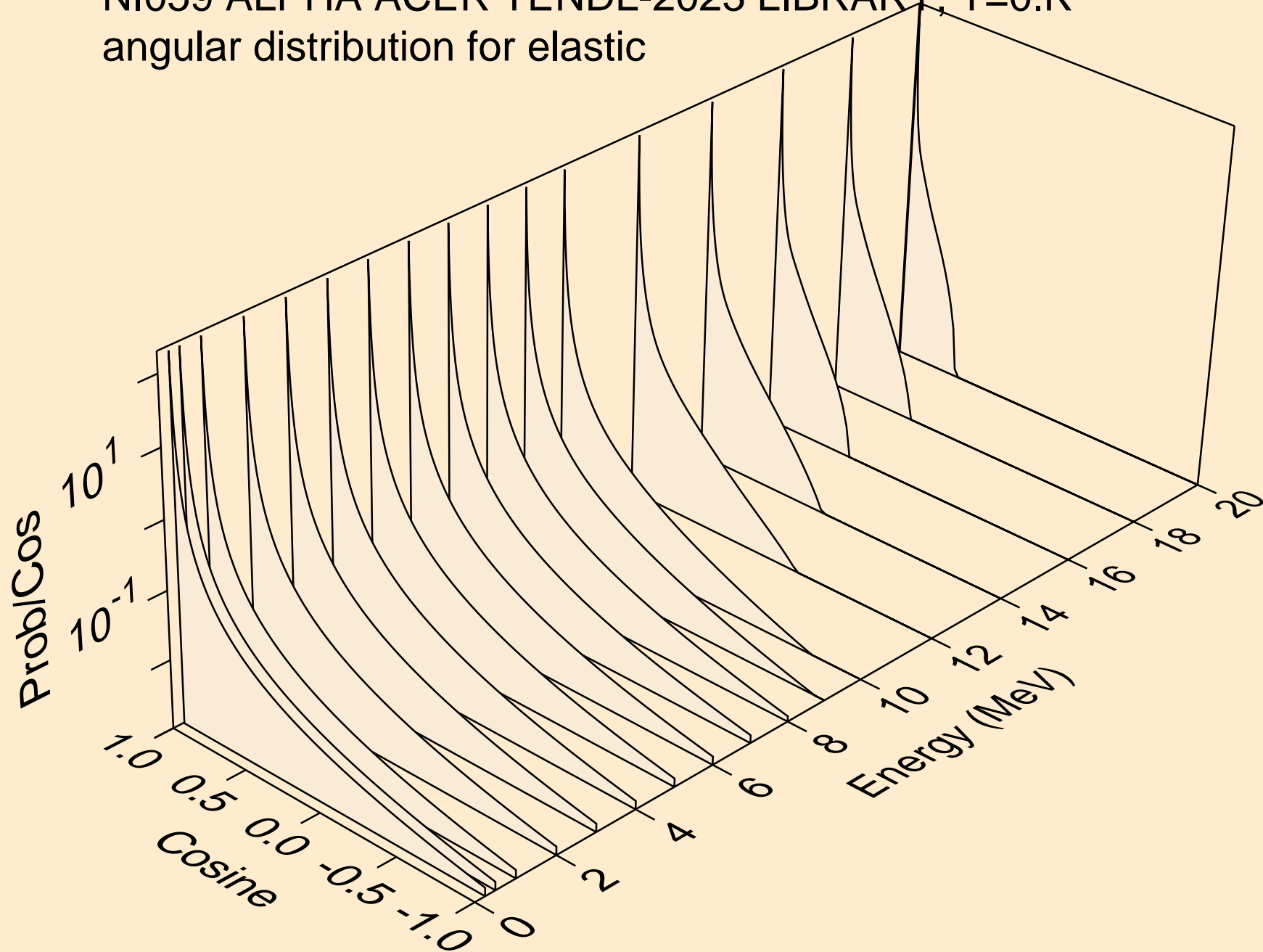


NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

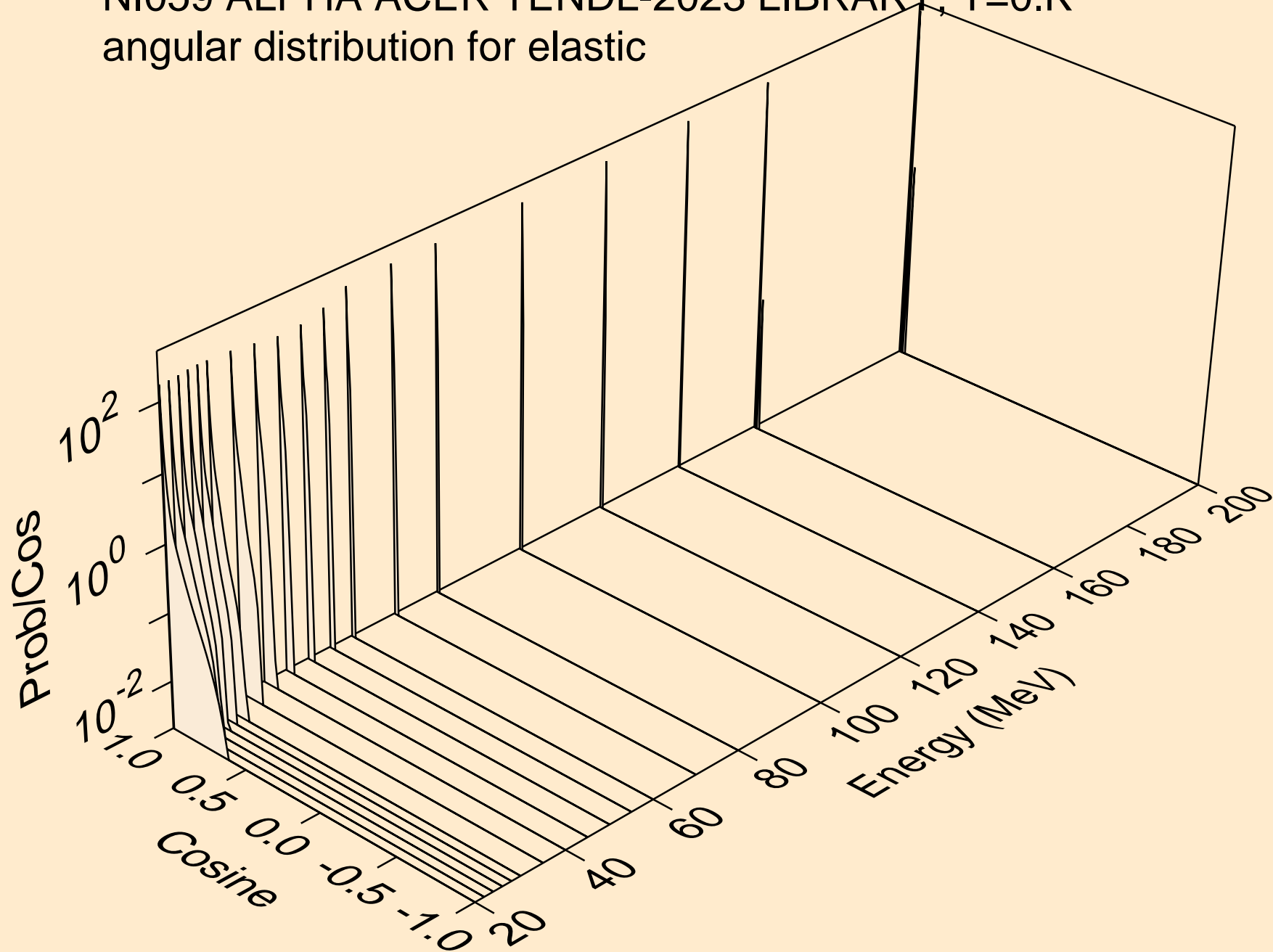




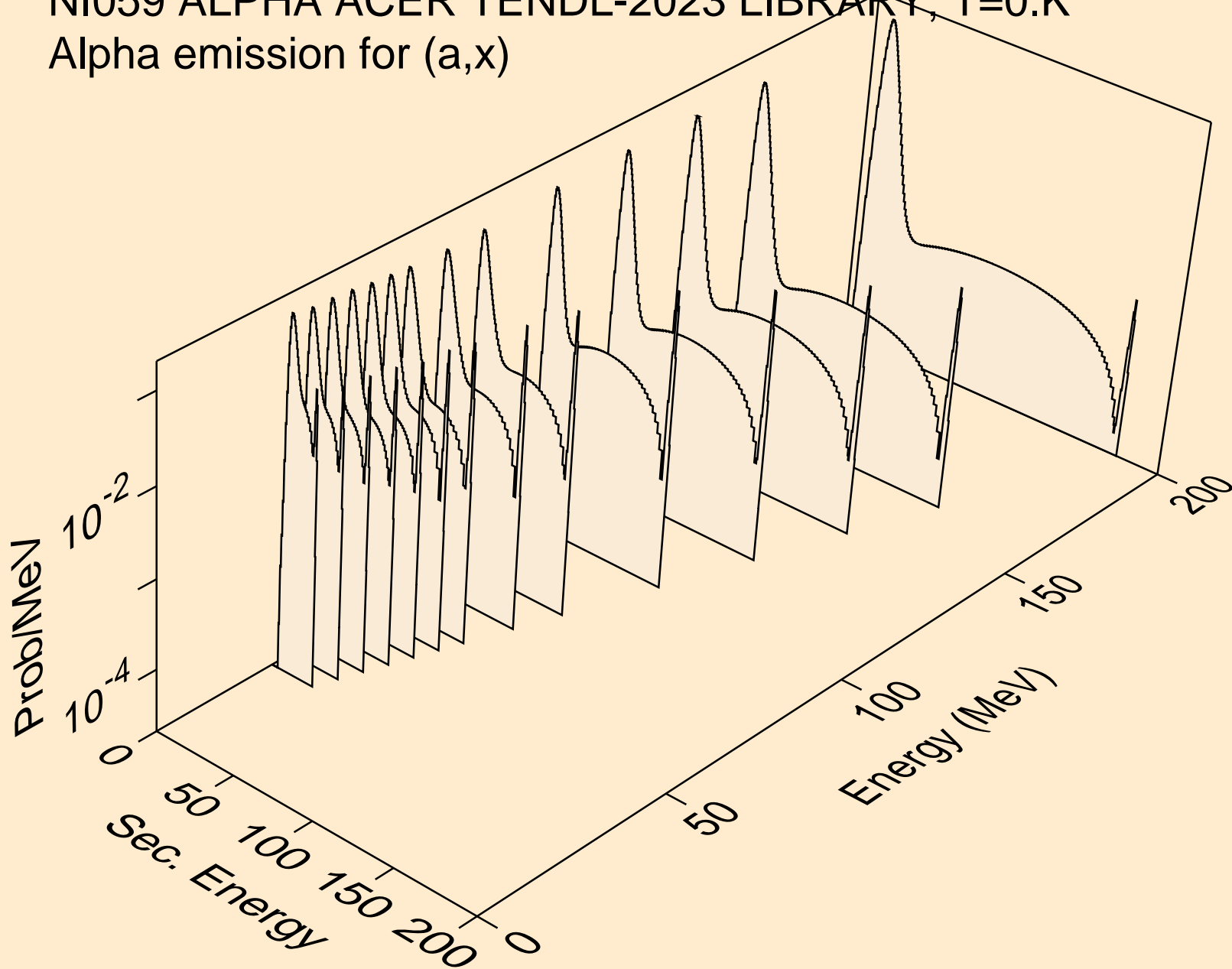
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



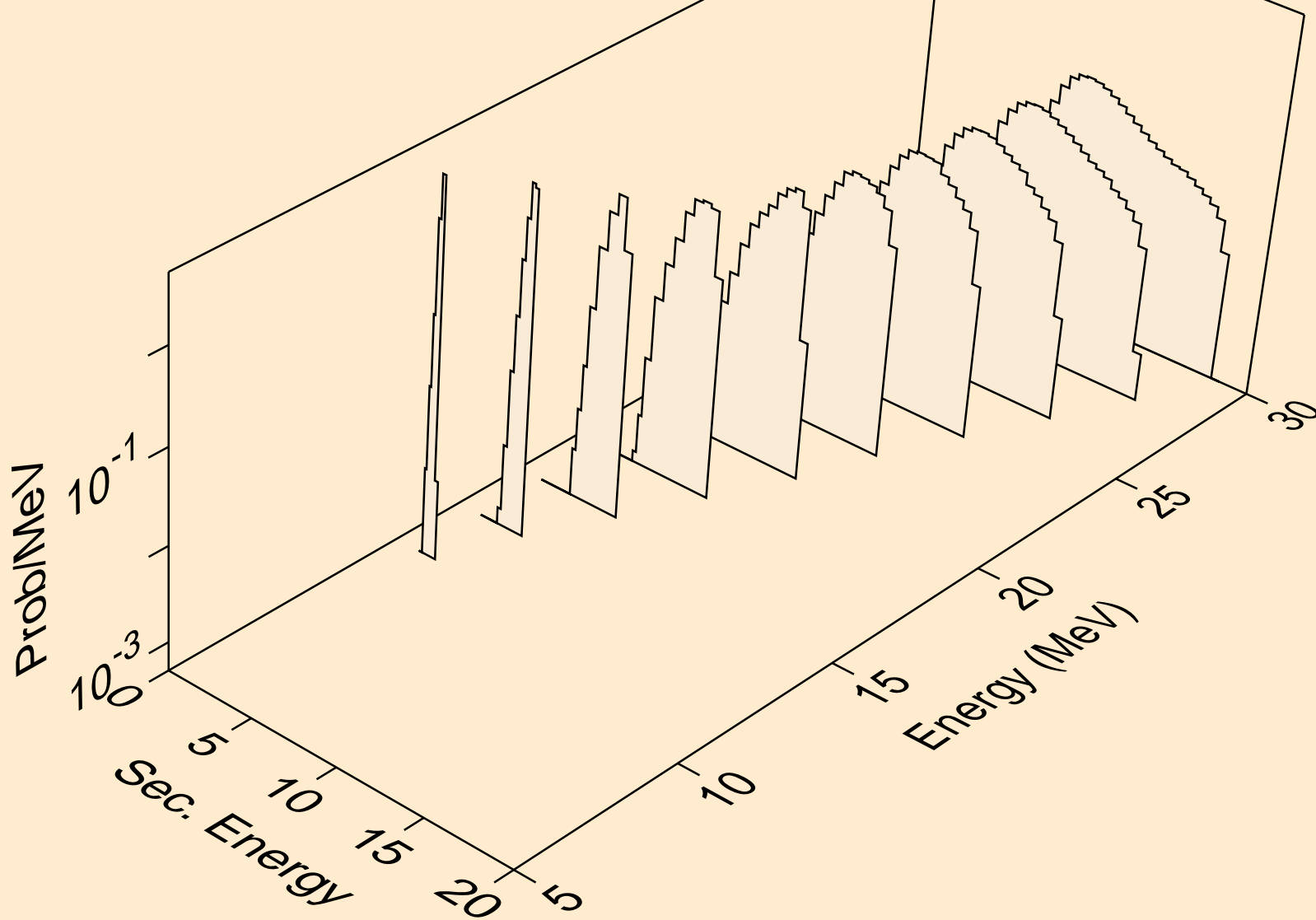
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



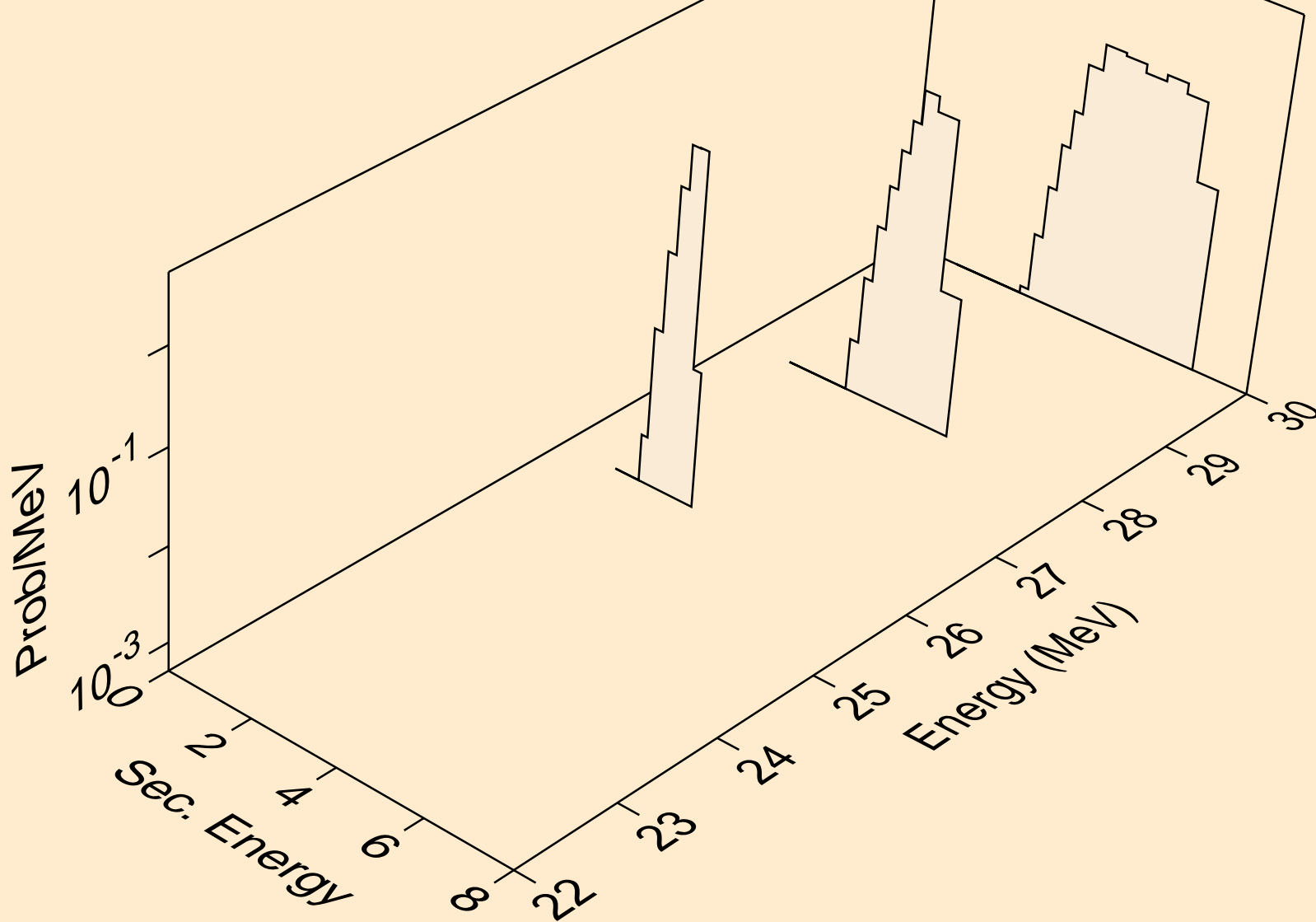
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,x)



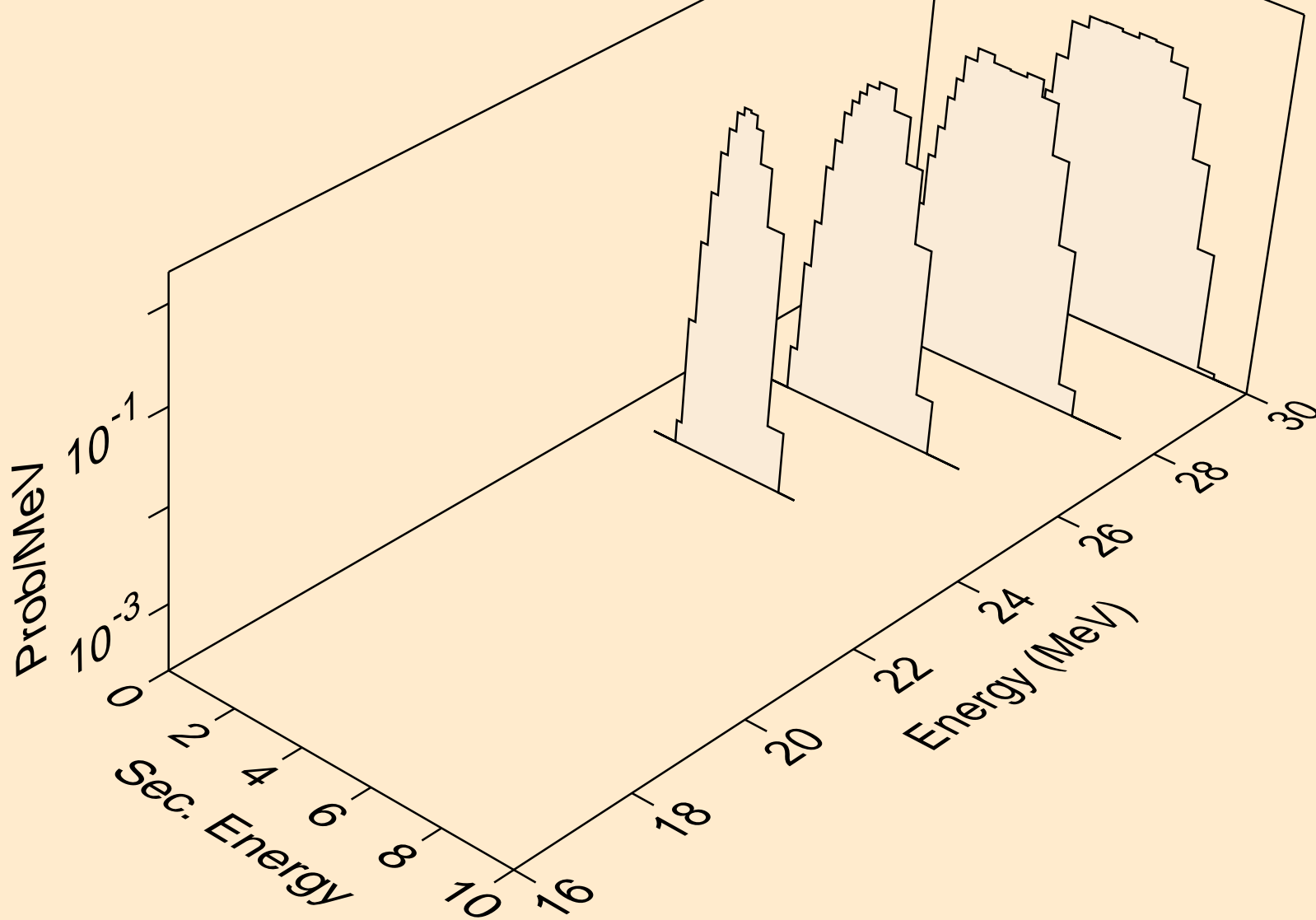
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,n\*)a



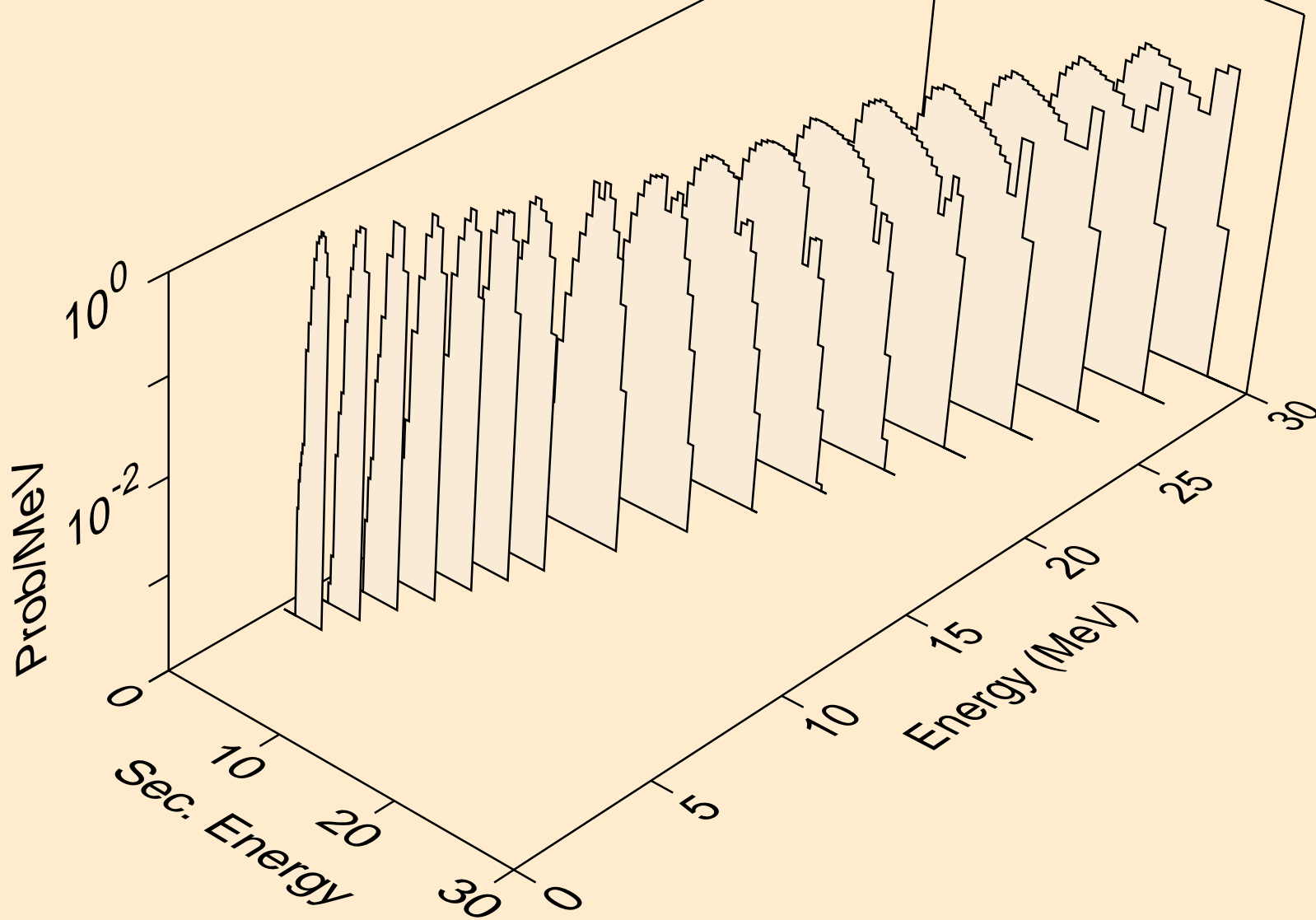
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,2n)a



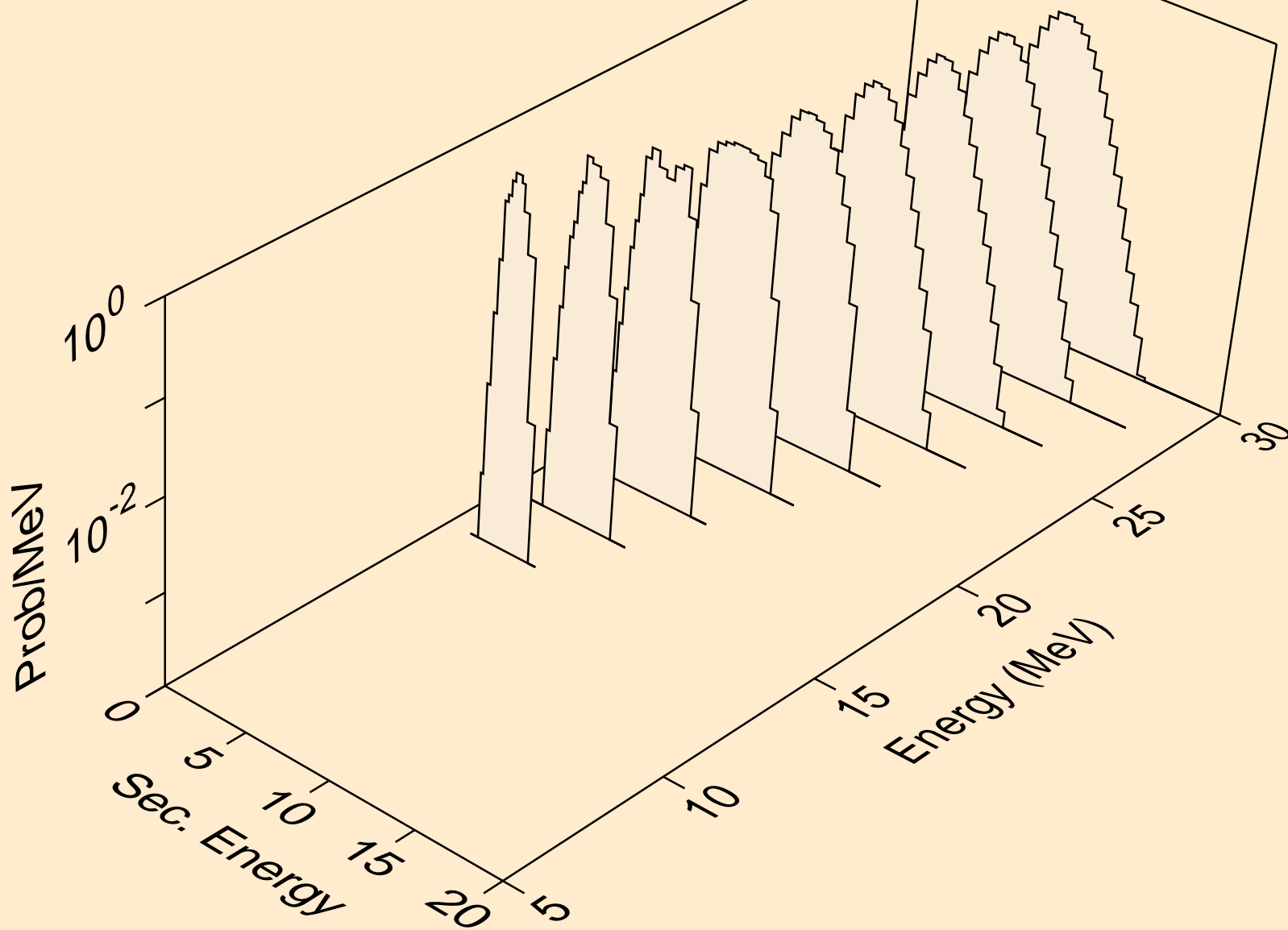
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,n\*)2a



NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for inelastic

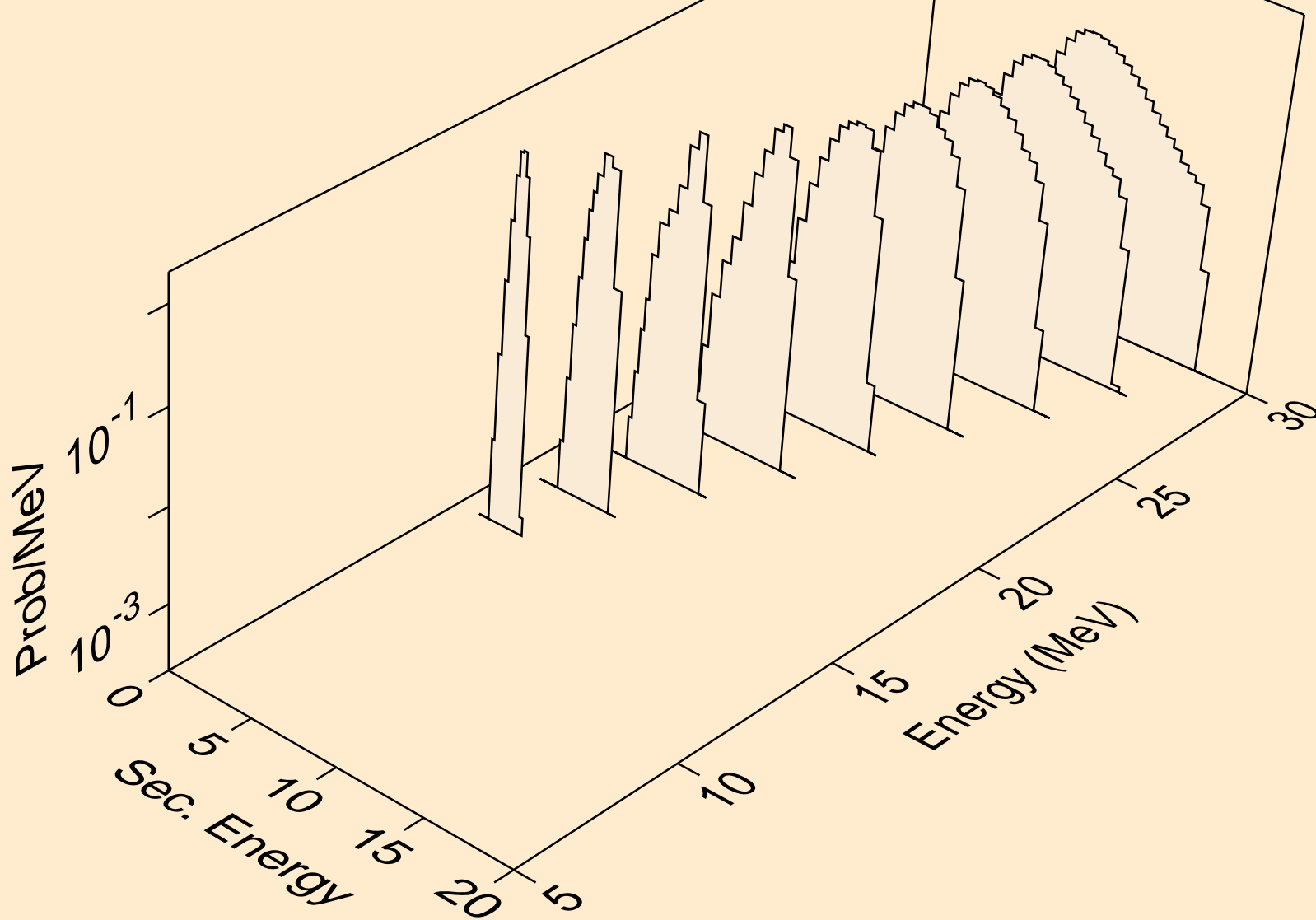


NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,2a)

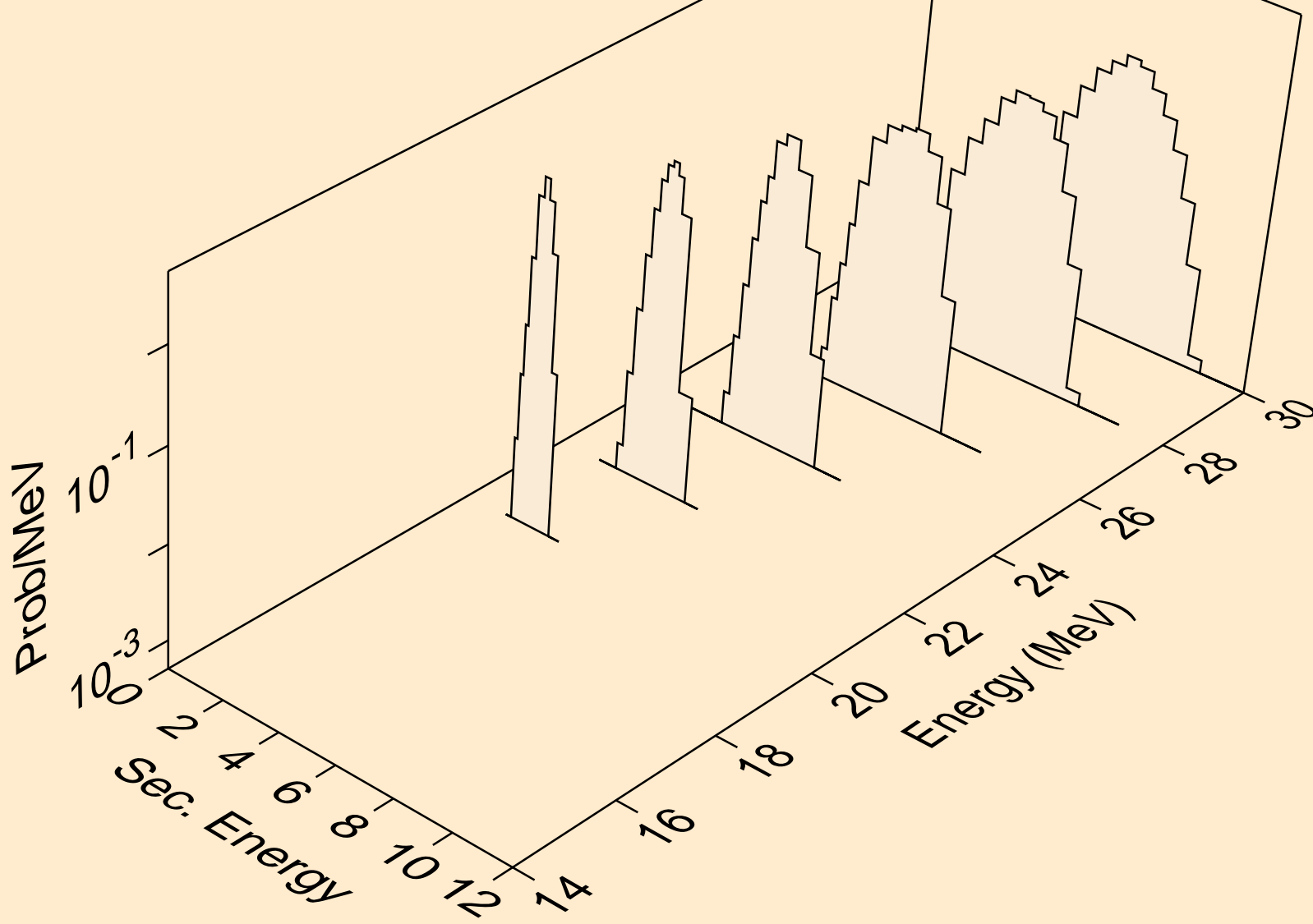




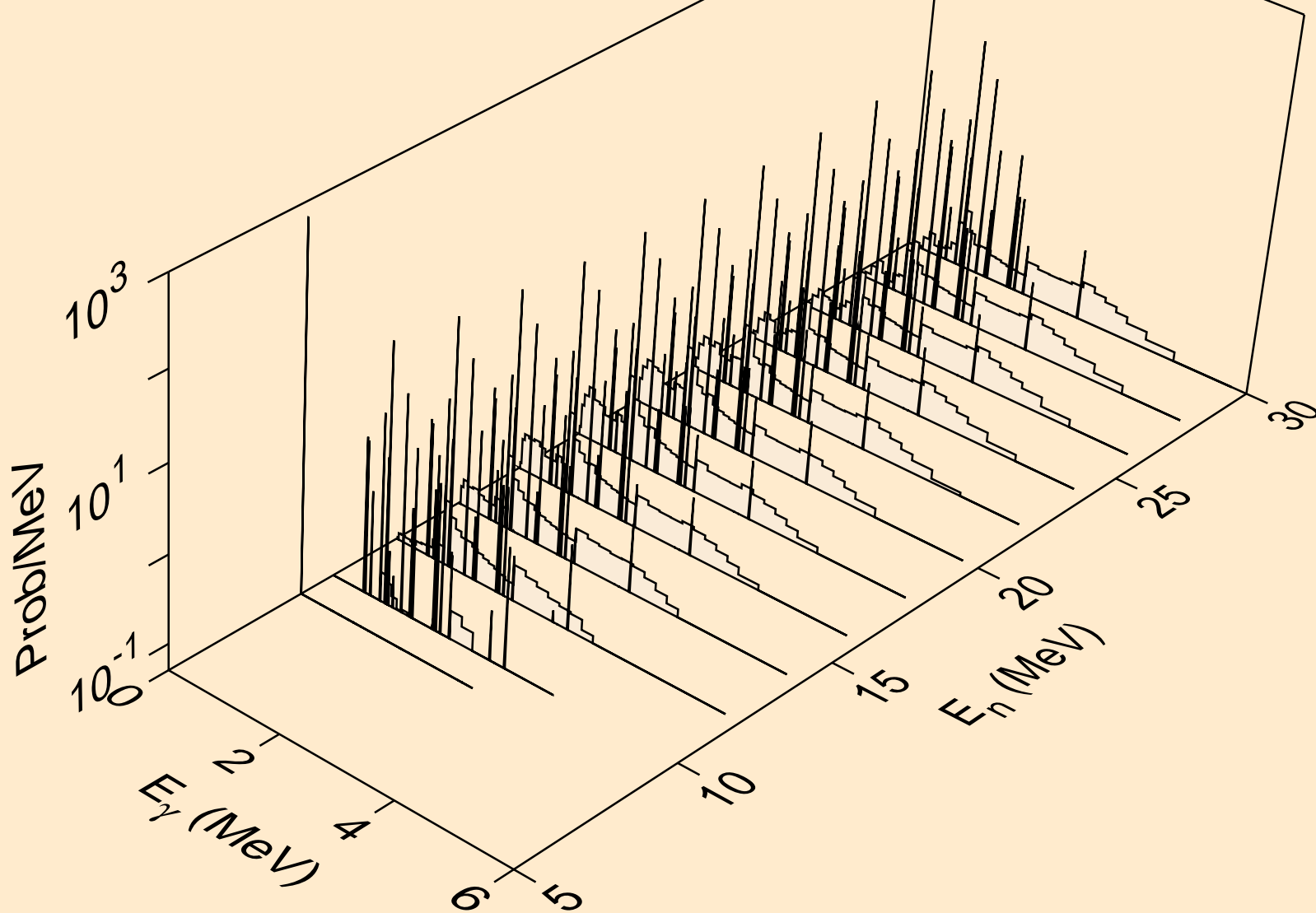
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,pa)



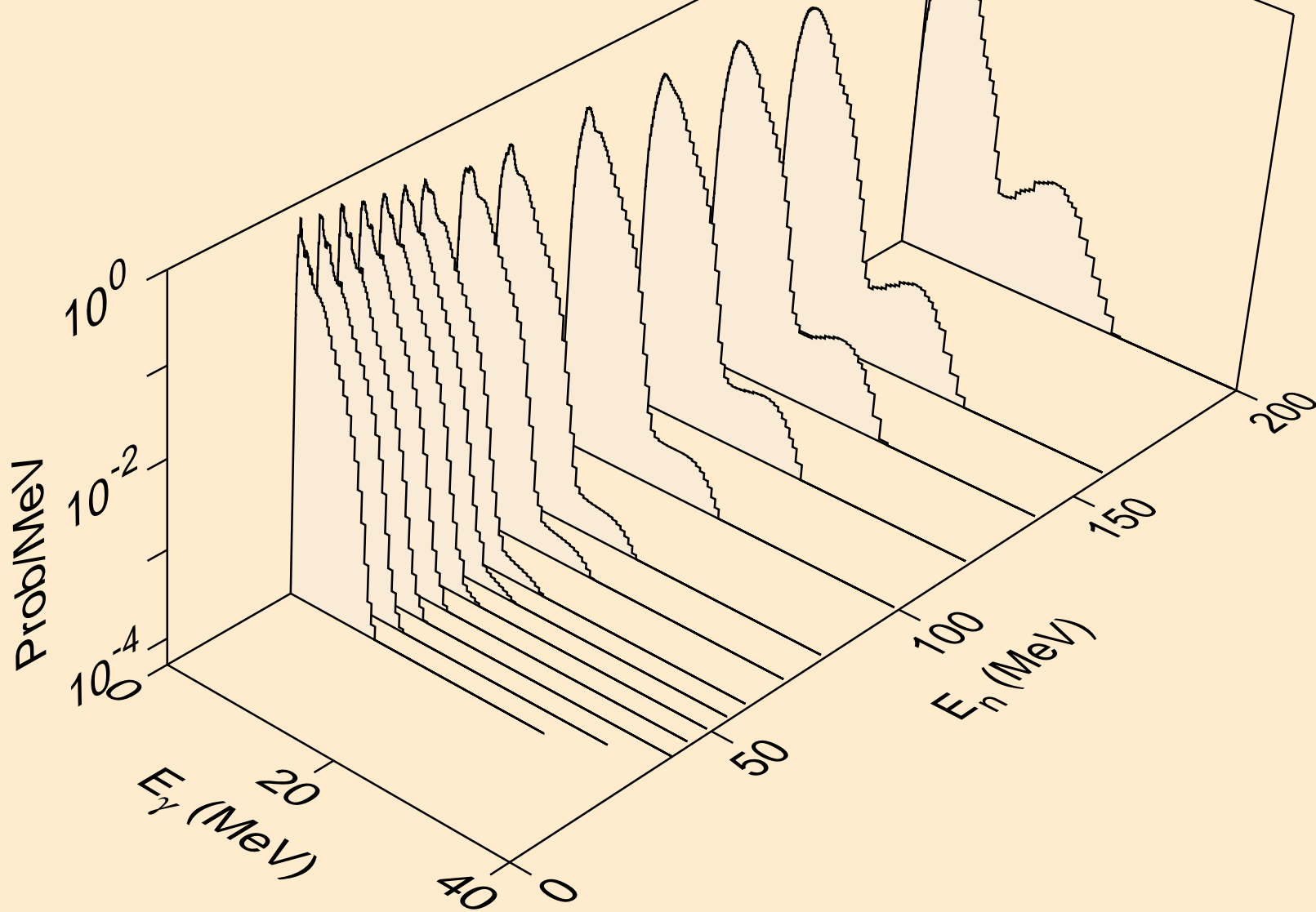
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,da)



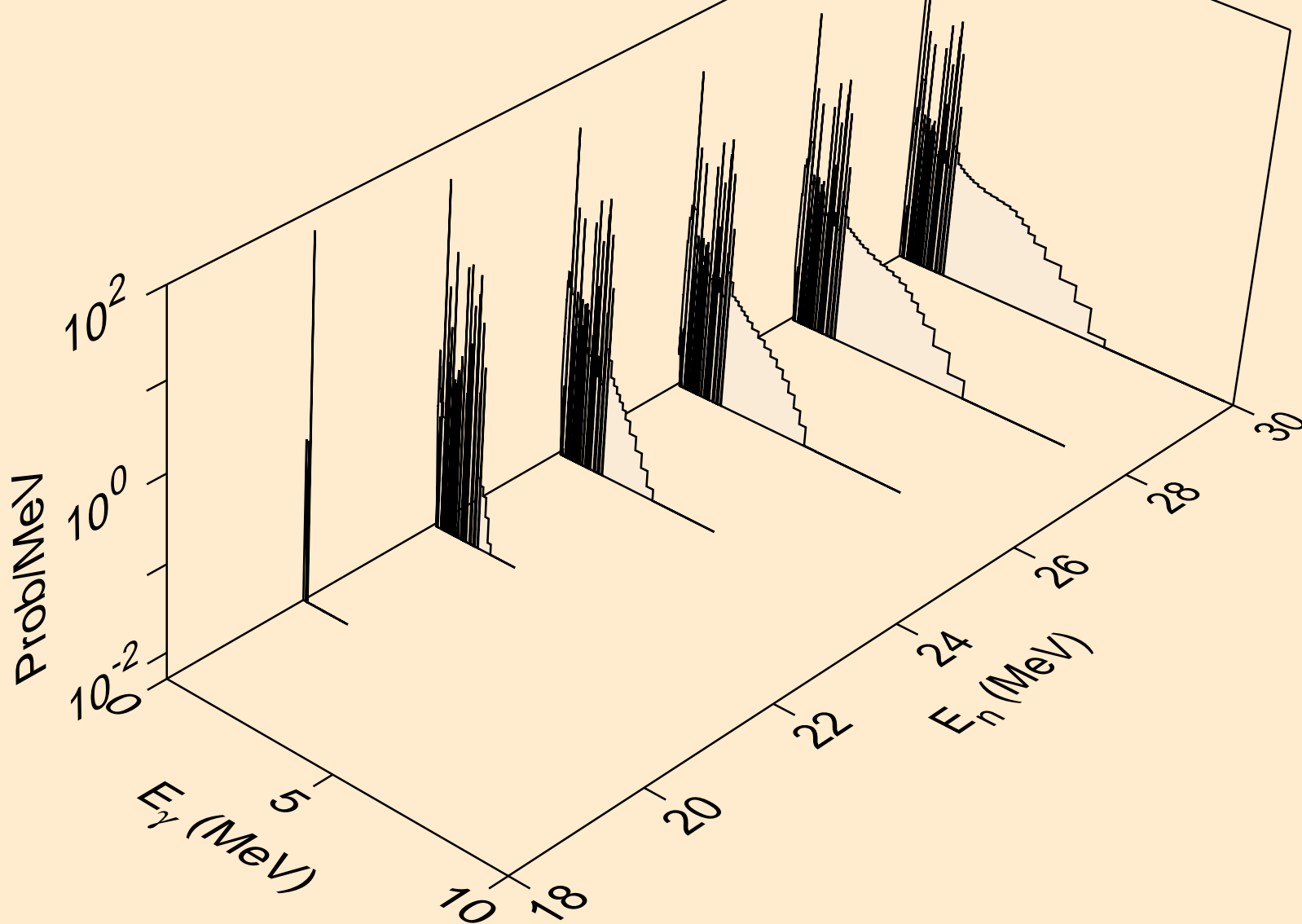
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



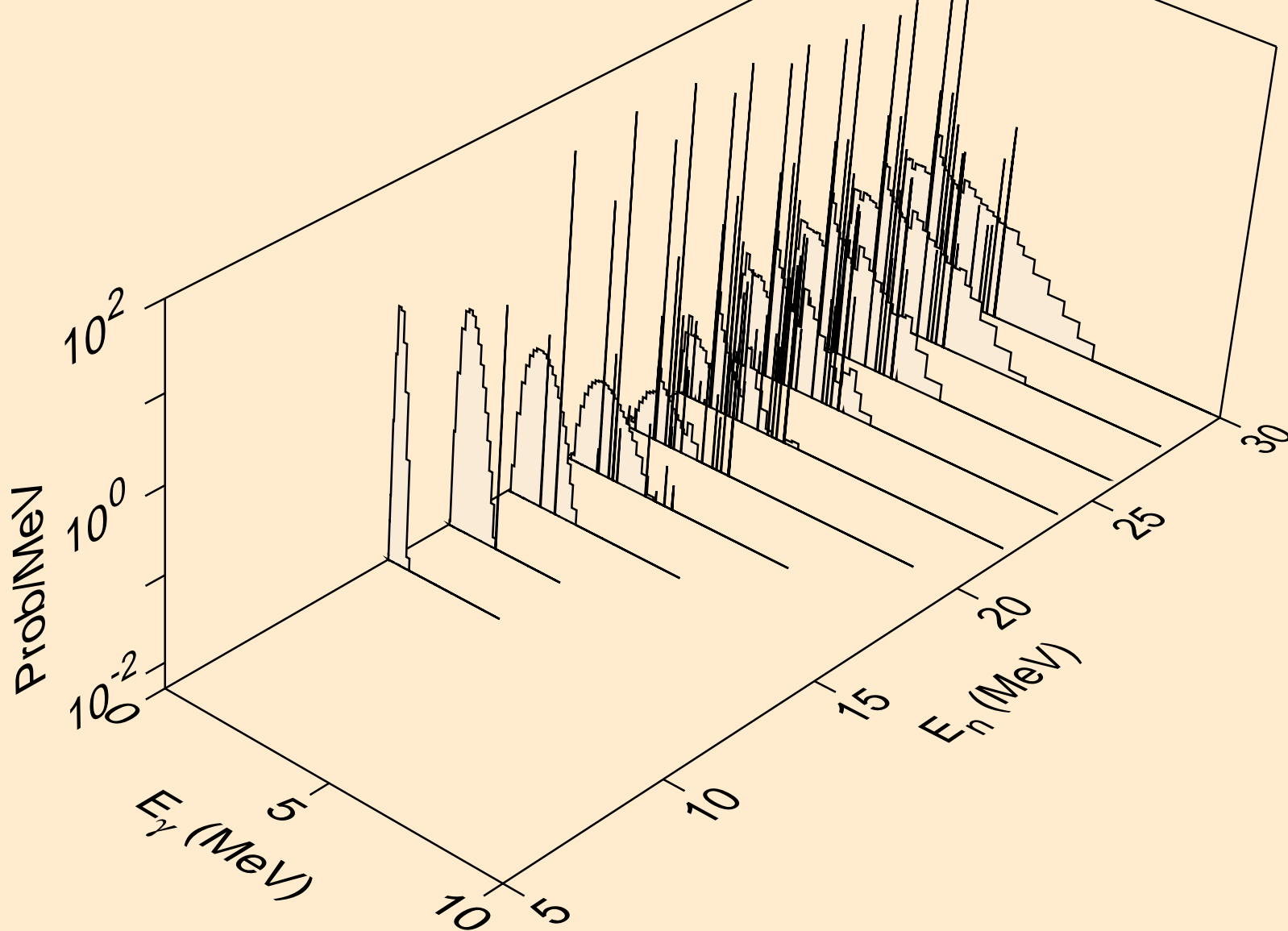
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



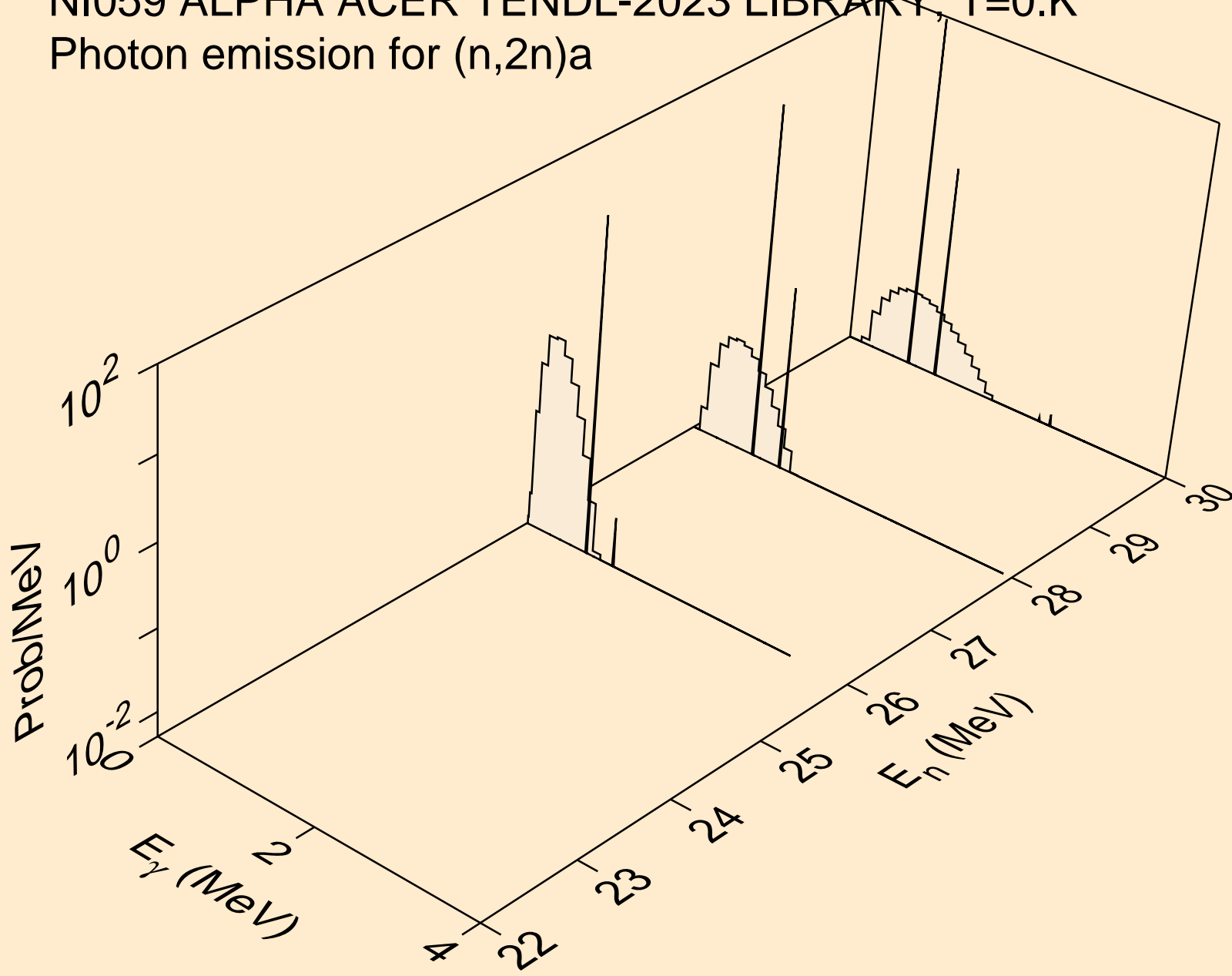
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



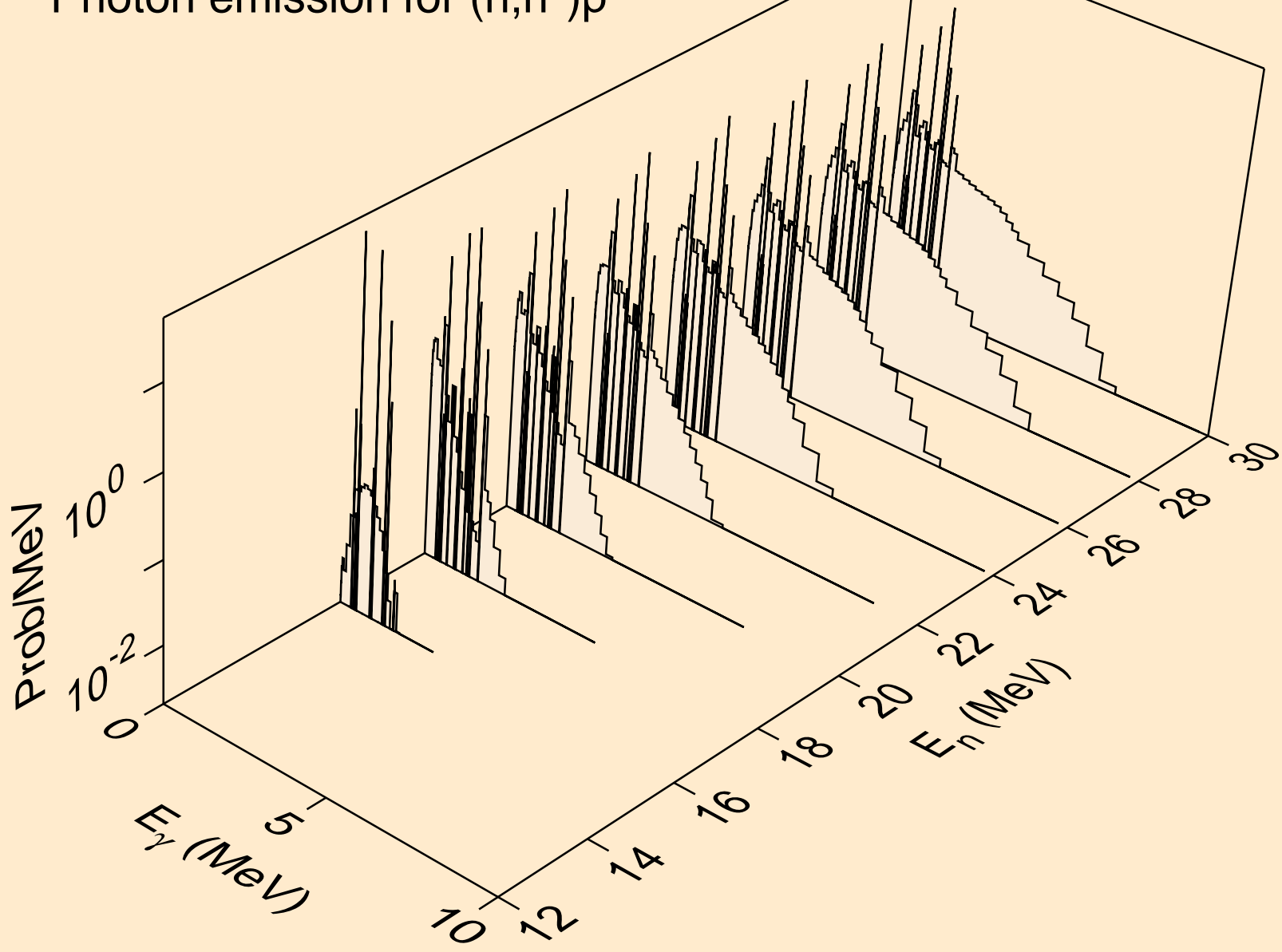
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



NI059 ALPHA ACER TENDL-2023 LIBRARY: T=0.K  
Photon emission for (n,2n)a

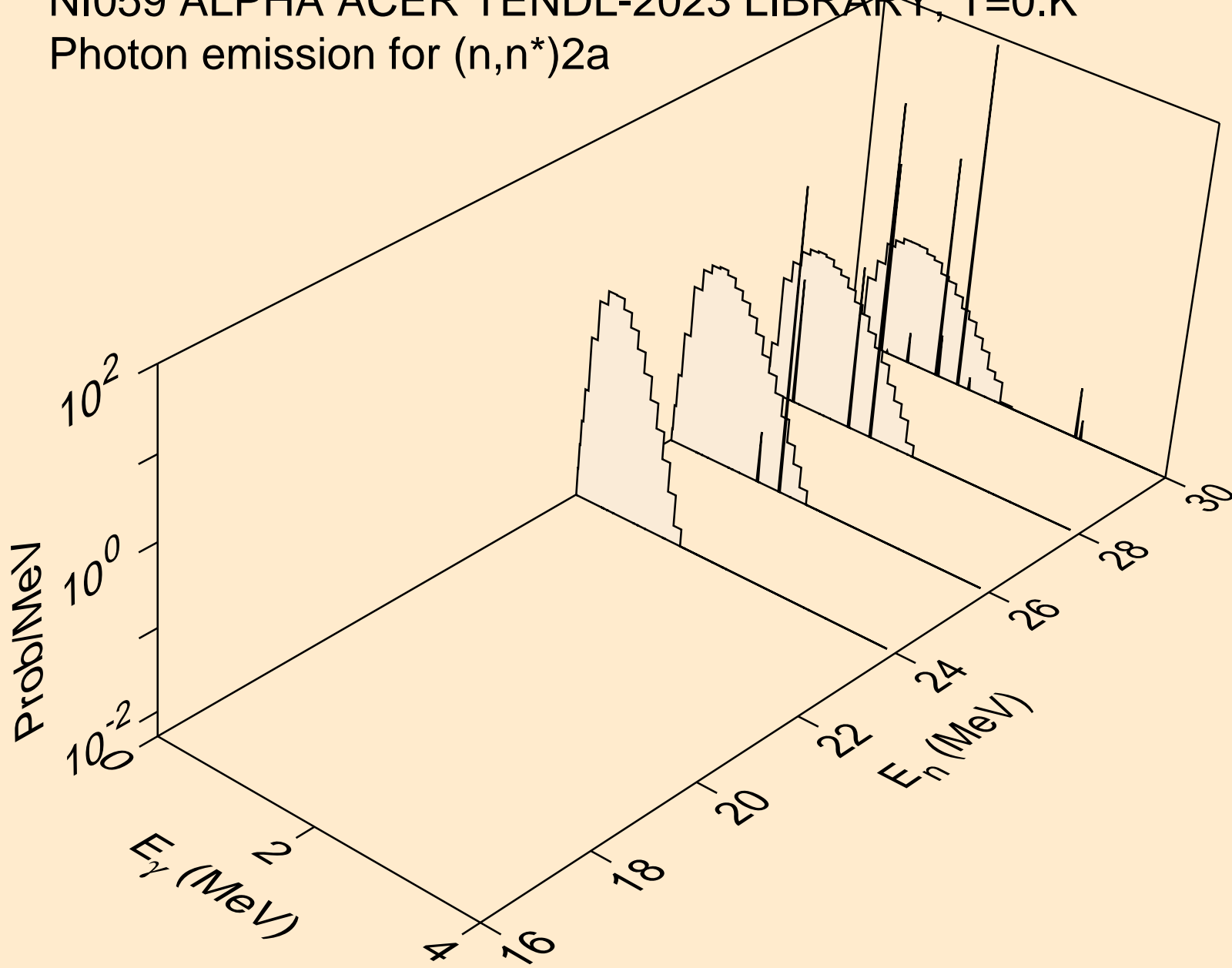


NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

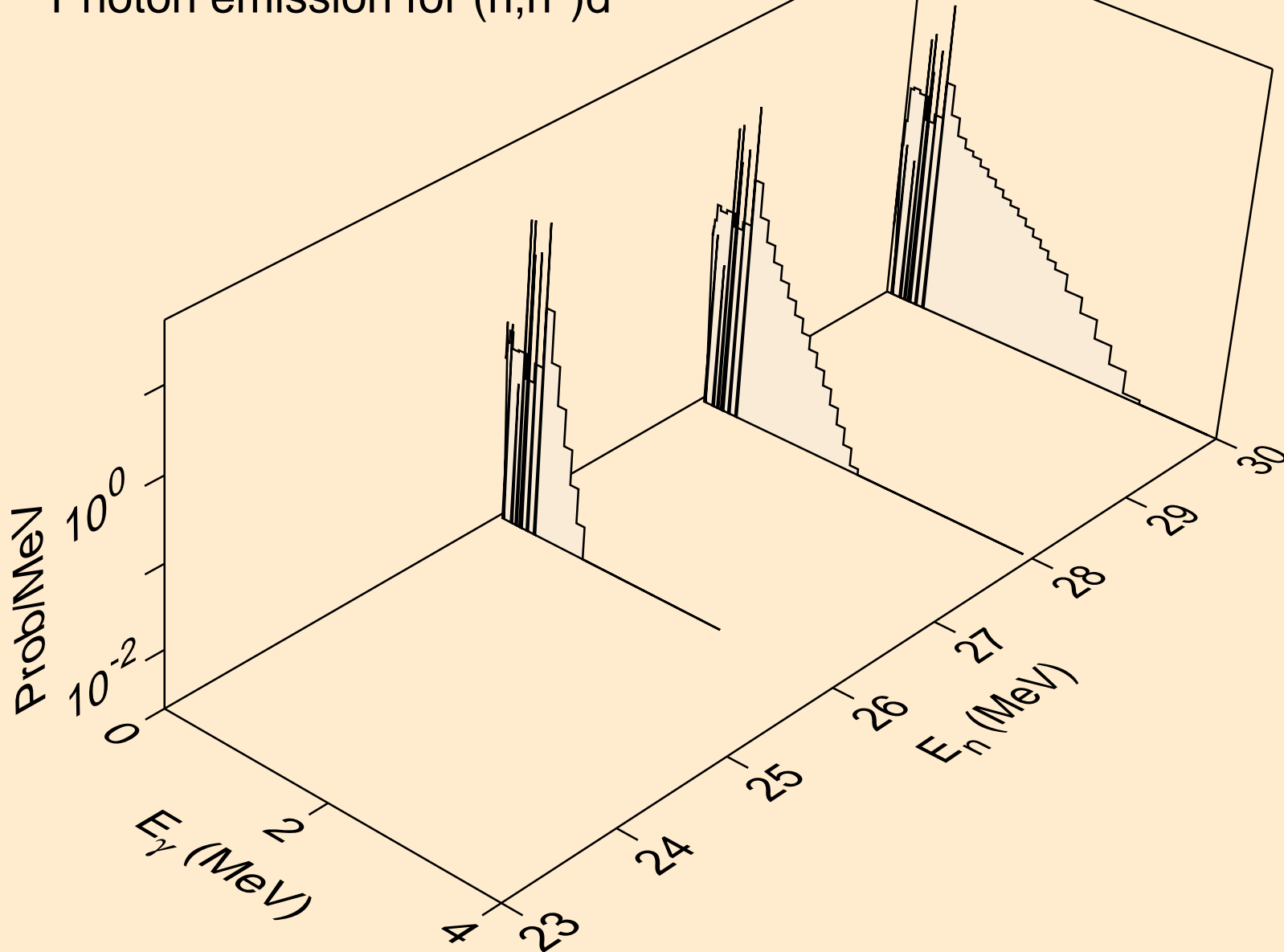




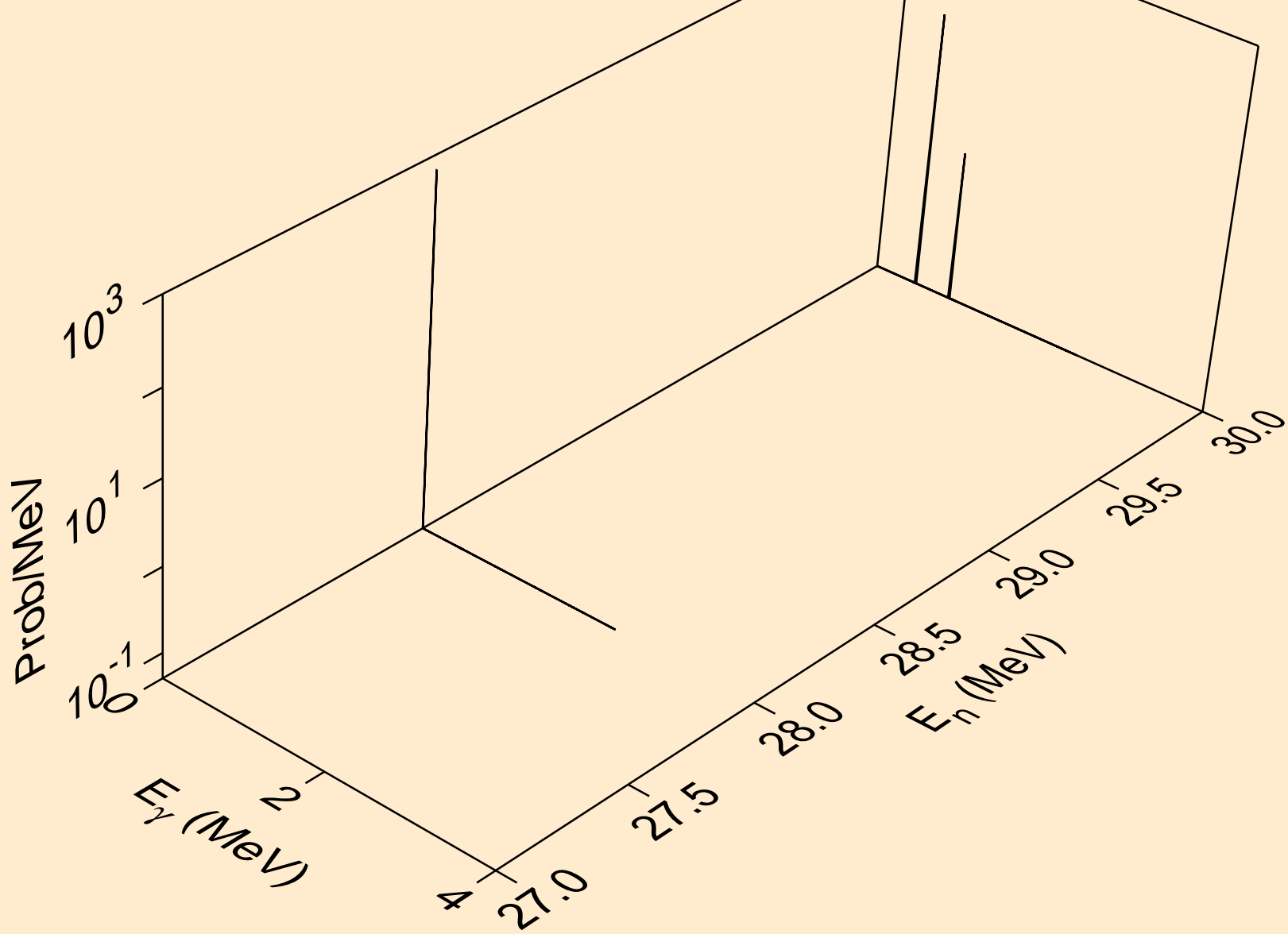
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



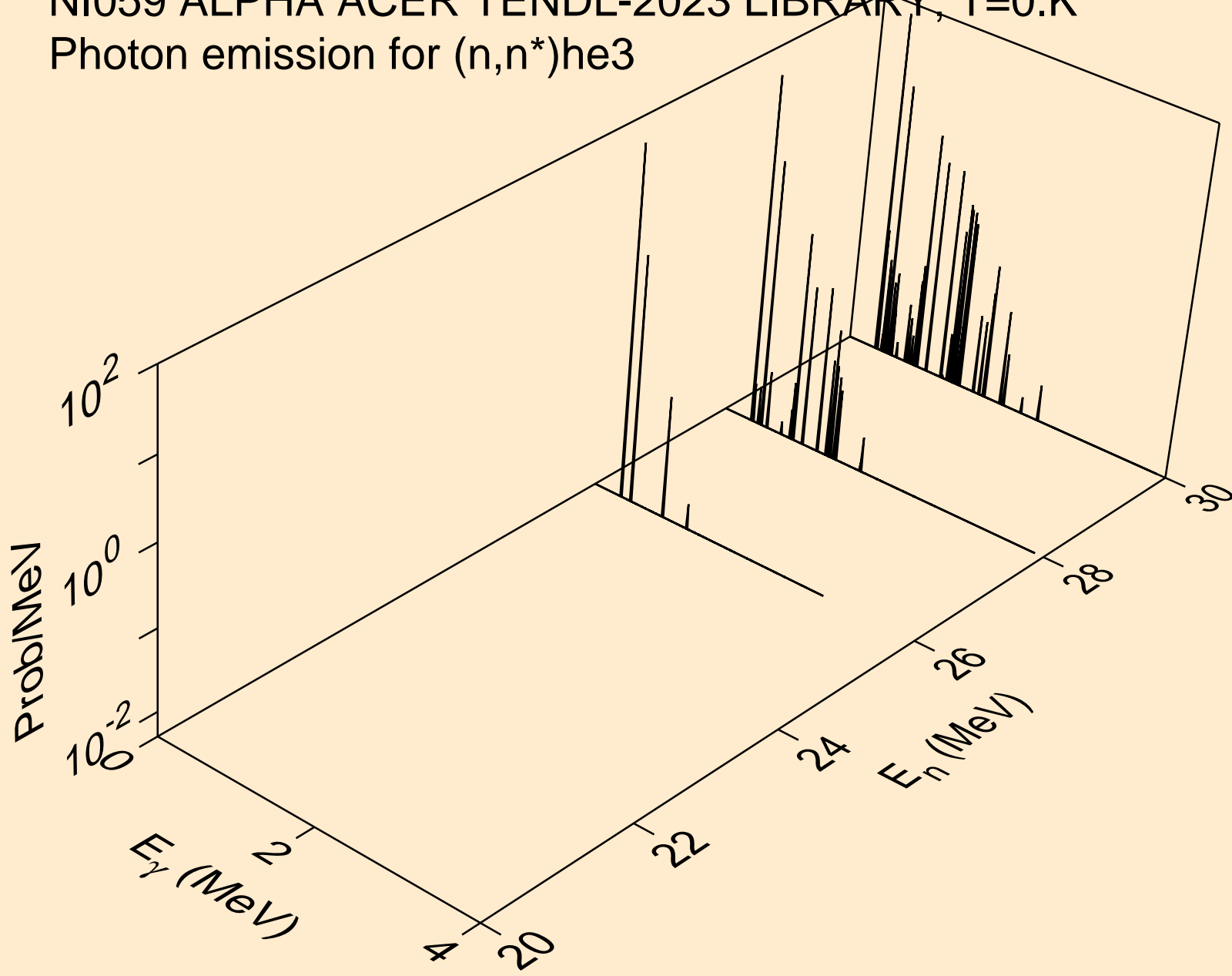
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



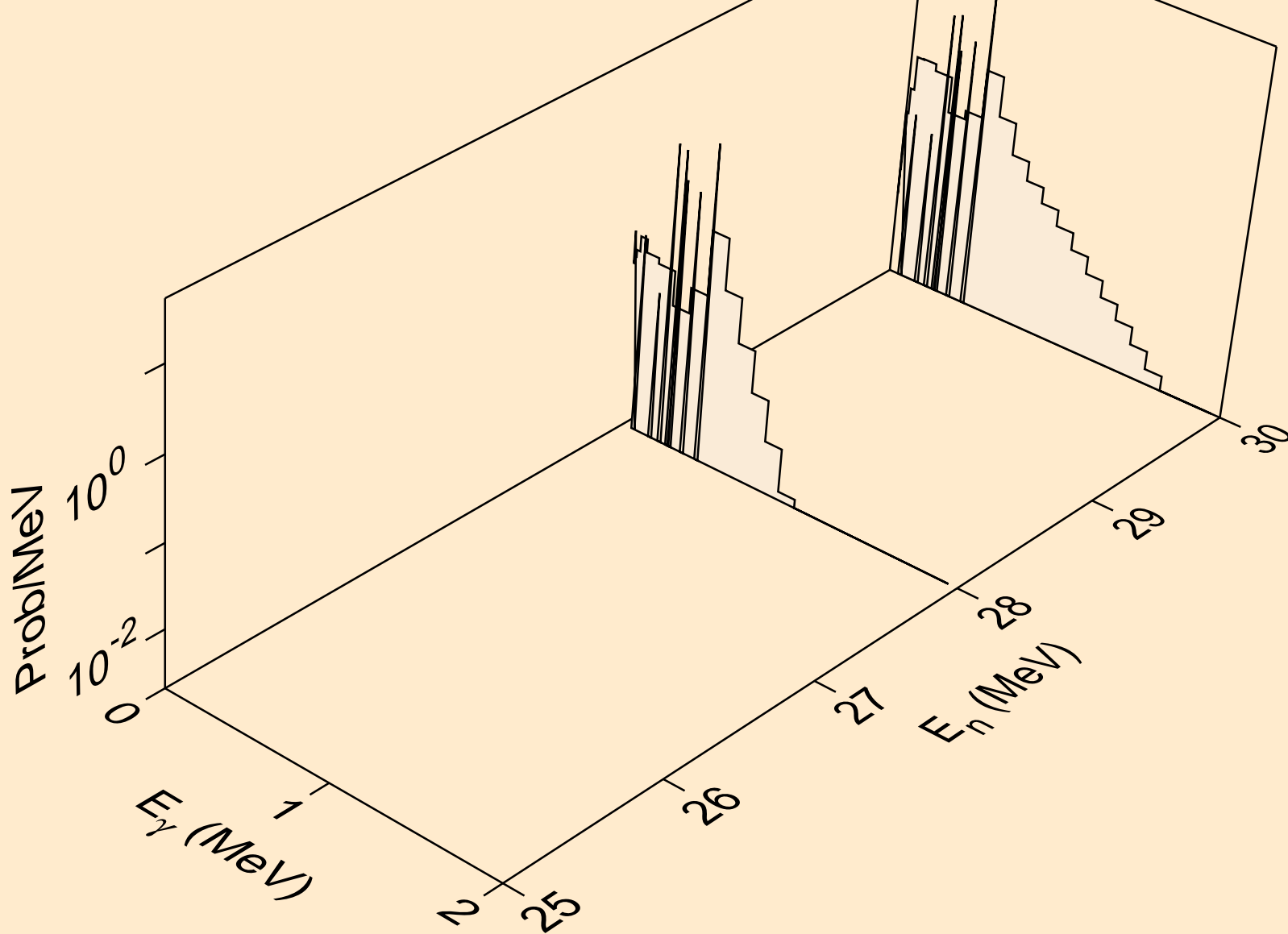
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



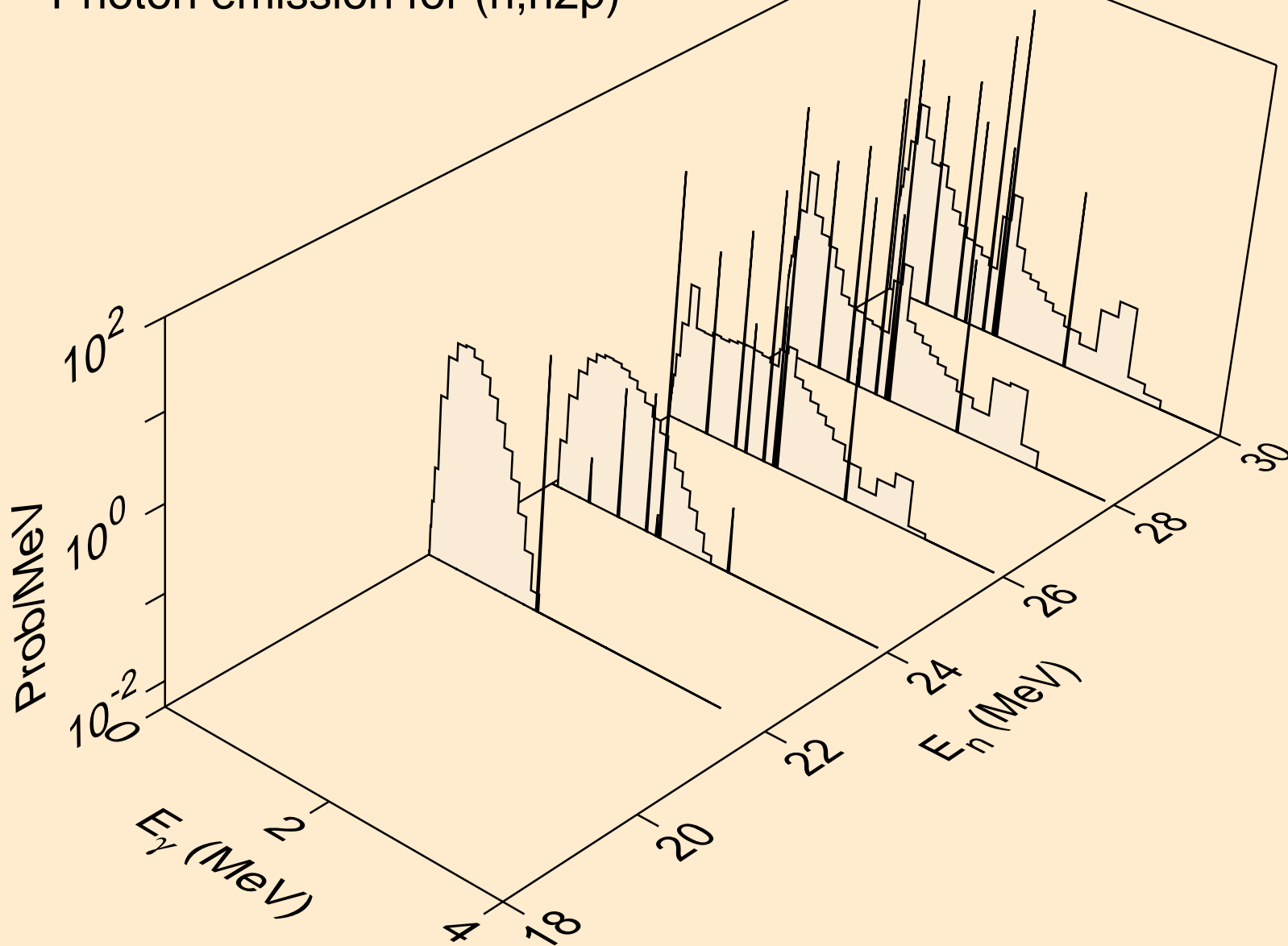
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



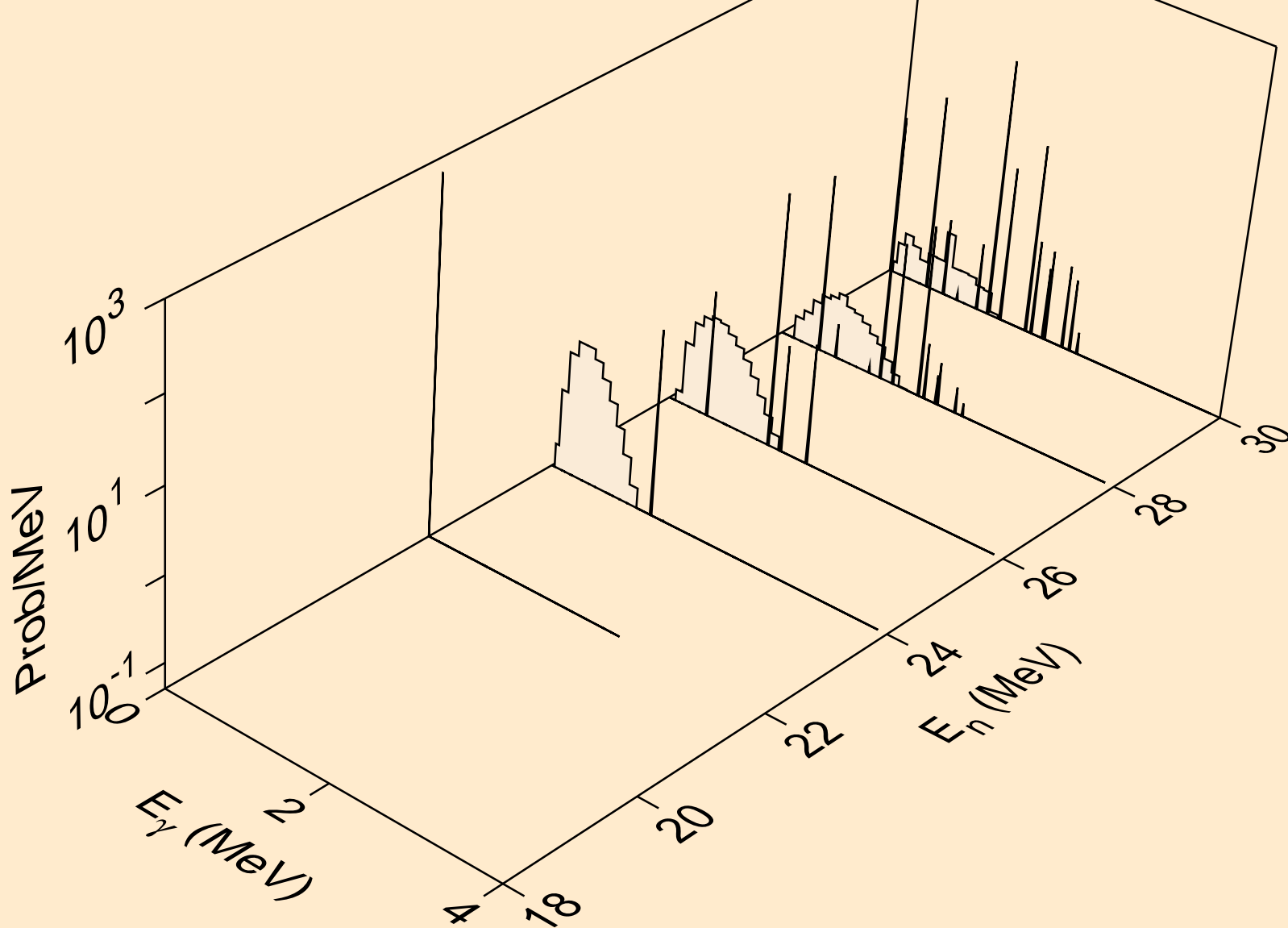
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



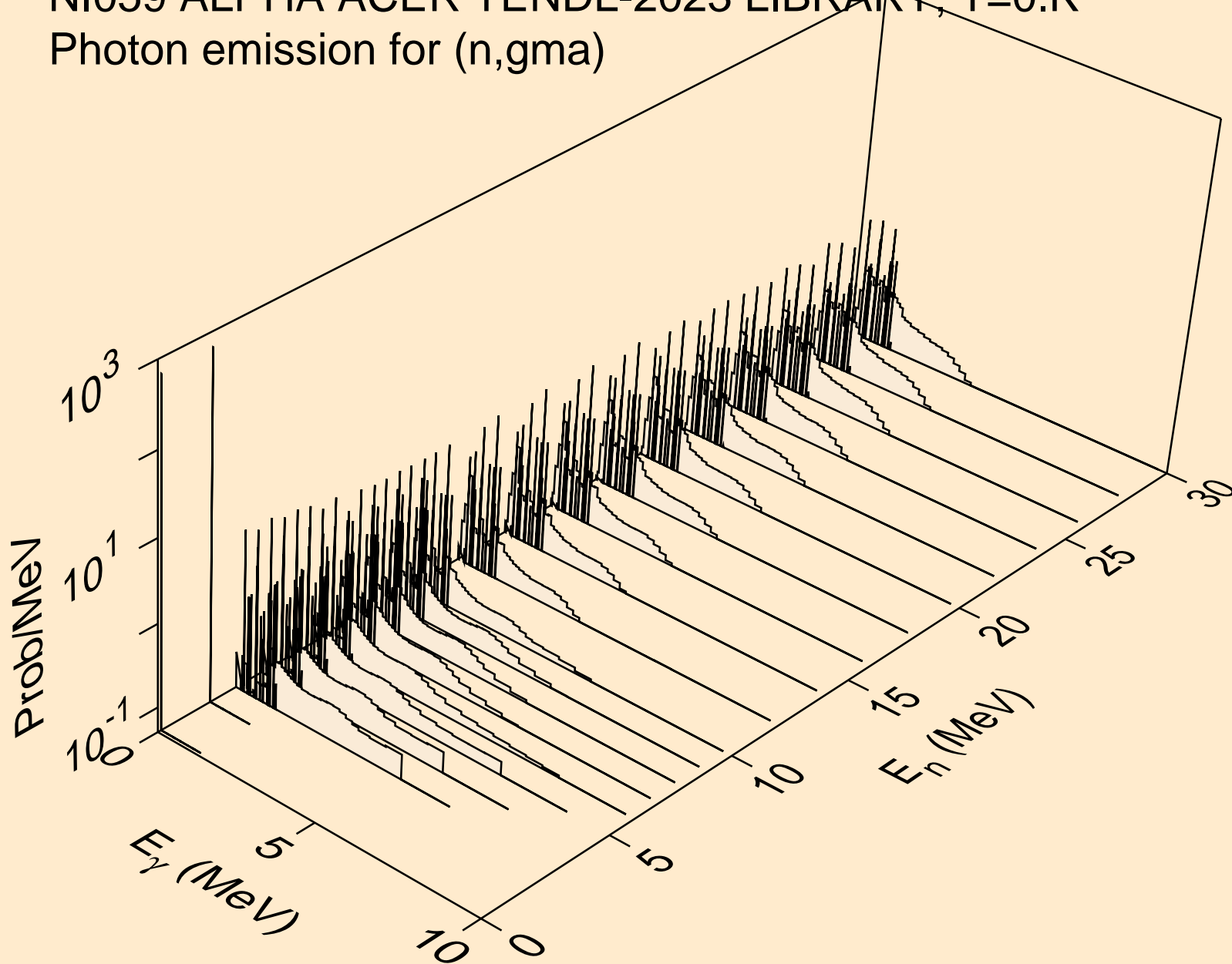
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)

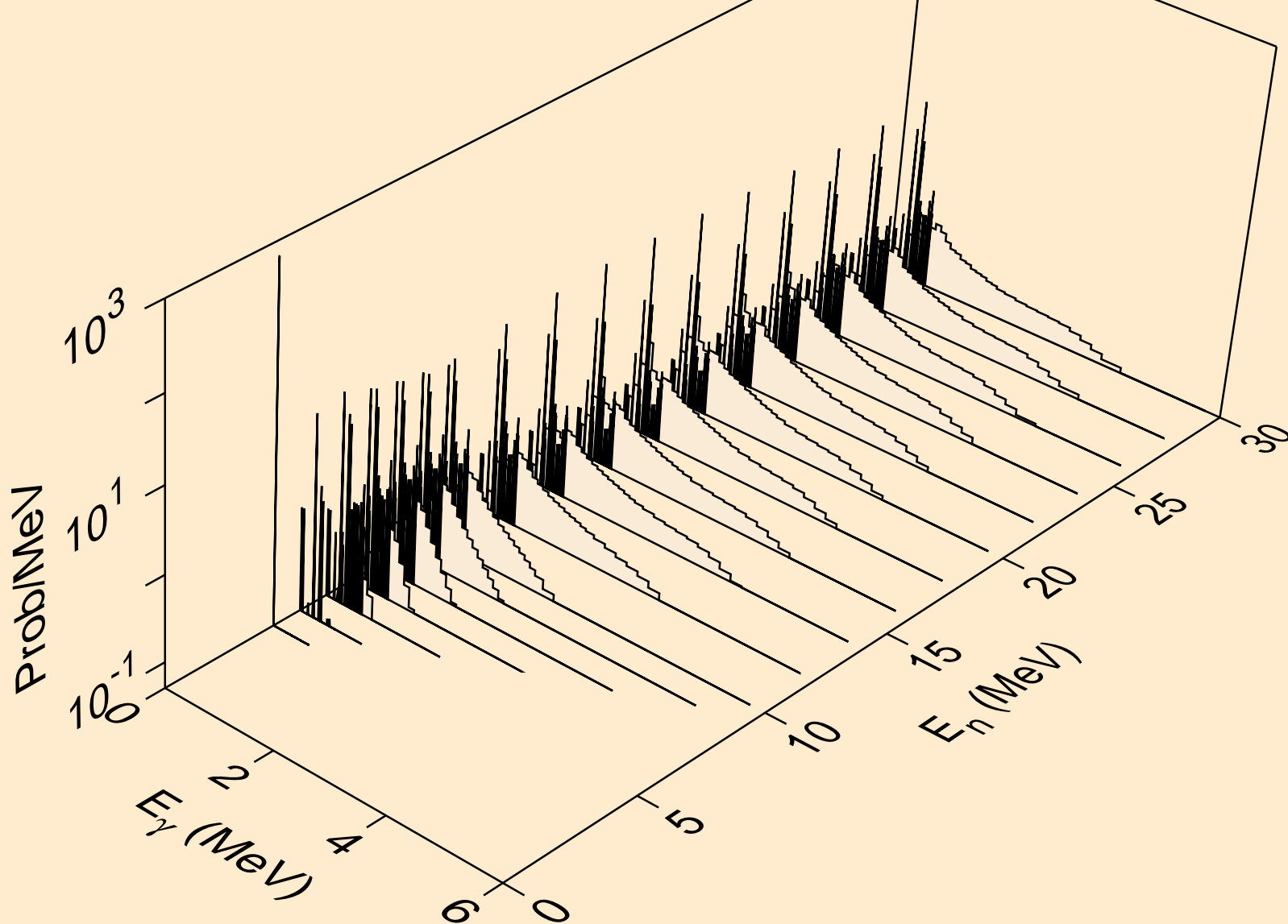


NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)

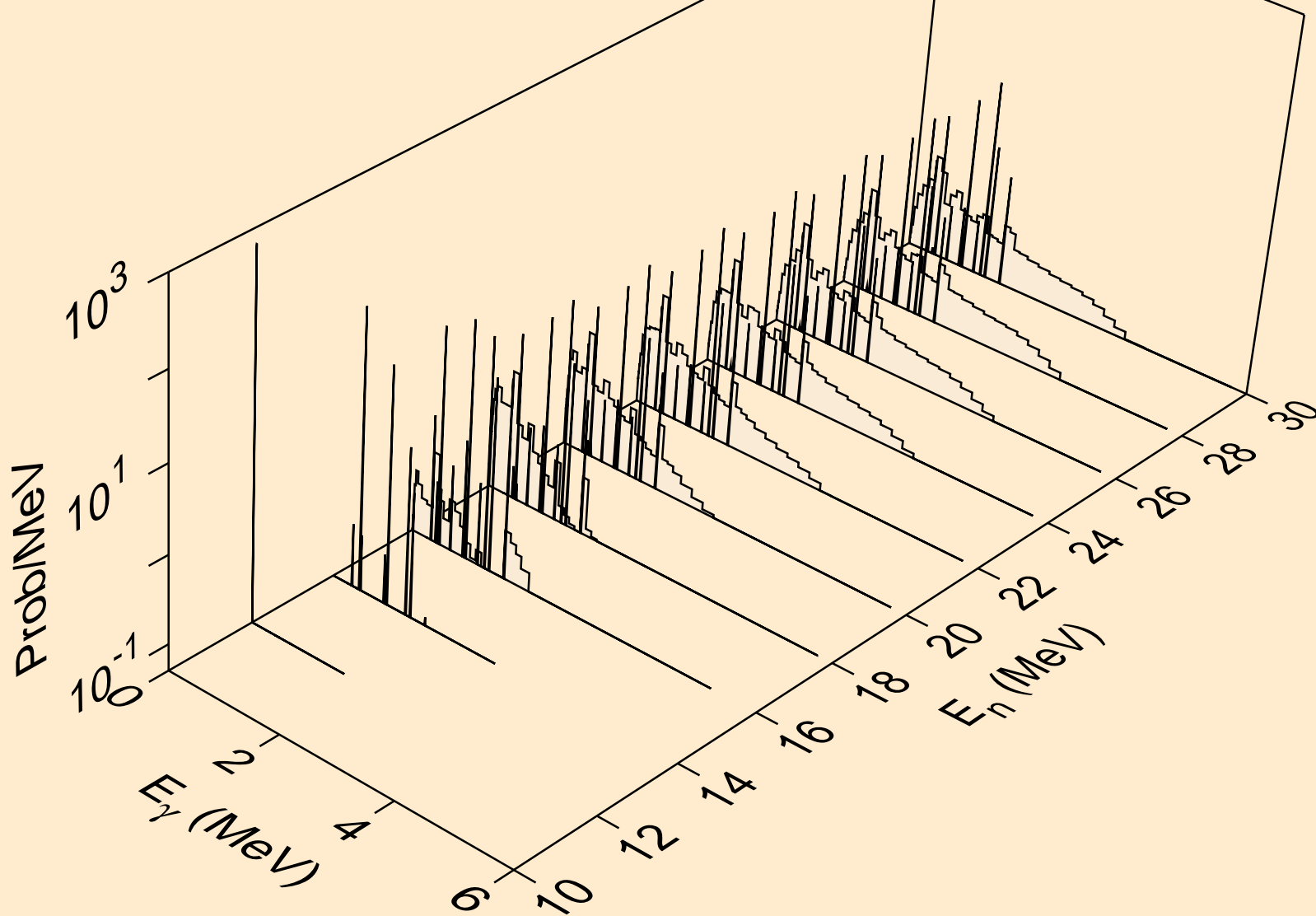




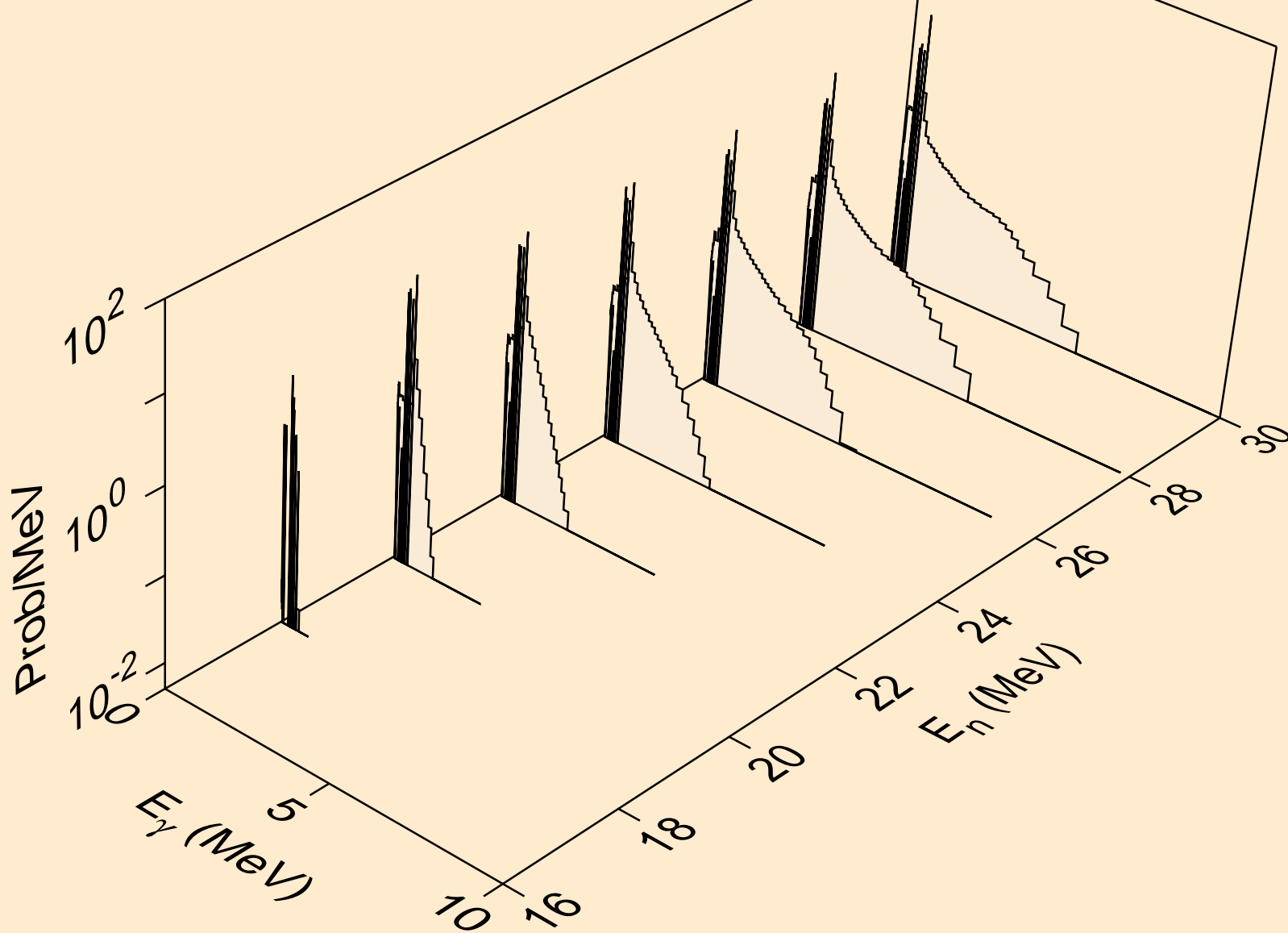
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Photon emission for (n,p)



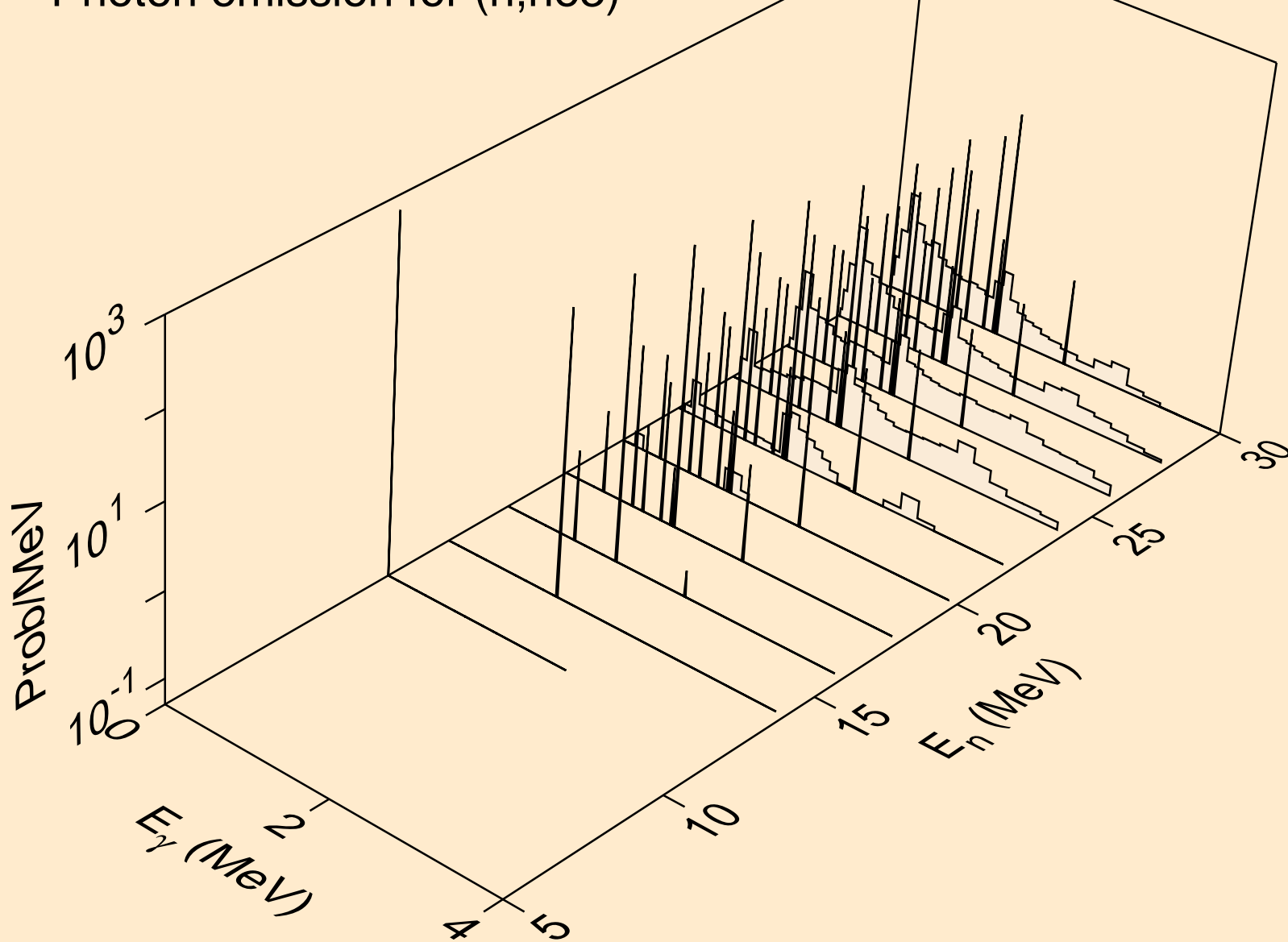
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



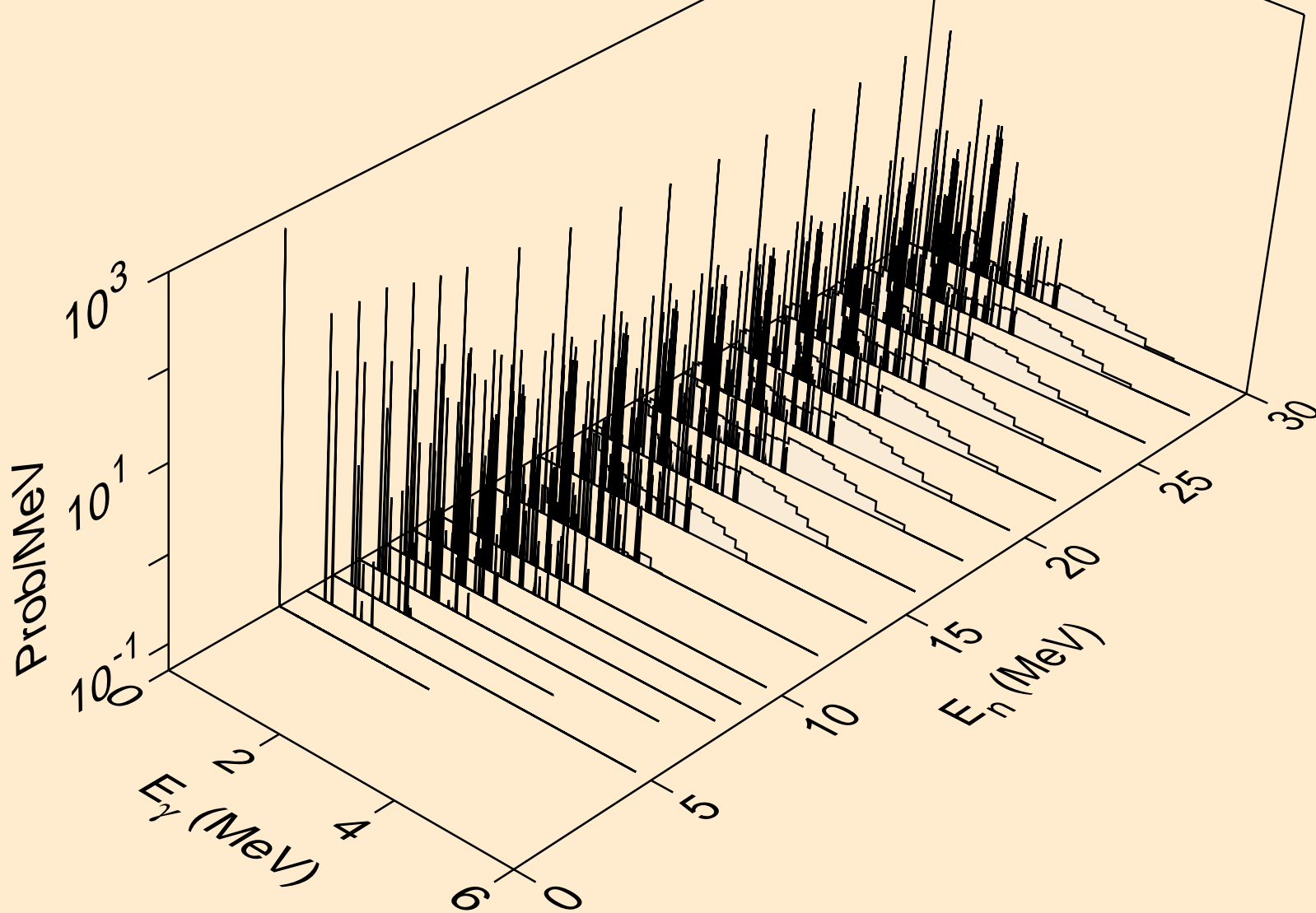
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



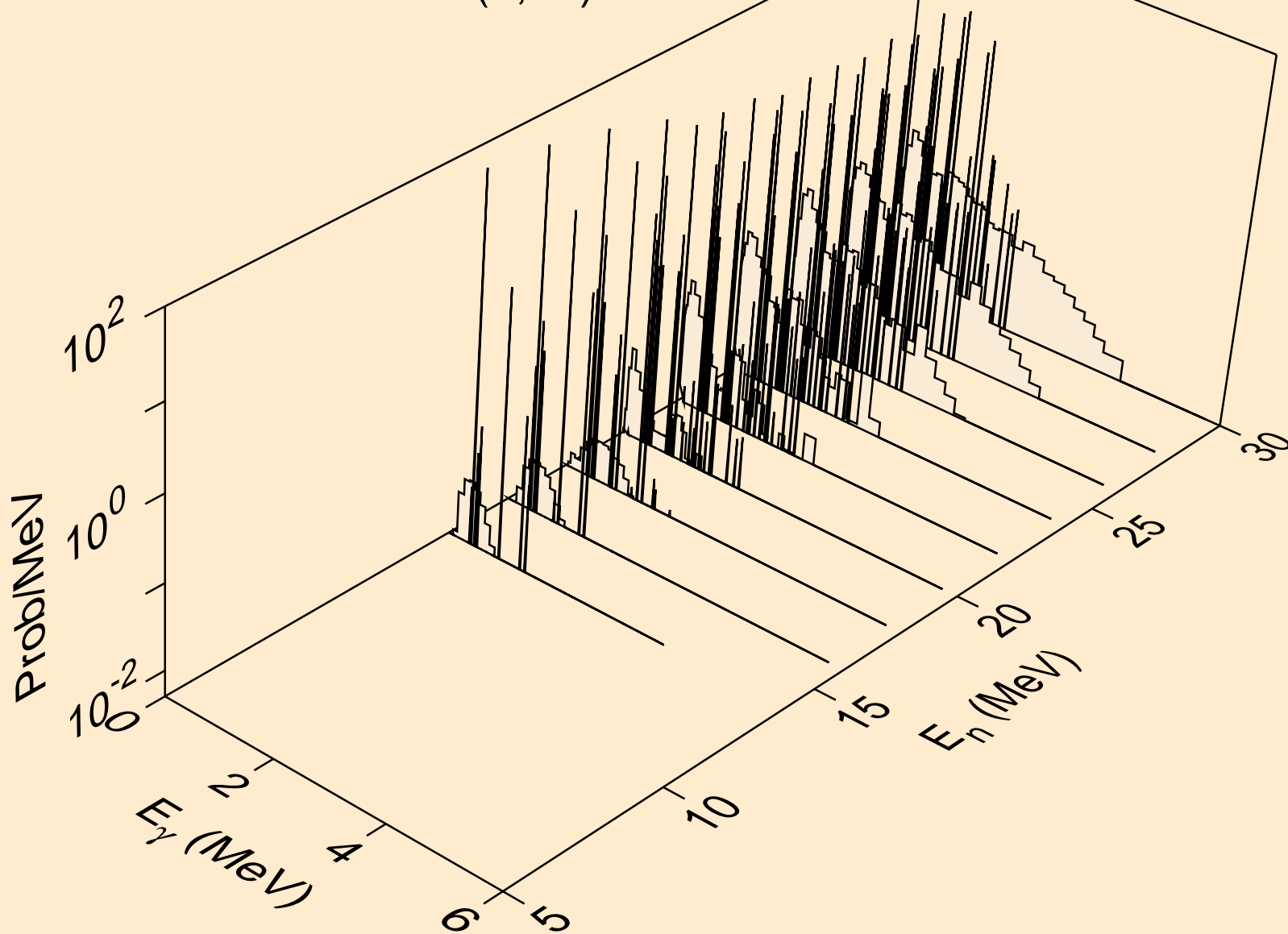
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Photon emission for (n,he3)



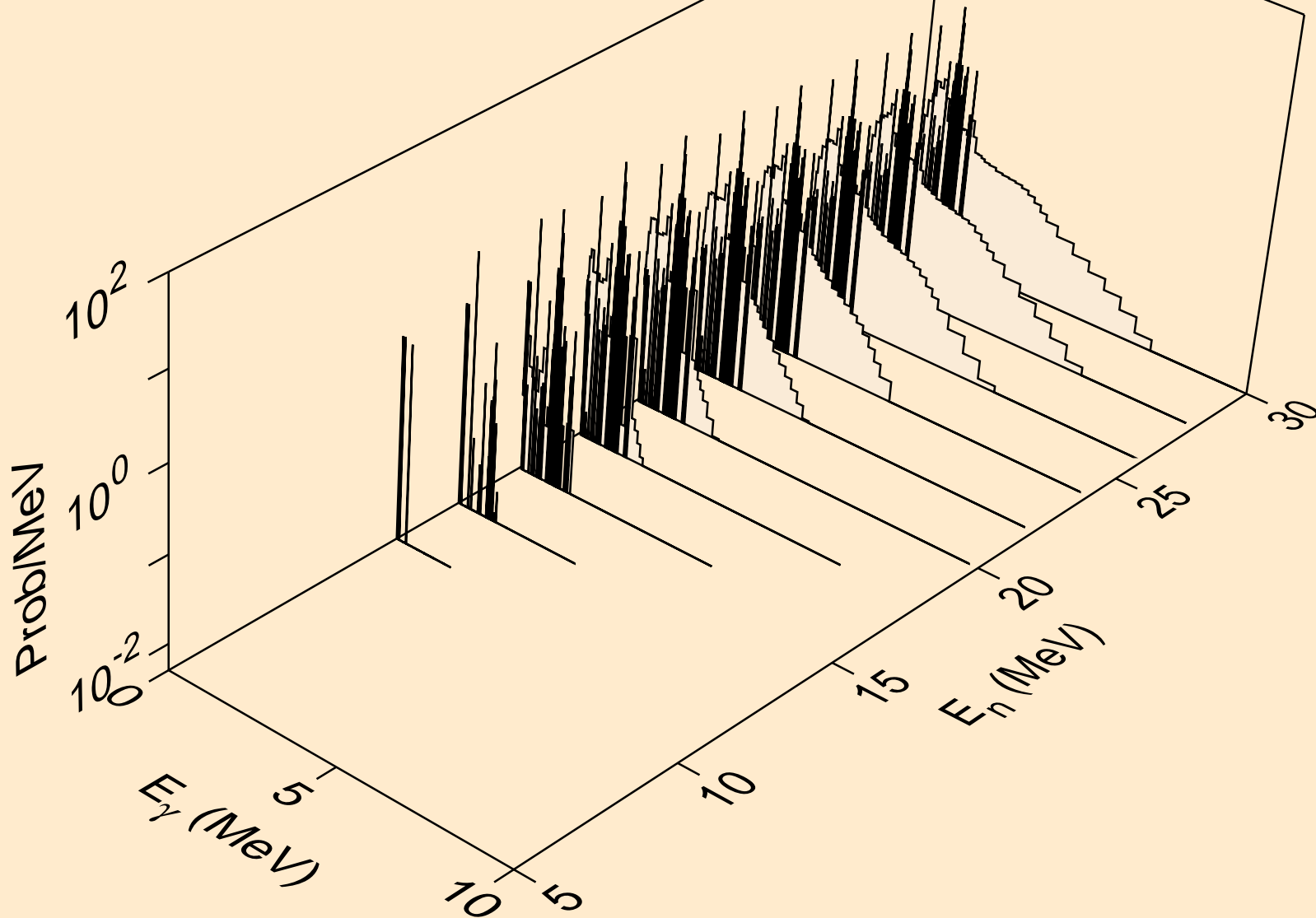
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



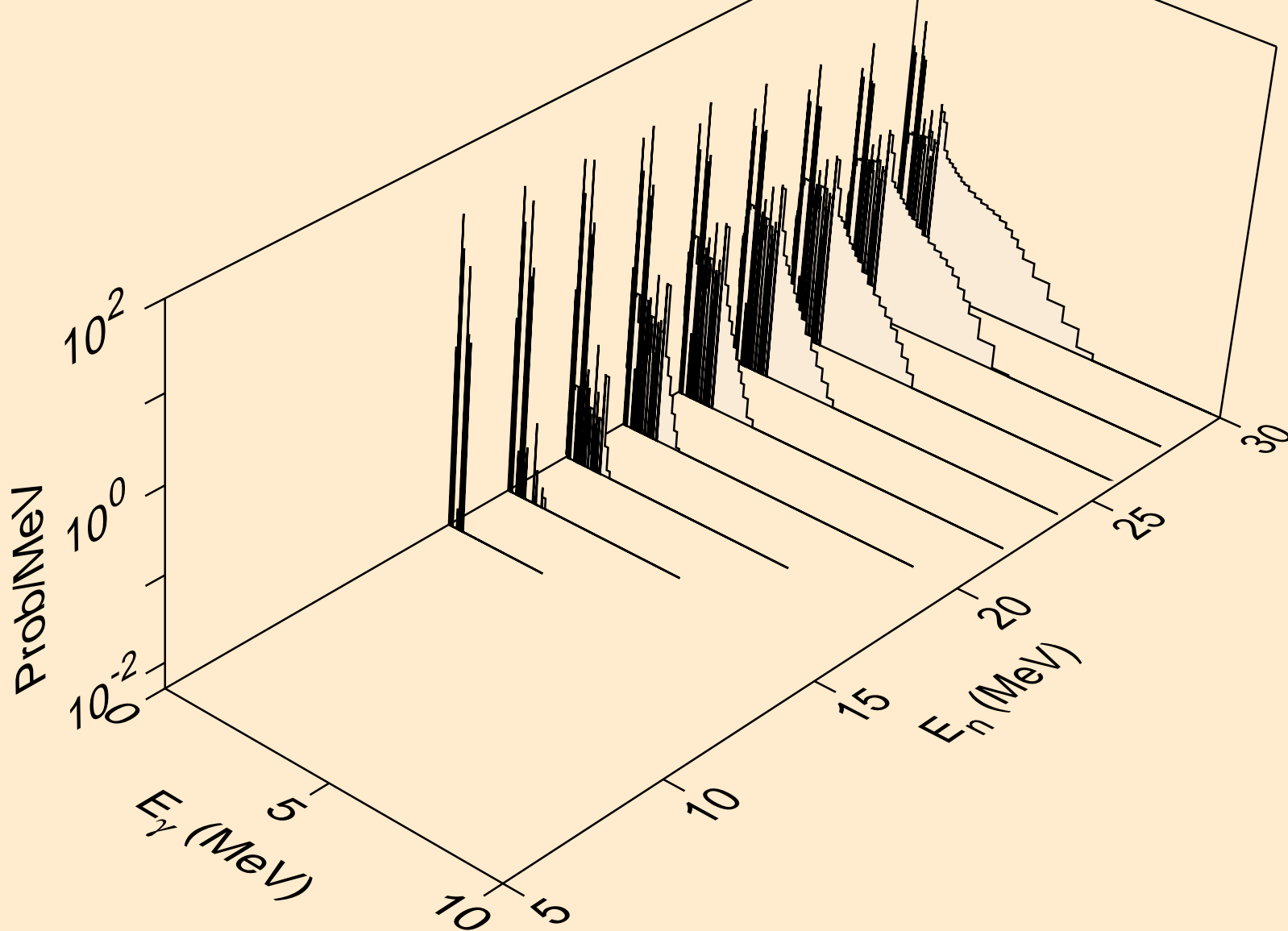
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)

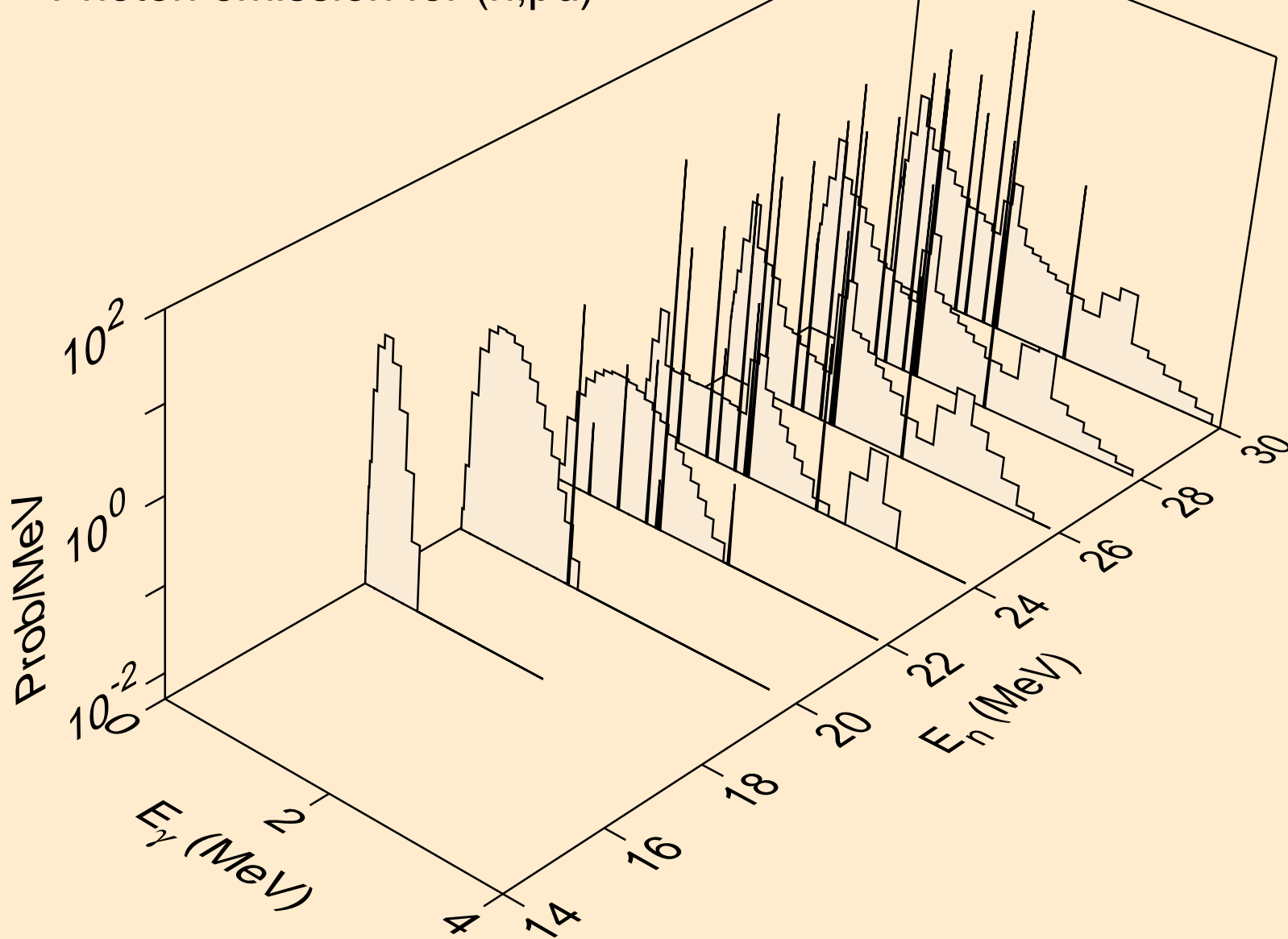


NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)

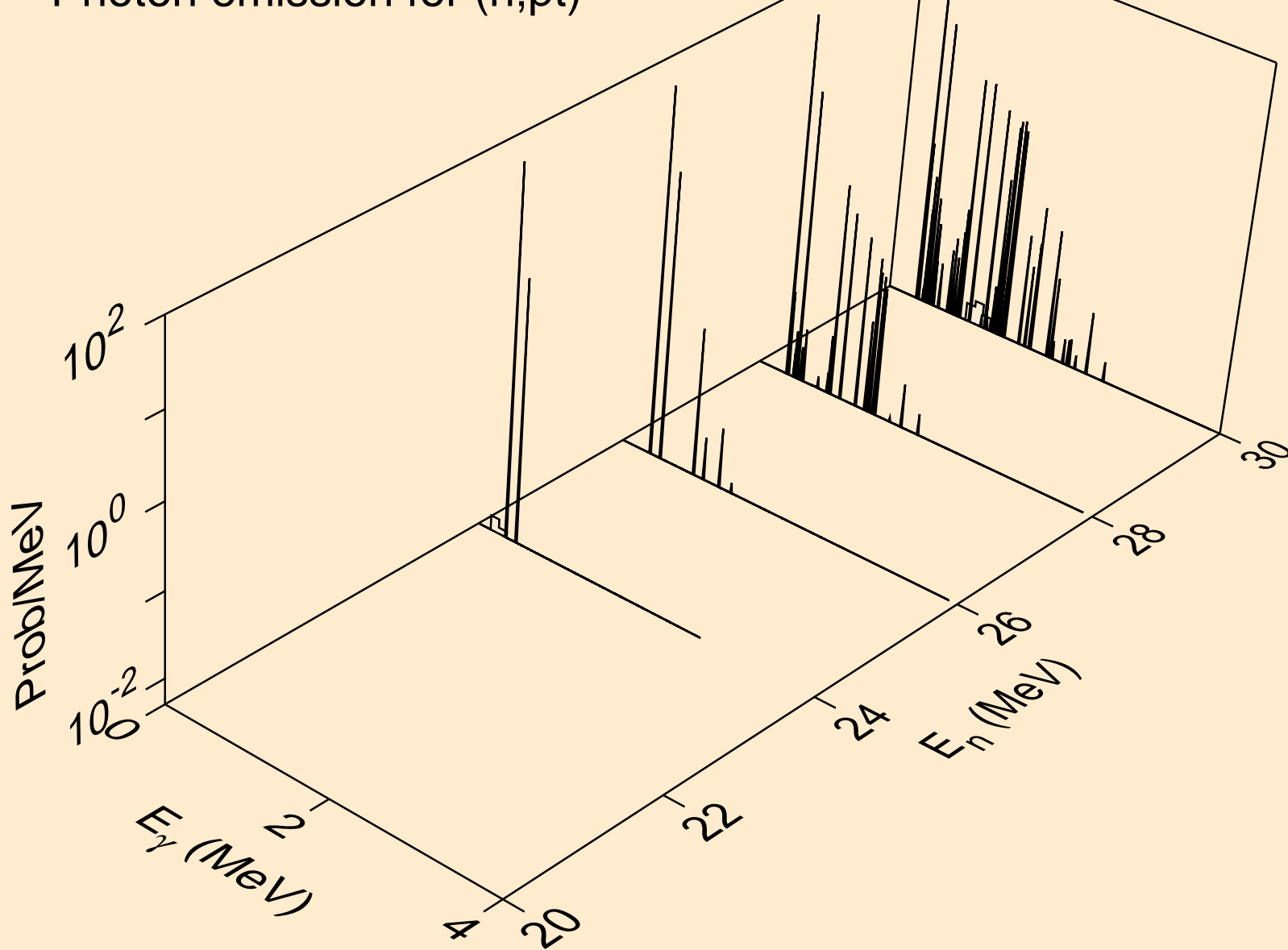




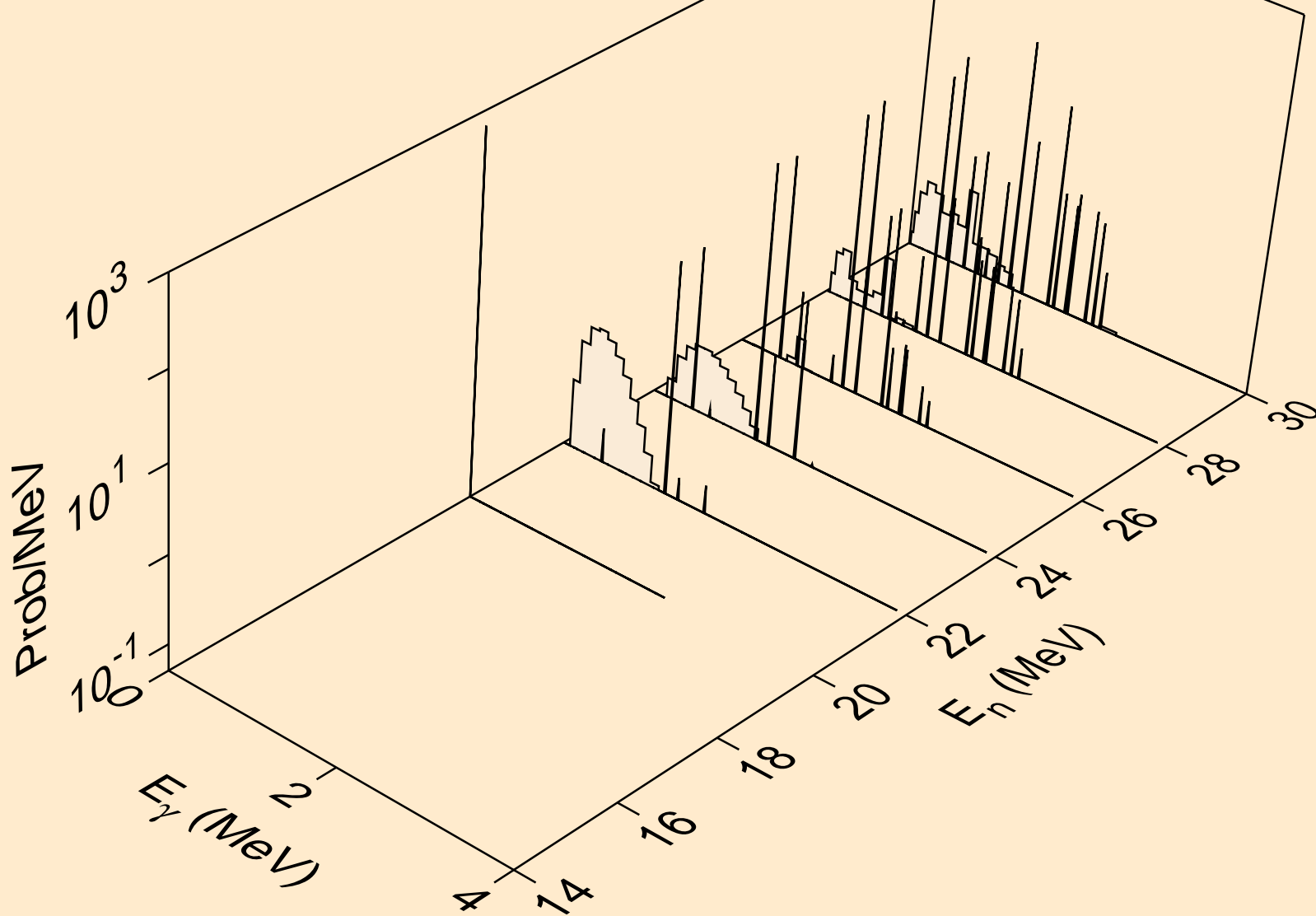
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

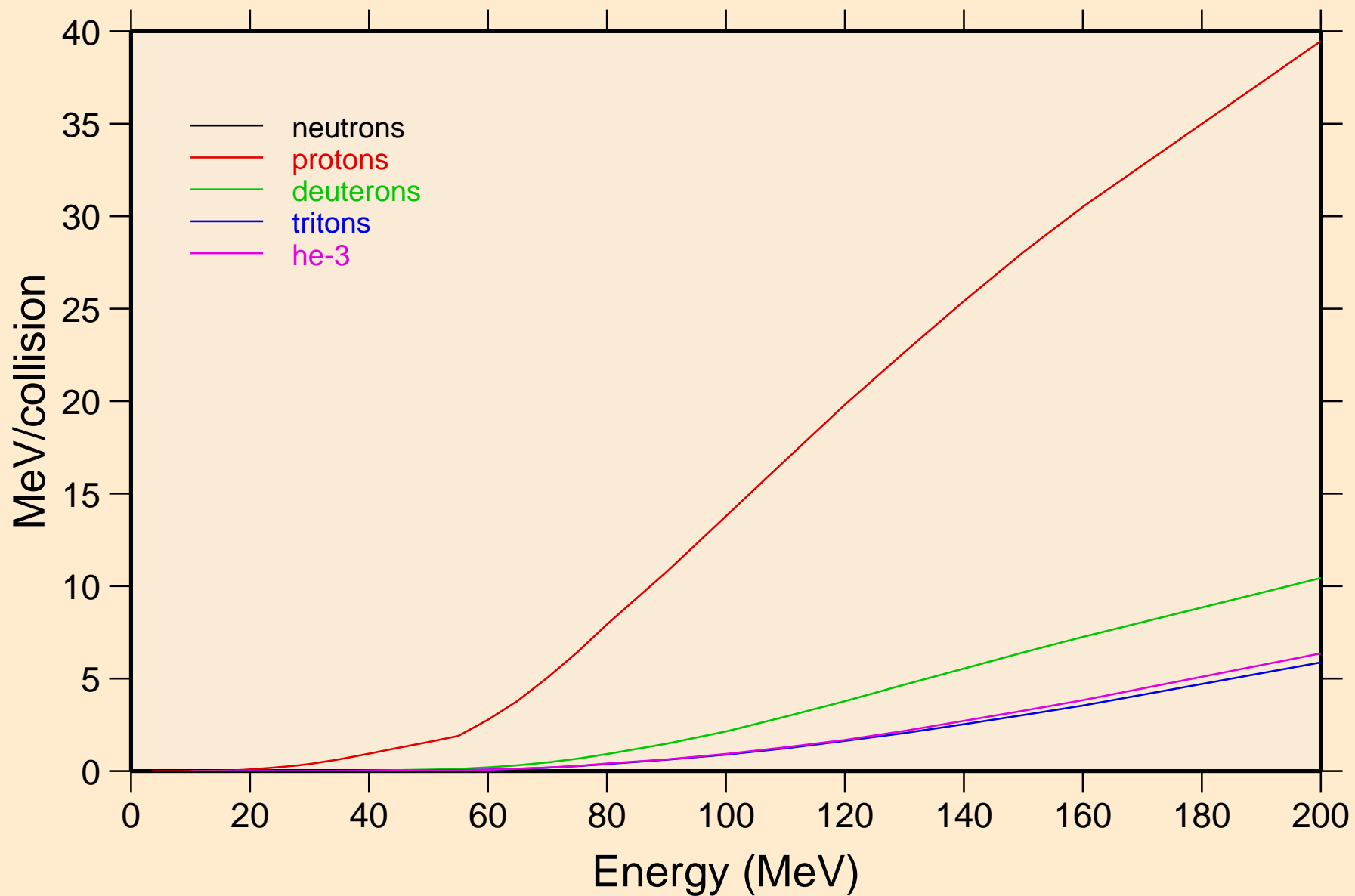


NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)

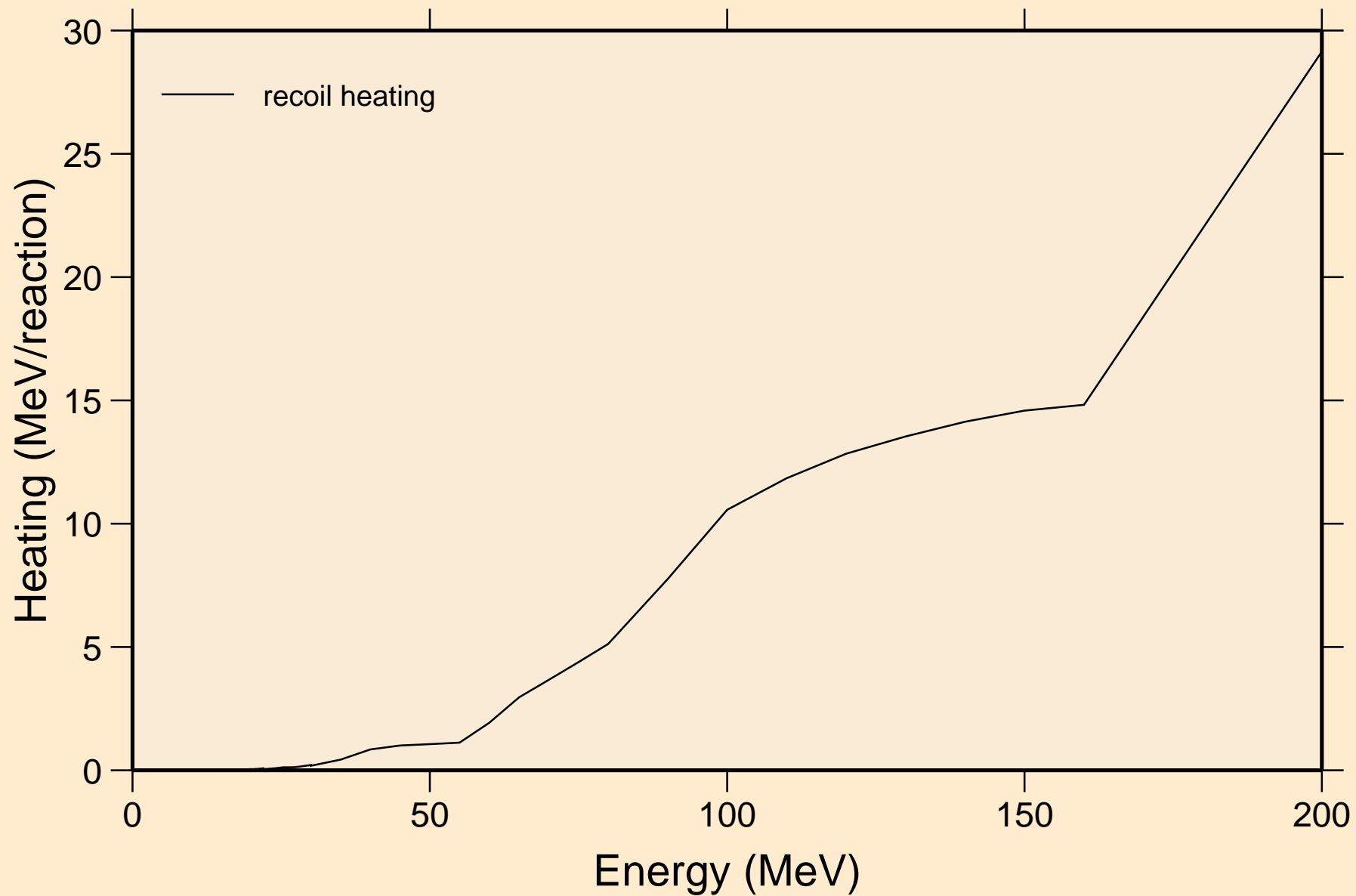


# NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

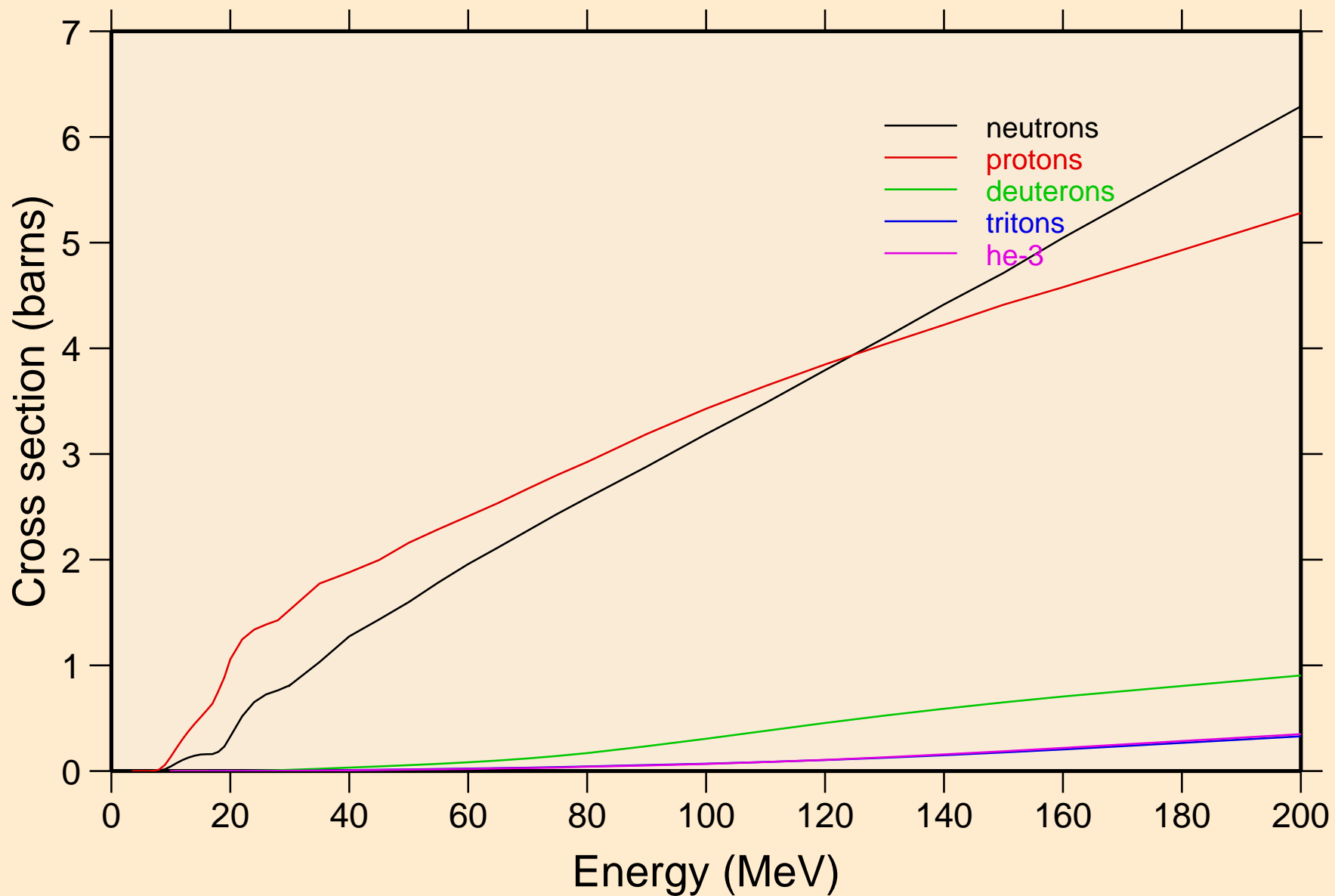


NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

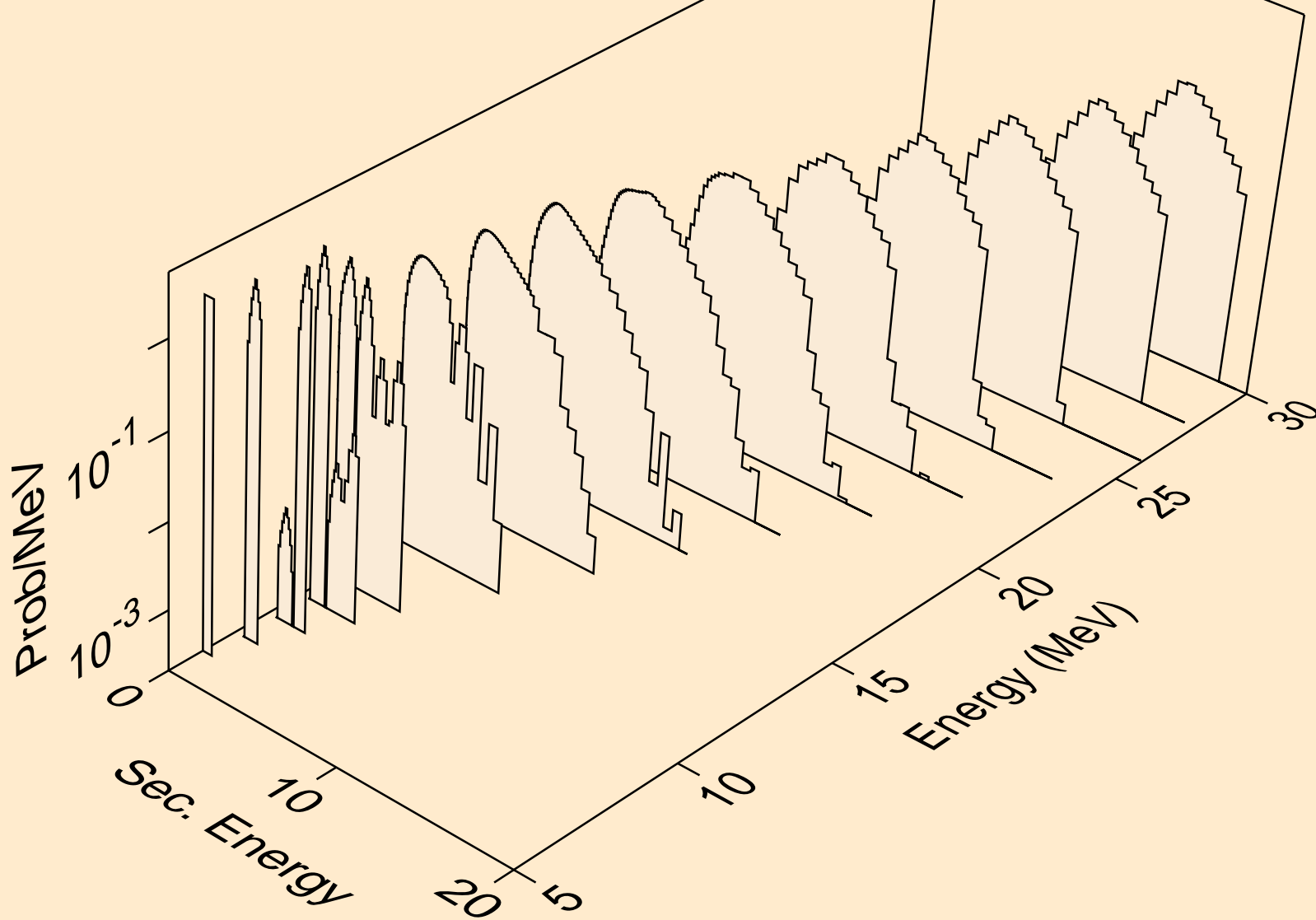


# NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

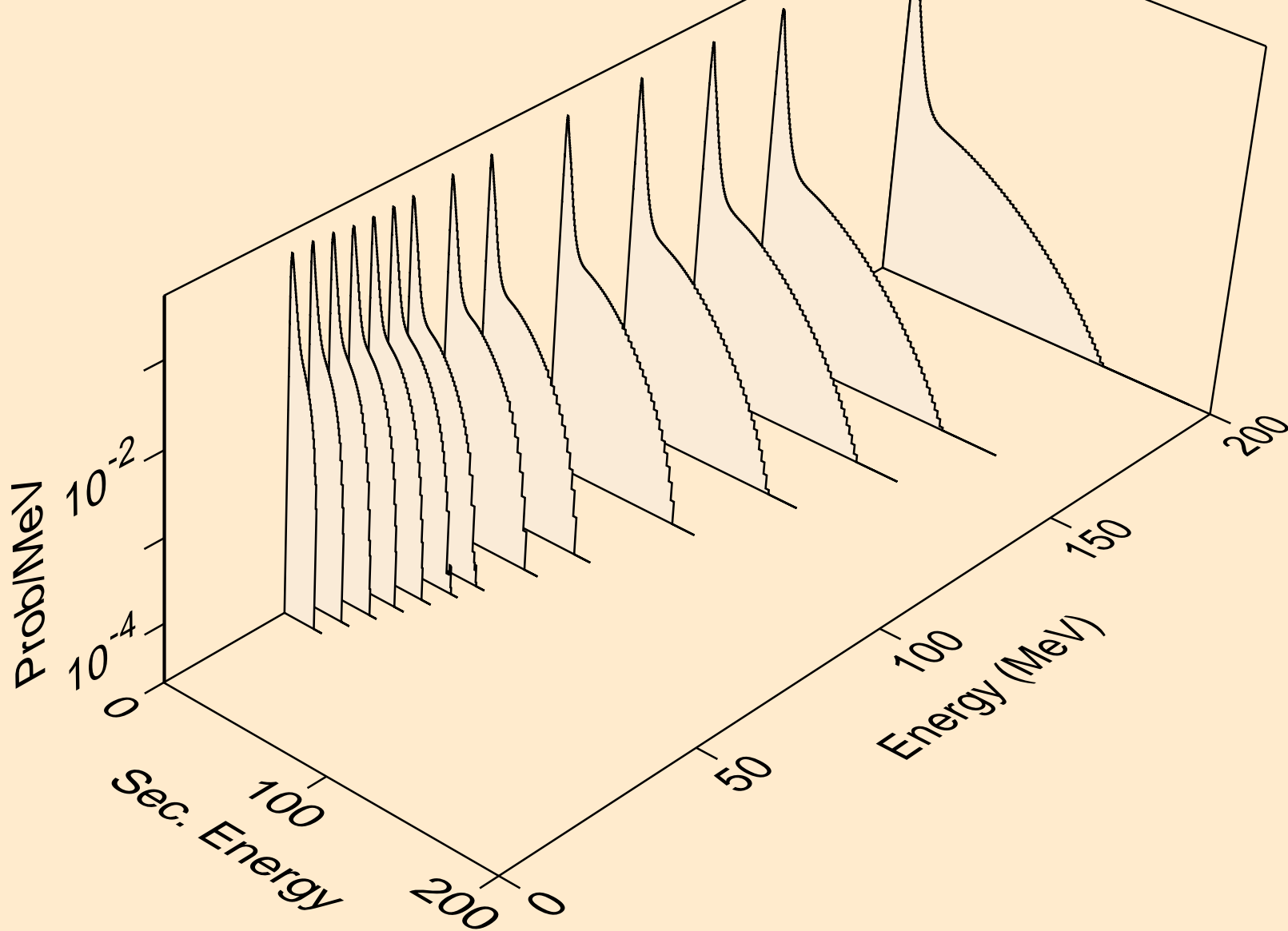
## Particle production cross sections



NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n)

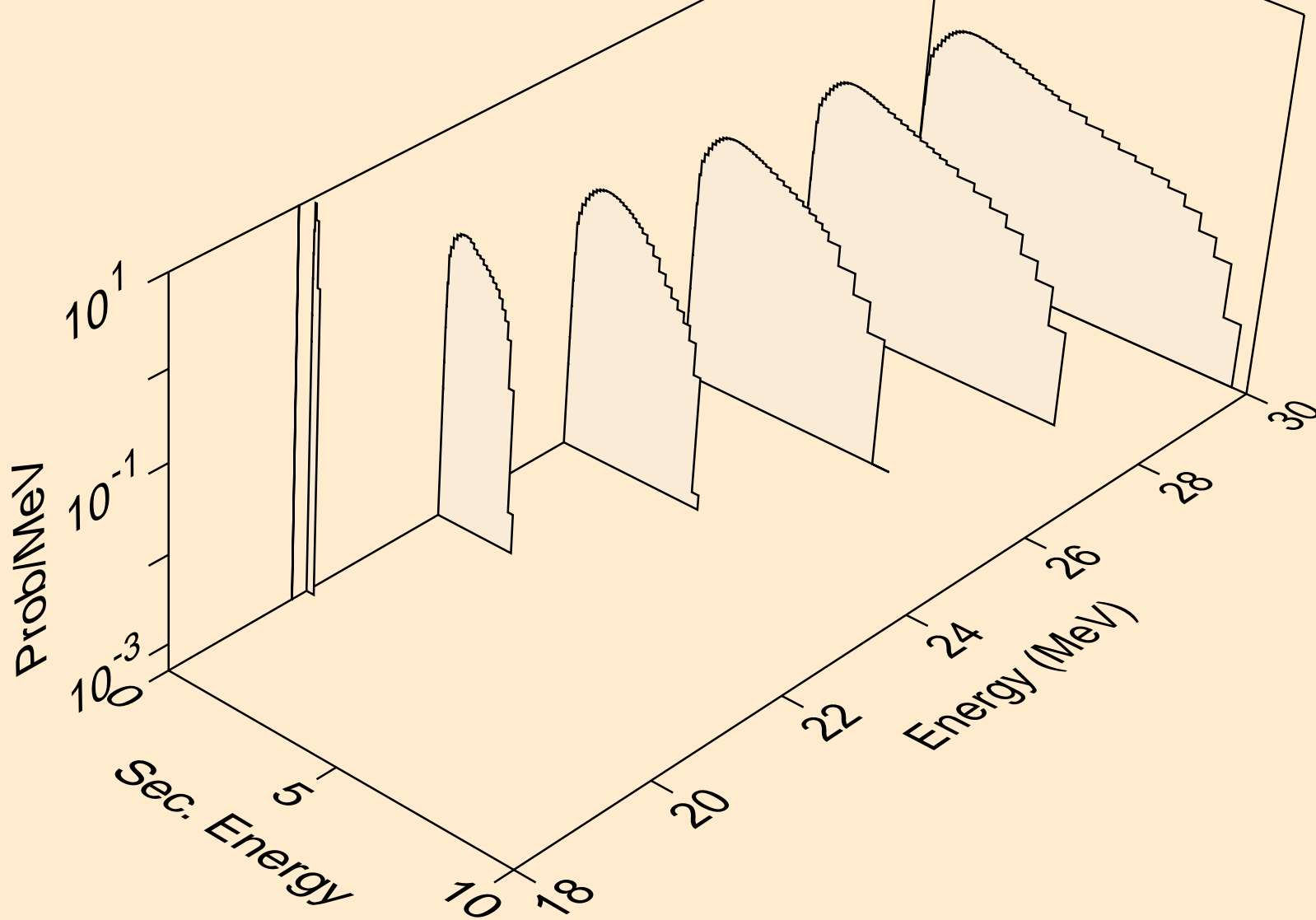


NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,x)

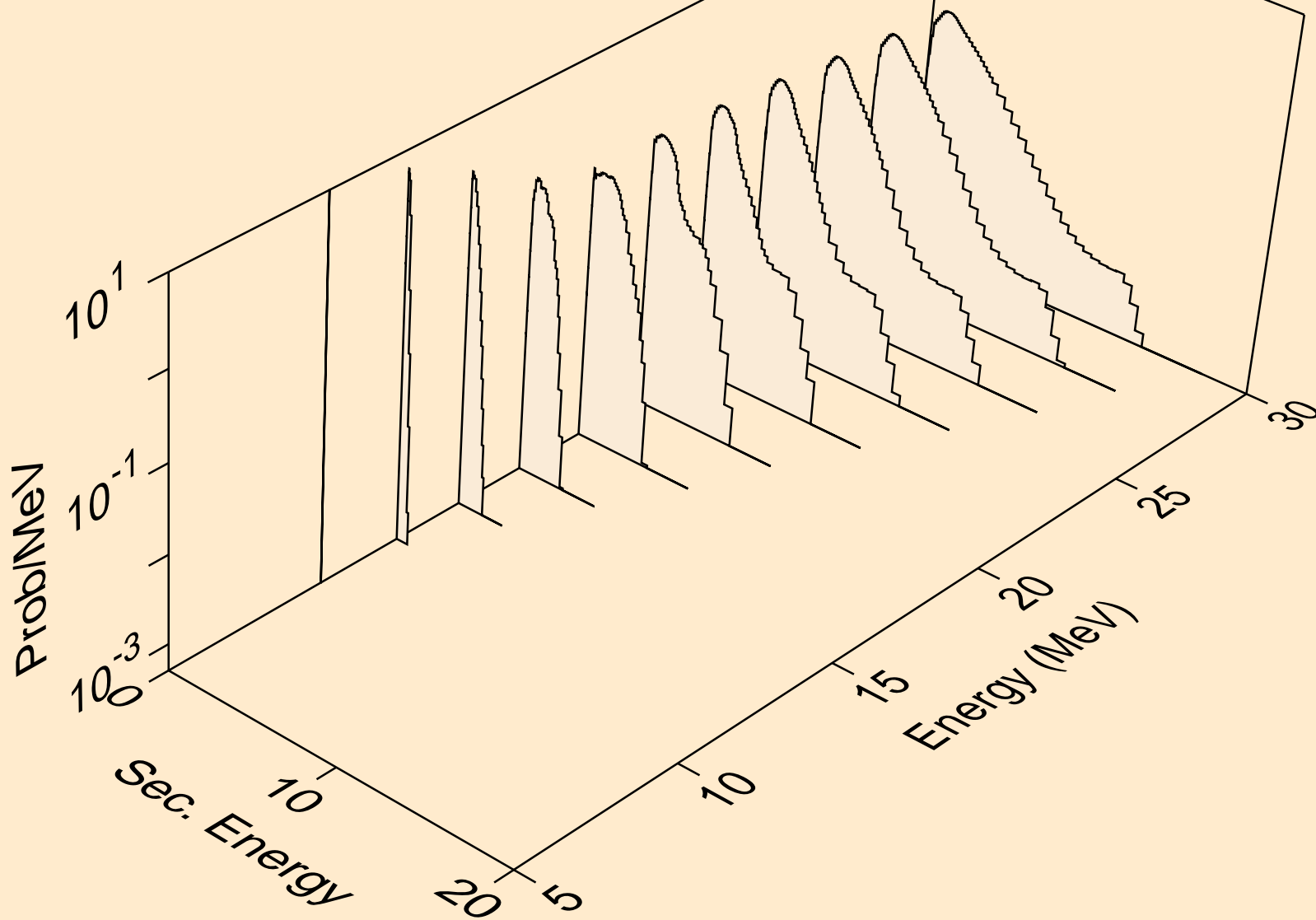




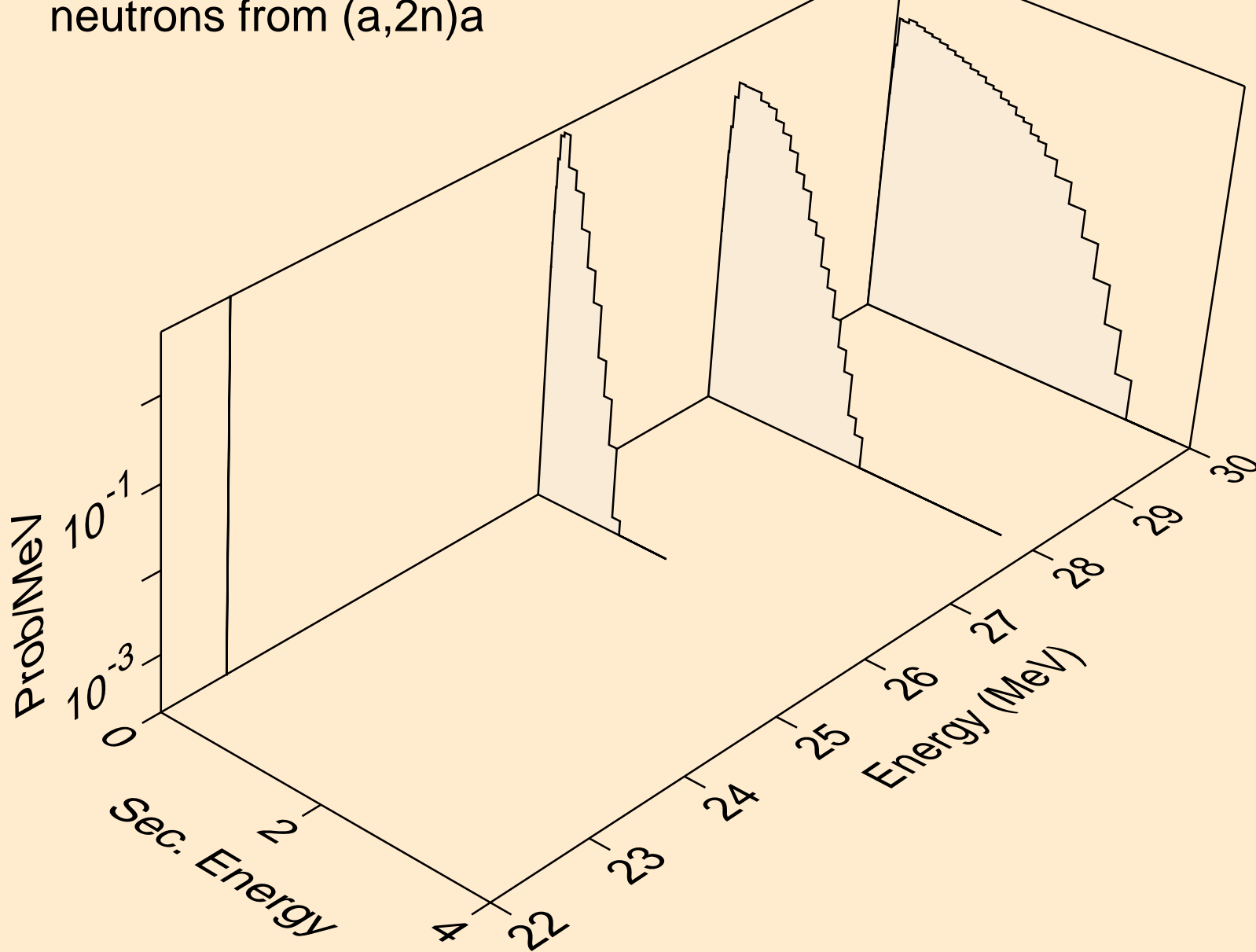
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2n)



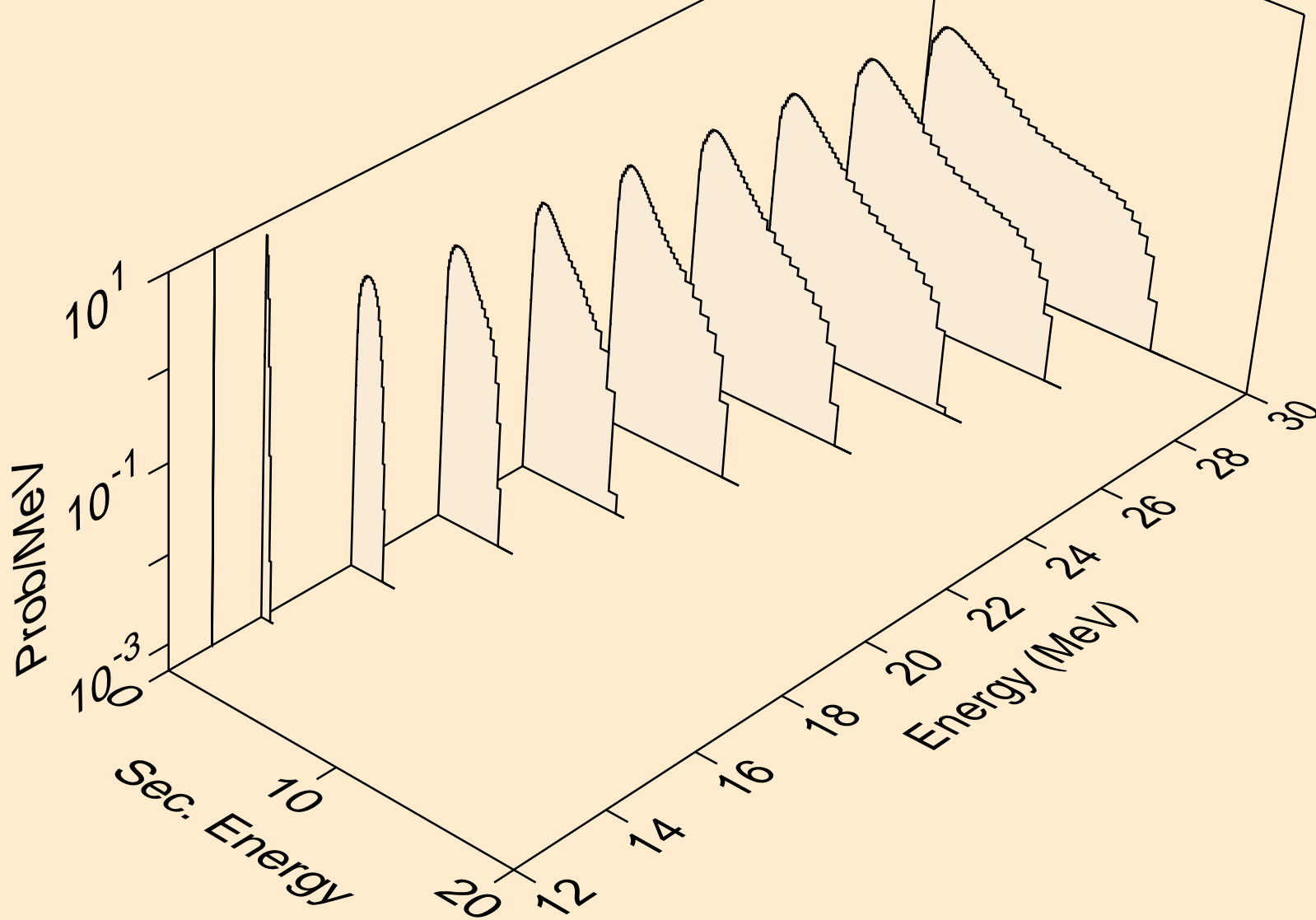
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)a



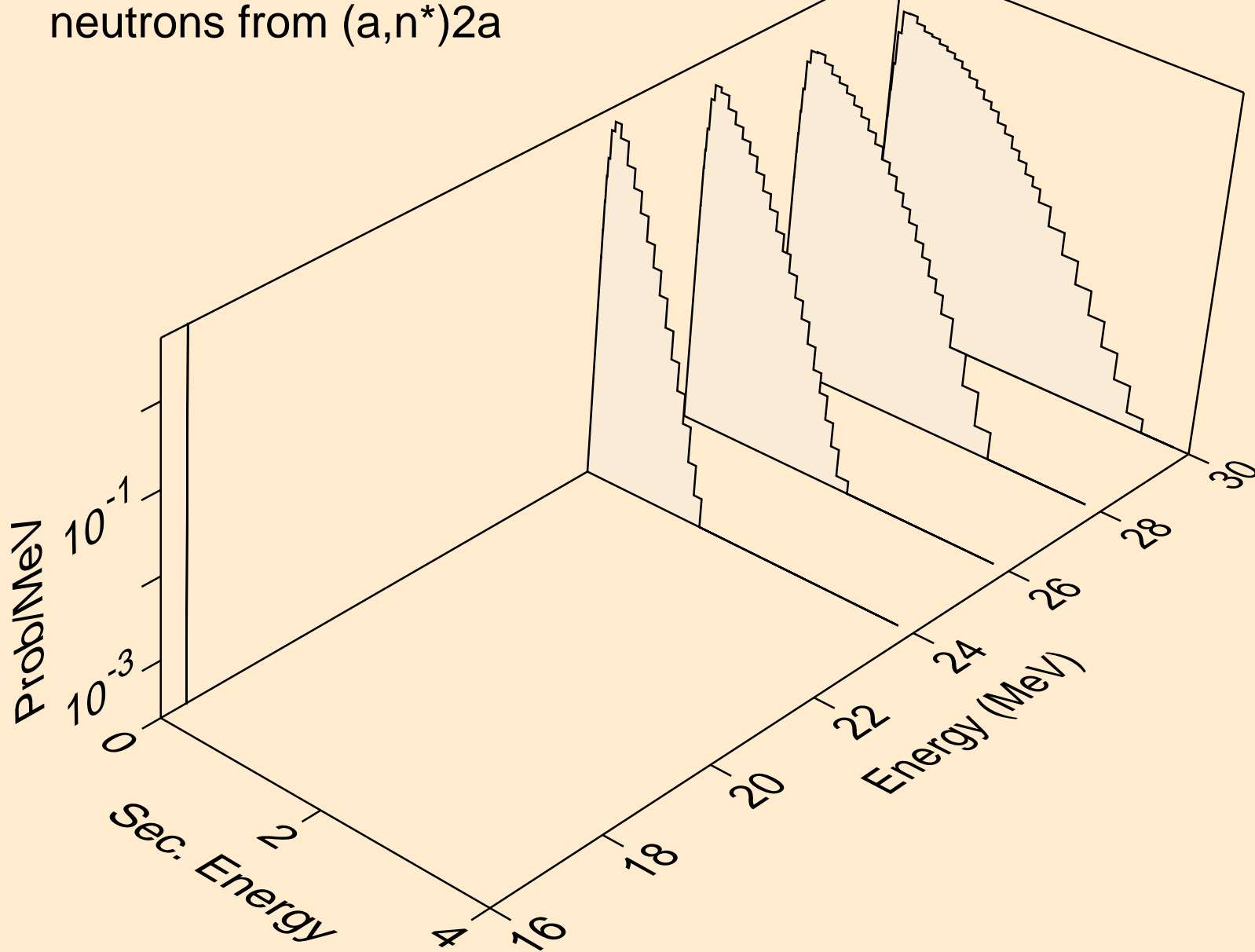
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2n)a



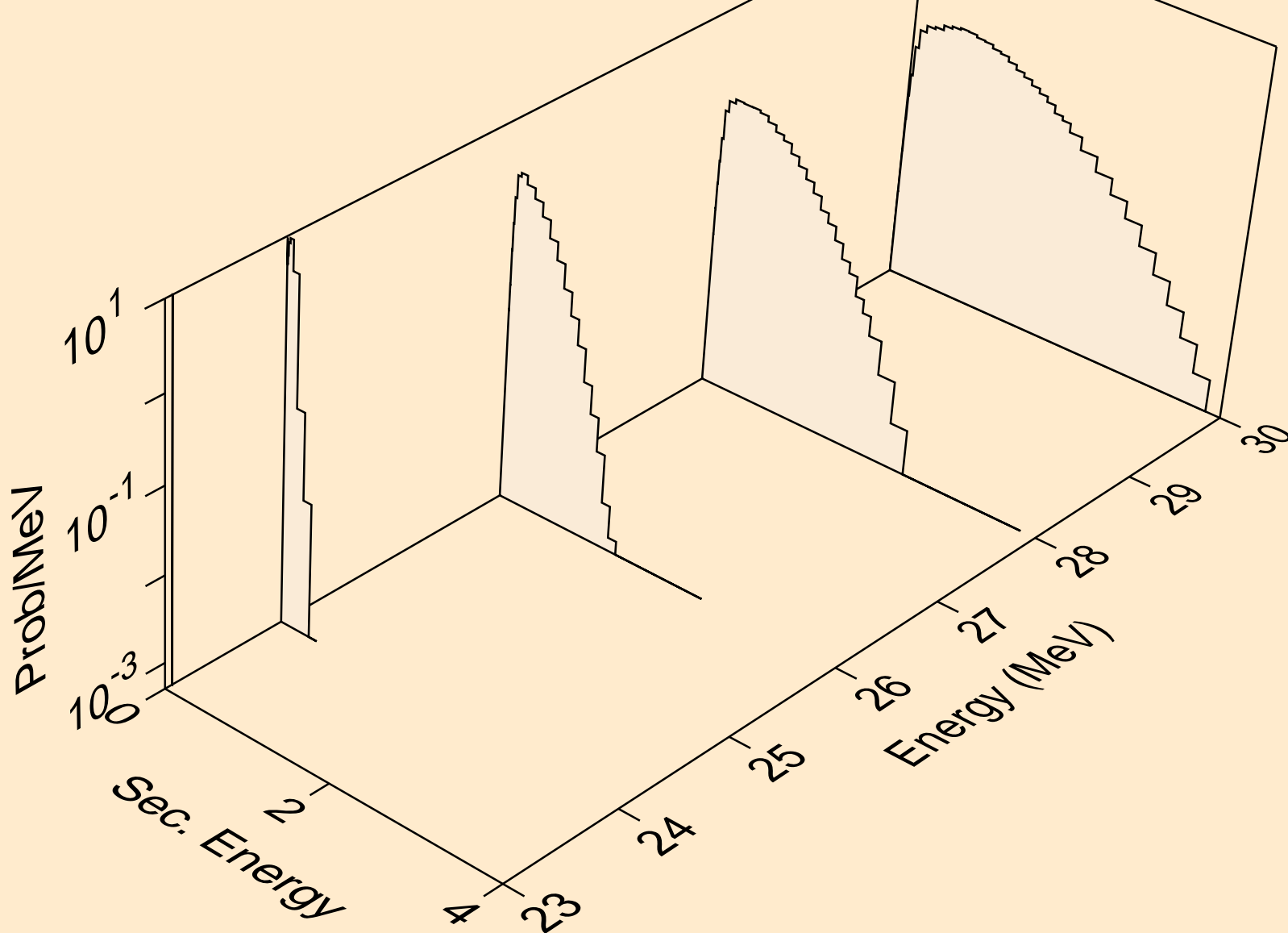
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)p



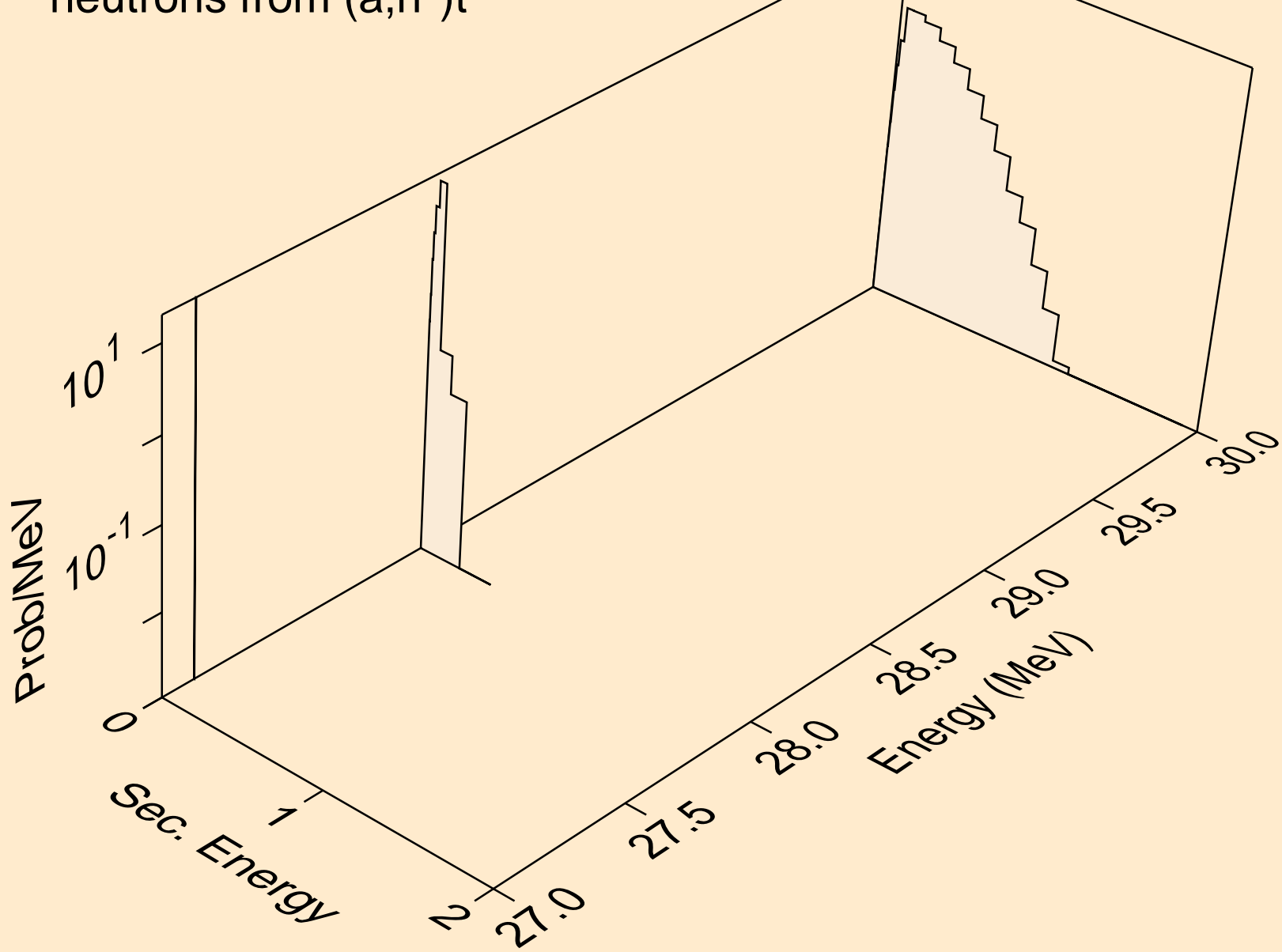
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)2a



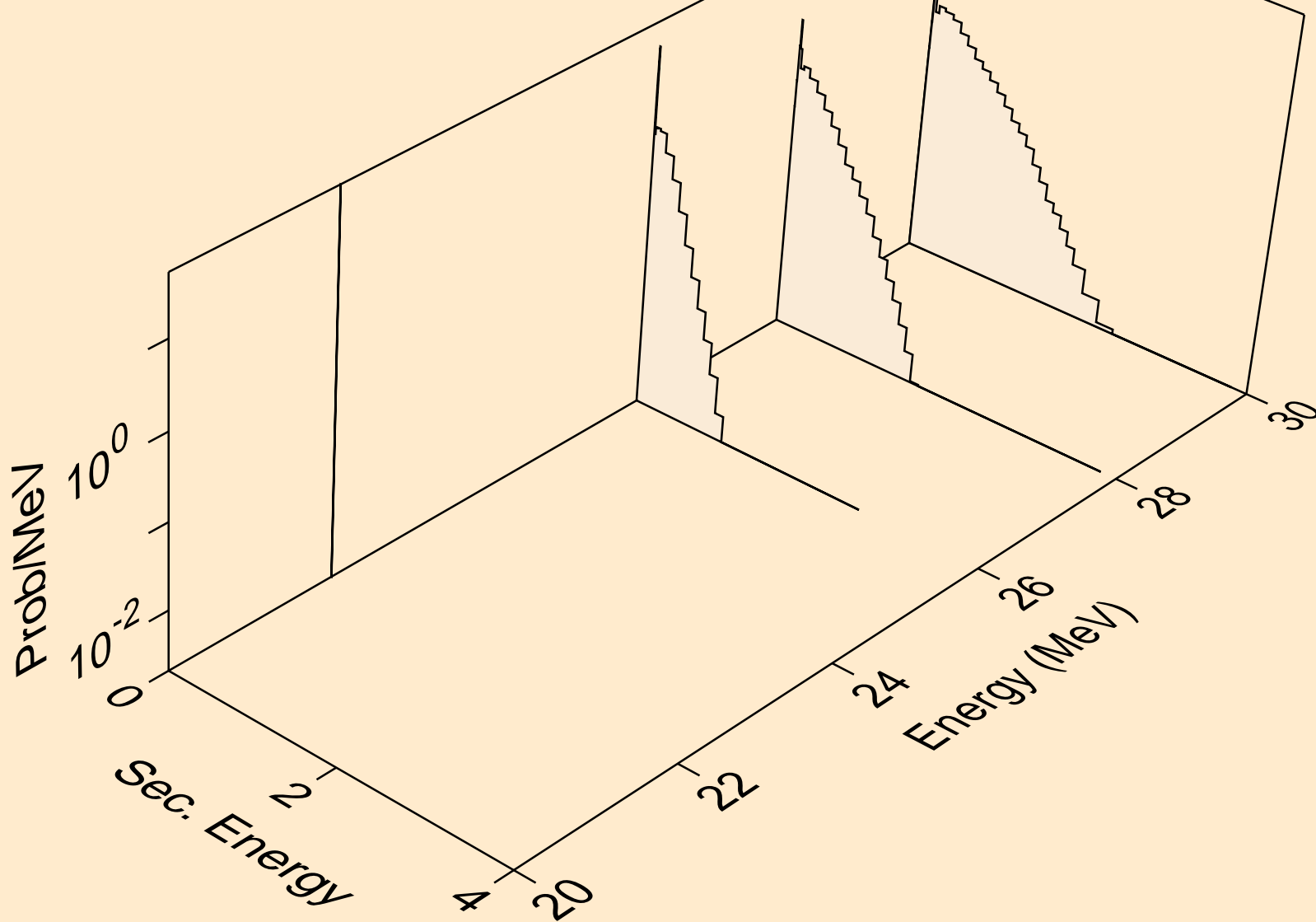
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)d



NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)t

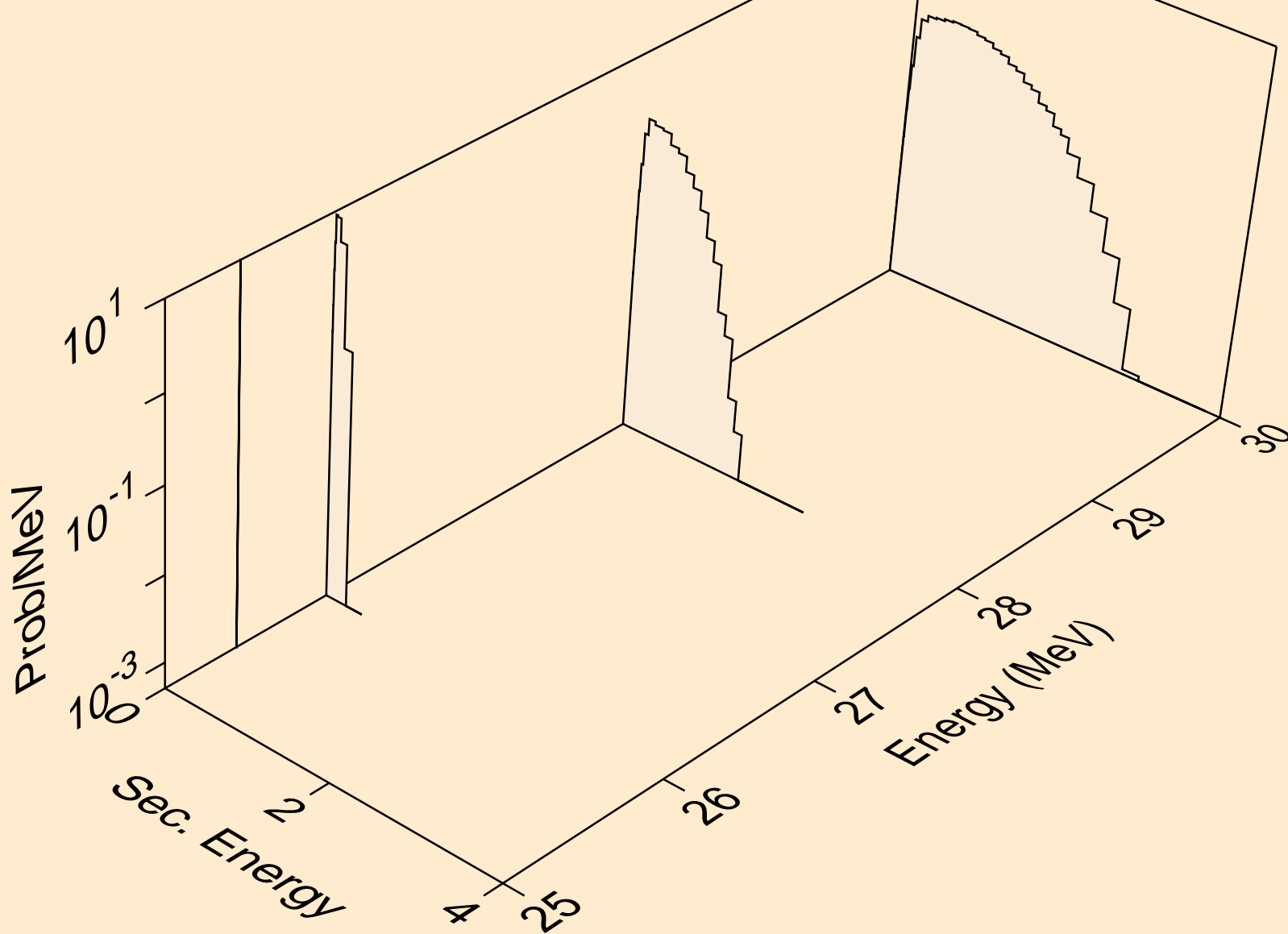


NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)he3

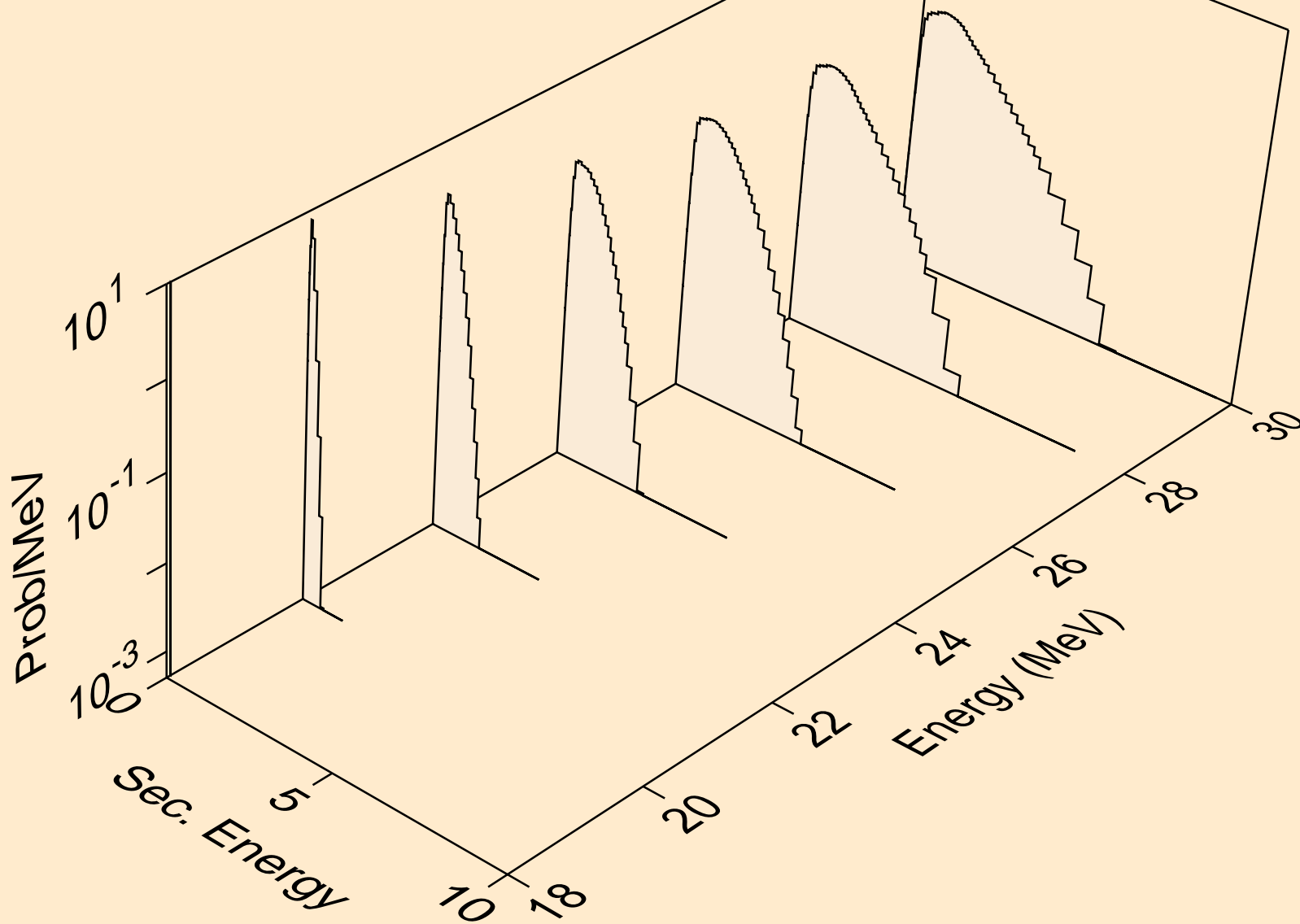




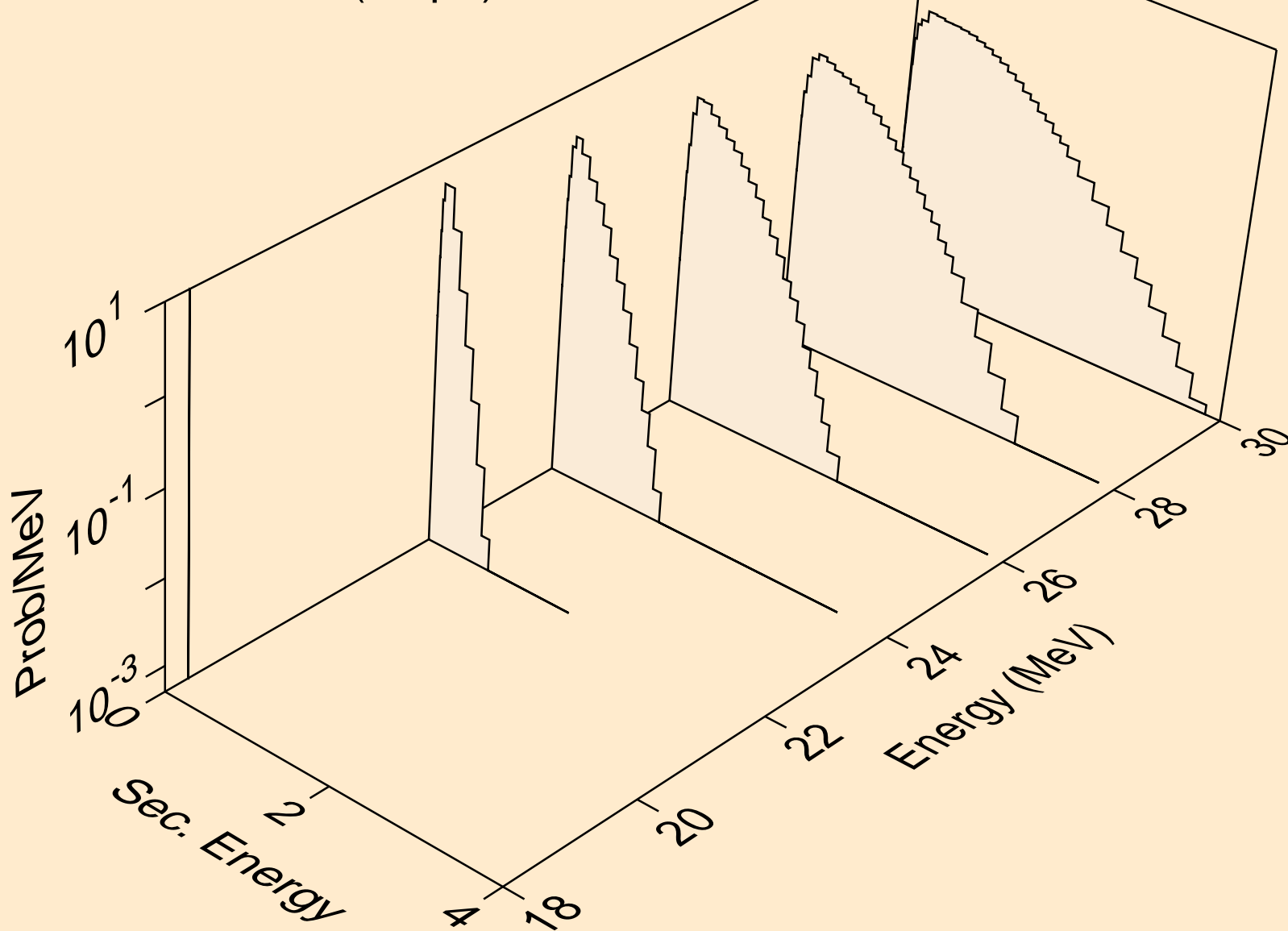
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2np)



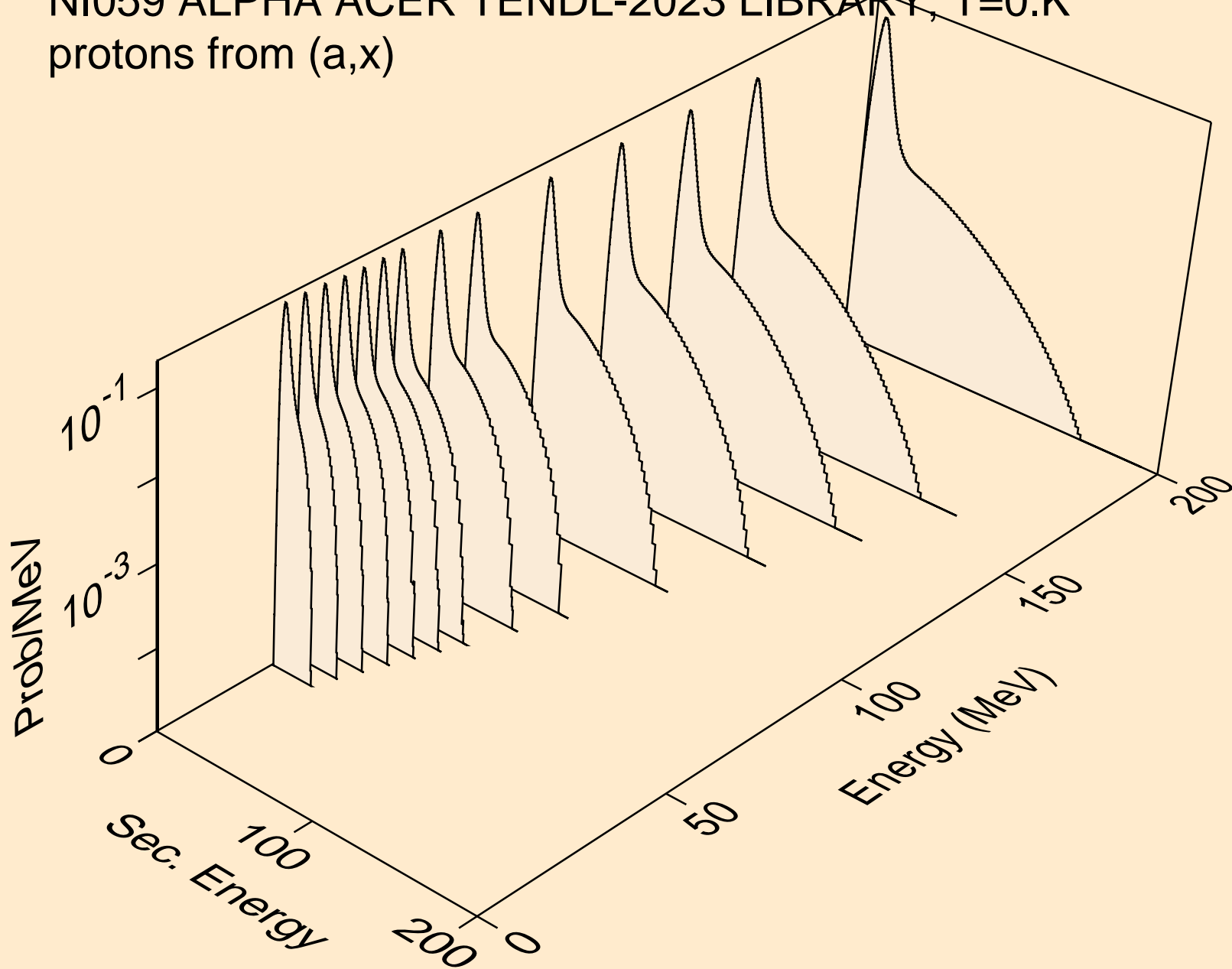
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neutrons from (a,n2p)



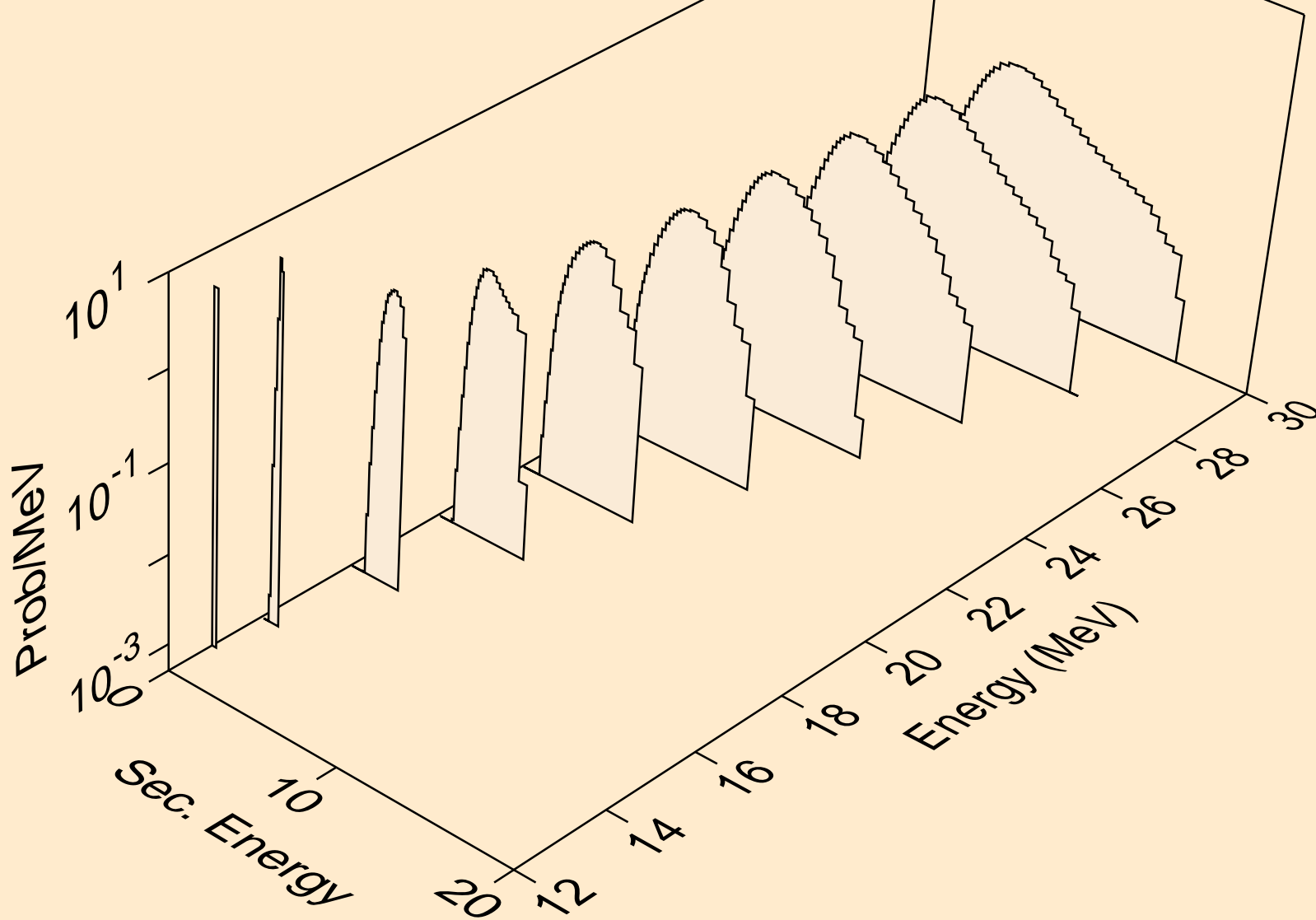
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neutrons from (a,npa)



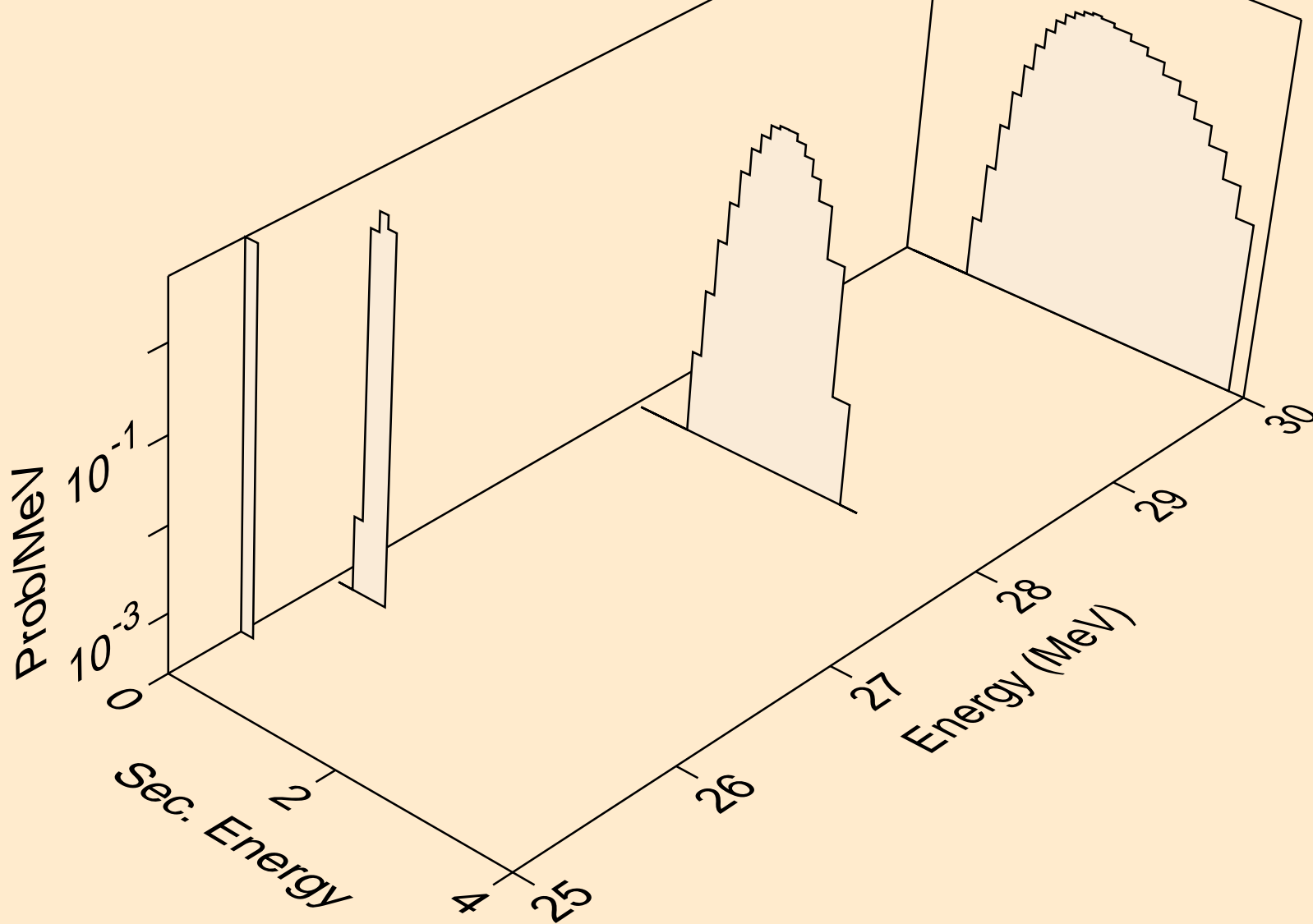
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protons from (a,x)



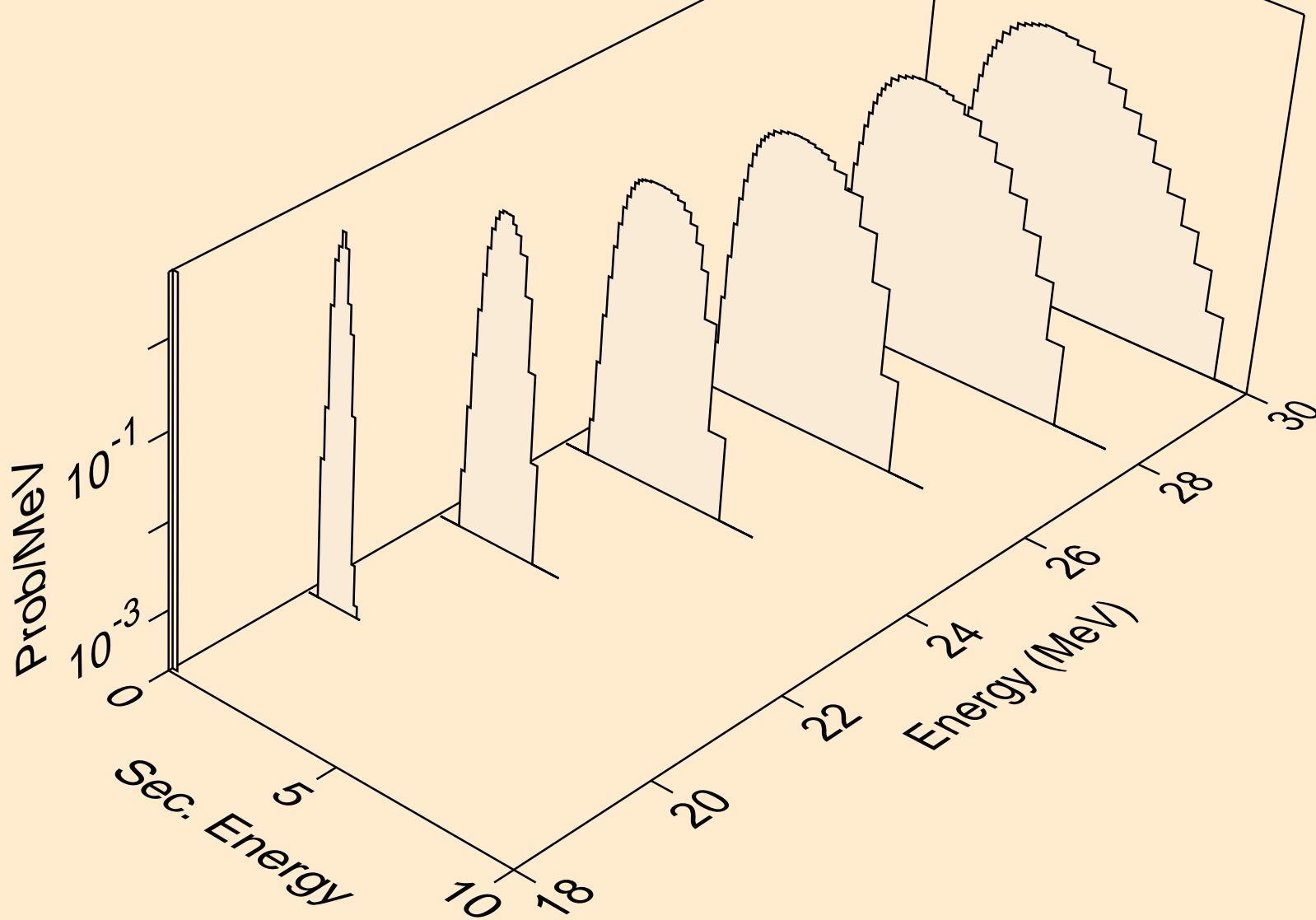
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protons from (a,n\*)p



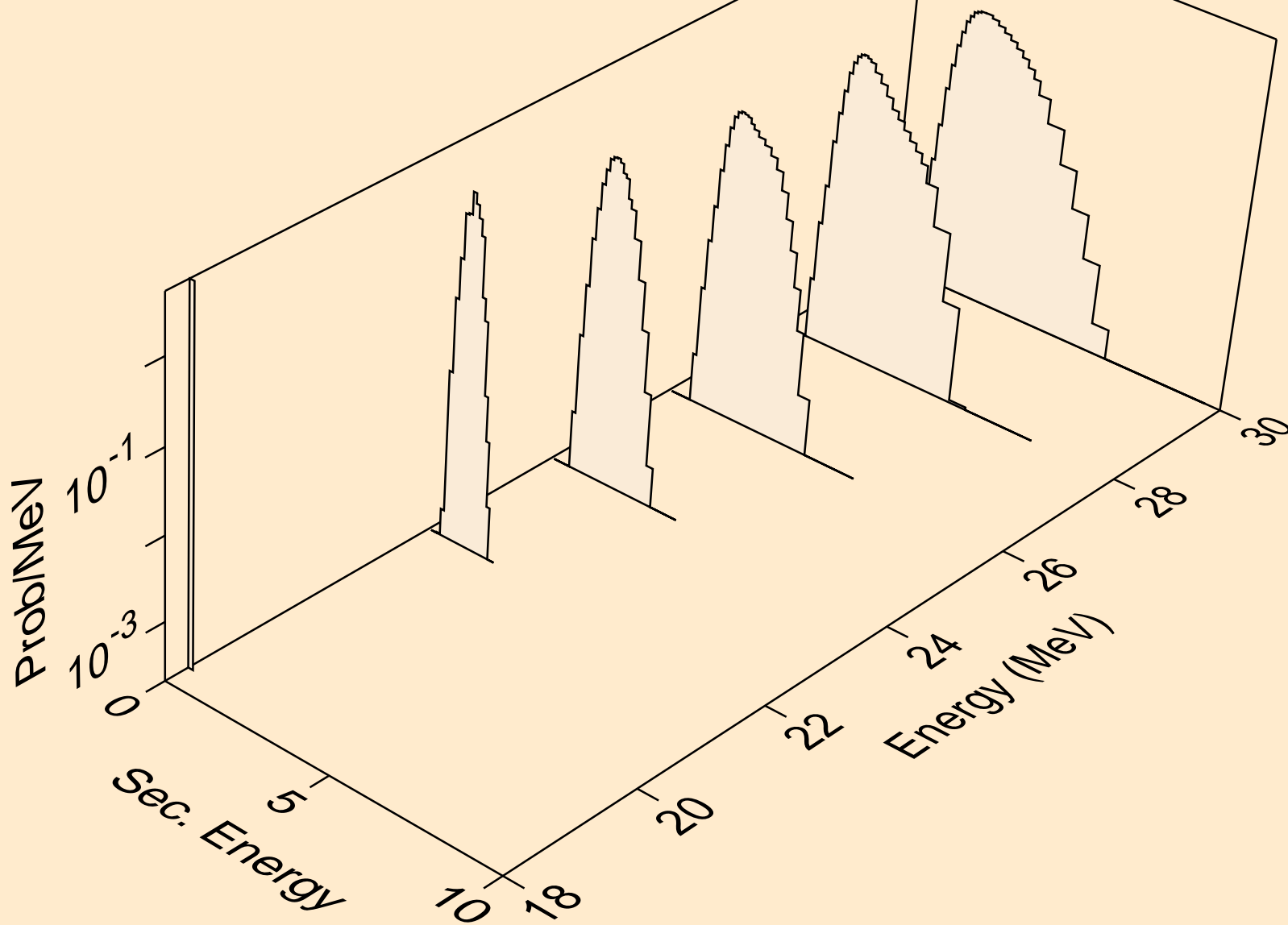
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,2np)



NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,n2p)

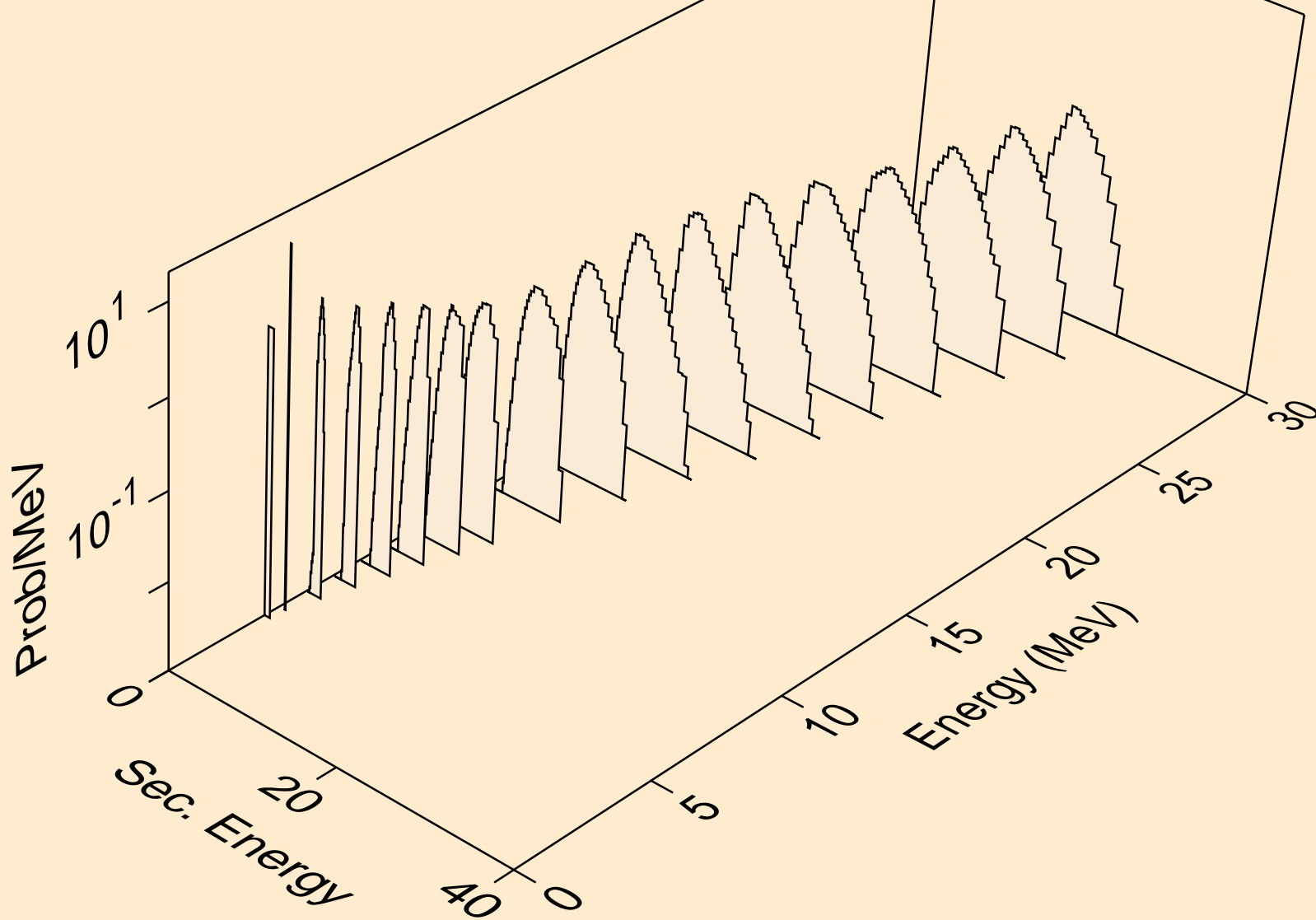


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protons from (a,npa)

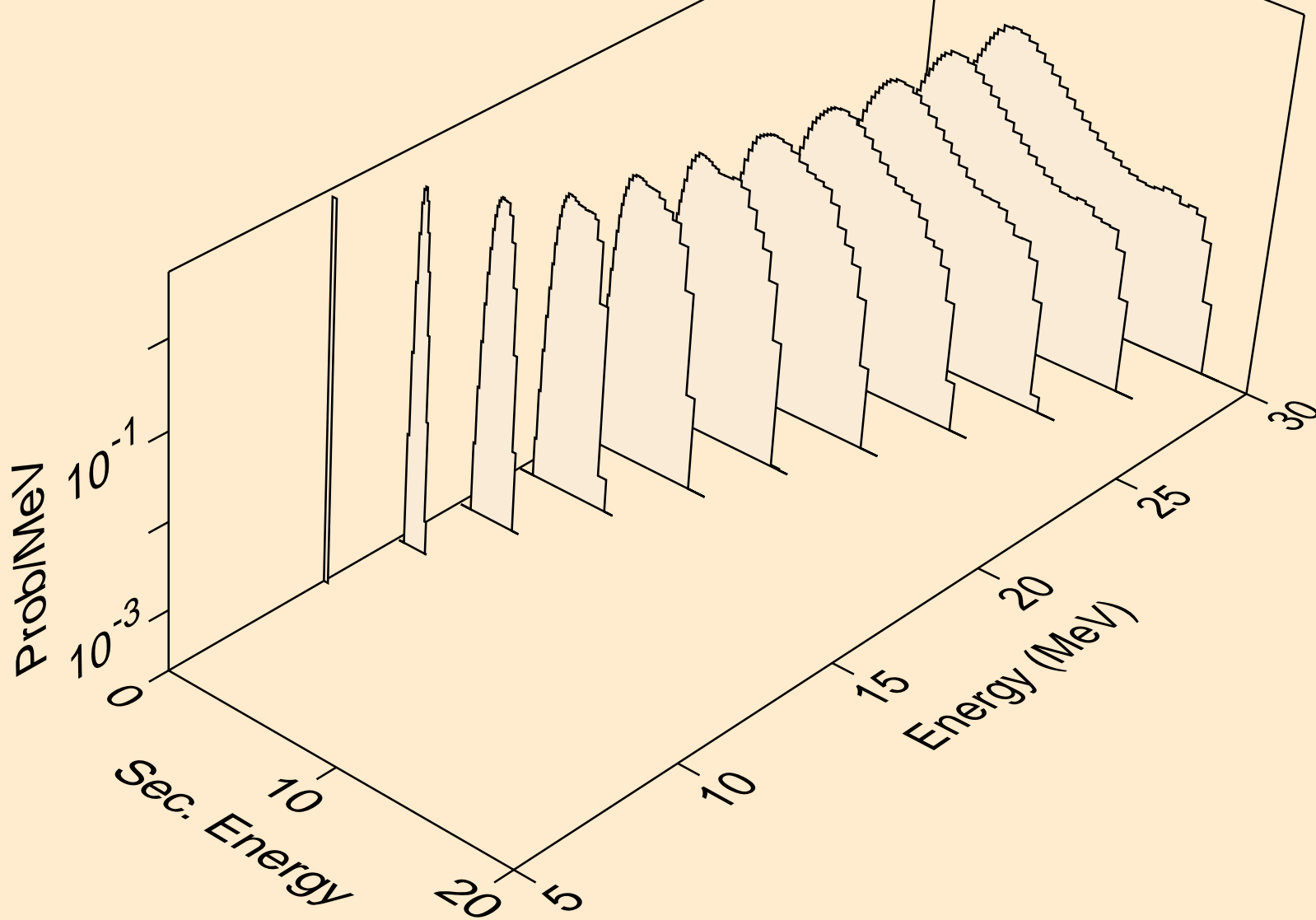




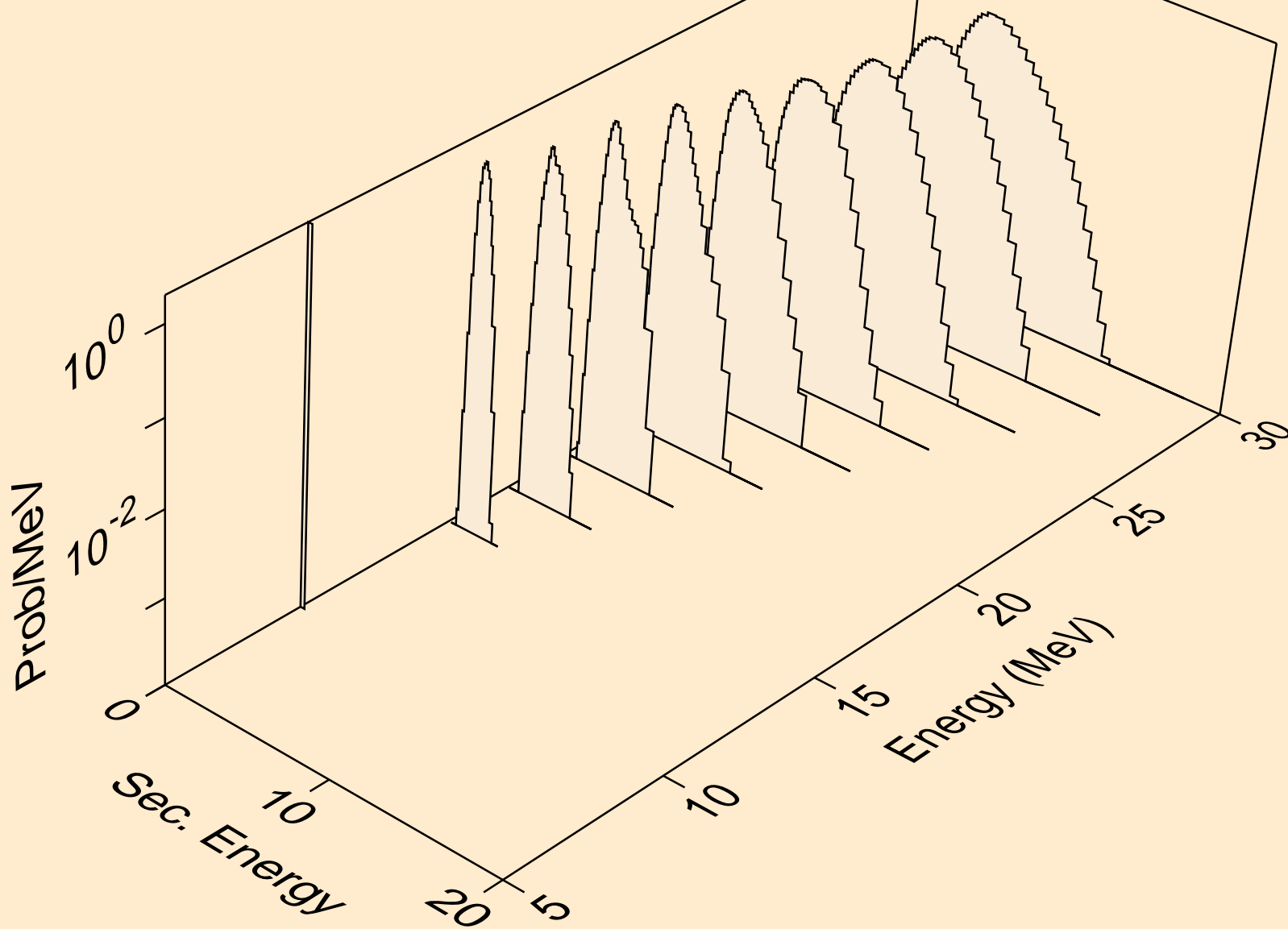
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,p)



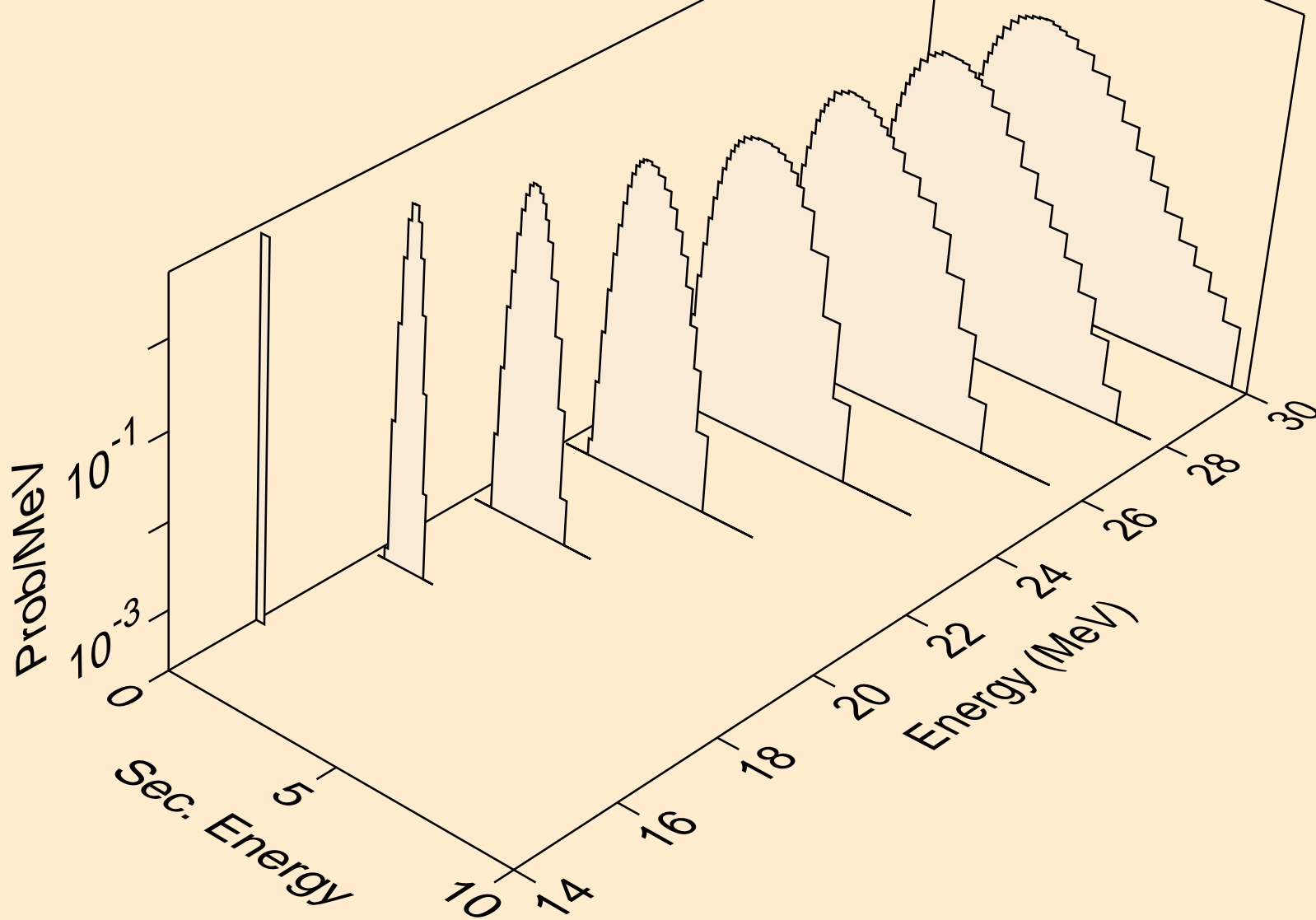
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,2p)



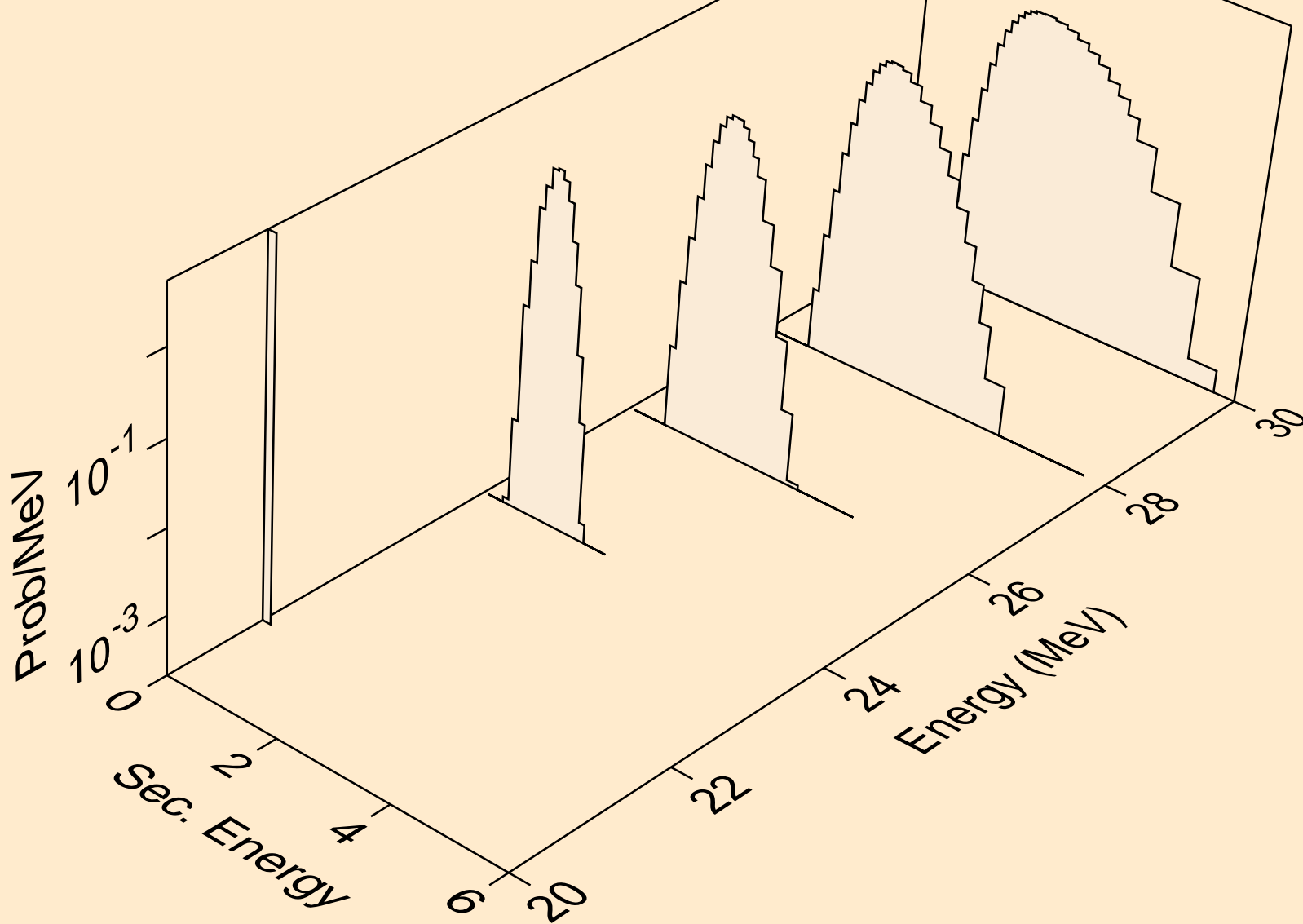
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,pa)



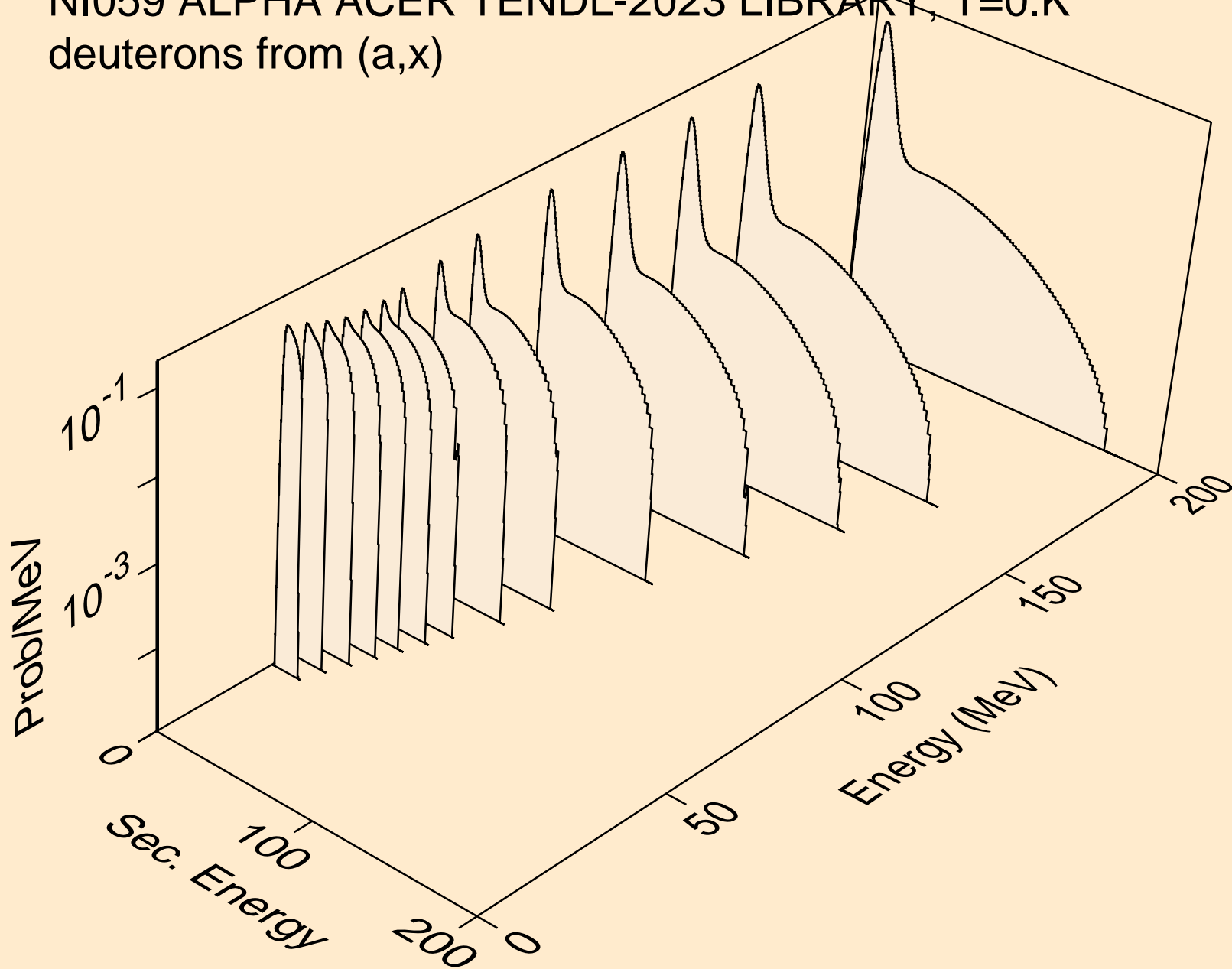
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,pd)



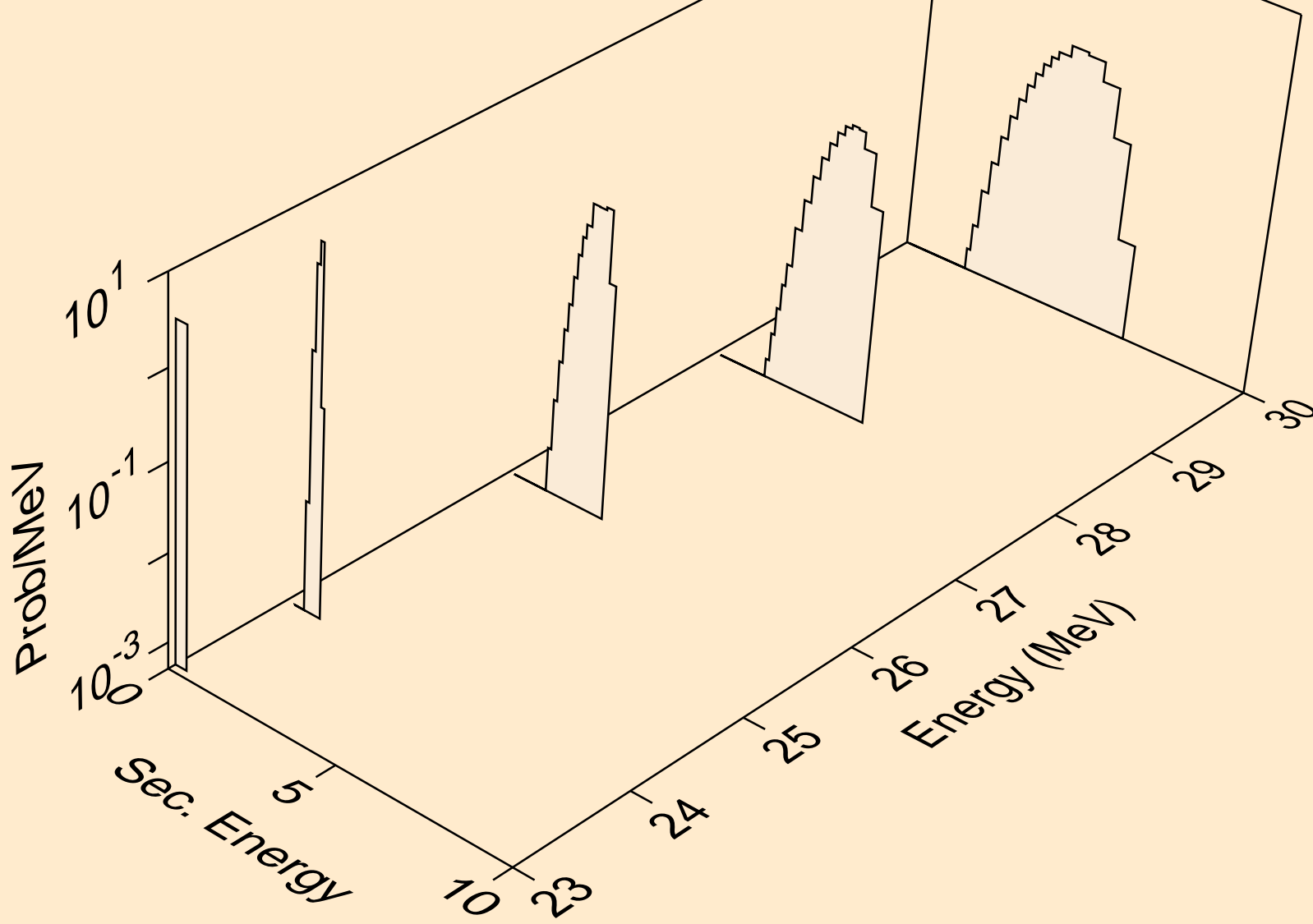
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,pt)



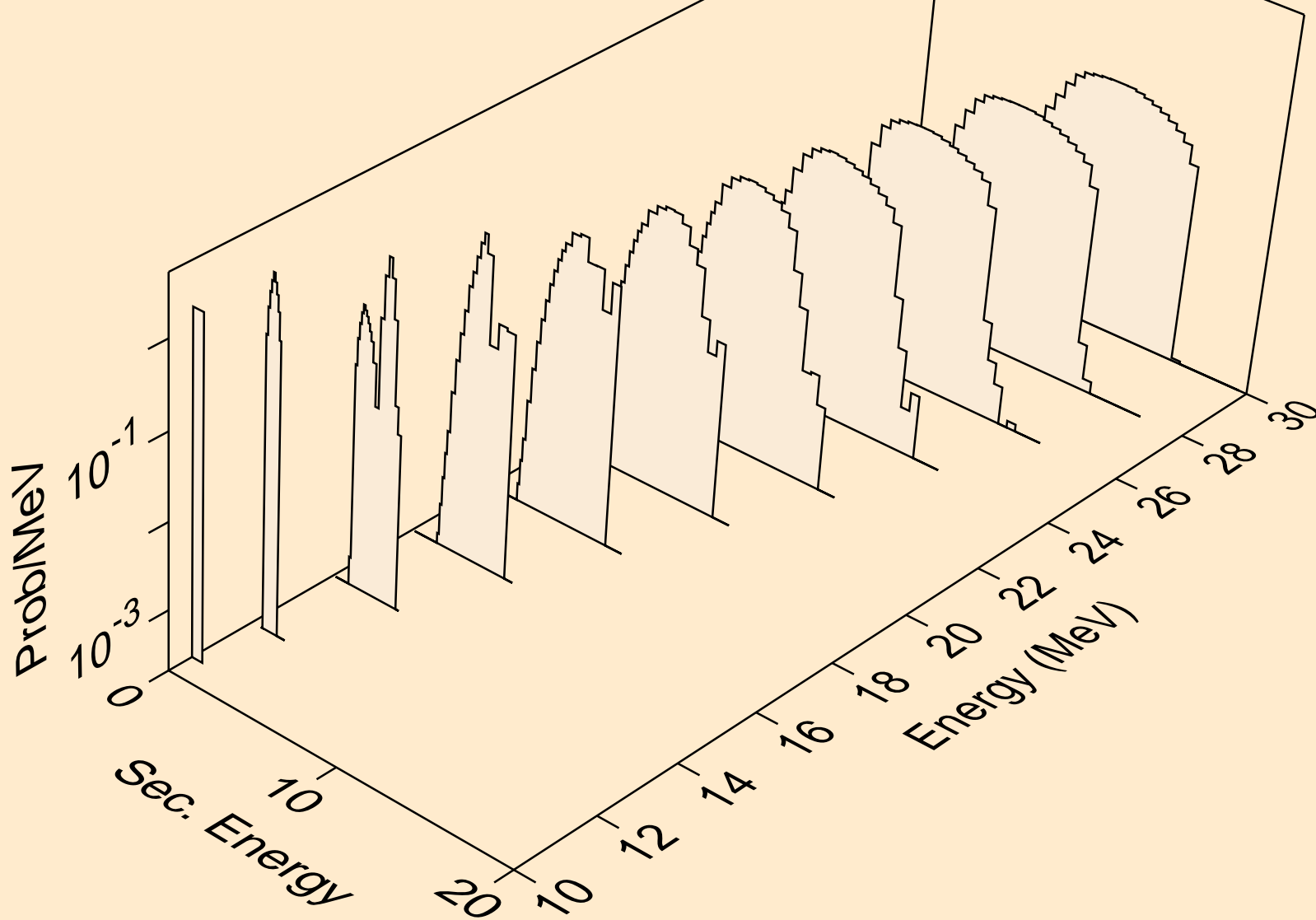
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,x)



NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,n\*)d

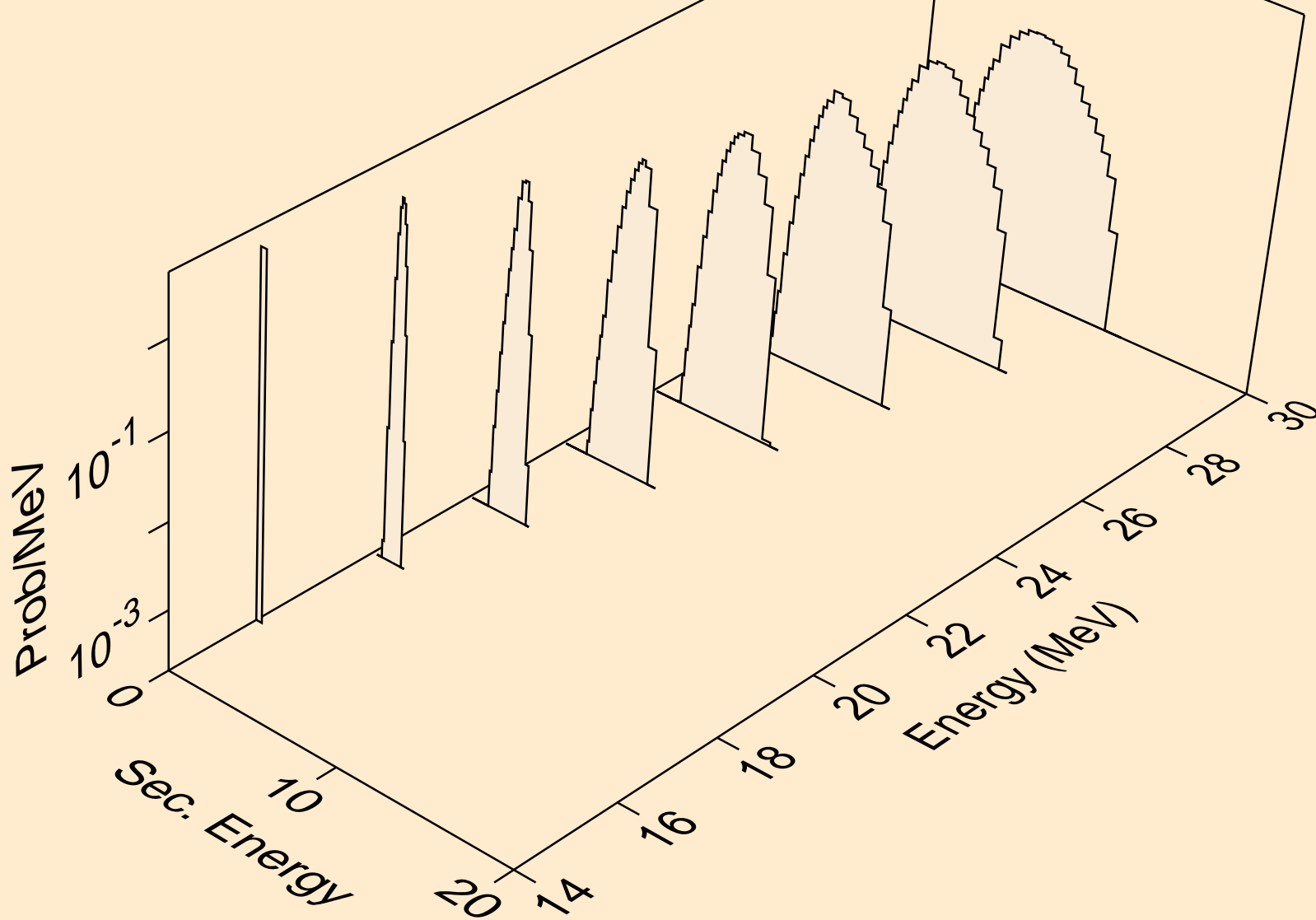


NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,d)

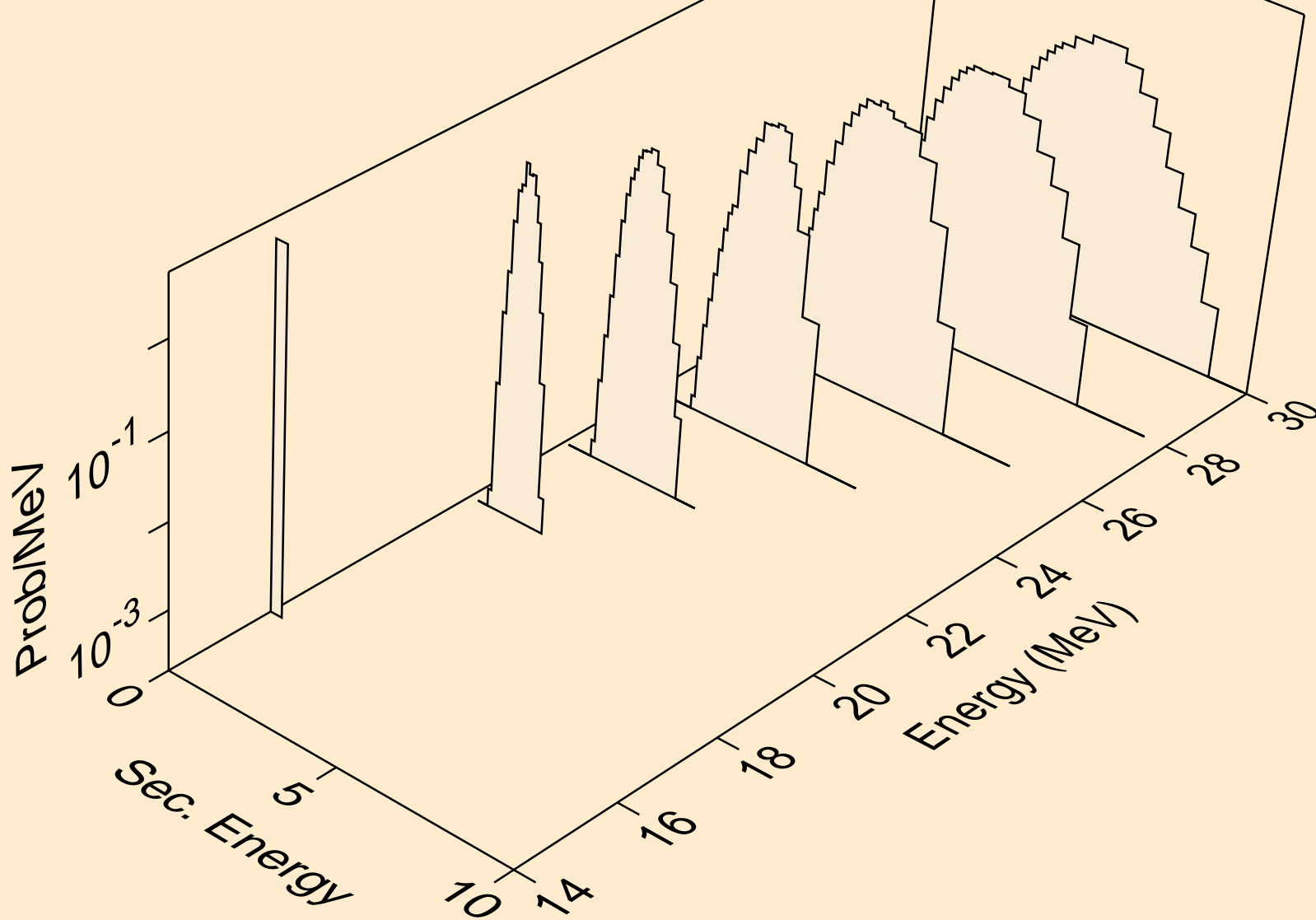




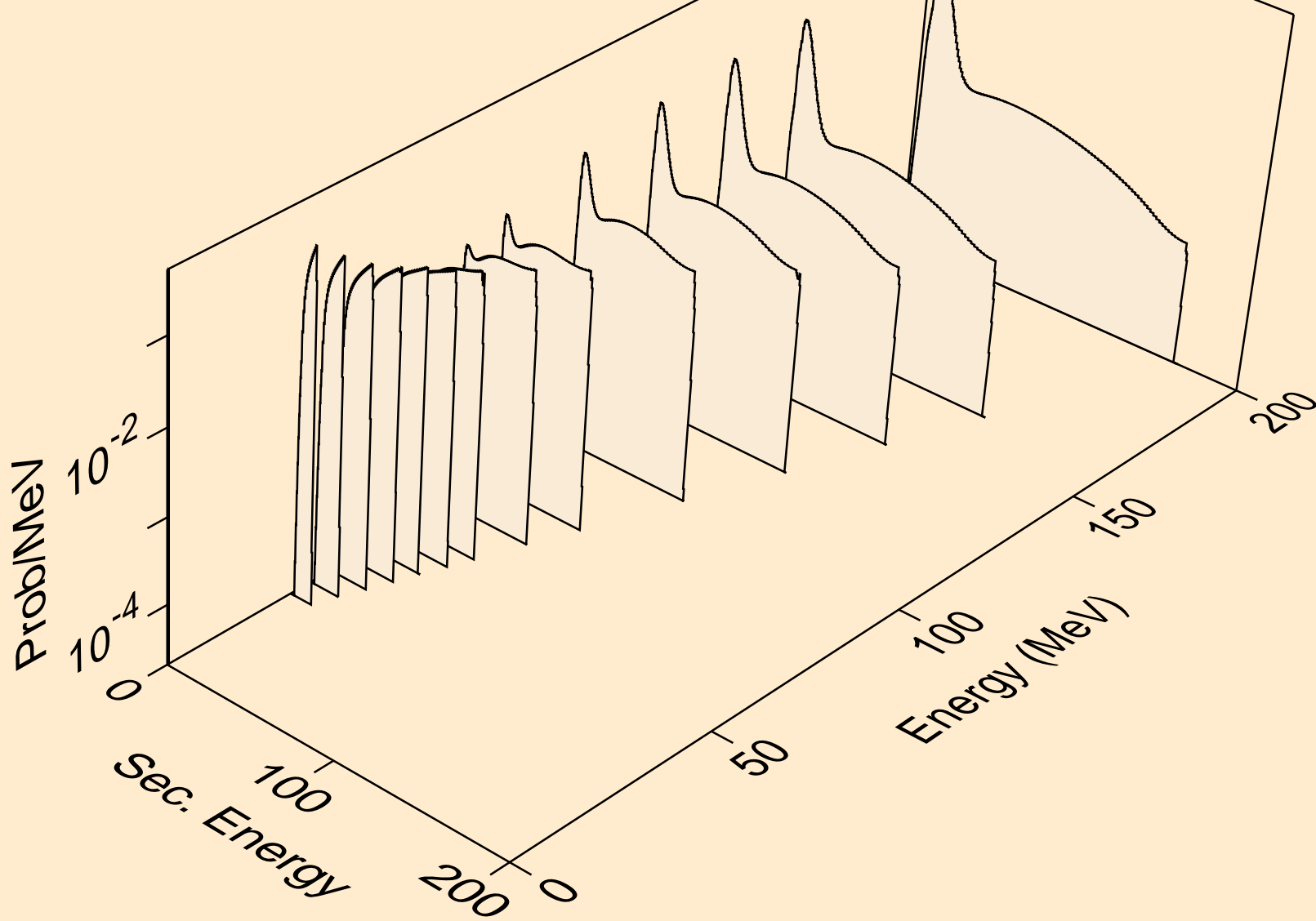
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,pd)



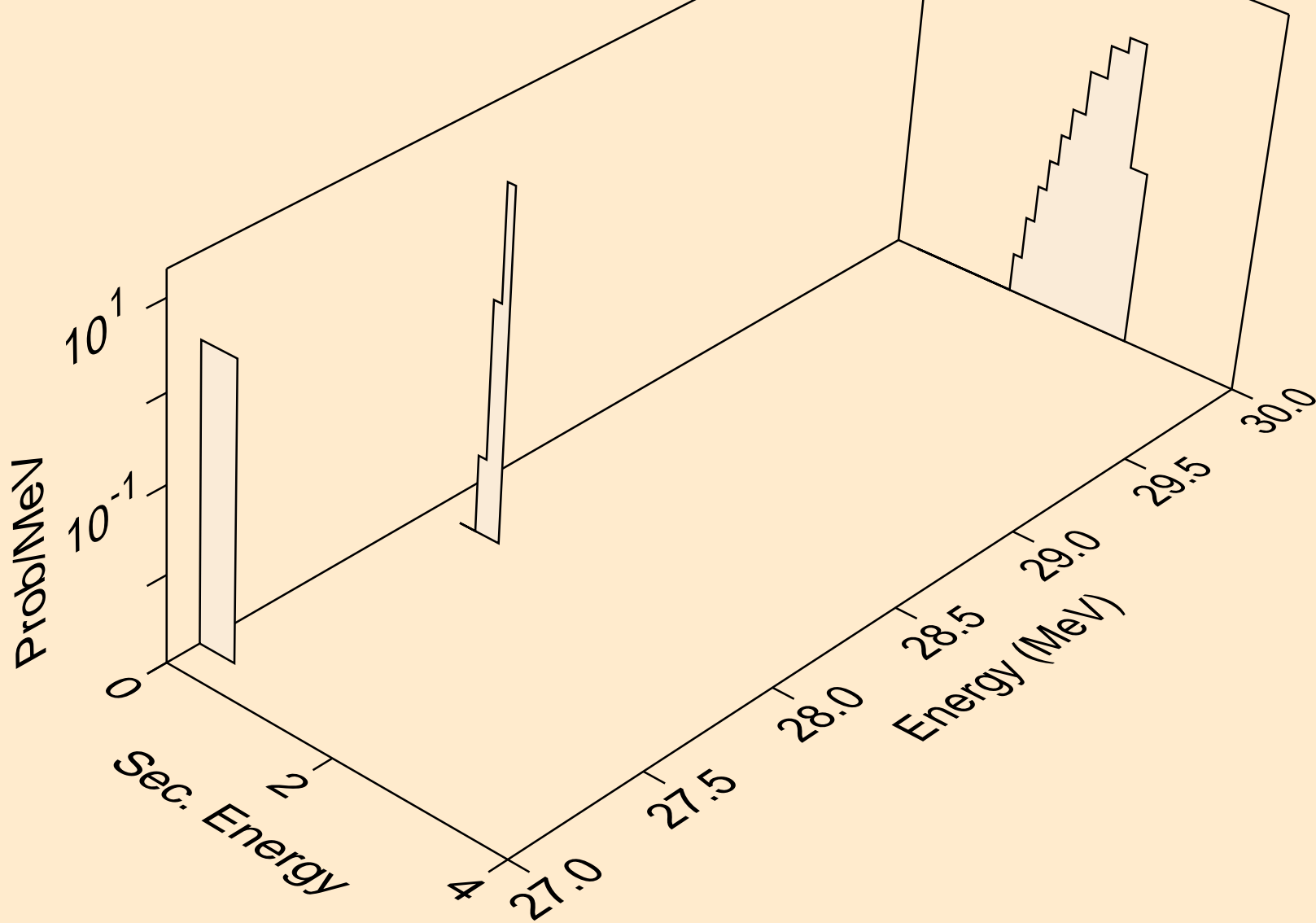
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,da)



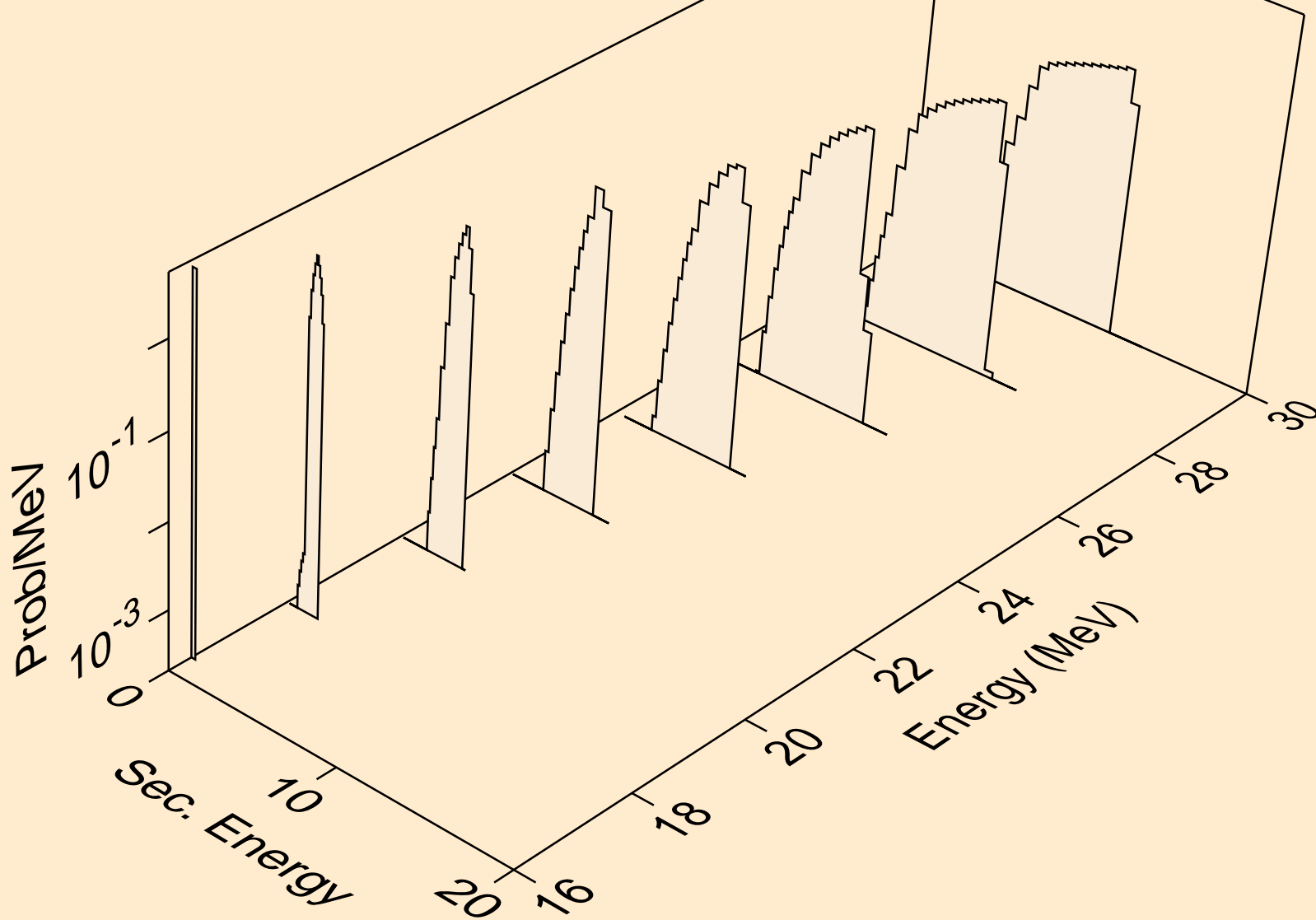
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,x)



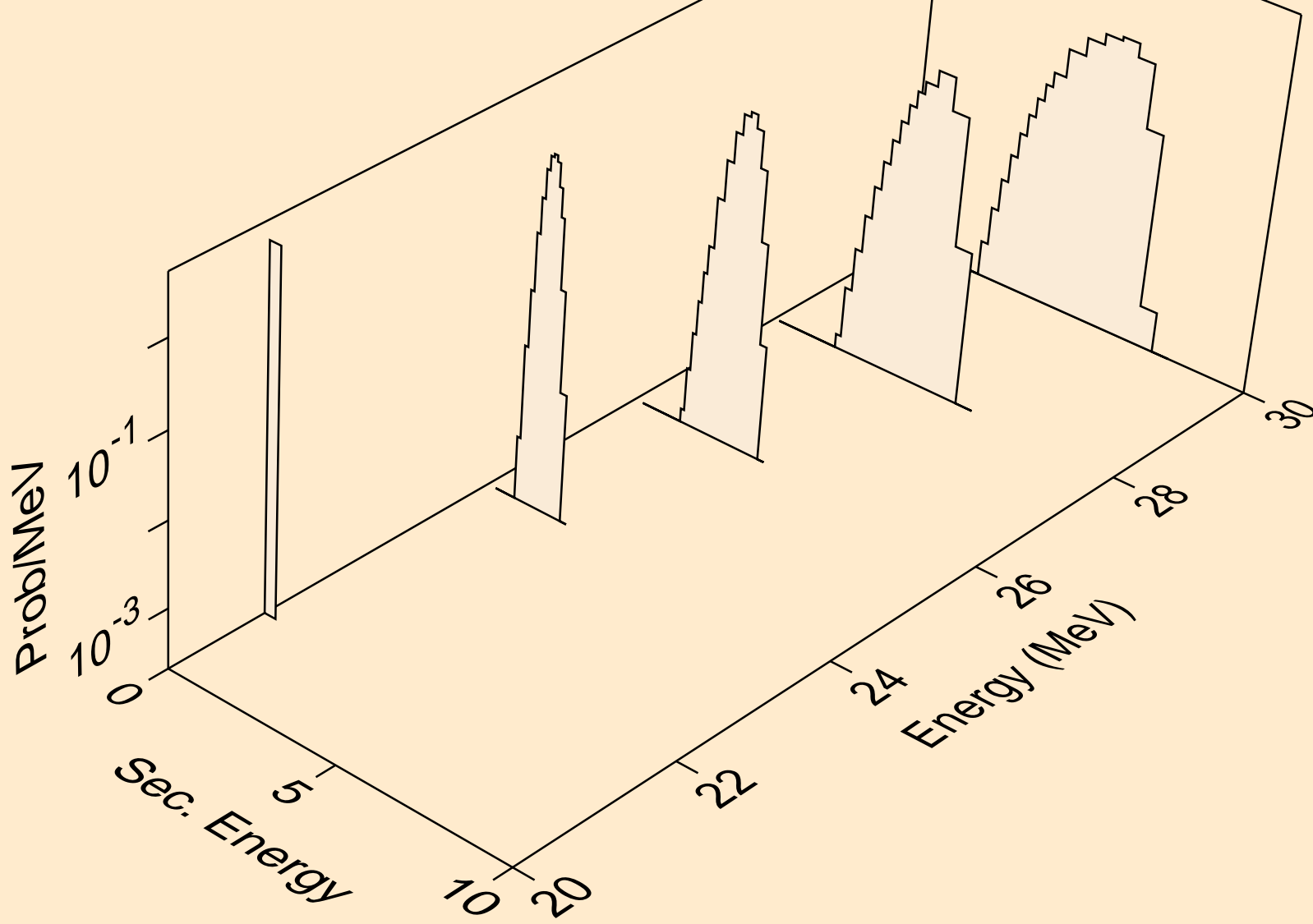
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,n\*)t



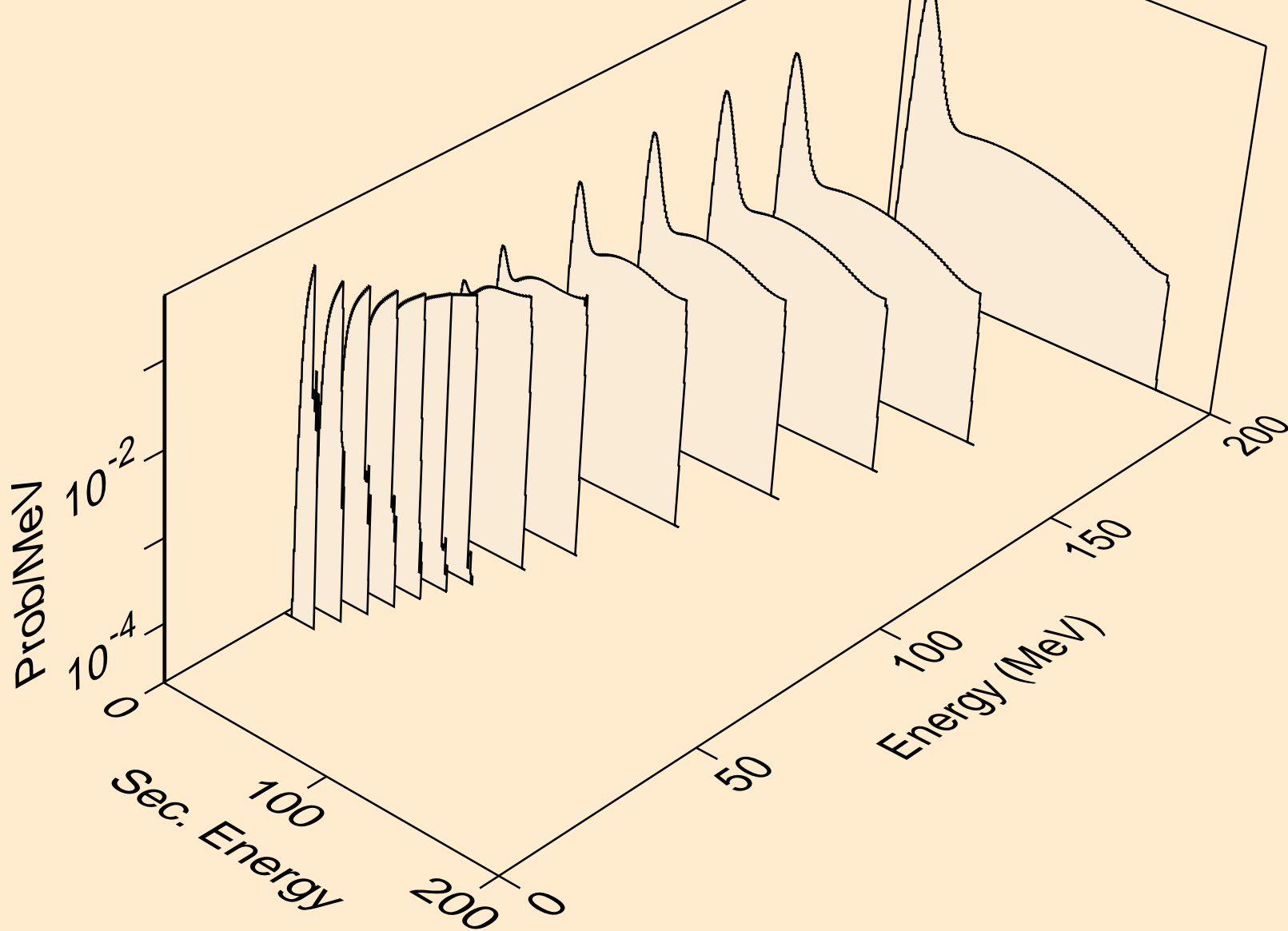
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tritons from (a,t)



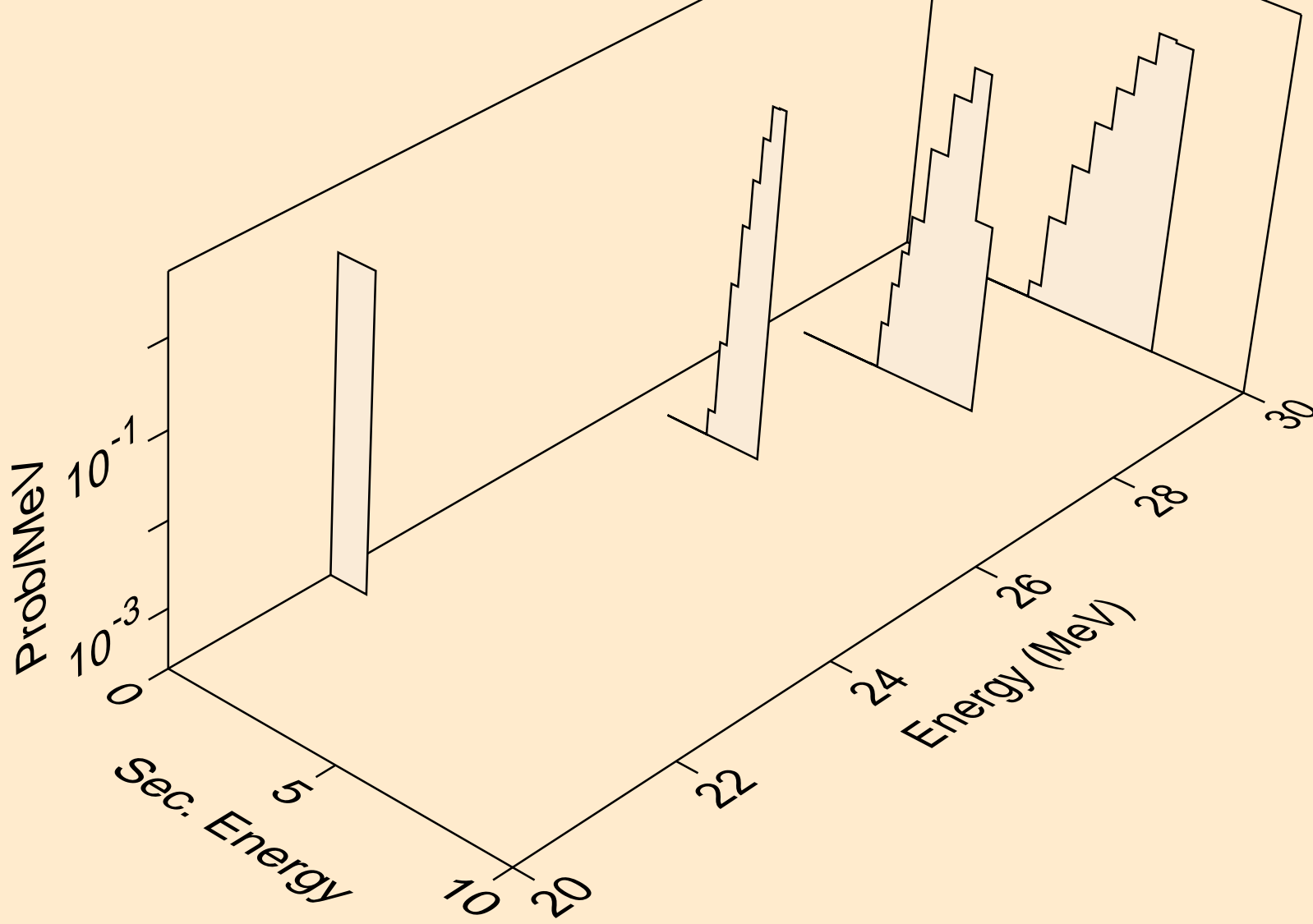
NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,pt)



NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,x)



NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,n\*)he3





NI059 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,he3)

