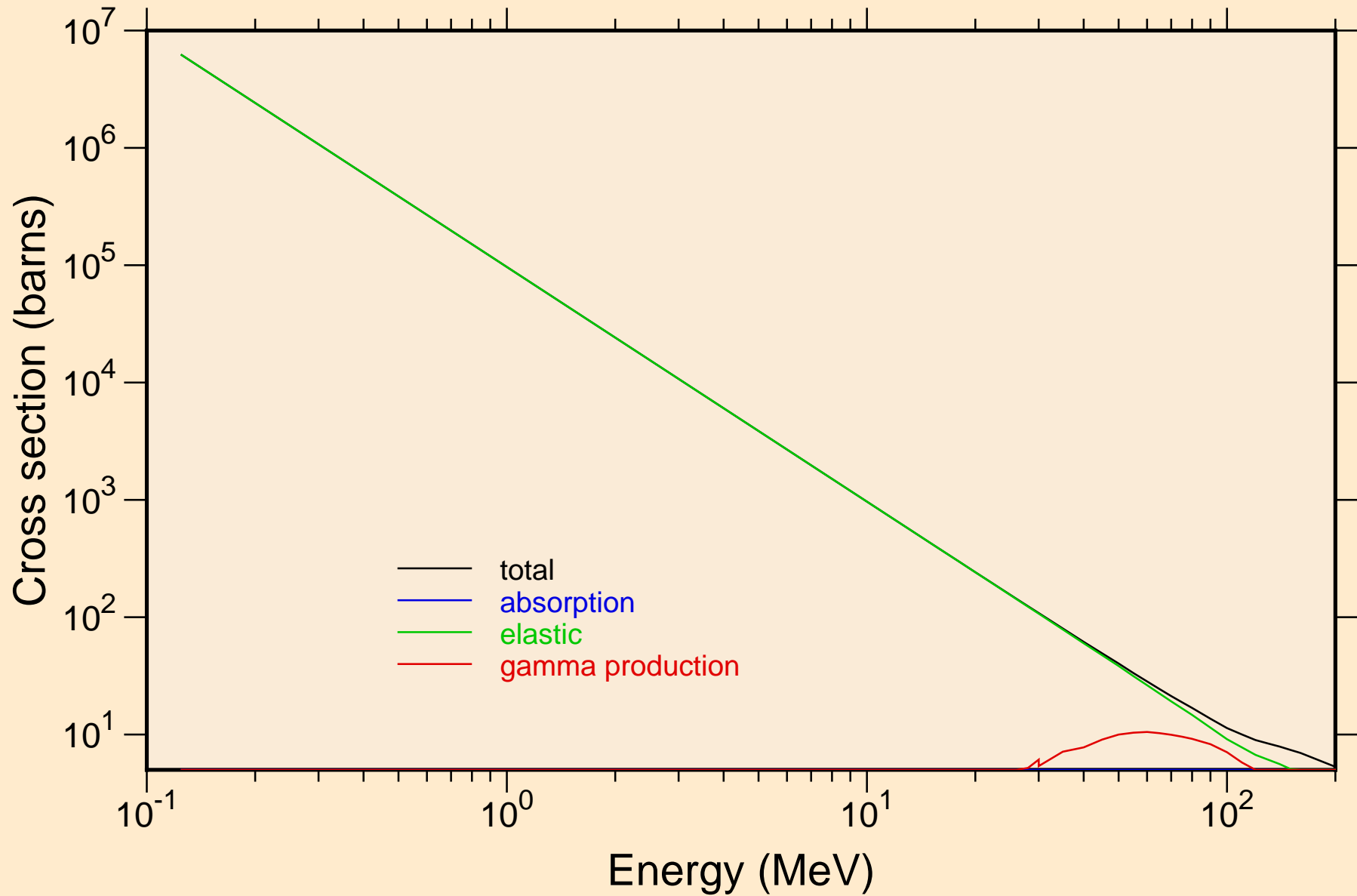
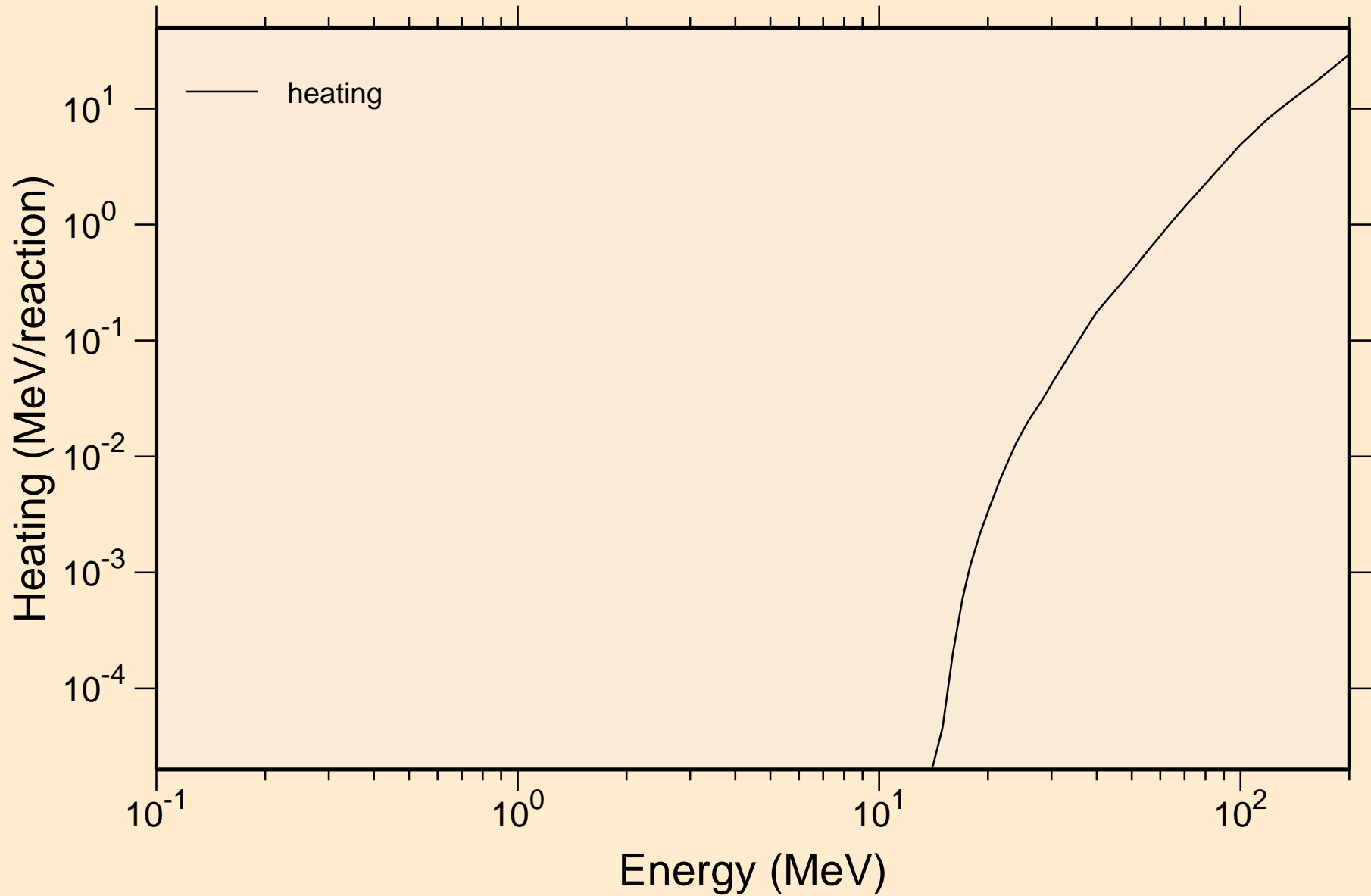


PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Principal cross sections



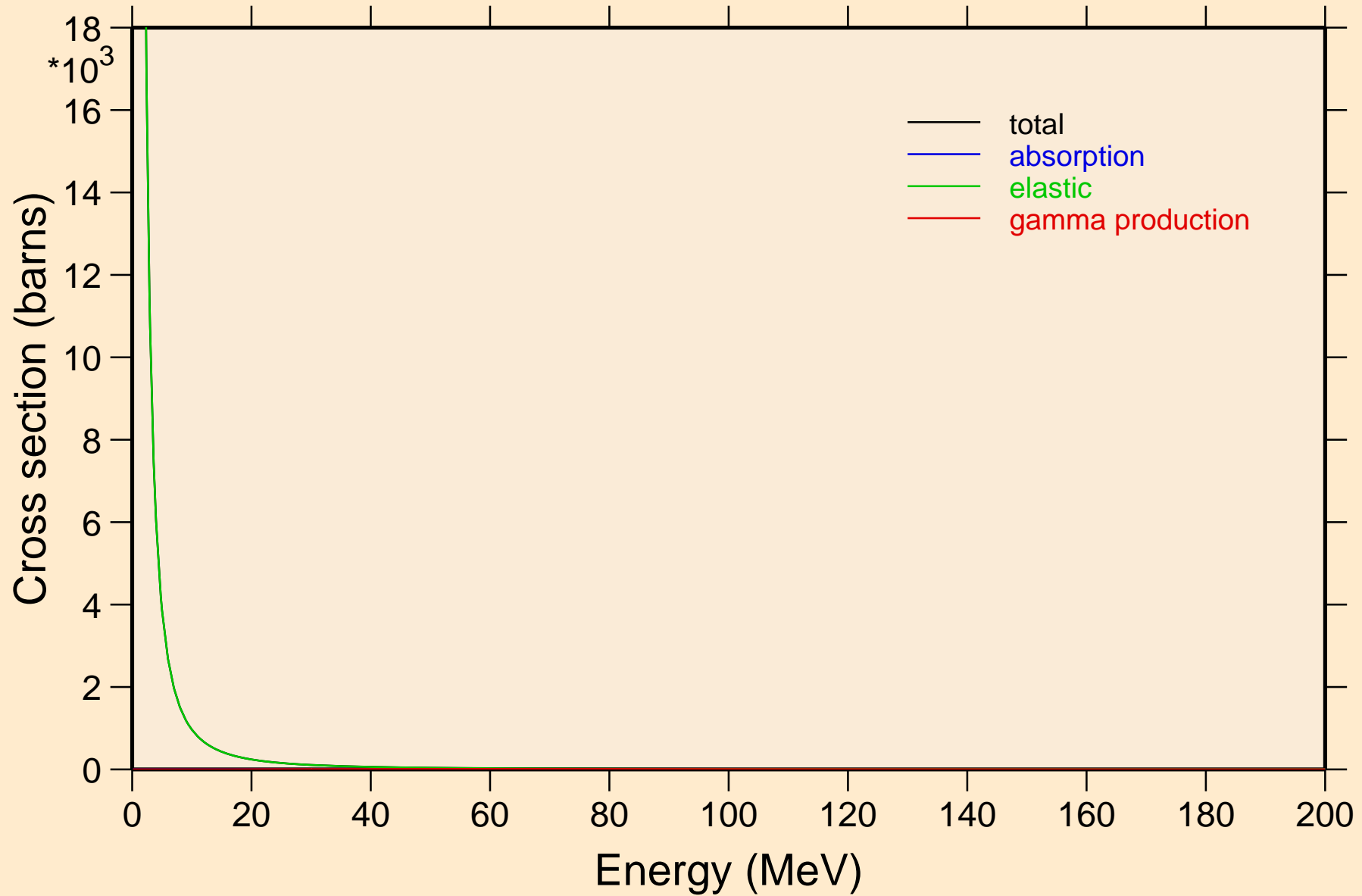
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Heating



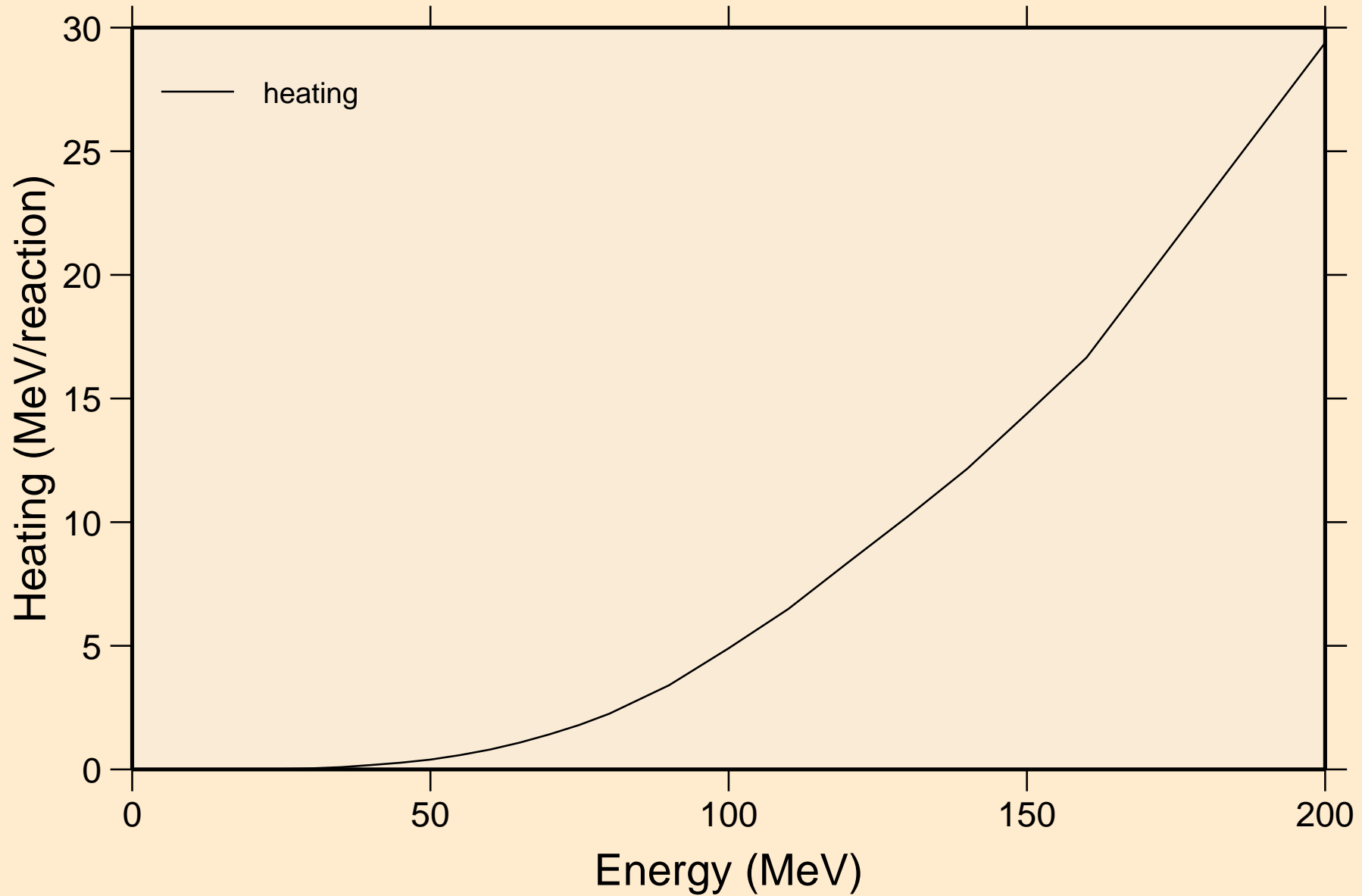
# PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections

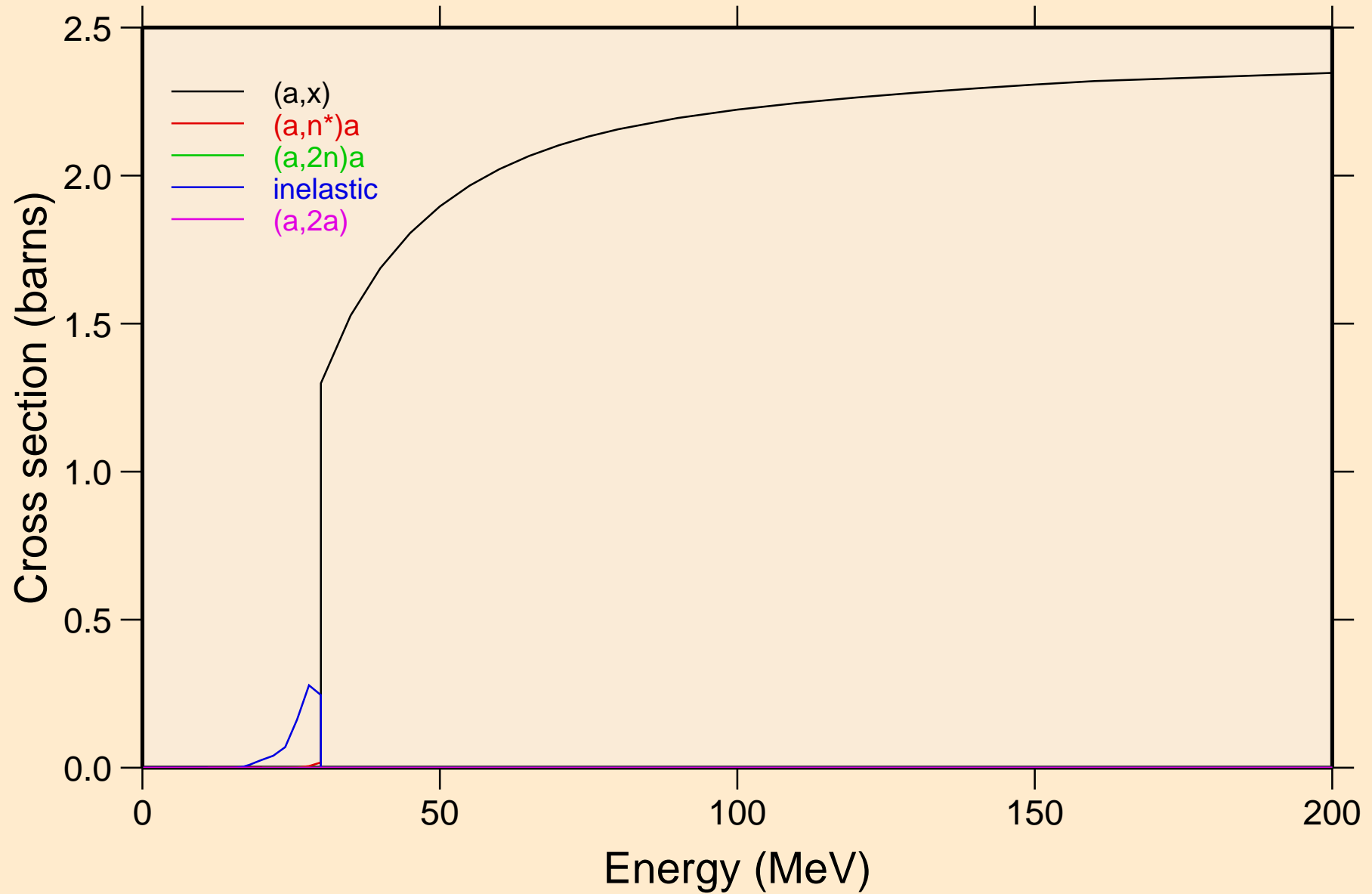


PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

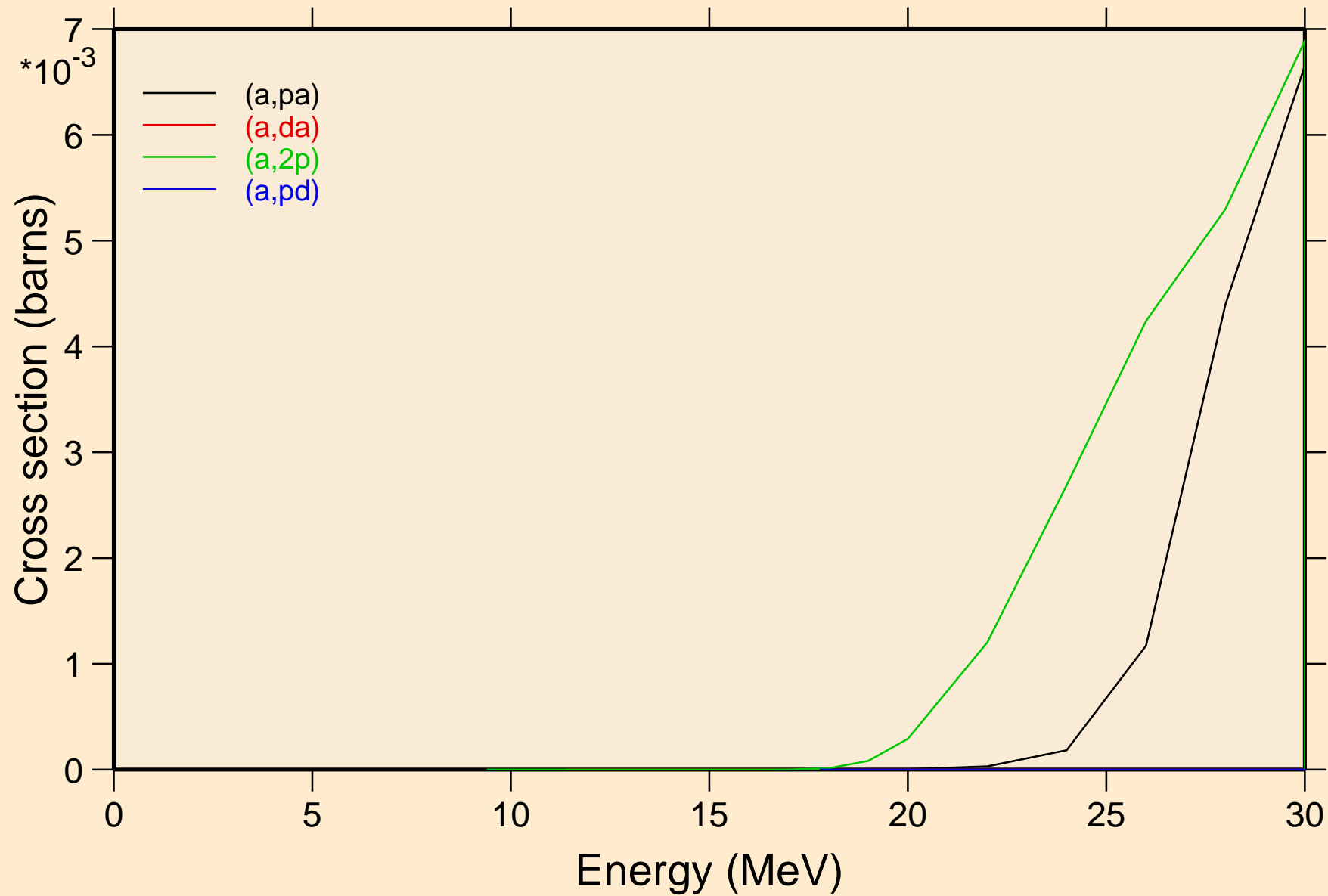
Heating



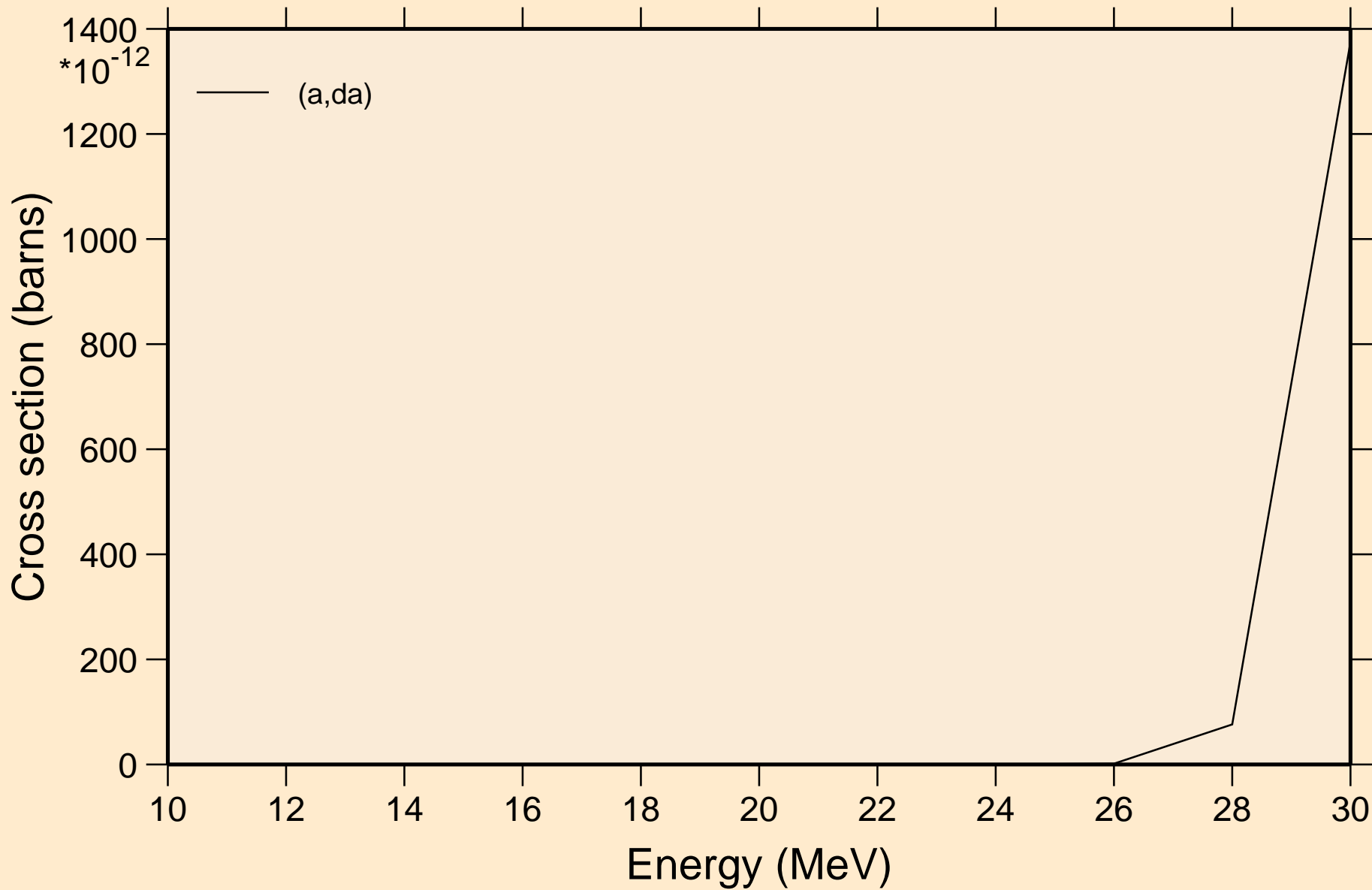
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



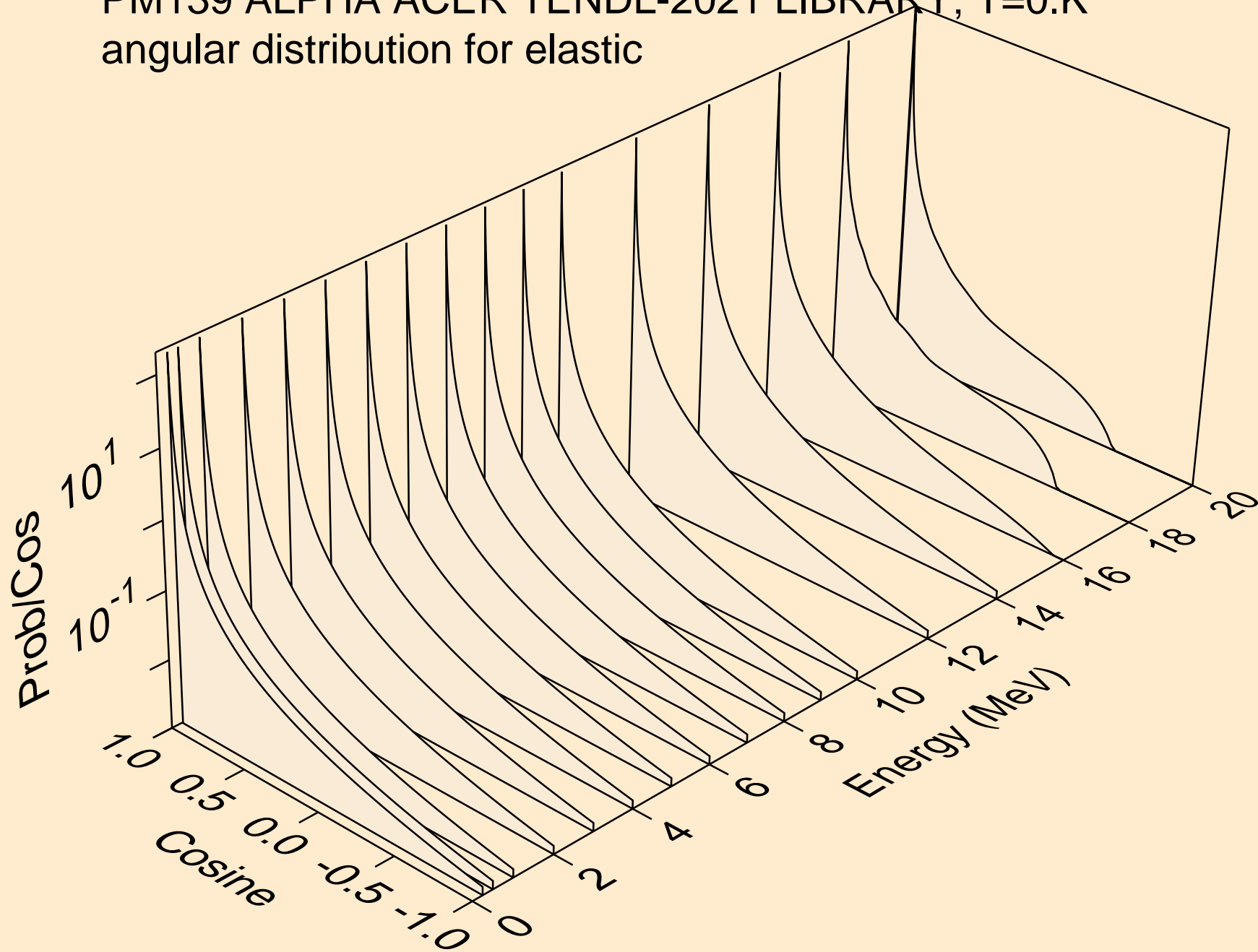
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

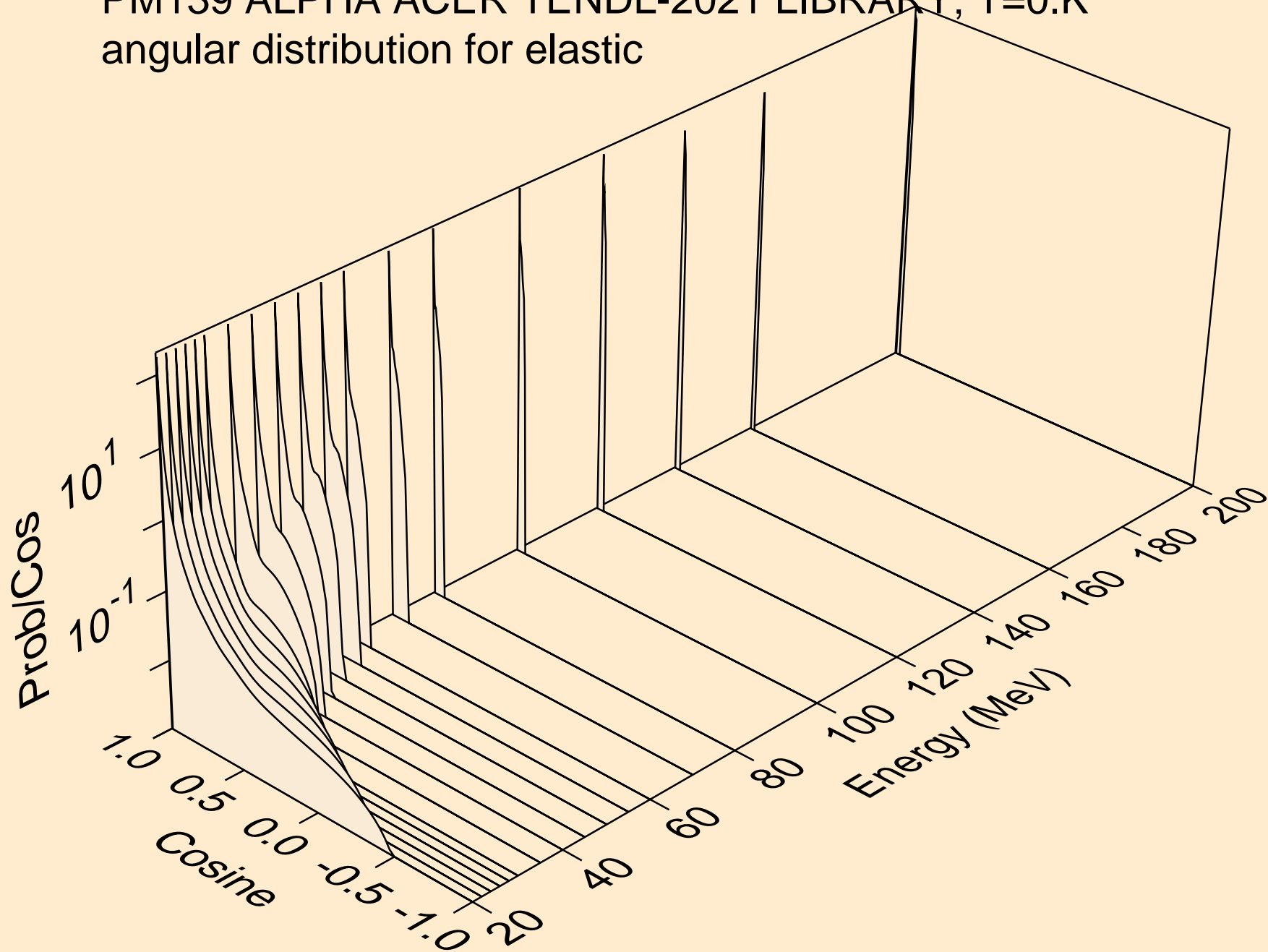


PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic

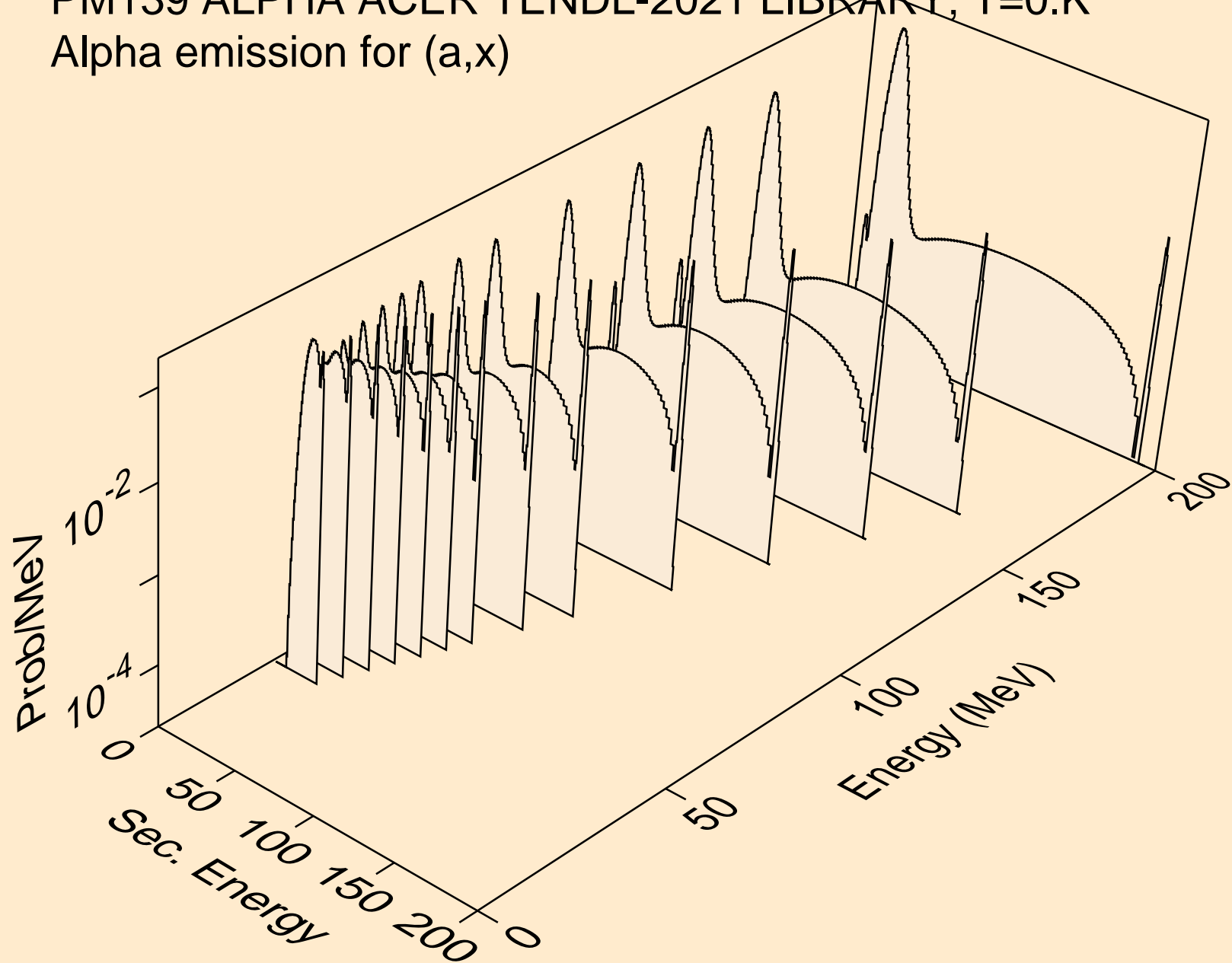




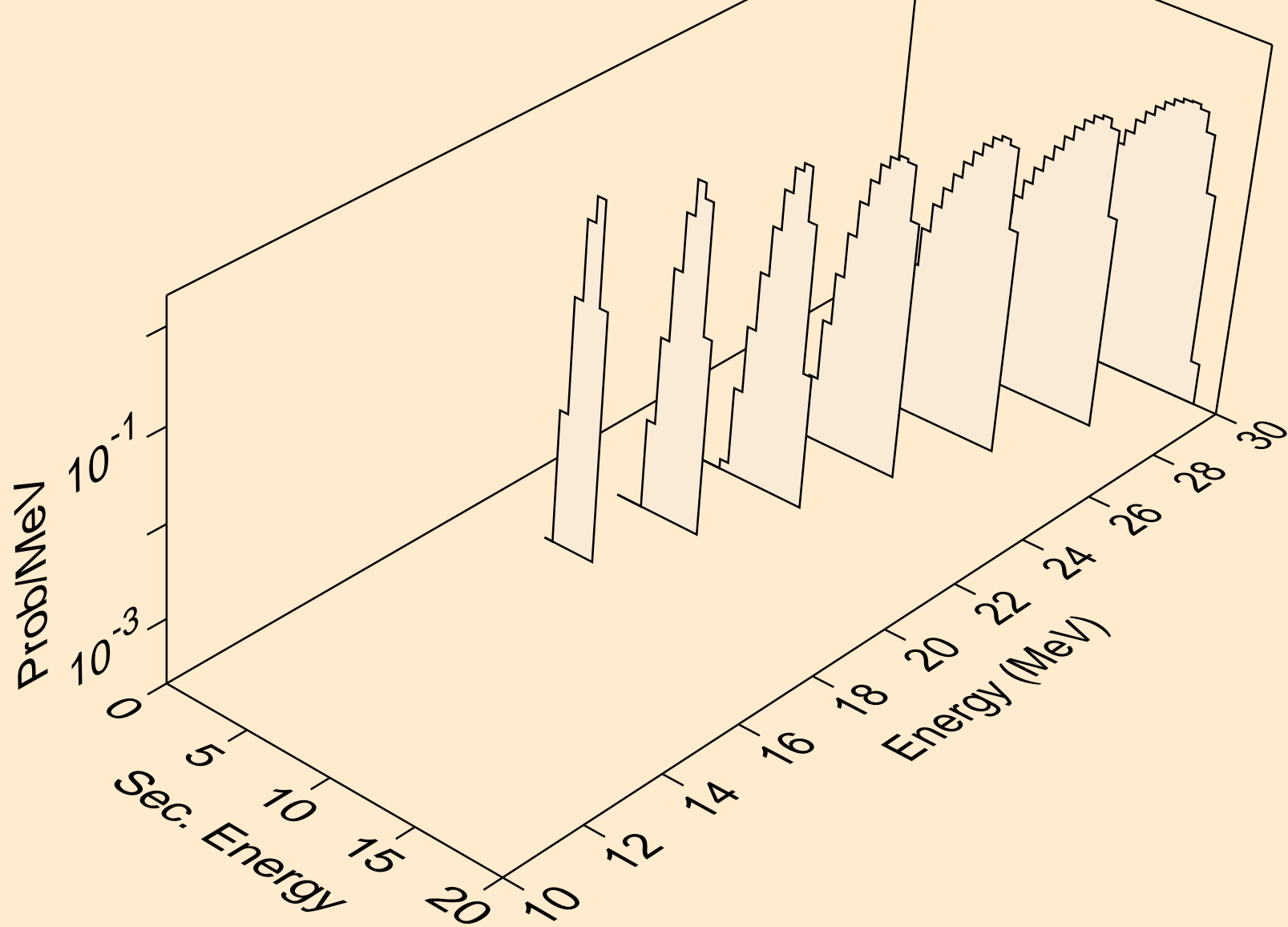
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



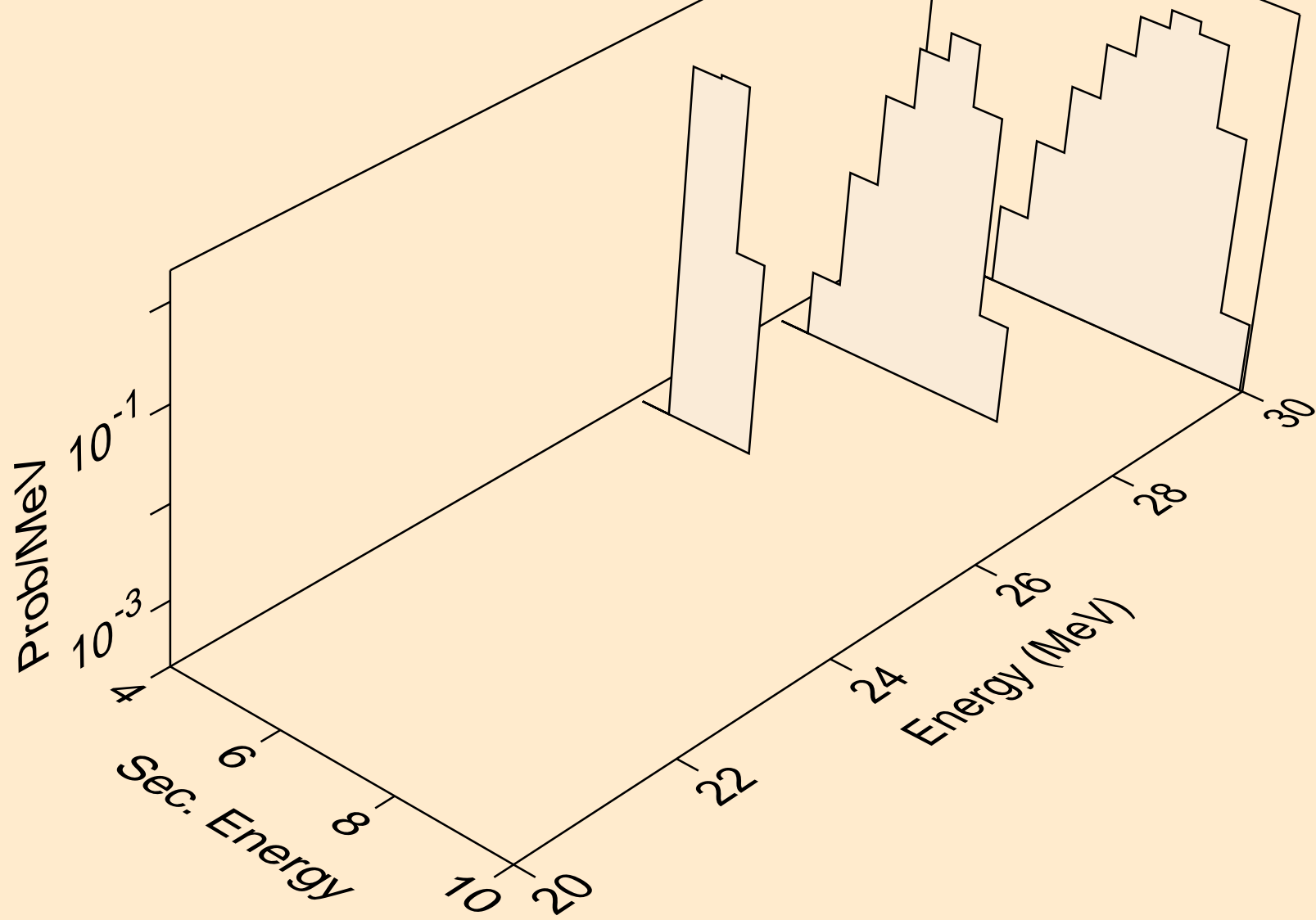
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,x)



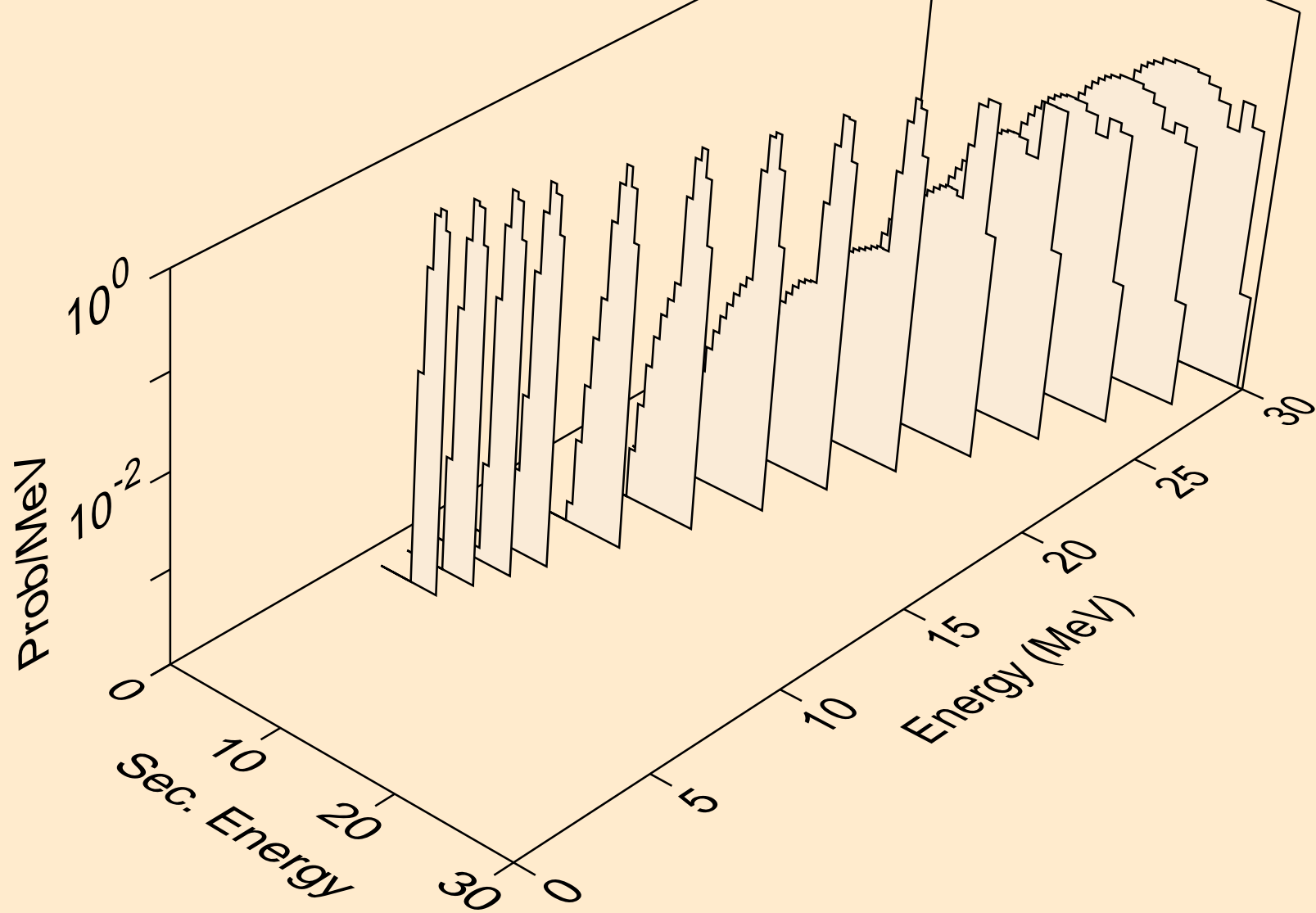
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,n\*)a



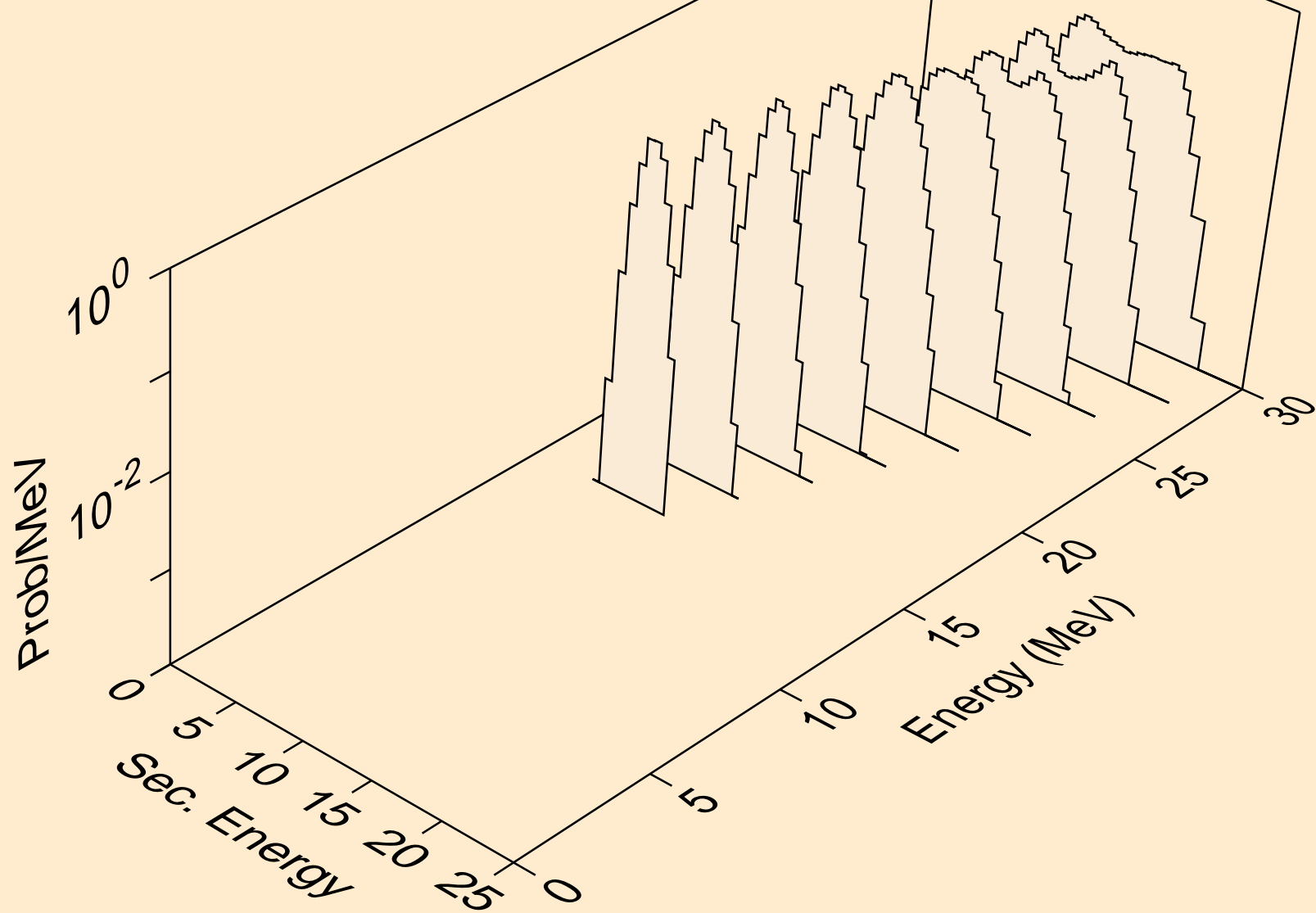
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,2n)a



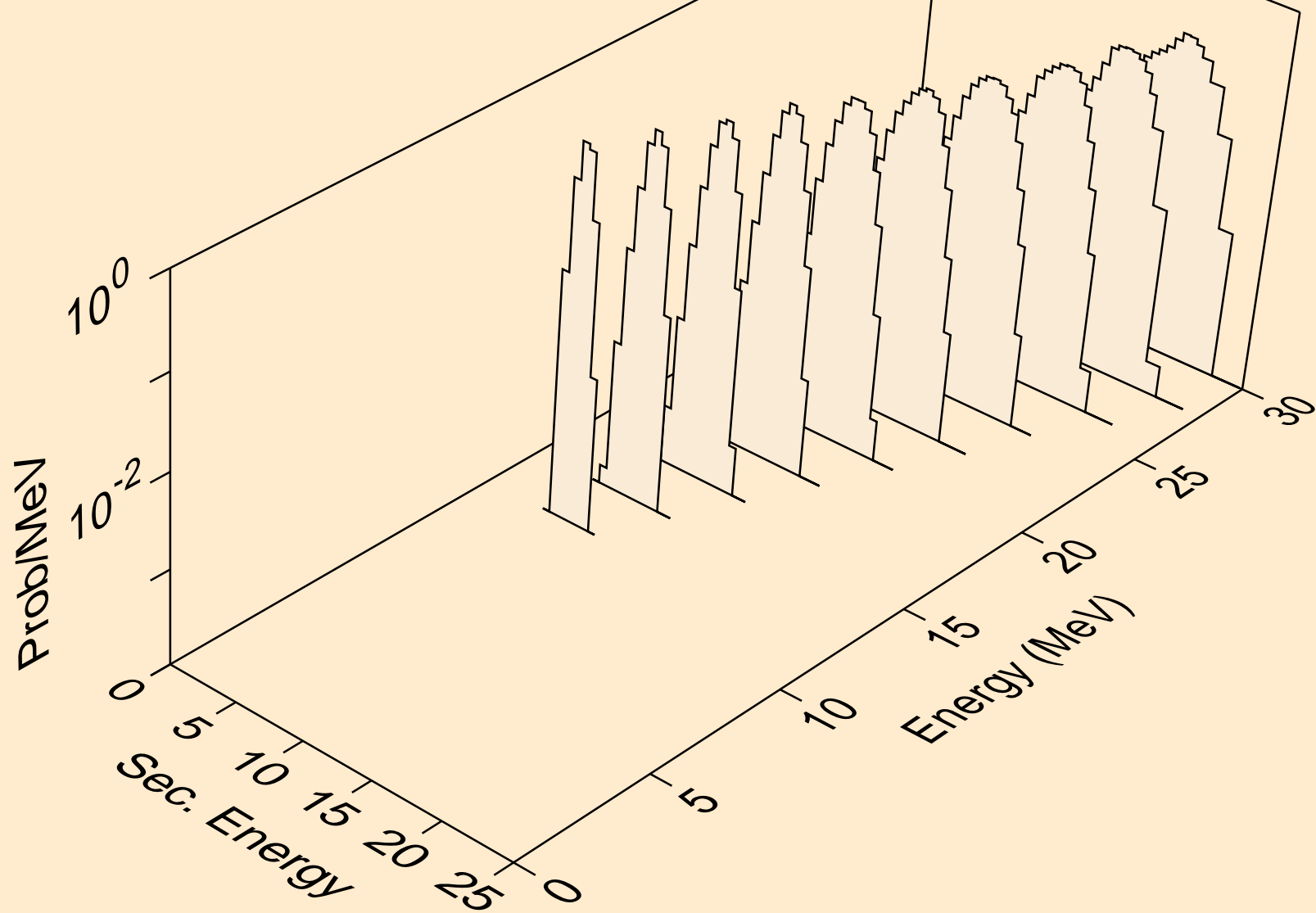
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for inelastic



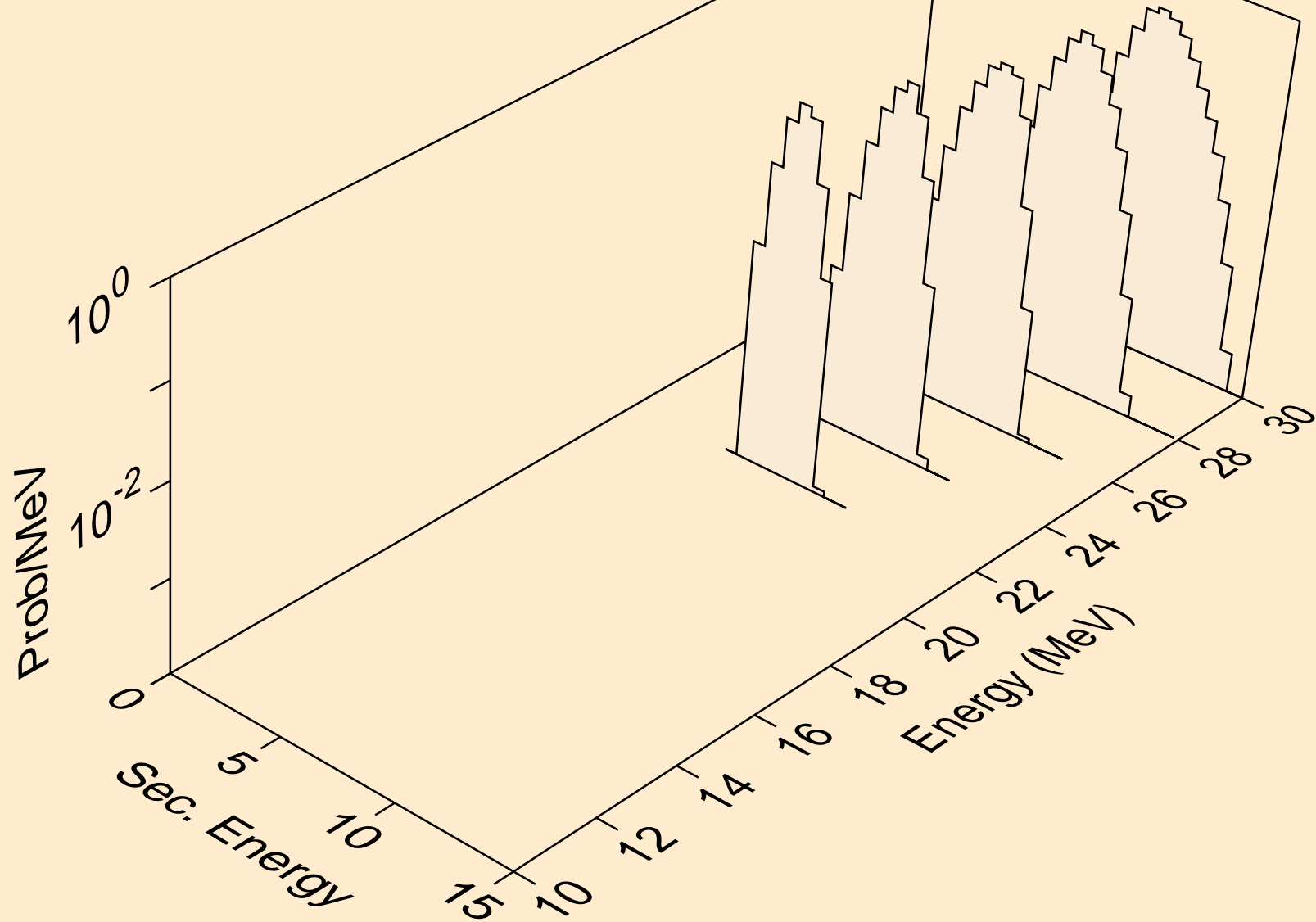
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,2a)



PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,pa)

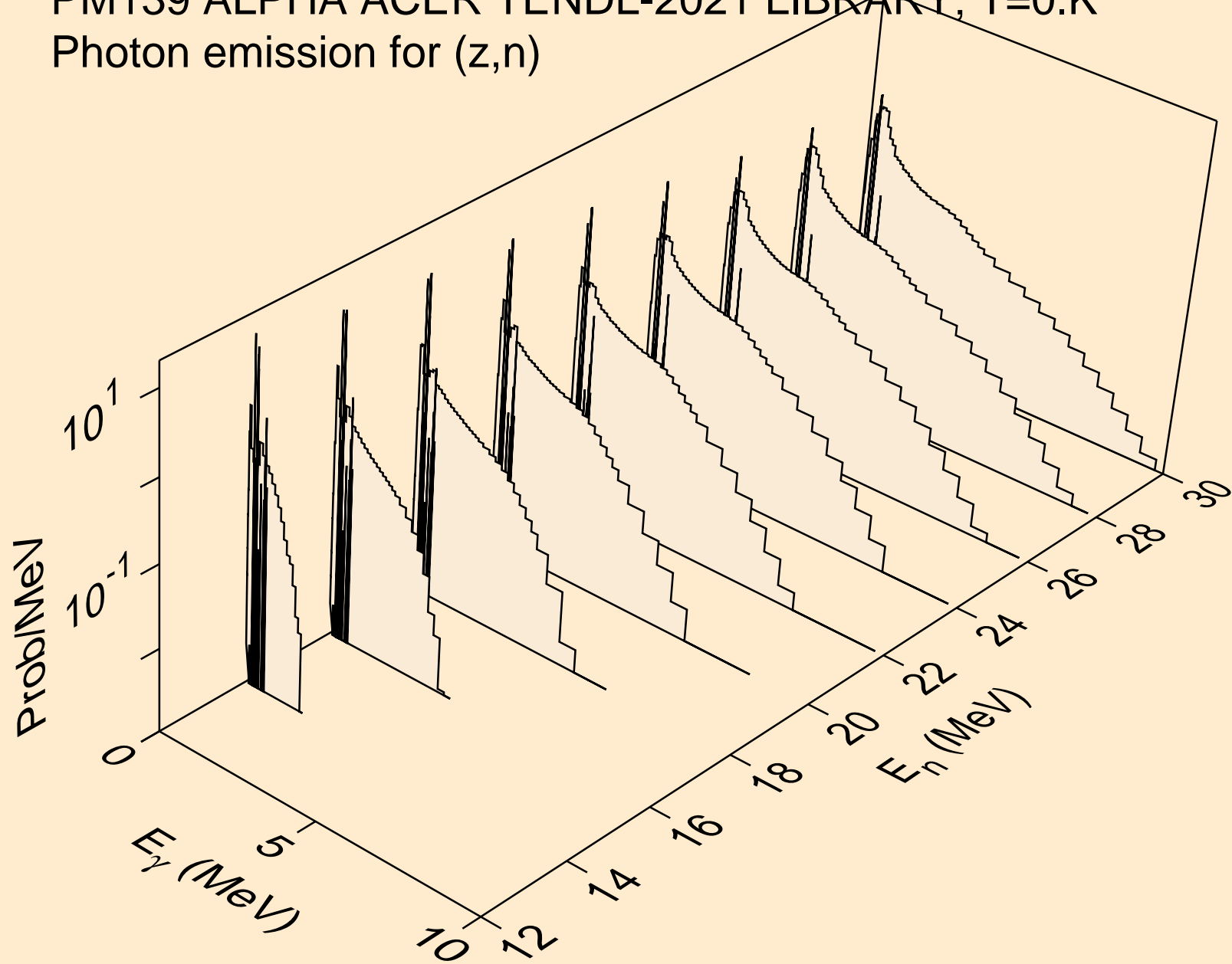


PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,da)

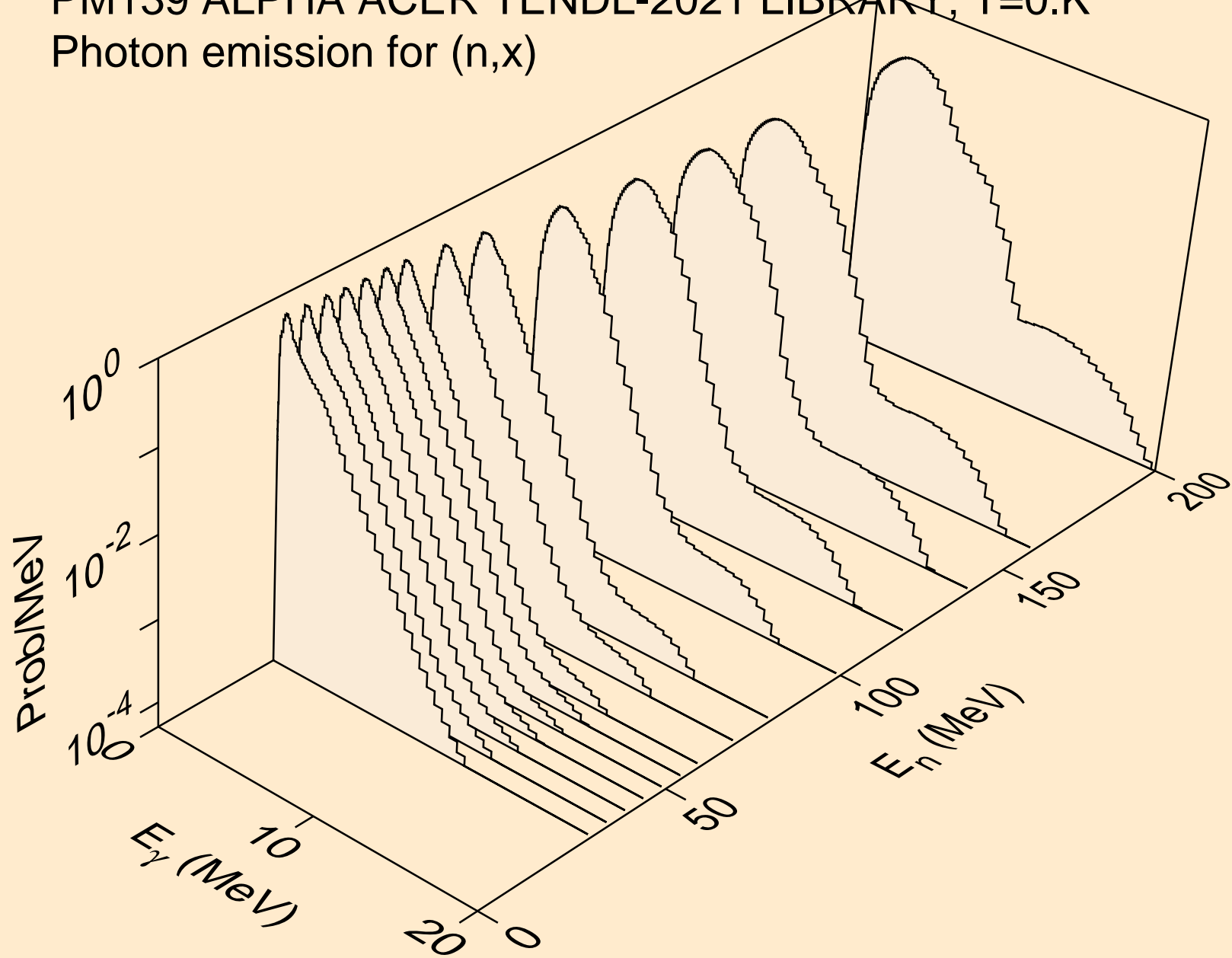




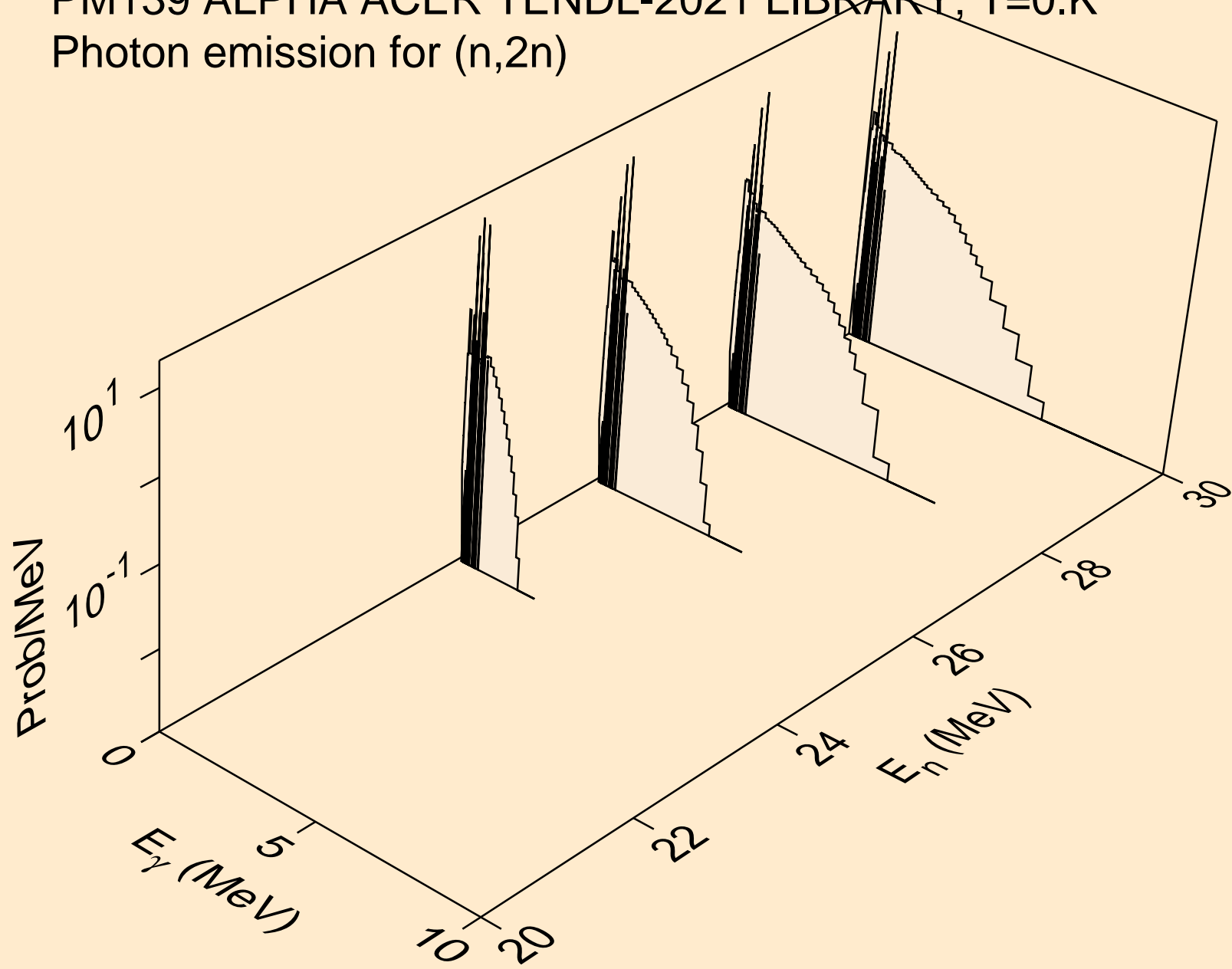
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)



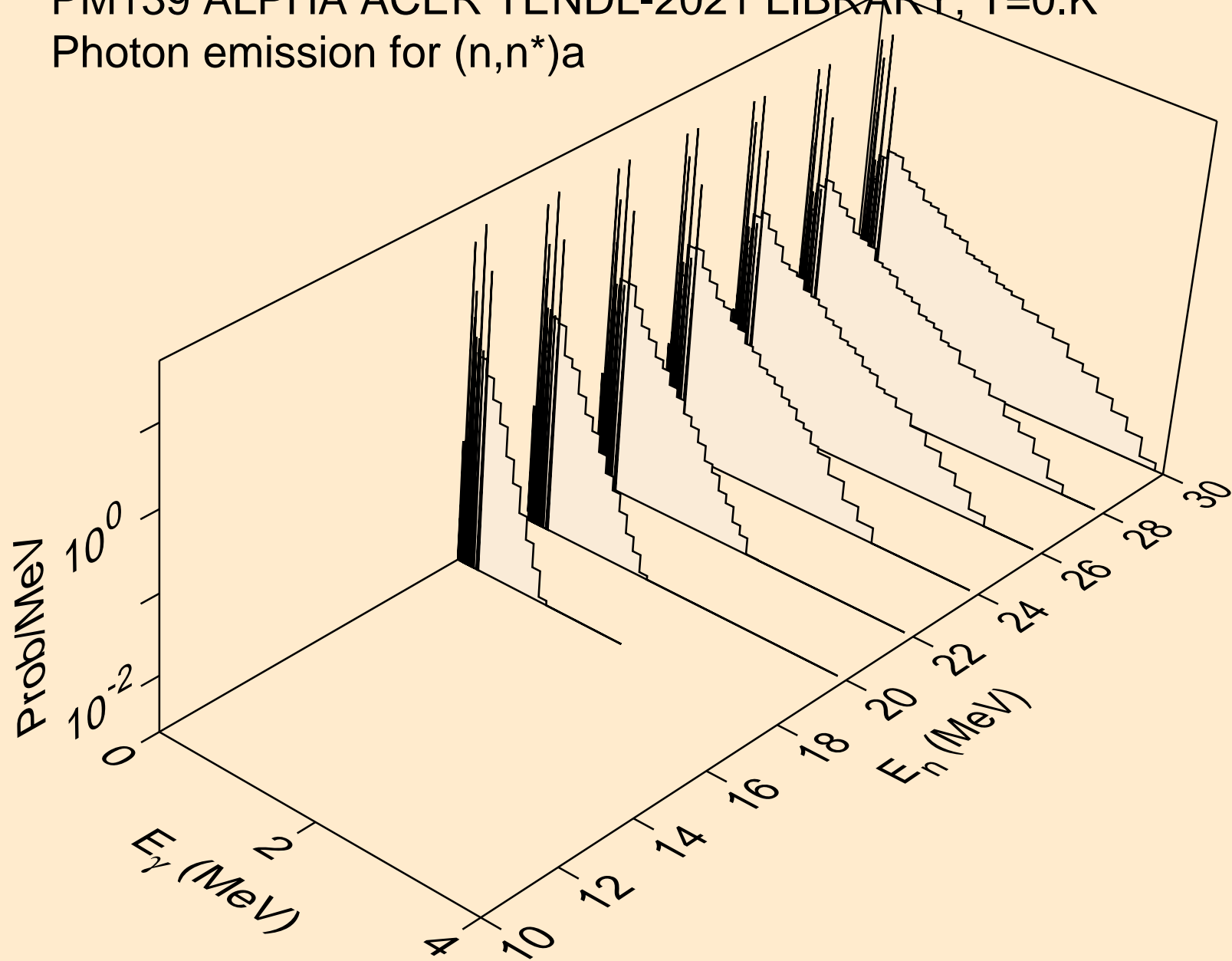
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



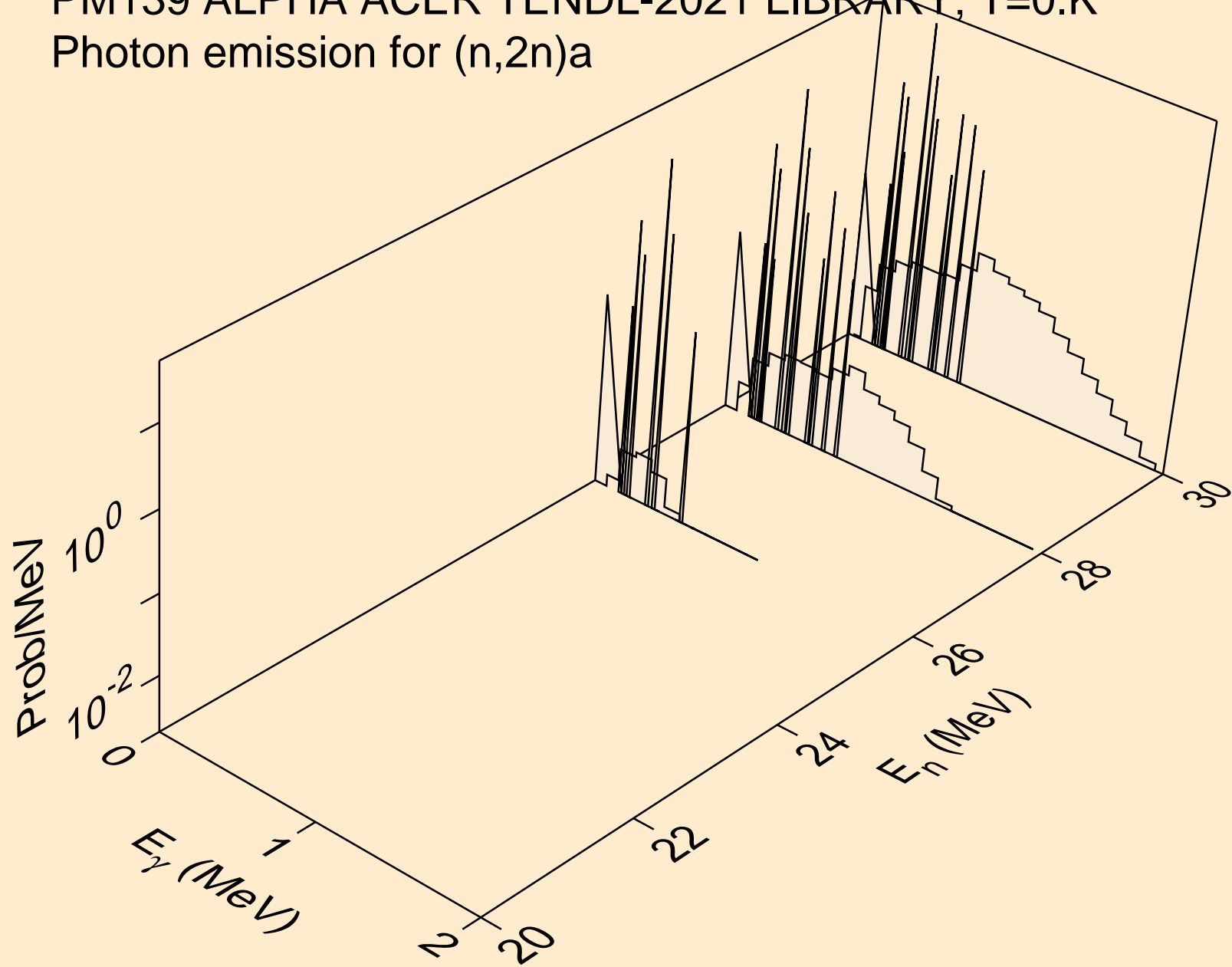
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)



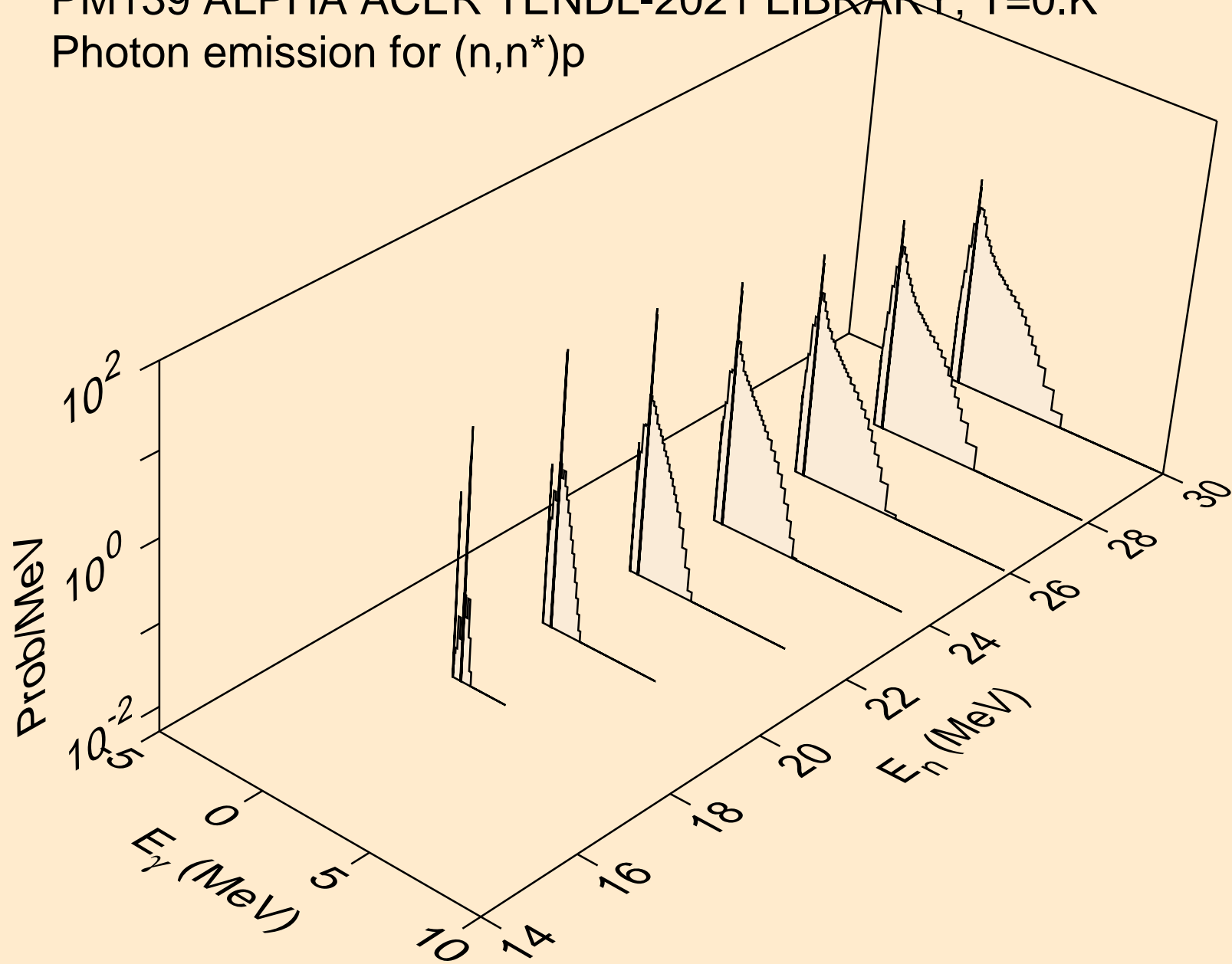
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



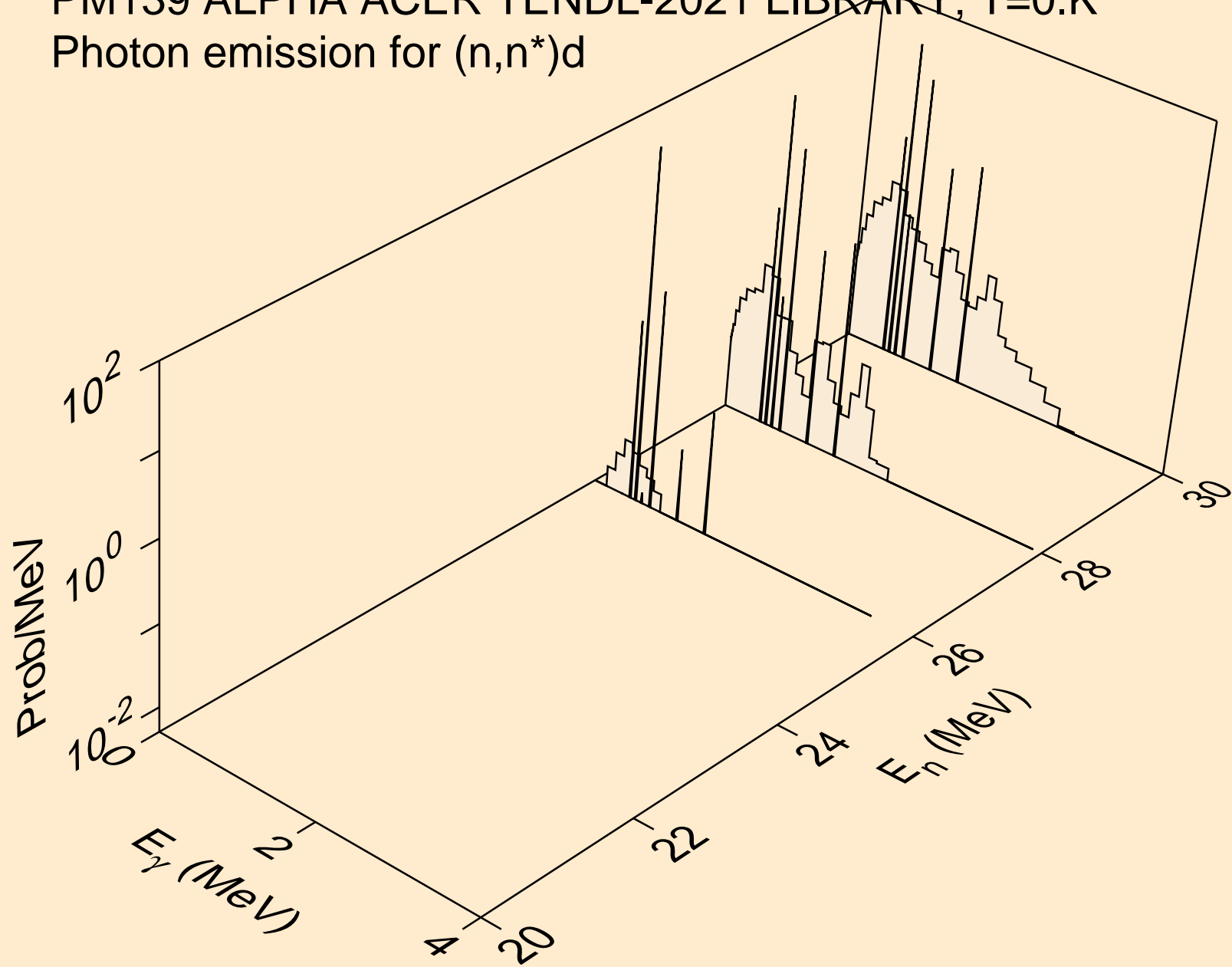
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)a



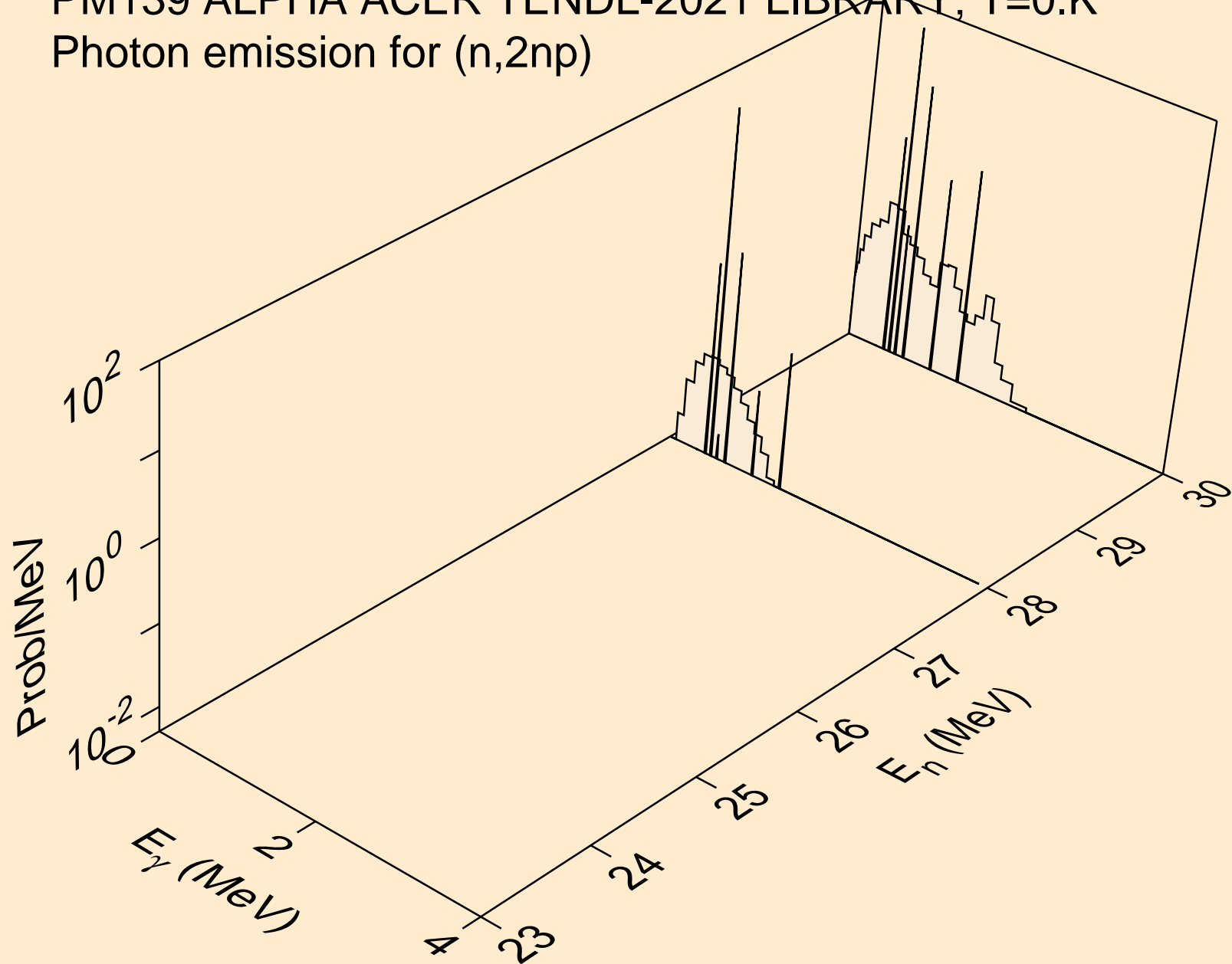
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

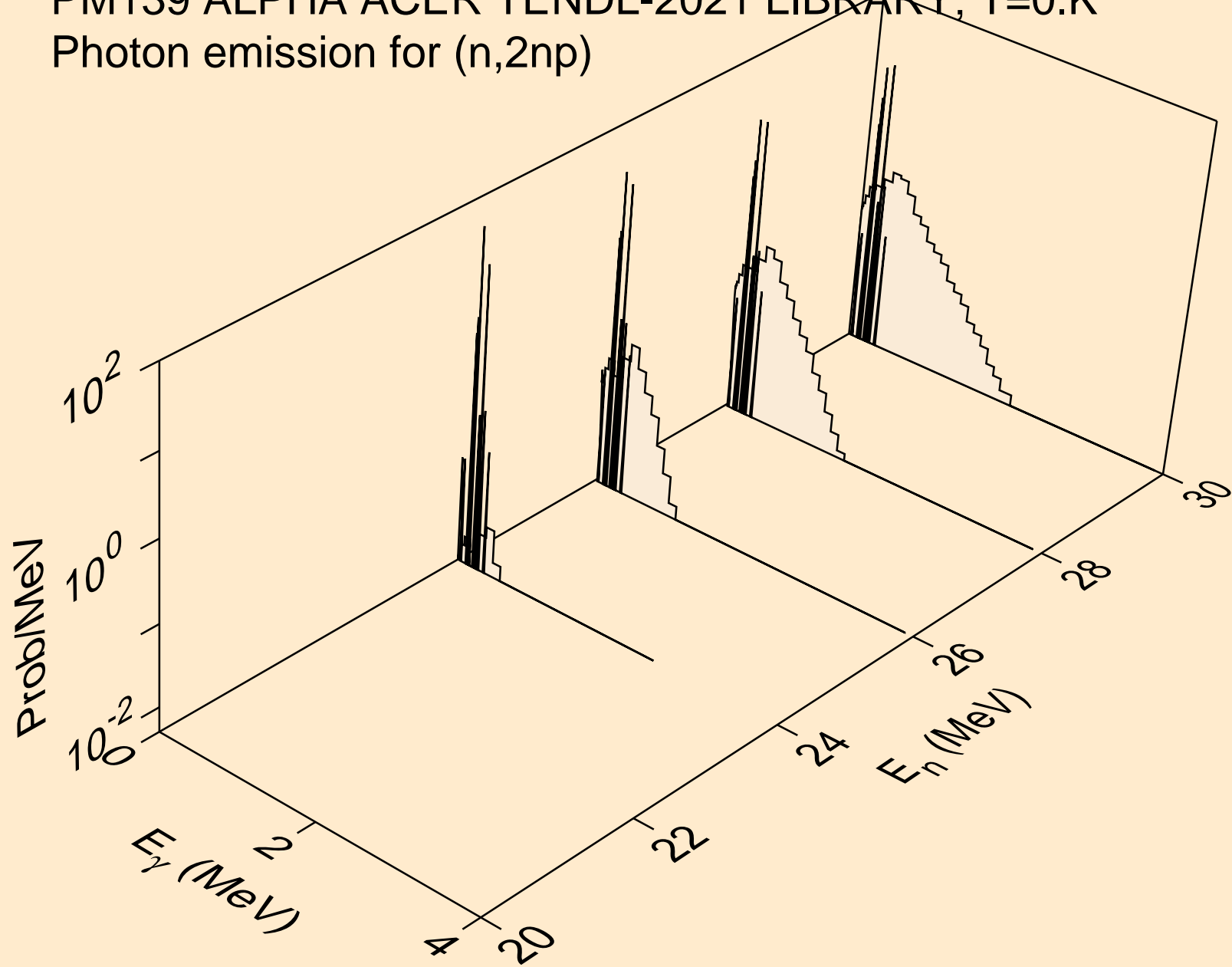


PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)

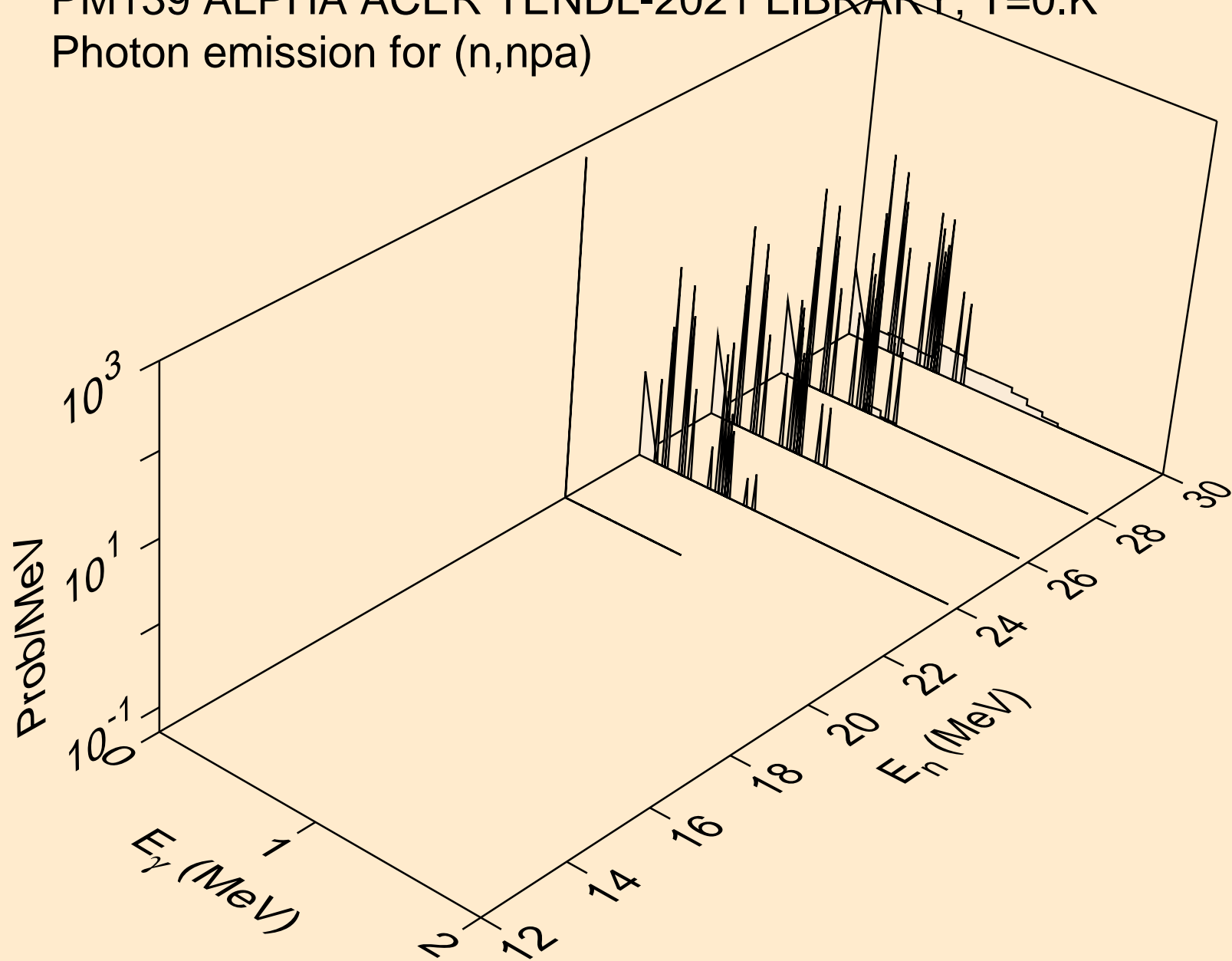




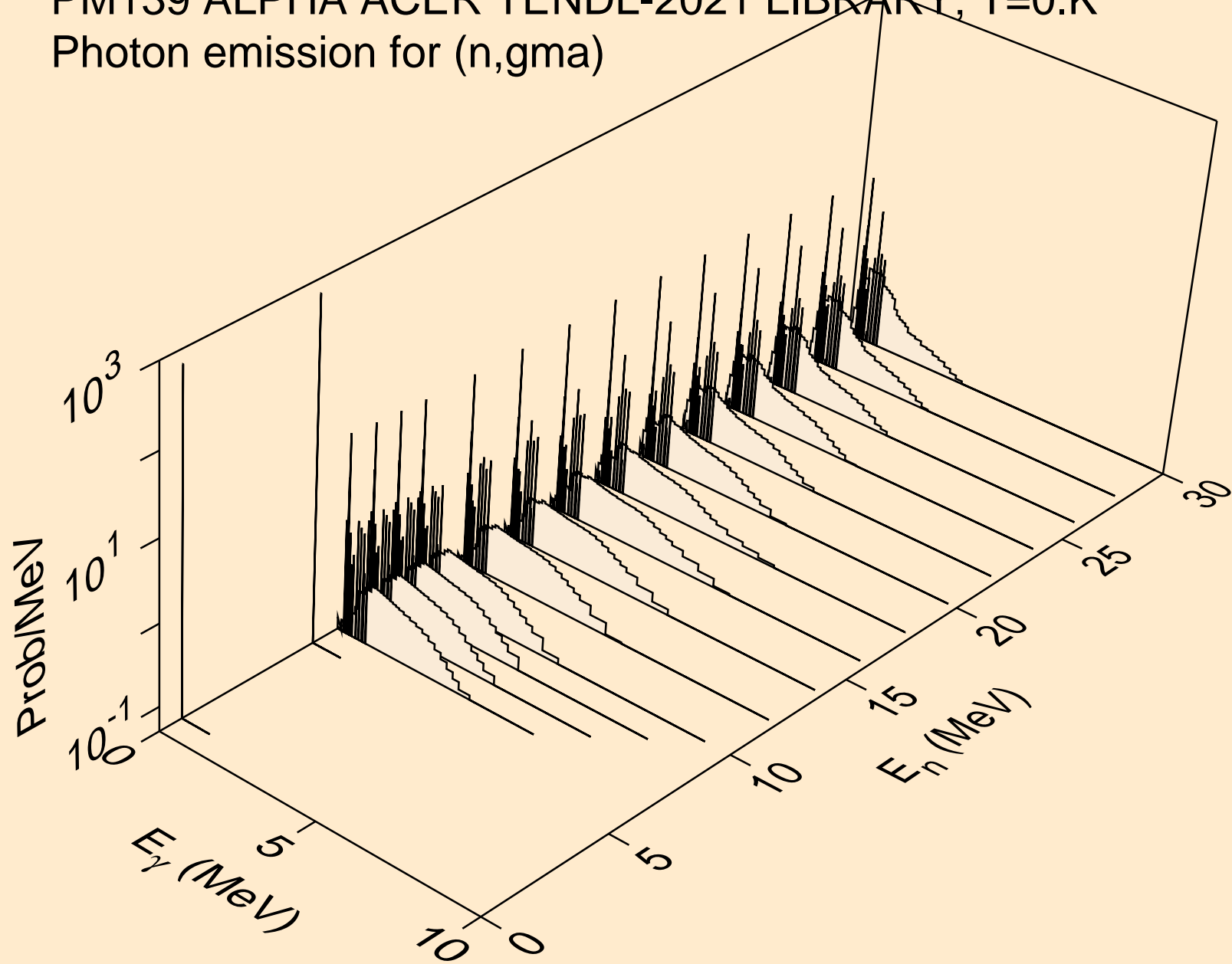
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



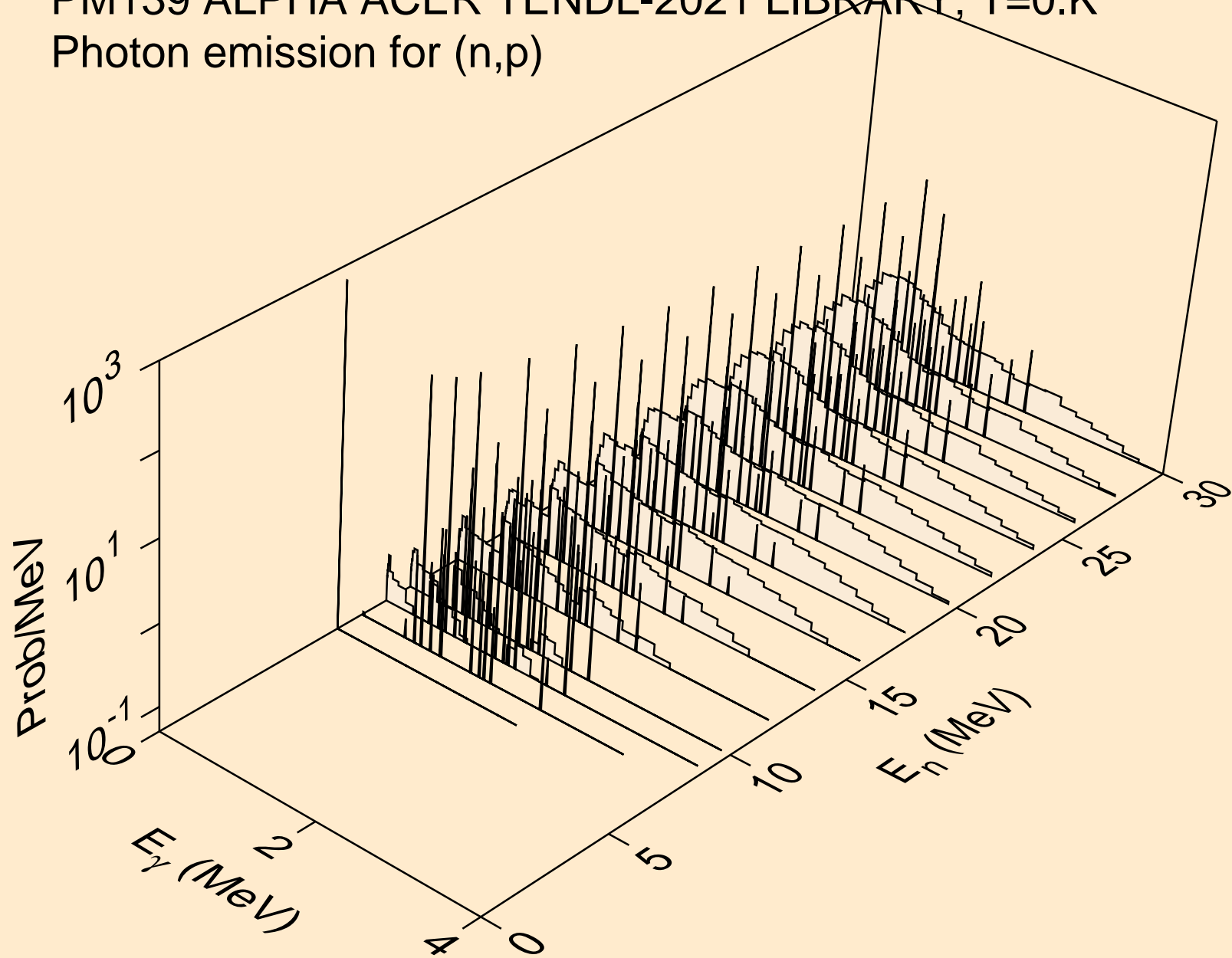
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,npa)



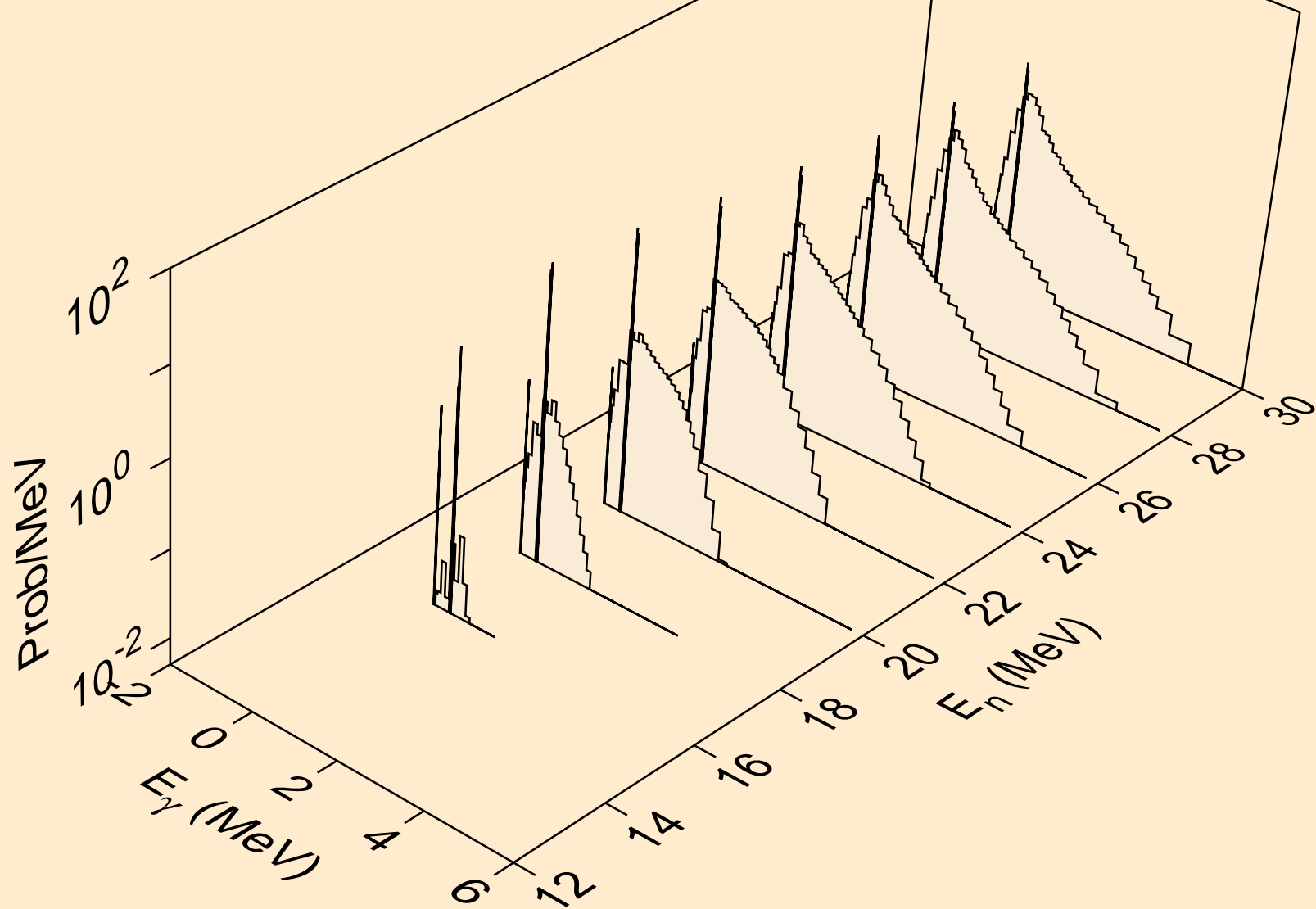
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,gma)



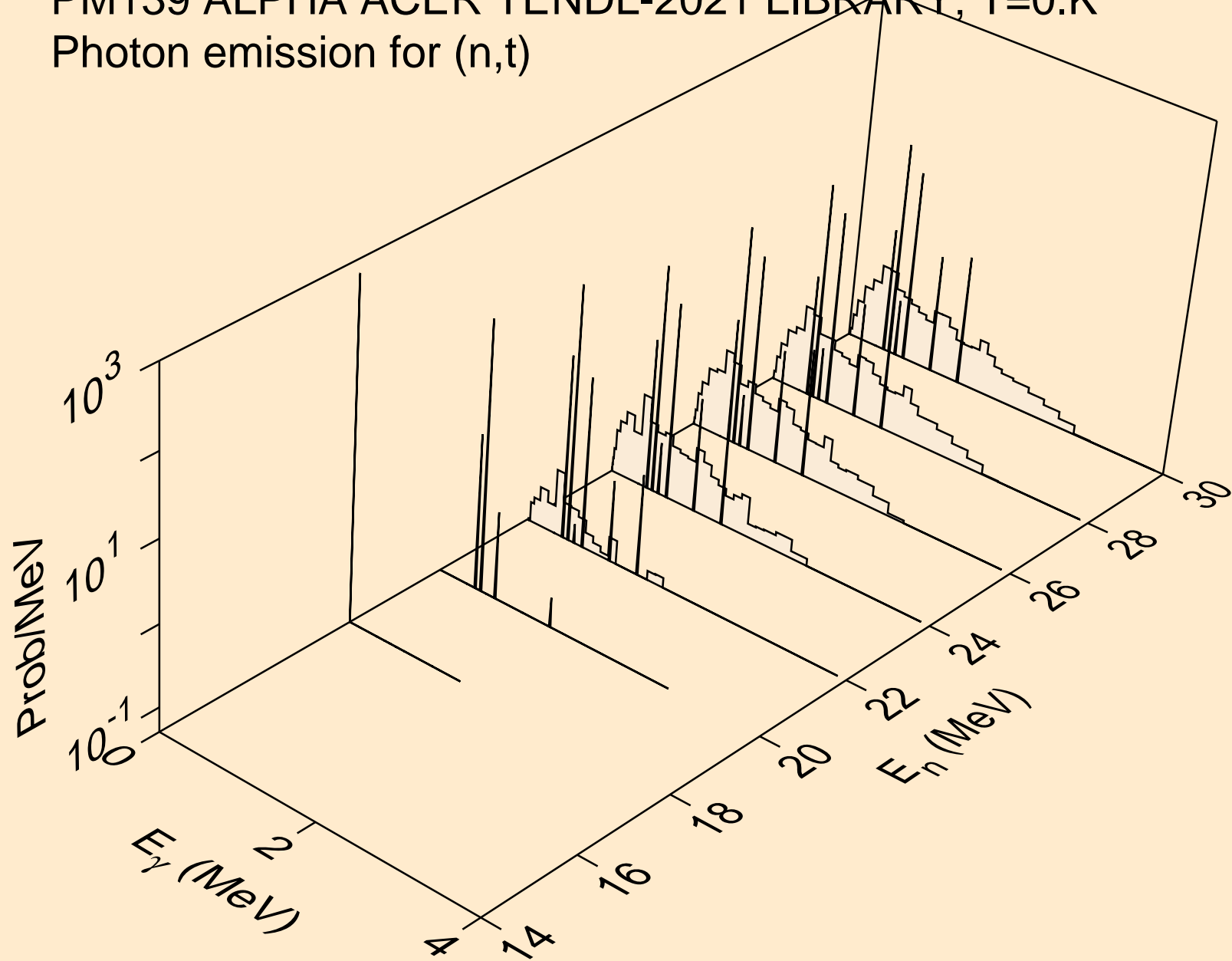
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,p)



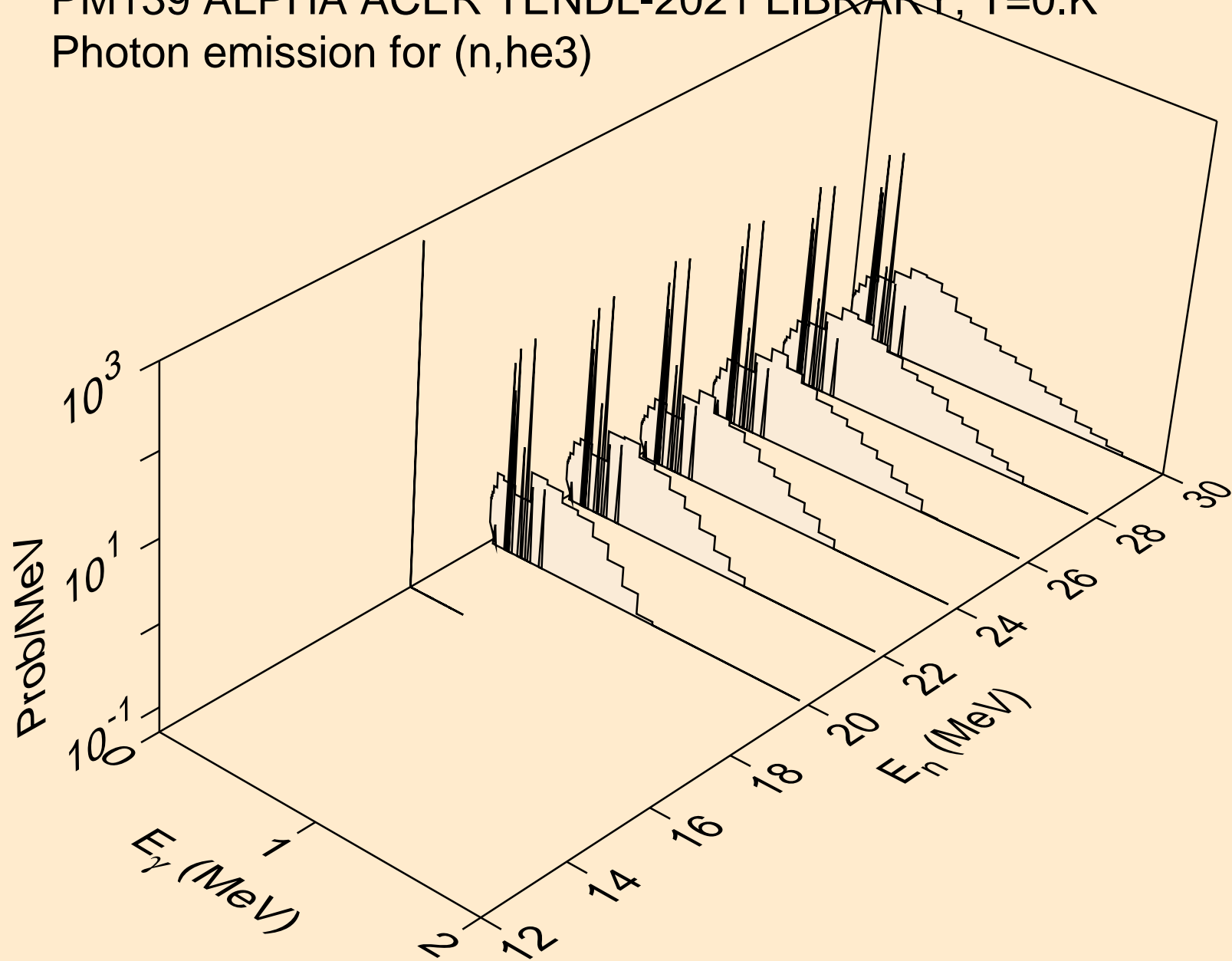
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,d)



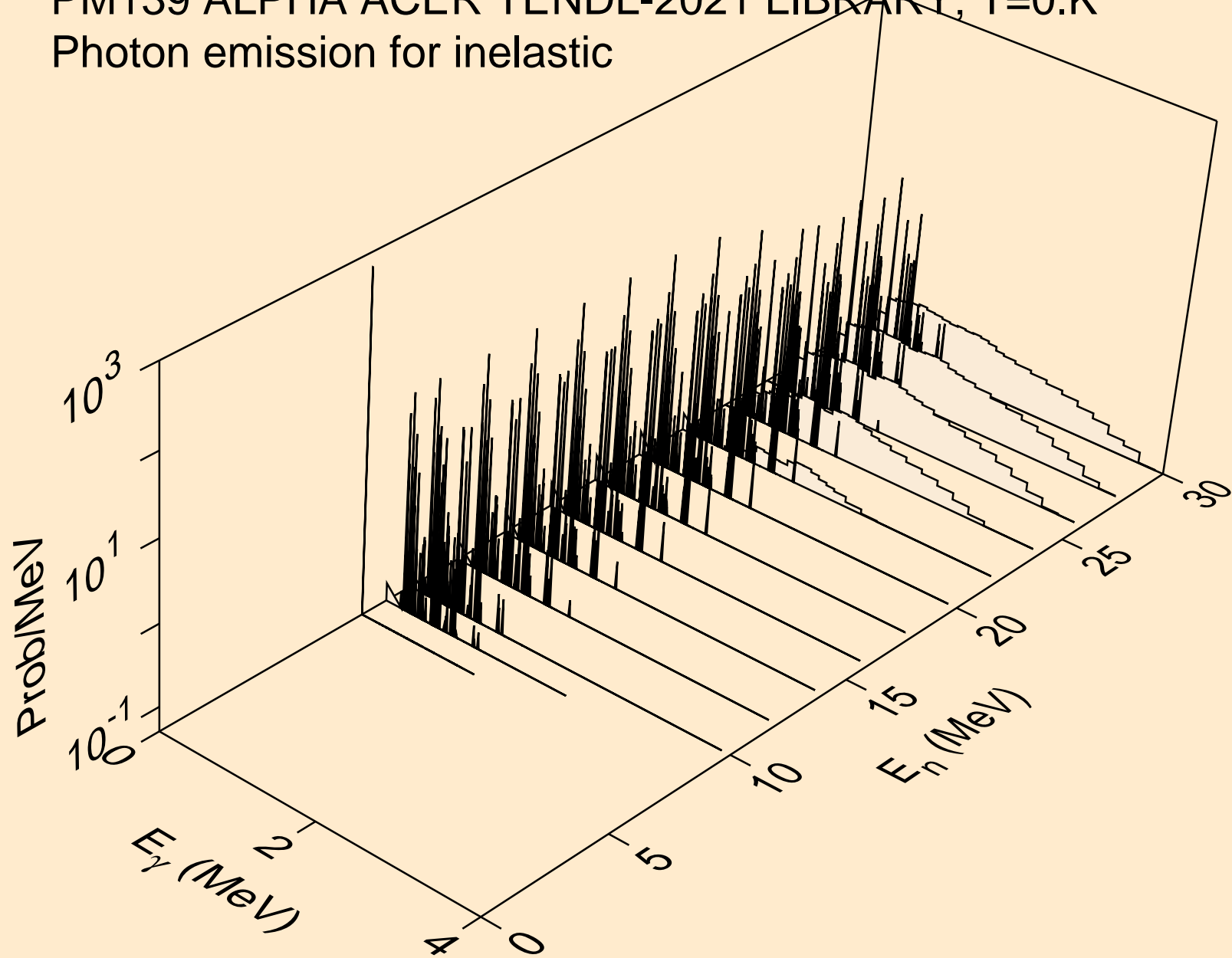
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,t)



PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,he3)

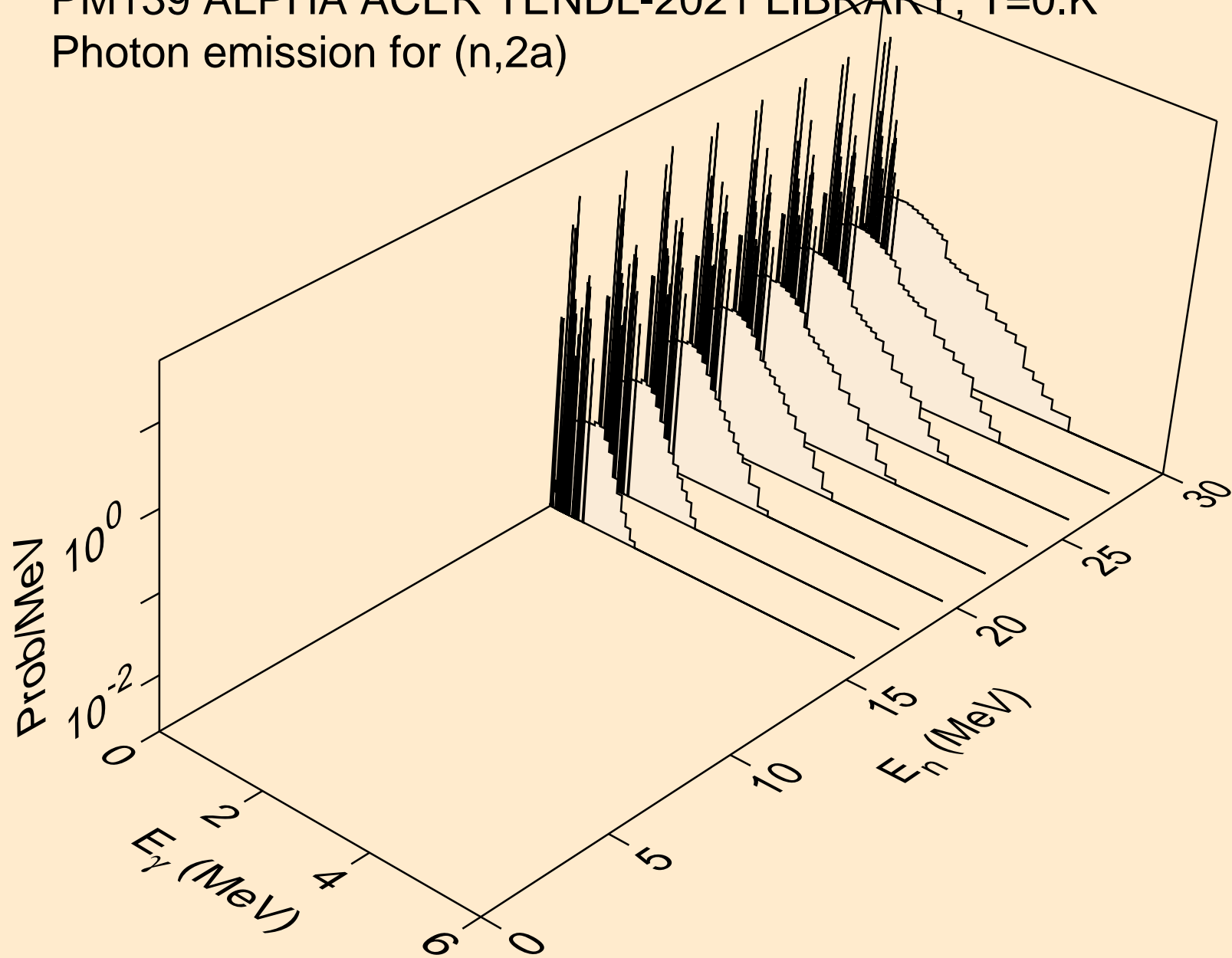


PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic

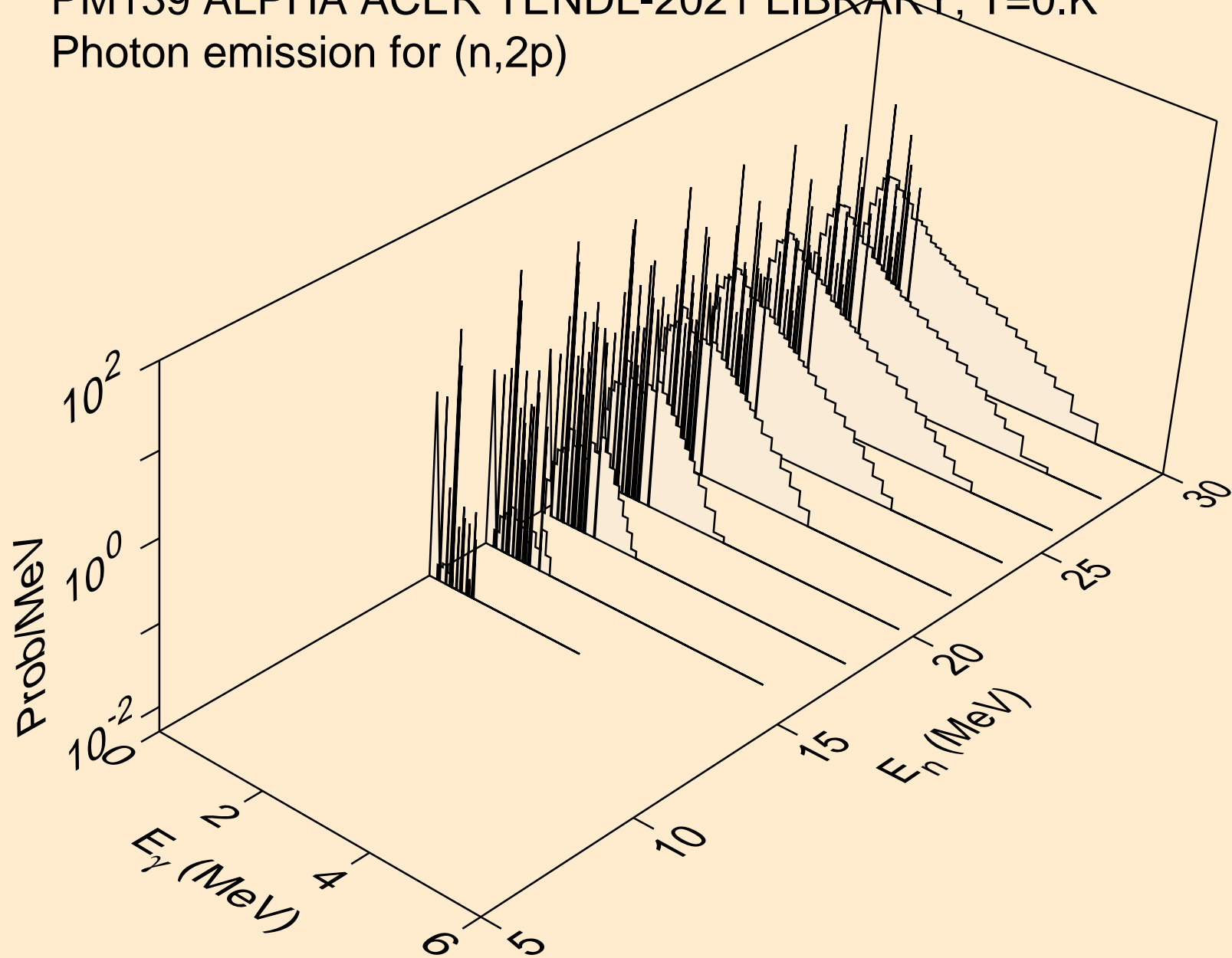




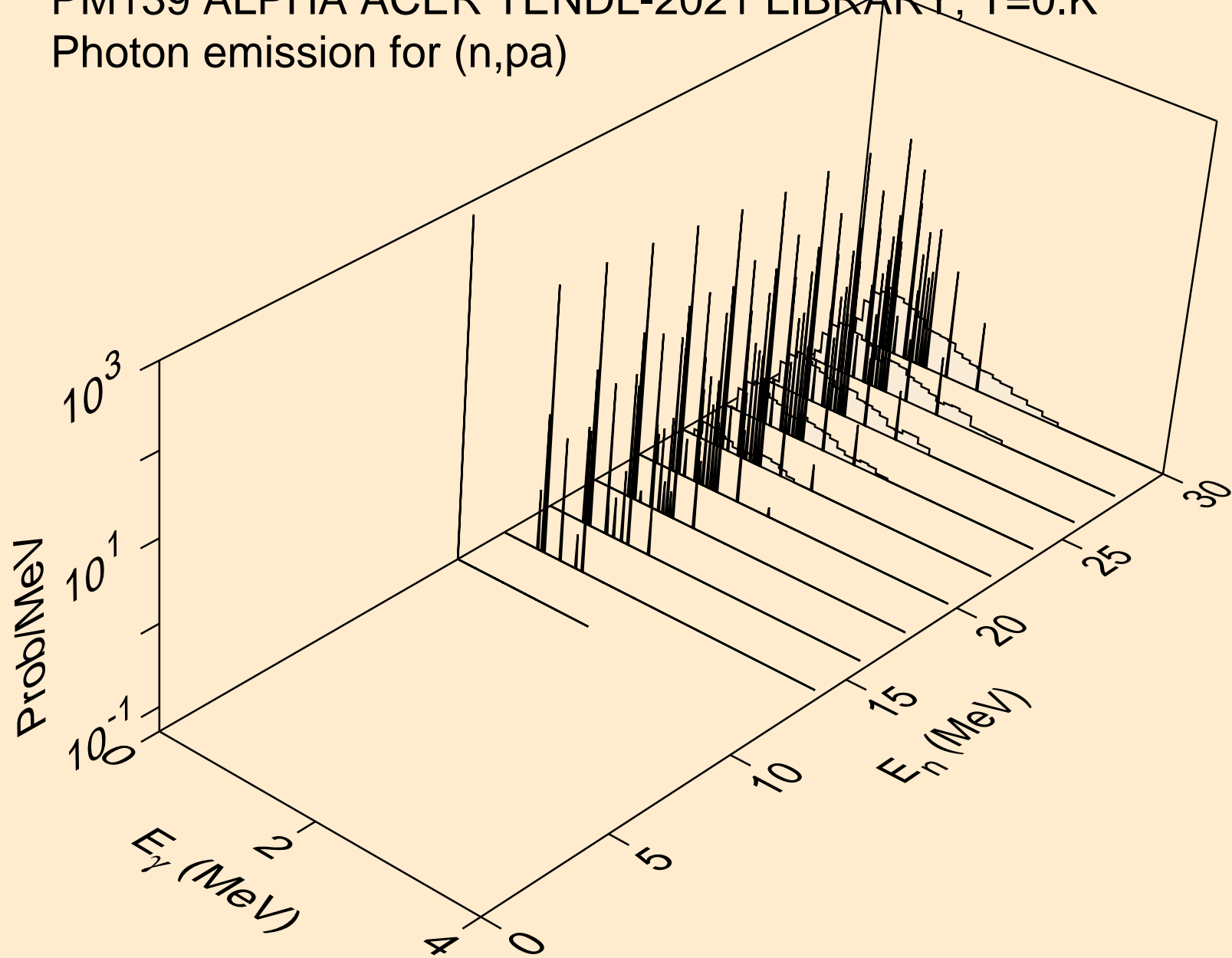
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2a)



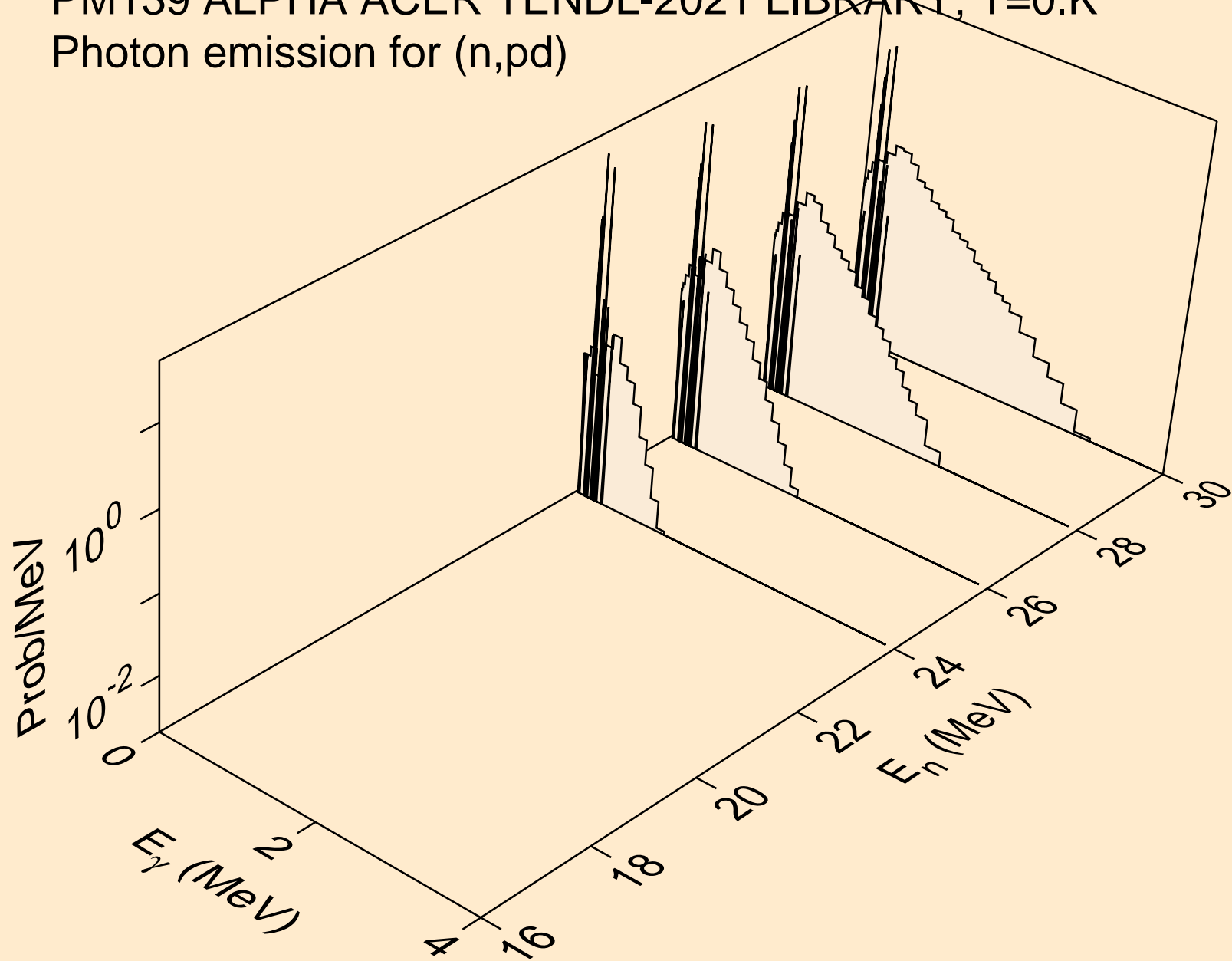
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)



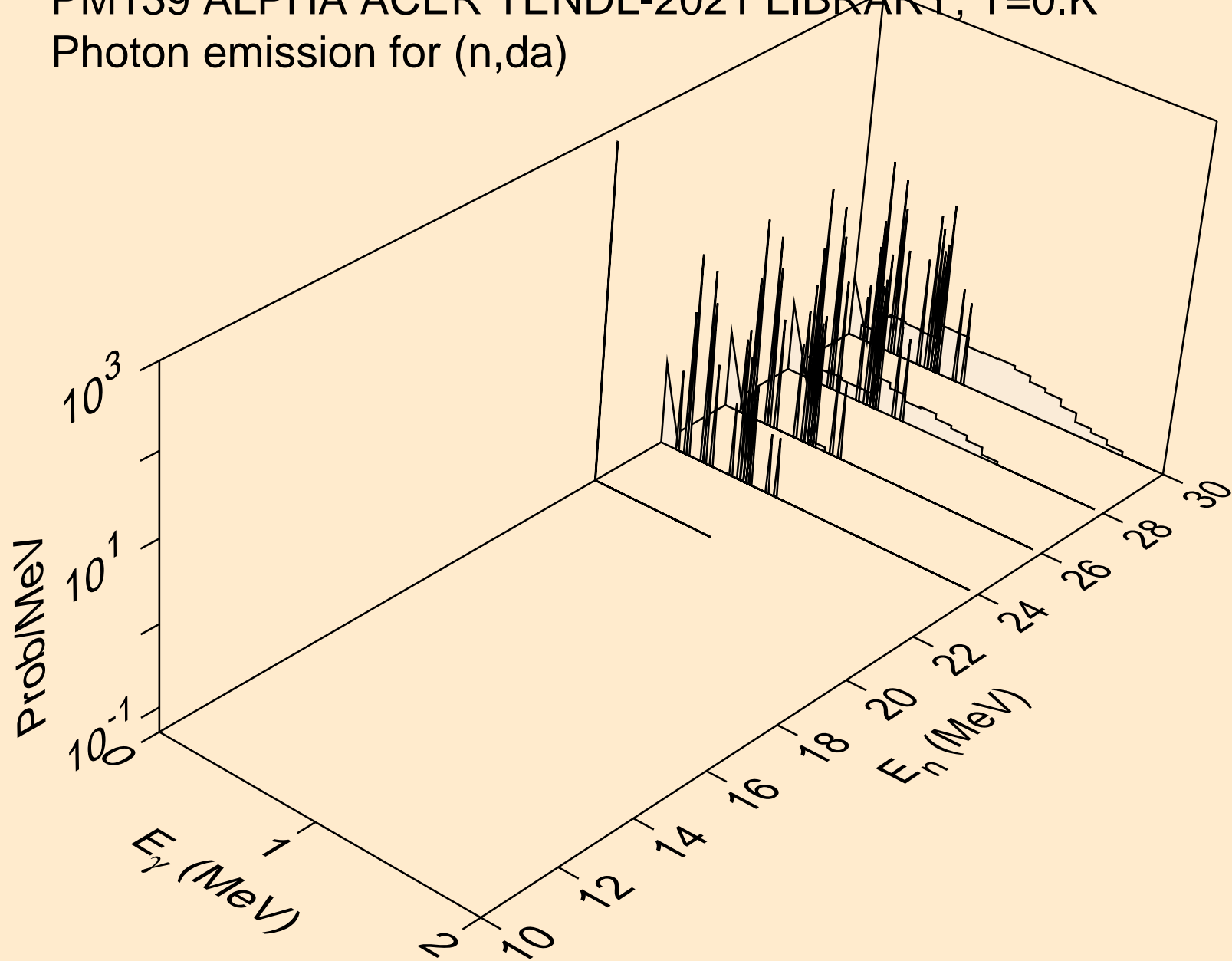
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pa)



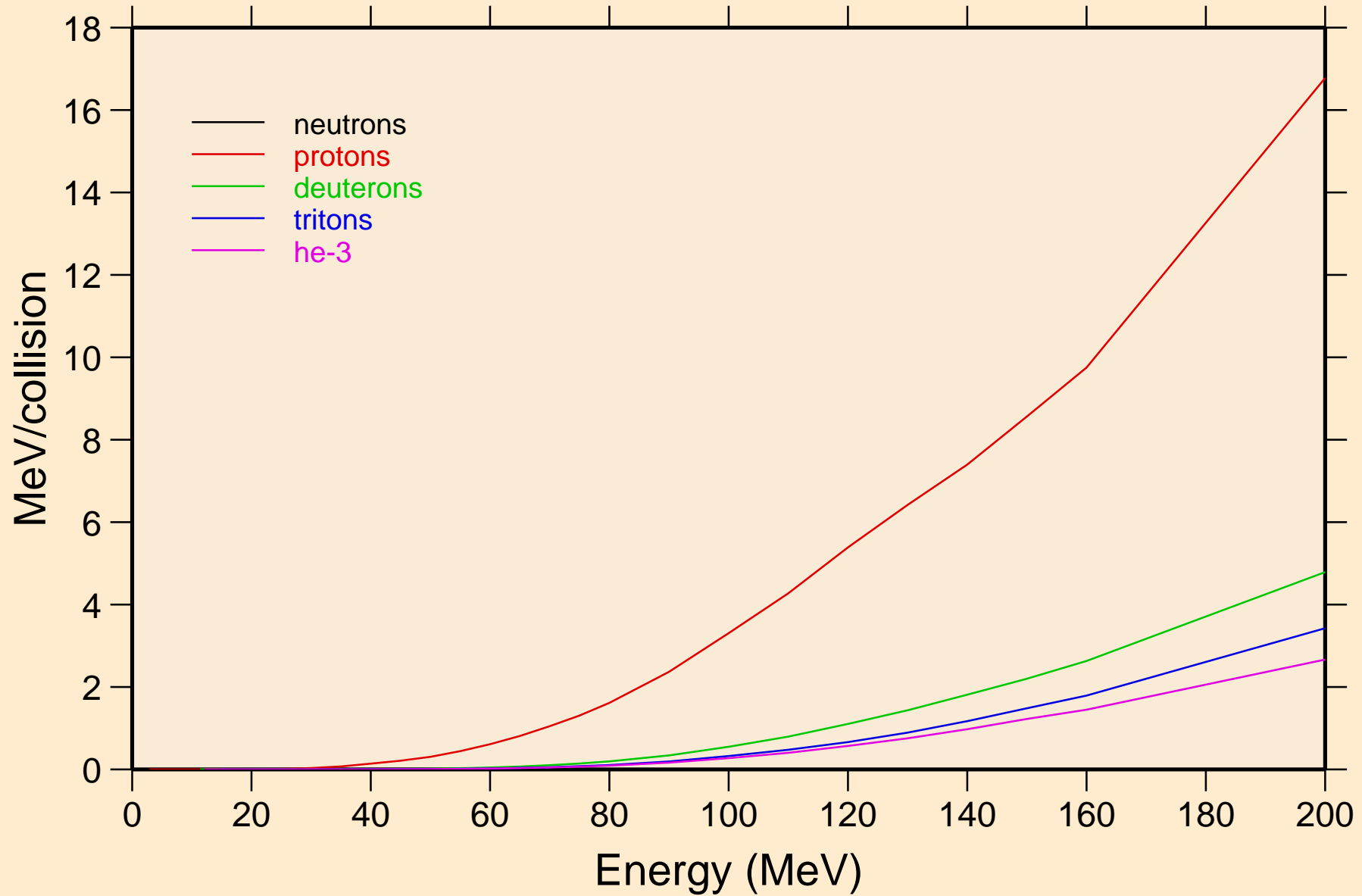
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pd)



PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,da)

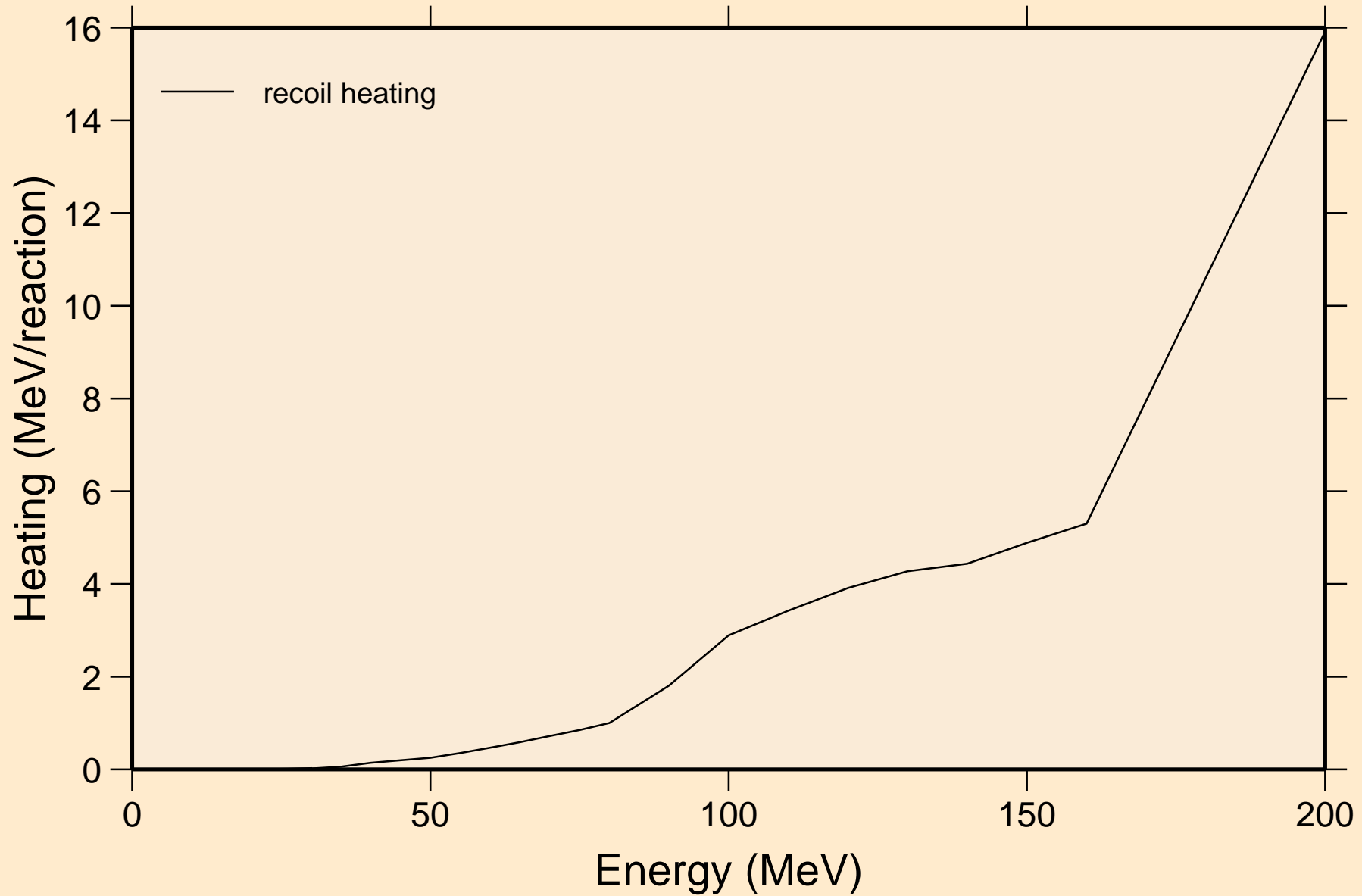


PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Particle heating contributions

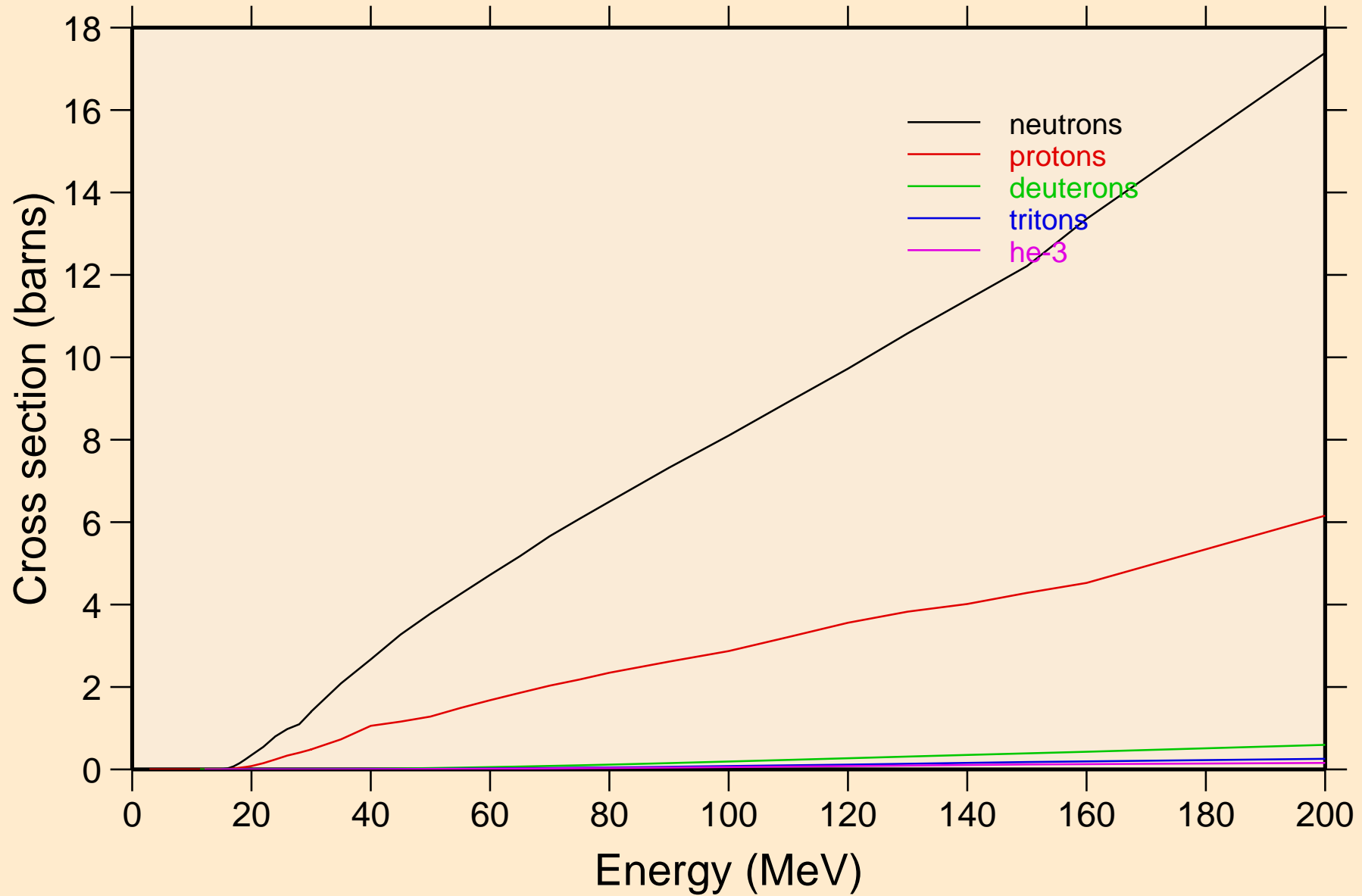


PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Recoil Heating

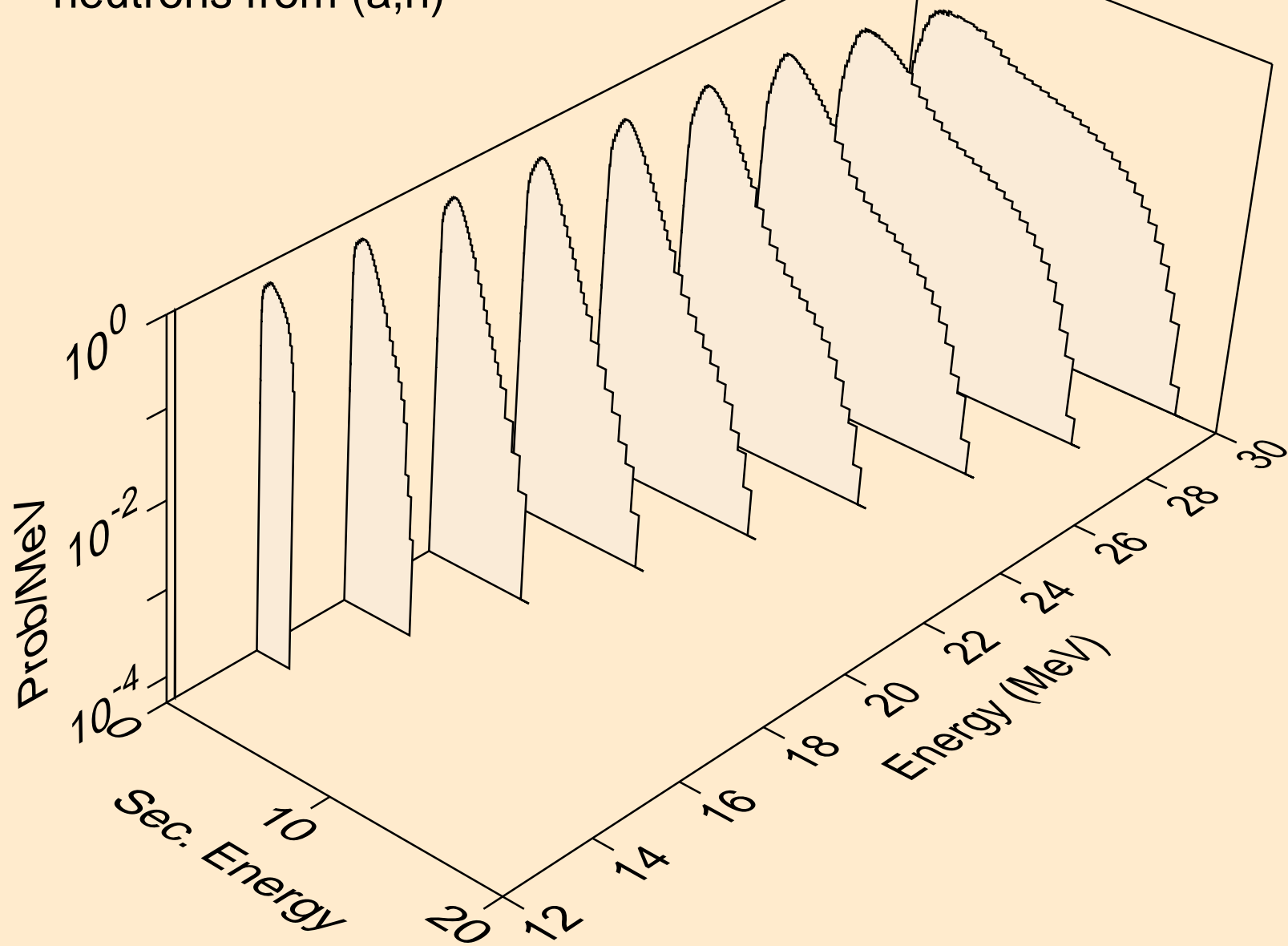


PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Particle production cross sections

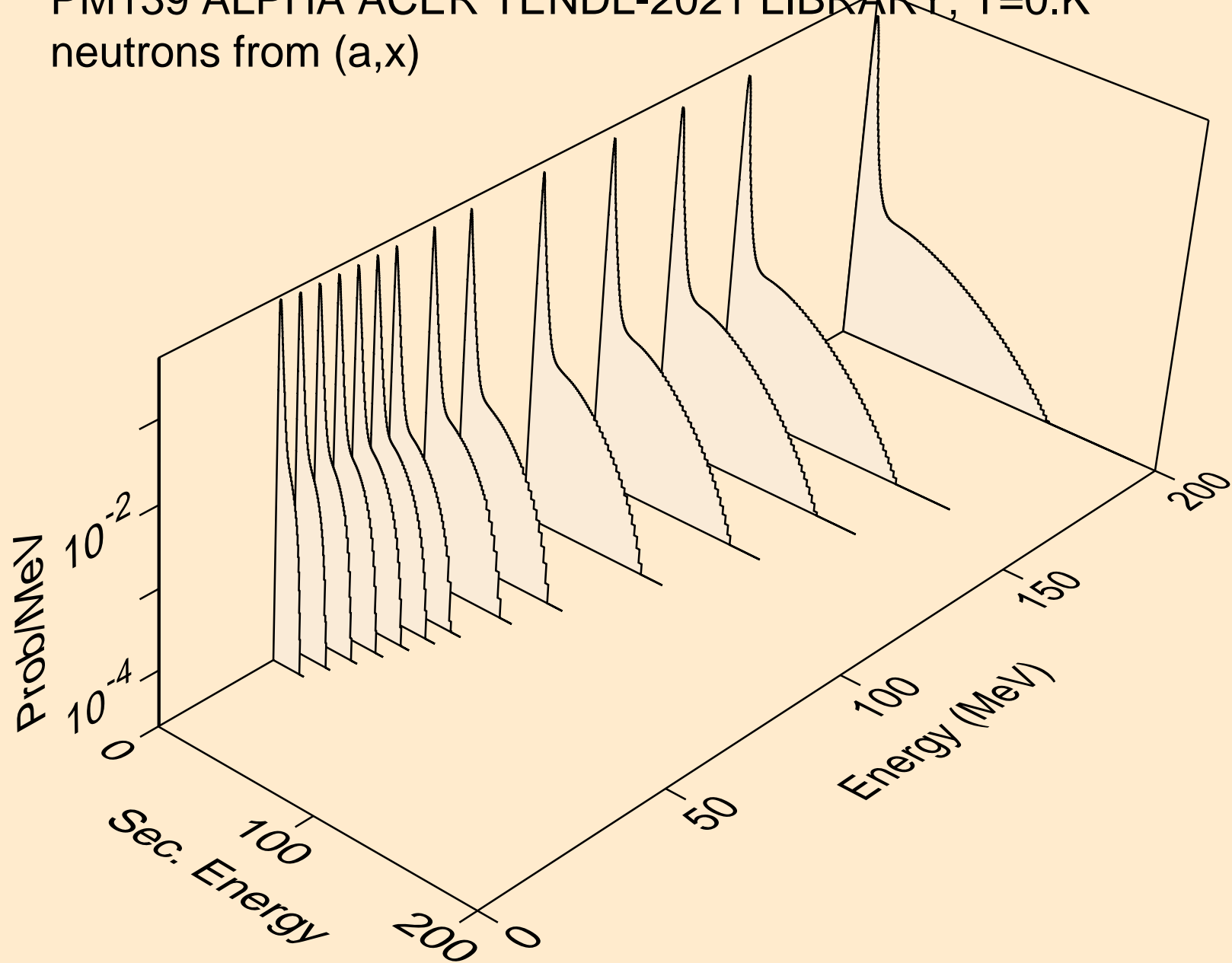




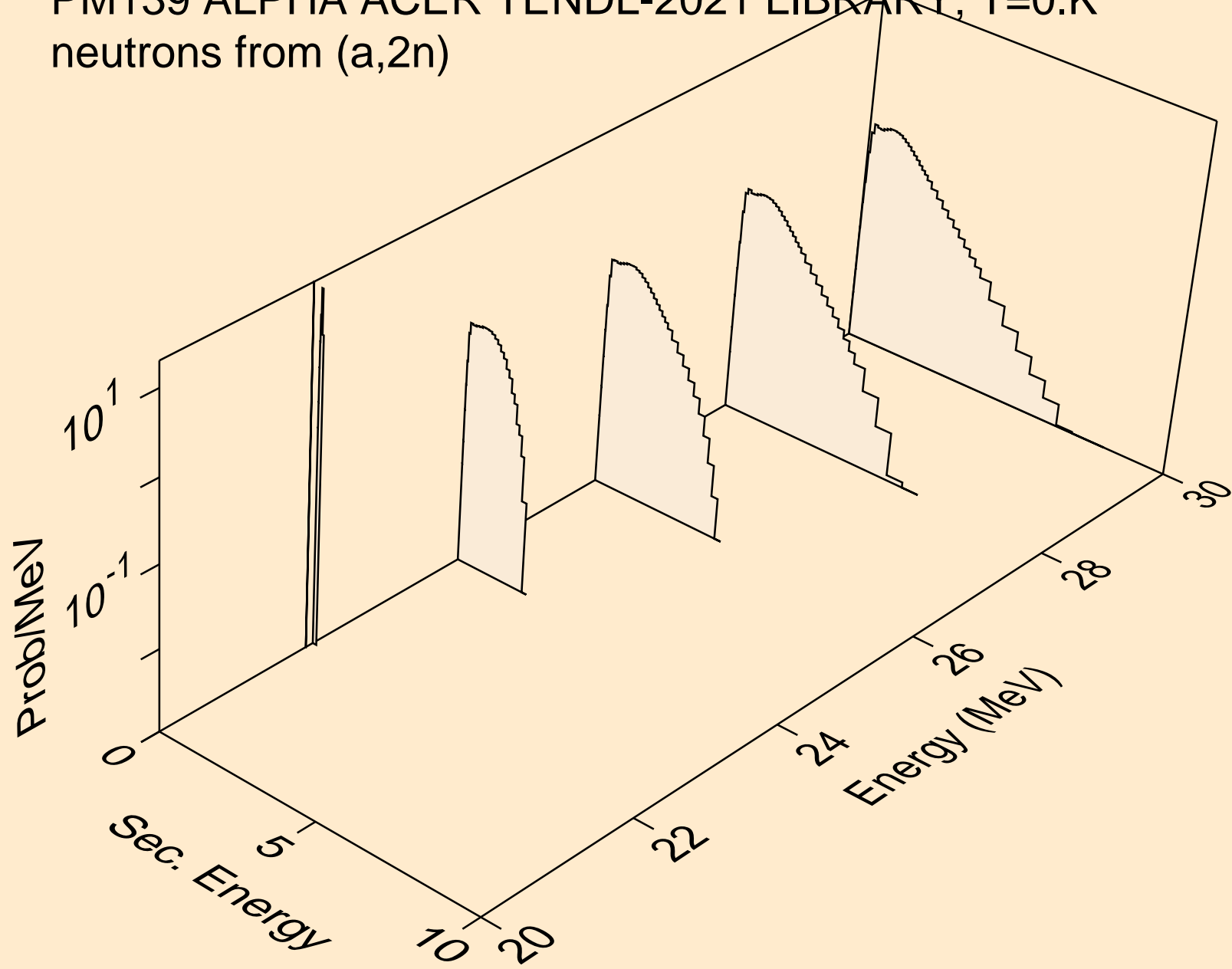
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n)



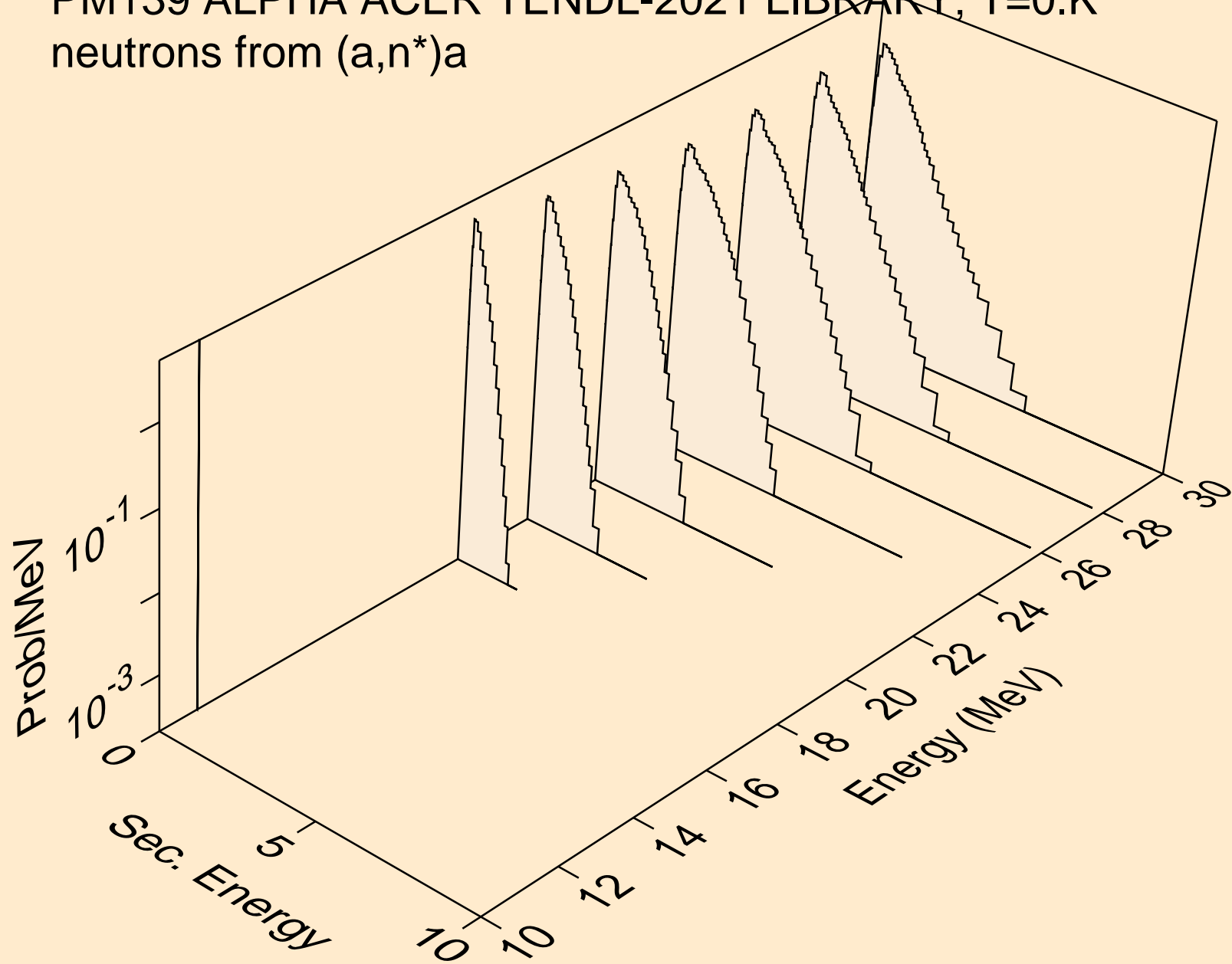
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,x)



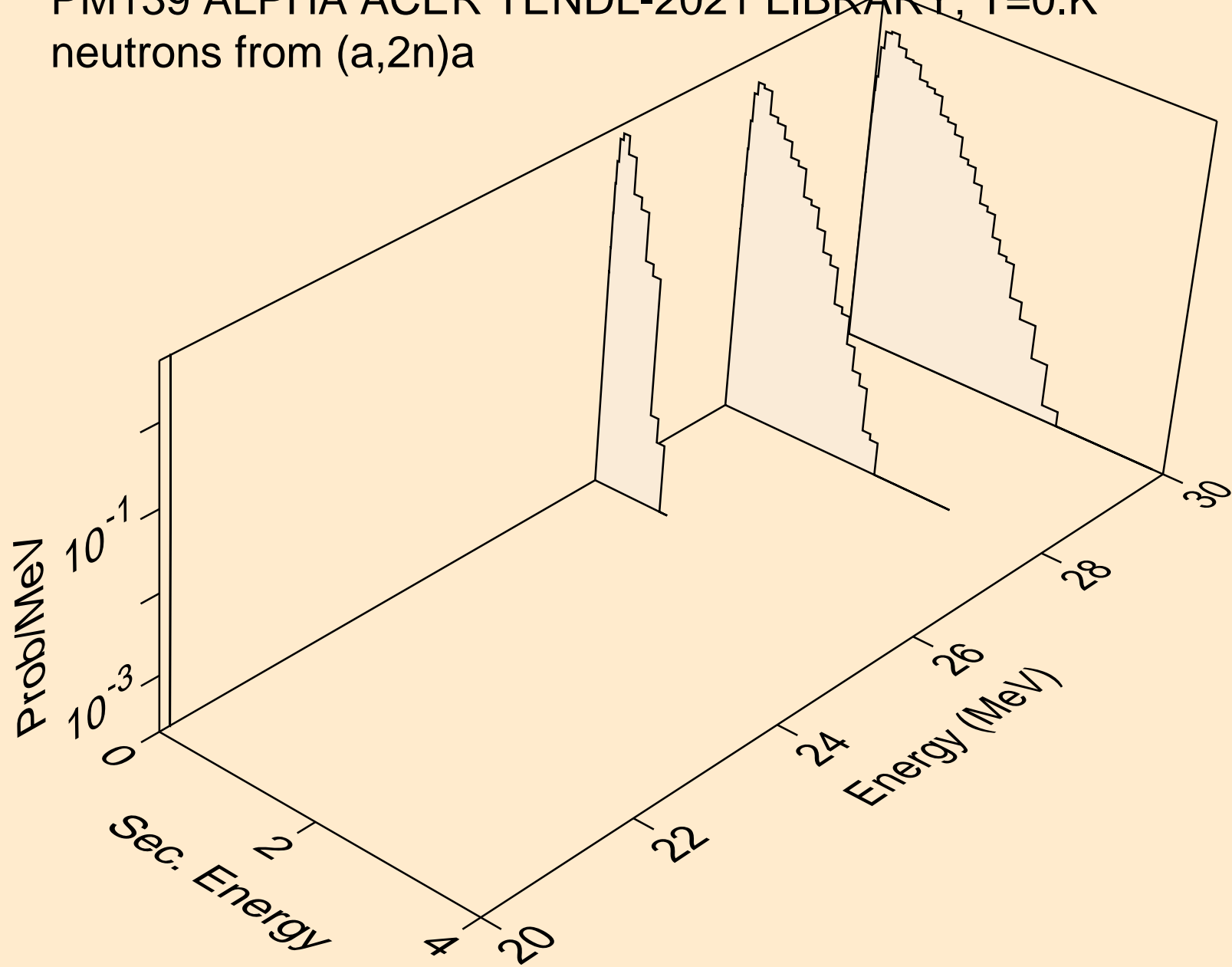
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,2n)



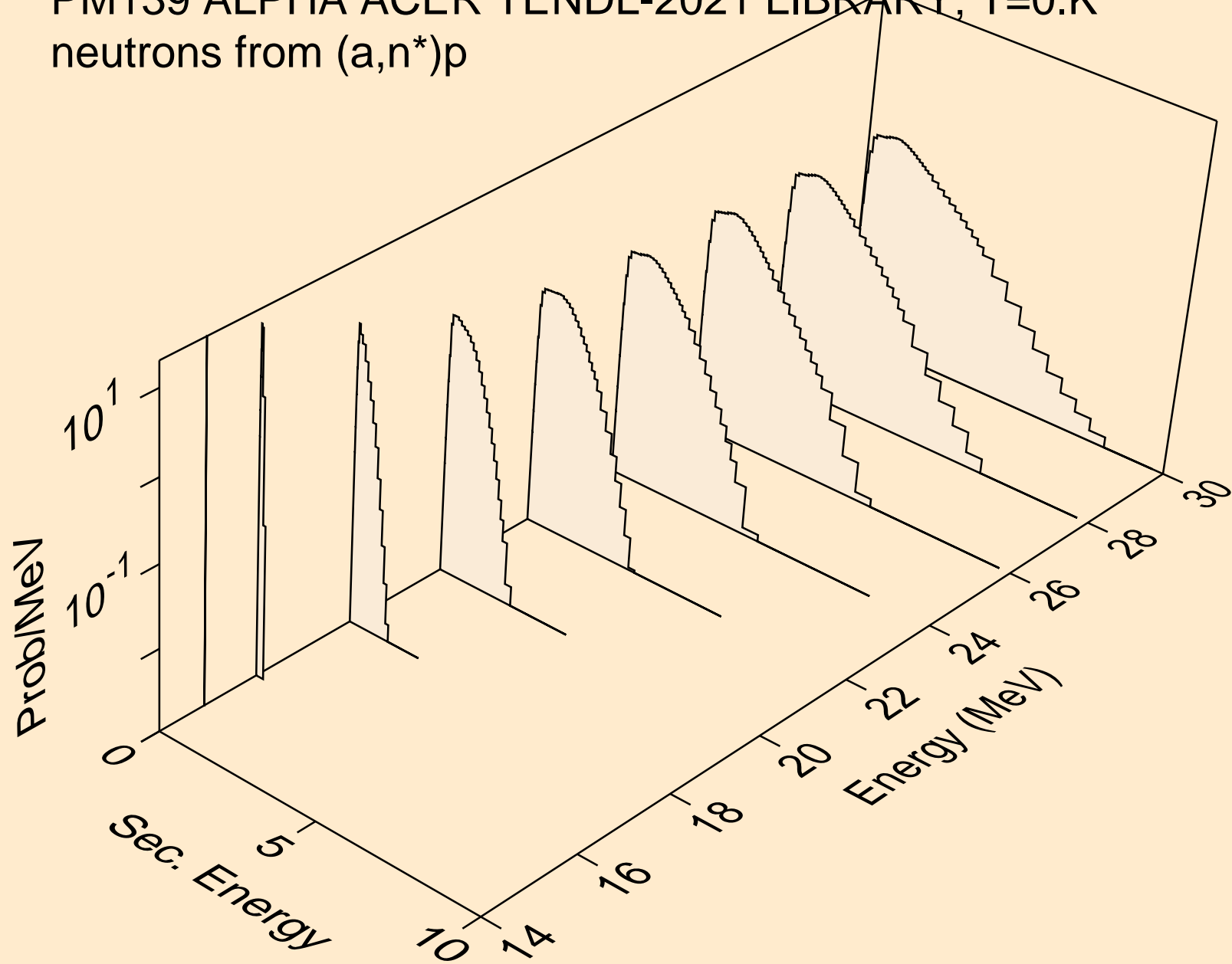
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)a



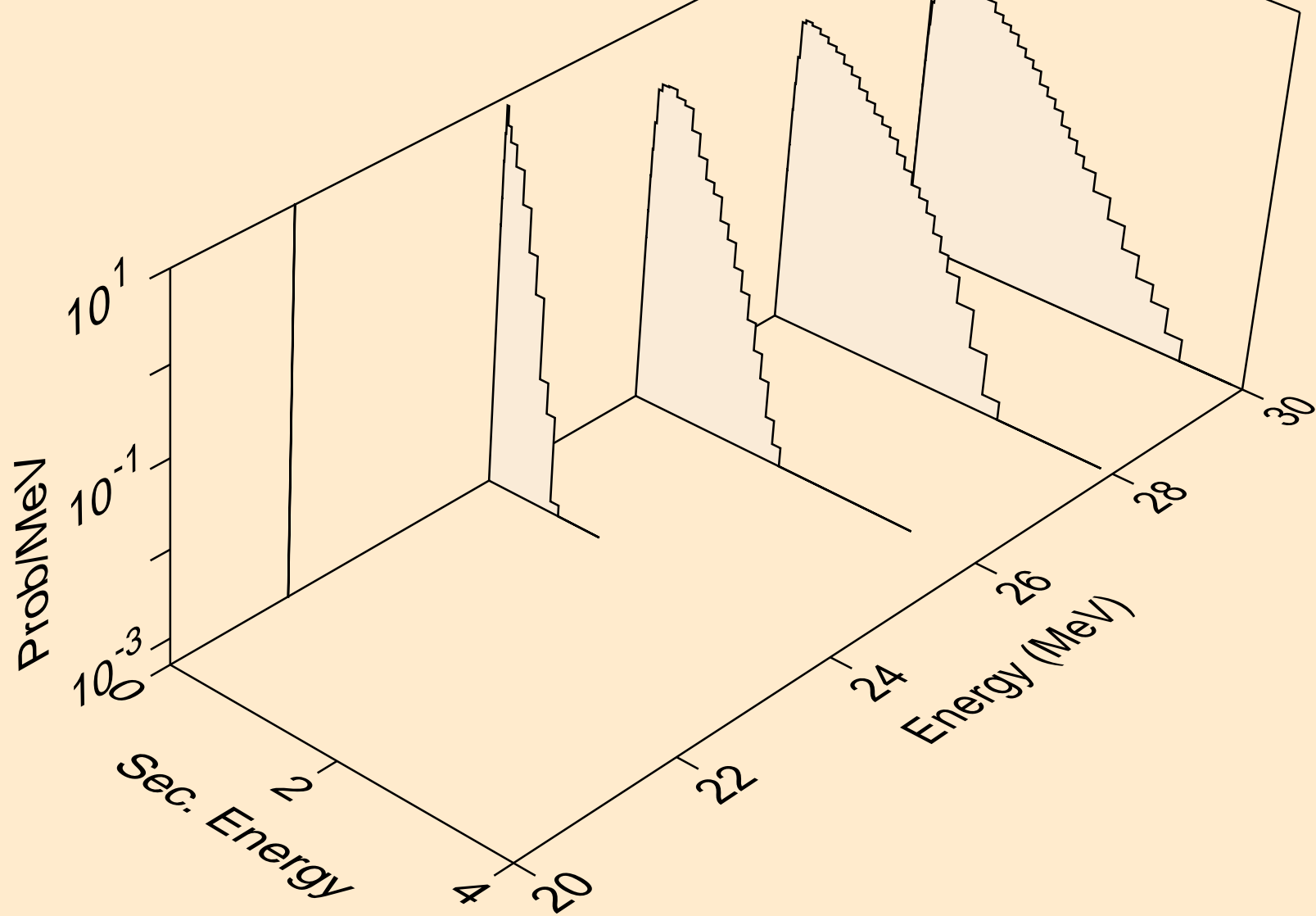
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,2n)a



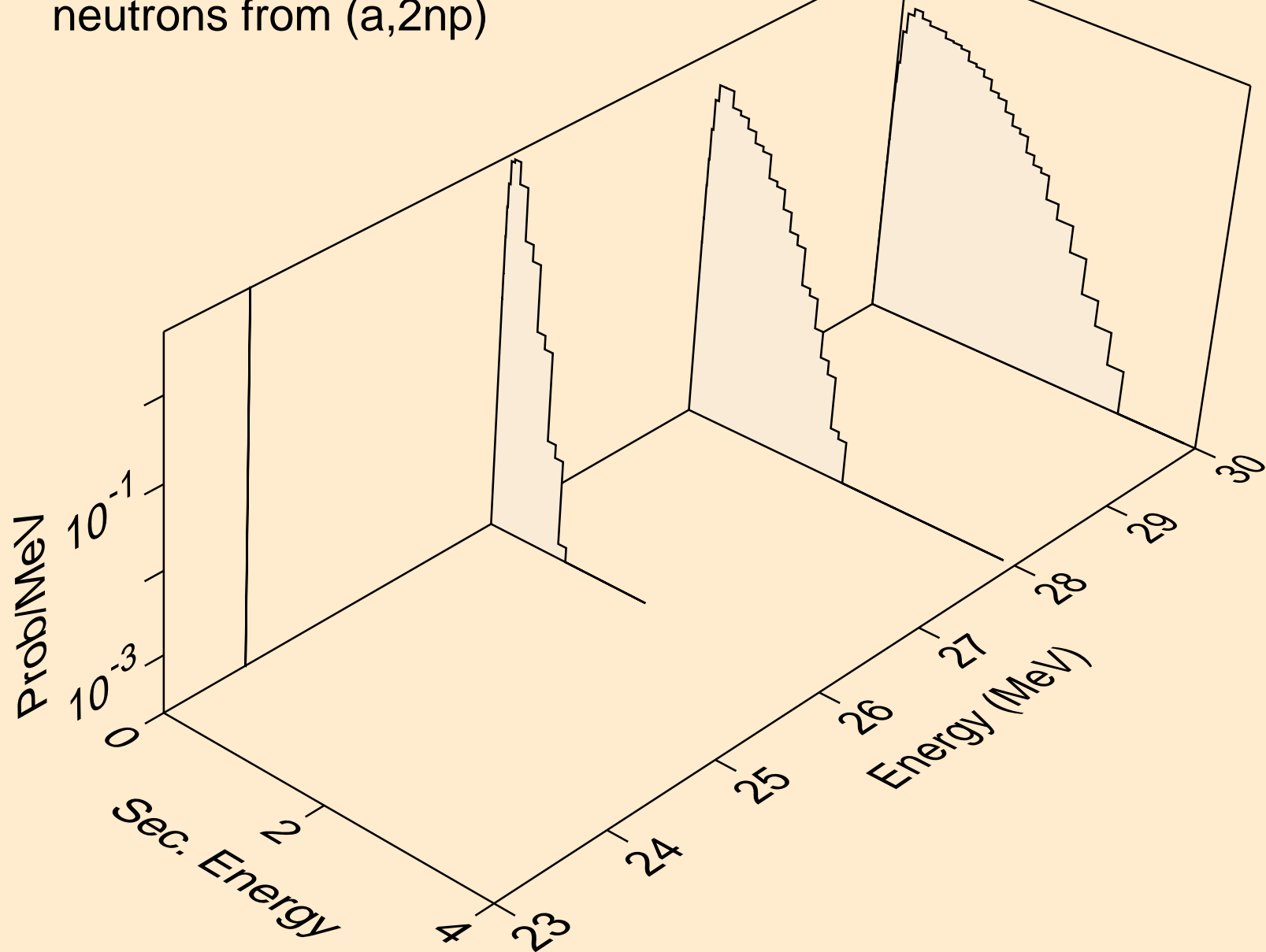
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)p



PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)d

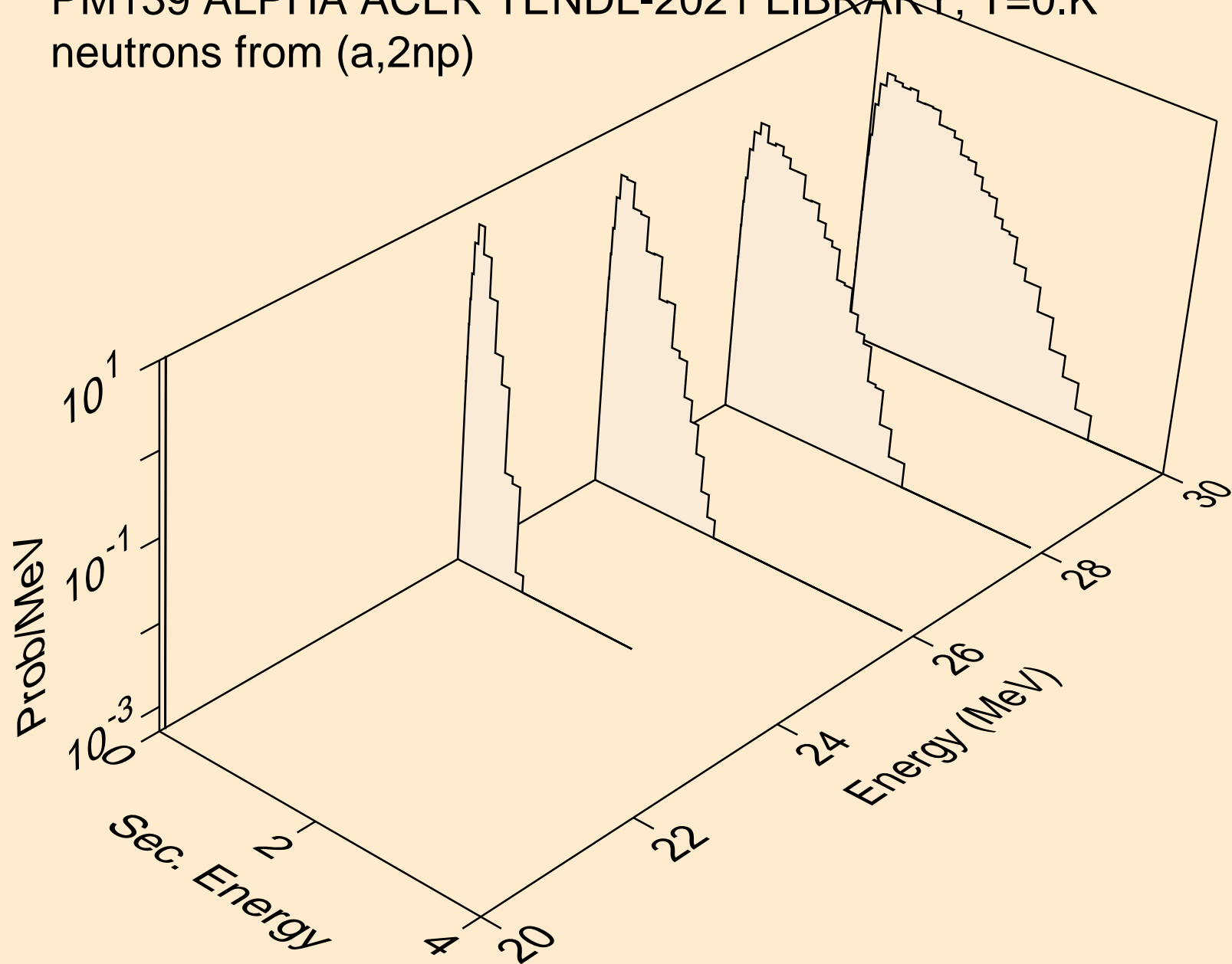


PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,2np)

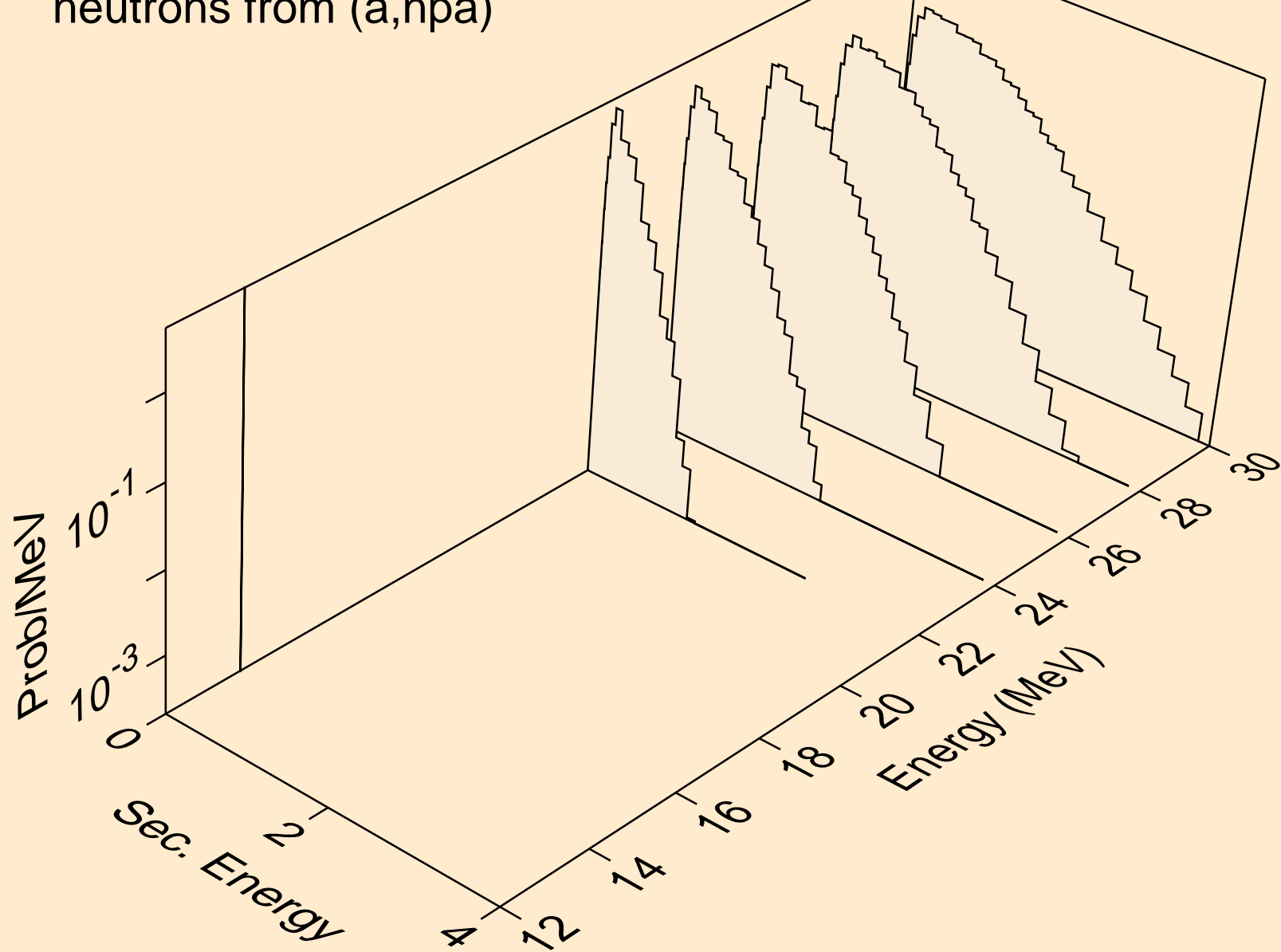




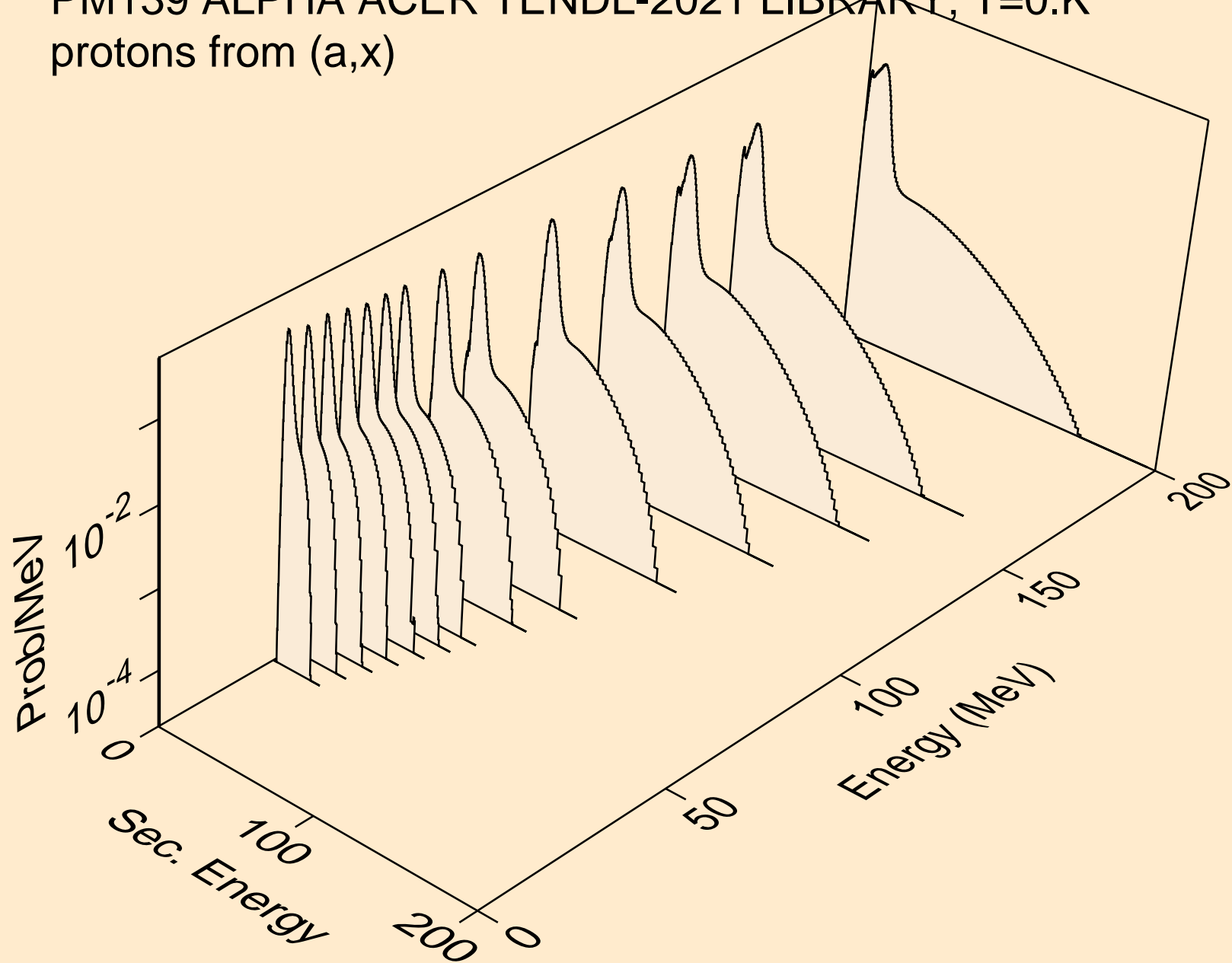
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,2np)



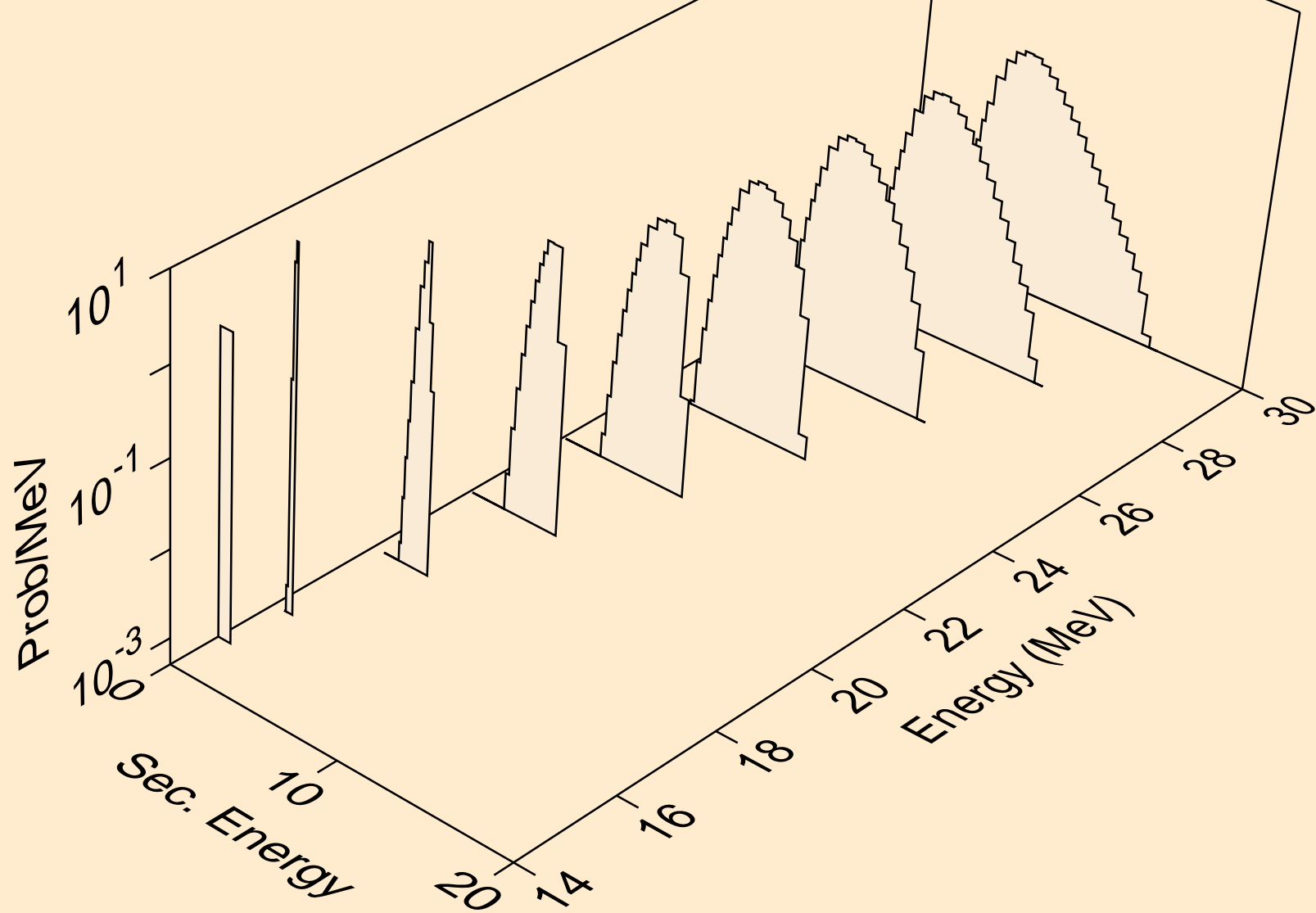
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,npa)



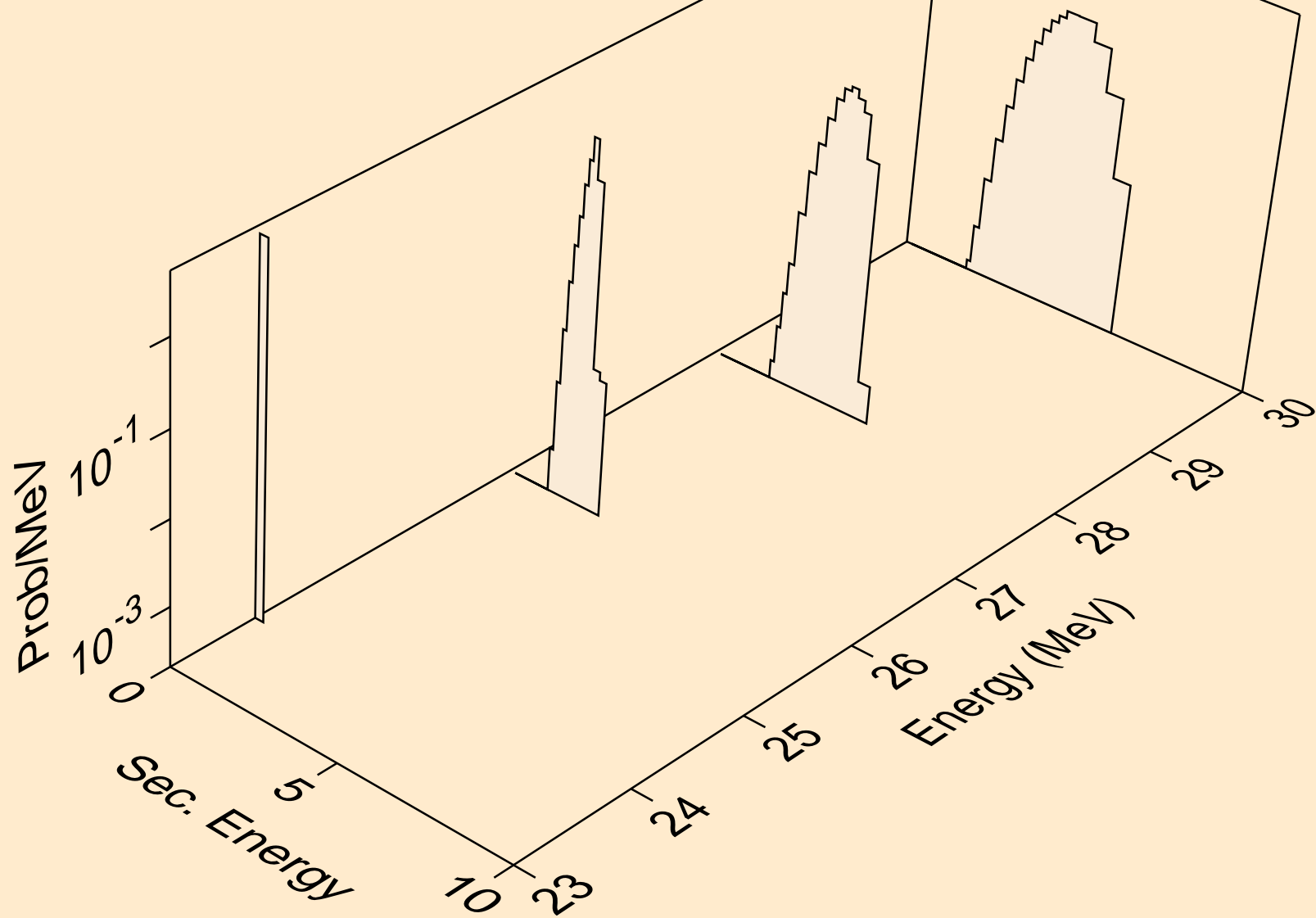
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,x)



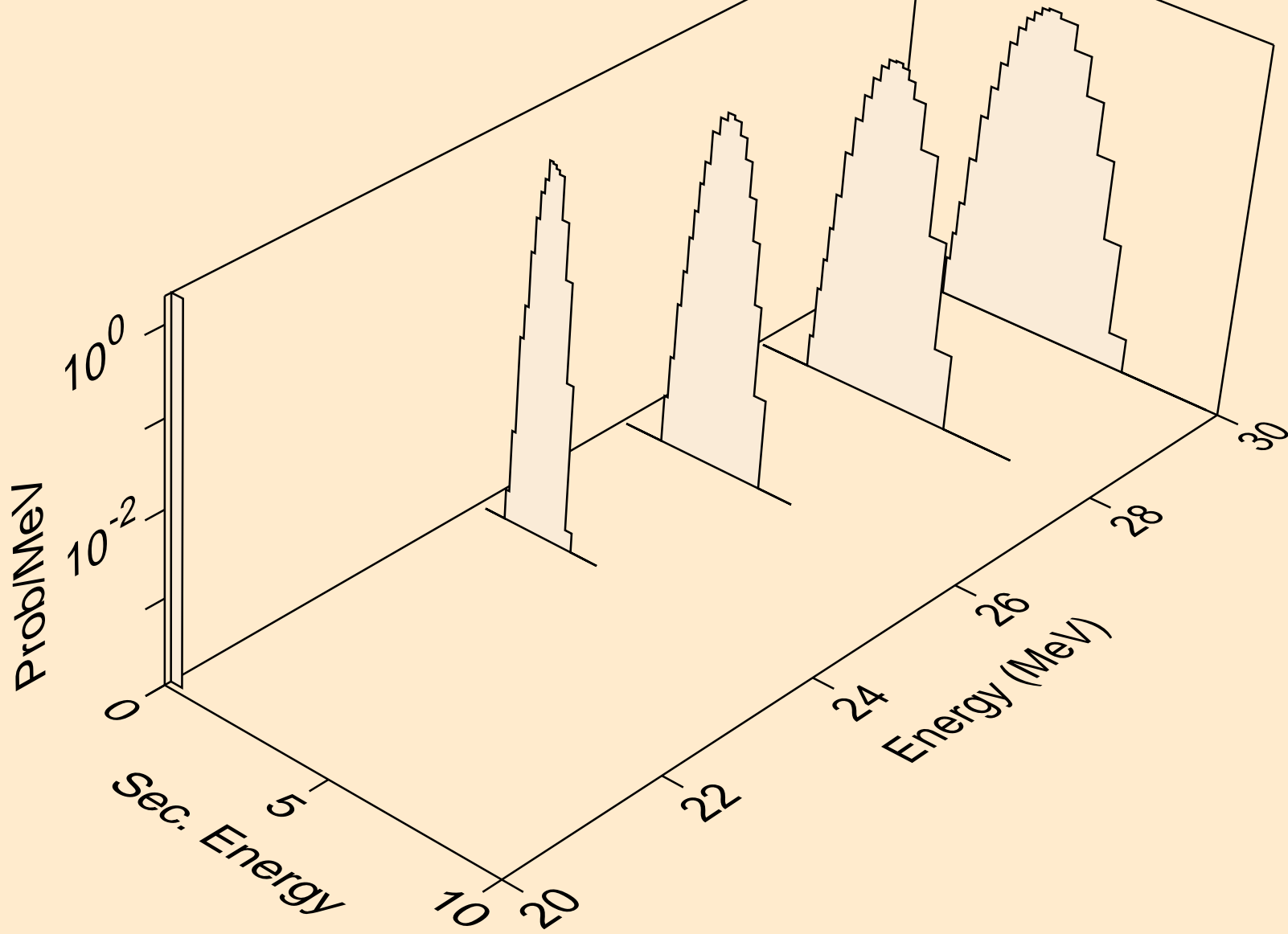
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,n\*)p



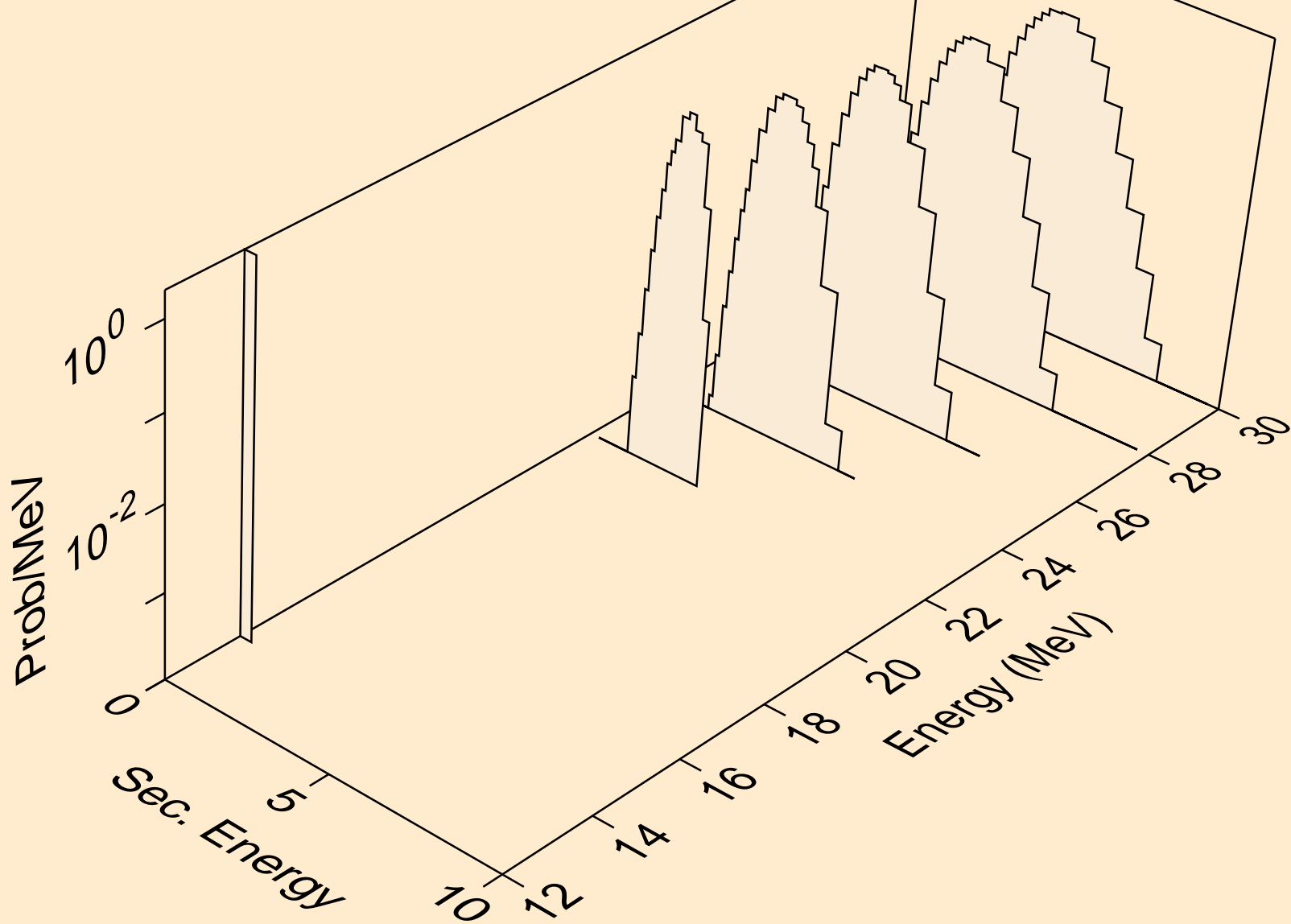
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protons from (a,2np)



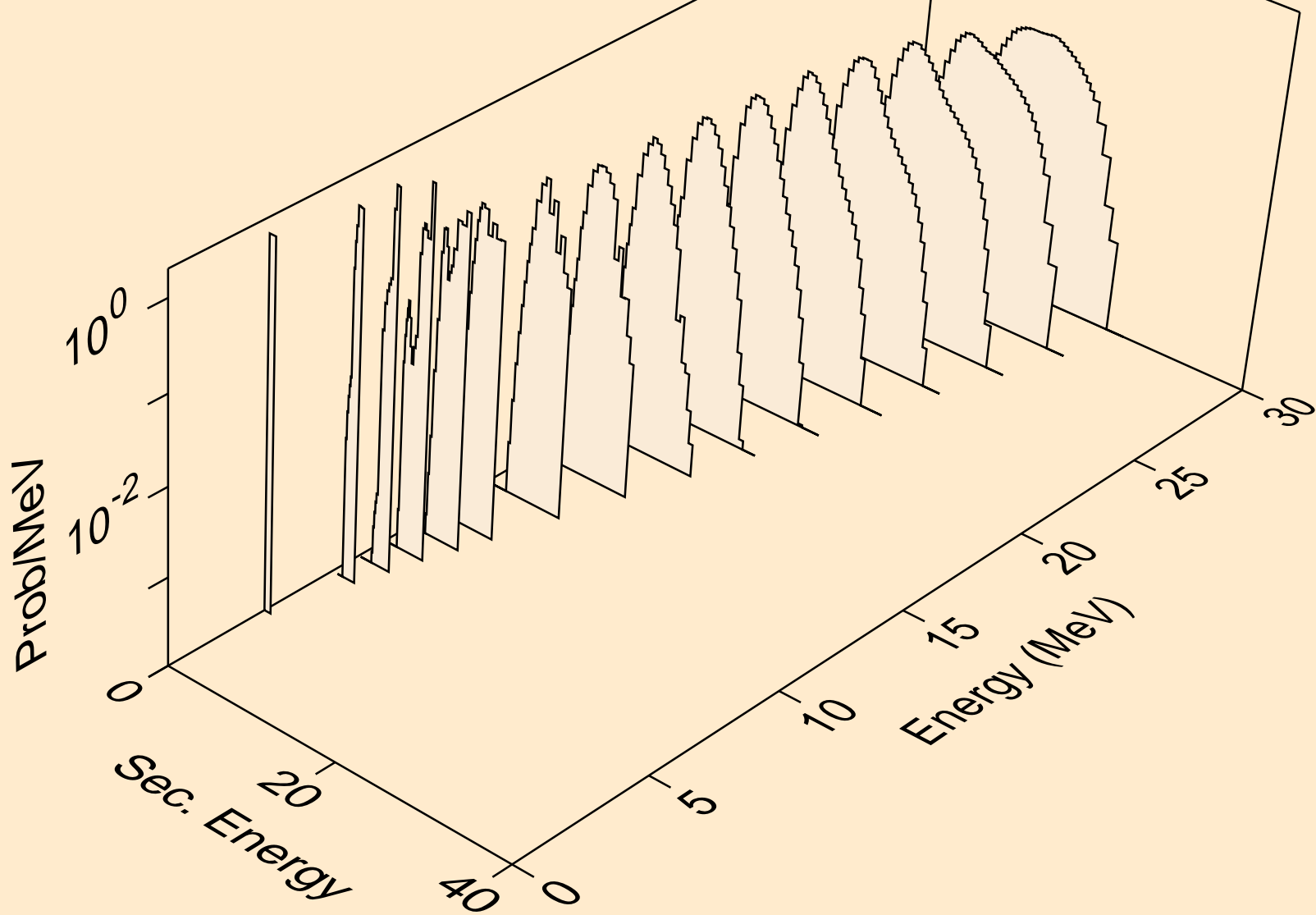
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,2np)



PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,npa)

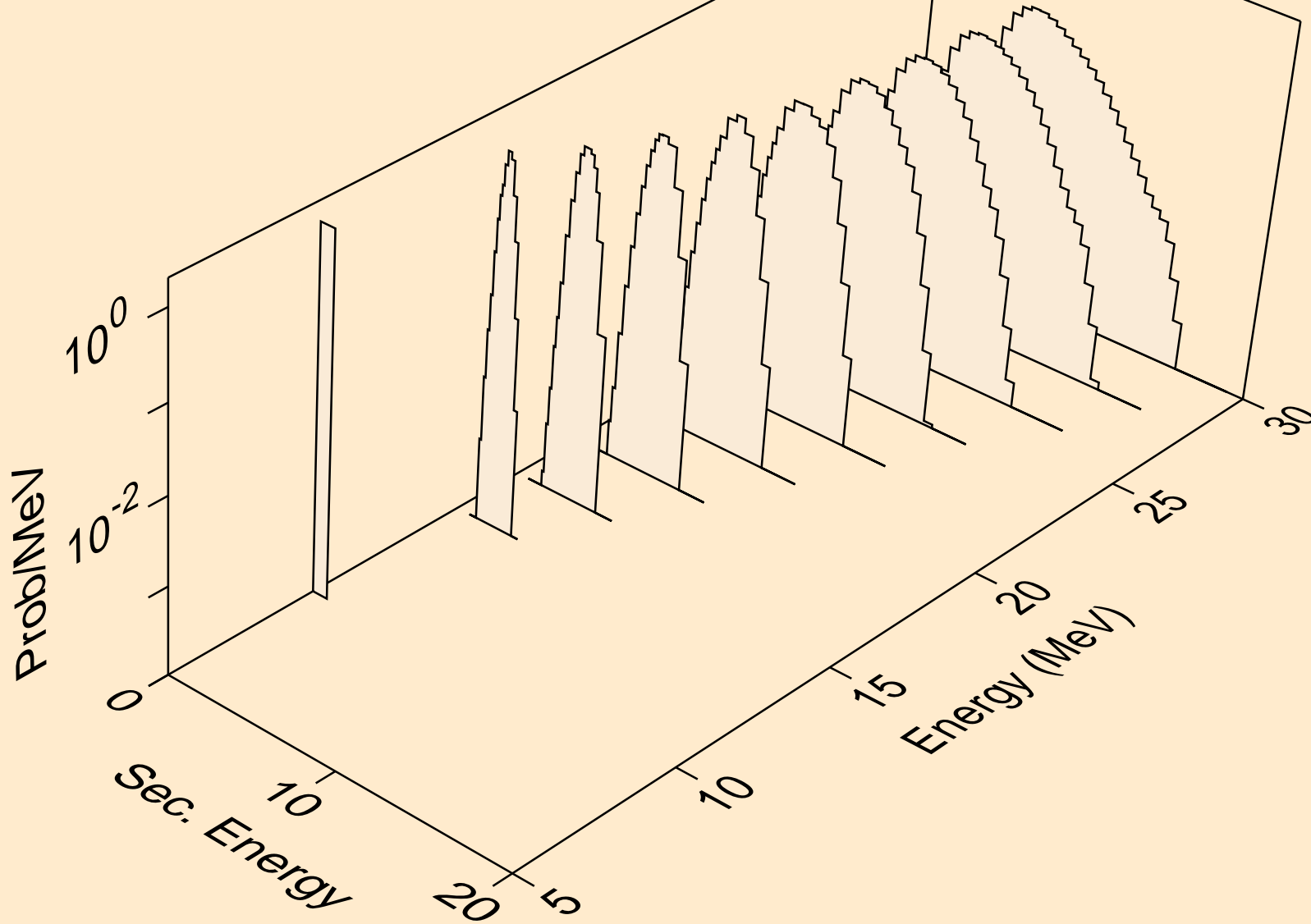


PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,p)

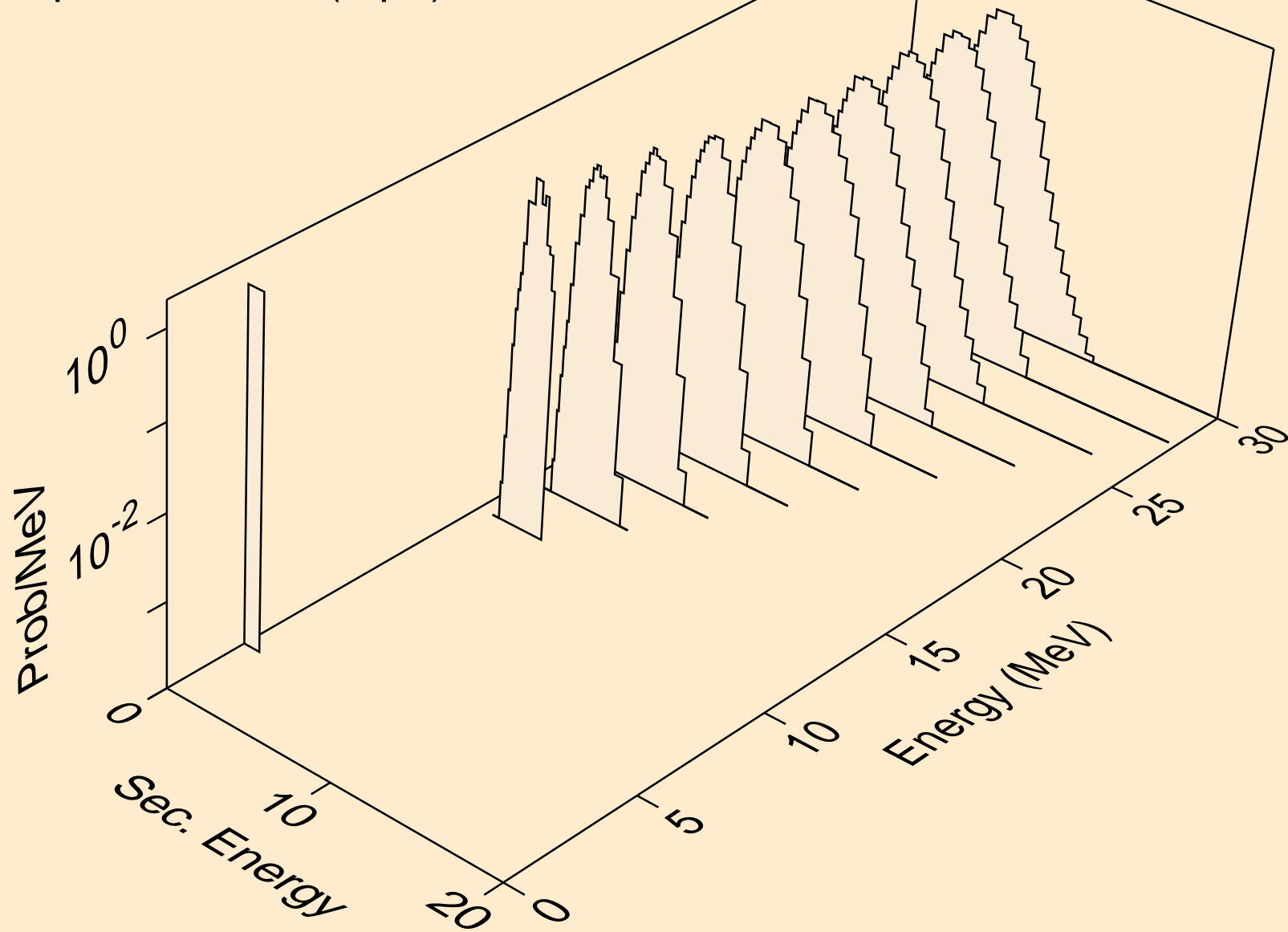




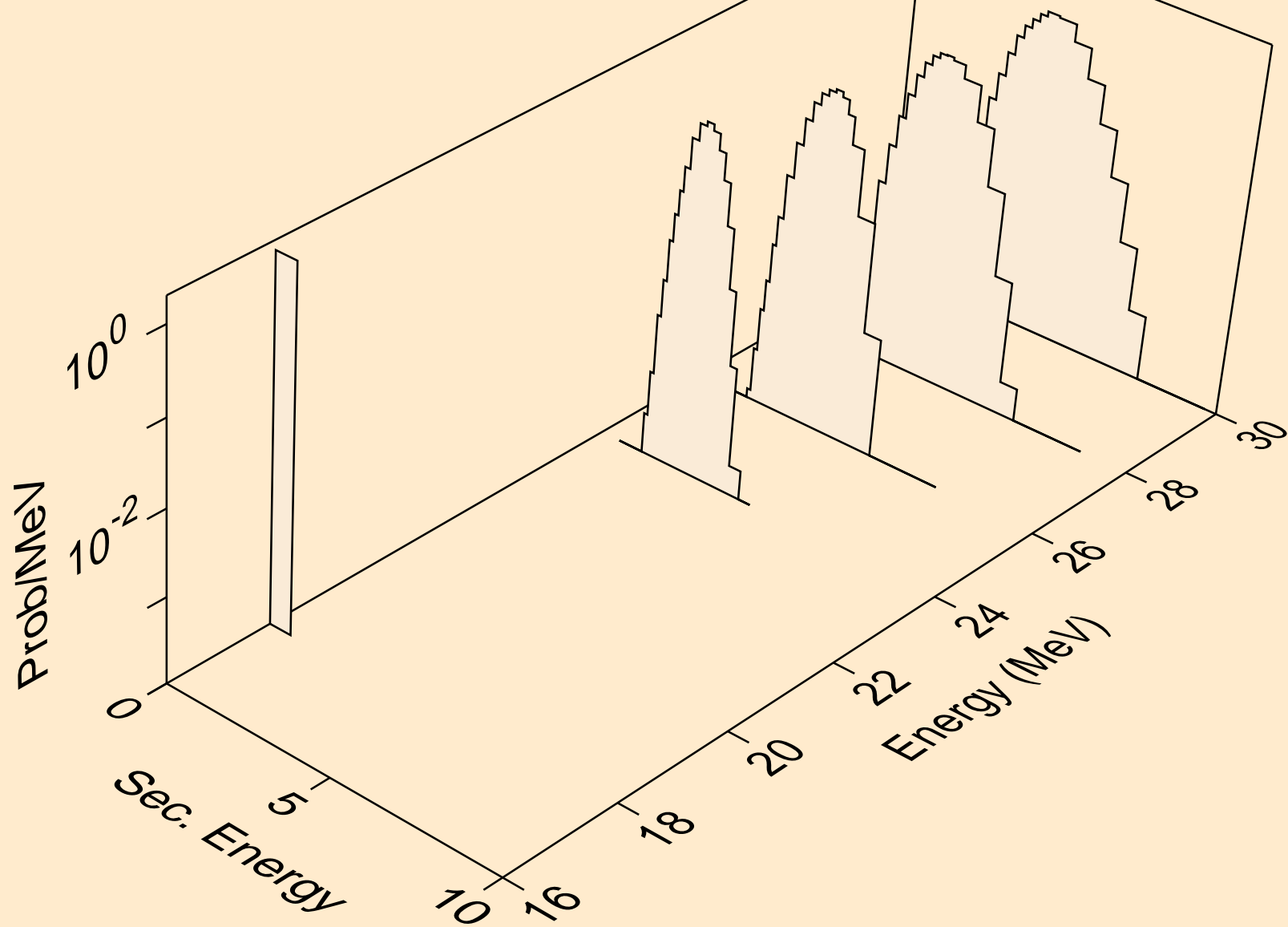
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,2p)



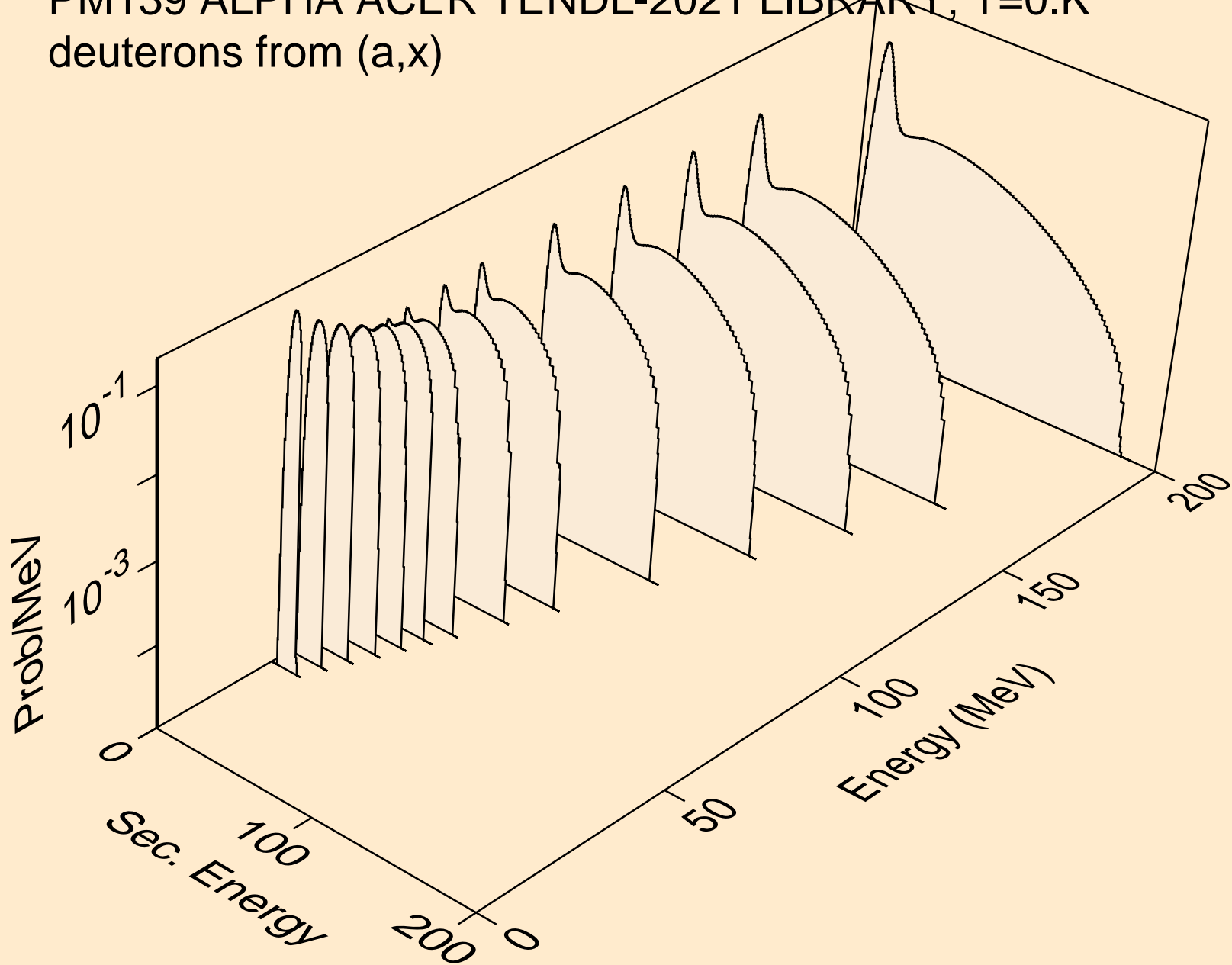
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,pa)



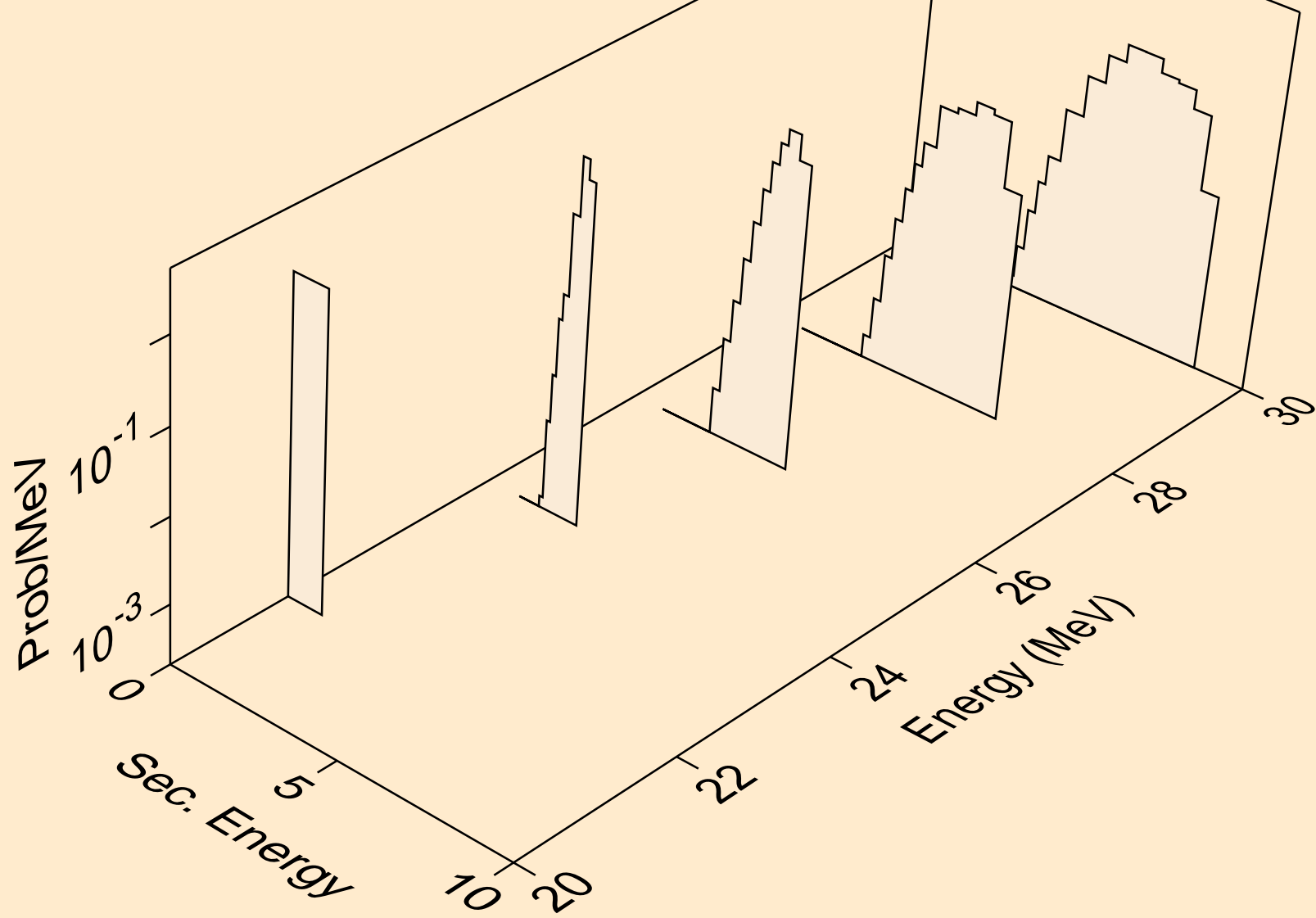
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,pd)



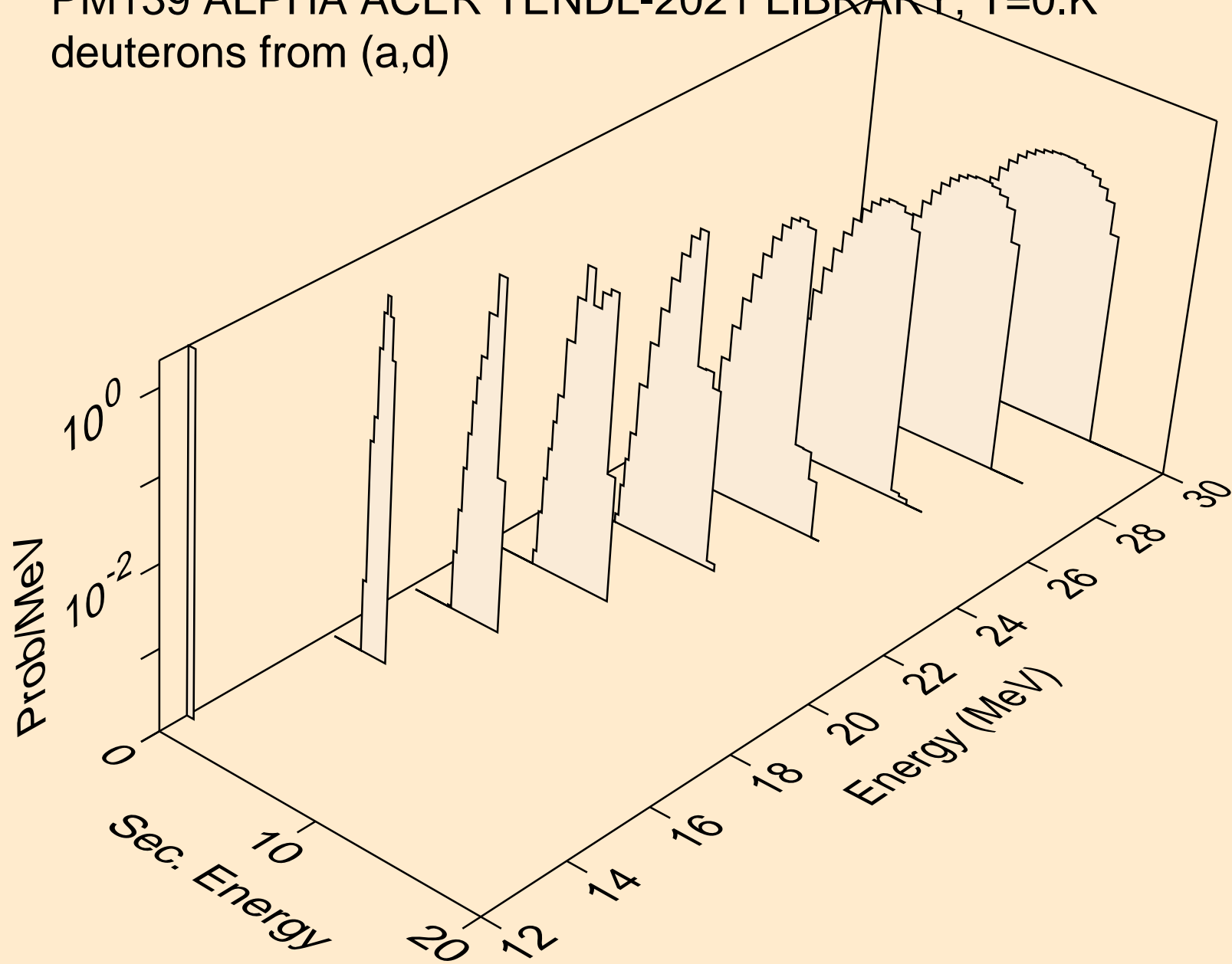
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,x)



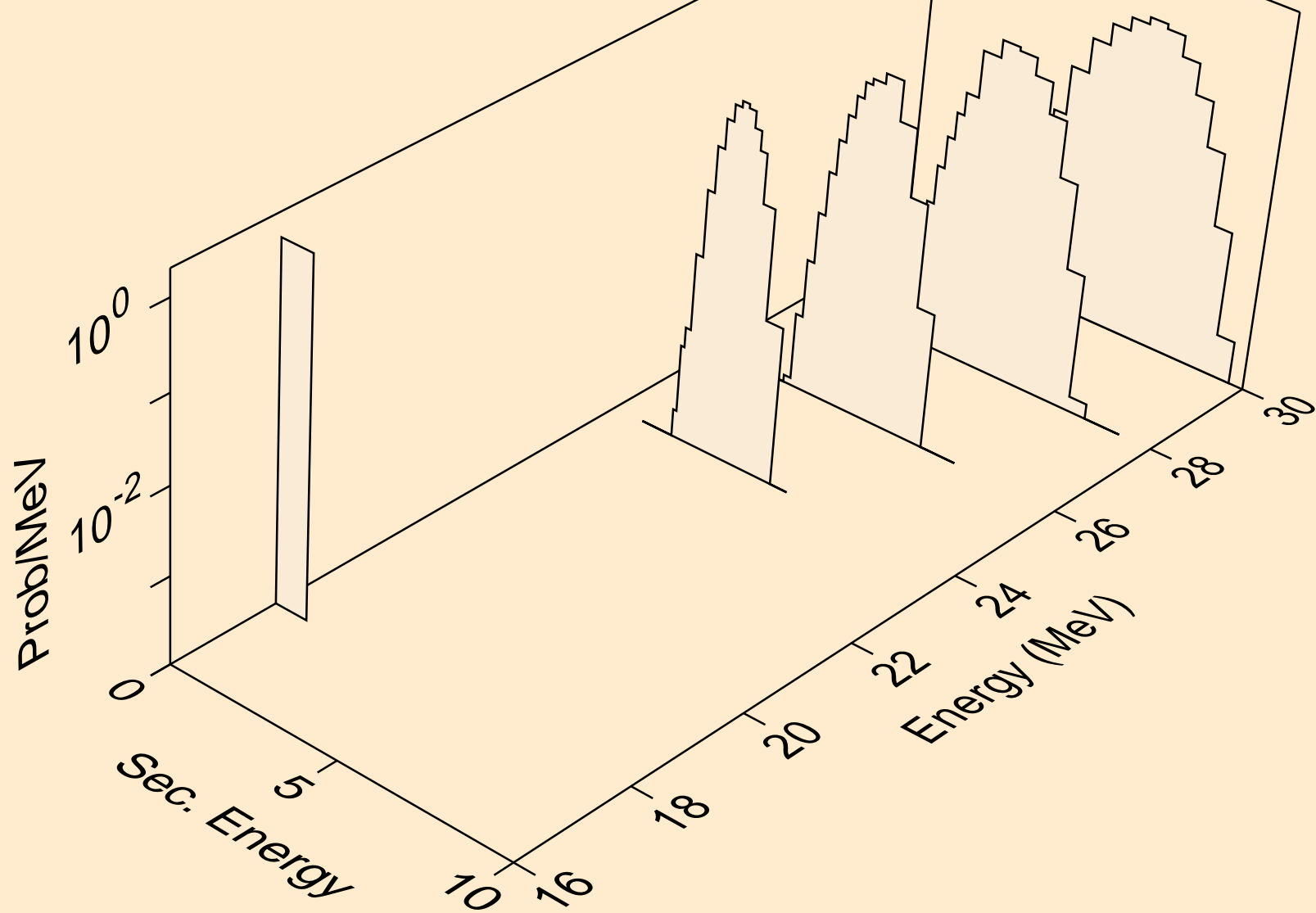
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,n\*)d



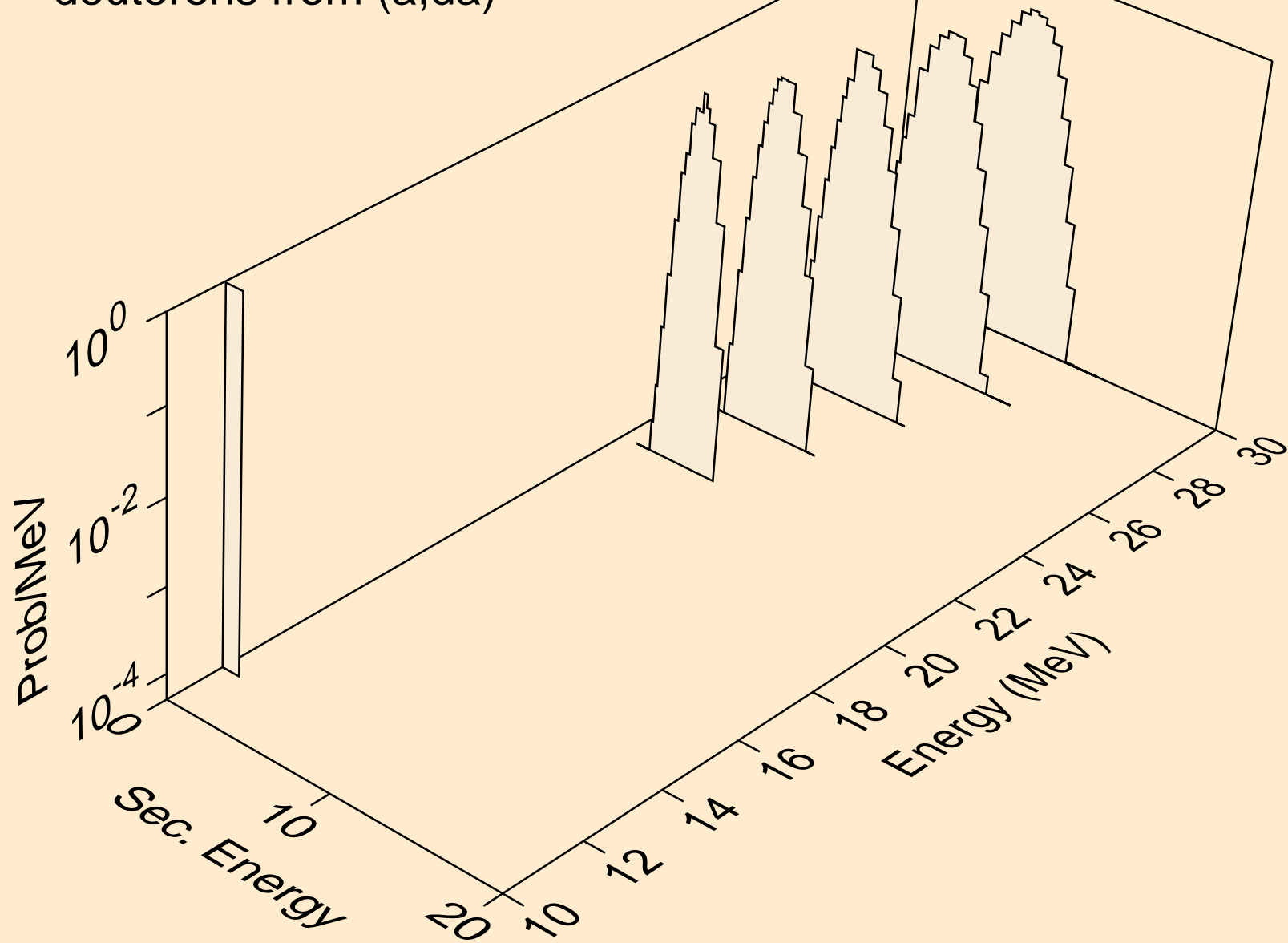
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,d)



PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,pd)

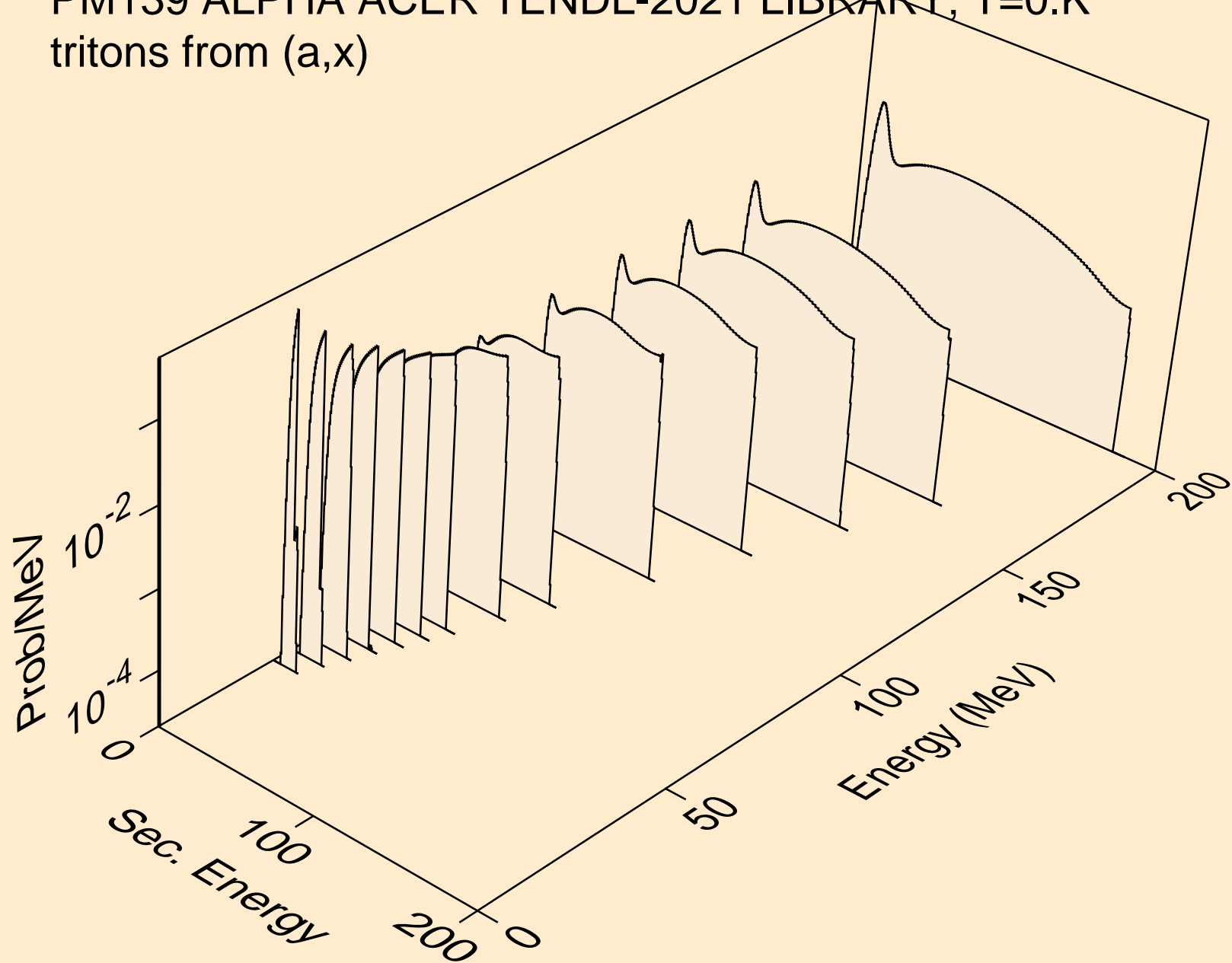


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deuterons from (a,da)

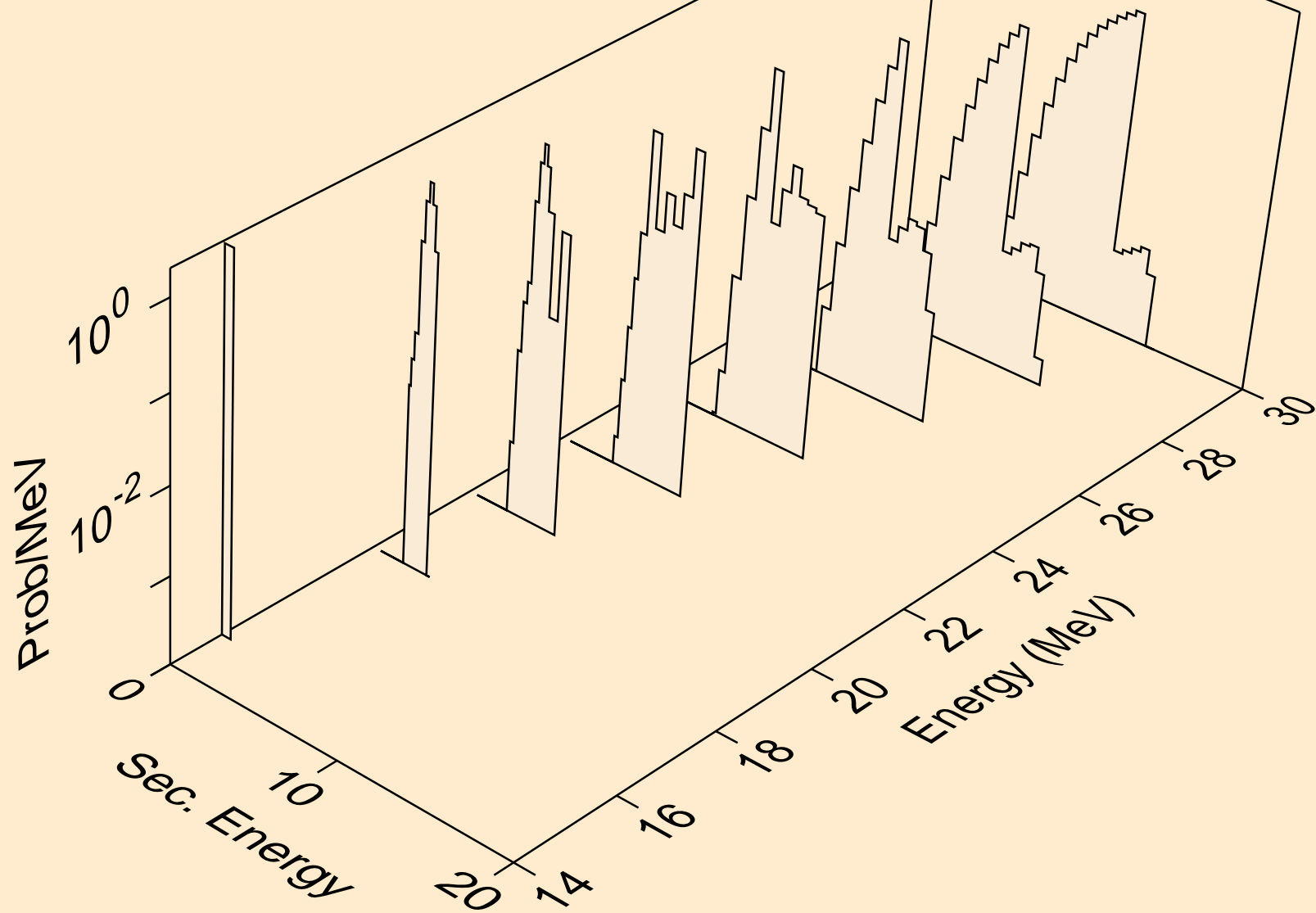




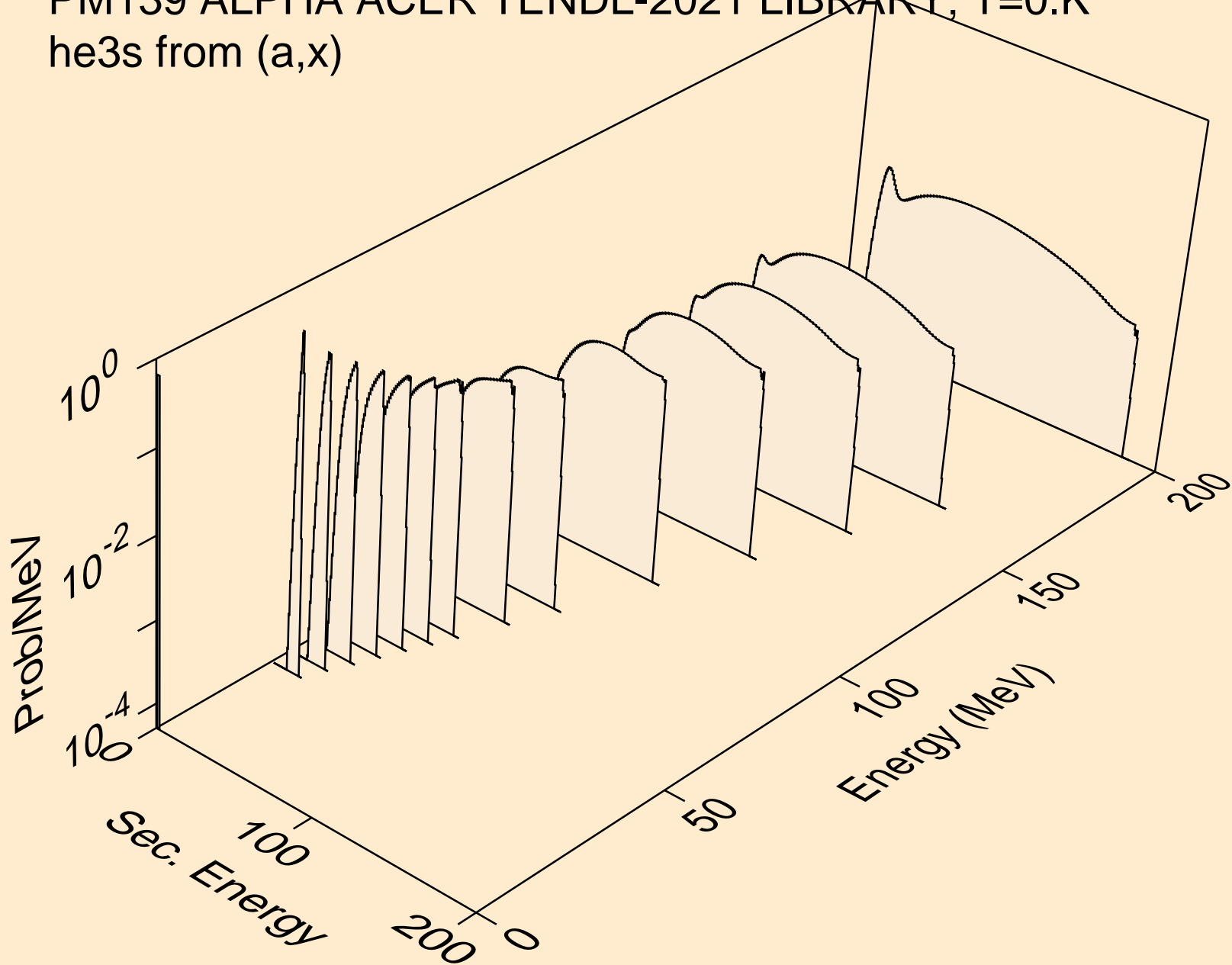
PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (a,x)



PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (a,t)



PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (a,x)



PM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (a,he3)

