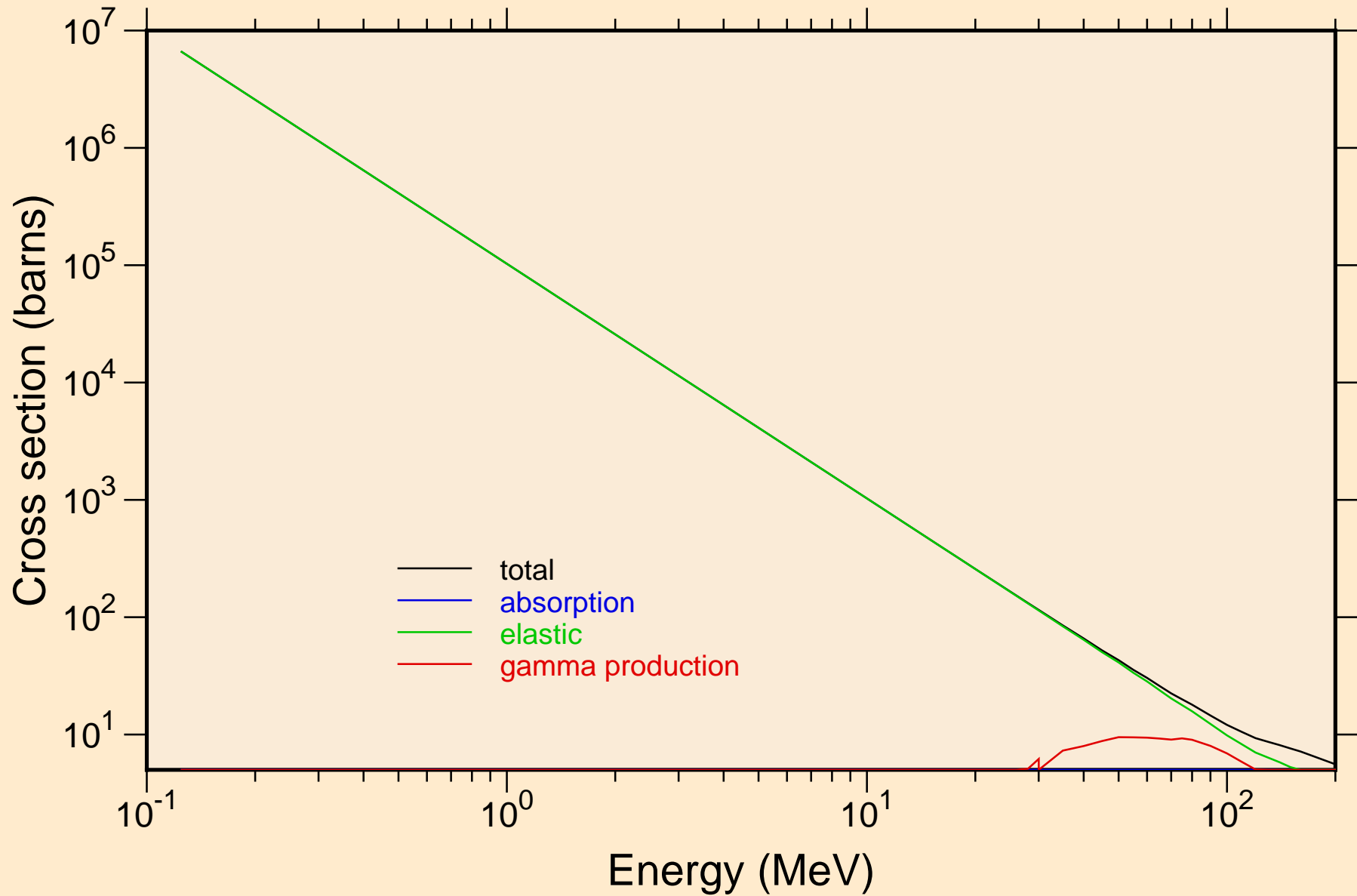
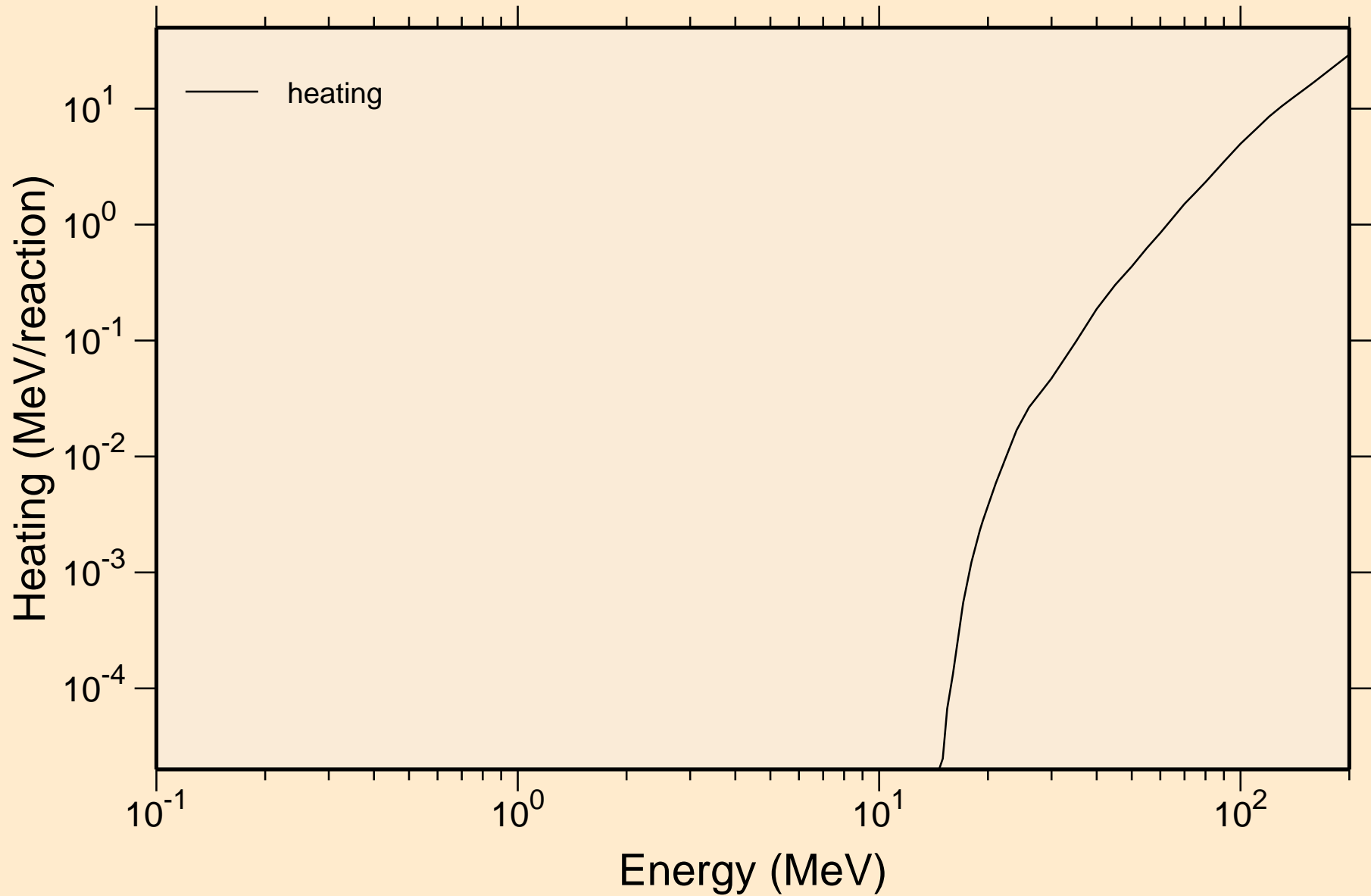


EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Principal cross sections

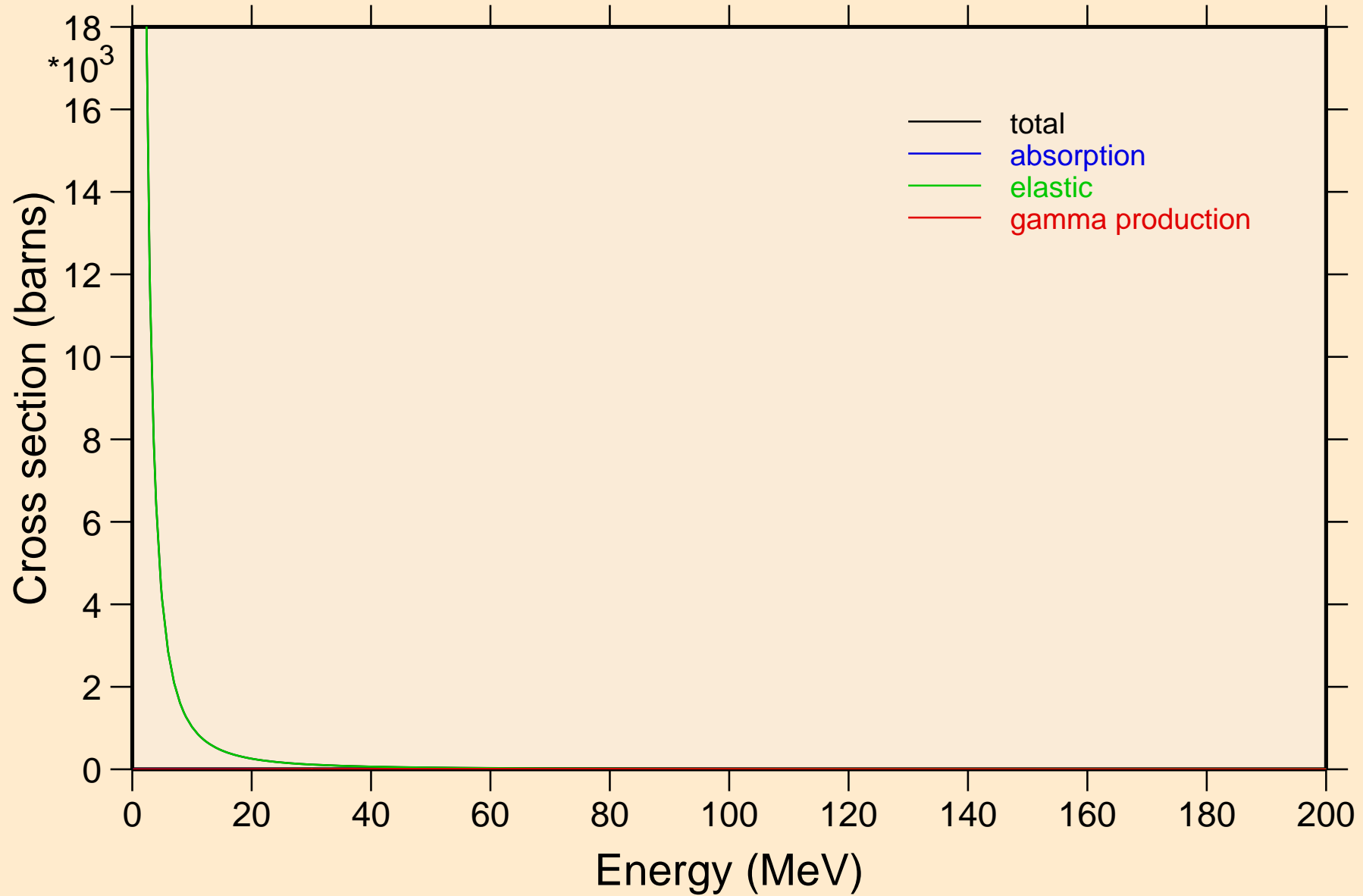


EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Heating



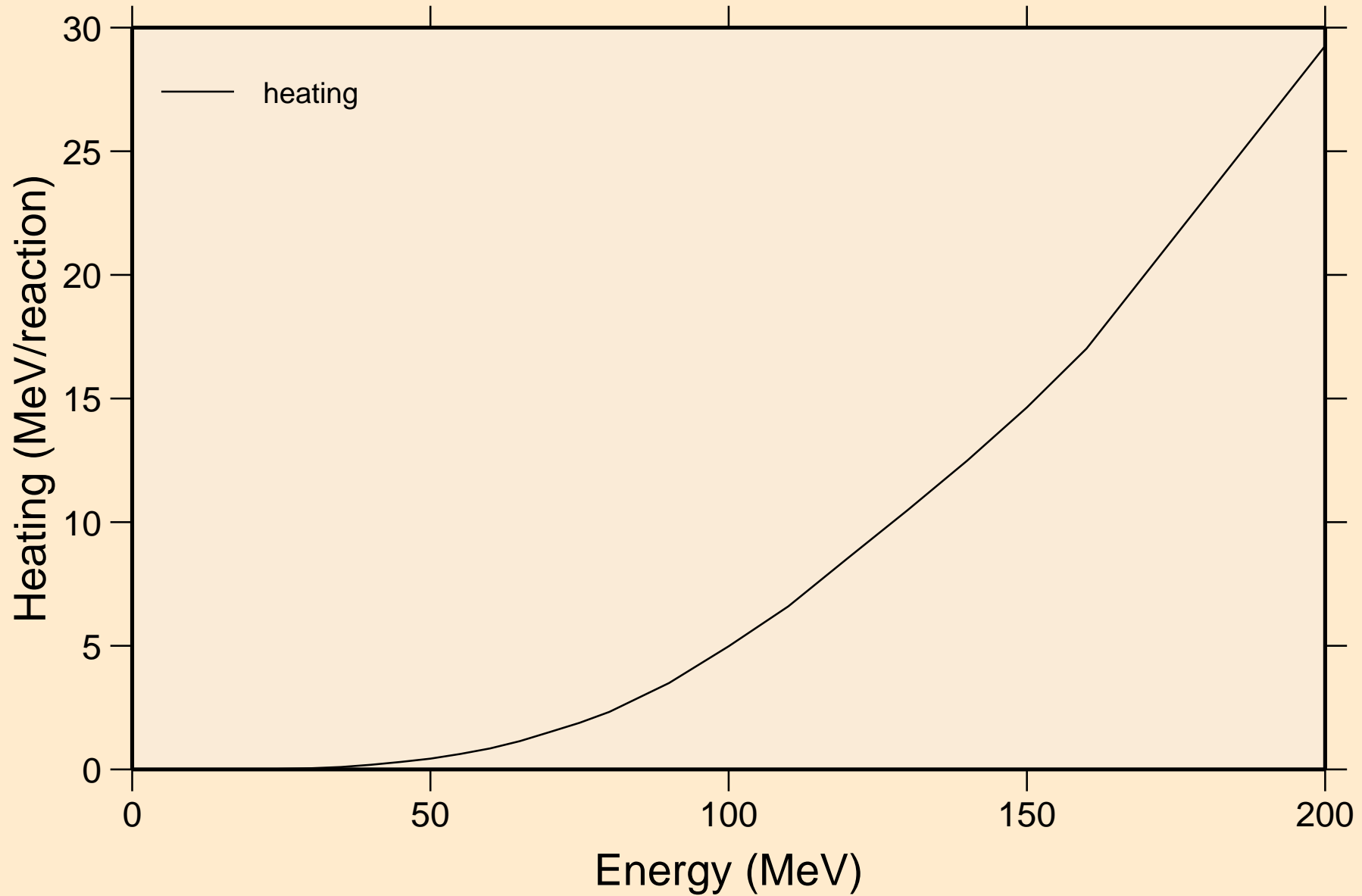
# EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections

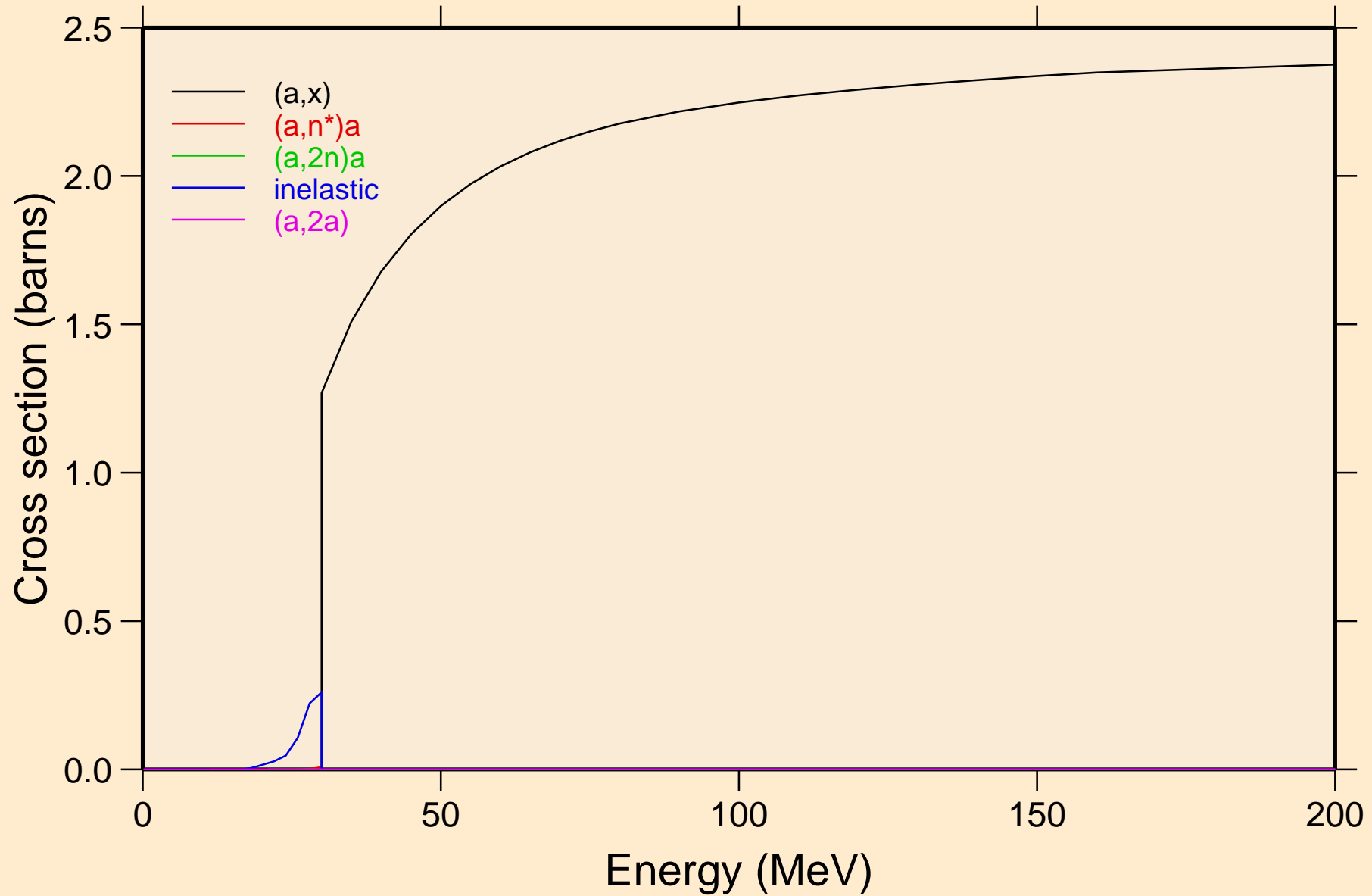


EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

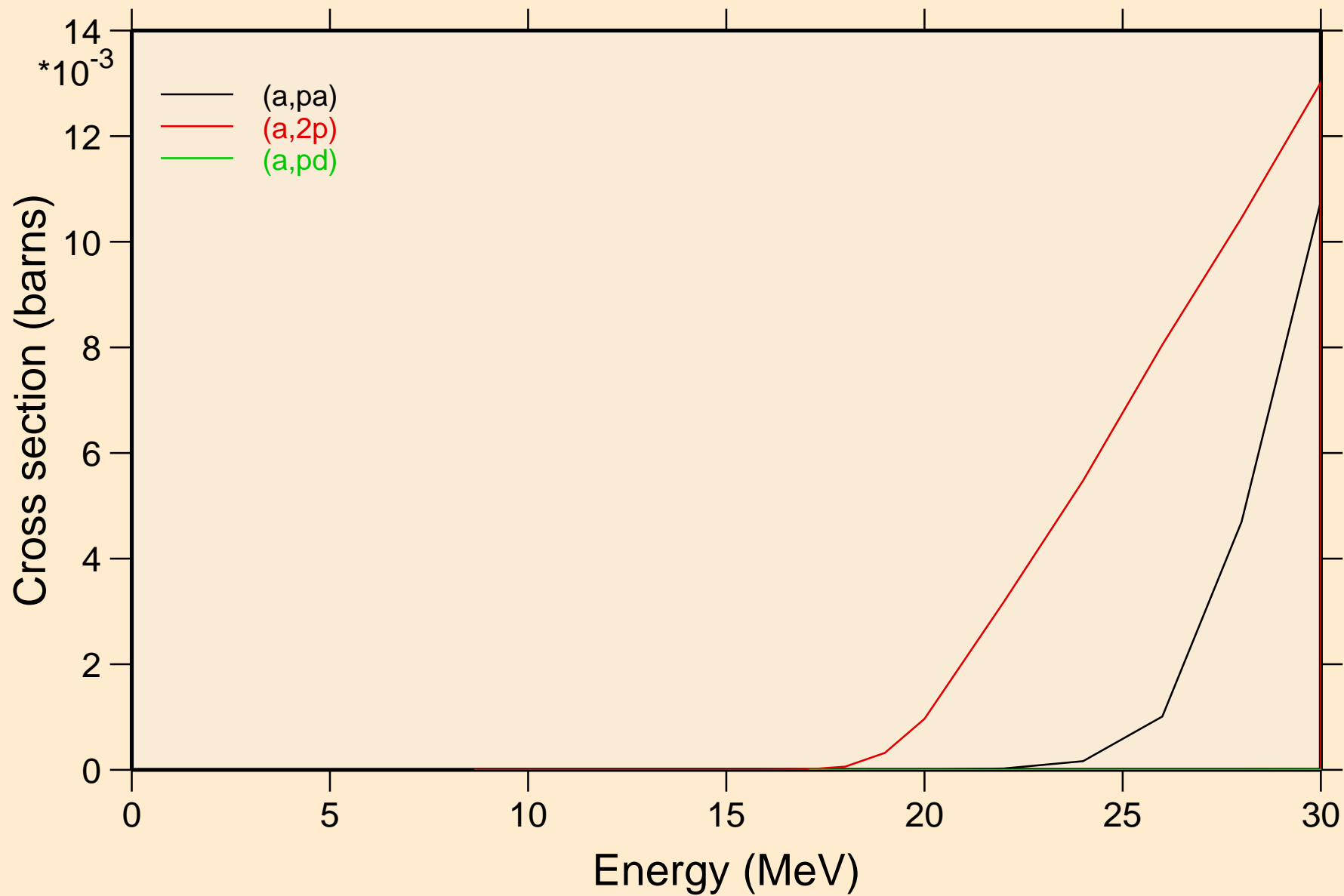
Heating



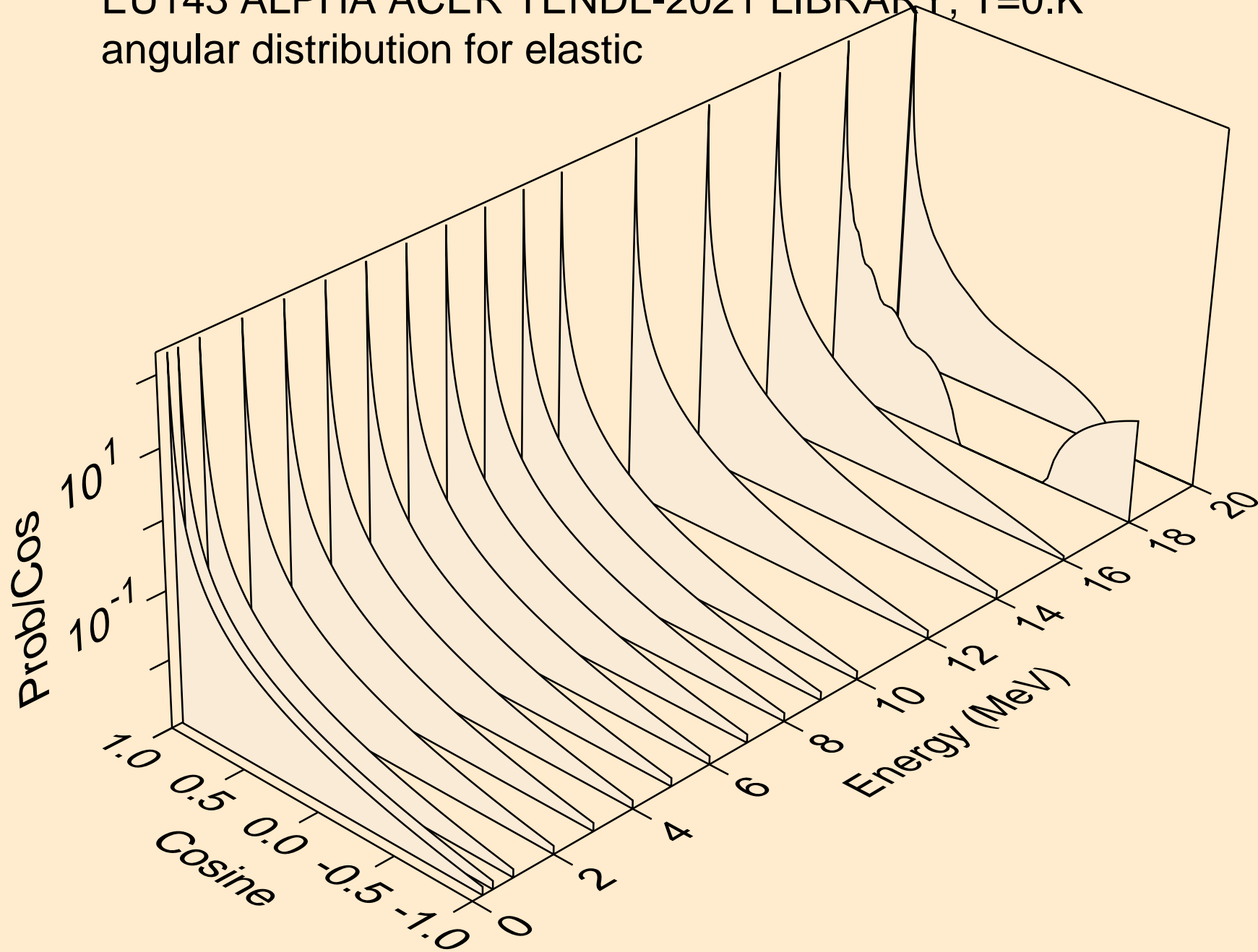
EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



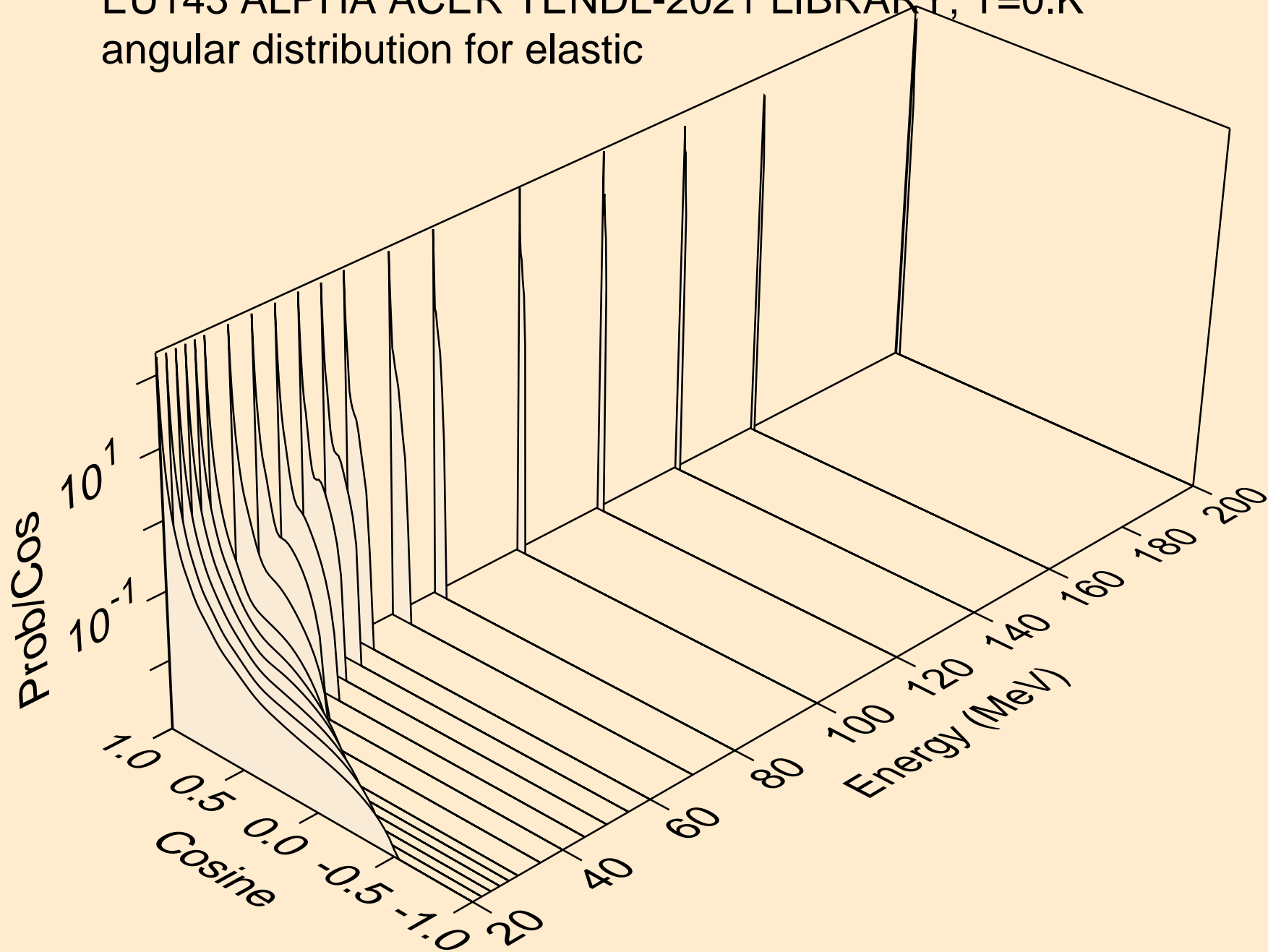
EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic

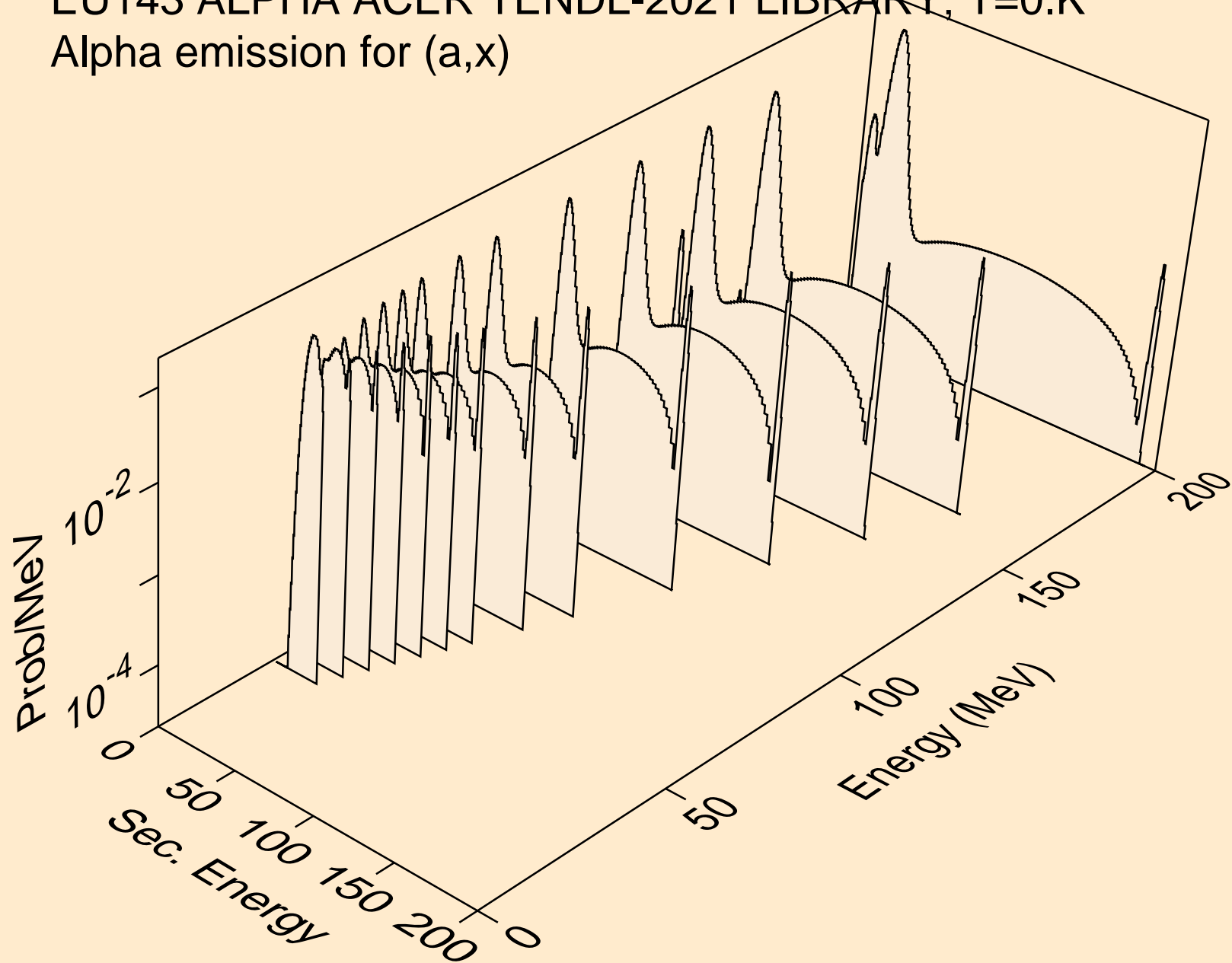


EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic

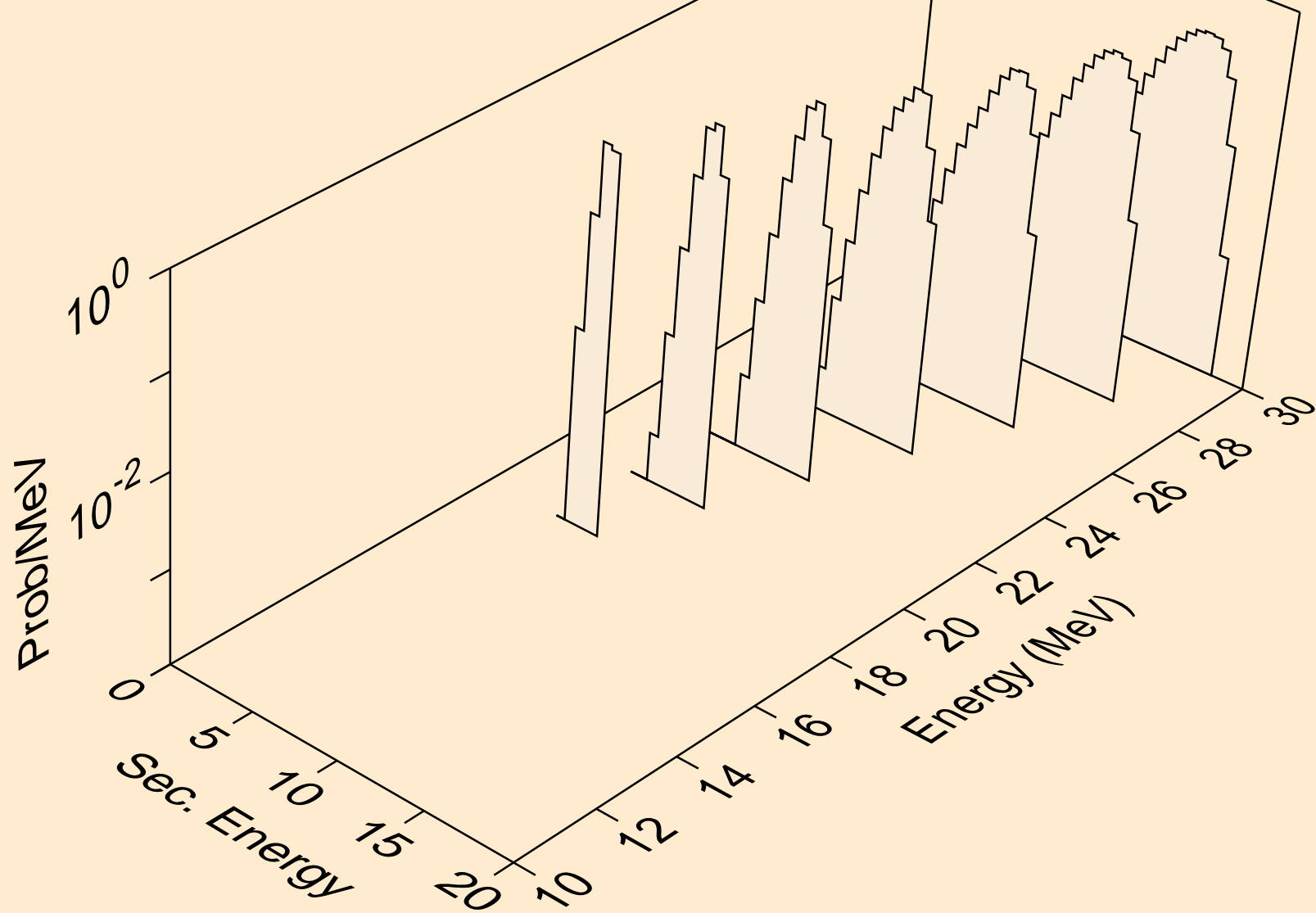




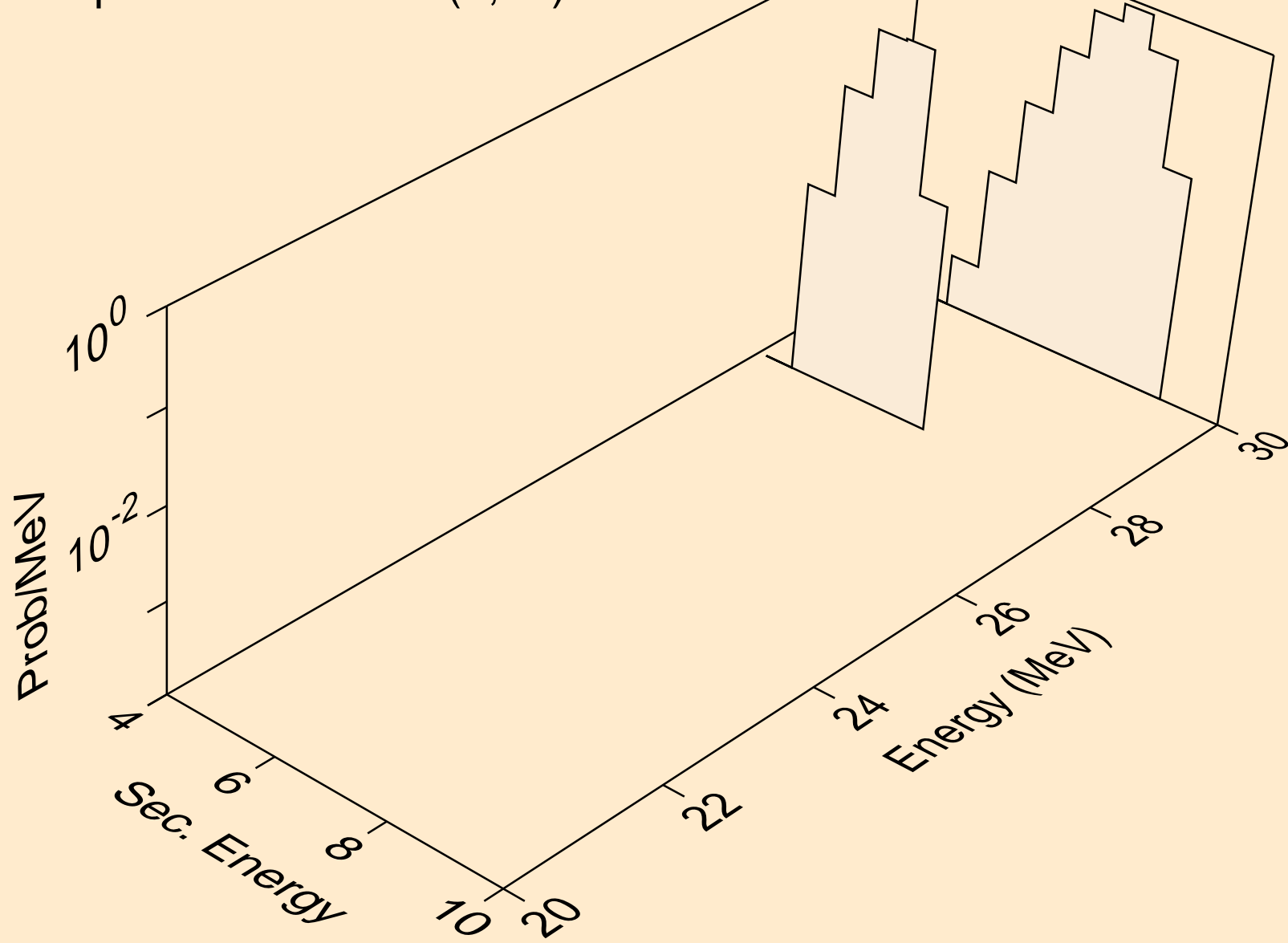
EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,x)



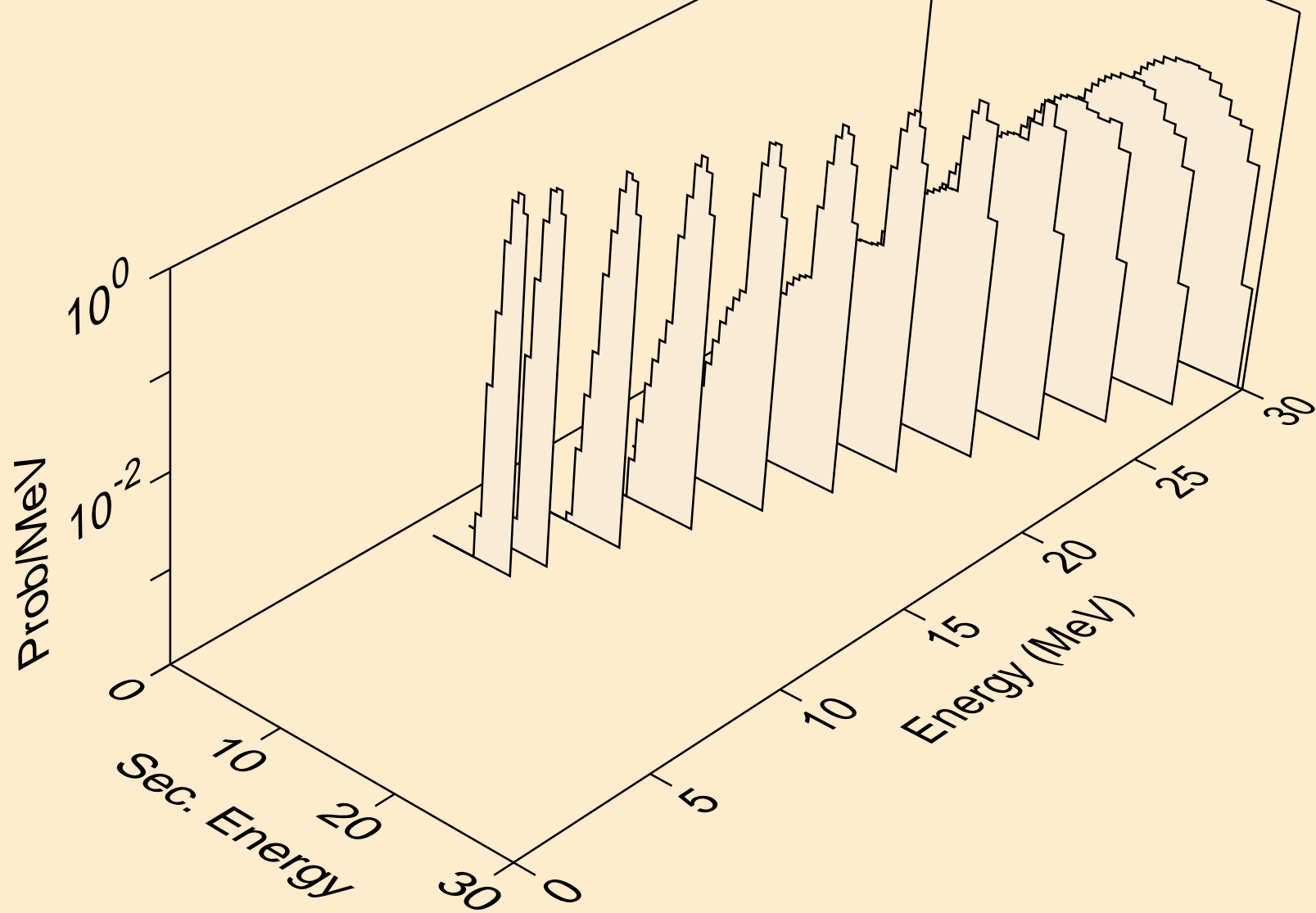
EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,n\*)a



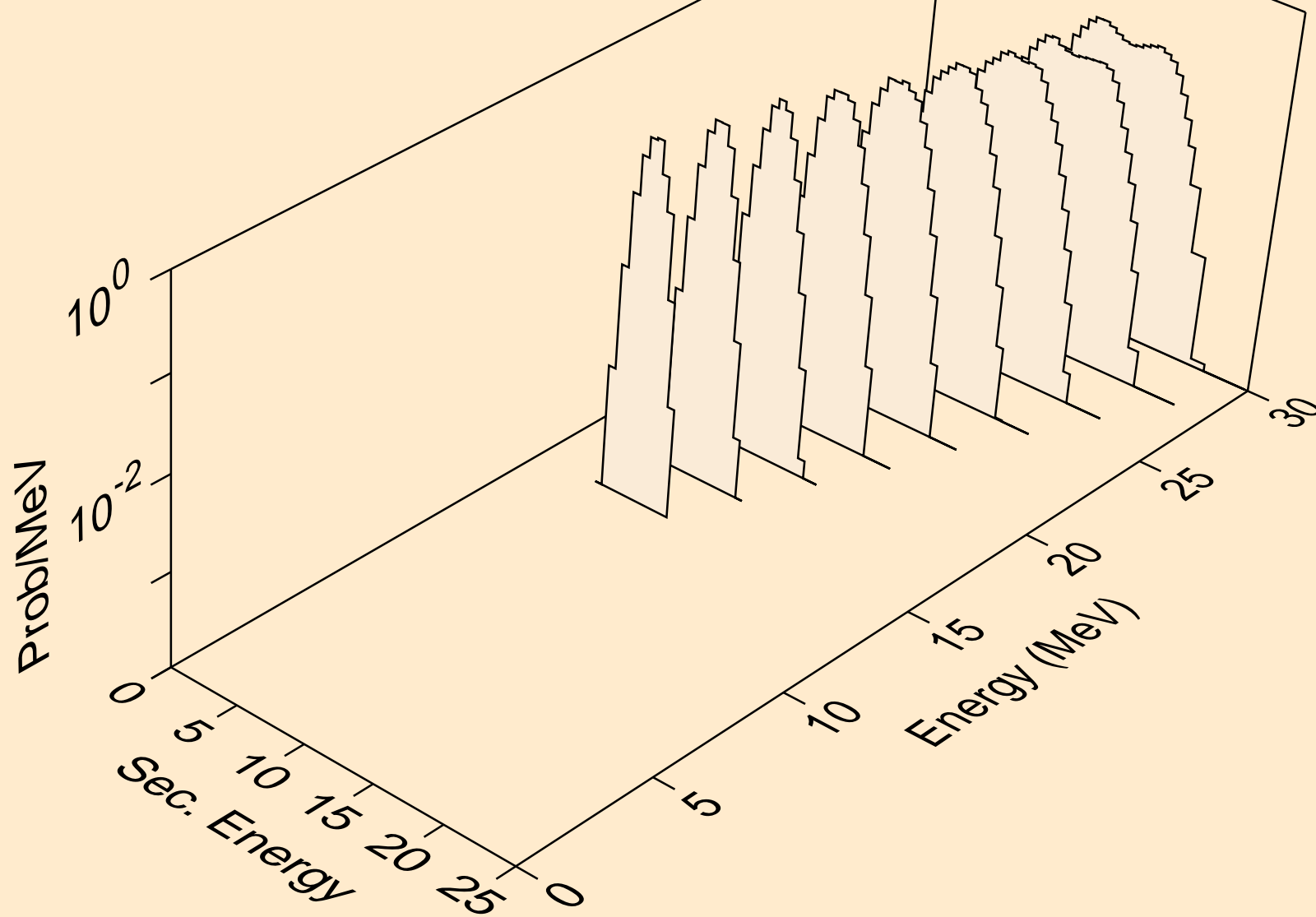
EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,2n)a



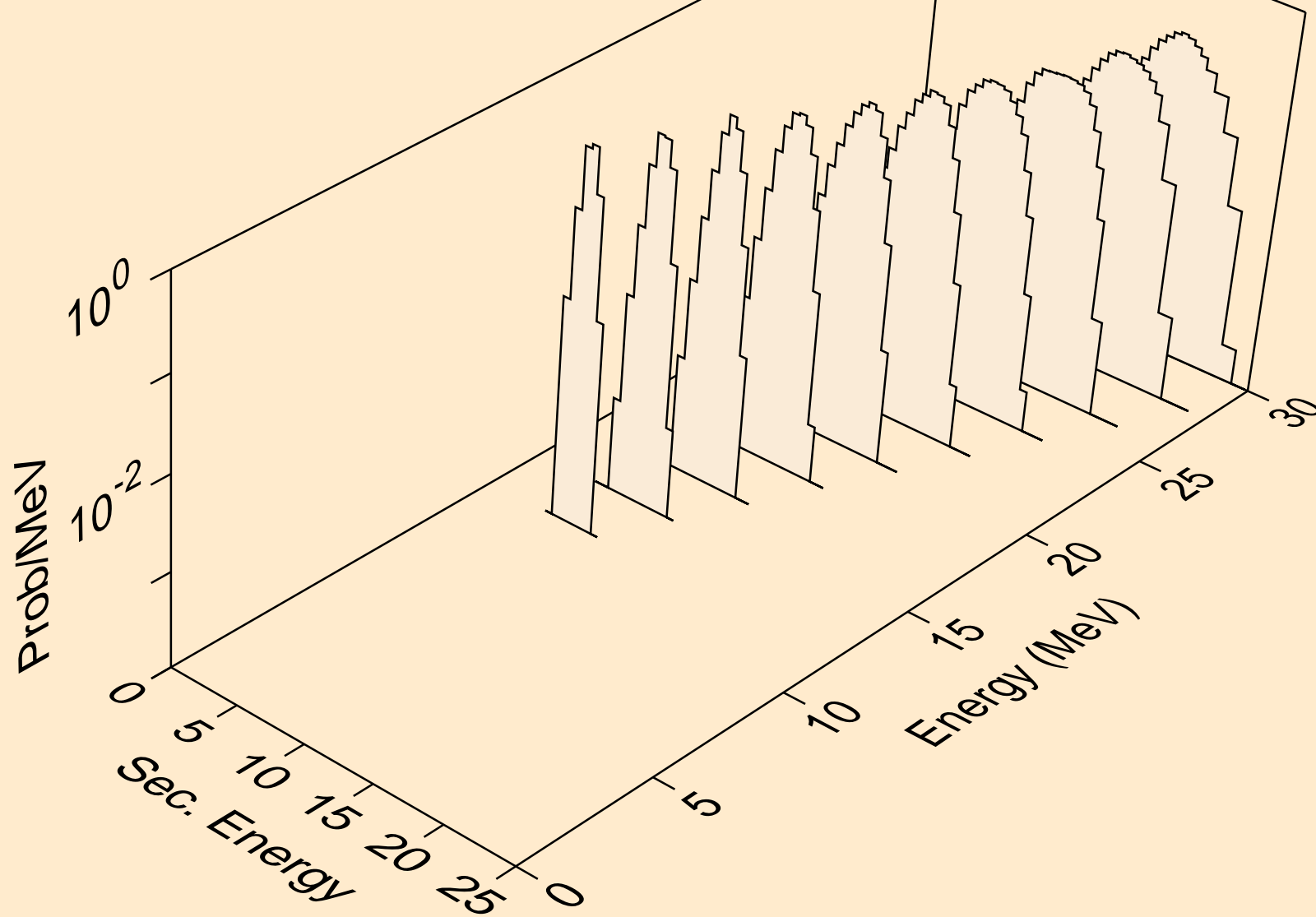
EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for inelastic



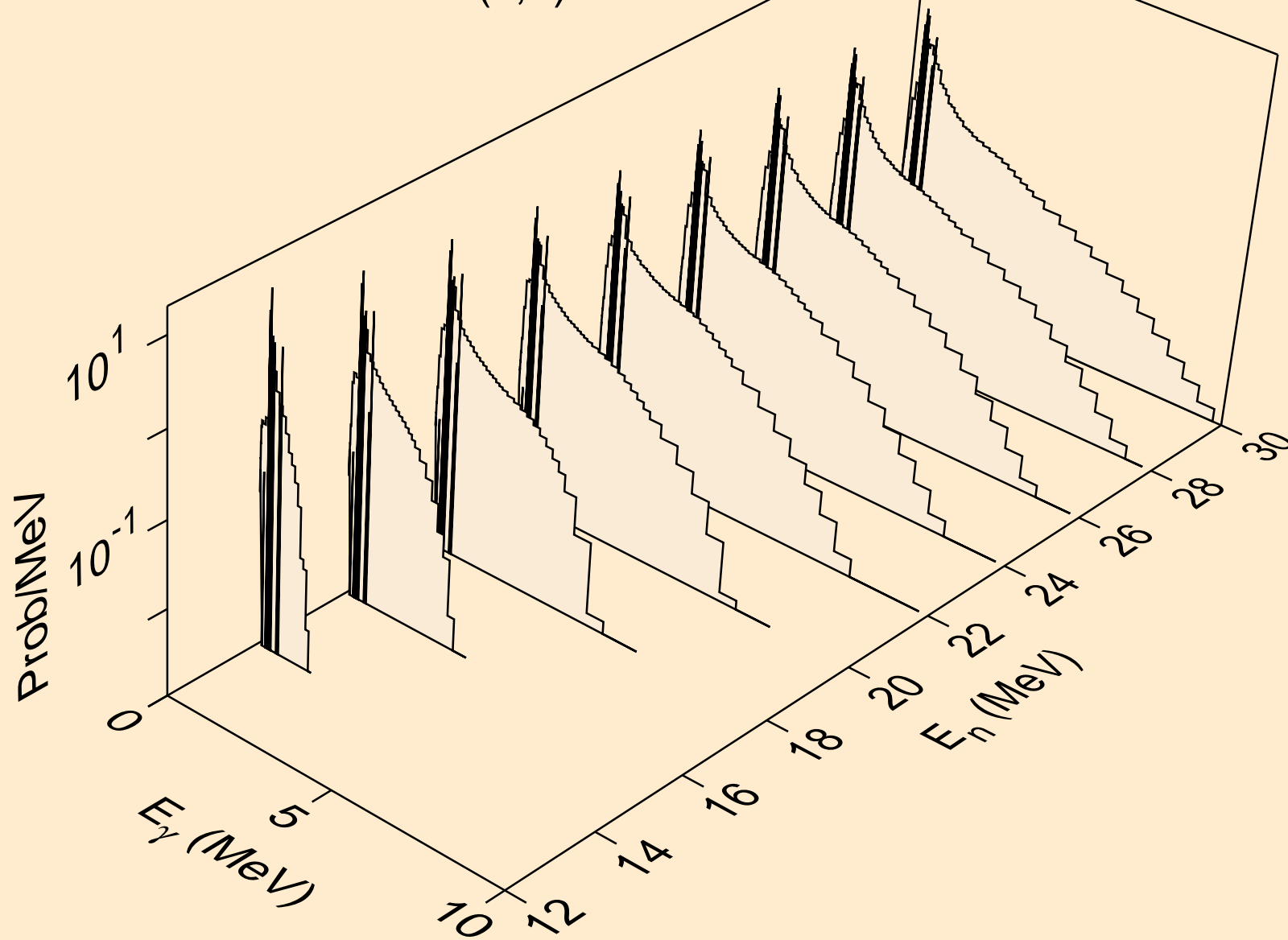
EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,2a)



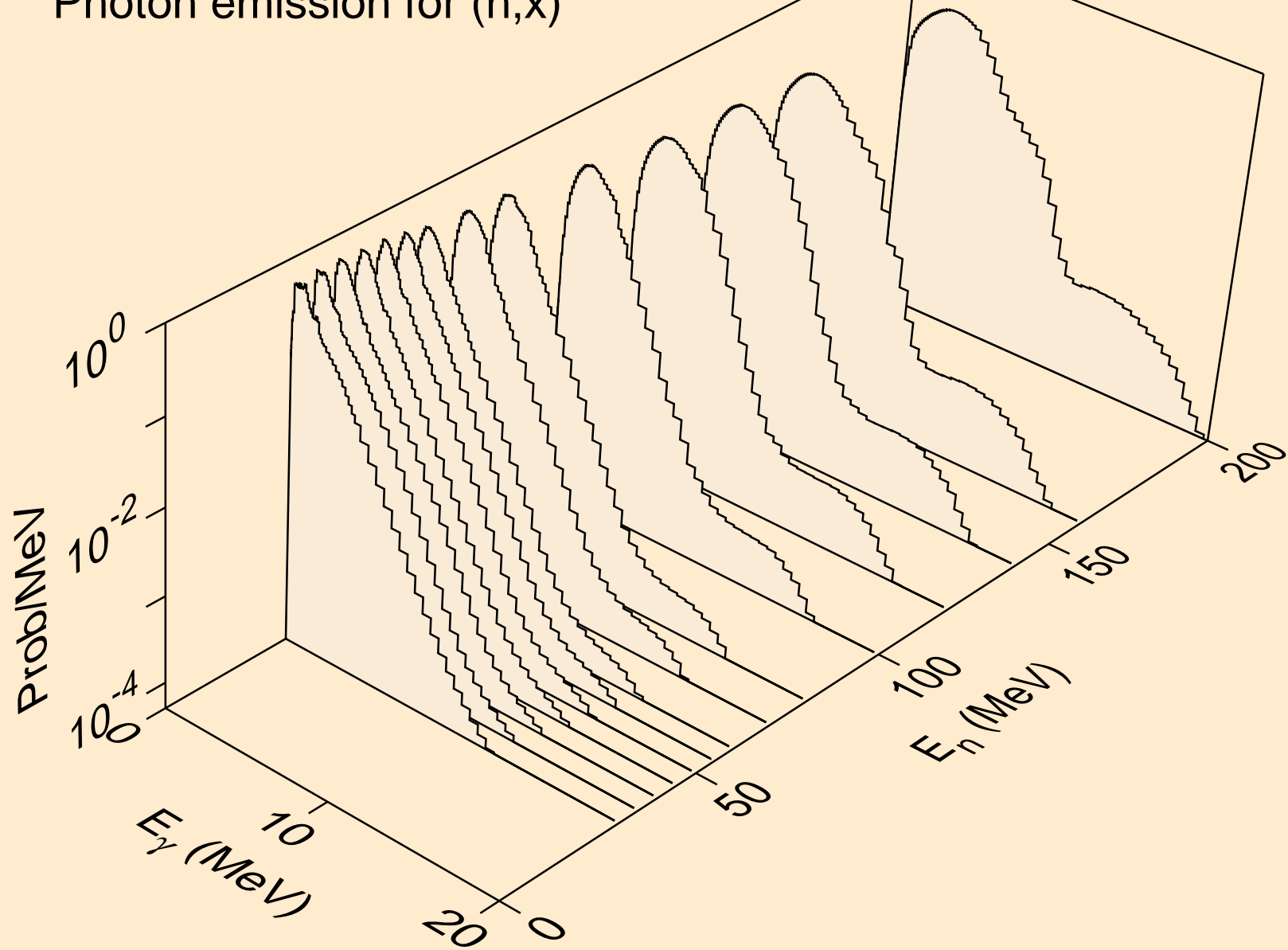
EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,pa)



EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)

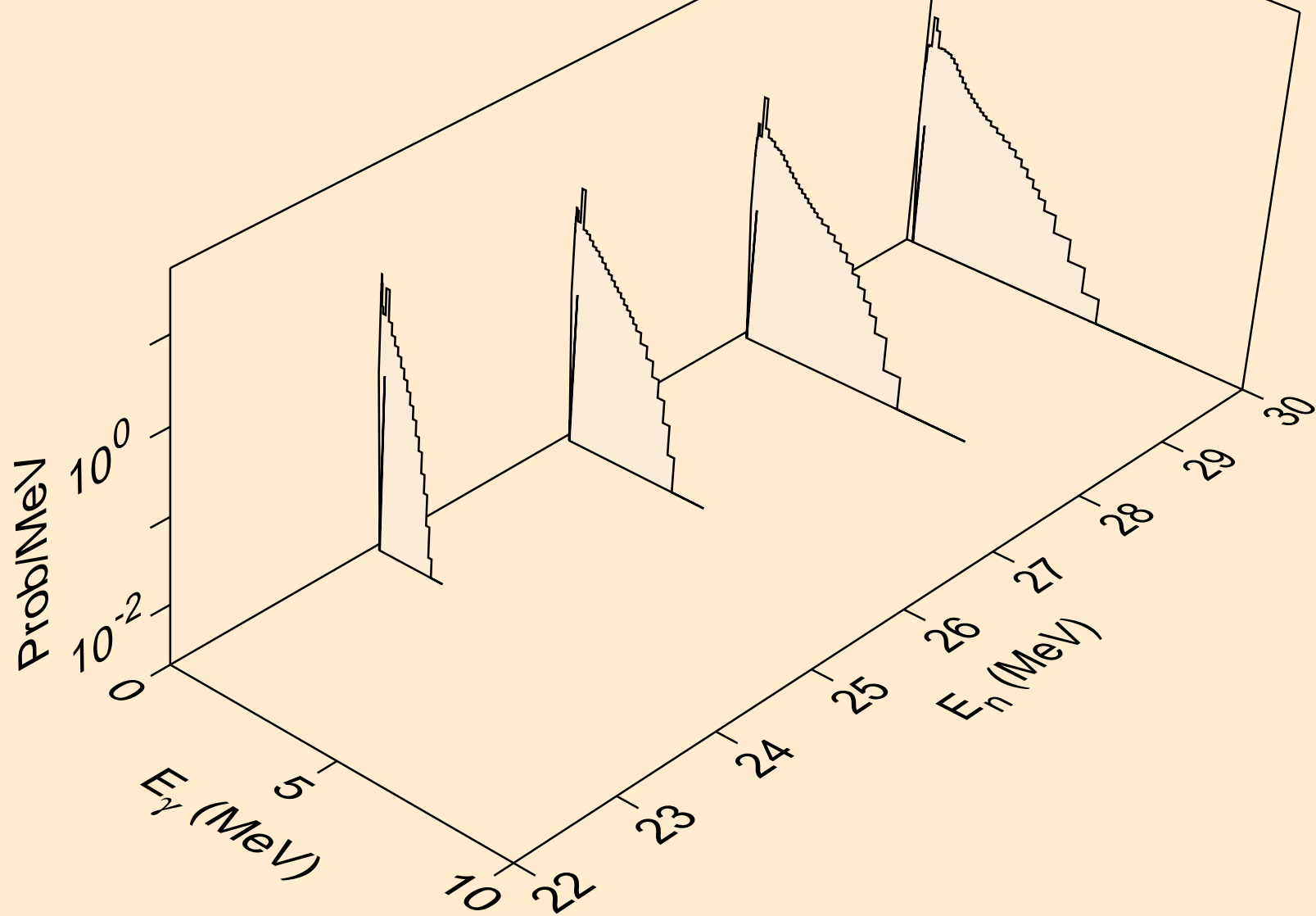


EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)

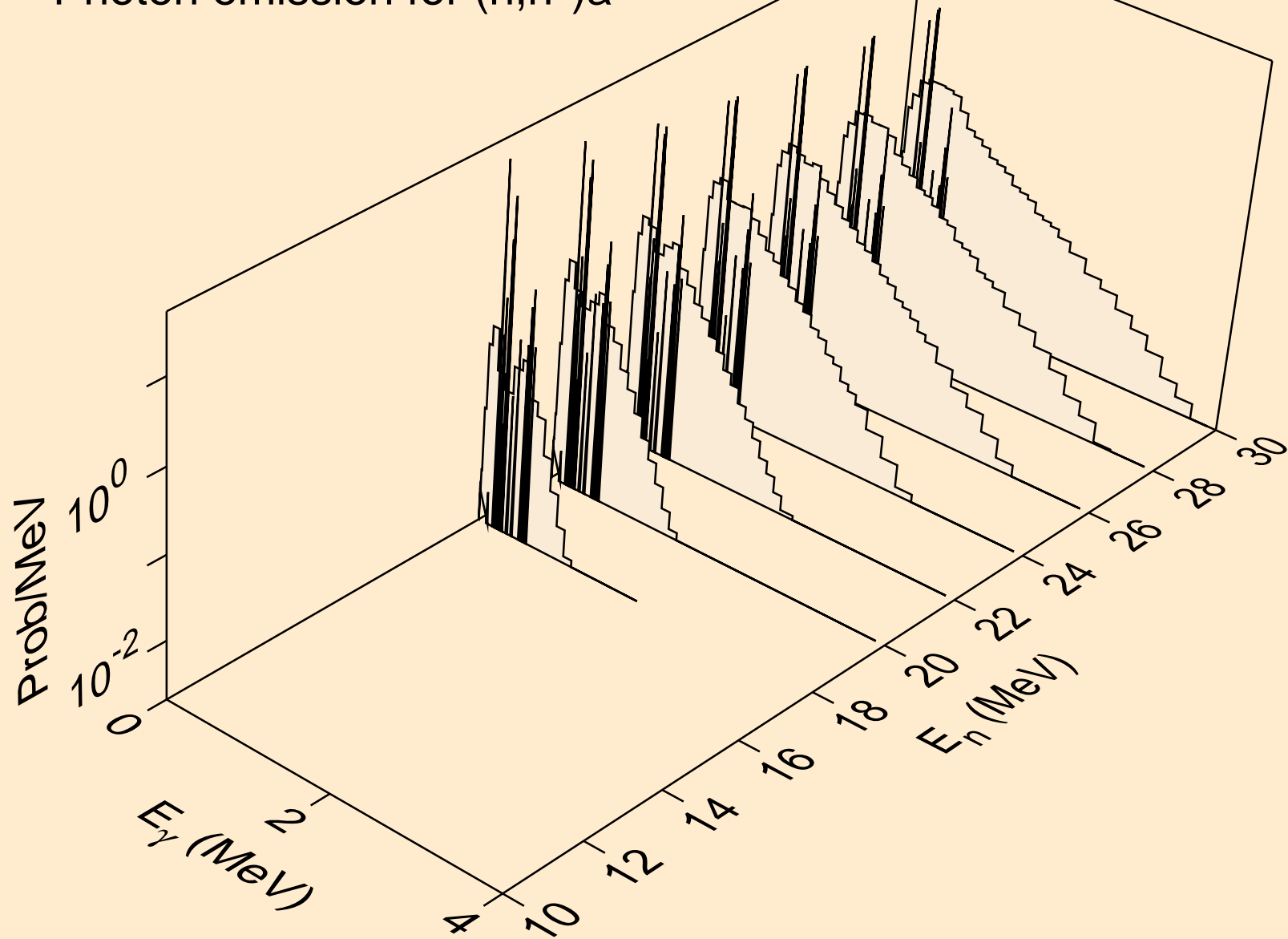




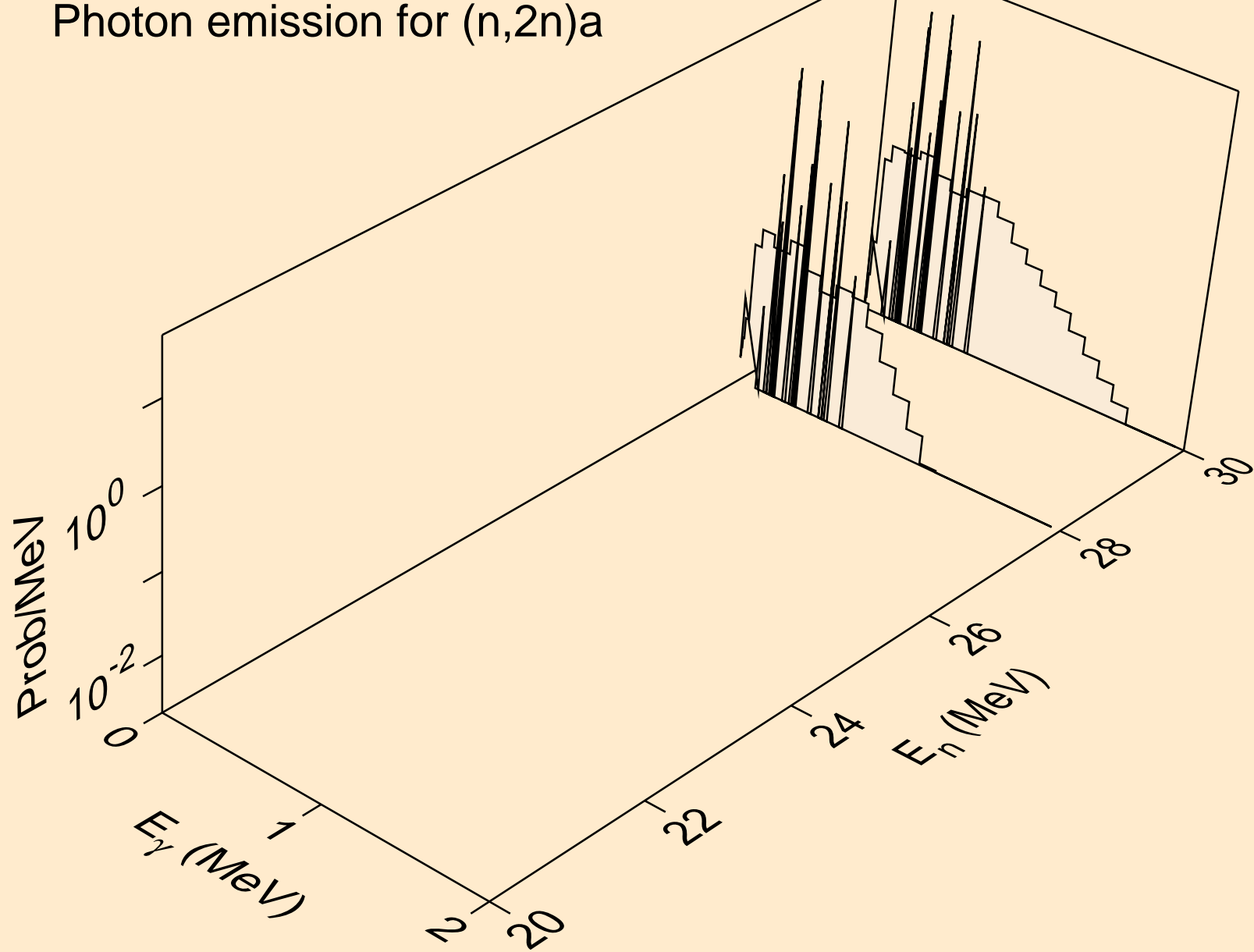
EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)



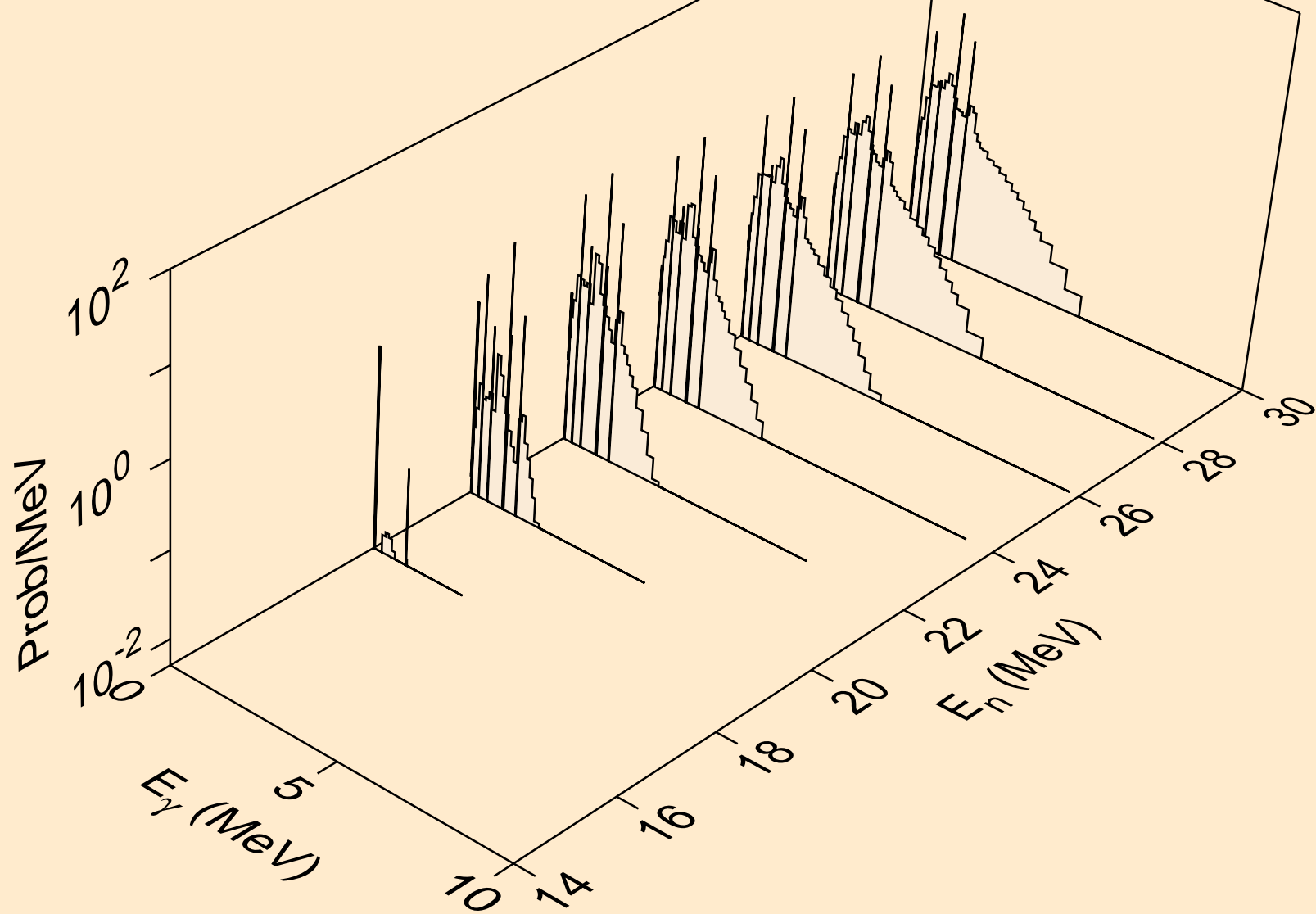
EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



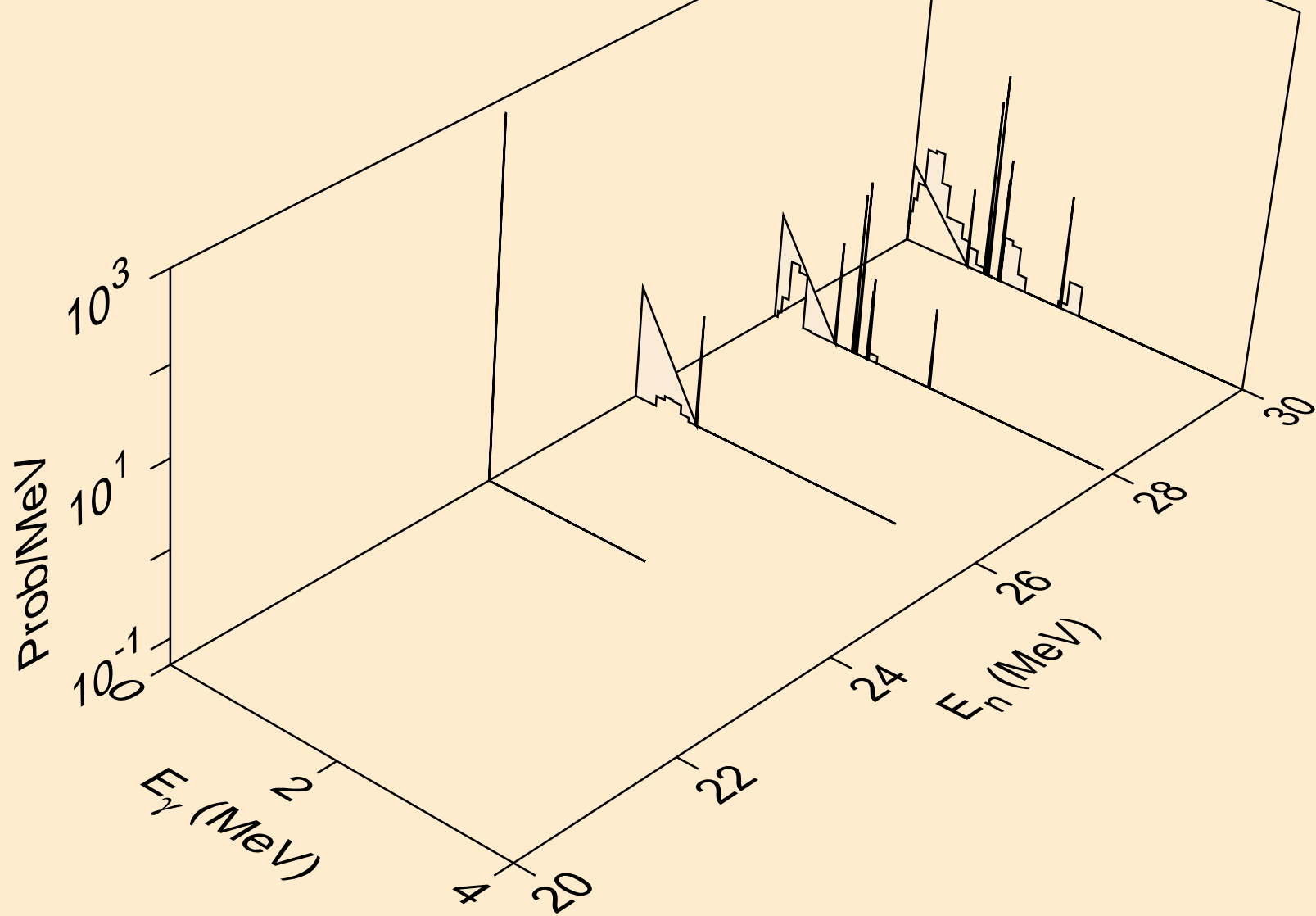
EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)a



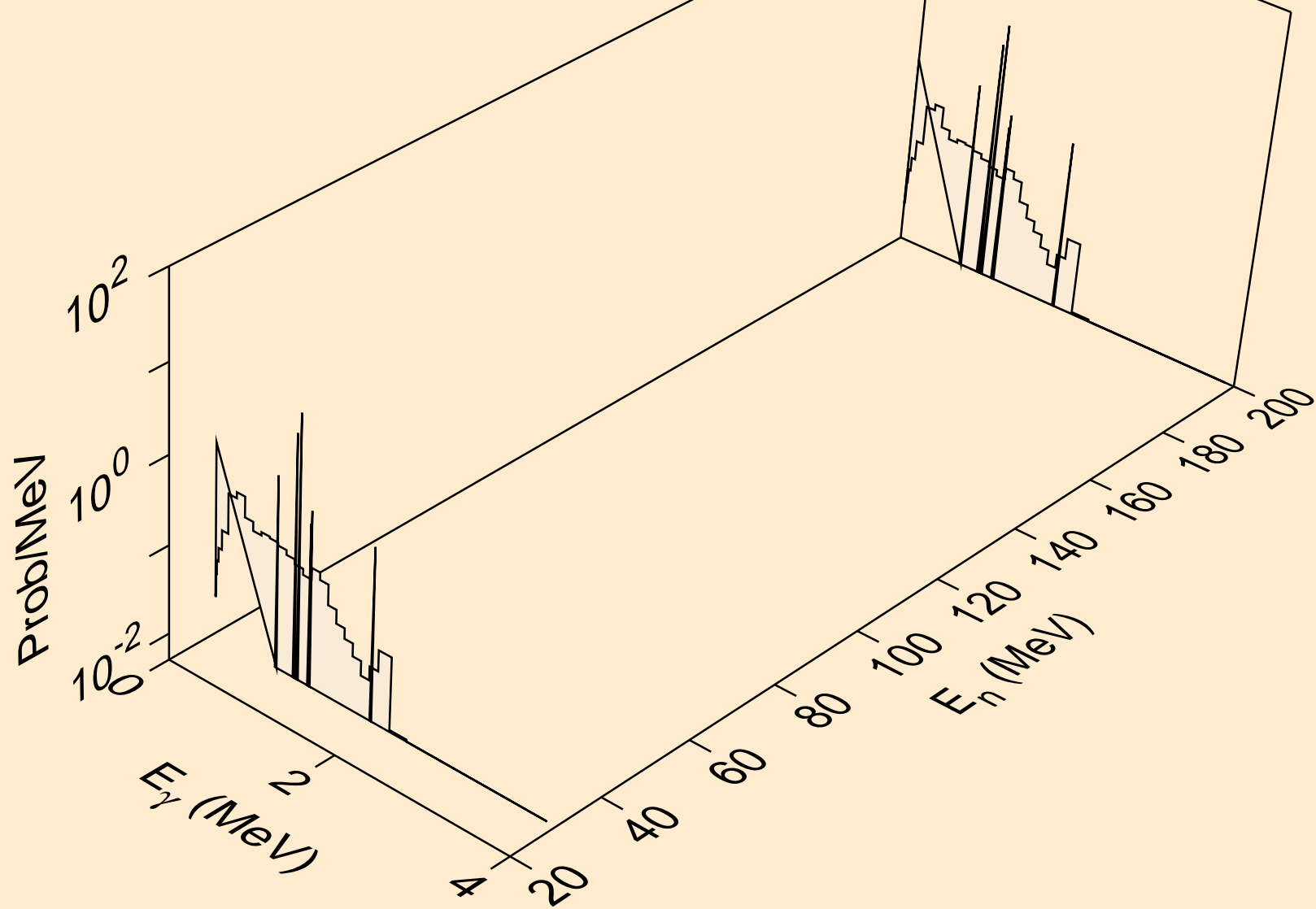
EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



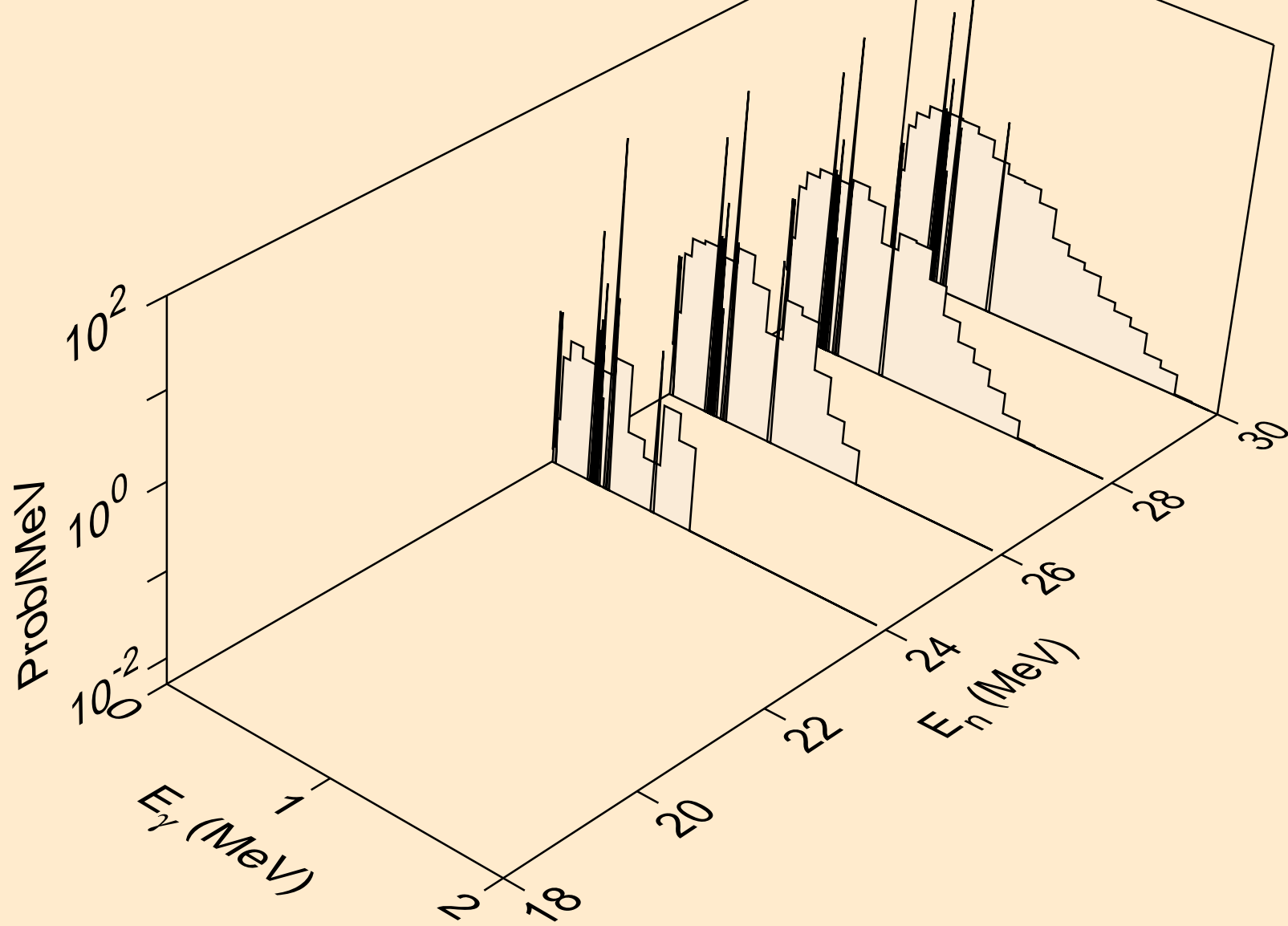
EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



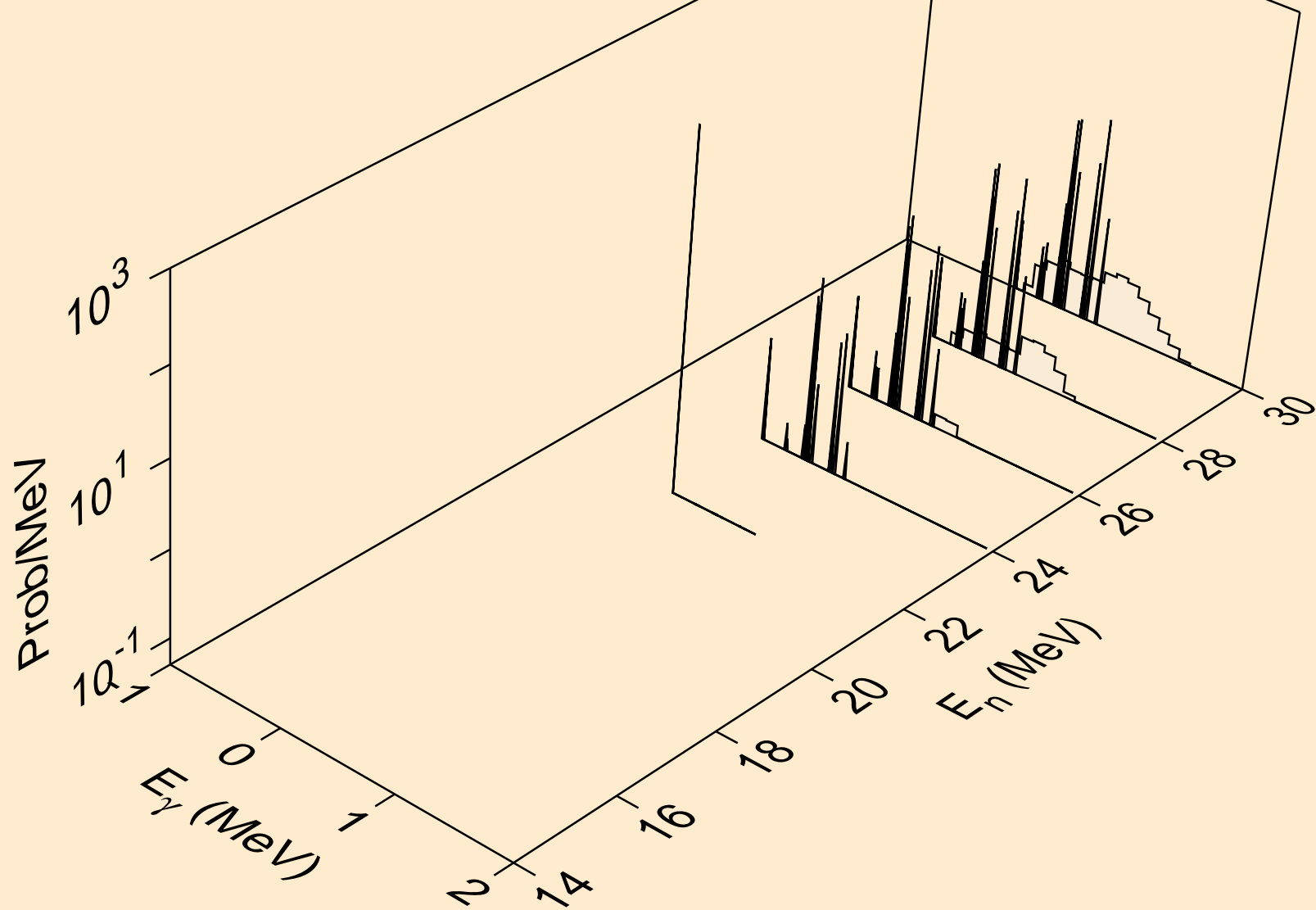
EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)

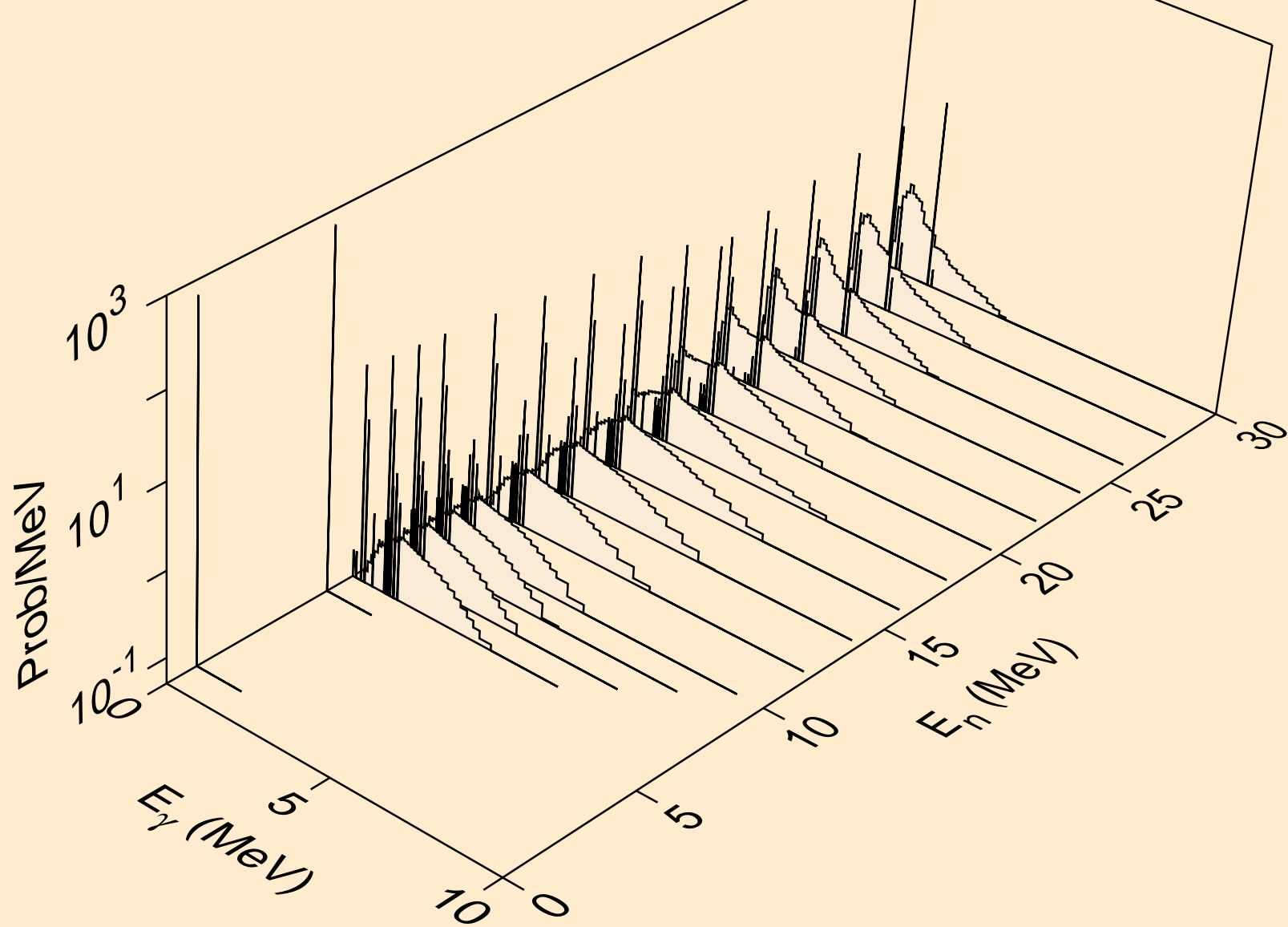


EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,npa)

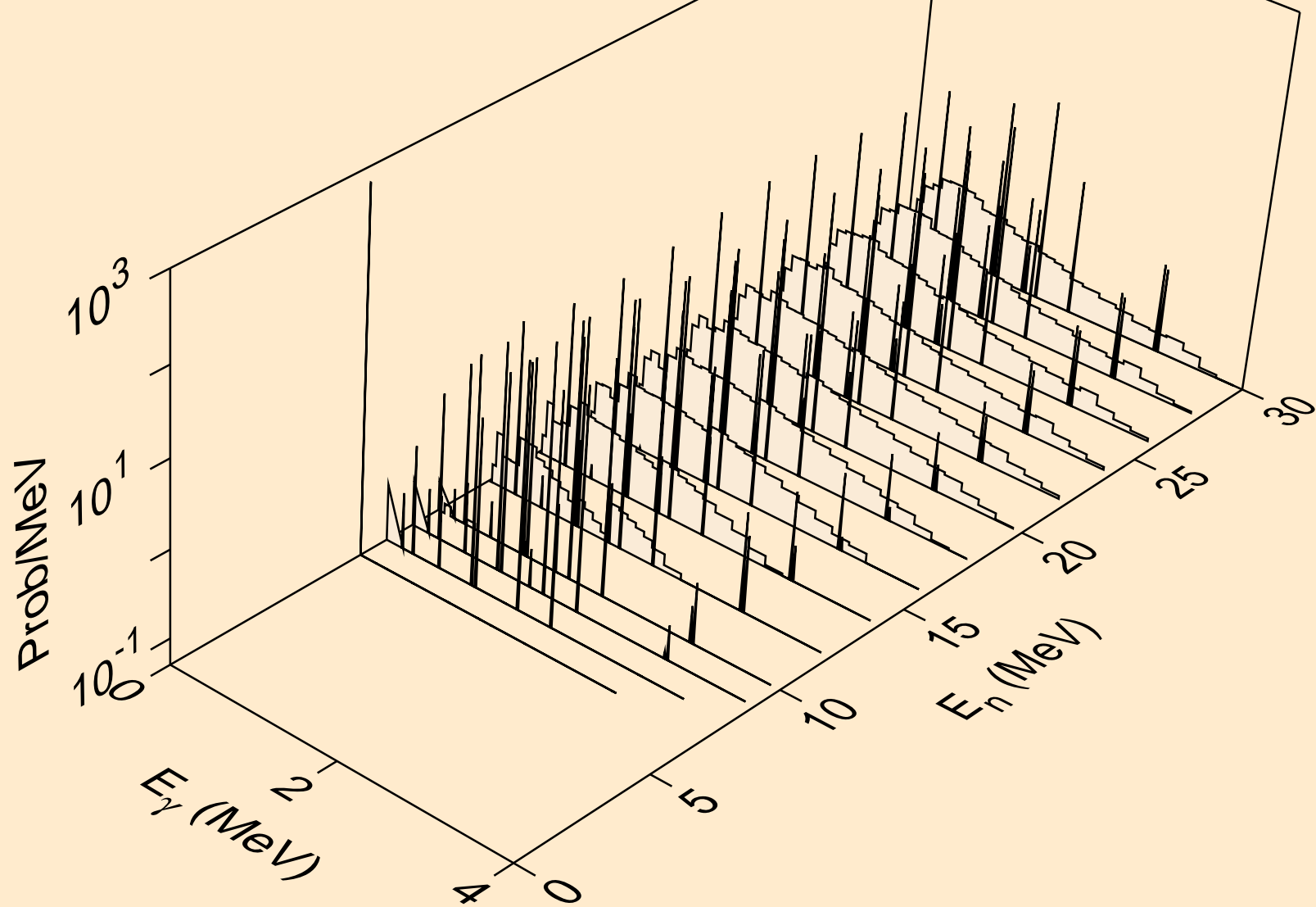




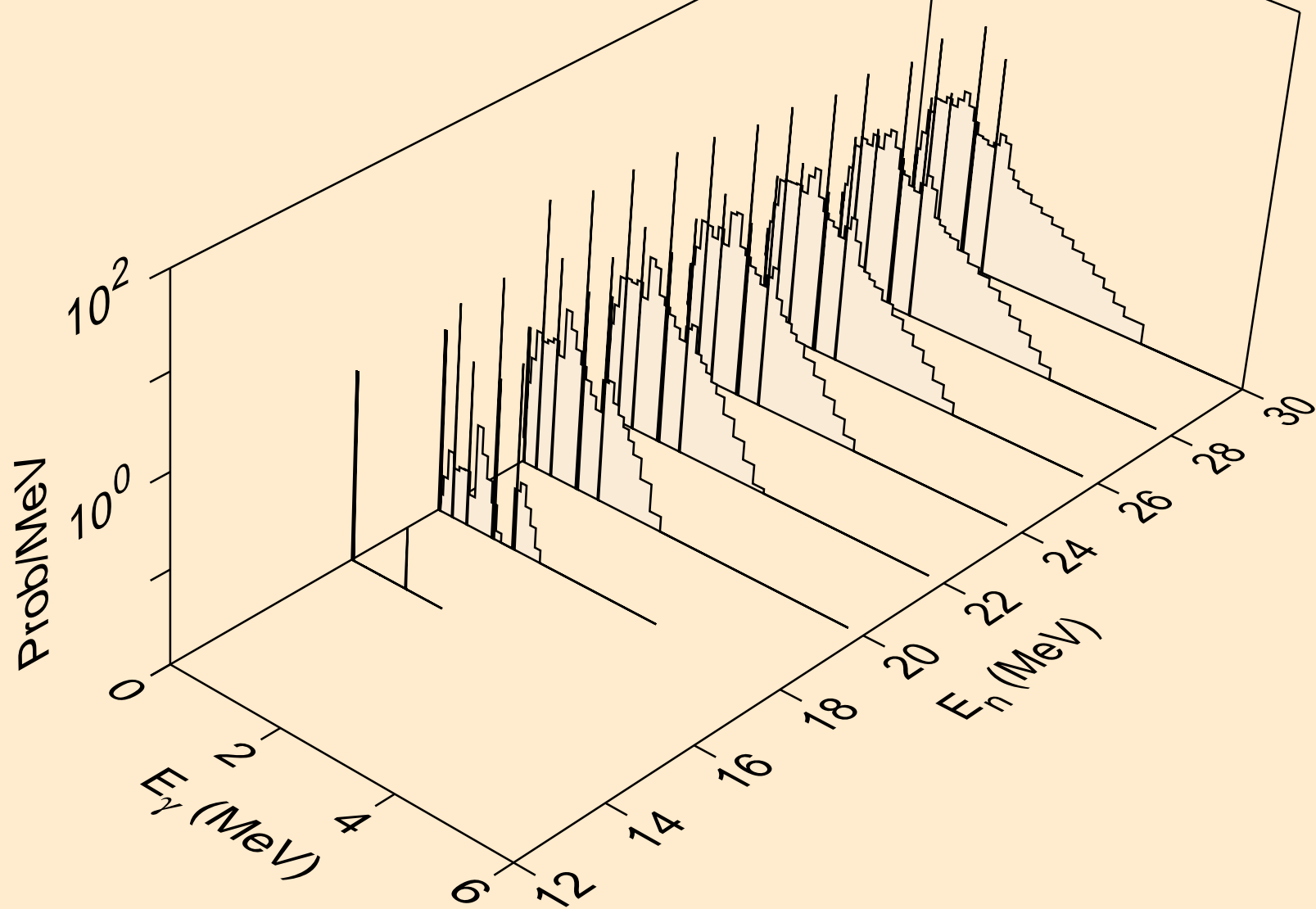
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Photon emission for (n,gma)



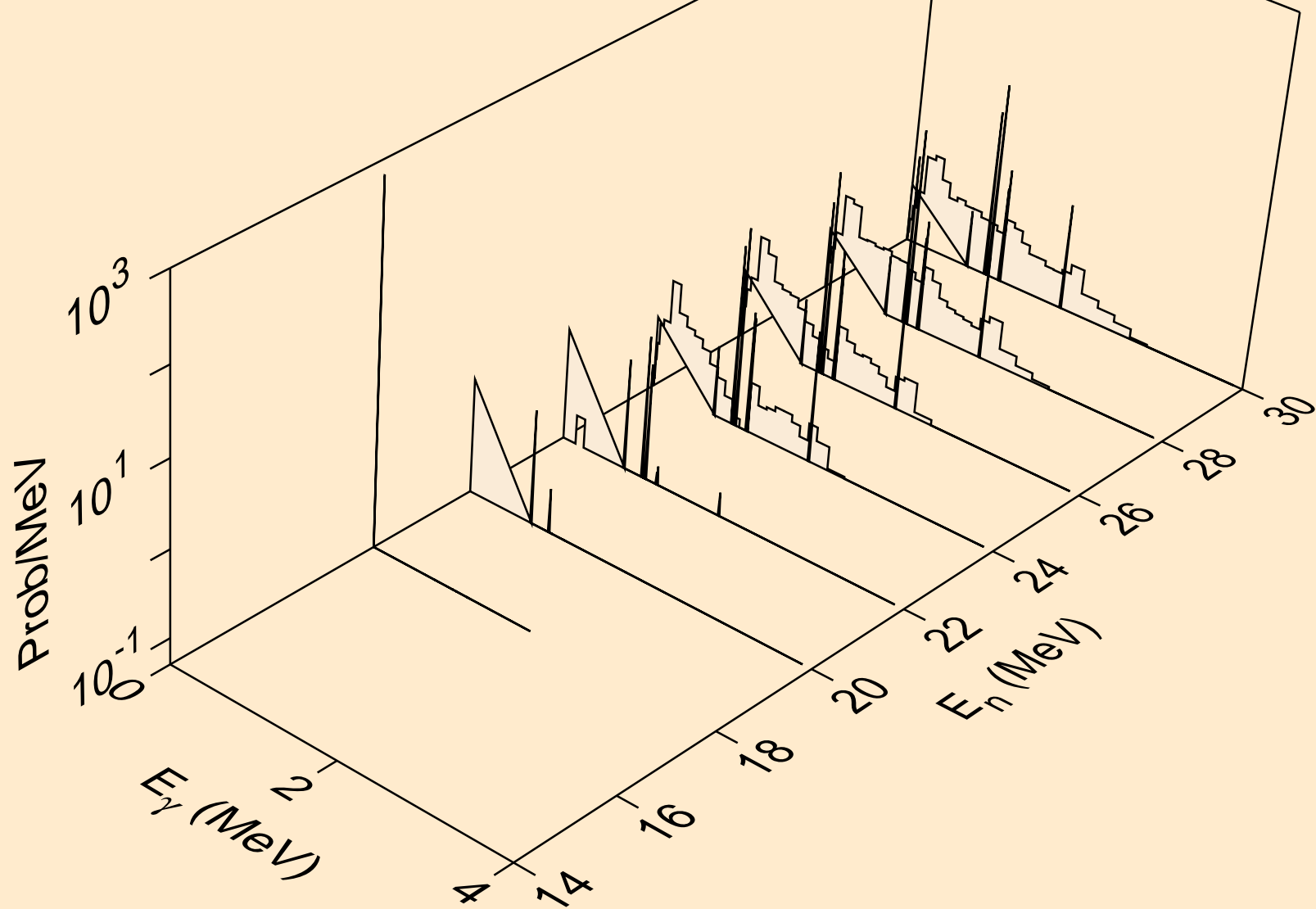
EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,p)



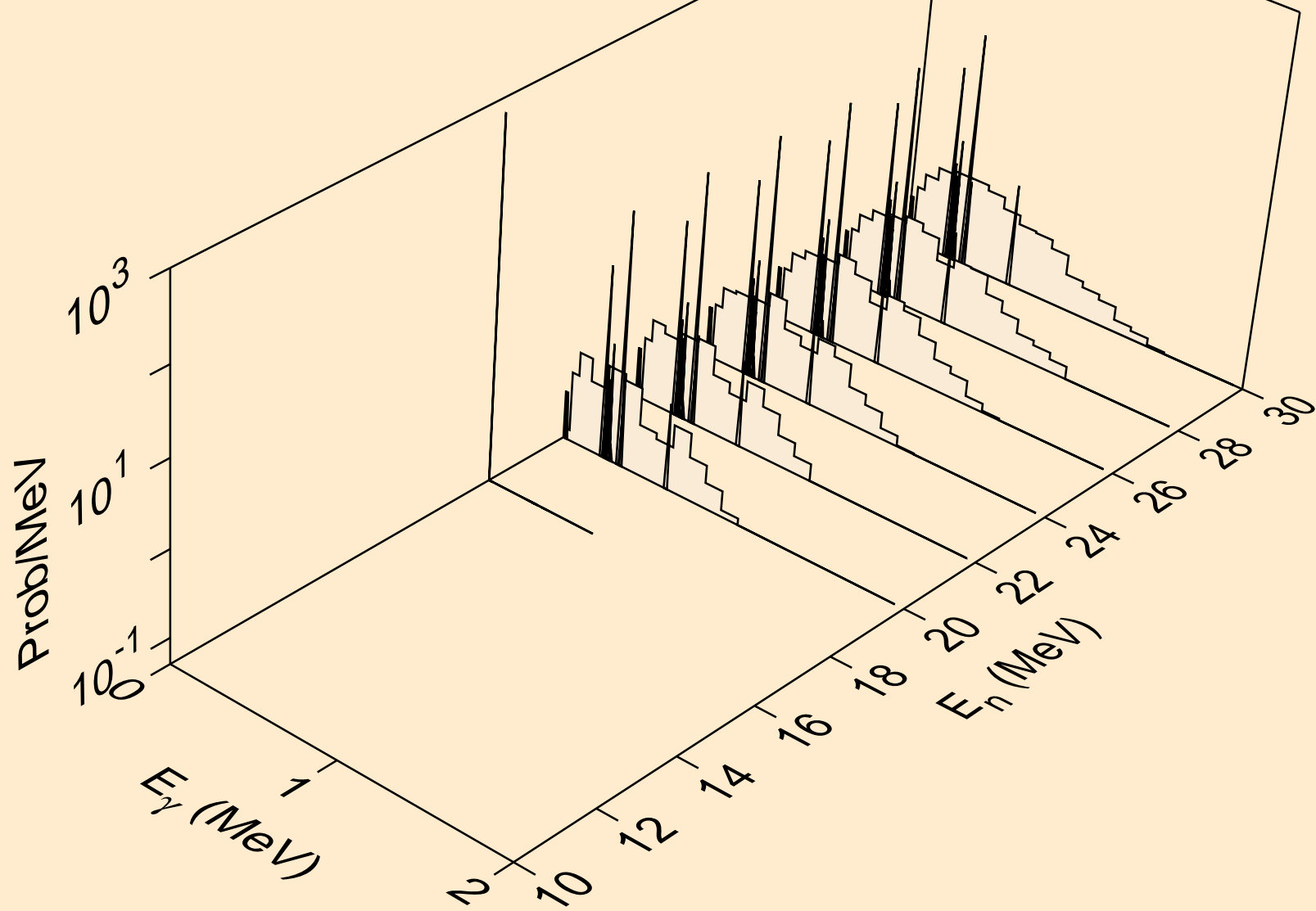
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Photon emission for (n,d)



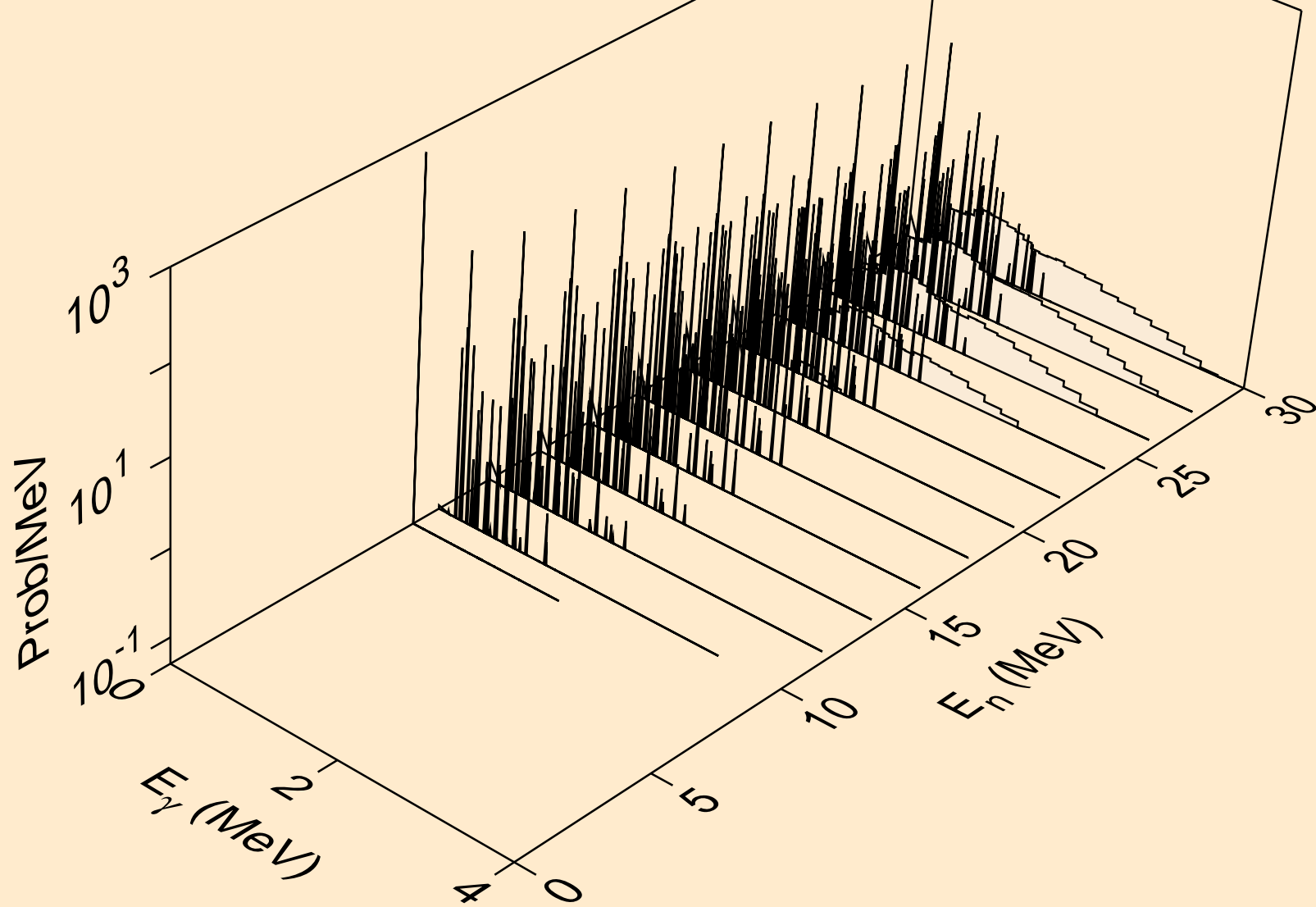
EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,t)



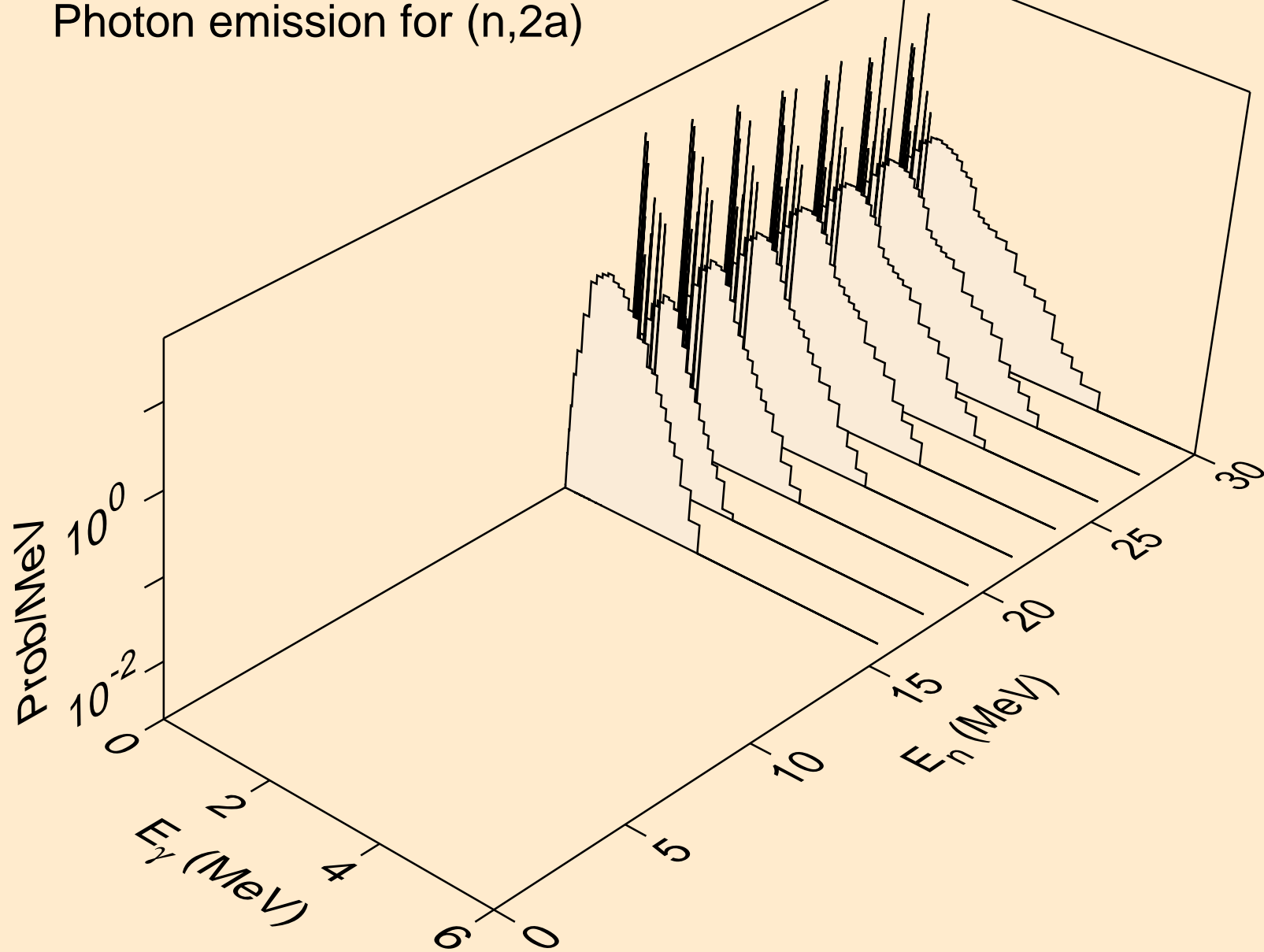
EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,he3)



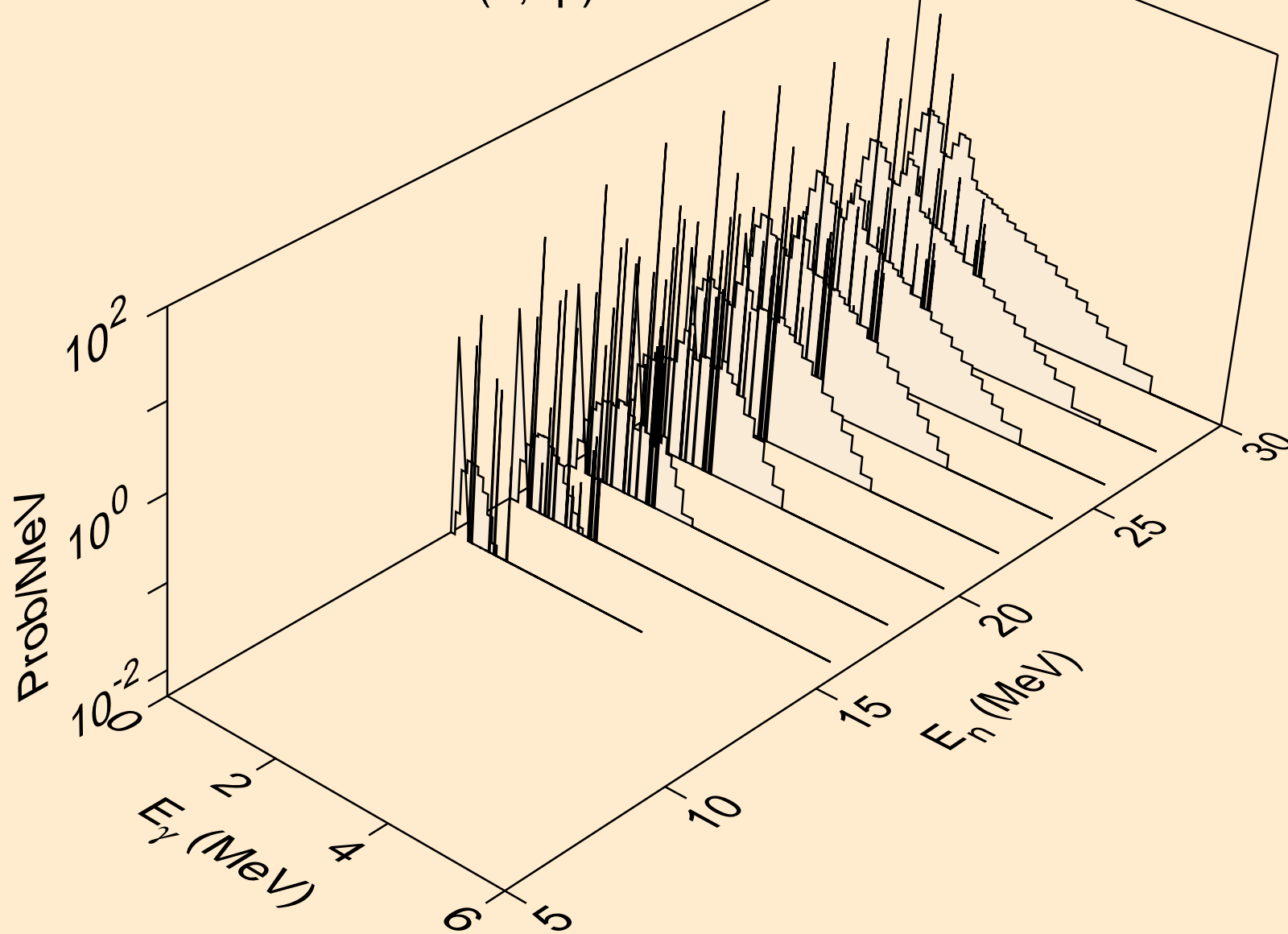
EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic



EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2a)

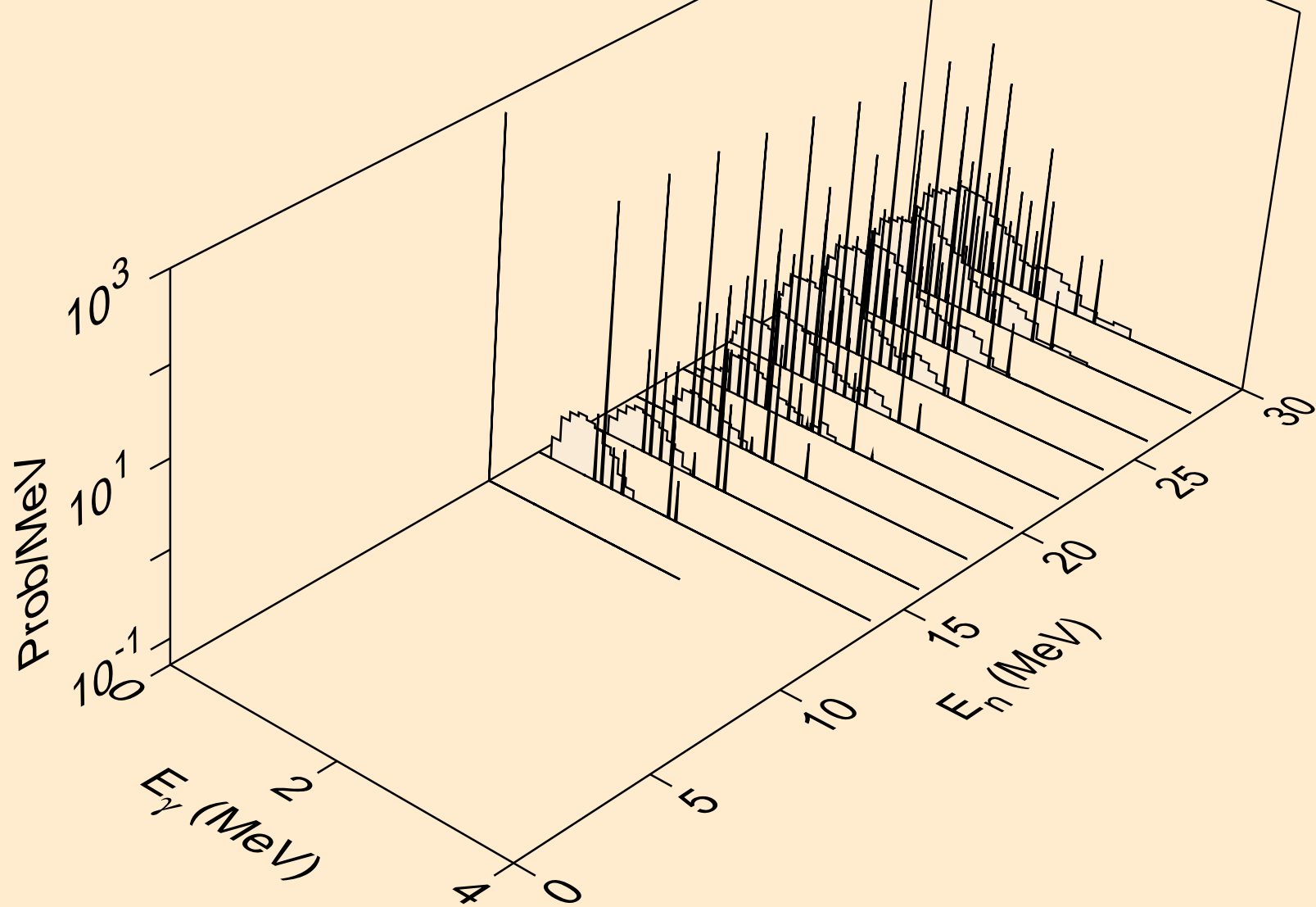


EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)

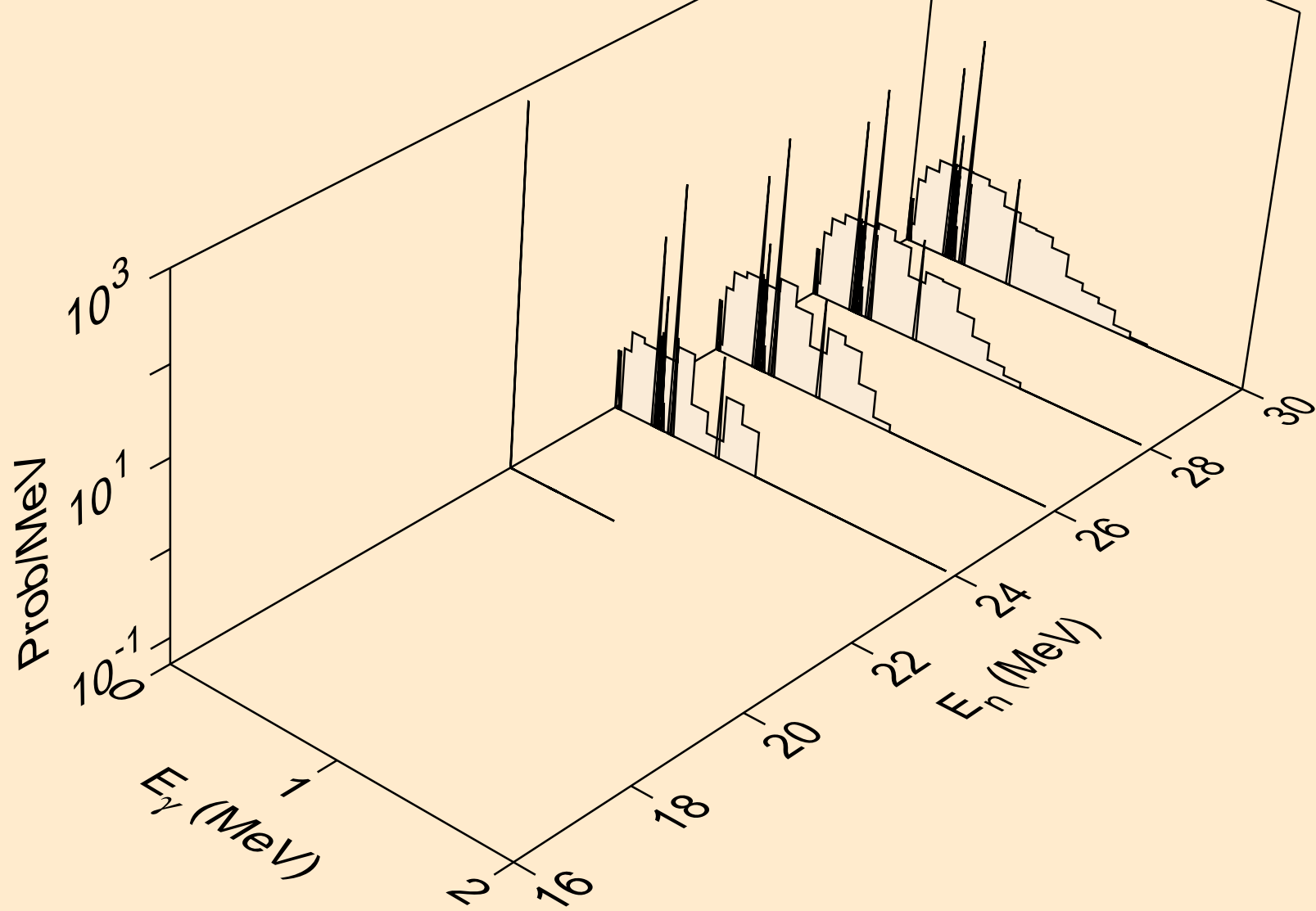




EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pa)

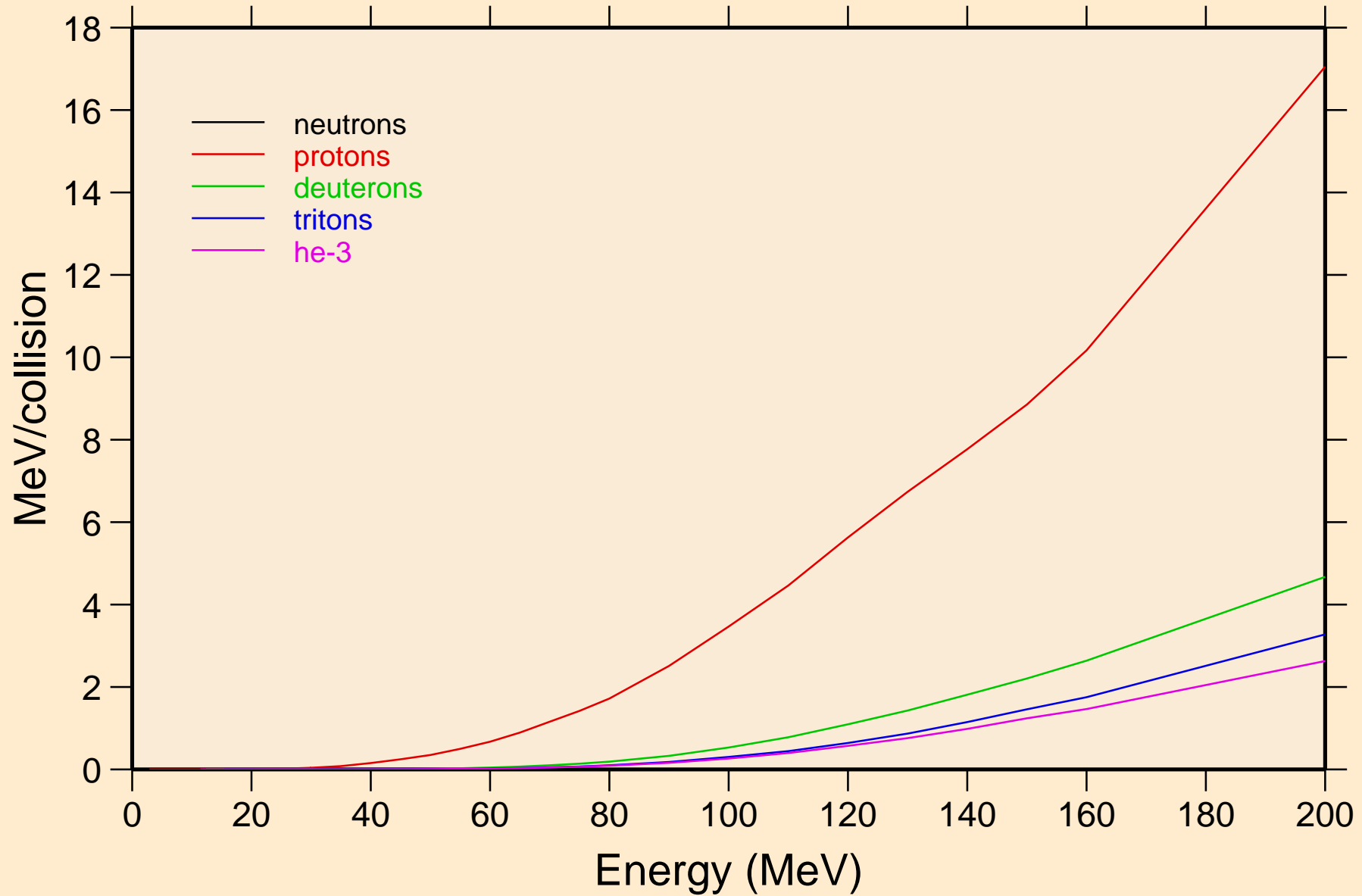


EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pd)

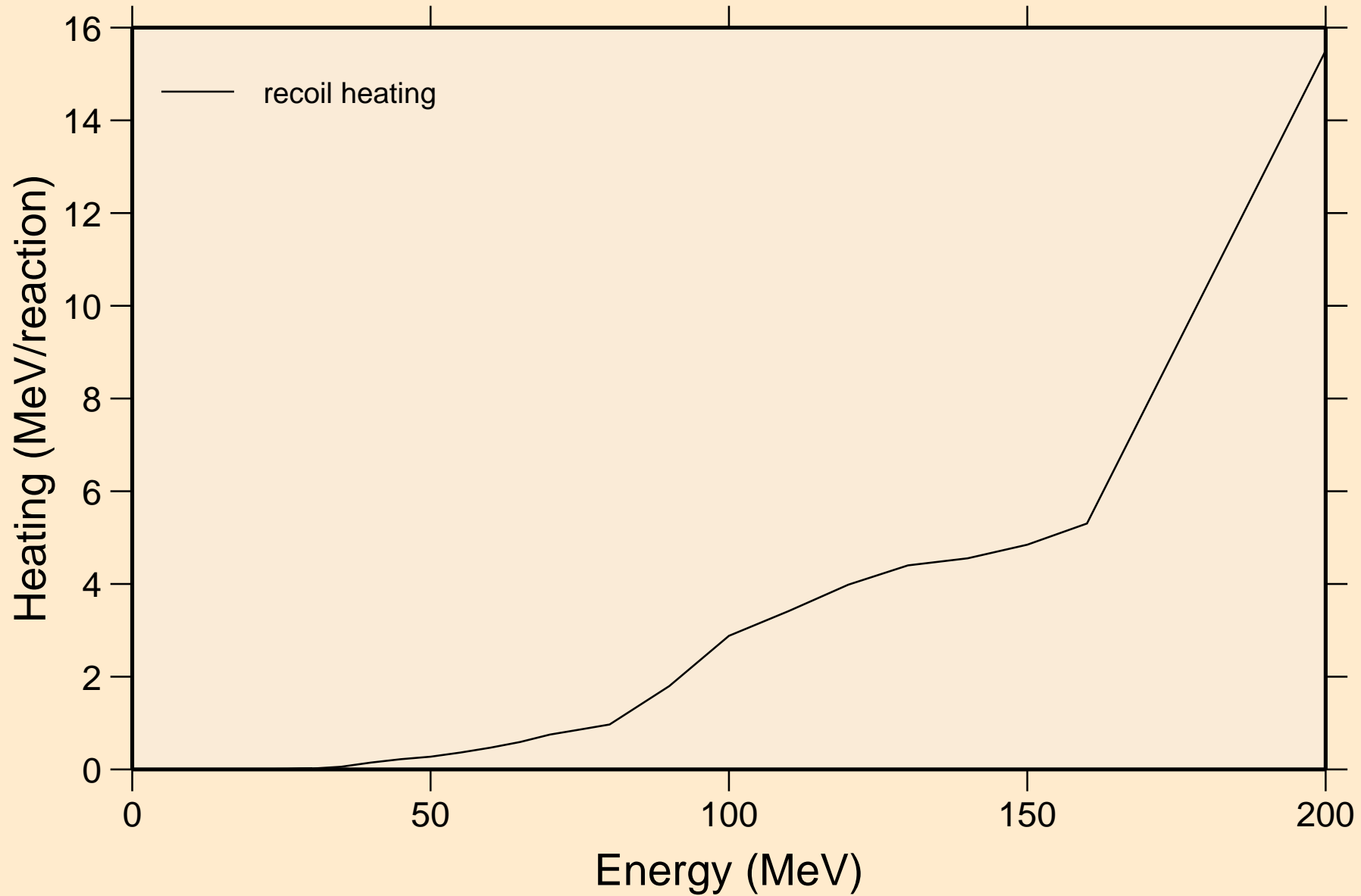


# EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

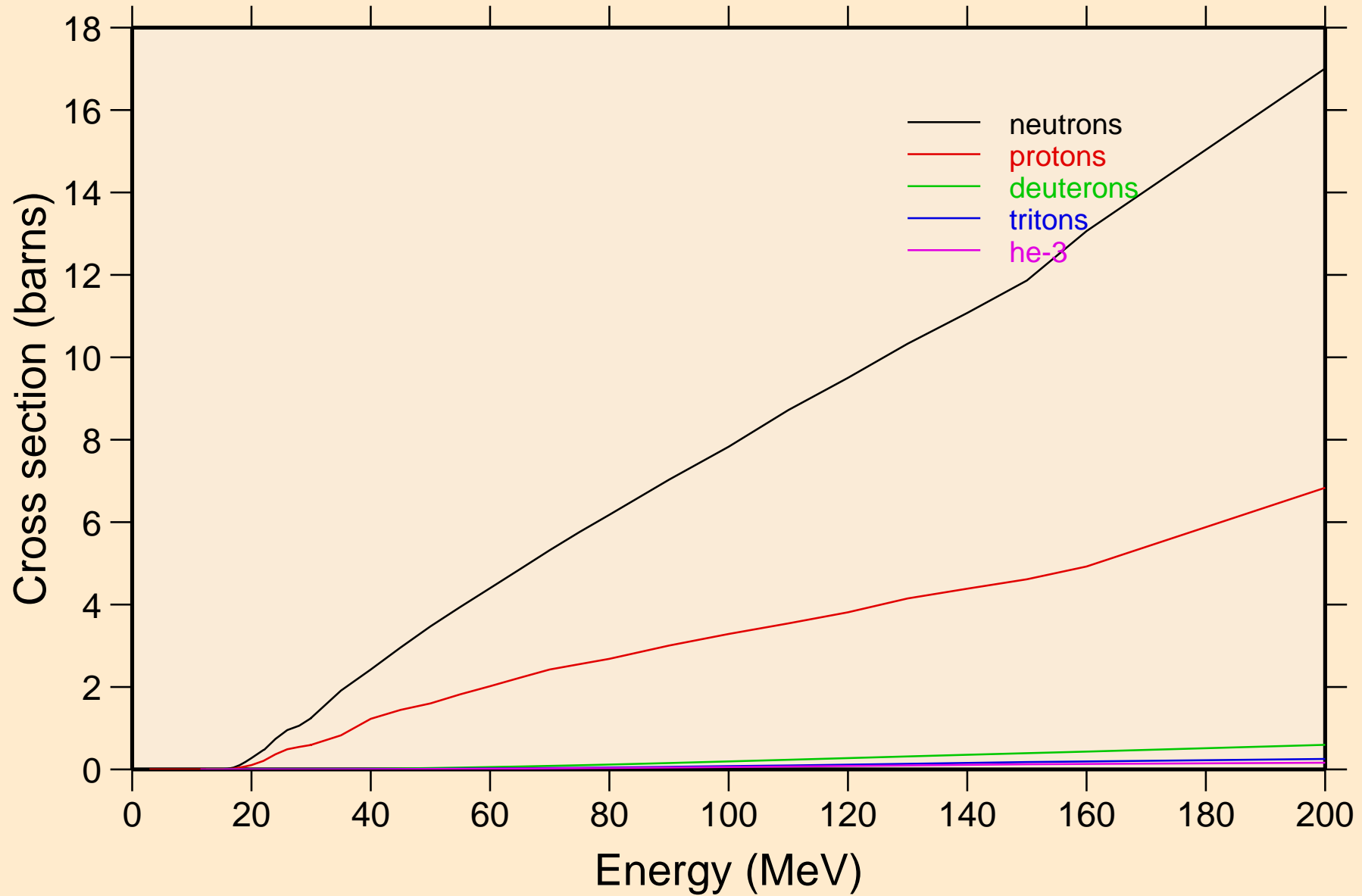
## Particle heating contributions



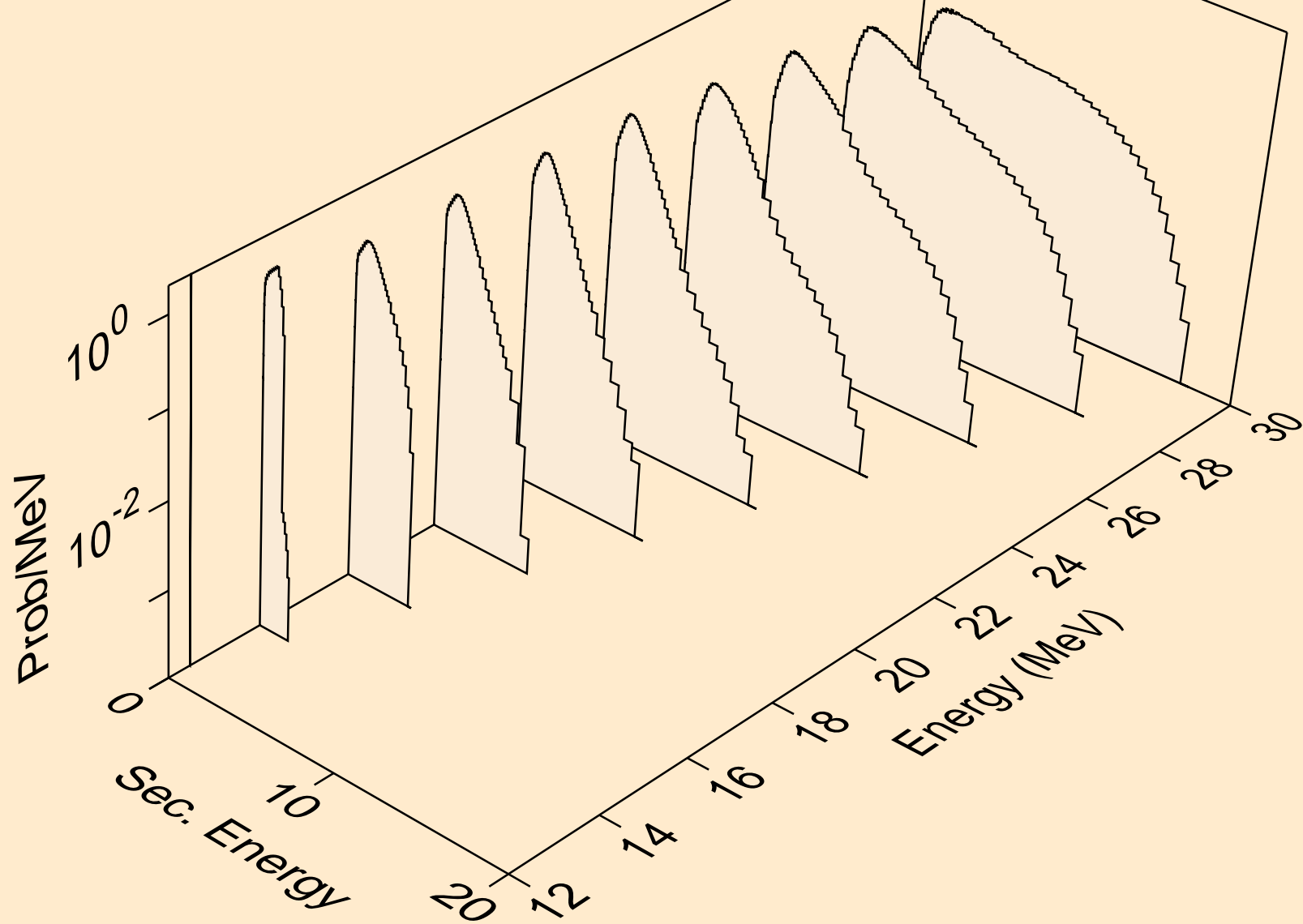
EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Recoil Heating



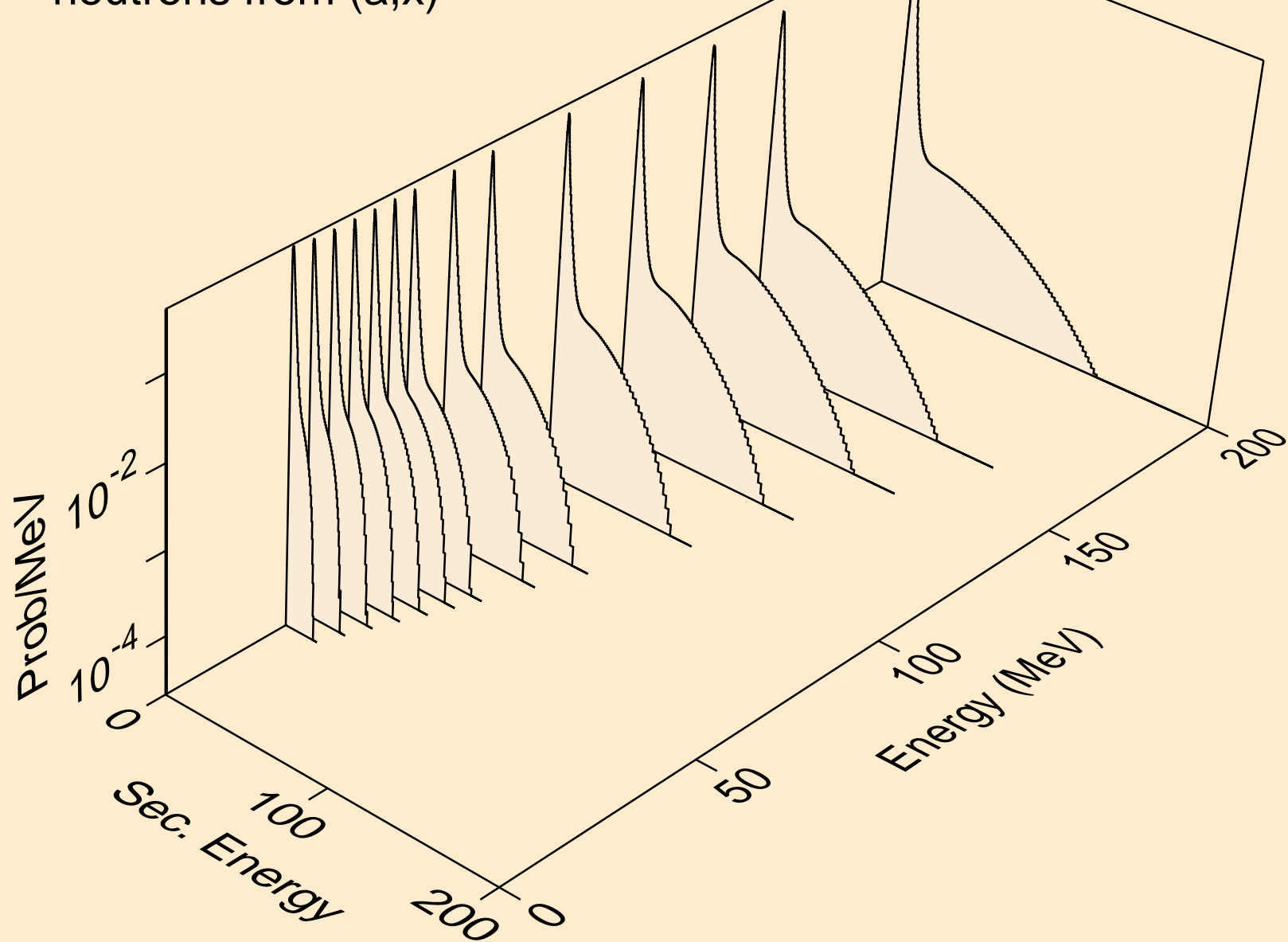
EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Particle production cross sections



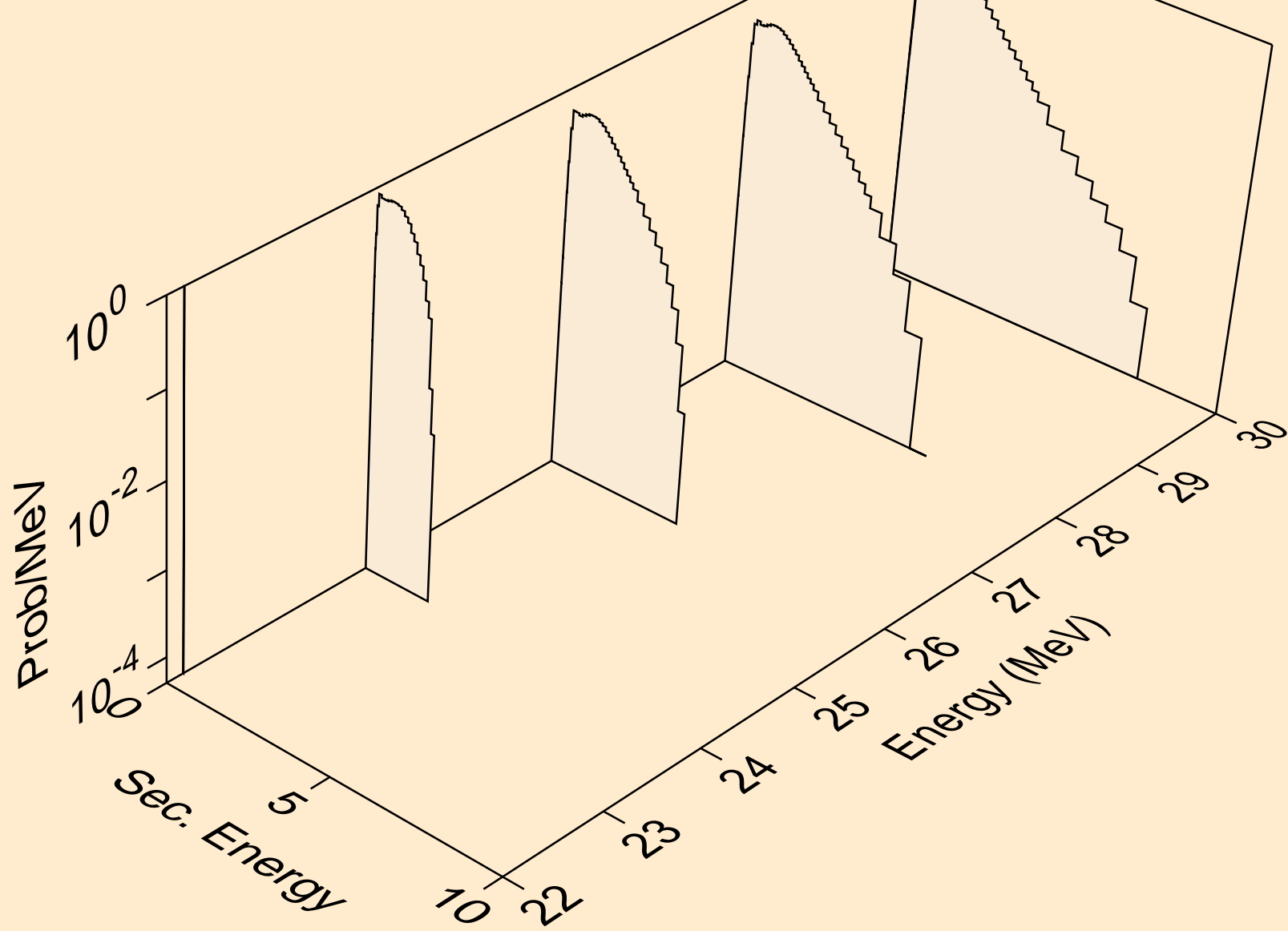
EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n)



EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,x)

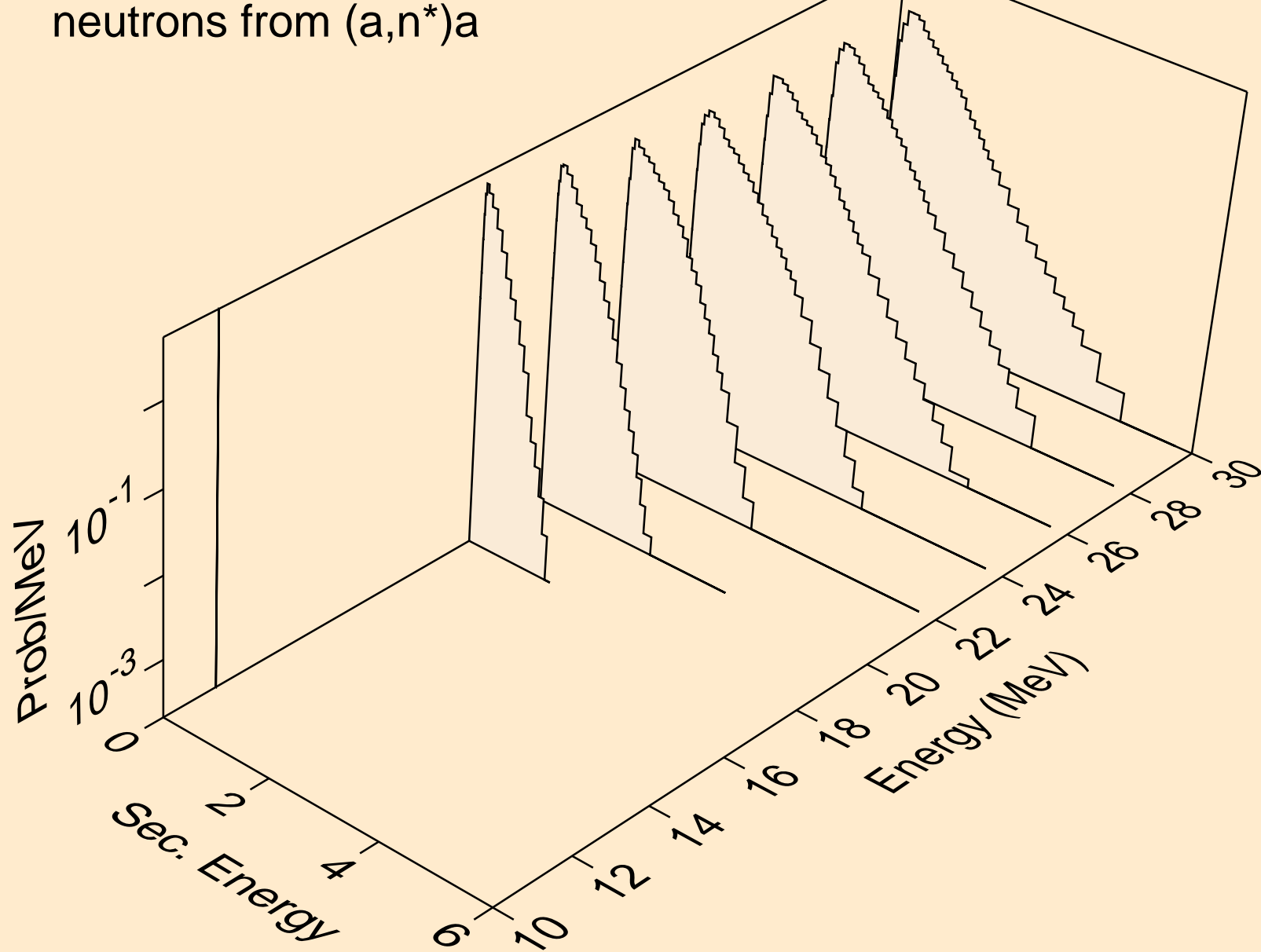


EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,2n)

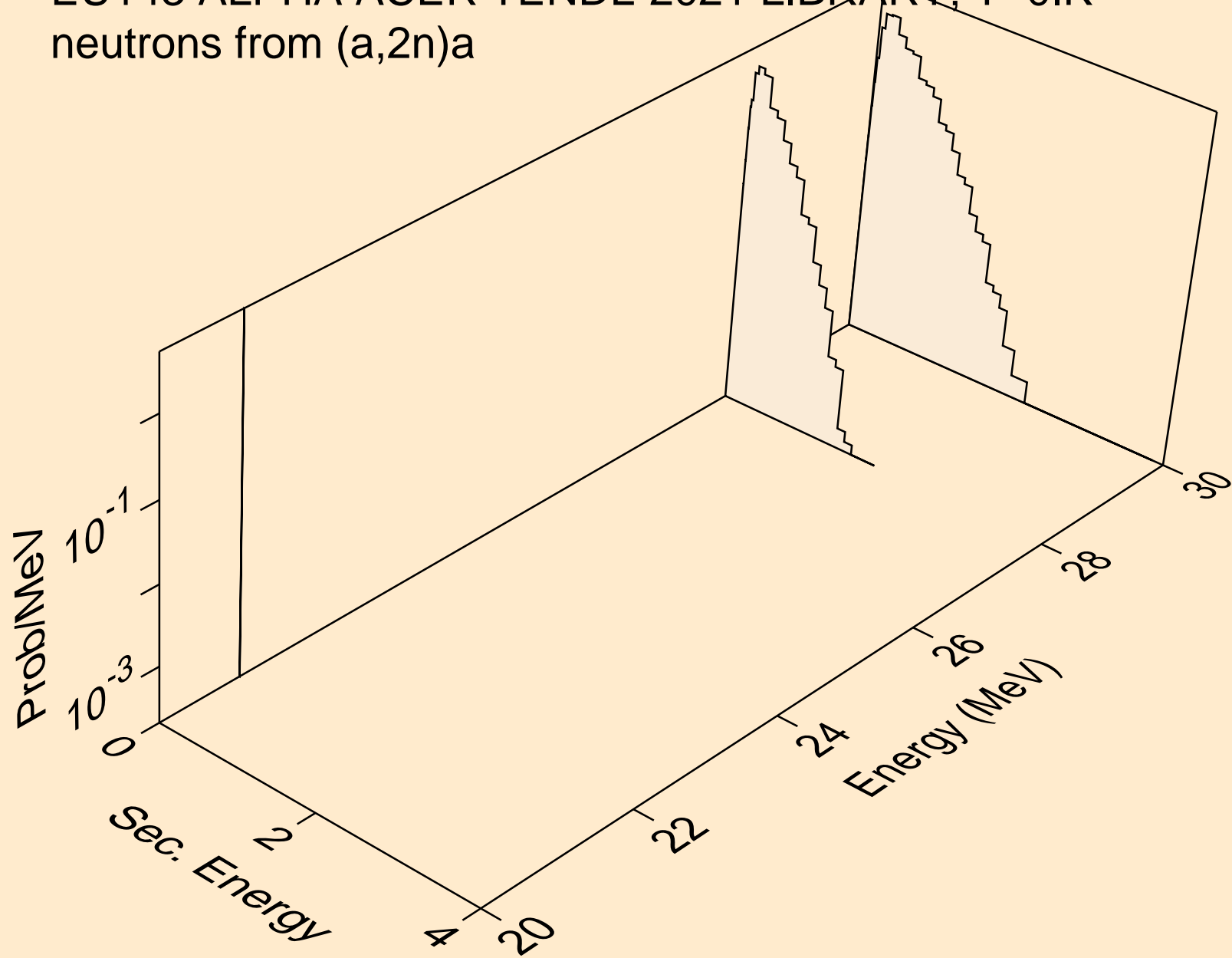




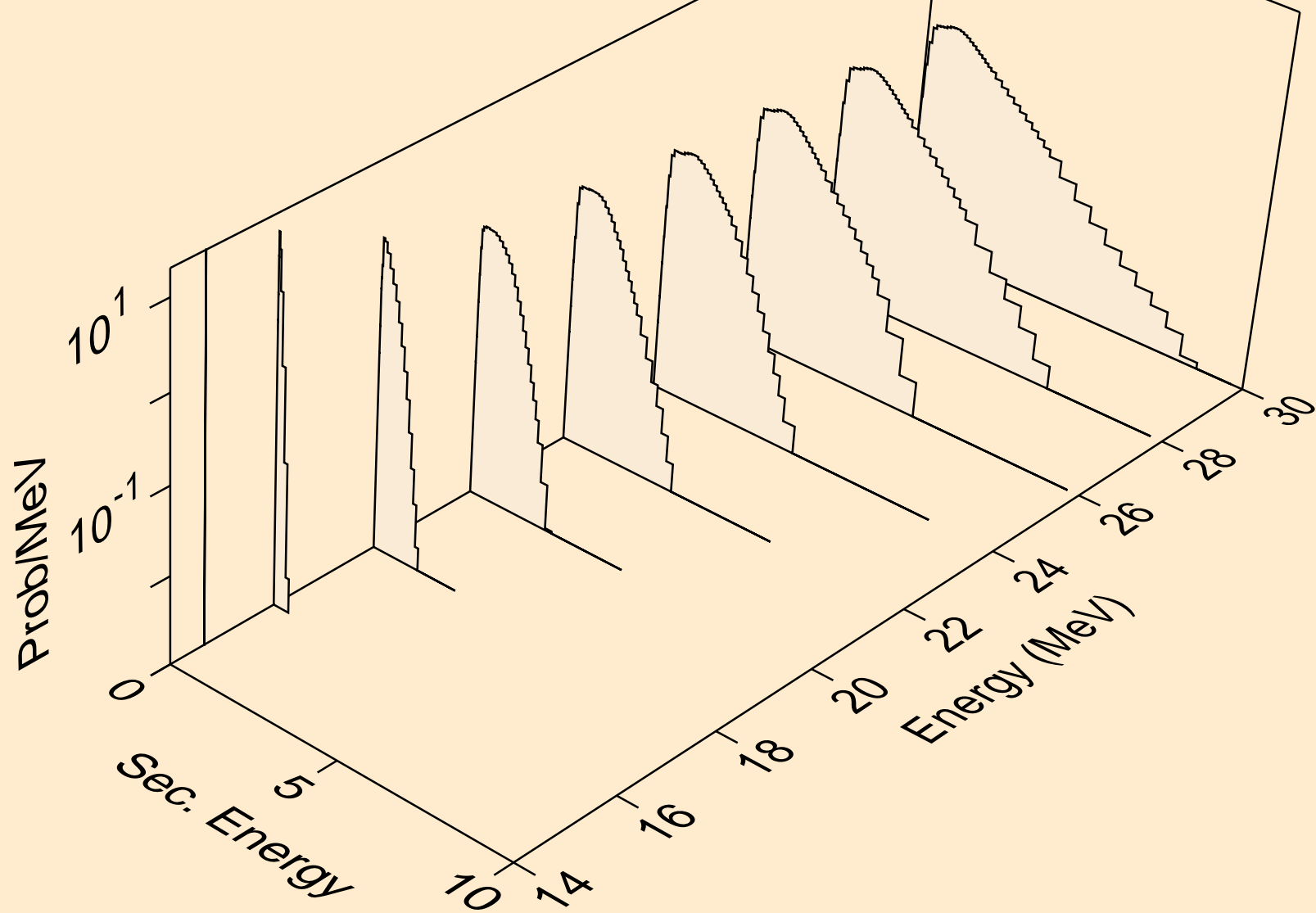
EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)a



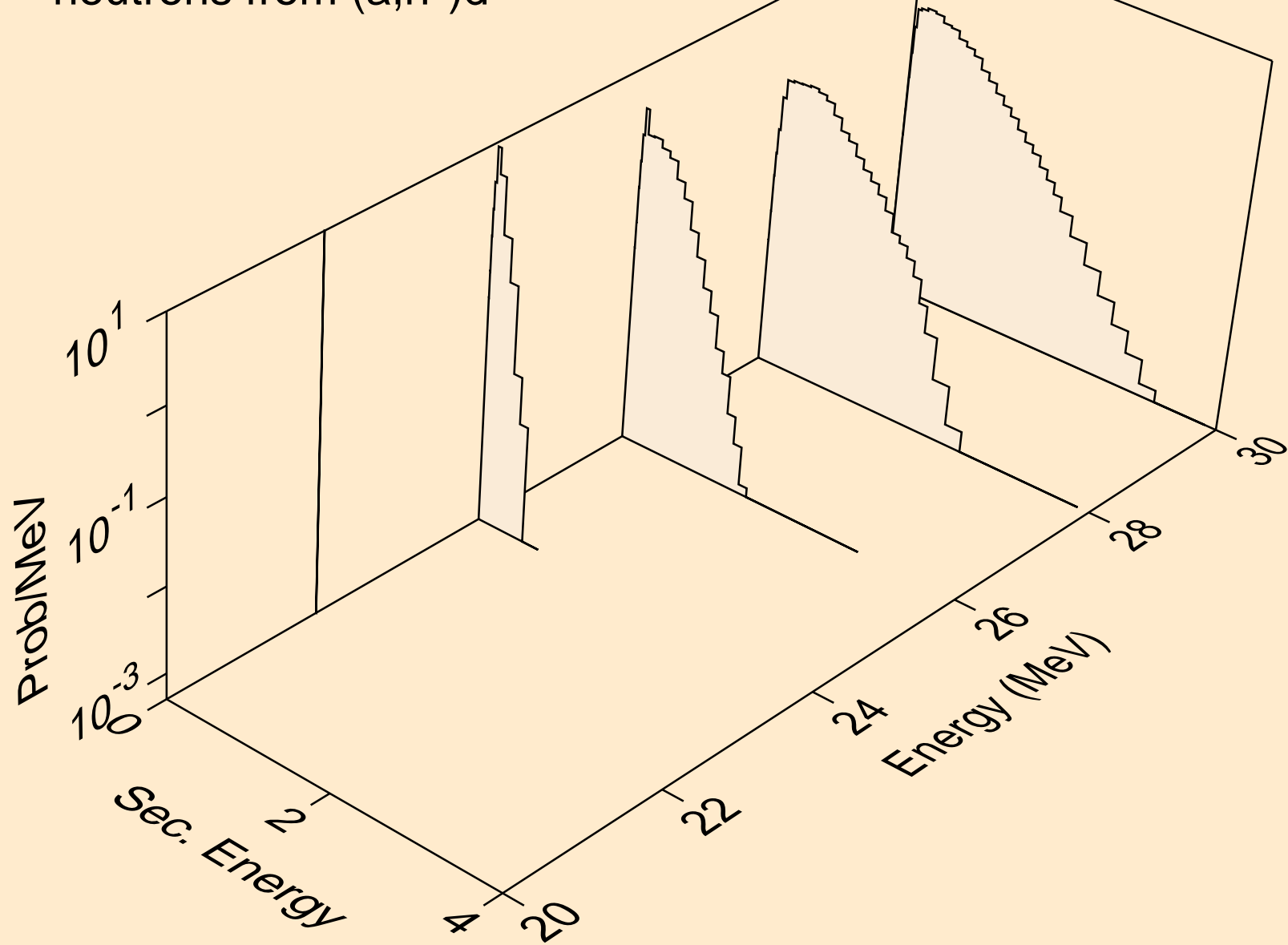
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neutrons from (a,2n)a



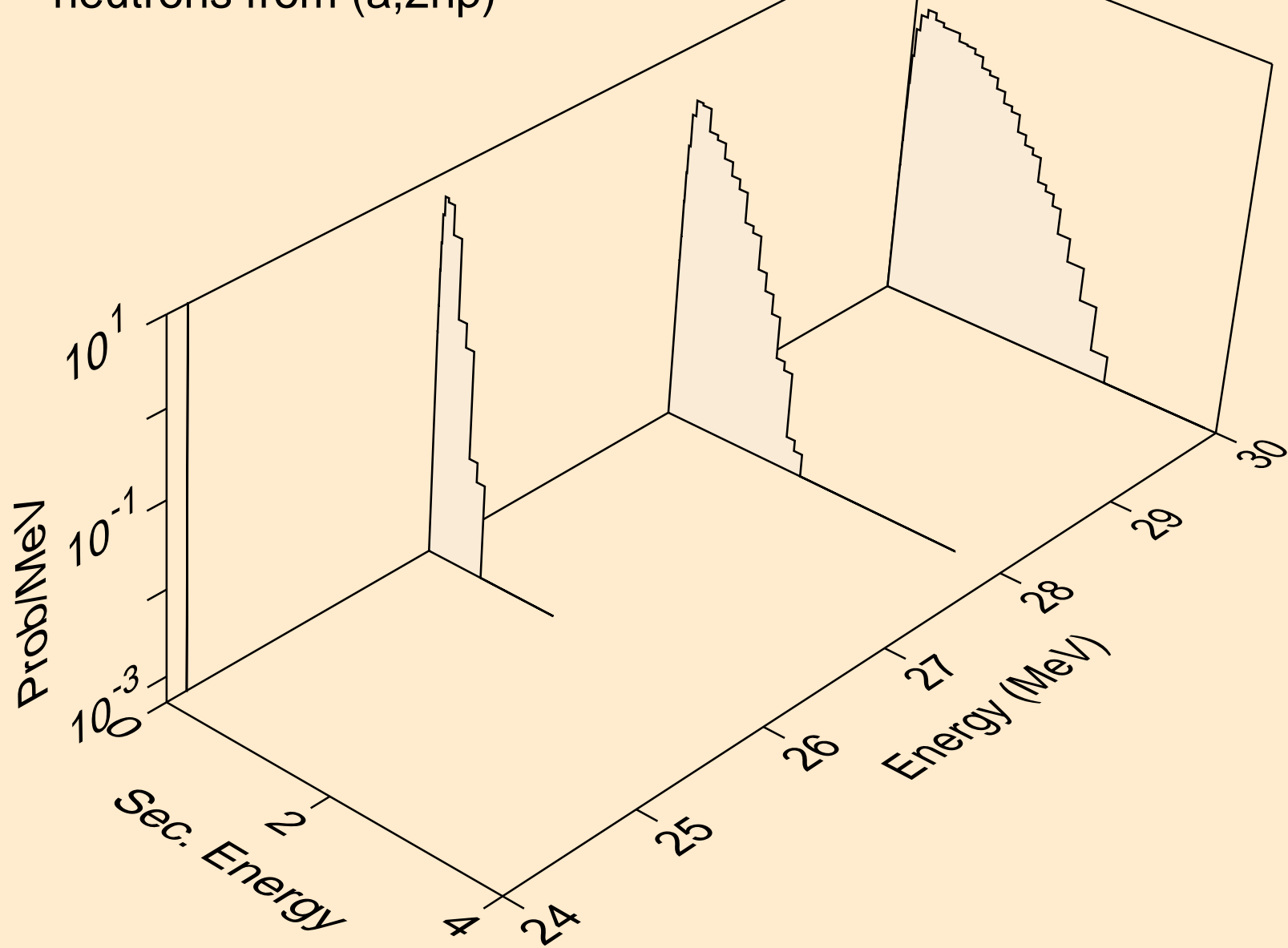
EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)p



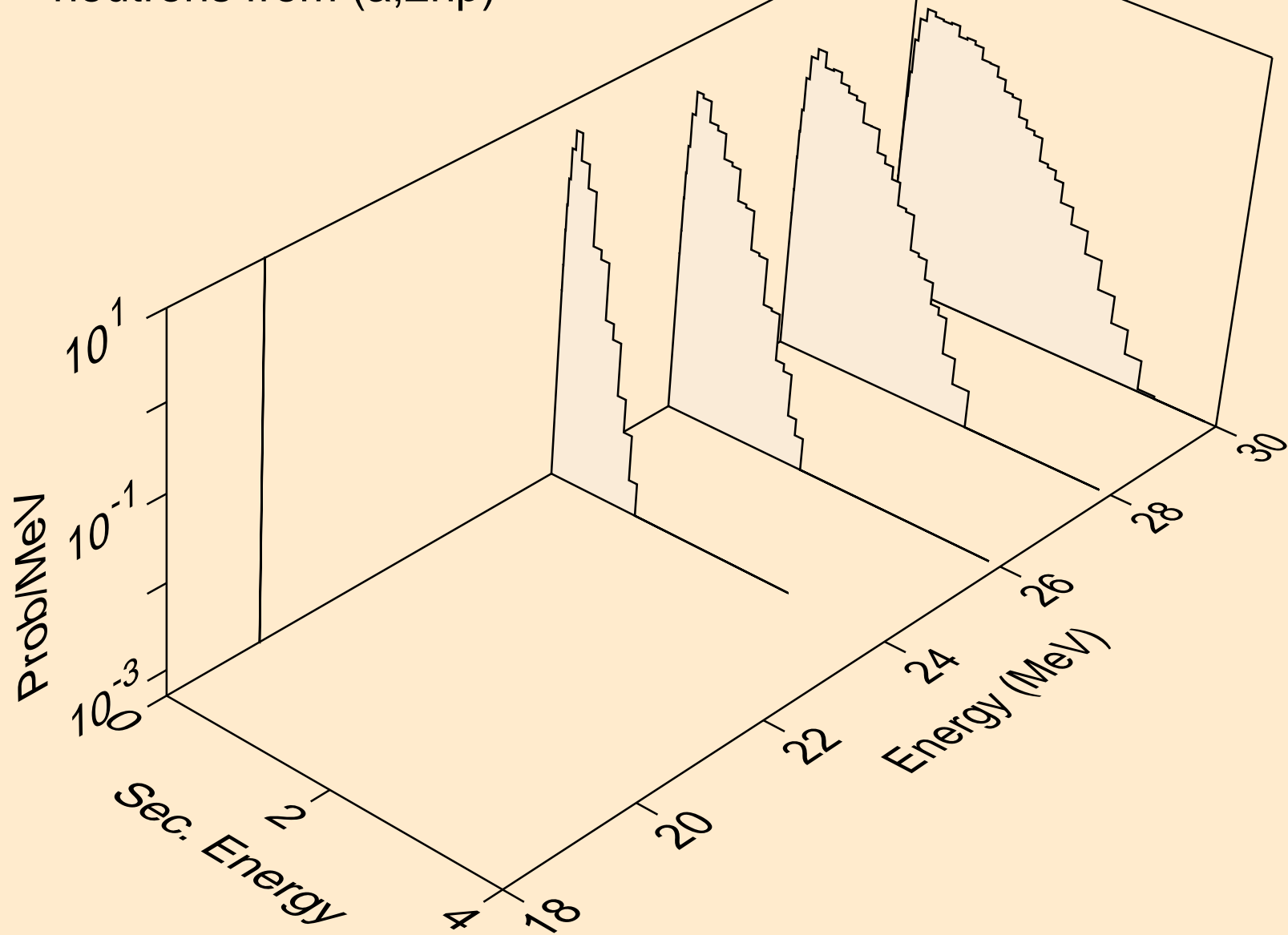
EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)d



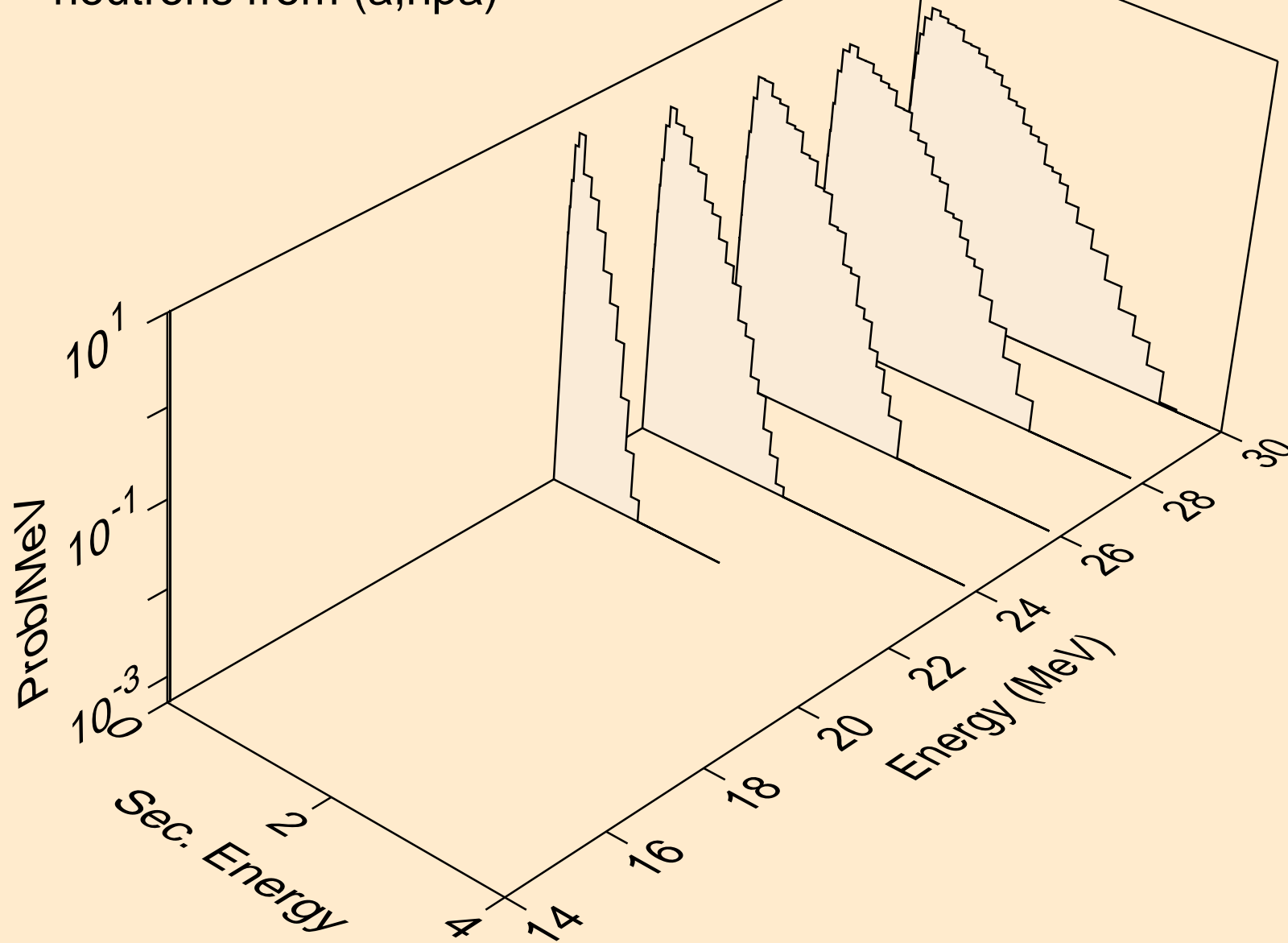
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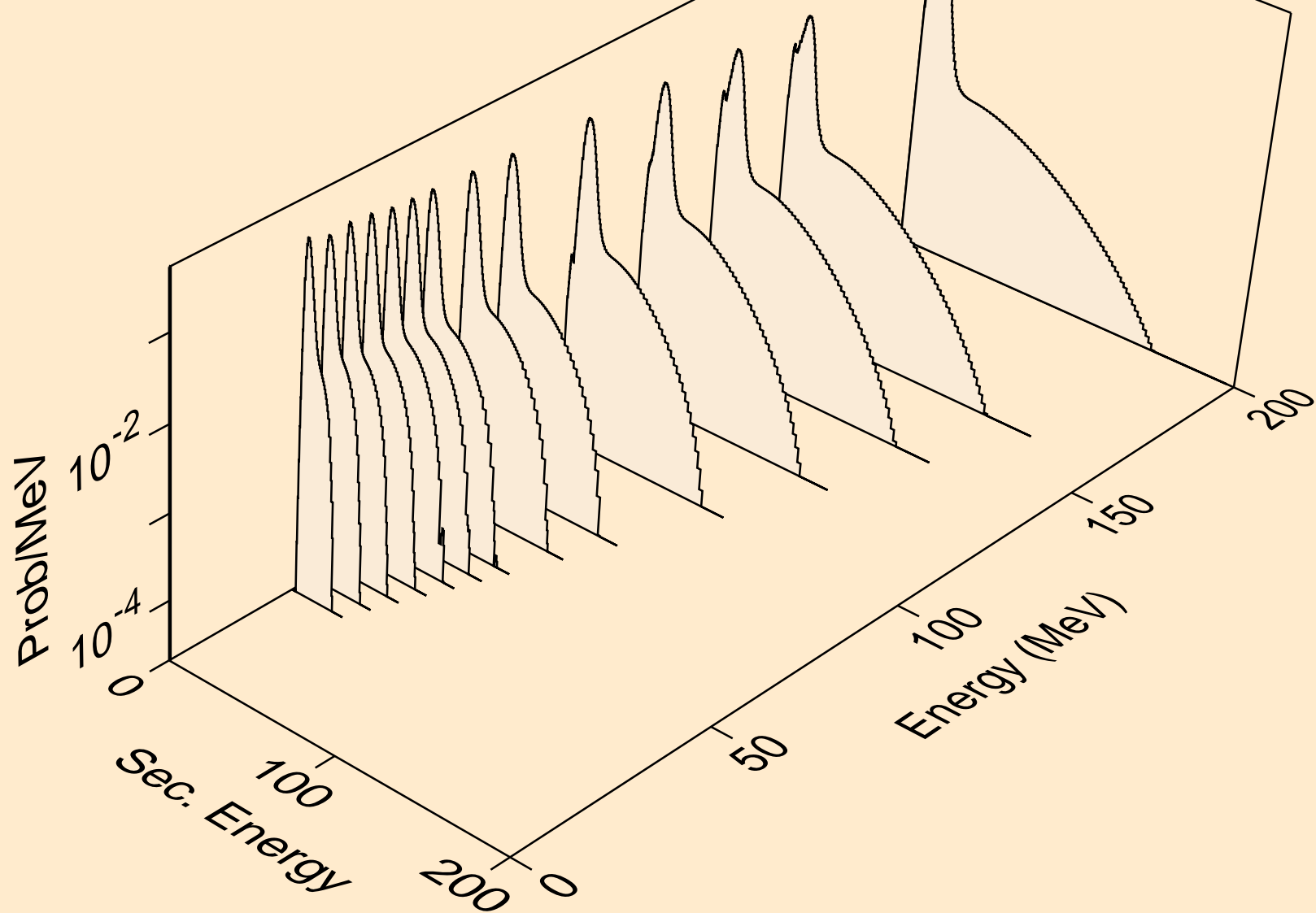
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neutrons from (a,2np)



EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,npa)

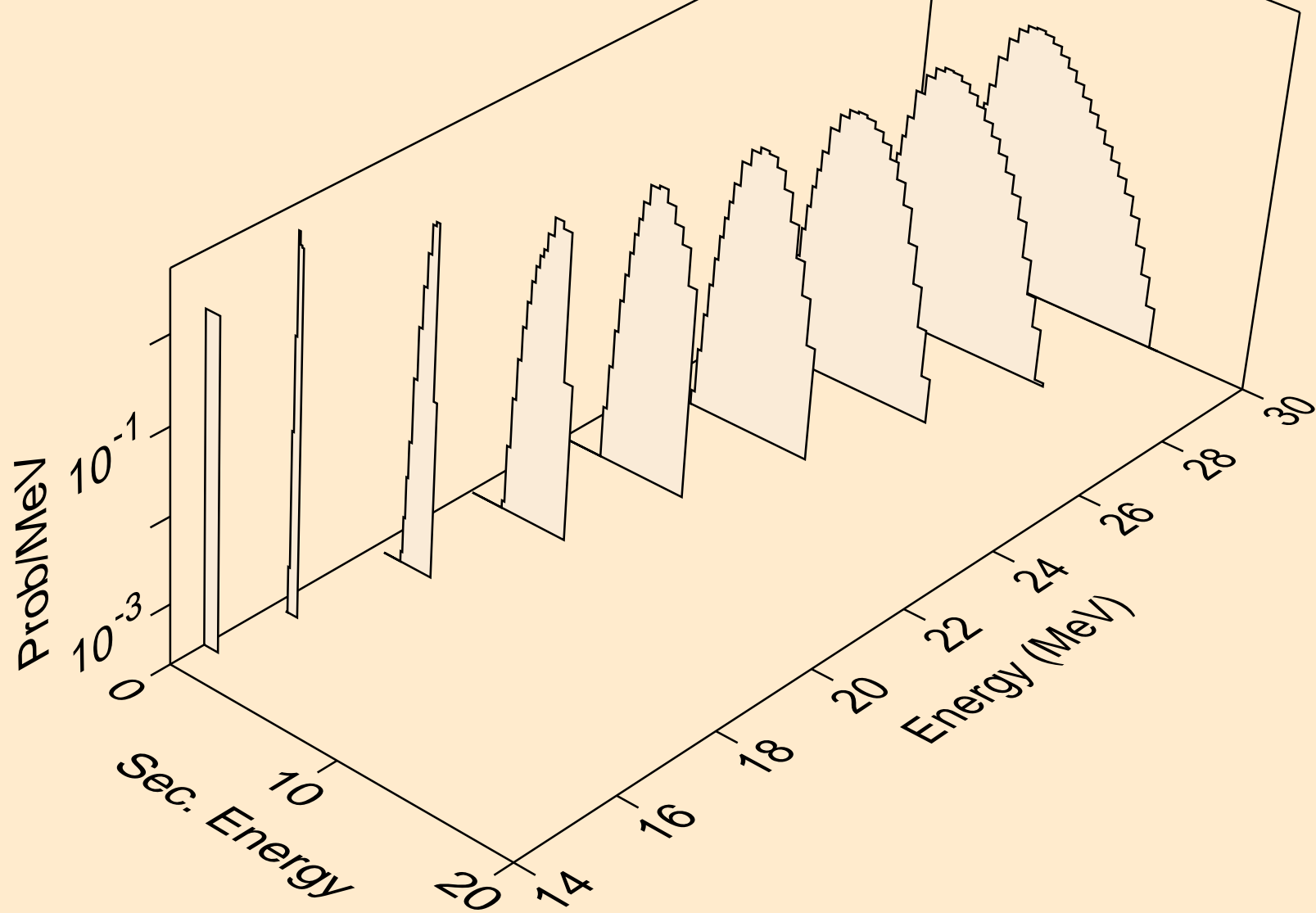


EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,x)

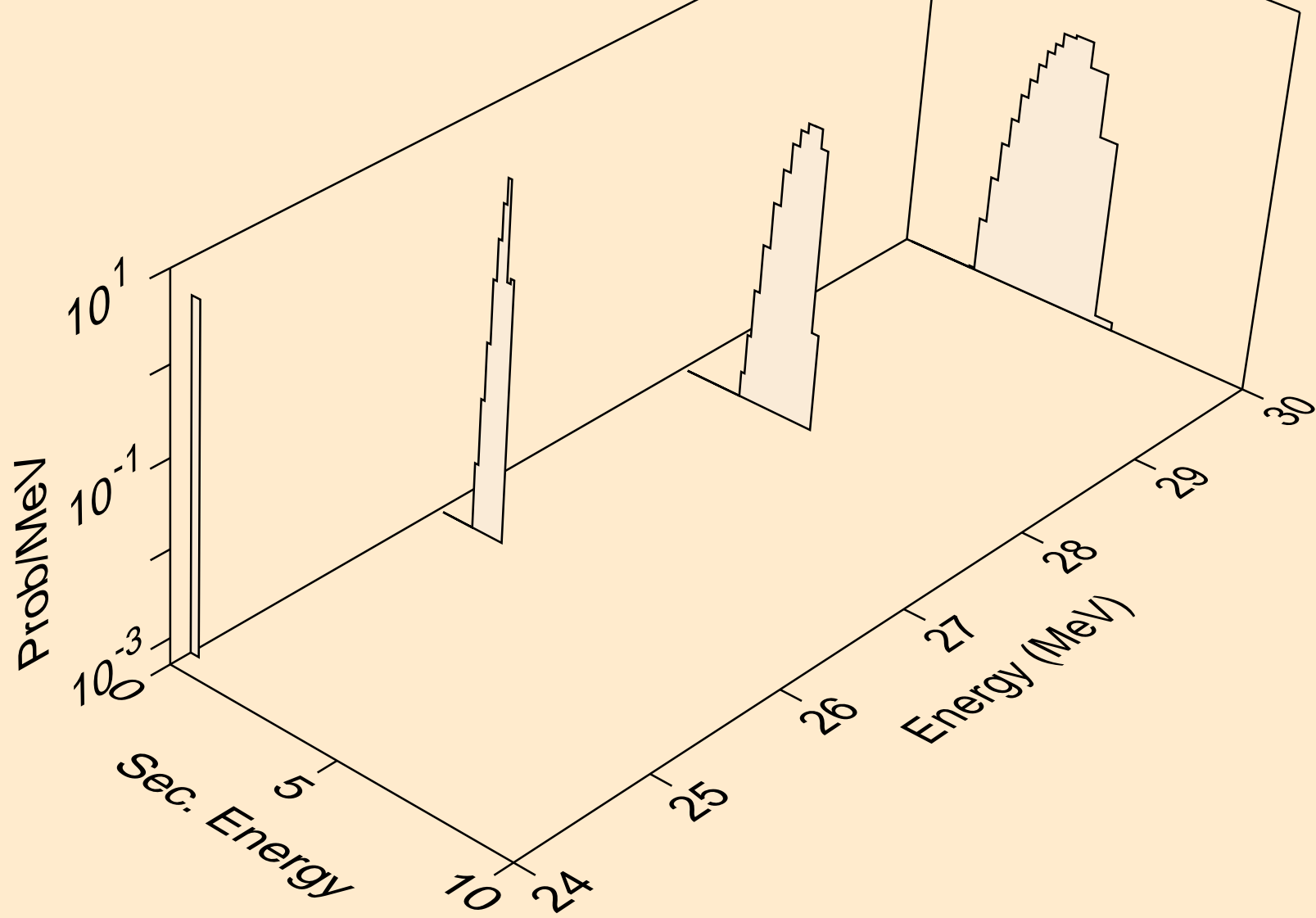




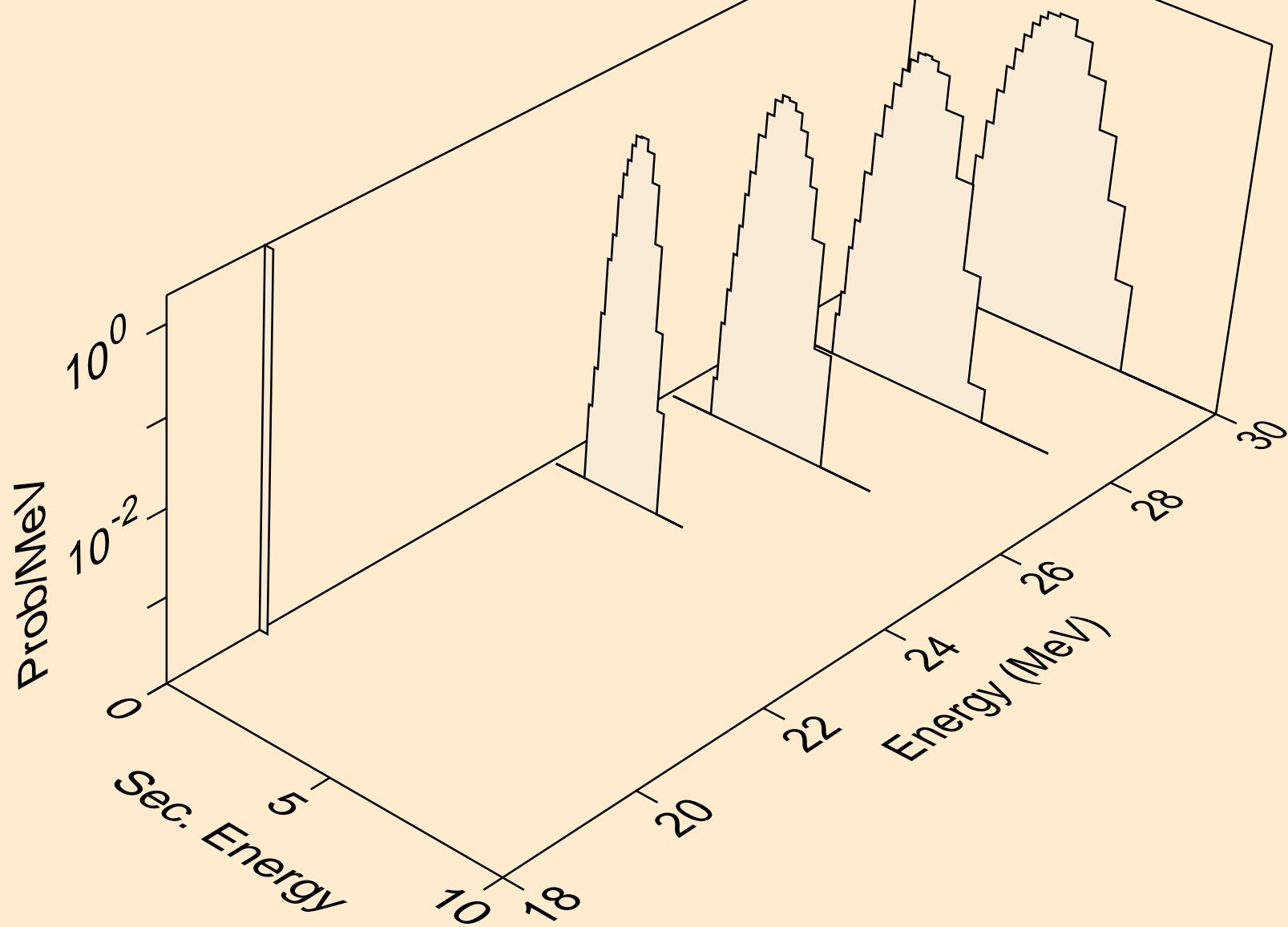
EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,n\*)p



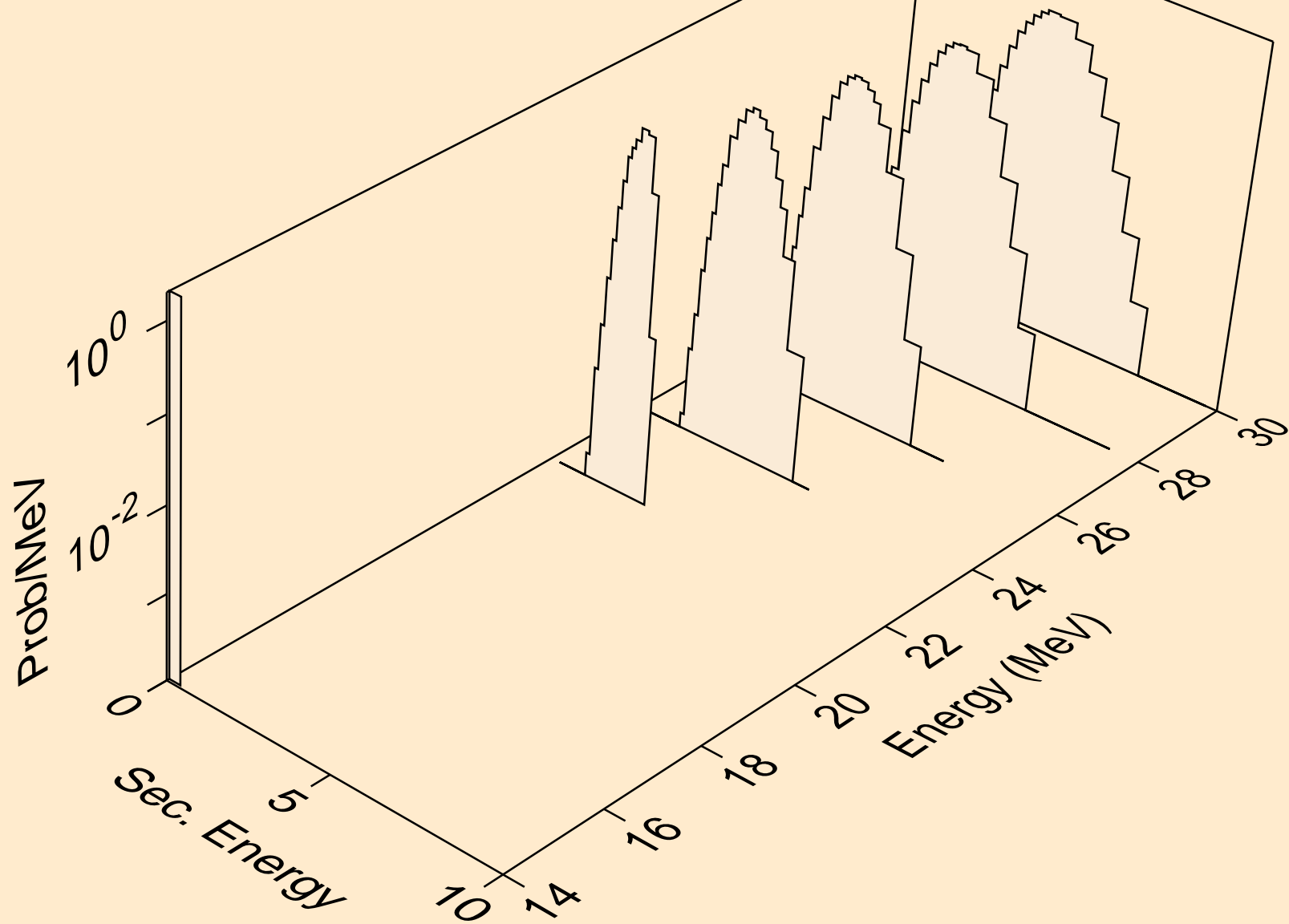
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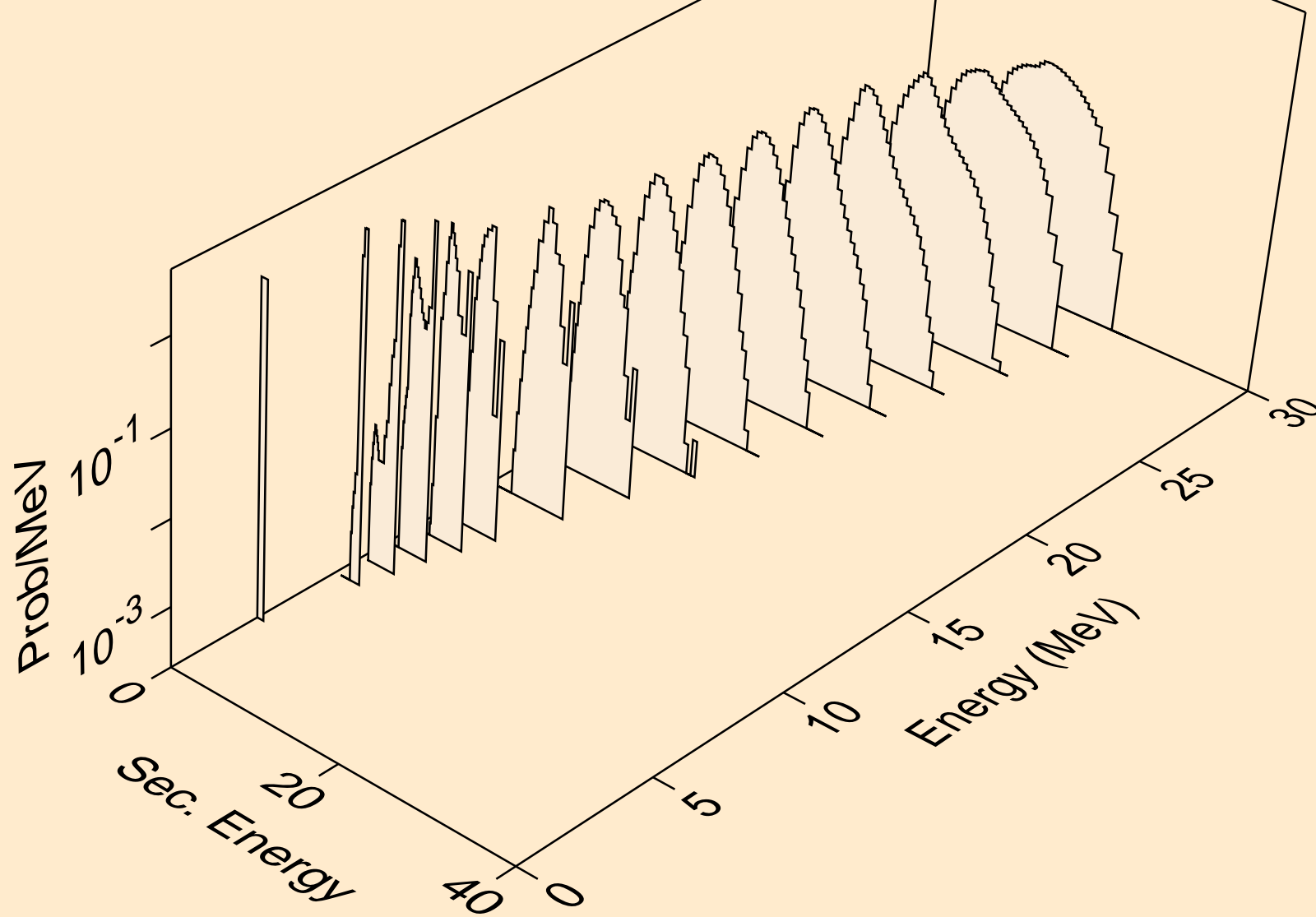
EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
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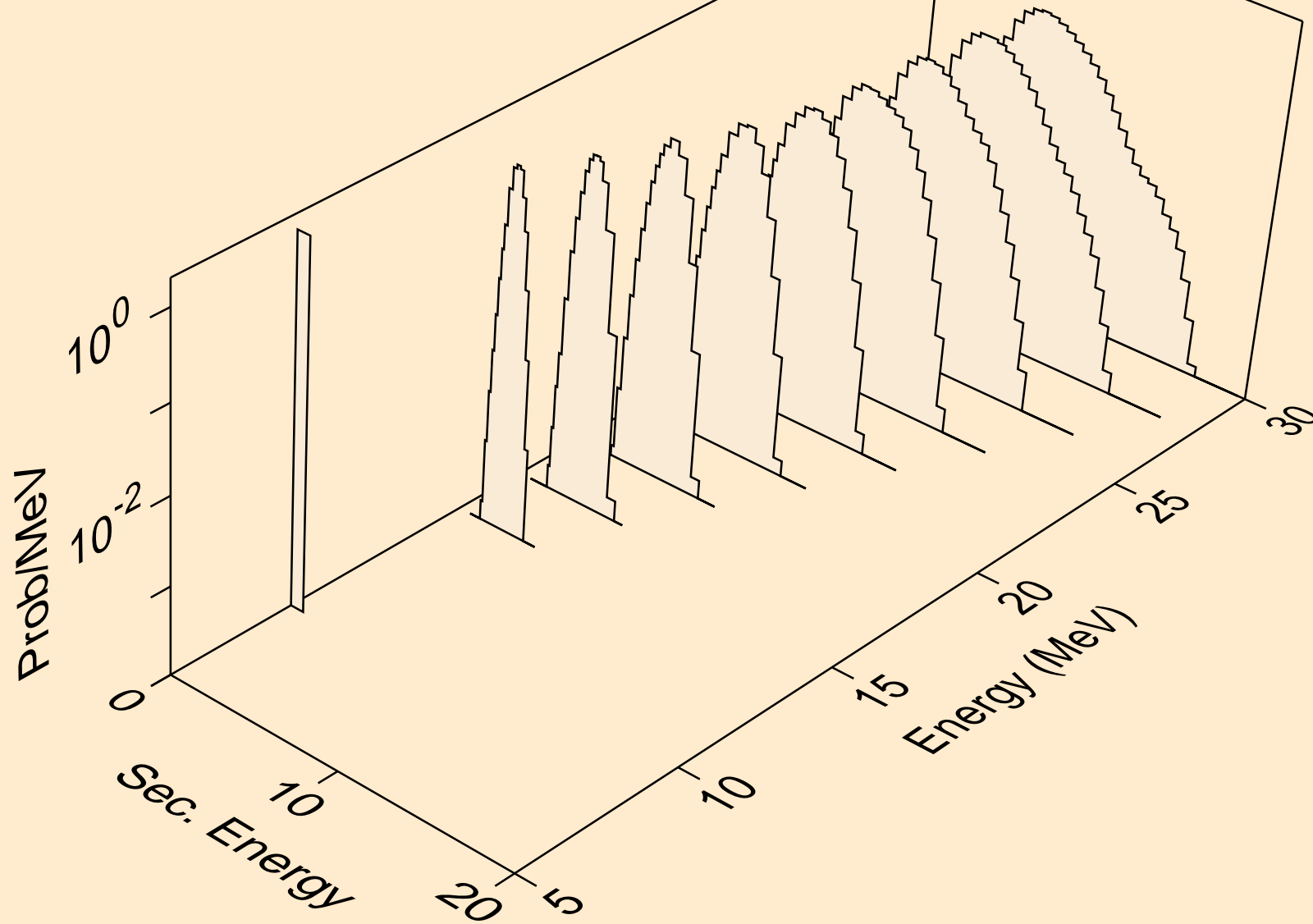
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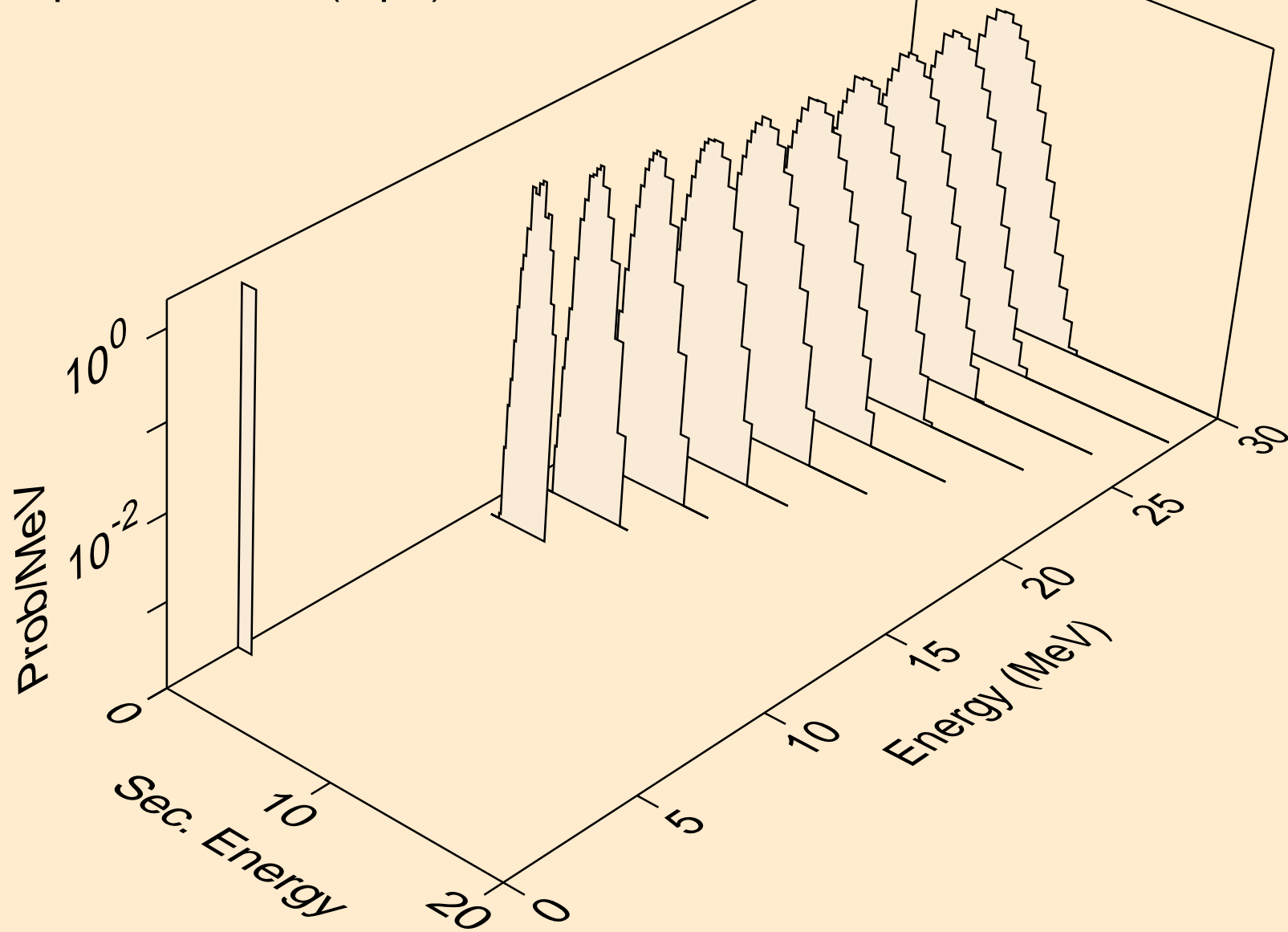
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protons from (a,p)



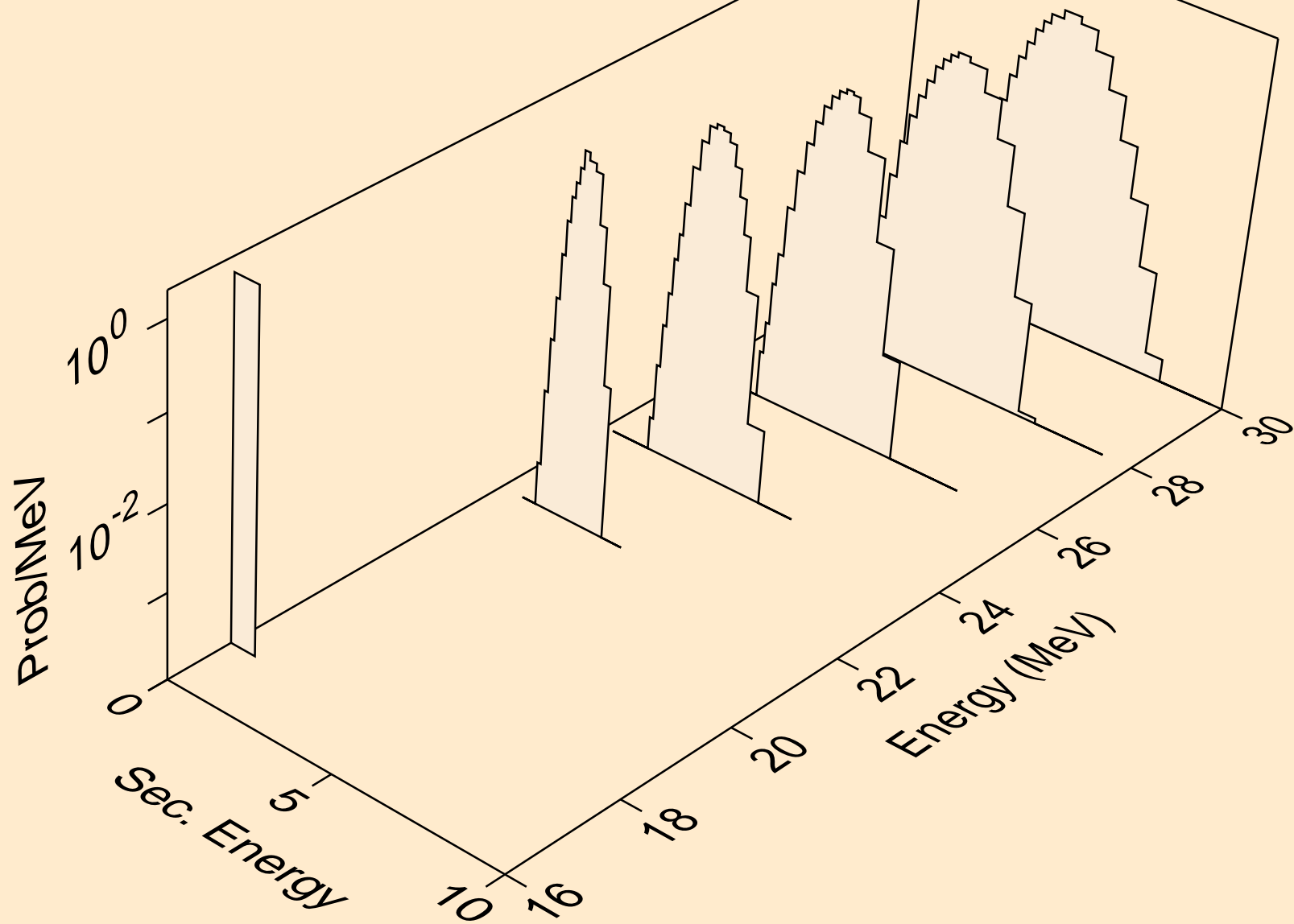
EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,2p)



EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,pa)

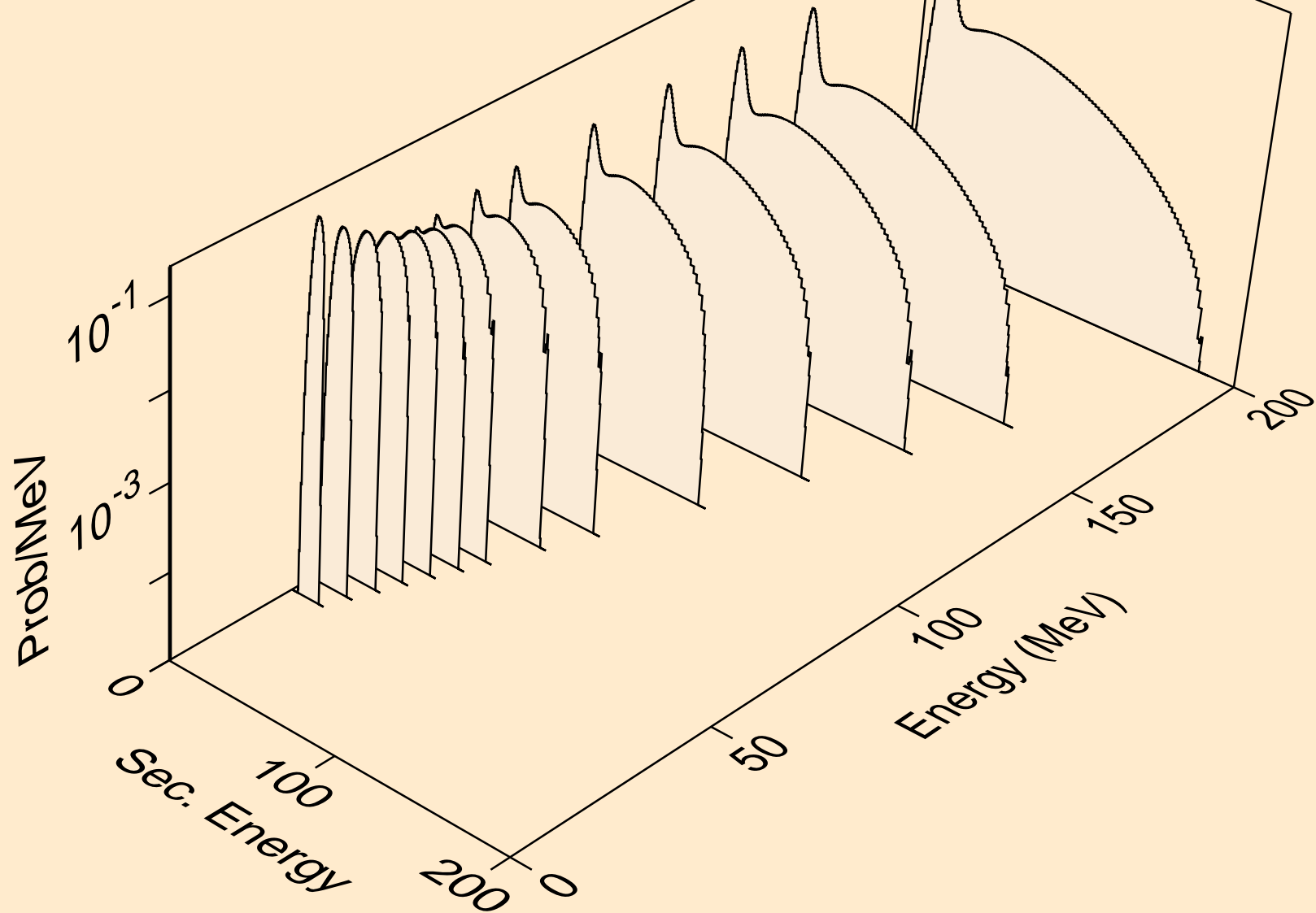


EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,pd)

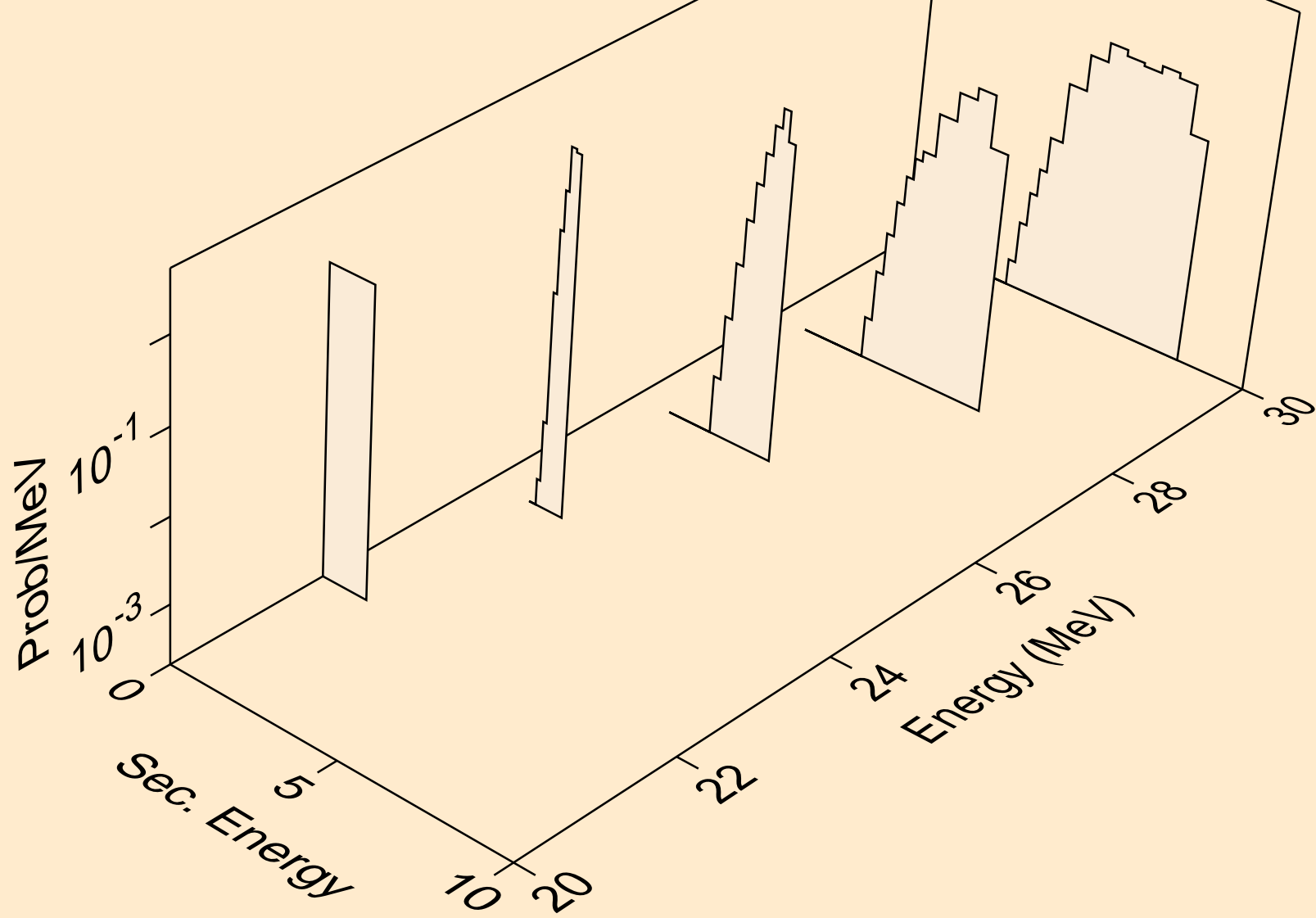




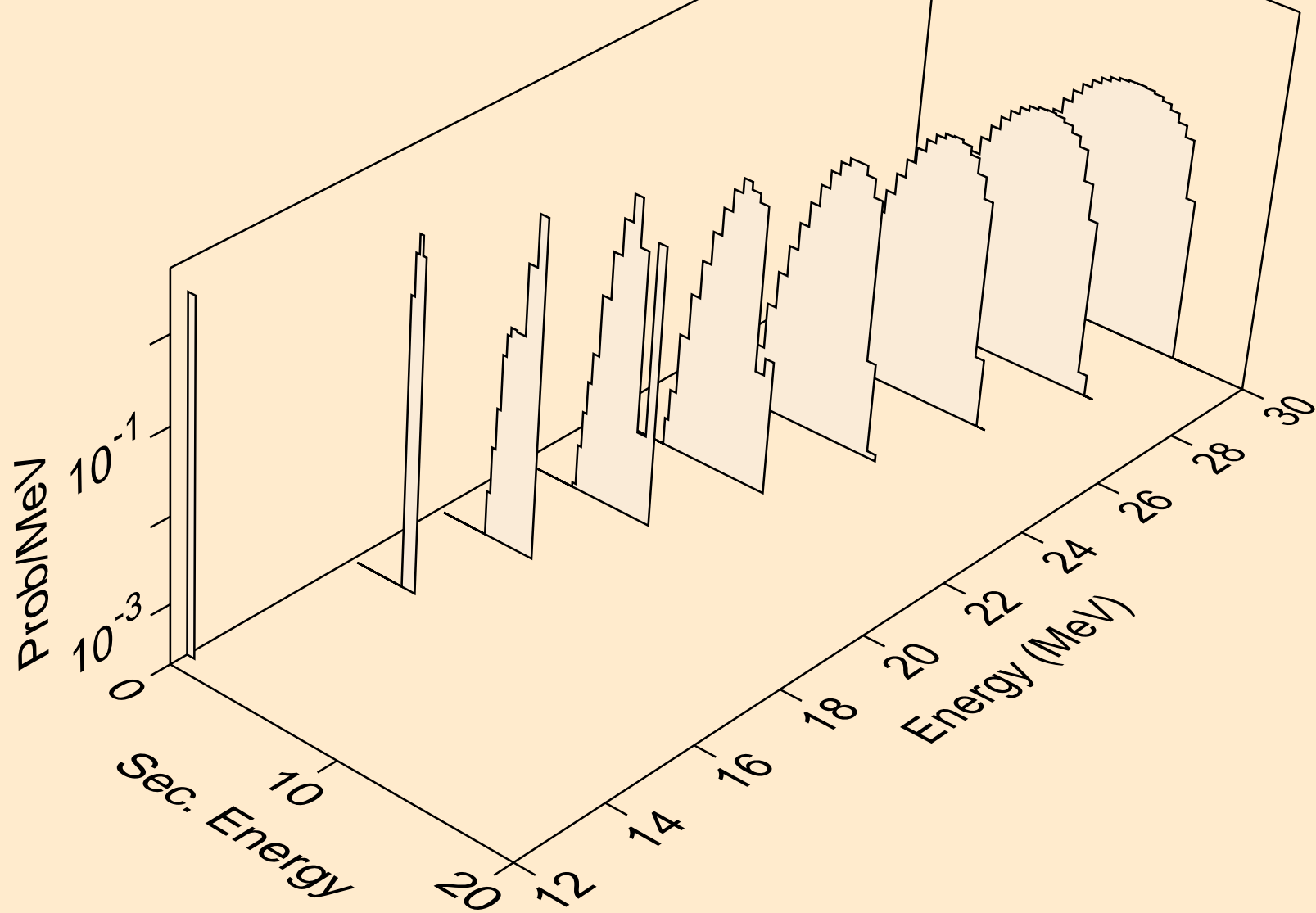
EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,x)



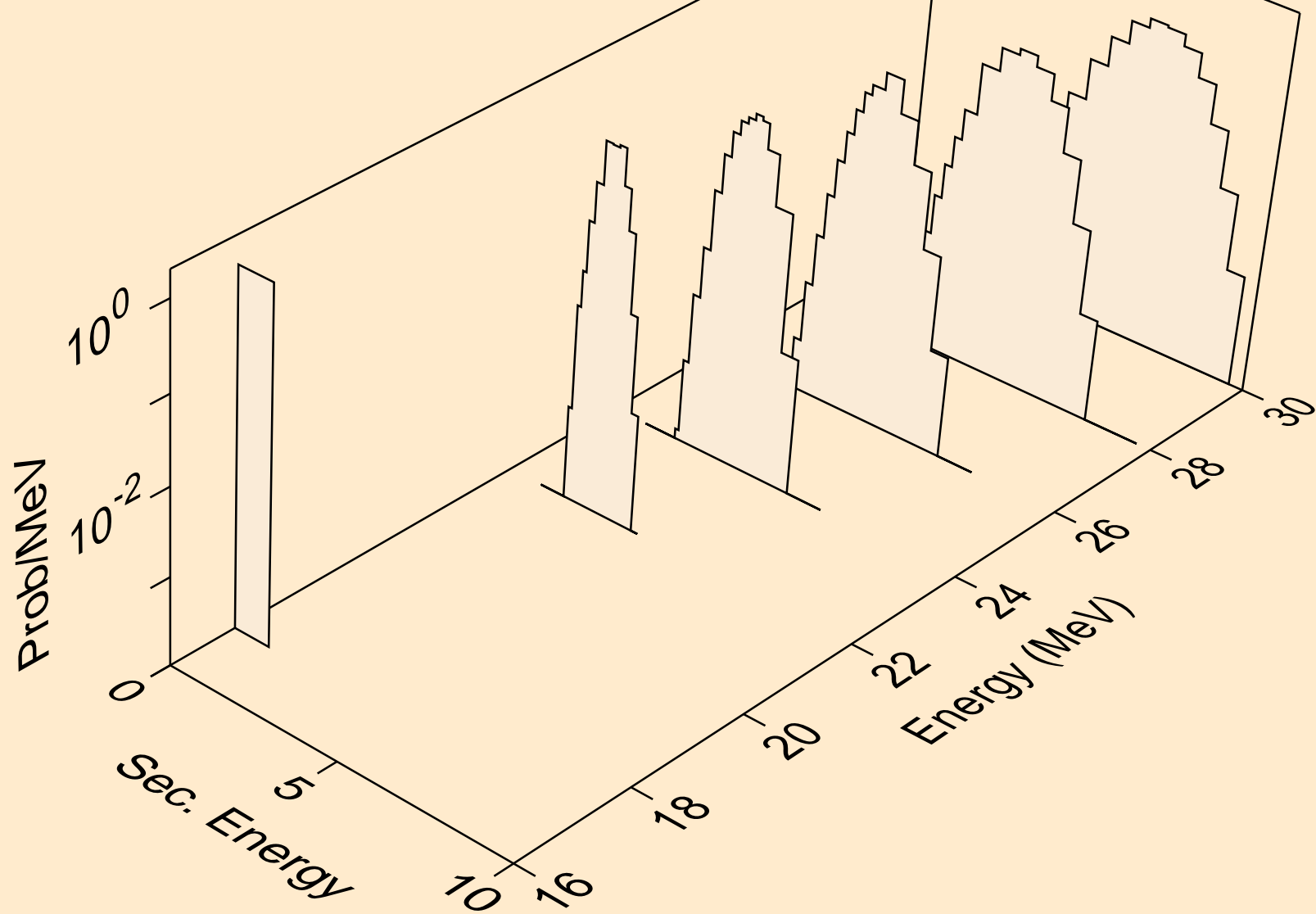
EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,n\*)d



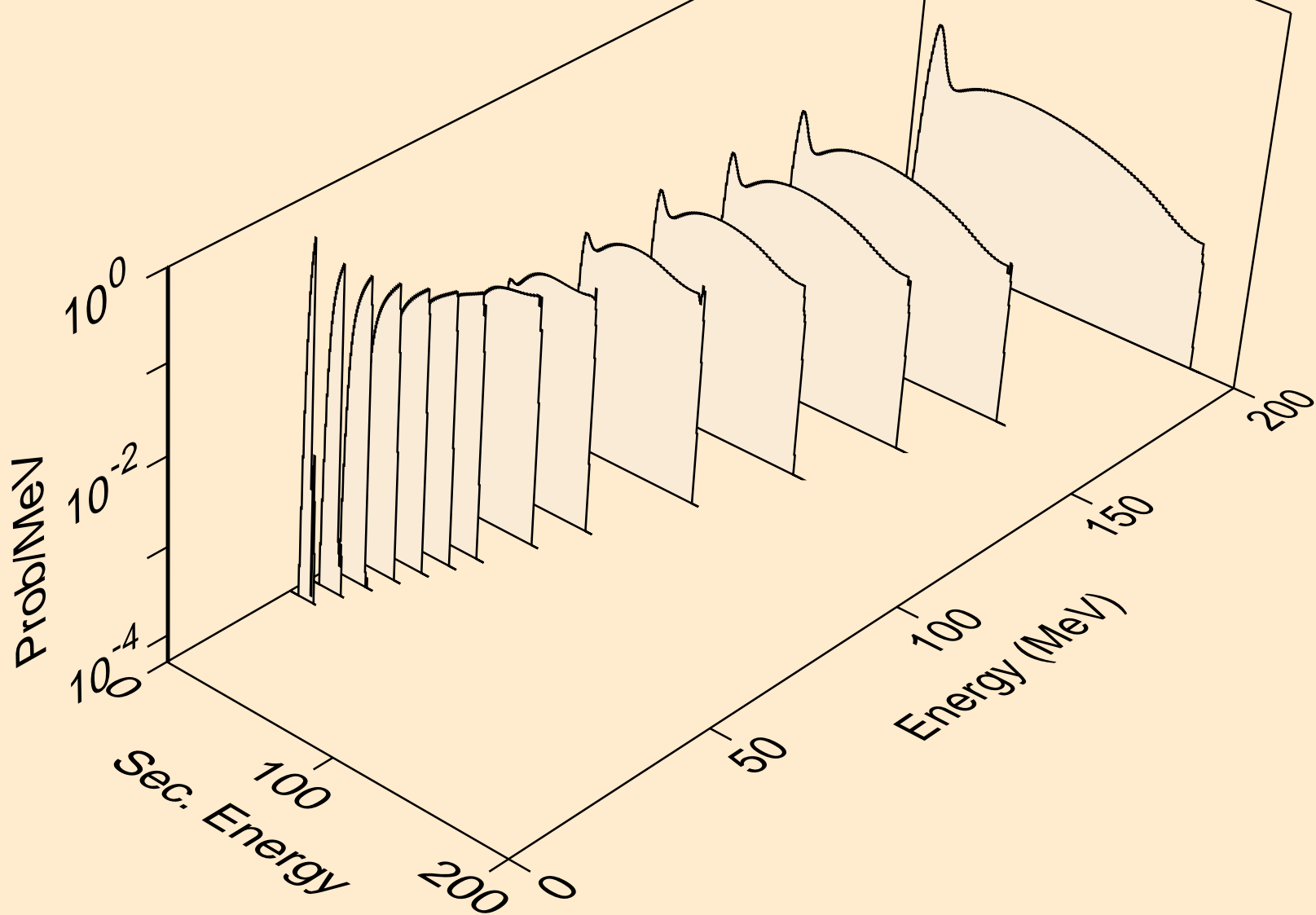
EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,d)



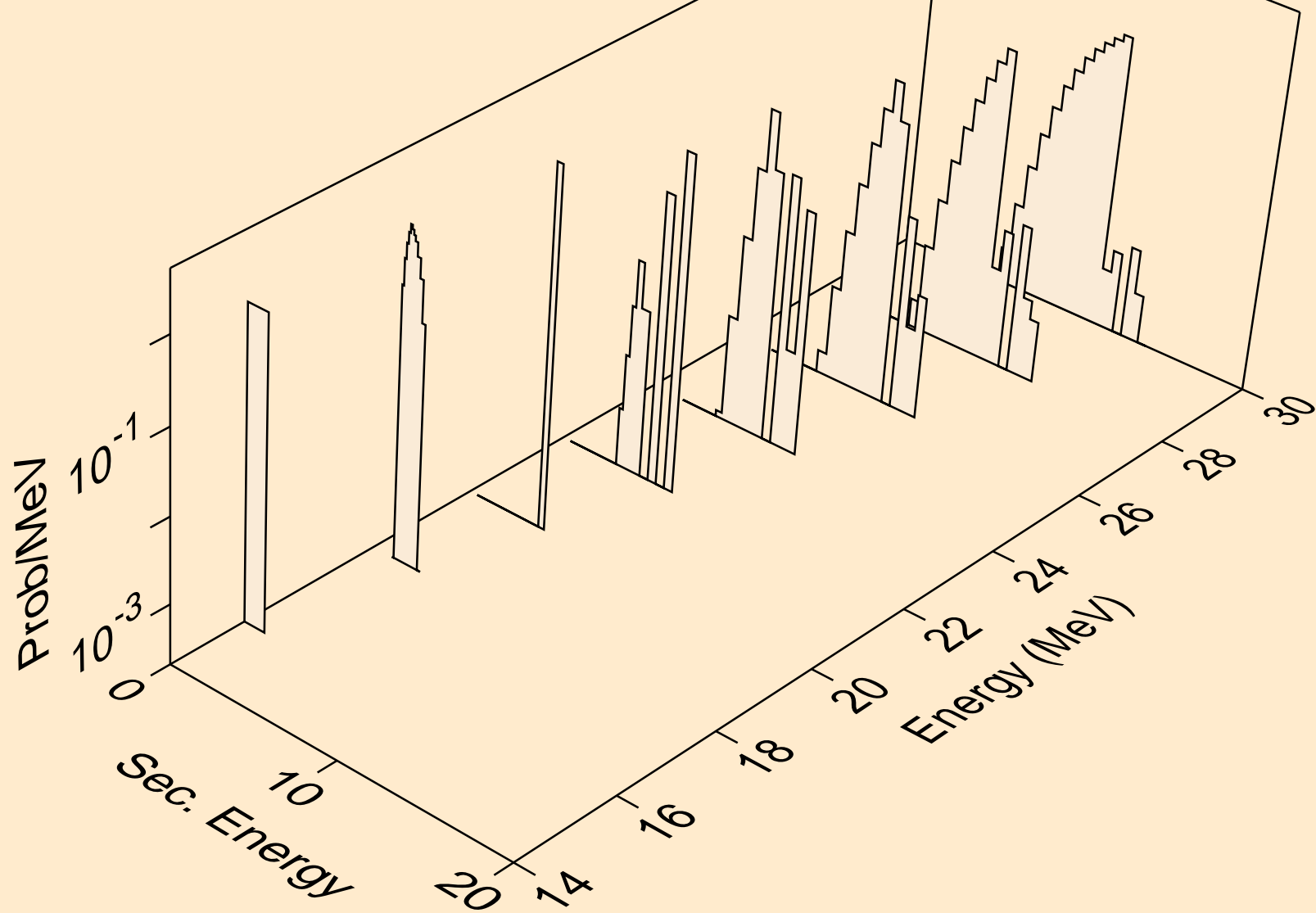
EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,pd)



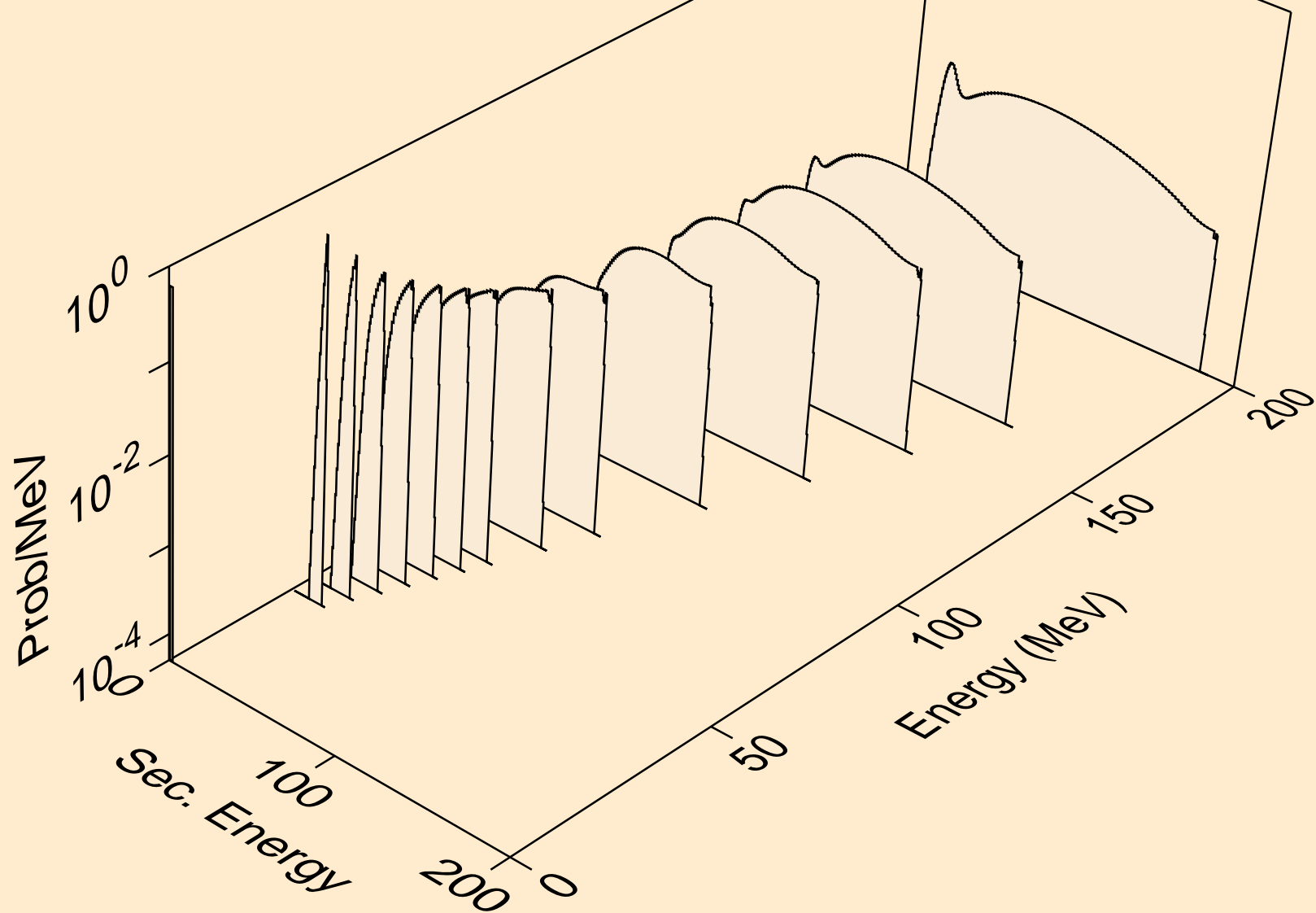
EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (a,x)



EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (a,t)



EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (a,x)



EU143 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (a,he3)

