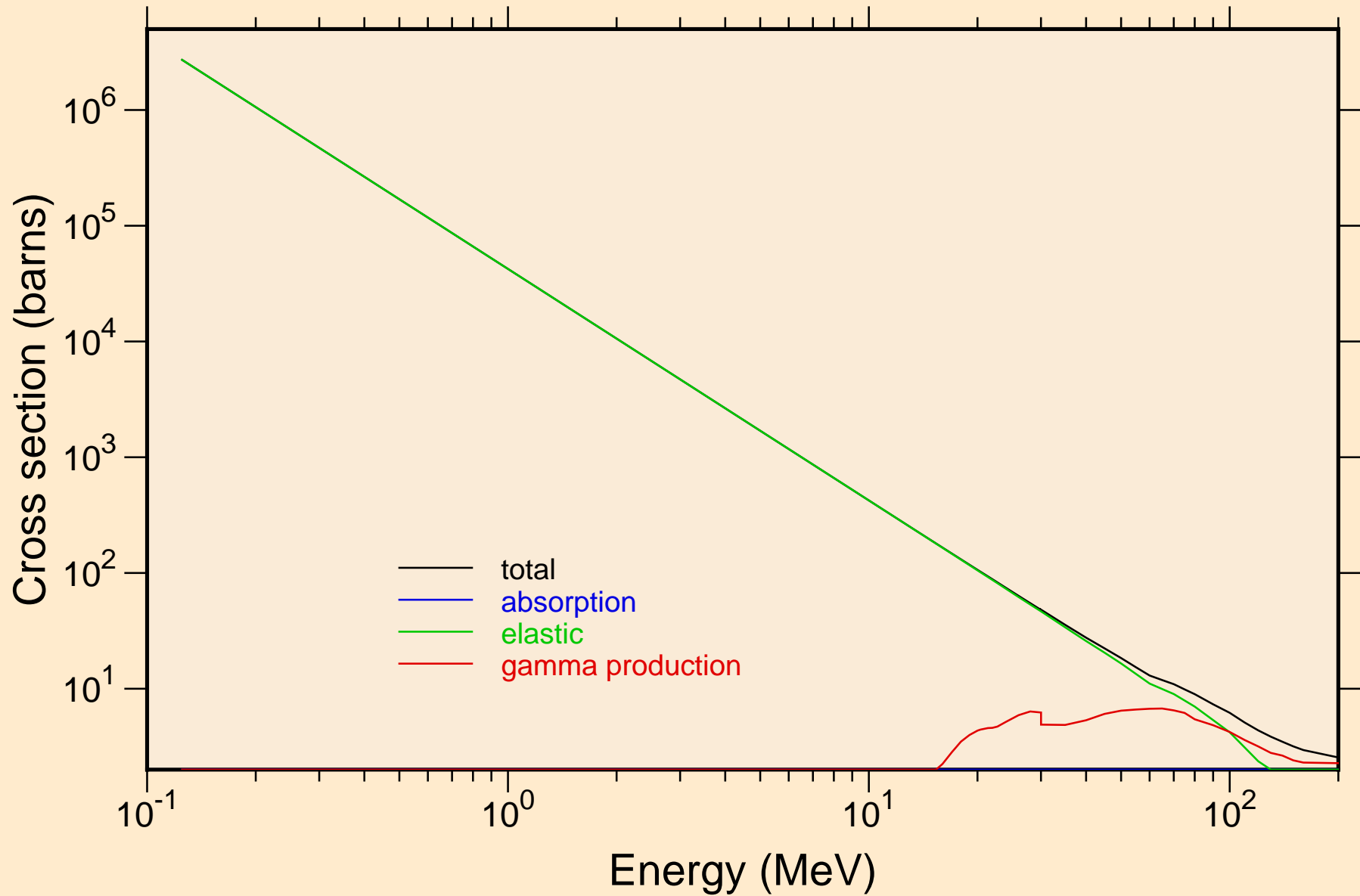
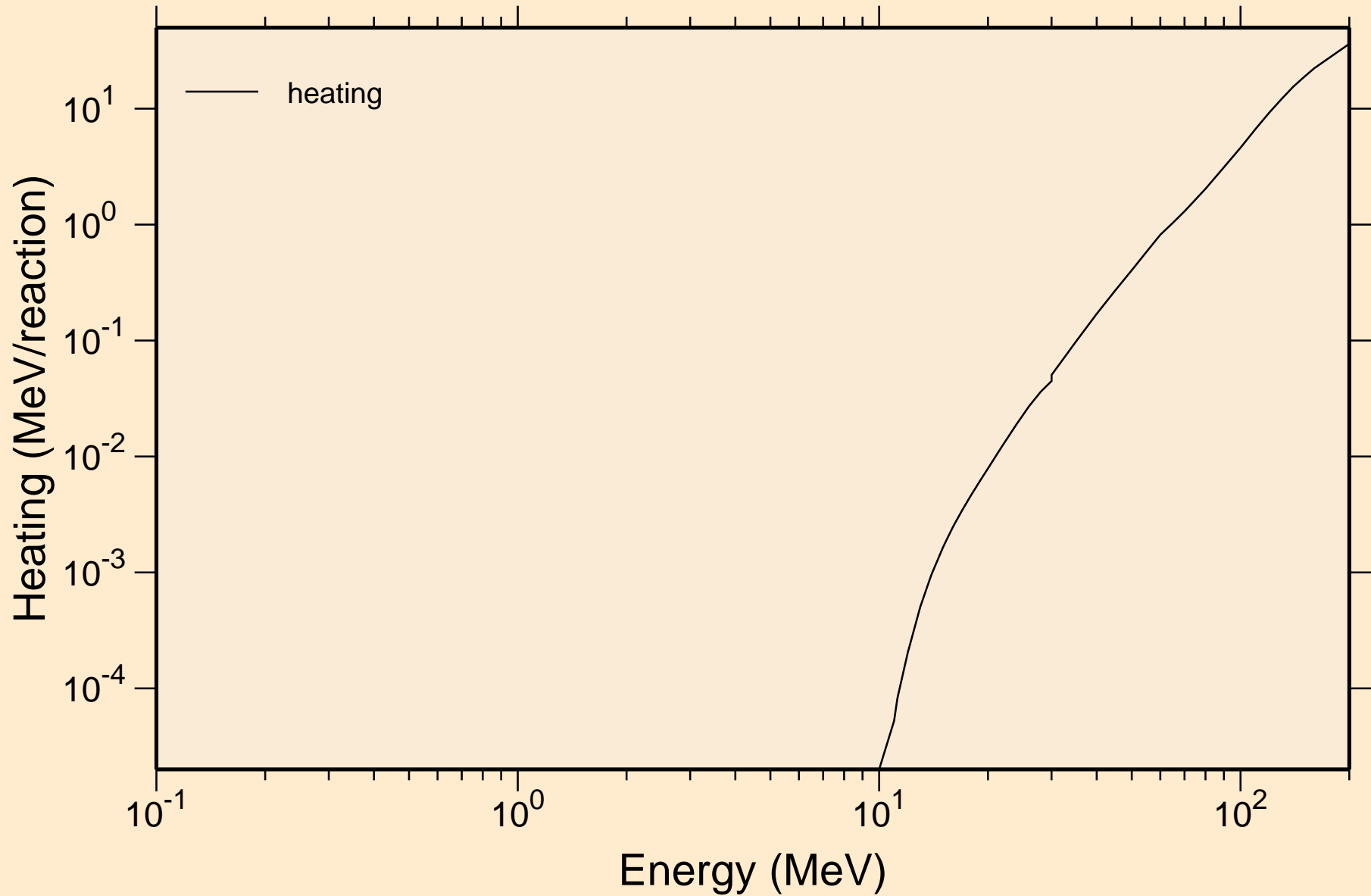


ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Principal cross sections



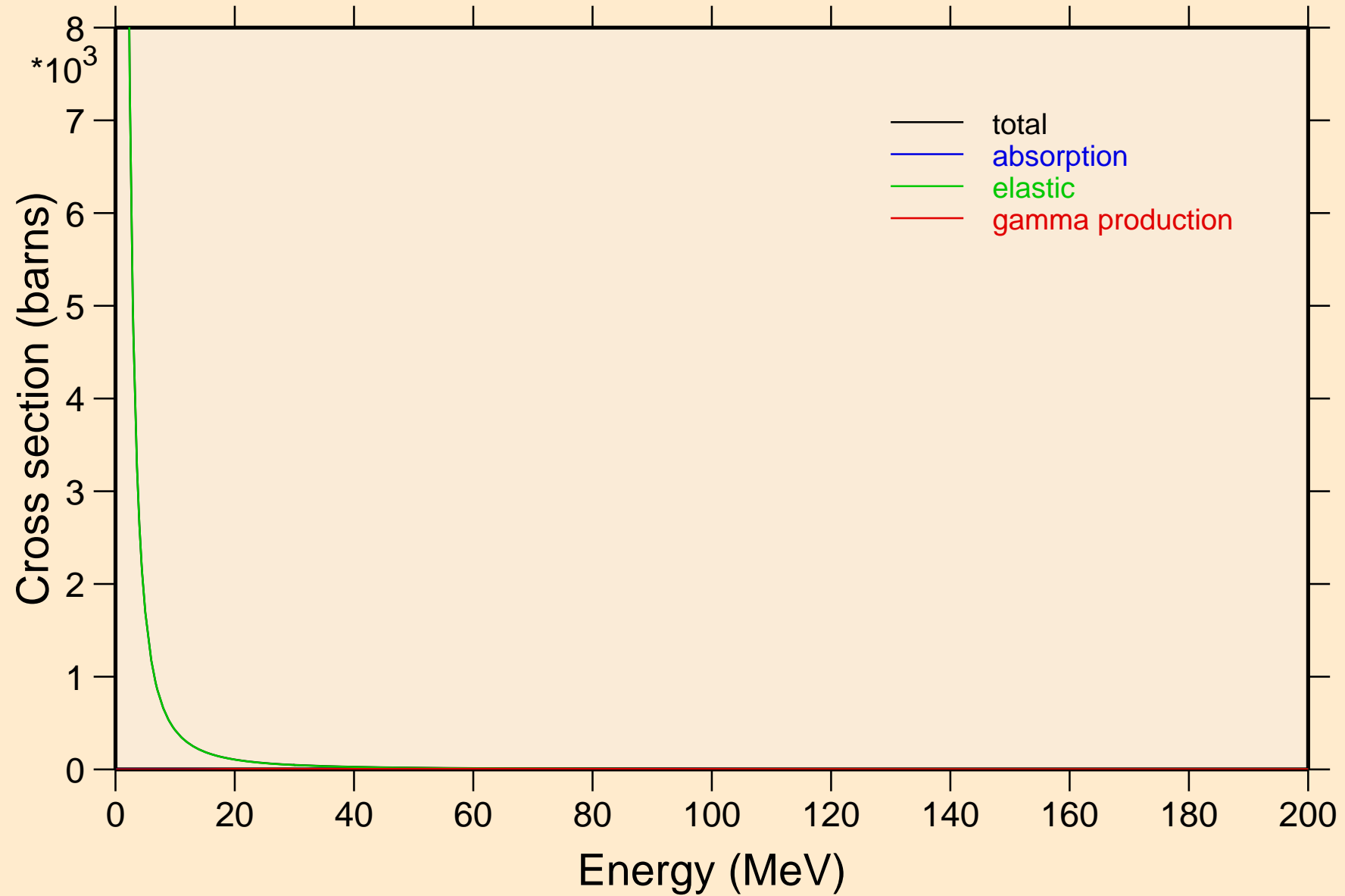
# ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Heating



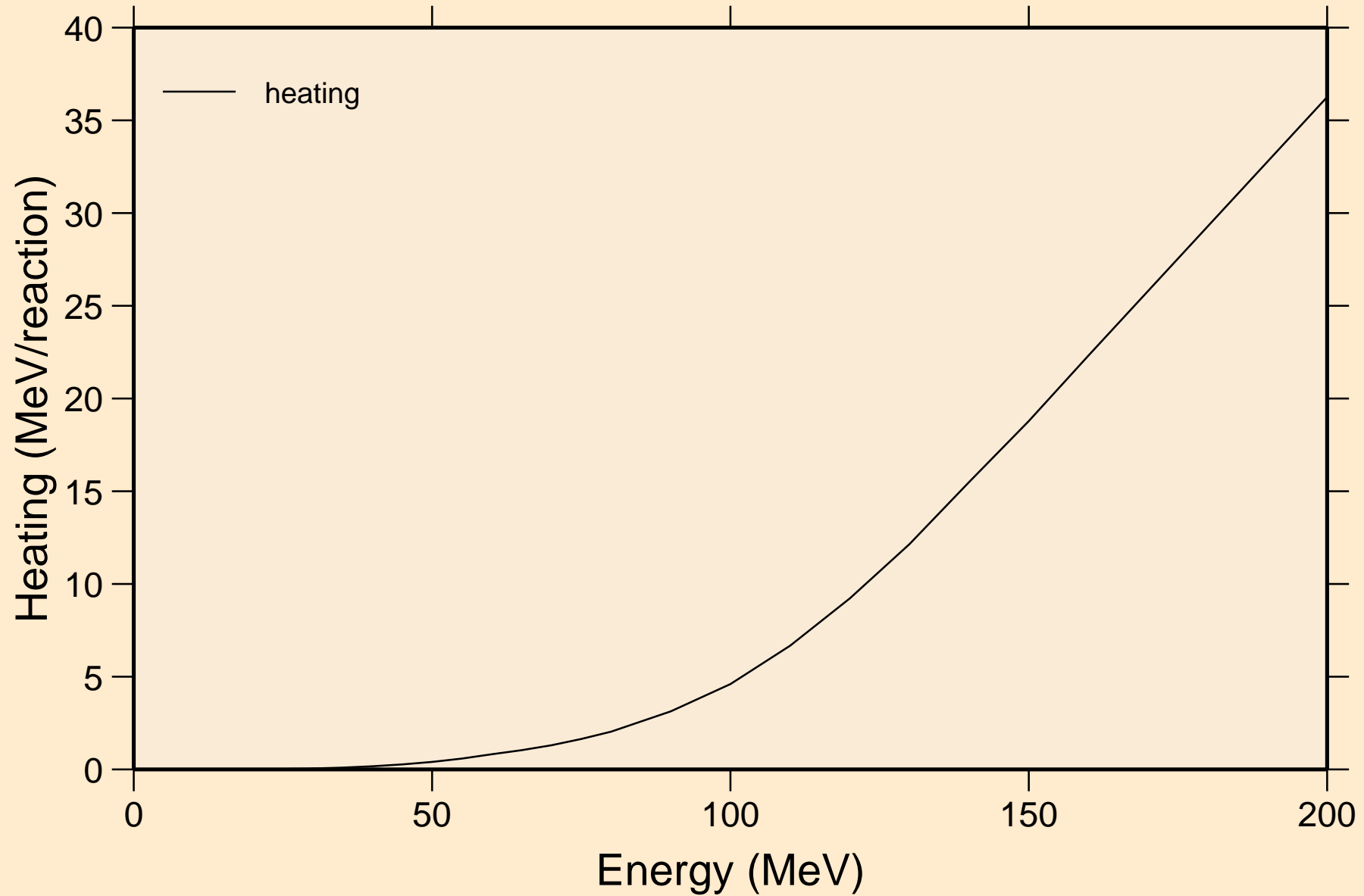
# ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections

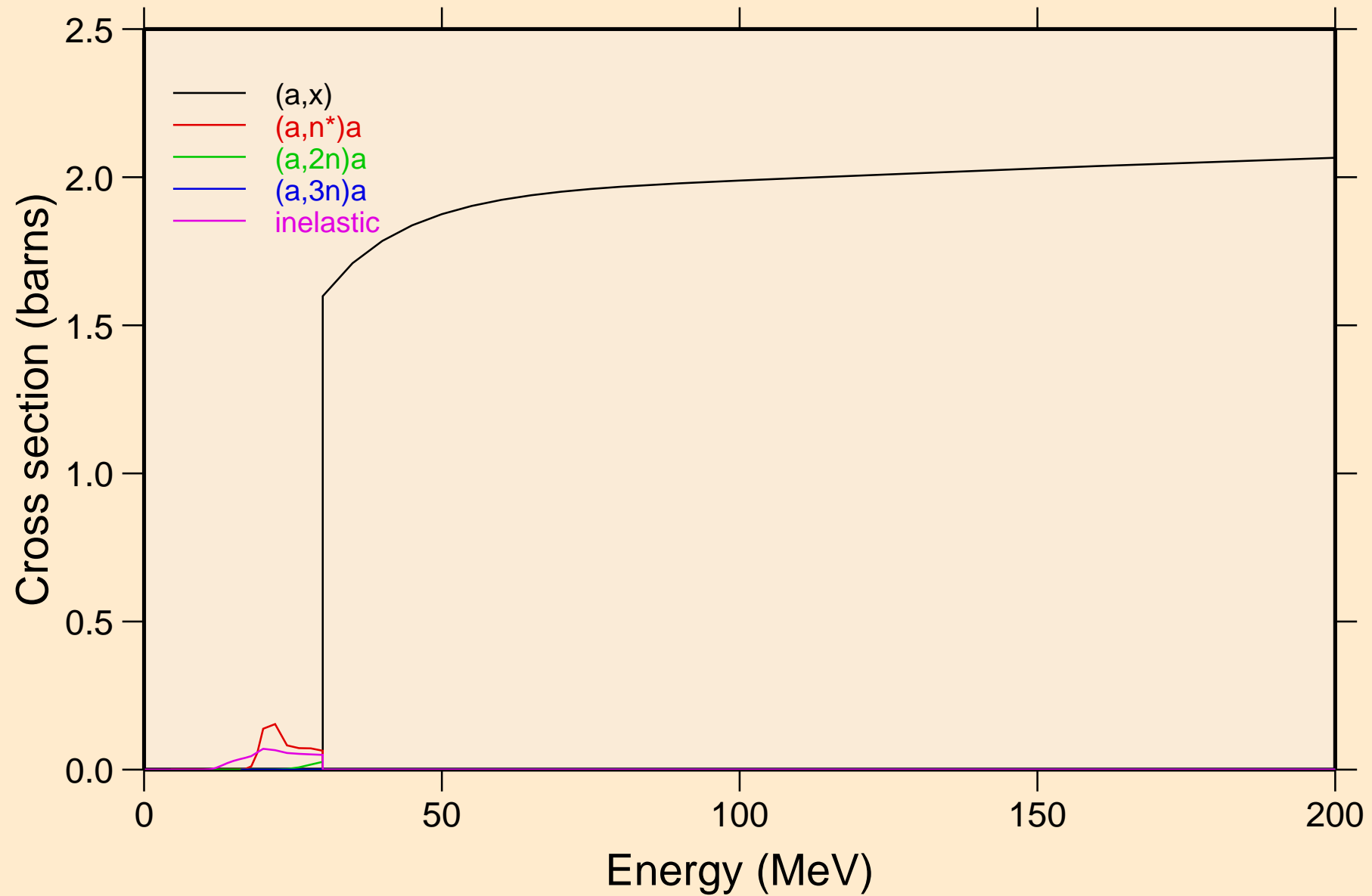


ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

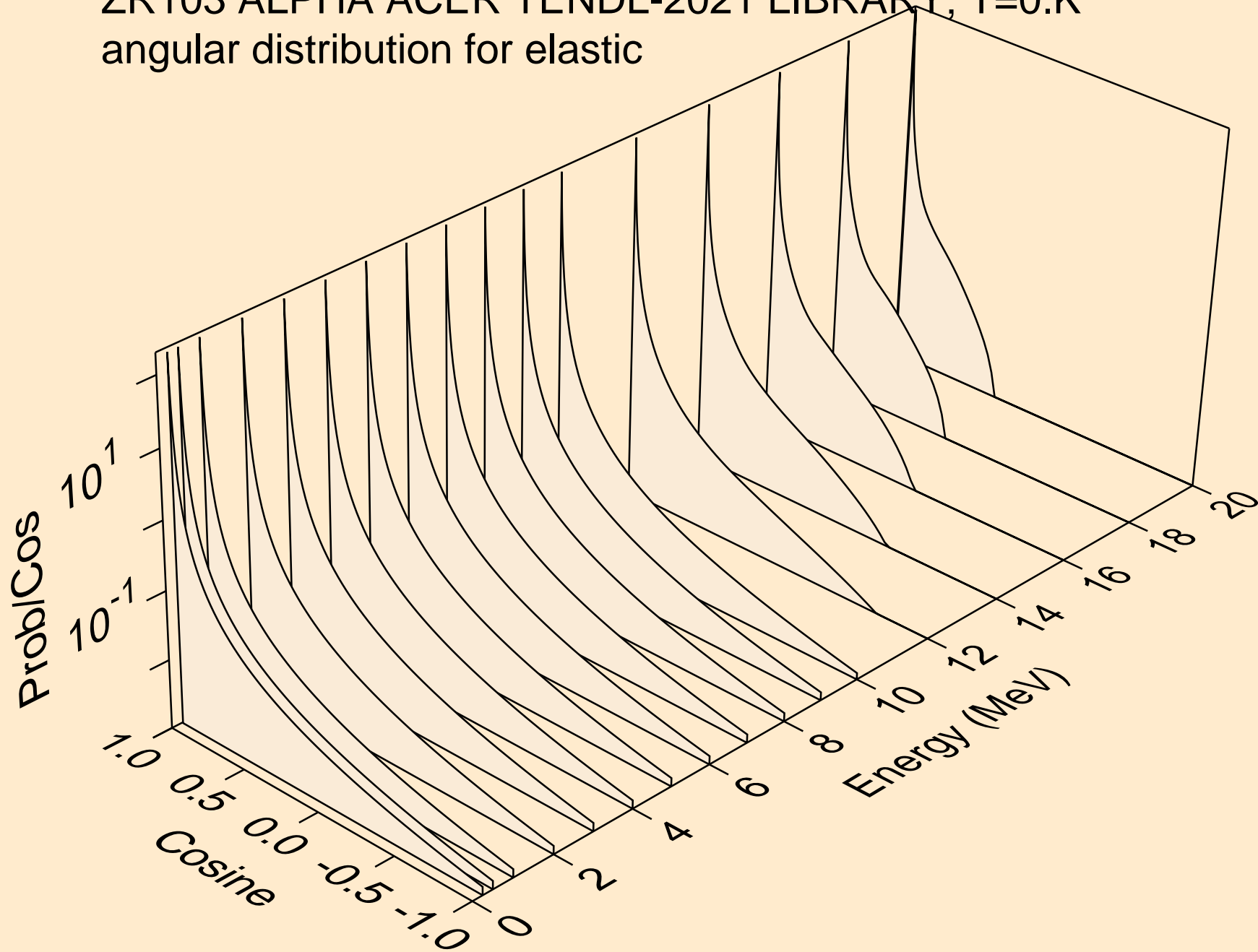
Heating



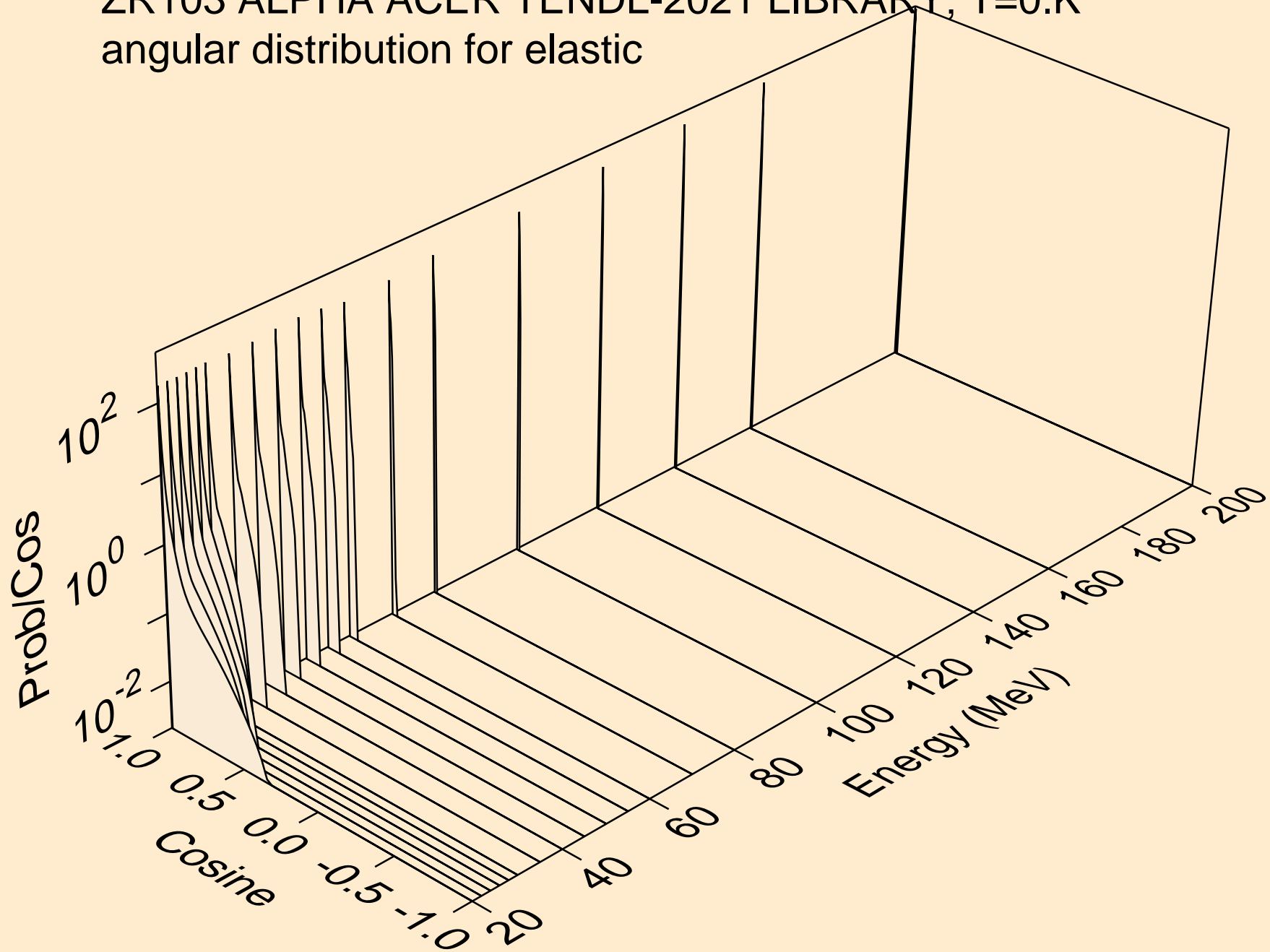
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



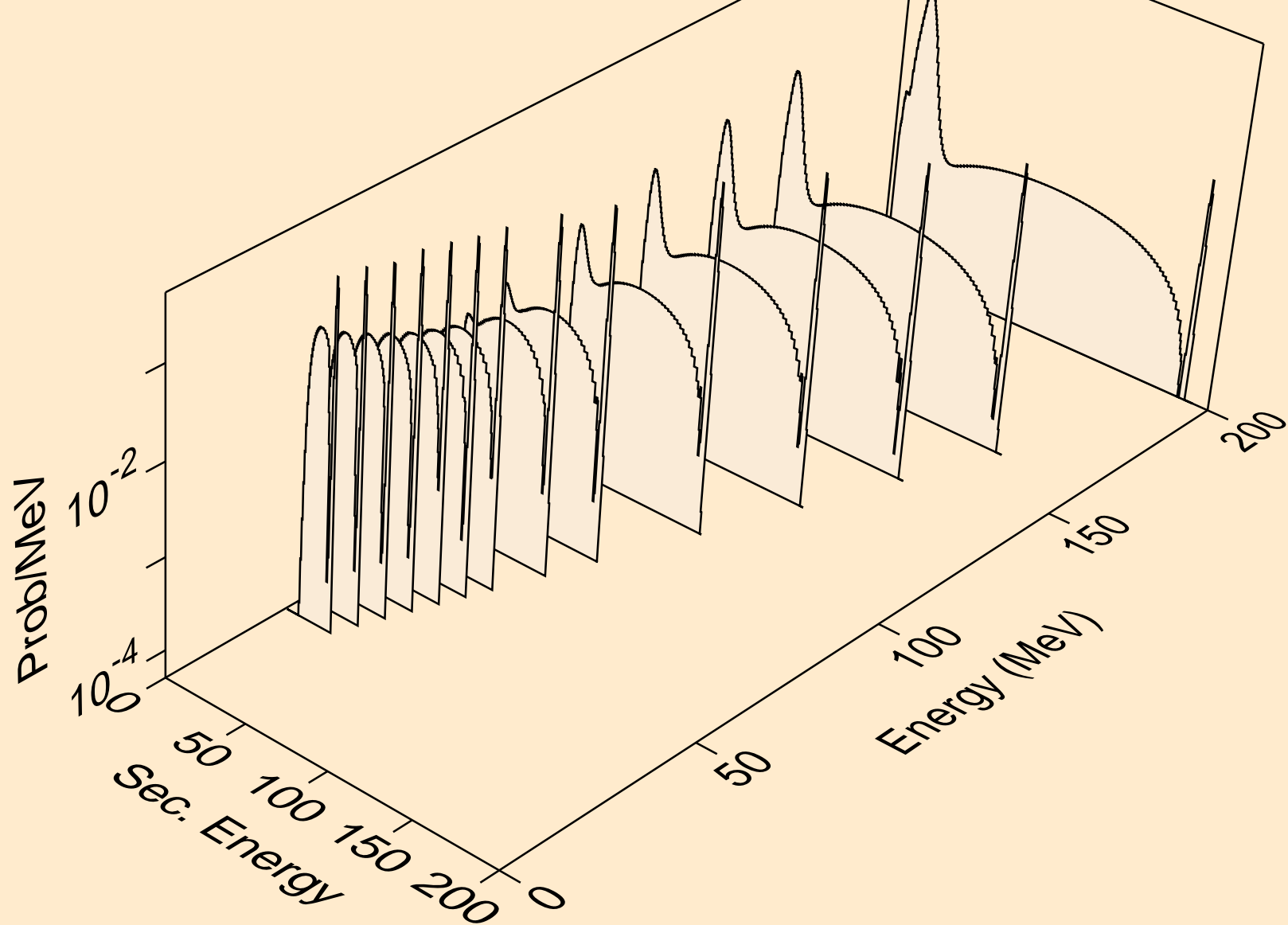
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic

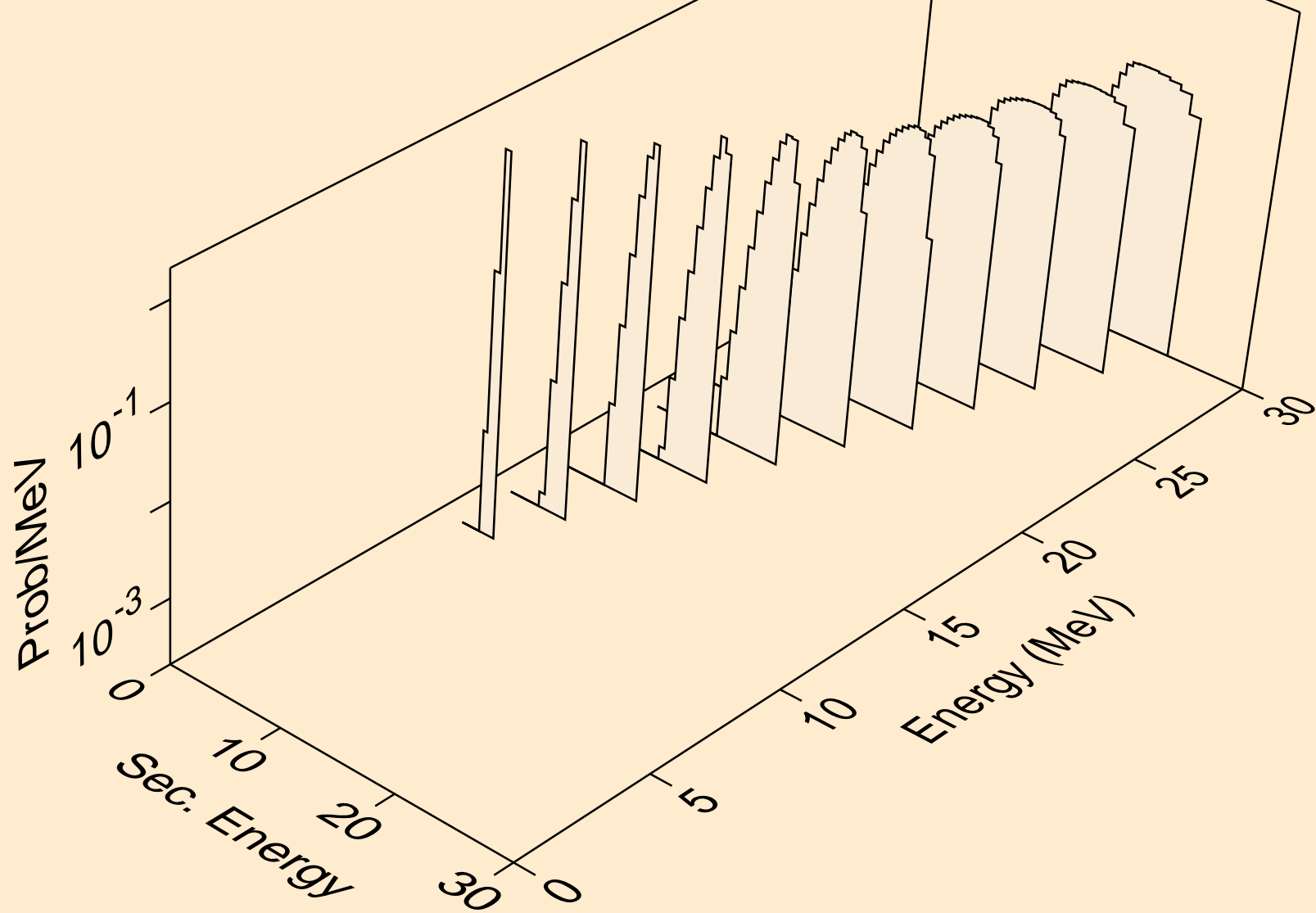


ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,x)

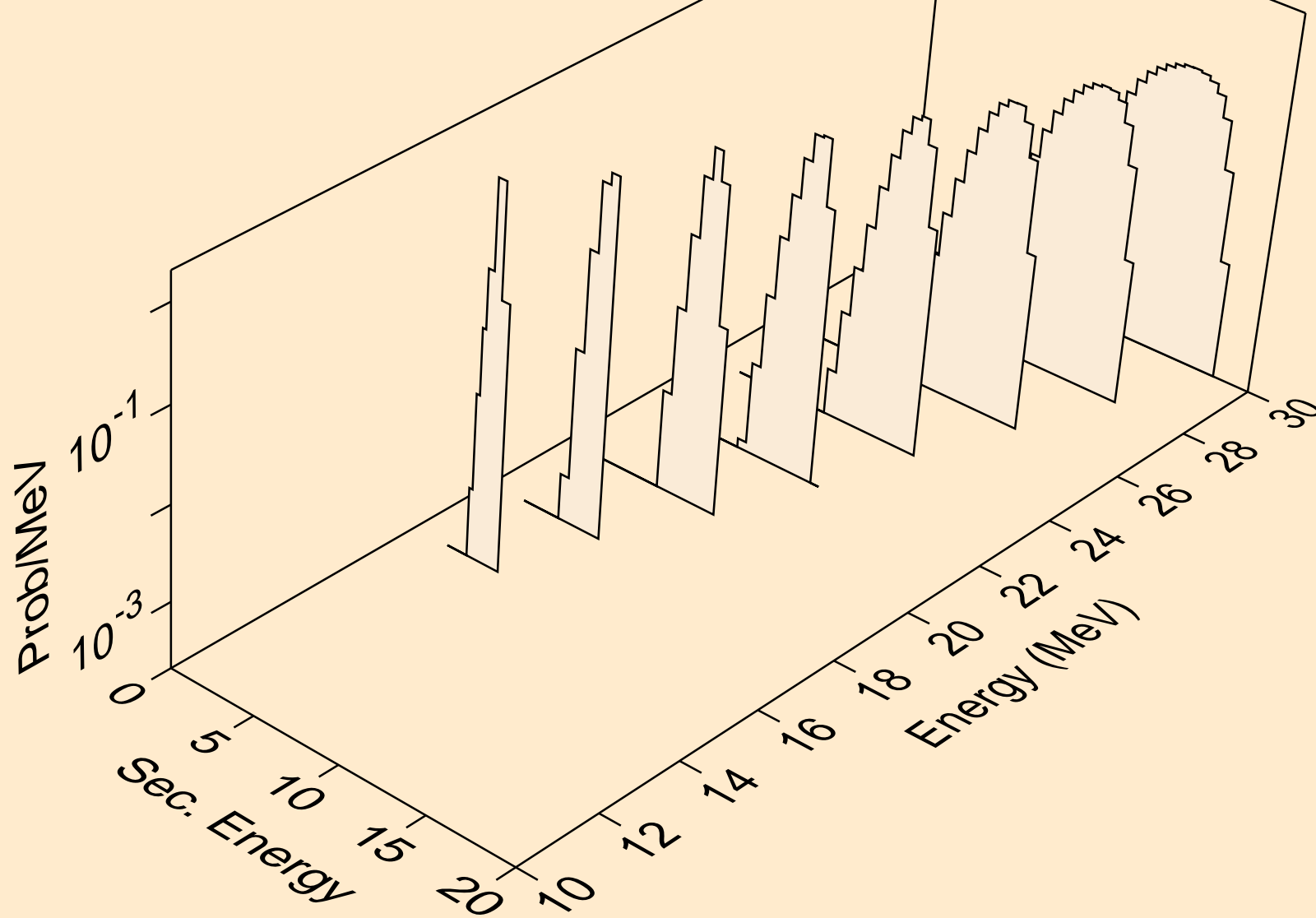




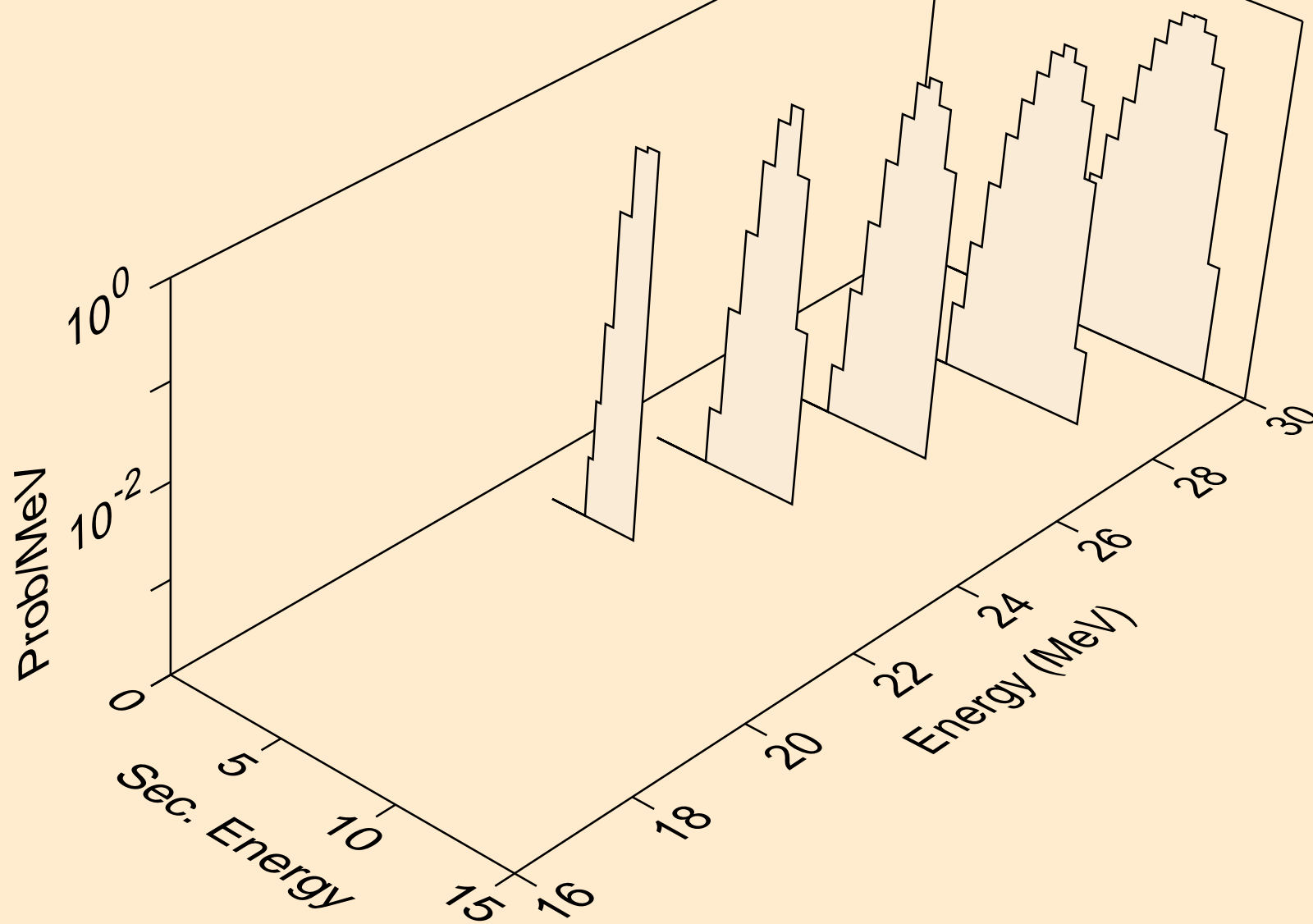
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,n\*)a



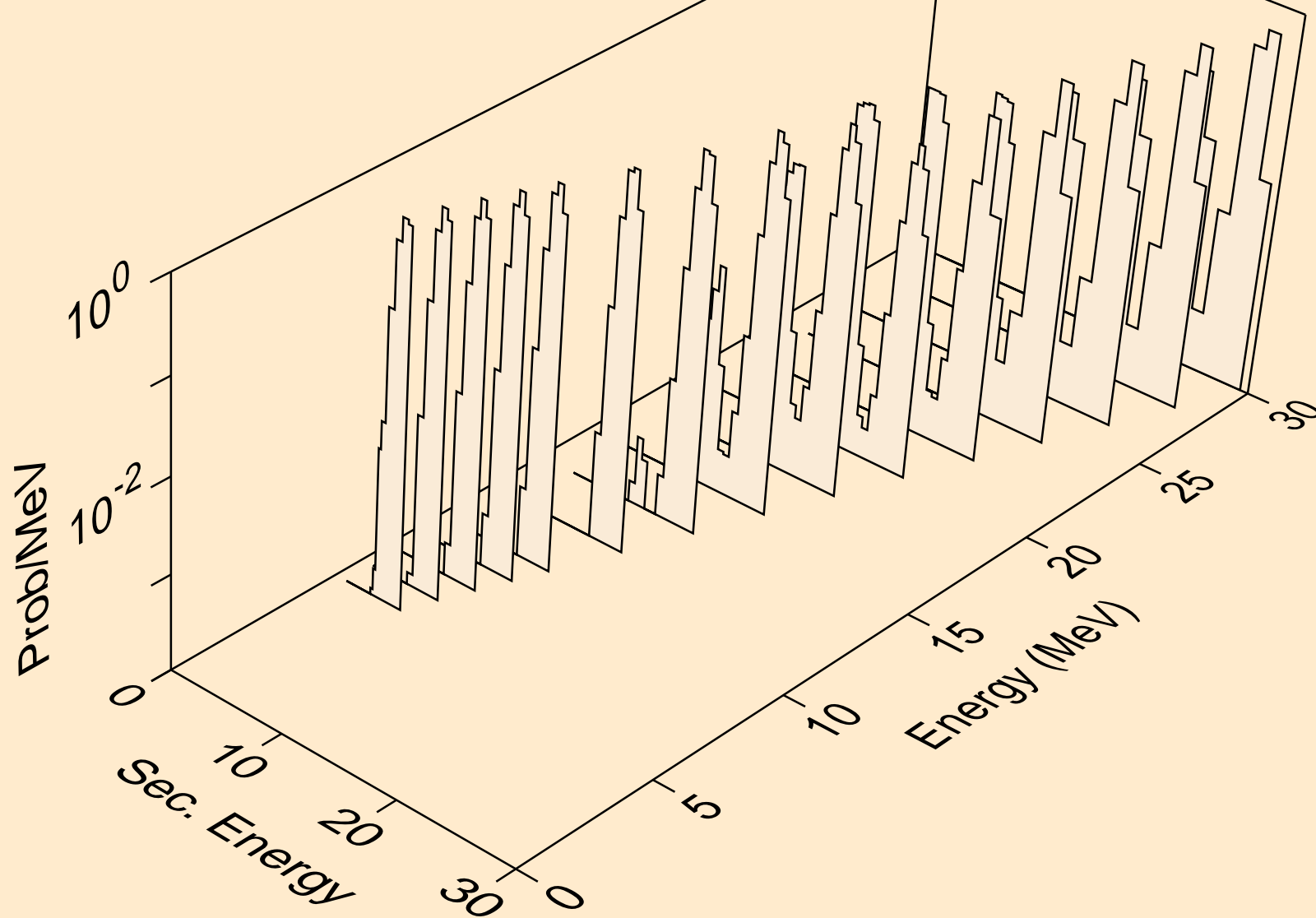
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,2n)a



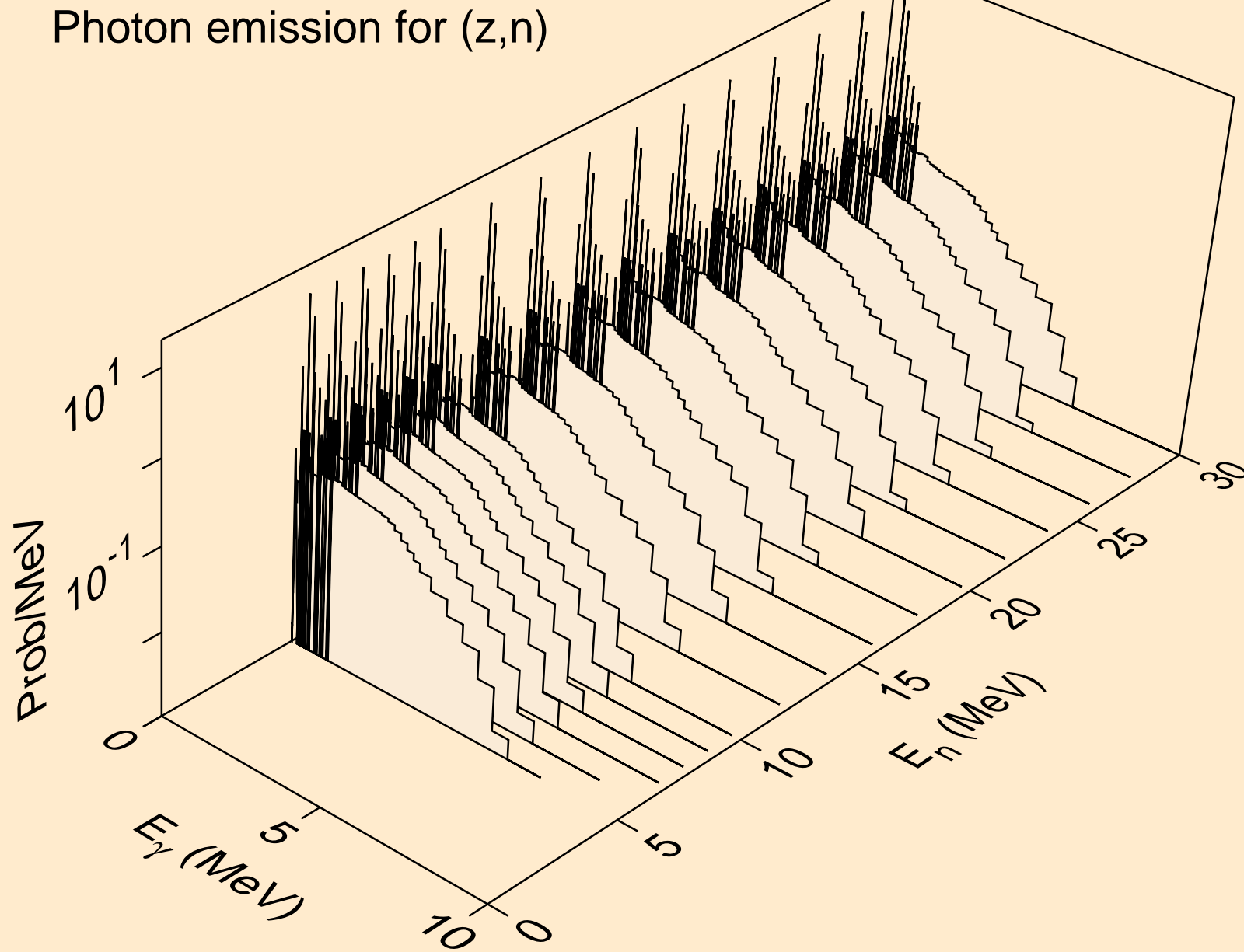
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,3n)a



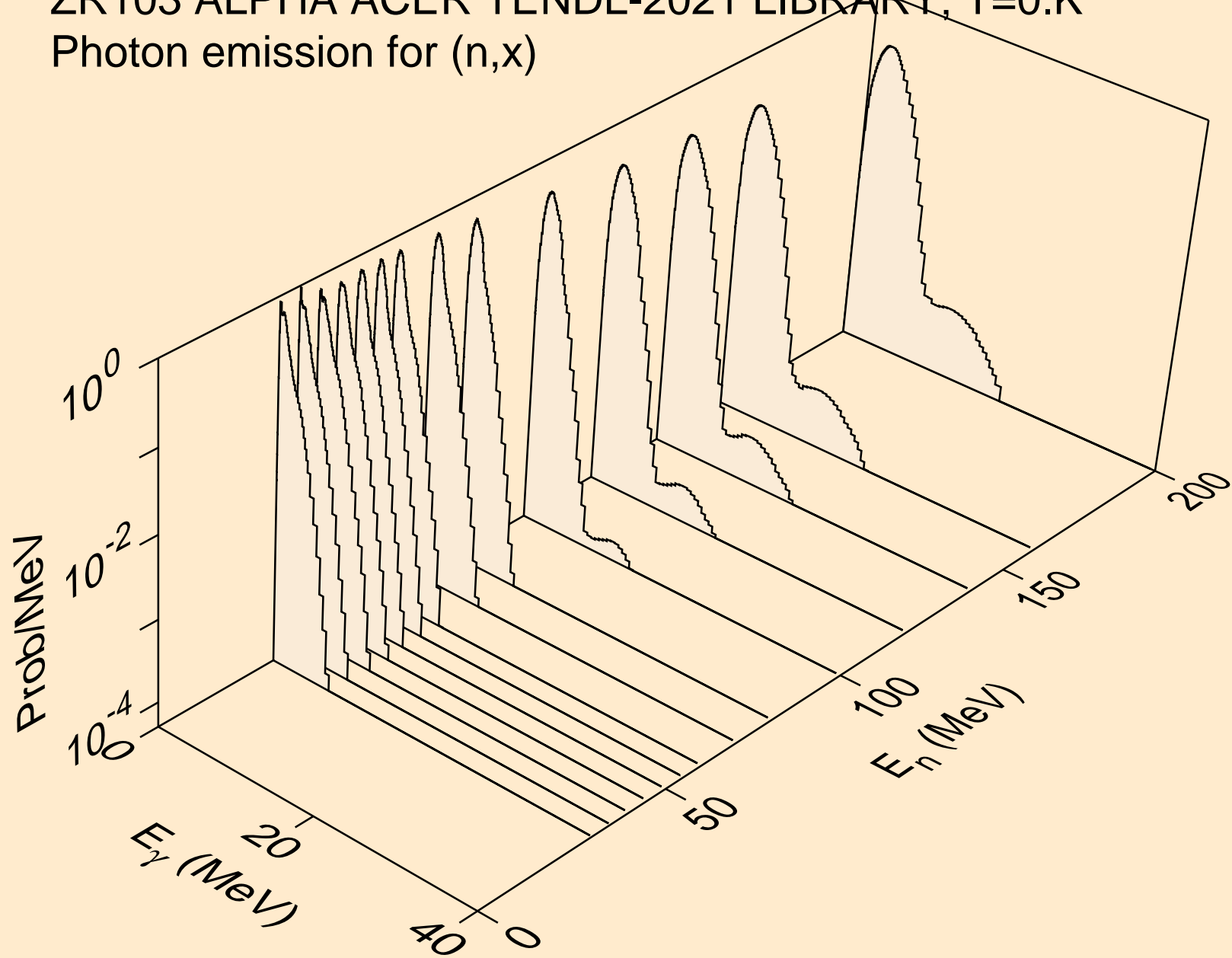
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for inelastic



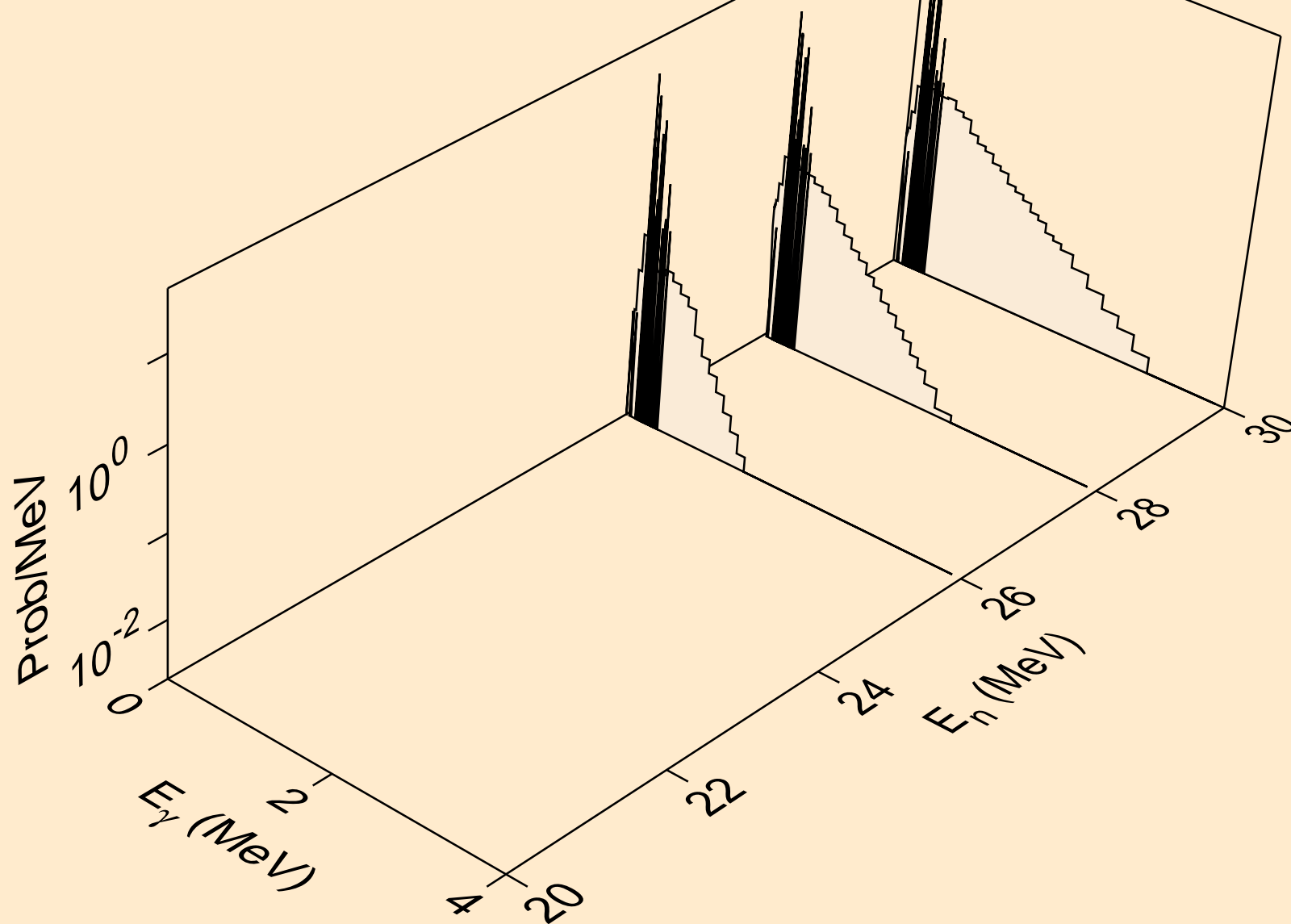
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)



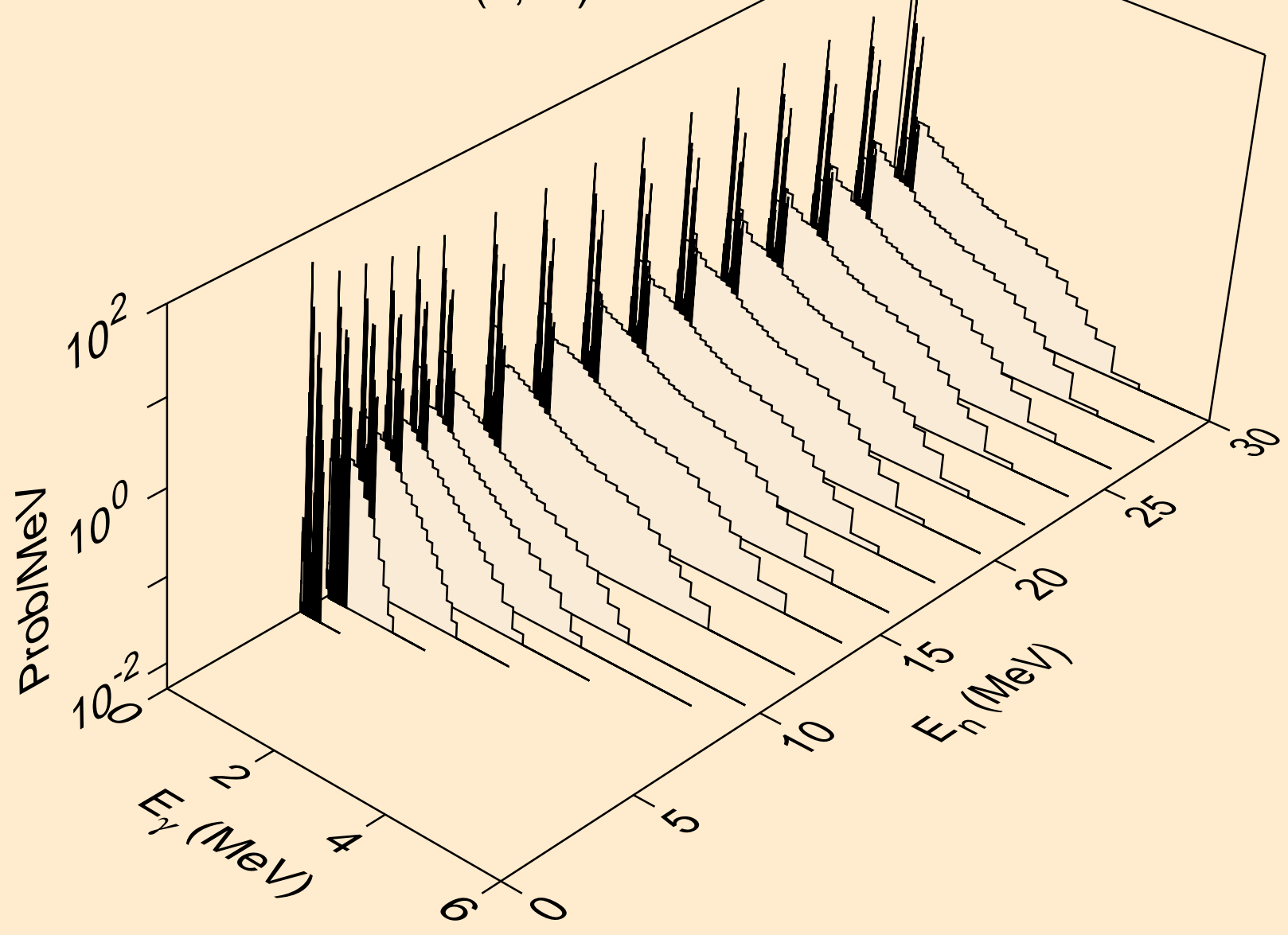
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2nd)

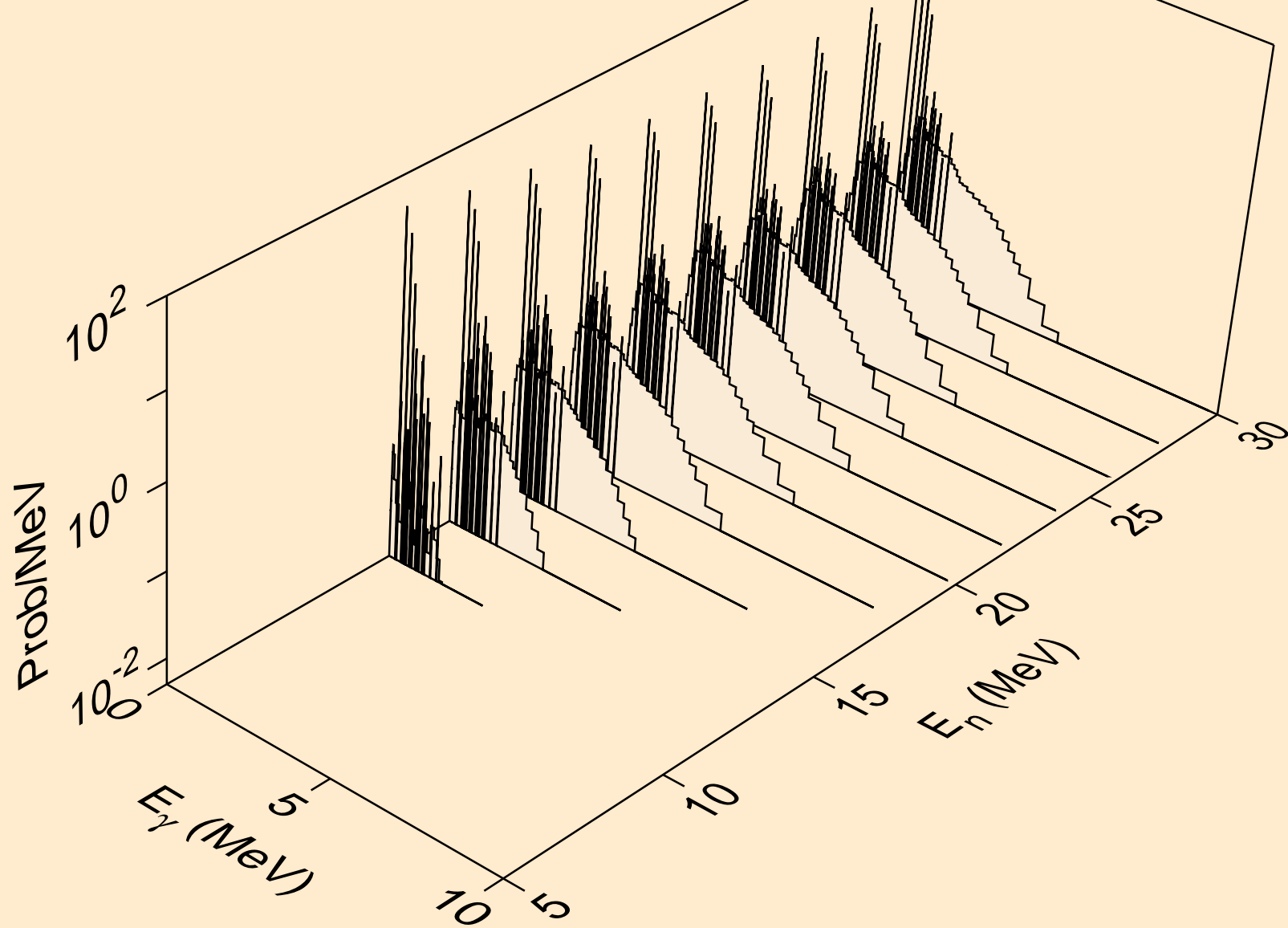


ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)

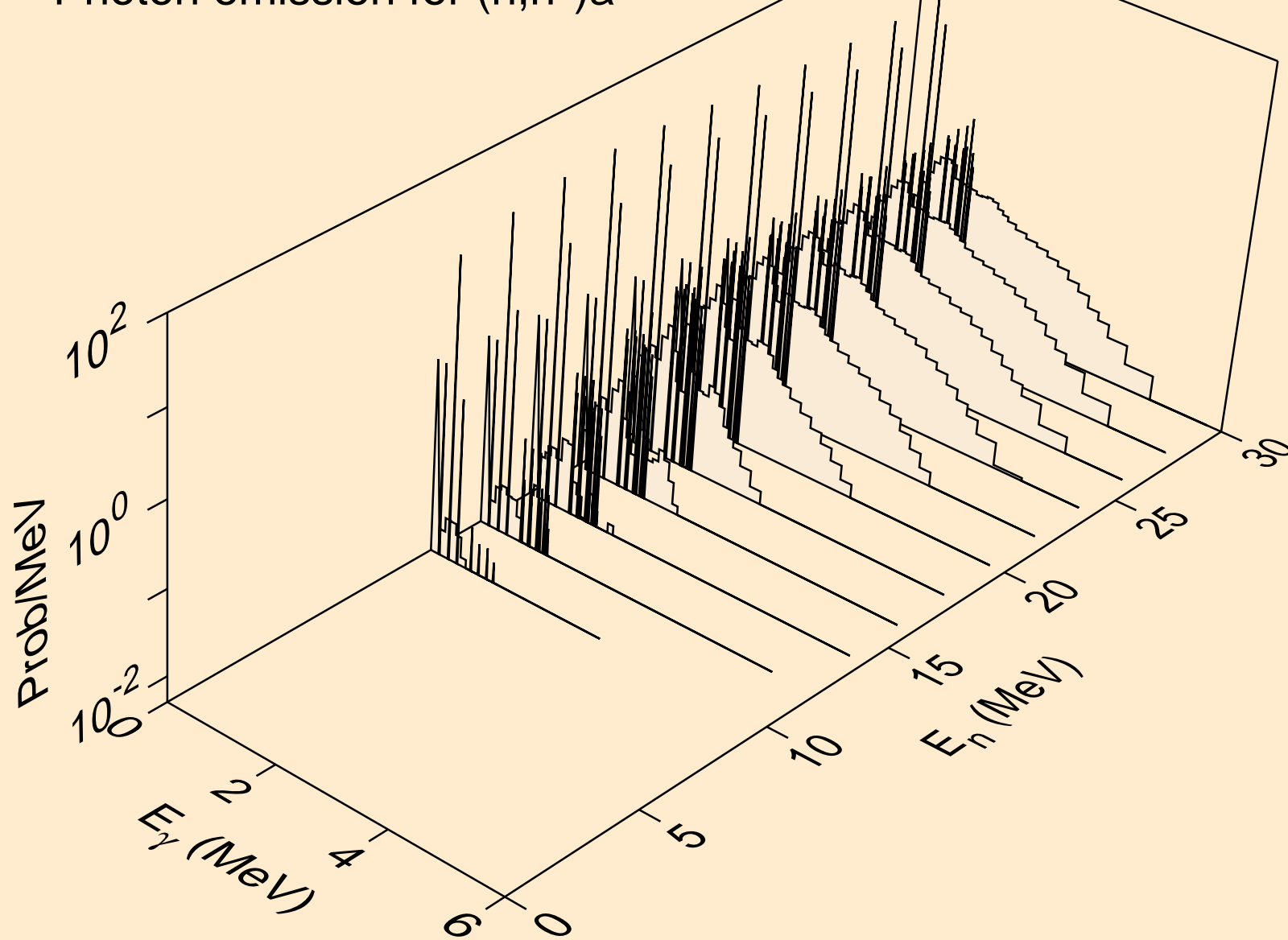




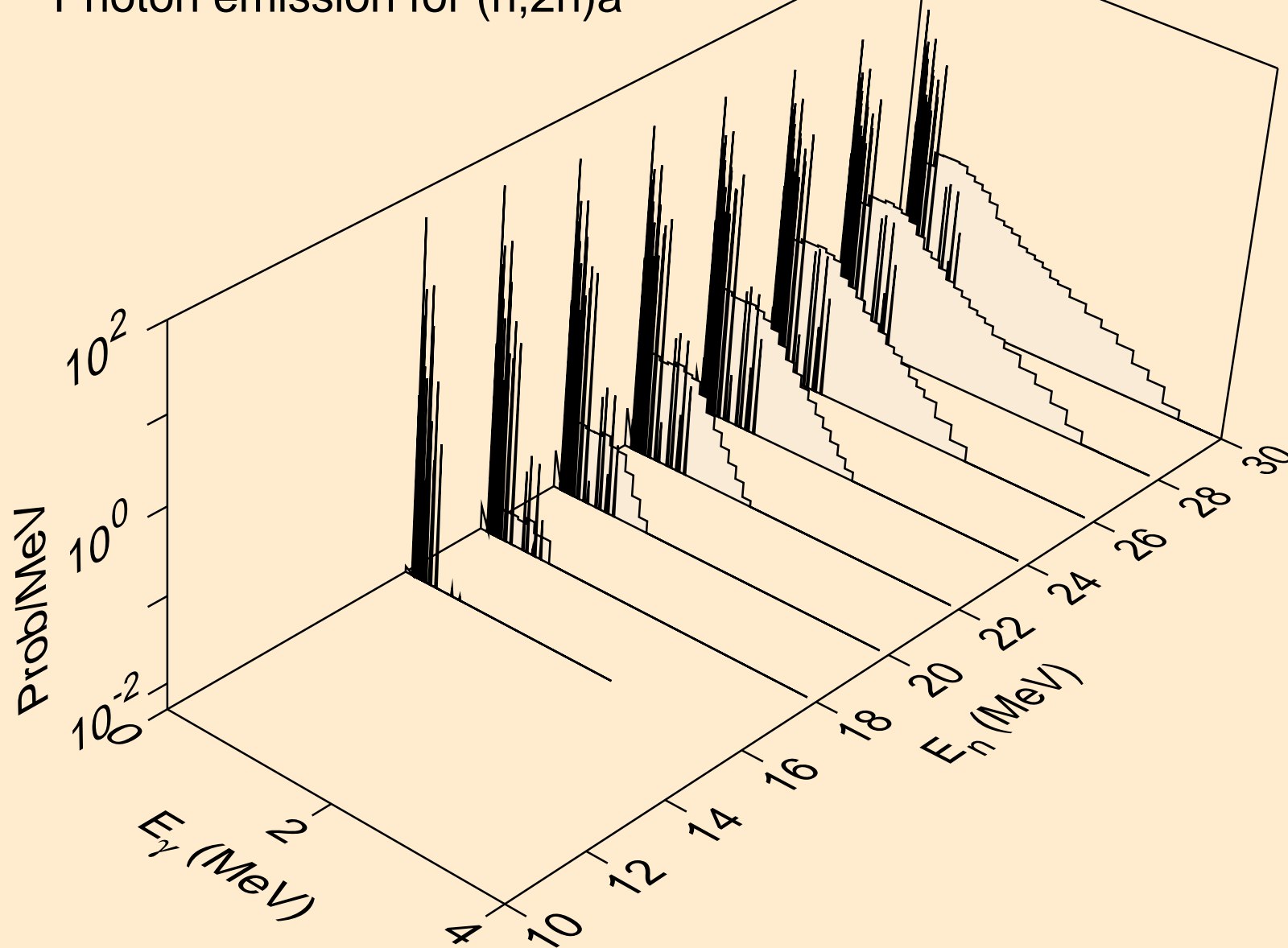
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)



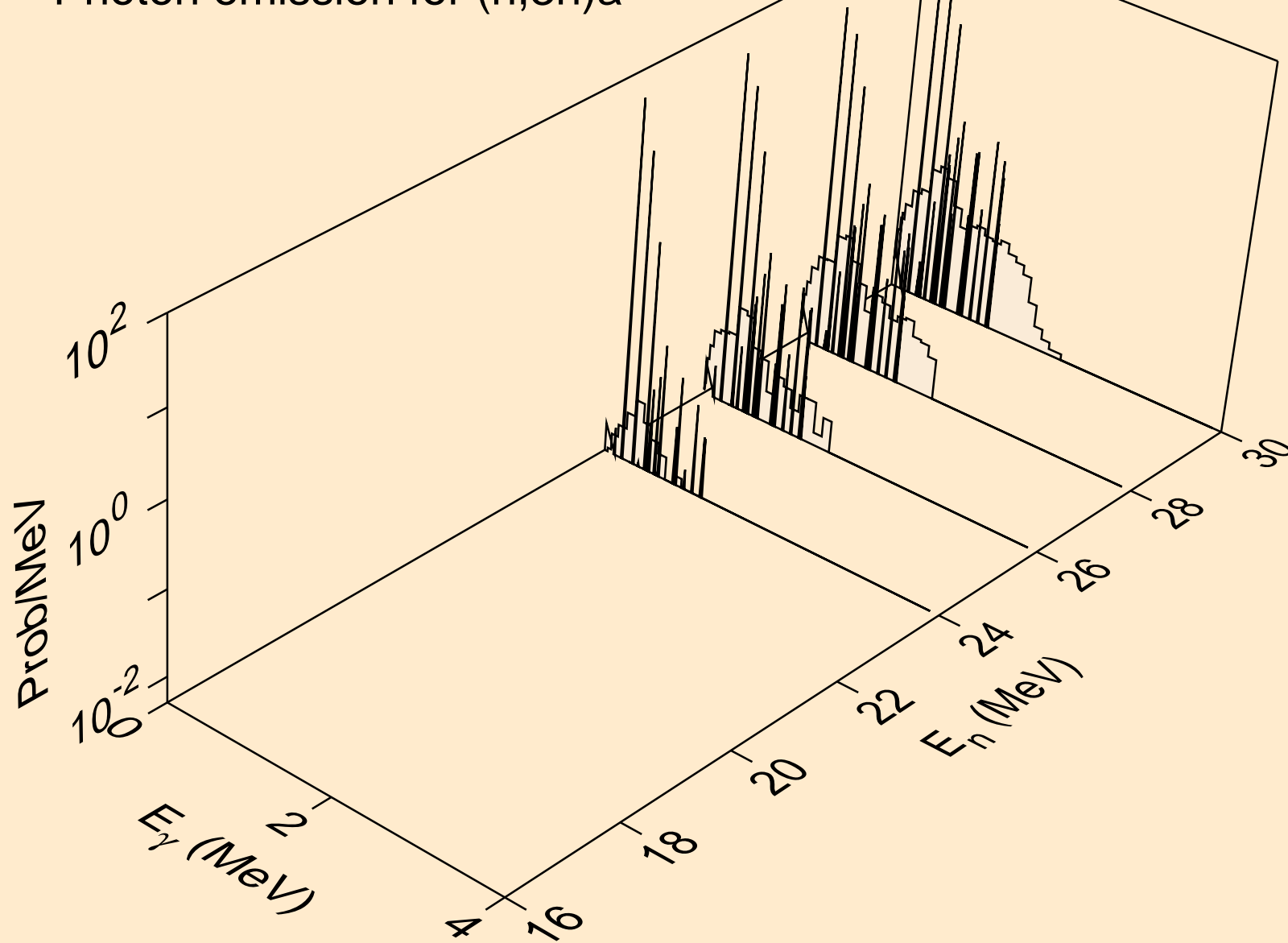
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



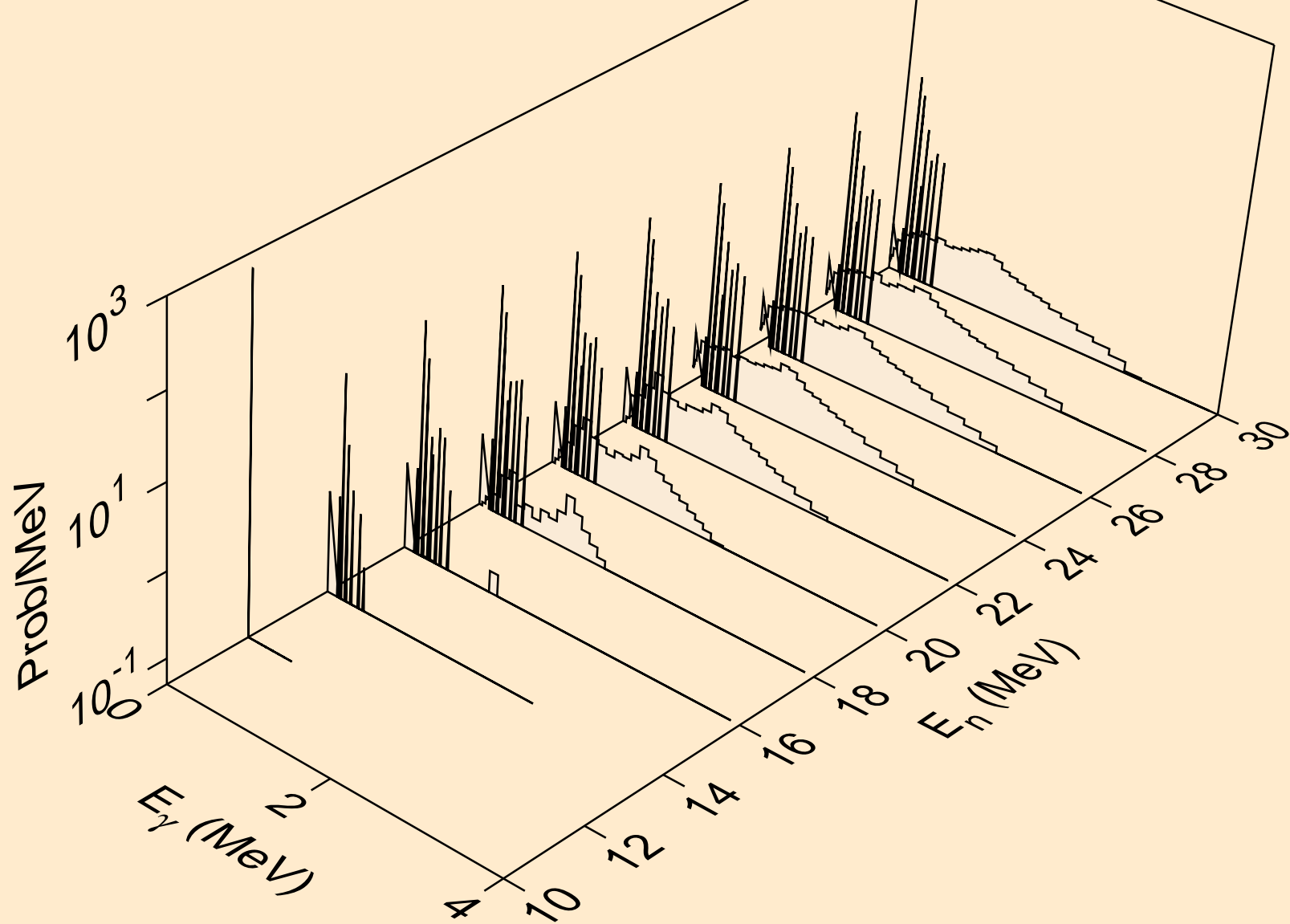
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)a



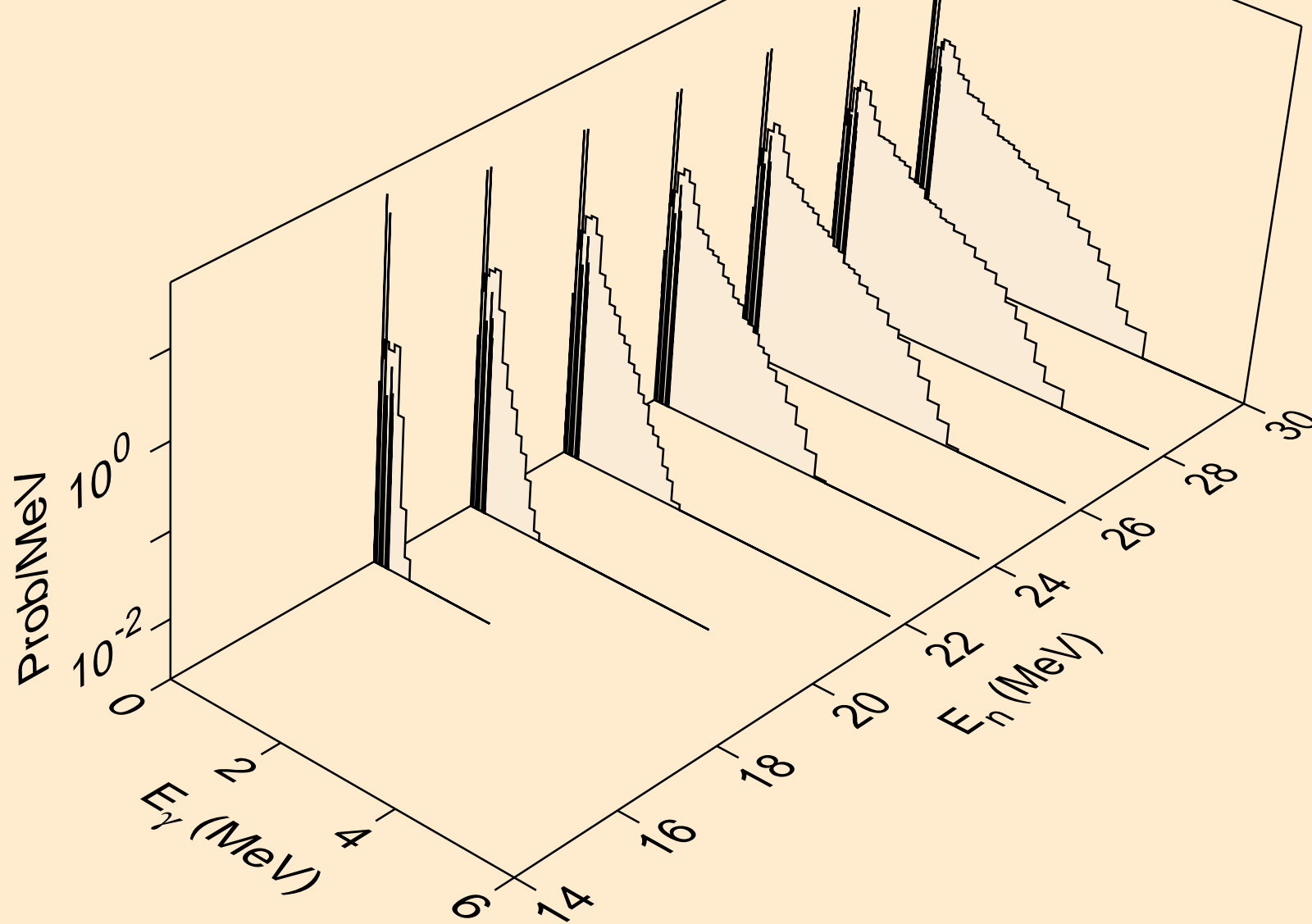
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)a



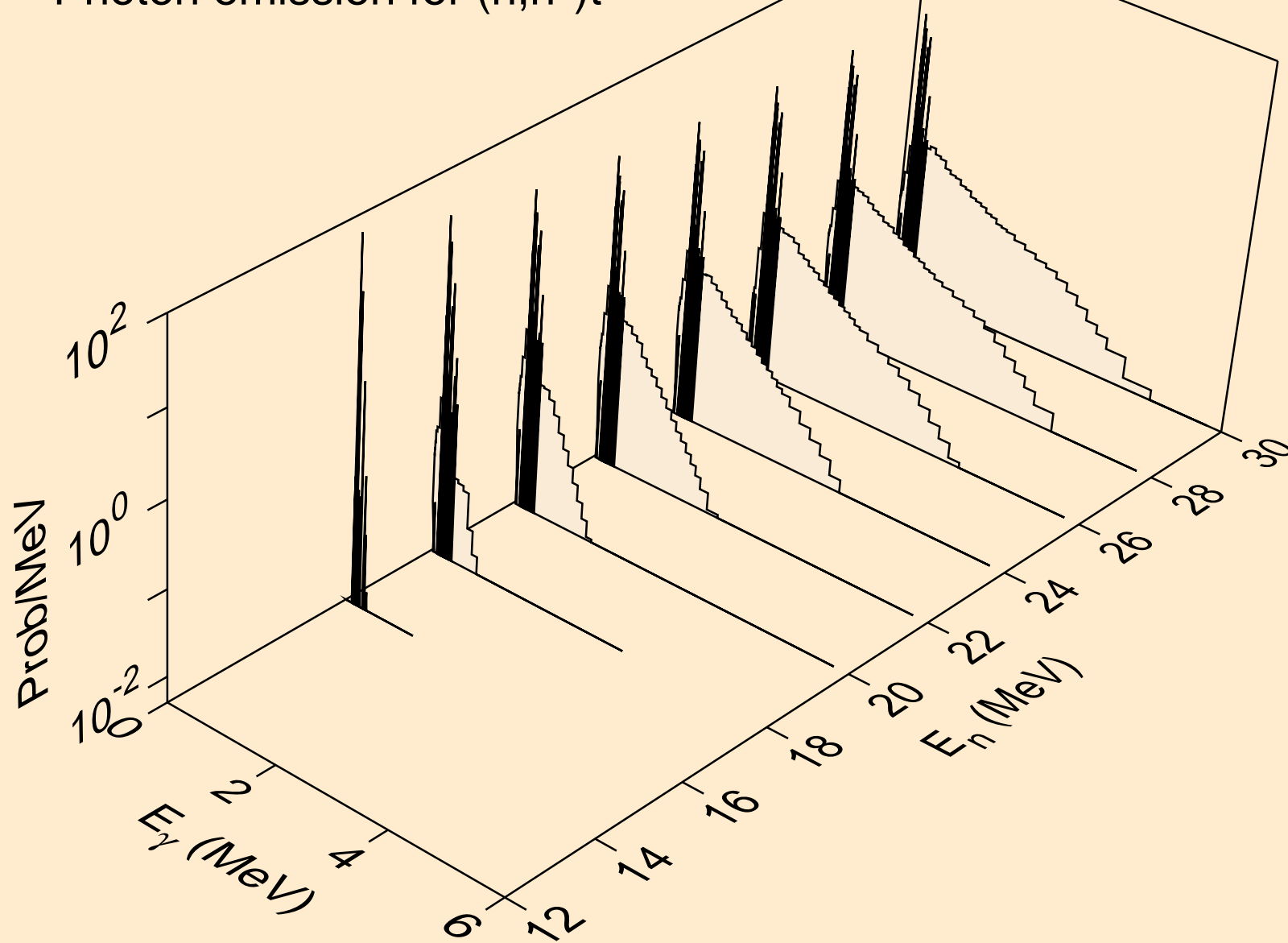
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



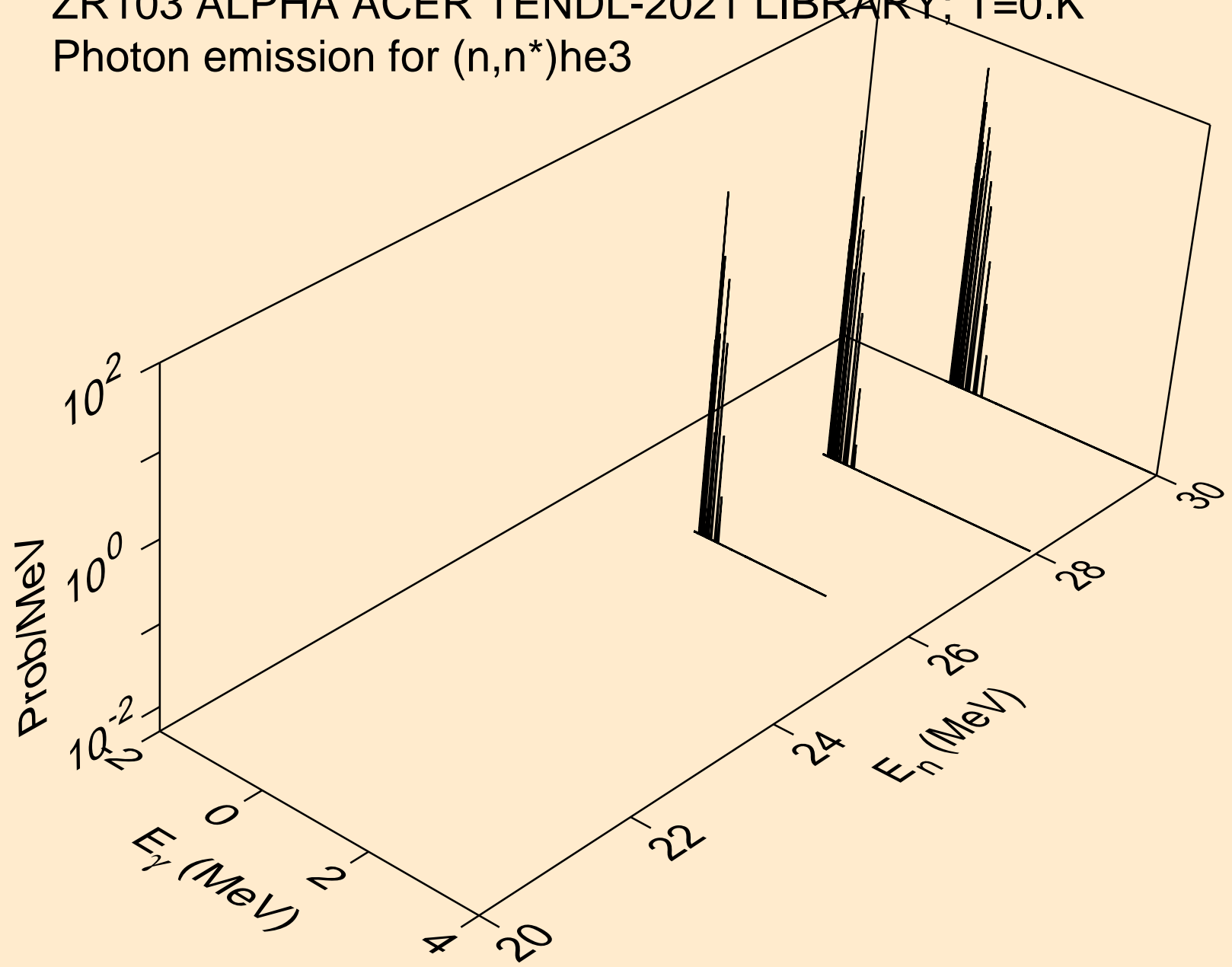
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

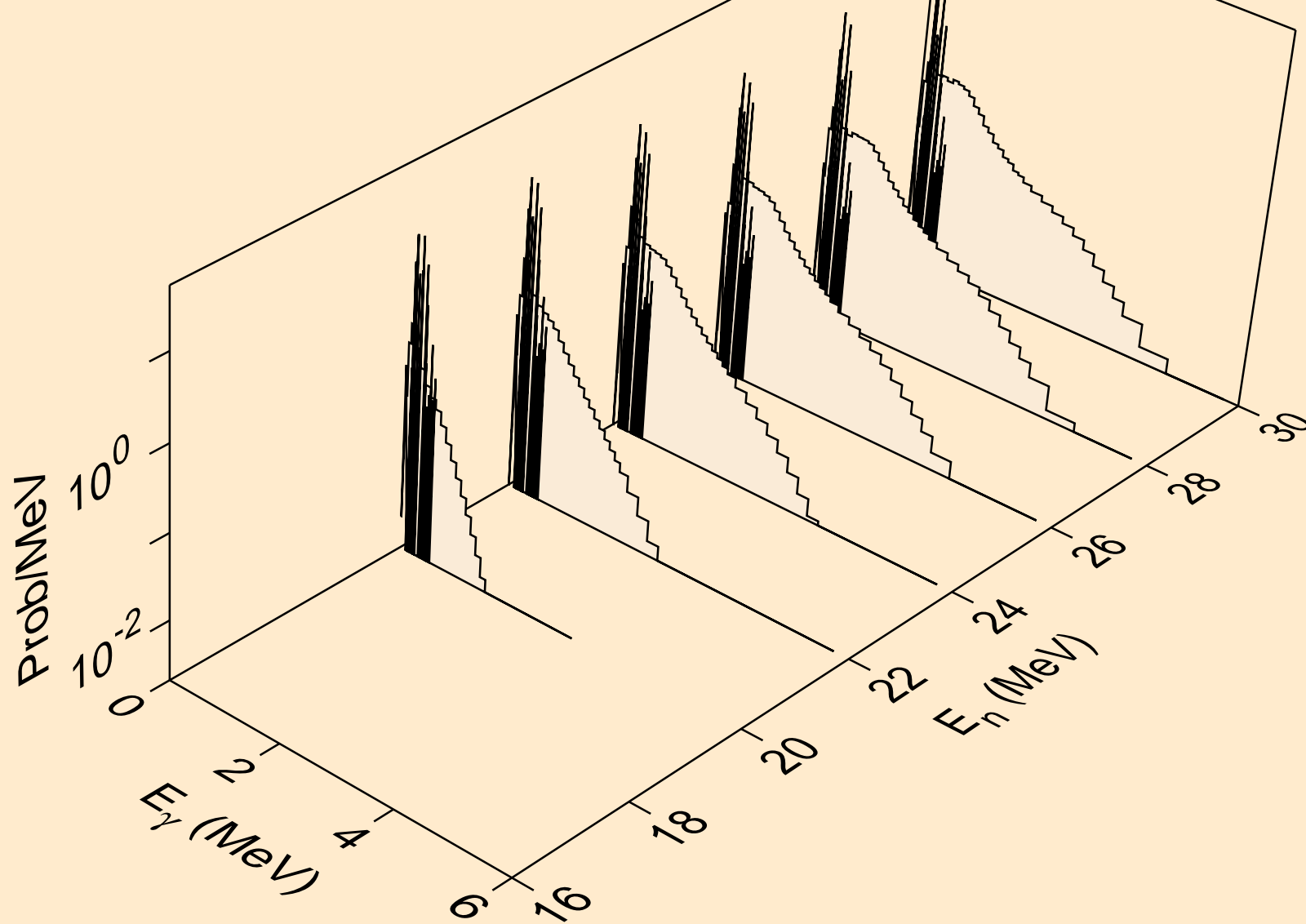


ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

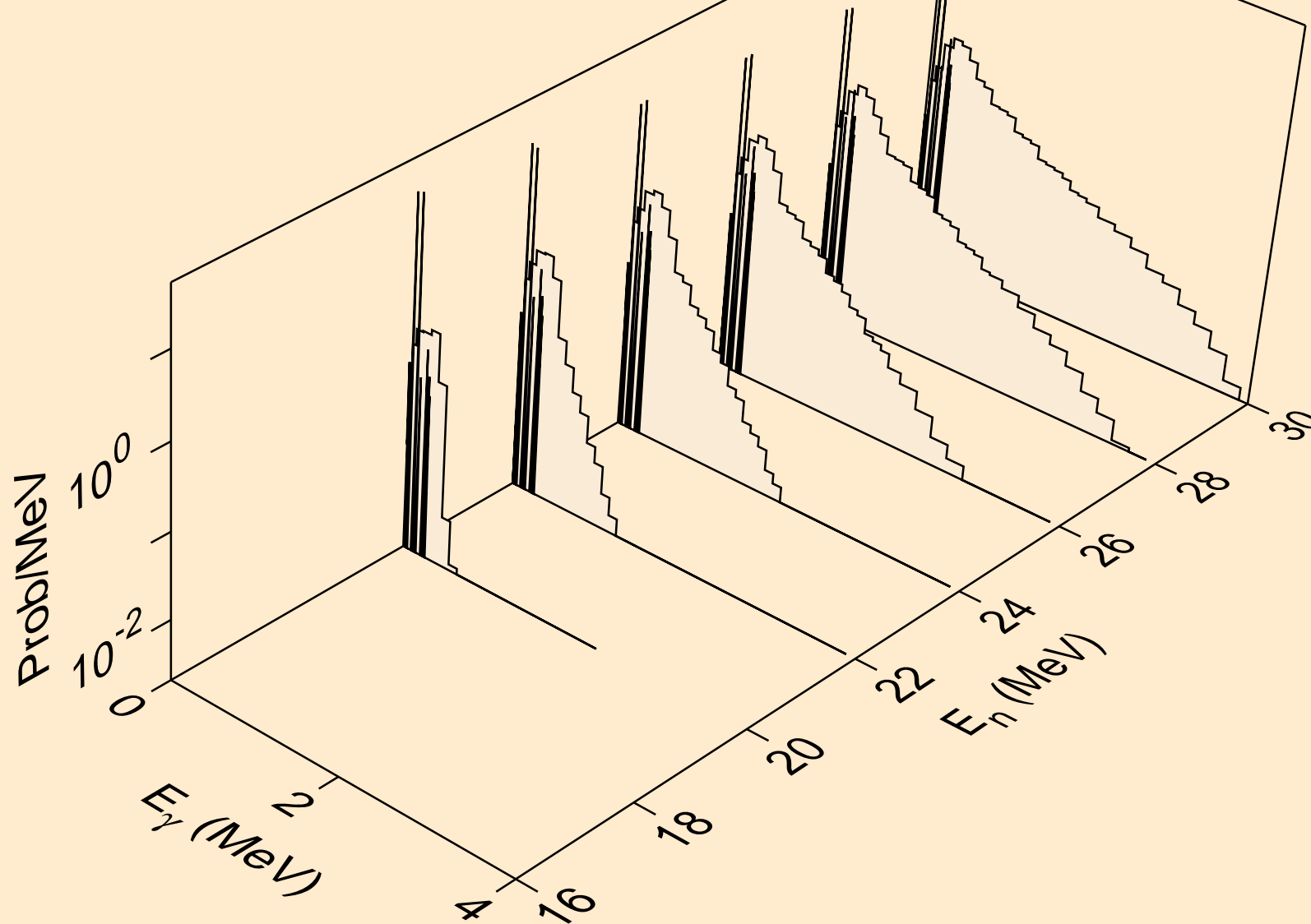




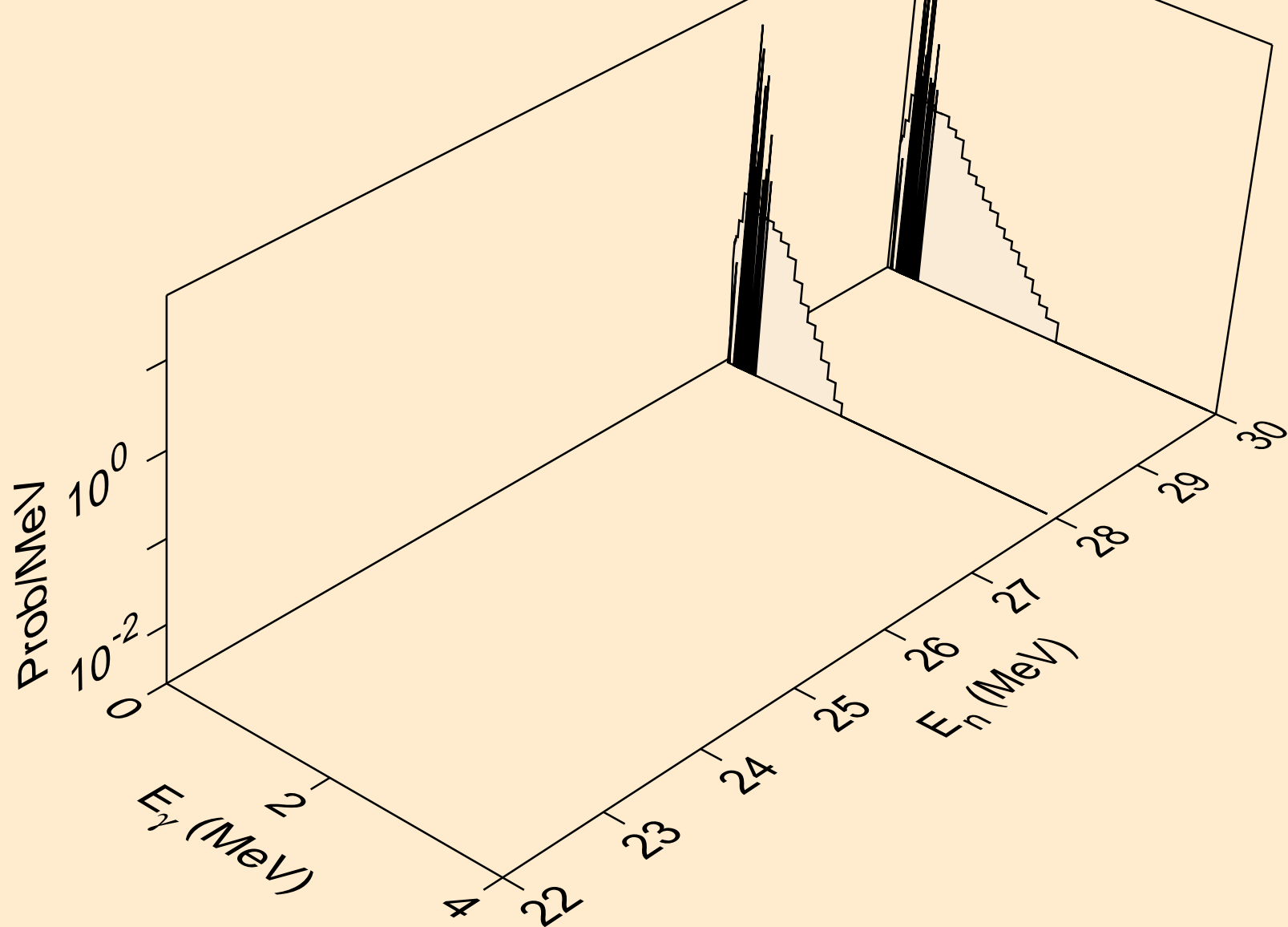
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,4n)



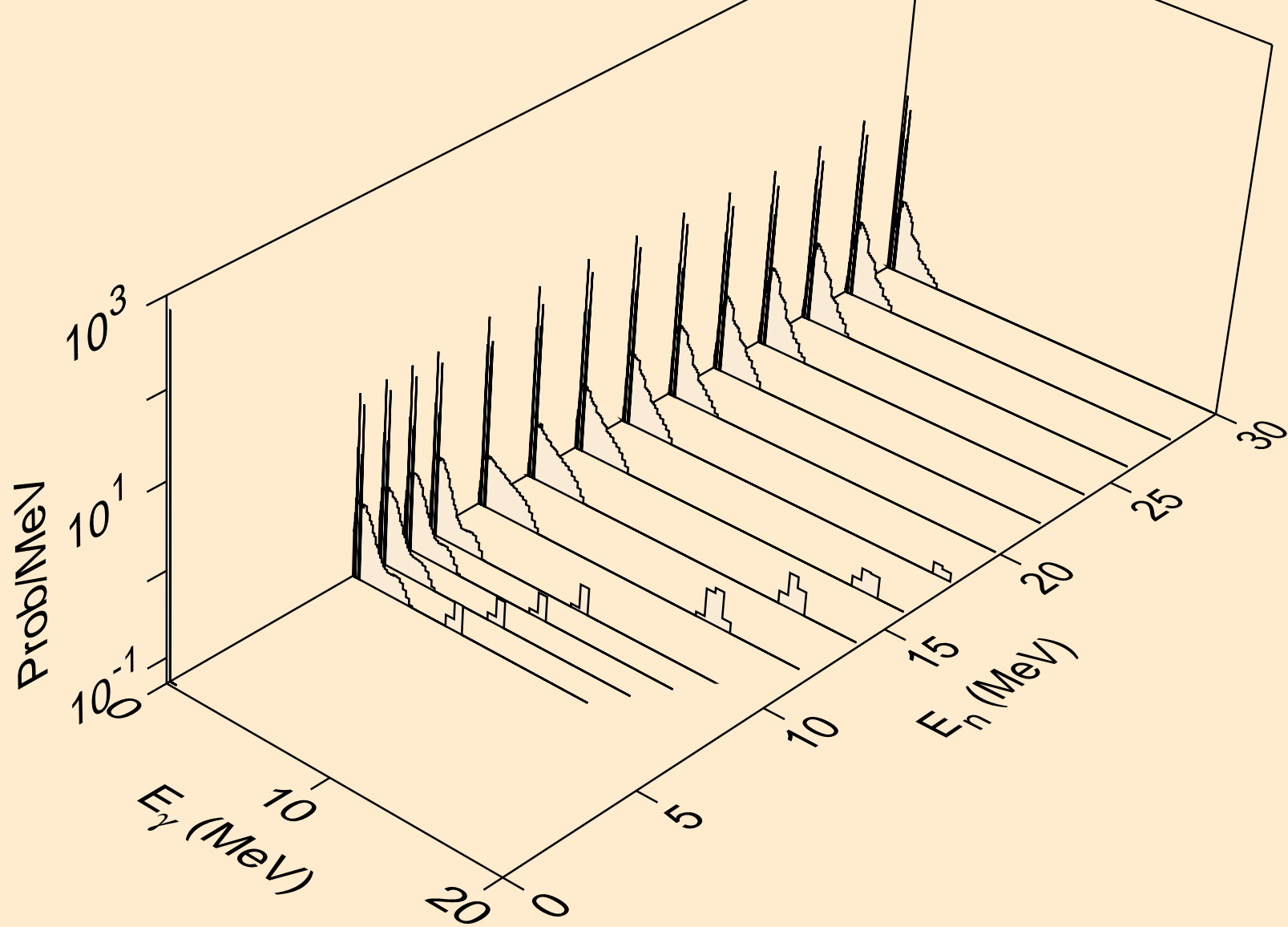
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



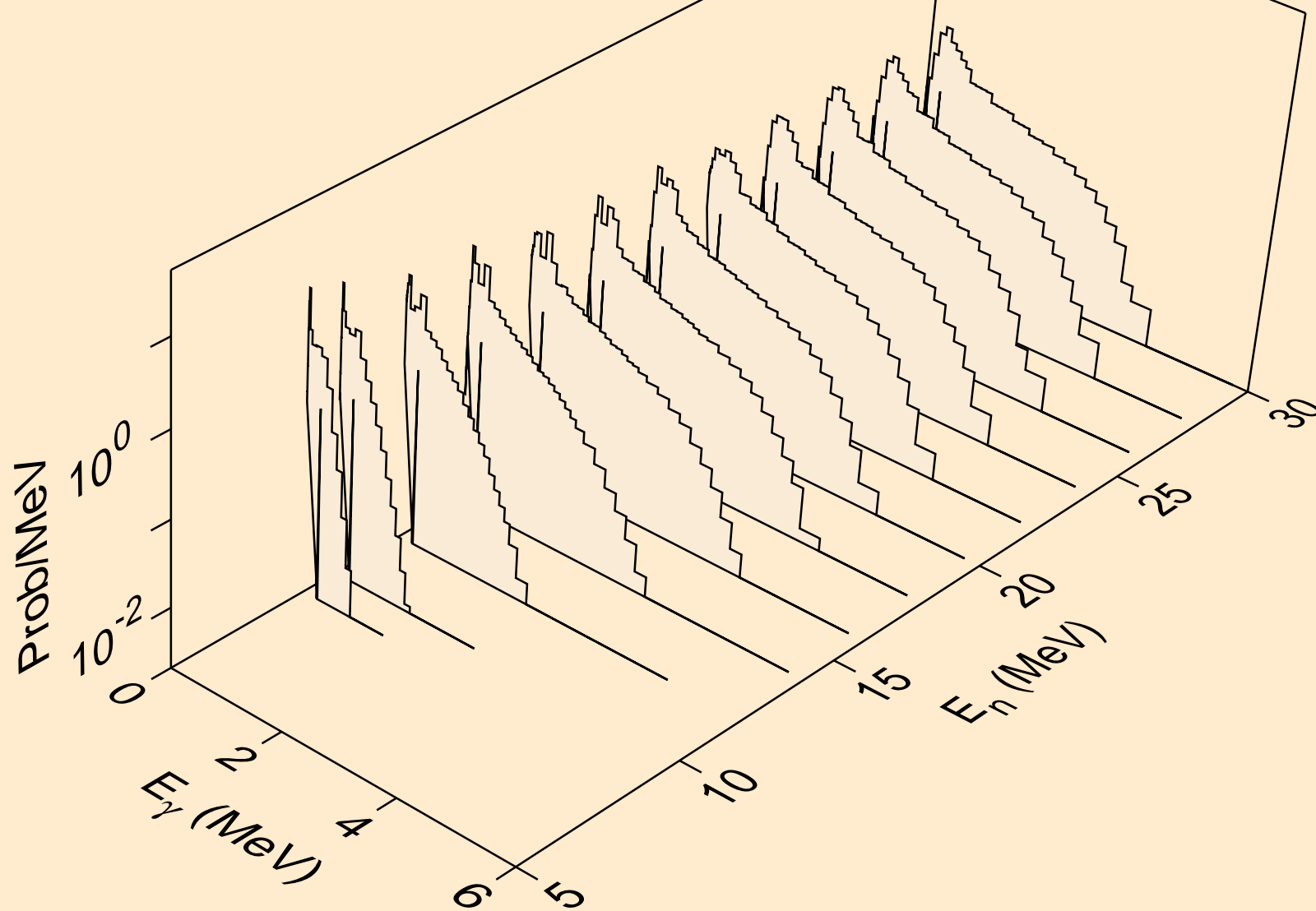
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Photon emission for (n,3np)



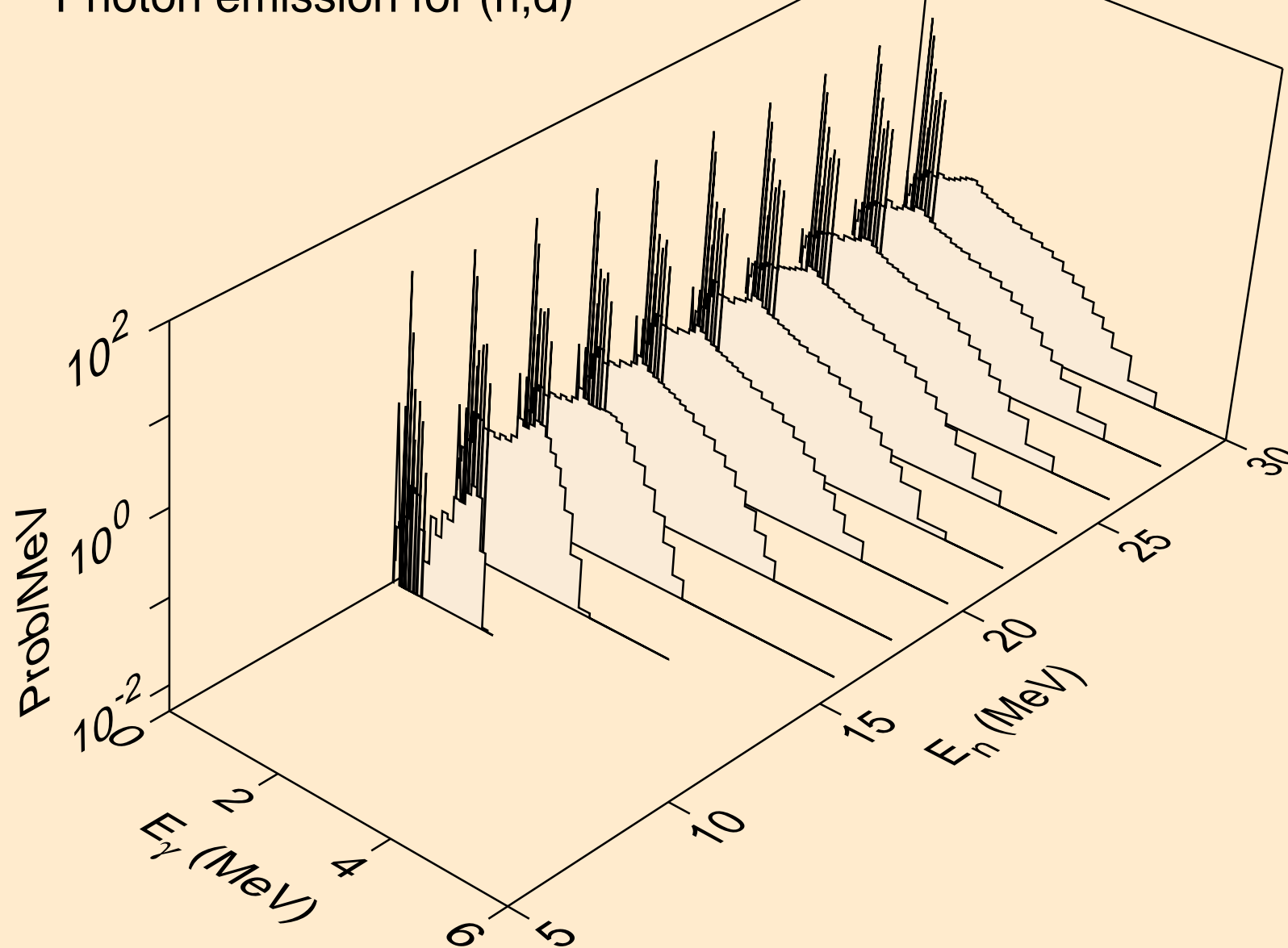
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,gma)



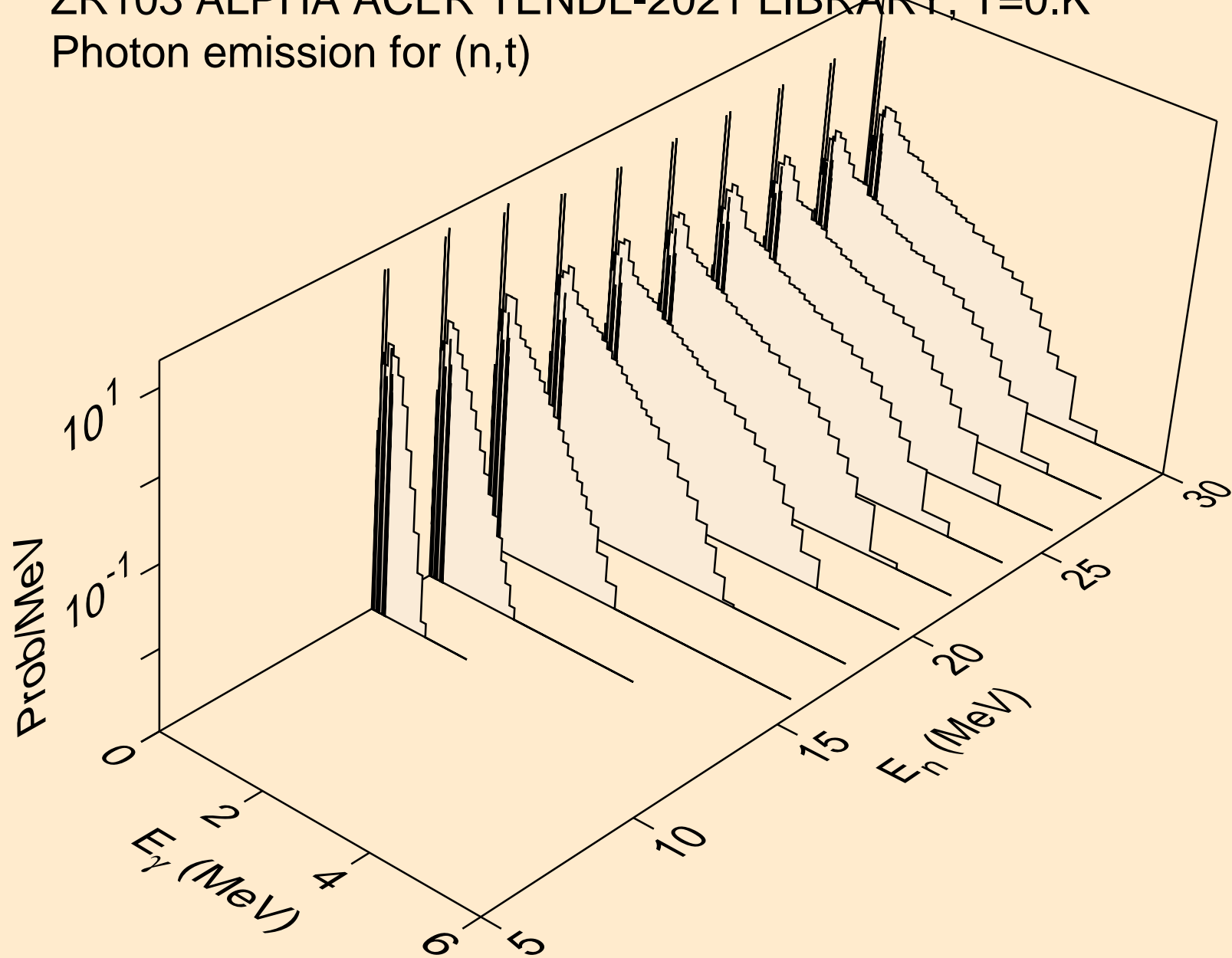
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,p)



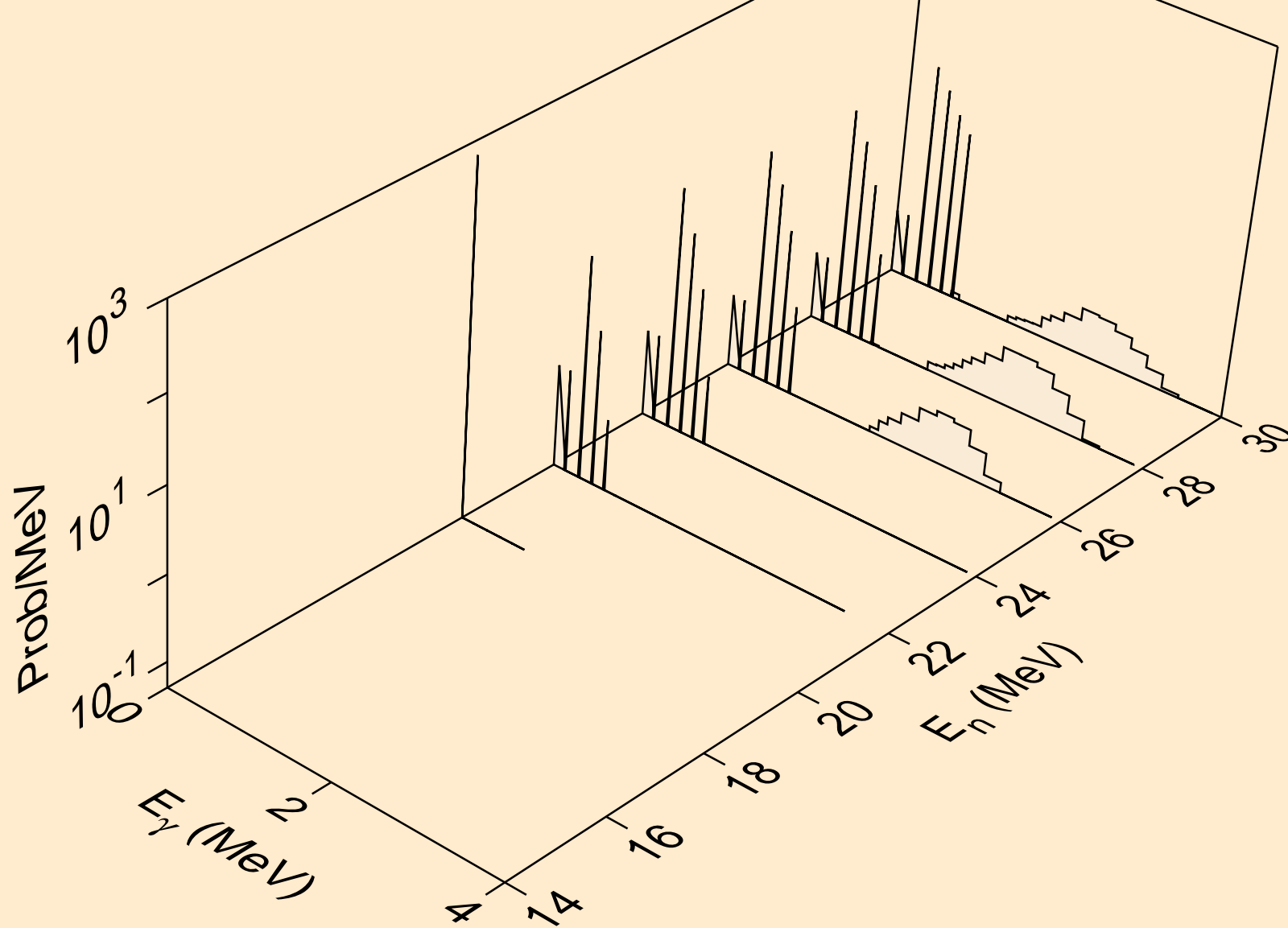
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,d)



ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,t)

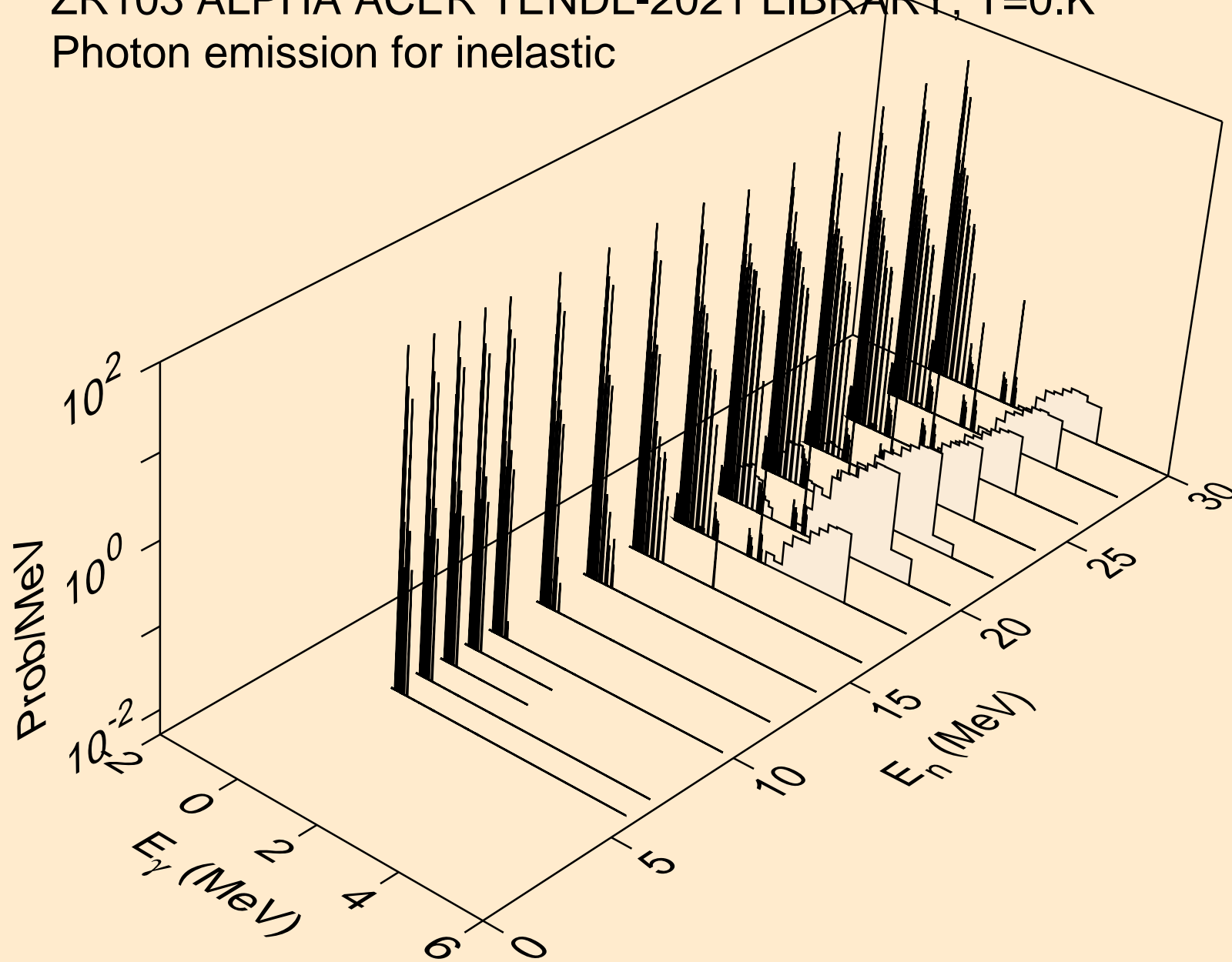


ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,he3)

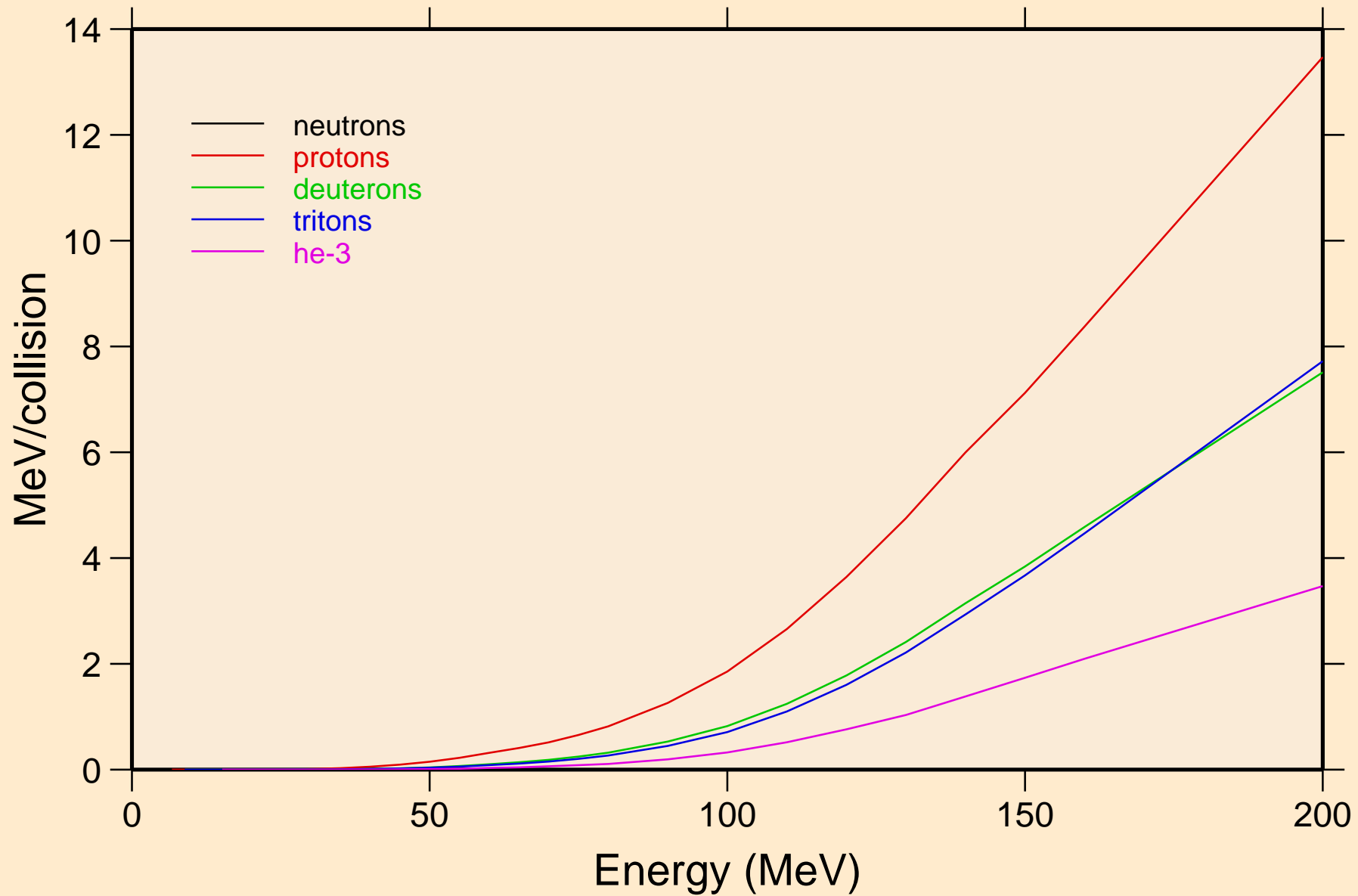




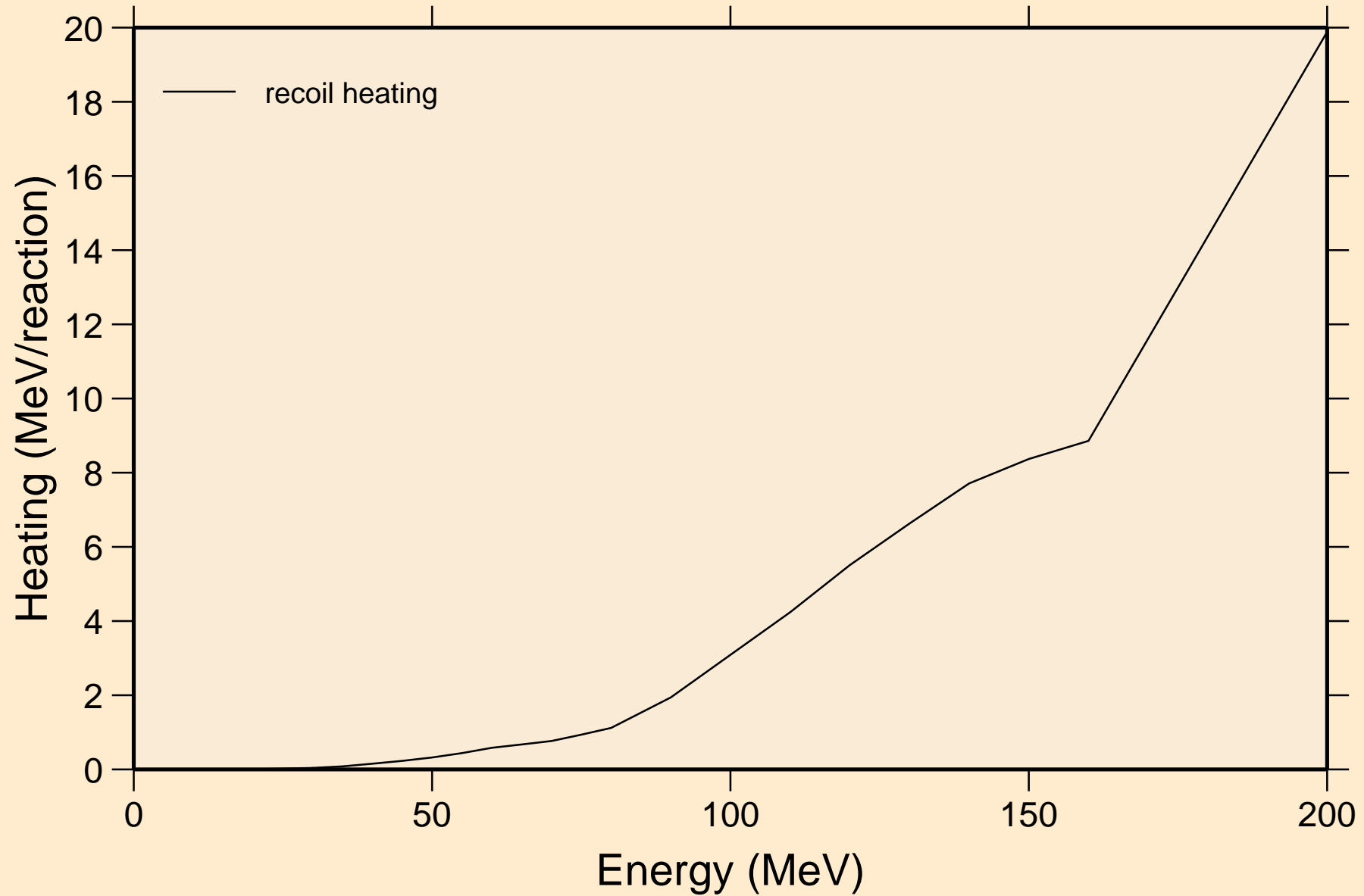
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic



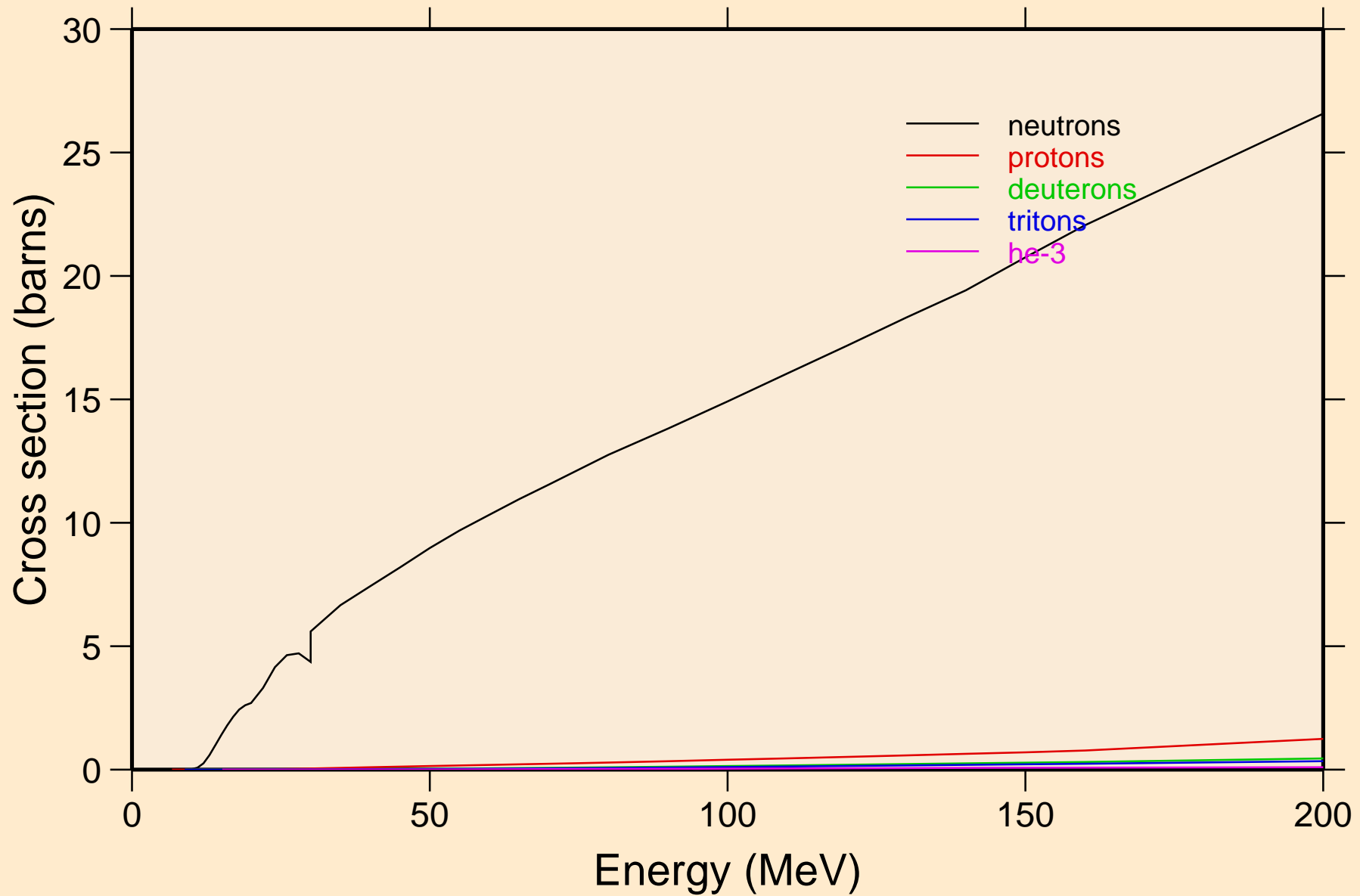
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Particle heating contributions



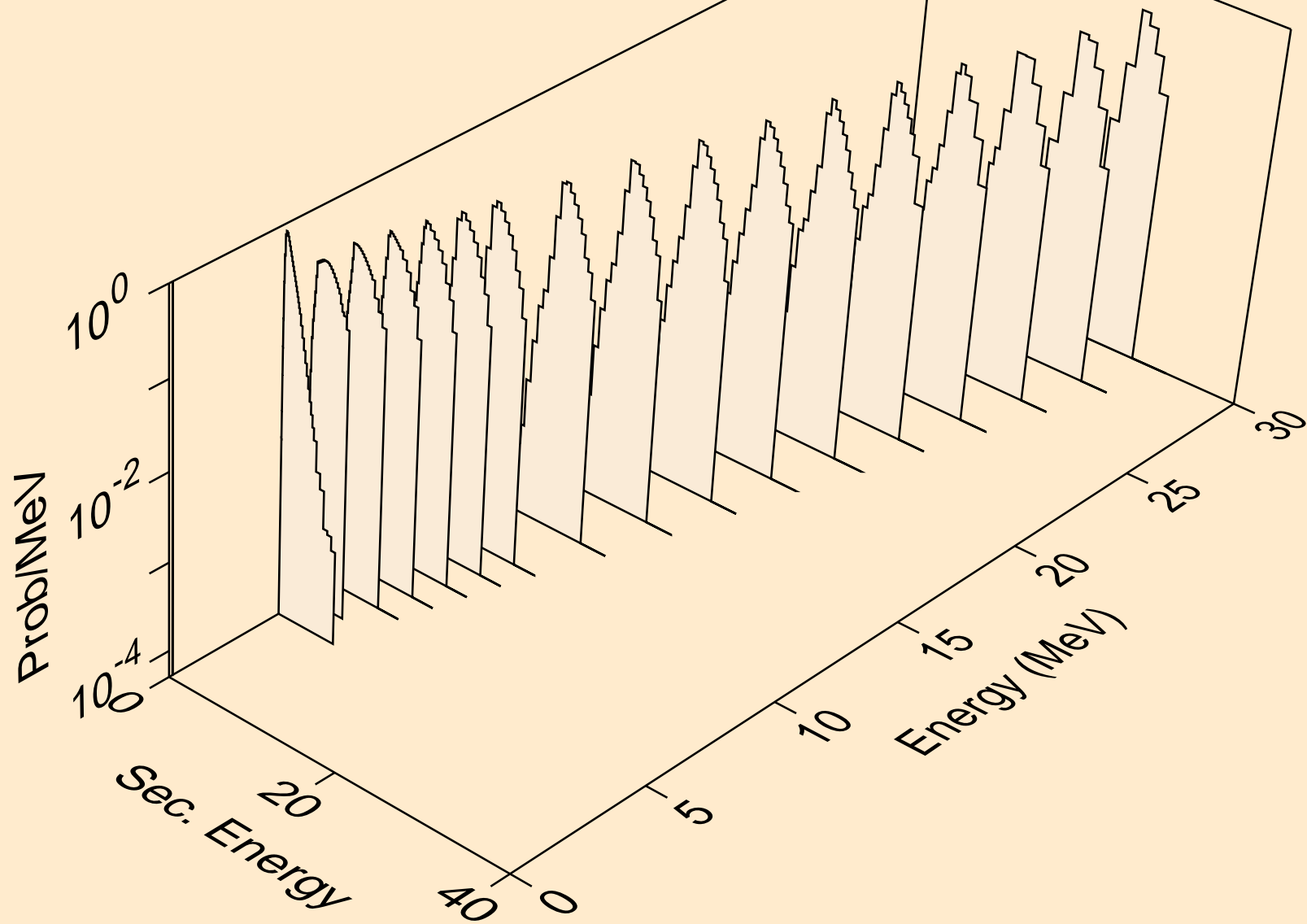
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Recoil Heating



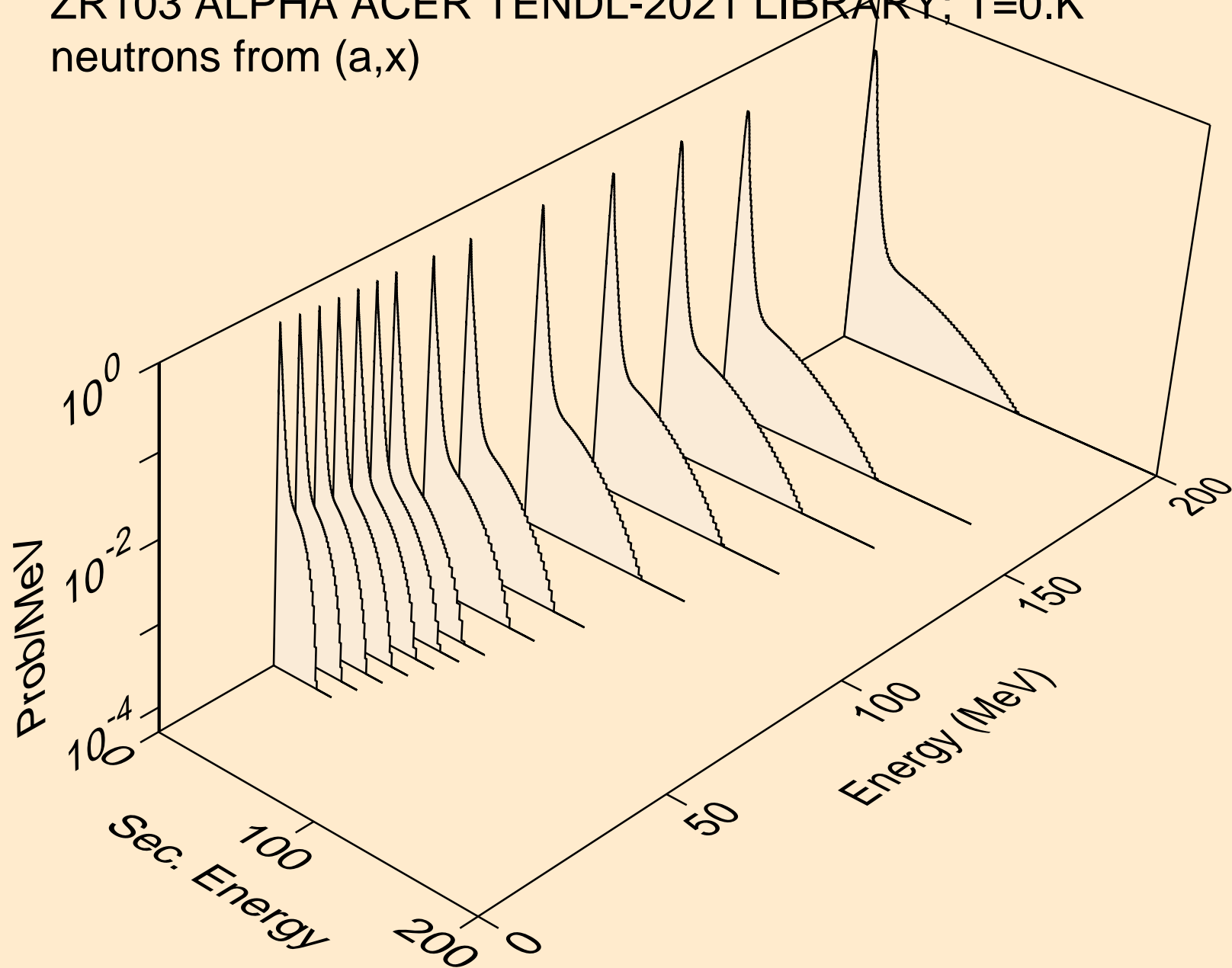
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Particle production cross sections



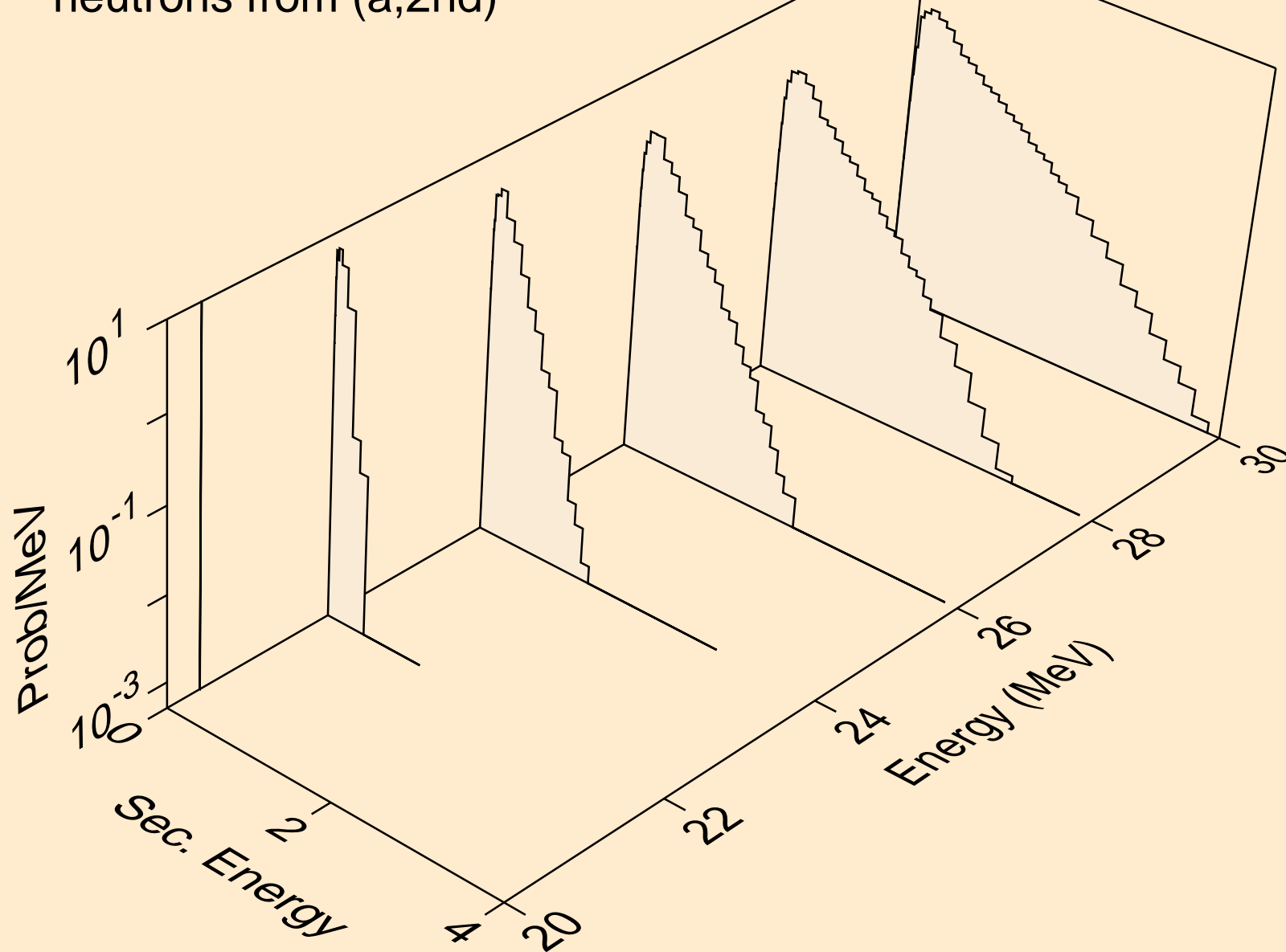
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n)



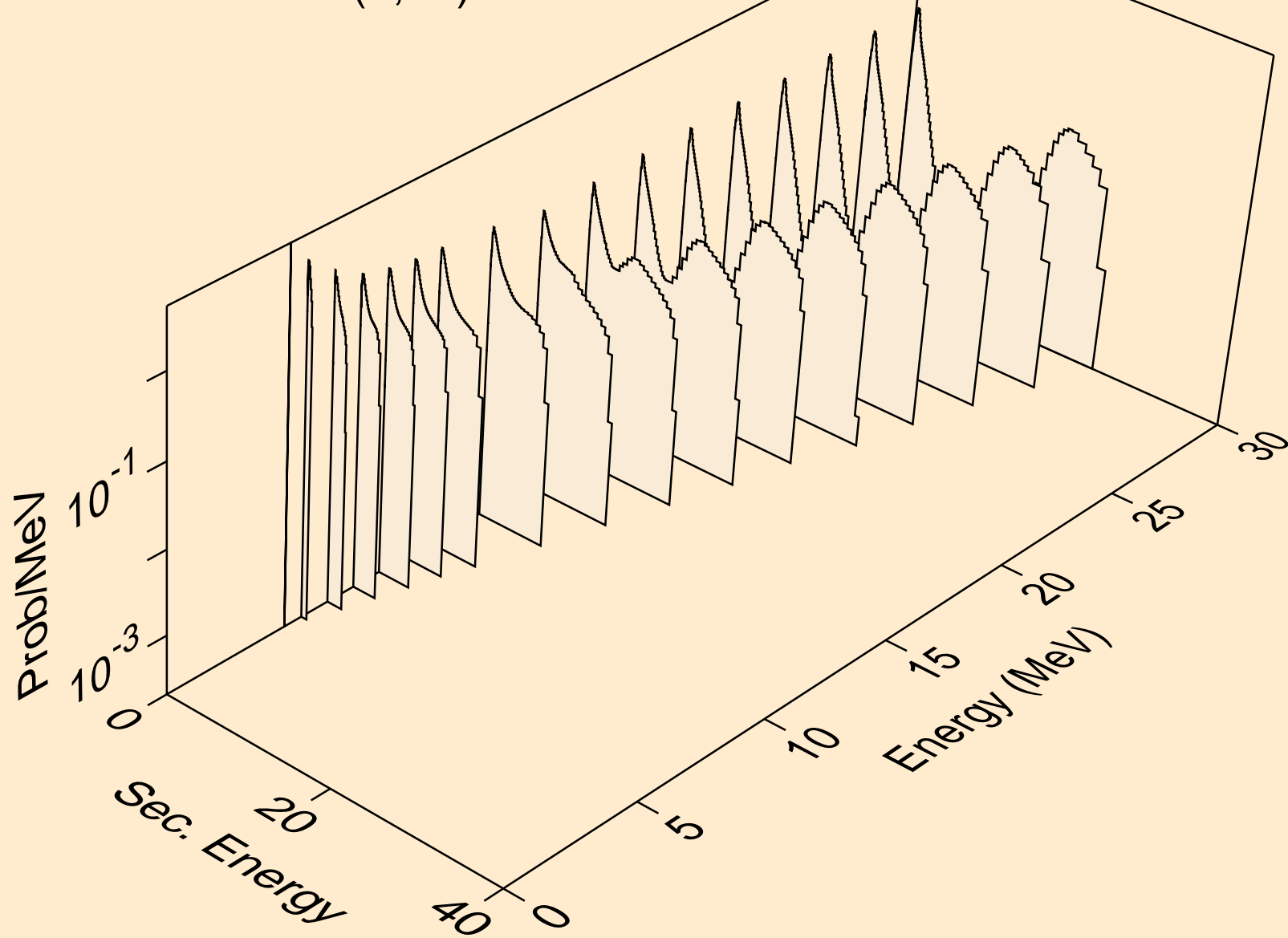
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,x)



ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,2nd)

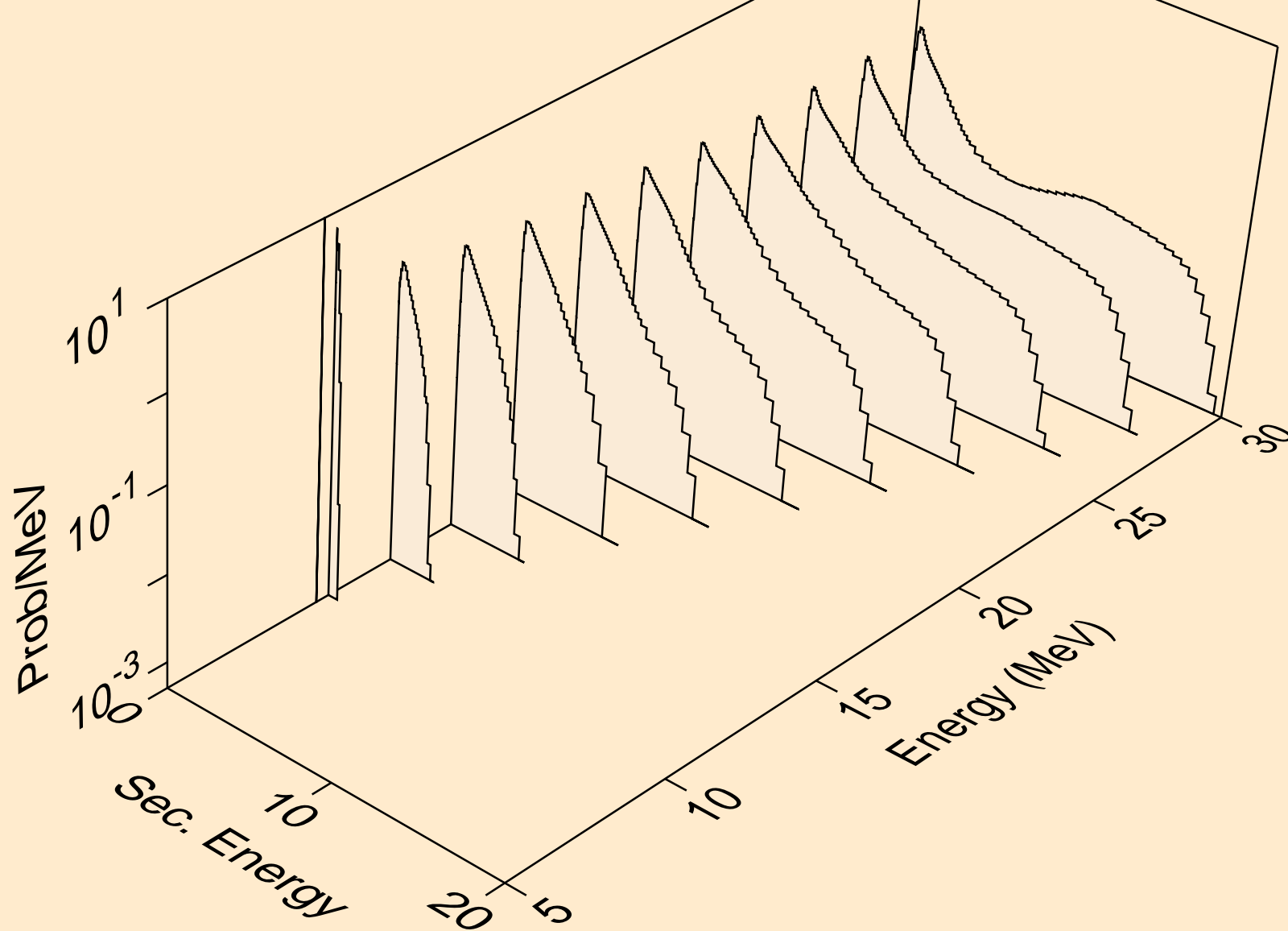


ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,2n)

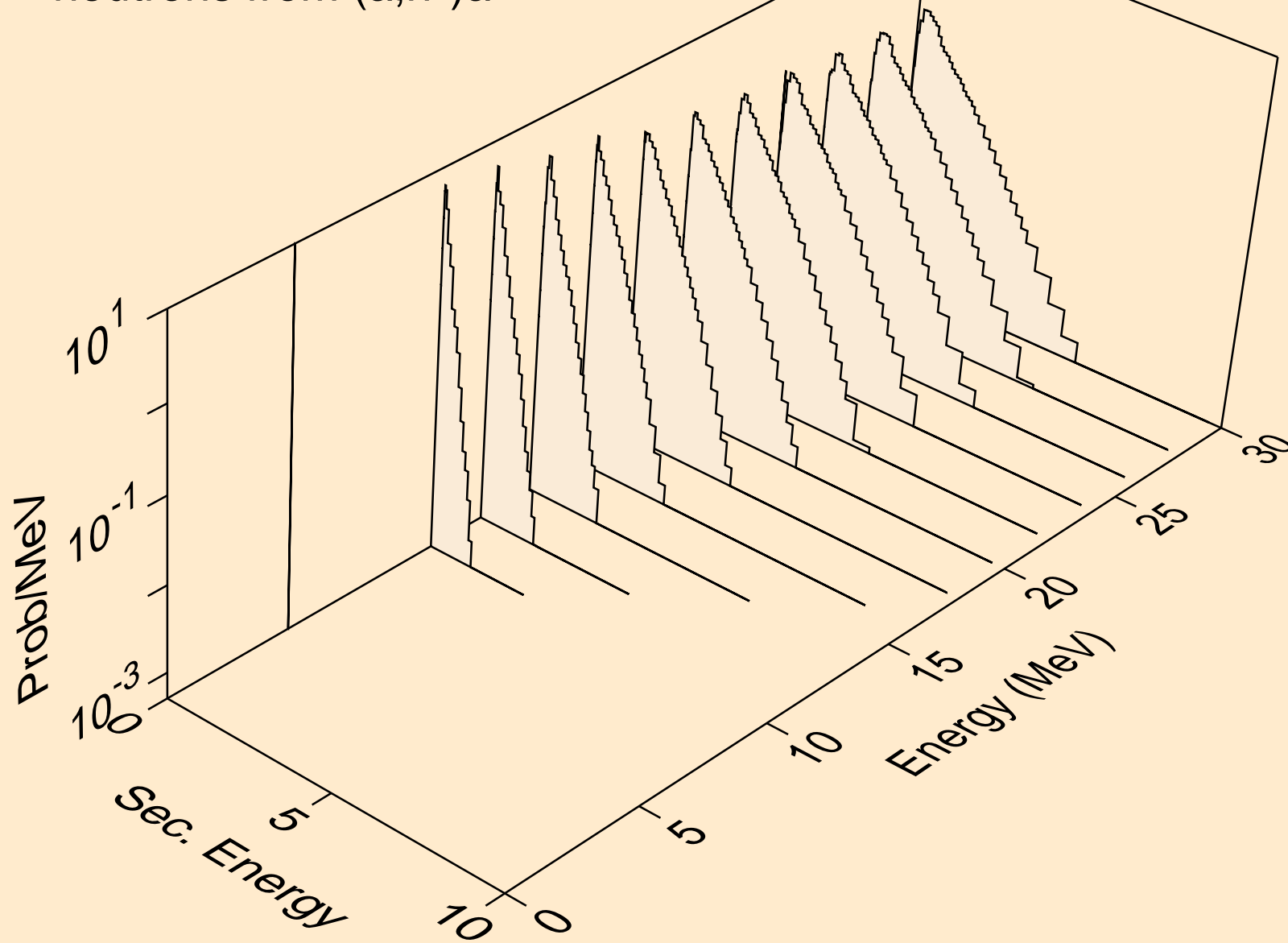




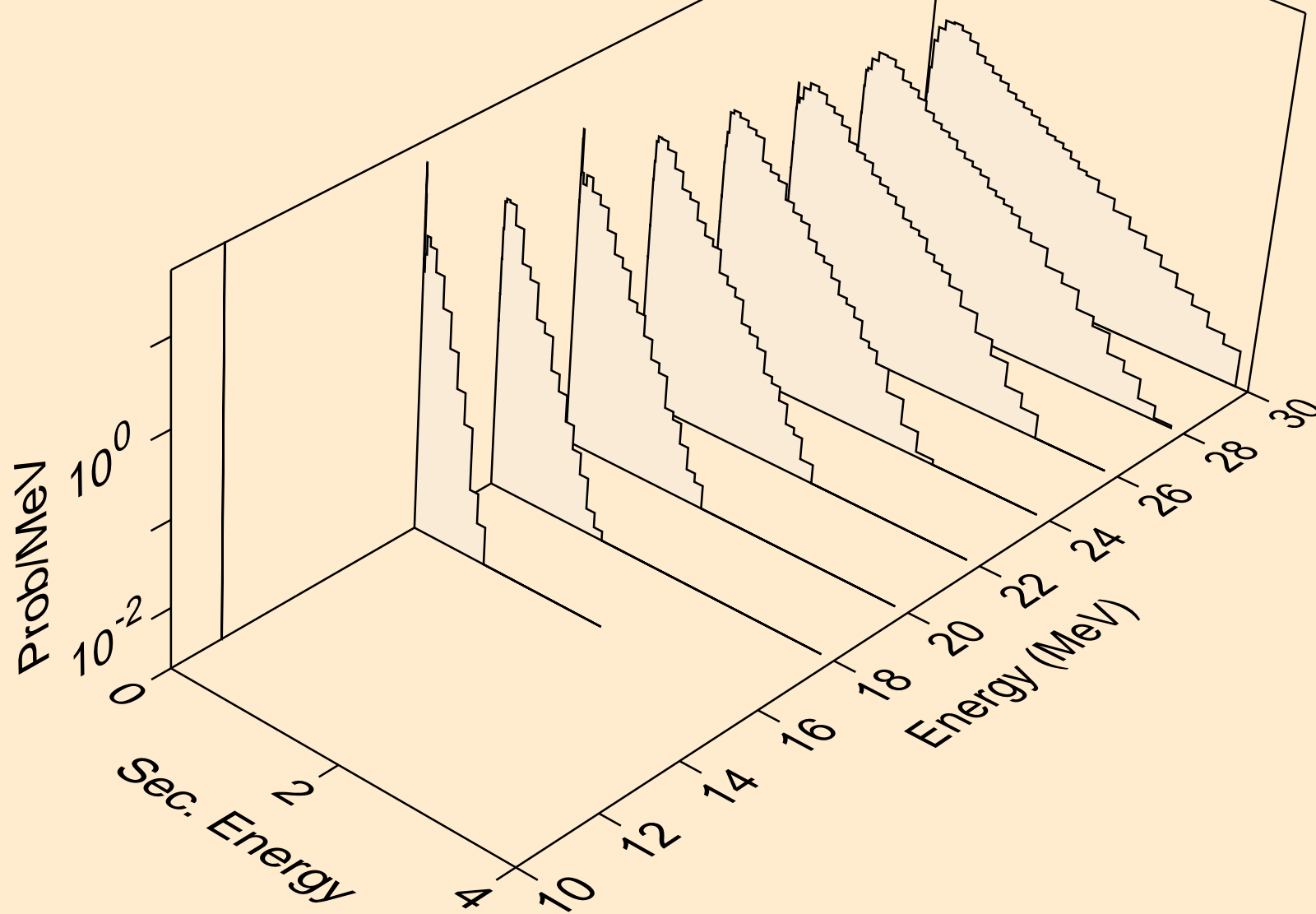
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,3n)



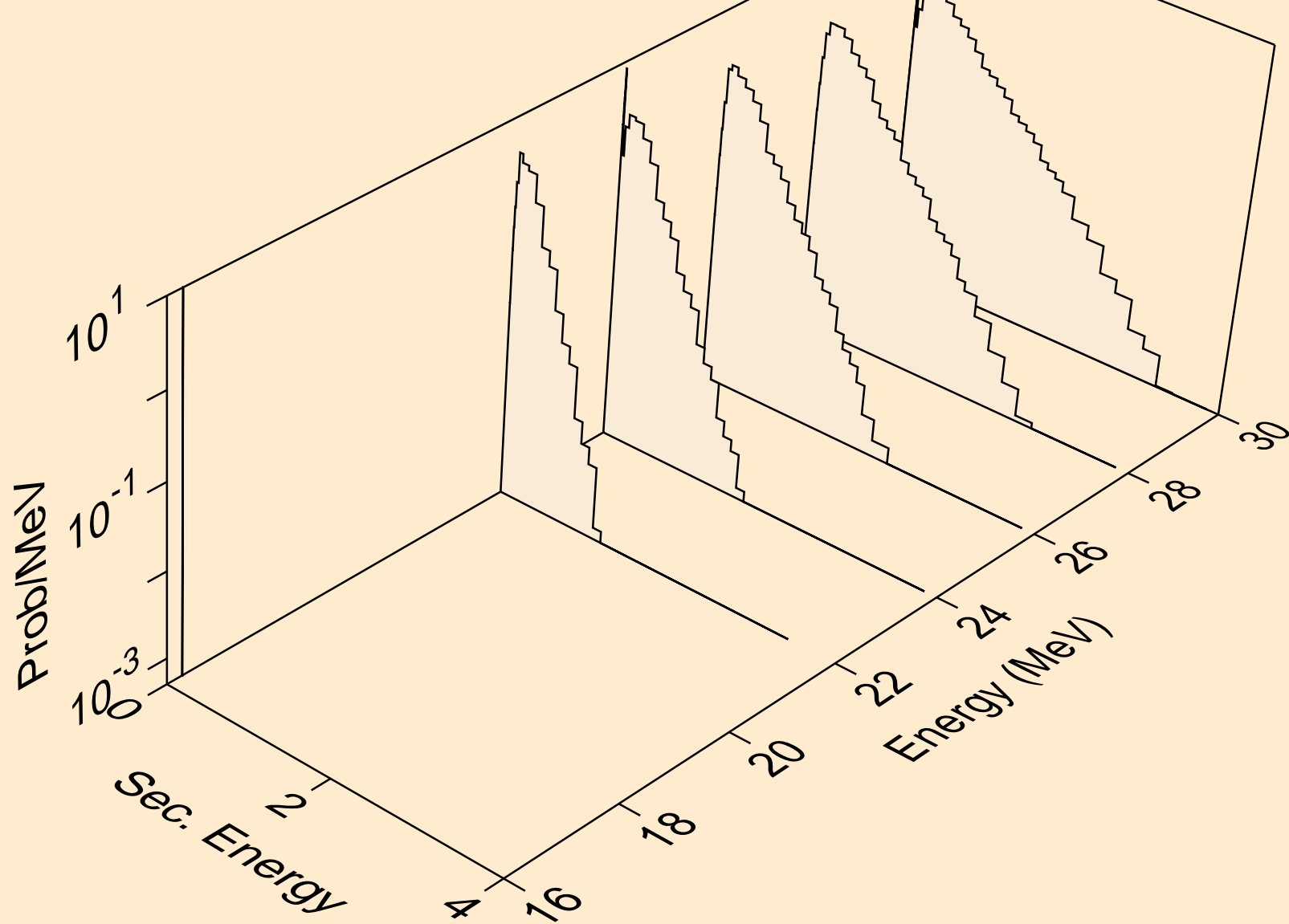
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)a



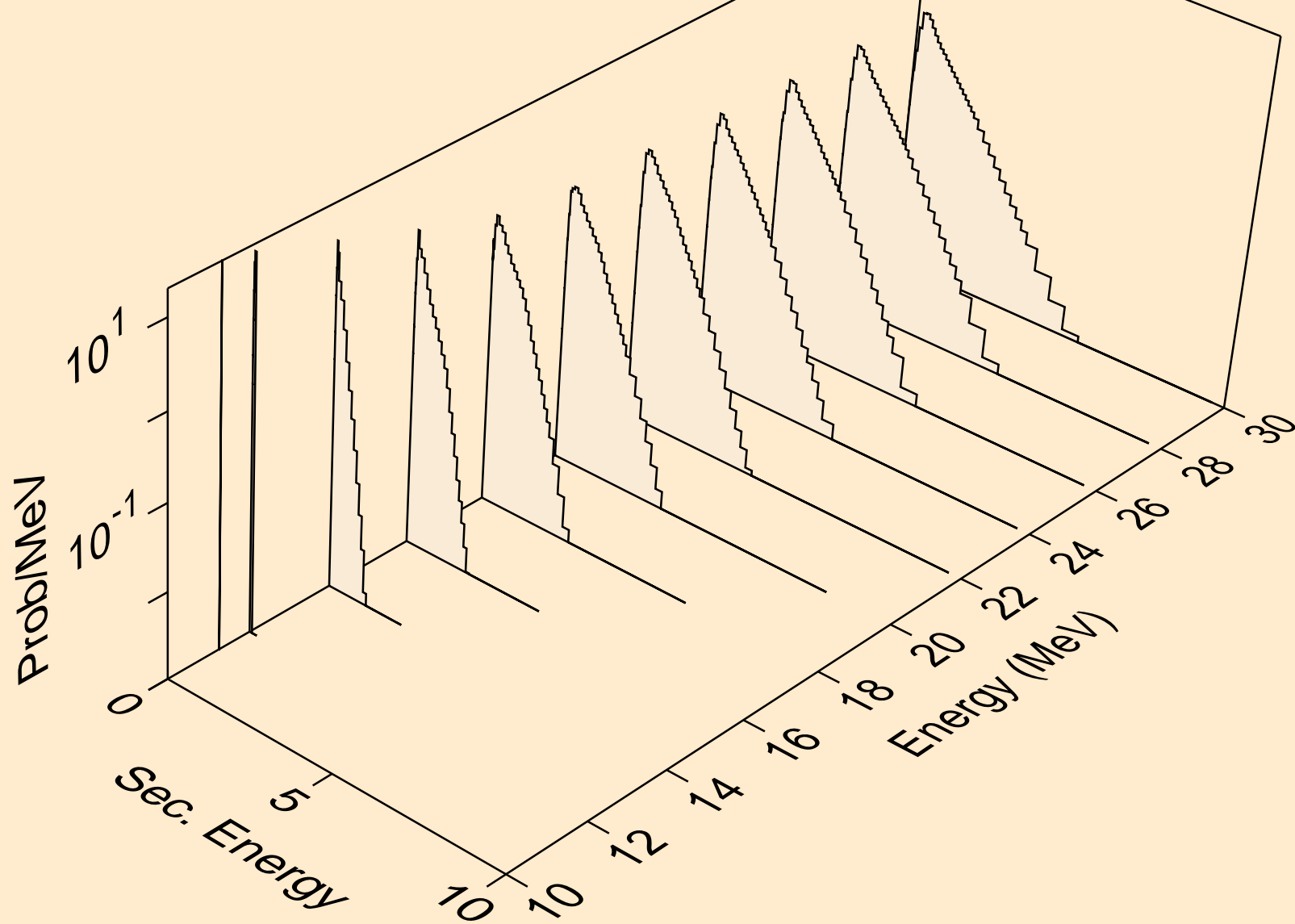
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,2n)a



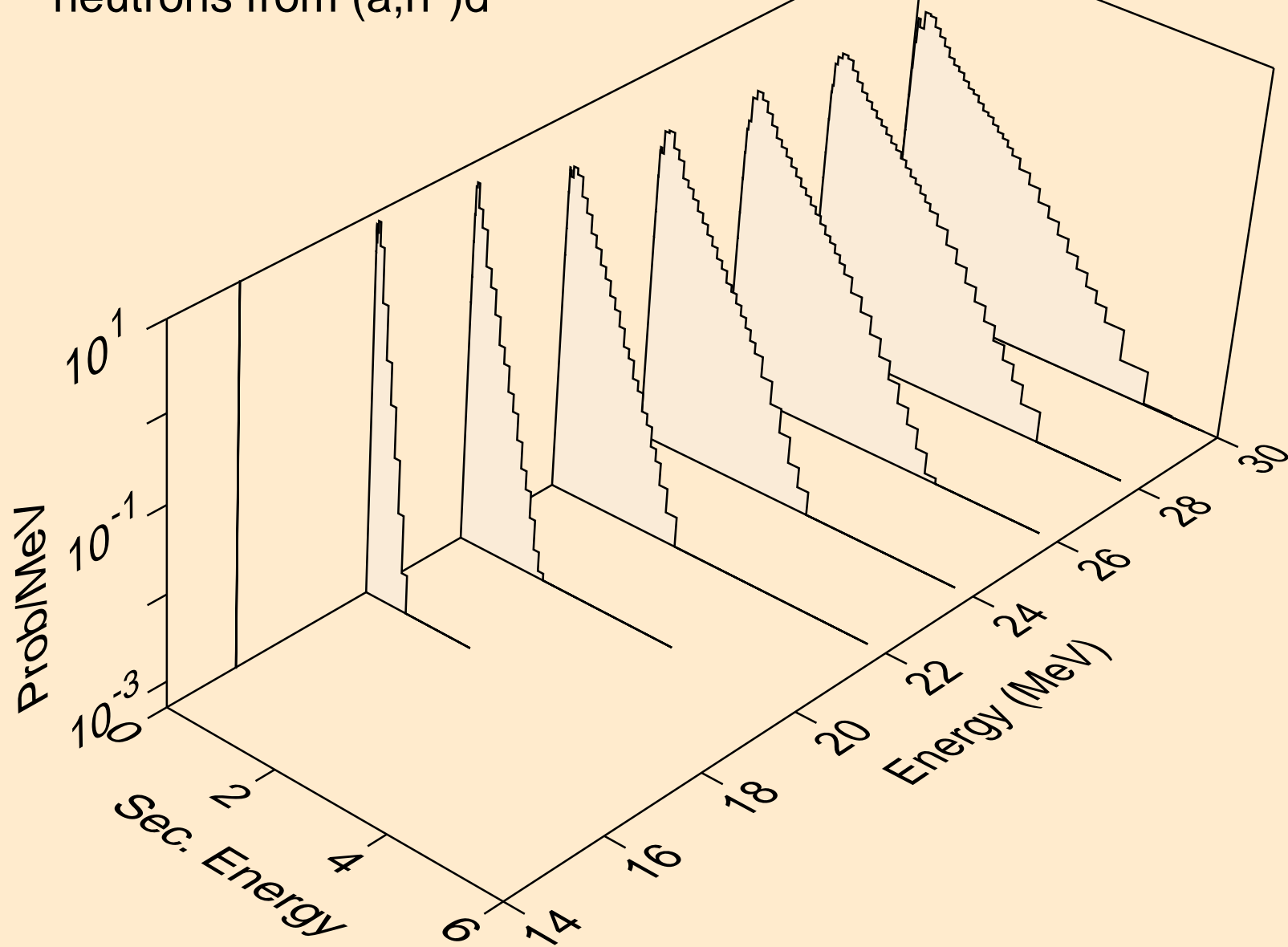
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,3n)a



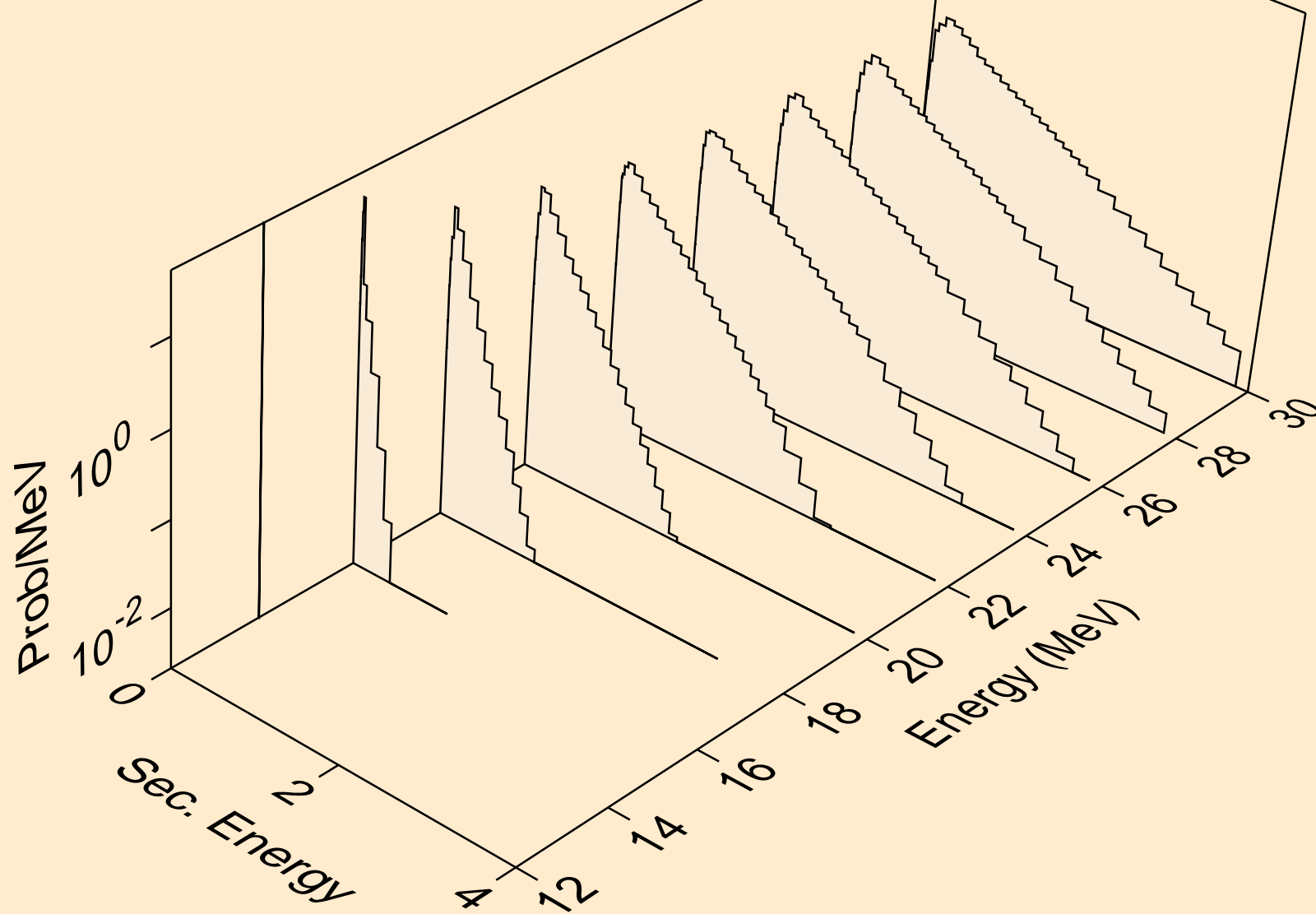
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)p



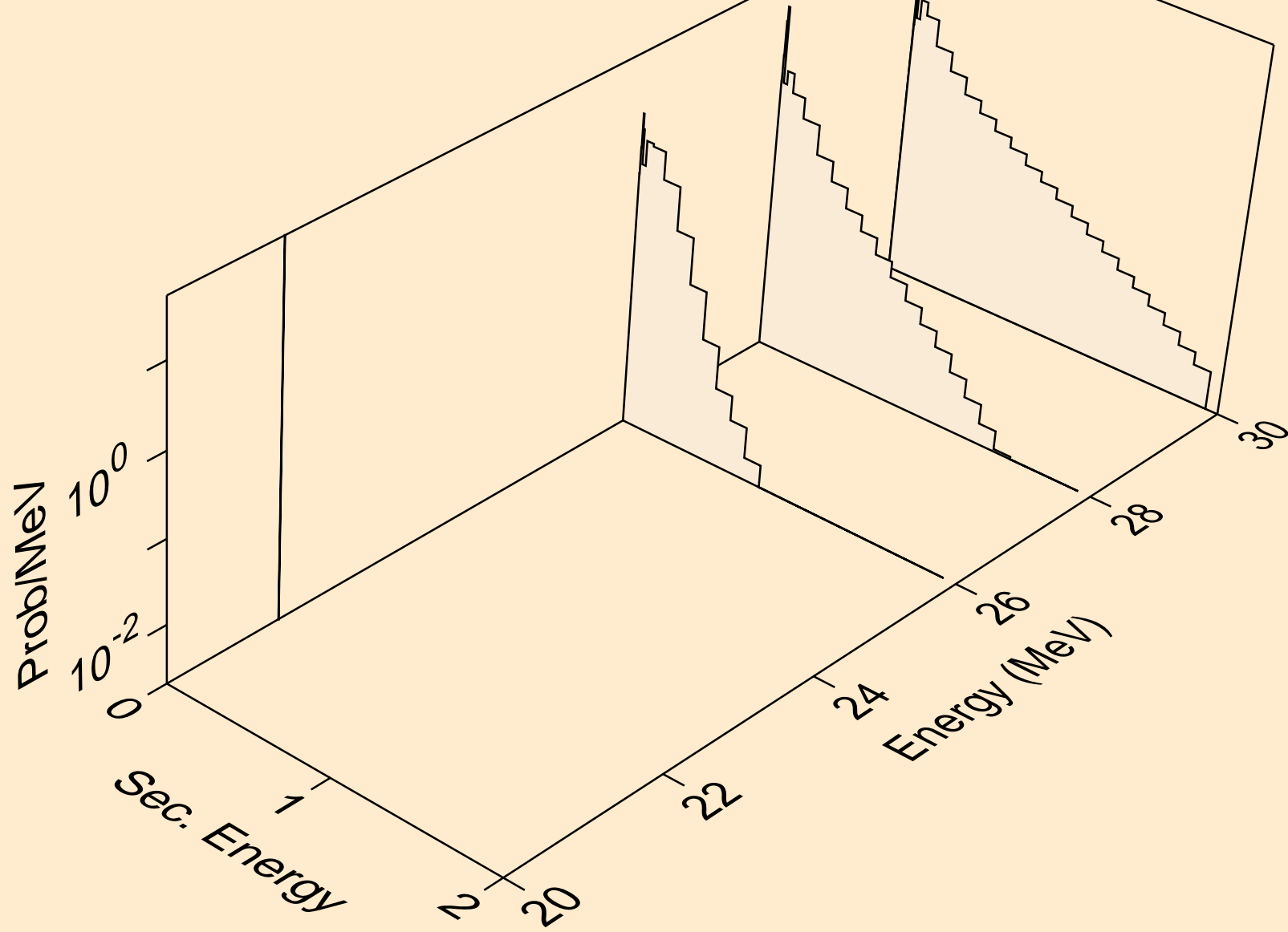
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)d



ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)t

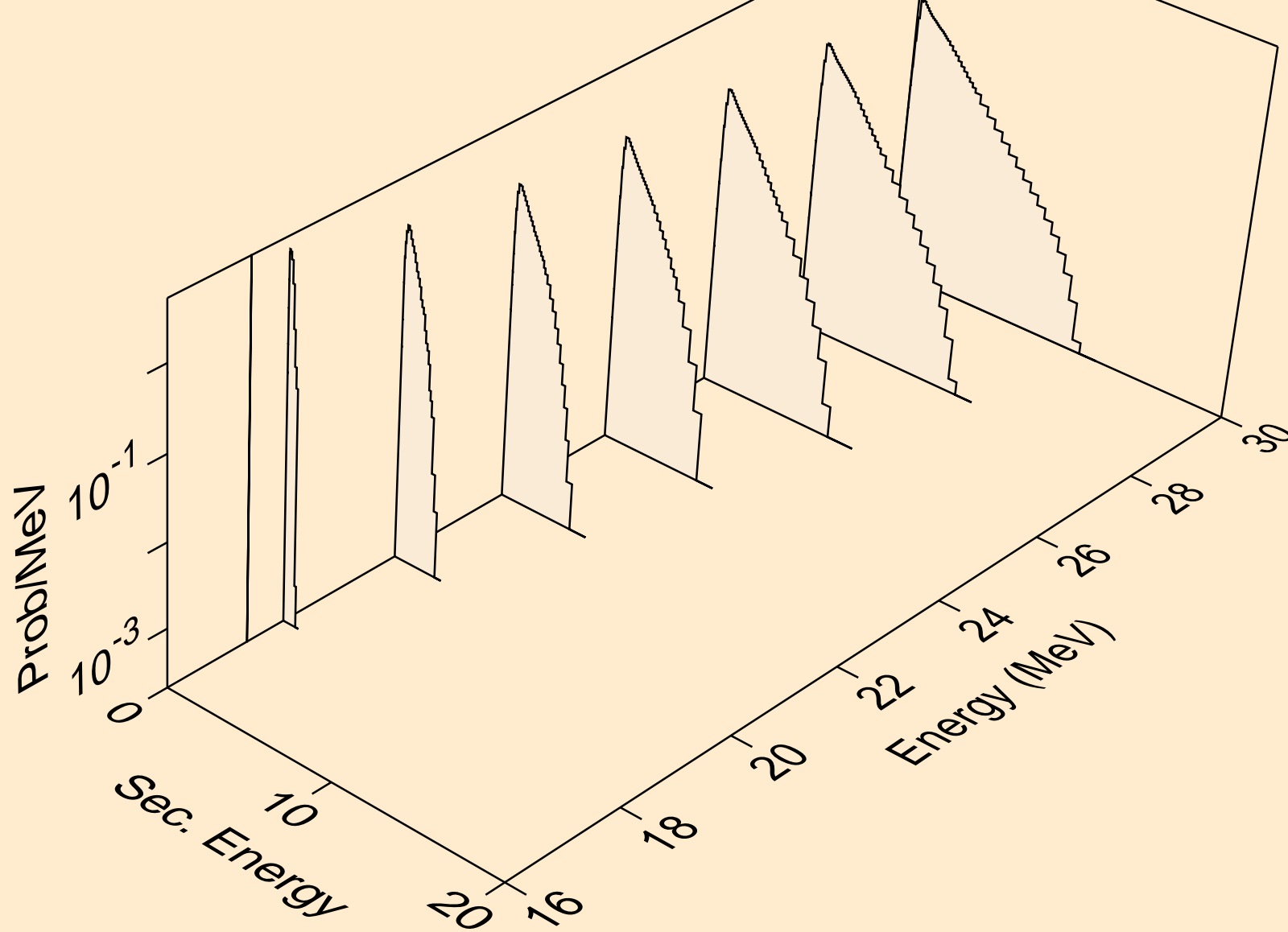


ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)he3

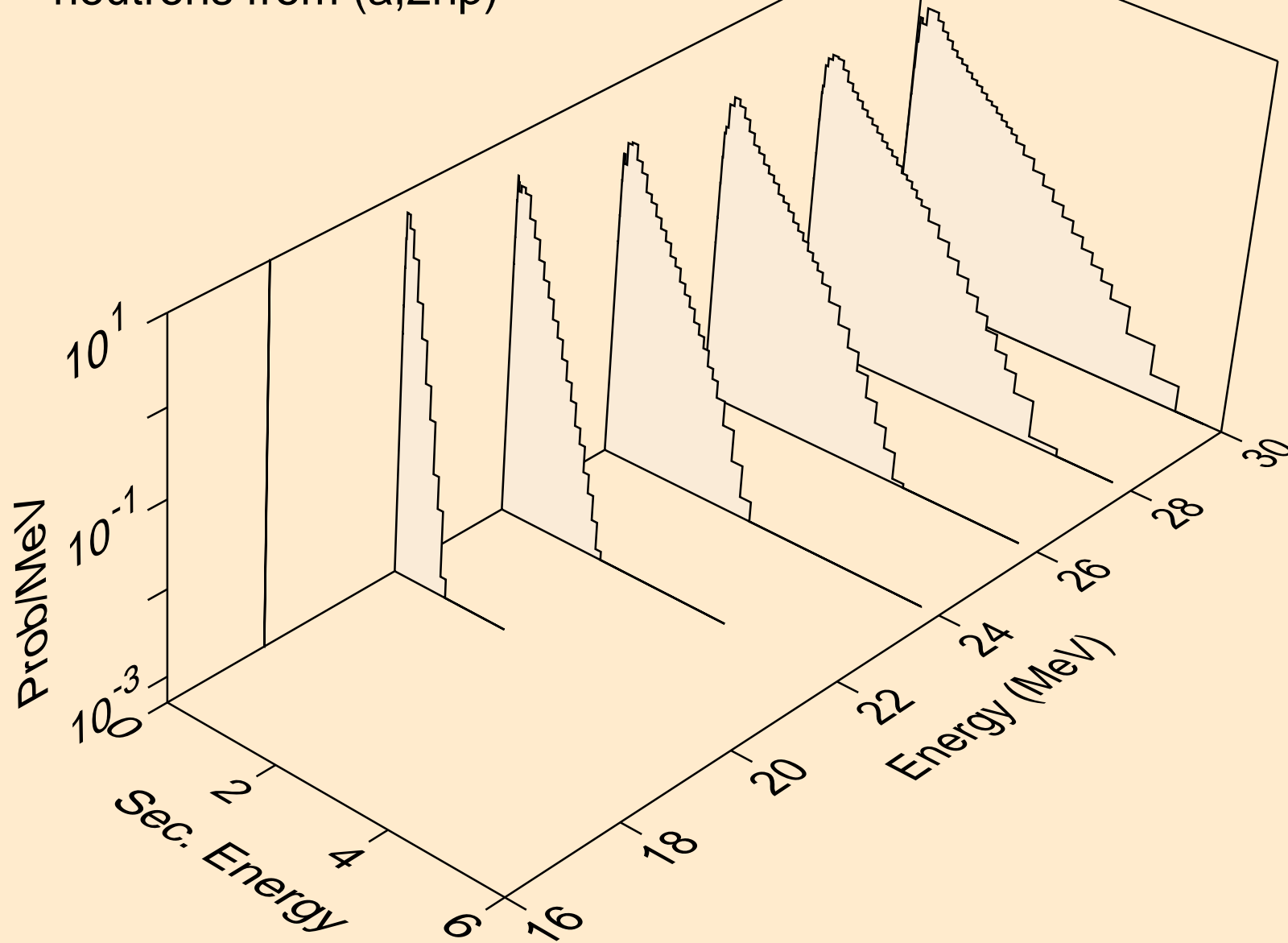




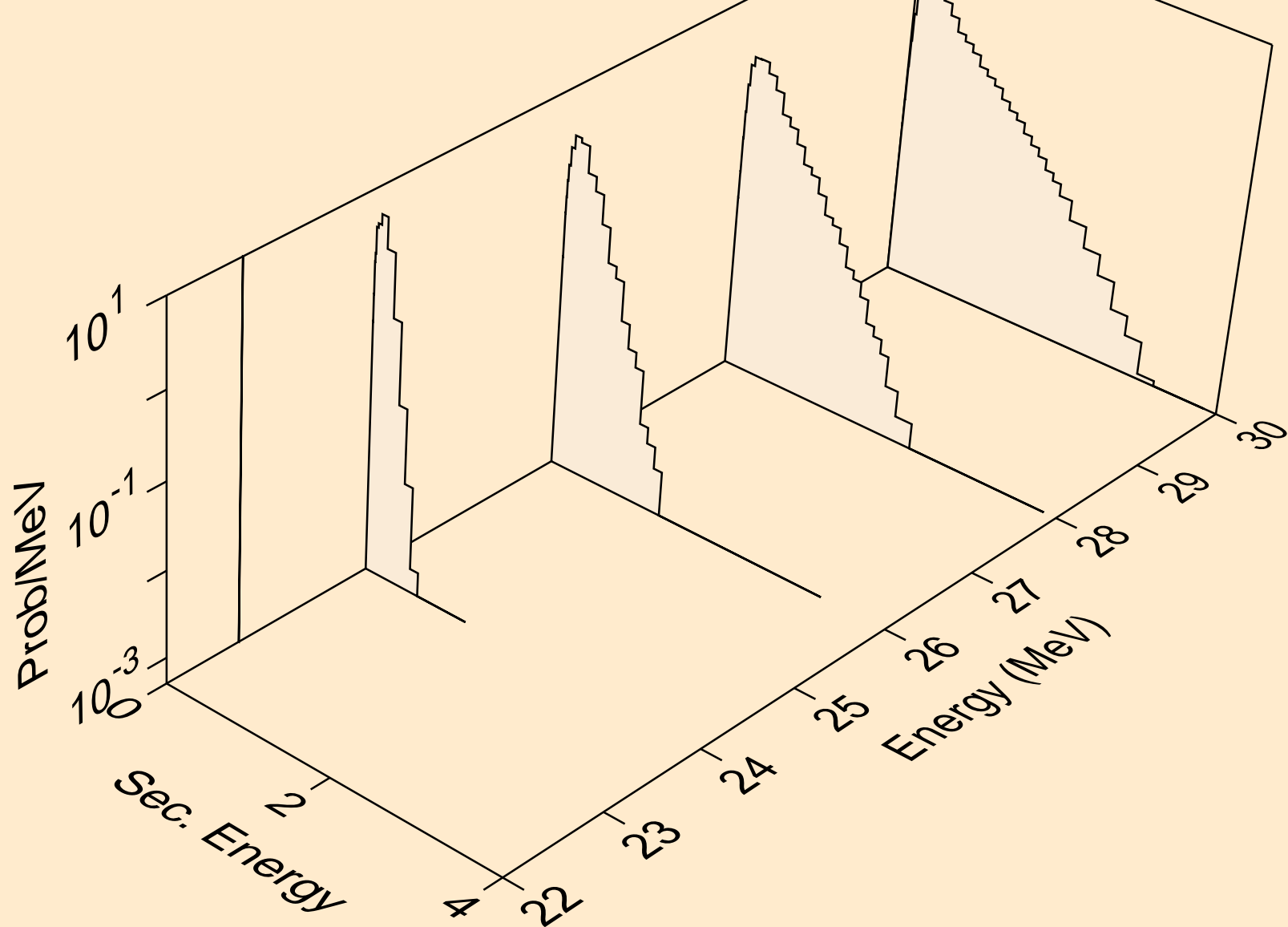
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,4n)



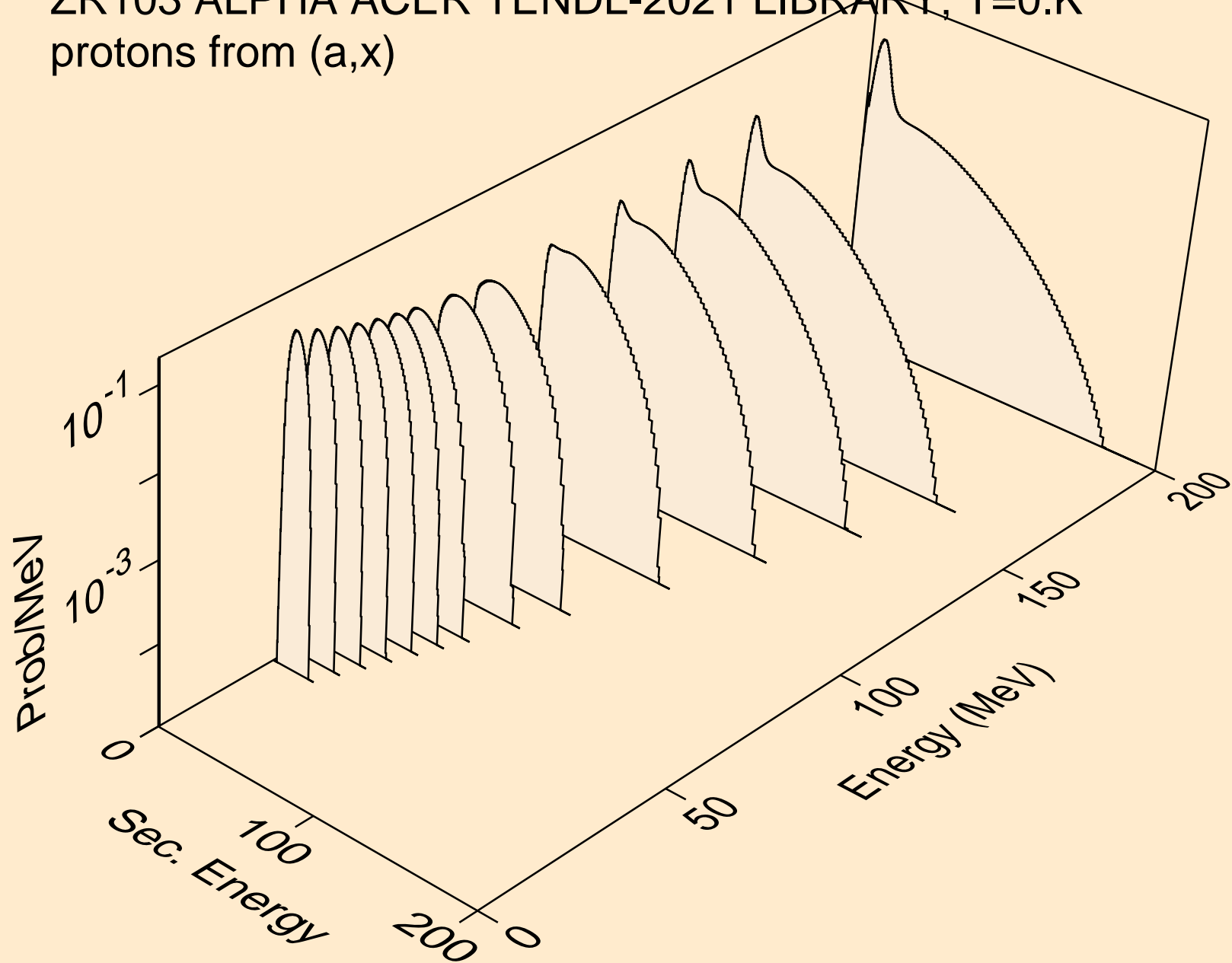
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,2np)



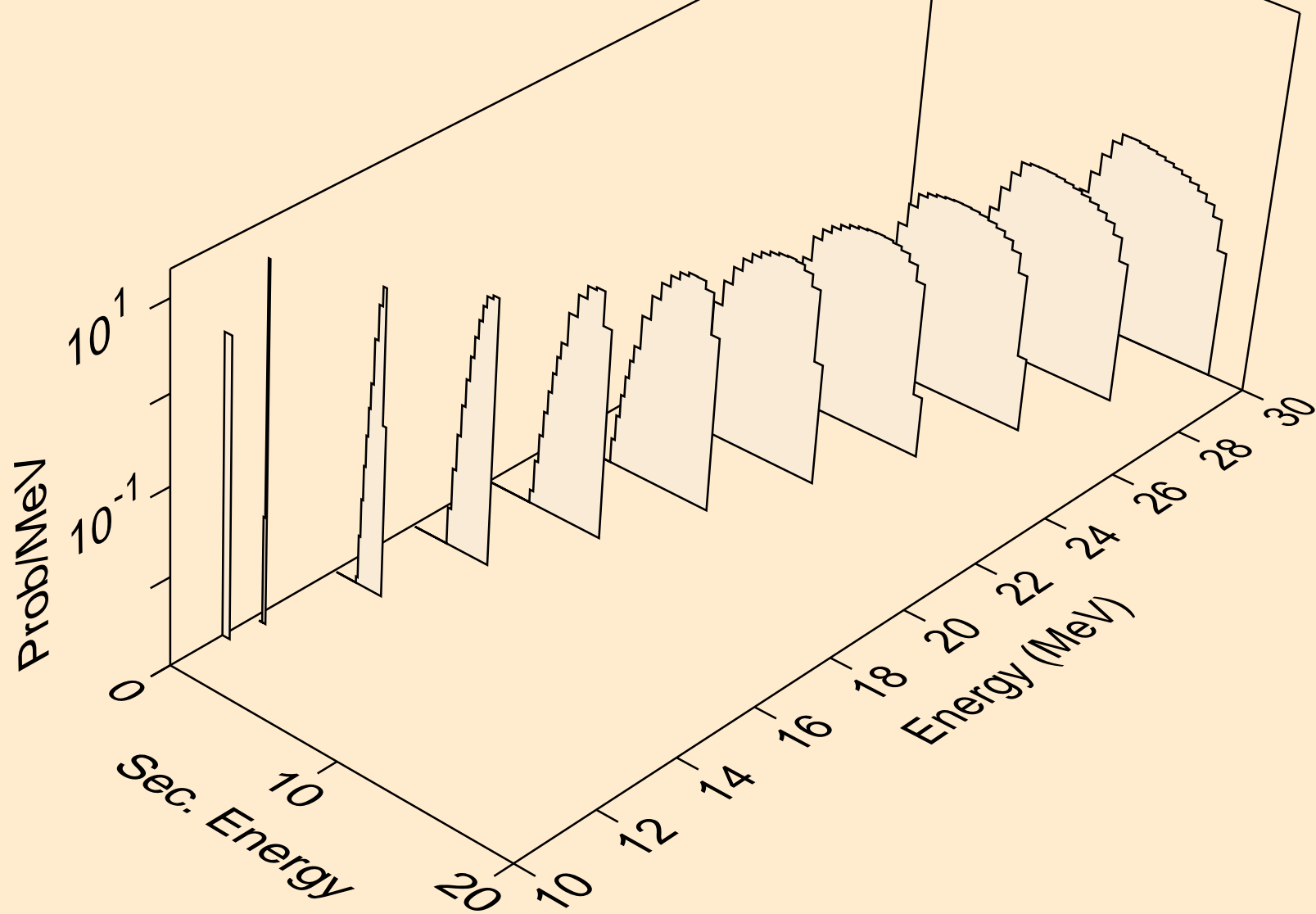
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neutrons from (a,3np)



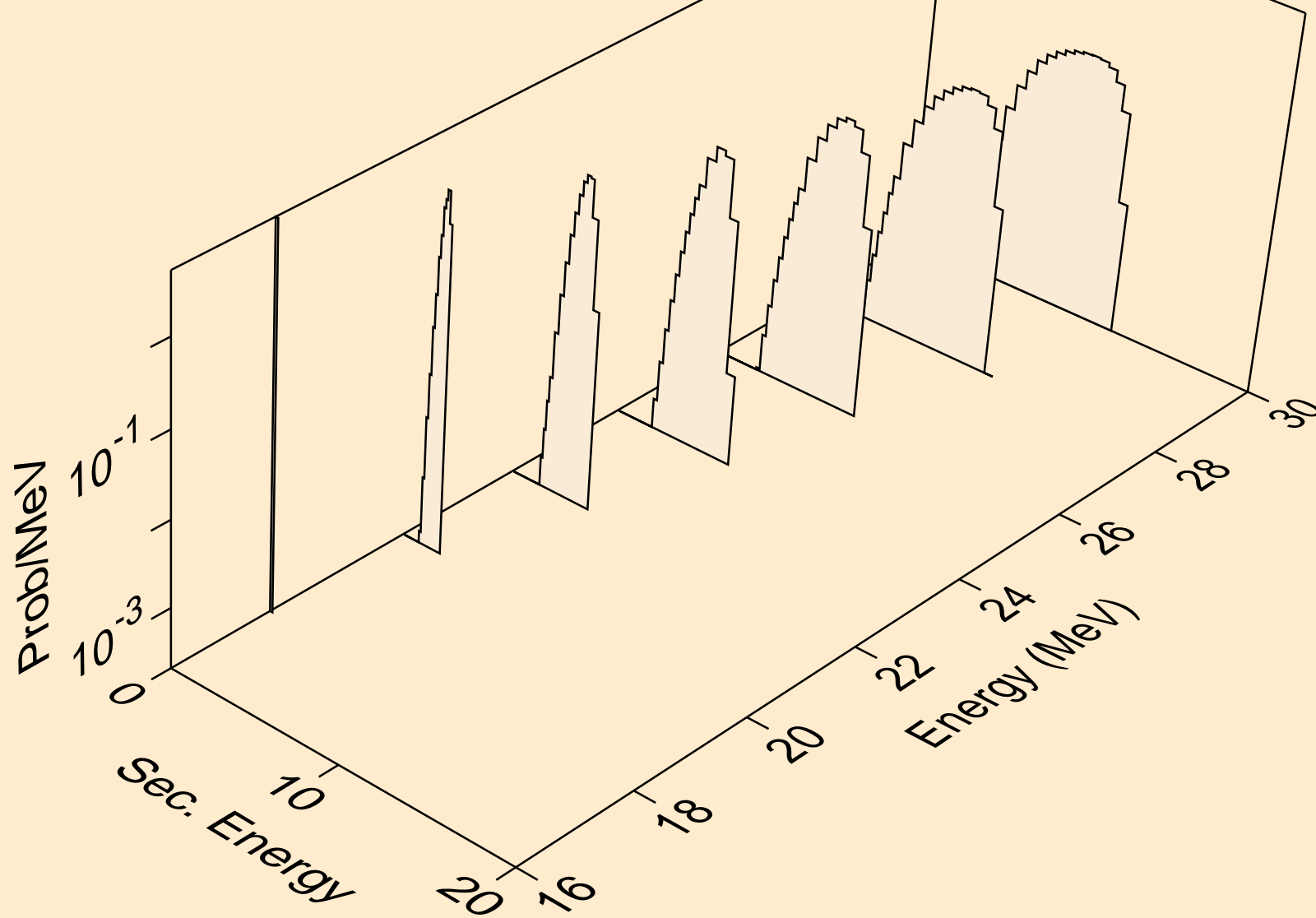
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,x)



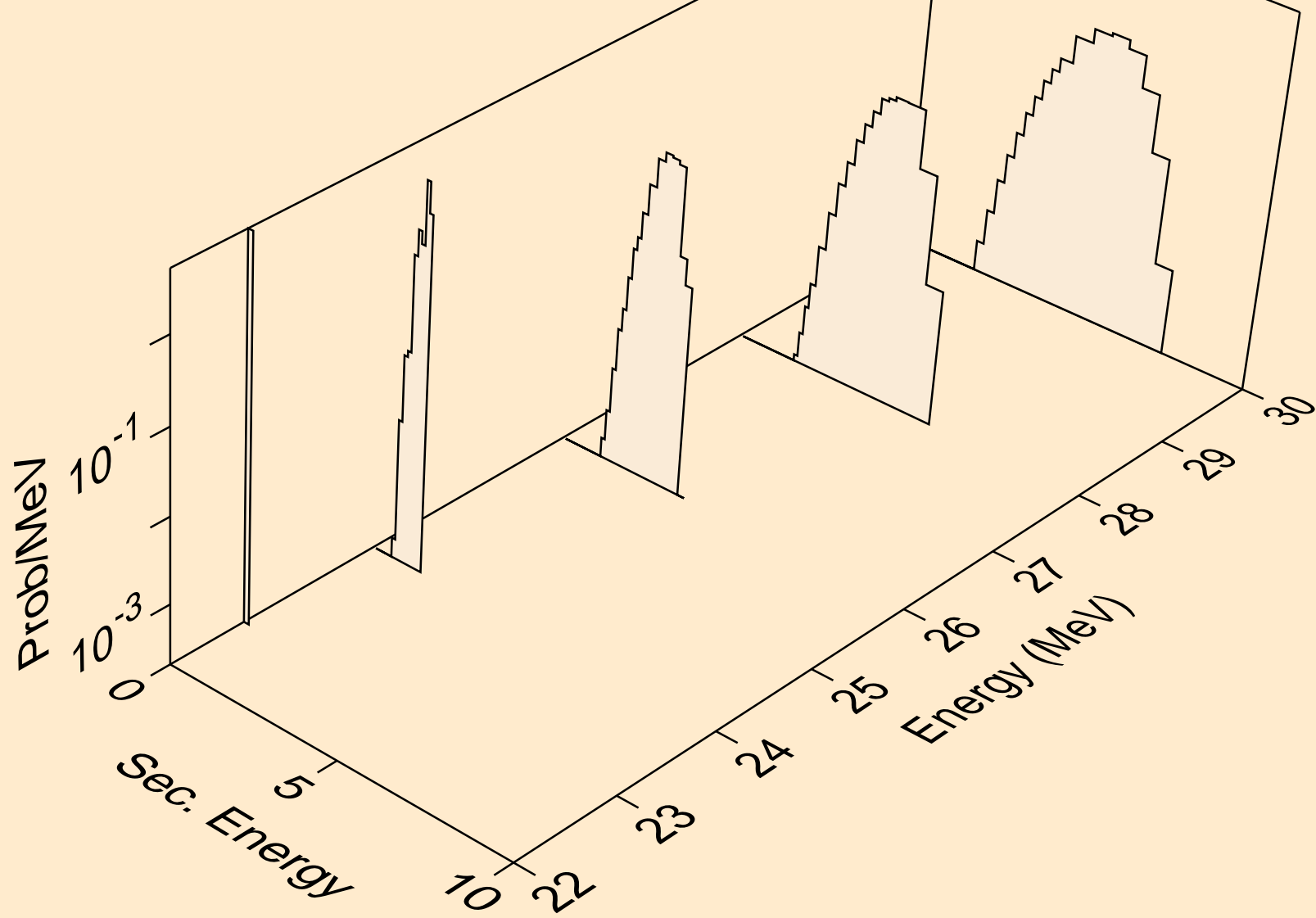
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,n\*)p



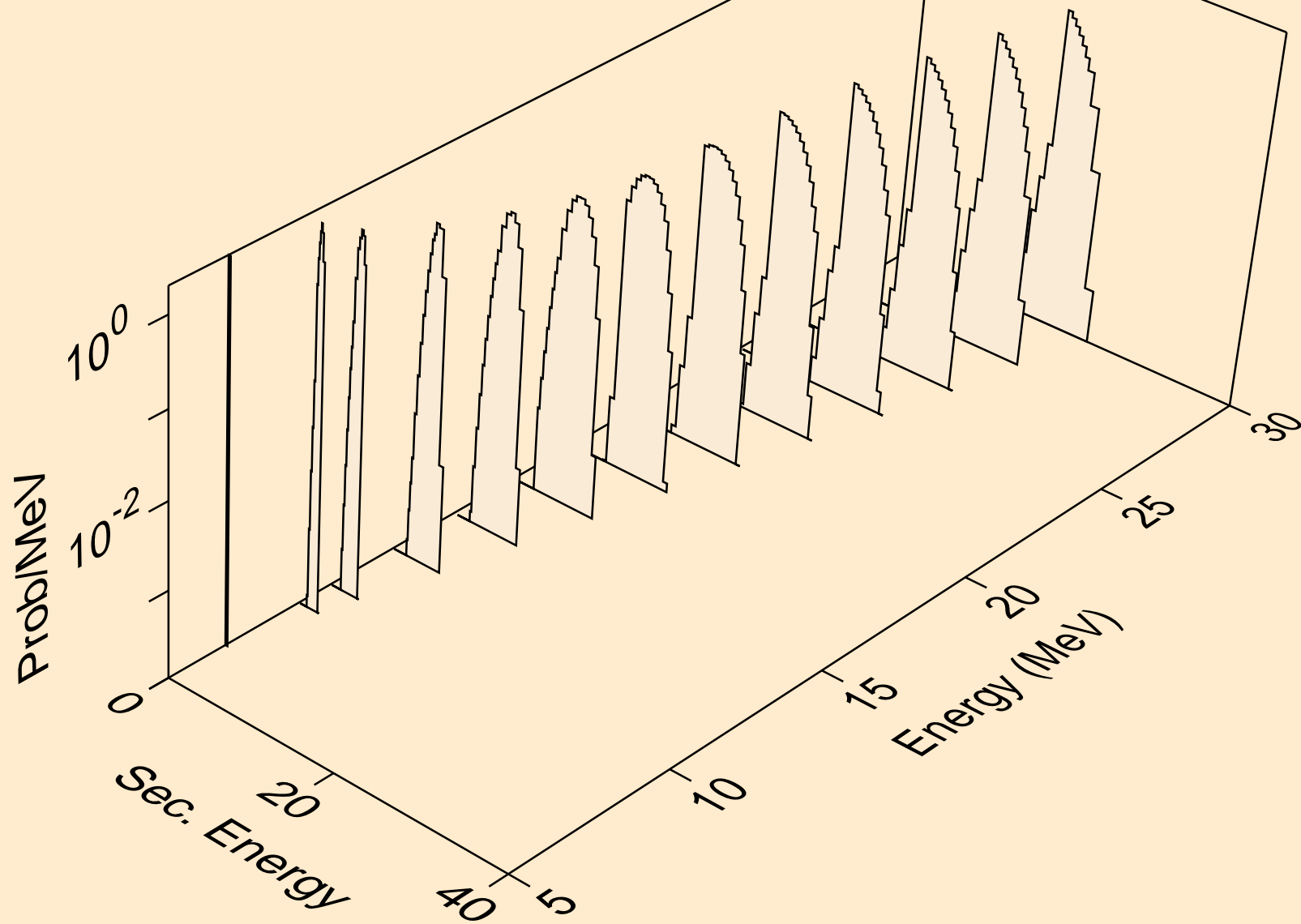
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,2np)



ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,3np)

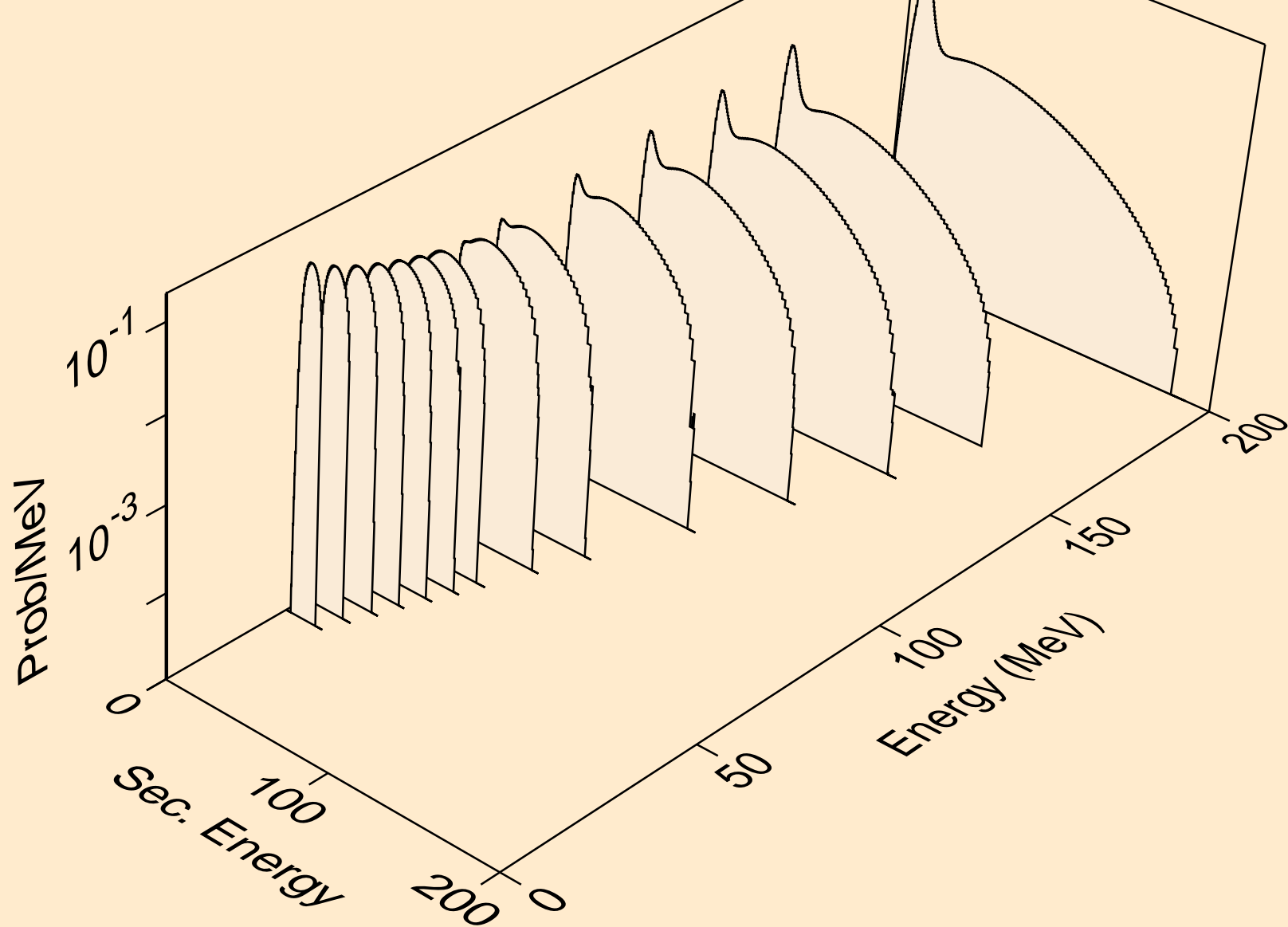


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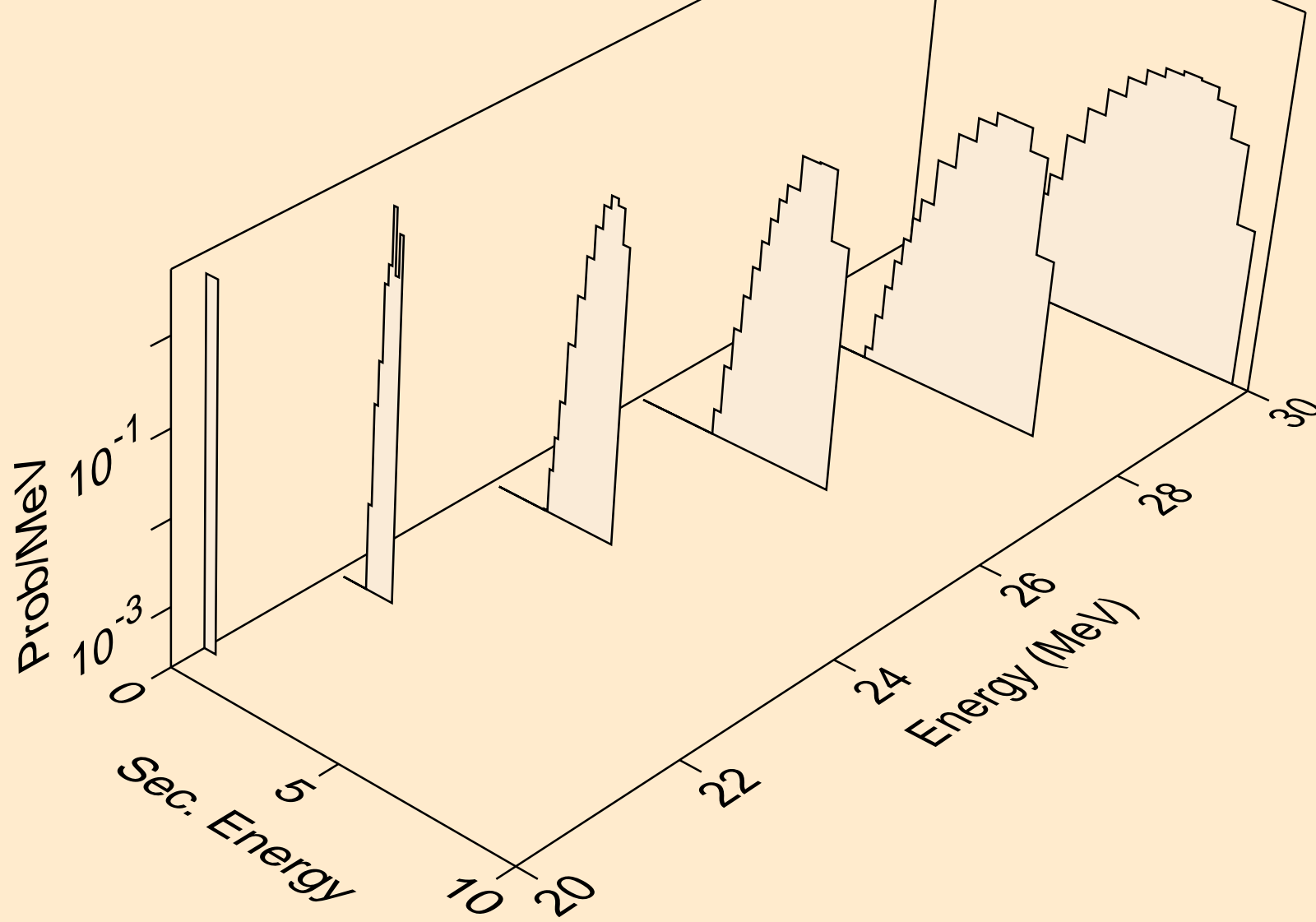




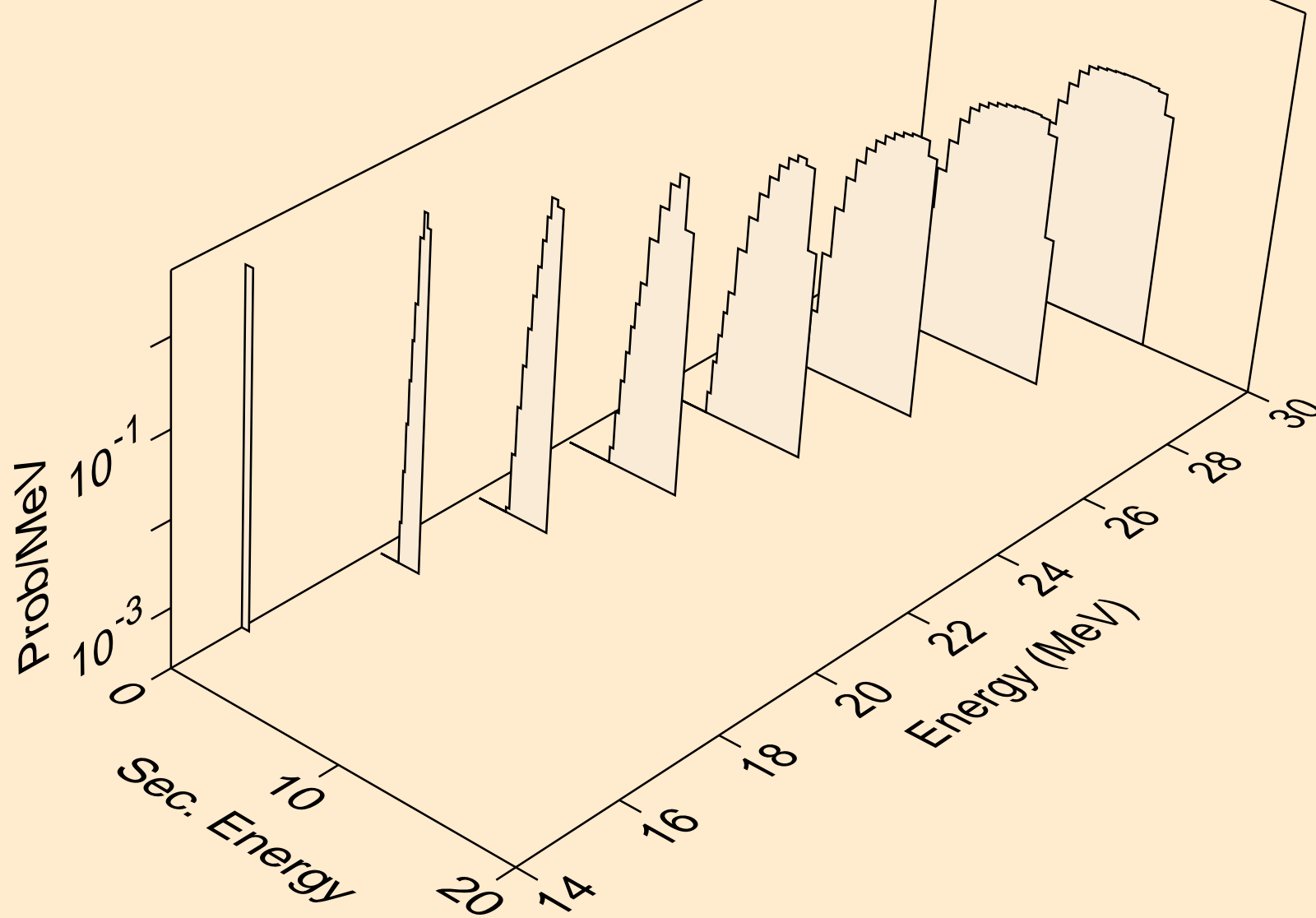
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,x)



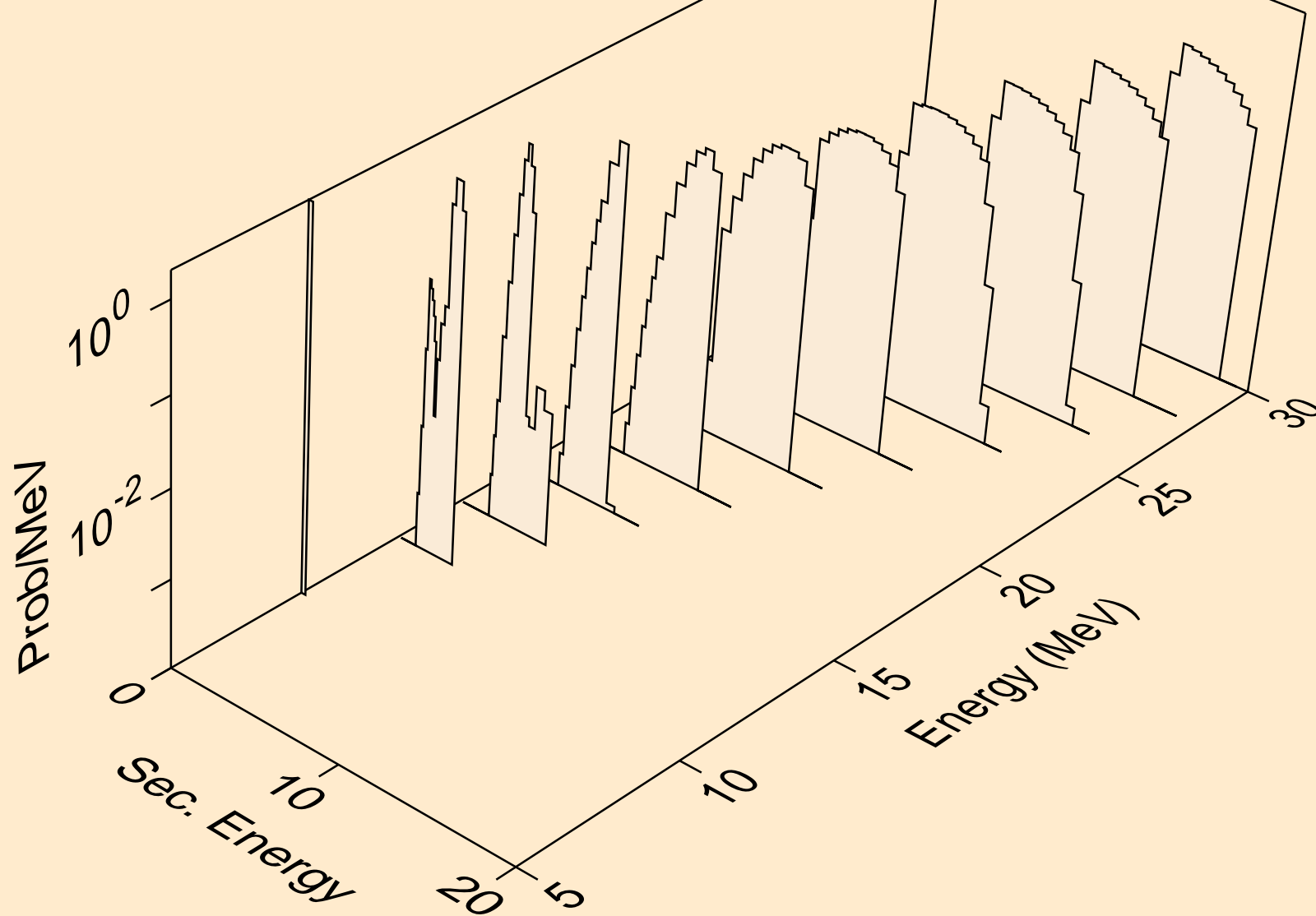
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,2nd)



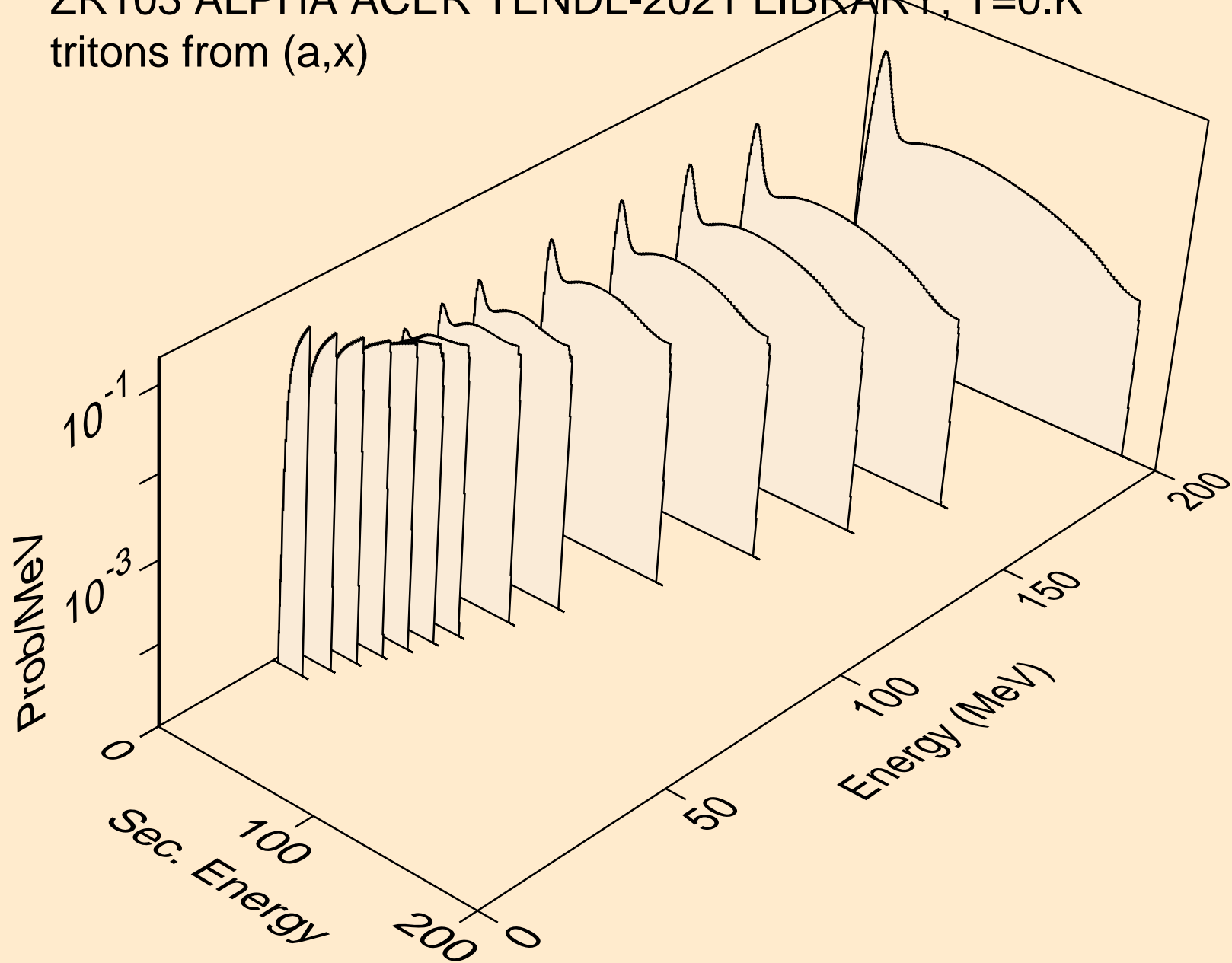
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,n\*)d



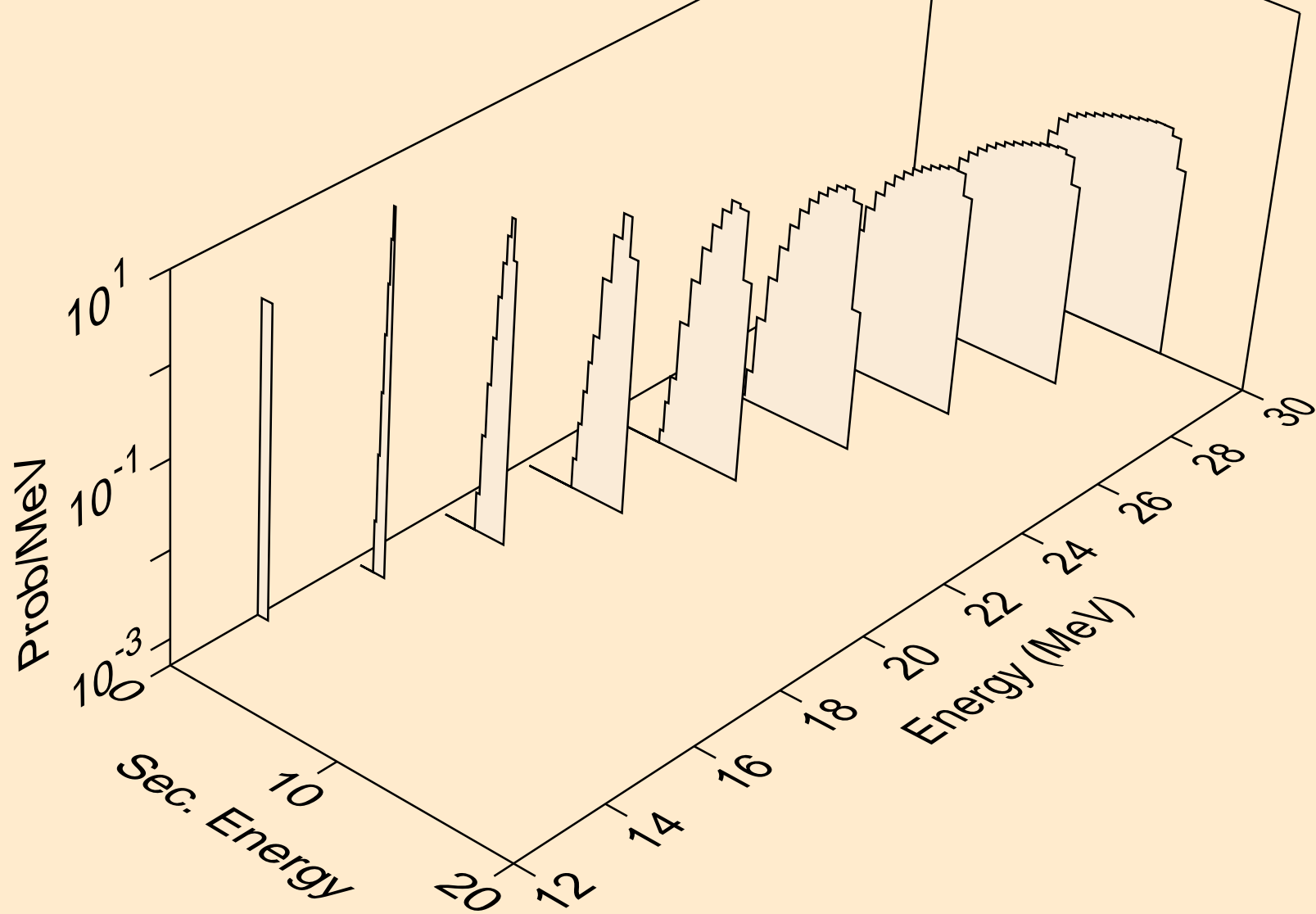
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,d)



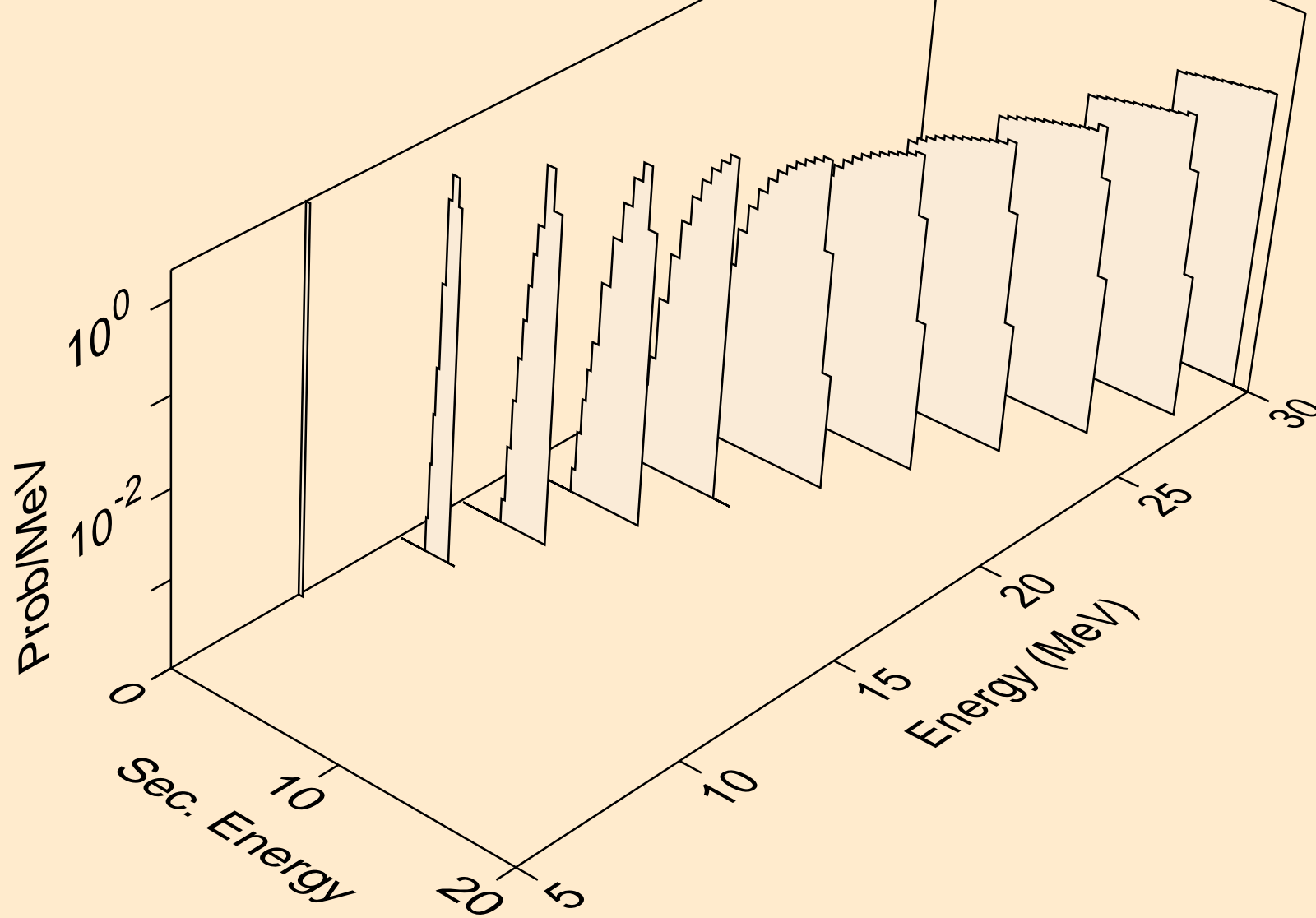
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (a,x)



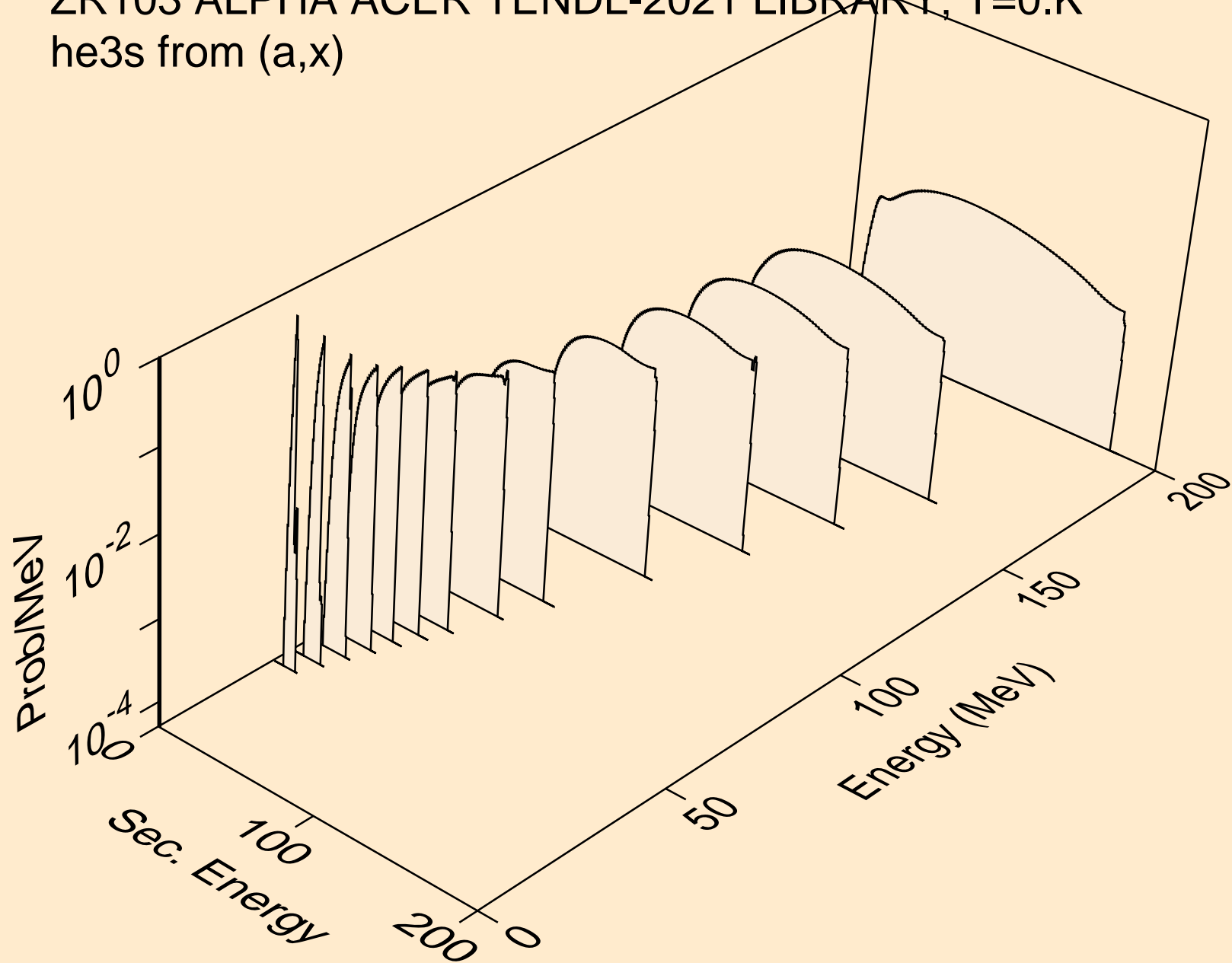
ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (a,n\*)t



ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (a,t)

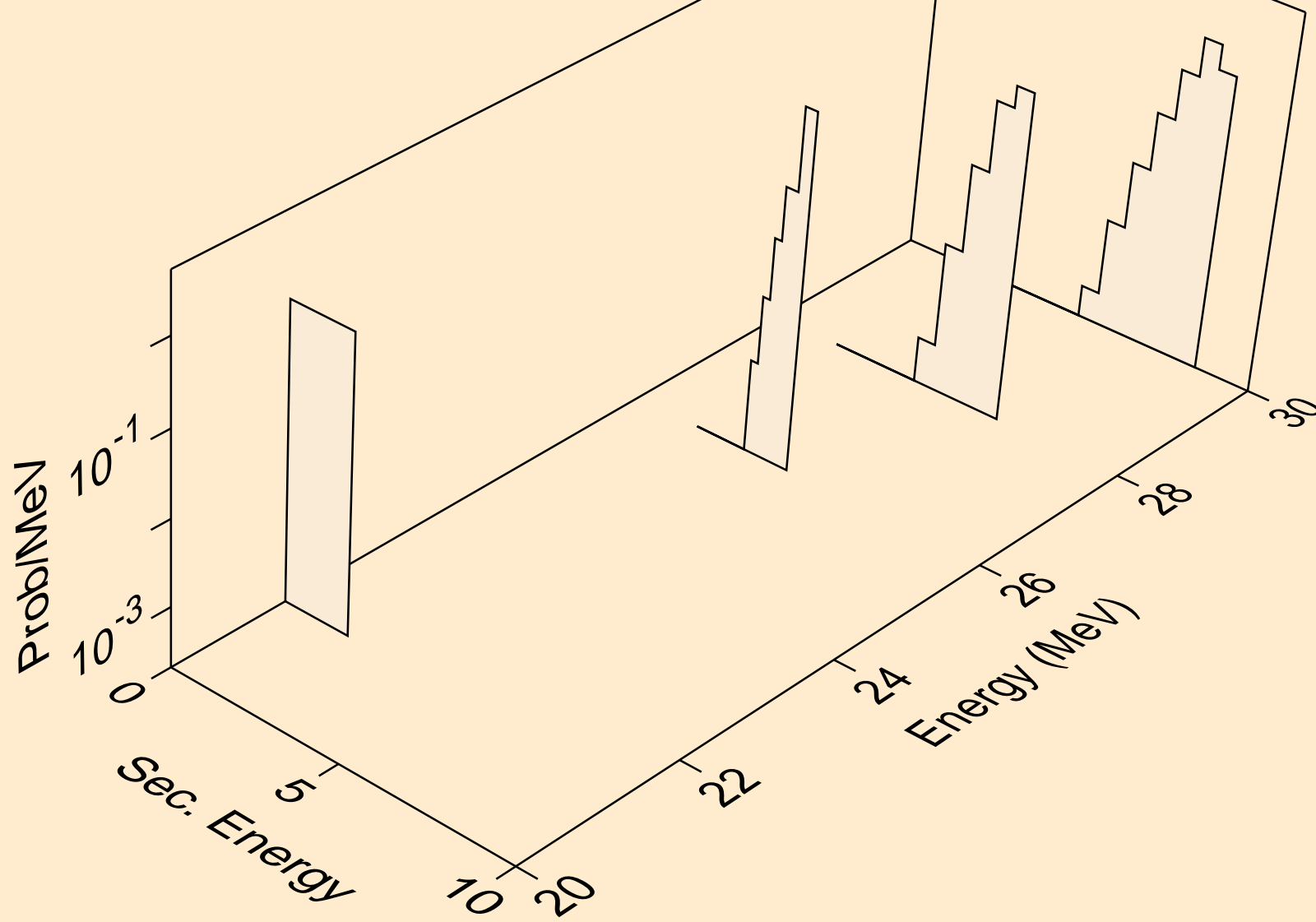


ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (a,x)





ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (a,n\*)he3



ZR103 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (a,he3)

