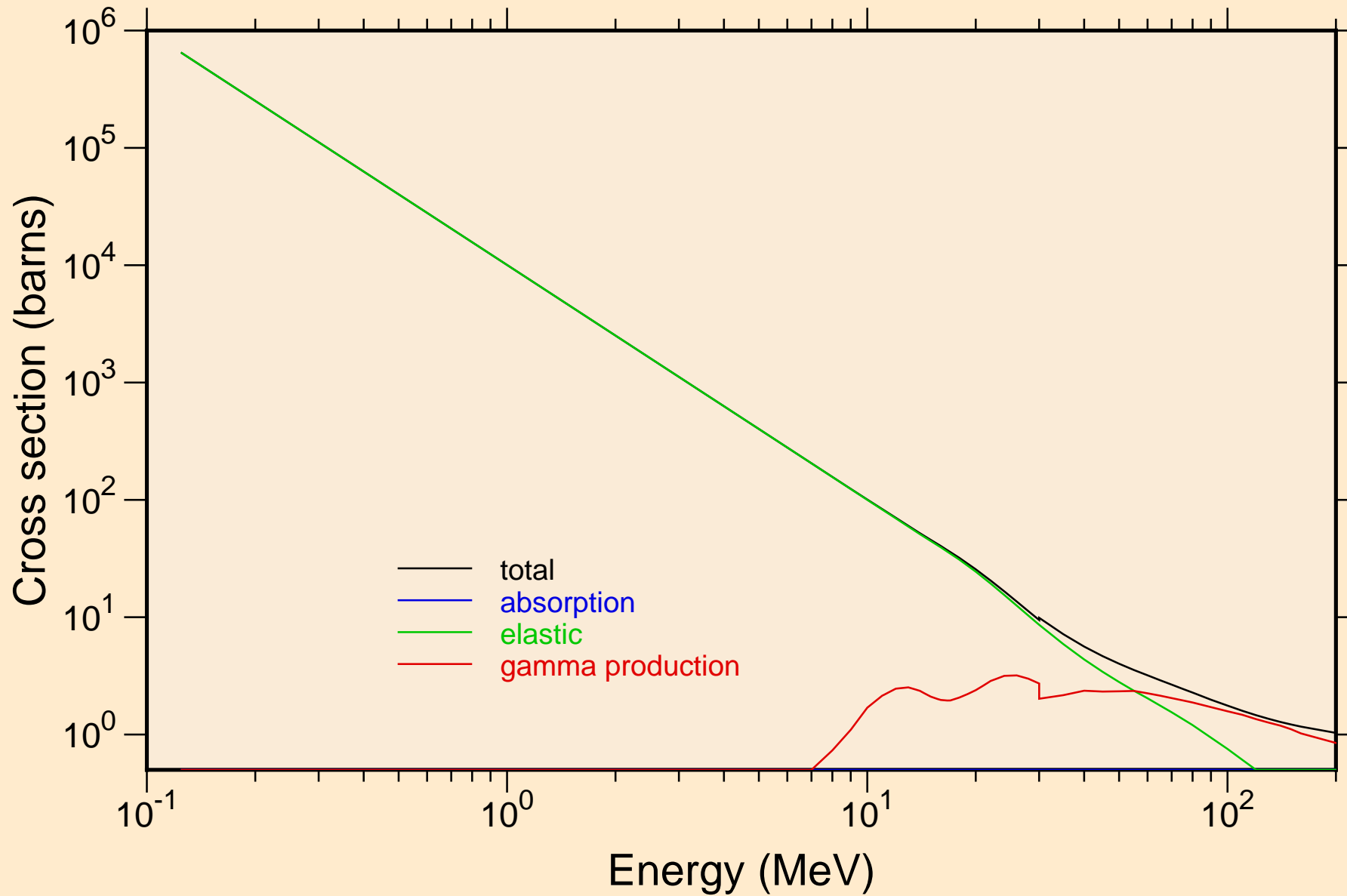
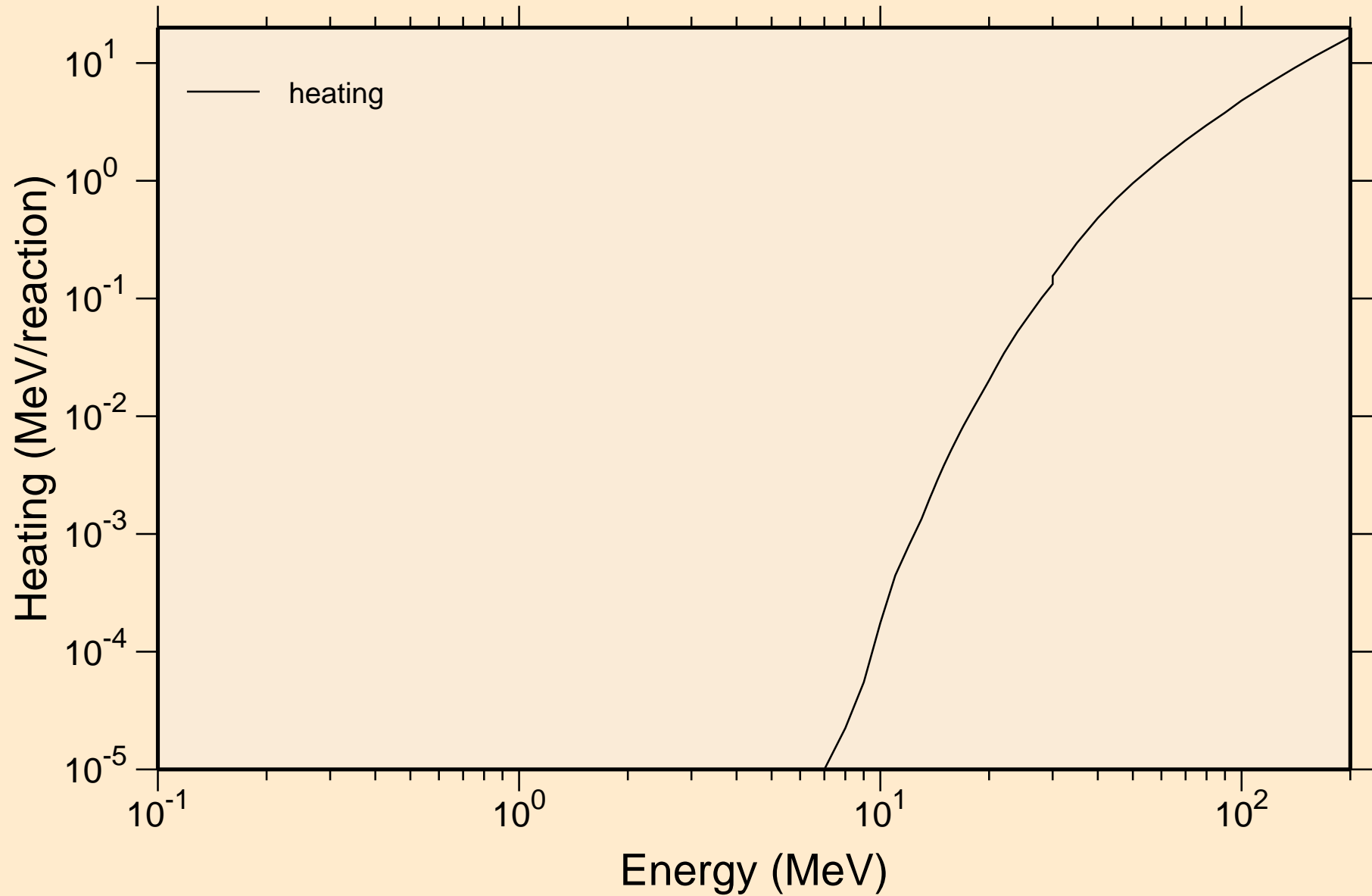


ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Principal cross sections



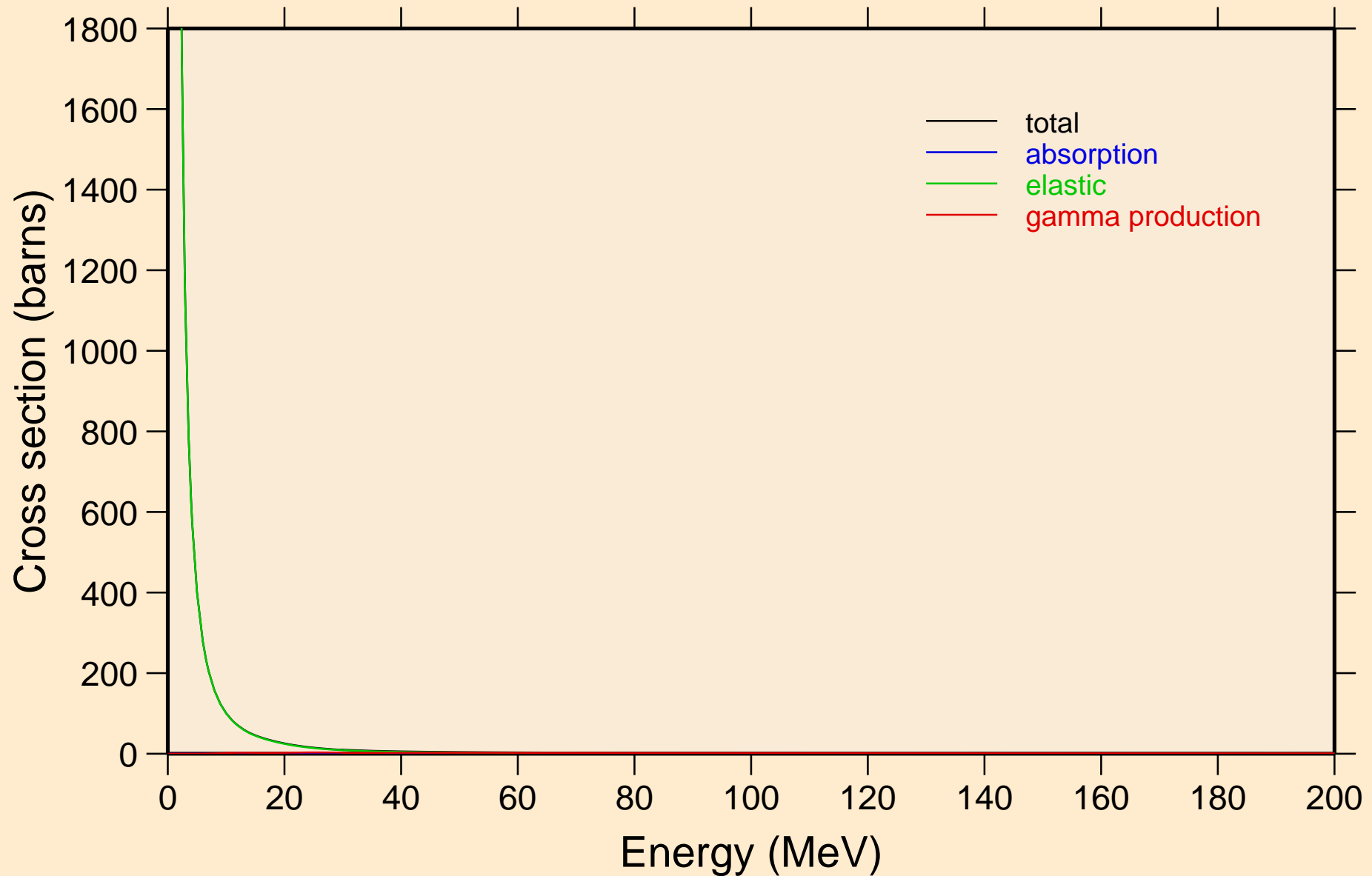
# ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Heating



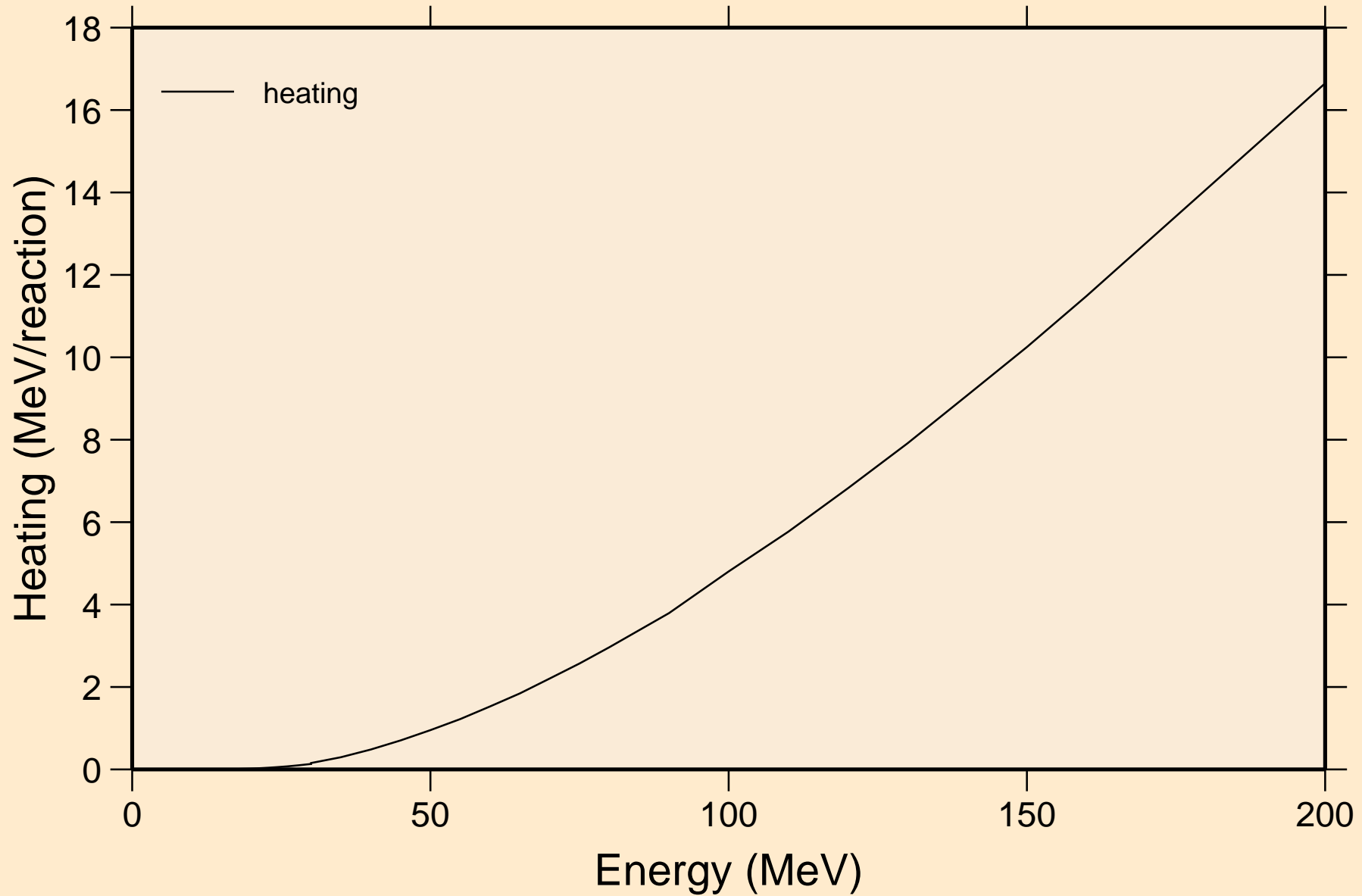
# ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



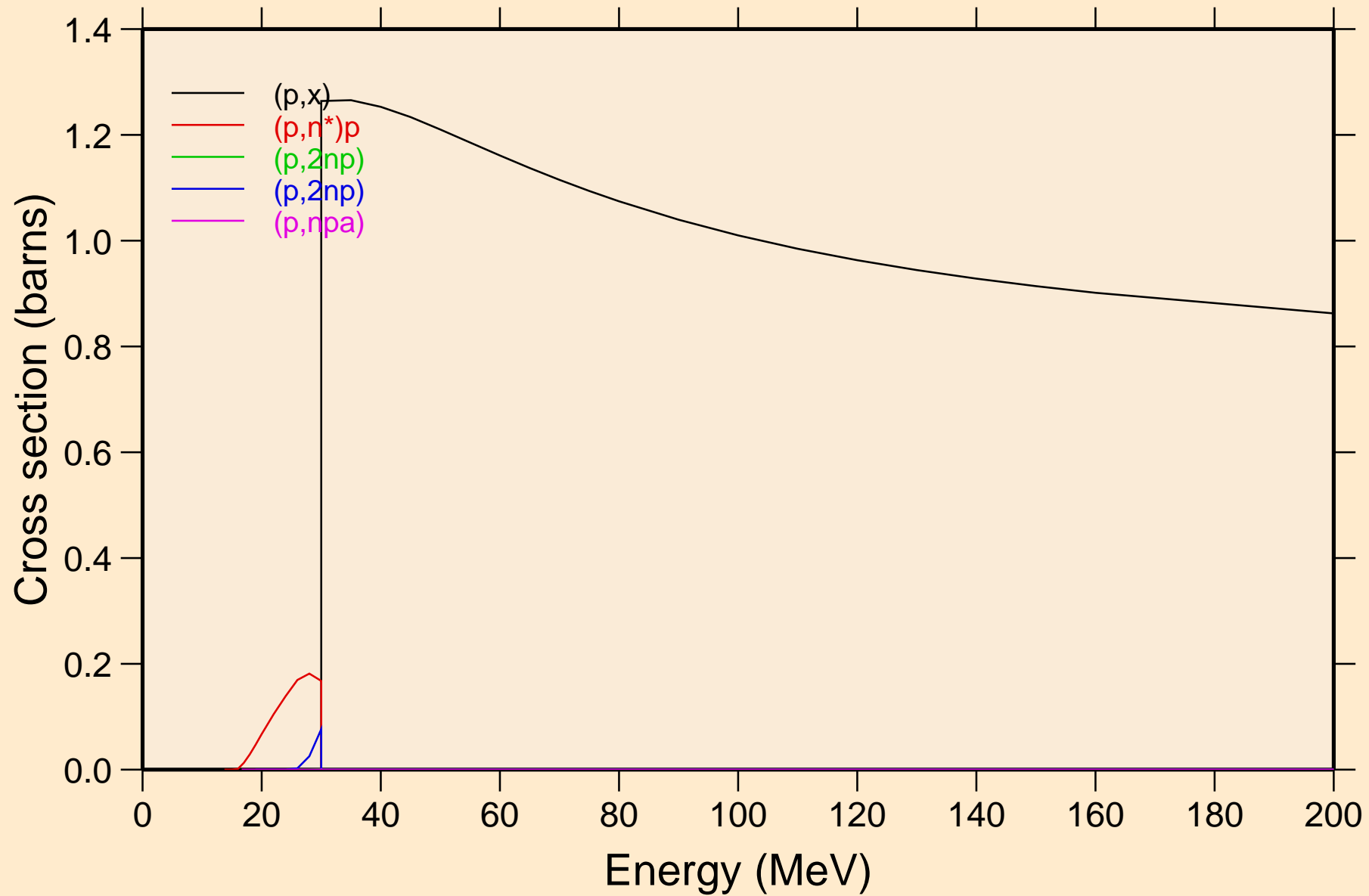
ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K

Heating

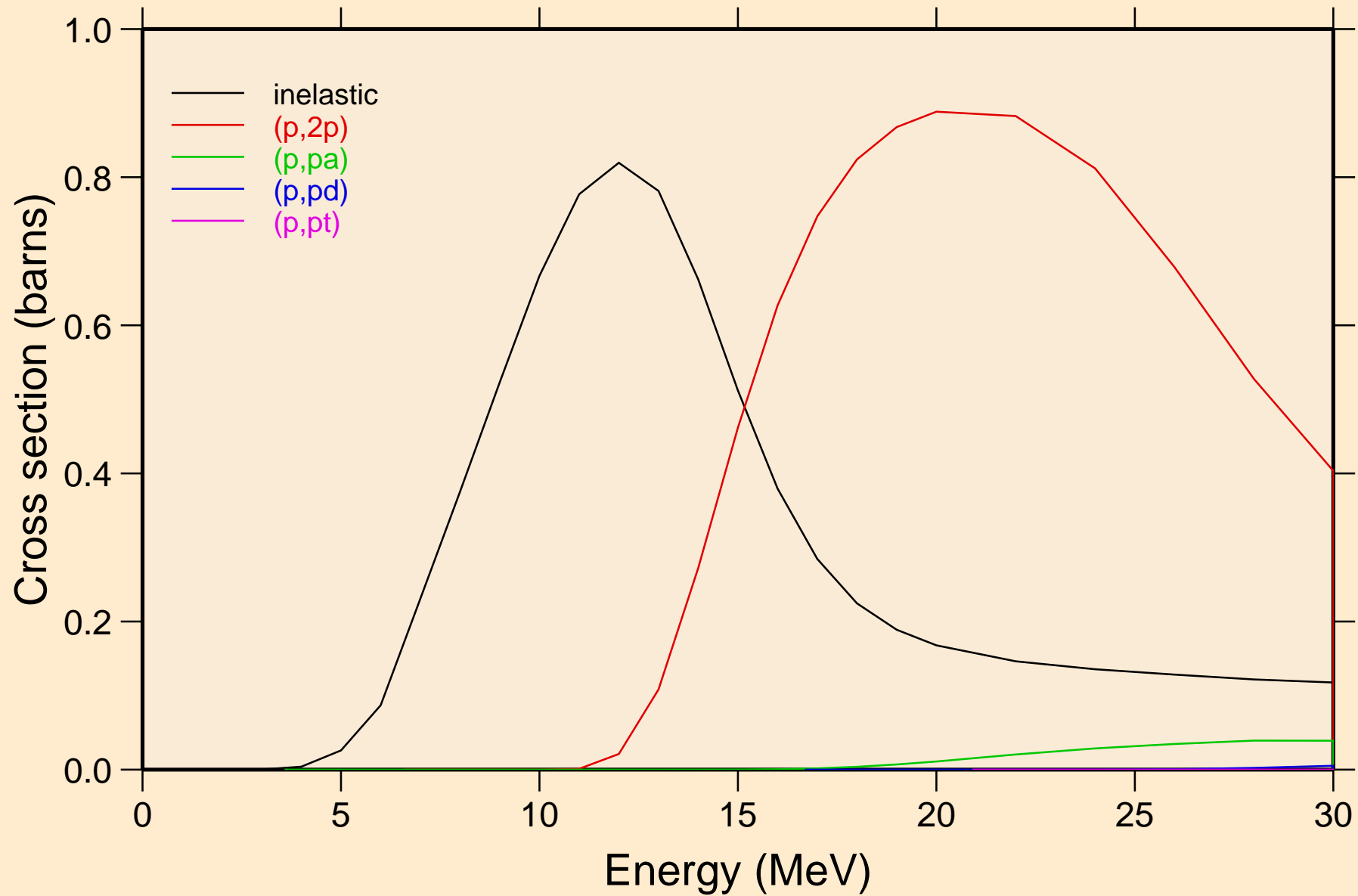


# ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K

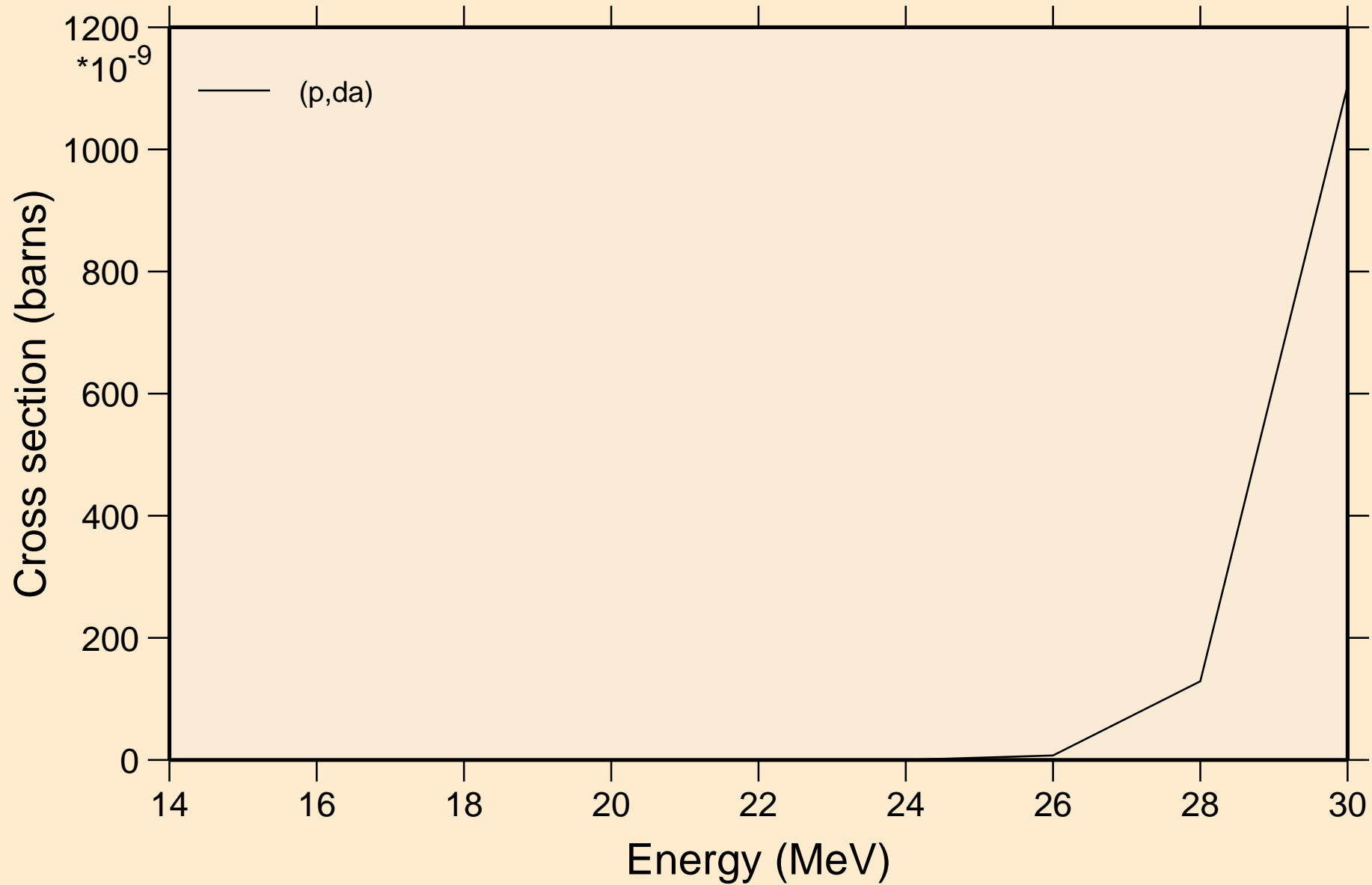
## Threshold reactions



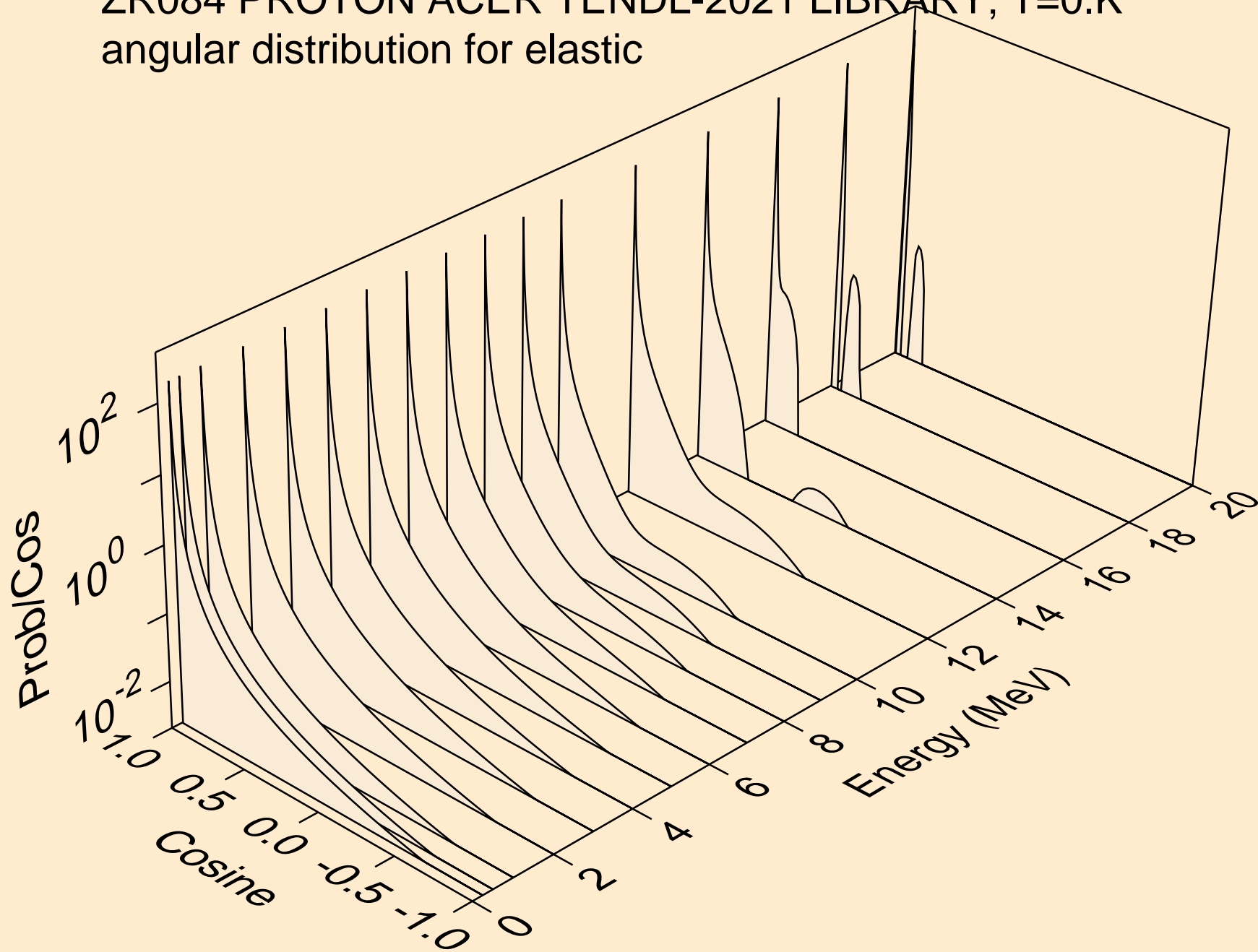
ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

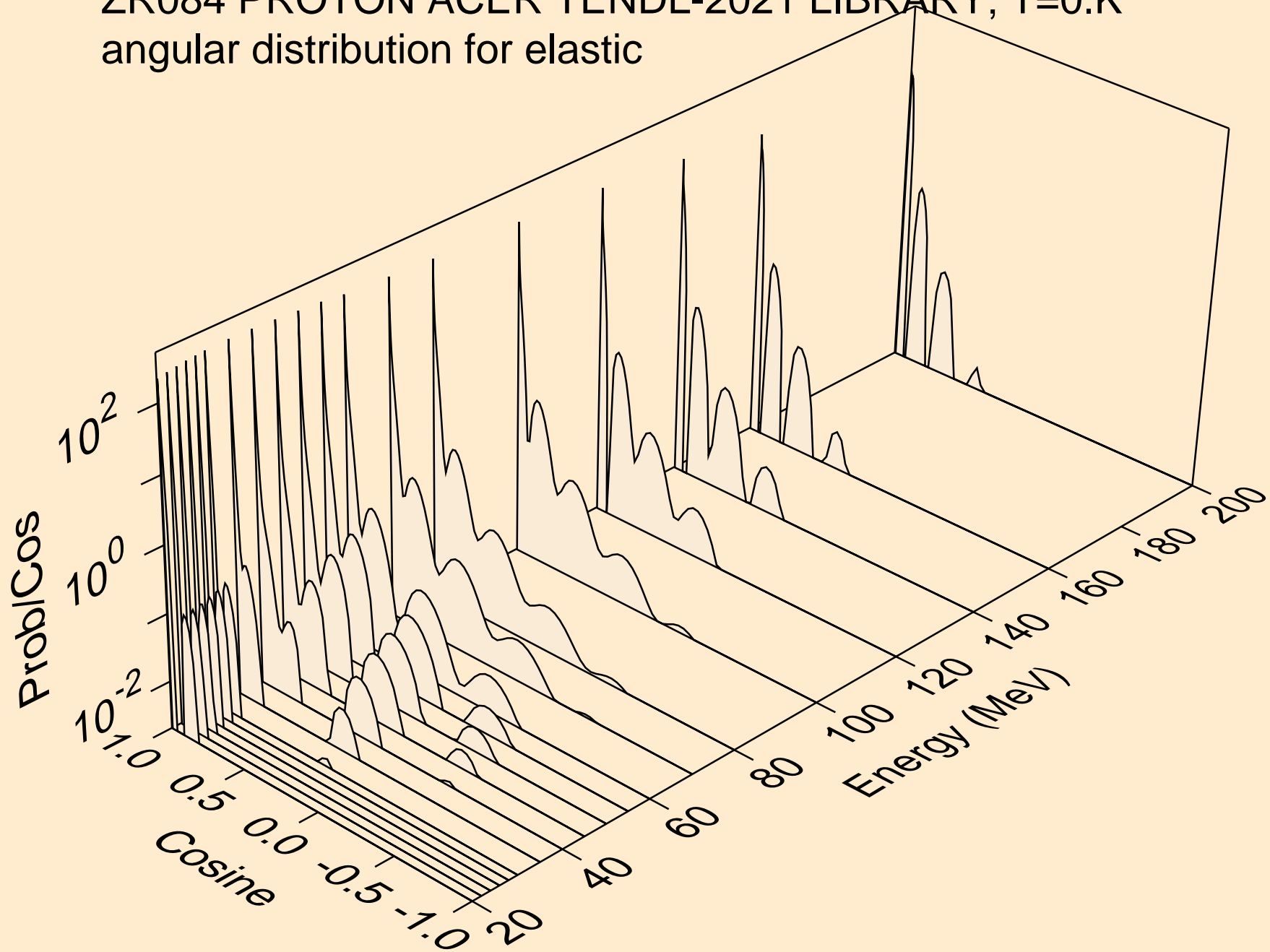


ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic

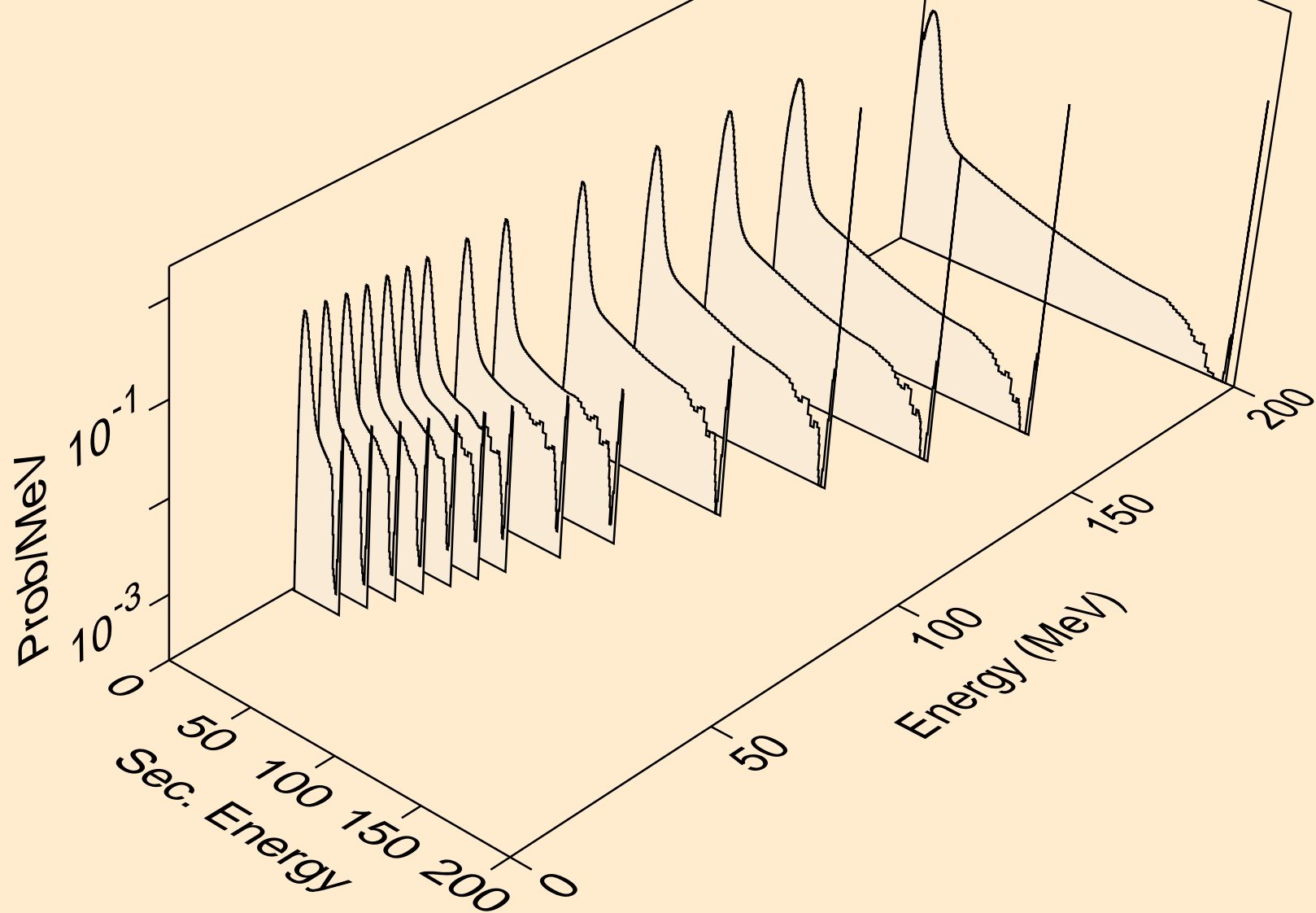




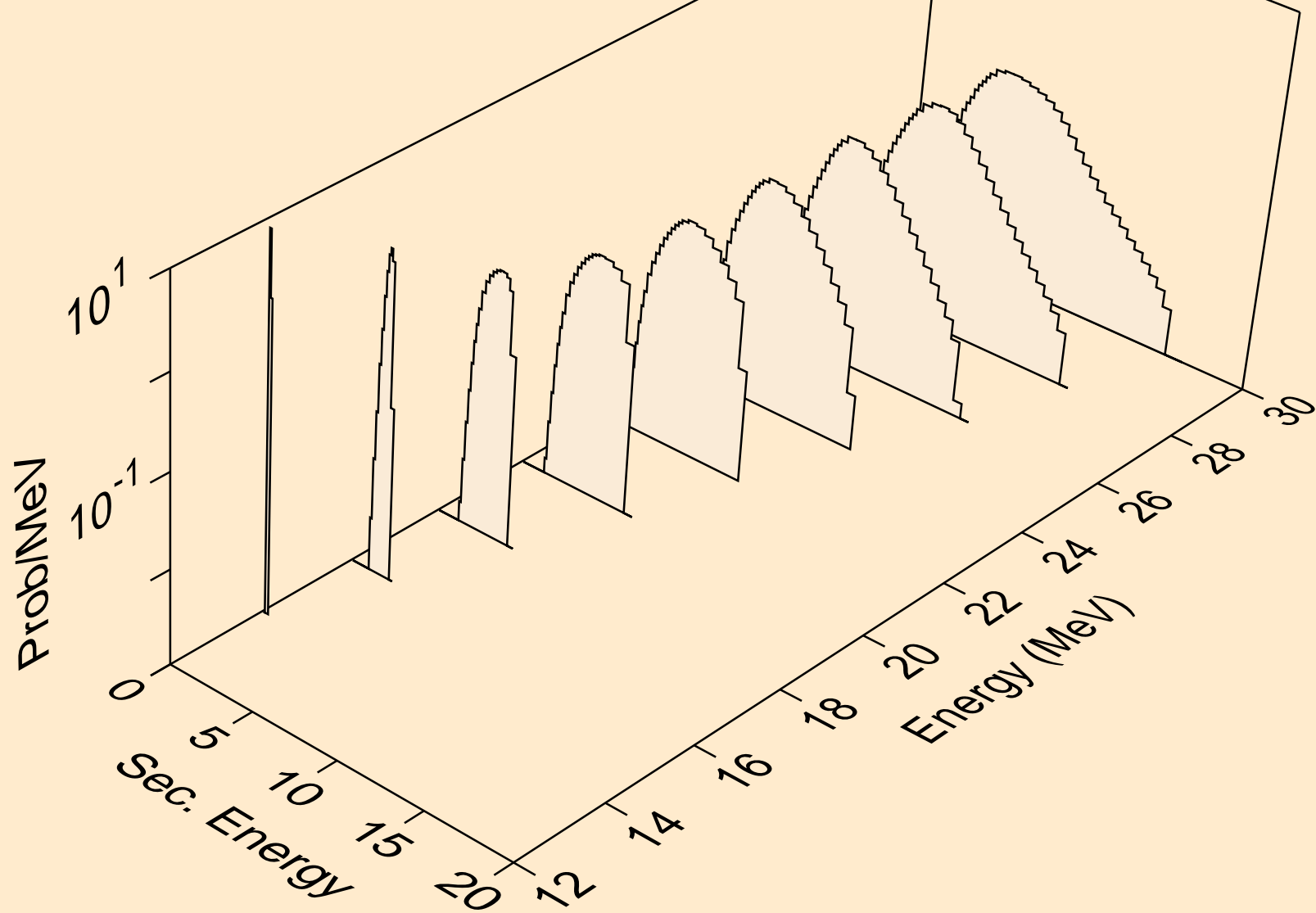
ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



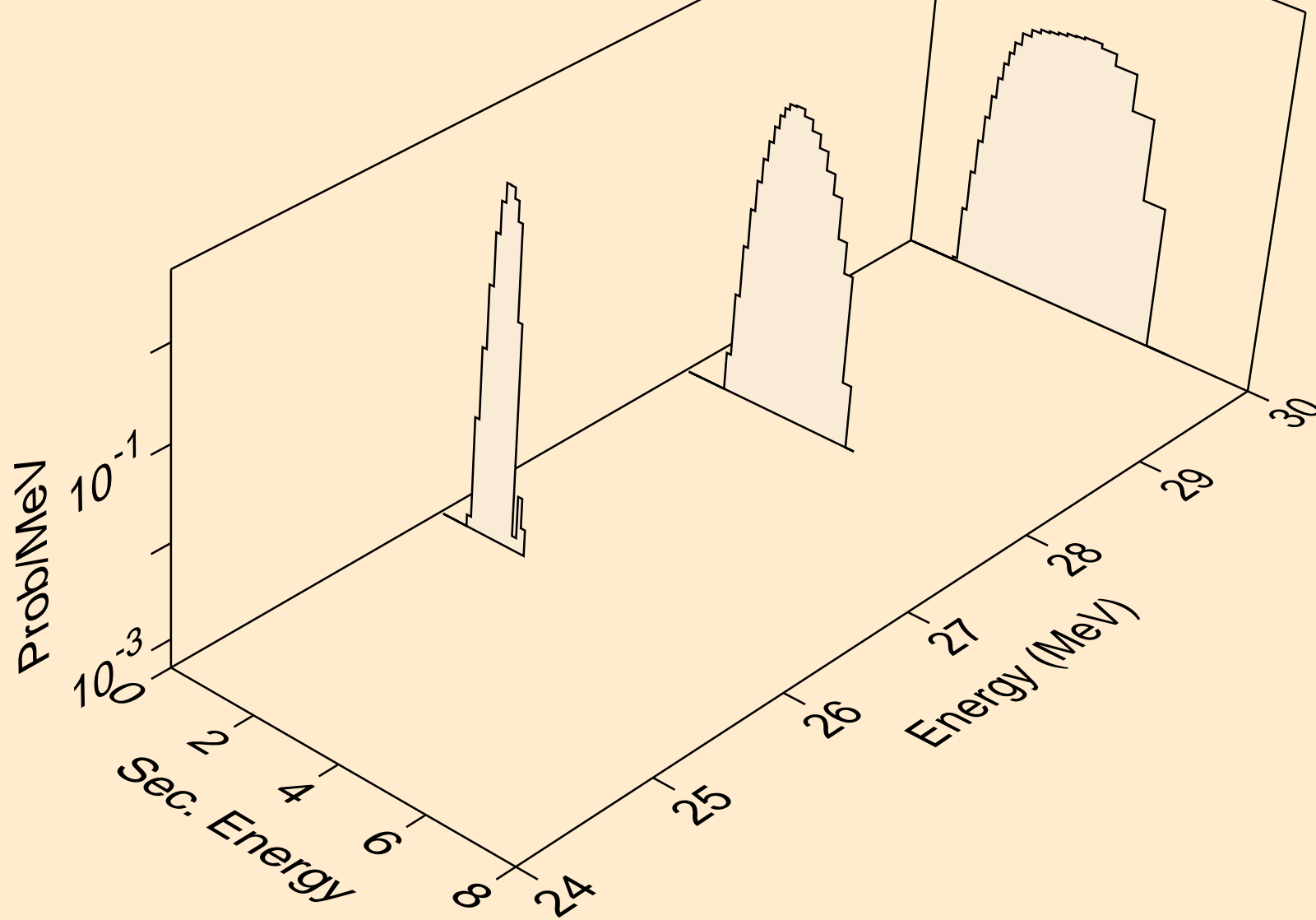
ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,x)



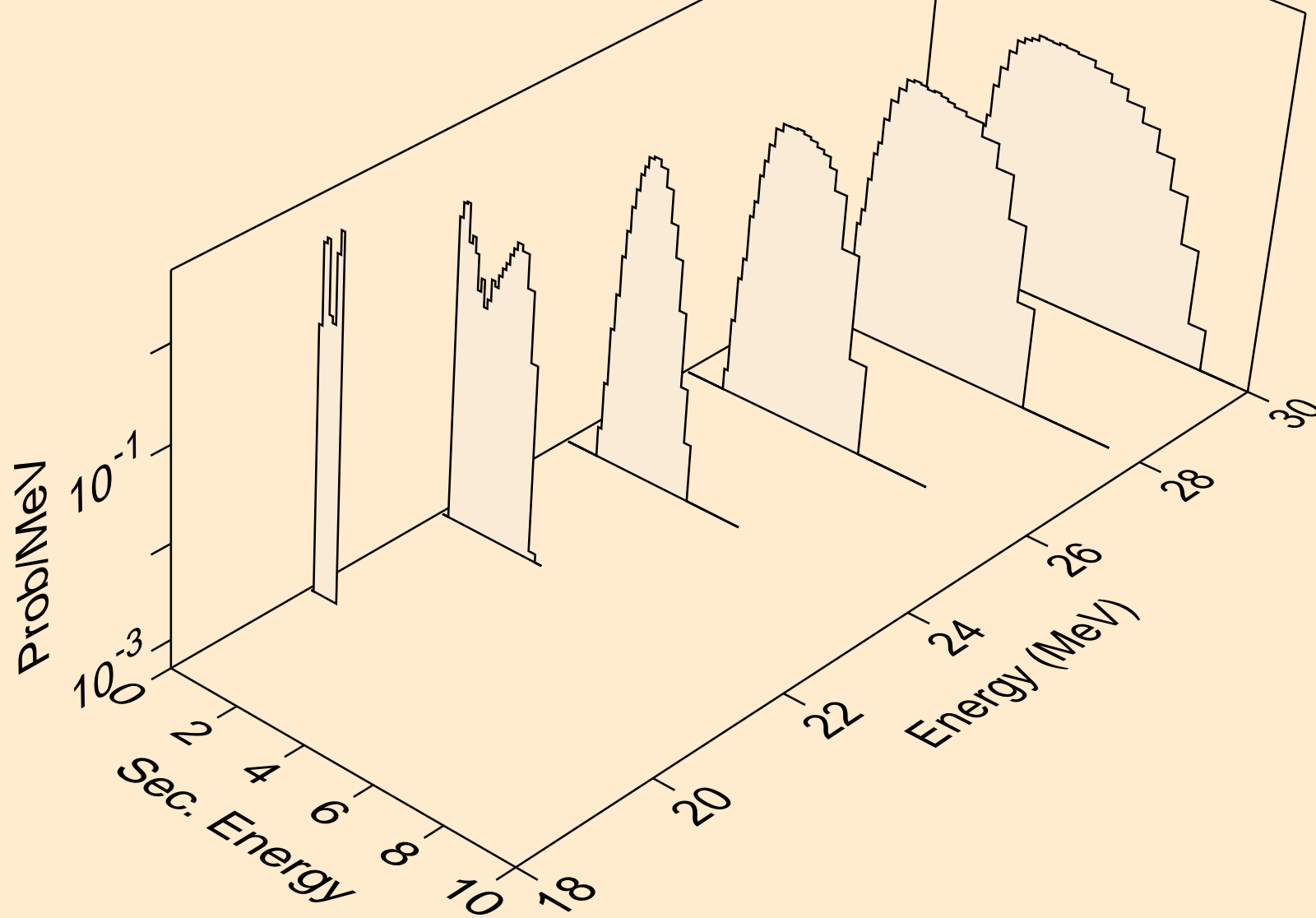
ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



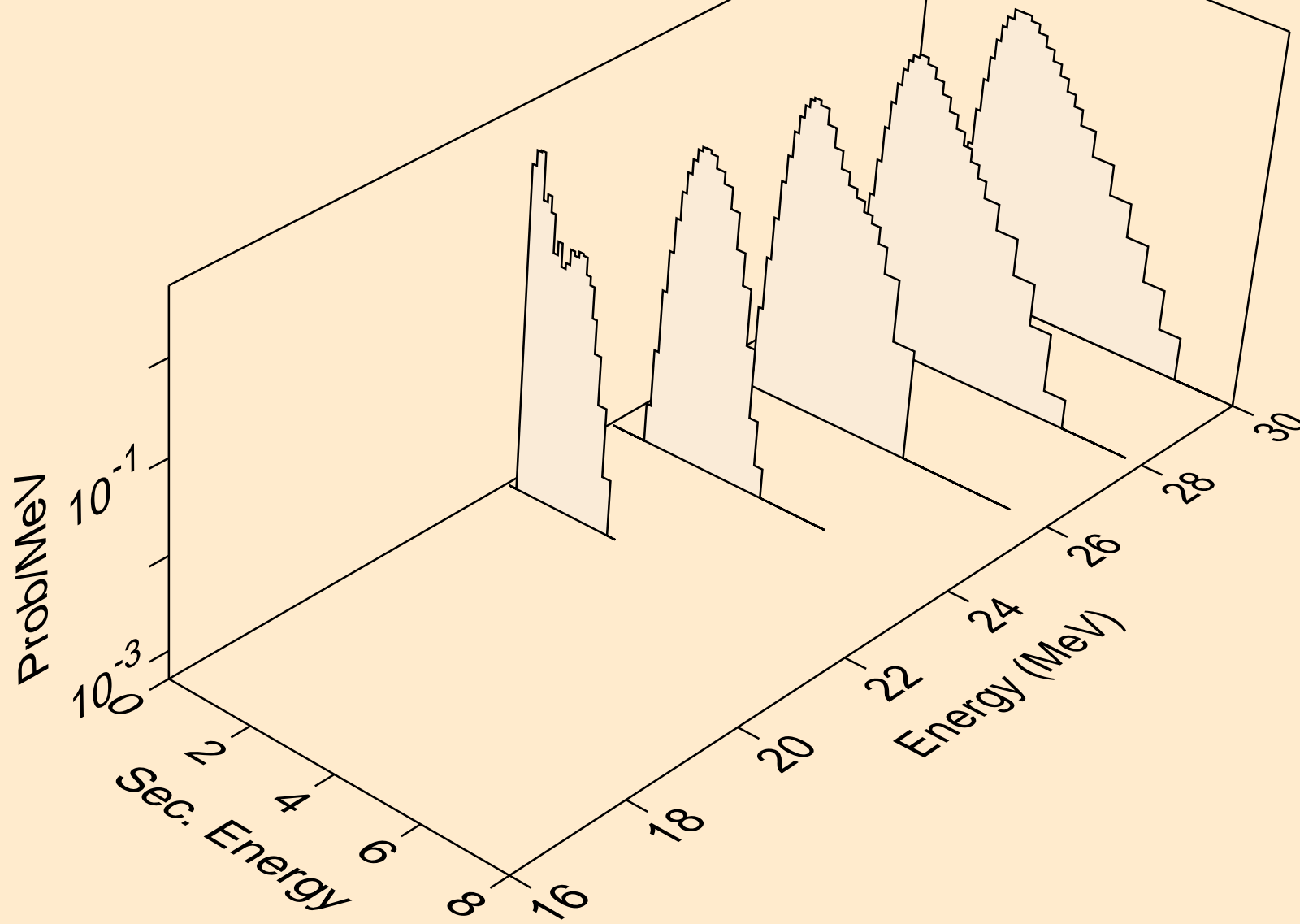
ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)



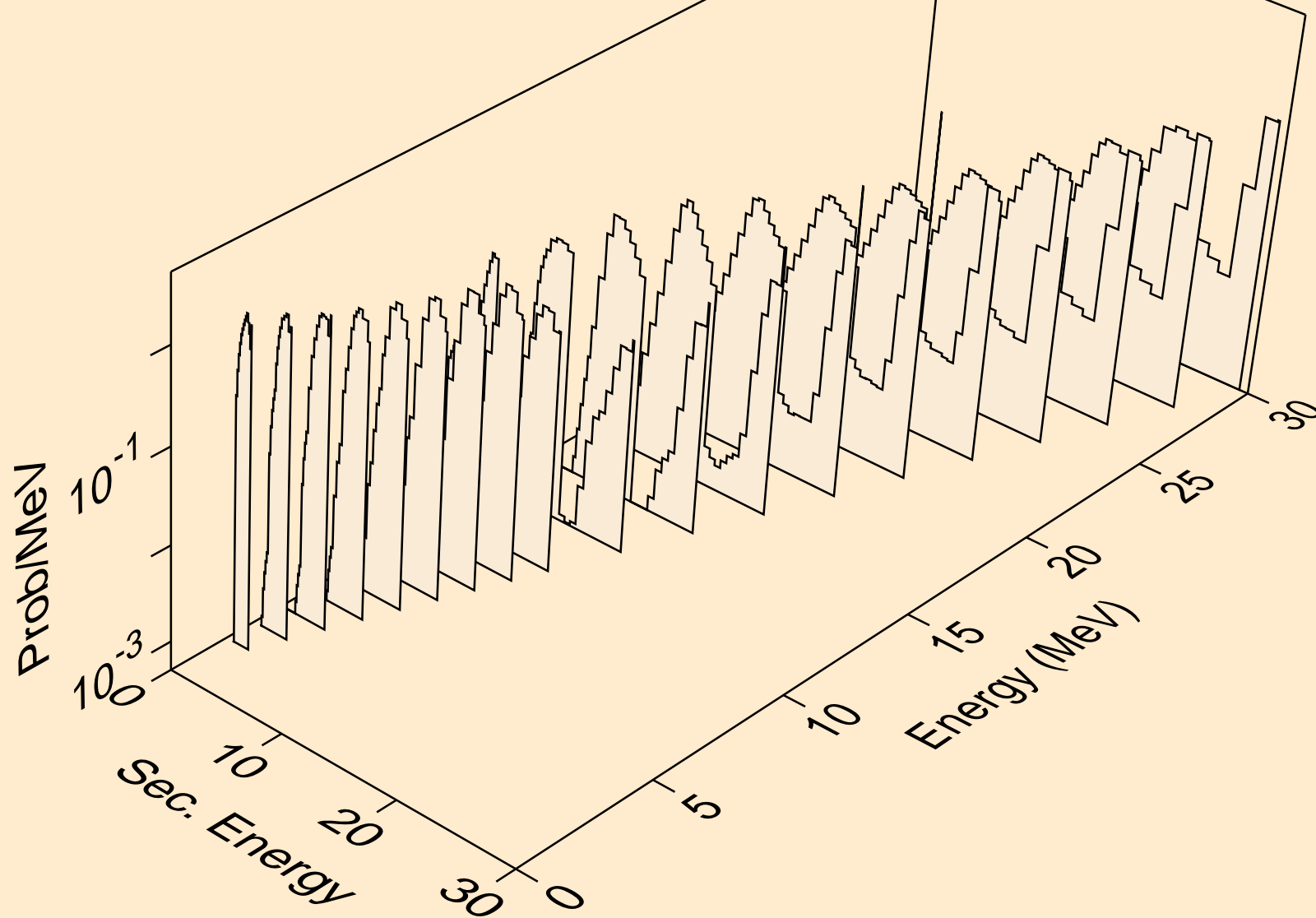
ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)



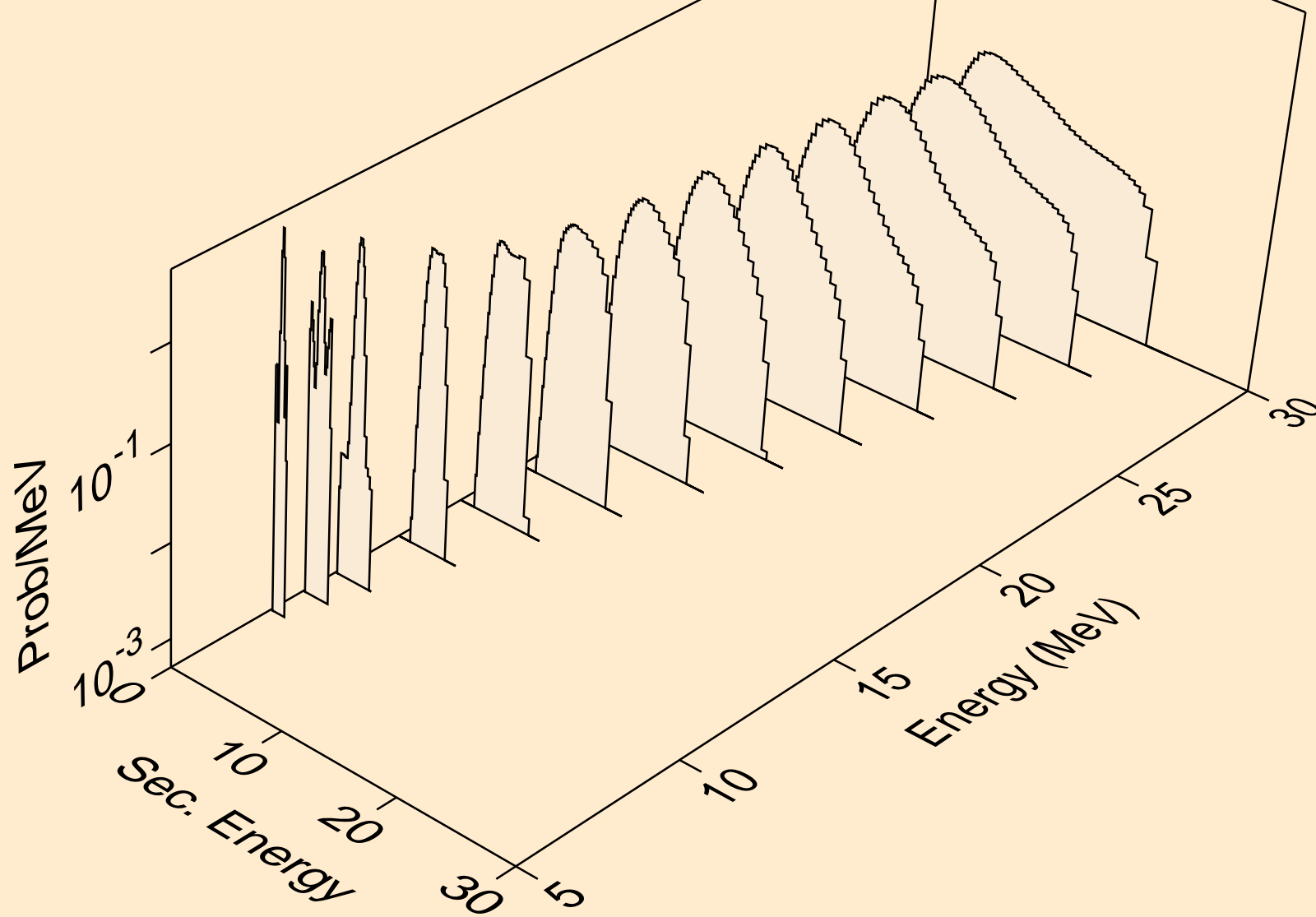
ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,npa)



ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for inelastic

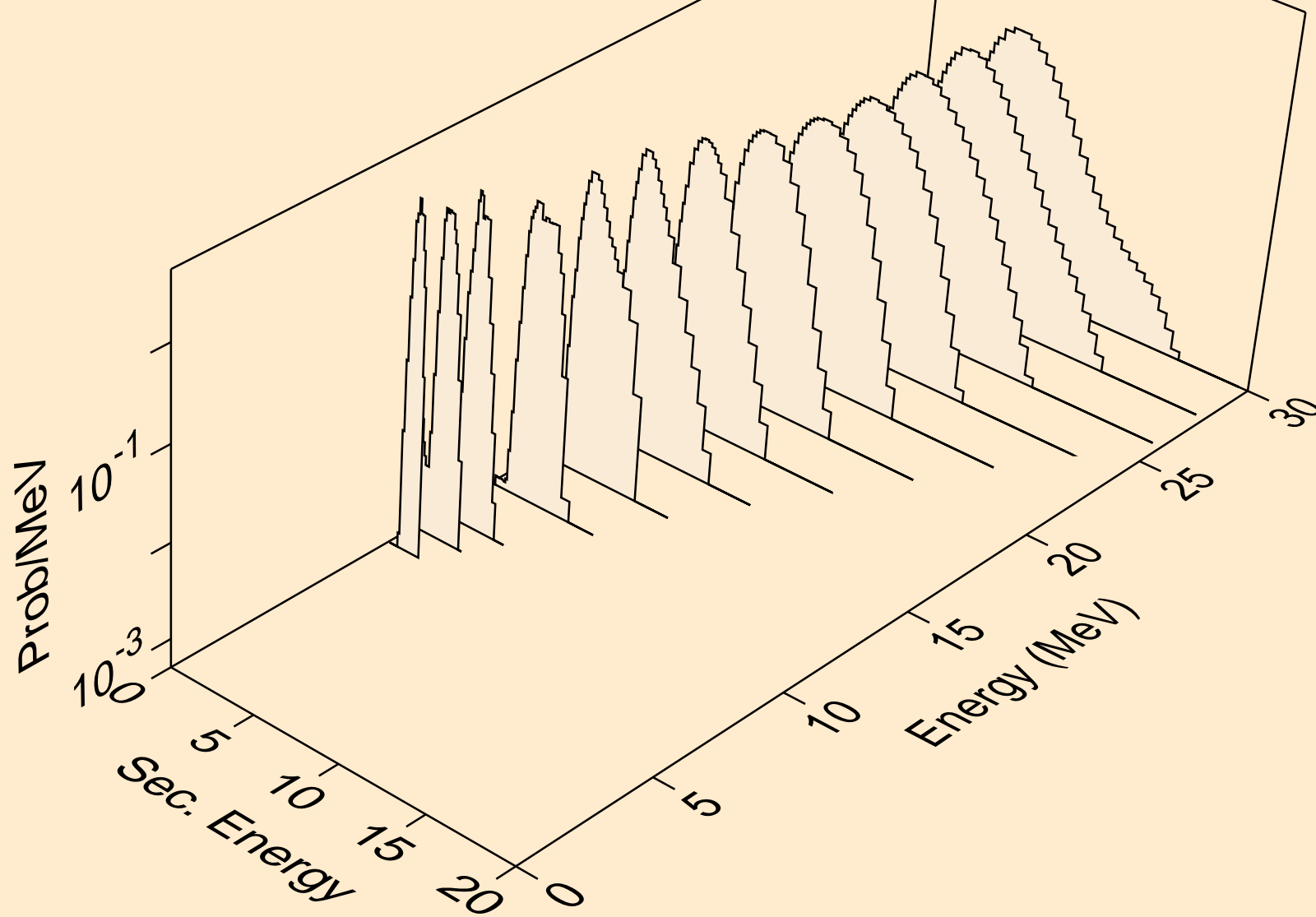


ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2p)

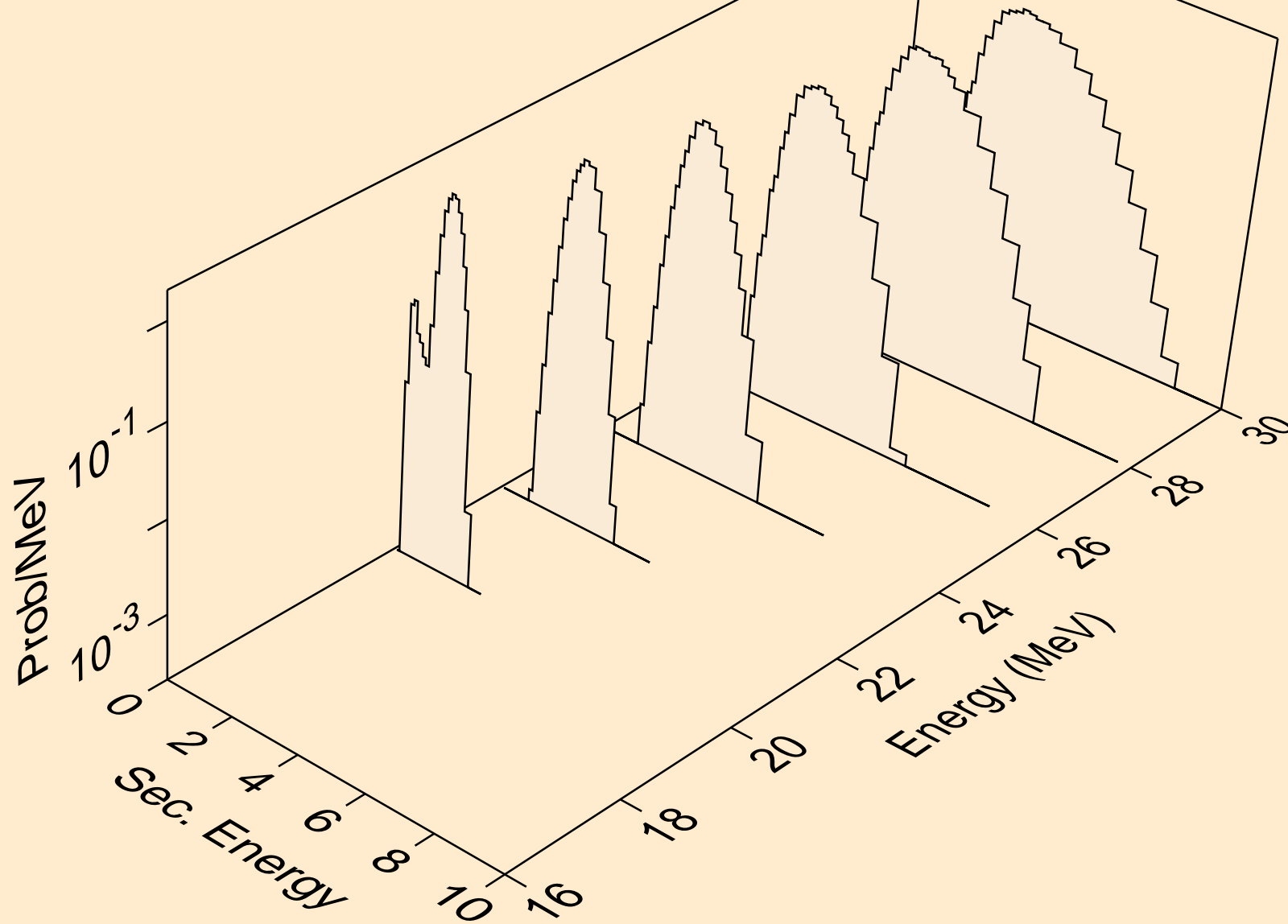




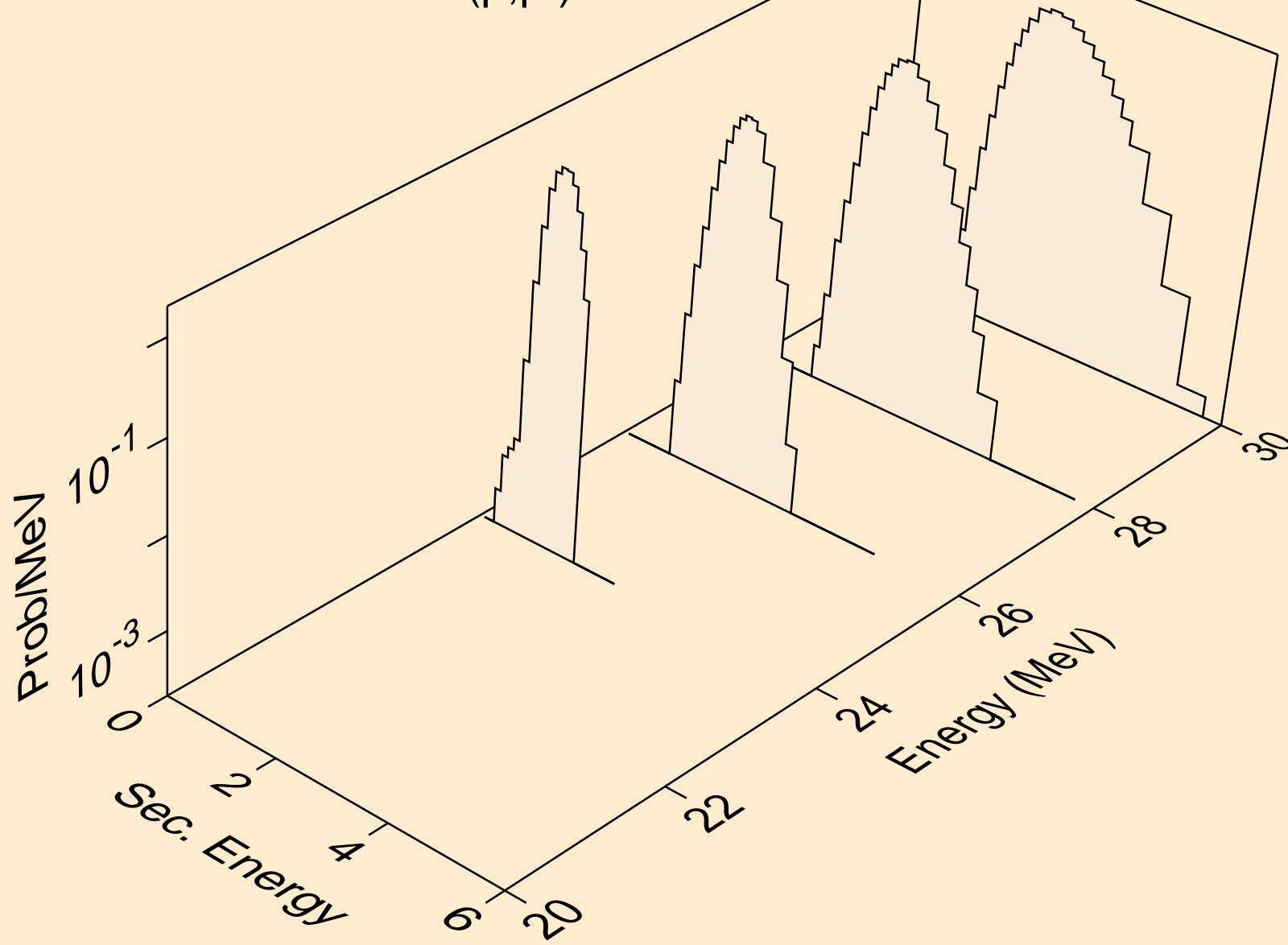
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Proton emission for (p,pa)



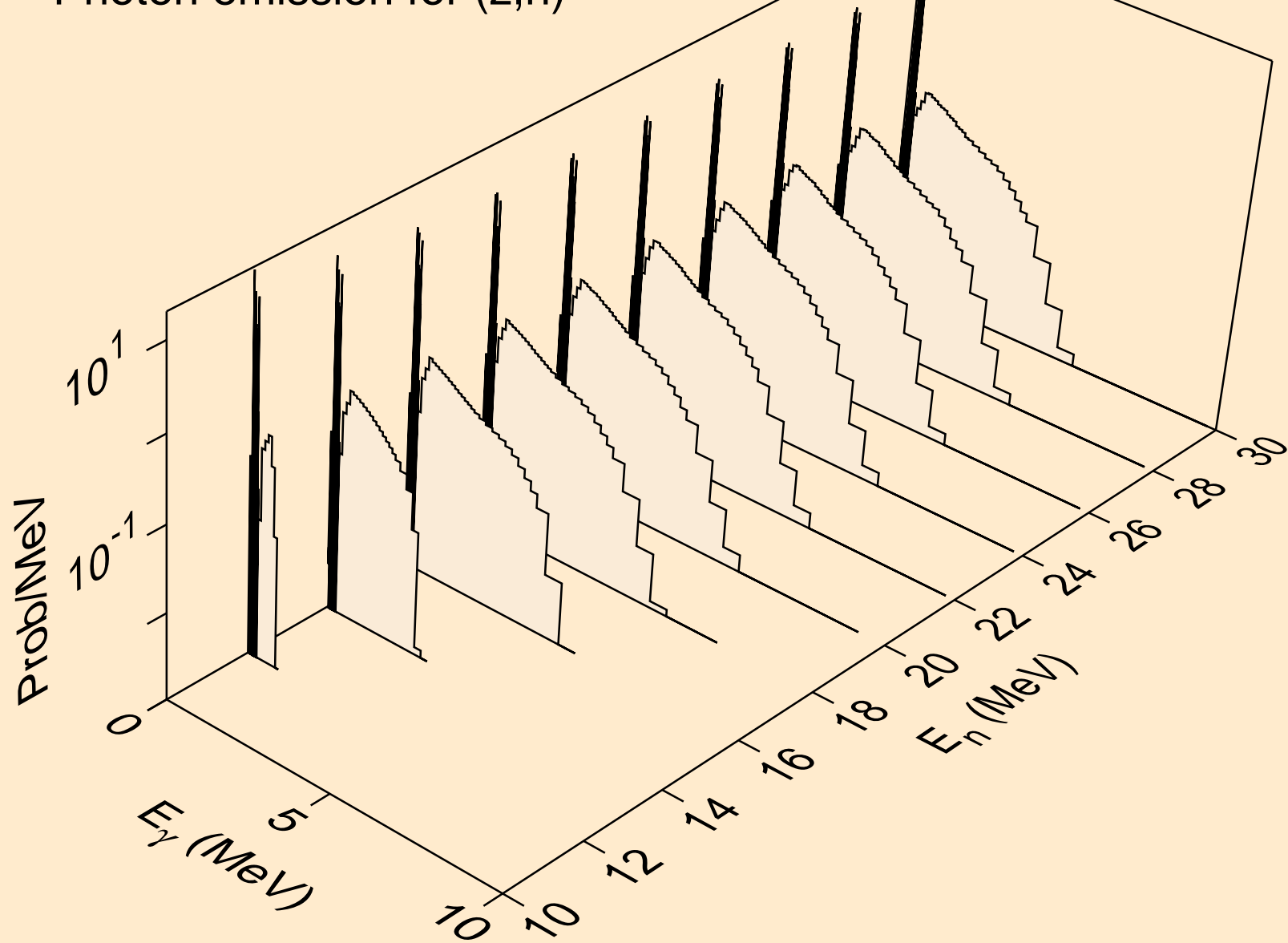
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Proton emission for (p,pd)



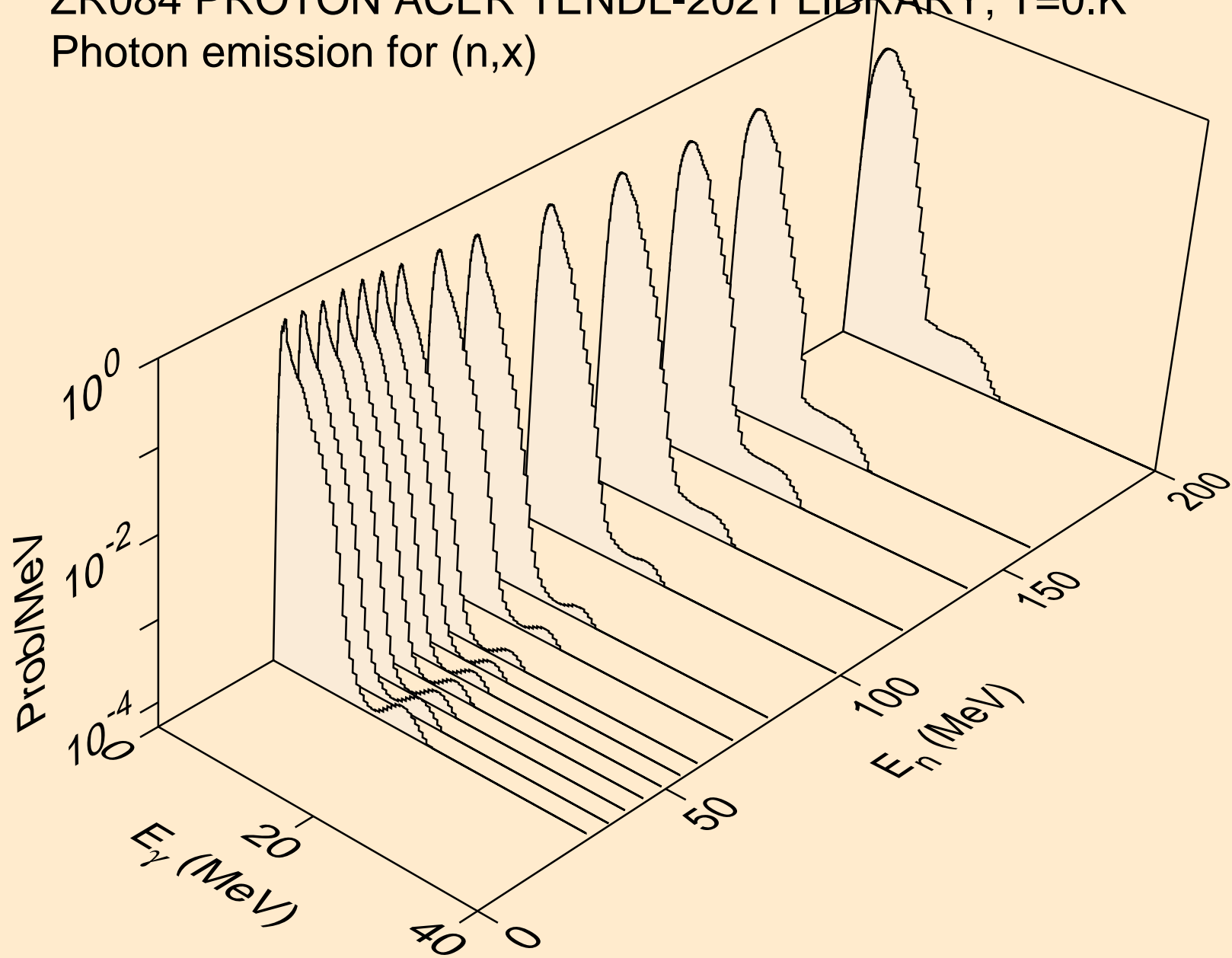
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Proton emission for (p,pt)



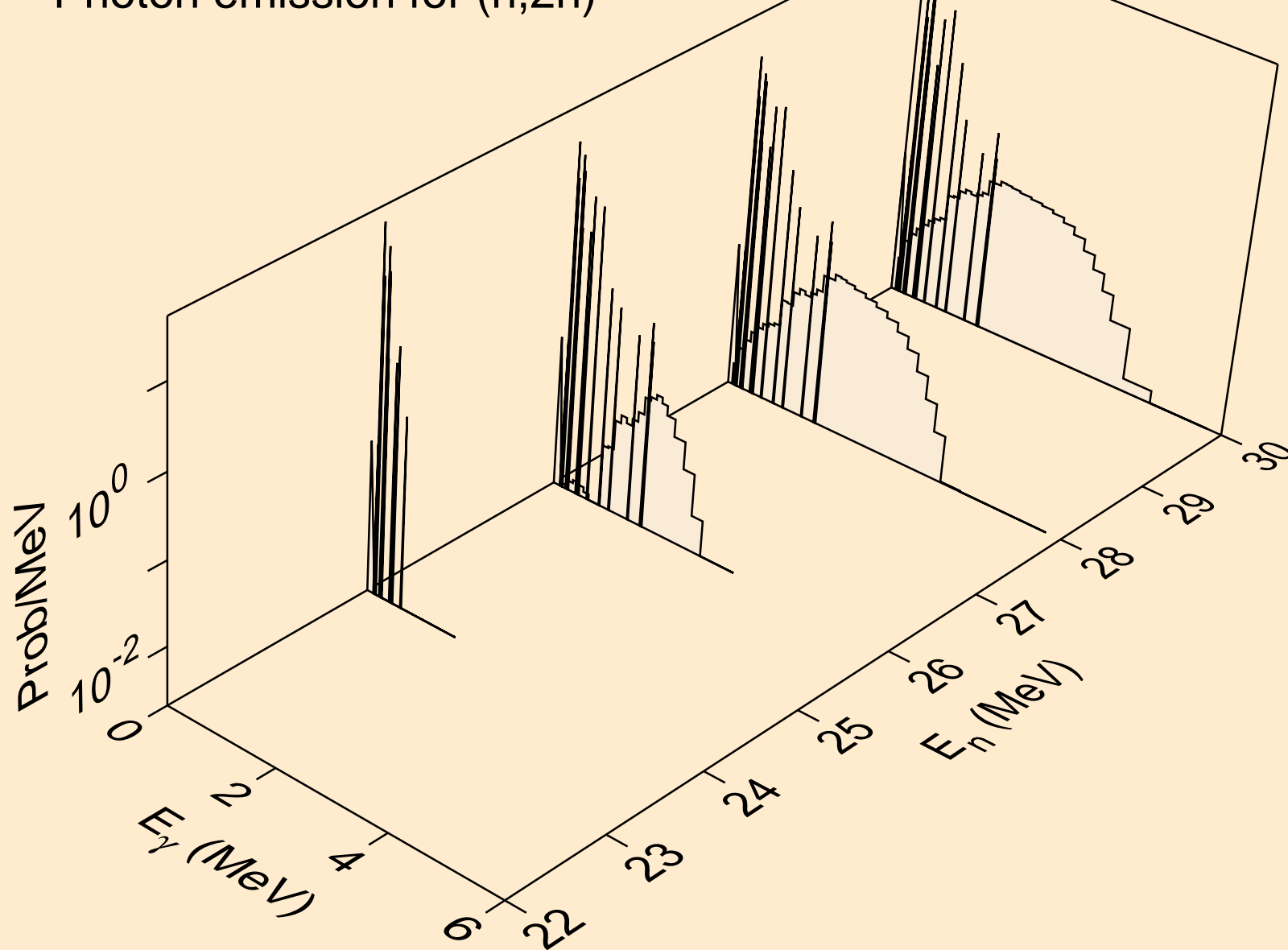
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Photon emission for (z,n)



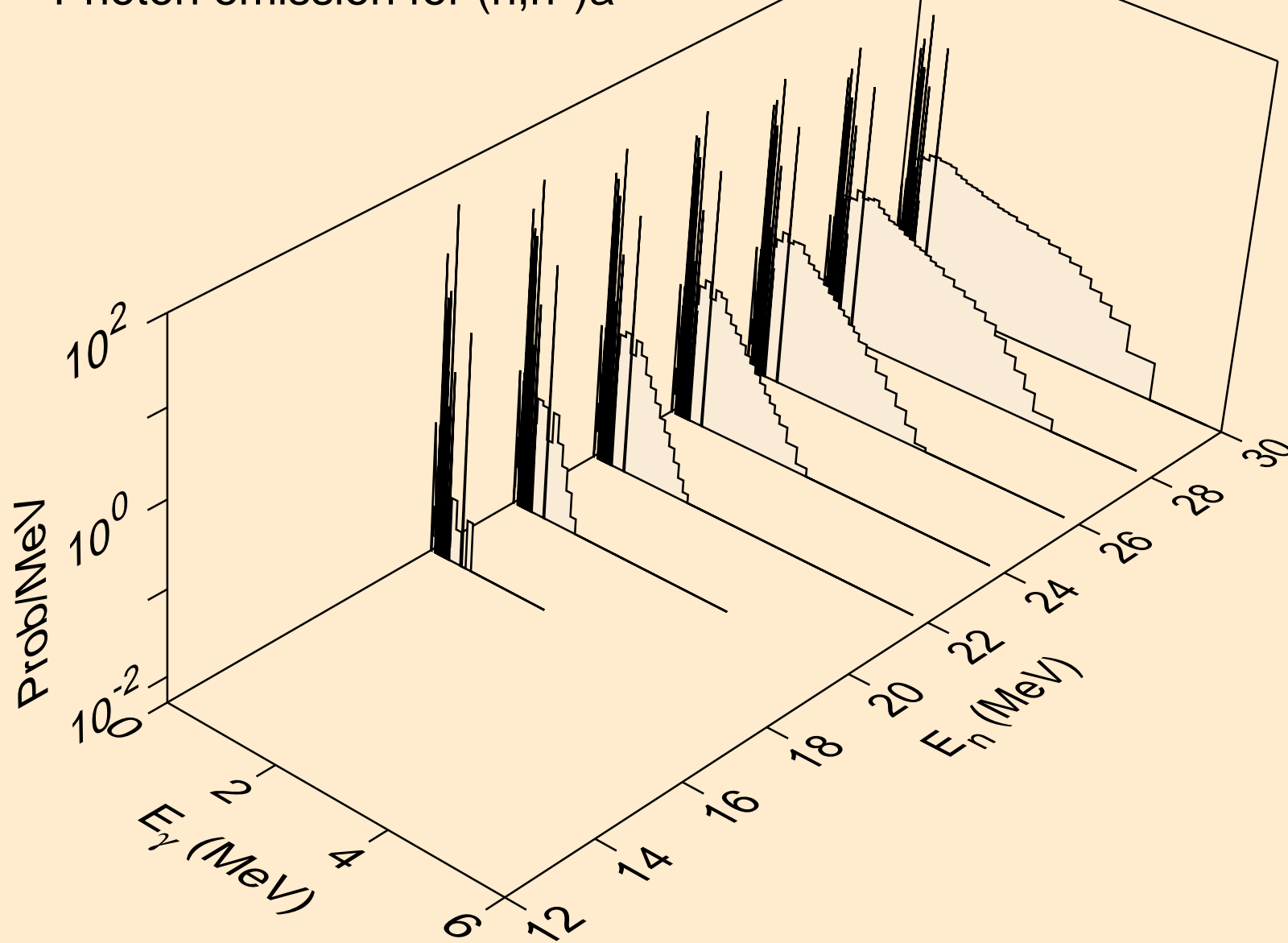
ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



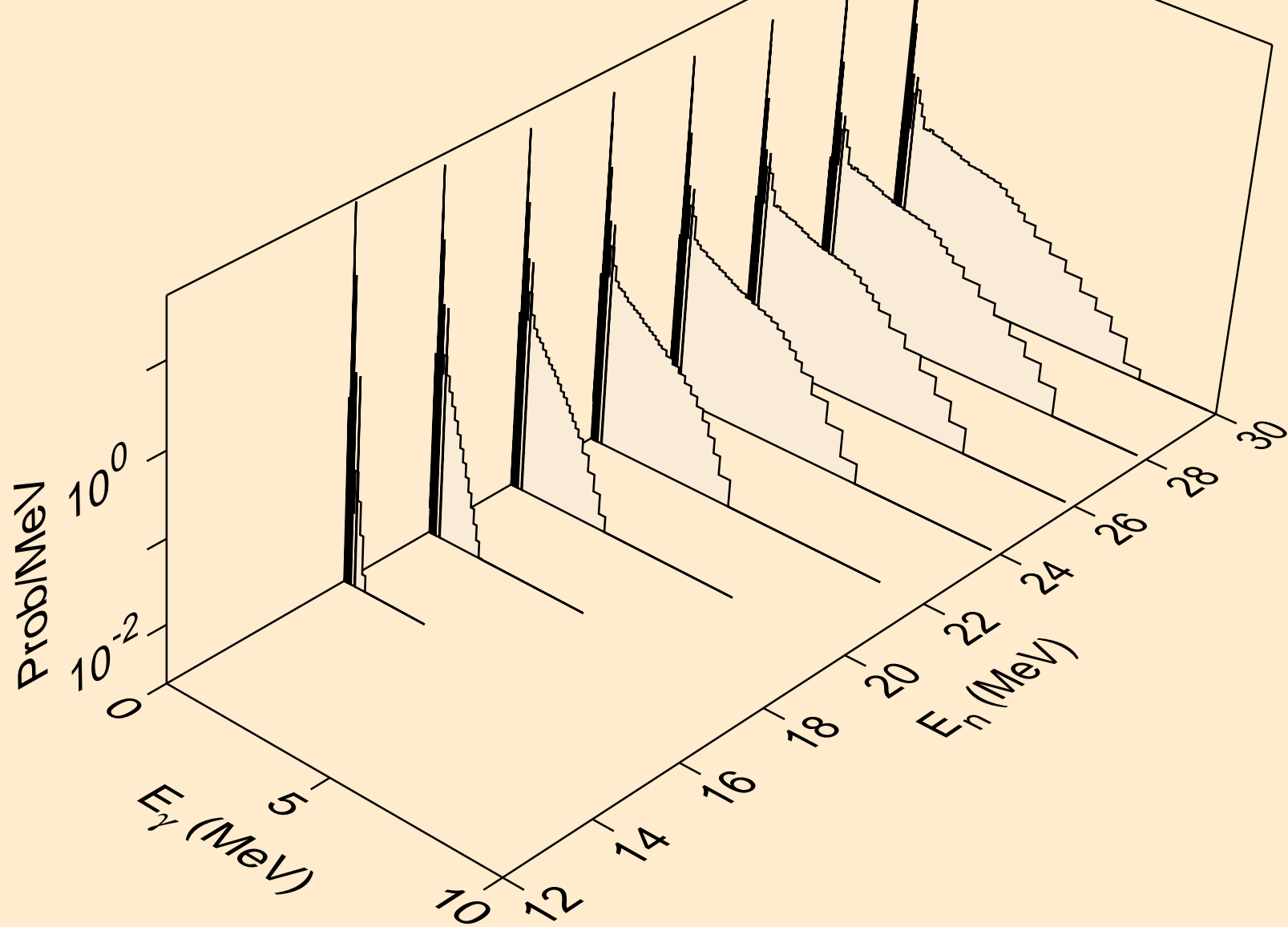
ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)



ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

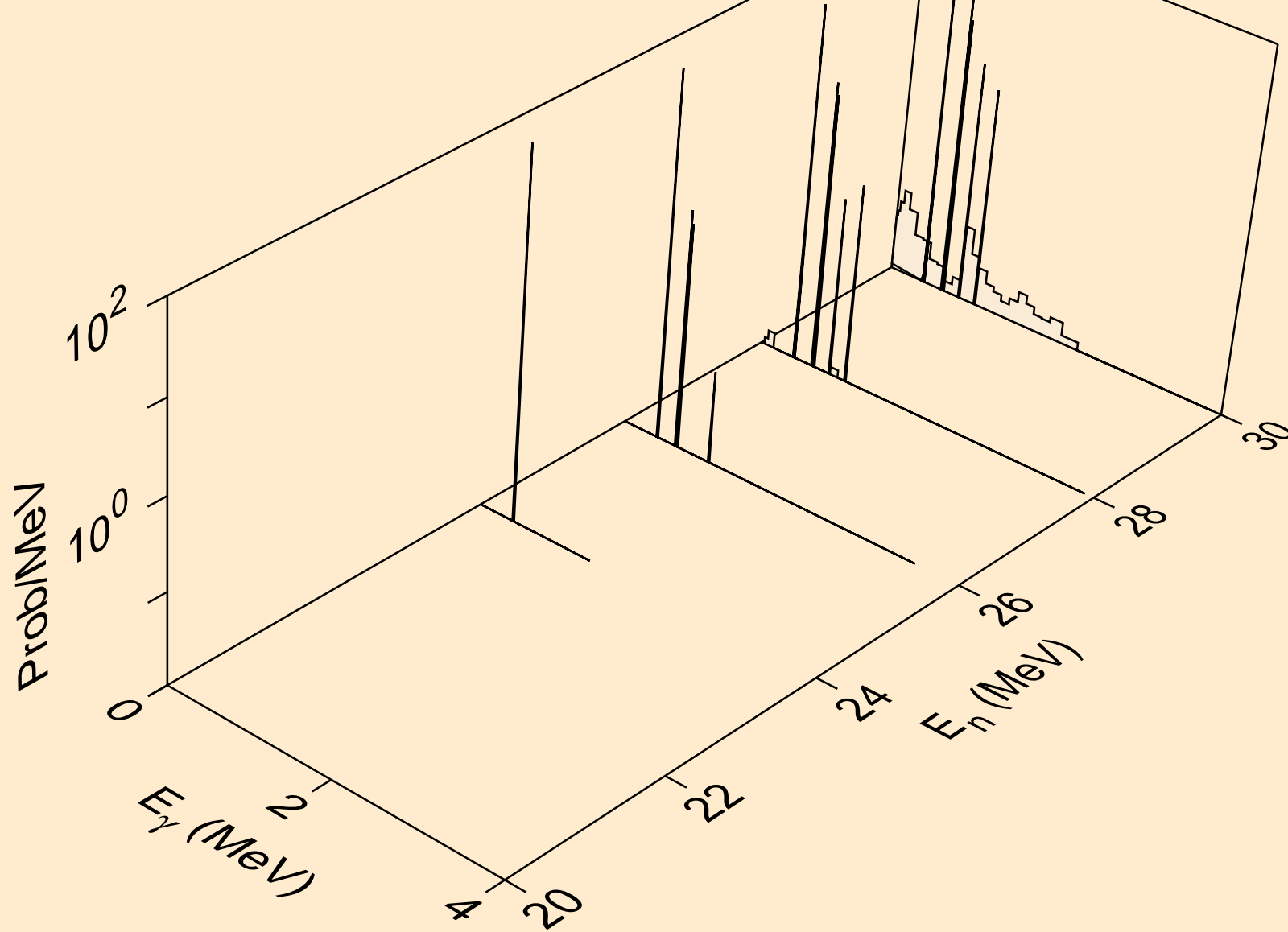


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Photon emission for (n,n\*)p

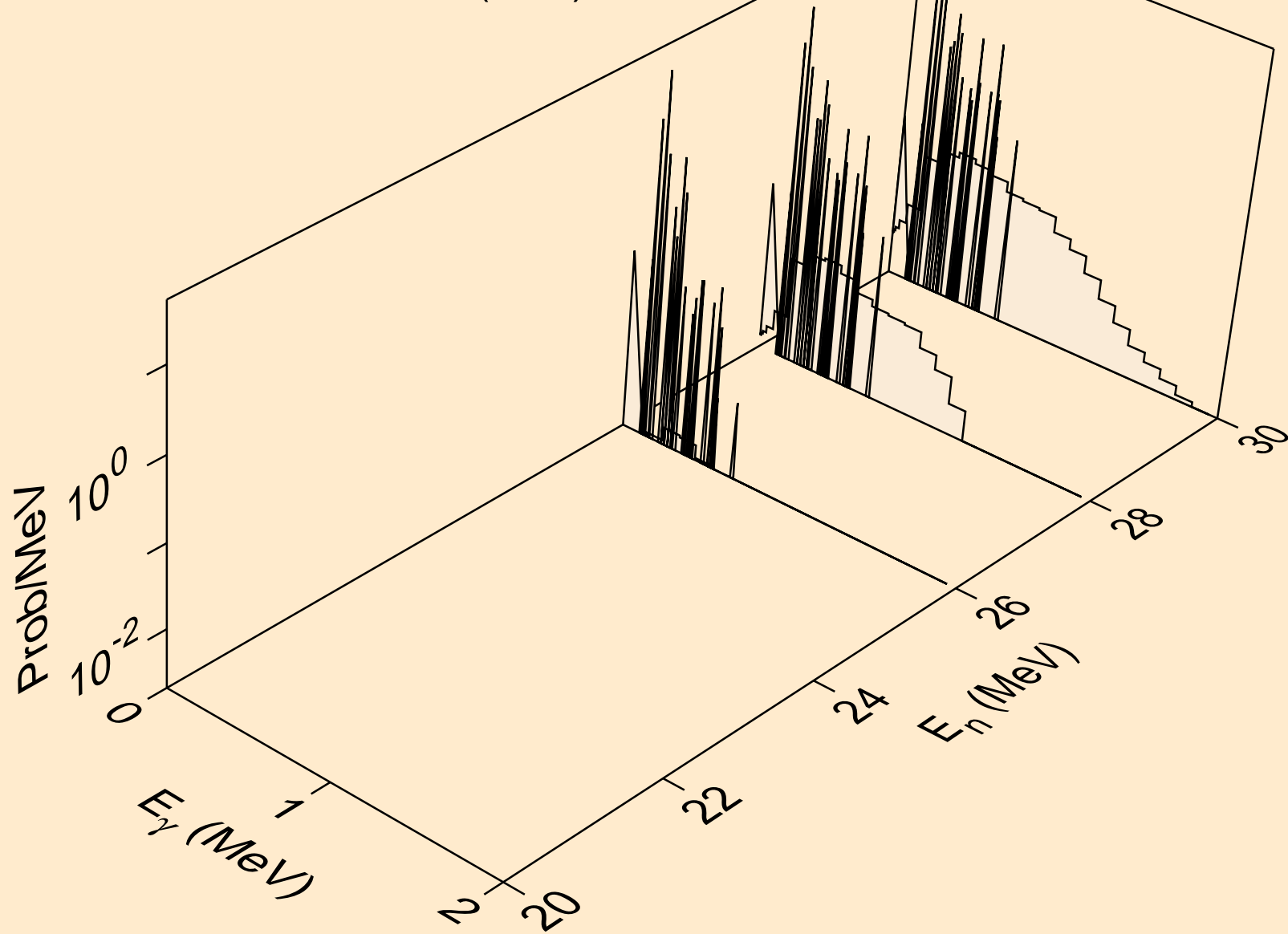




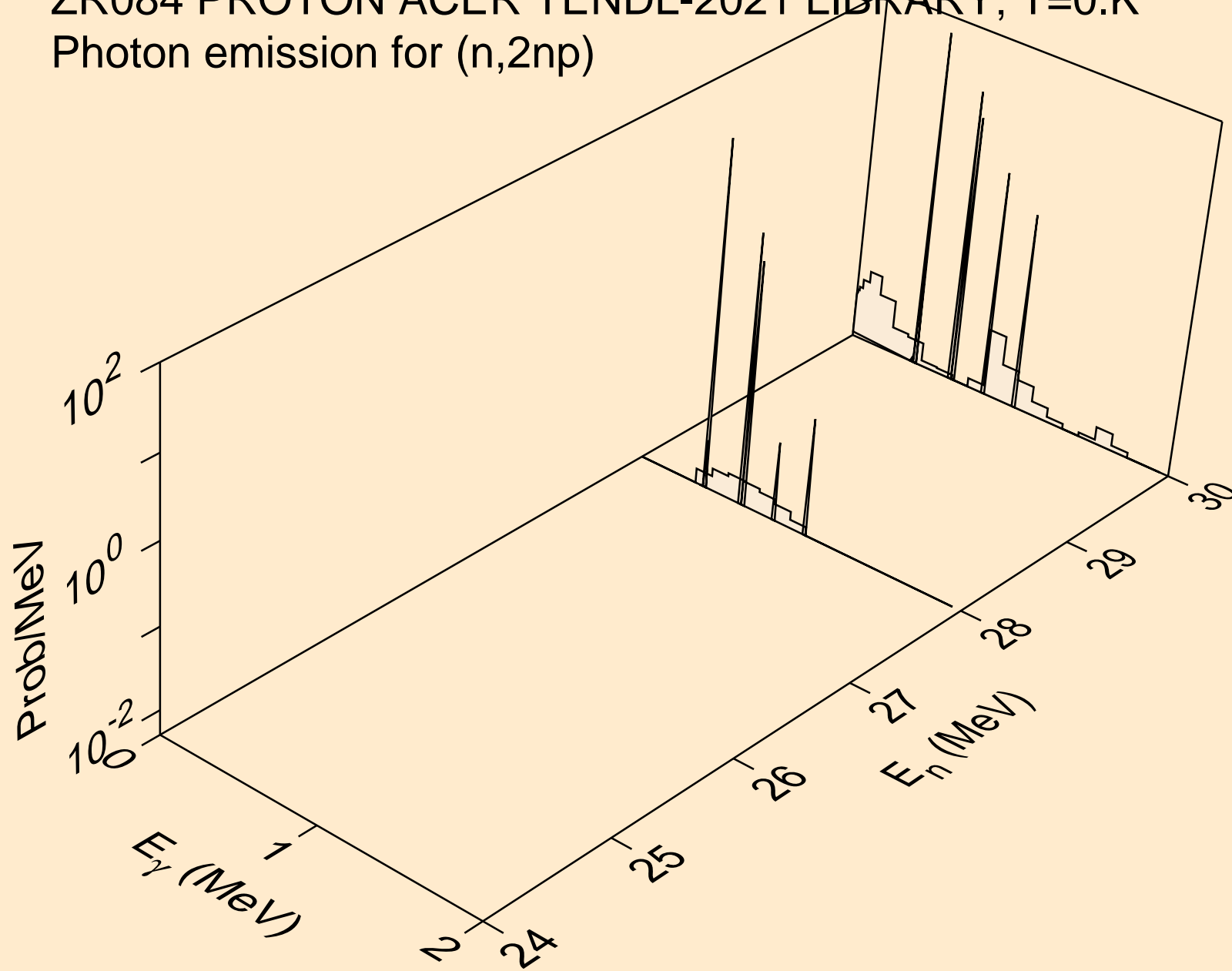
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Photon emission for (n,n\*)d



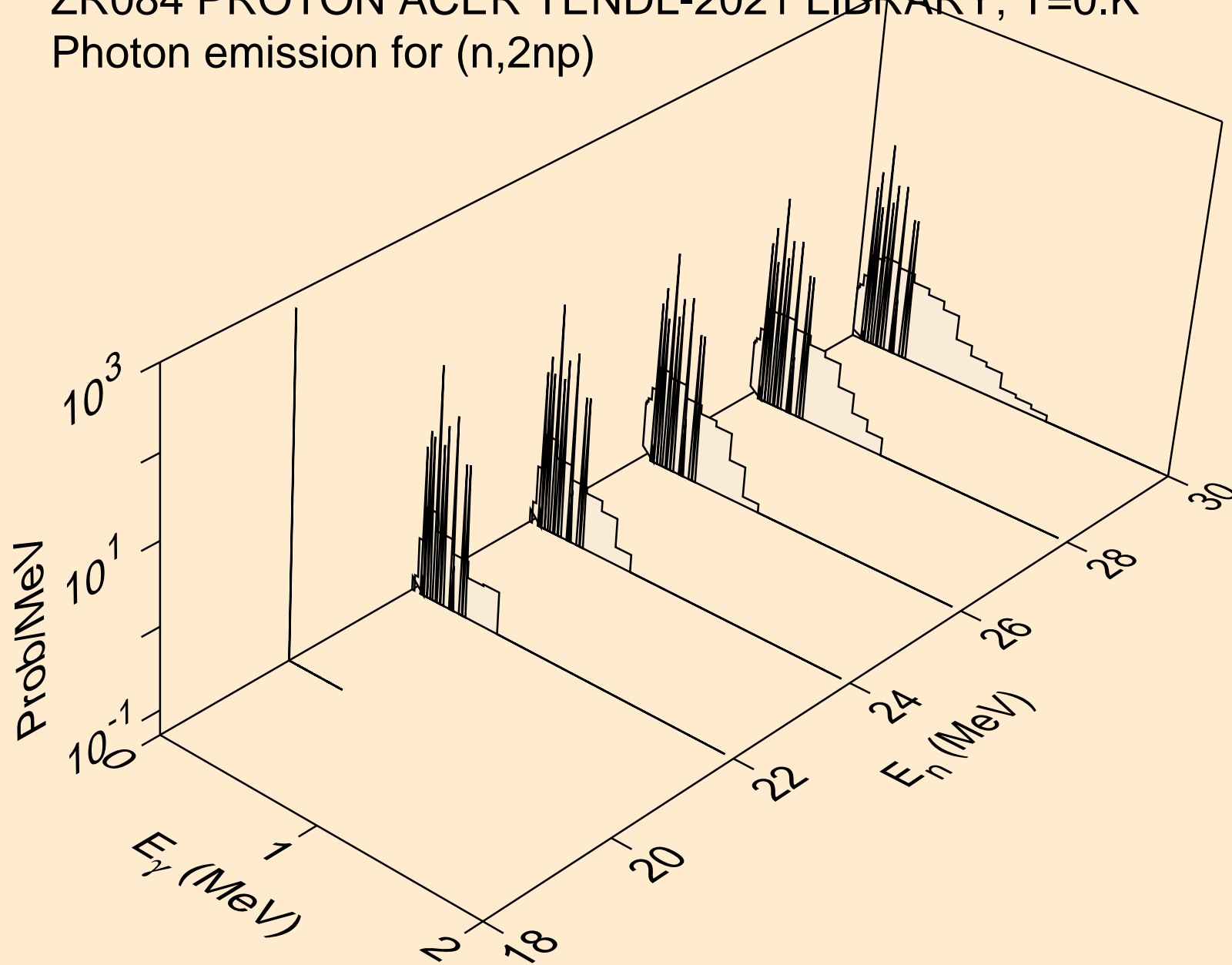
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Photon emission for (n,n\*)he3



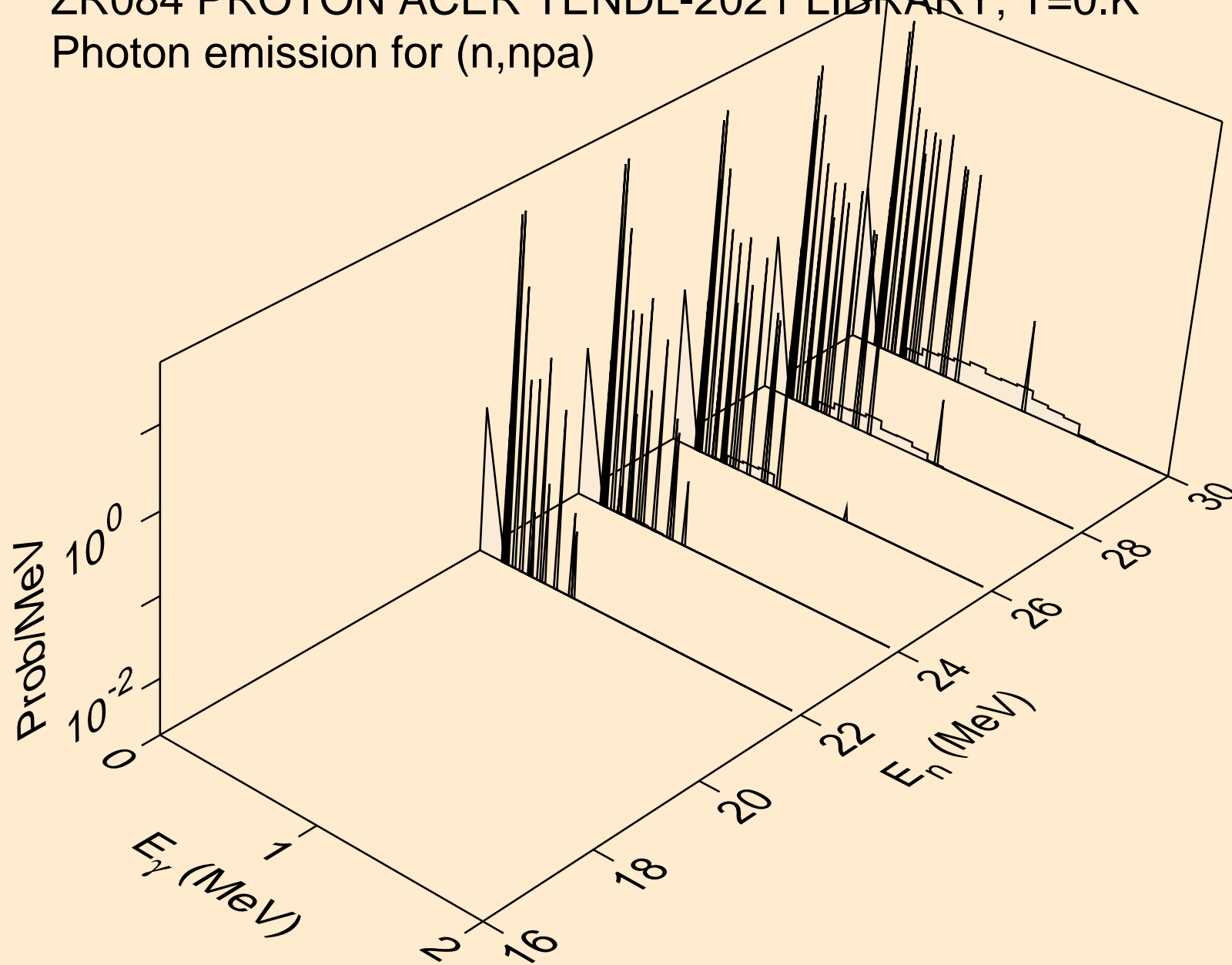
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Photon emission for (n,2np)



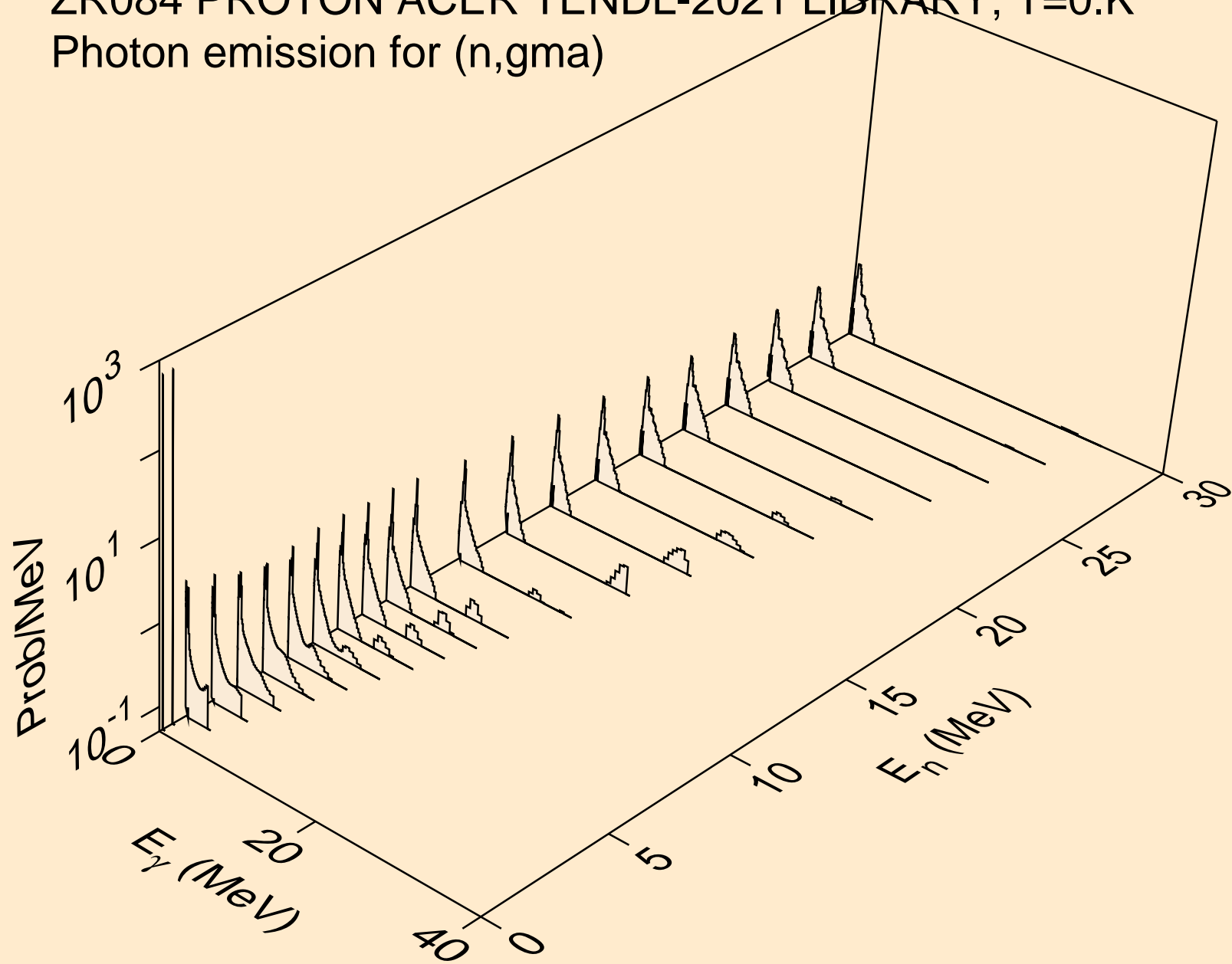
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Photon emission for (n,2np)



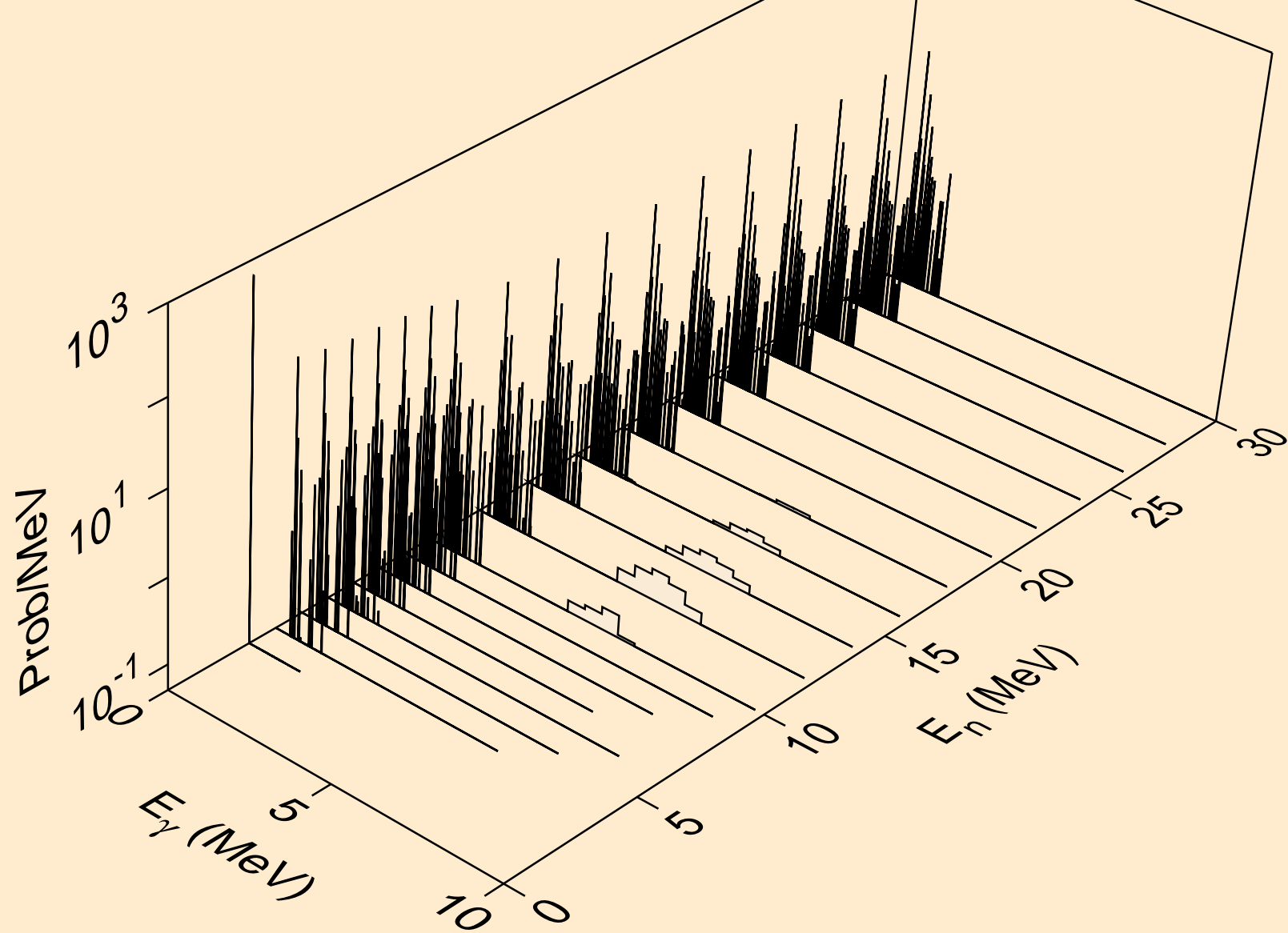
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Photon emission for (n,npa)



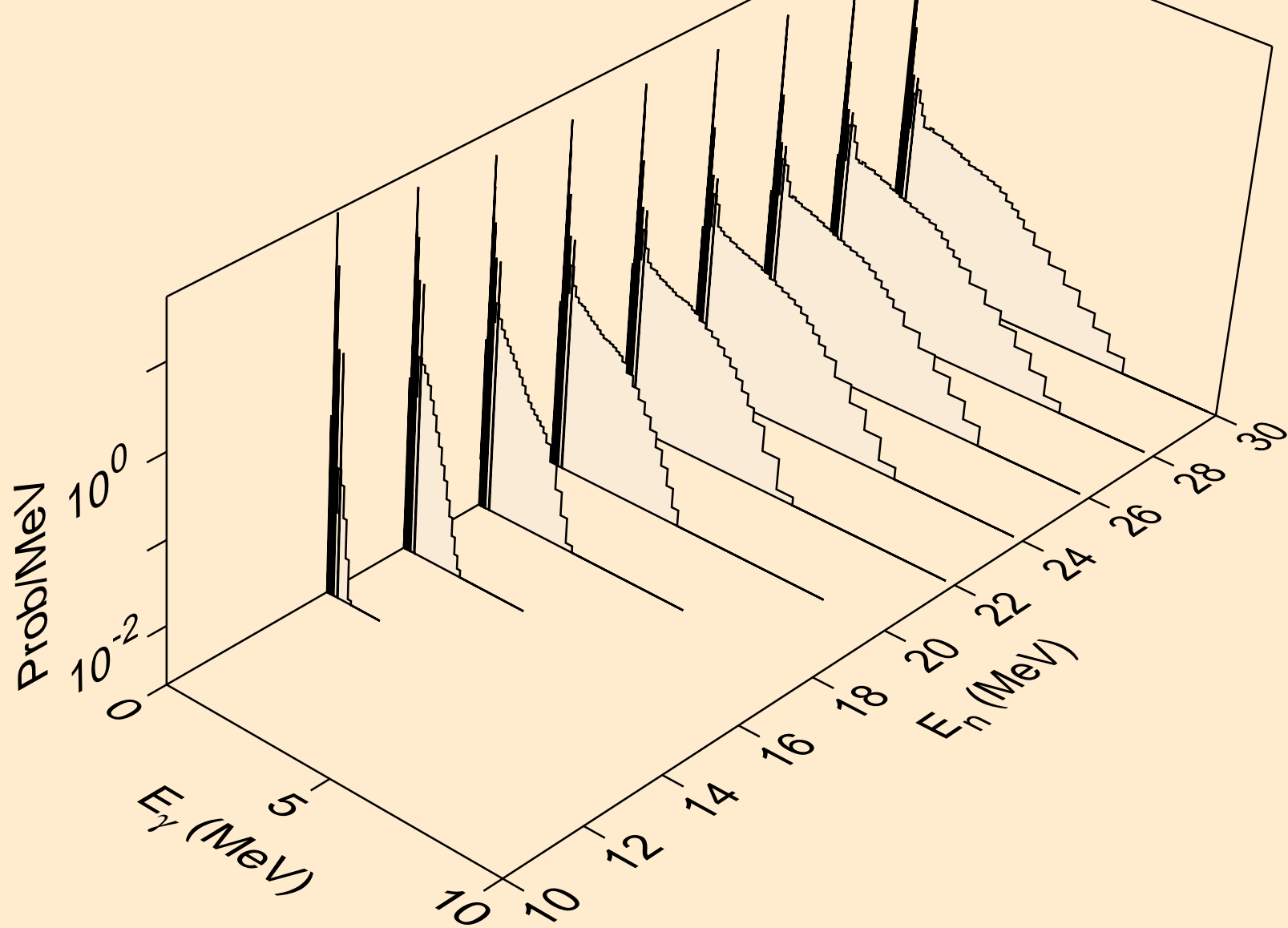
ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,gma)



ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic

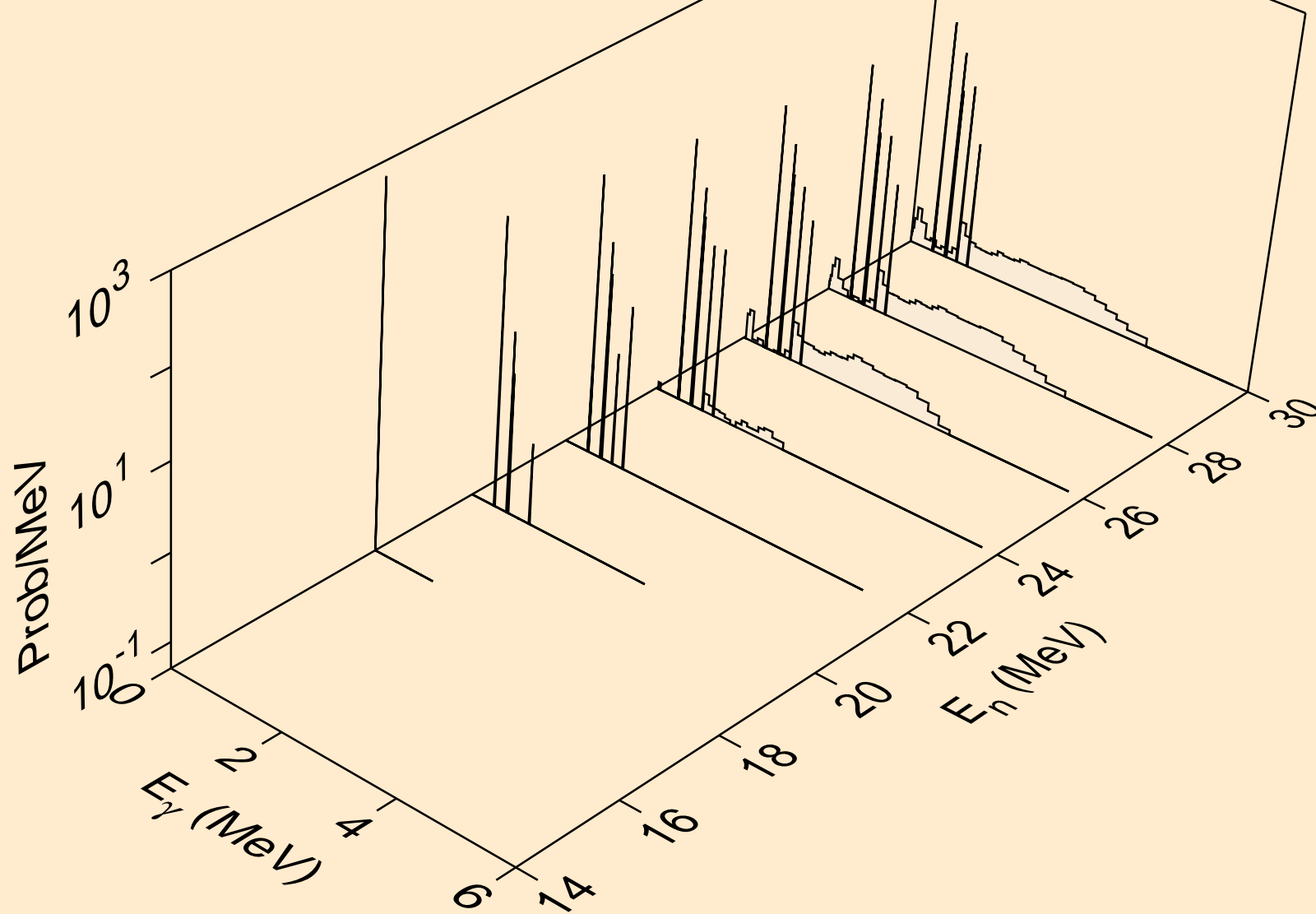


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Photon emission for (n,d)

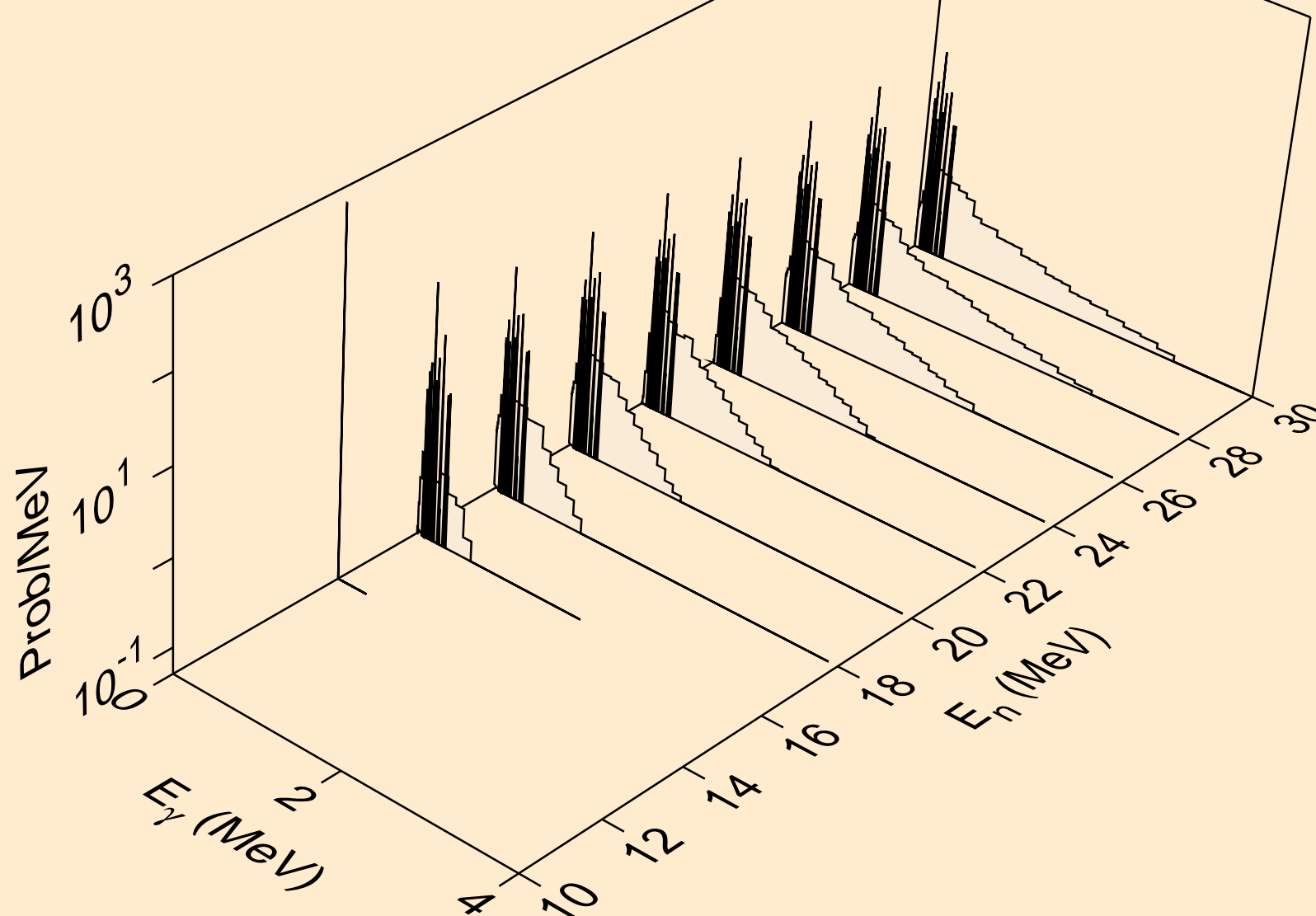




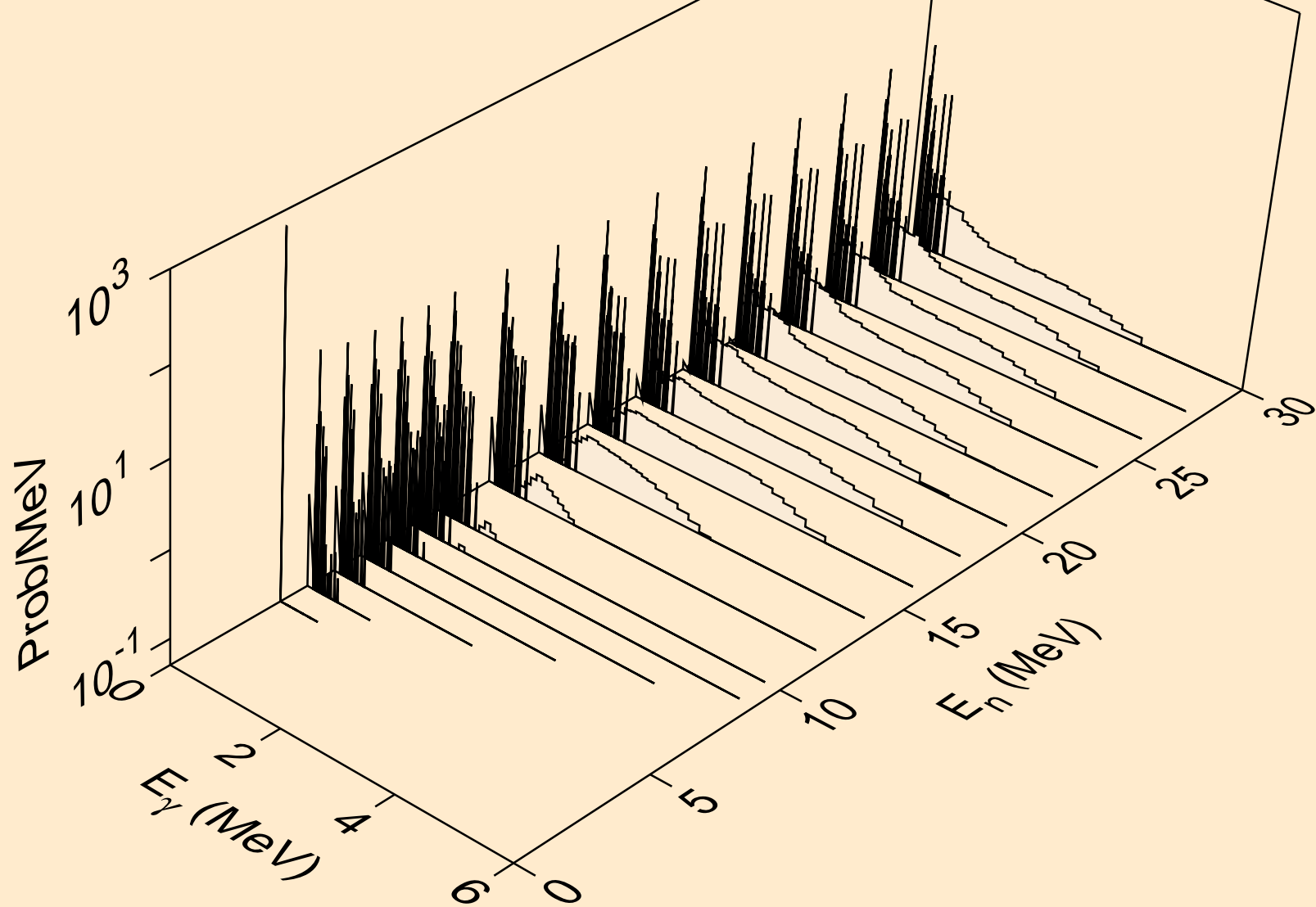
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Photon emission for (n,t)



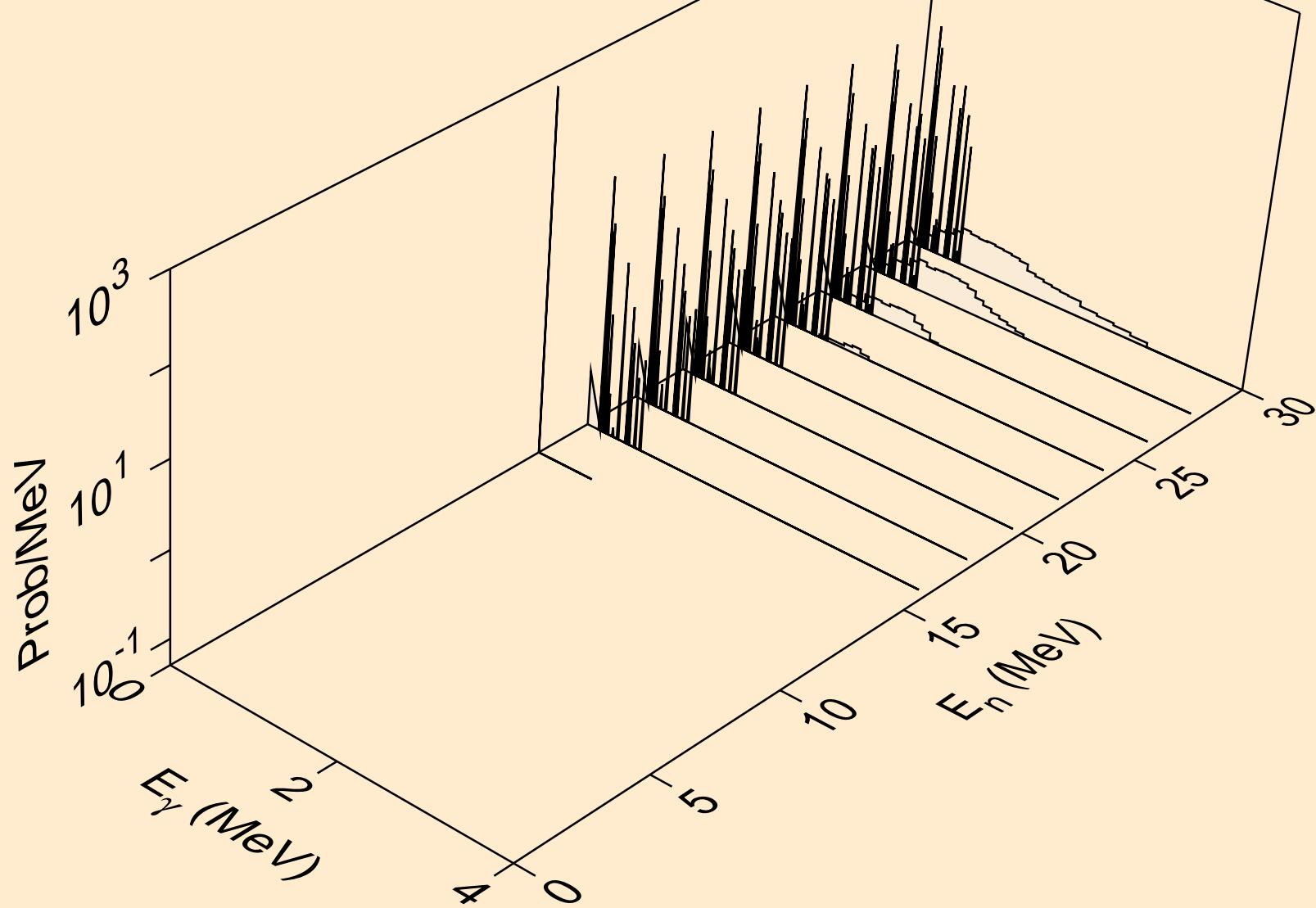
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Photon emission for (n,he3)



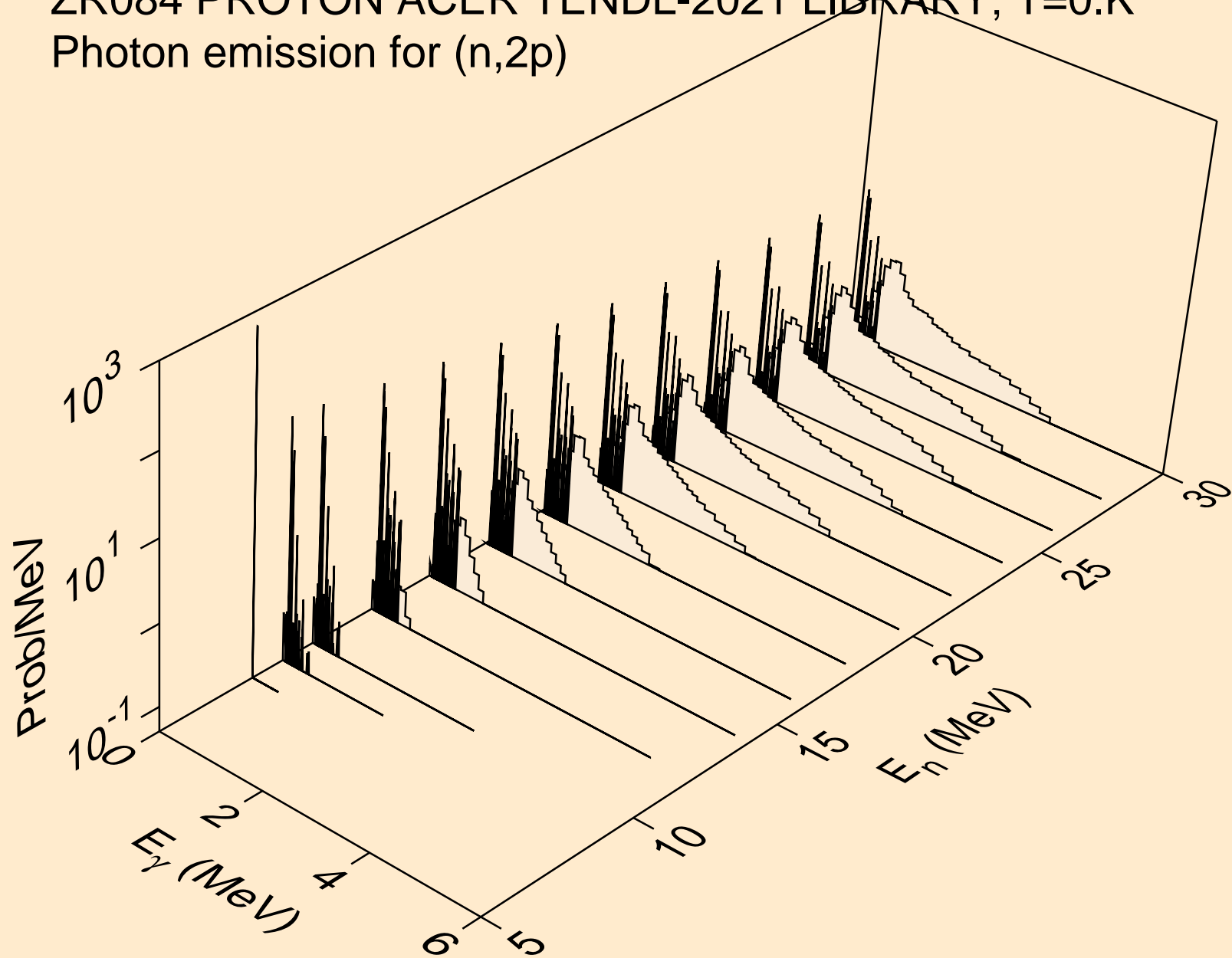
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Photon emission for (n,a)



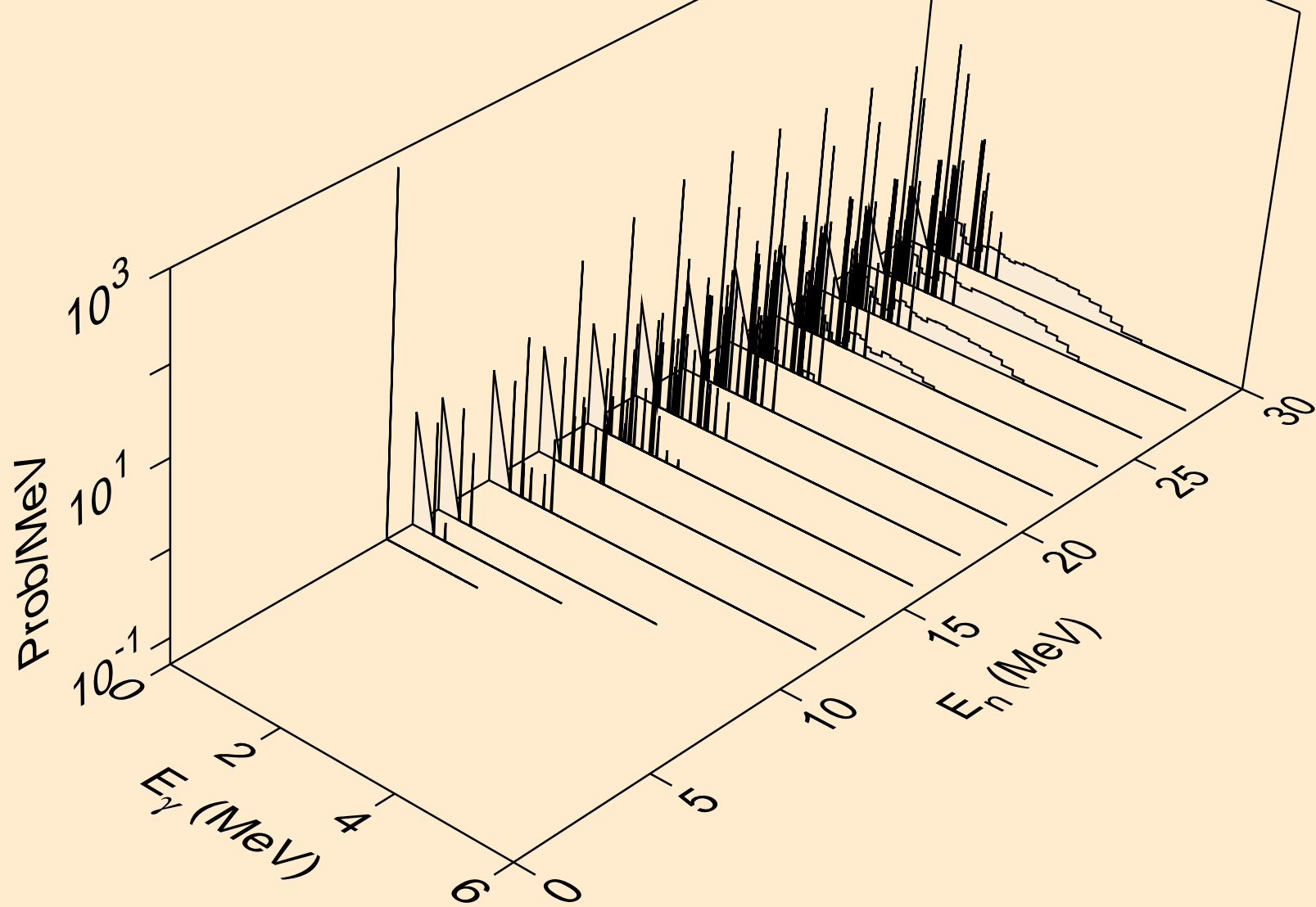
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Photon emission for (n,2a)



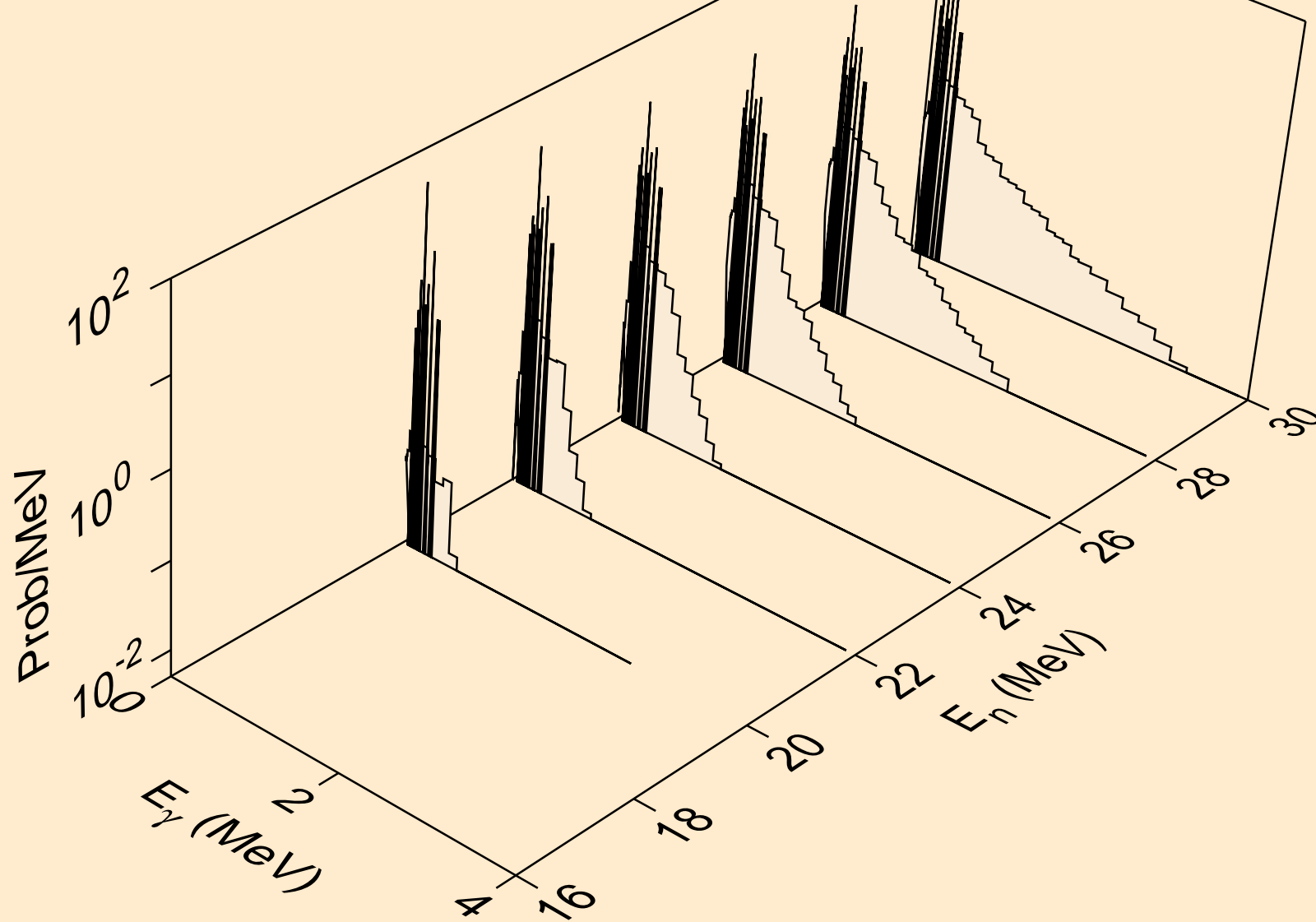
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Photon emission for (n,2p)



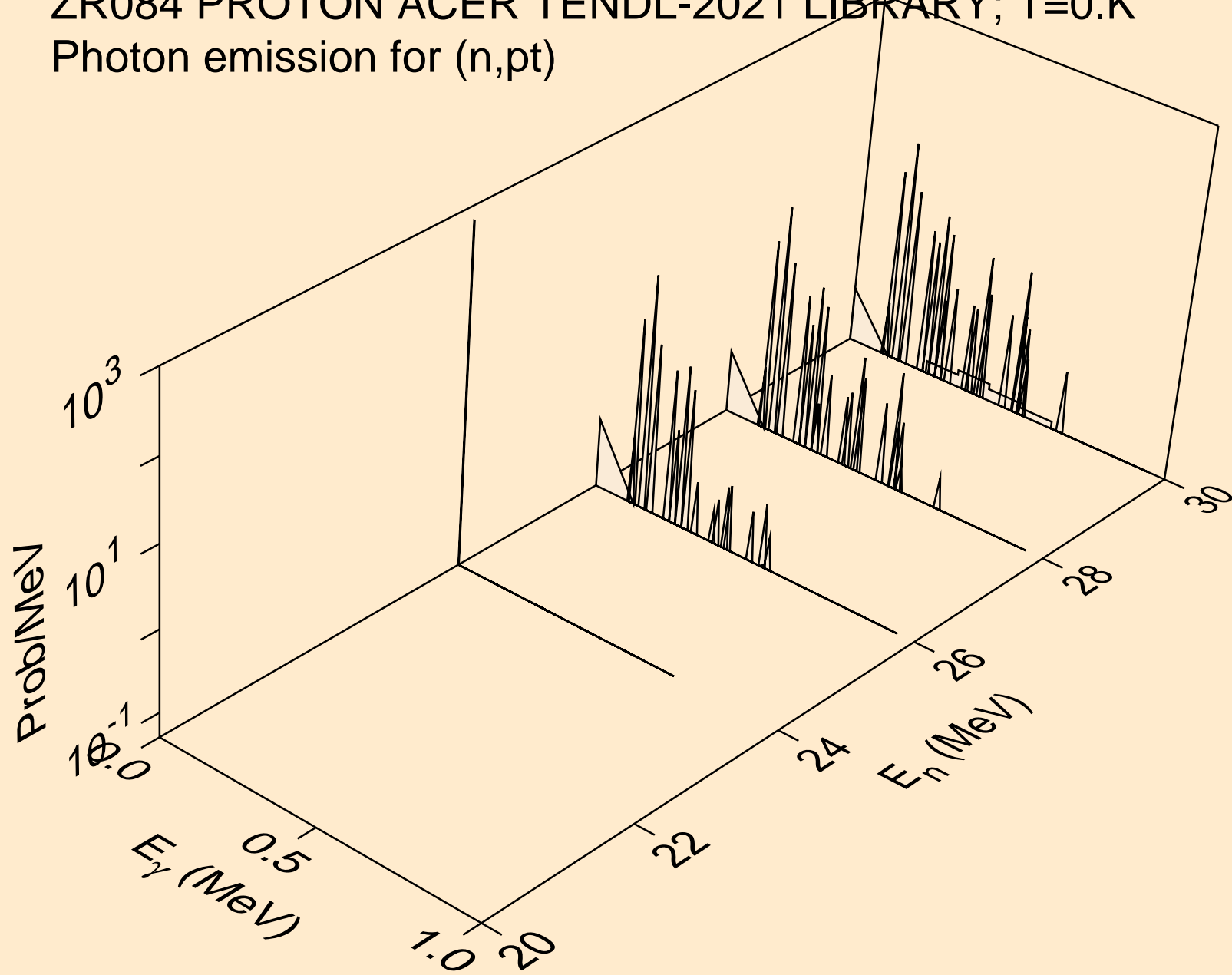
ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pa)



ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pd)

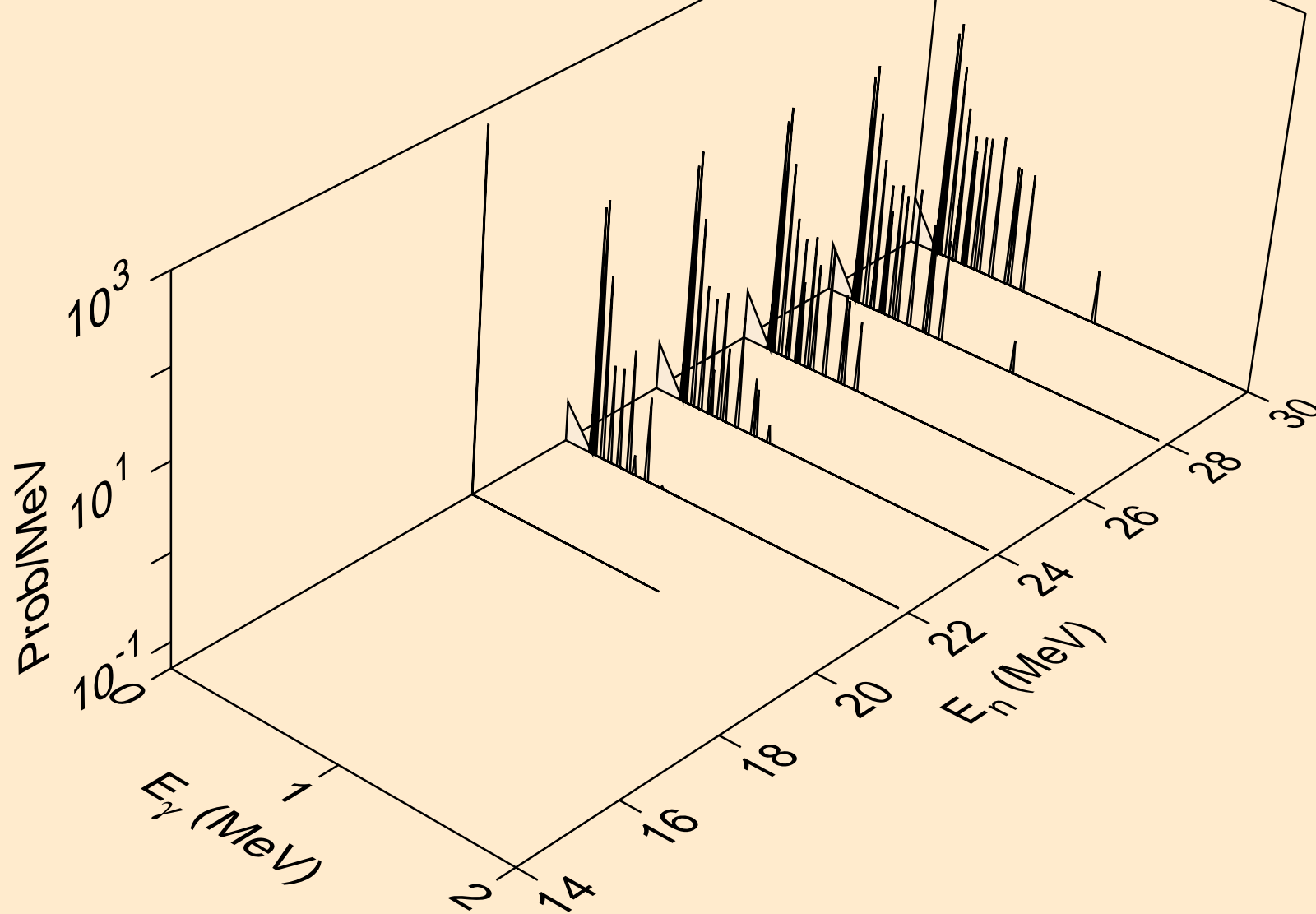


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Photon emission for (n,pt)

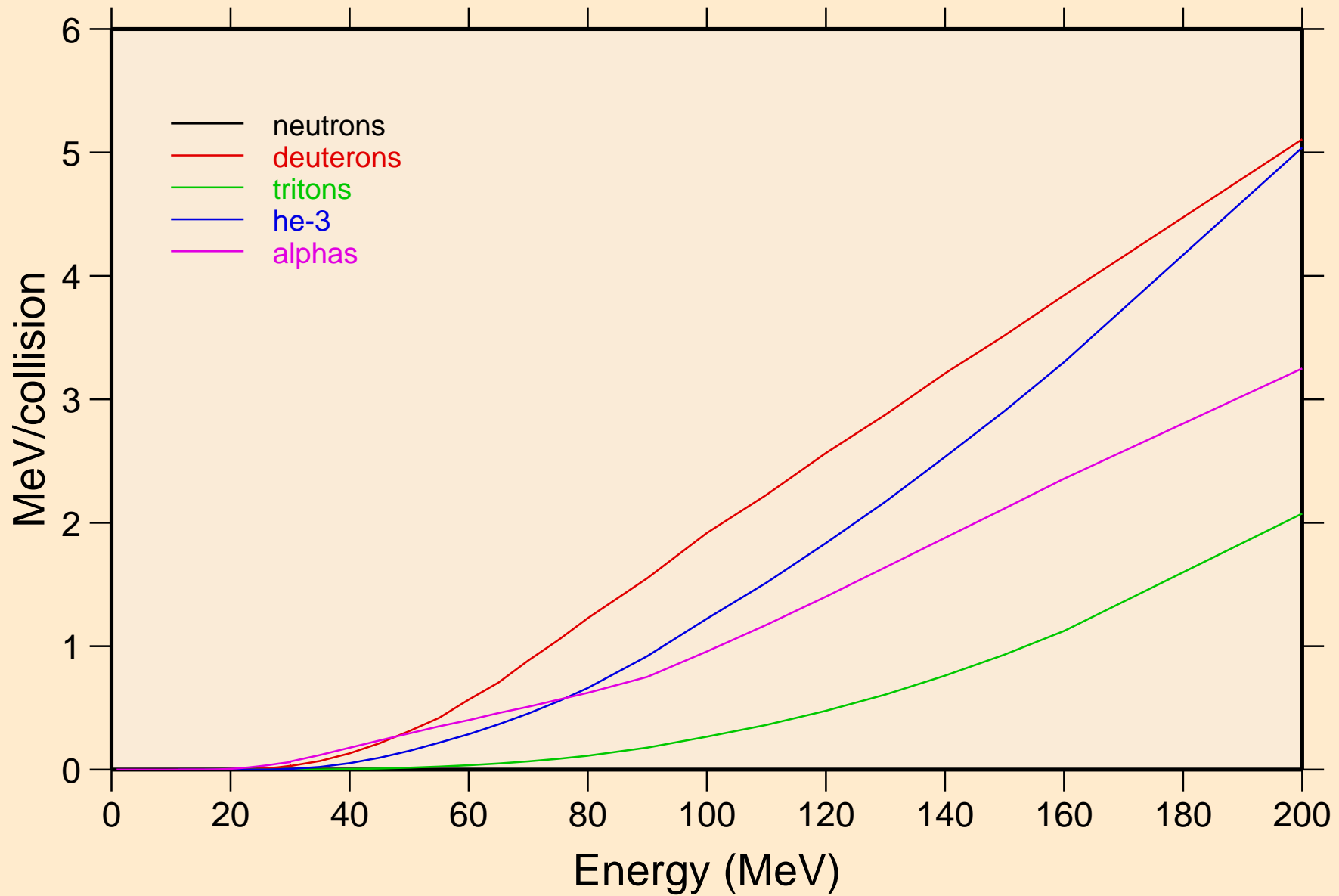




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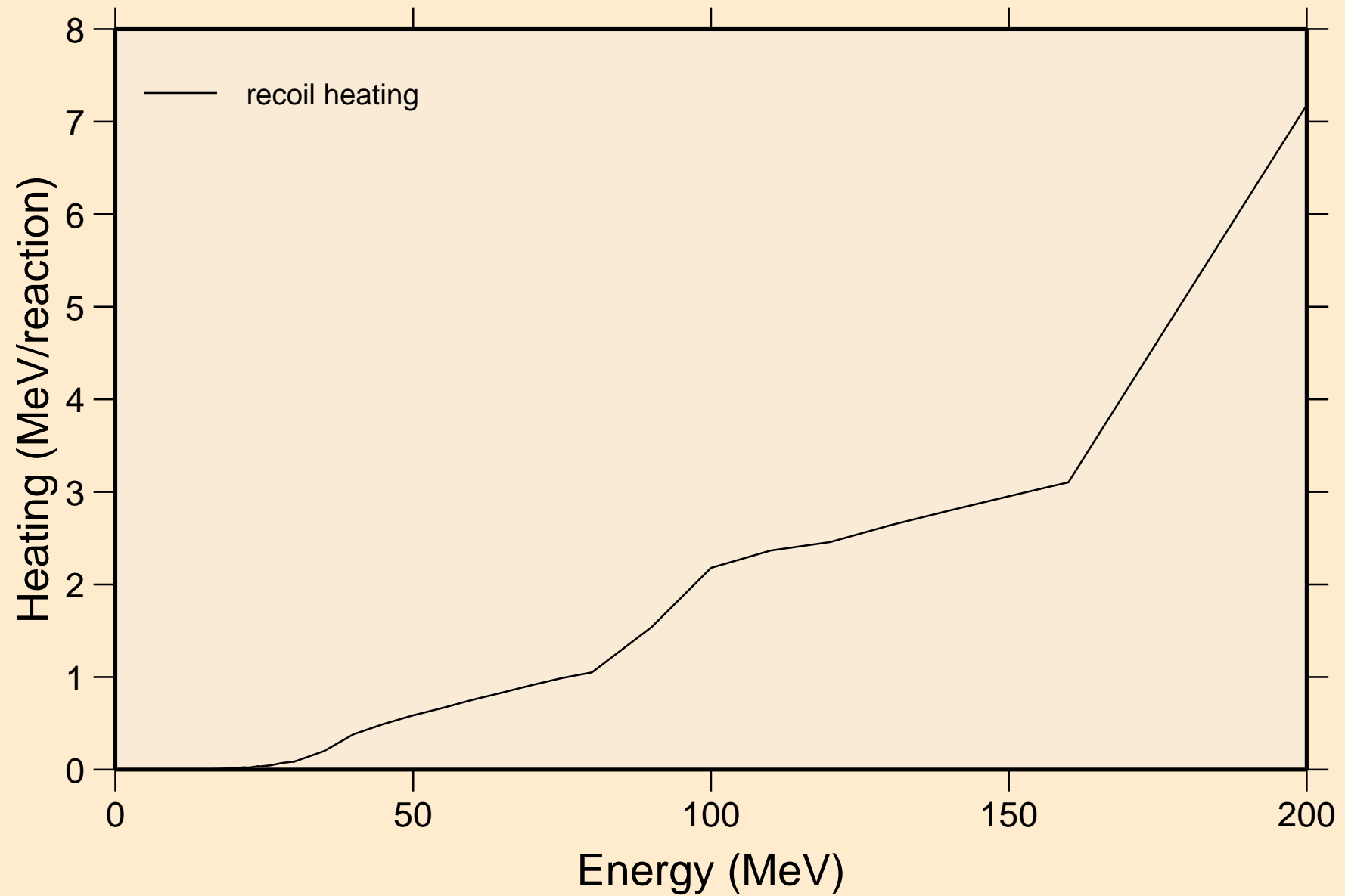


ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Particle heating contributions

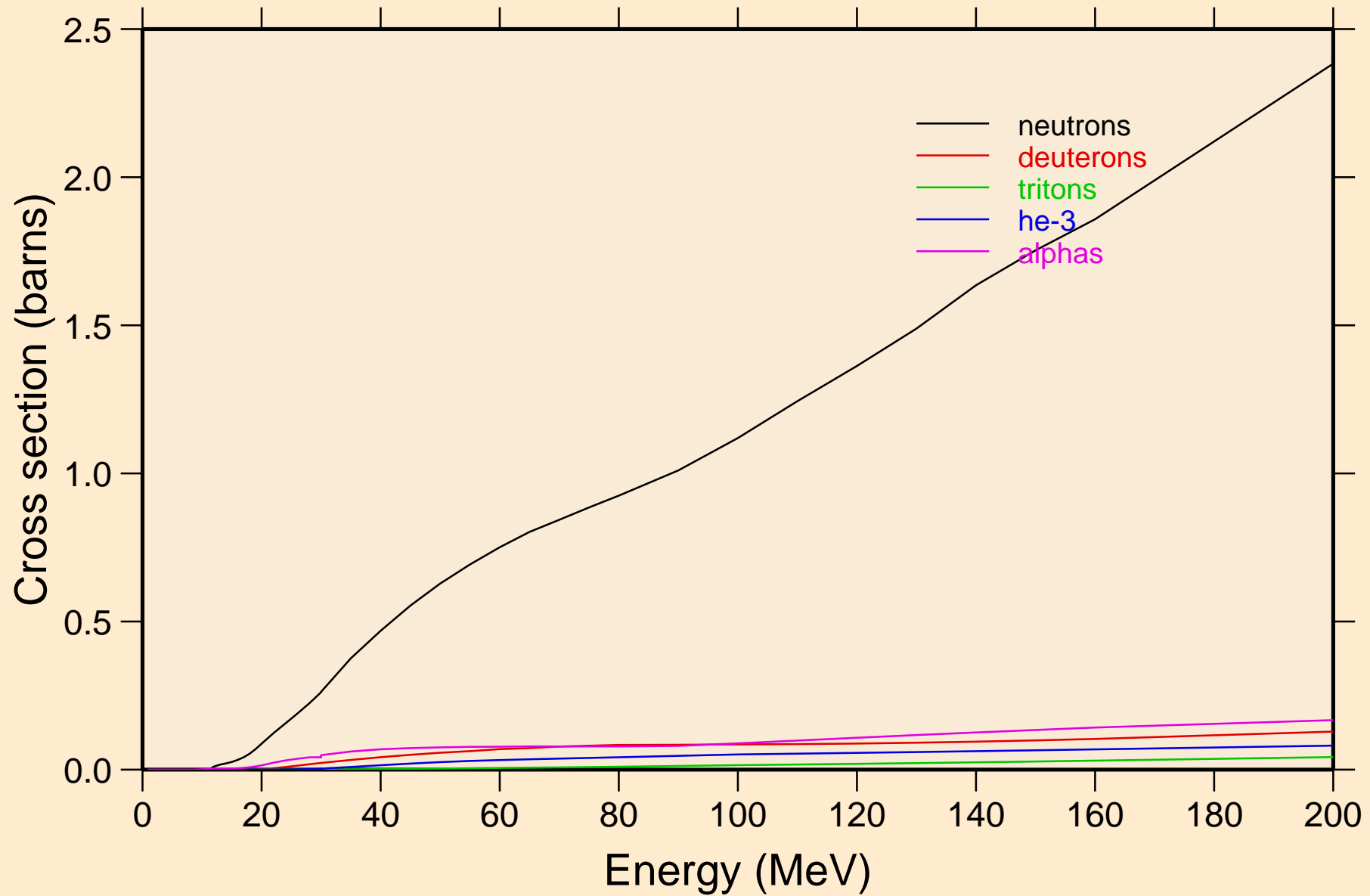


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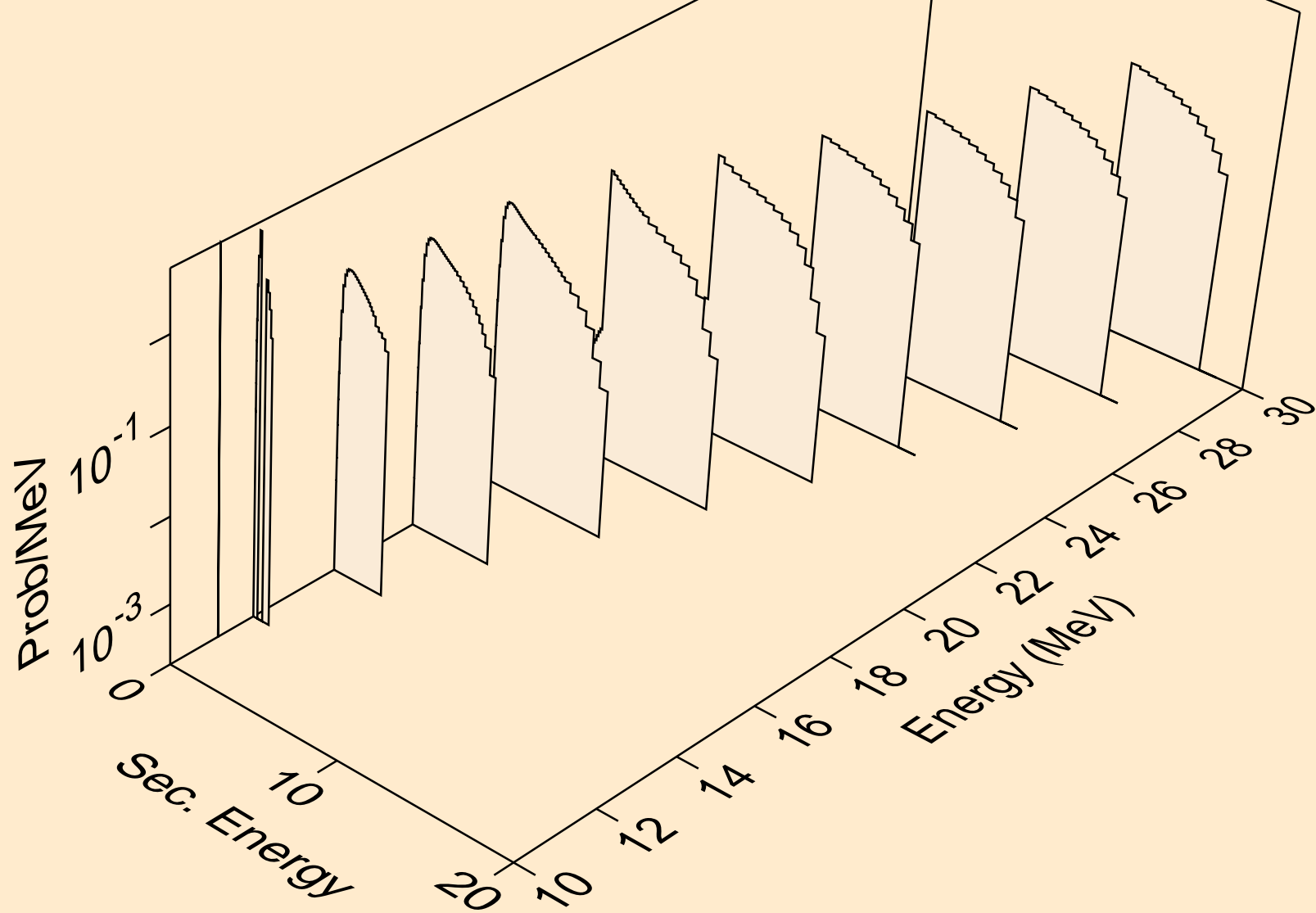
Recoil Heating



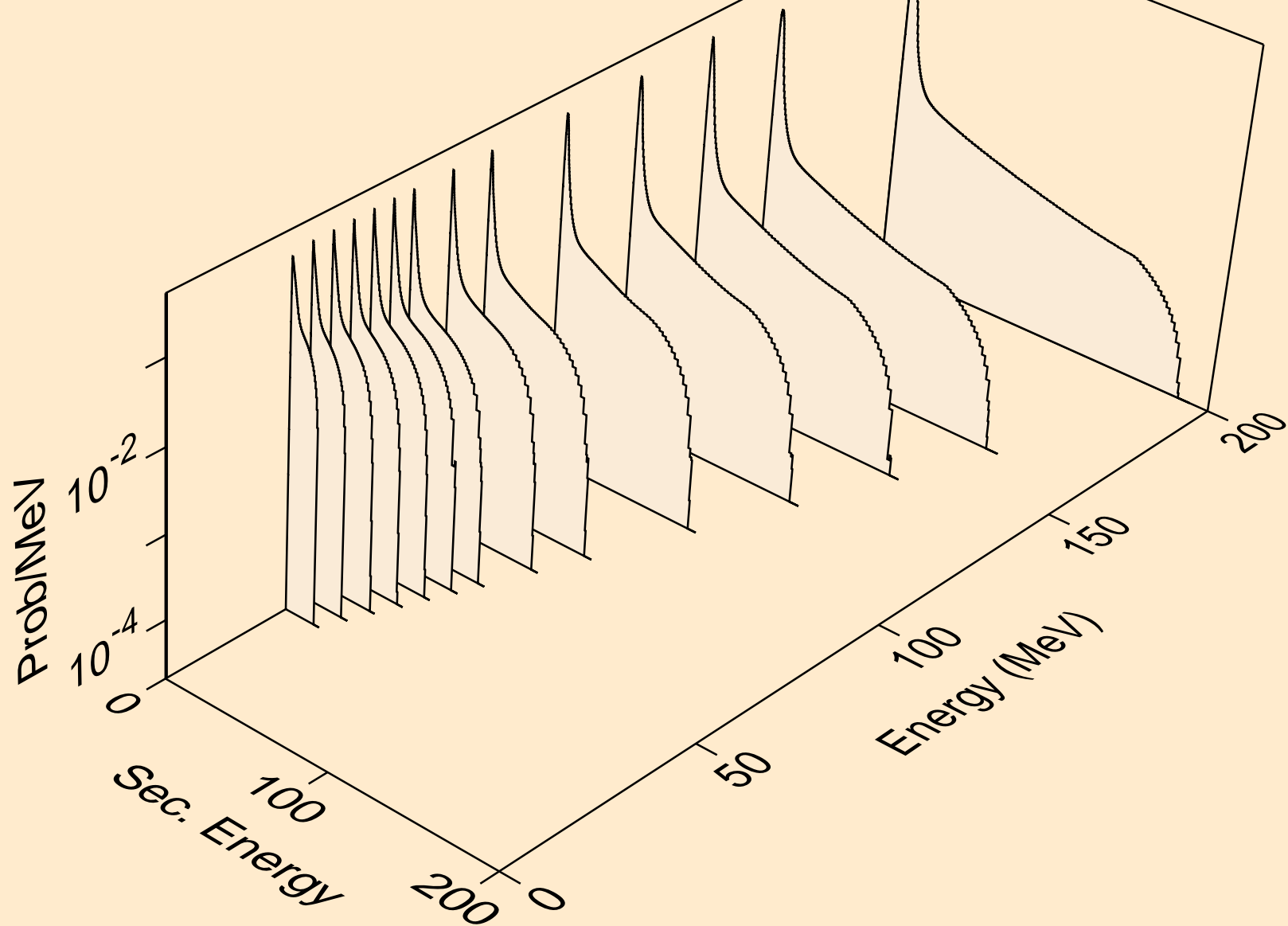
ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Particle production cross sections



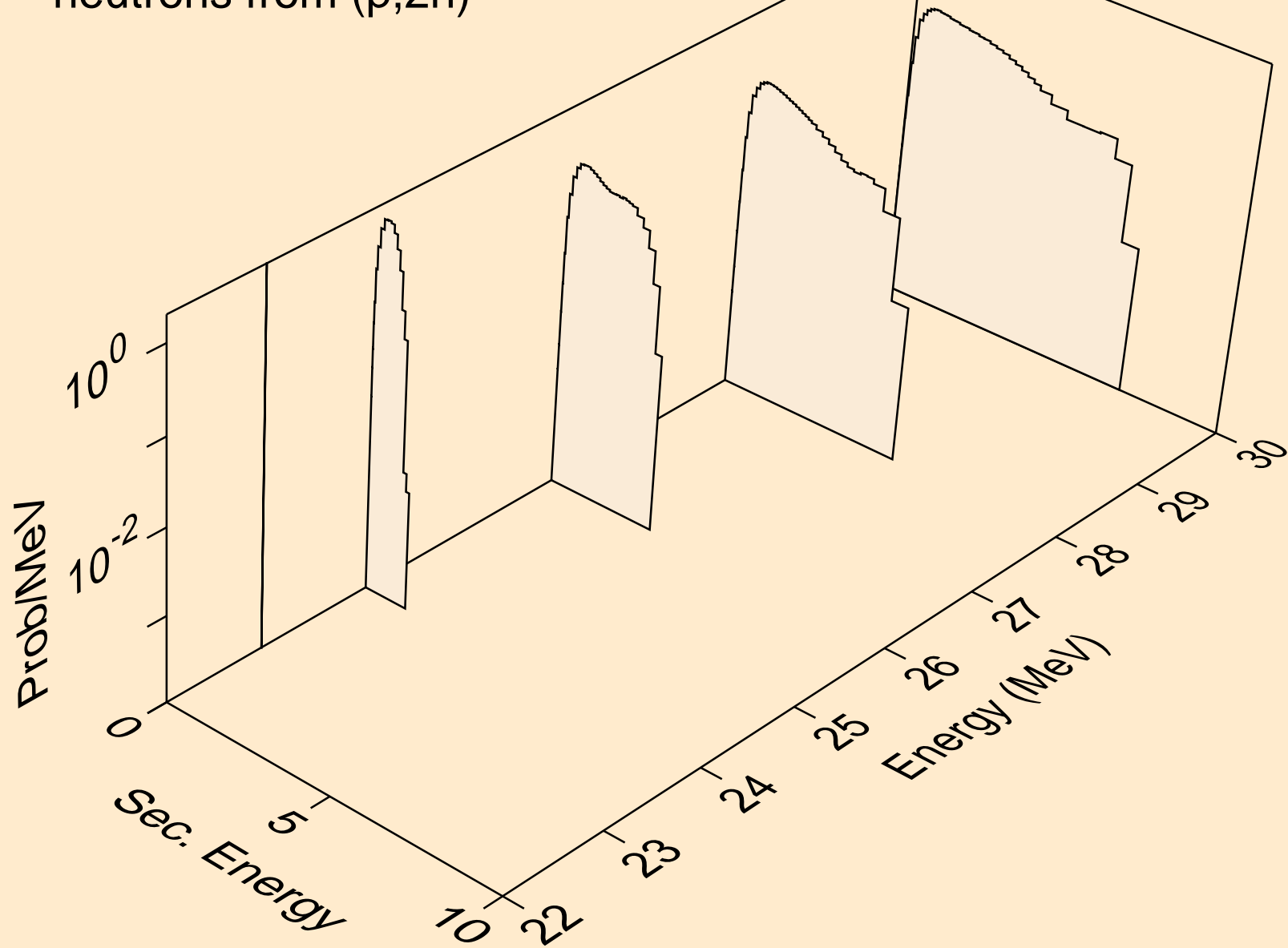
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neutrons from (p,n)



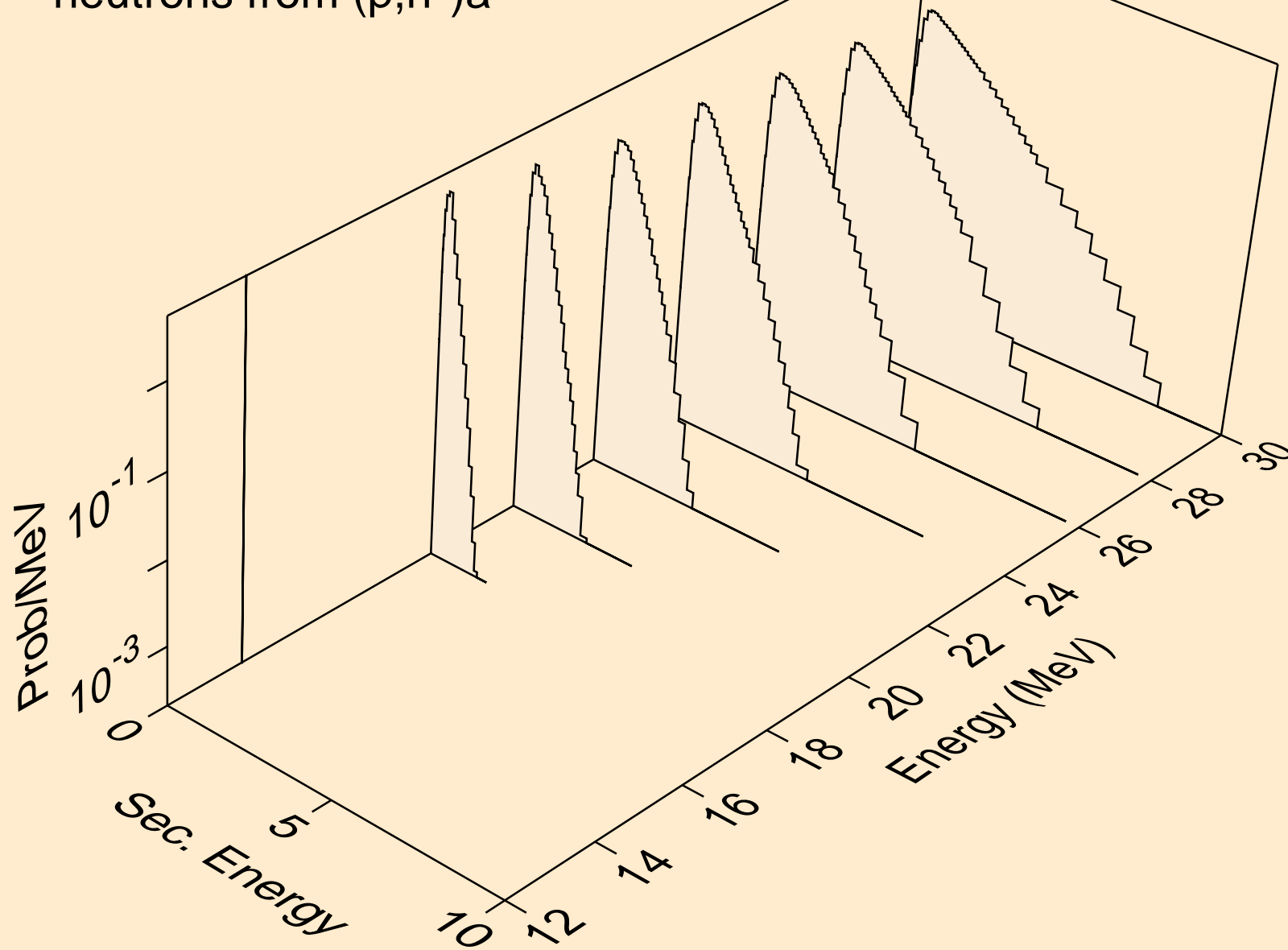
ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,x)



ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2n)

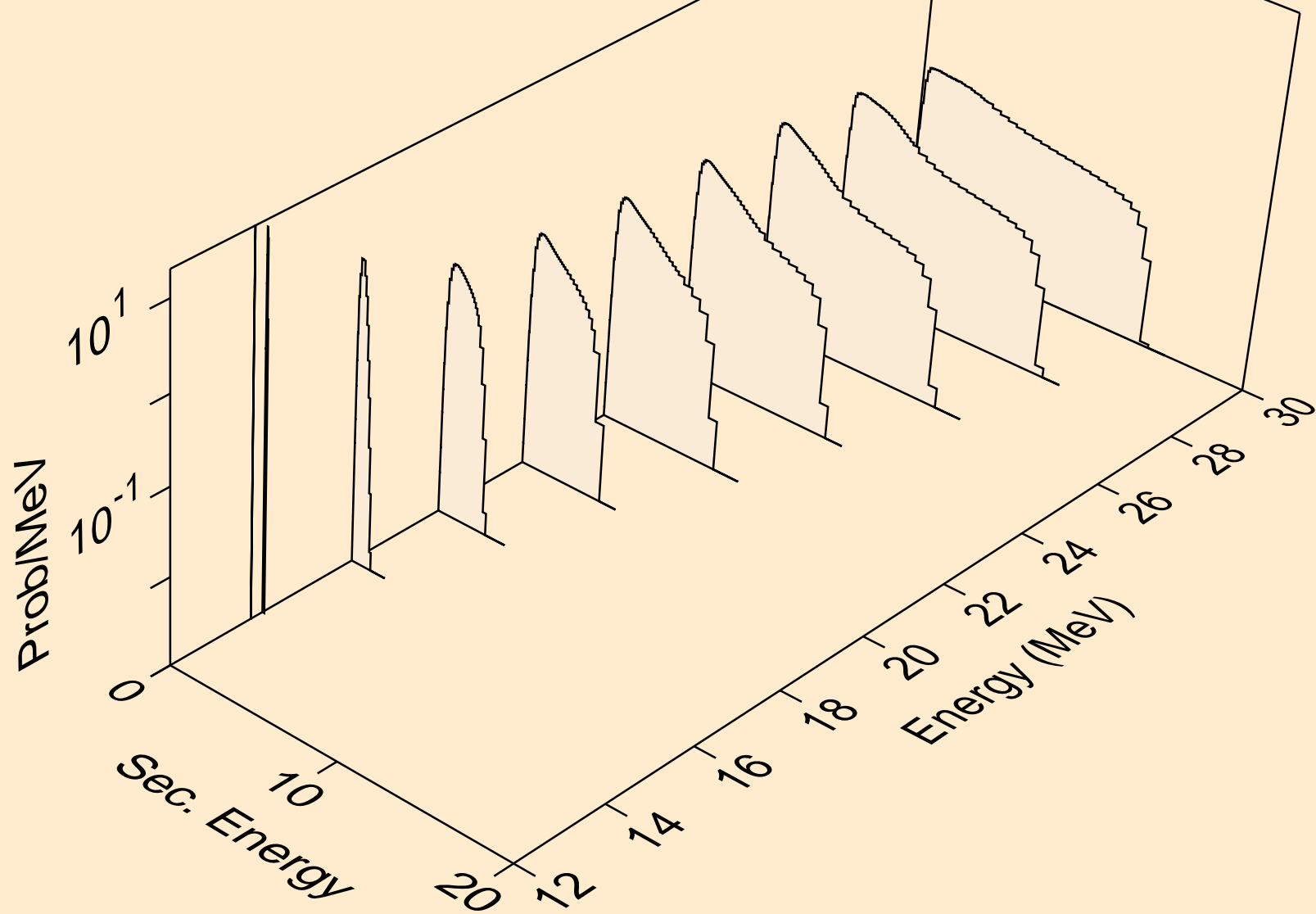


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neutrons from (p,n\*)a

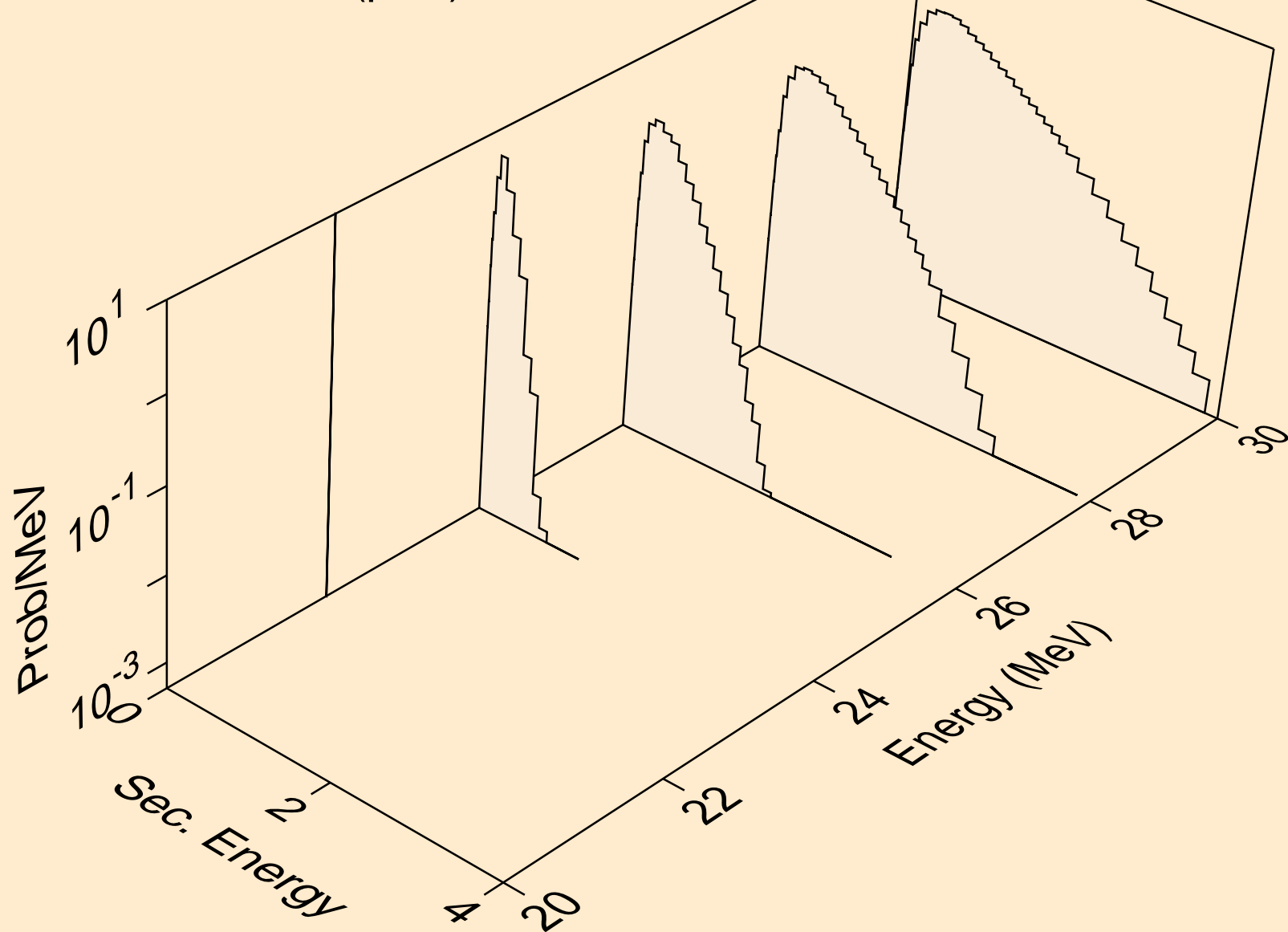




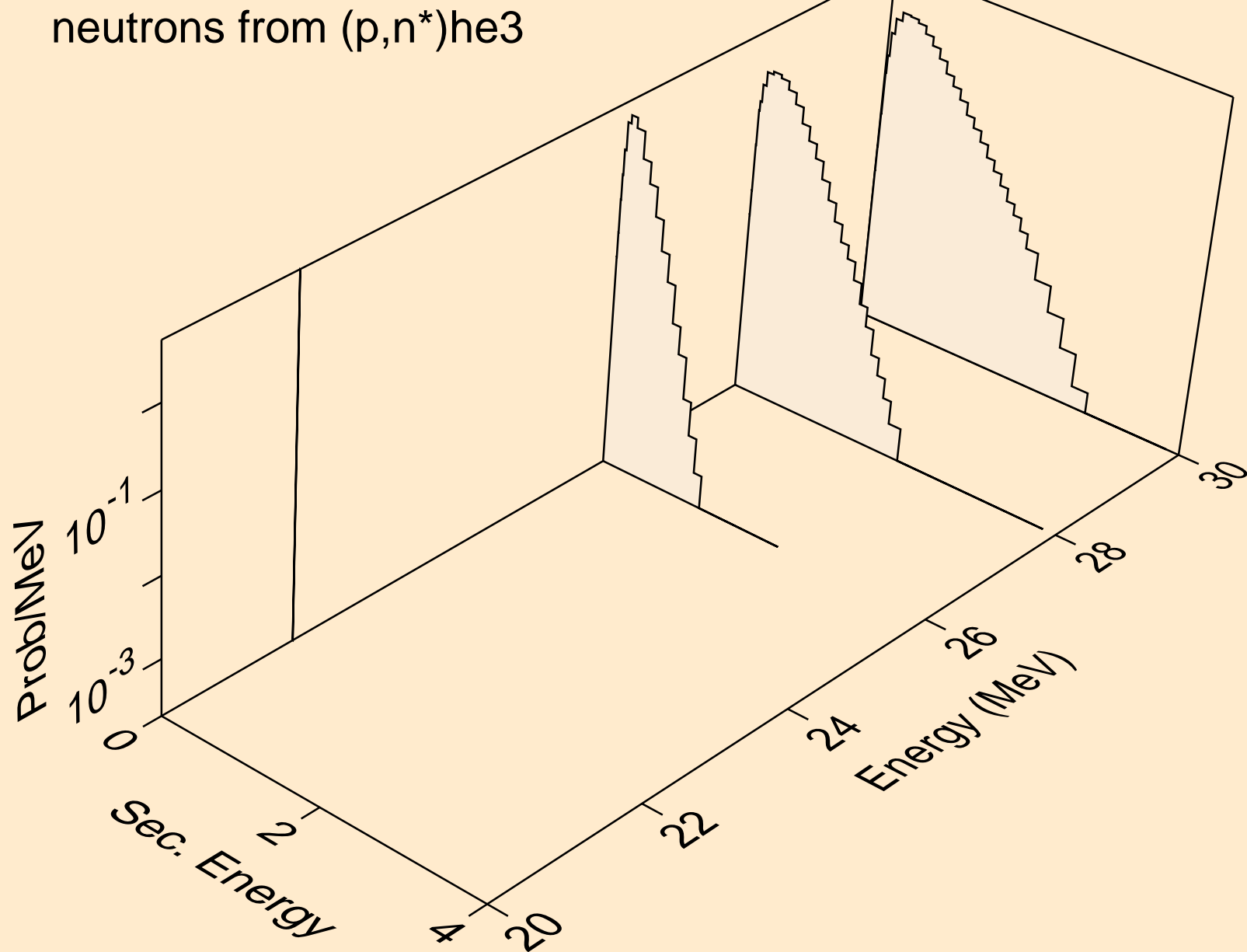
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neutrons from (p,n\*)p



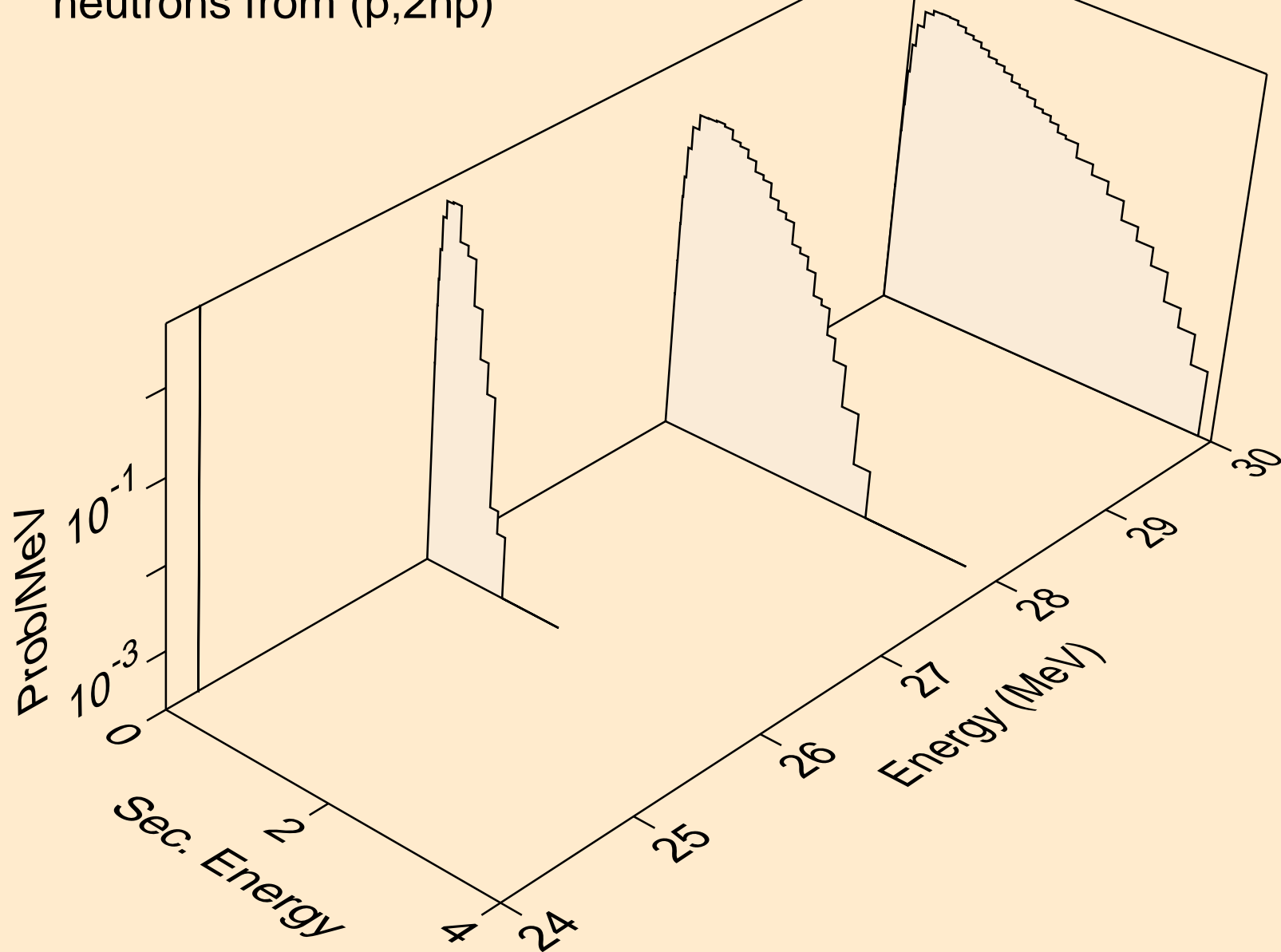
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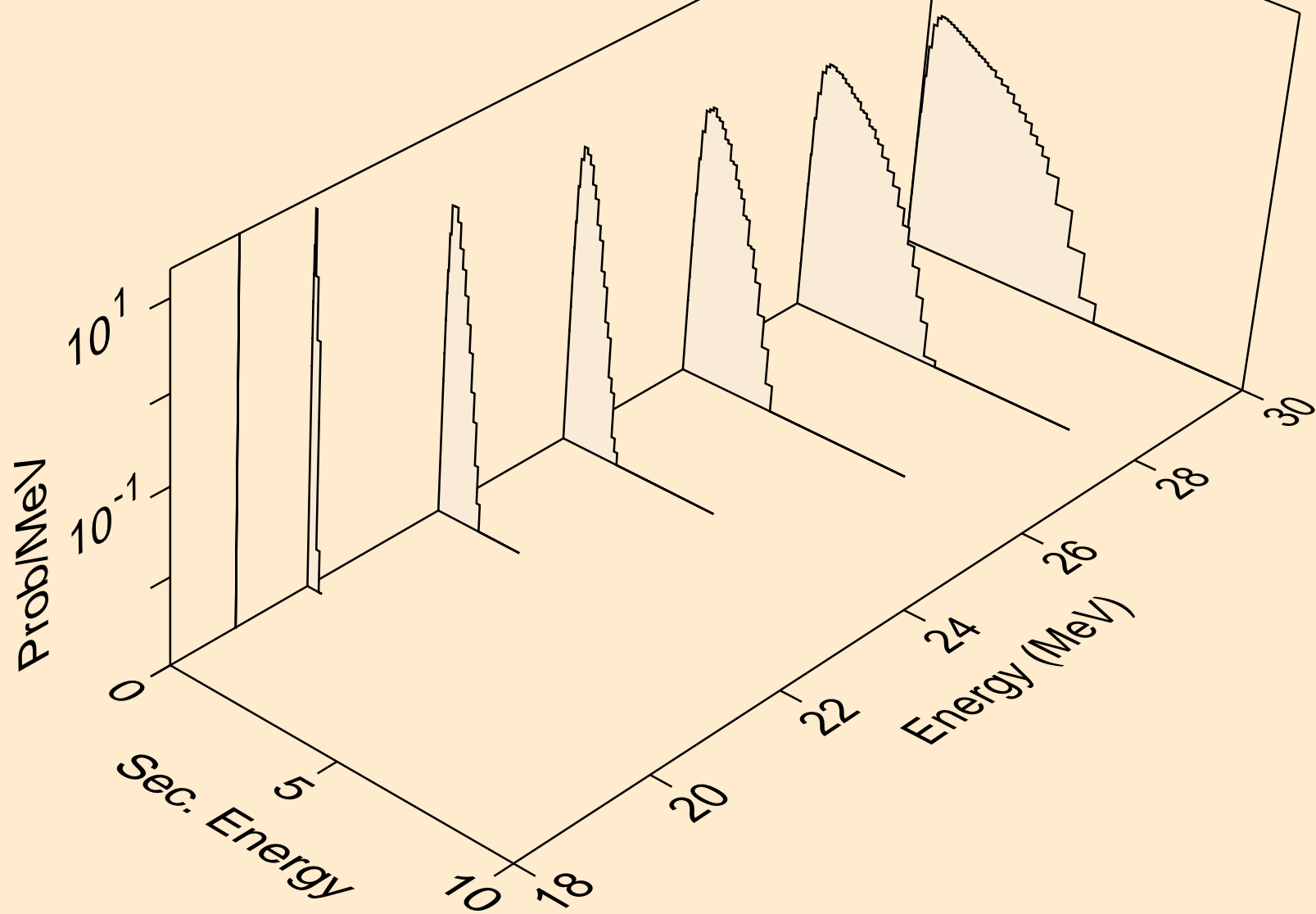
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neutrons from (p,n\*)he3



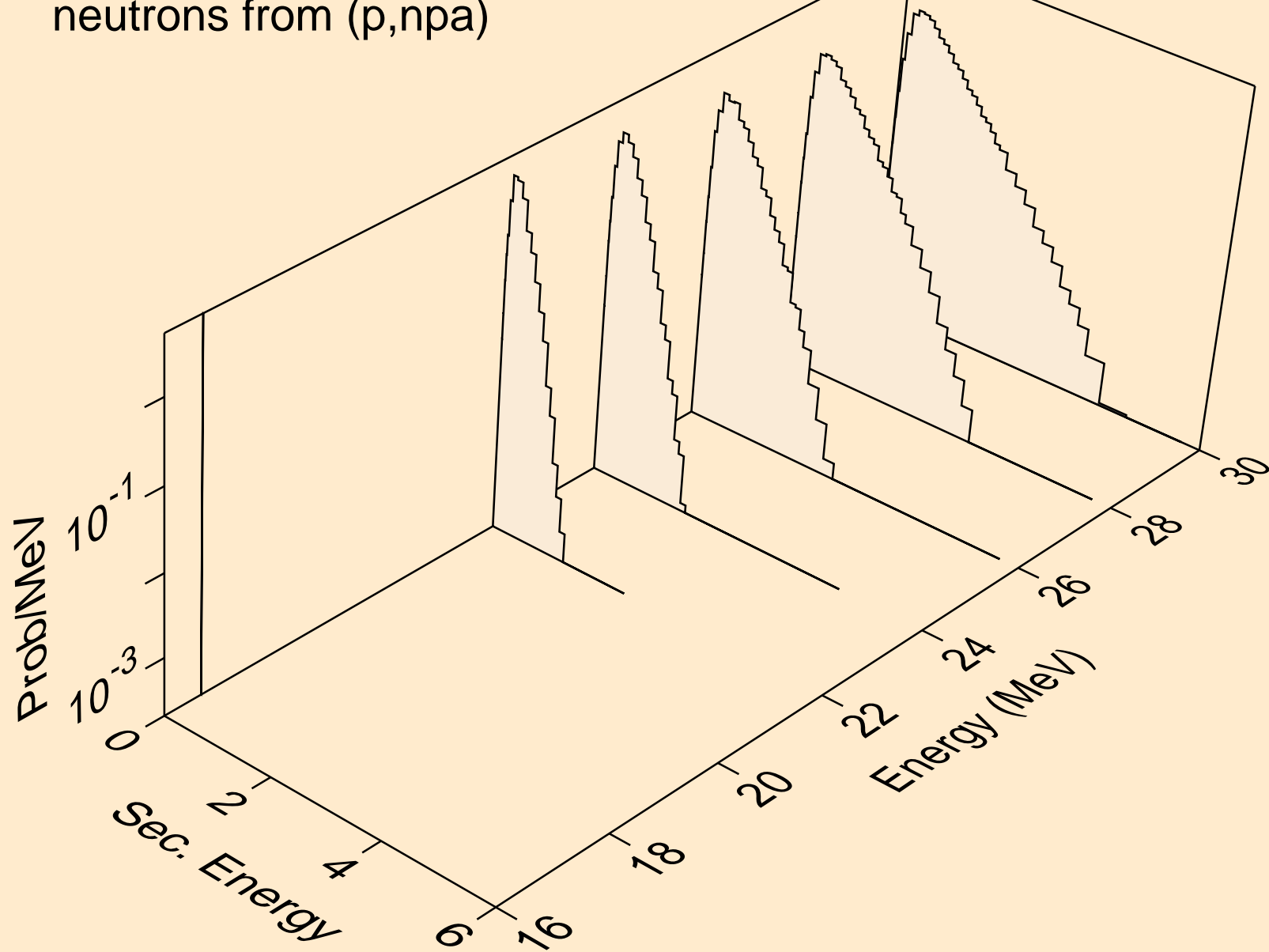
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neutrons from (p,2np)



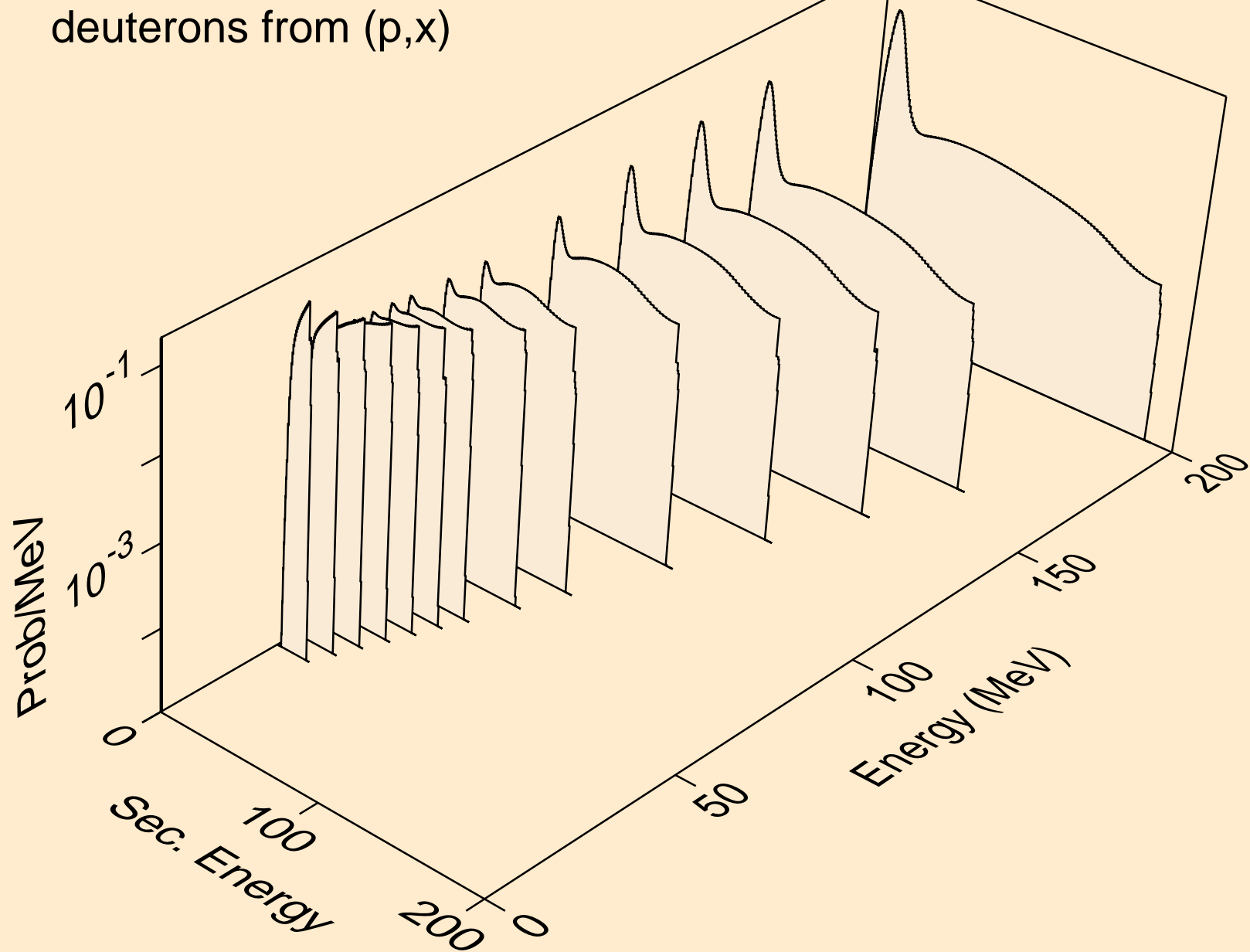
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neutrons from (p,2np)



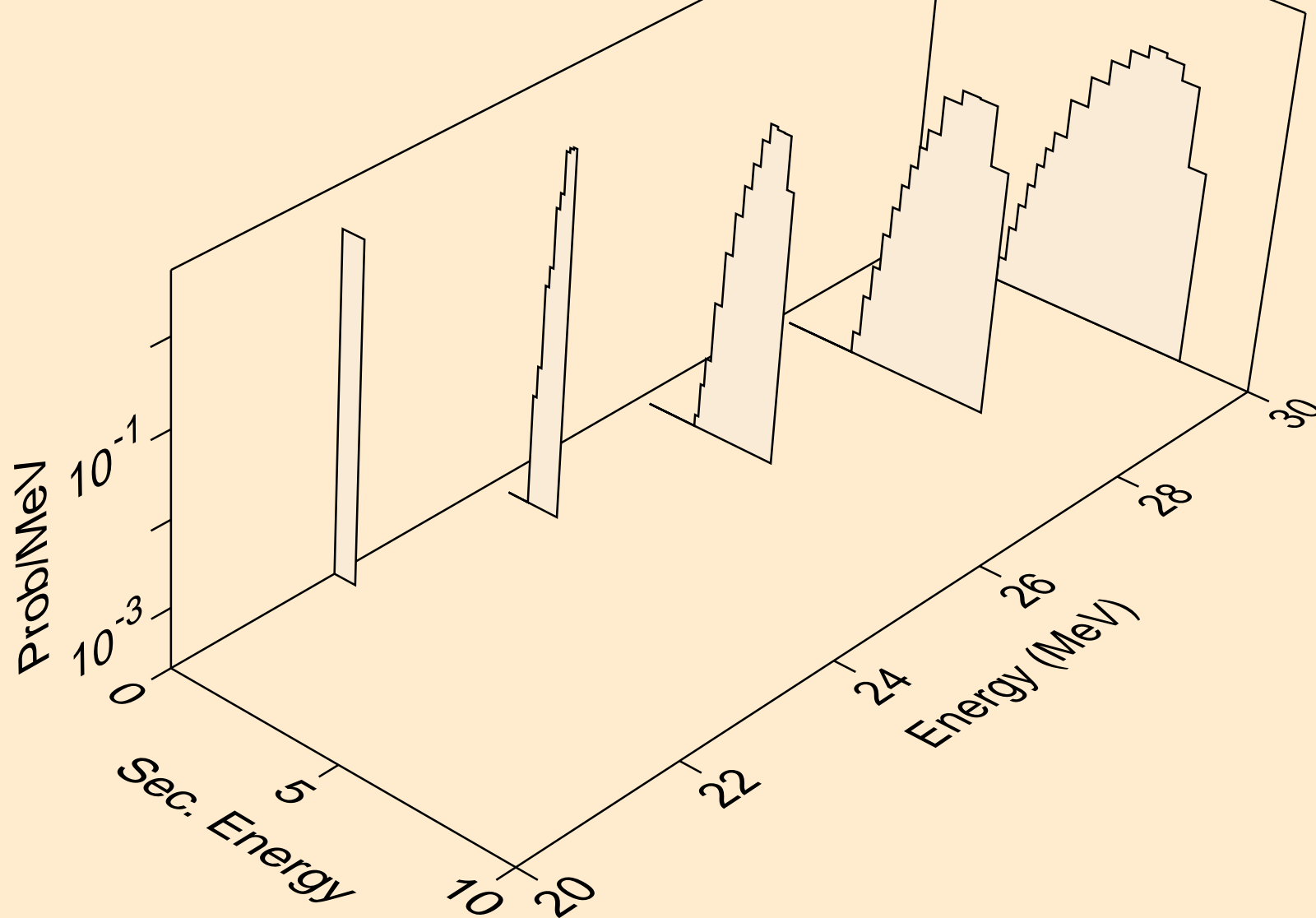
ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,npa)



ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,x)

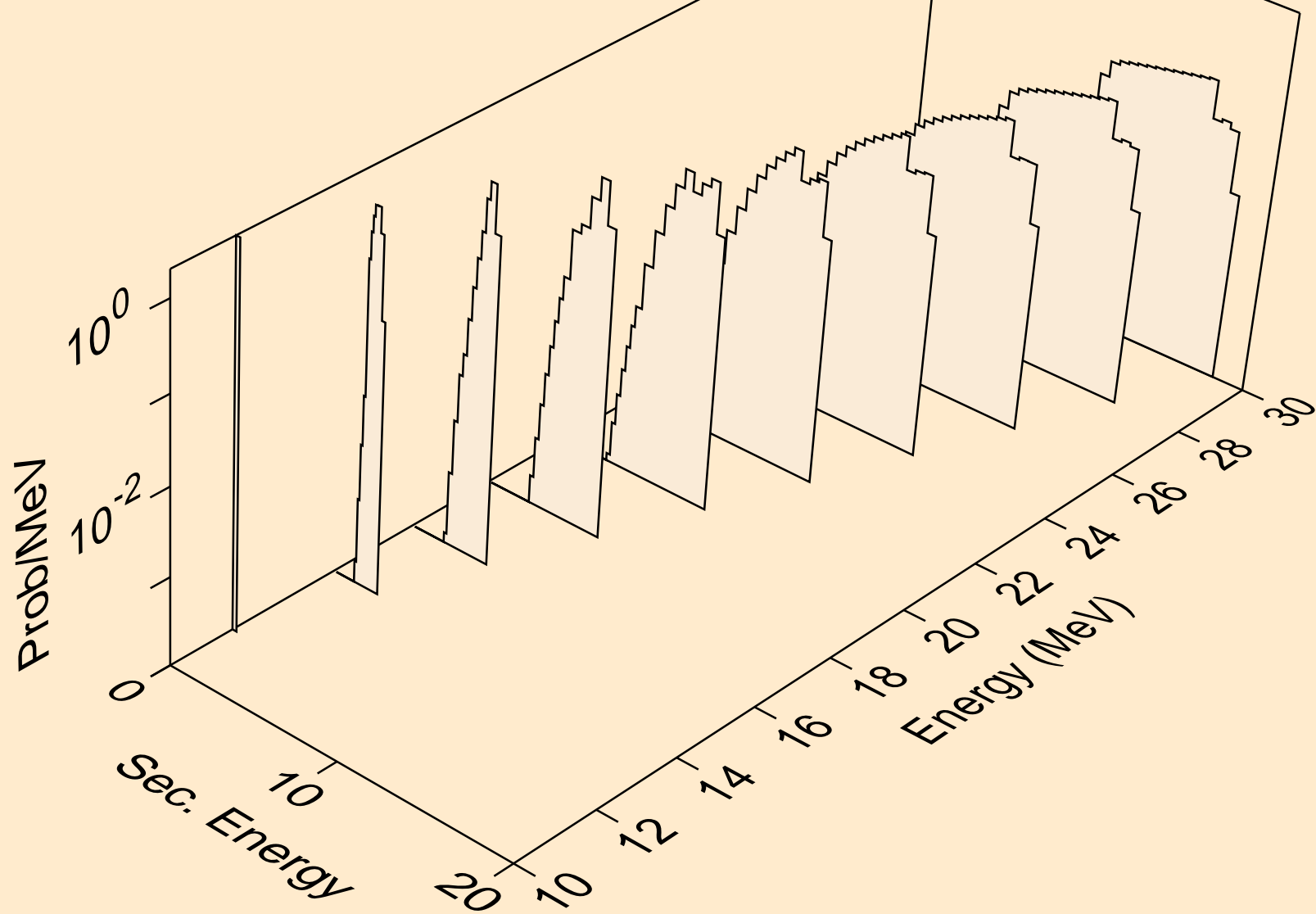


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deuterons from (p,n\*)d

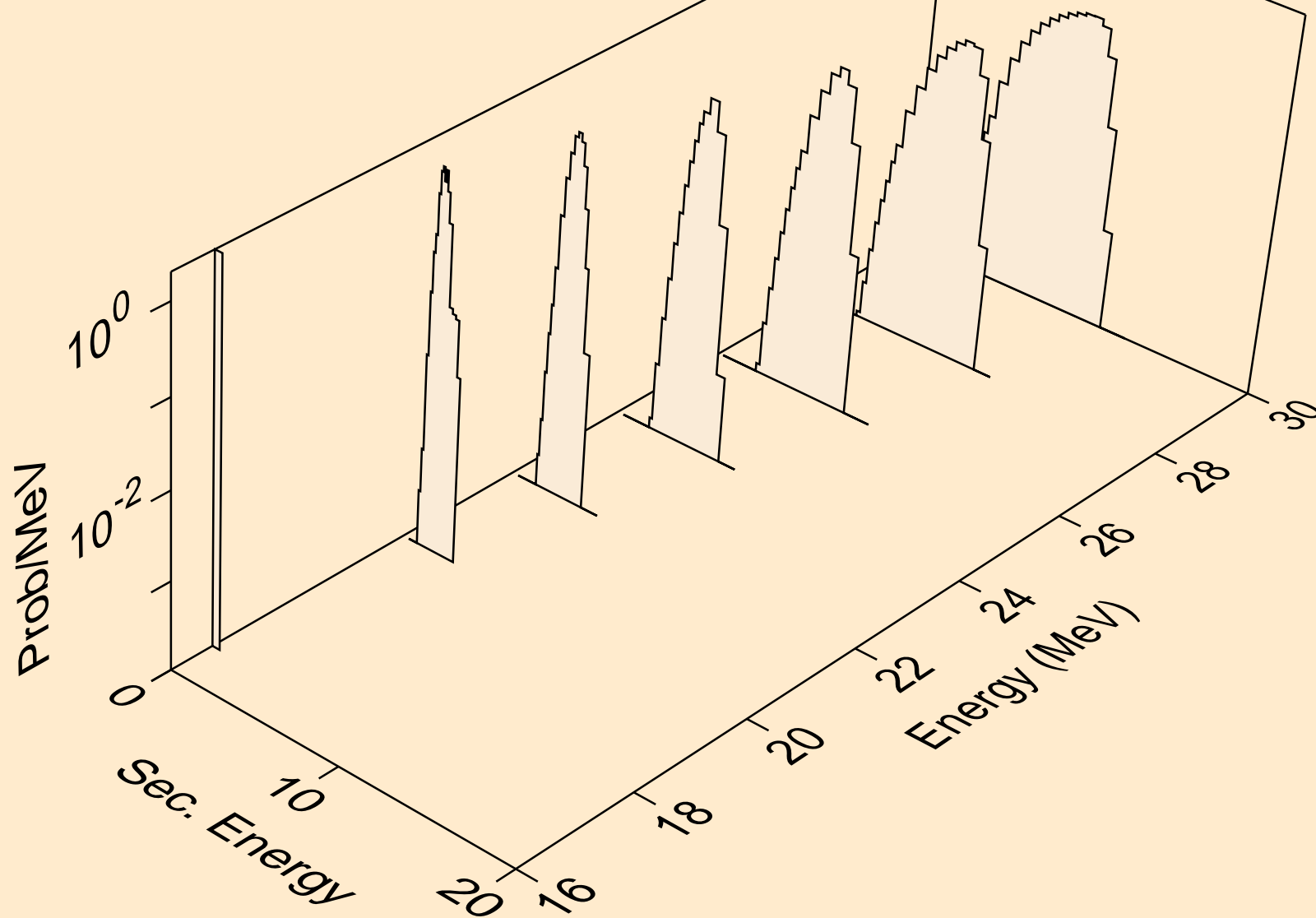




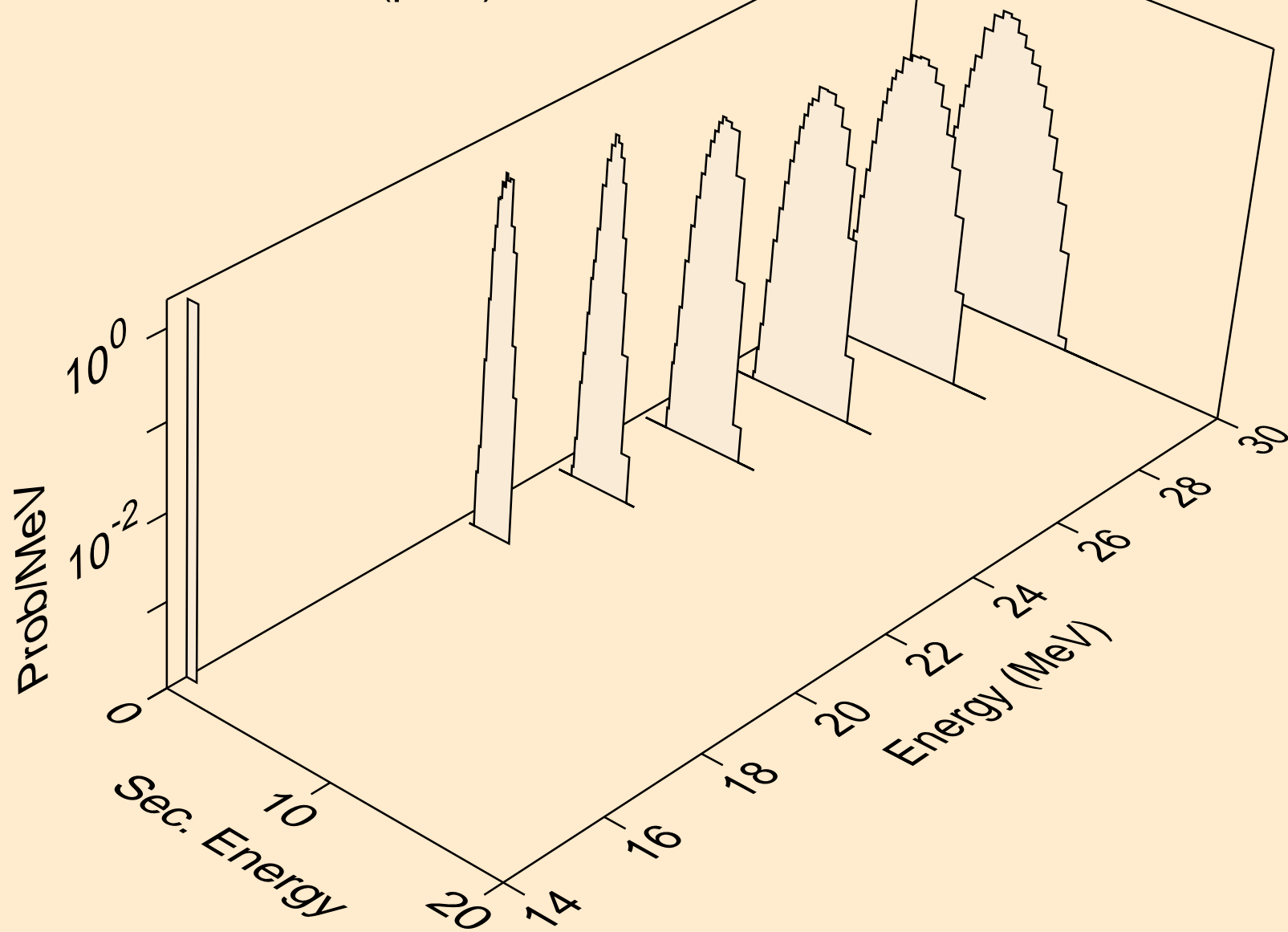
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deuterons from (p,d)



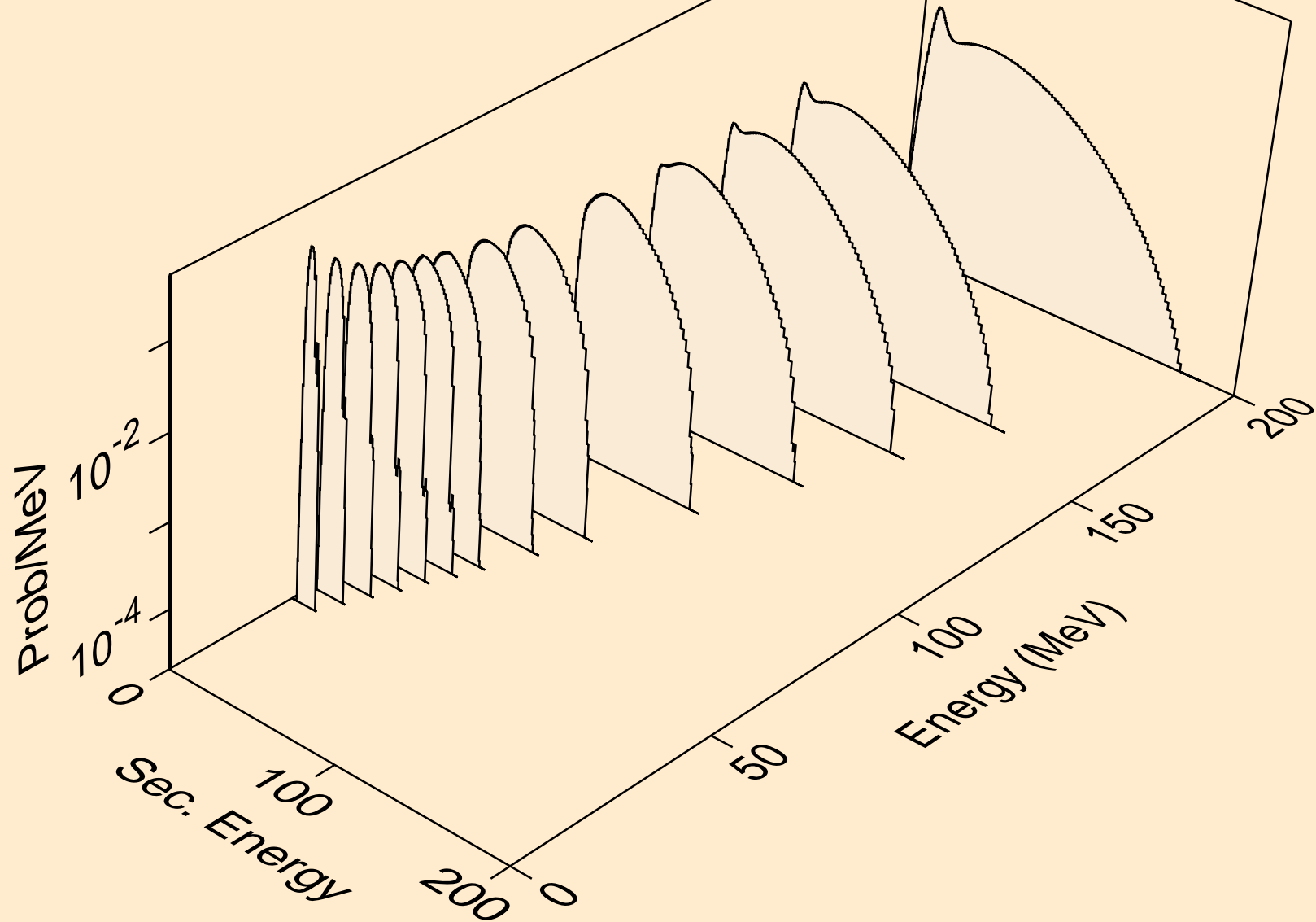
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deuterons from (p,pd)



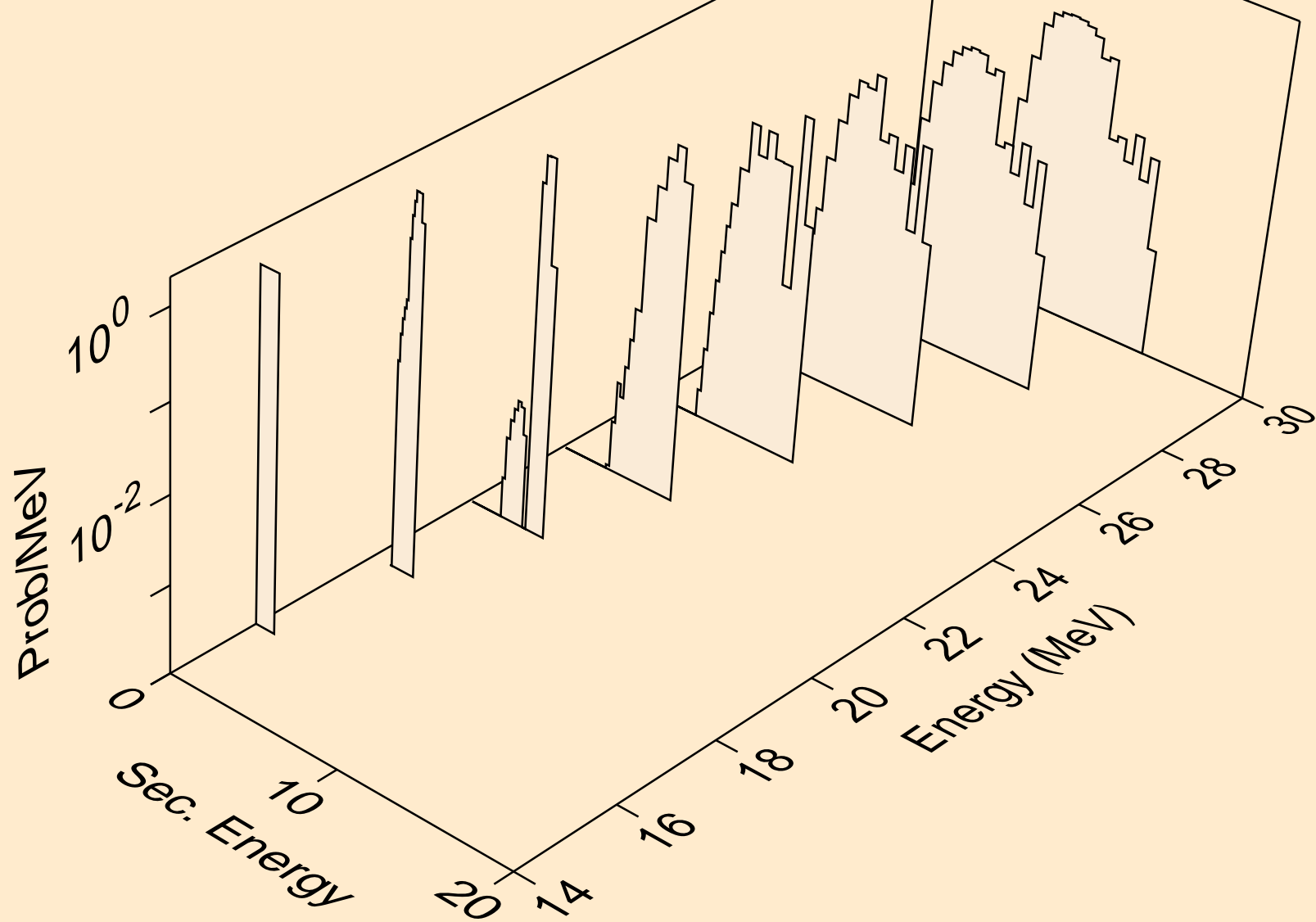
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deuterons from (p,da)



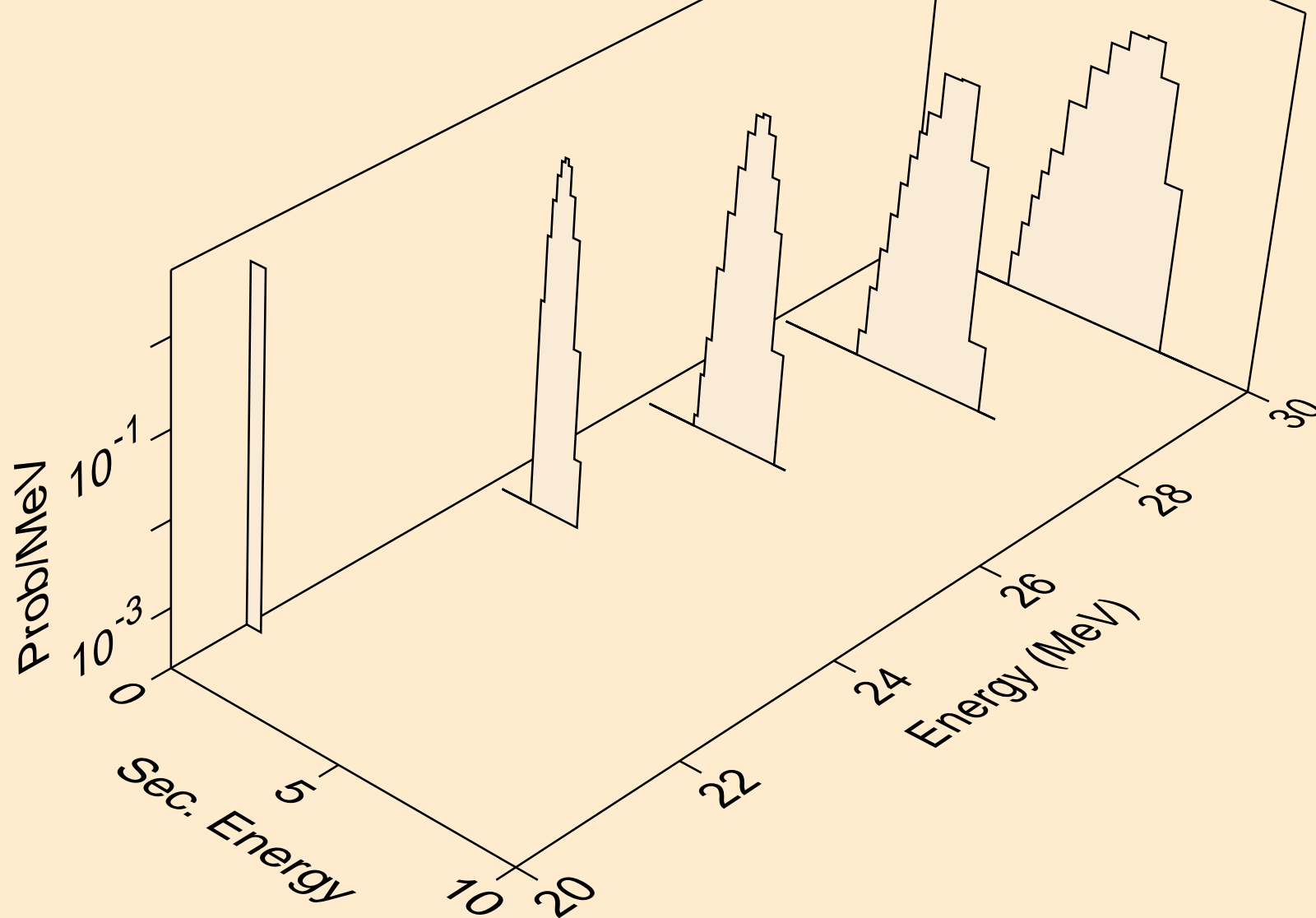
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tritons from (p,x)



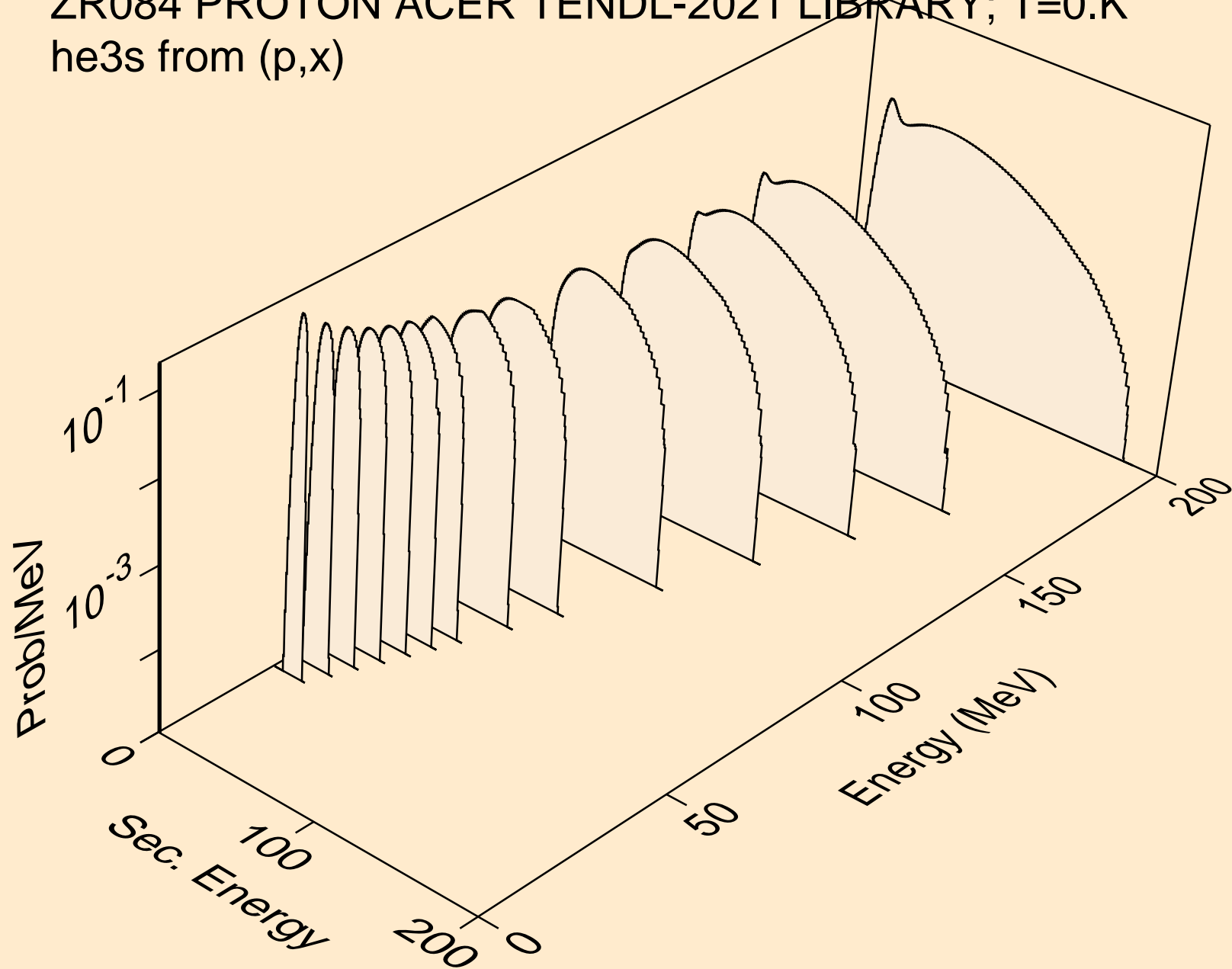
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tritons from (p,t)



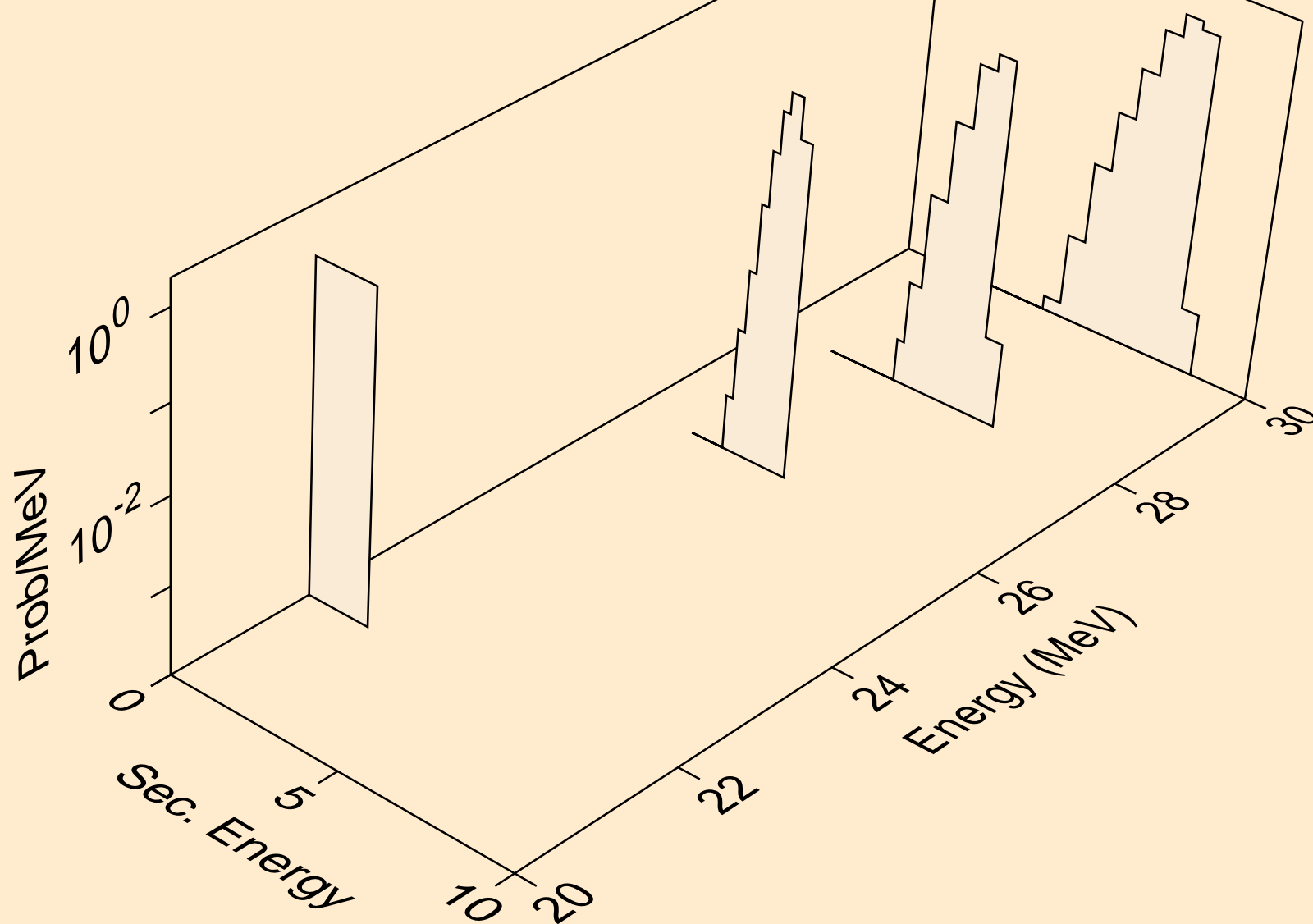
ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,pt)



ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,x)

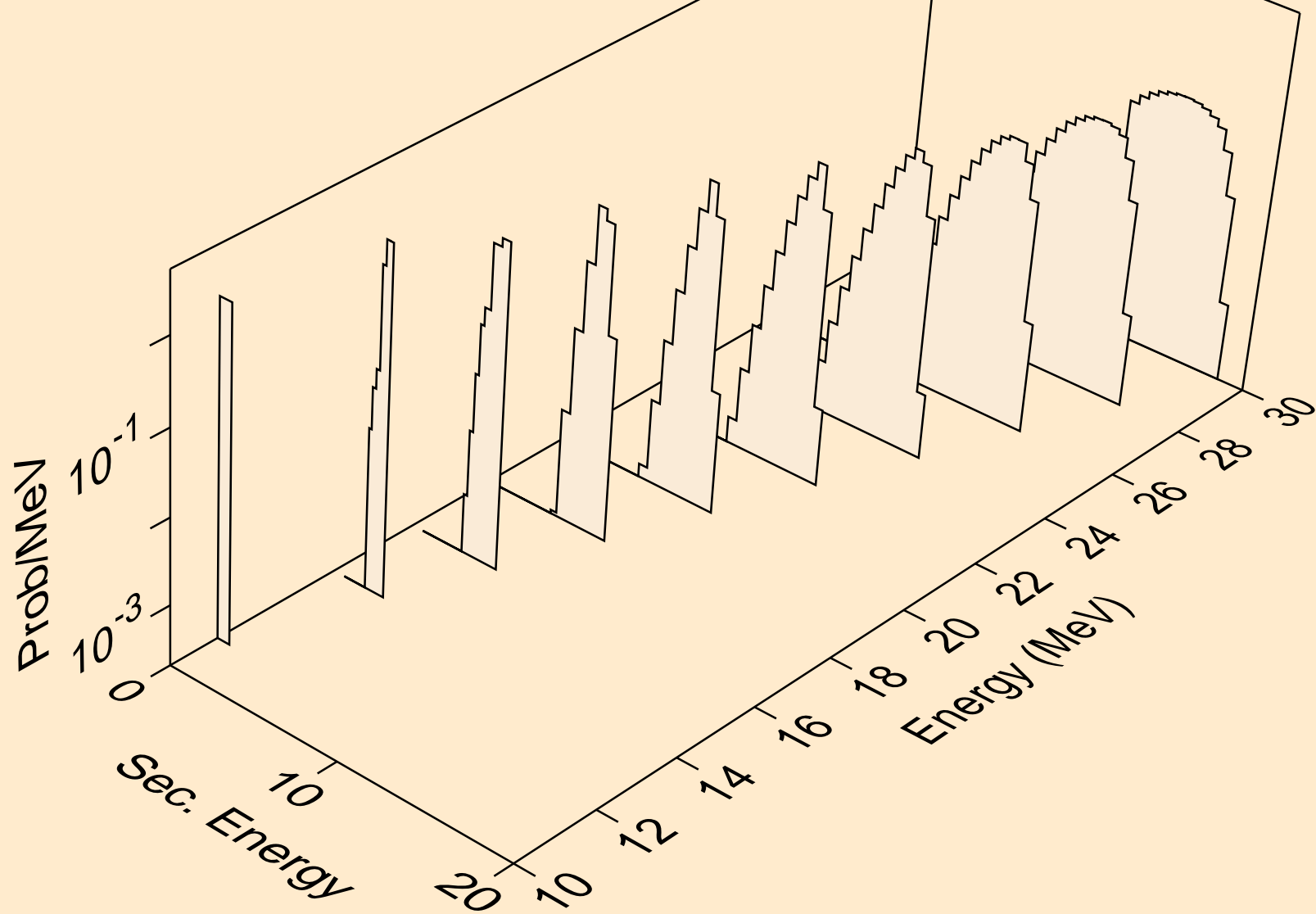


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he3s from (p,n\*)he3

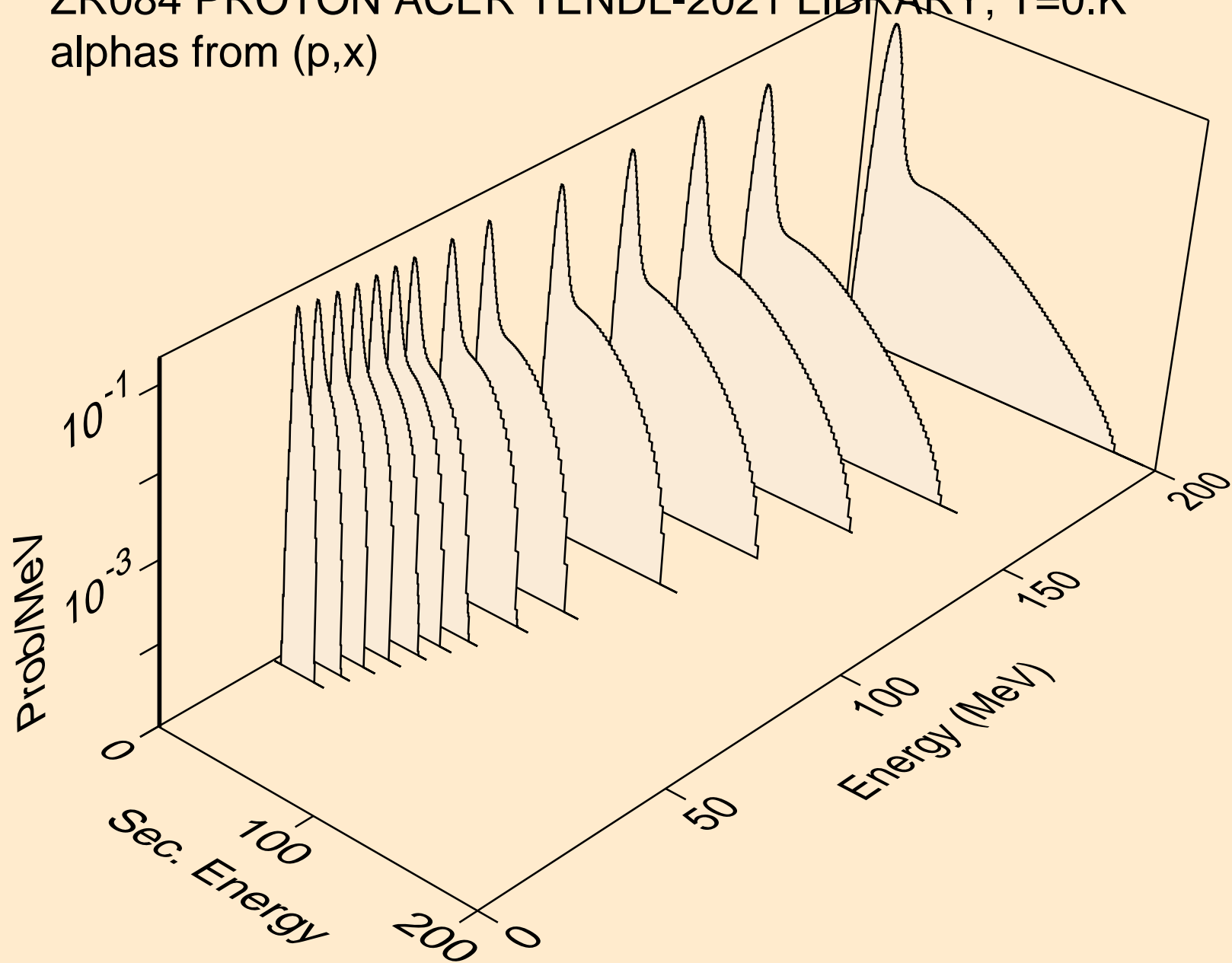




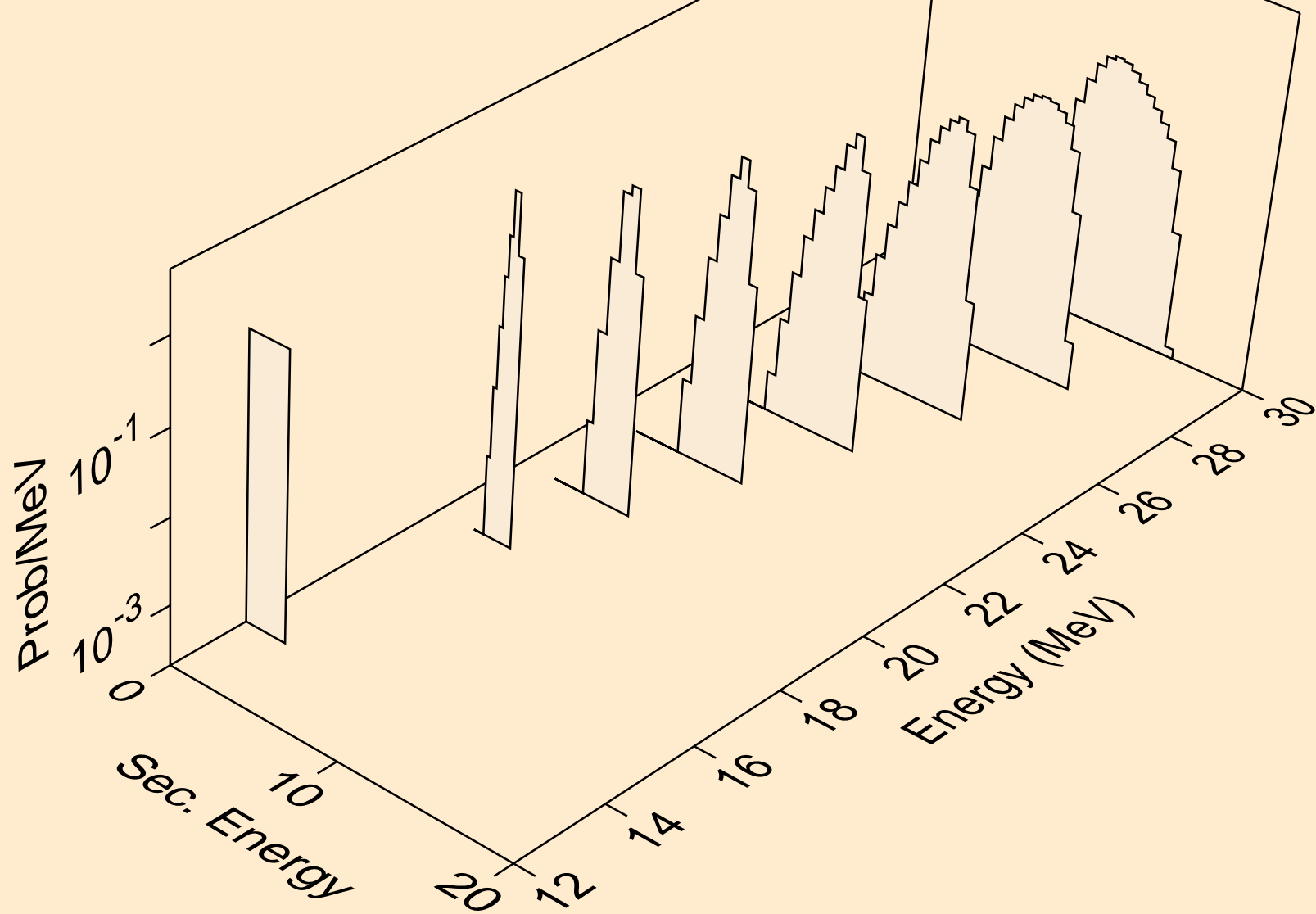
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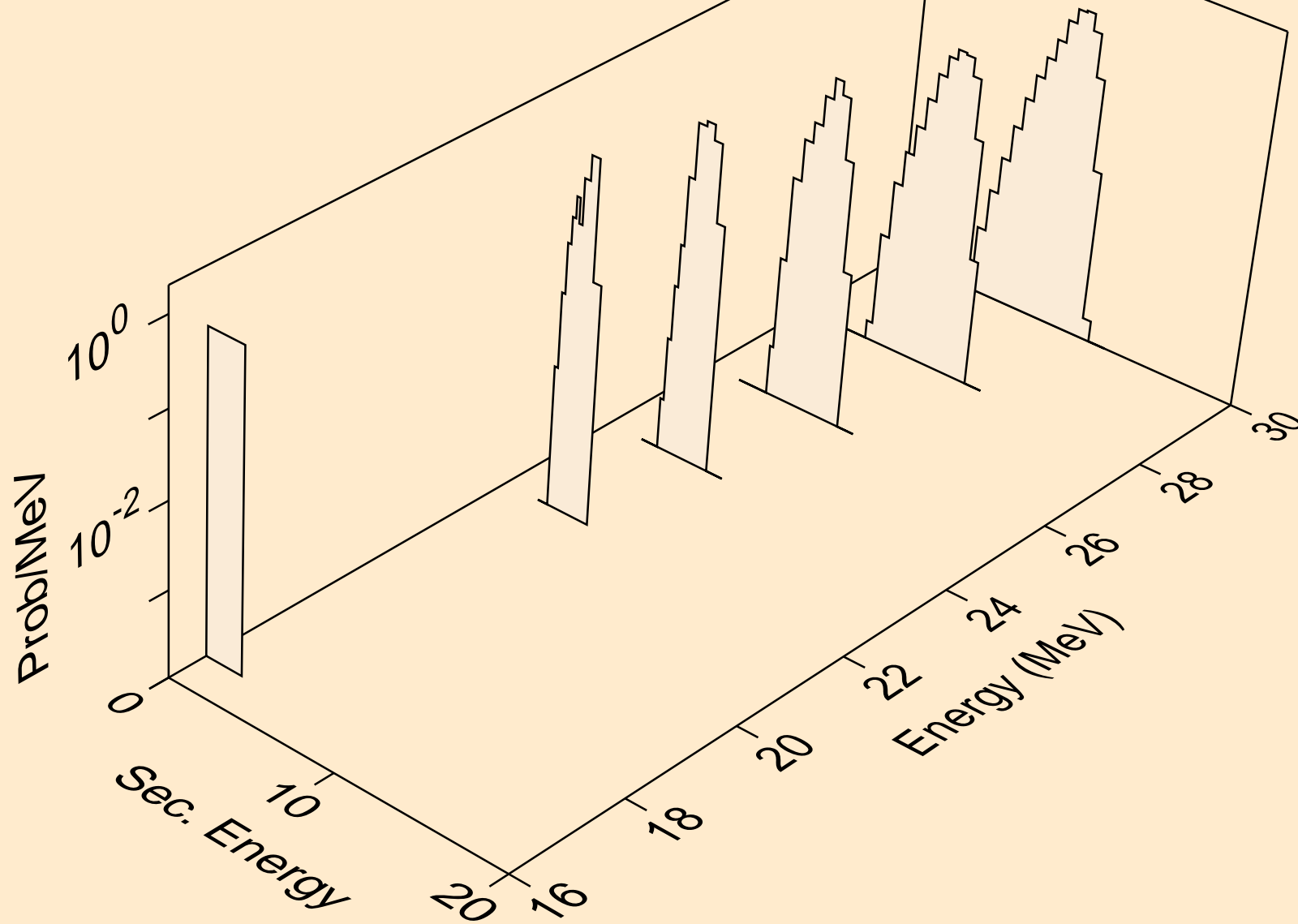
ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,x)



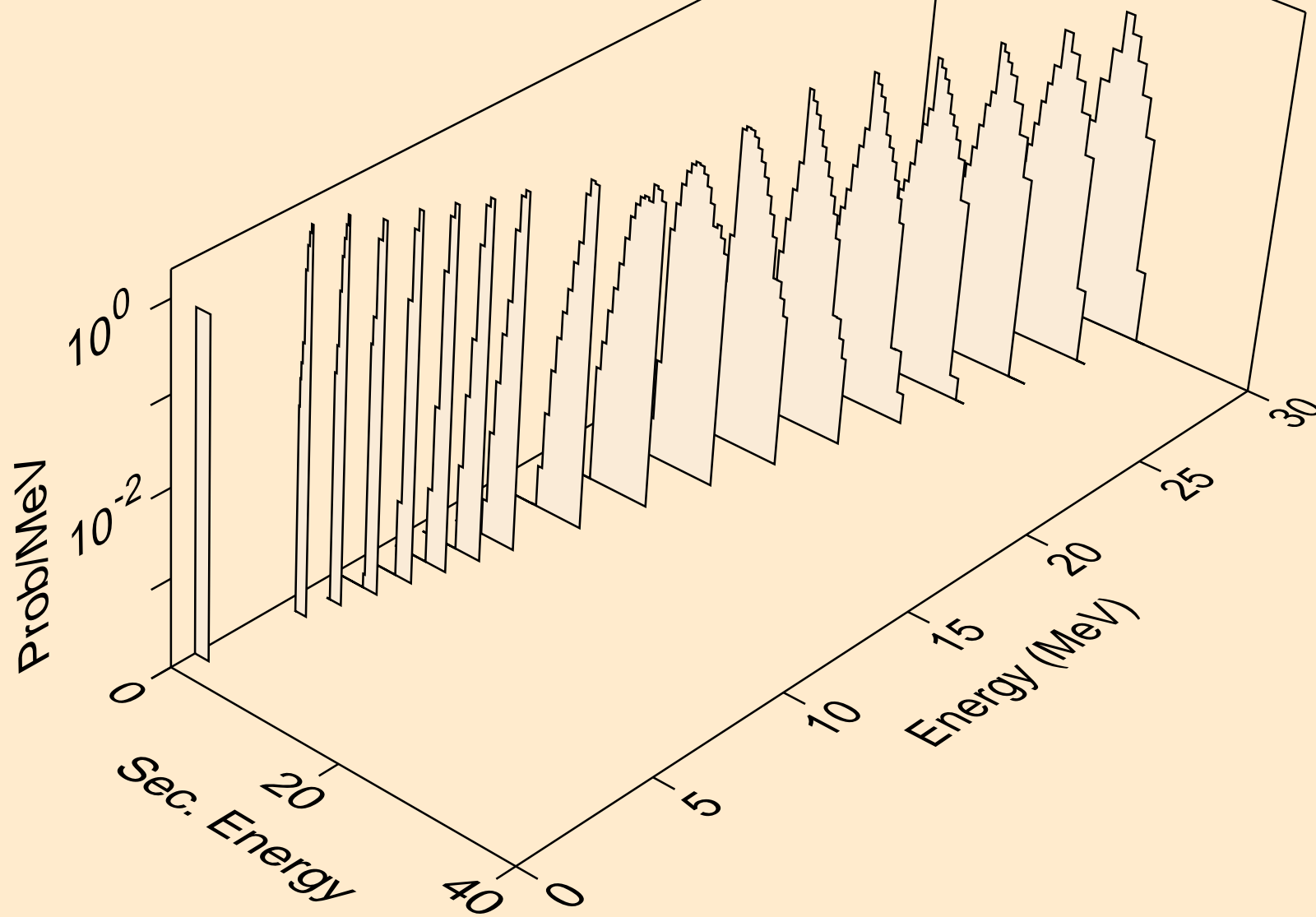
ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)a



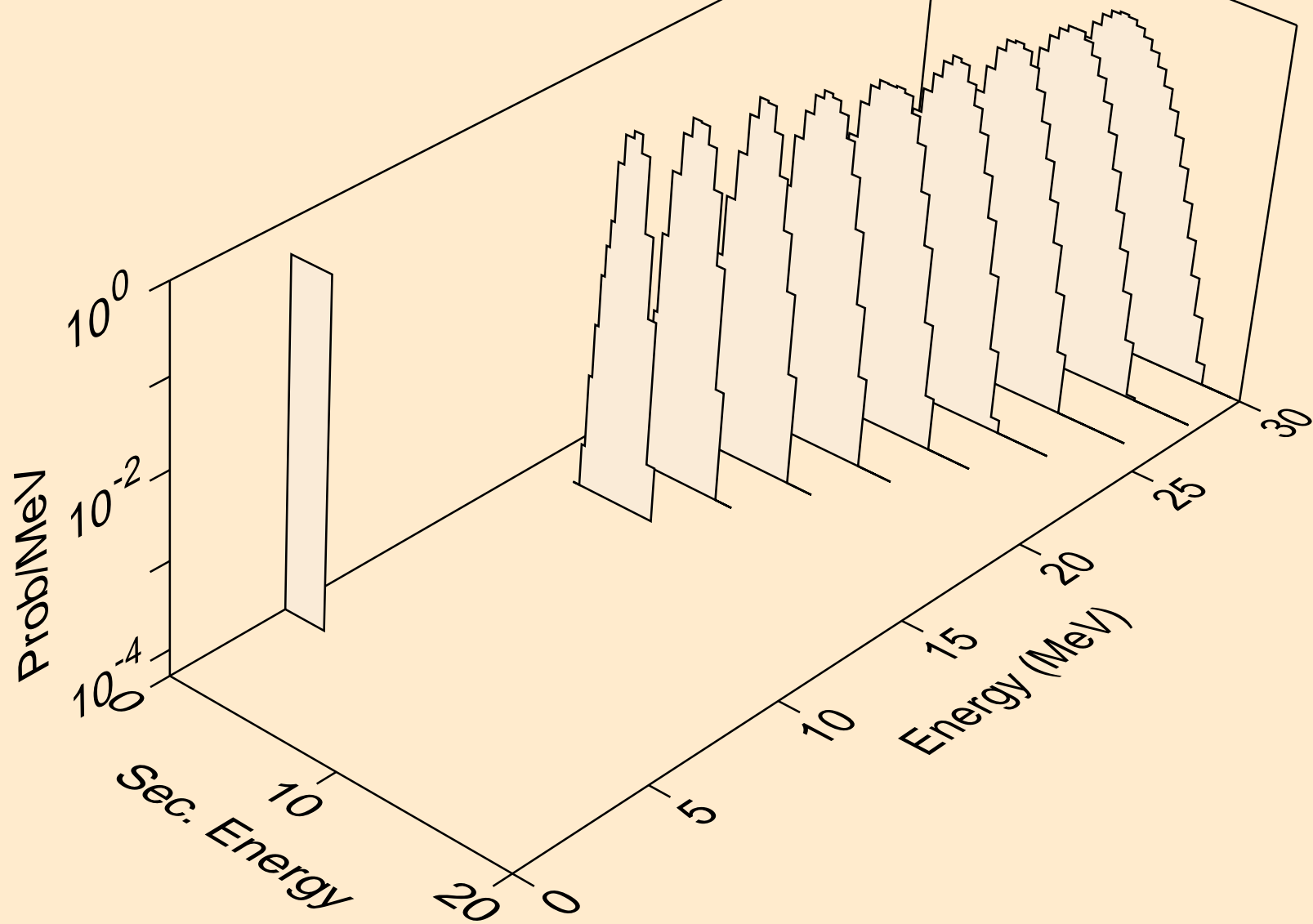
ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,npa)



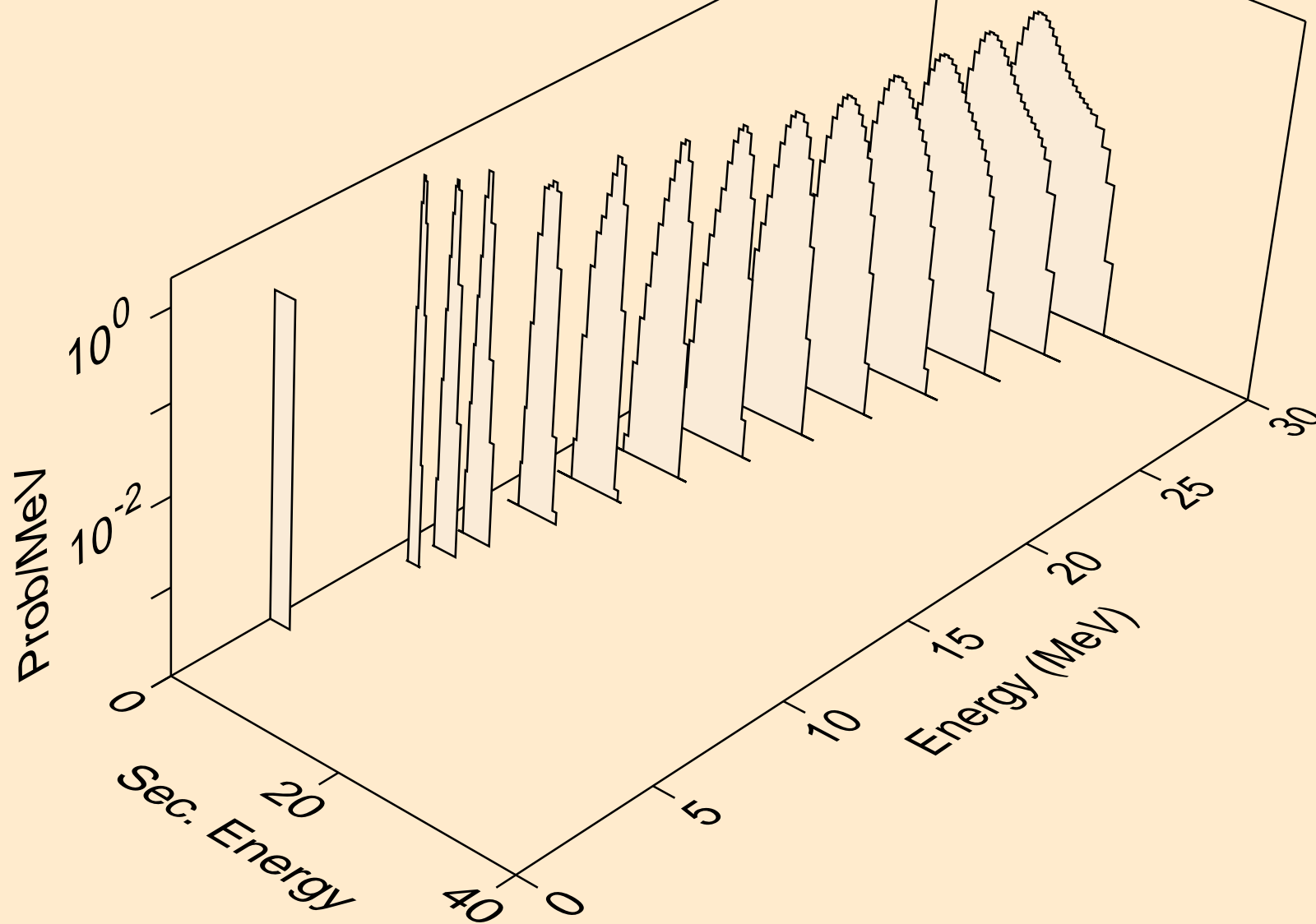
ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,a)



ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2a)



ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,pa)



ZR084 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,da)

