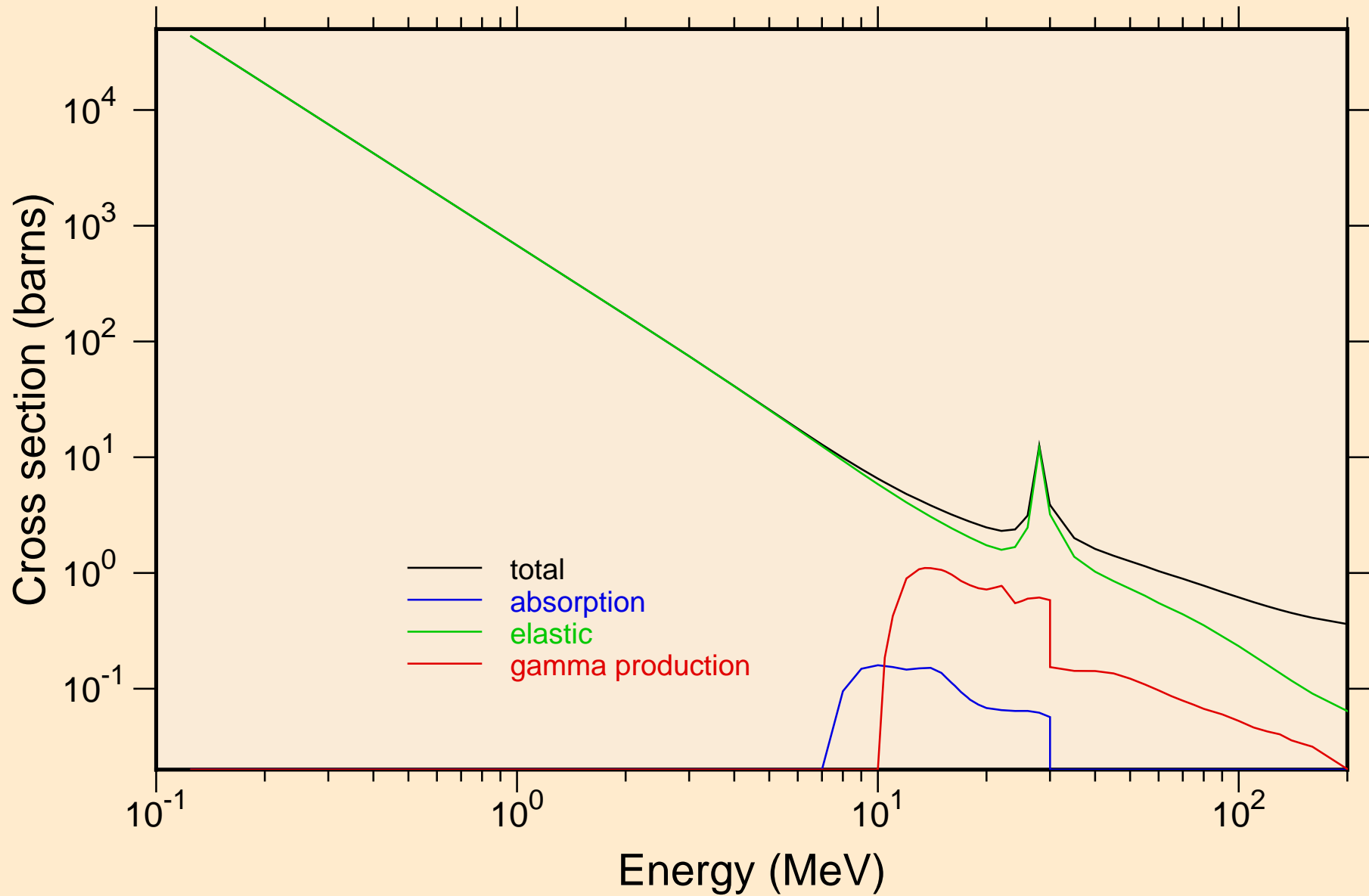


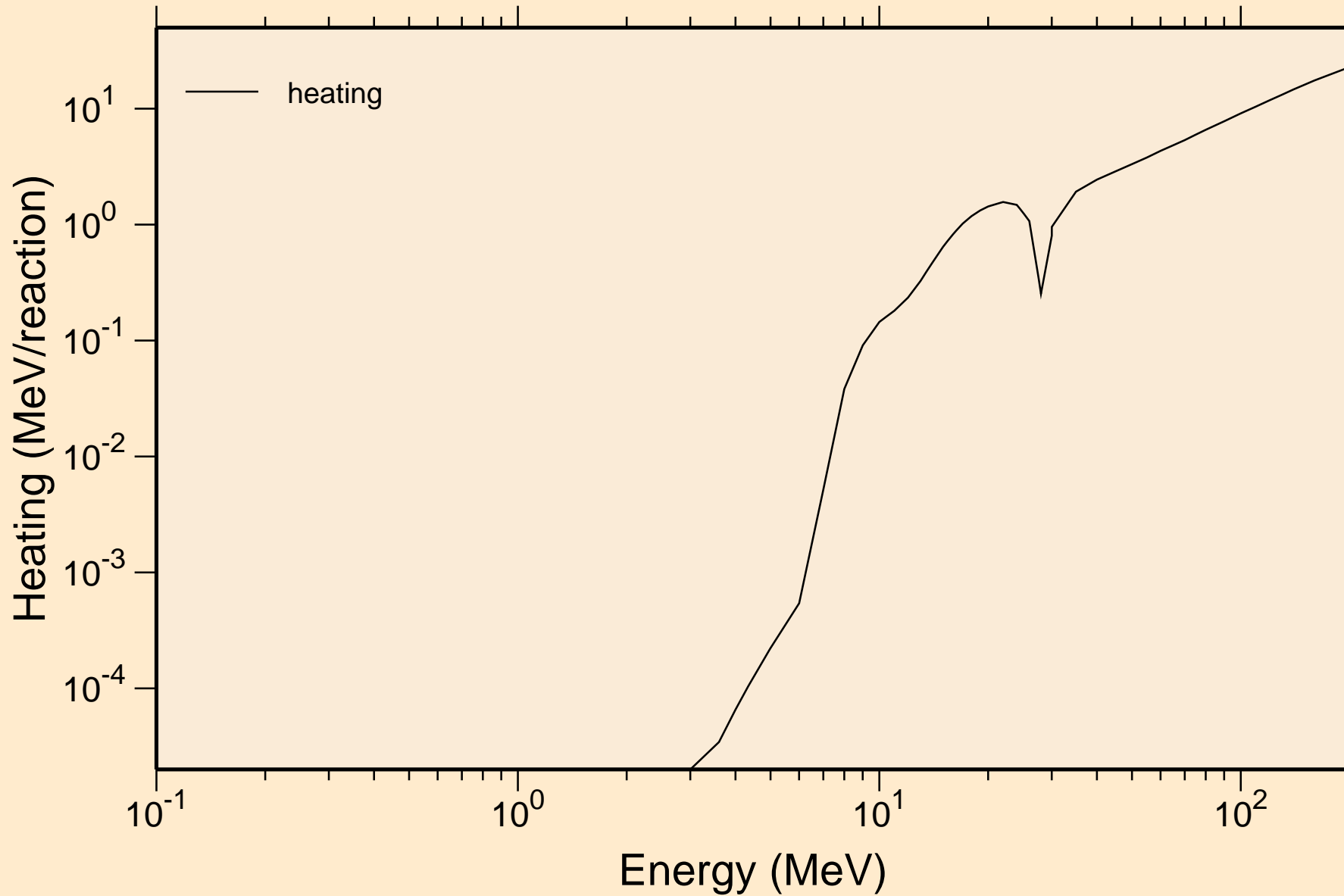
# NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



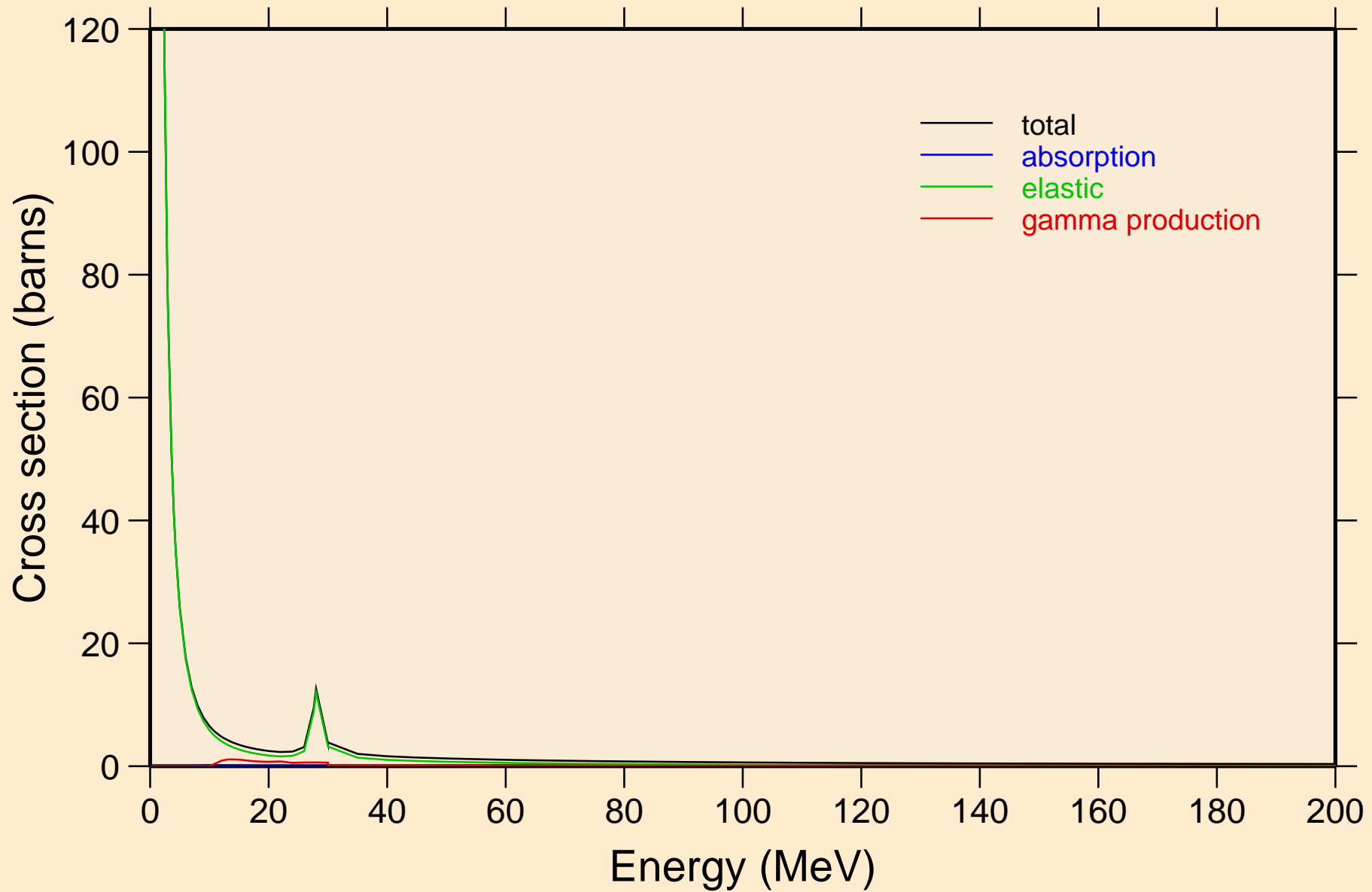
# NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



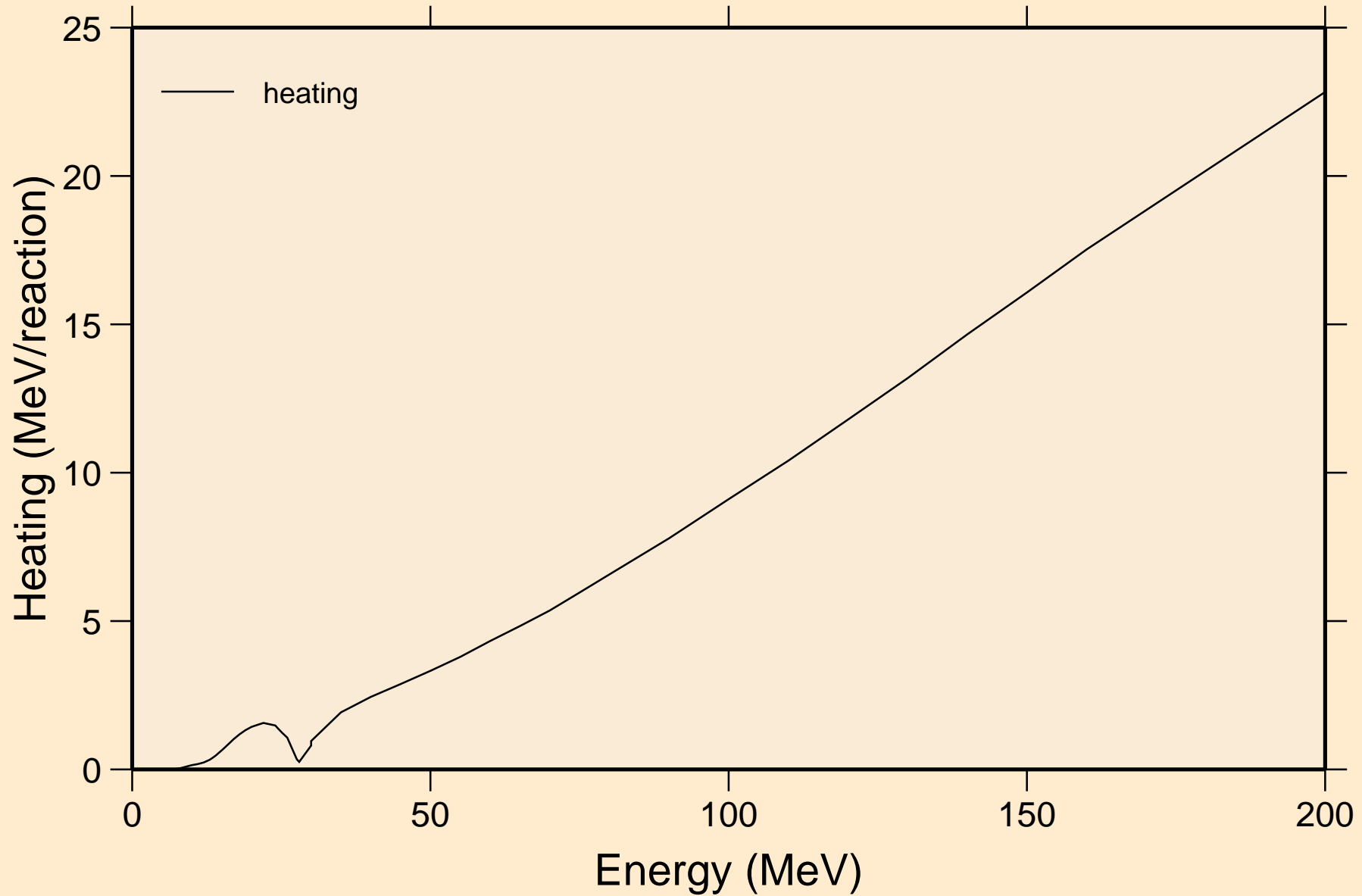
# NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

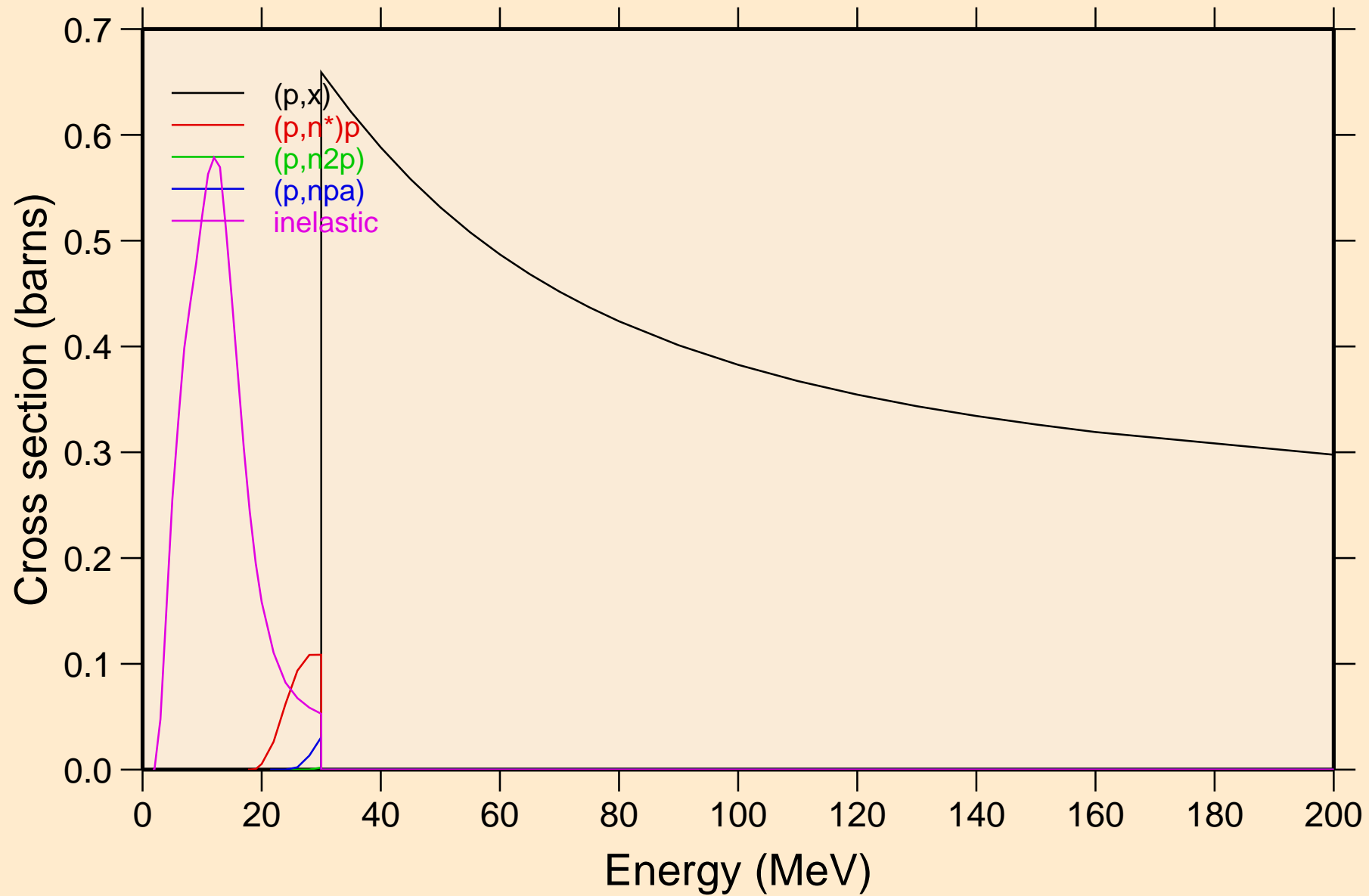


# NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K

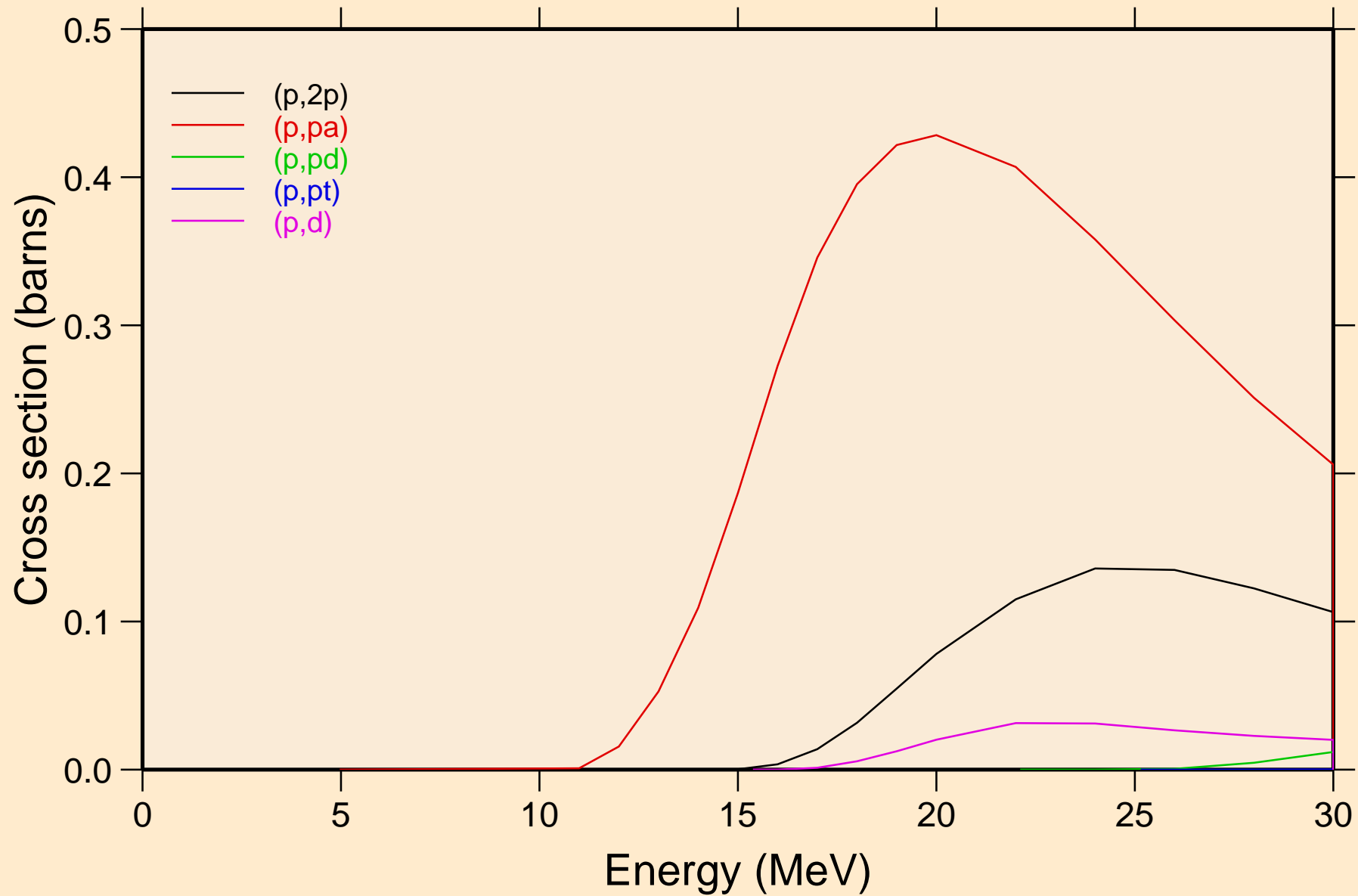
## Heating



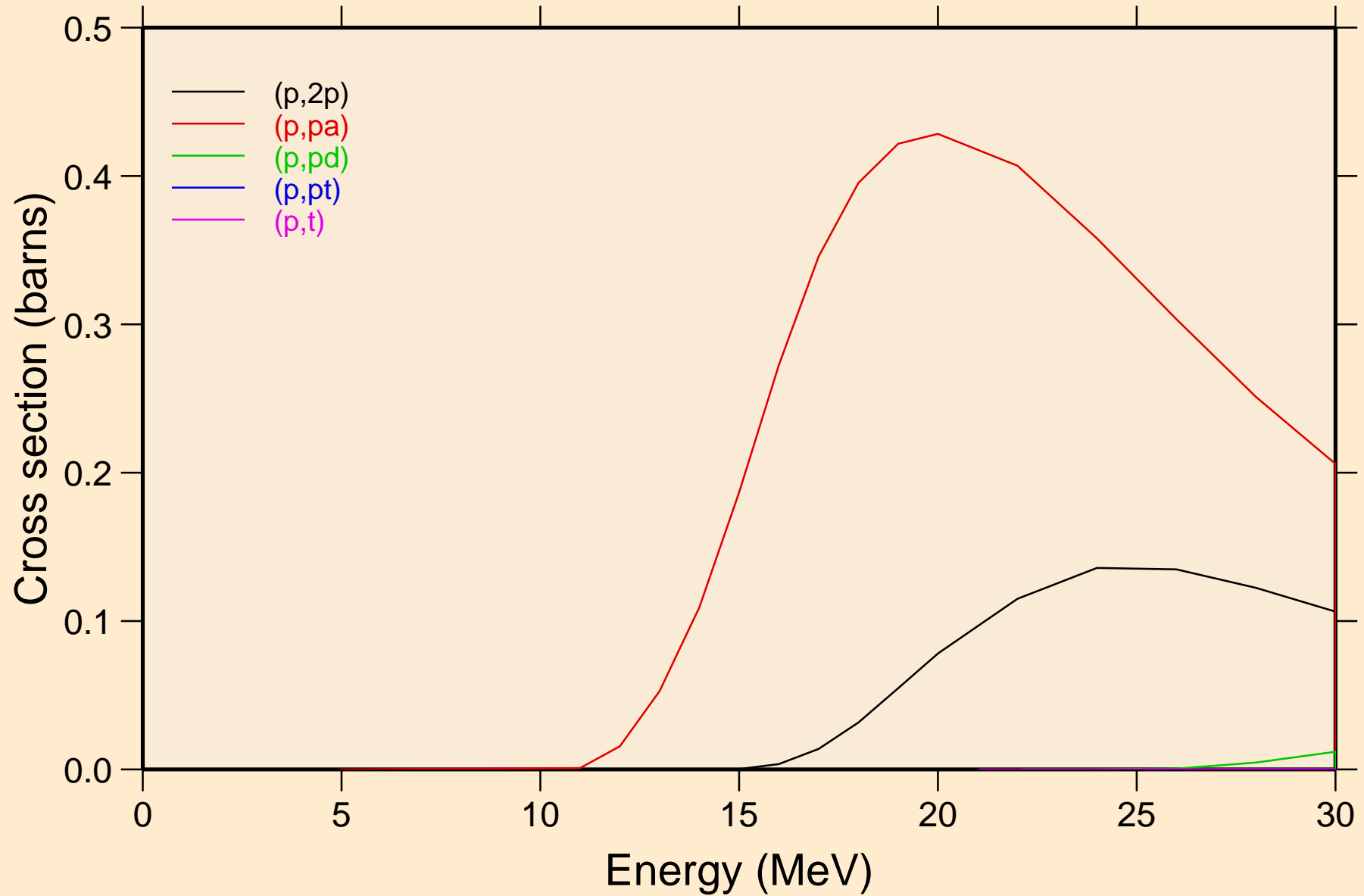
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



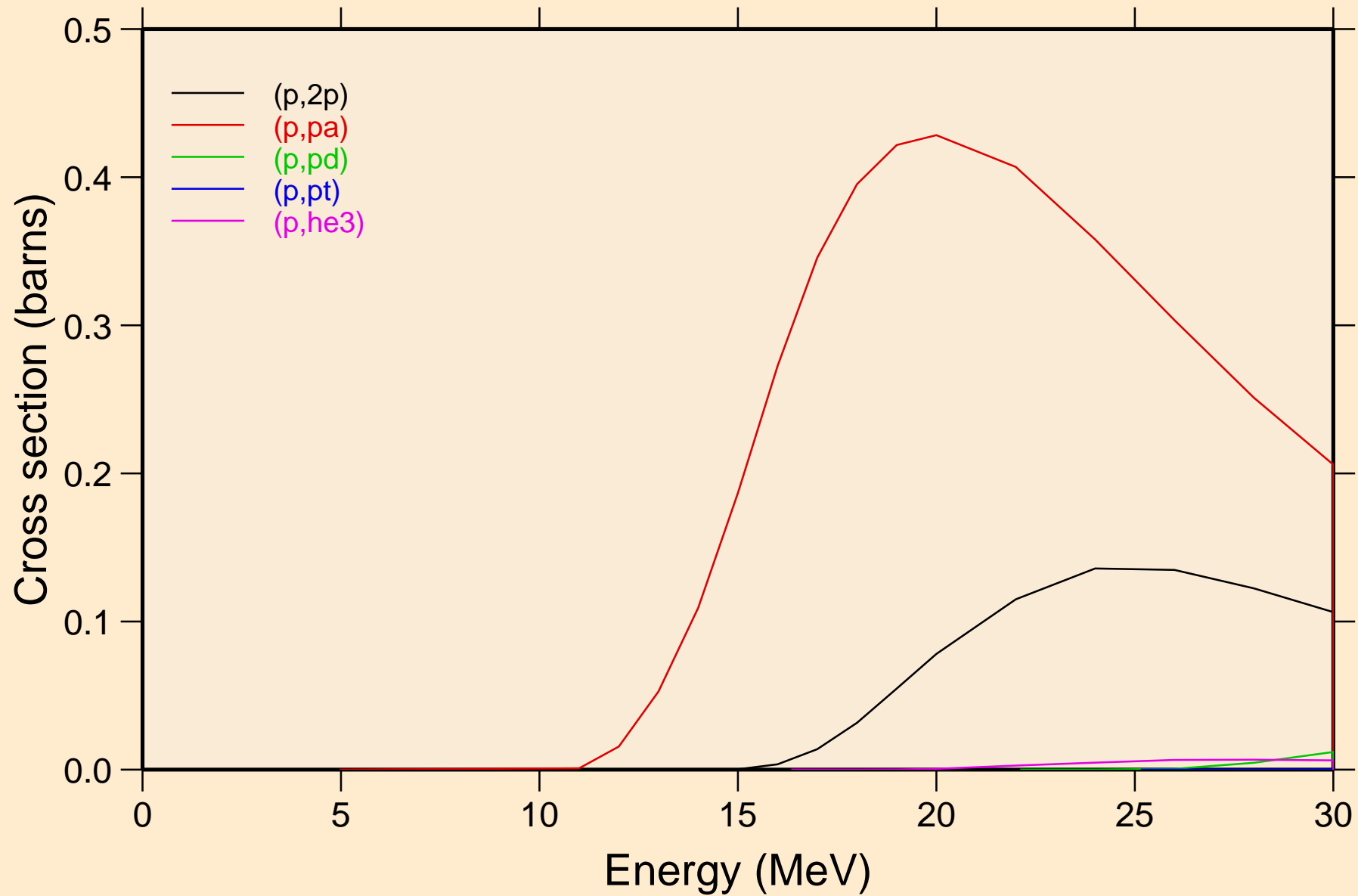
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

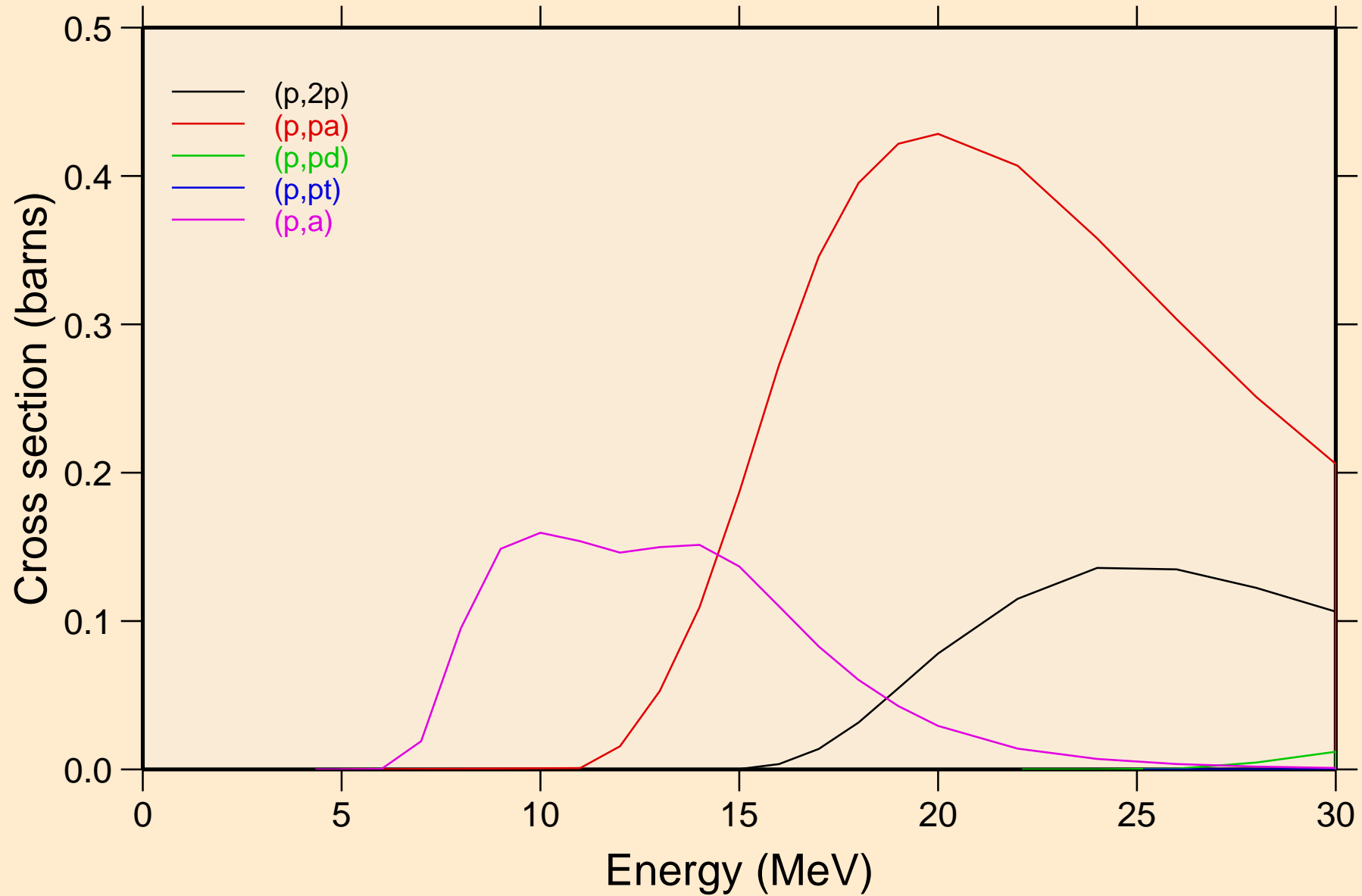


NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

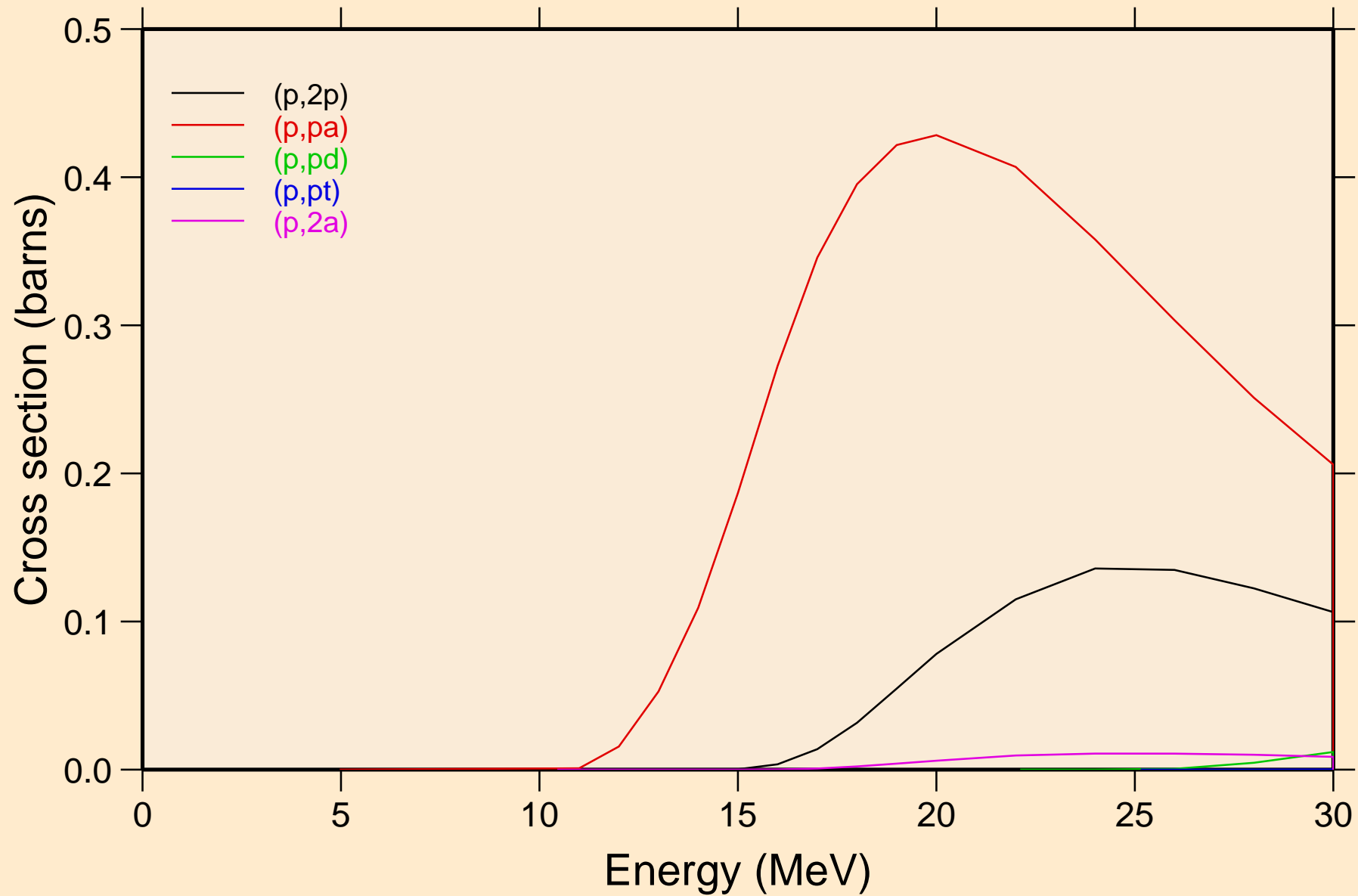




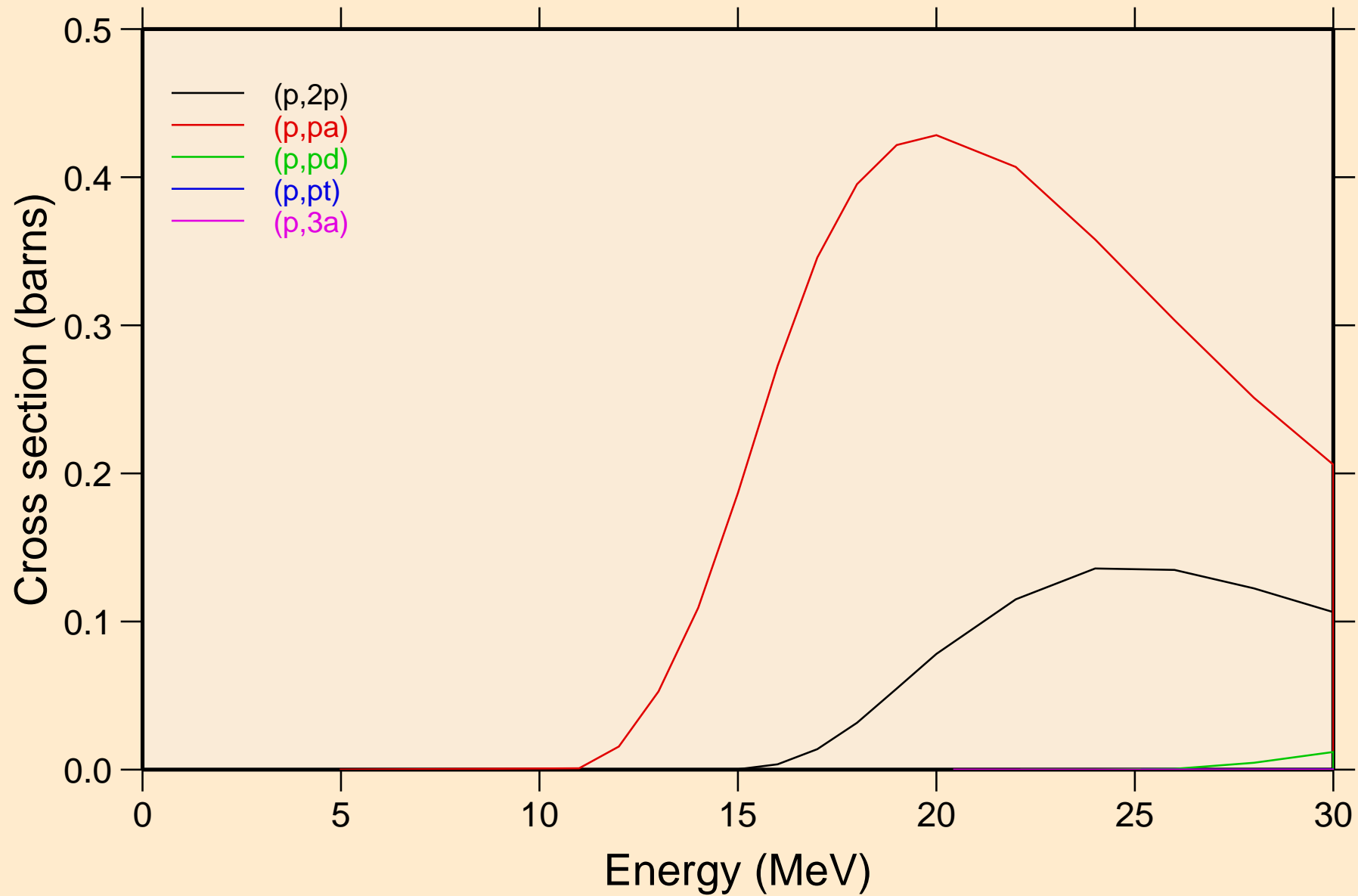
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



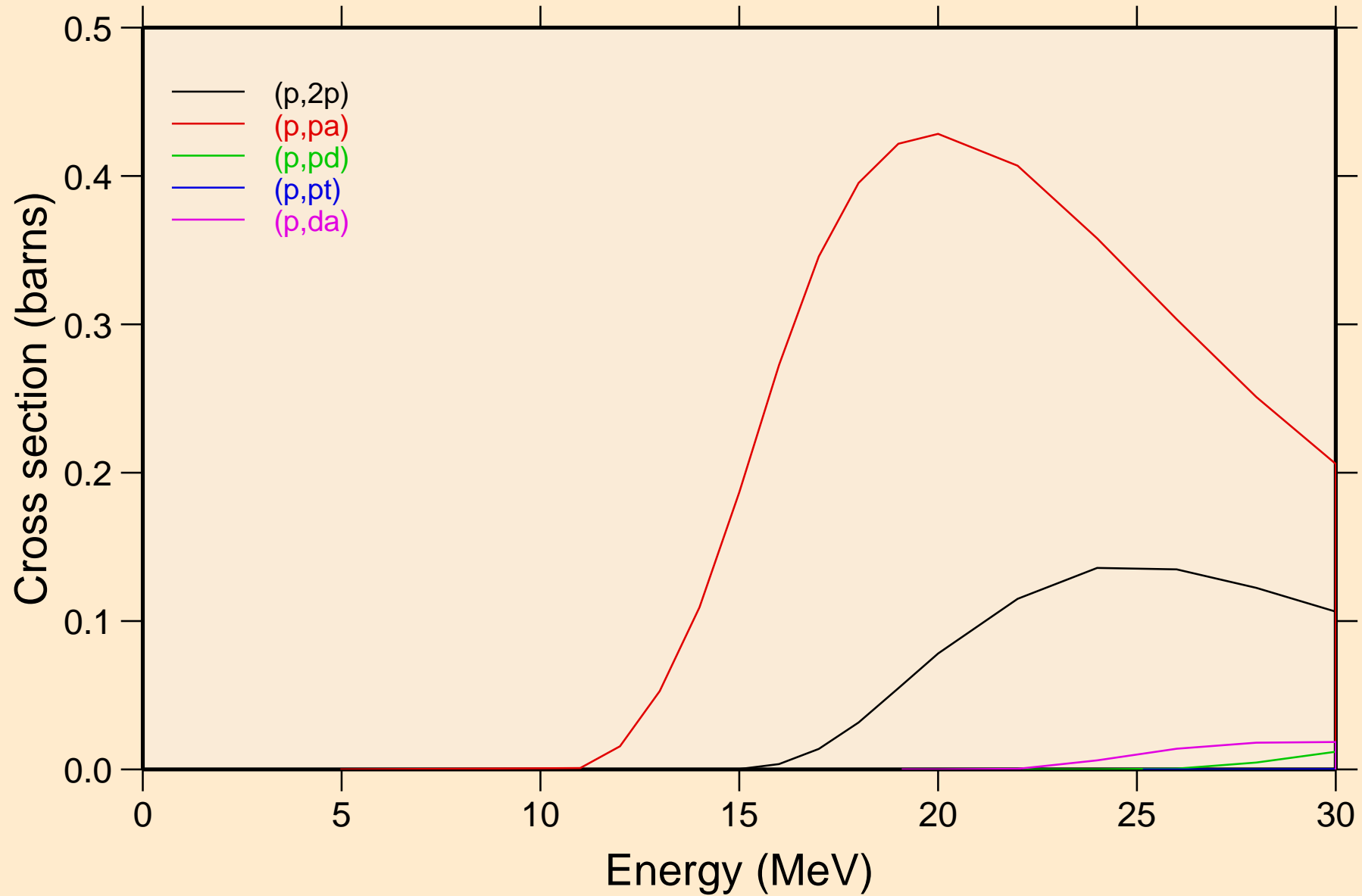
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



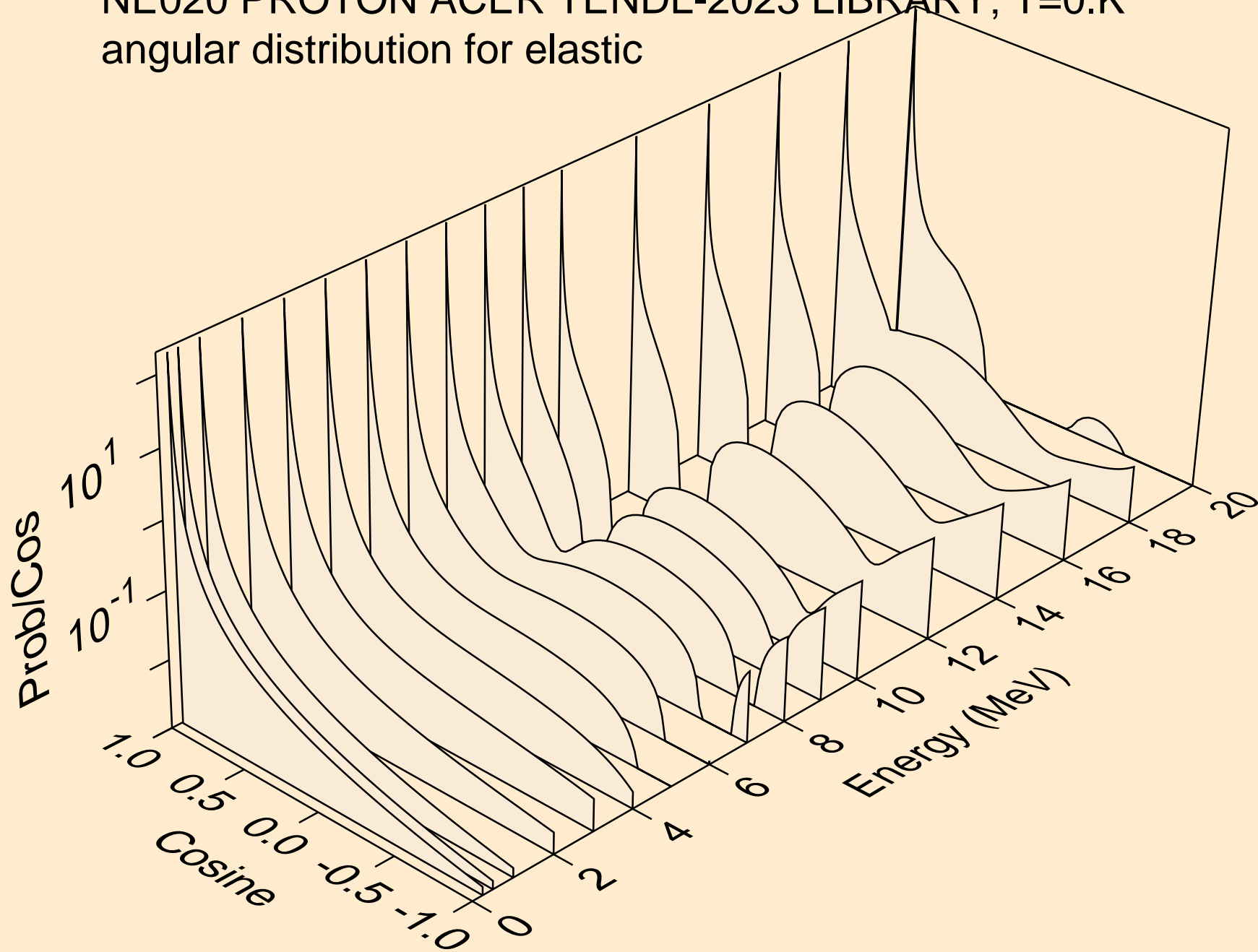
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



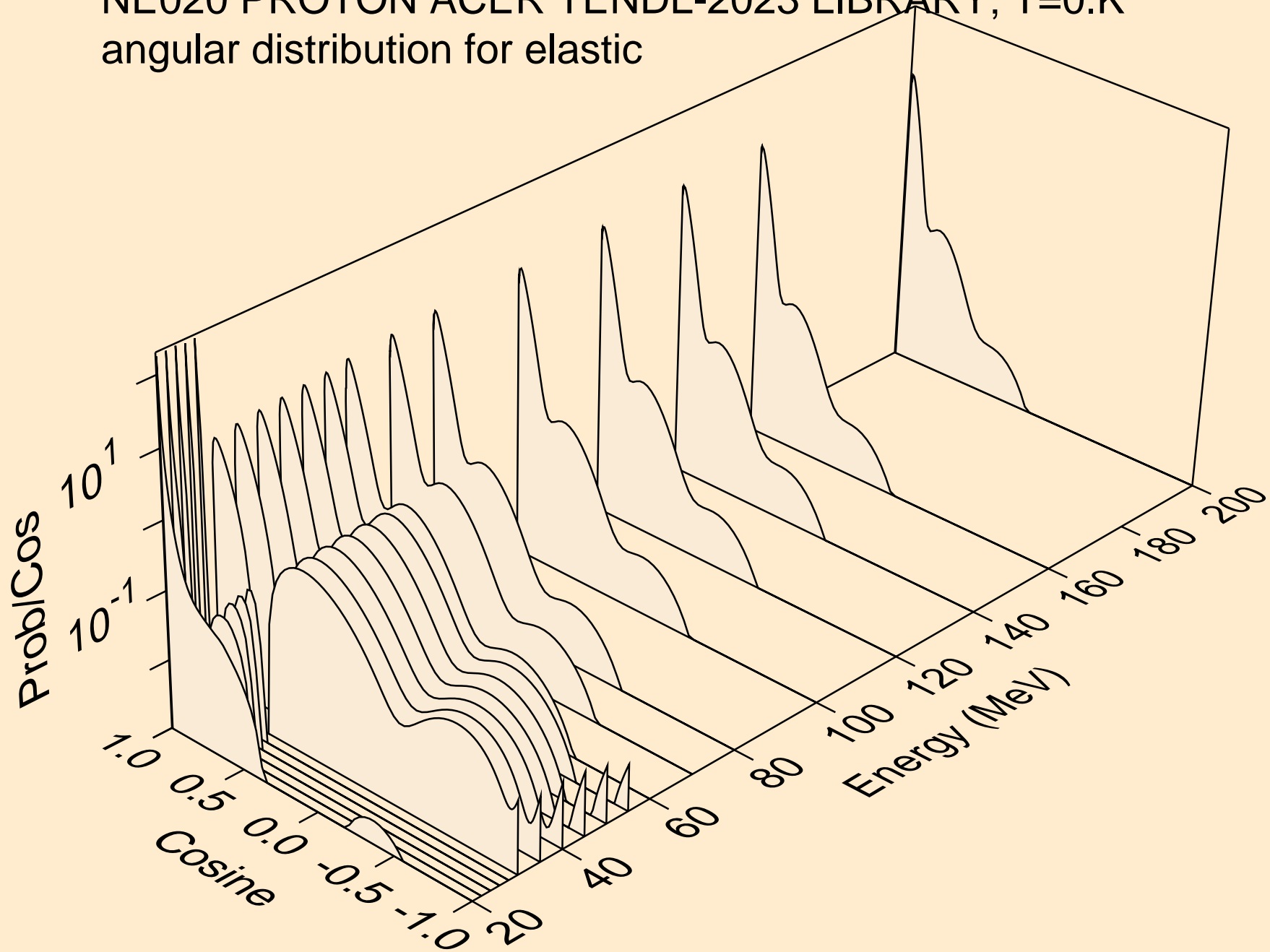
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



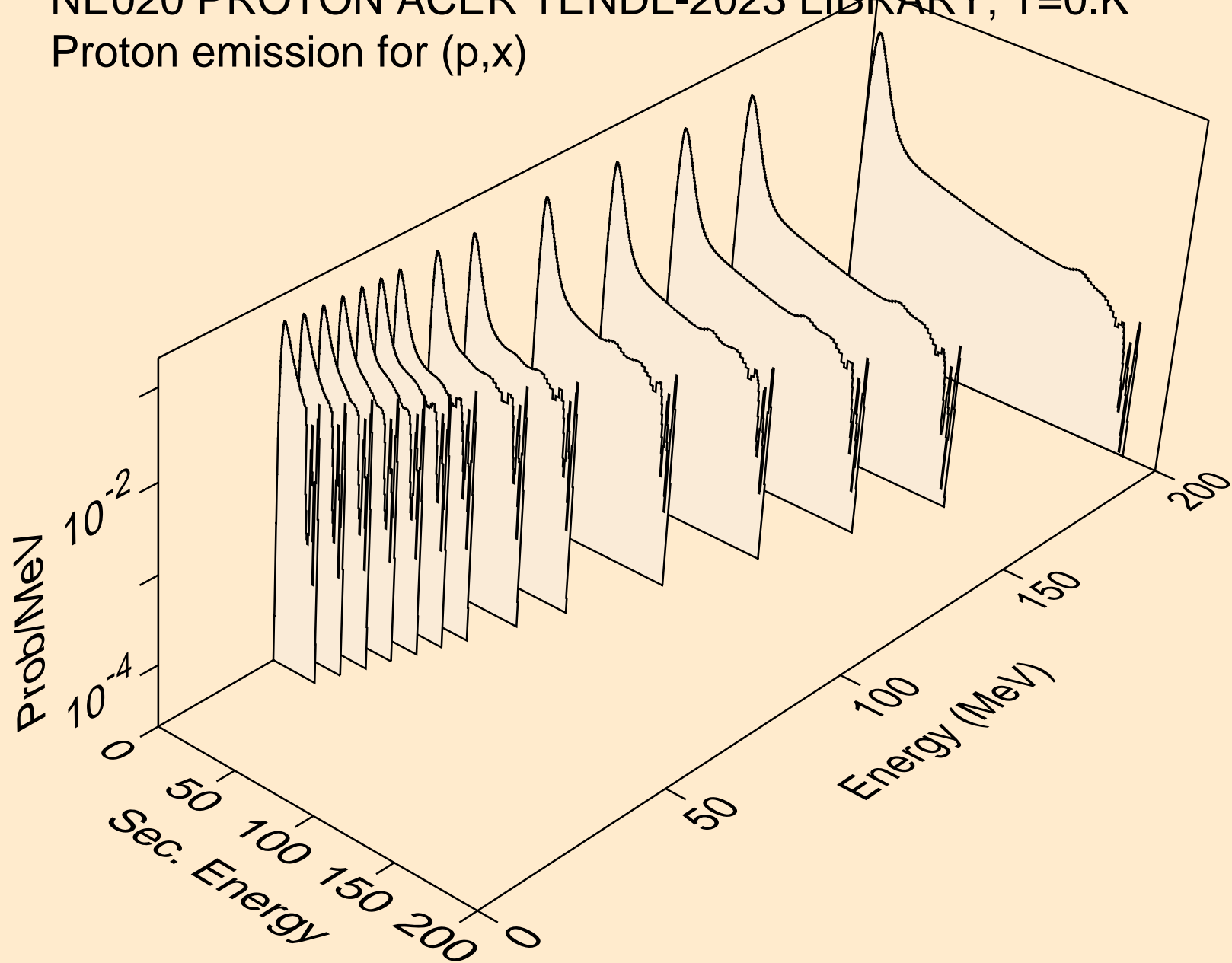
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



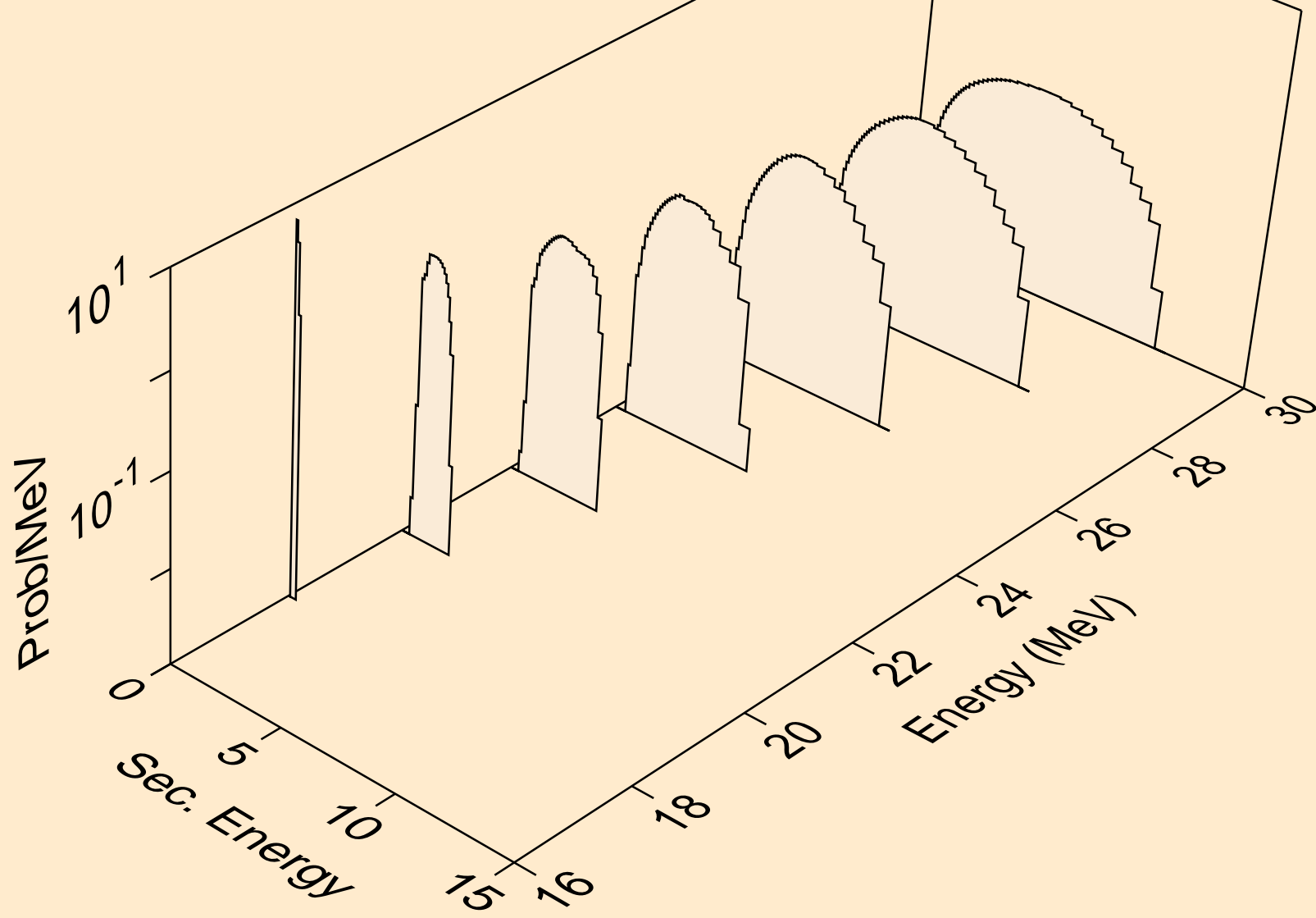
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)

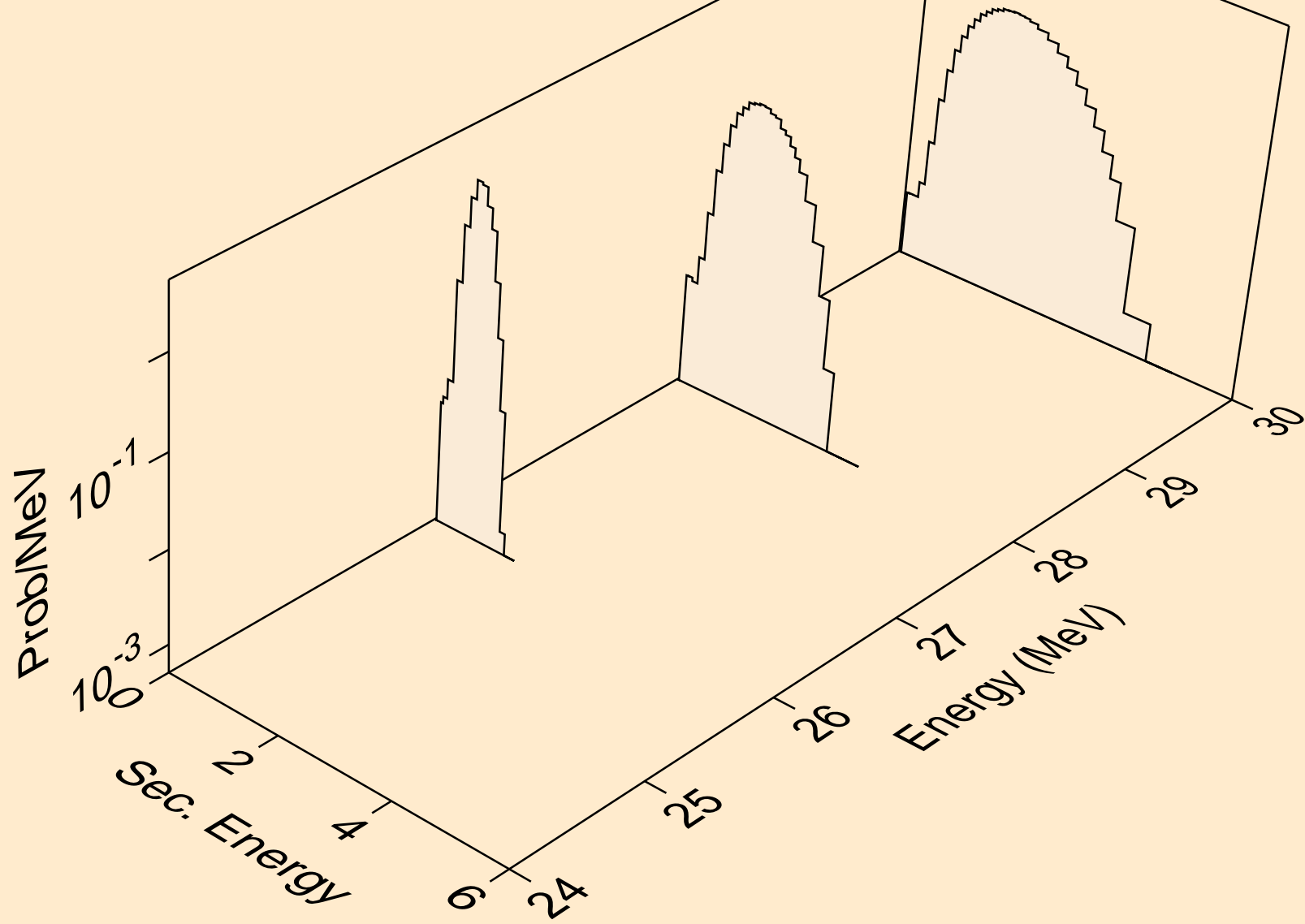


NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n\*)p

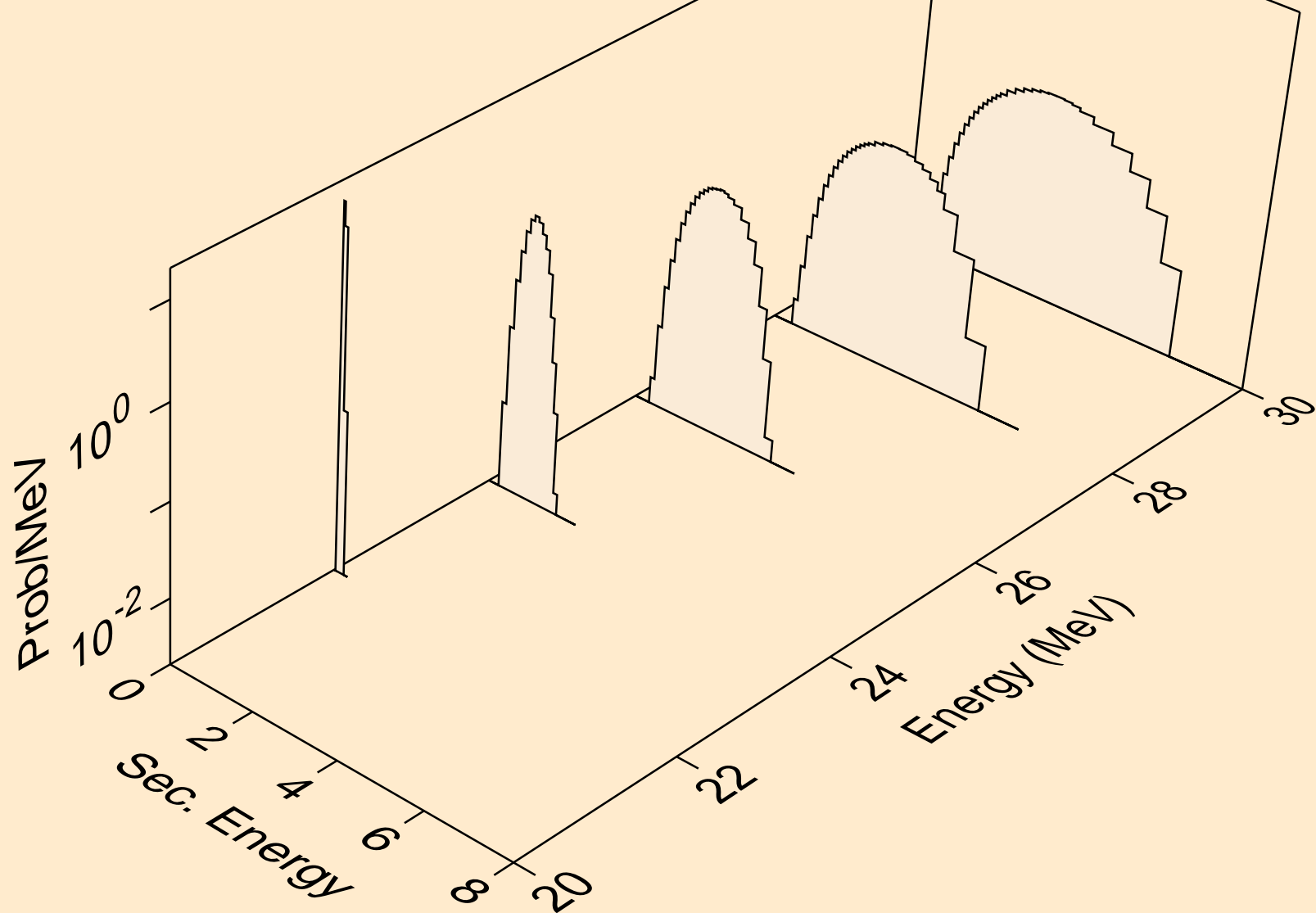




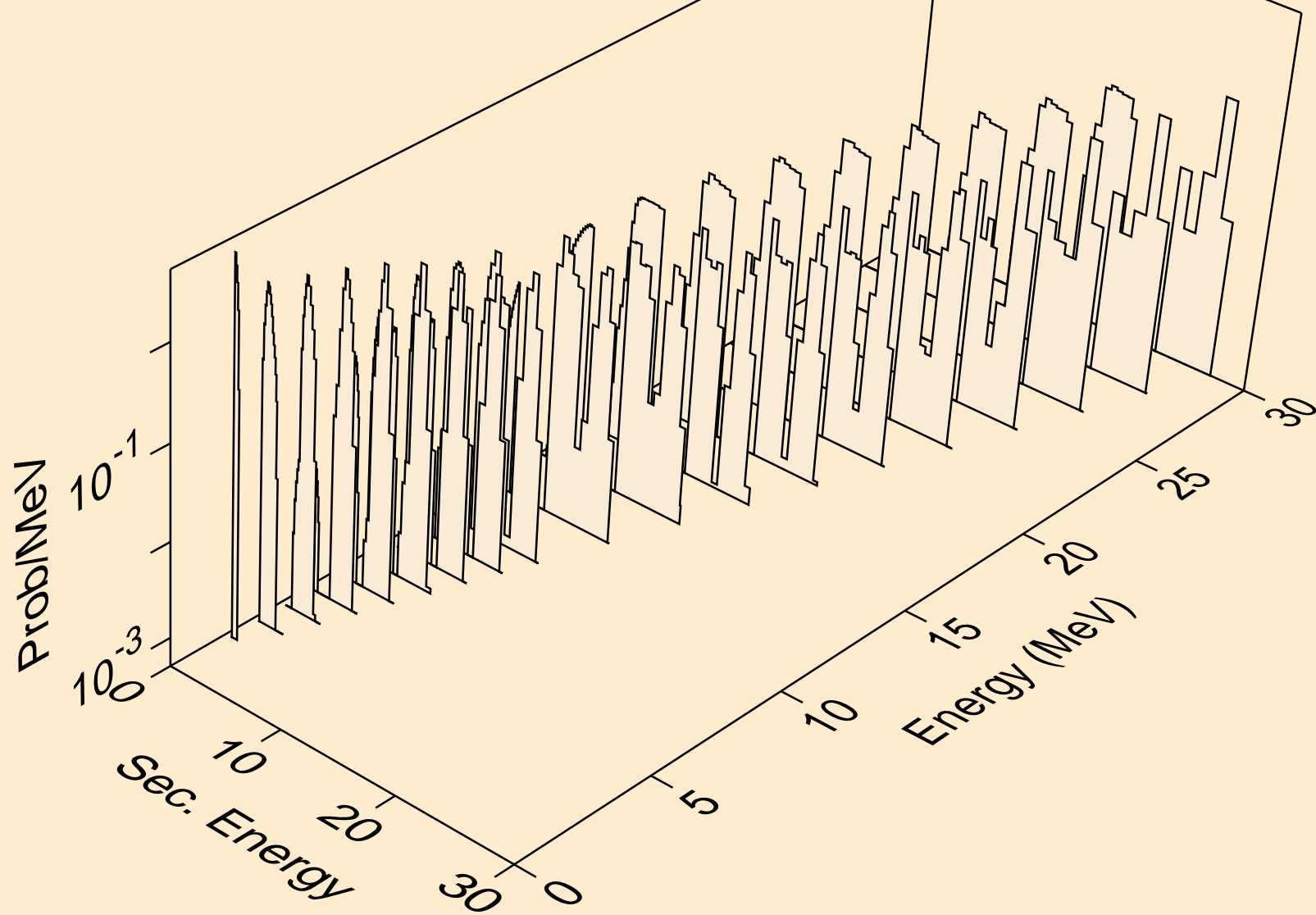
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n2p)



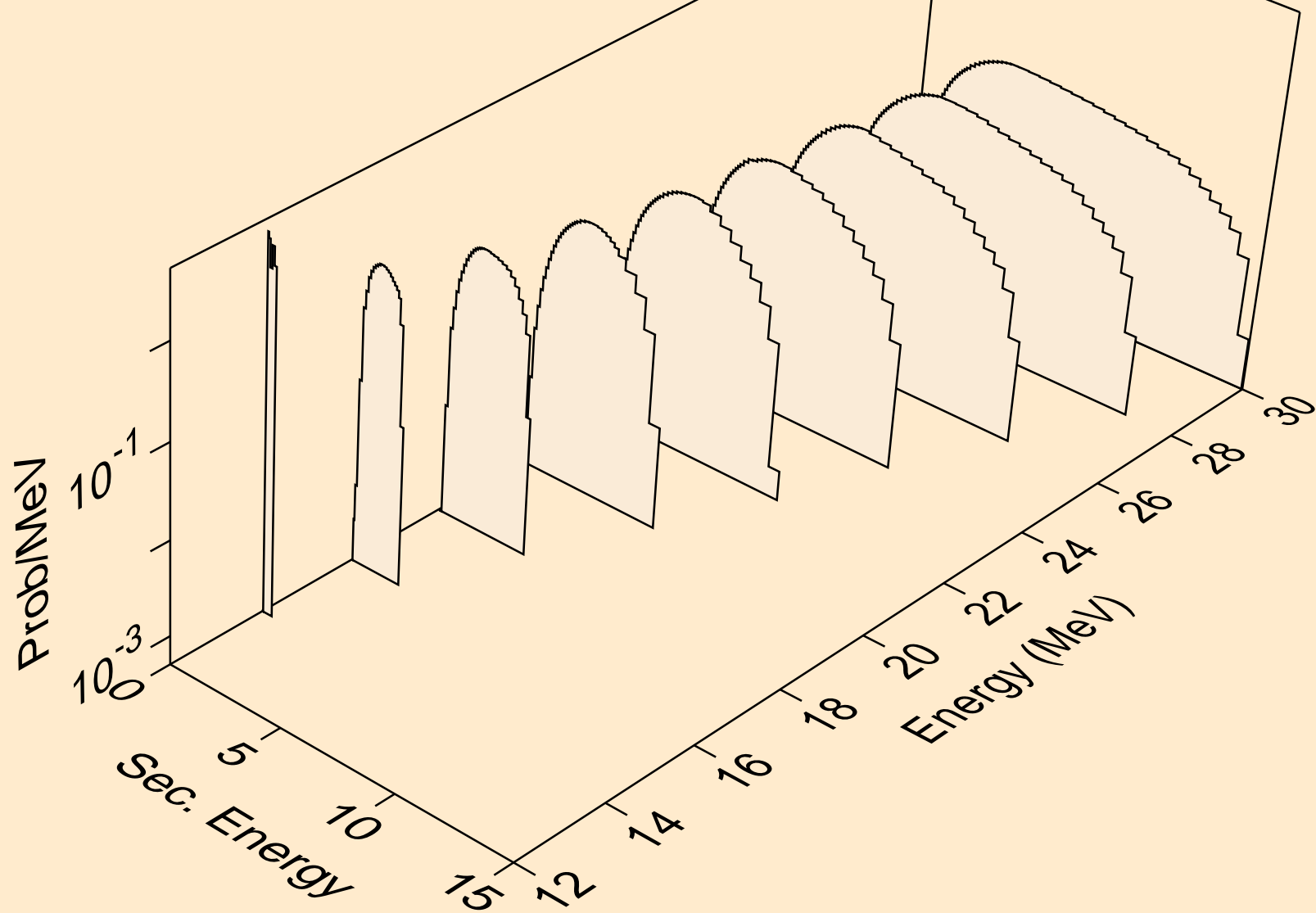
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,npa)



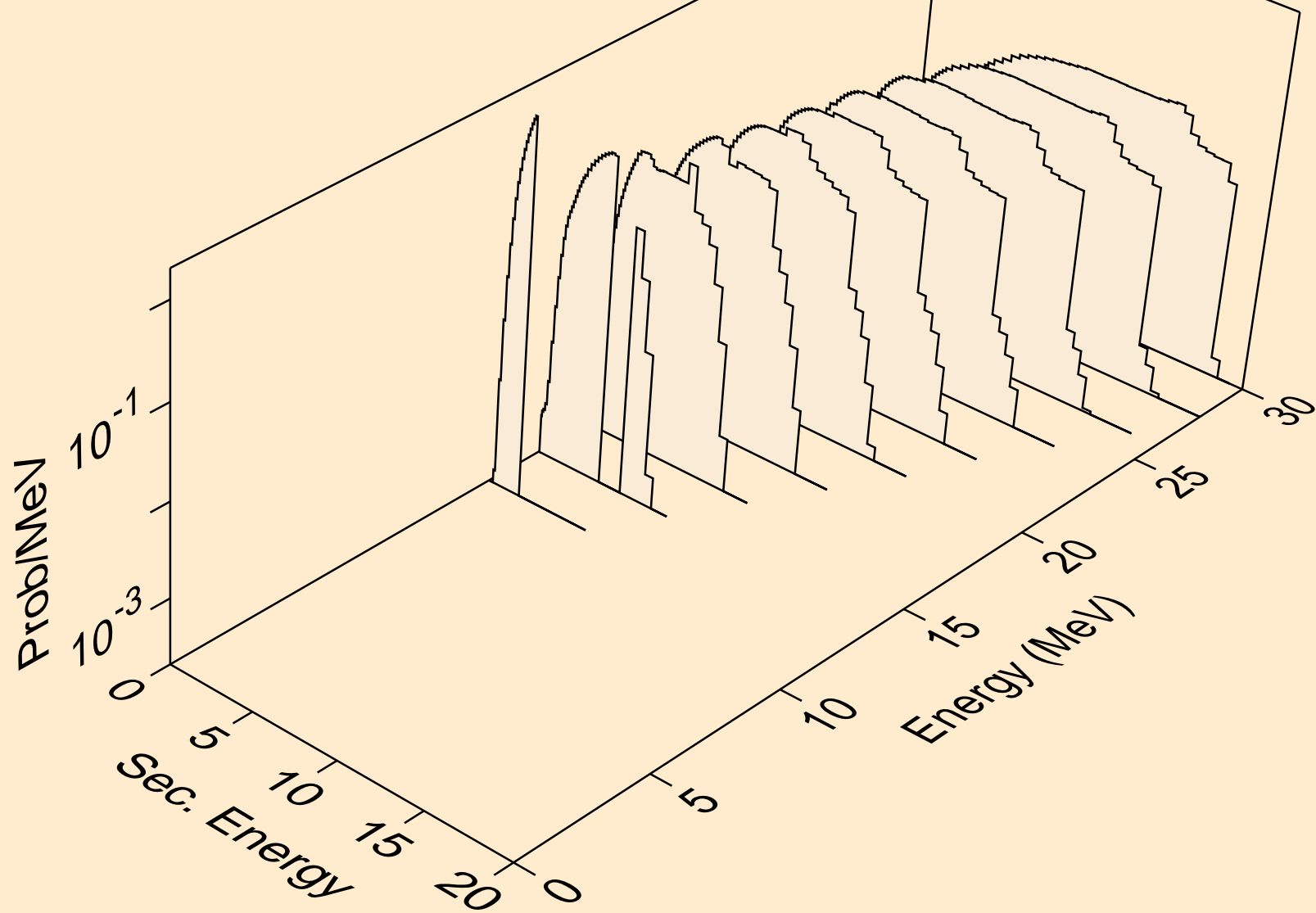
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic



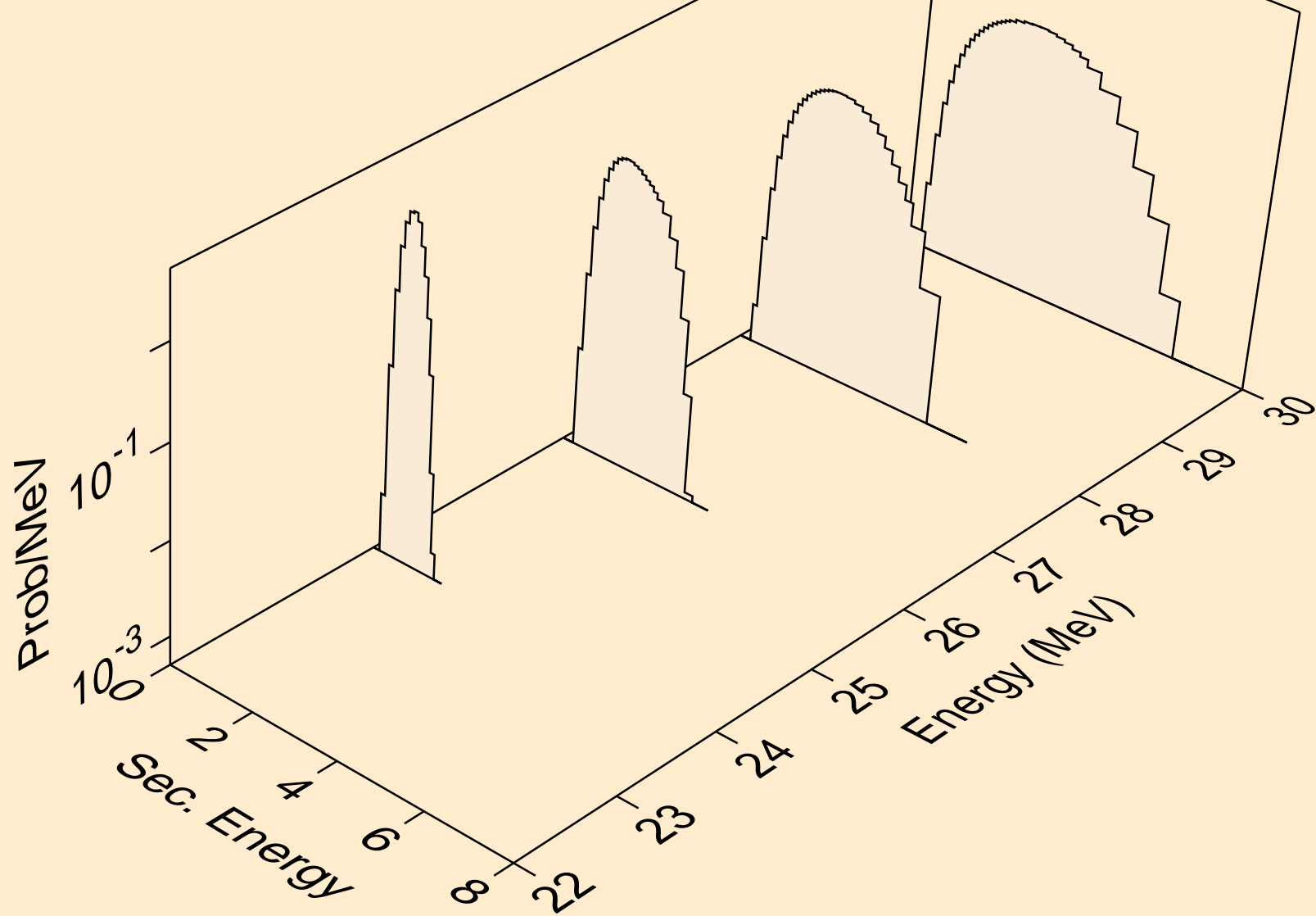
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2p)



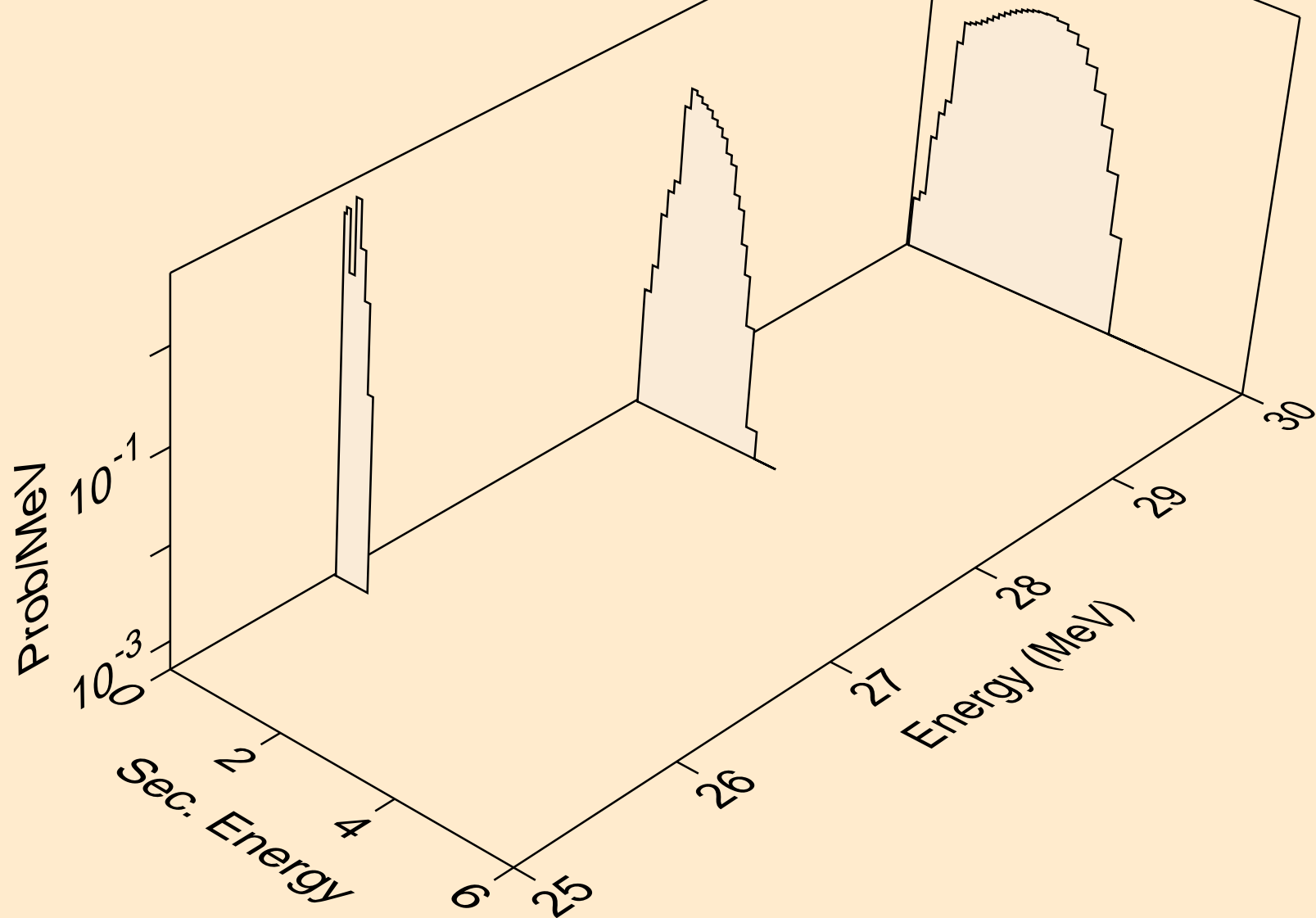
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pa)



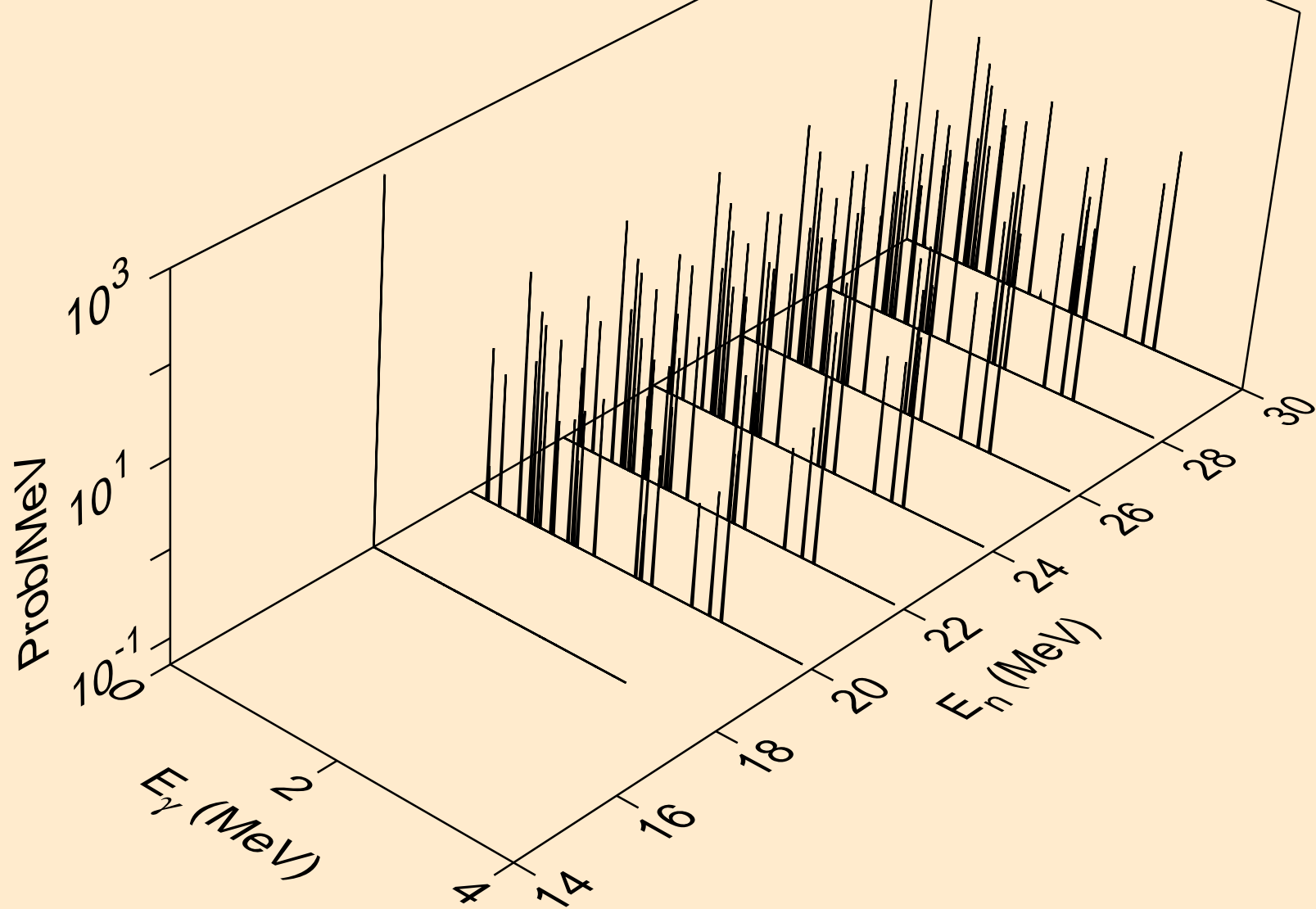
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pd)



NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pt)

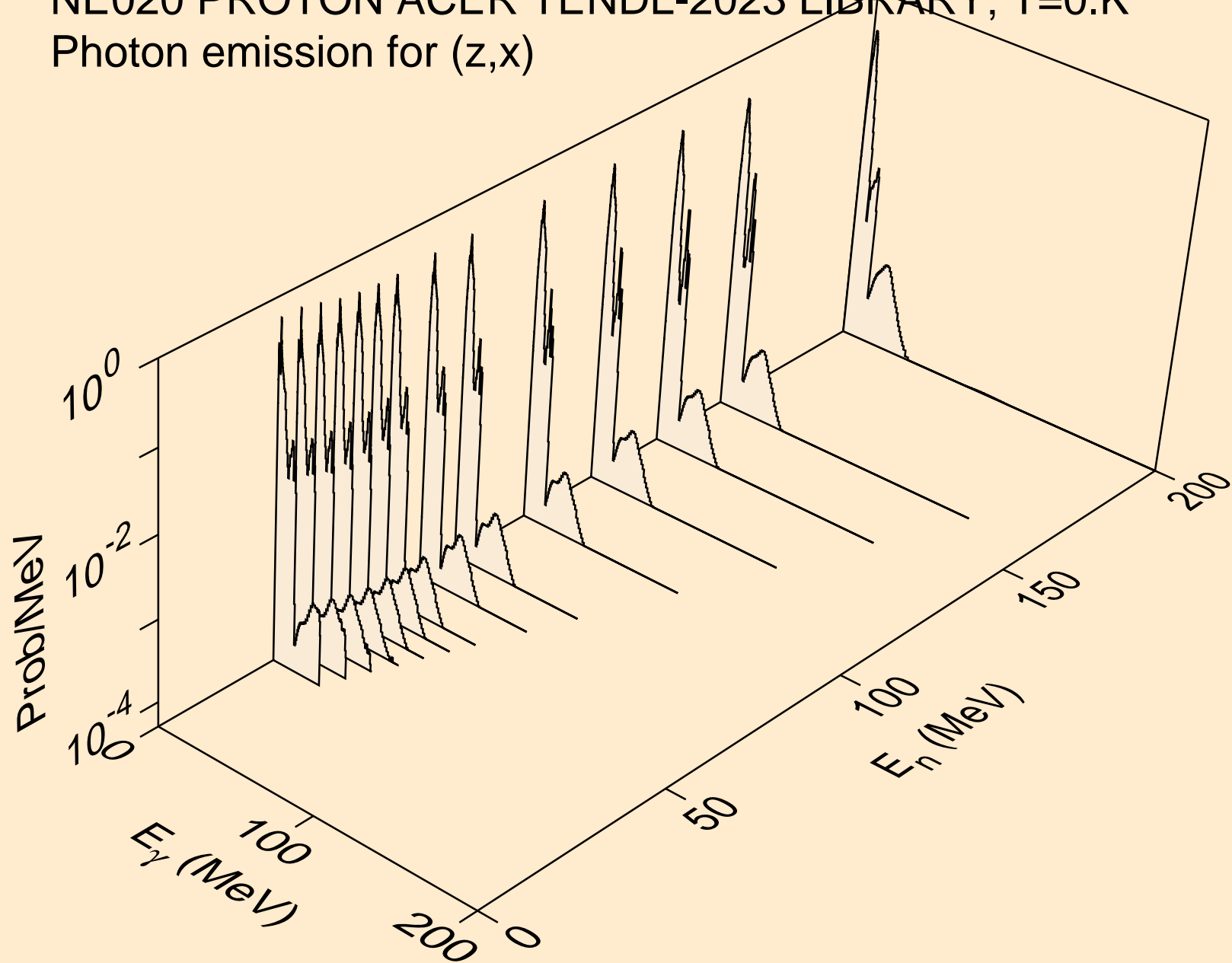


NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)

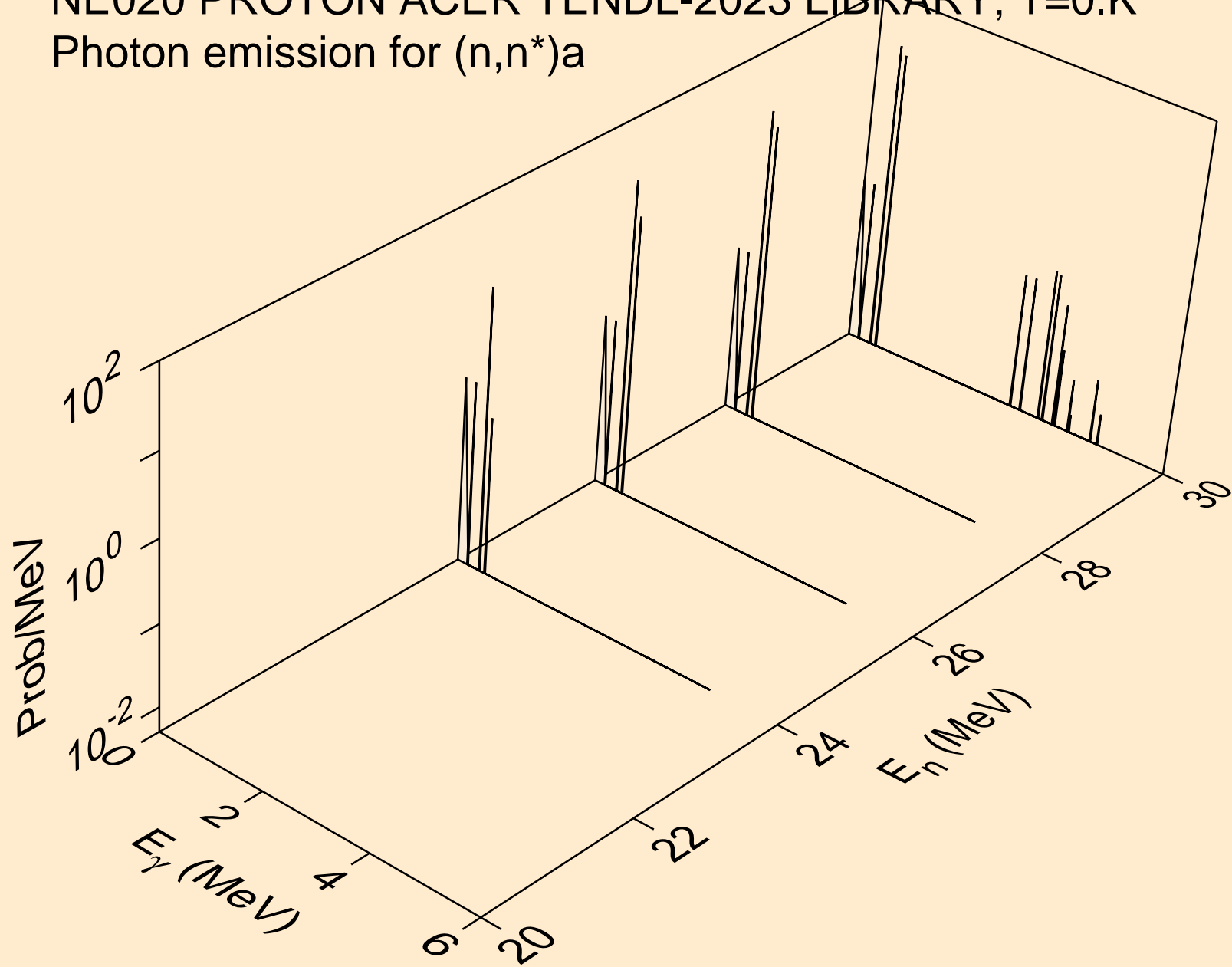




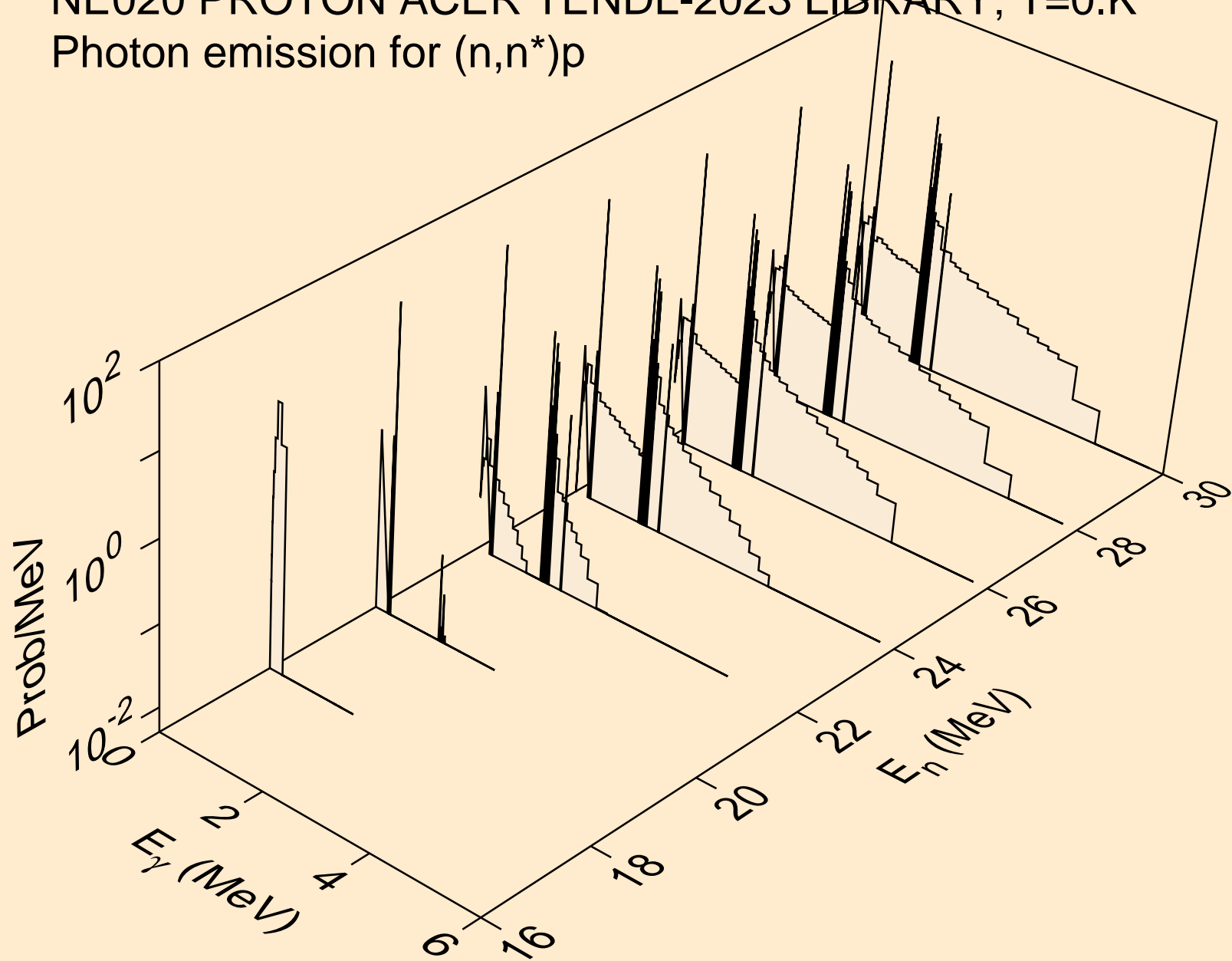
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



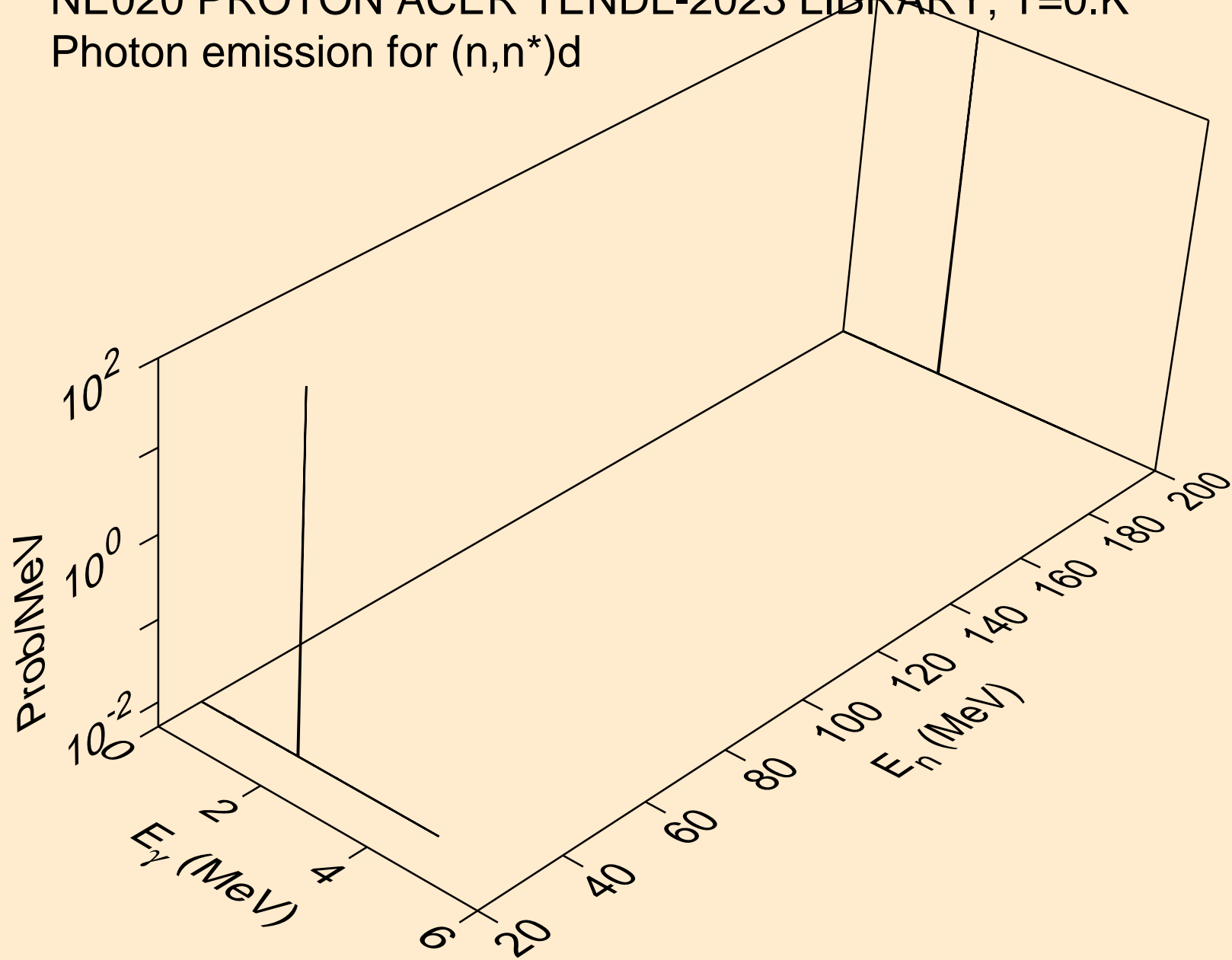
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



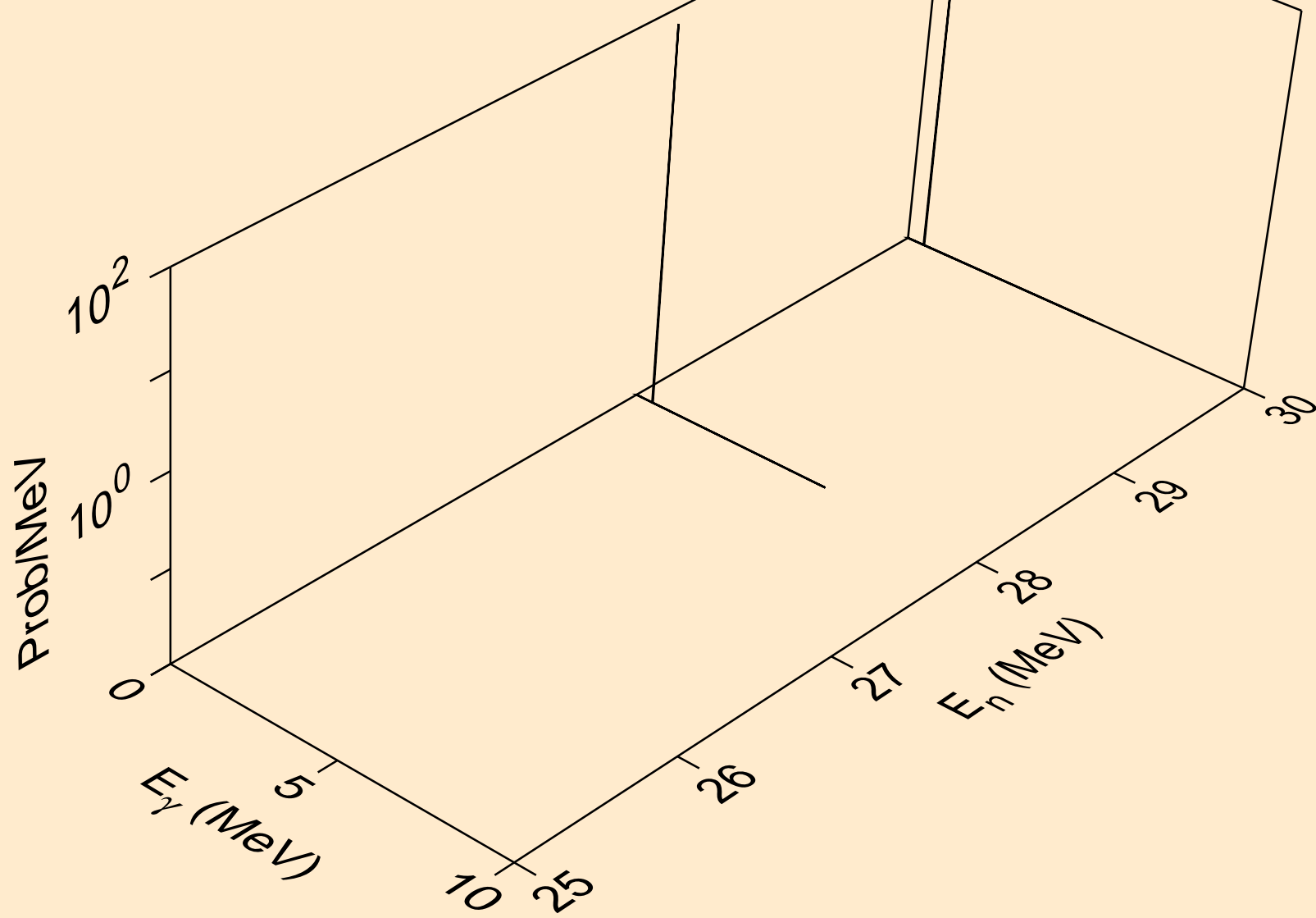
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



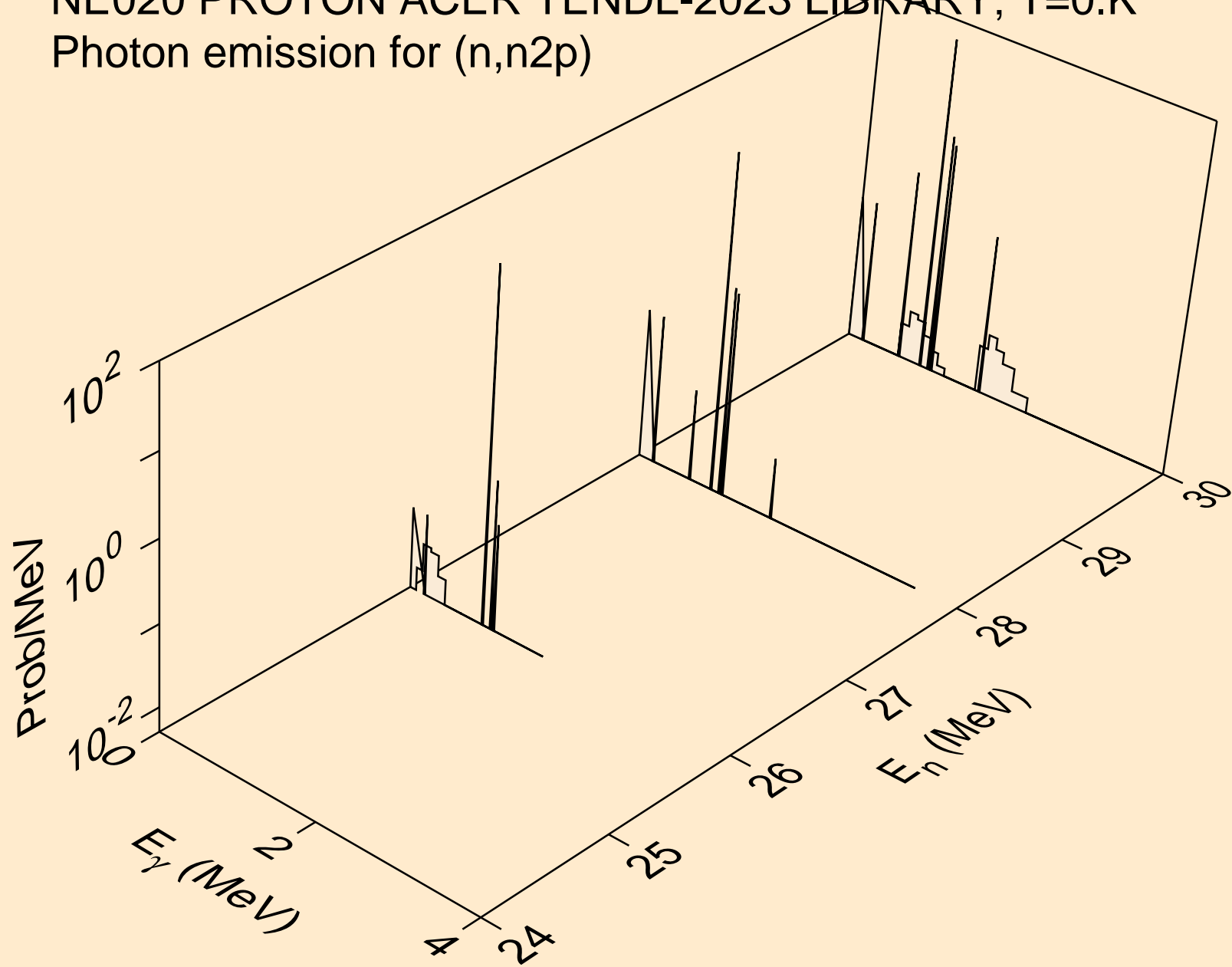
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



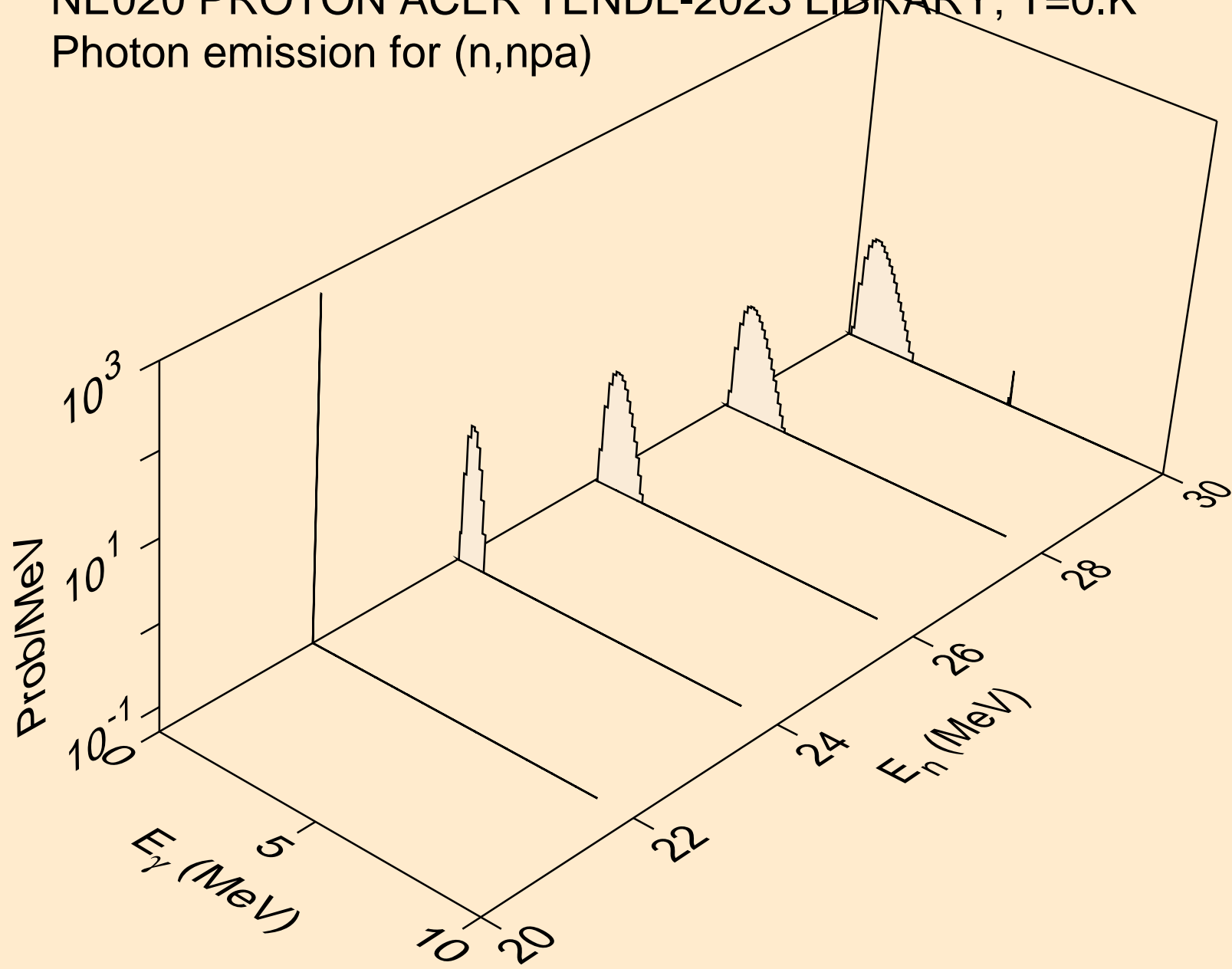
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



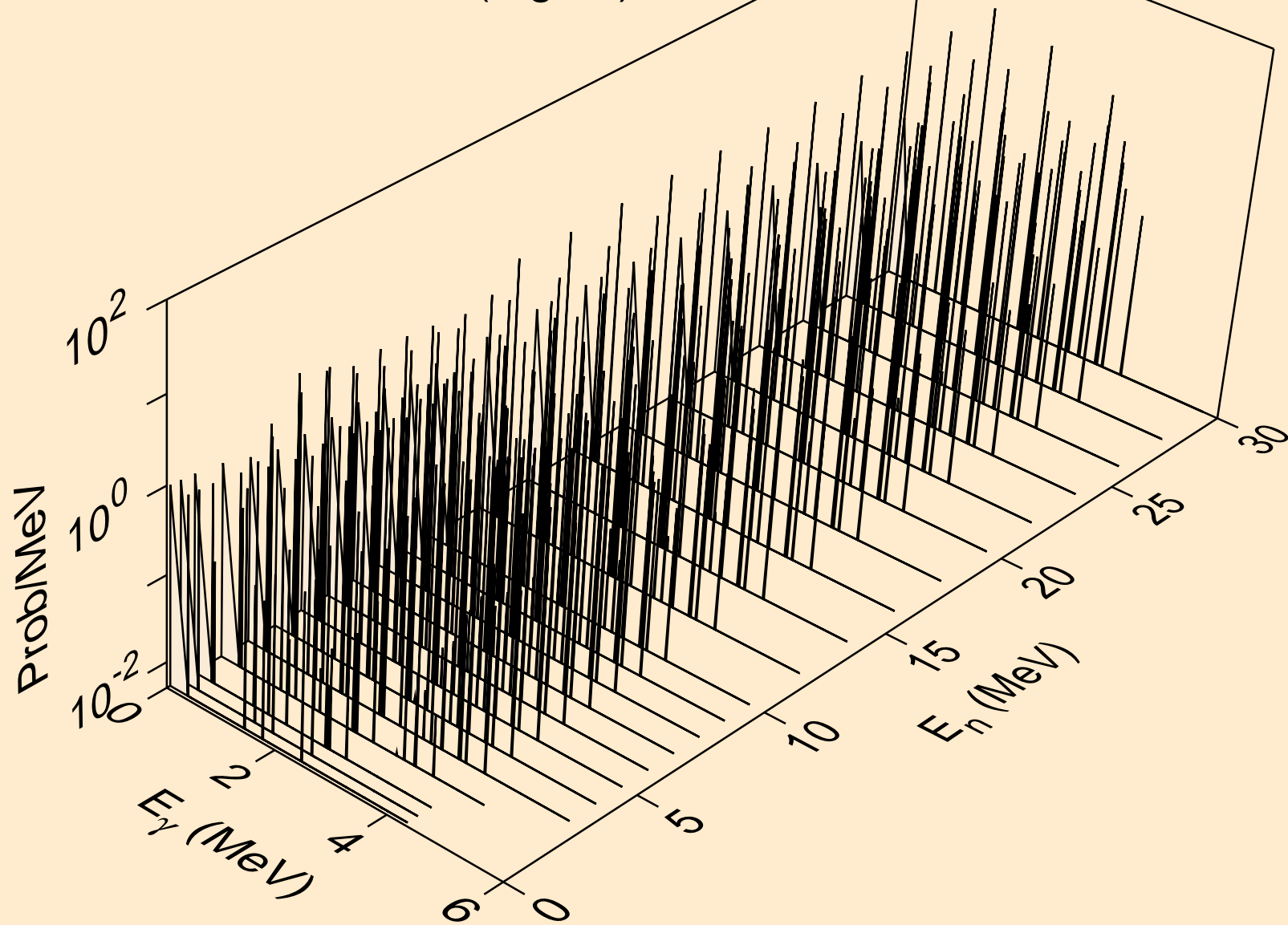
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)

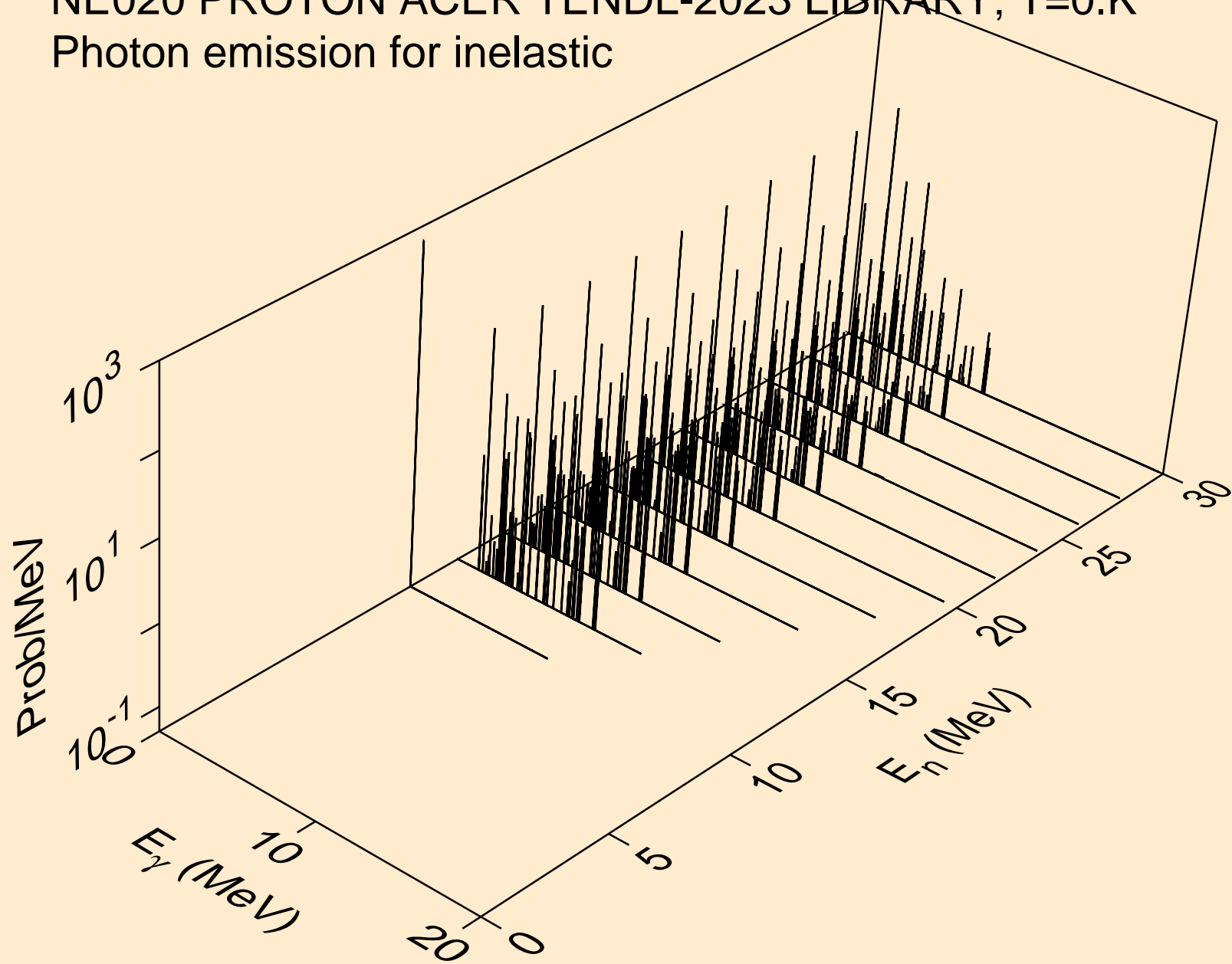


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Photon emission for (n,gma)

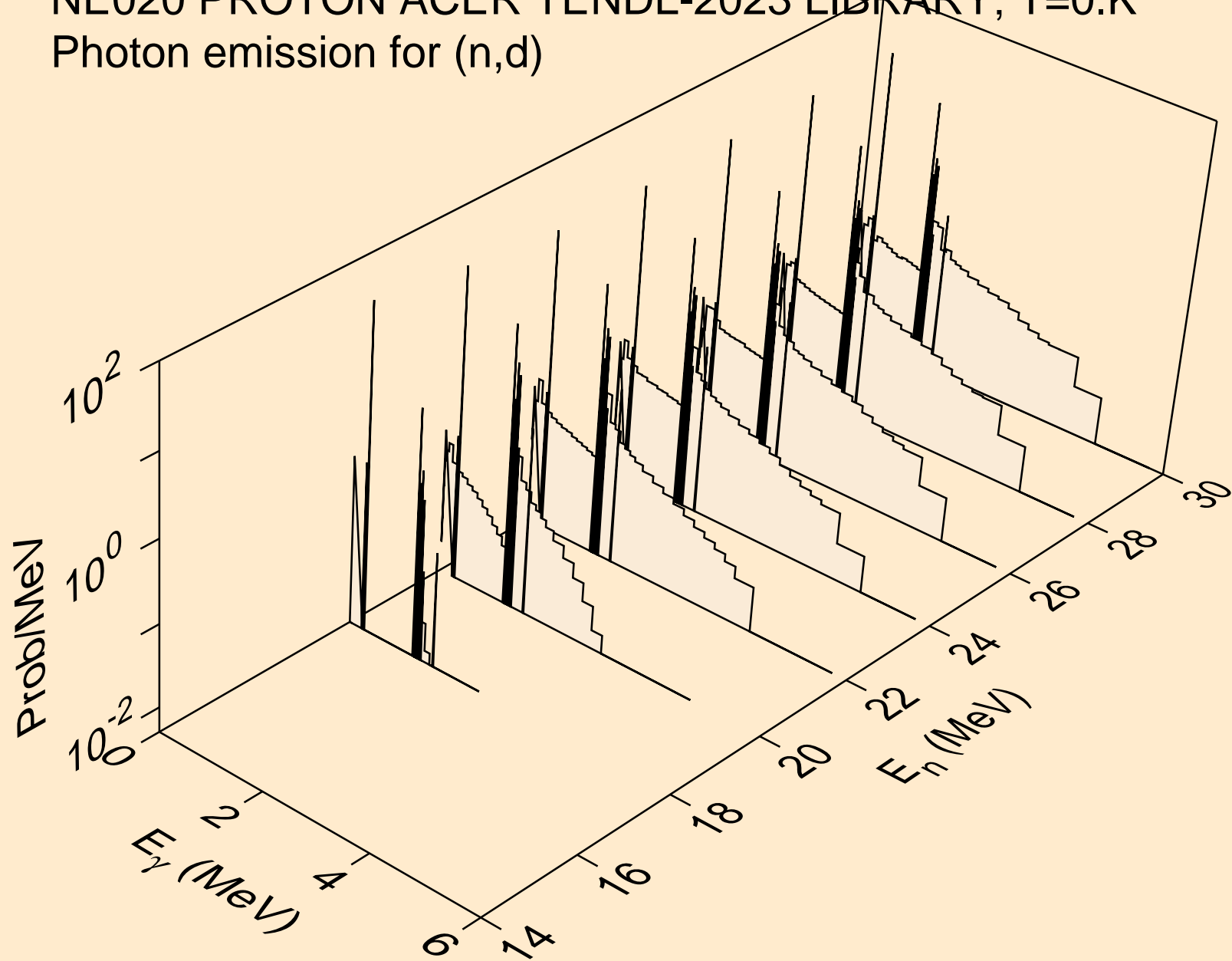




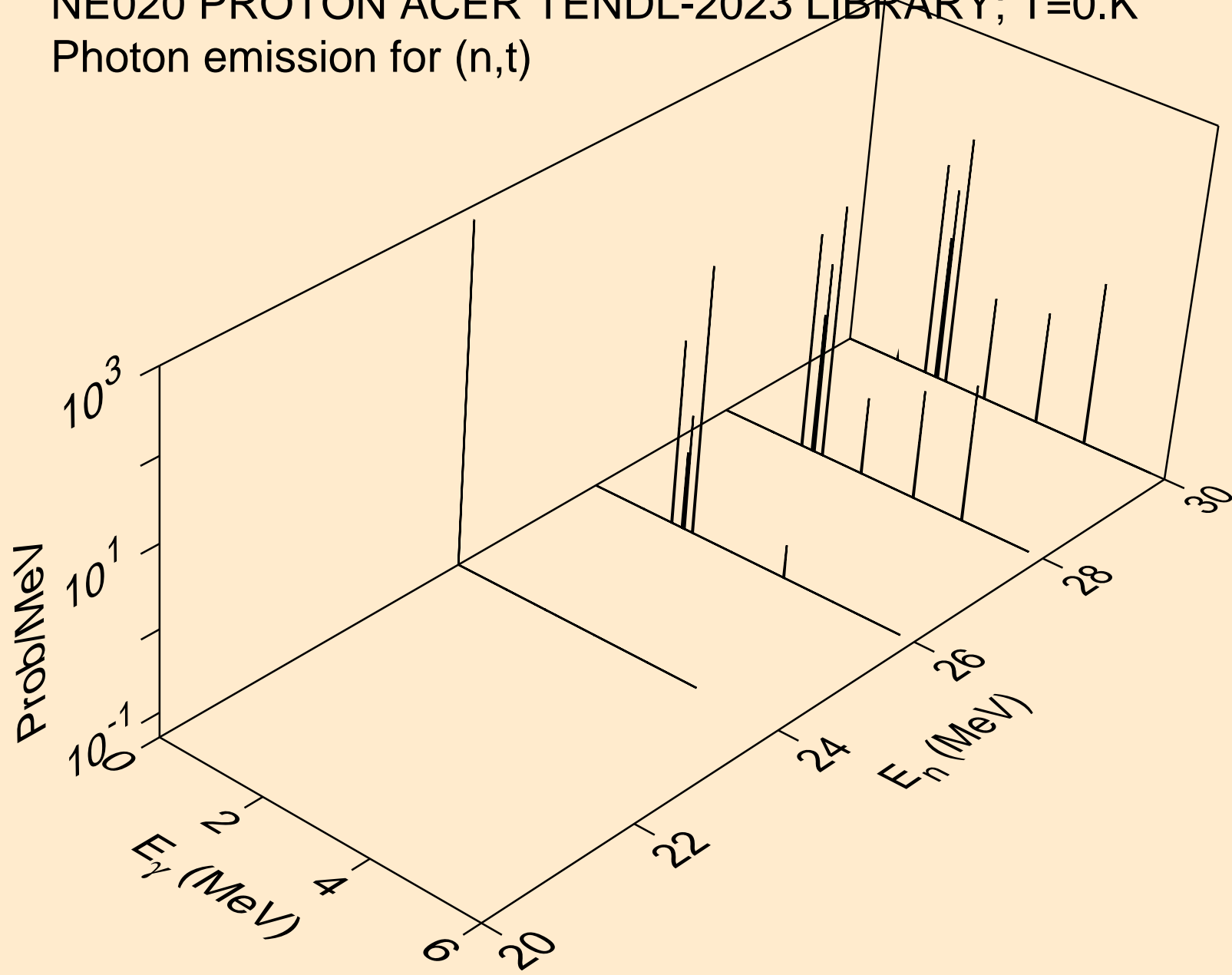
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



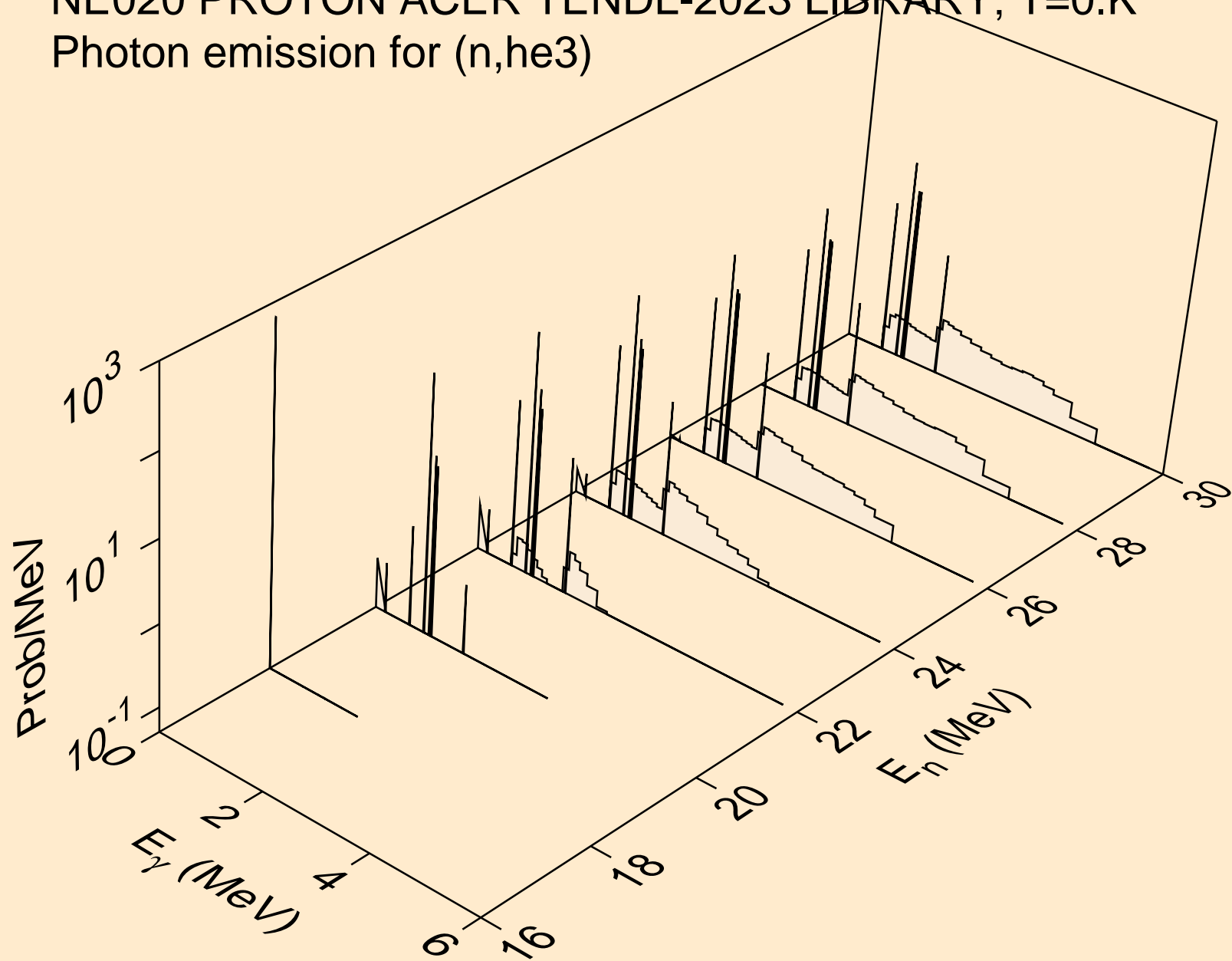
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Photon emission for (n,d)



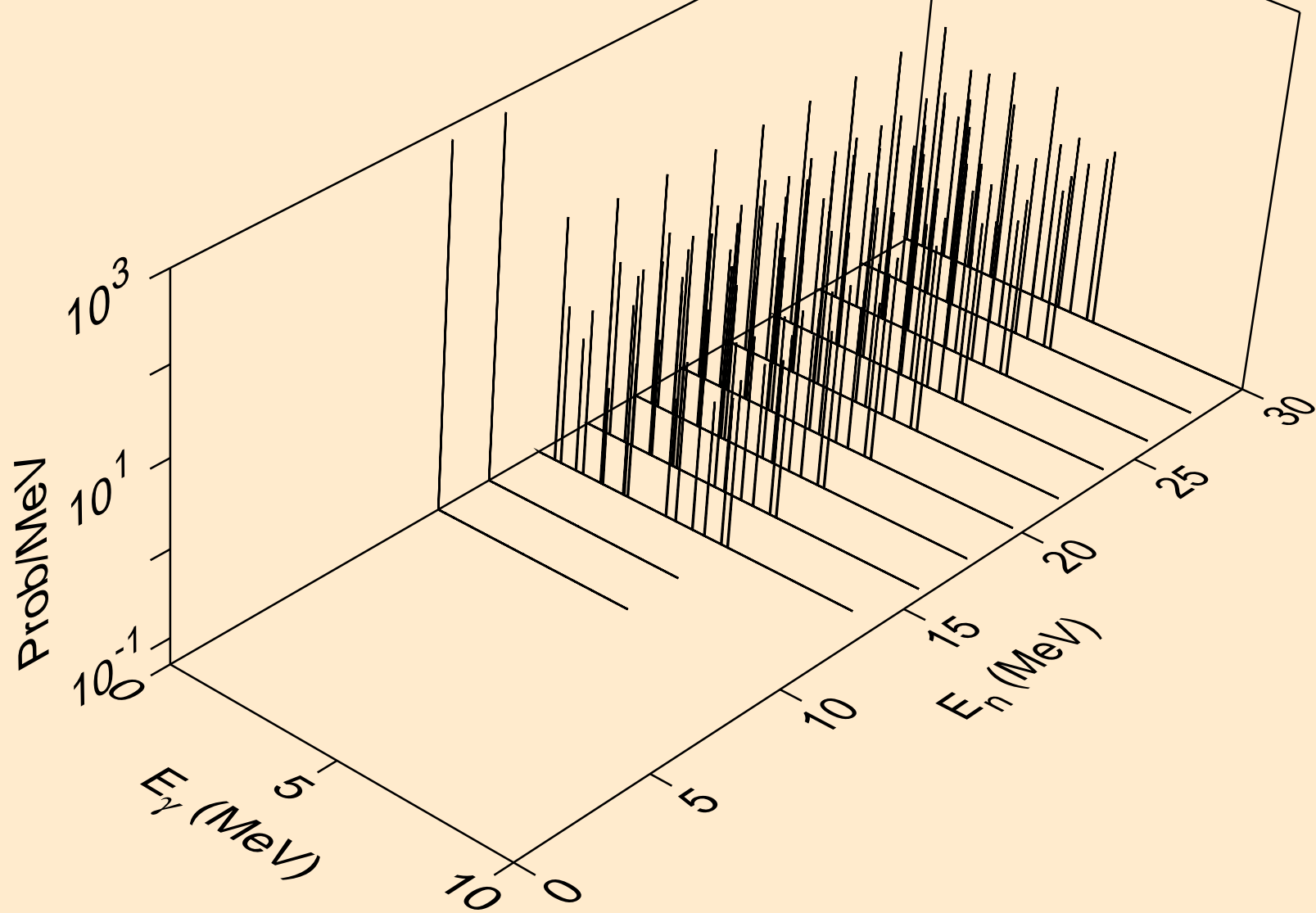
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



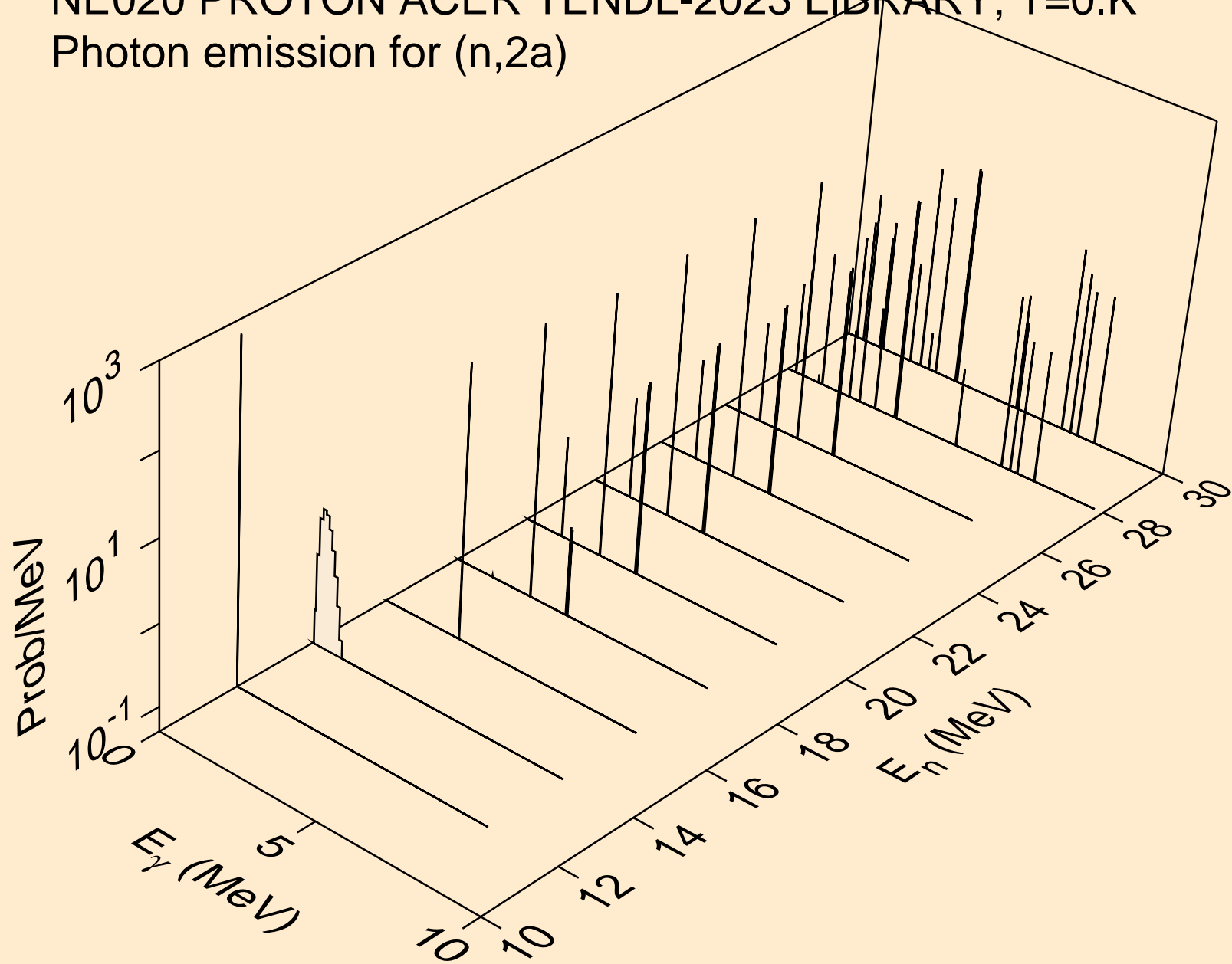
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Photon emission for (n,he3)



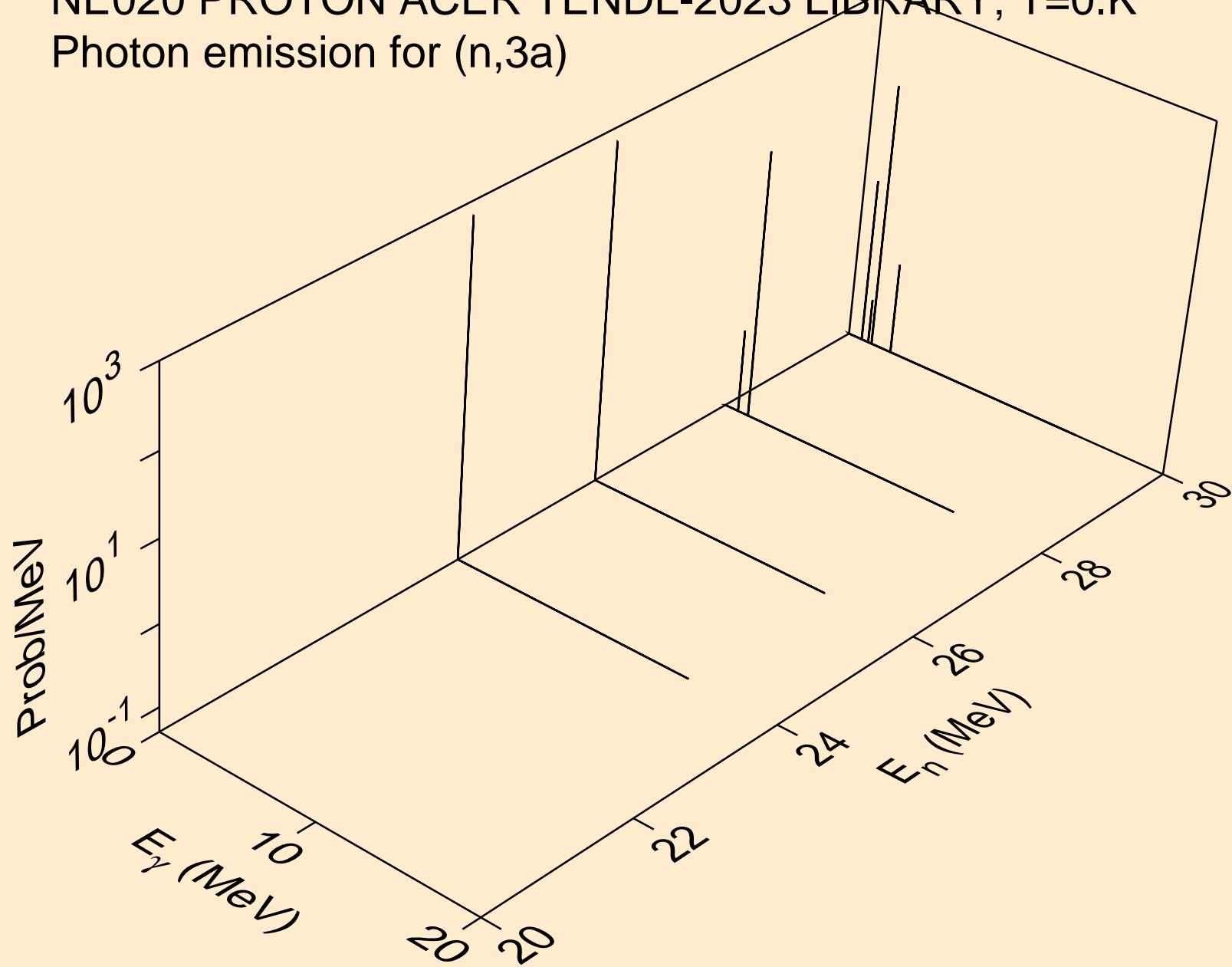
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Photon emission for (n,a)



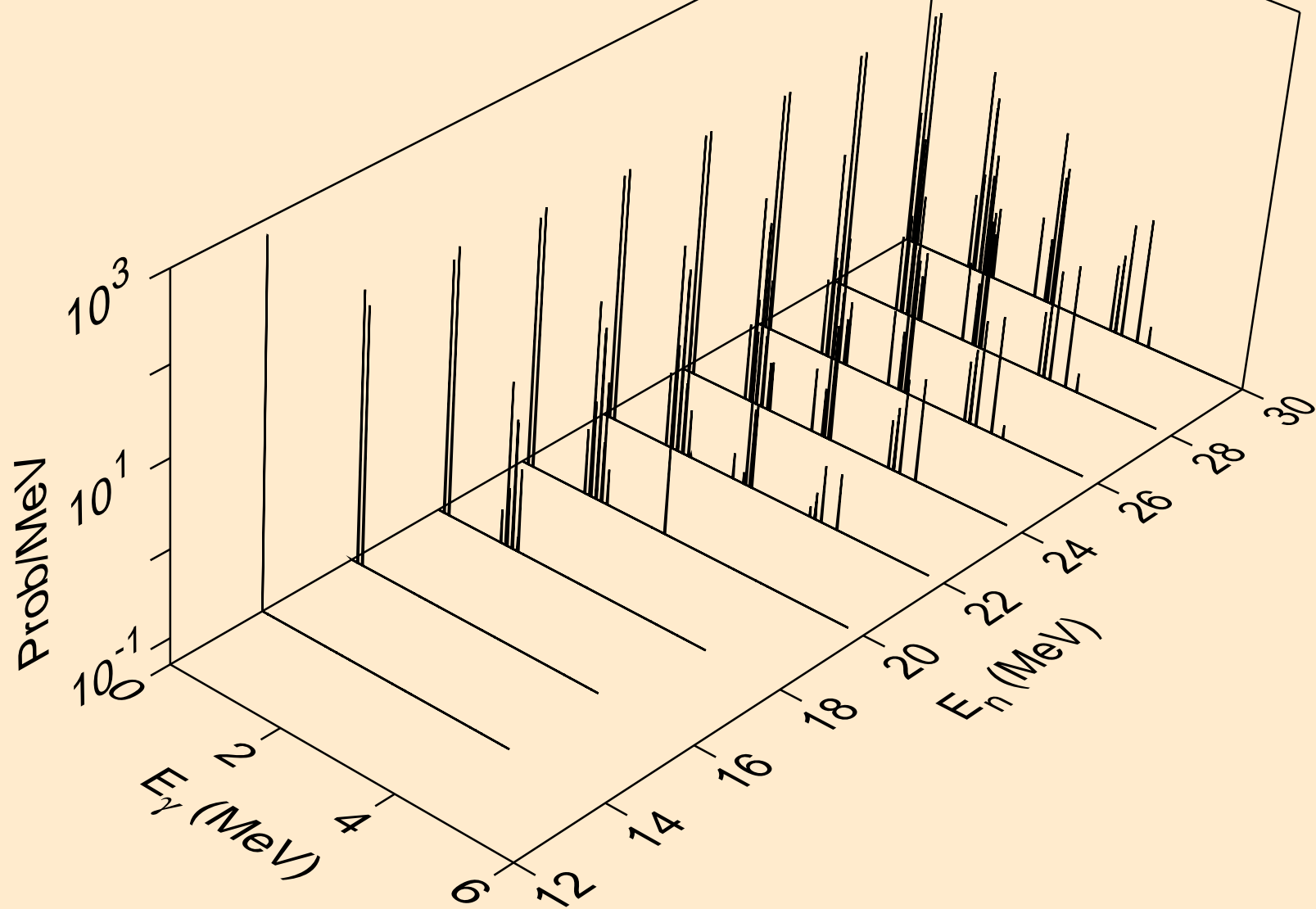
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3a)

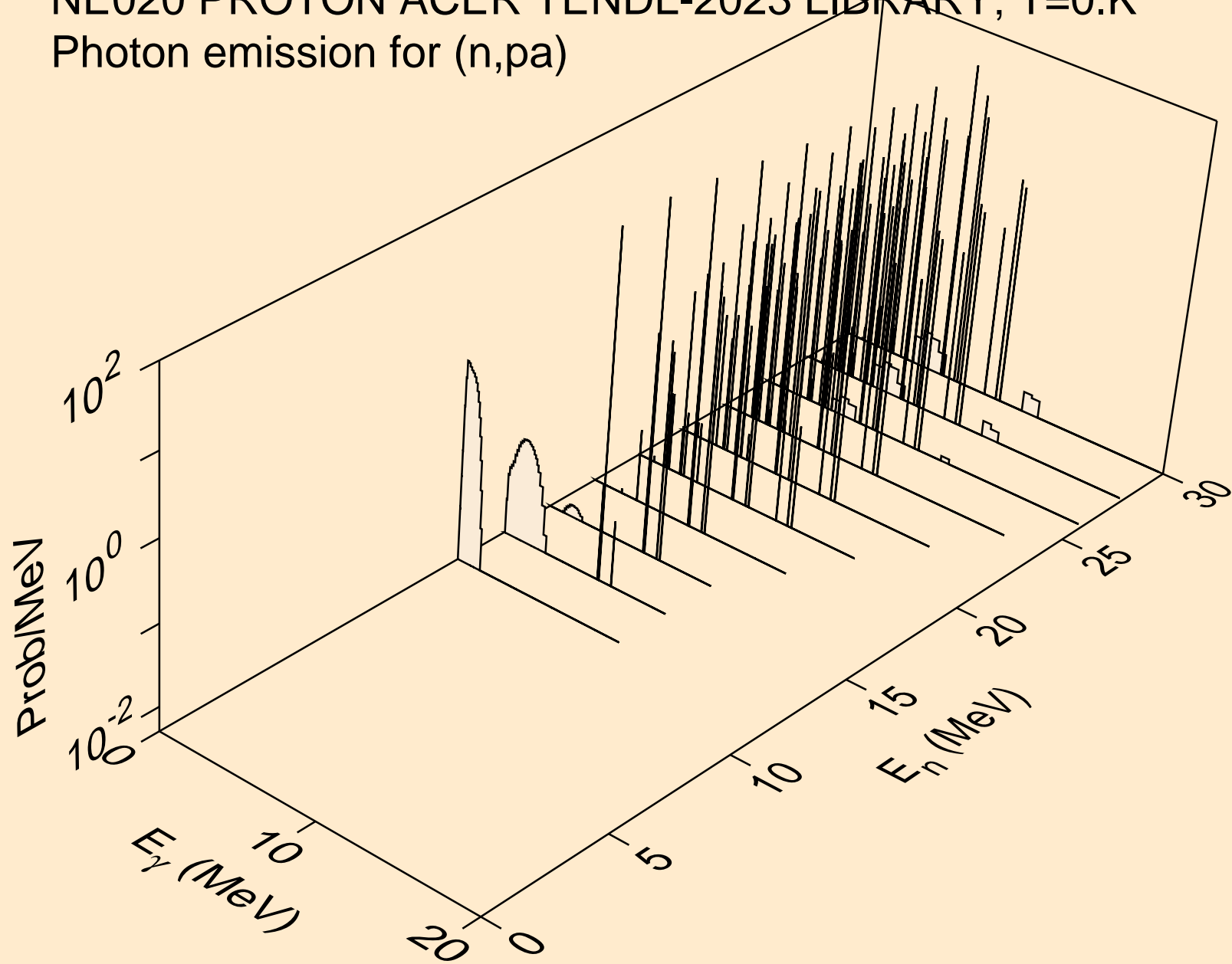


NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)

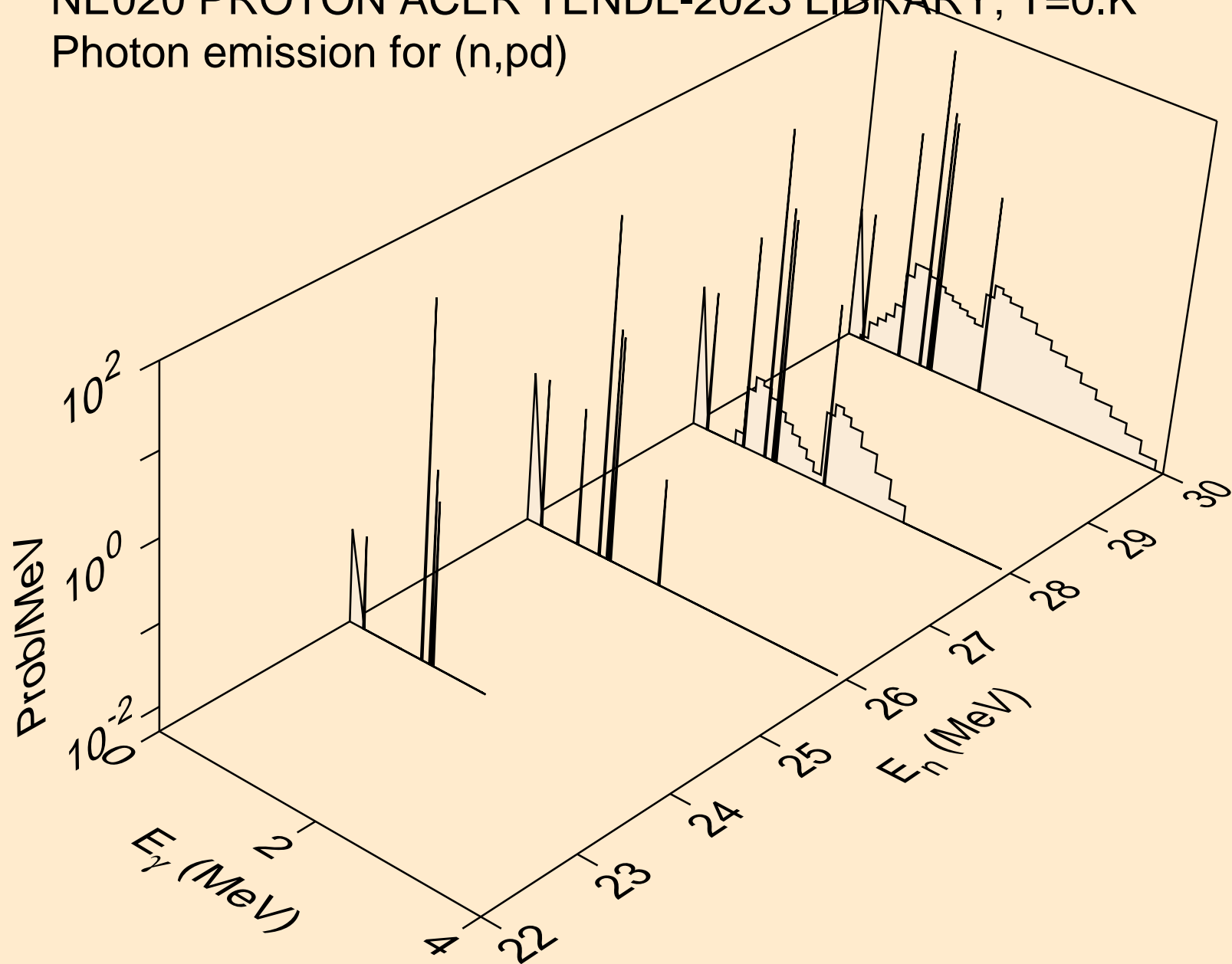




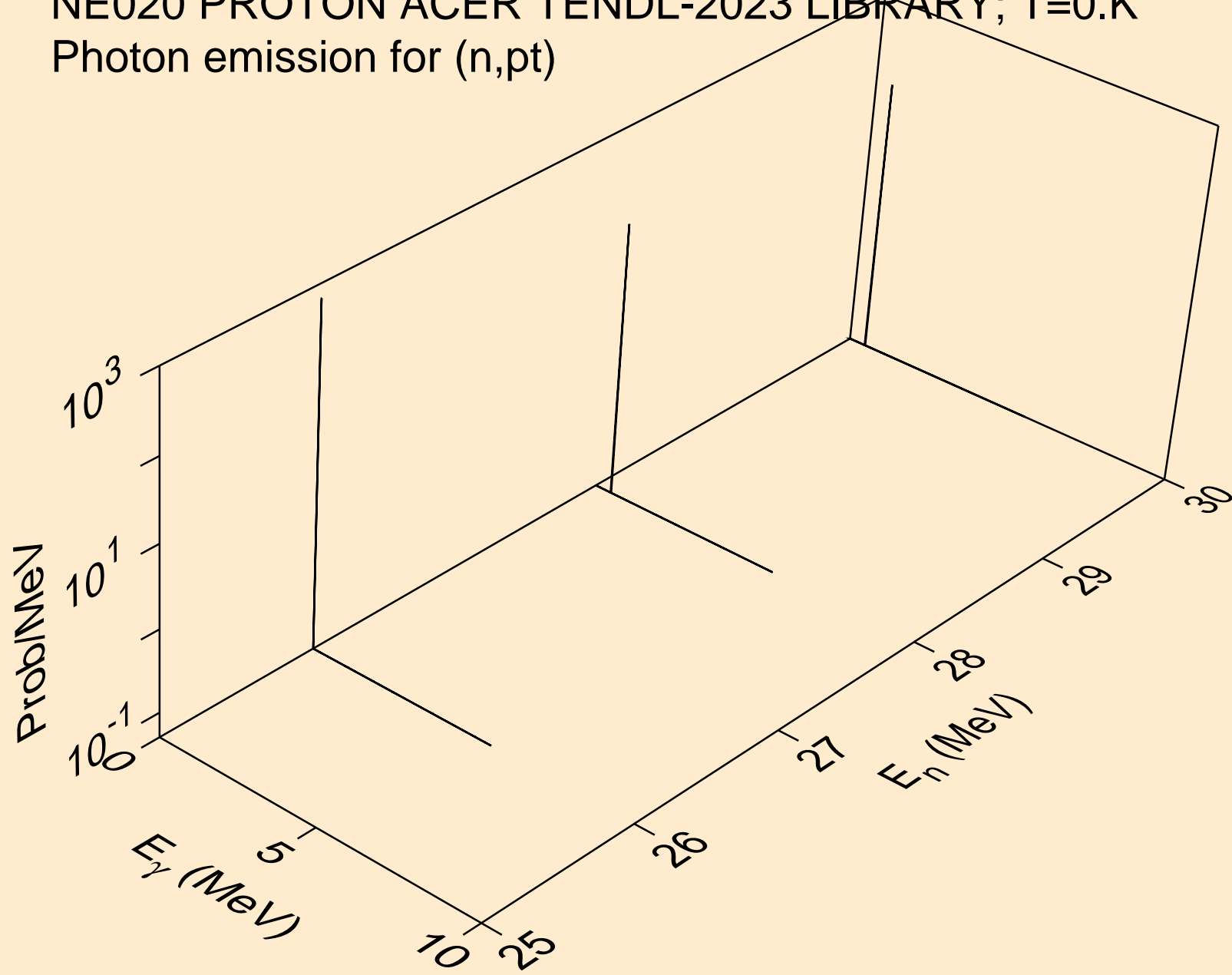
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Photon emission for (n,pa)



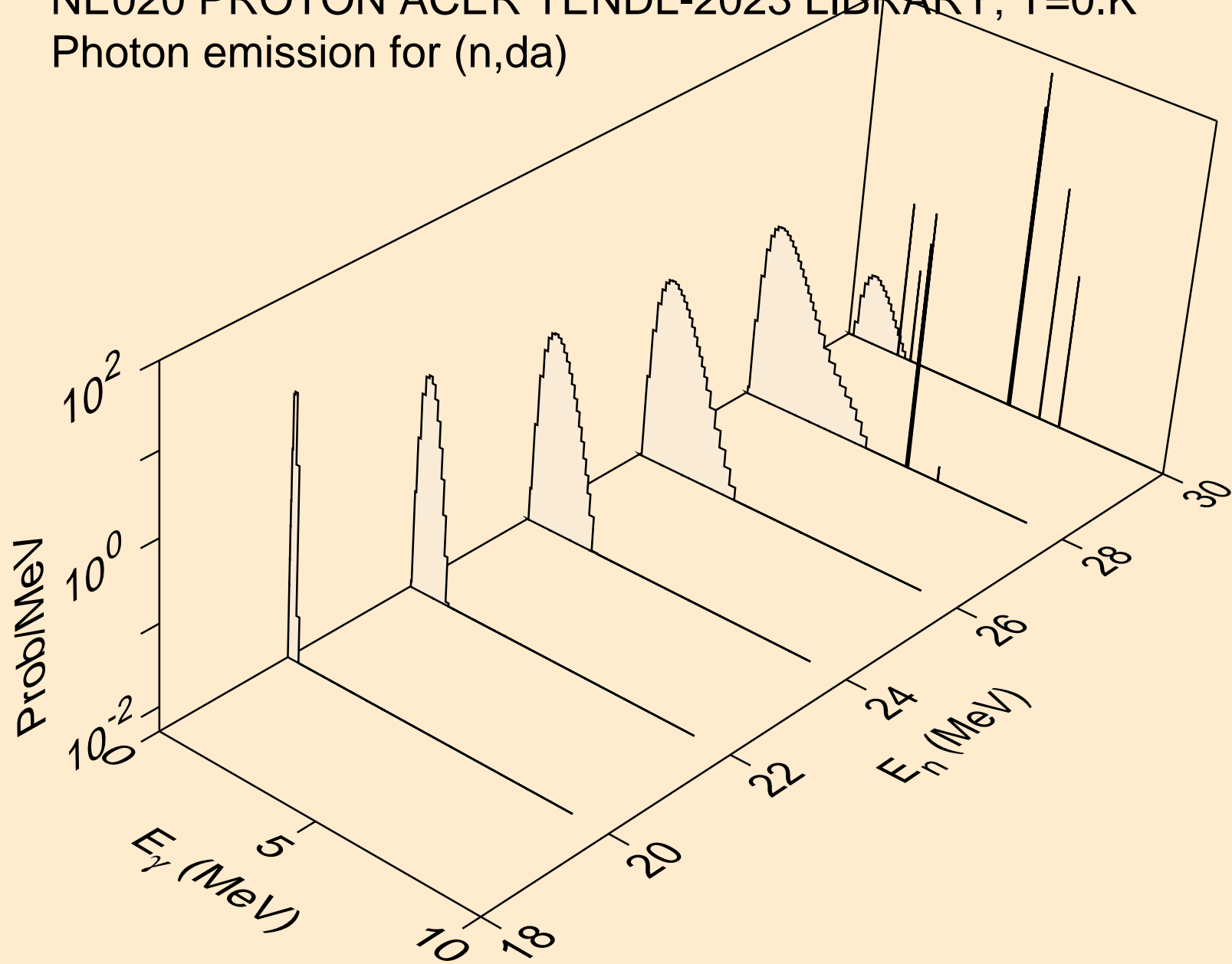
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

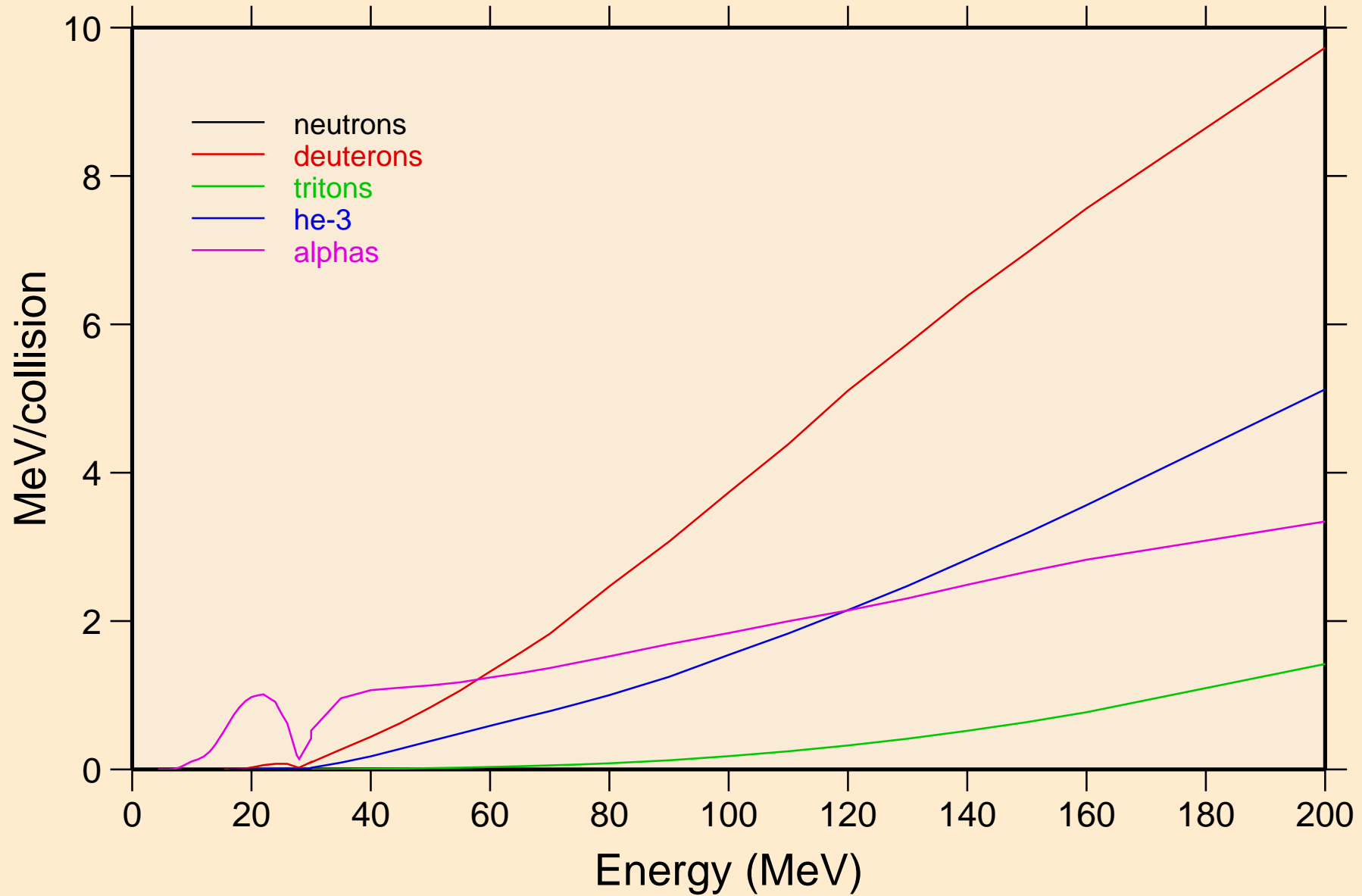


NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)

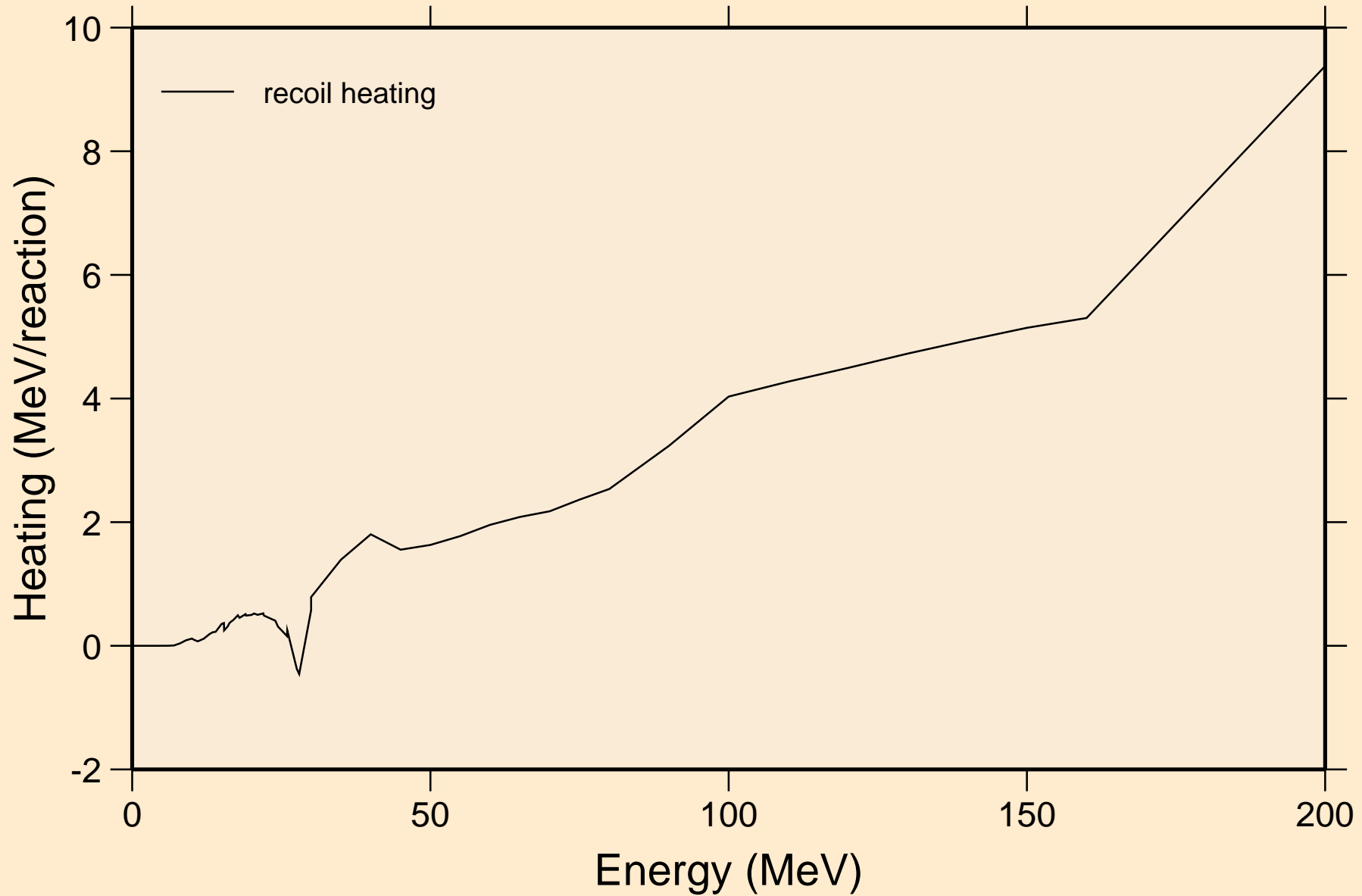


# NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K

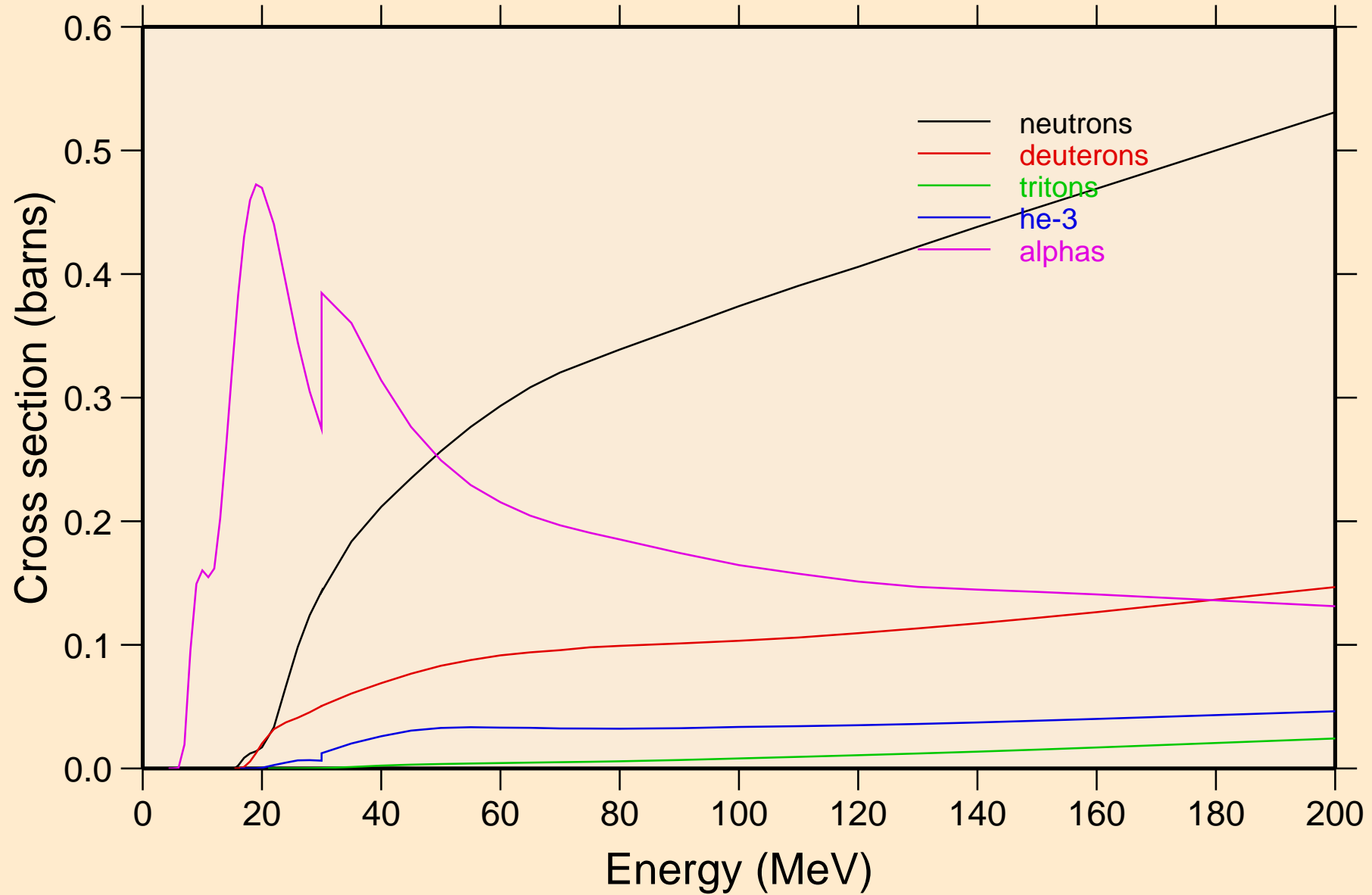
## Particle heating contributions



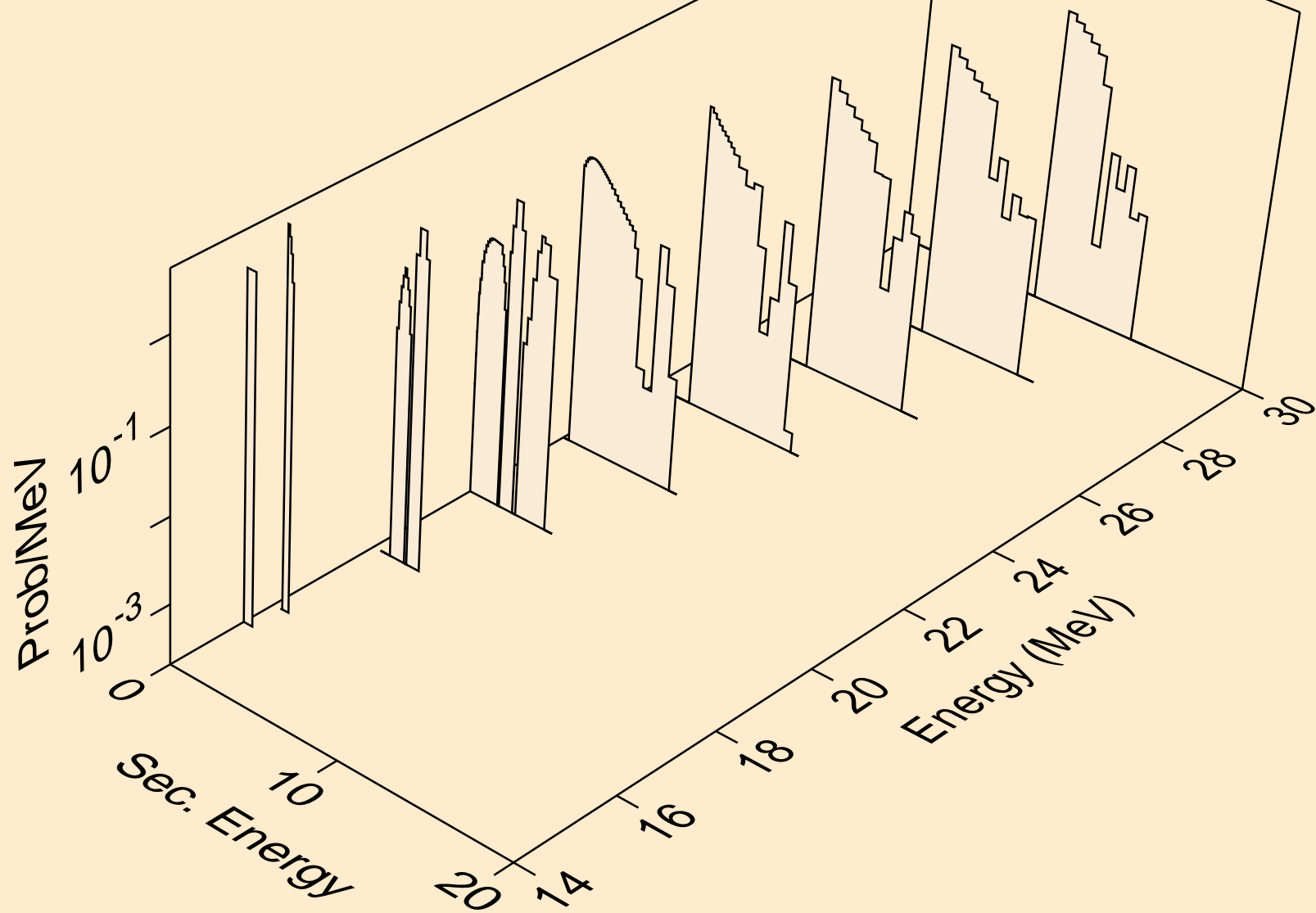
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections

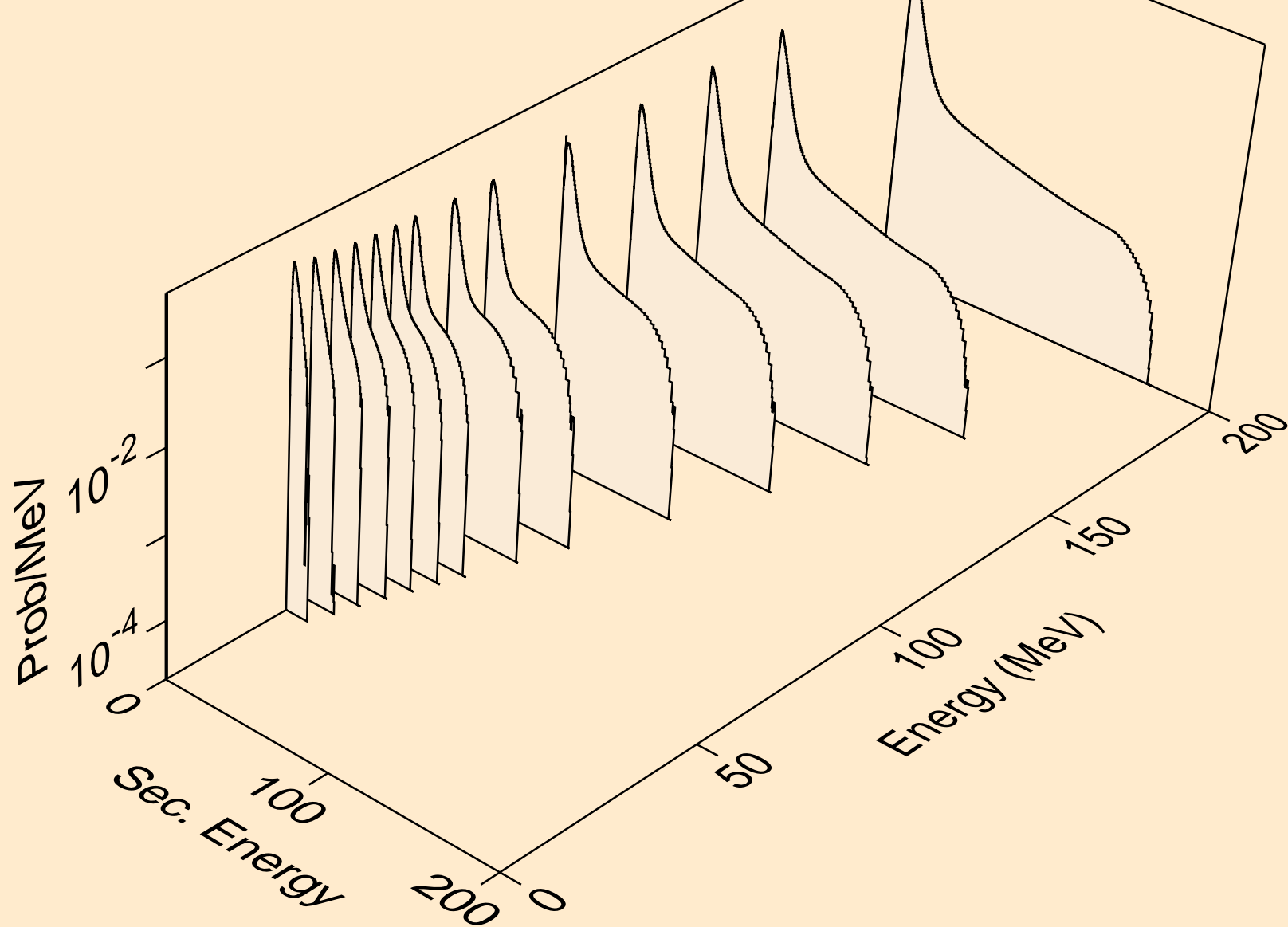


NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)

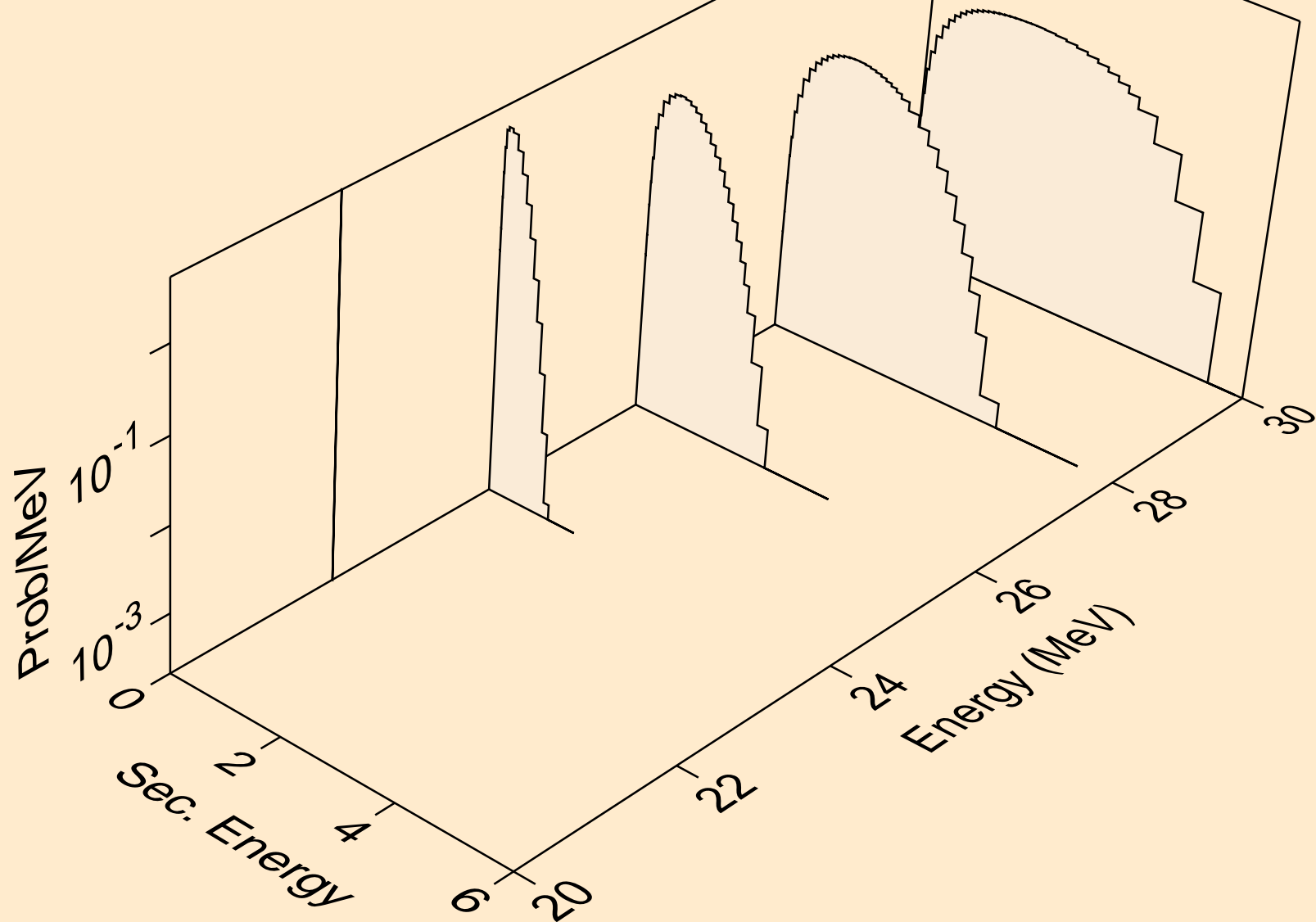




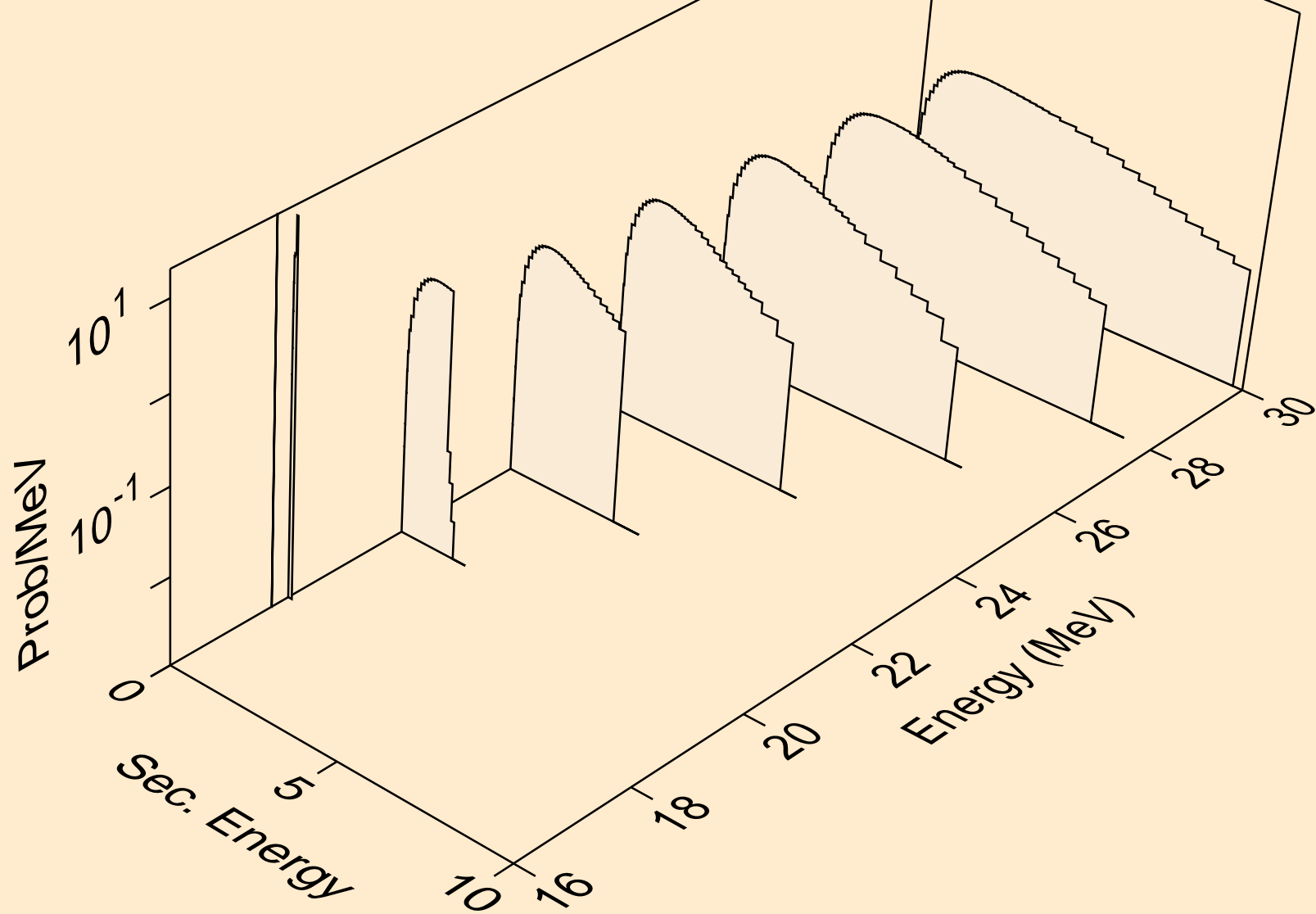
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,x)



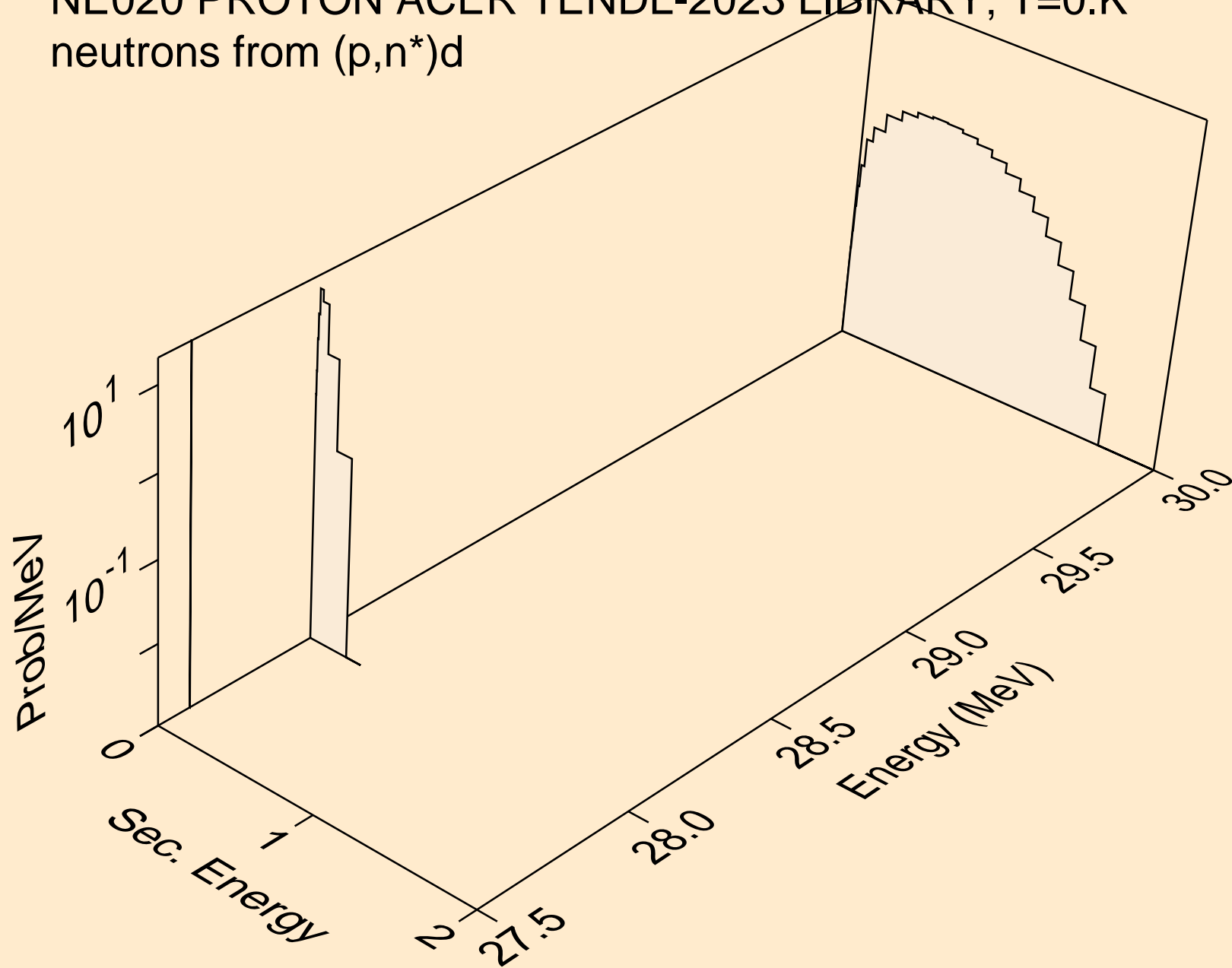
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)a



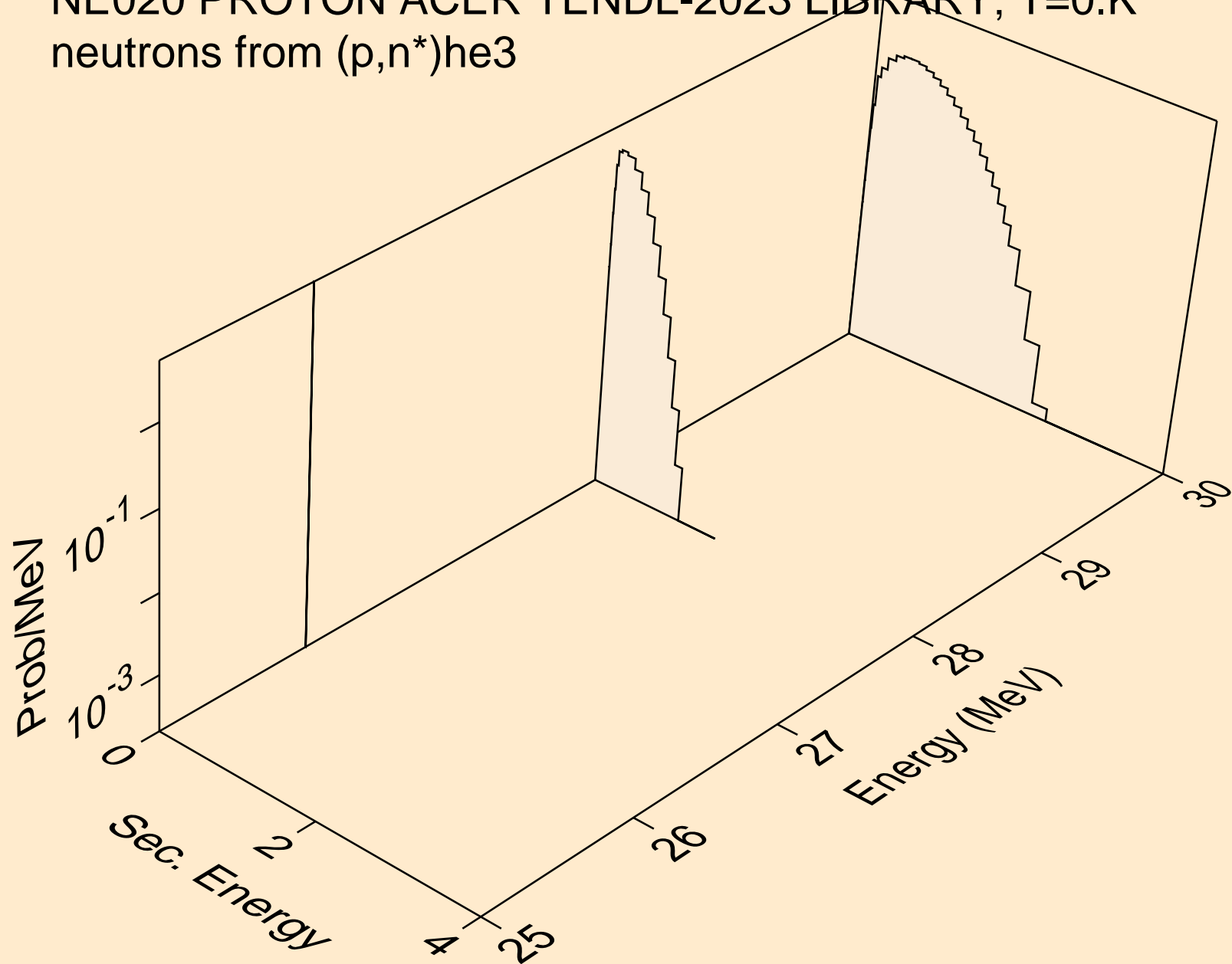
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neutrons from (p,n\*)p



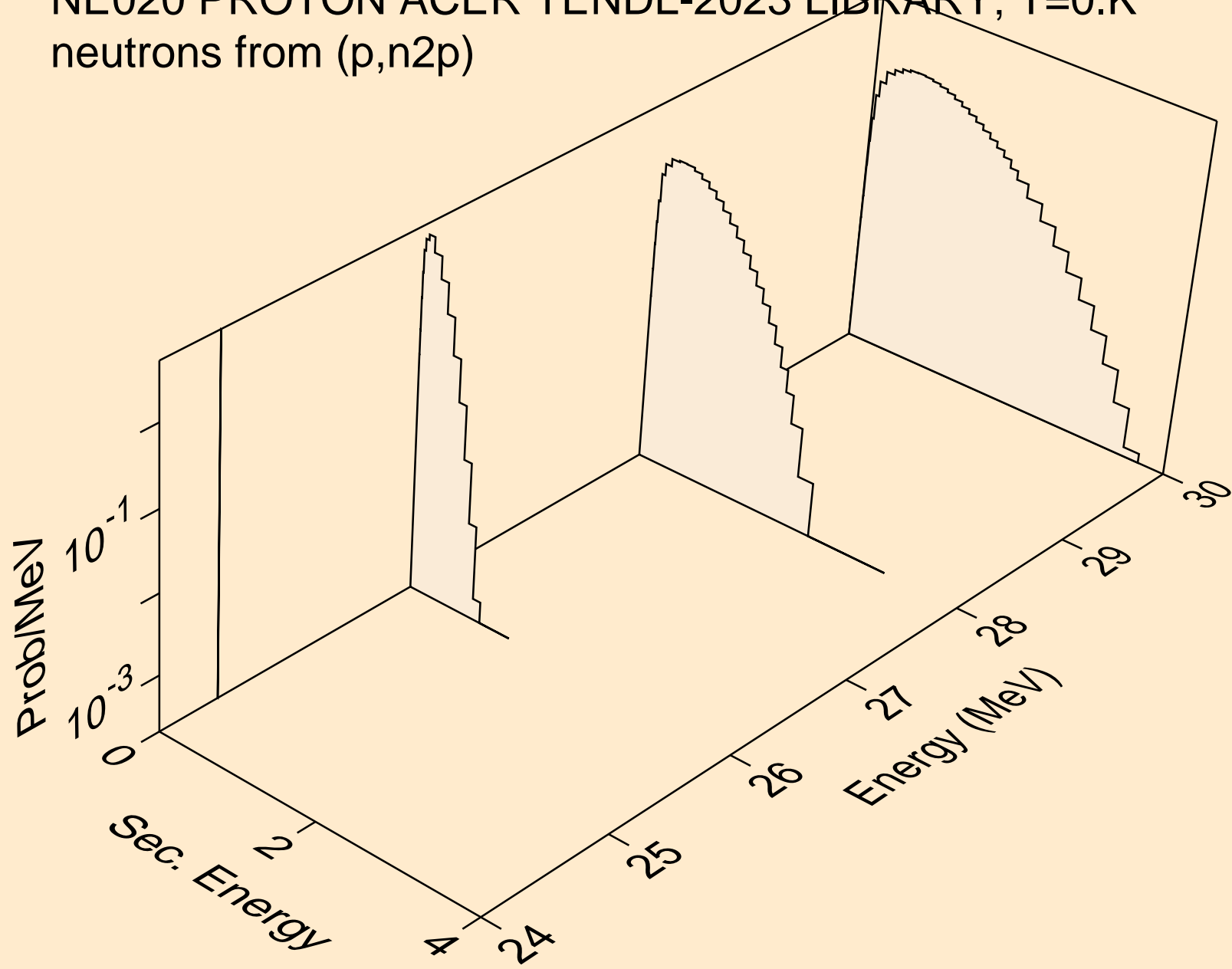
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)d



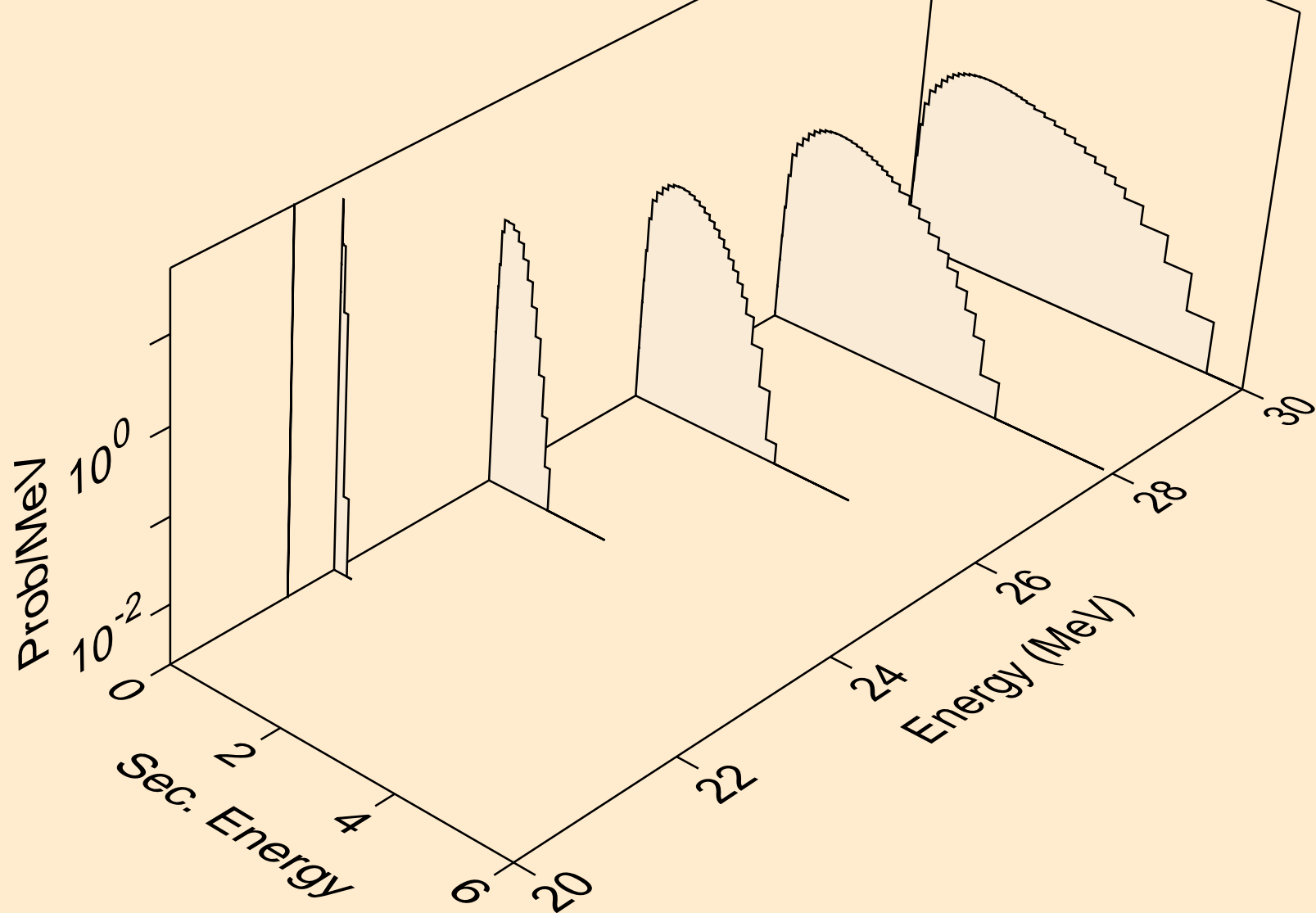
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



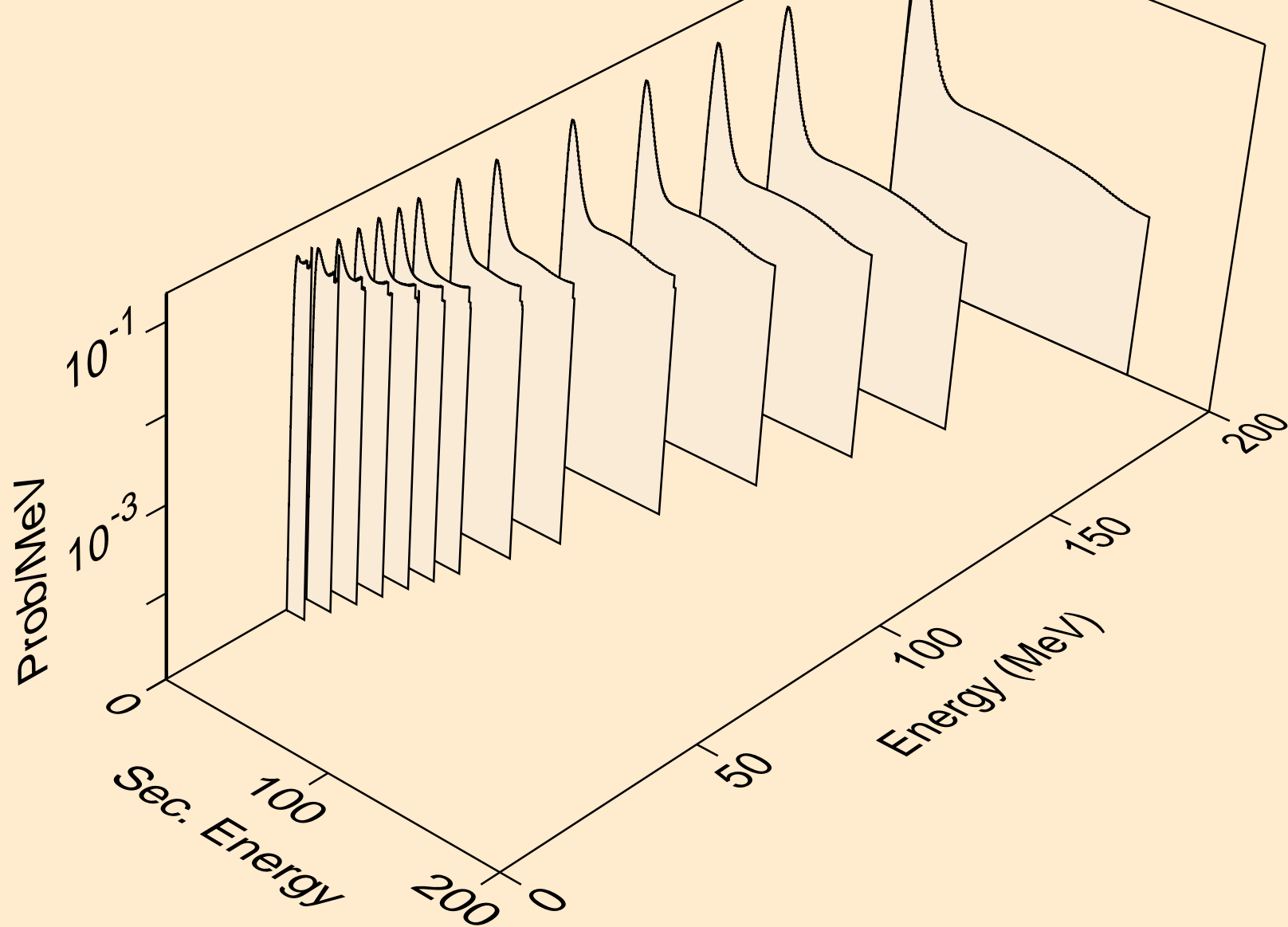
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n2p)



NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,npa)

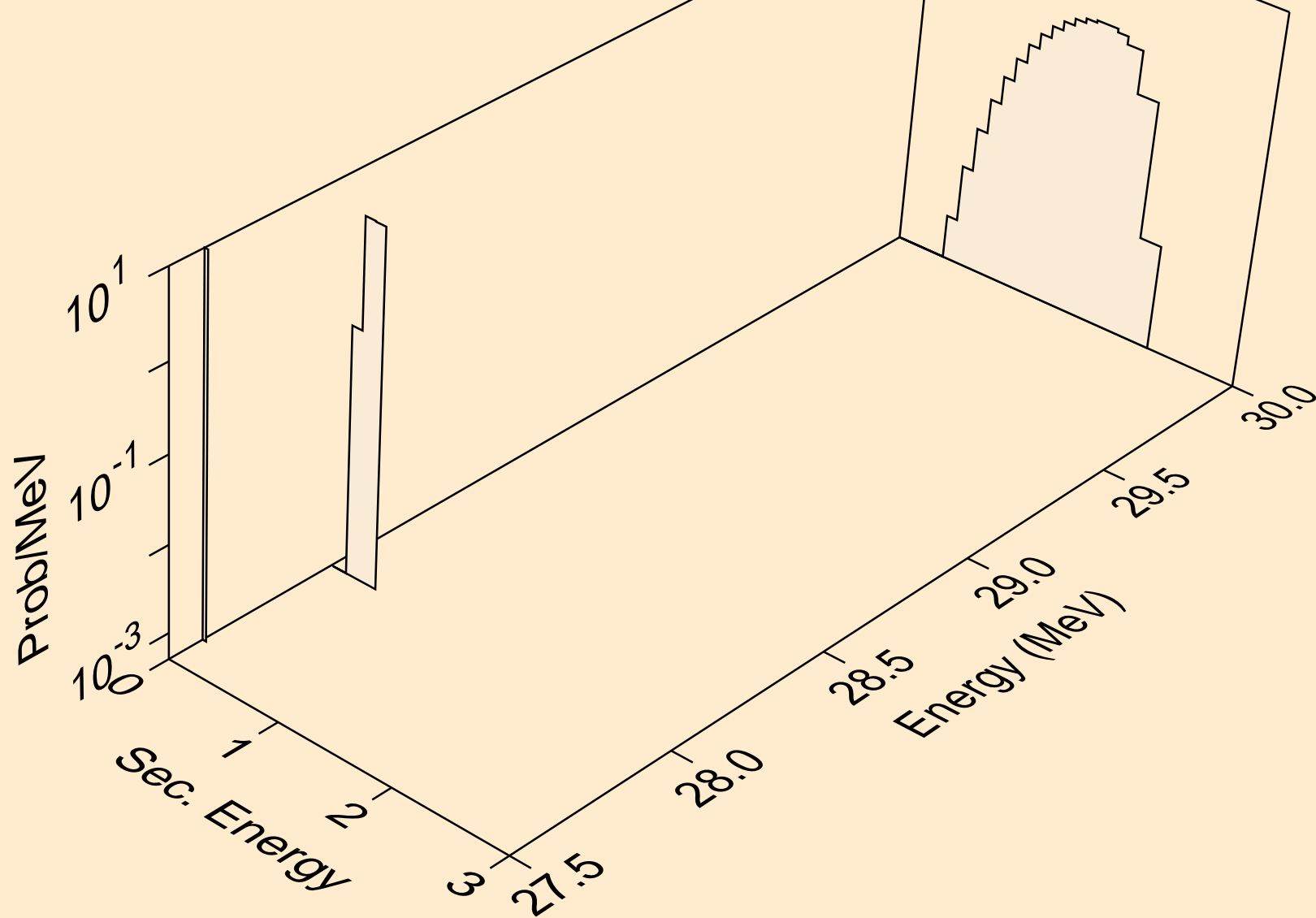


NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,x)

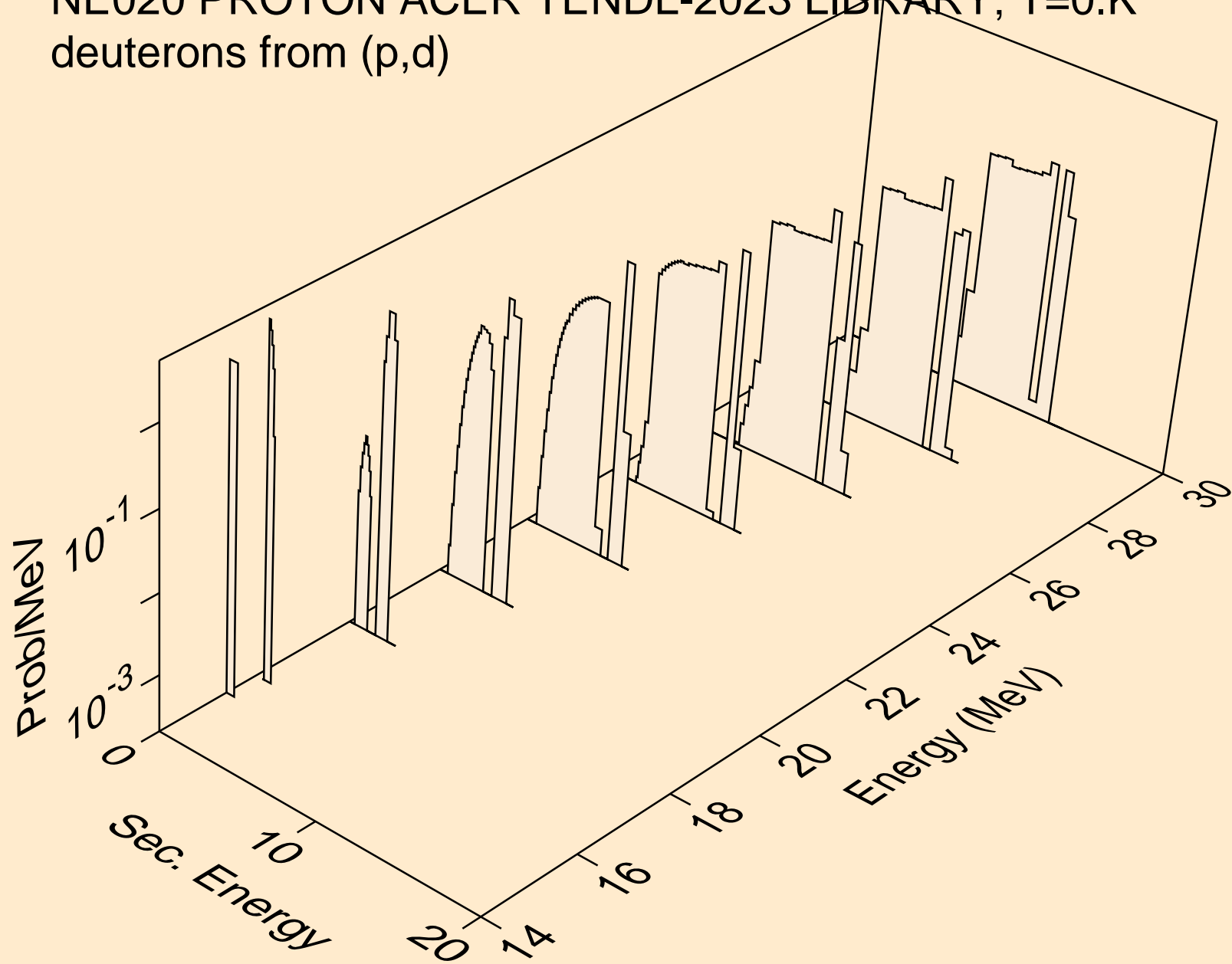




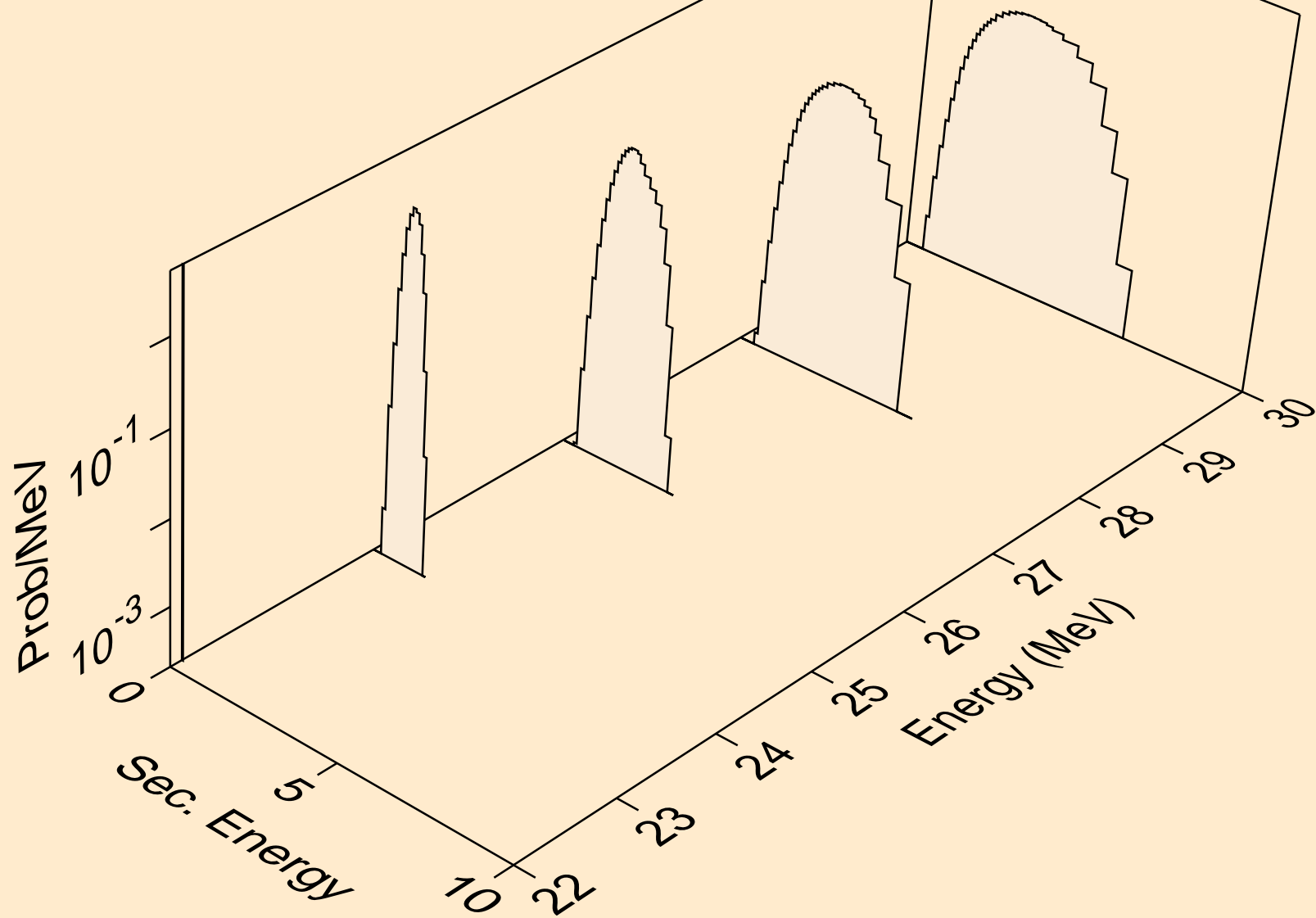
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,n\*)d



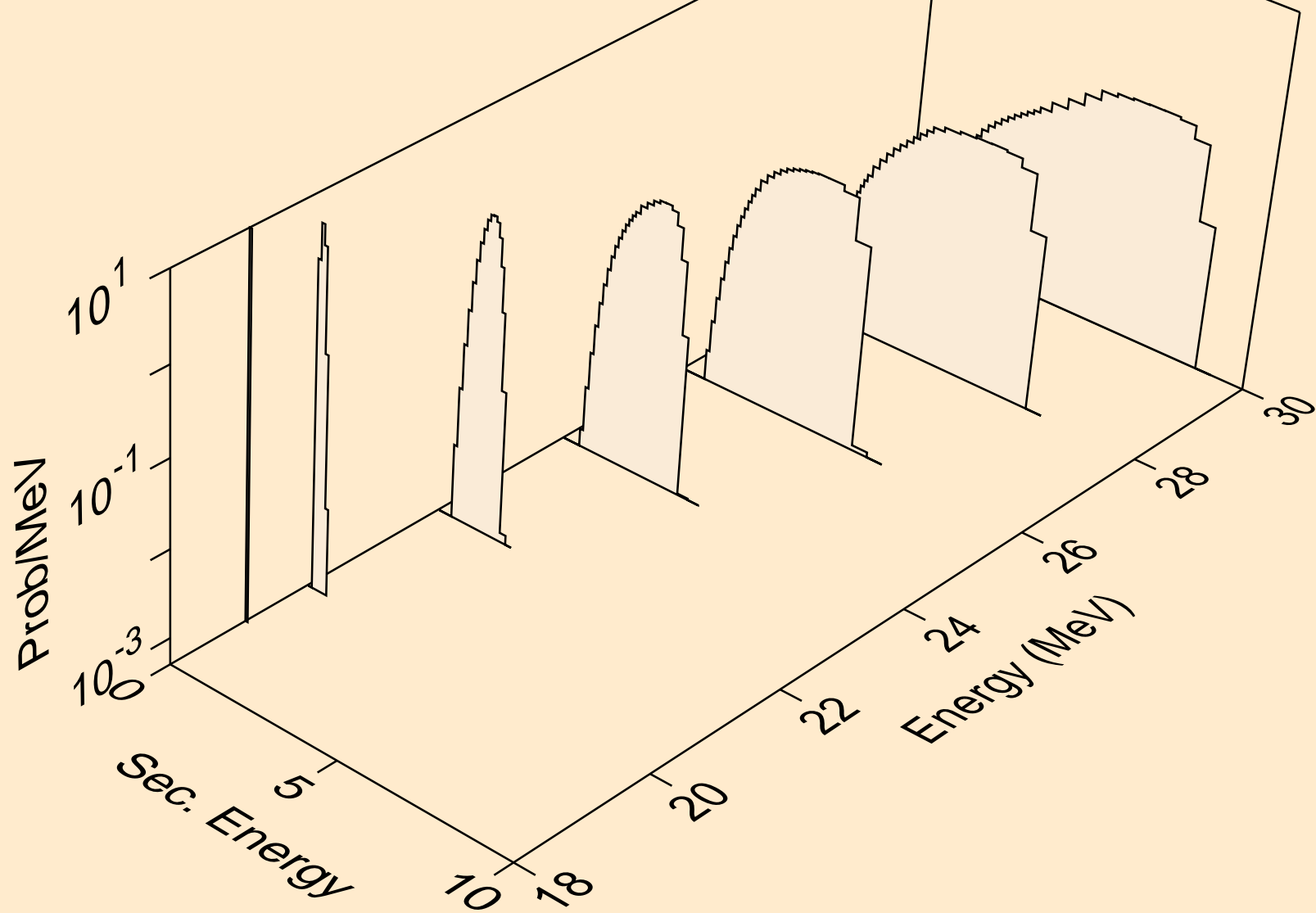
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,d)



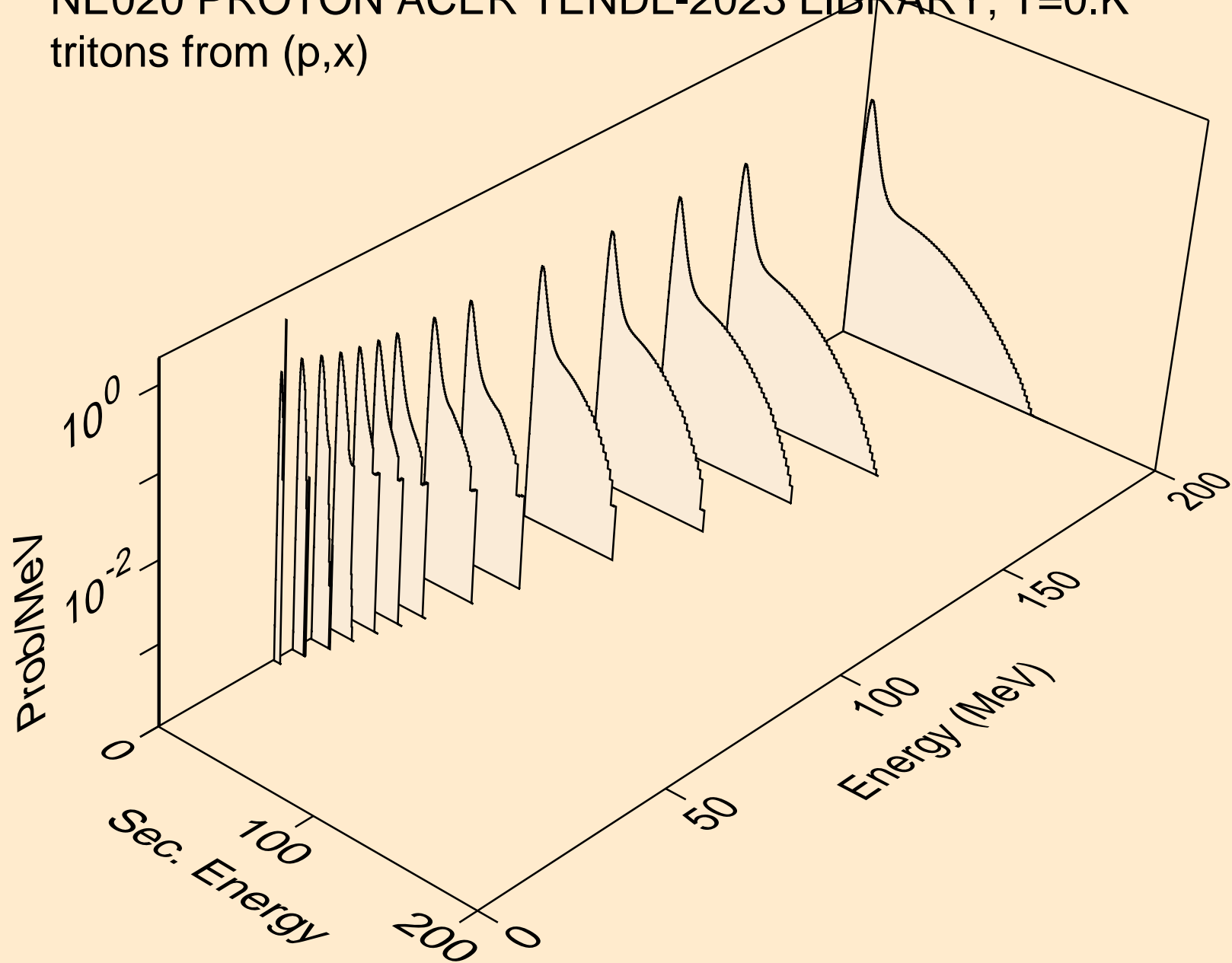
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,pd)



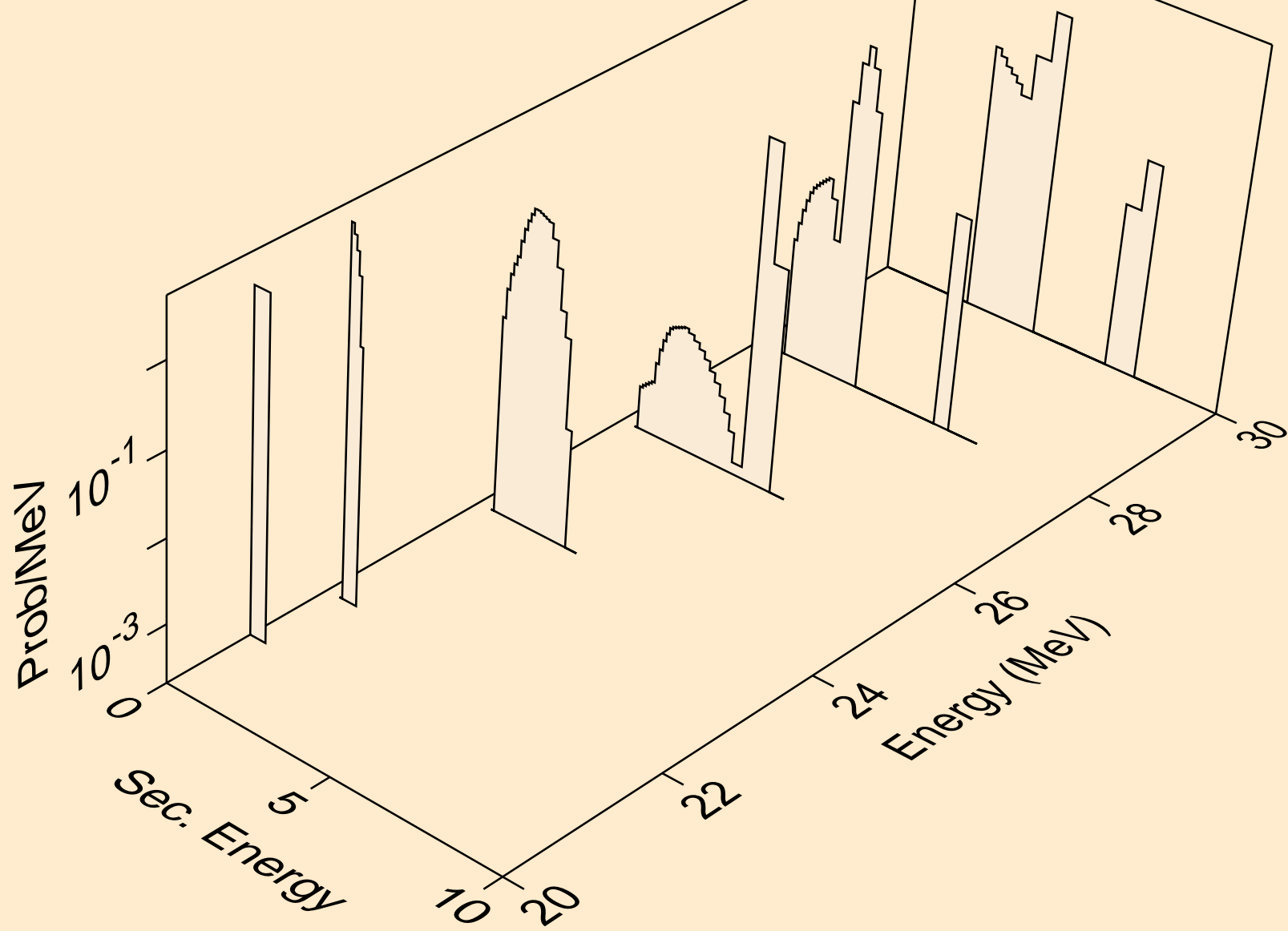
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deuterons from (p,da)



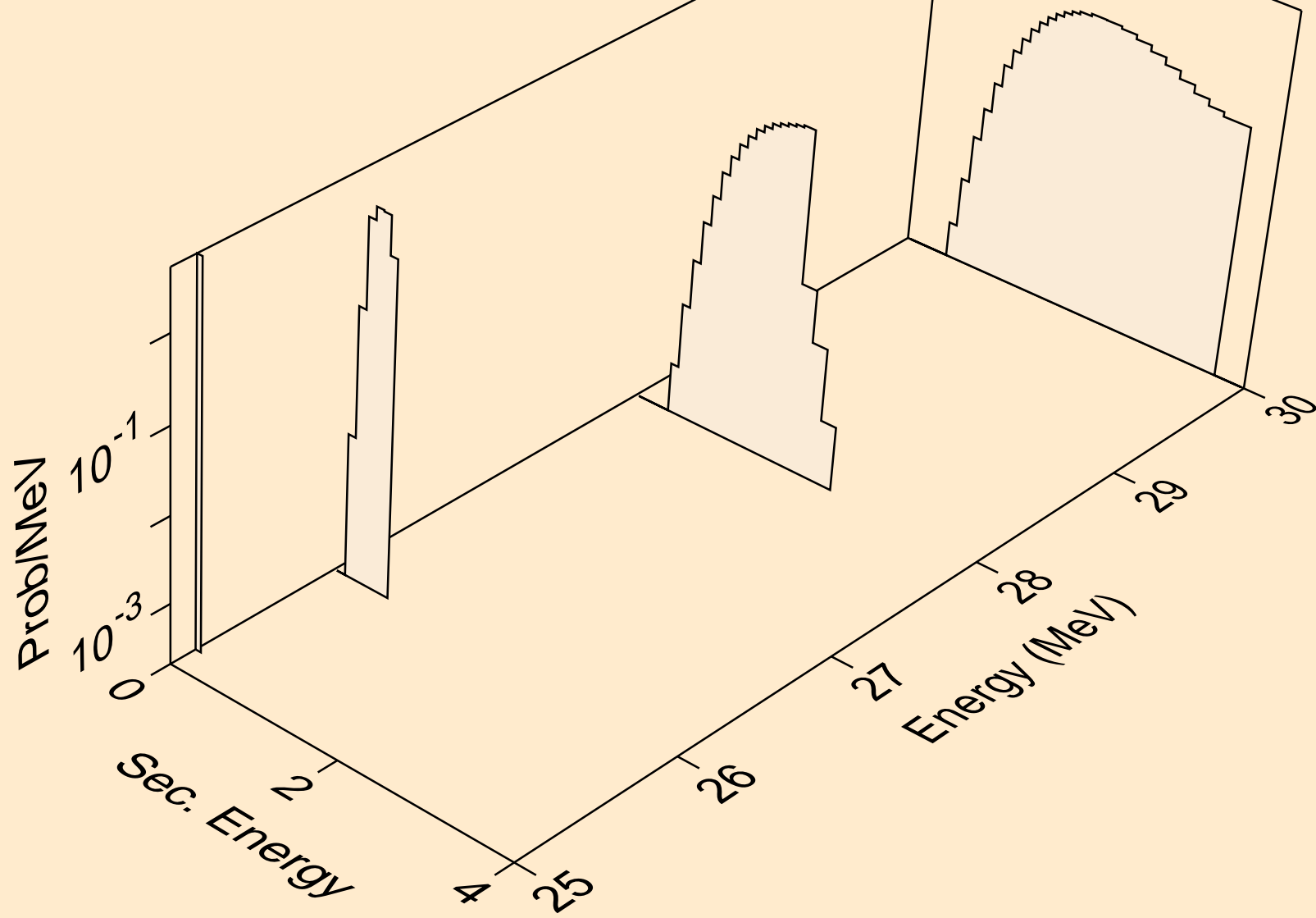
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,x)



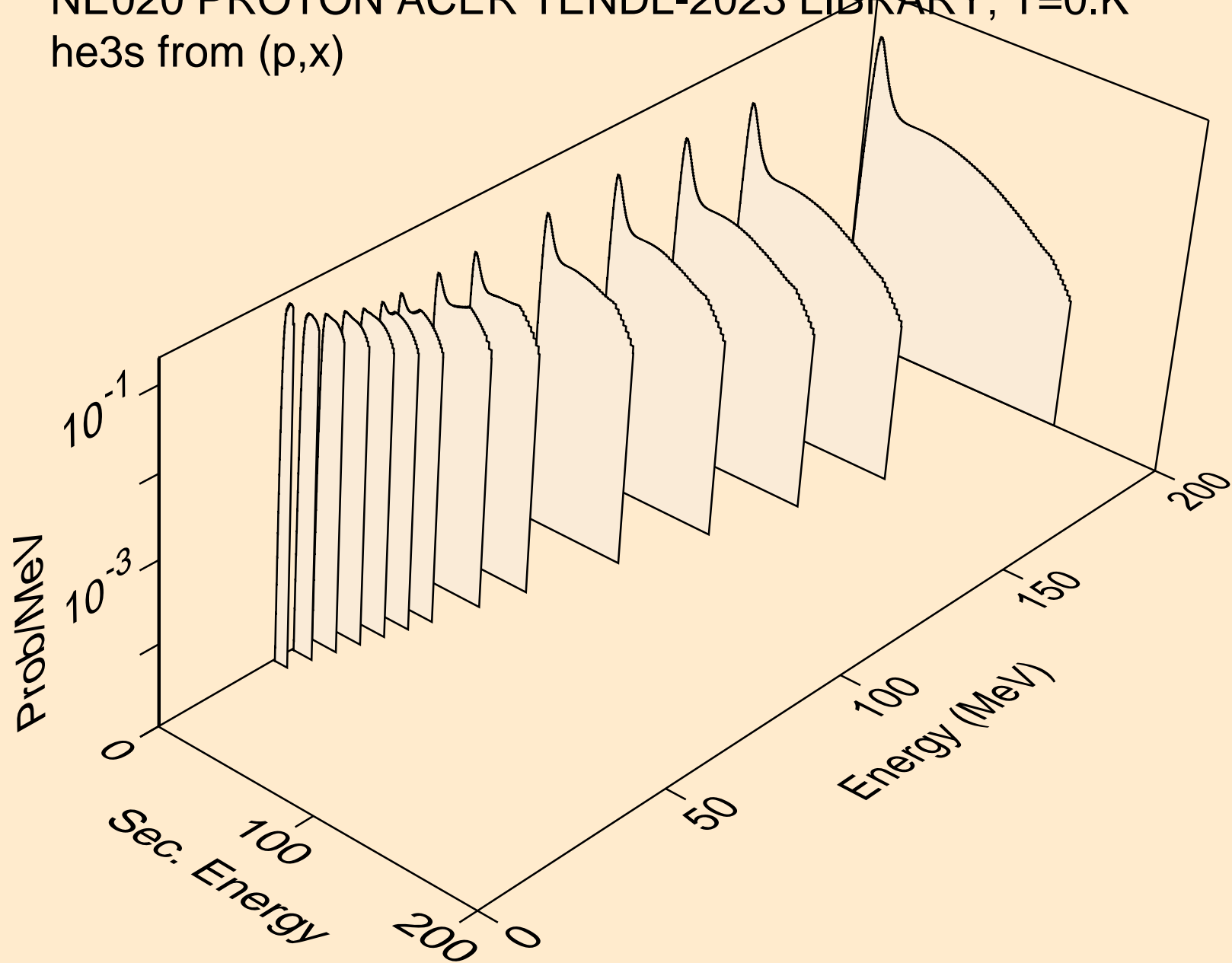
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,t)



NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,pt)

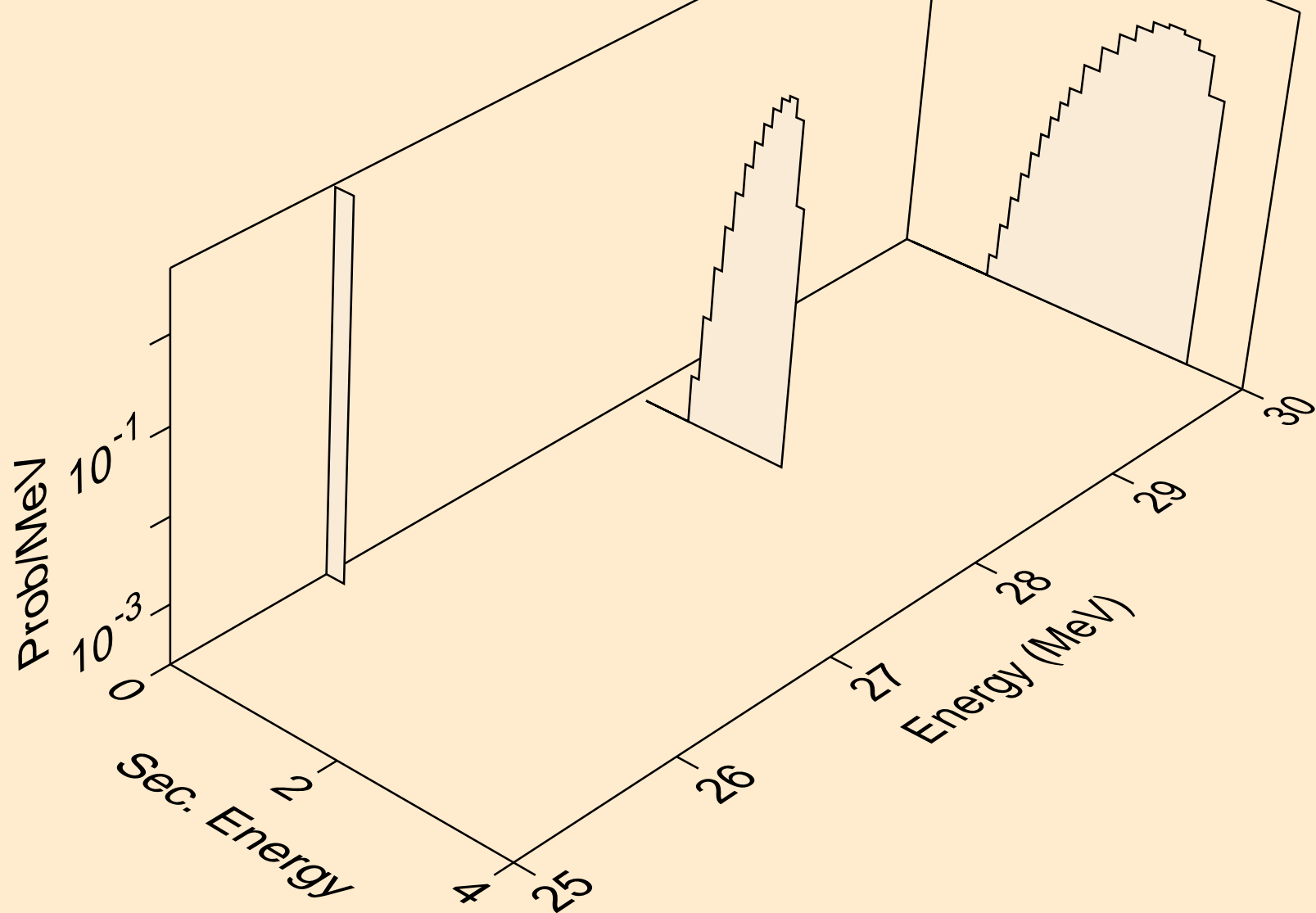


NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
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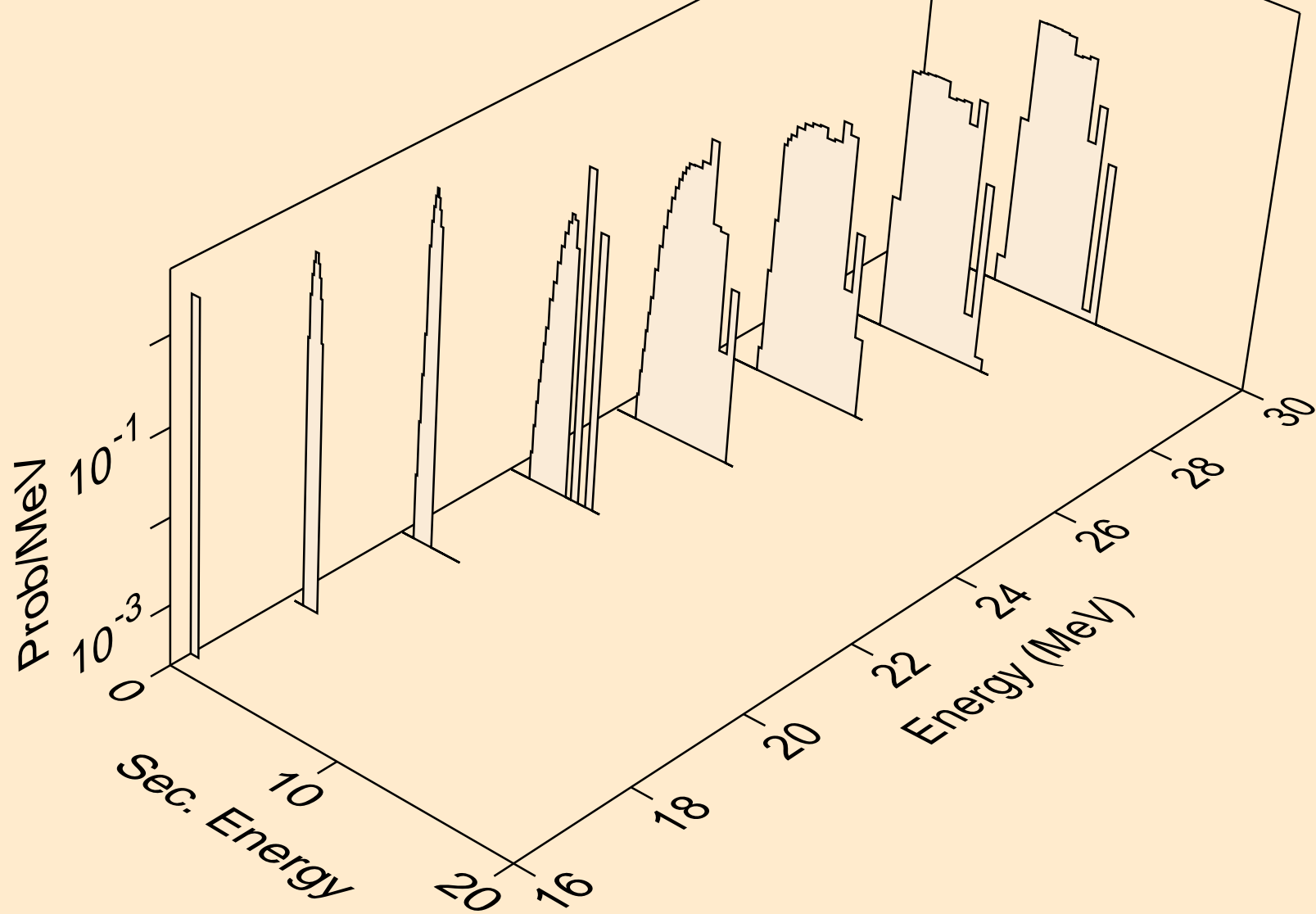




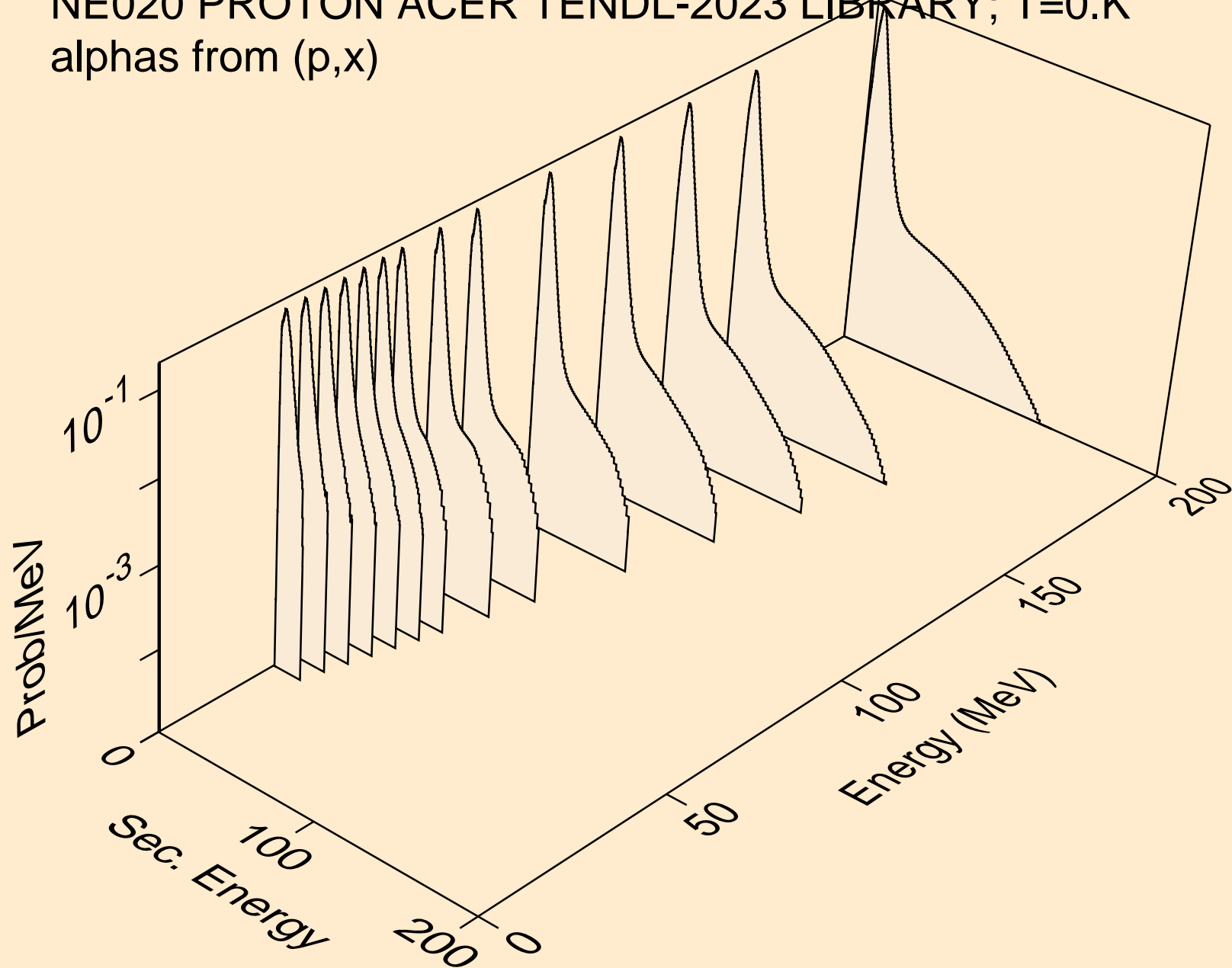
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,n\*)he3



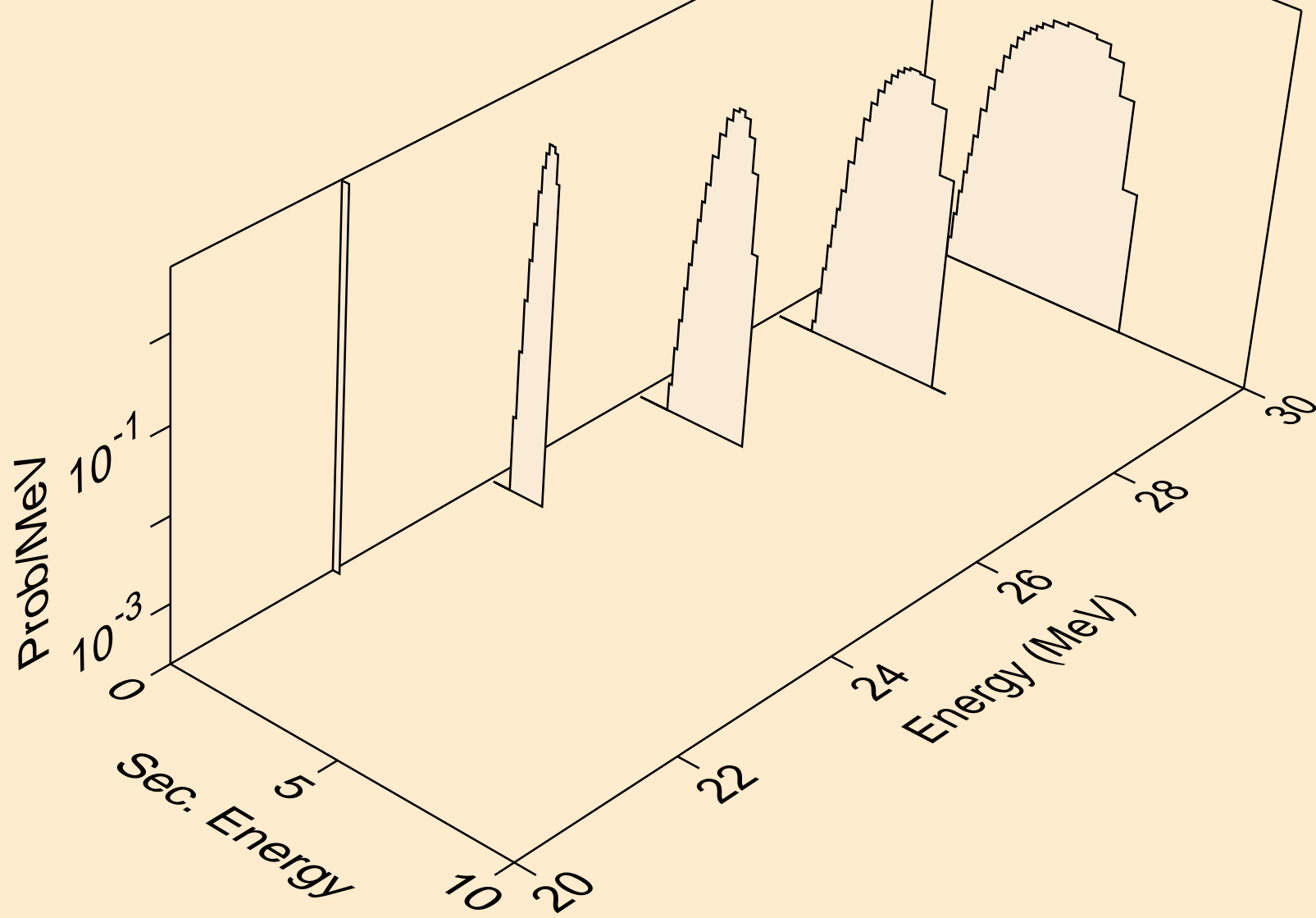
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he3s from (p,he3)



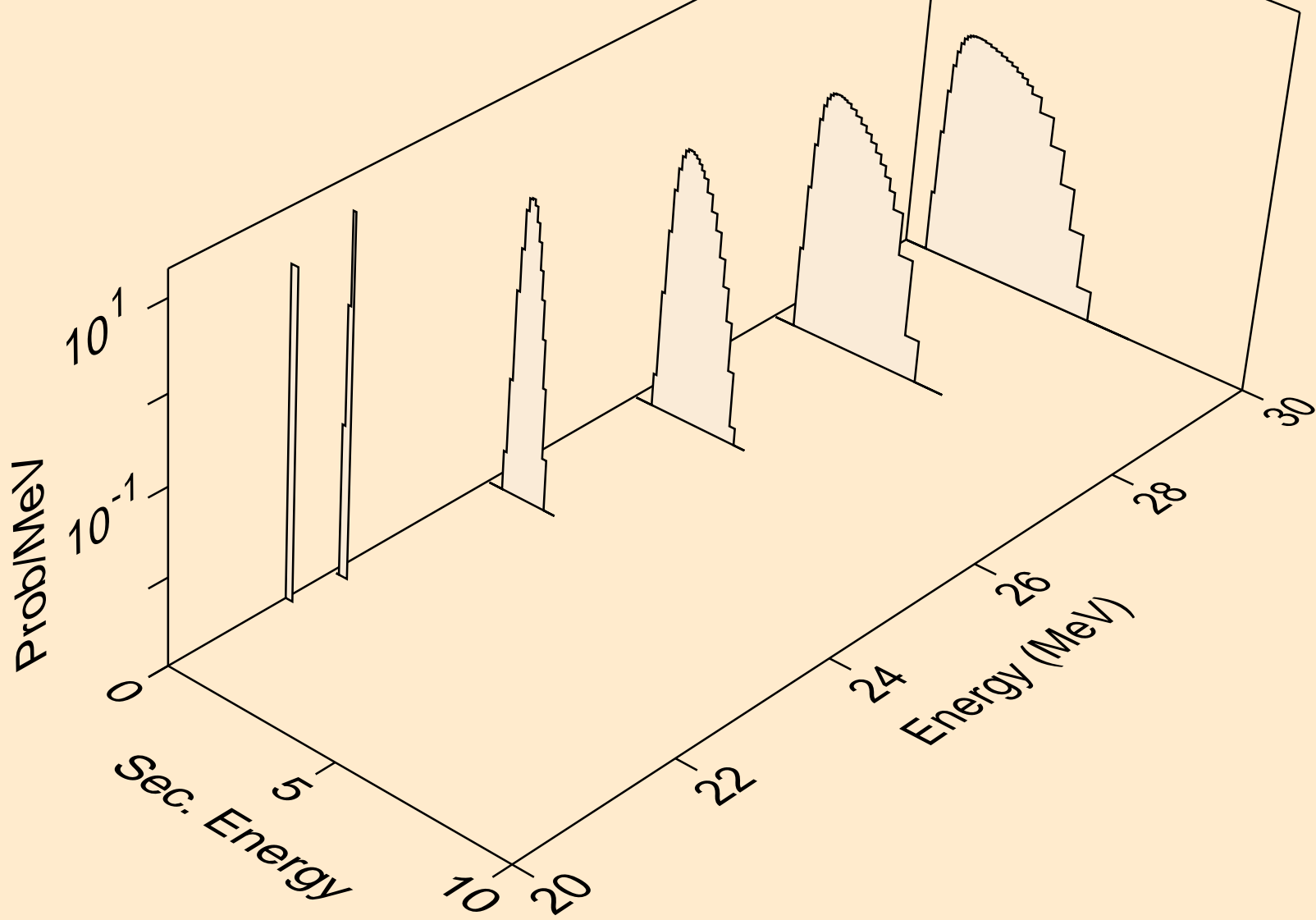
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)



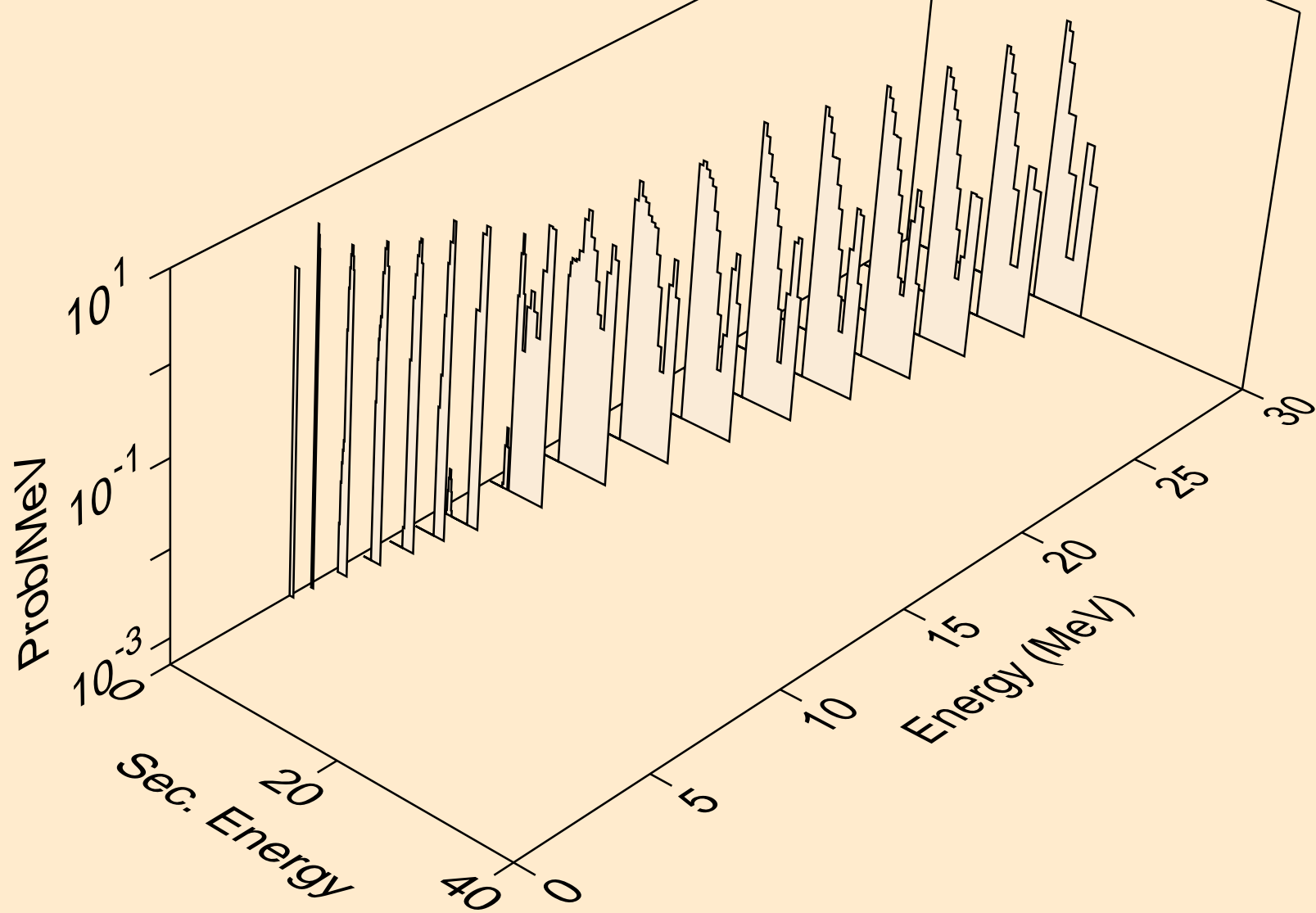
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a



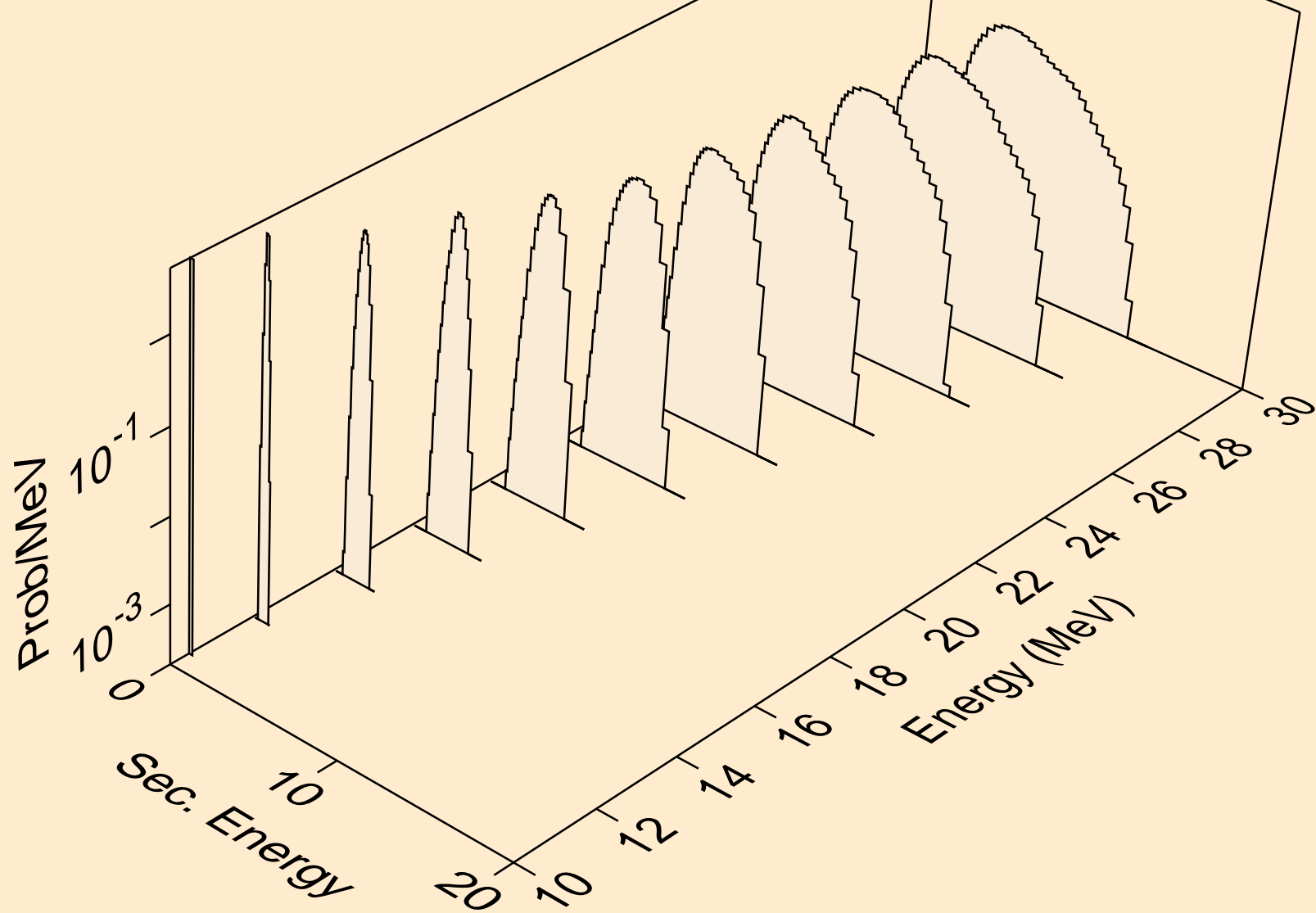
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,npa)



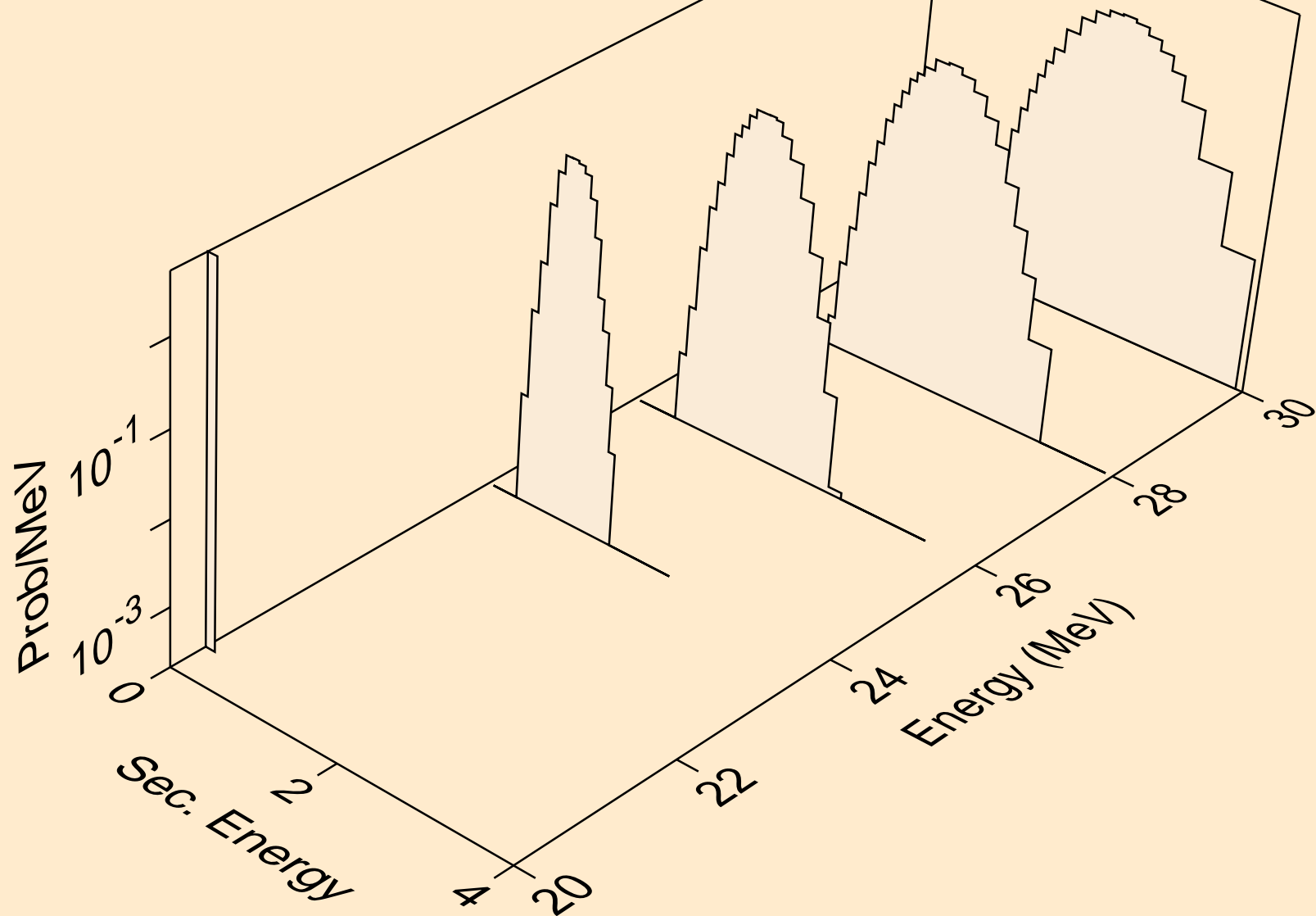
NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,a)



NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2a)

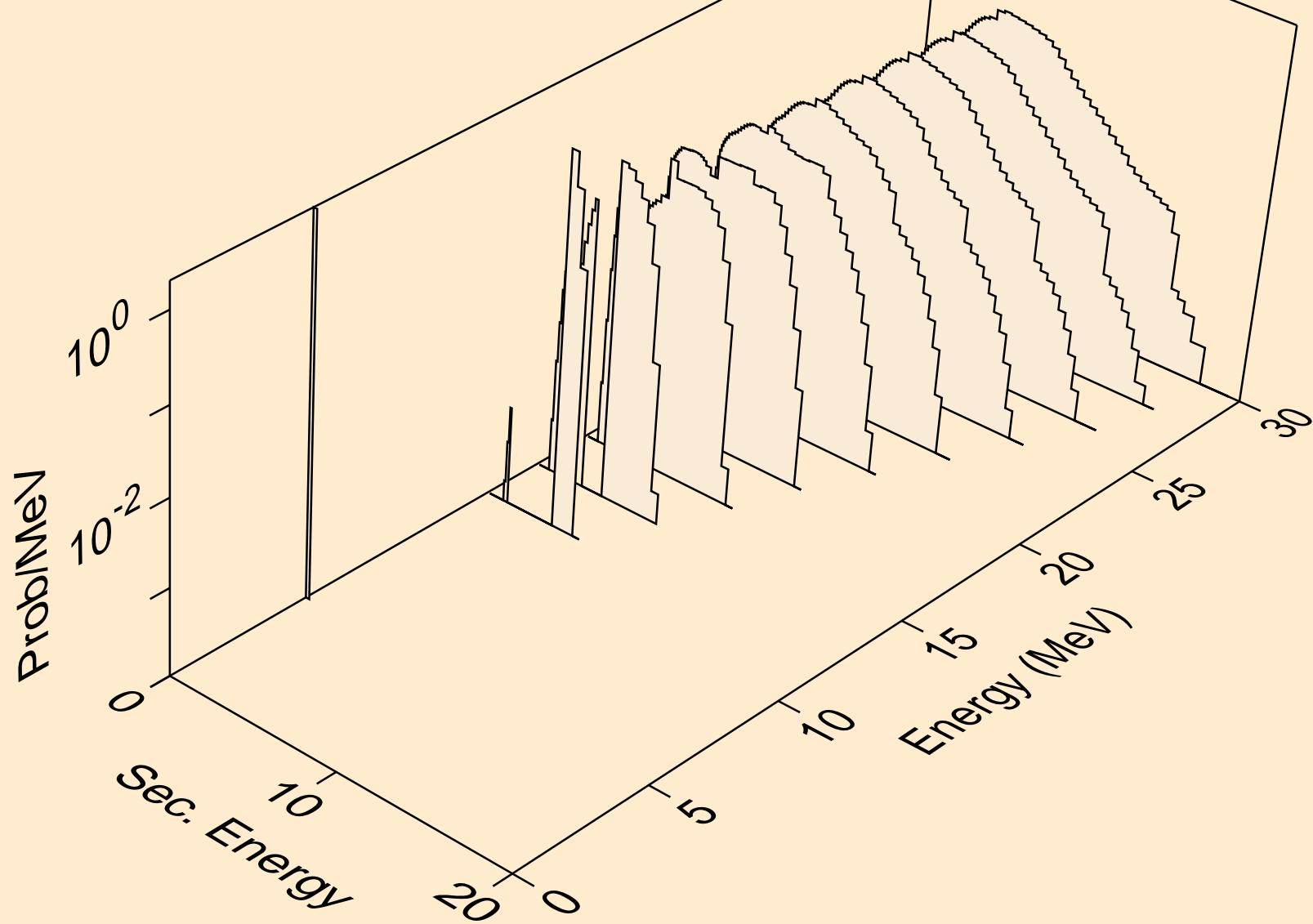


NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,3a)





NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,pa)



NE020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,da)

