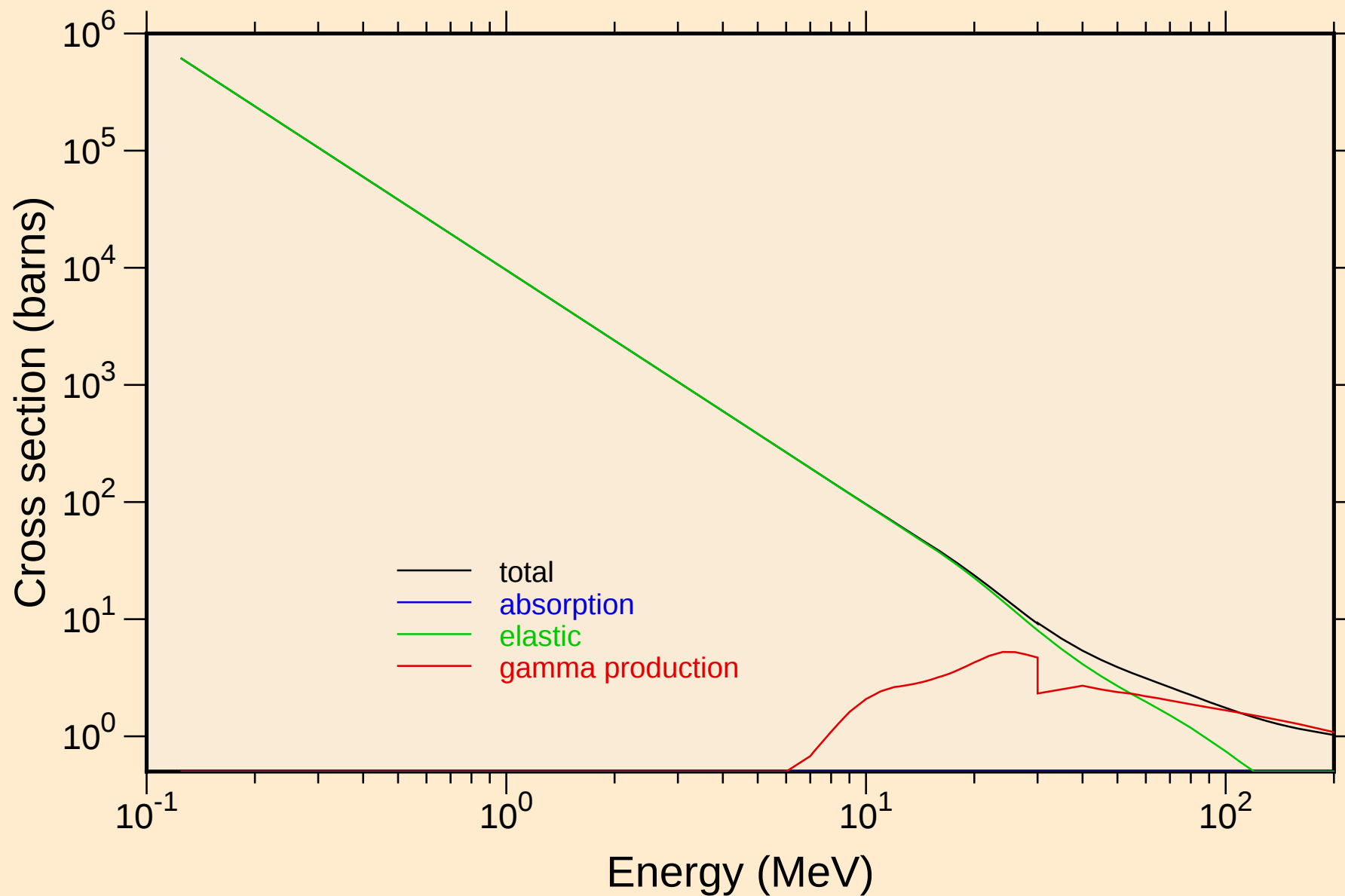


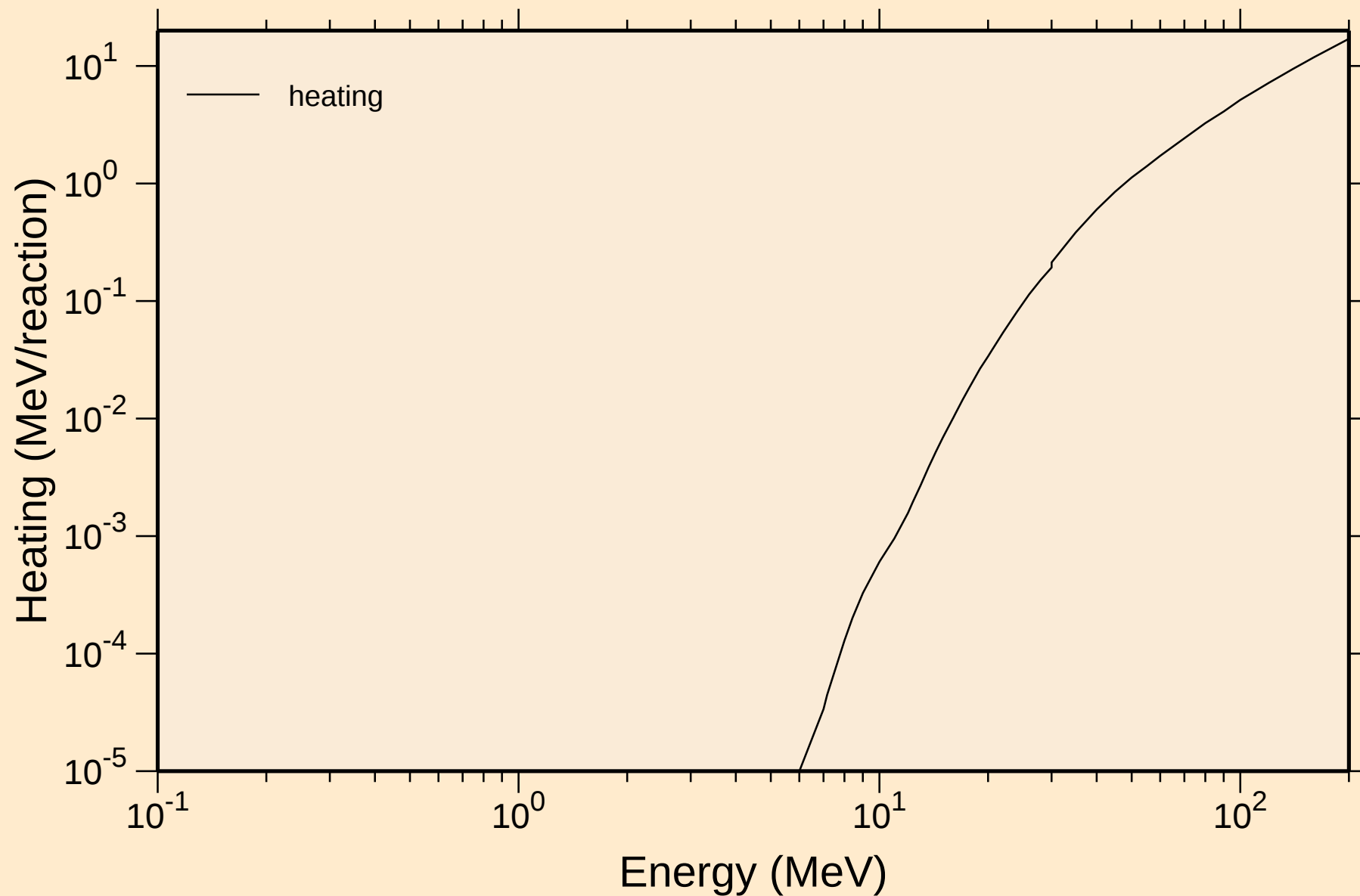
# Y083 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



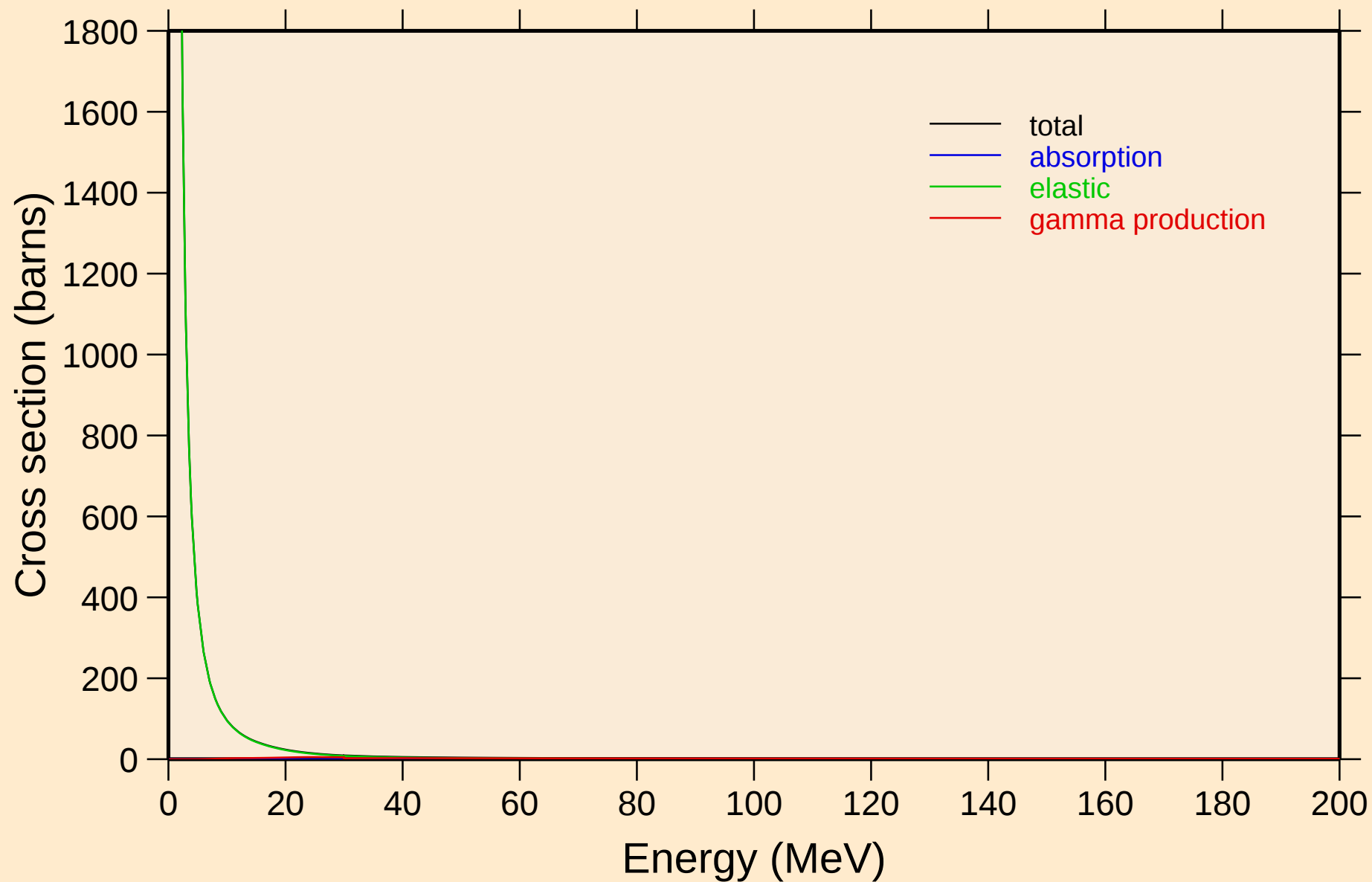
# Y083 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Heating



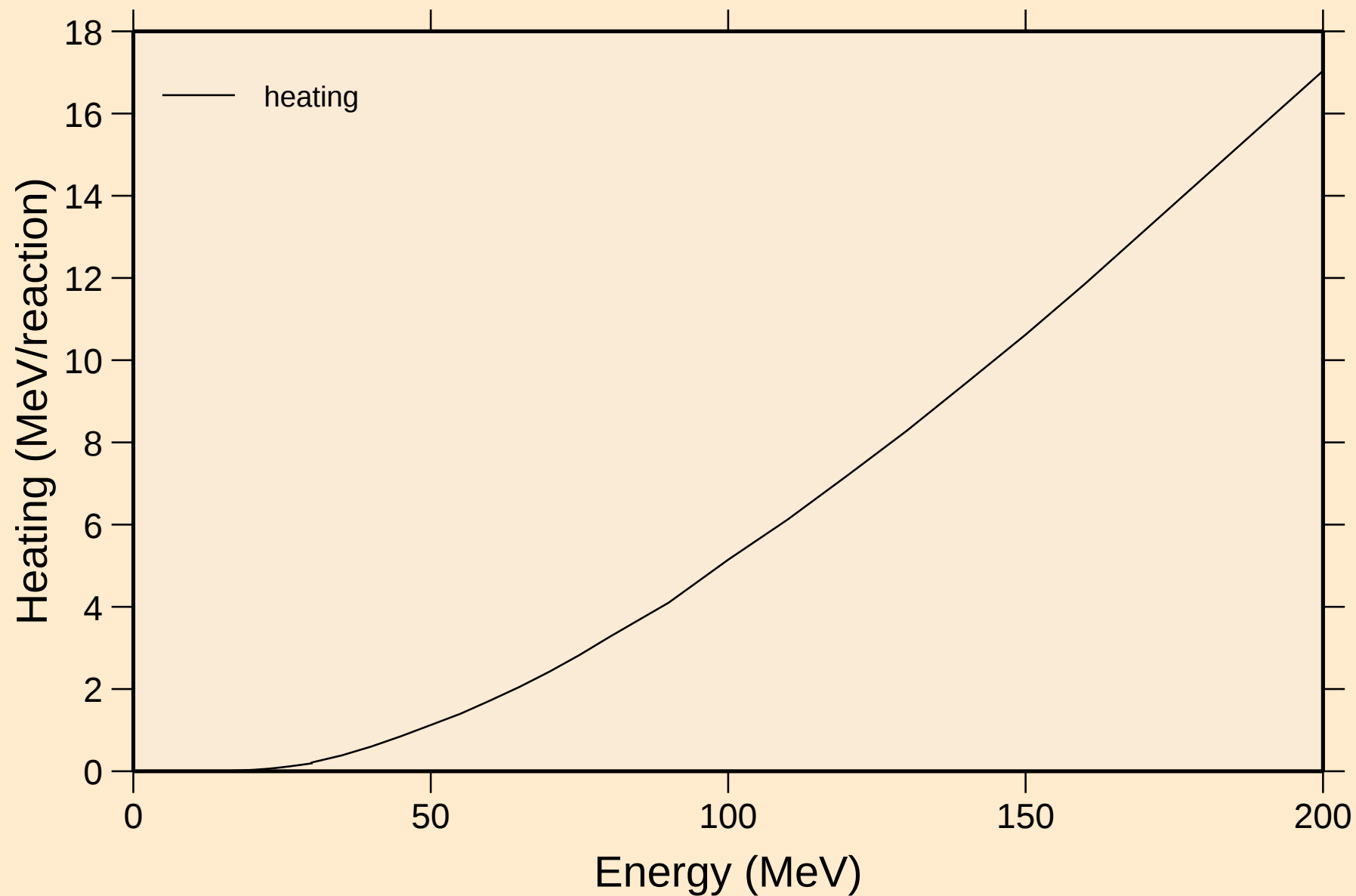
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## Principal cross sections



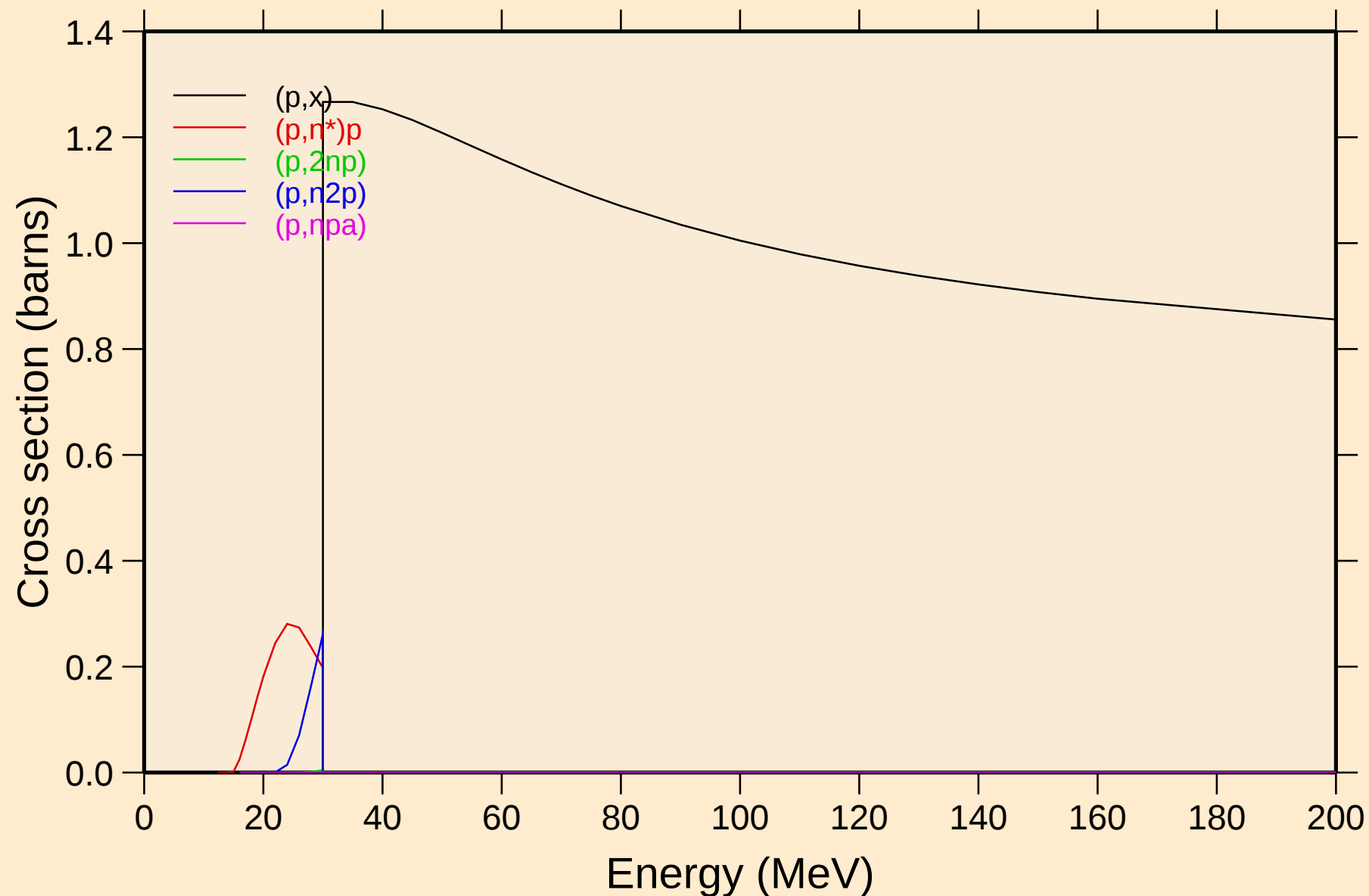
# Y083 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Heating



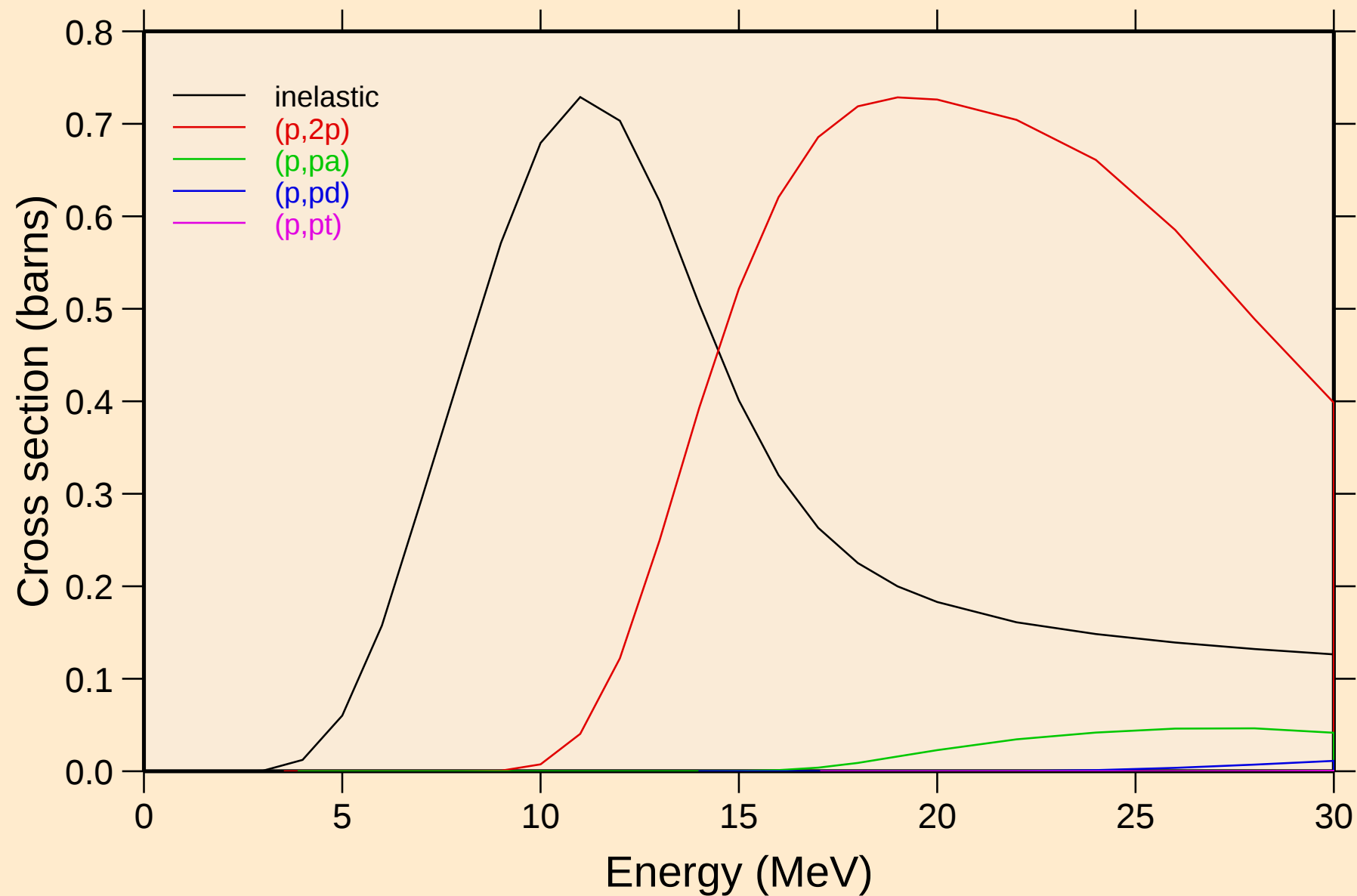
# Y083 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions



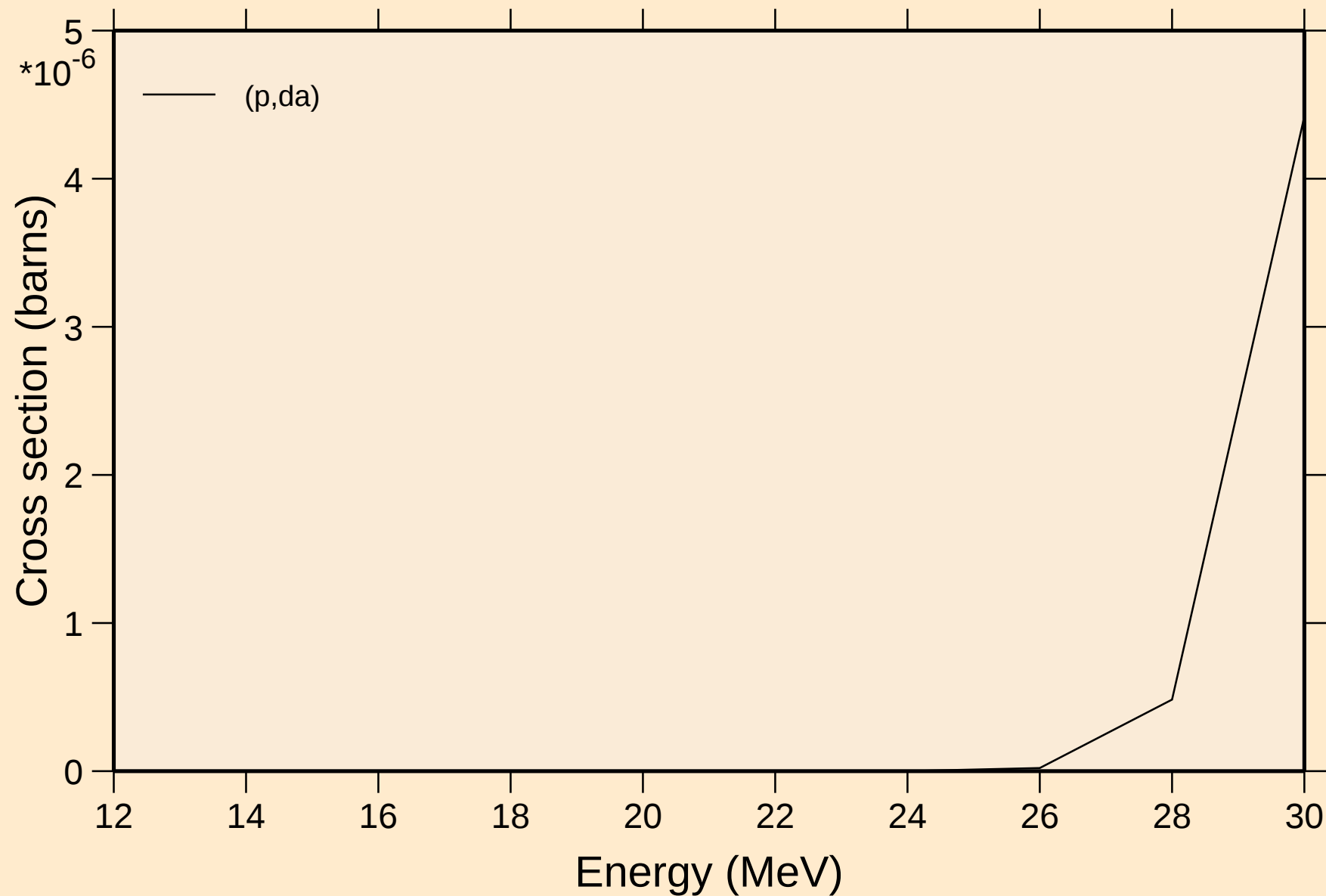
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## Threshold reactions

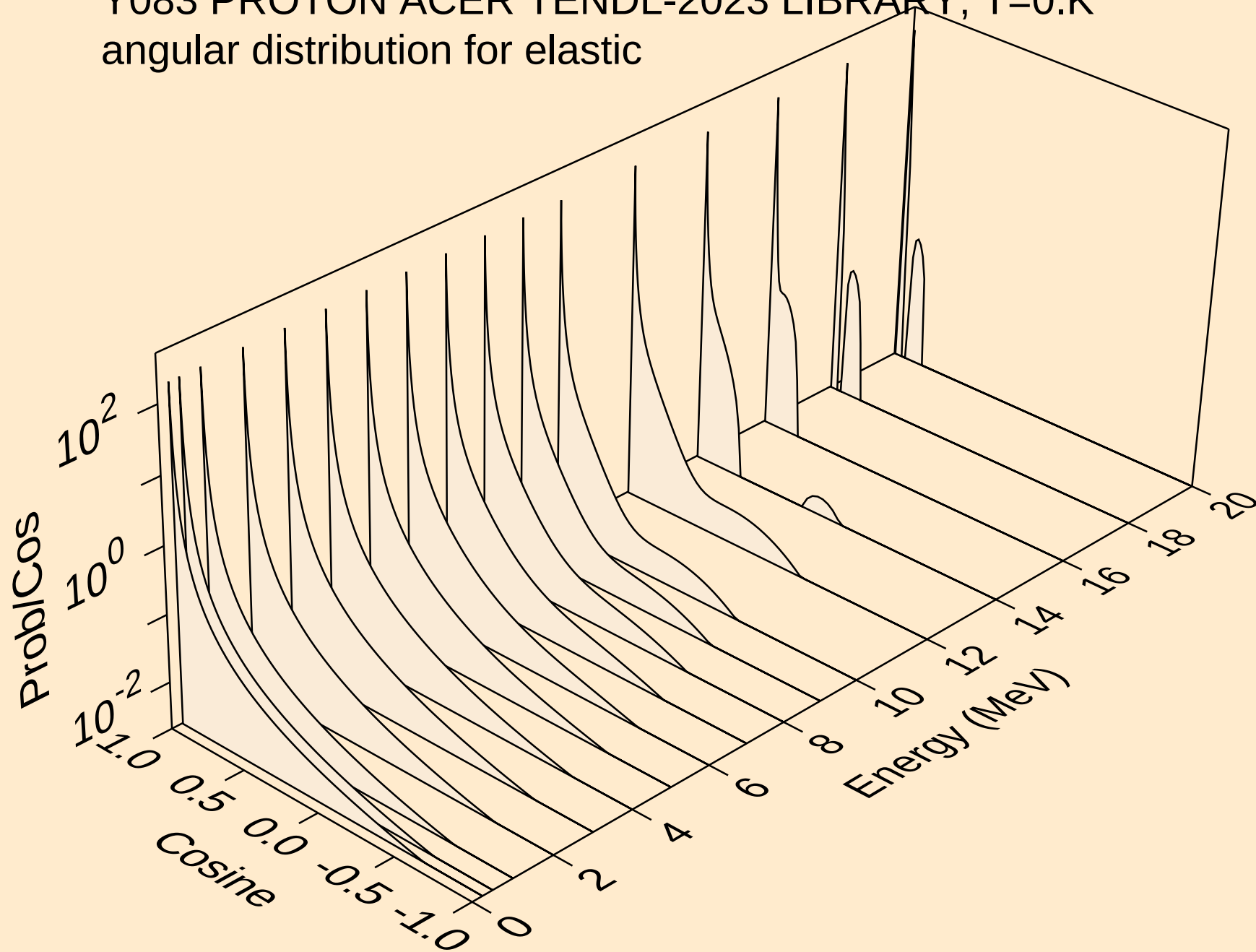


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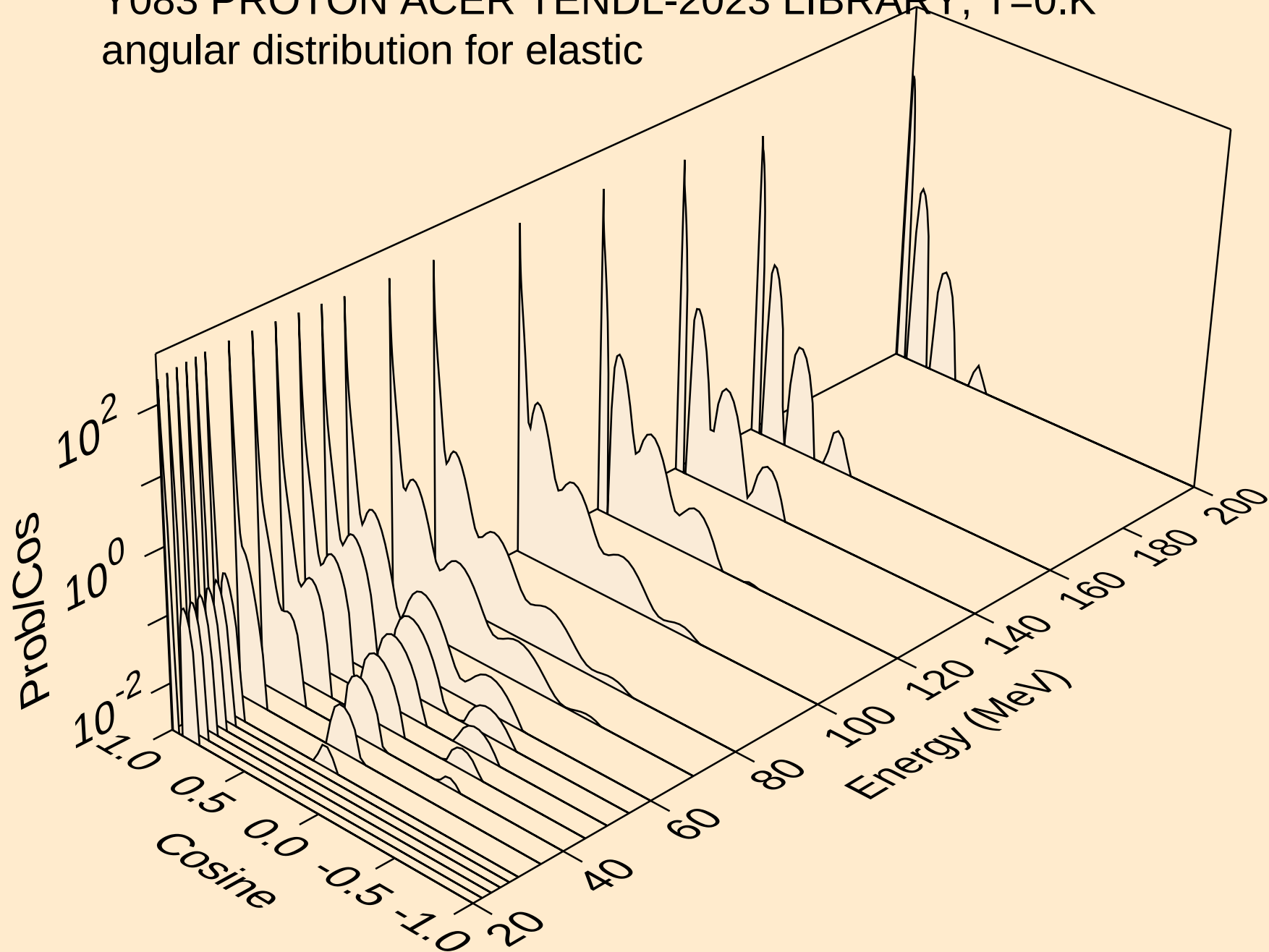
Threshold reactions



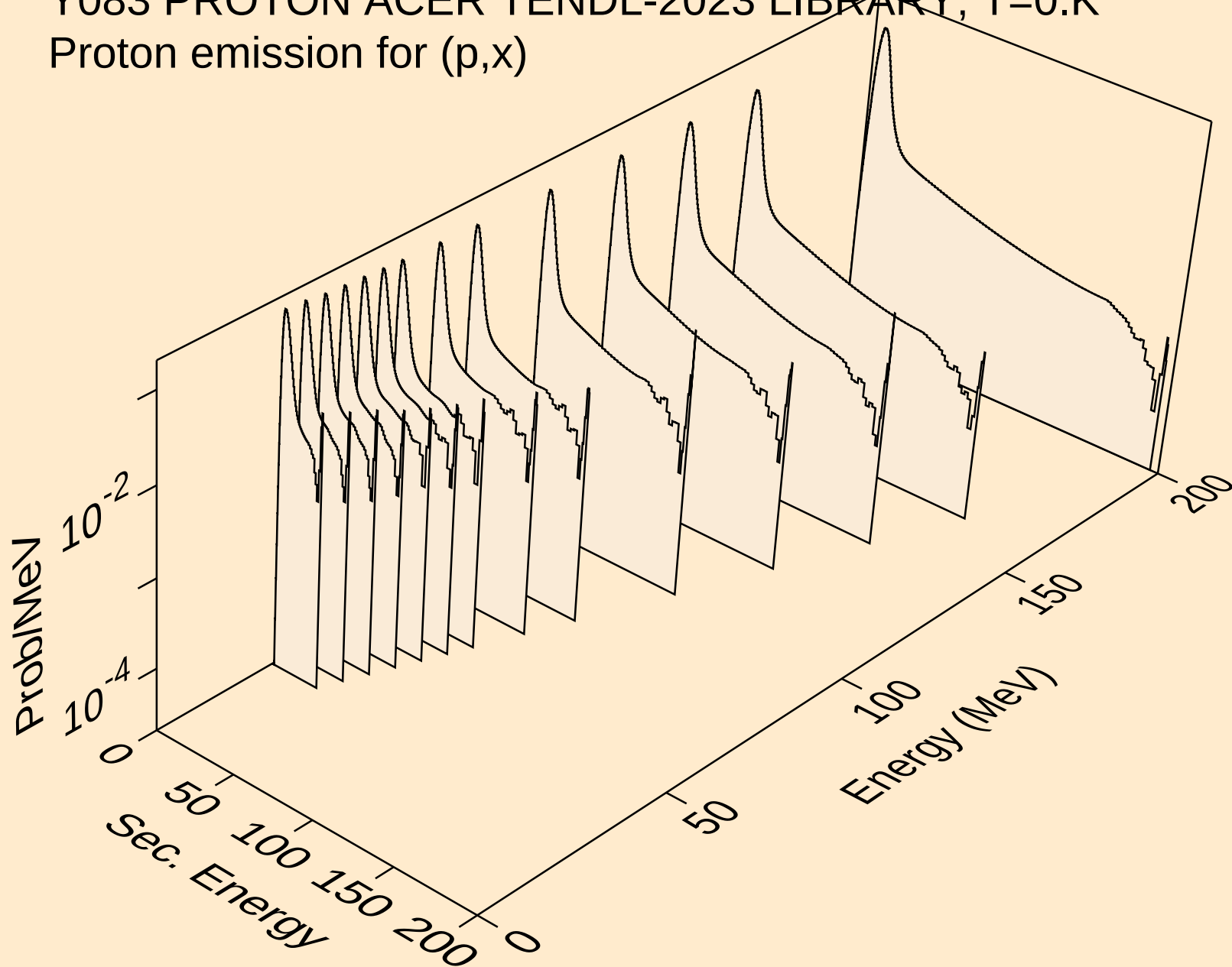
Y083 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



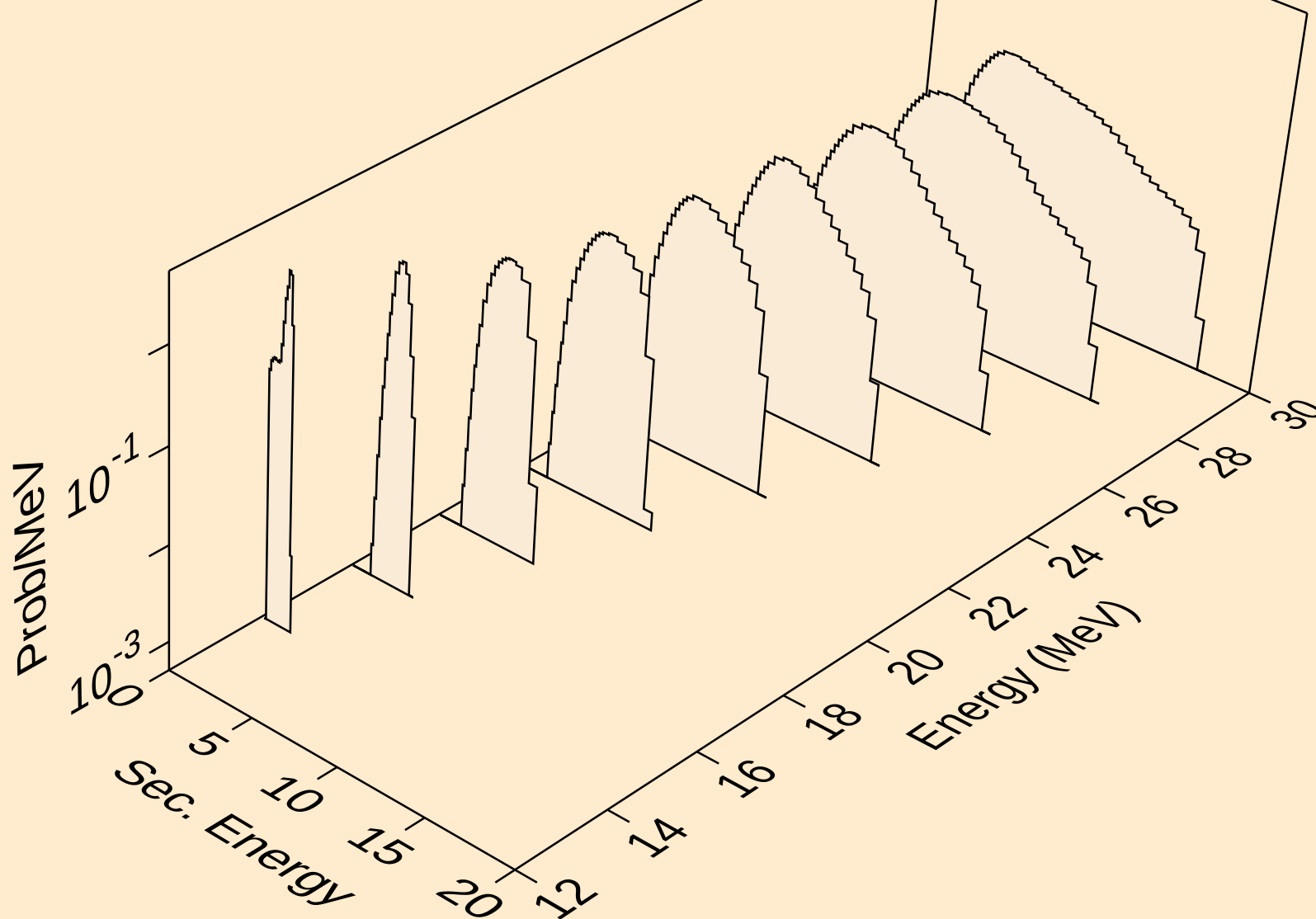
Y083 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



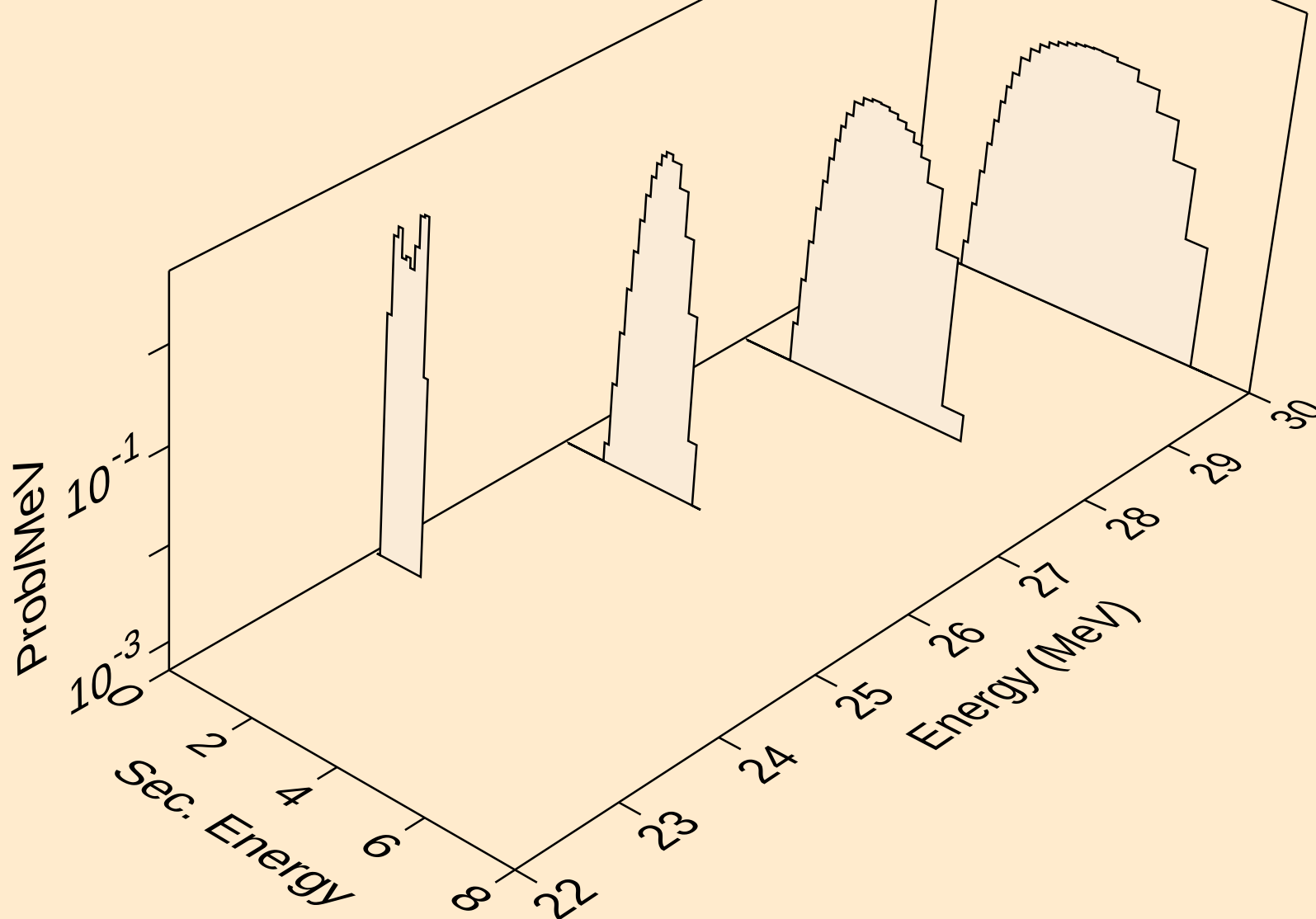
Y083 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)



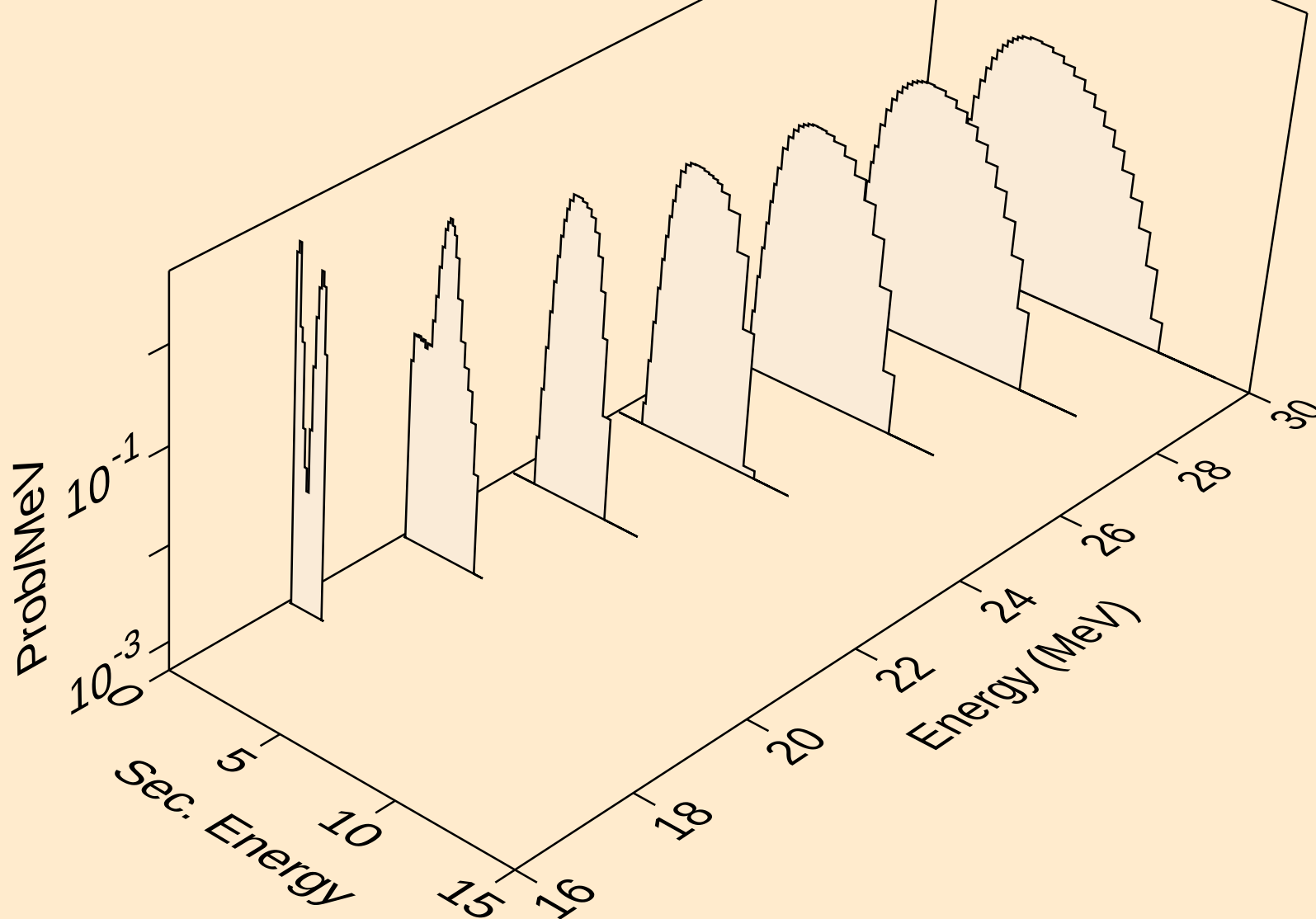
Y083 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



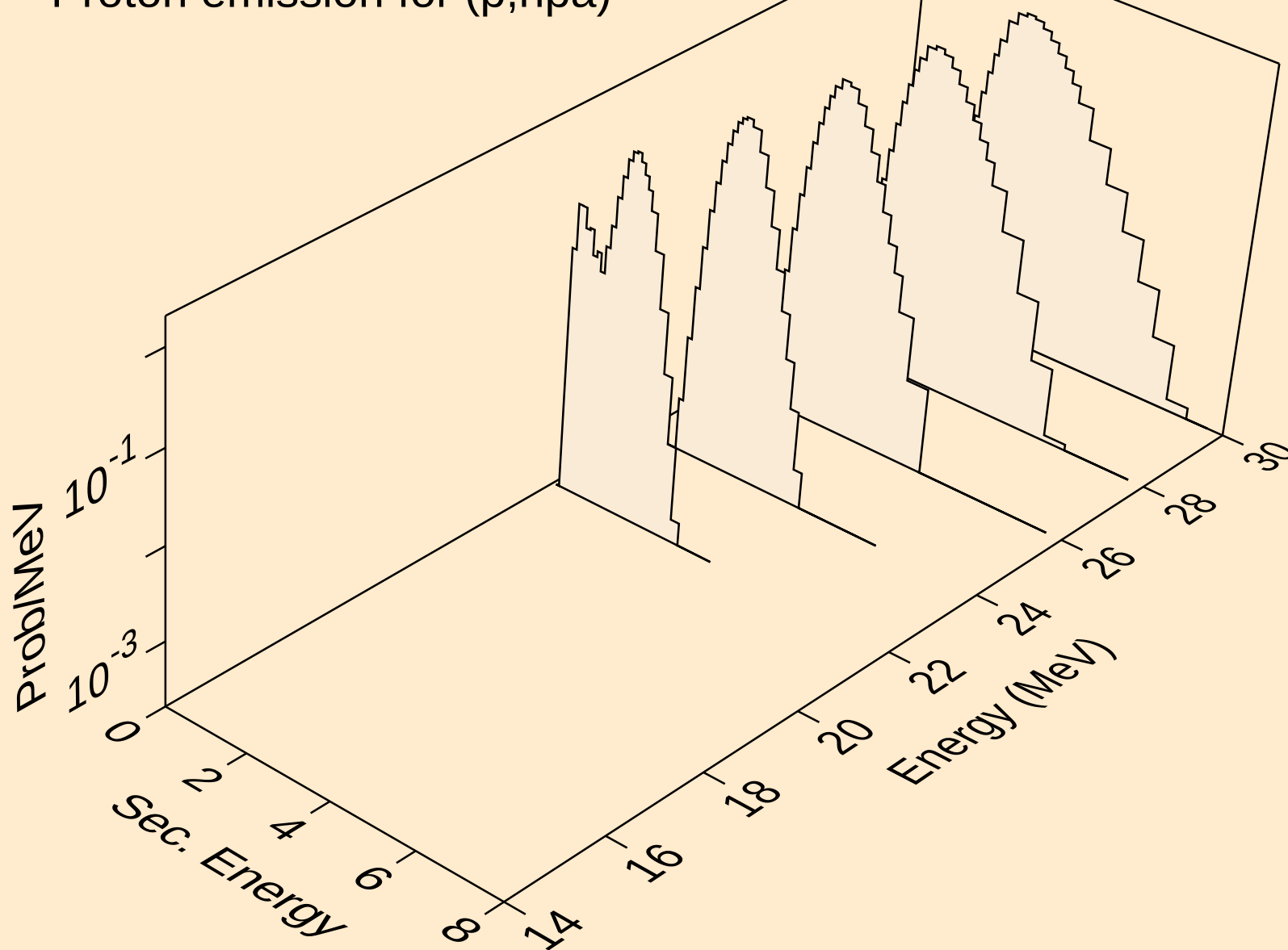
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Proton emission for (p,2np)



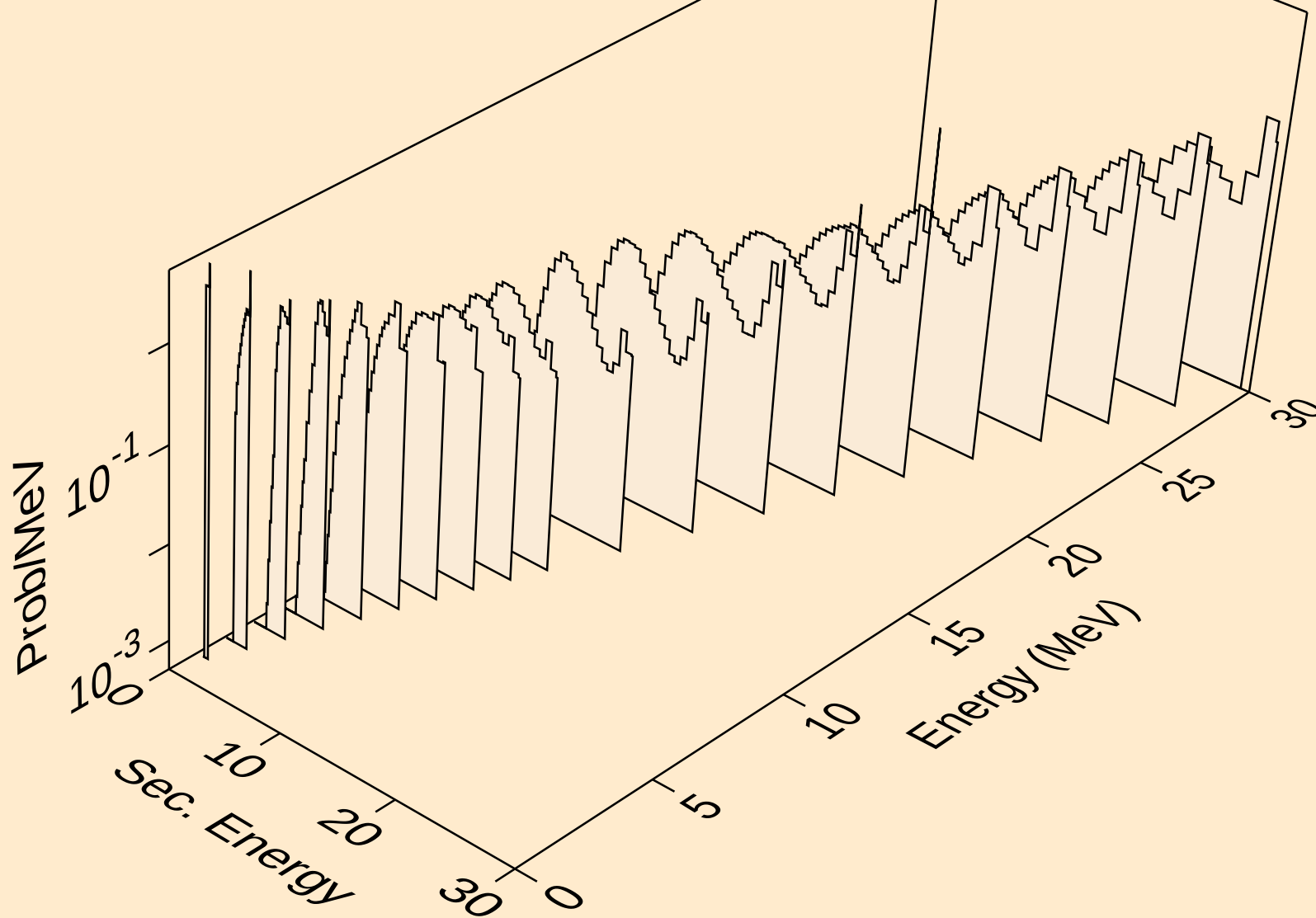
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Proton emission for (p,n2p)



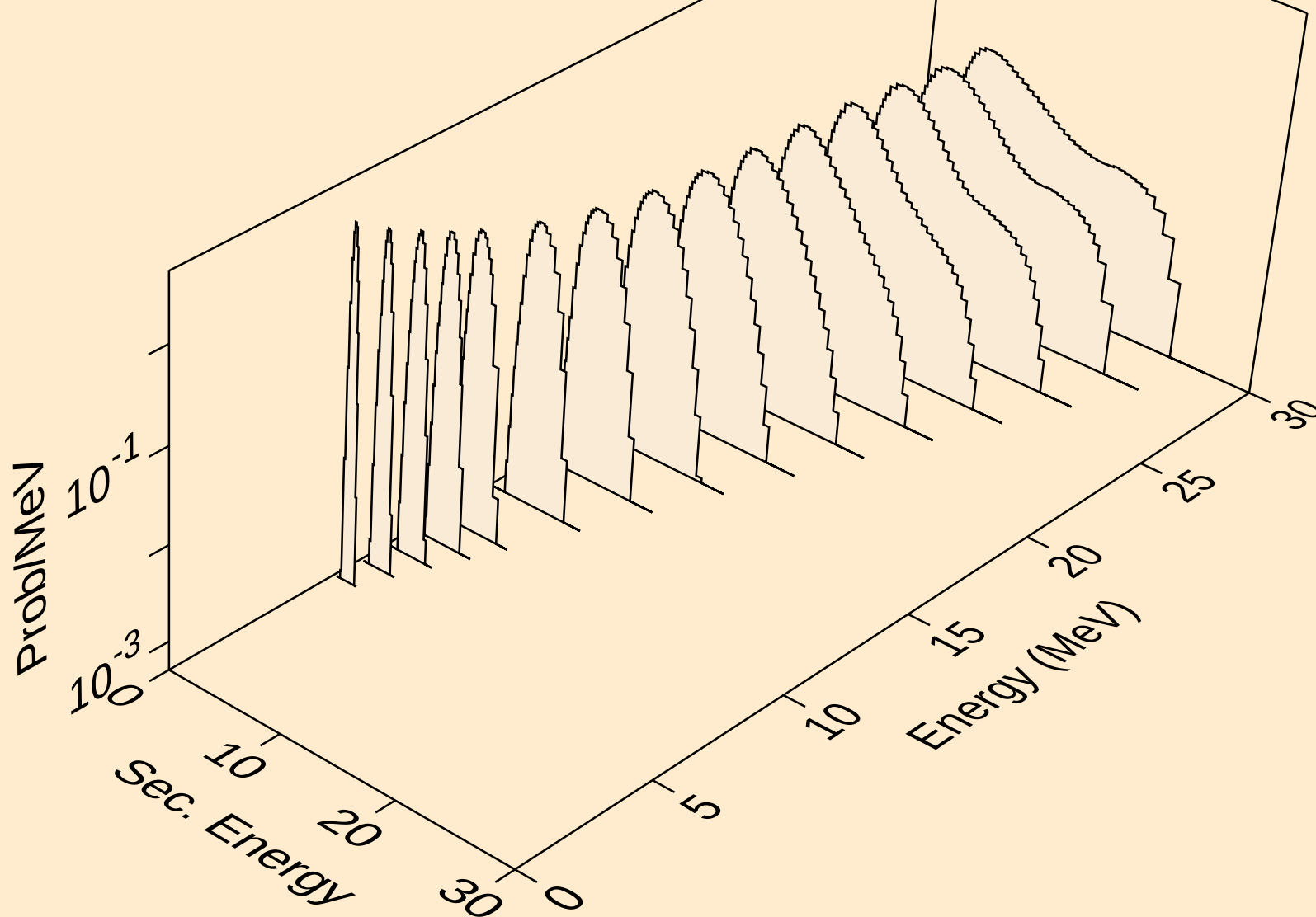
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Proton emission for (p,npa)



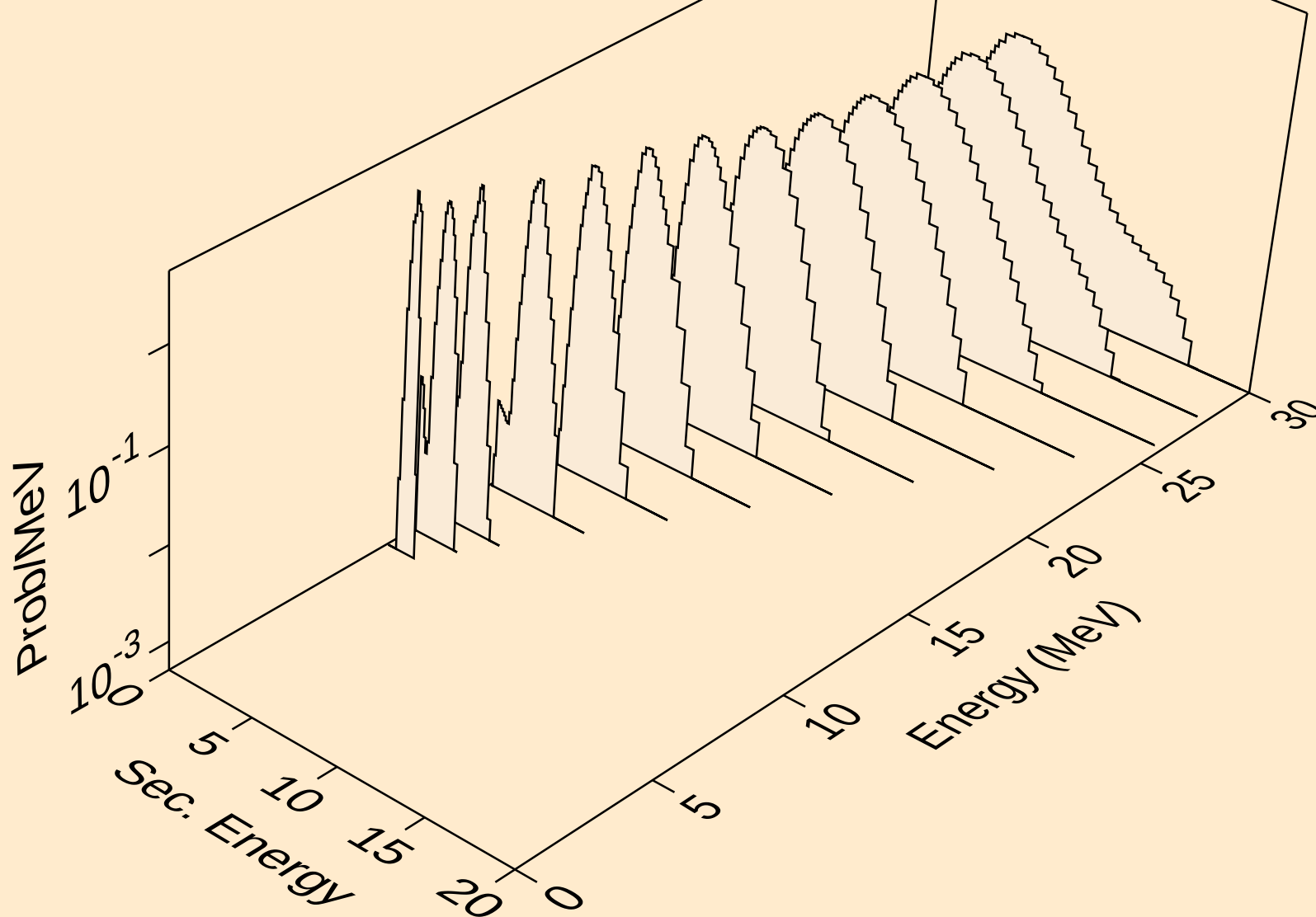
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Proton emission for inelastic



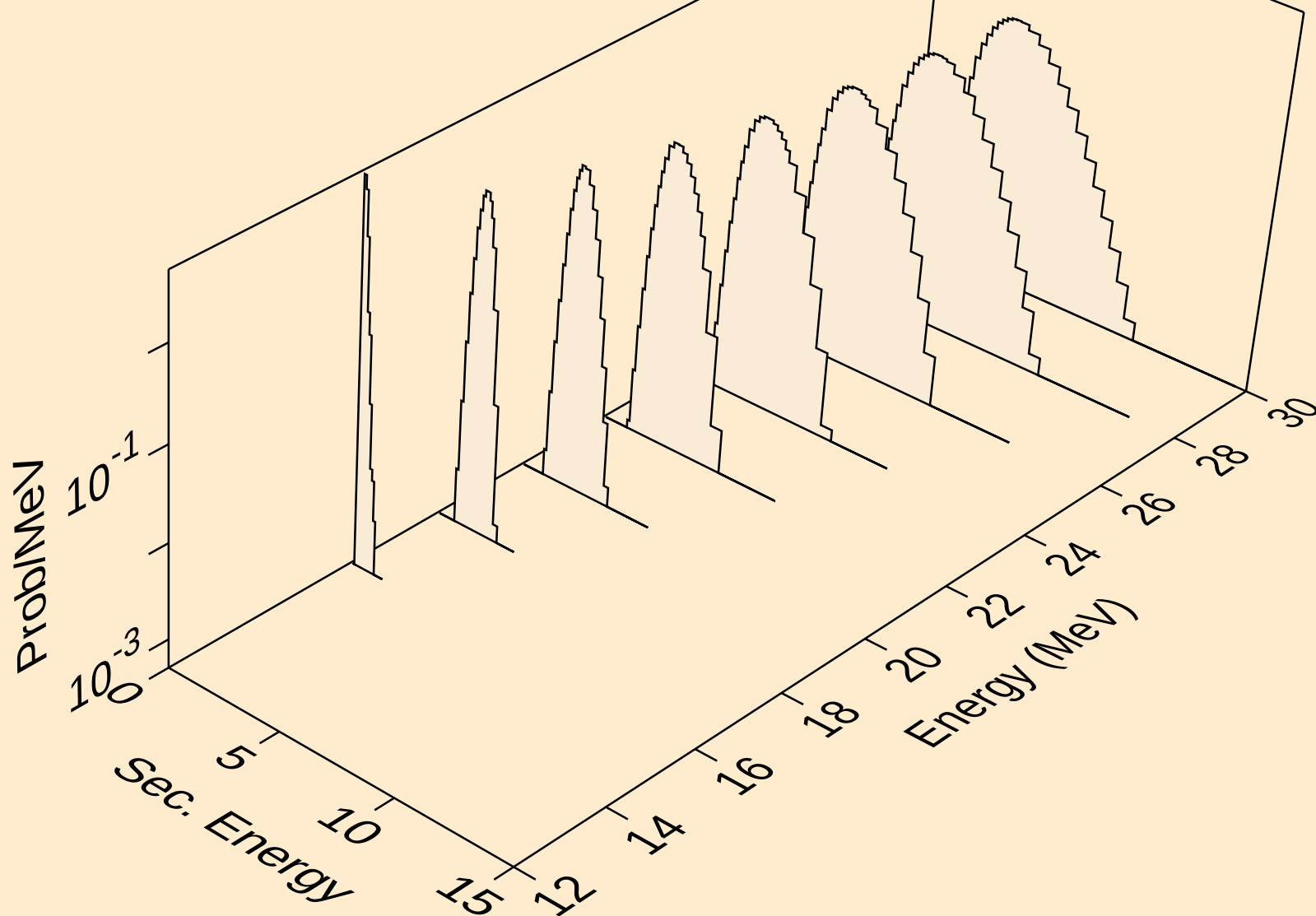
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Proton emission for (p,2p)



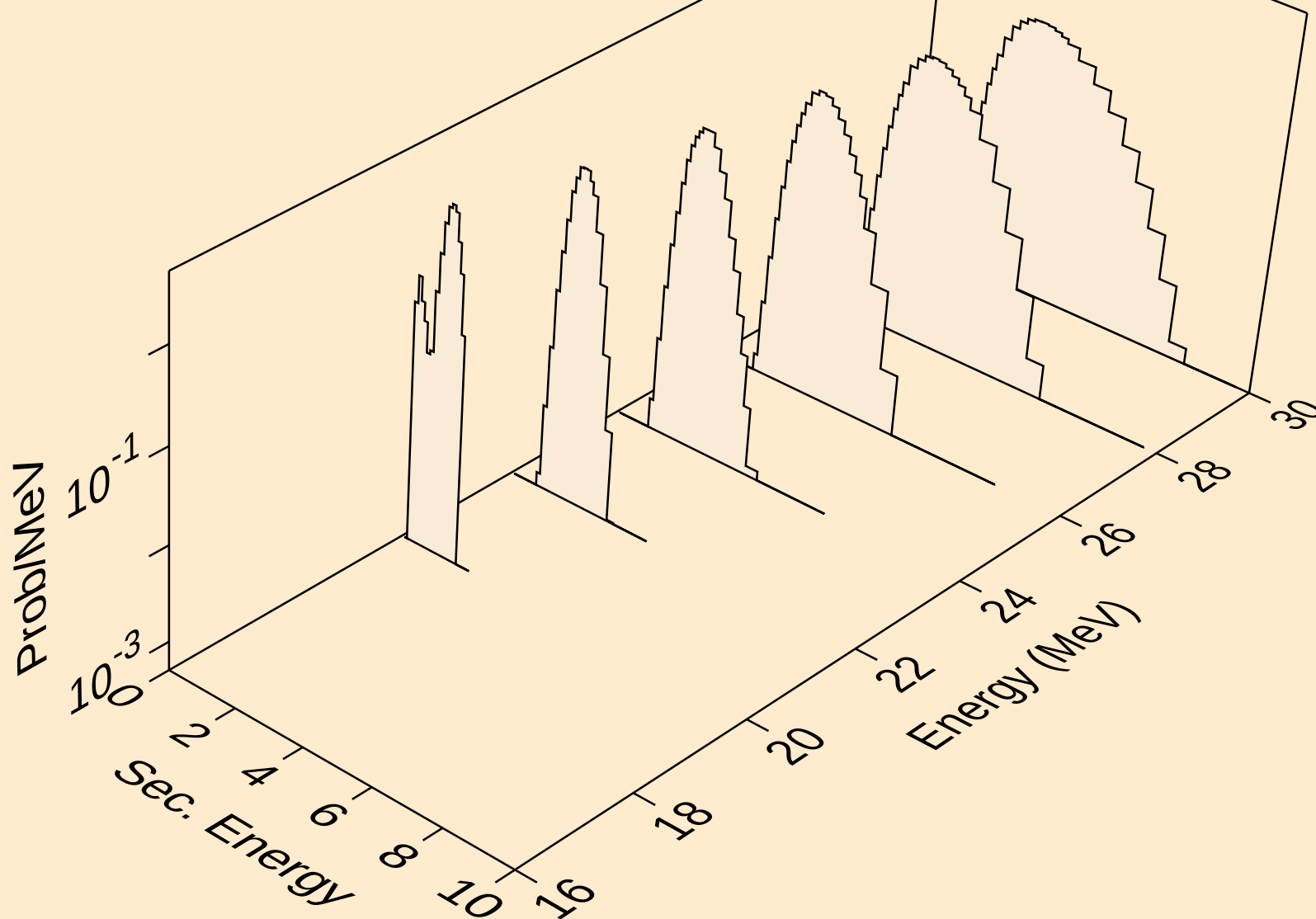
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Proton emission for (p,pa)



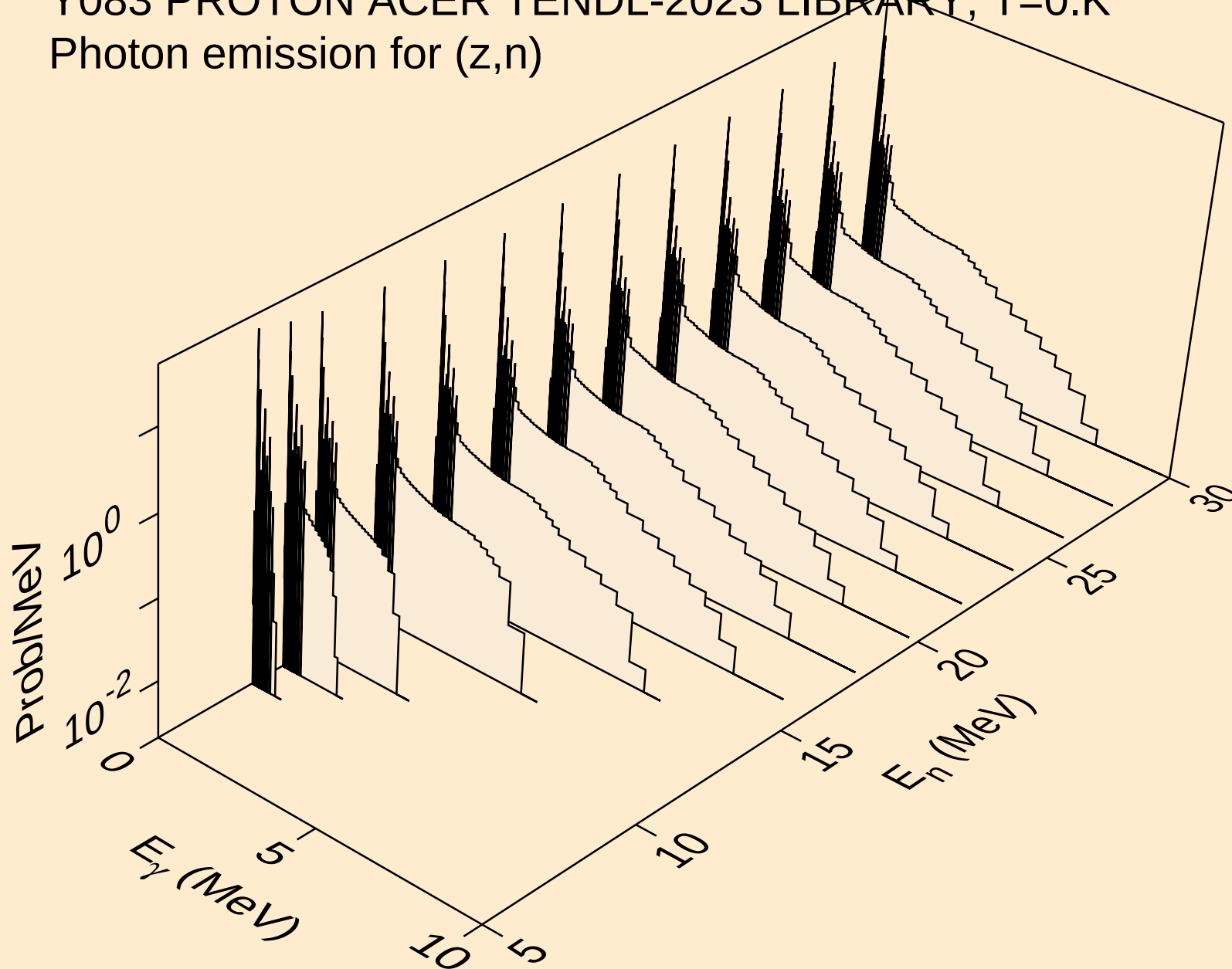
Y083 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pd)



Y083 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pt)

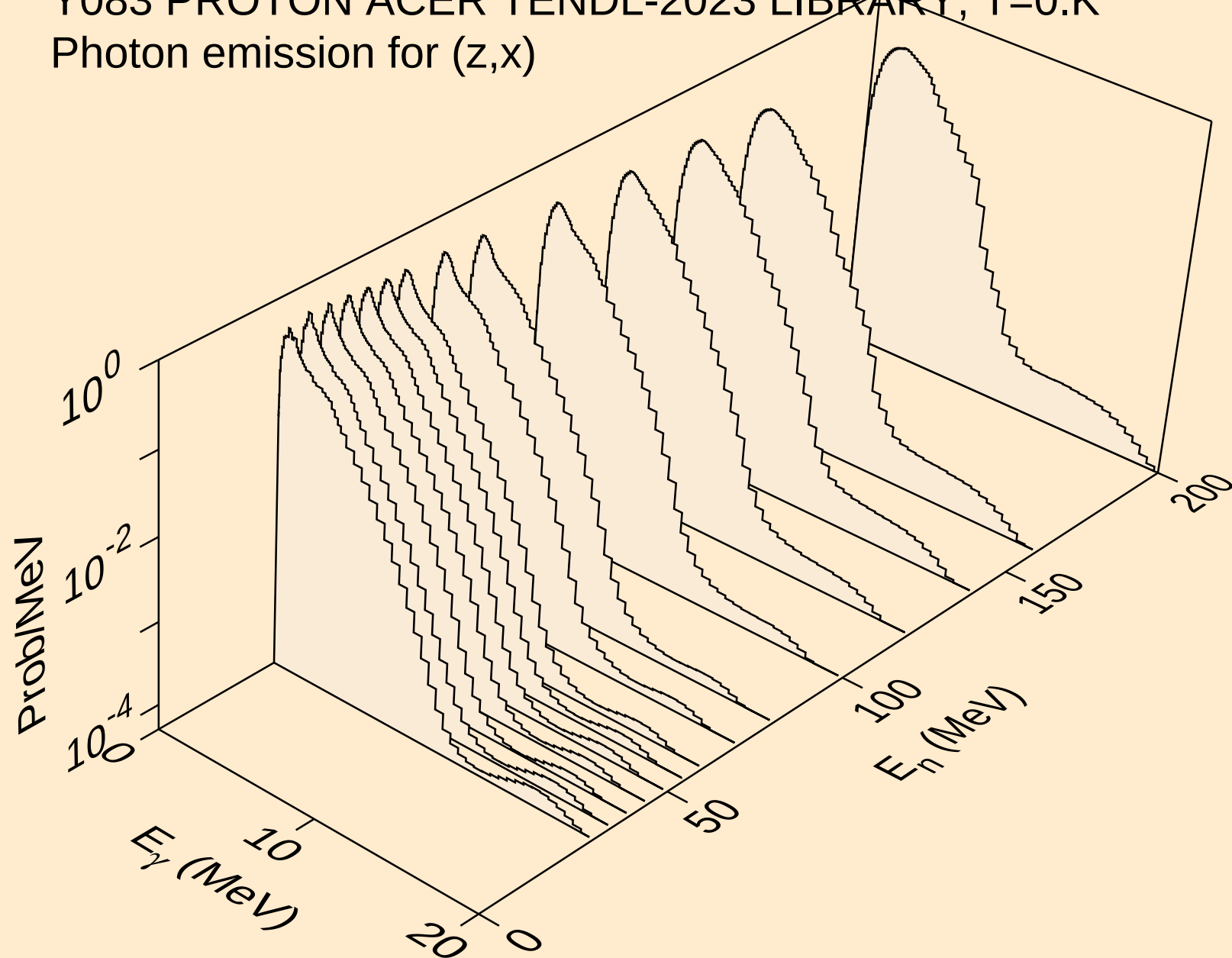


Y083 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)

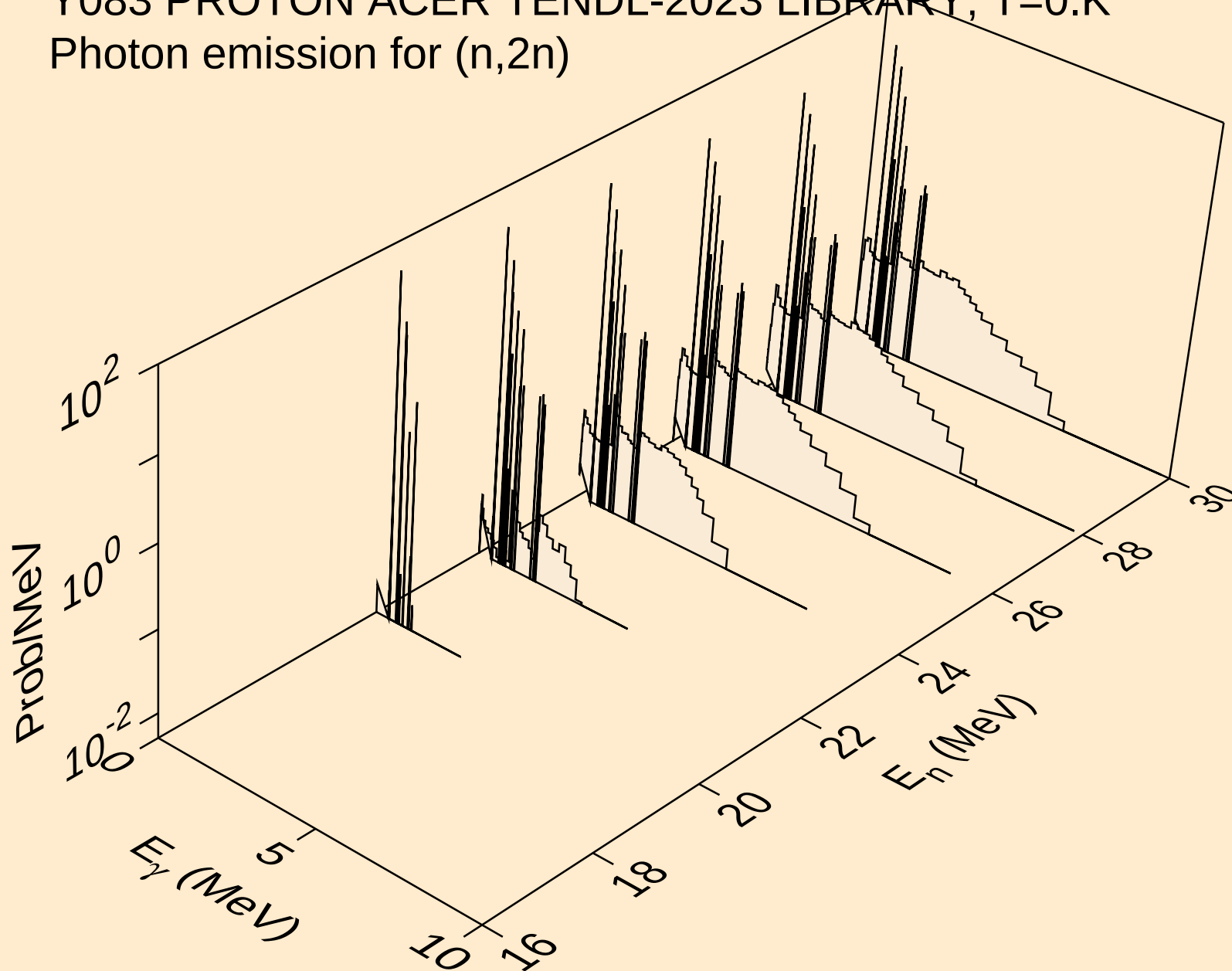


Y083 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (z,x)

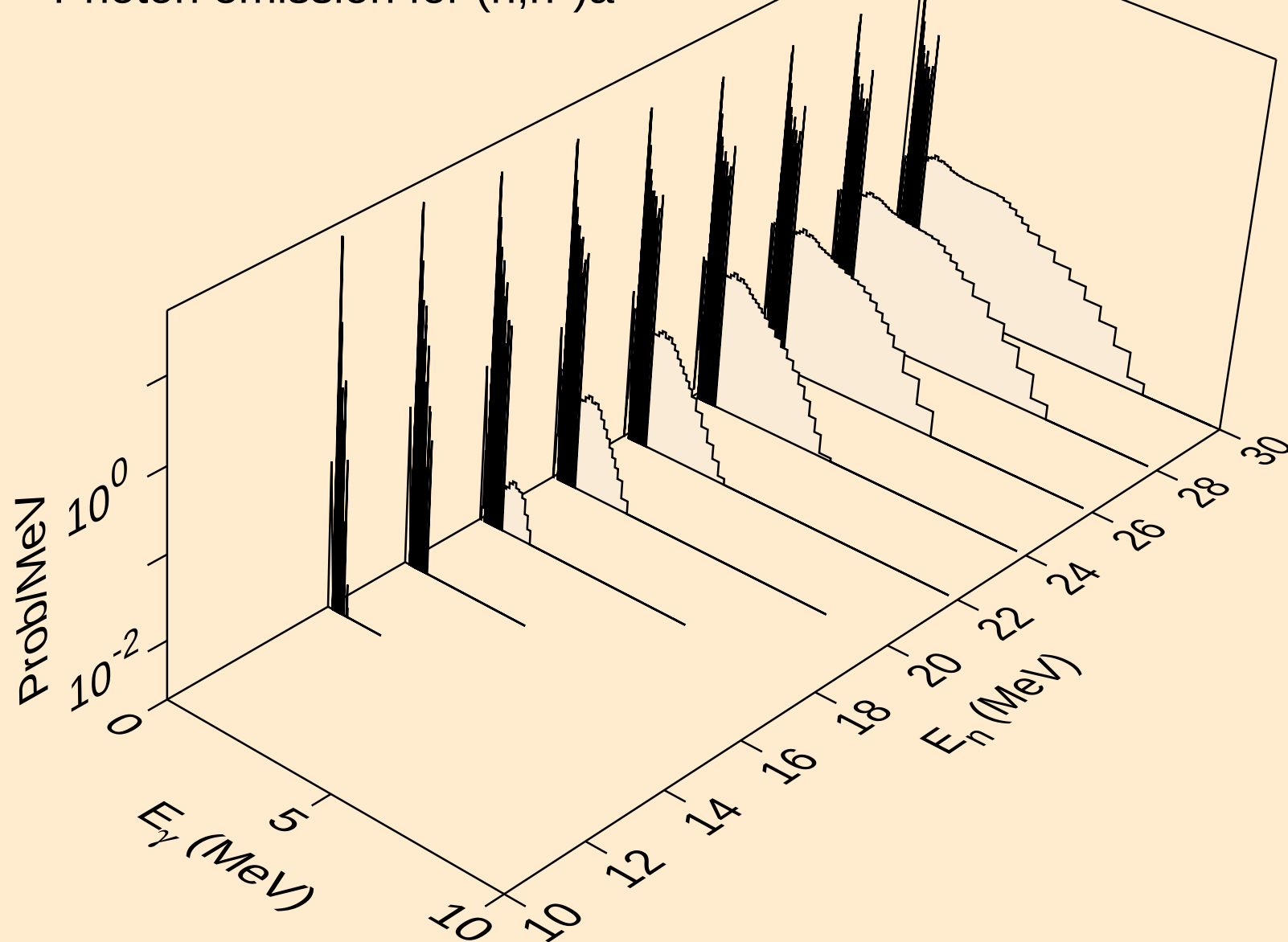


Y083 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)

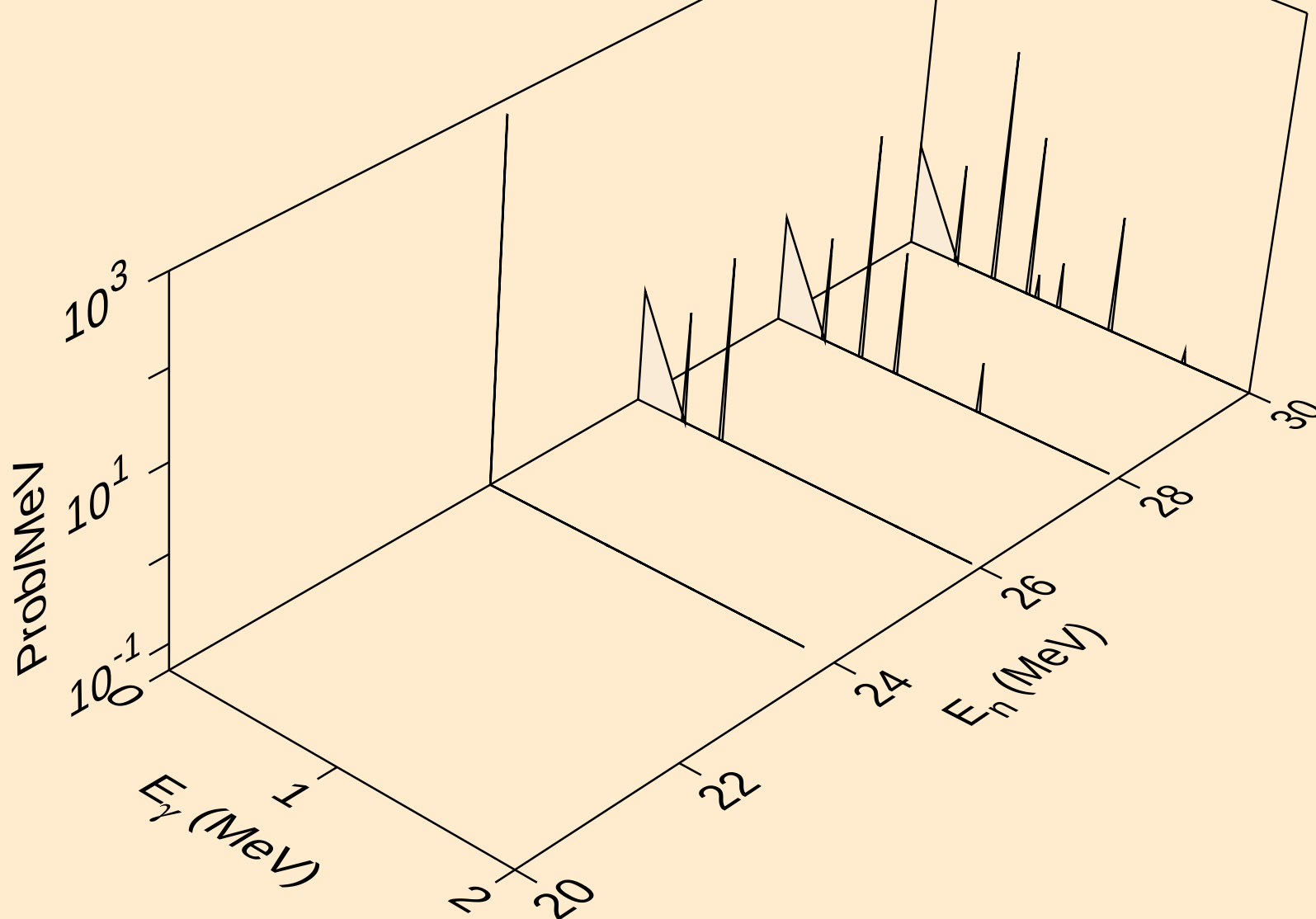


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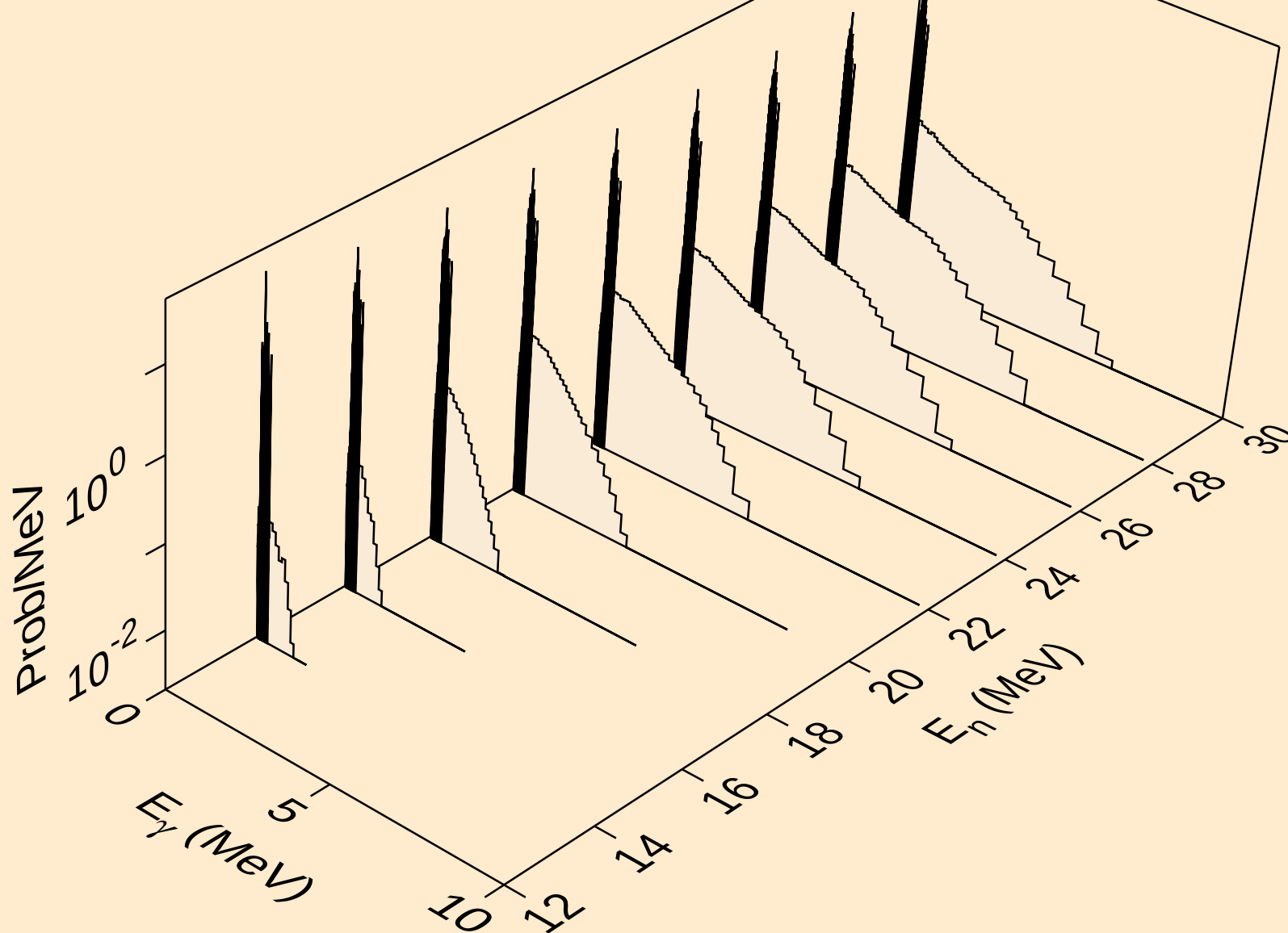
Photon emission for (n,n\*)a



Y083 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

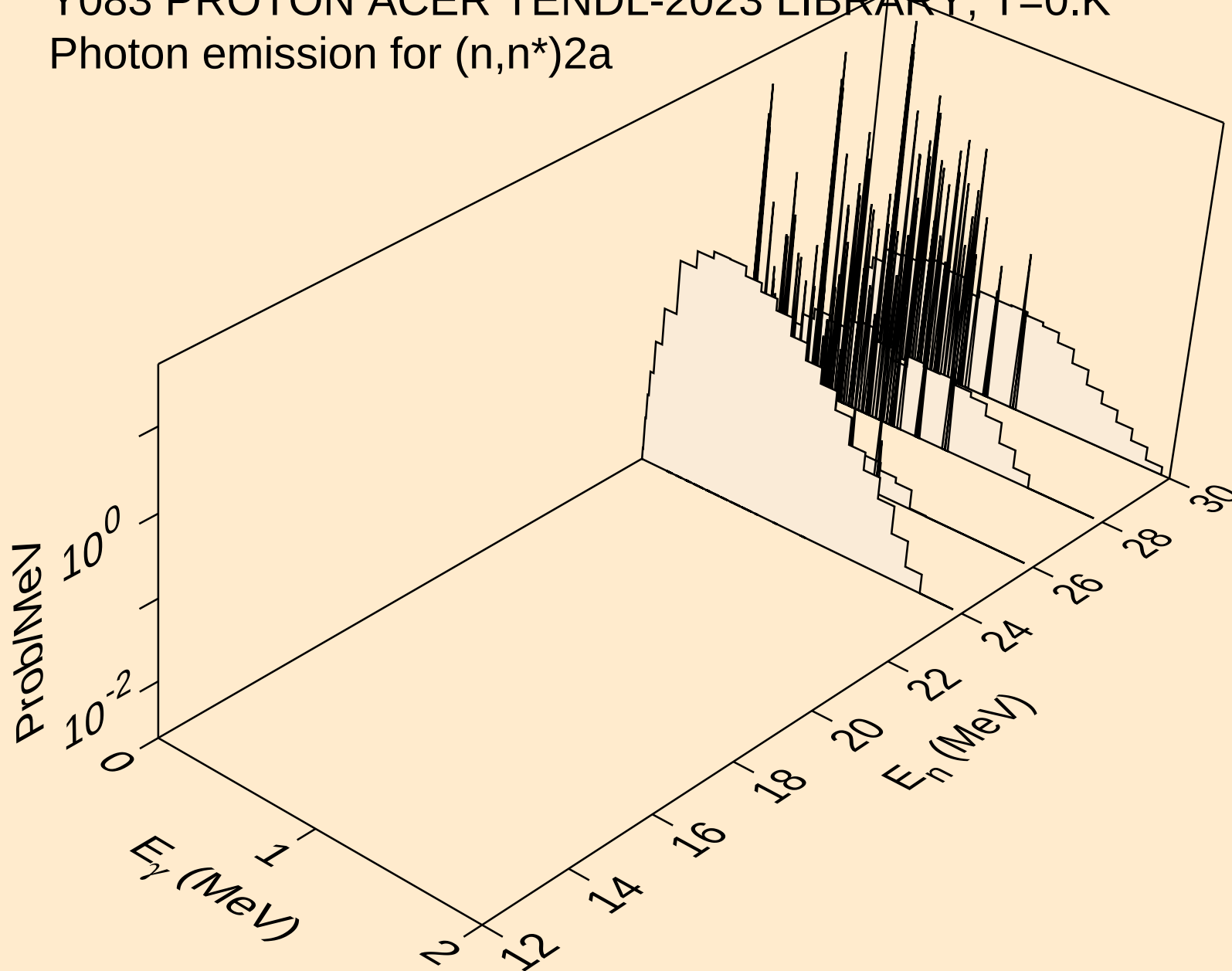


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Photon emission for (n,n\*)p

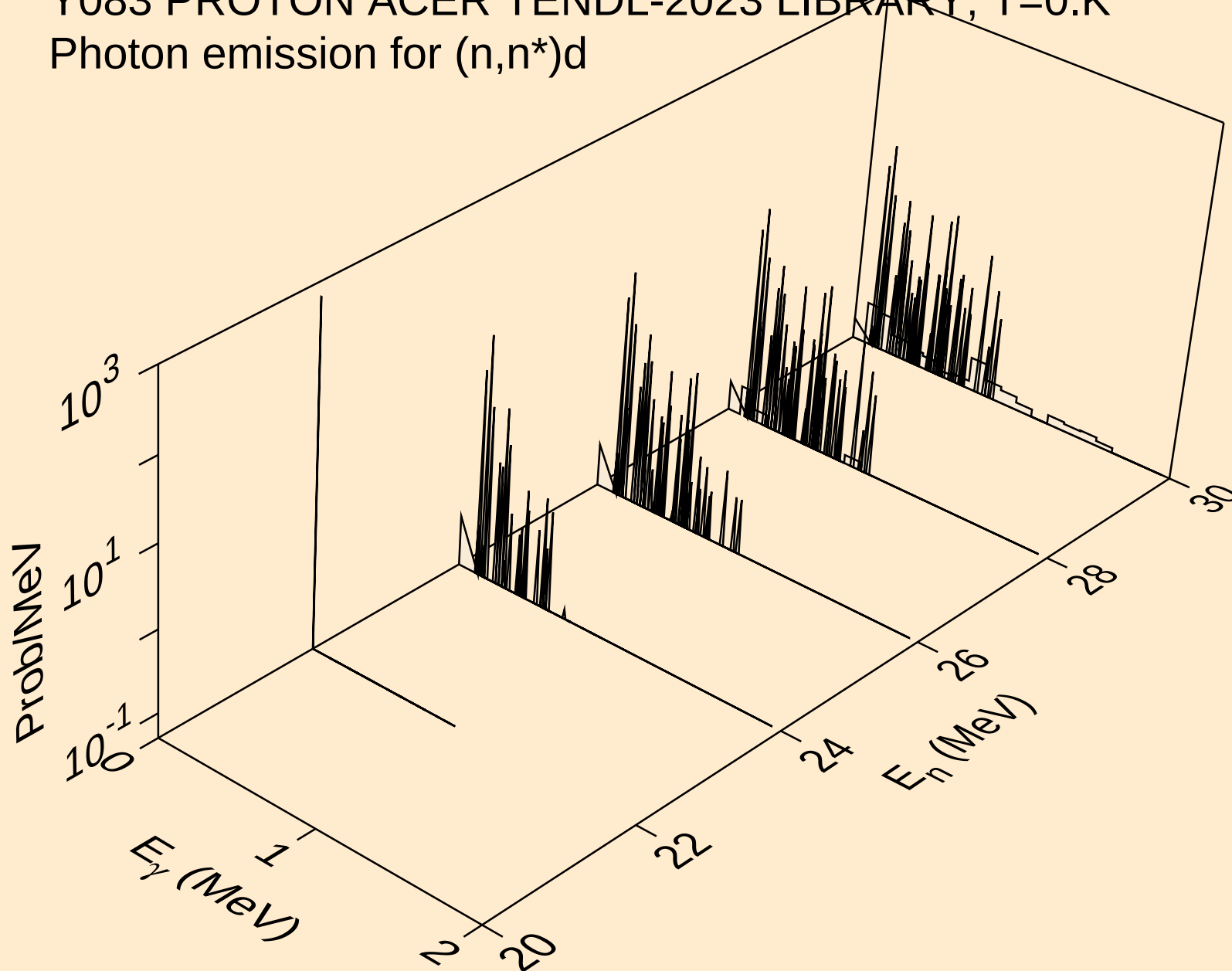


Y083 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)2a

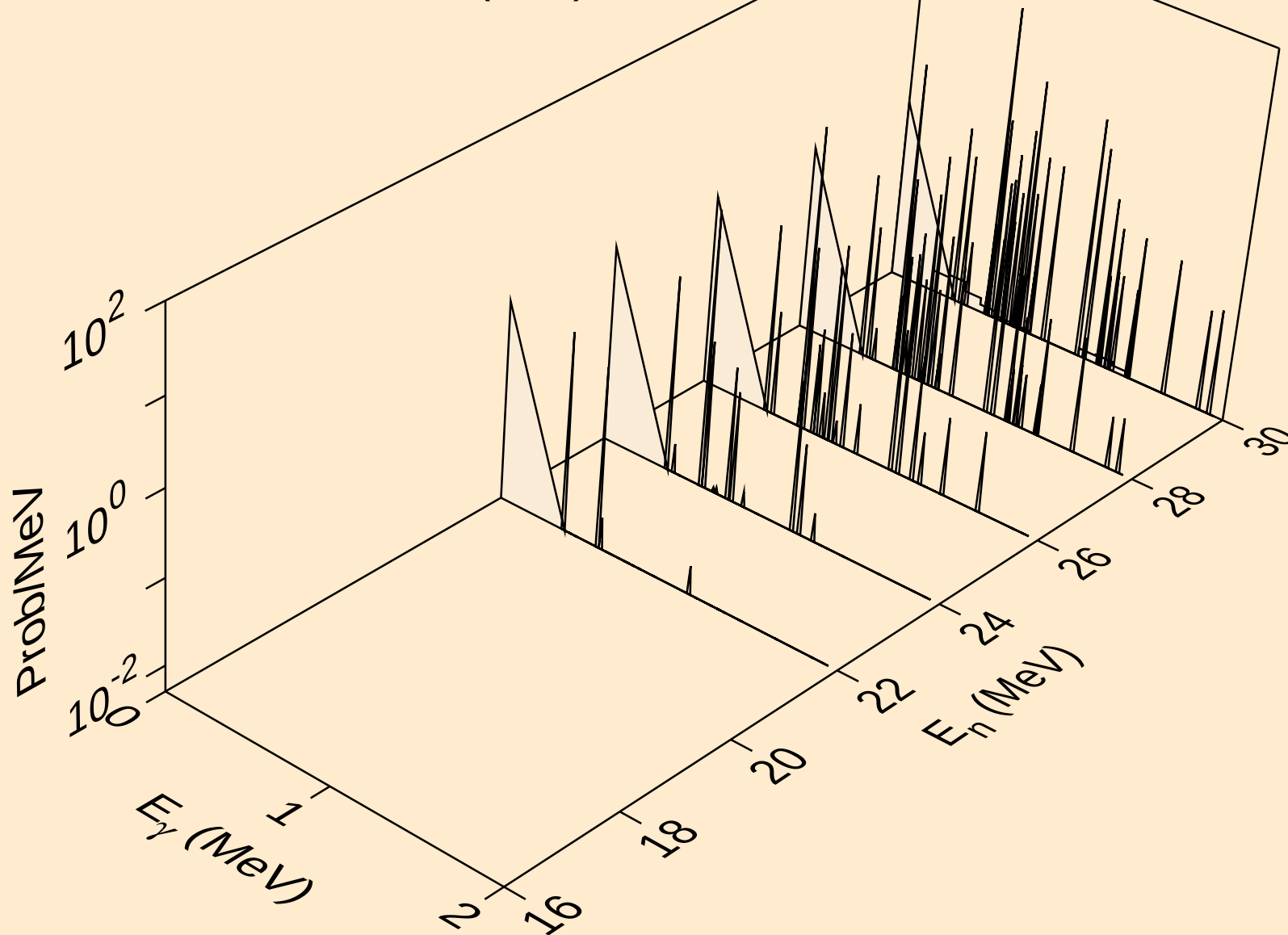


Y083 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

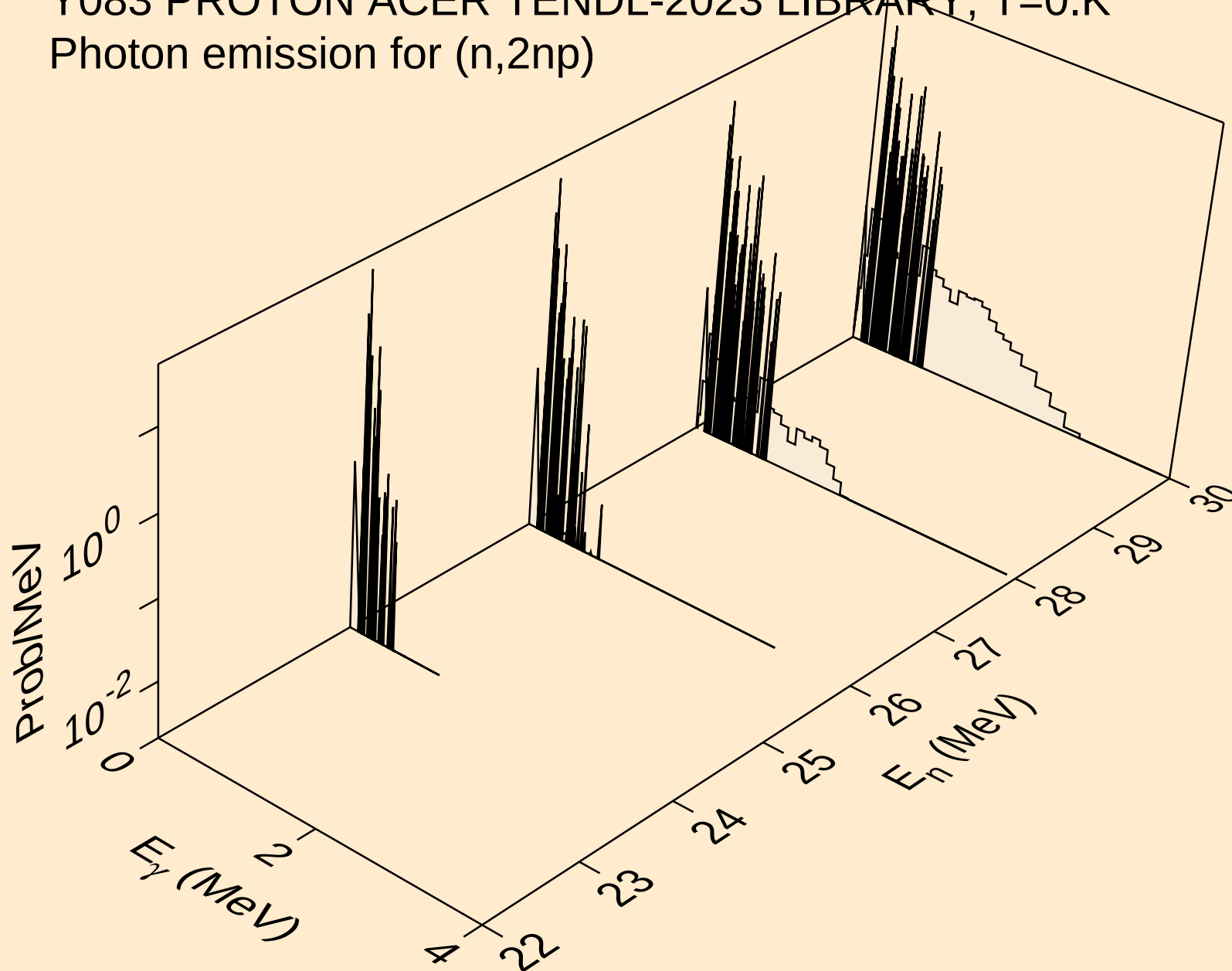


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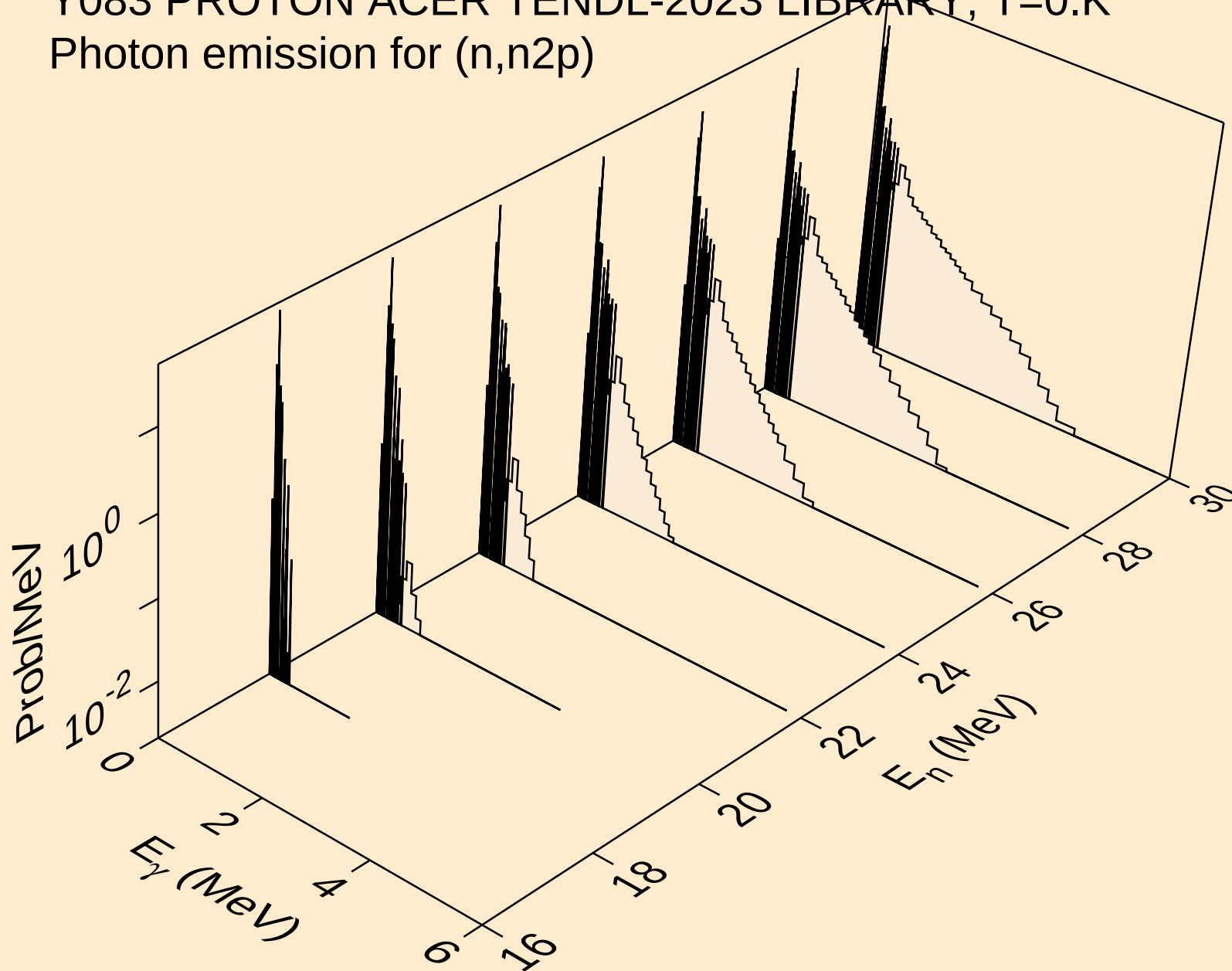
Photon emission for (n,n\*)he3



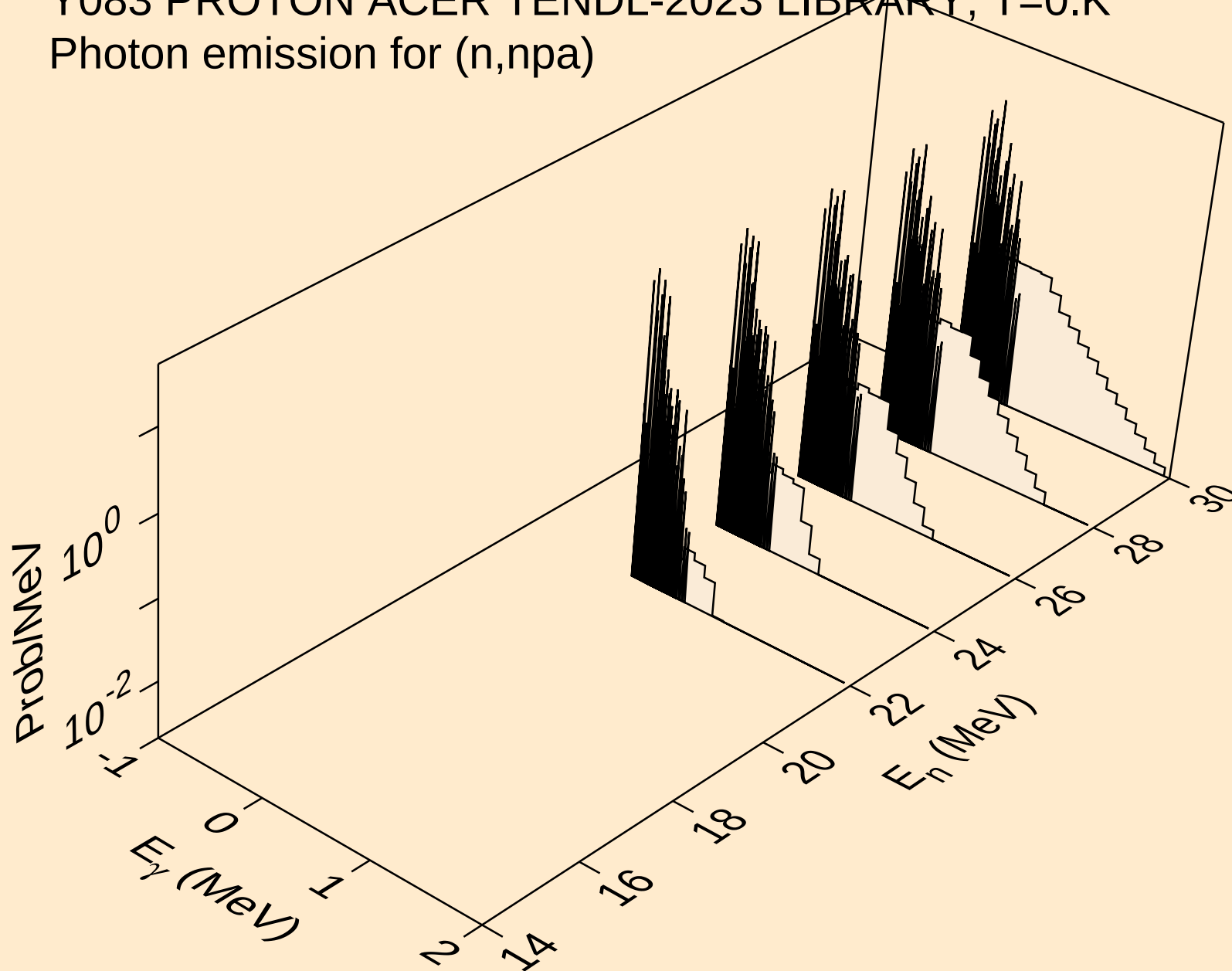
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Photon emission for (n,2np)



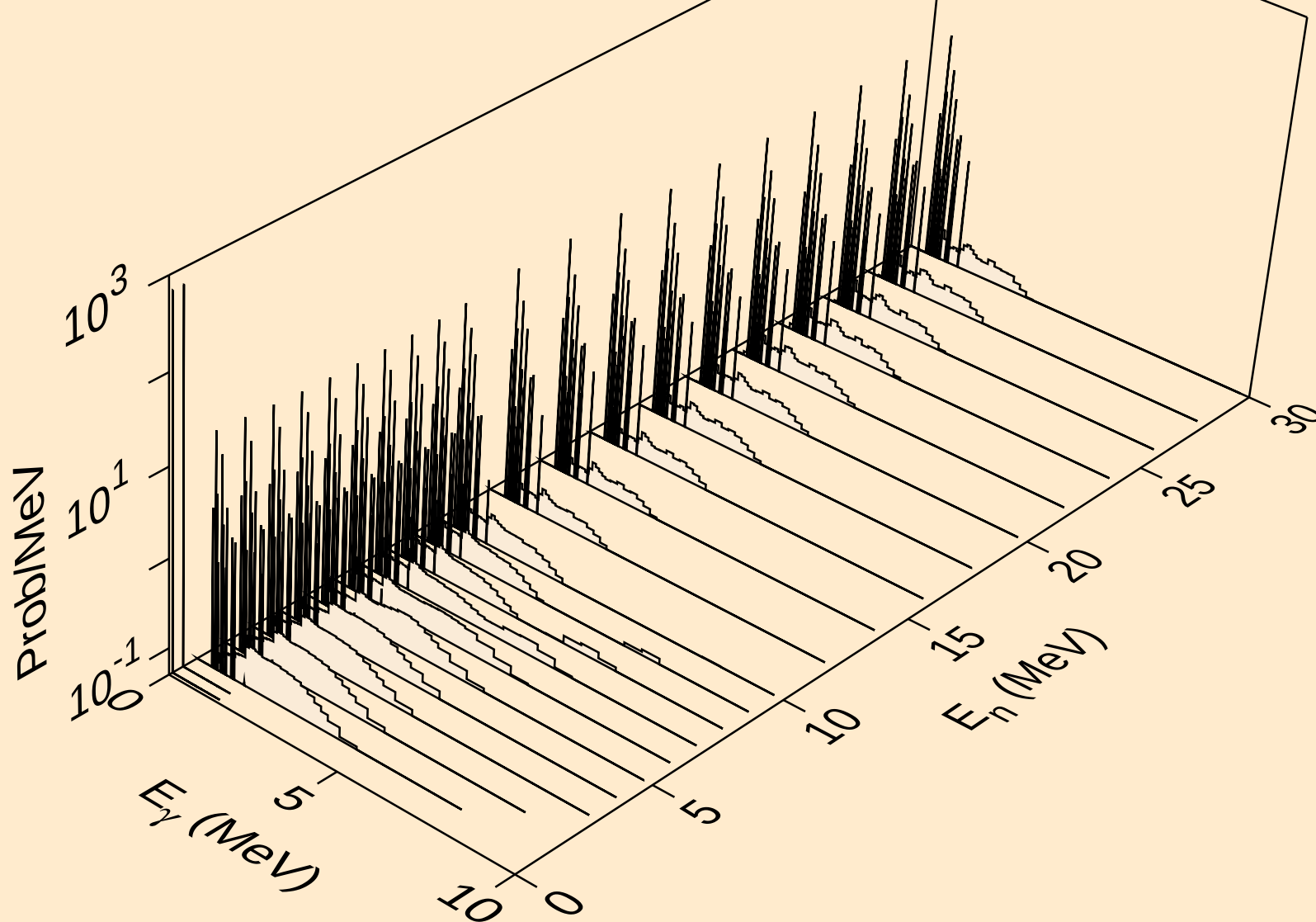
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Photon emission for (n,n2p)



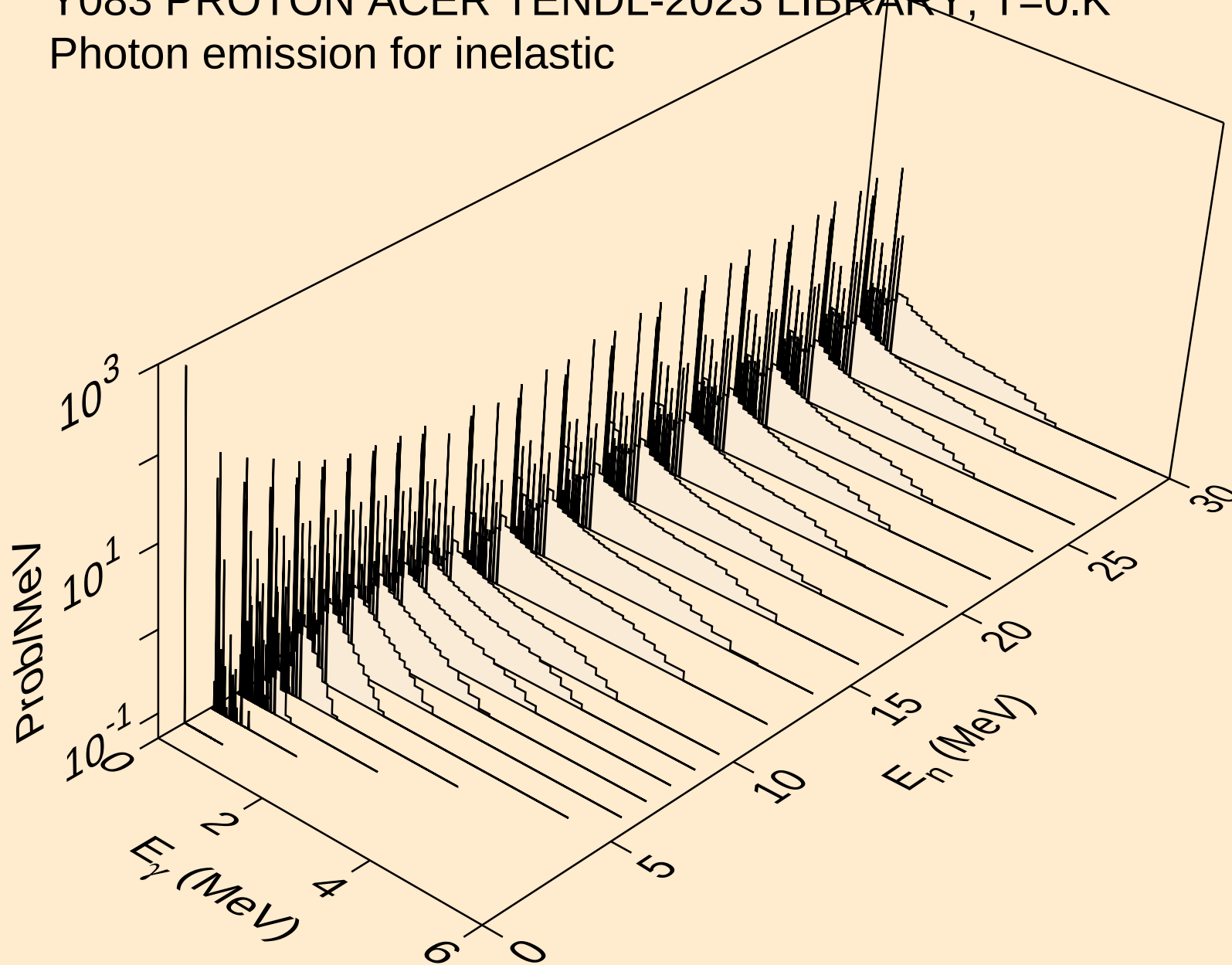
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Photon emission for (n,npa)



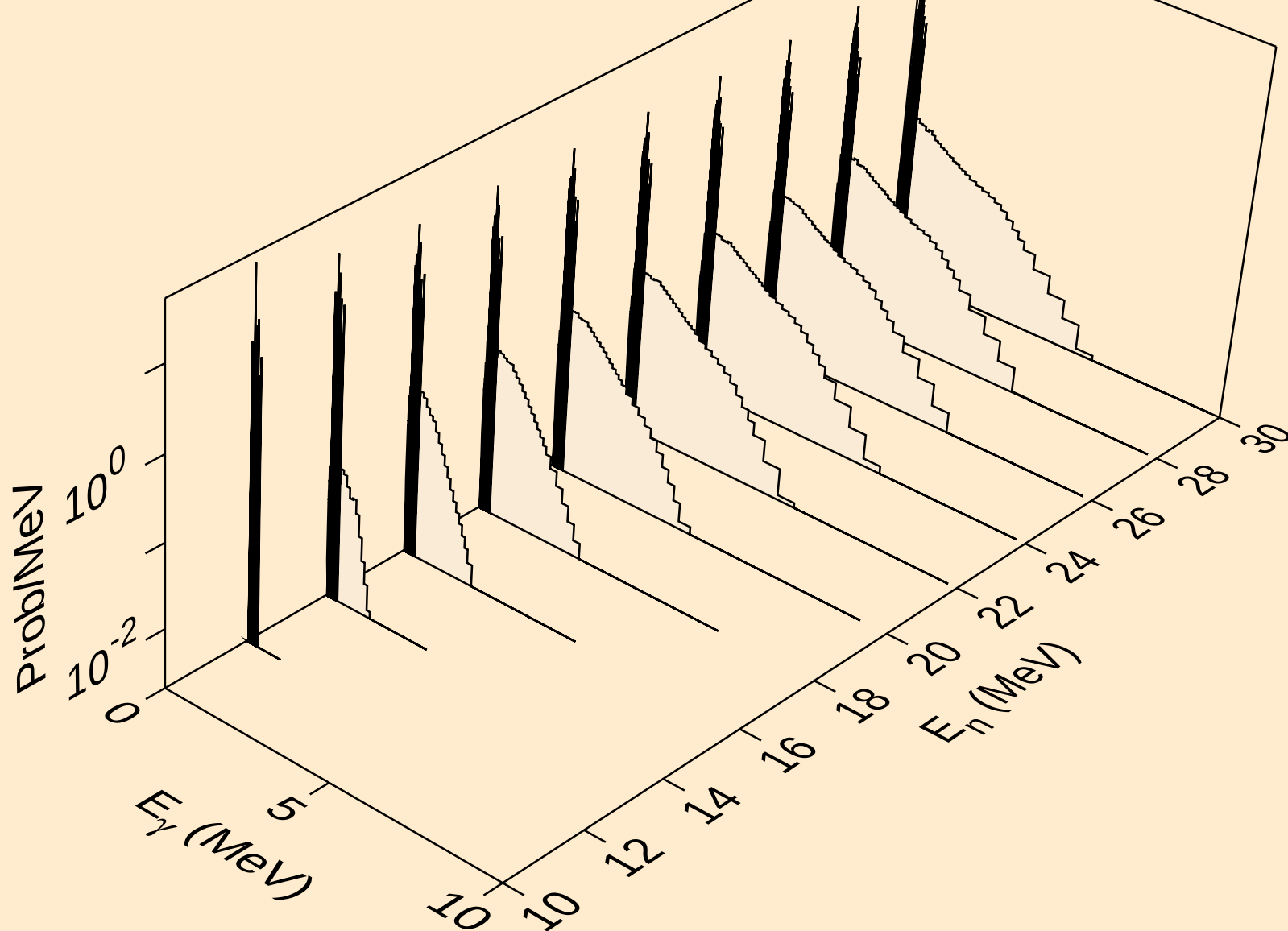
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Photon emission for (n,gma)



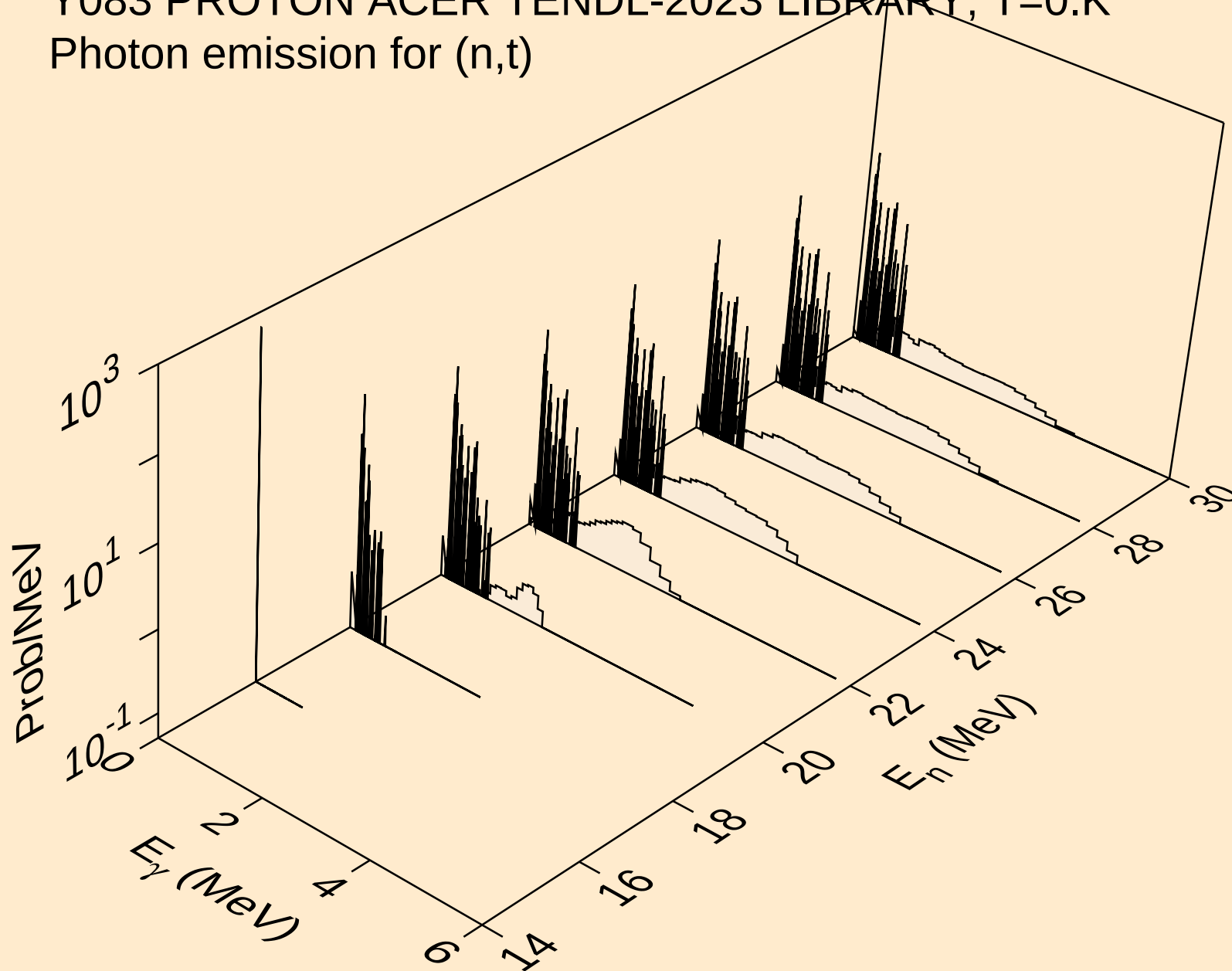
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Photon emission for inelastic



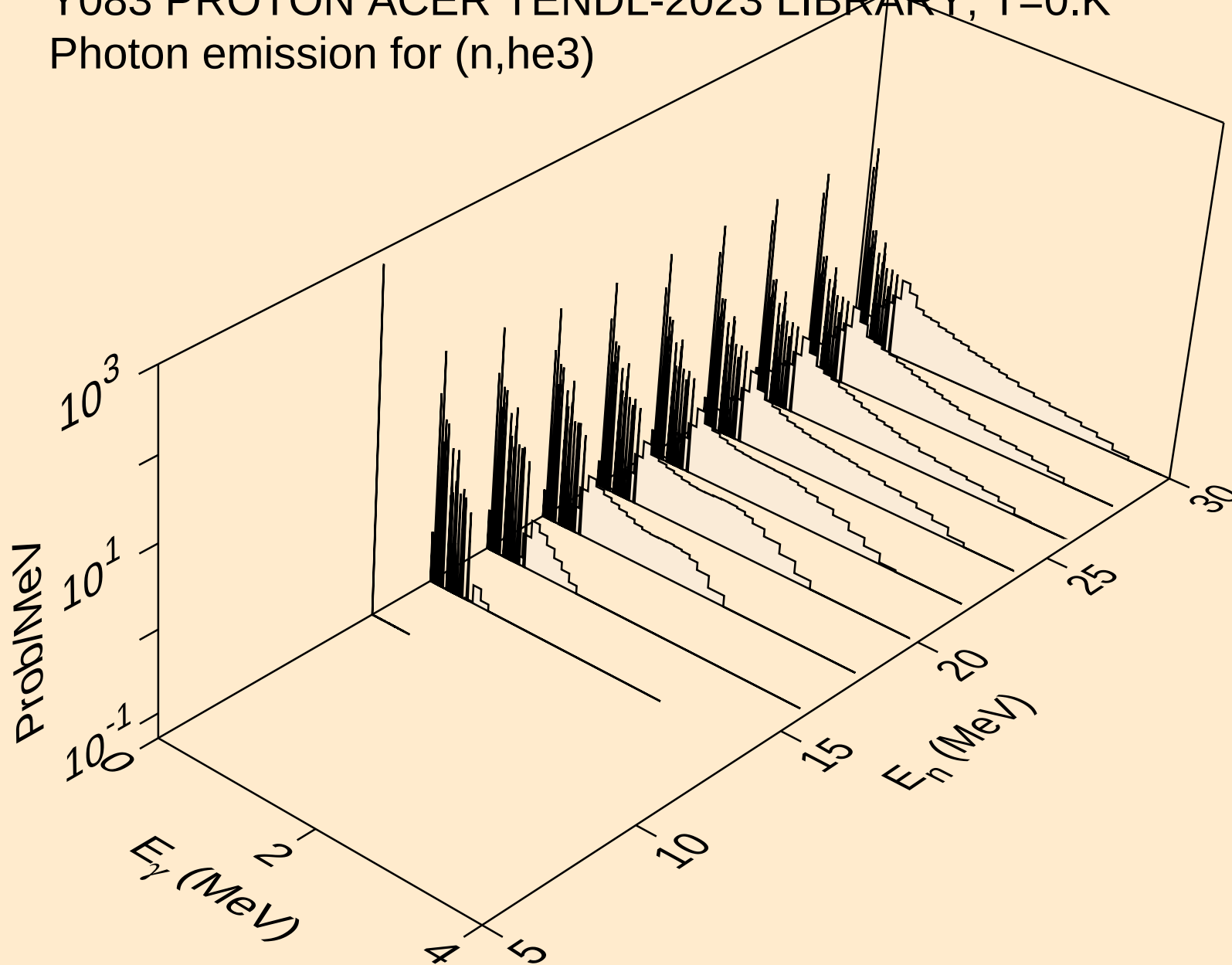
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Photon emission for (n,d)



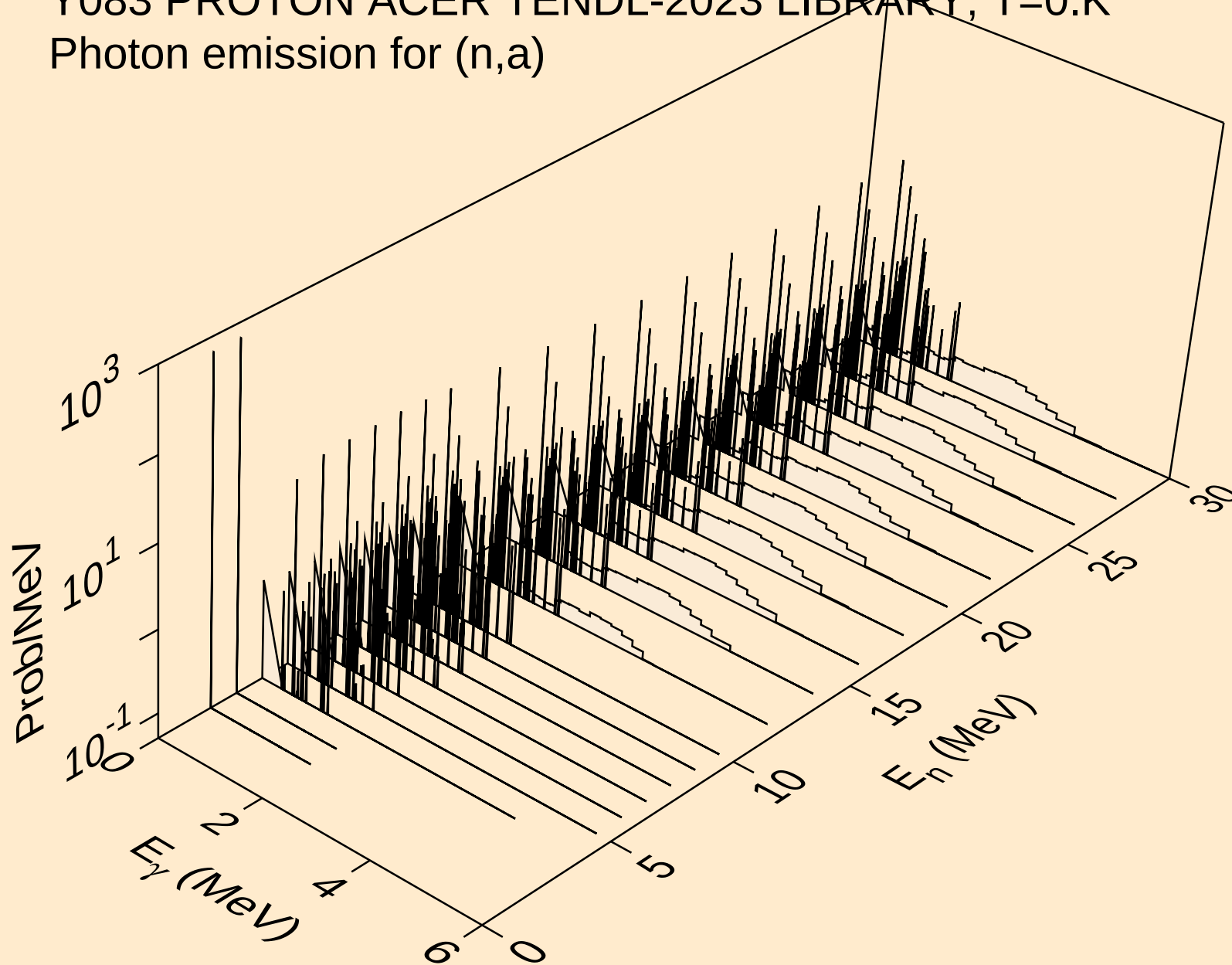
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Photon emission for (n,t)



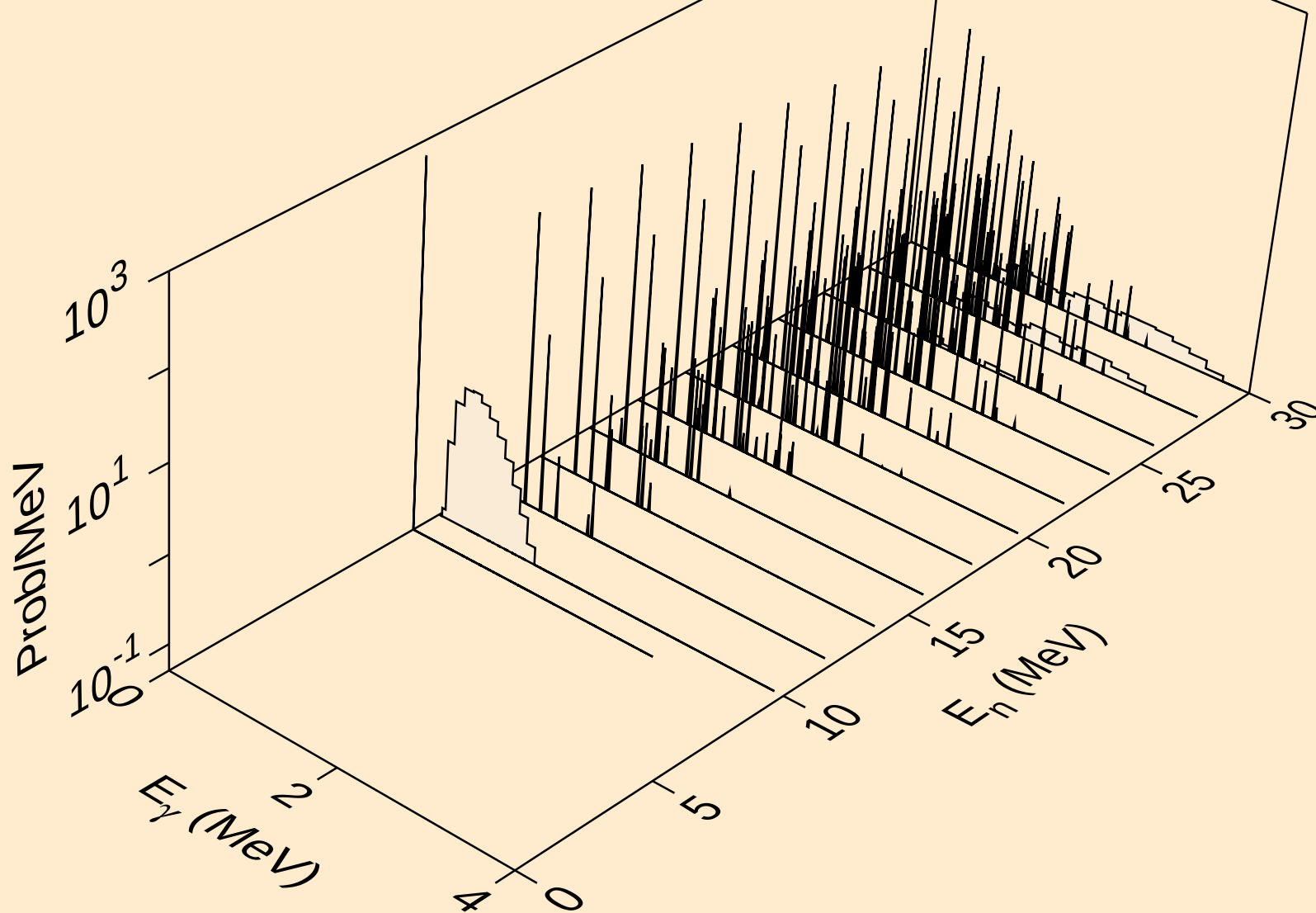
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Photon emission for (n,he3)



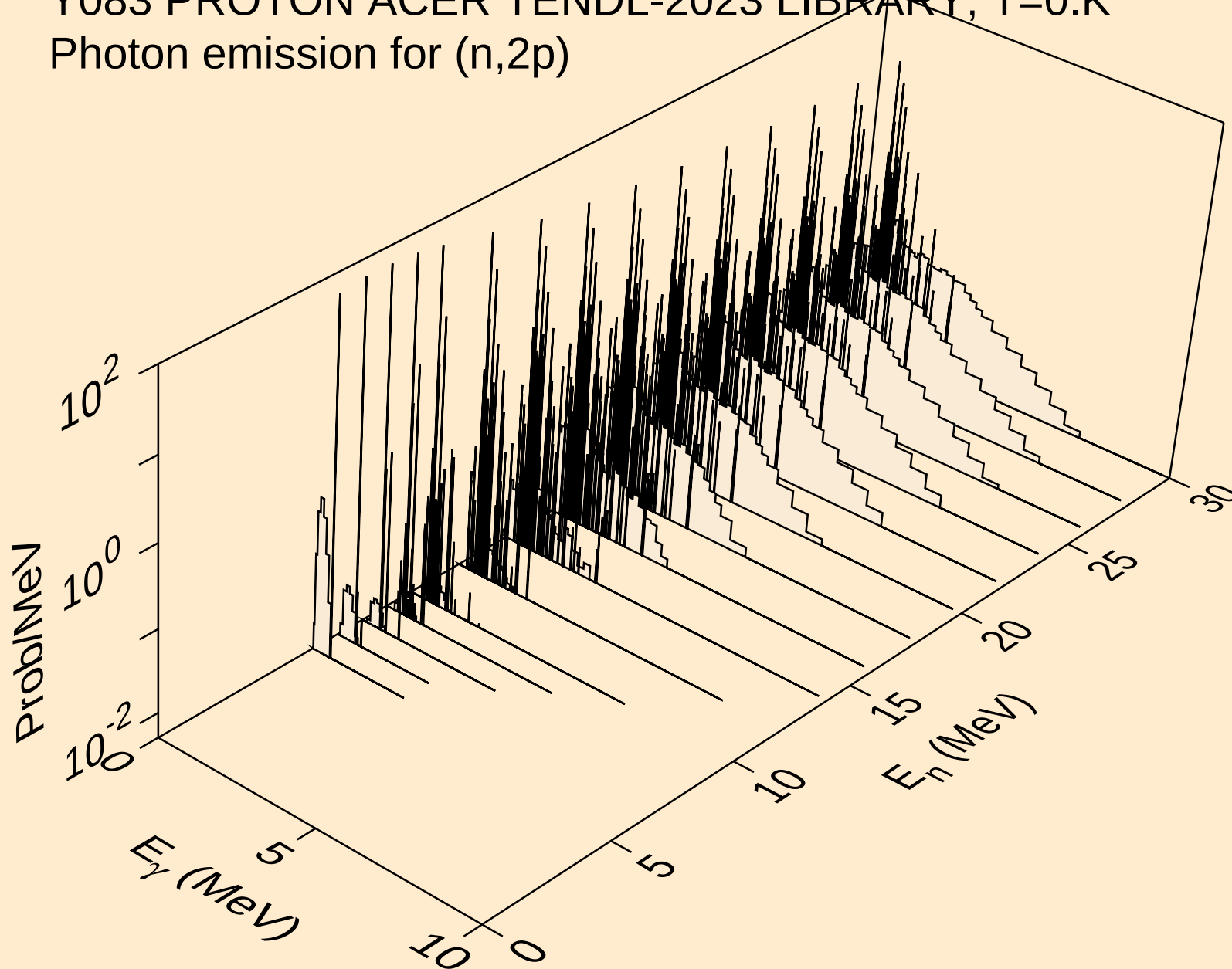
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Photon emission for (n,a)



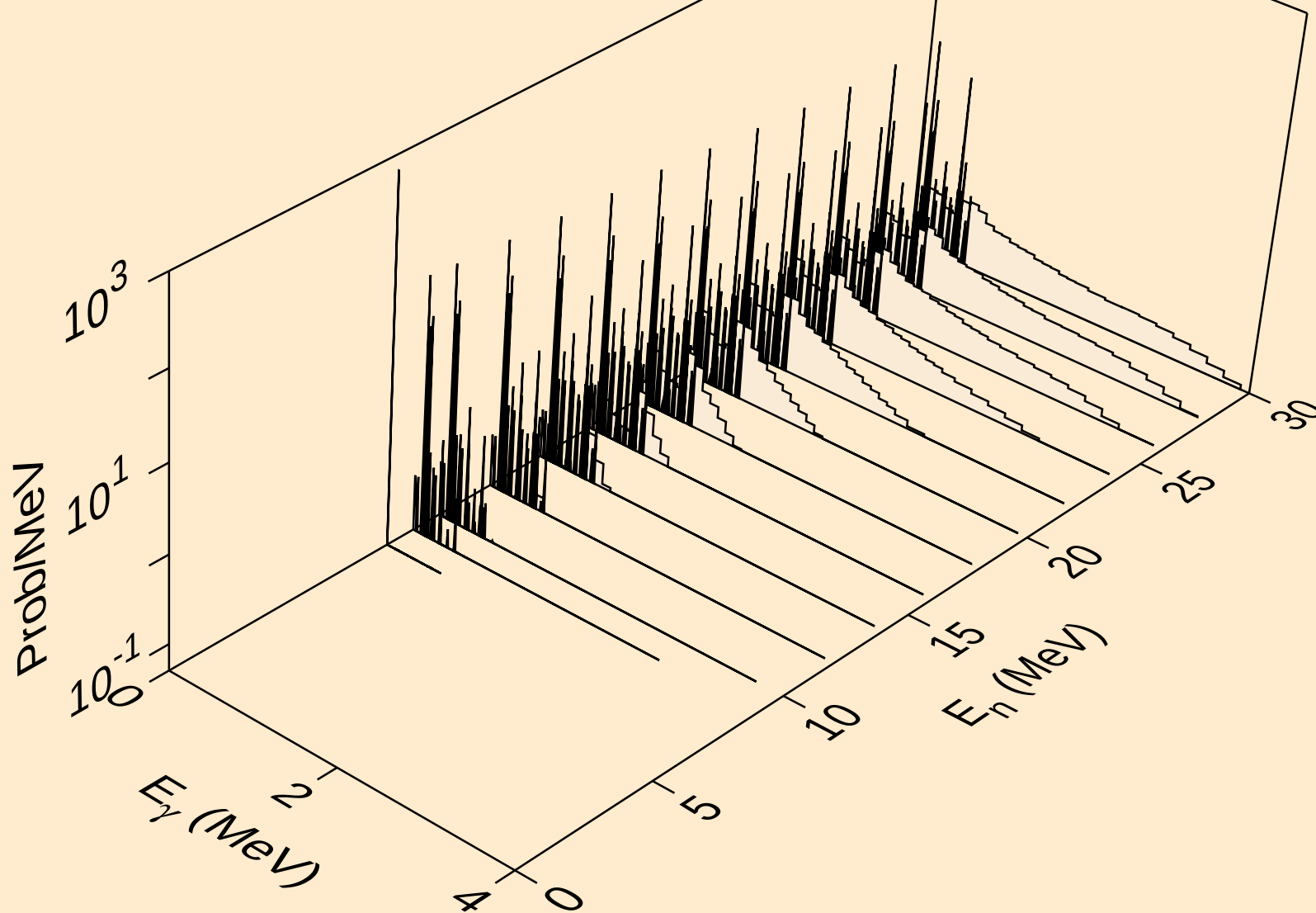
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Photon emission for (n,2a)



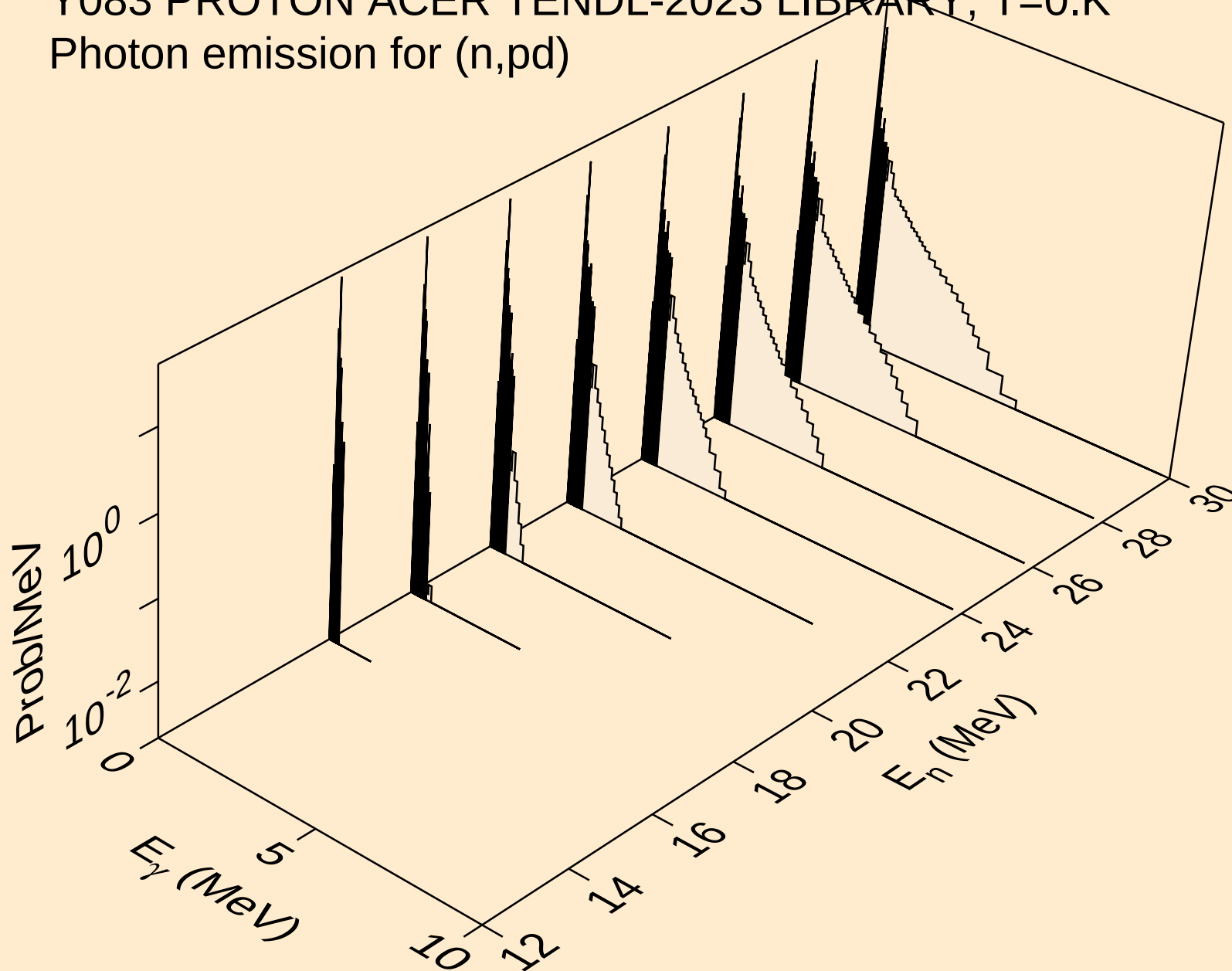
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Photon emission for (n,2p)



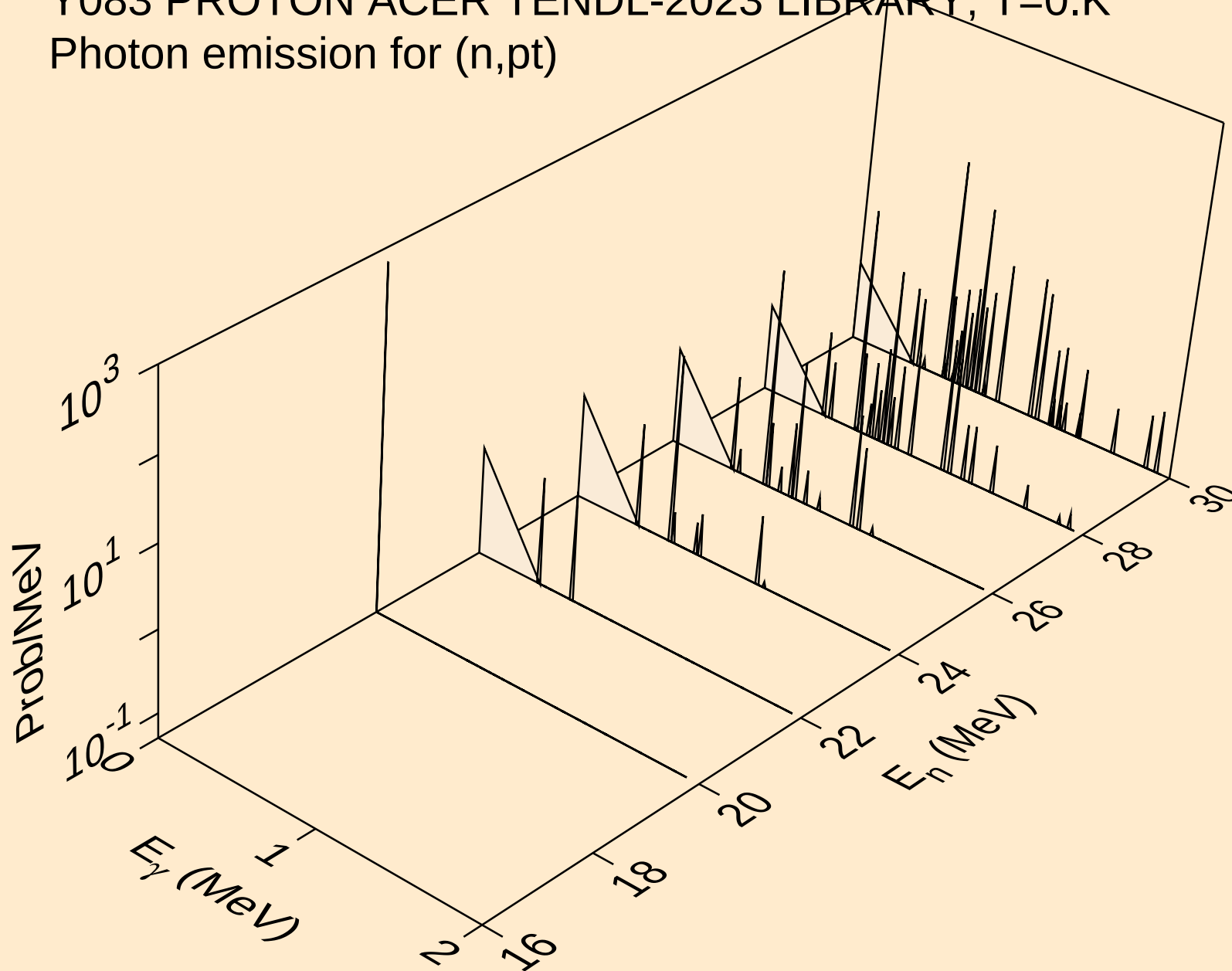
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Photon emission for (n,pa)



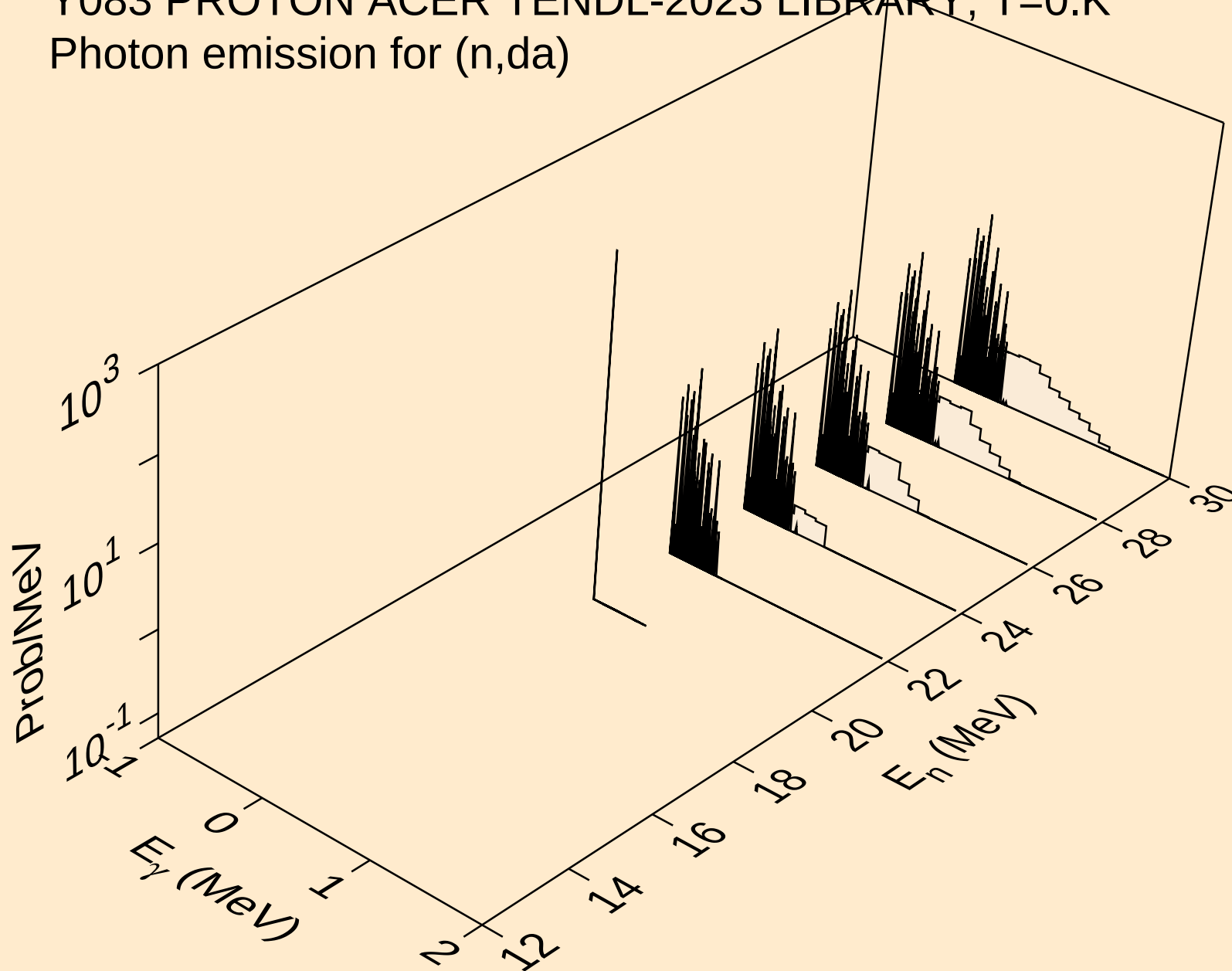
Y083 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



Y083 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

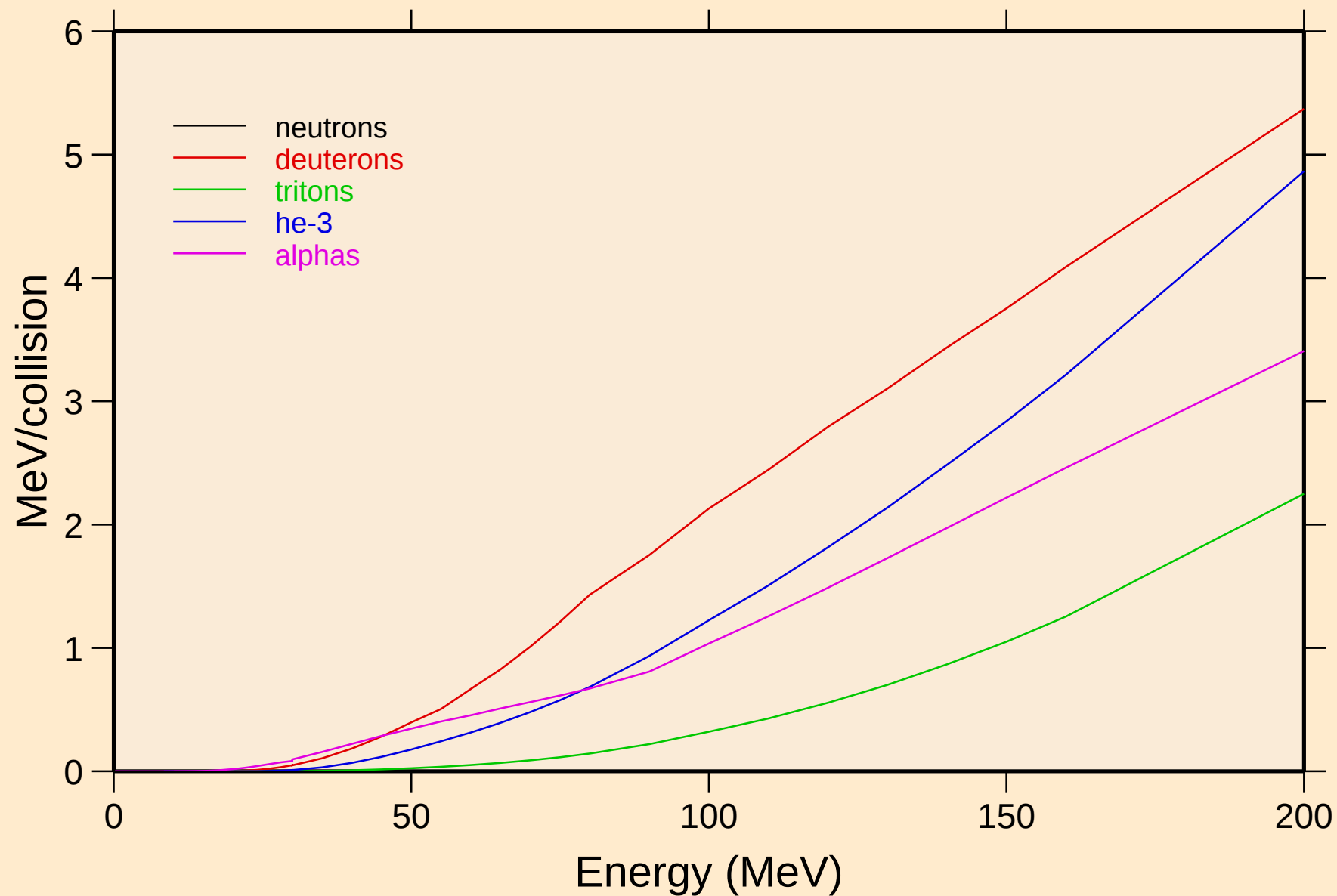


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Photon emission for (n,da)



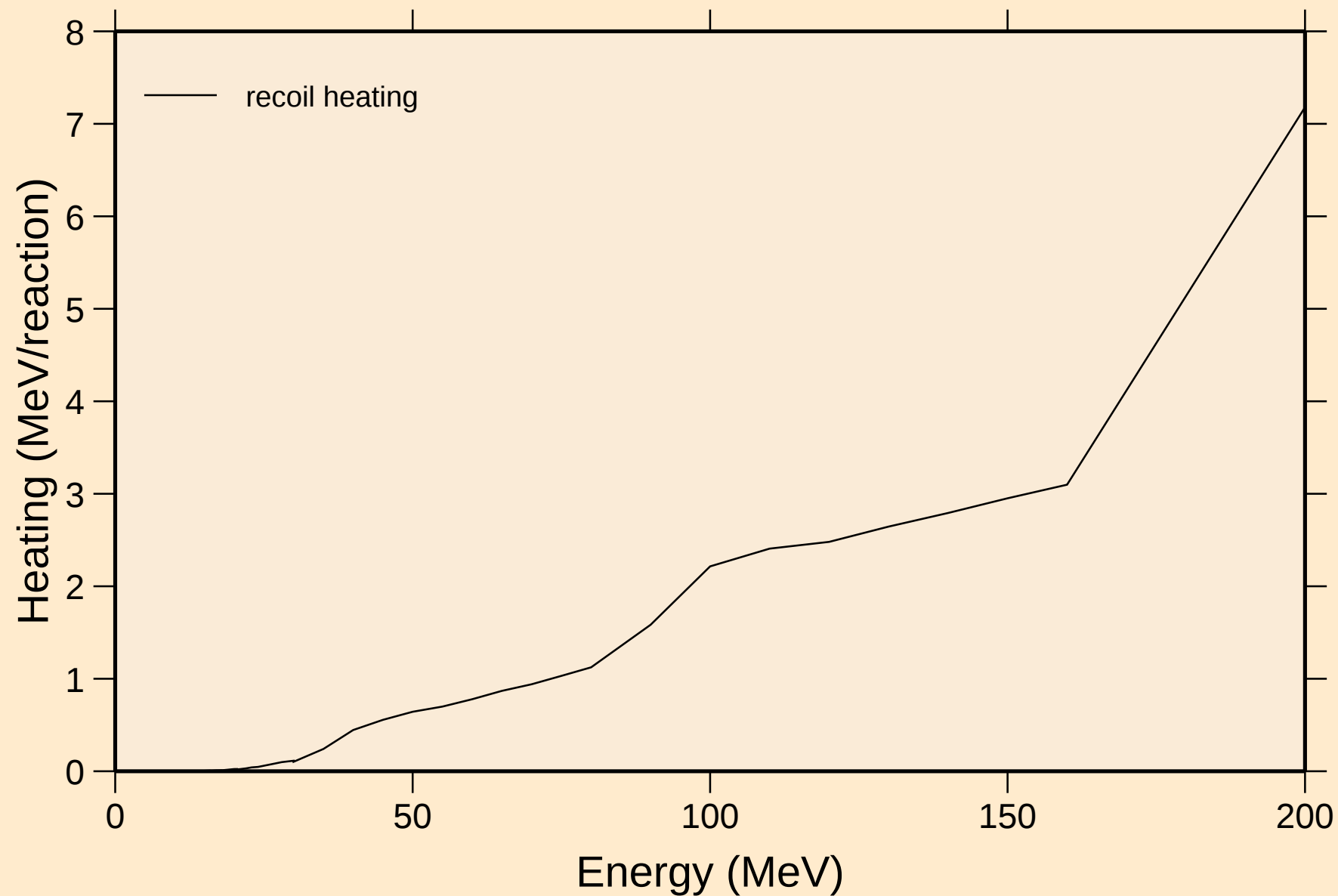
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## Particle heating contributions



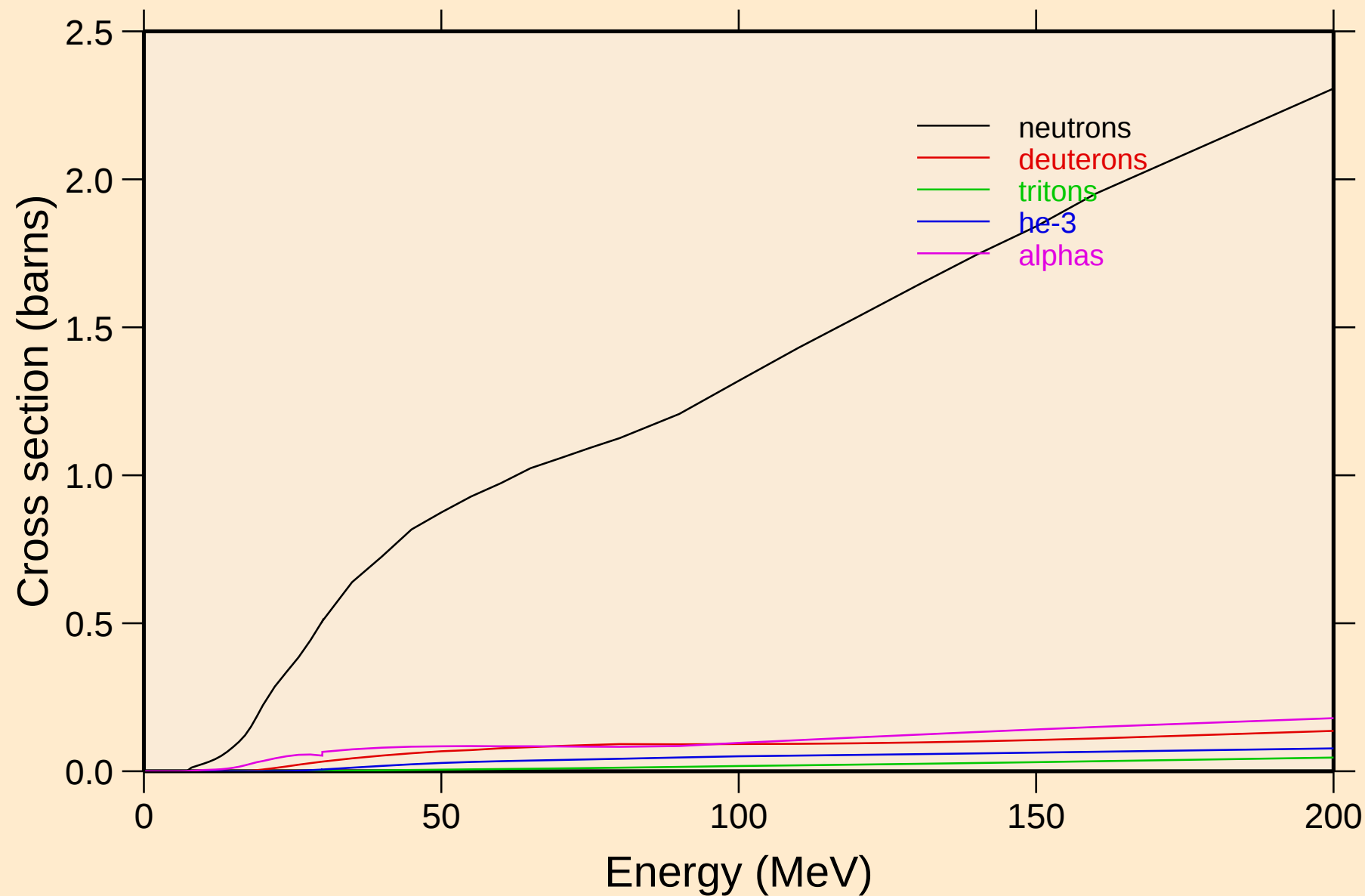
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Recoil Heating

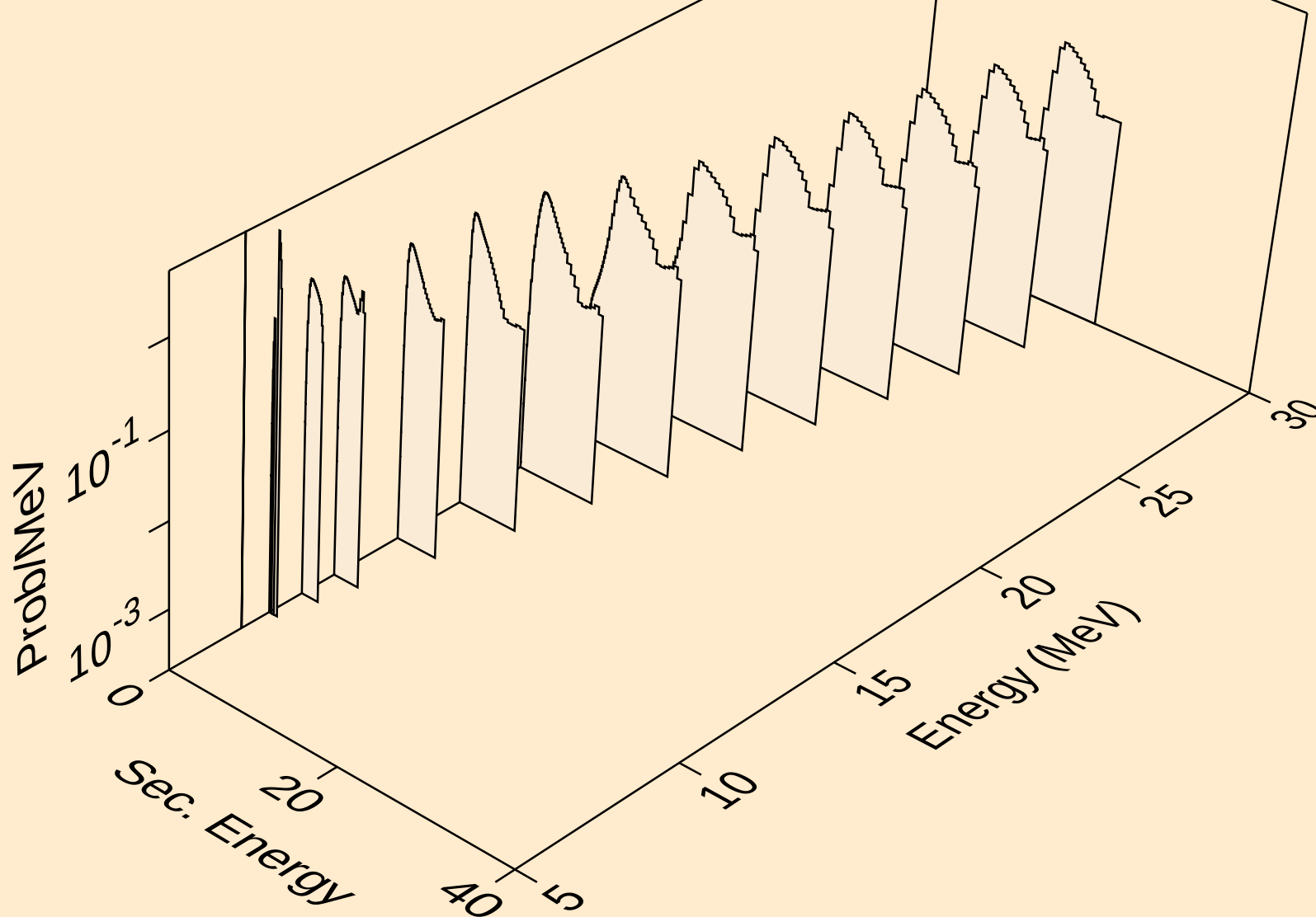


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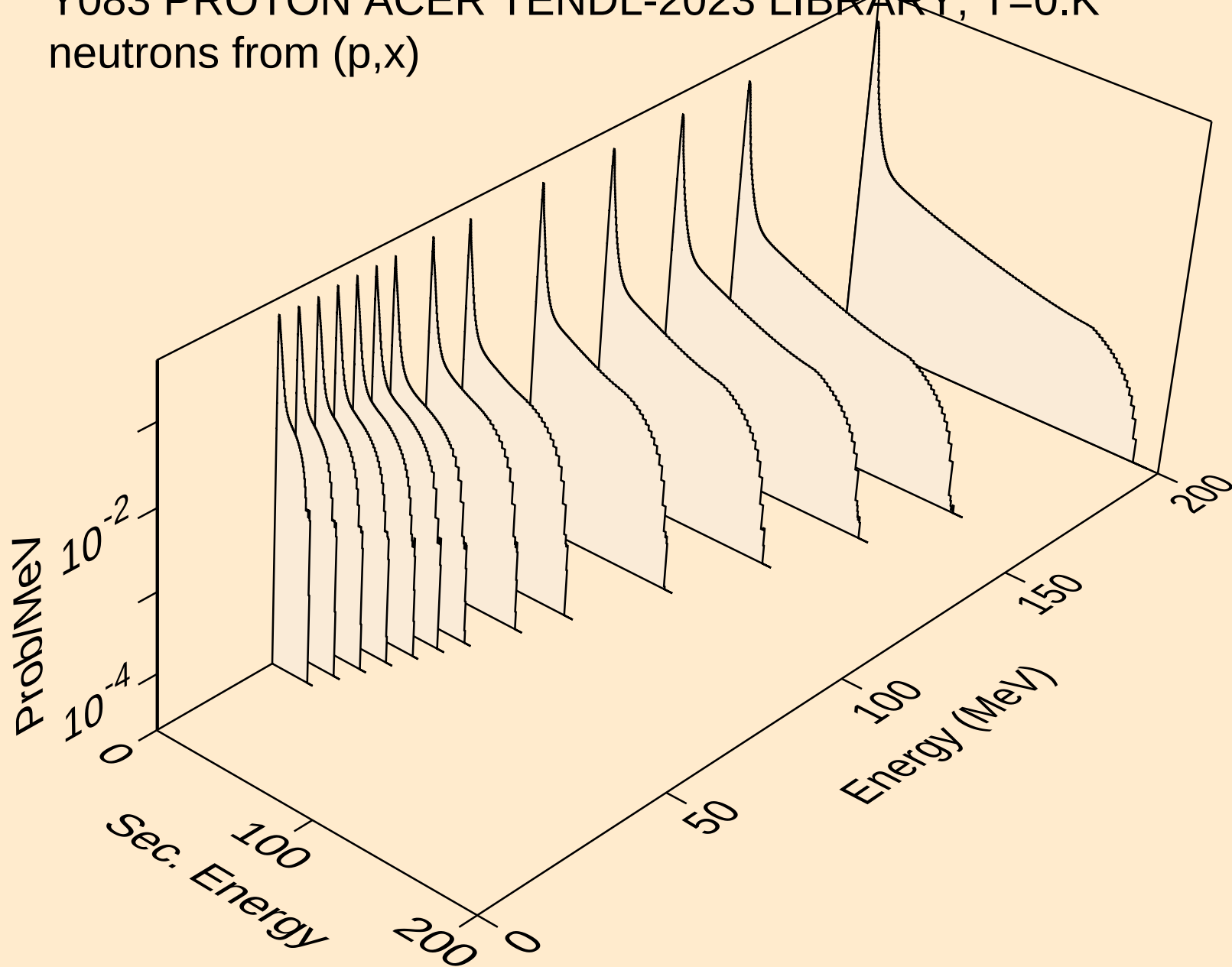
## Particle production cross sections



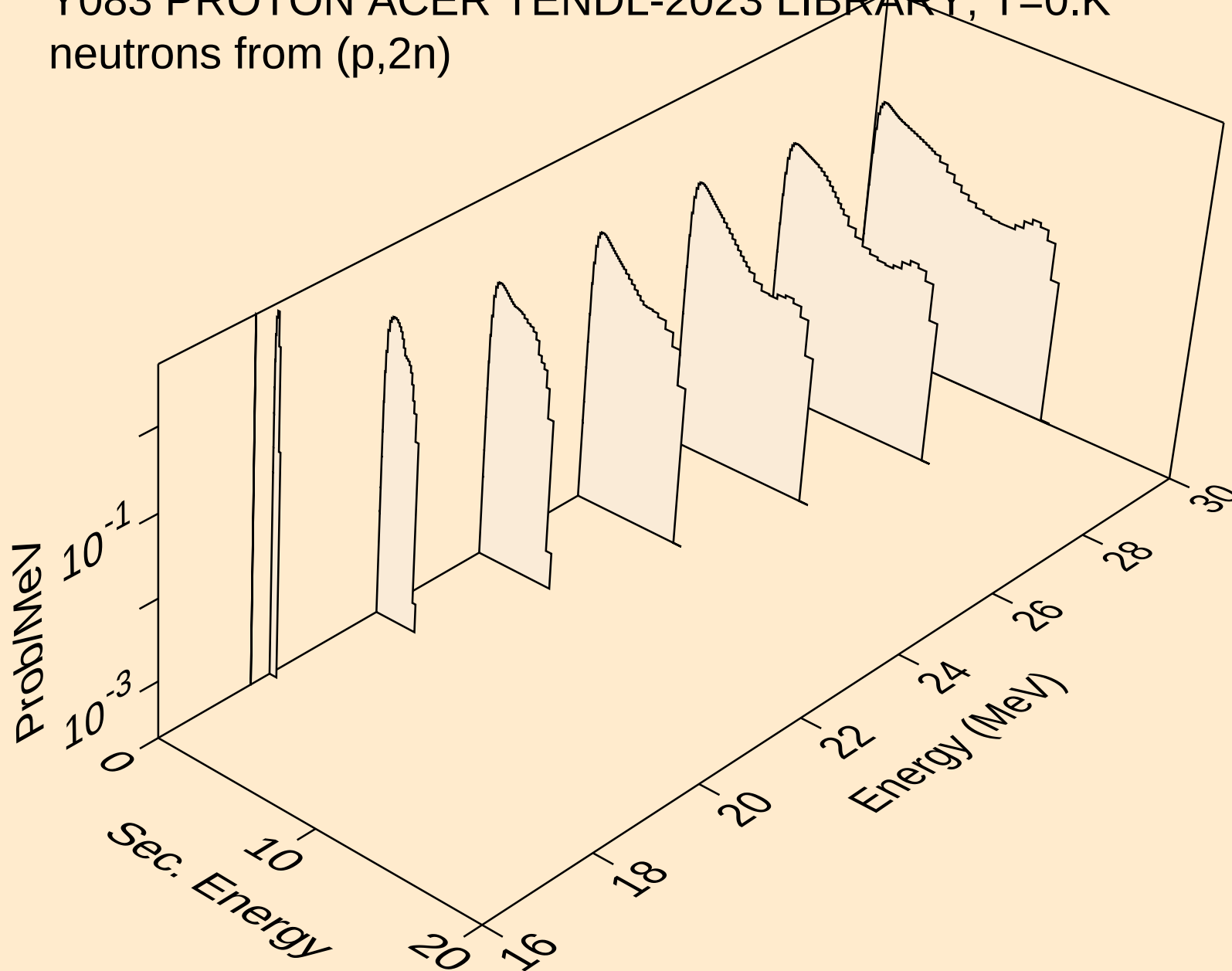
Y083 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)



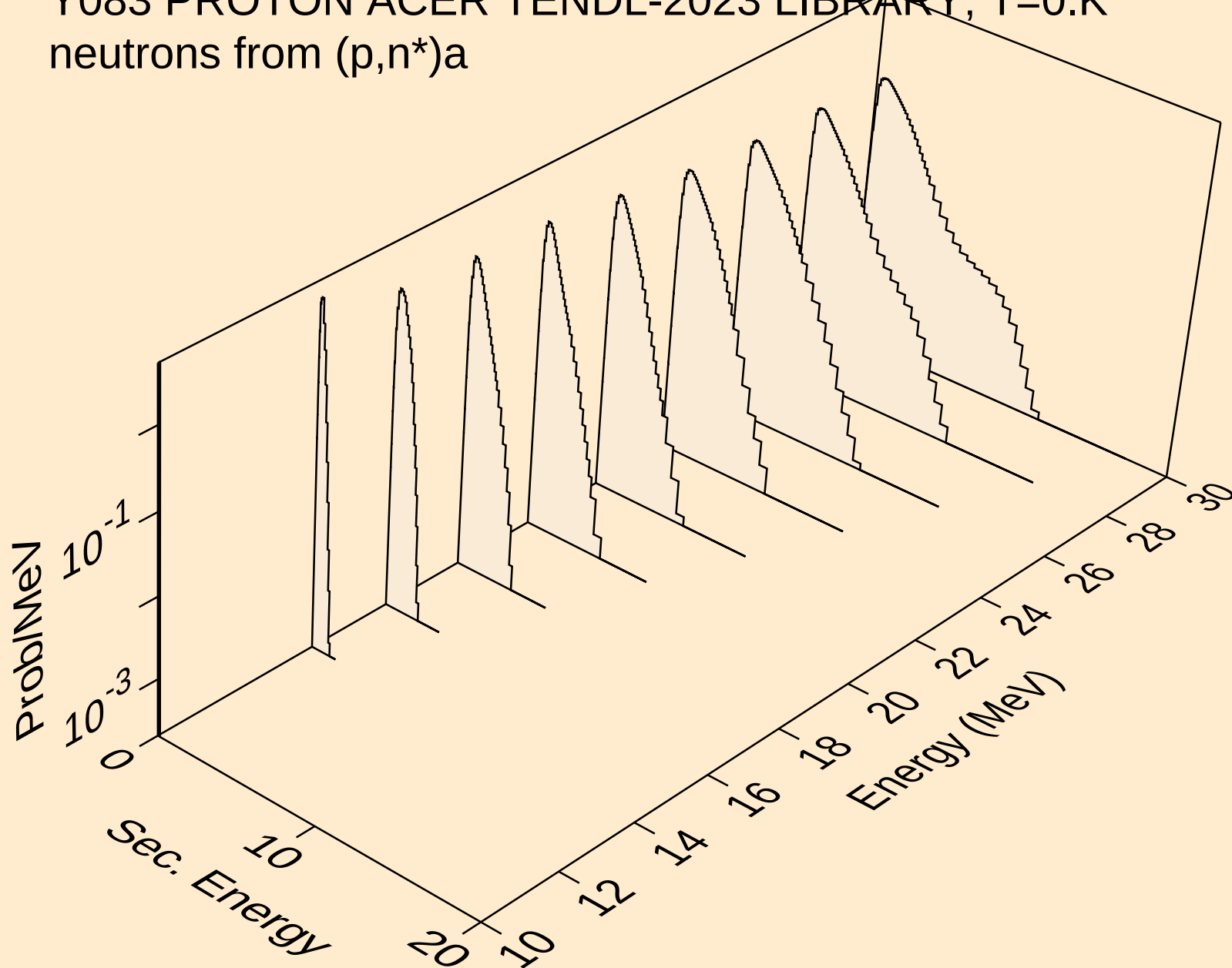
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neutrons from (p,x)



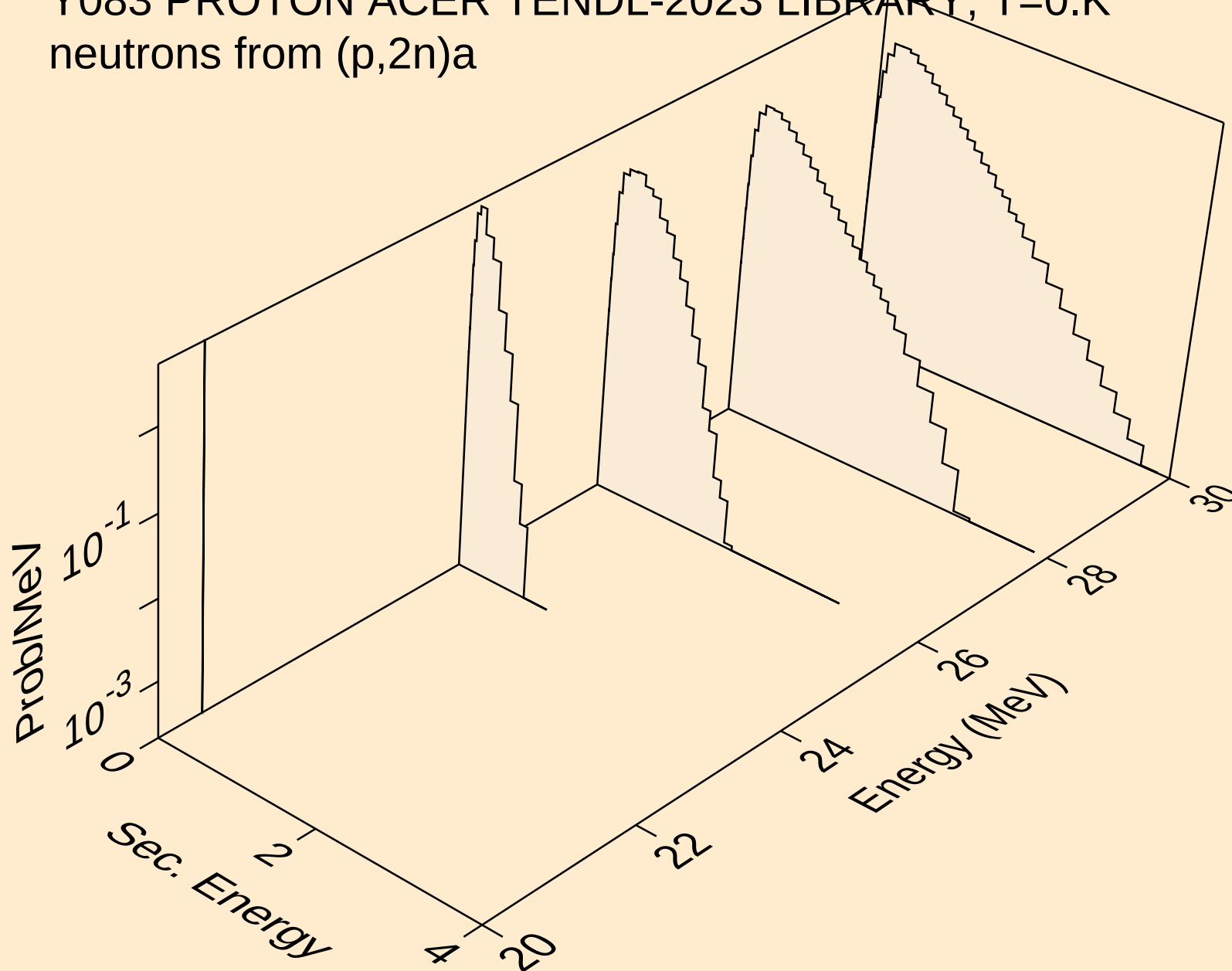
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neutrons from (p,2n)



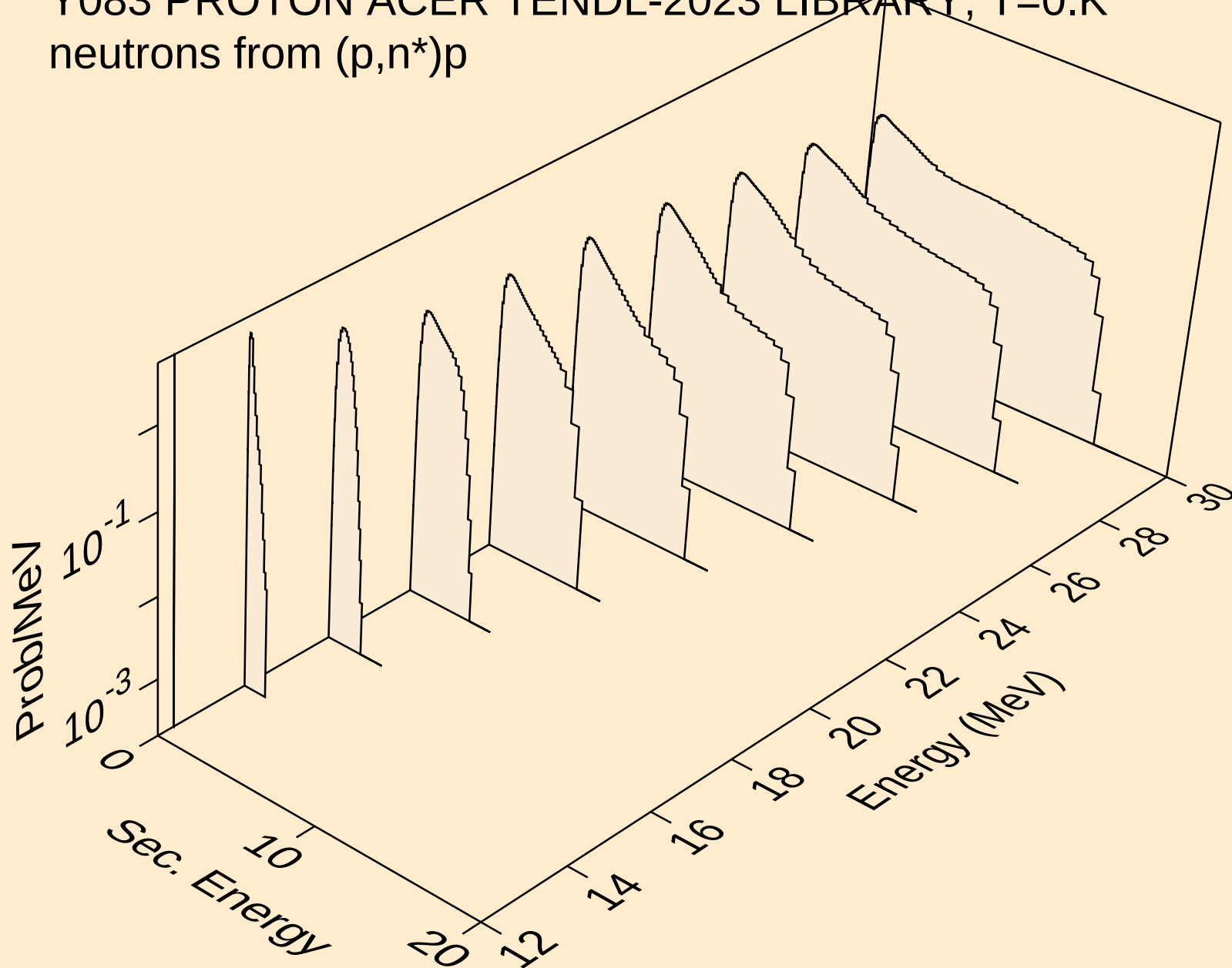
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neutrons from (p,n\*)a



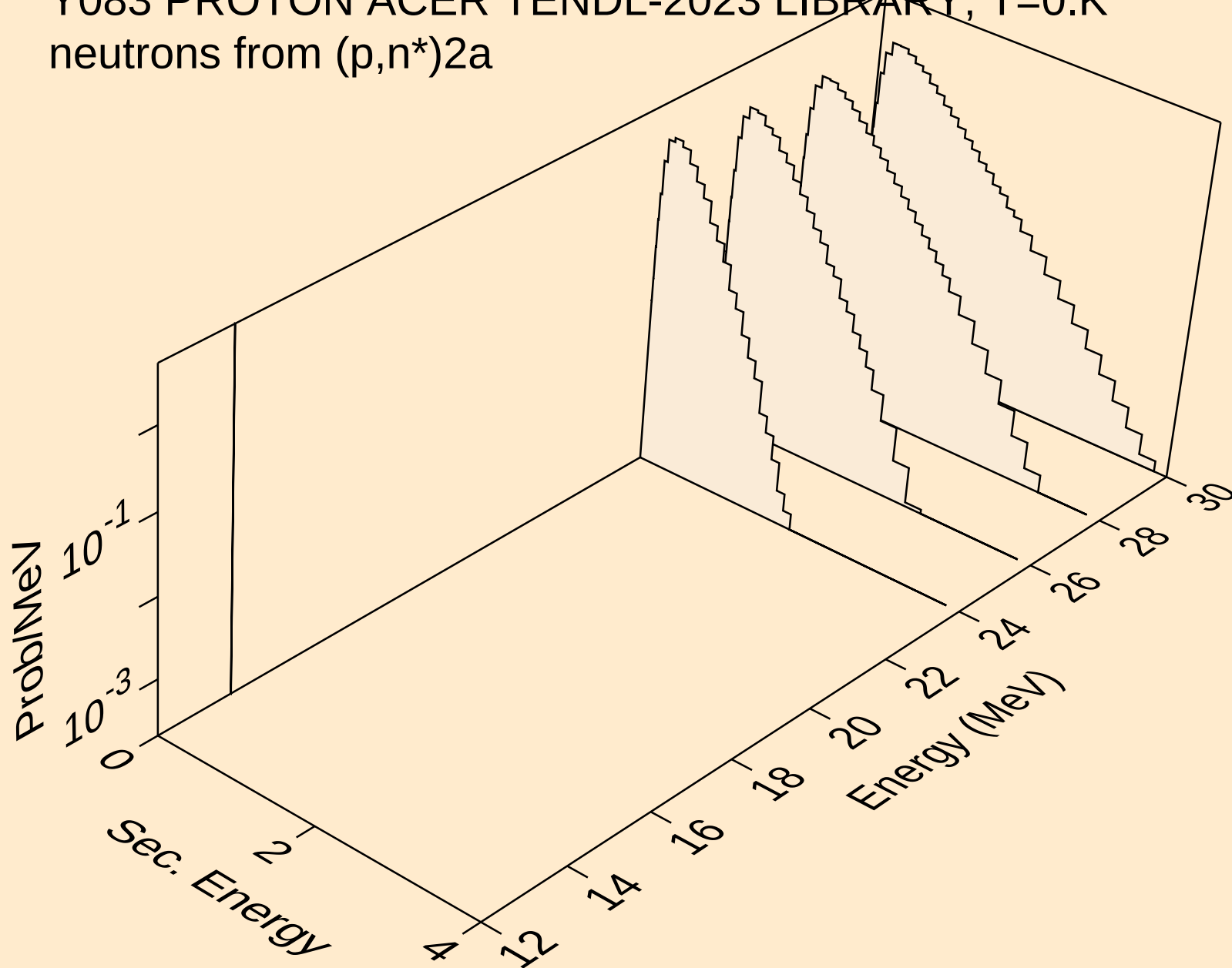
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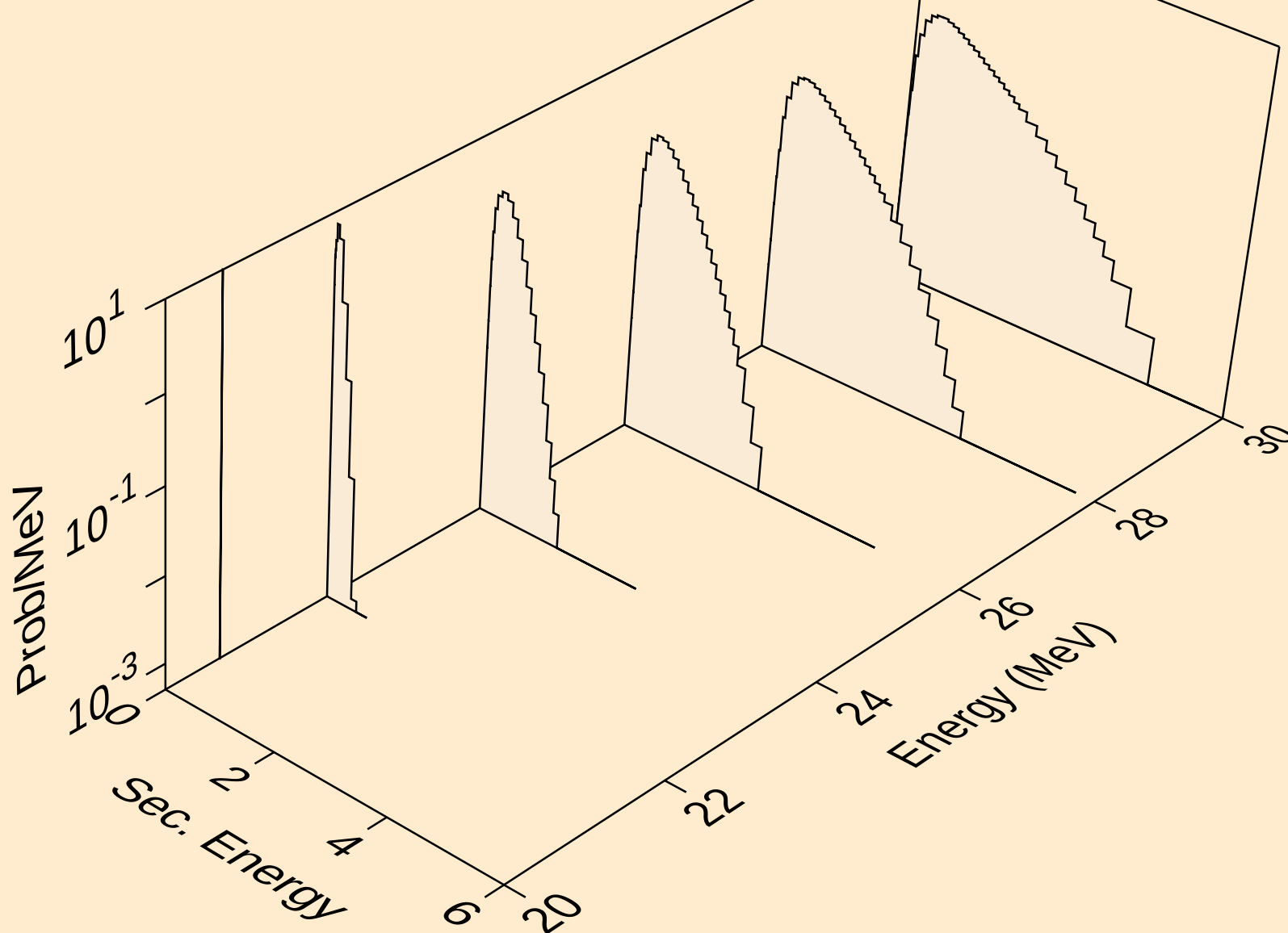
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neutrons from (p,n\*)p



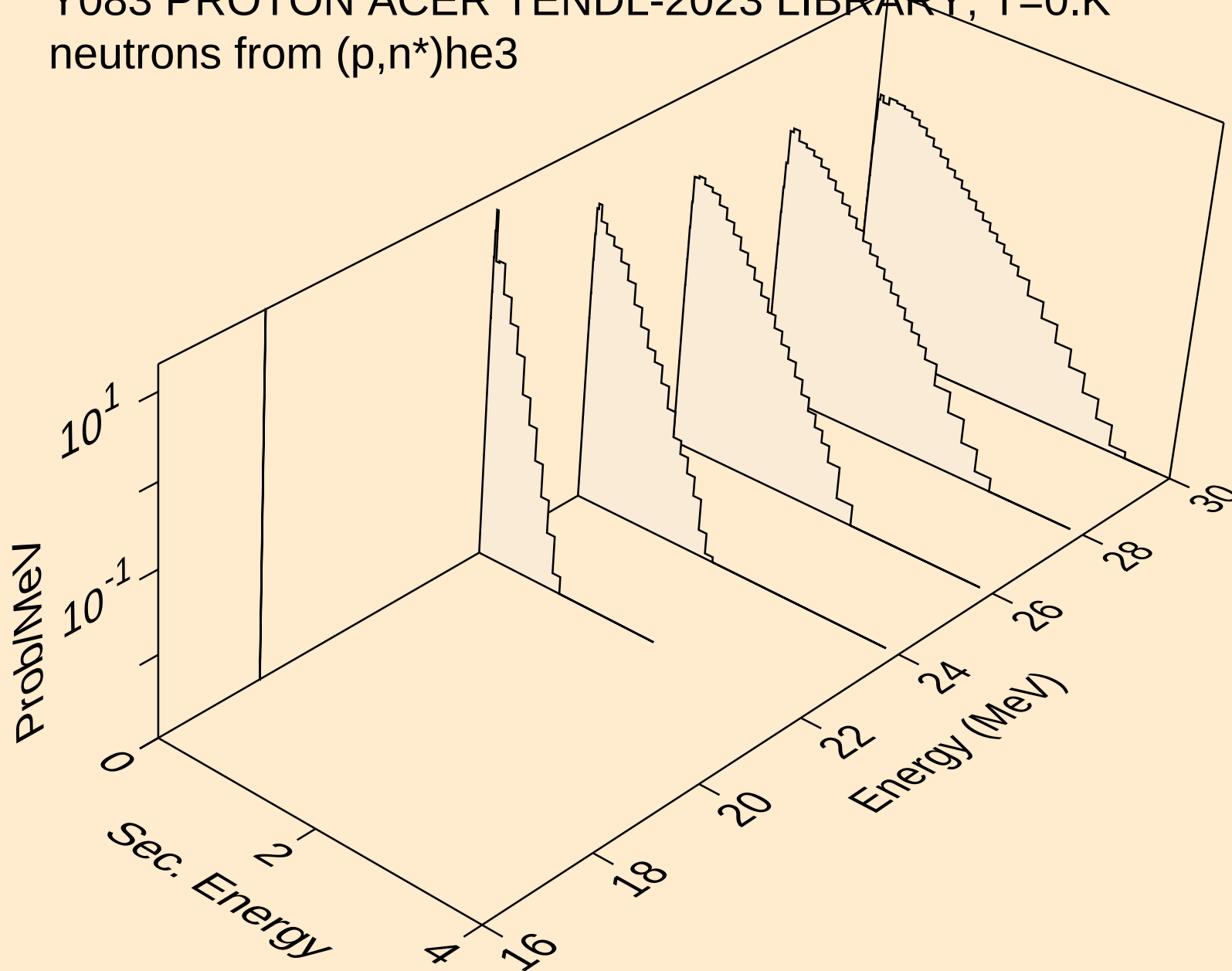
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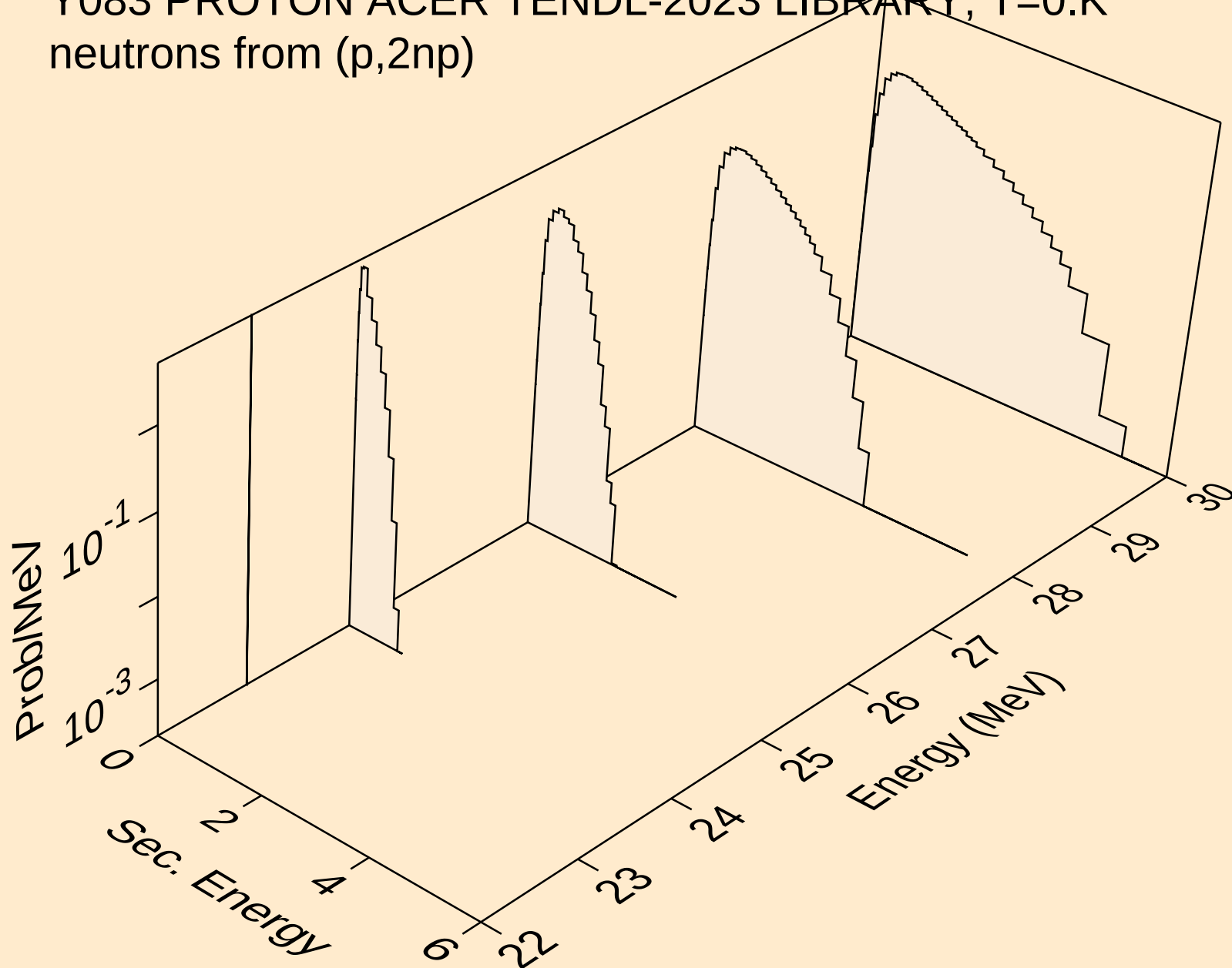
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neutrons from (p,n\*)d



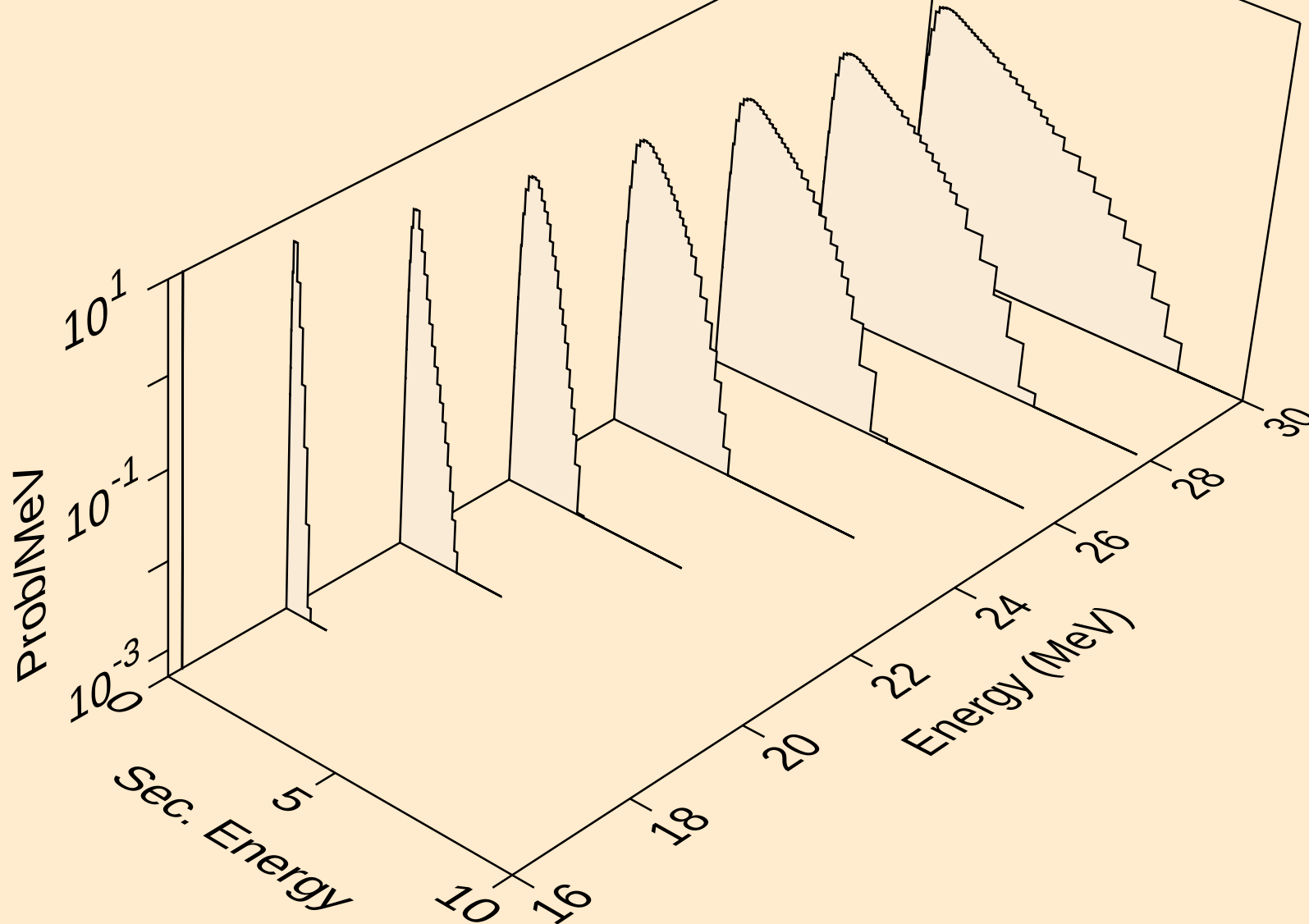
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neutrons from (p,n\*)he3



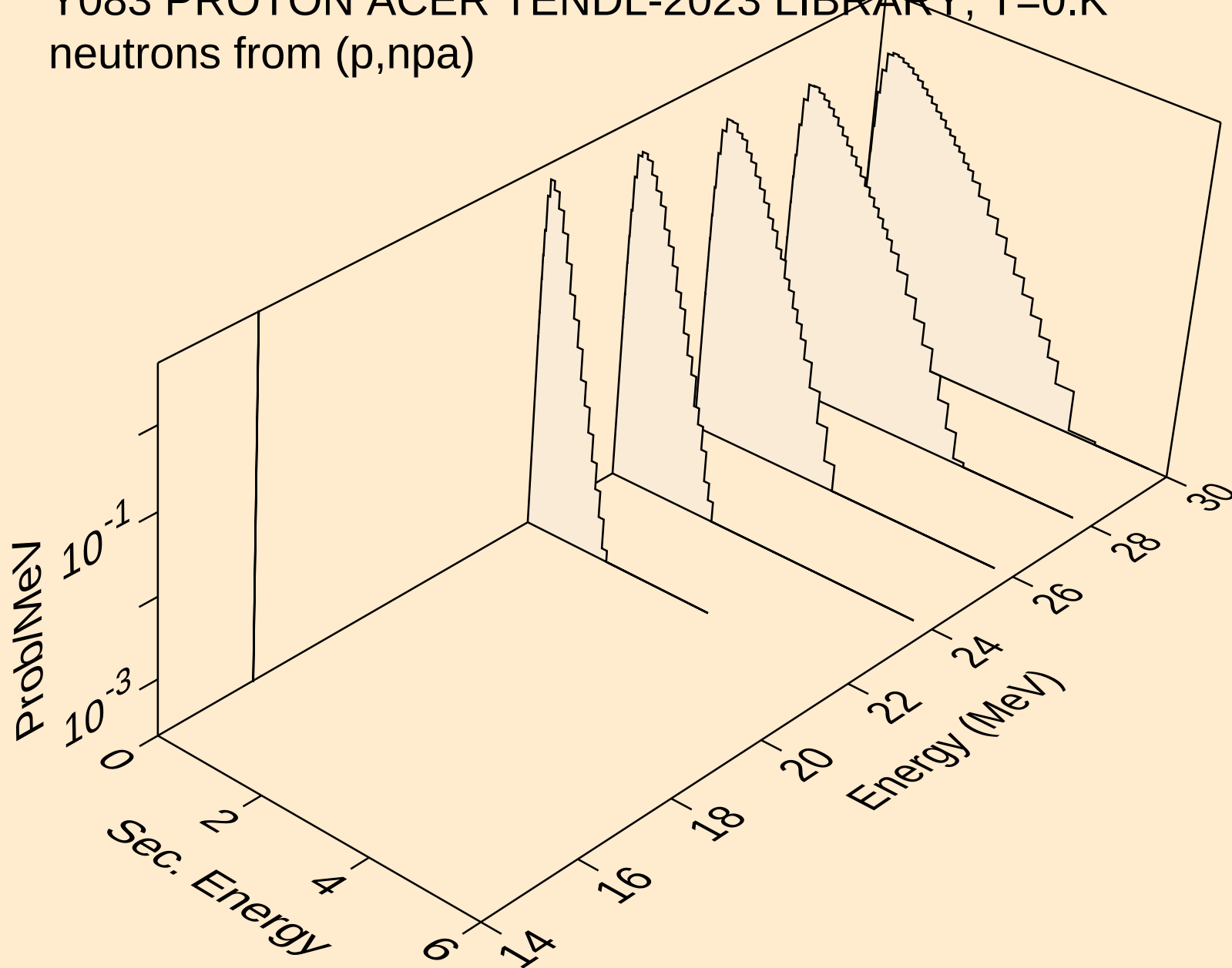
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neutrons from (p,2np)



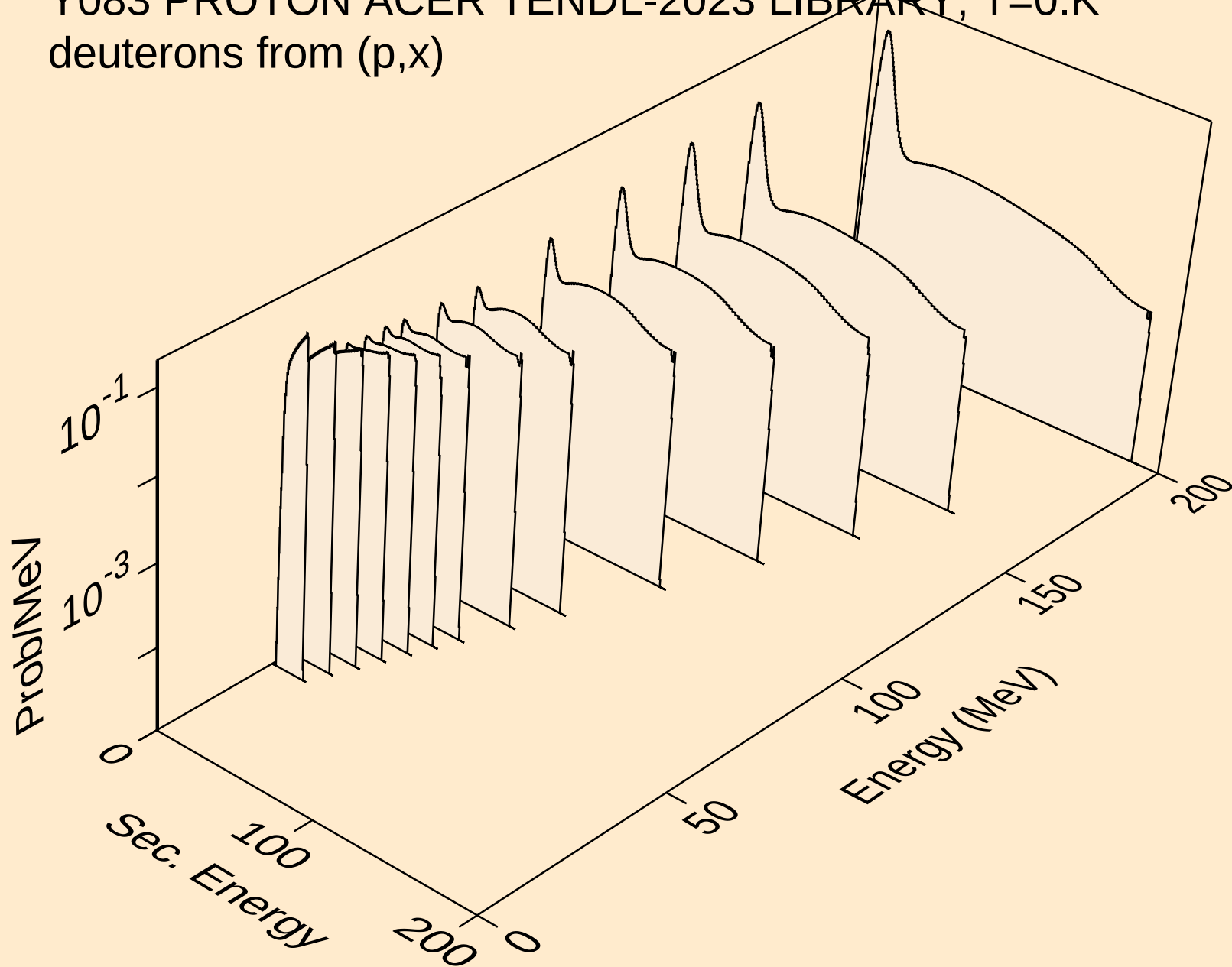
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neutrons from (p,n2p)



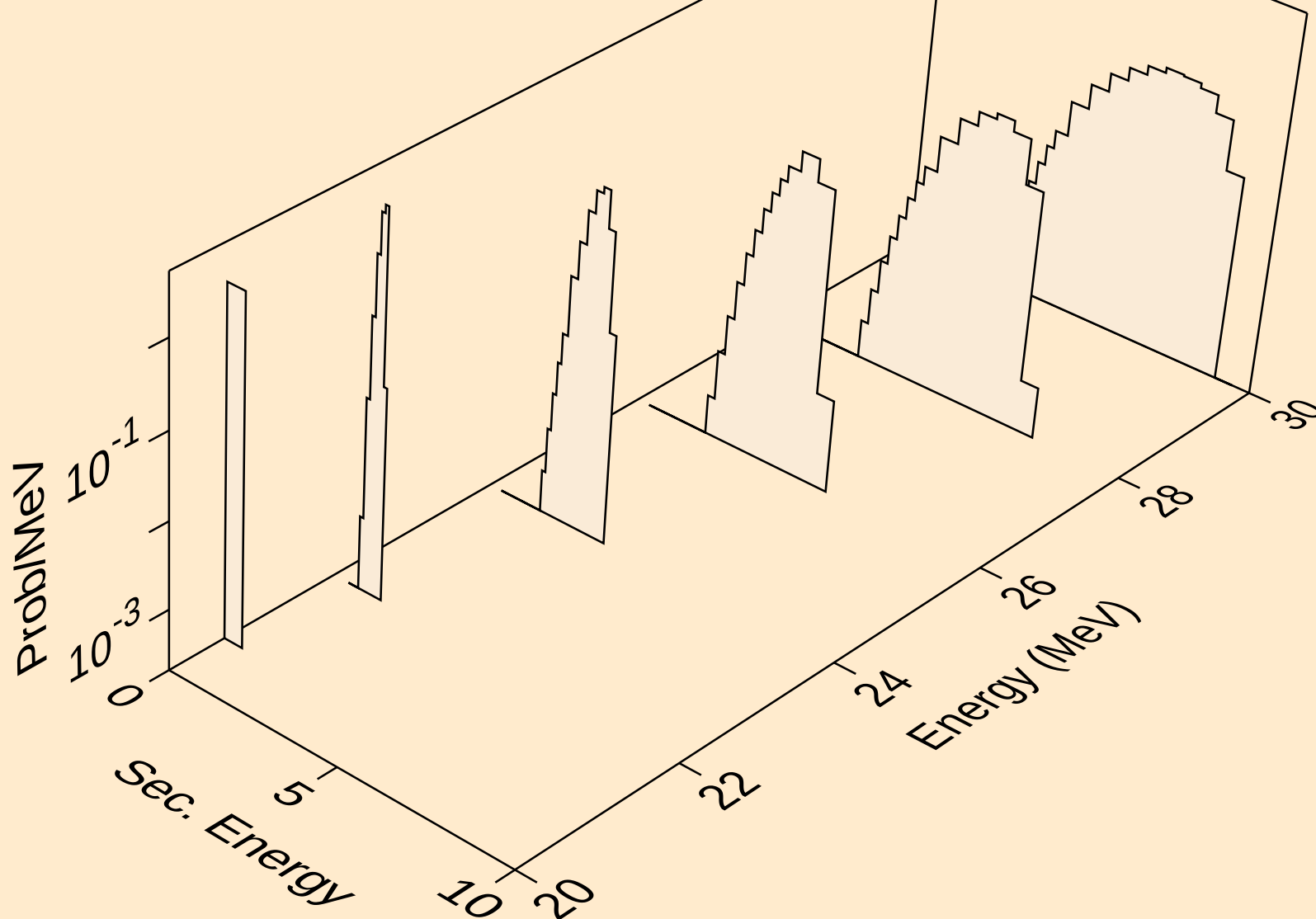
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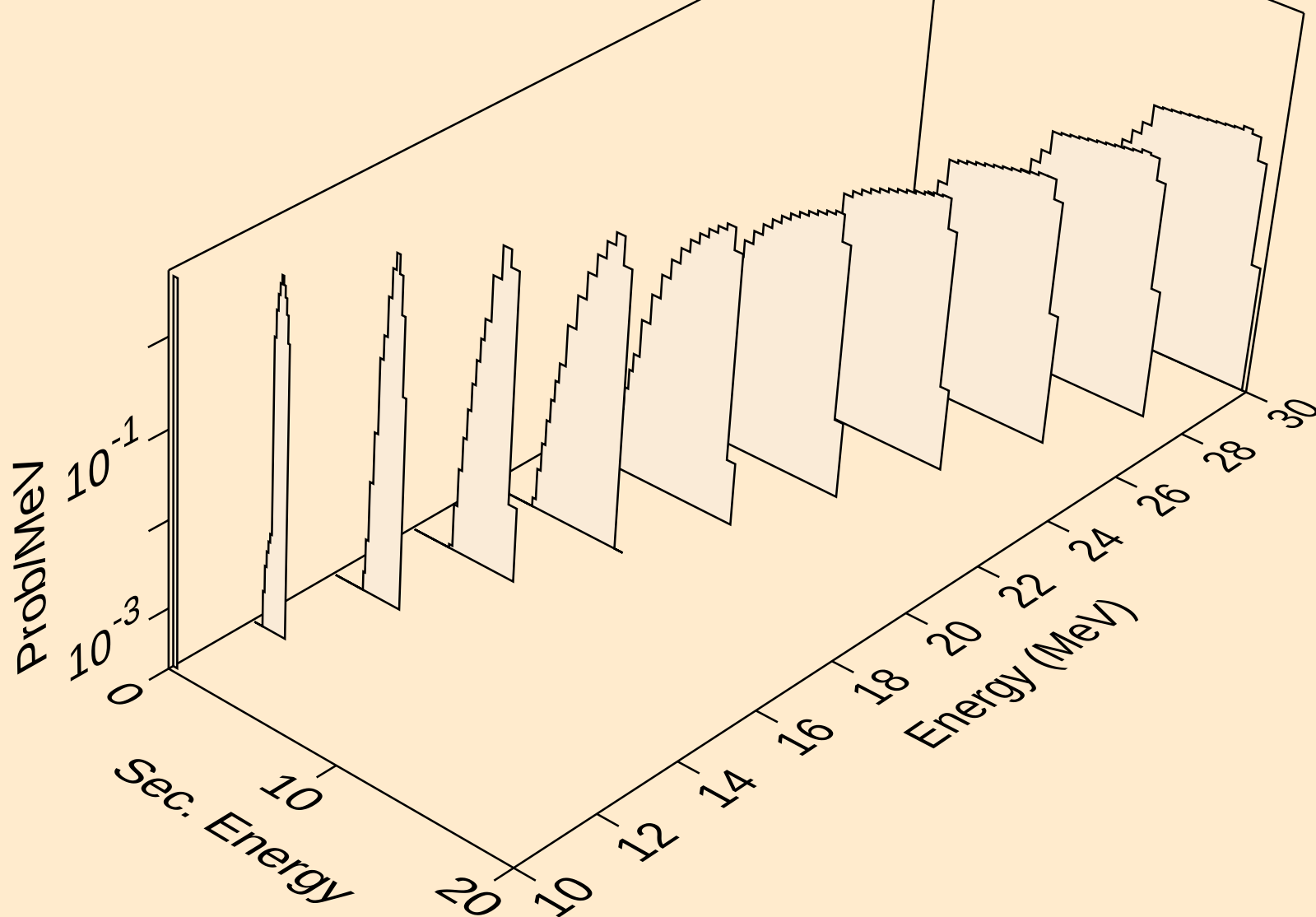
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deuterons from (p,x)



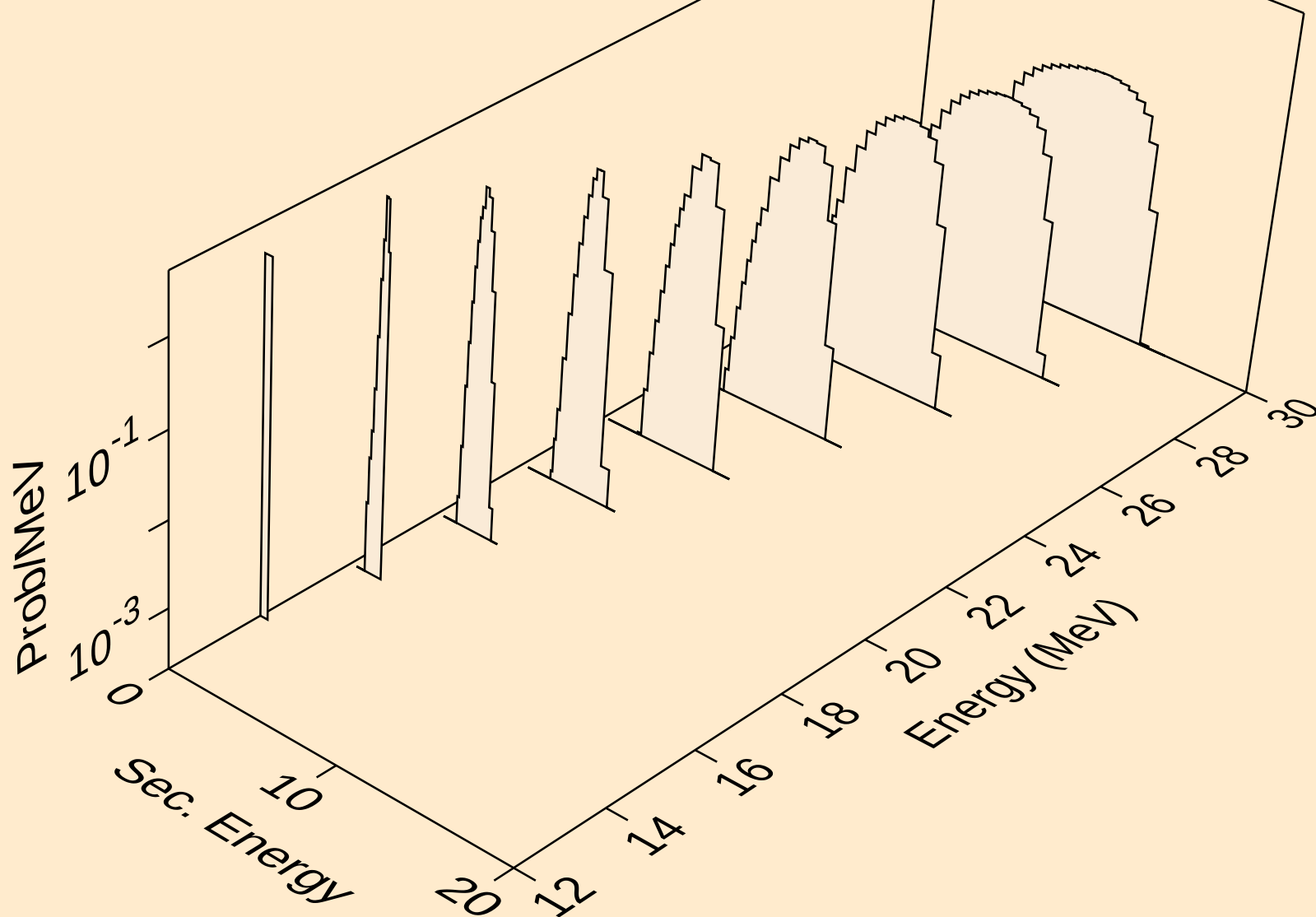
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deuterons from (p,n\*)d



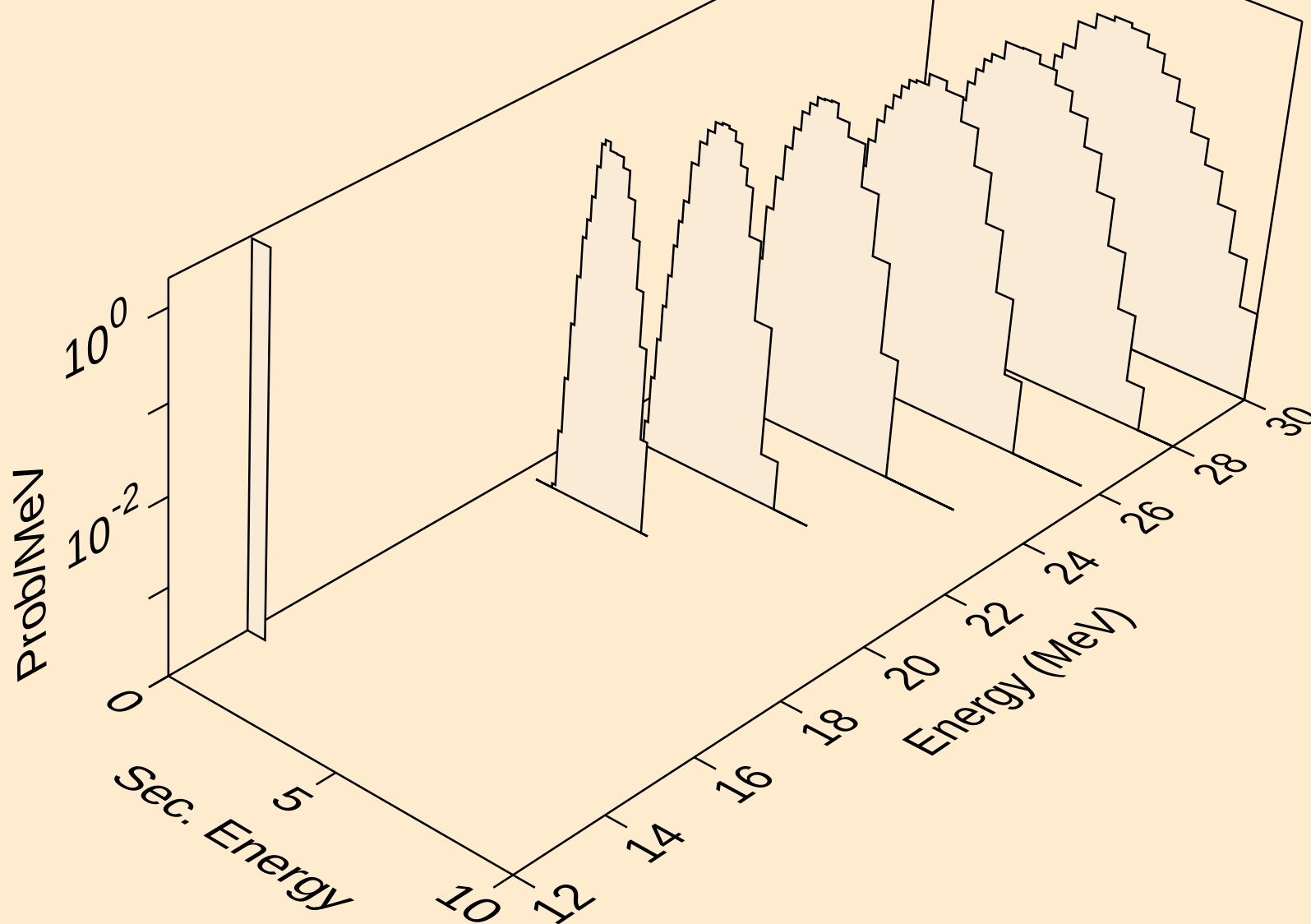
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deuterons from (p,d)



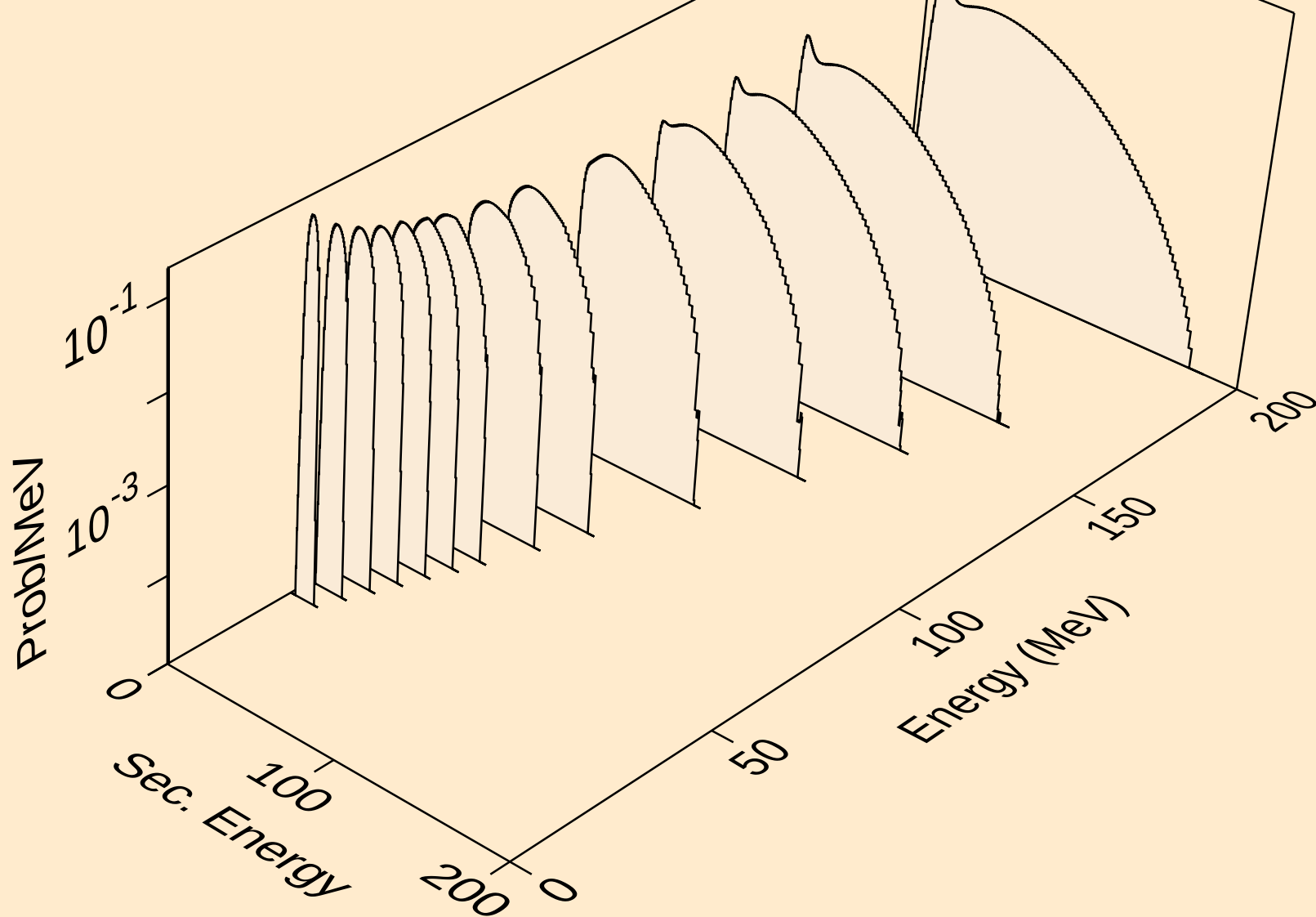
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deuterons from (p,pd)



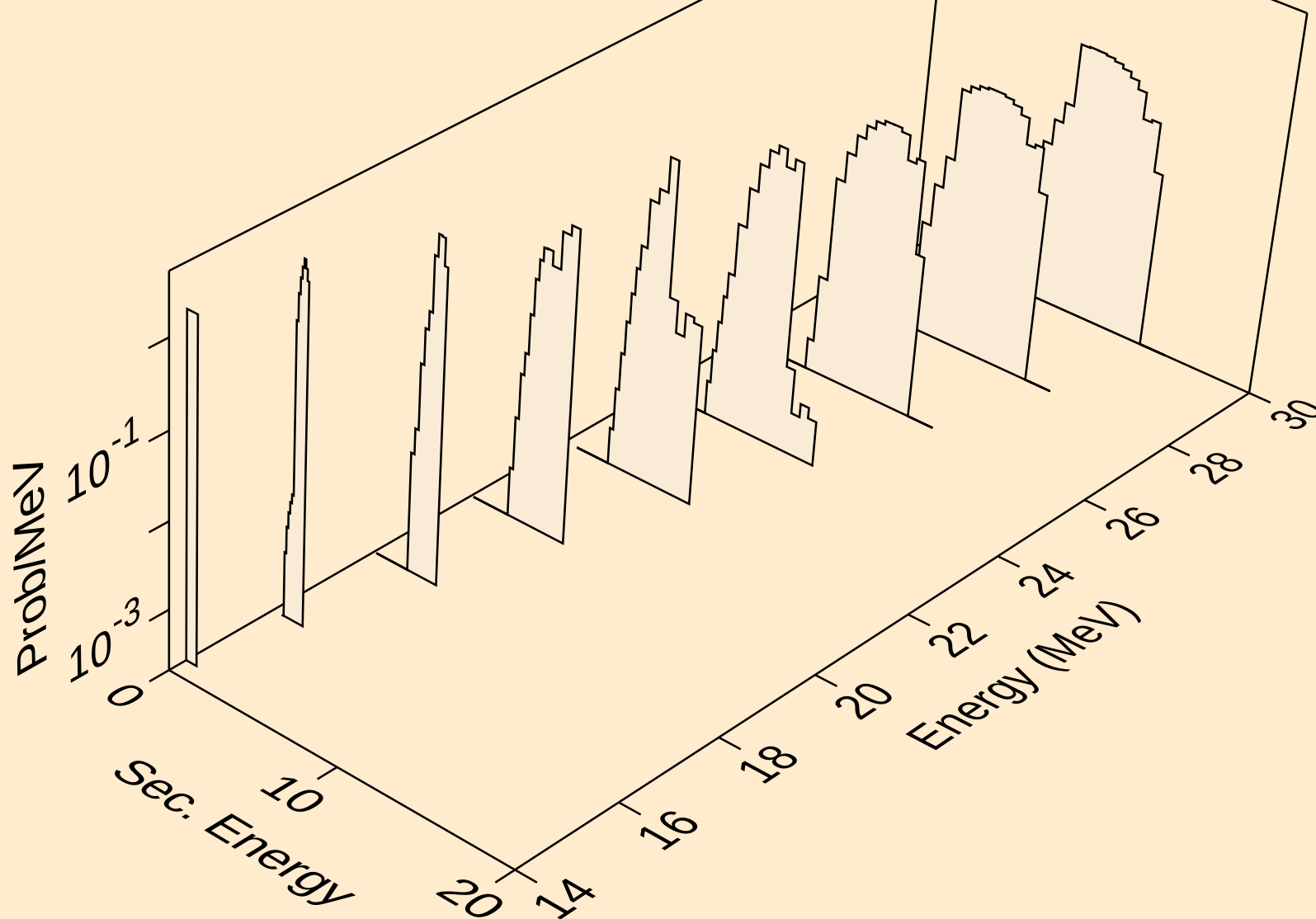
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deuterons from (p,da)



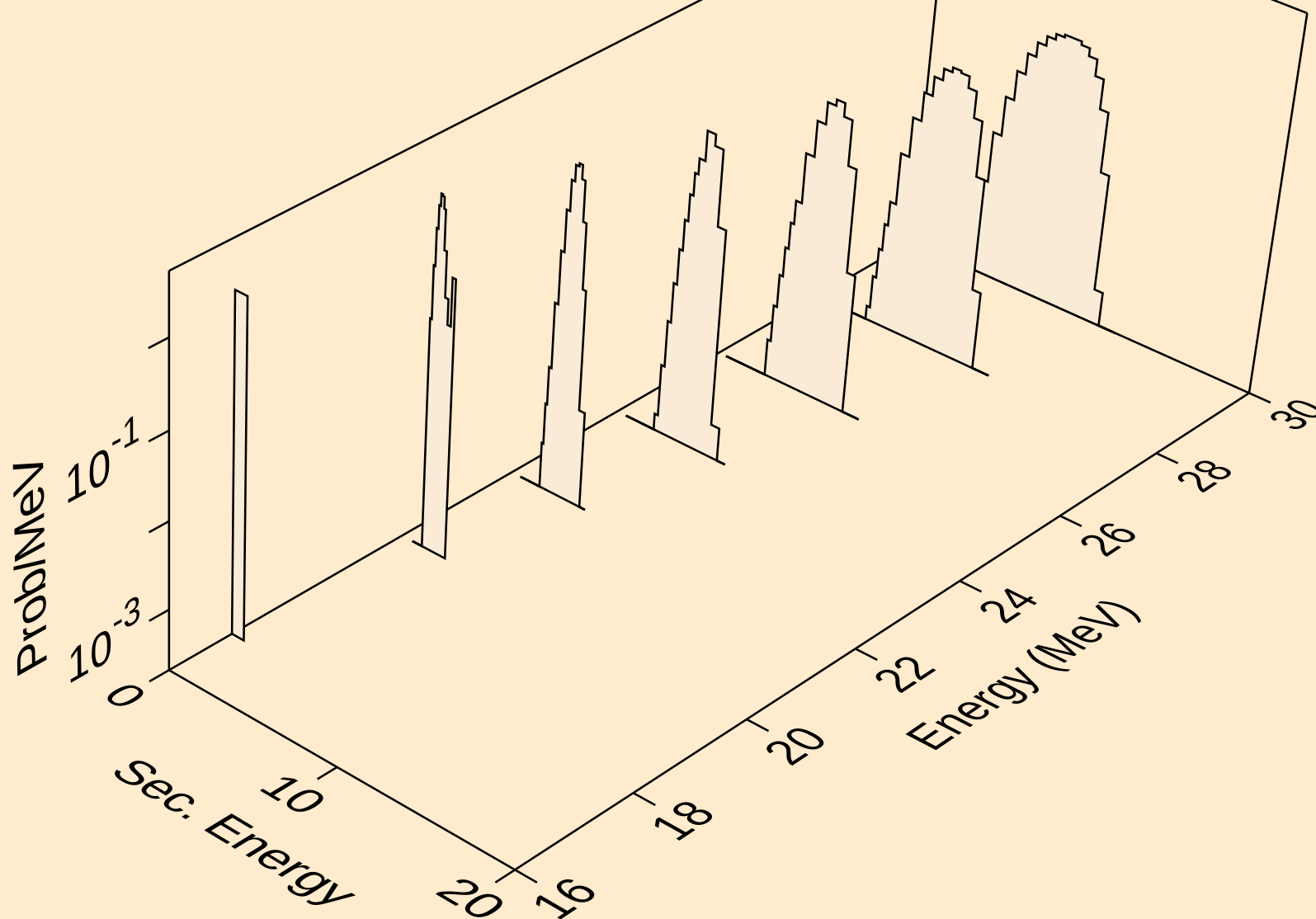
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tritons from (p,x)



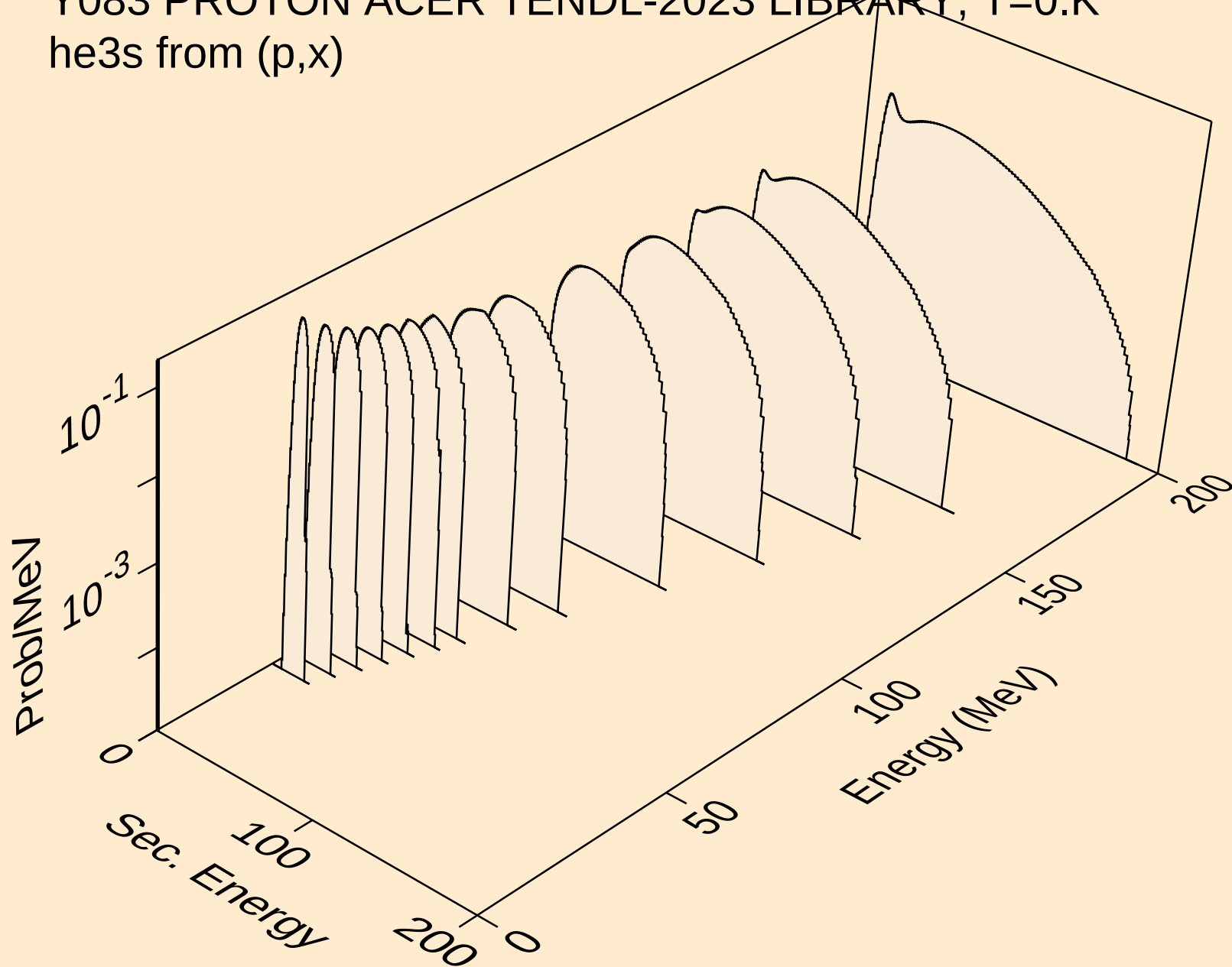
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tritons from (p,t)



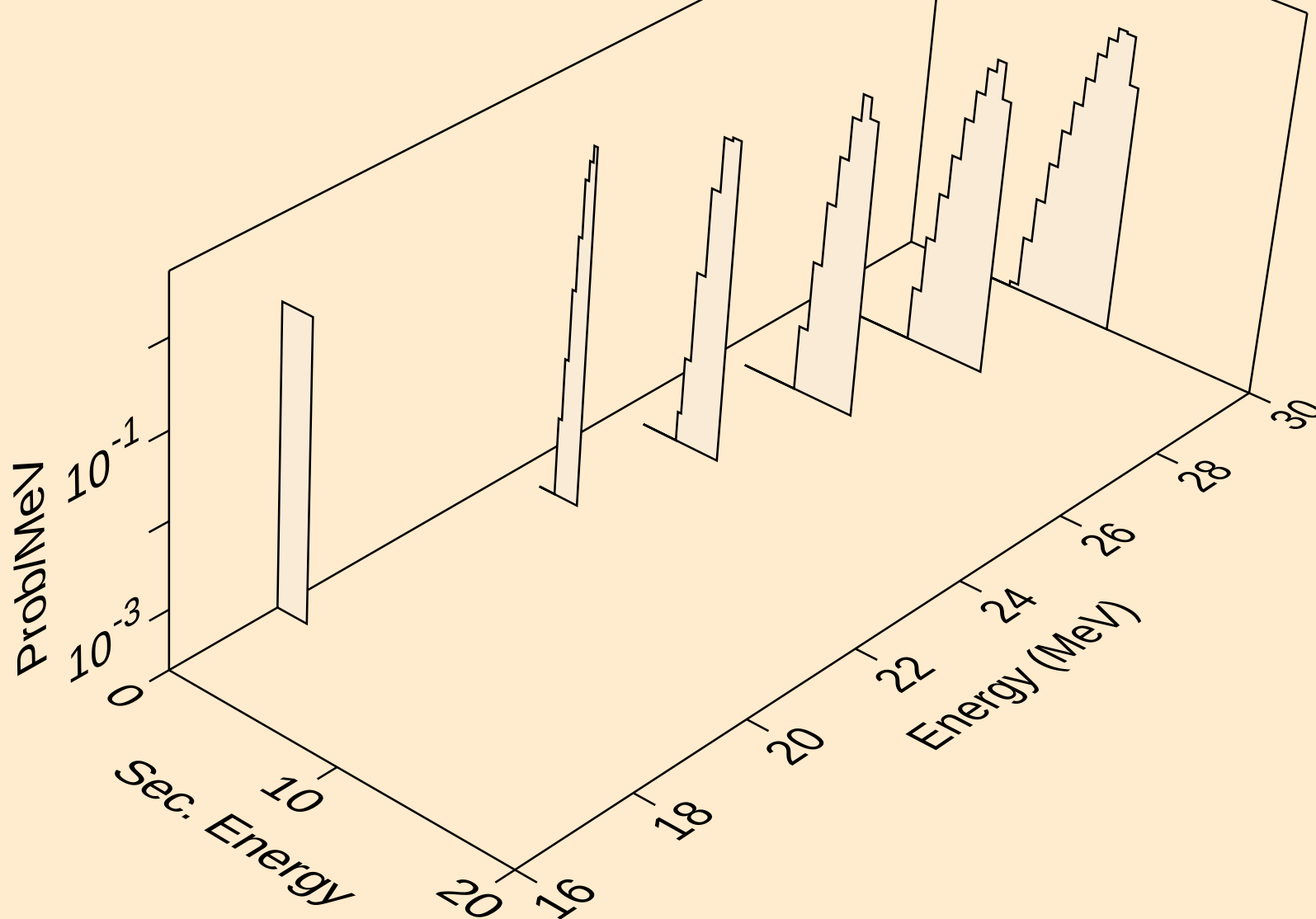
Y083 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,pt)



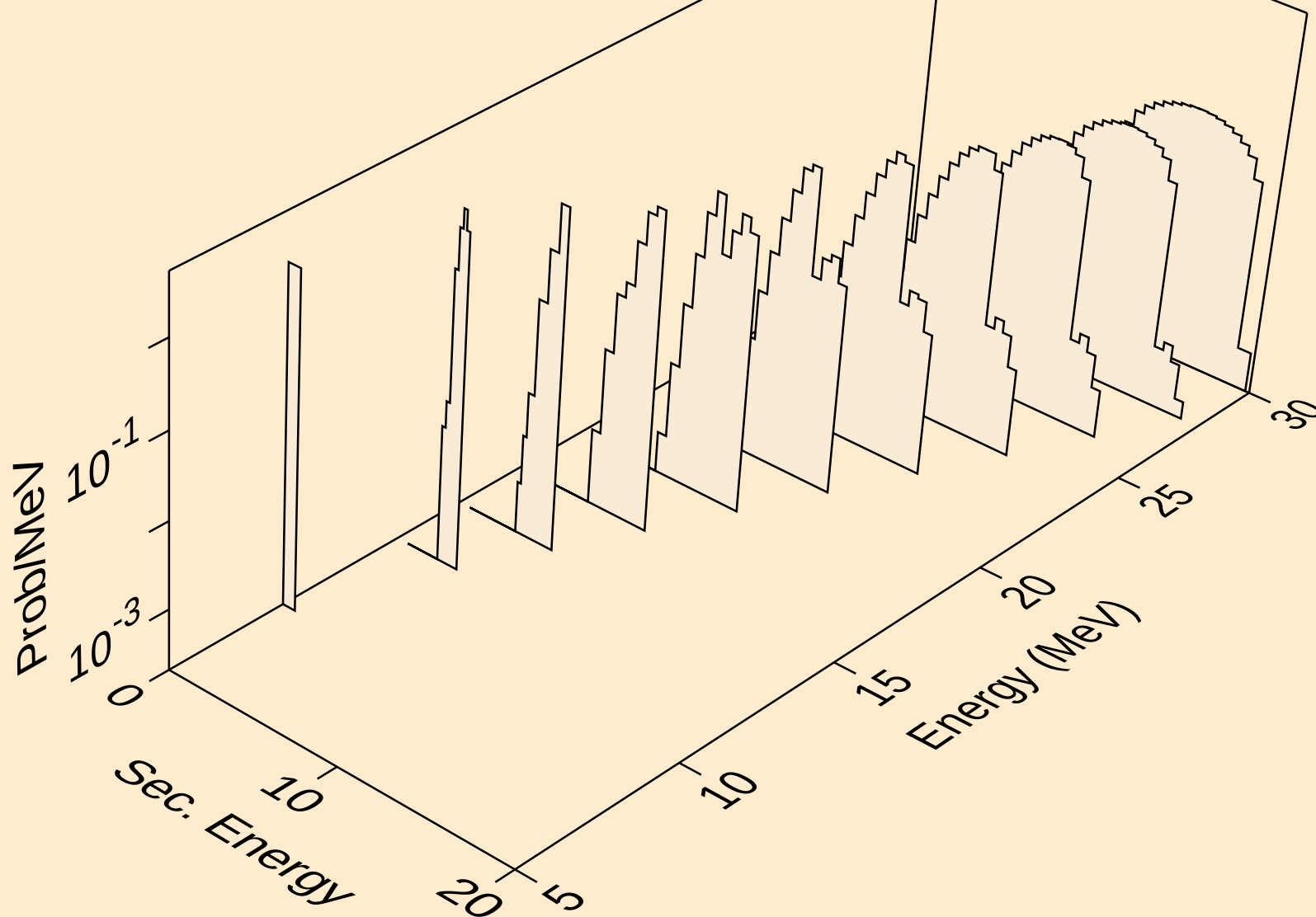
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he3s from (p,x)



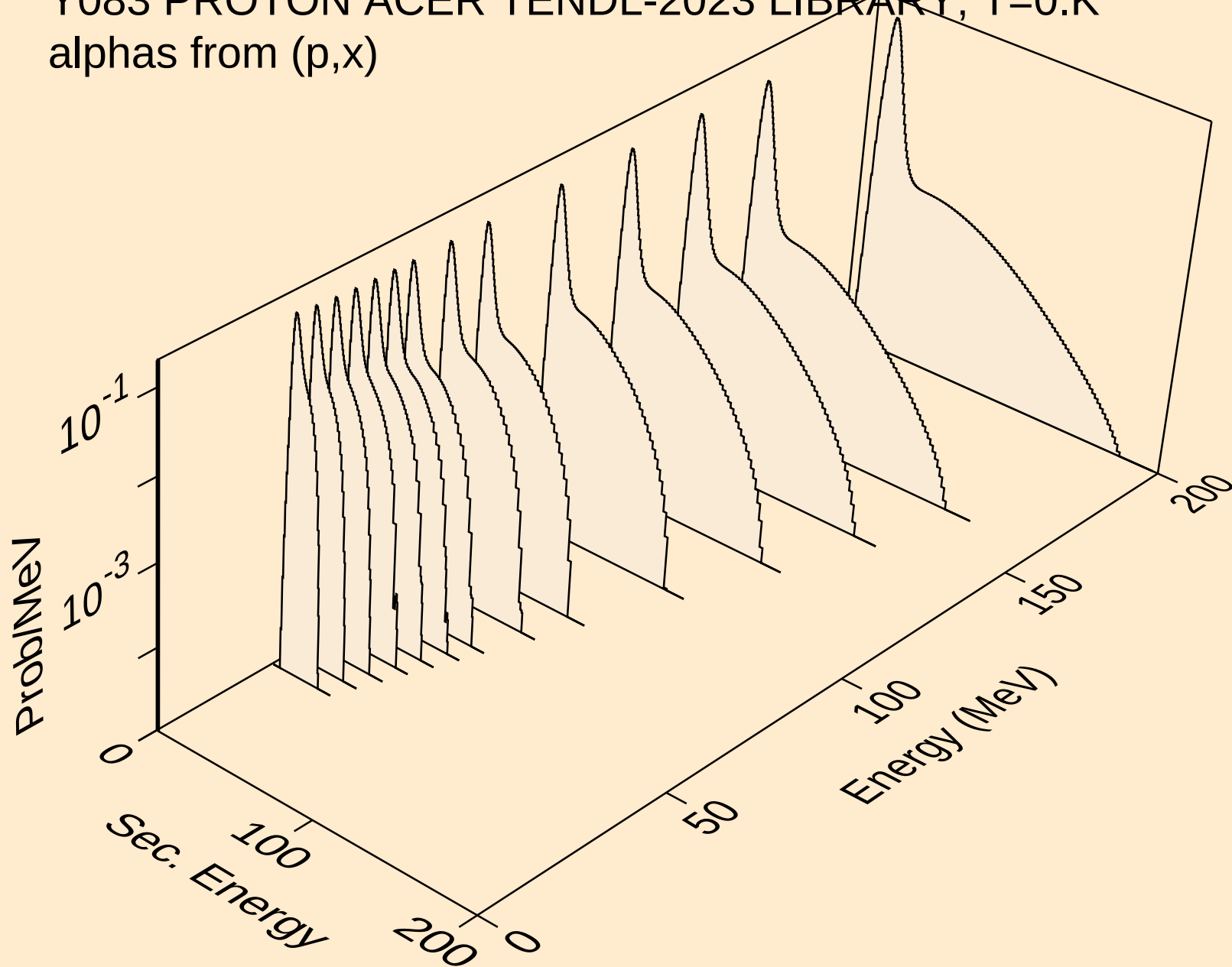
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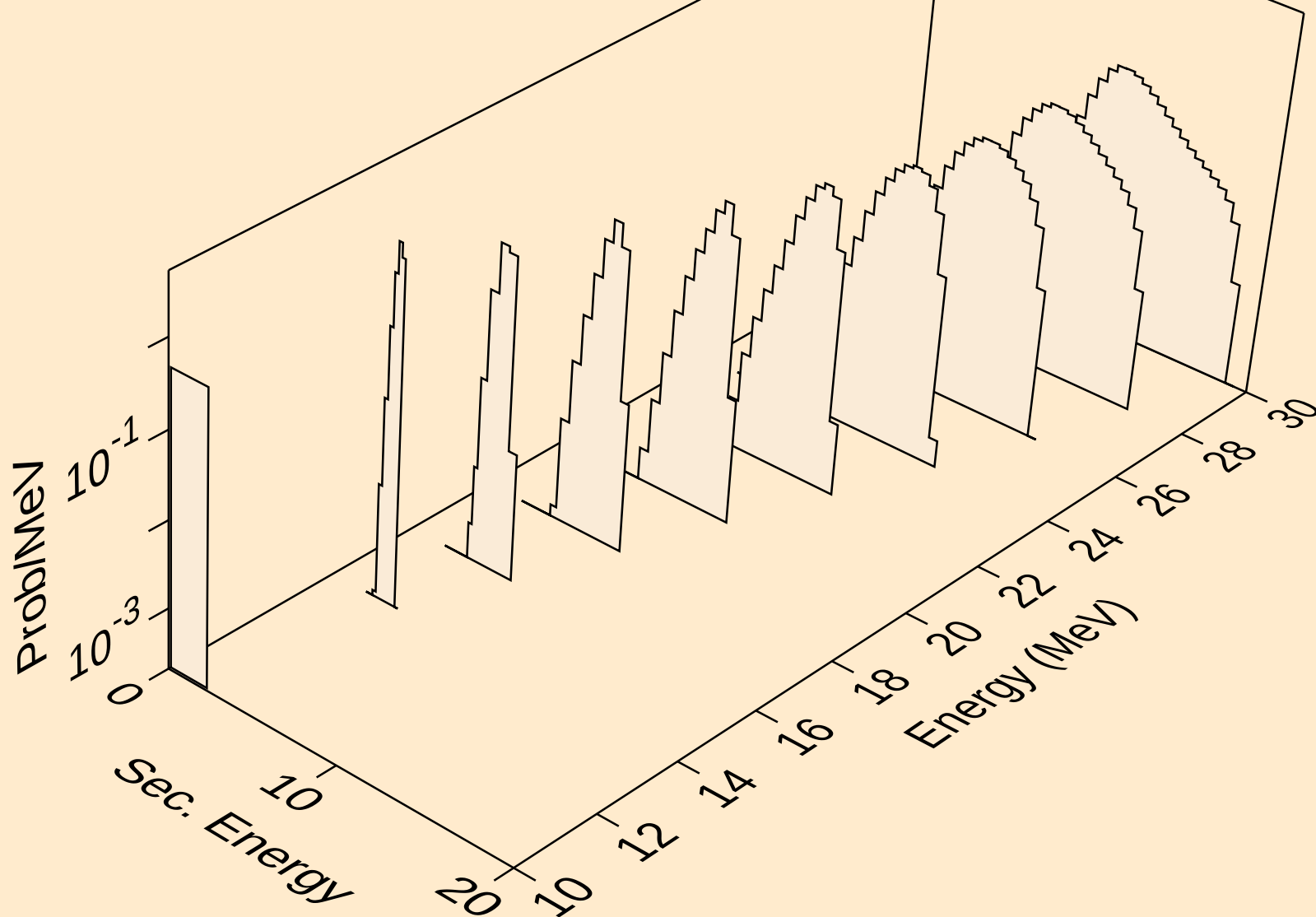
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he3s from (p,he3)



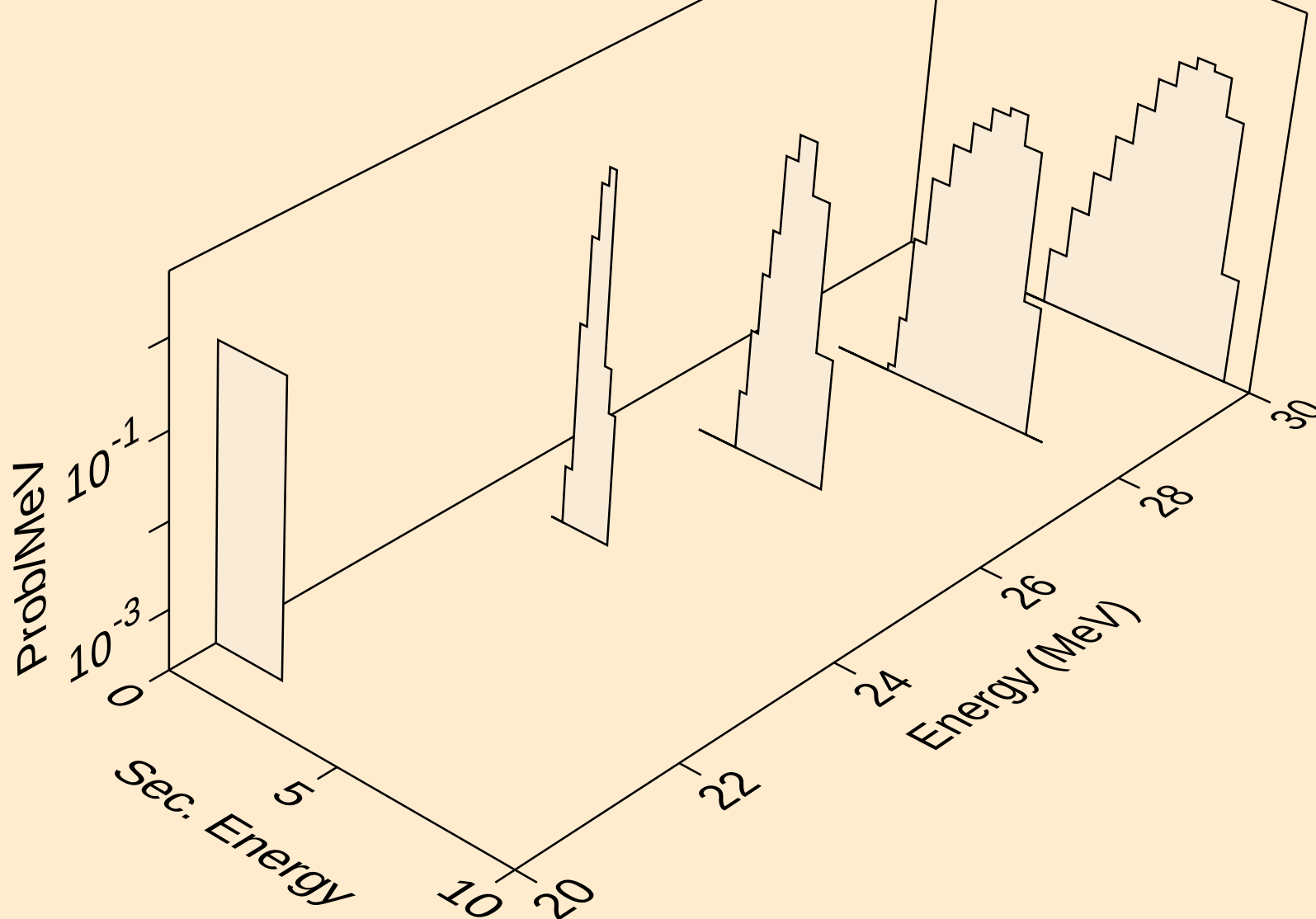
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alphas from (p,x)



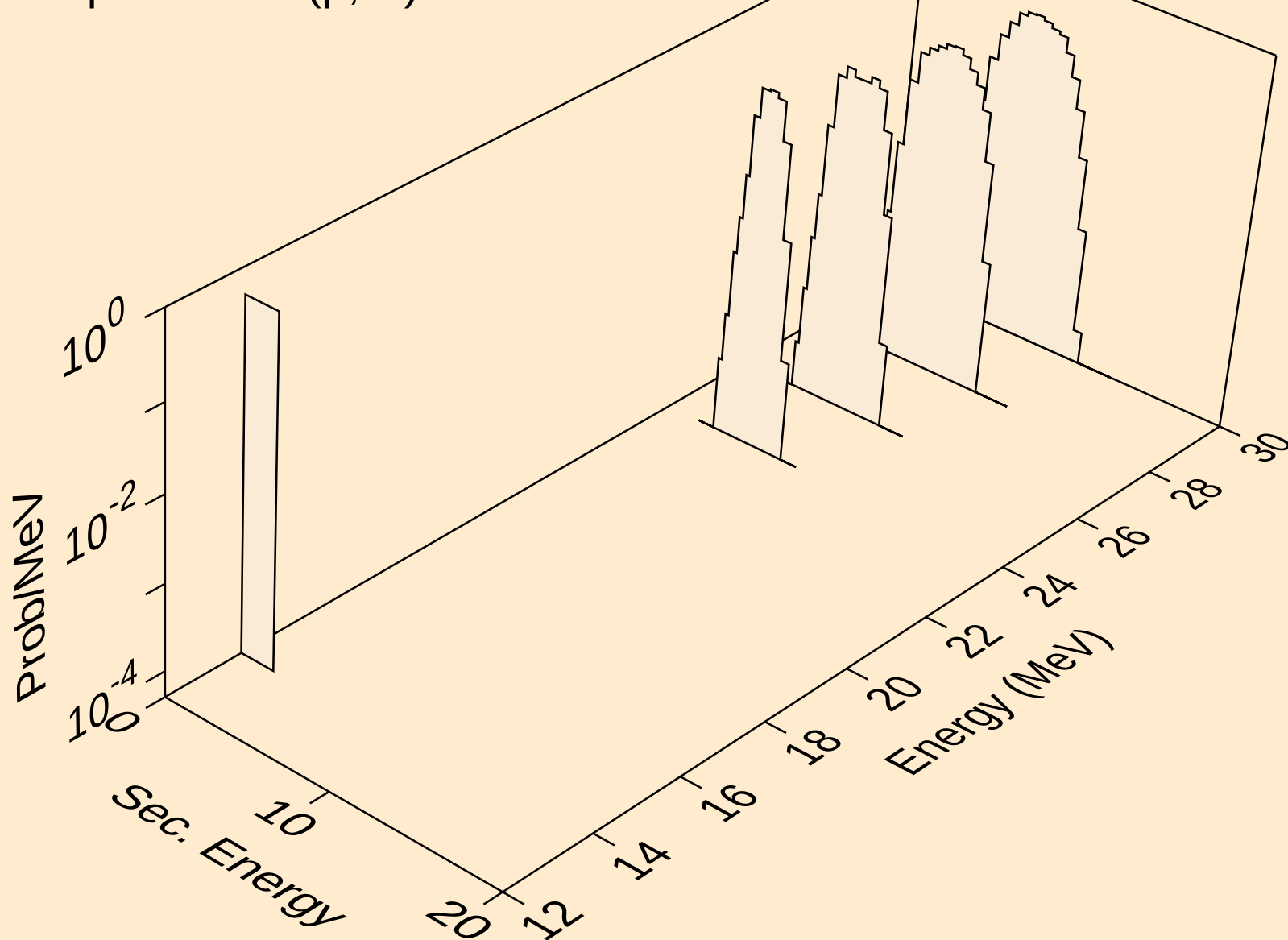
Y083 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a



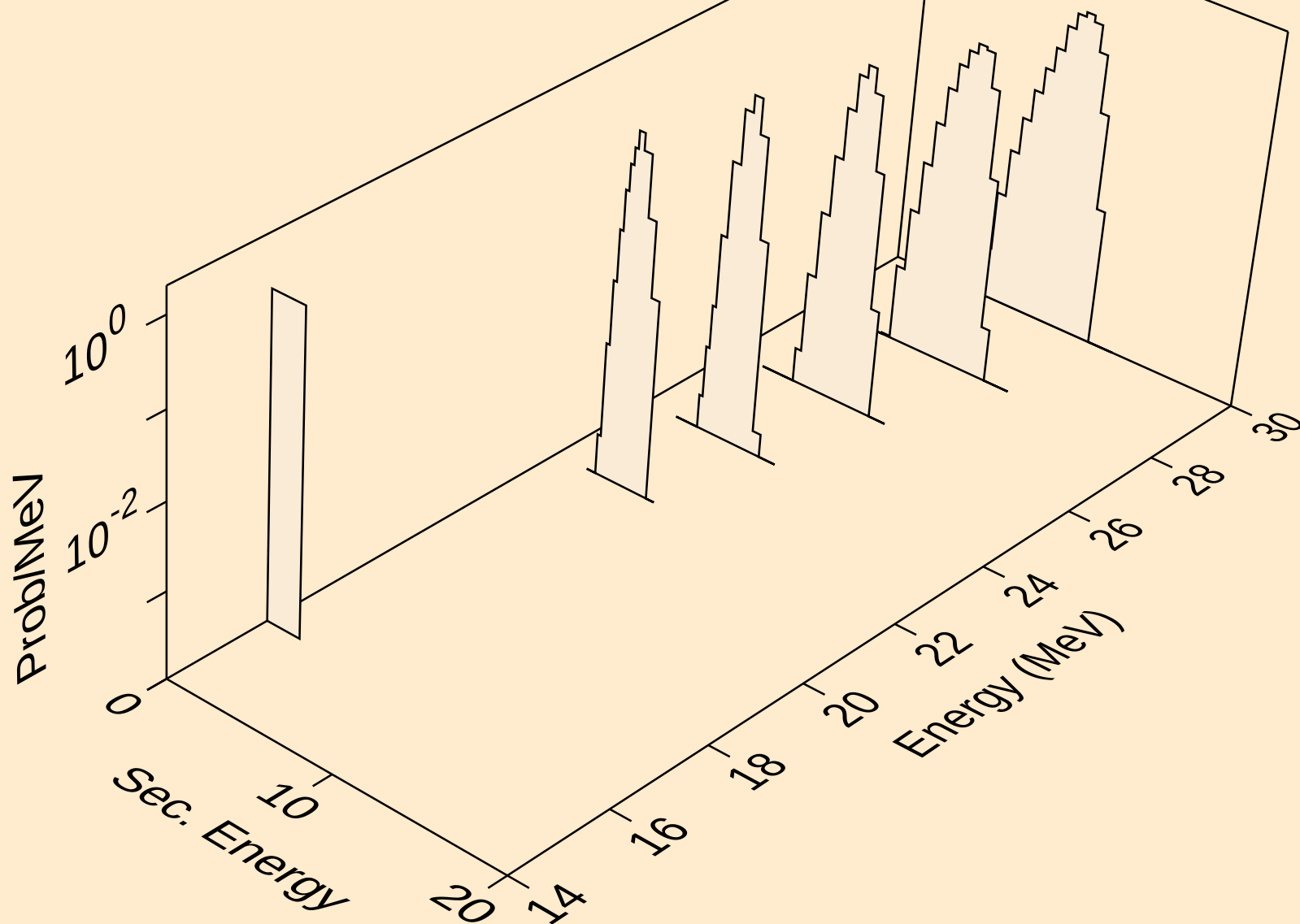
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alphas from (p,2n)a



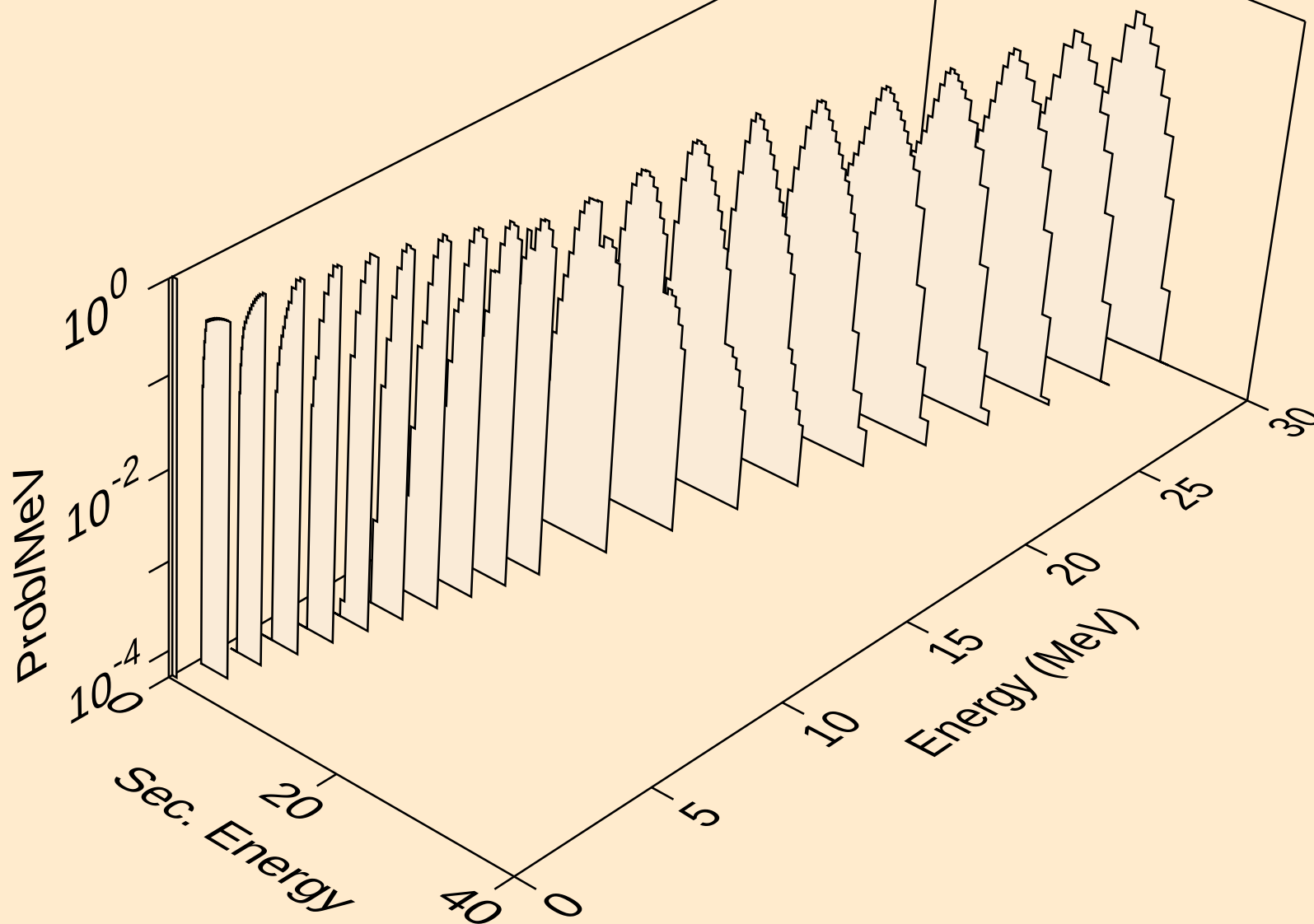
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alphas from (p,n\*)2a



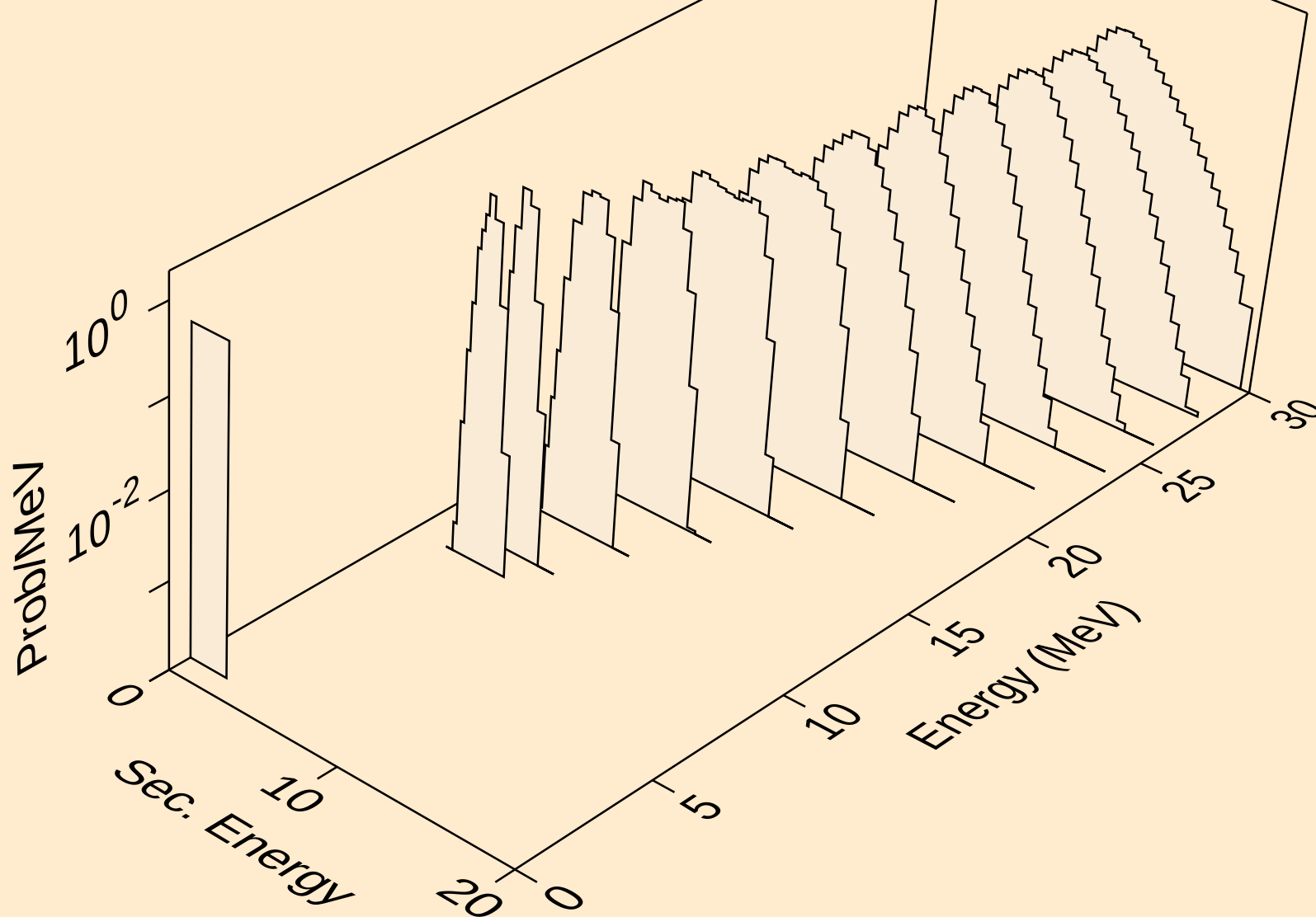
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alphas from (p,npa)



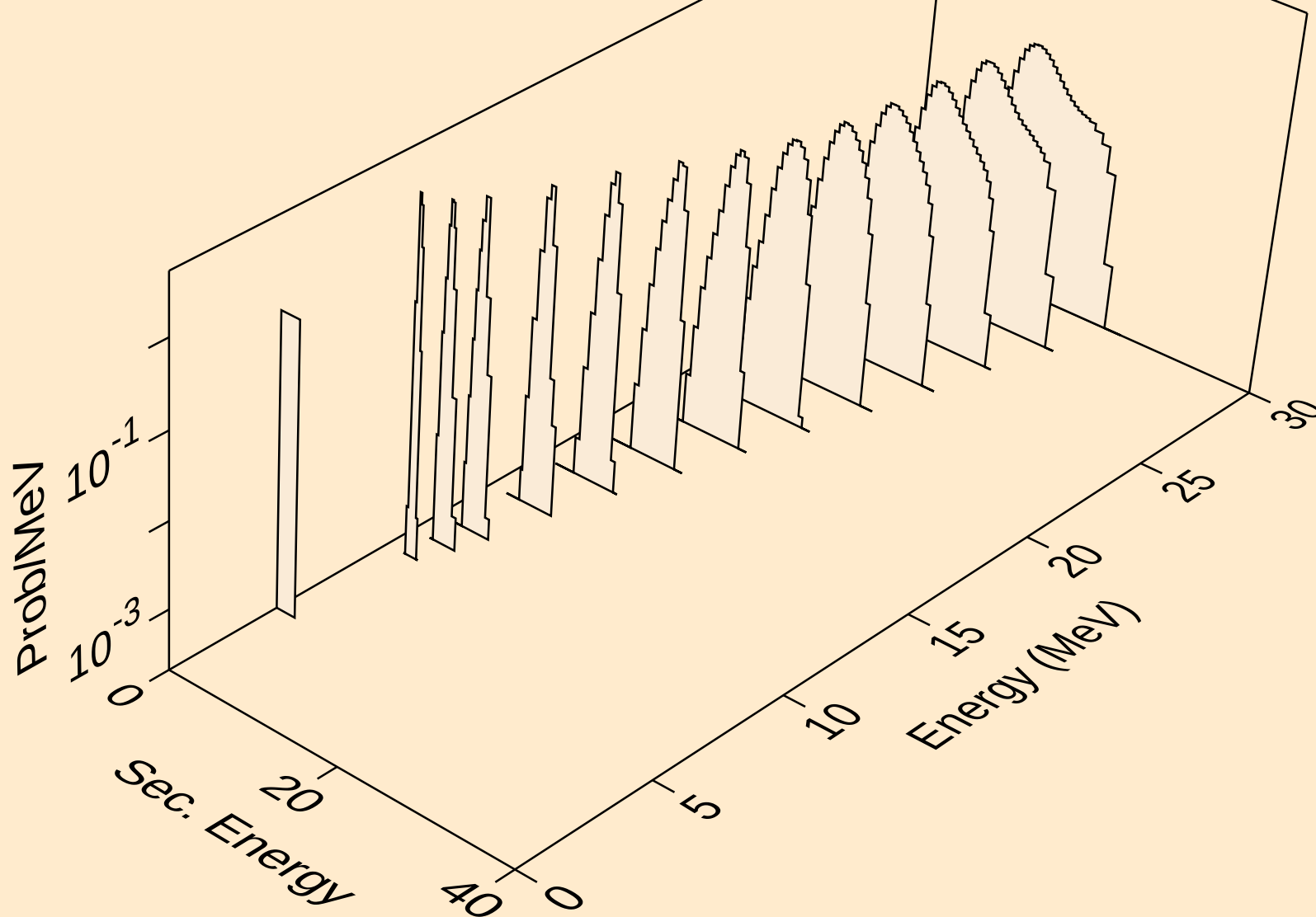
Y083 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,a)



Y083 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2a)



Y083 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,pa)



Y083 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,da)

