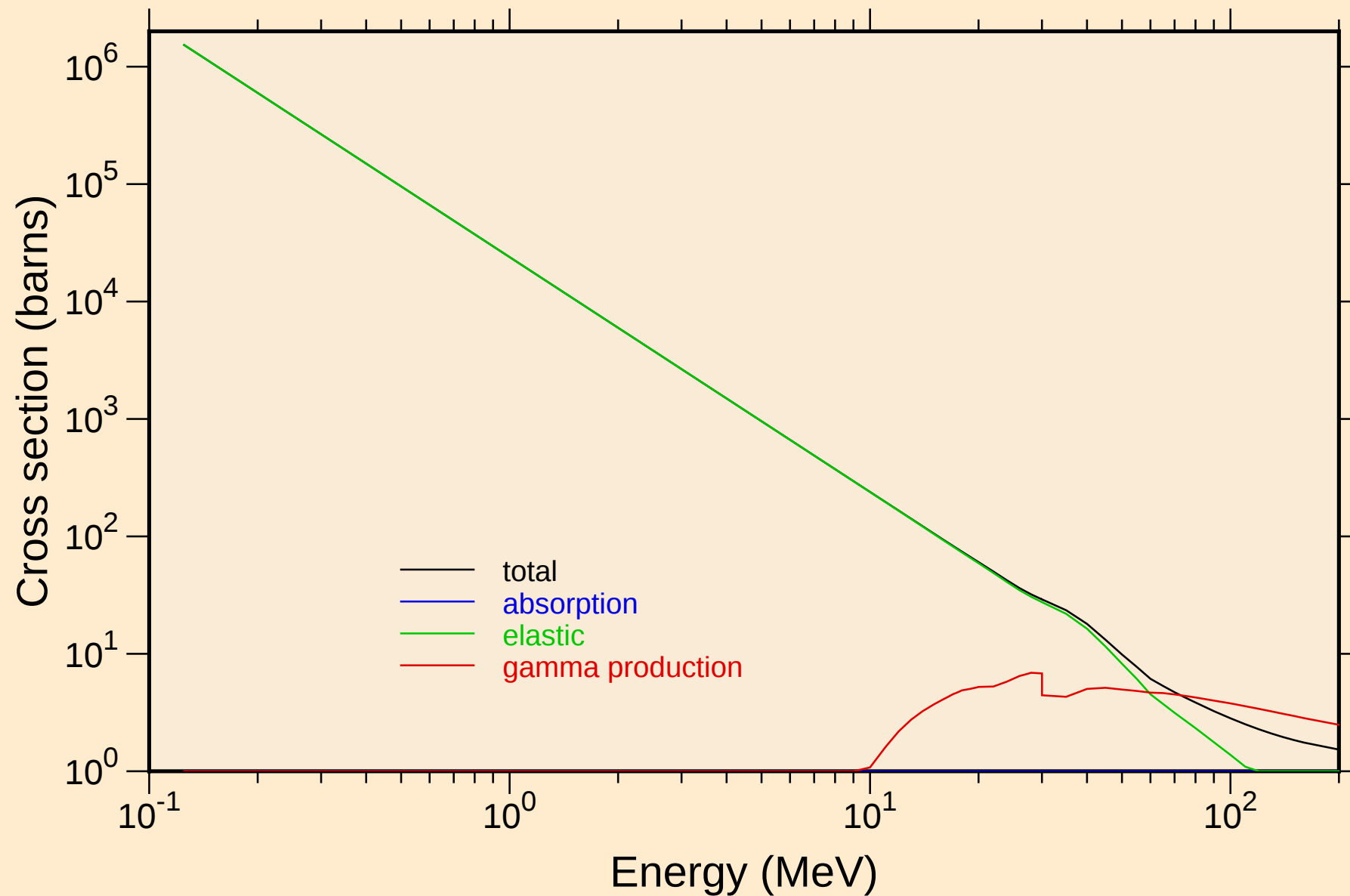


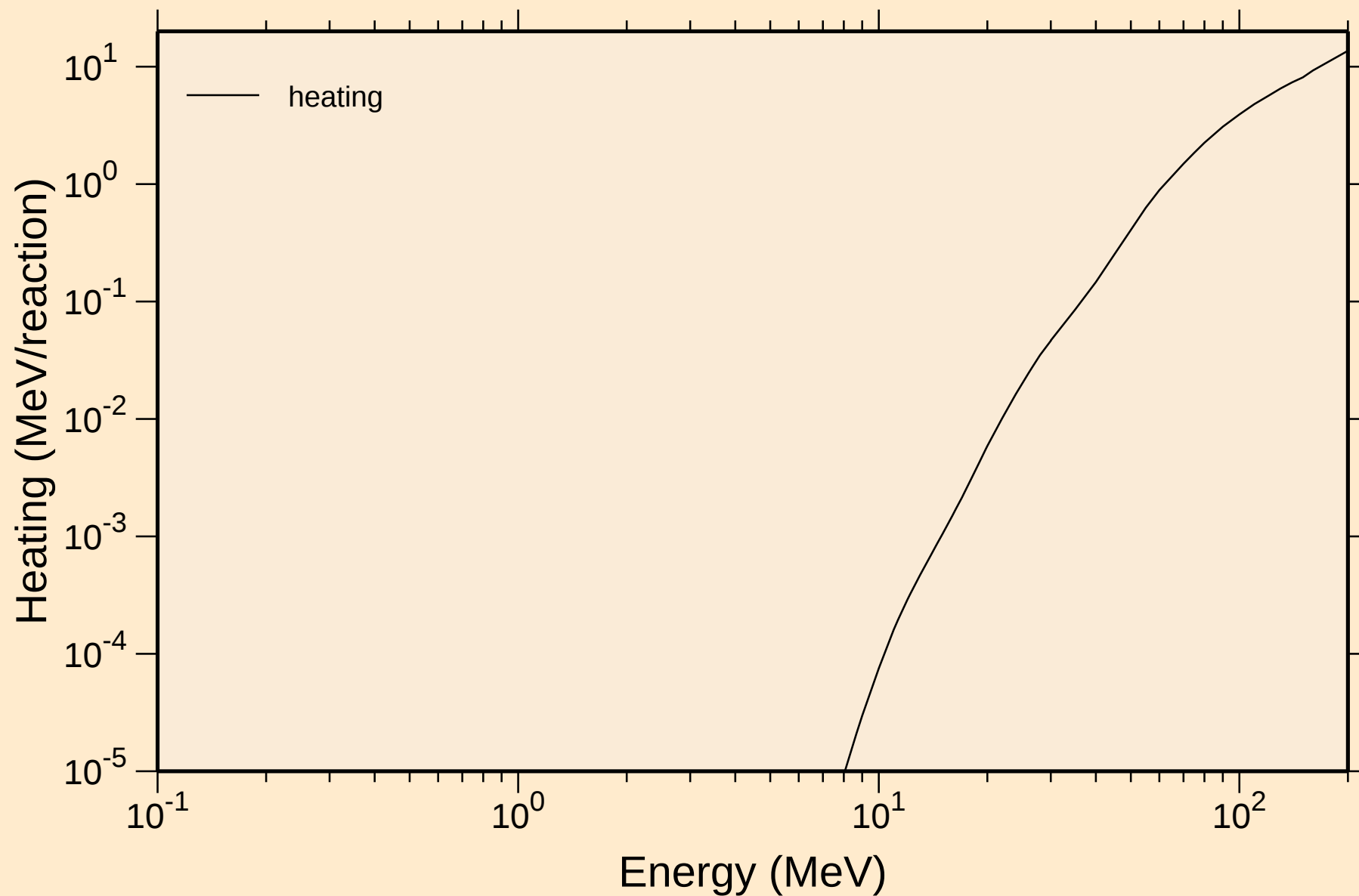
# SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



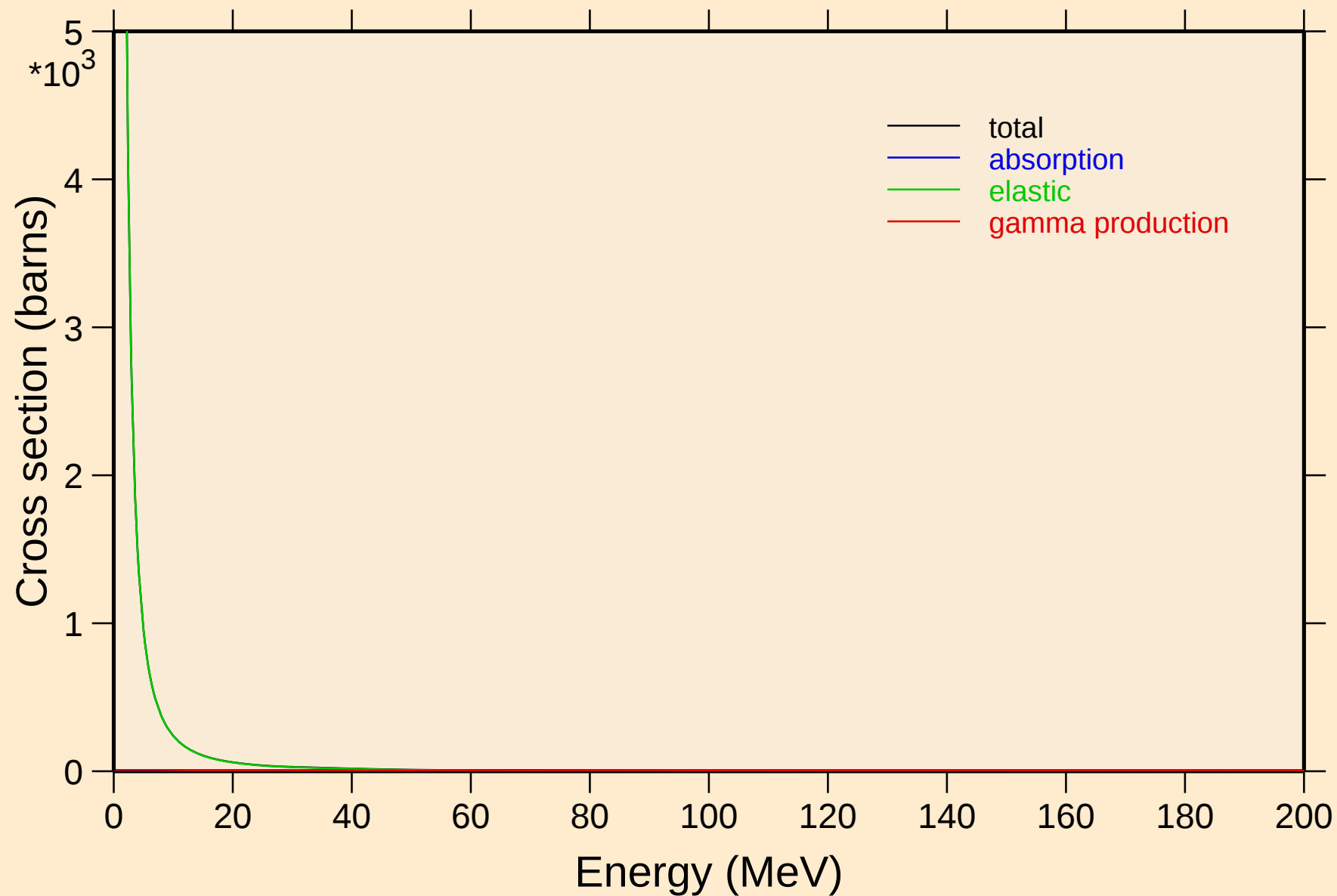
# SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Heating



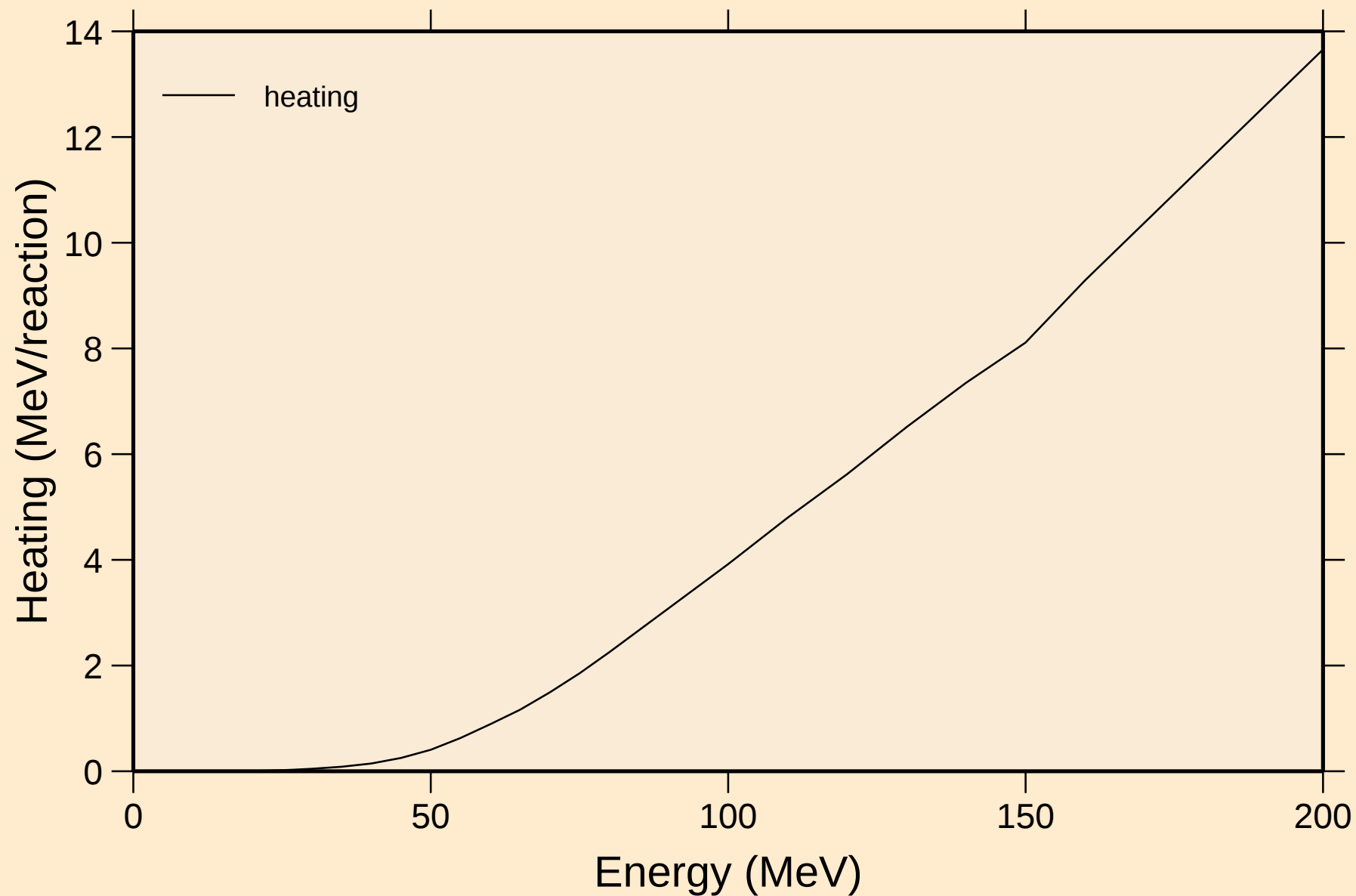
# SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



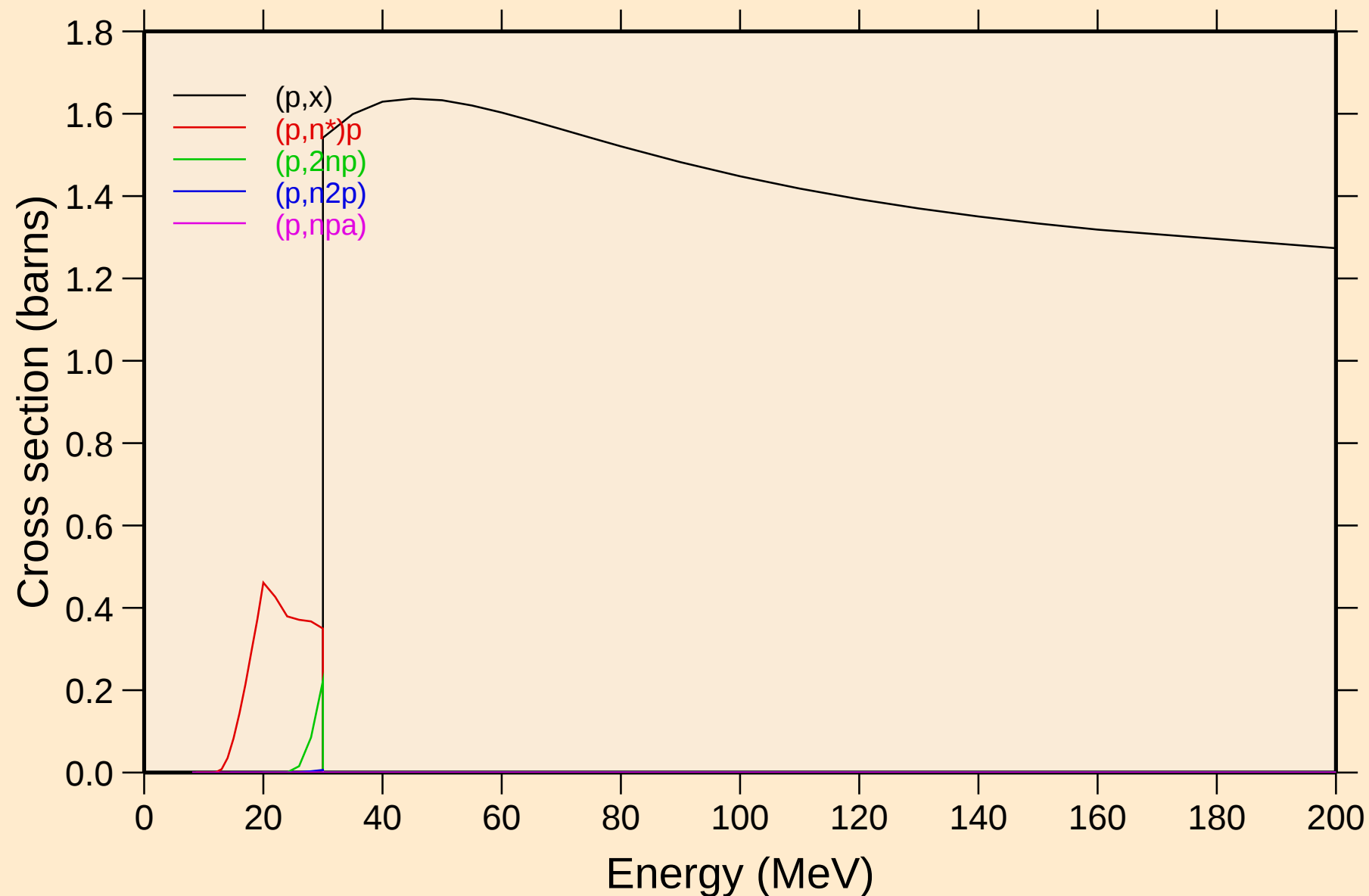
# SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Heating

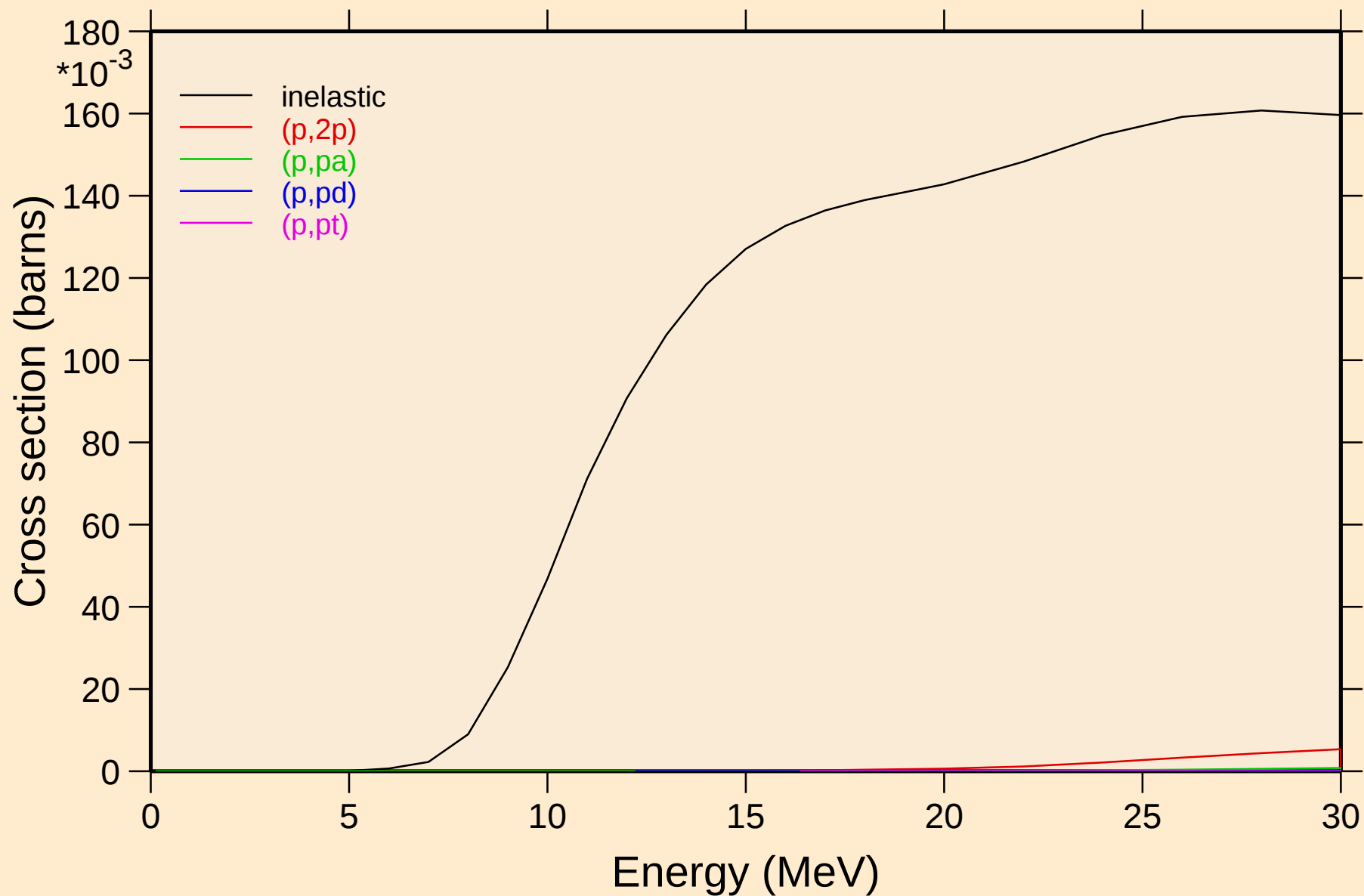


# SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K

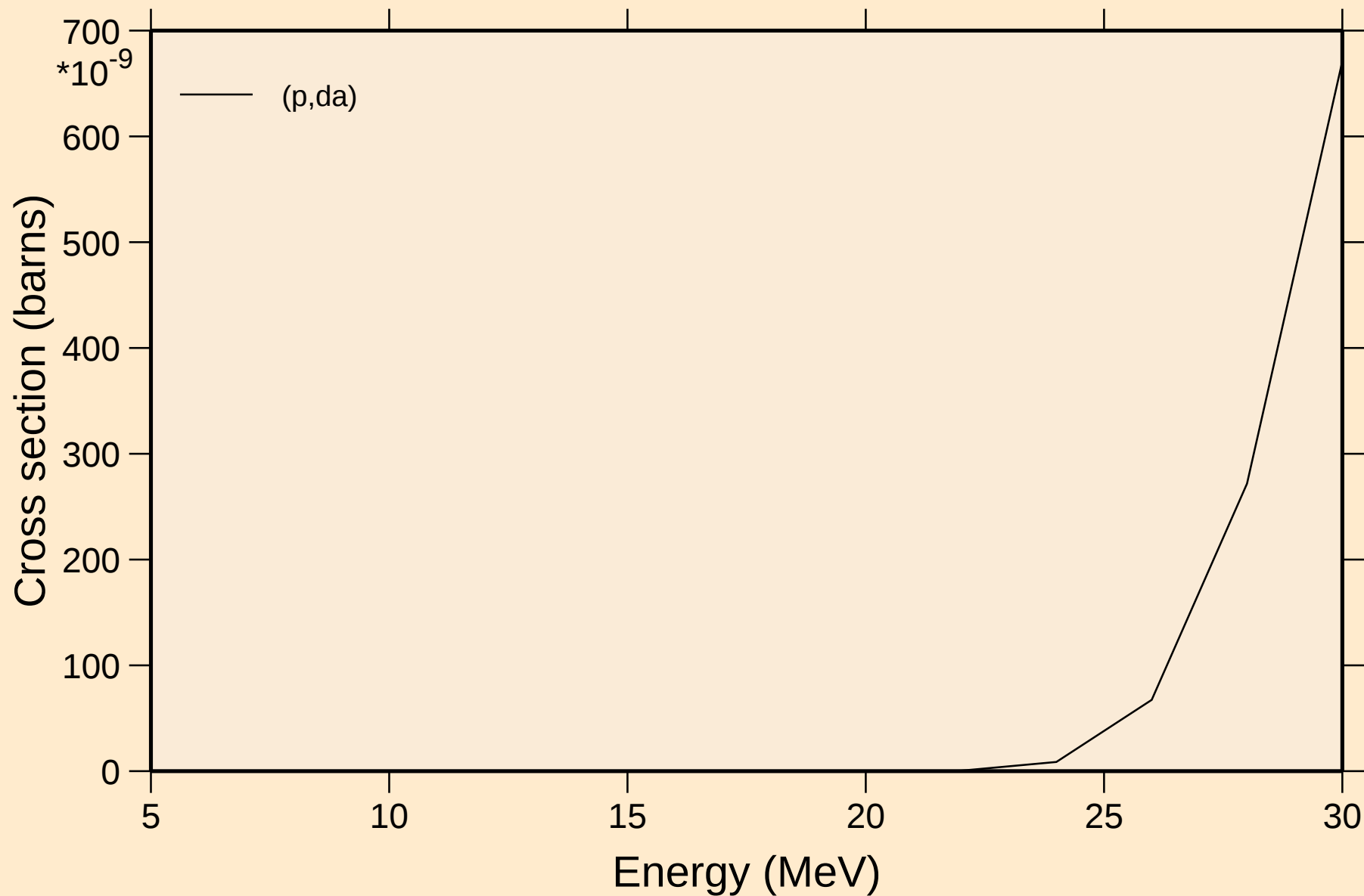
## Threshold reactions



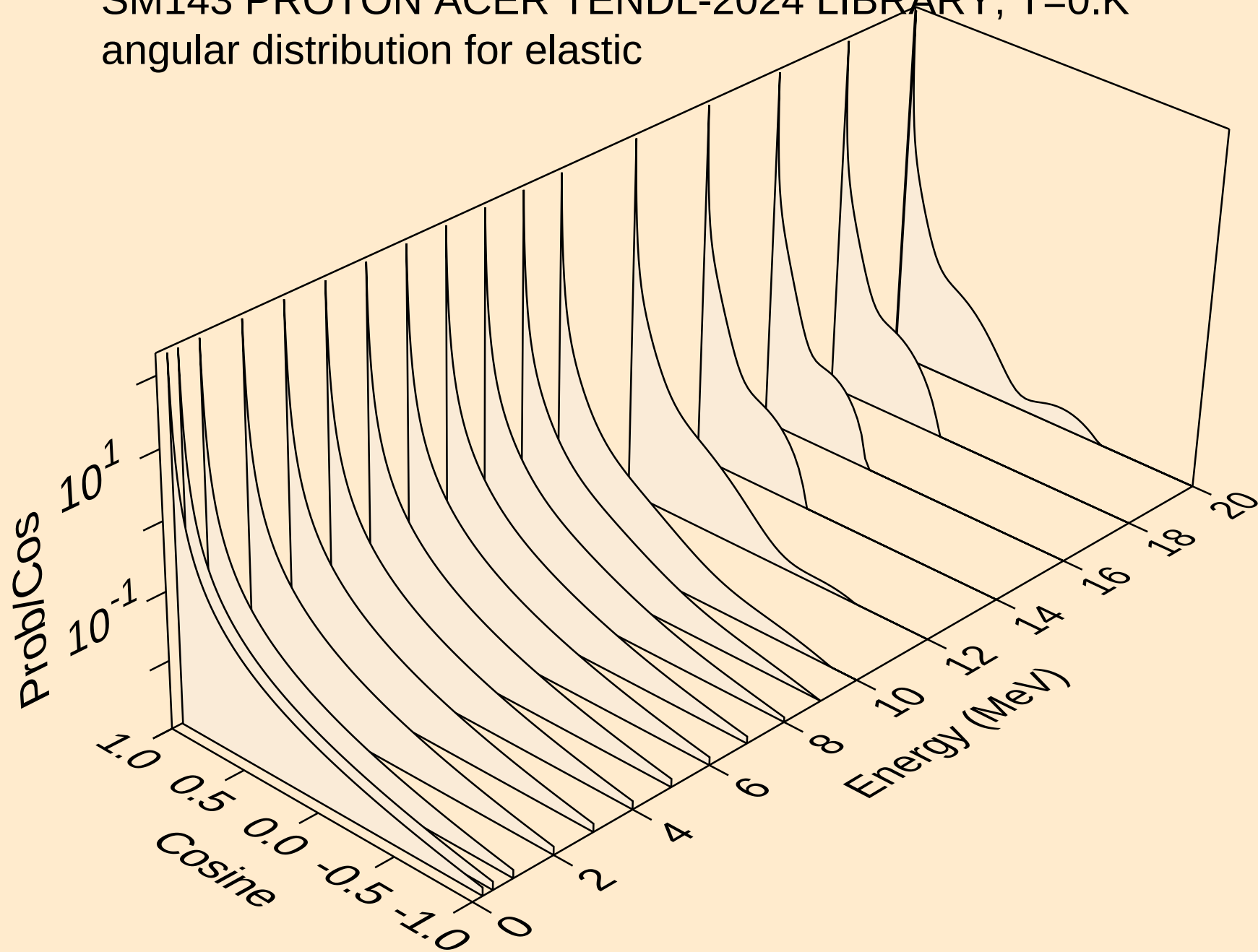
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



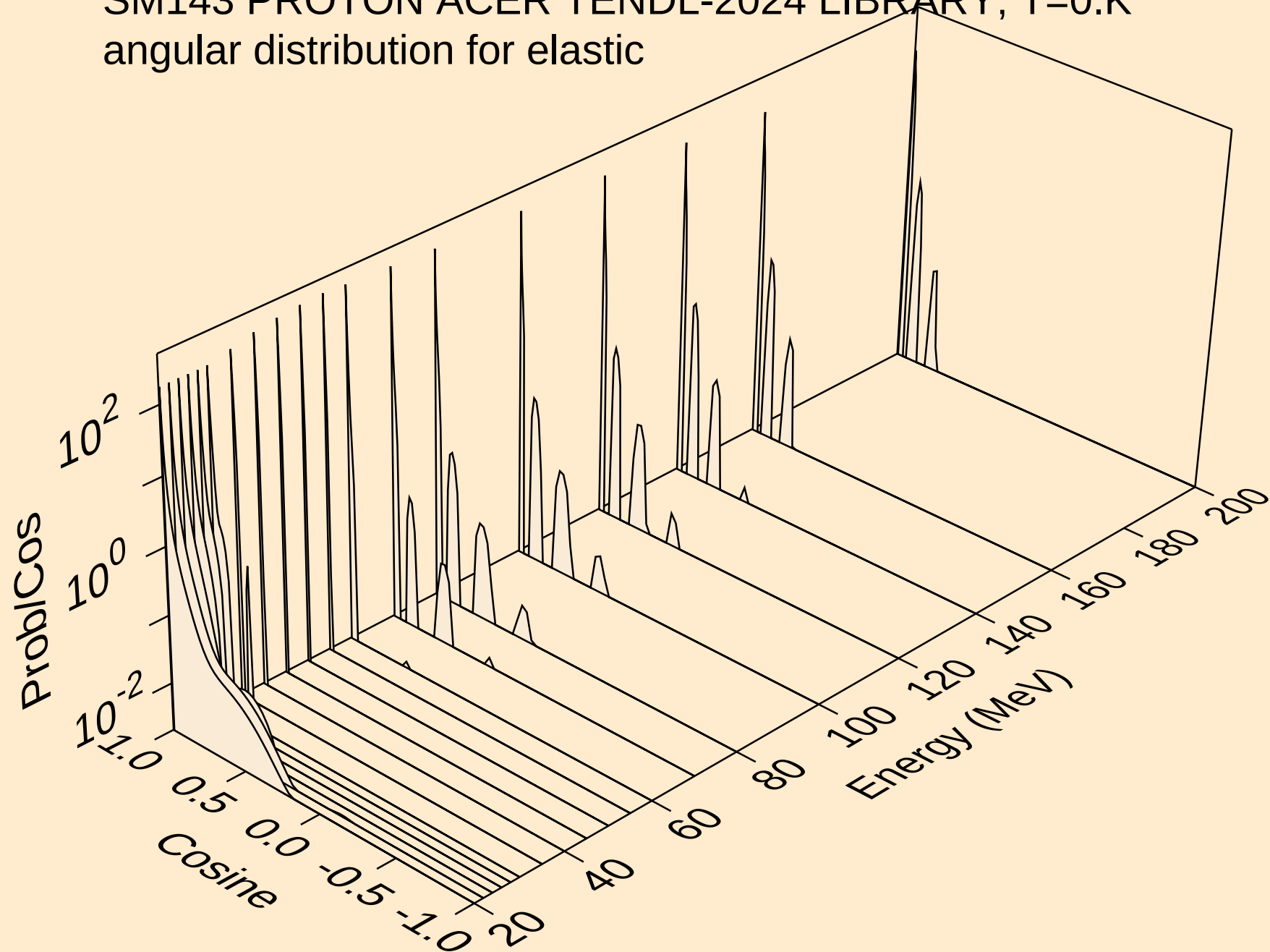
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



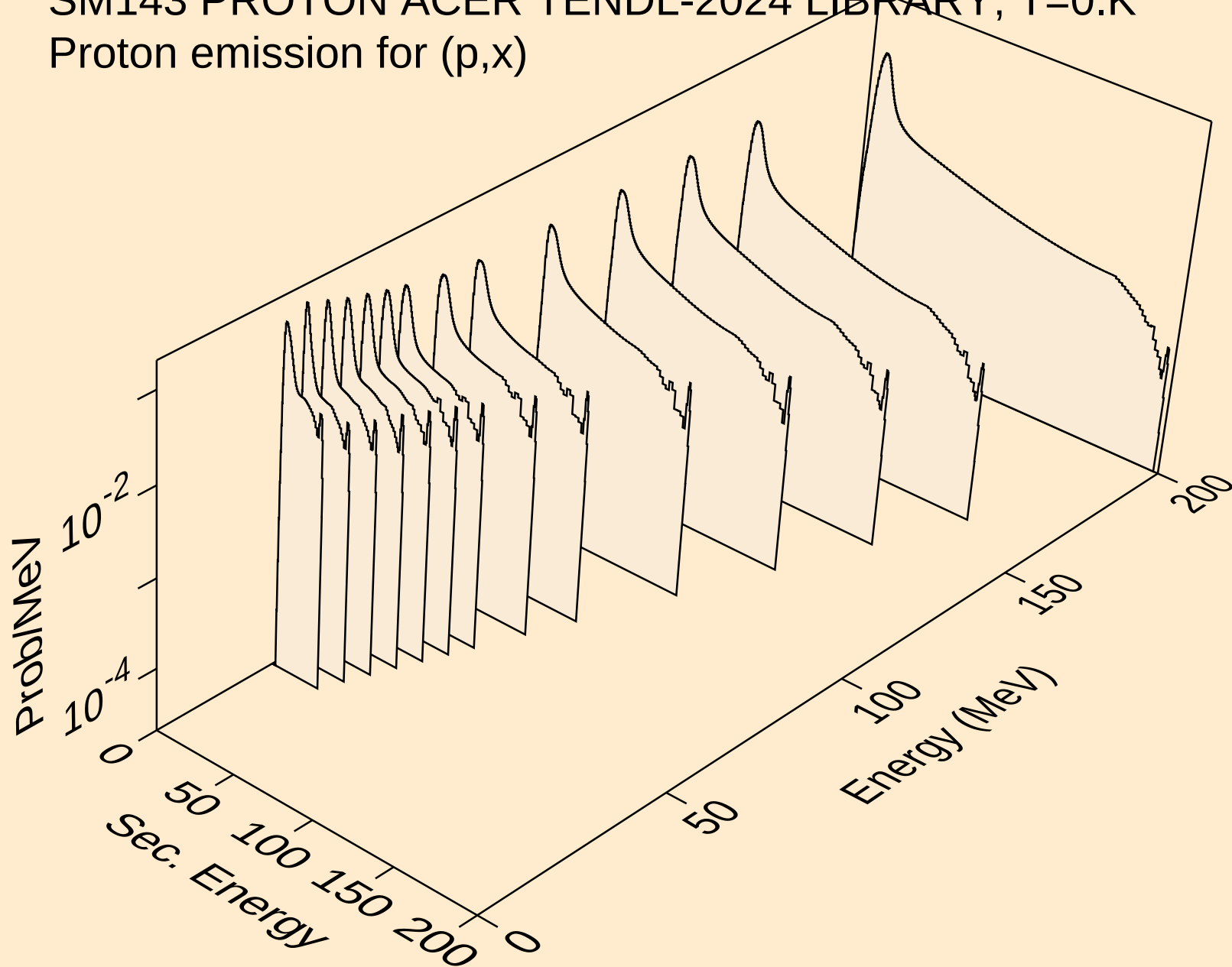
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

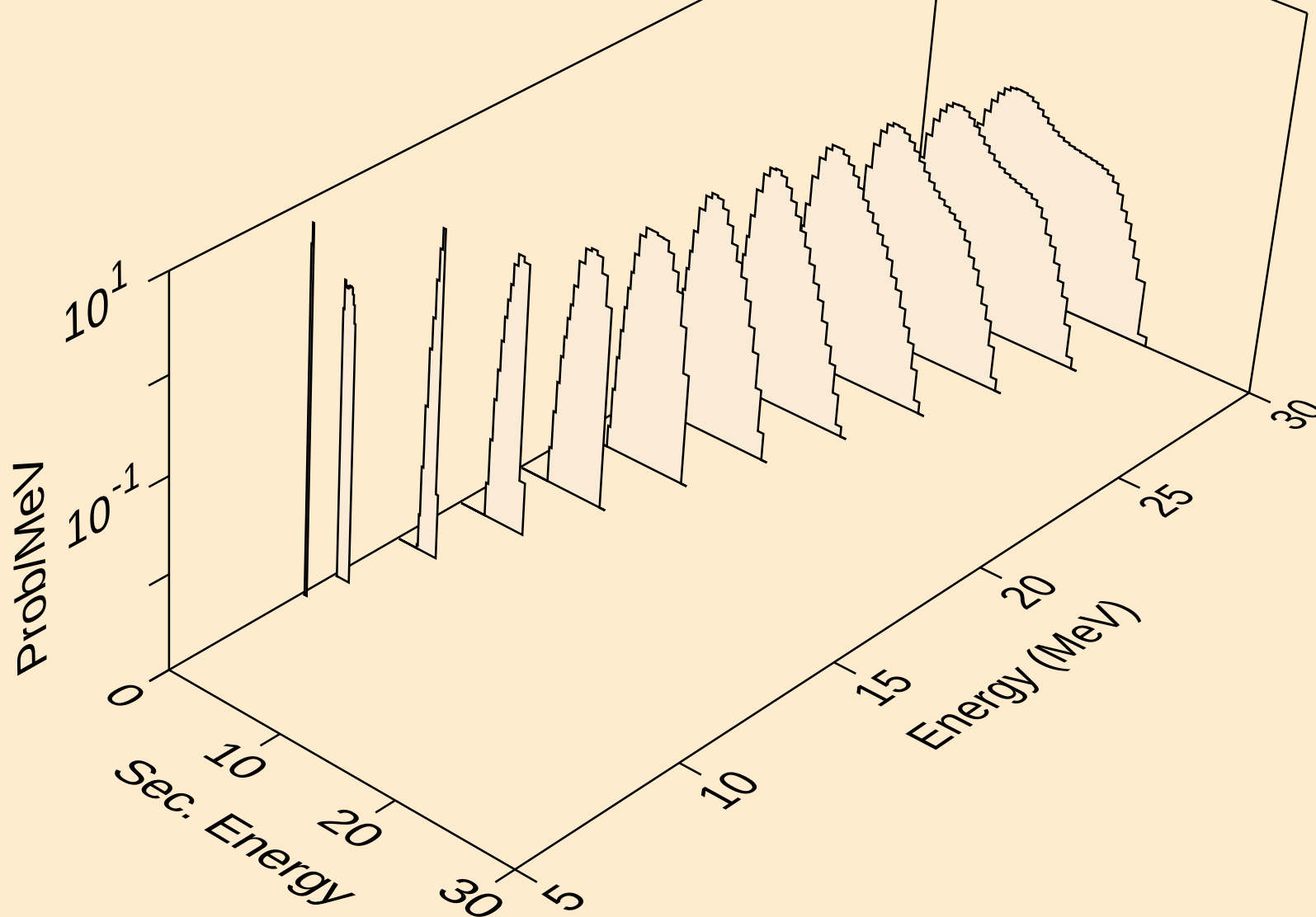


SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,x)

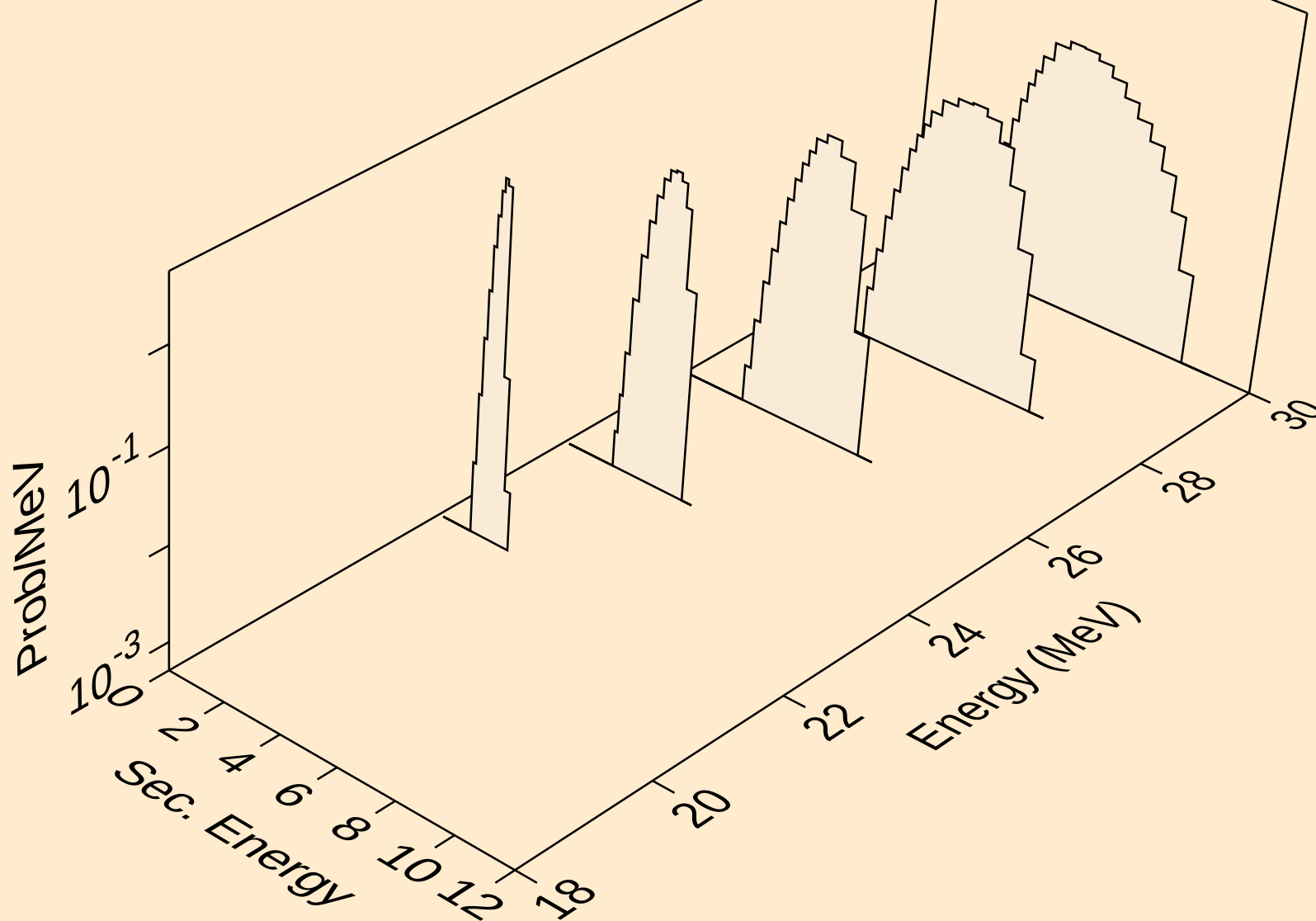


SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K

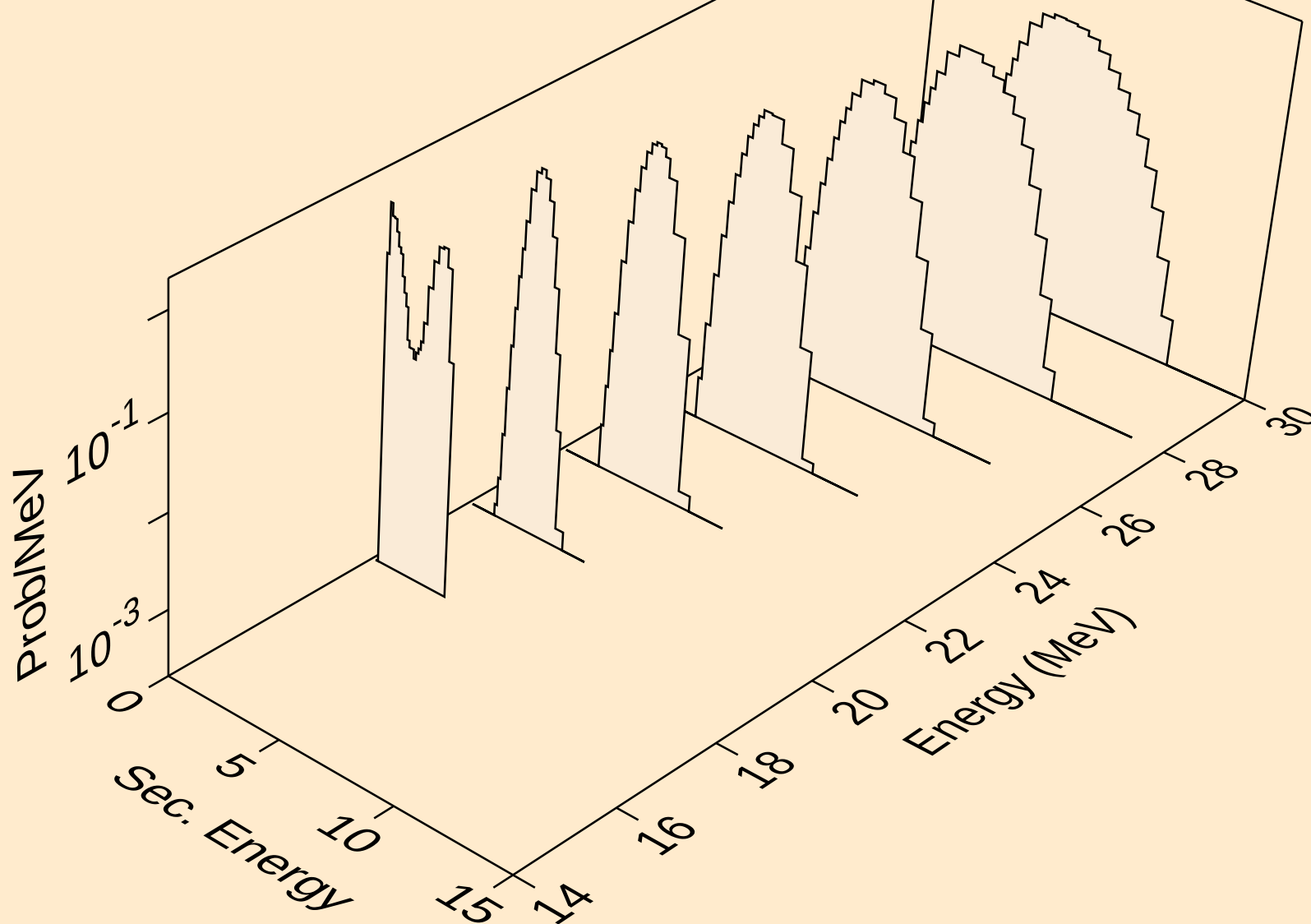
Proton emission for  $(p,n^*)p$



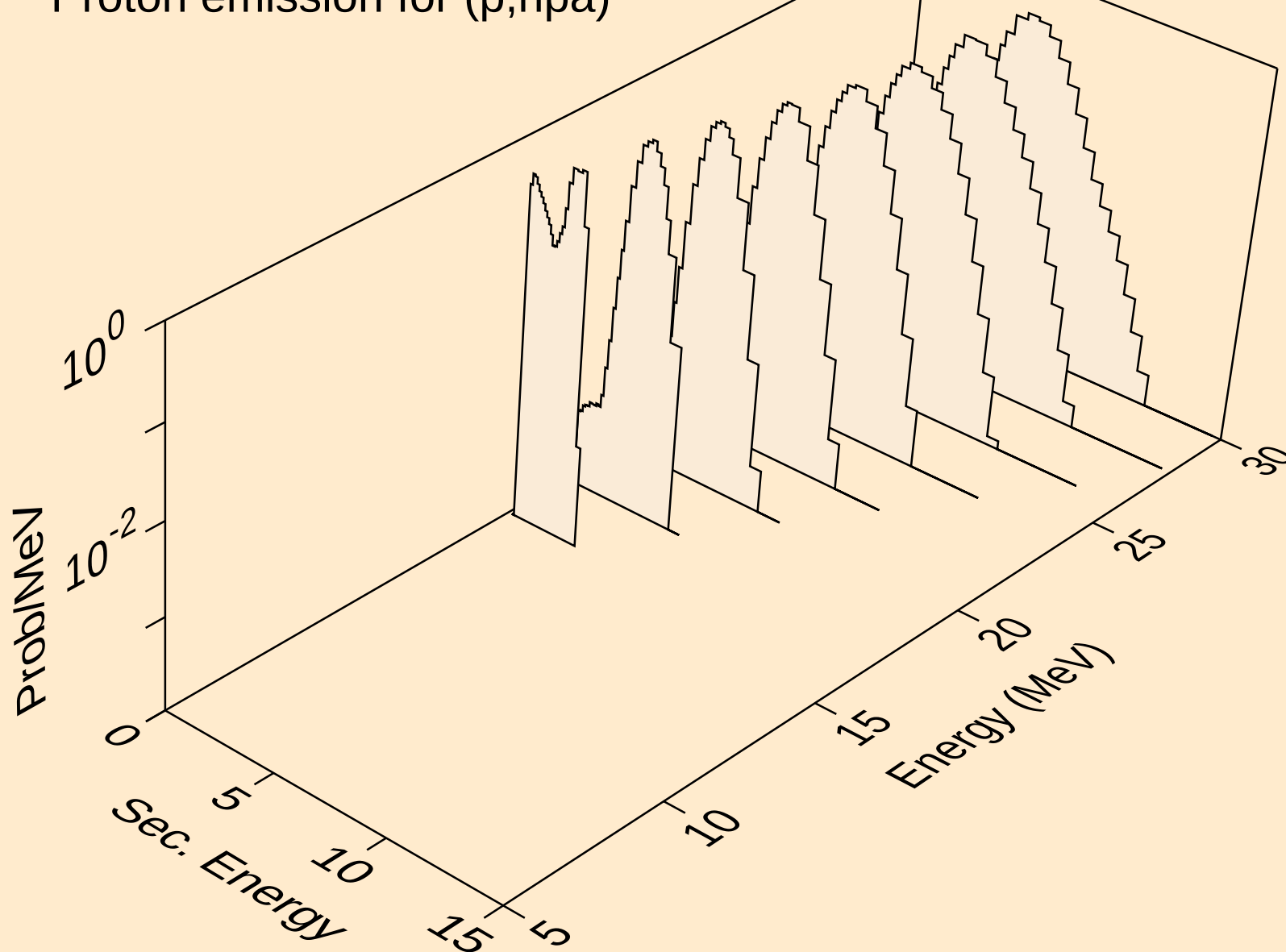
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,2np)



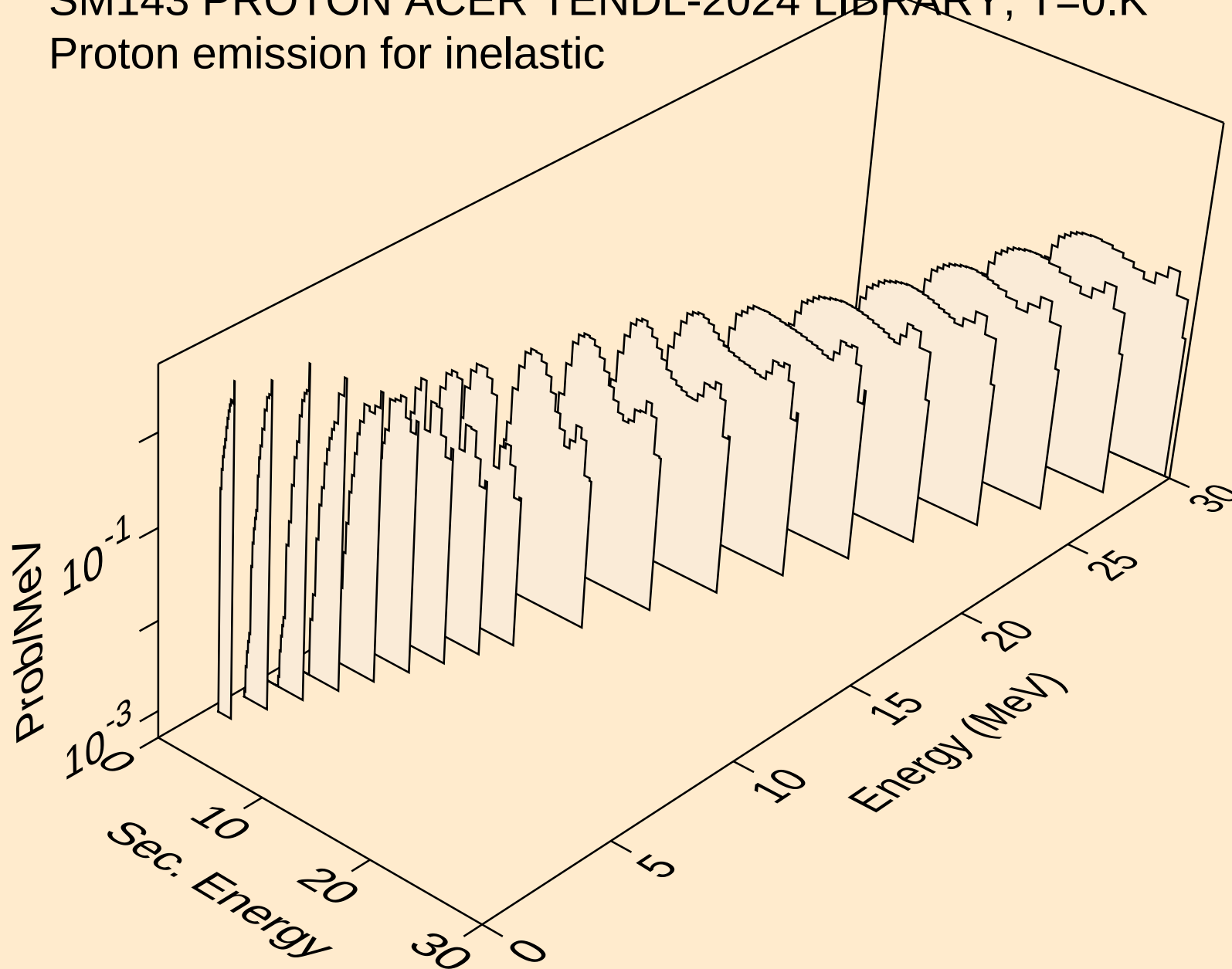
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,n2p)



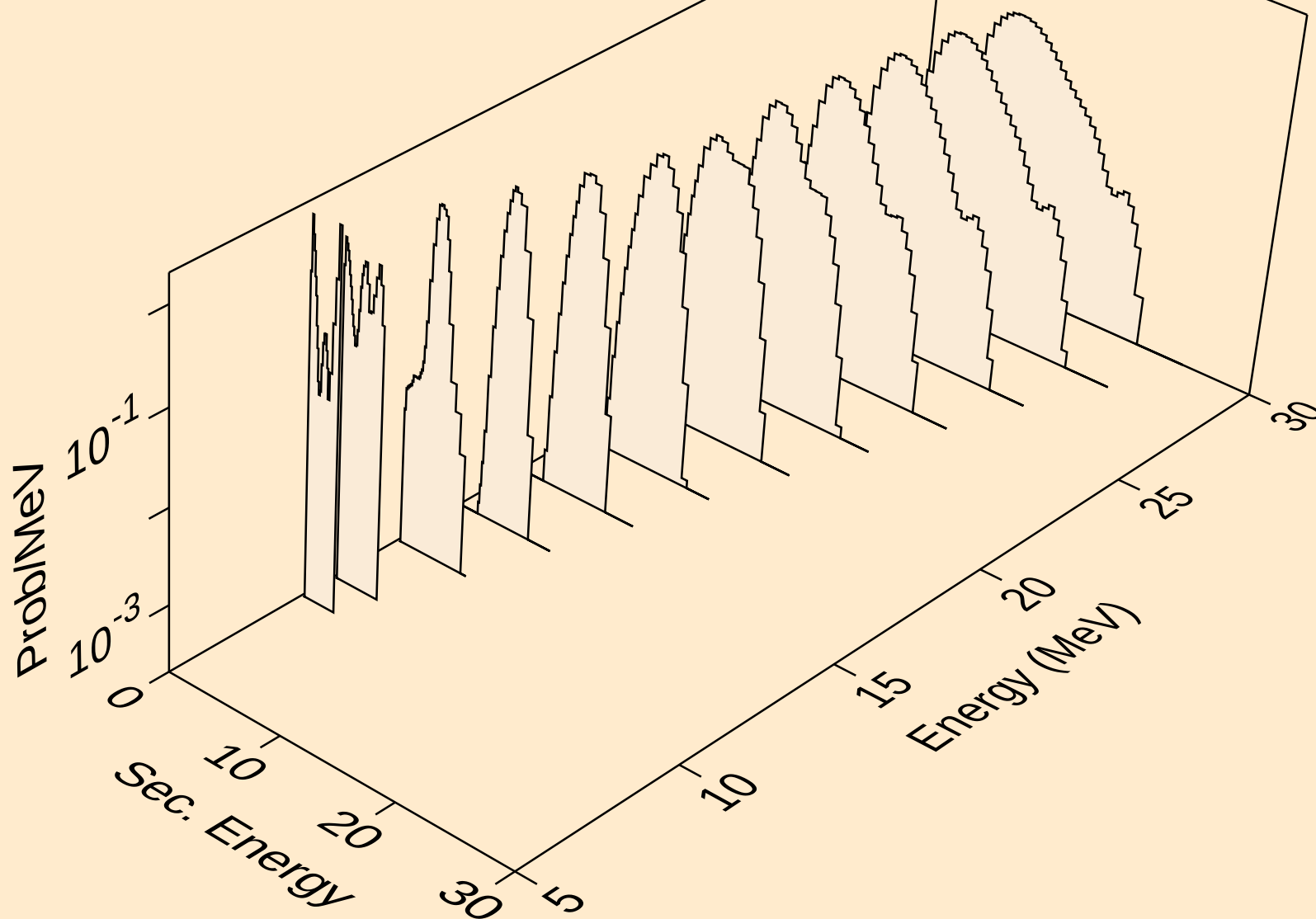
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,npa)



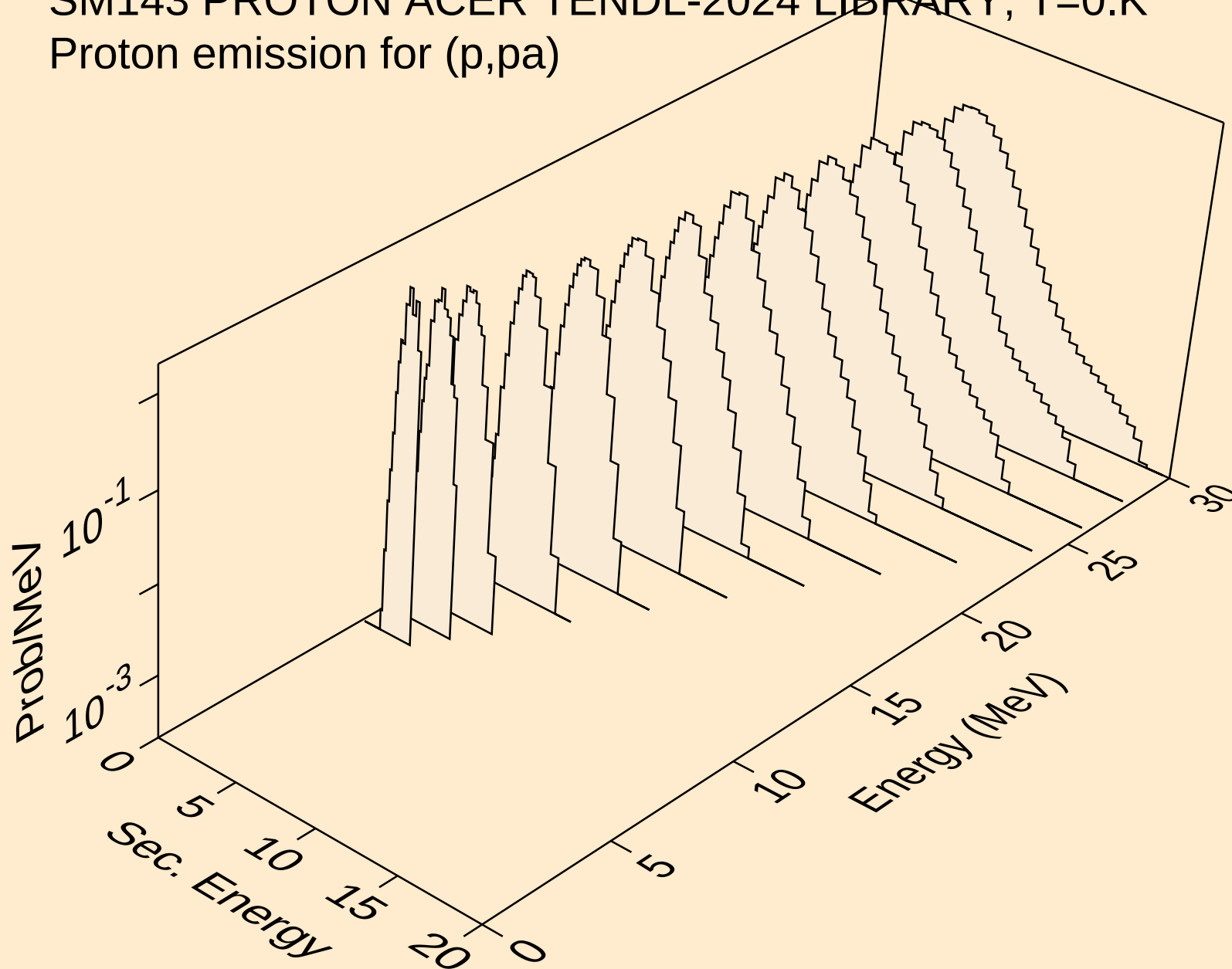
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for inelastic



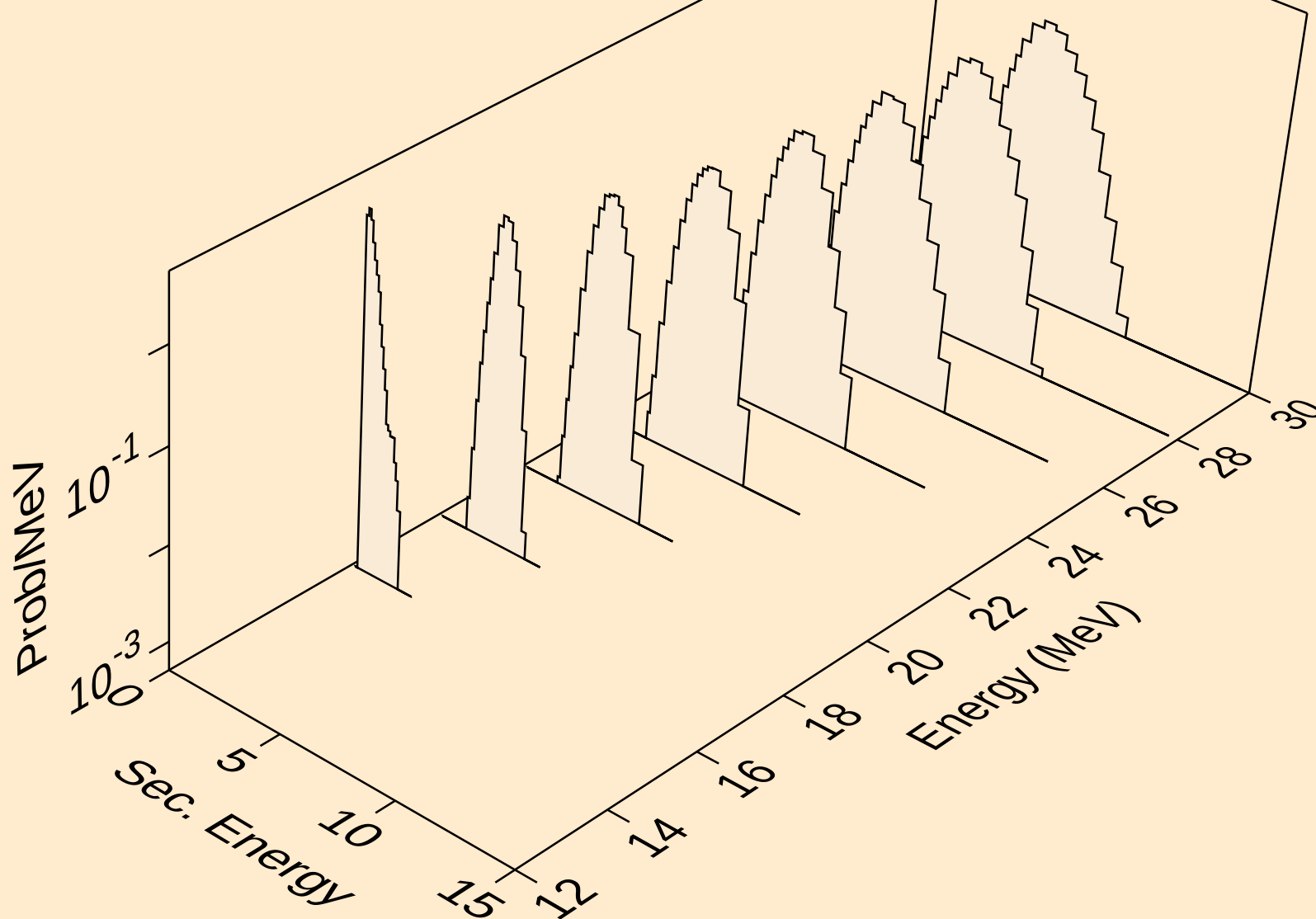
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,2p)



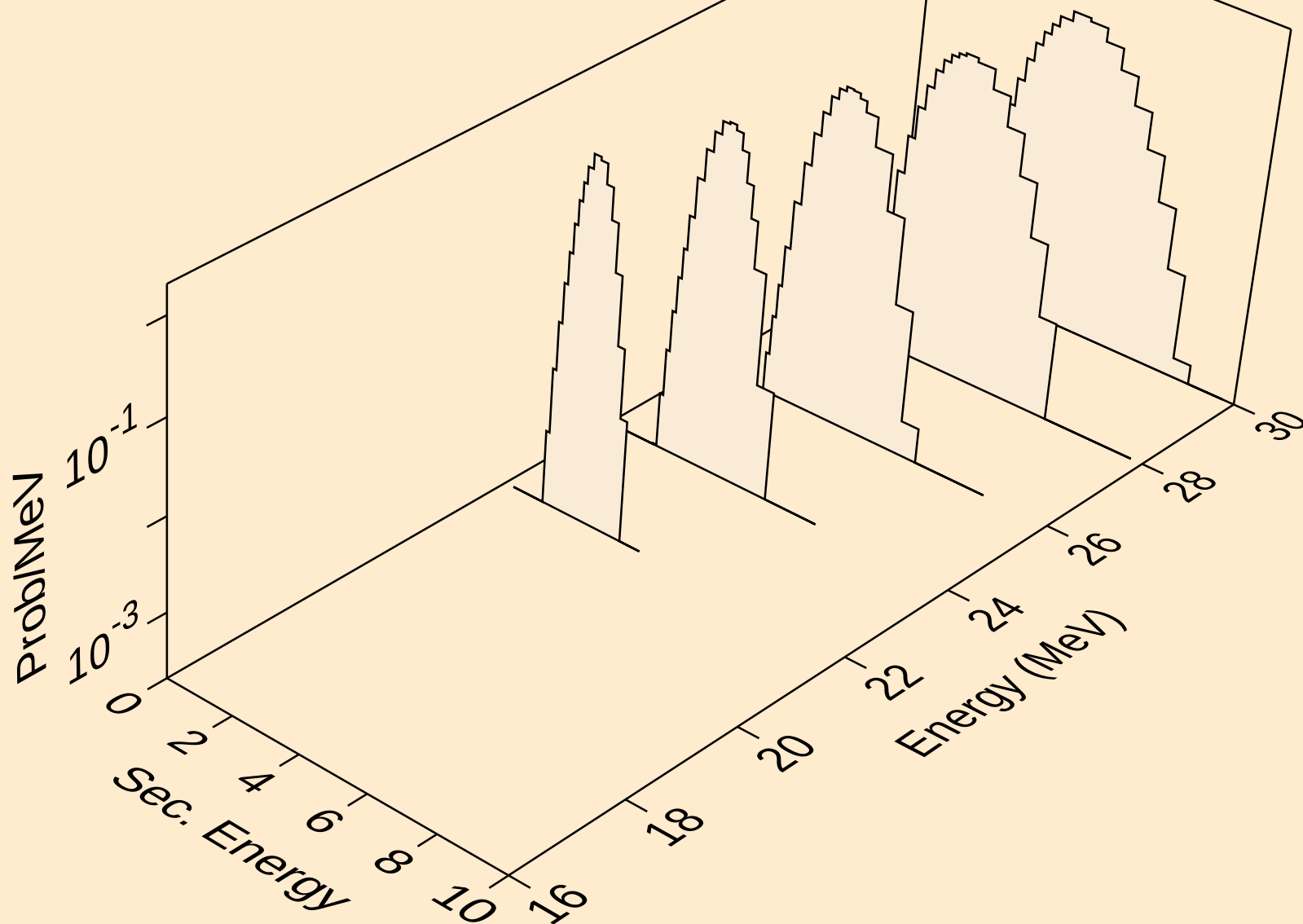
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,pa)



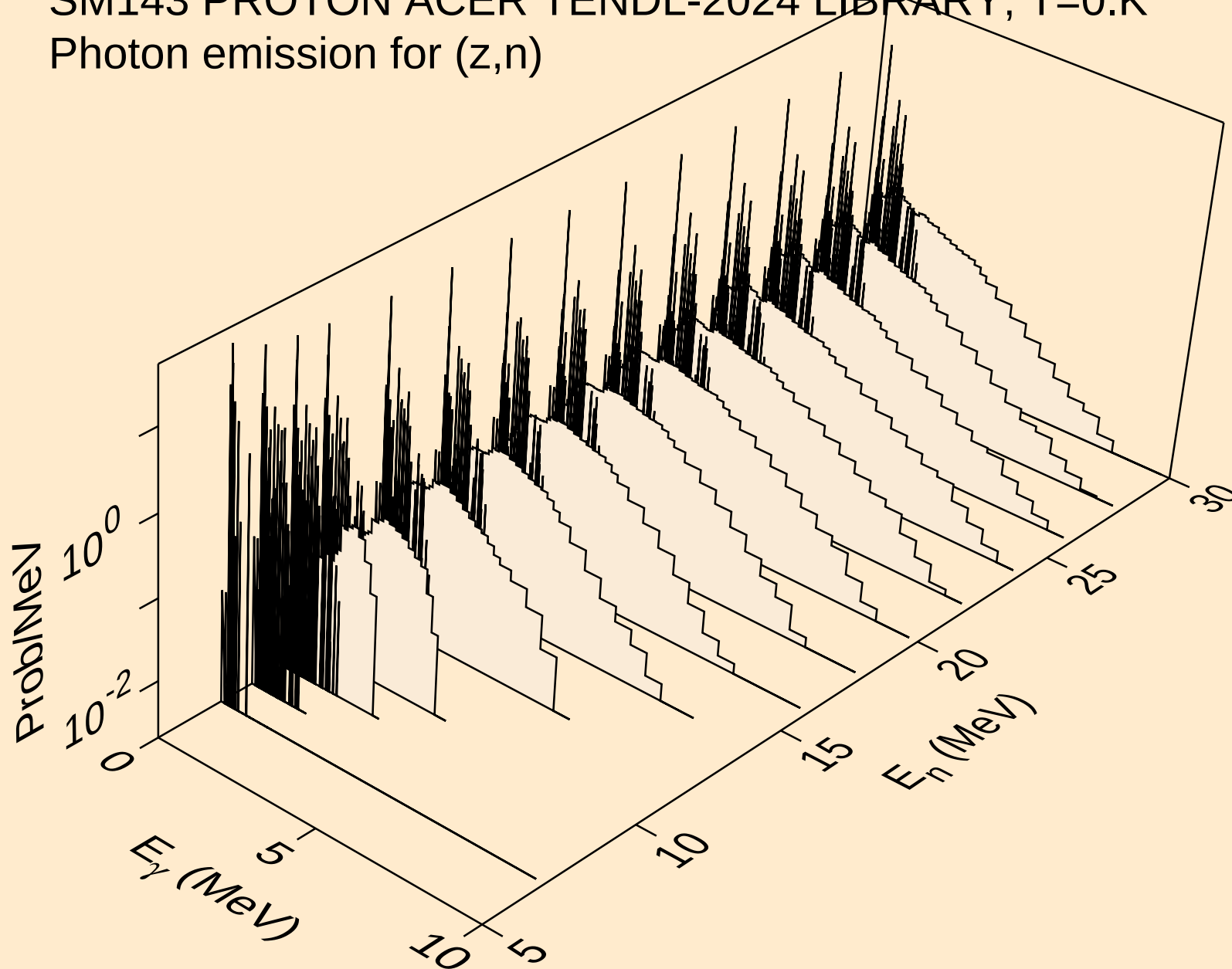
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,pd)



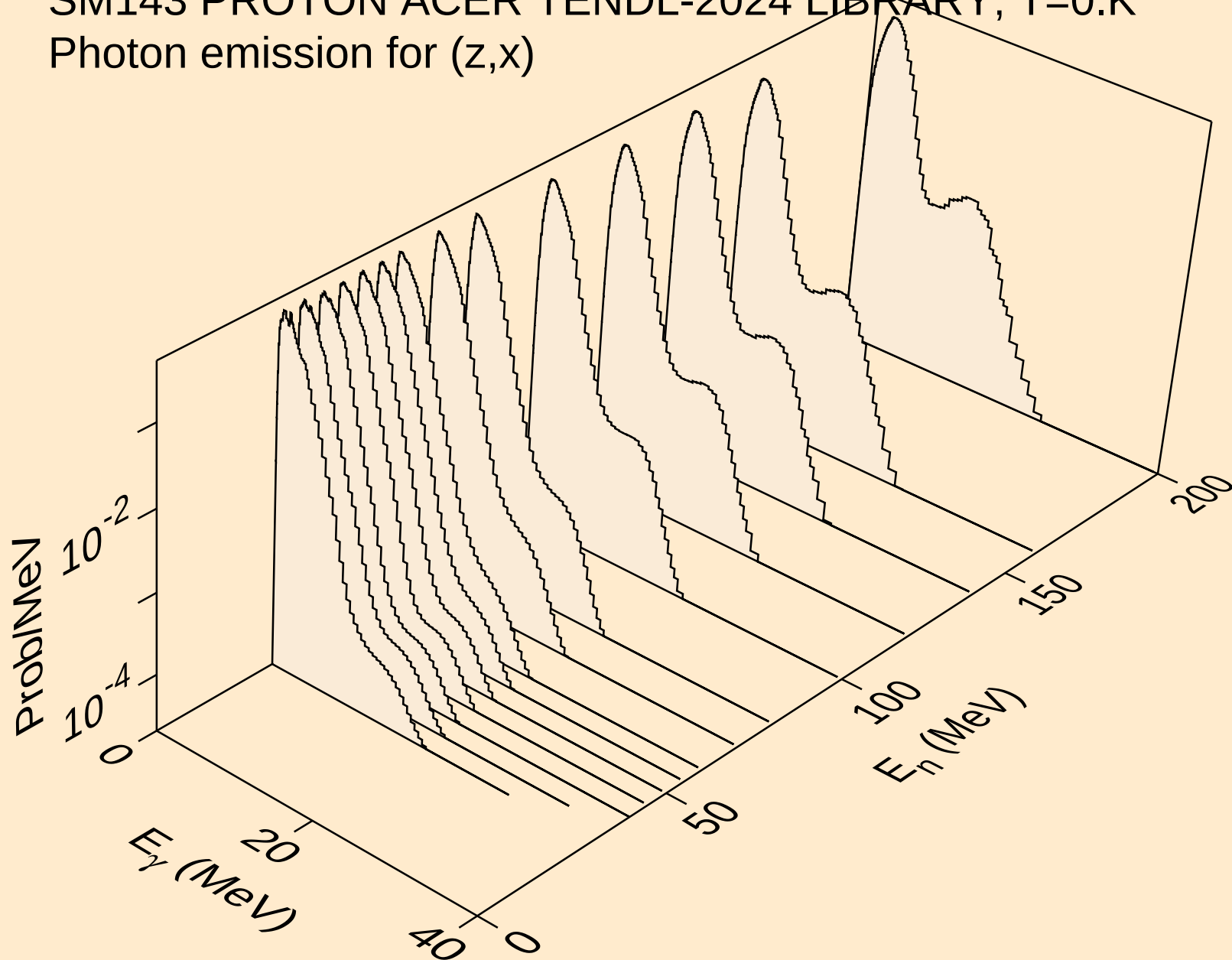
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,pt)



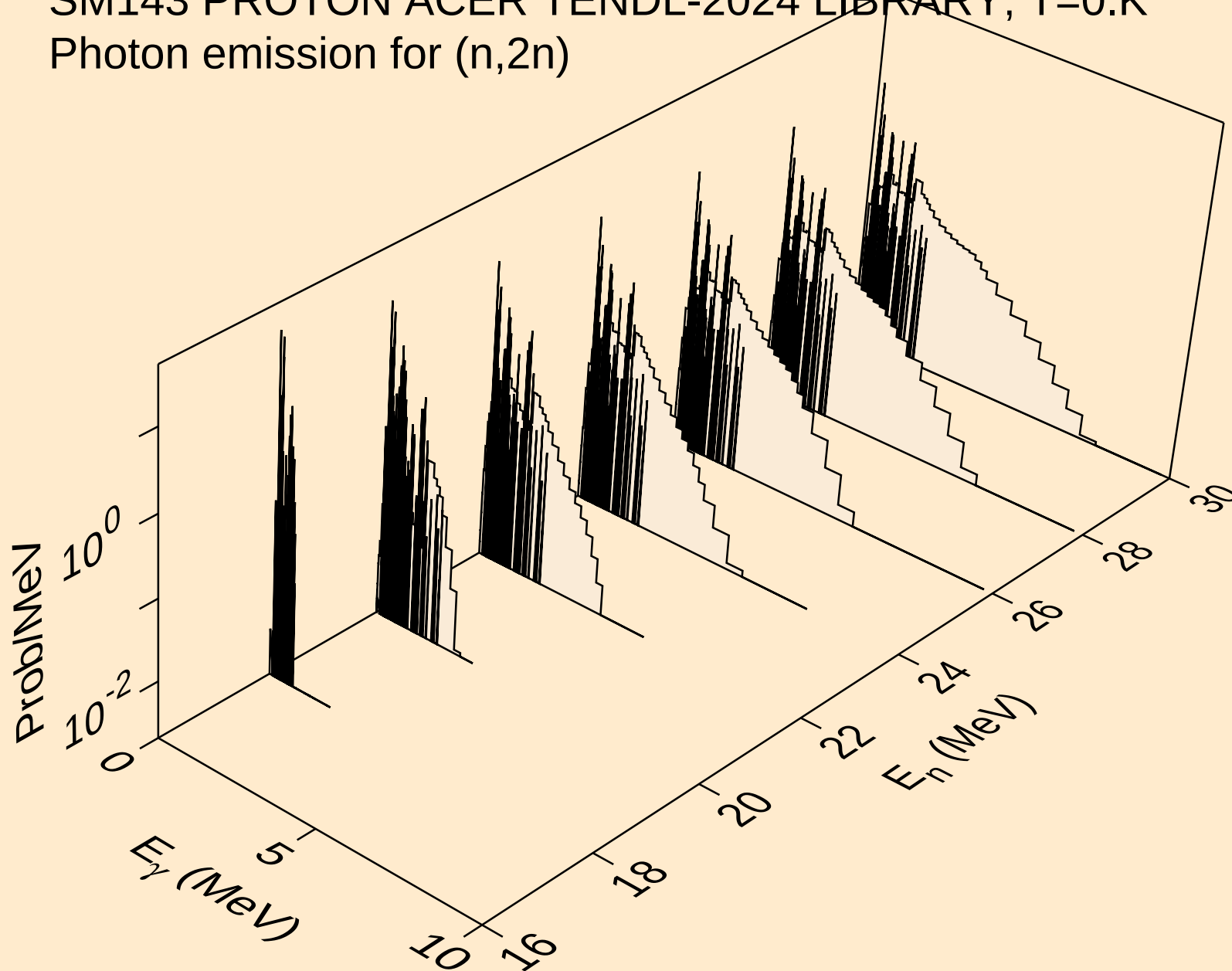
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,n)



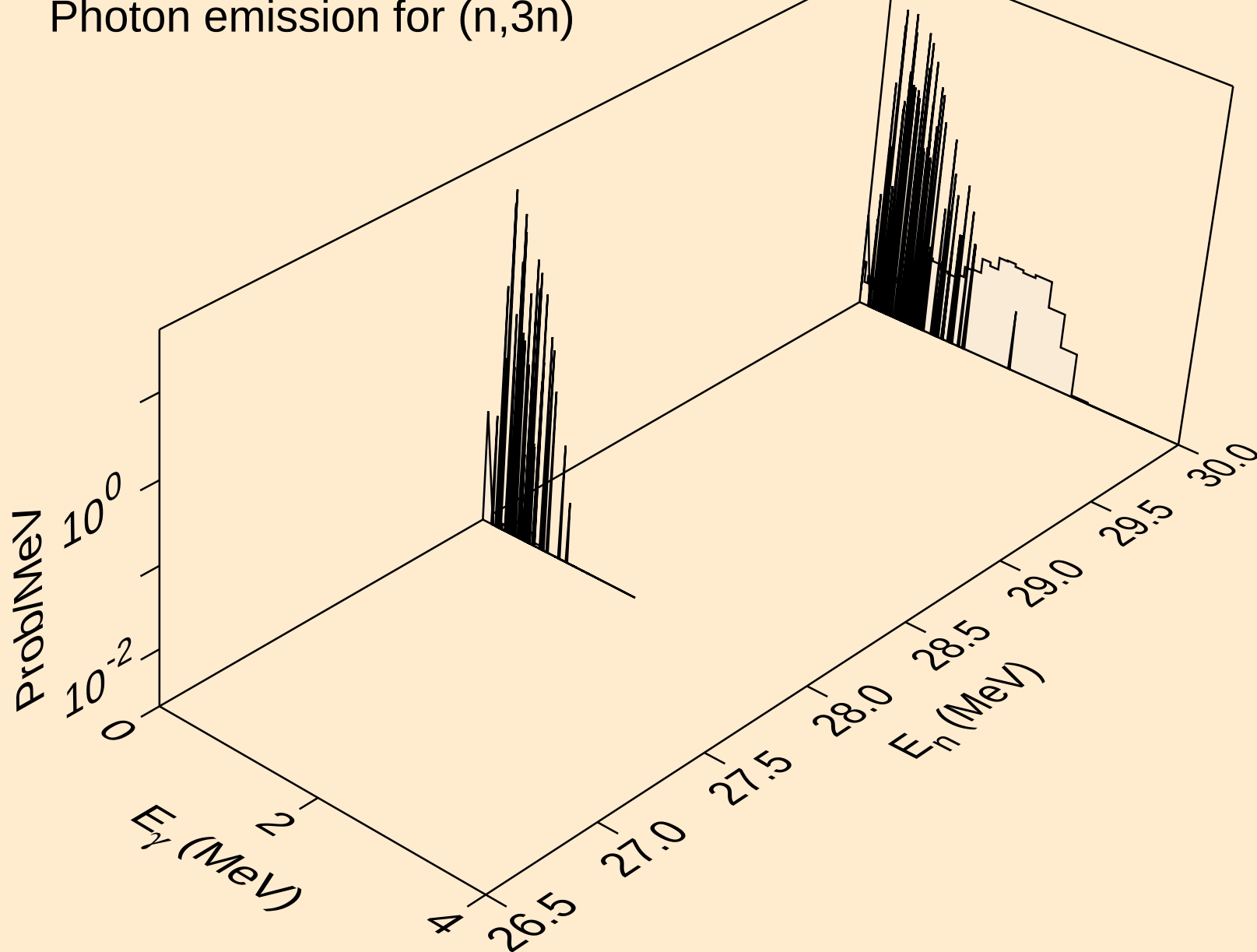
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,x)



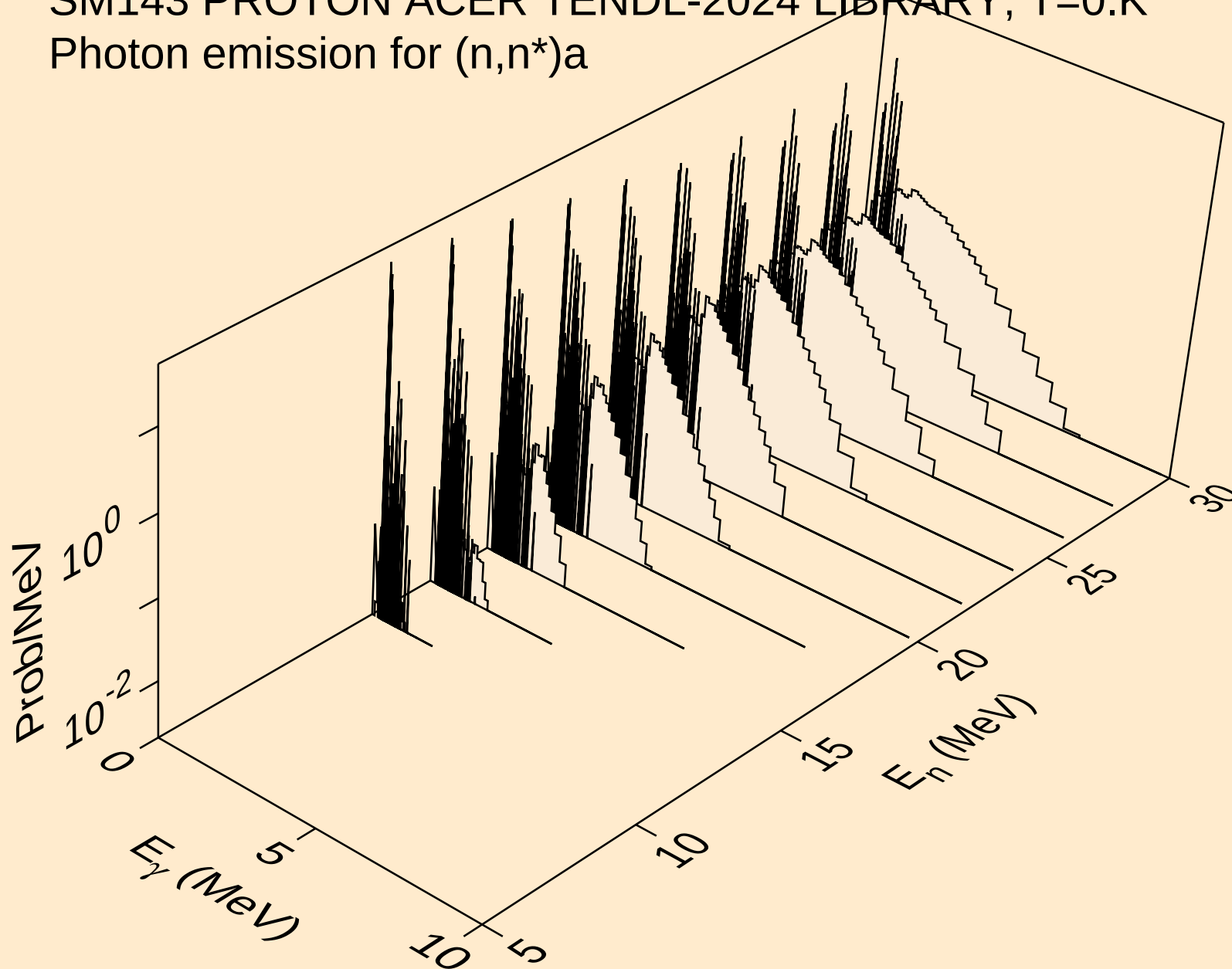
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)

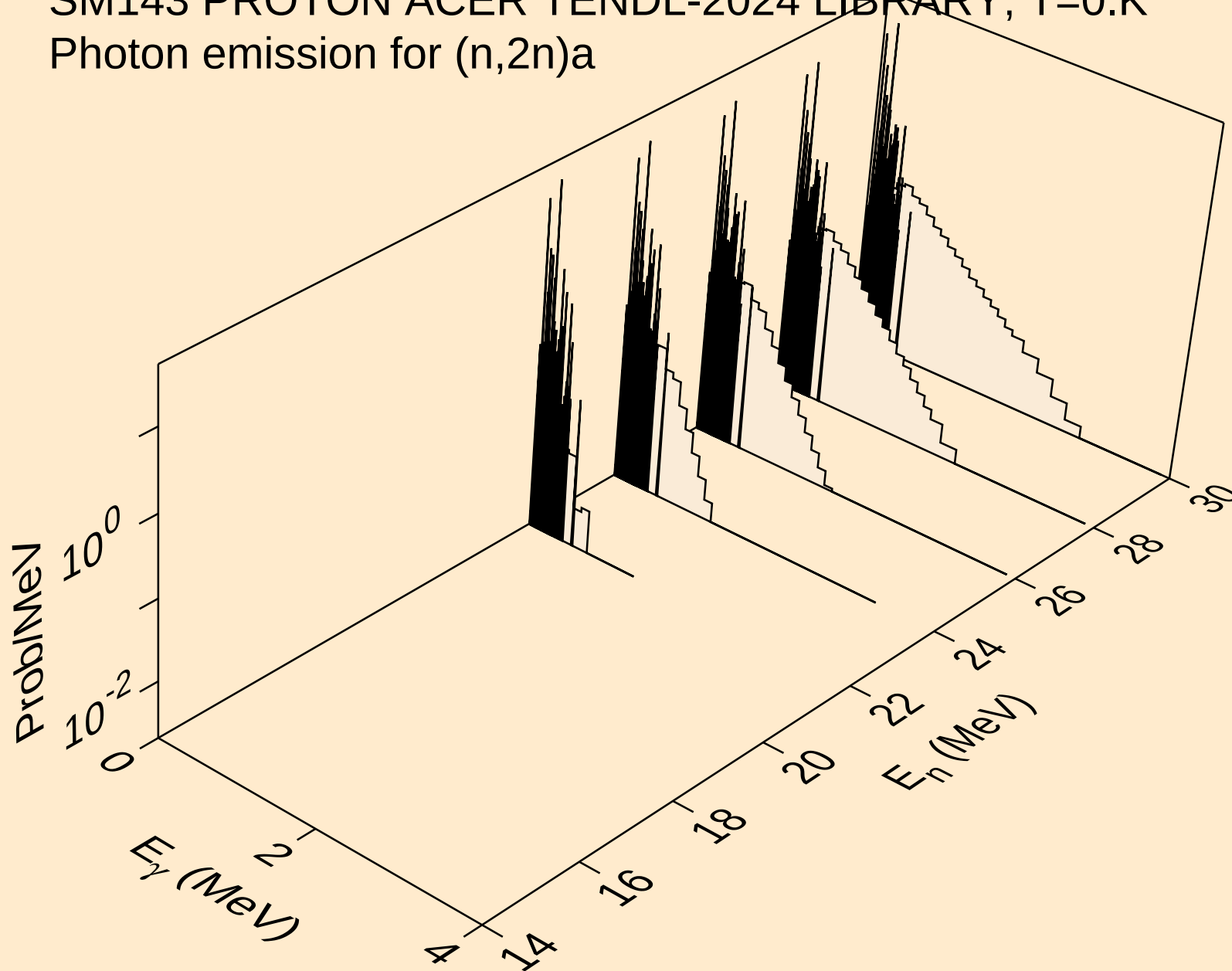


SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

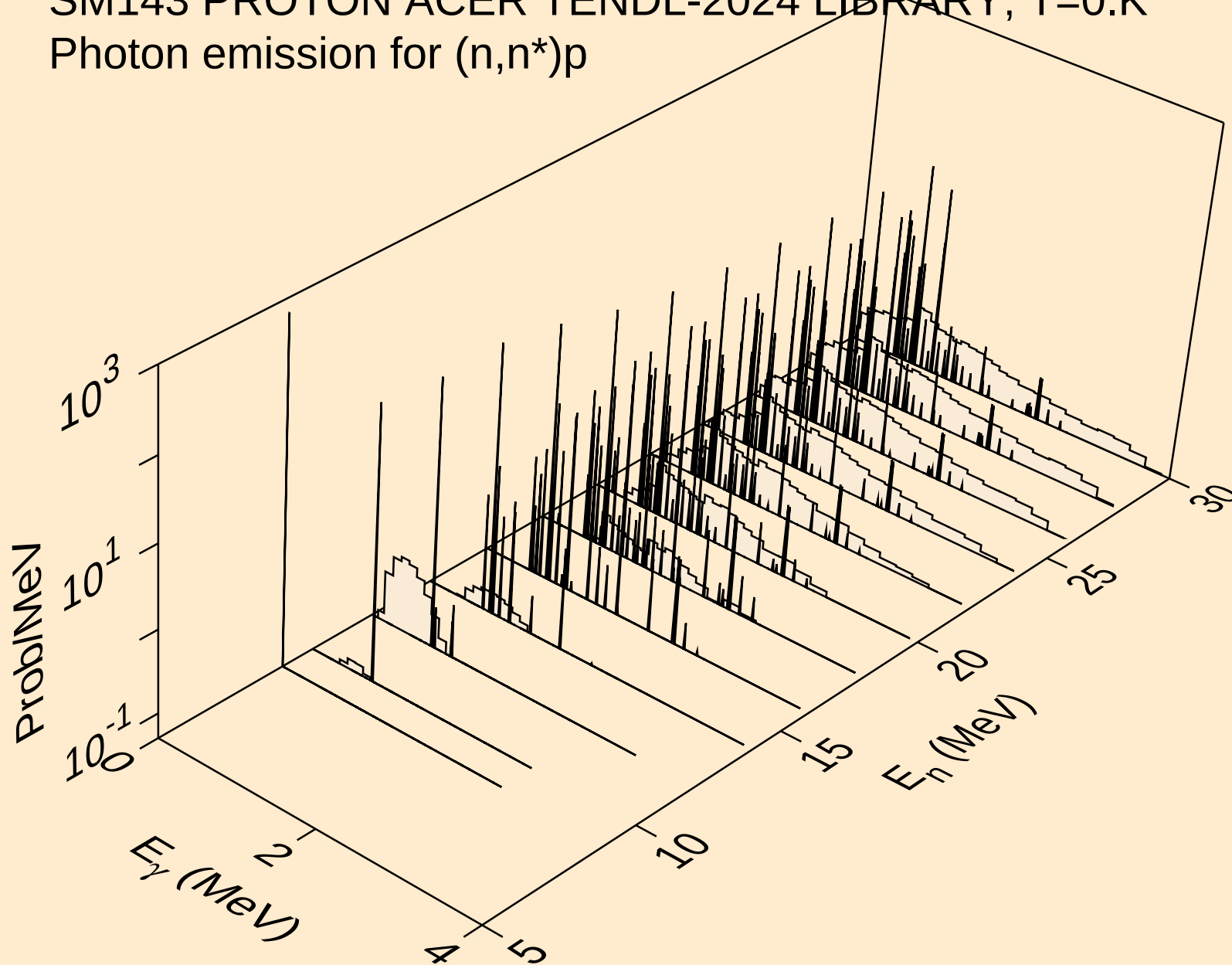


SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K

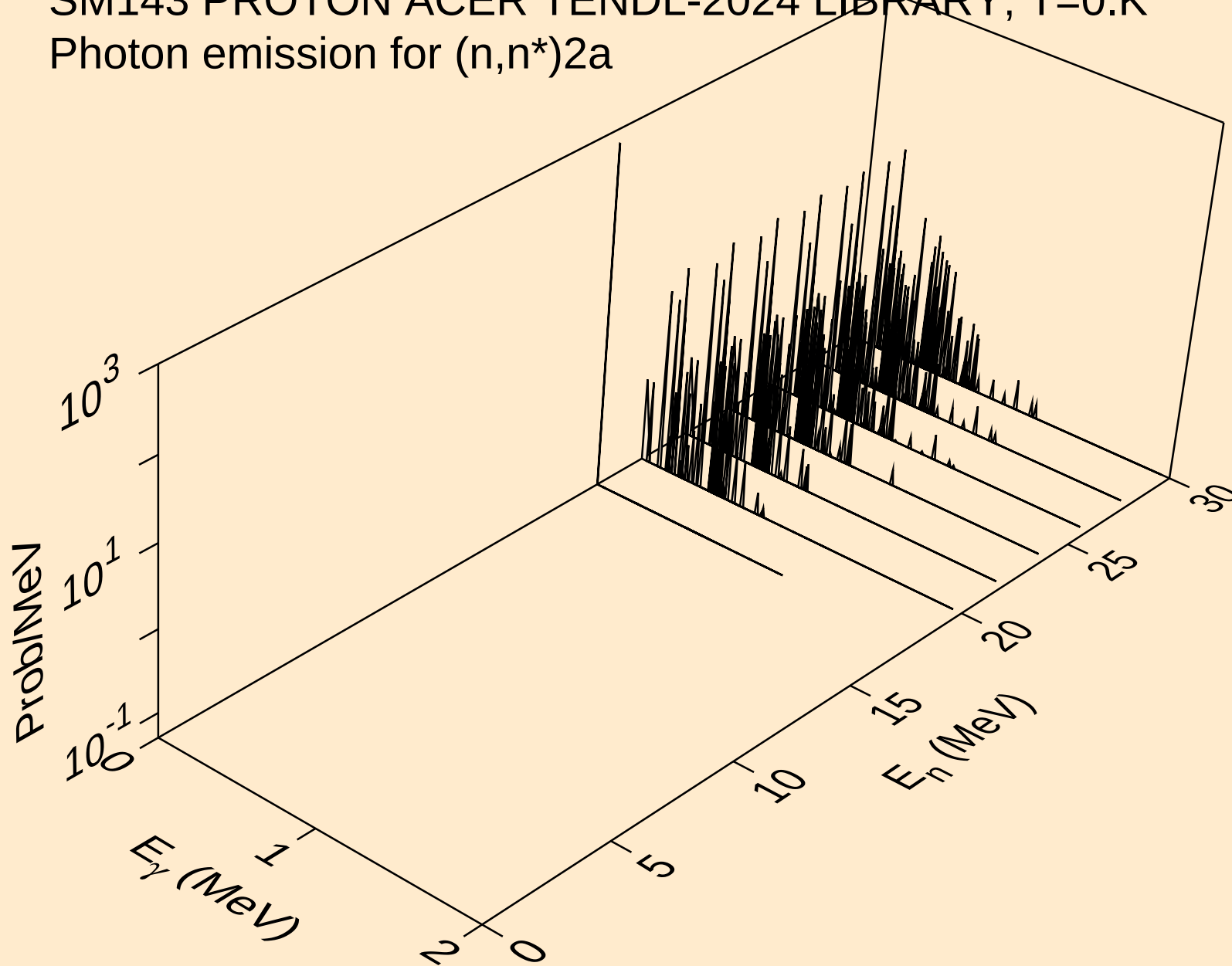
Photon emission for (n,2n)a



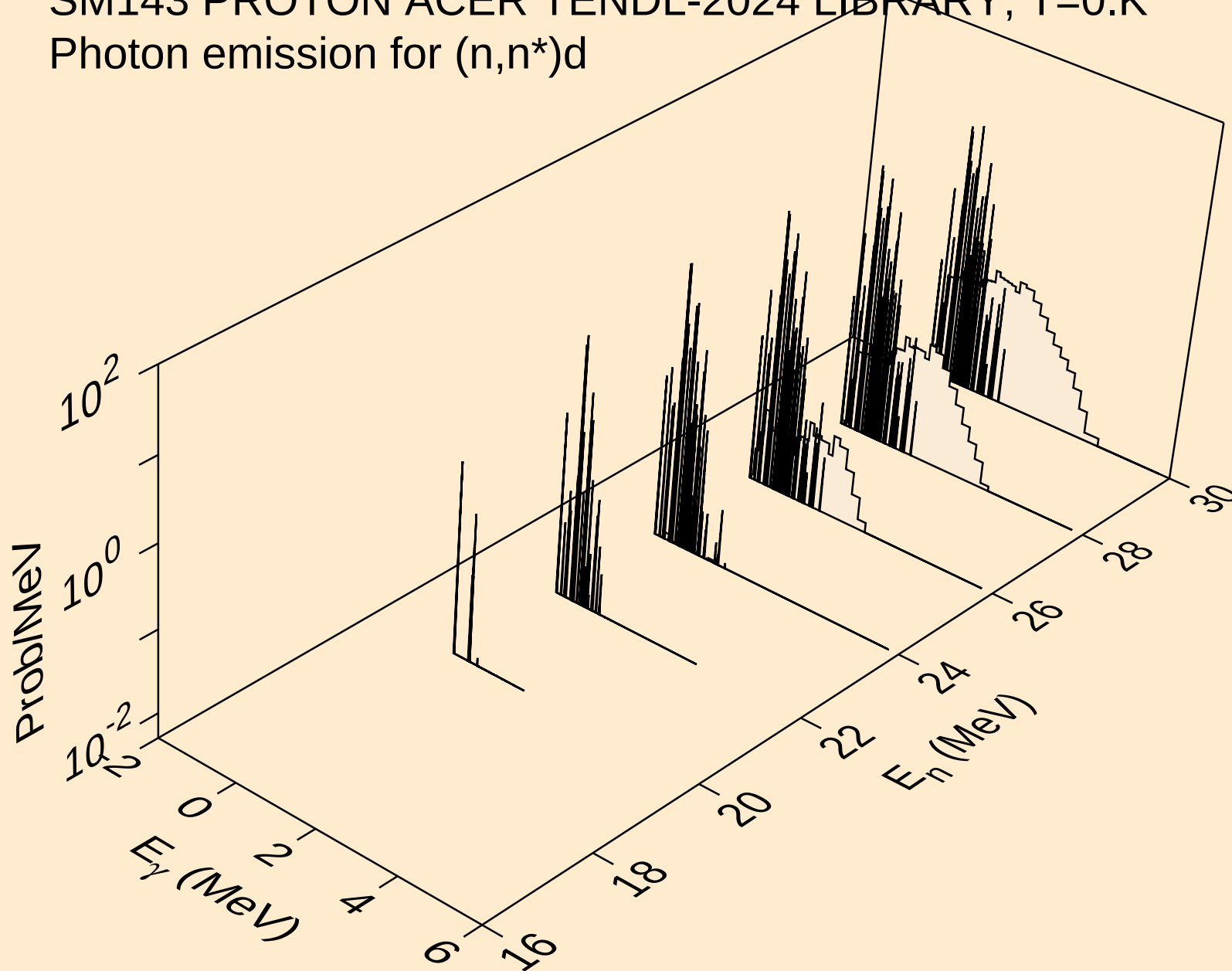
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

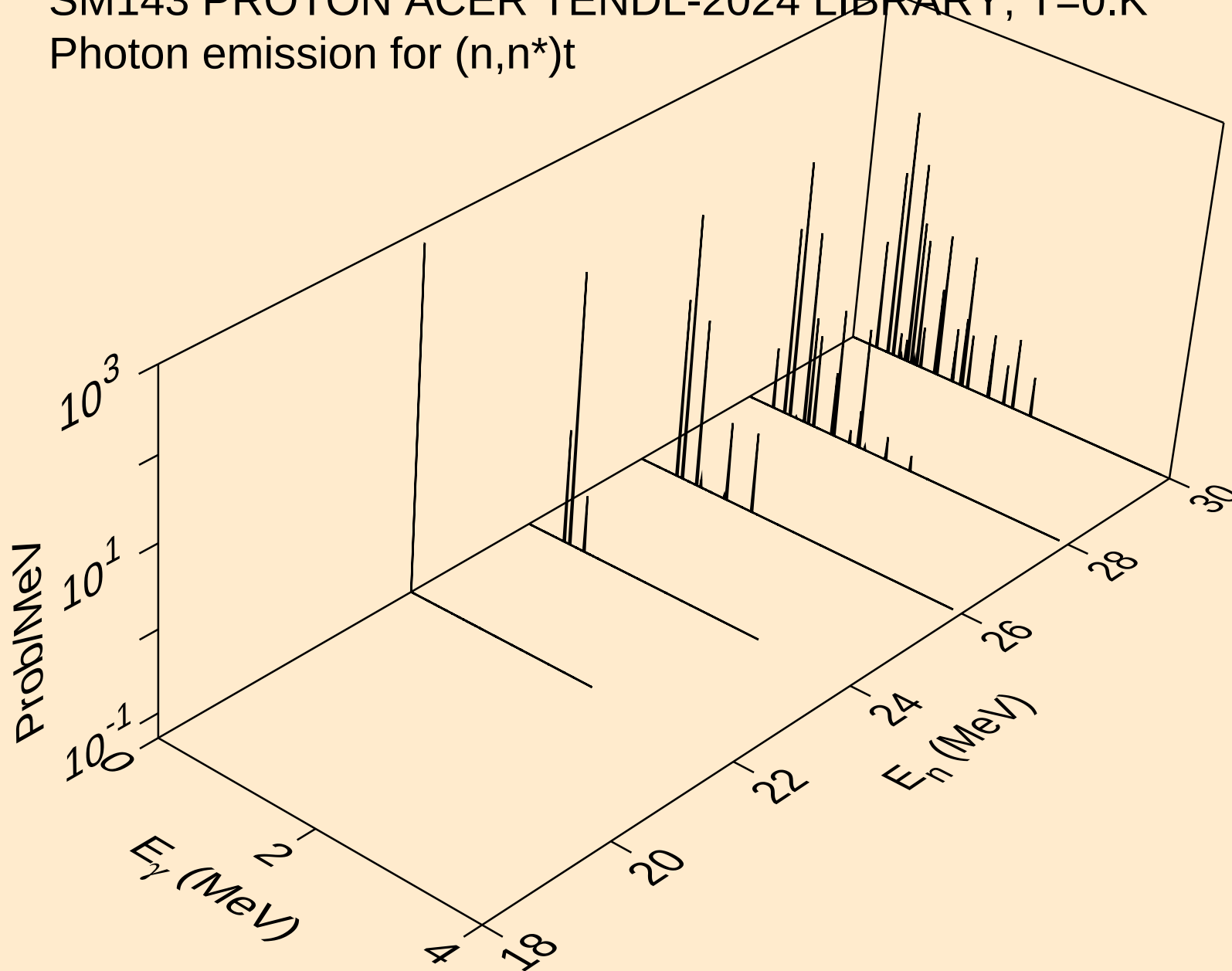


SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

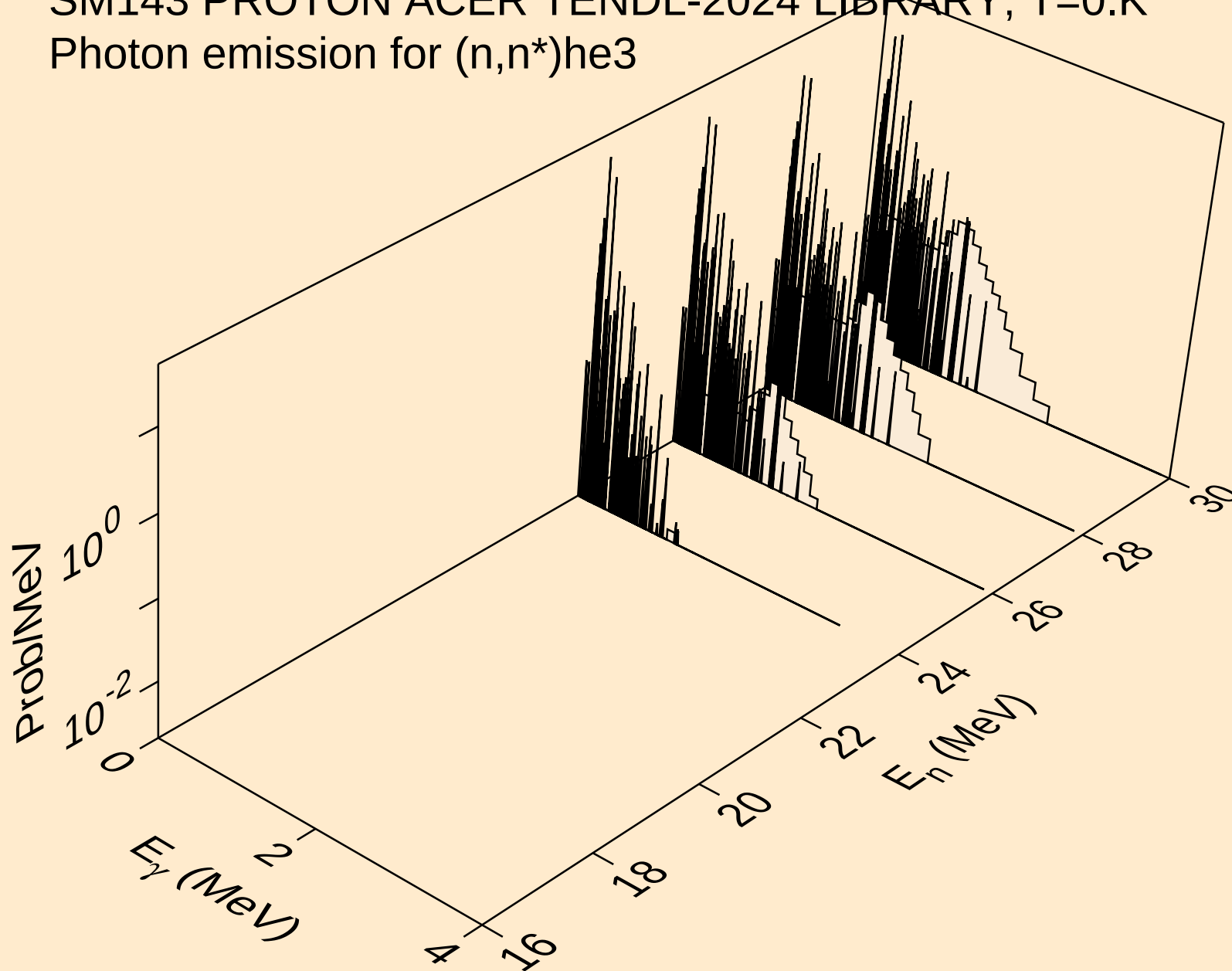


SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K

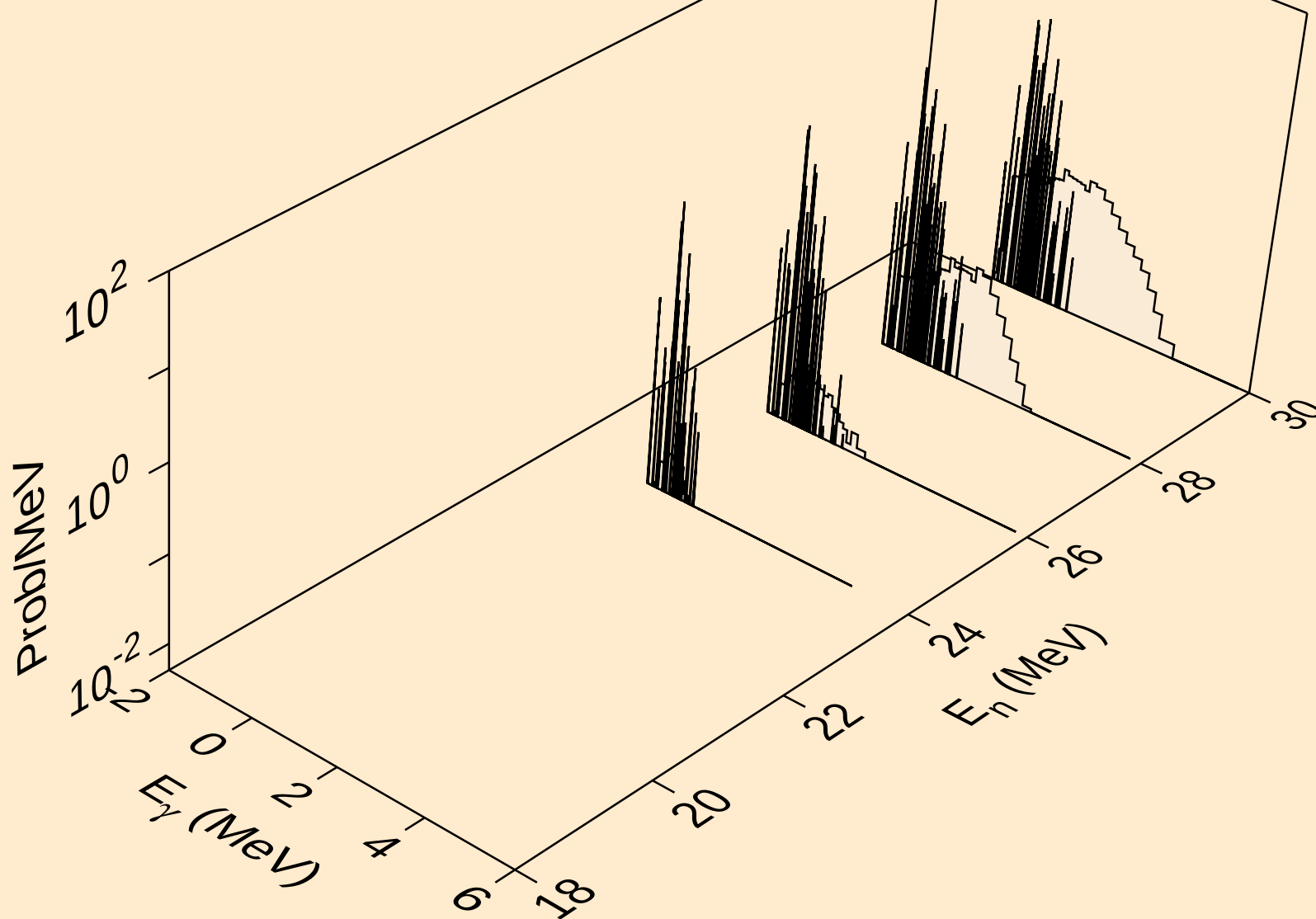
Photon emission for (n,n\*)t



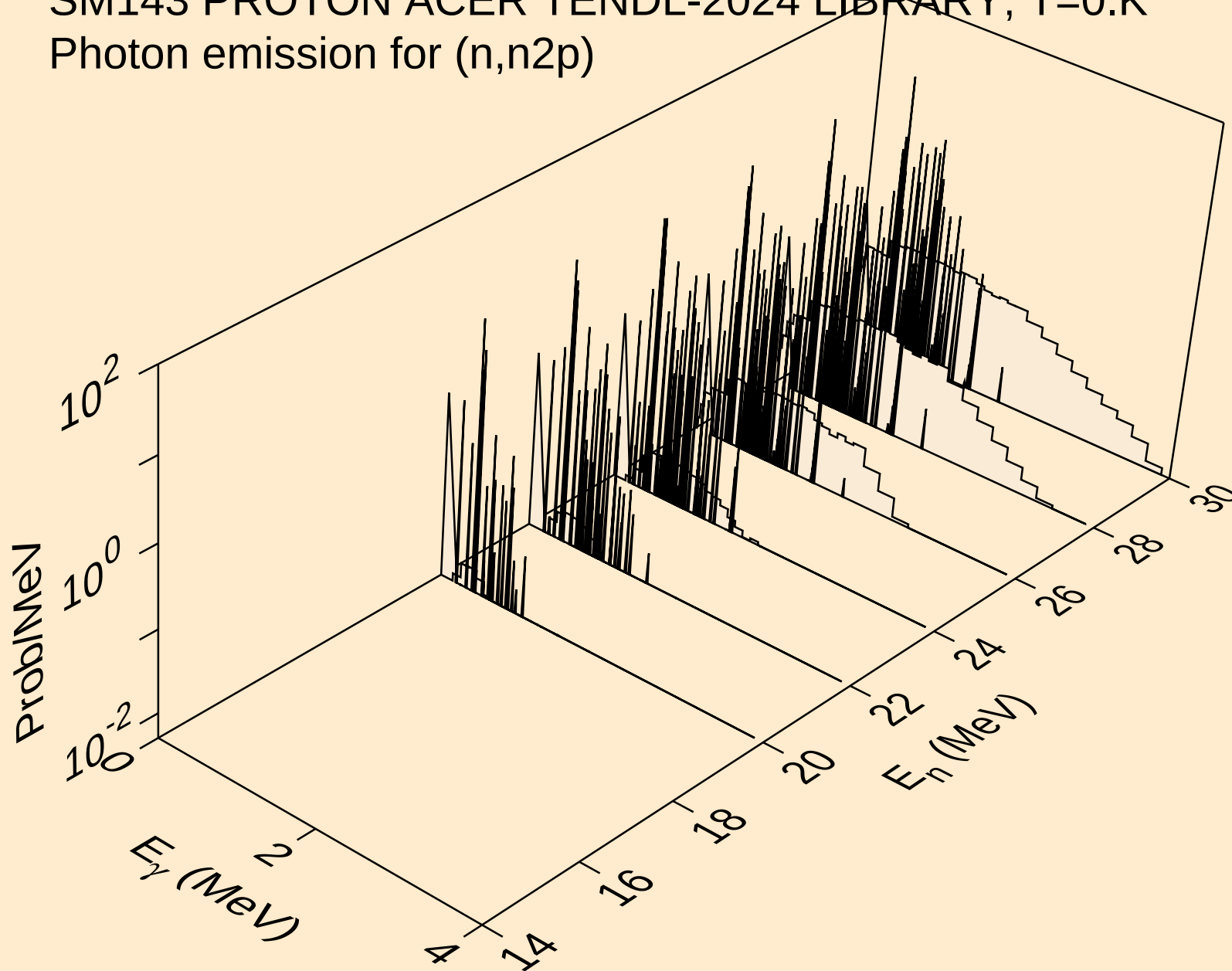
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



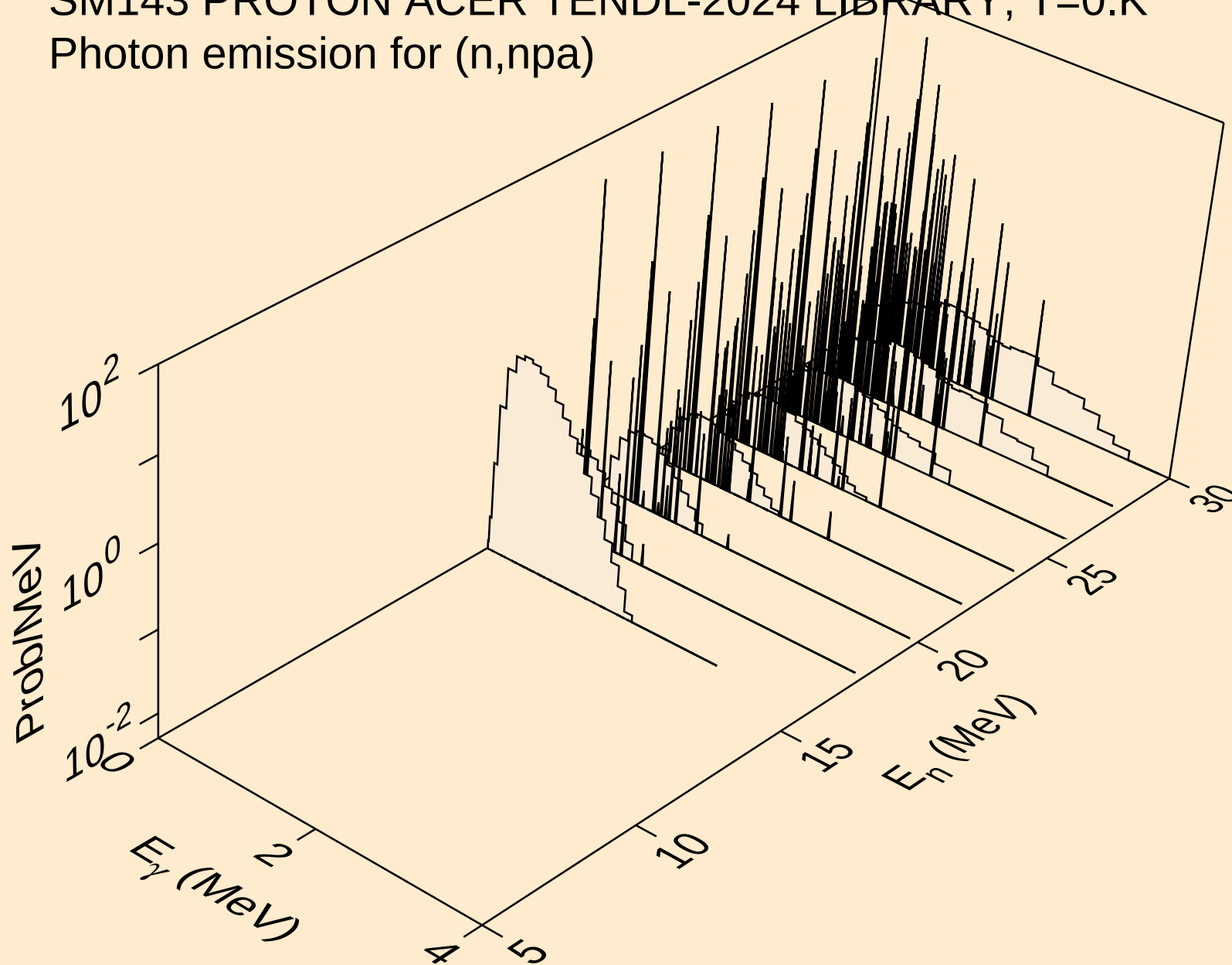
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



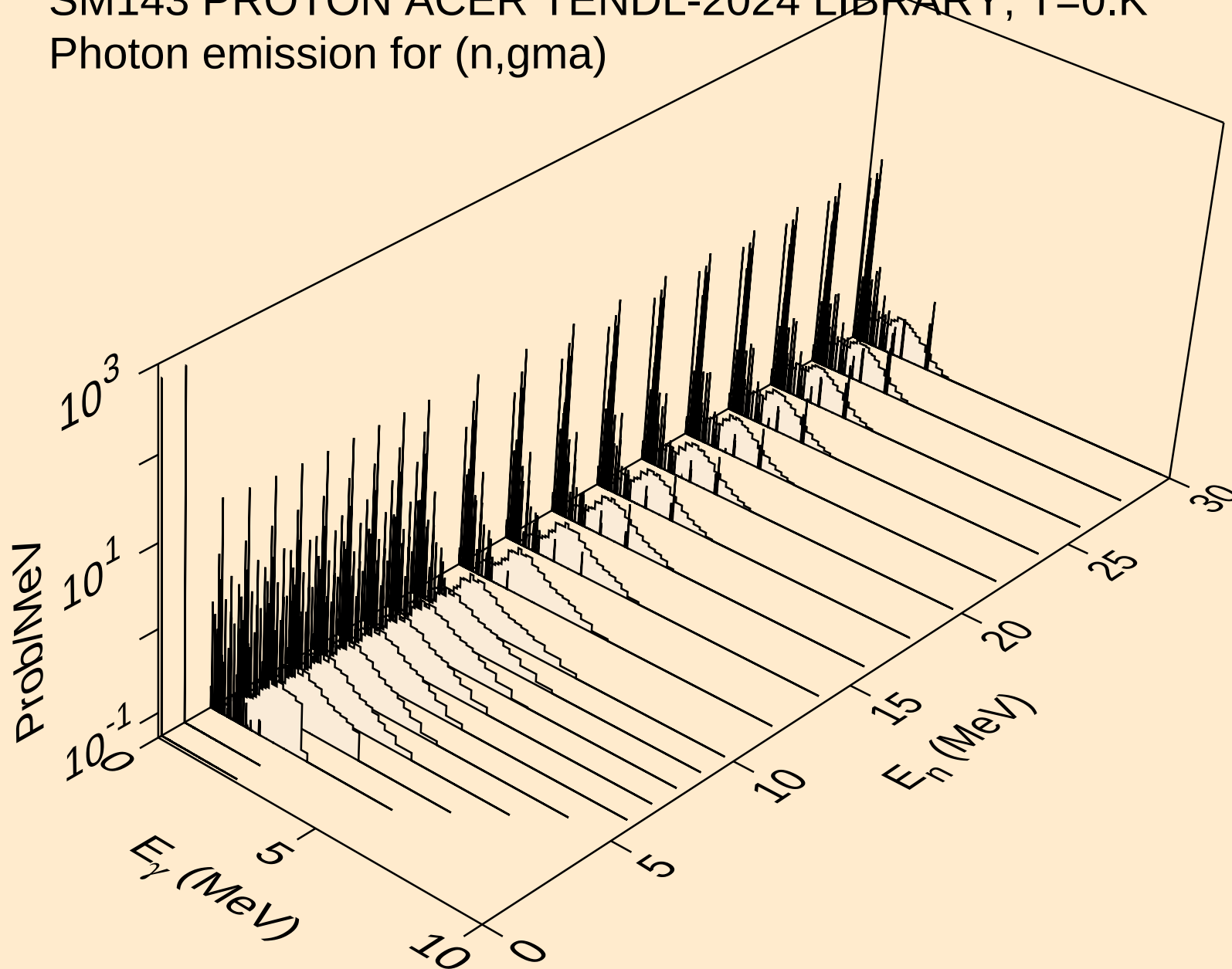
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



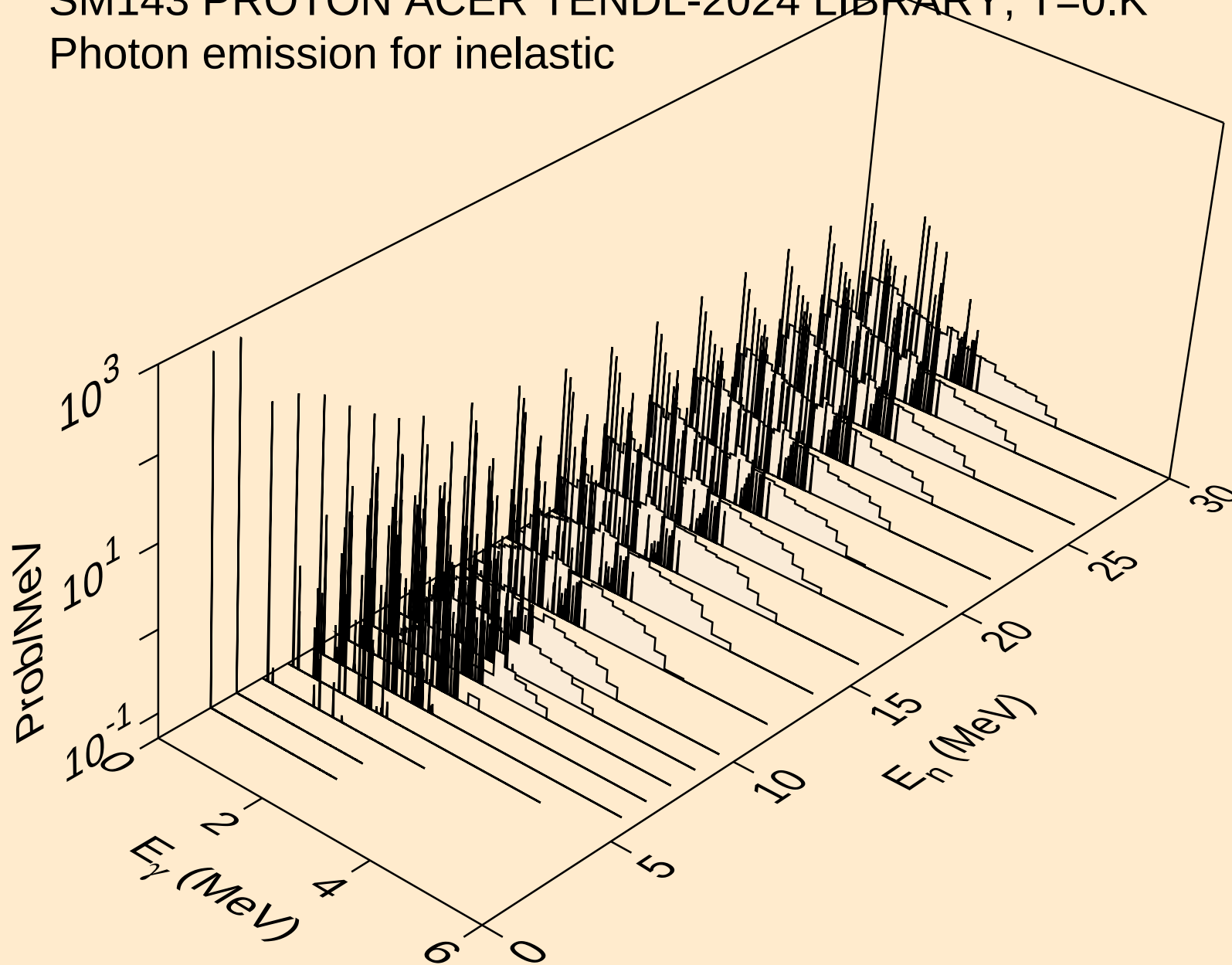
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



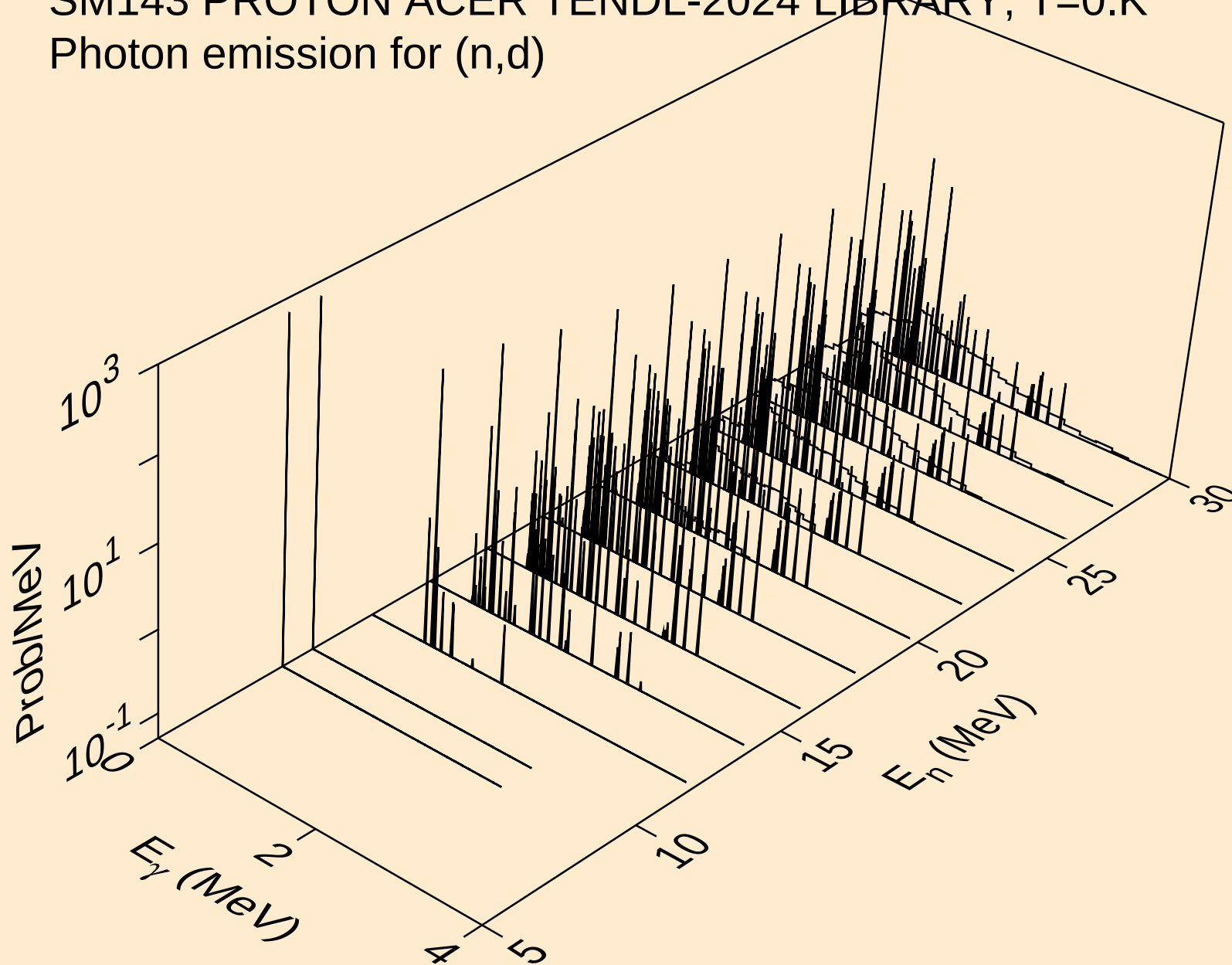
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Photon emission for (n,gma)



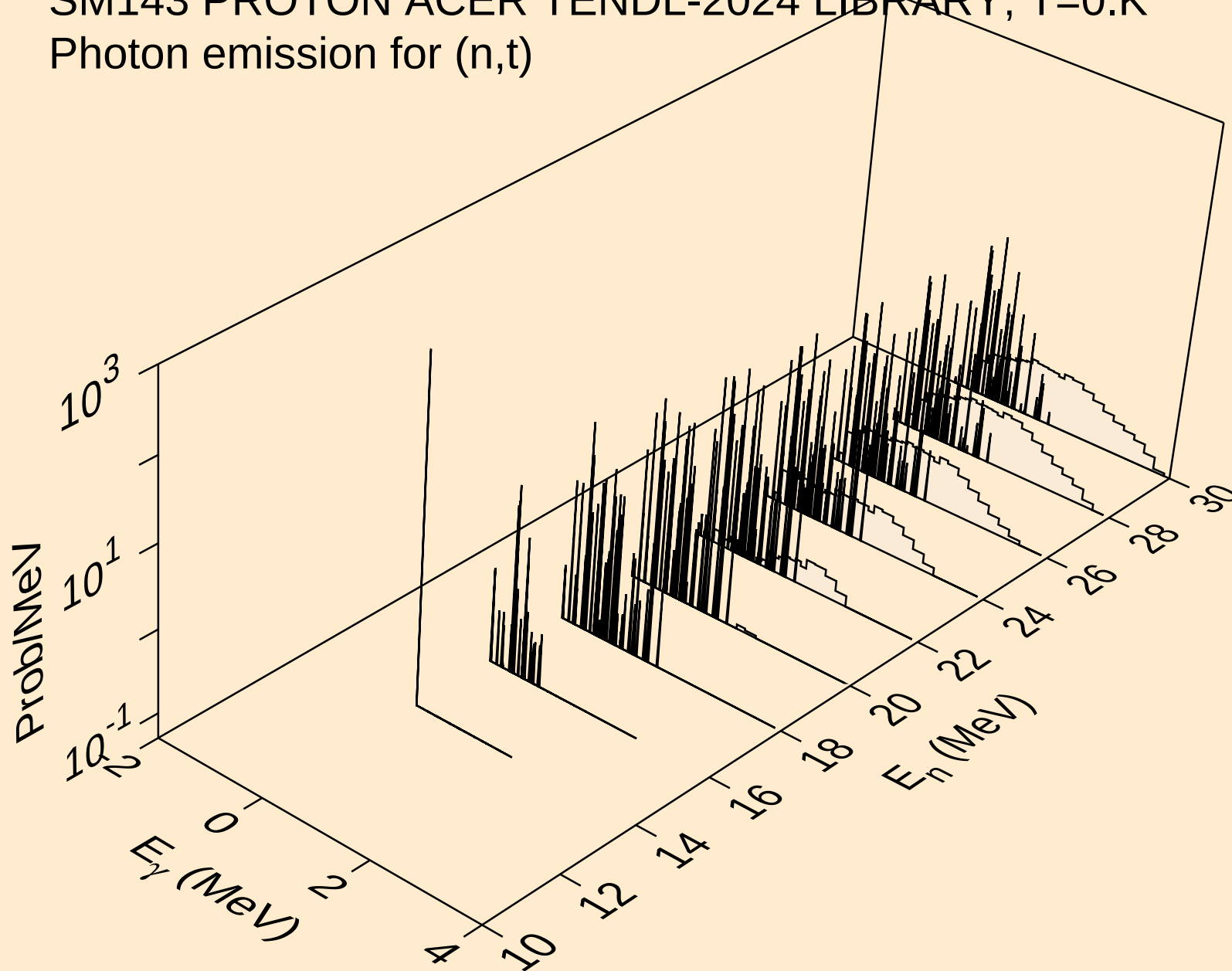
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for inelastic



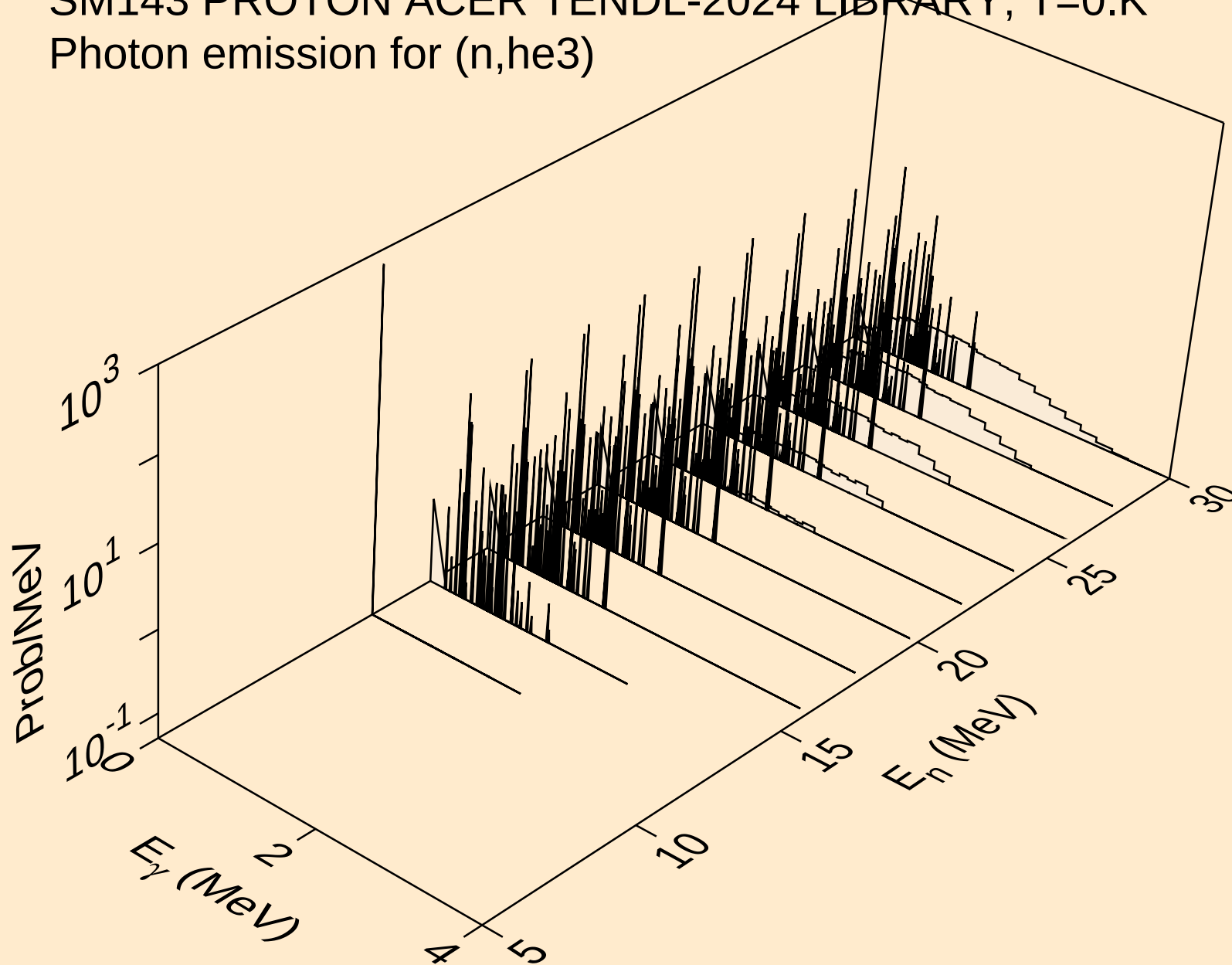
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



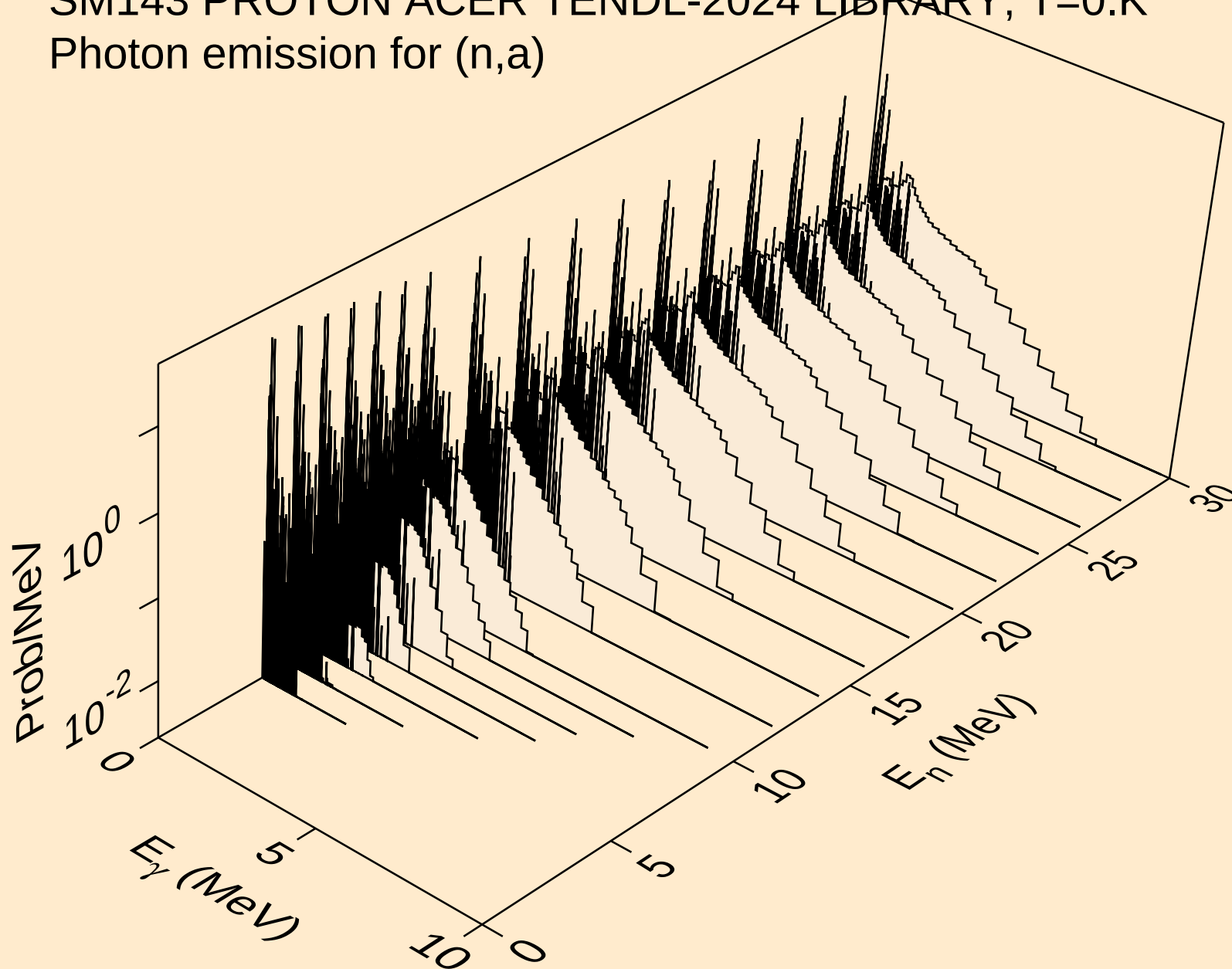
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



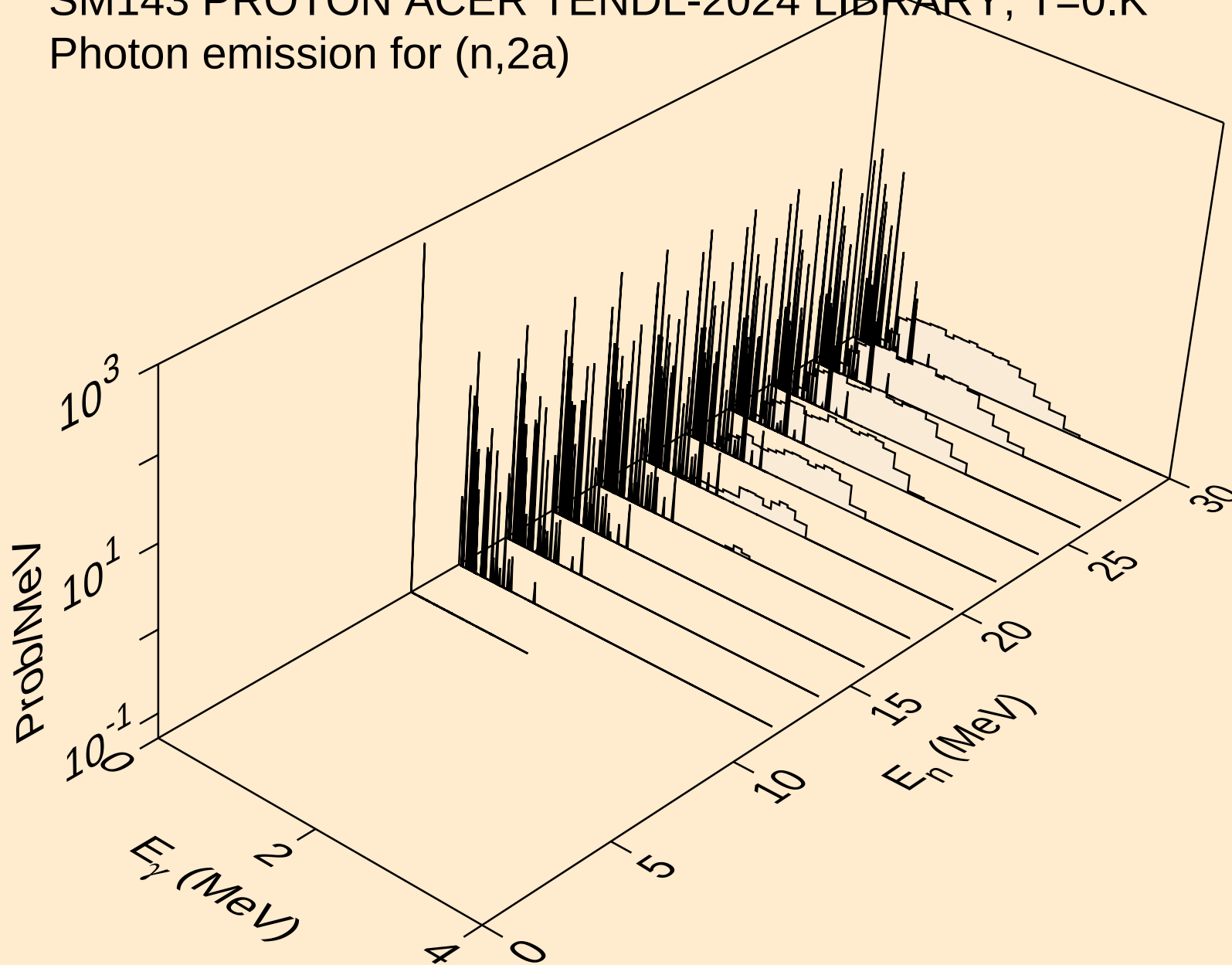
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



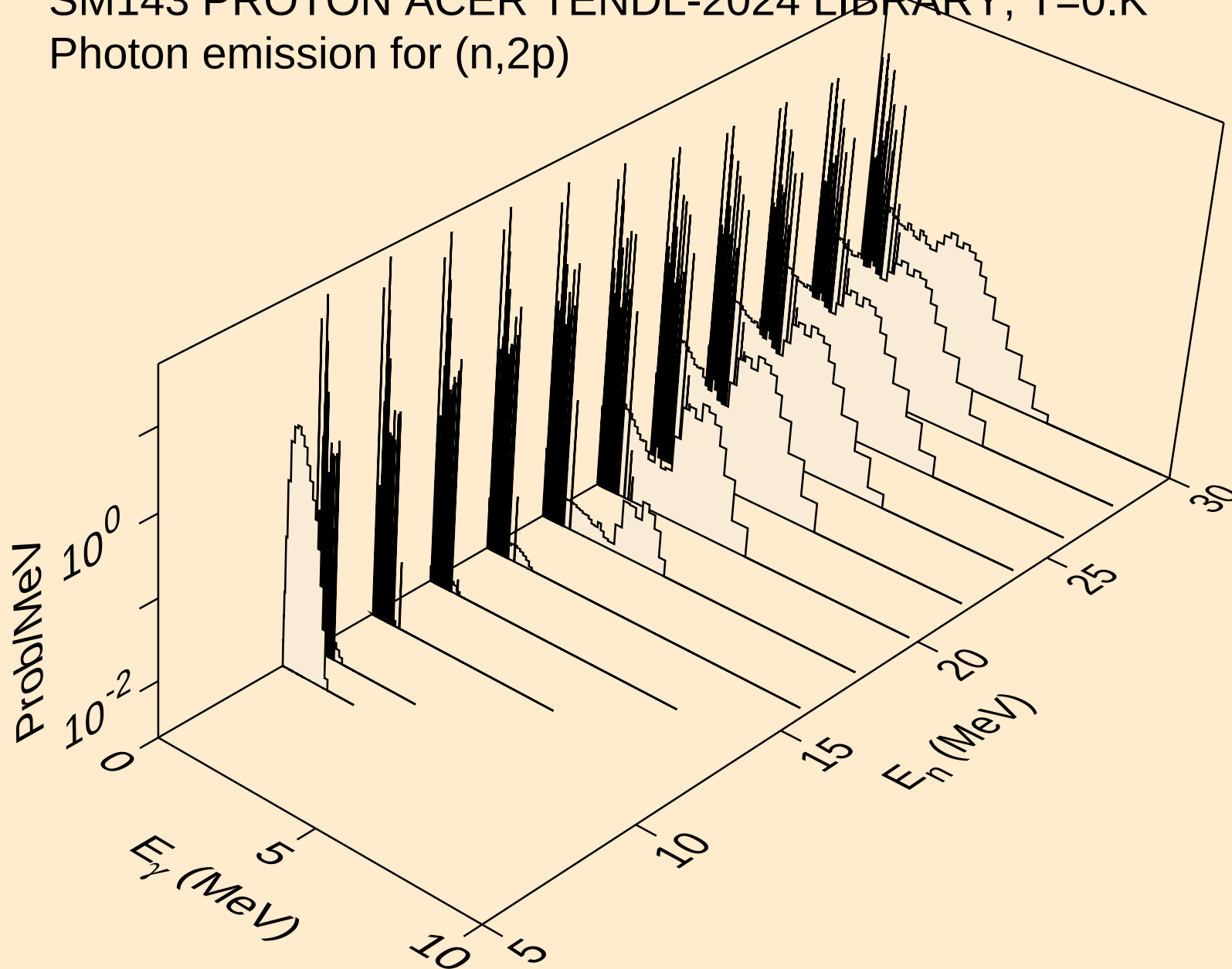
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



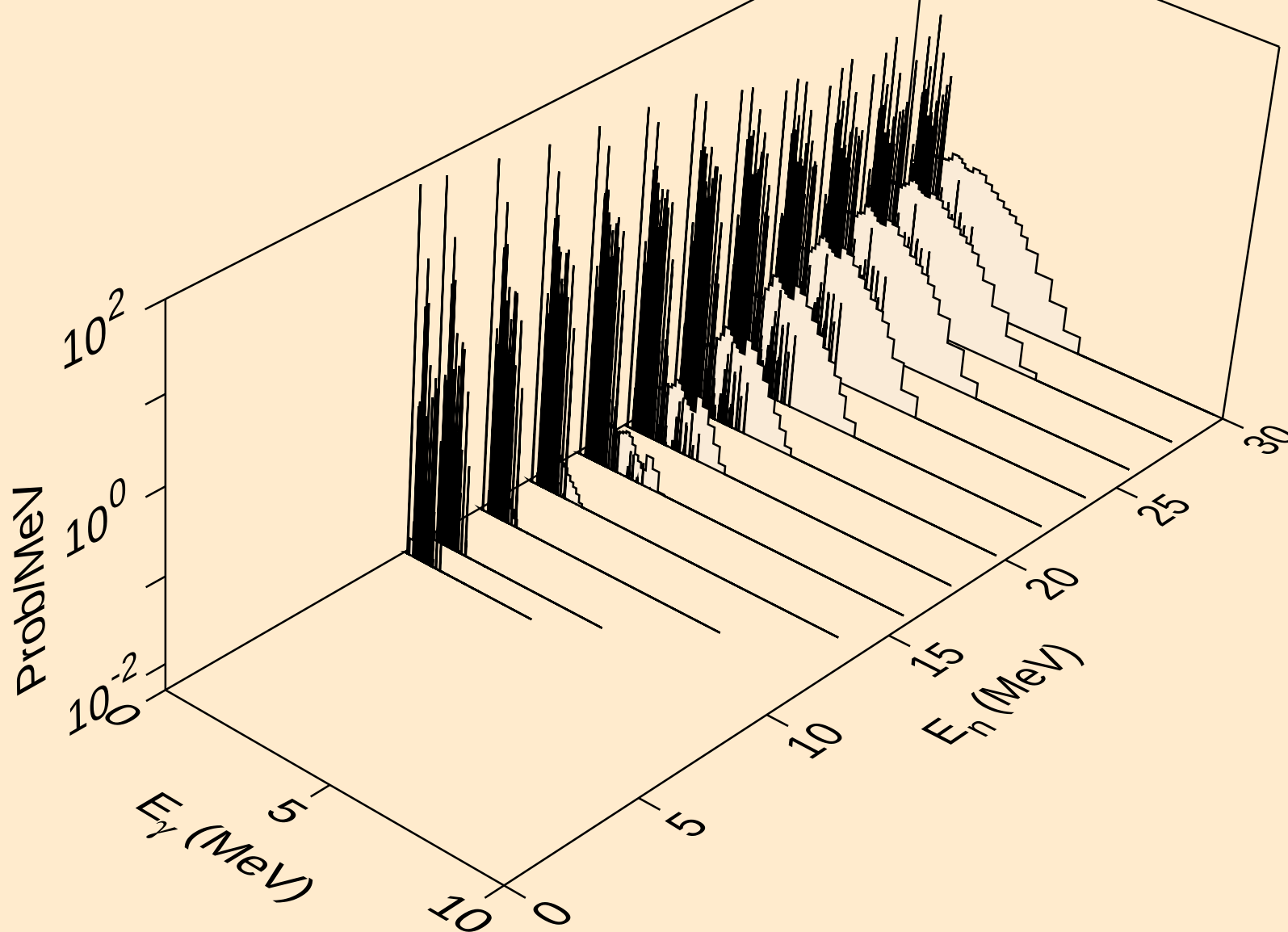
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)



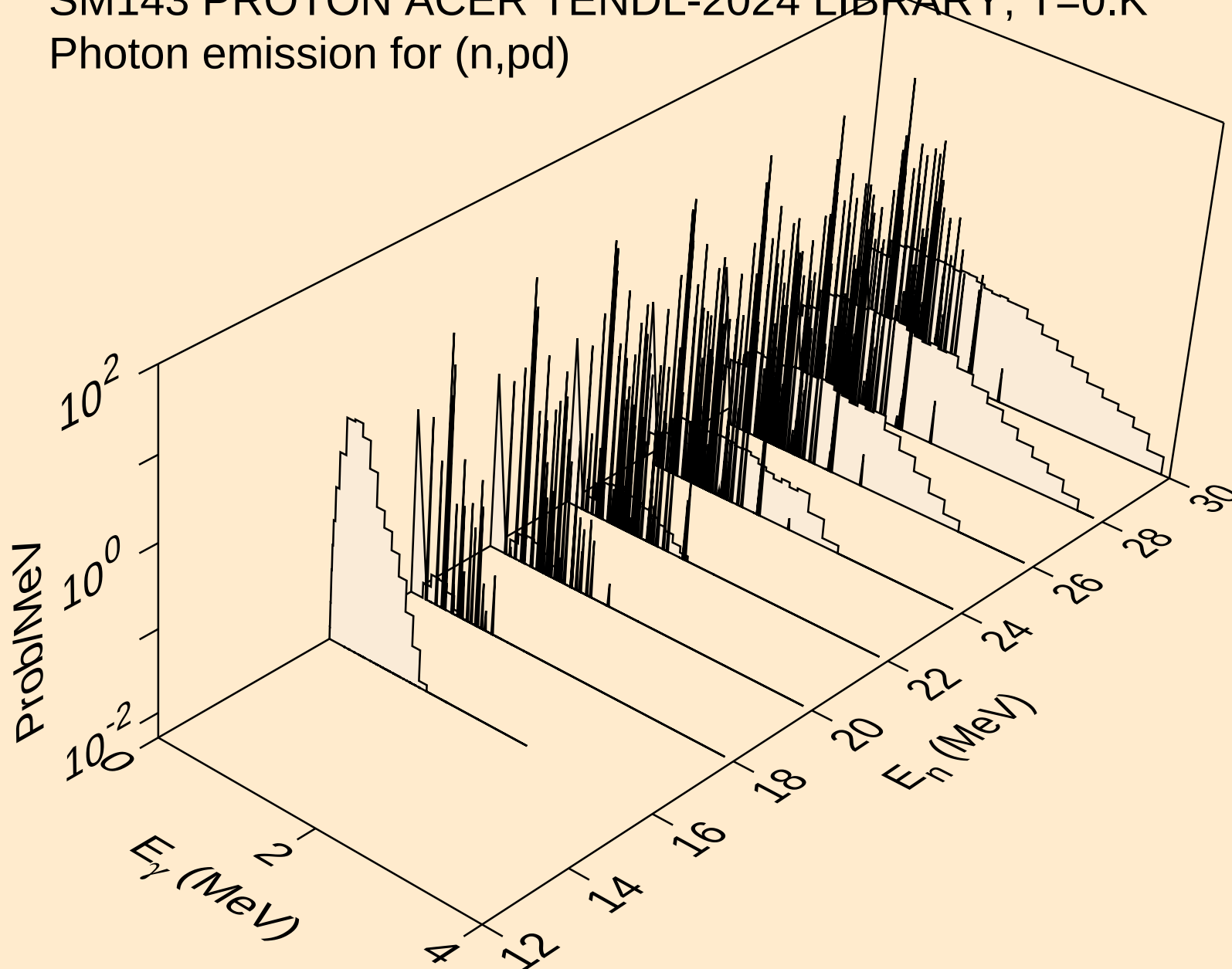
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Photon emission for (n,2p)



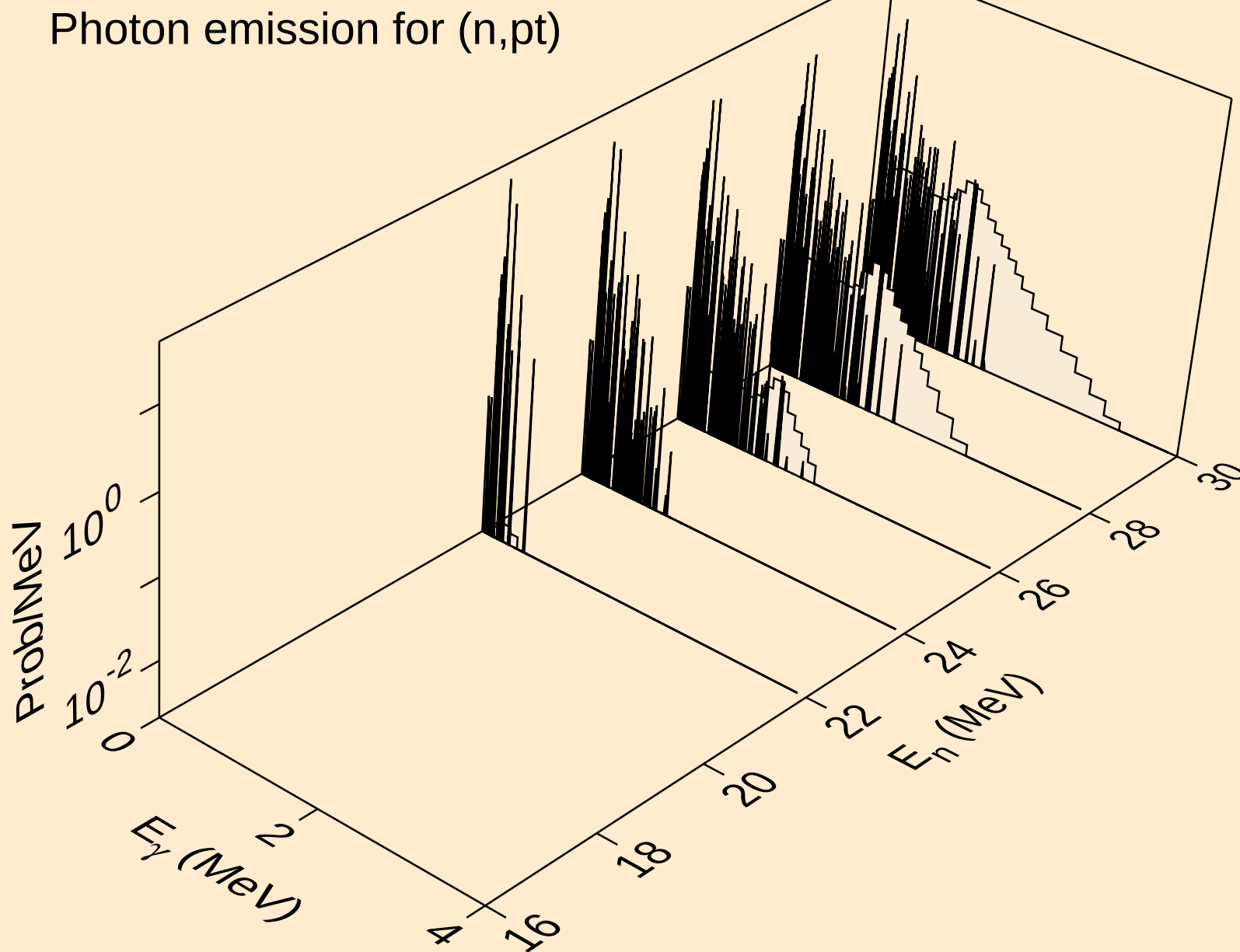
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p) $\alpha$



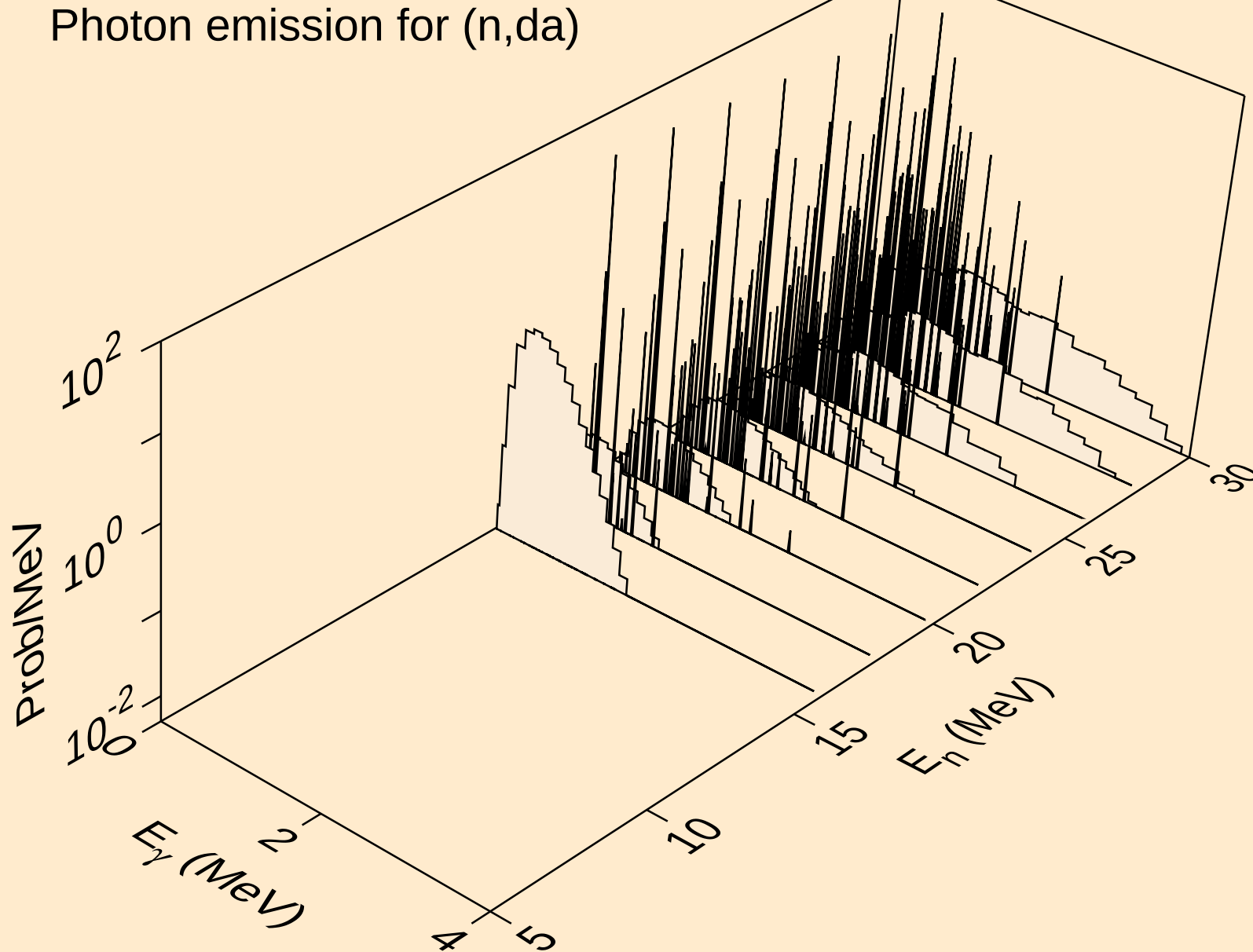
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



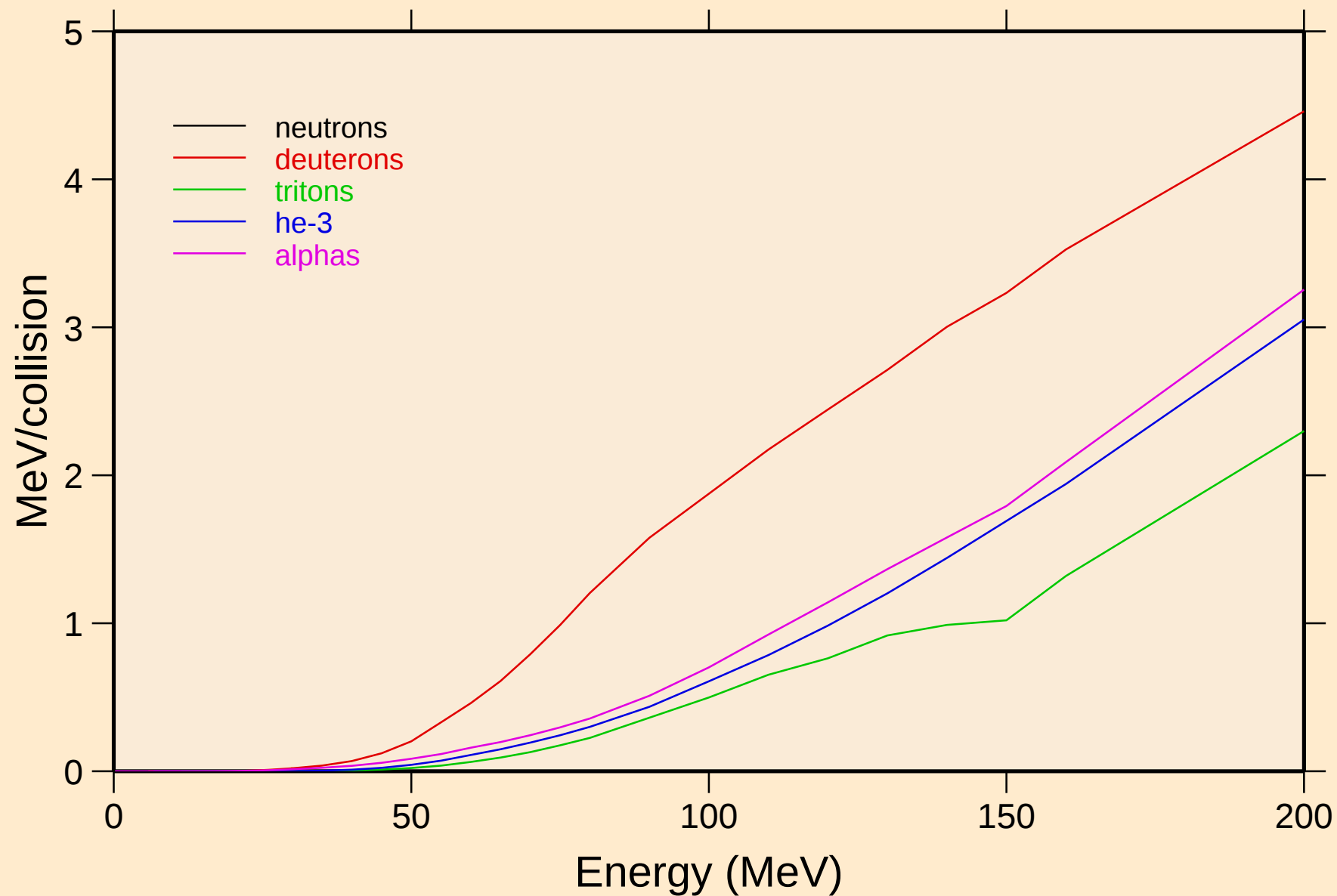
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)



SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)

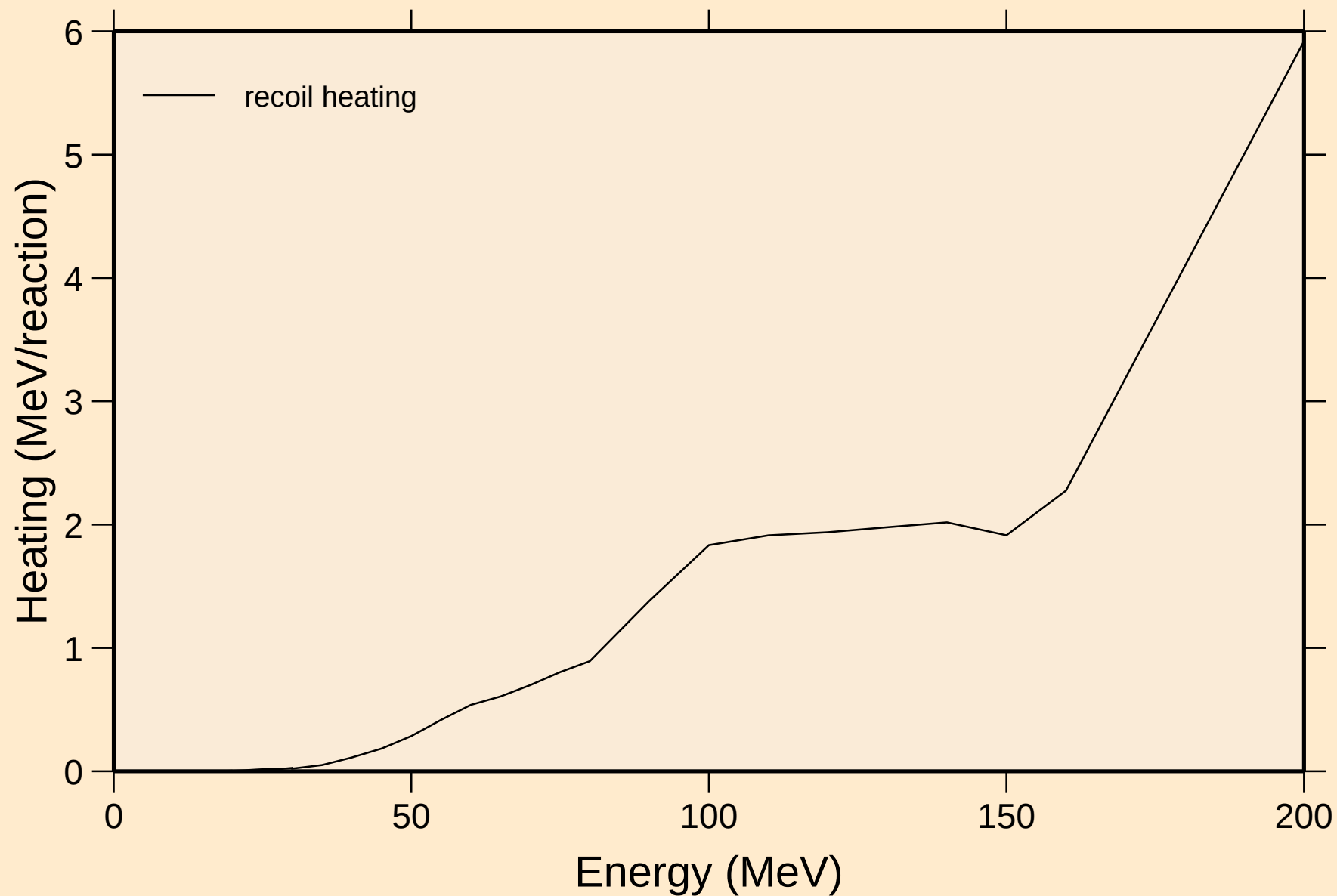


SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Particle heating contributions



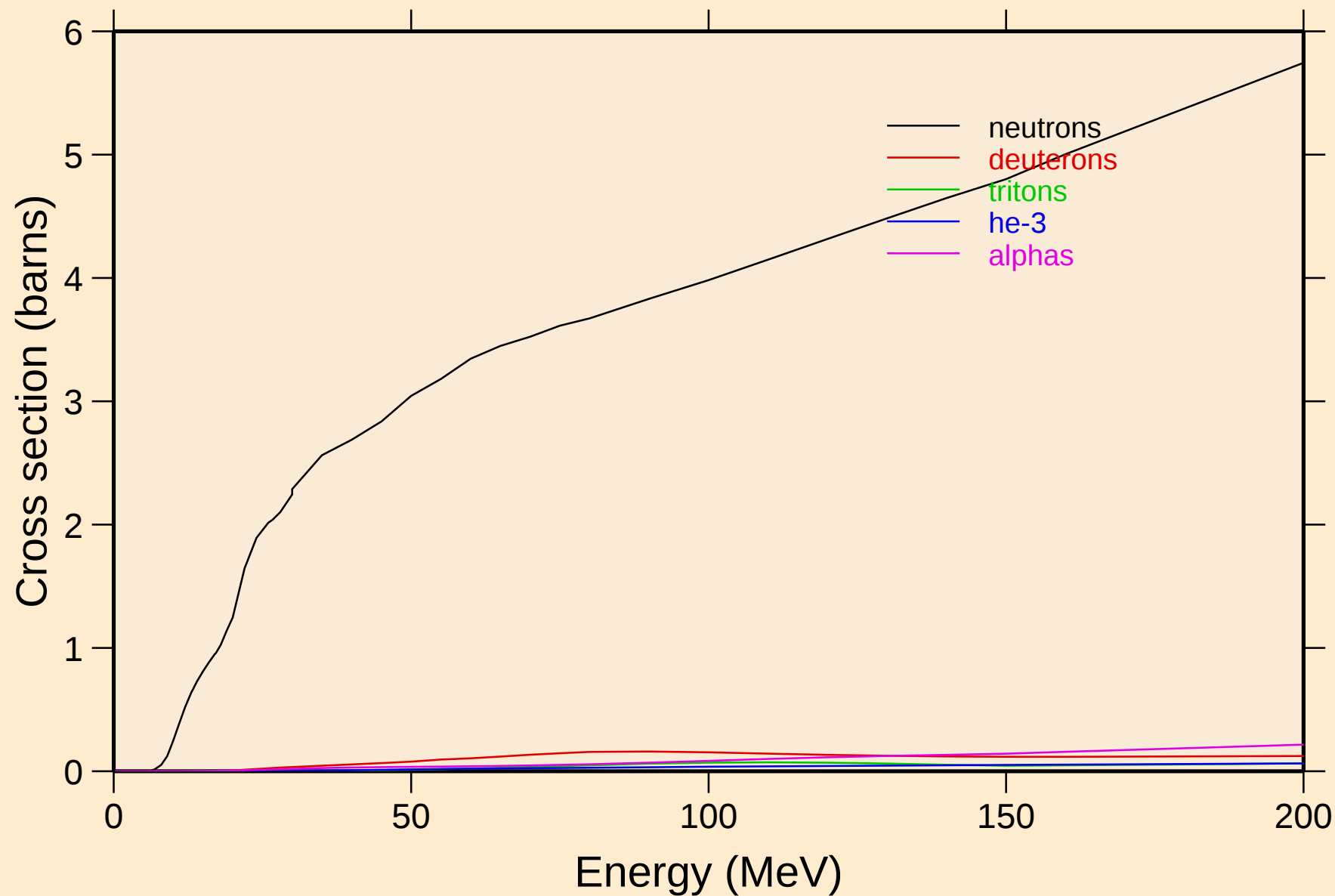
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Recoil Heating

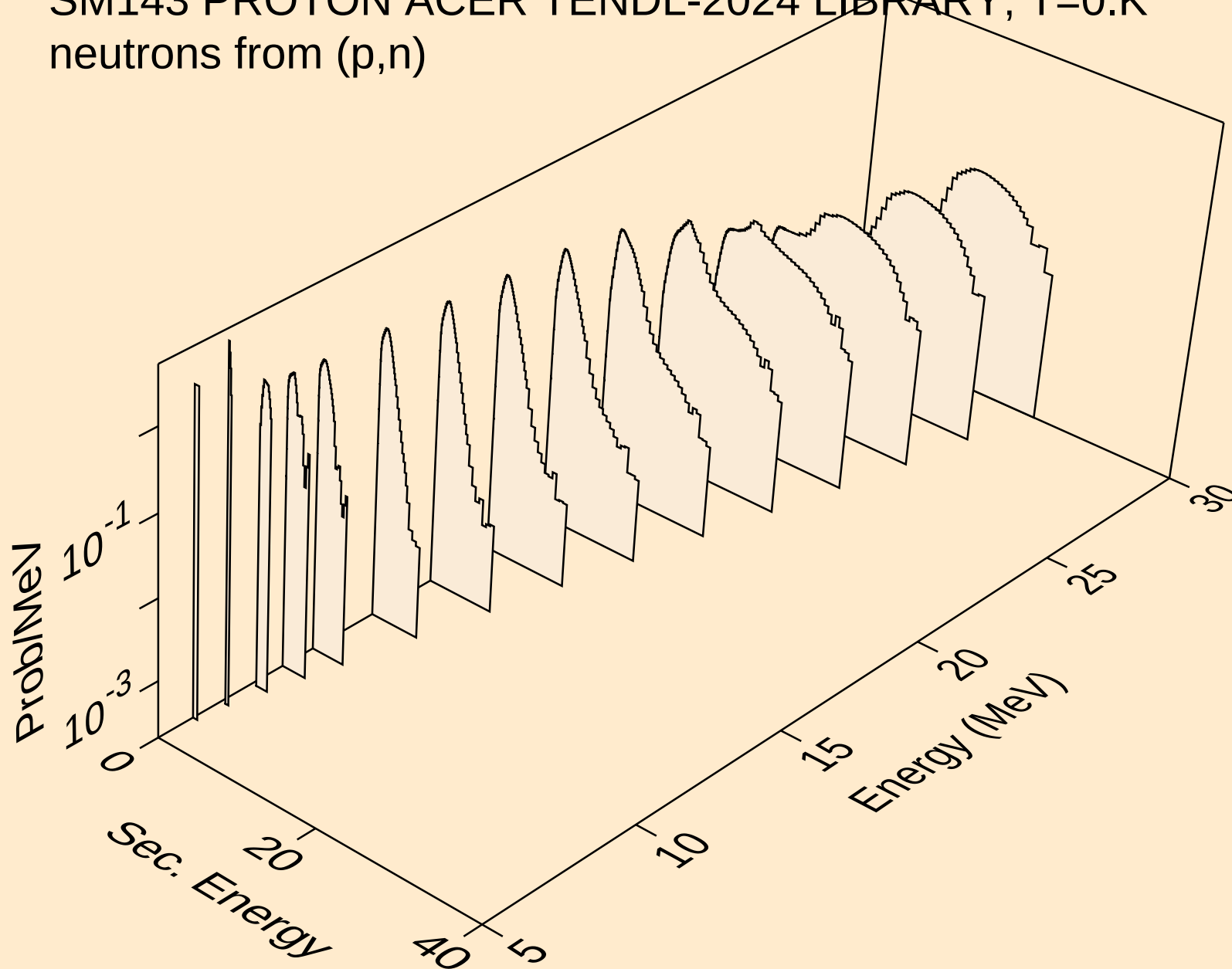


# SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K

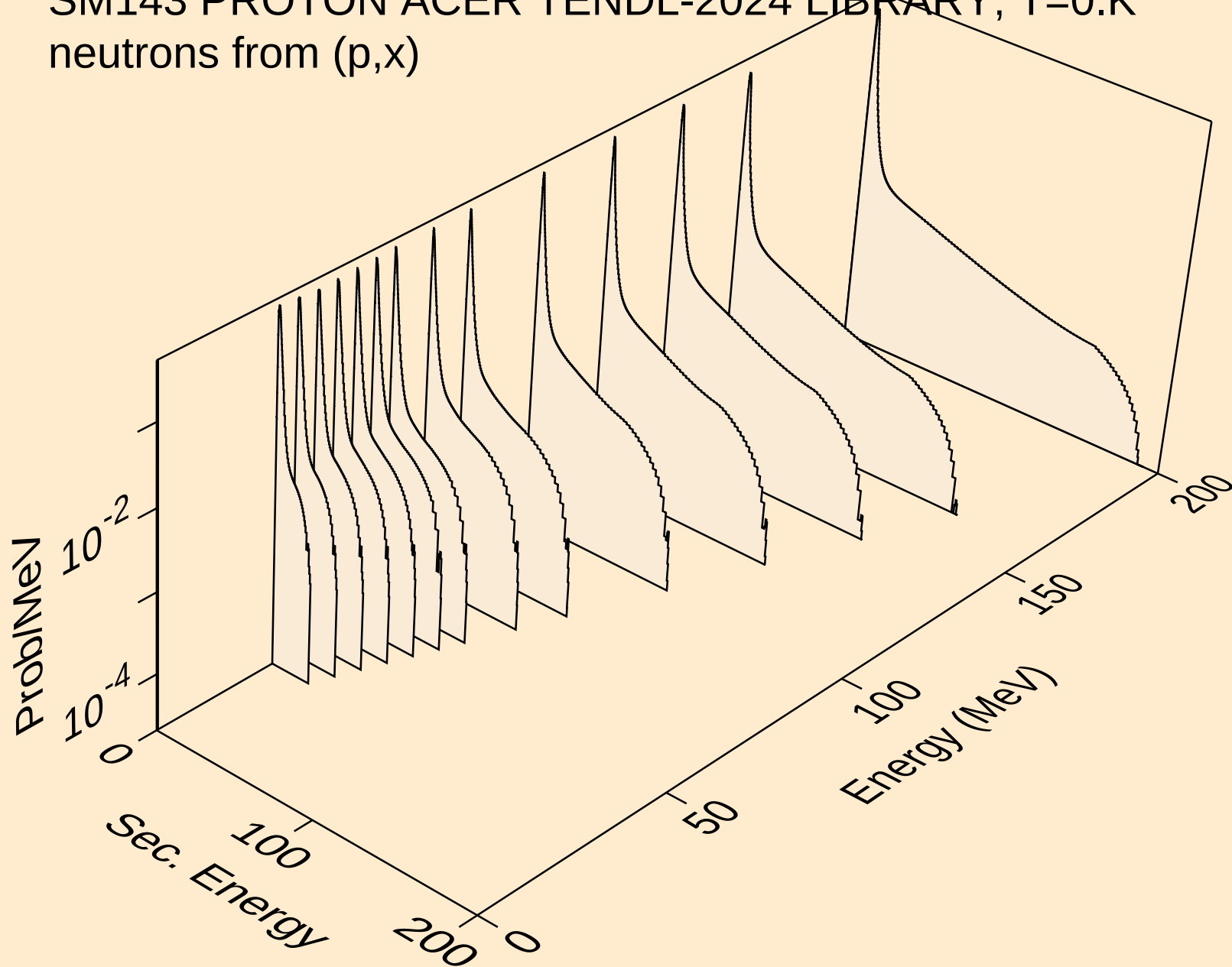
## Particle production cross sections



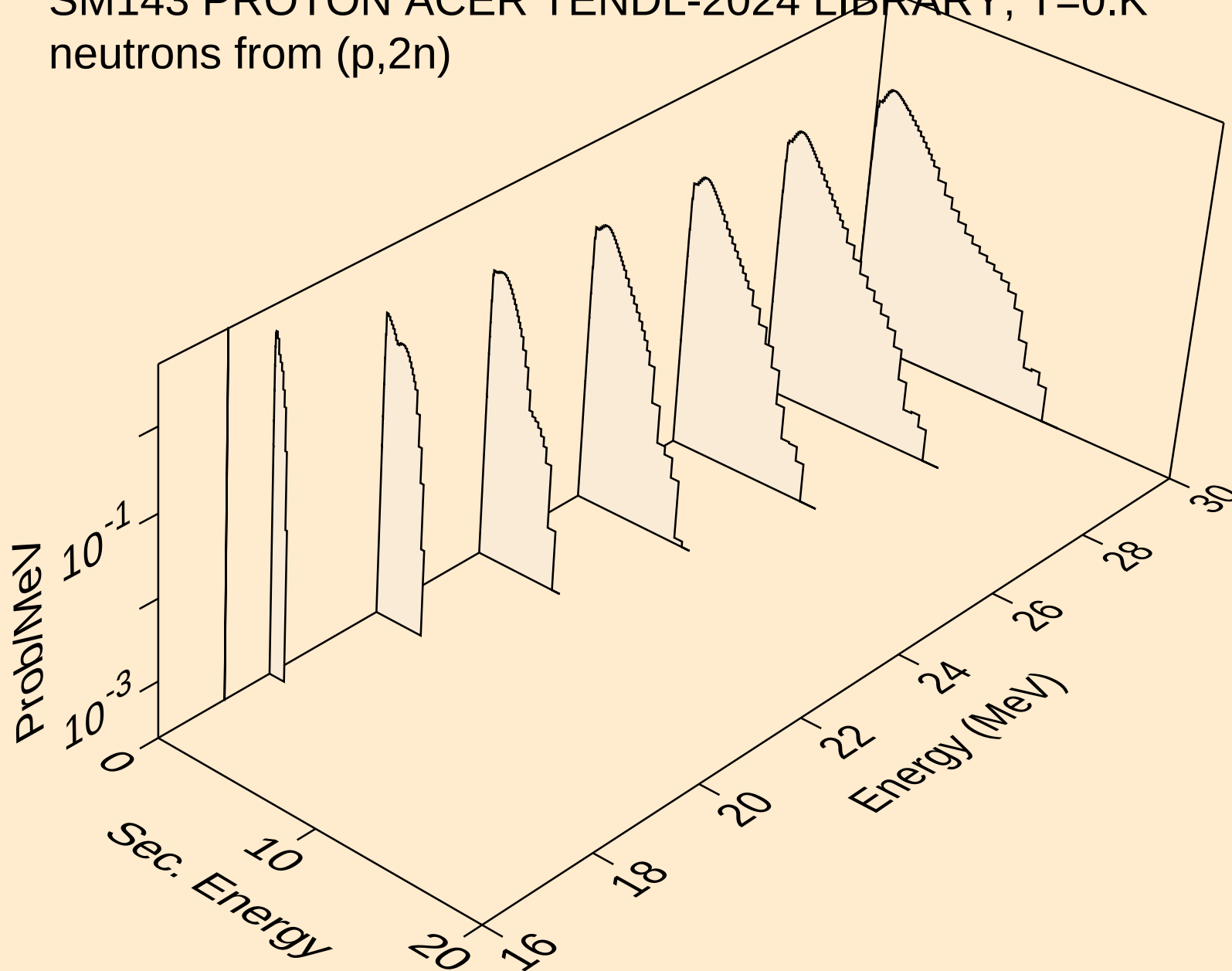
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n)



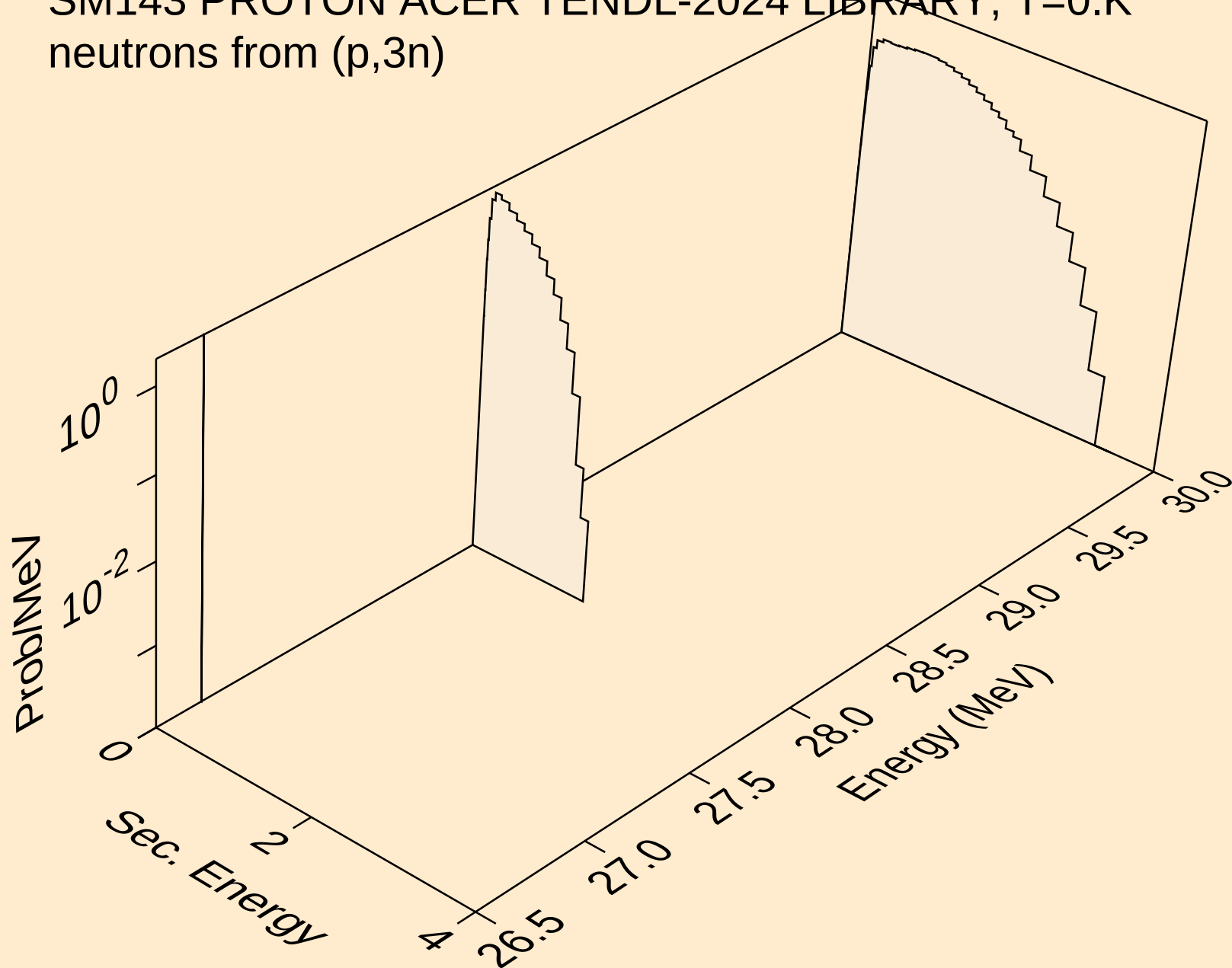
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,x)



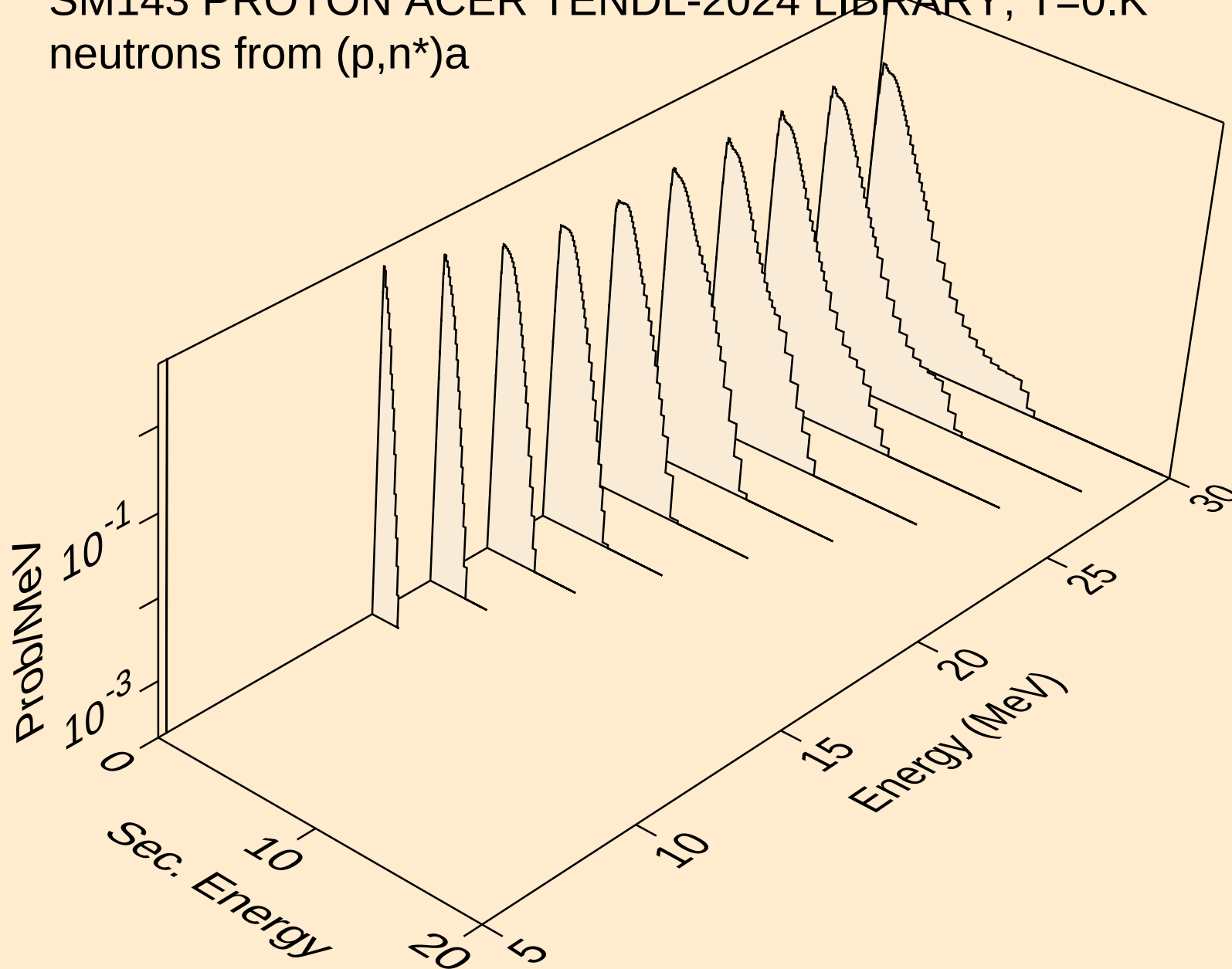
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,2n)



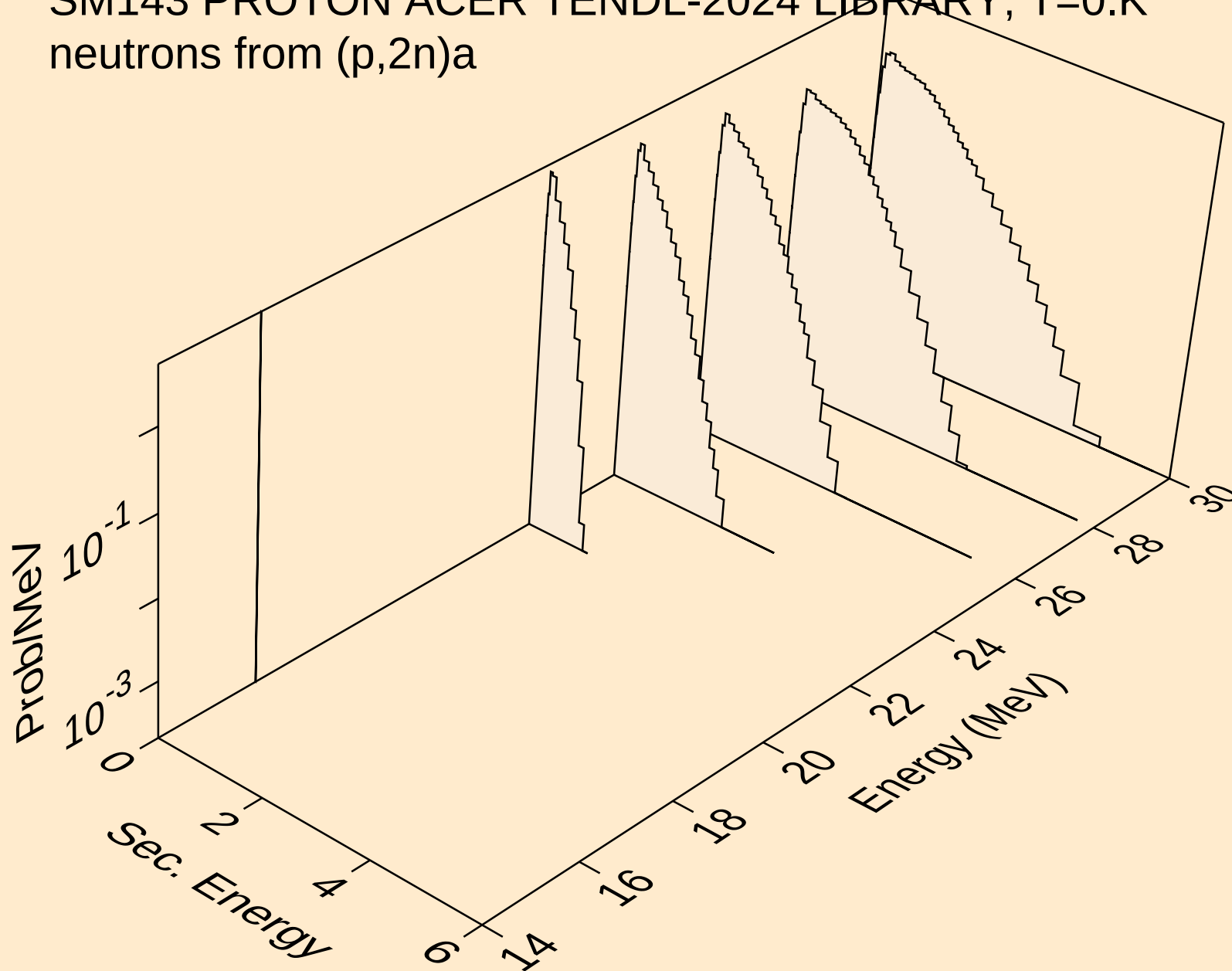
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,3n)



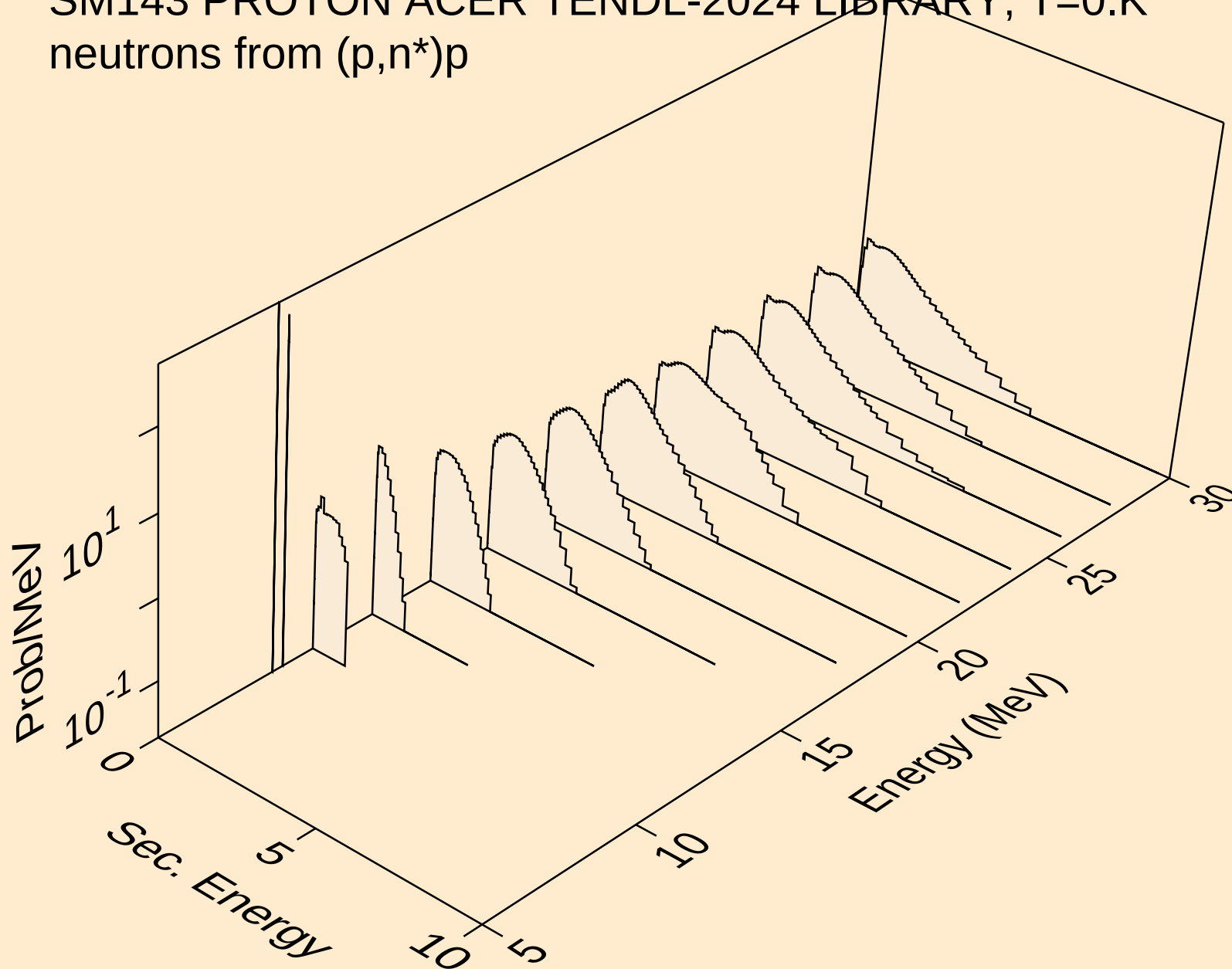
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)a



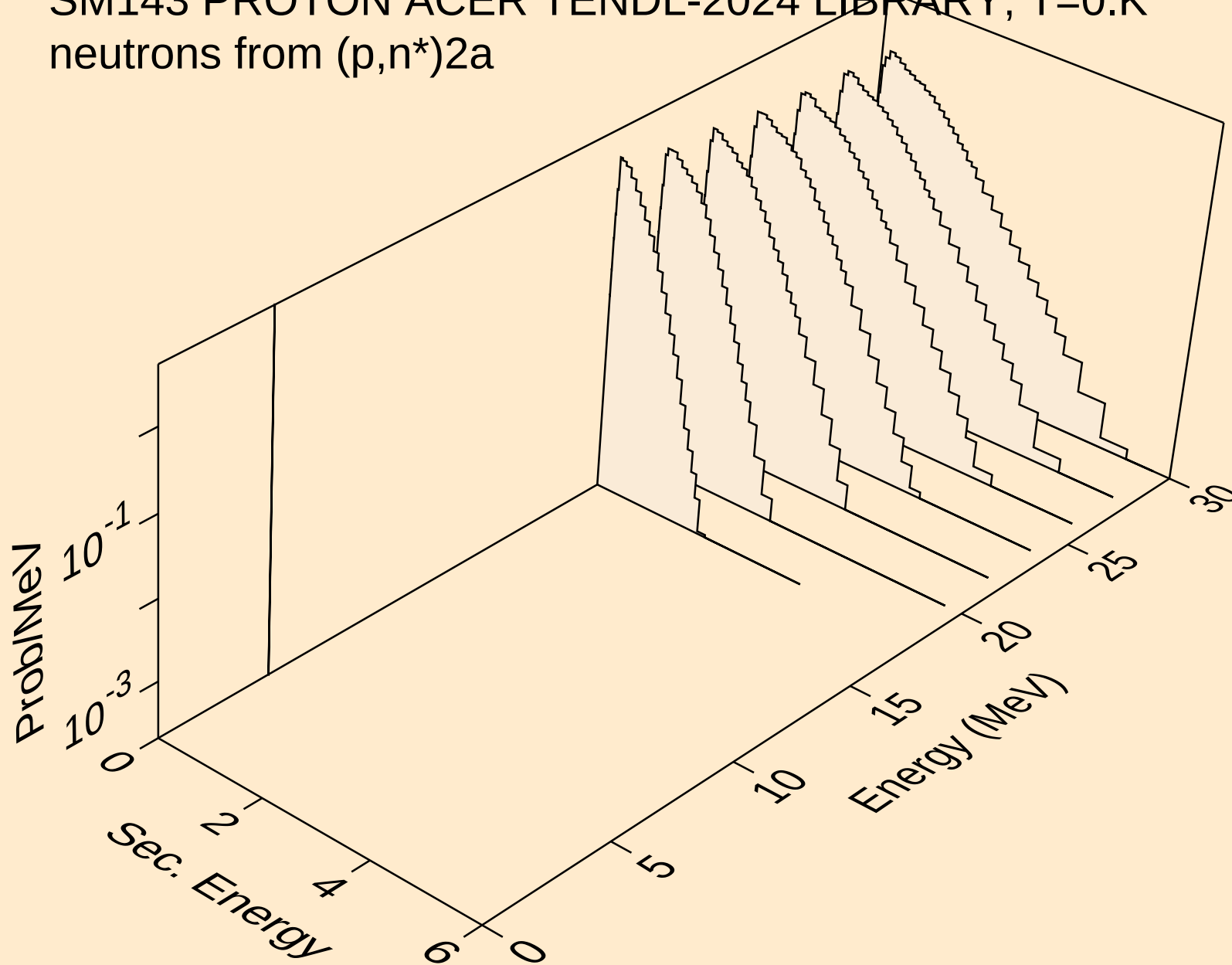
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,2n)a



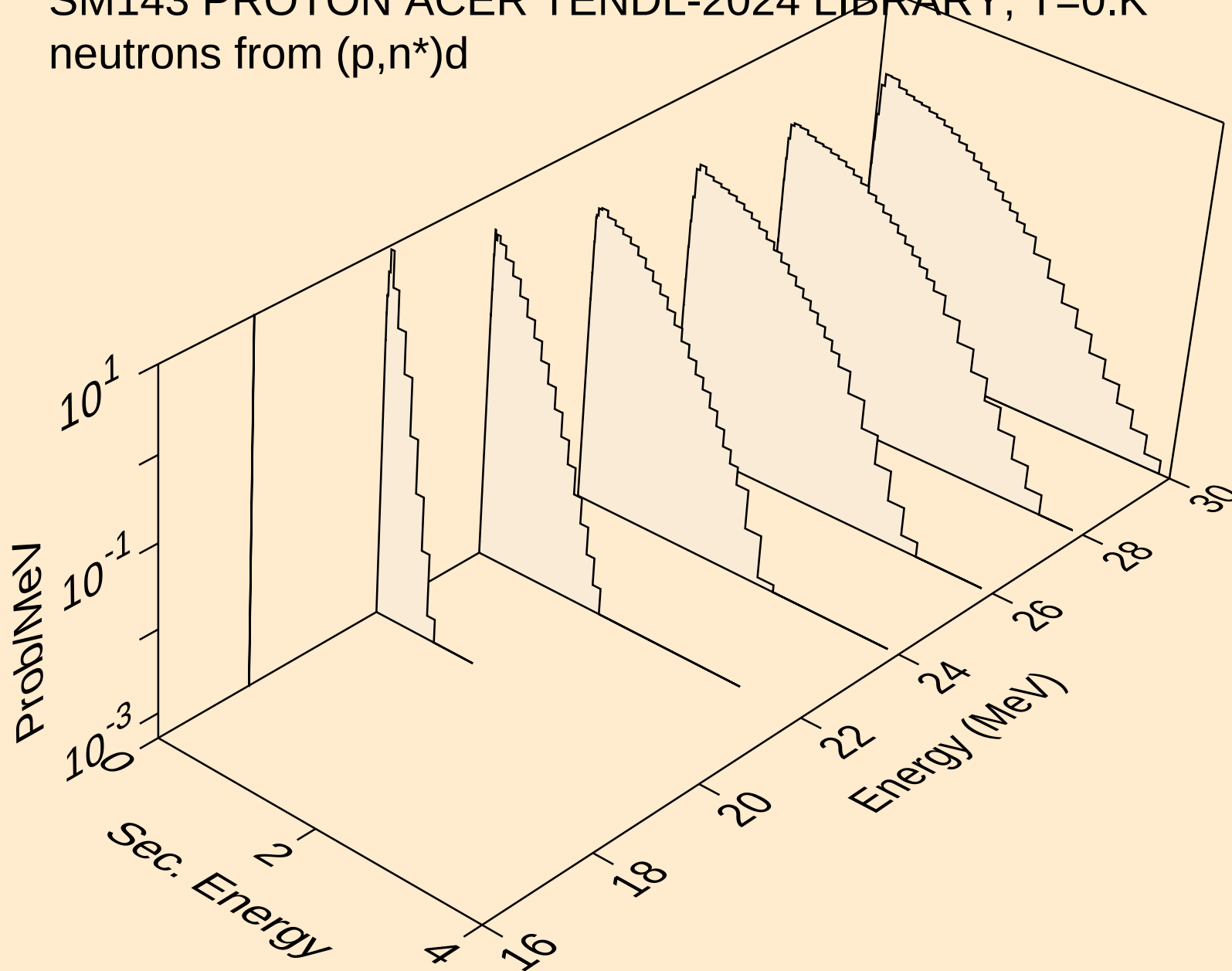
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)p



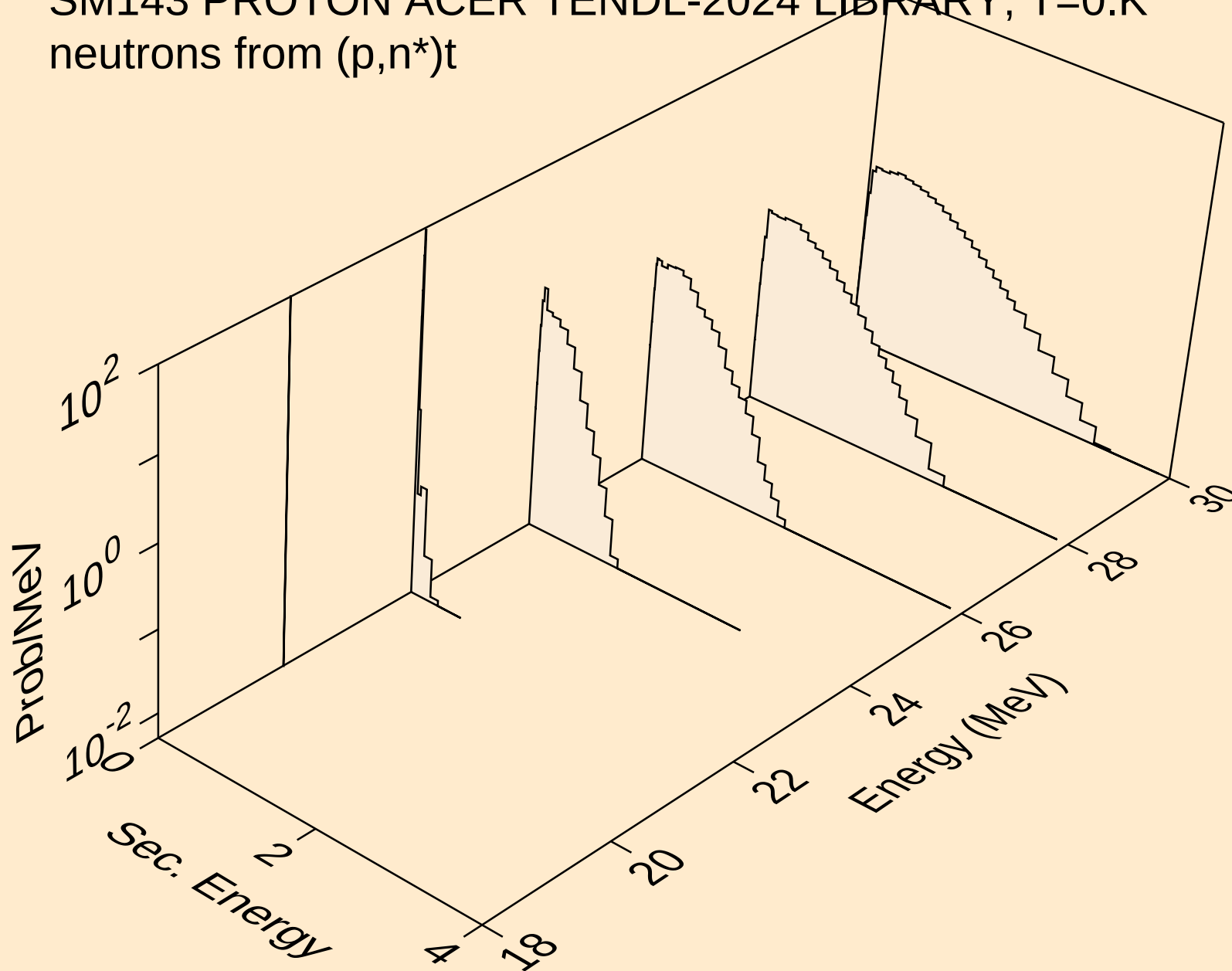
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)2a



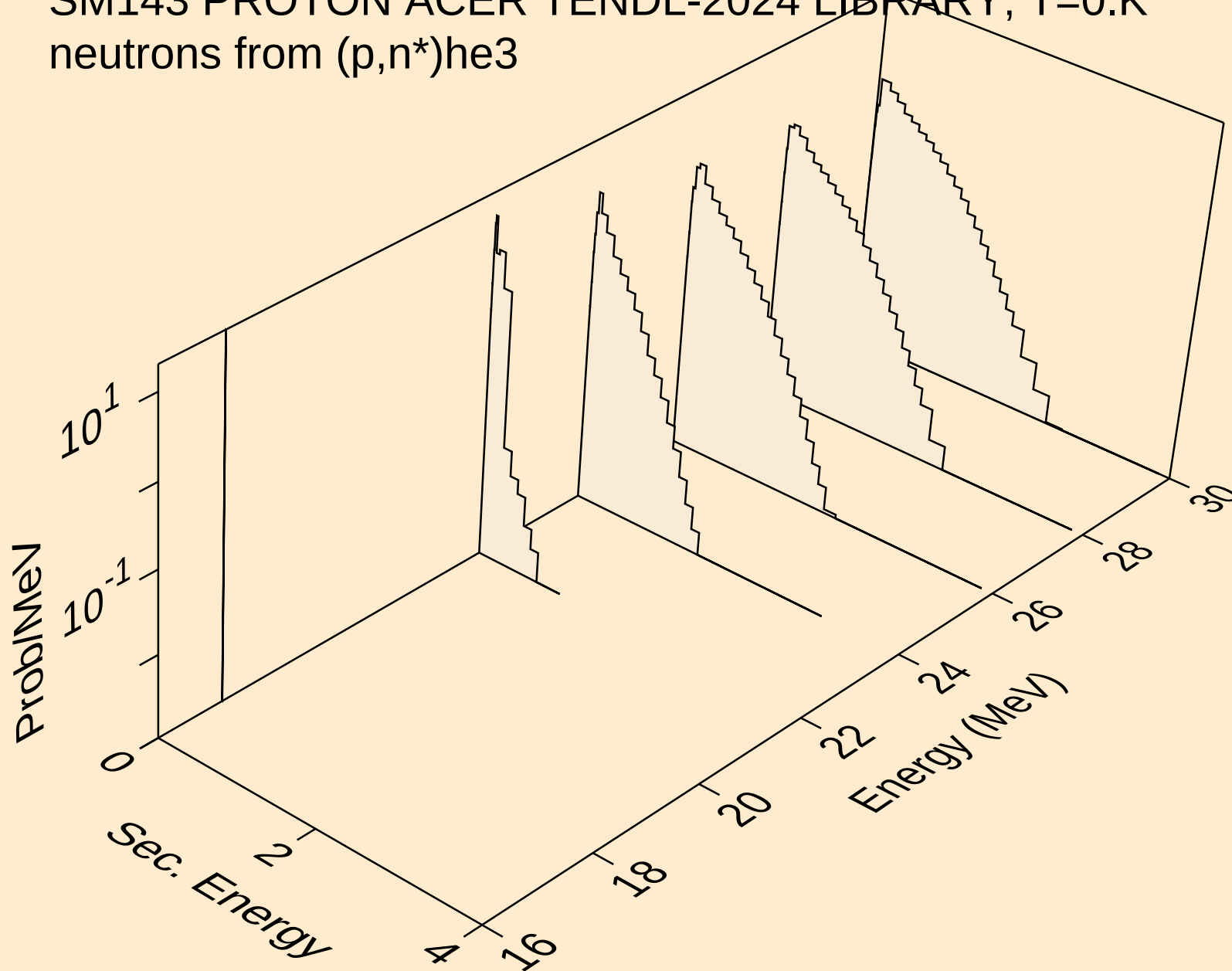
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)d



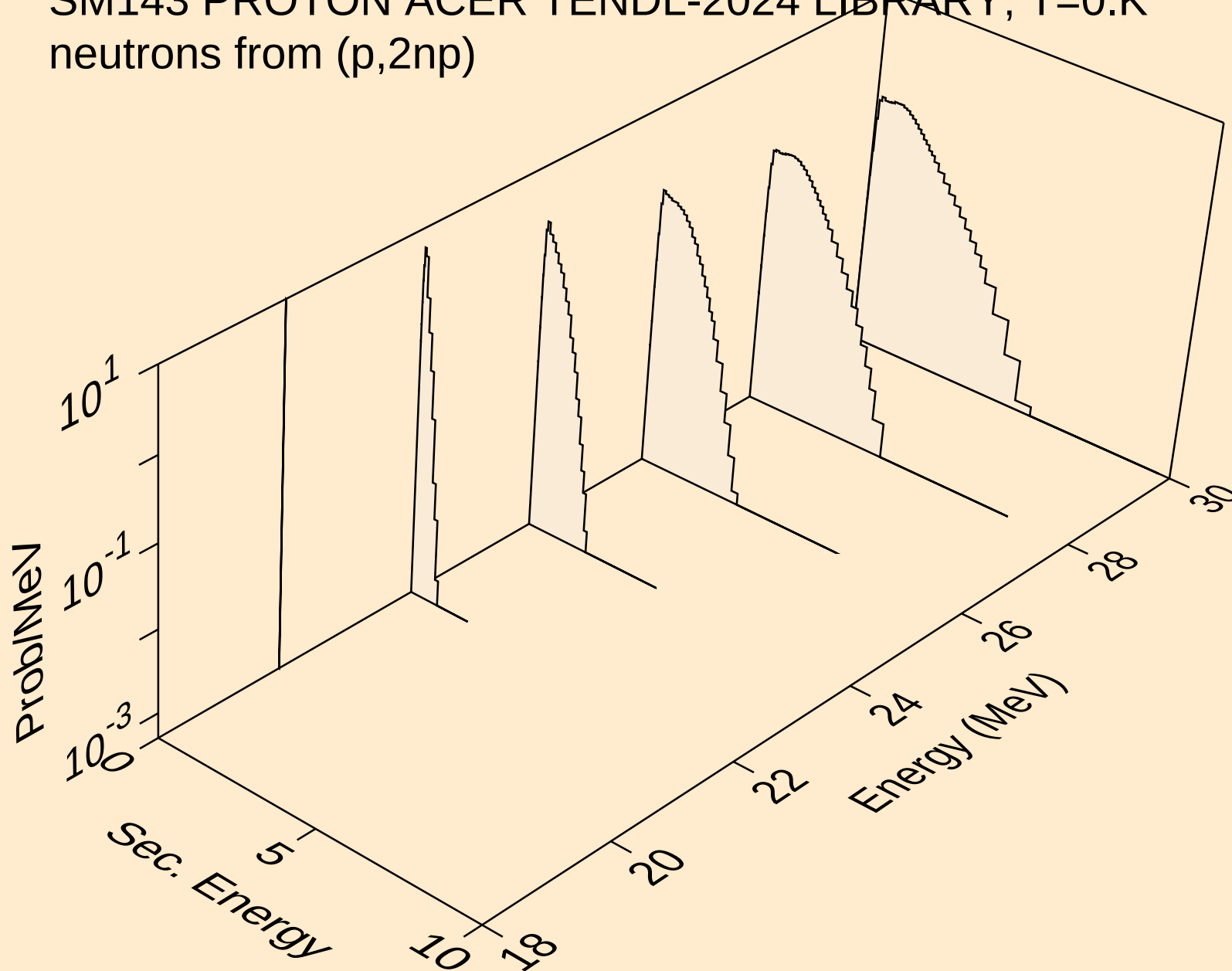
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)t



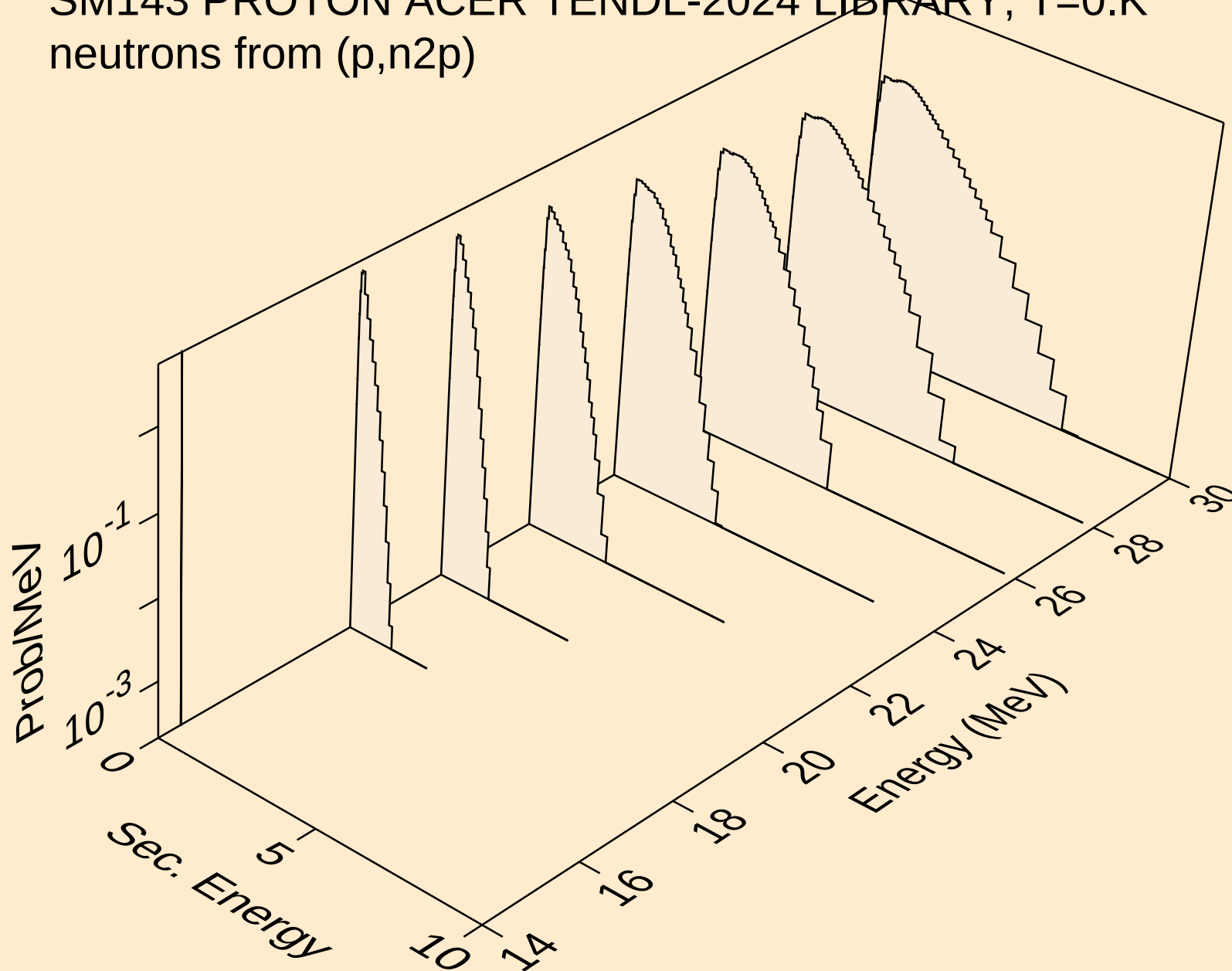
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



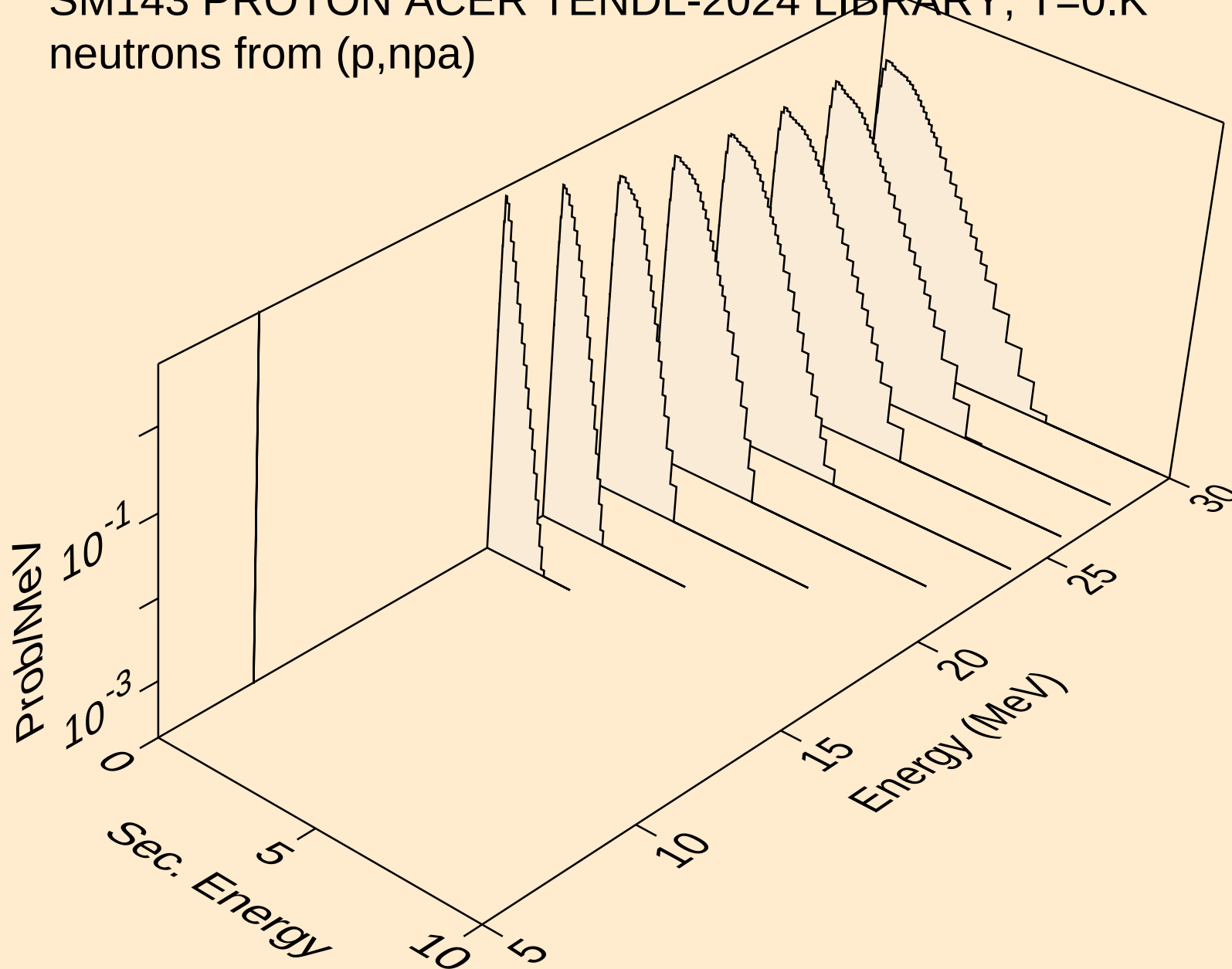
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neutrons from (p,2np)



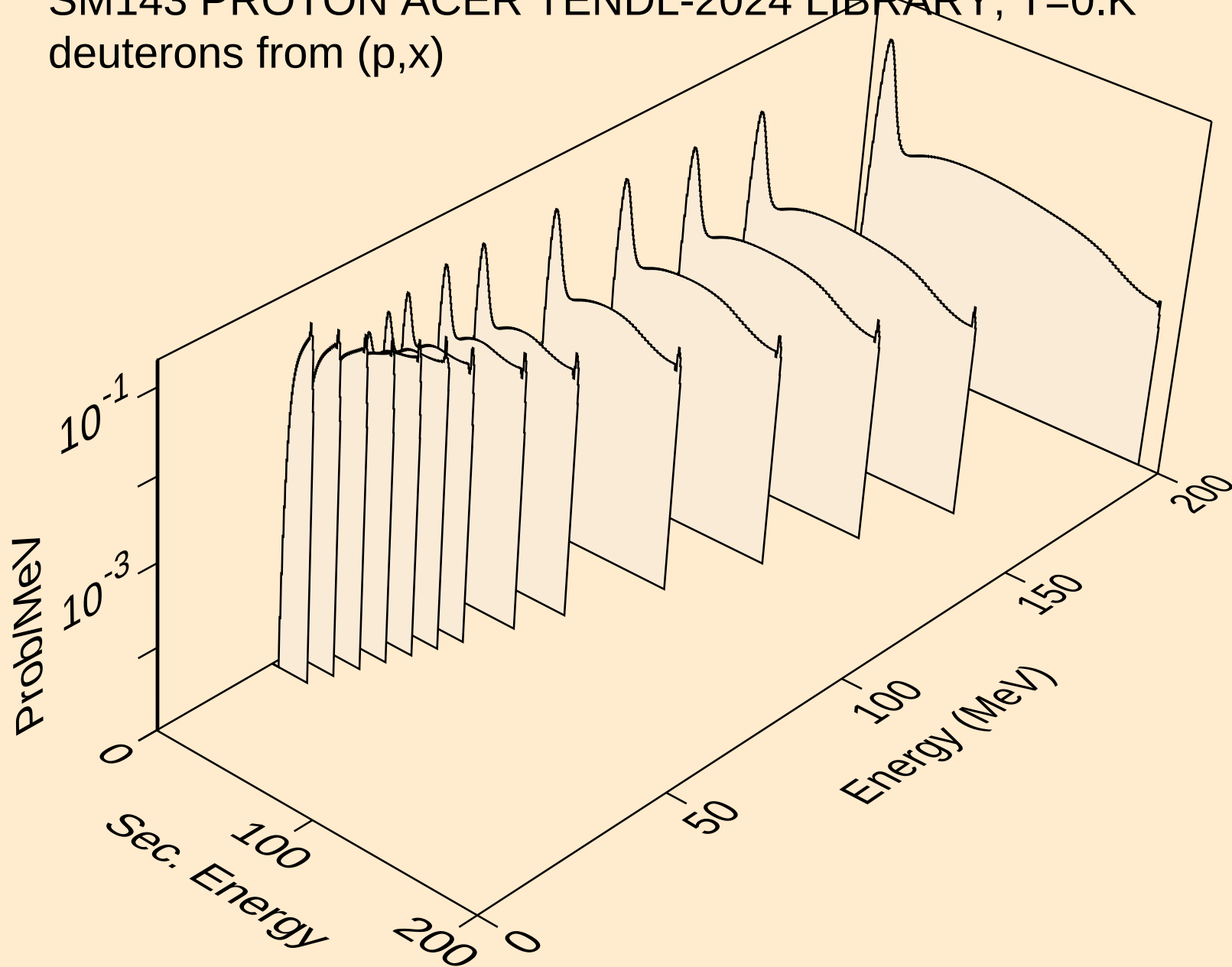
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neutrons from (p,n2p)



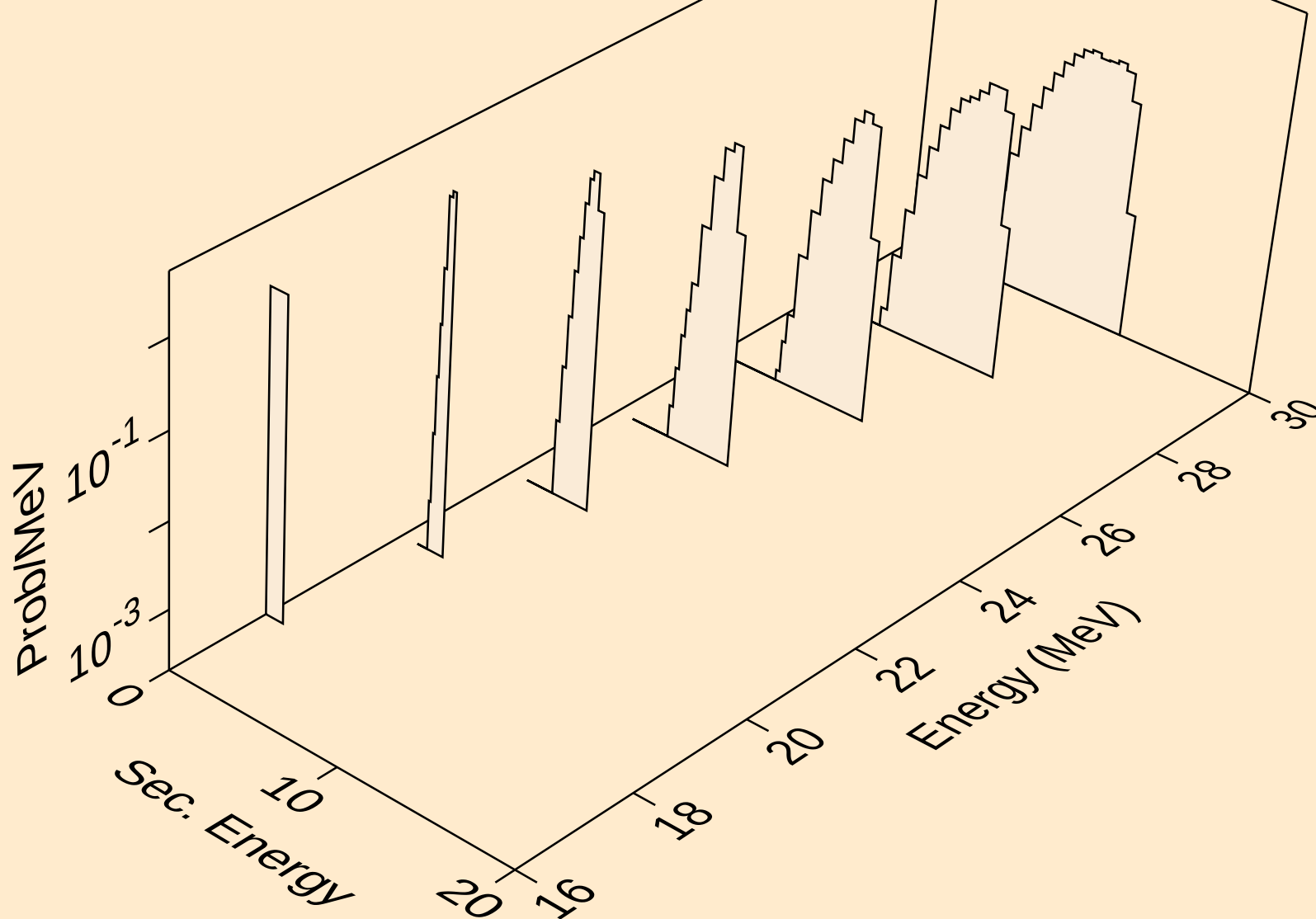
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neutrons from (p,npa)



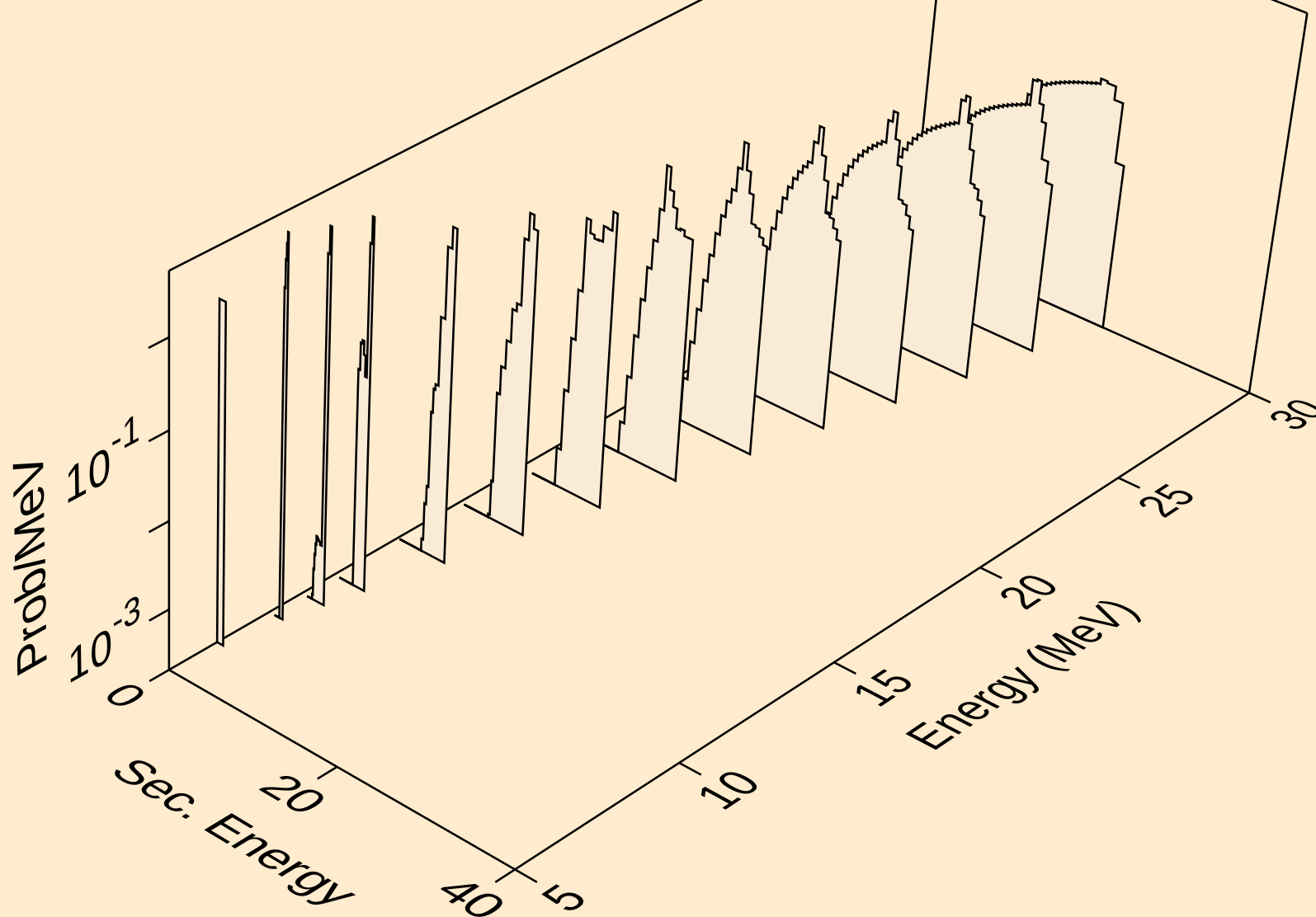
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deuterons from (p,x)



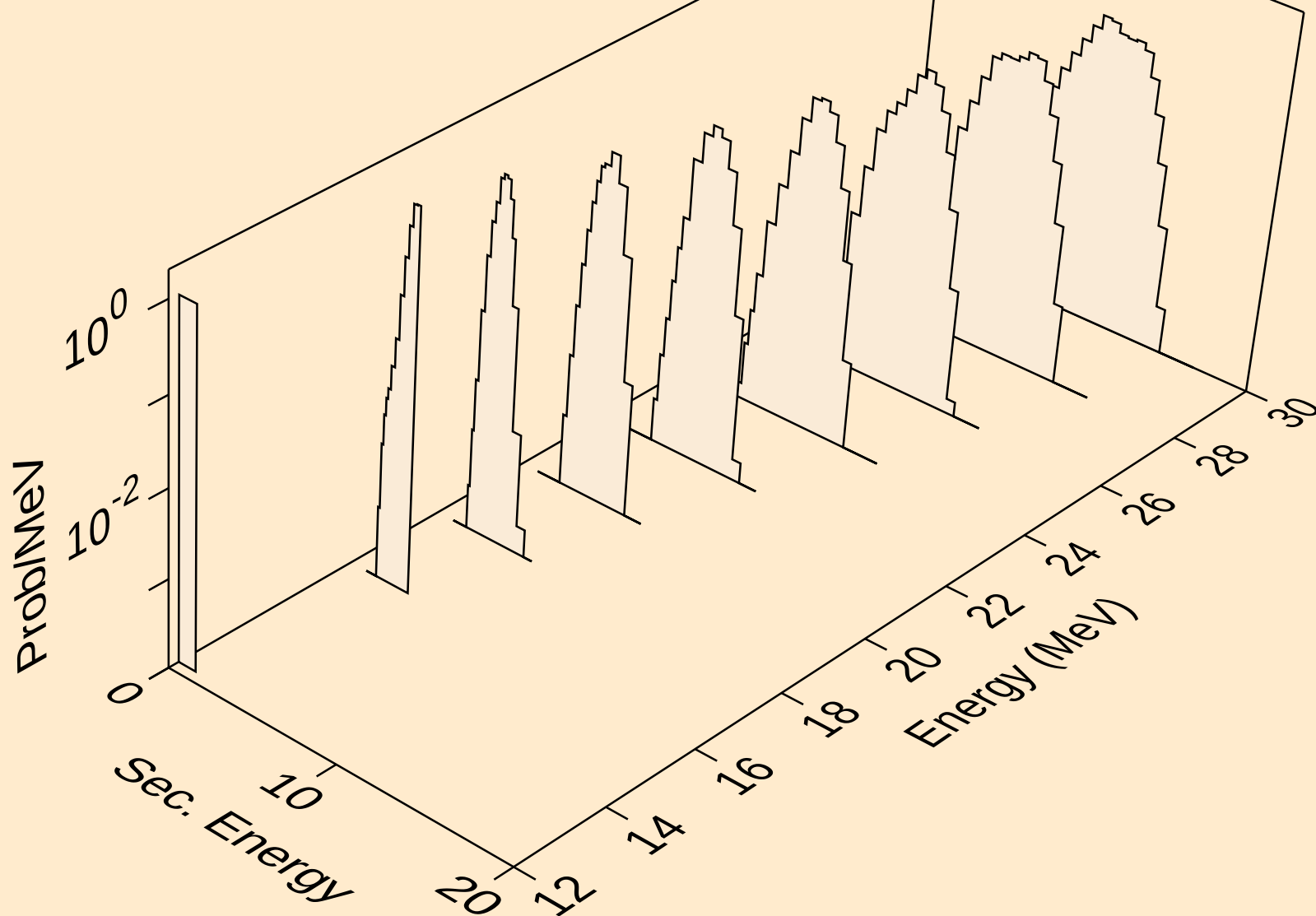
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deuterons from (p,n\*)d



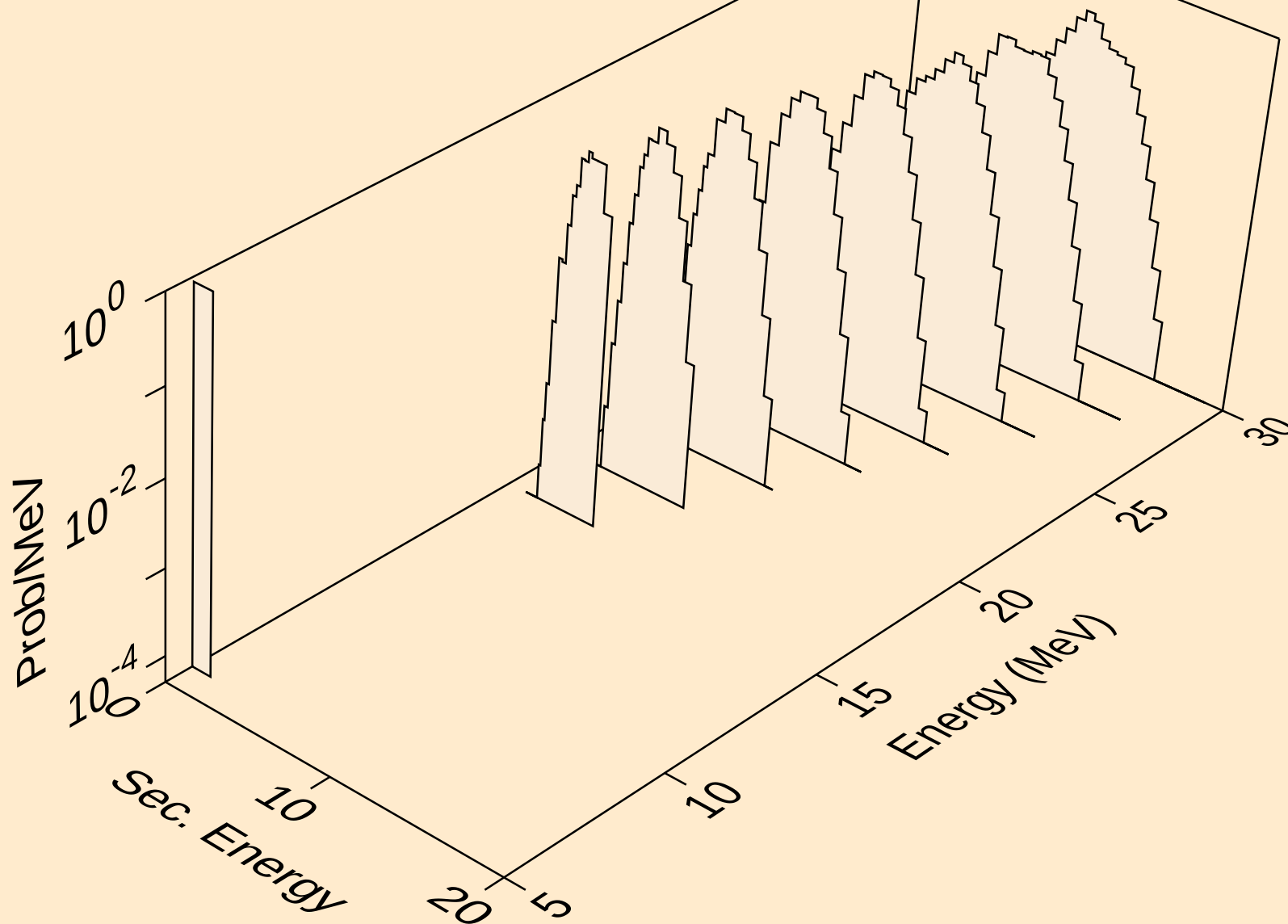
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (p,d)



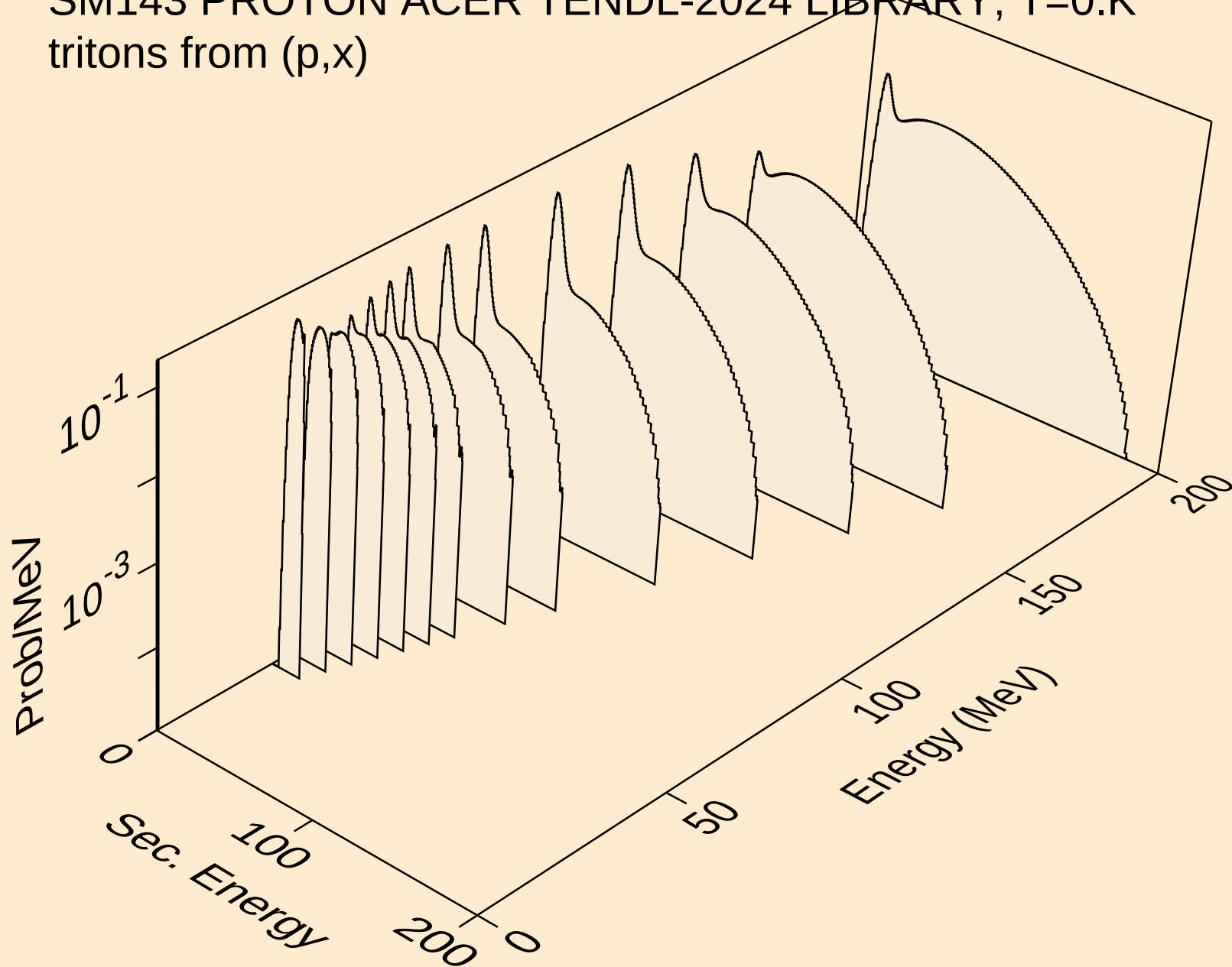
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deuterons from (p,pd)



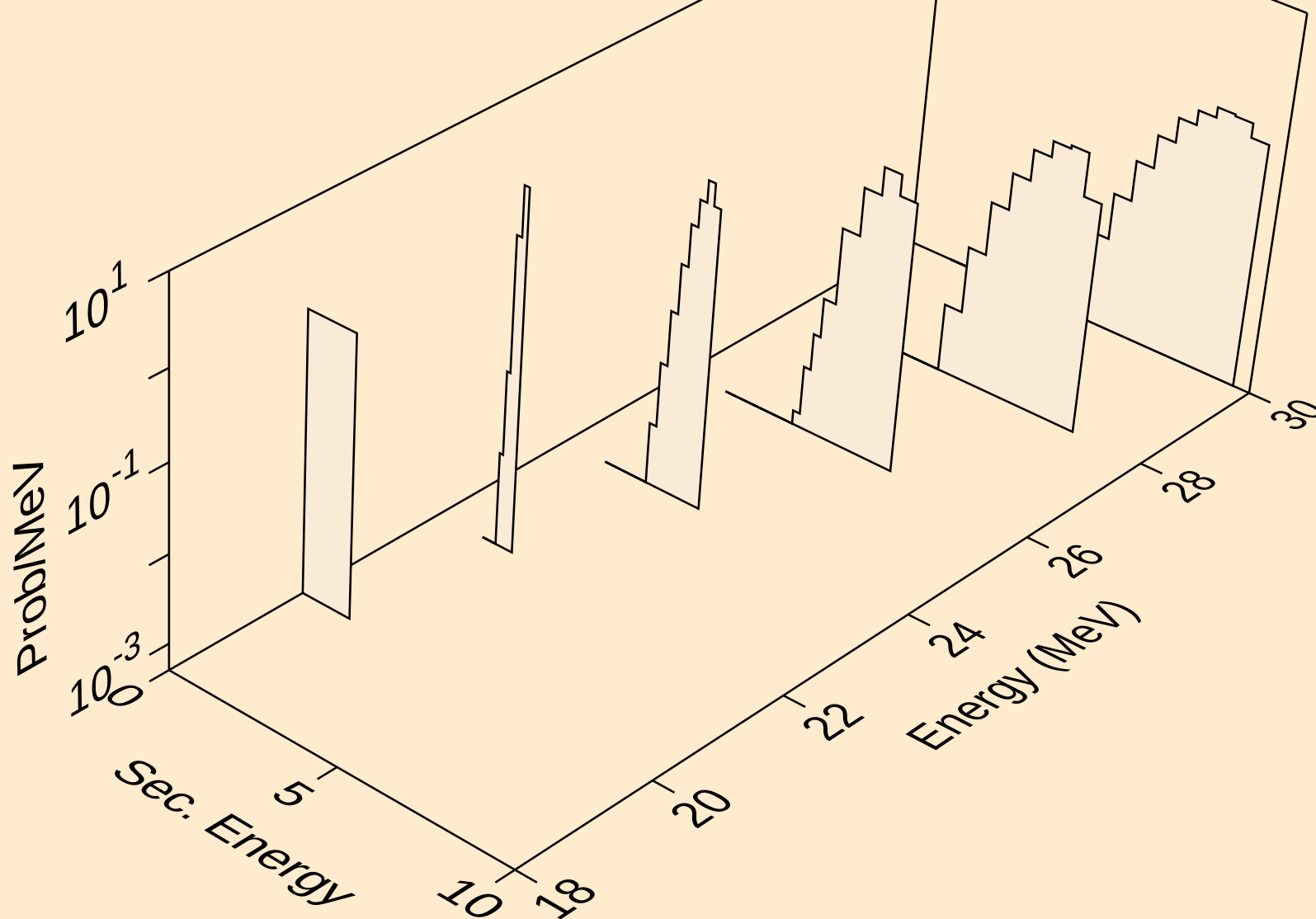
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (p,da)



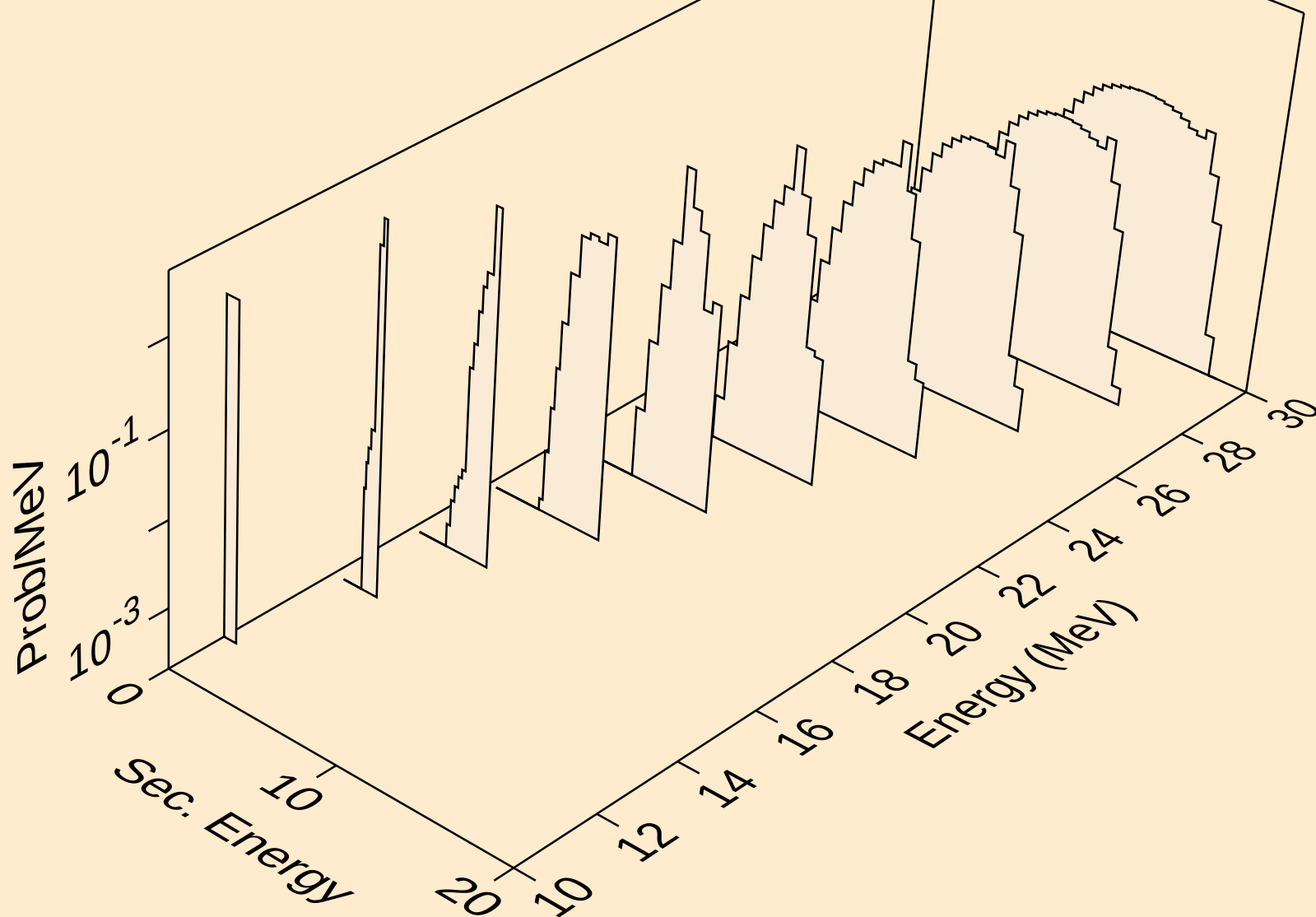
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (p,x)



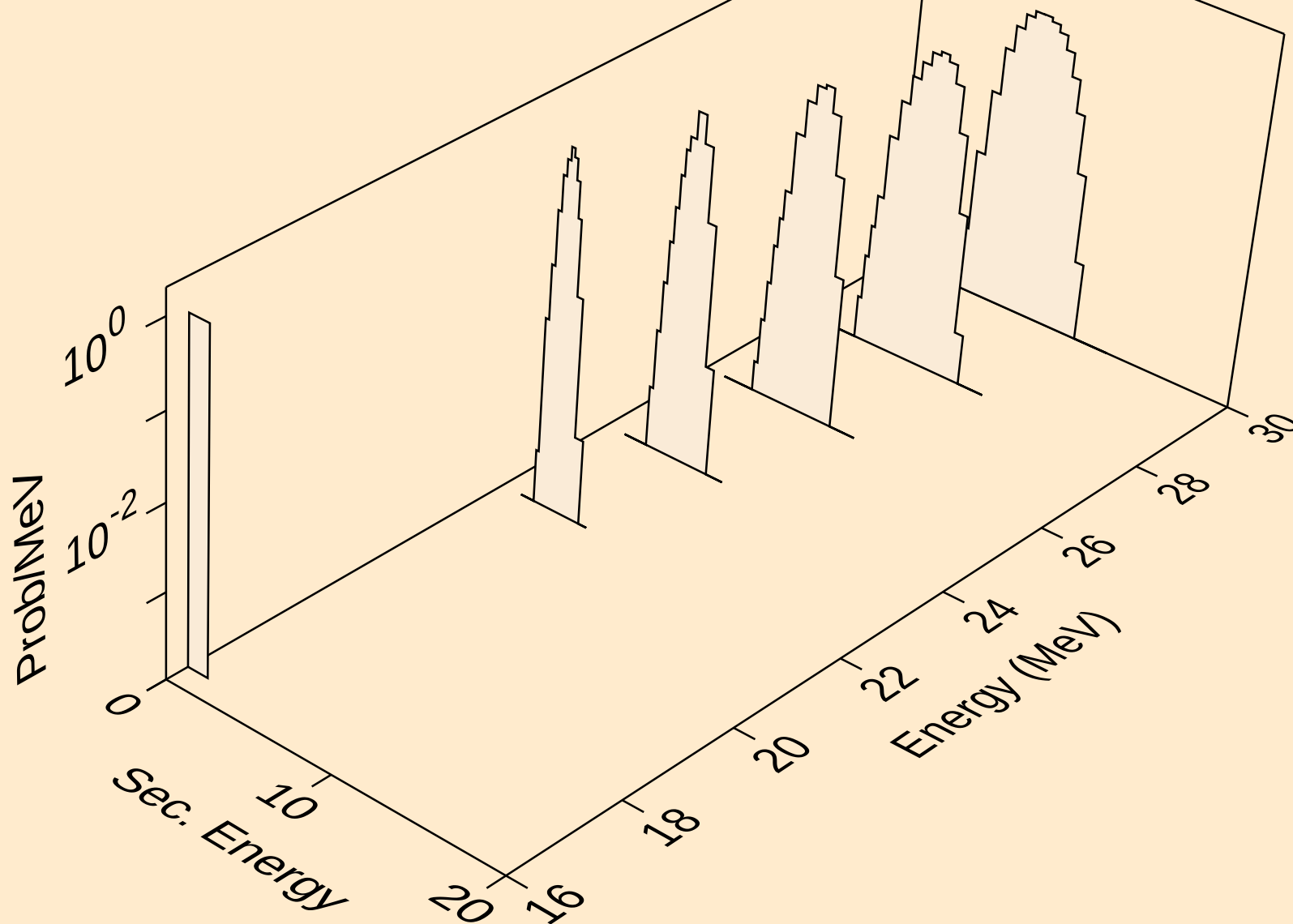
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (p,n\*)t



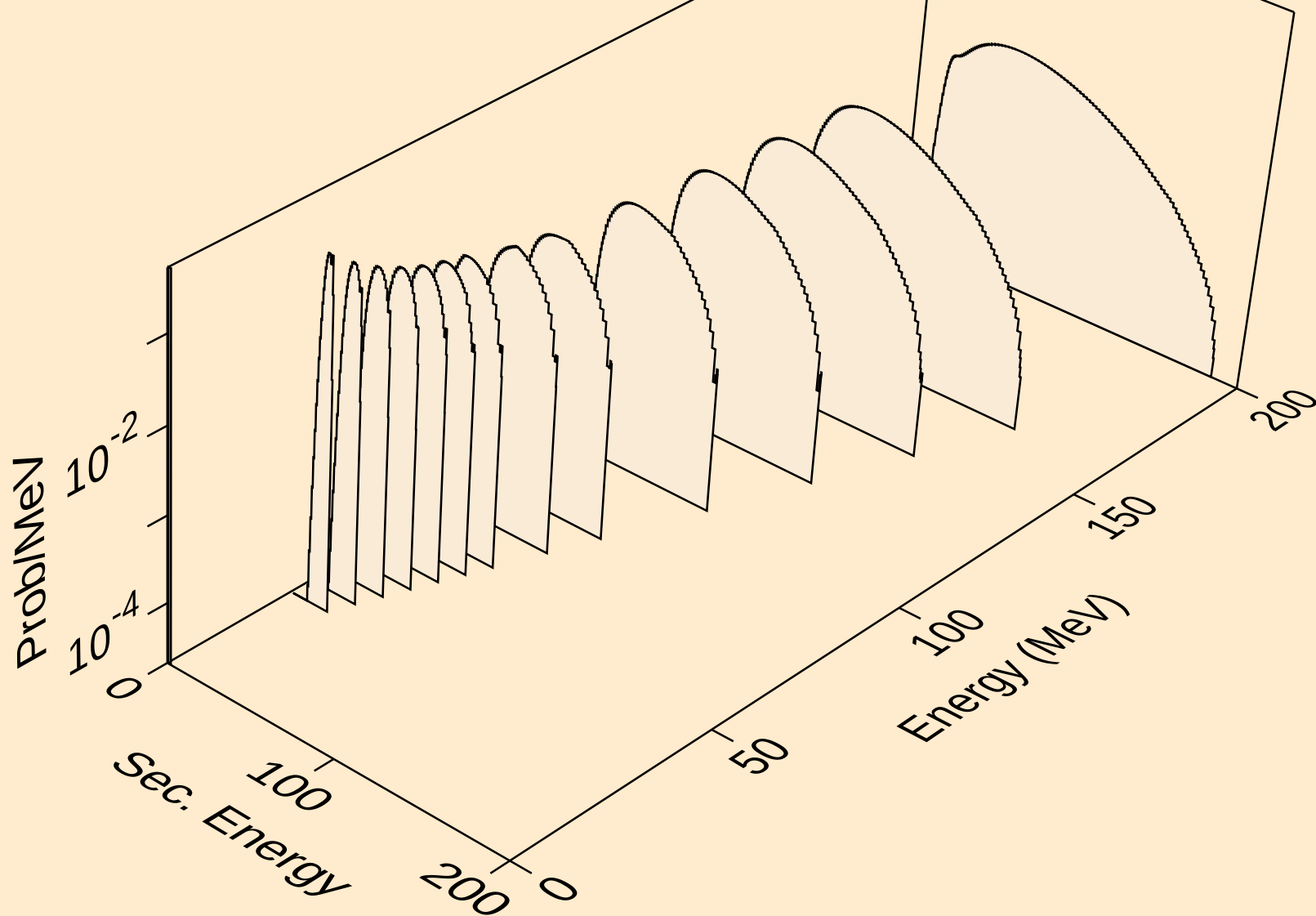
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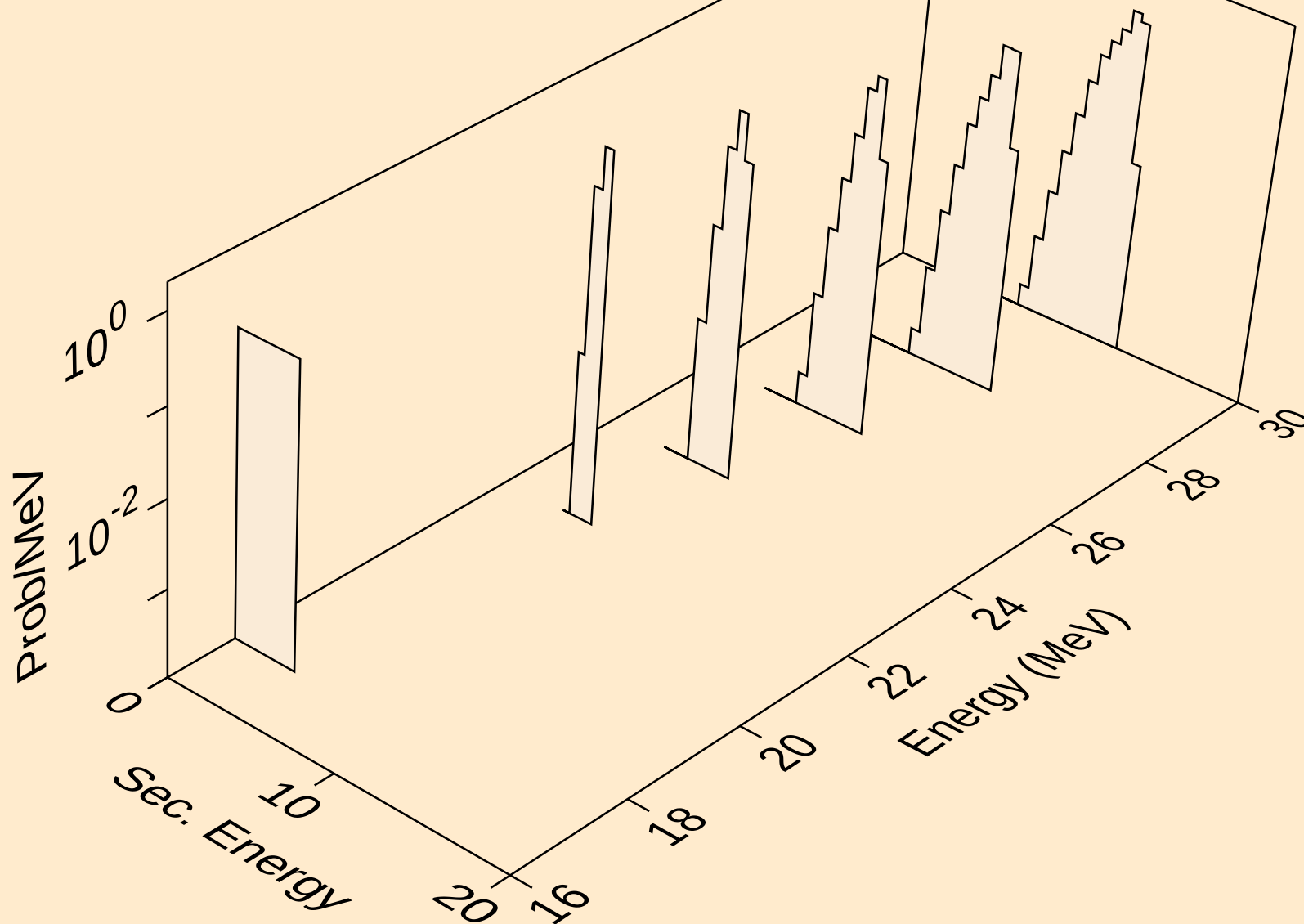
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tritons from (p,pt)



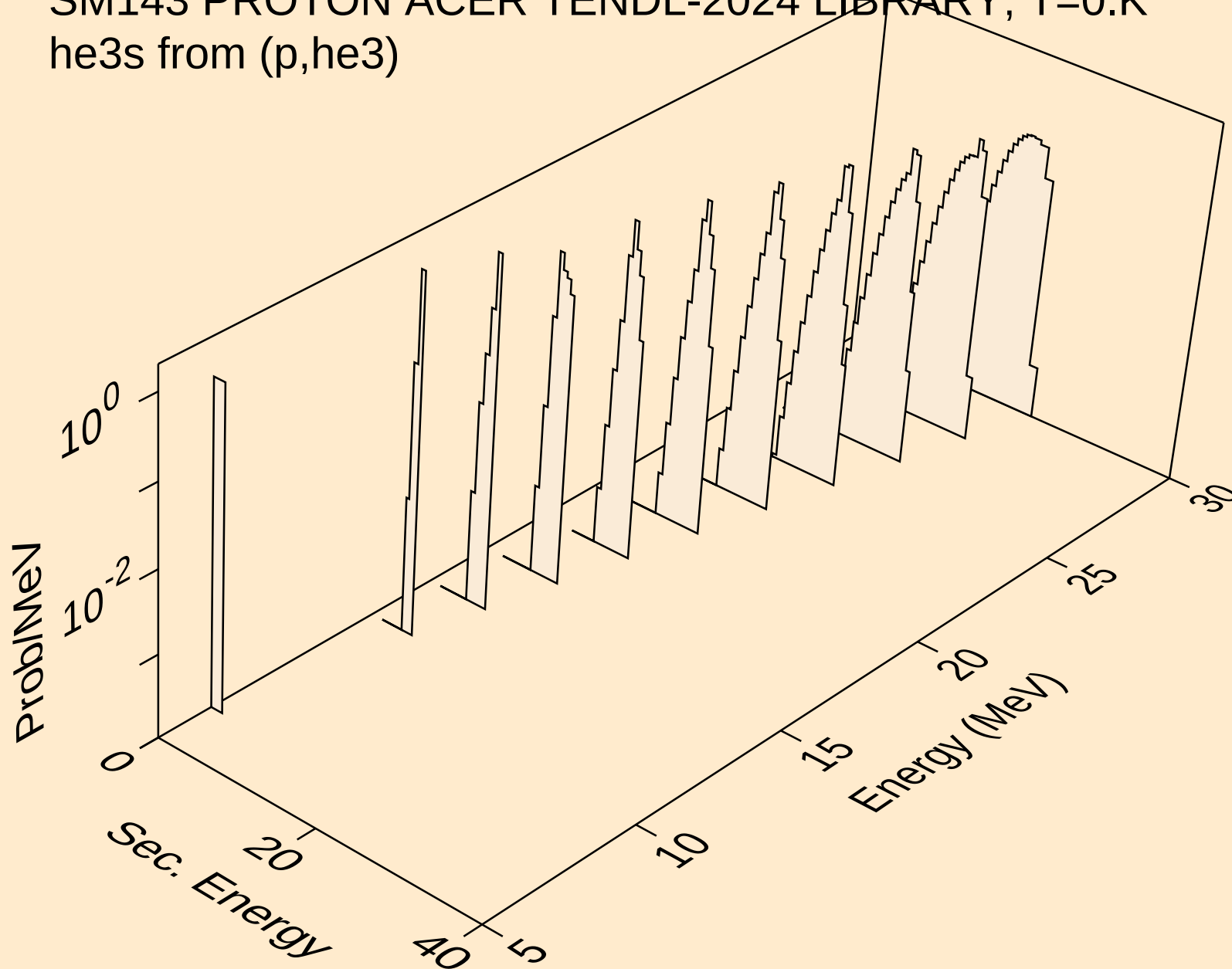
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (p,x)



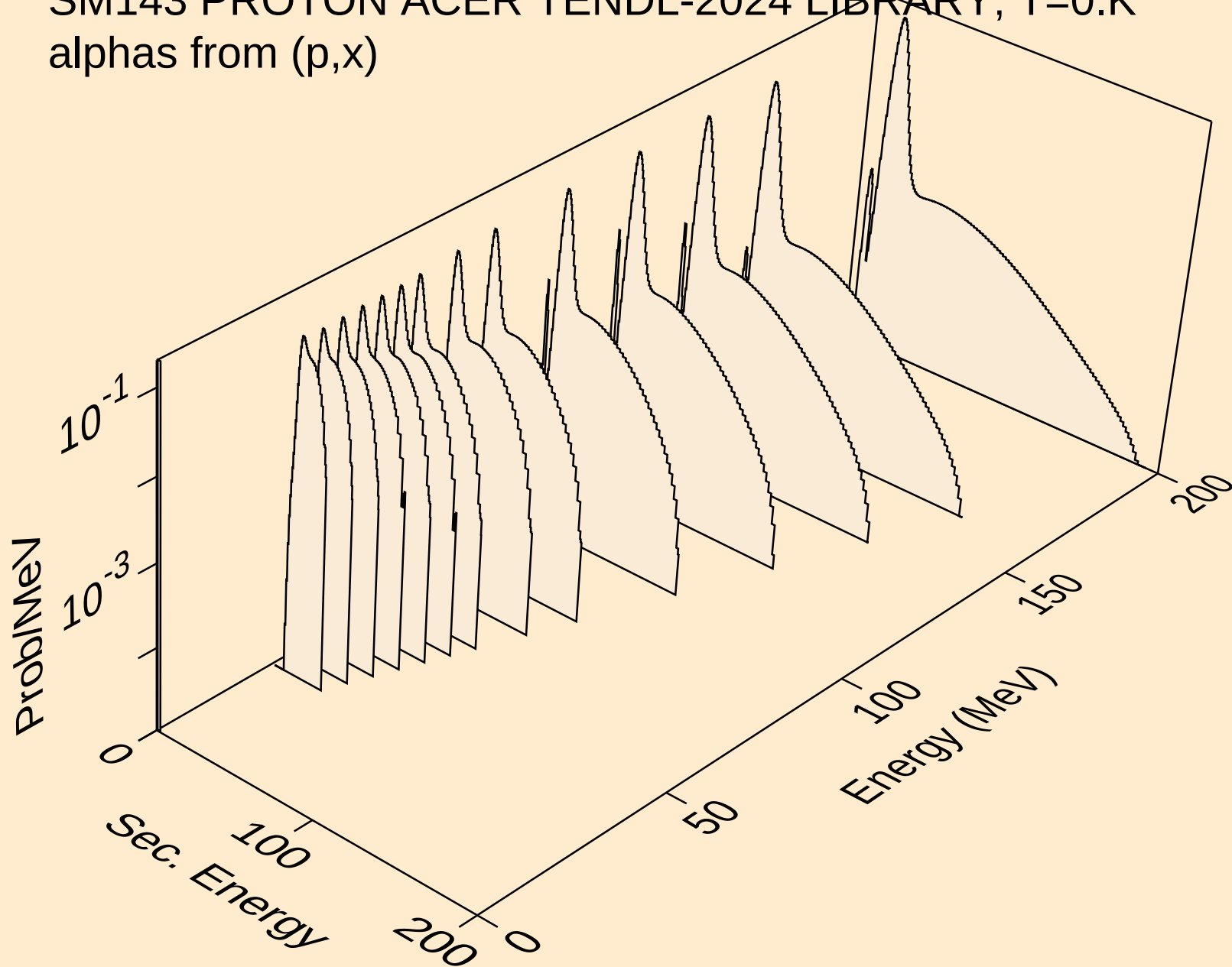
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he3s from (p,n\*)he3



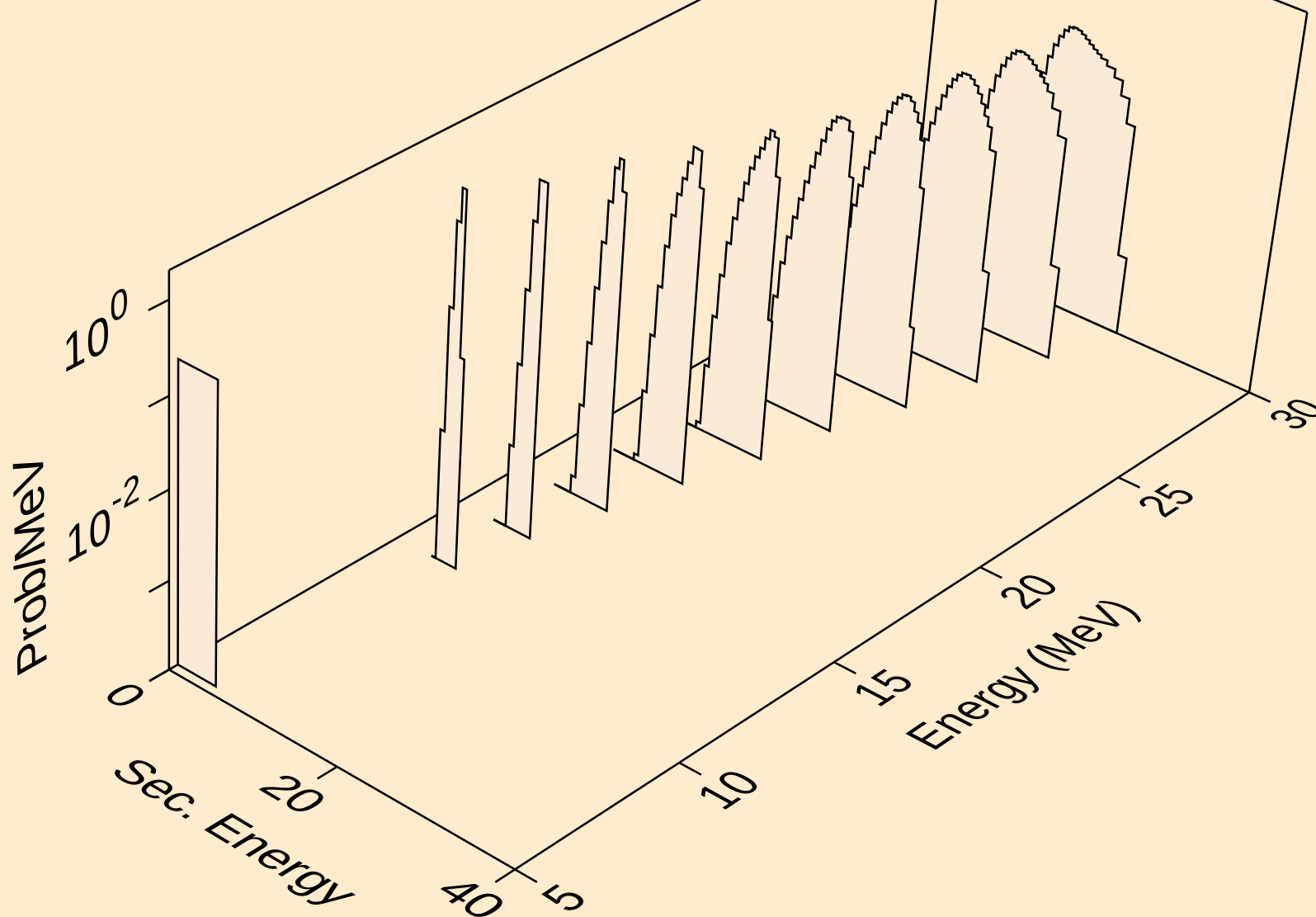
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he3s from (p,he3)



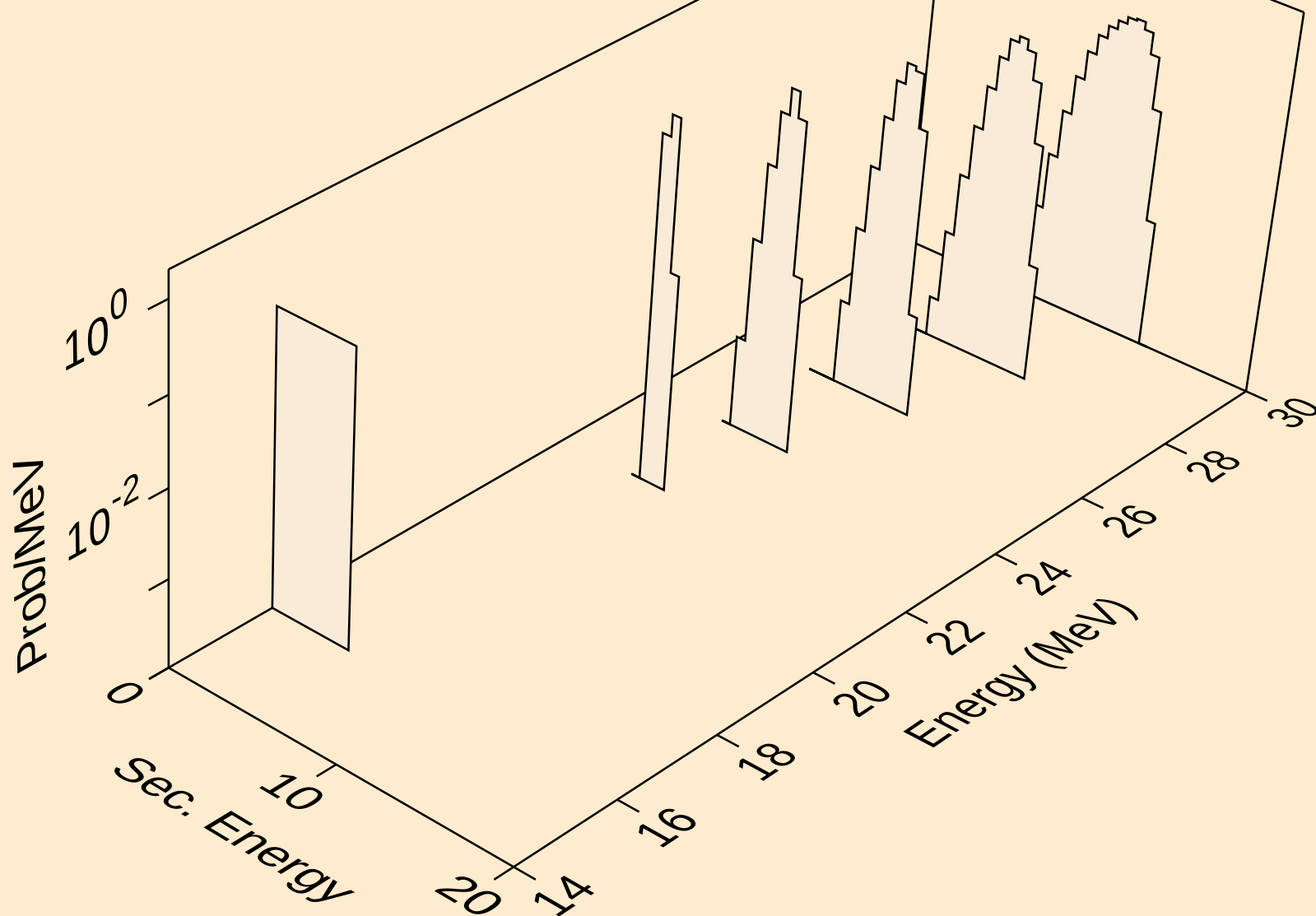
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,x)



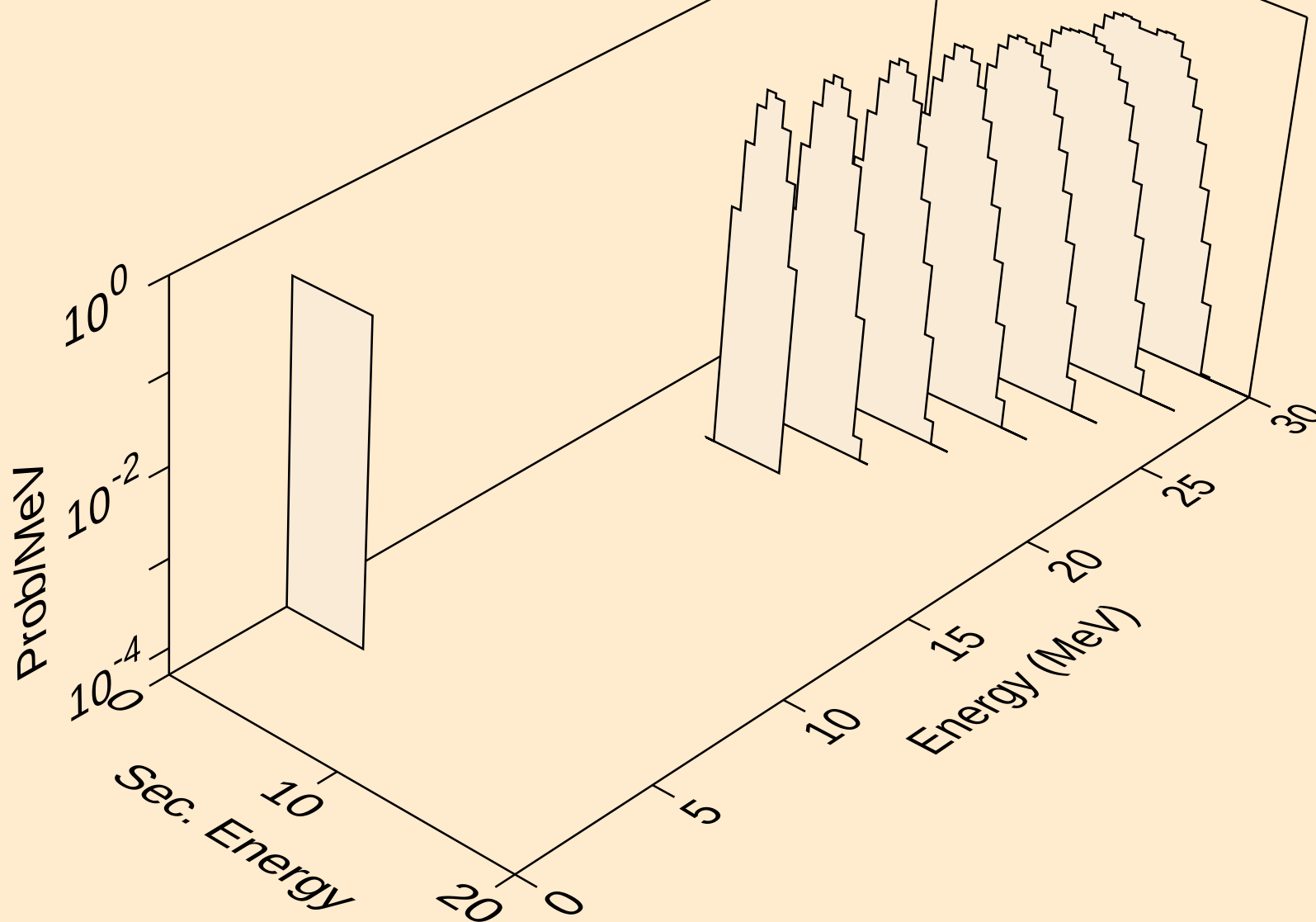
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,n\*)a



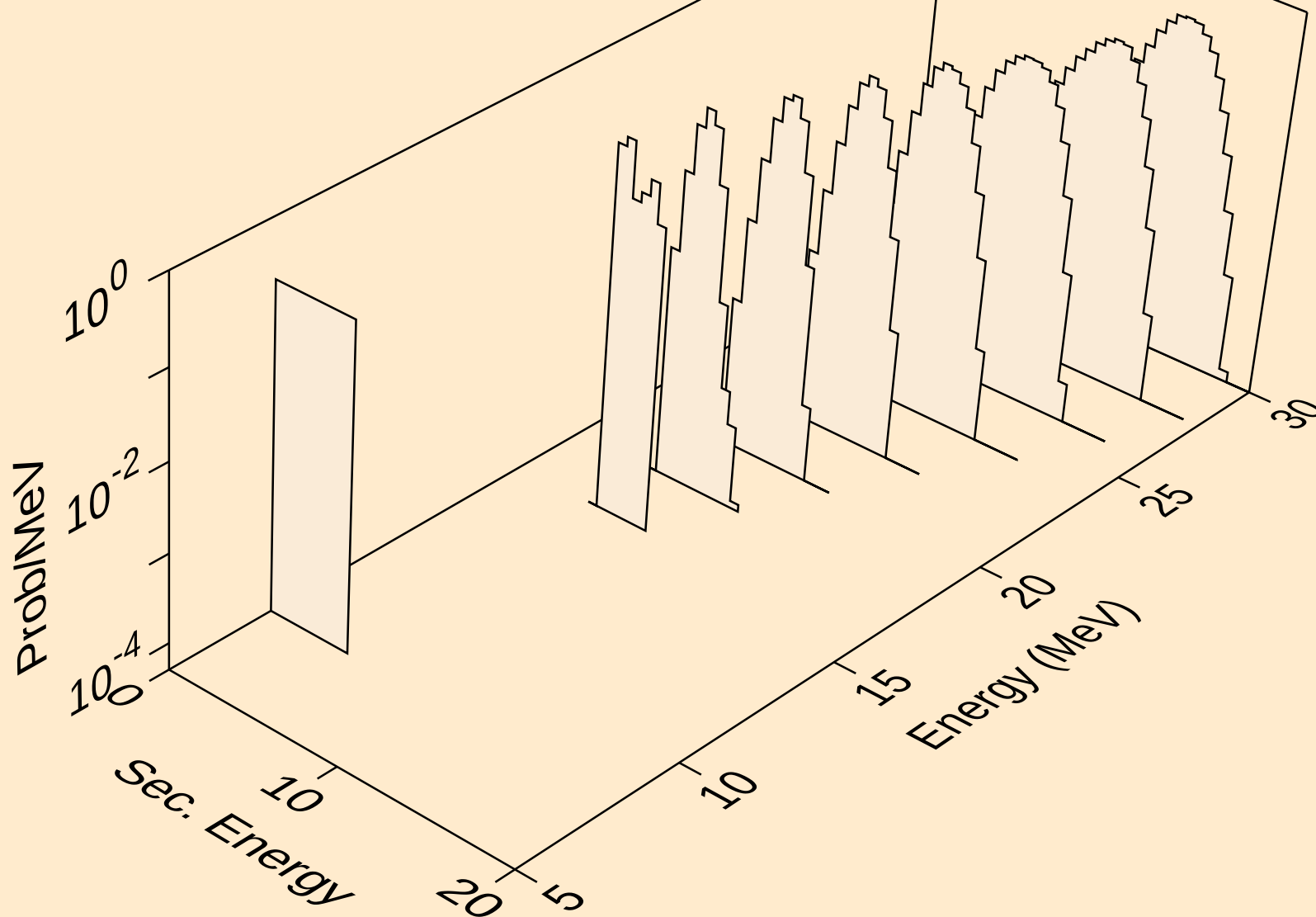
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alphas from (p,2n)a



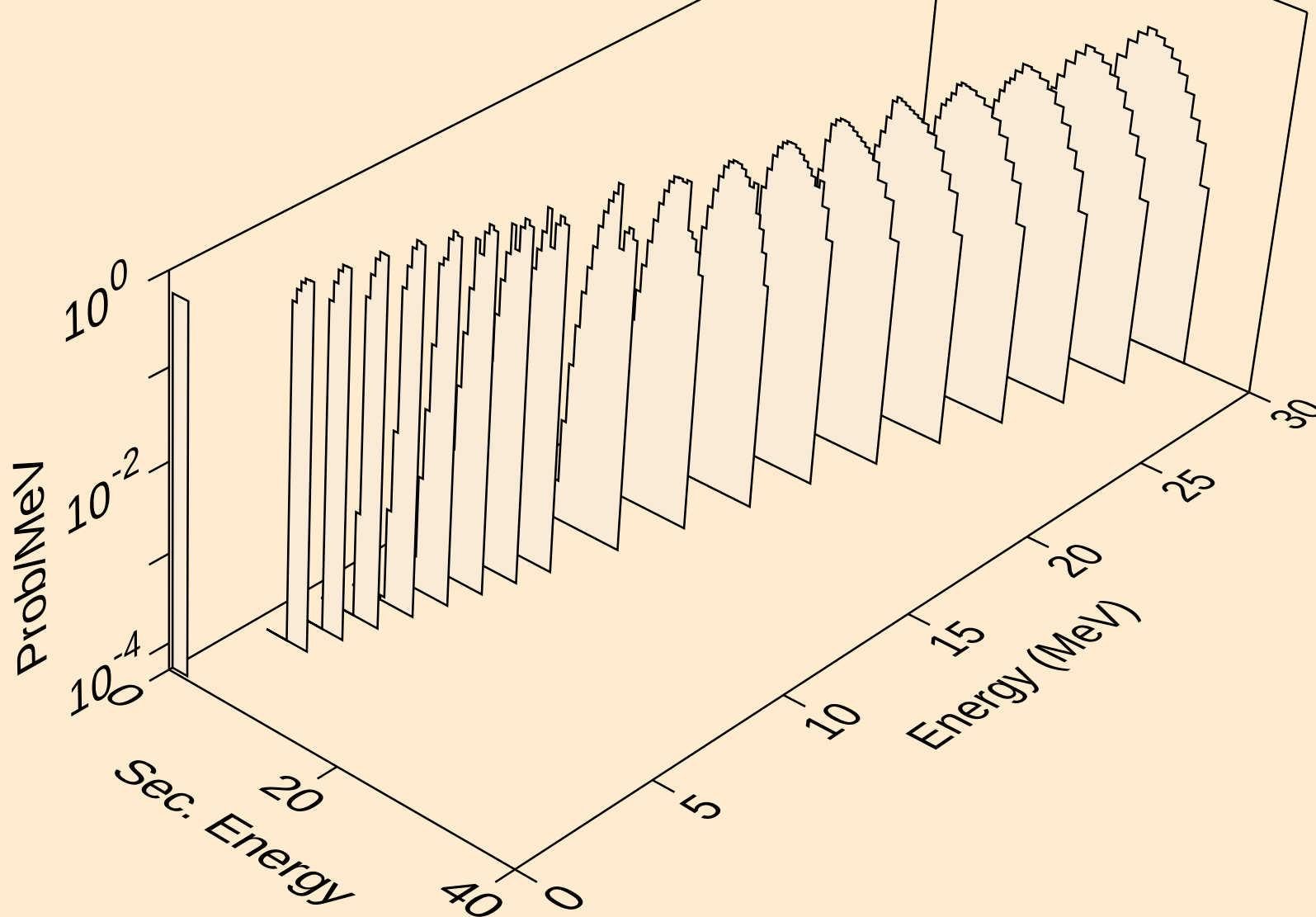
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,n\*)2a



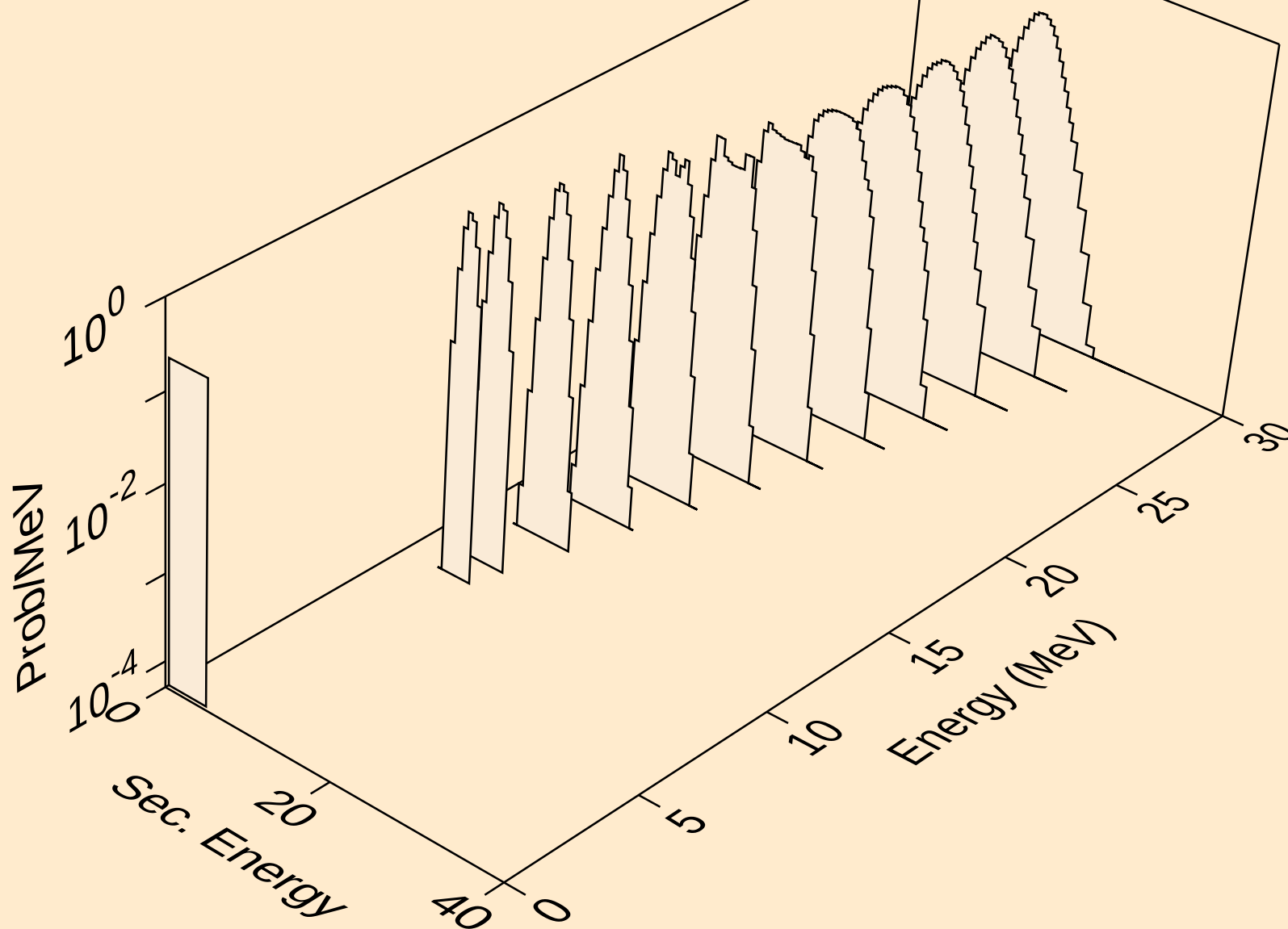
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,npa)



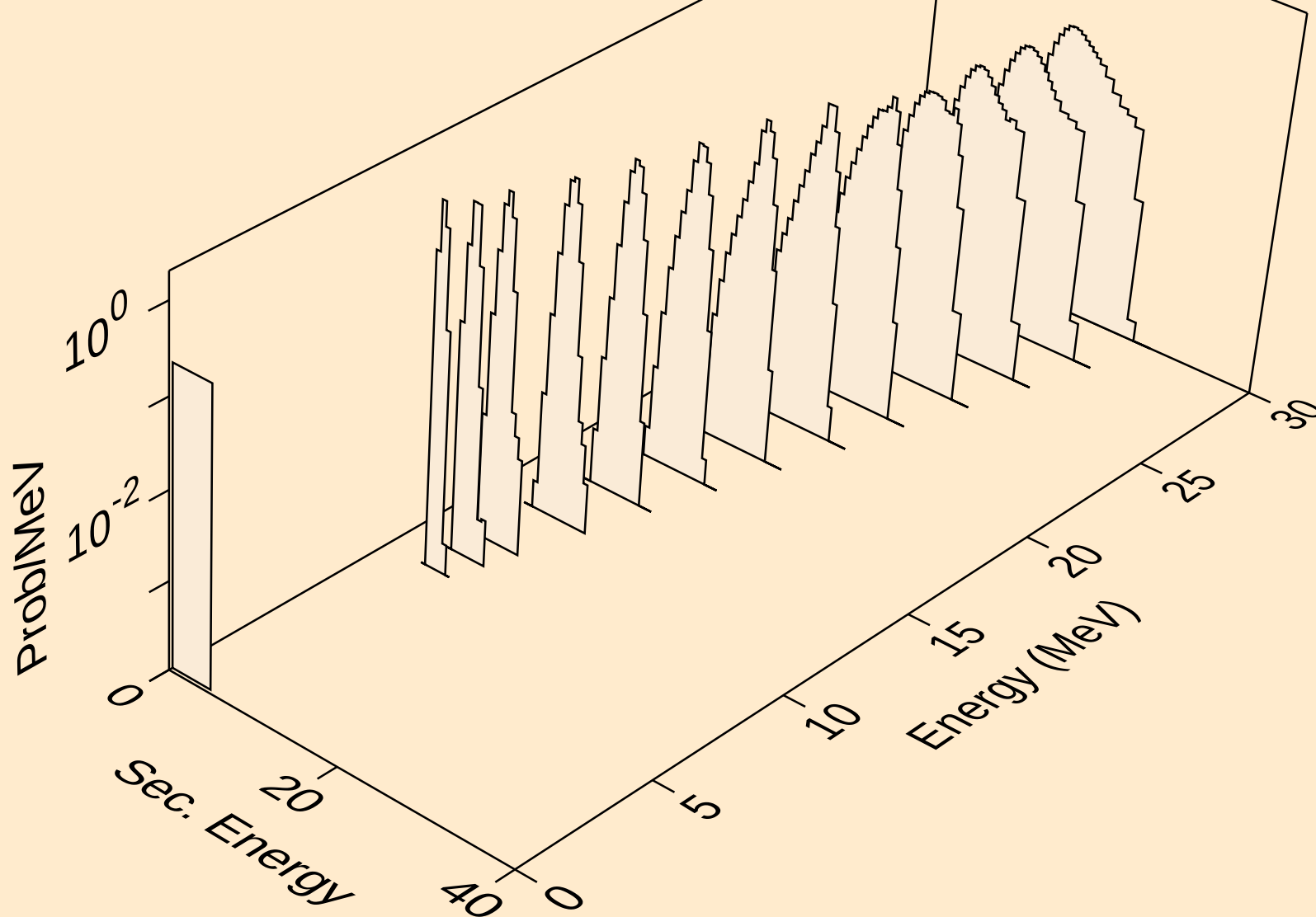
SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,a)



SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,2a)



SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,pa)



SM143 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,da)

