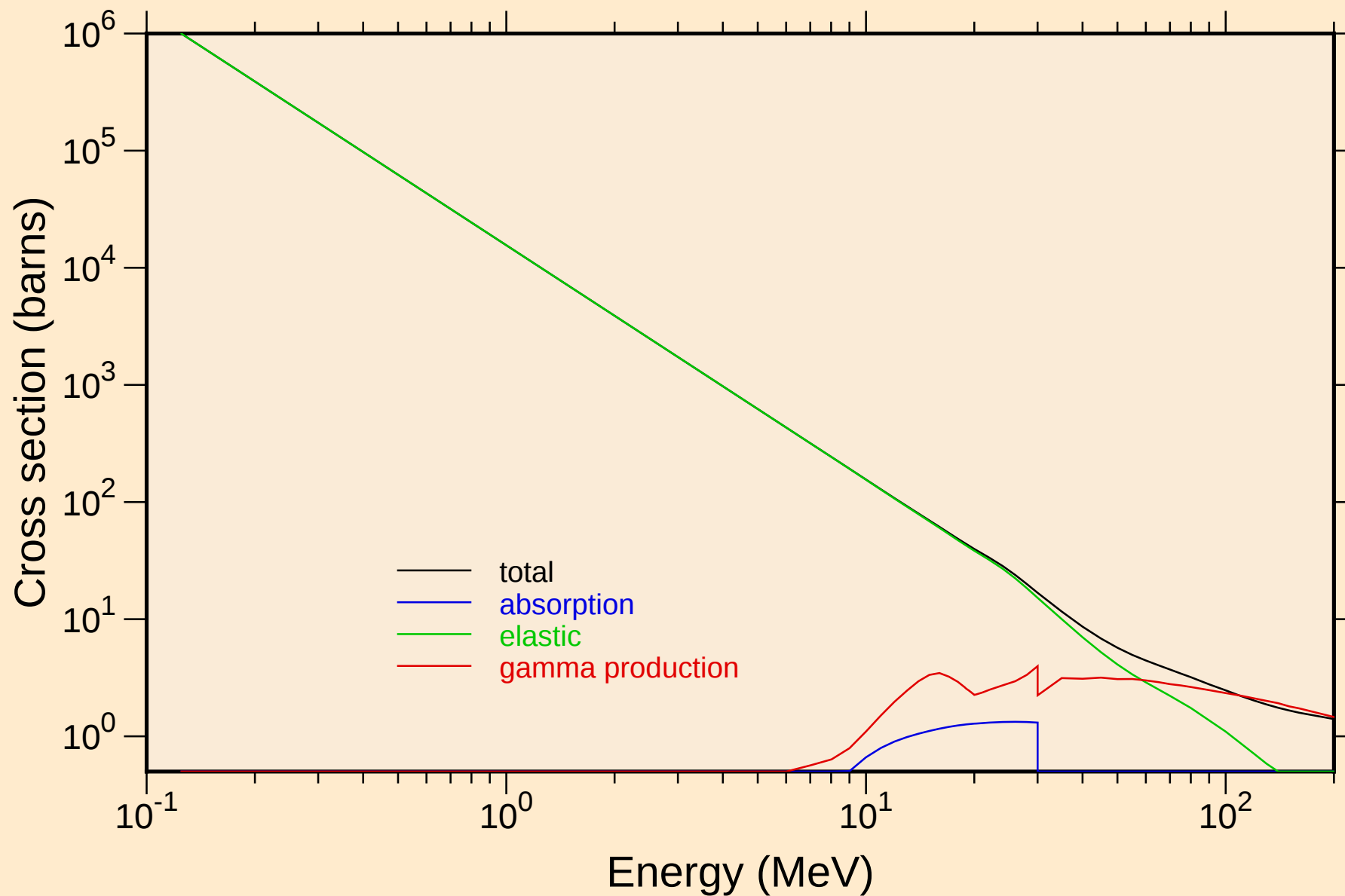


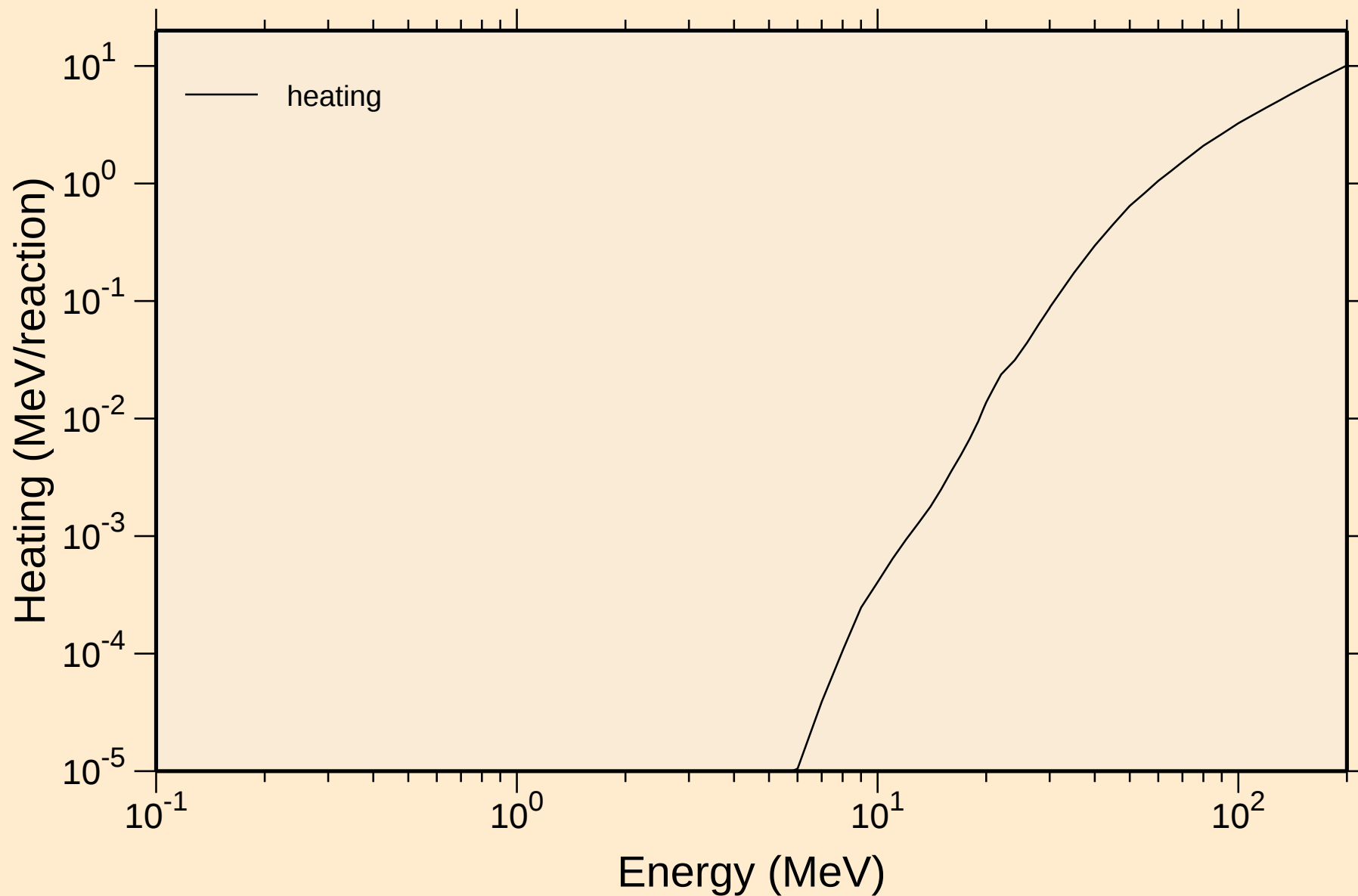
# SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



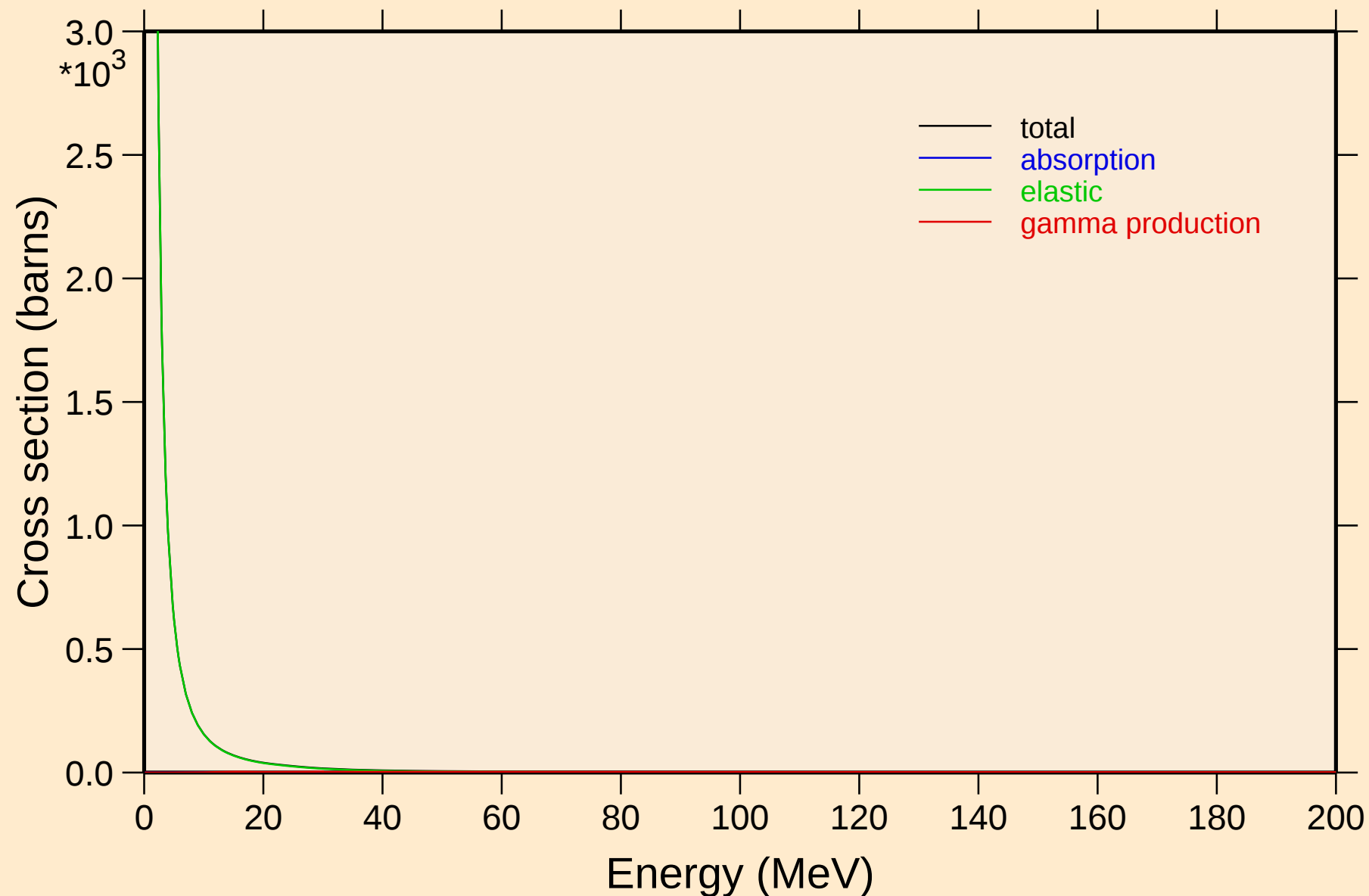
# SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Heating



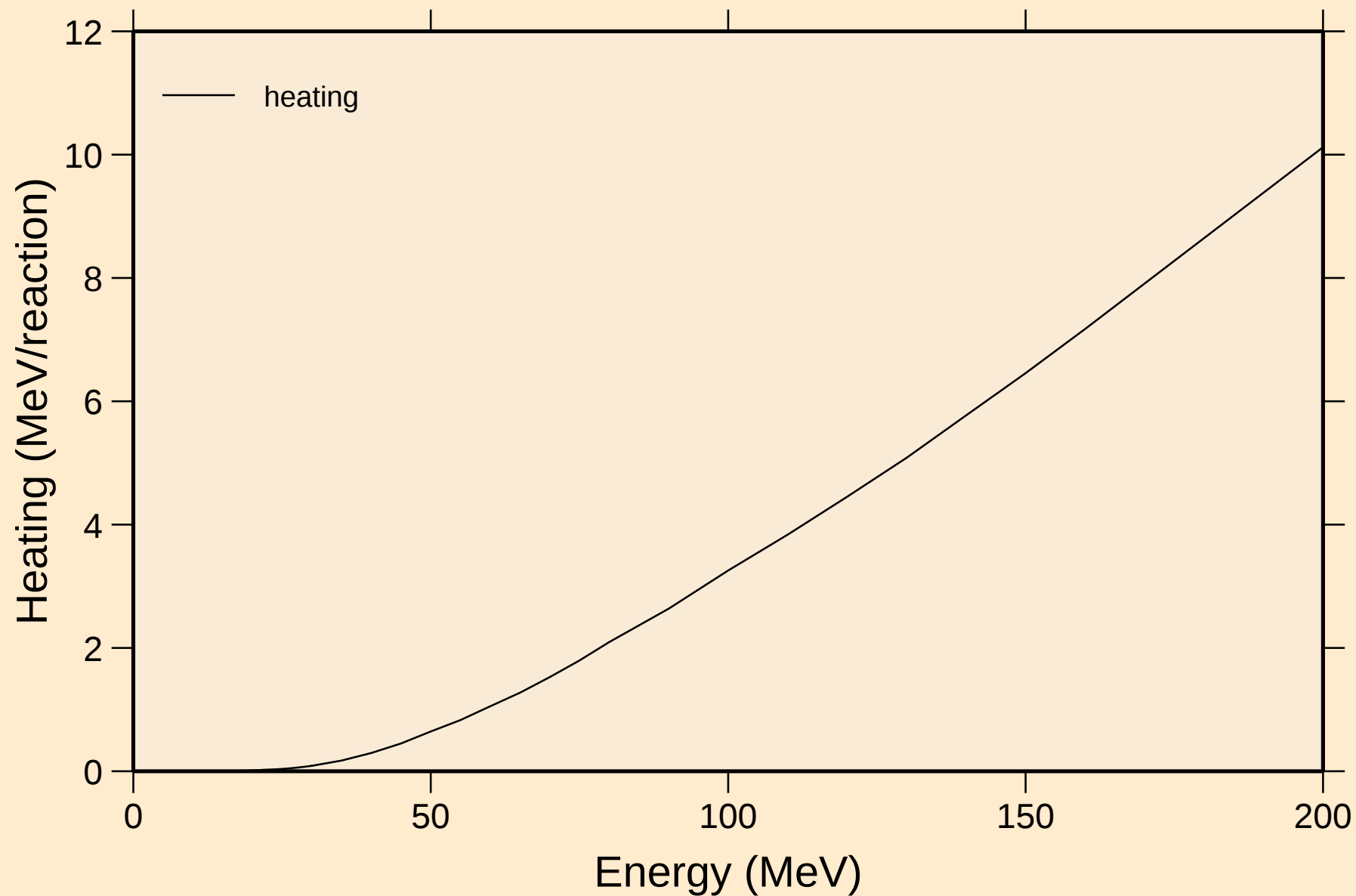
# SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



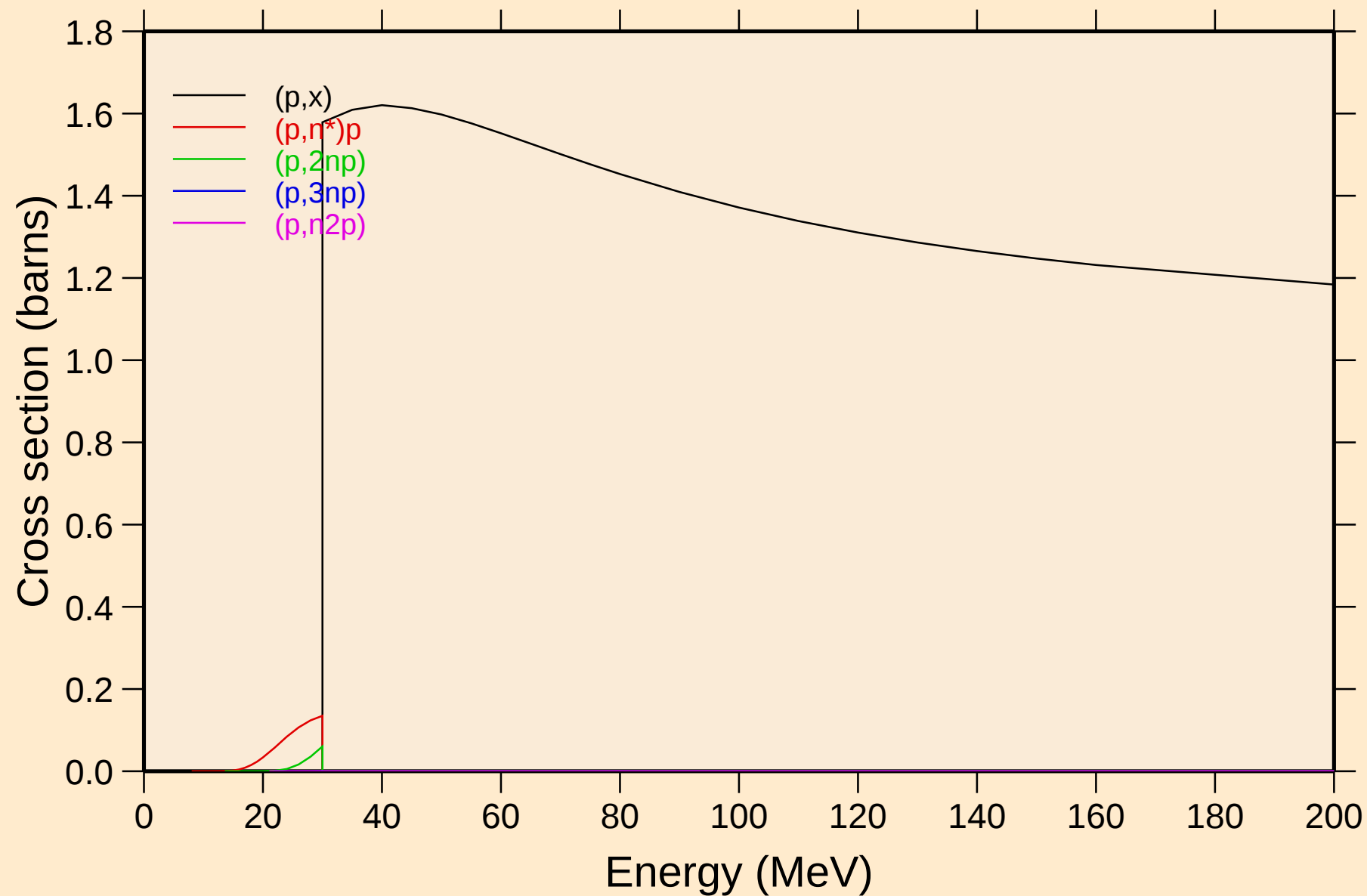
# SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Heating



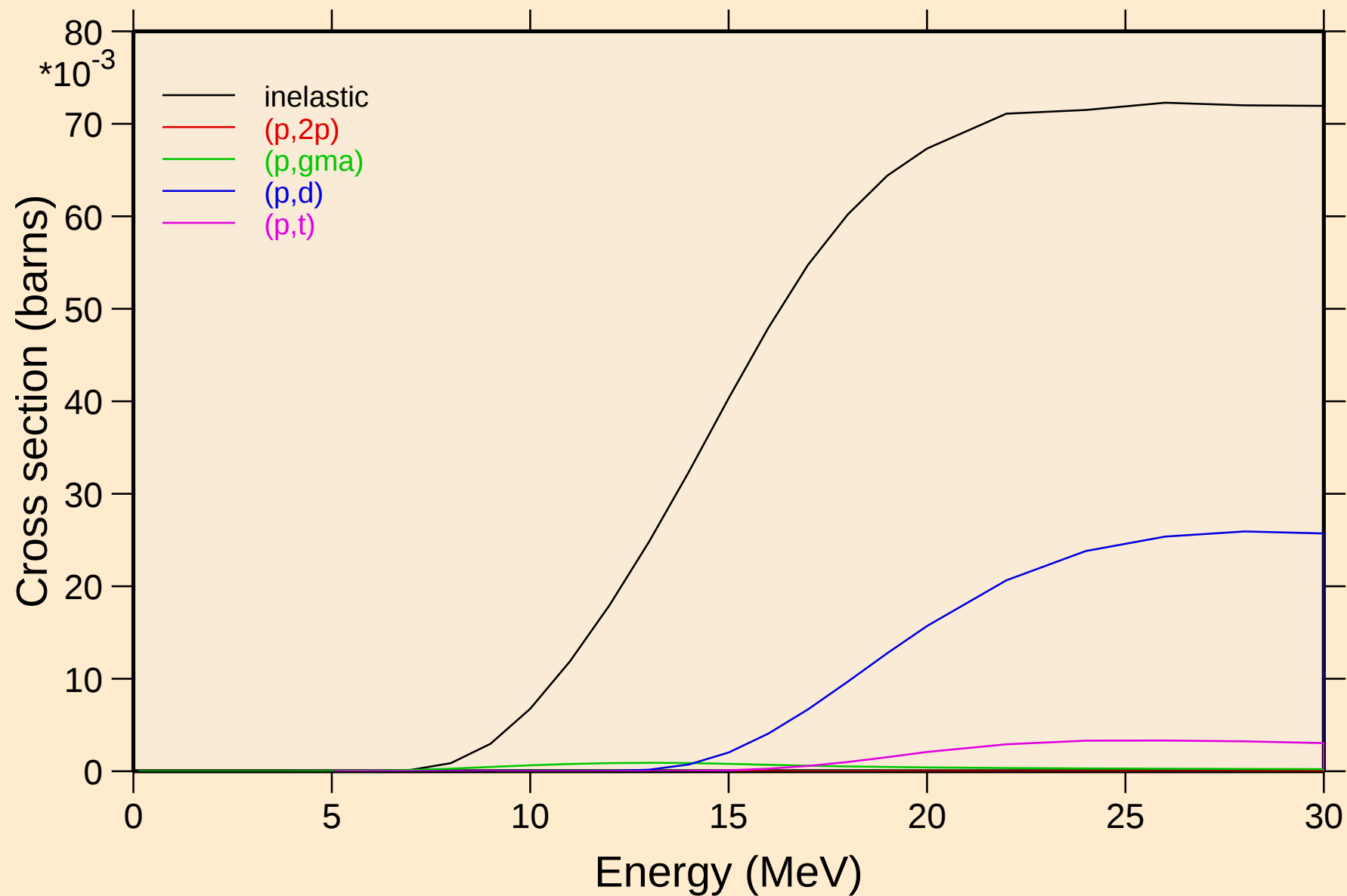
# SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions



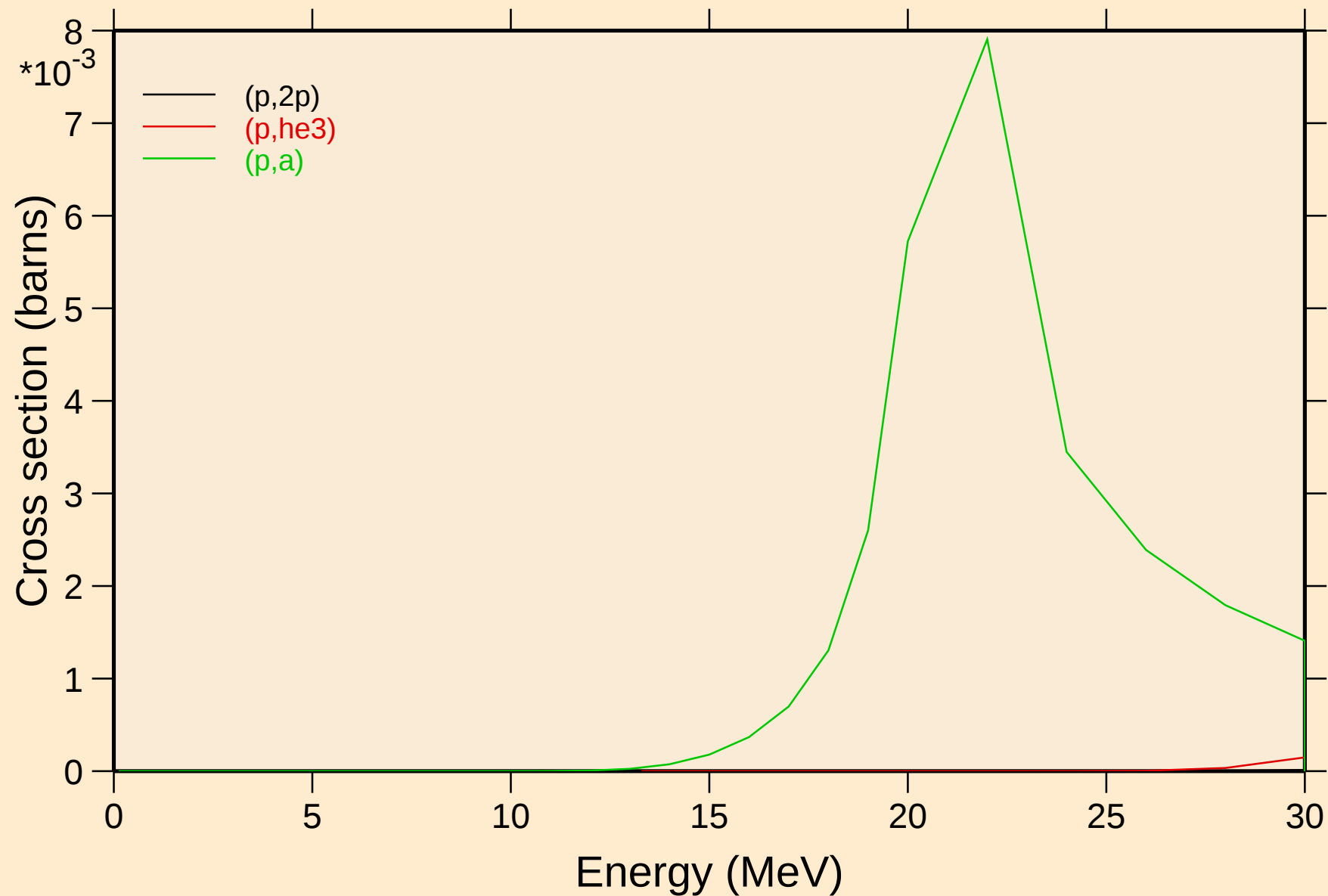
# SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



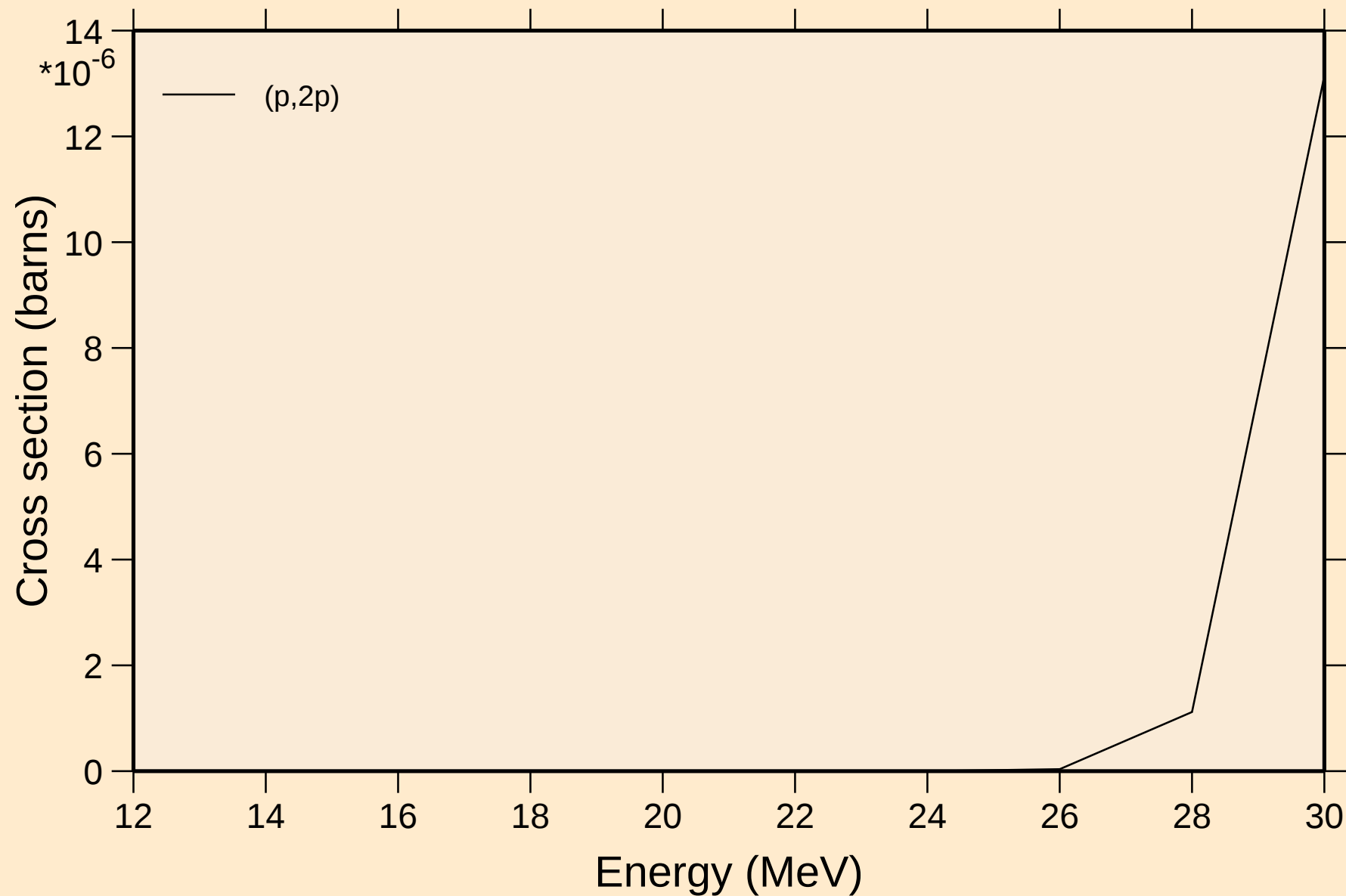
# SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

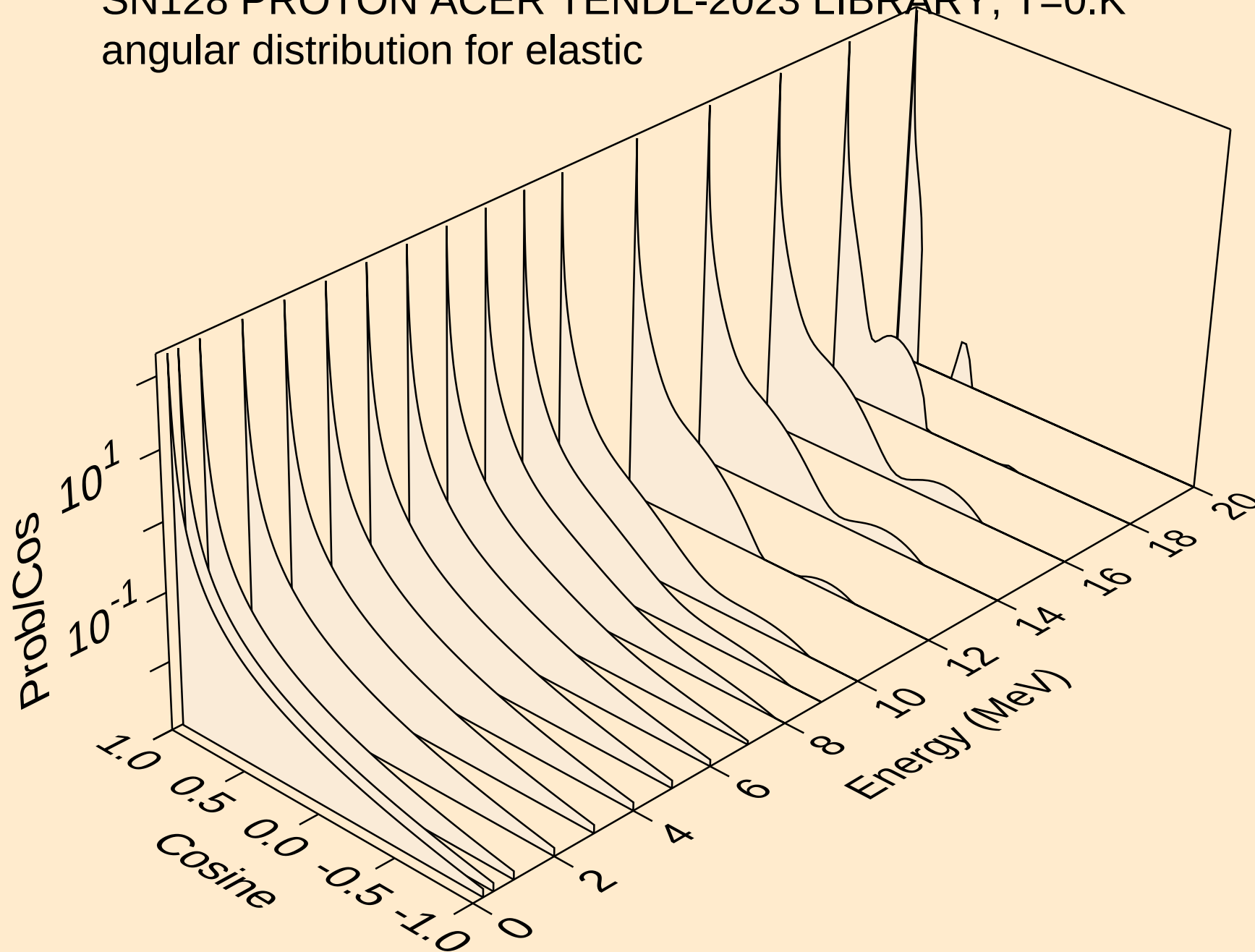


# SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K

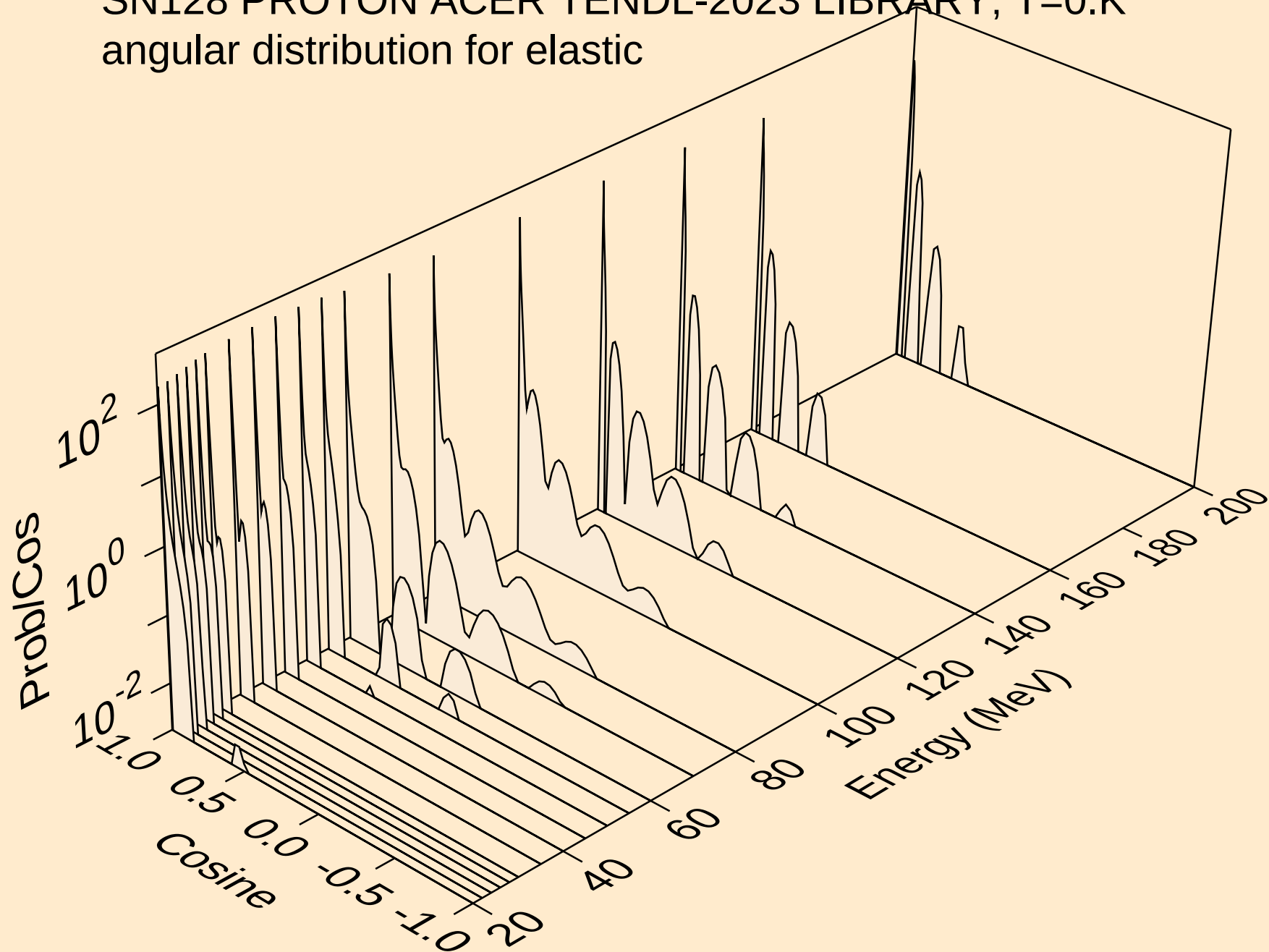
Threshold reactions



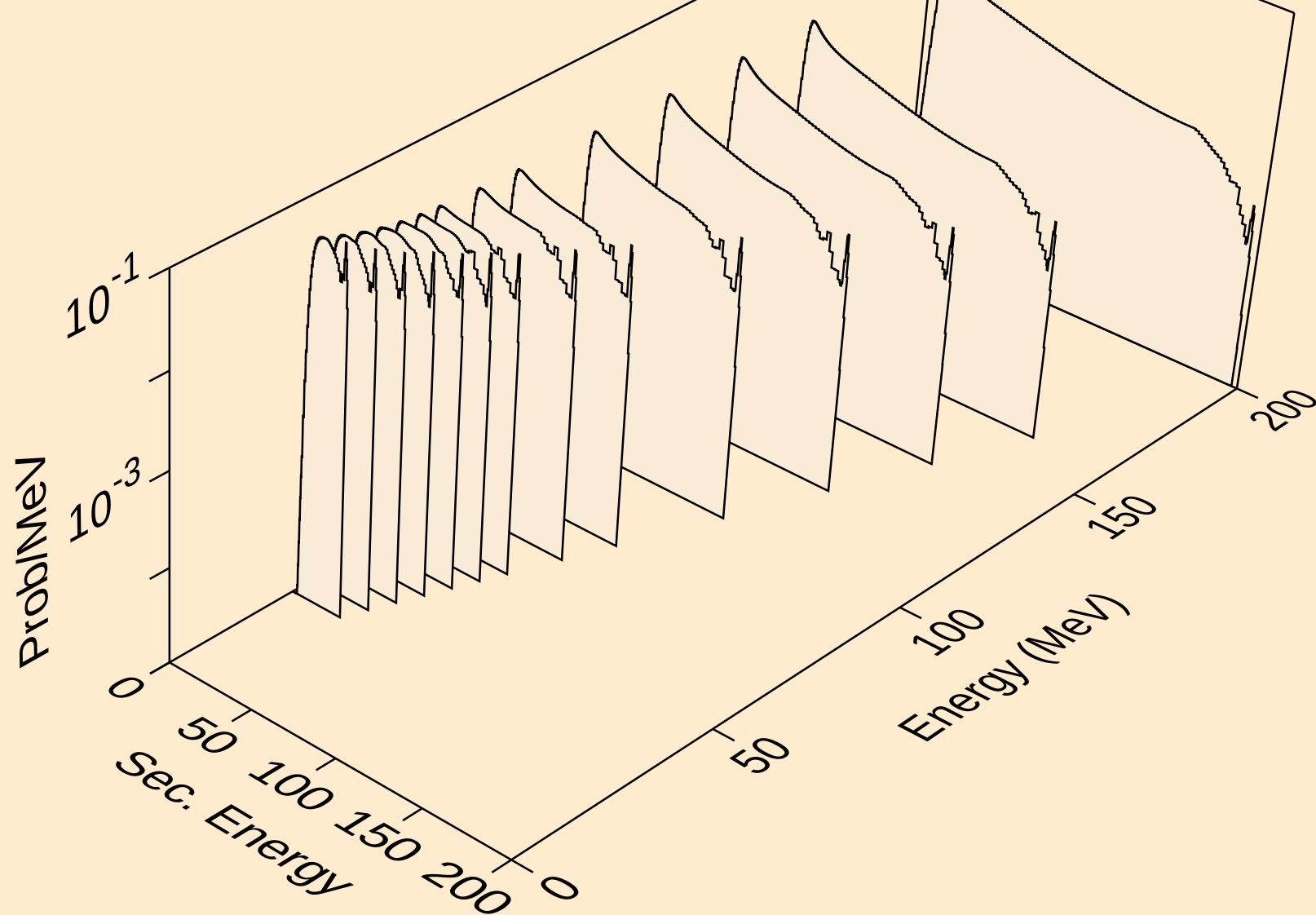
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

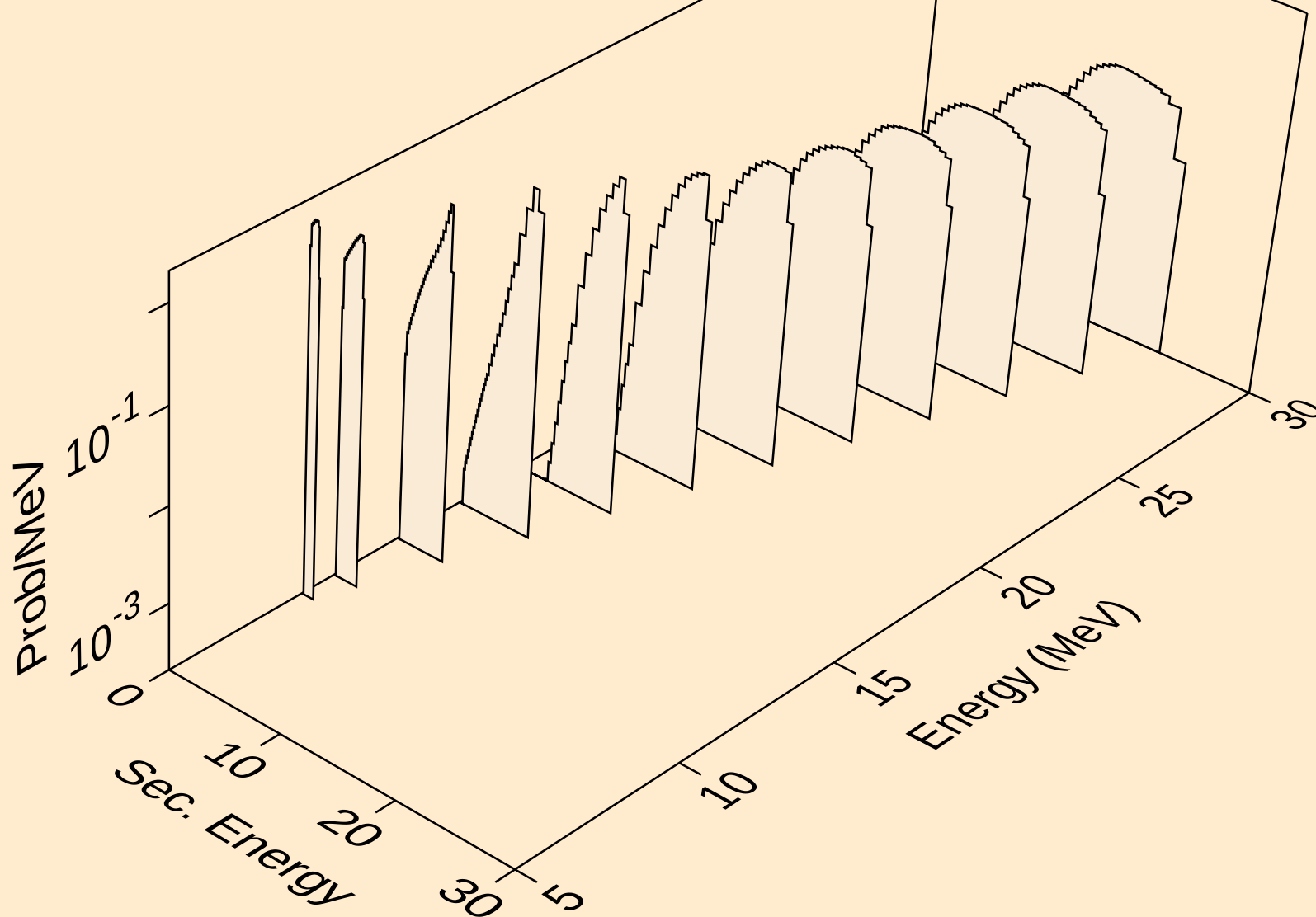


SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)

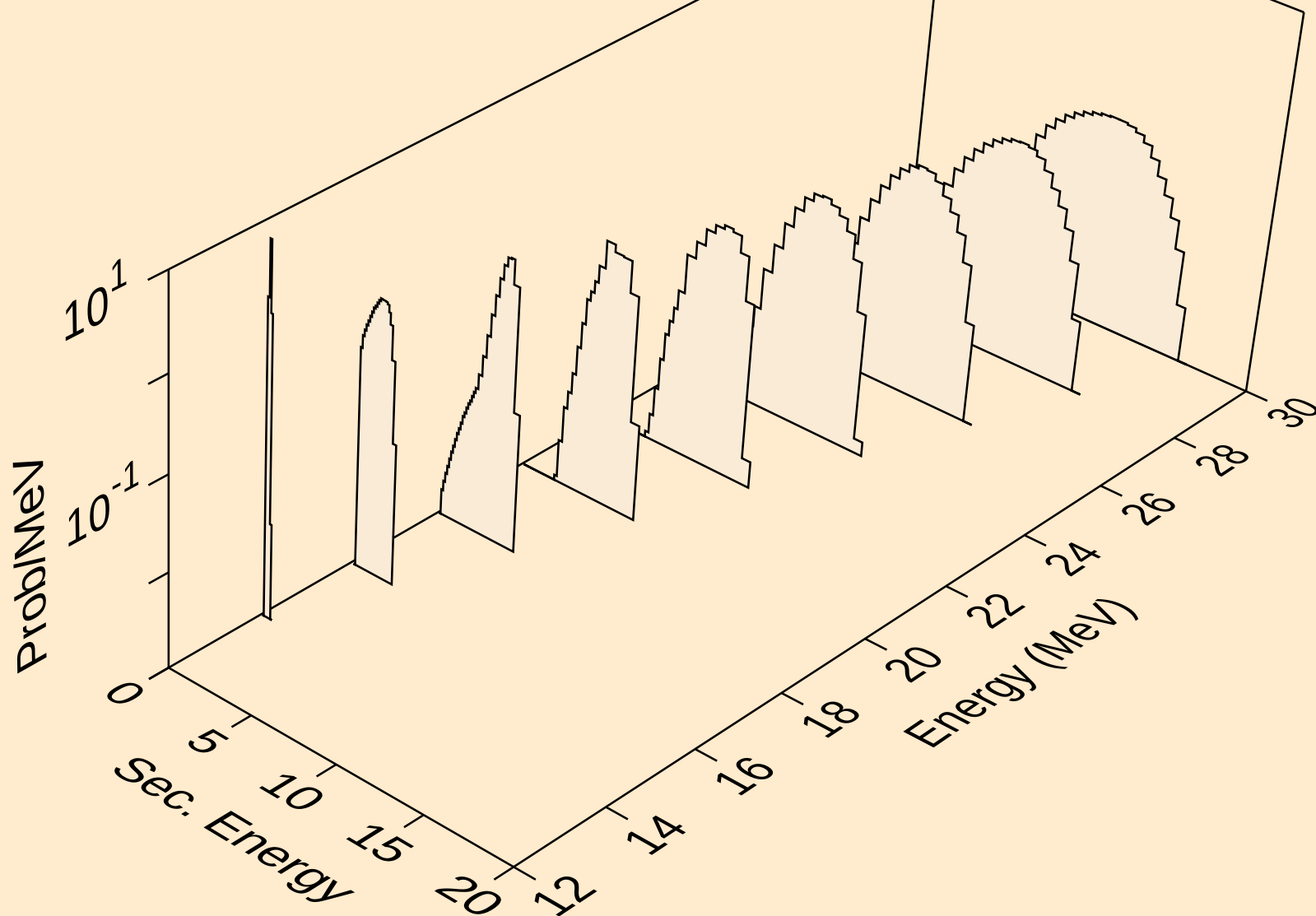


SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K

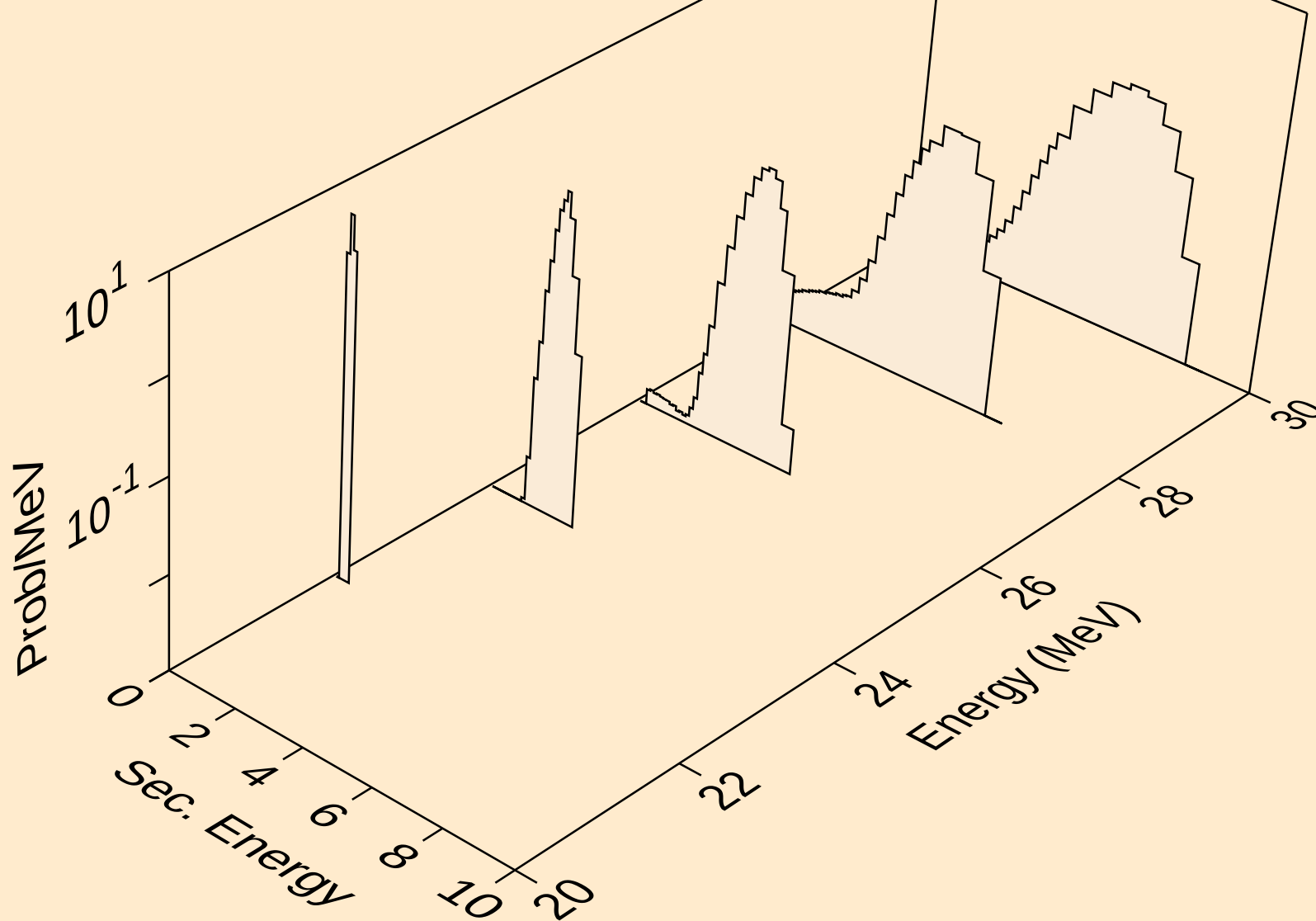
Proton emission for  $(p,n^*)p$



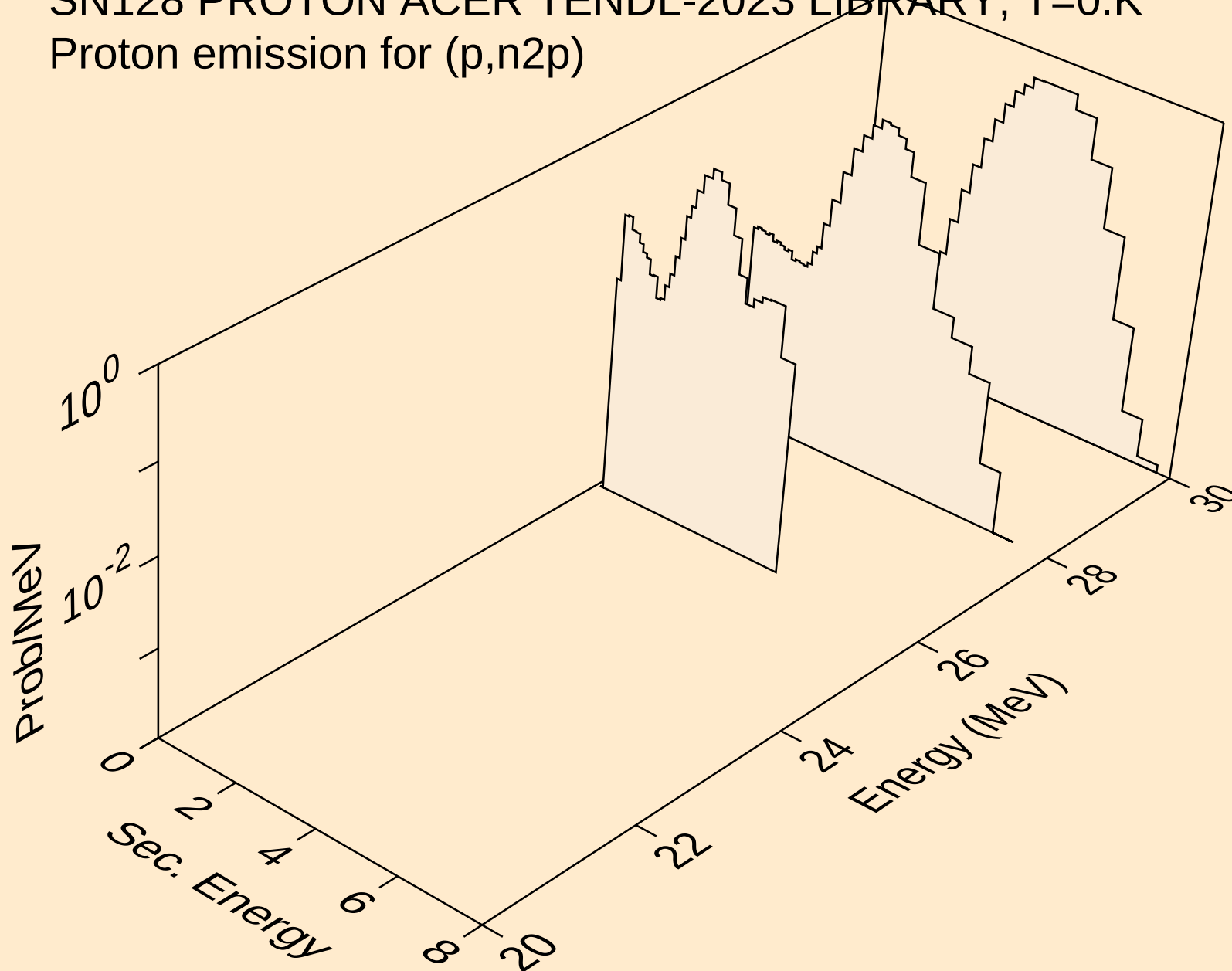
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



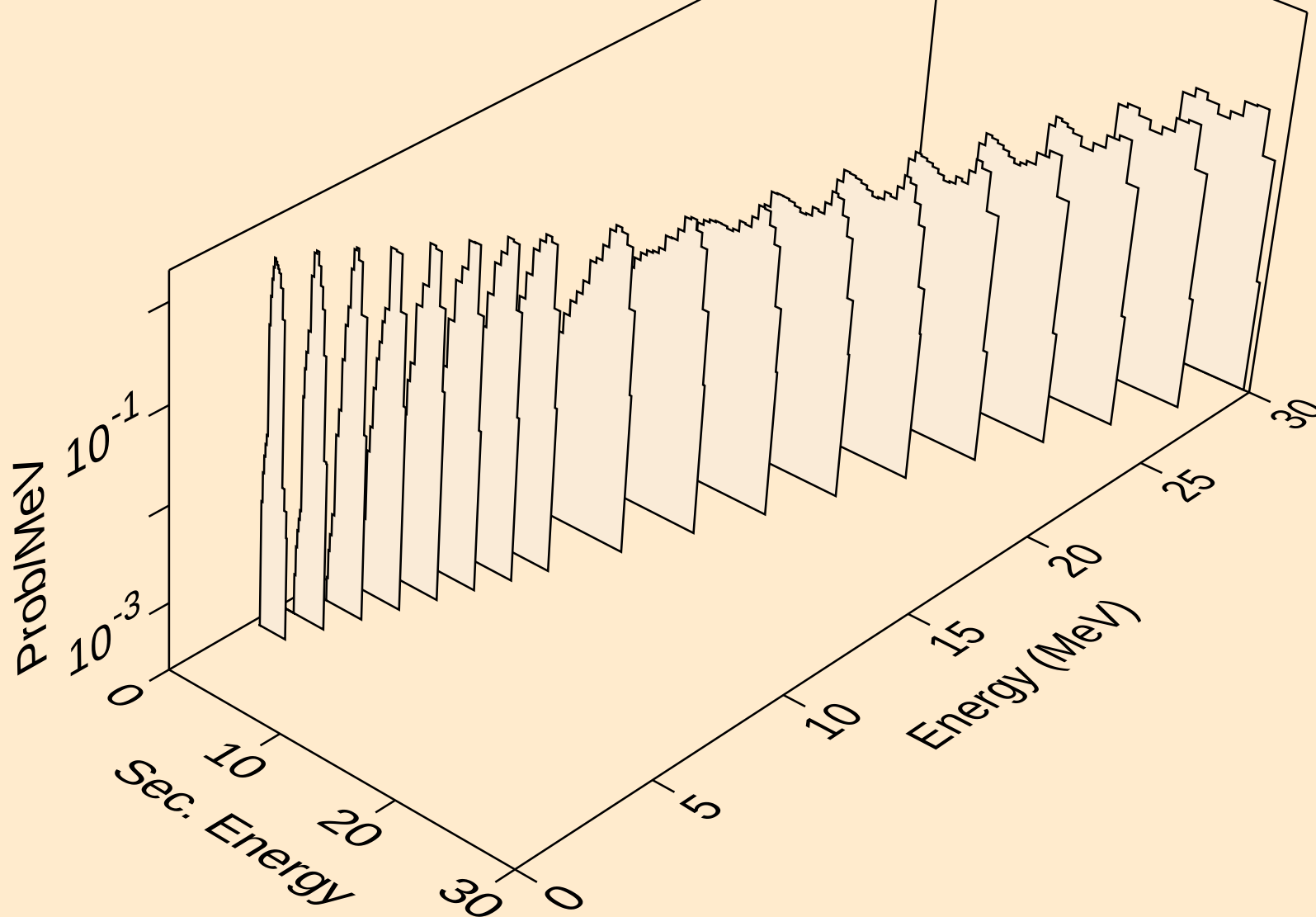
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,3np)



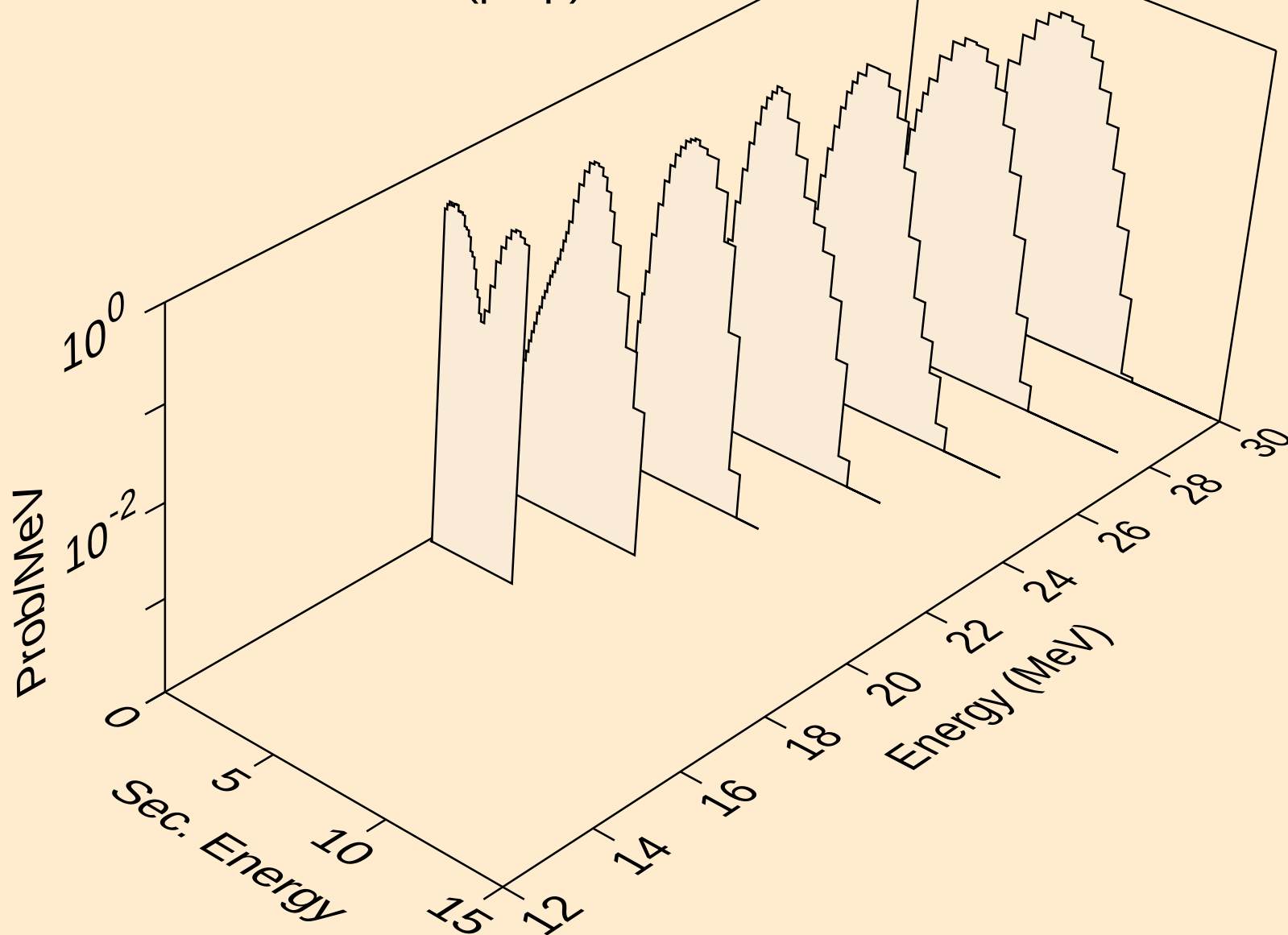
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n2p)



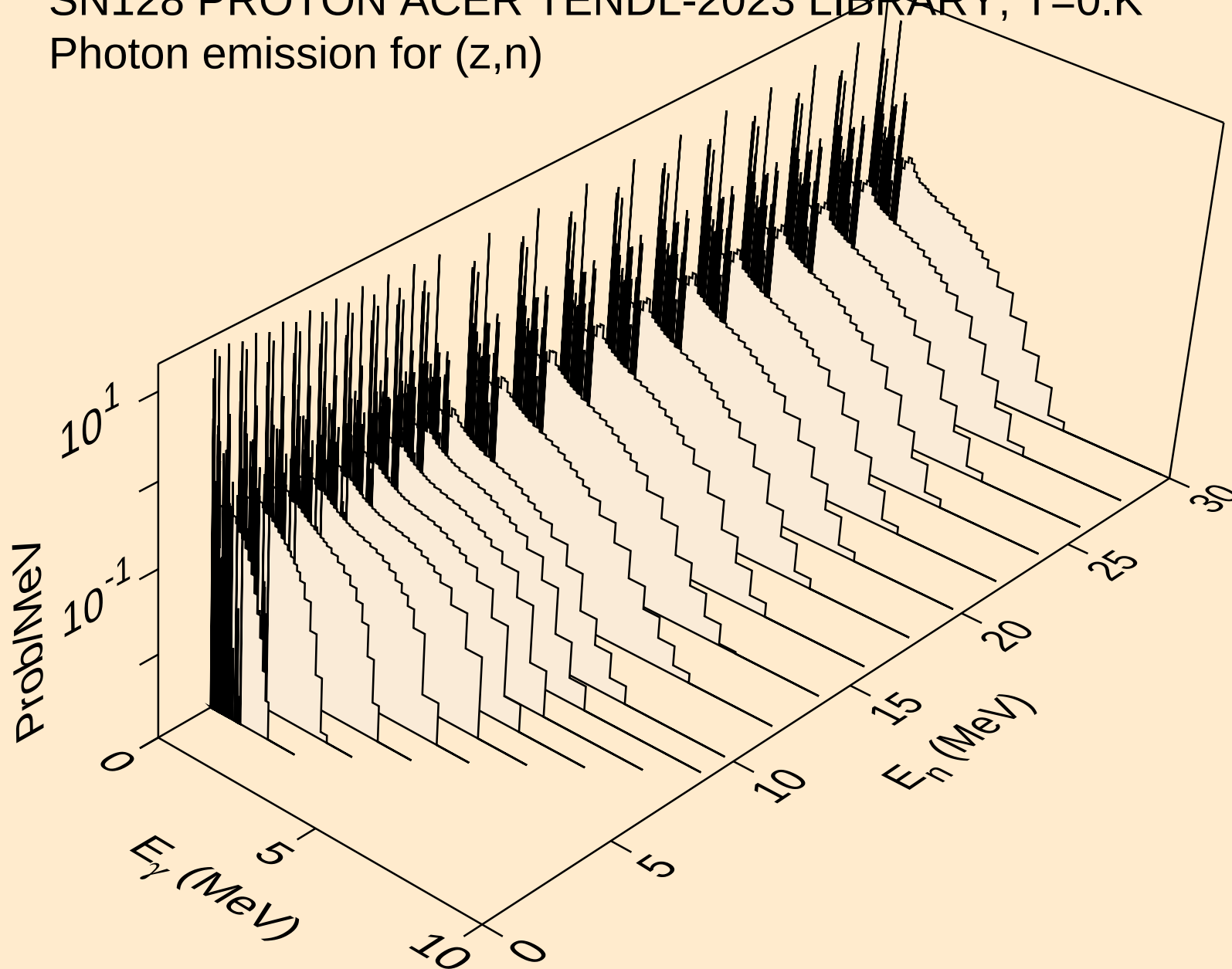
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic



SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2p)

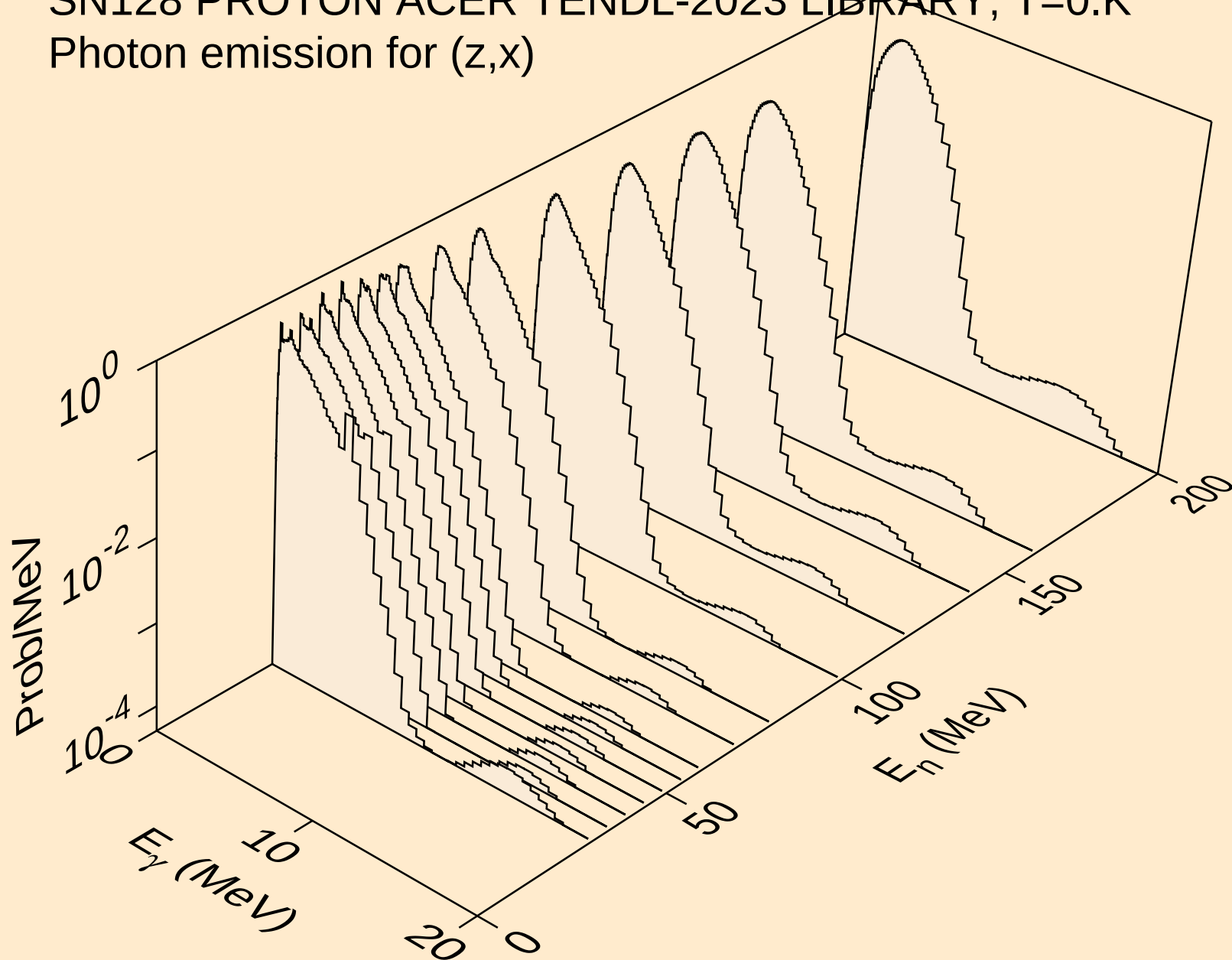


SN128 PROTON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (z,n)

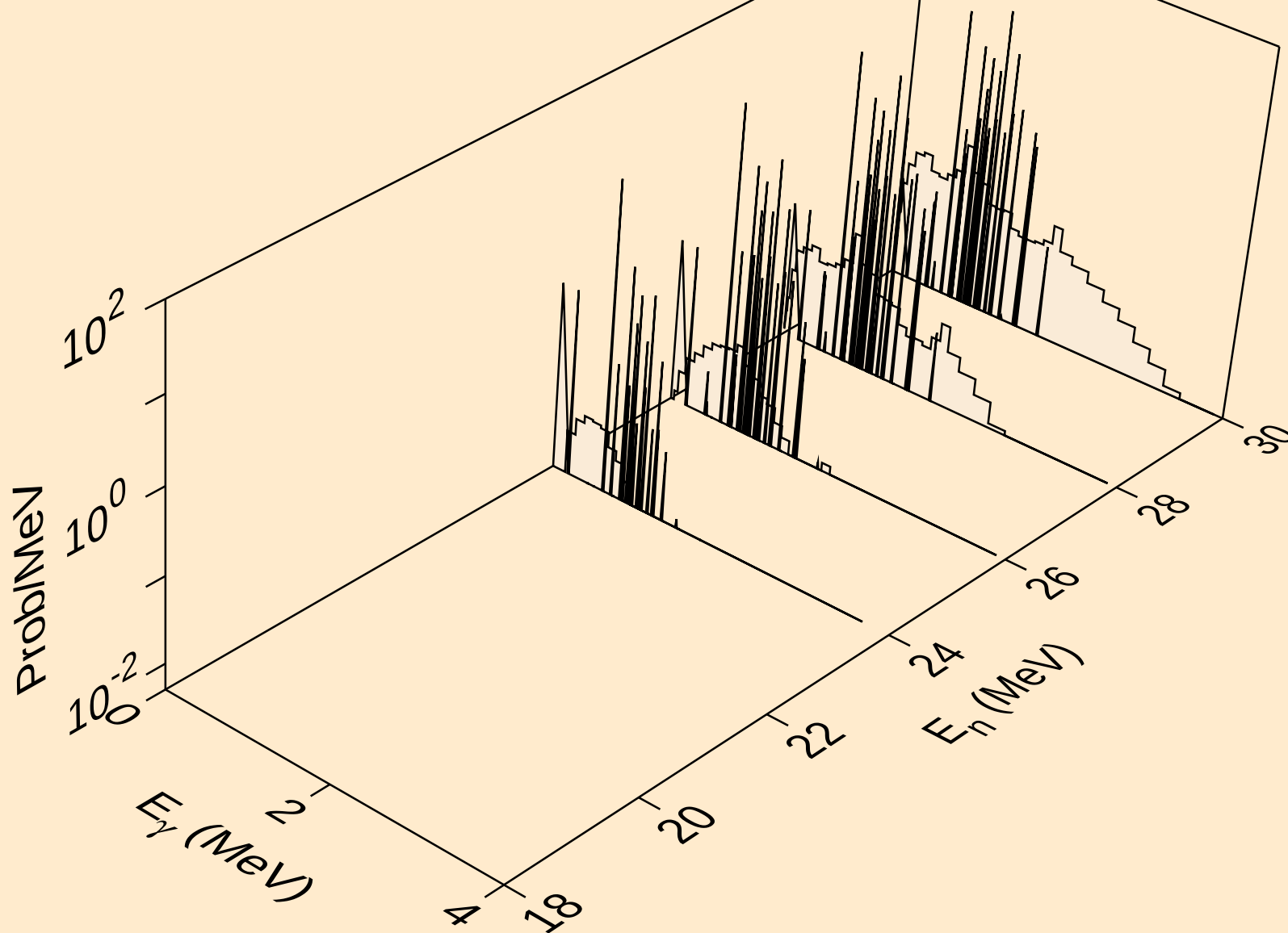


SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K

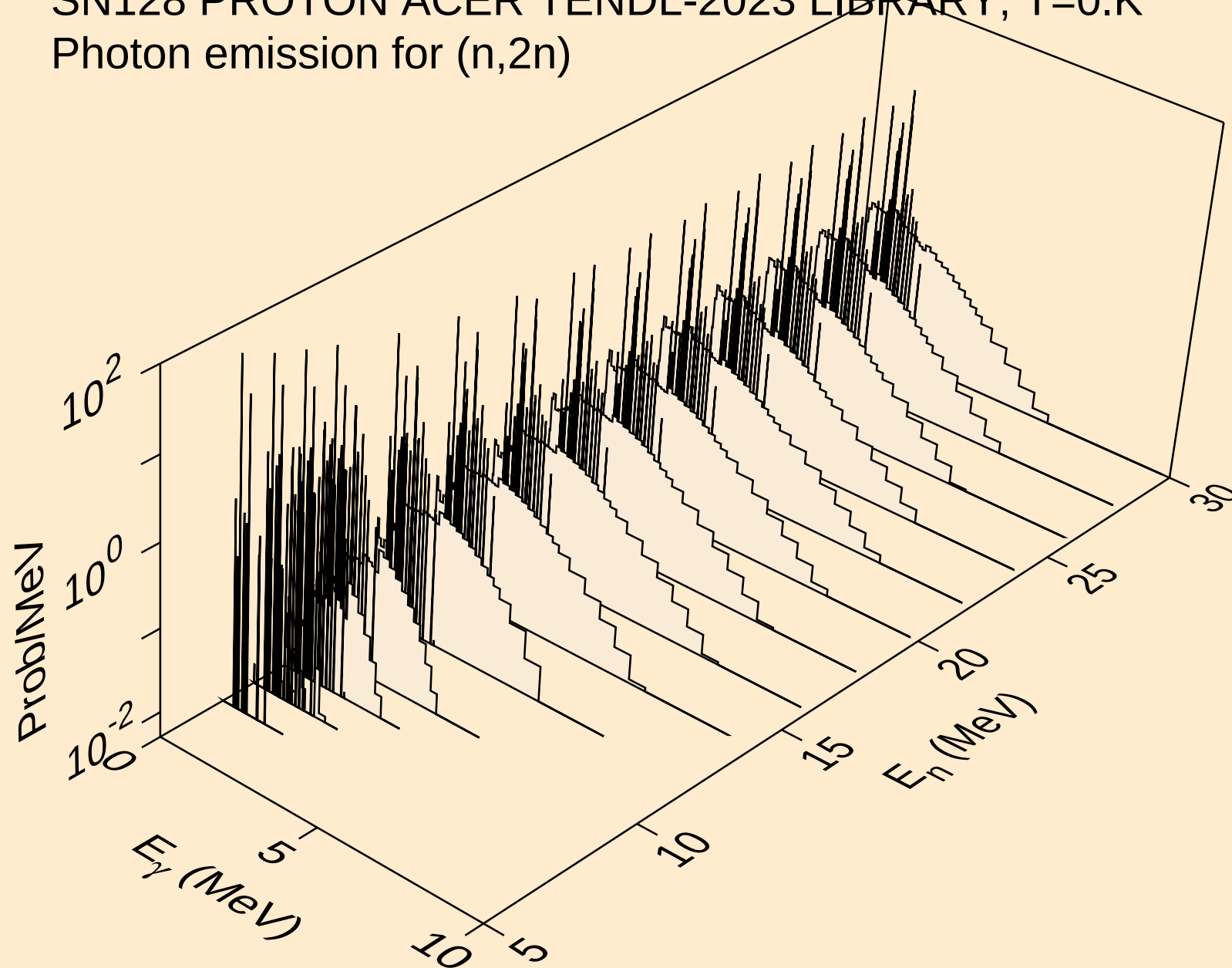
Photon emission for (z,x)



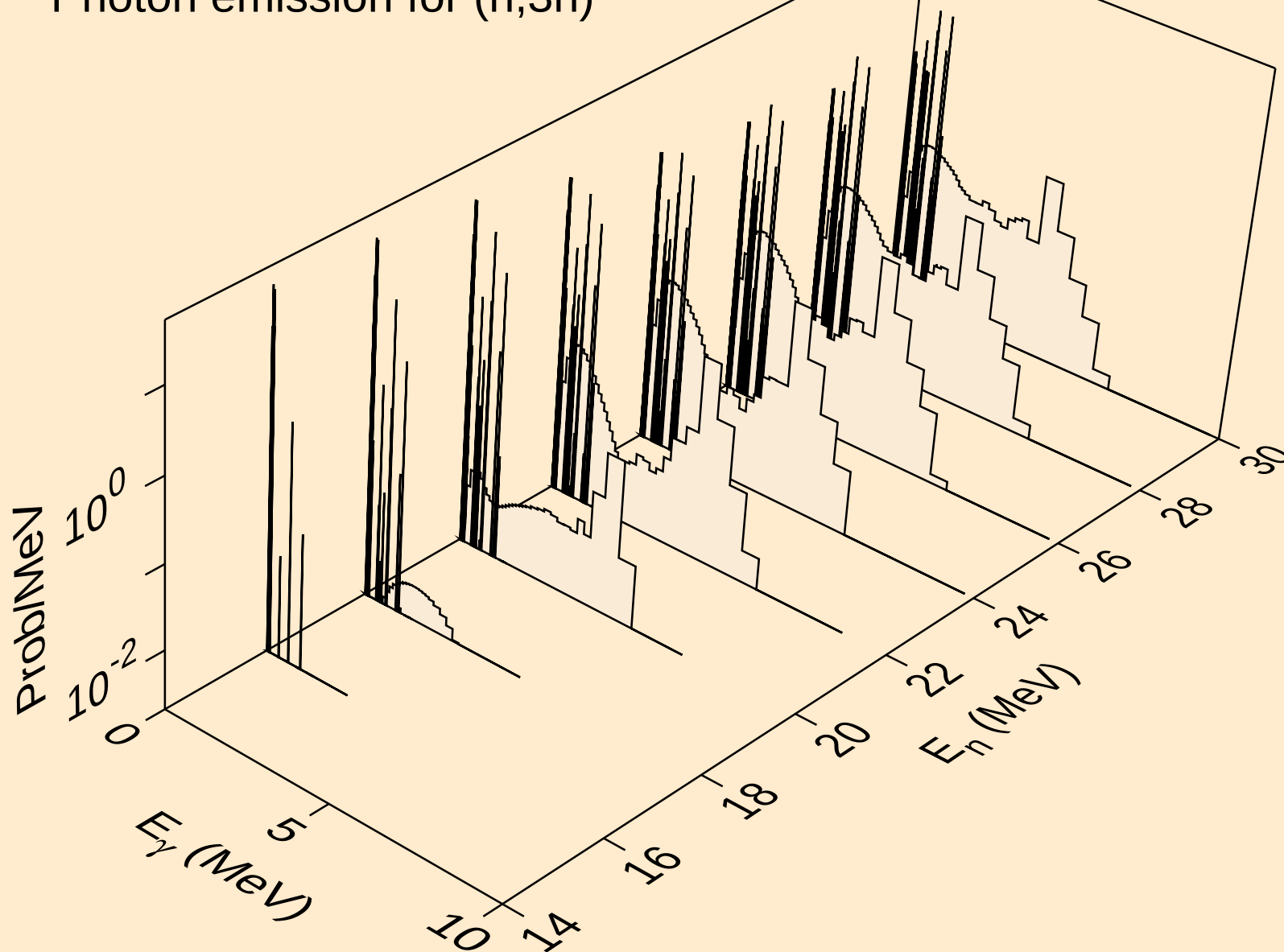
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



SN128 PROTON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,2n)

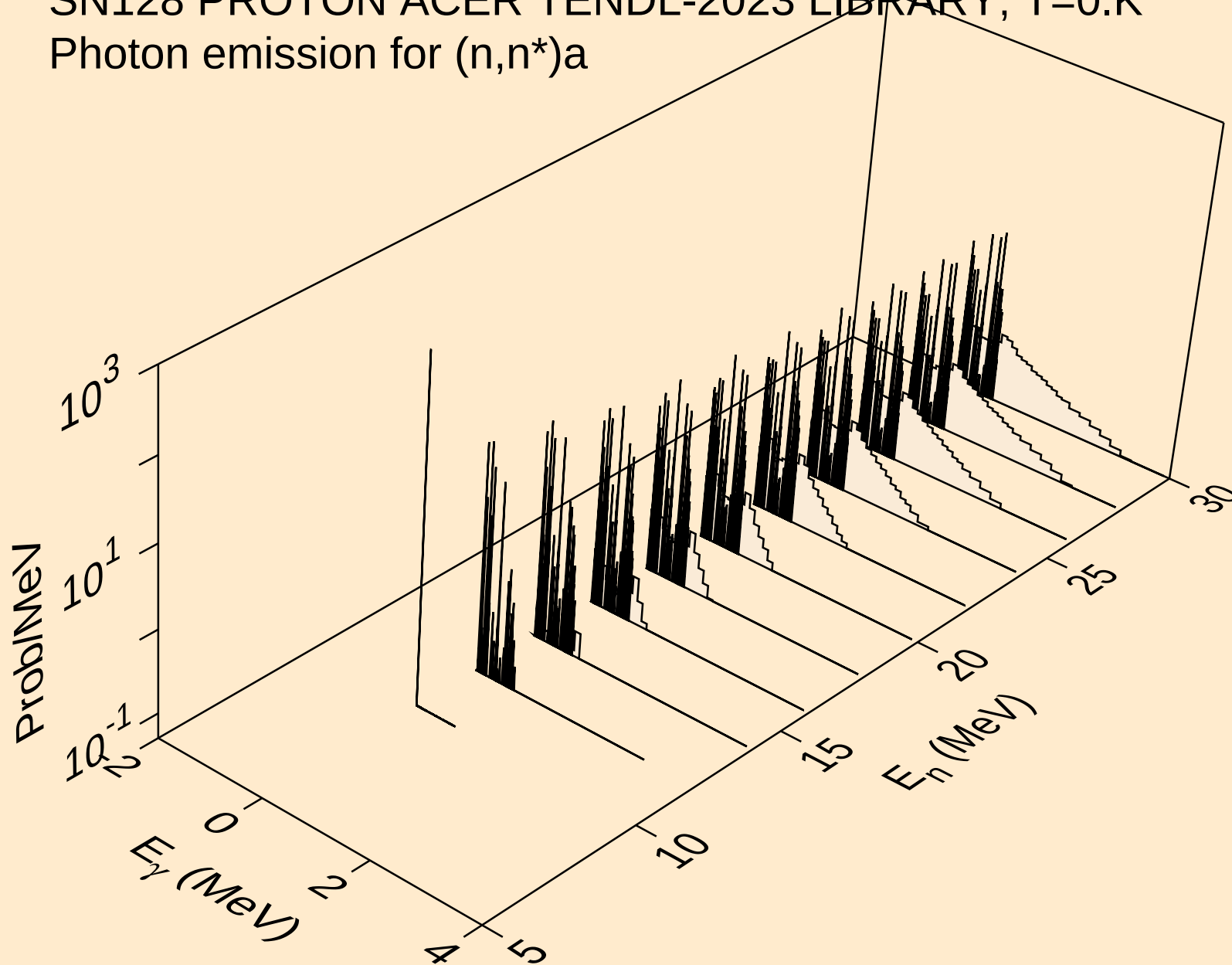


SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



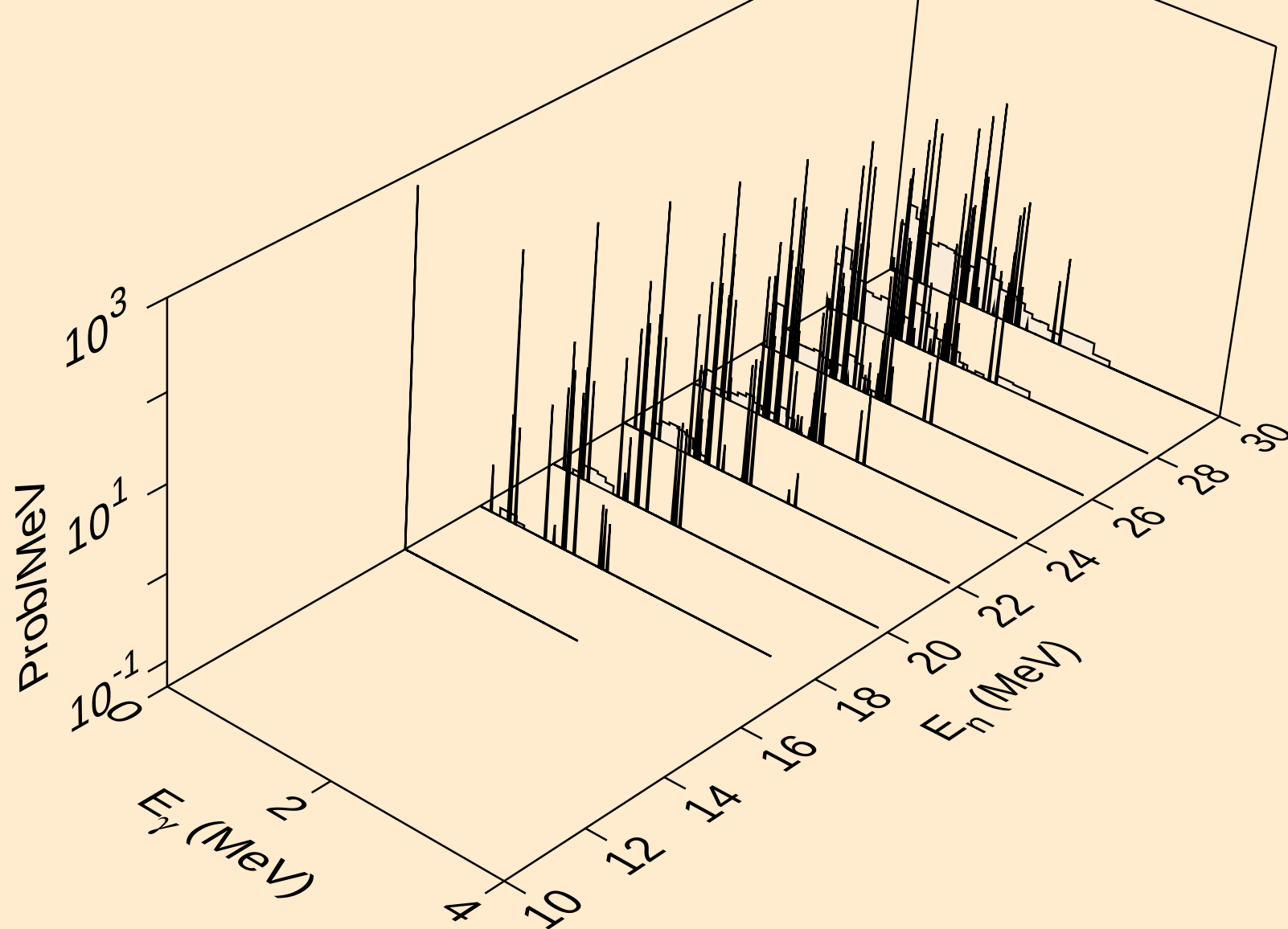
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)a



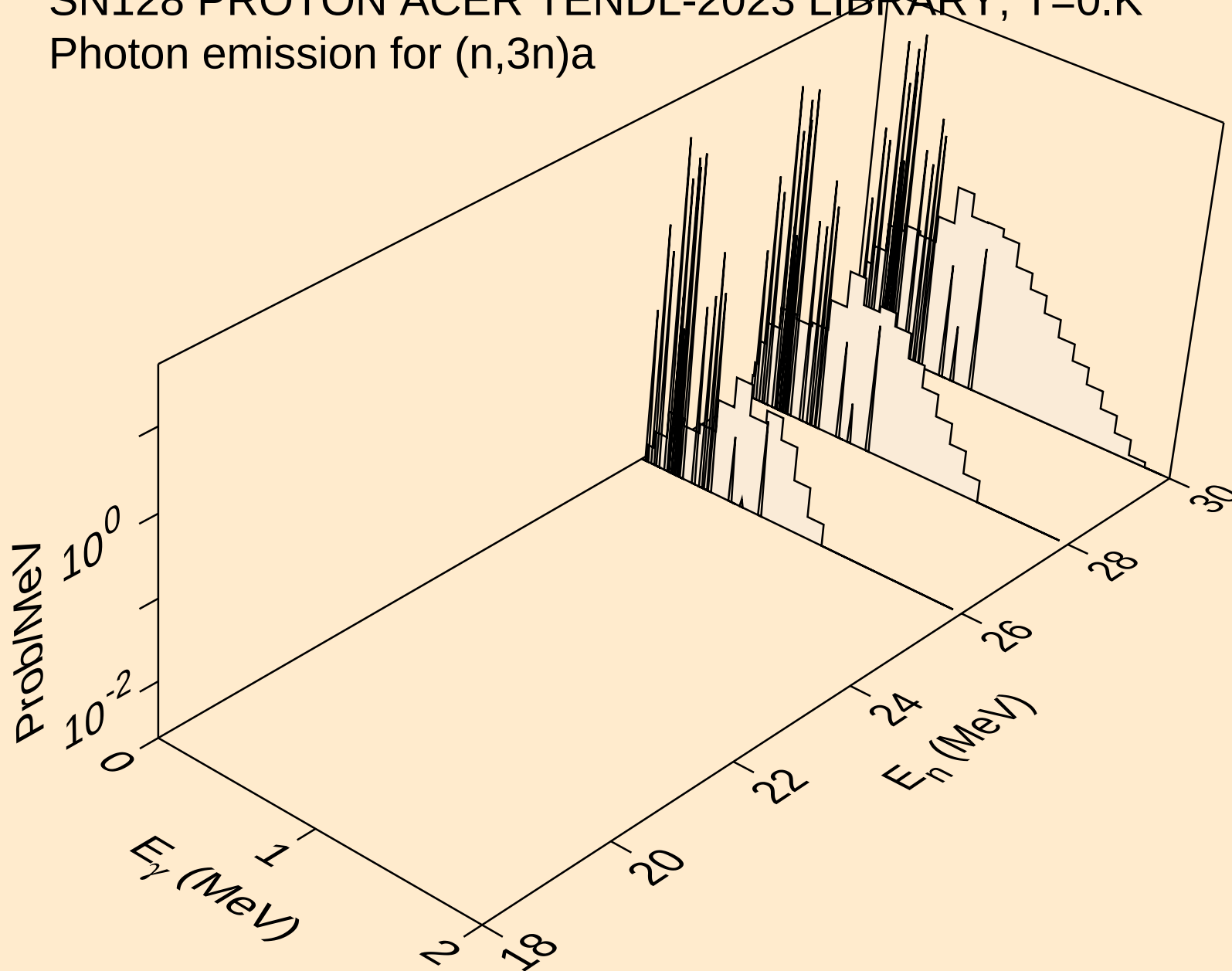
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,2n)a



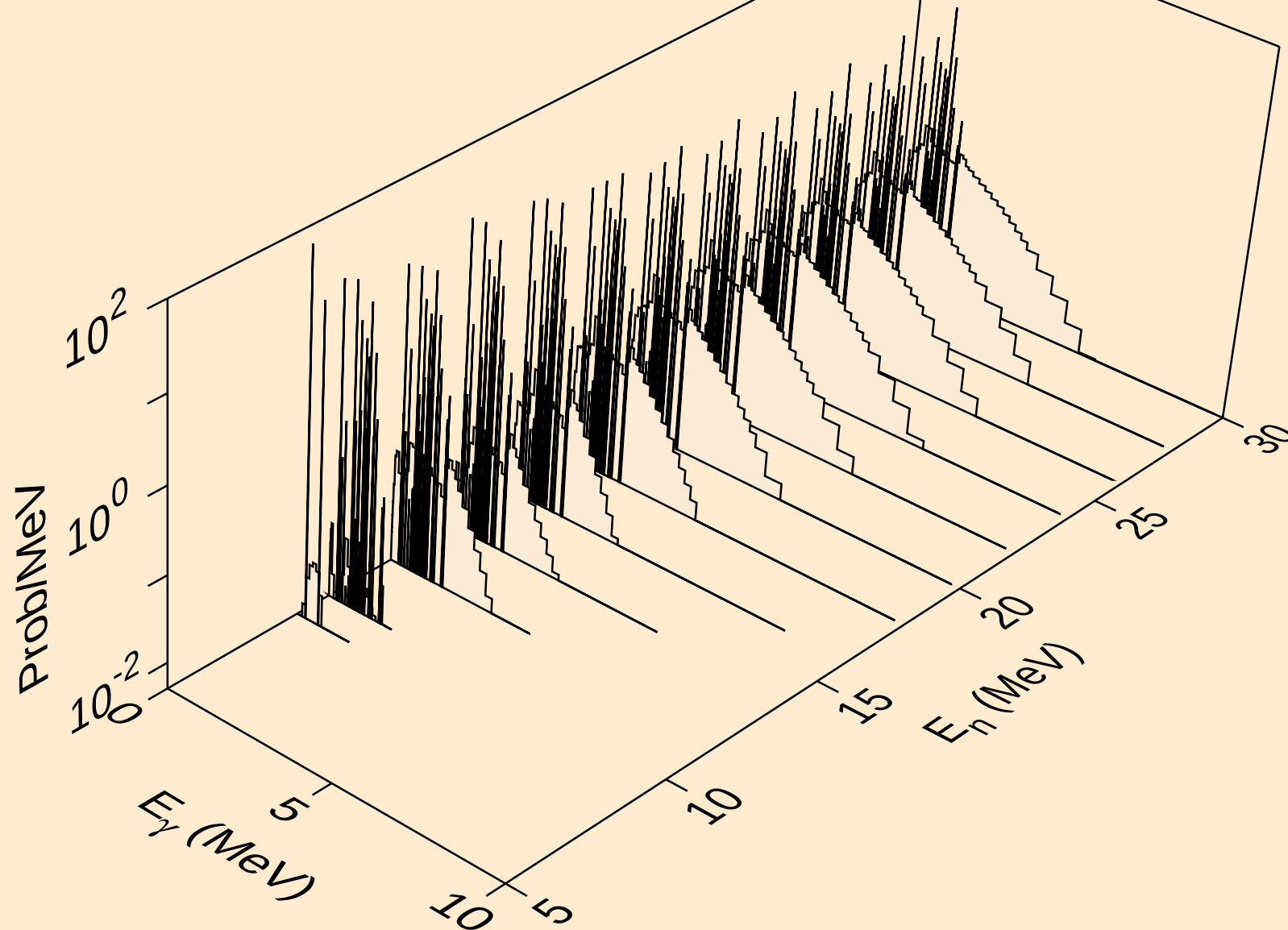
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,3n)a



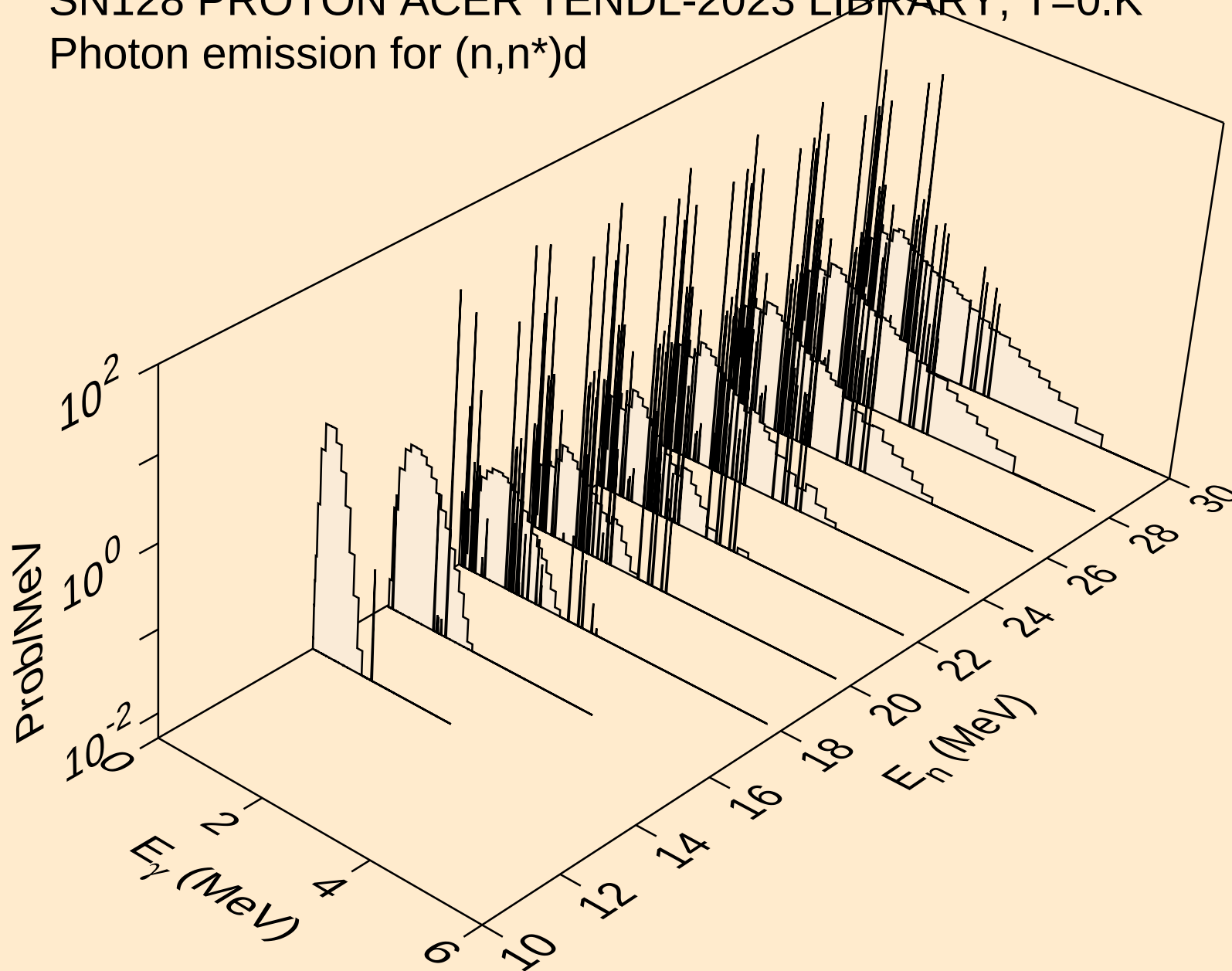
SN128 PROTON ACER TENDL-2023 LIBRARY;  $T=0.K$

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



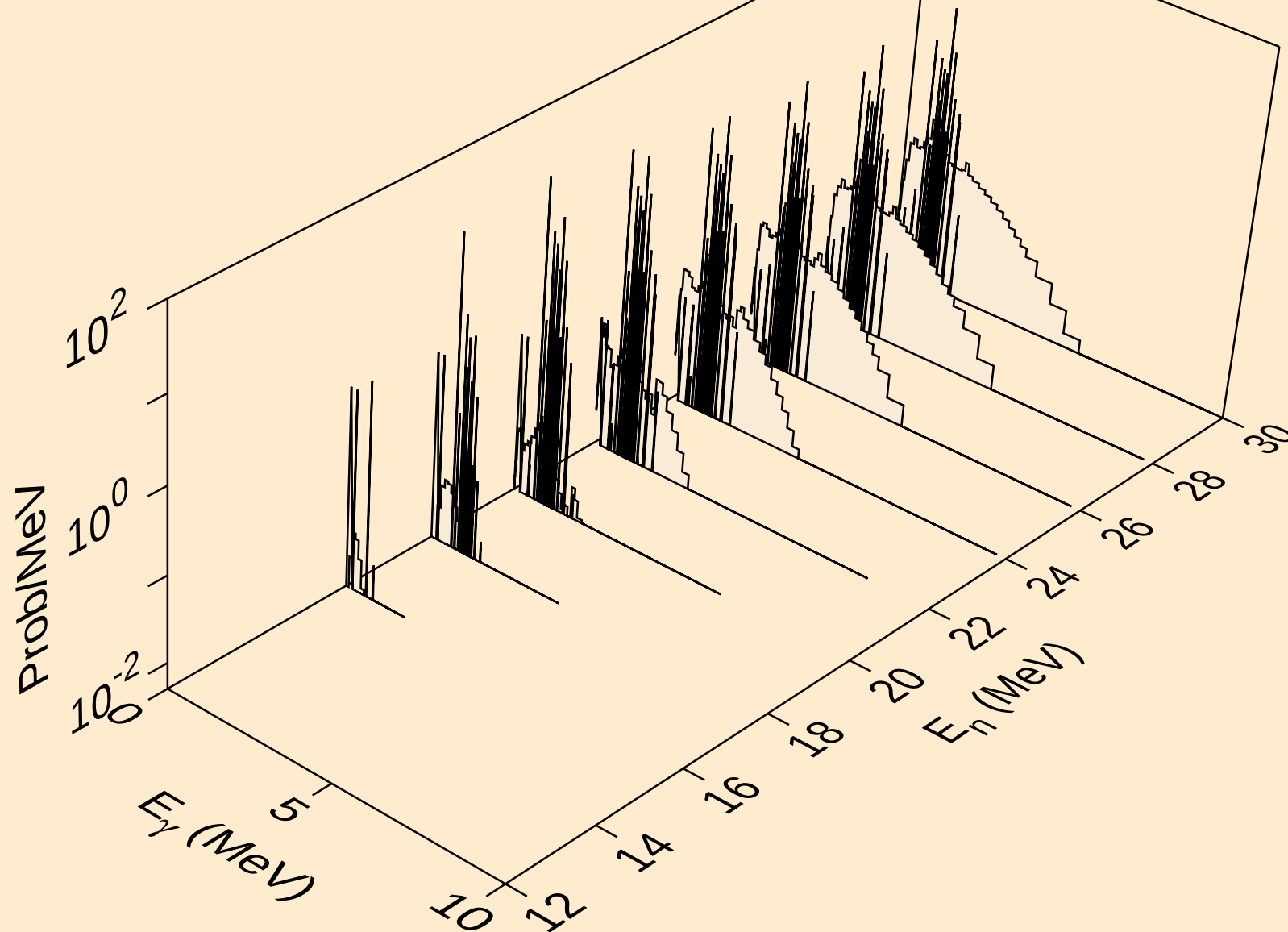
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)d



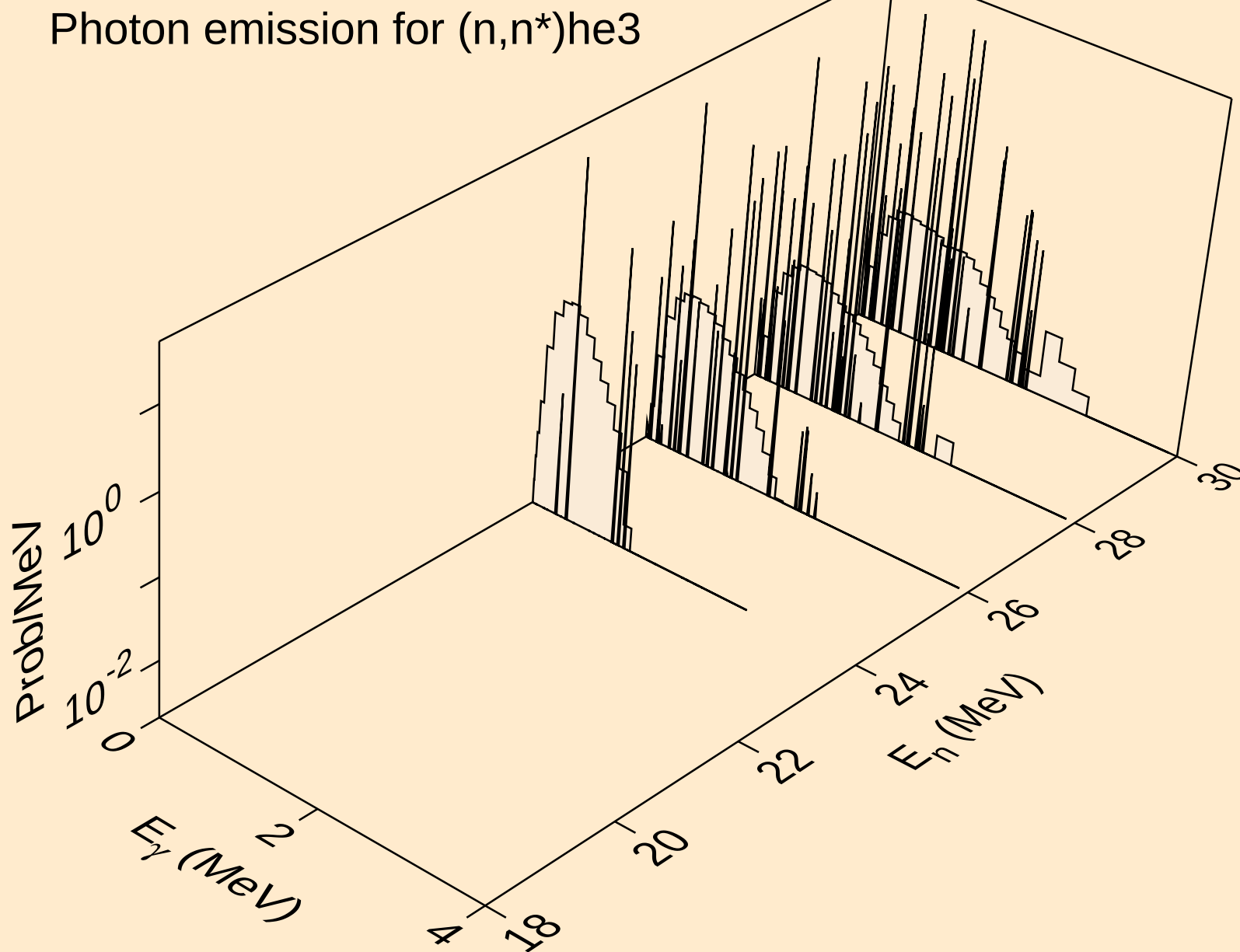
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)t

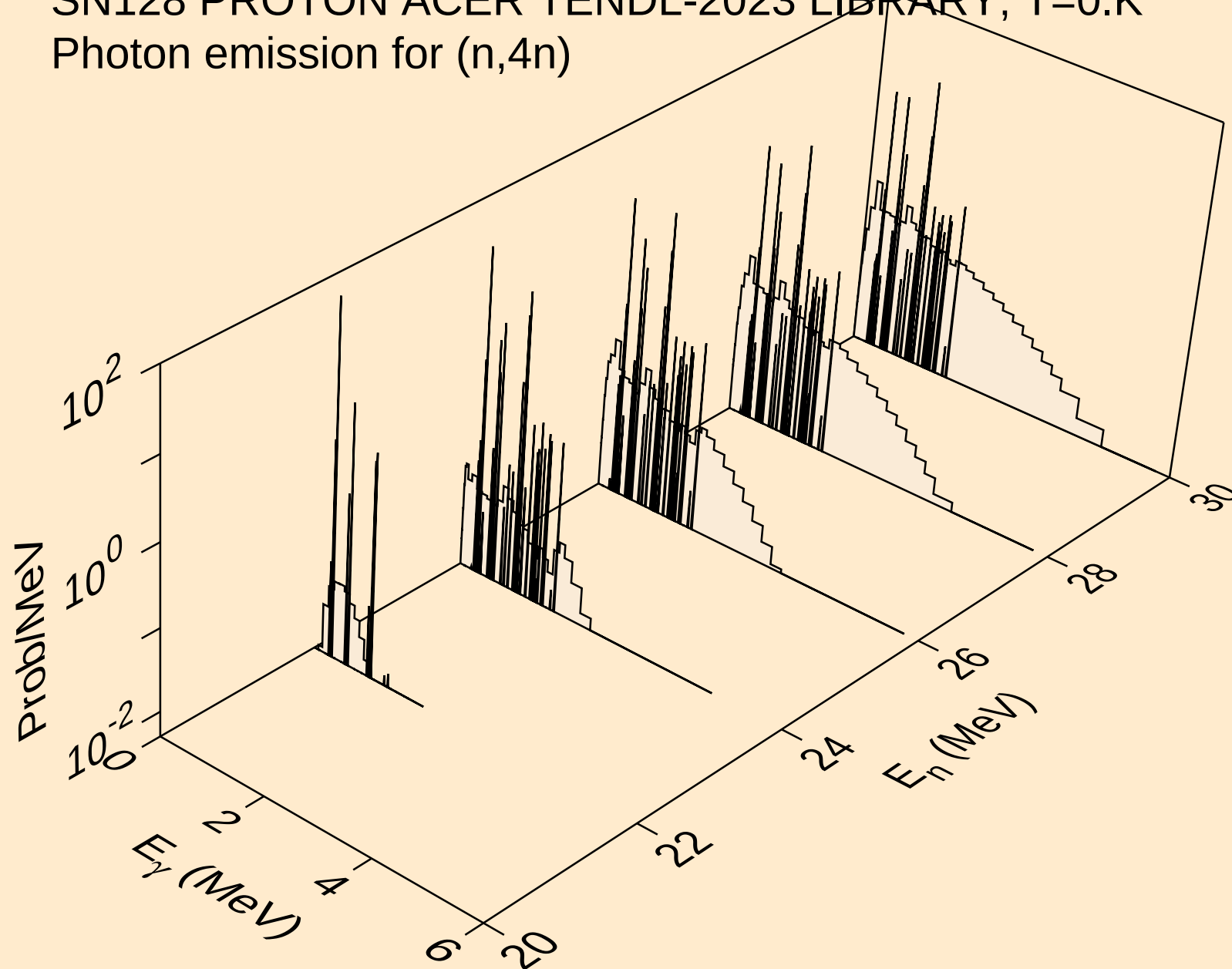


SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K

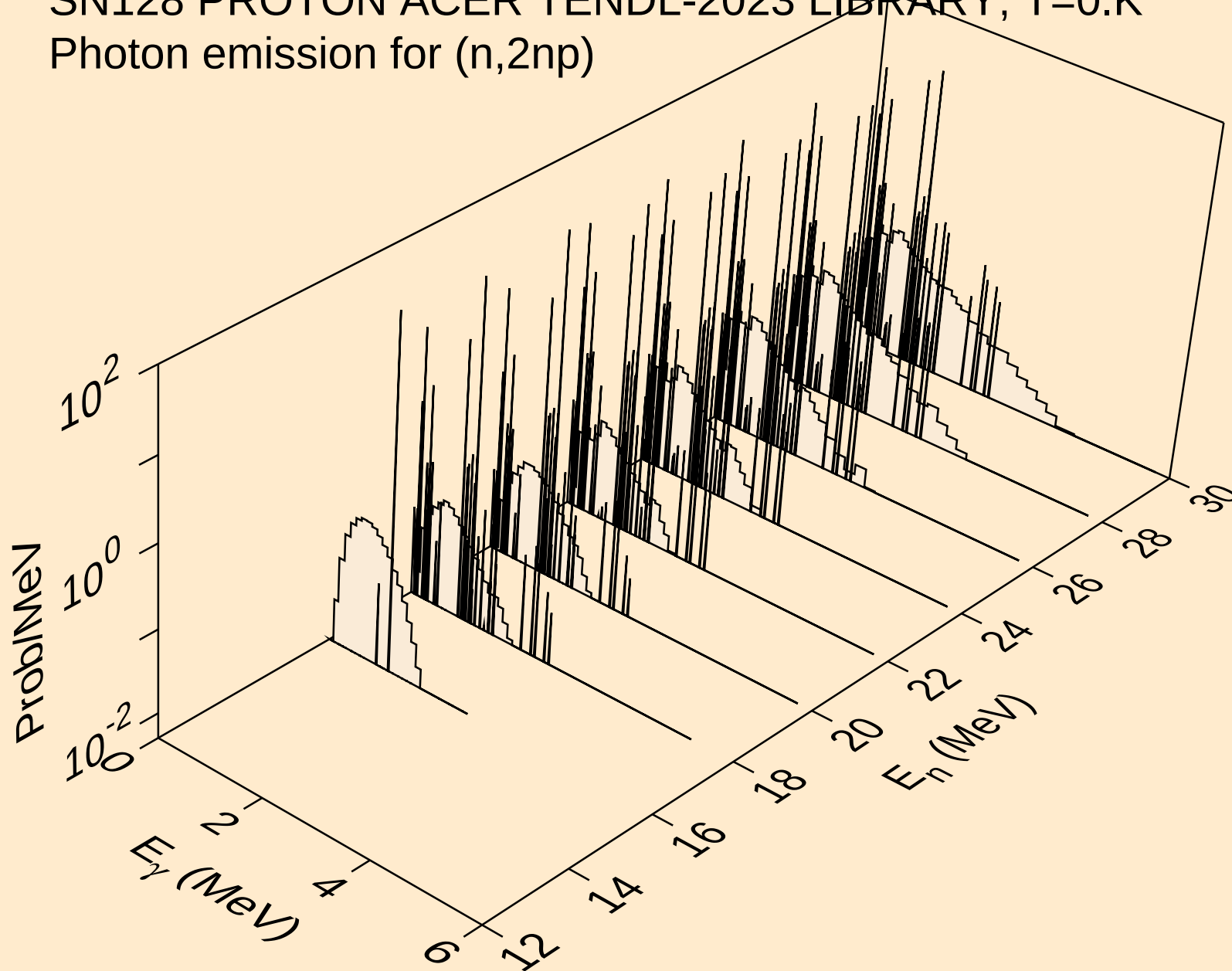
Photon emission for (n,n\*)he3



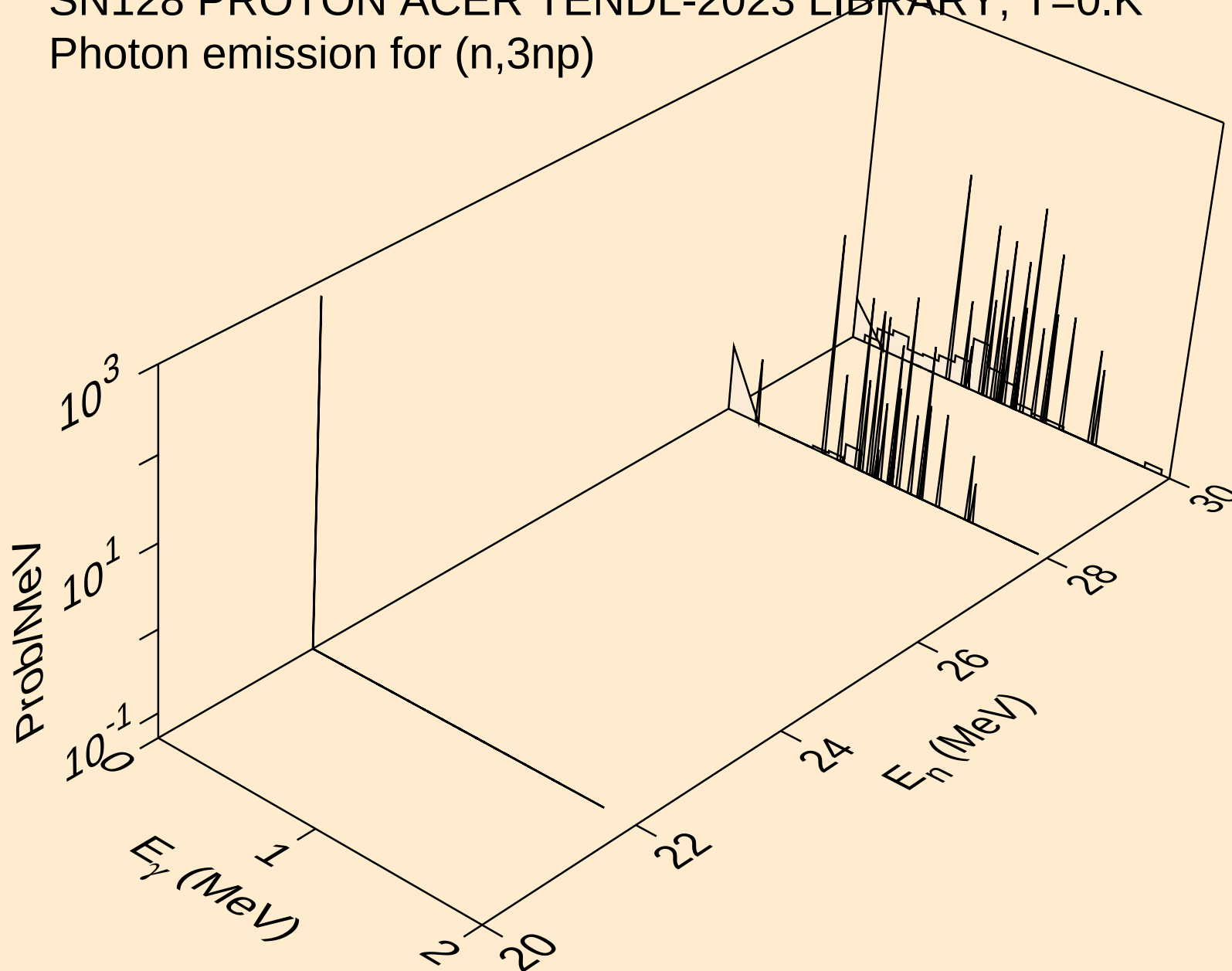
SN128 PROTON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,4n)



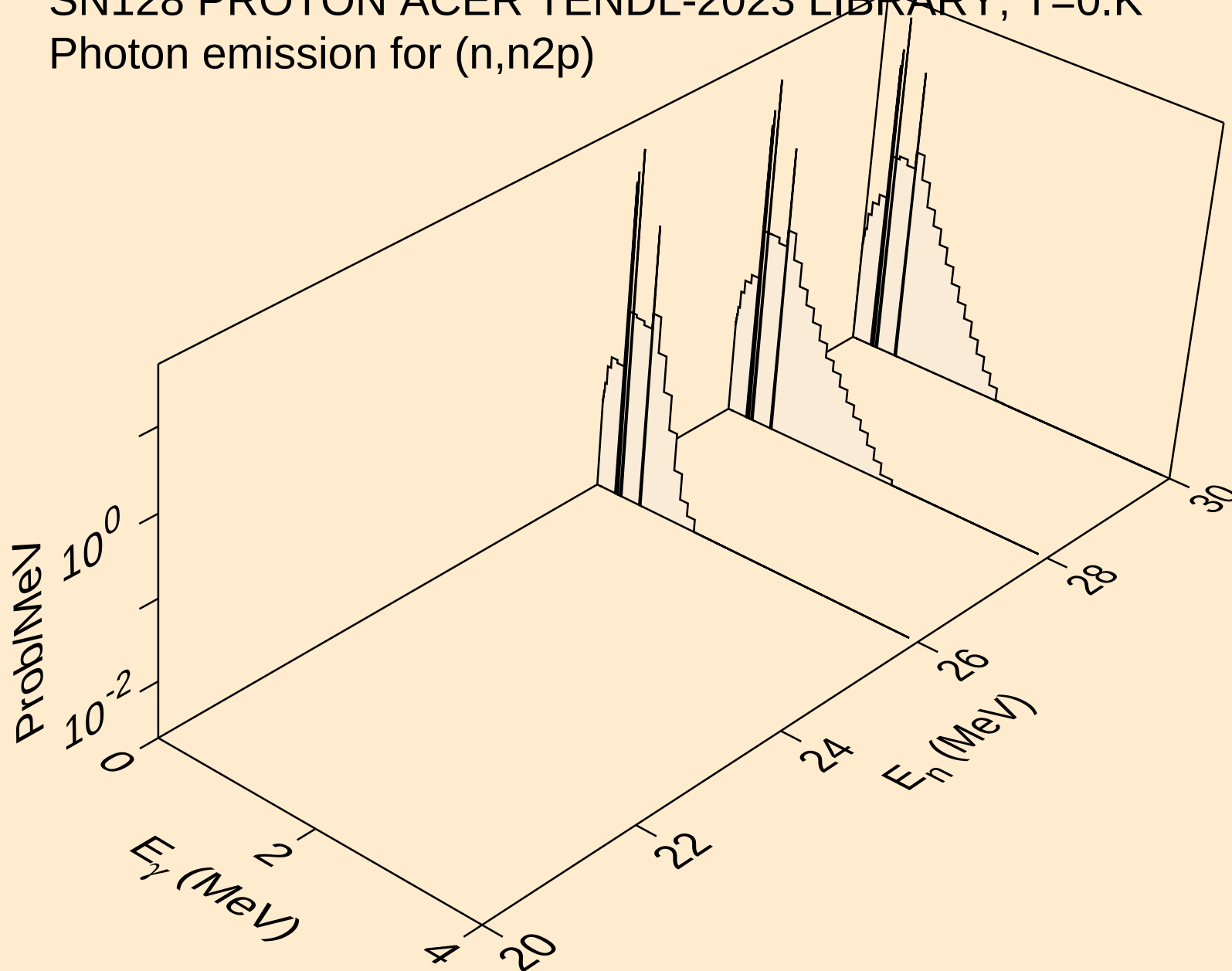
SN128 PROTON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,2np)



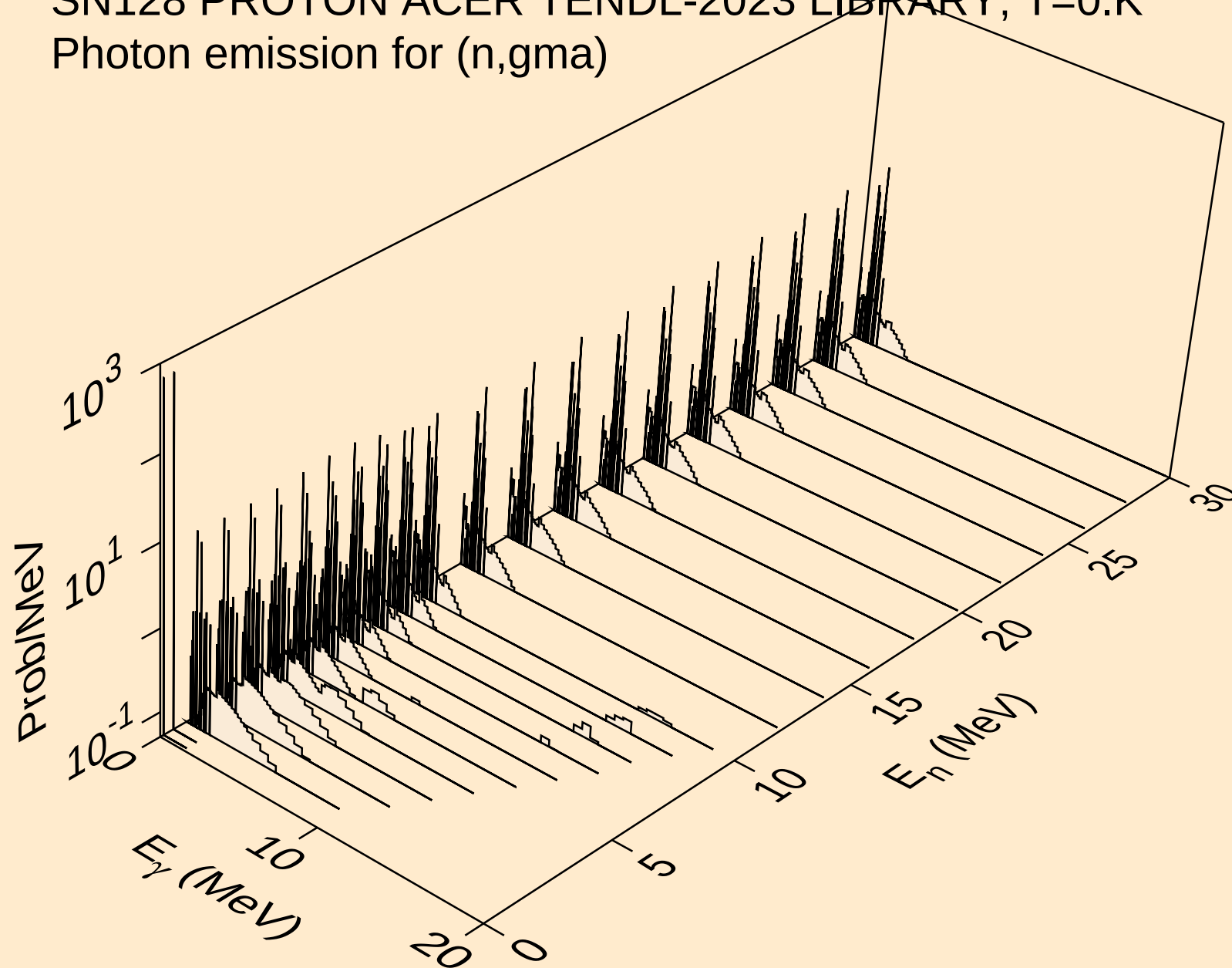
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Photon emission for (n,3np)



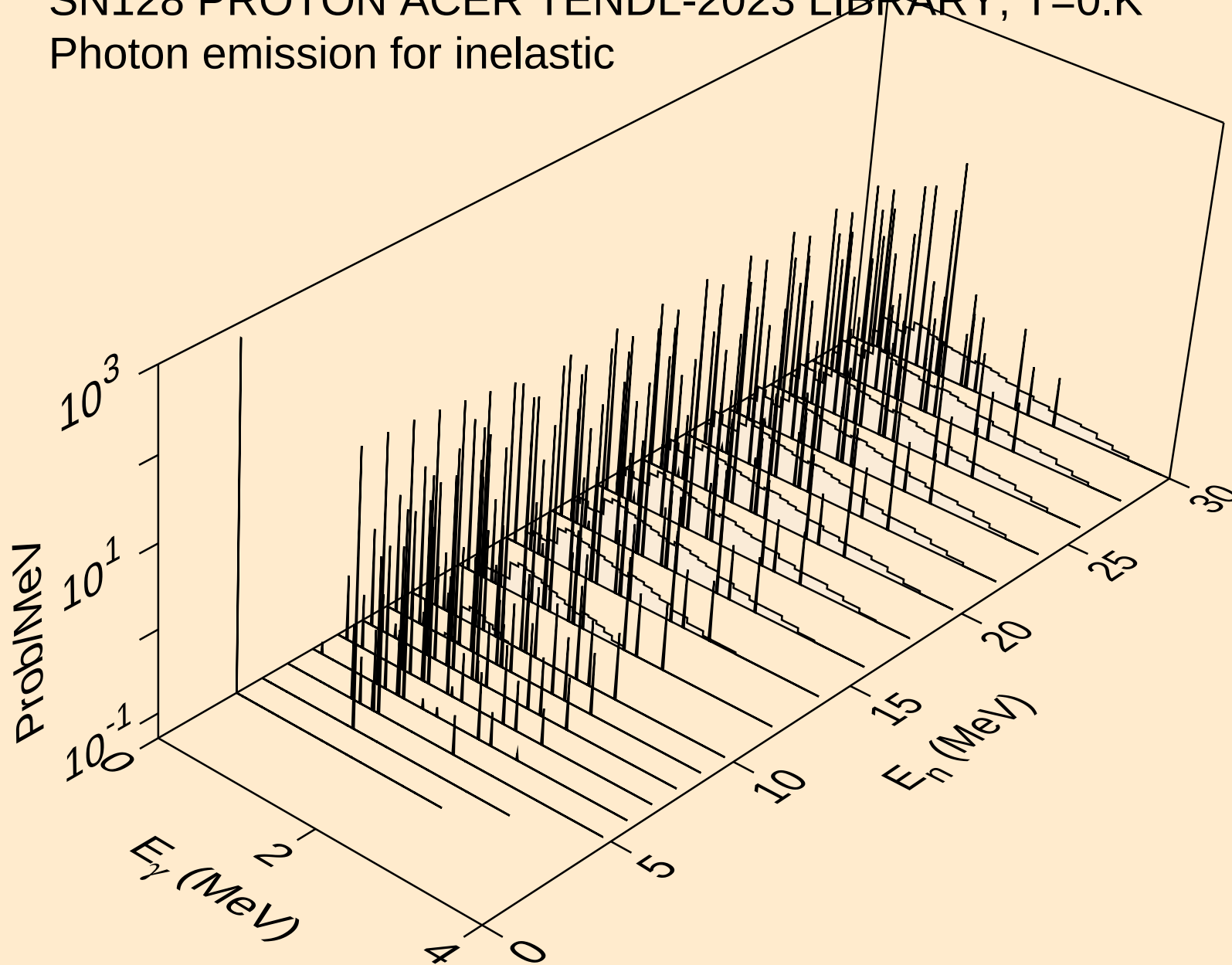
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



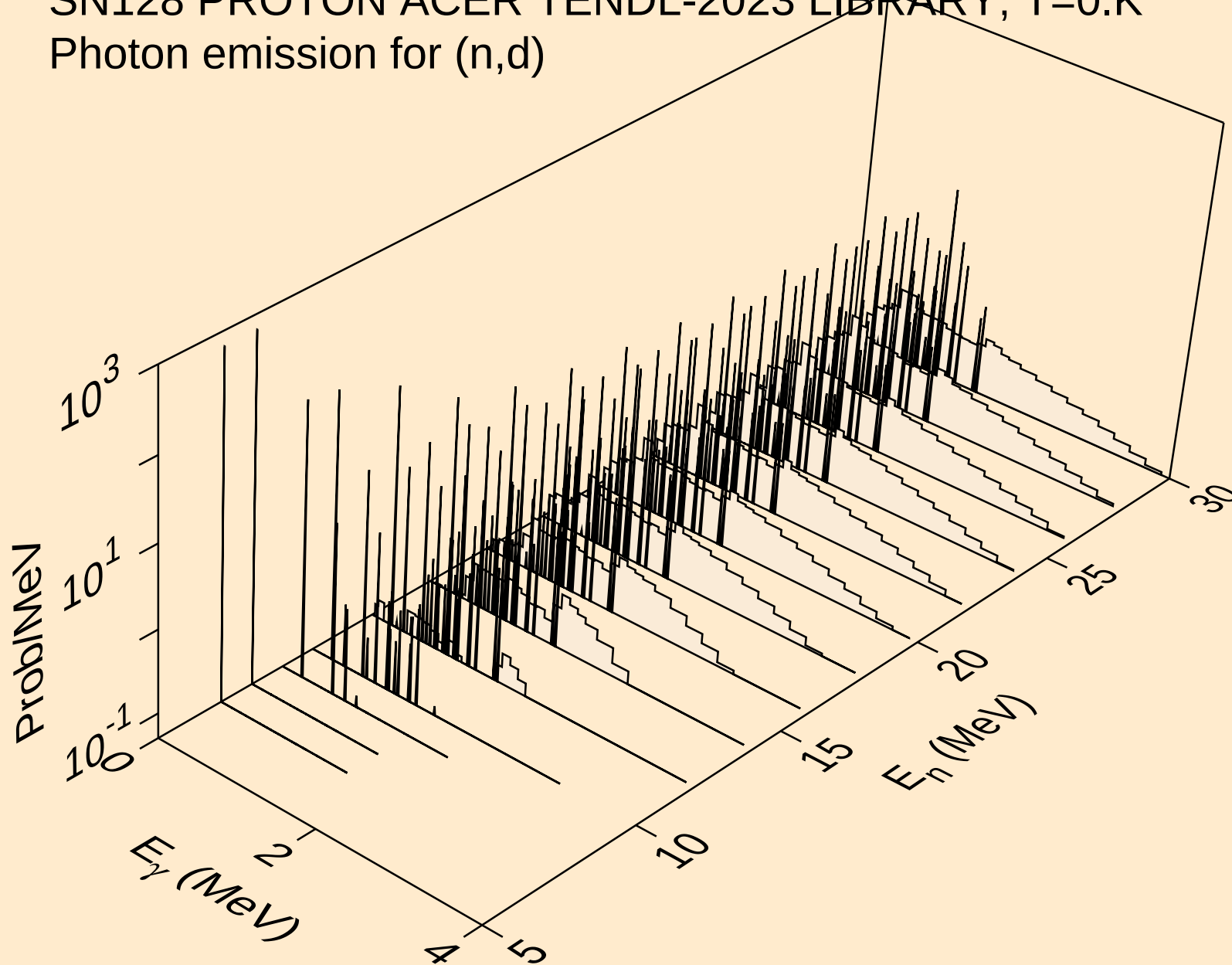
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



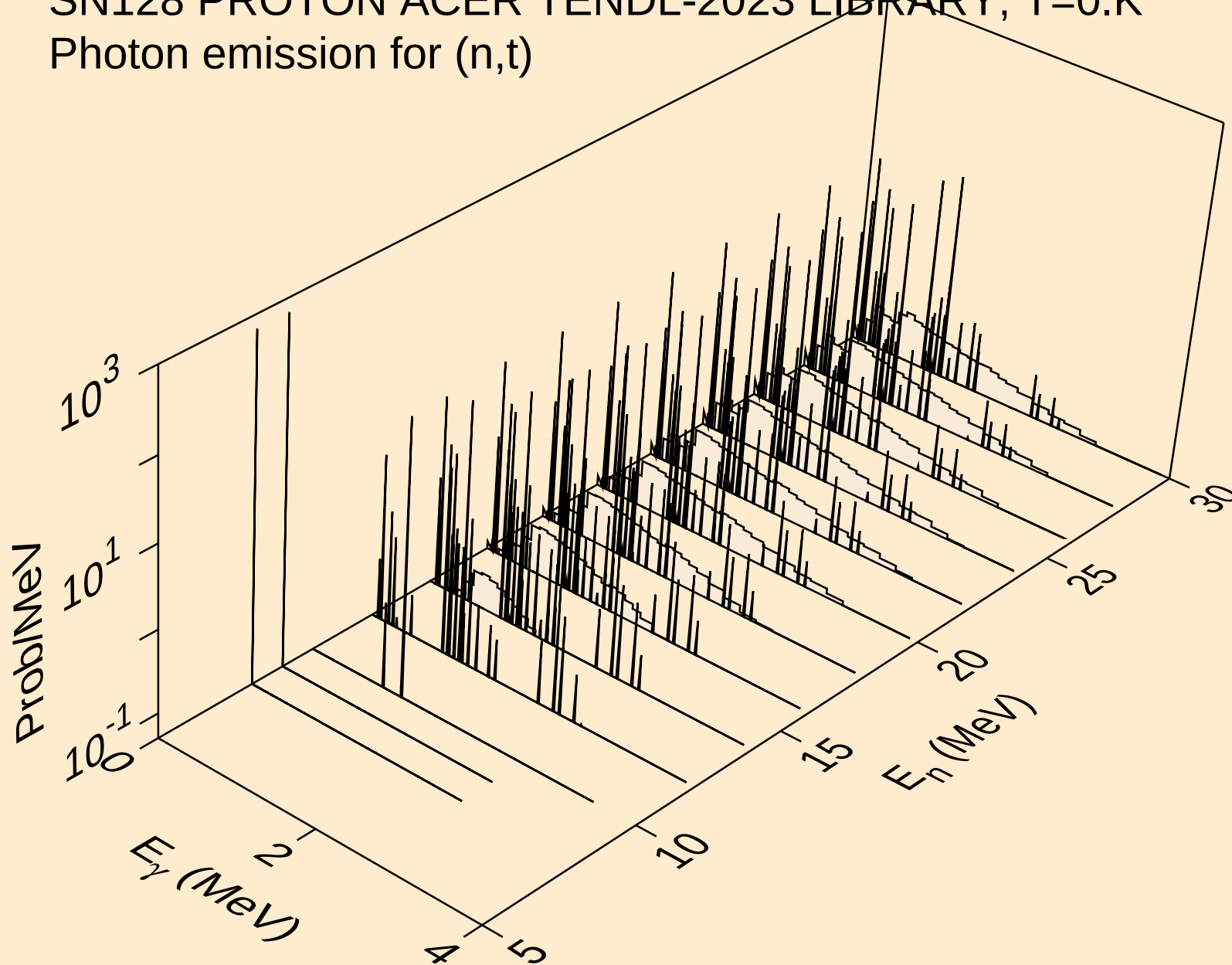
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



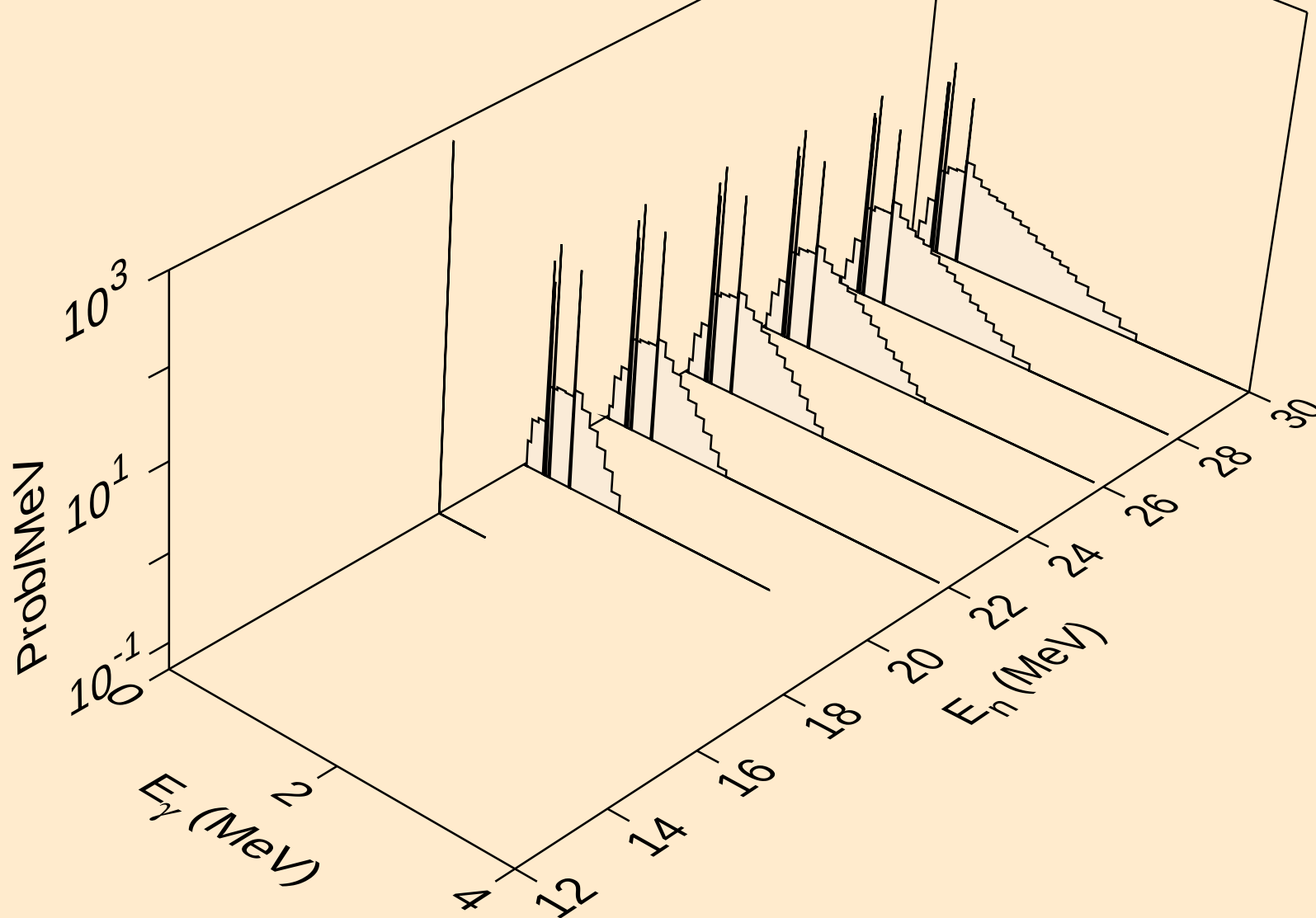
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



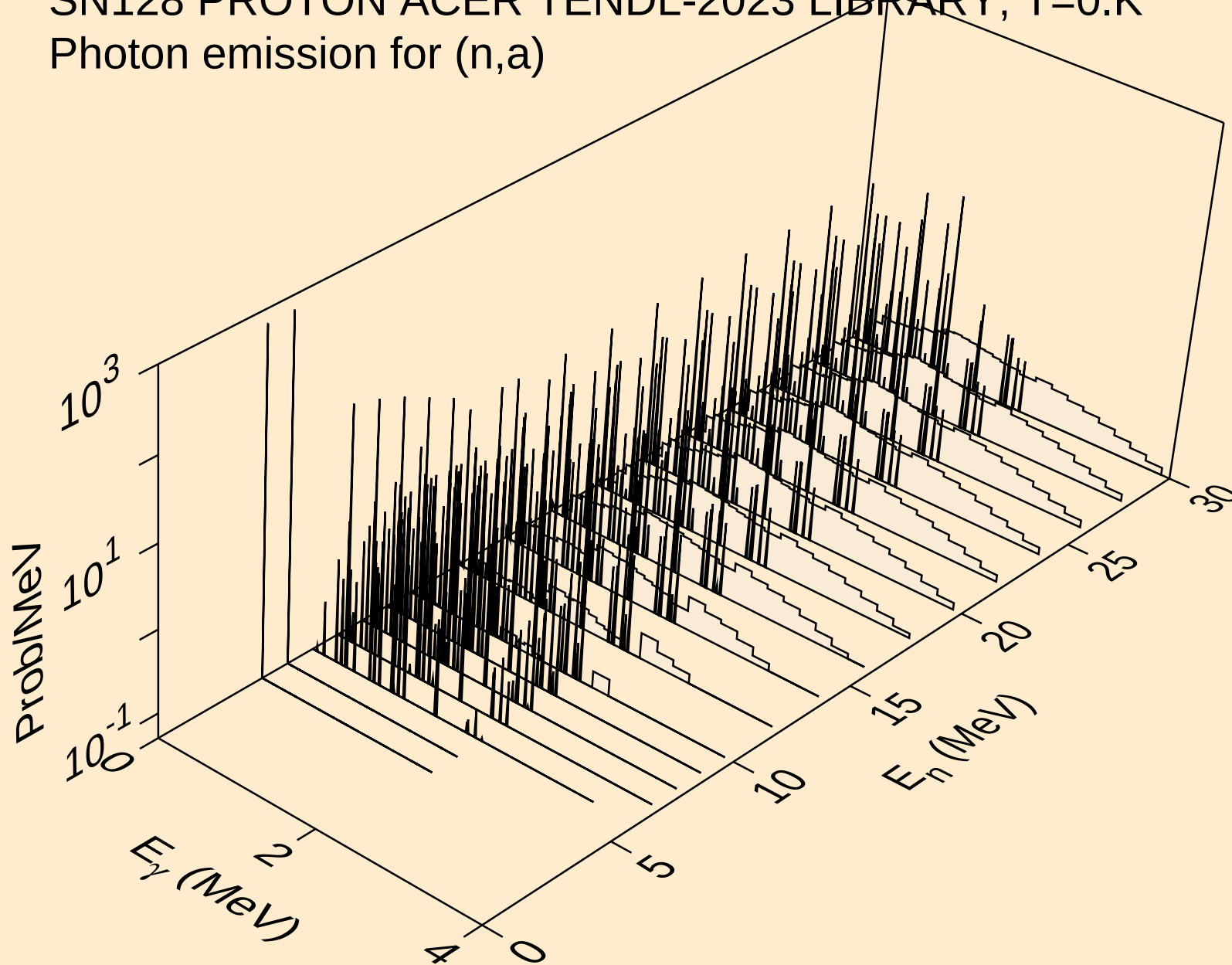
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



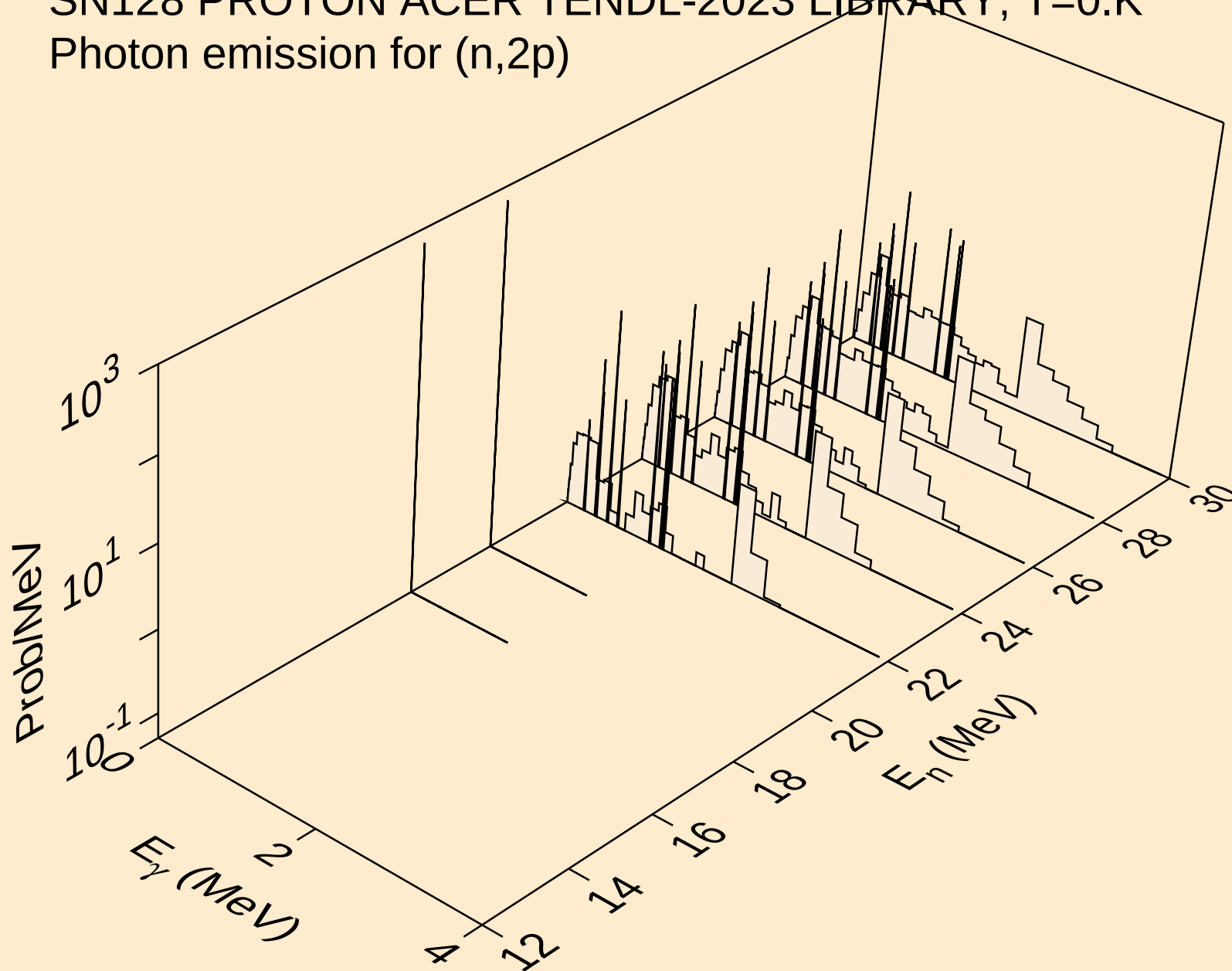
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

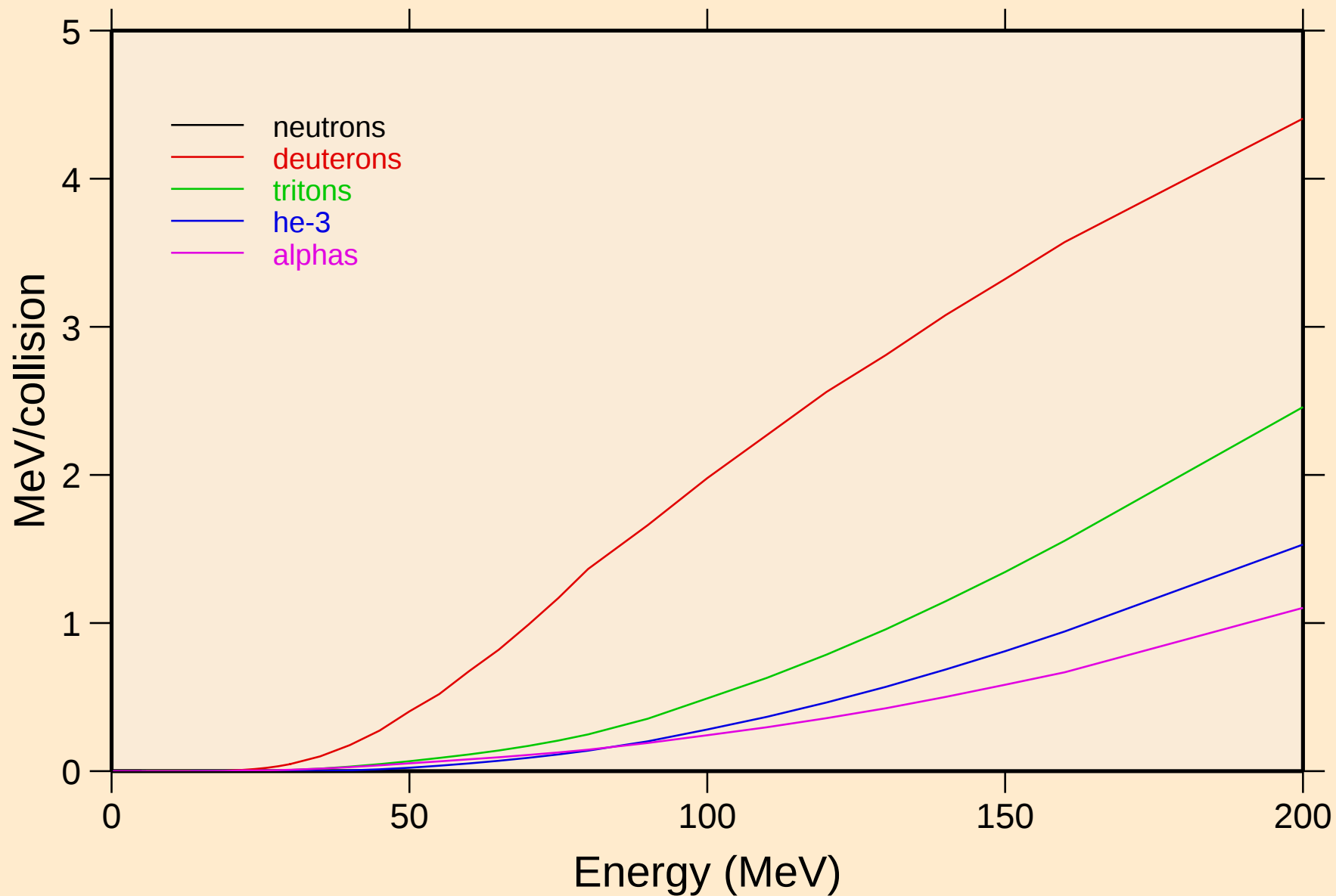


SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



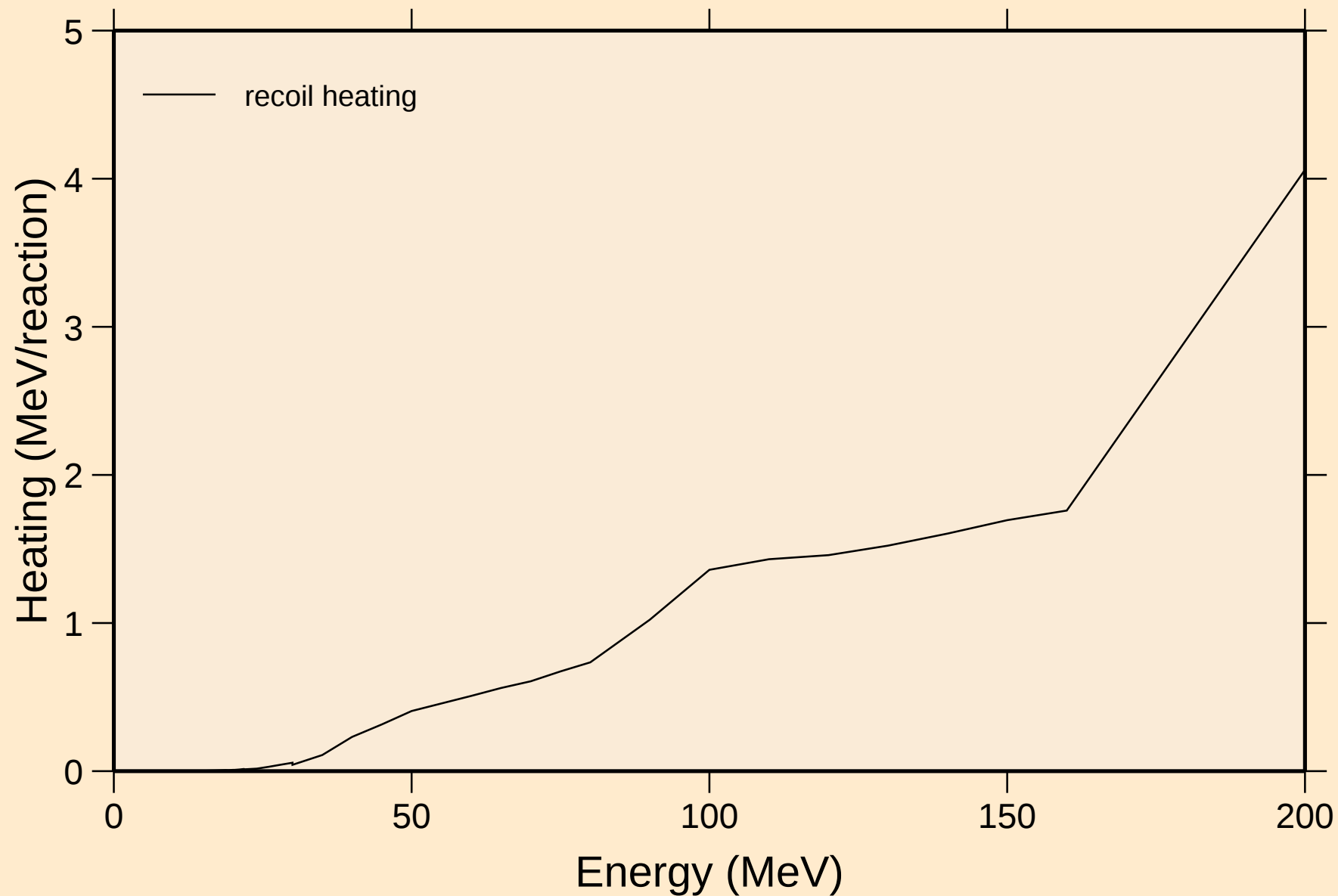
# SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions



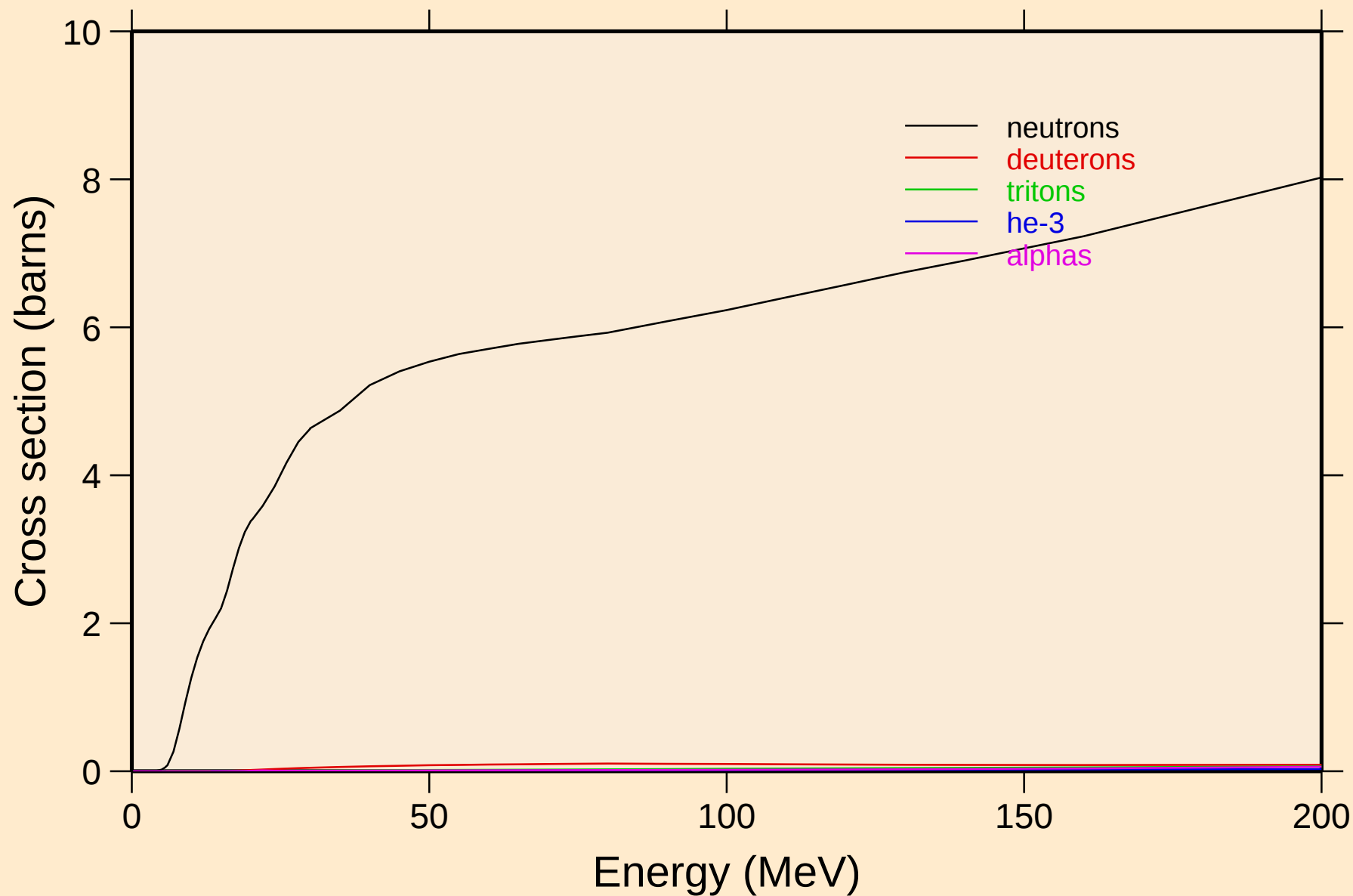
# SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Recoil Heating

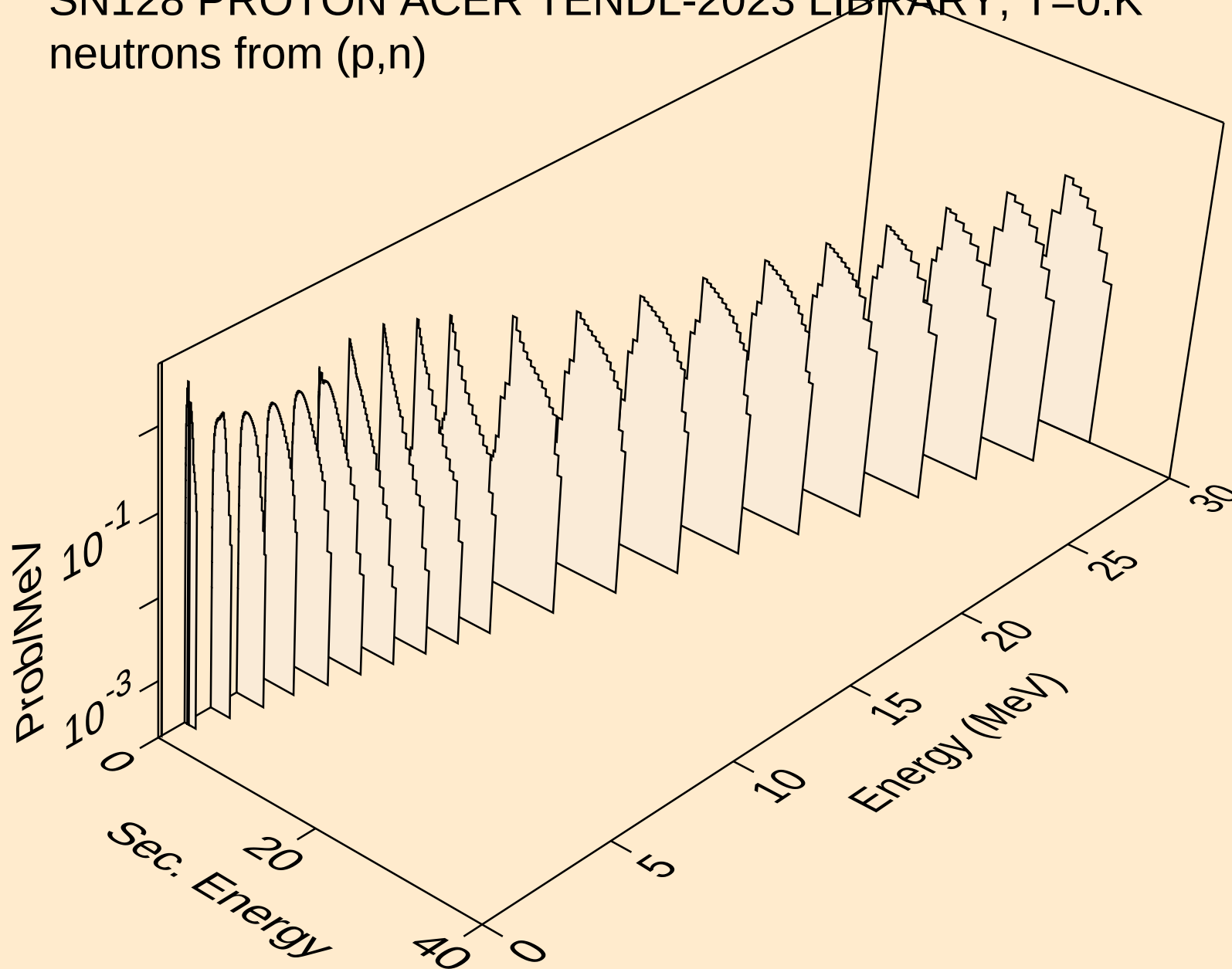


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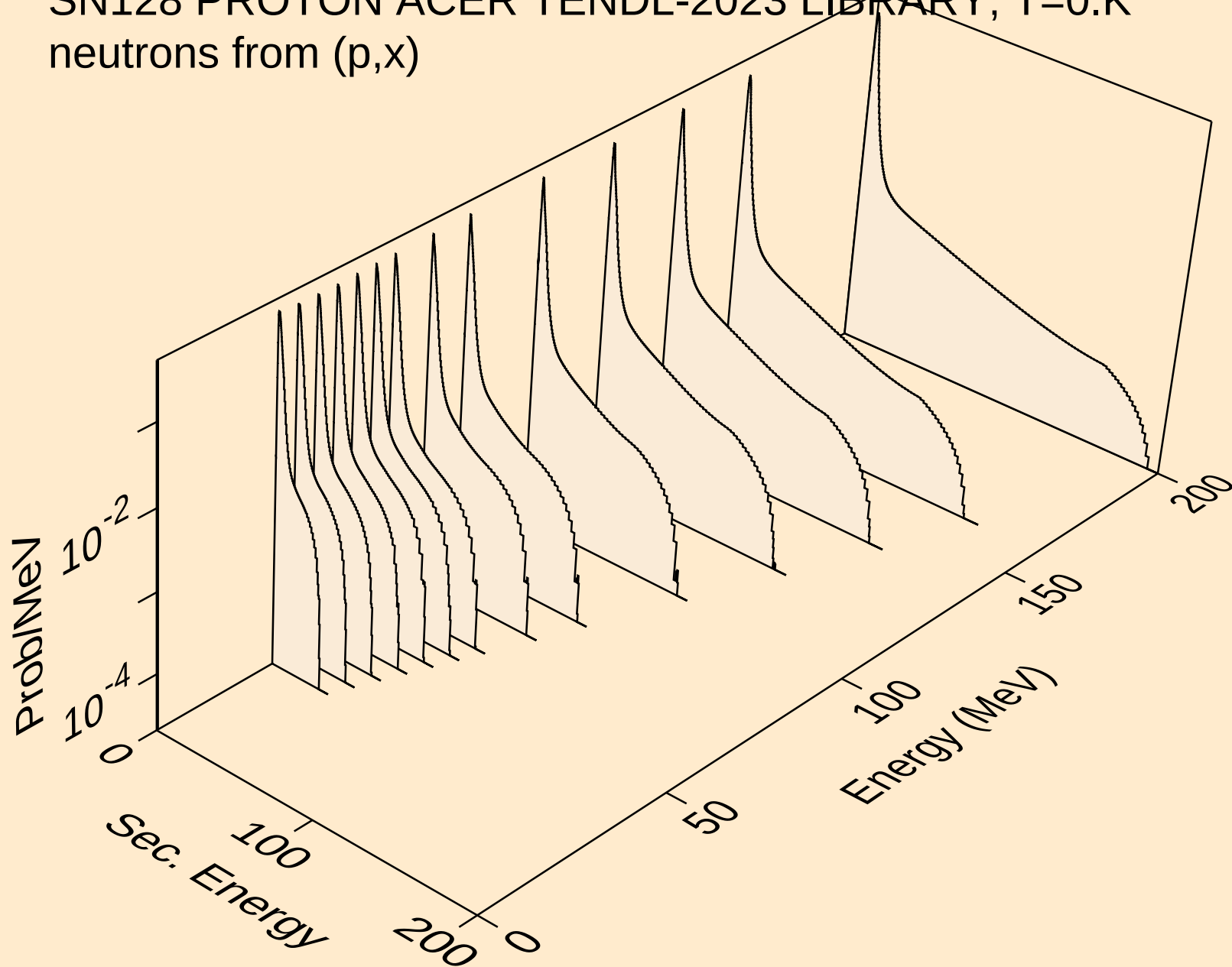
## Particle production cross sections



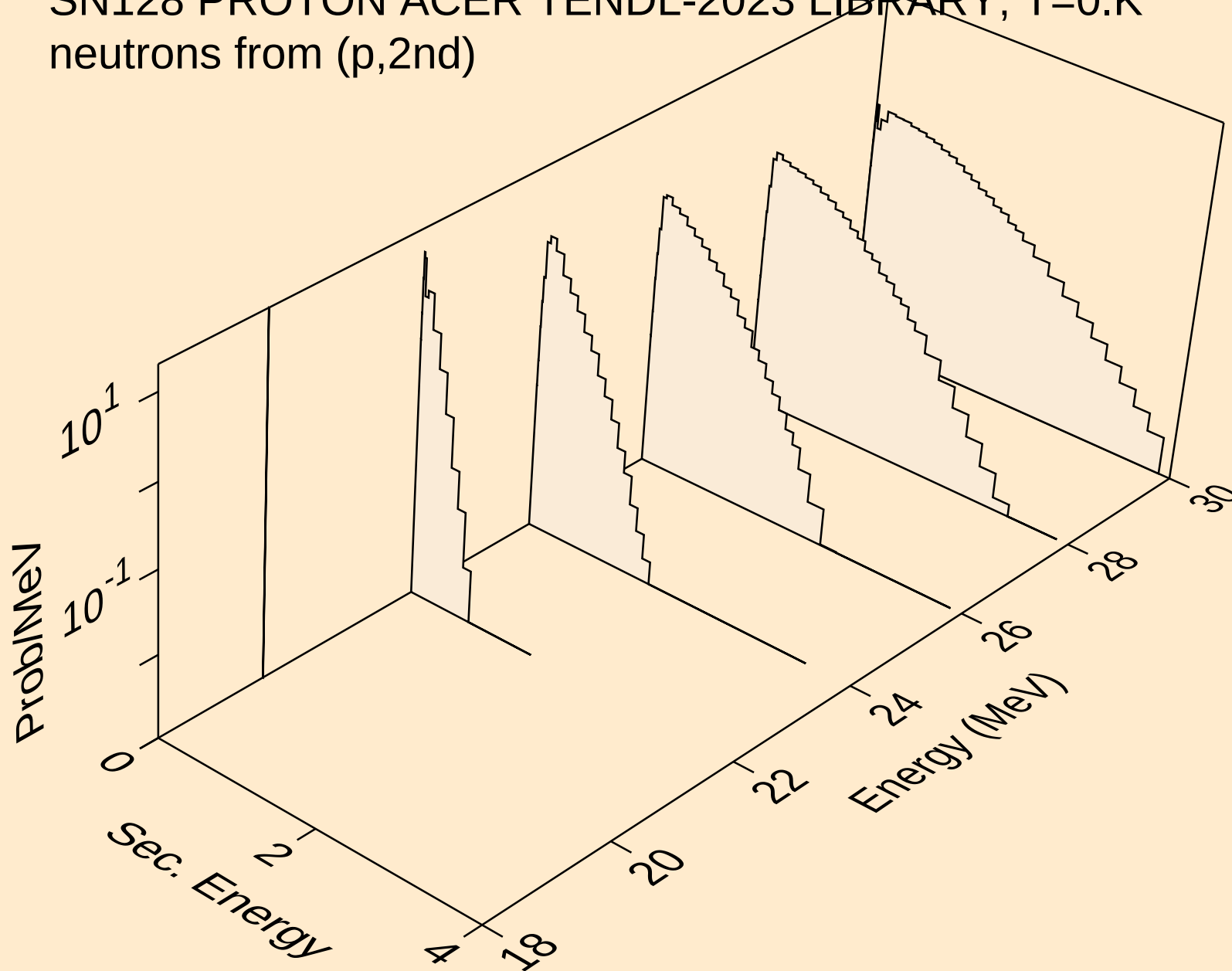
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)



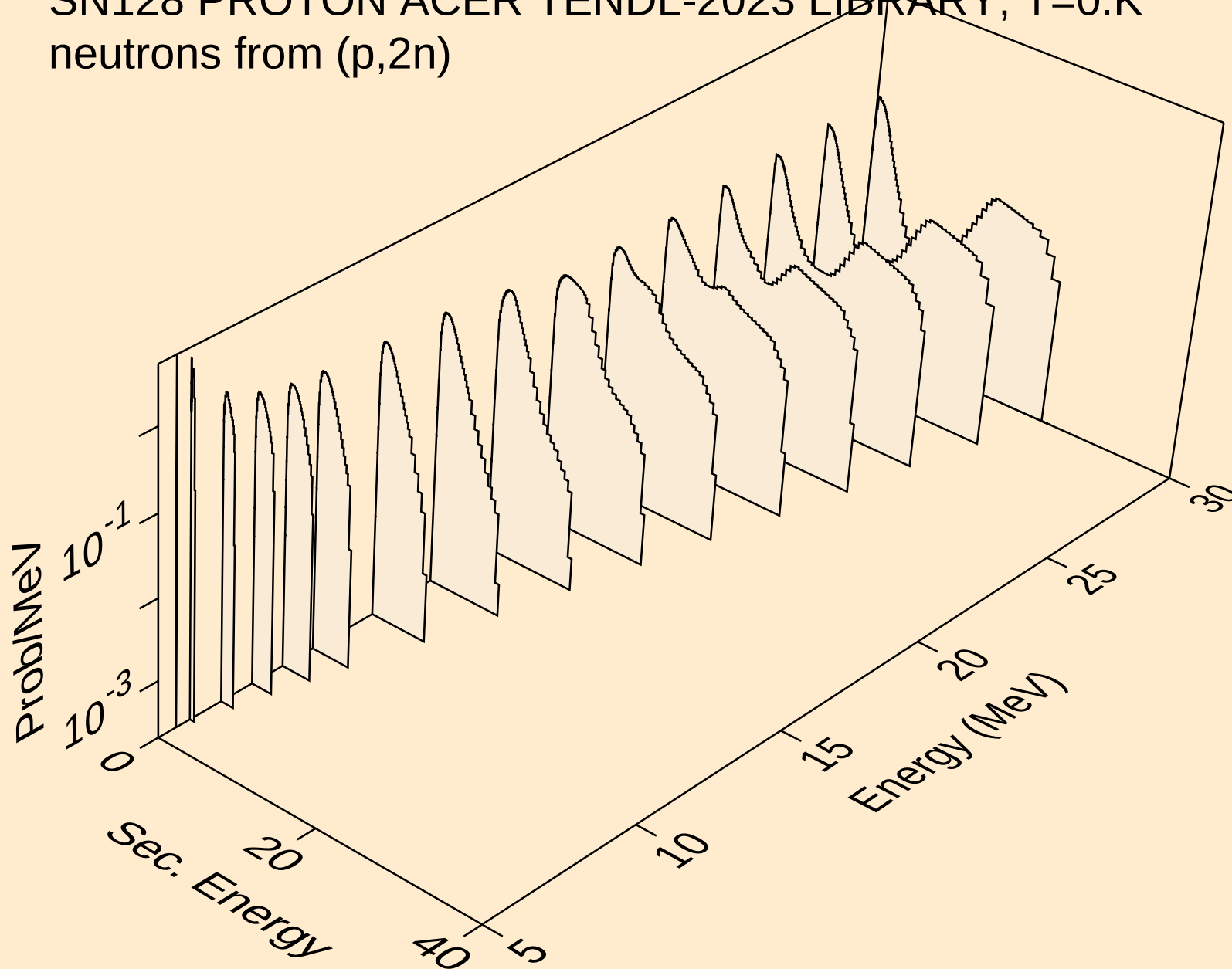
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,x)



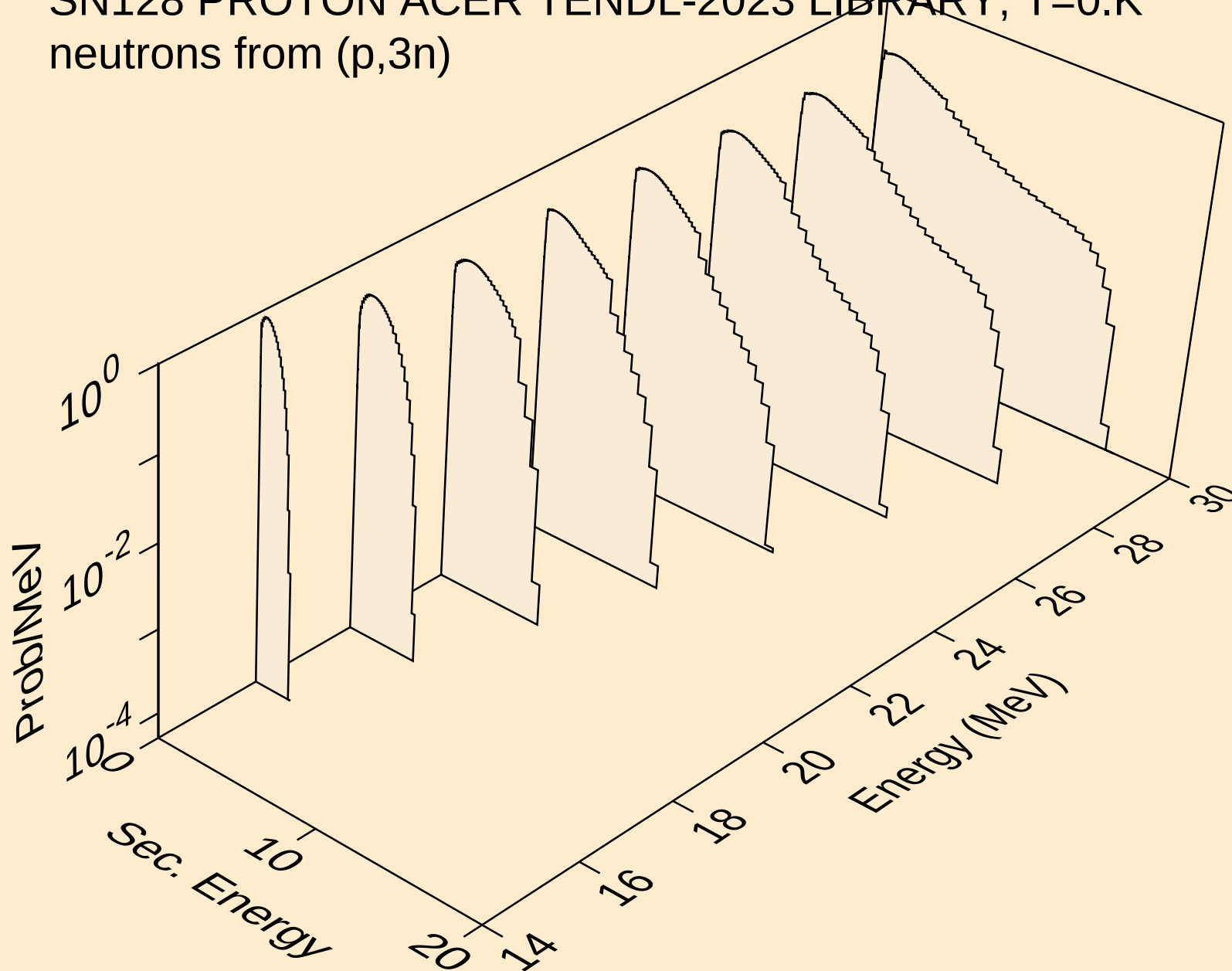
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2nd)



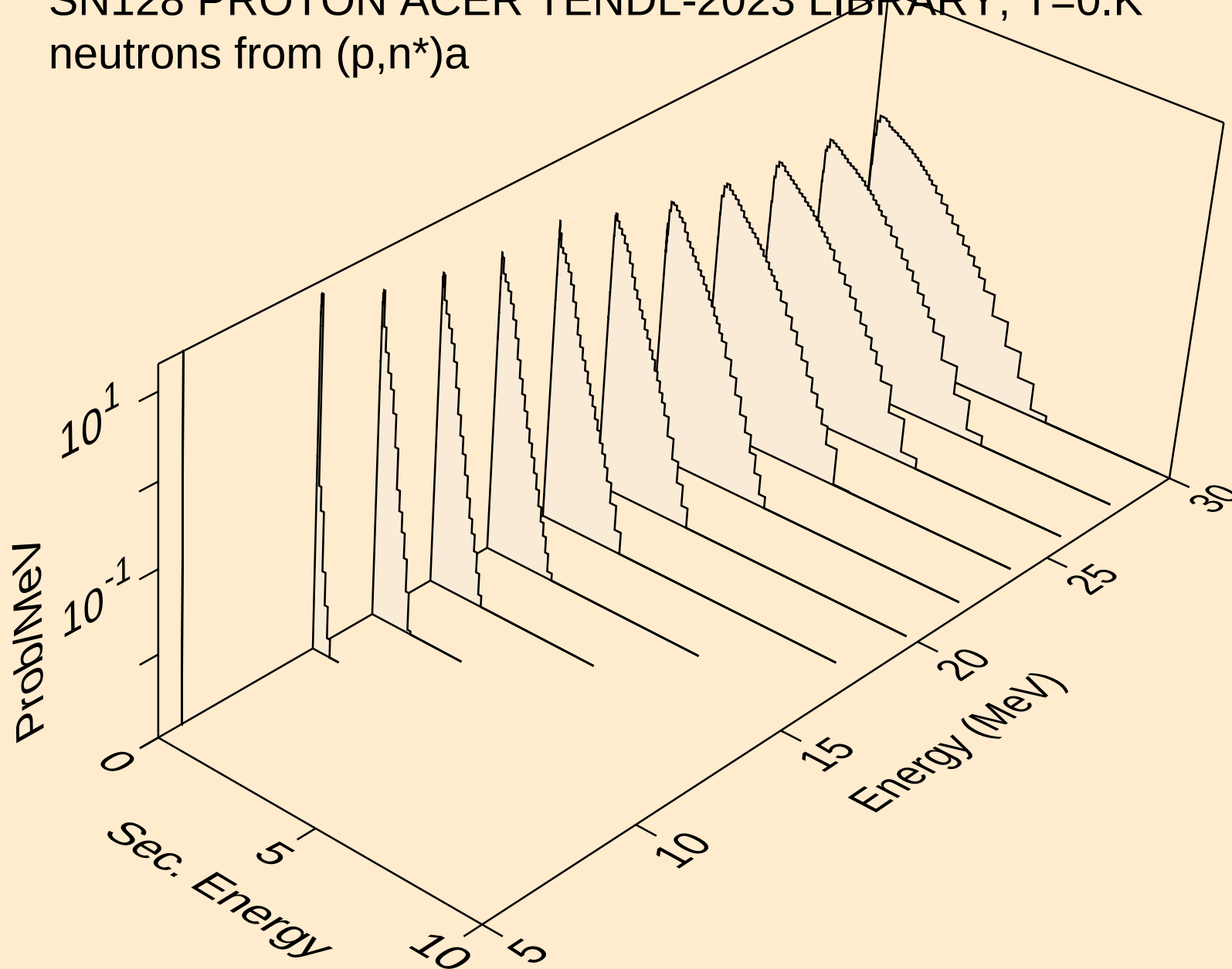
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)



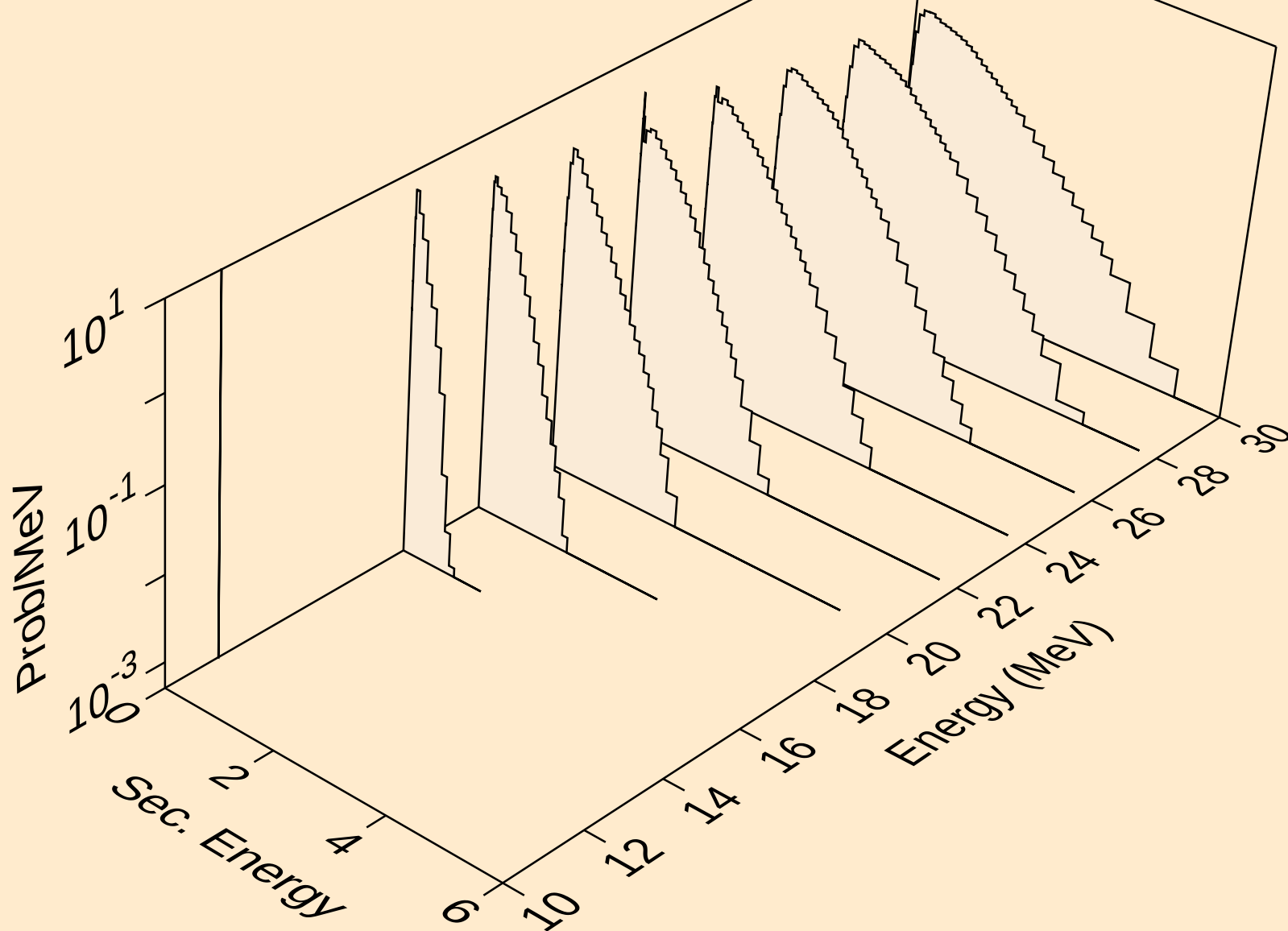
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3n)



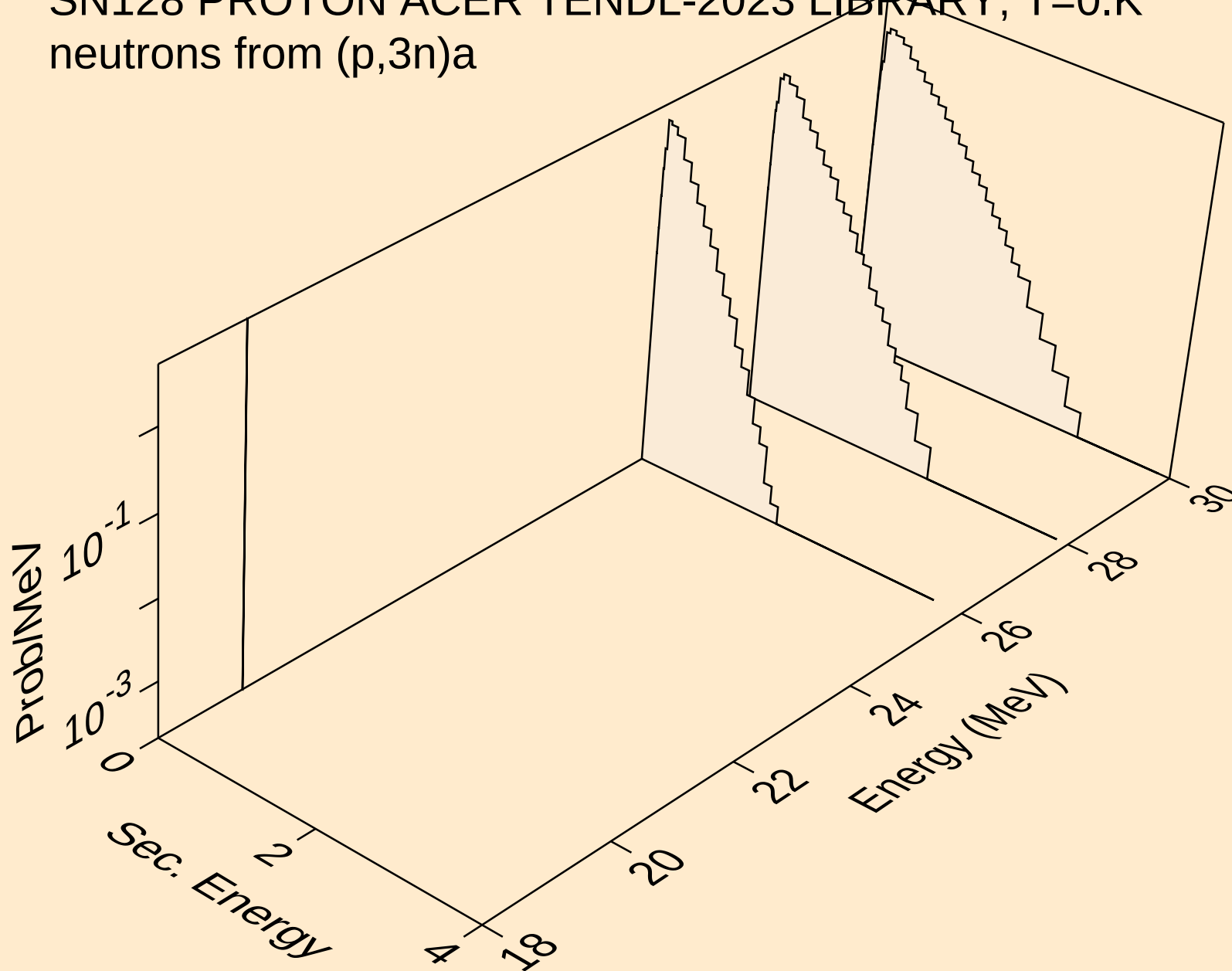
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)a



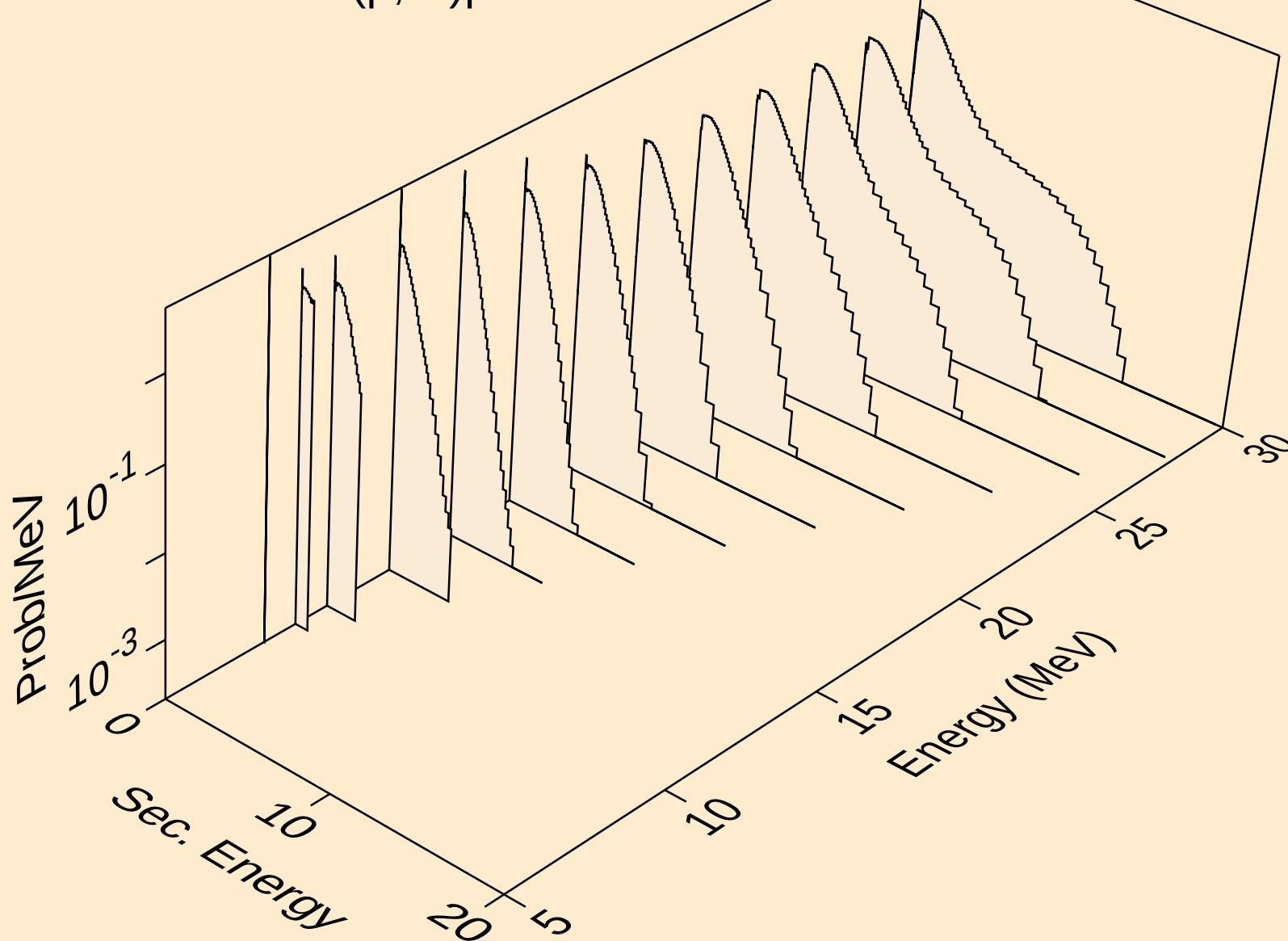
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neutrons from (p,2n)a



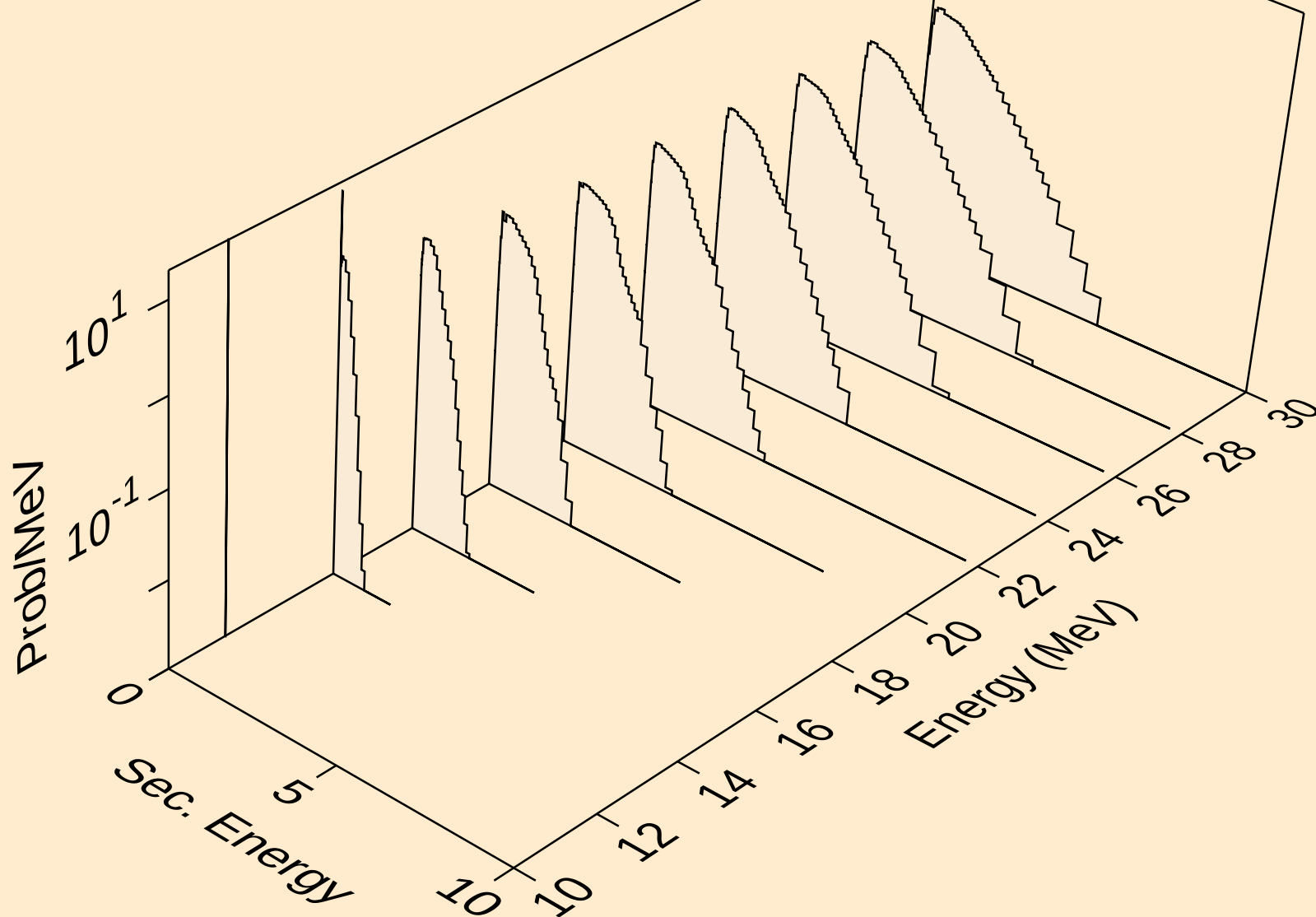
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neutrons from (p,3n)a



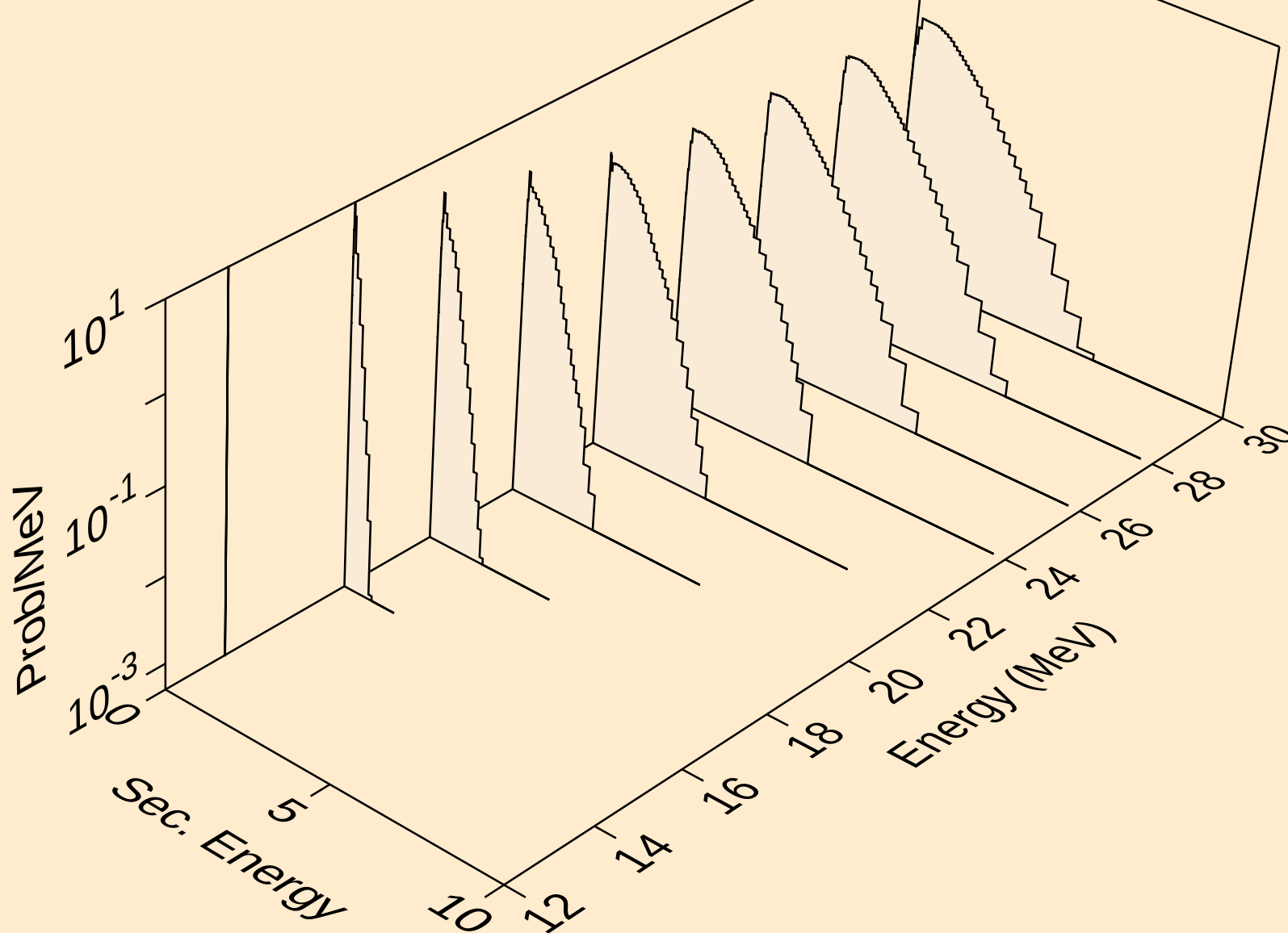
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)p



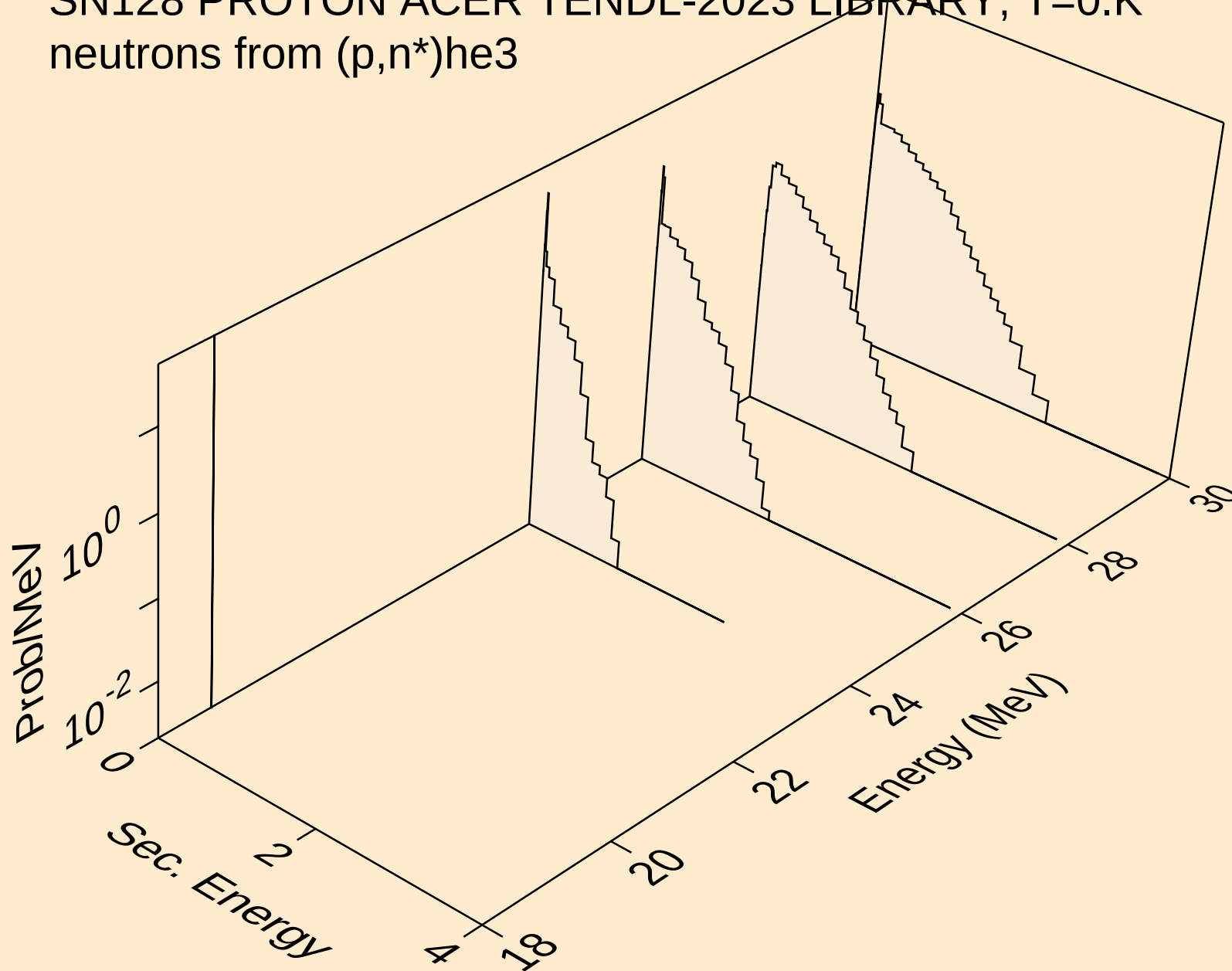
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)d



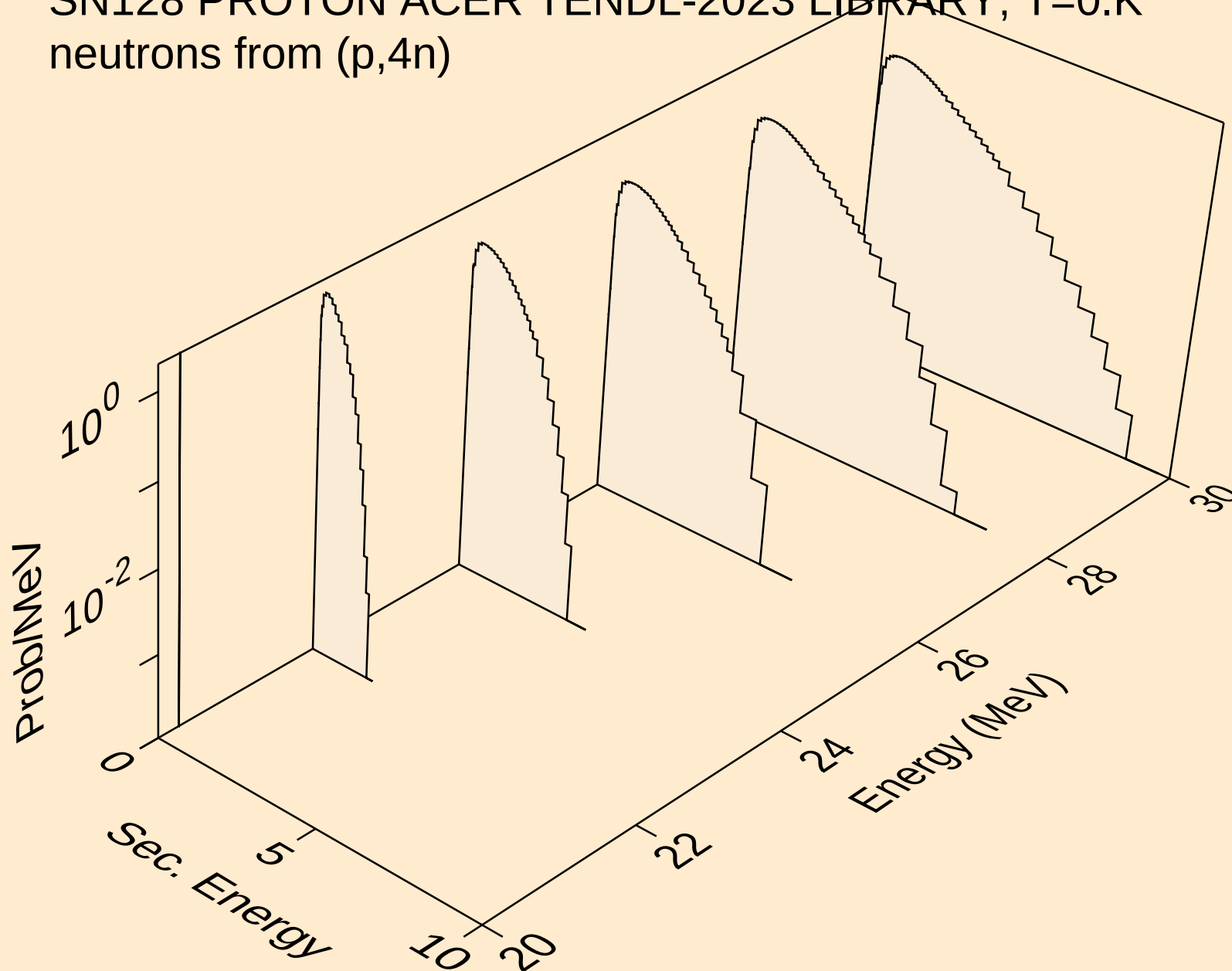
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)t



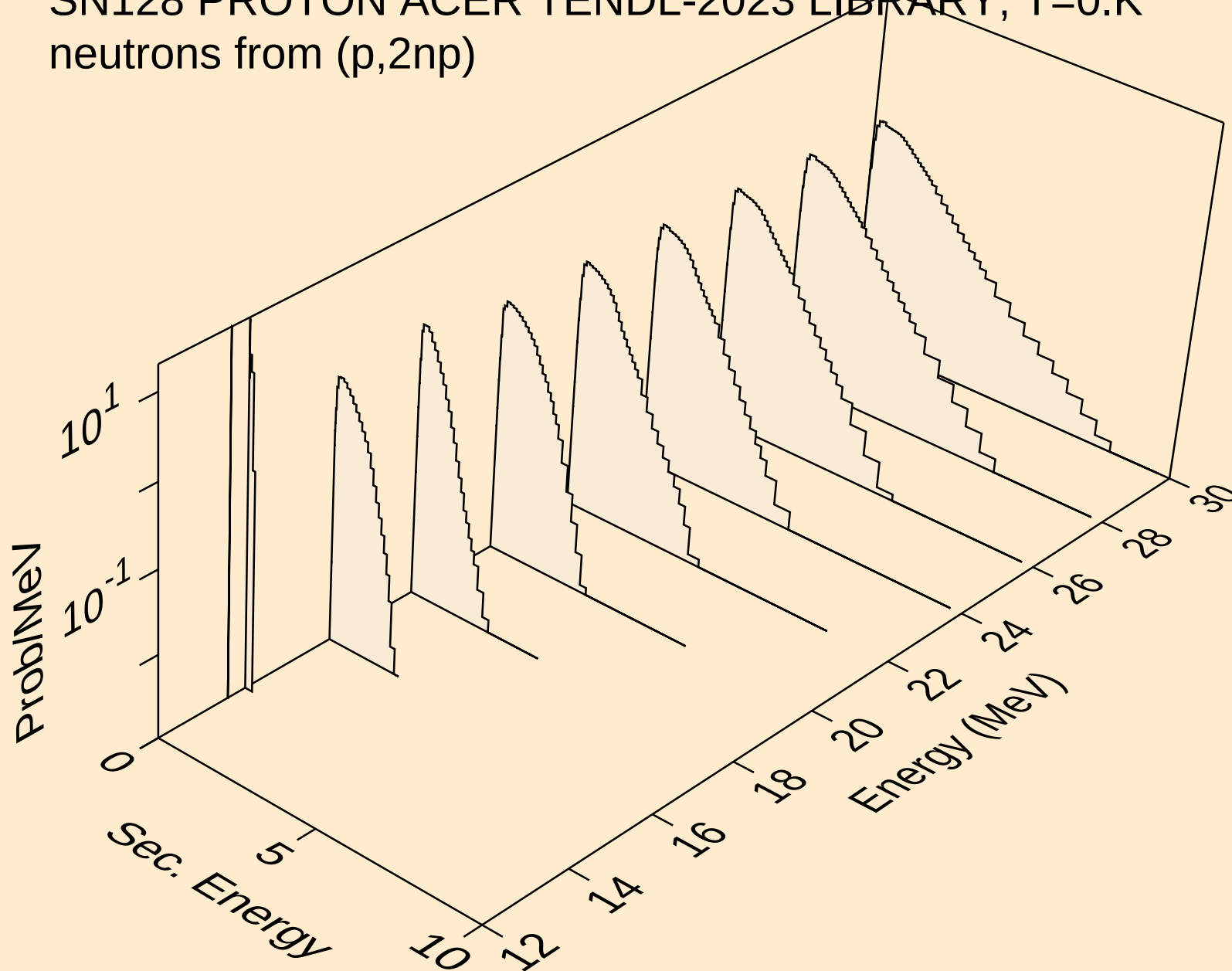
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



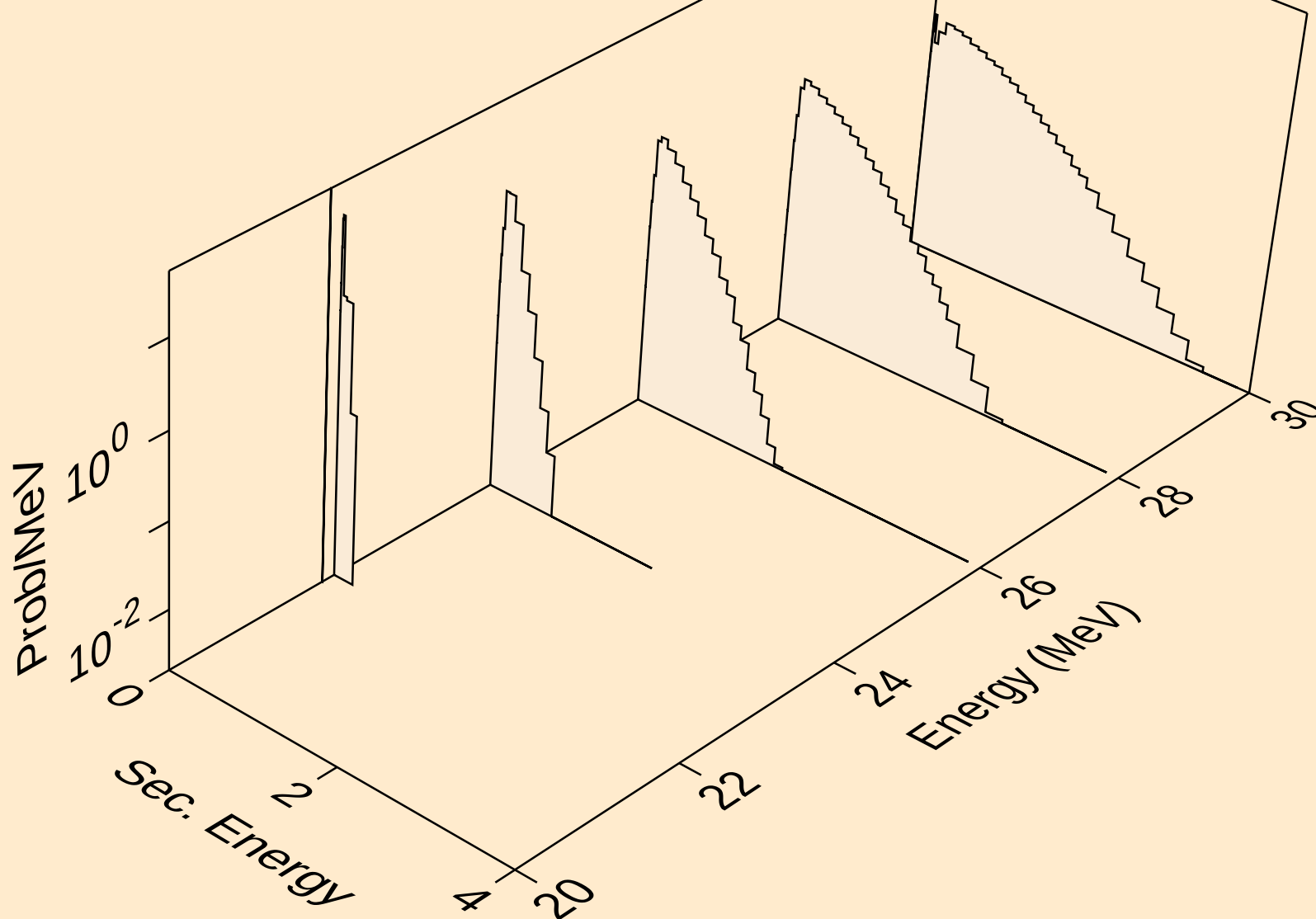
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,4n)



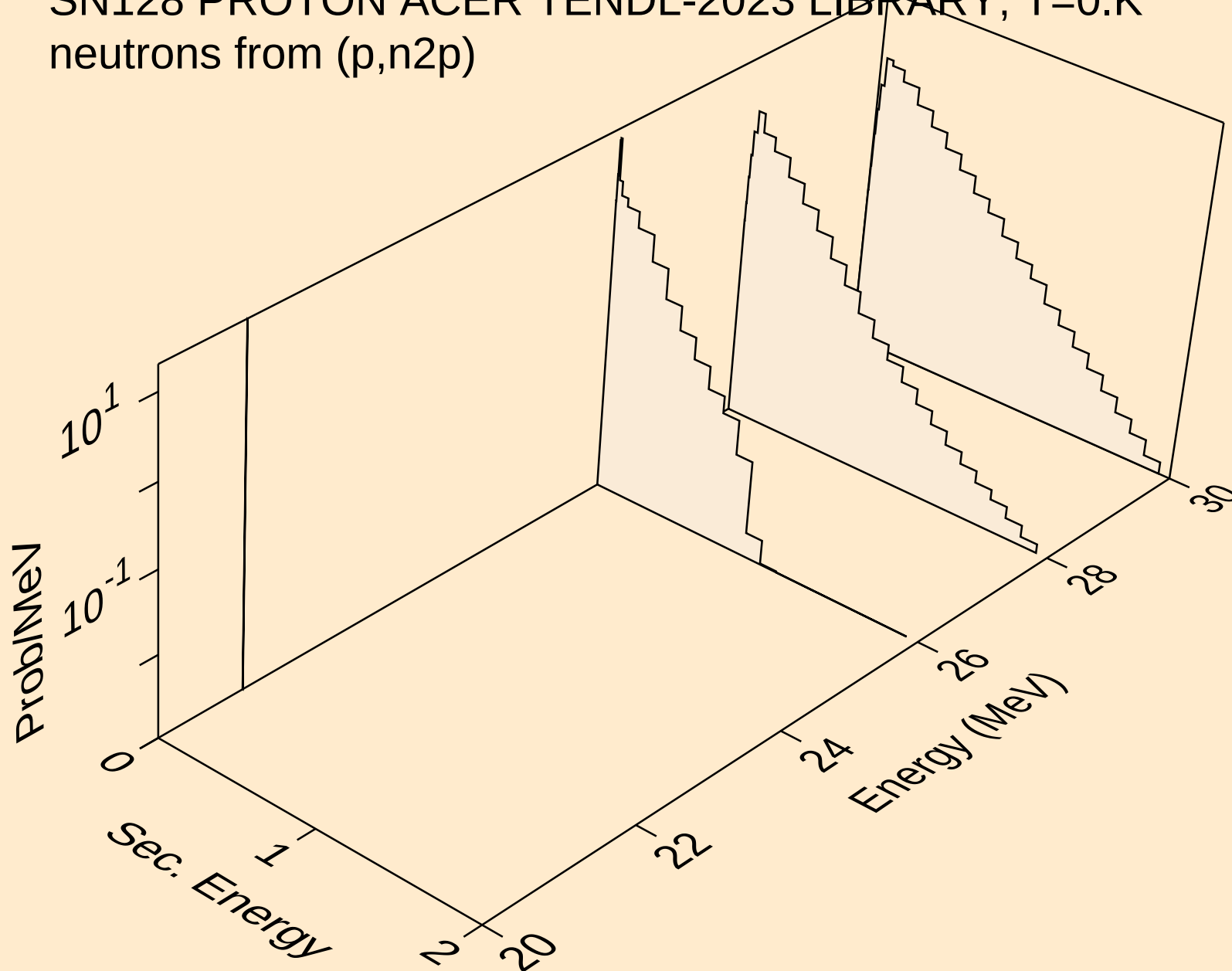
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2np)



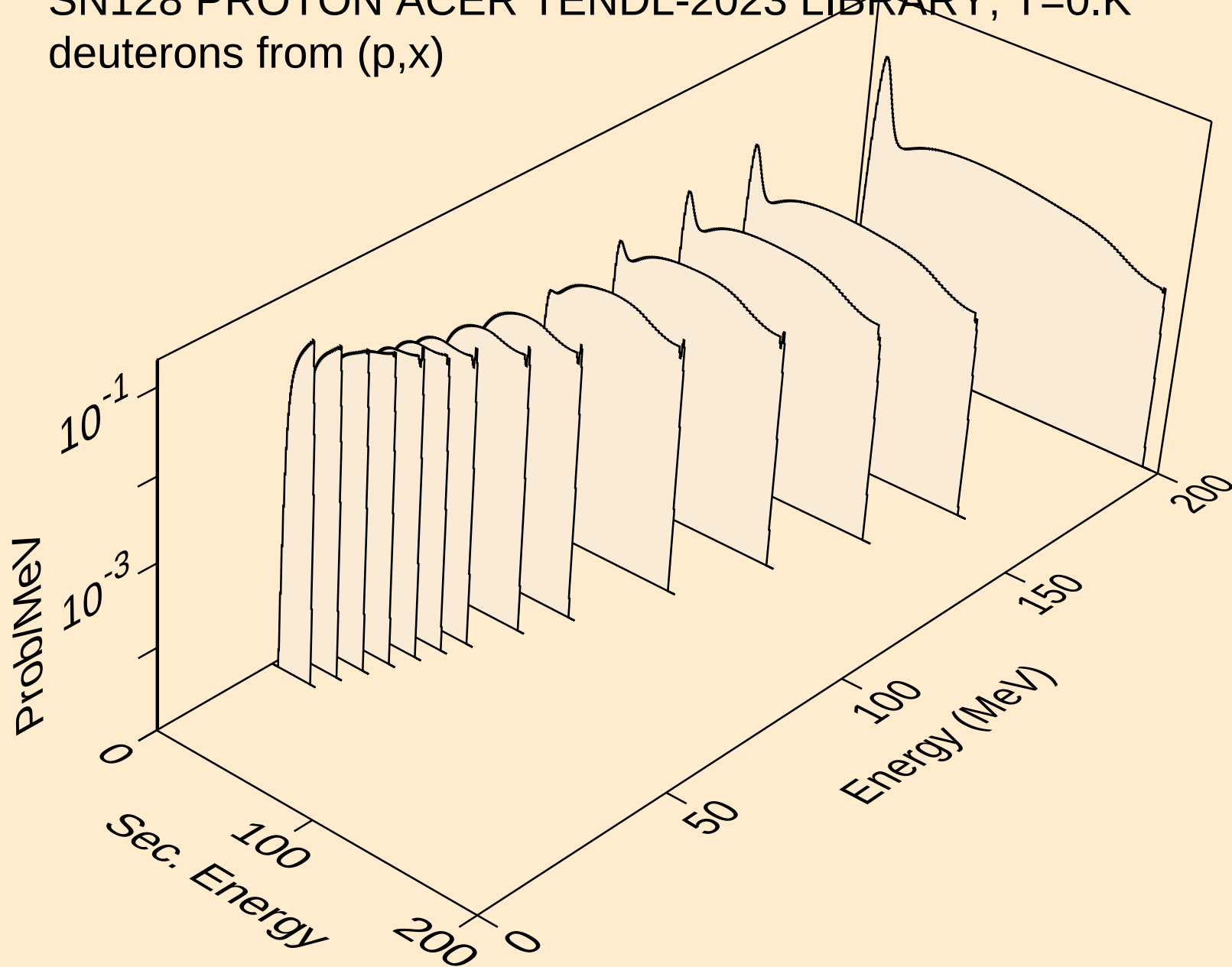
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neutrons from (p,3np)



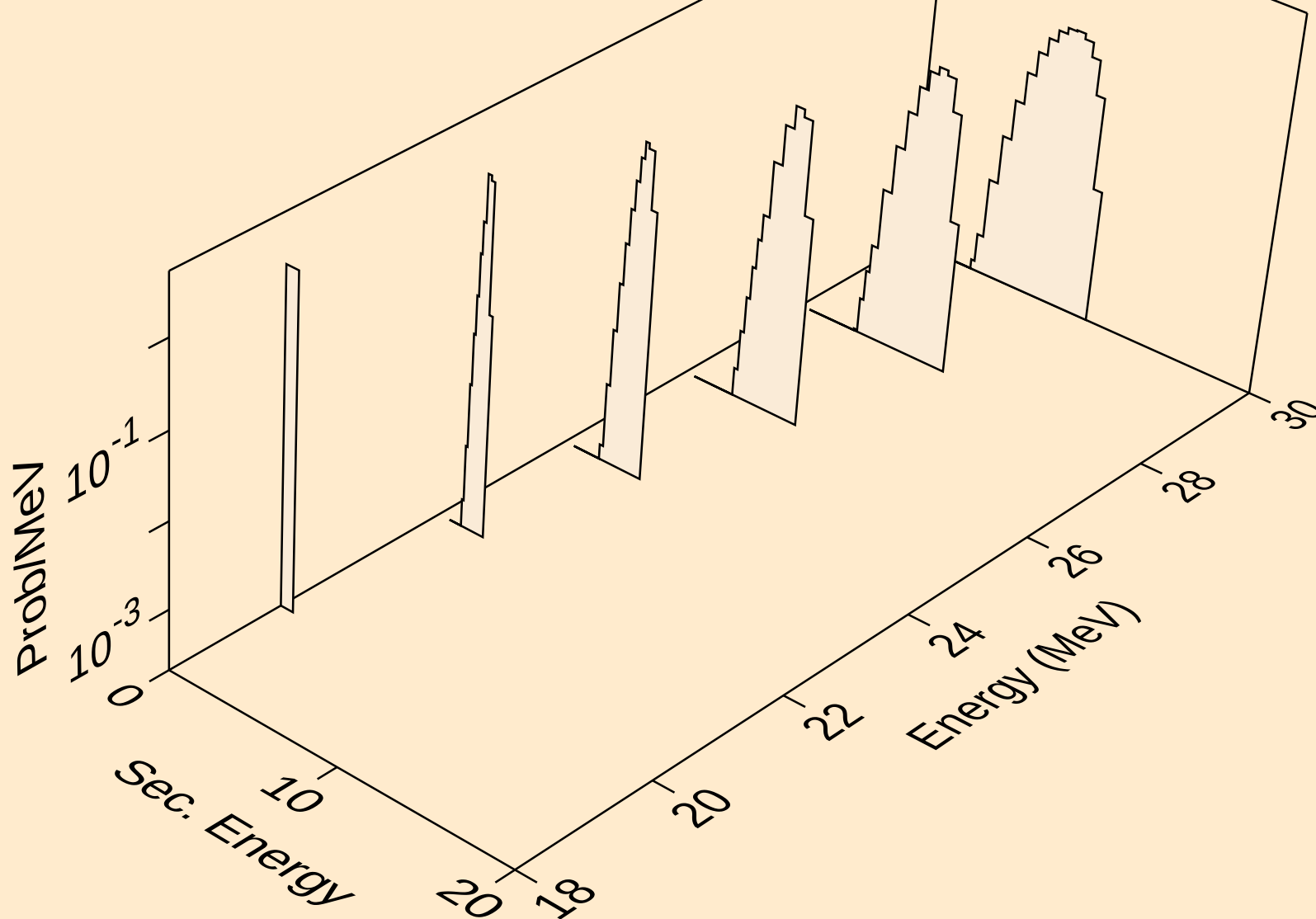
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neutrons from (p,n2p)



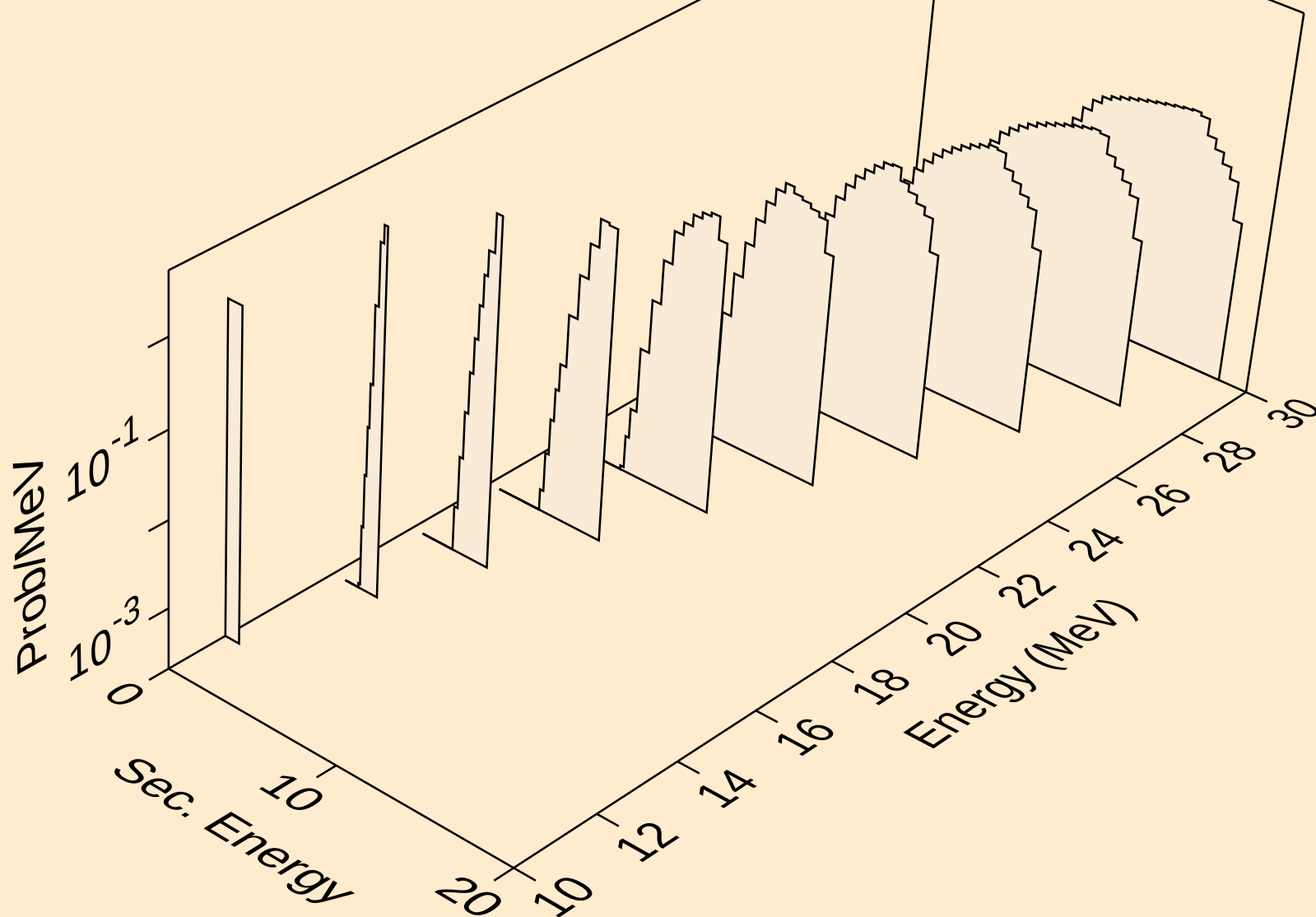
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deuterons from (p,x)



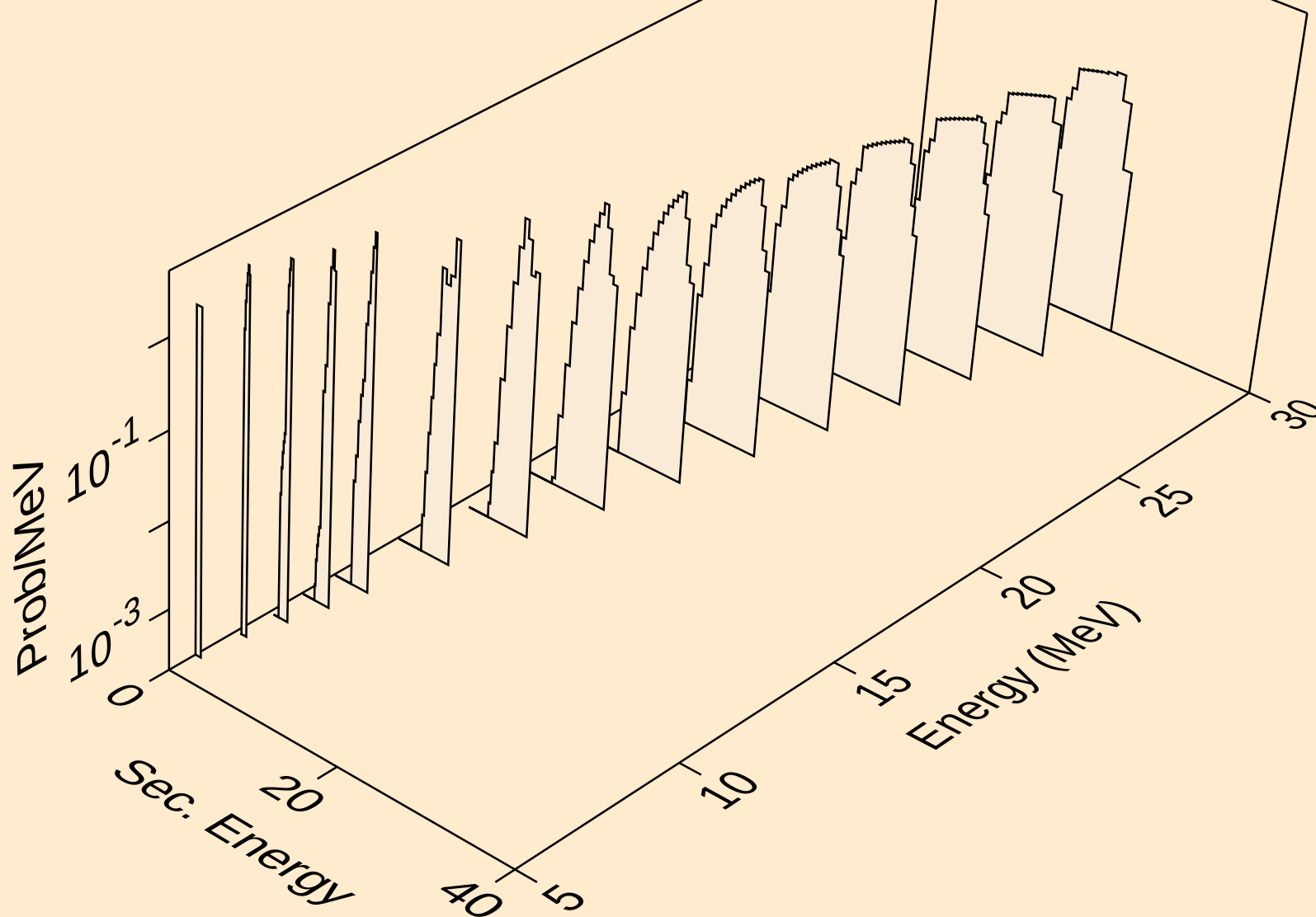
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,2nd)



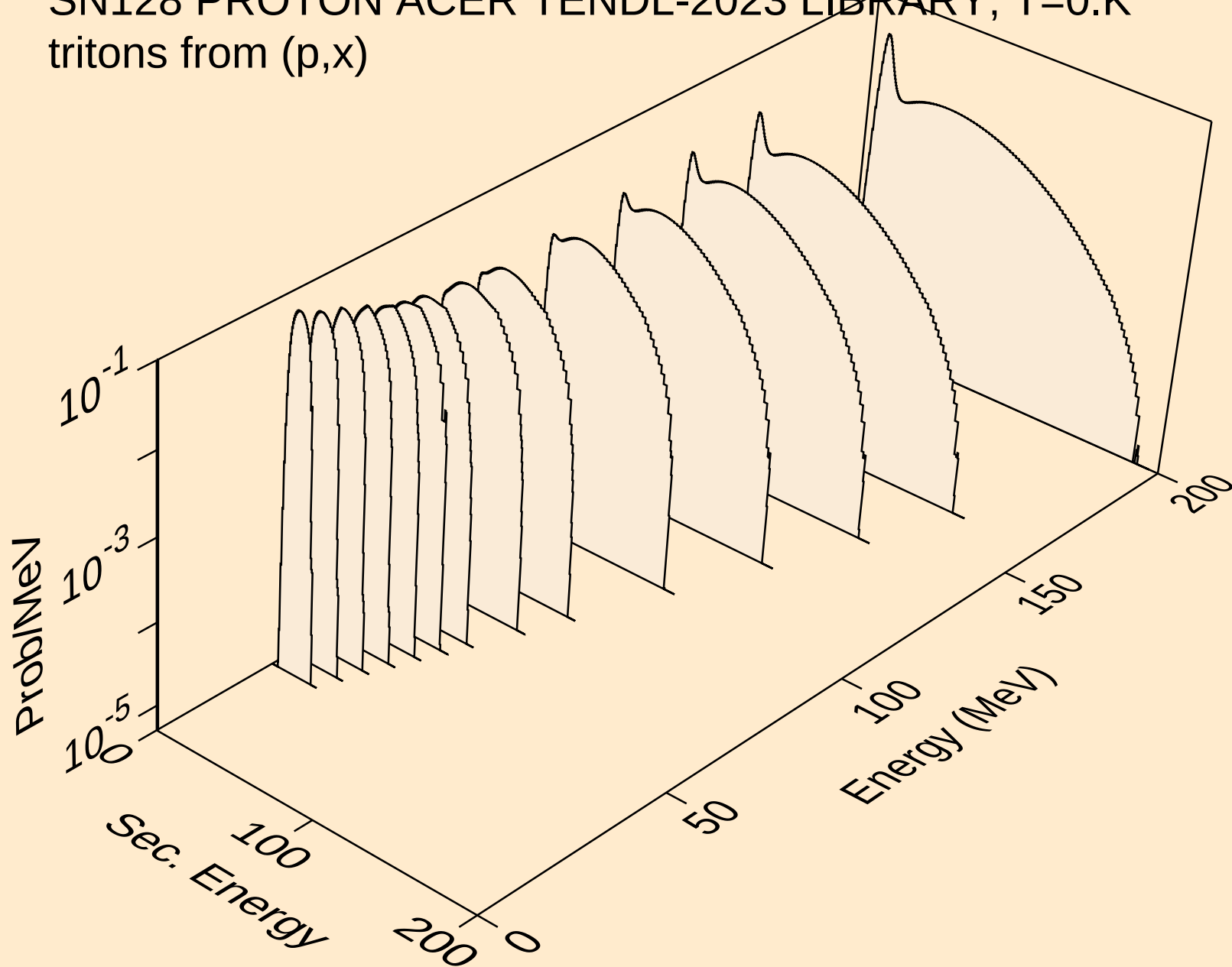
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deuterons from (p,n\*)d



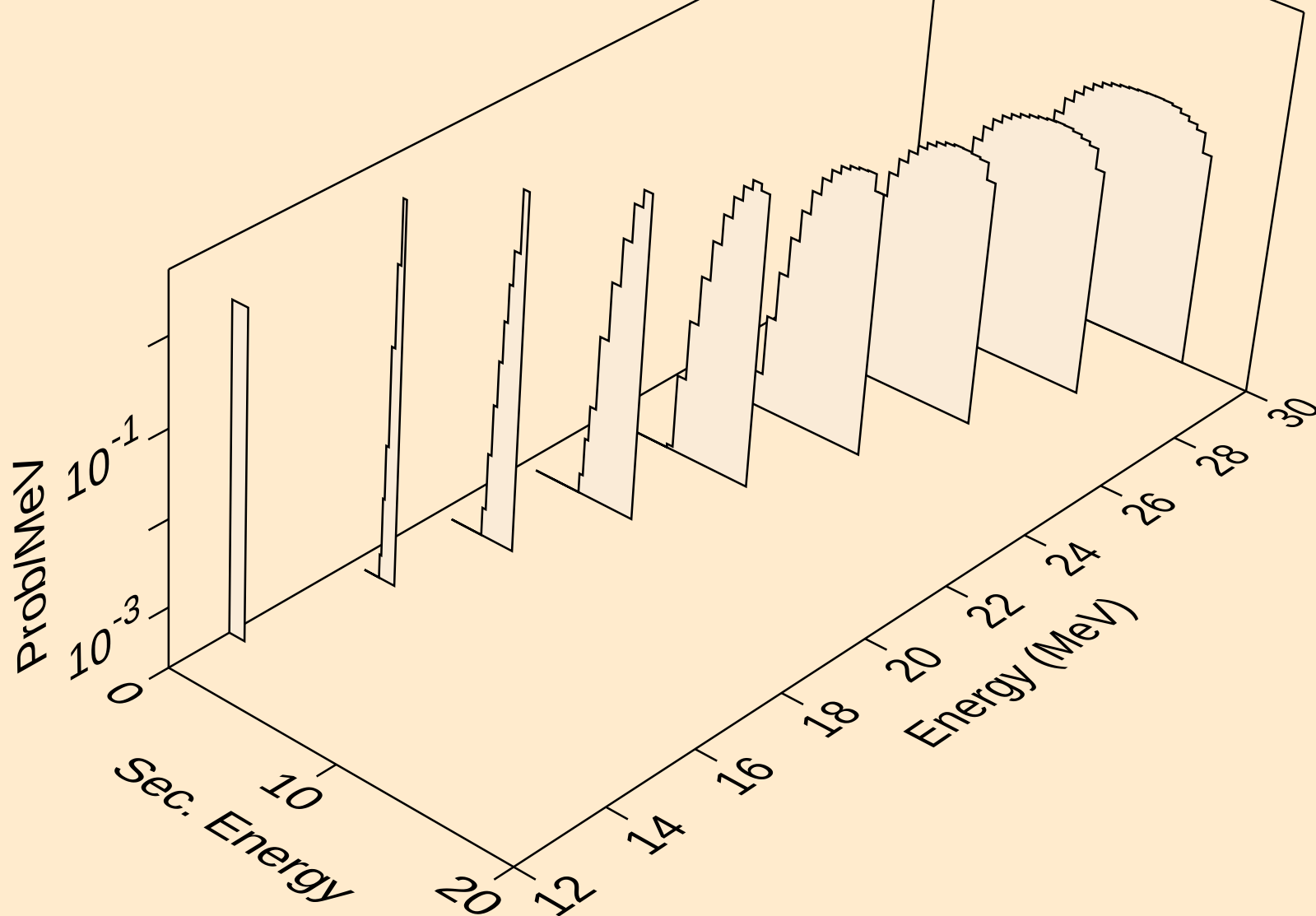
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,d)



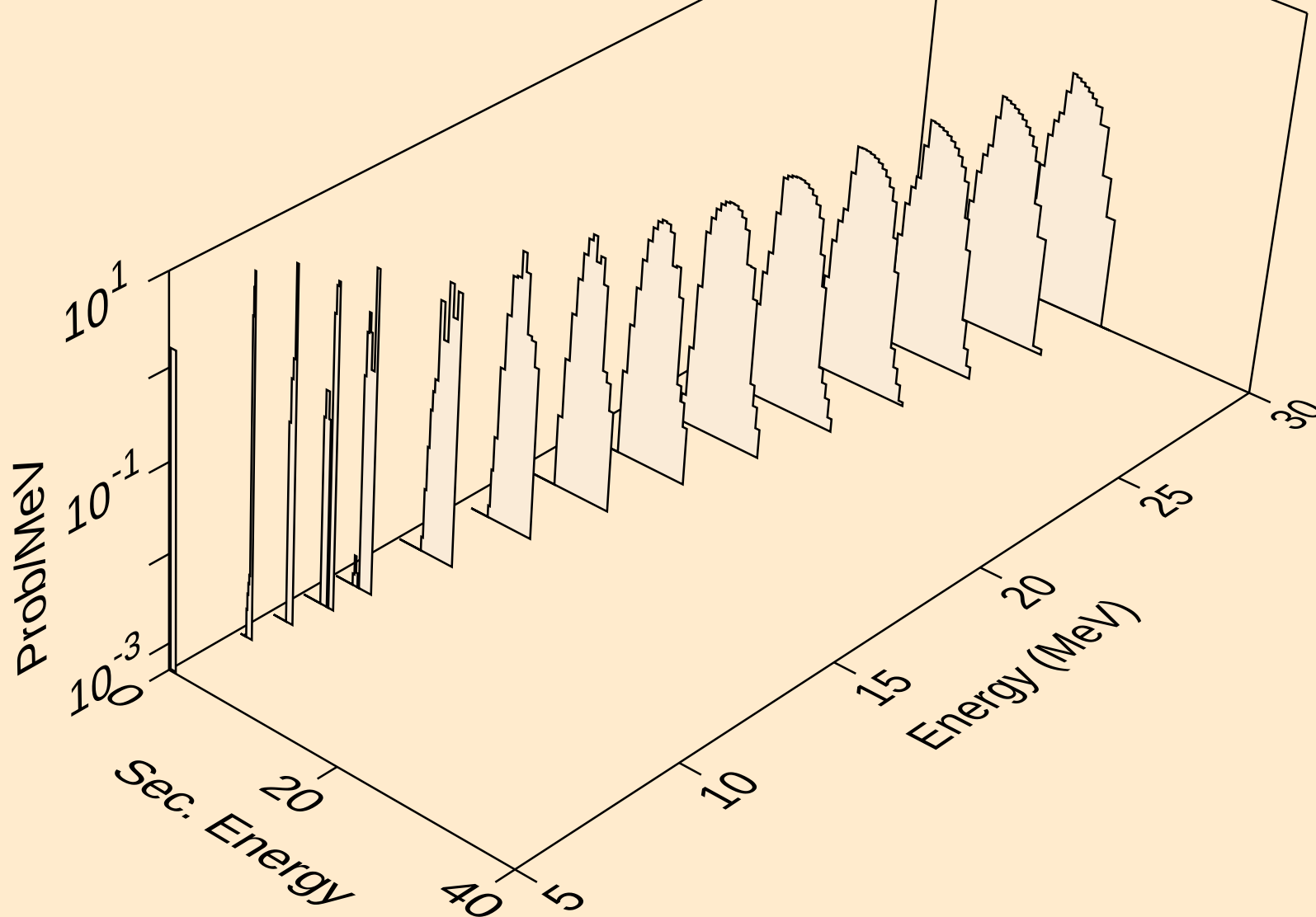
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,x)



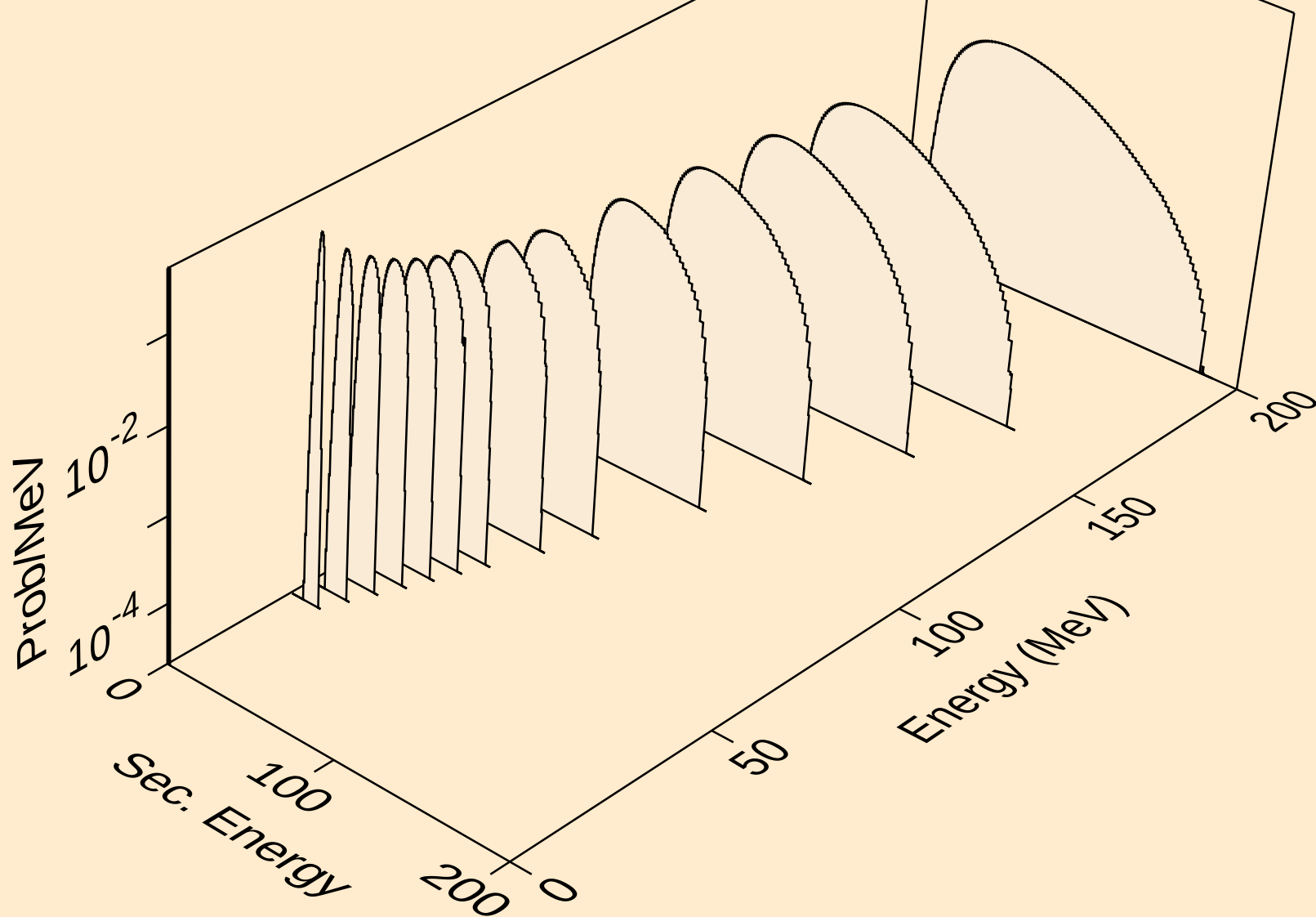
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tritons from (p,n\*)t



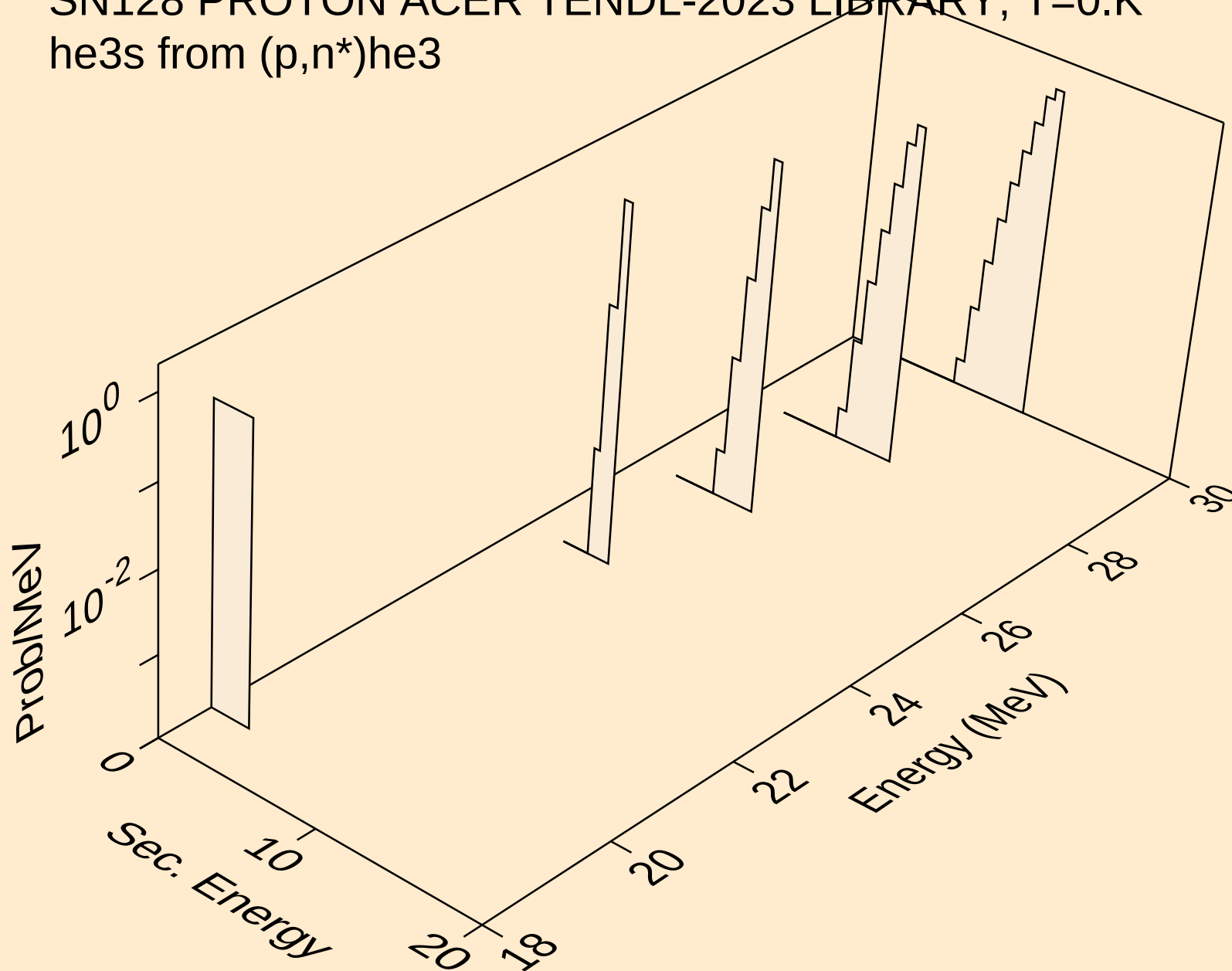
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,t)



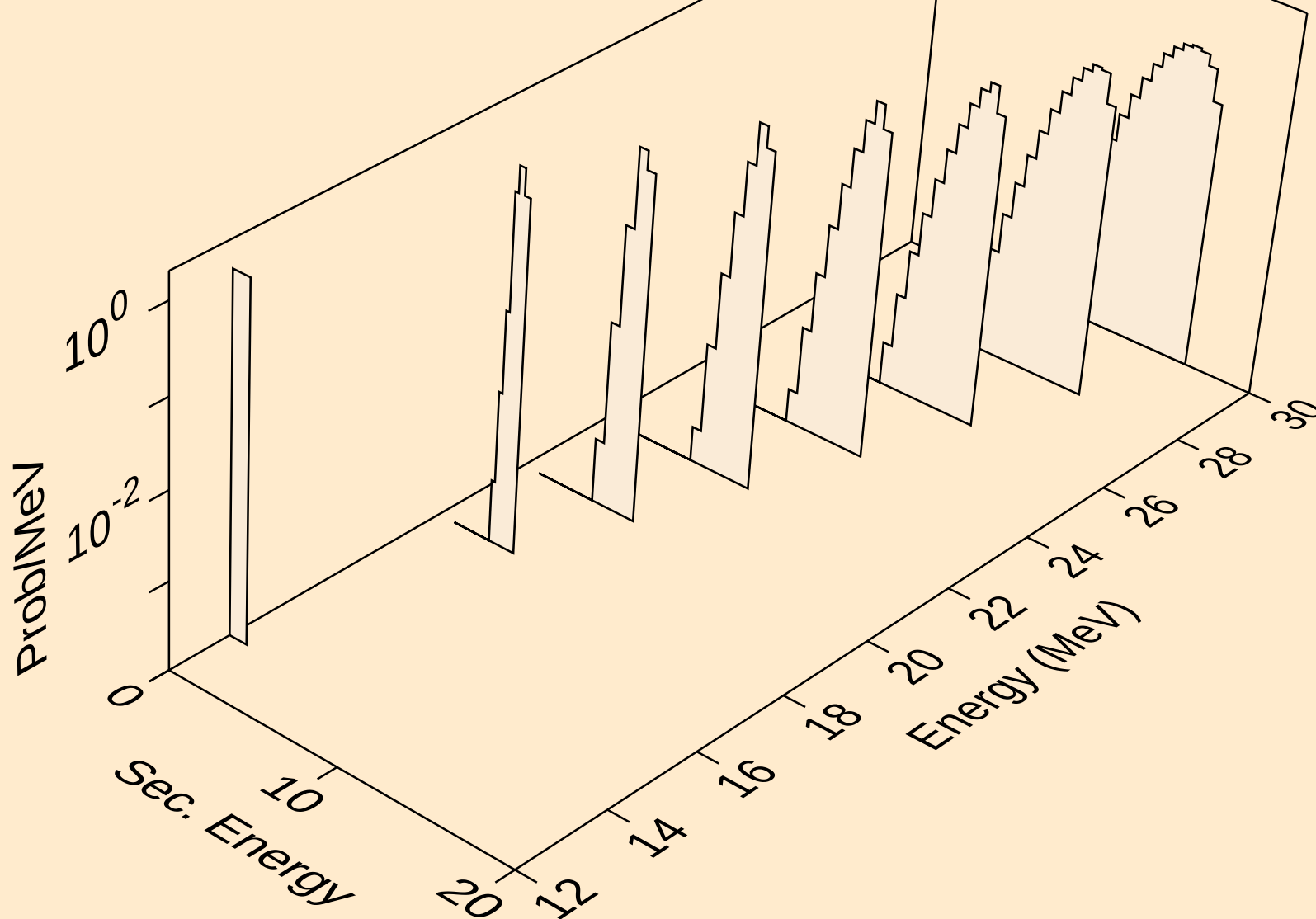
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,x)



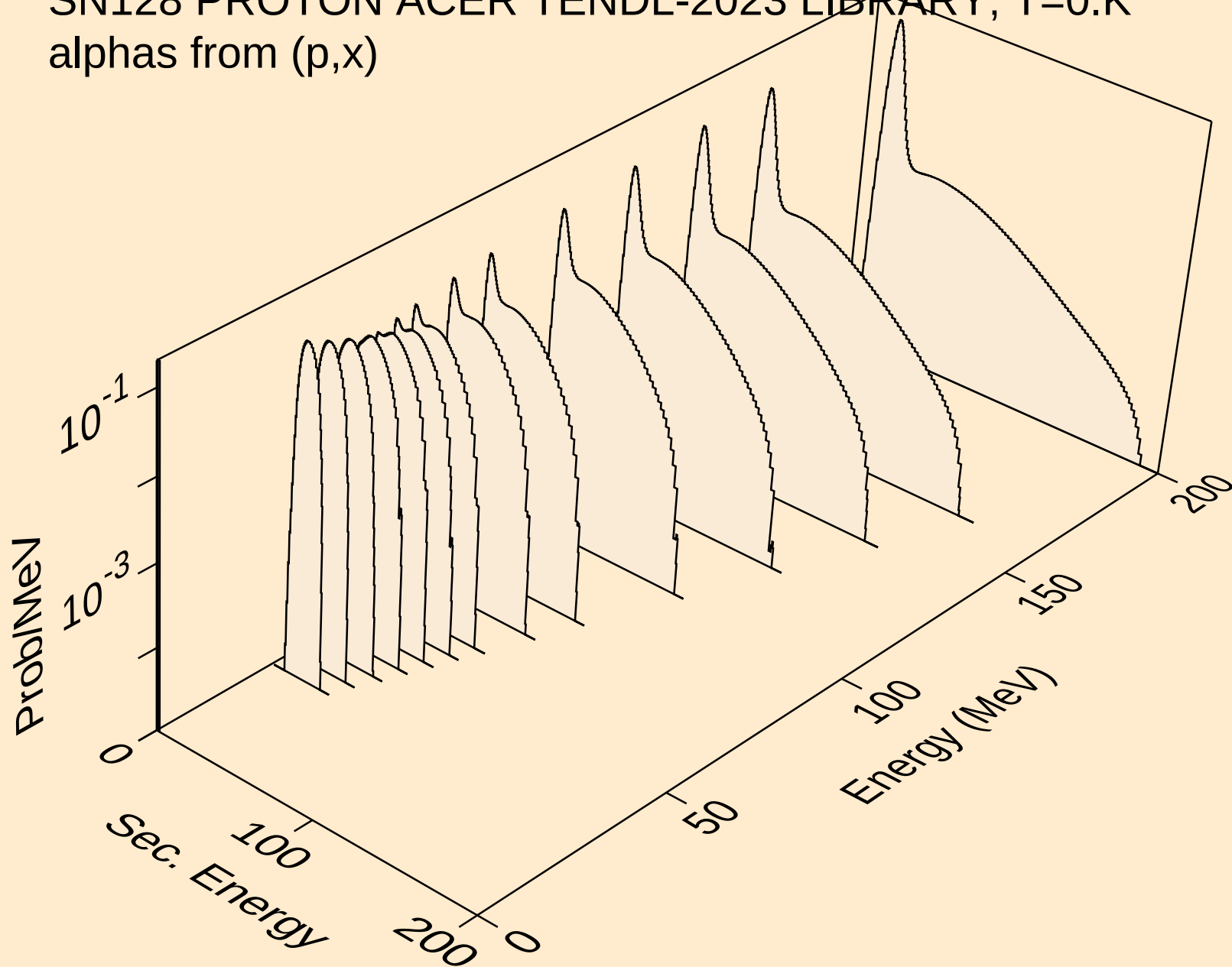
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,n\*)he3



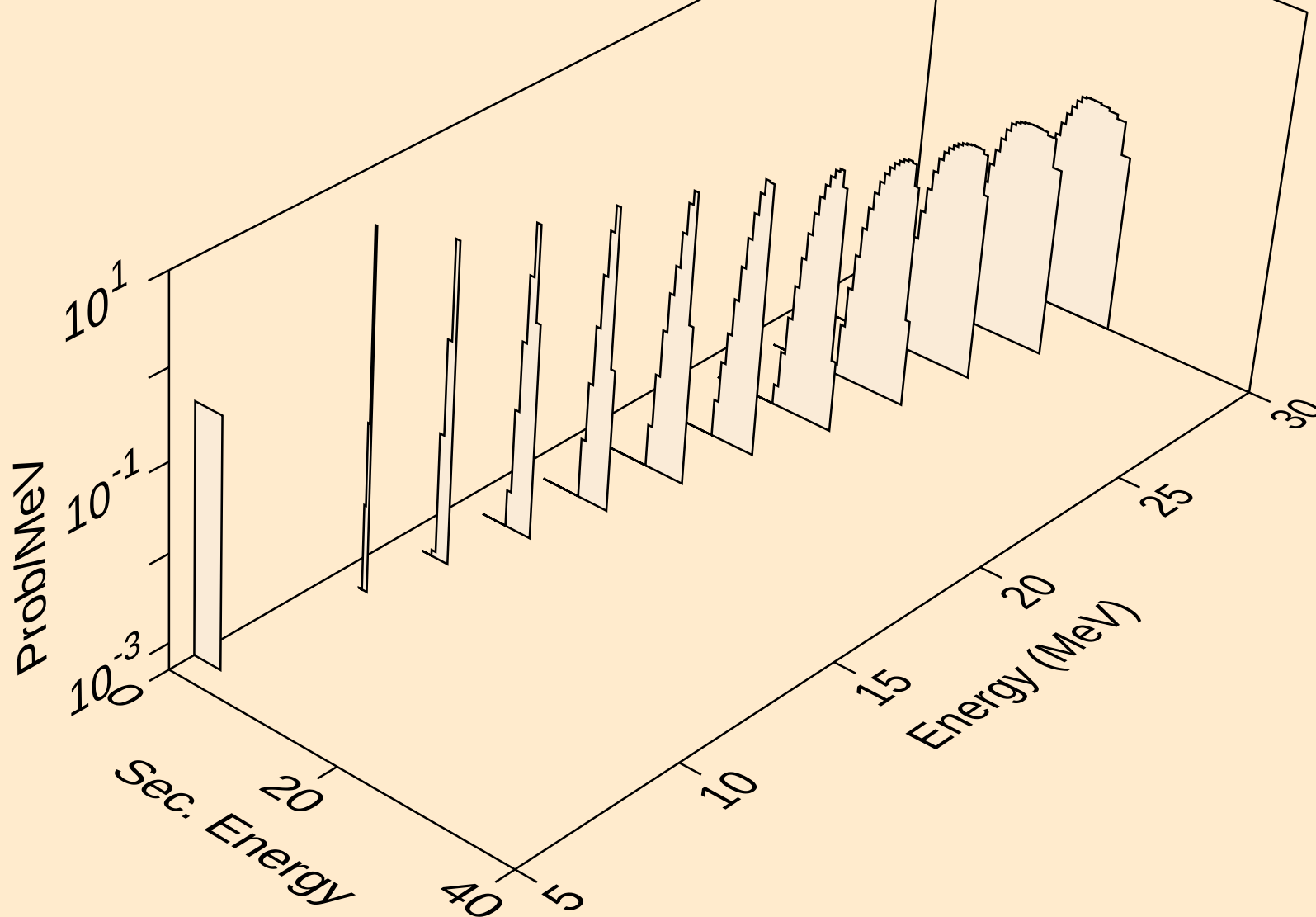
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,he3)



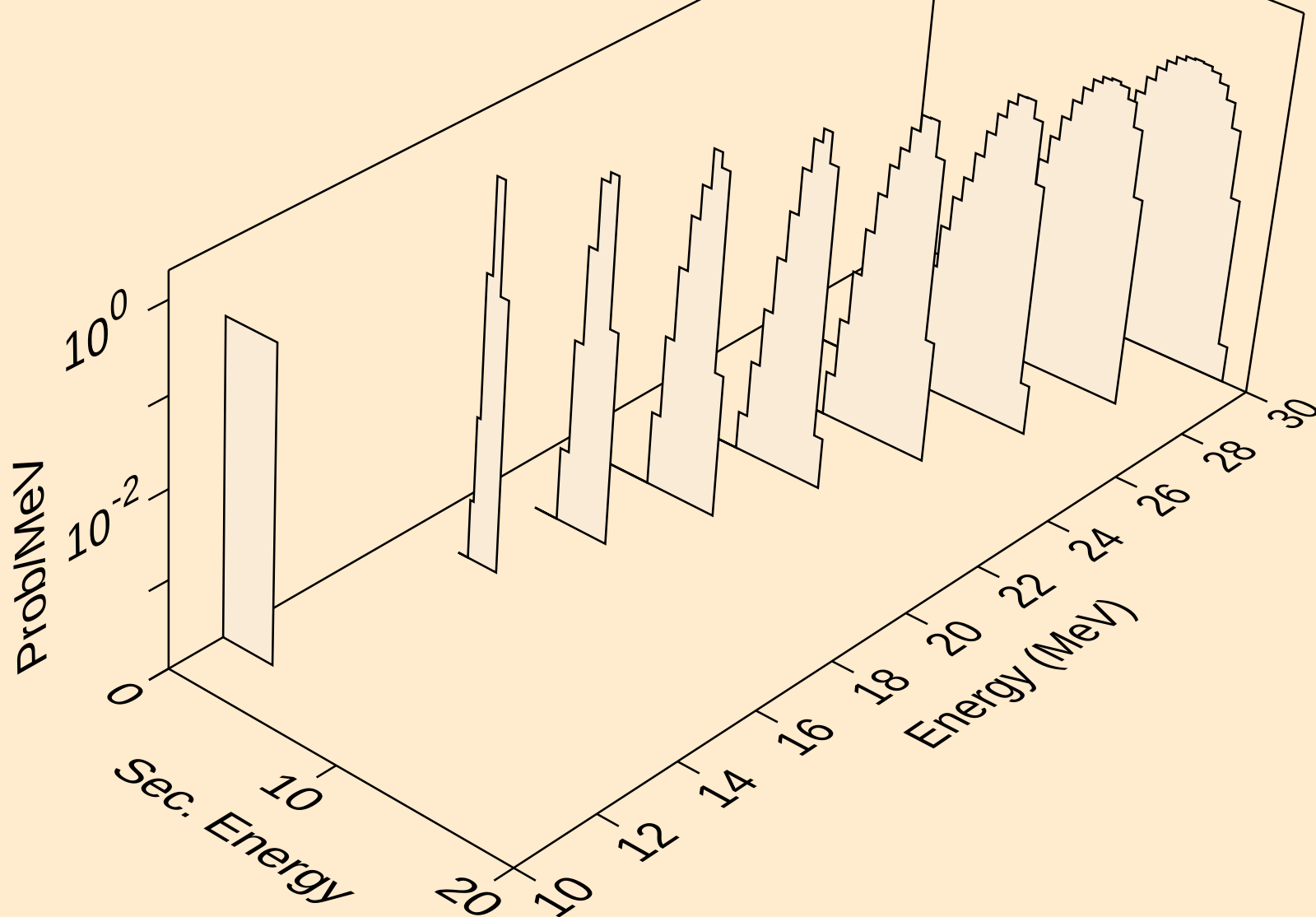
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)



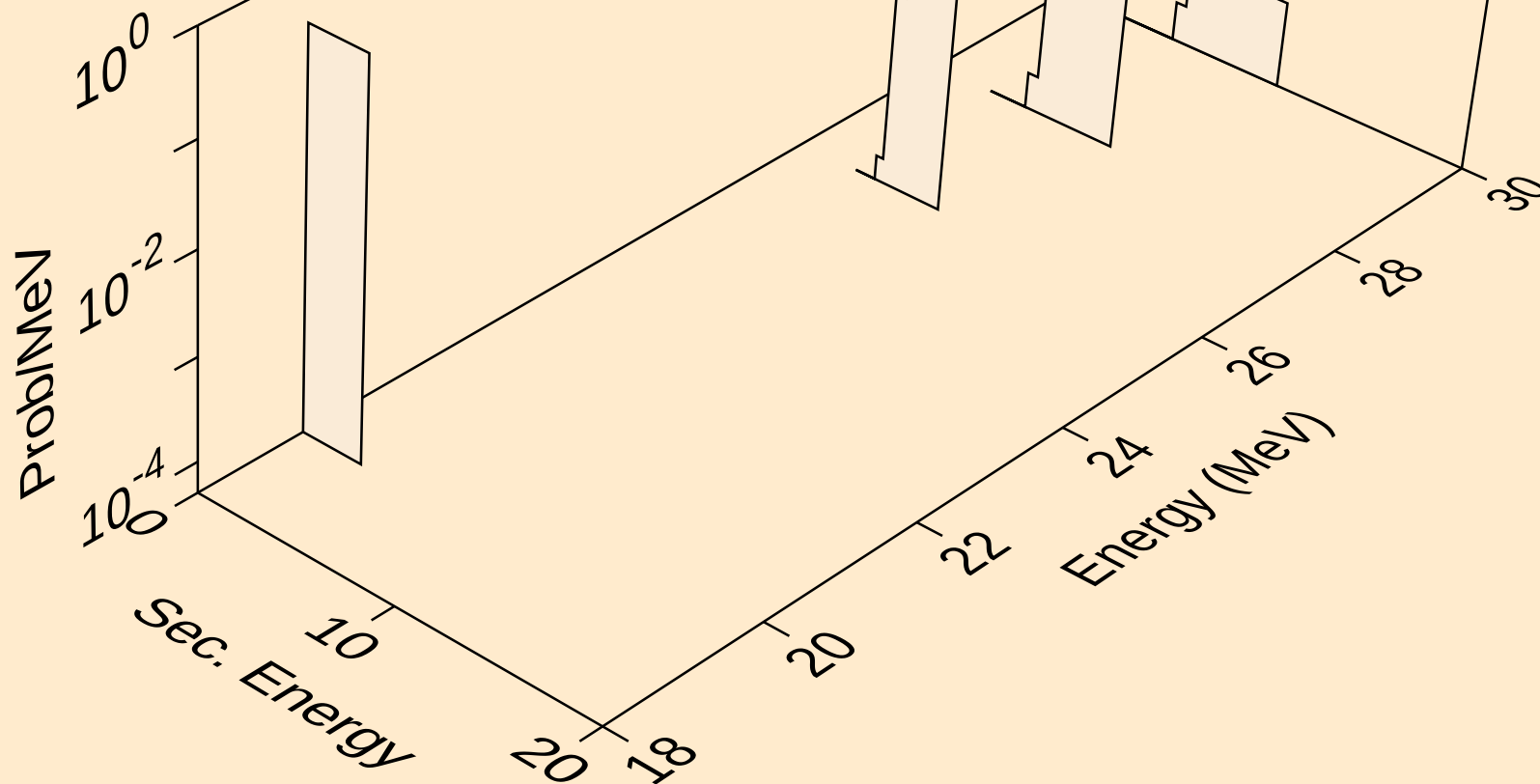
SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a



SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)a



SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,3n)a



SN128 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,a)

