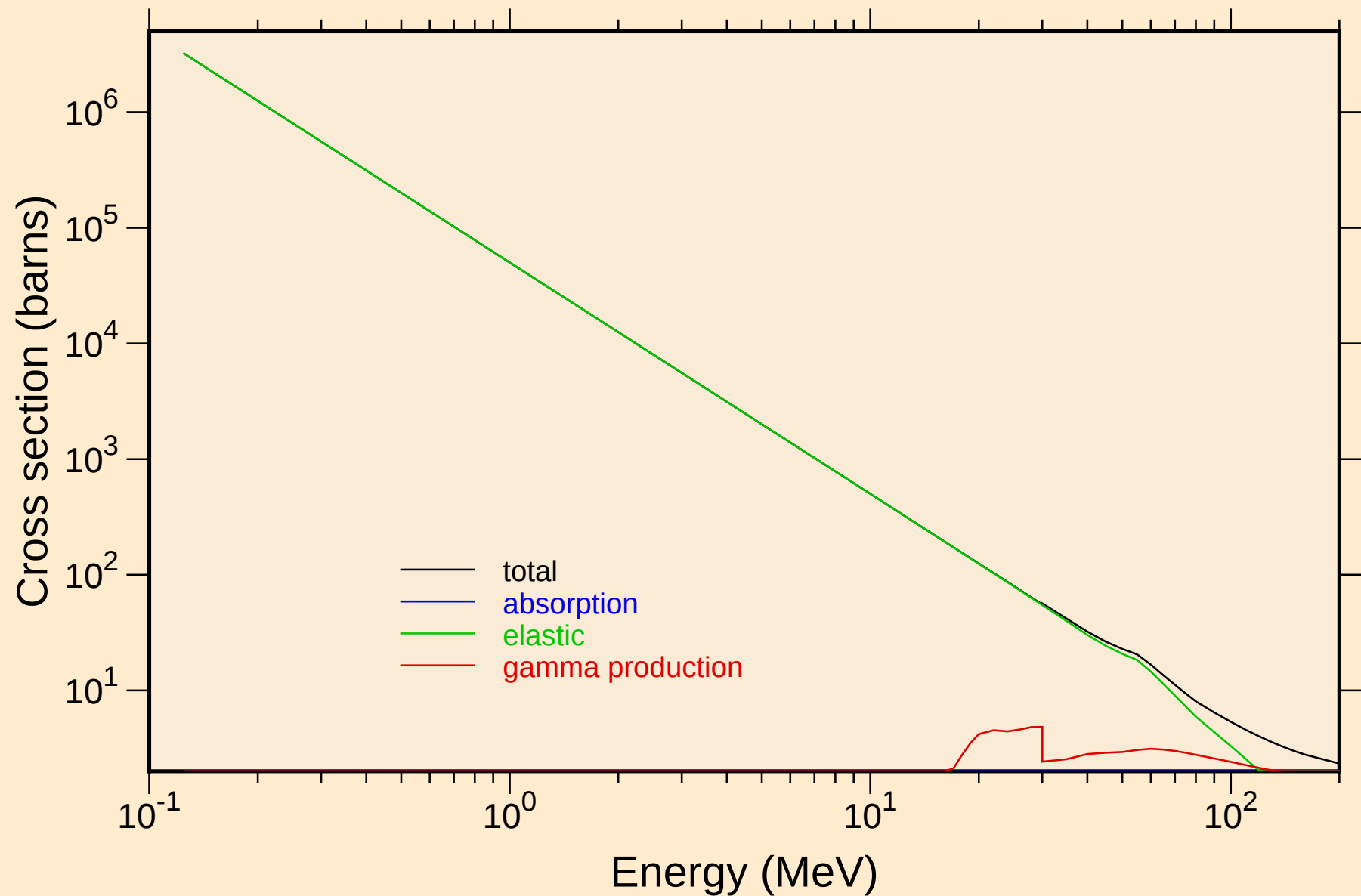


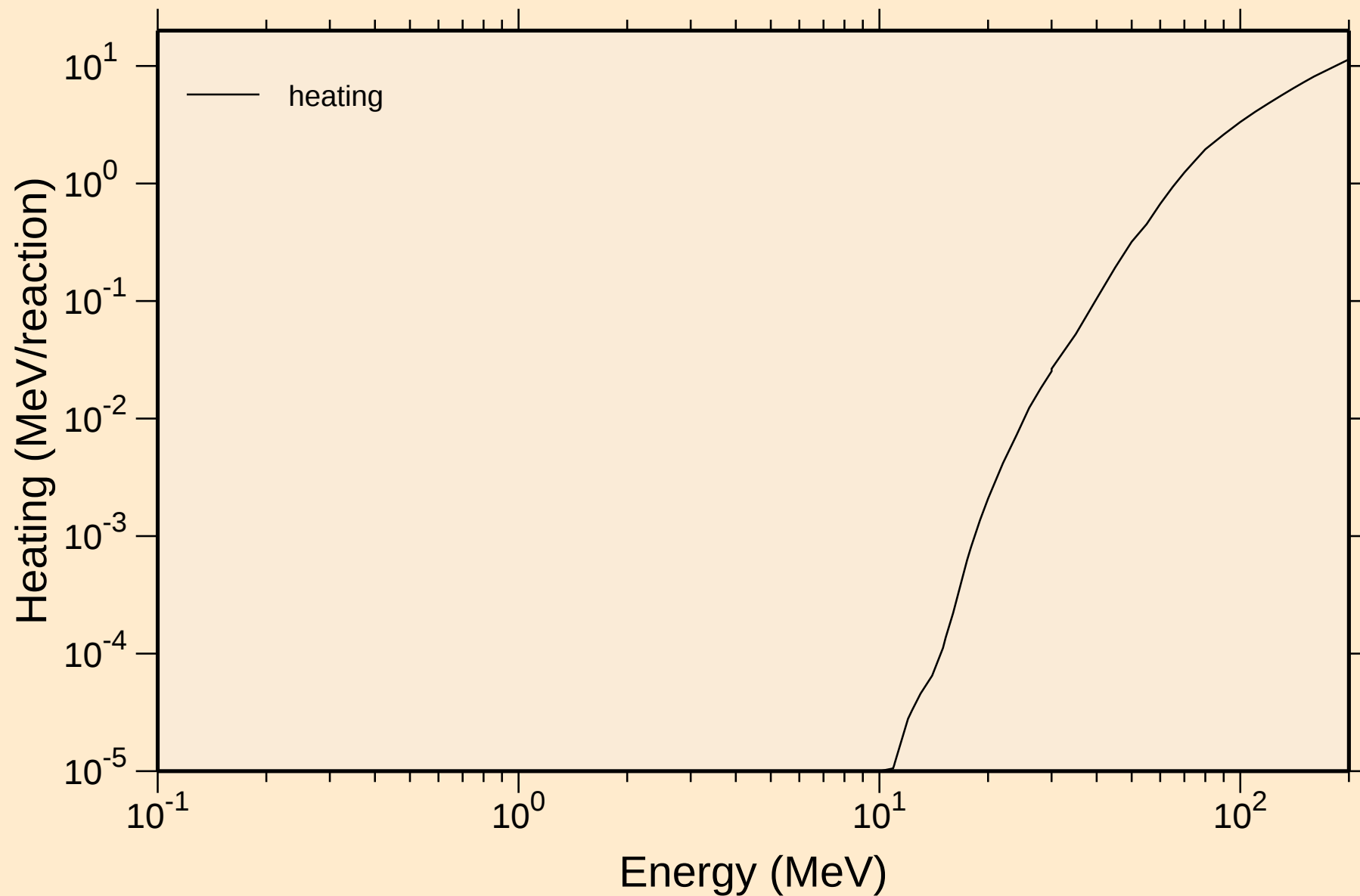
# TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



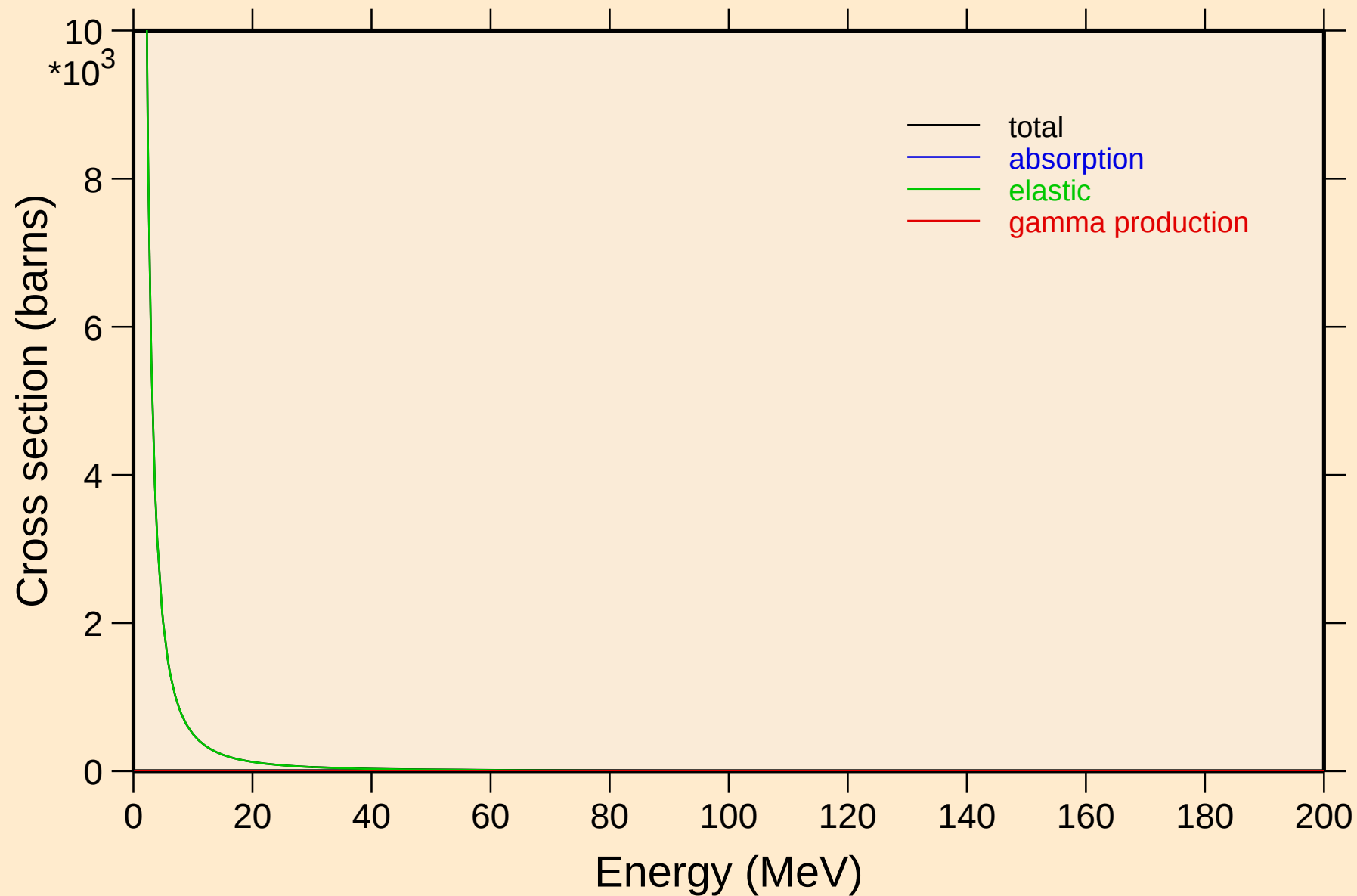
# TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Heating



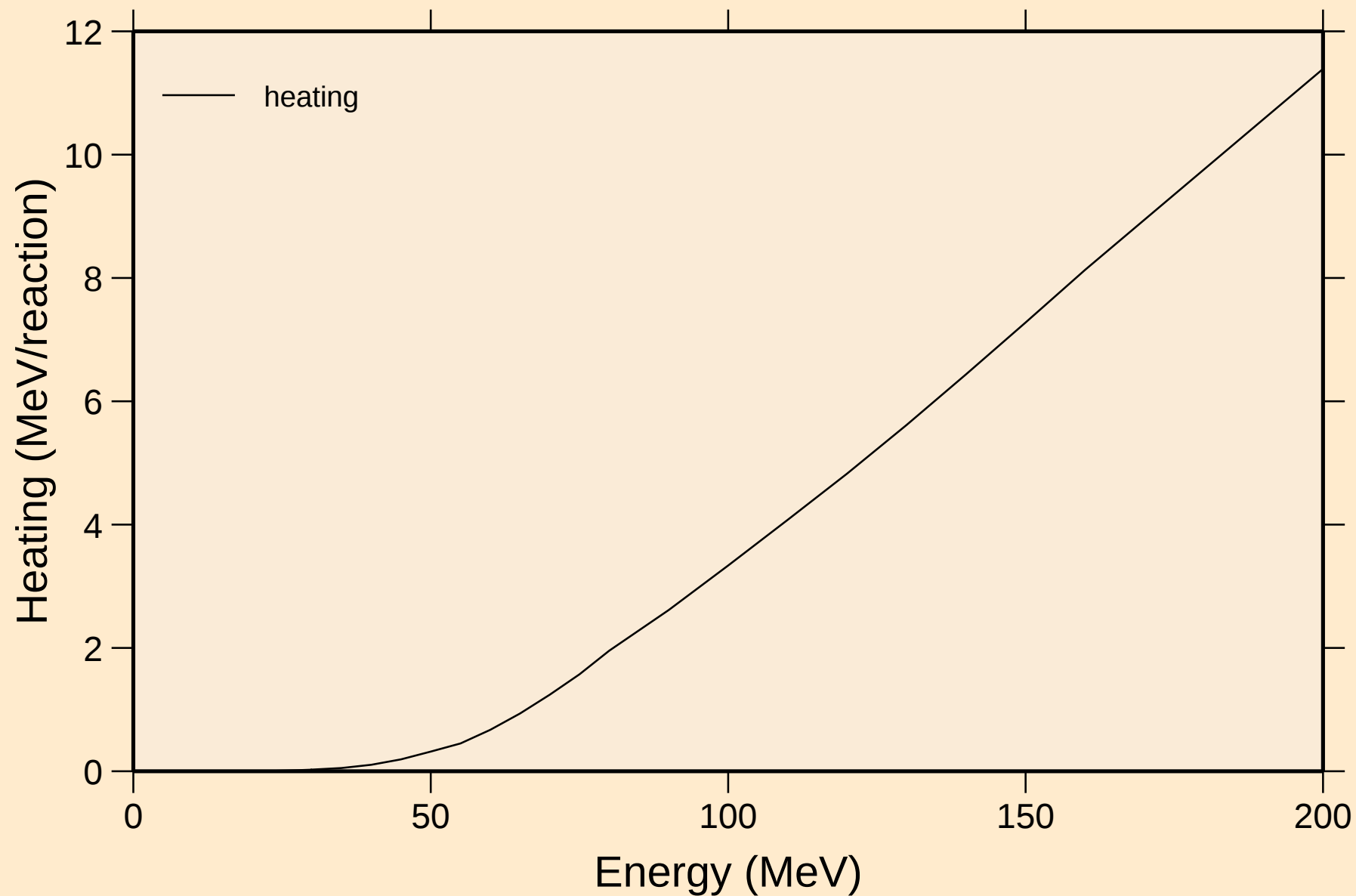
# TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



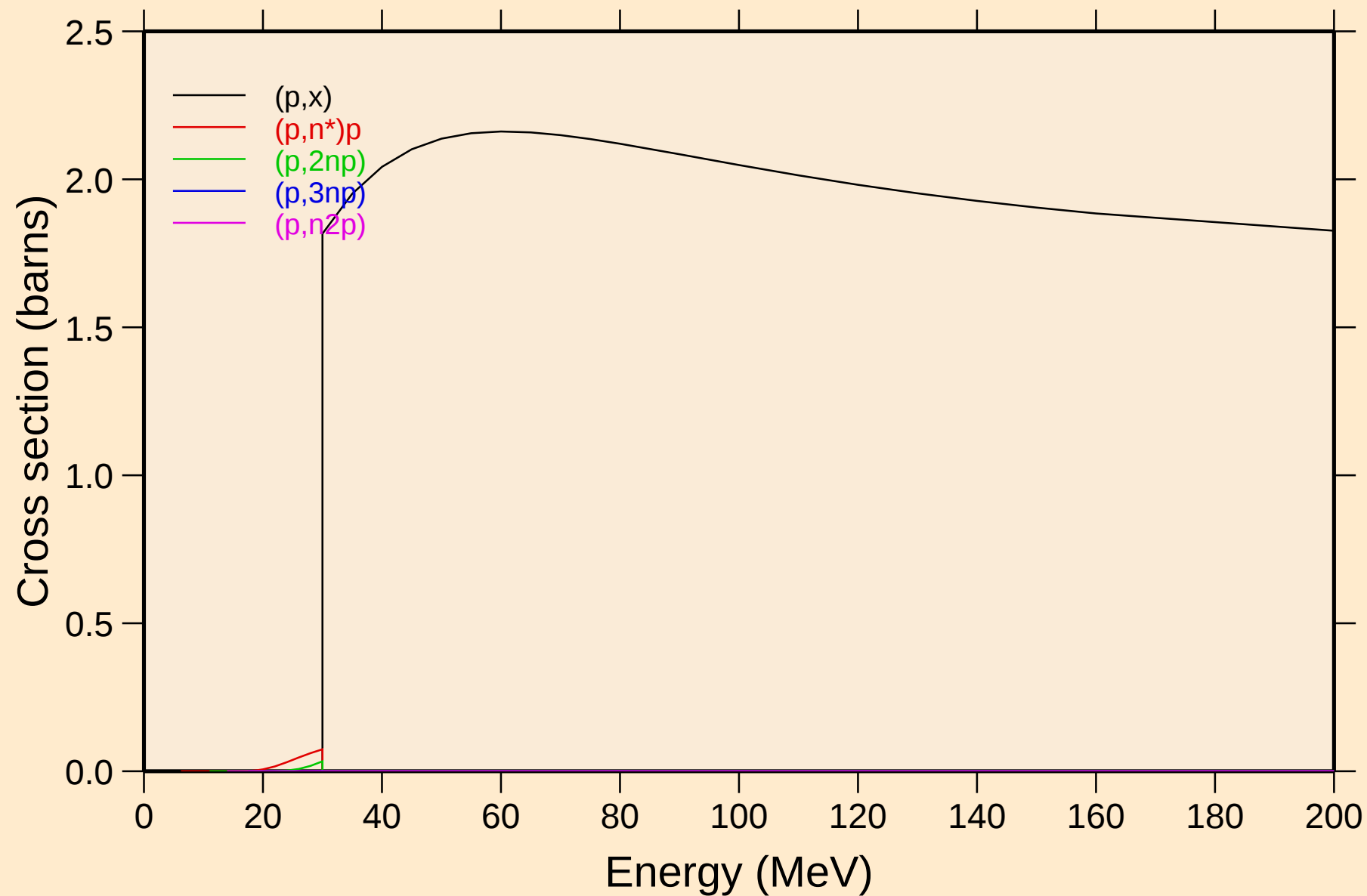
# TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Heating



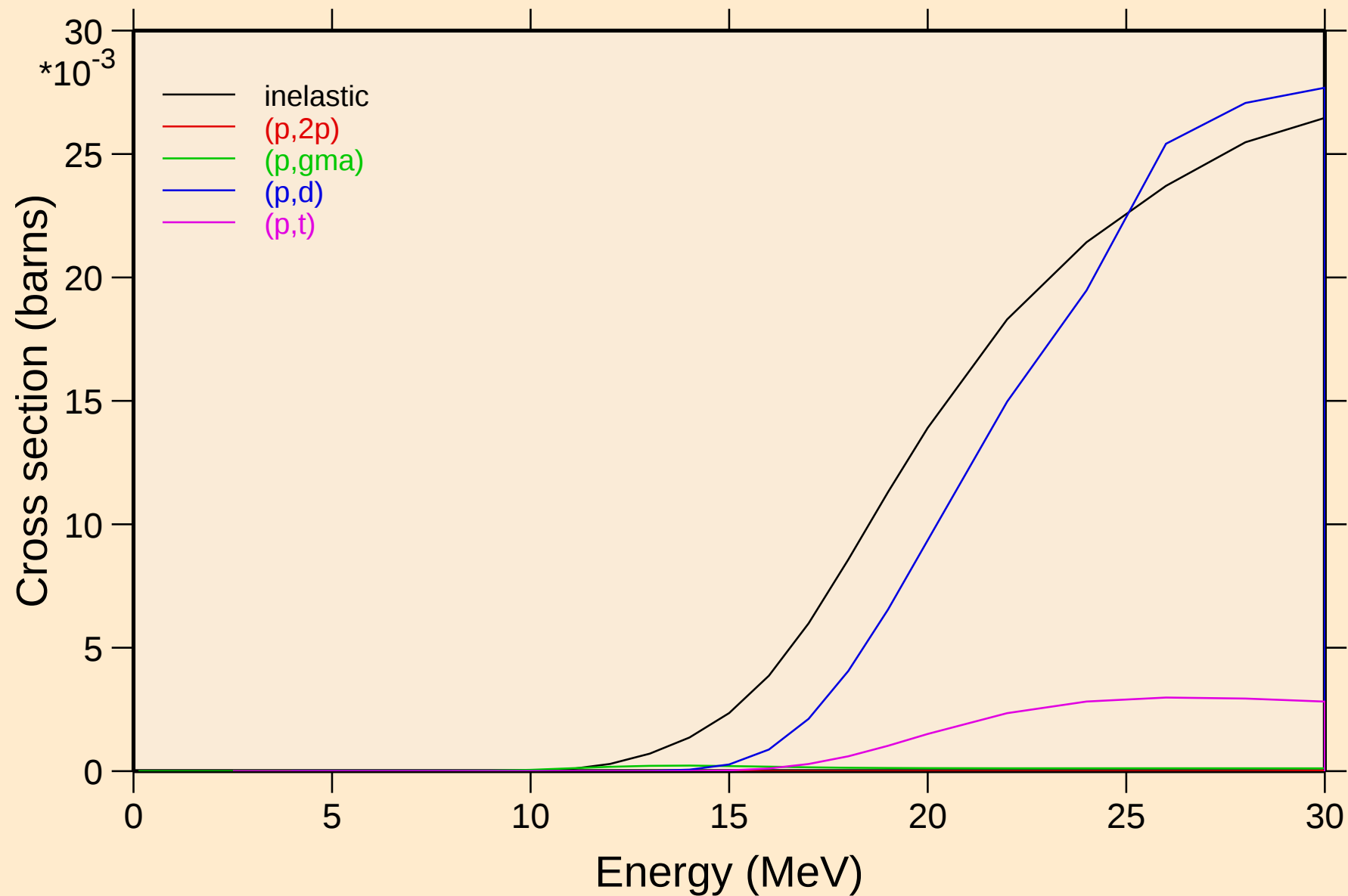
# TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Threshold reactions



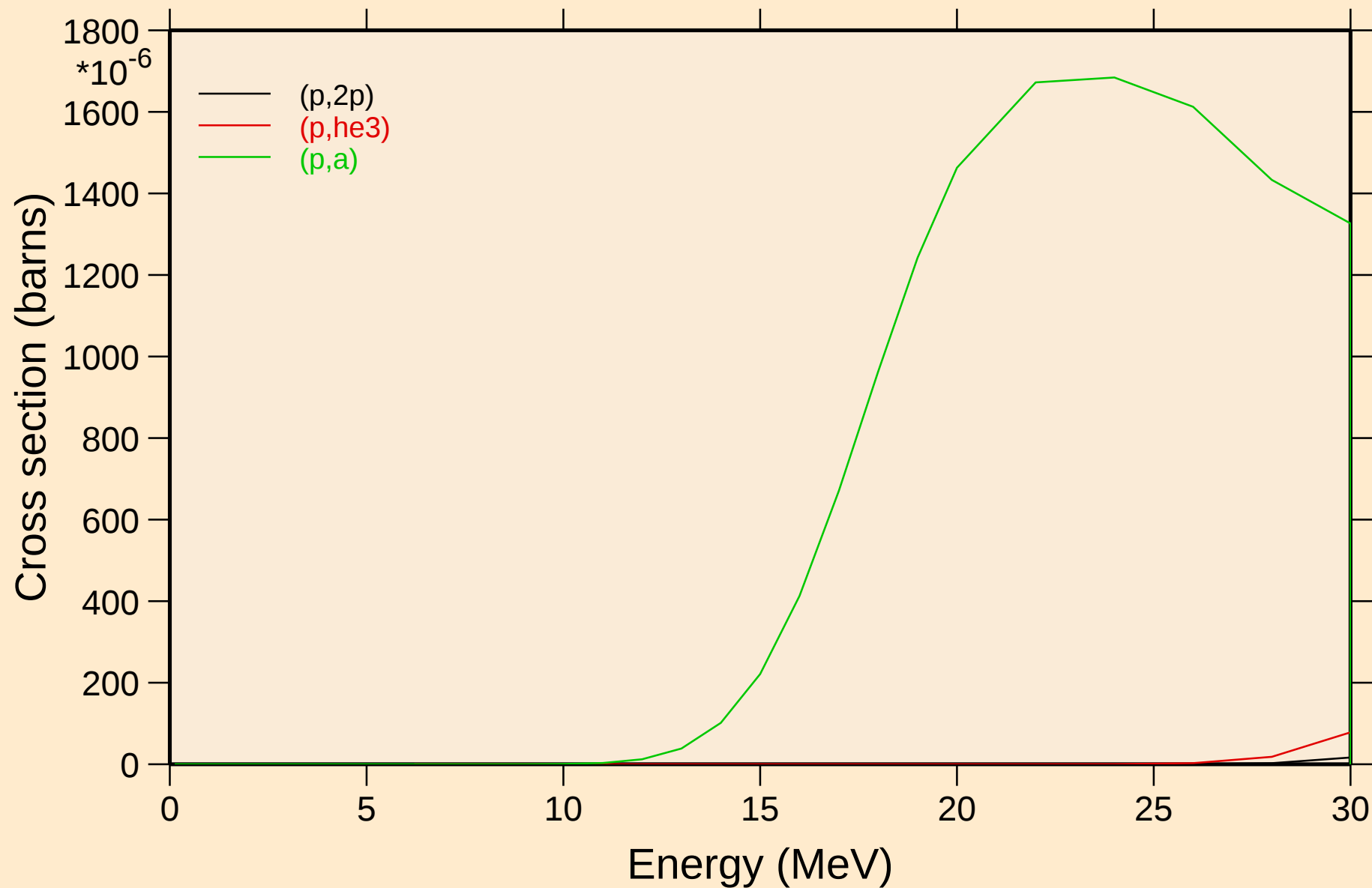
# TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Threshold reactions



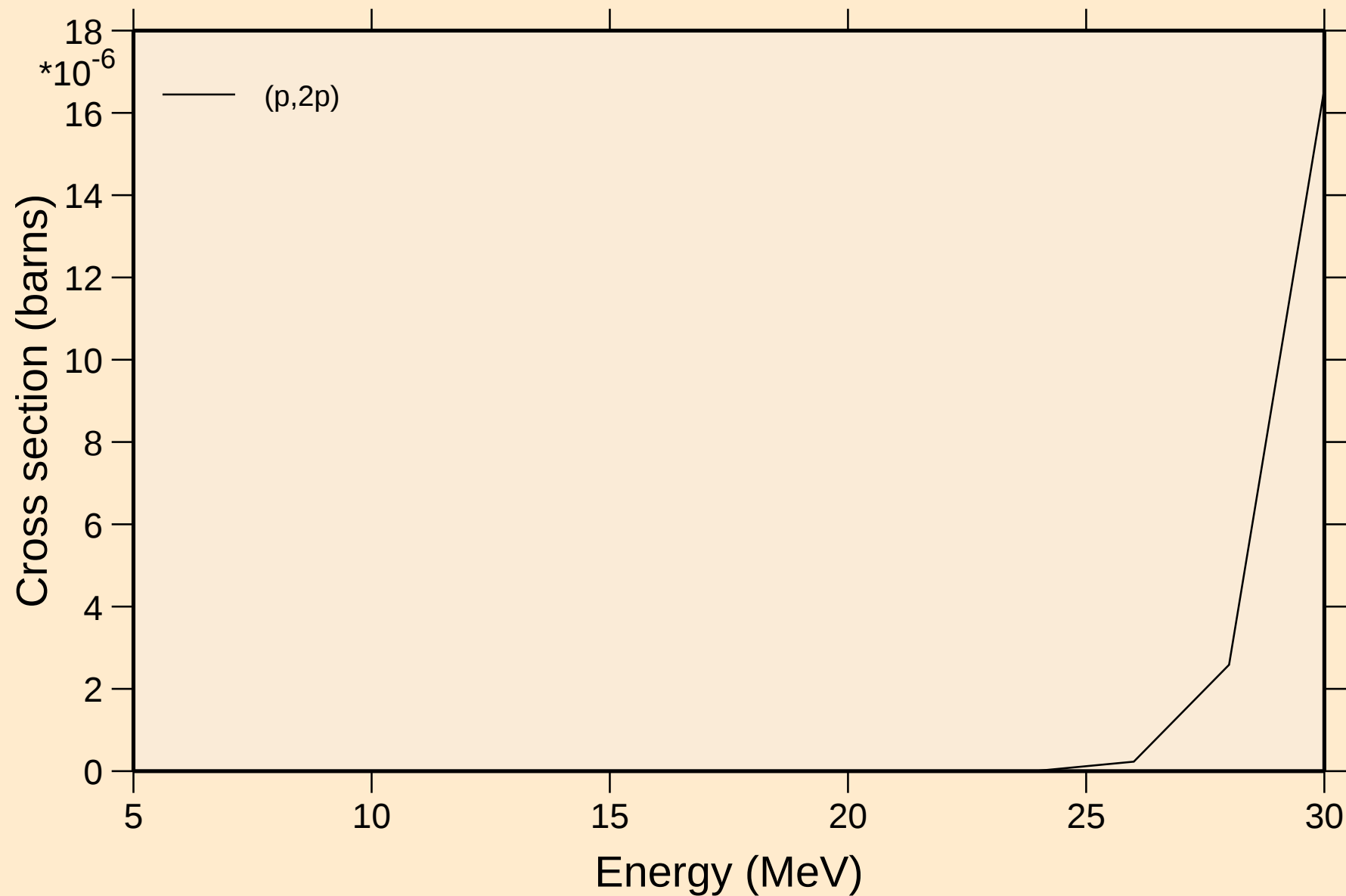
# TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

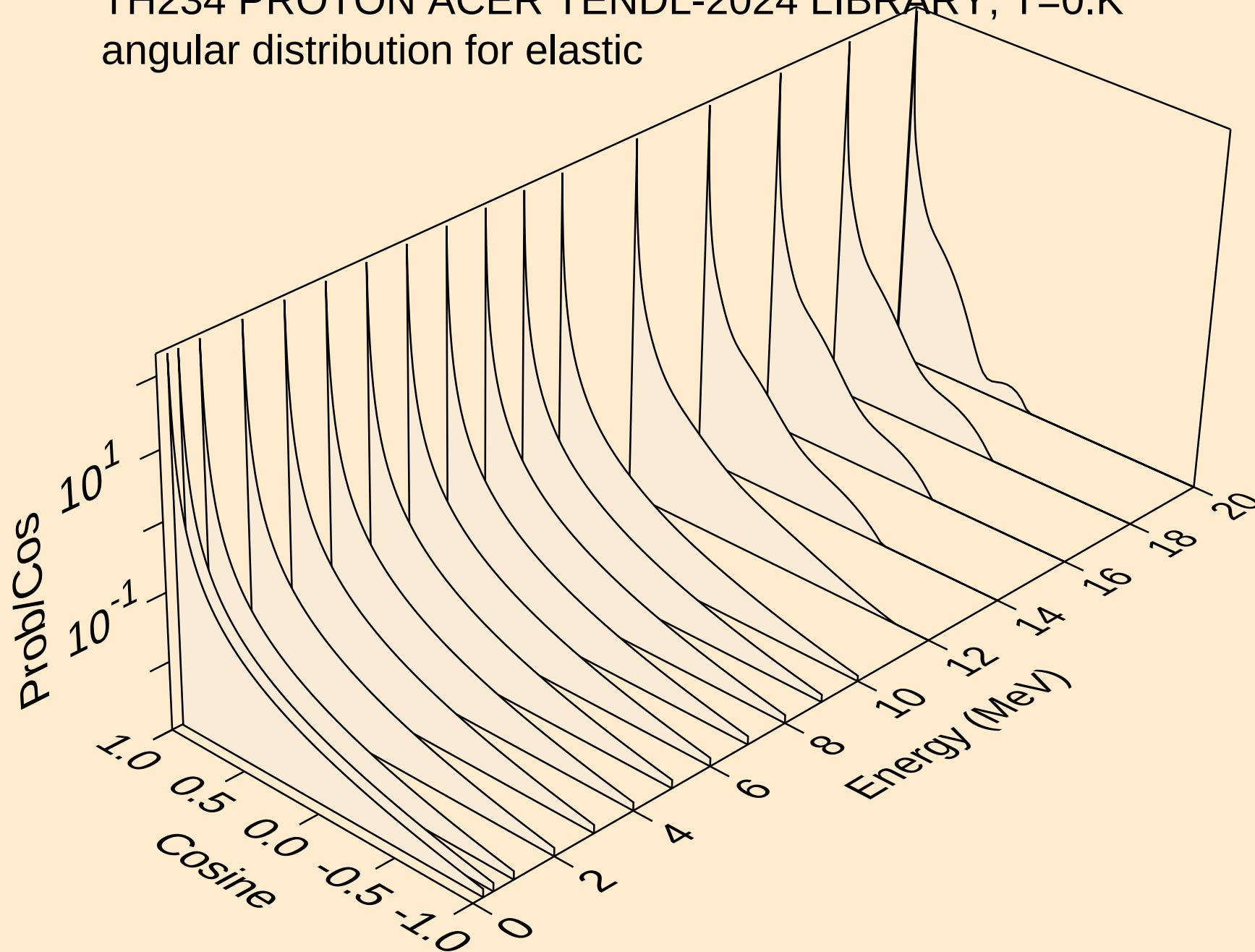


# TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K

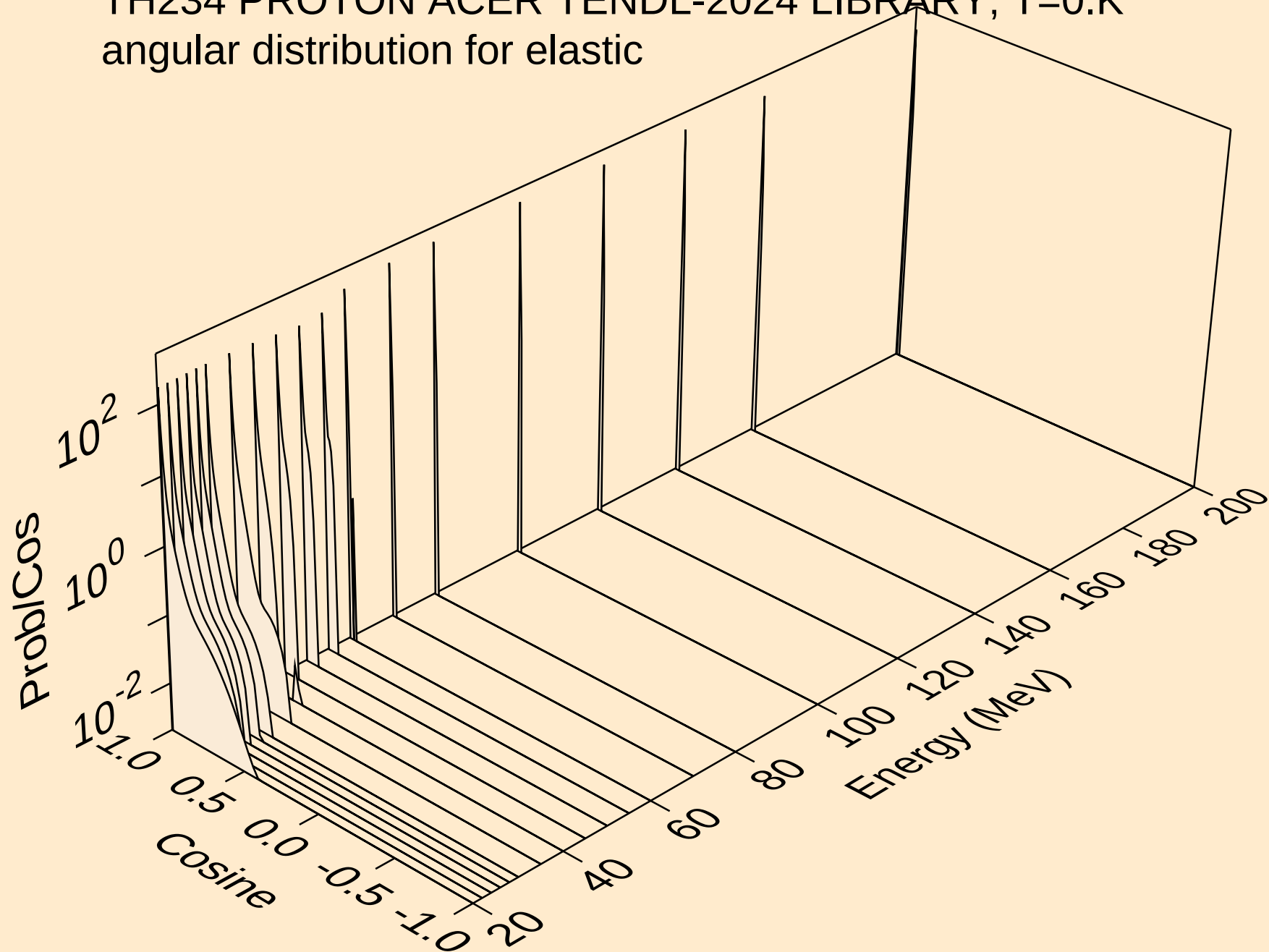
Threshold reactions



TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

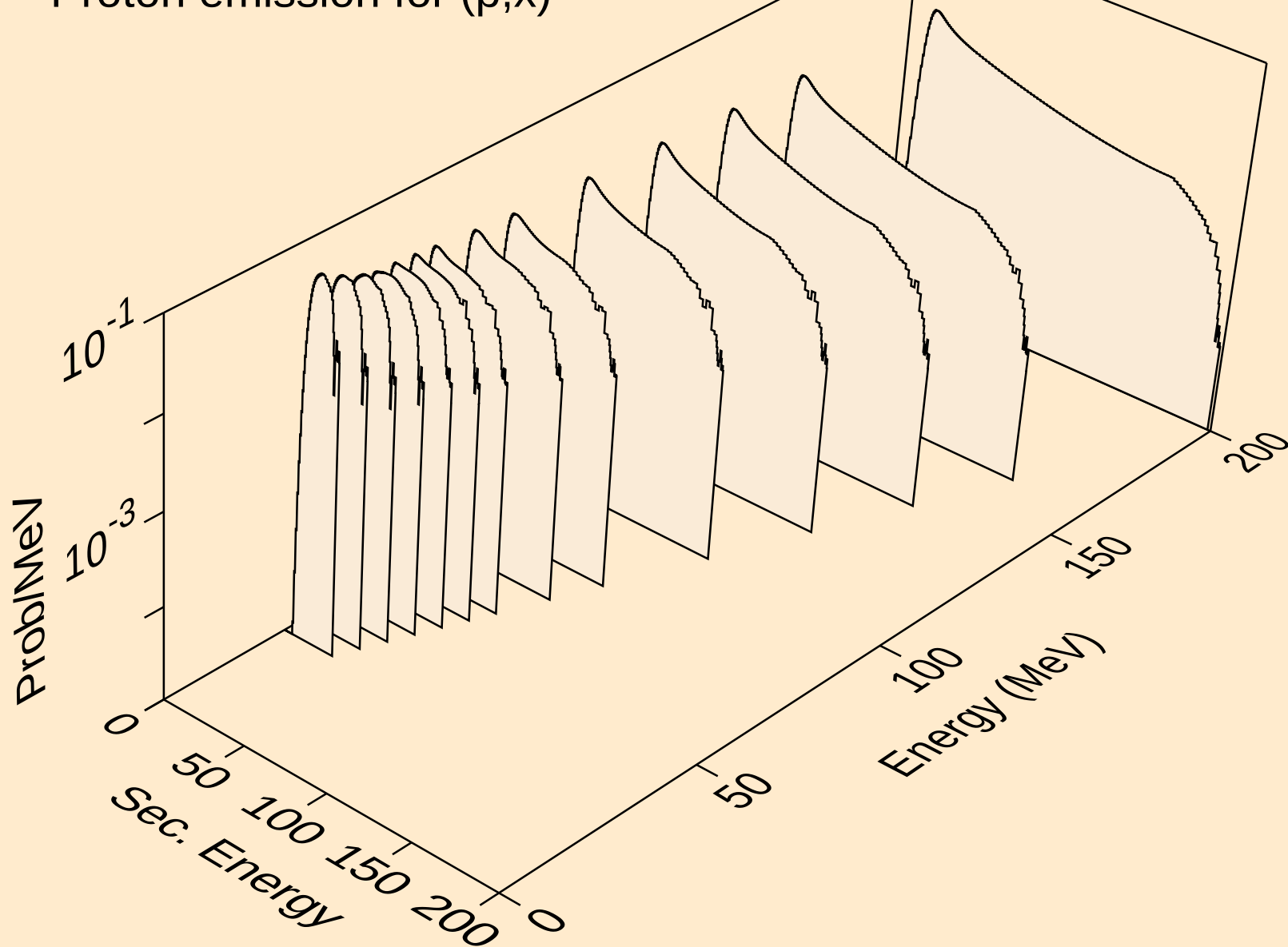


TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



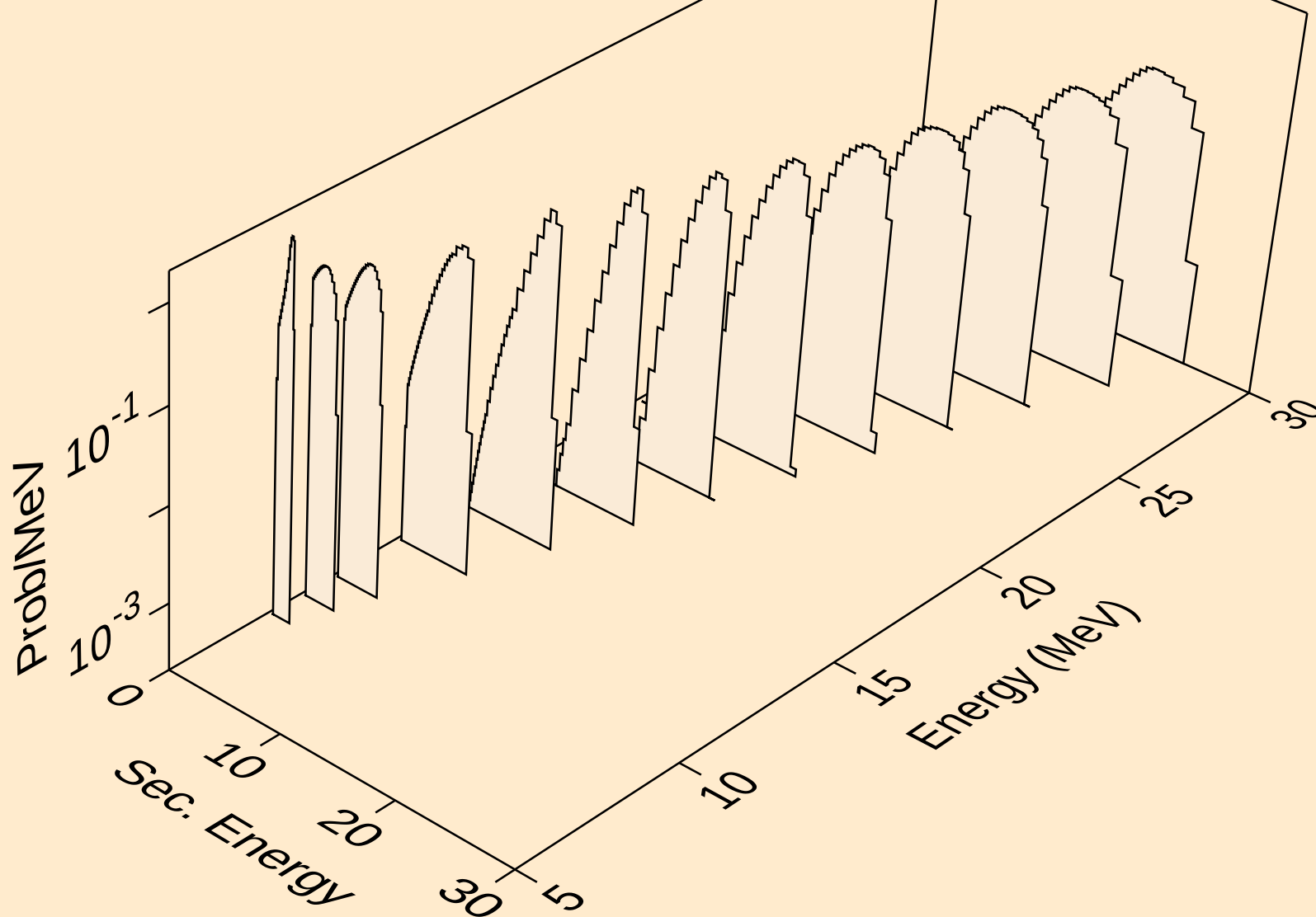
TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Proton emission for (p,x)

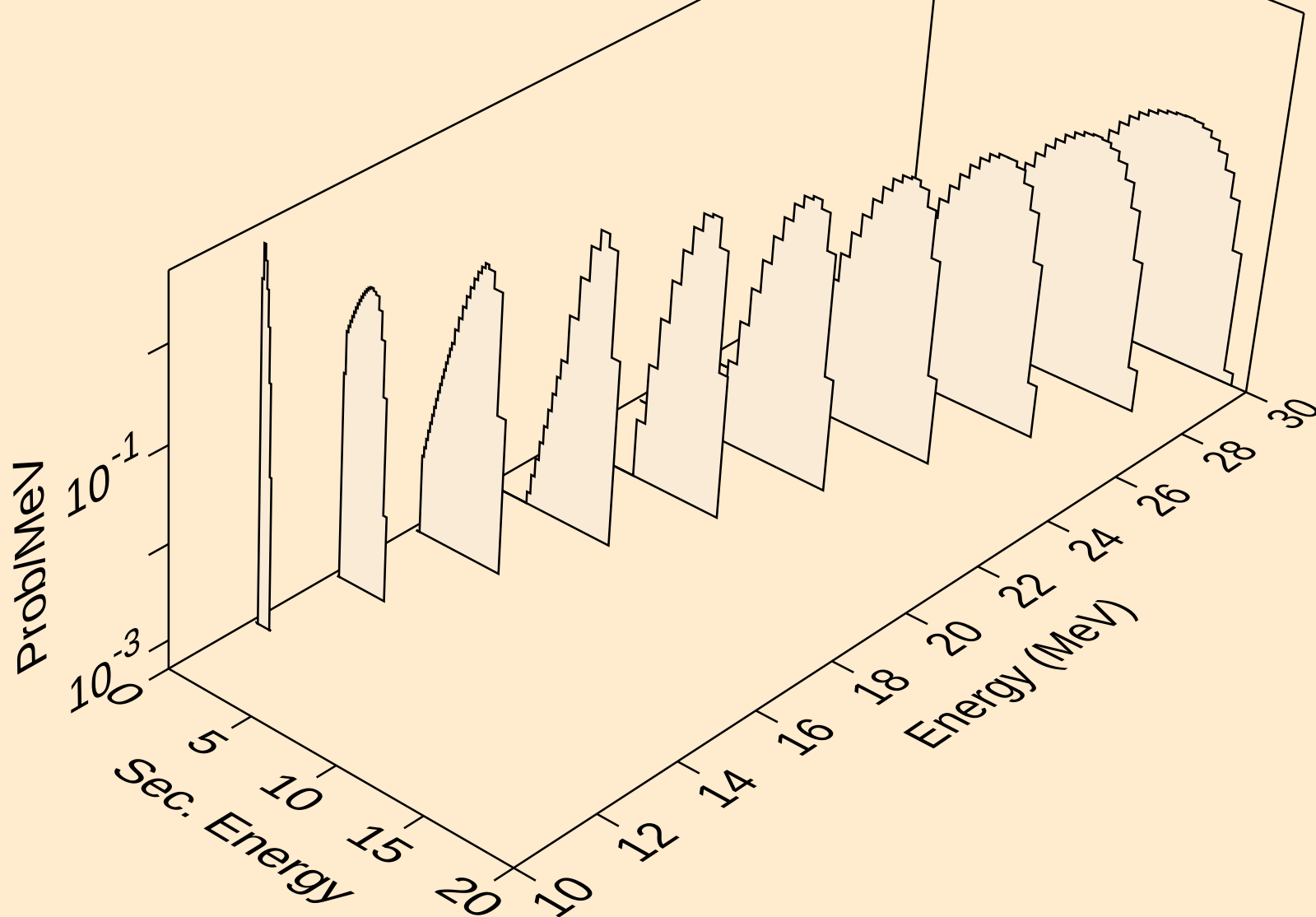


TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K

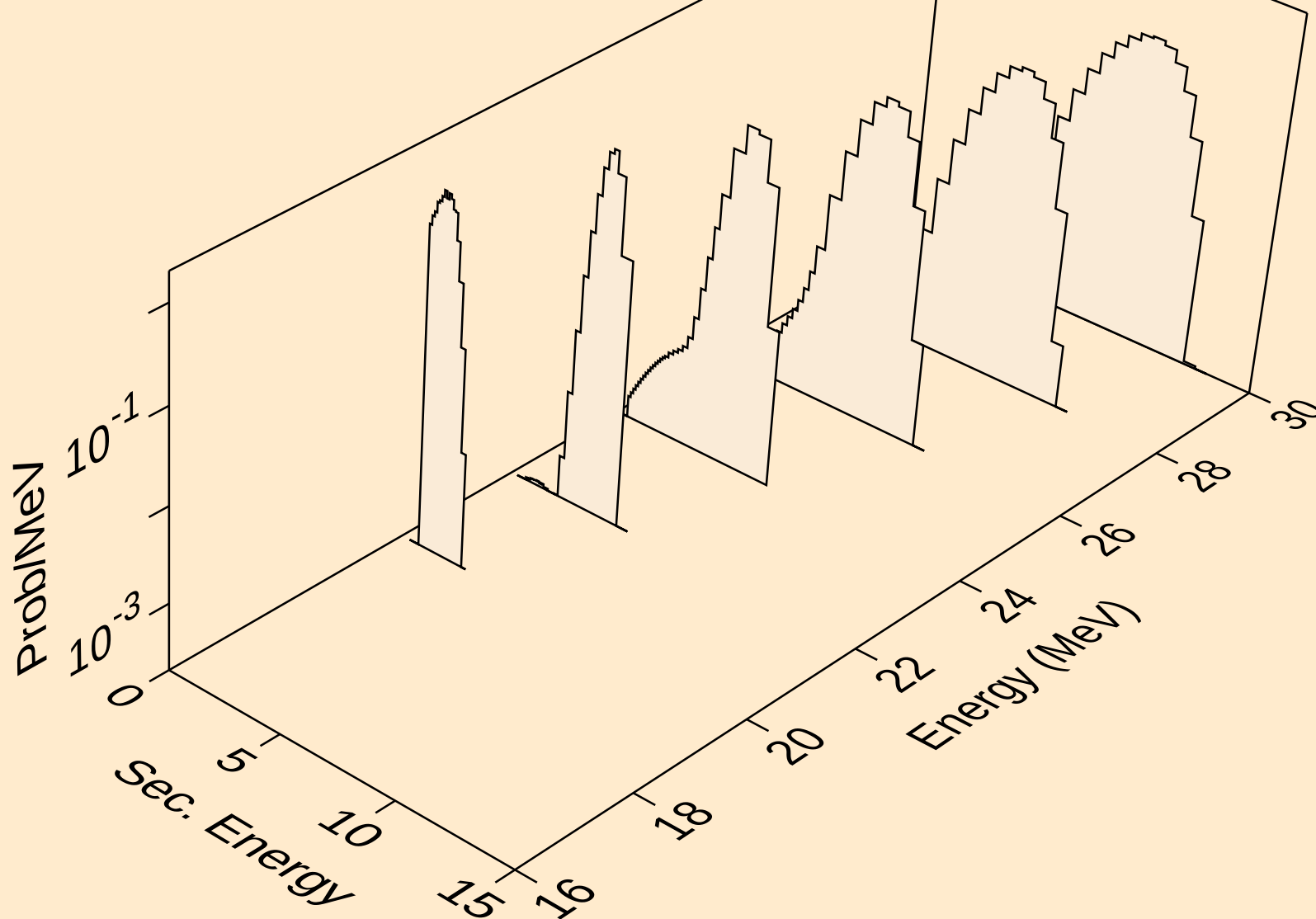
Proton emission for (p,n\*)p



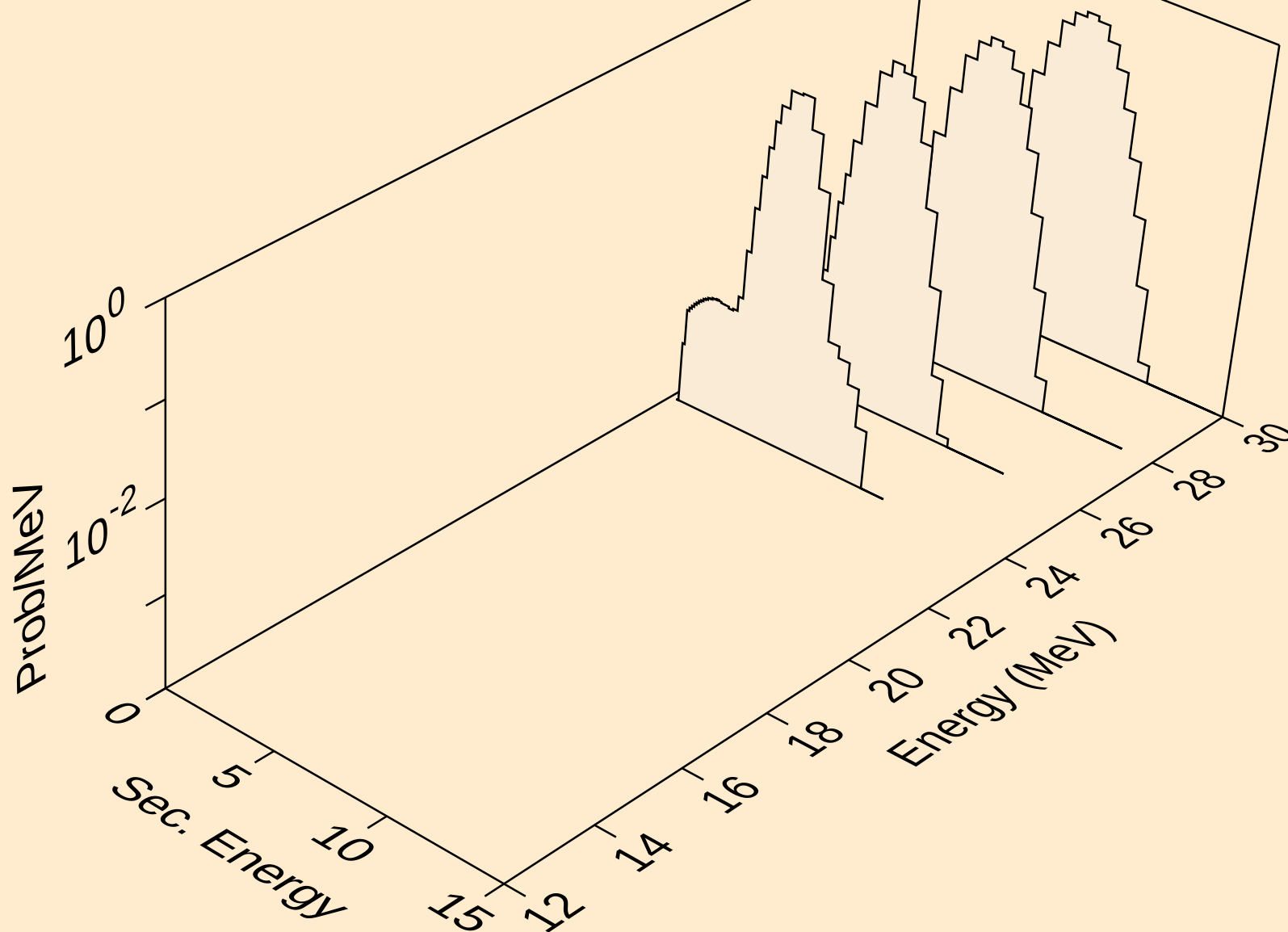
TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,2np)



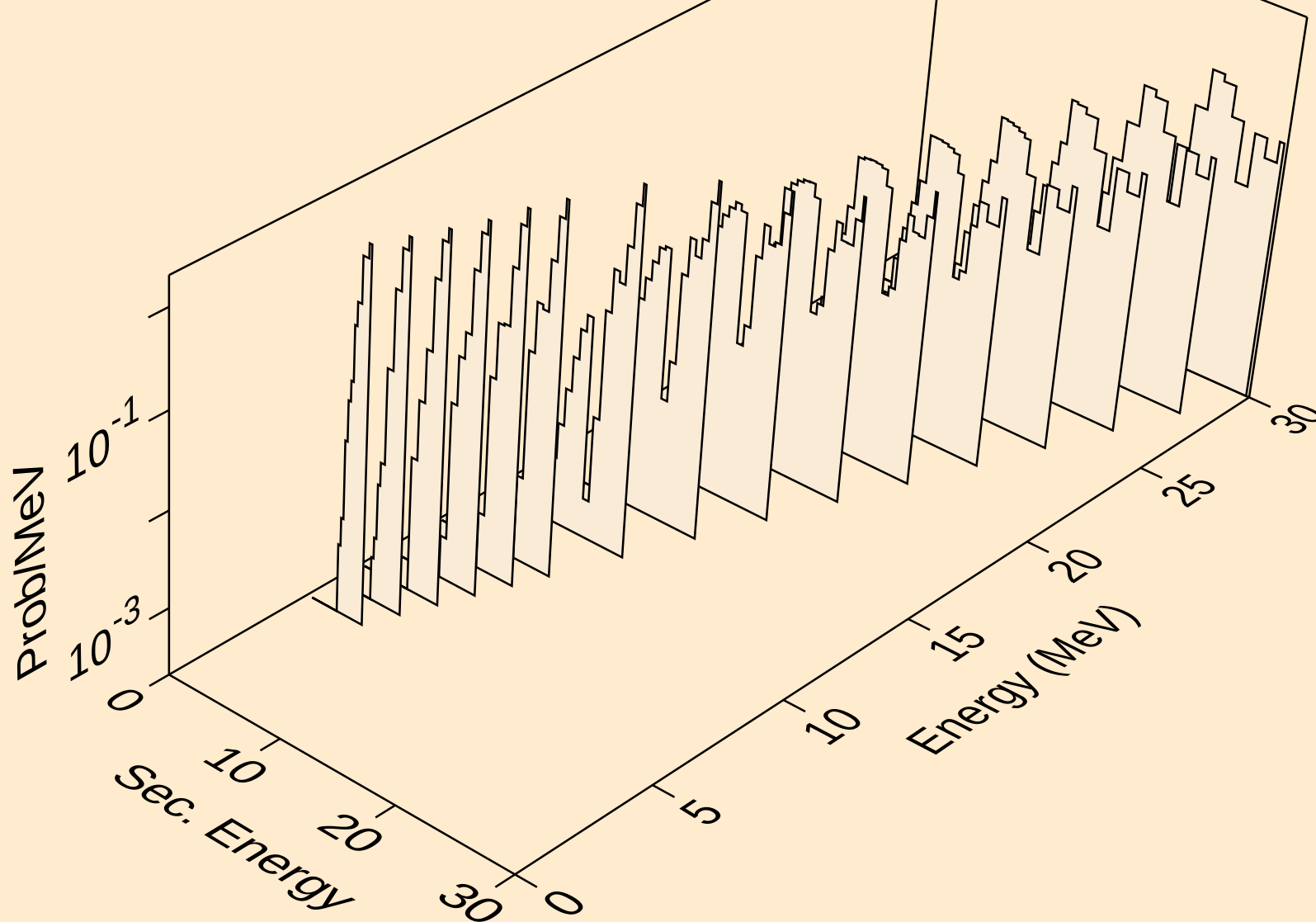
TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,3np)



TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,n2p)

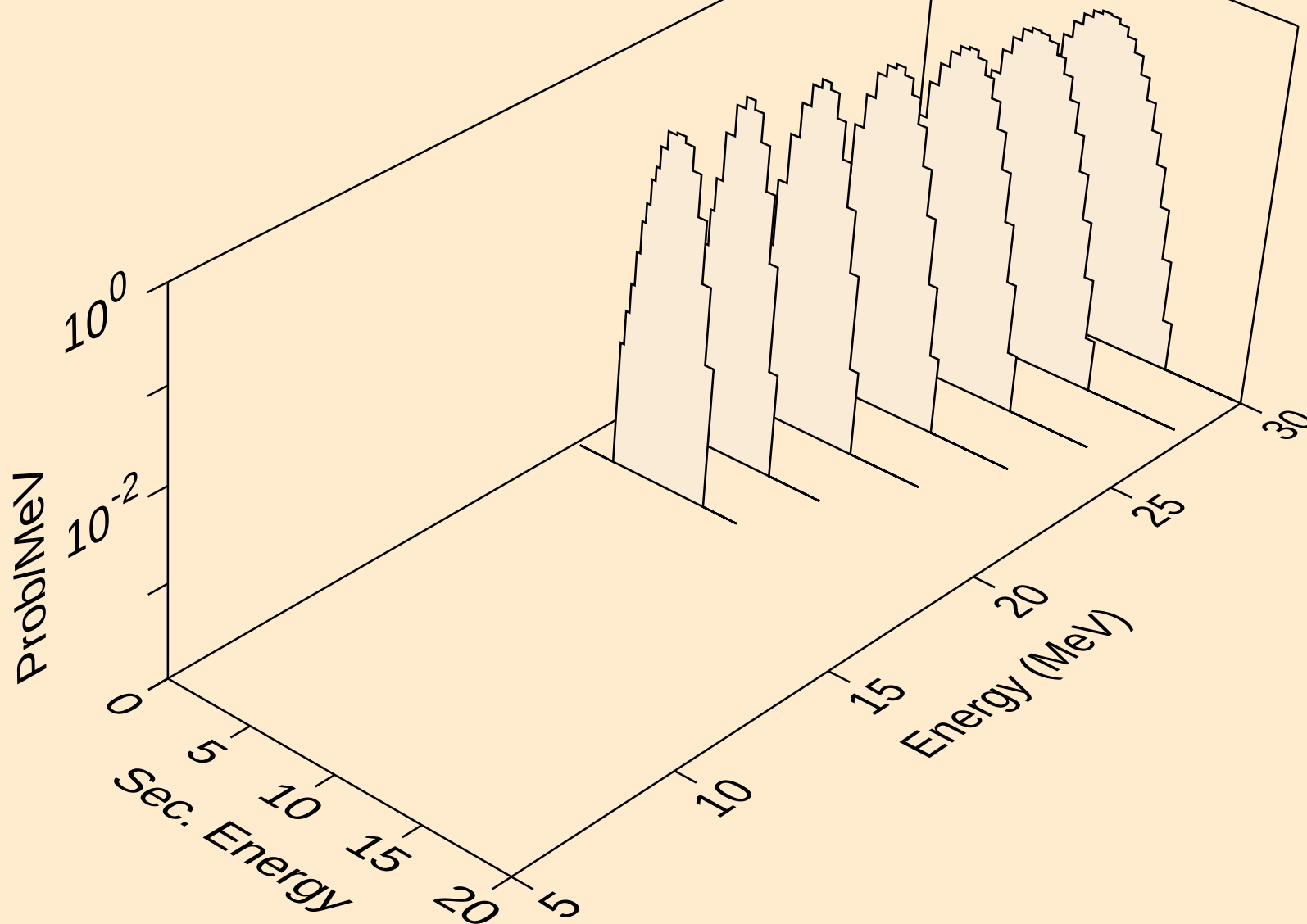


TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for inelastic

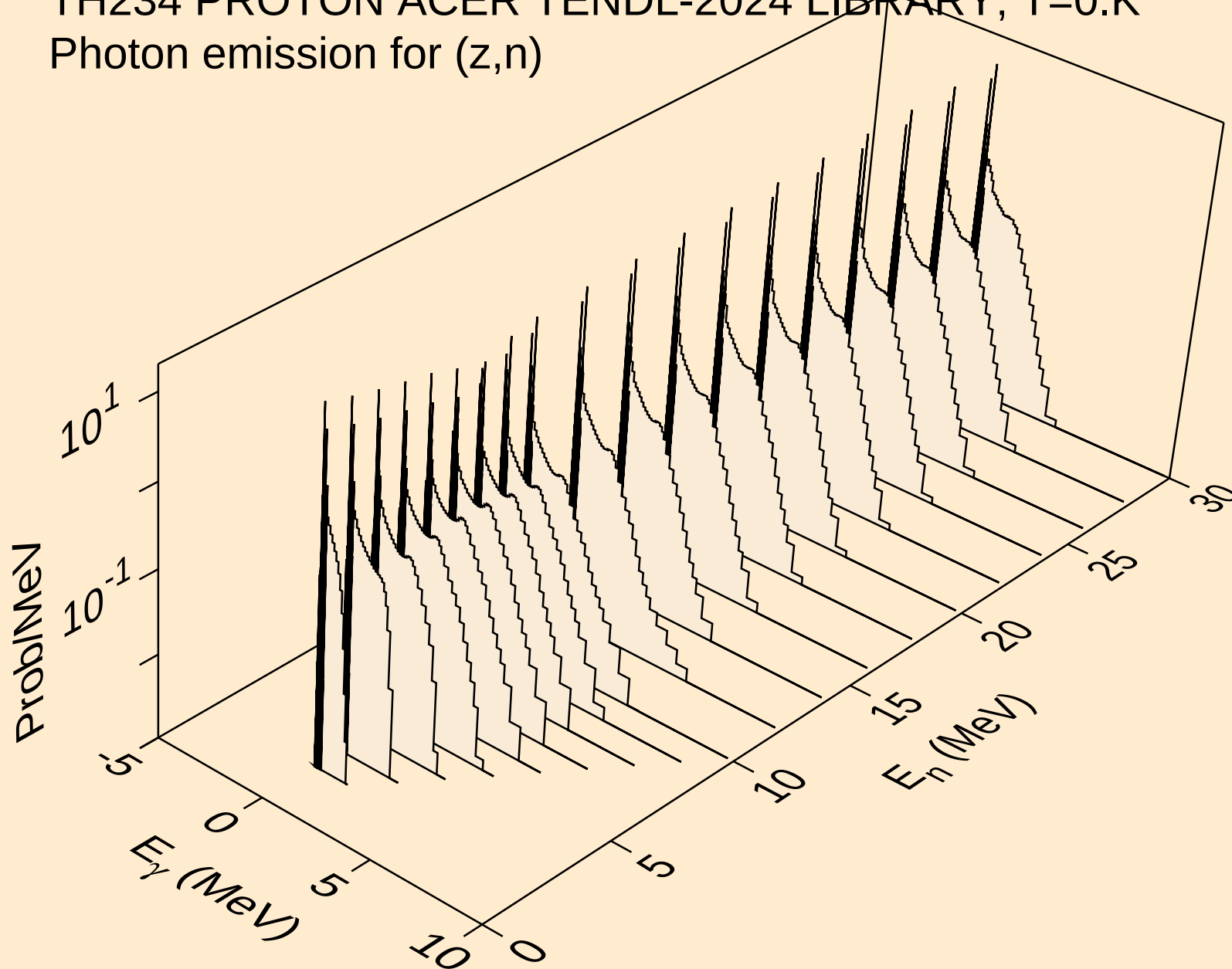


TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Proton emission for (p,2p)

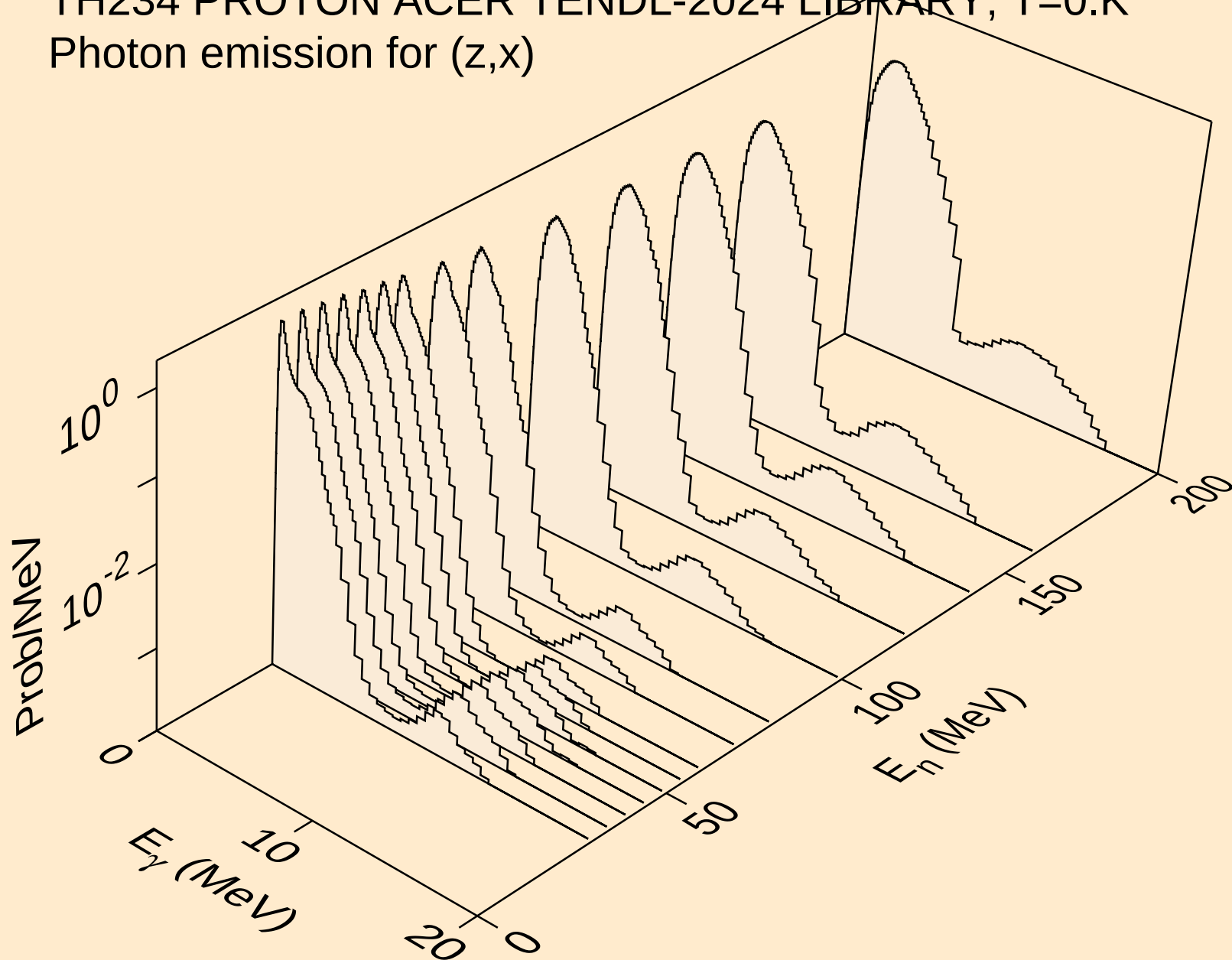


TH234 PROTON ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (z,n)

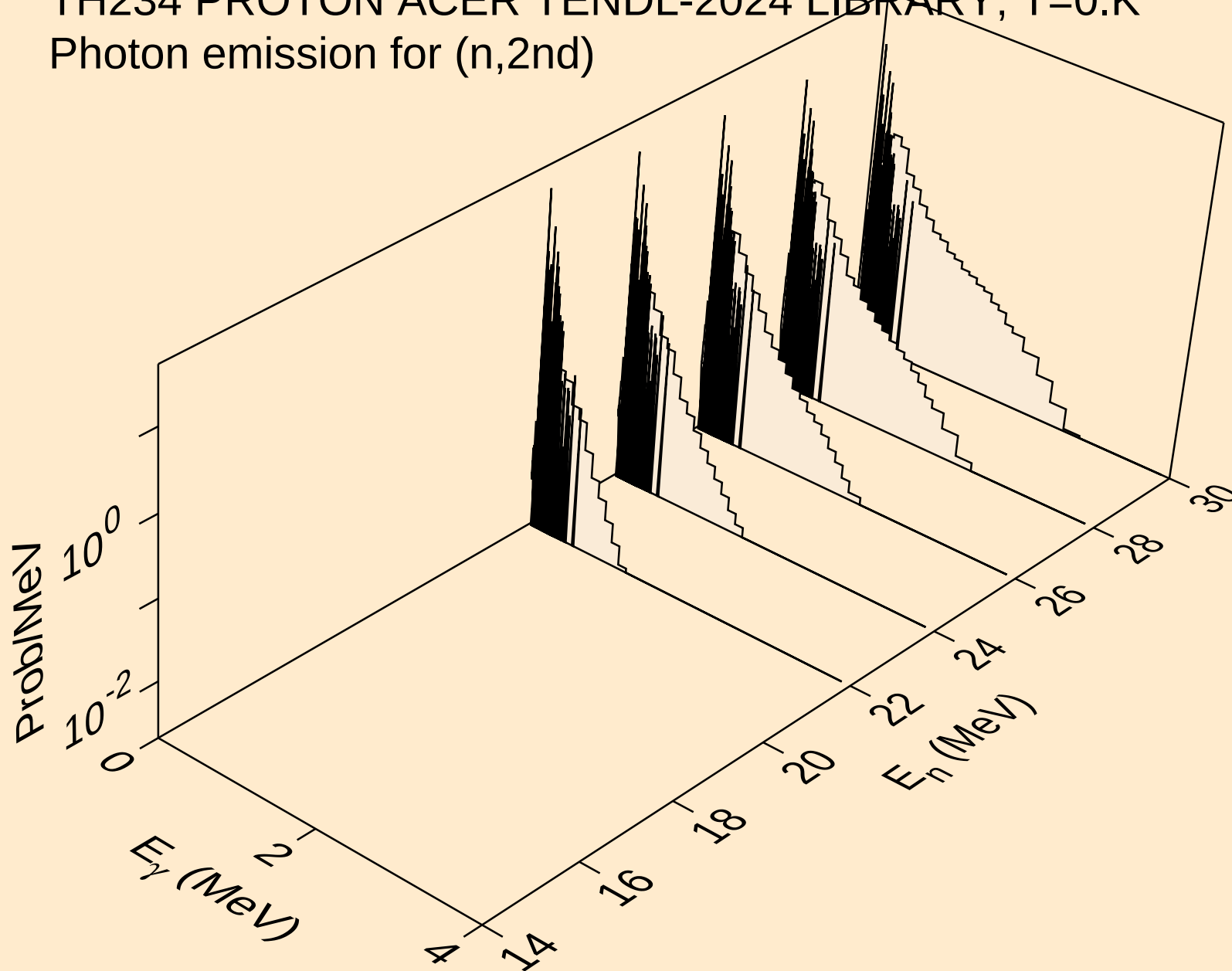


TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K

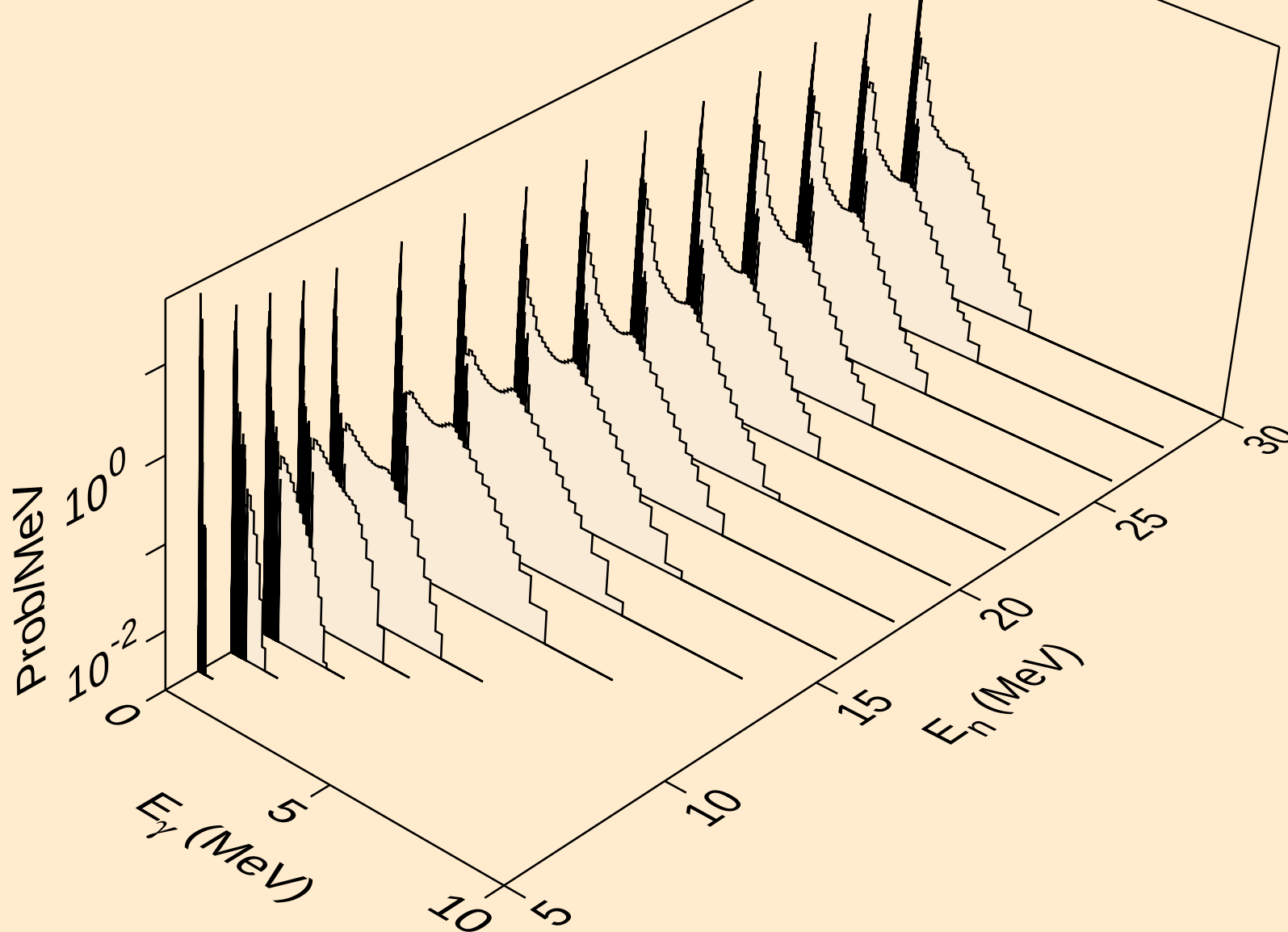
Photon emission for (z,x)



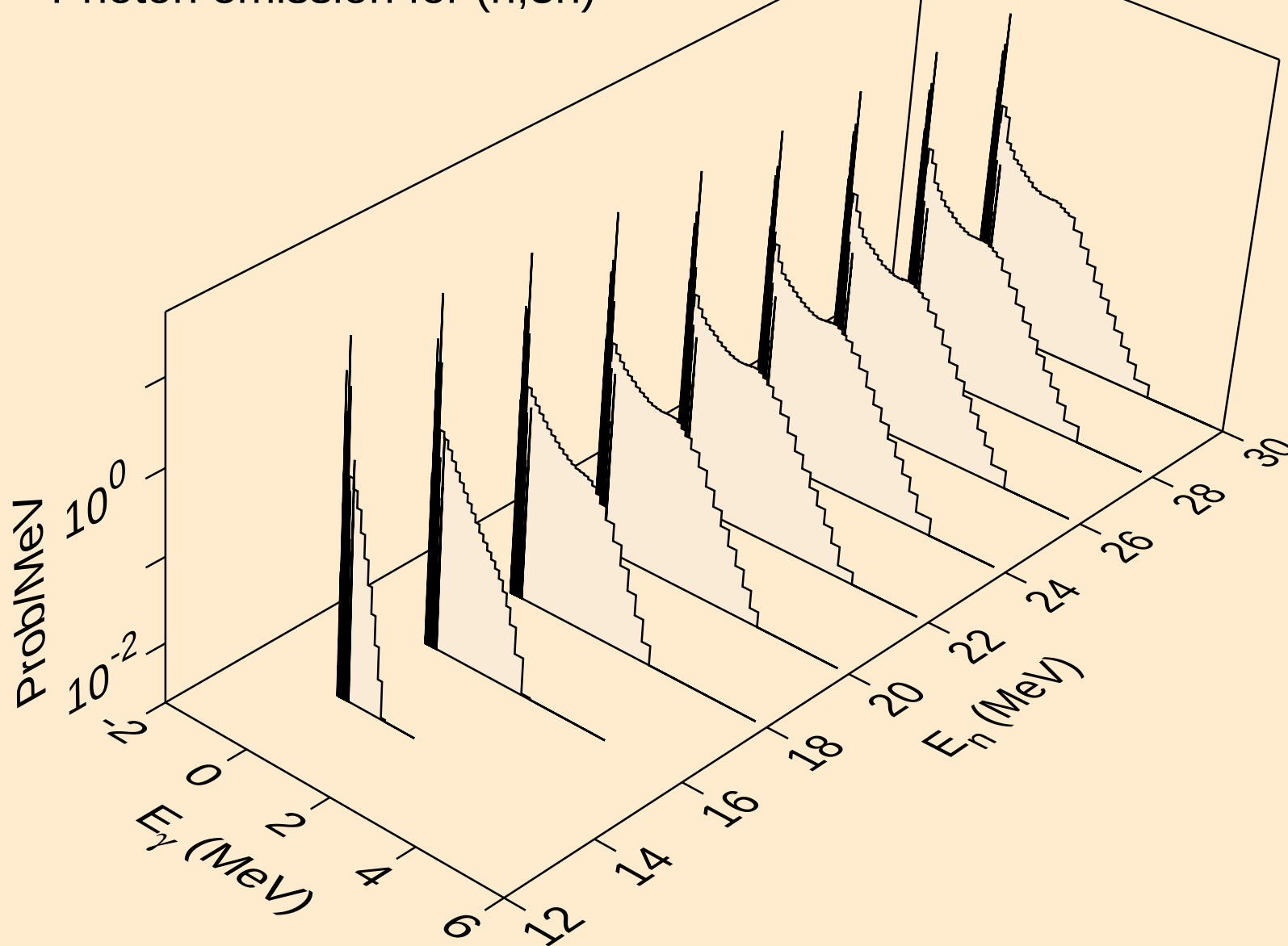
TH234 PROTON ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (n,2nd)



TH234 PROTON ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (n,2n)

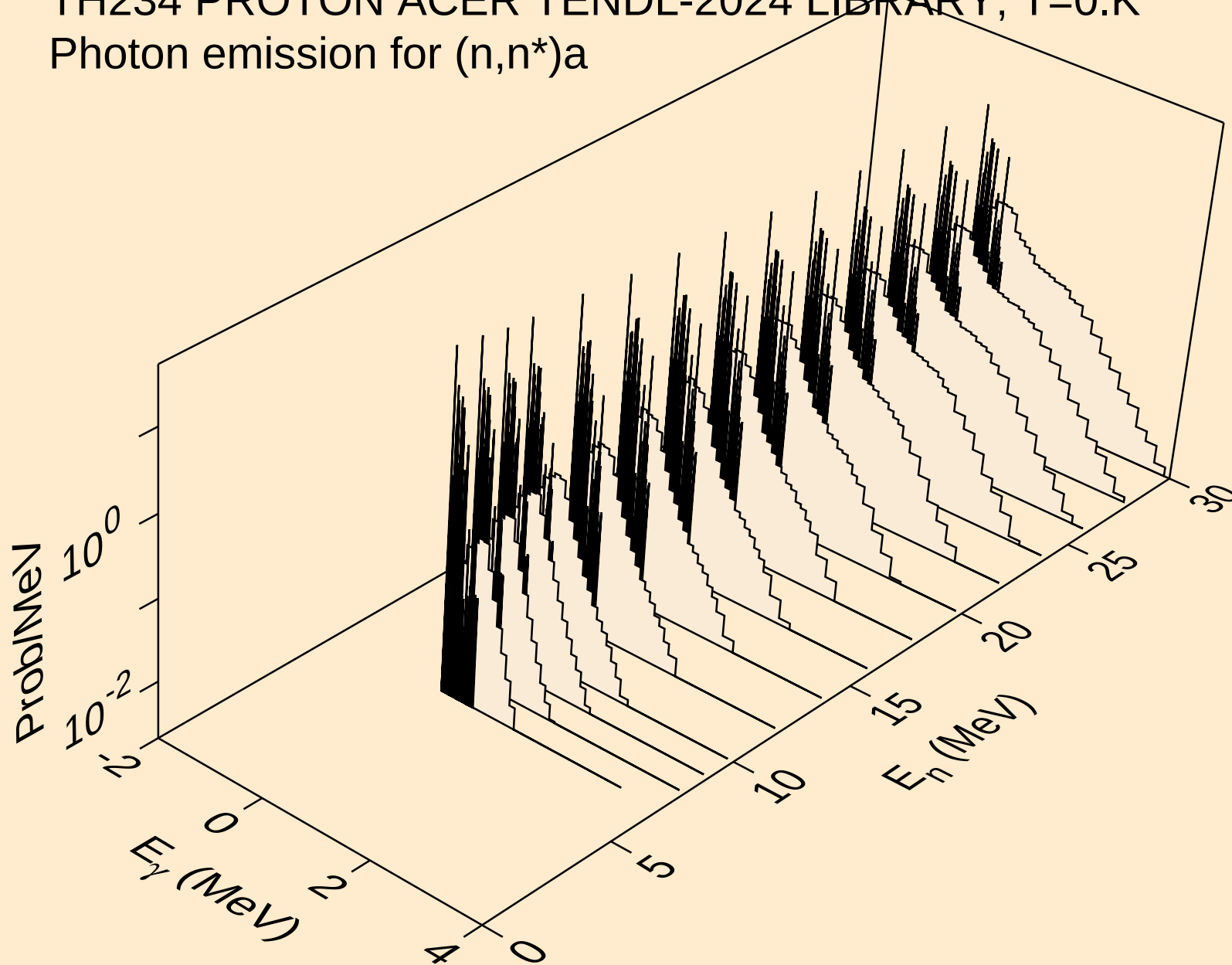


TH234 PROTON ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (n,3n)



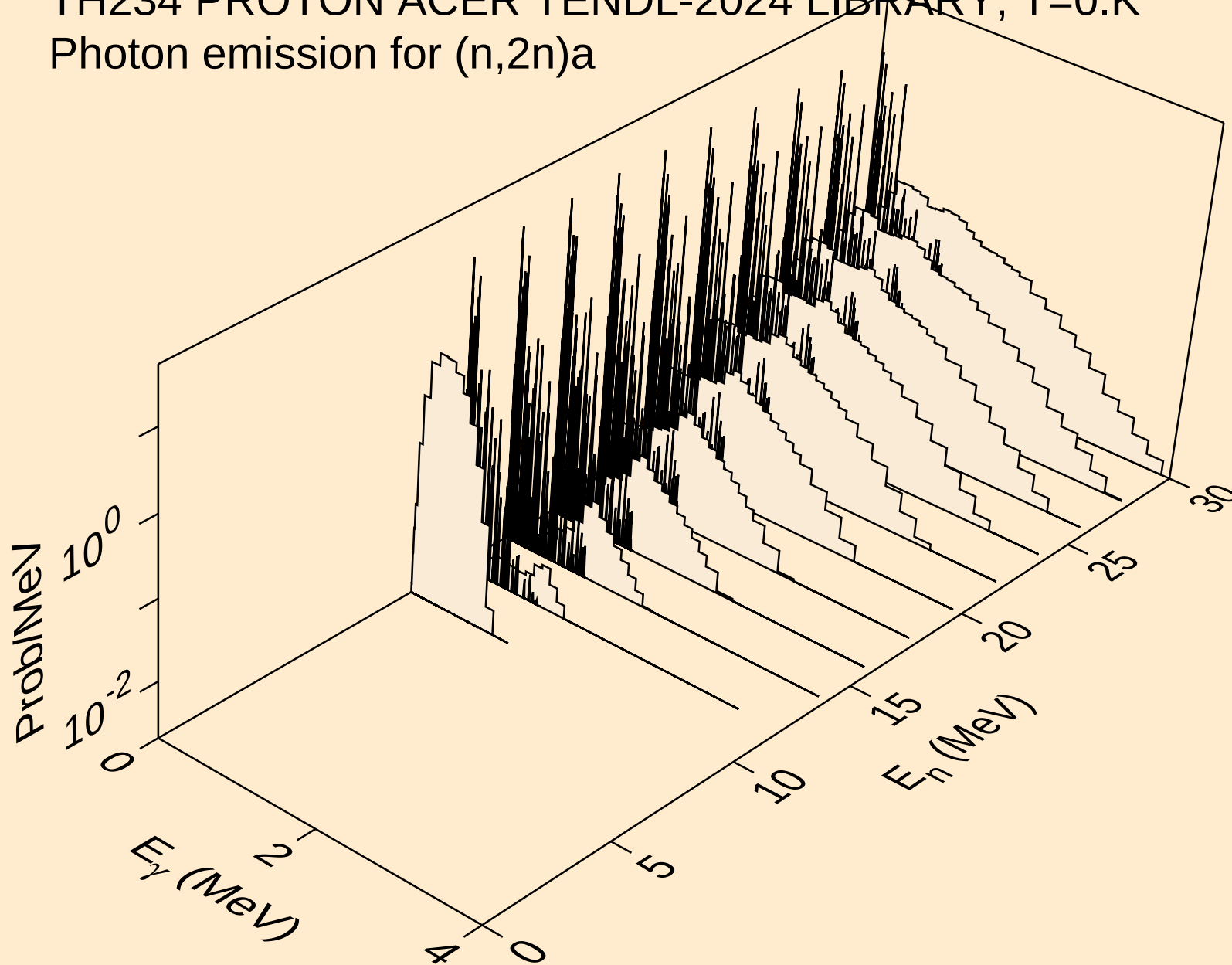
TH234 PROTON ACER TENDL-2024 LIBRARY;  $T=0.K$

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



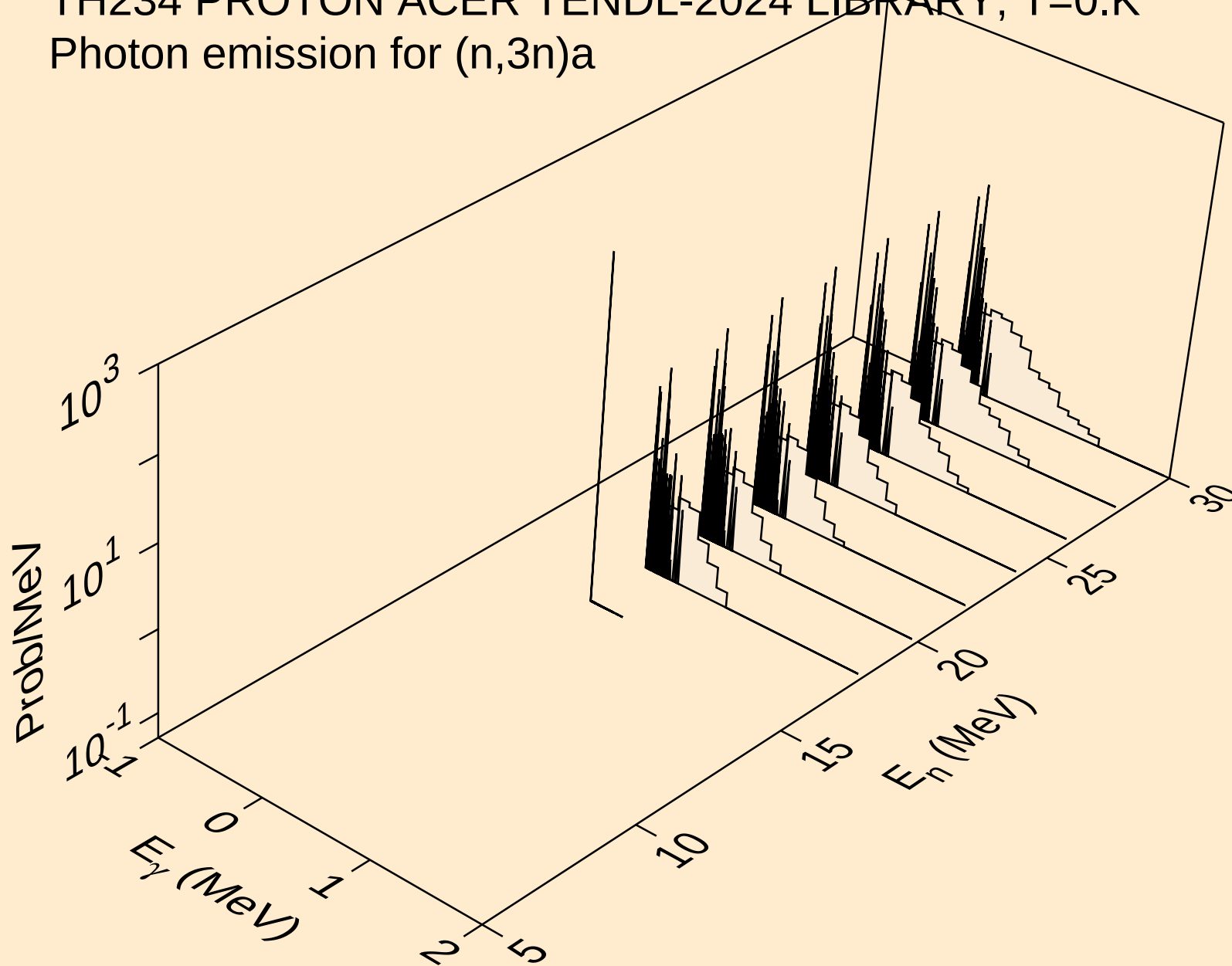
TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,2n) $\alpha$



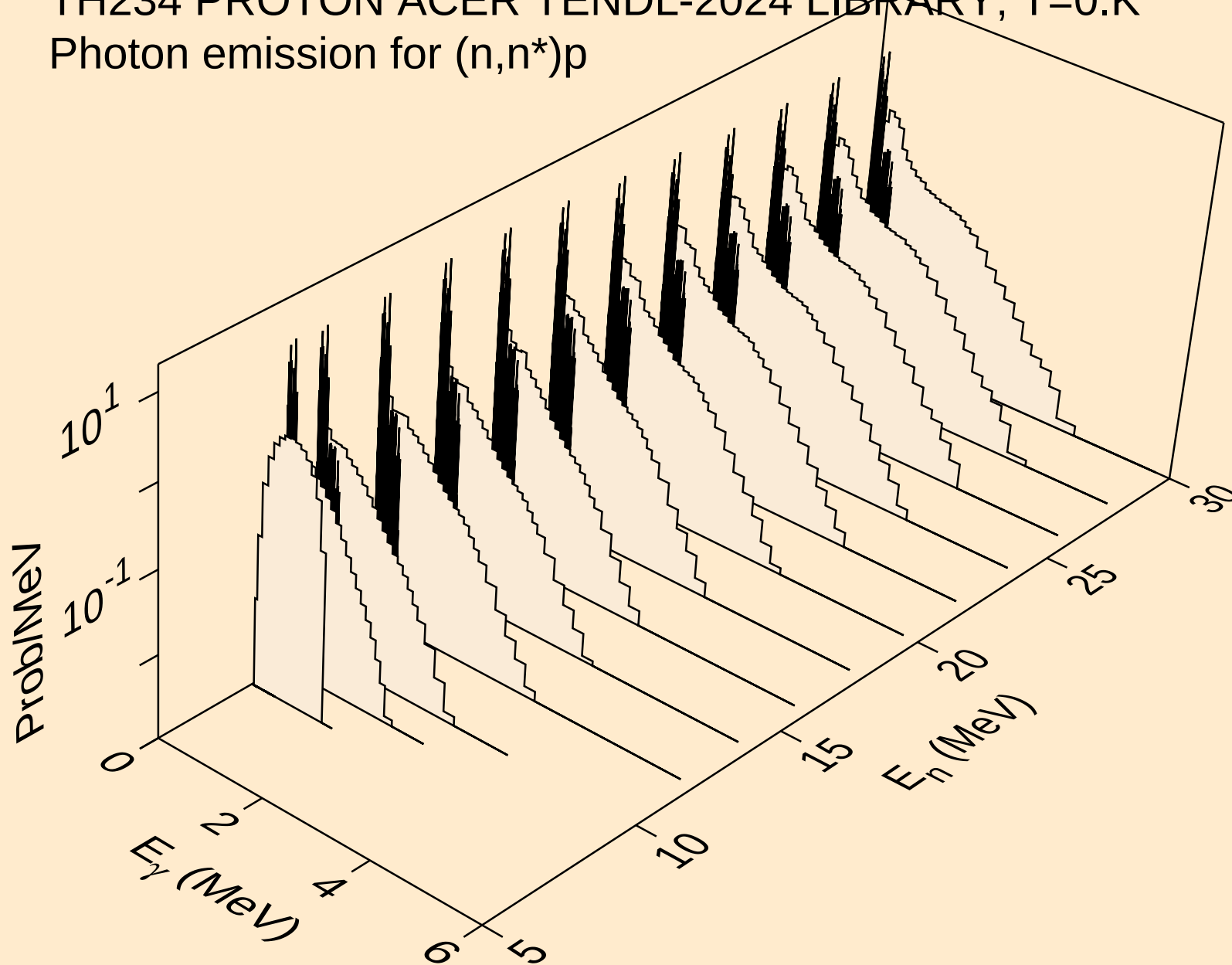
TH234 PROTON ACER TENDL-2024 LIBRARY;  $T=0.K$

Photon emission for  $(n,3n)\alpha$



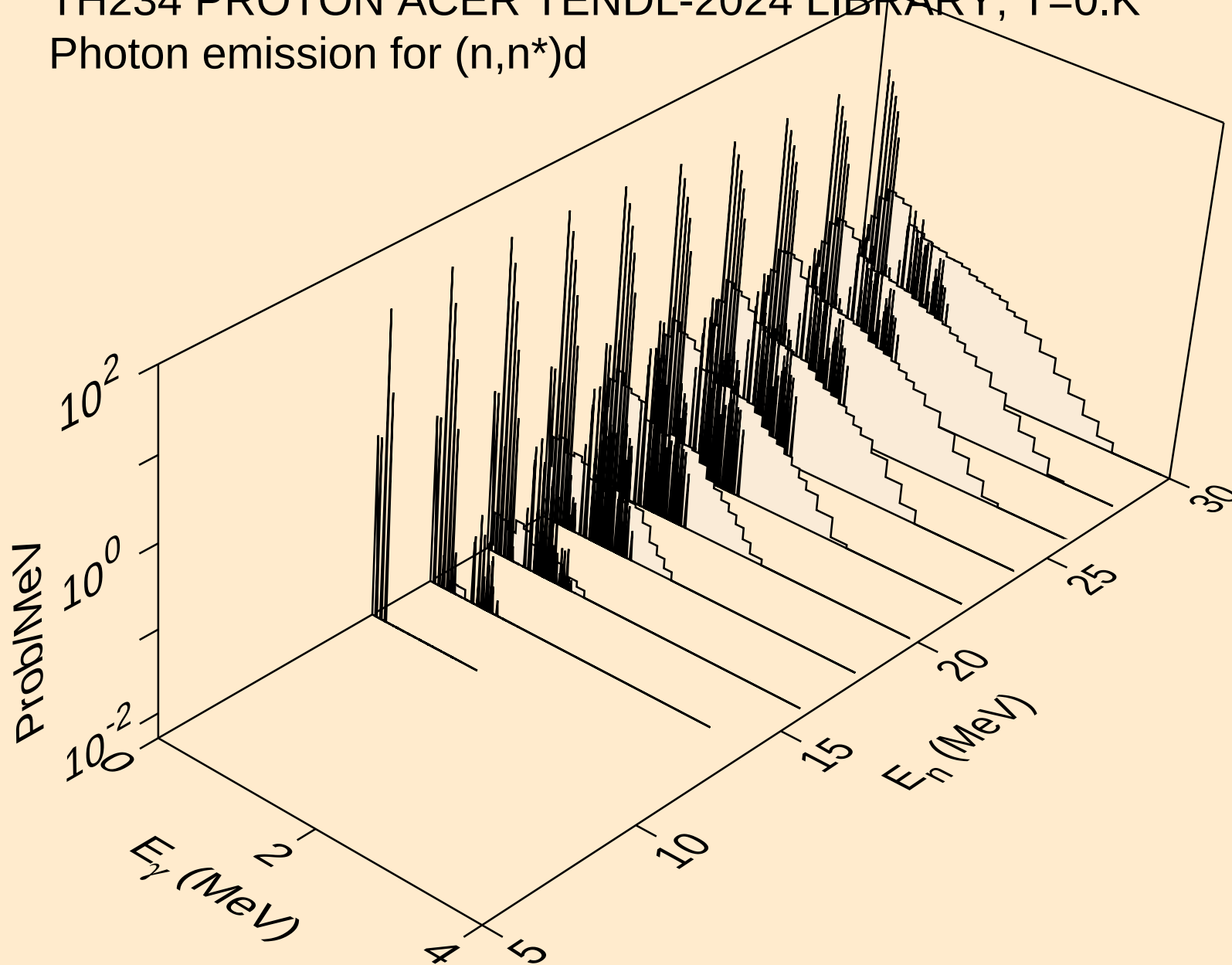
TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)p



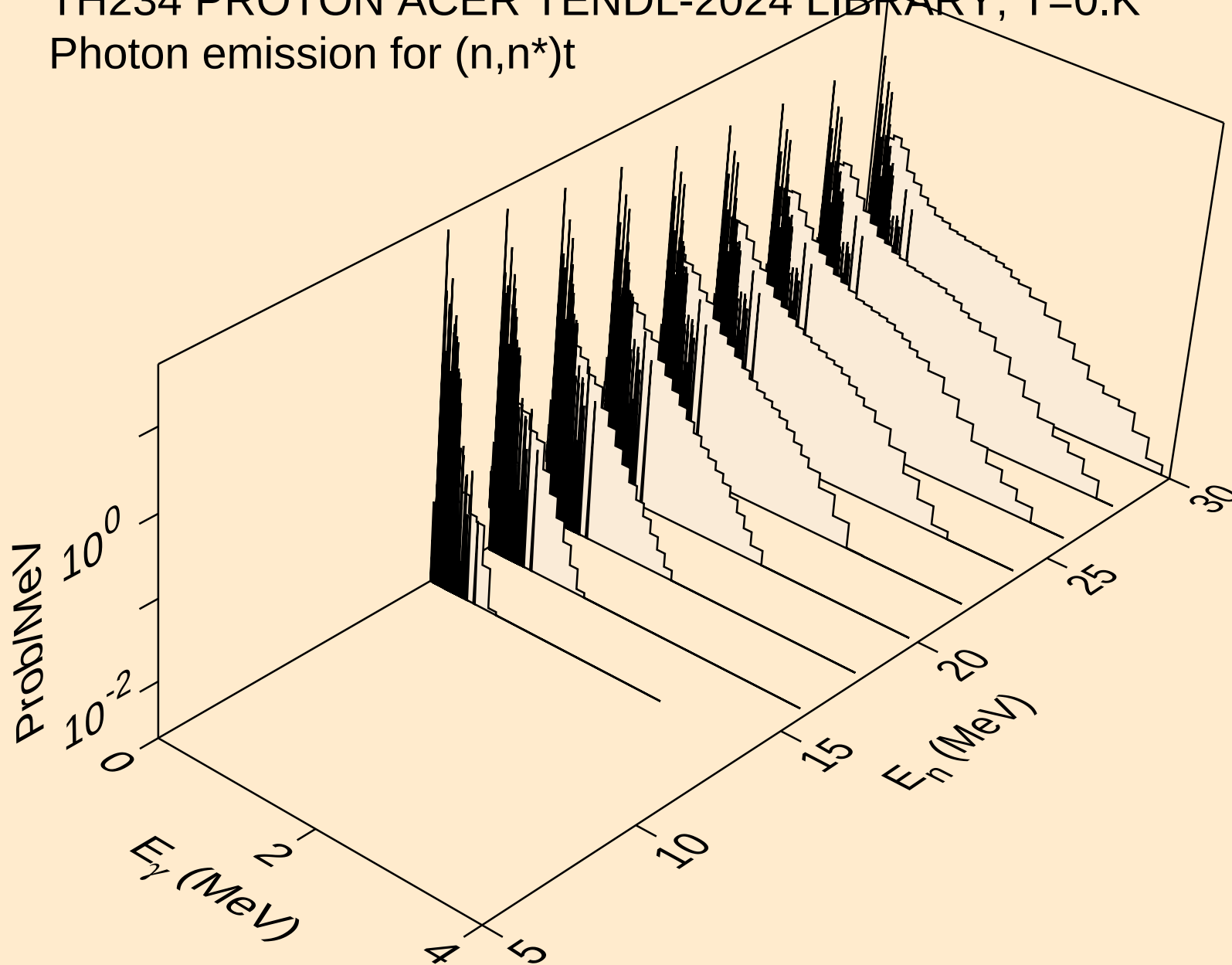
# TH234 PROTON ACER TENDL-2024 LIBRARY; $T=0.K$

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

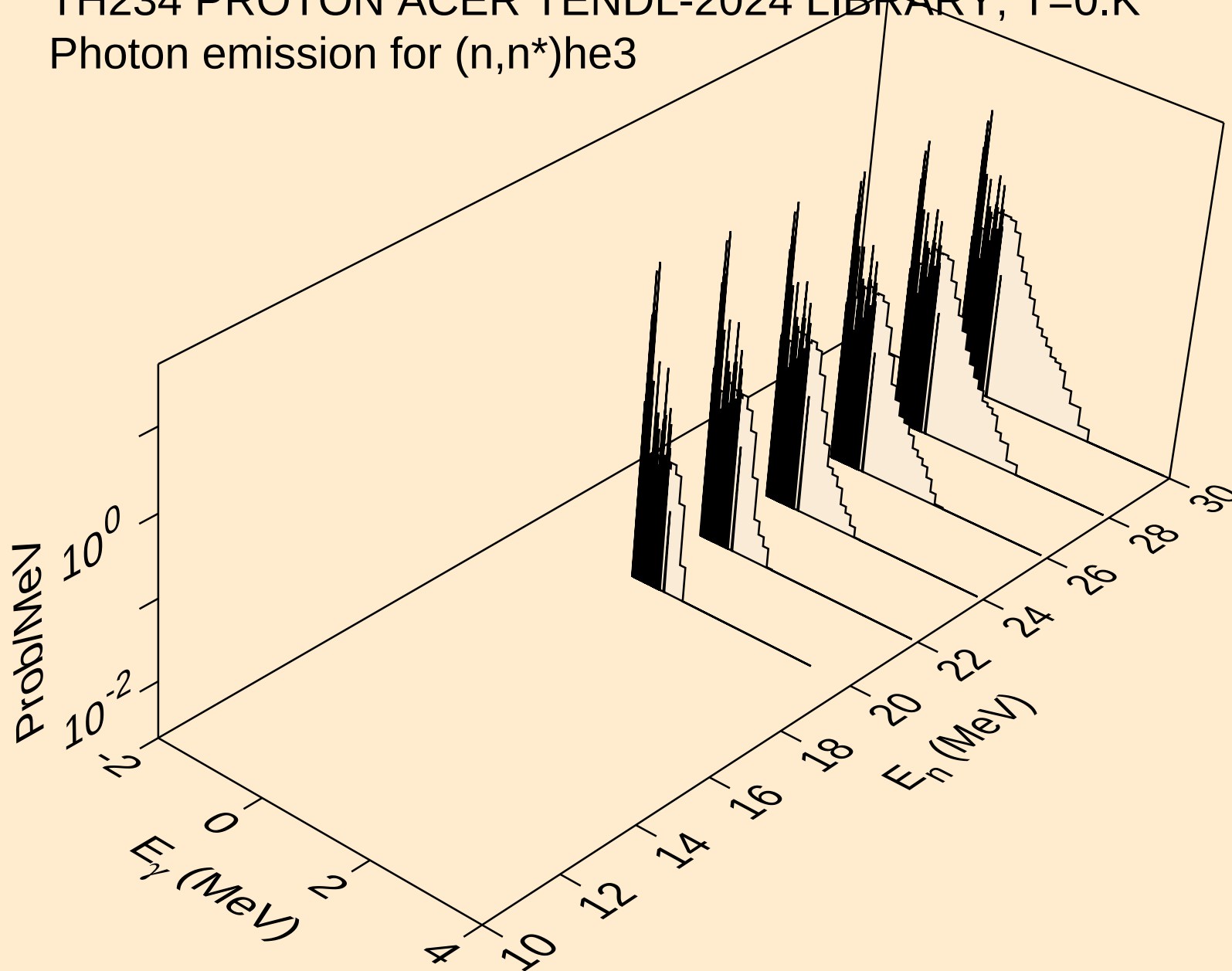


TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K

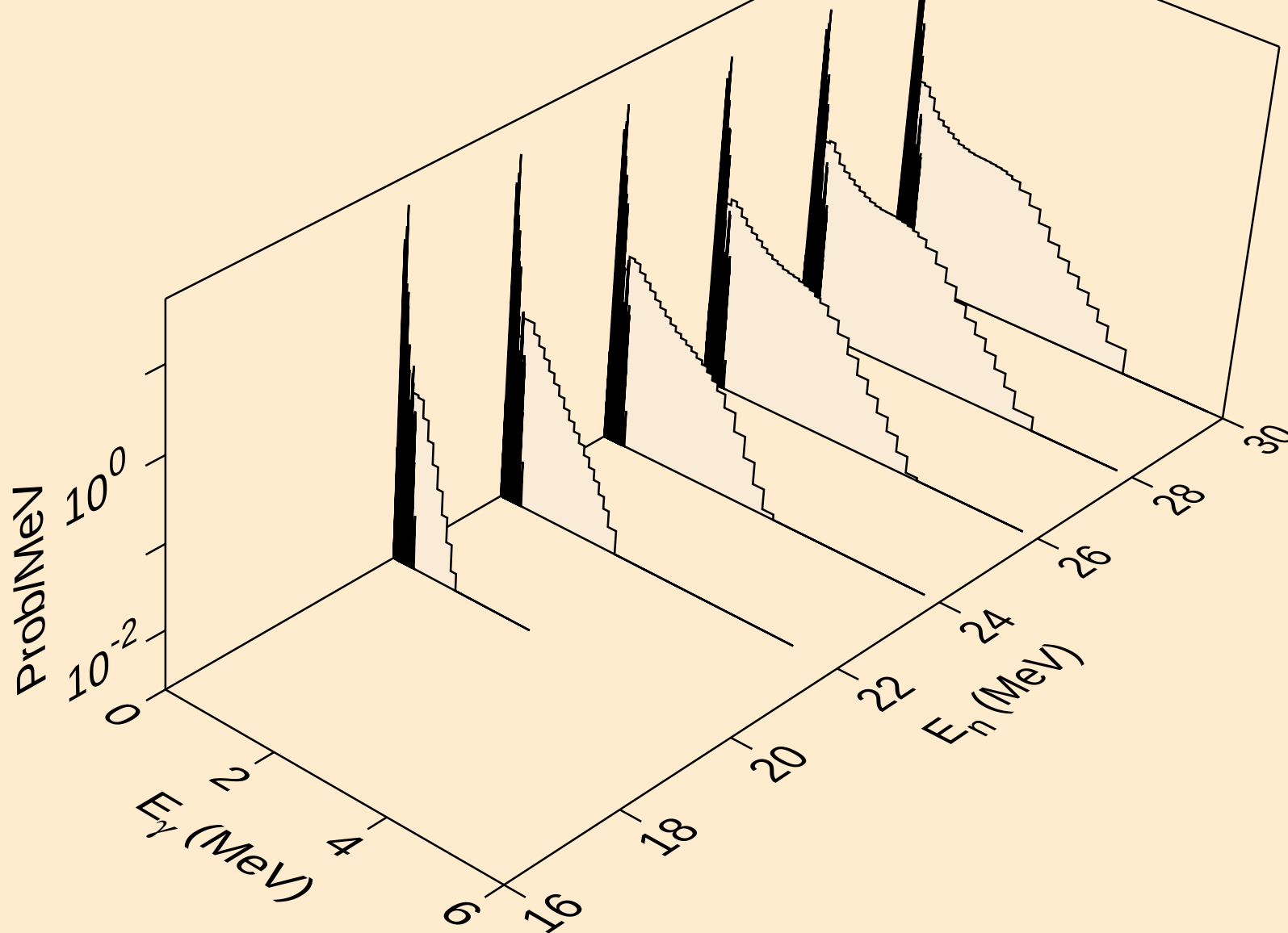
Photon emission for (n,n\*)t



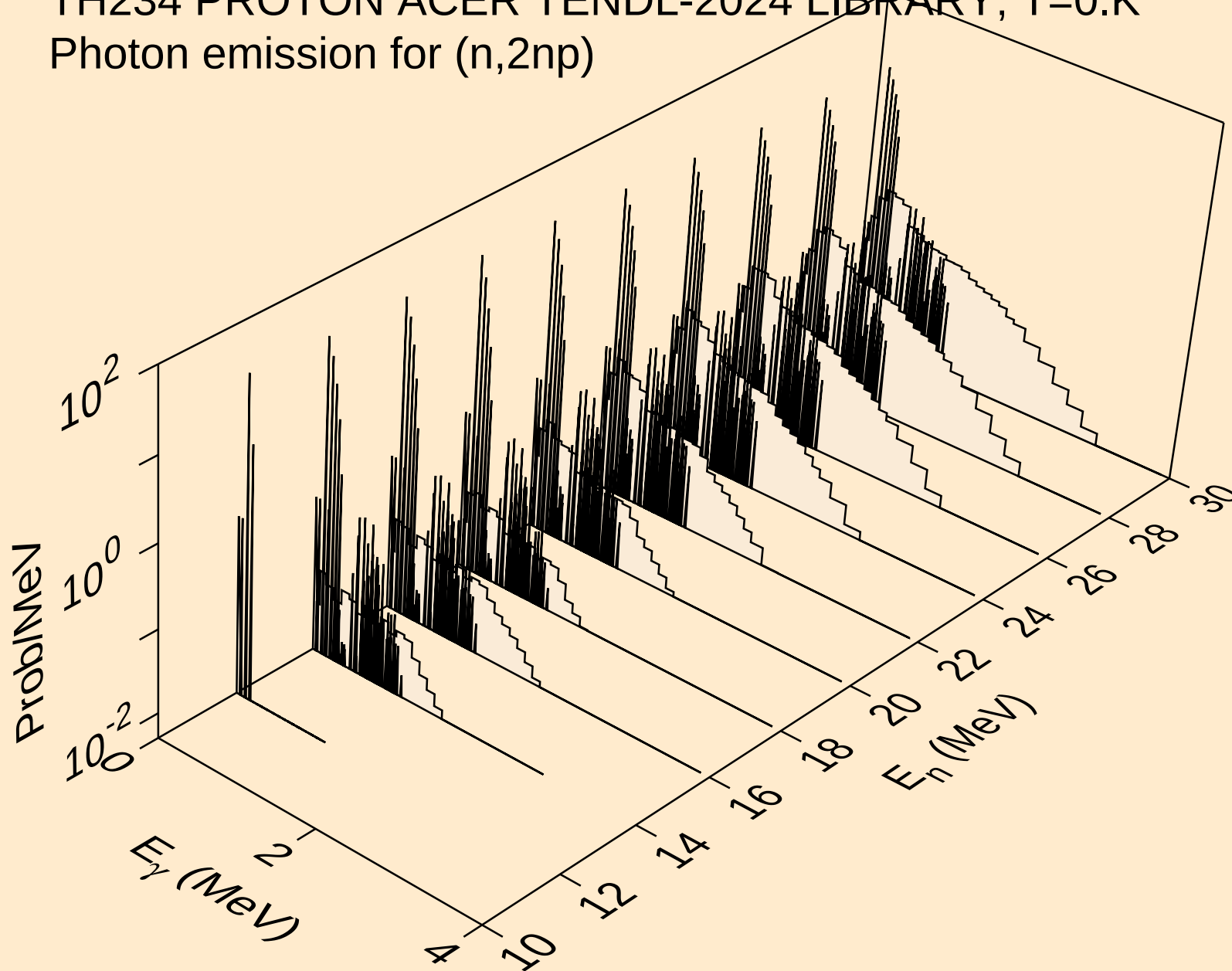
TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



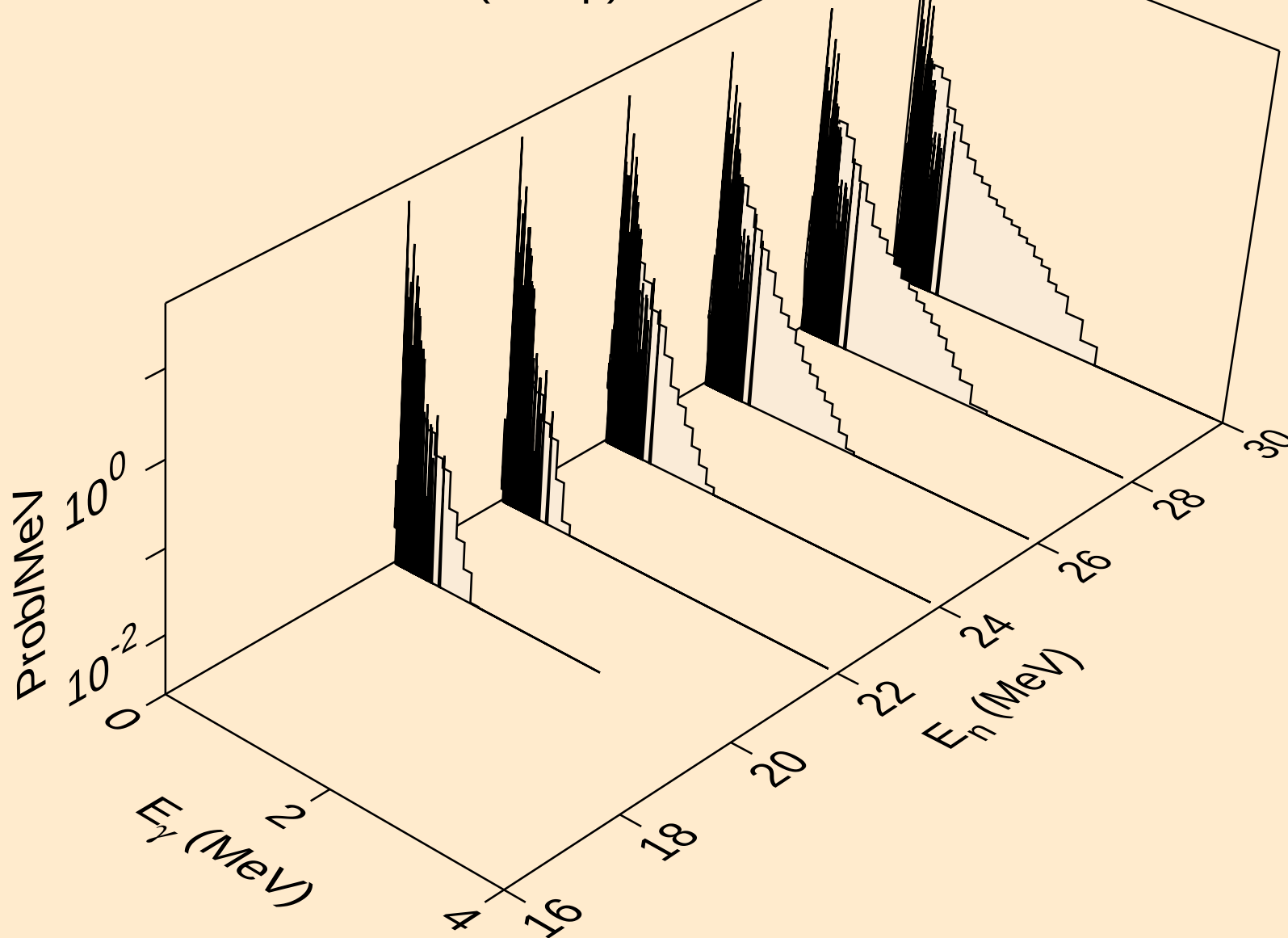
TH234 PROTON ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (n,4n)



TH234 PROTON ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (n,2np)

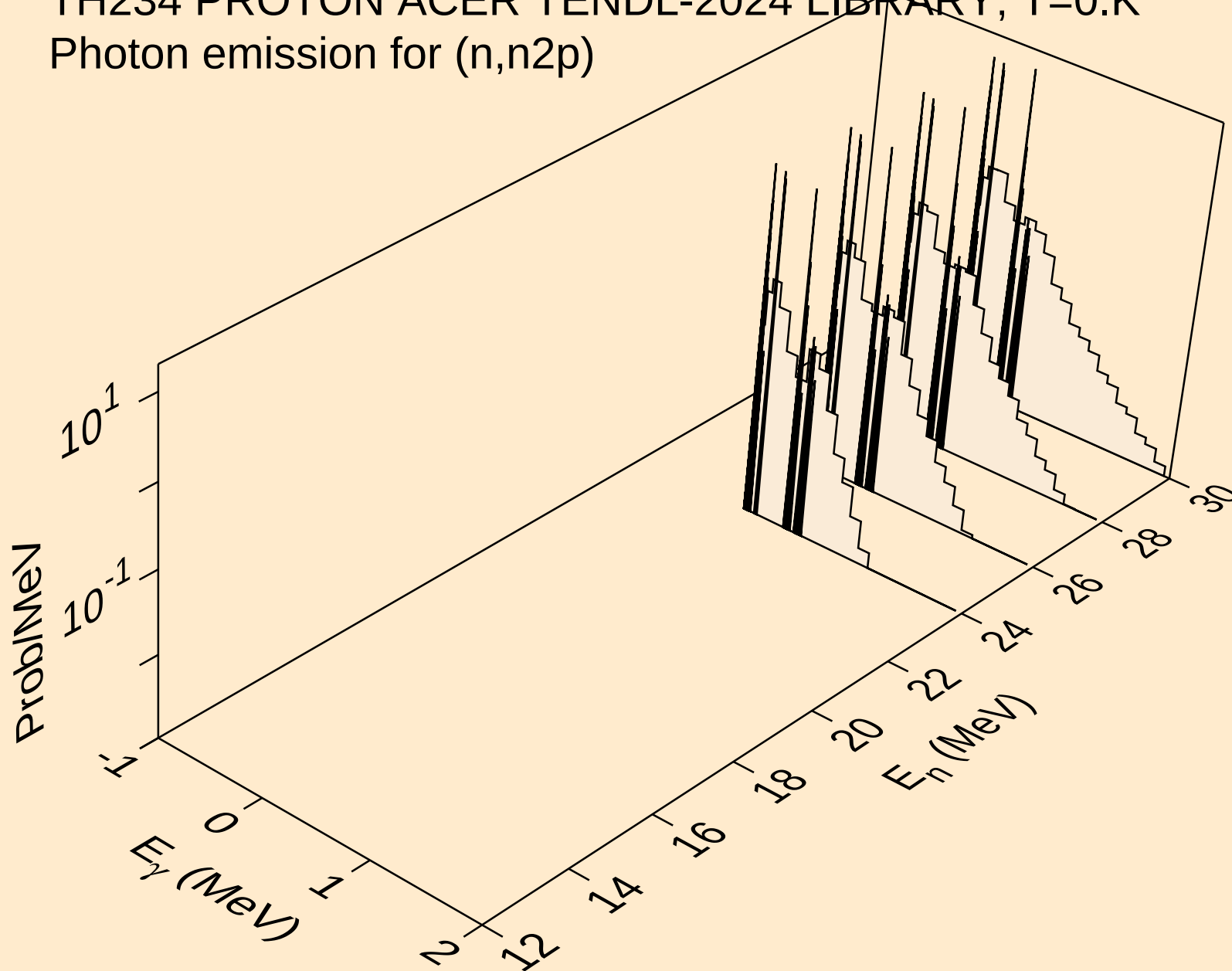


TH234 PROTON ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (n,3np)

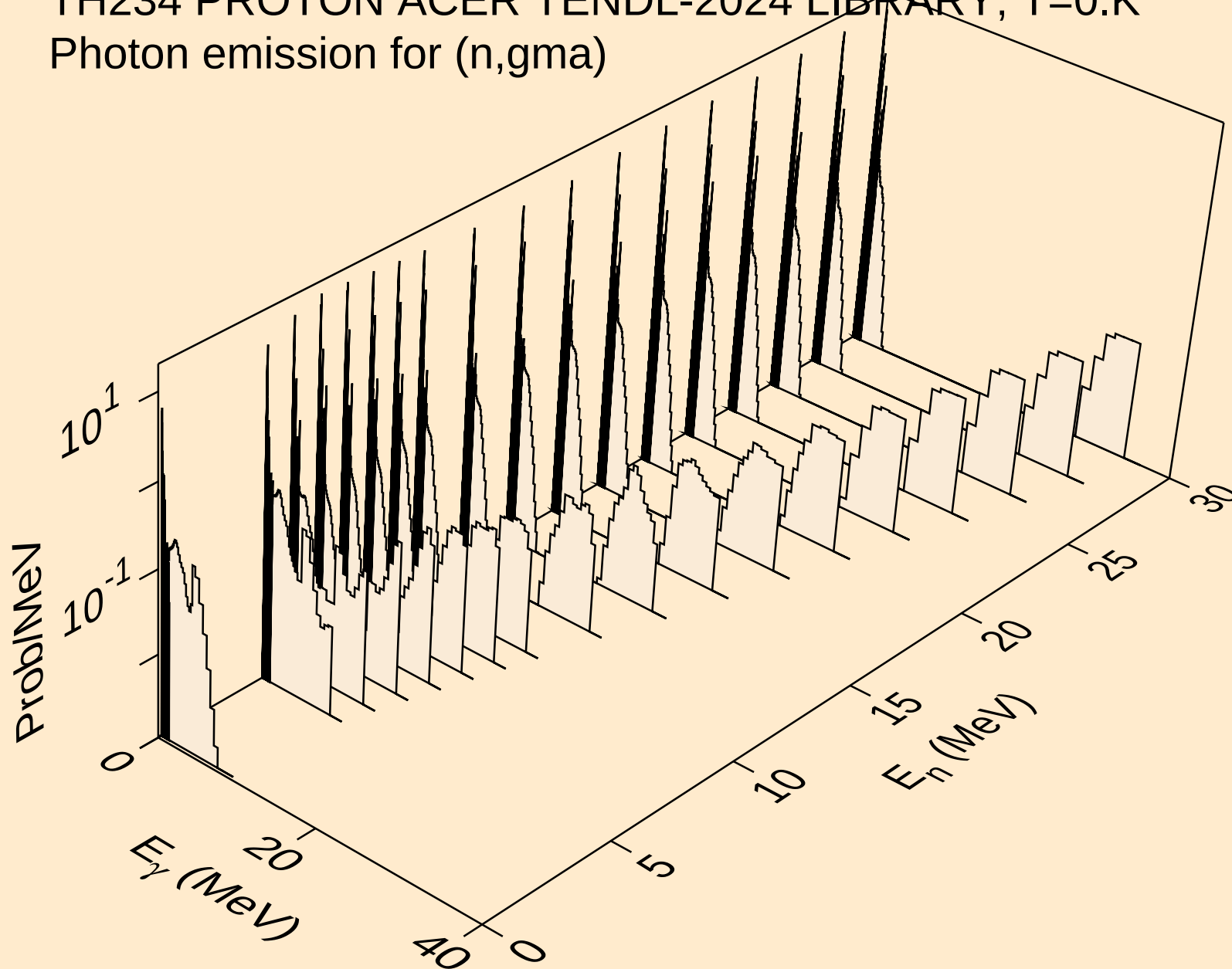


TH234 PROTON ACER TENDL-2024 LIBRARY;  $T=0.K$

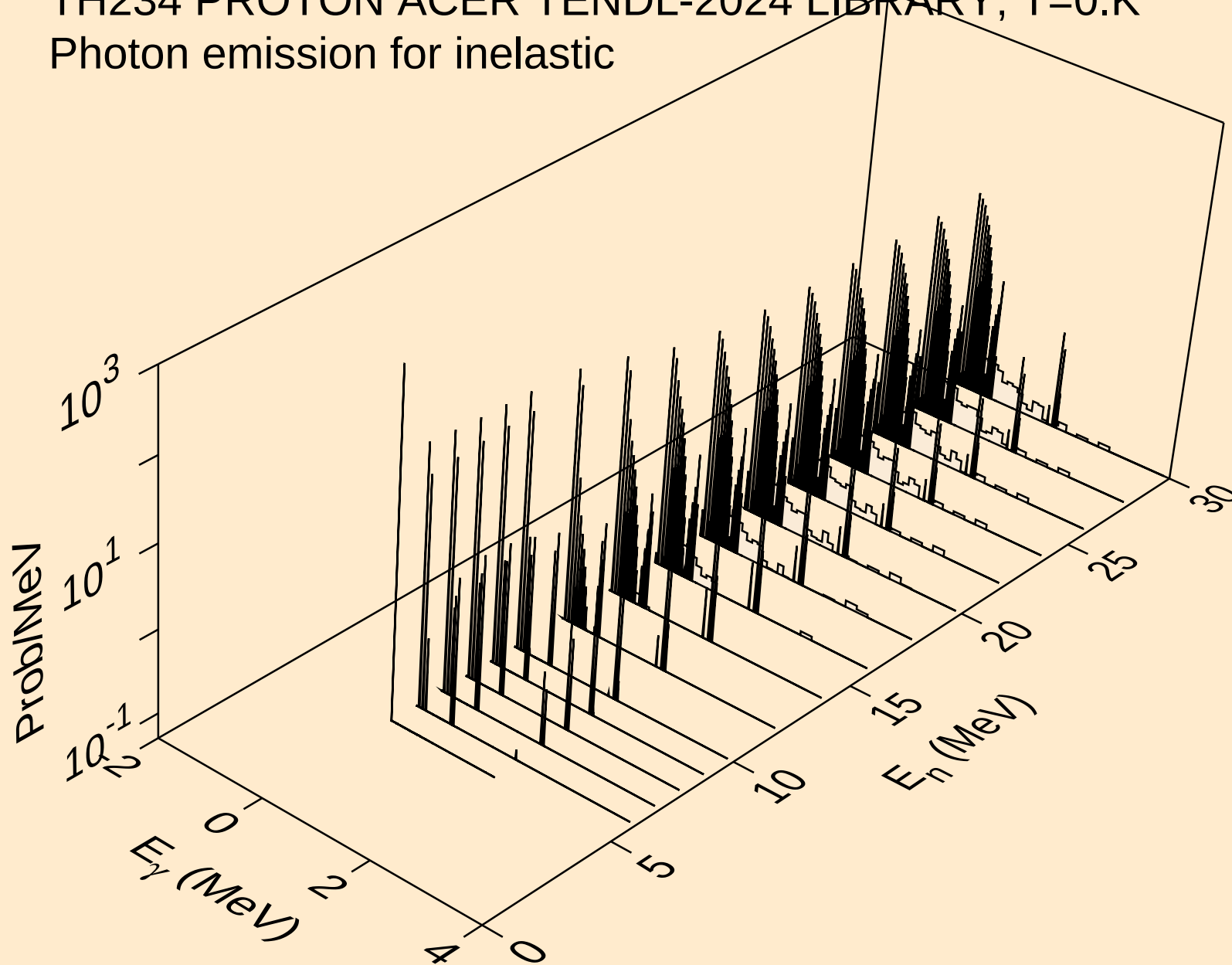
Photon emission for (n,n2p)



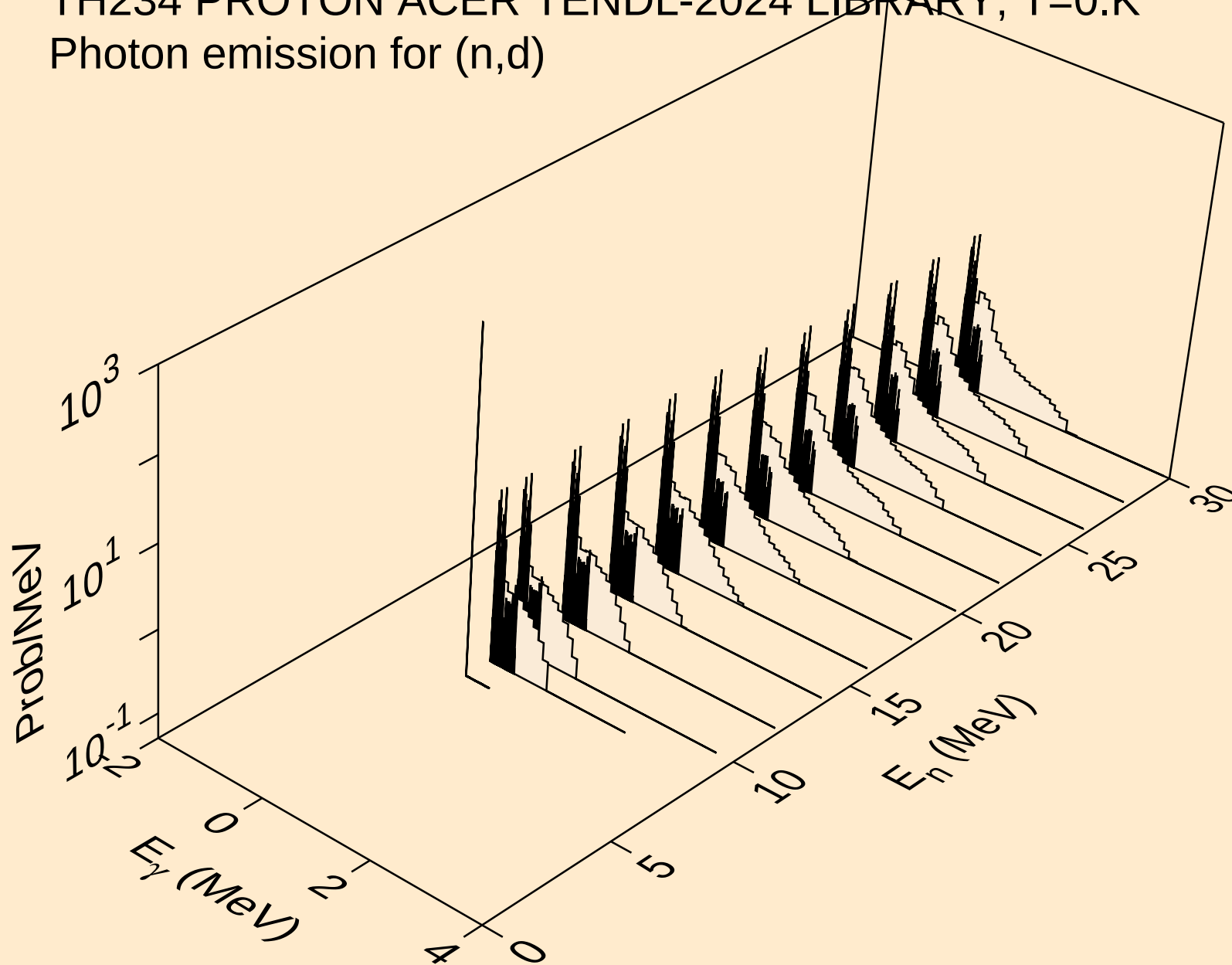
TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



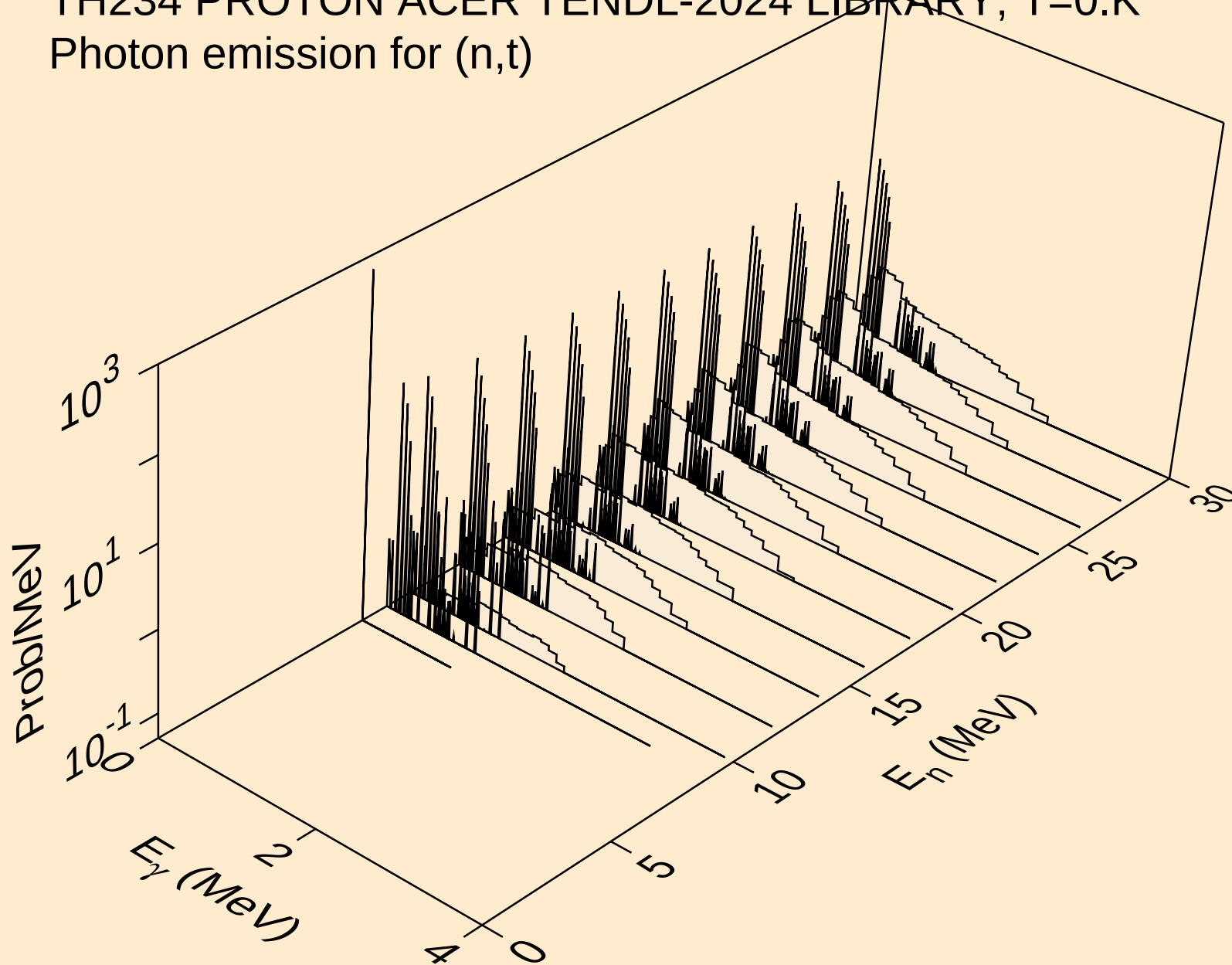
TH234 PROTON ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for inelastic



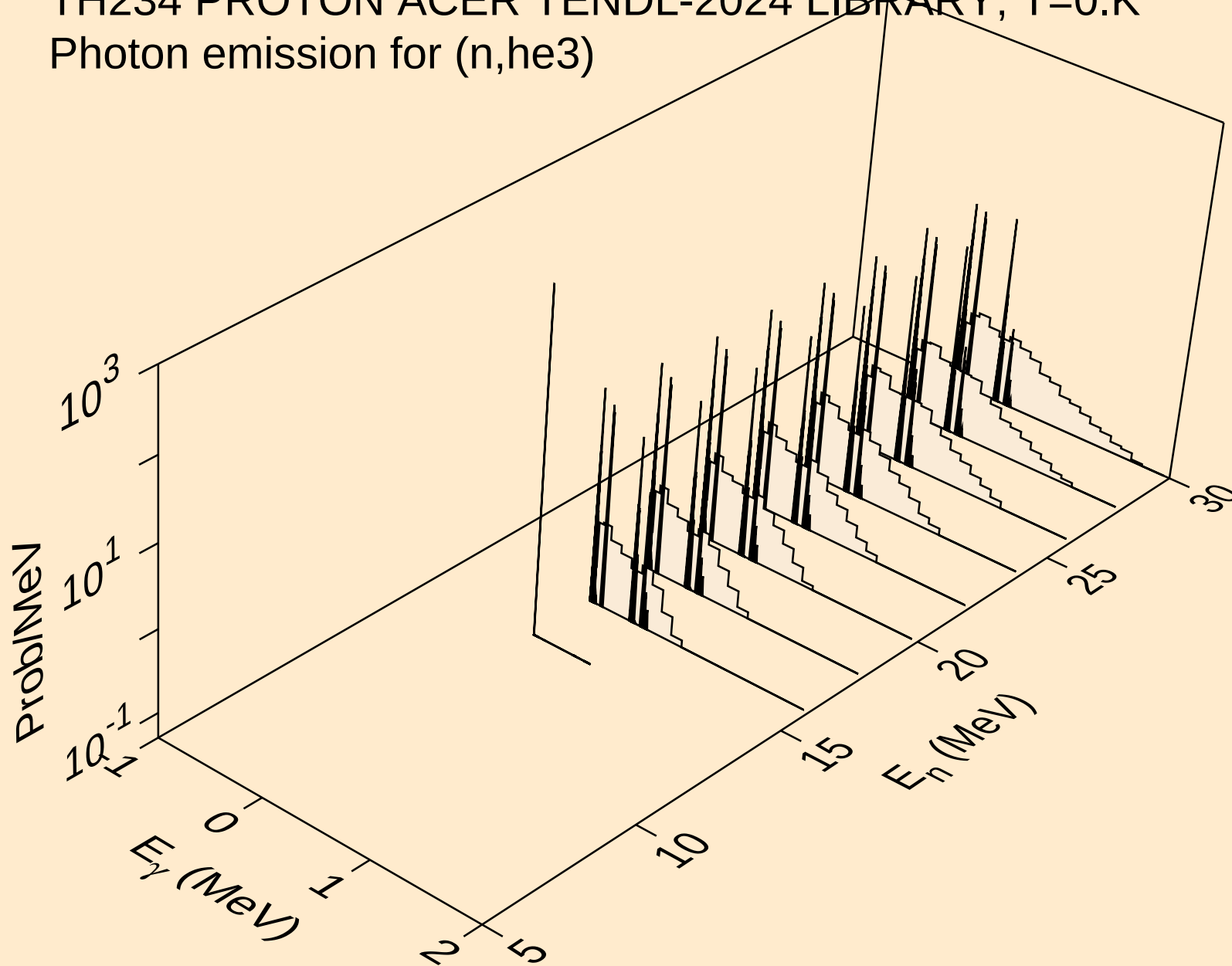
TH234 PROTON ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (n,d)



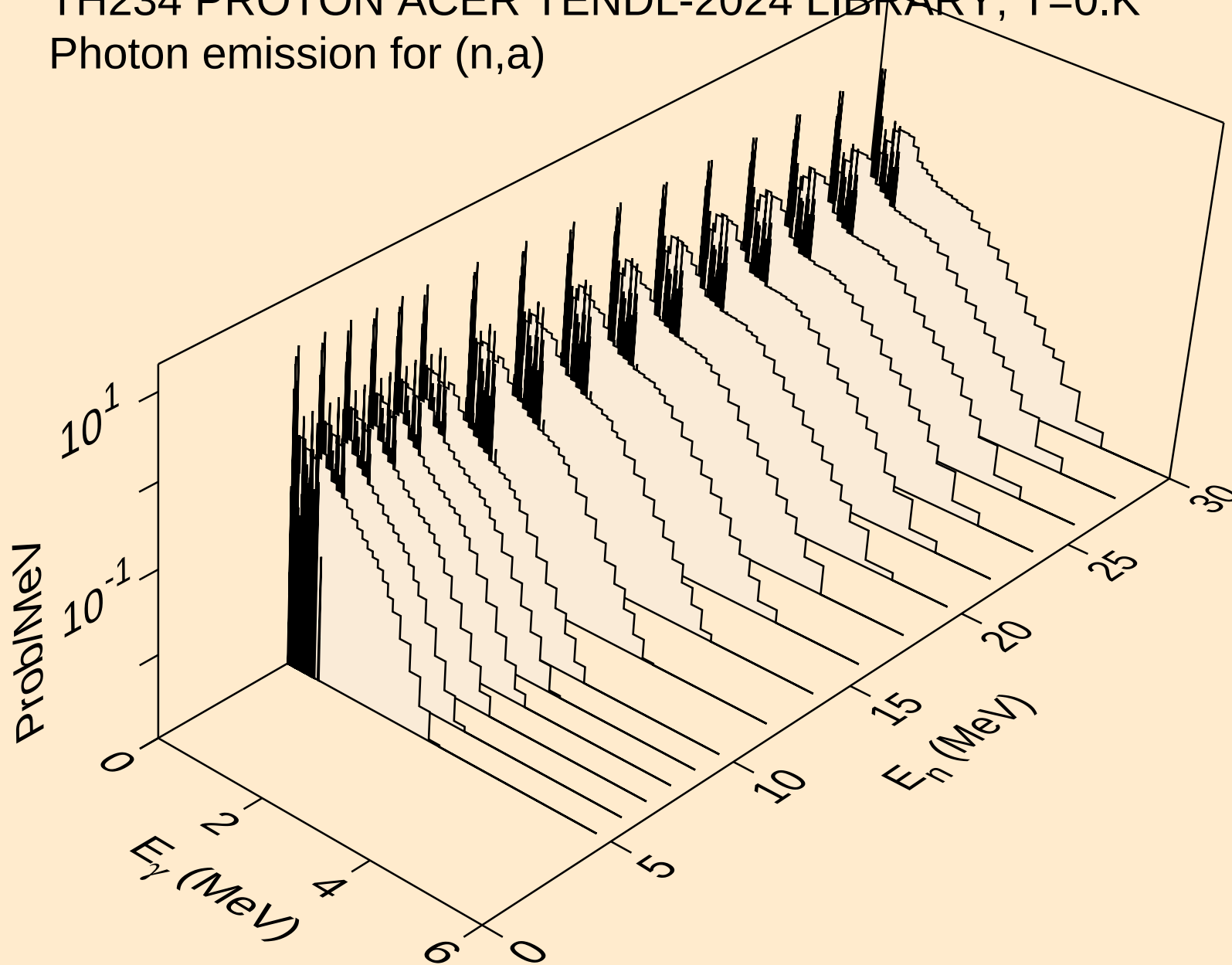
TH234 PROTON ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (n,t)



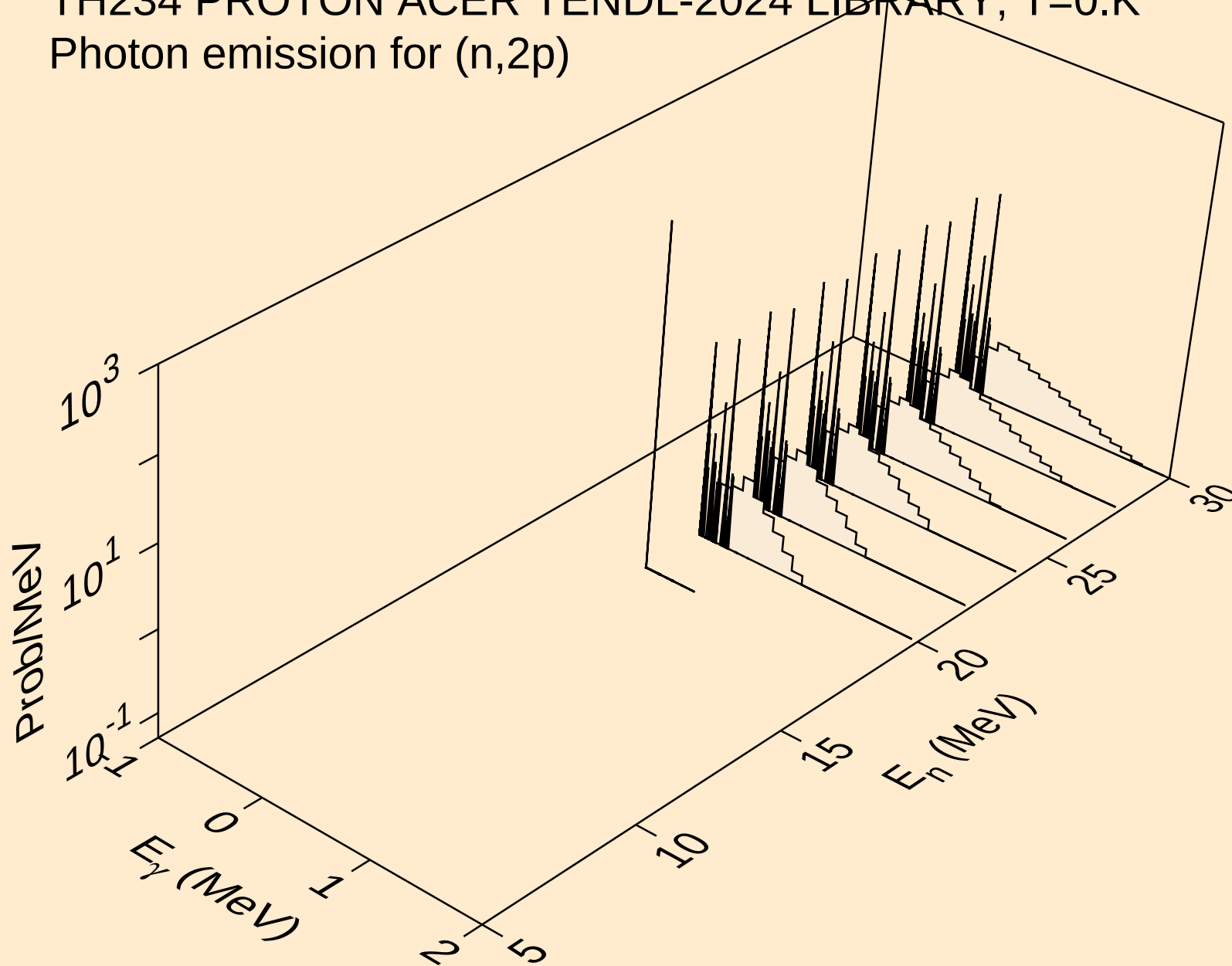
TH234 PROTON ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (n,he3)



TH234 PROTON ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (n,a)

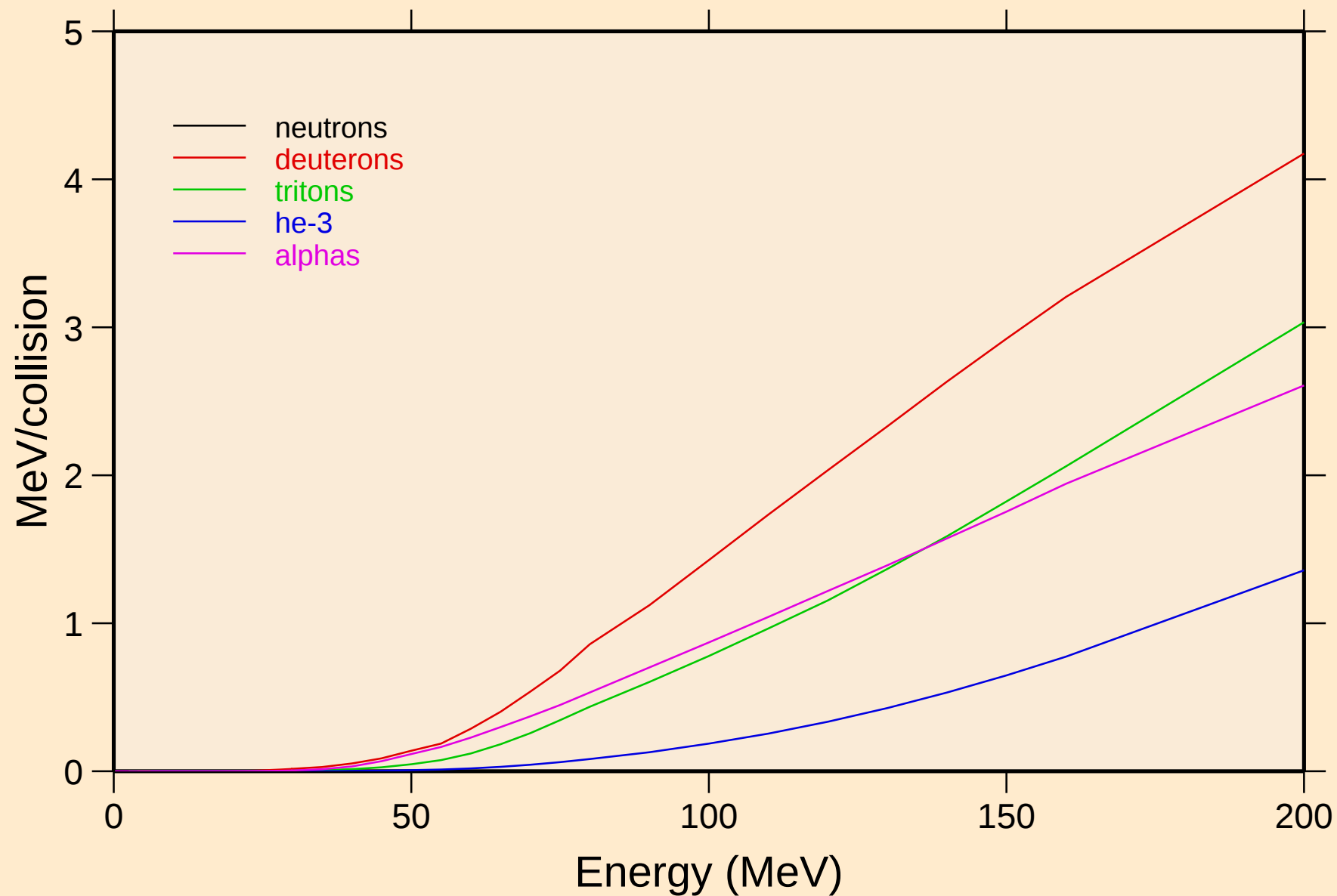


TH234 PROTON ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (n,2p)



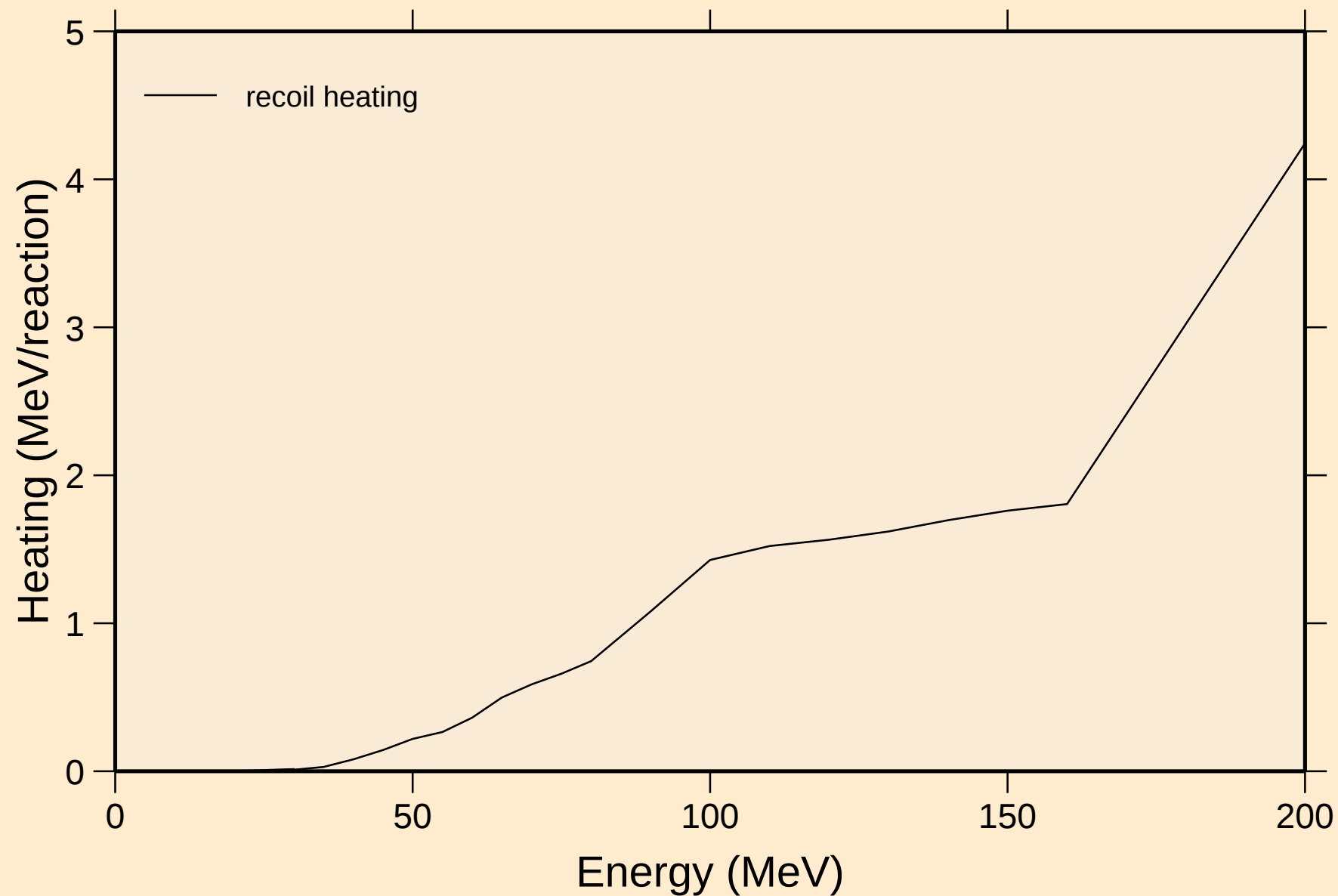
# TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions



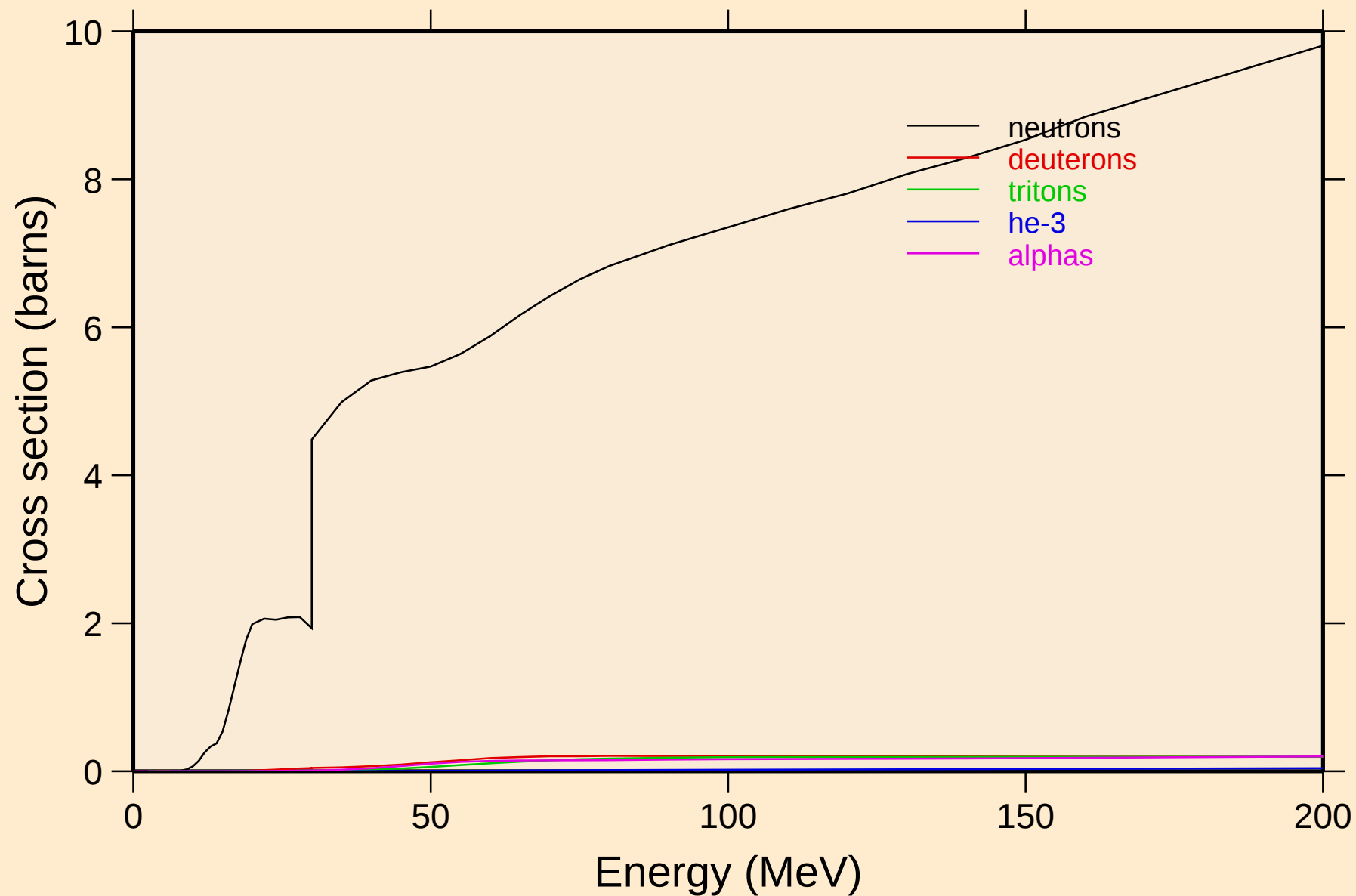
# TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Recoil Heating

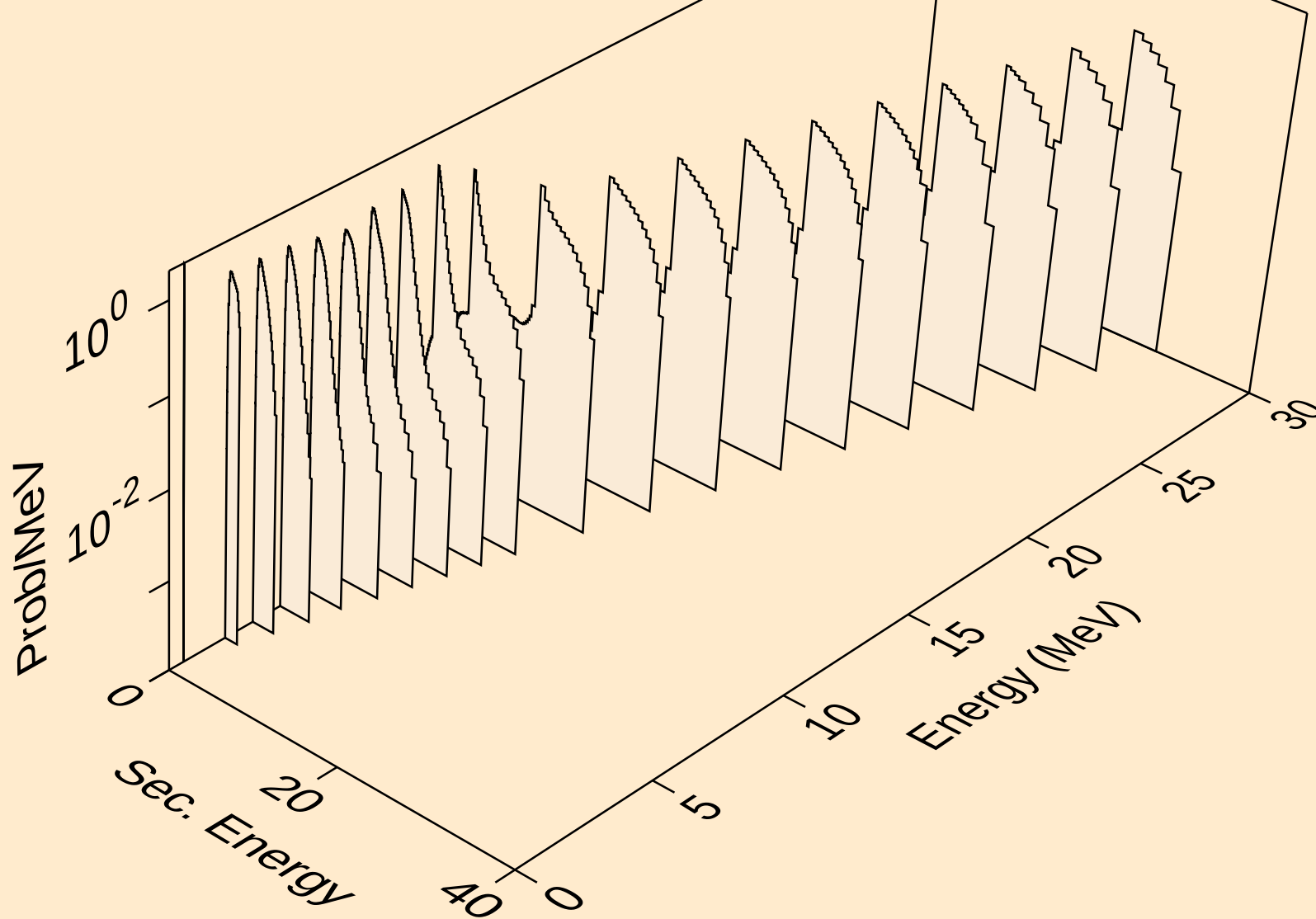


# TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K

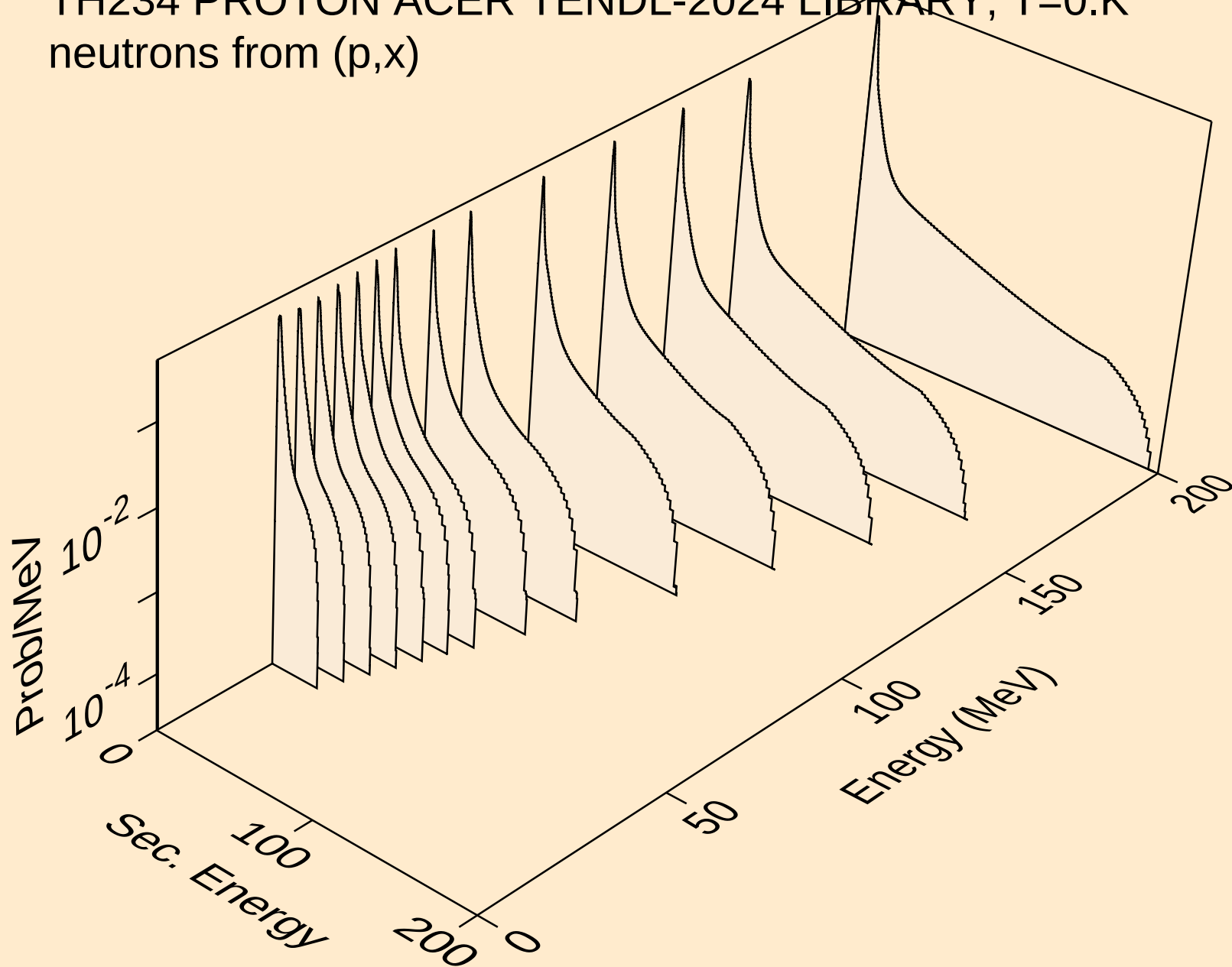
## Particle production cross sections



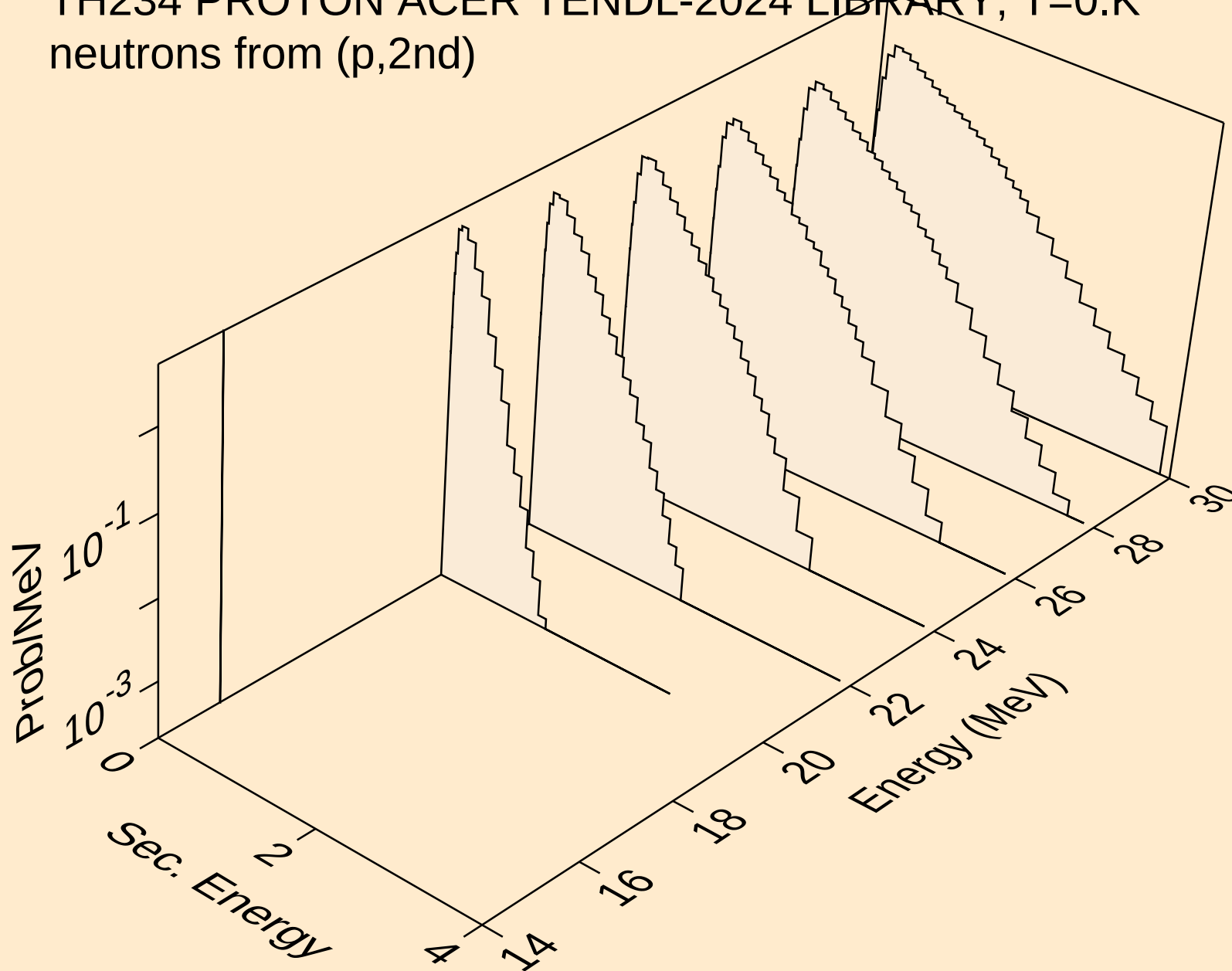
TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n)



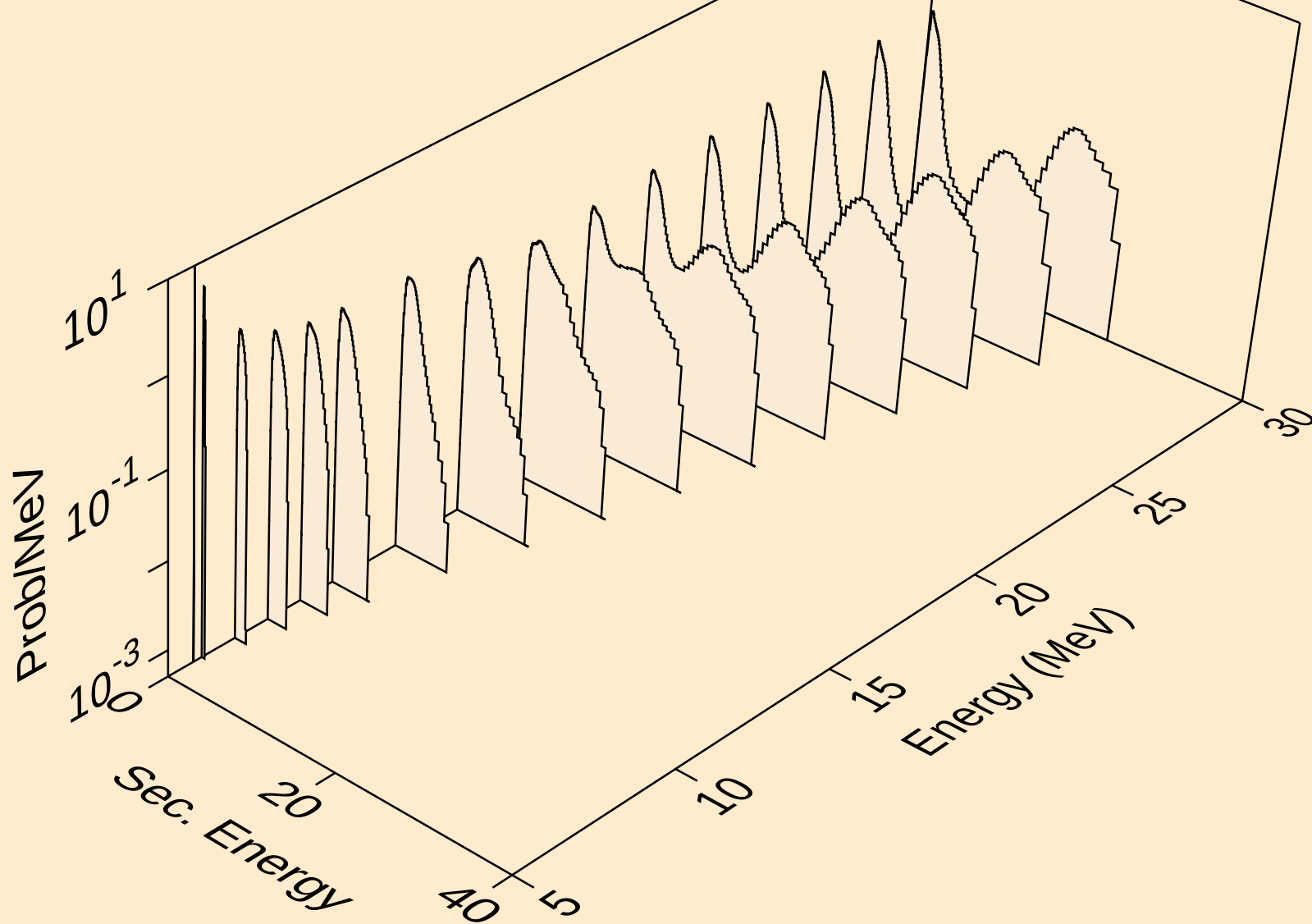
TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,x)



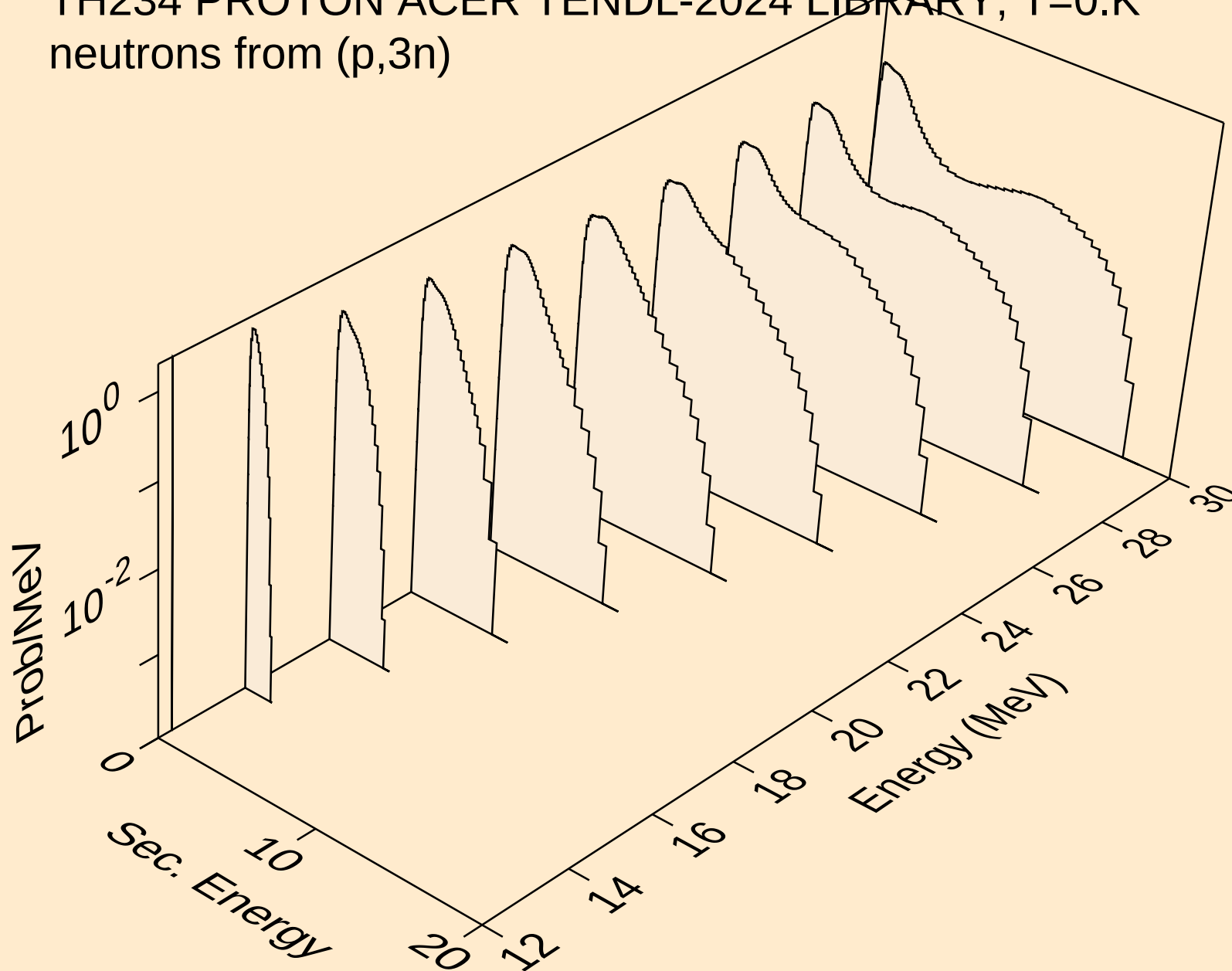
TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,2nd)



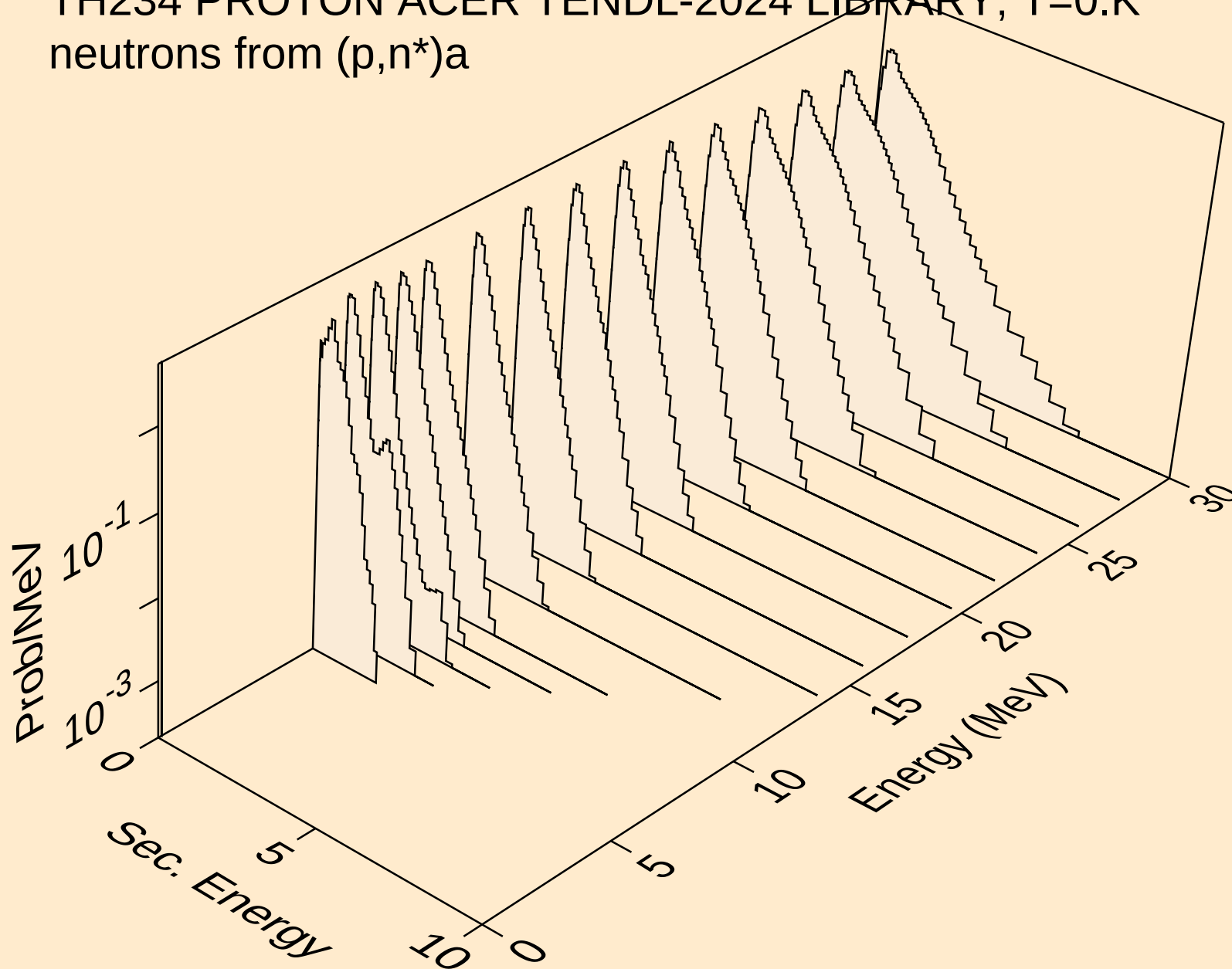
TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,2n)



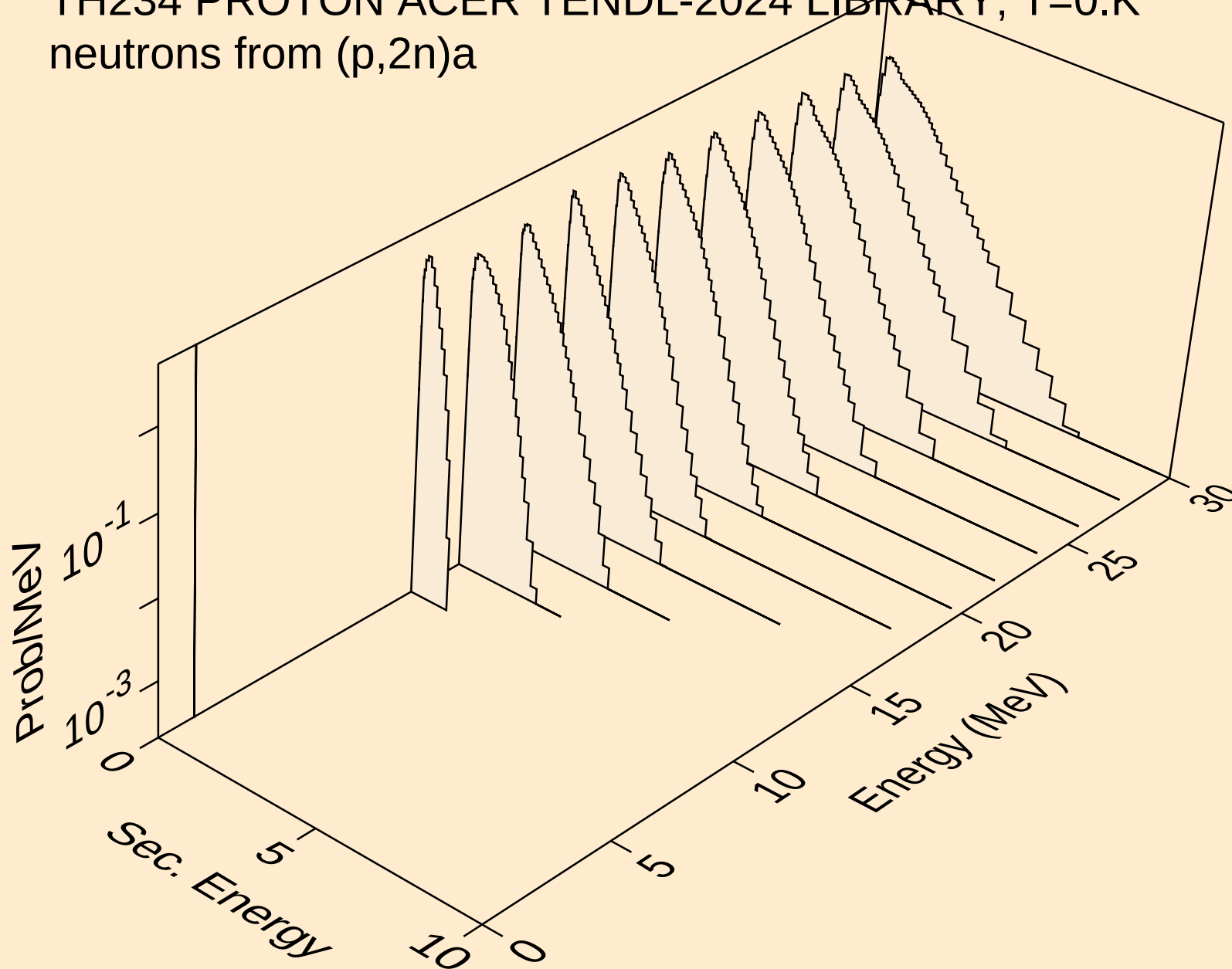
TH234 PROTON ACER TENDL-2024 LIBRARY;  $T=0.K$   
neutrons from (p,3n)



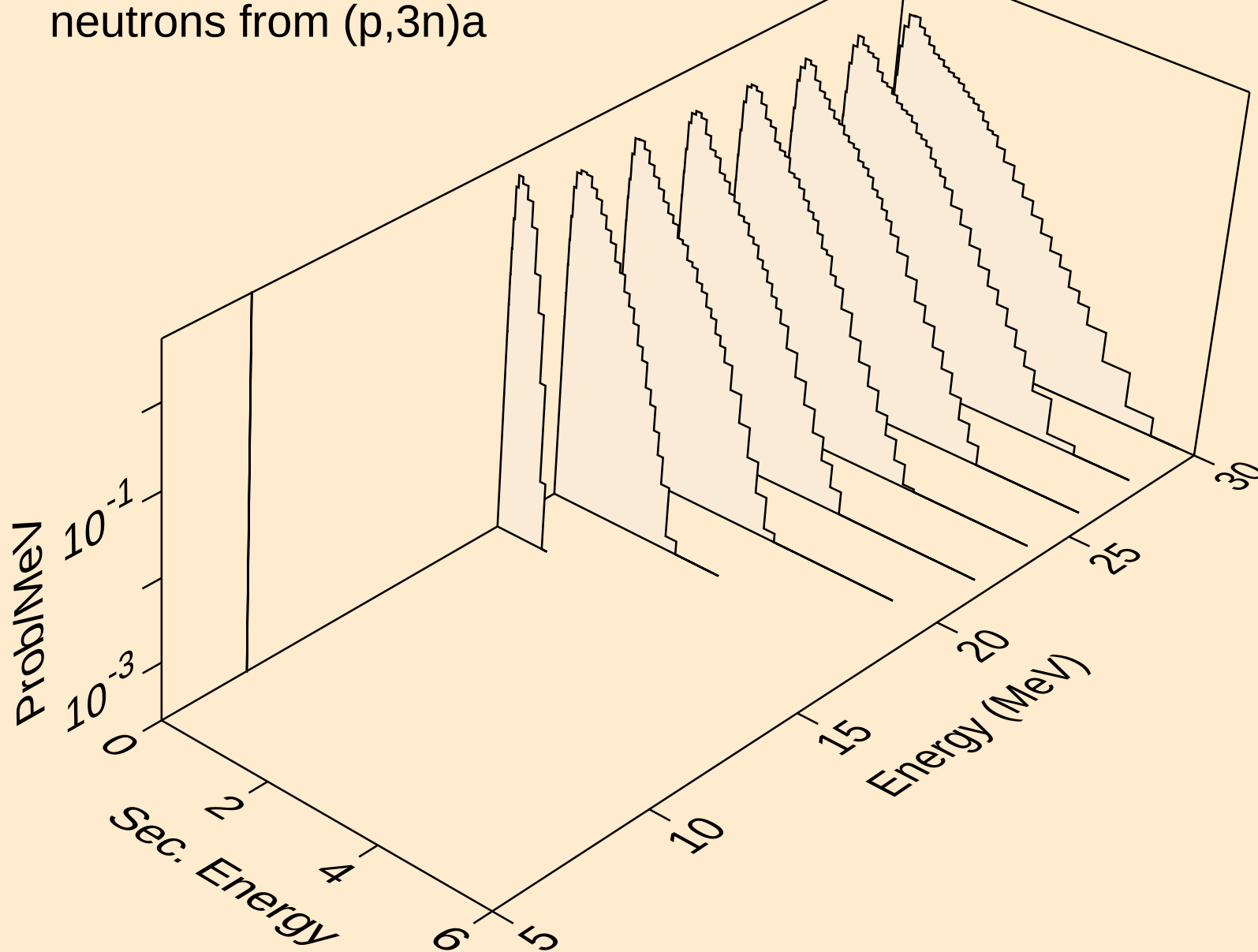
TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)a



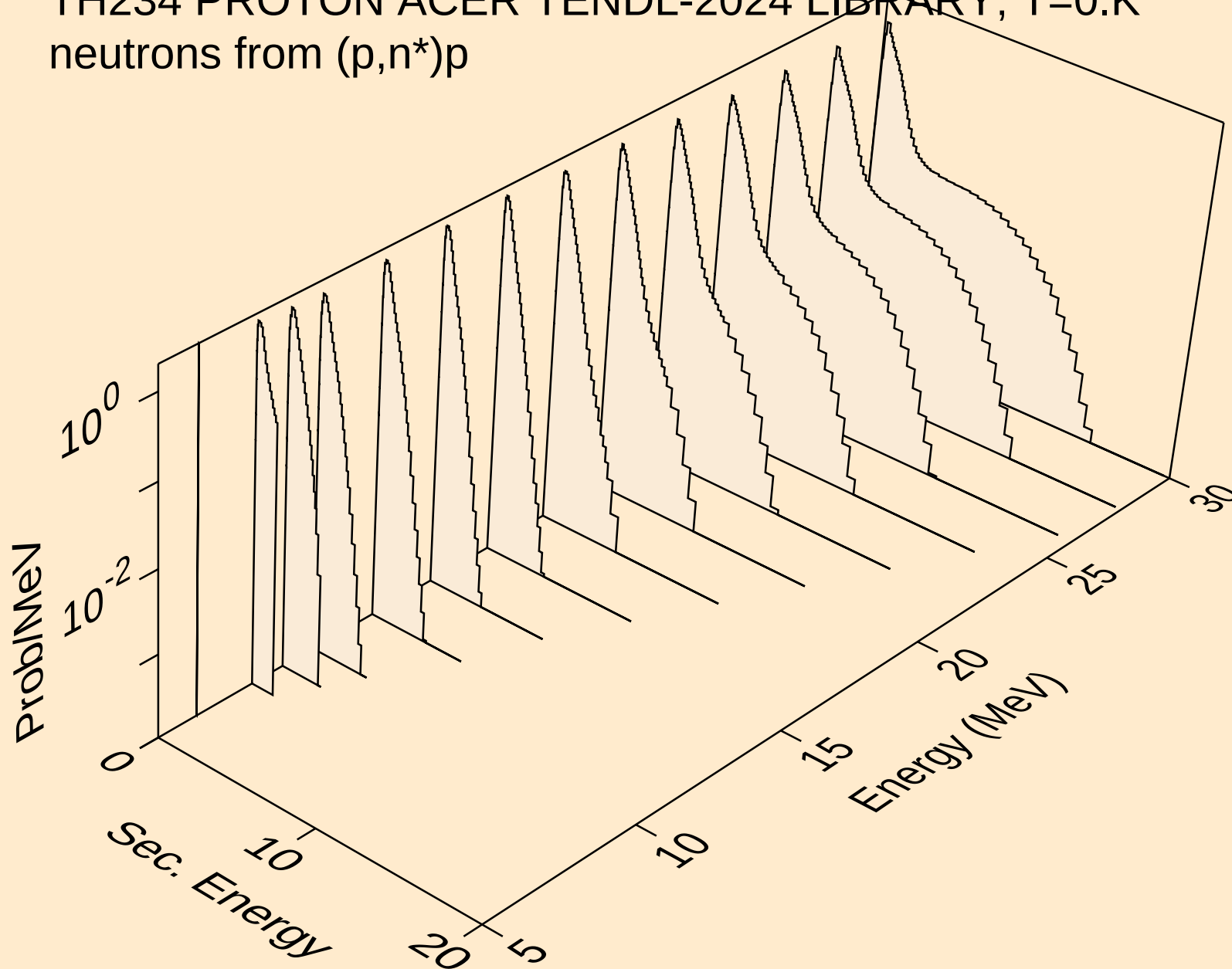
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neutrons from (p,2n)a



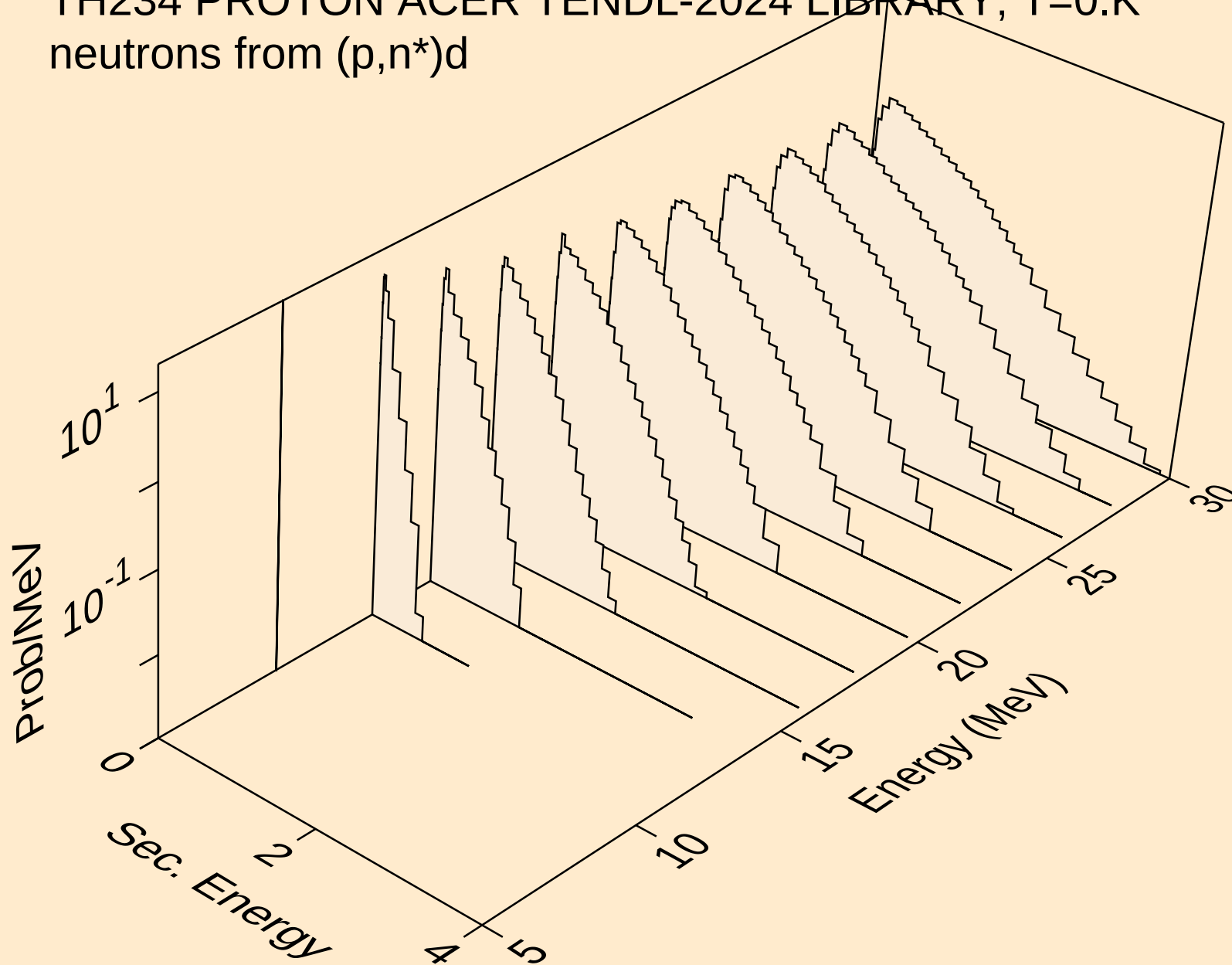
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neutrons from (p,3n)a



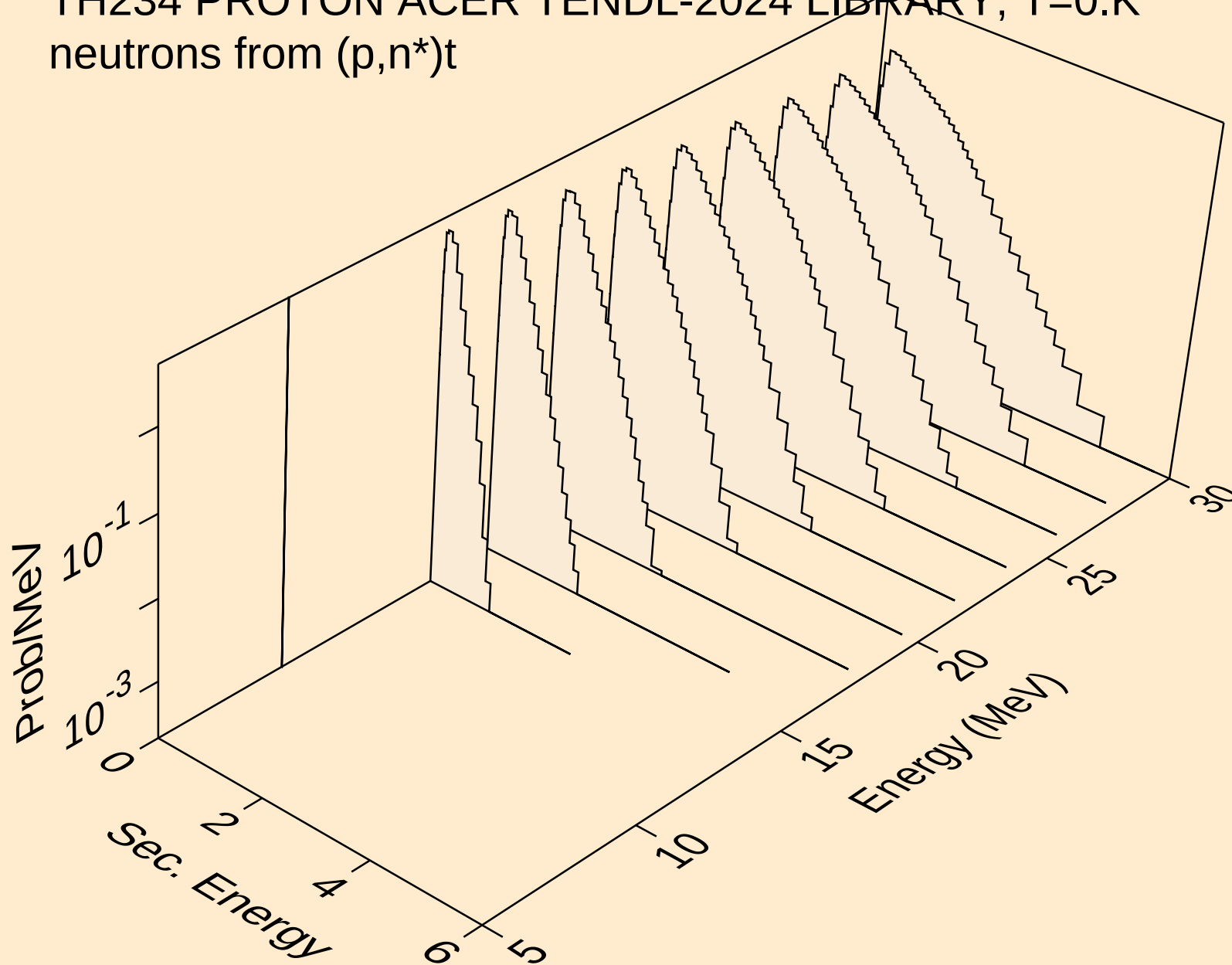
TH234 PROTON ACER TENDL-2024 LIBRARY;  $T=0.K$   
neutrons from  $(p,n^*)p$



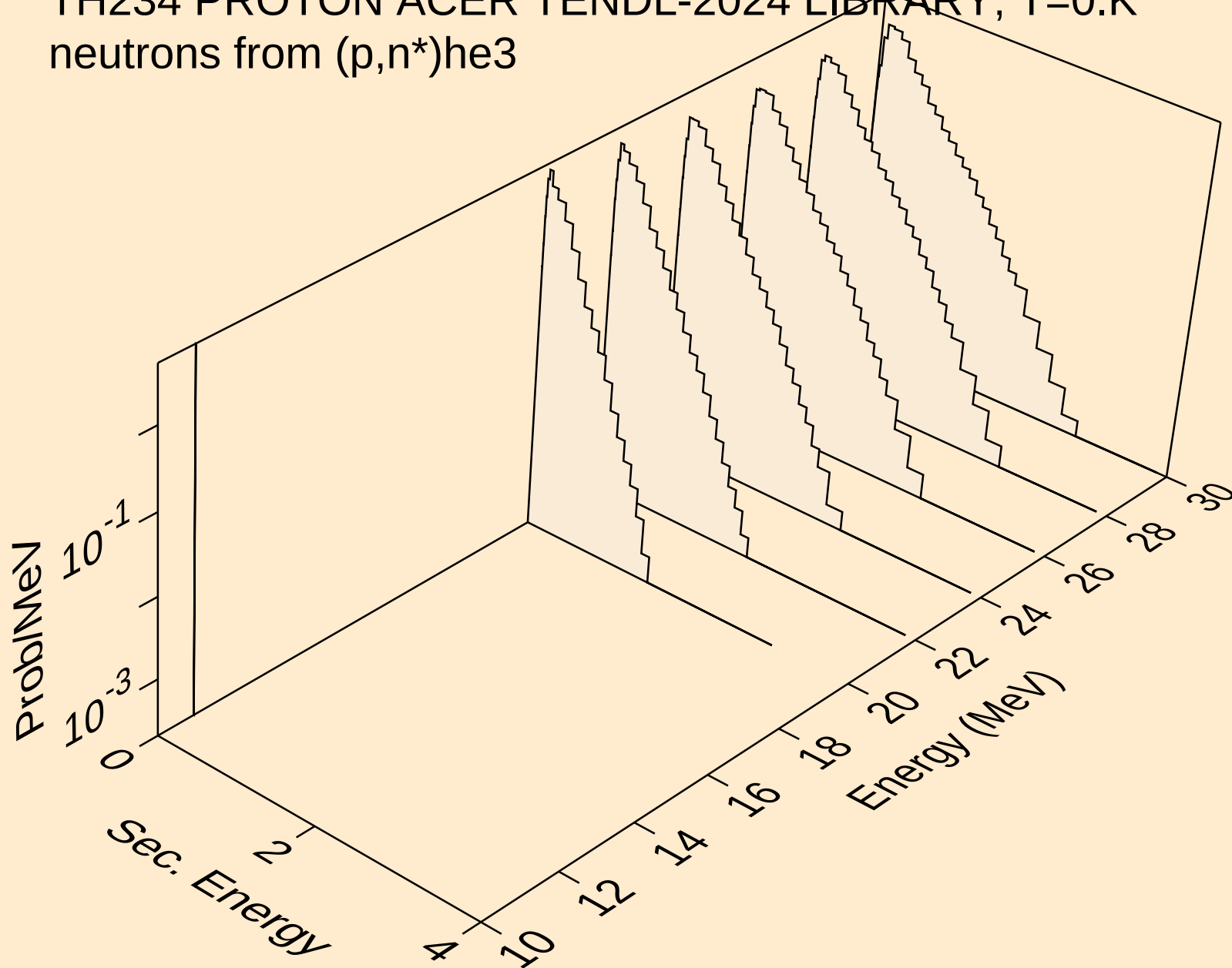
TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)d



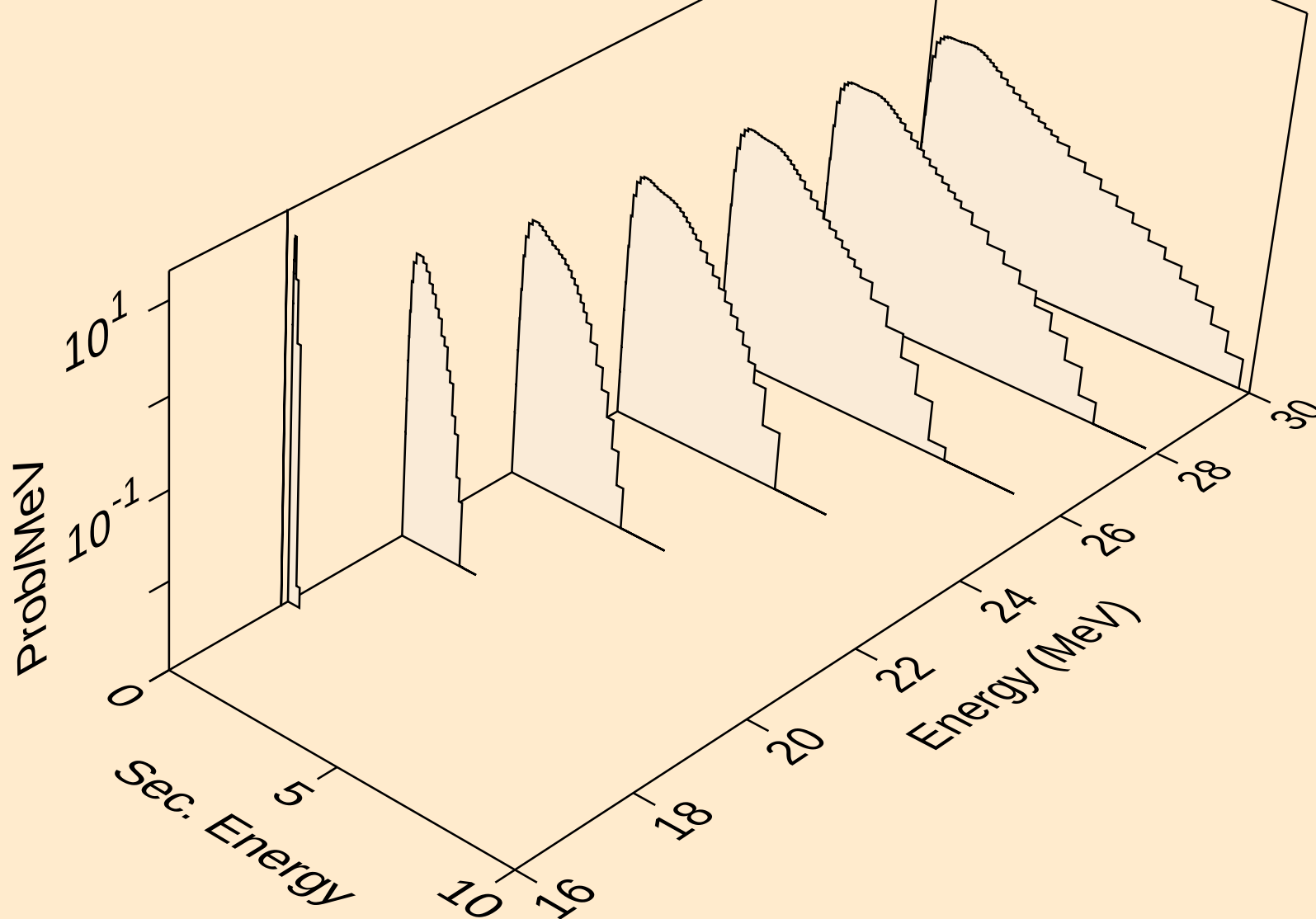
TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)t



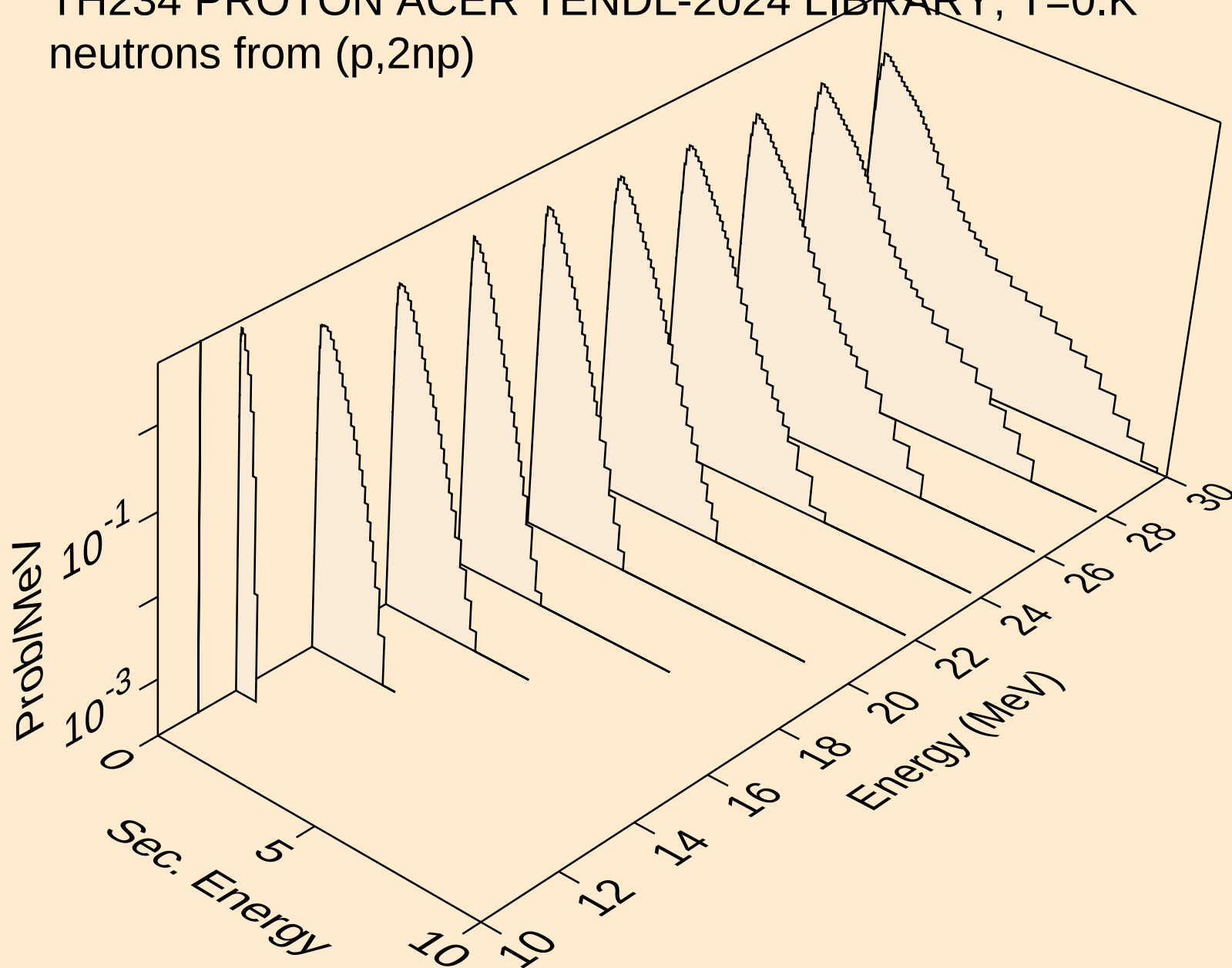
TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



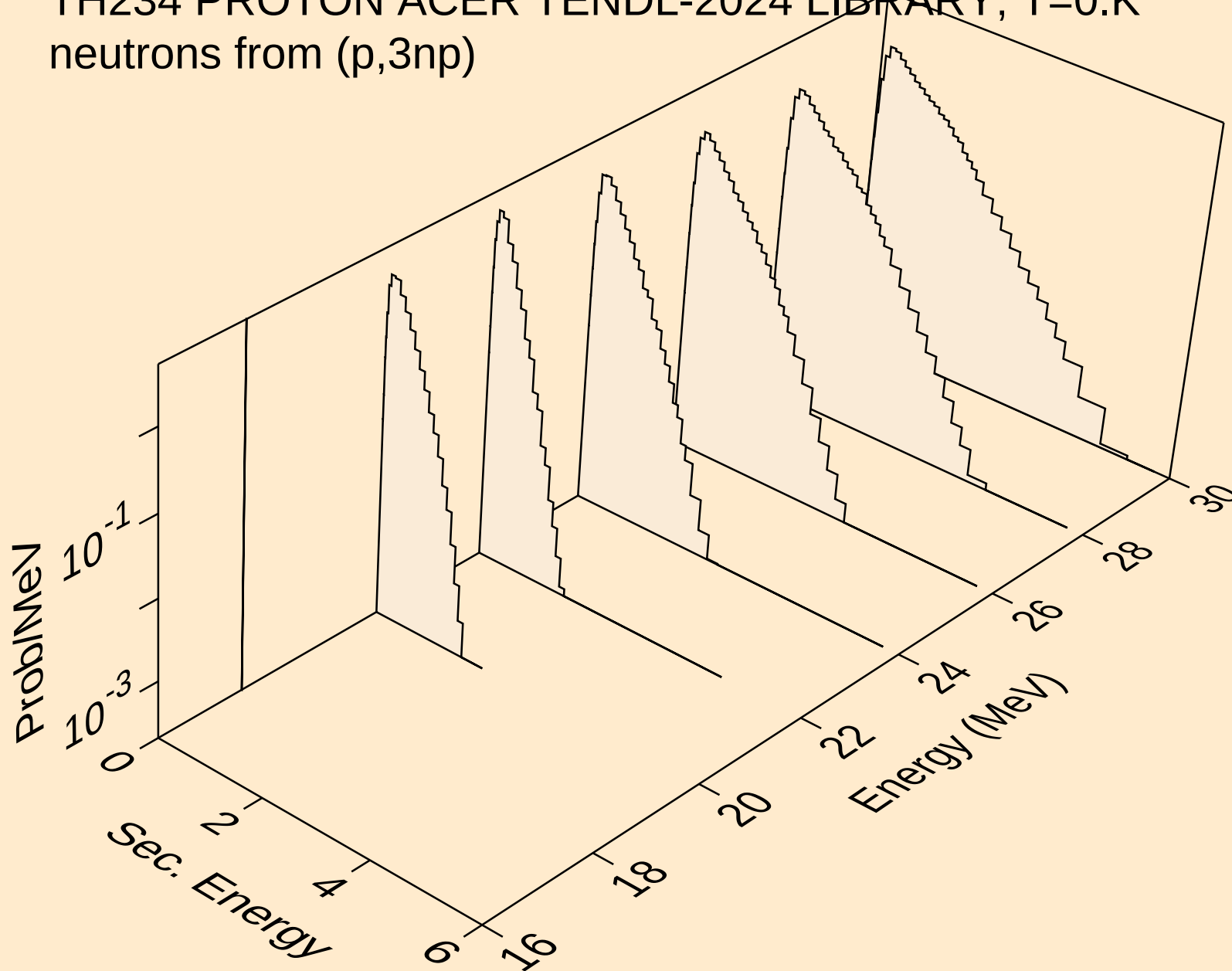
TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,4n)



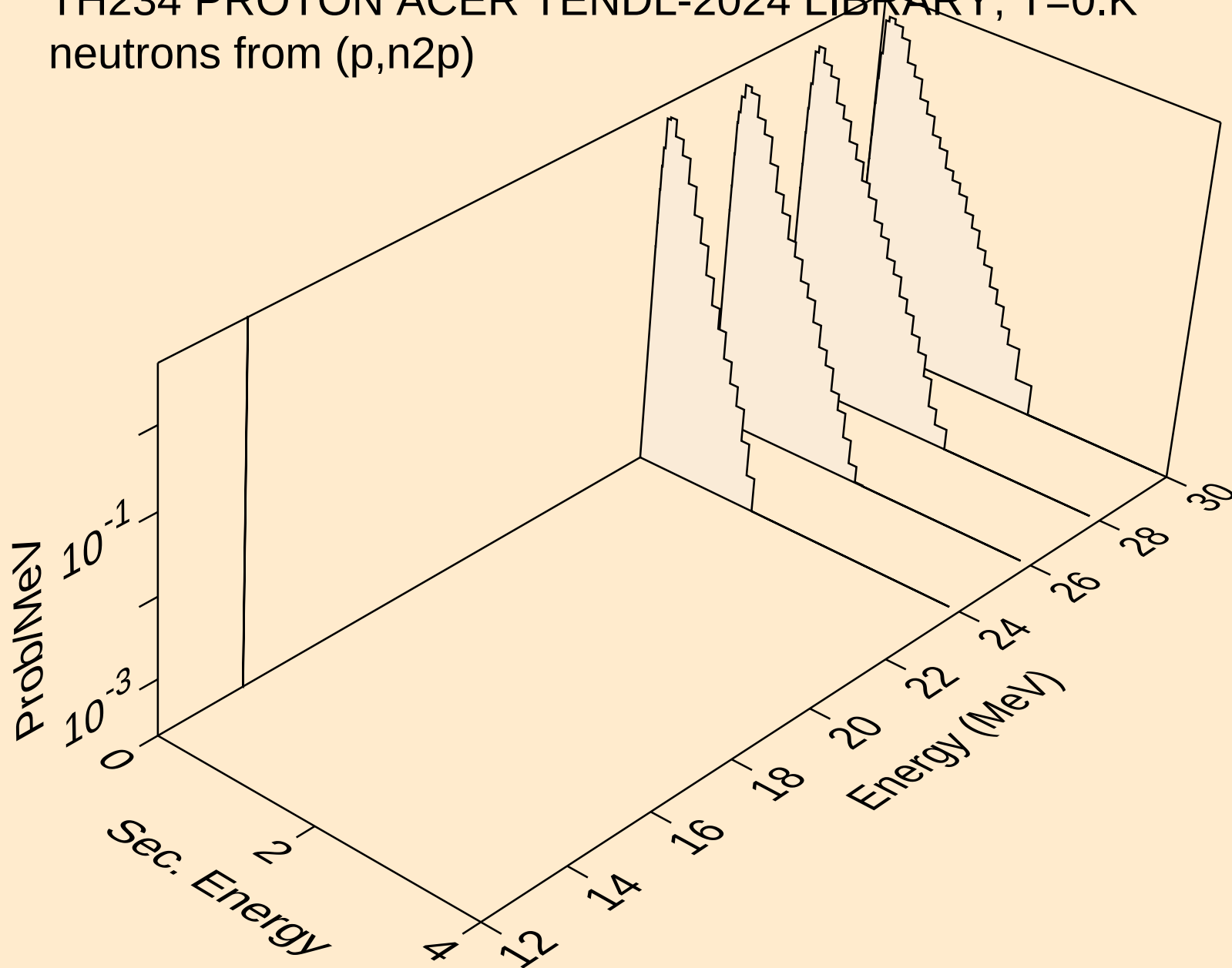
TH234 PROTON ACER TENDL-2024 LIBRARY;  $T=0.K$   
neutrons from (p,2np)



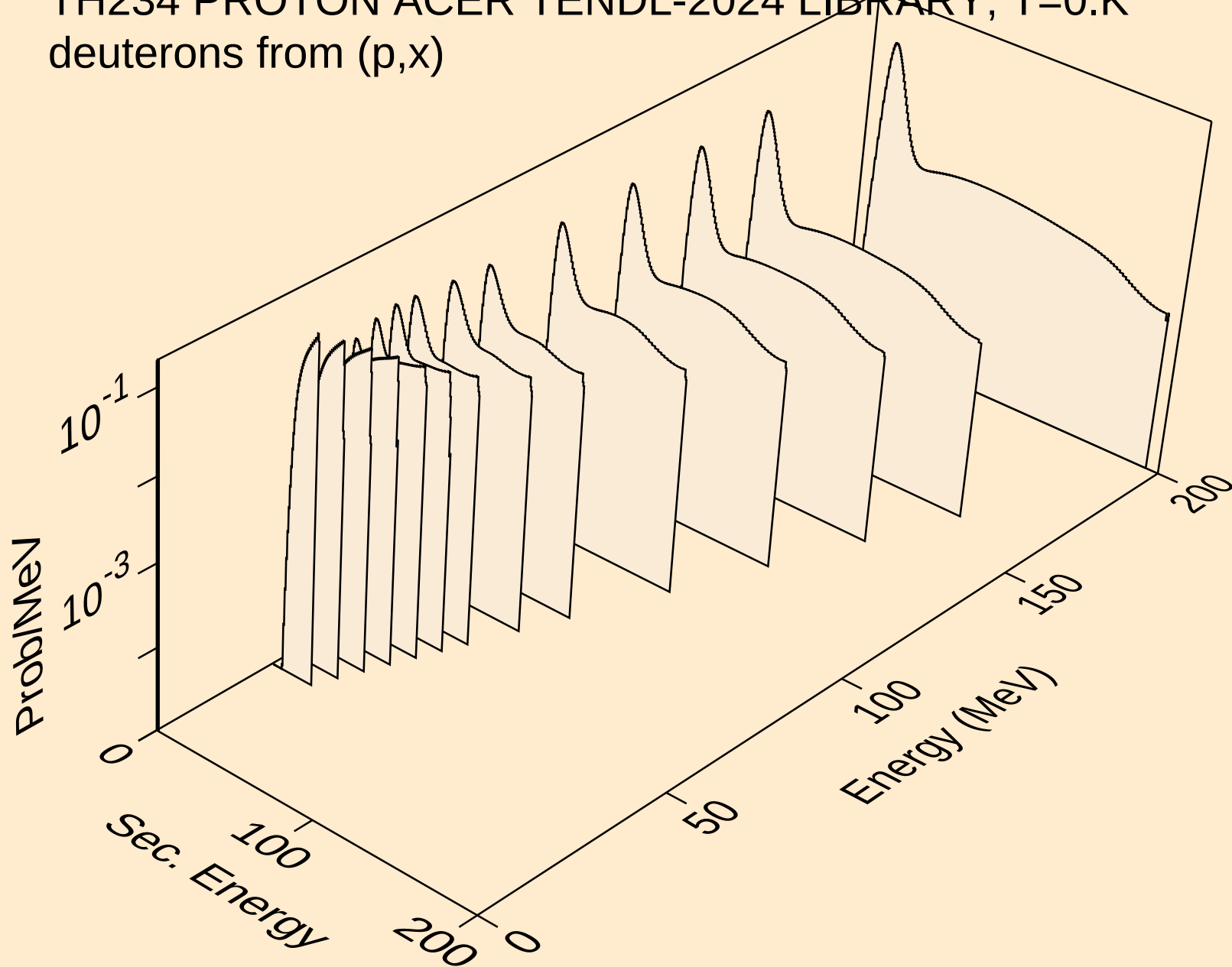
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neutrons from (p,3np)



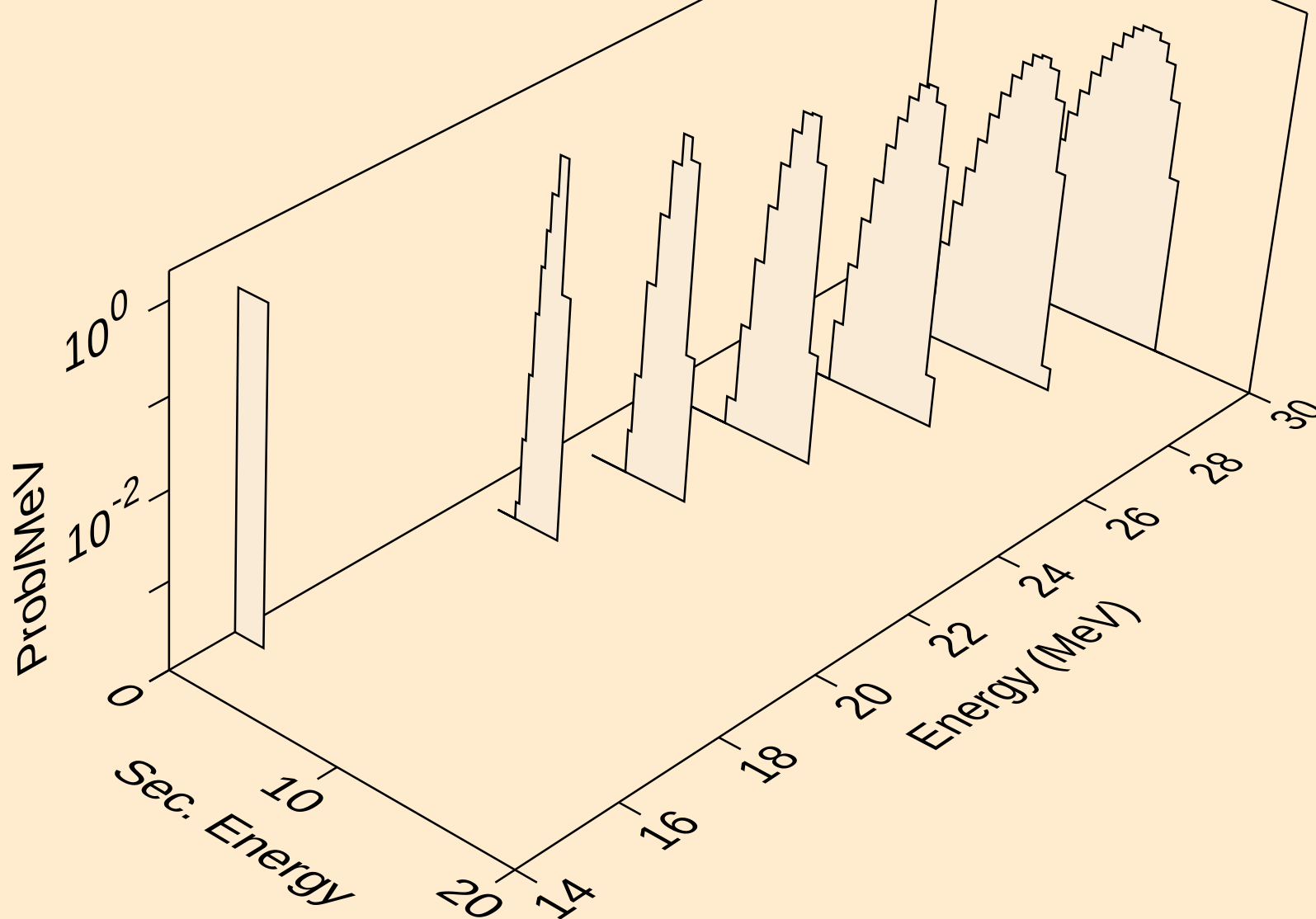
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neutrons from (p,n2p)



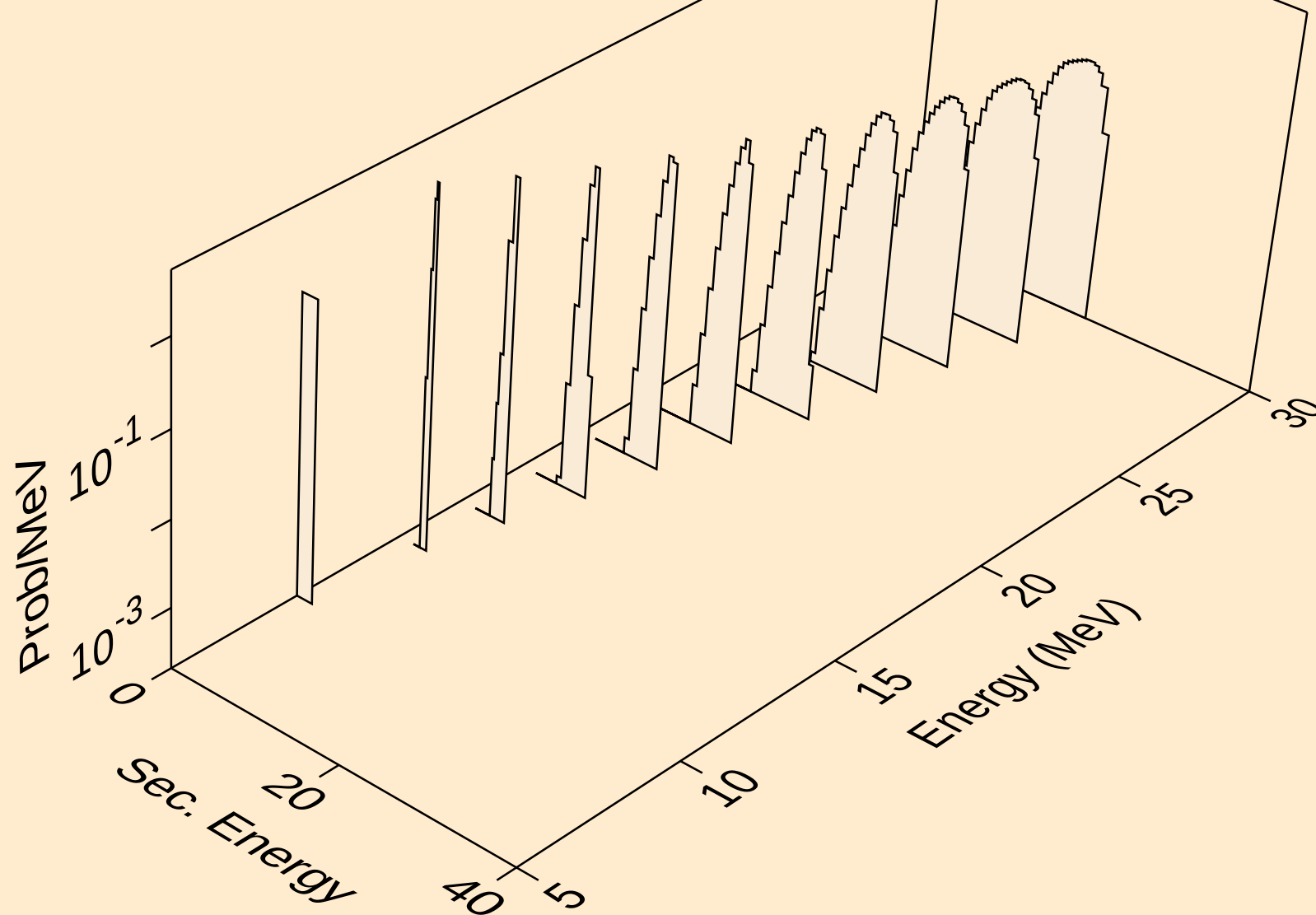
TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (p,x)



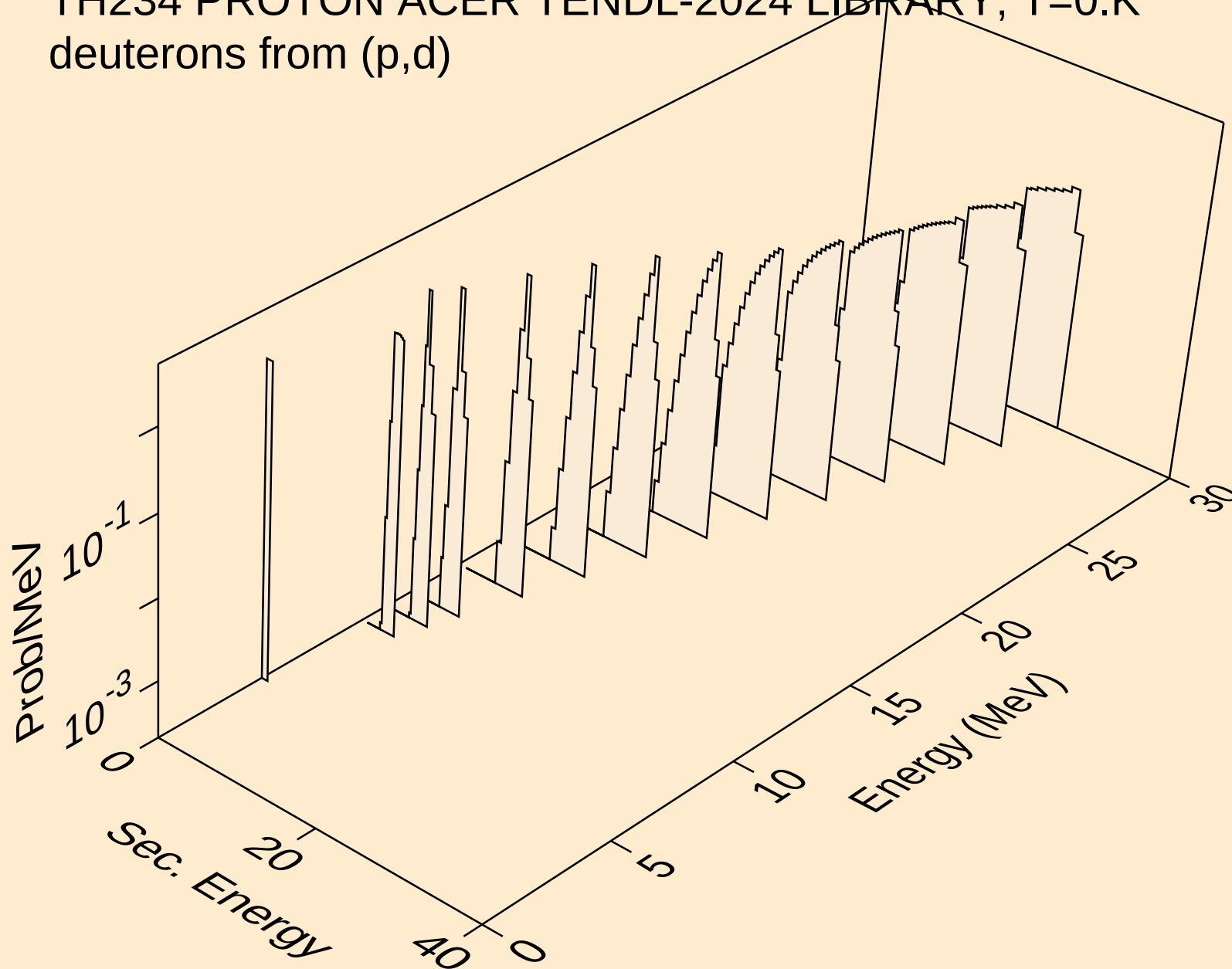
TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (p,2nd)



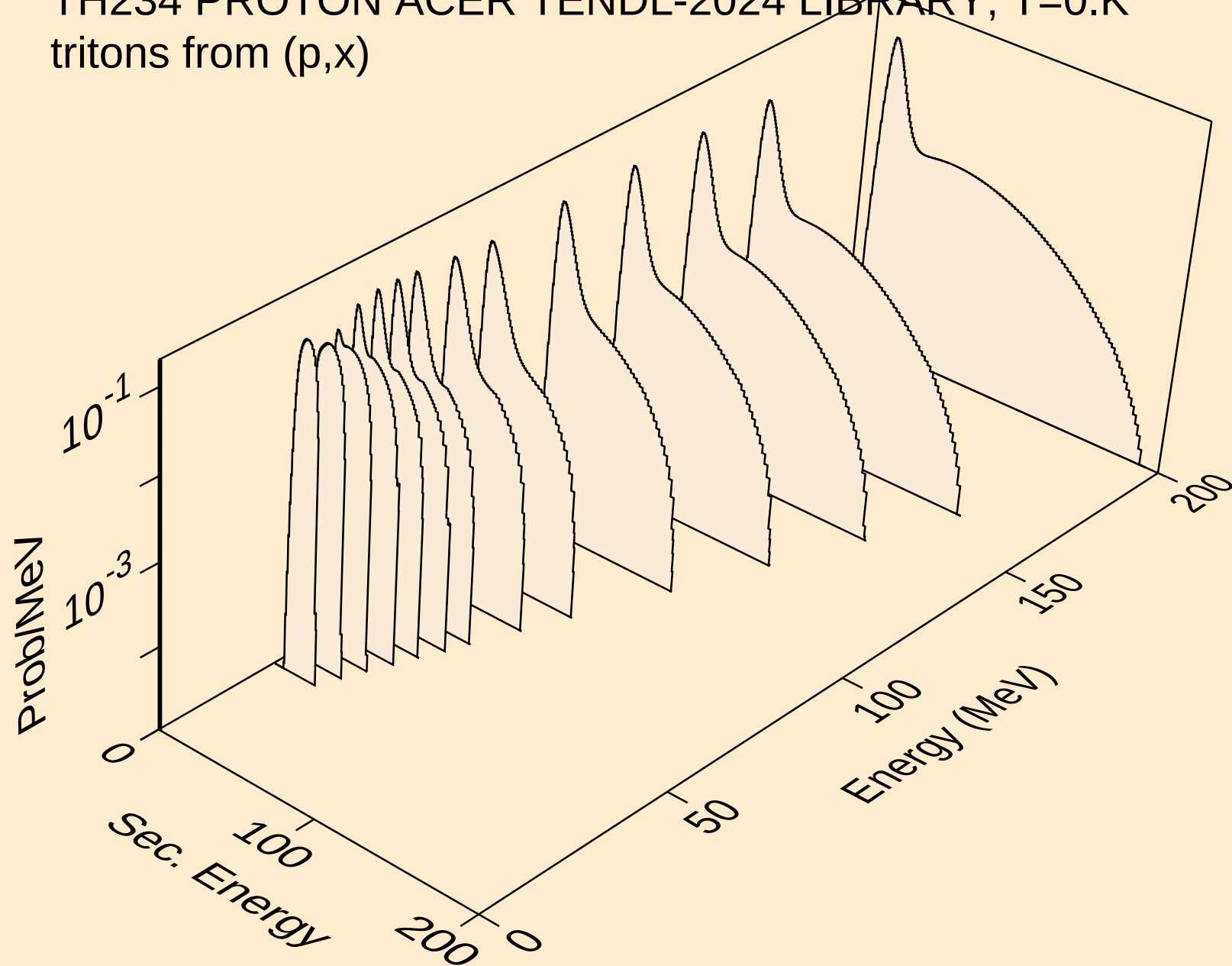
TH234 PROTON ACER TENDL-2024 LIBRARY;  $T=0.K$   
deuterons from  $(p,n^*)d$



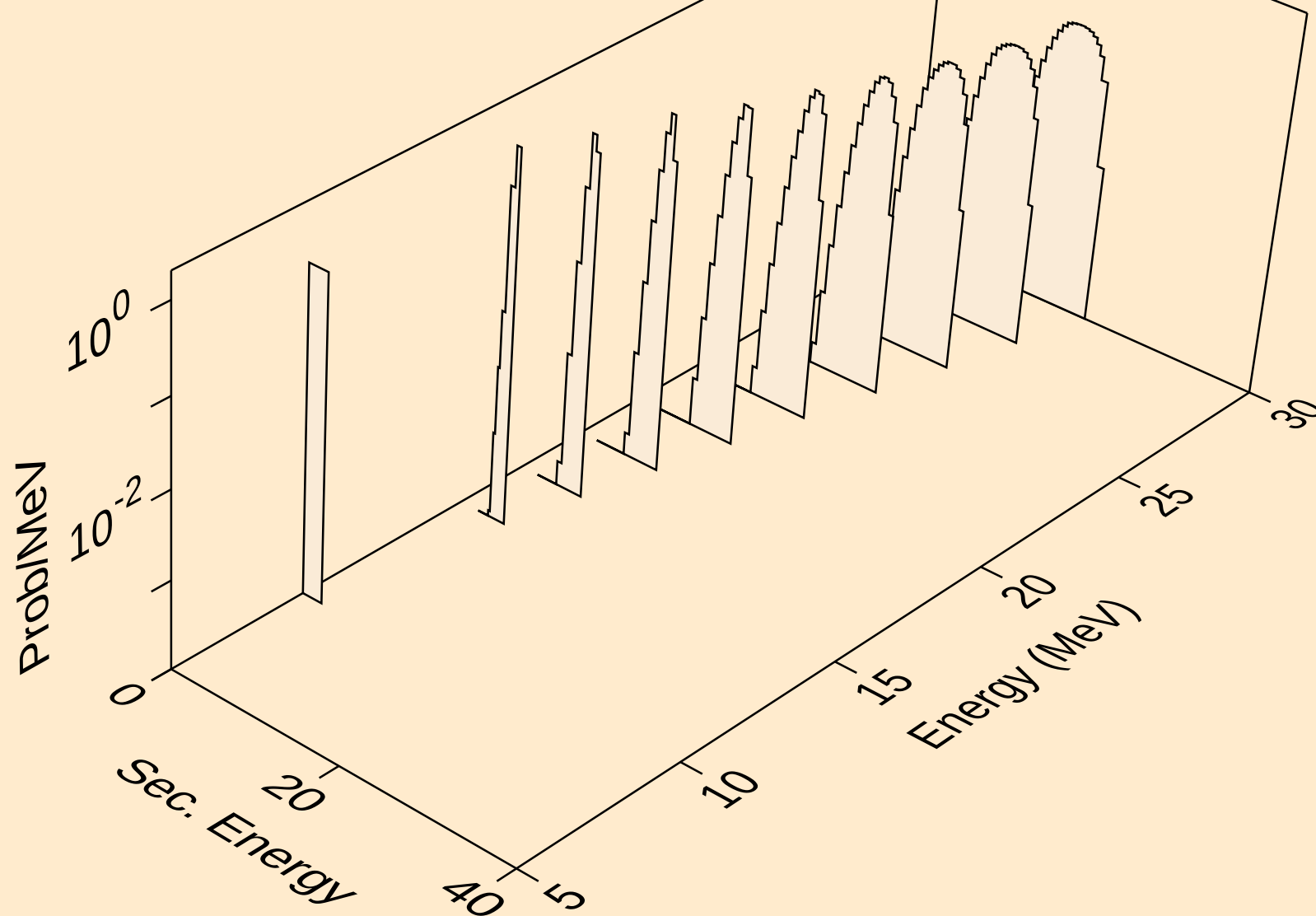
TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (p,d)



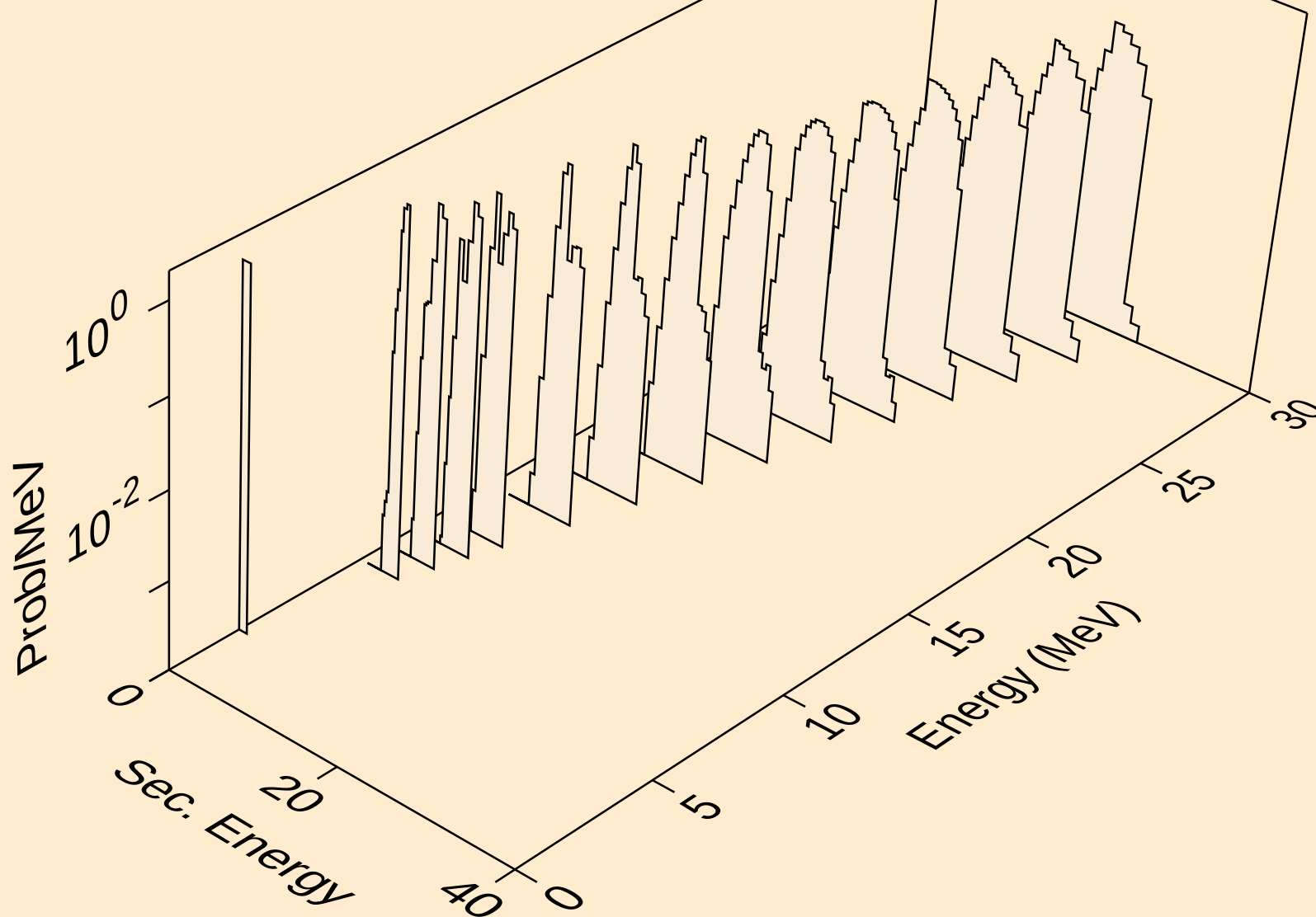
TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (p,x)



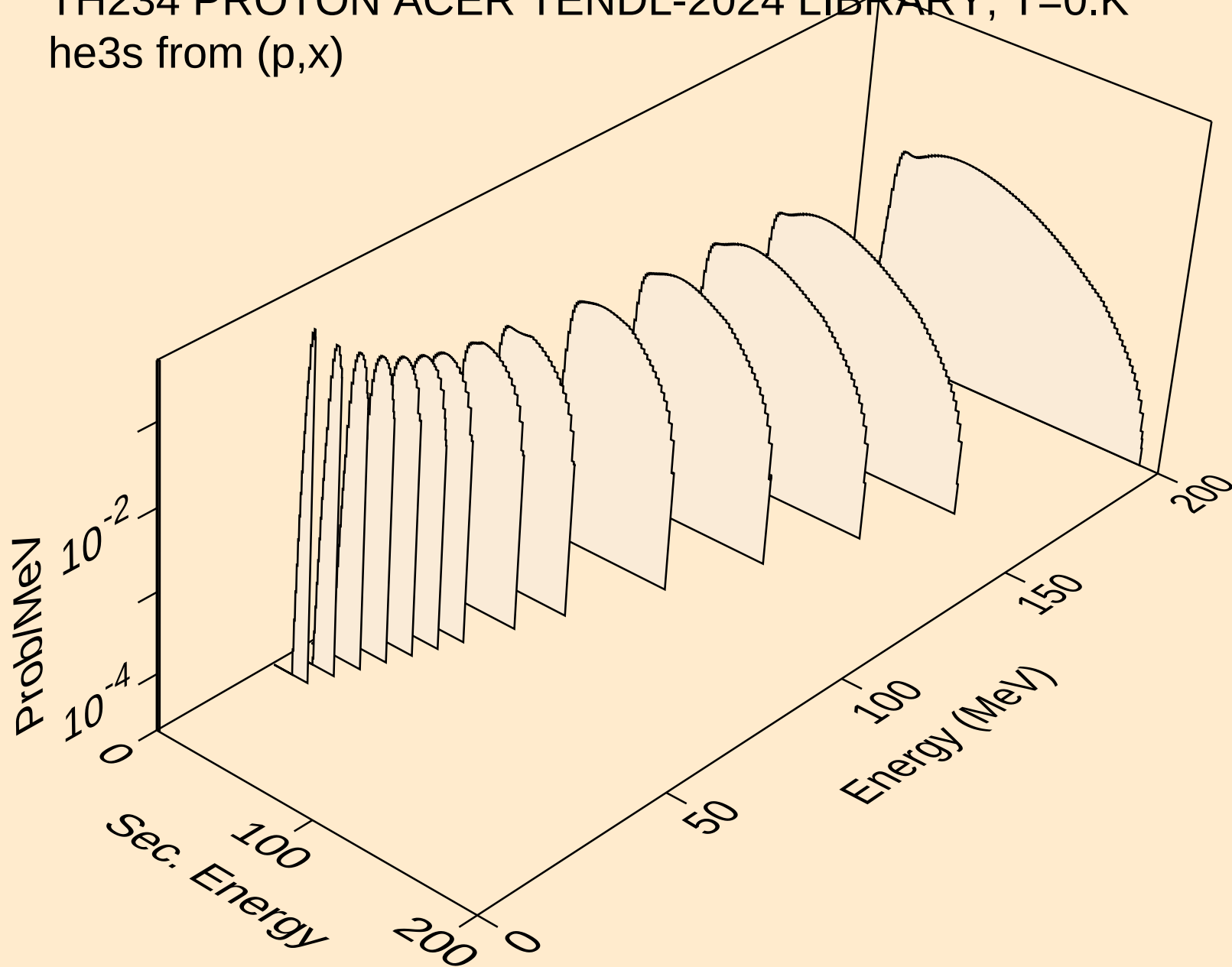
TH234 PROTON ACER TENDL-2024 LIBRARY;  $T=0.K$   
tritons from  $(p,n^*)t$



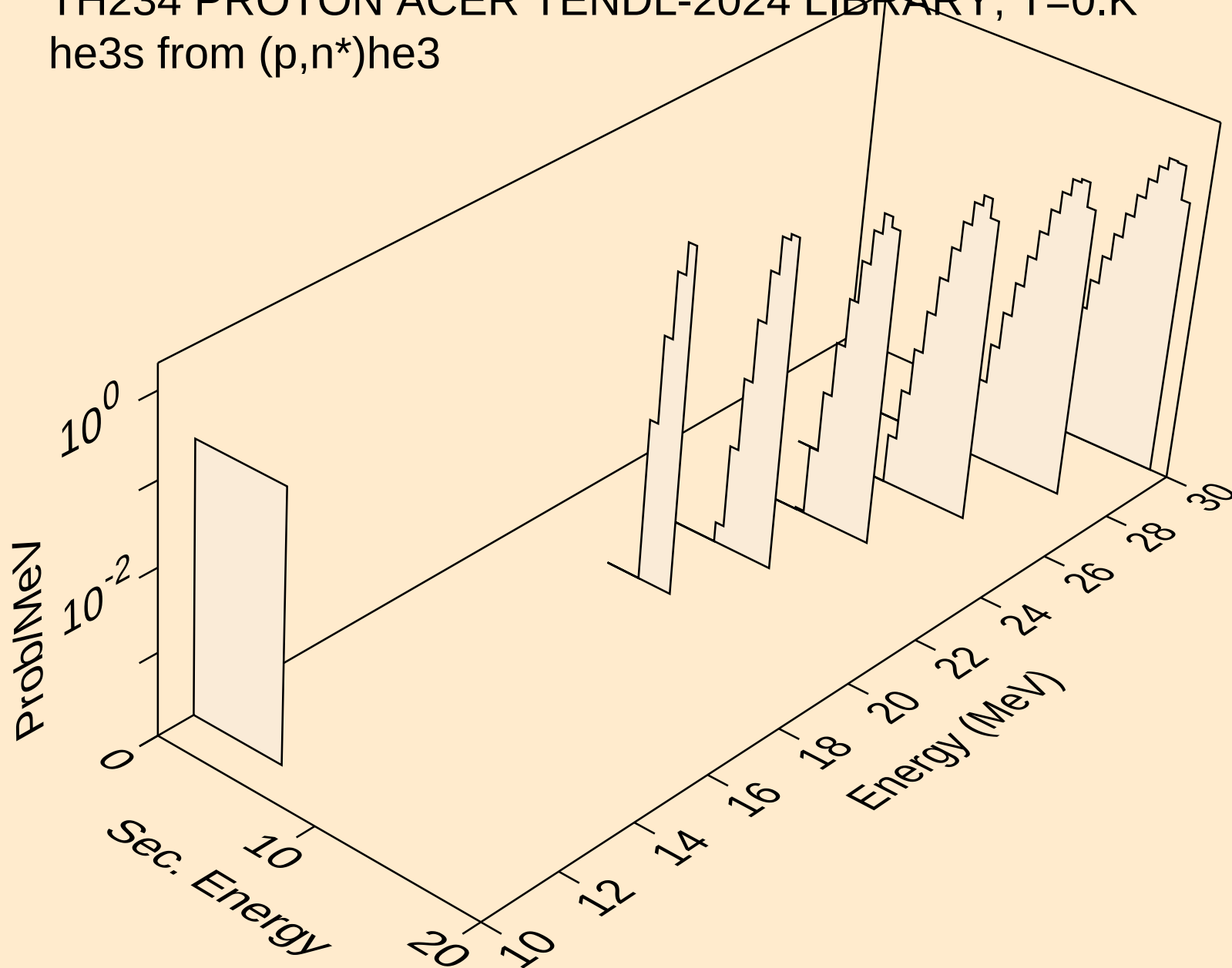
TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (p,t)



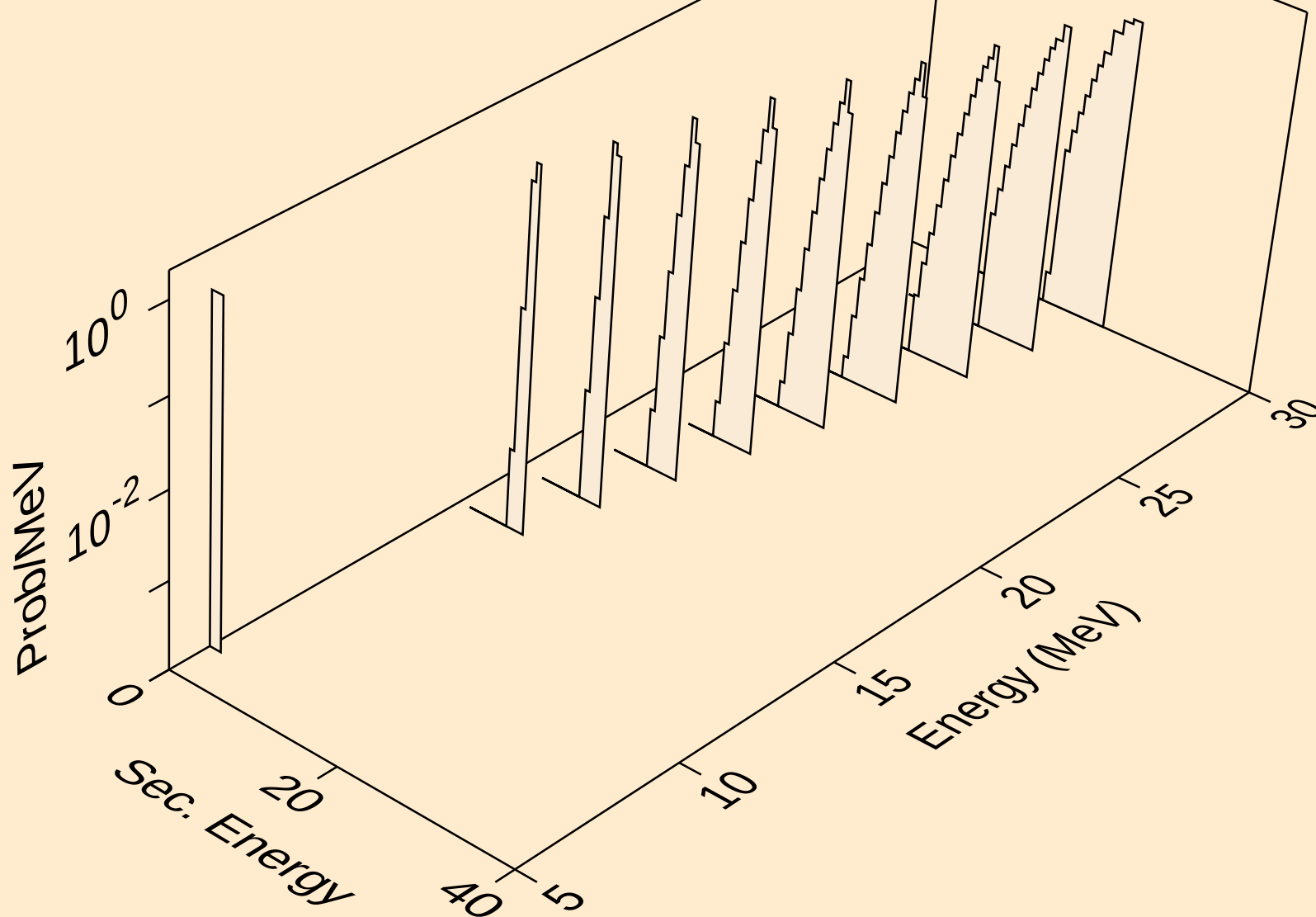
TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (p,x)



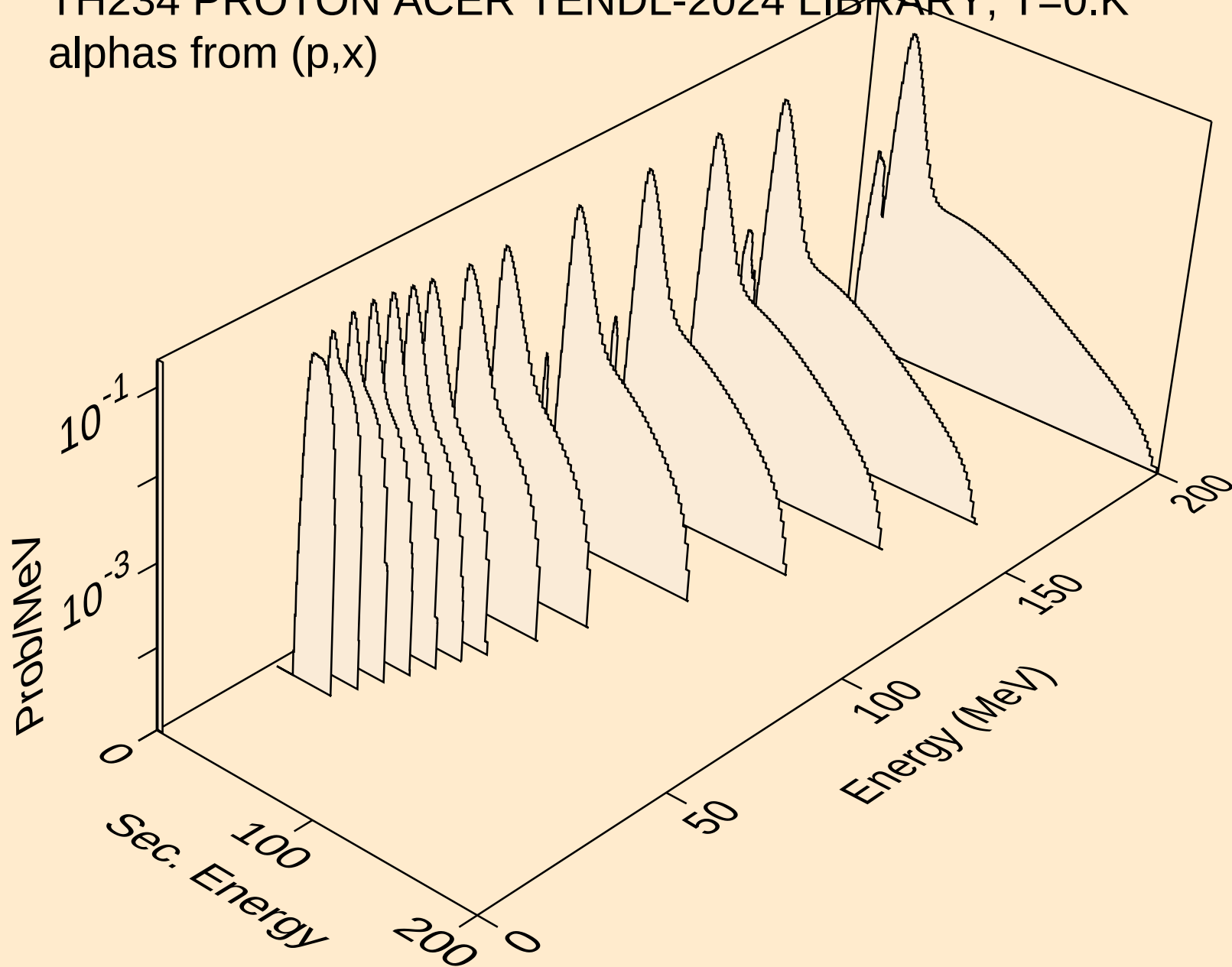
TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (p,n\*)he3



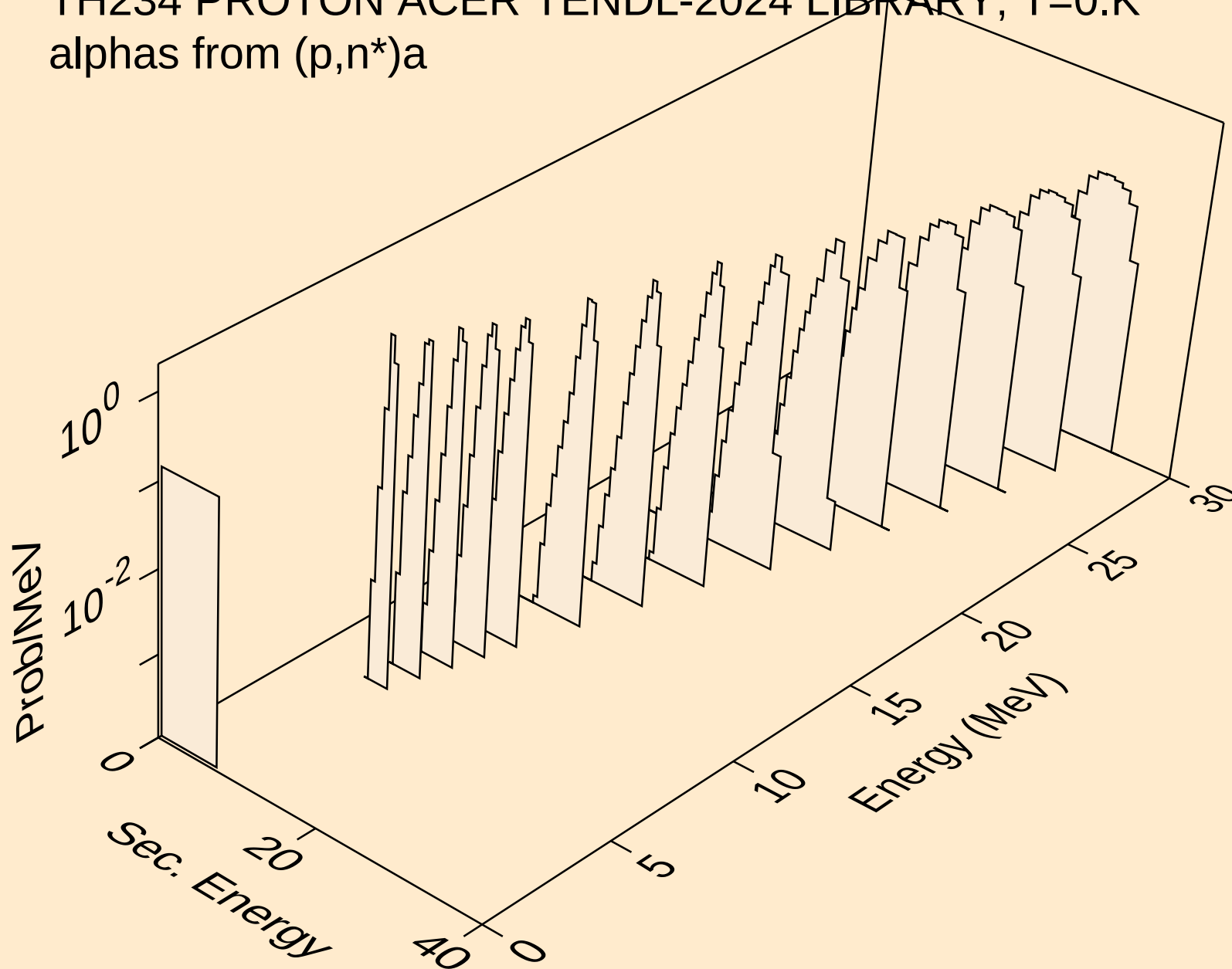
TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (p,he3)



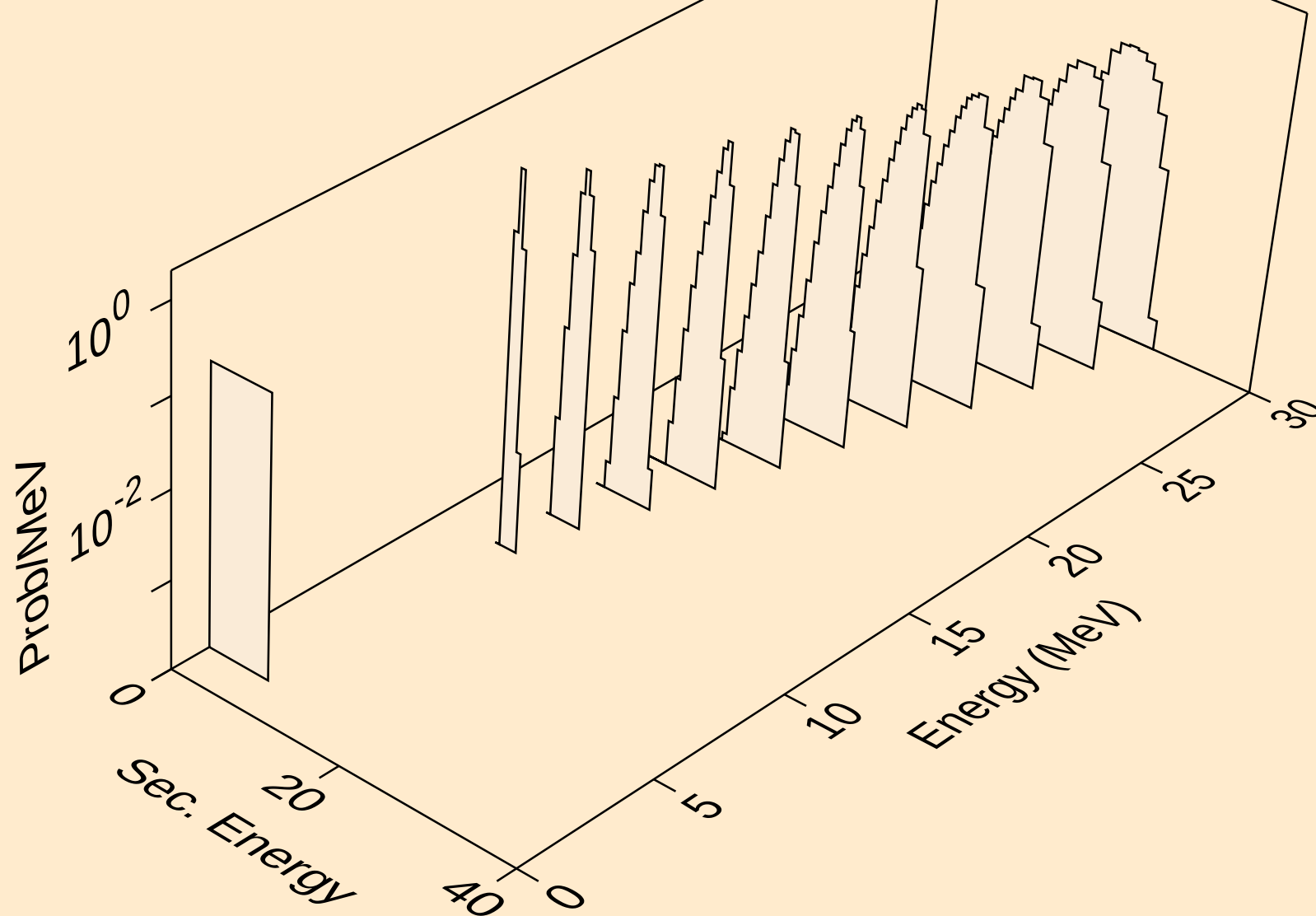
TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,x)



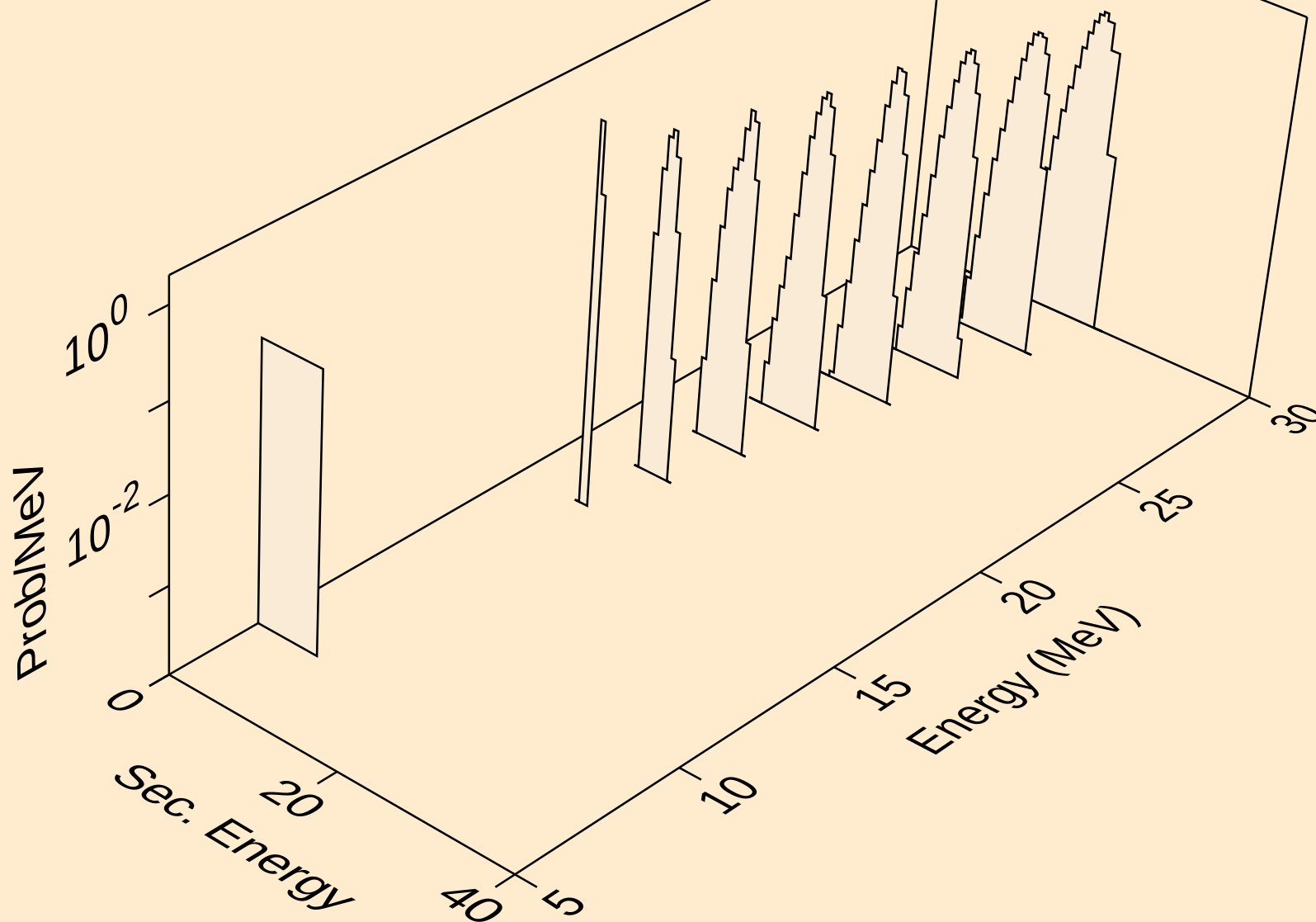
TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,n\*)a



TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,2n)a



TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,3n)a



TH234 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,a)

