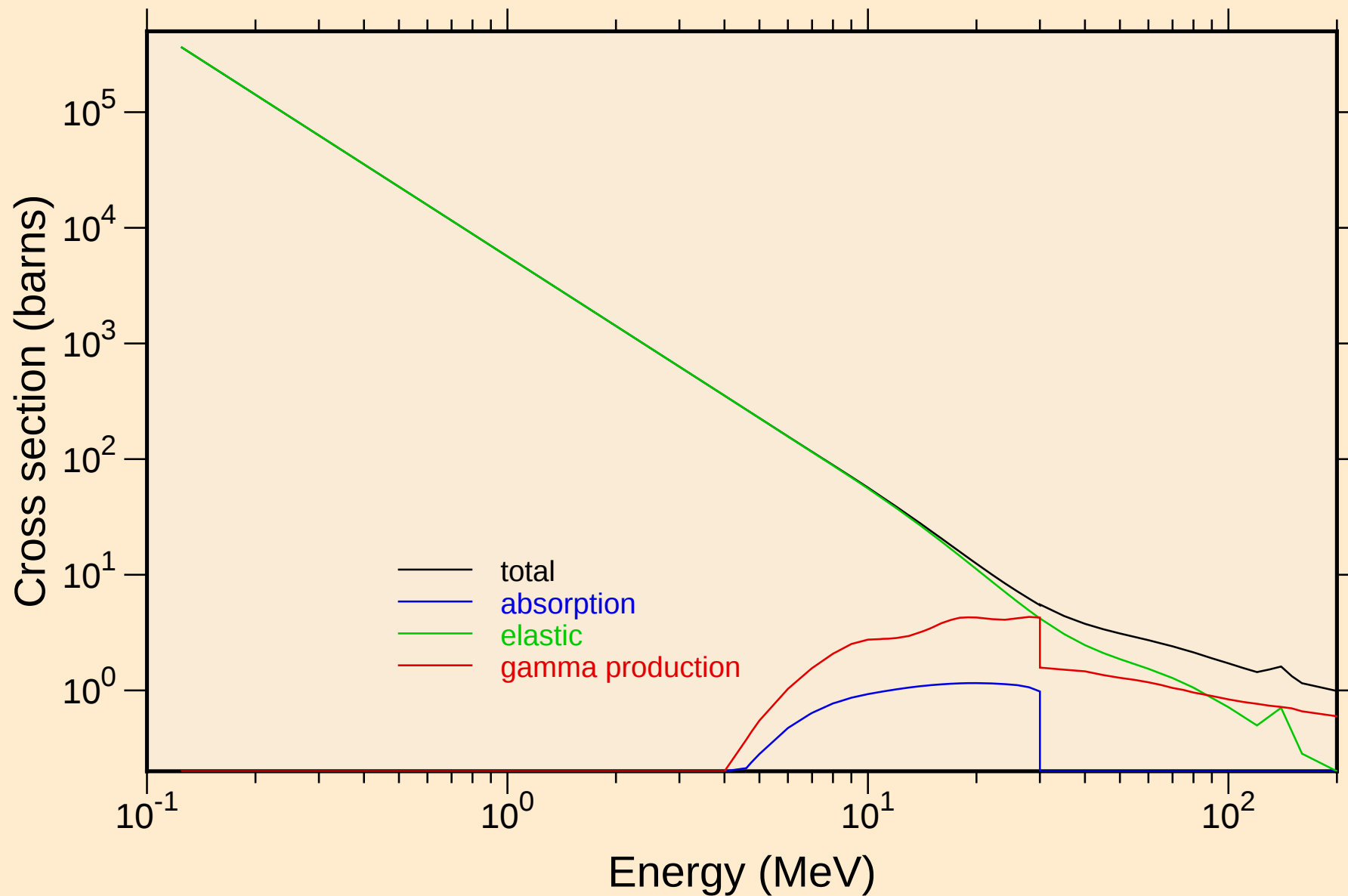


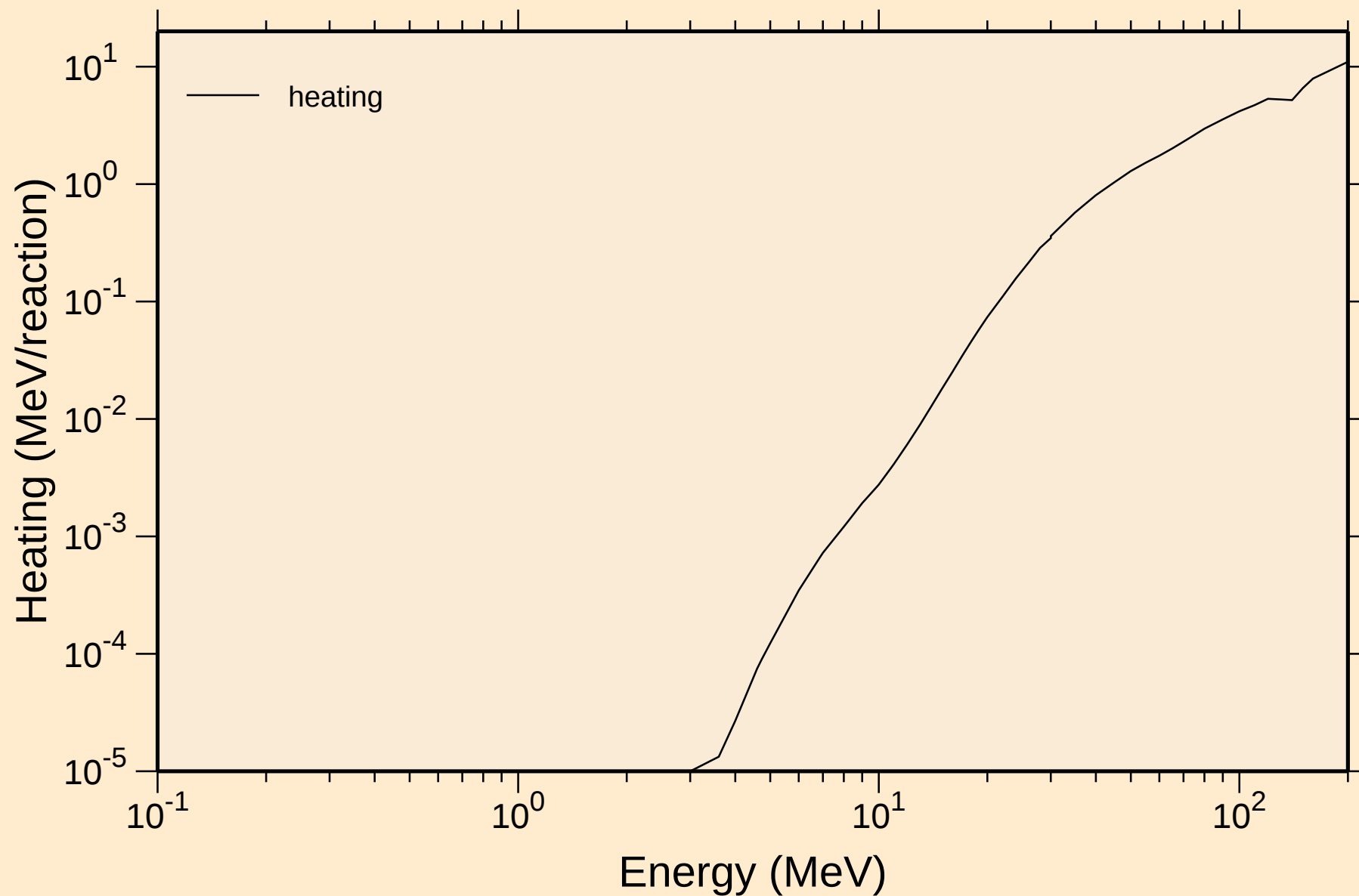
# ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



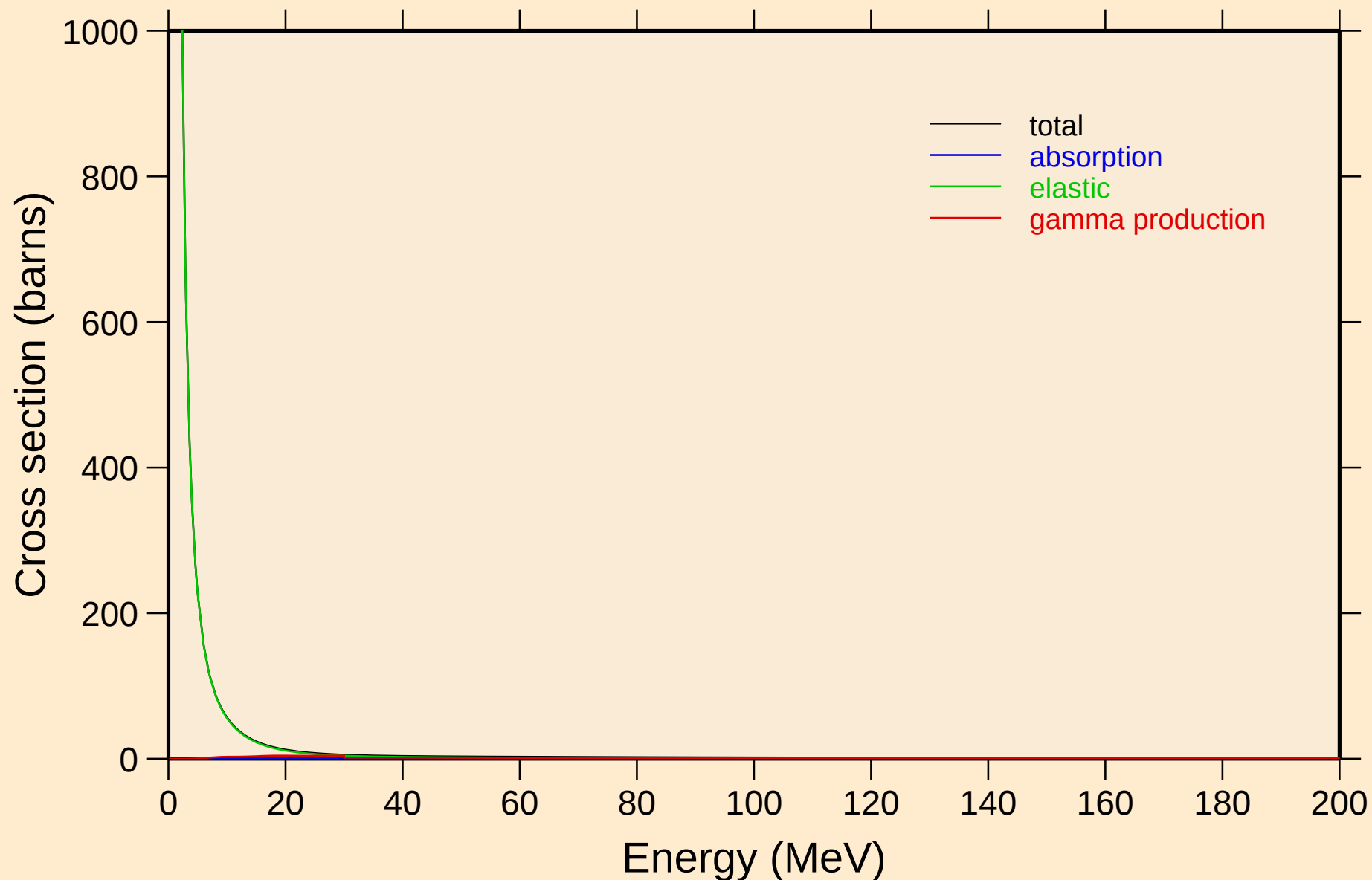
# ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Heating



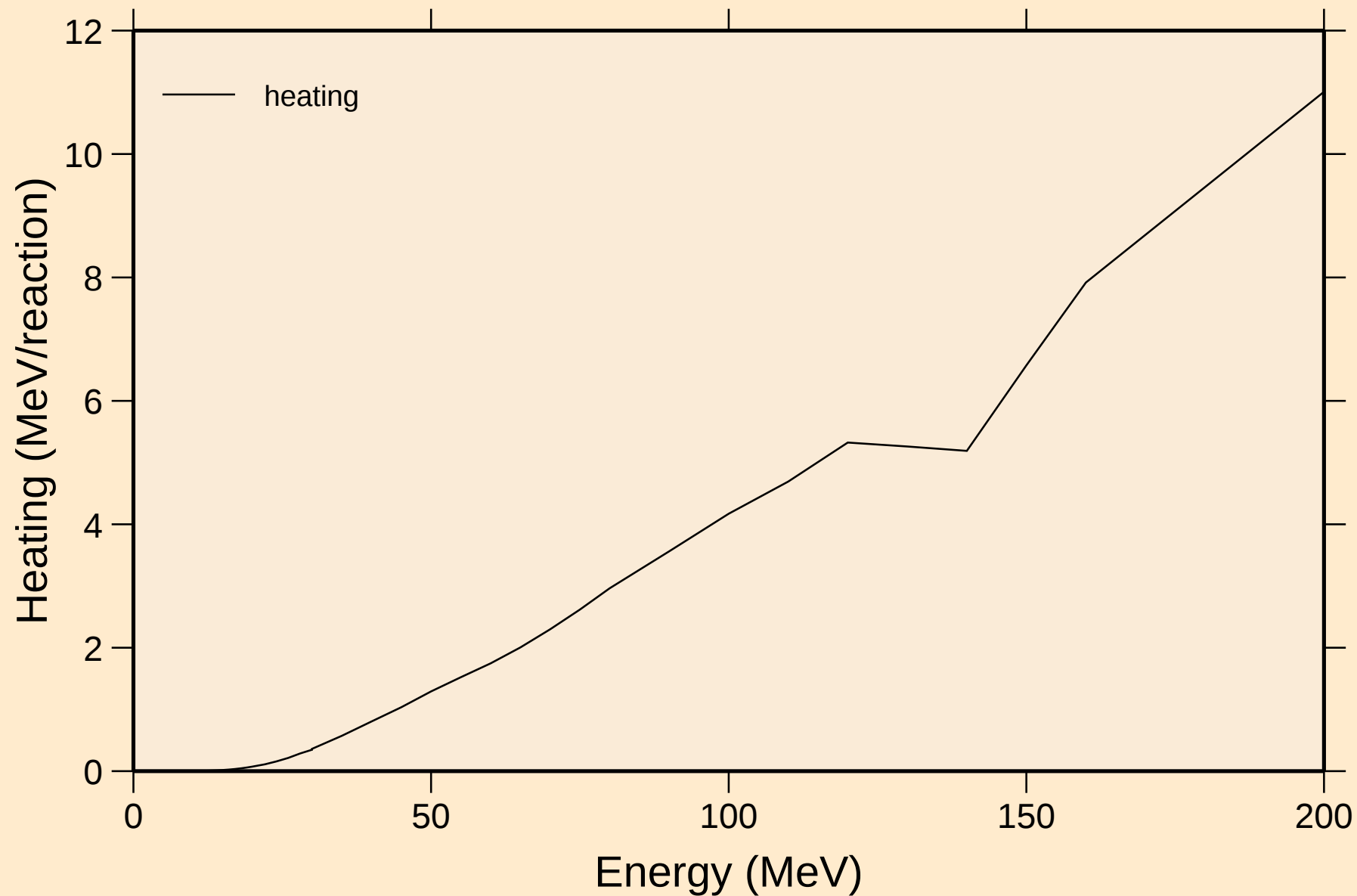
# ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



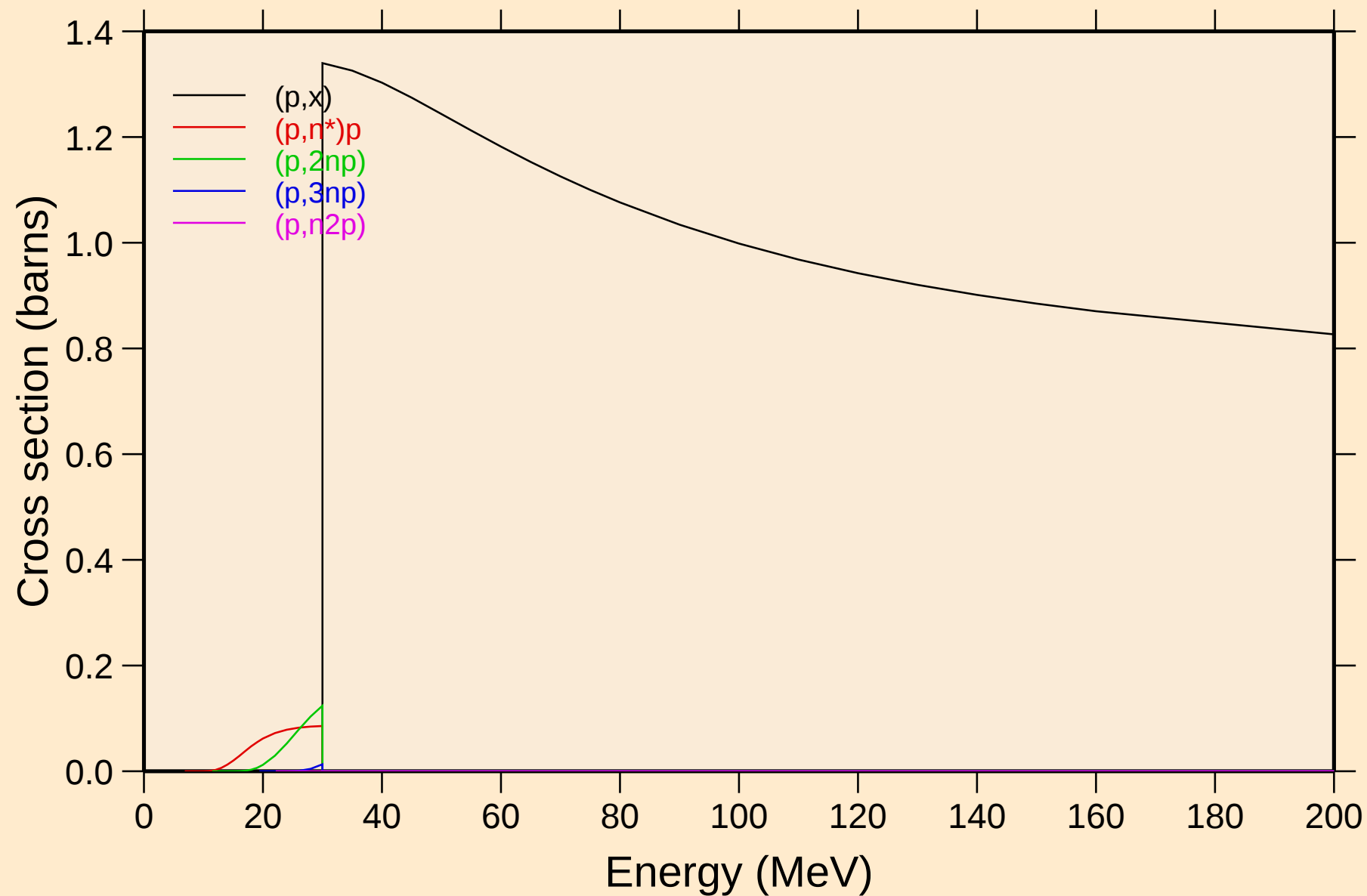
# ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Heating



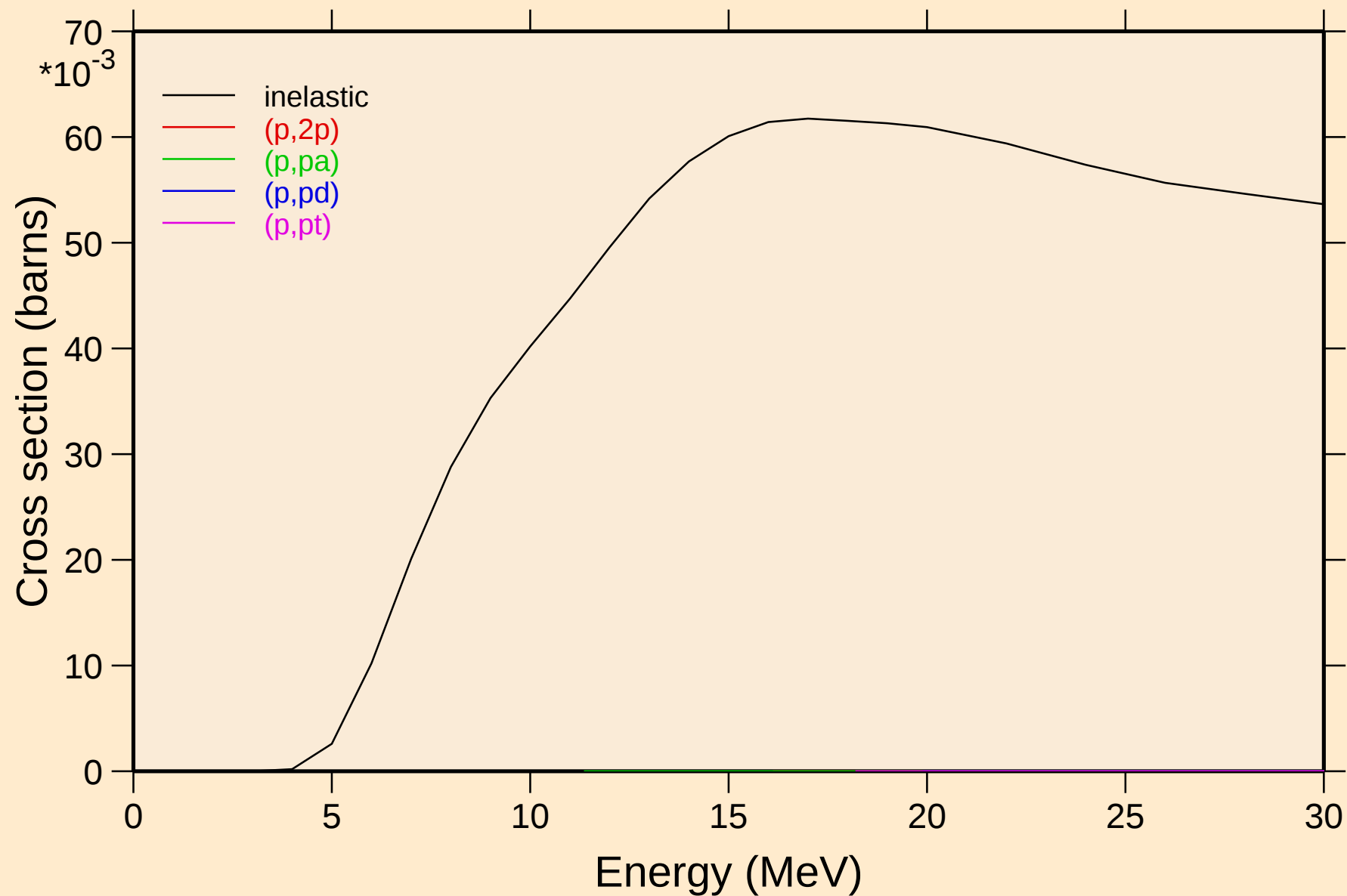
# ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Threshold reactions

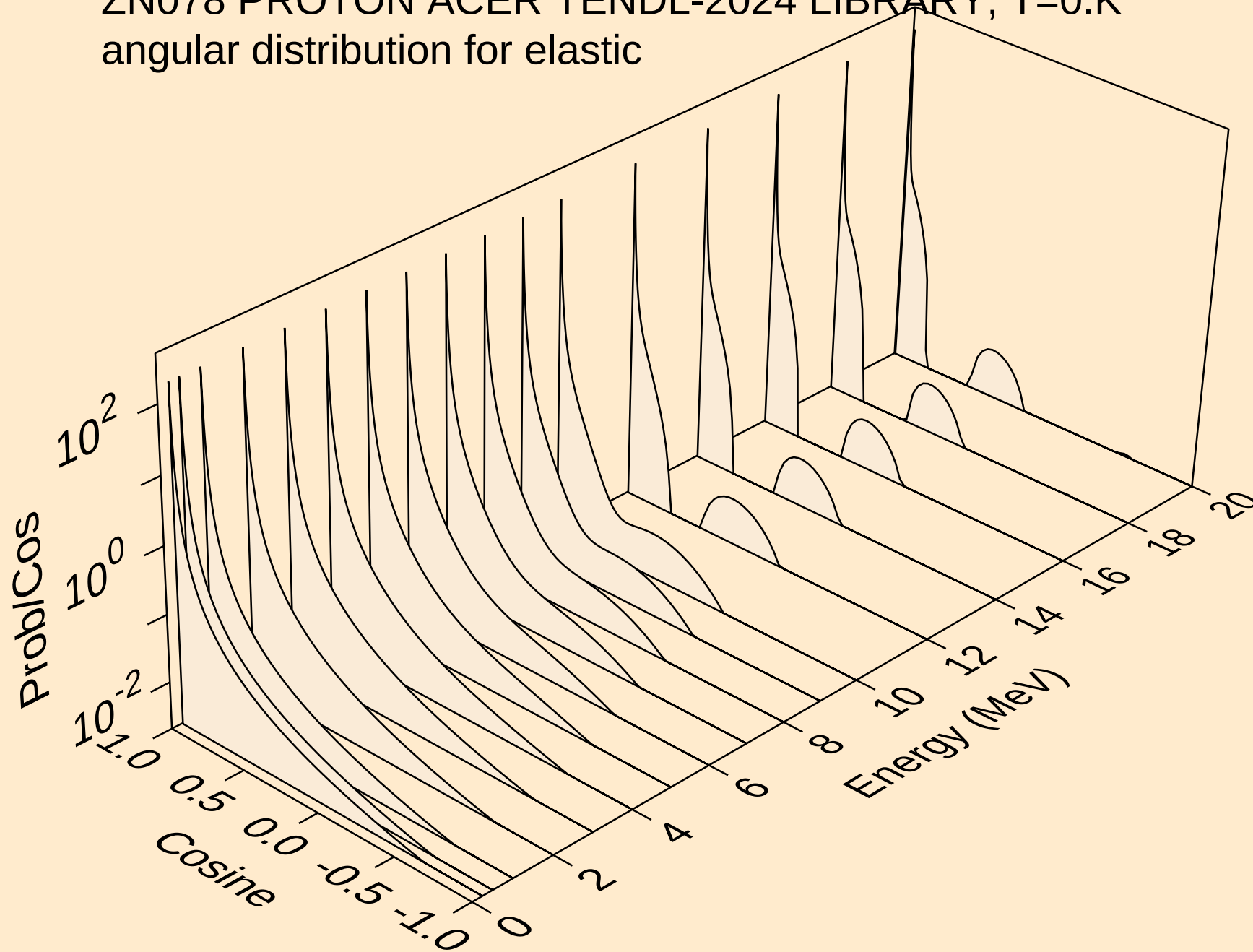


# ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K

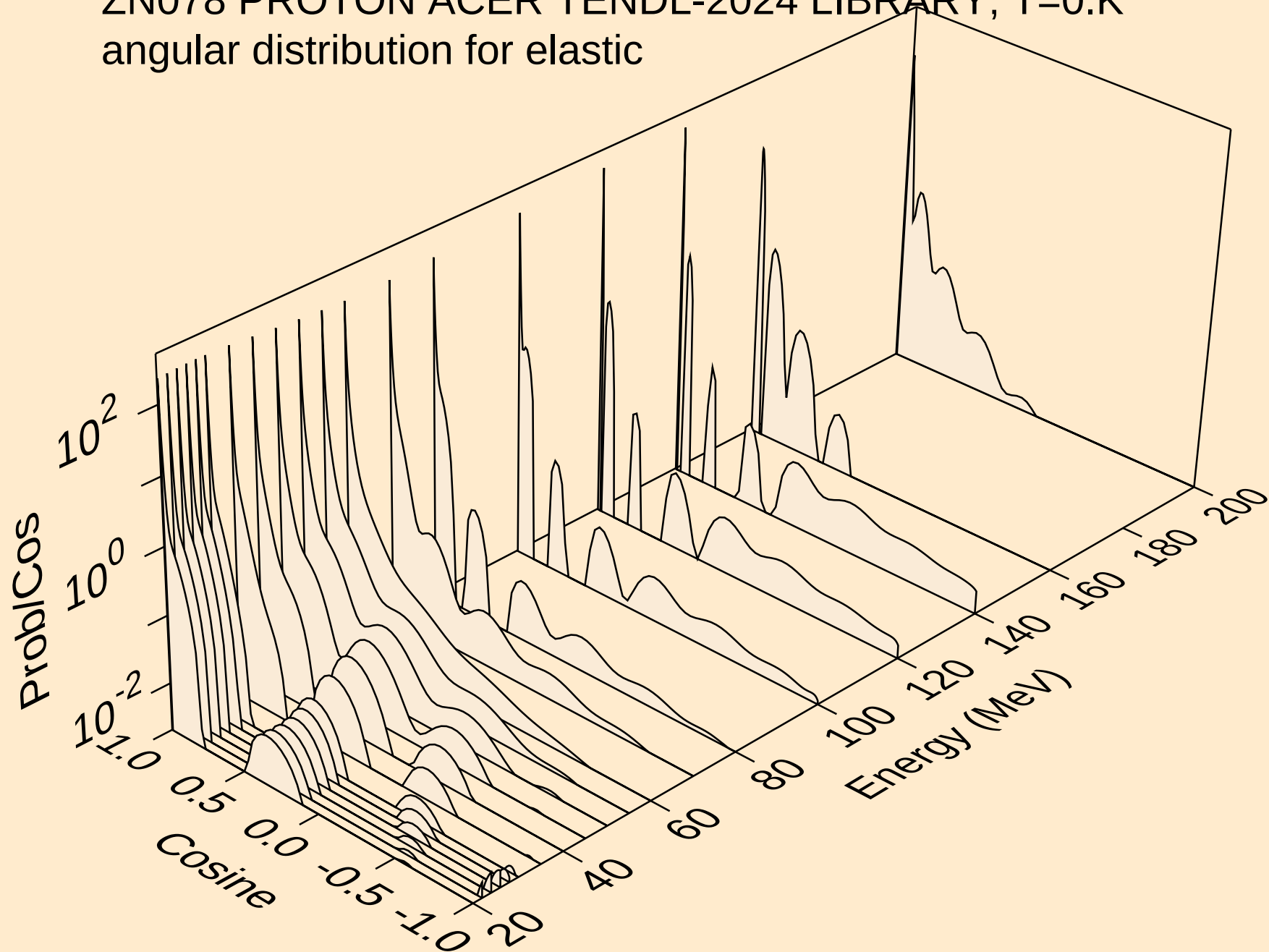
Threshold reactions



ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

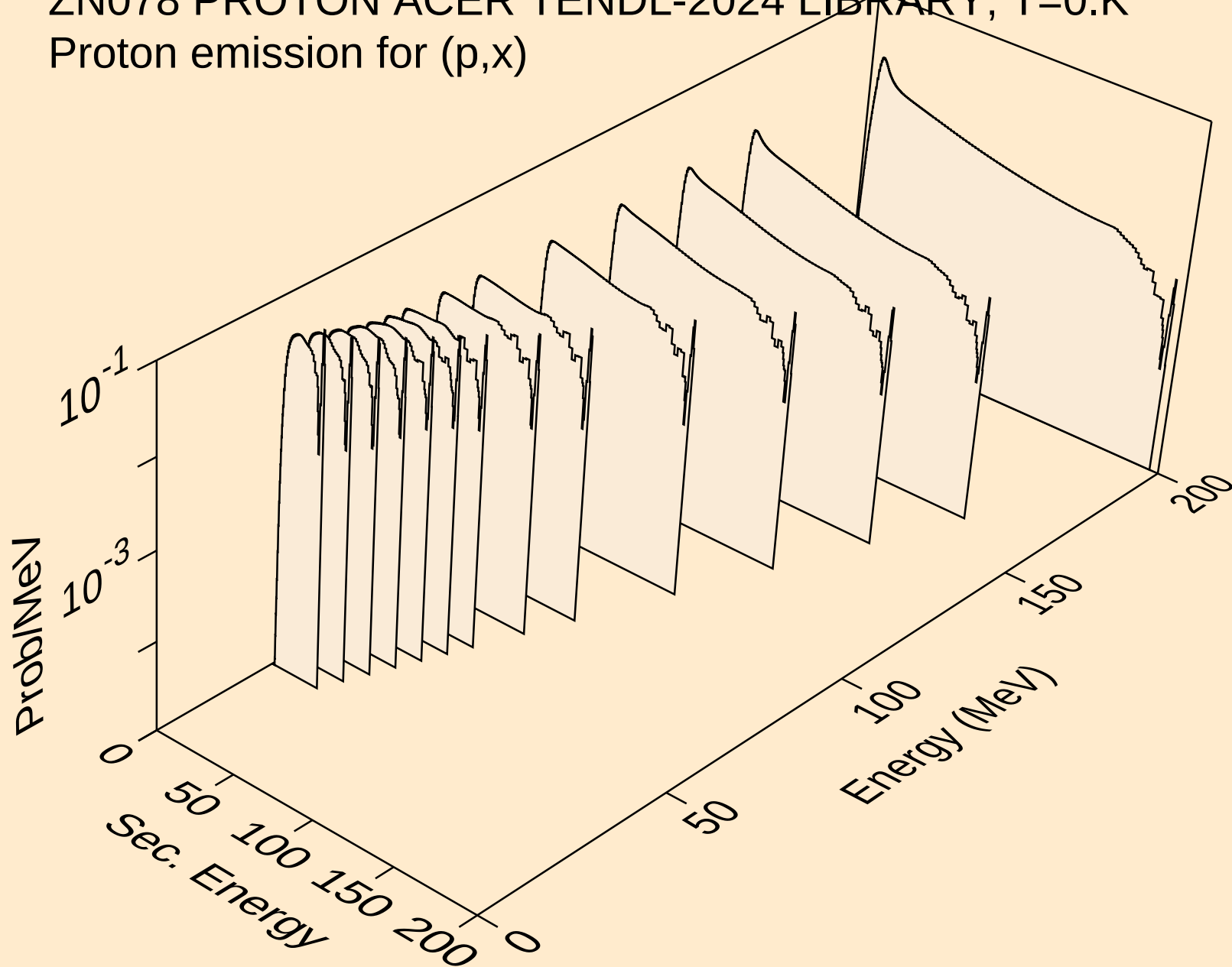


ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



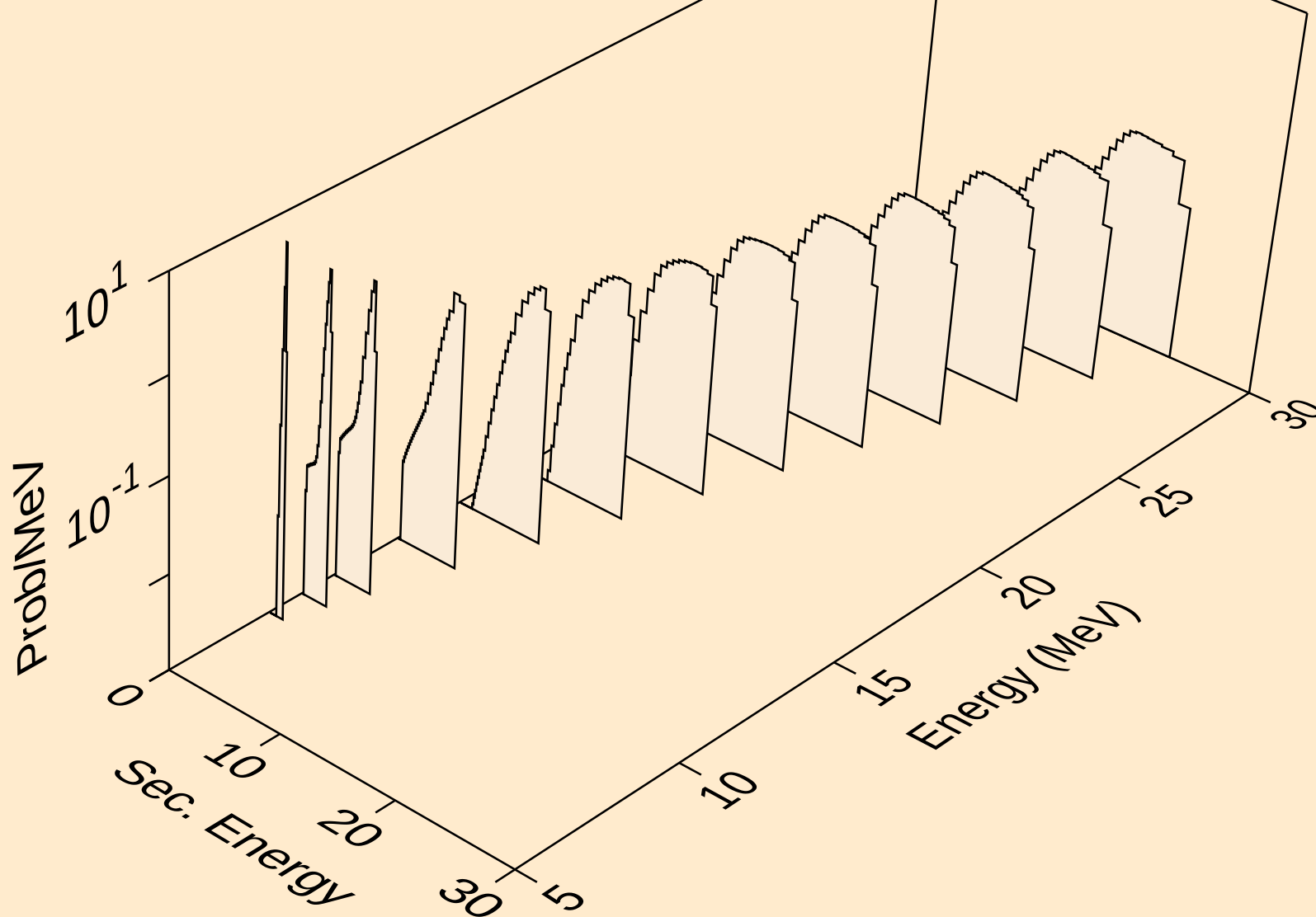
ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Proton emission for (p,x)

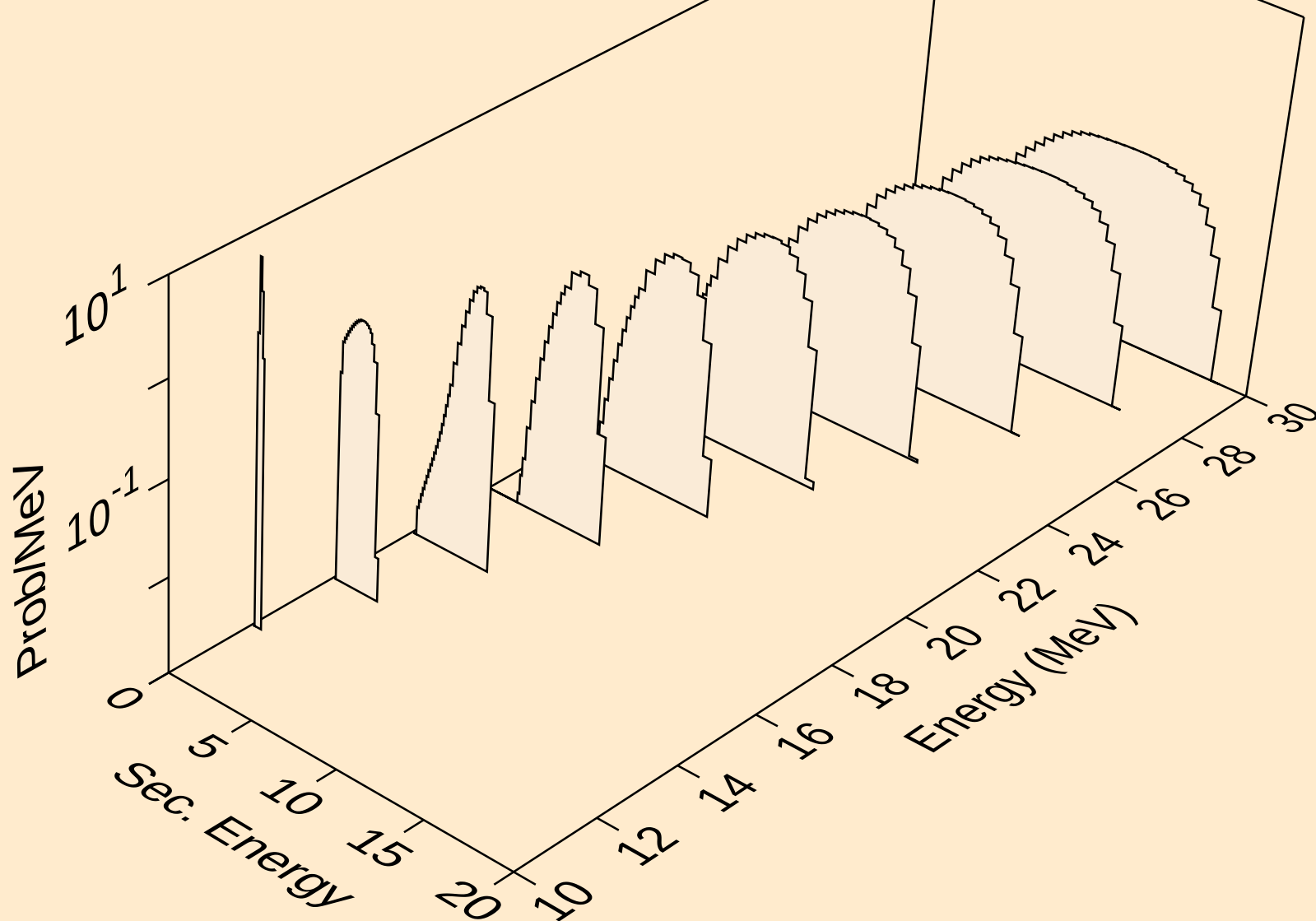


ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K

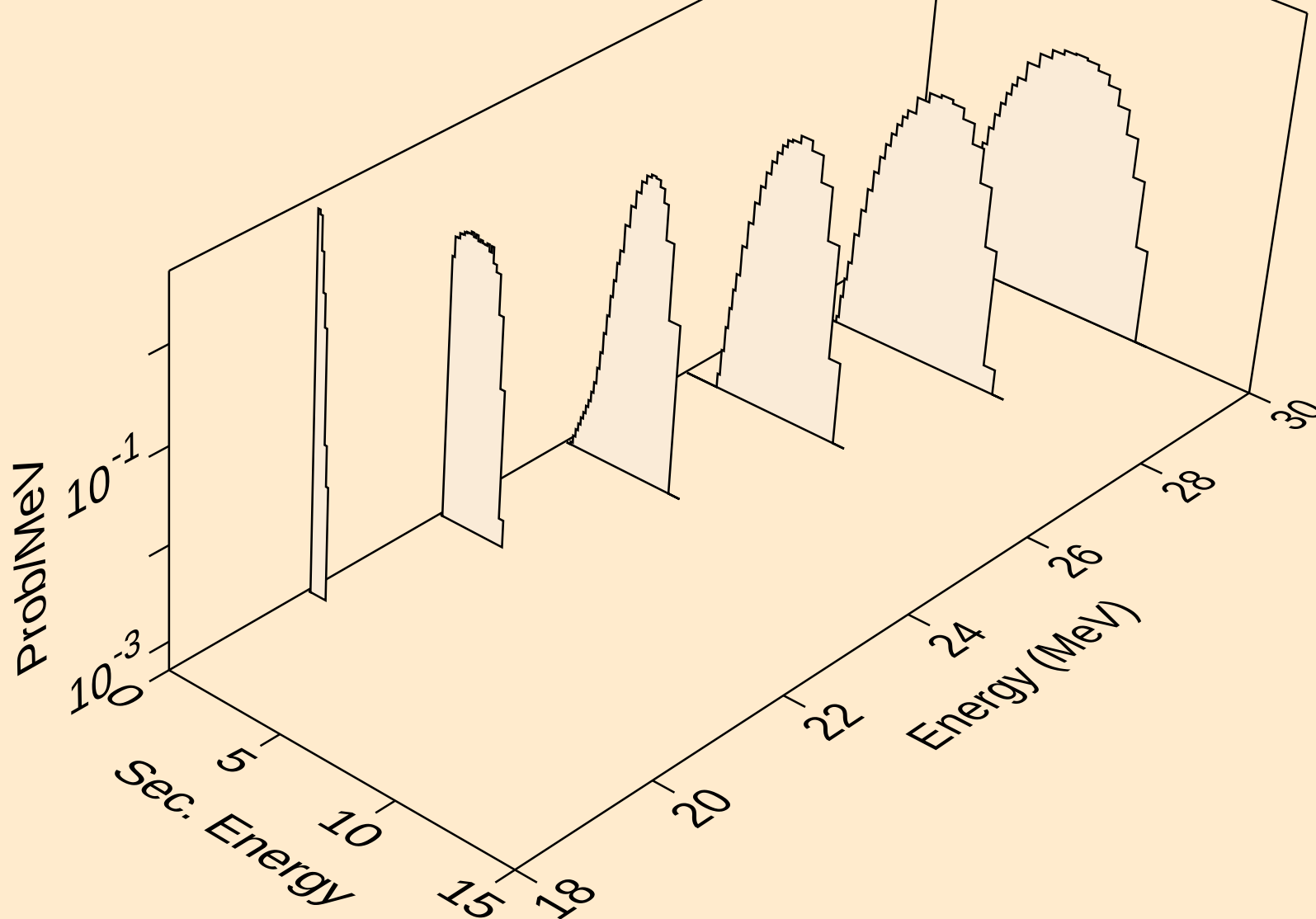
Proton emission for (p,n\*)p



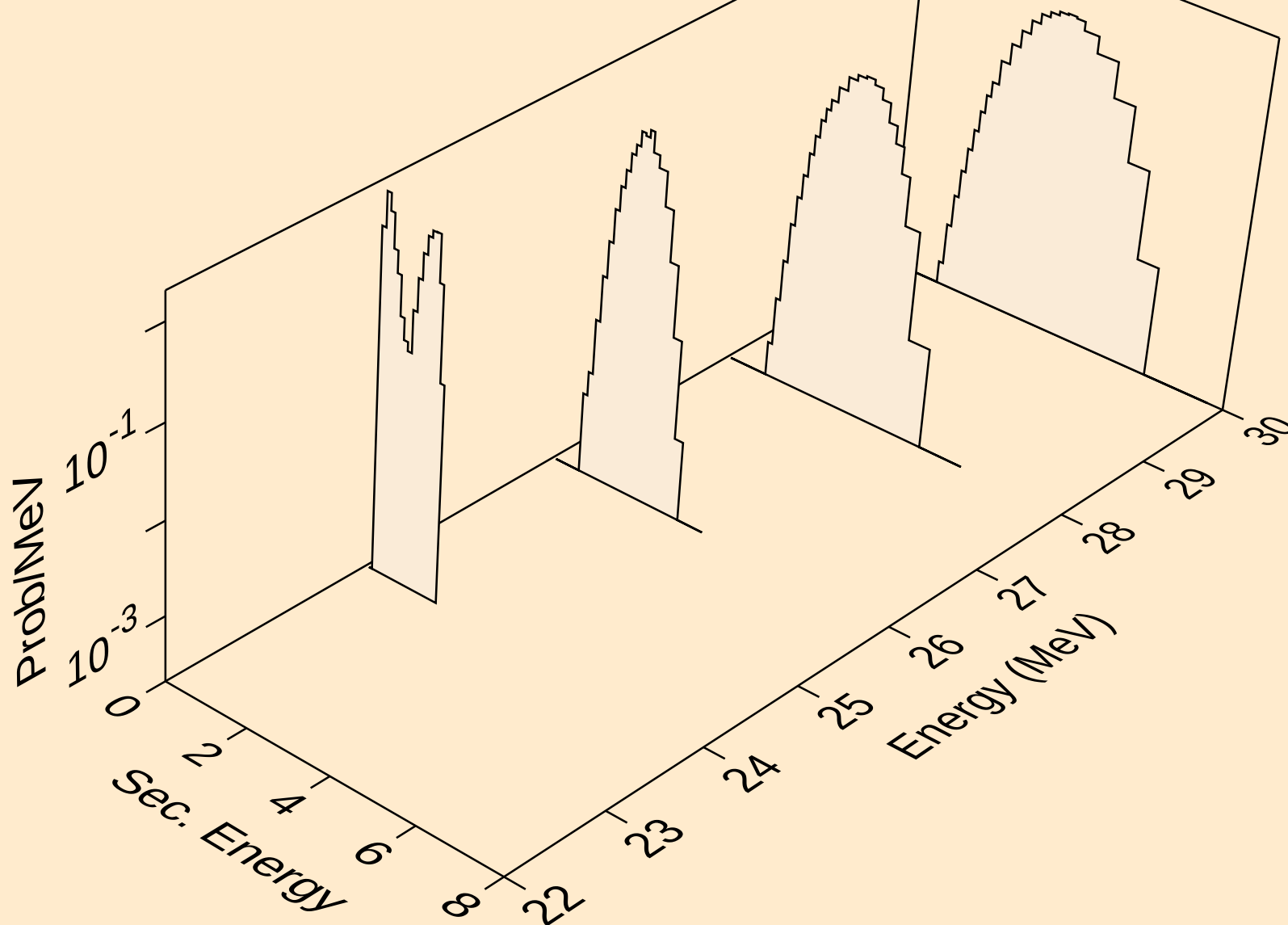
ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,2np)



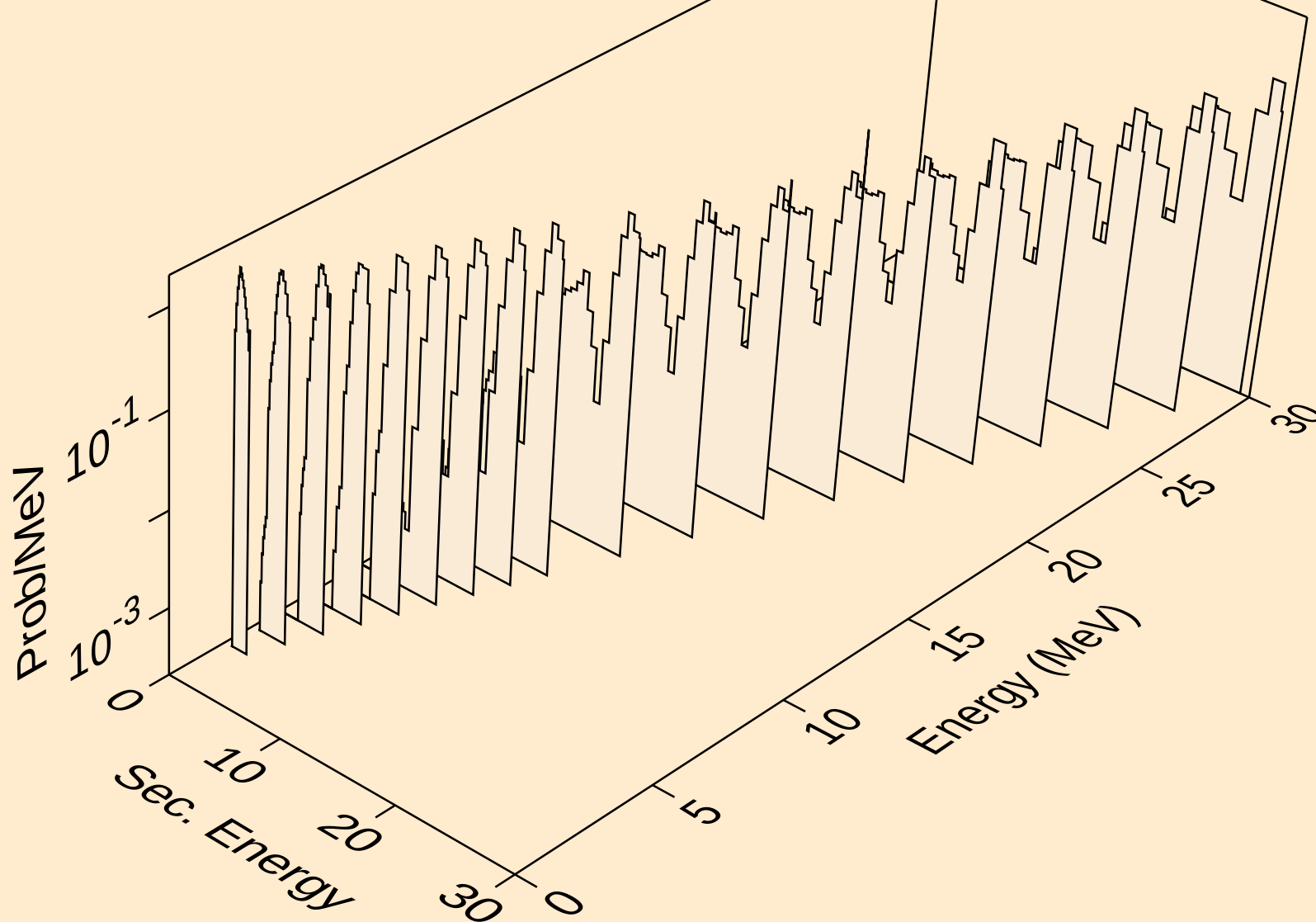
ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,3np)



ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,n2p)

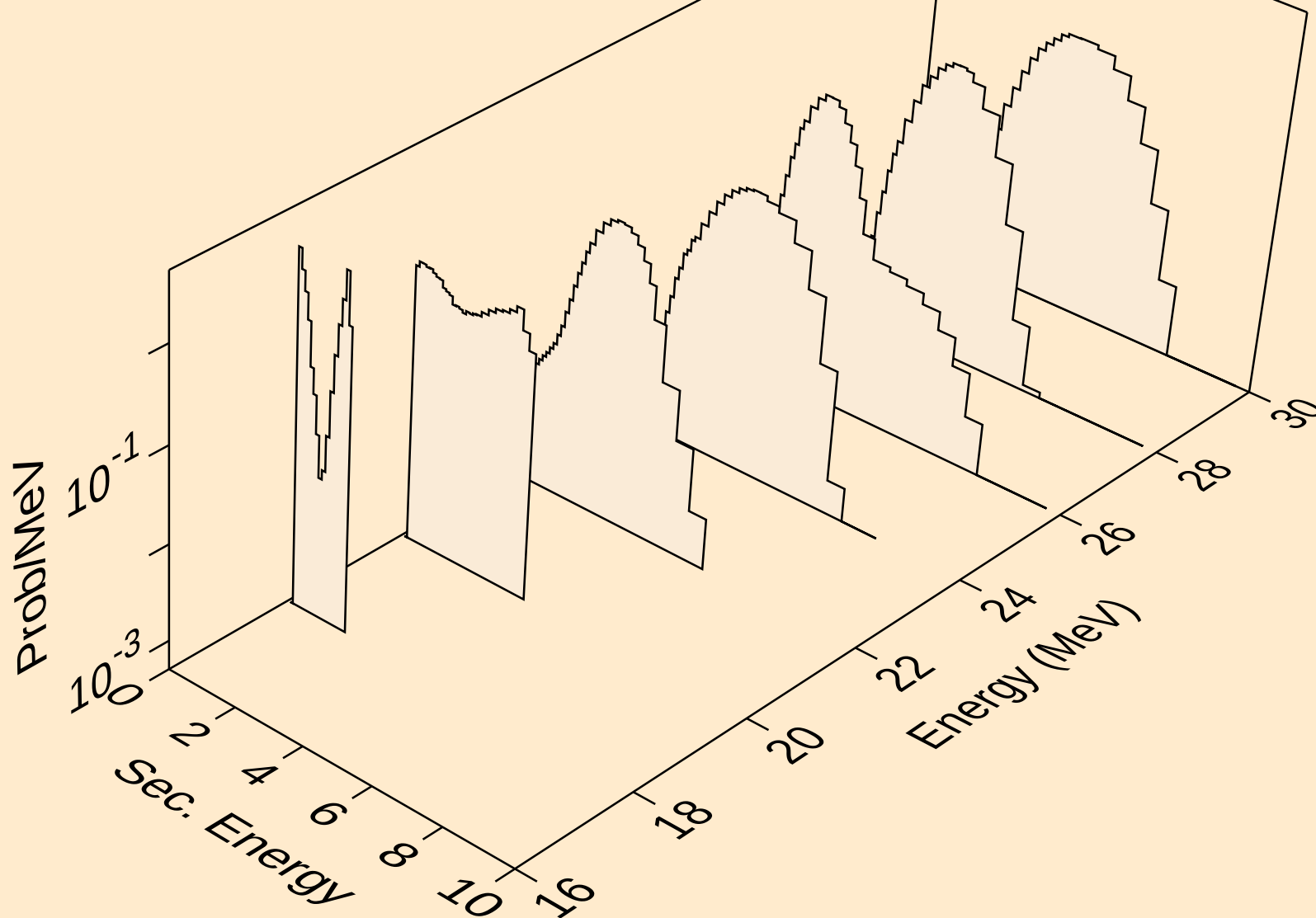


ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for inelastic



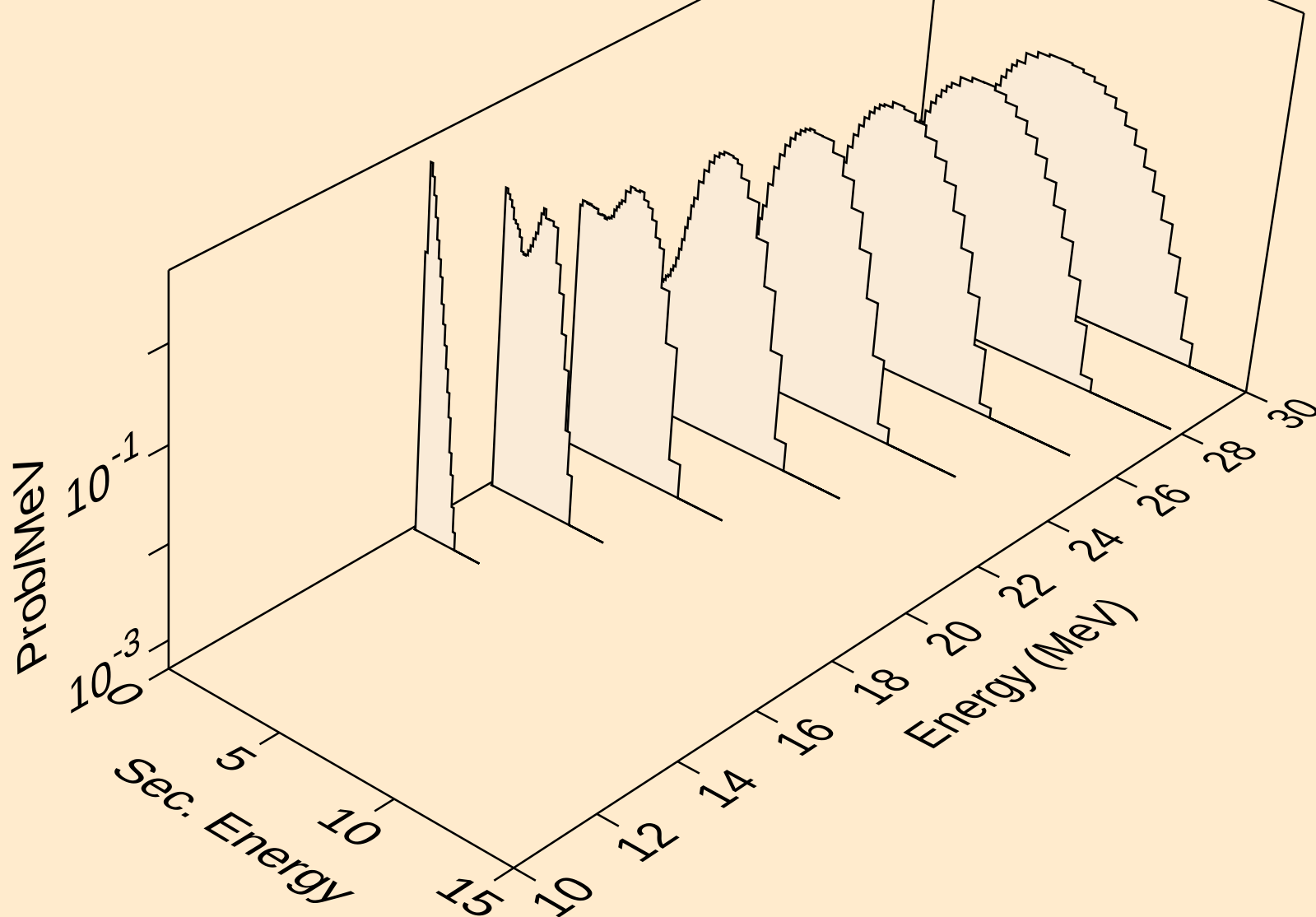
ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Proton emission for (p,2p)



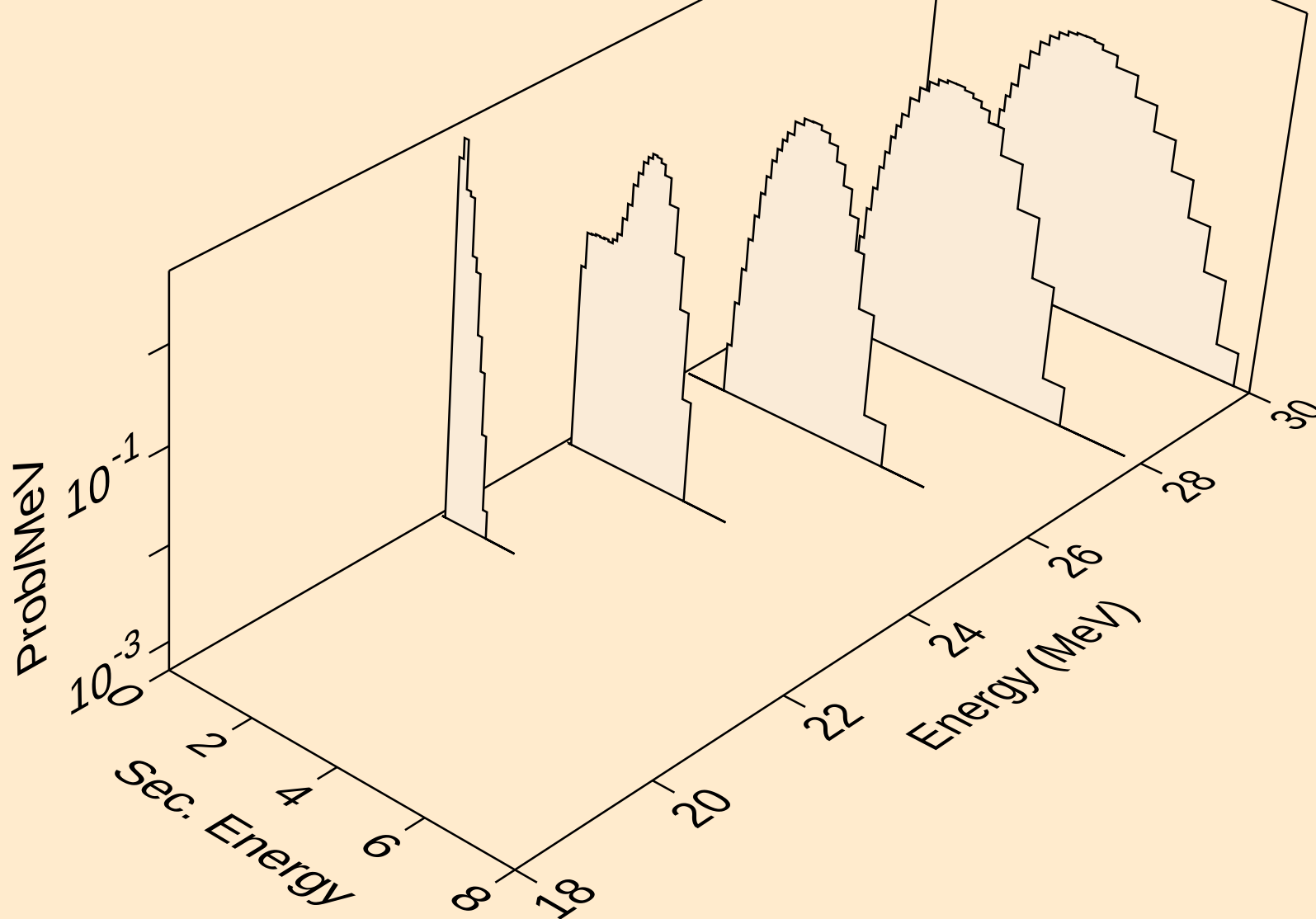
ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Proton emission for (p,pa)



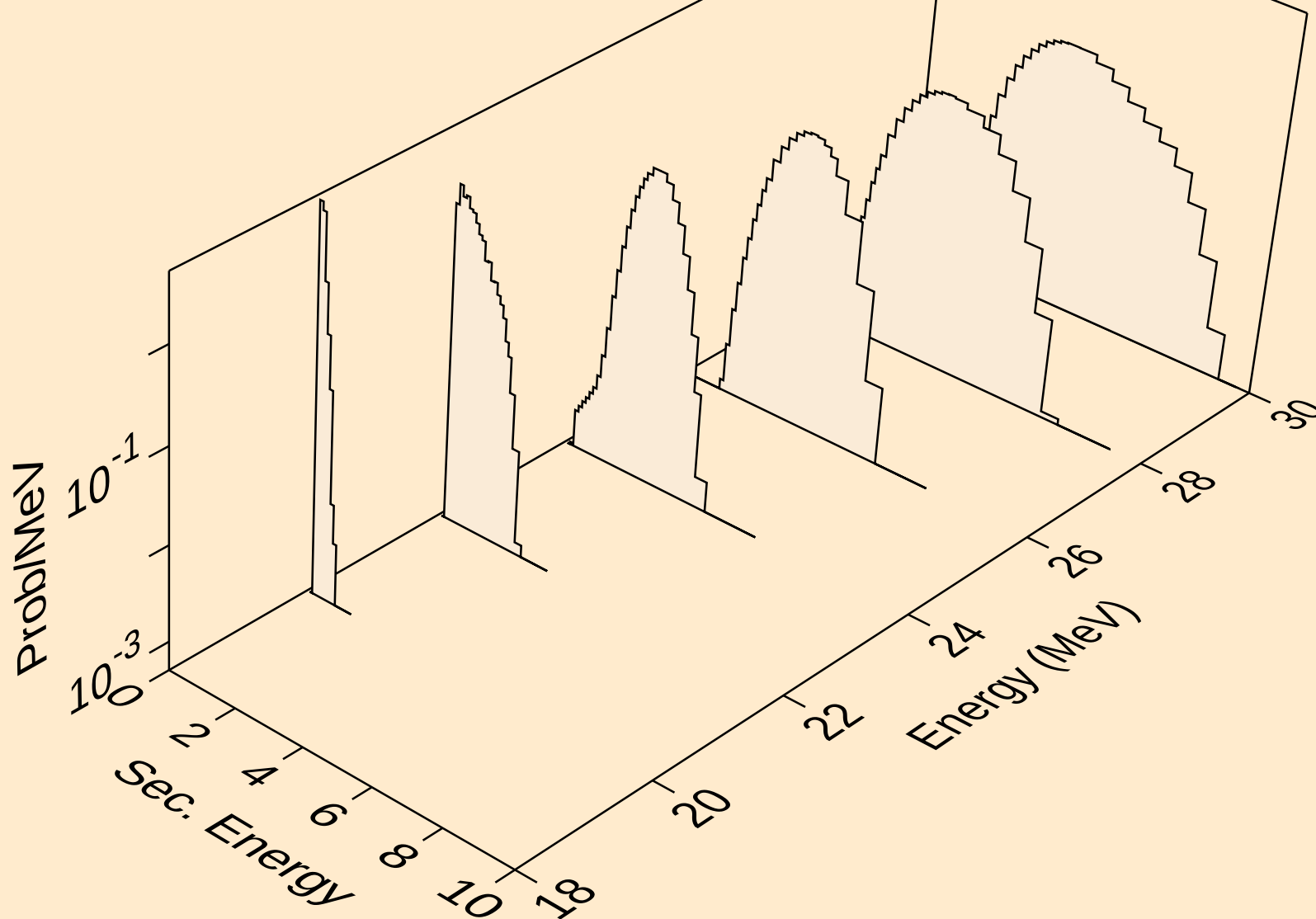
ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Proton emission for (p,pd)

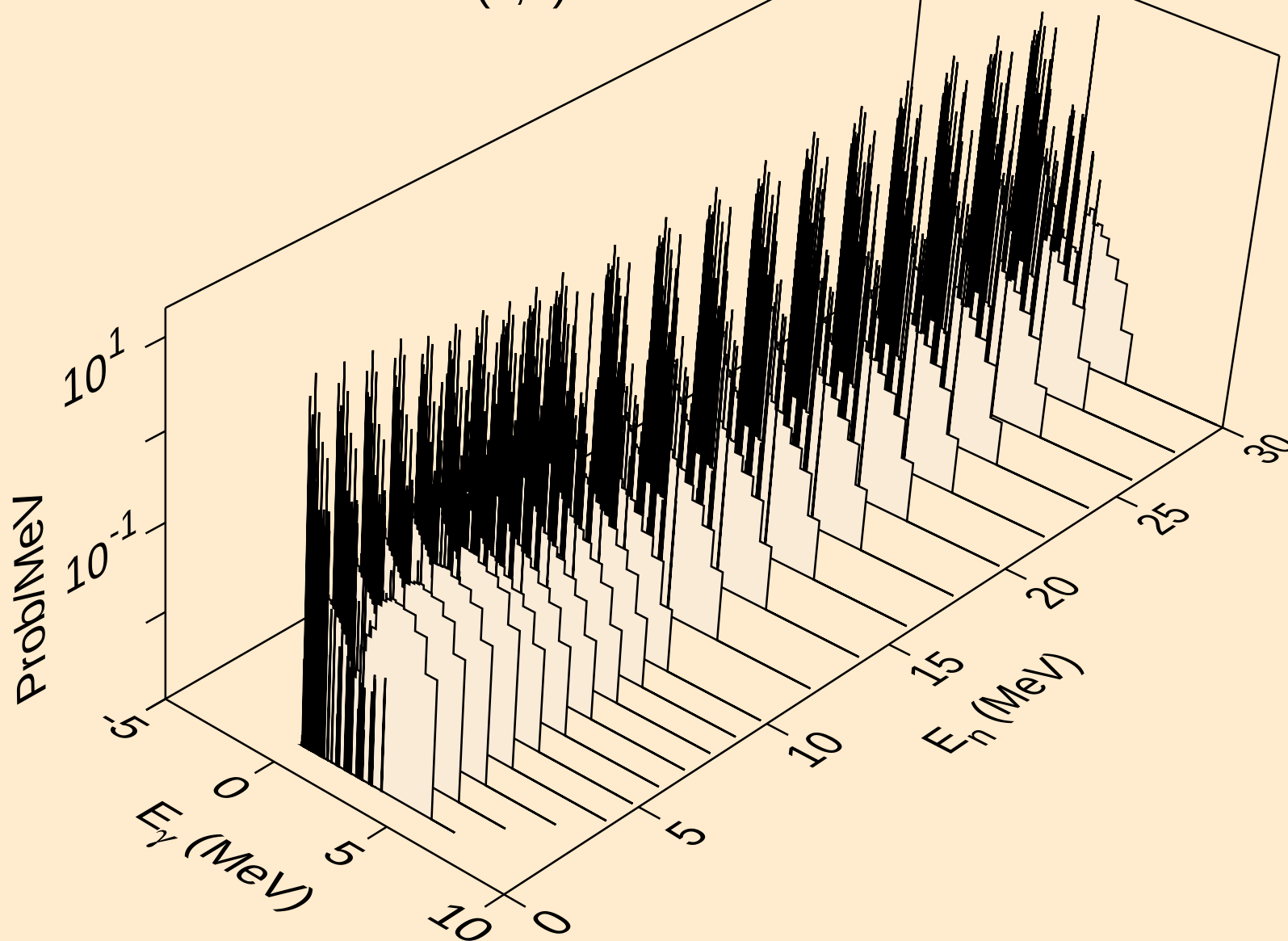


ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Proton emission for (p,pt)

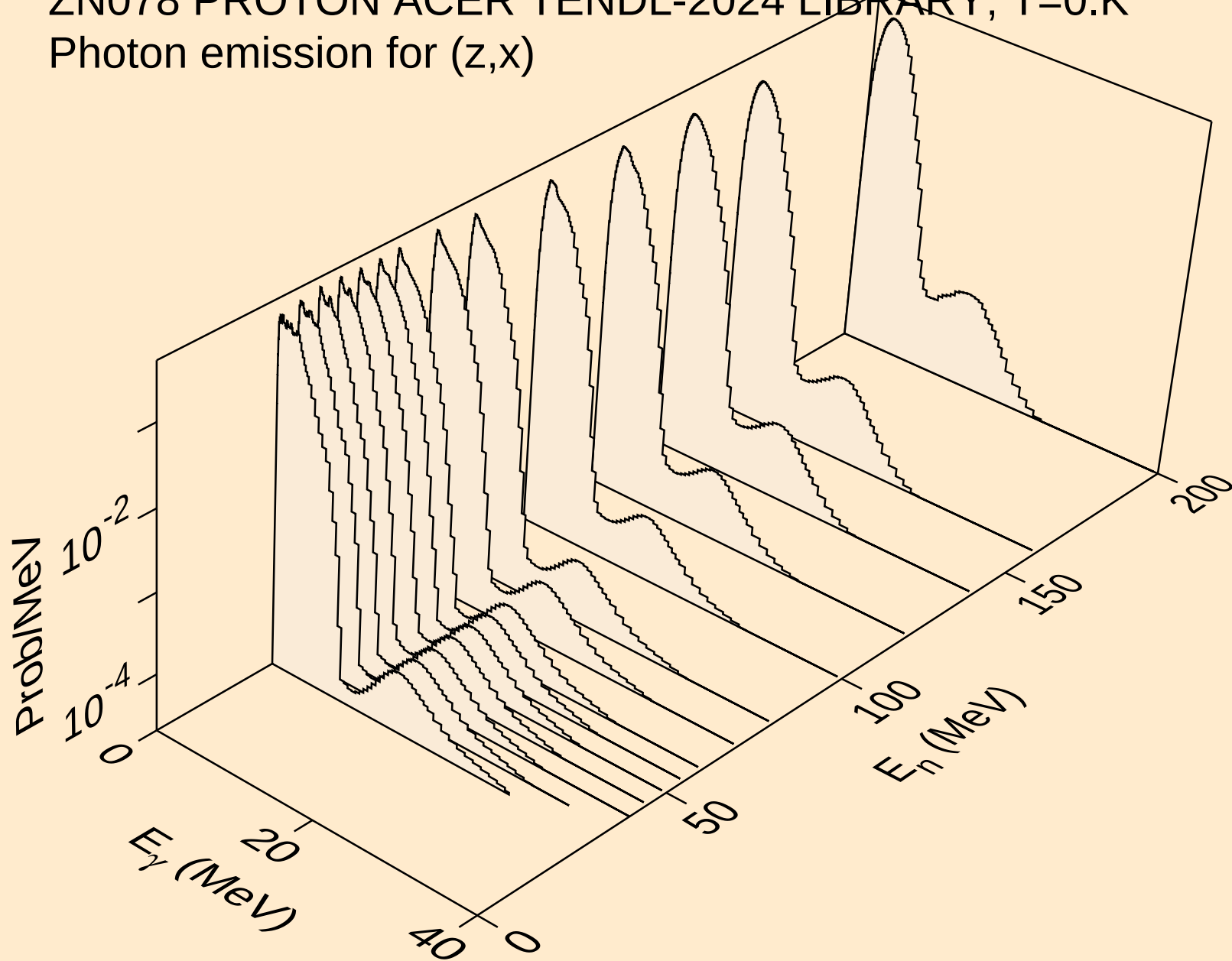


ZN078 PROTON ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (z,n)

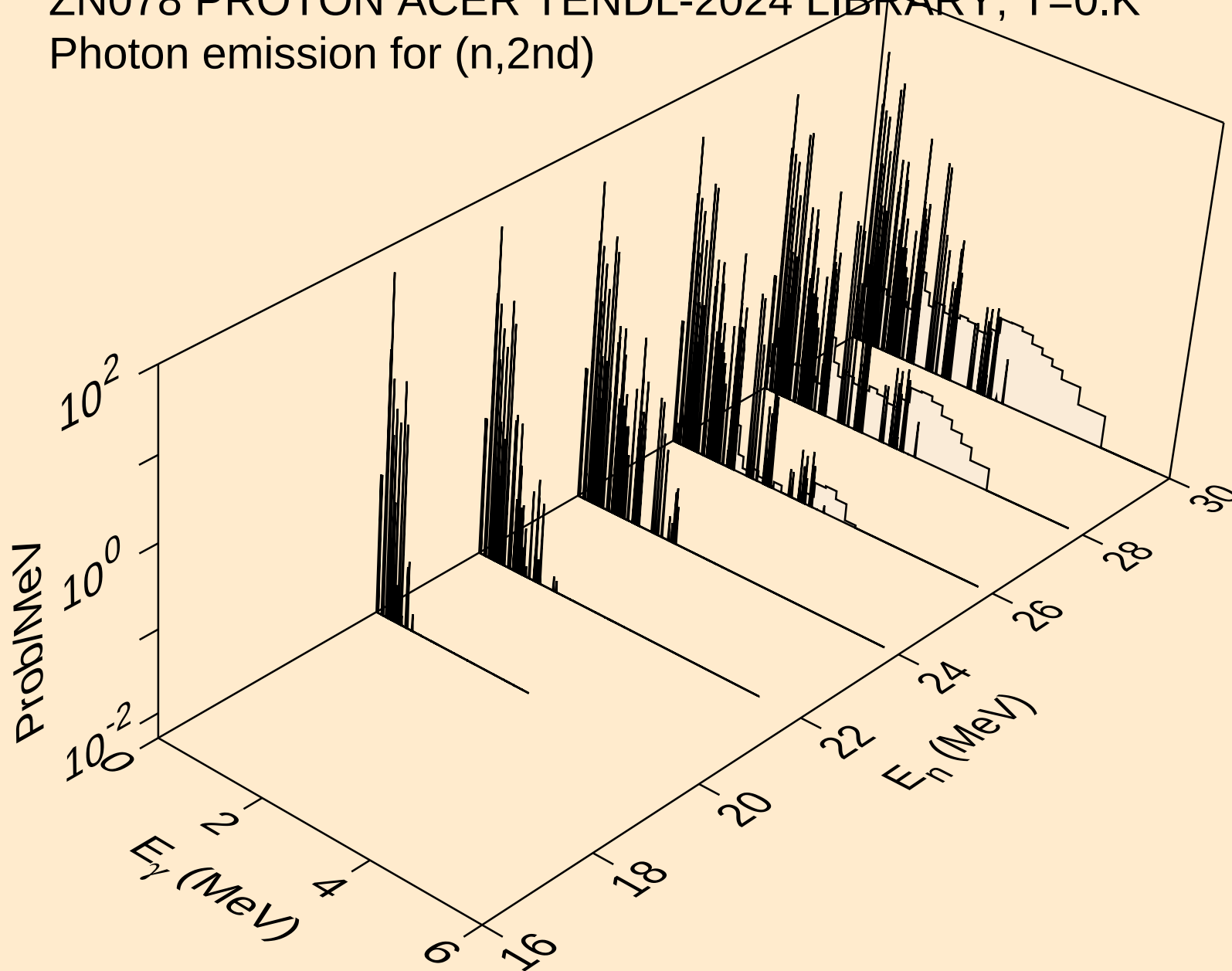


ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K

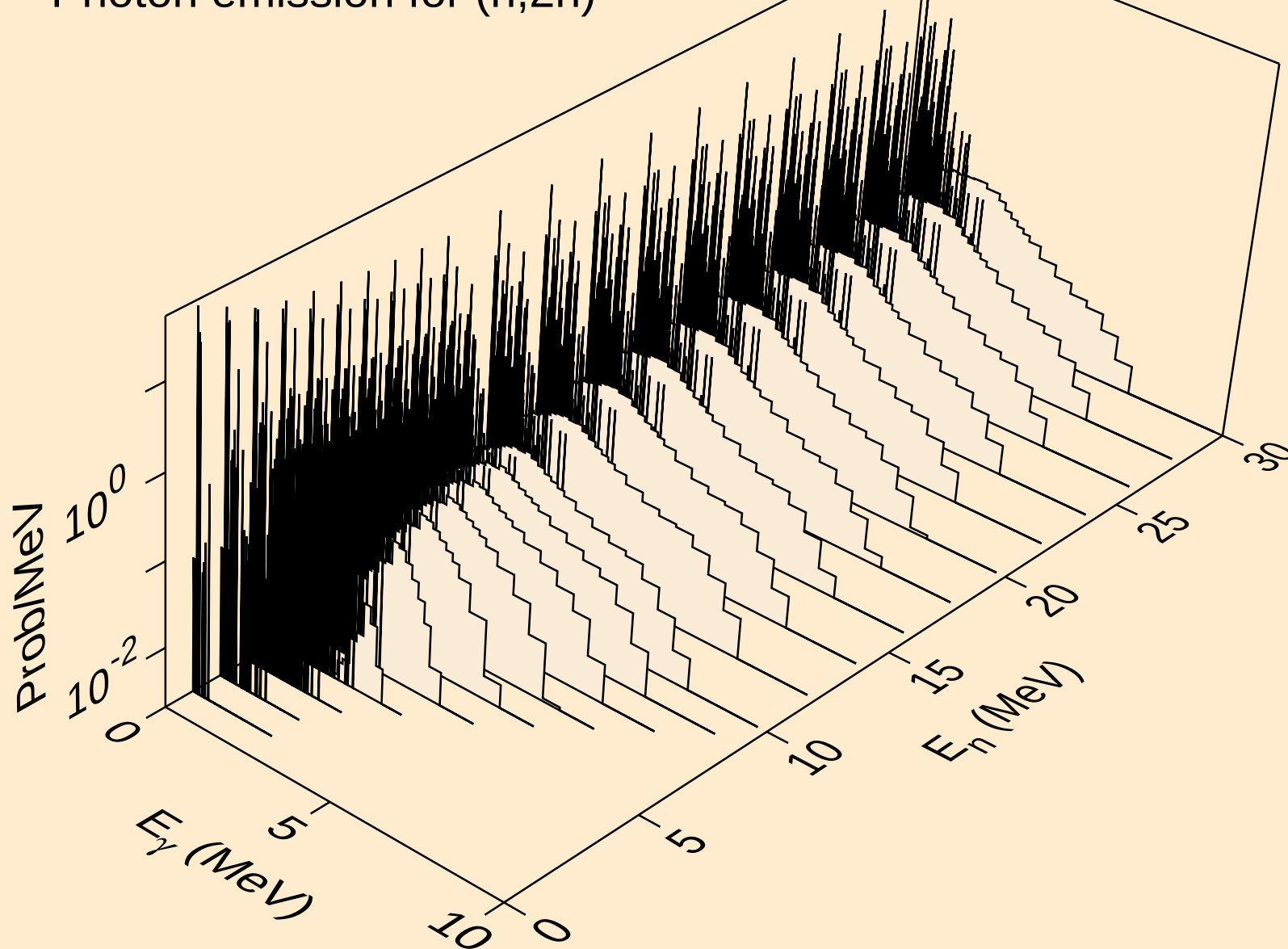
Photon emission for (z,x)



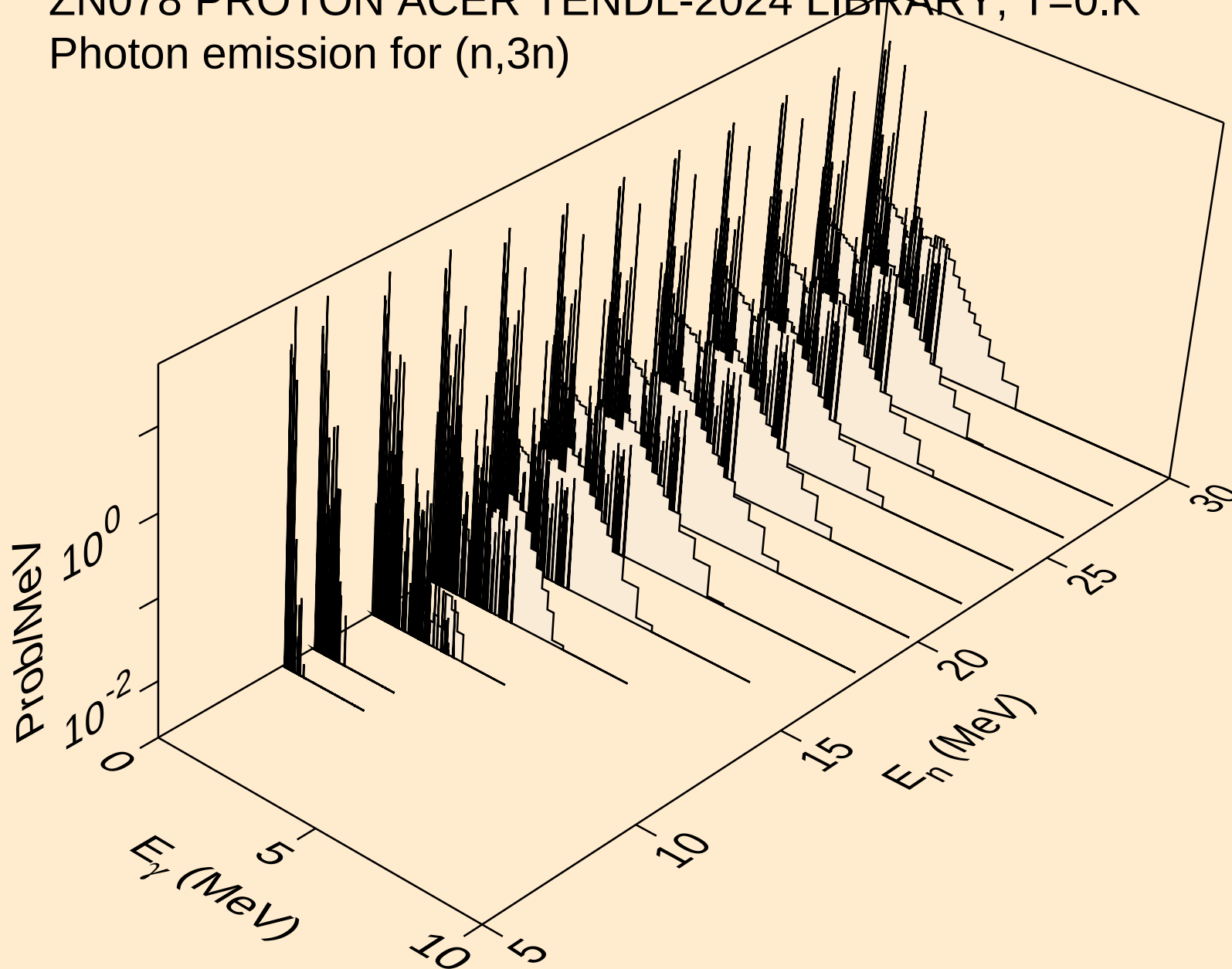
ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



ZN078 PROTON ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (n,2n)

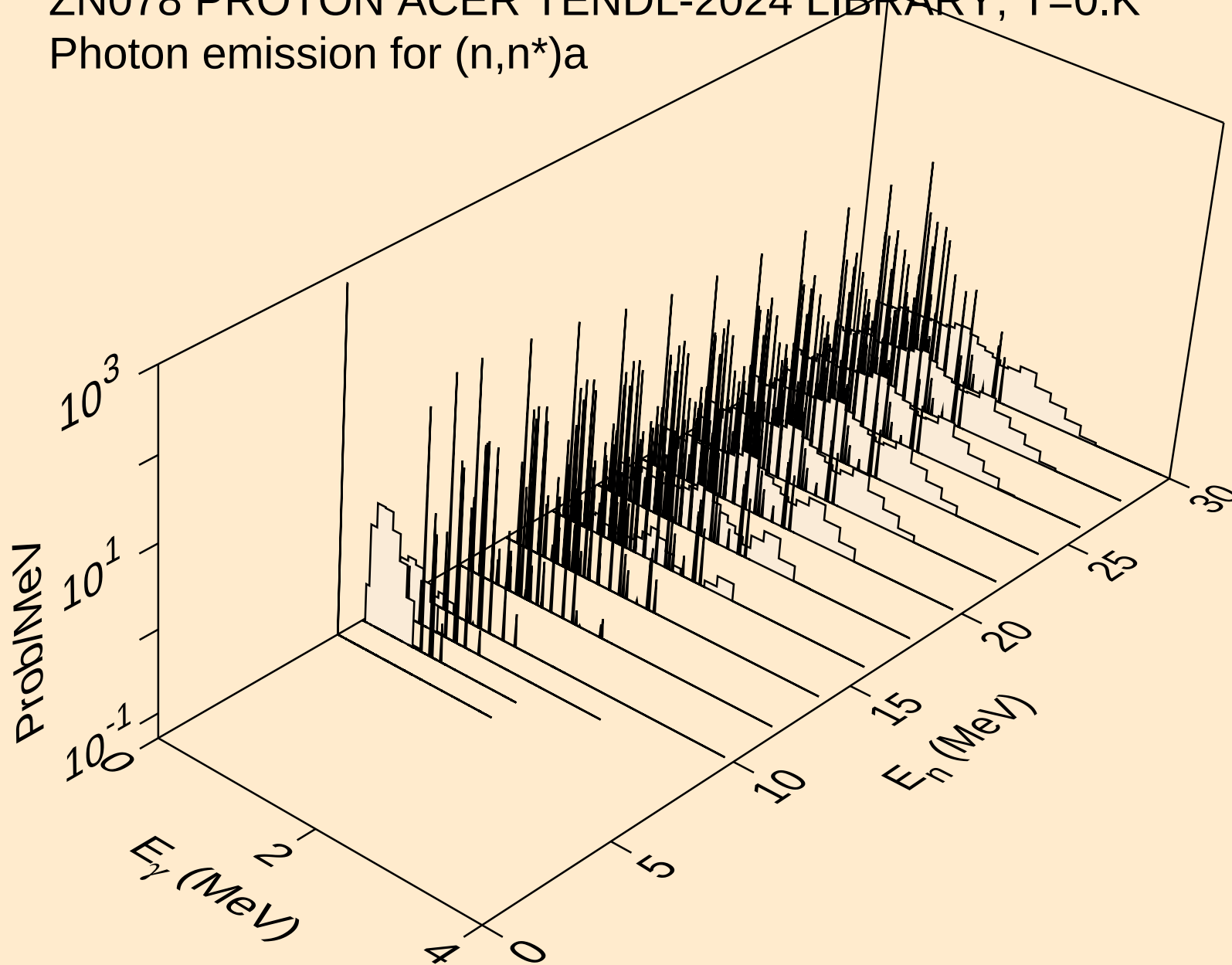


ZN078 PROTON ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (n,3n)



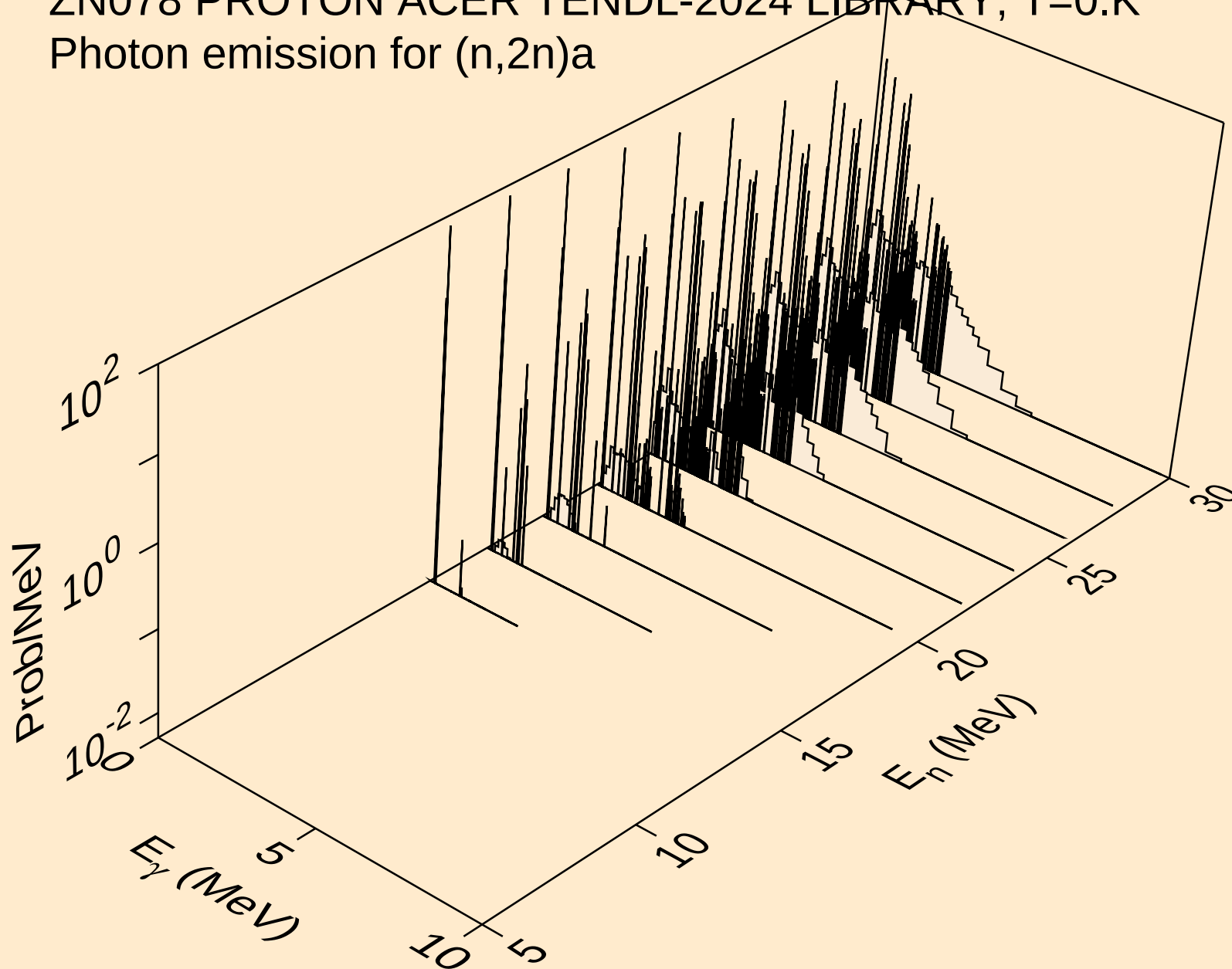
ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)a



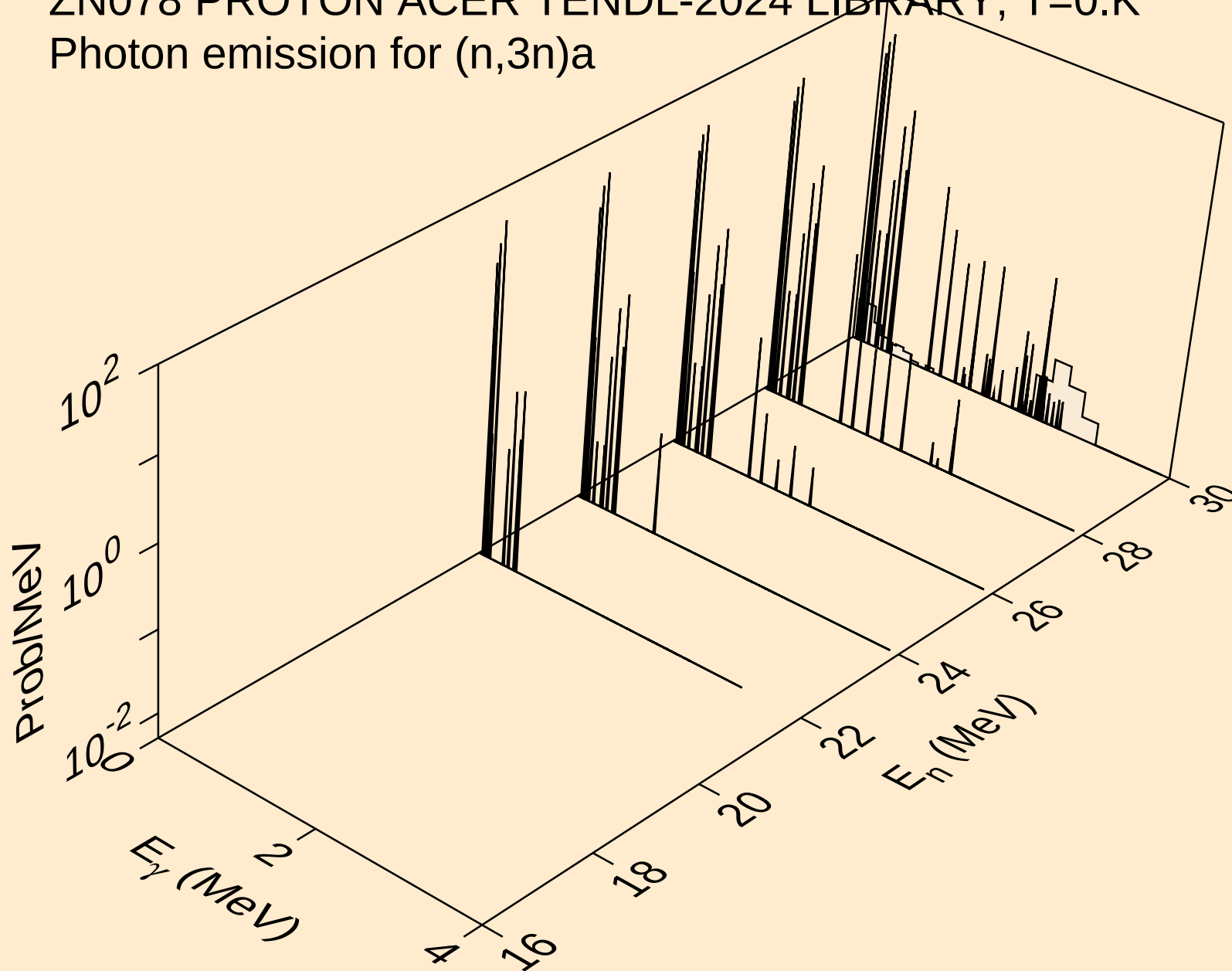
ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K

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



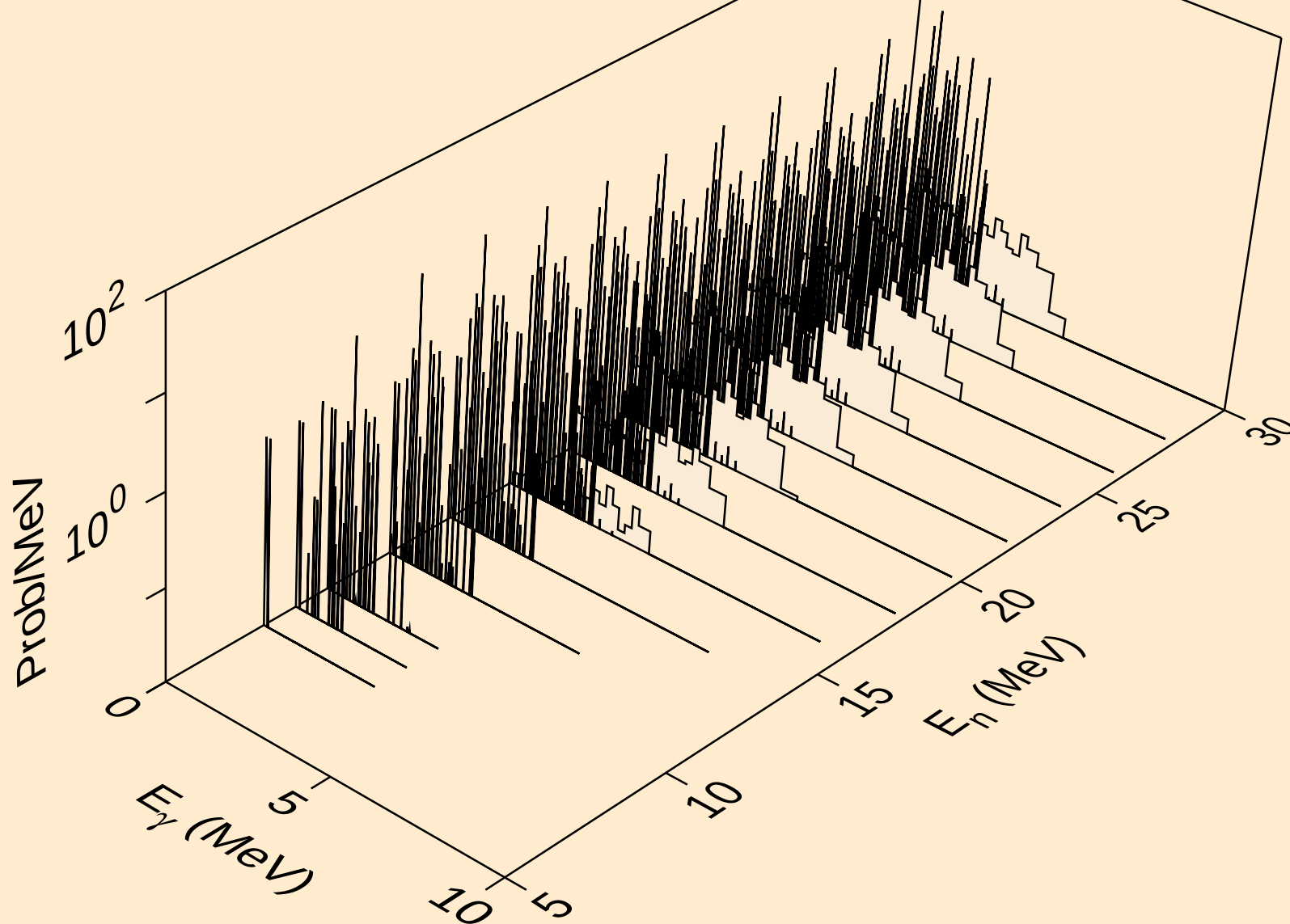
ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K

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



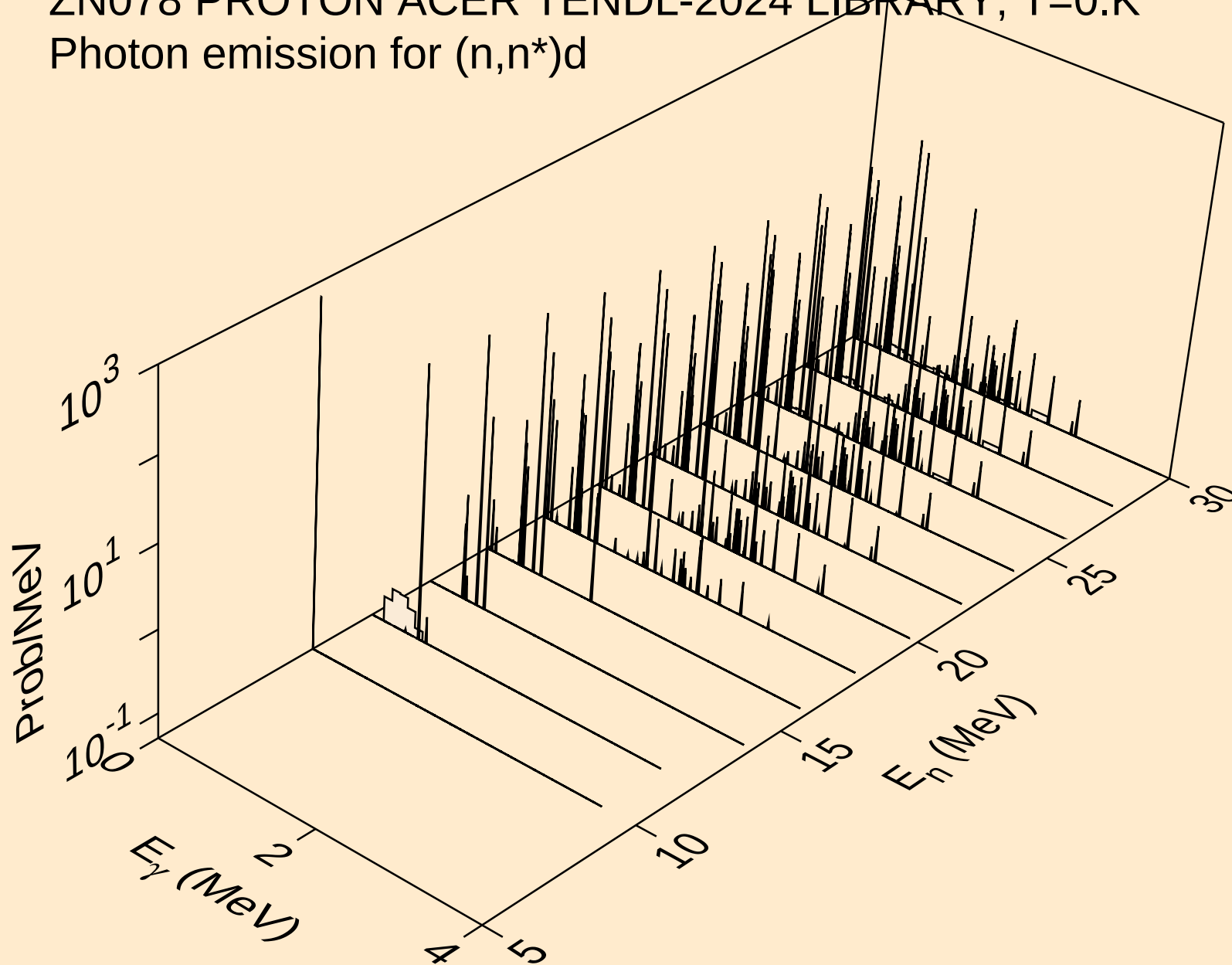
ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)p



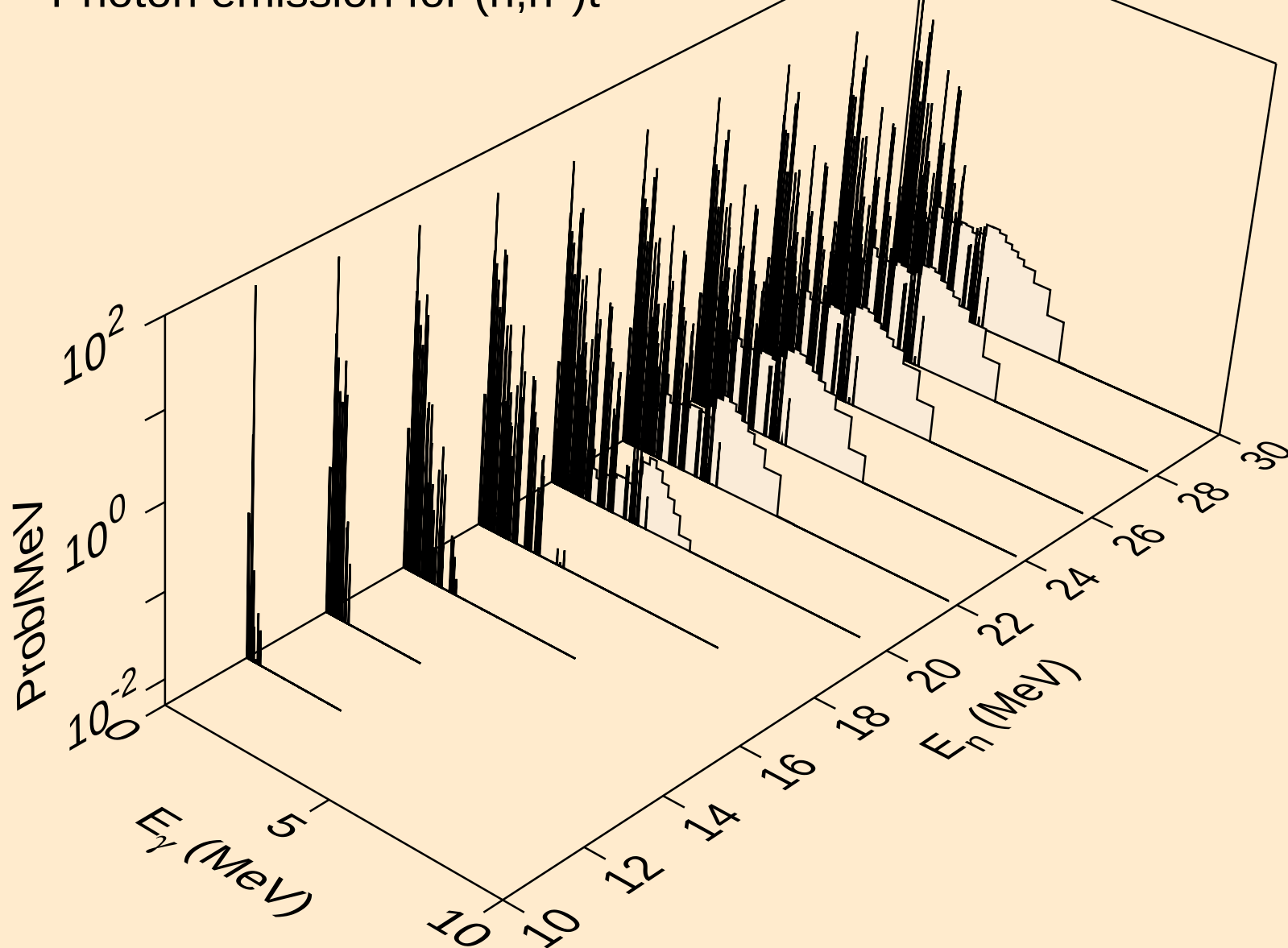
ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)d



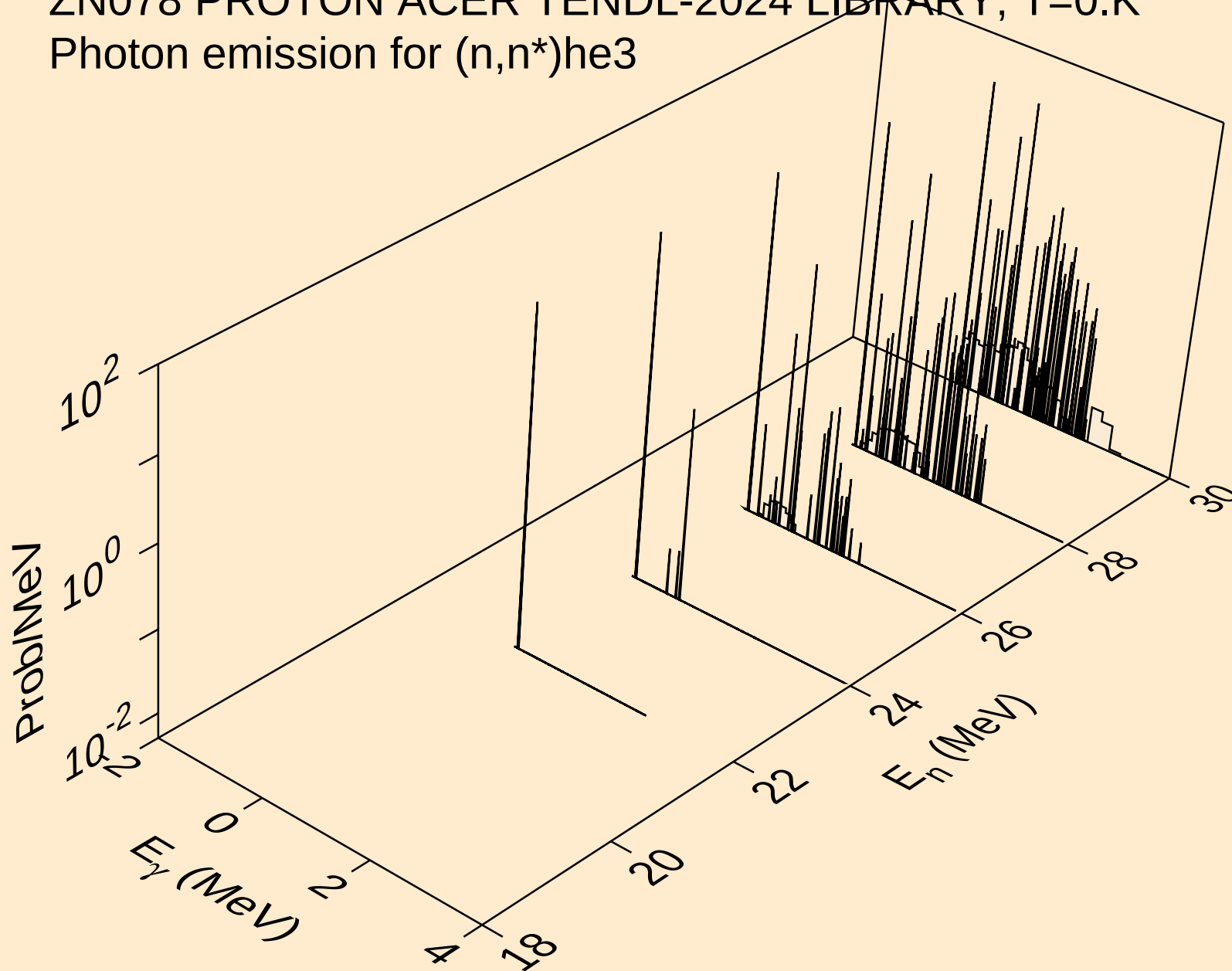
ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)t

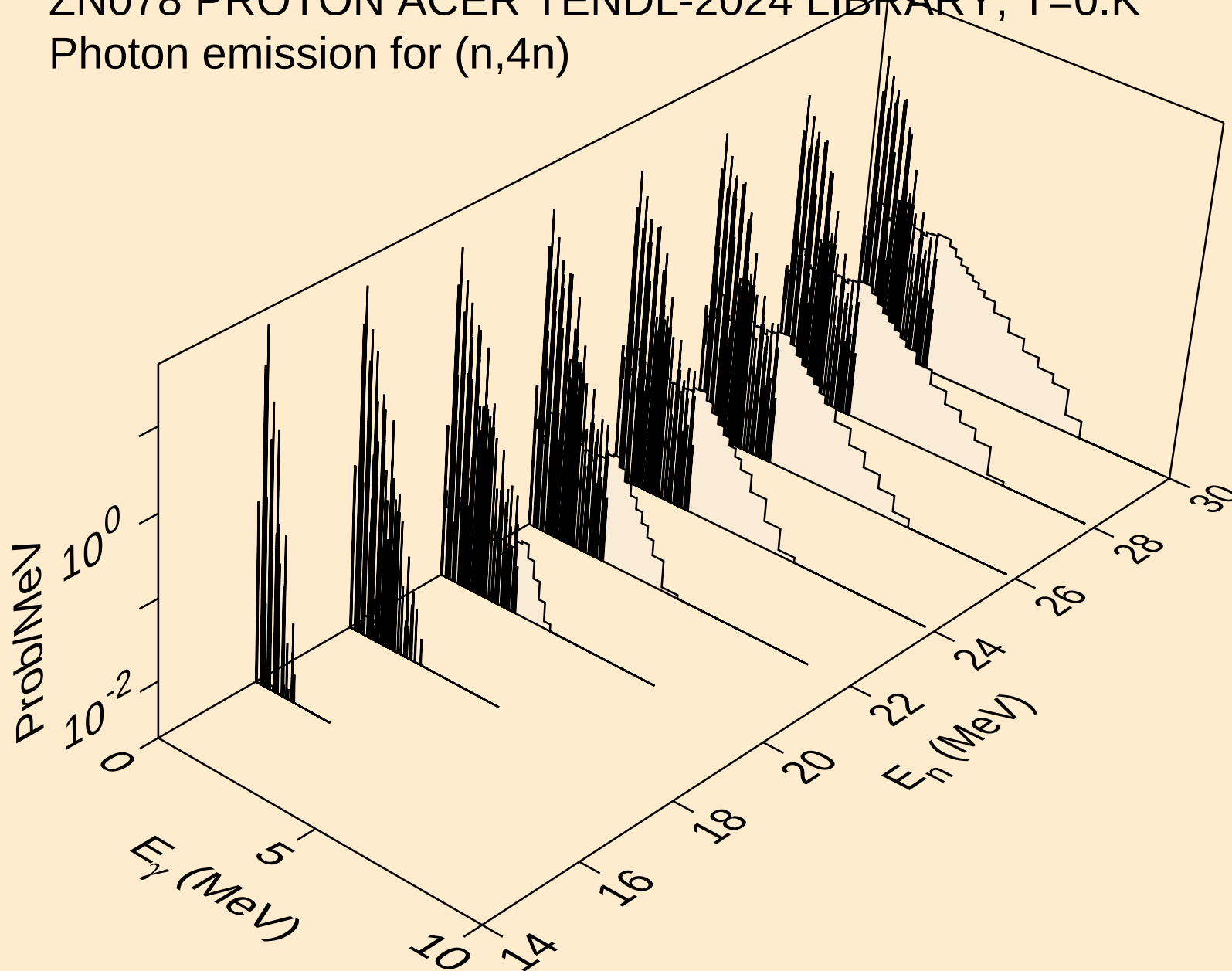


ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K

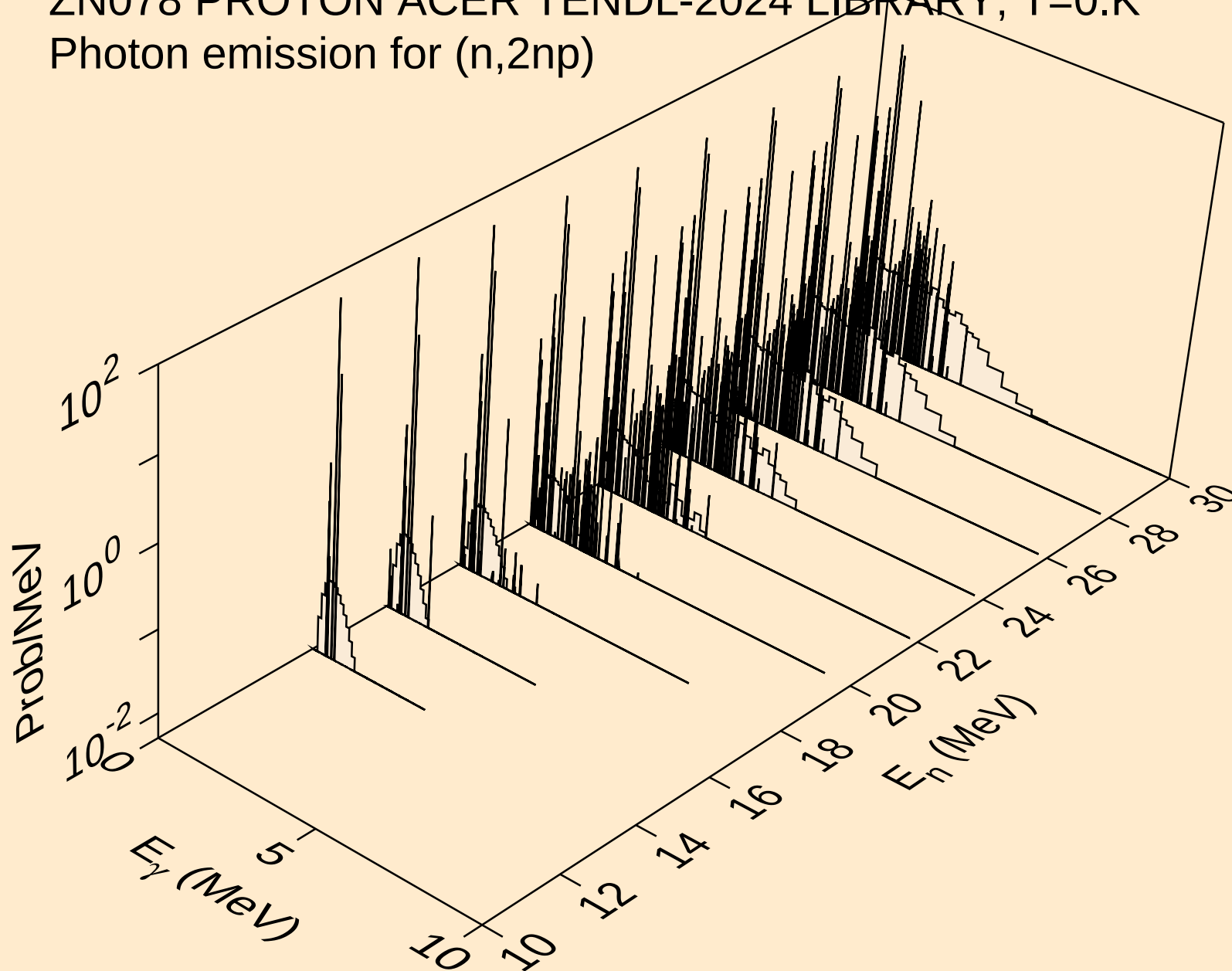
Photon emission for (n,n\*)he3



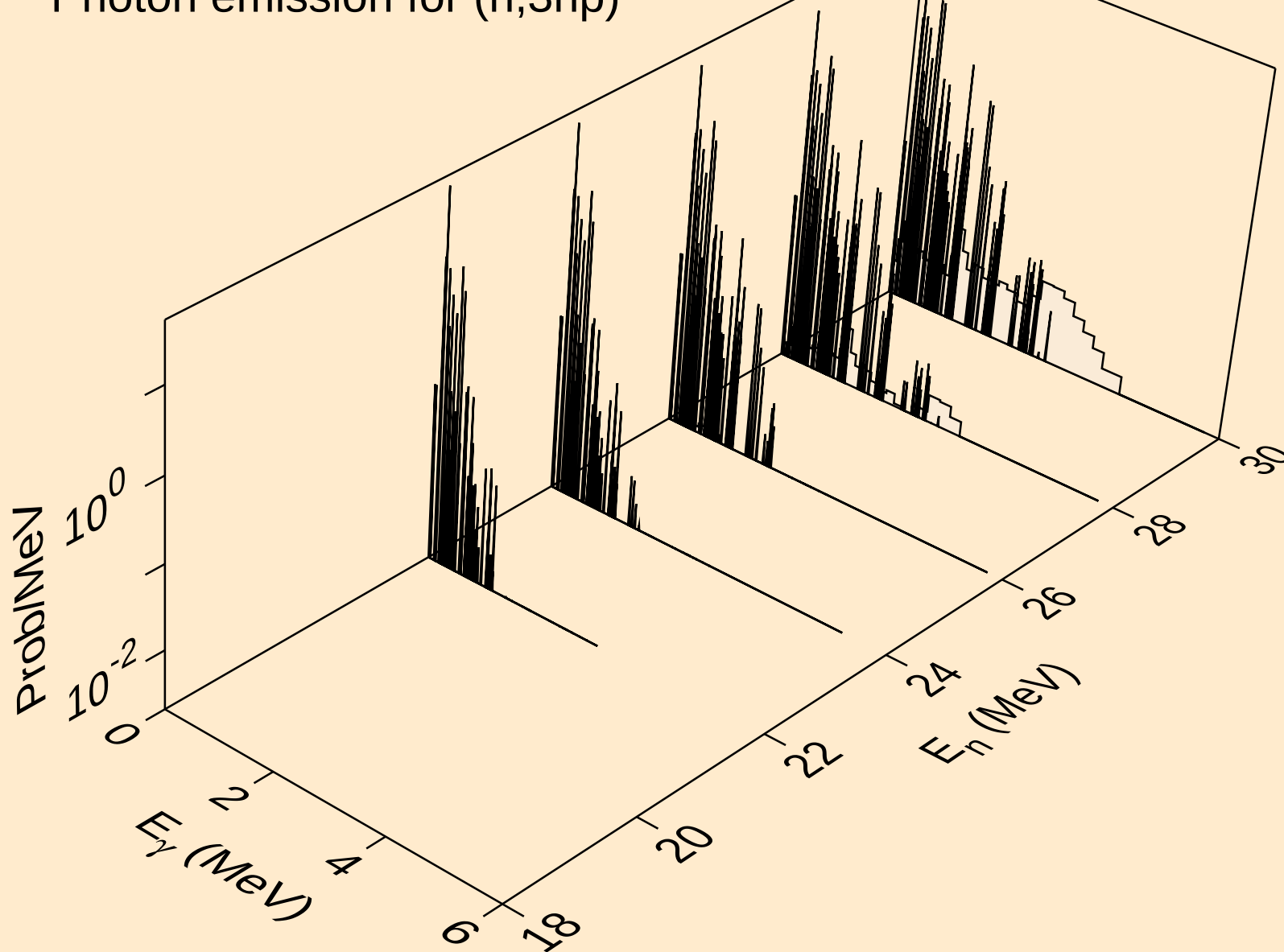
ZN078 PROTON ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (n,4n)



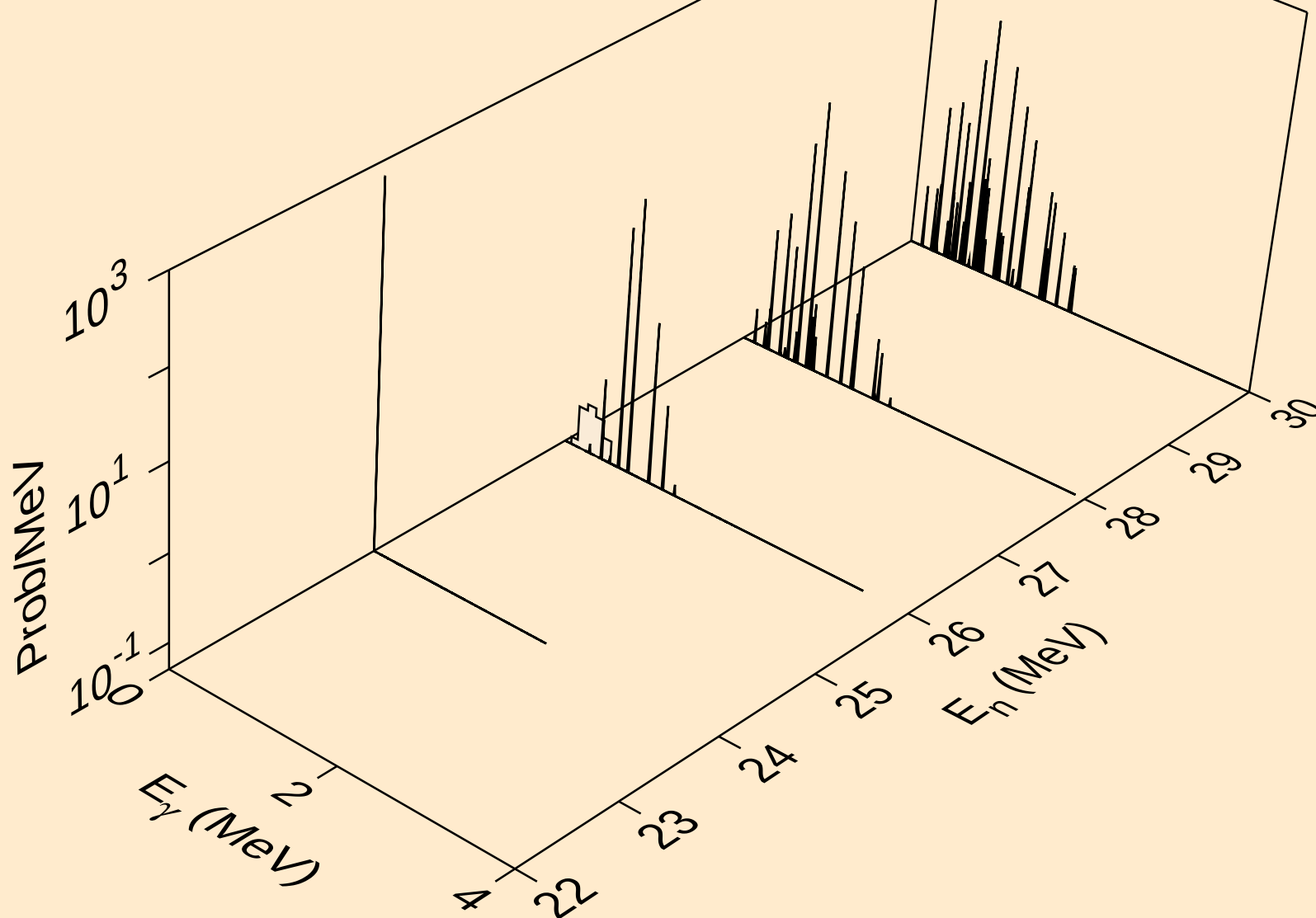
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Photon emission for (n,2np)



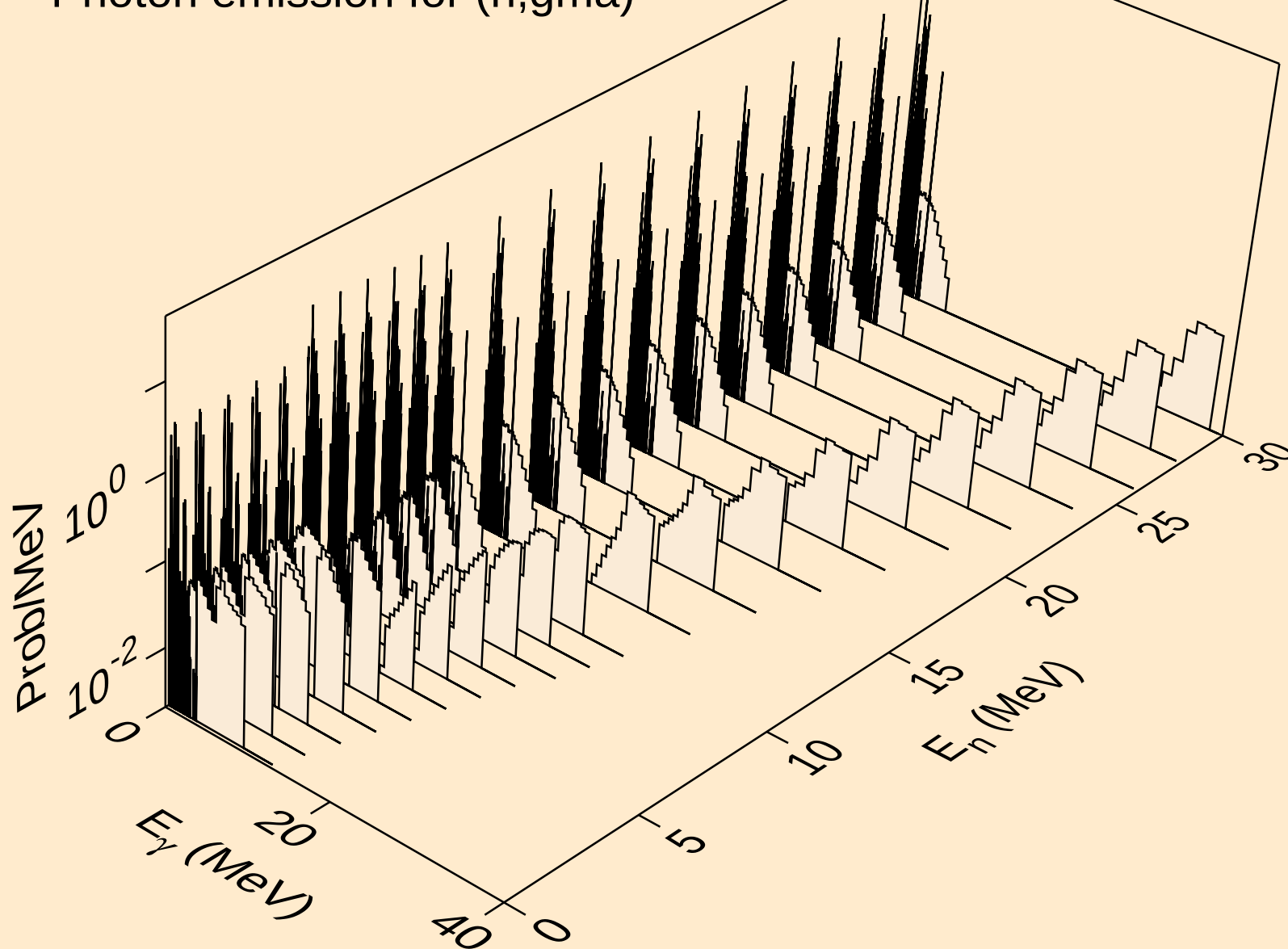
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Photon emission for (n,3np)



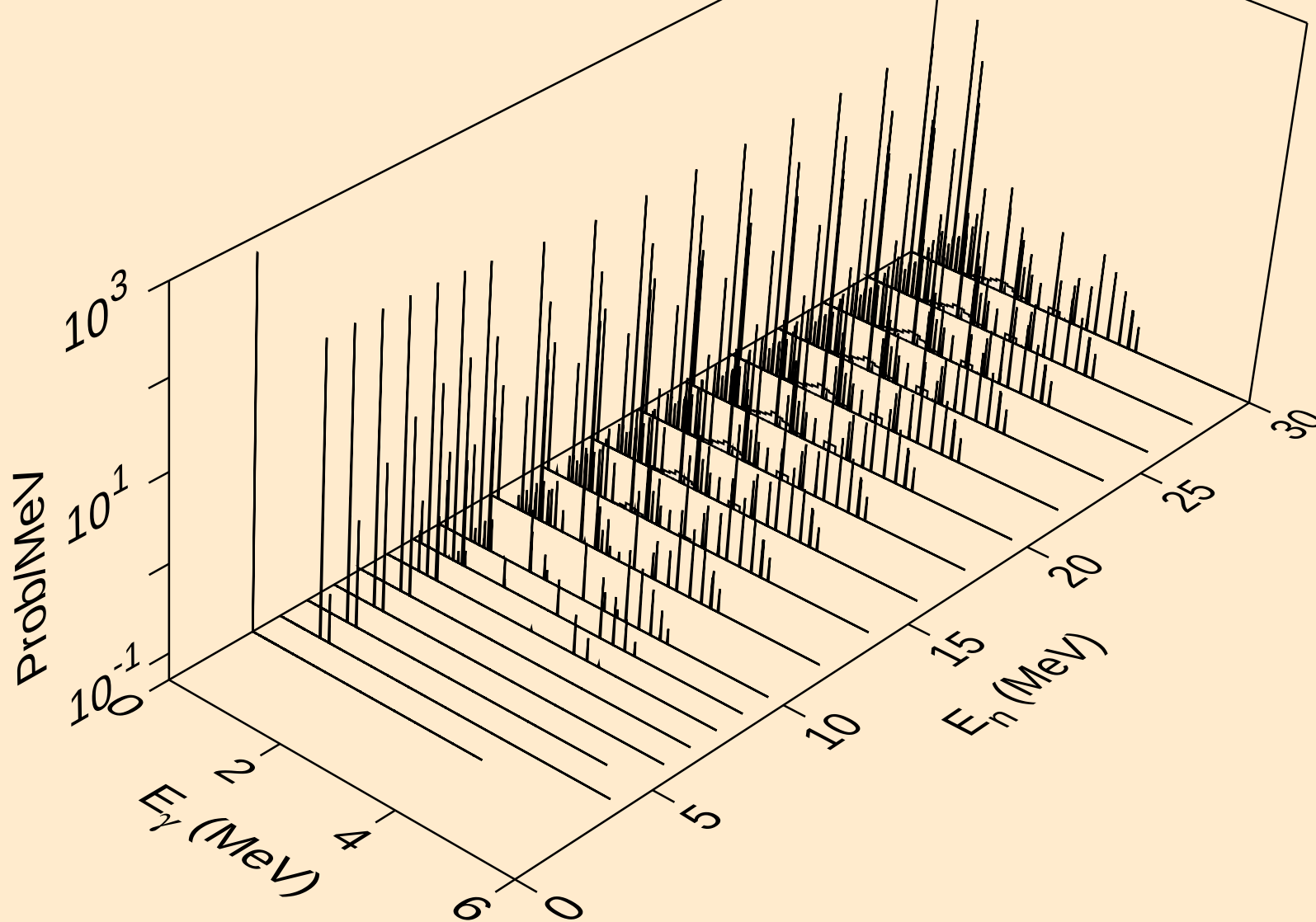
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Photon emission for (n,n2p)



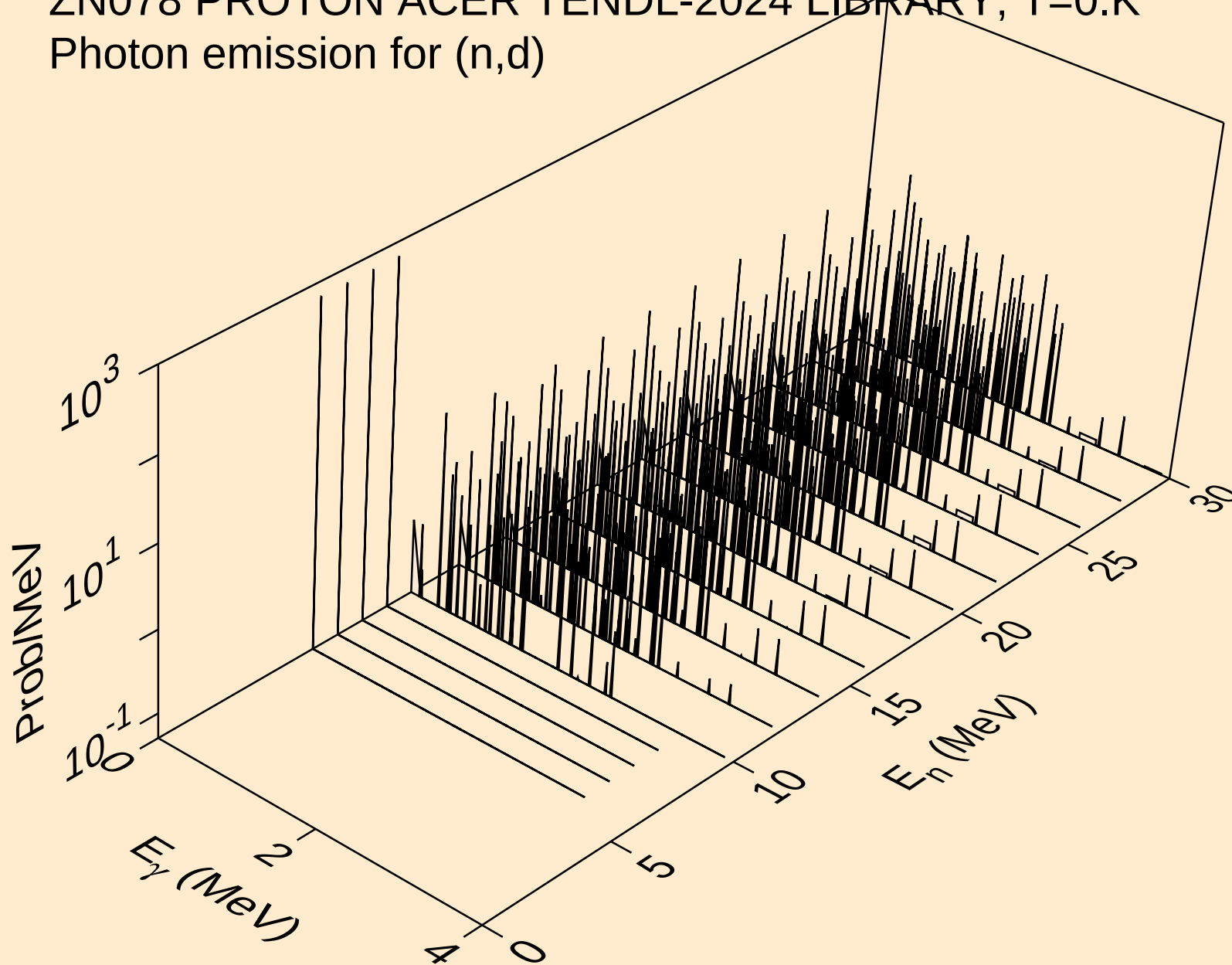
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Photon emission for (n,gma)



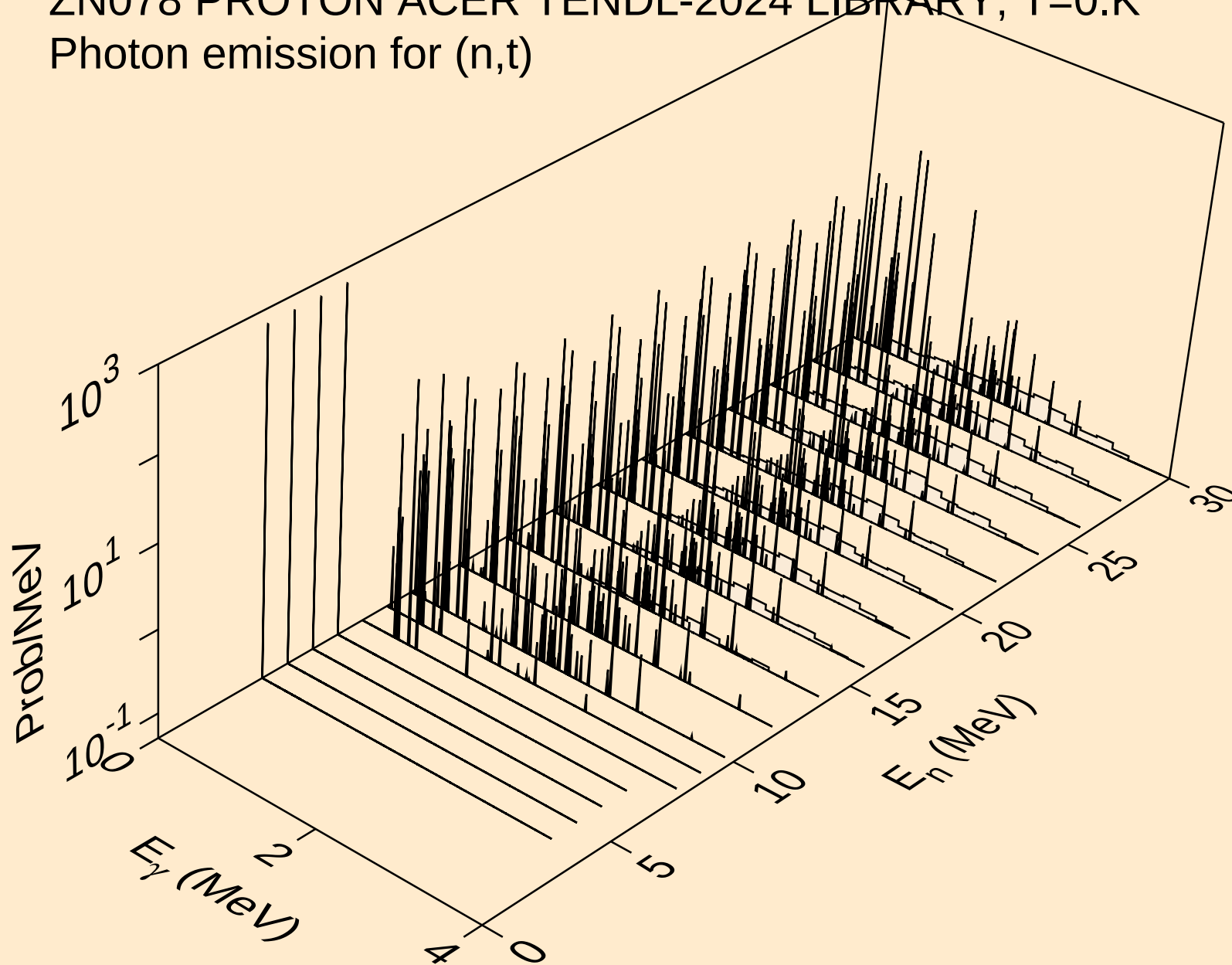
ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for inelastic



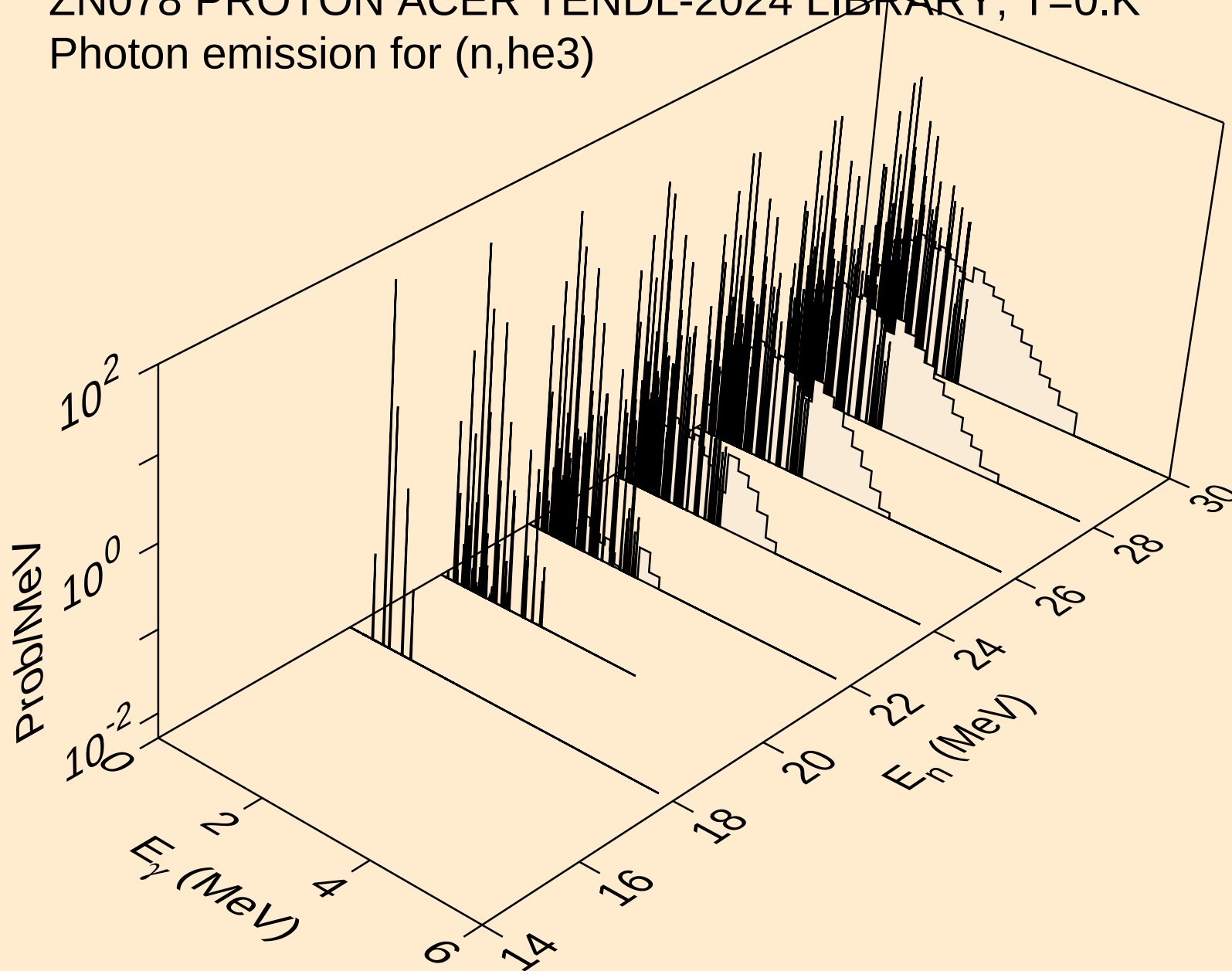
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Photon emission for (n,d)



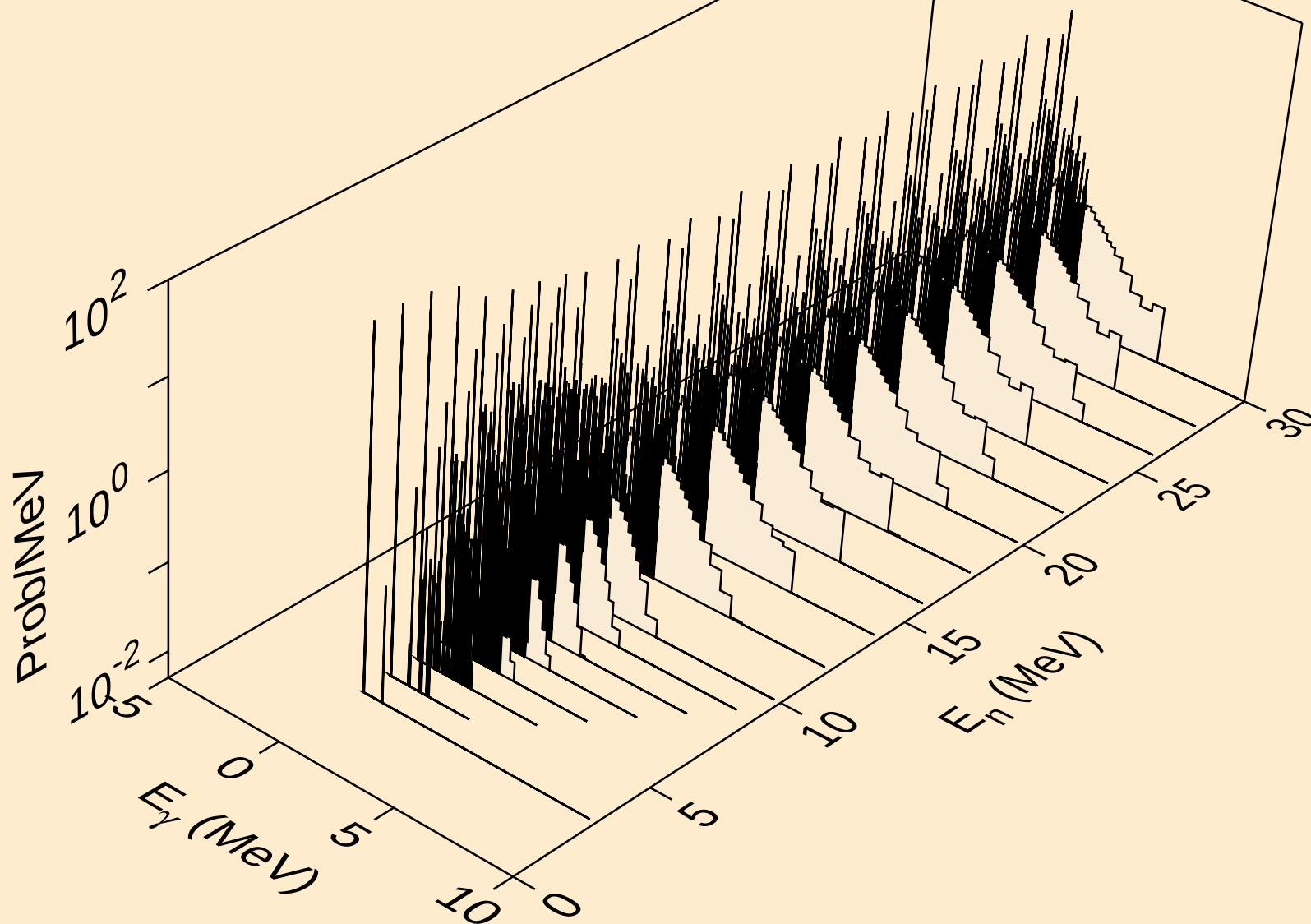
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Photon emission for (n,t)



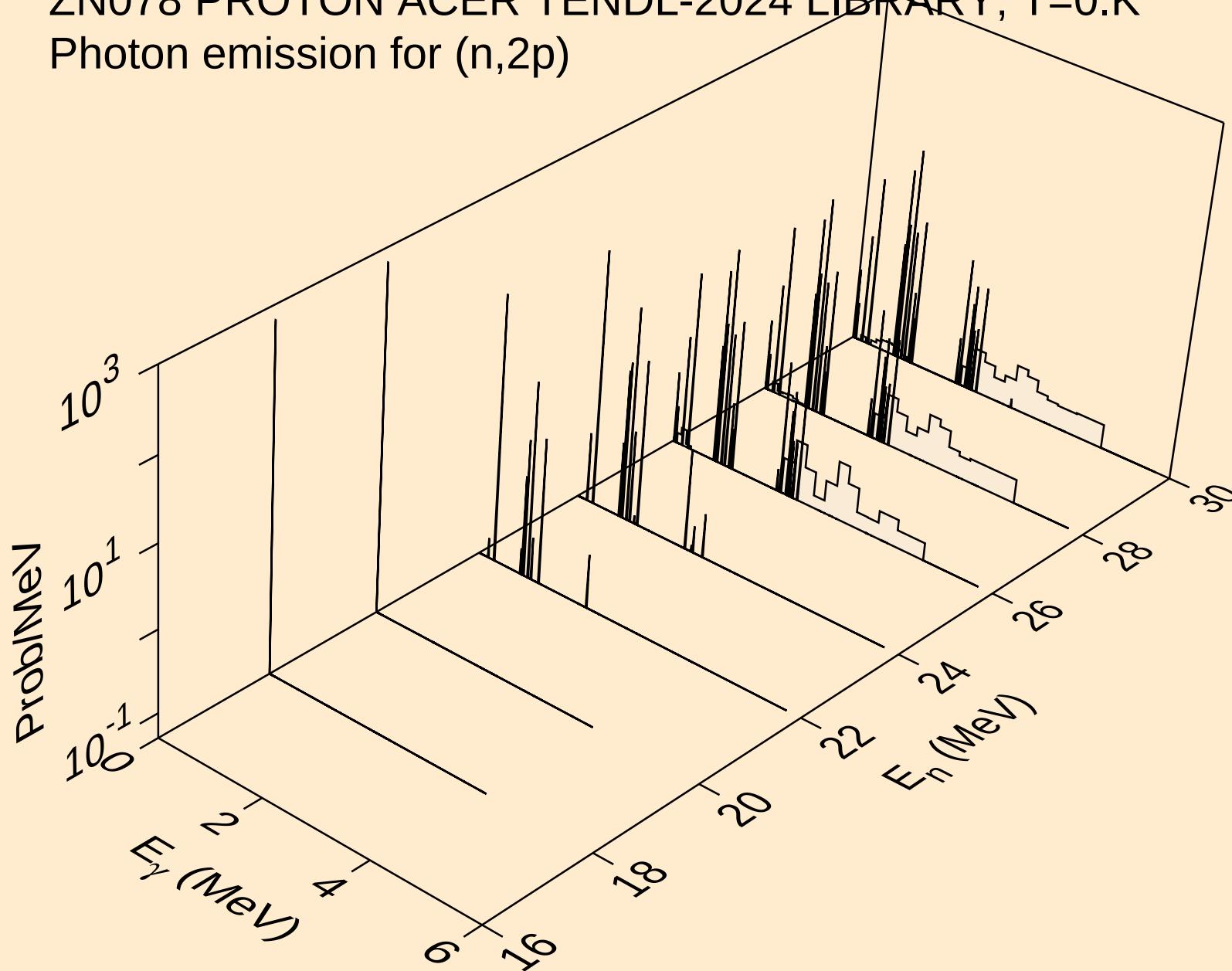
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Photon emission for (n,he3)



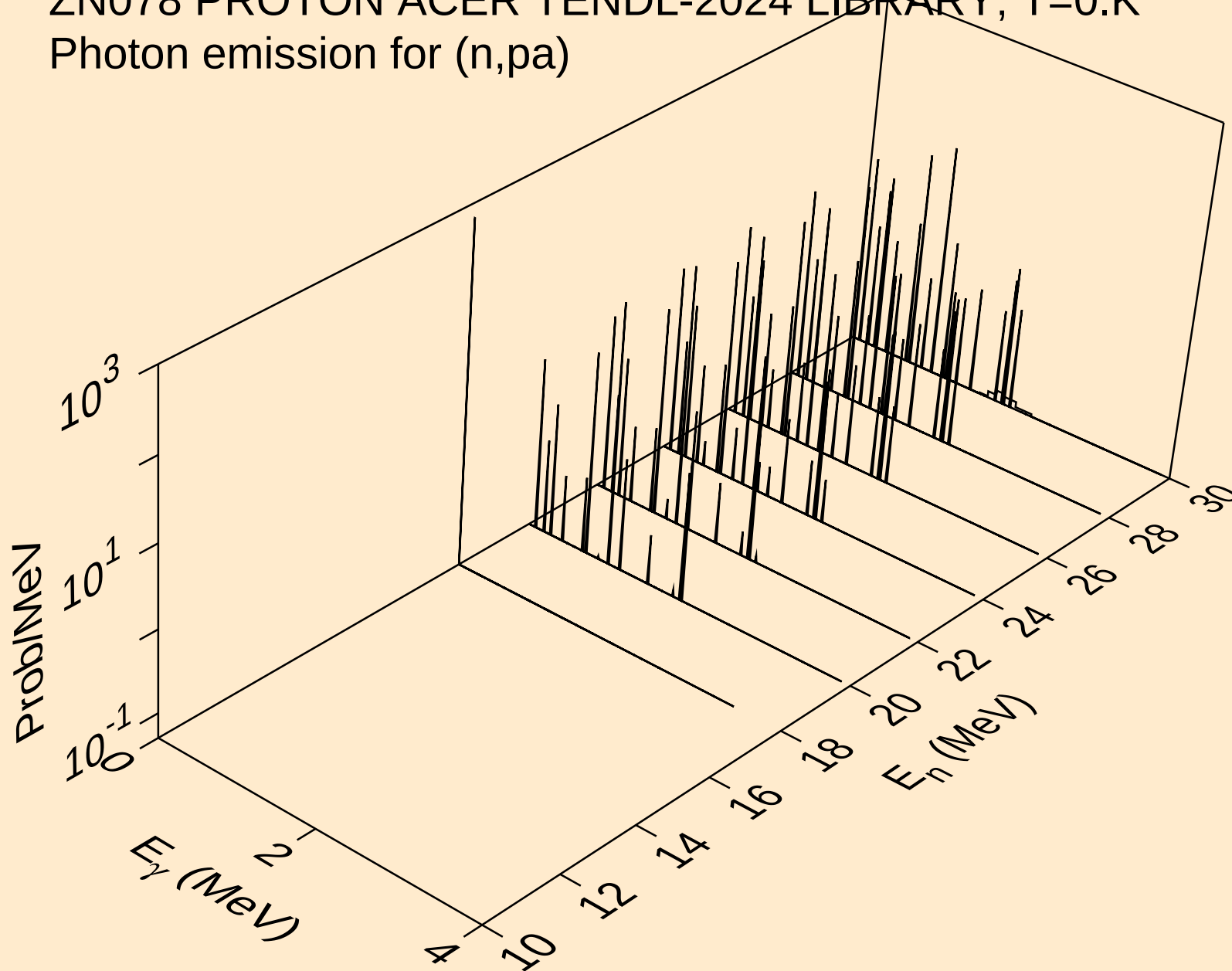
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Photon emission for (n,a)



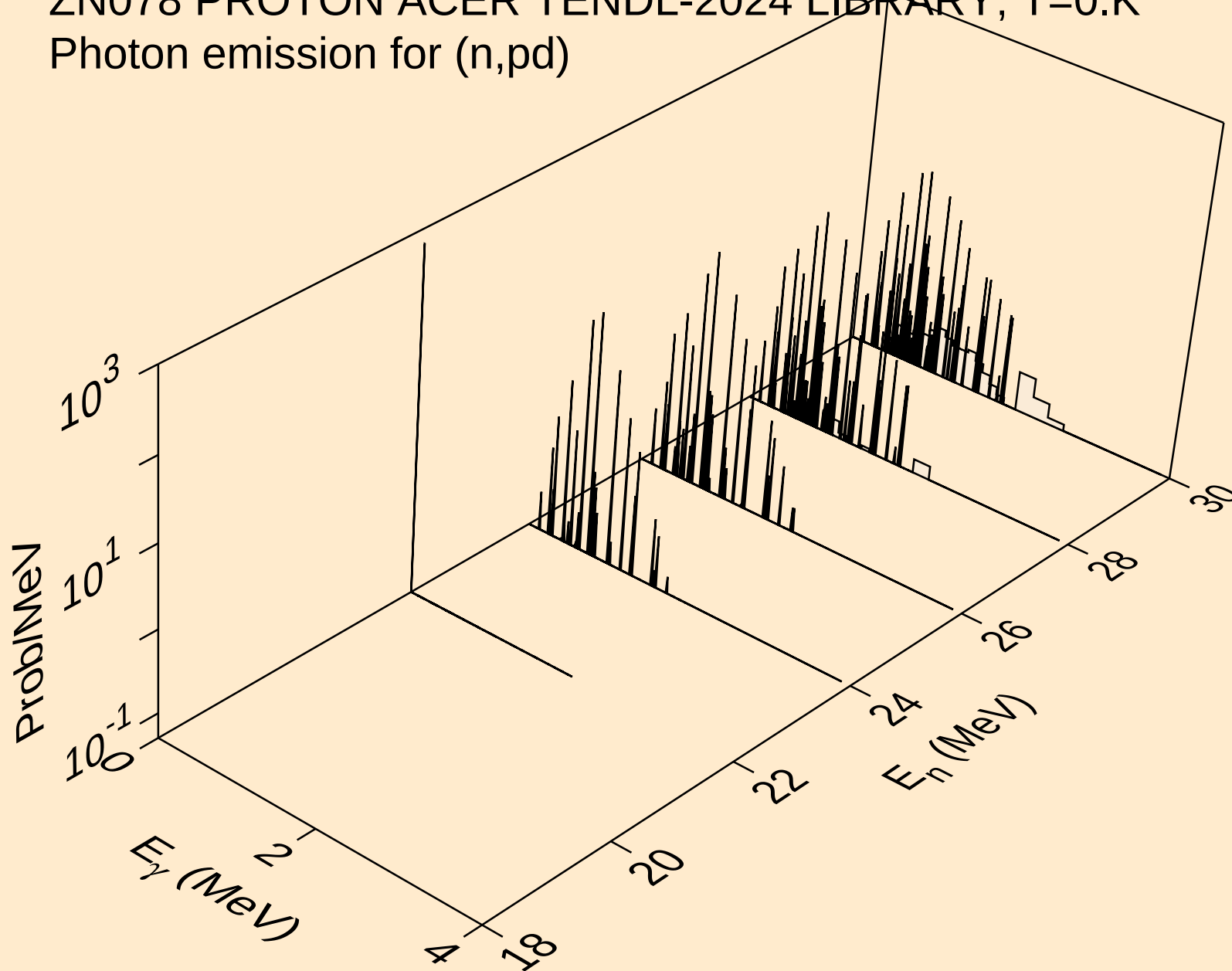
ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pa)

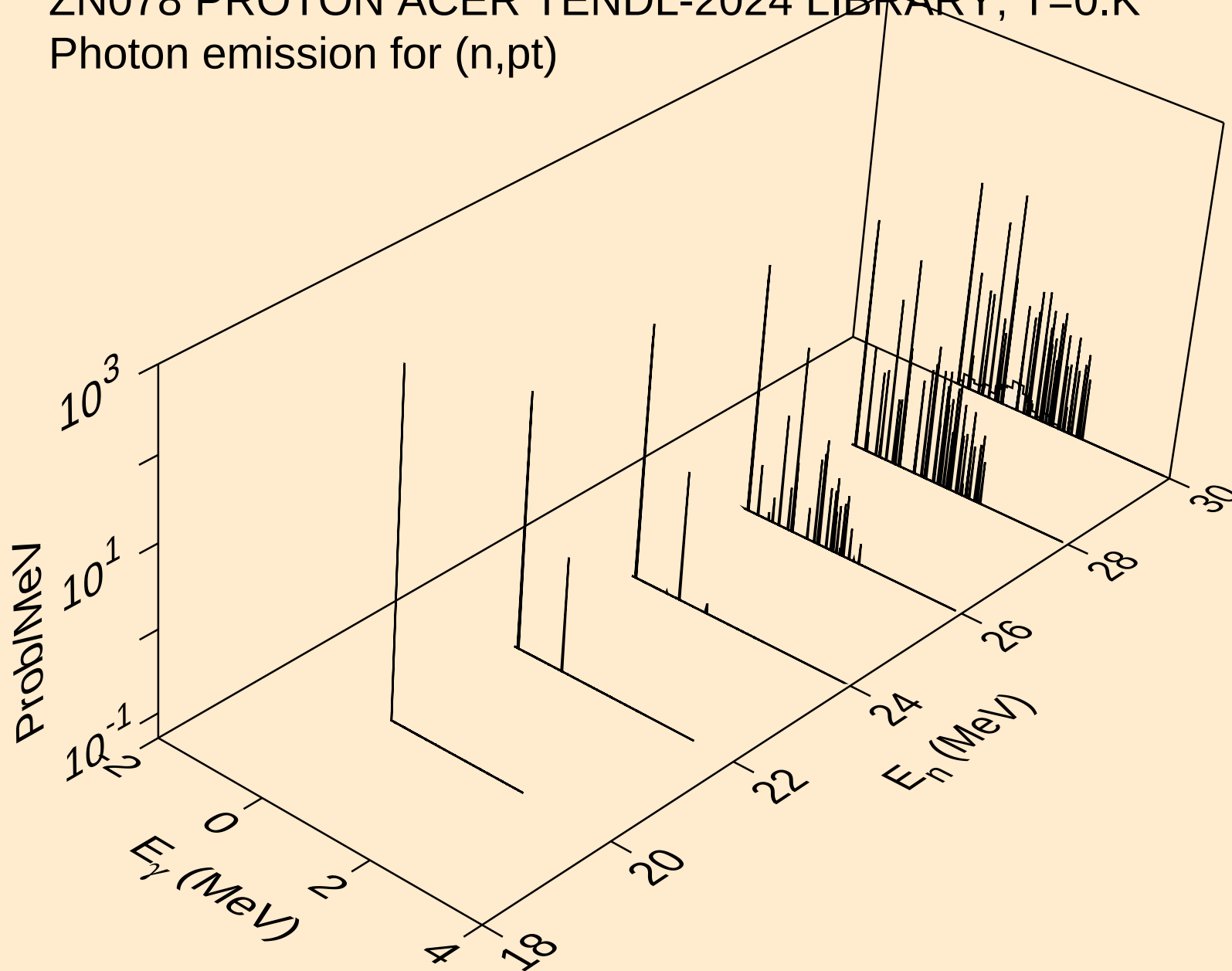


ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



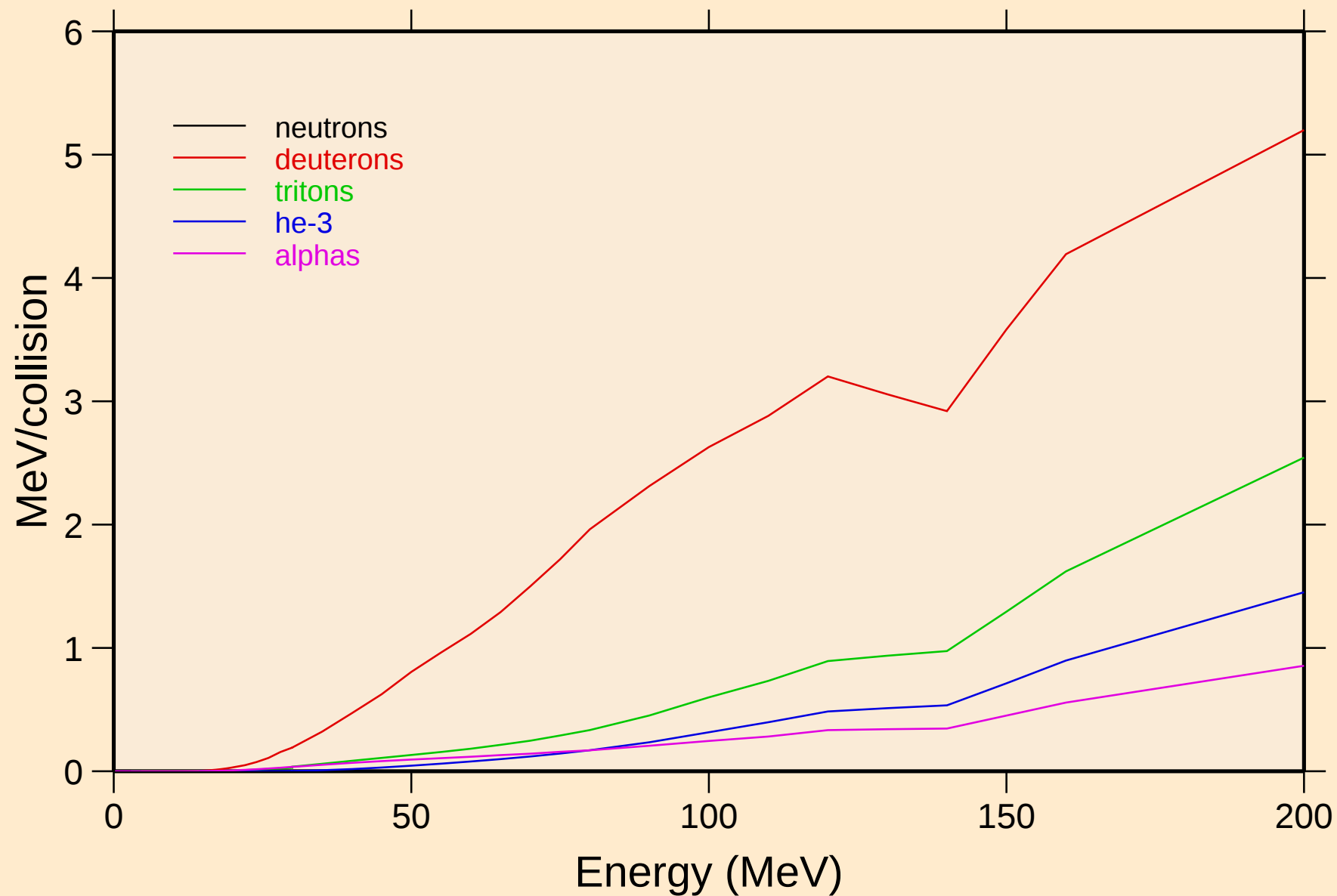
ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,pt)



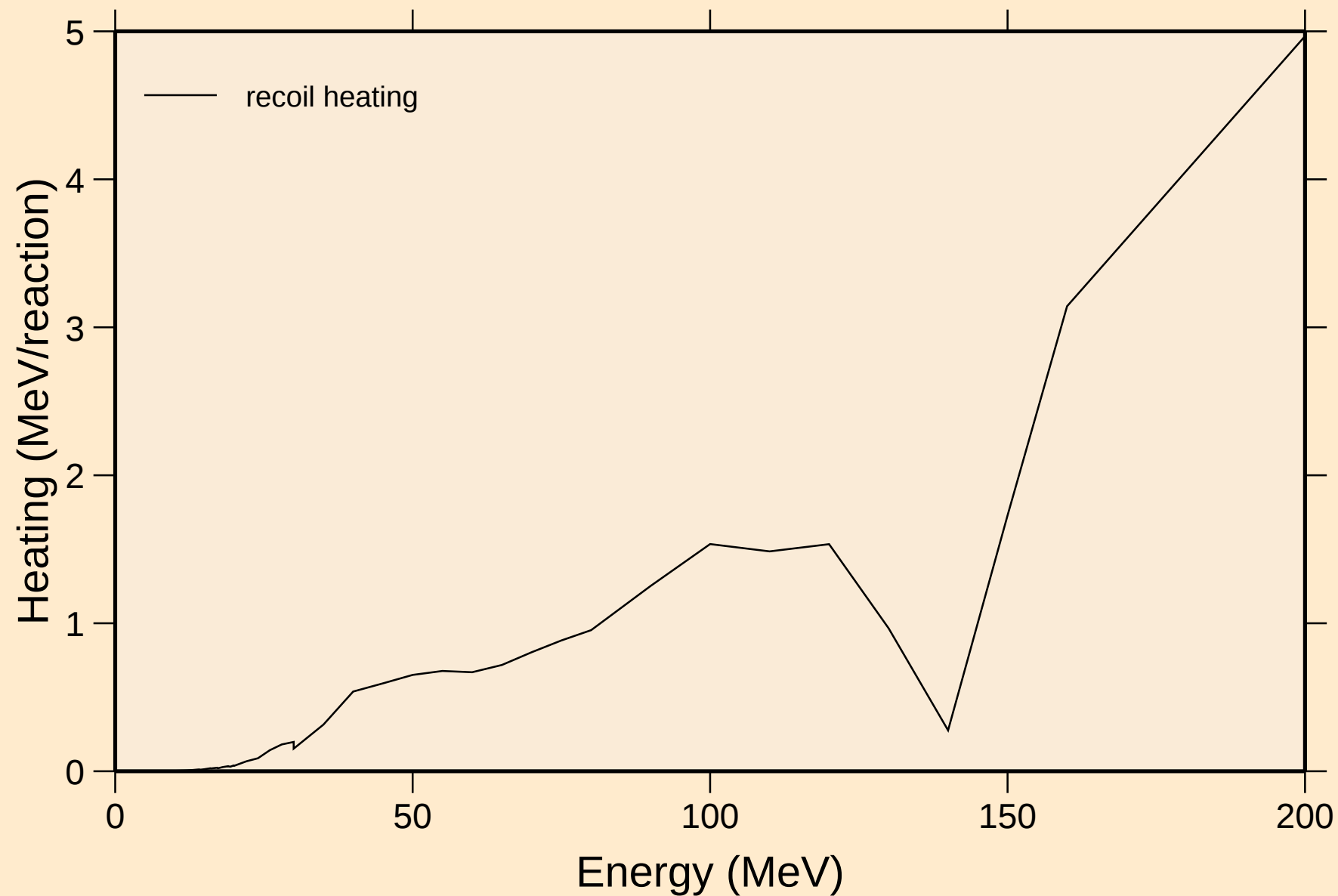
# ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions



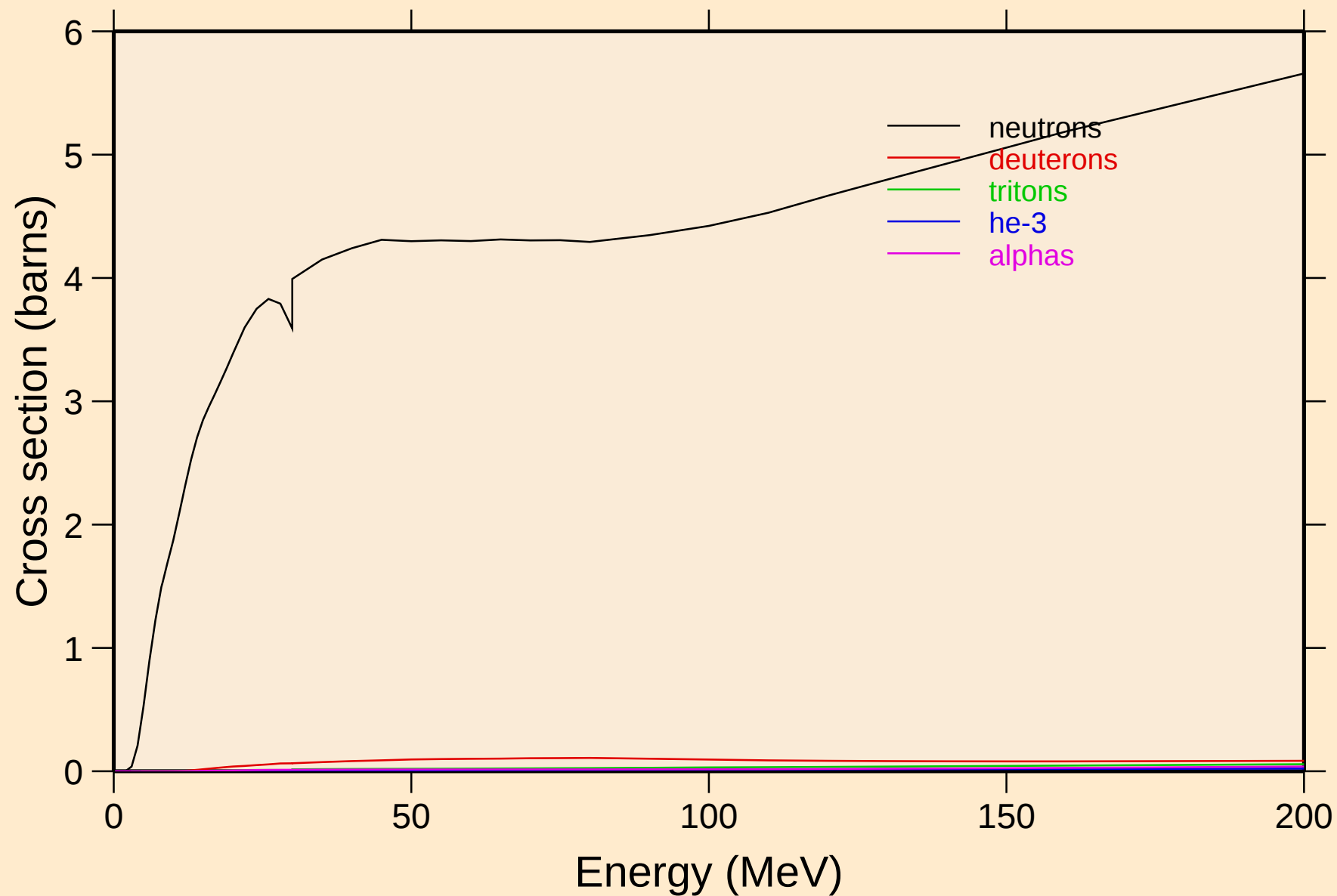
# ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Recoil Heating

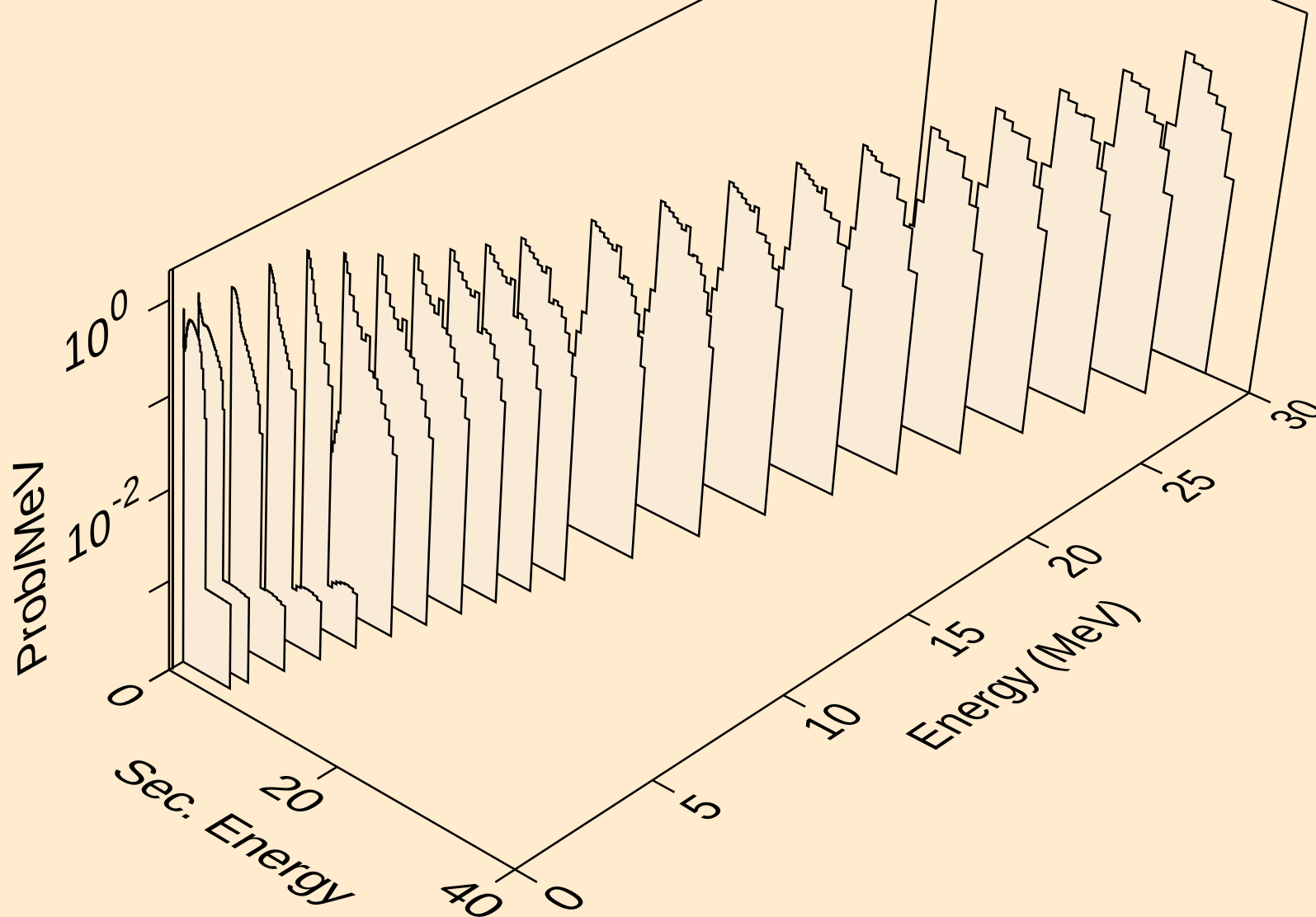


# ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K

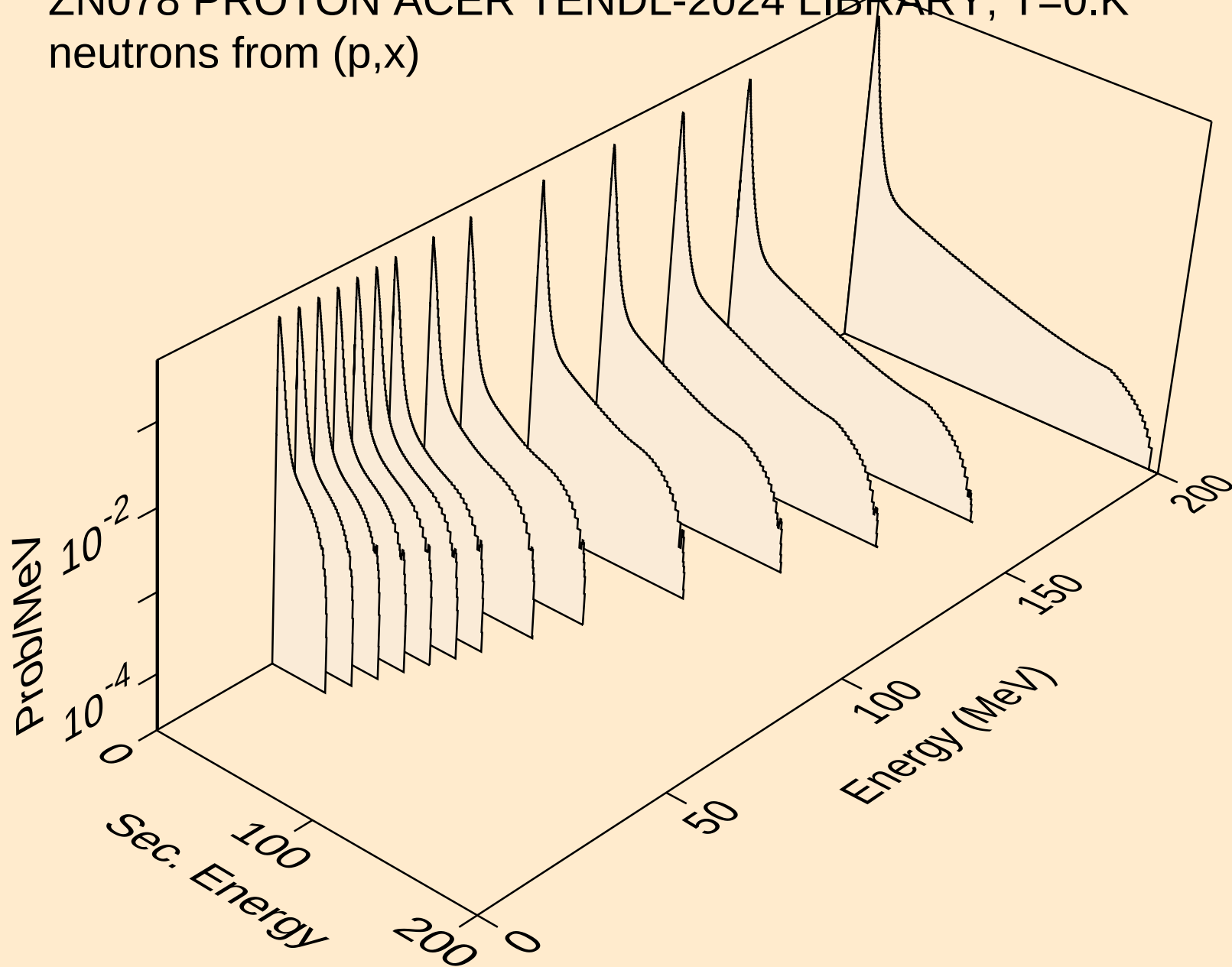
## Particle production cross sections



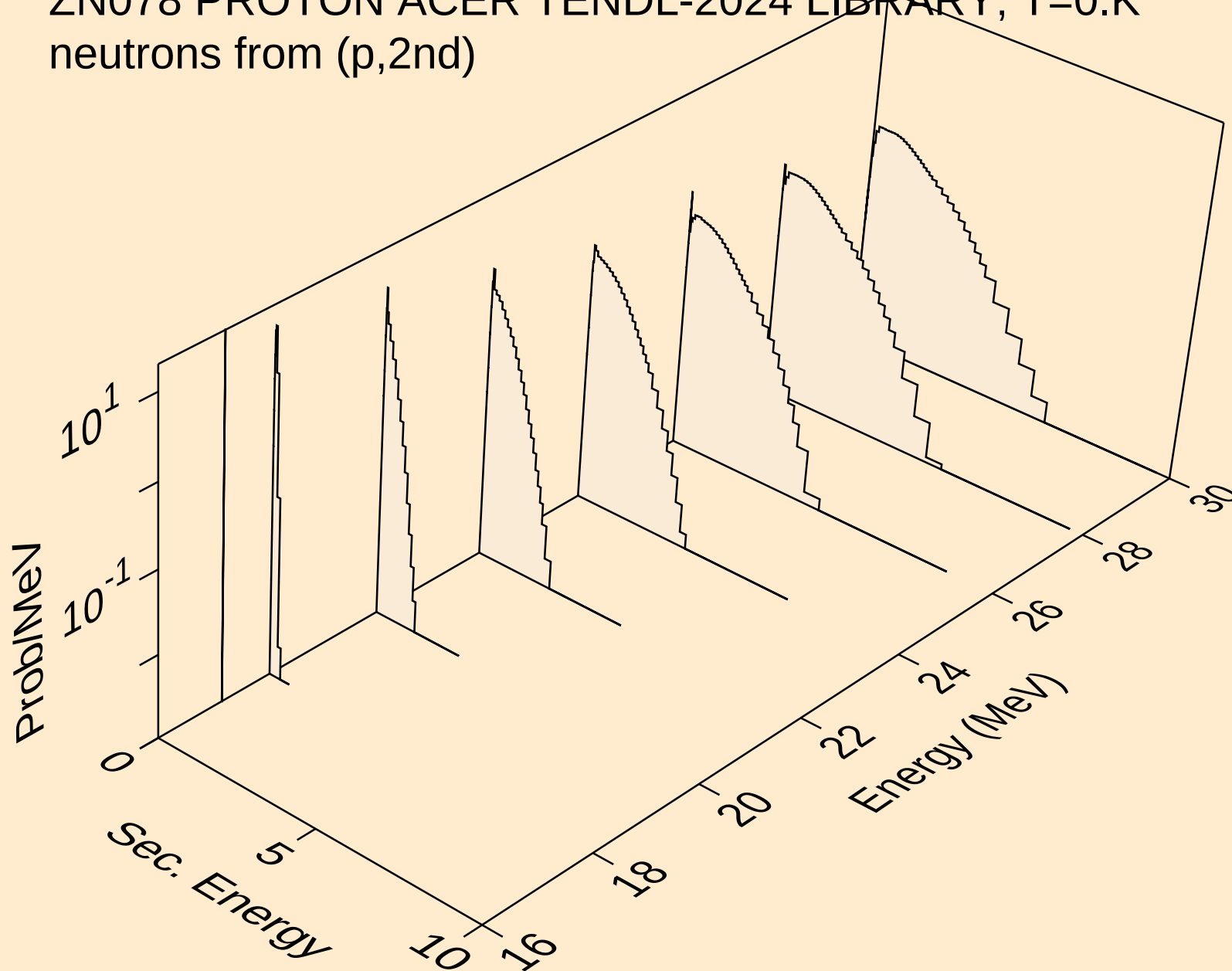
ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n)



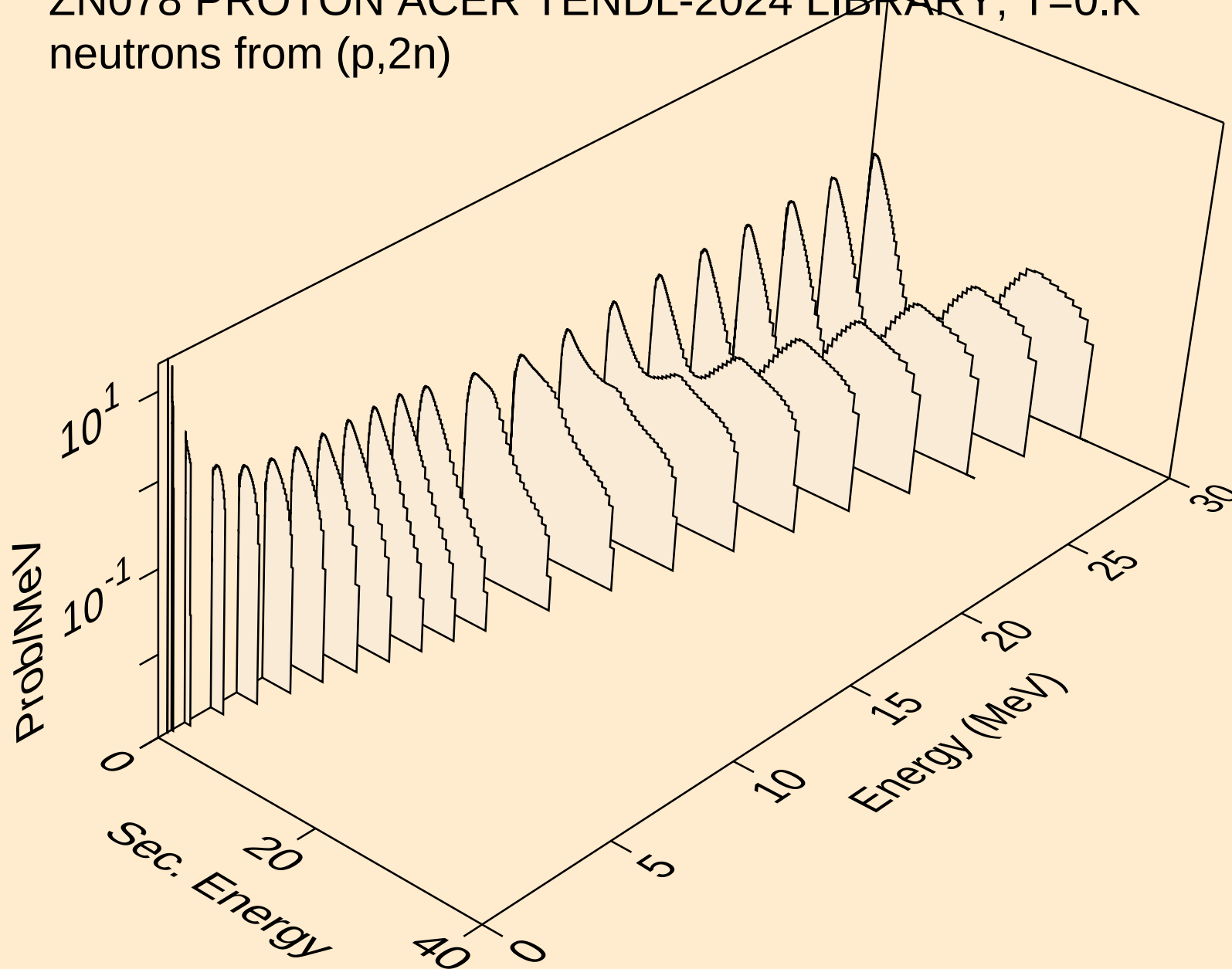
ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,x)



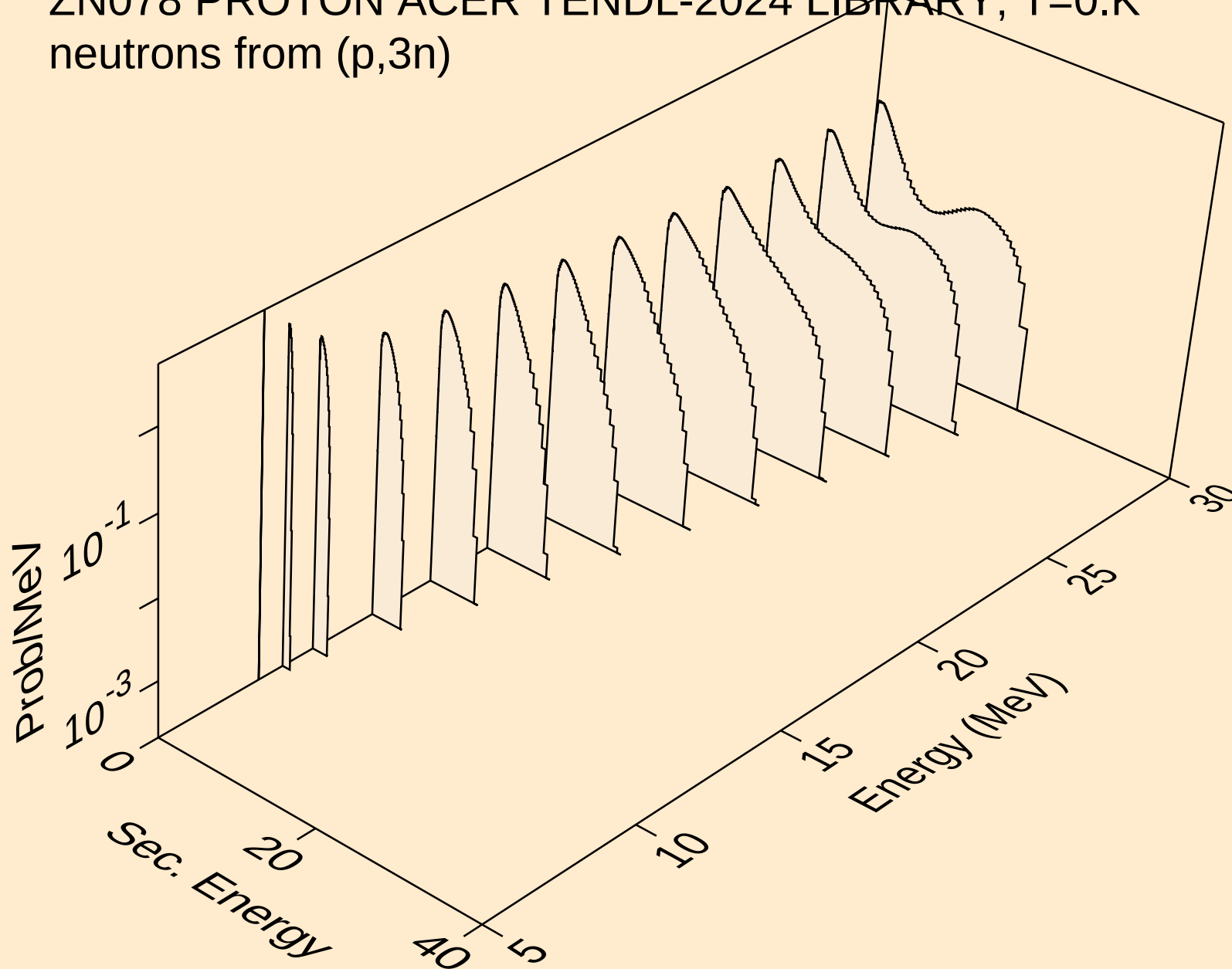
ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,2nd)



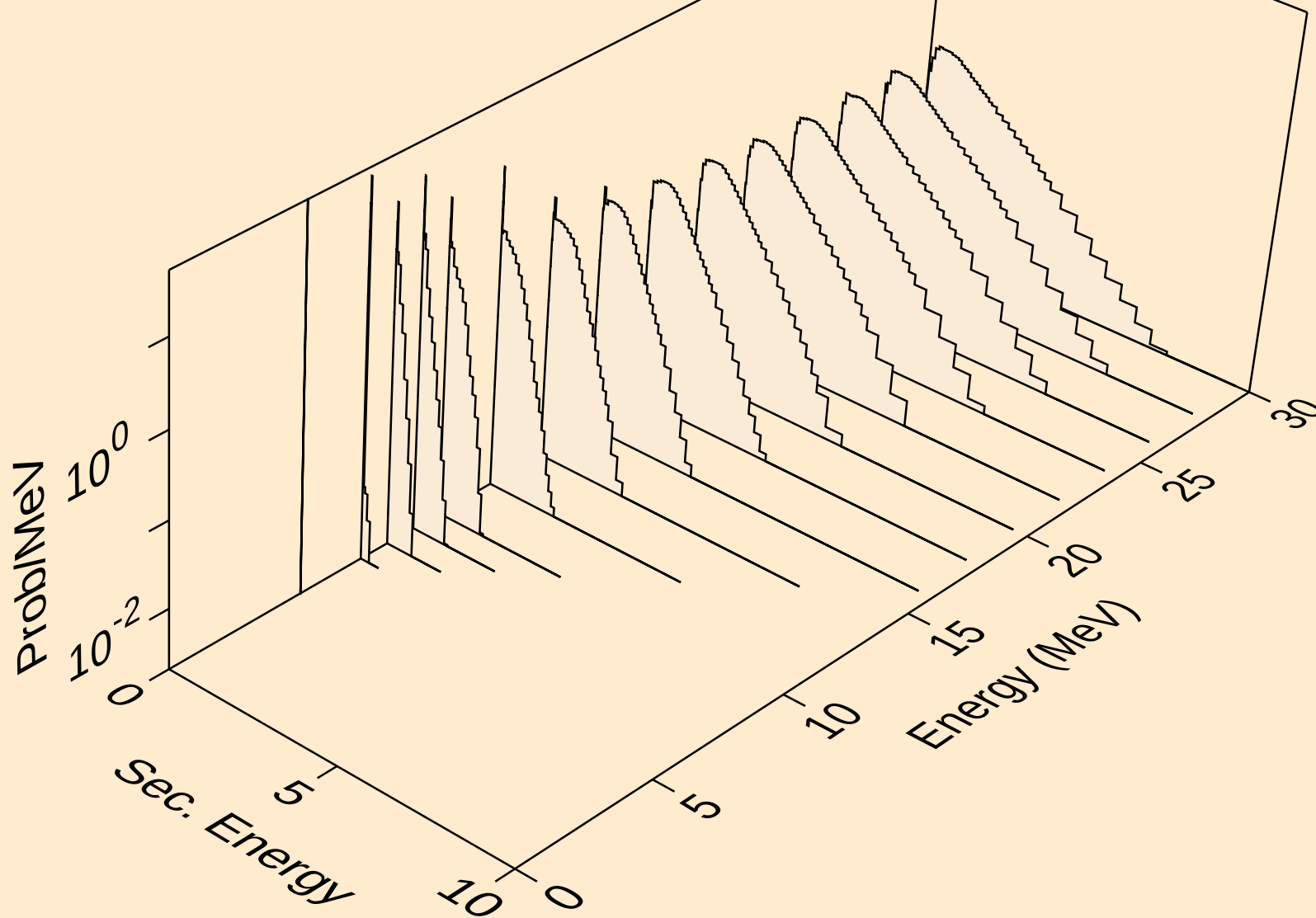
ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,2n)



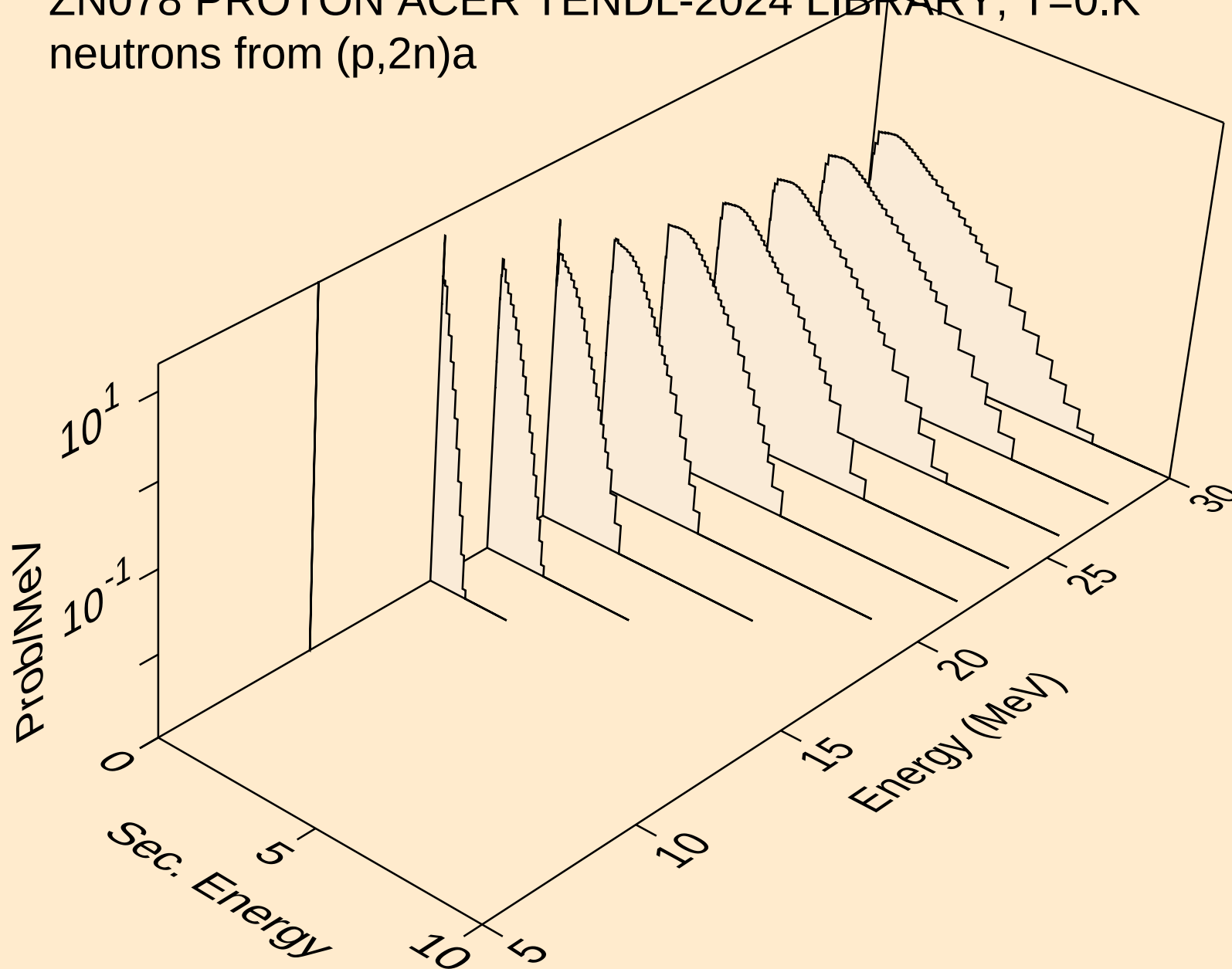
ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,3n)



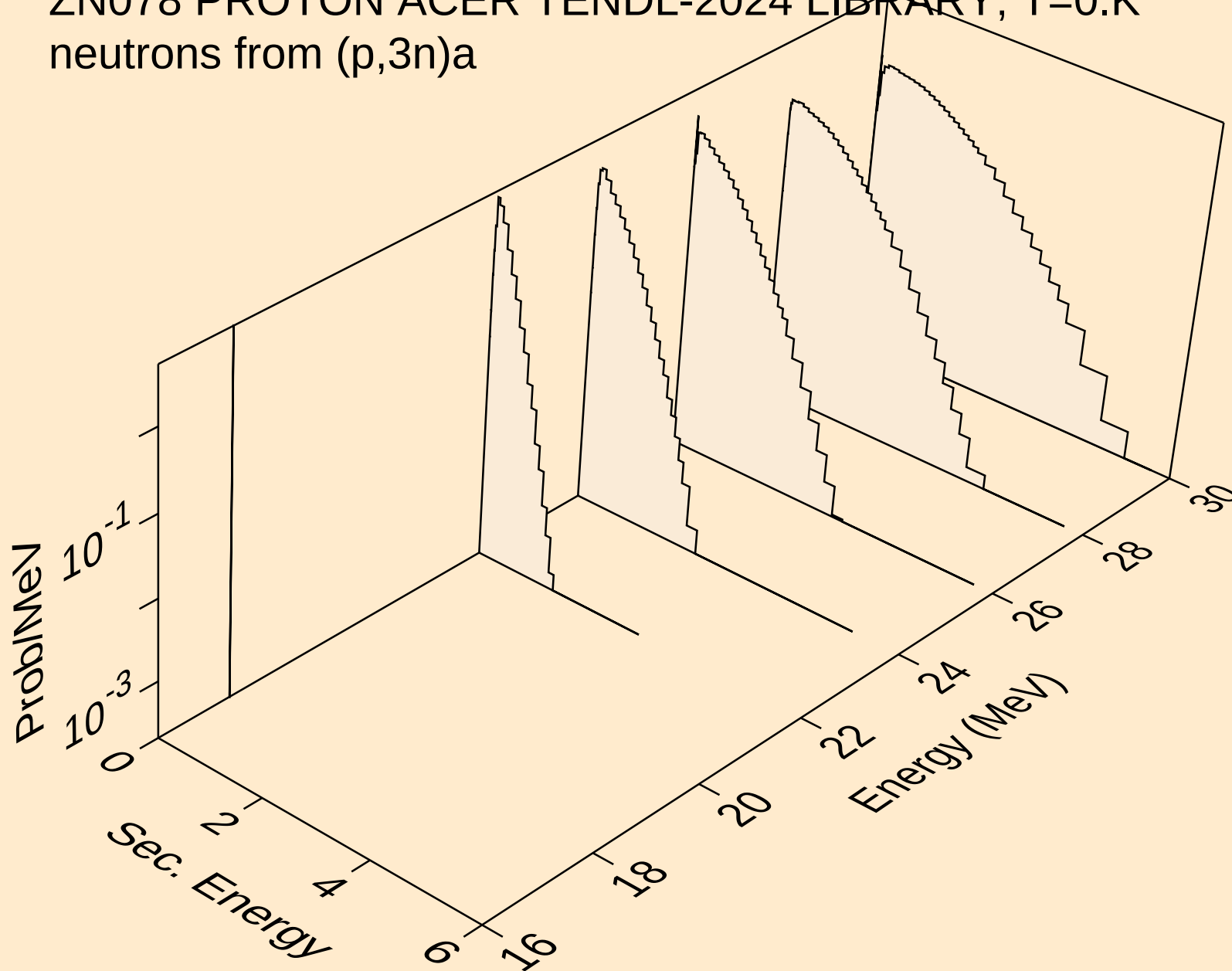
ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)a



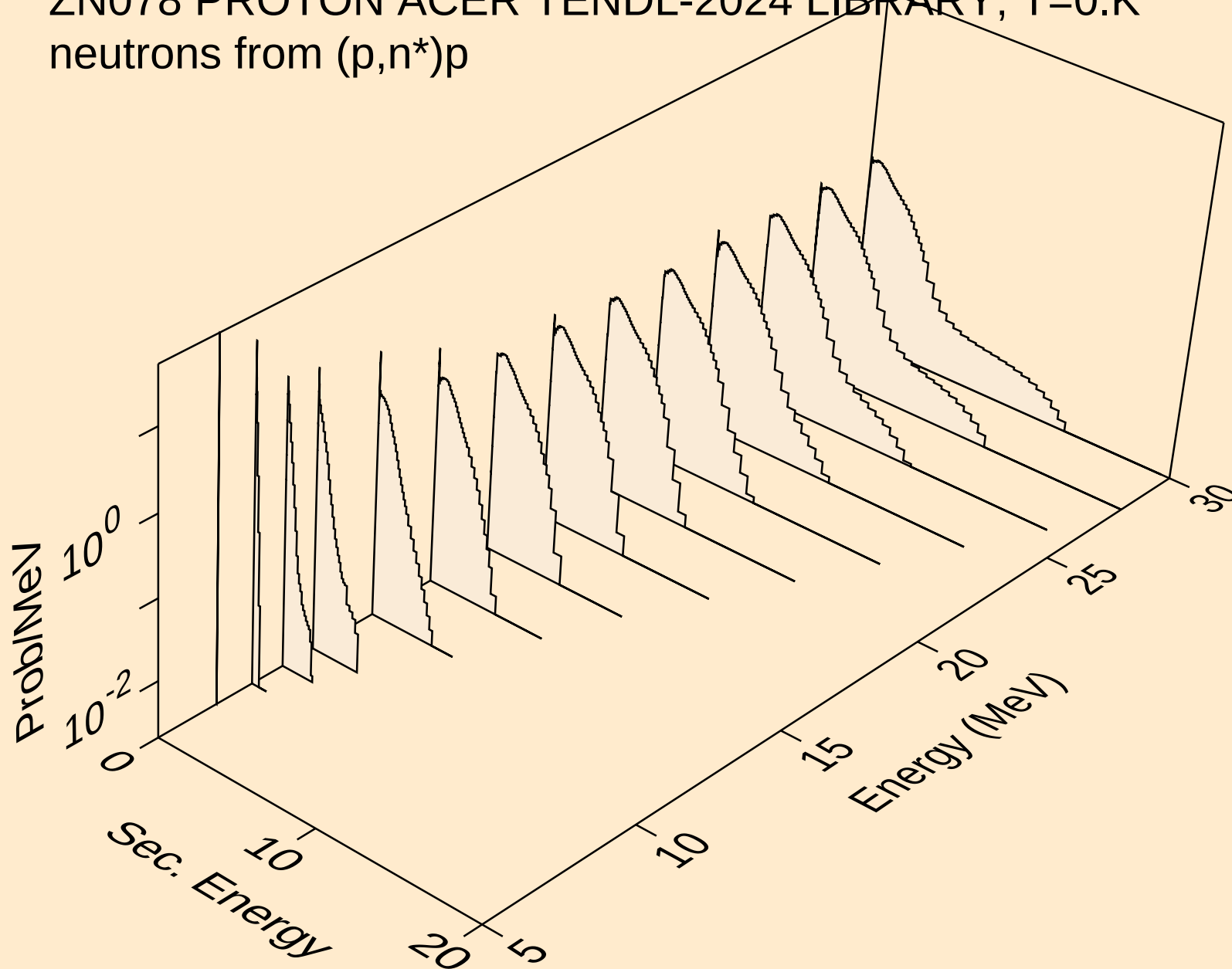
ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,2n)a



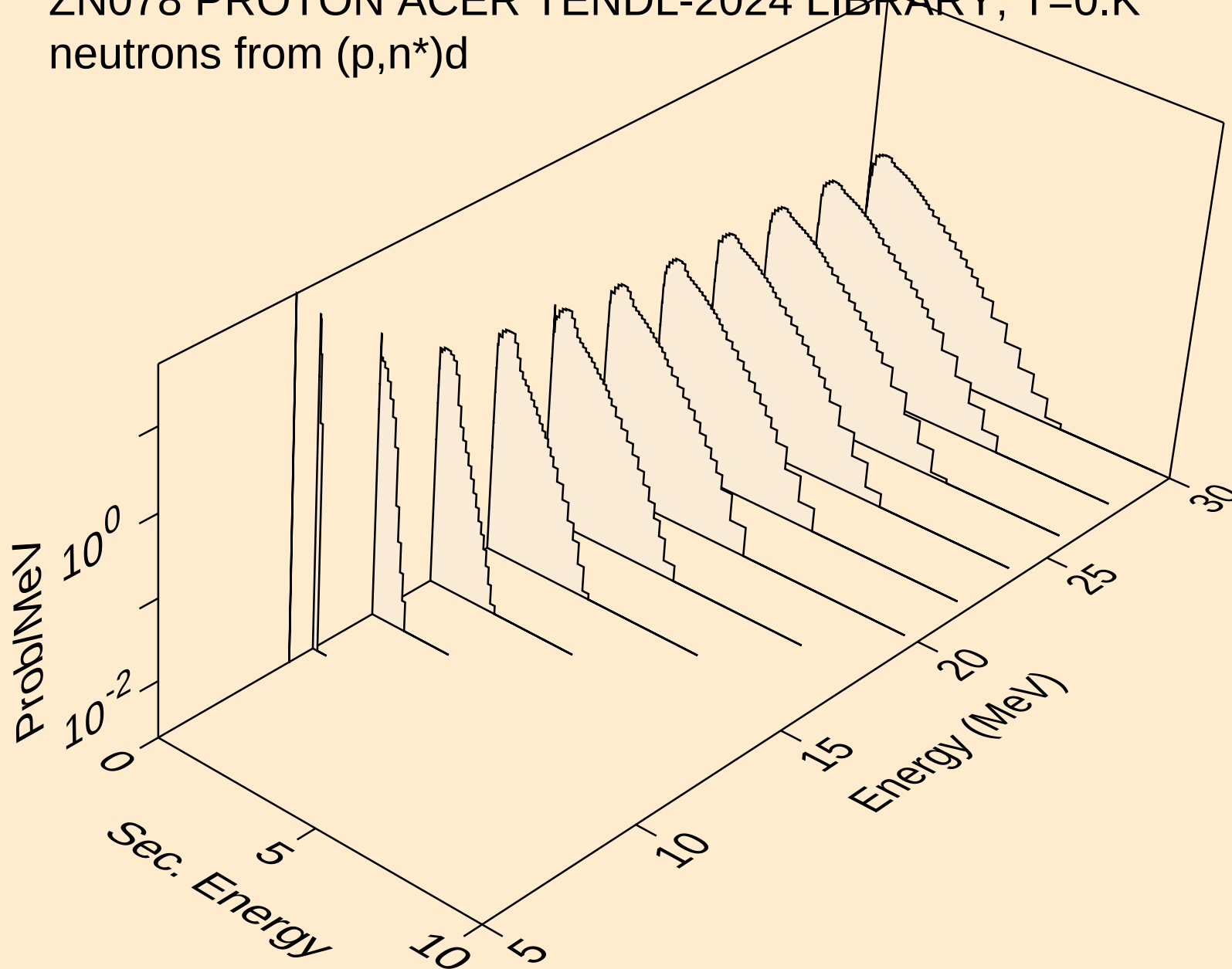
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neutrons from (p,3n)a



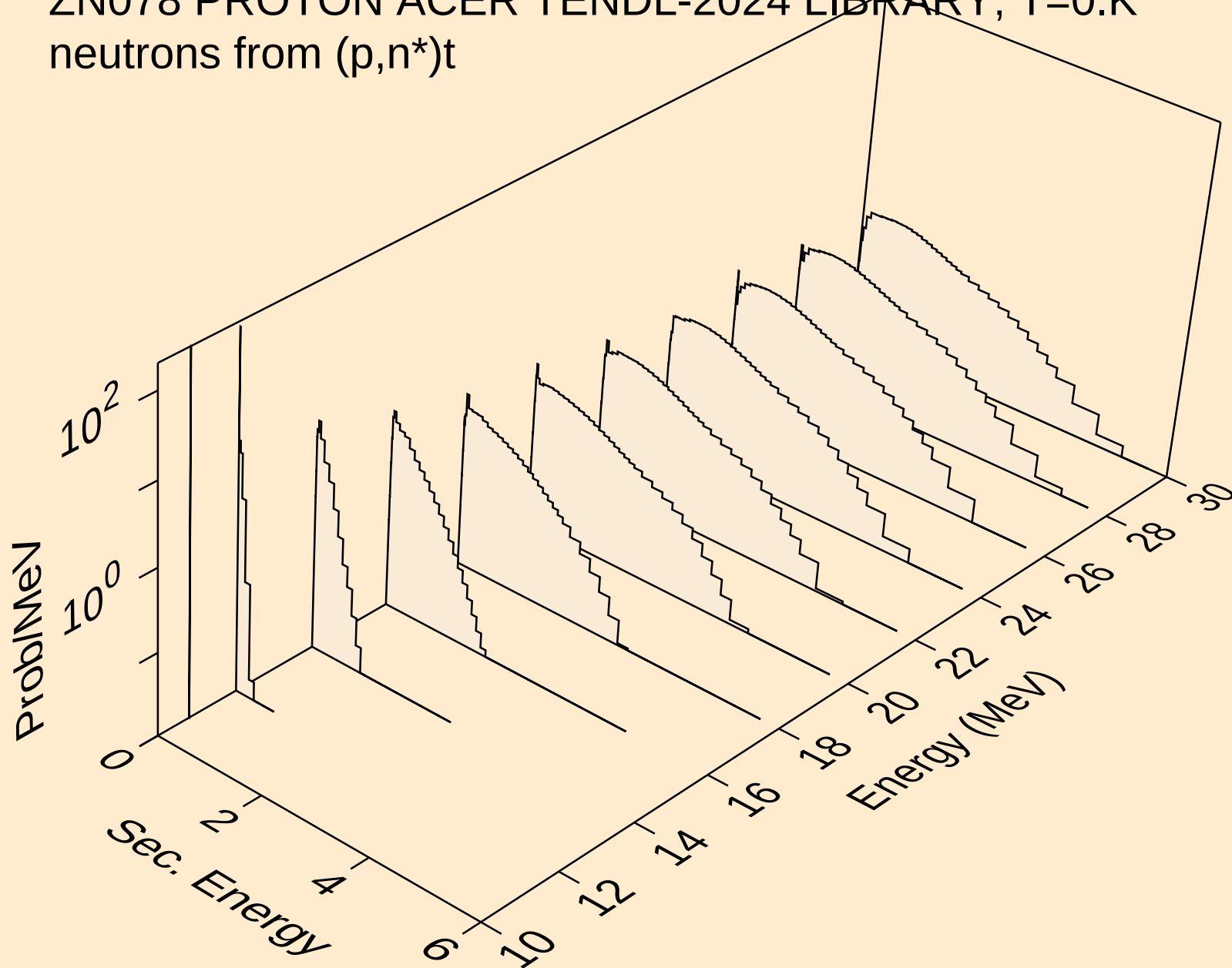
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neutrons from (p,n\*)p



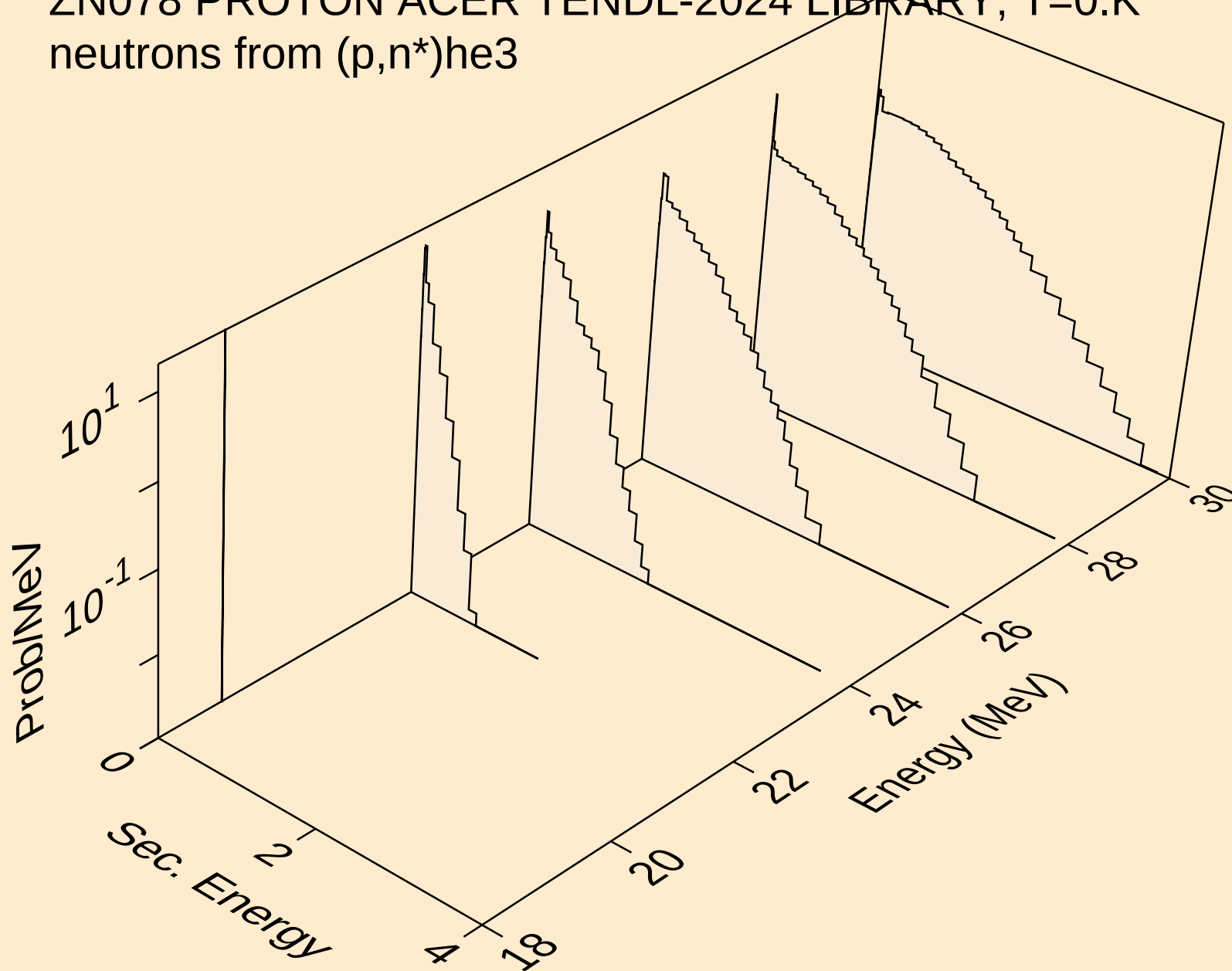
ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)d



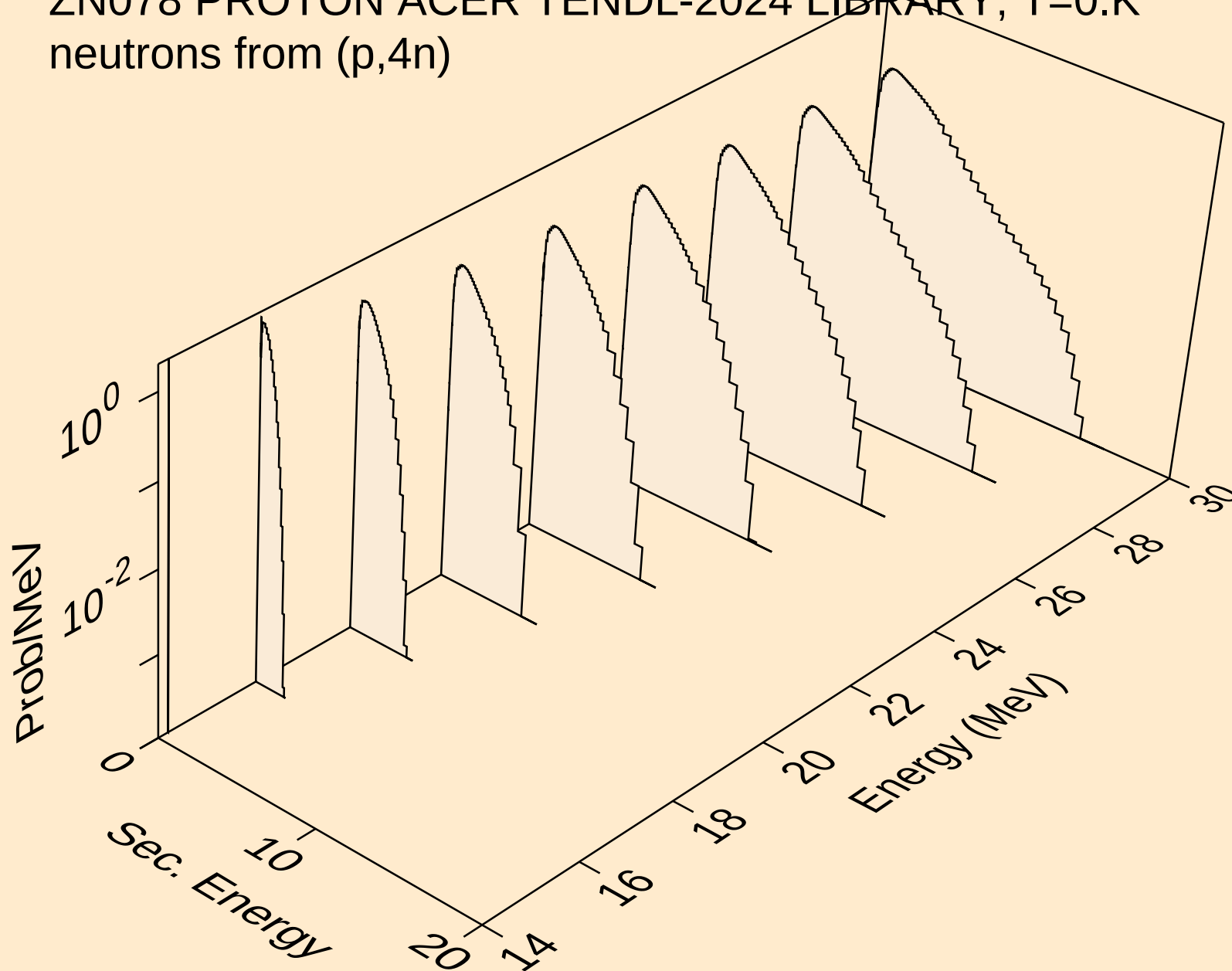
ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)t



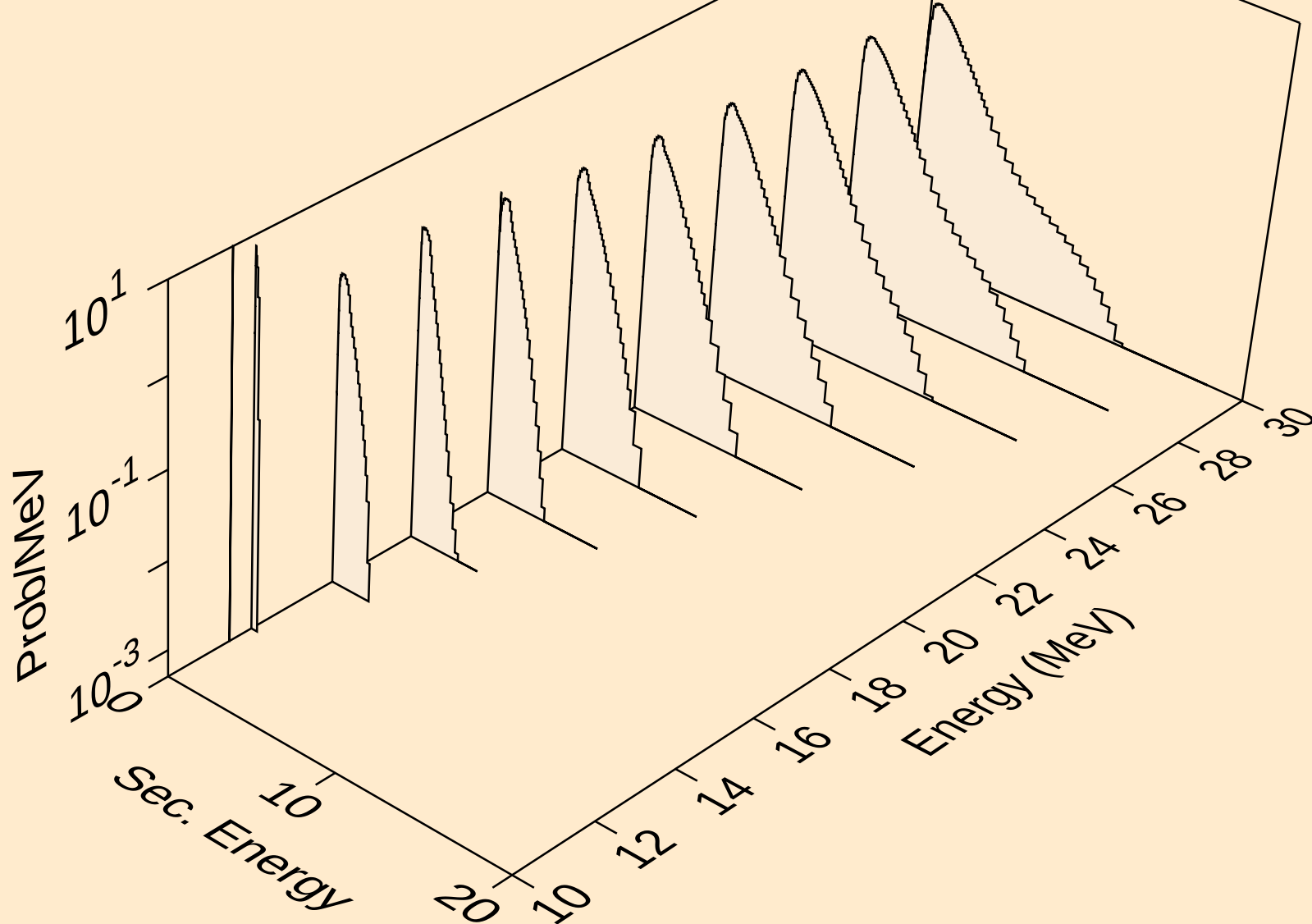
ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



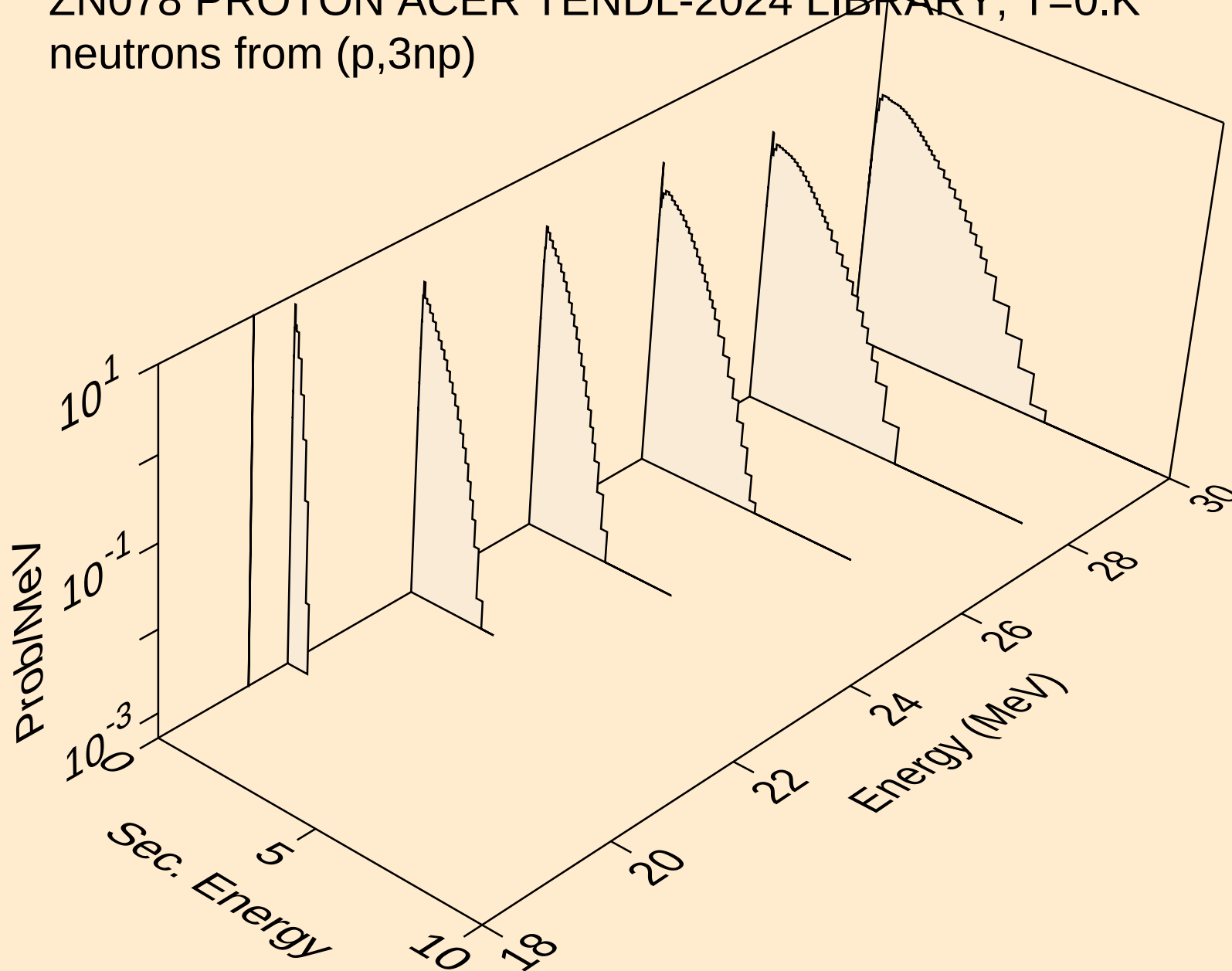
ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,4n)



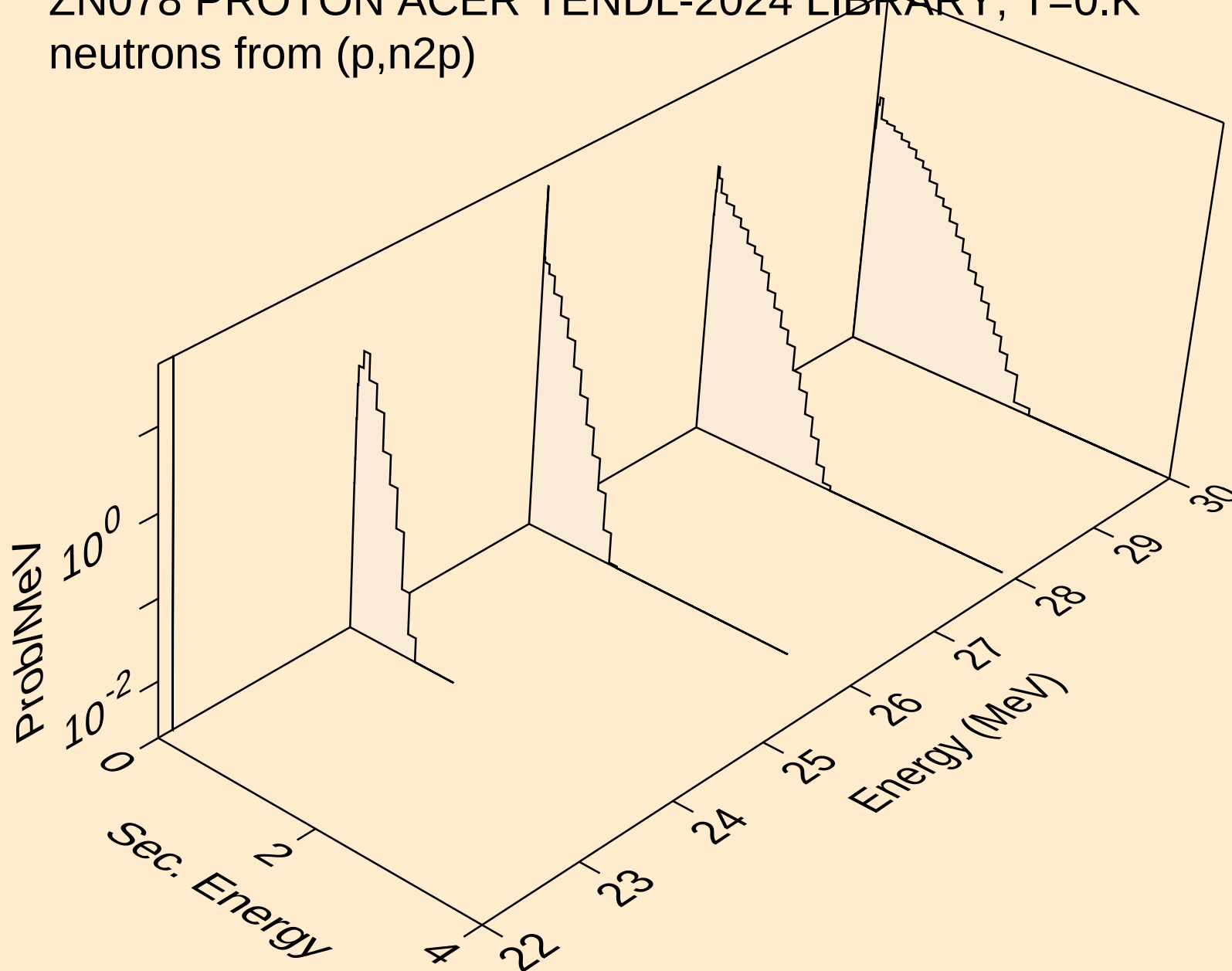
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neutrons from (p,2np)



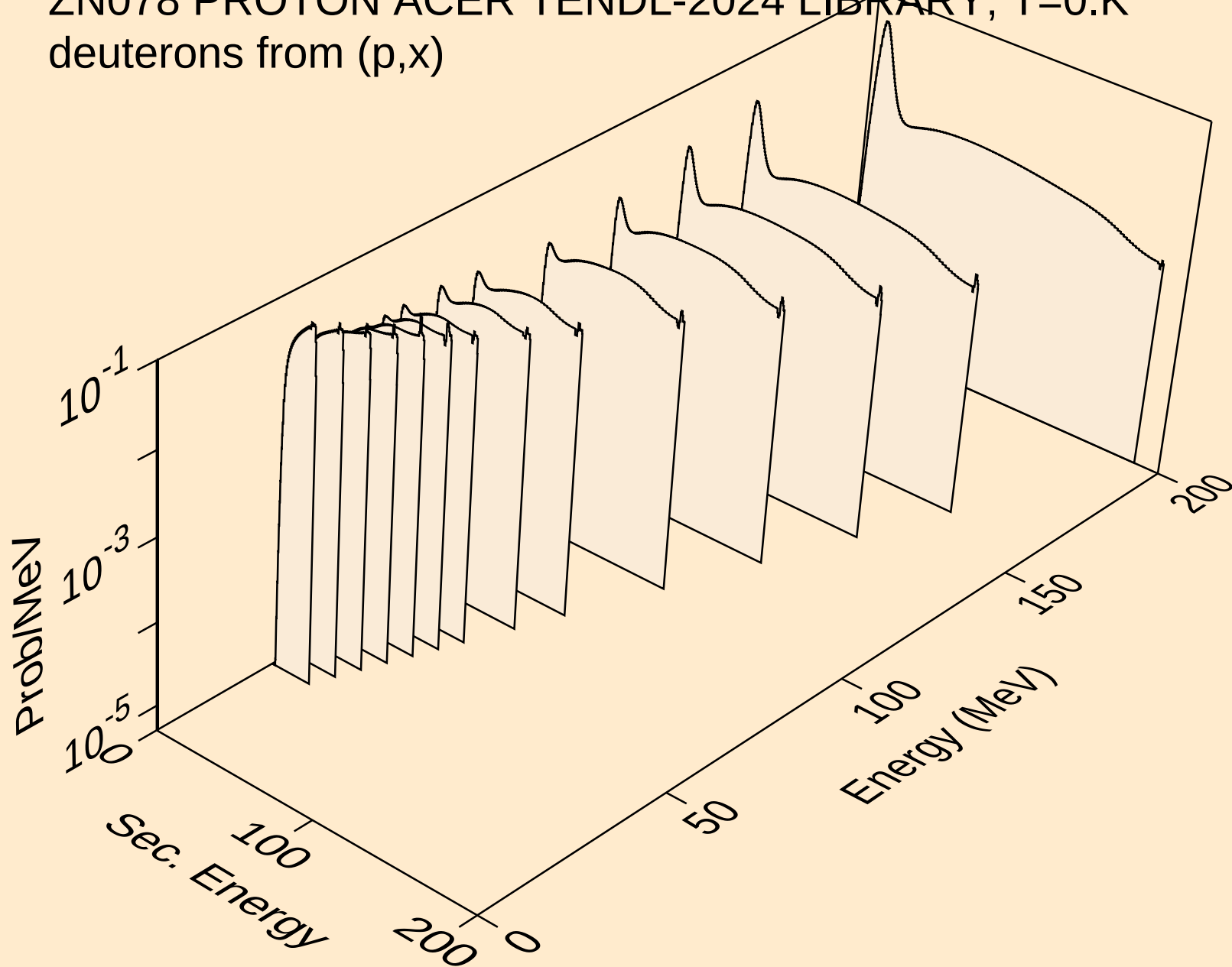
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neutrons from (p,3np)



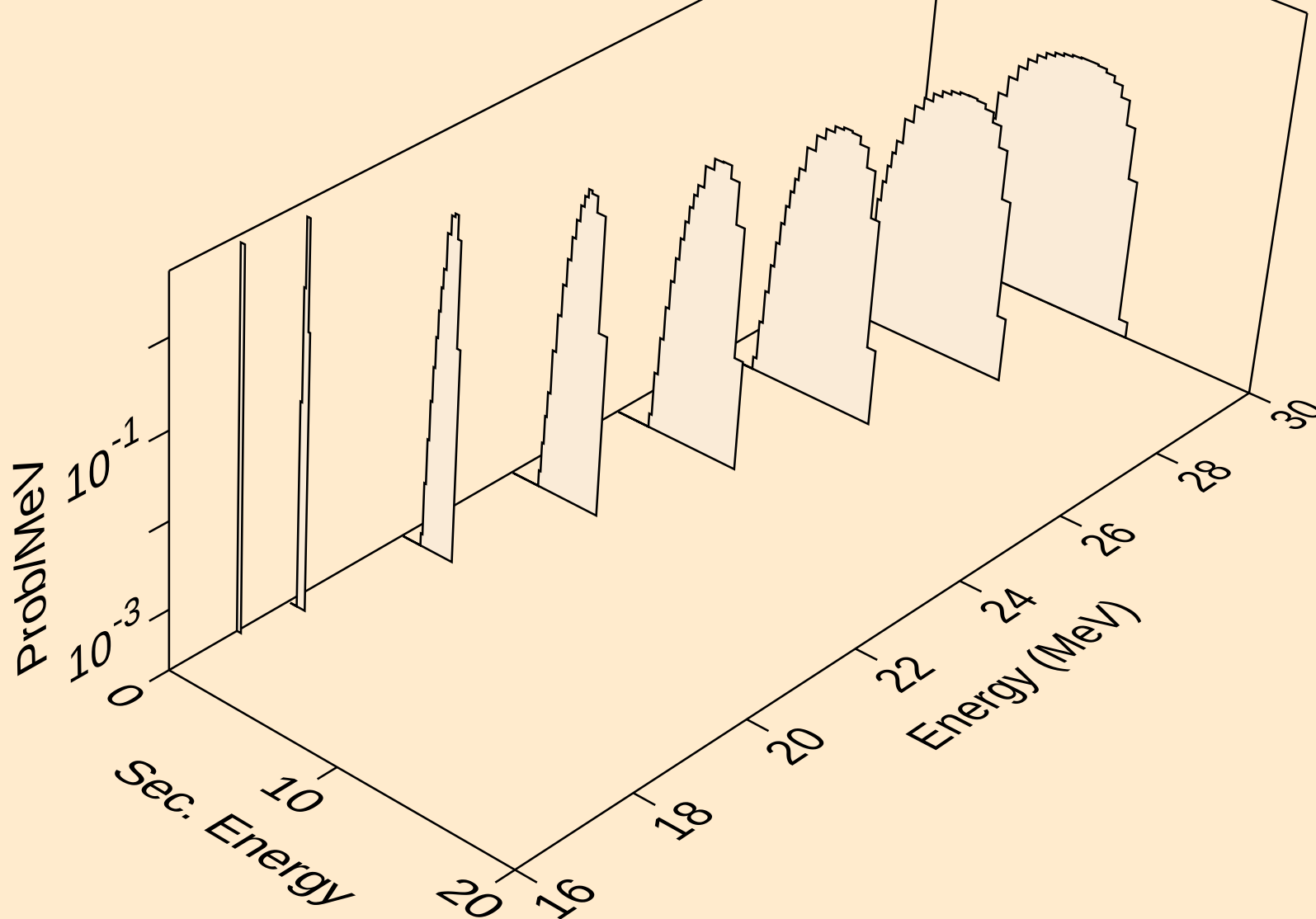
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neutrons from (p,n2p)



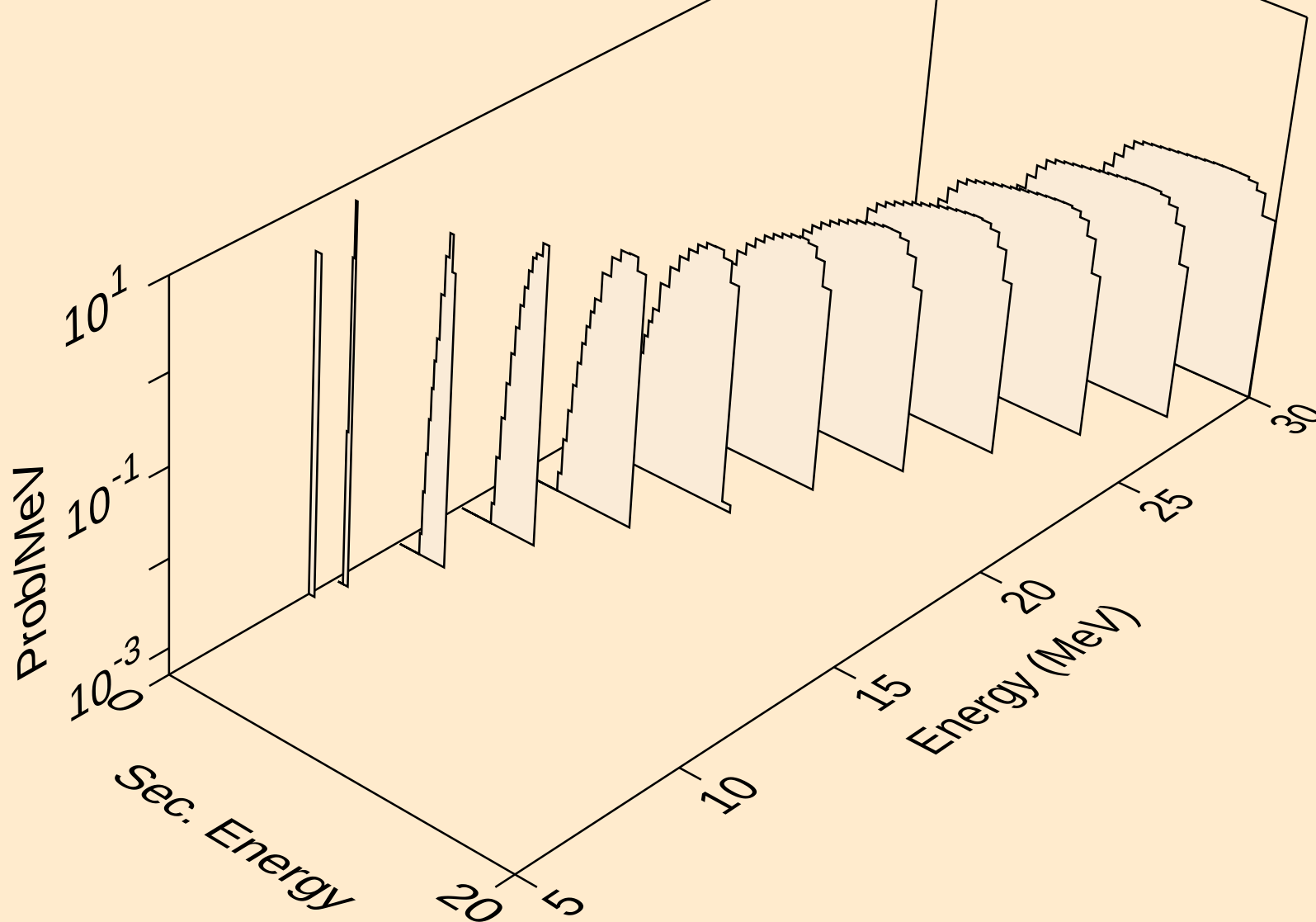
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deuterons from (p,x)



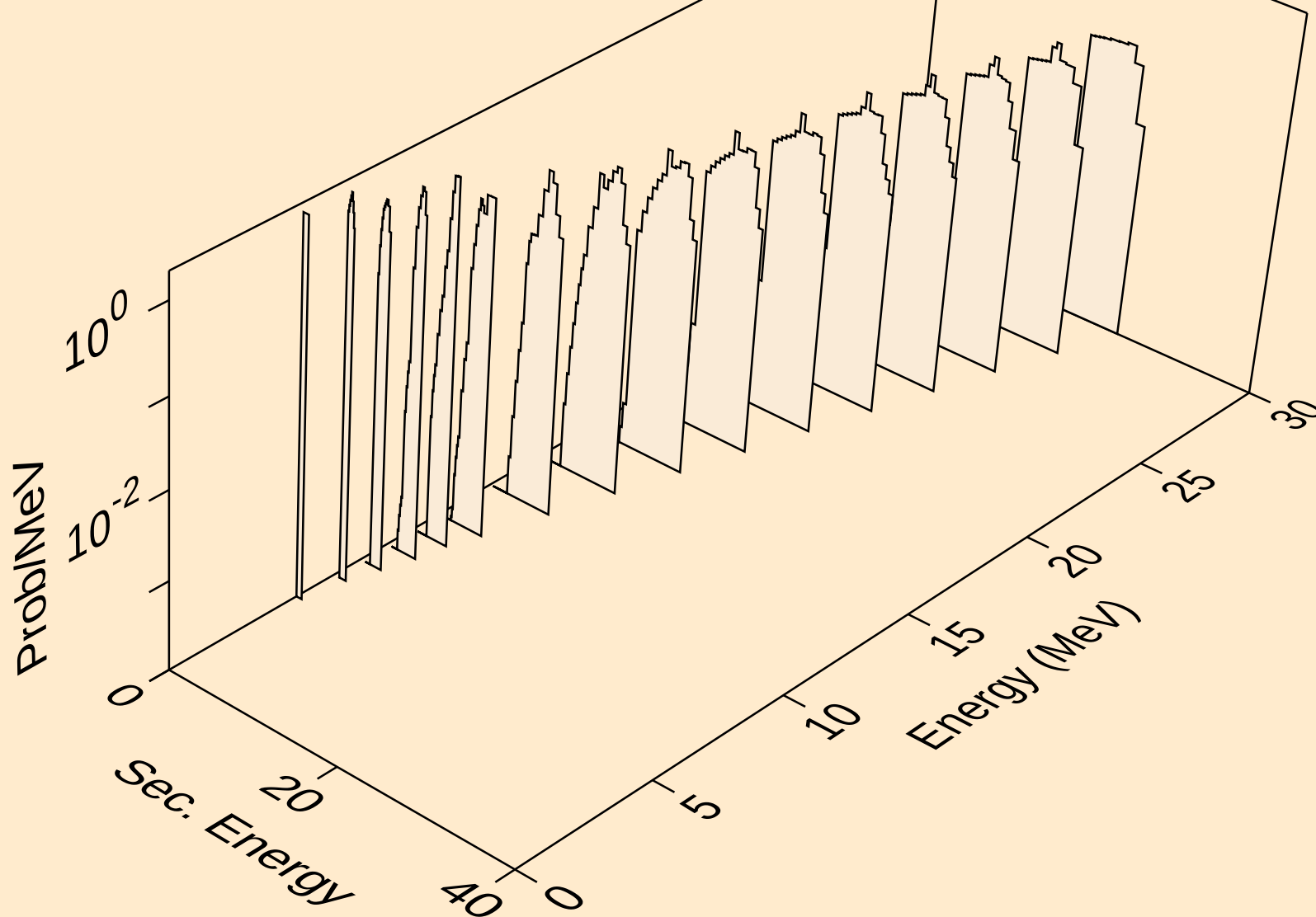
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deuterons from (p,2nd)



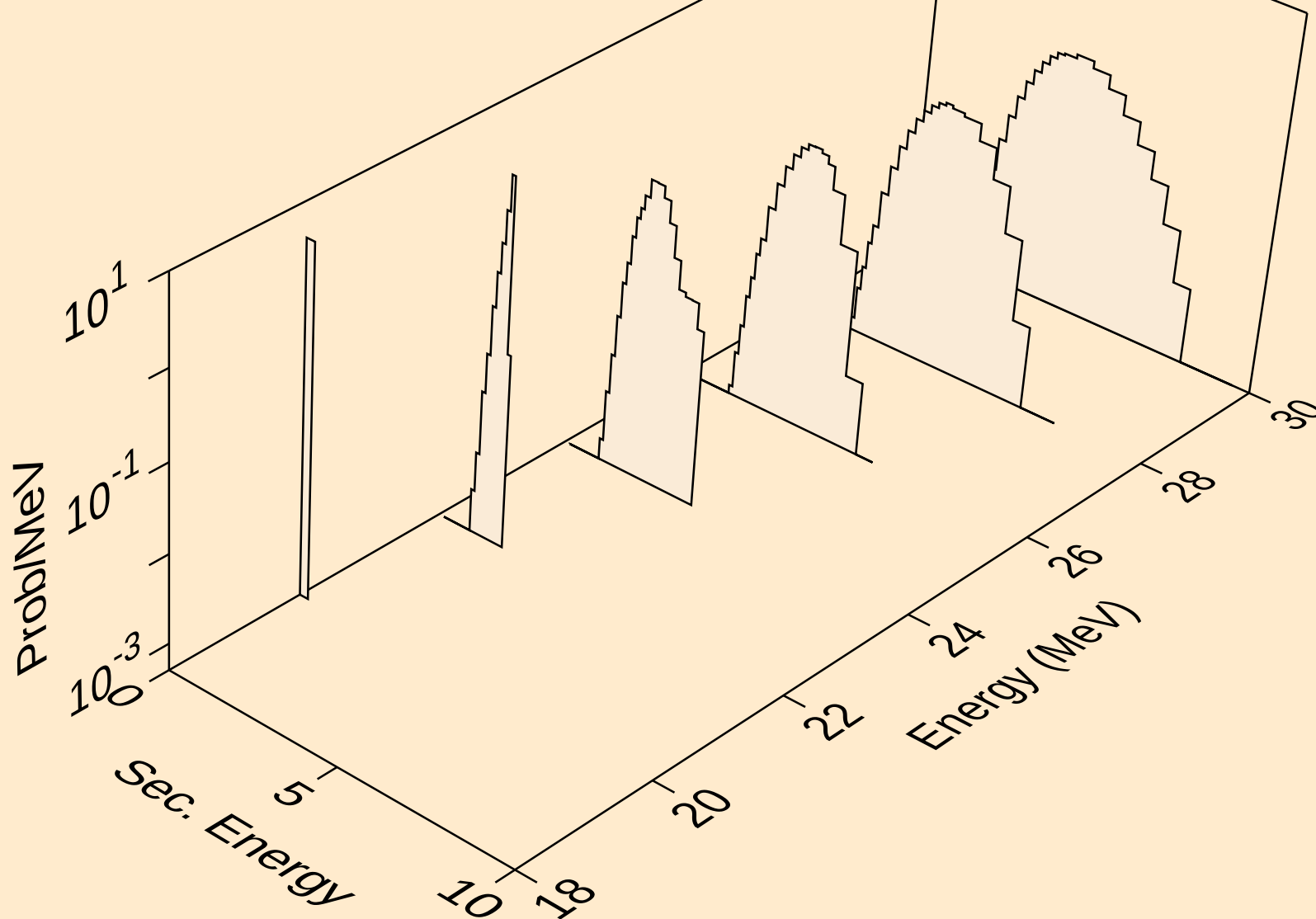
ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (p,n\*)d



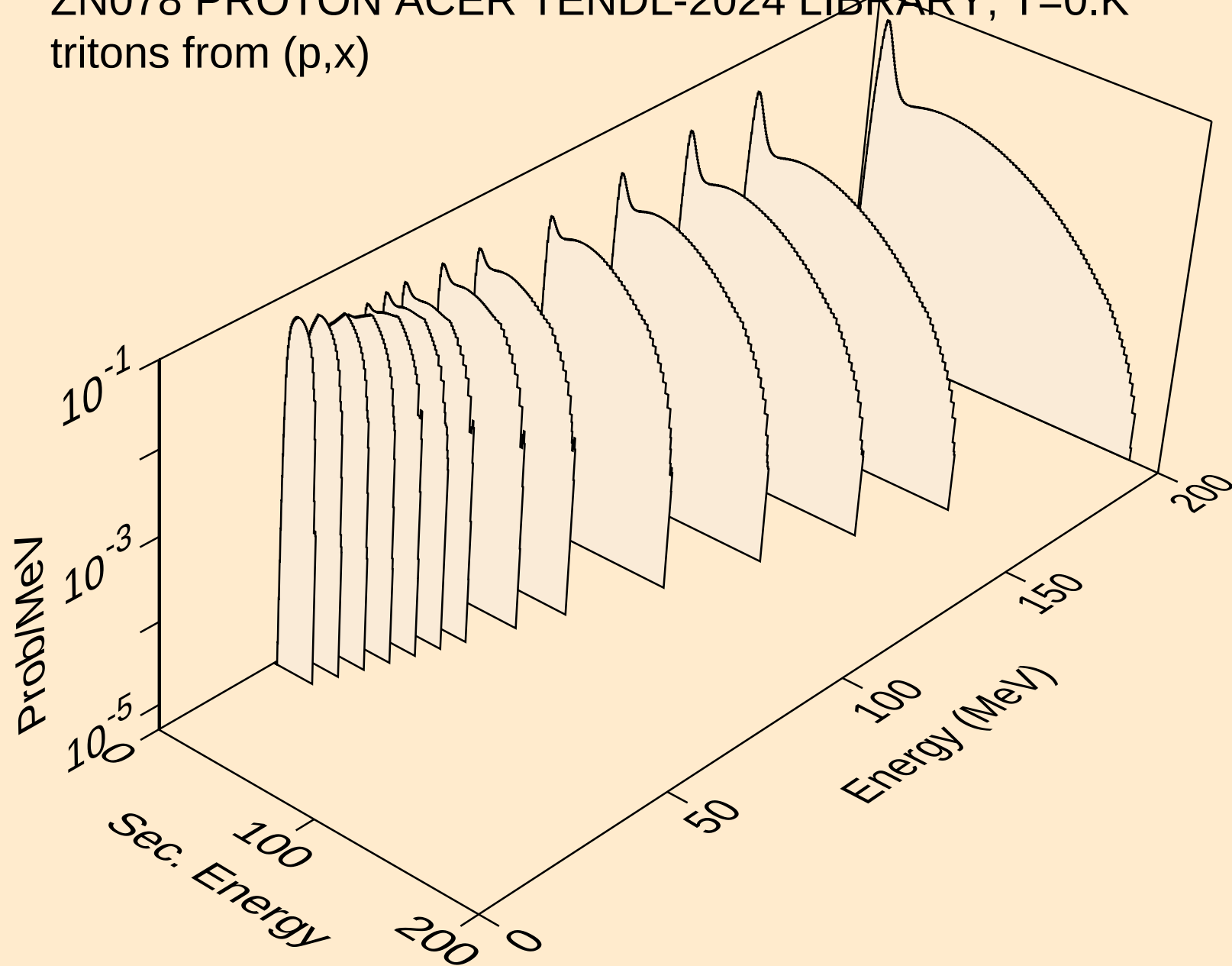
ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (p,d)



ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (p,pd)

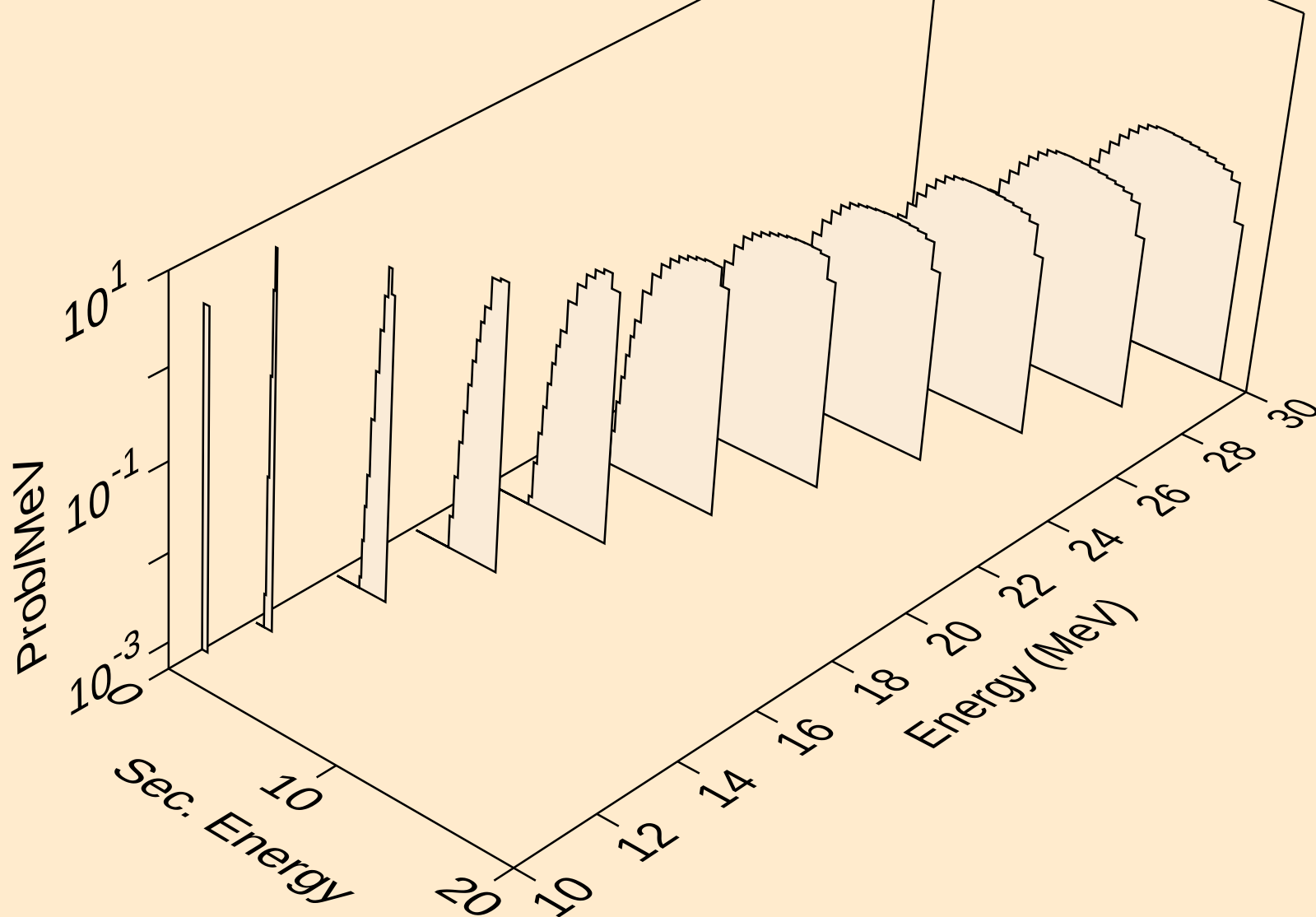


ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (p,x)

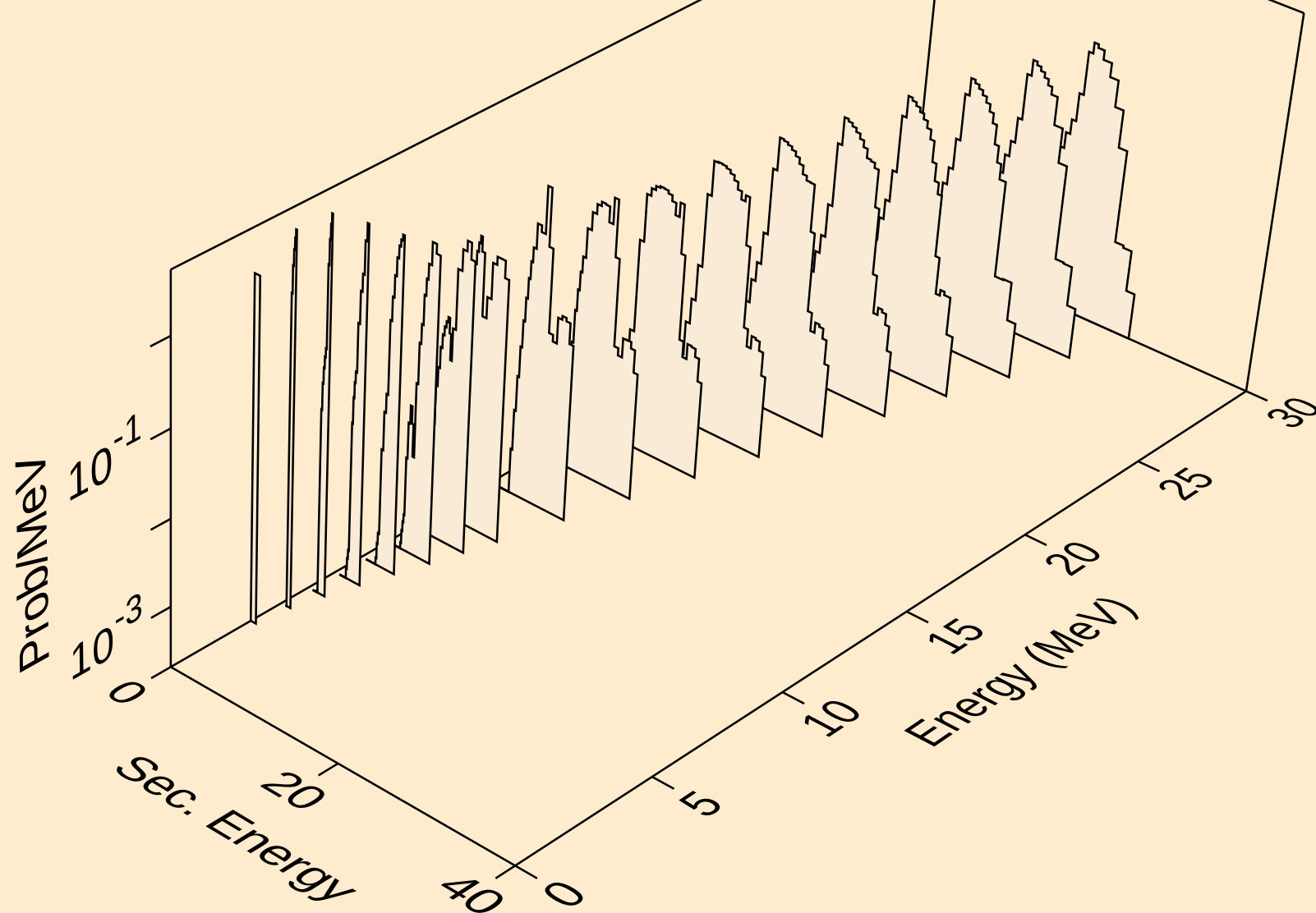


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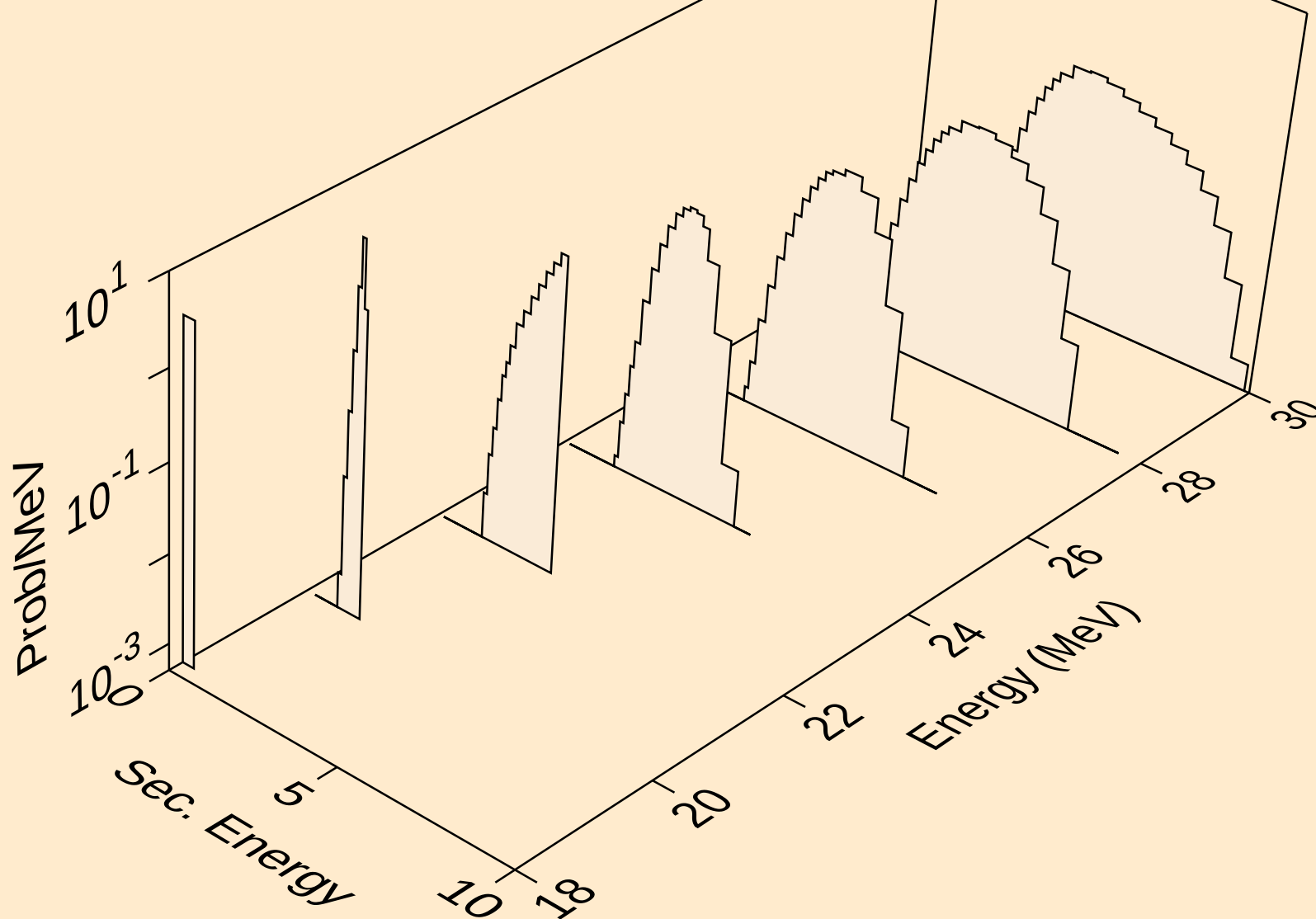
tritons from (p,n\*)t



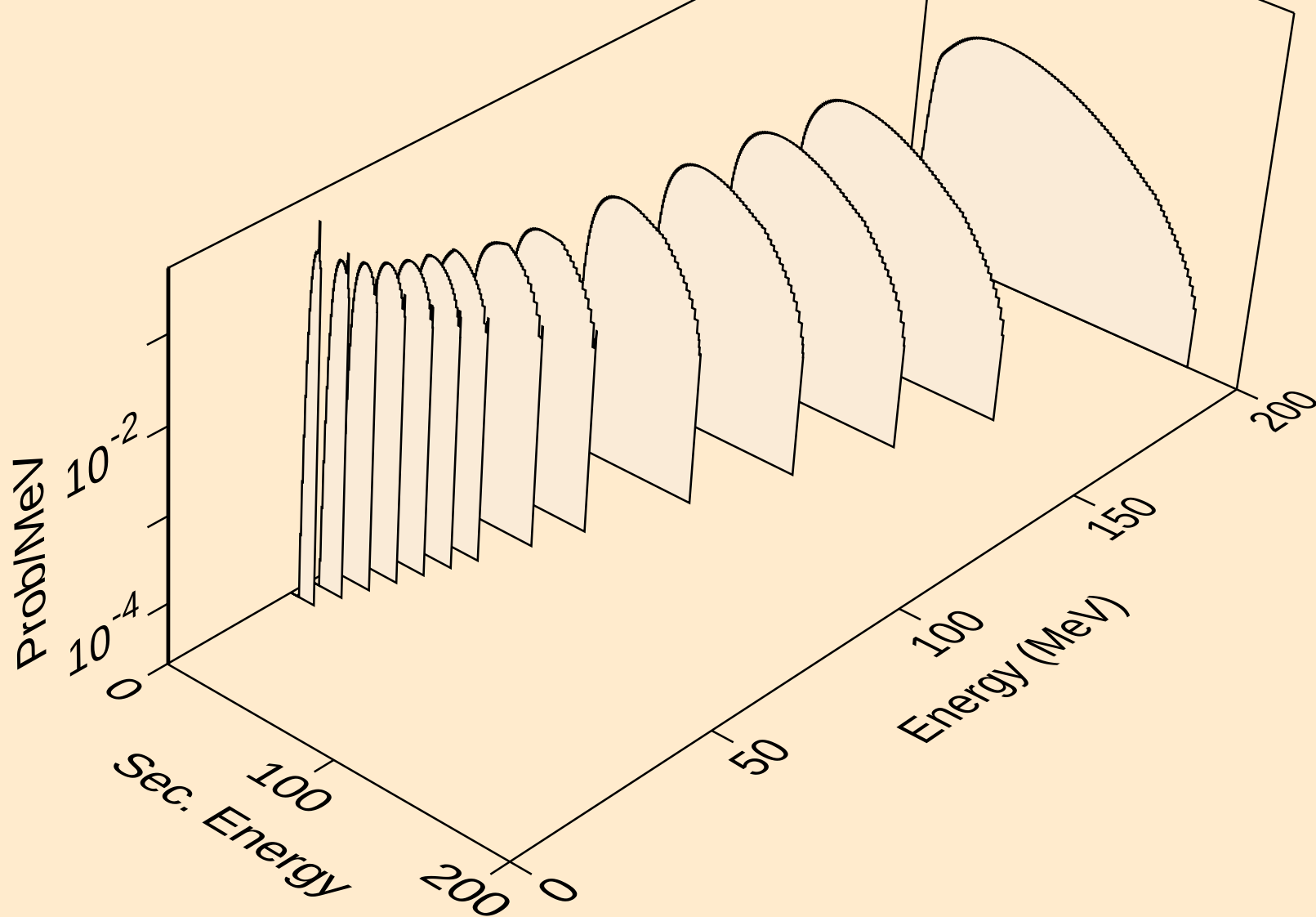
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tritons from (p,t)



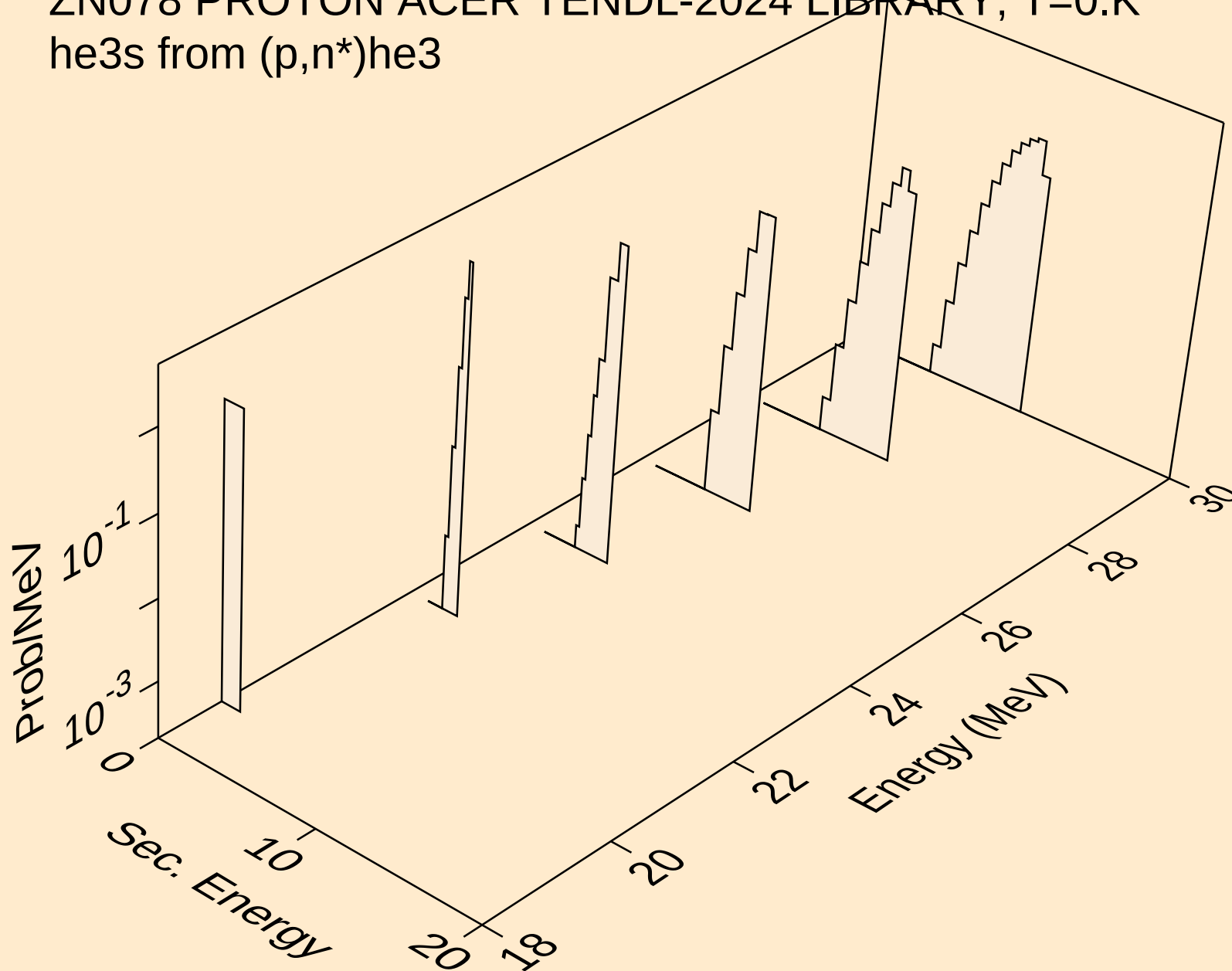
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tritons from (p,pt)



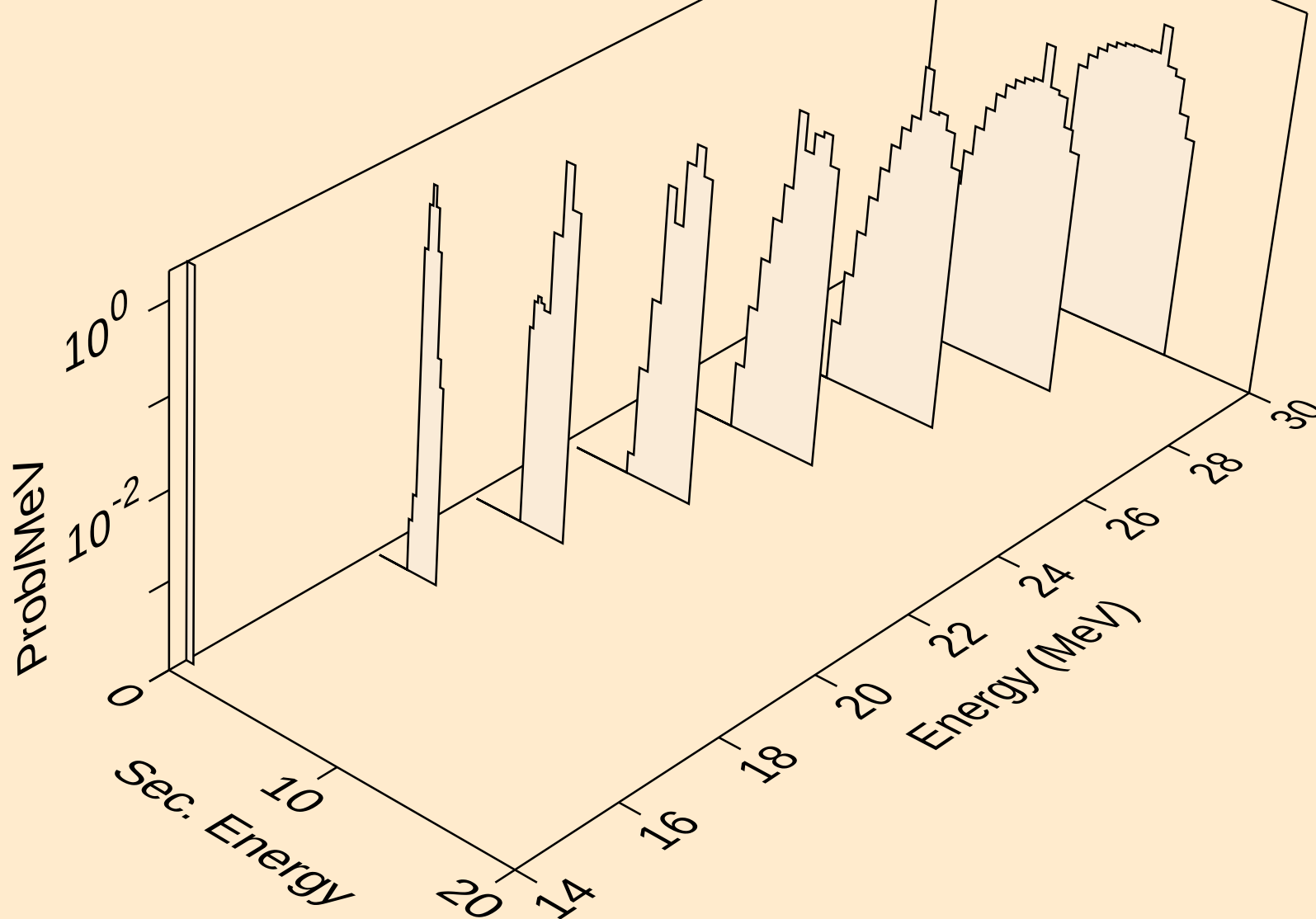
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he3s from (p,x)



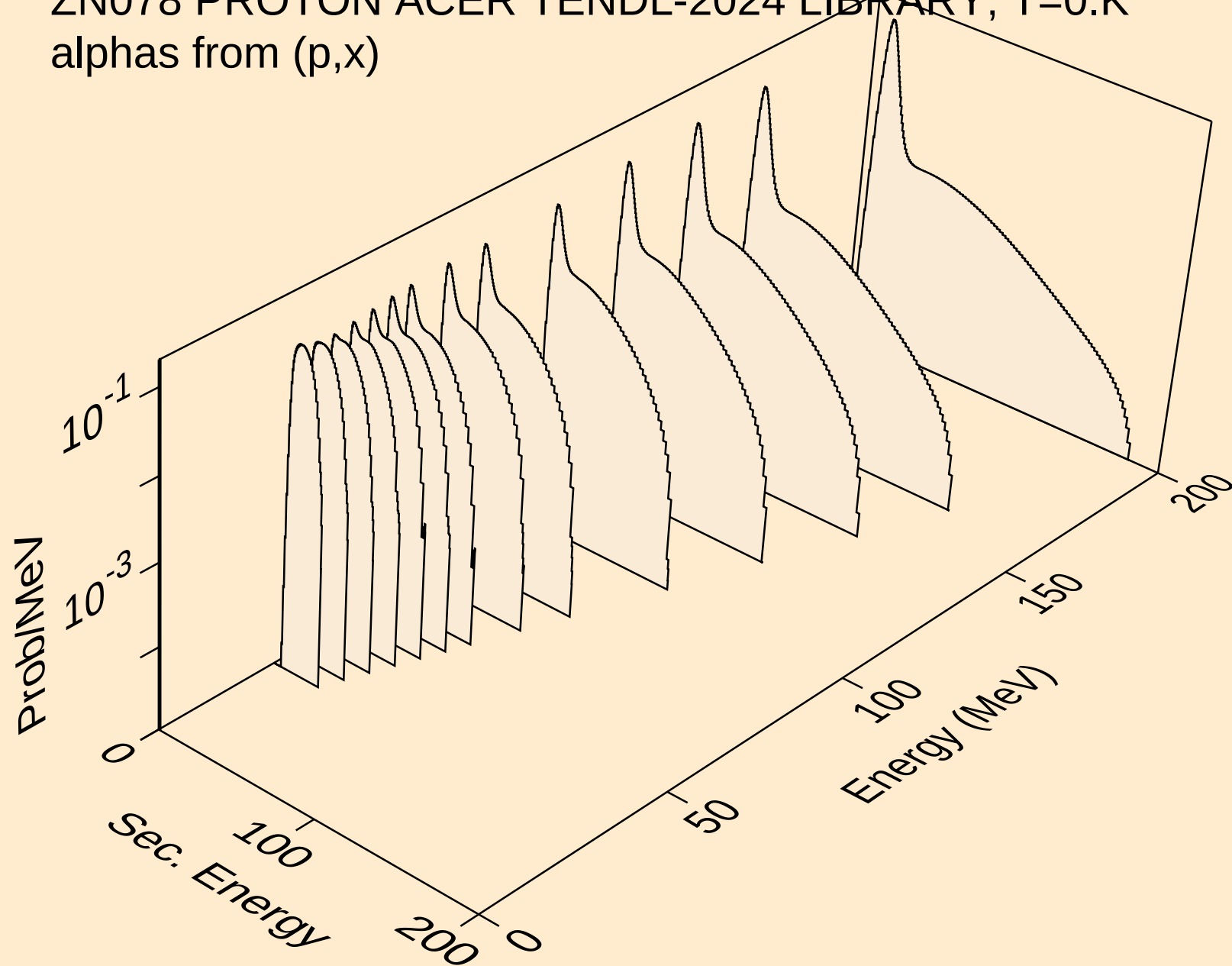
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he3s from (p,n\*)he3



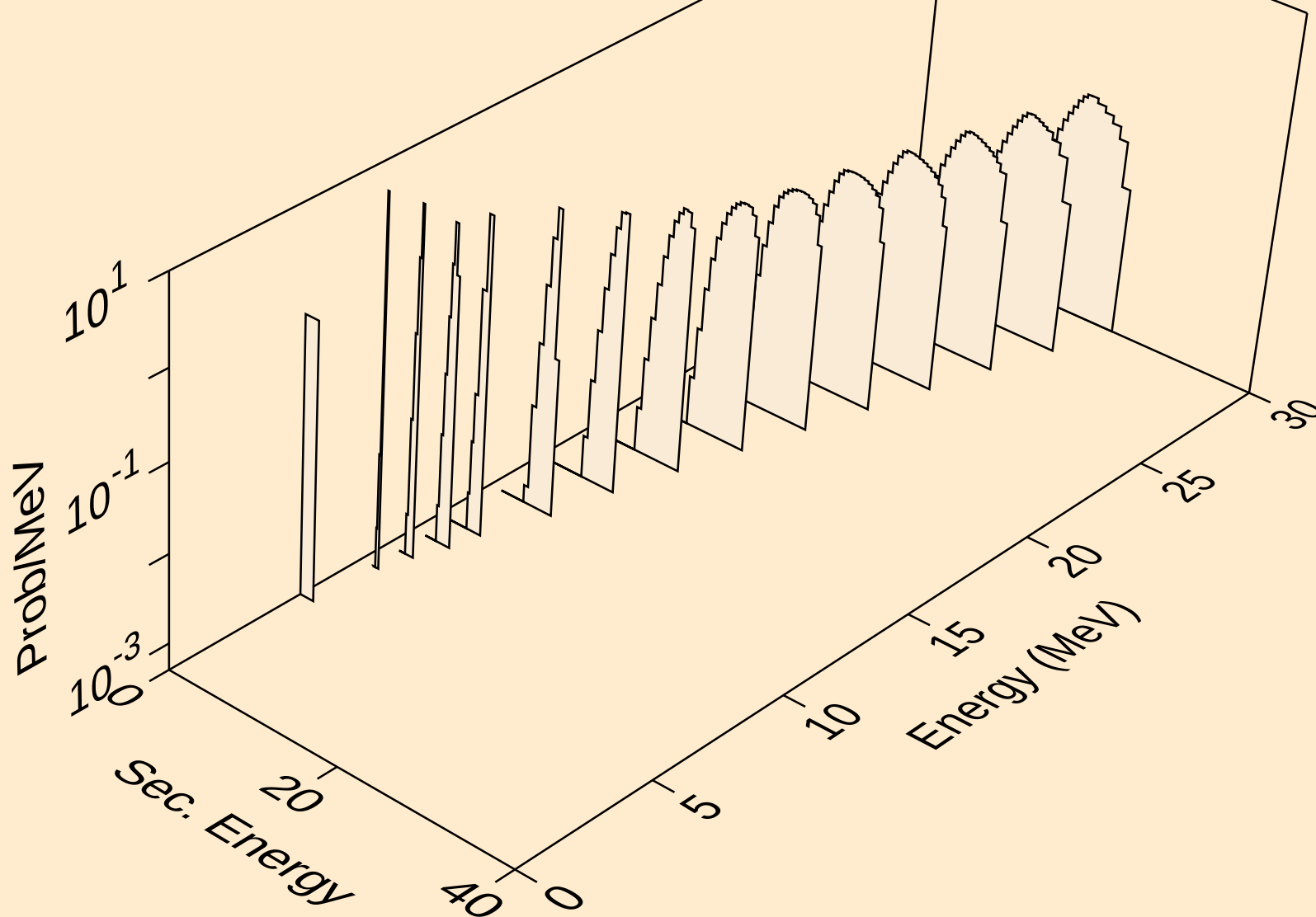
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he3s from (p,he3)



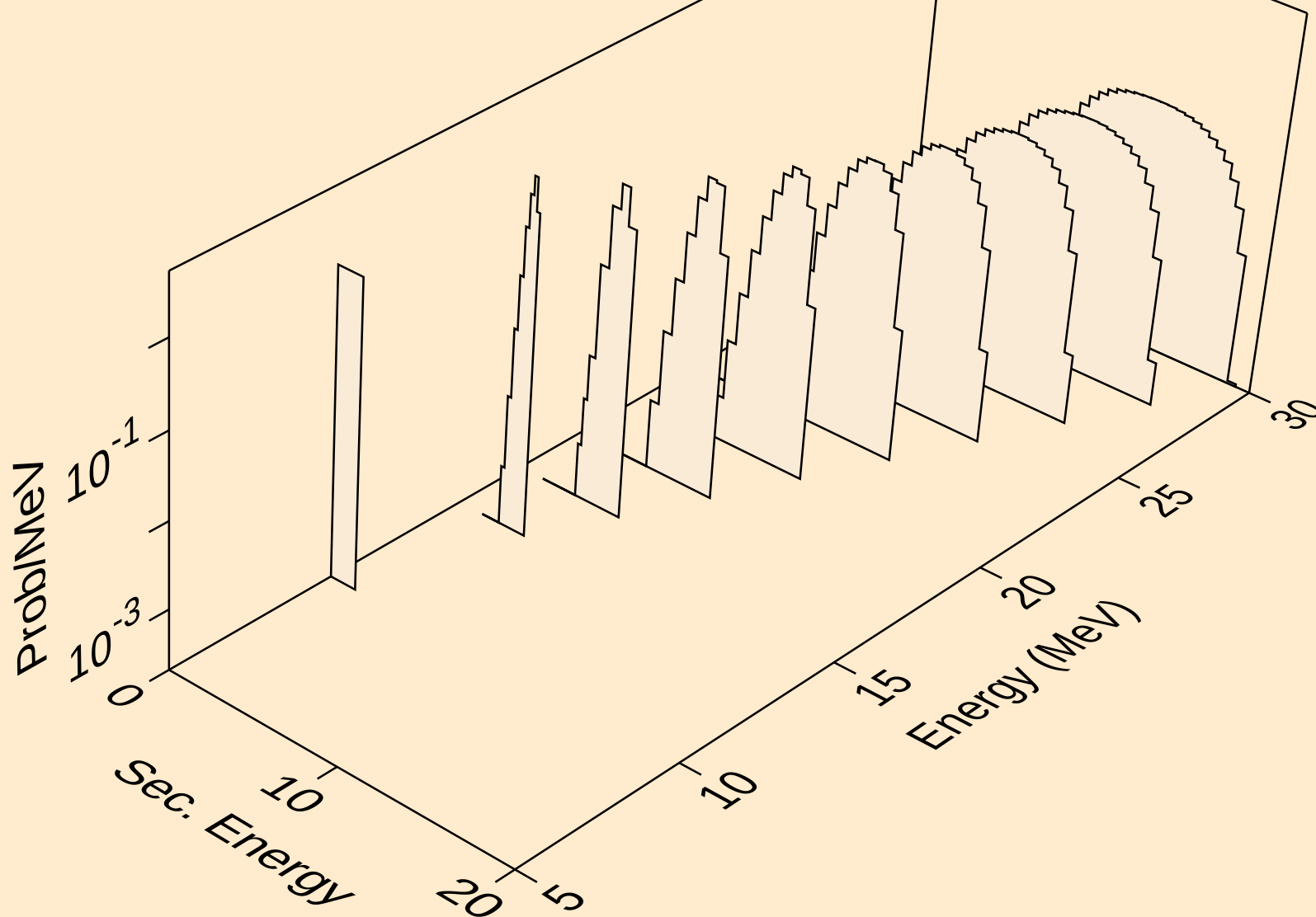
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alphas from (p,x)



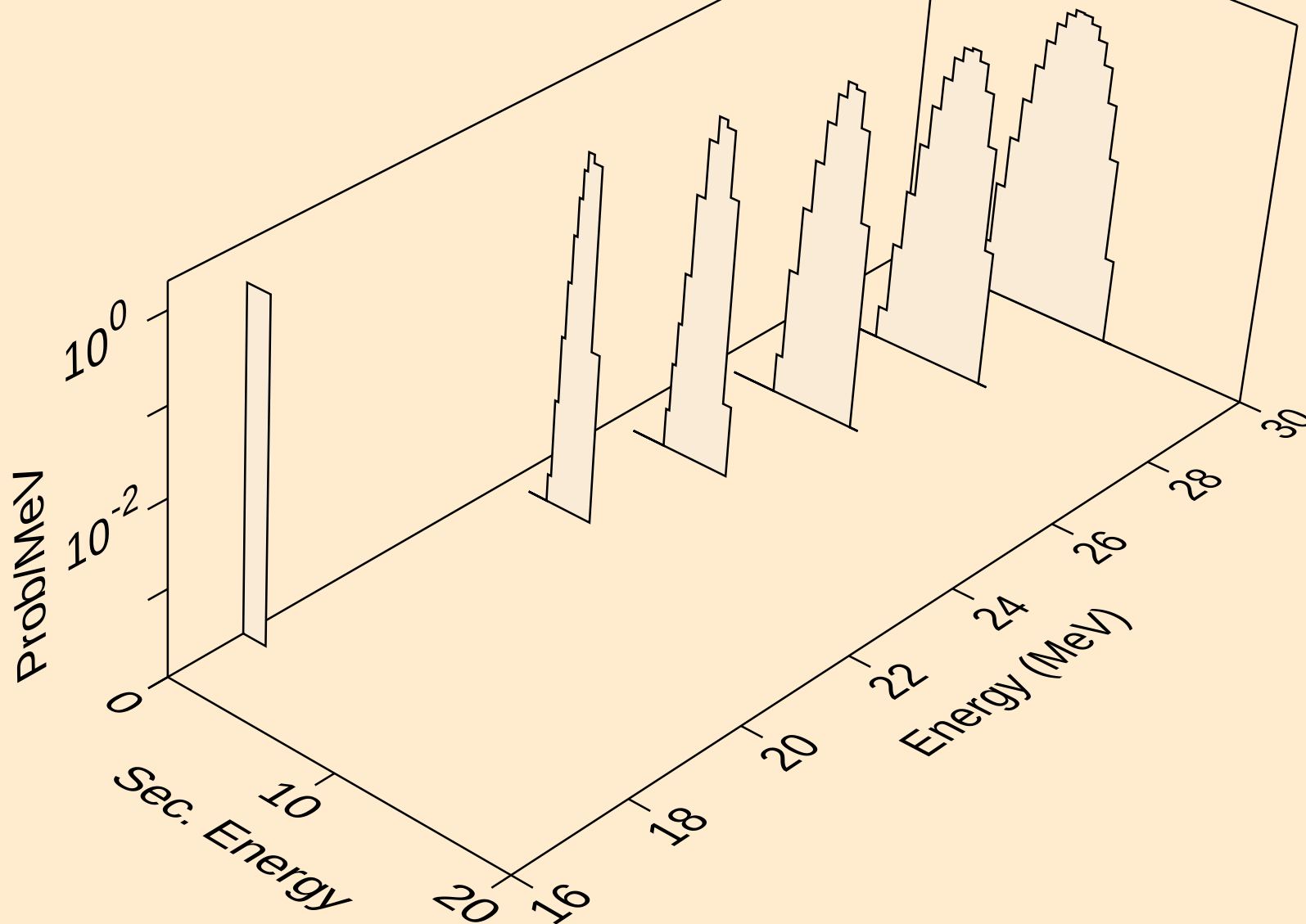
ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,n\*)a



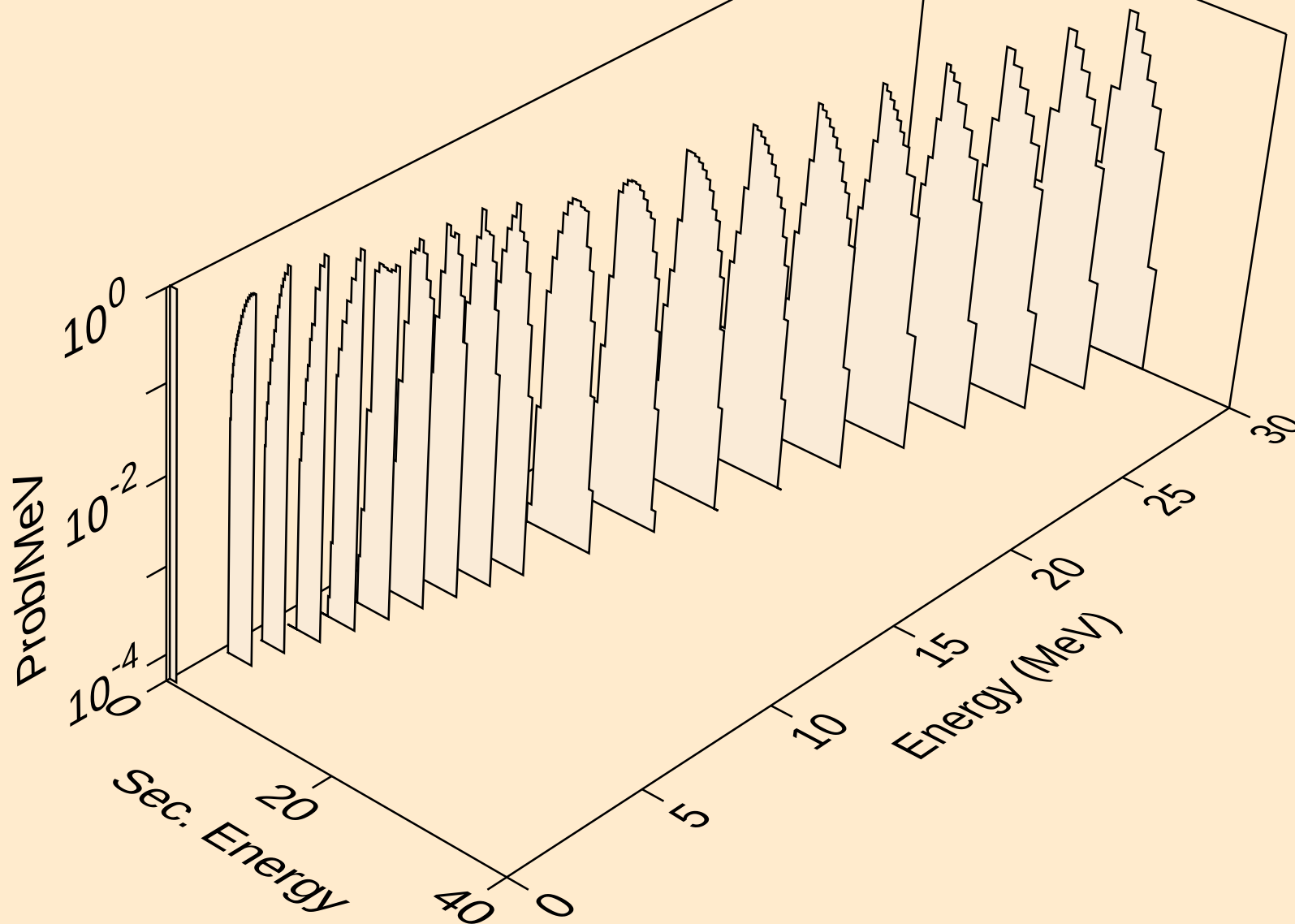
ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,2n)a



ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,3n)a



ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,a)



ZN078 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,pa)

