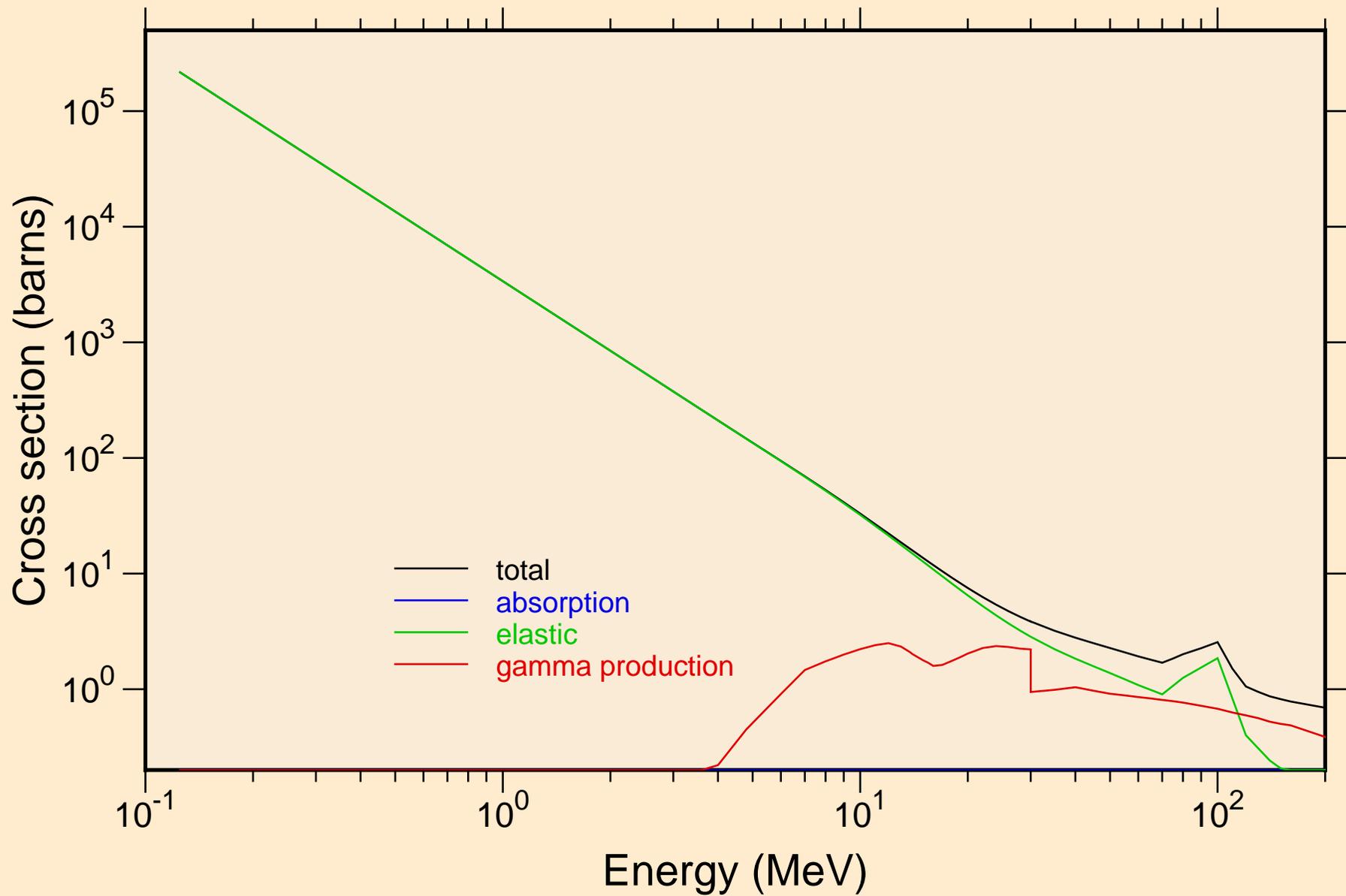
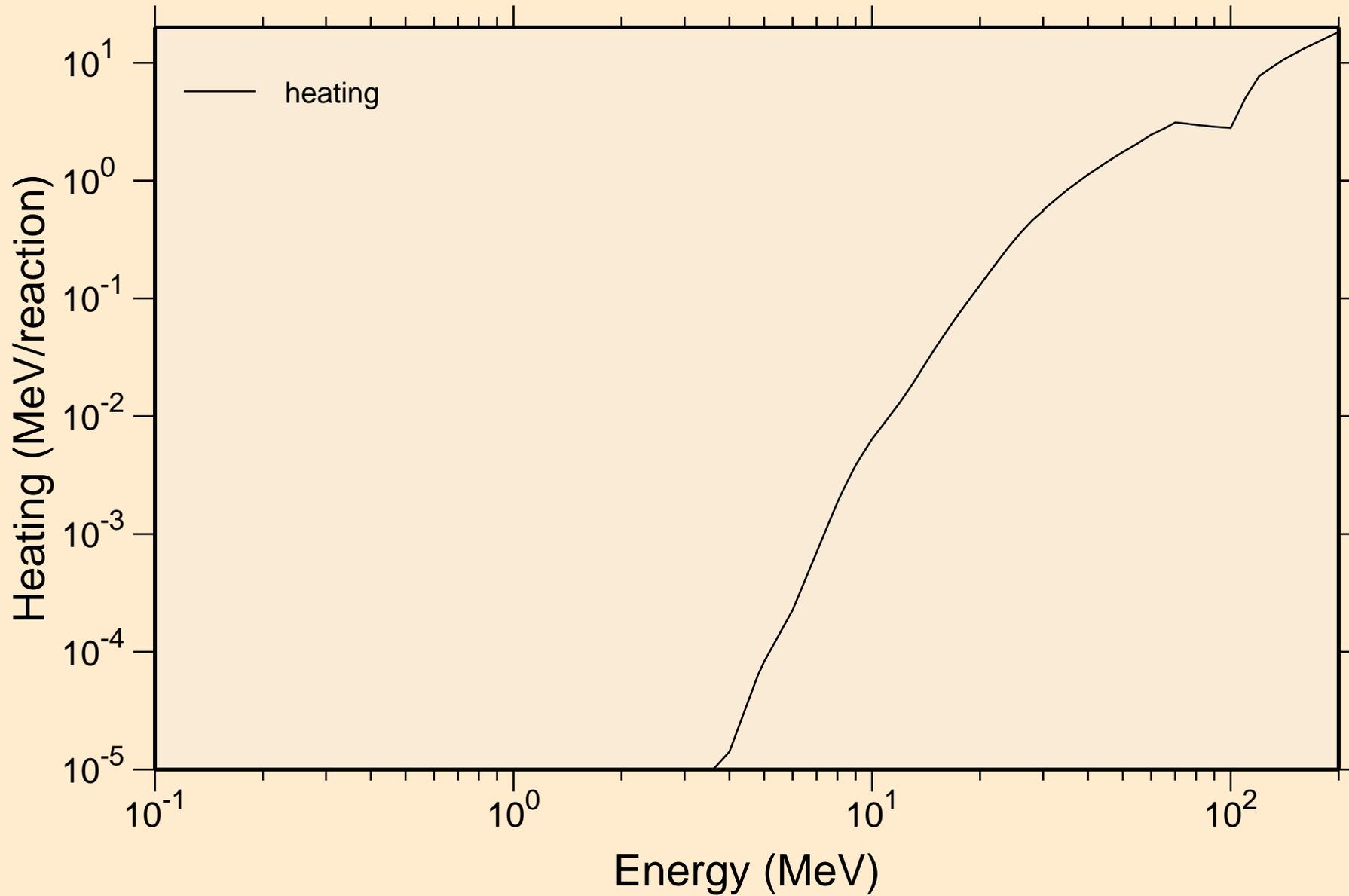


V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Principal cross sections



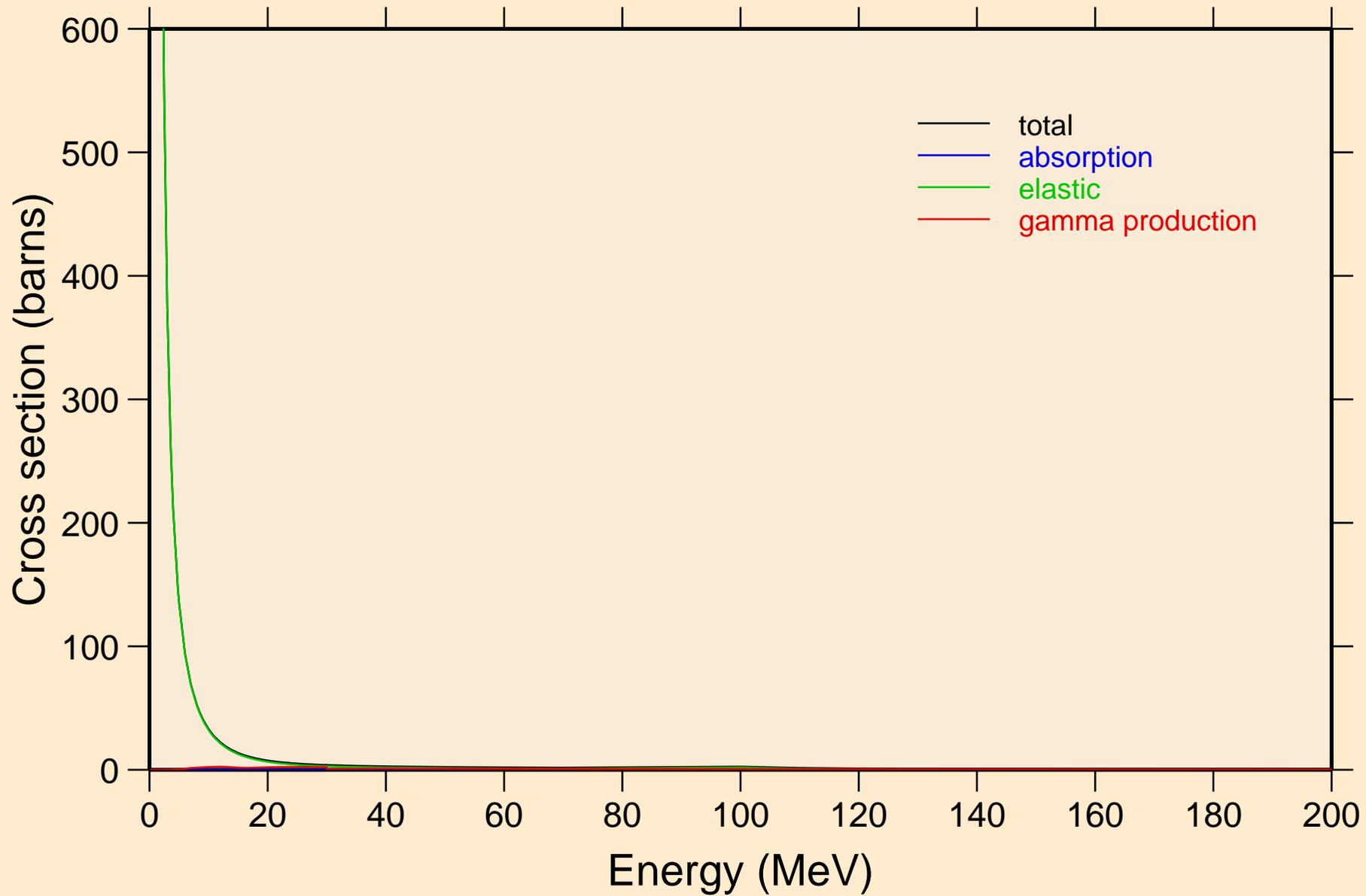
# V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Heating



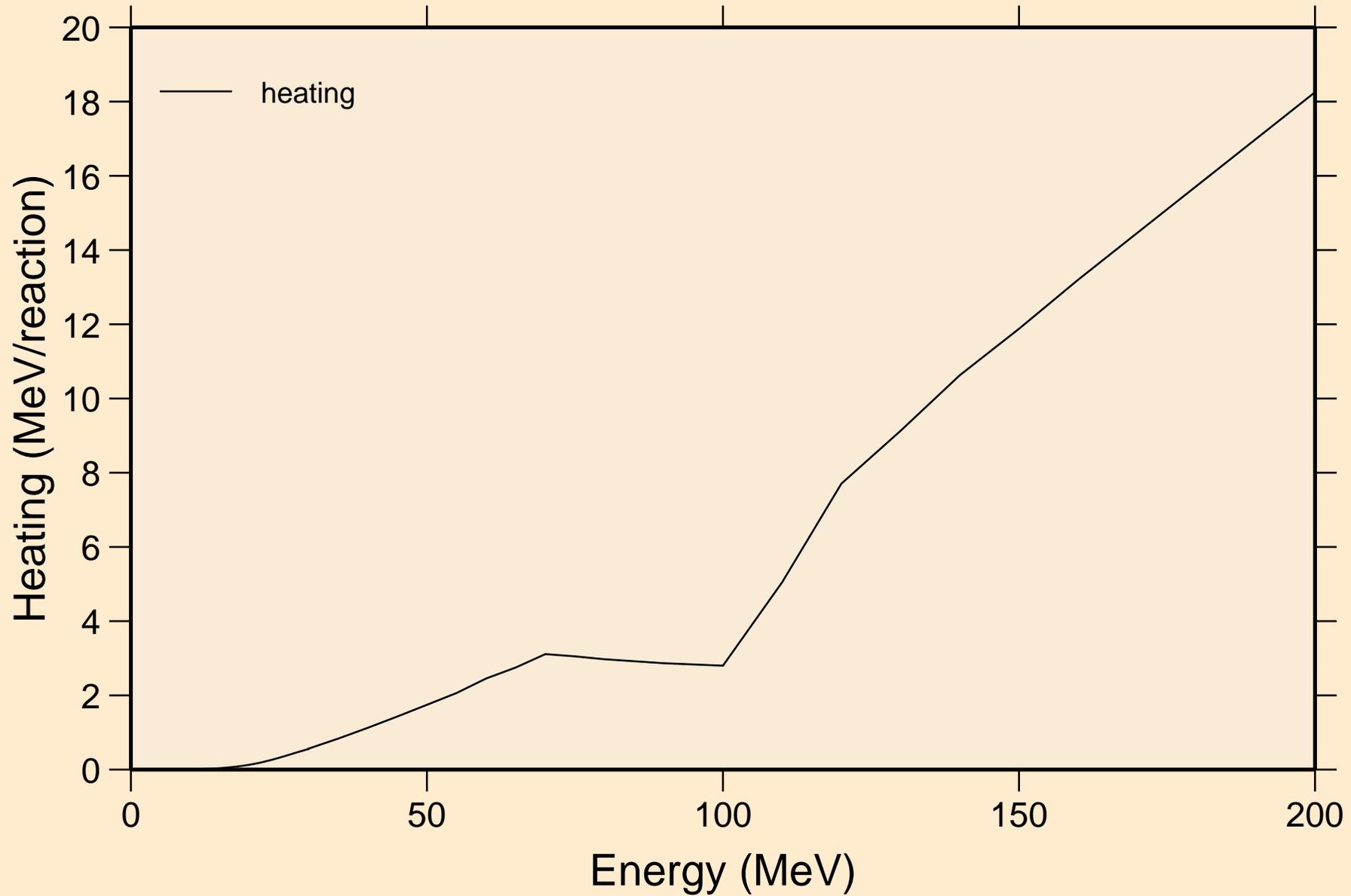
# V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections

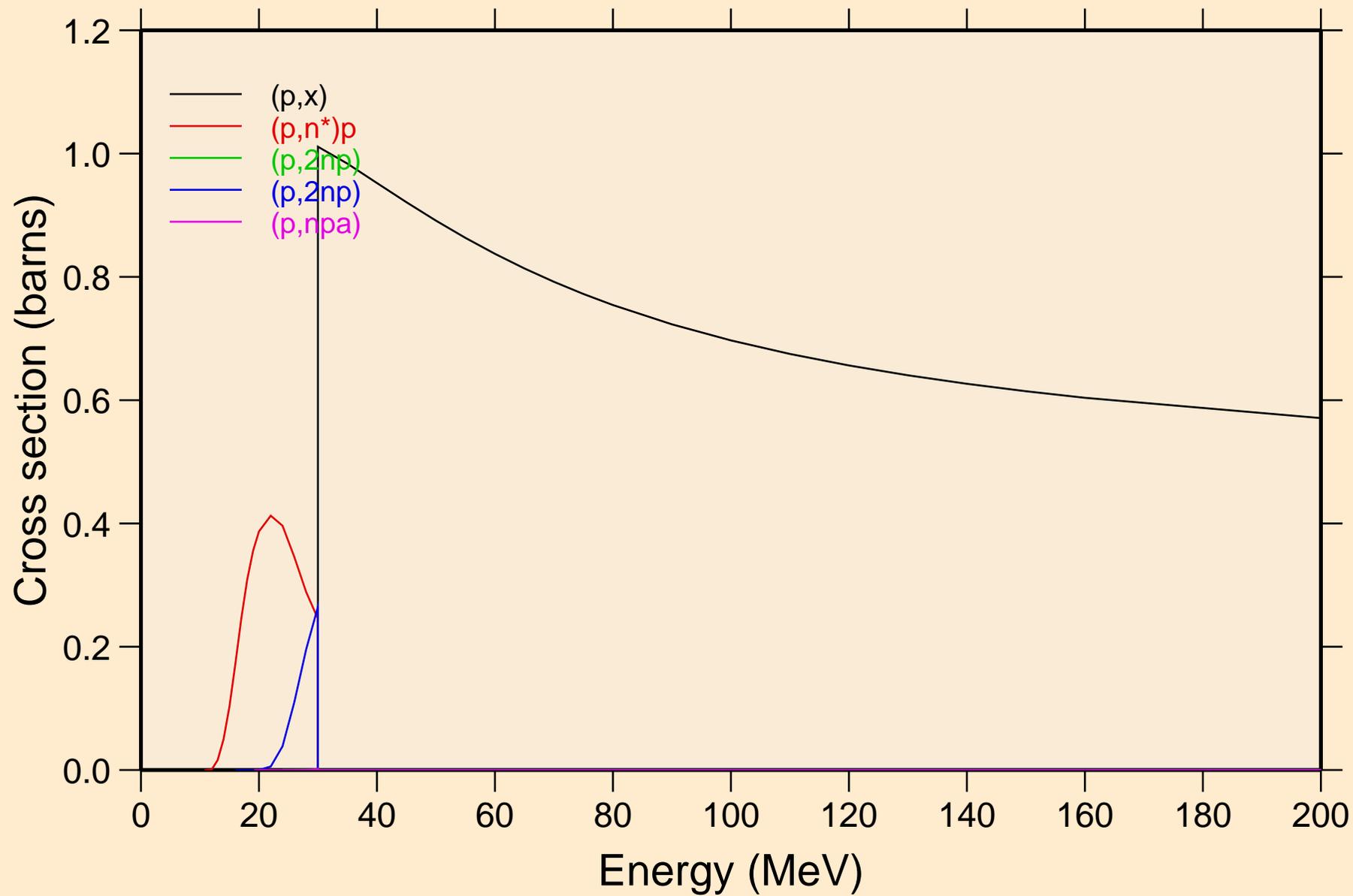


# V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K

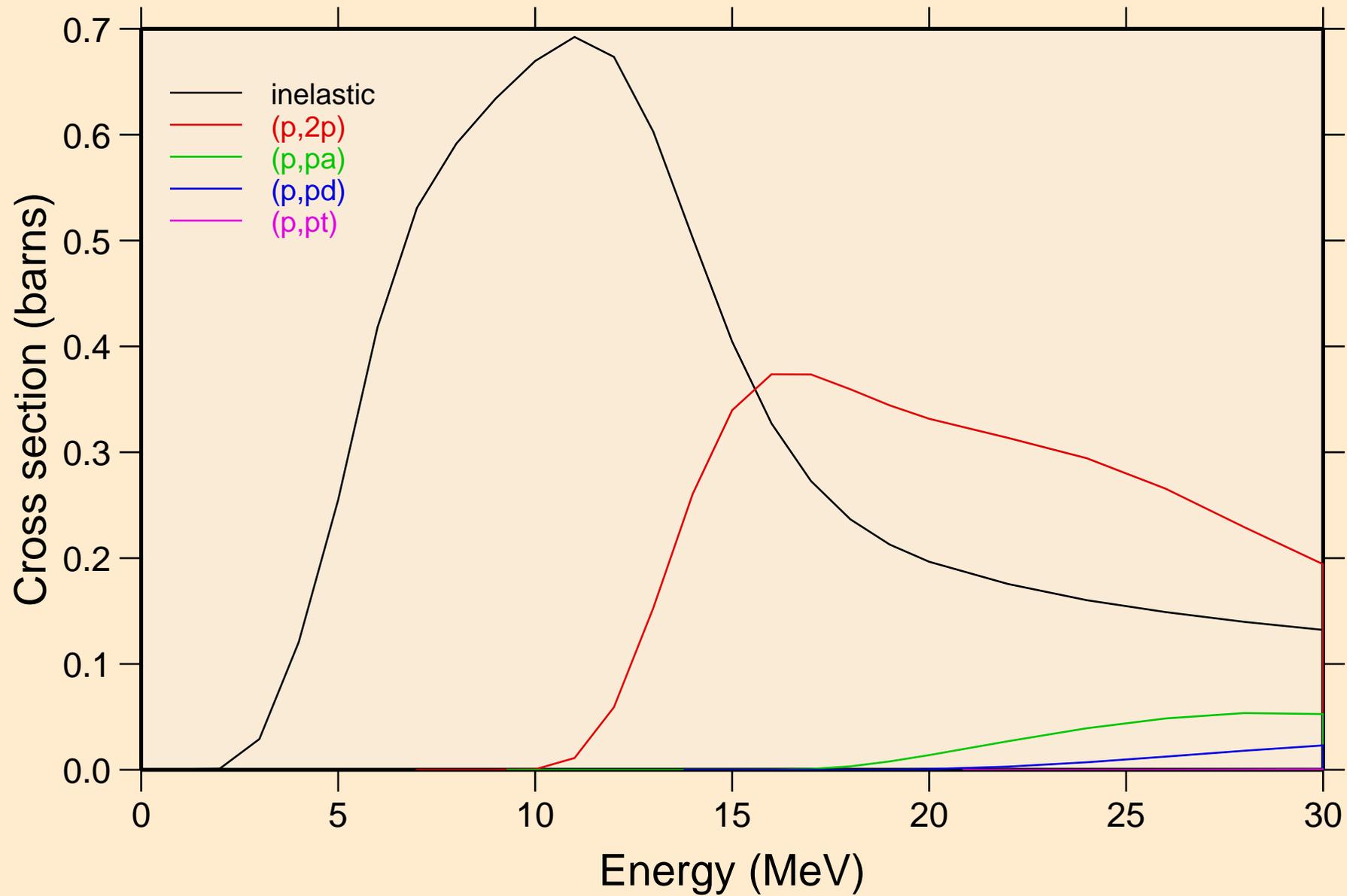
## Heating



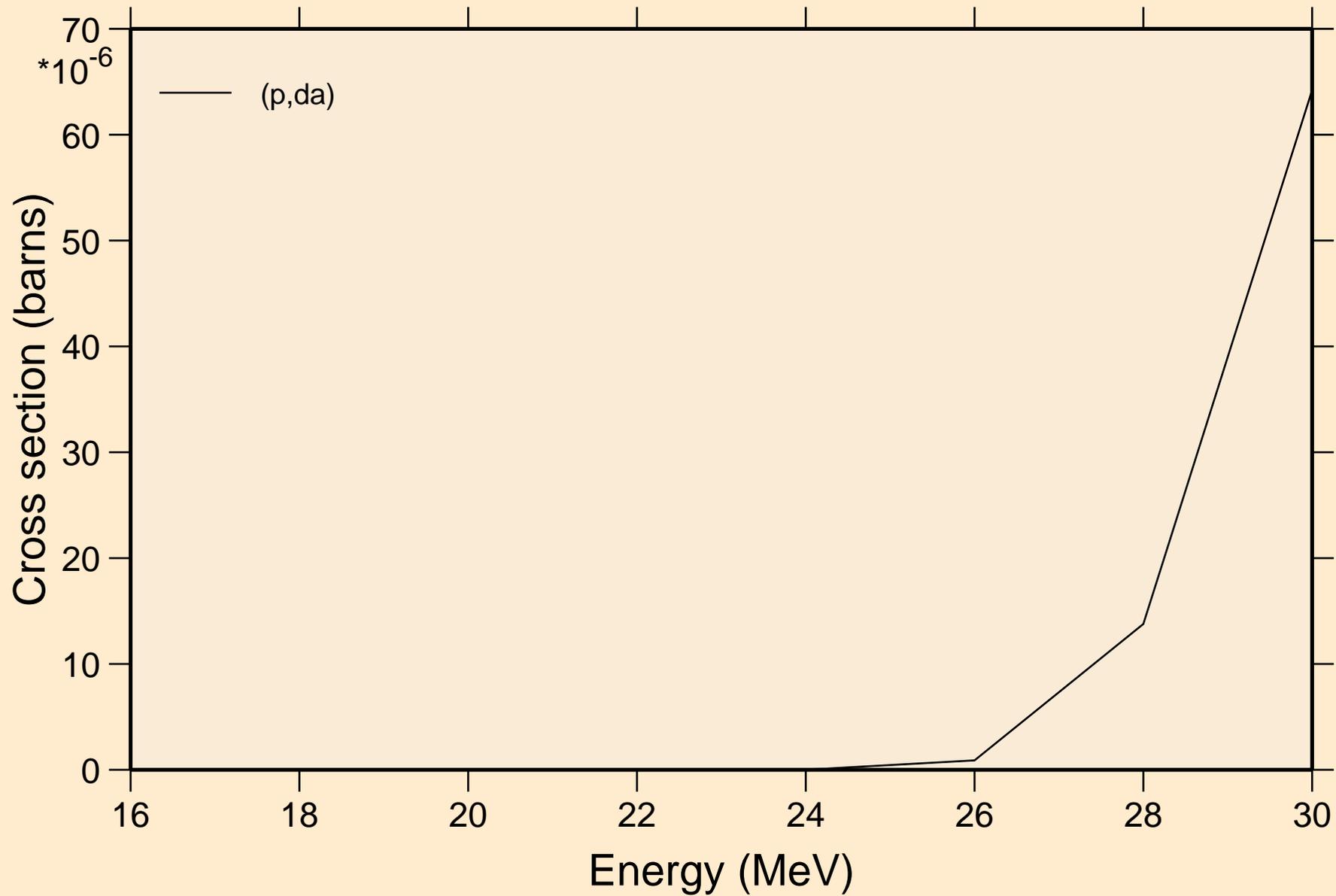
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



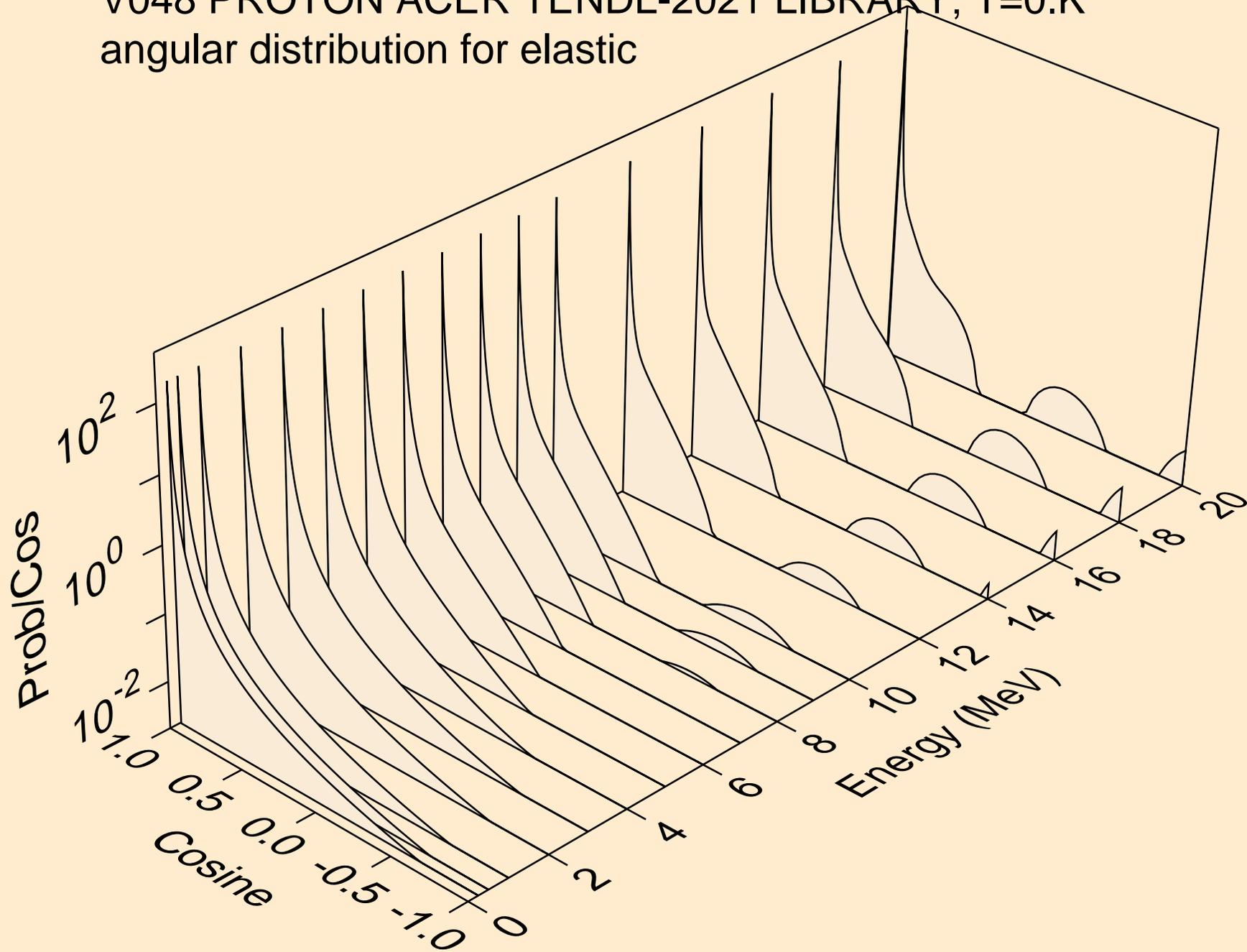
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



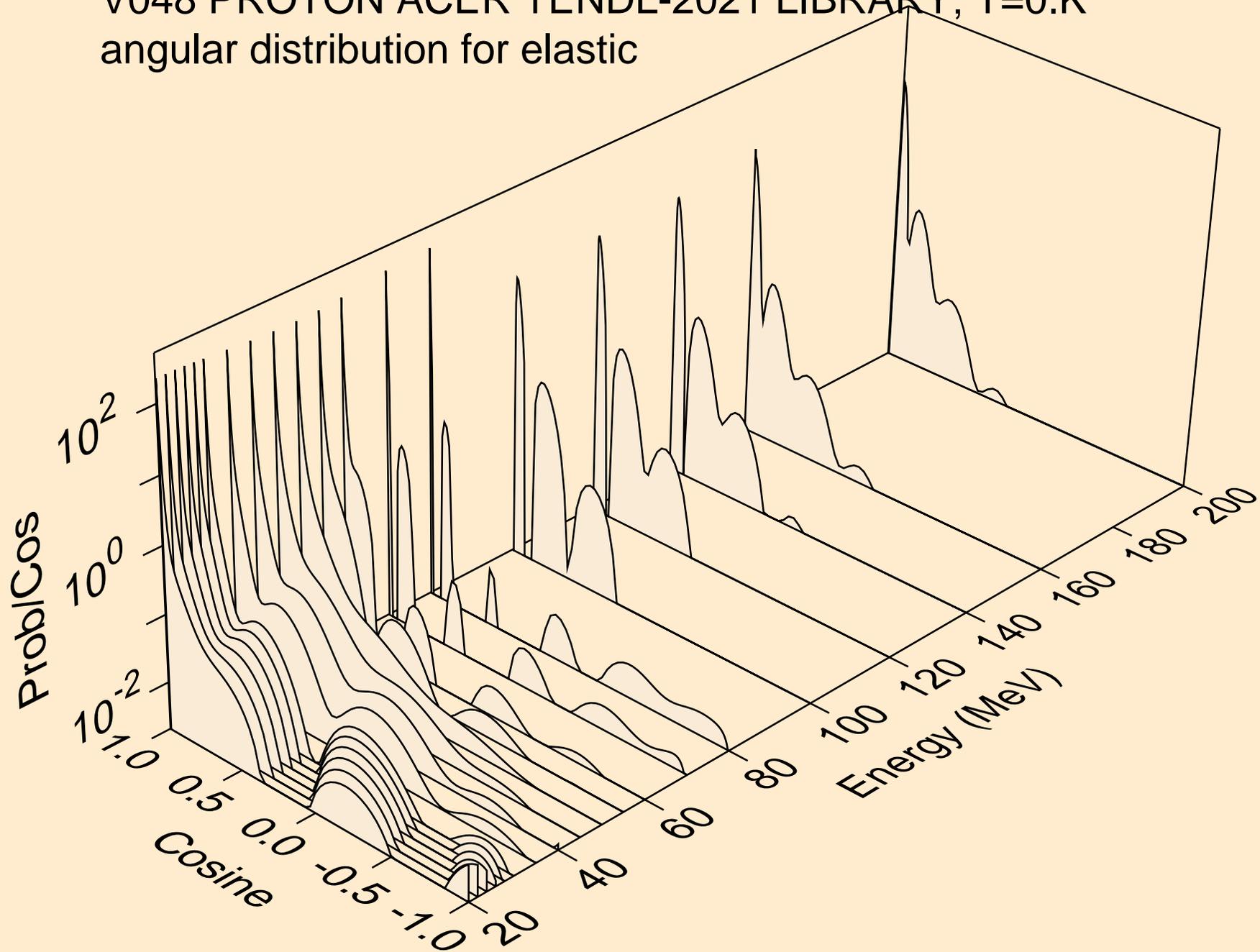
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



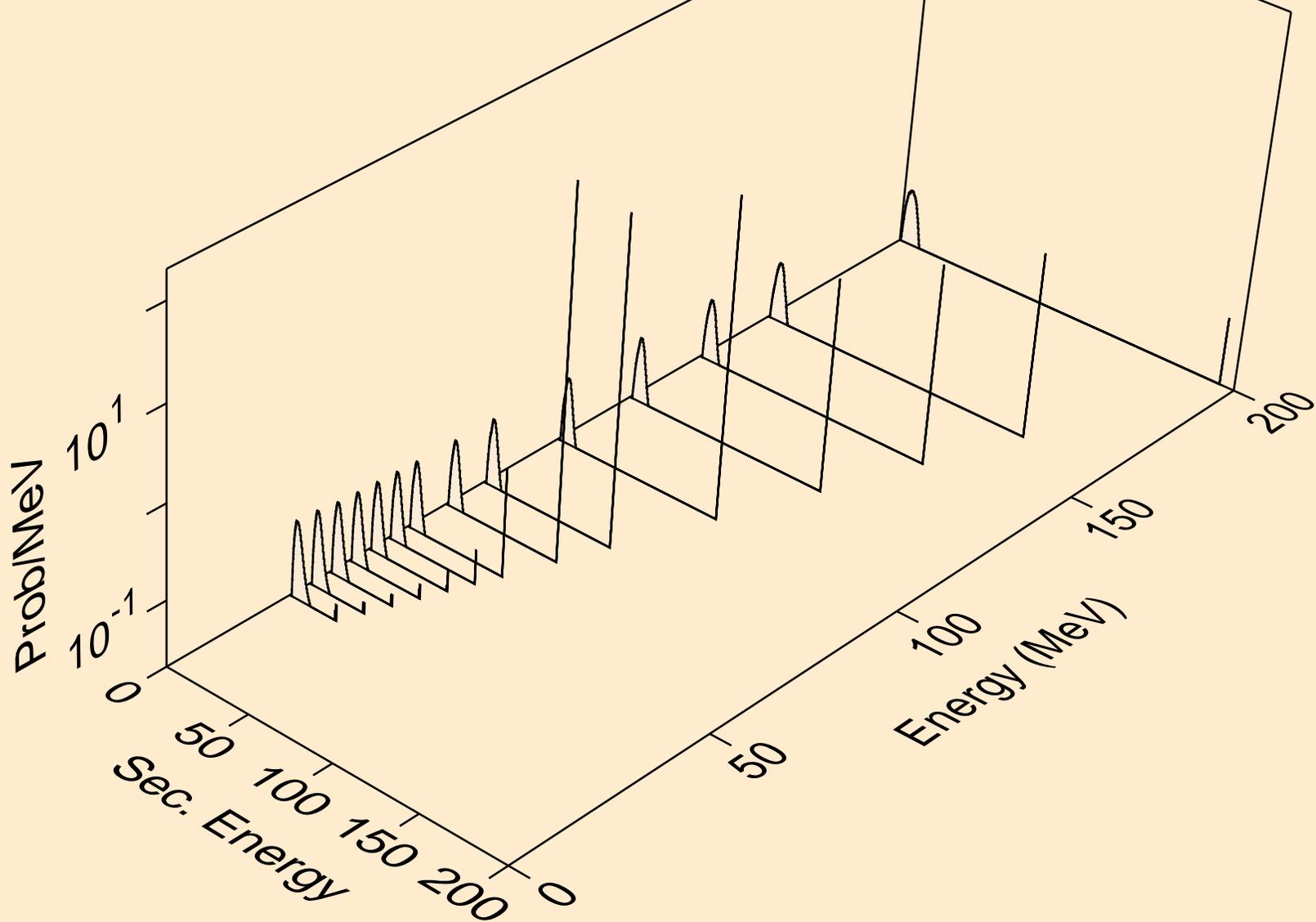
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



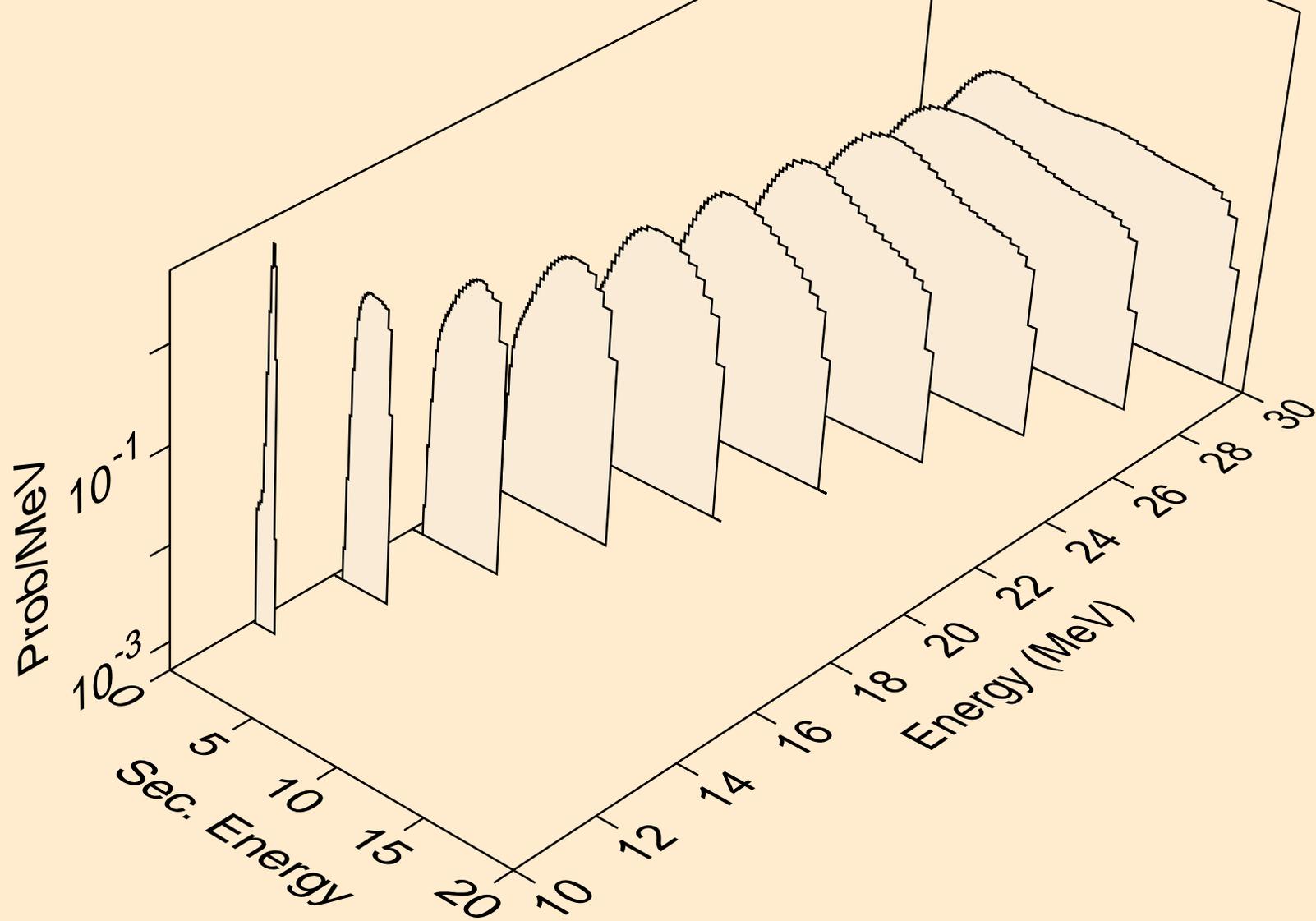
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



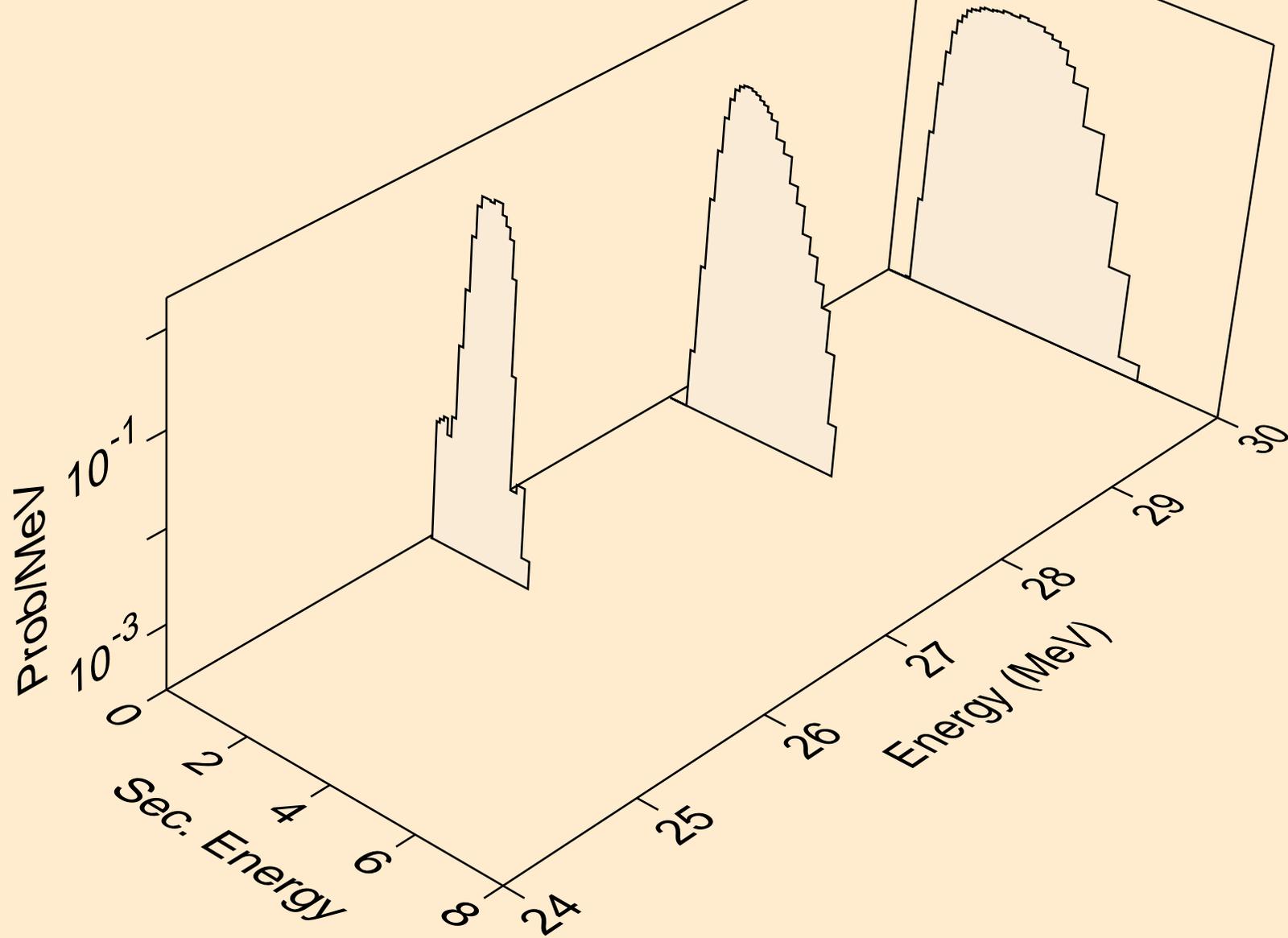
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,x)



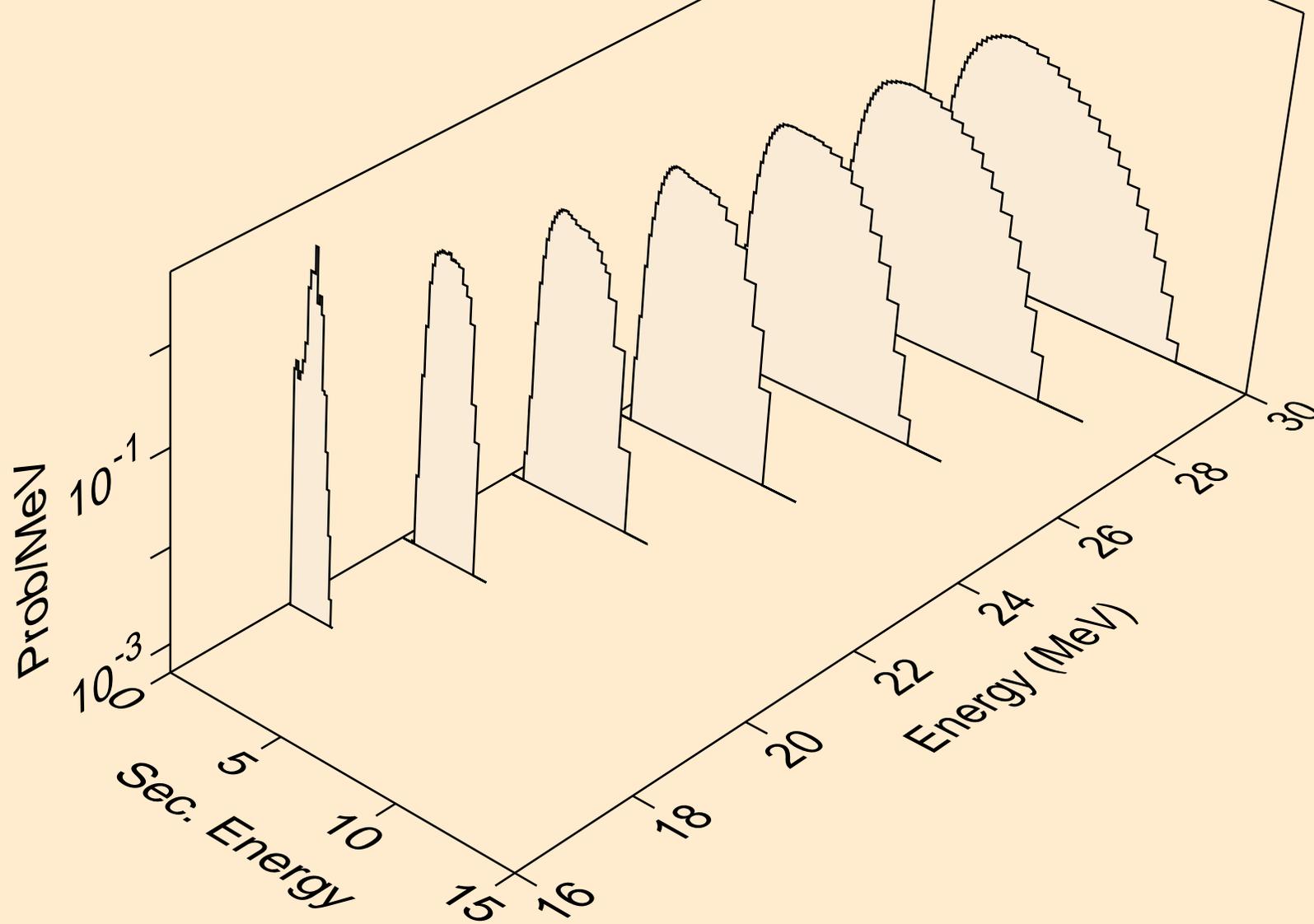
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



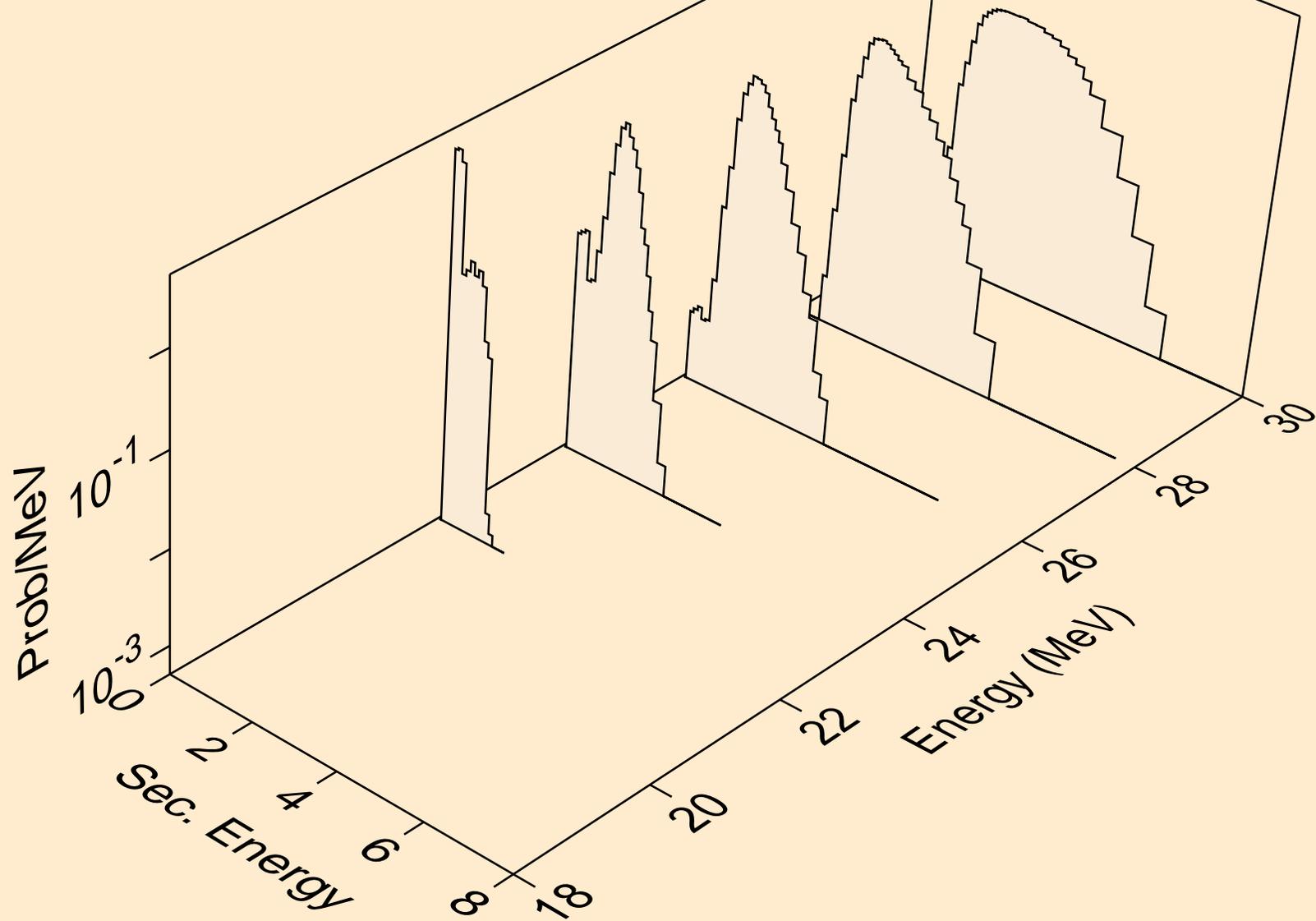
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)



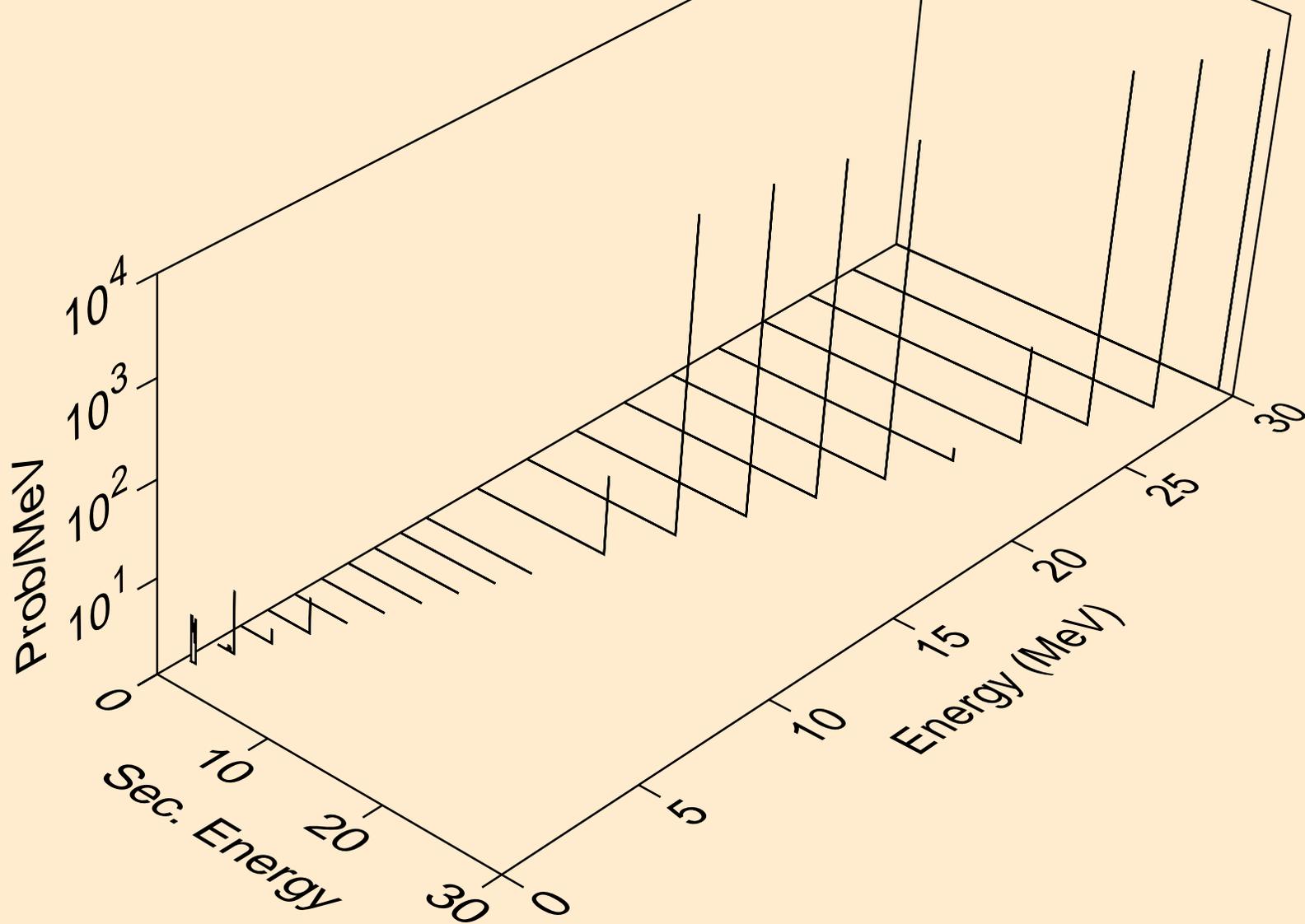
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)



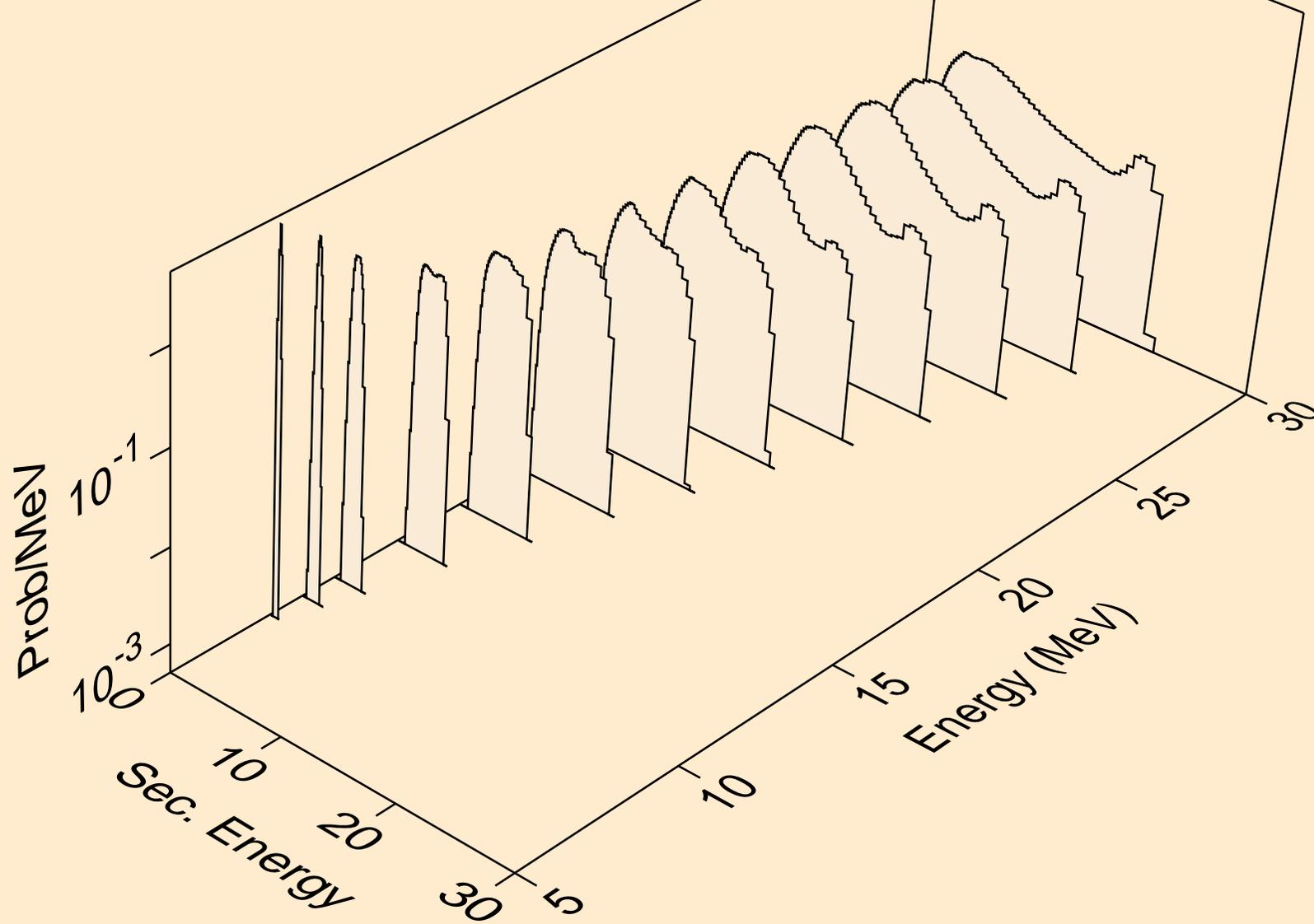
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,npa)



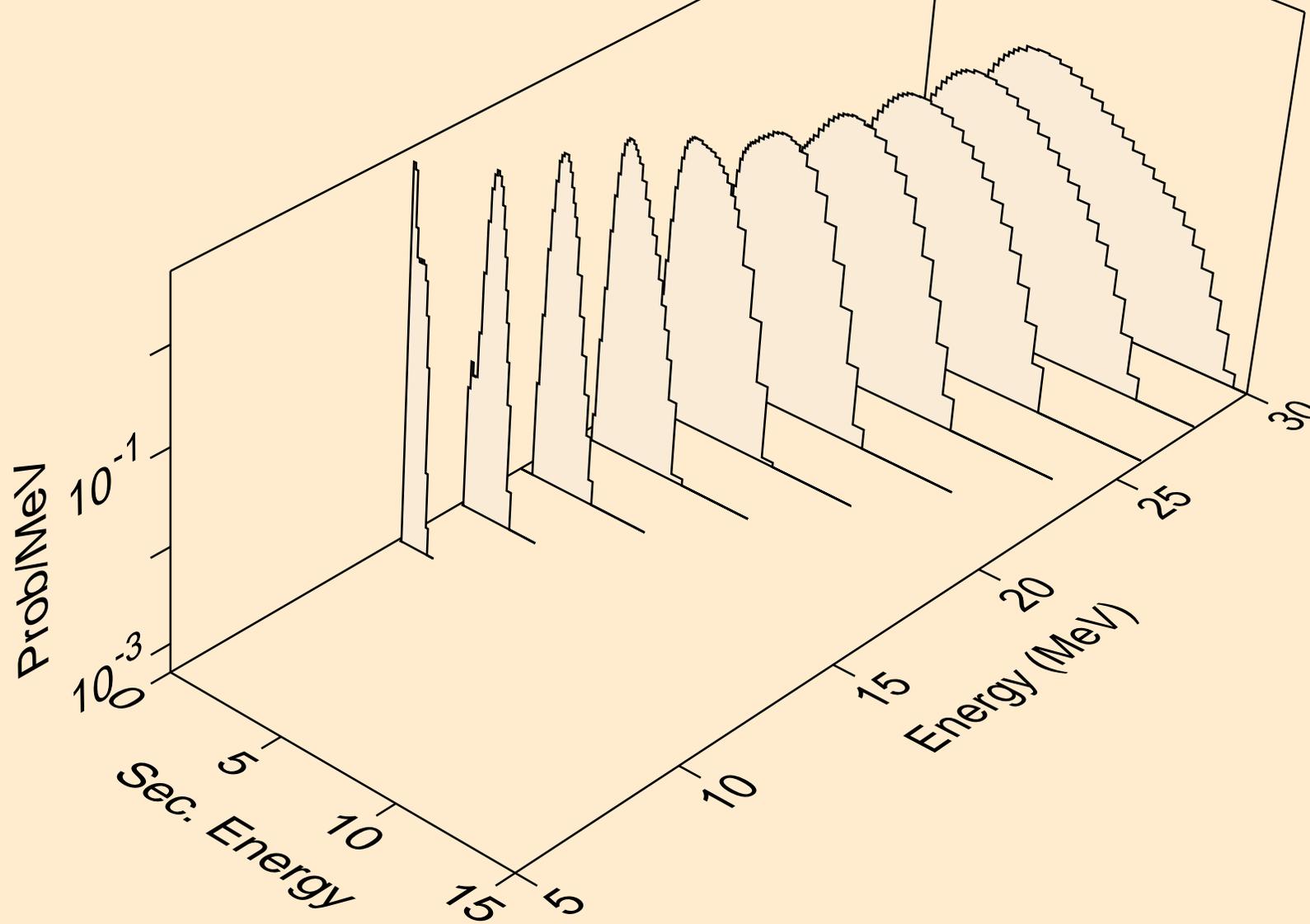
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for inelastic



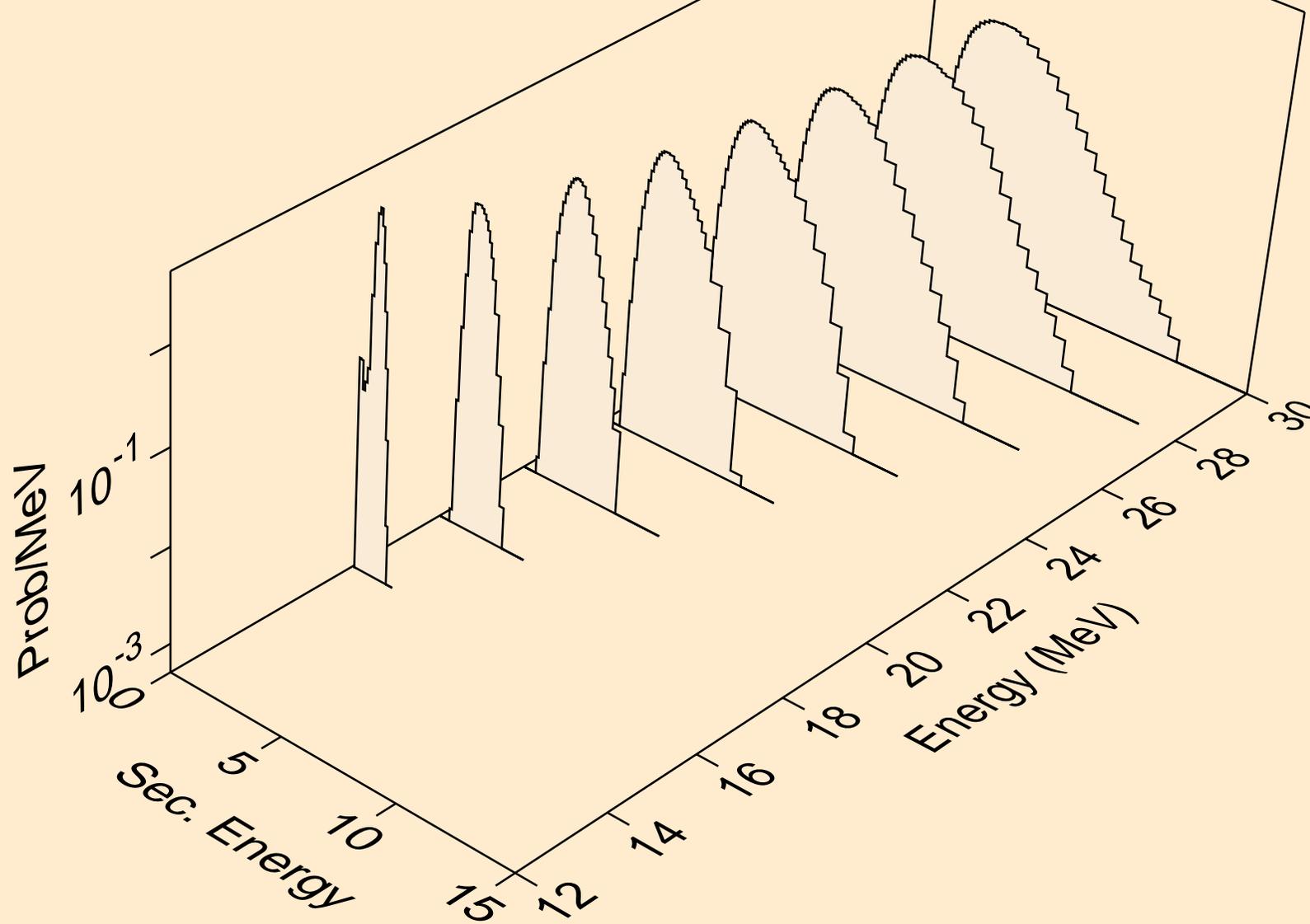
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2p)



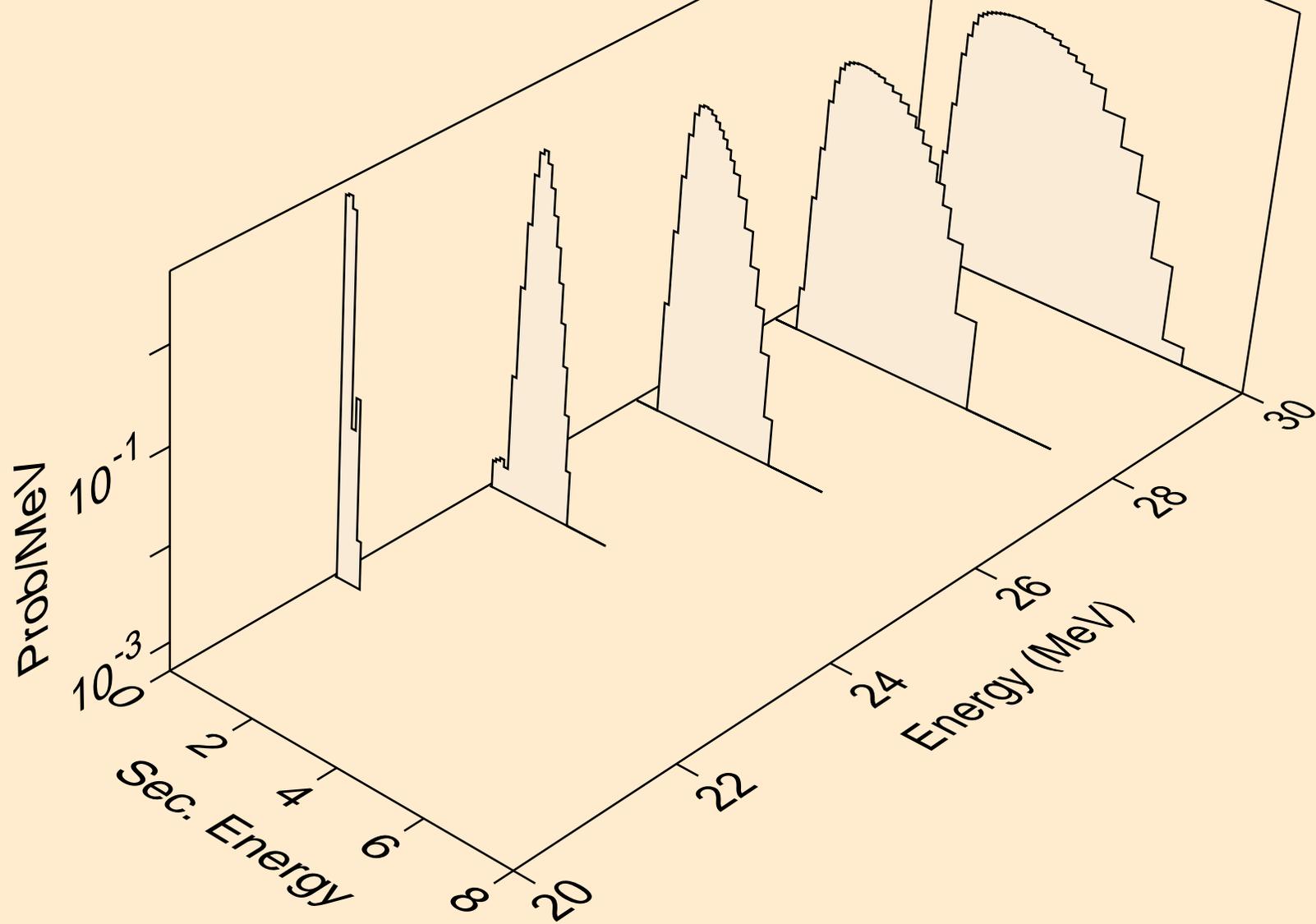
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pa)



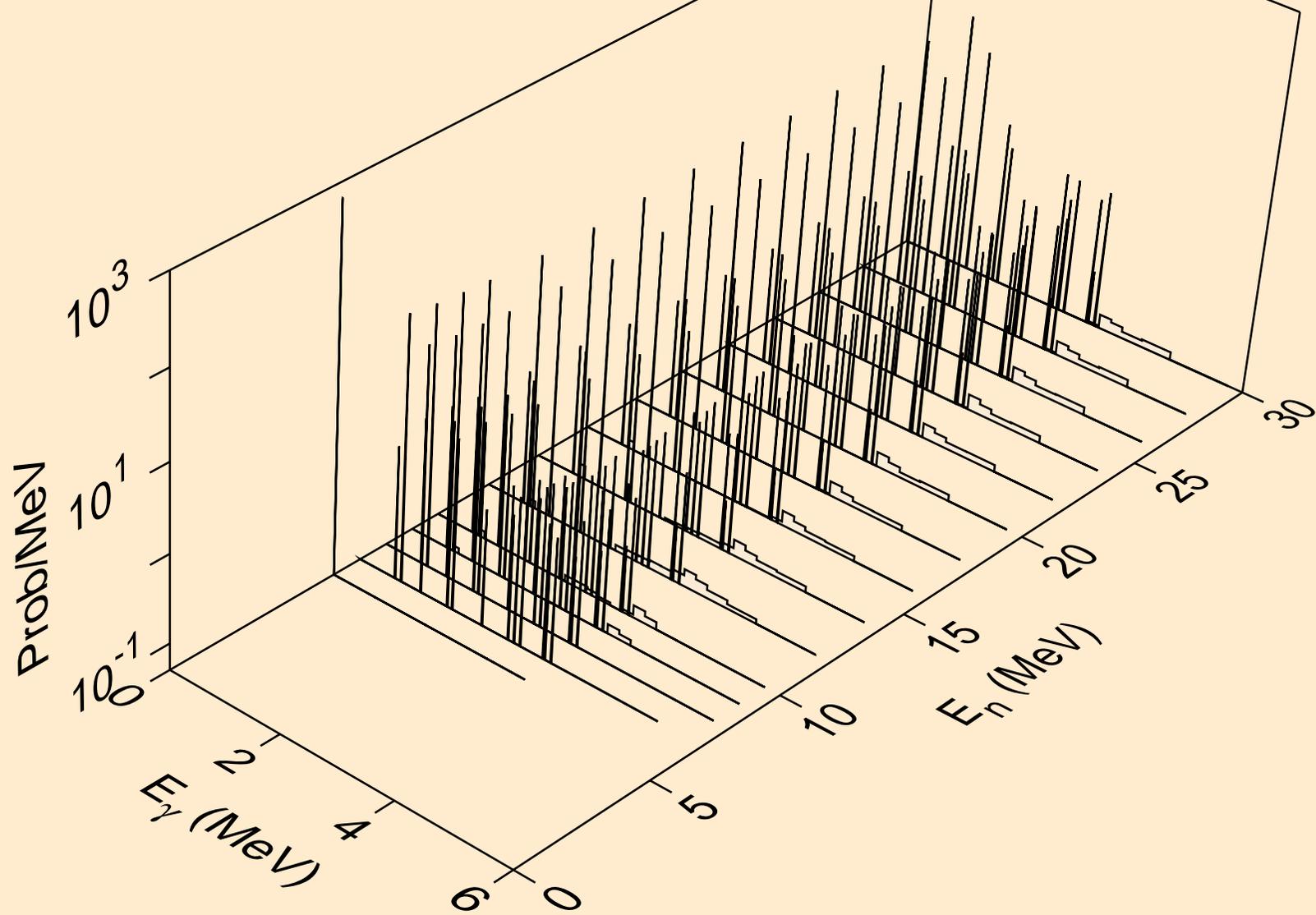
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pd)



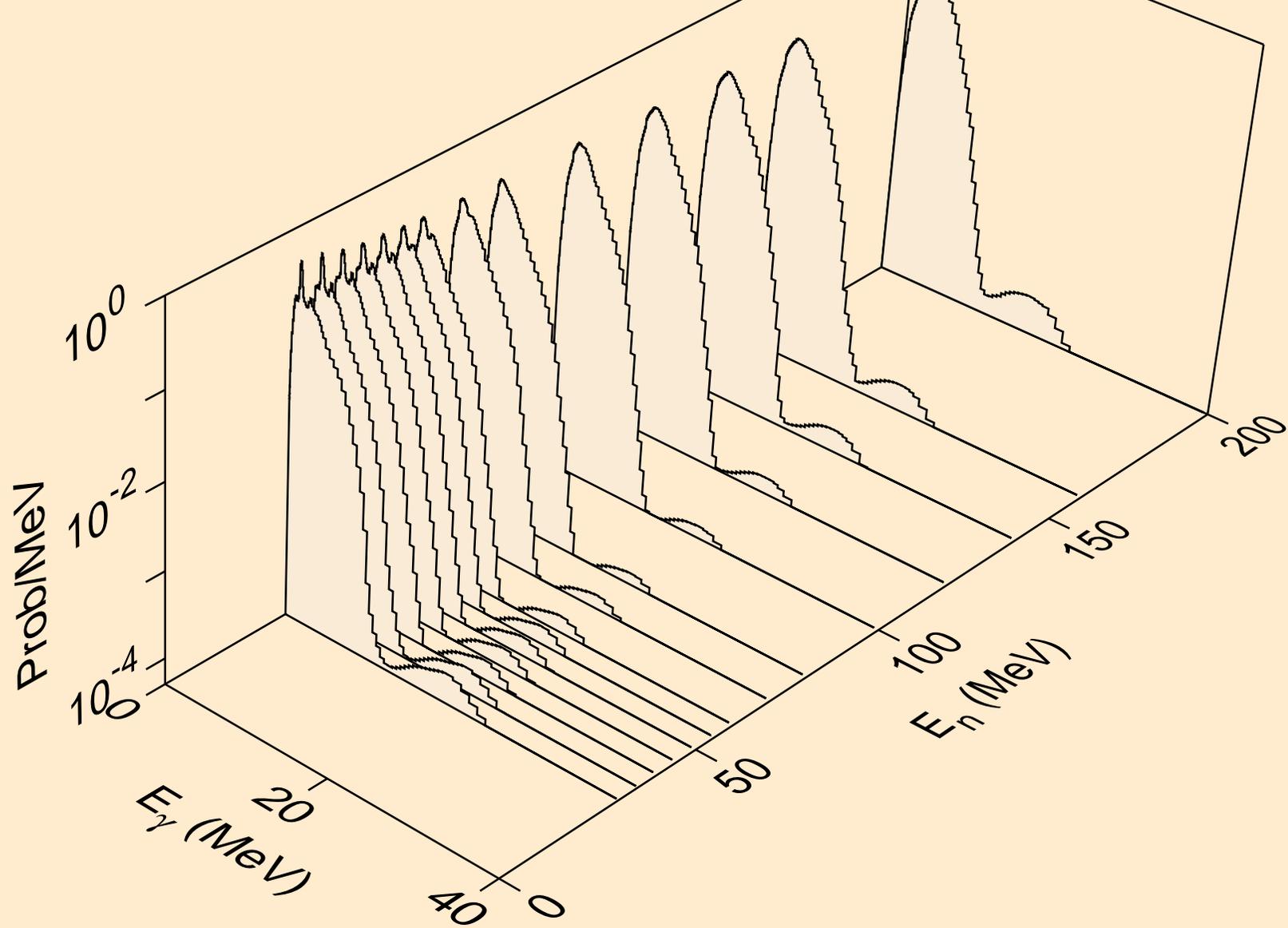
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pt)



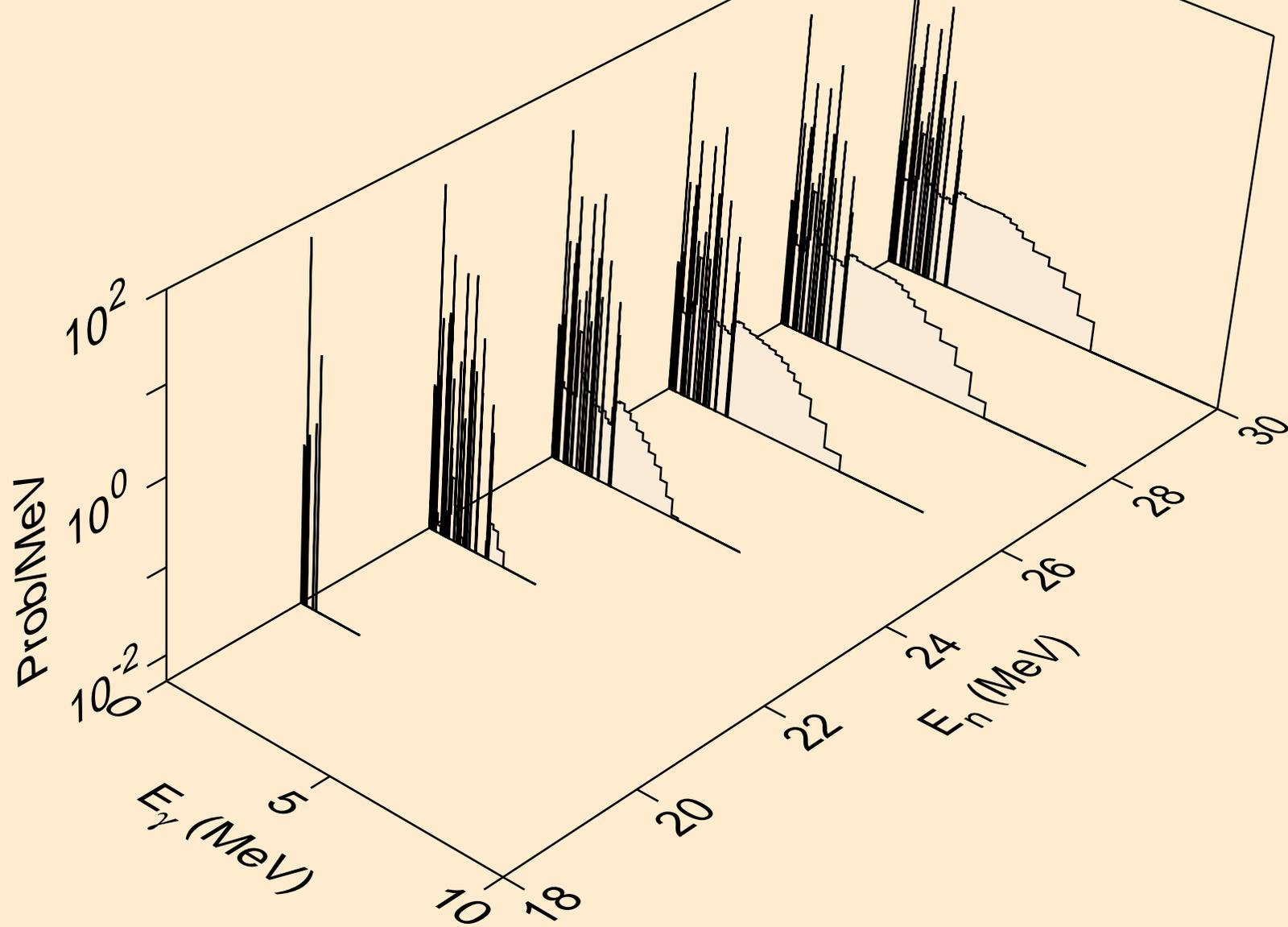
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)



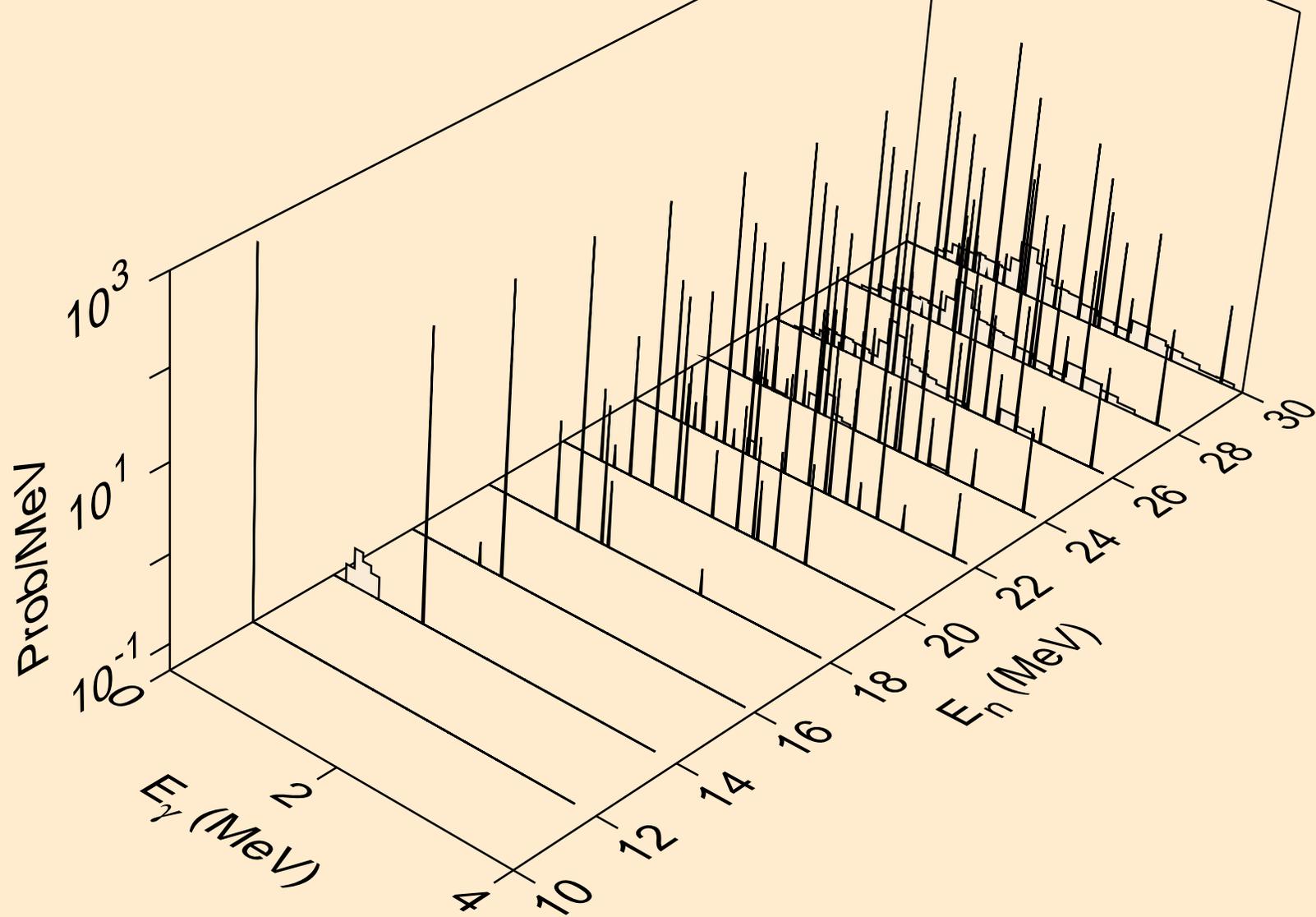
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



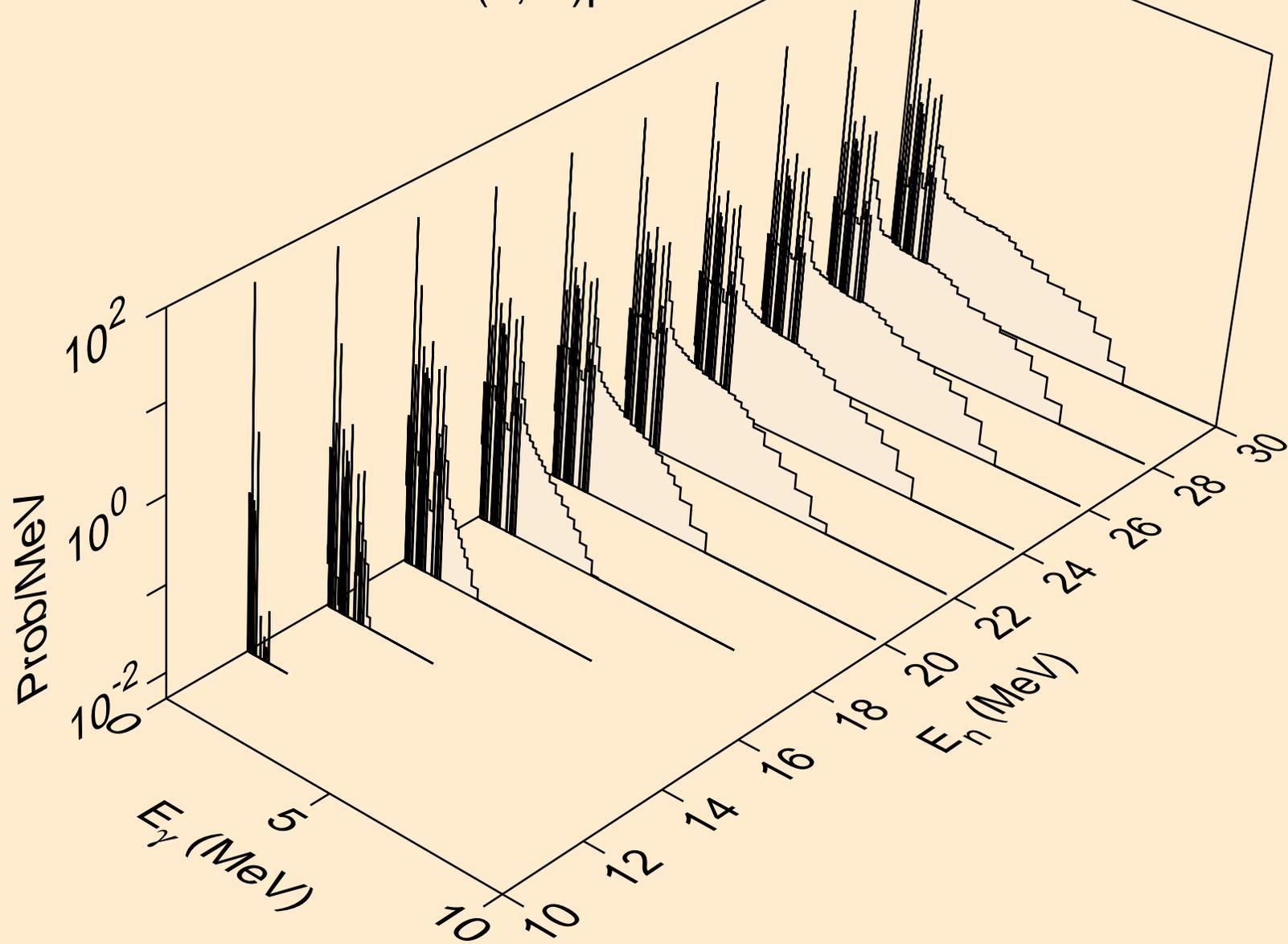
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)



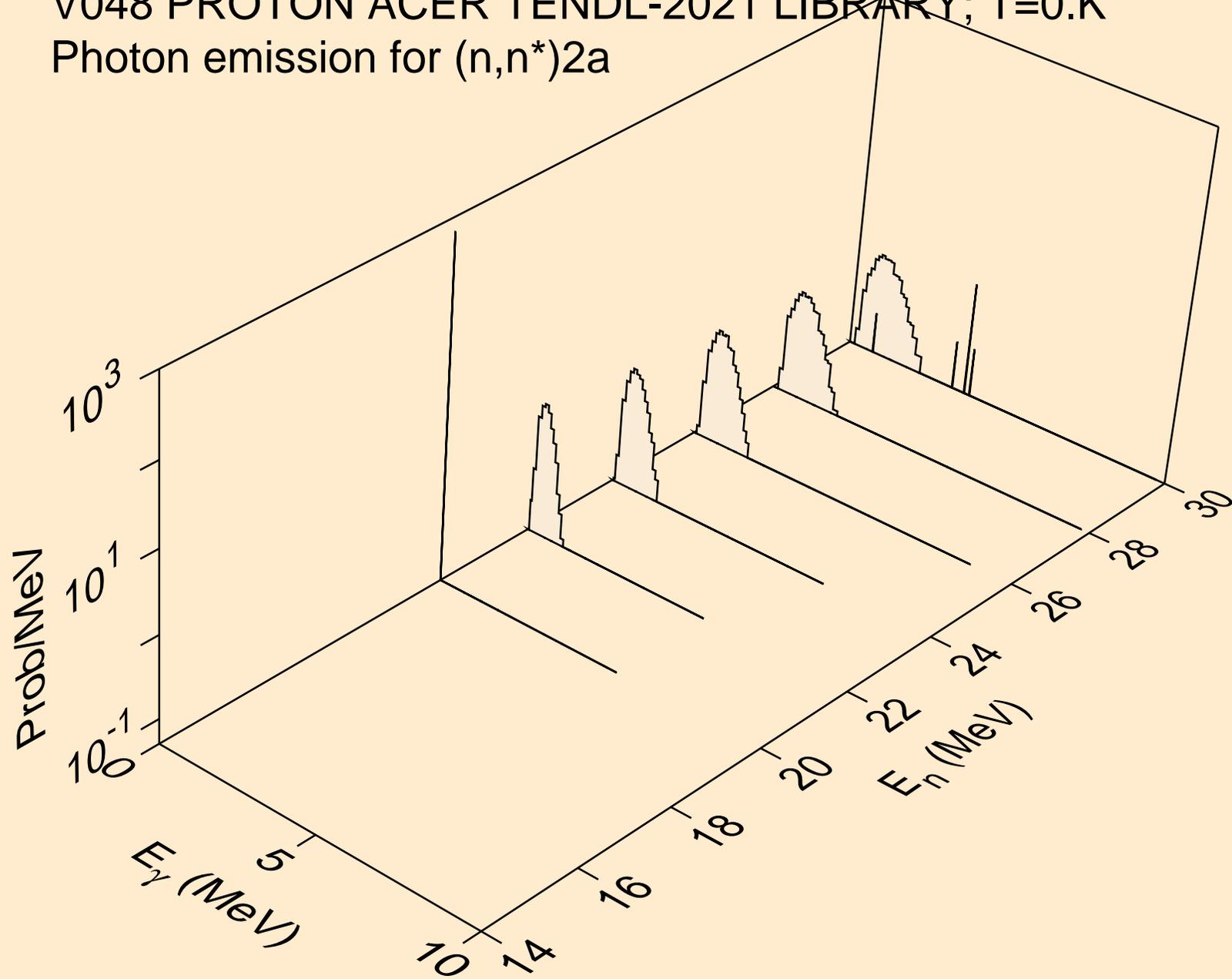
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



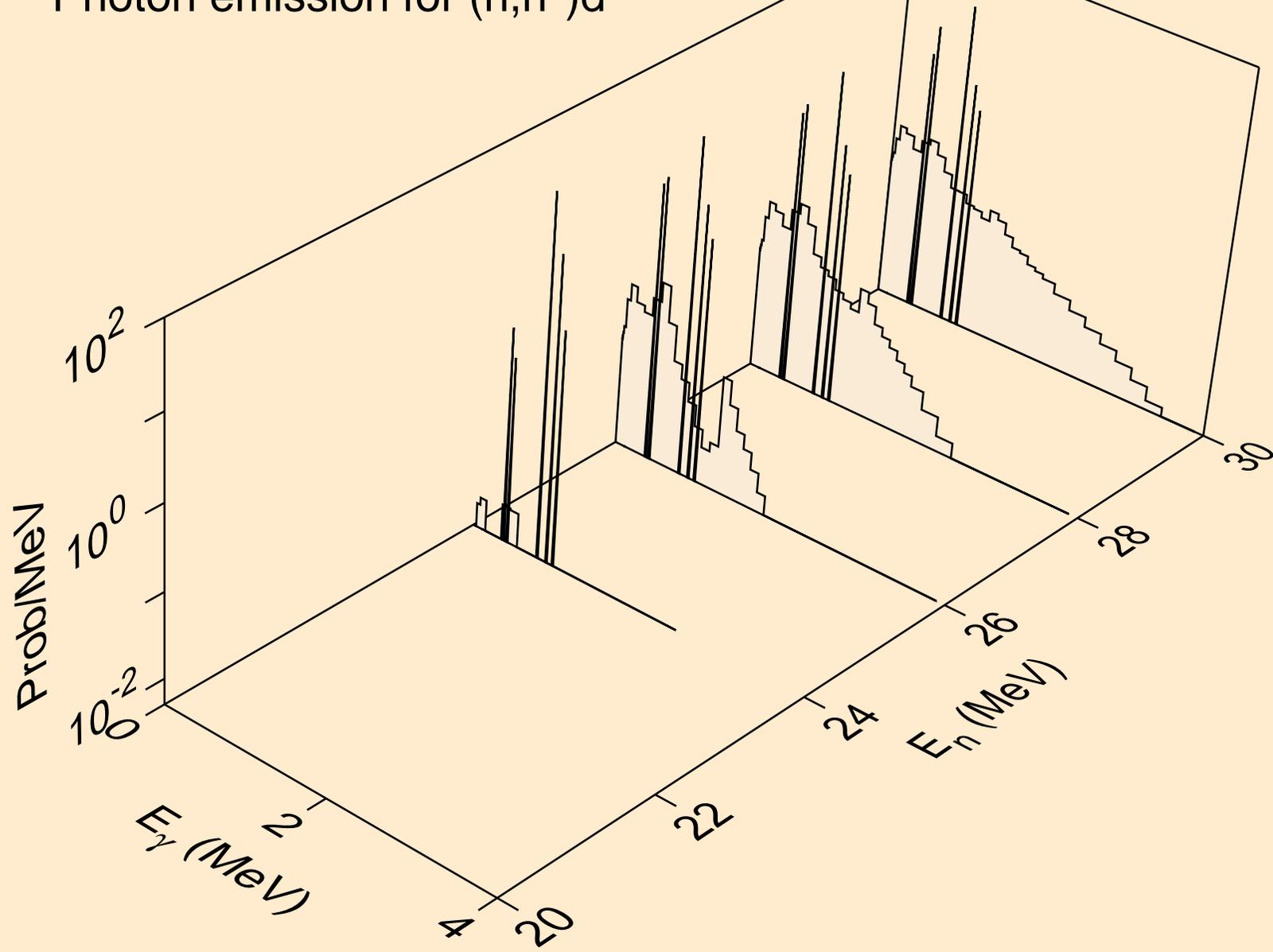
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



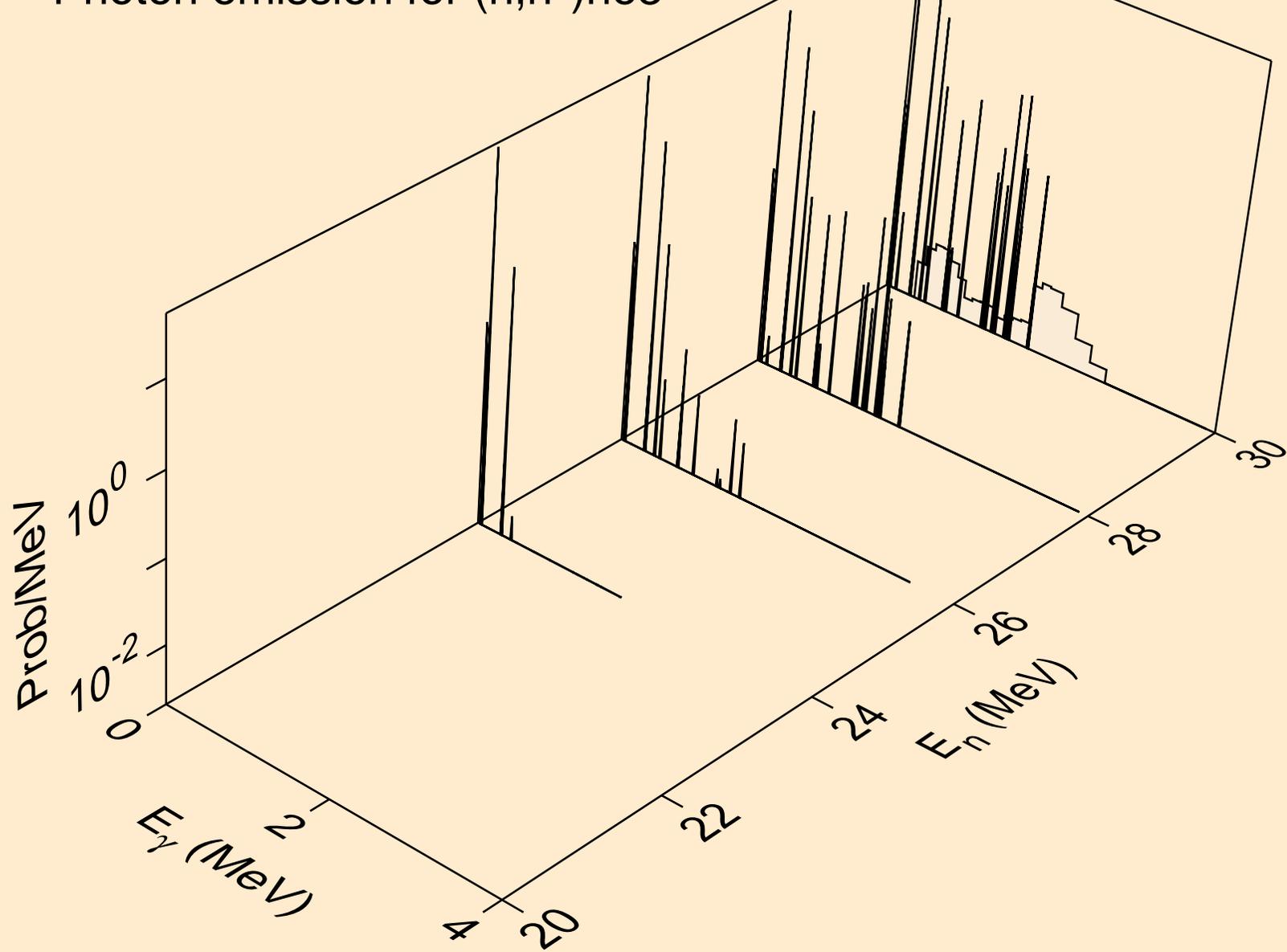
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



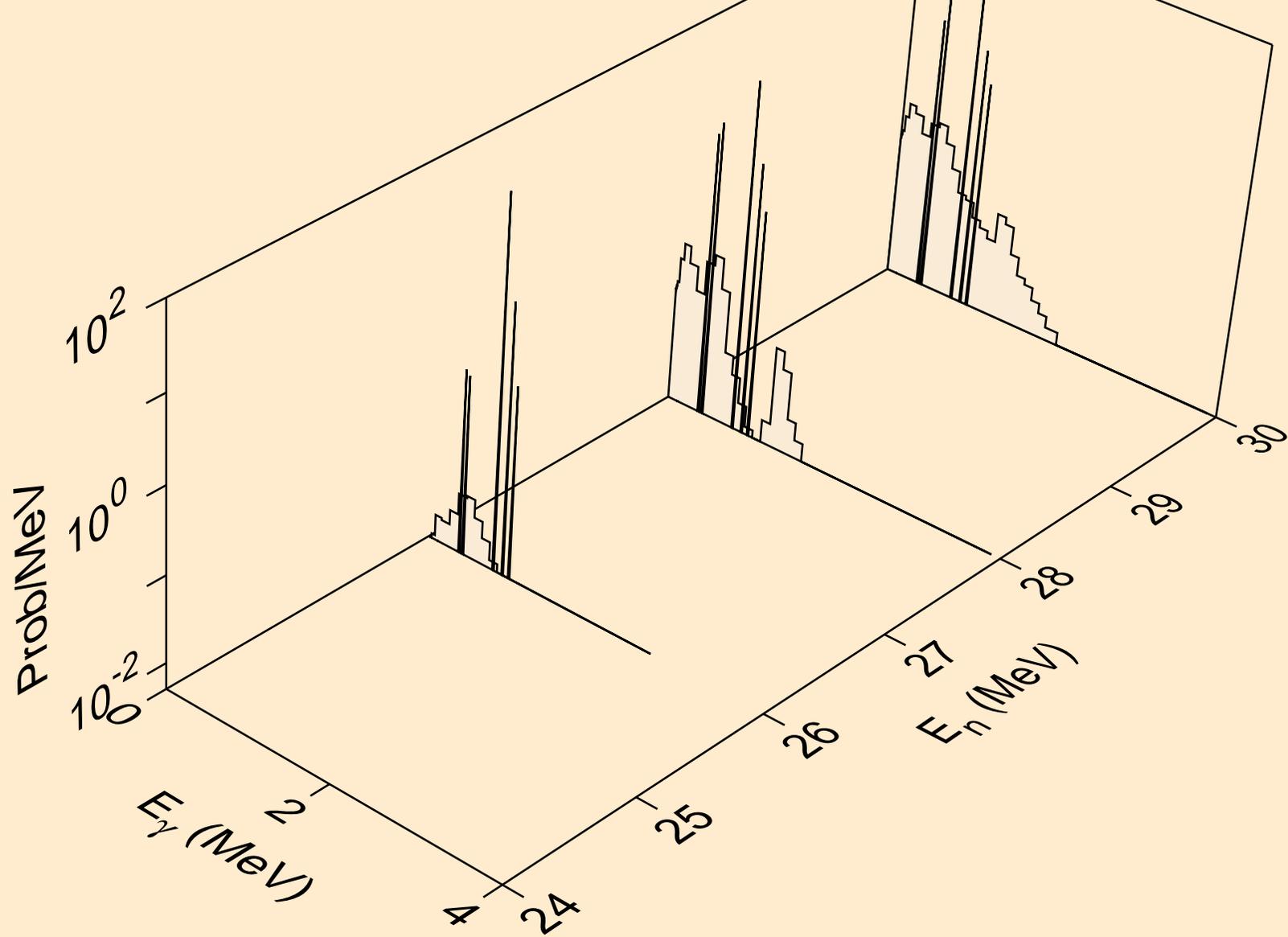
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



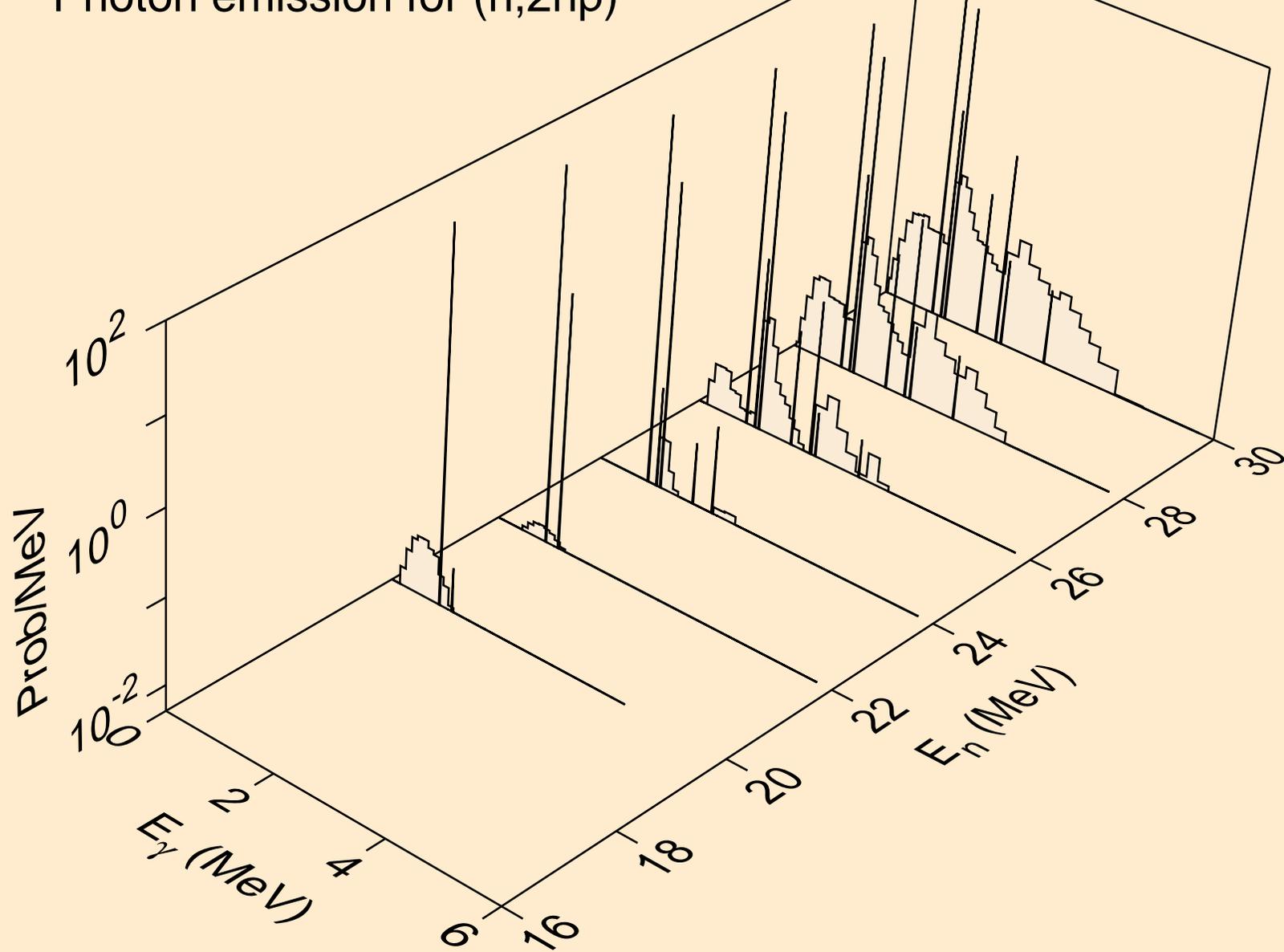
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



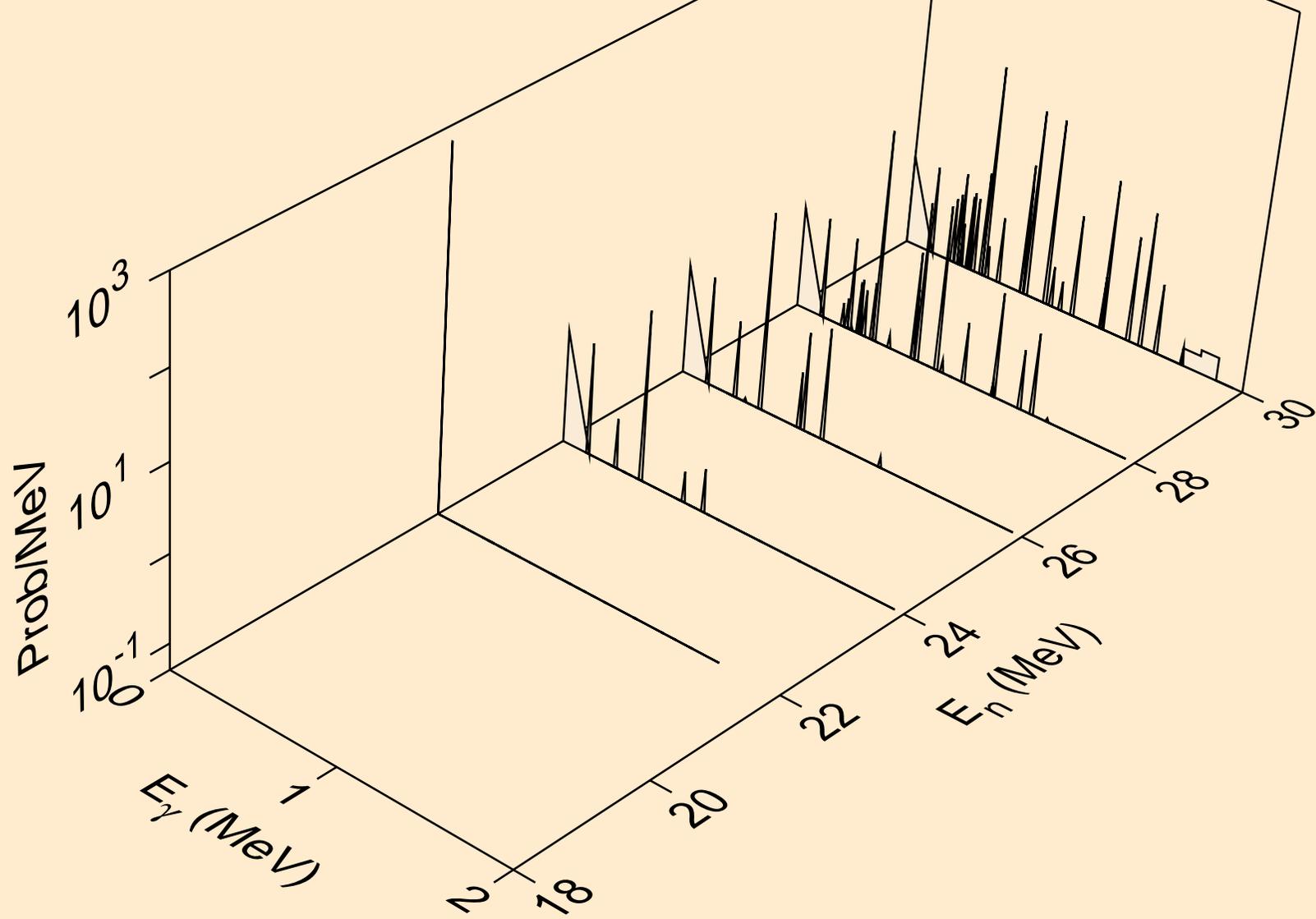
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



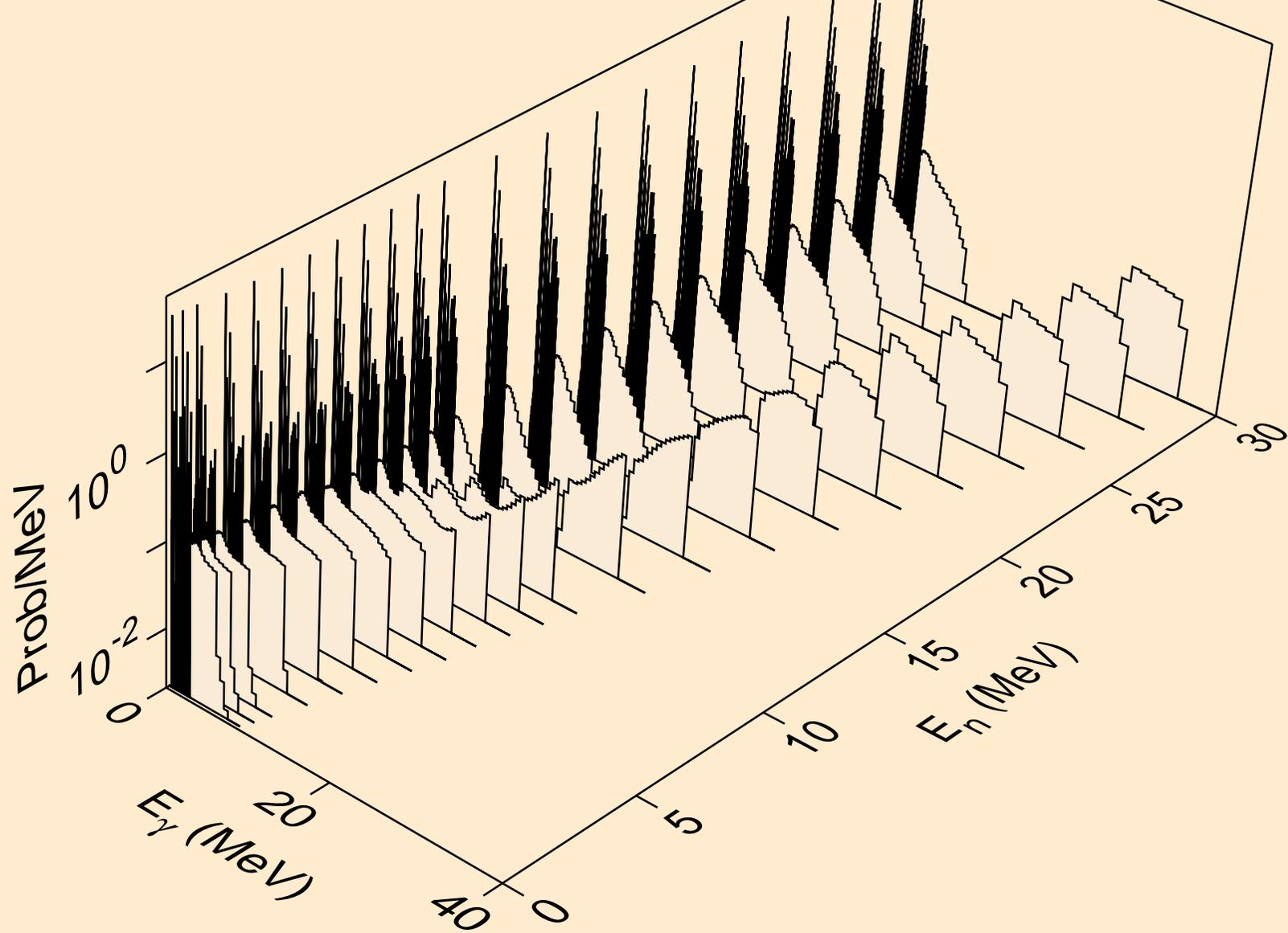
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



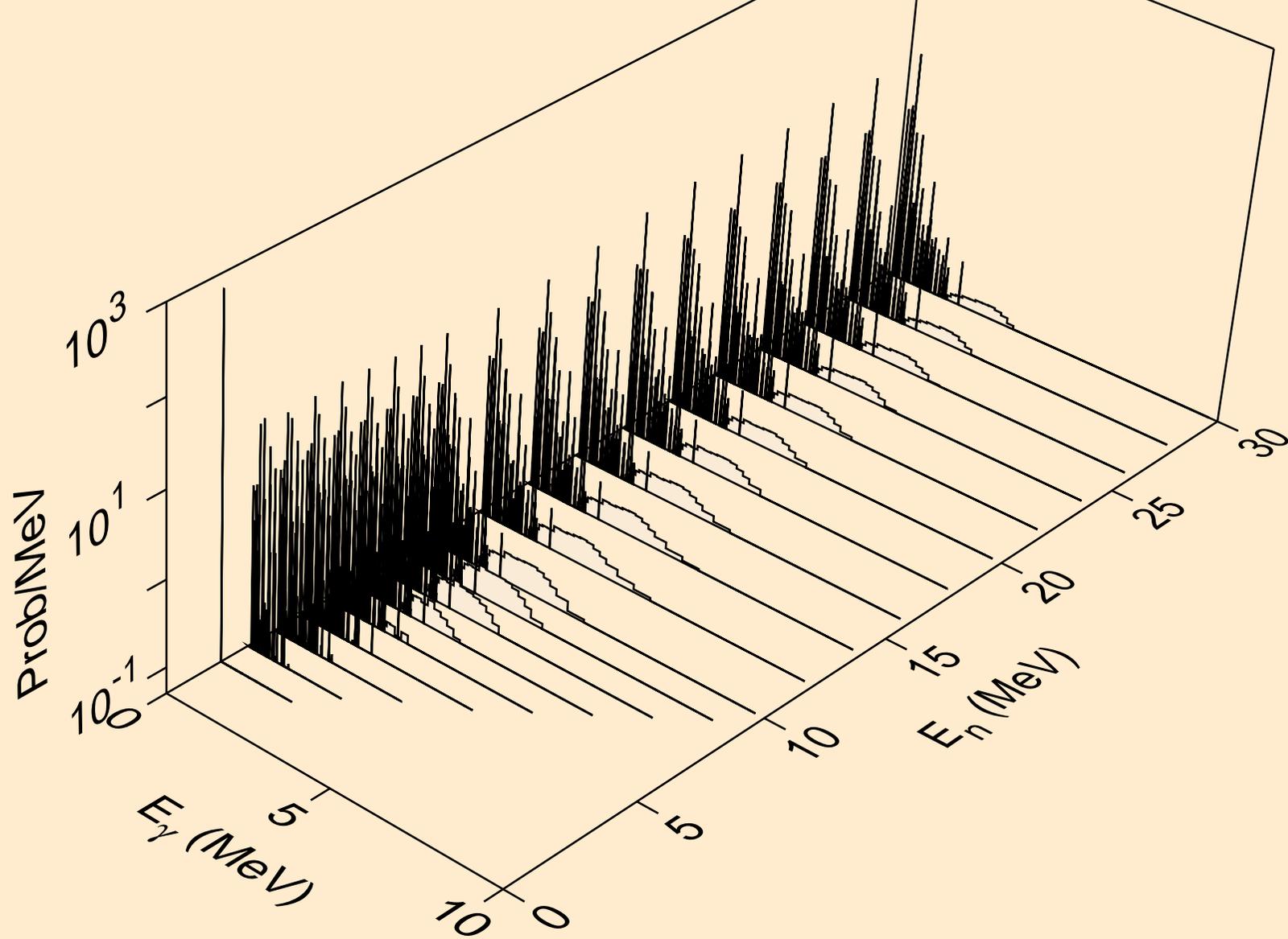
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,npa)



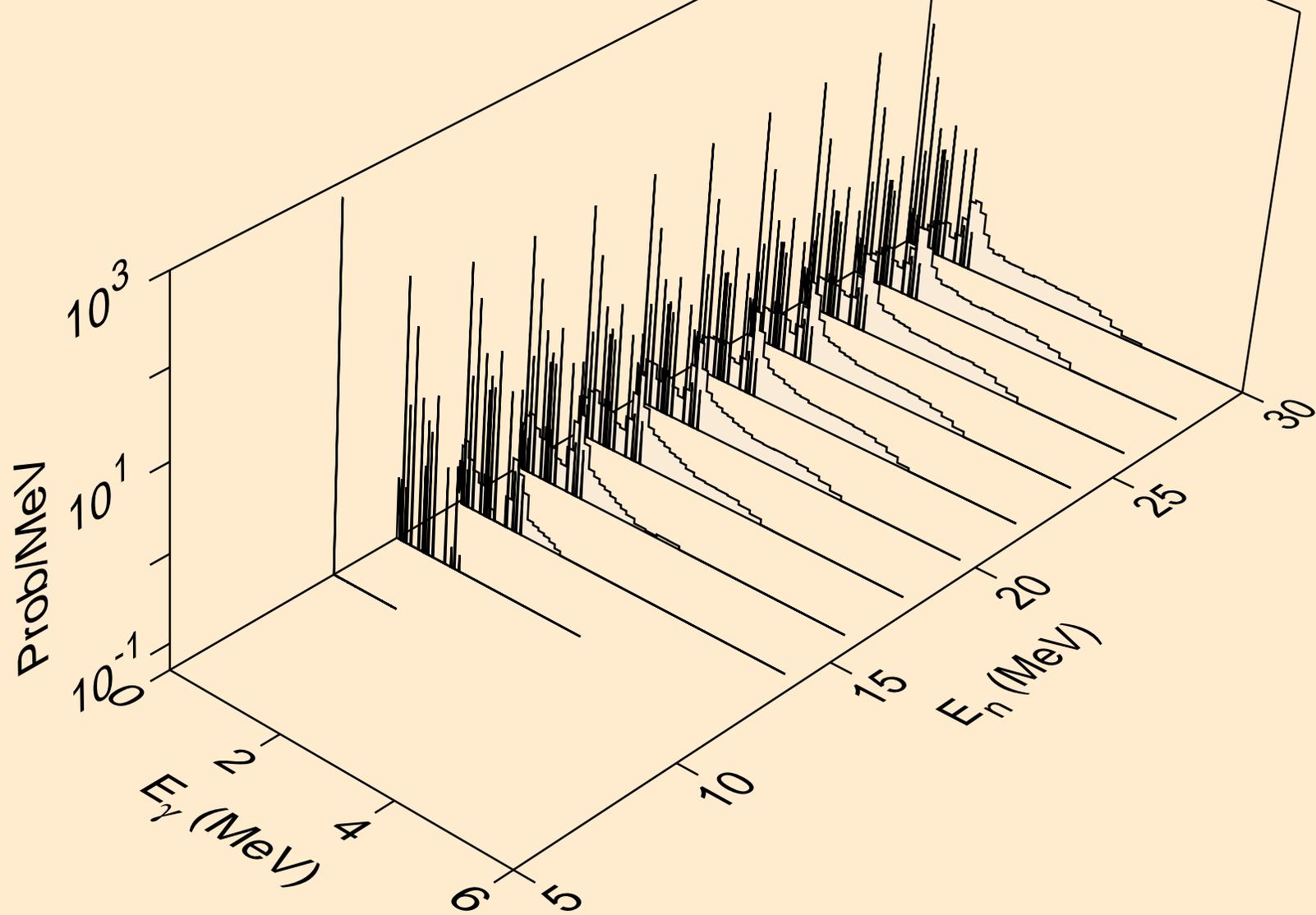
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,gma)



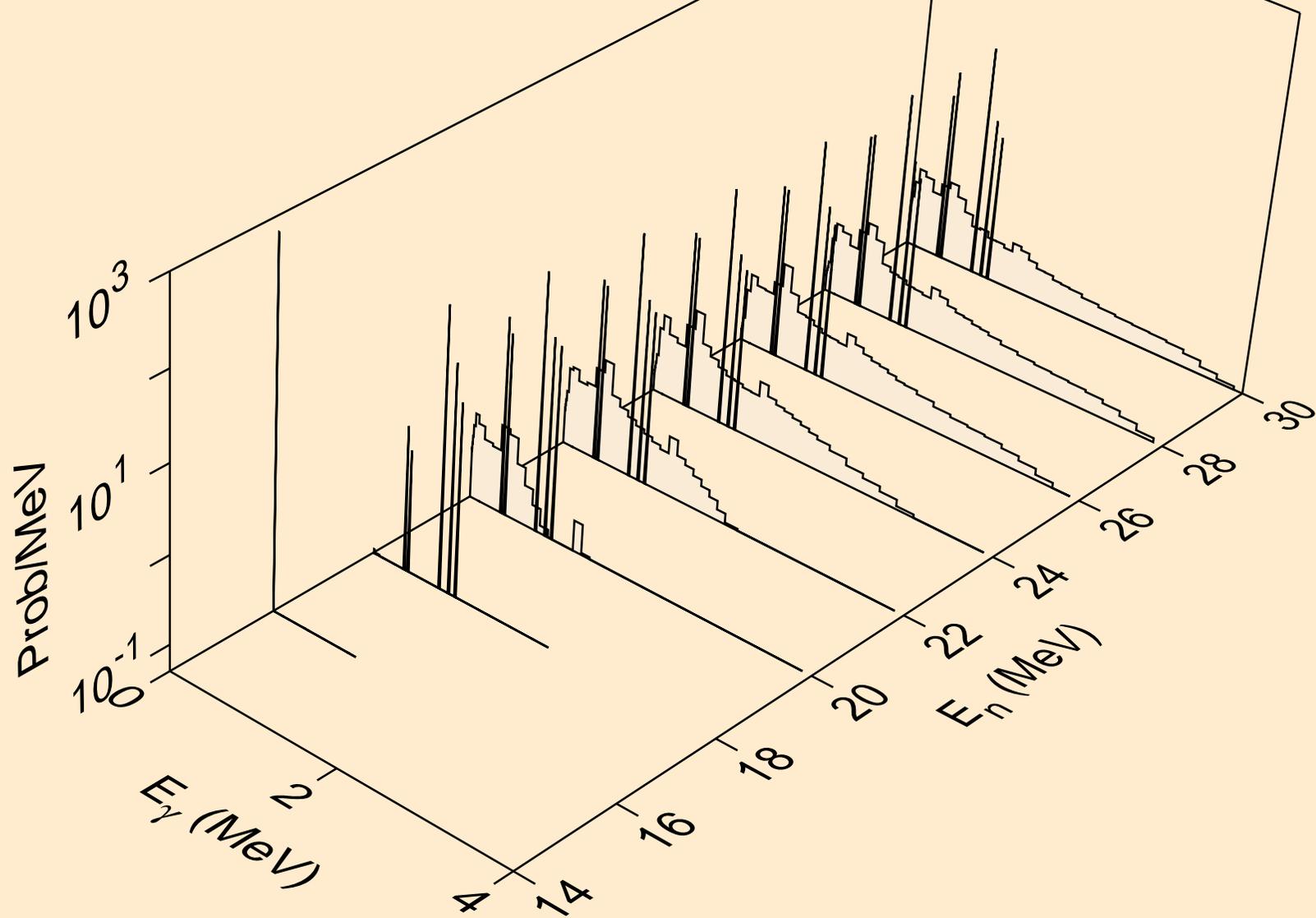
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic



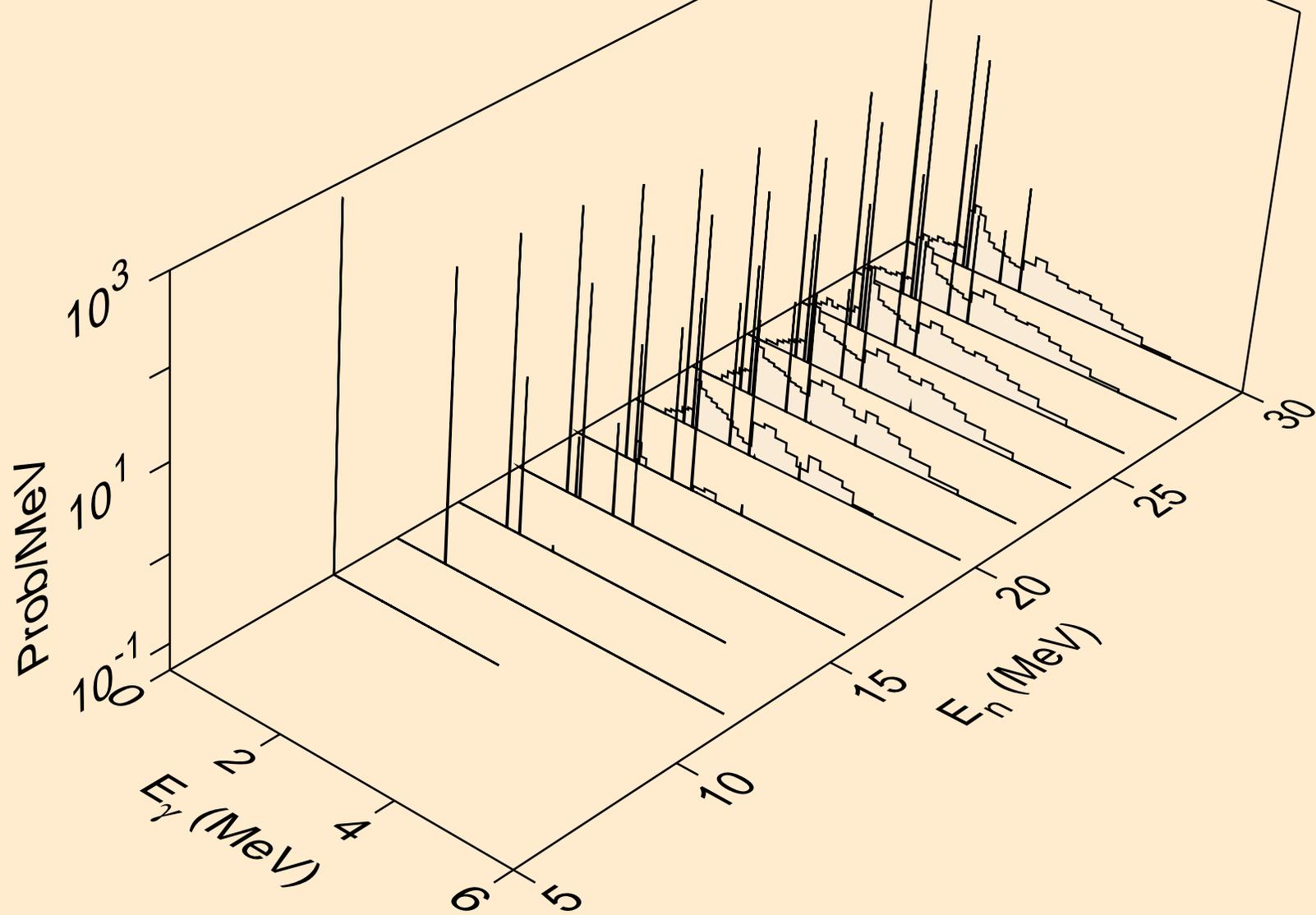
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,d)



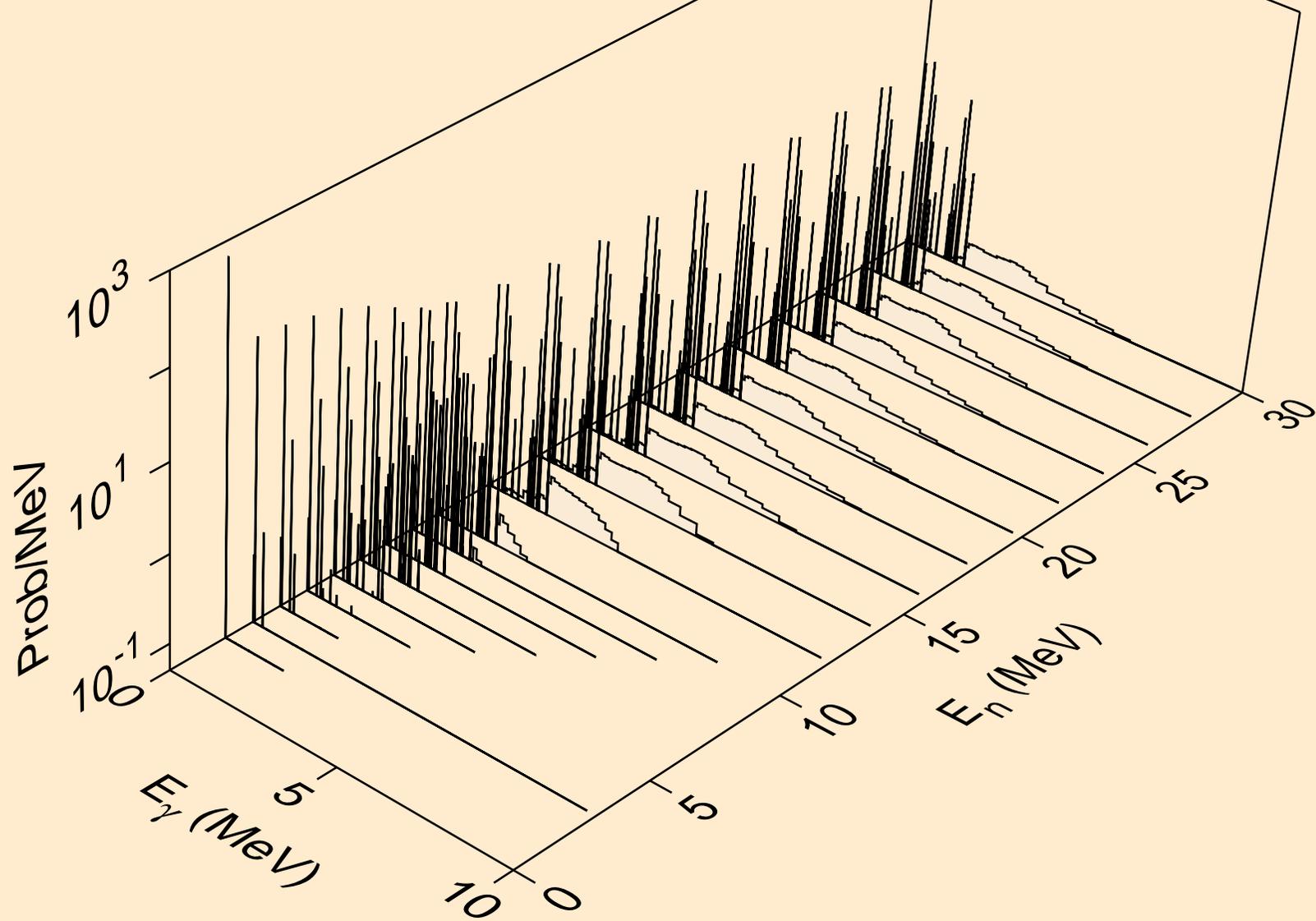
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,t)



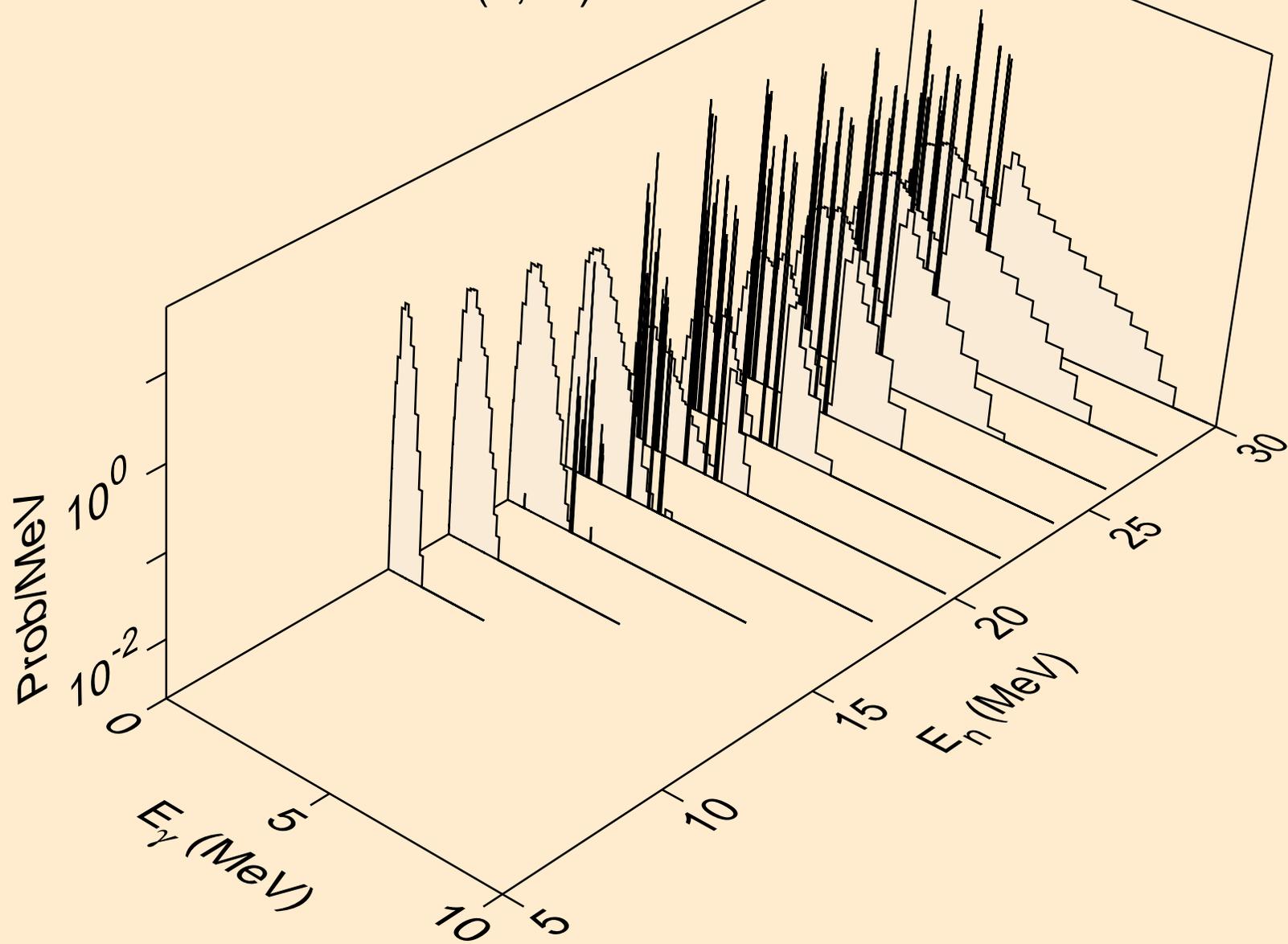
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,he3)



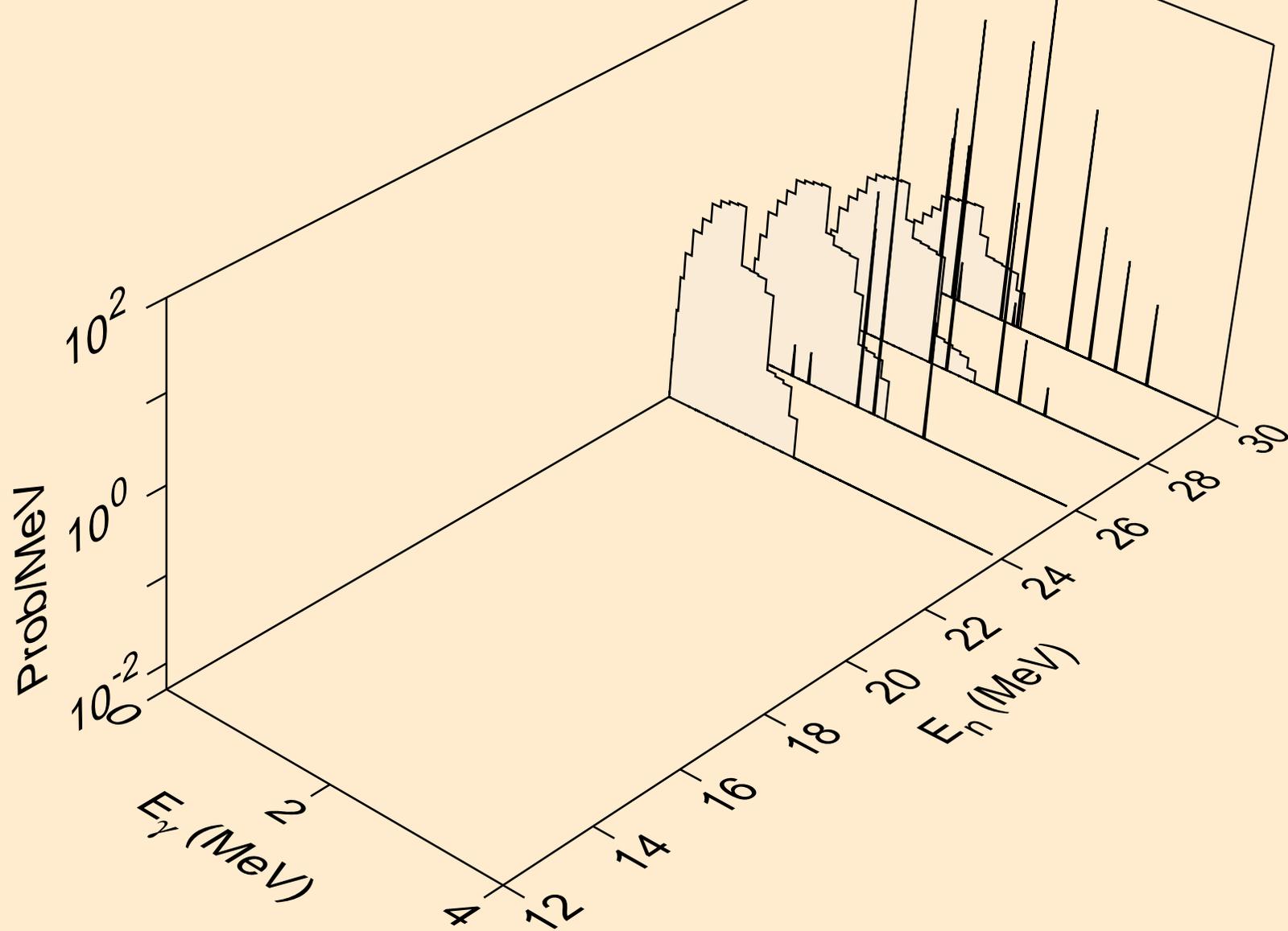
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,a)



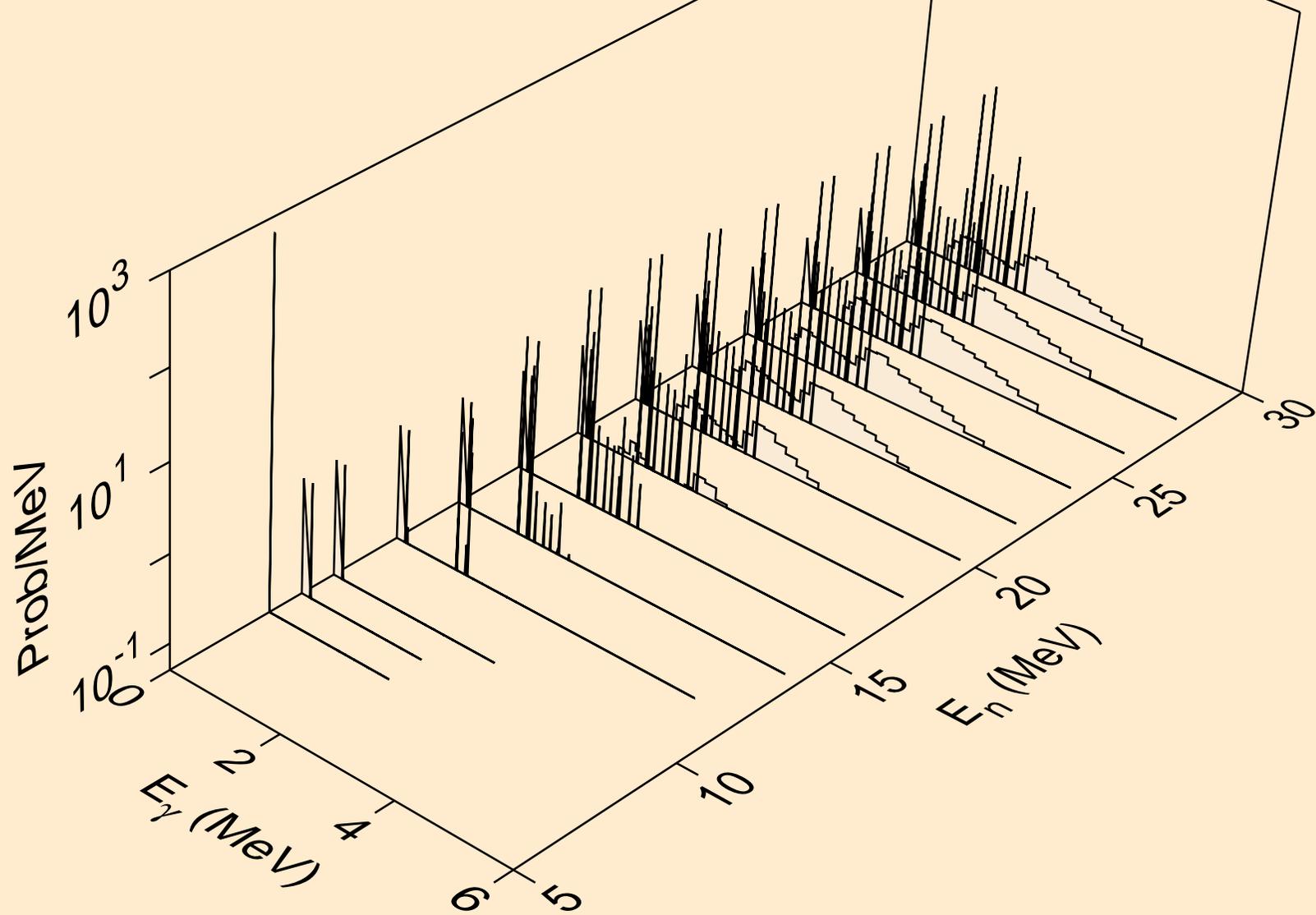
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2a)



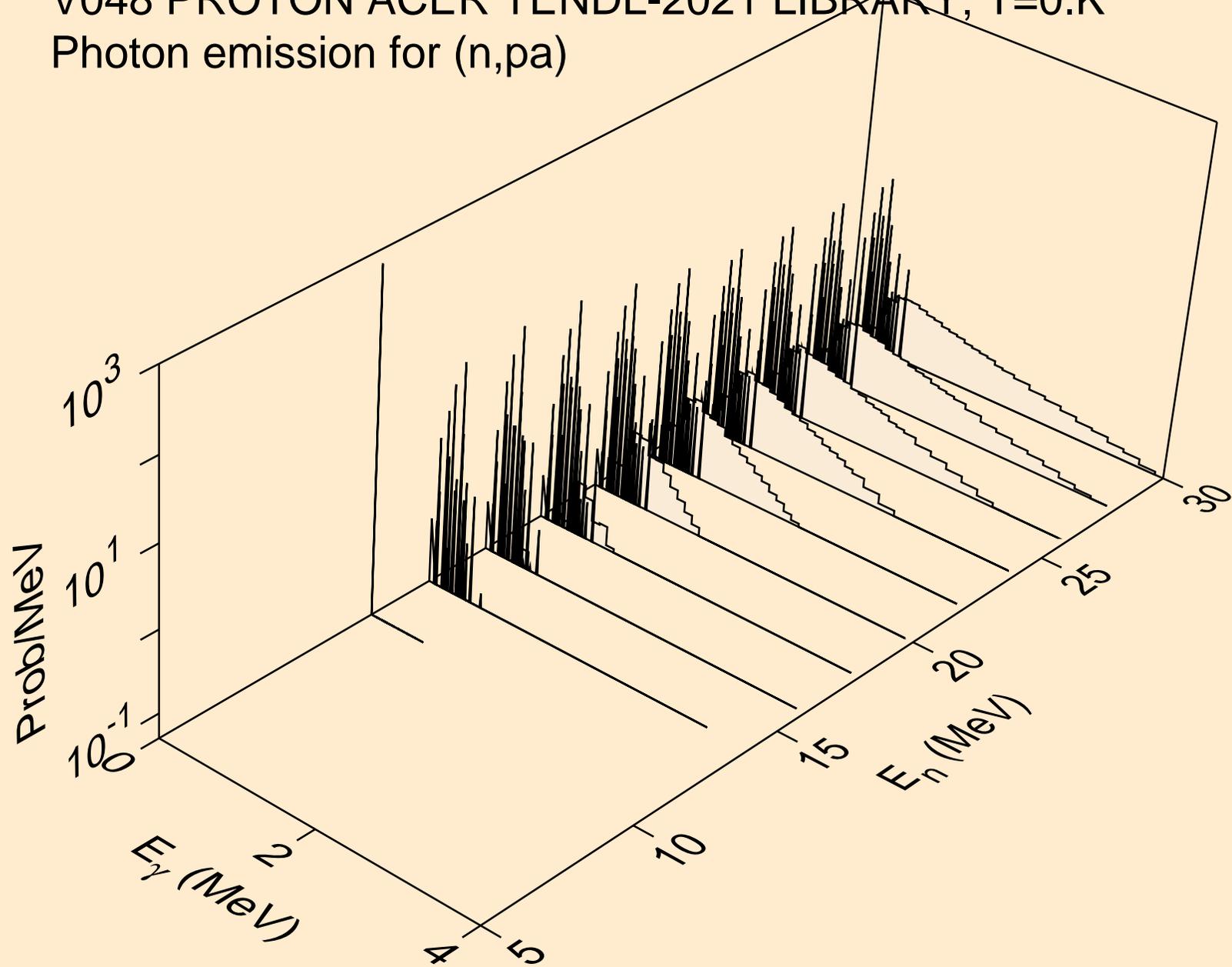
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3a)



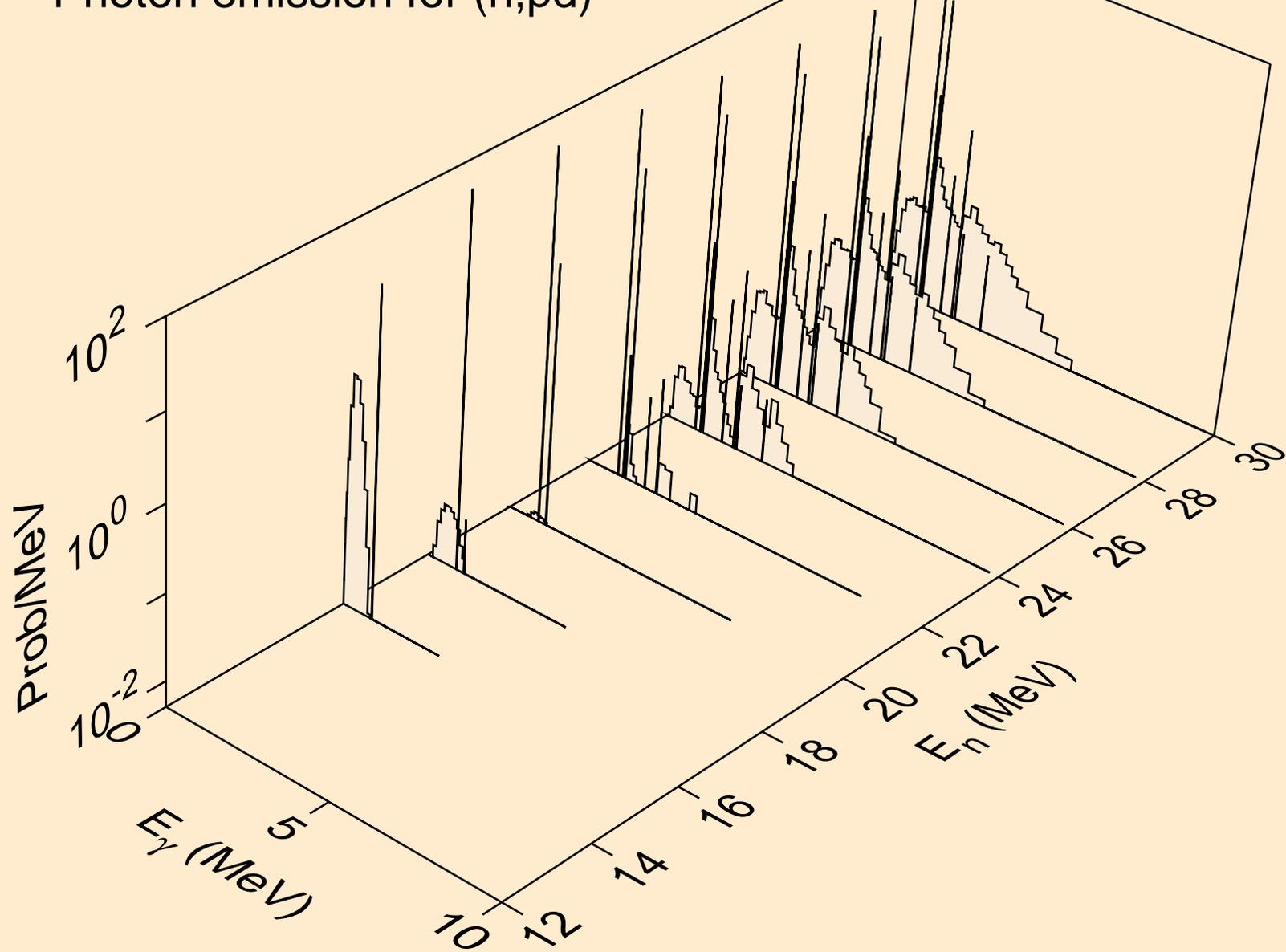
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)



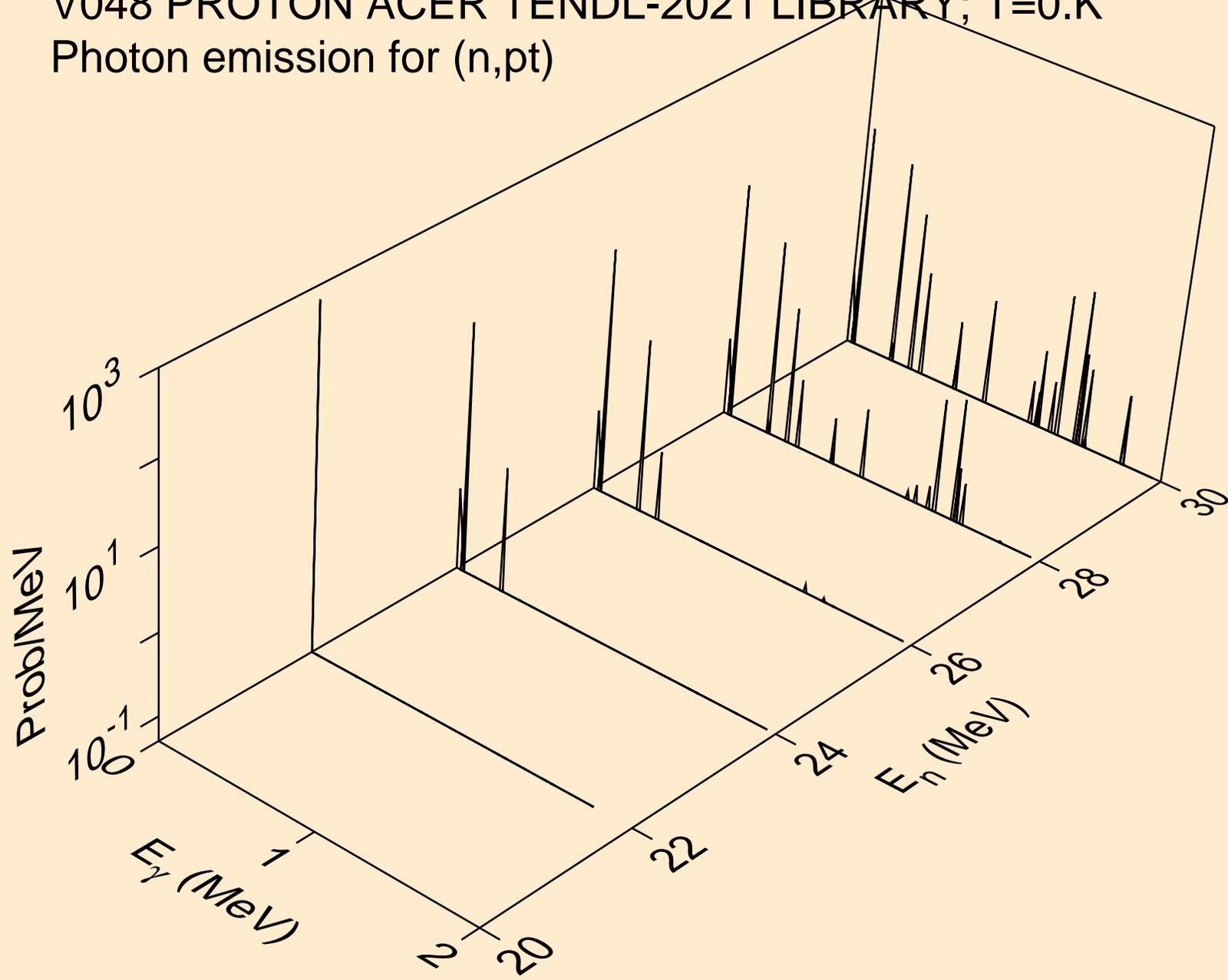
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pa)



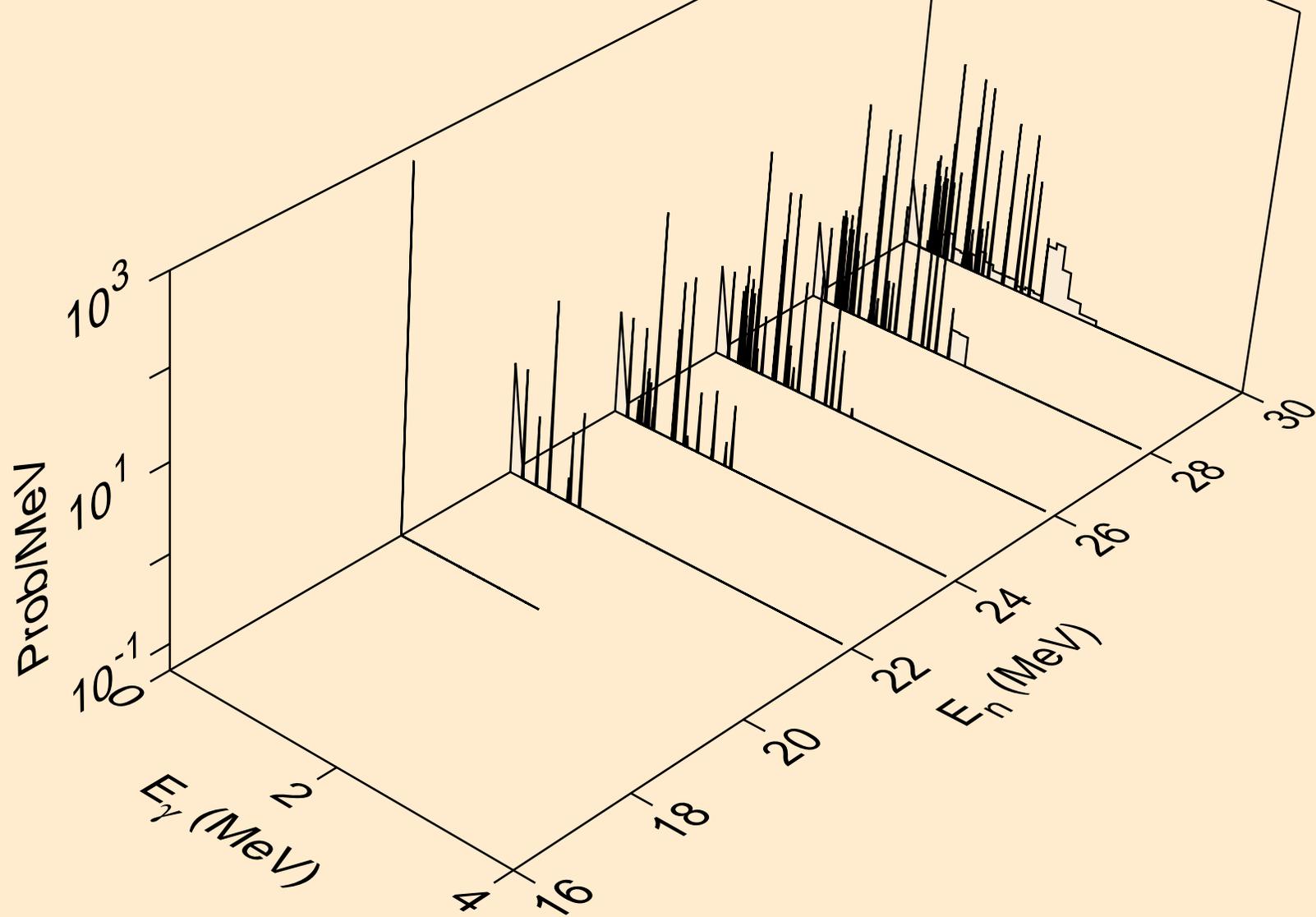
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pd)



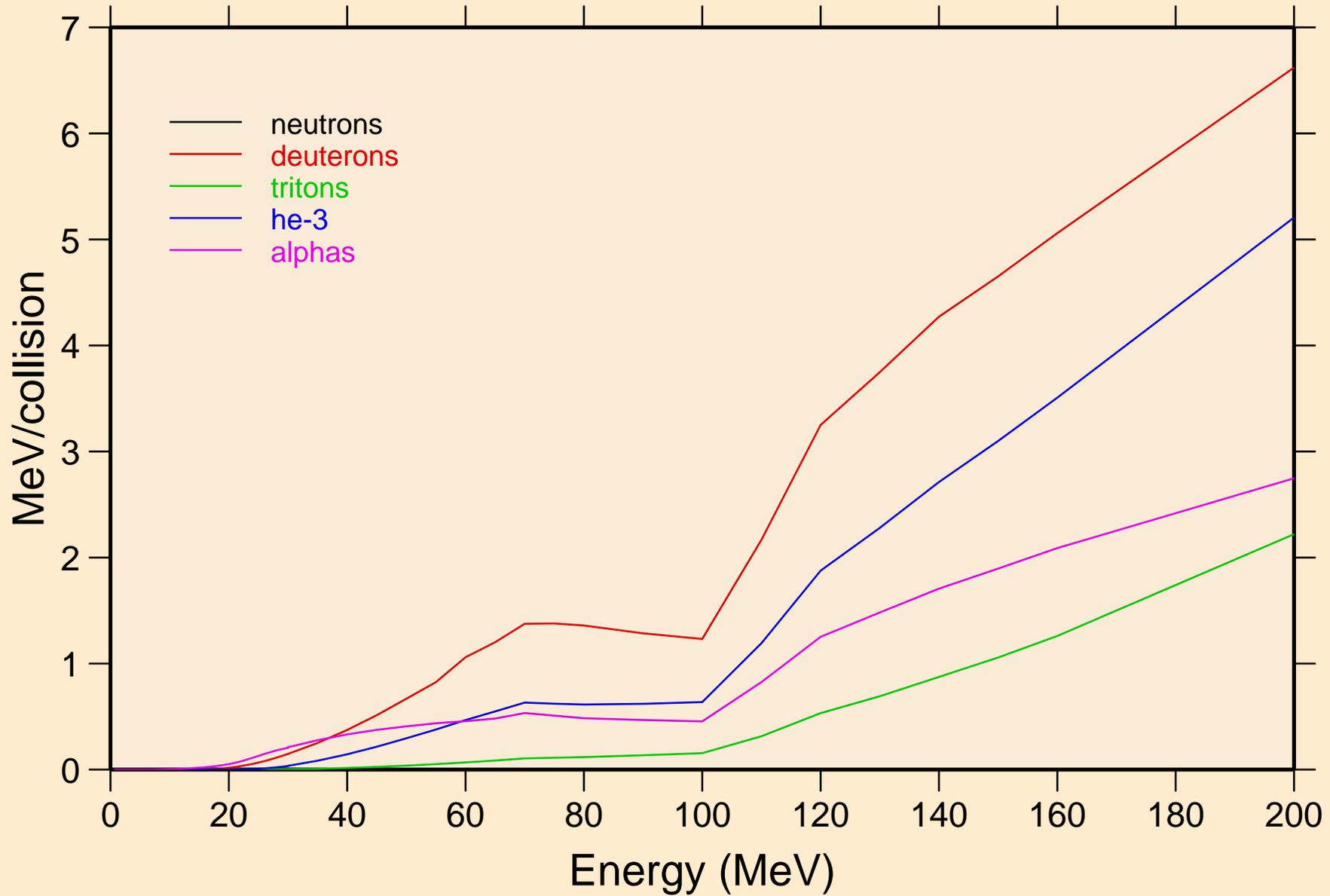
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pt)



V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,da)

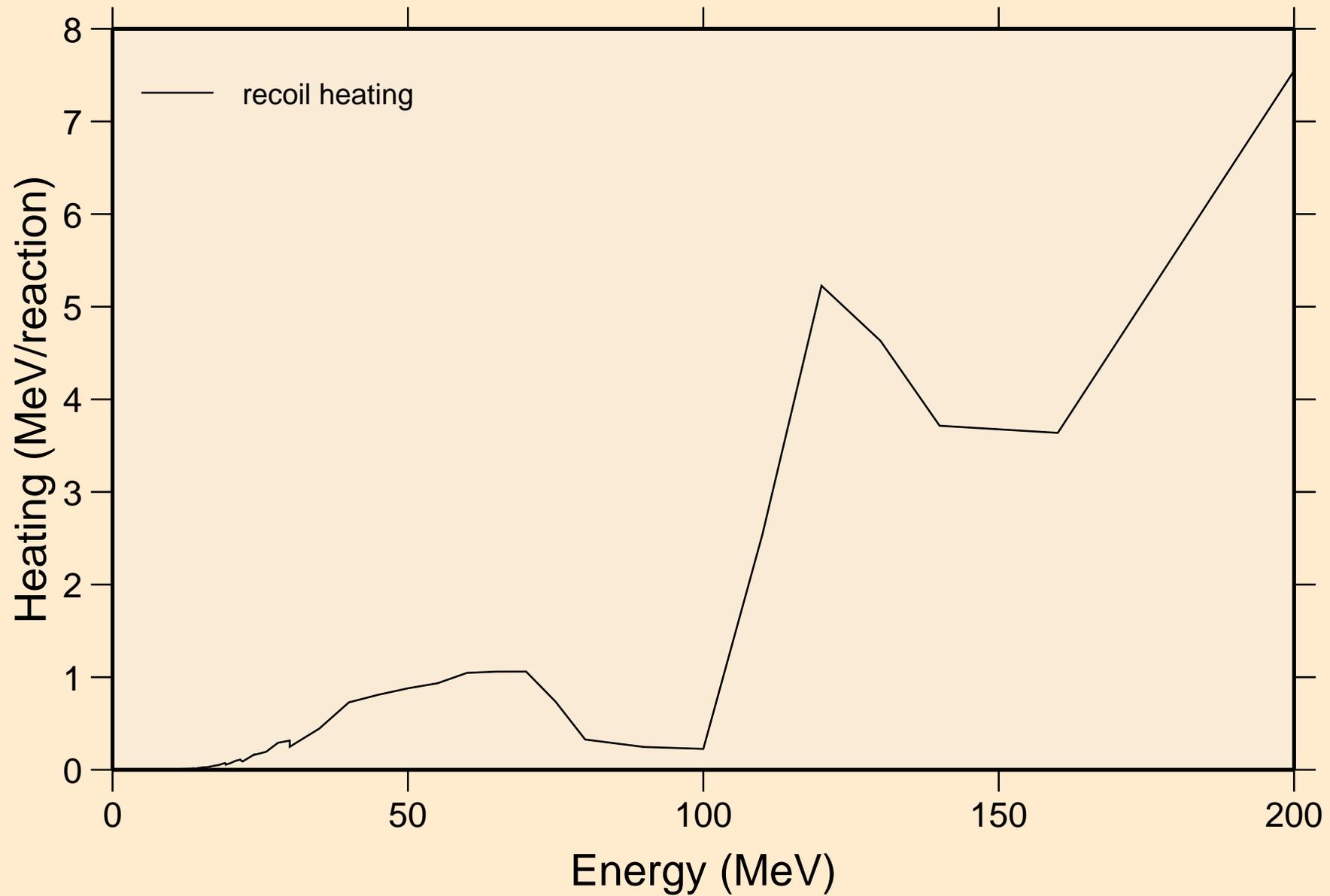


V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Particle heating contributions

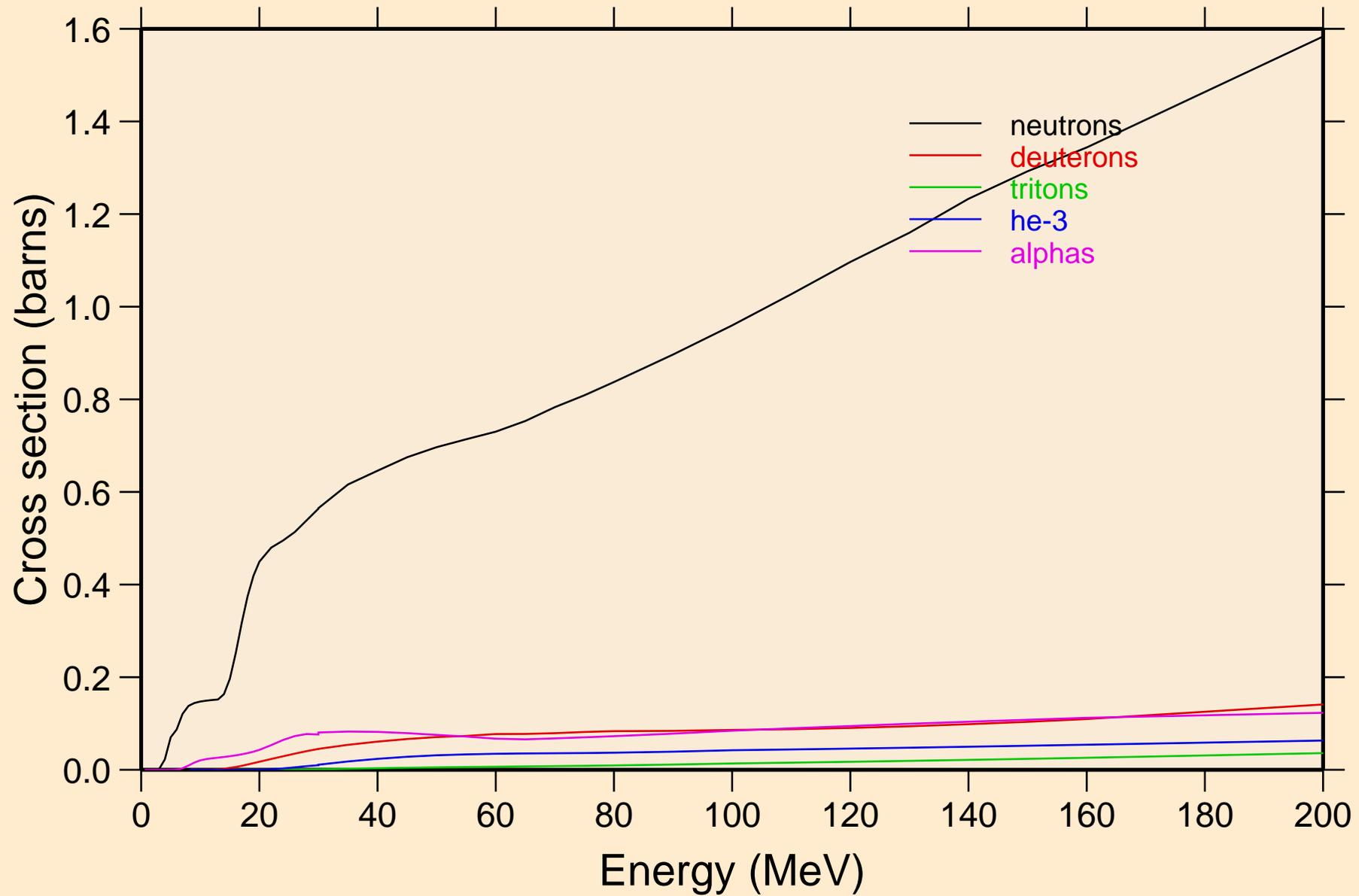


# V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K

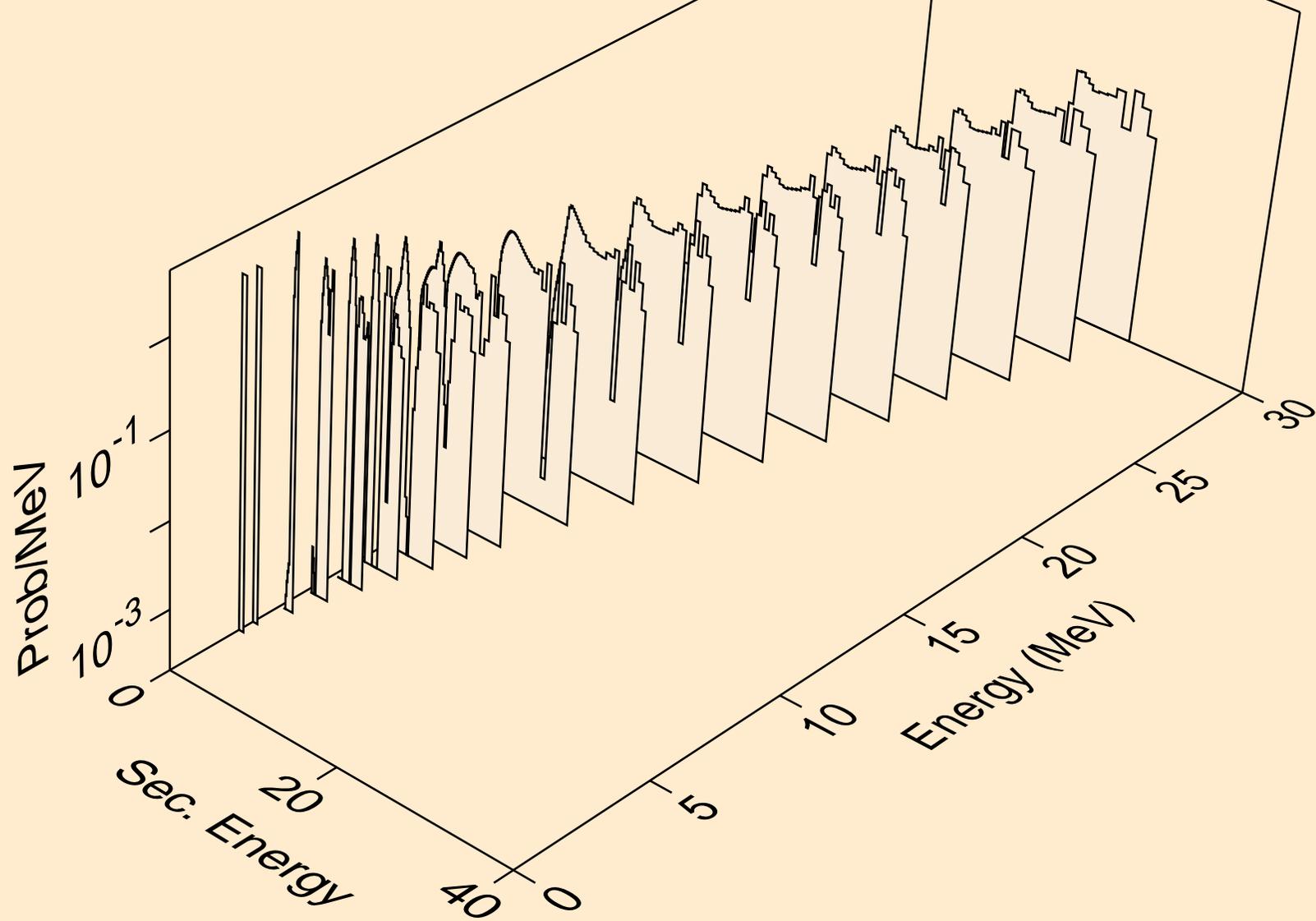
## Recoil Heating



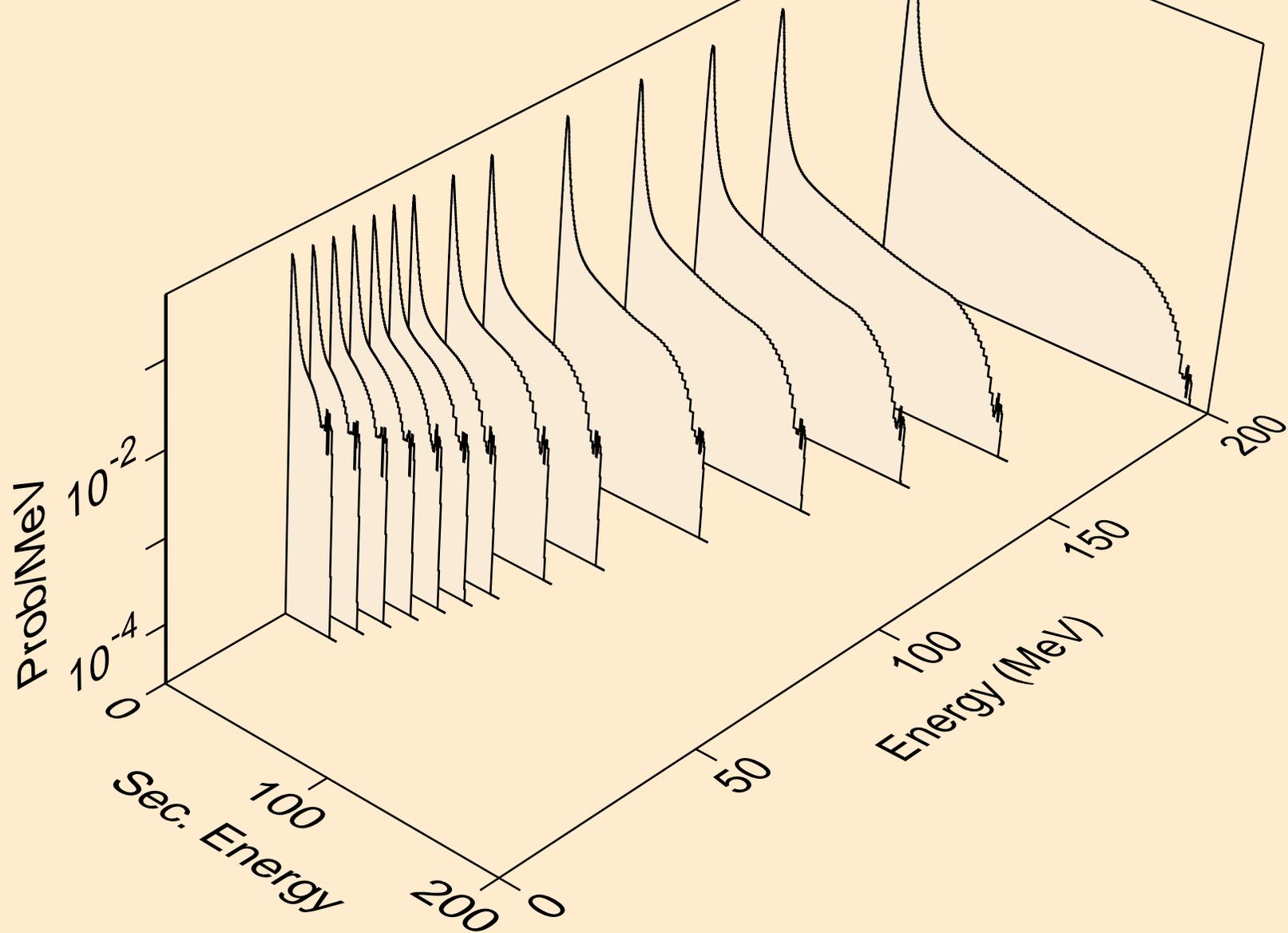
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Particle production cross sections



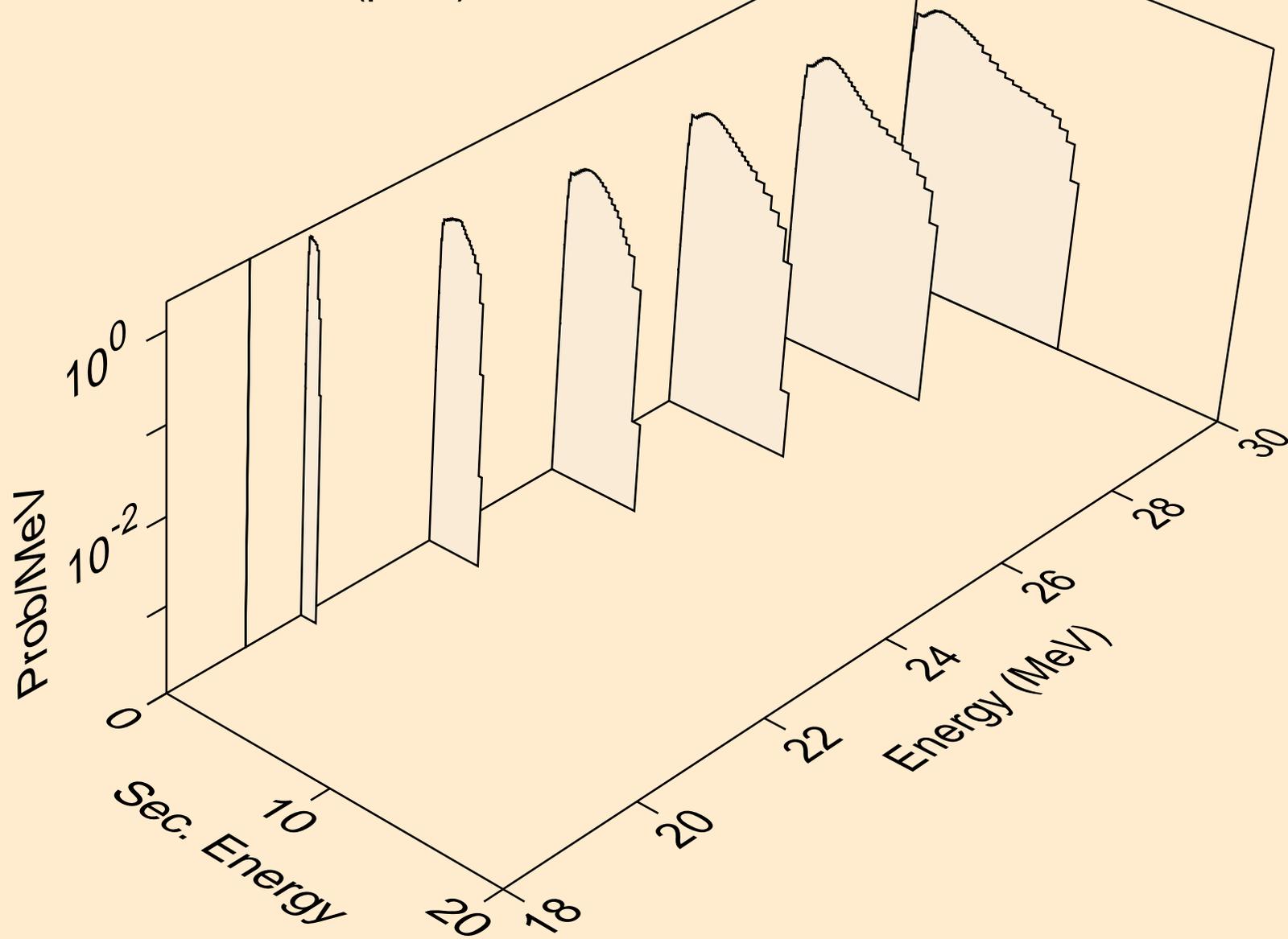
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n)



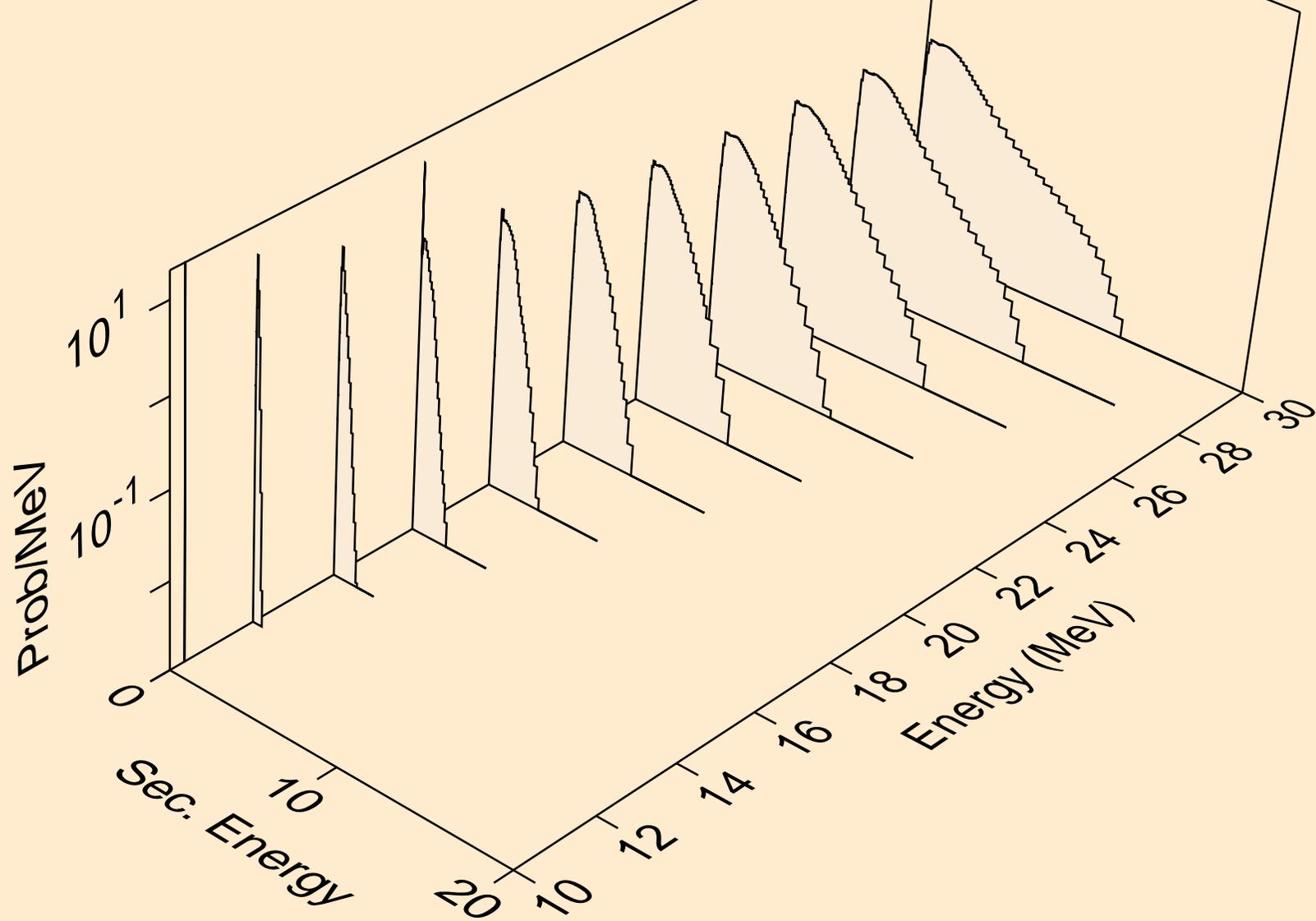
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,x)



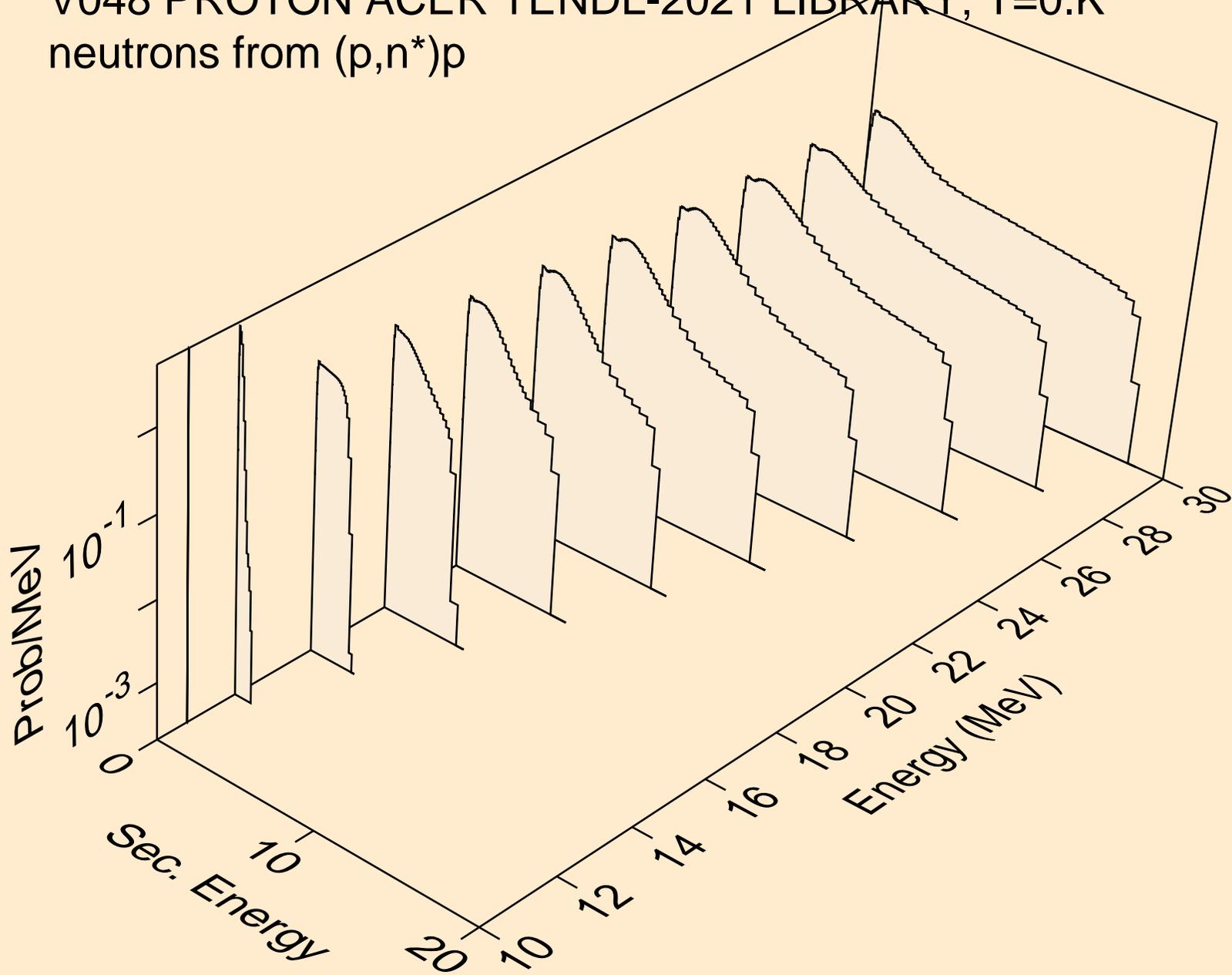
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2n)



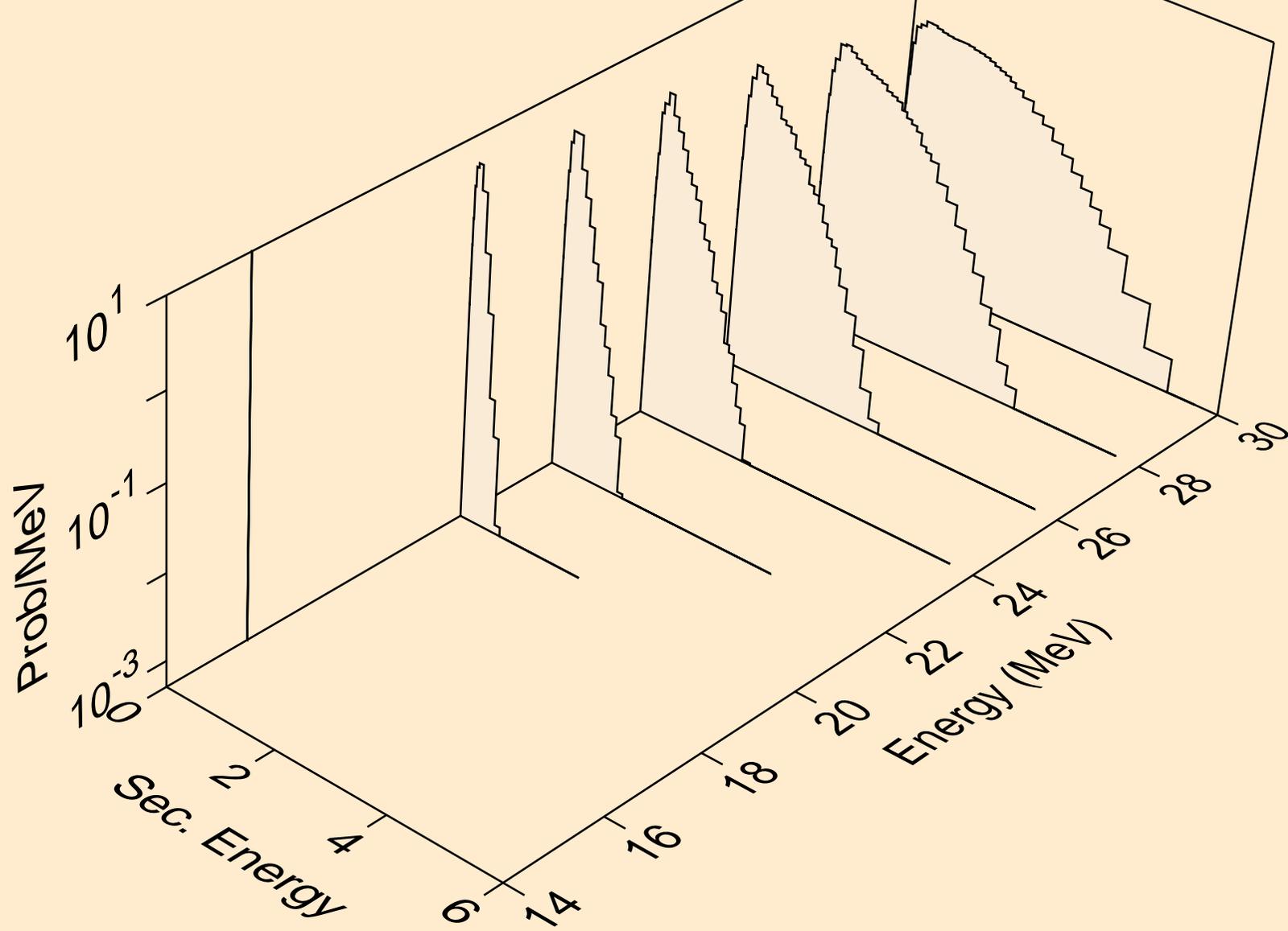
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)a



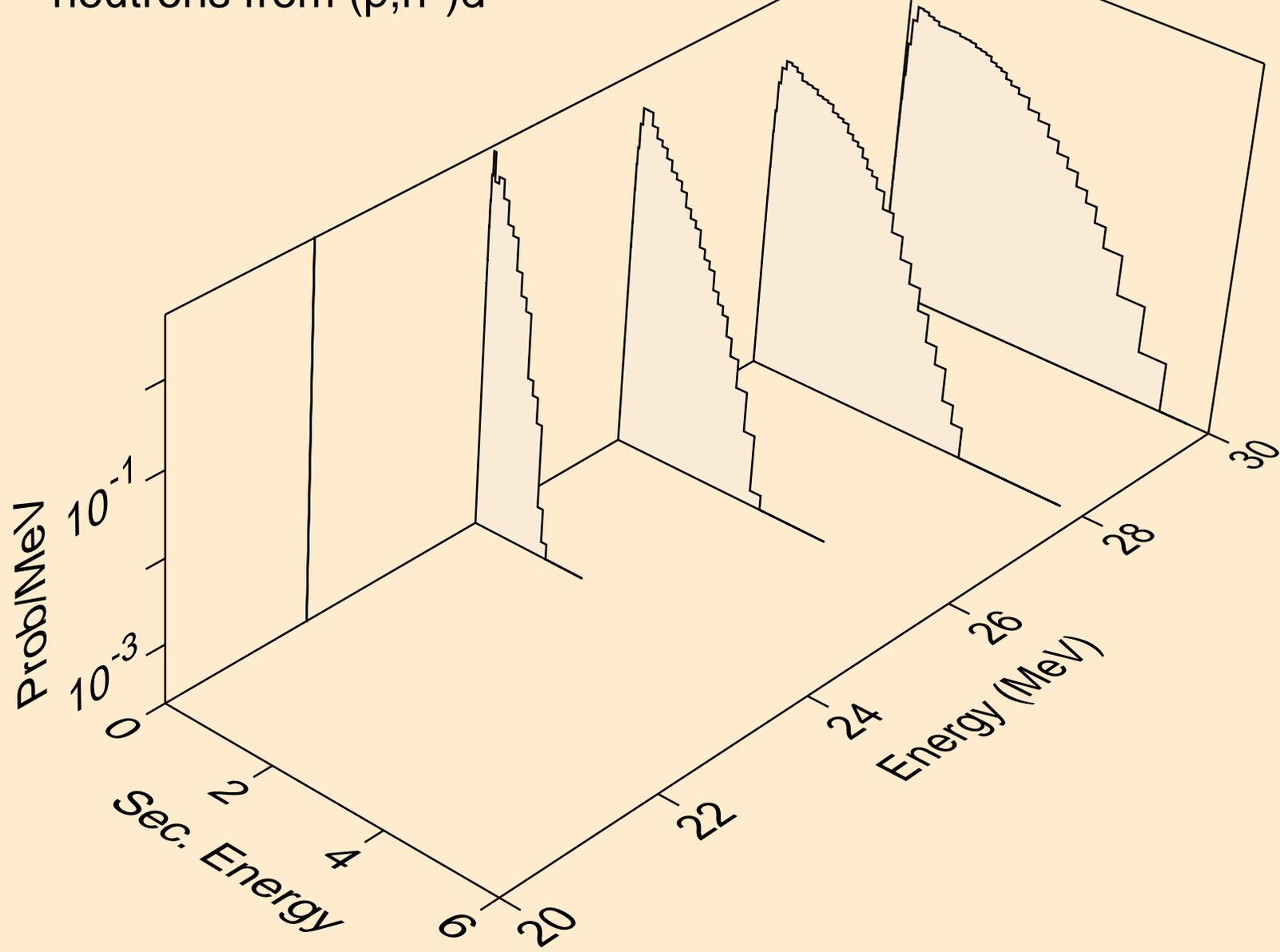
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)p



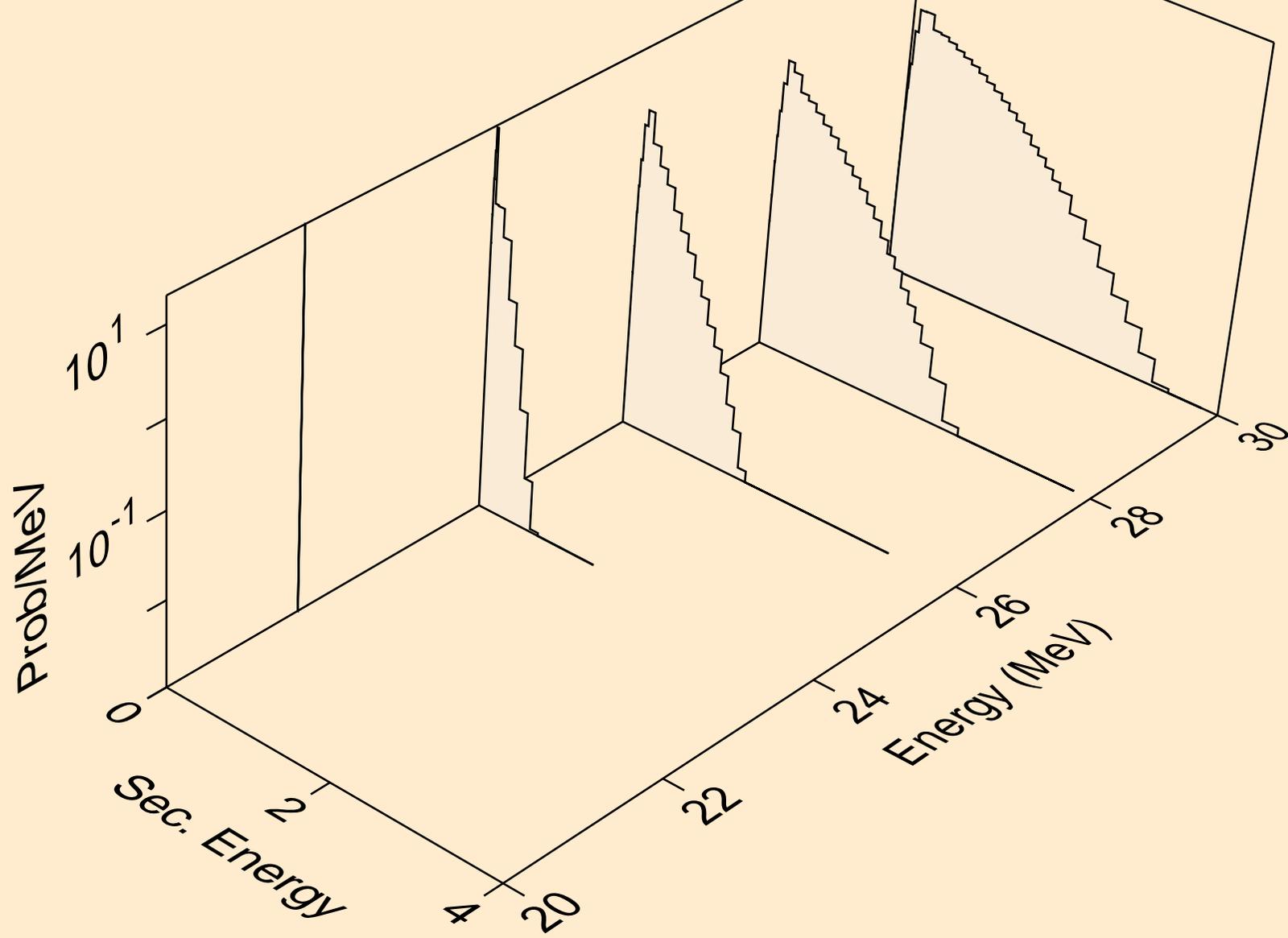
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)2a



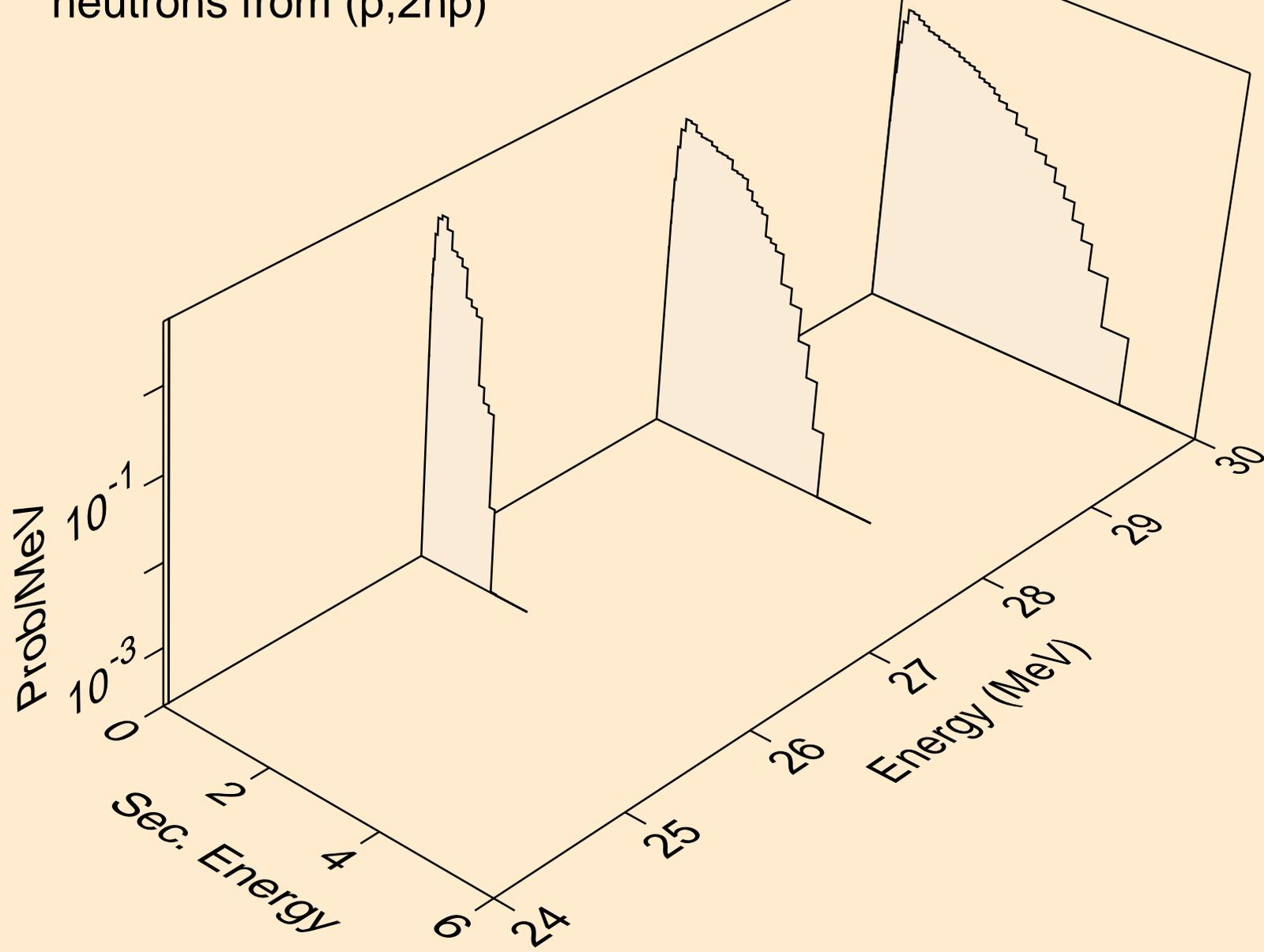
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)d



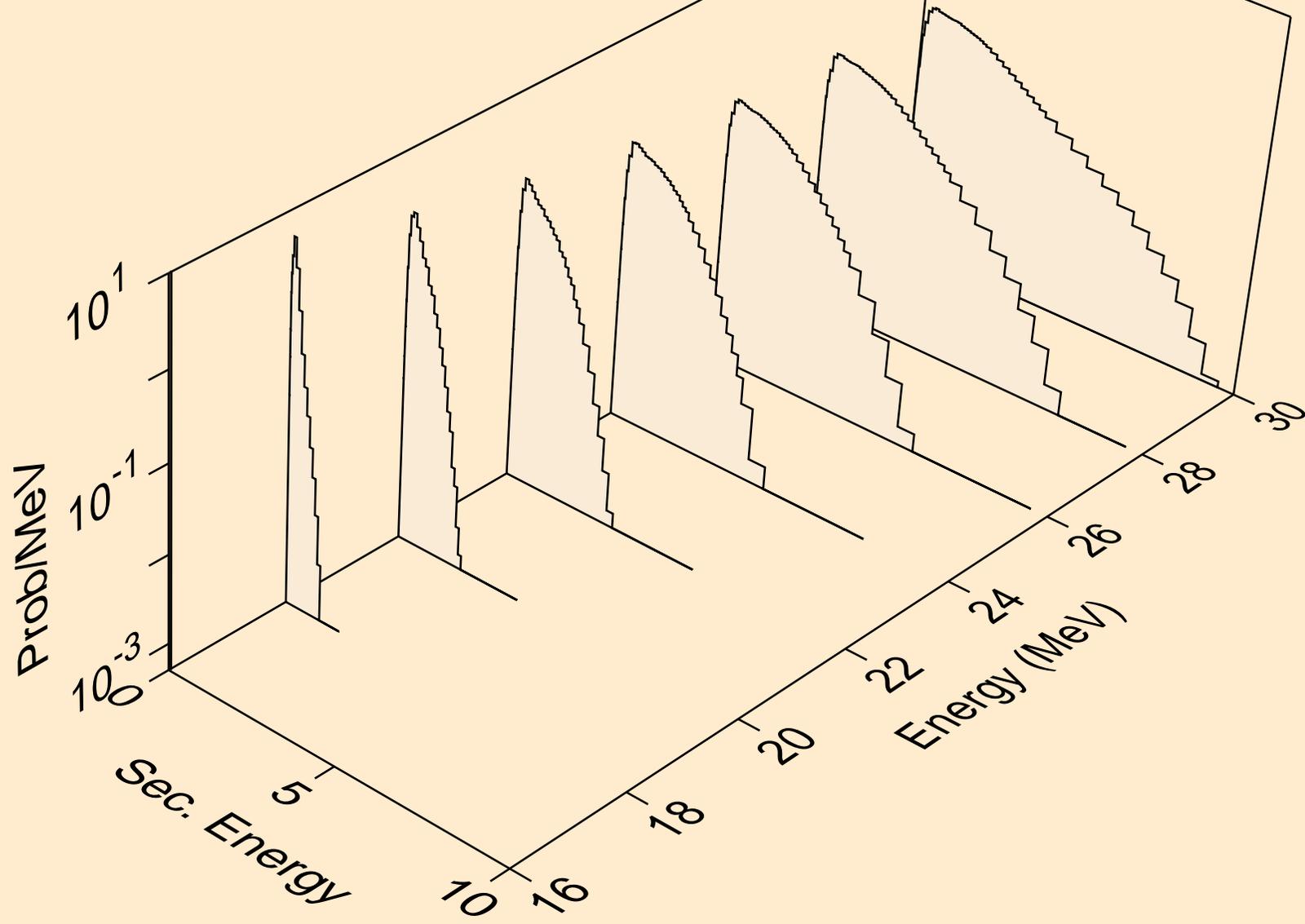
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



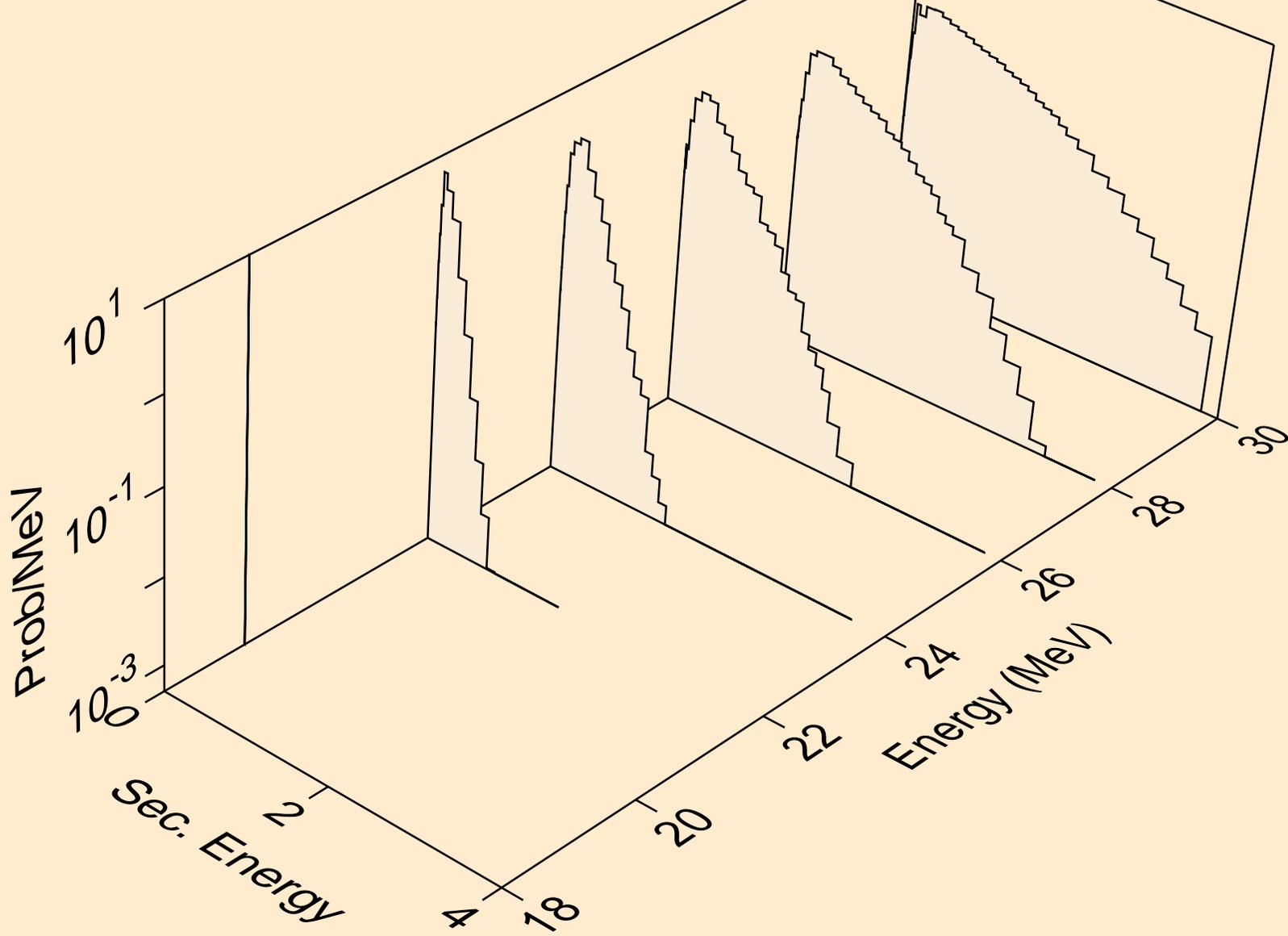
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2np)



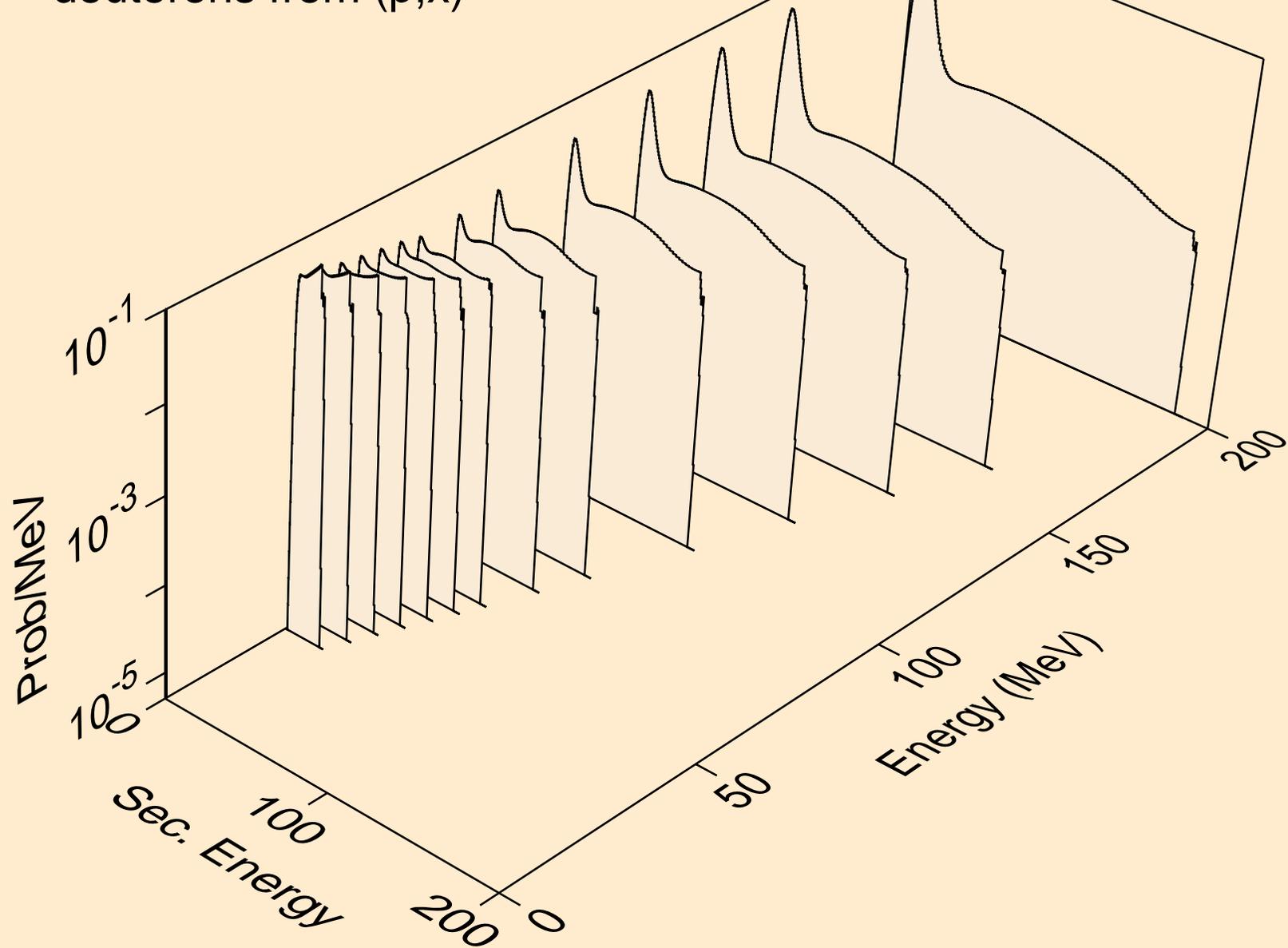
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2np)



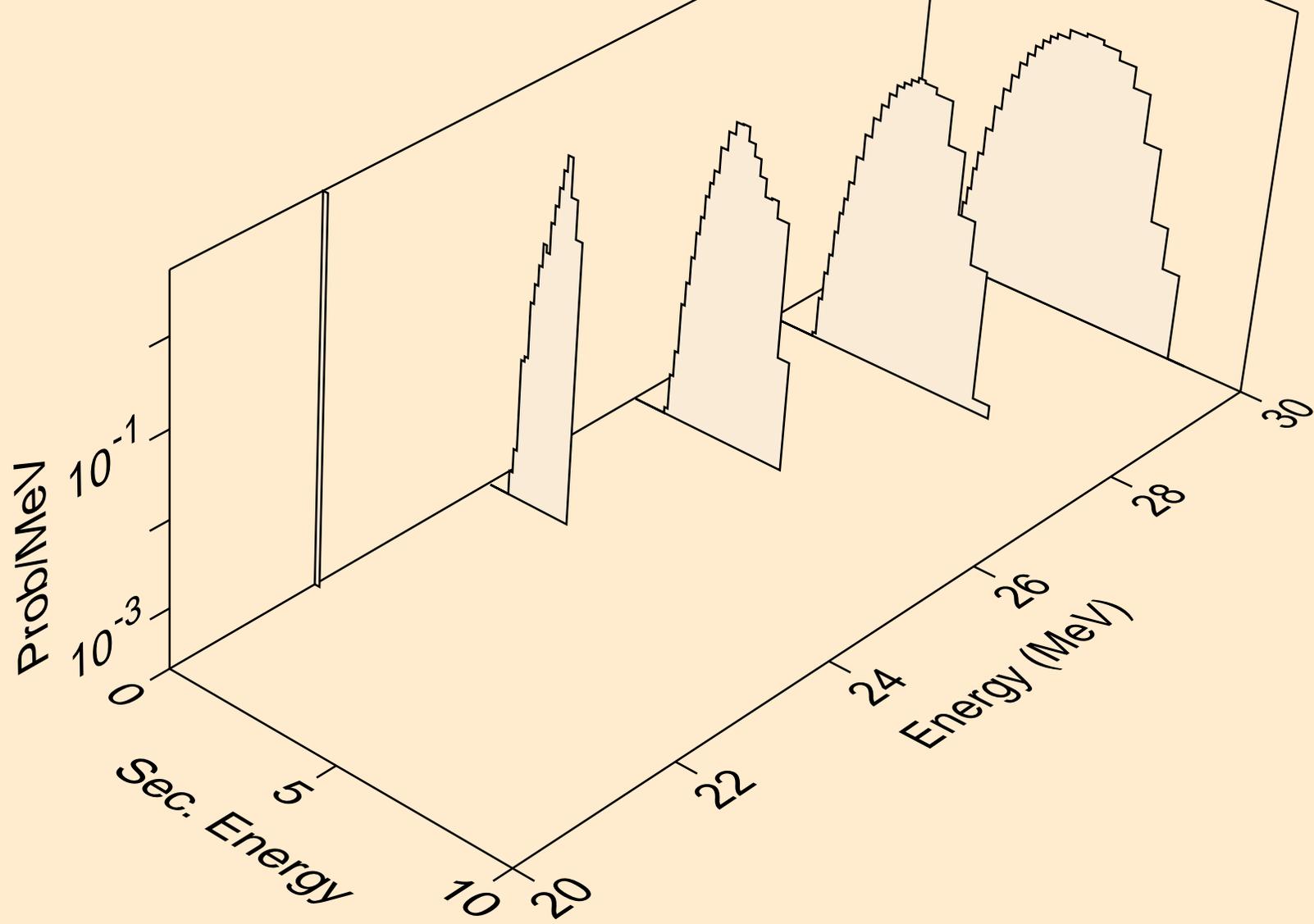
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,npa)



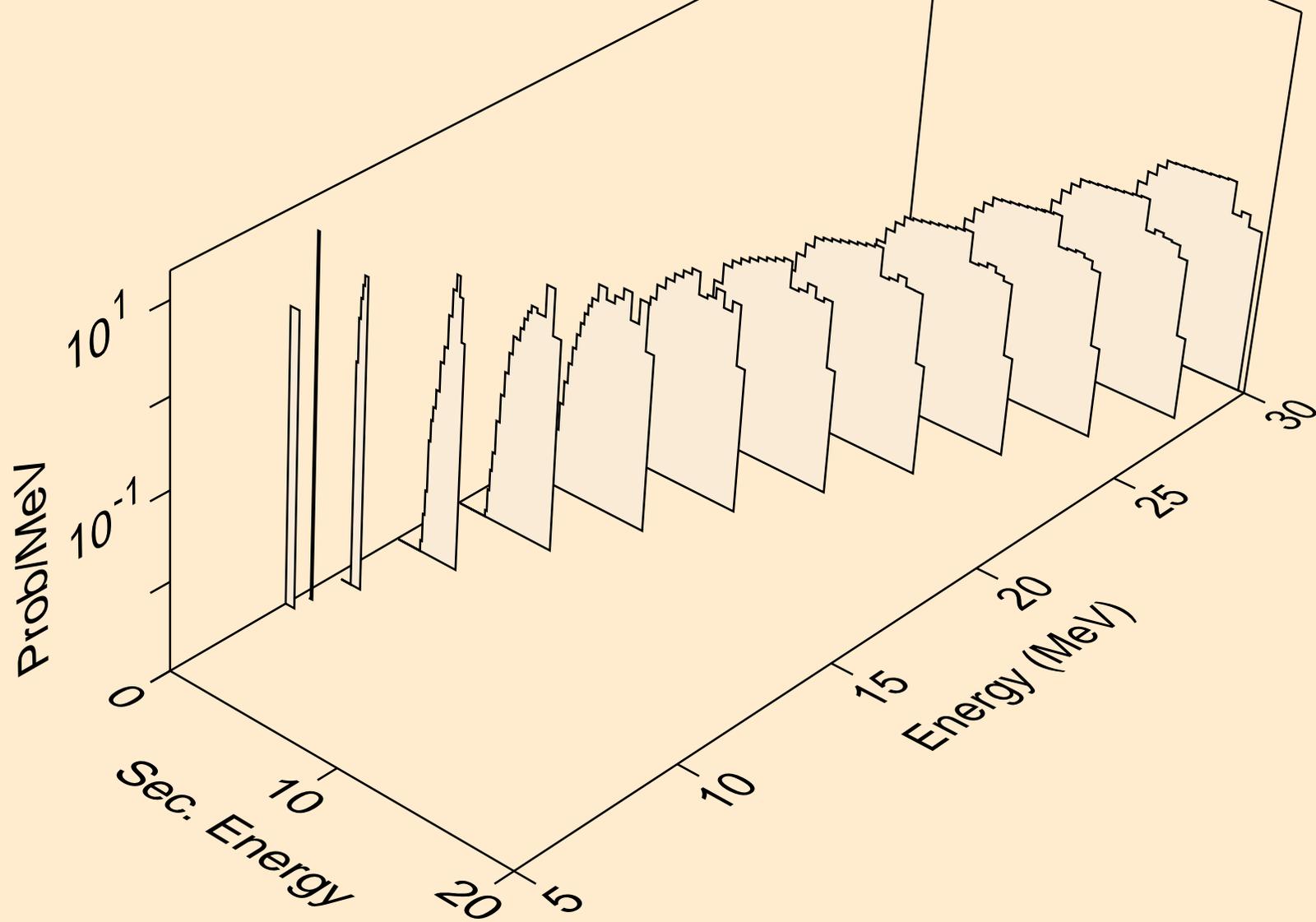
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,x)



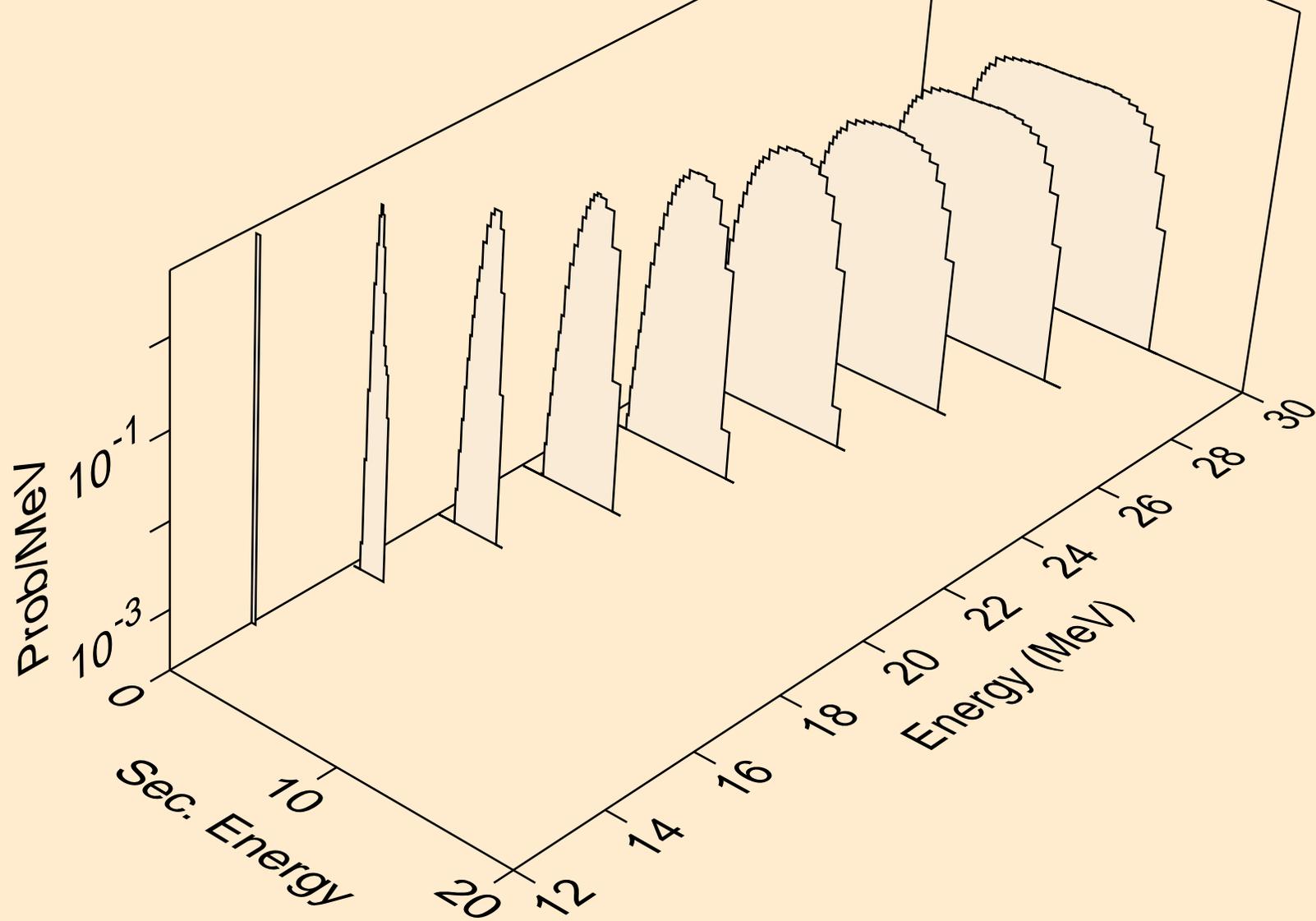
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,n\*)d



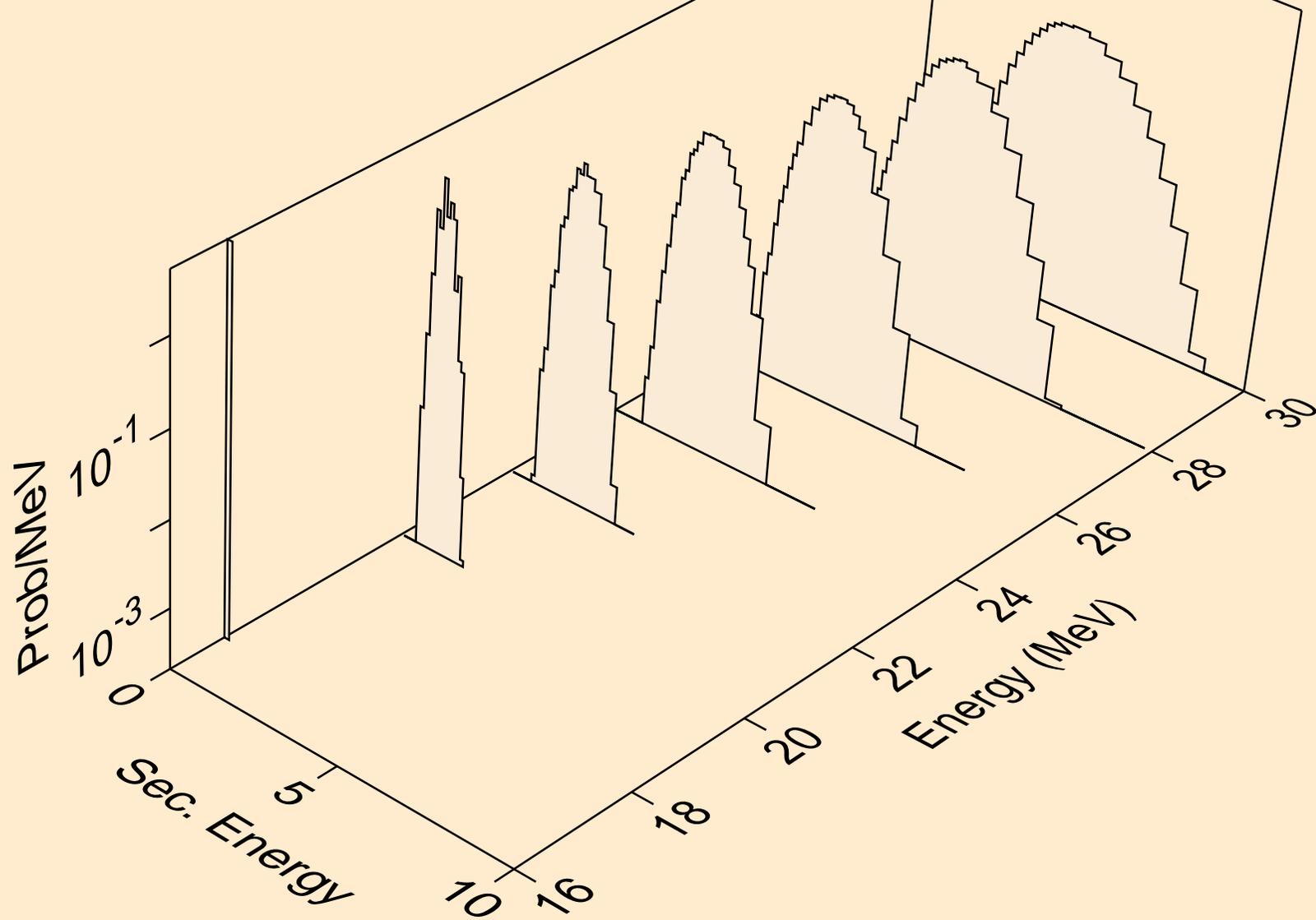
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,d)



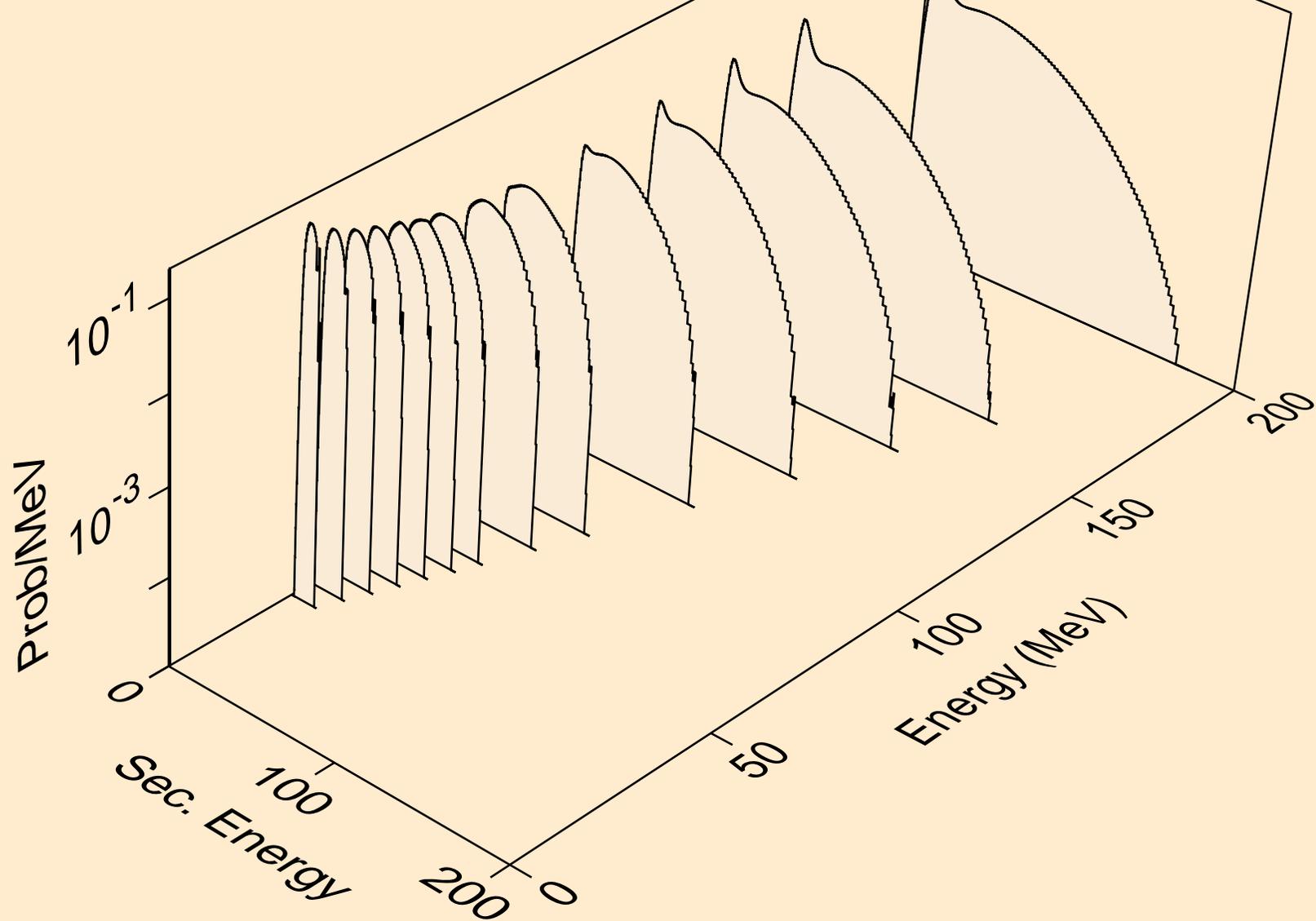
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,pd)



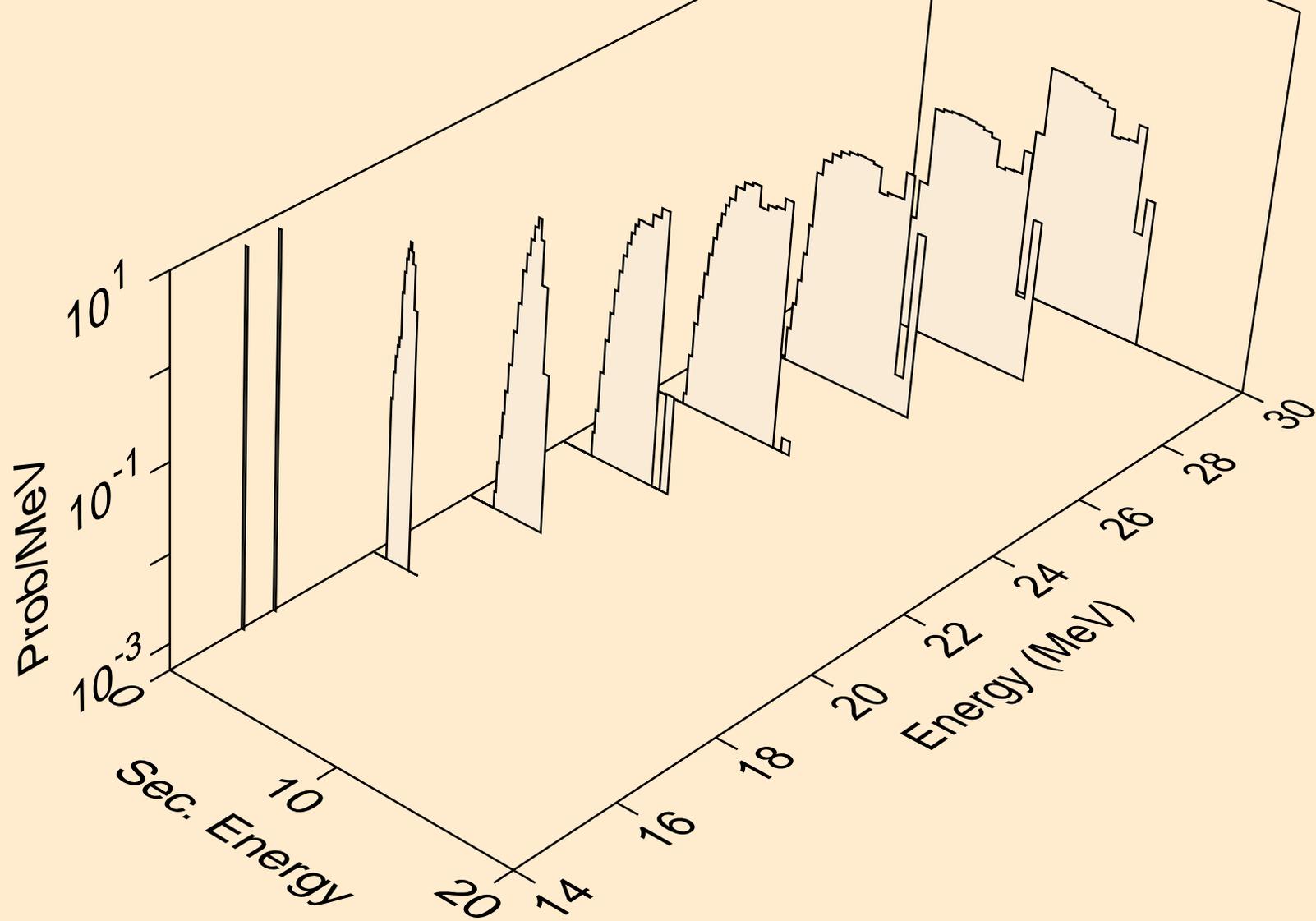
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,da)



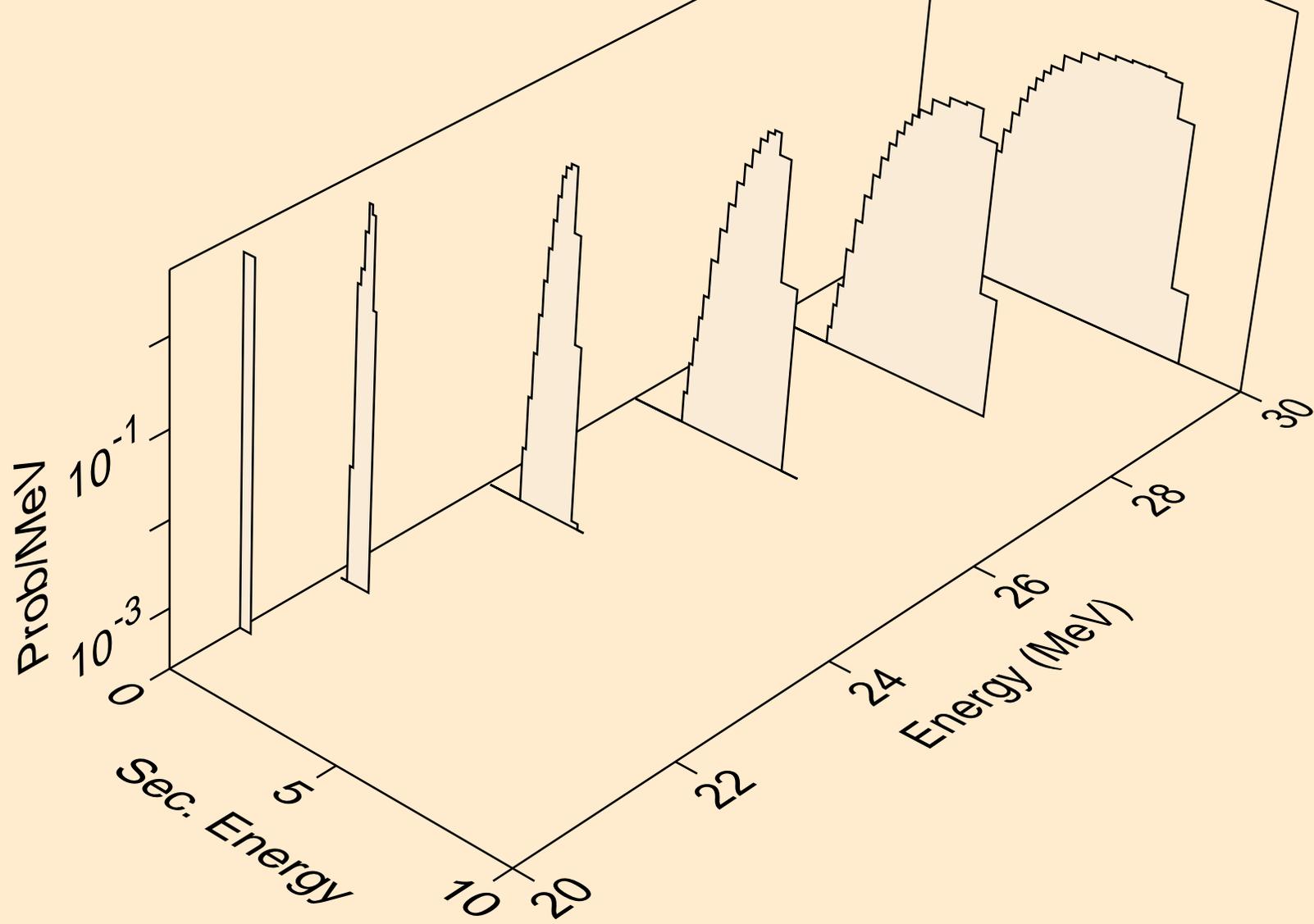
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,x)



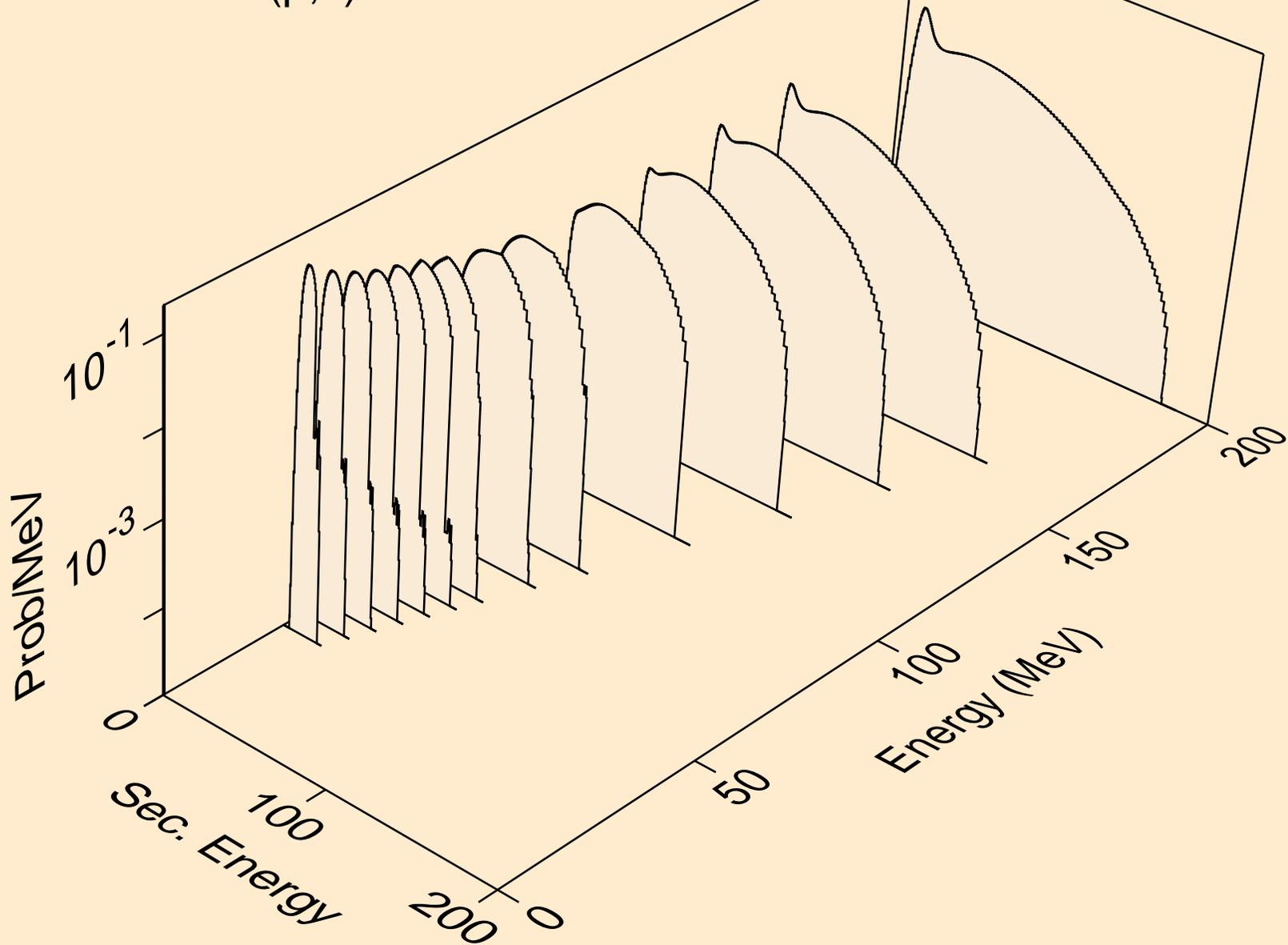
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,t)



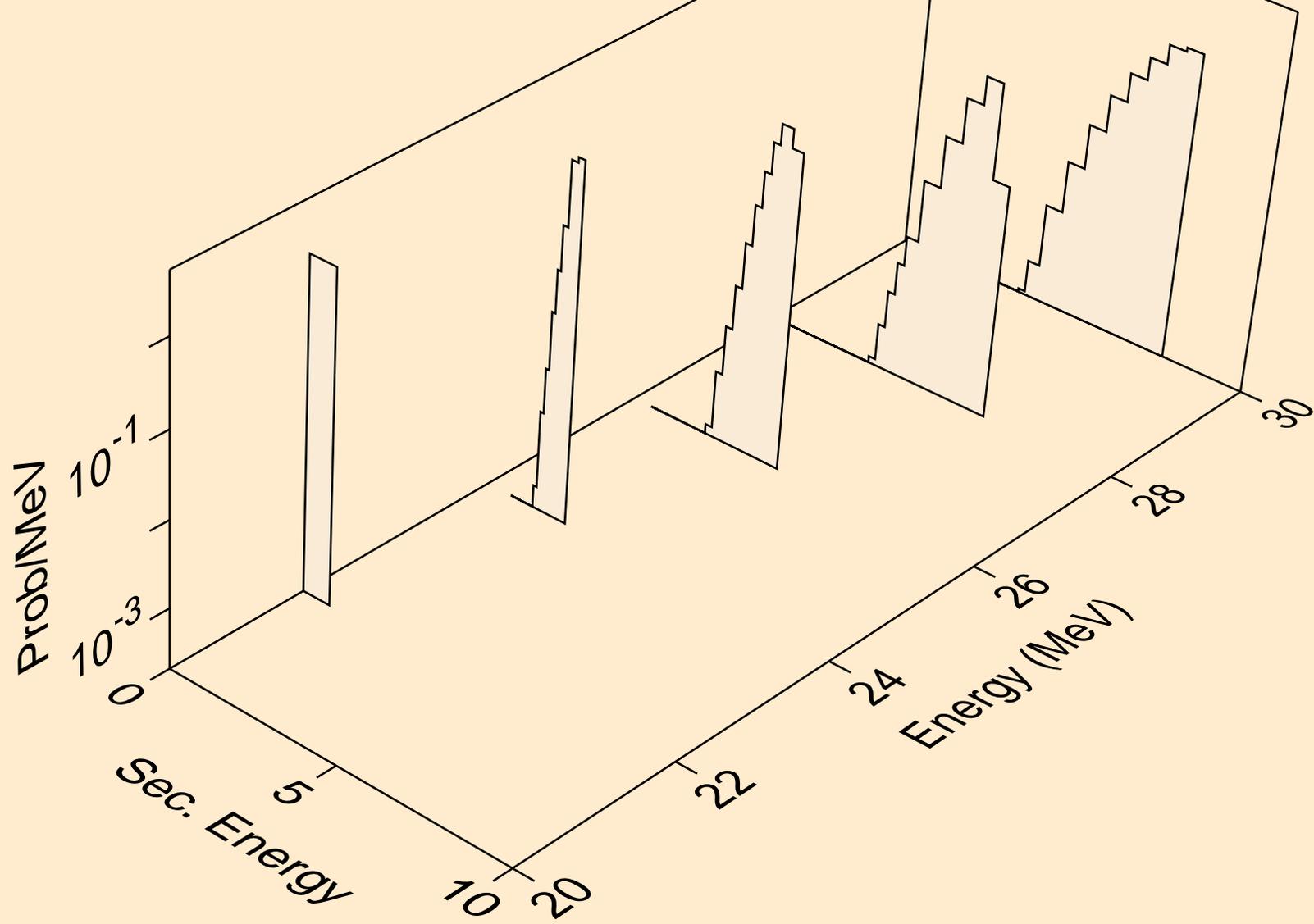
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,pt)



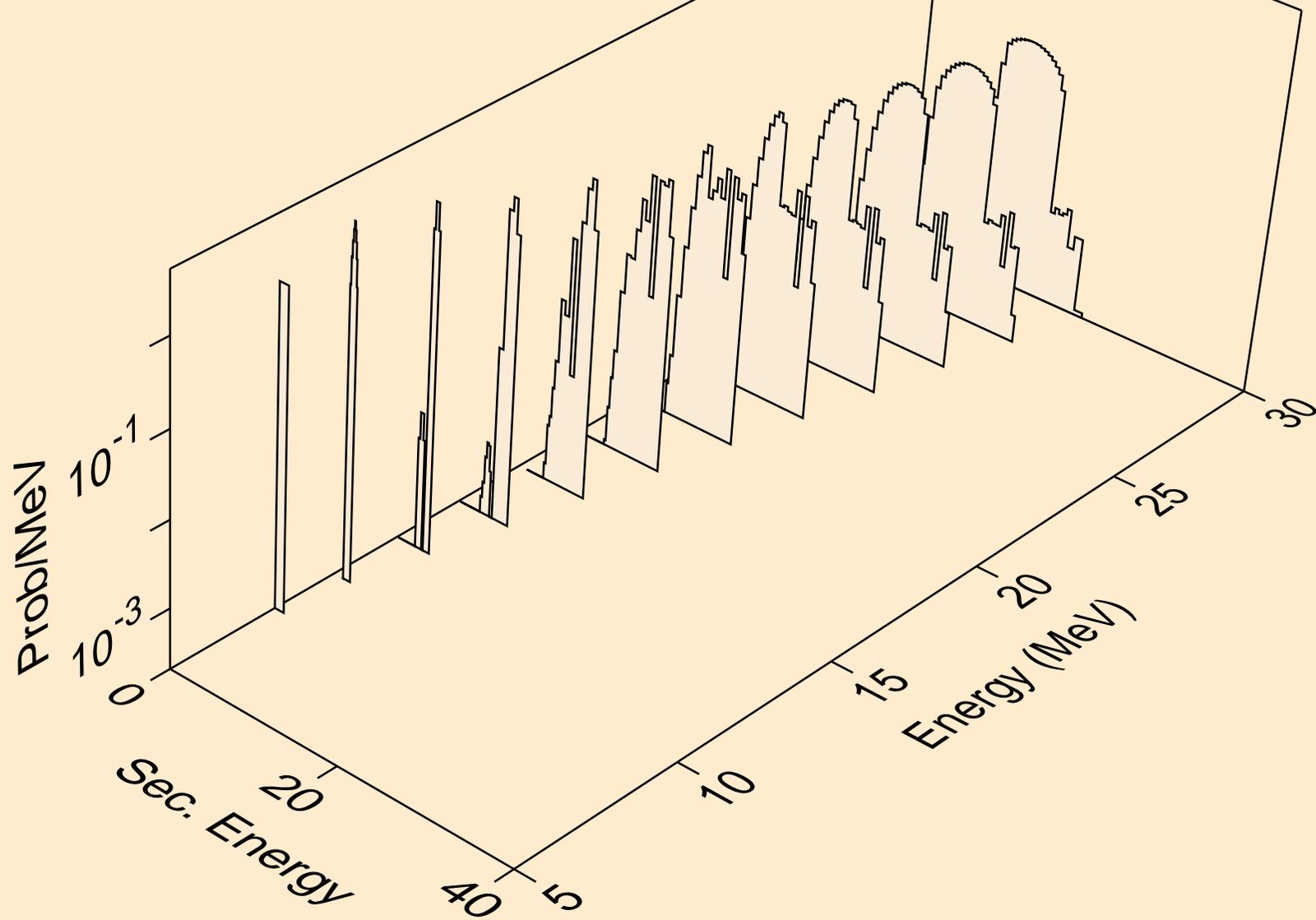
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,x)



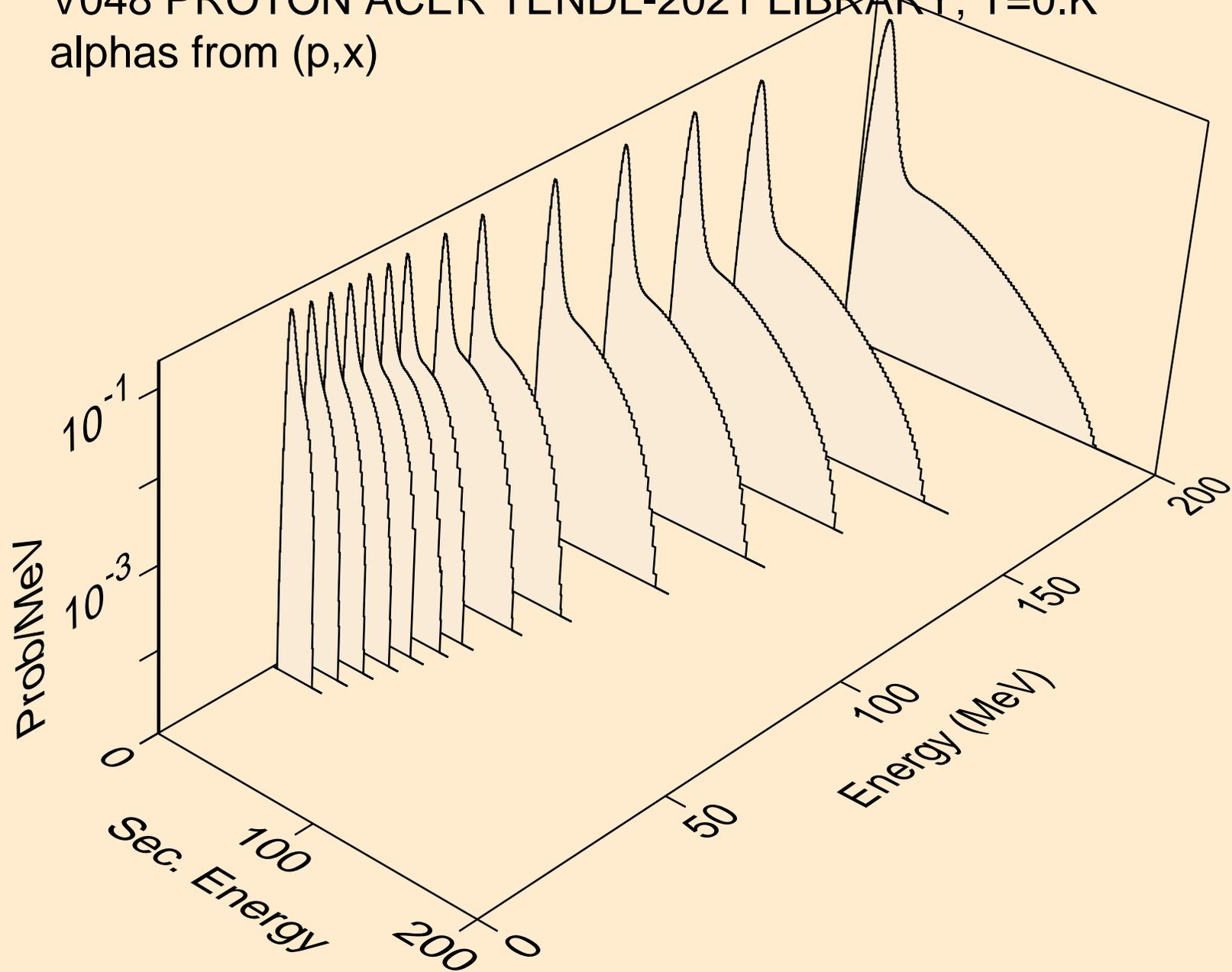
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,n\*)he3



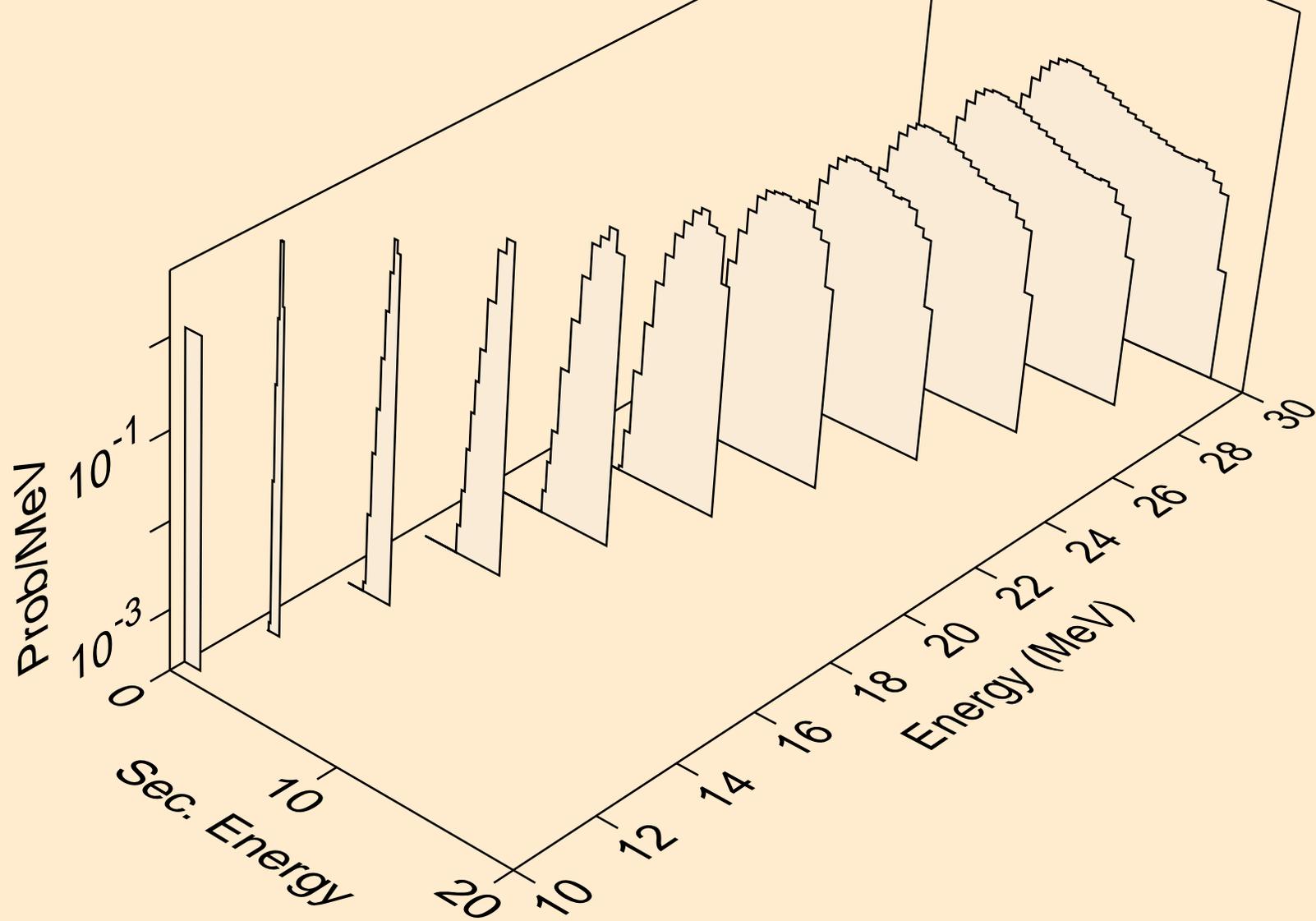
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,he3)



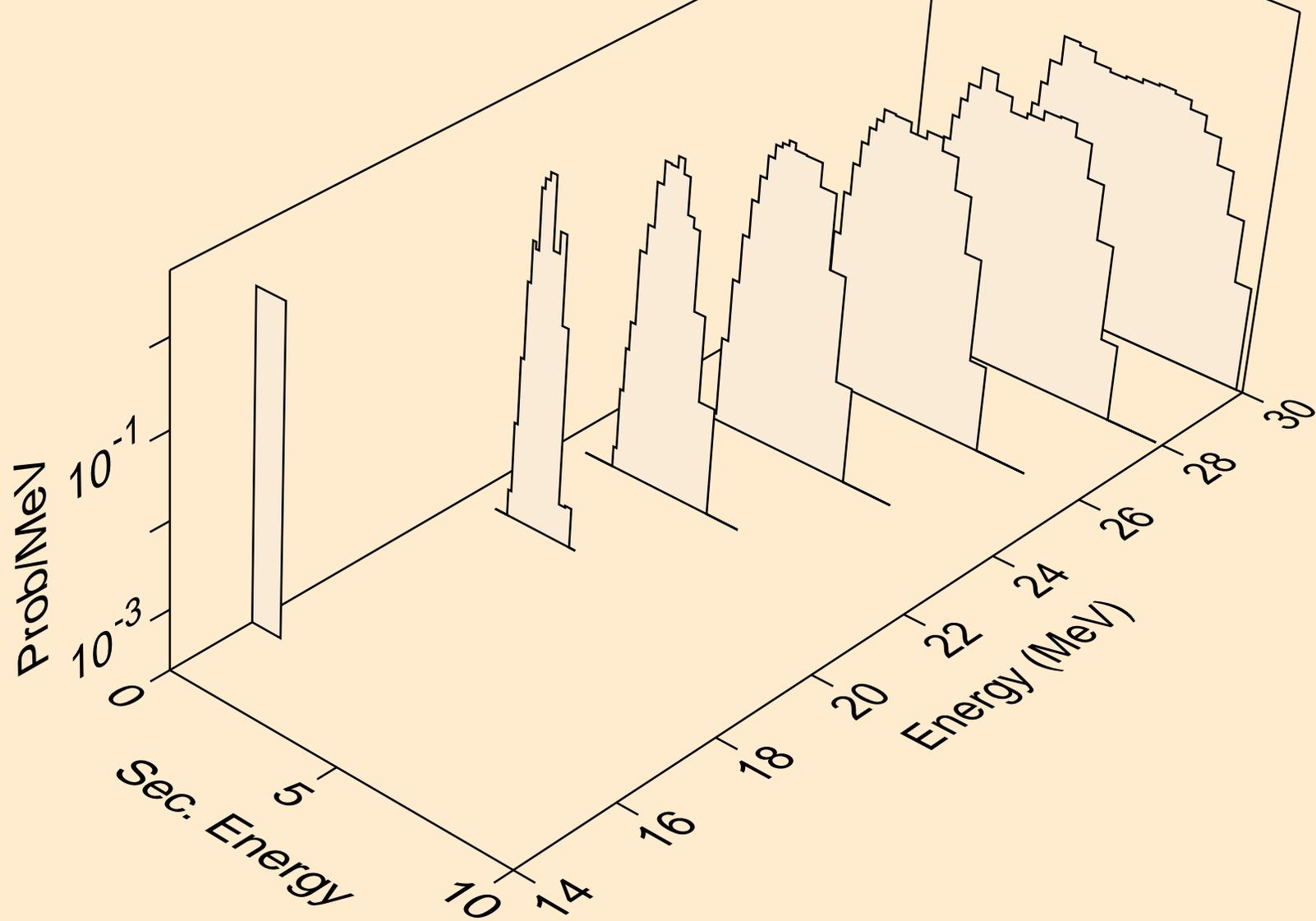
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,x)



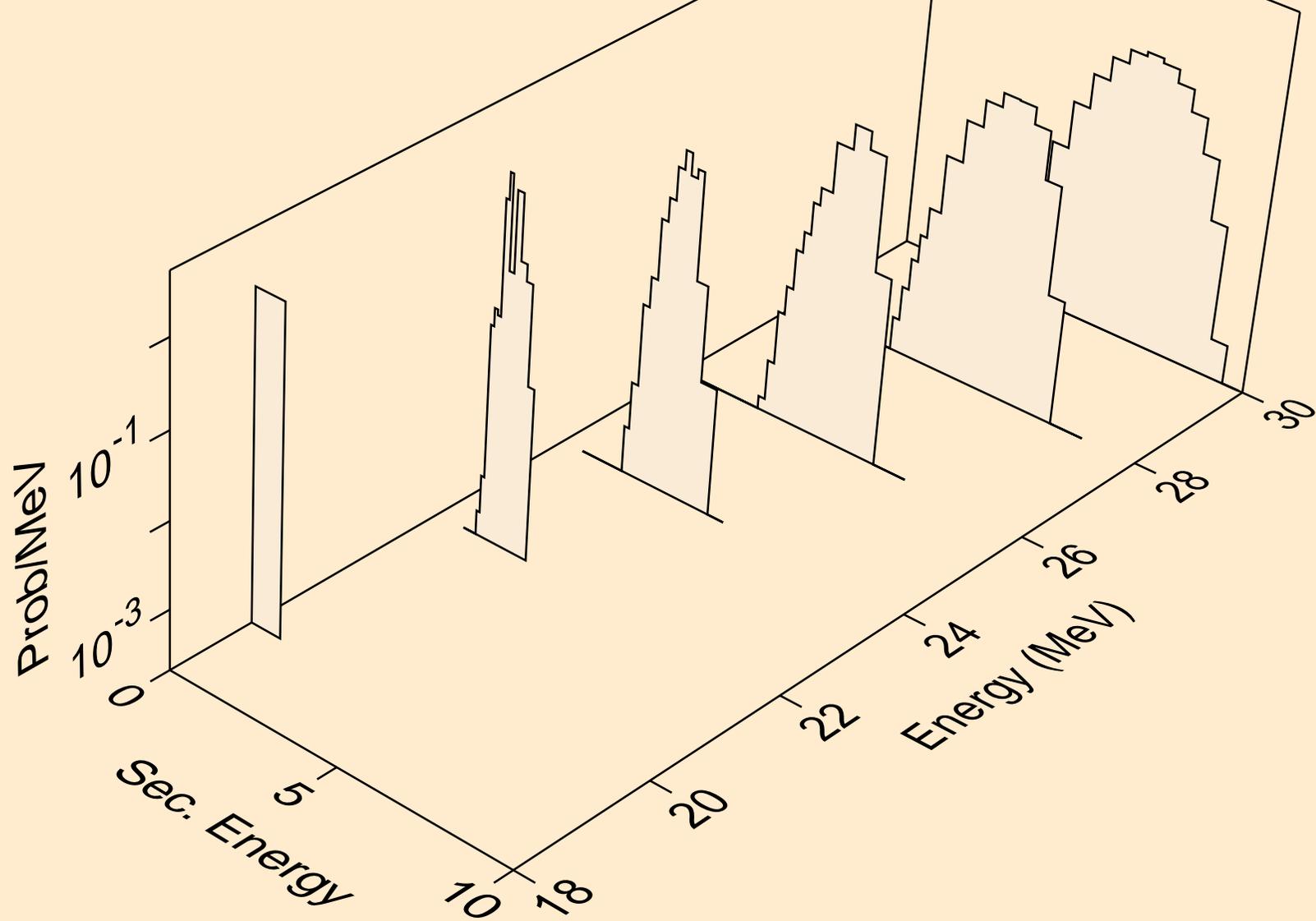
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)a



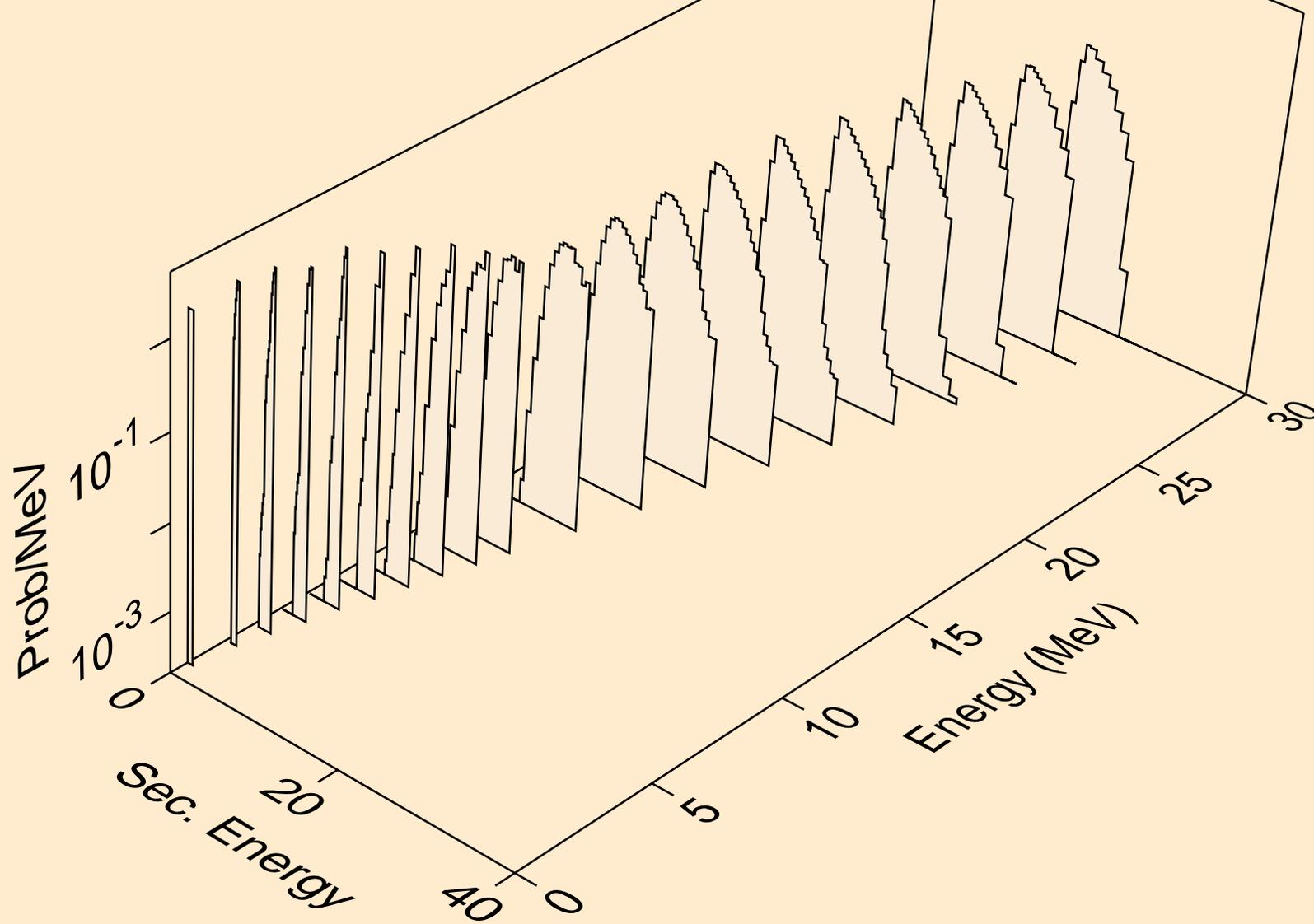
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)2a



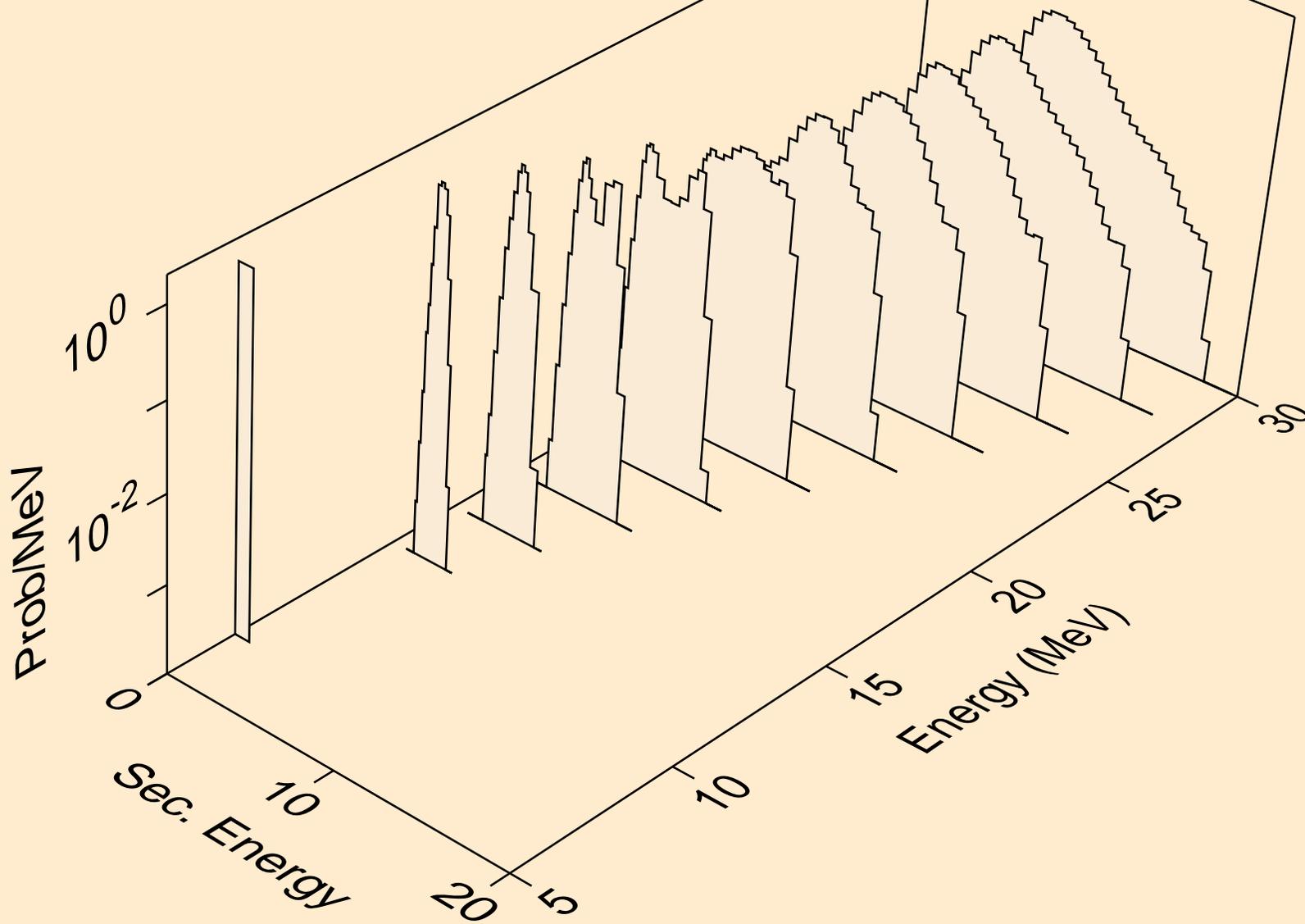
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,npa)



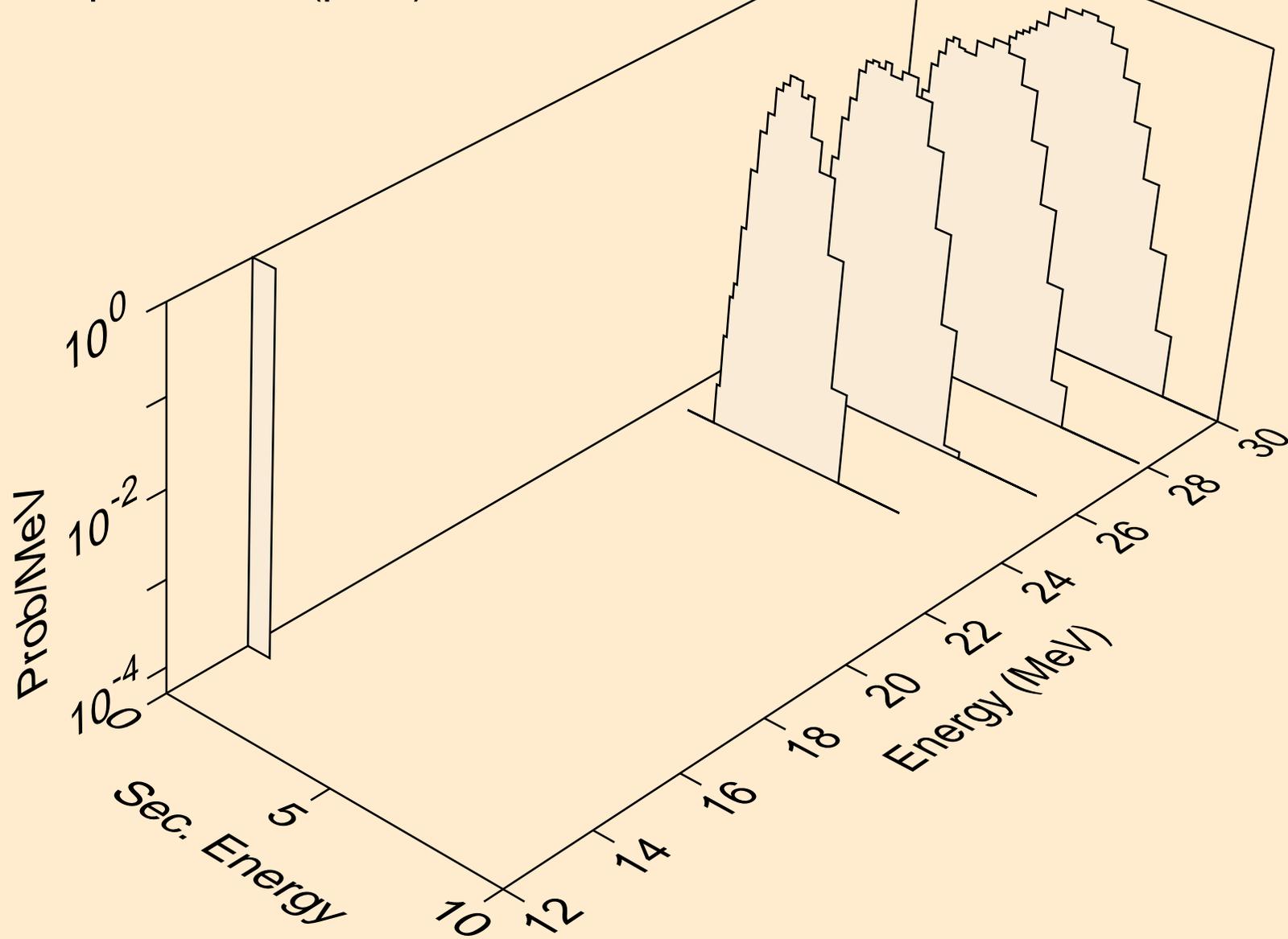
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,a)



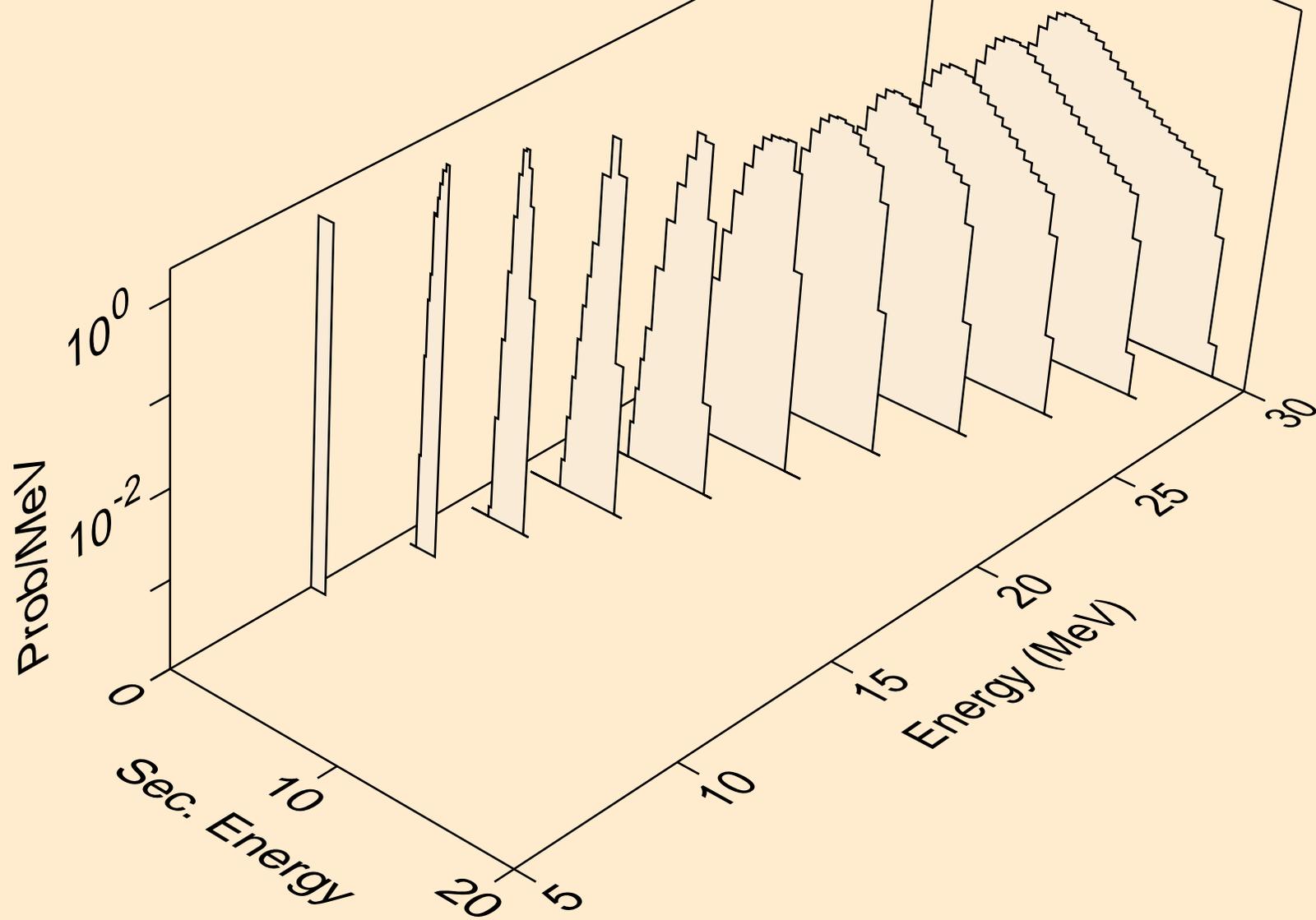
V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2a)



V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,3a)



V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,pa)



V048 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,da)

