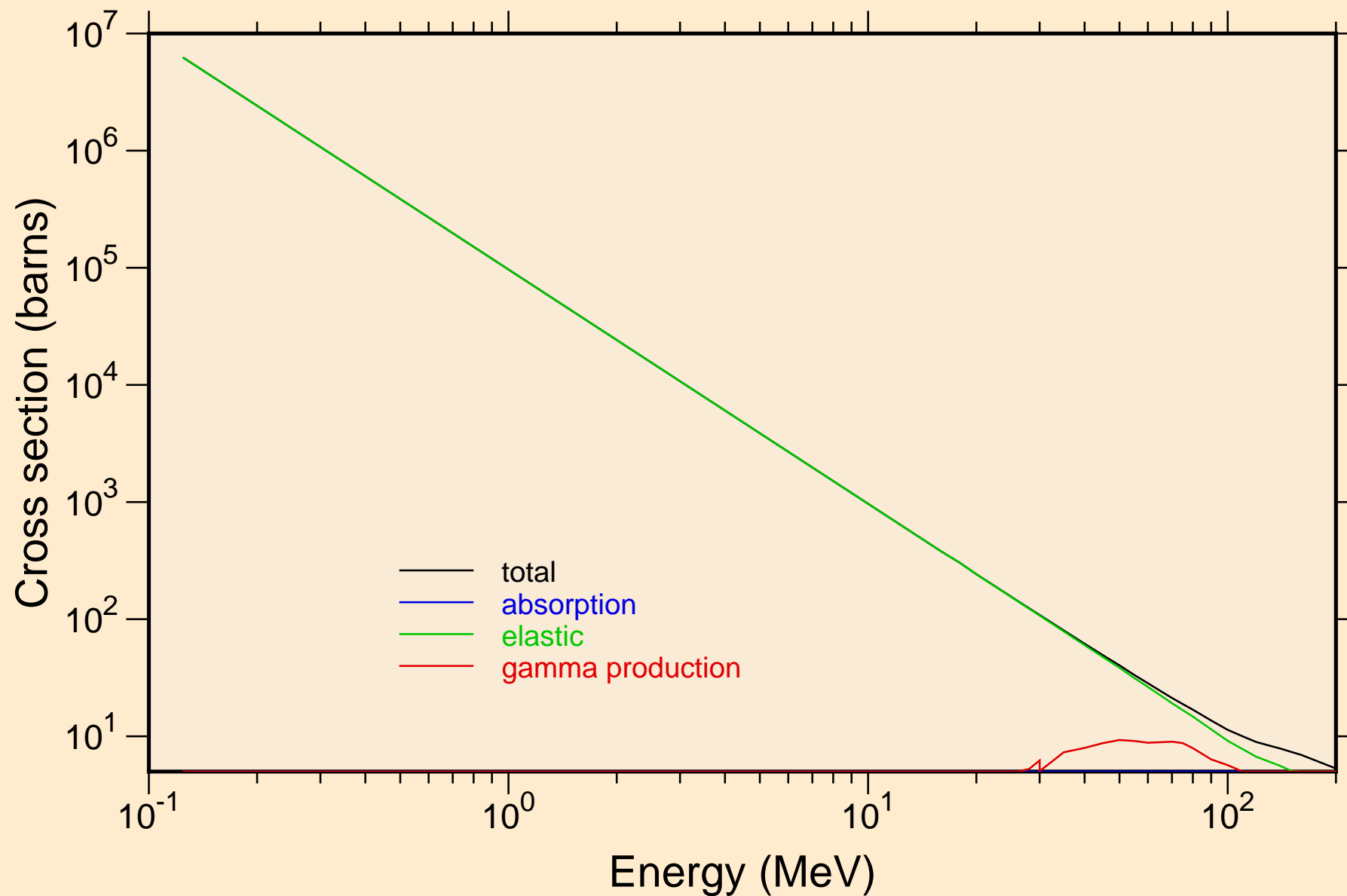


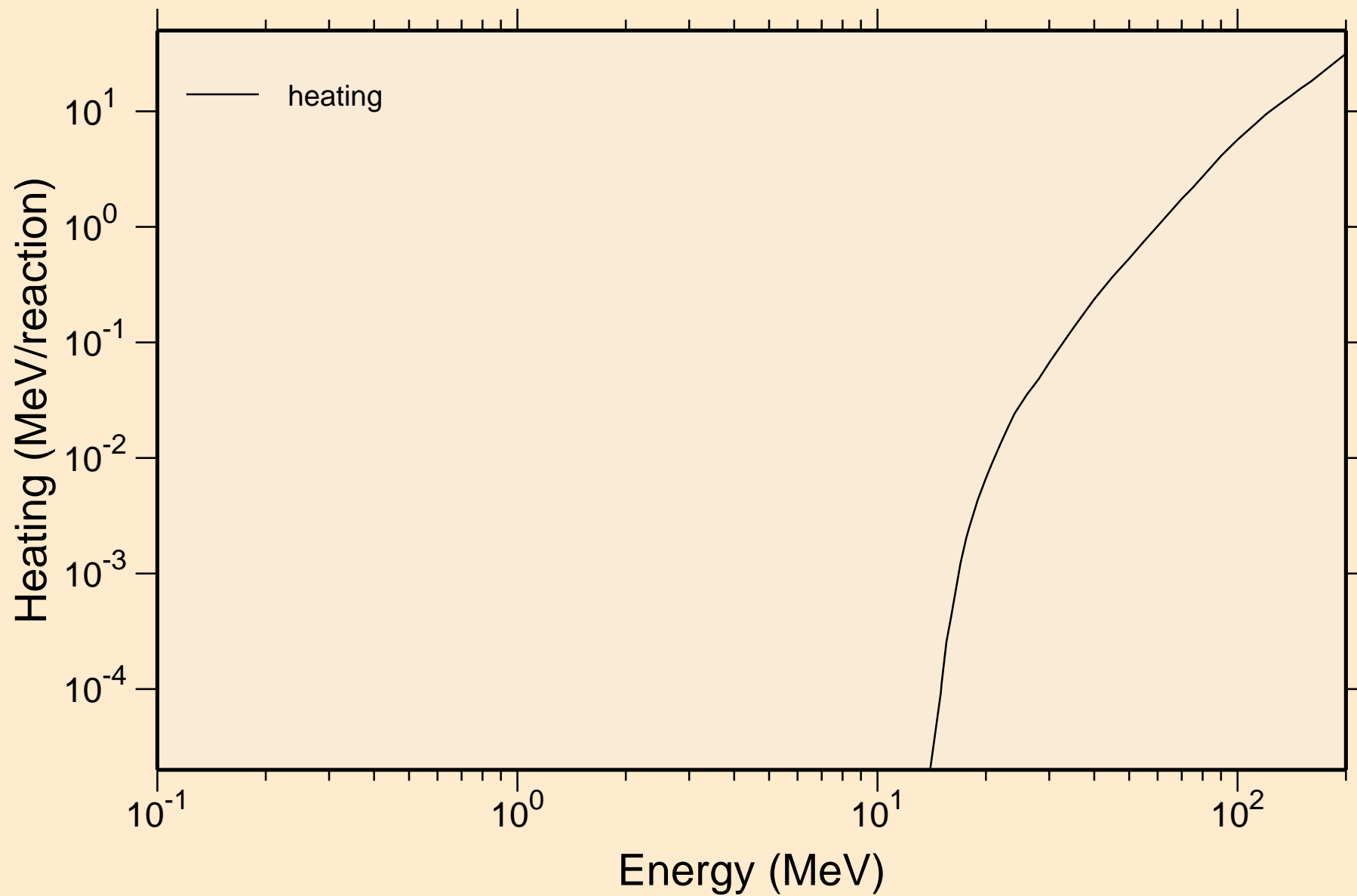
# PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



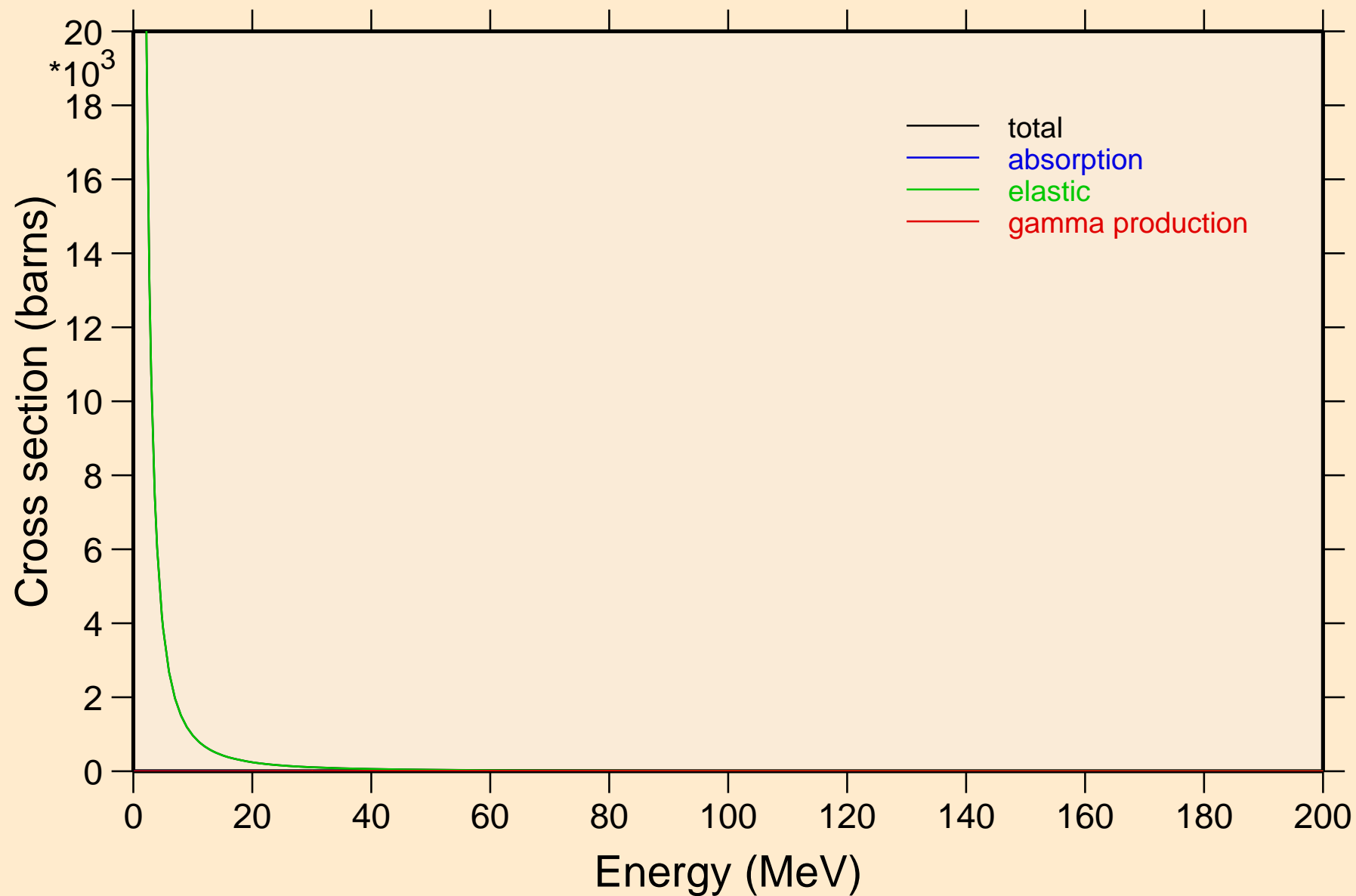
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Heating



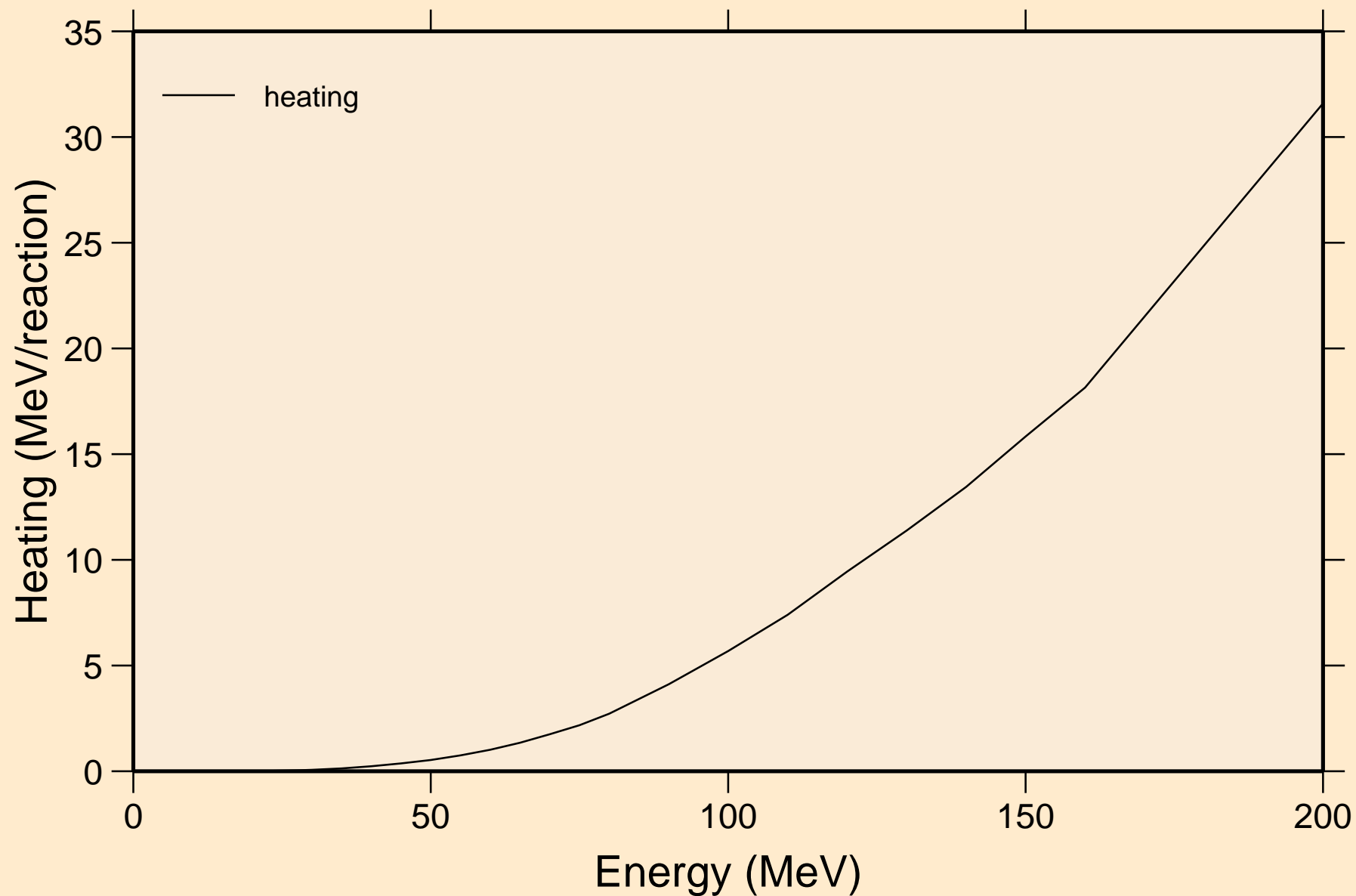
# PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



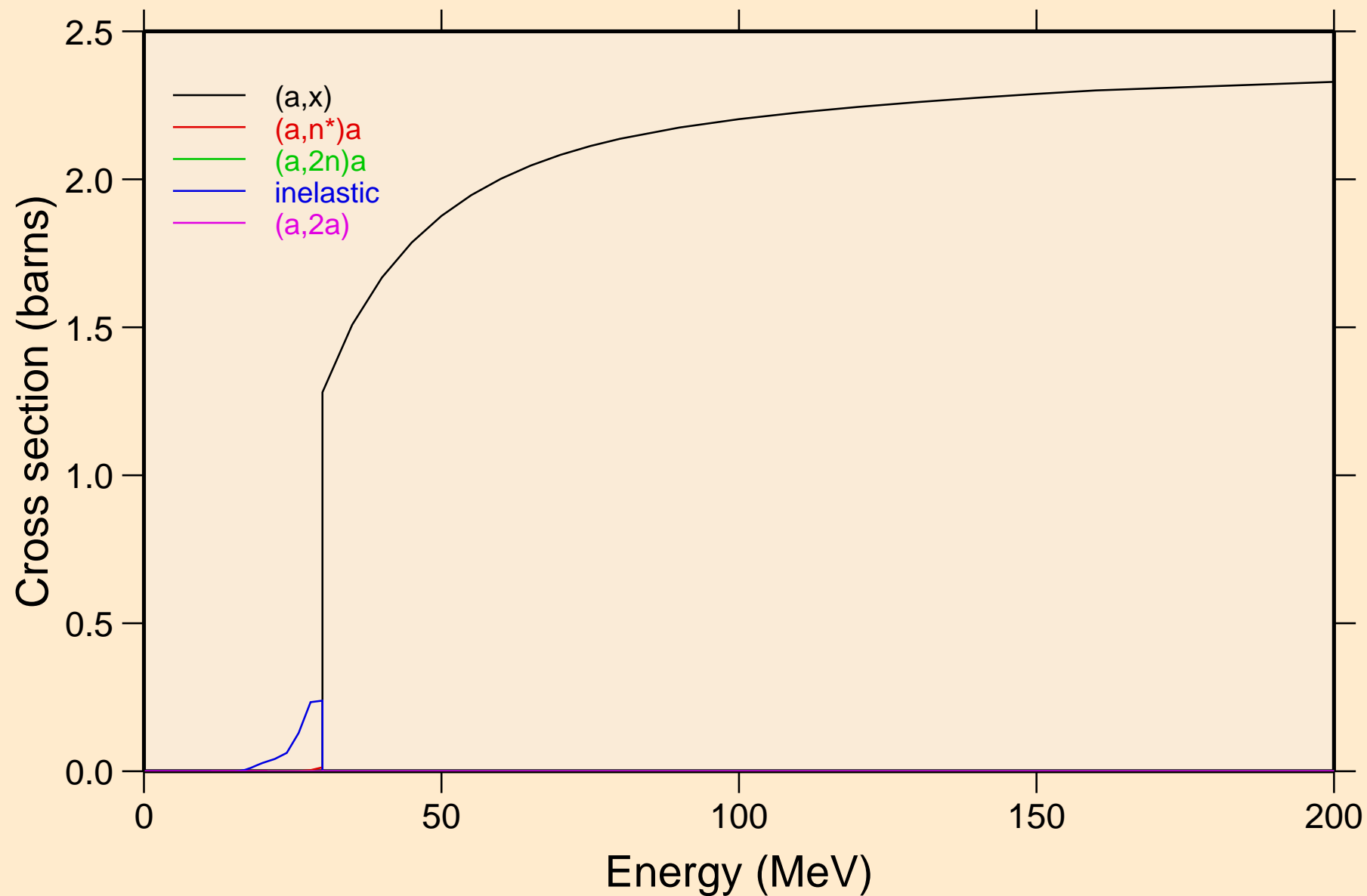
# PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Heating



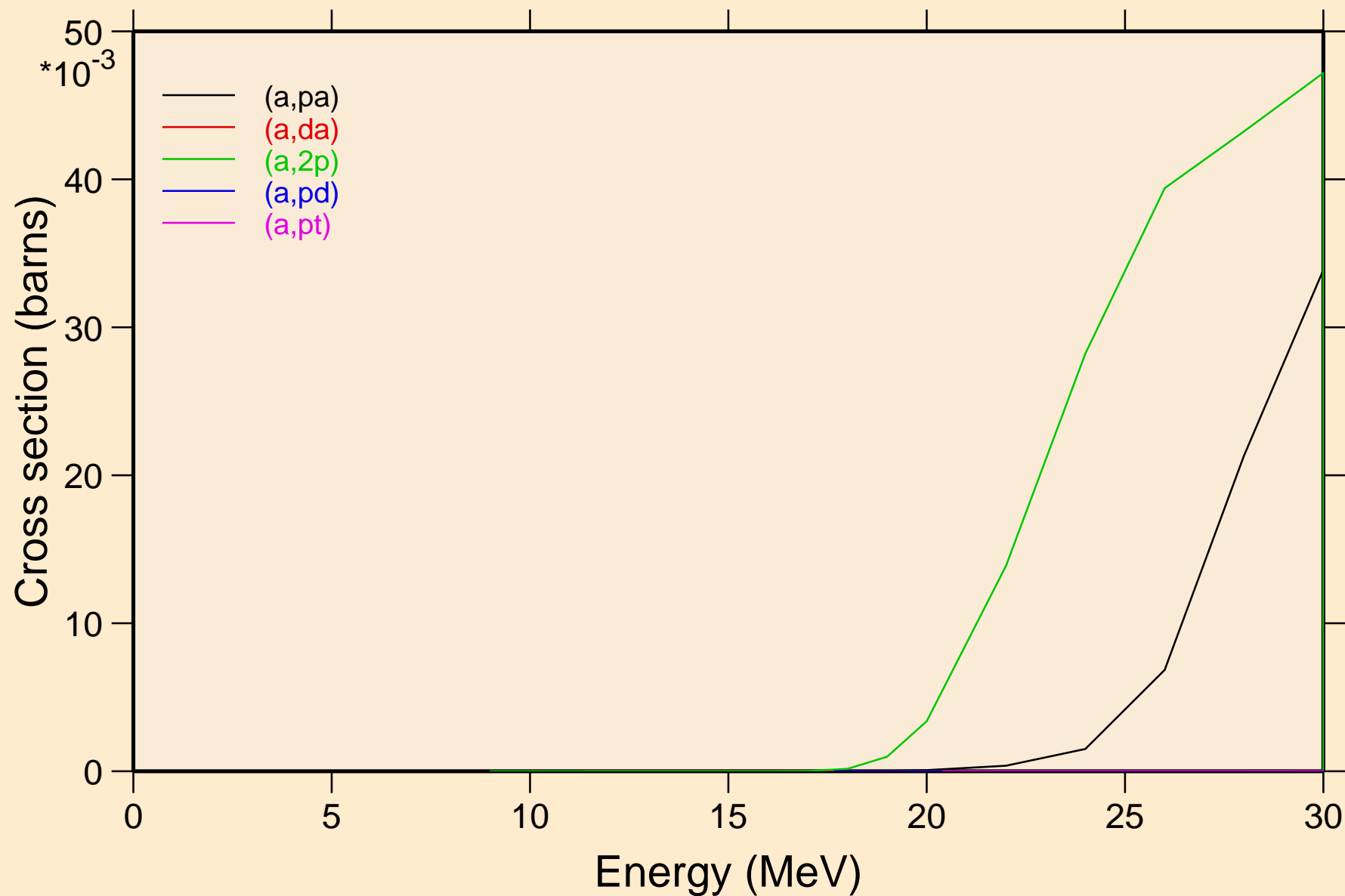
# PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



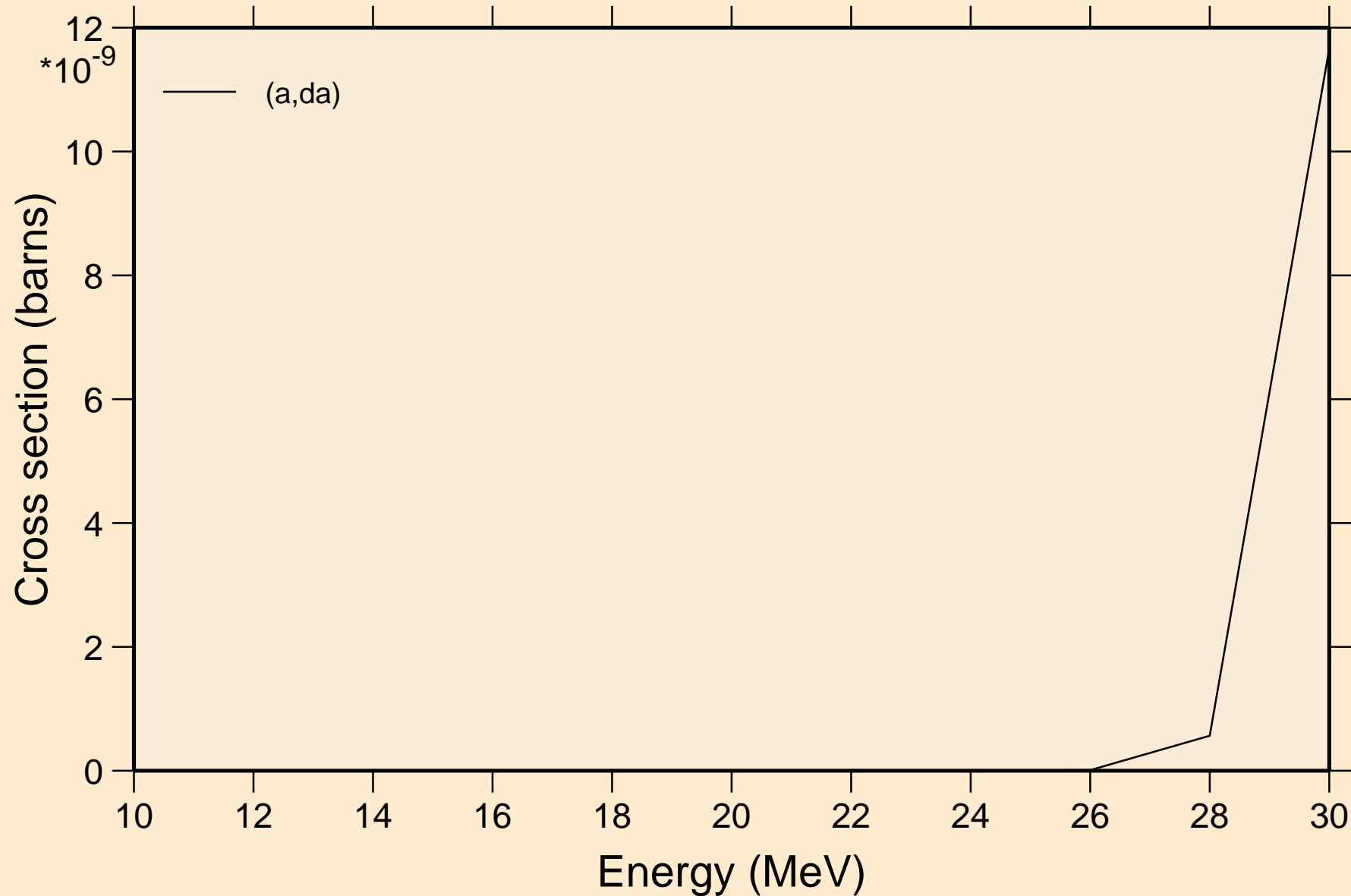
# PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions

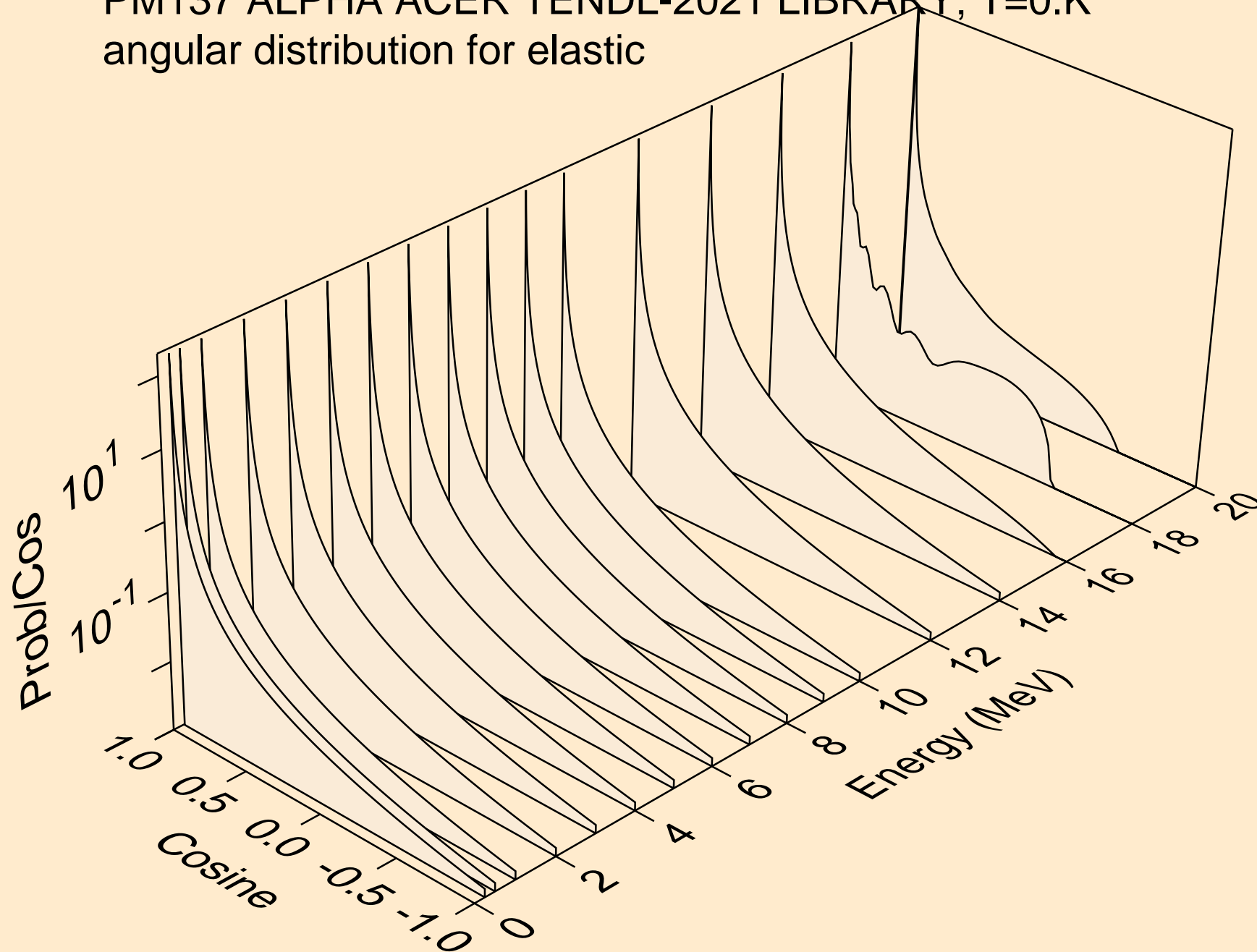


# PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Threshold reactions

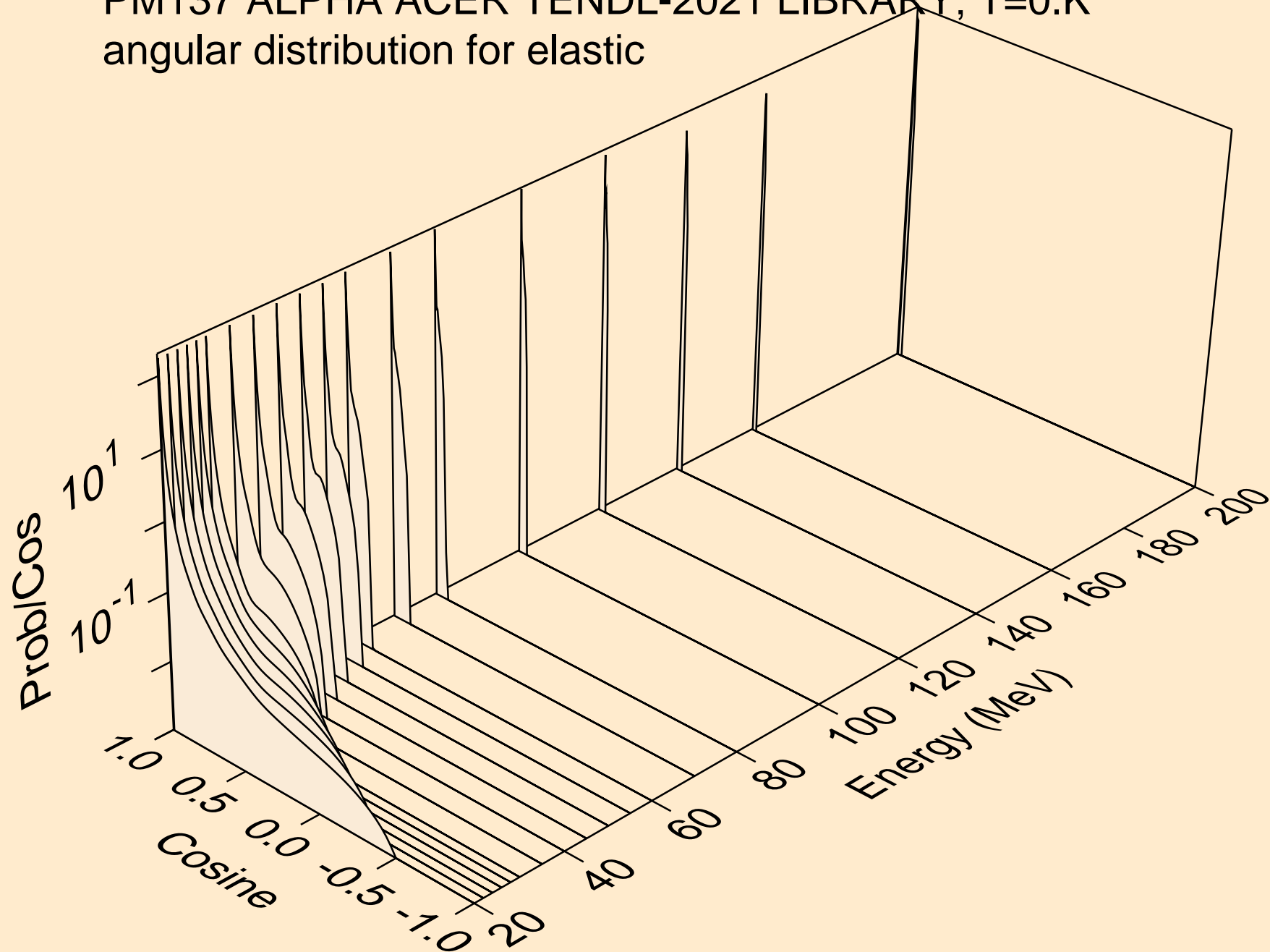


PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



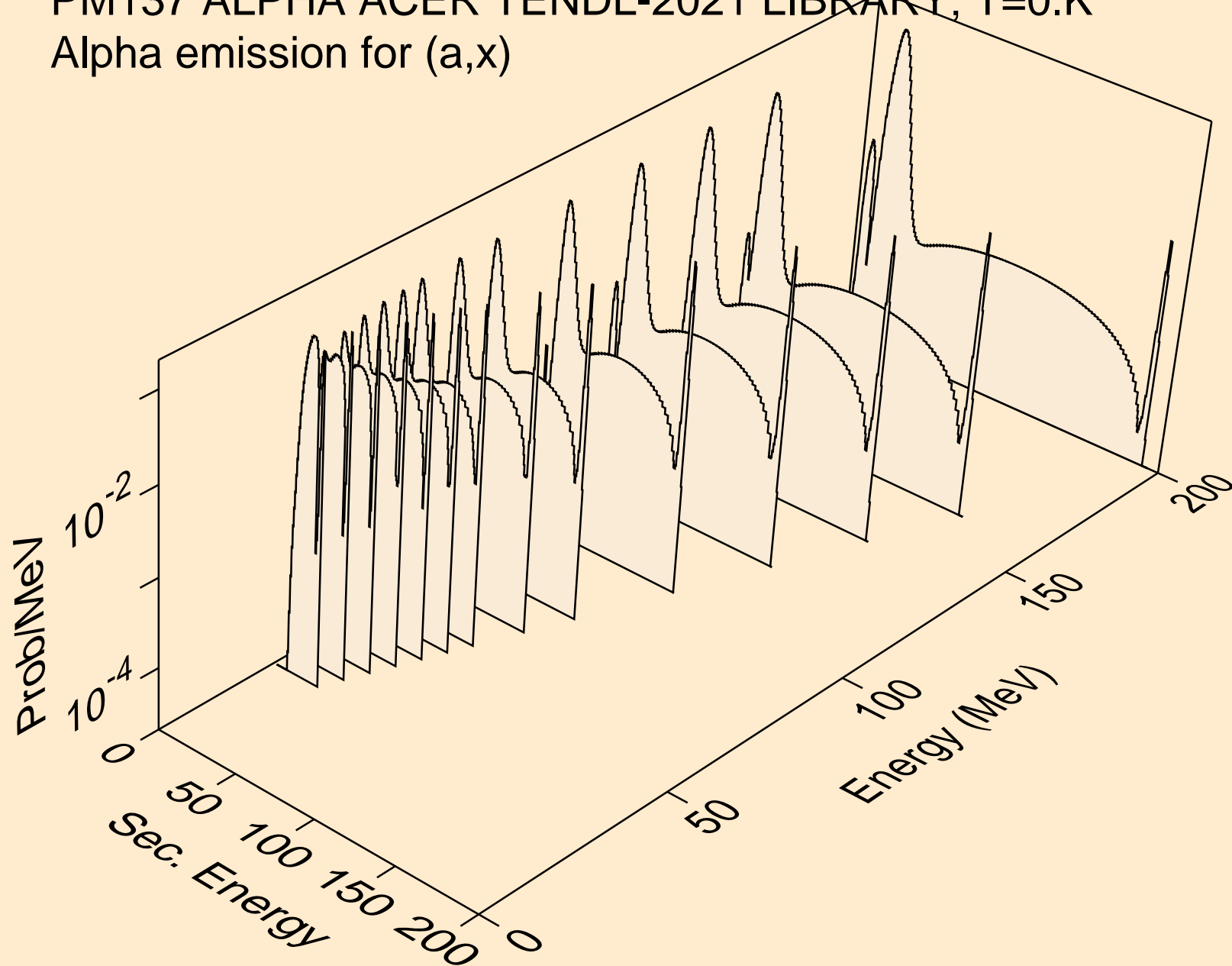


PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



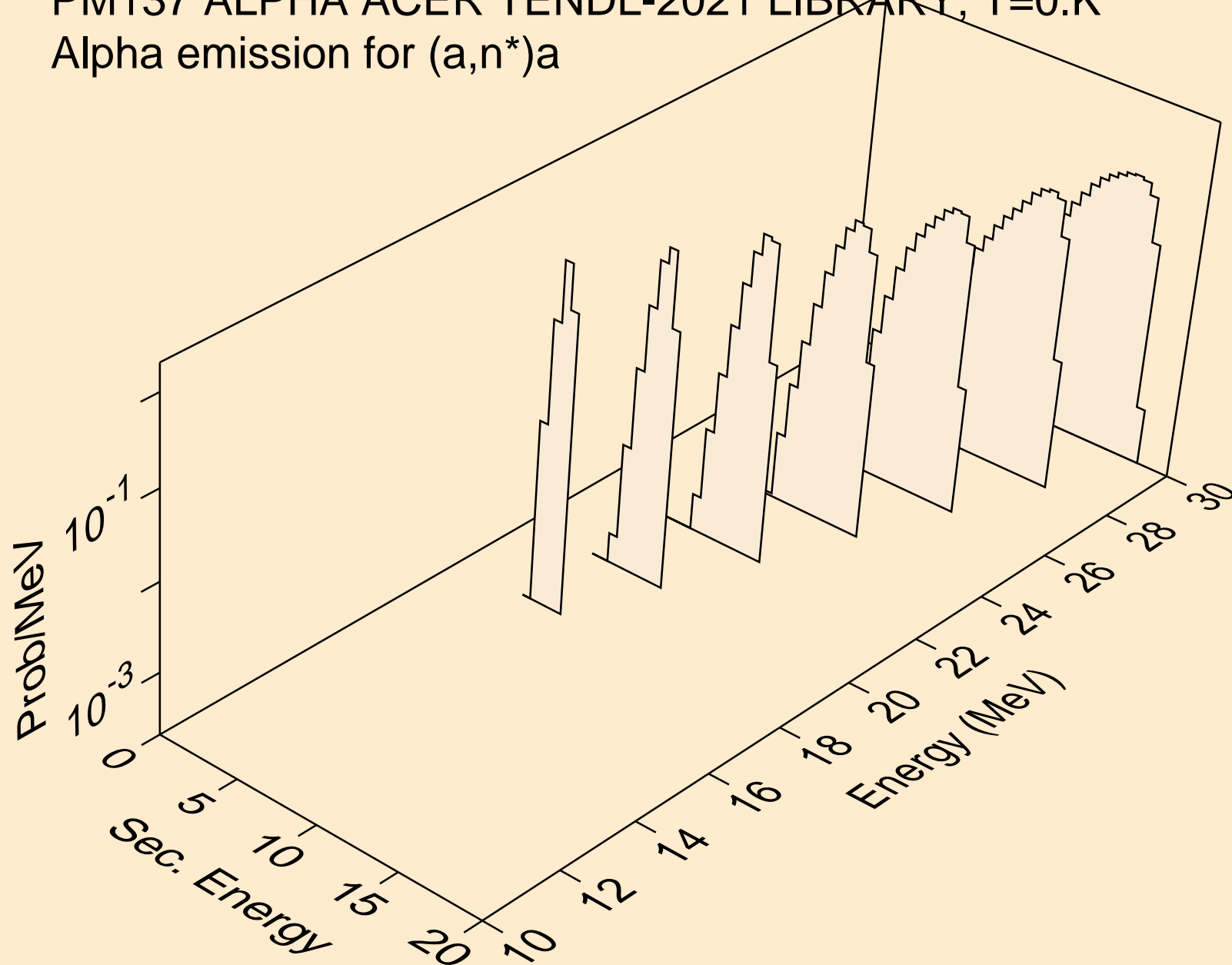
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Alpha emission for (a,x)



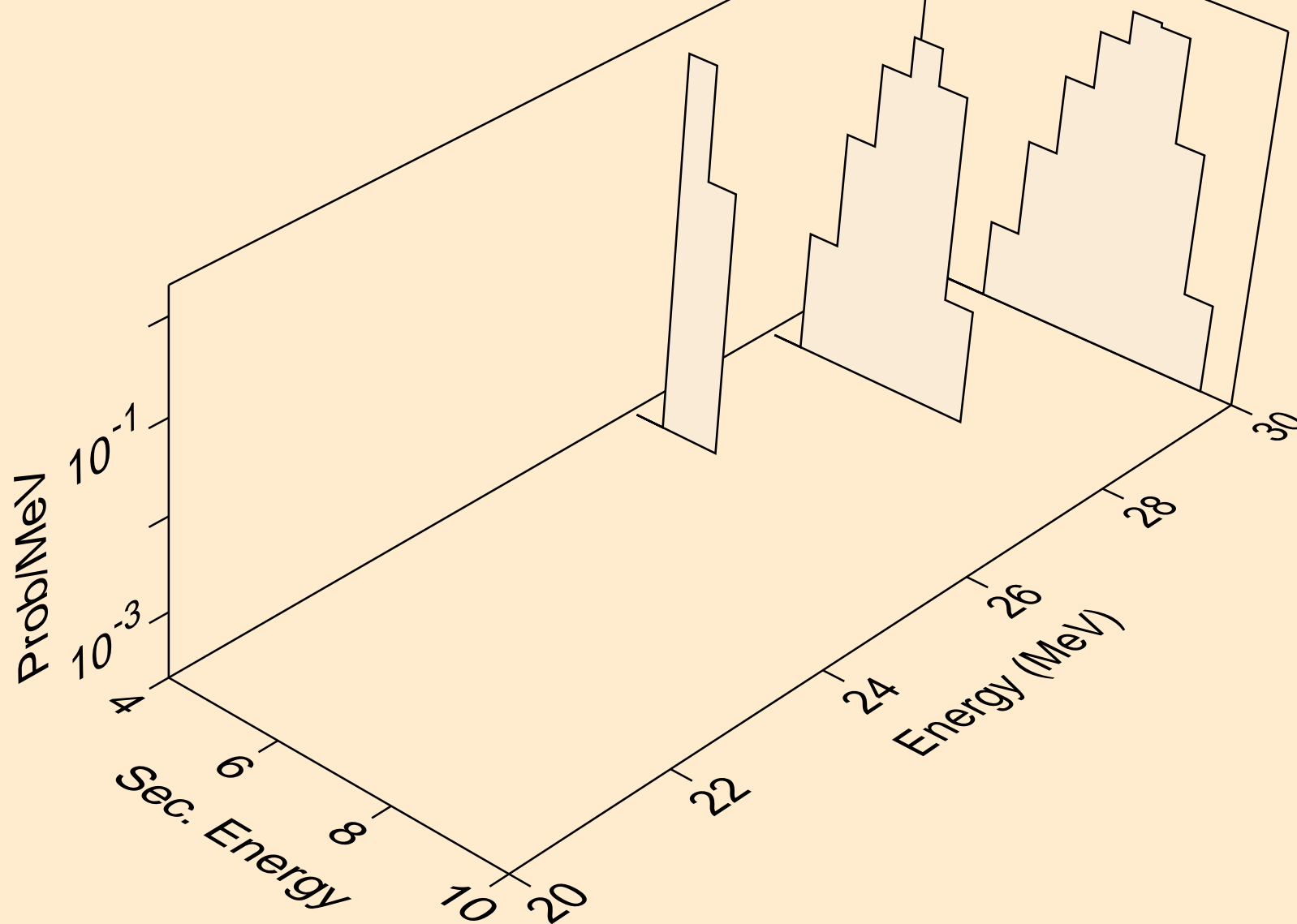
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Alpha emission for (a,n\*)a

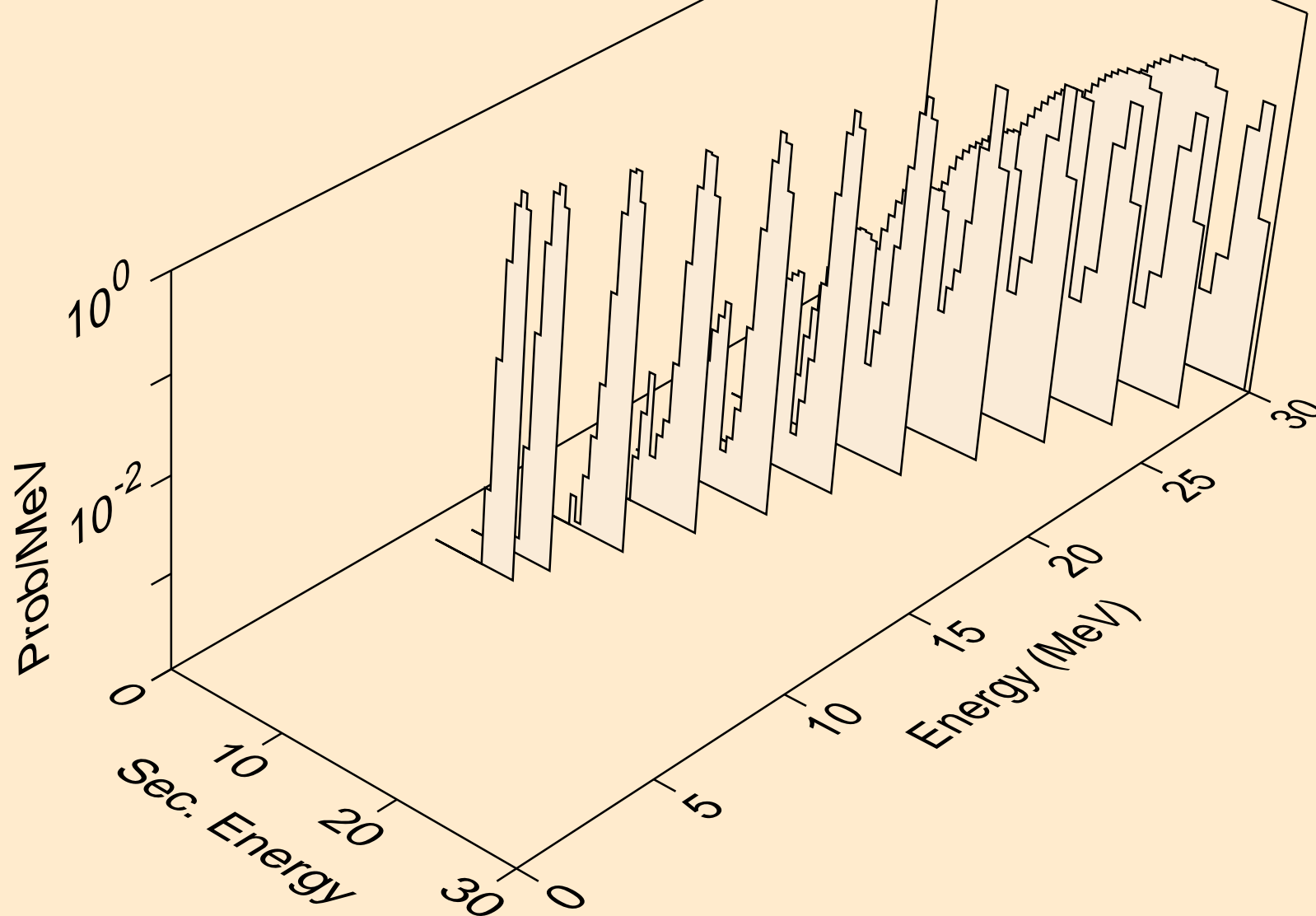


PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Alpha emission for (a,2n)a

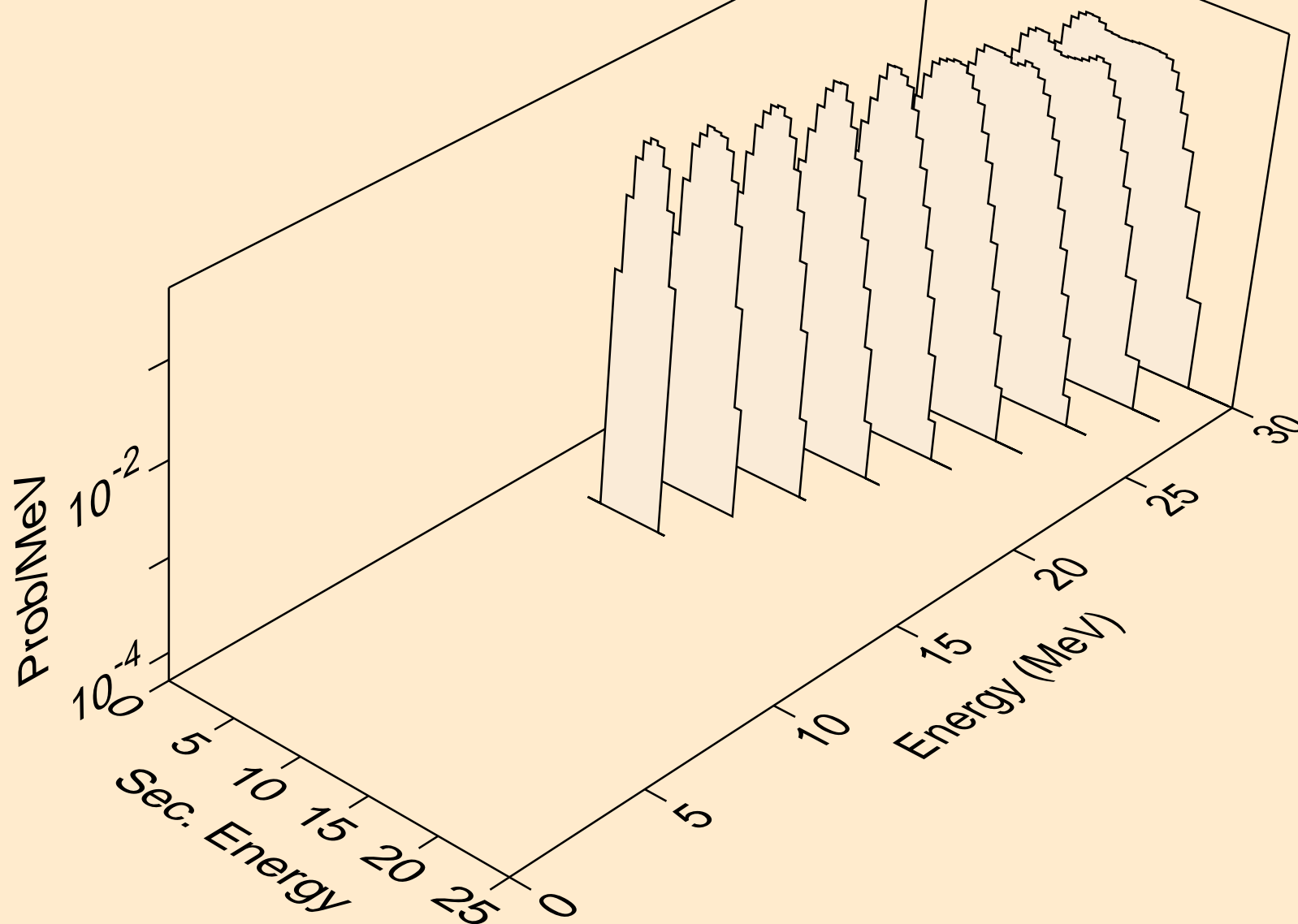


PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for inelastic



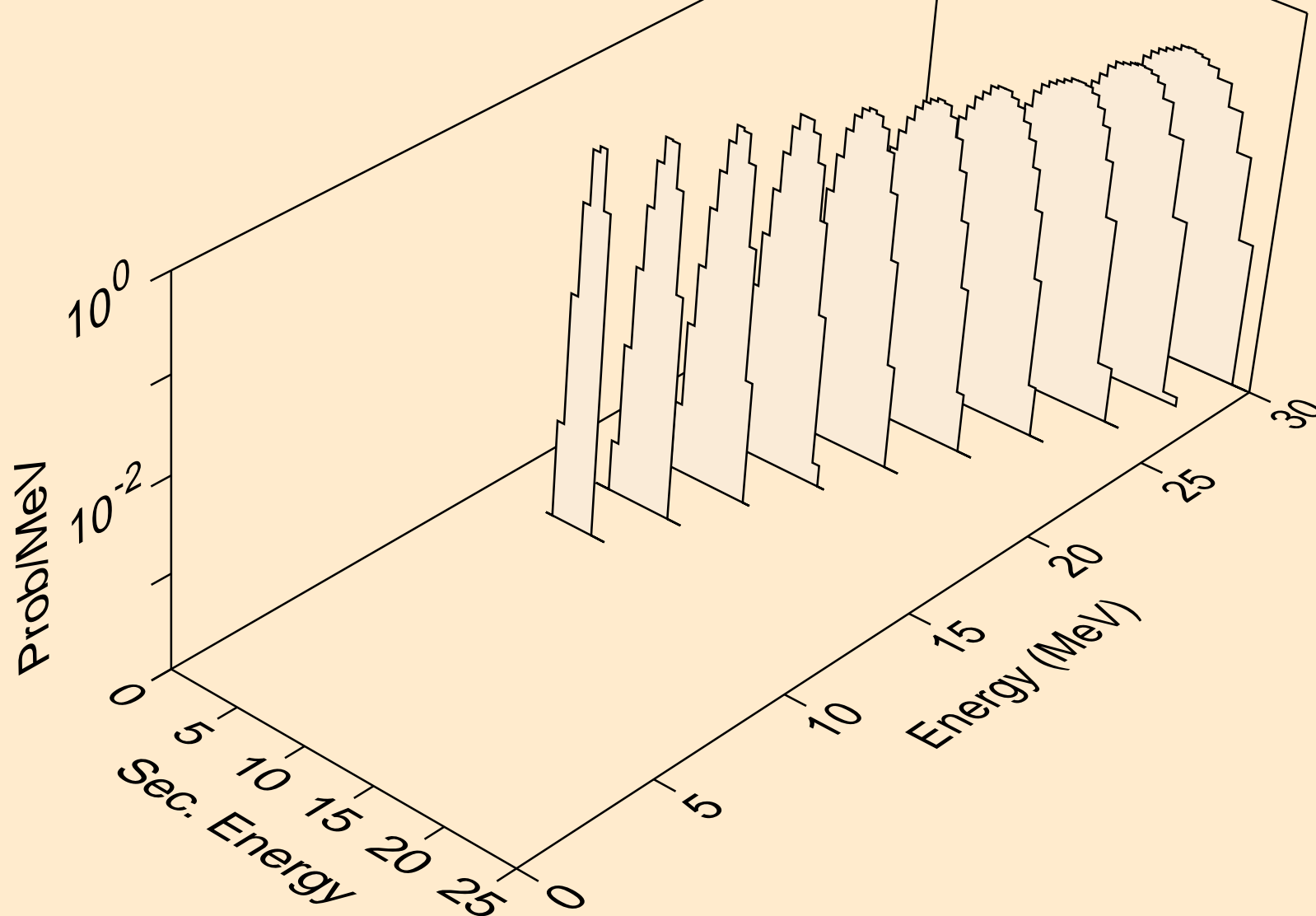
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Alpha emission for (a,2a)



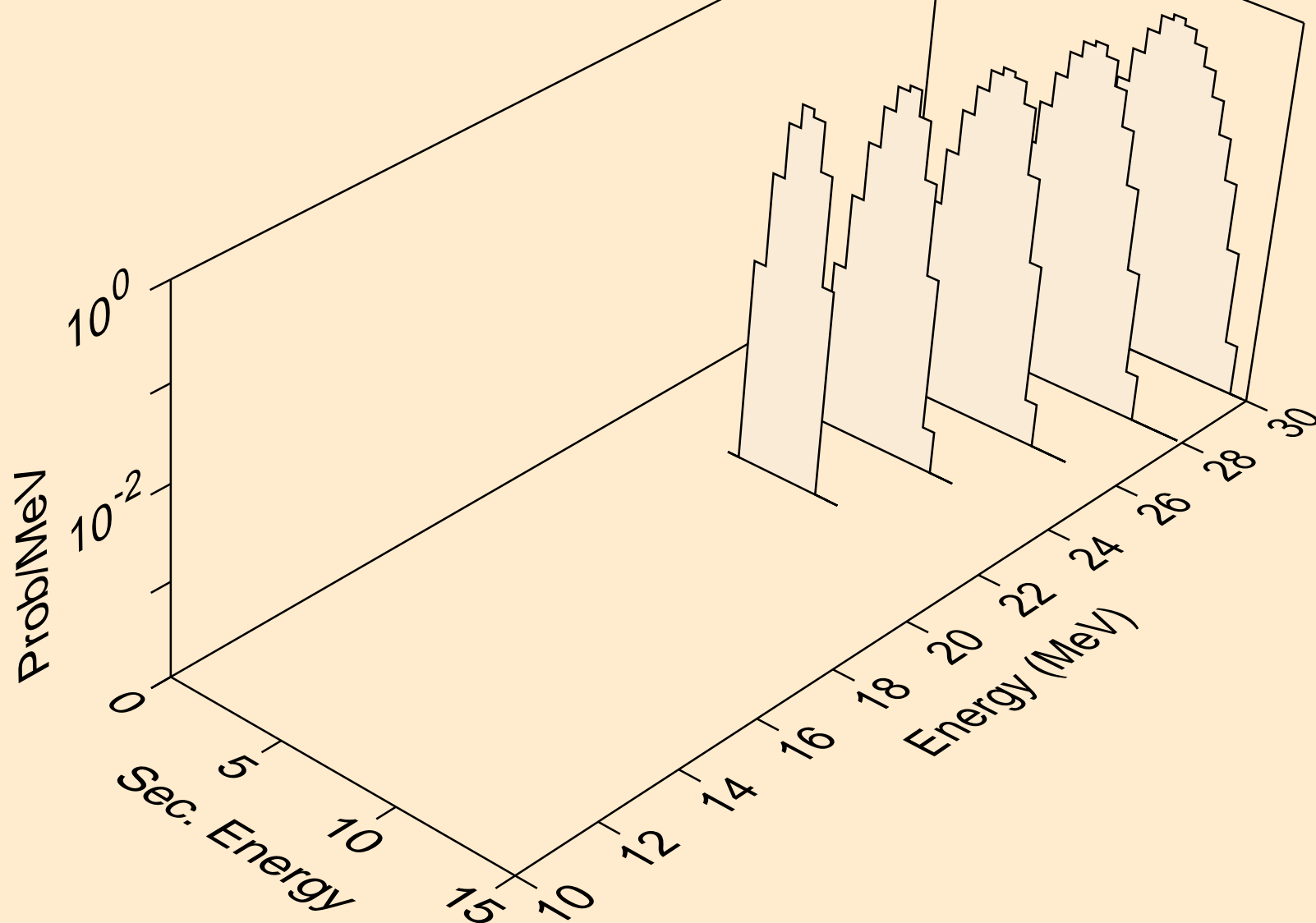
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Alpha emission for (a,pa)



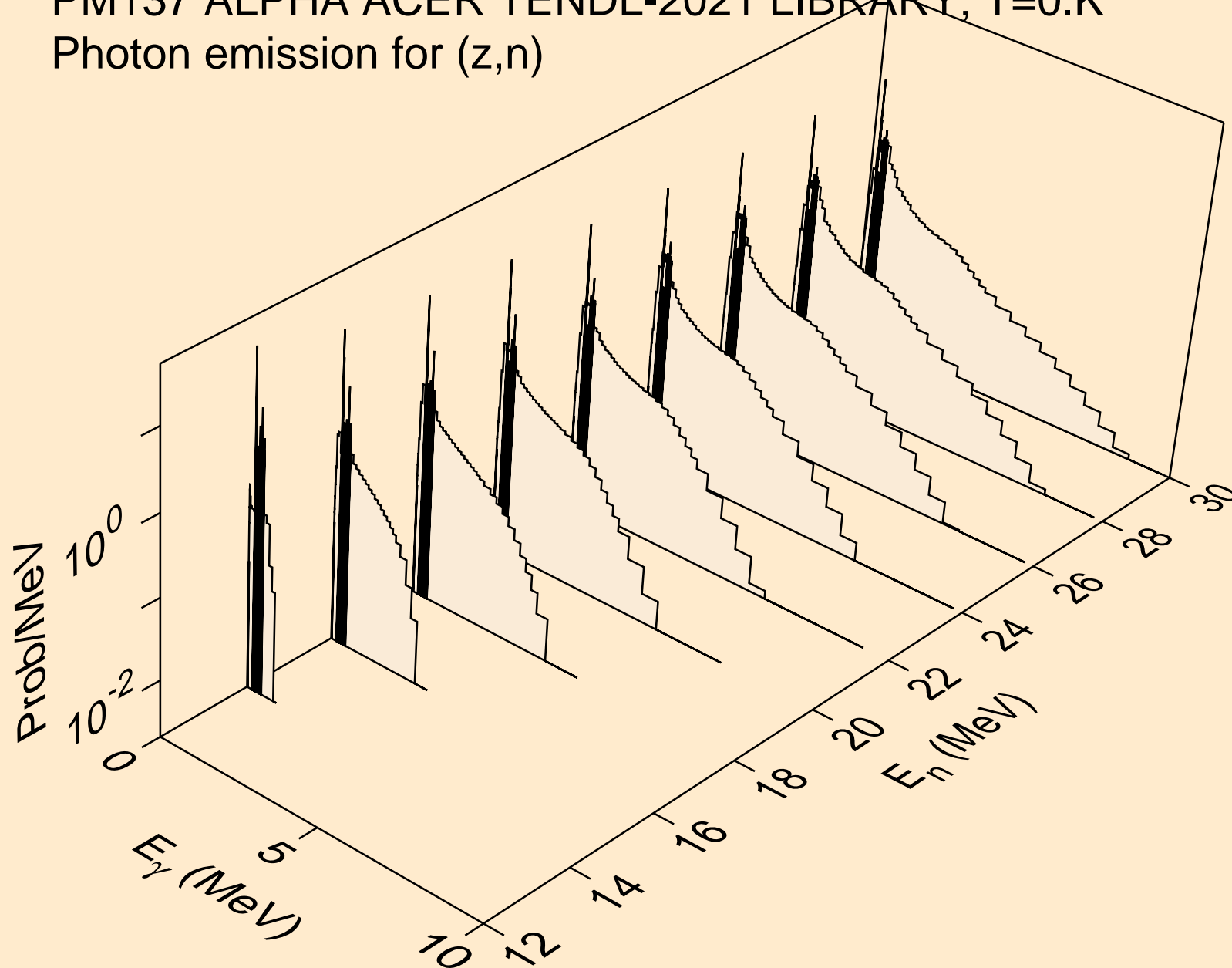
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Alpha emission for (a,da)



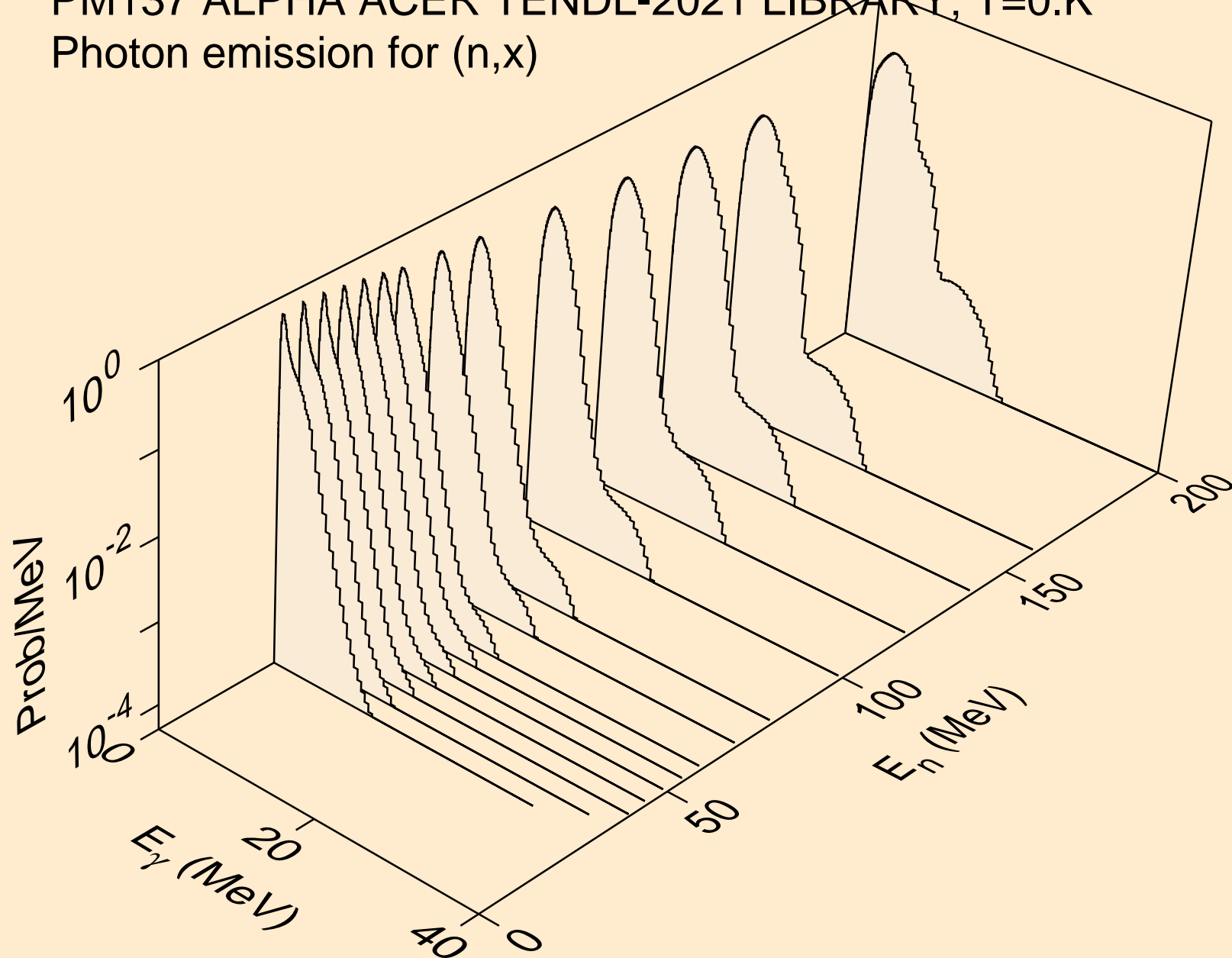


PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)

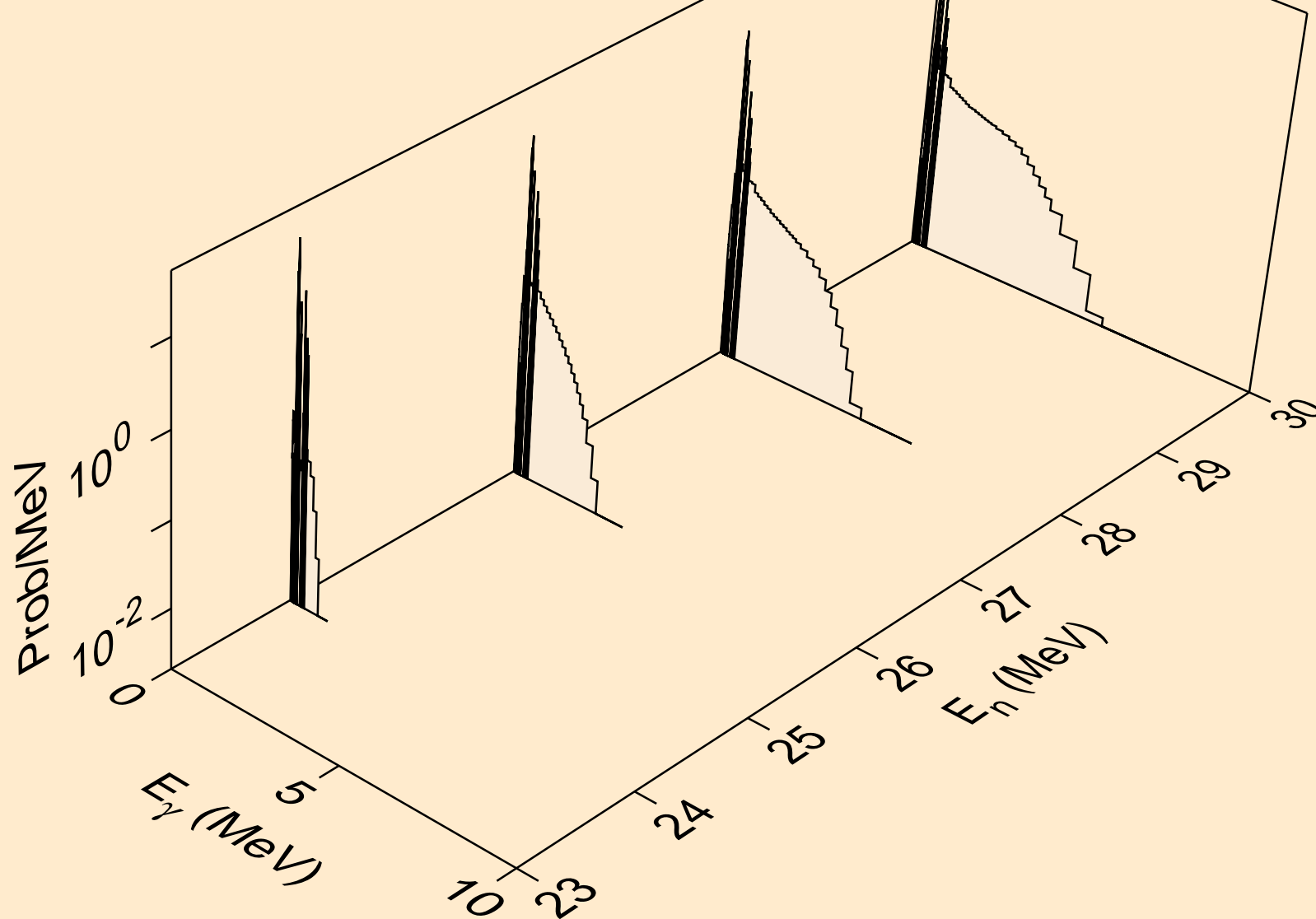


PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,x)

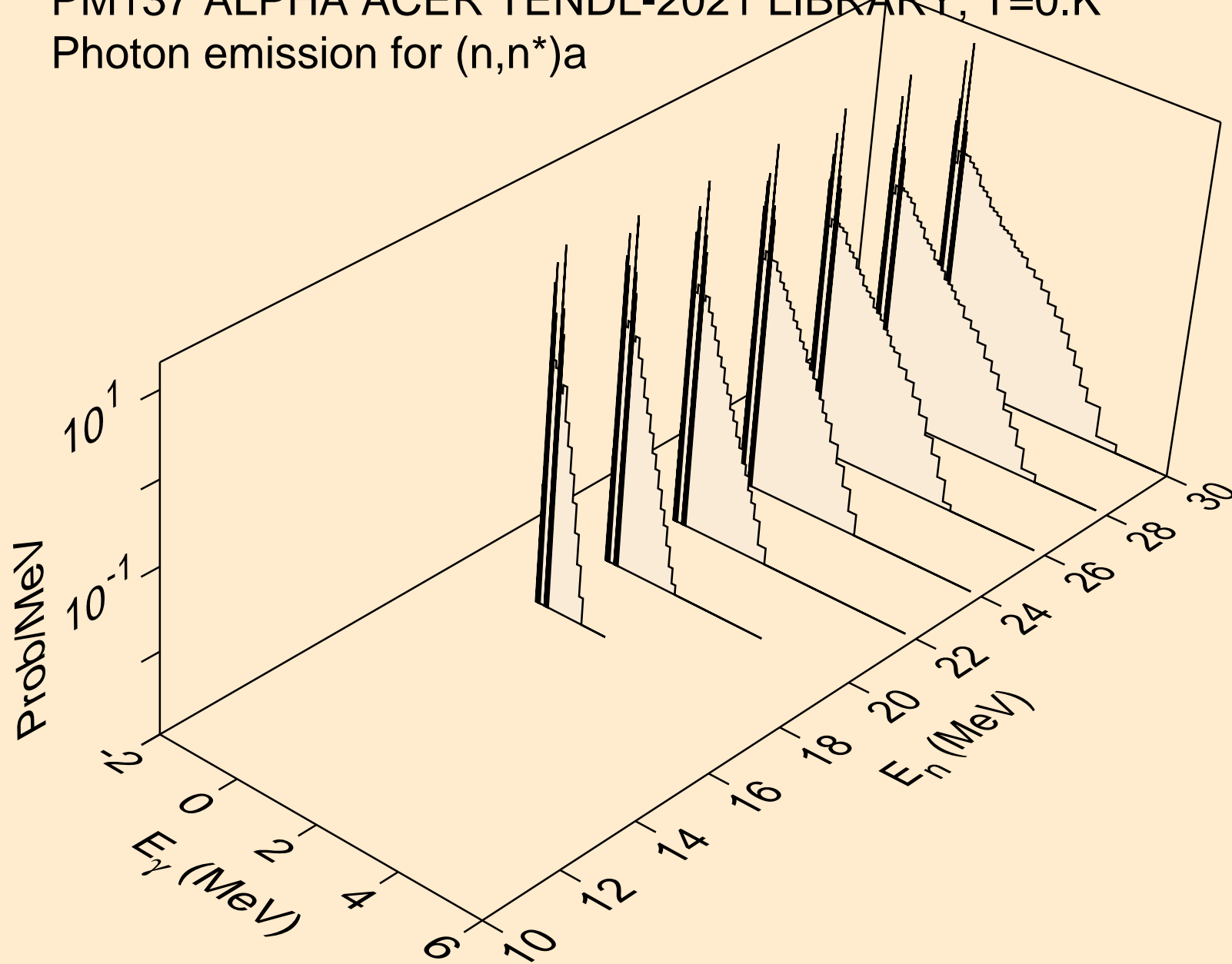


PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)



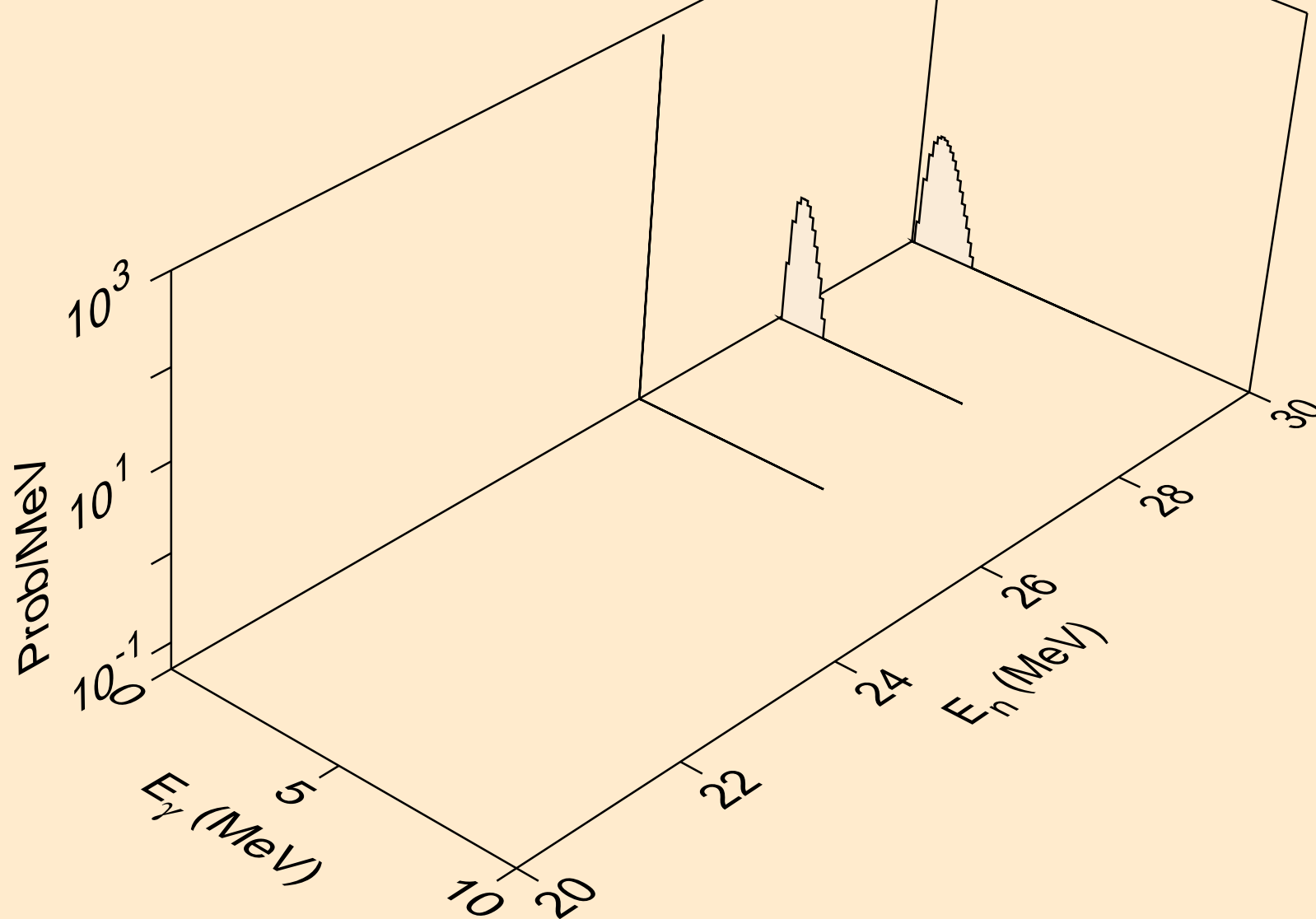
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,n\*)a



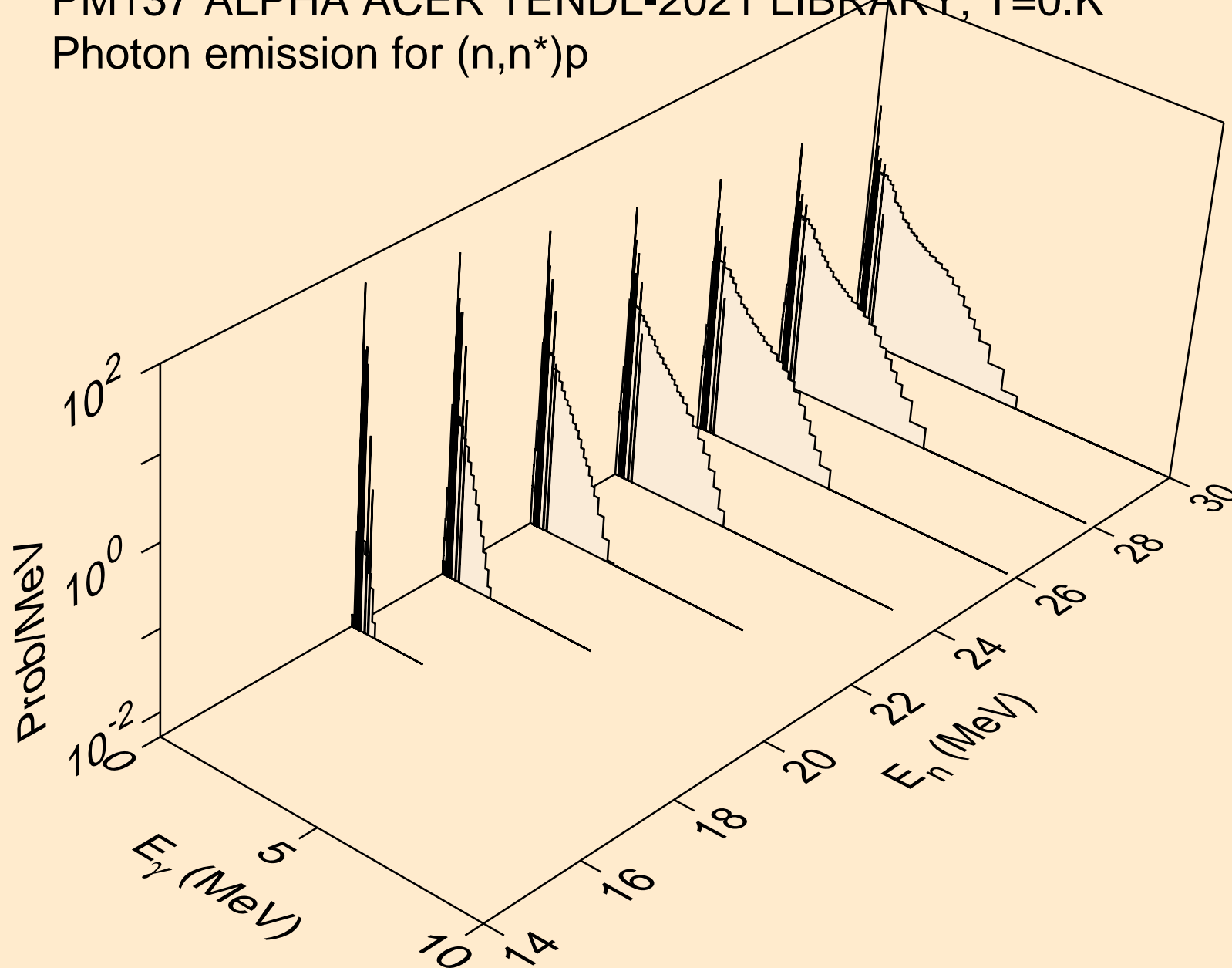
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

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



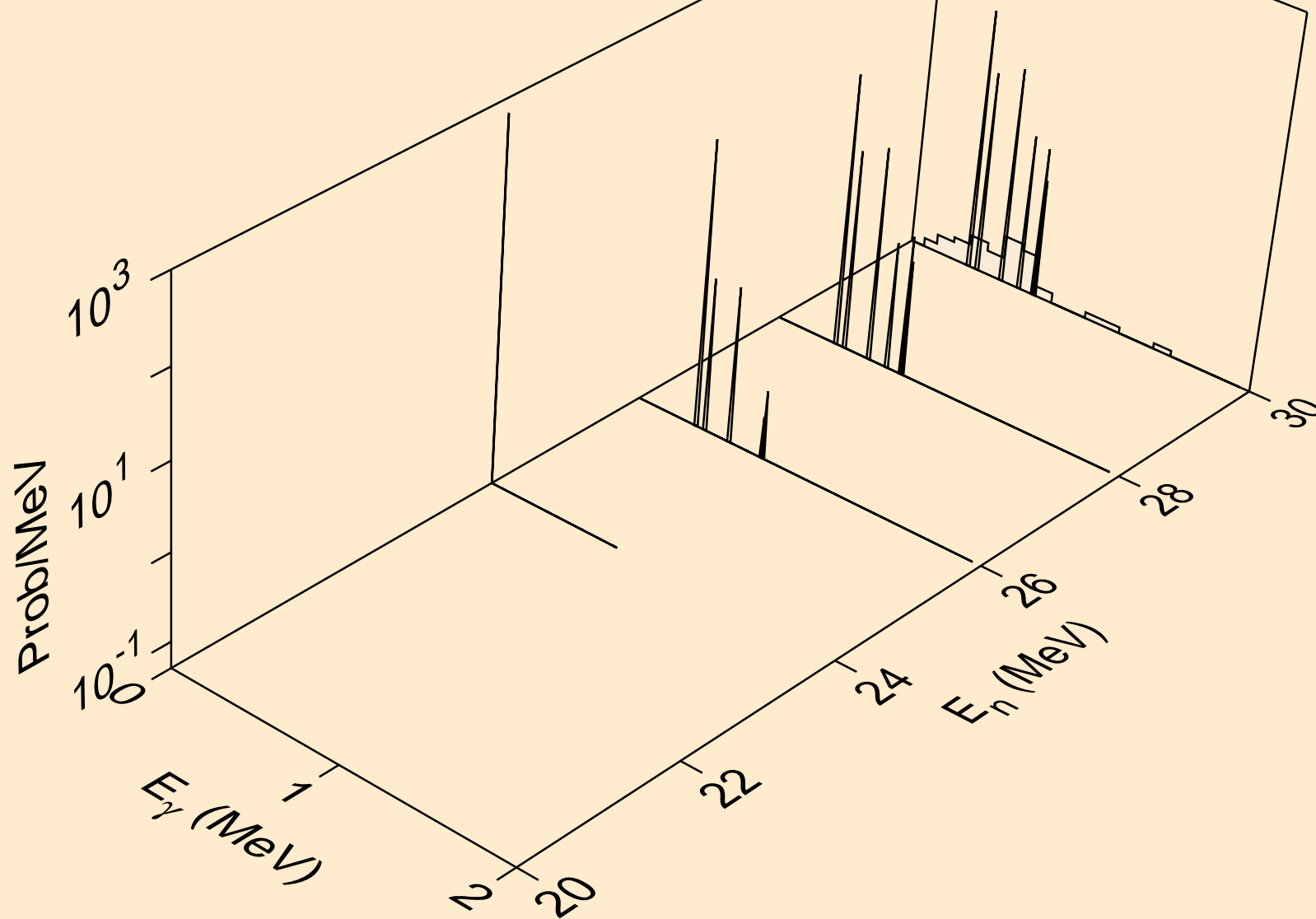
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,n\*)p

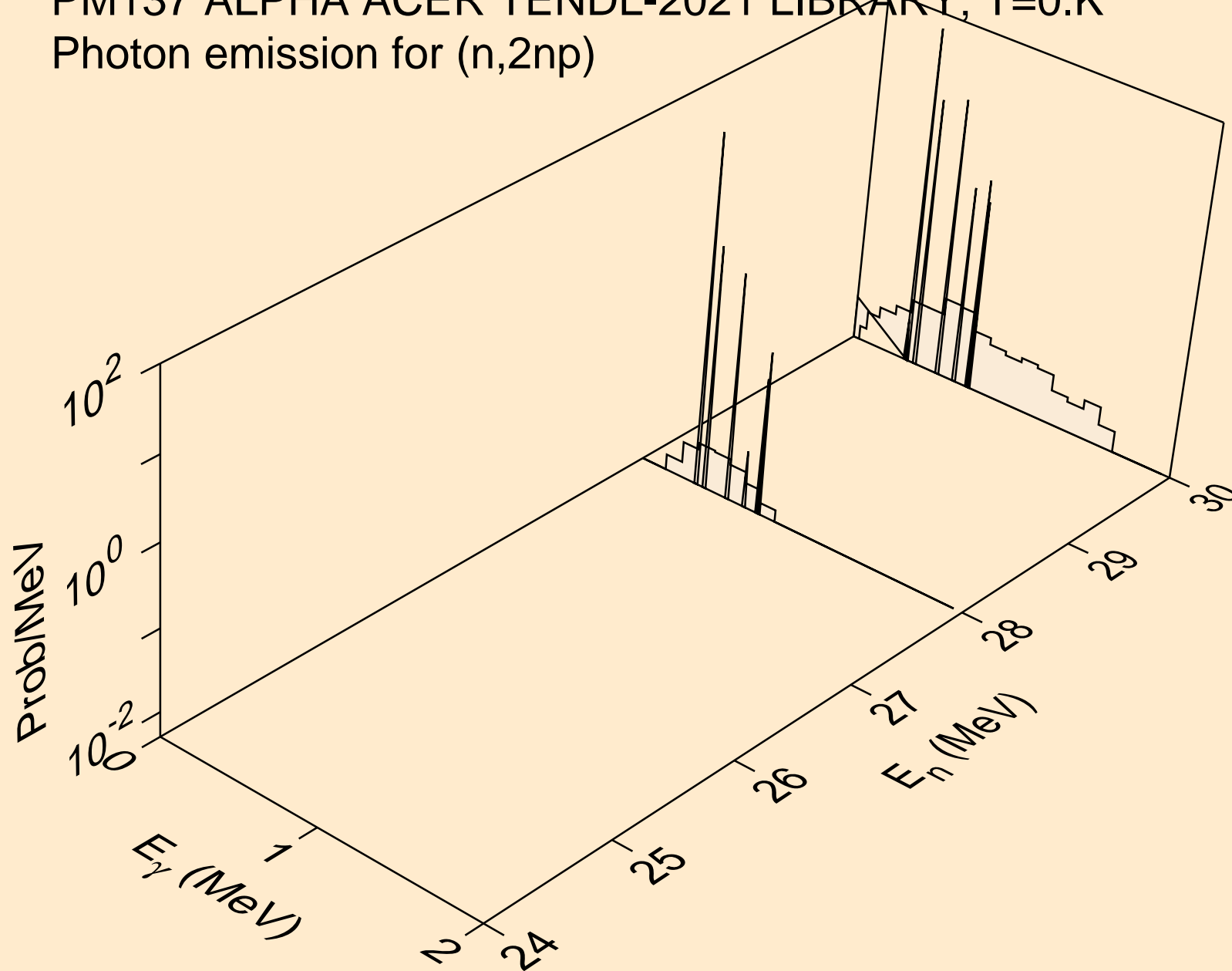


PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,n\*)d



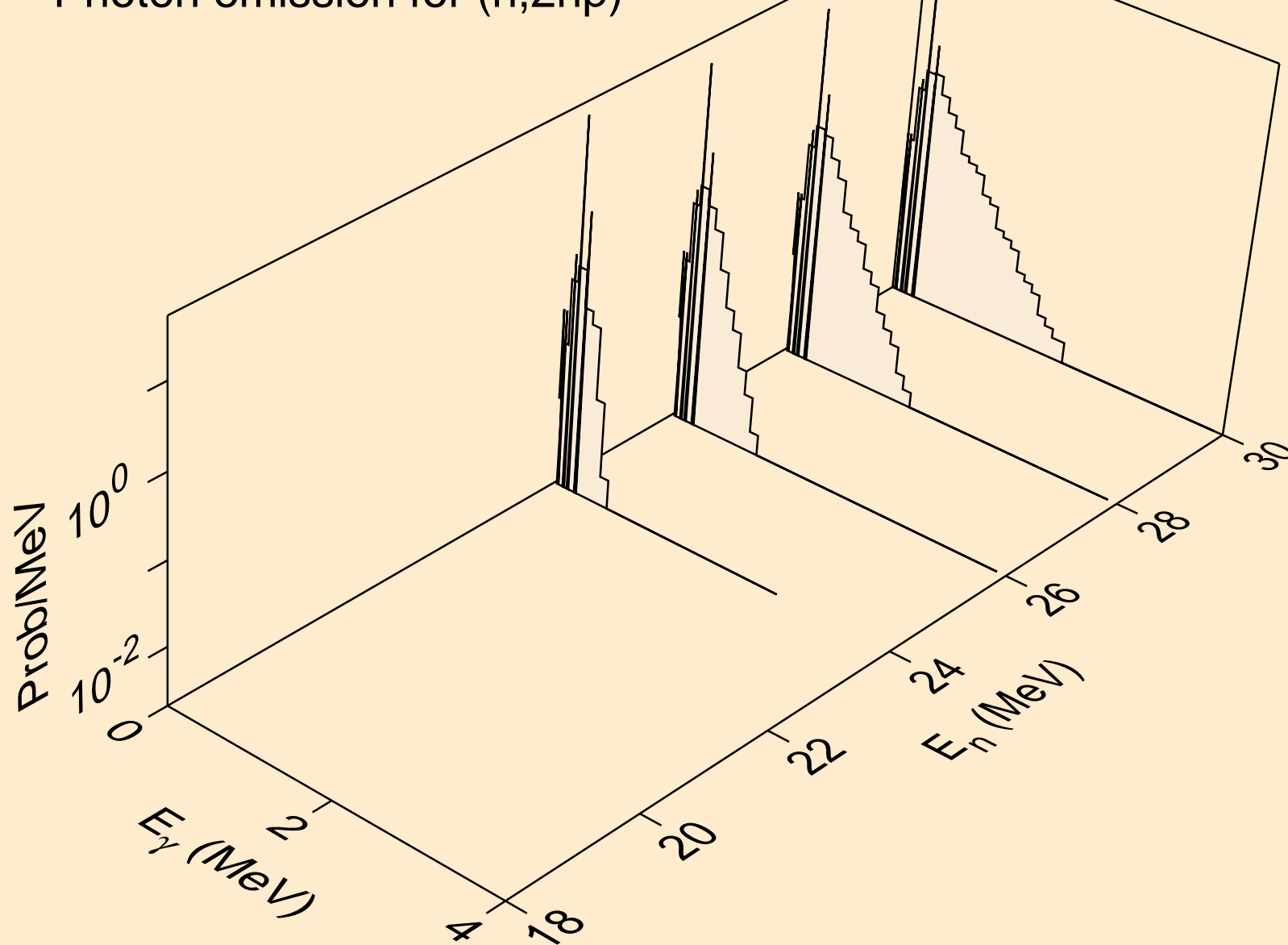
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



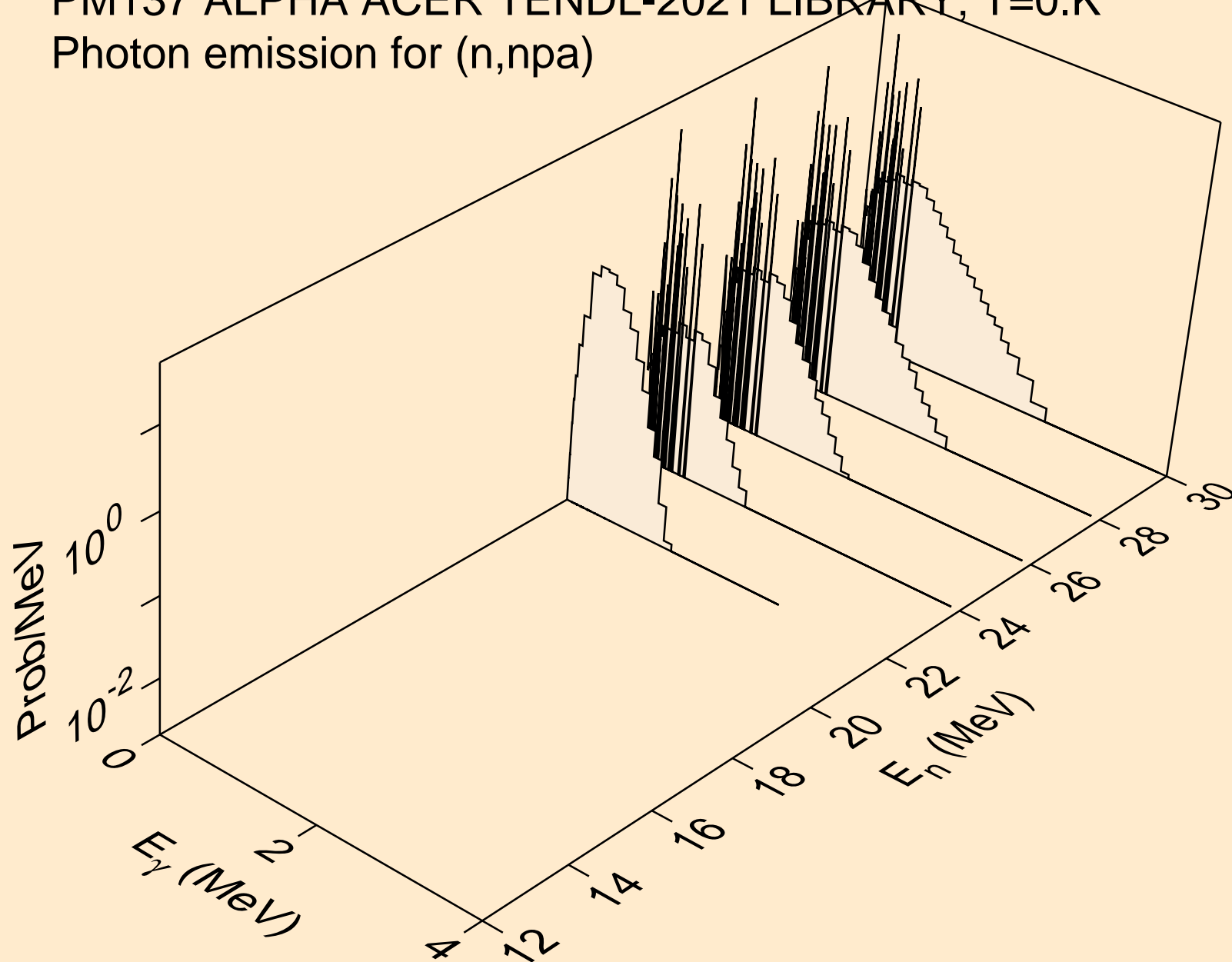


PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

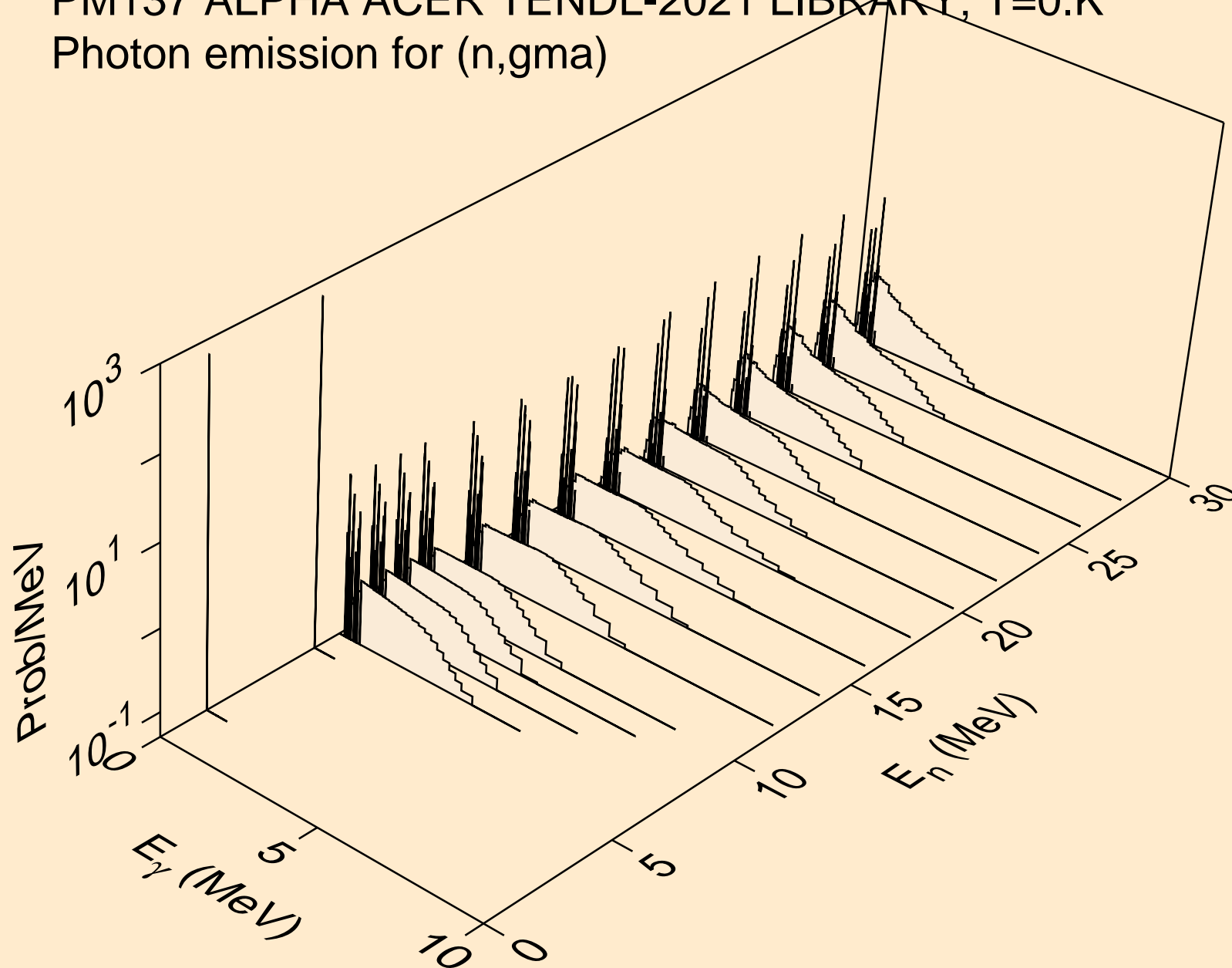
Photon emission for (n,2np)



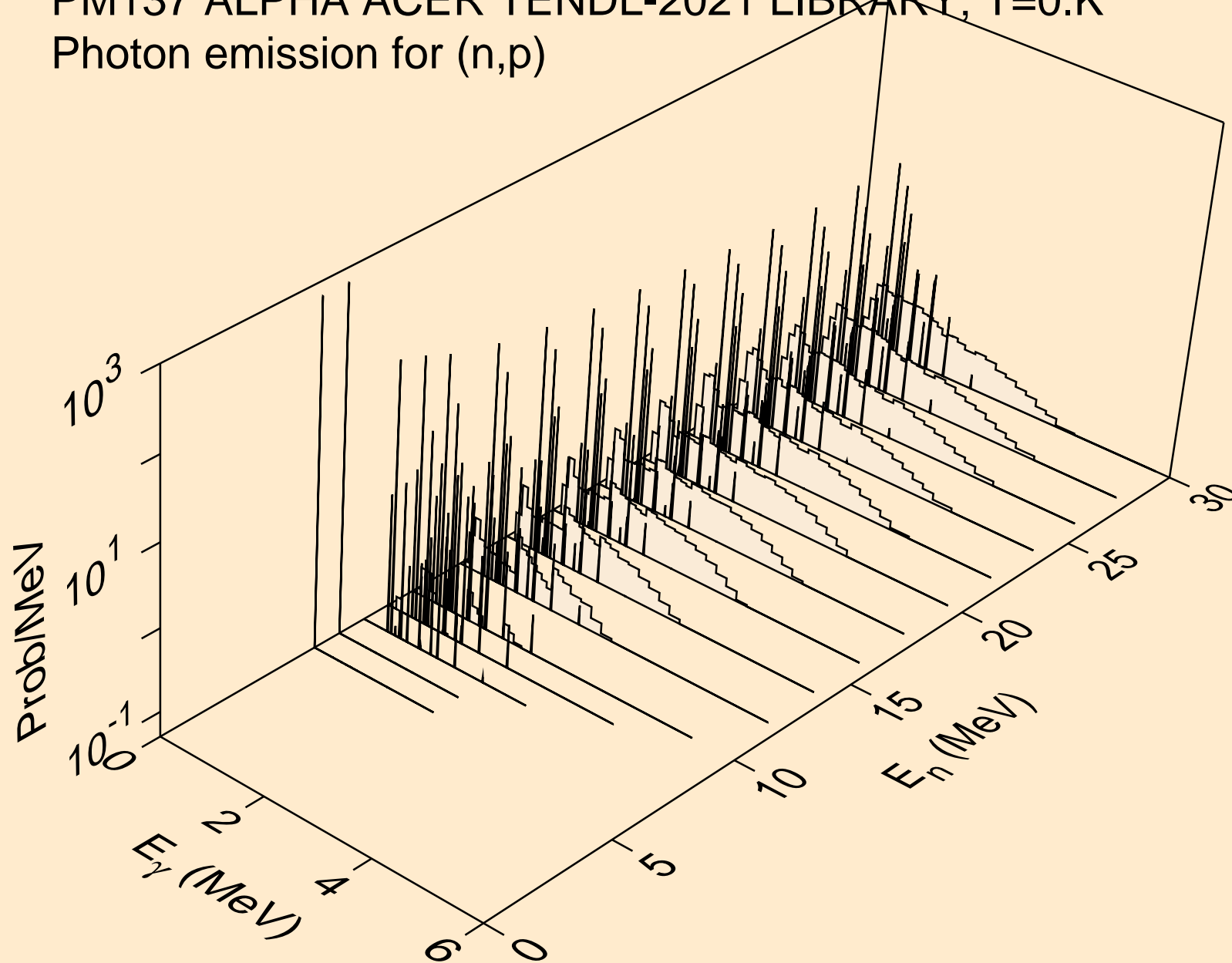
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,npa)



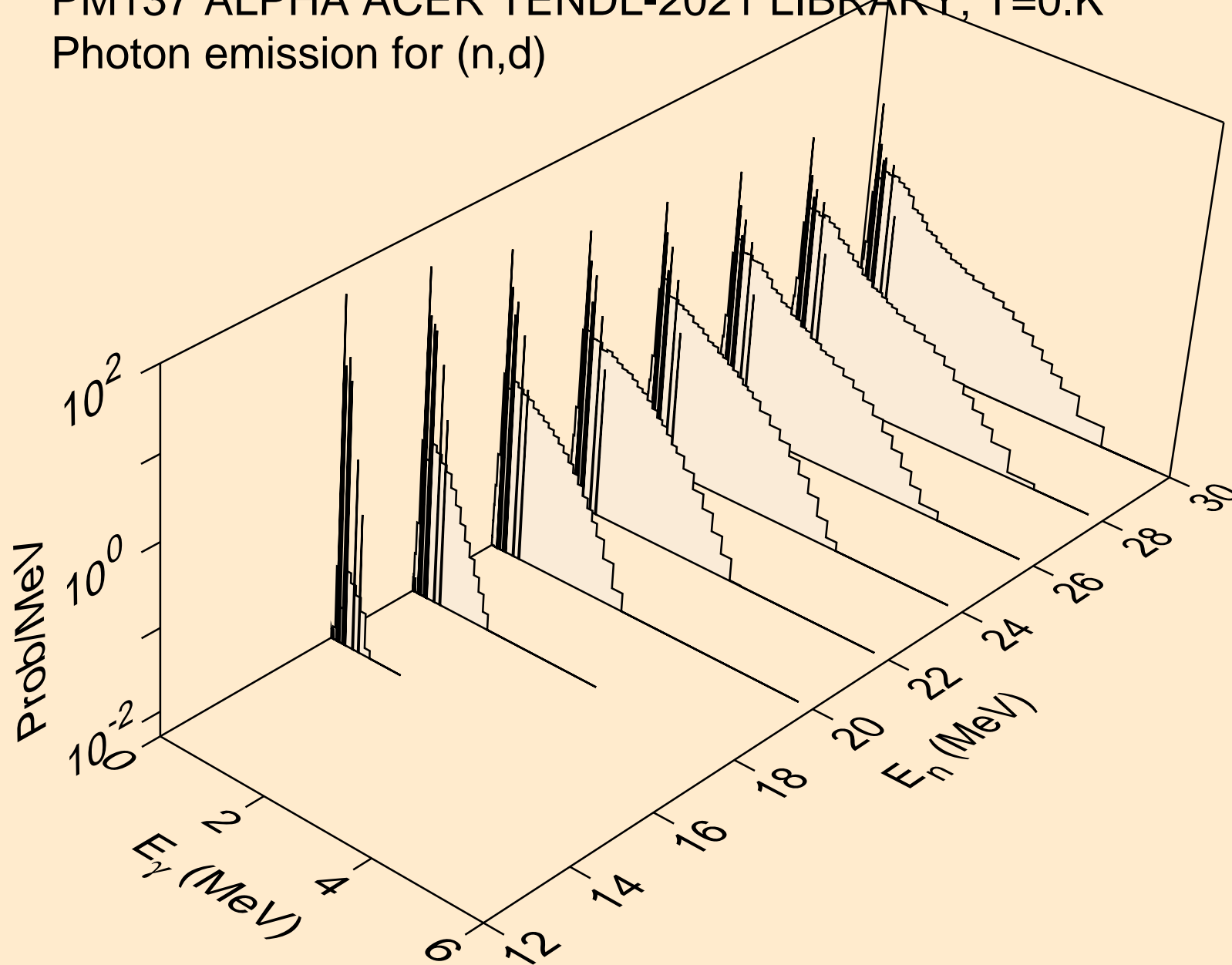
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,gma)



PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,p)

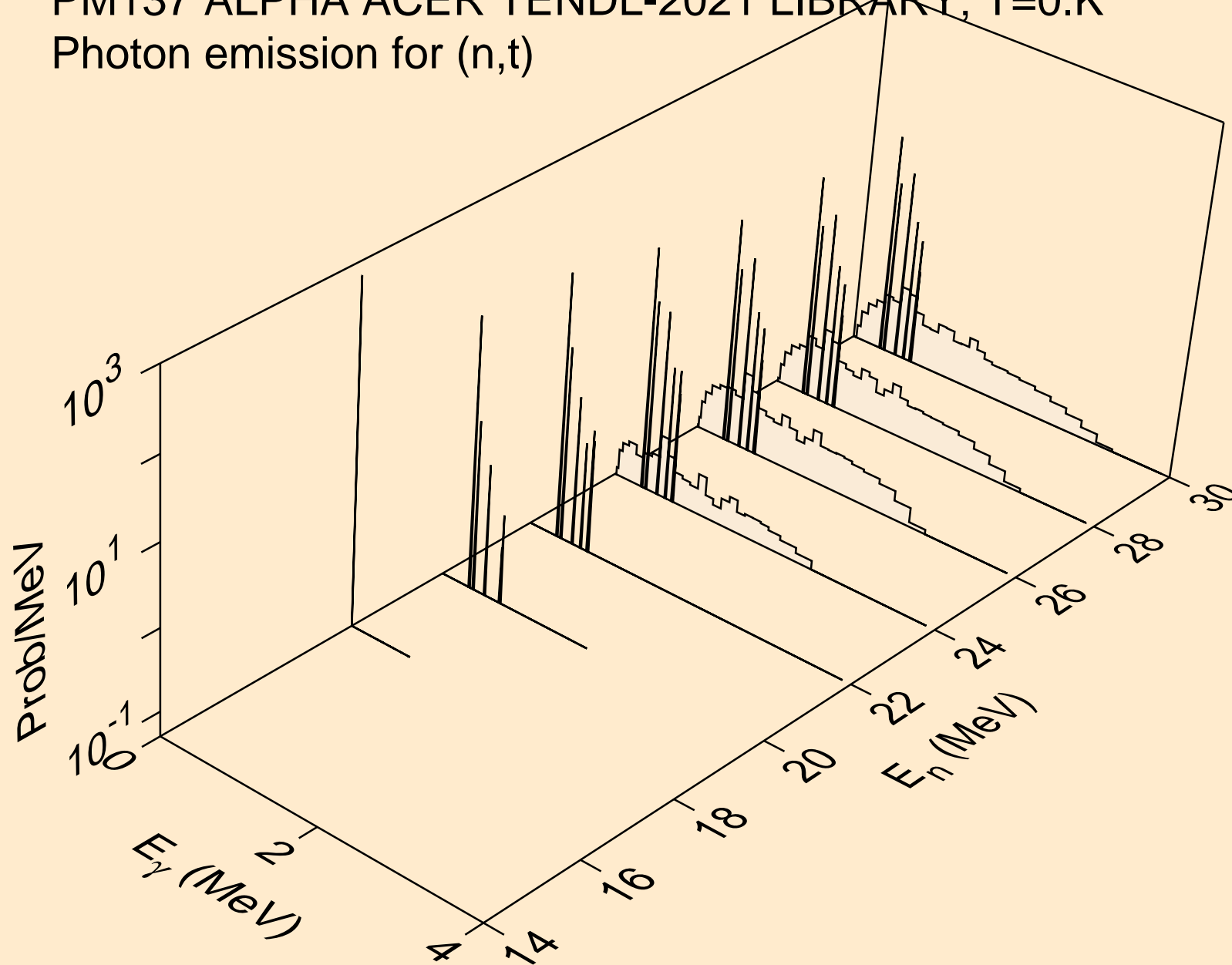


PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,d)

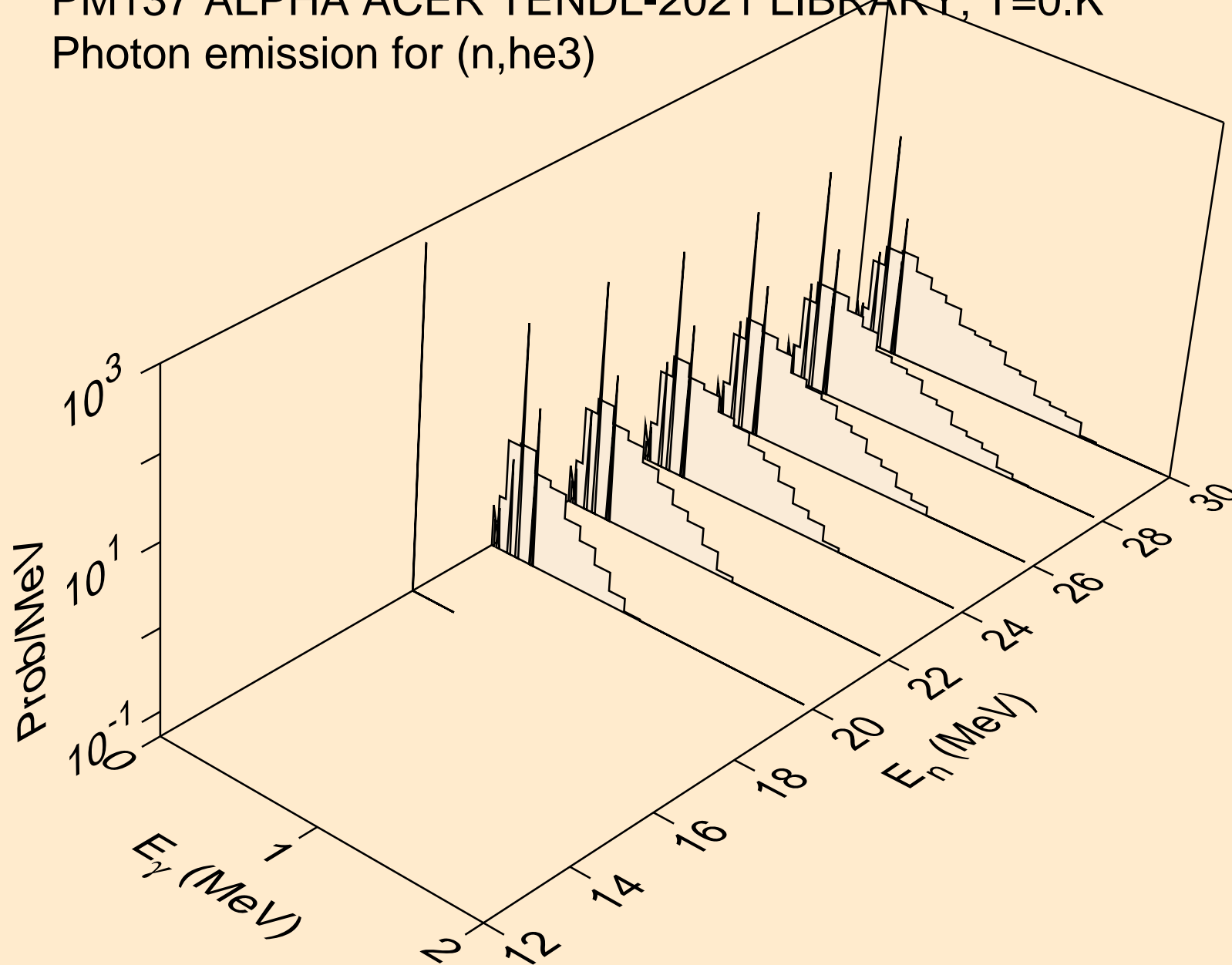


PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

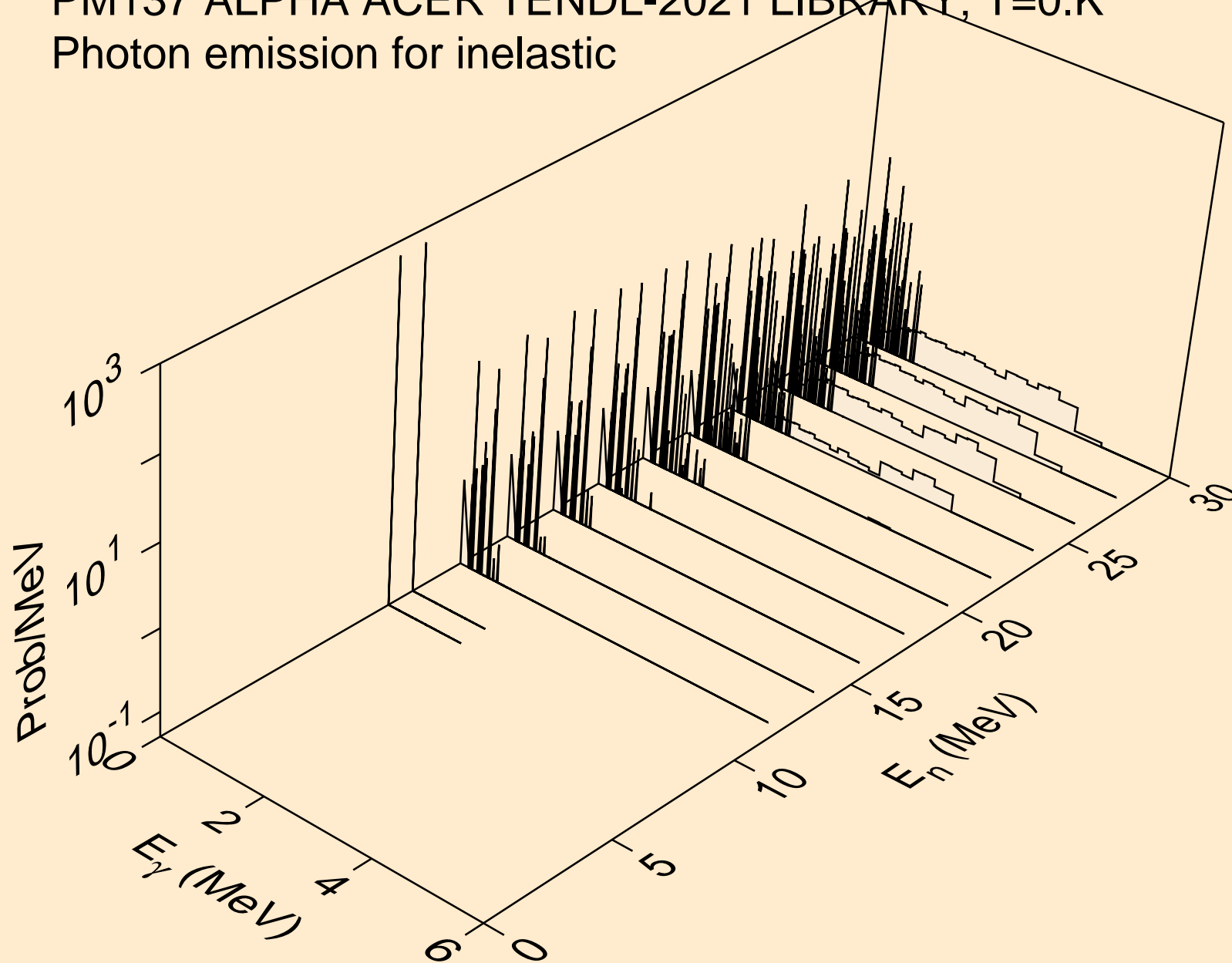
Photon emission for (n,t)



PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,he3)

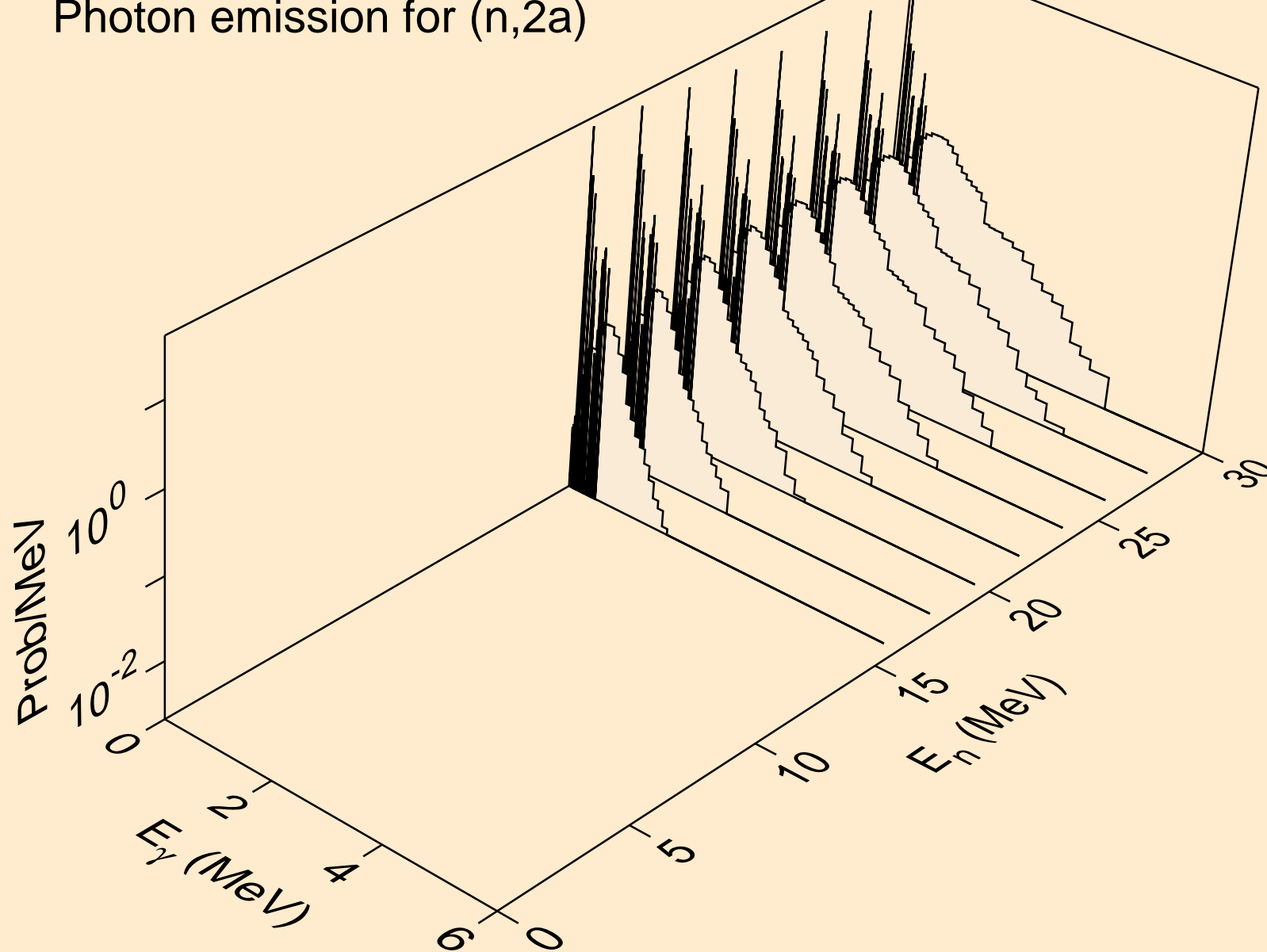


PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic

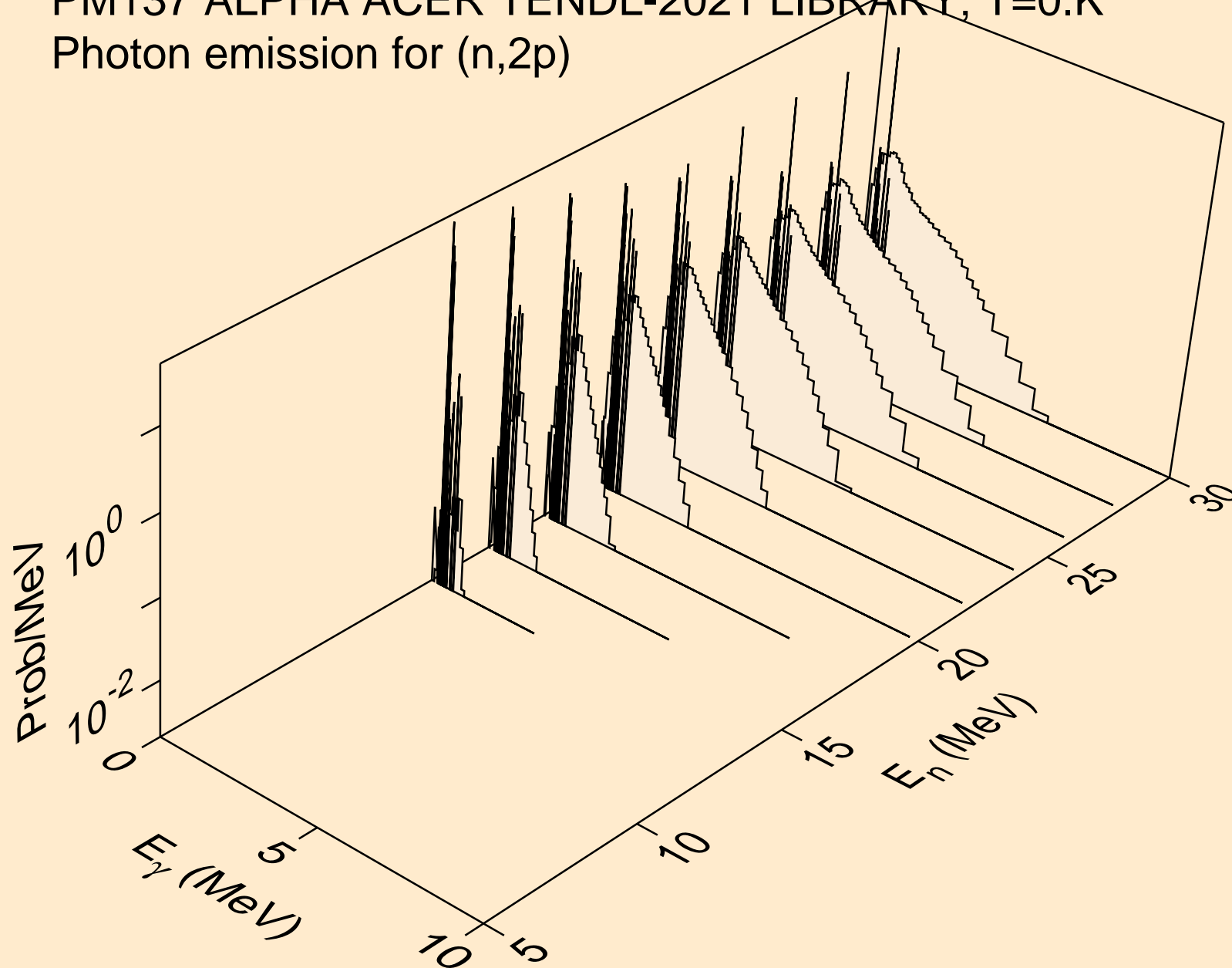




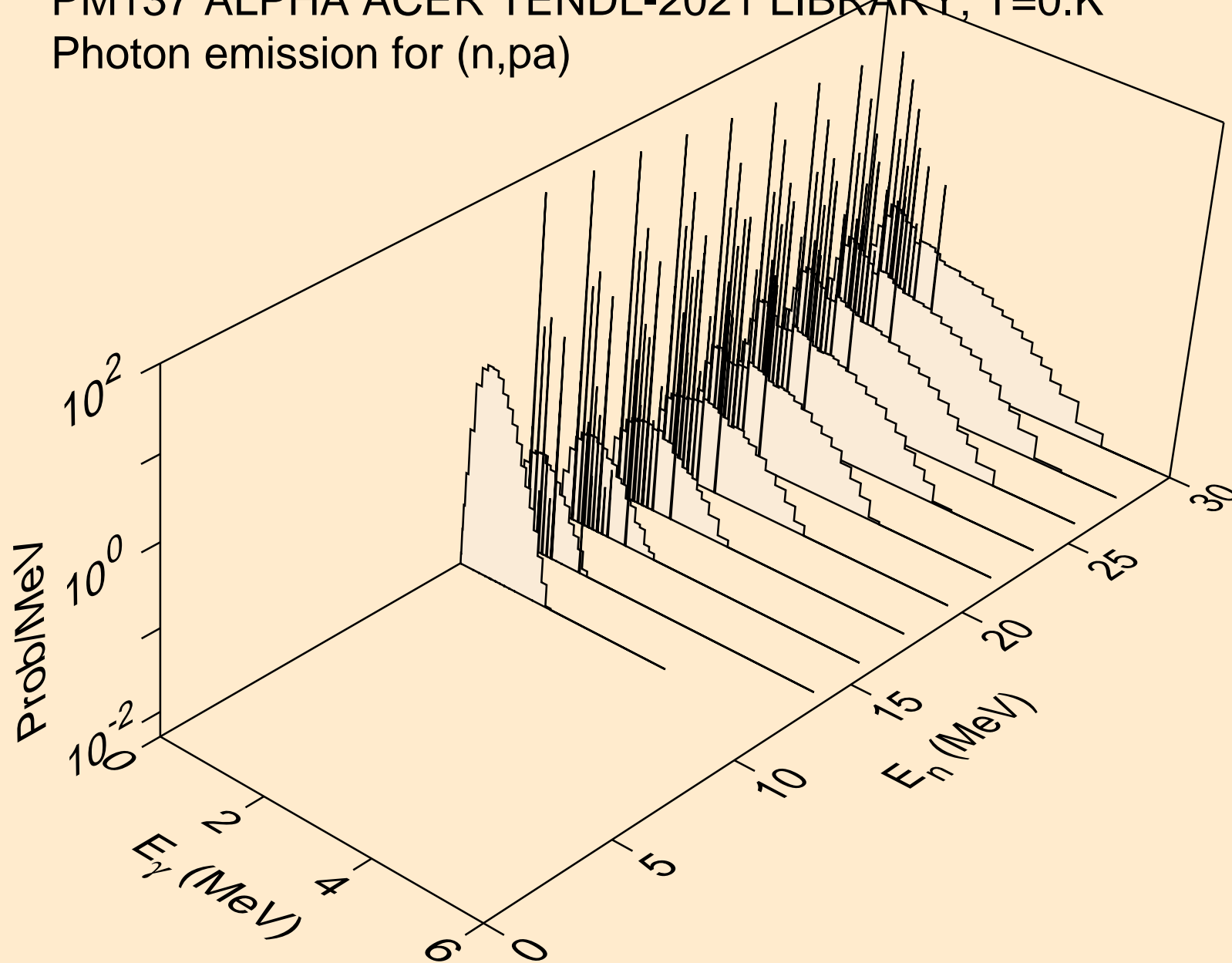
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2a)



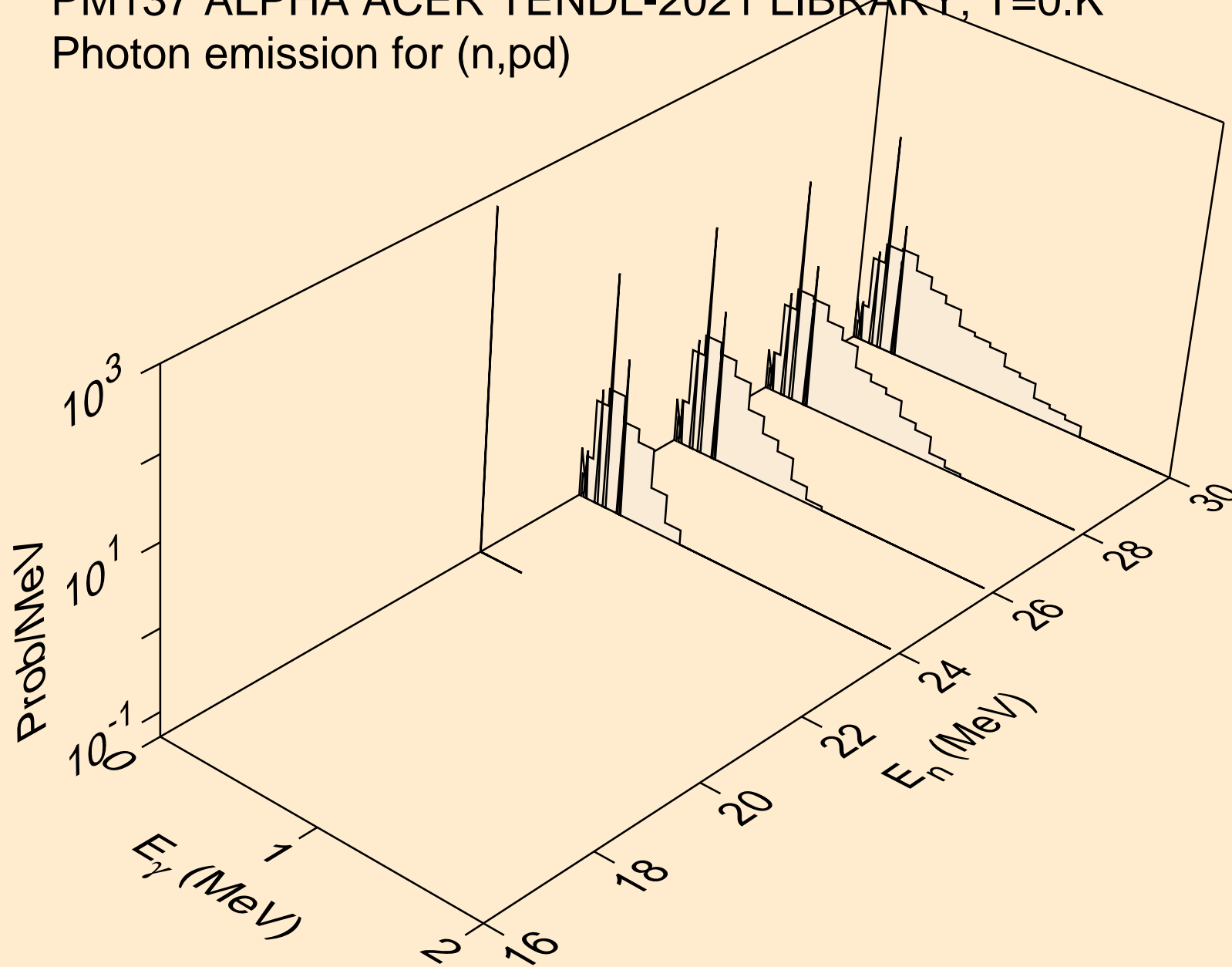
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)



PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pa)

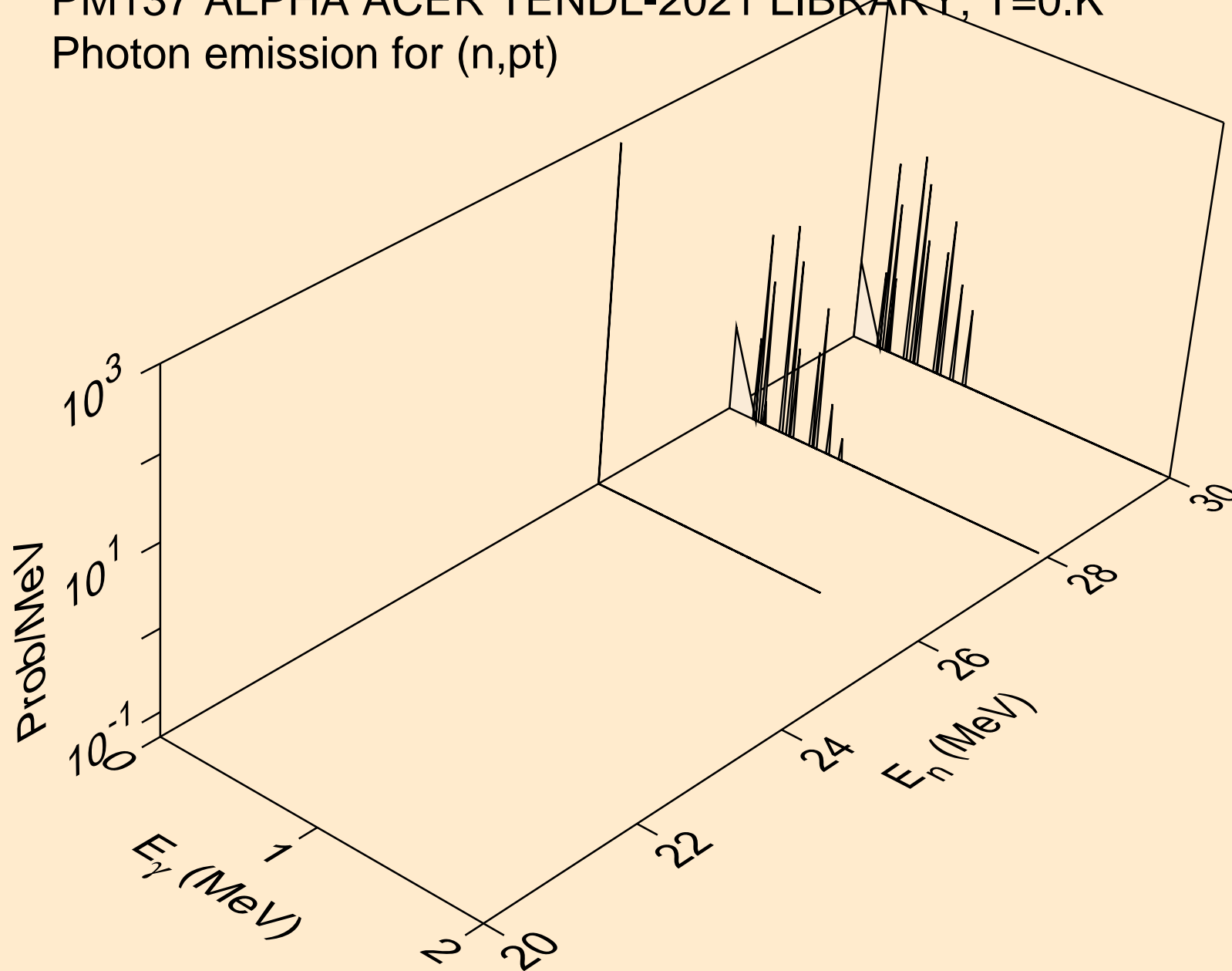


PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pd)

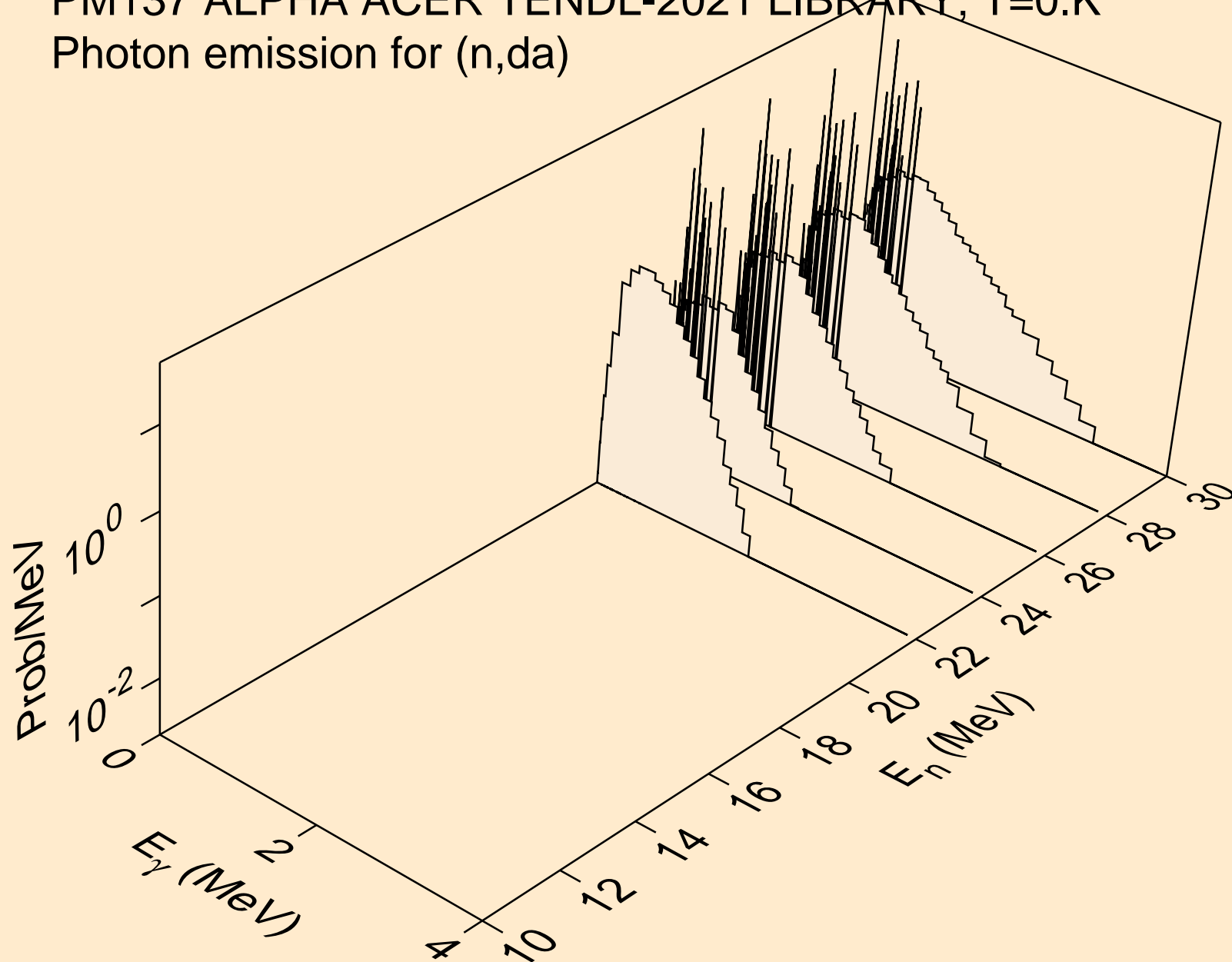


PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,pt)

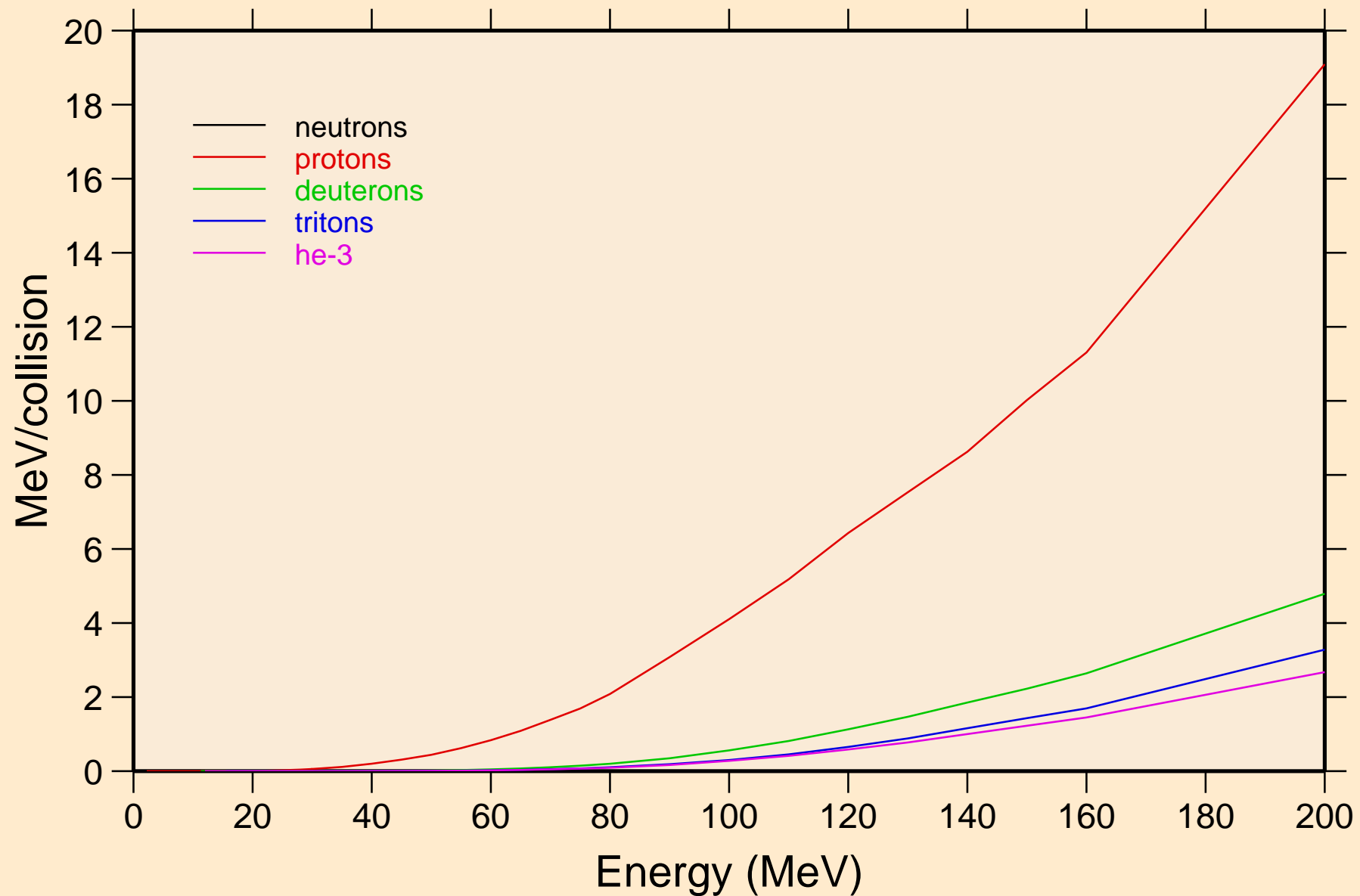


PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,da)



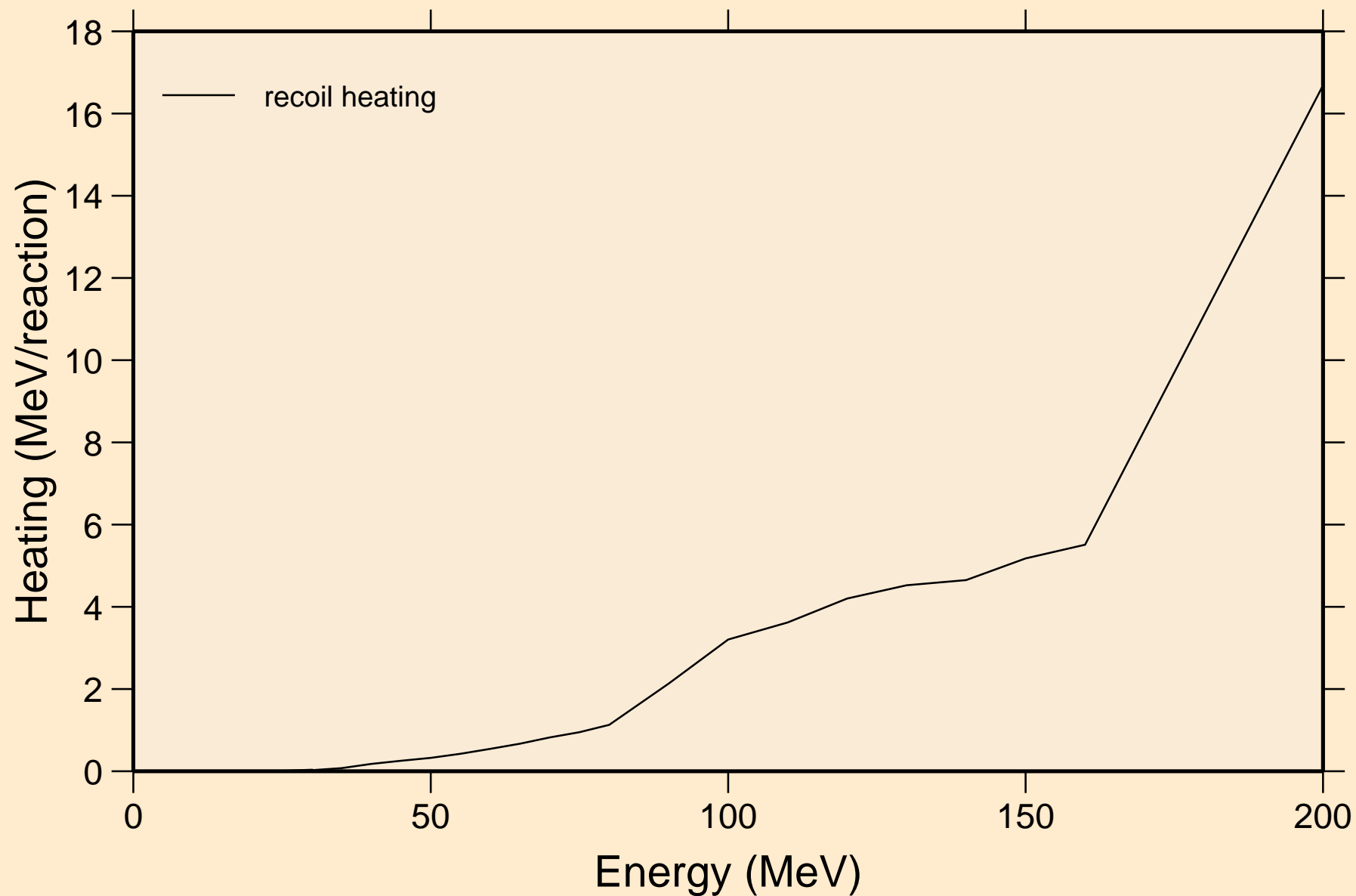
# PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Particle heating contributions



# PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

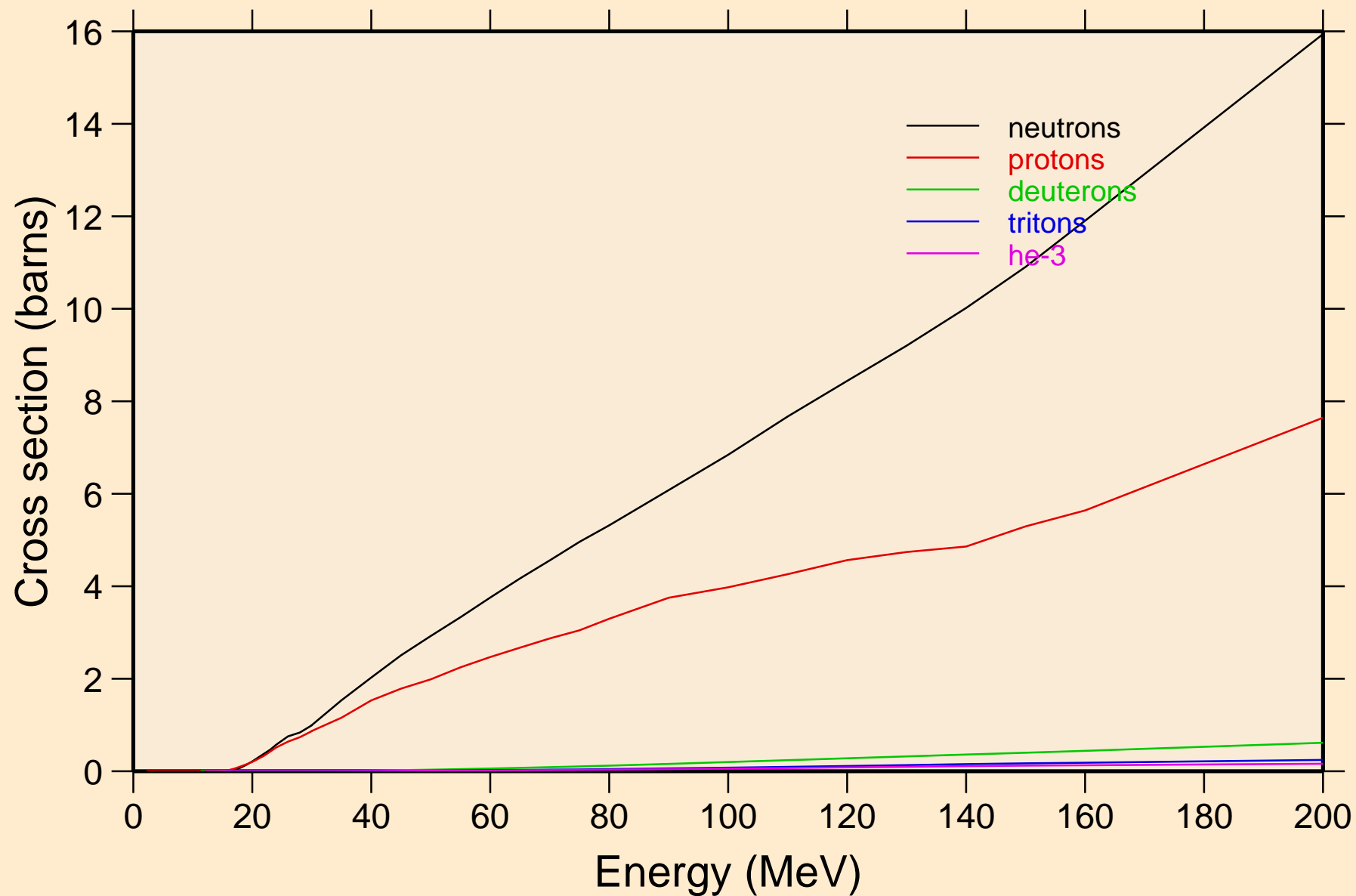
## Recoil Heating



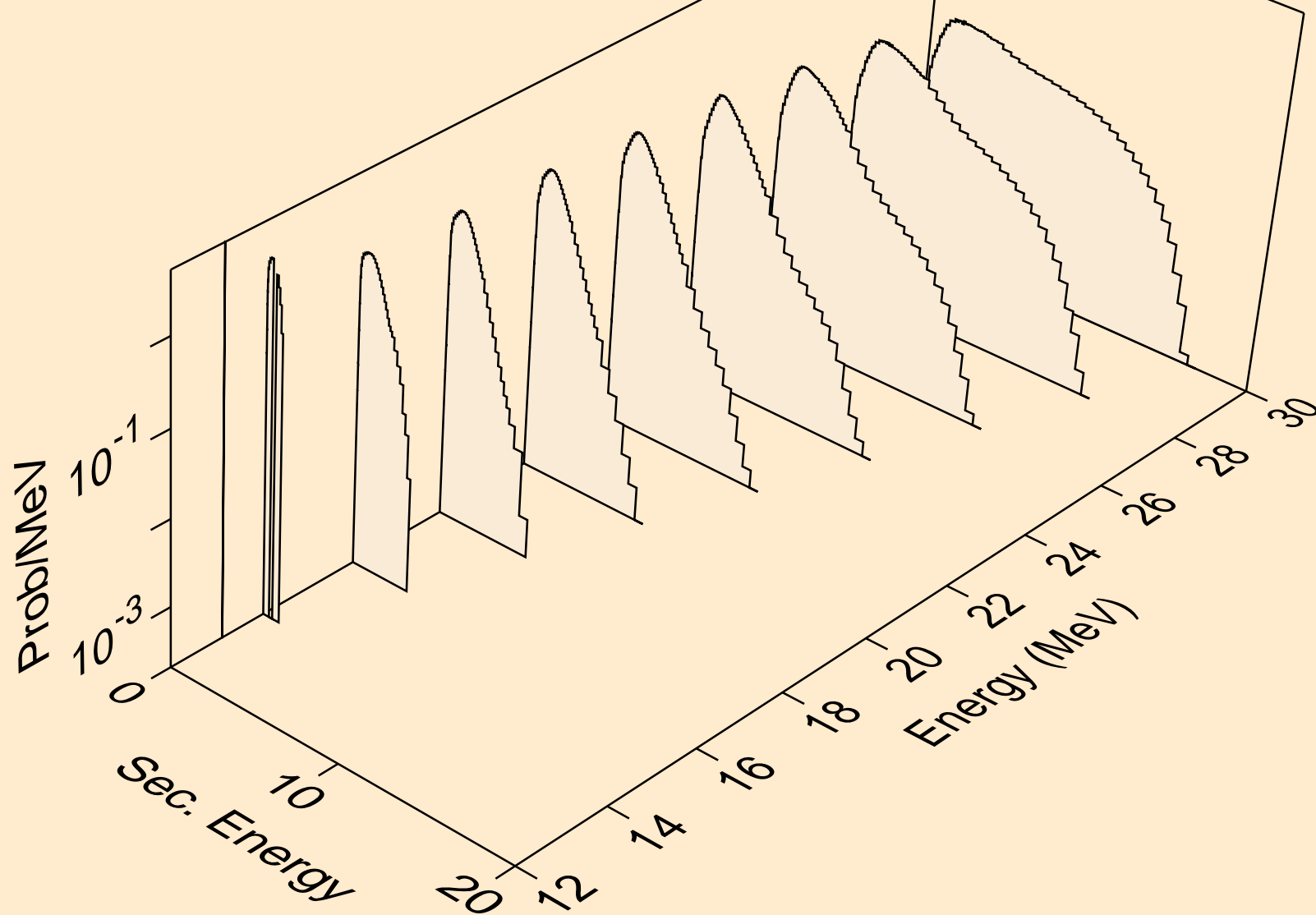


# PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

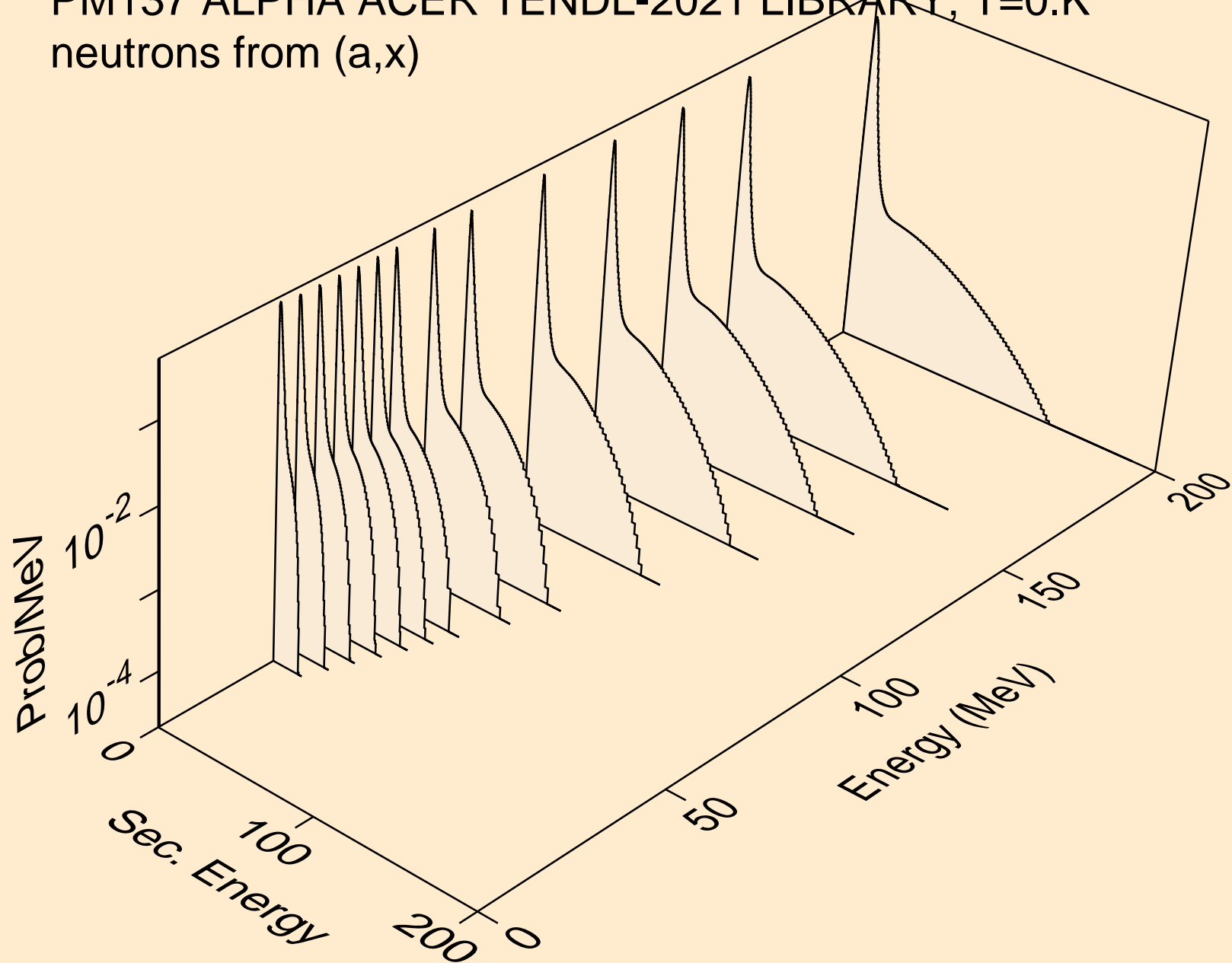
## Particle production cross sections



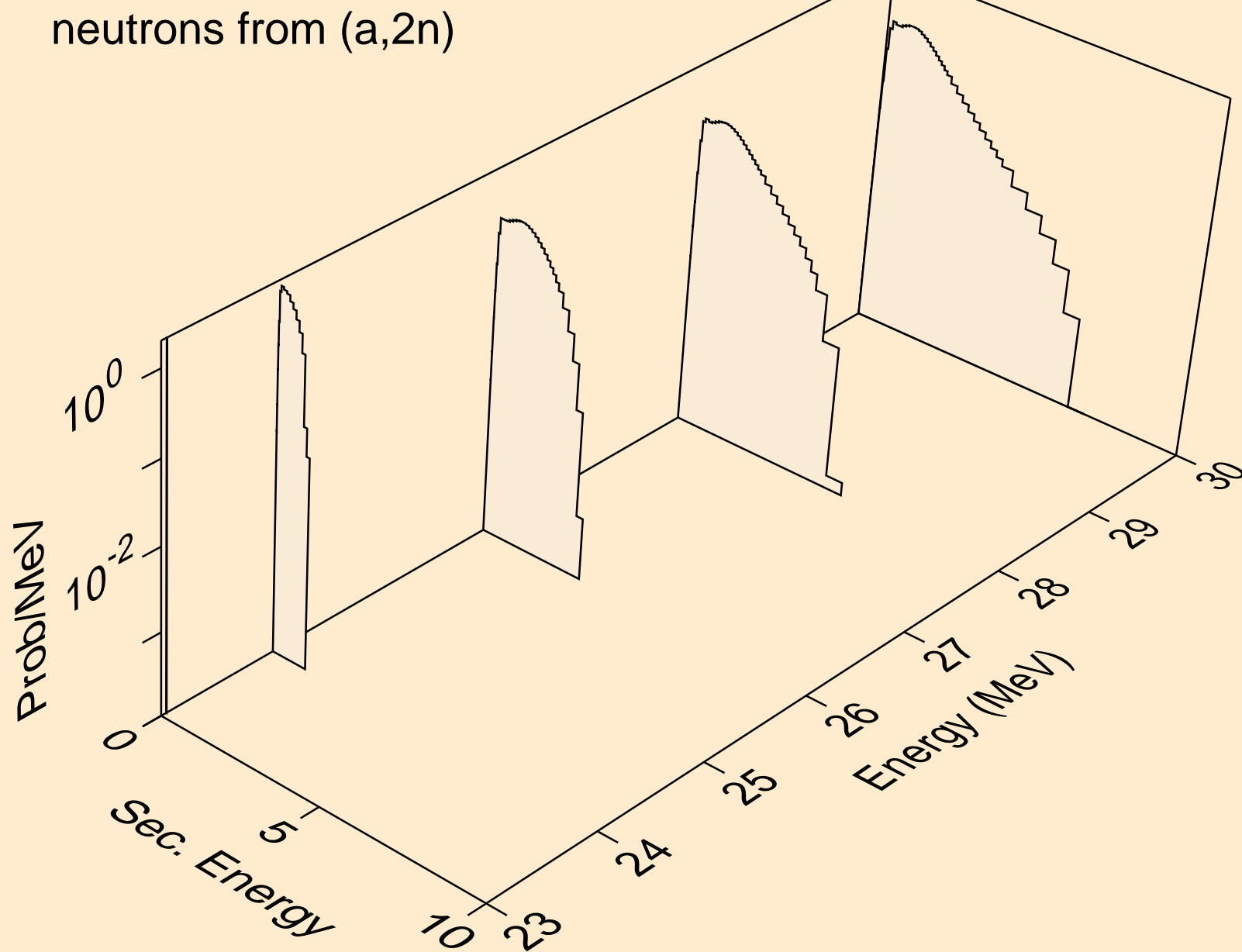
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n)



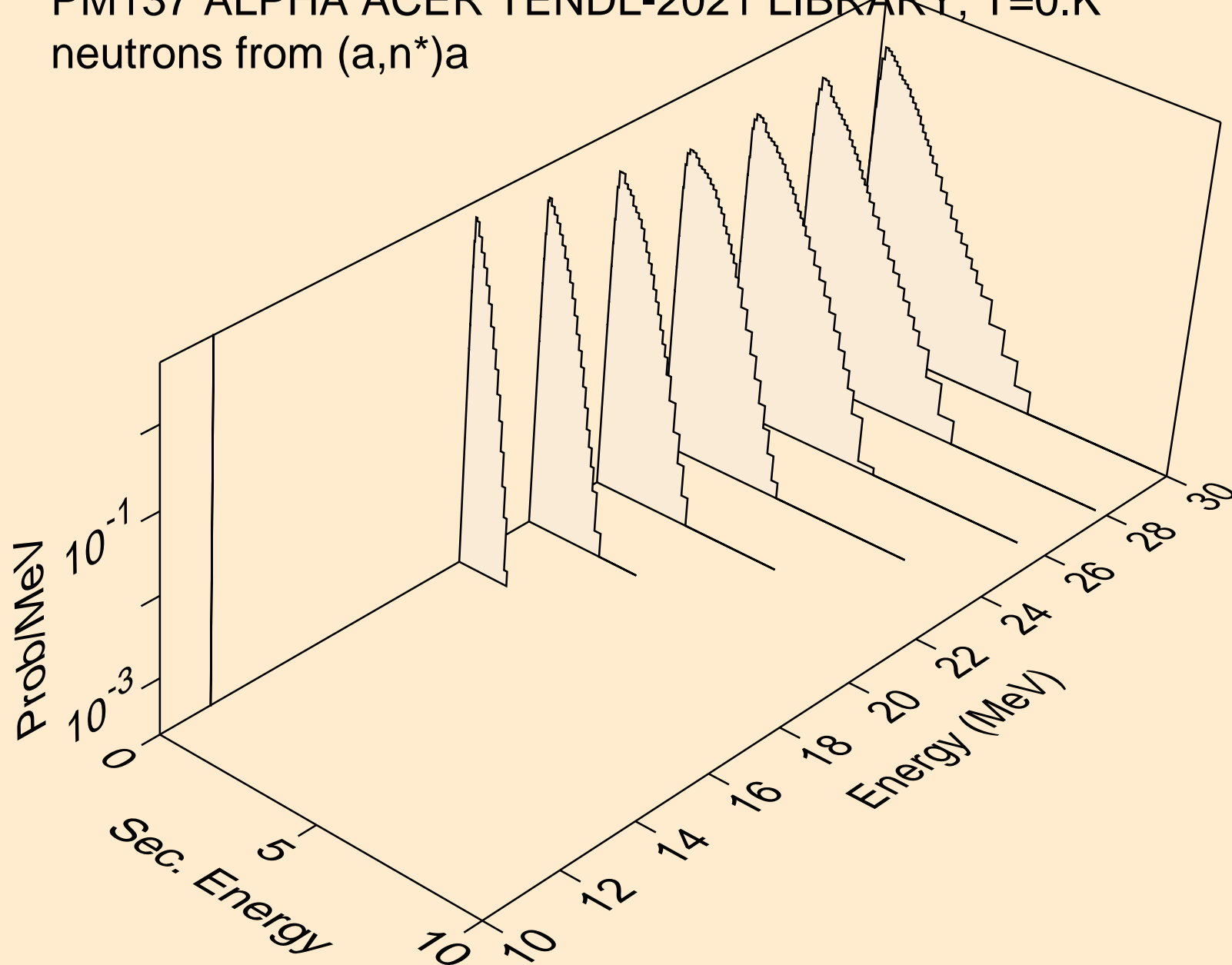
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,x)



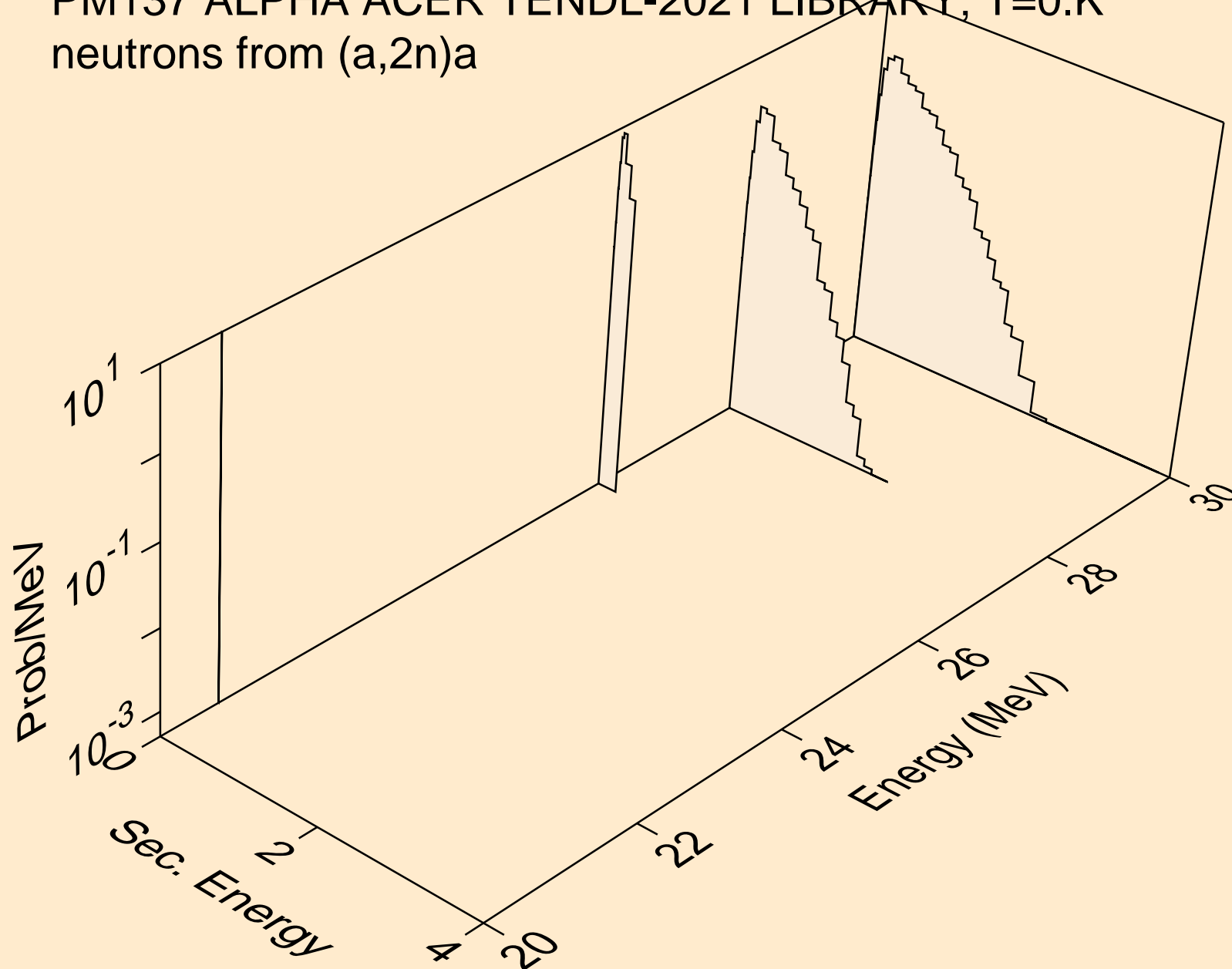
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,2n)



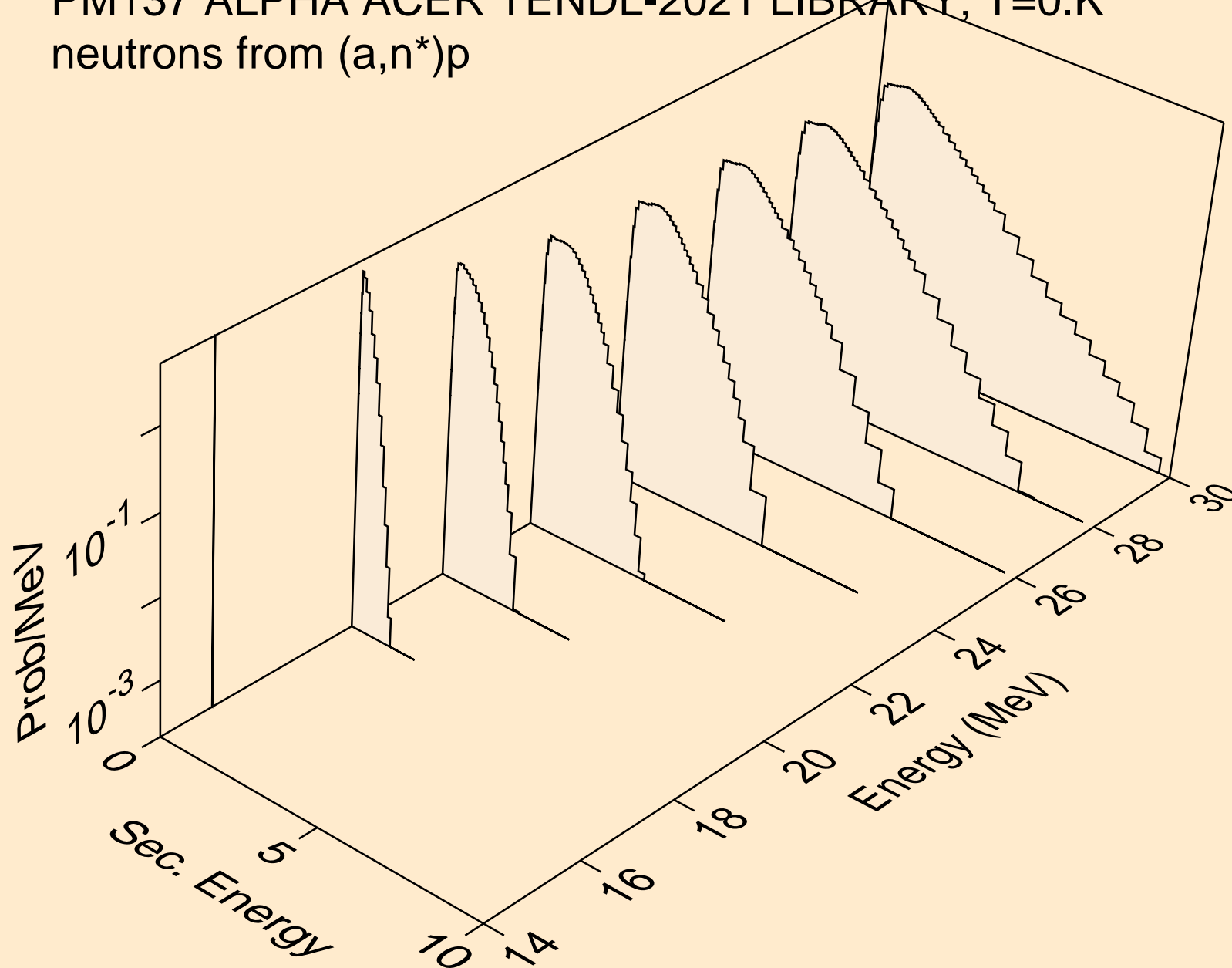
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)a



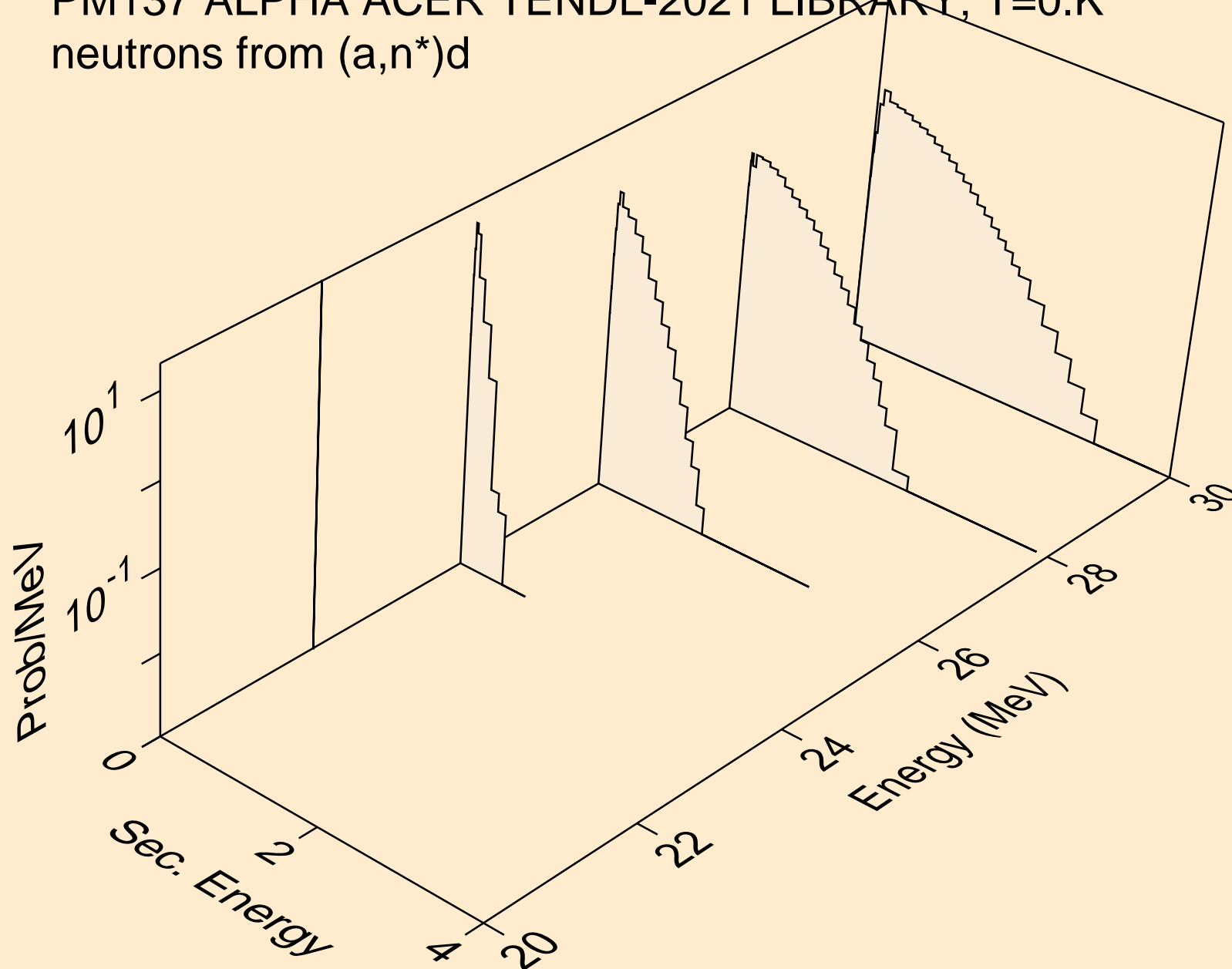
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,2n)a



PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)p

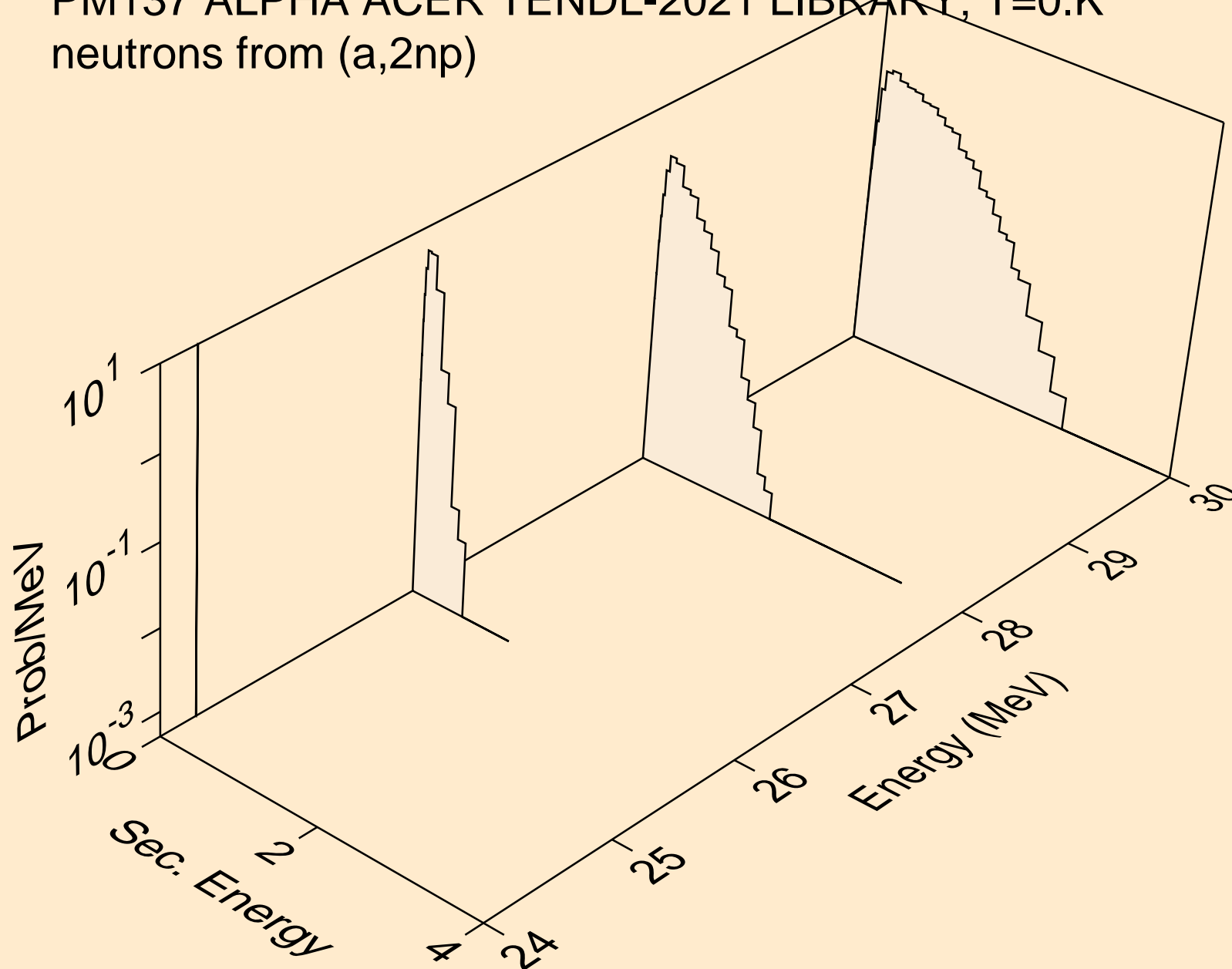


PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)d

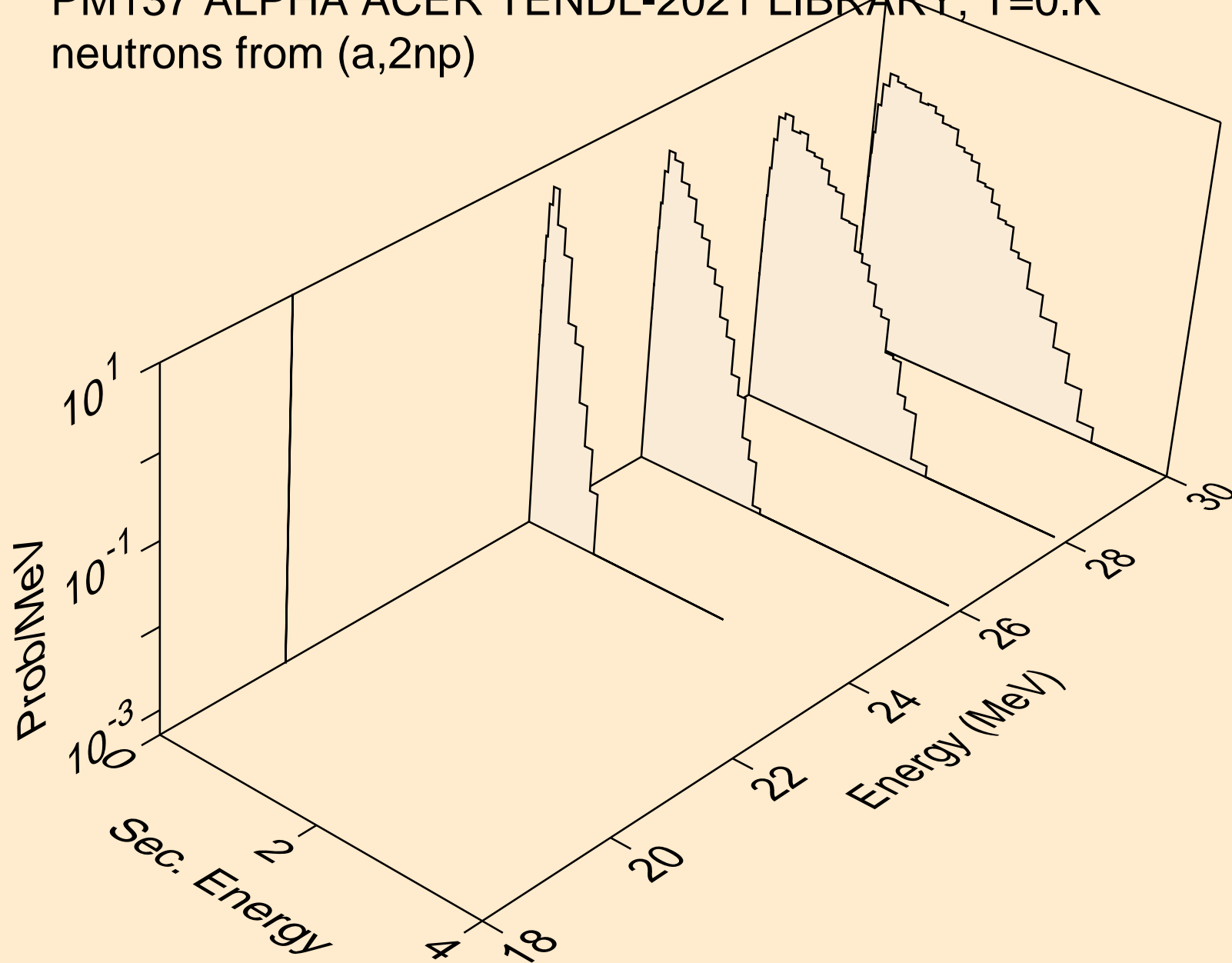




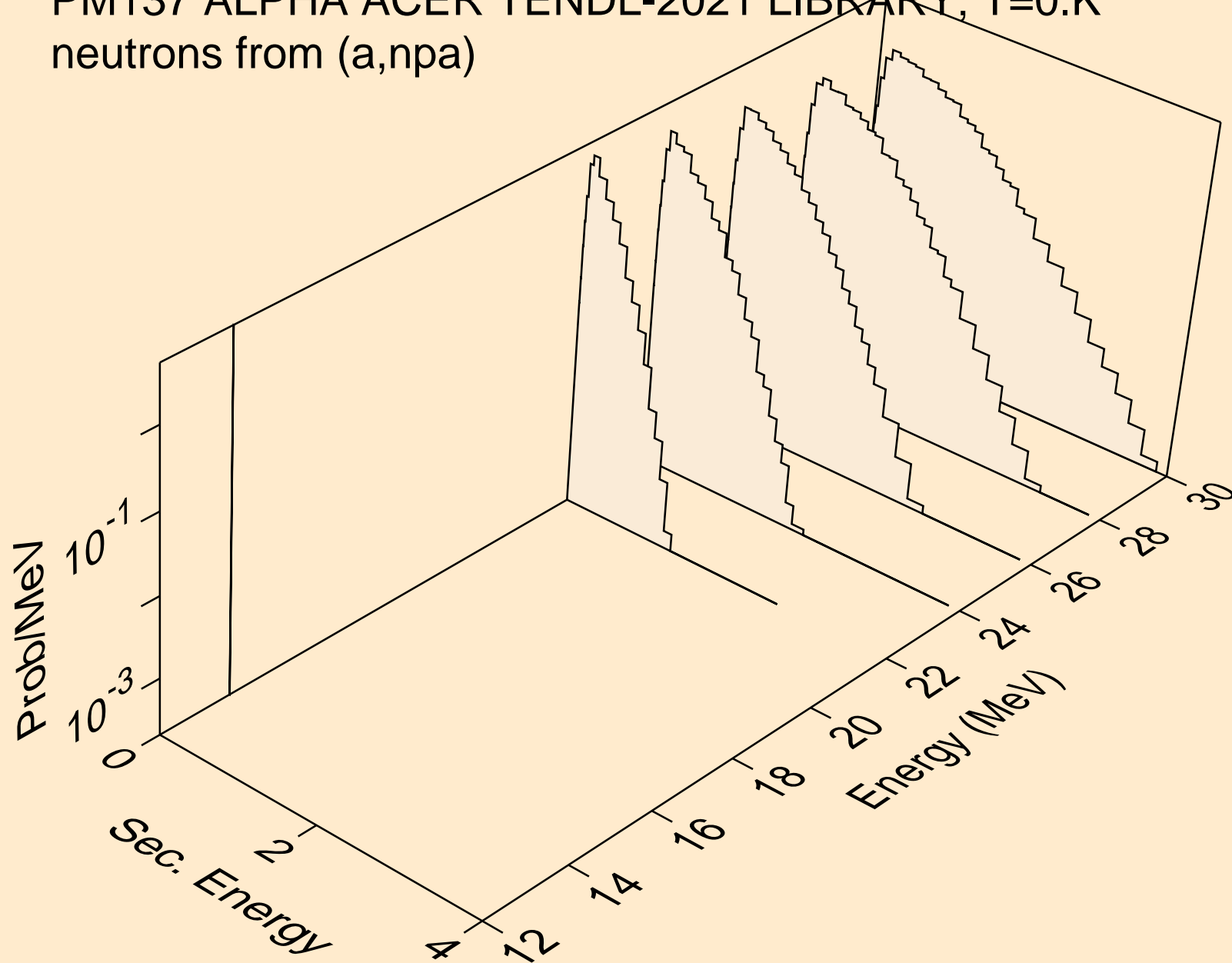
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,2np)



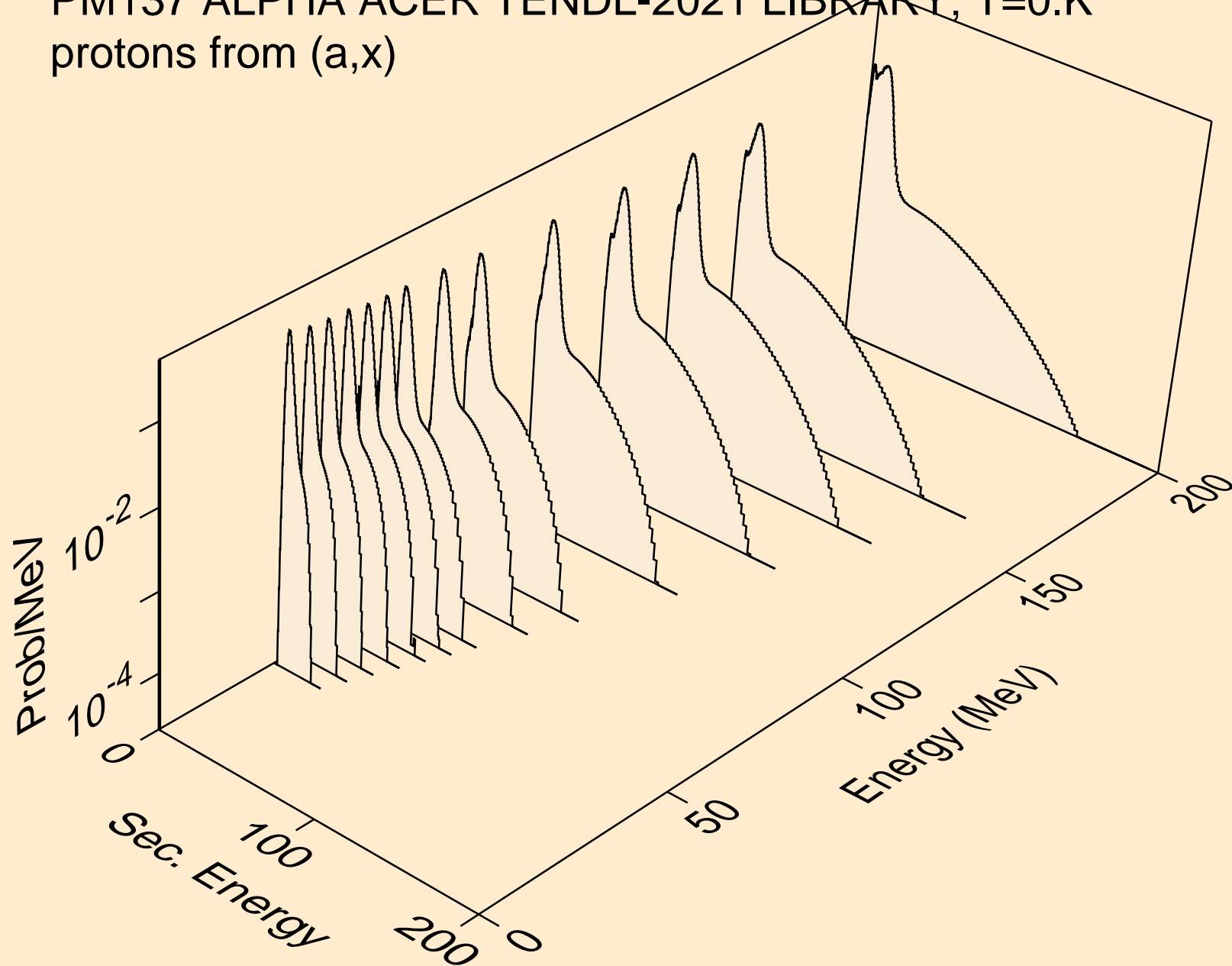
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,2np)



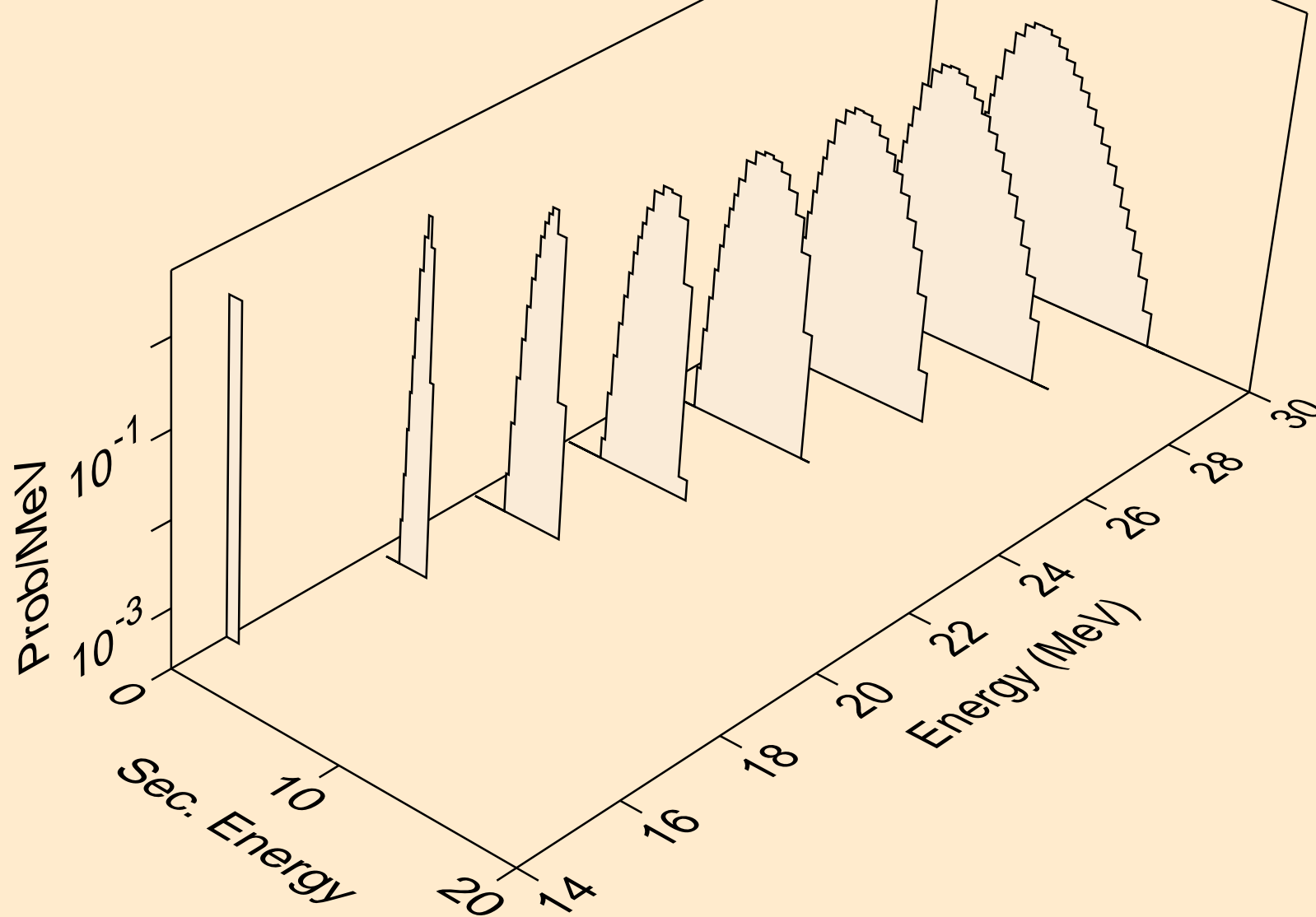
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,npa)



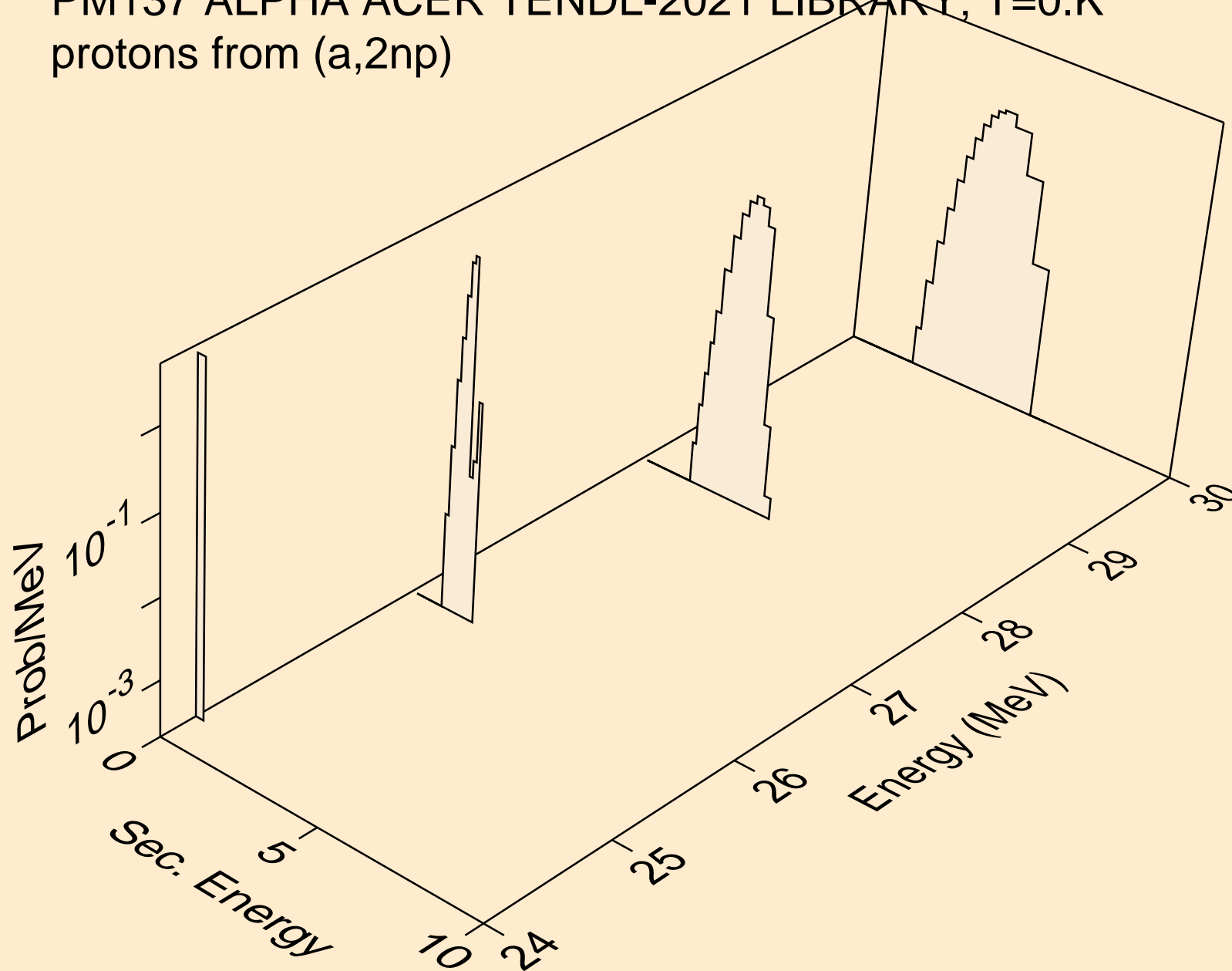
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,x)



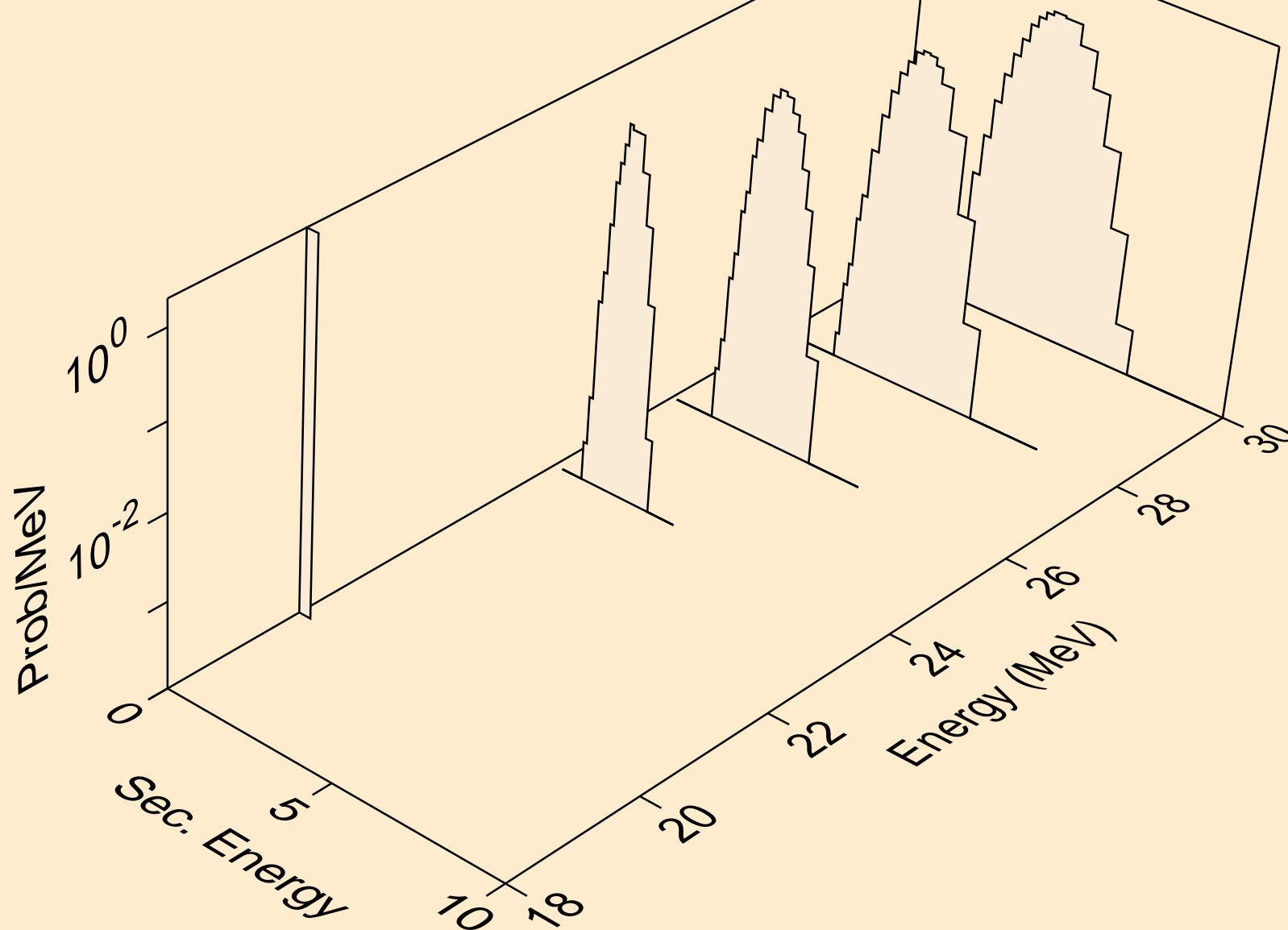
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,n\*)p



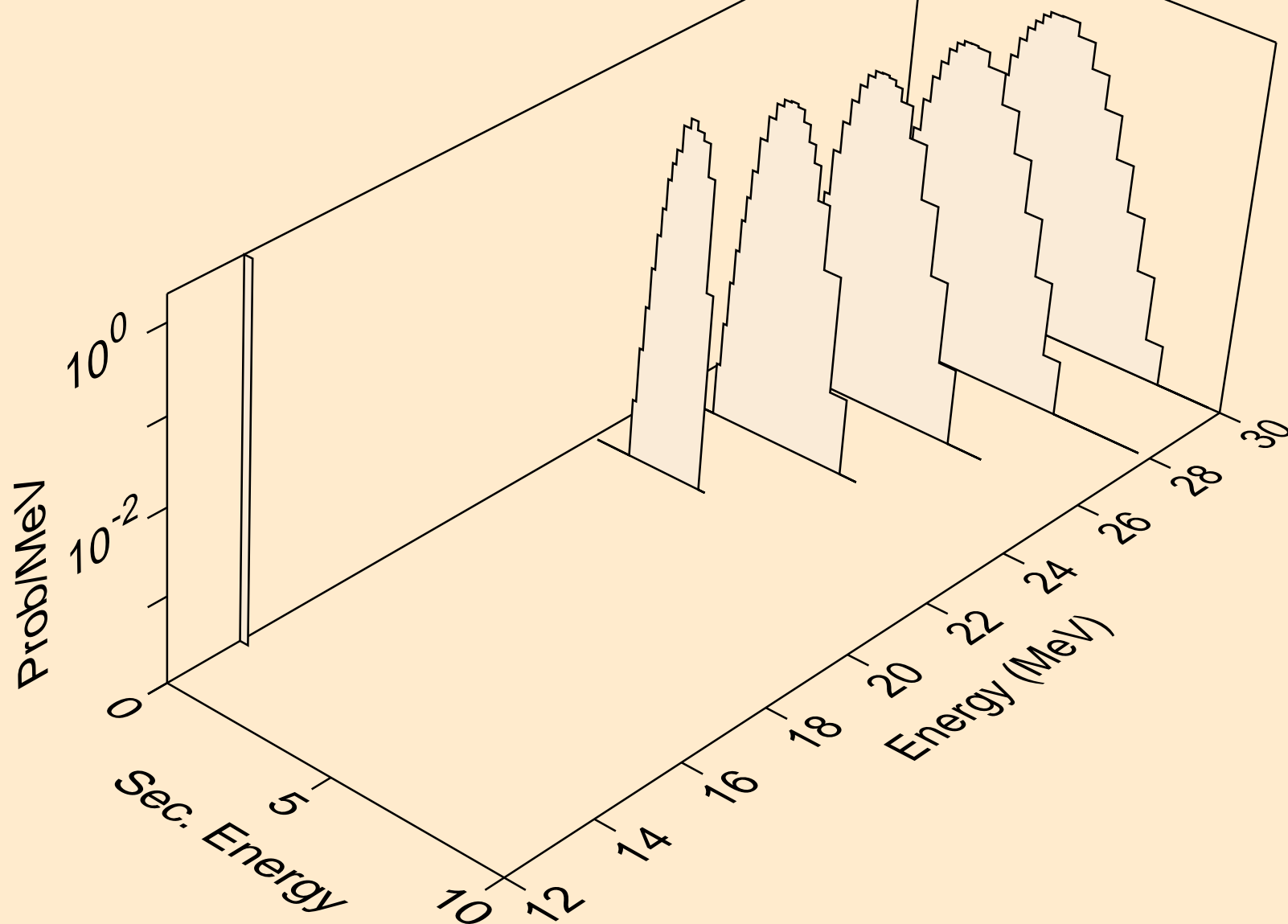
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,2np)



PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,2np)

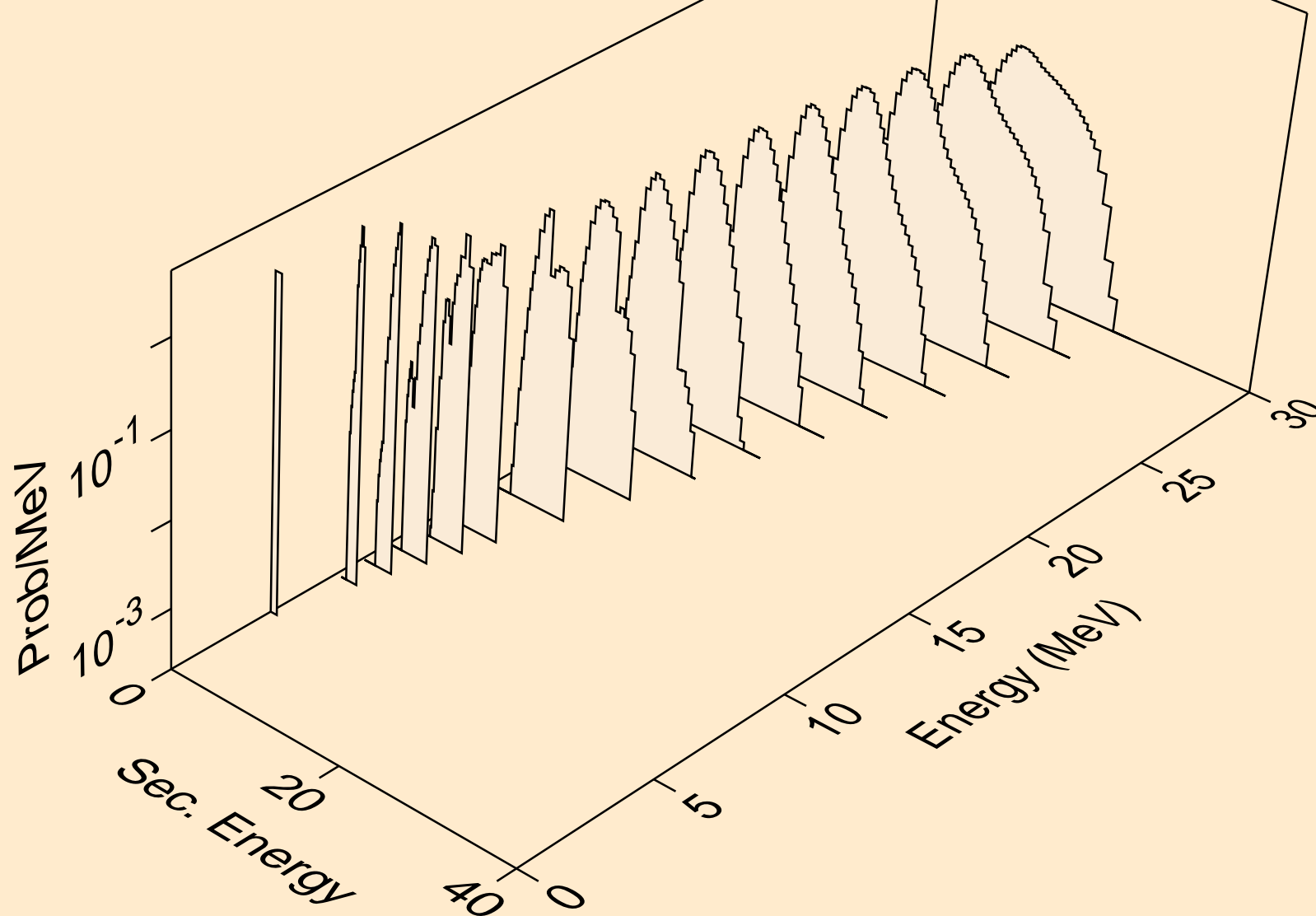


PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,npa)

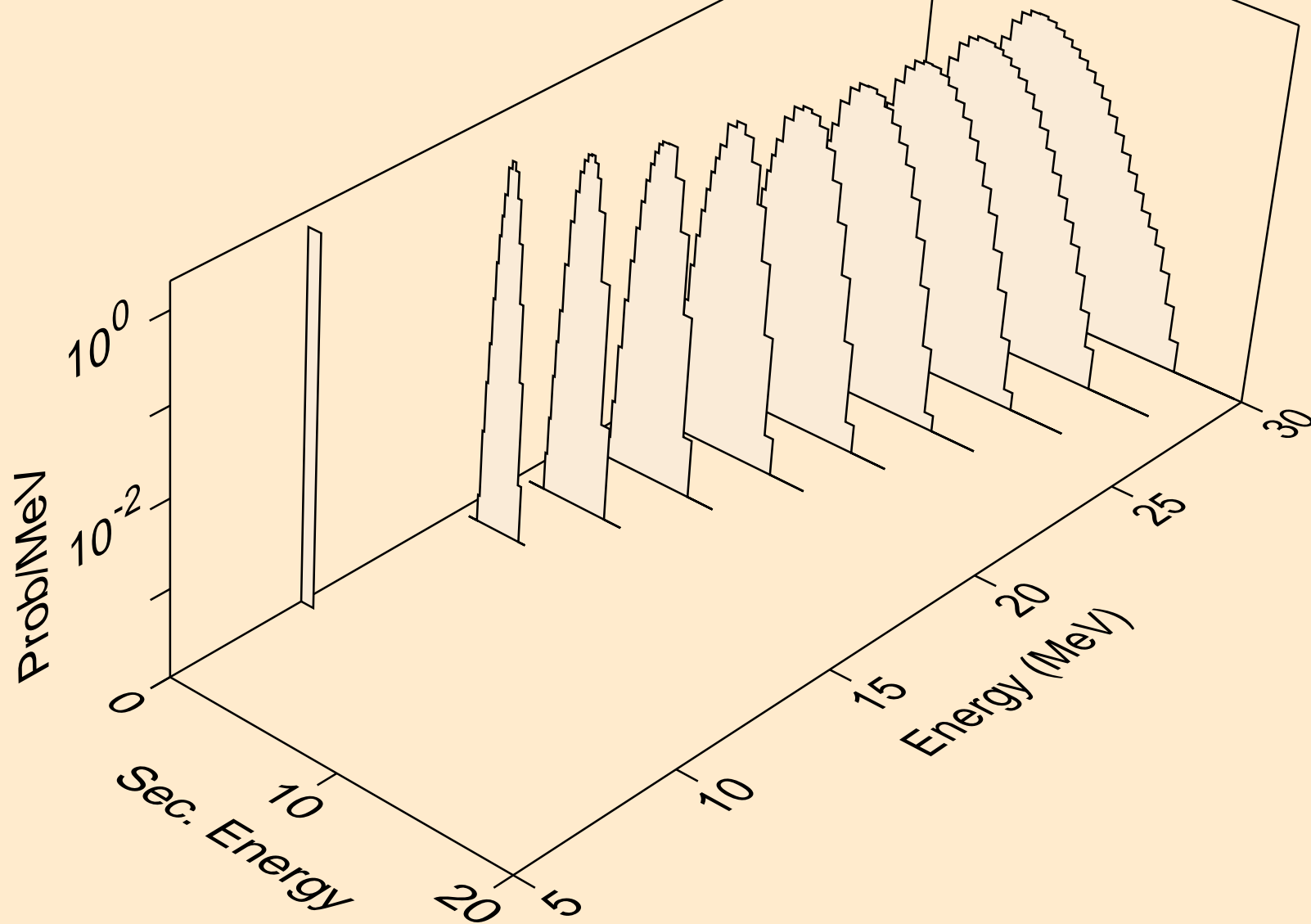




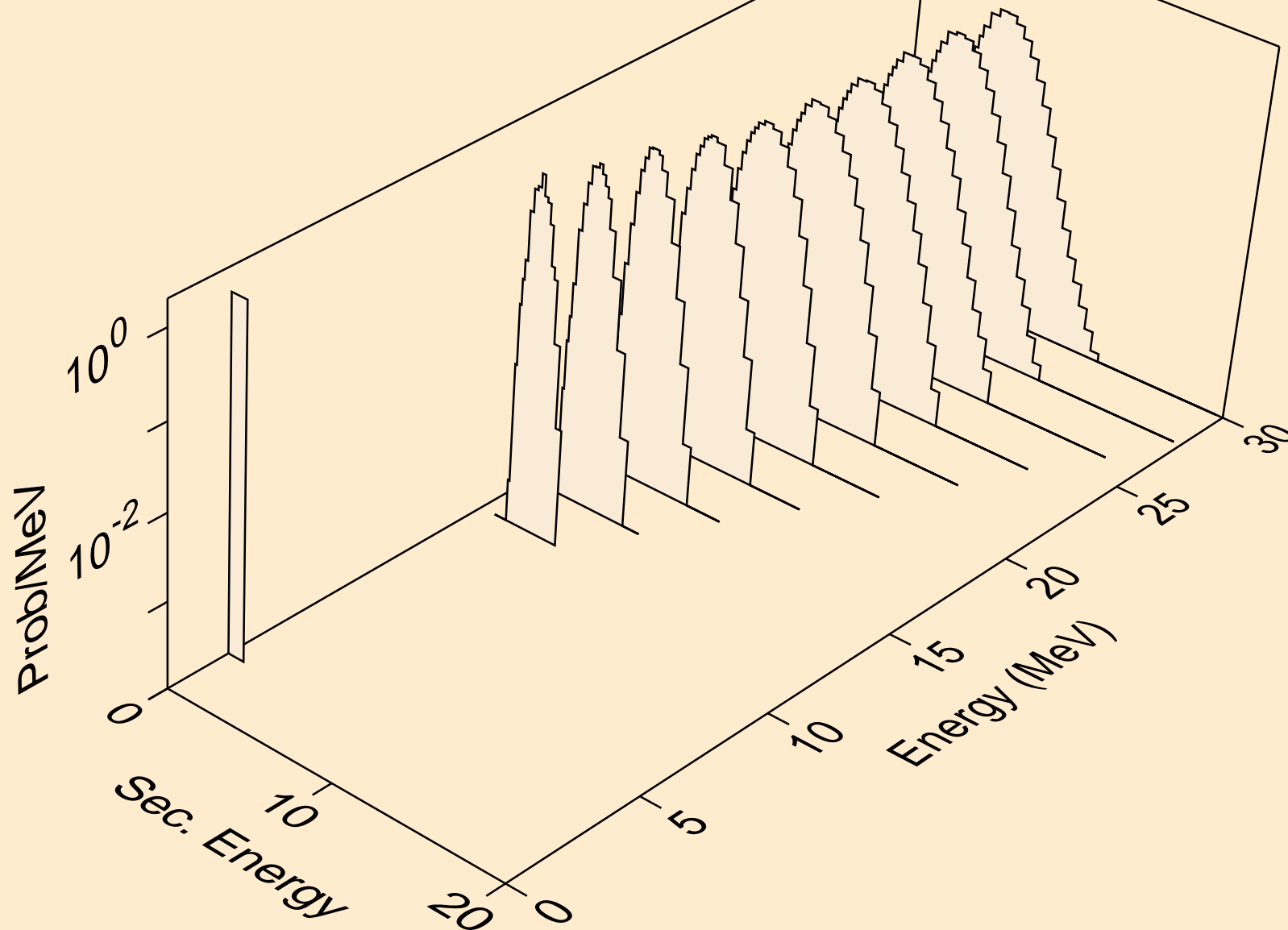
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,p)



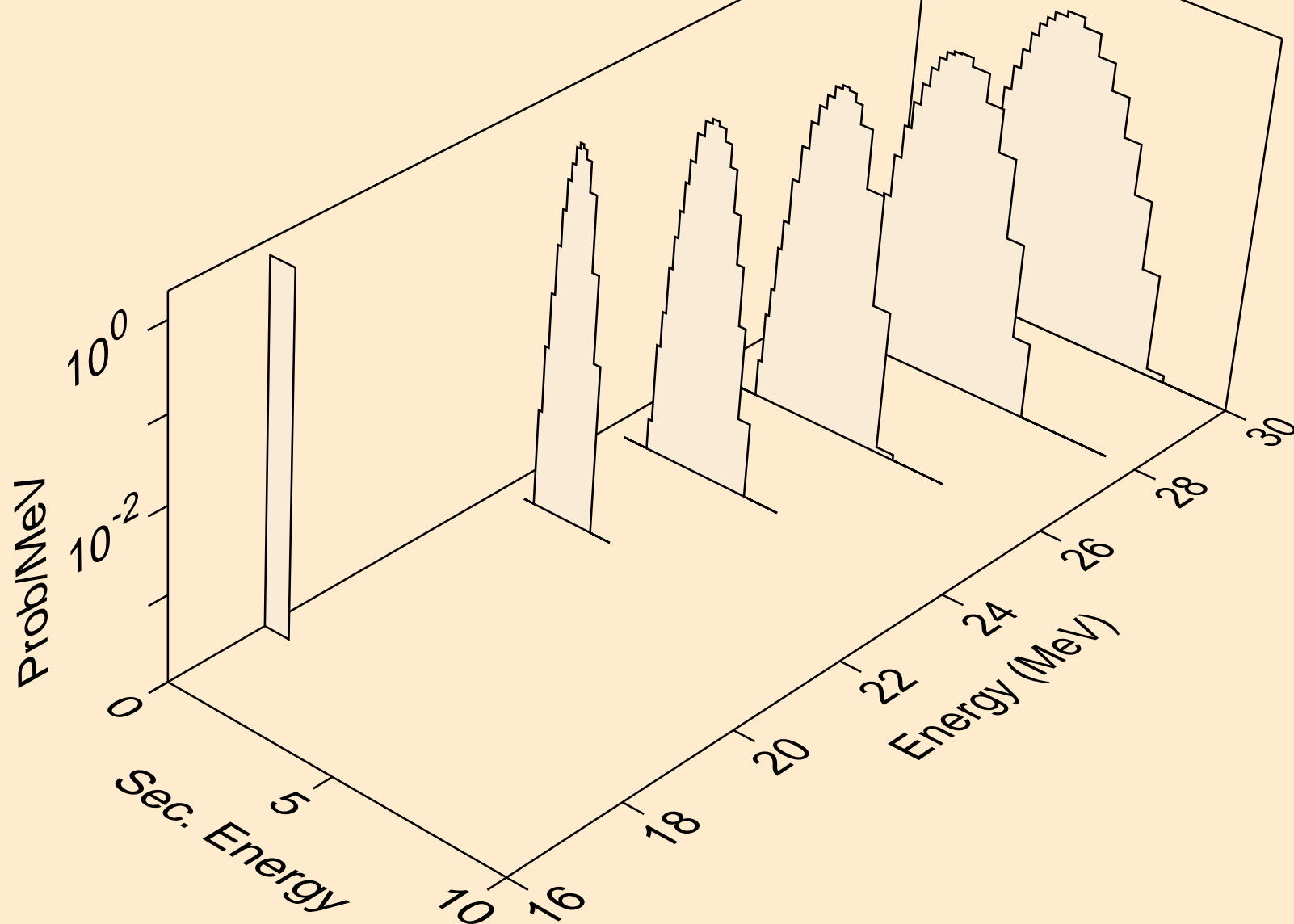
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,2p)



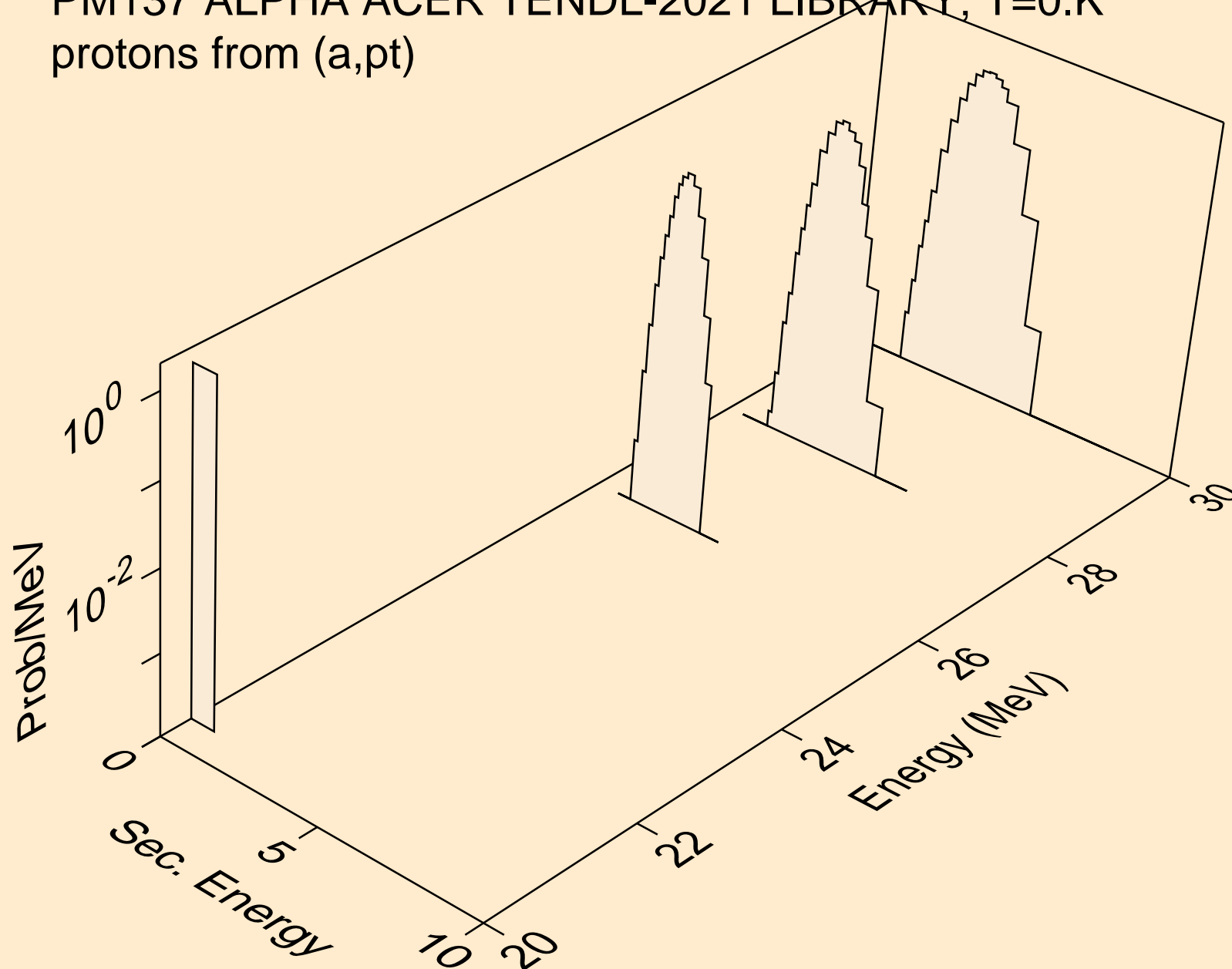
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,pa)



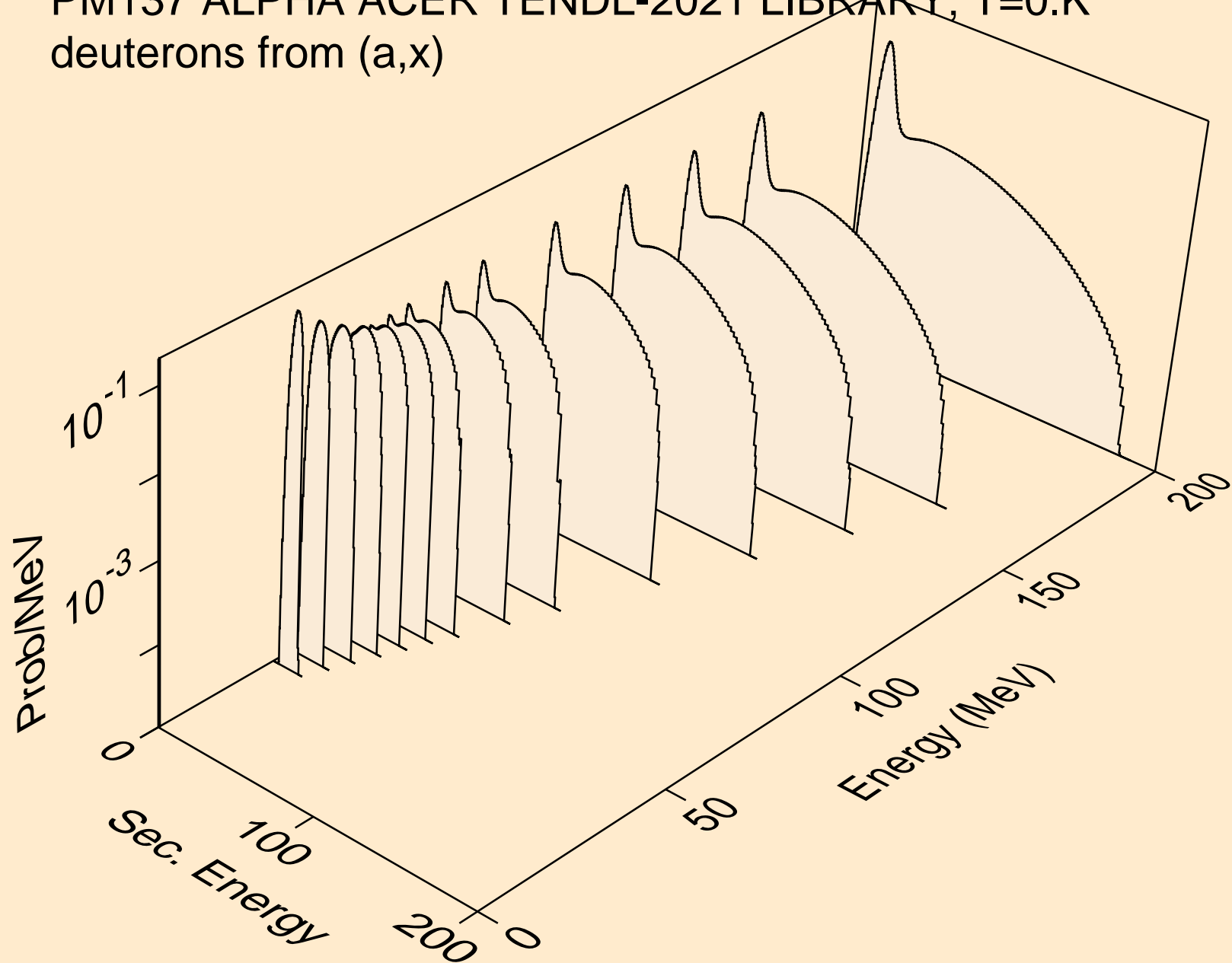
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,pd)



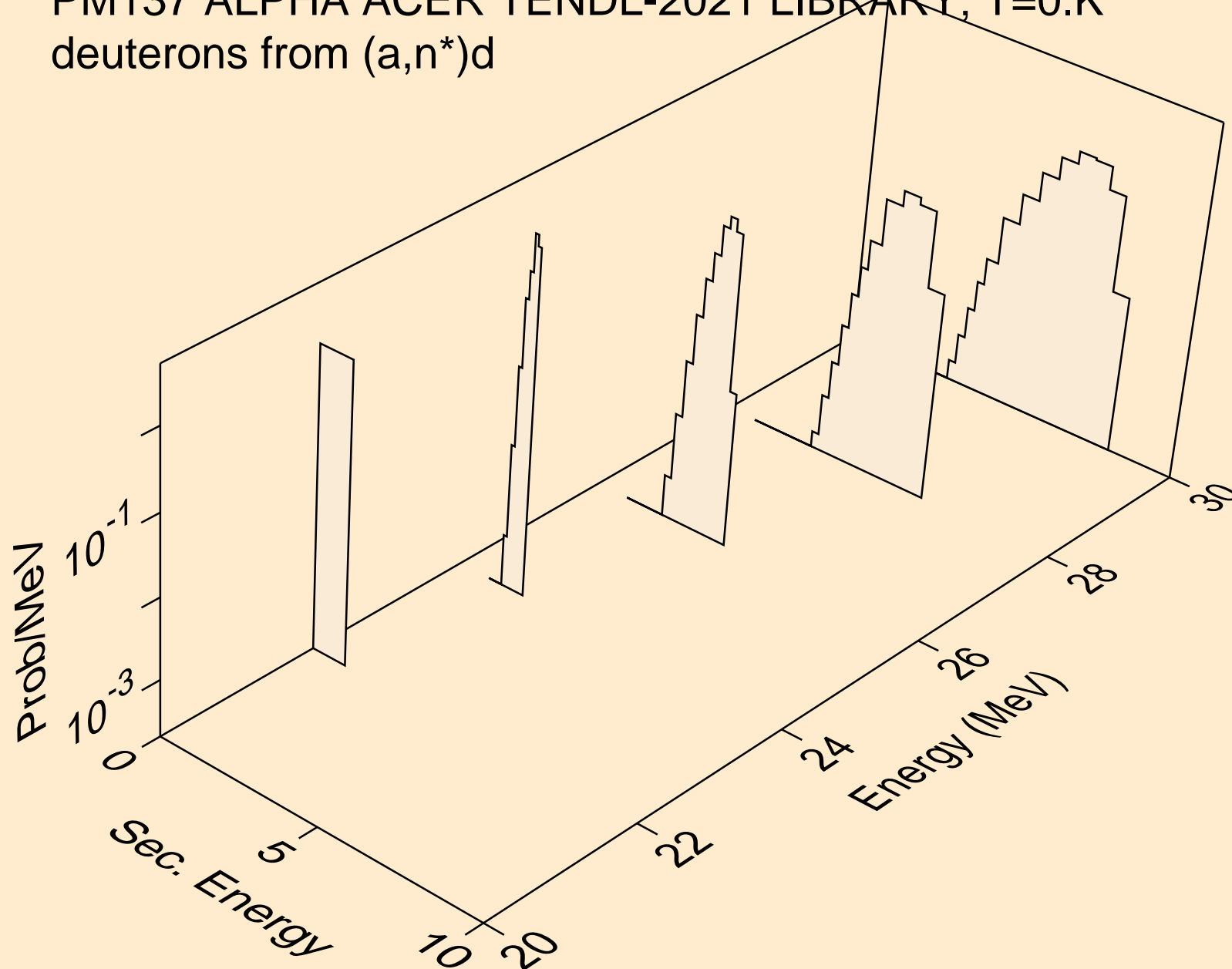
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,pt)



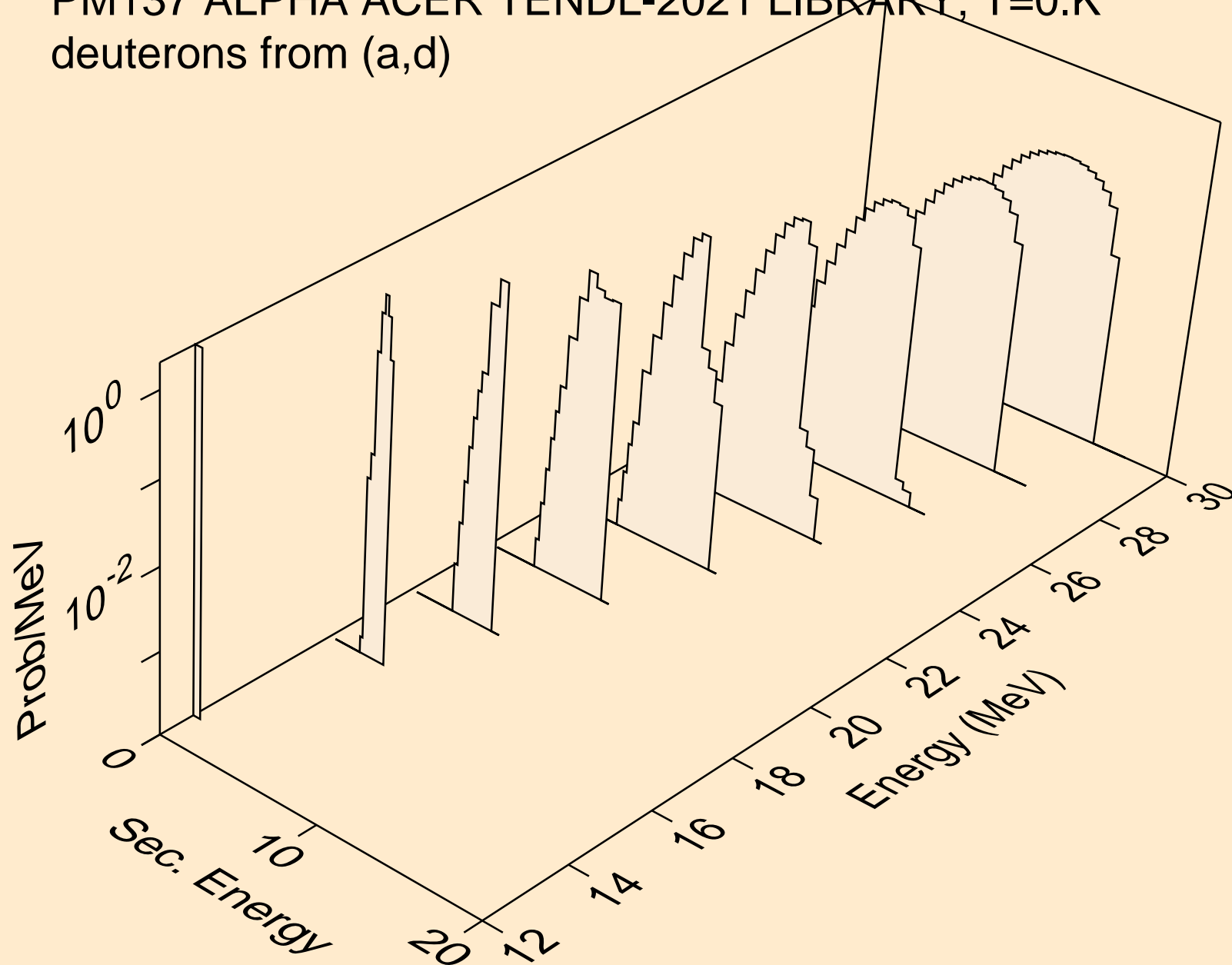
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,x)



PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,n\*)d

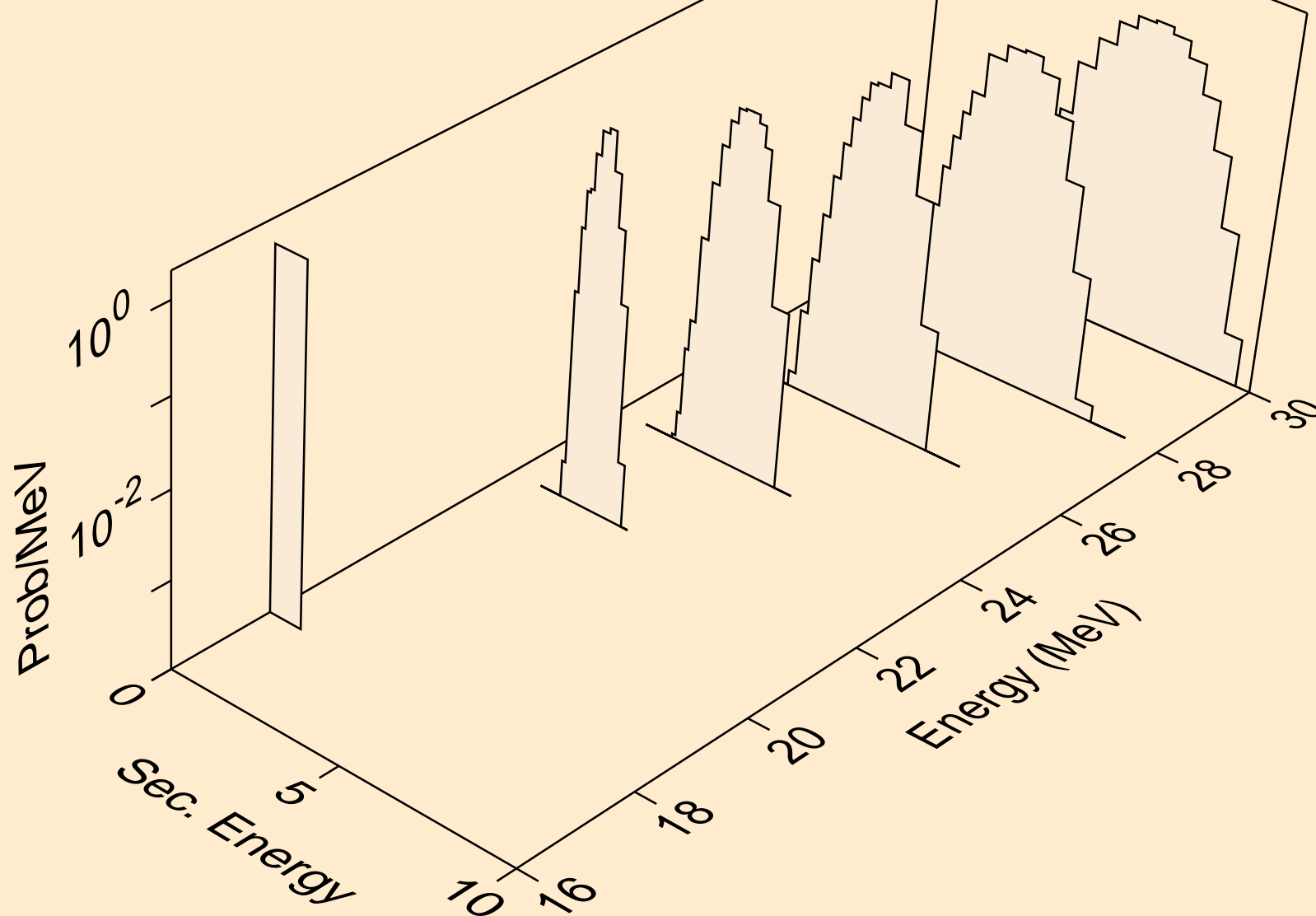


PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,d)

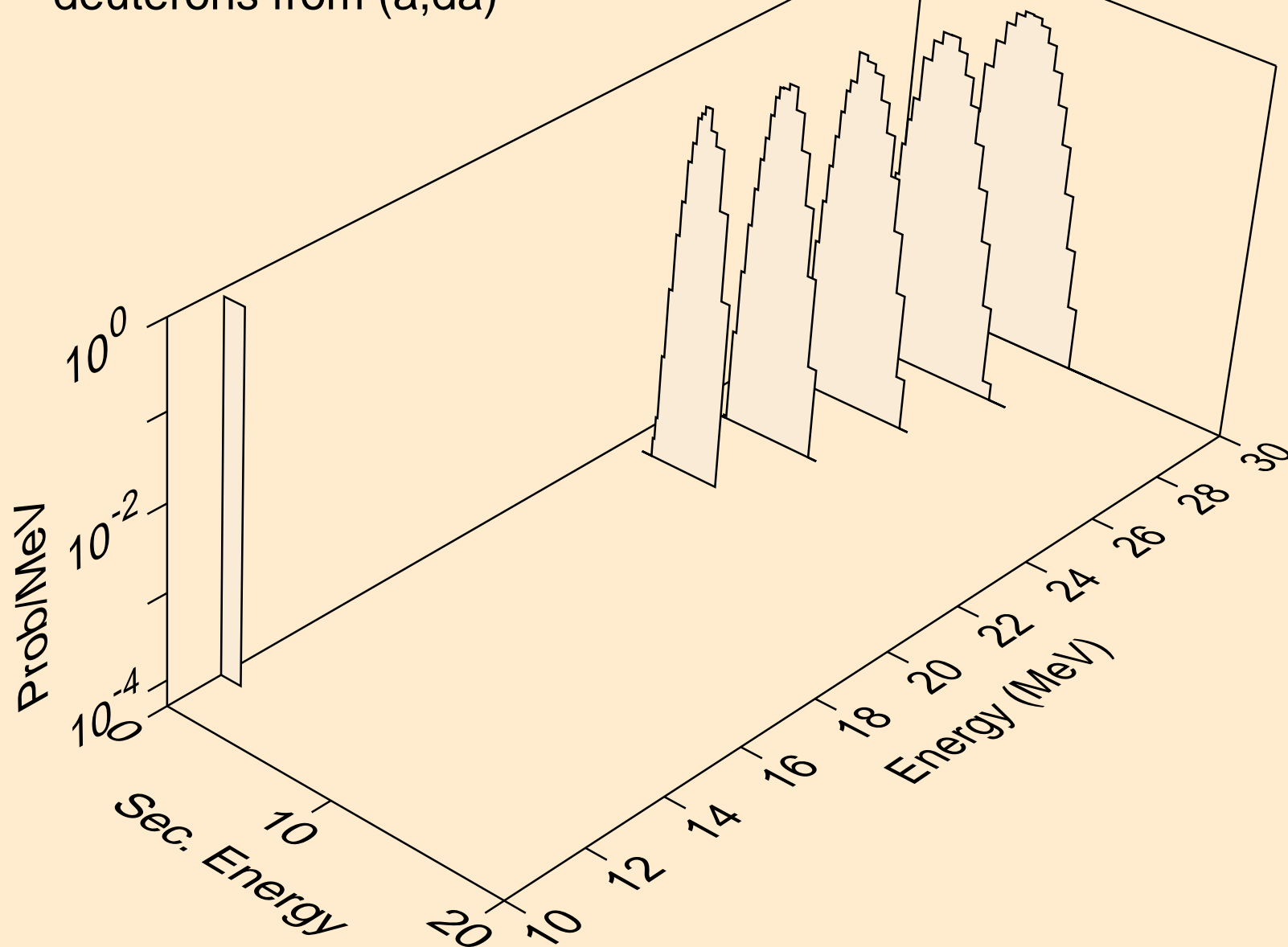




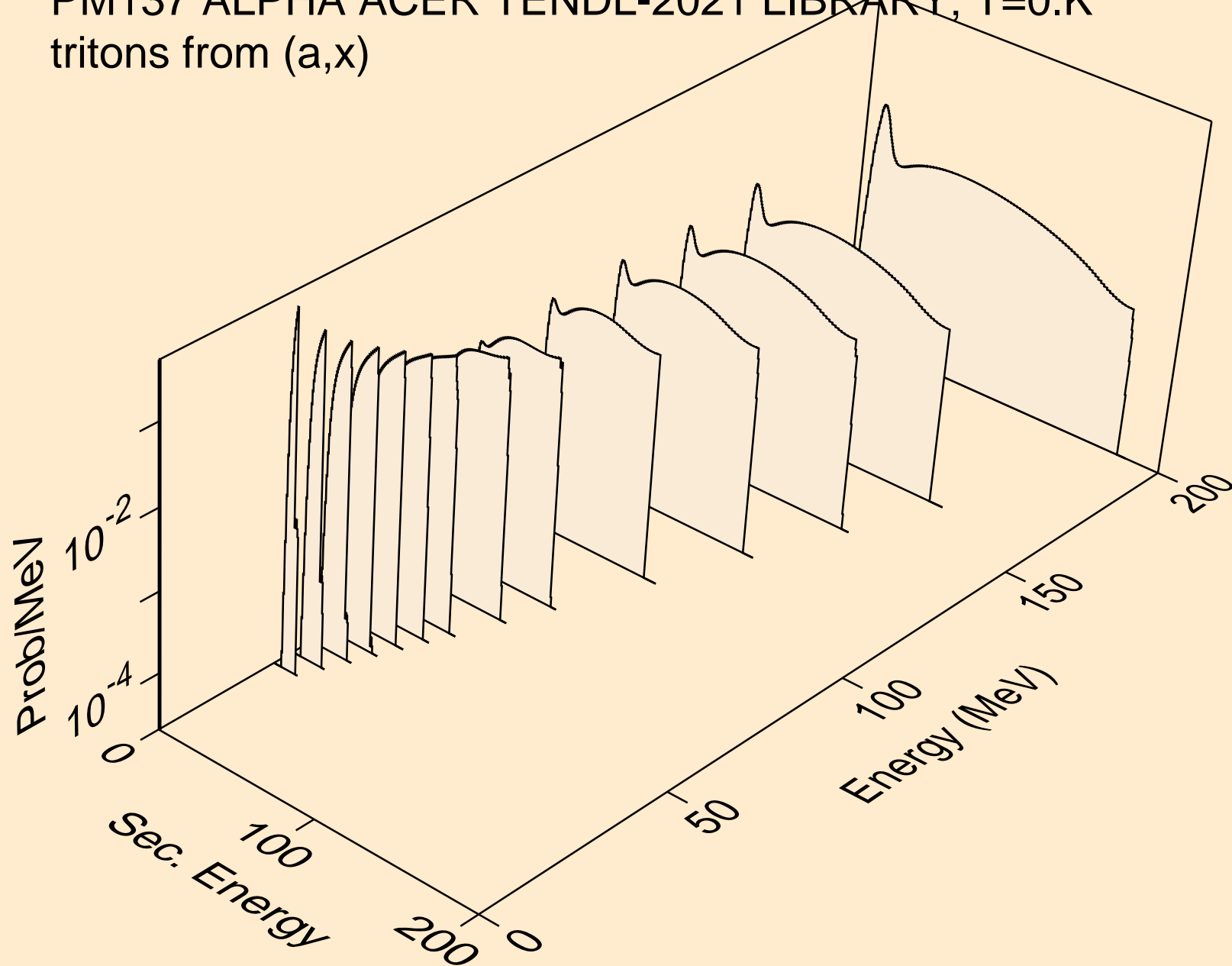
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deuterons from (a,pd)



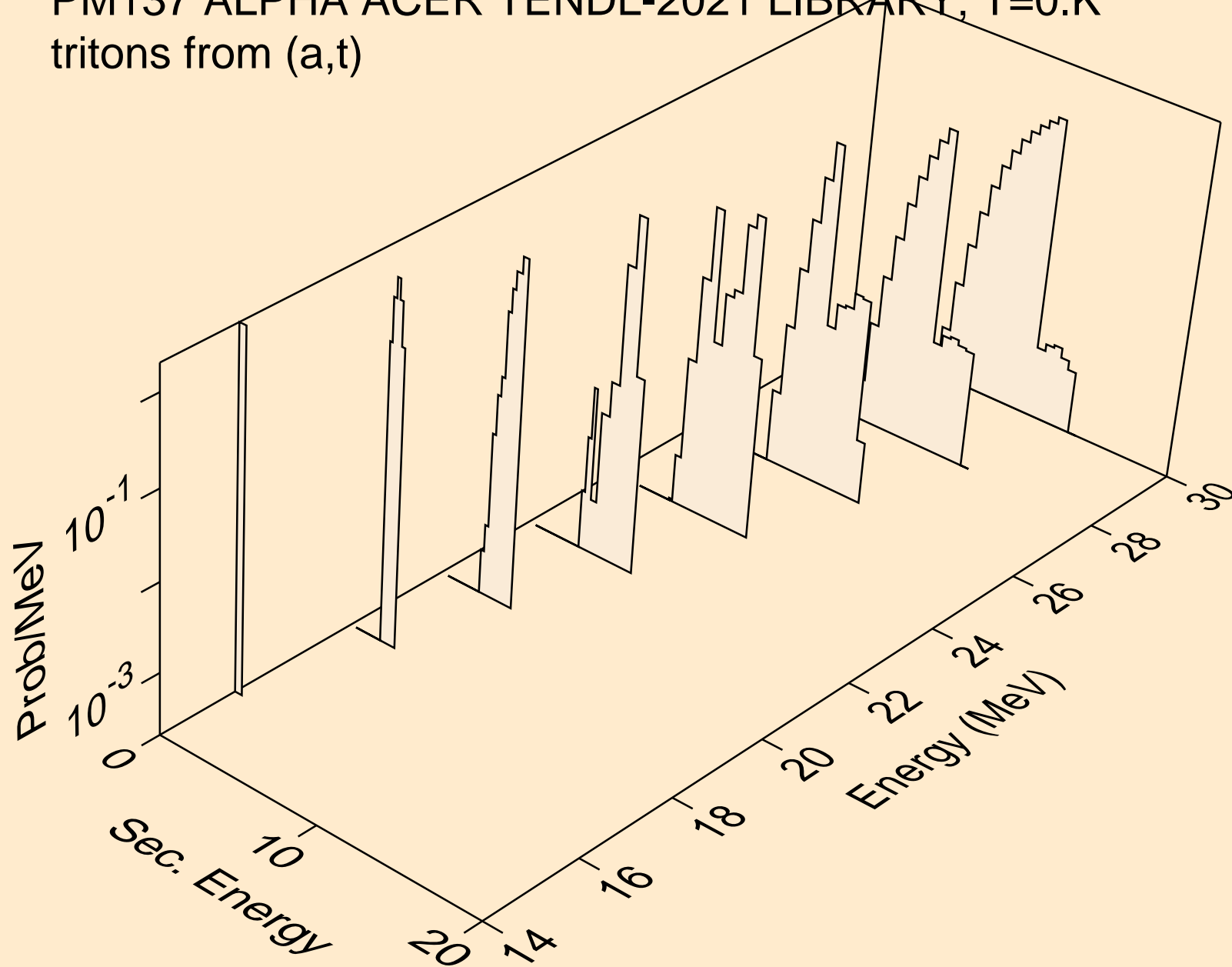
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,da)



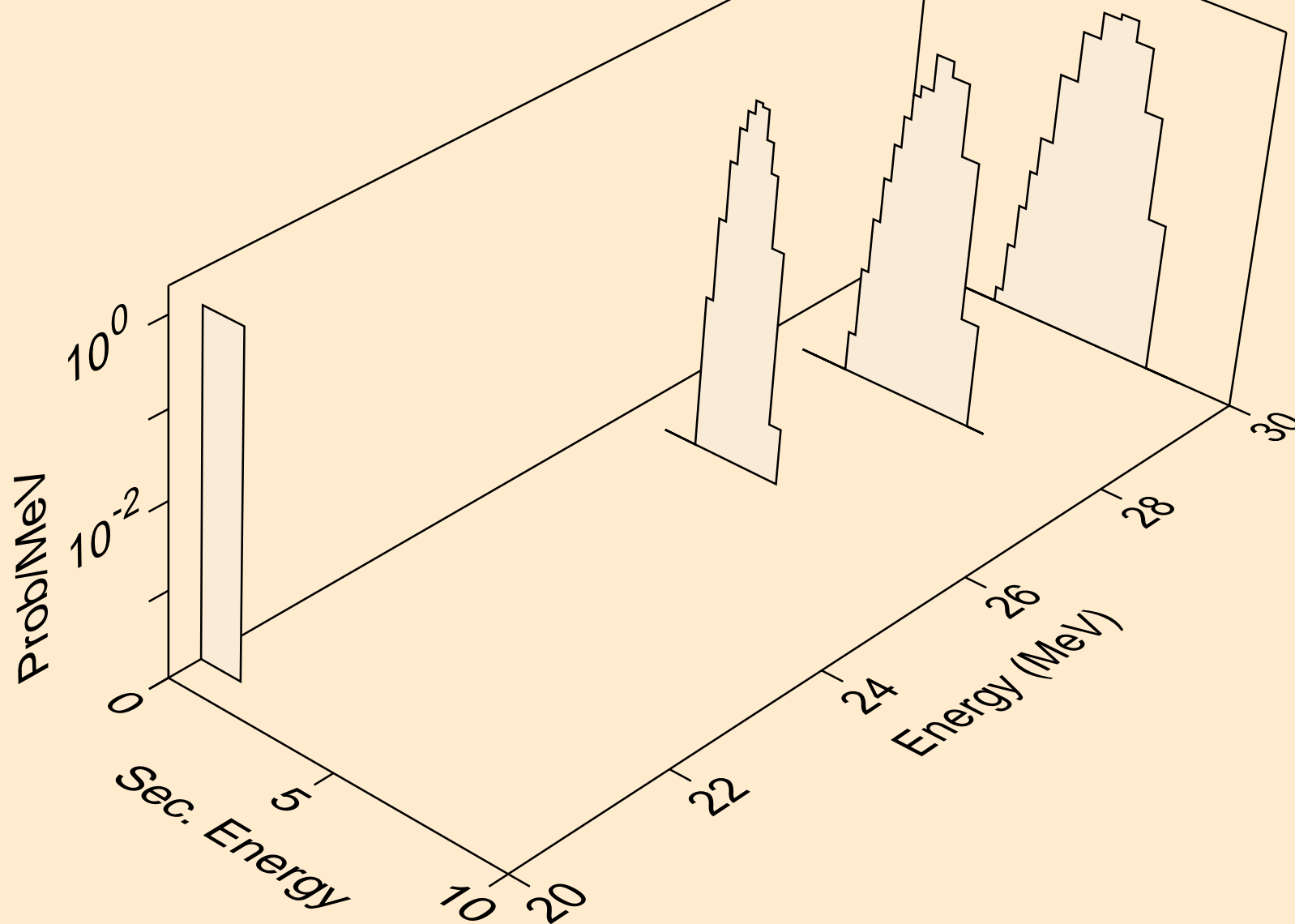
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (a,x)



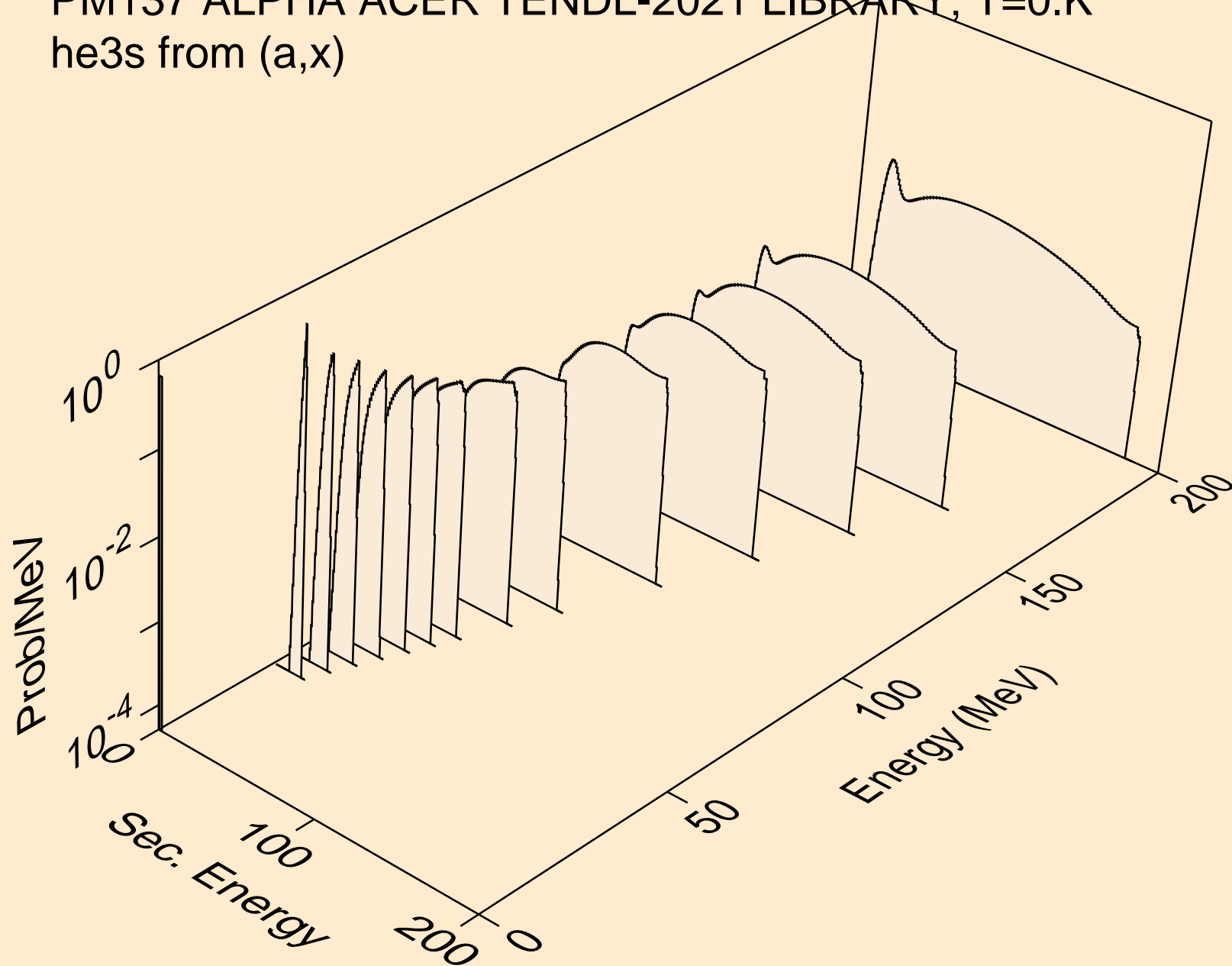
PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (a,t)



PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (a,pt)



PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (a,x)



PM137 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (a,he3)

