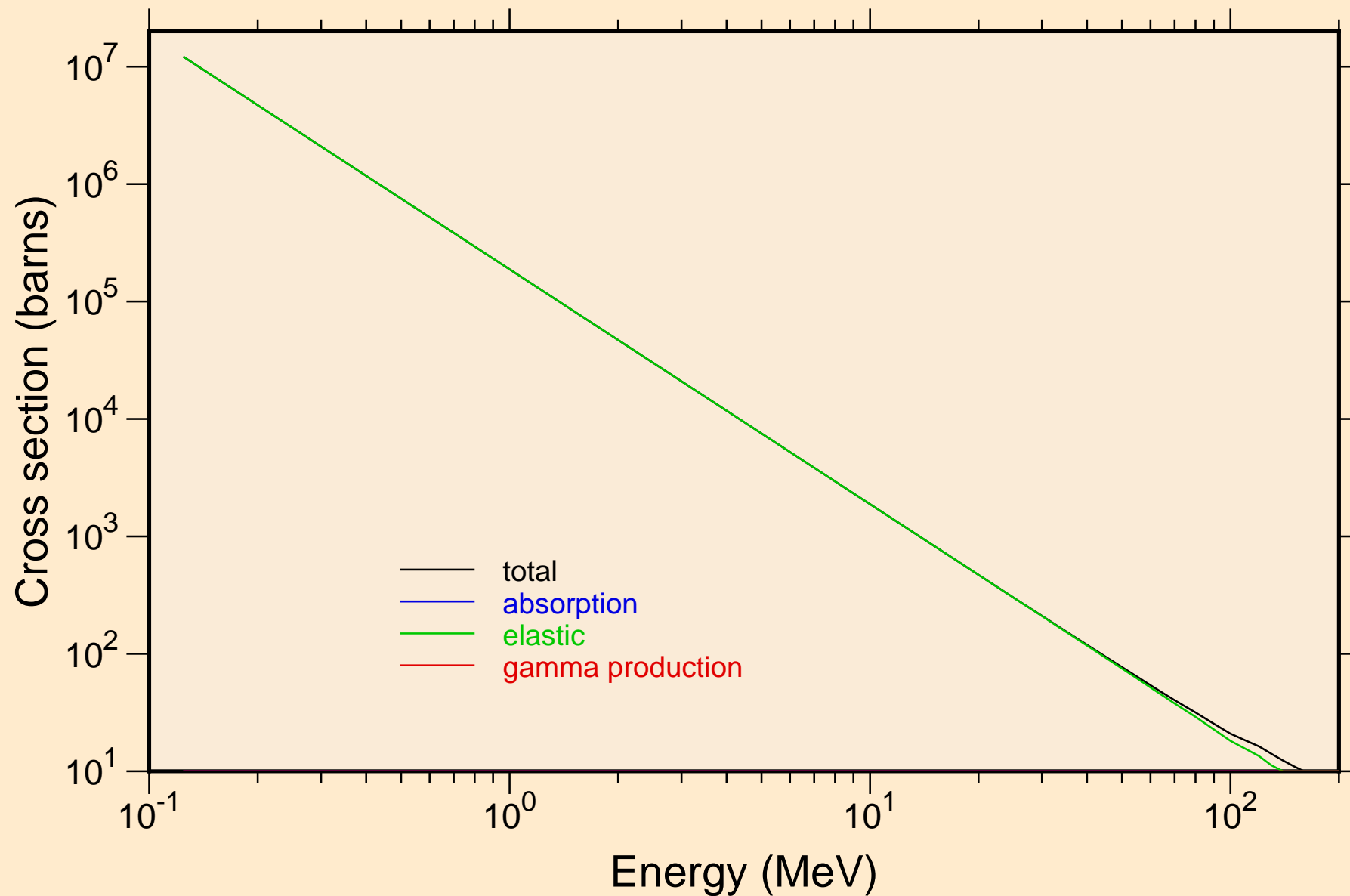


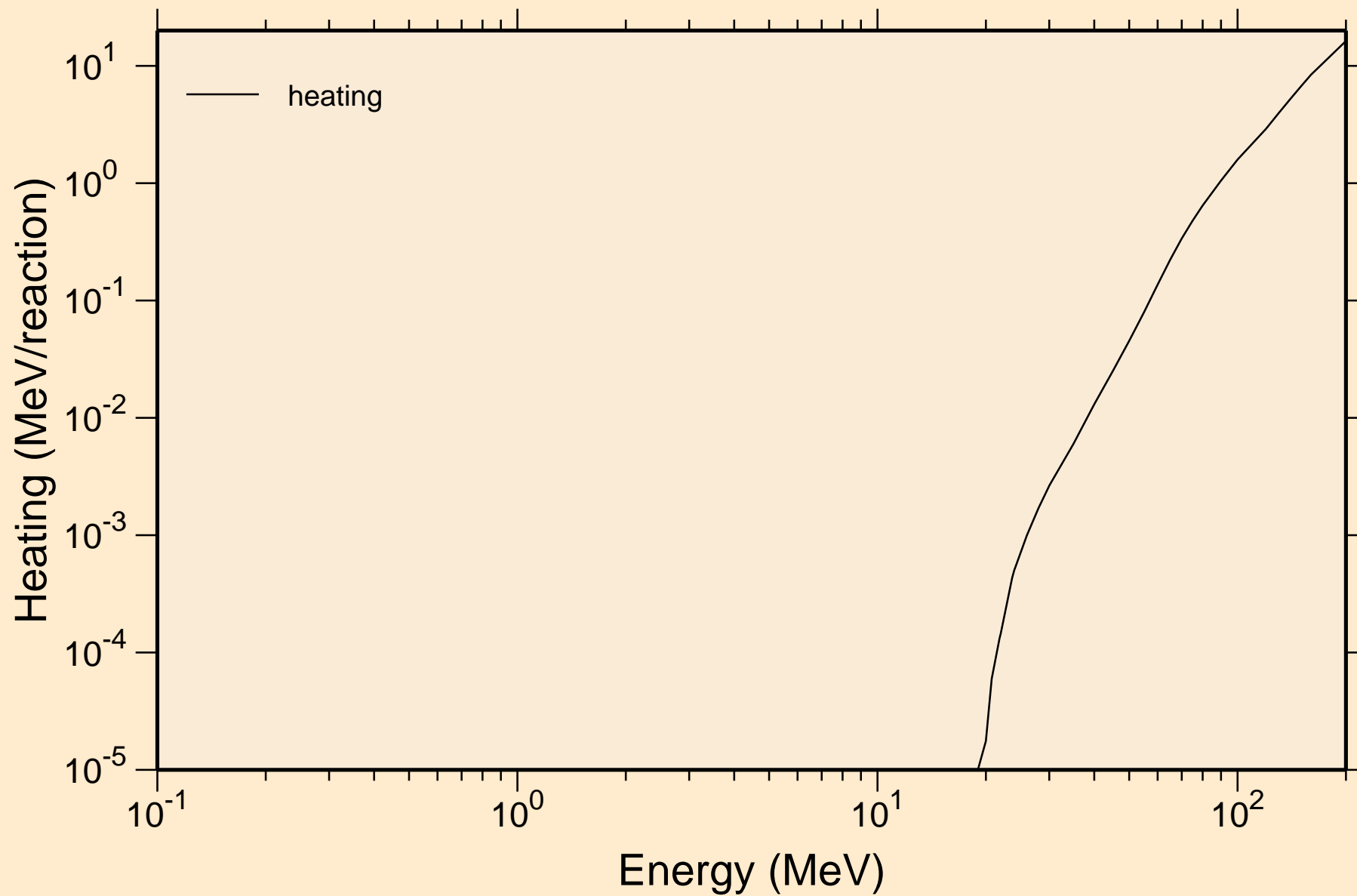
# RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



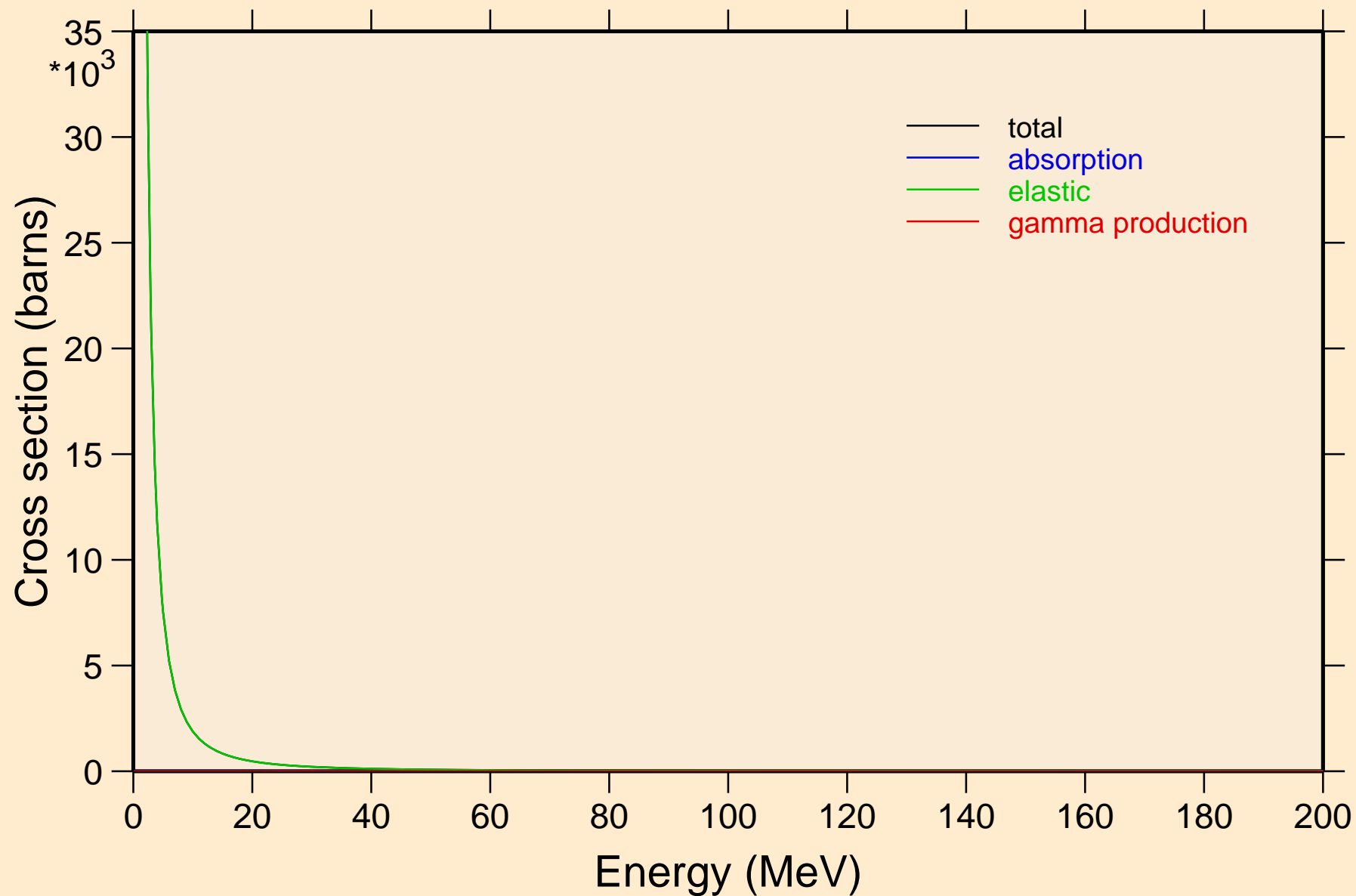
# RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Heating



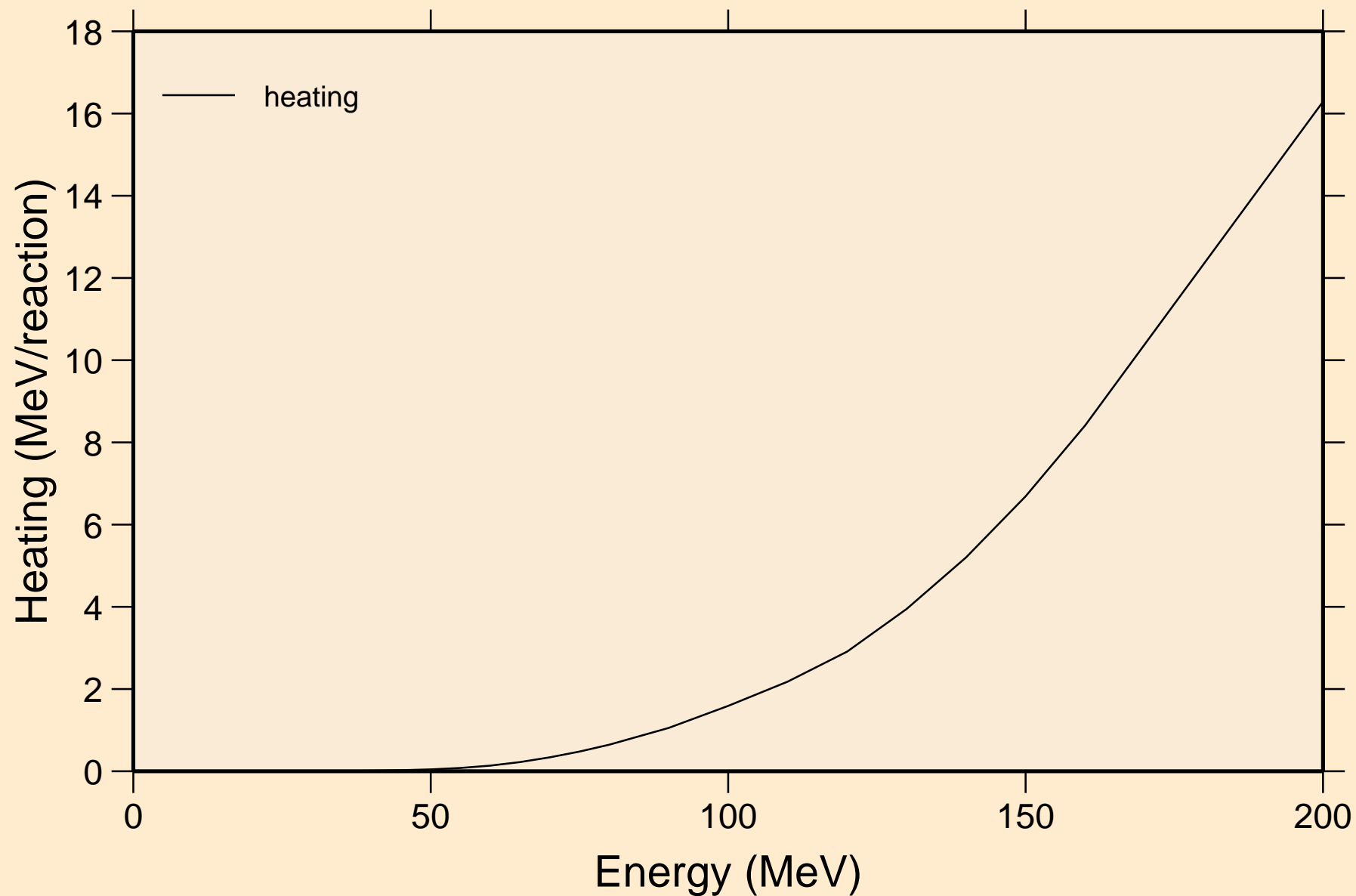
# RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



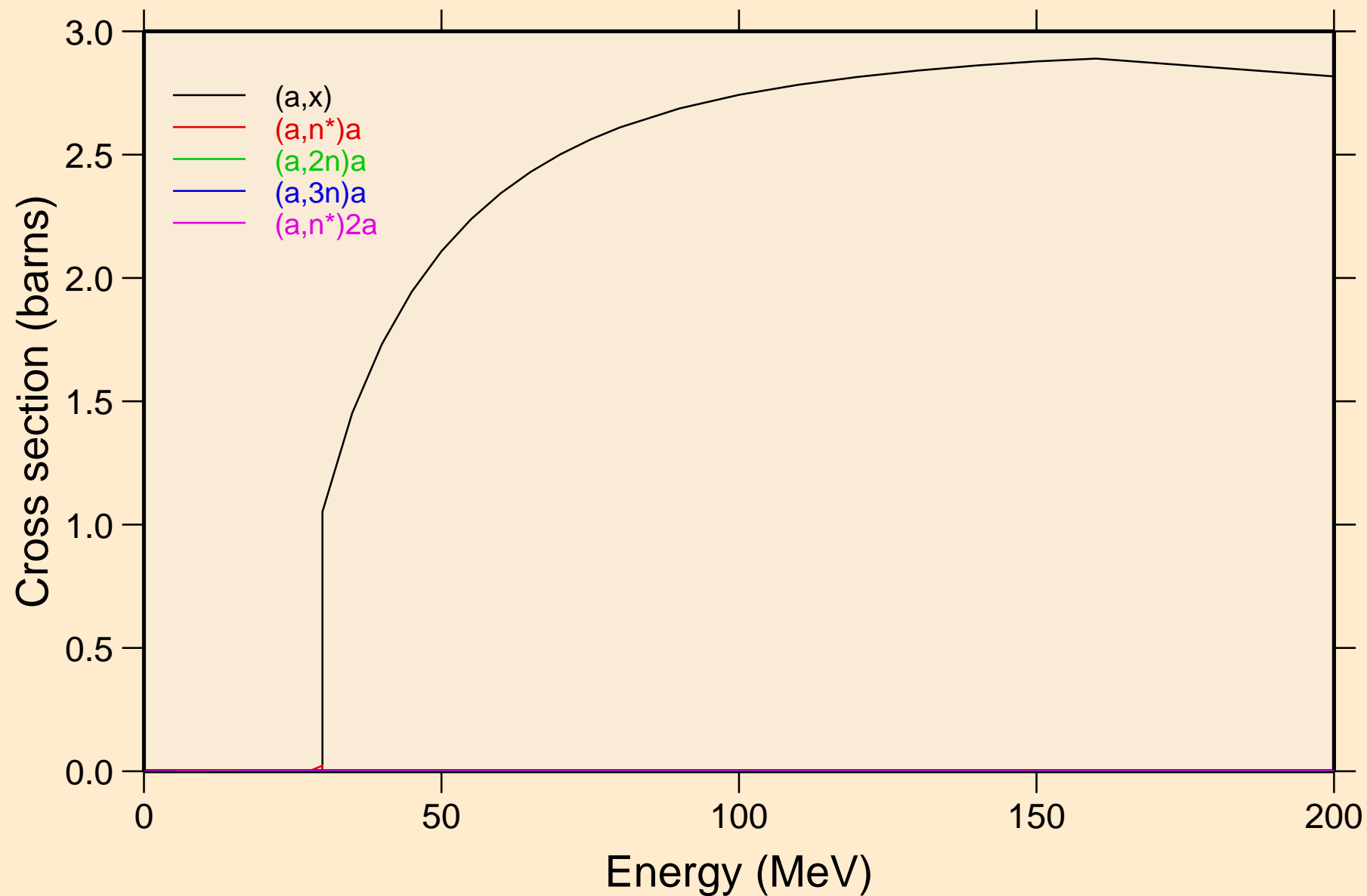
# RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Heating



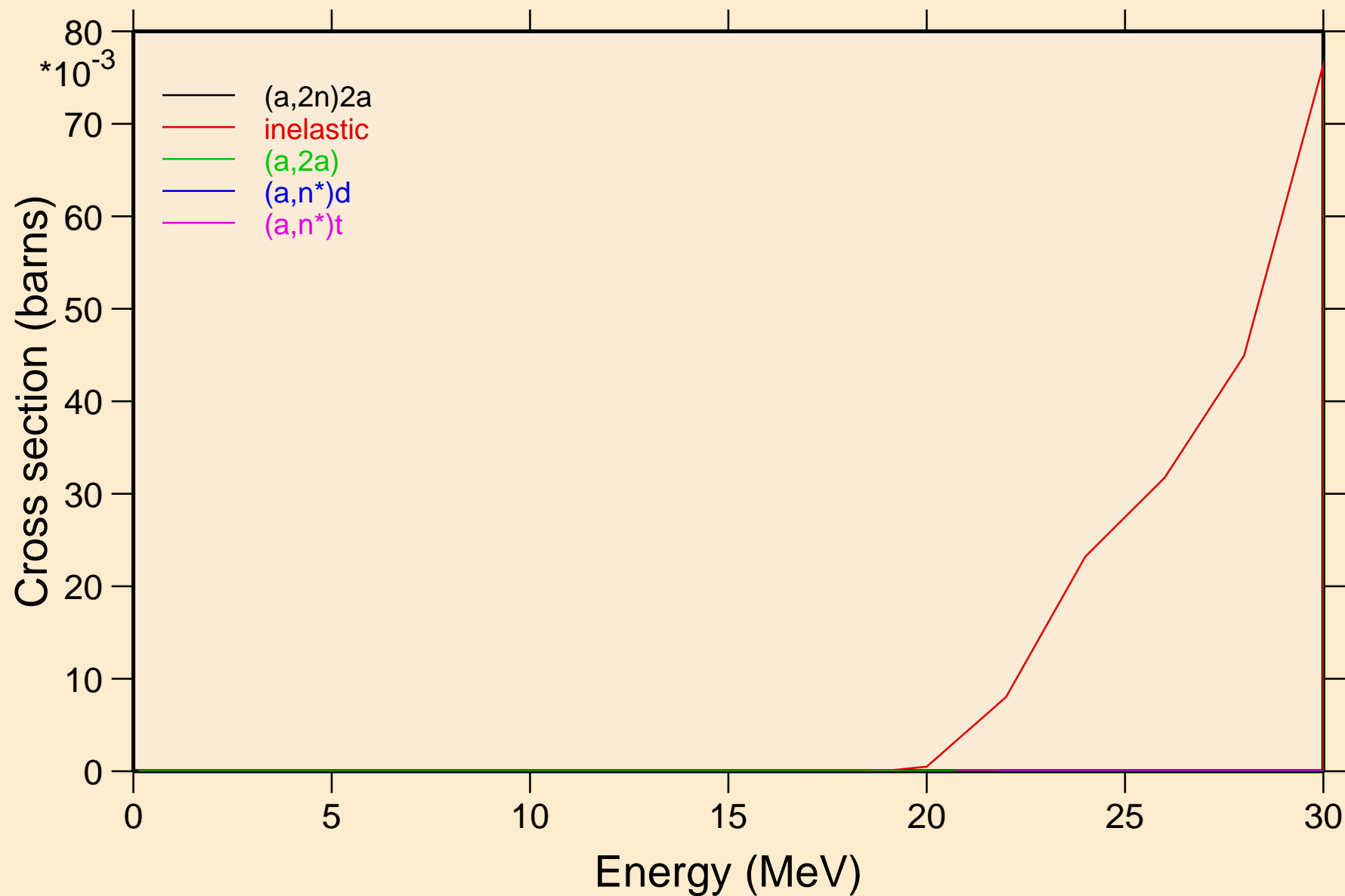
# RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Threshold reactions



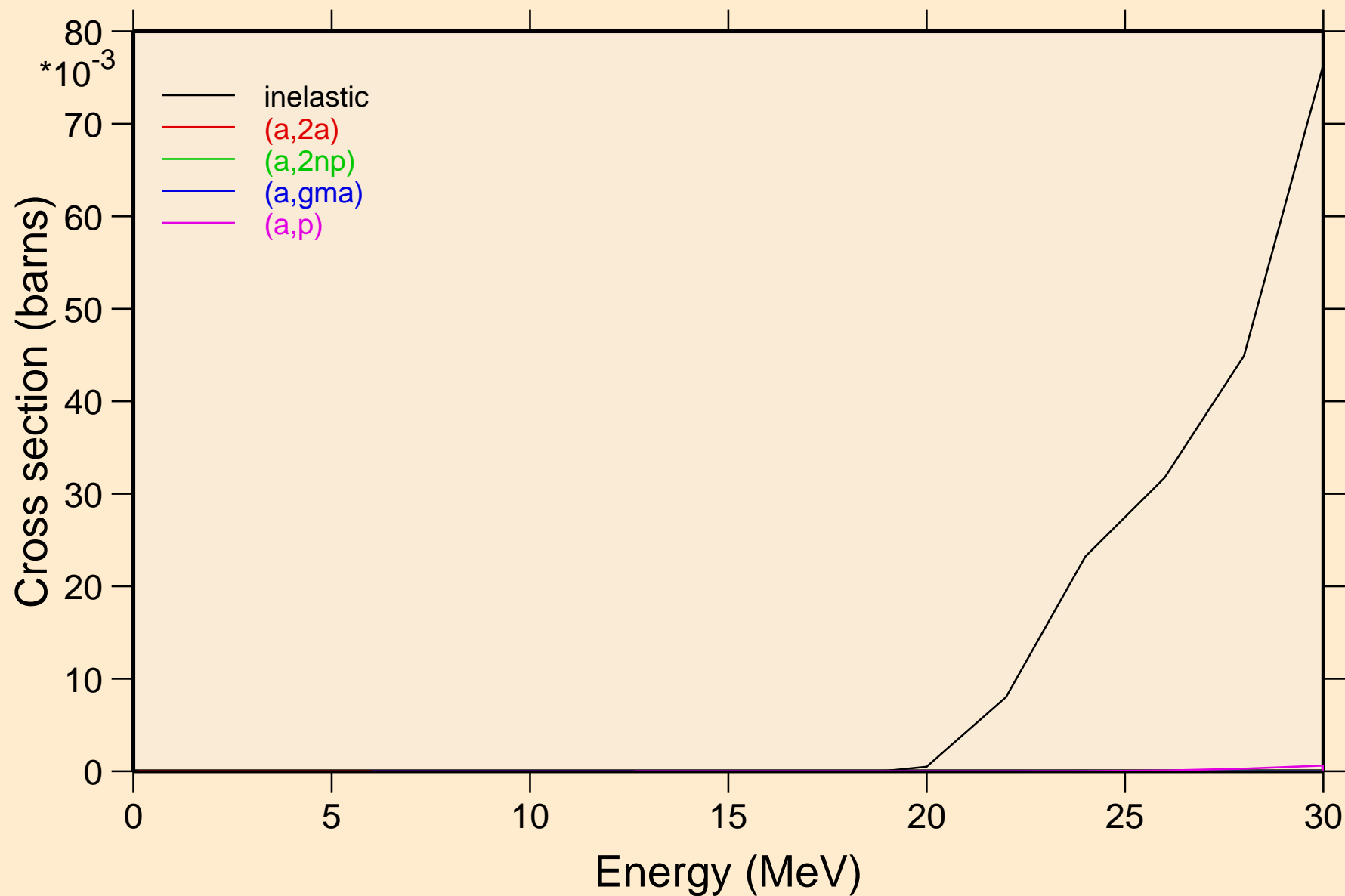
# RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Threshold reactions



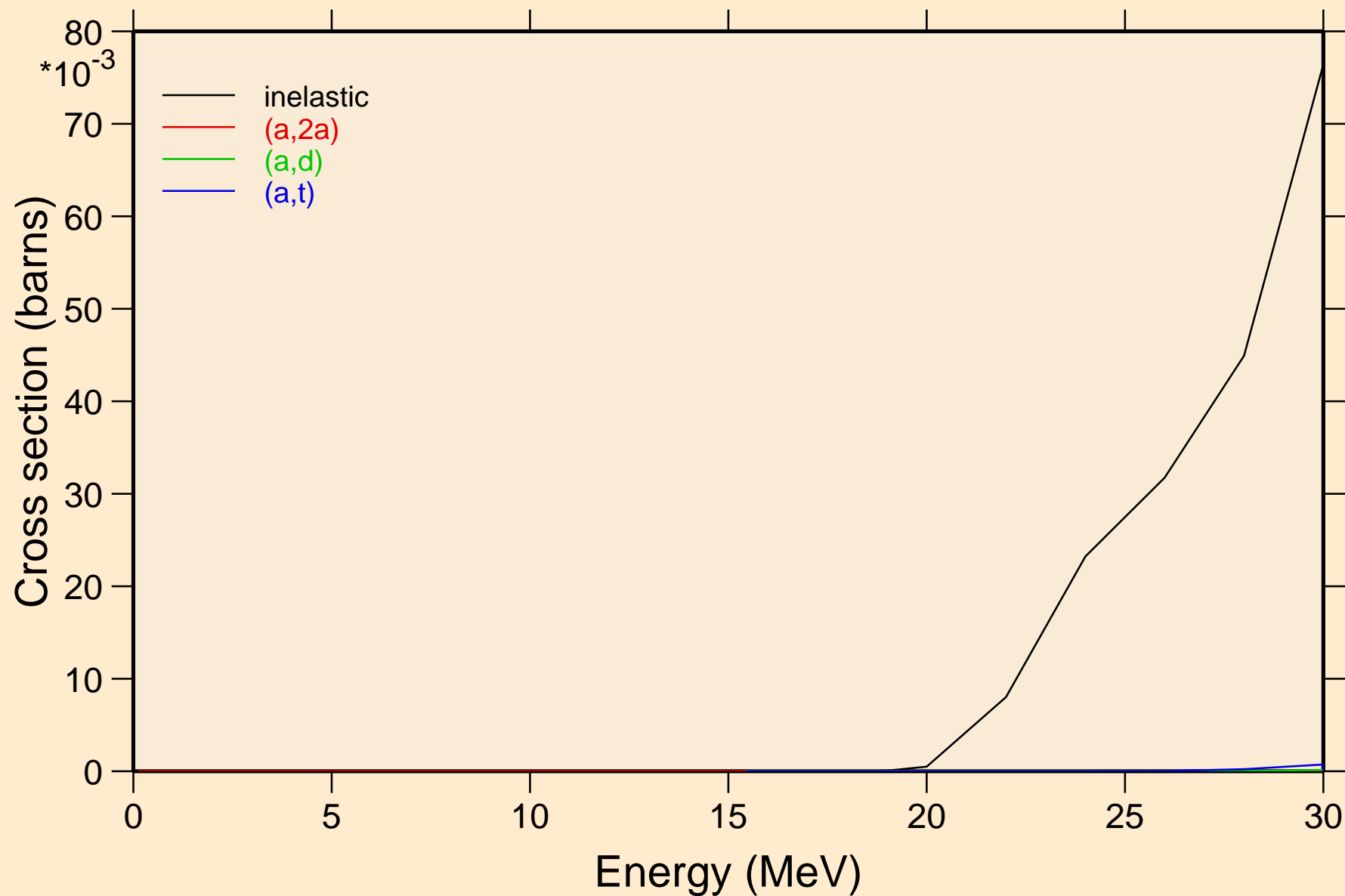
# RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



# RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

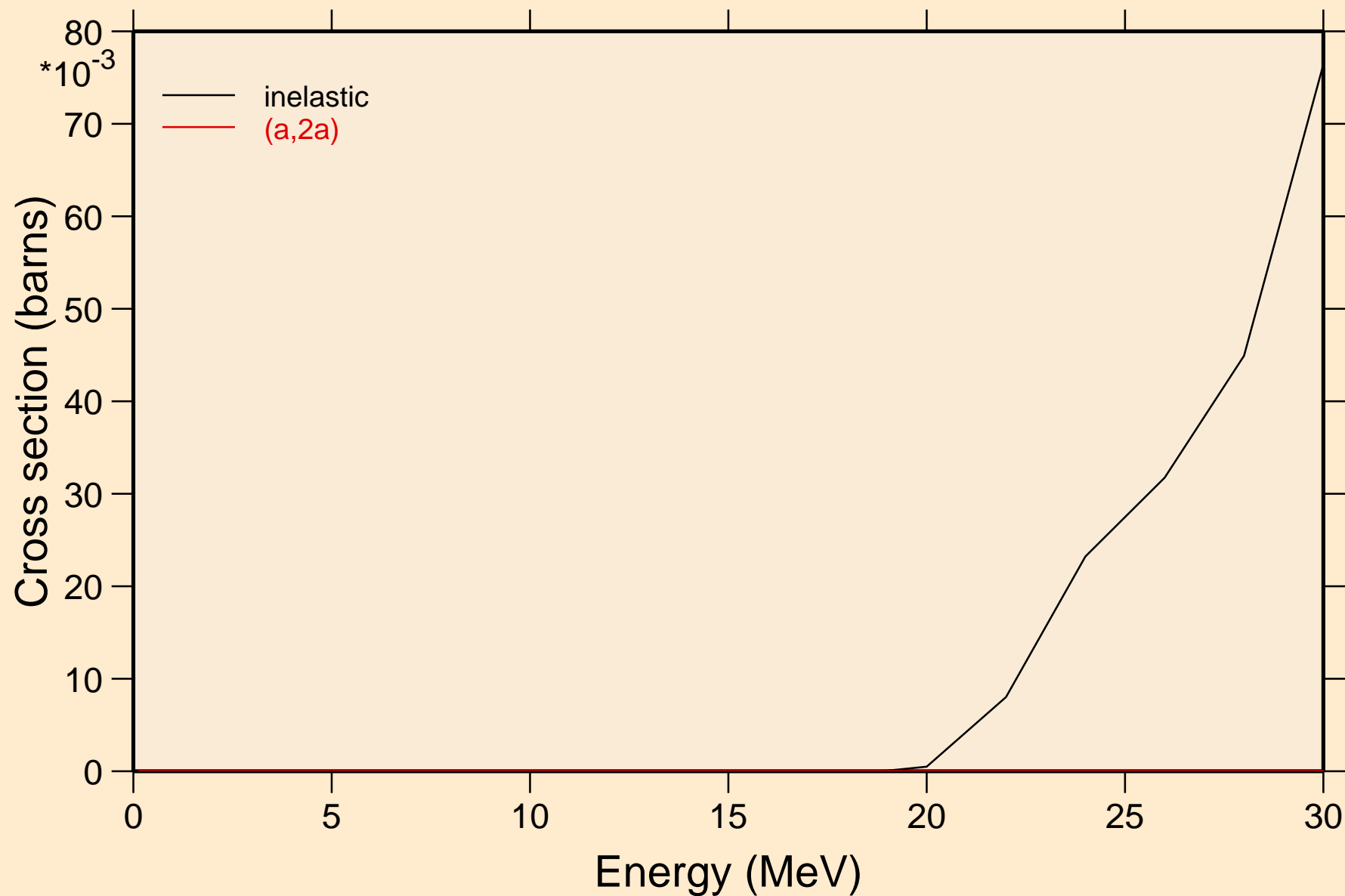
## Threshold reactions



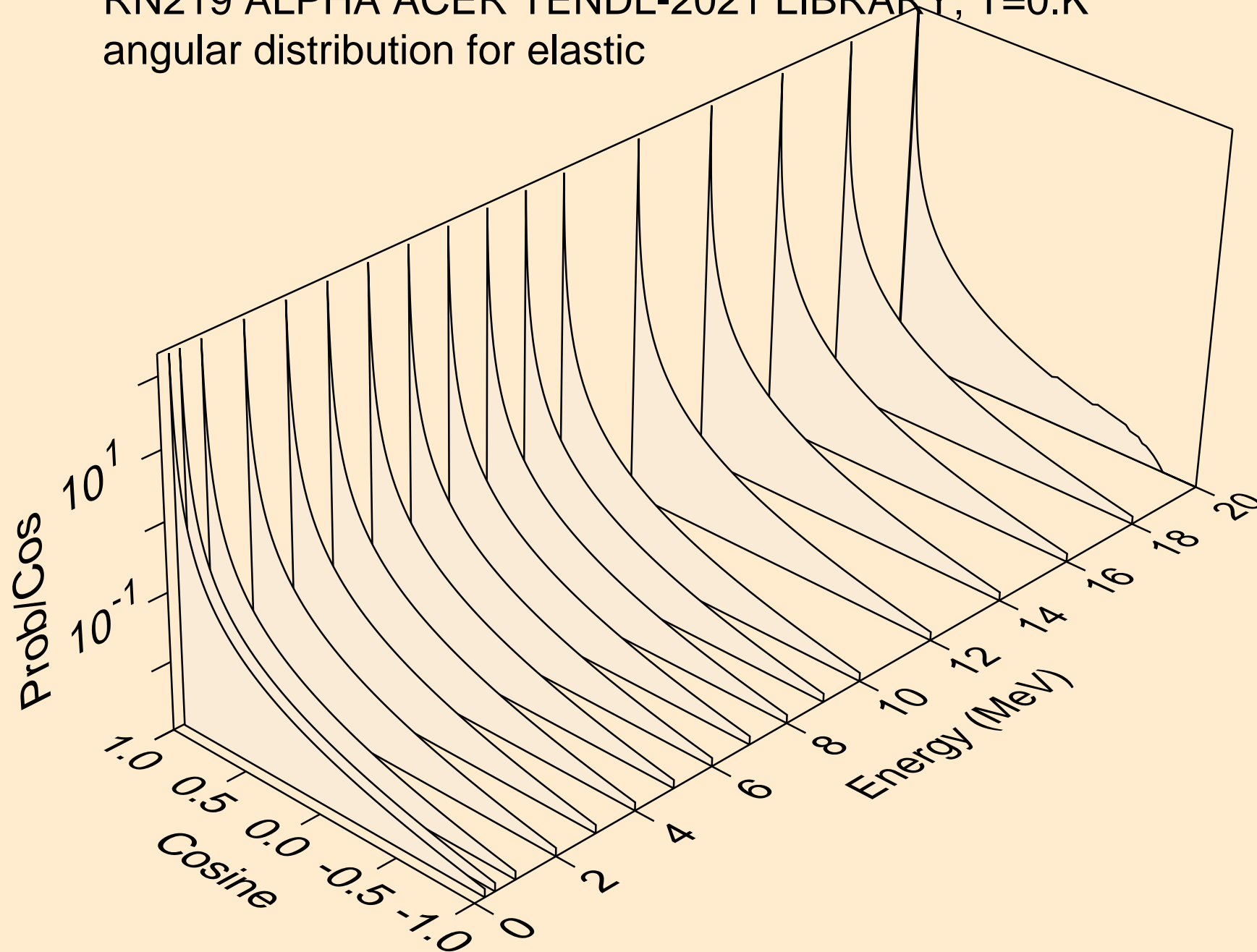


# RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

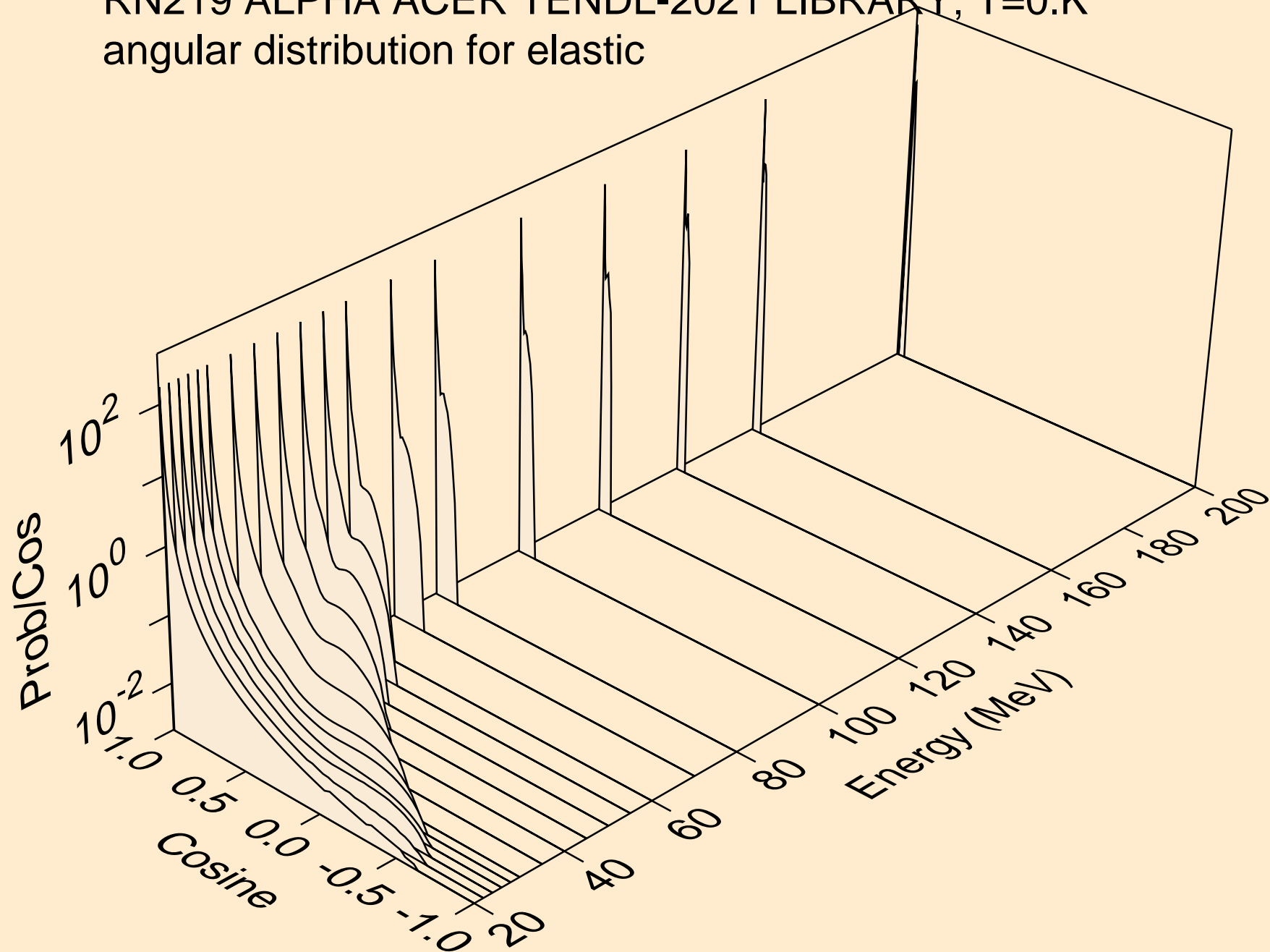
## Threshold reactions



RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic

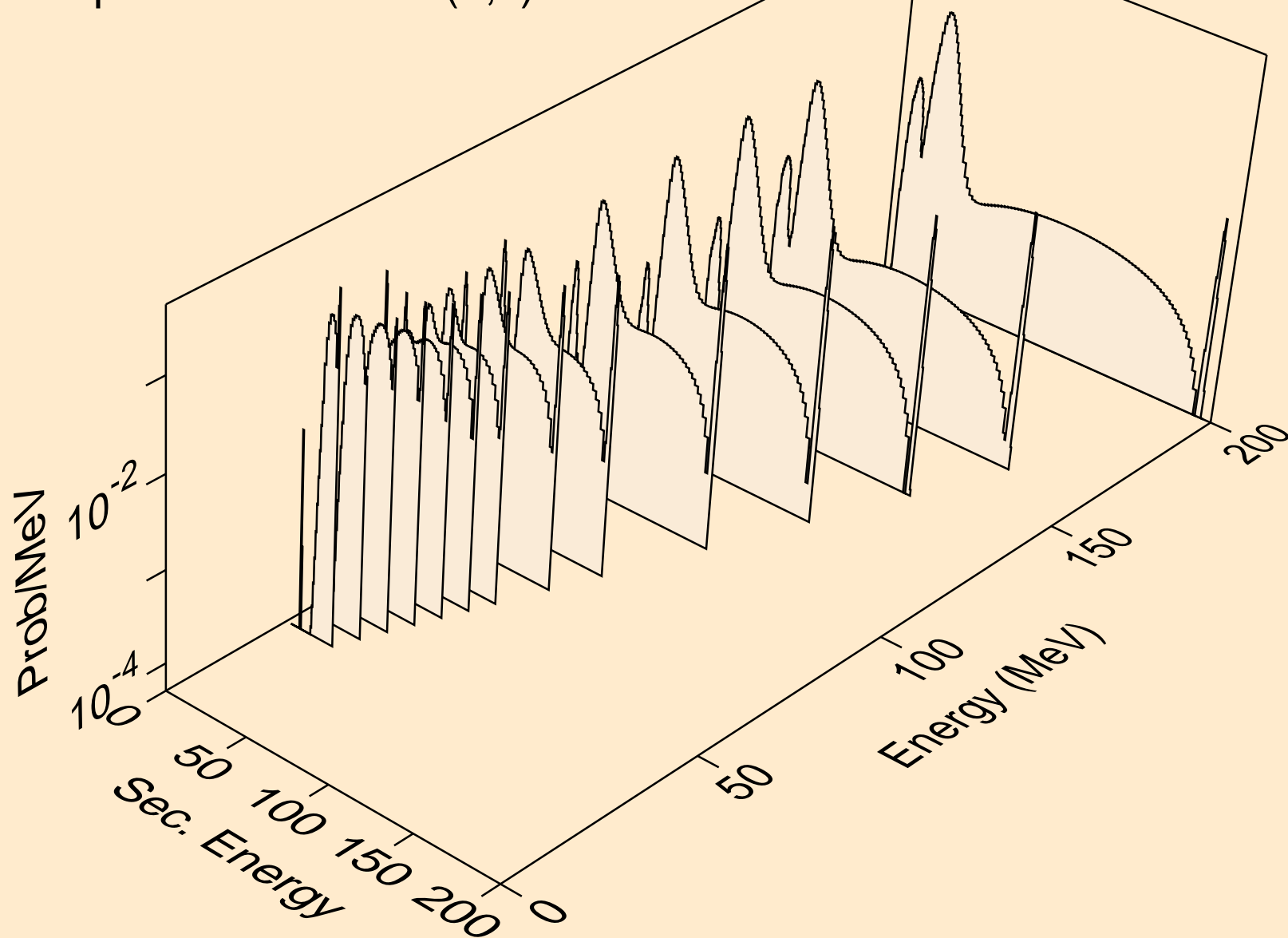


RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



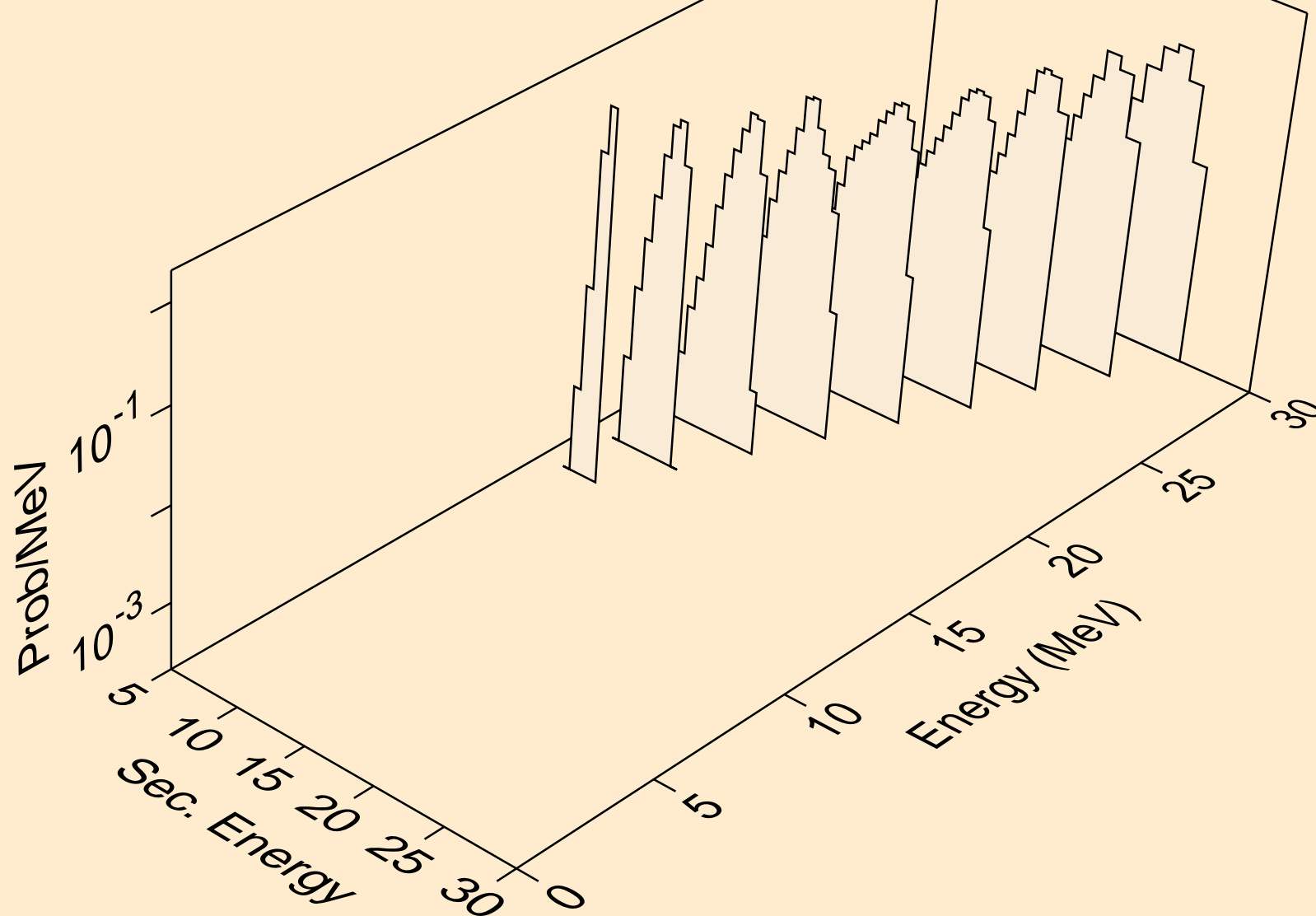
RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Alpha emission for (a,x)



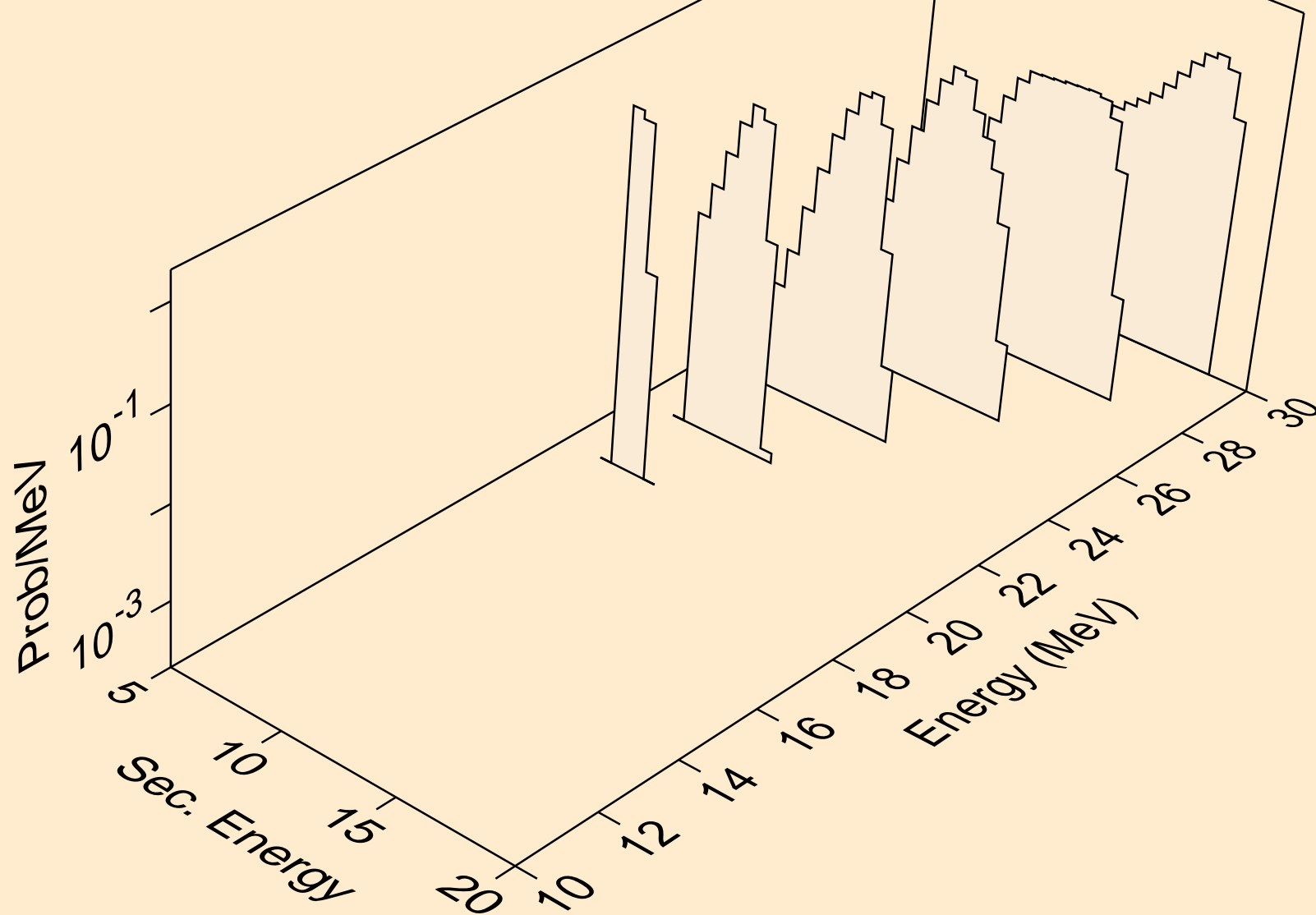
RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Alpha emission for (a,n\*)a



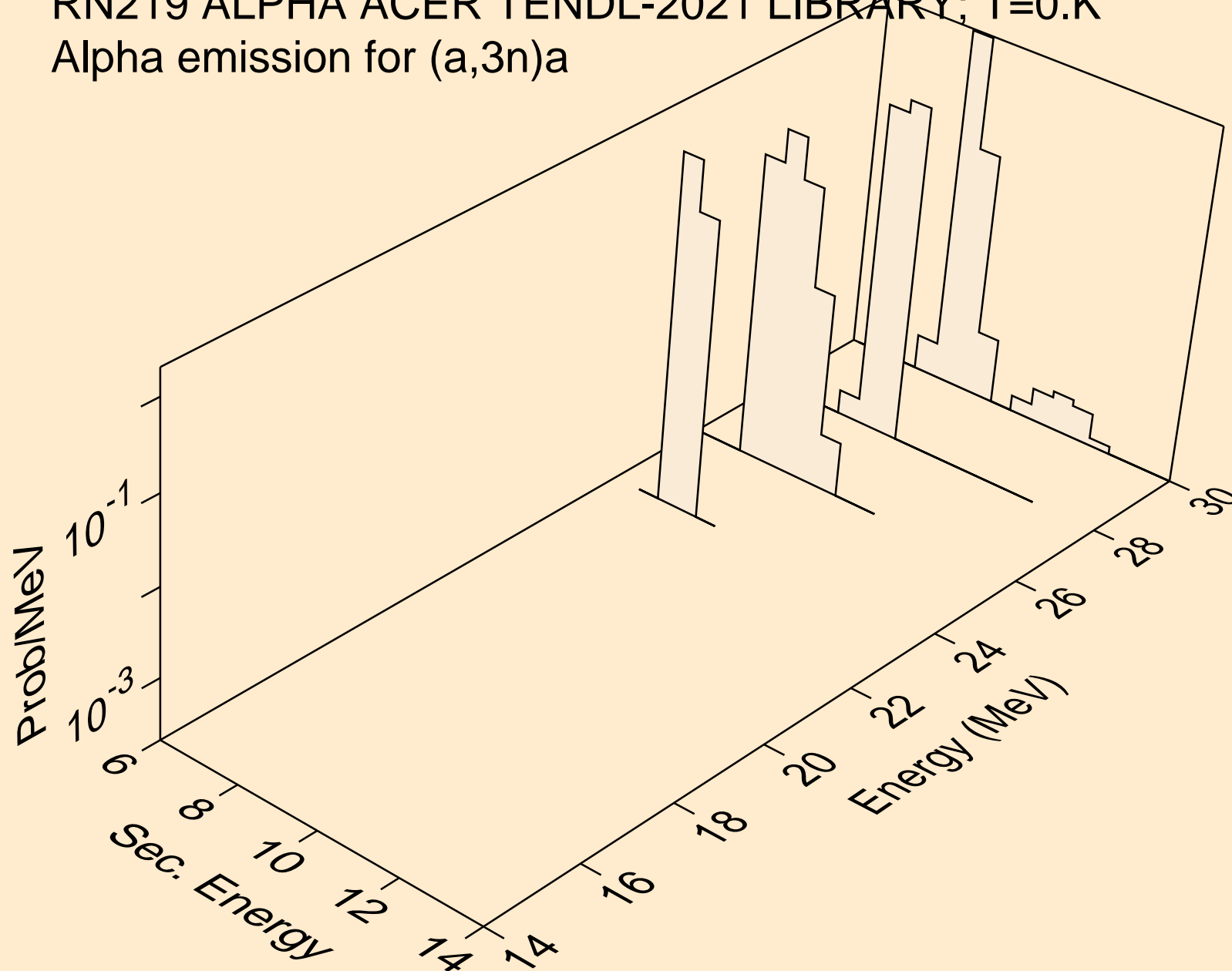
RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Alpha emission for (a,2n)a



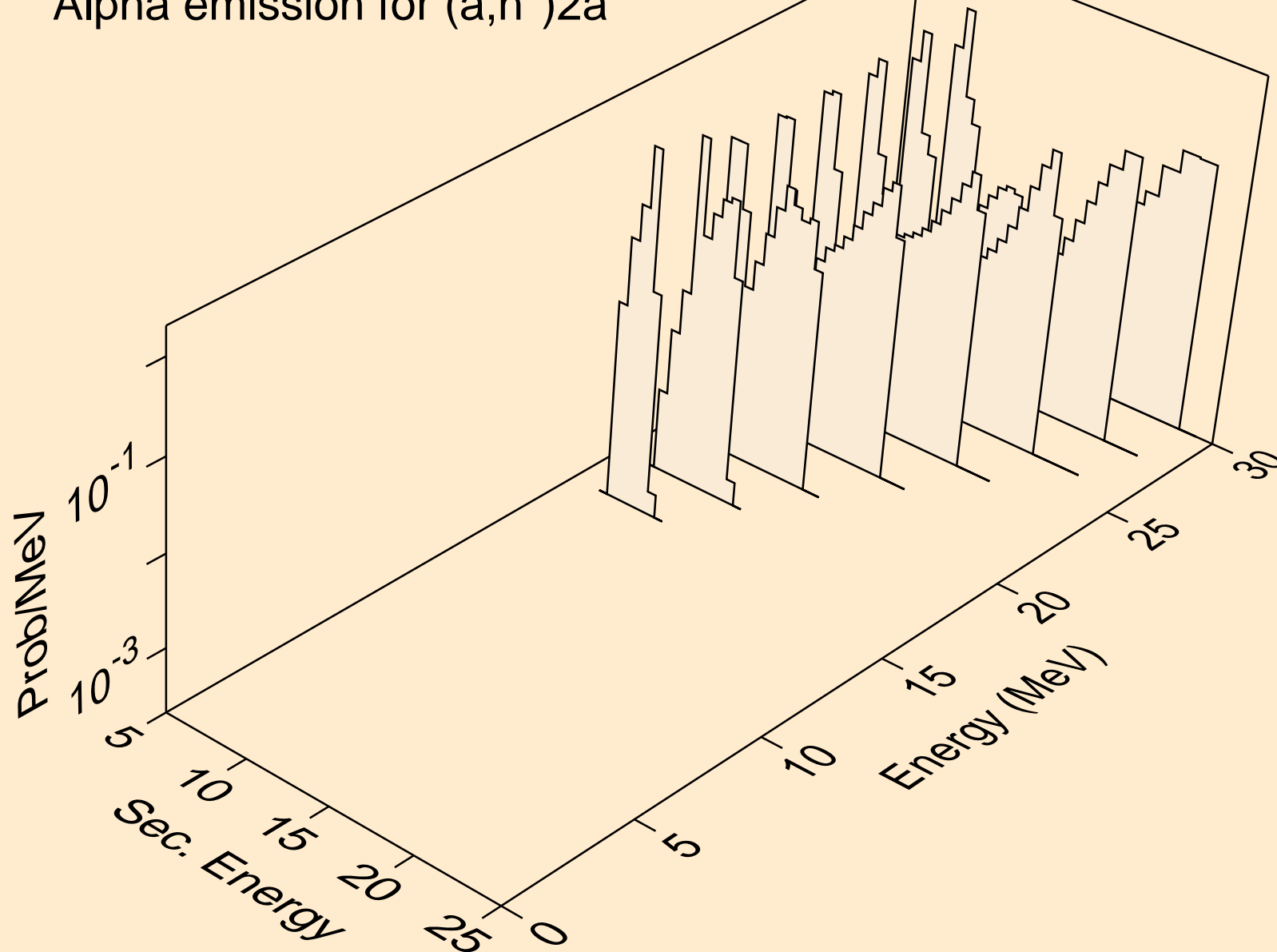
RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Alpha emission for (a,3n)a



RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

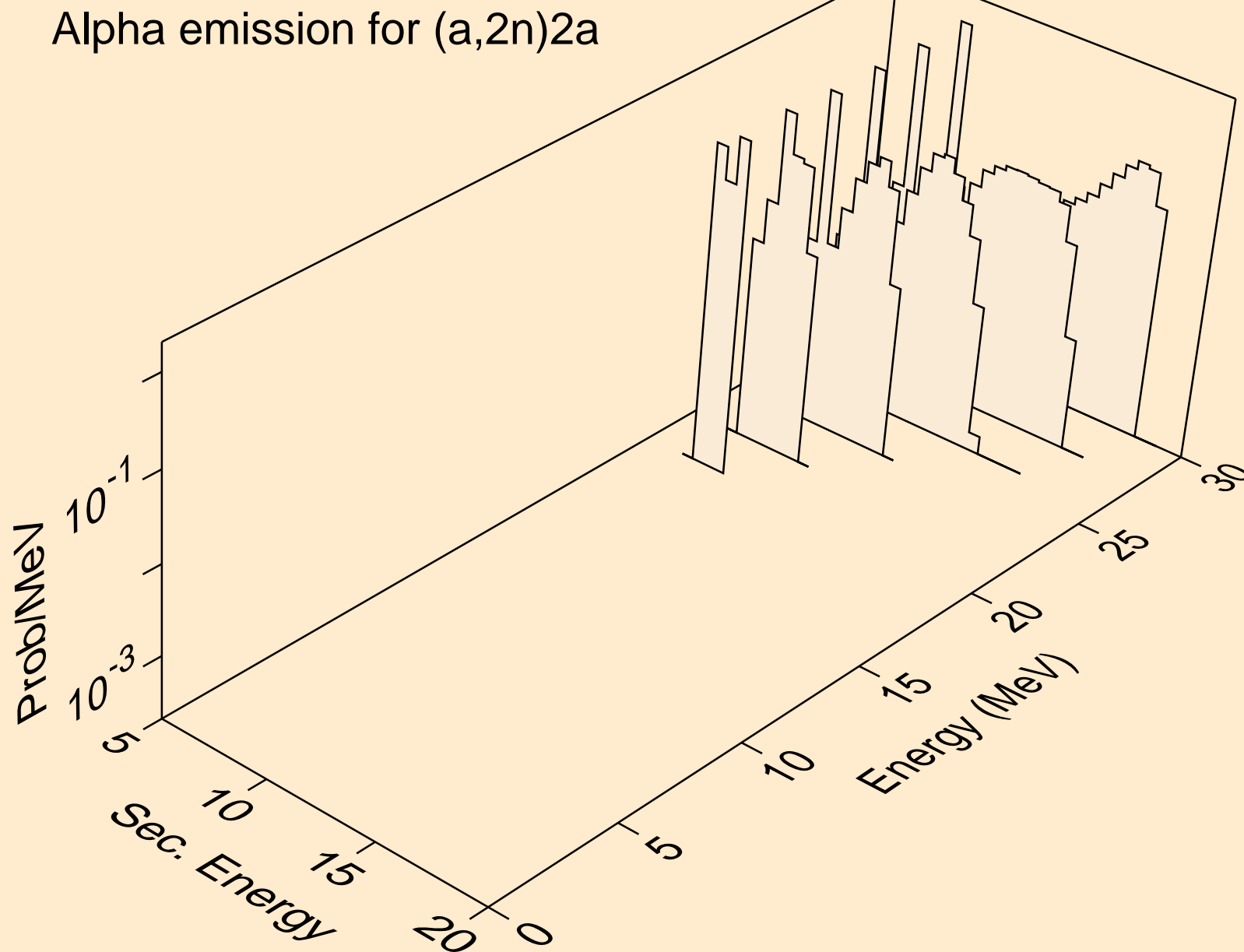
Alpha emission for (a,n\*)2a





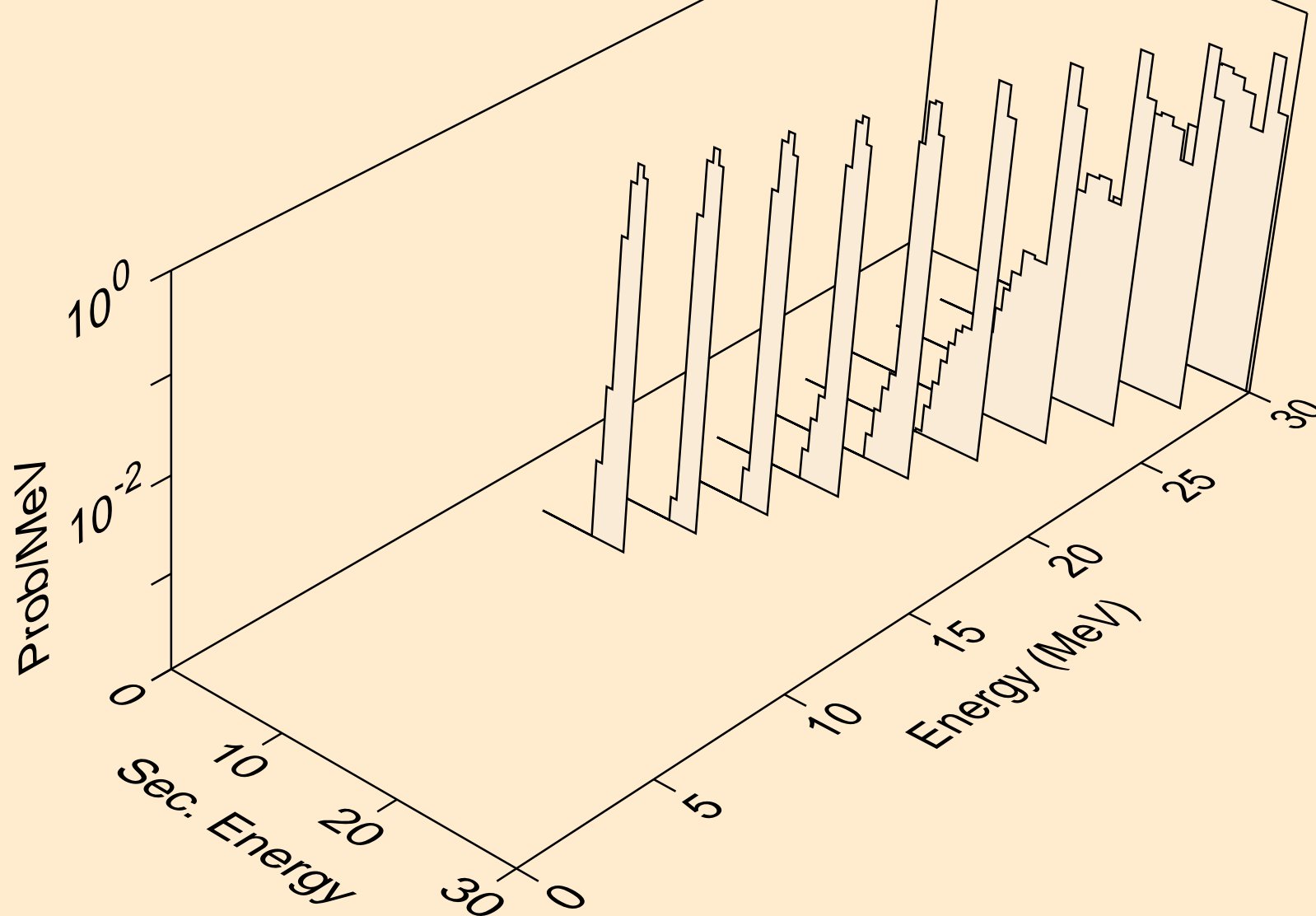
RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Alpha emission for (a,2n)2a



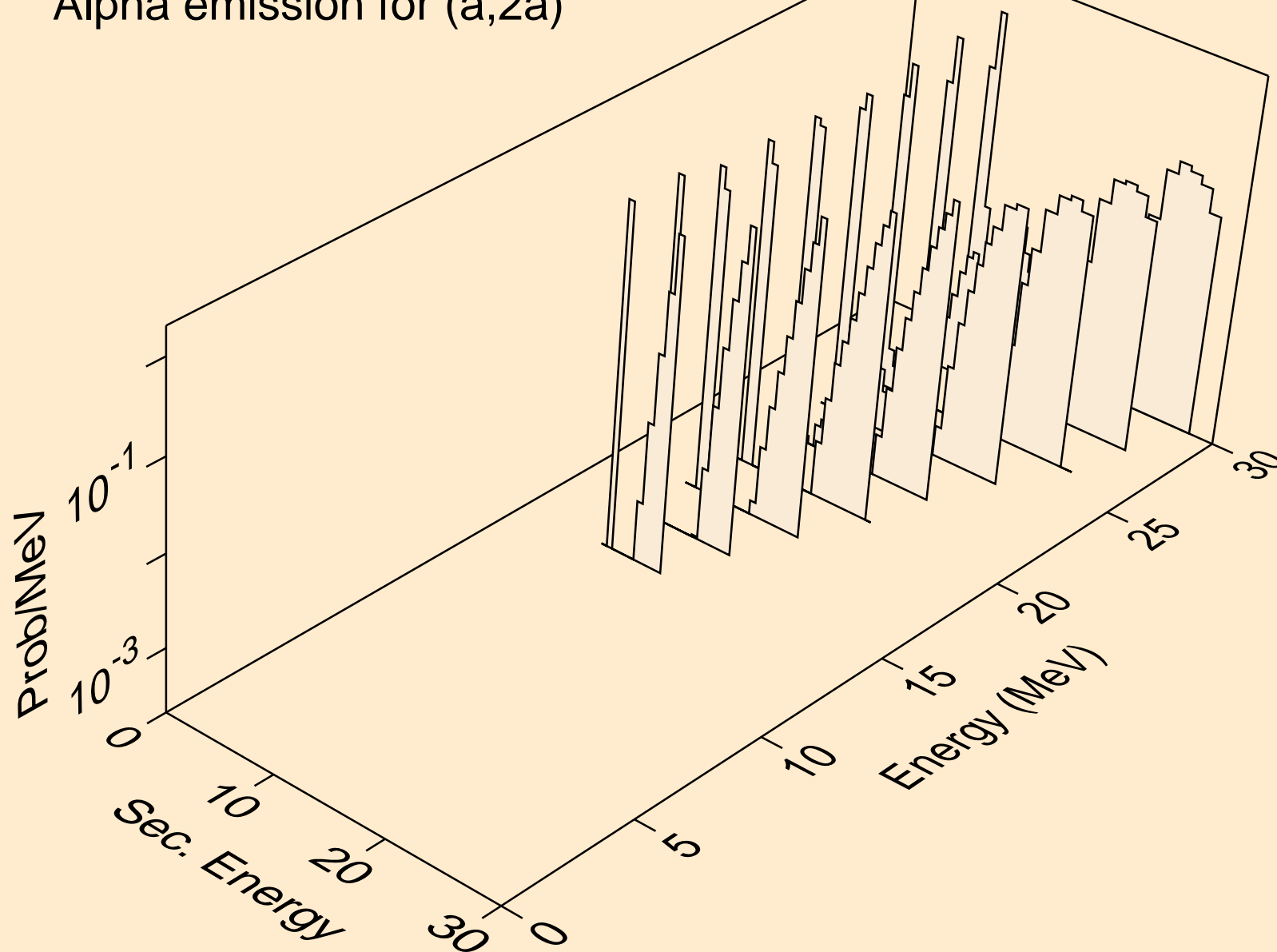
RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Alpha emission for inelastic

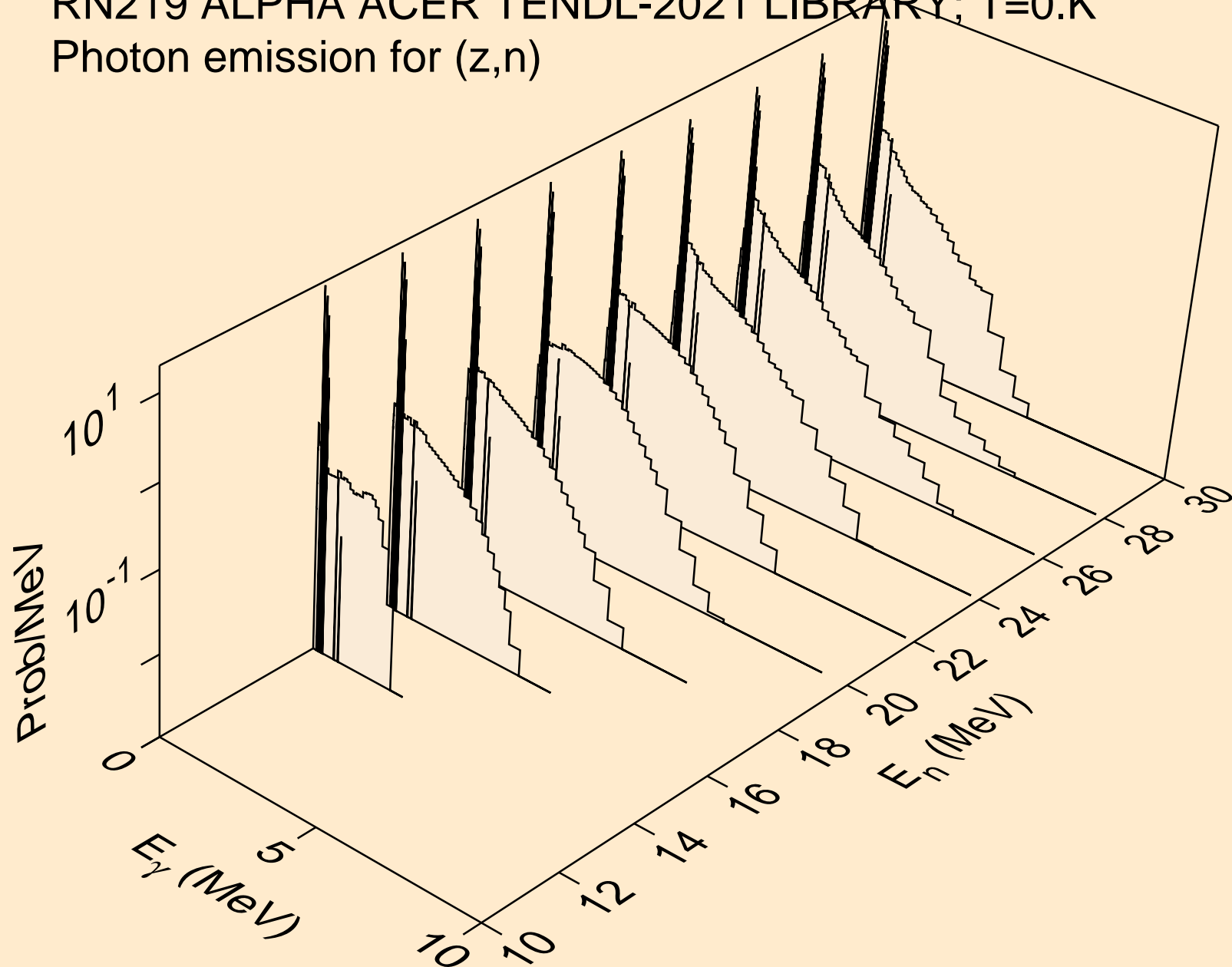


RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Alpha emission for (a,2a)

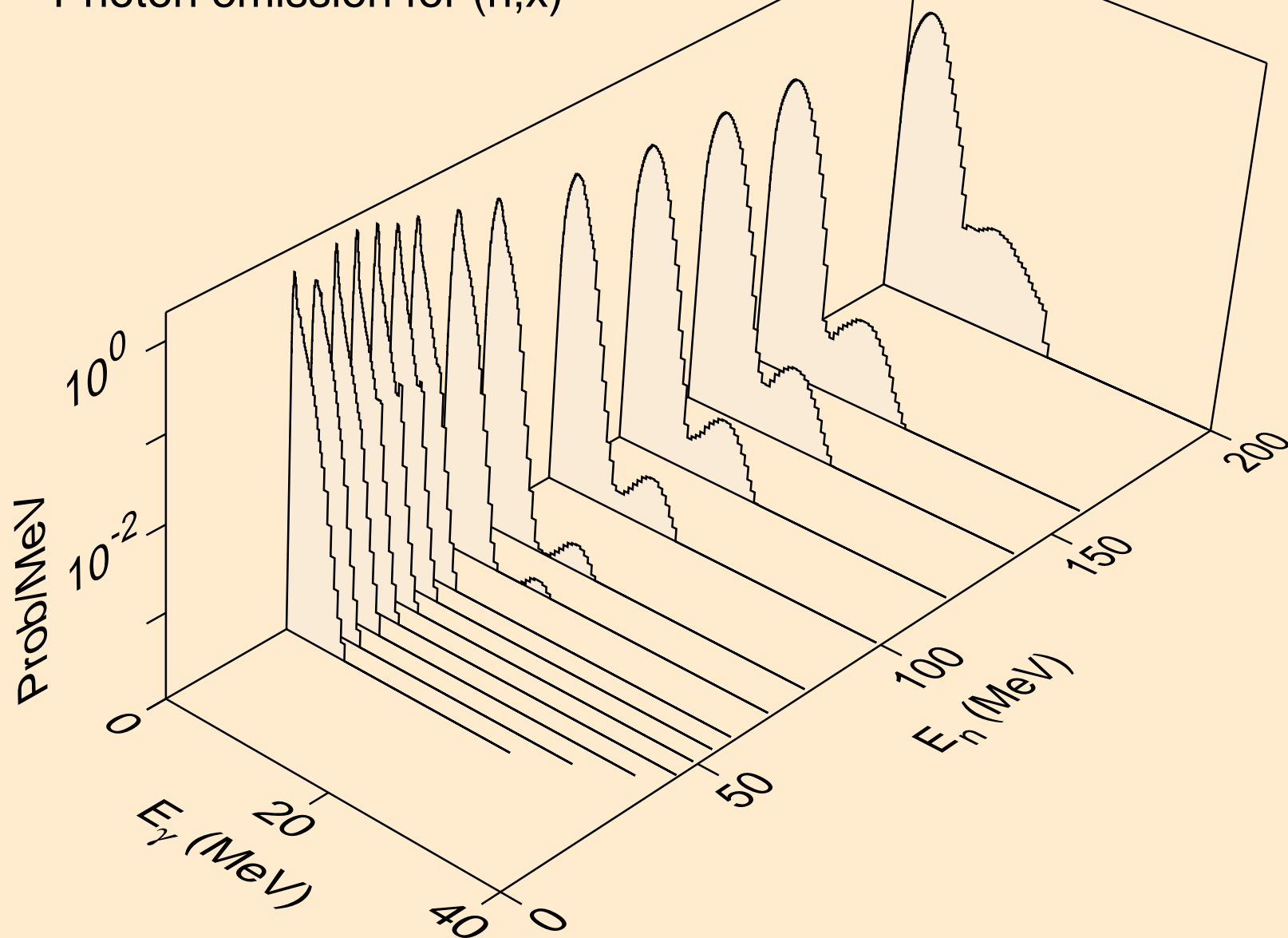


RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)

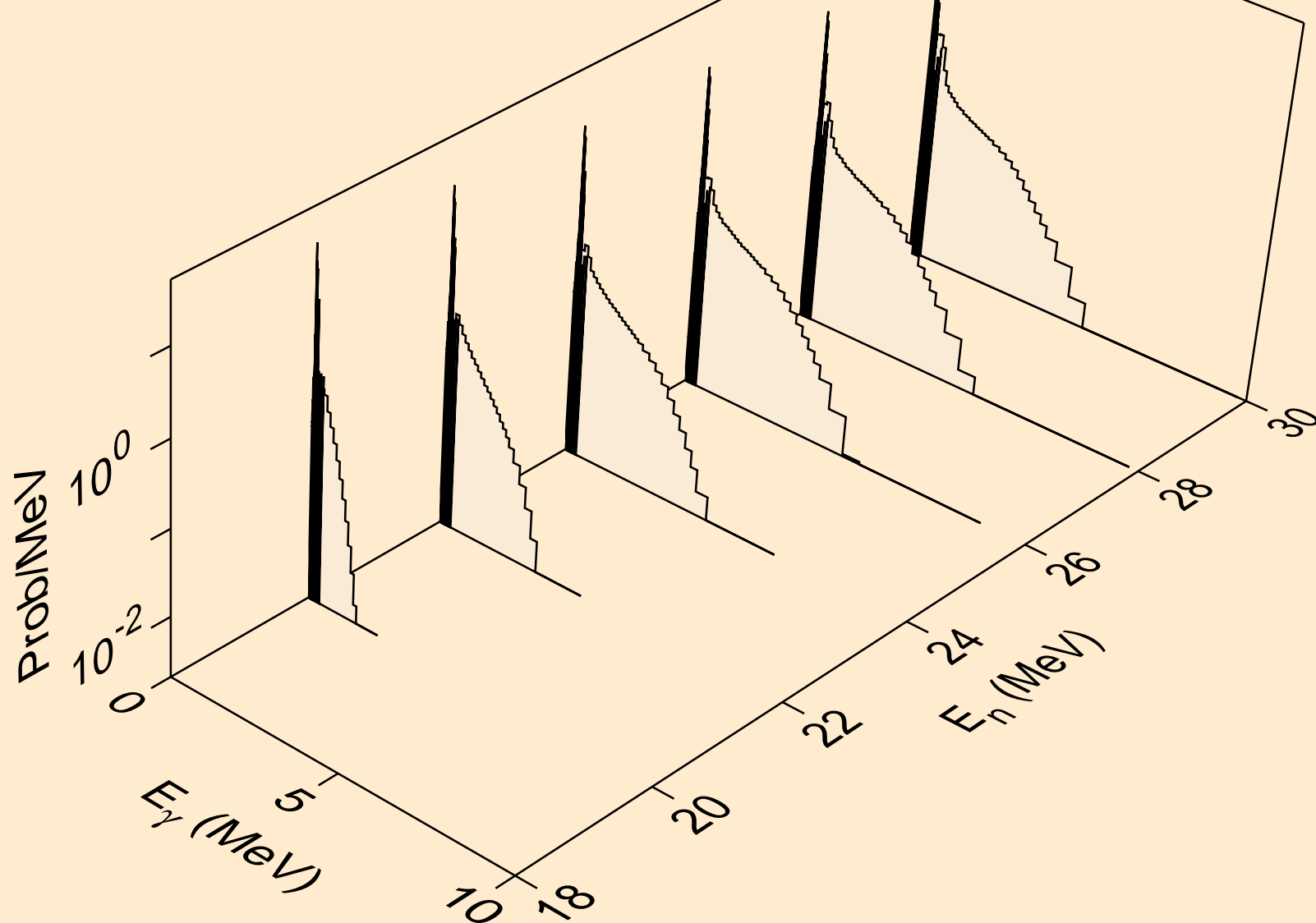


RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

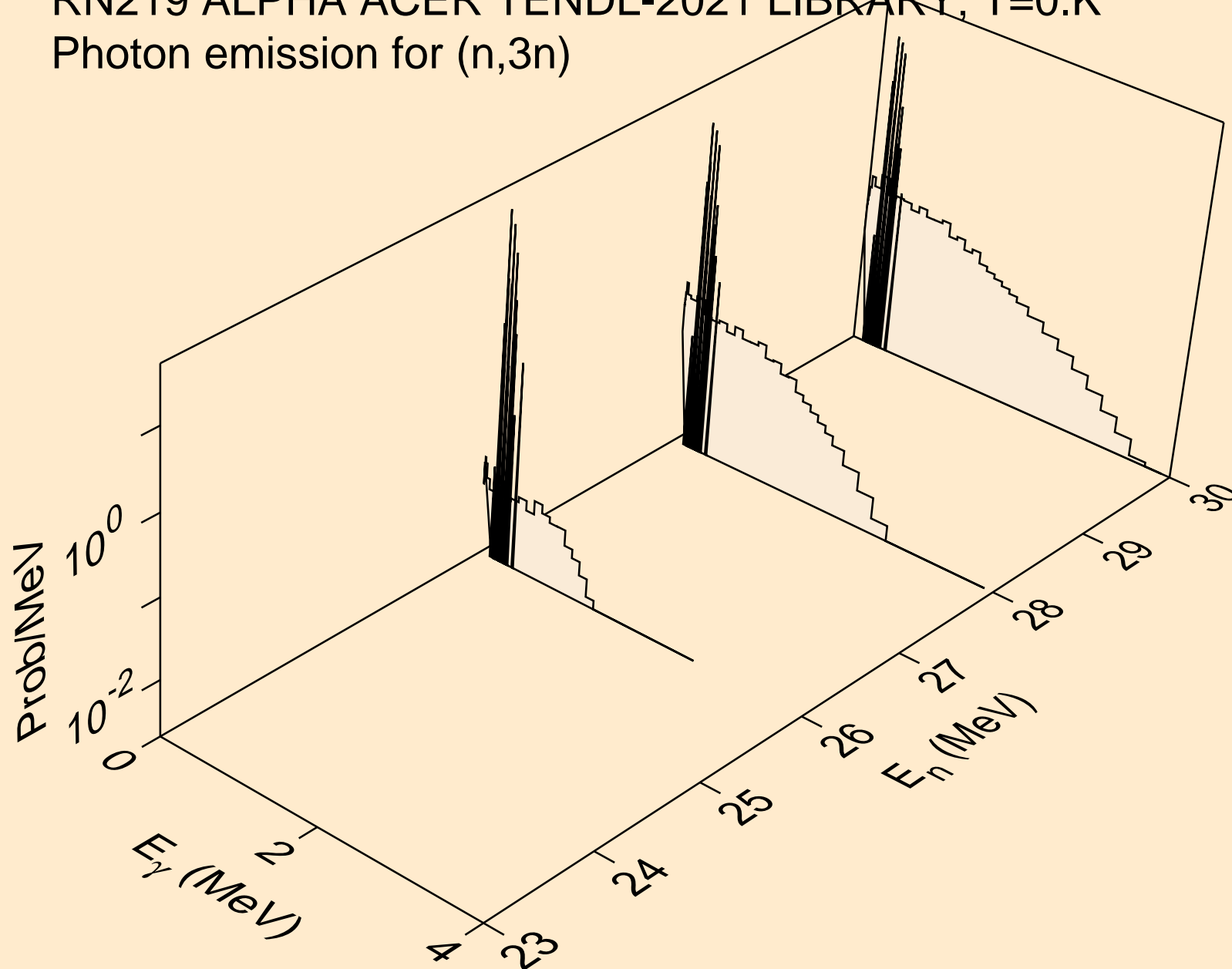
Photon emission for (n,x)



RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)

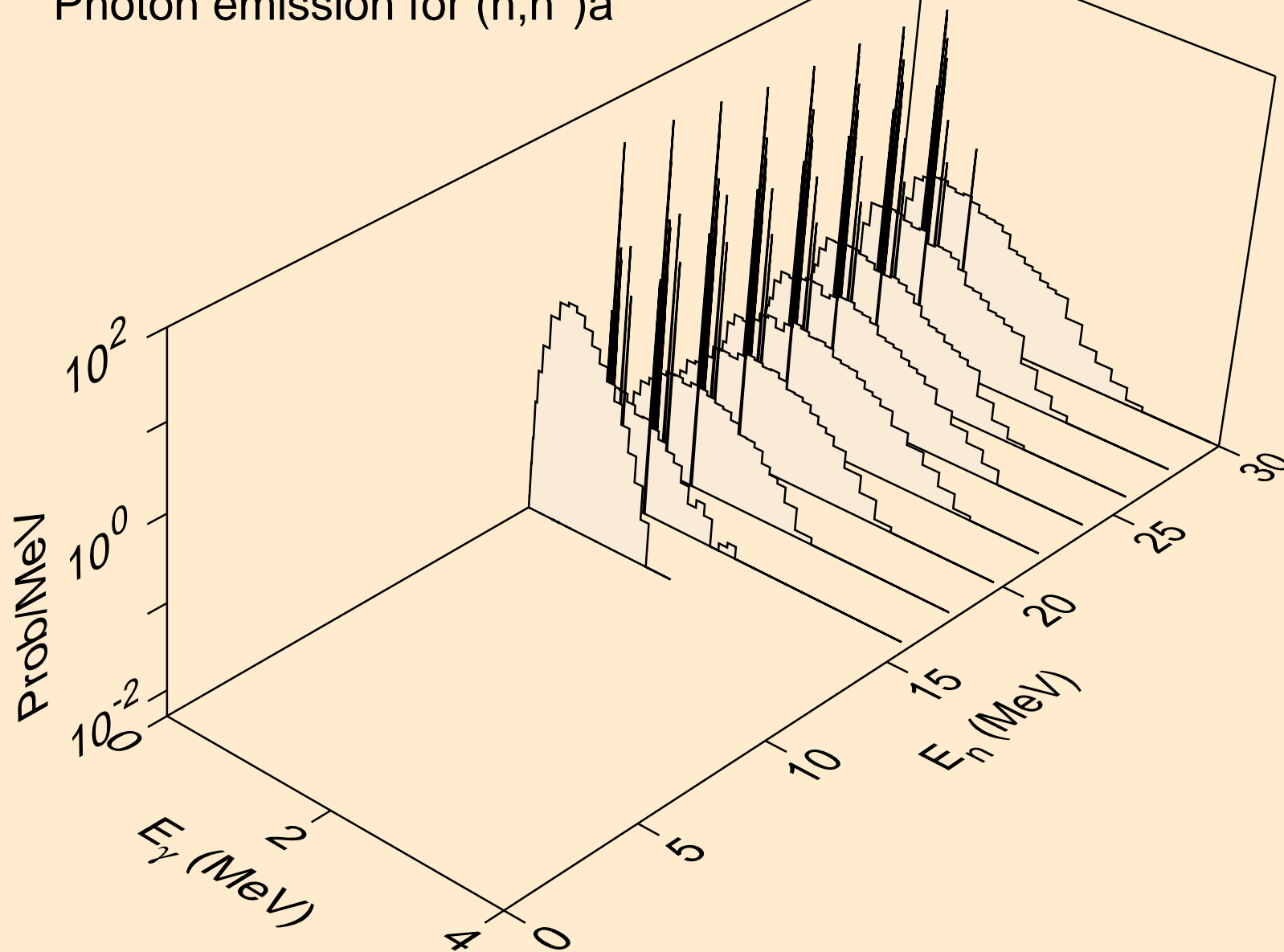


RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)



RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

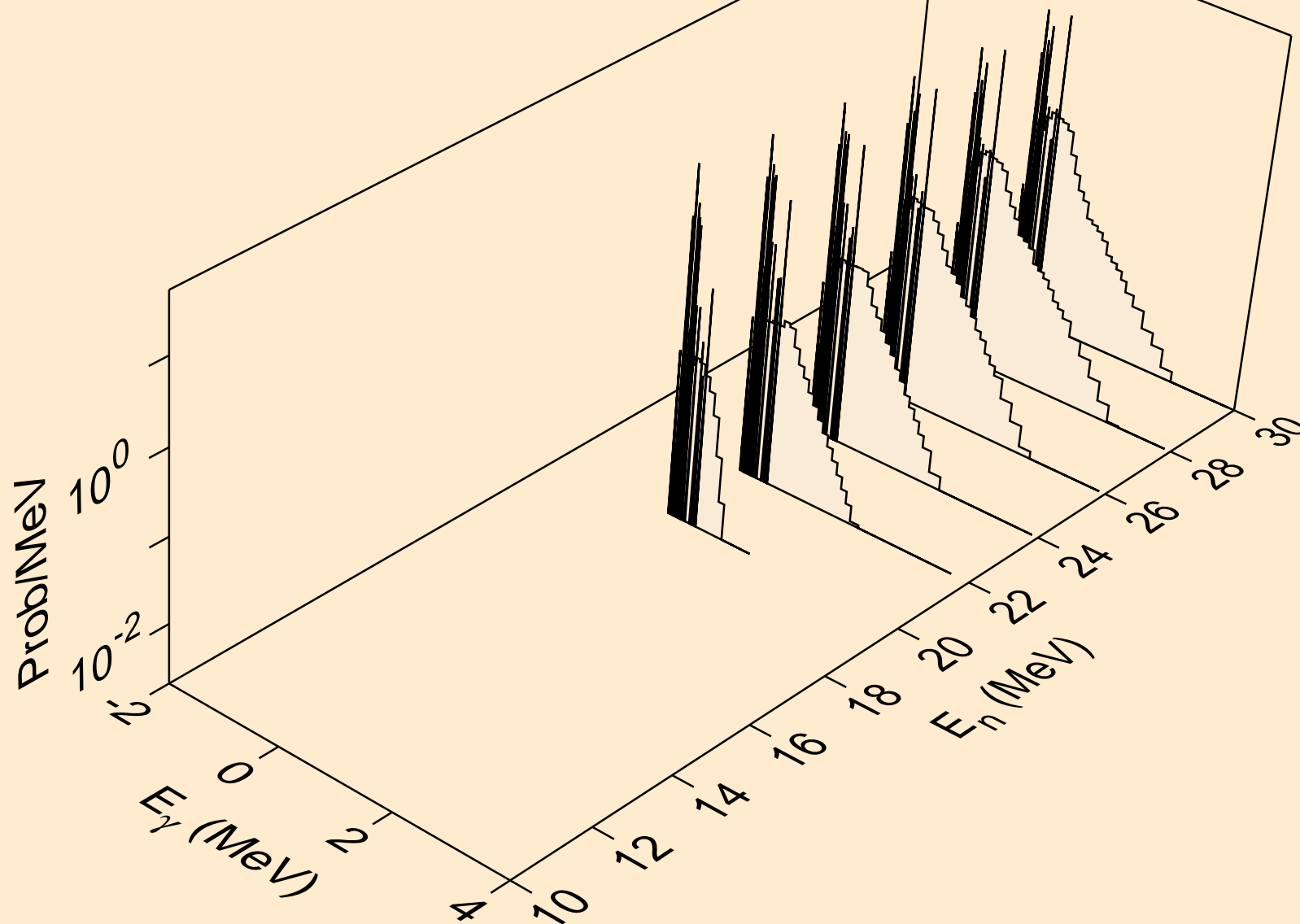
Photon emission for (n,n\*)a





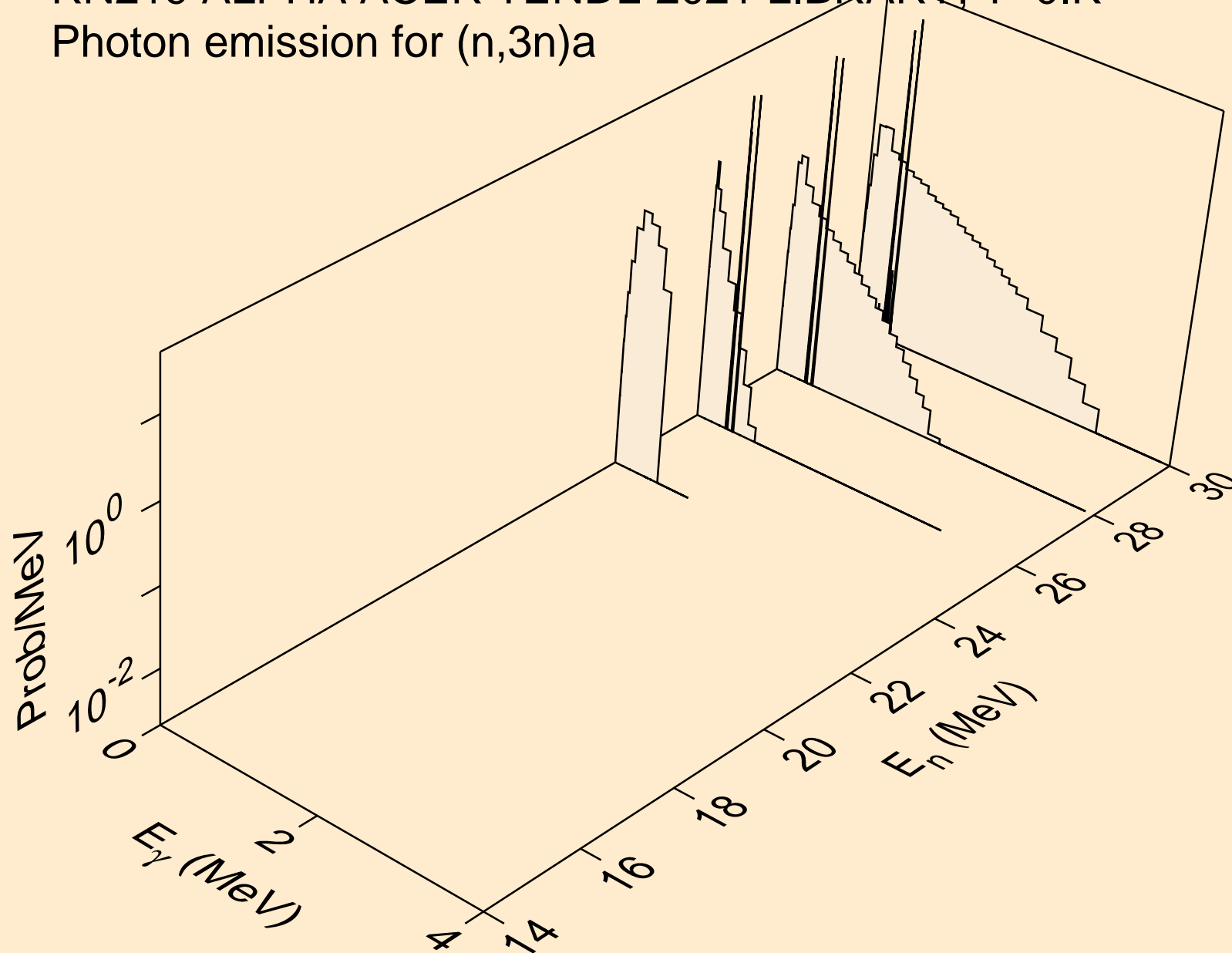
RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

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



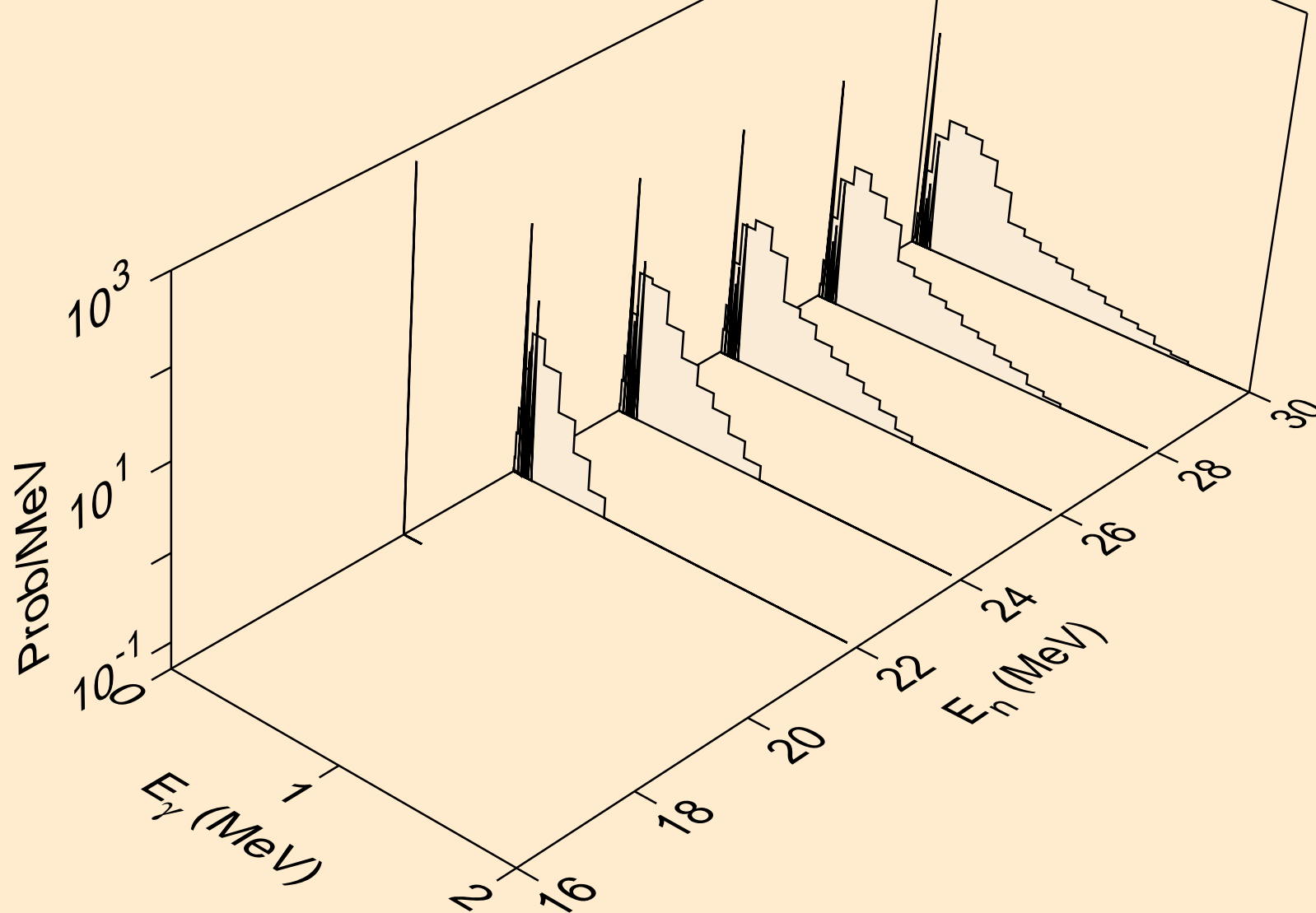
RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

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



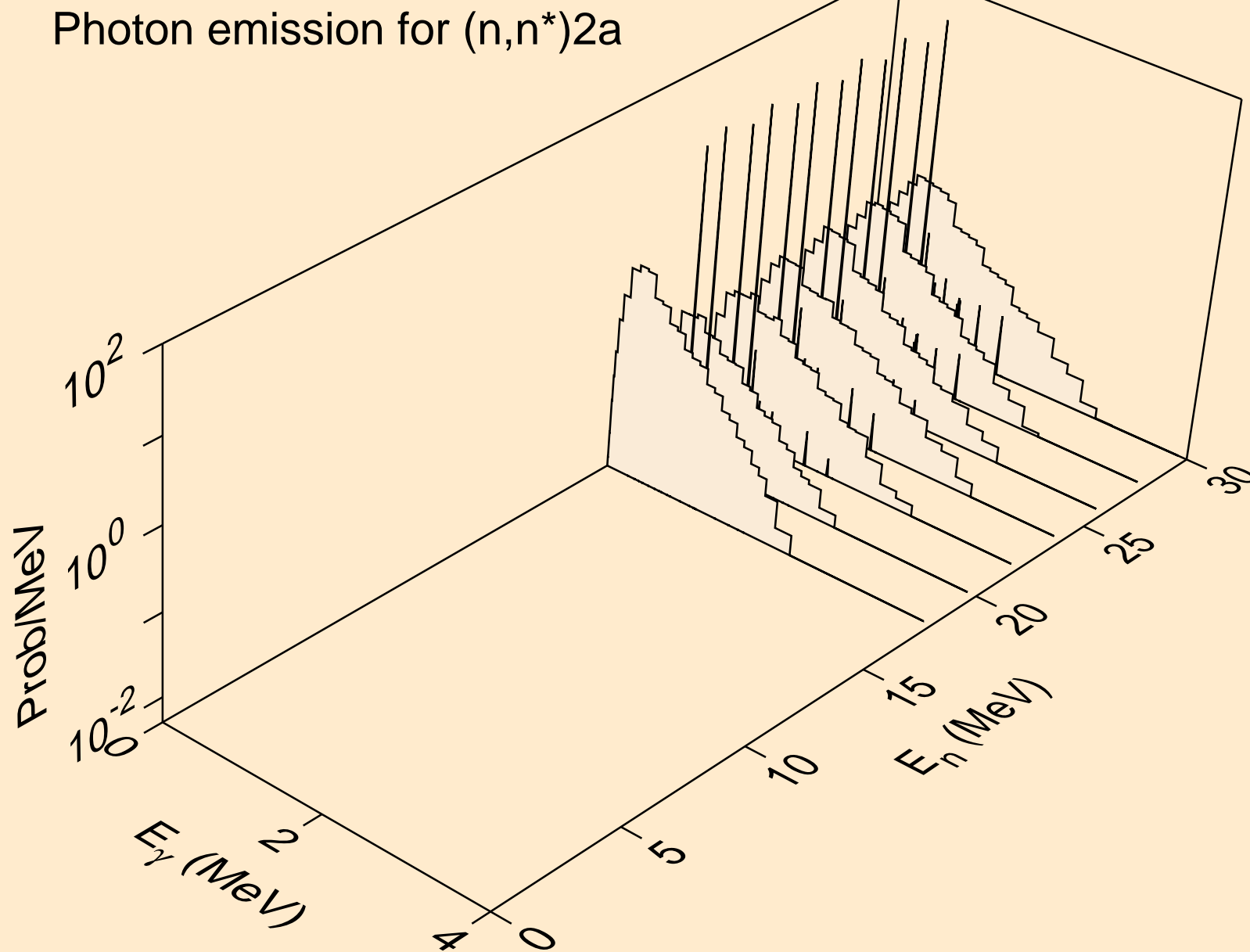
RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,n\*)p



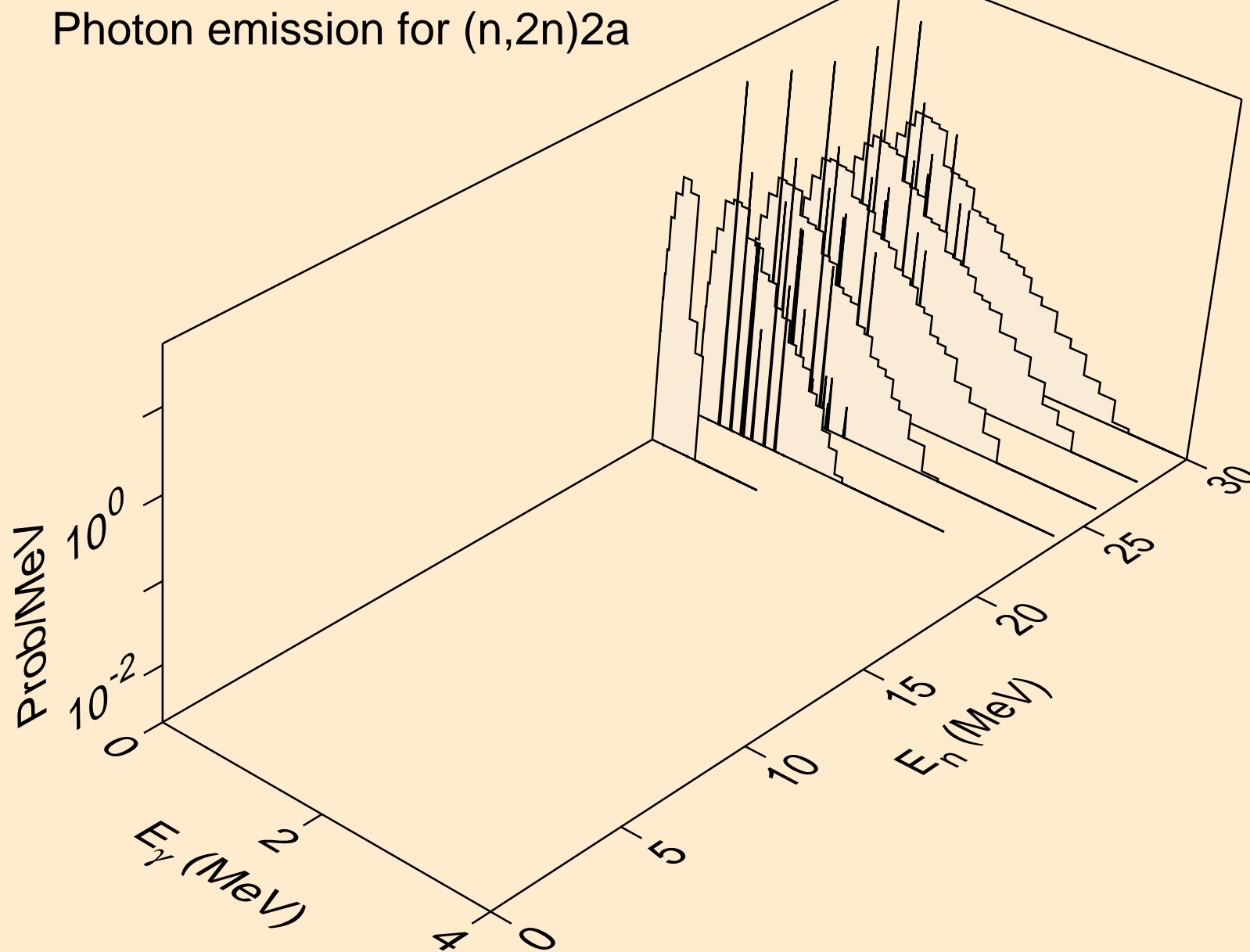
RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,n\*)2a



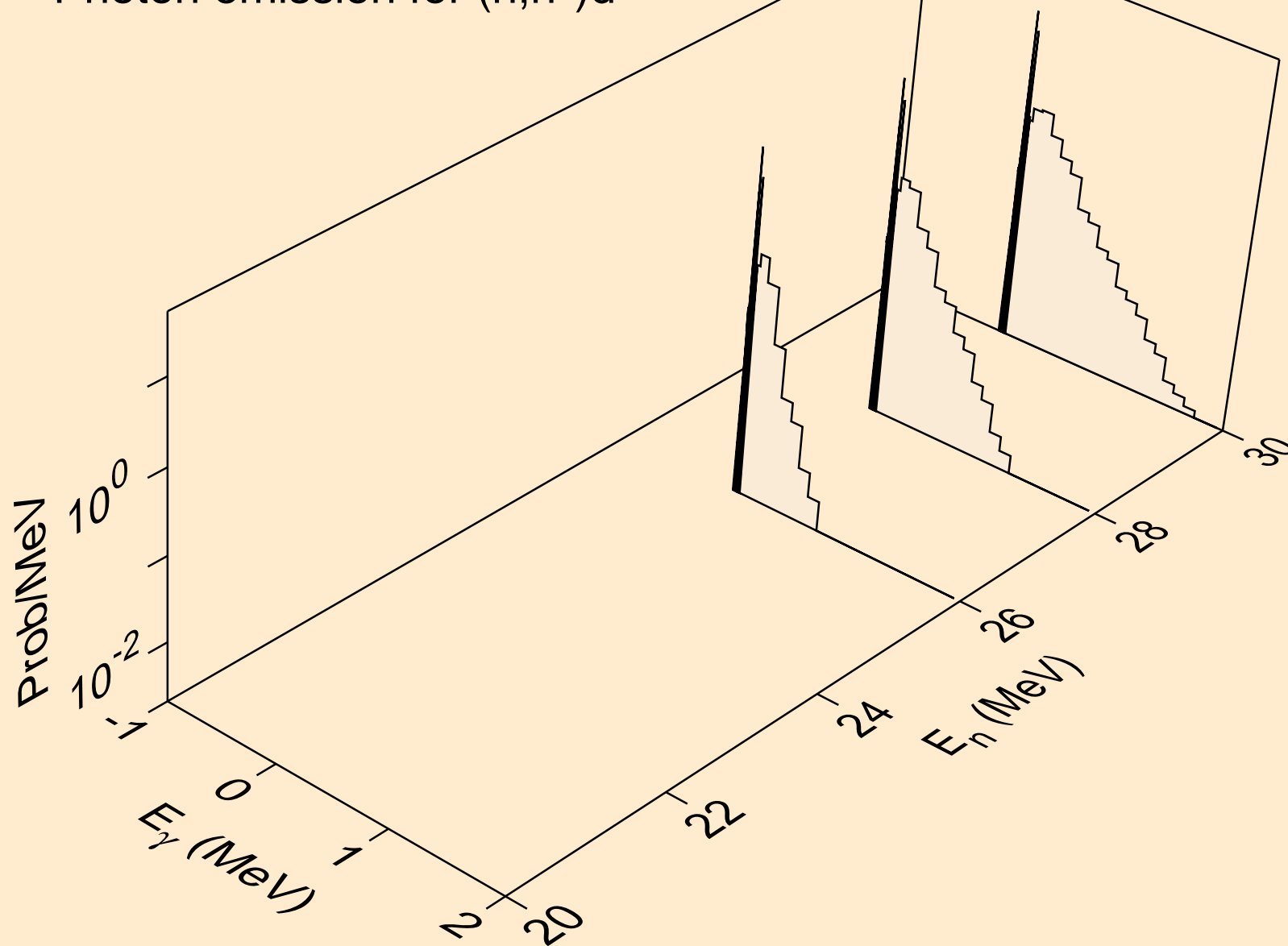
RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,2n)2a



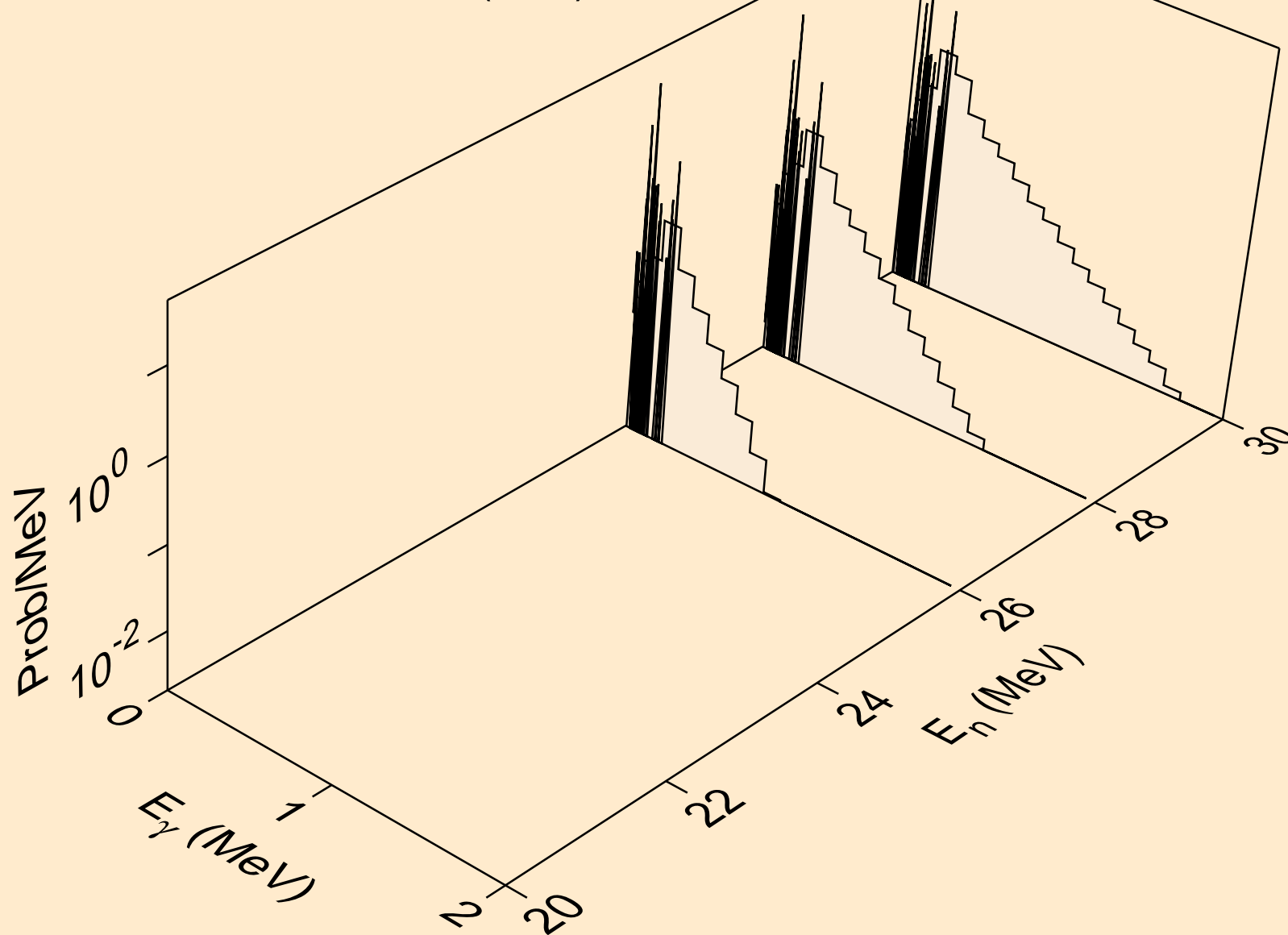
RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,n\*)d

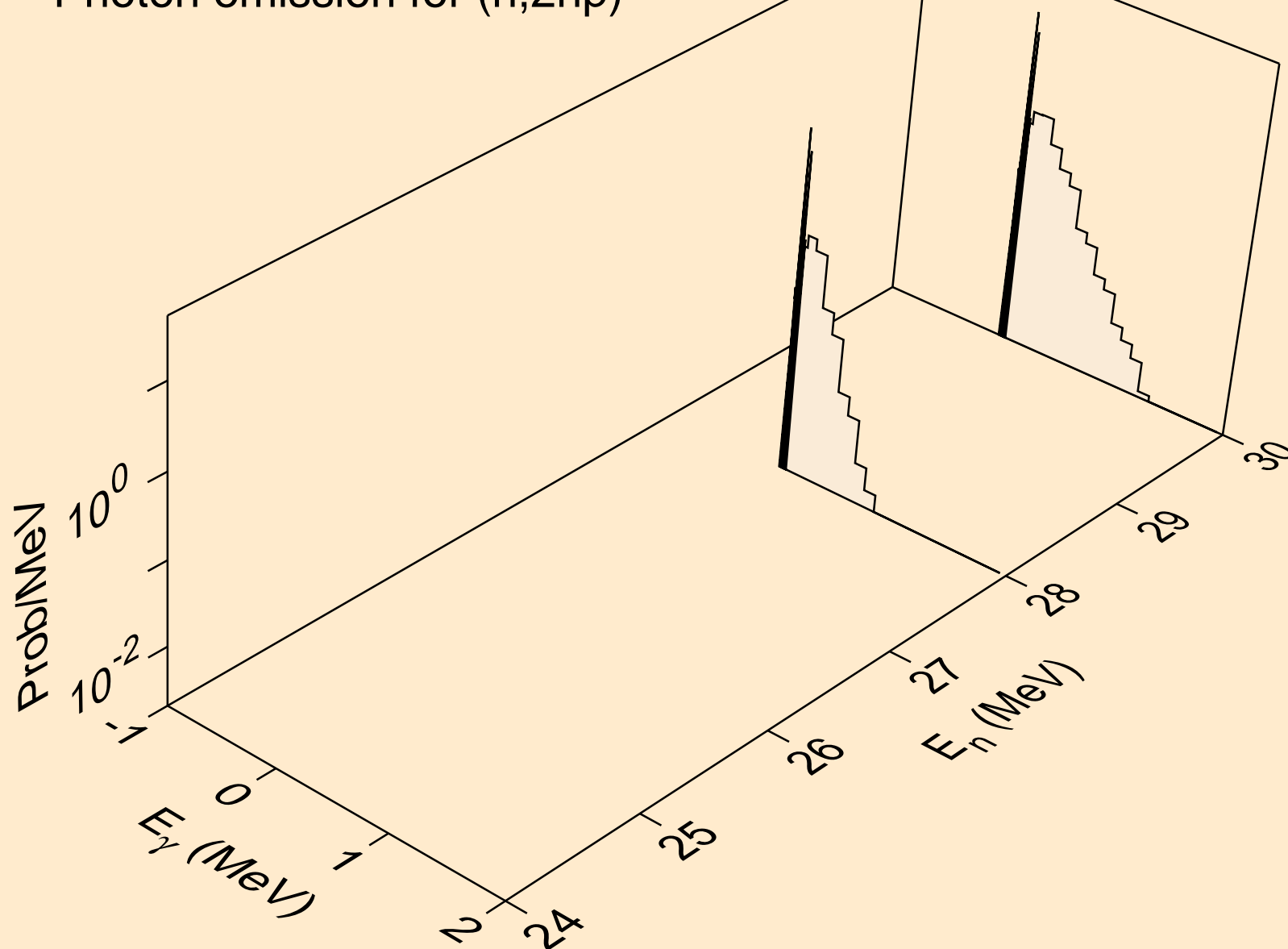


RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,n\*)t

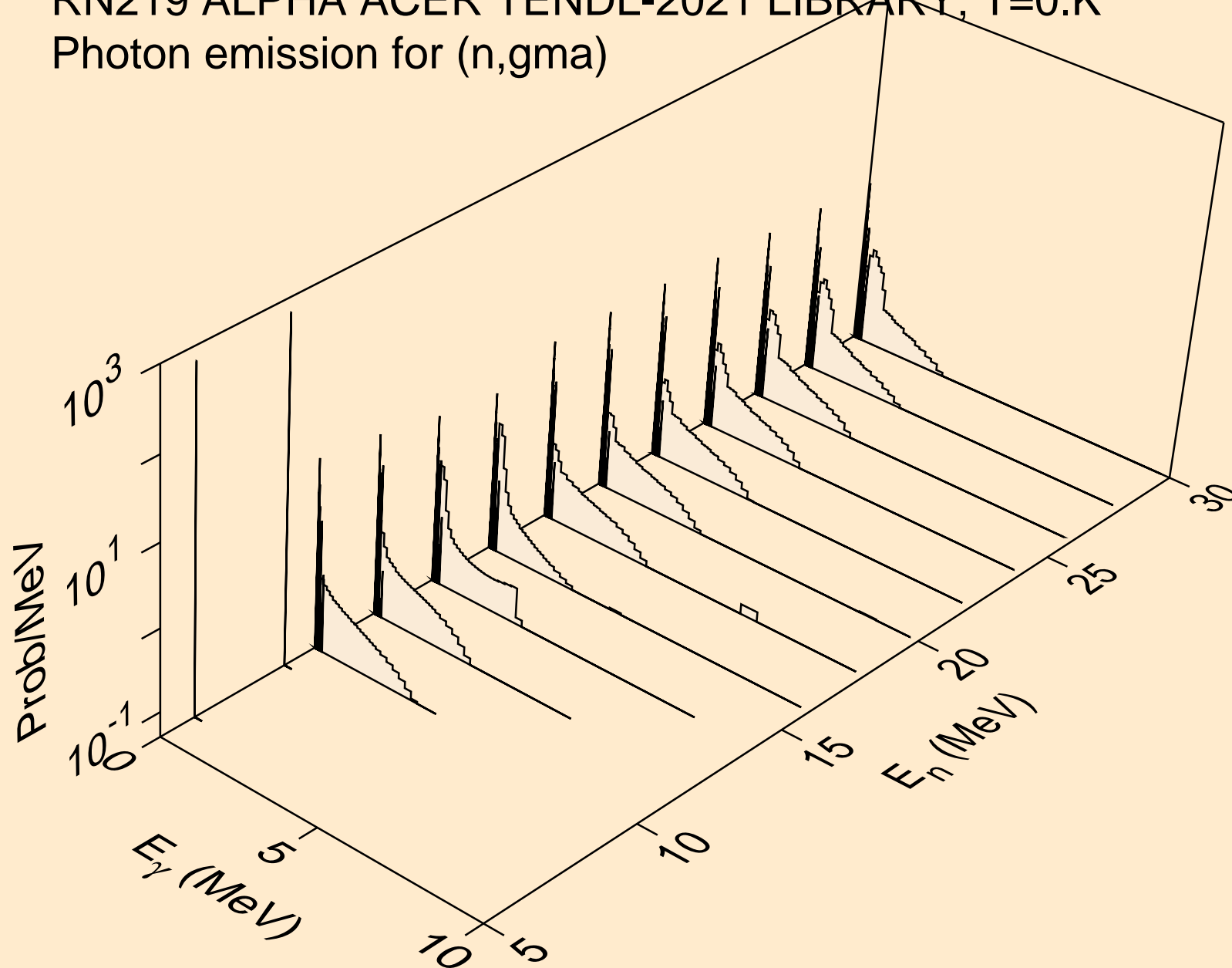


RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



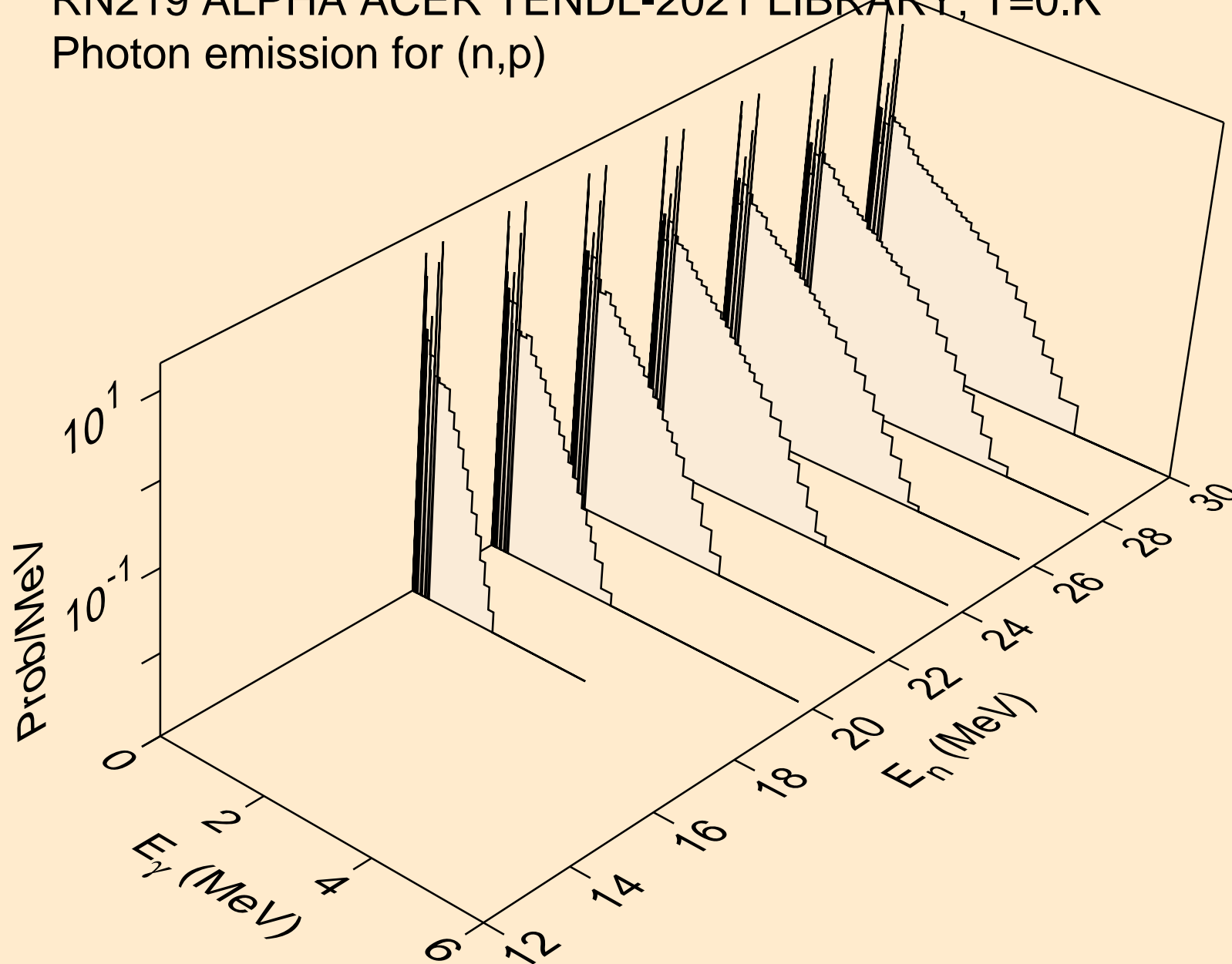


RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,gma)



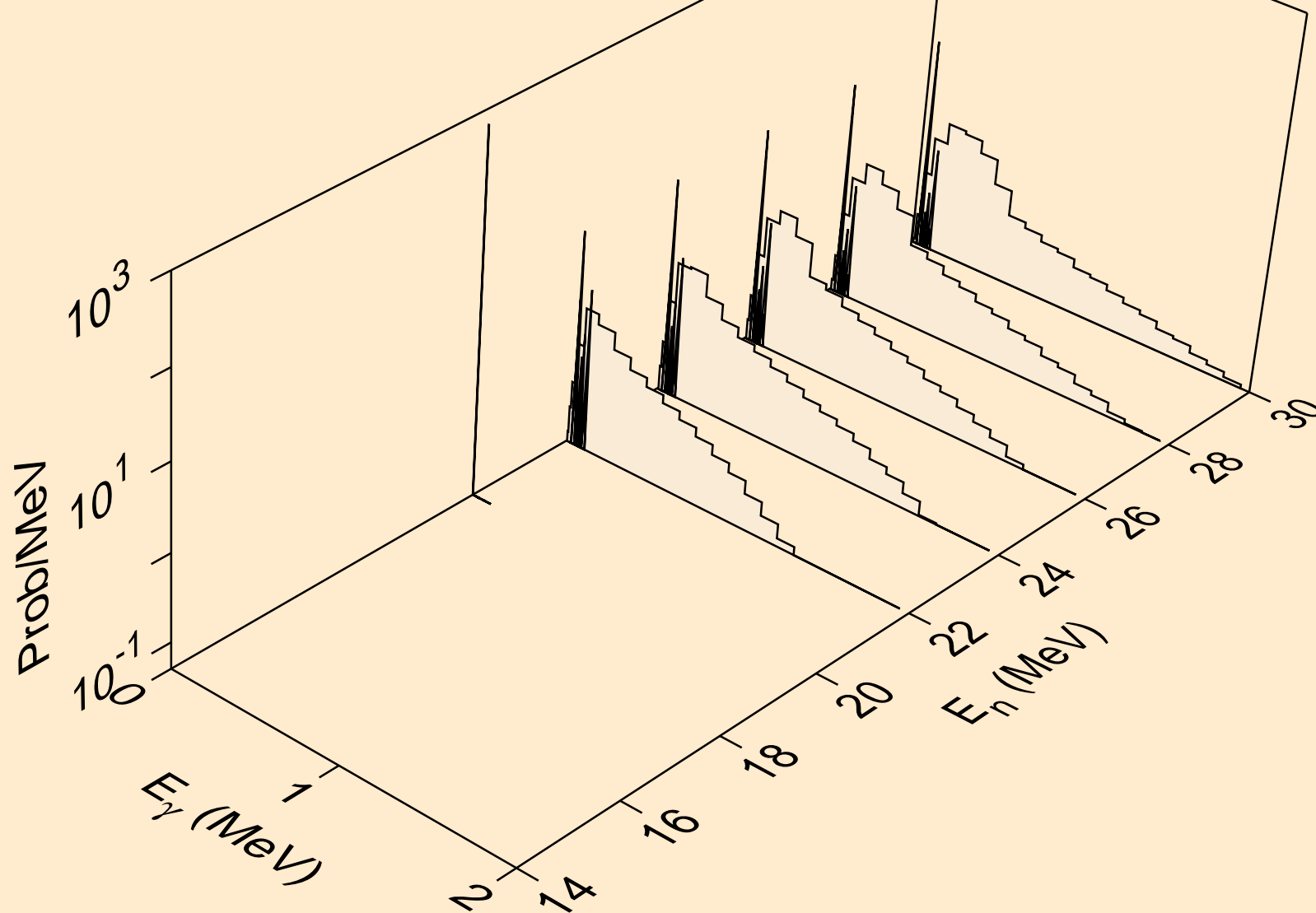
RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,p)



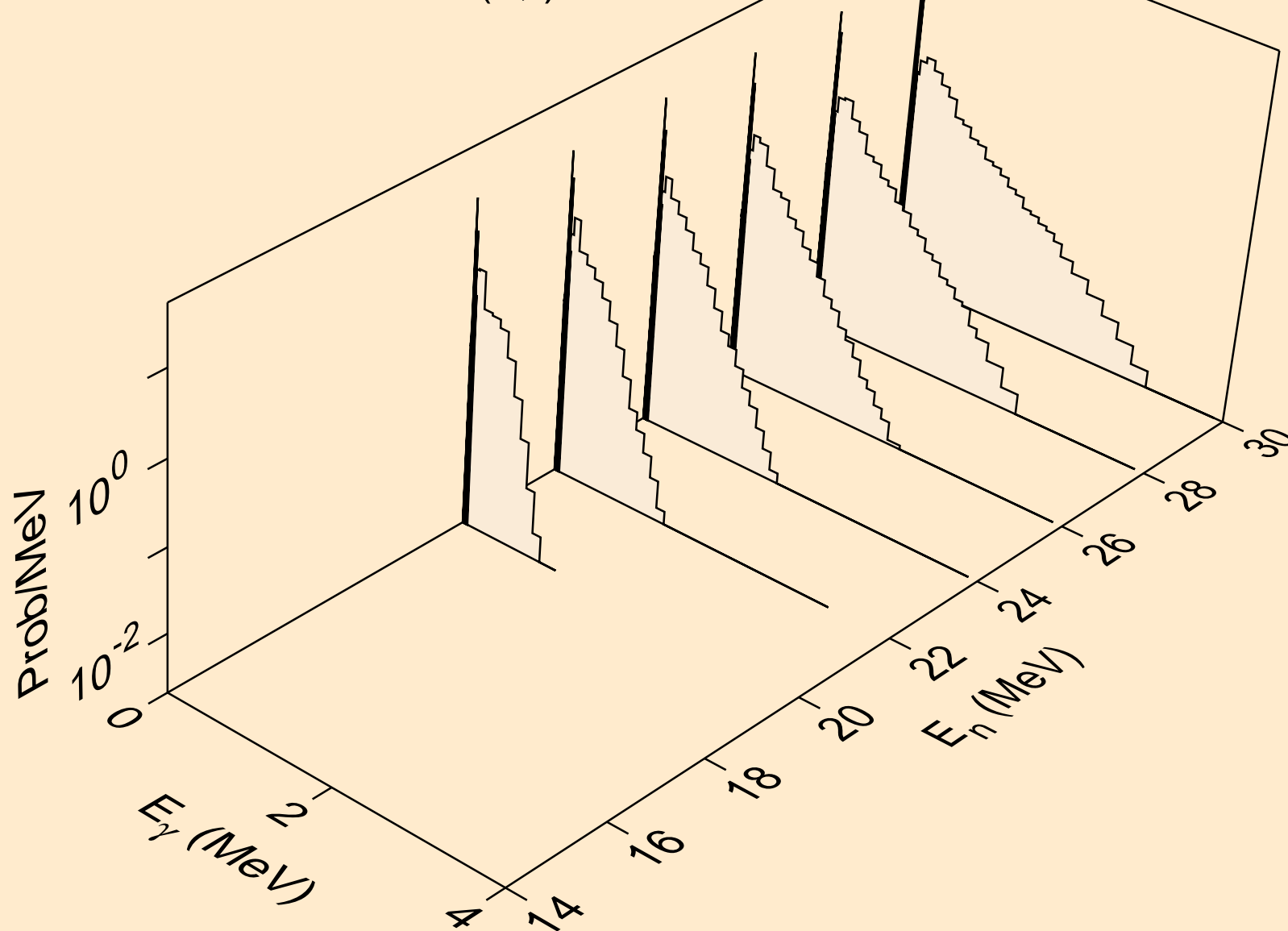
RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,d)

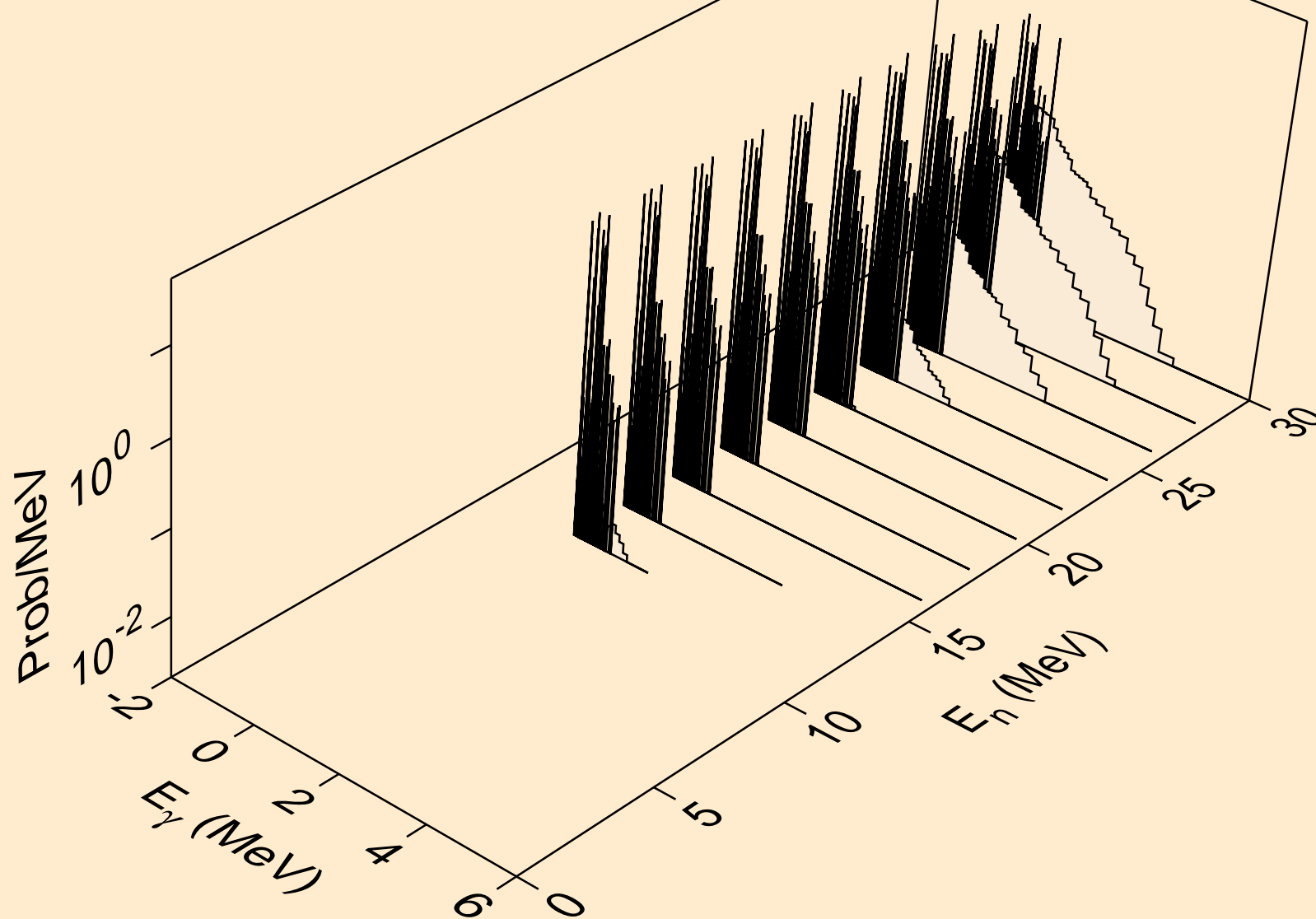


RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,t)

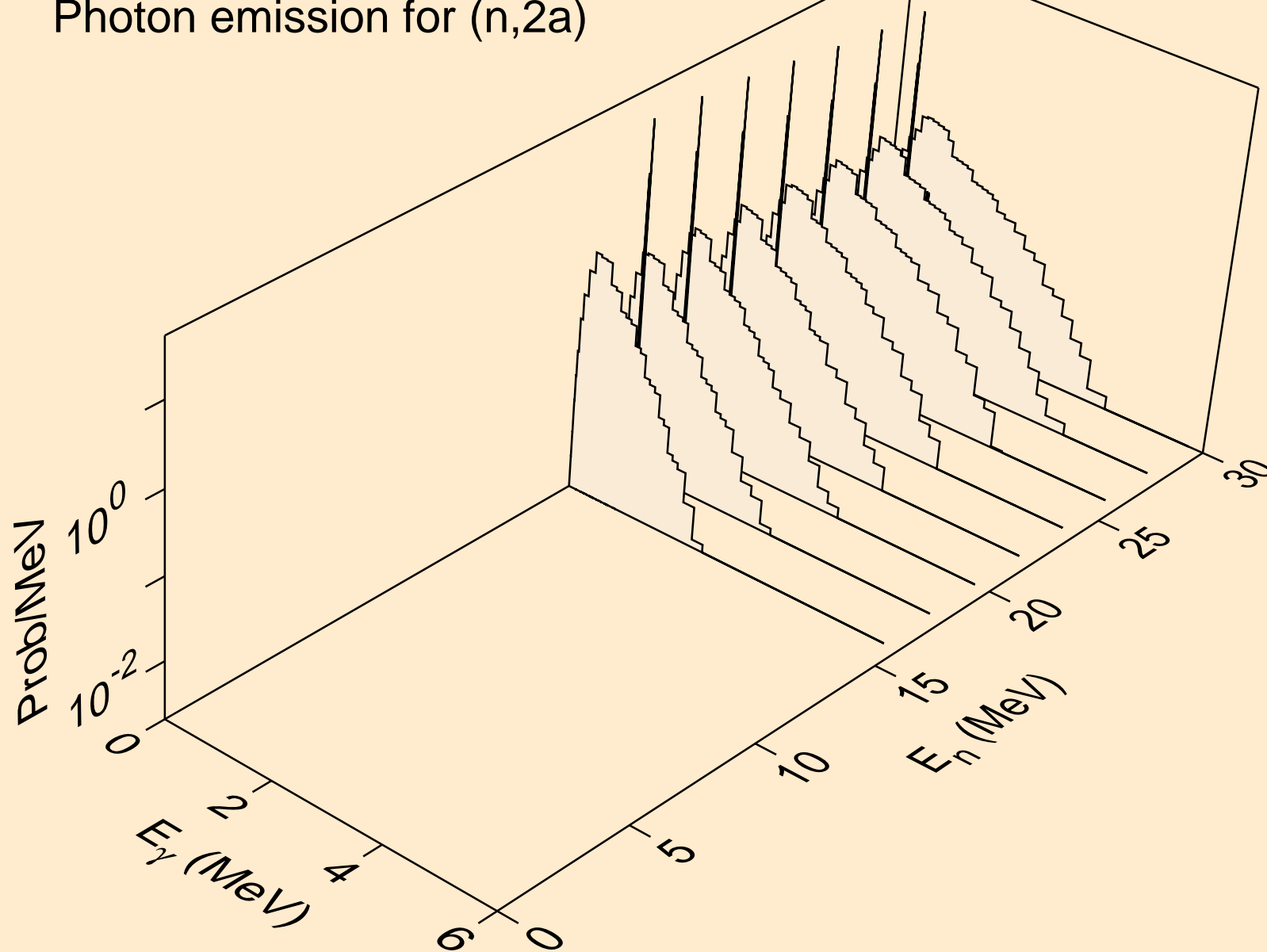


RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic



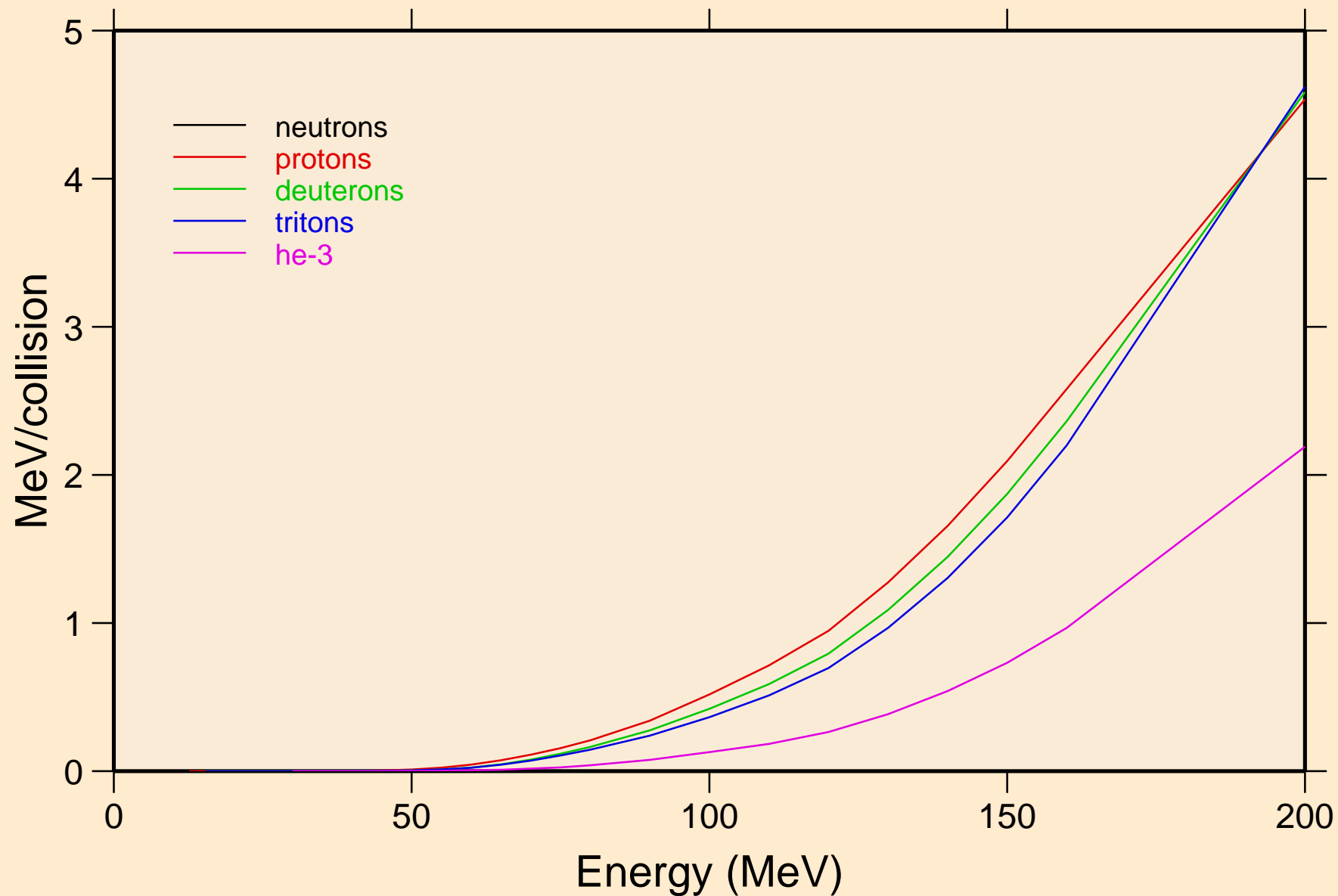
RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,2a)



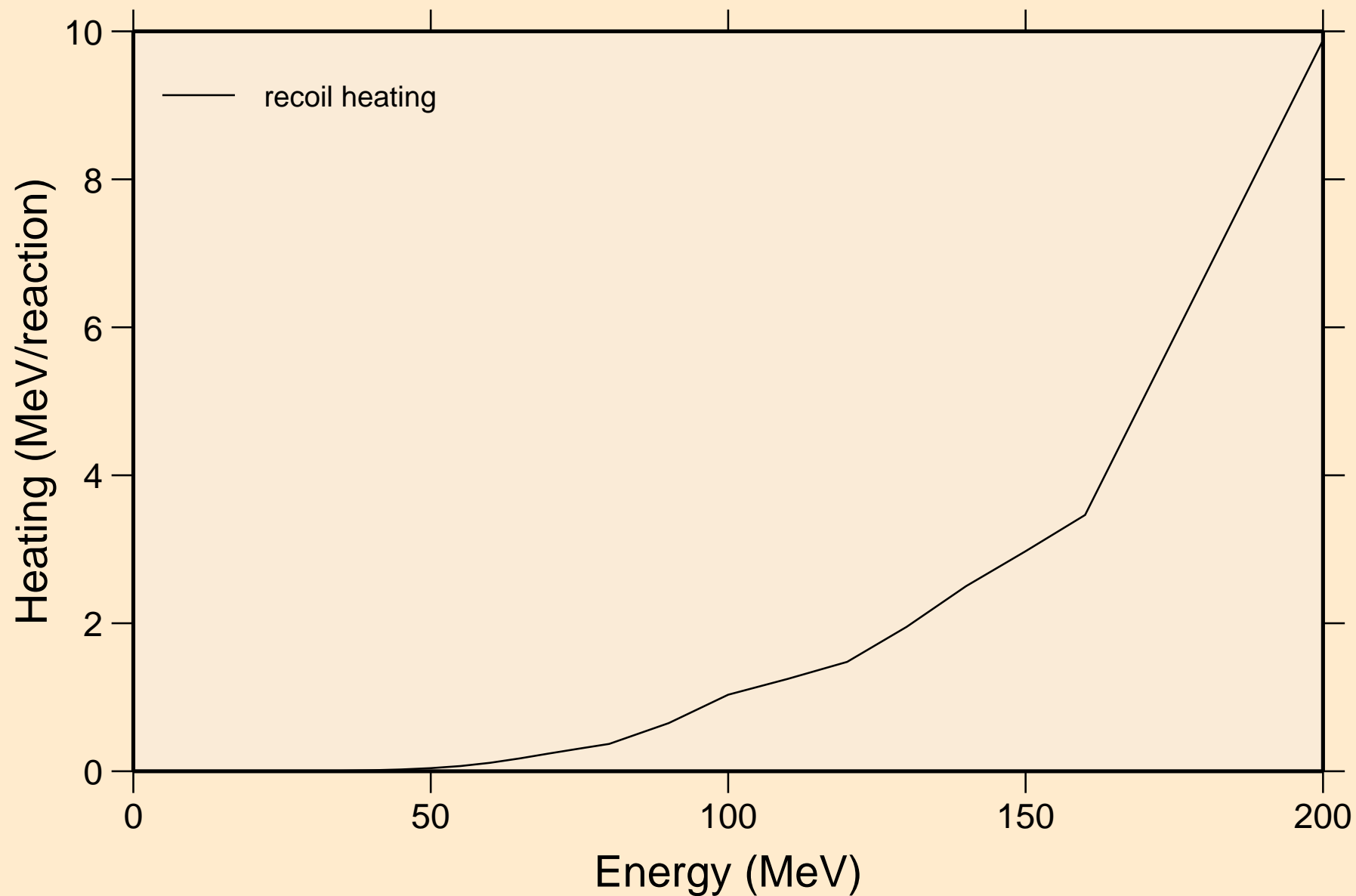
# RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Particle heating contributions



RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

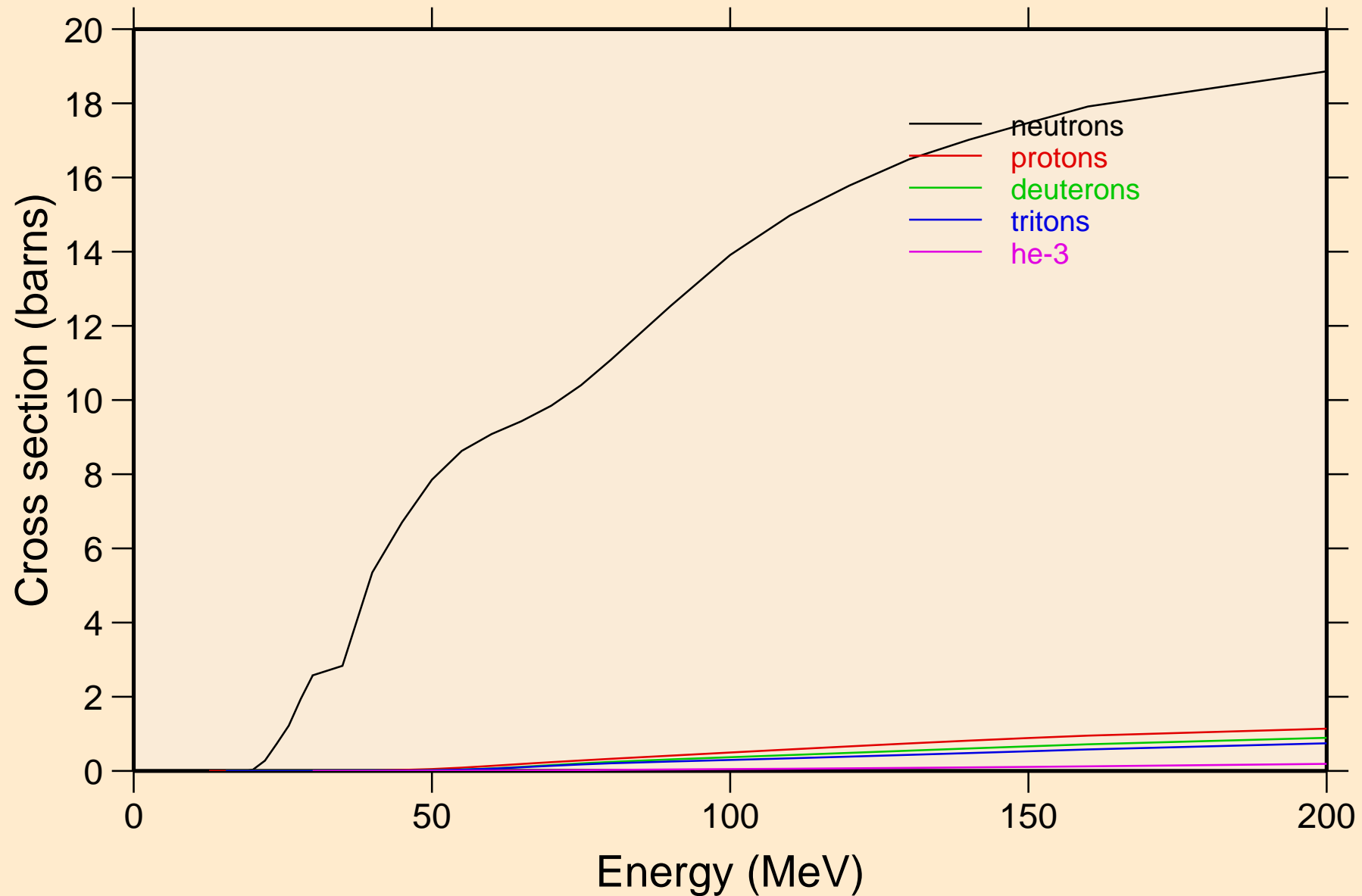
Recoil Heating



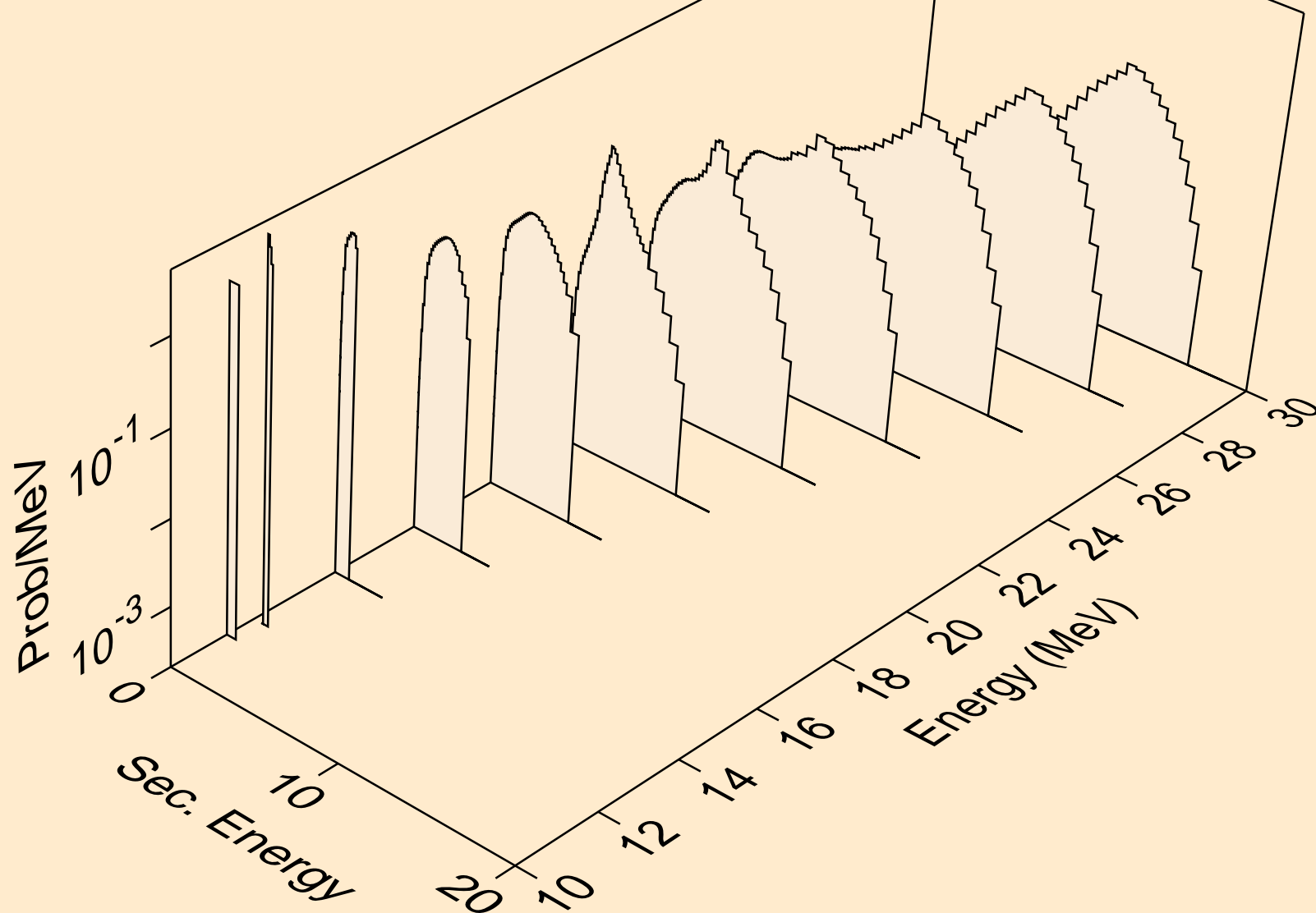


# RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

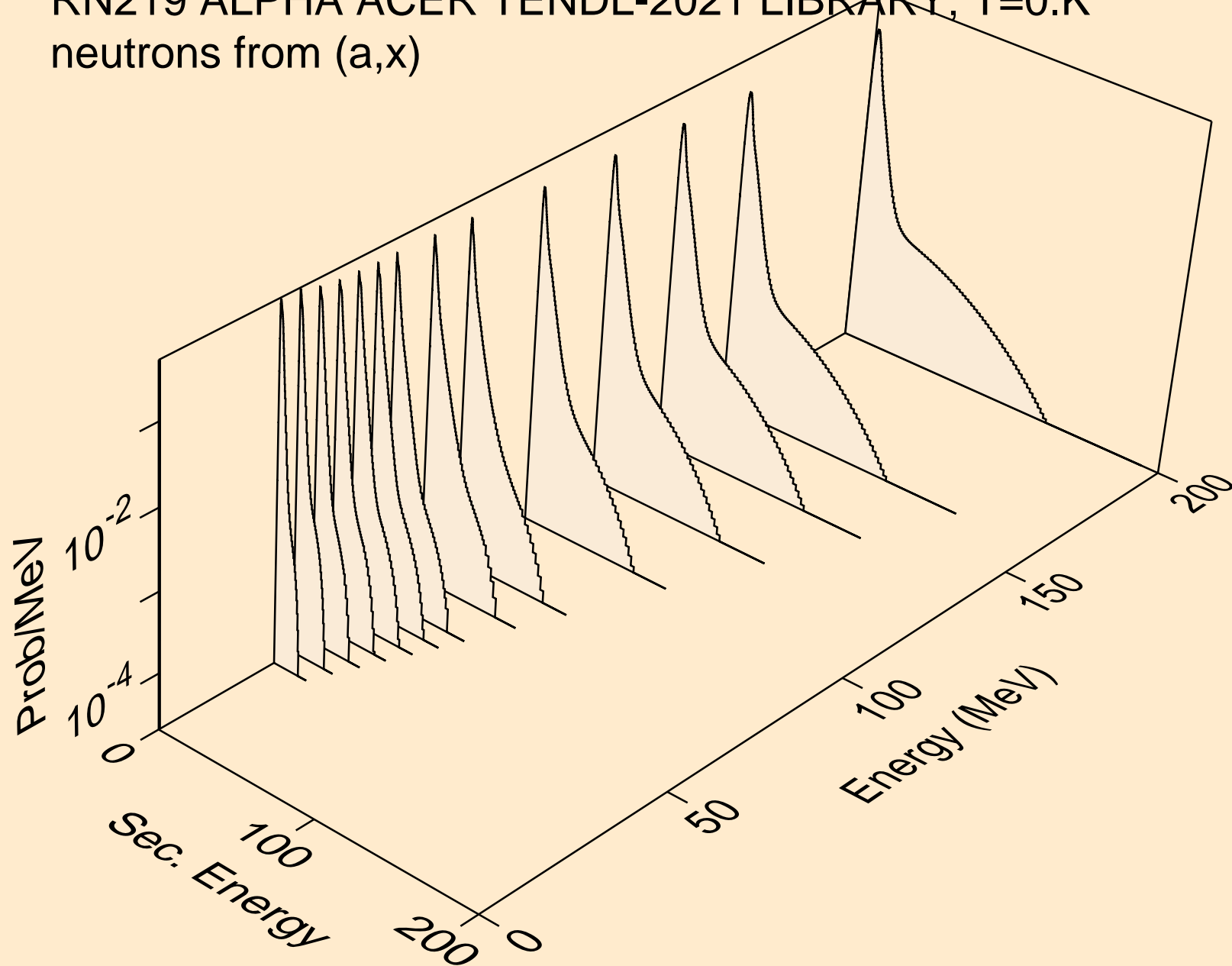
## Particle production cross sections



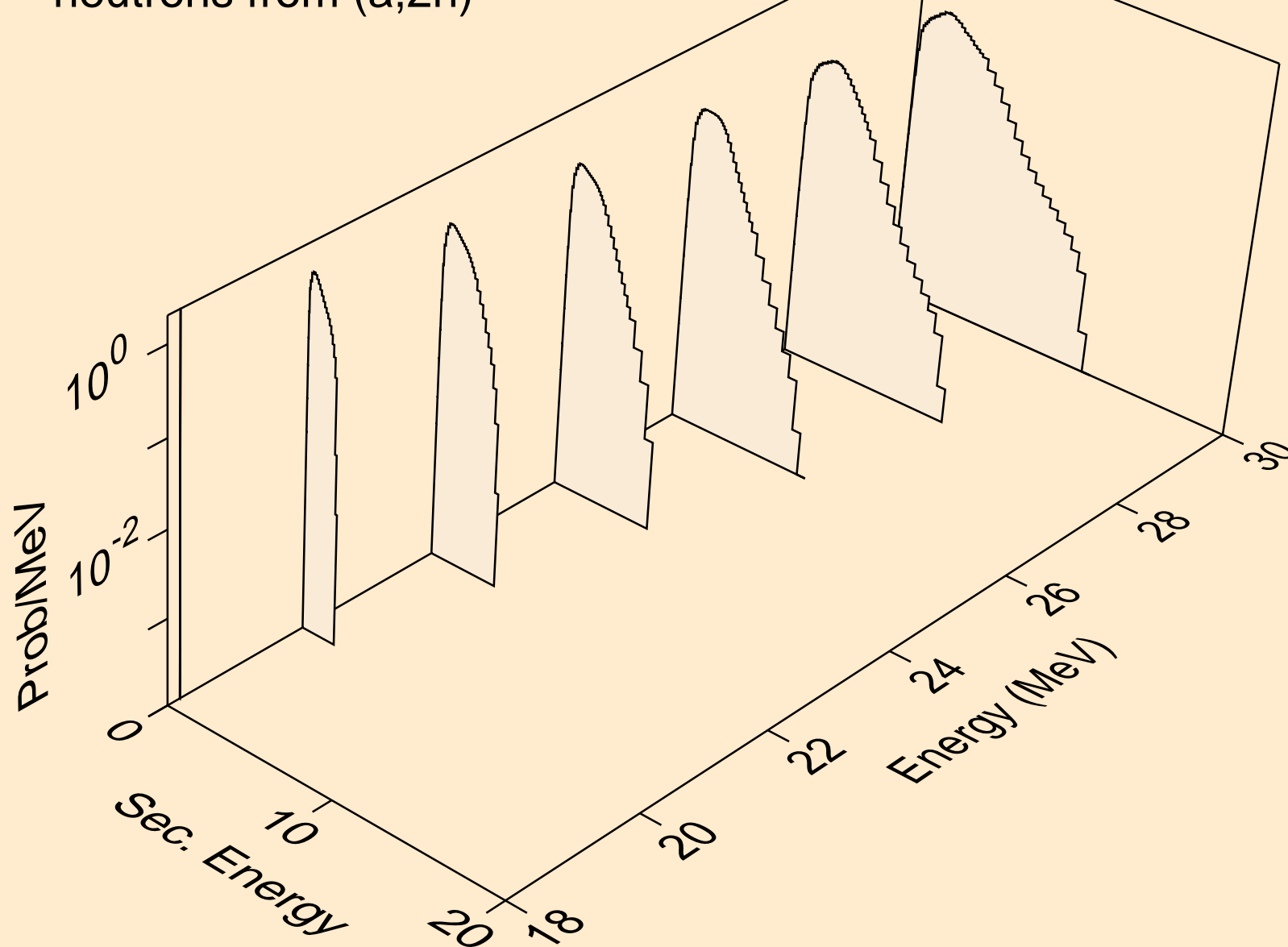
RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n)



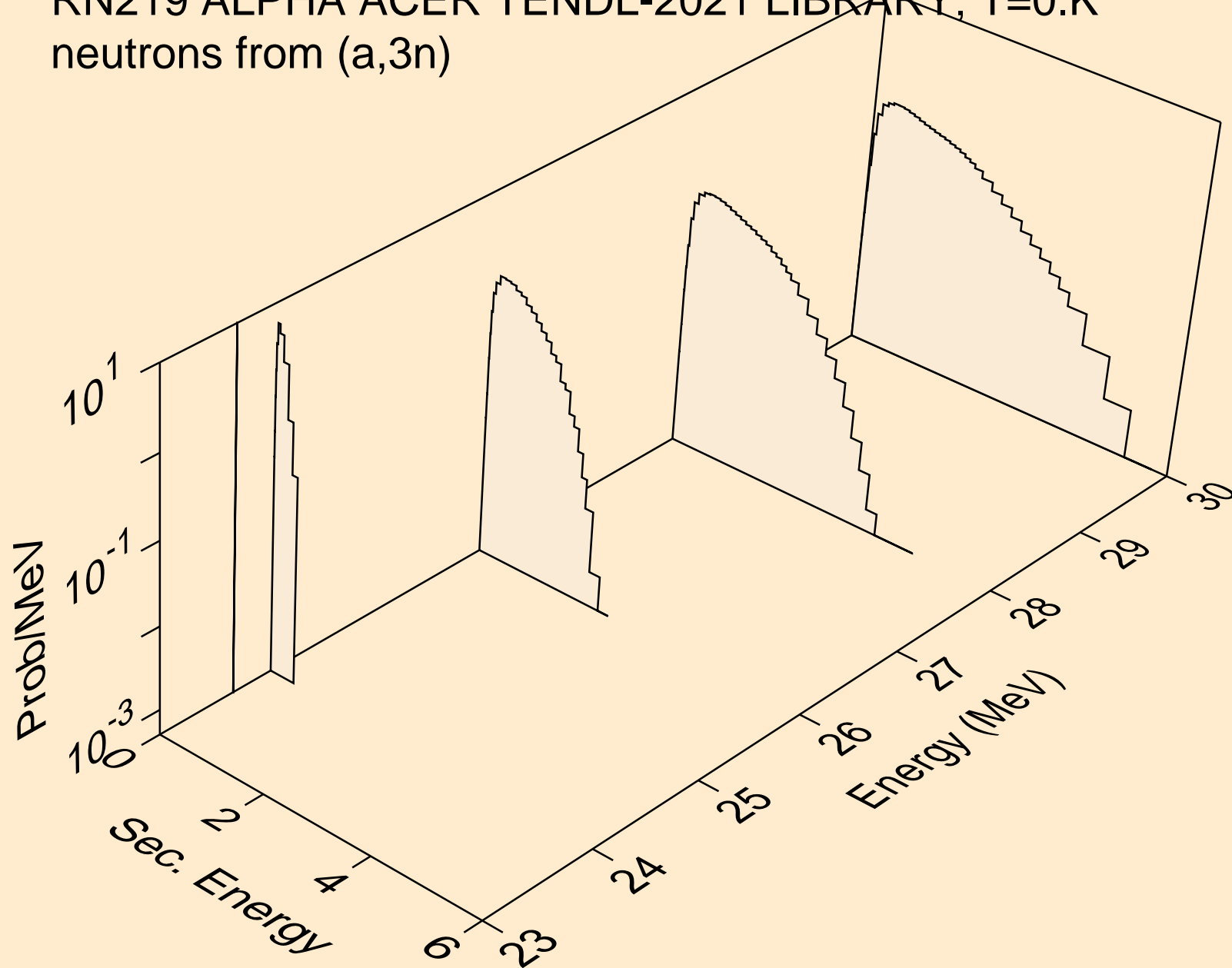
RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,x)



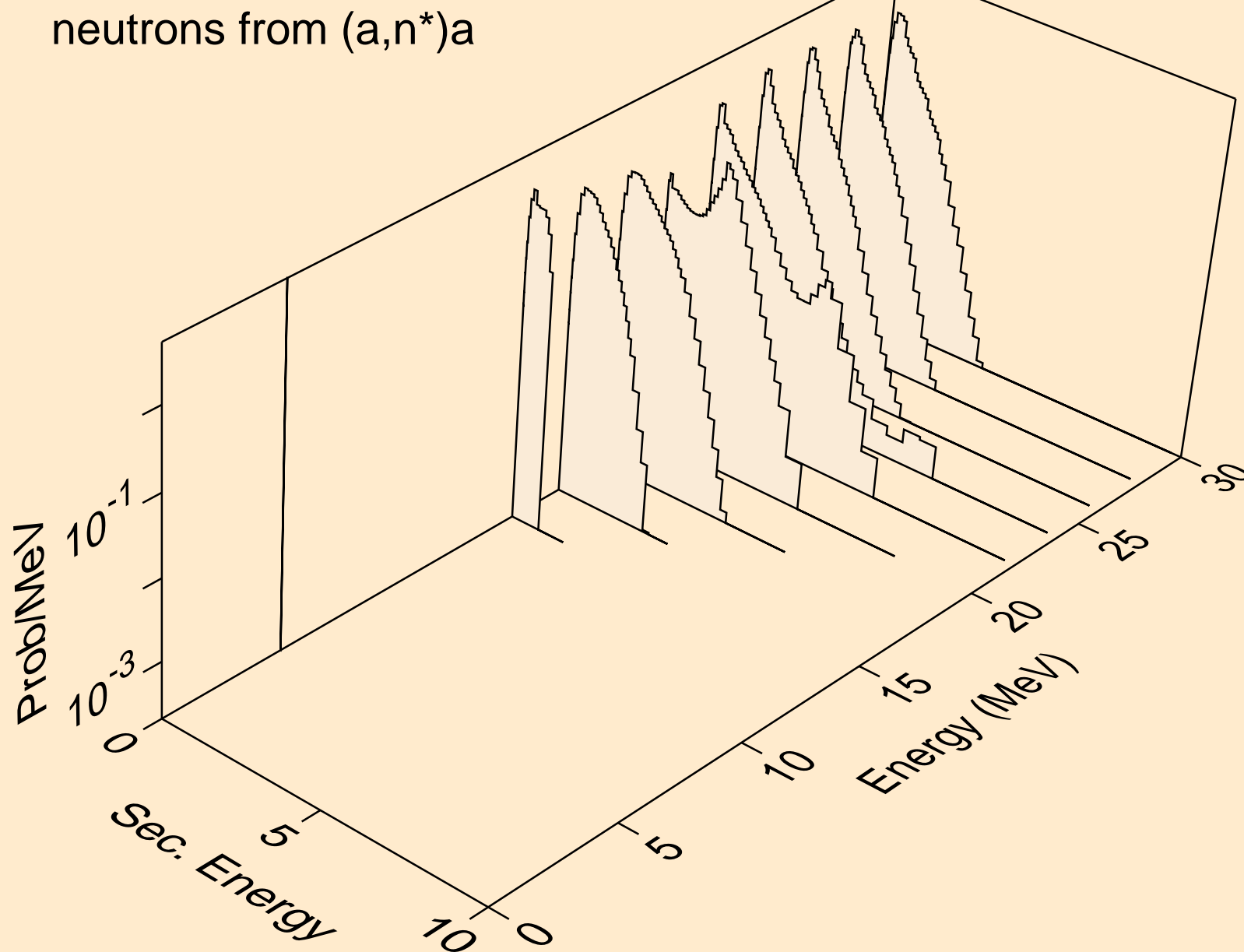
RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,2n)



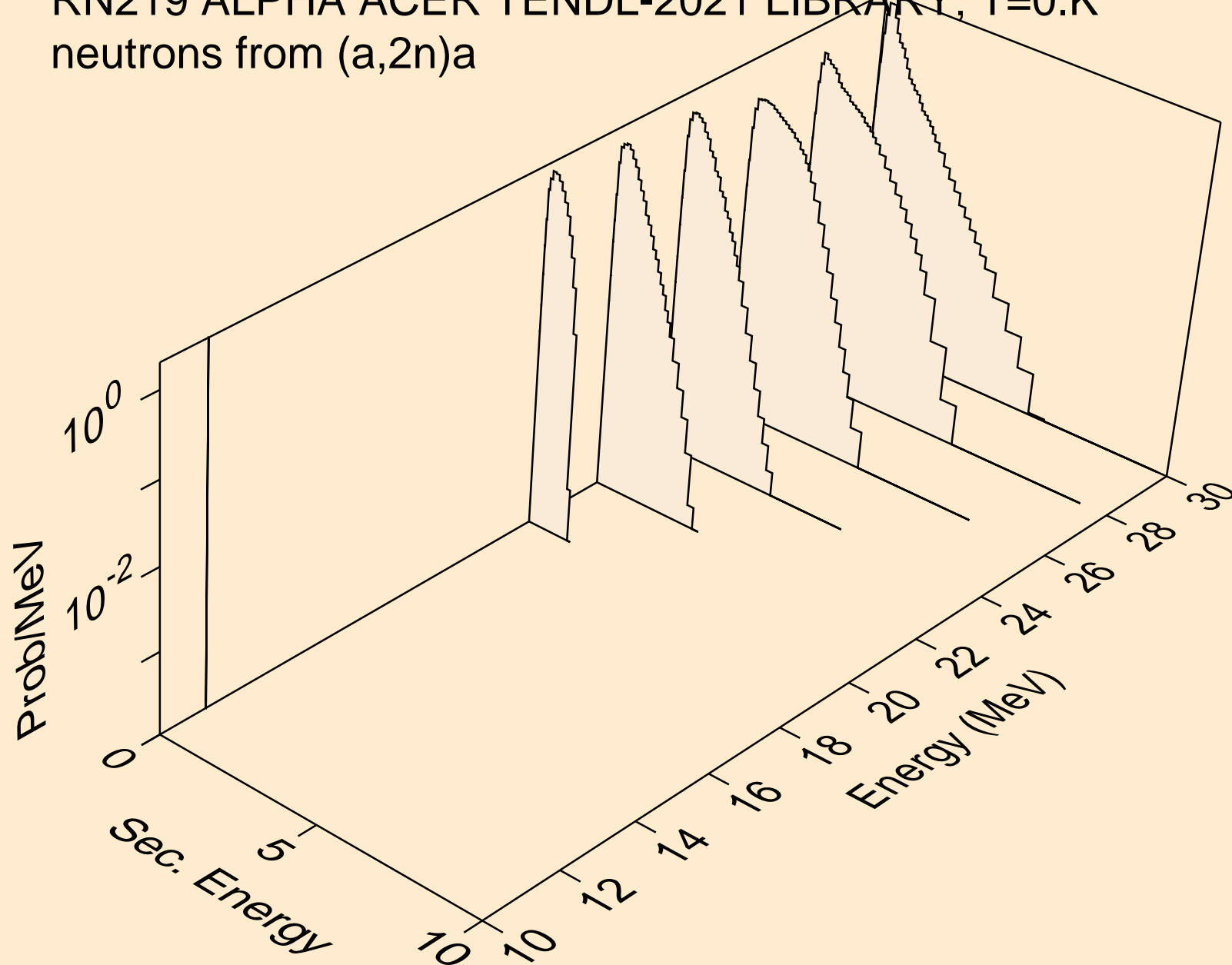
RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,3n)



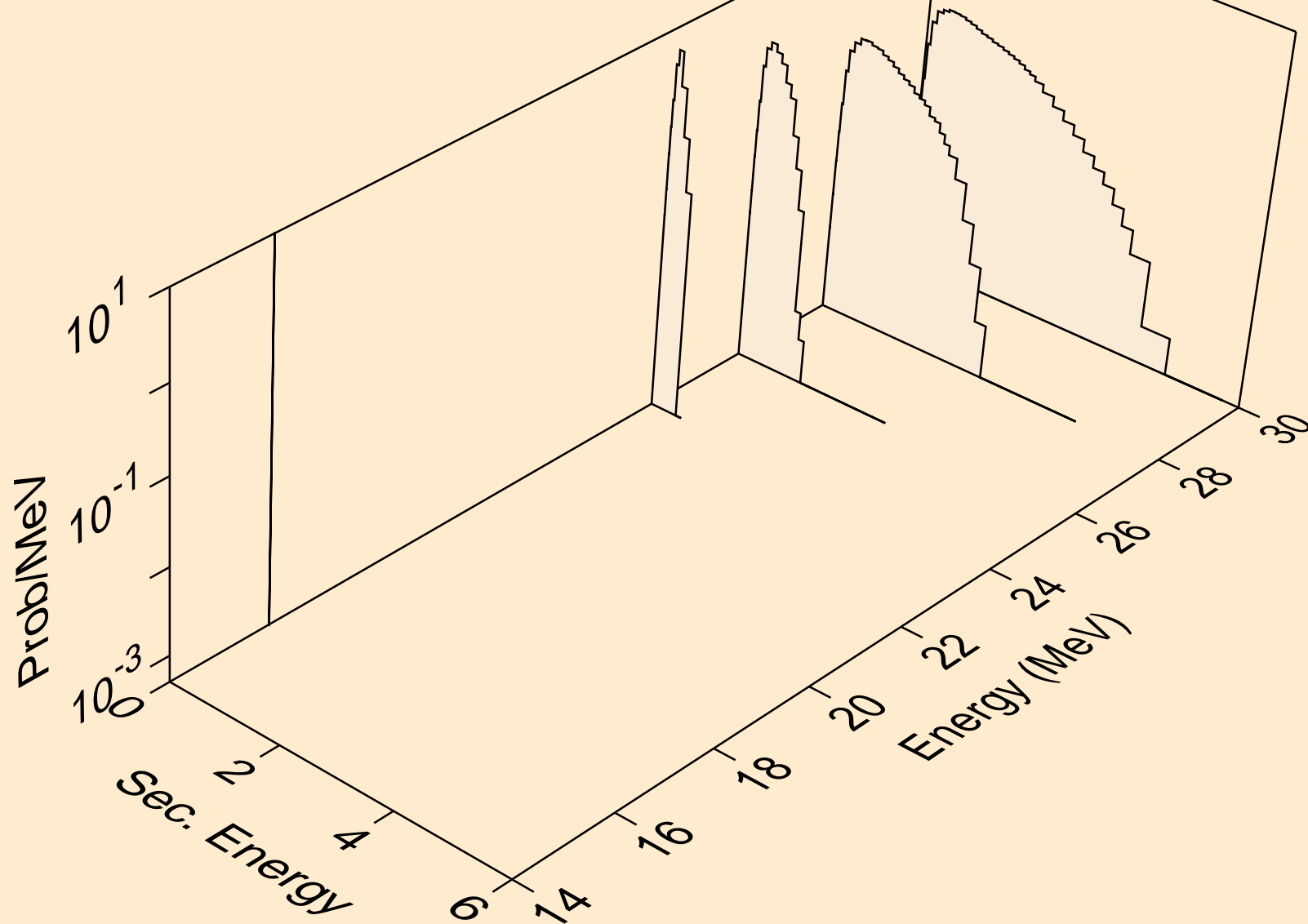
RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)a



RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,2n)a

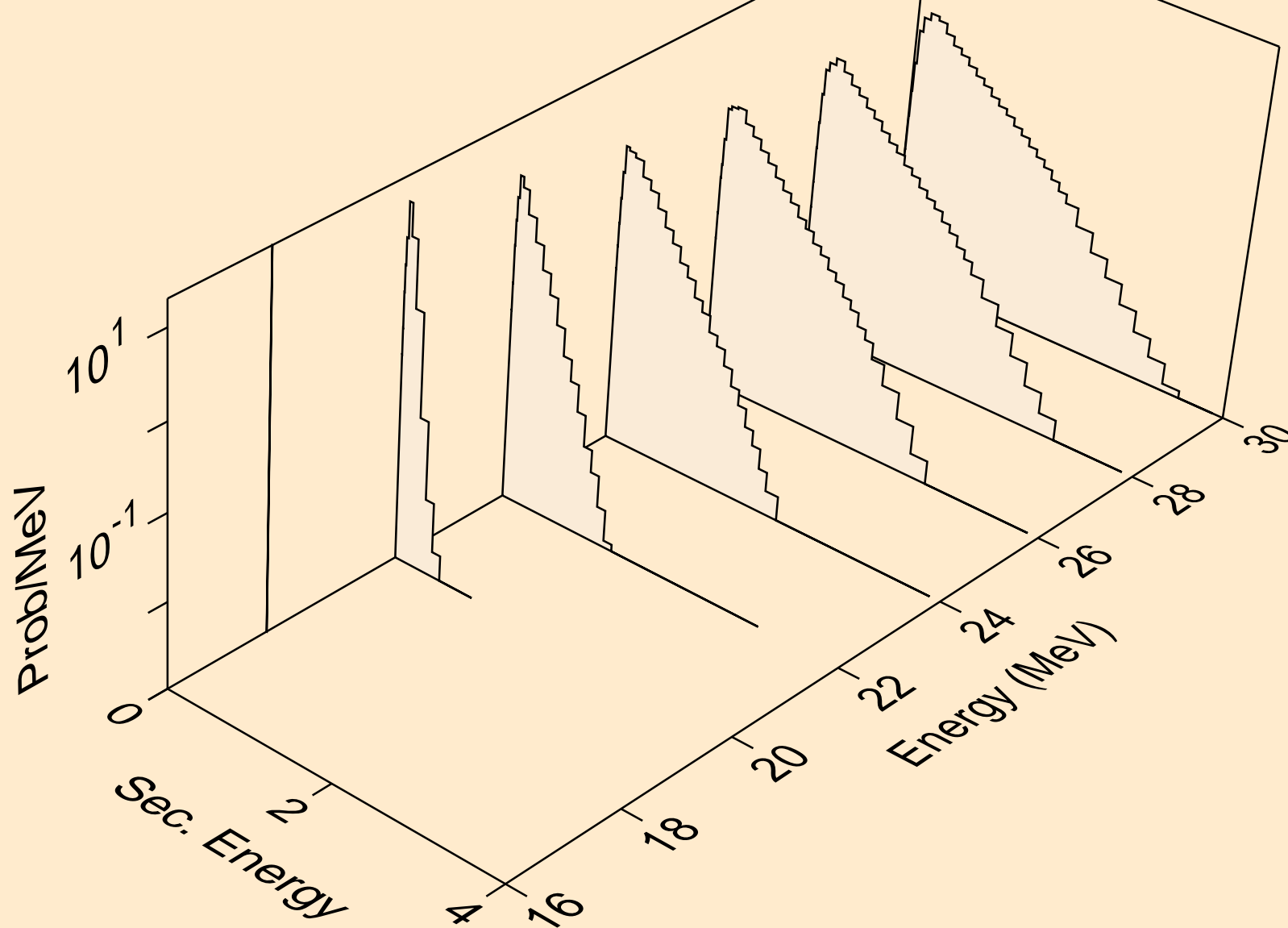


RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,3n)a

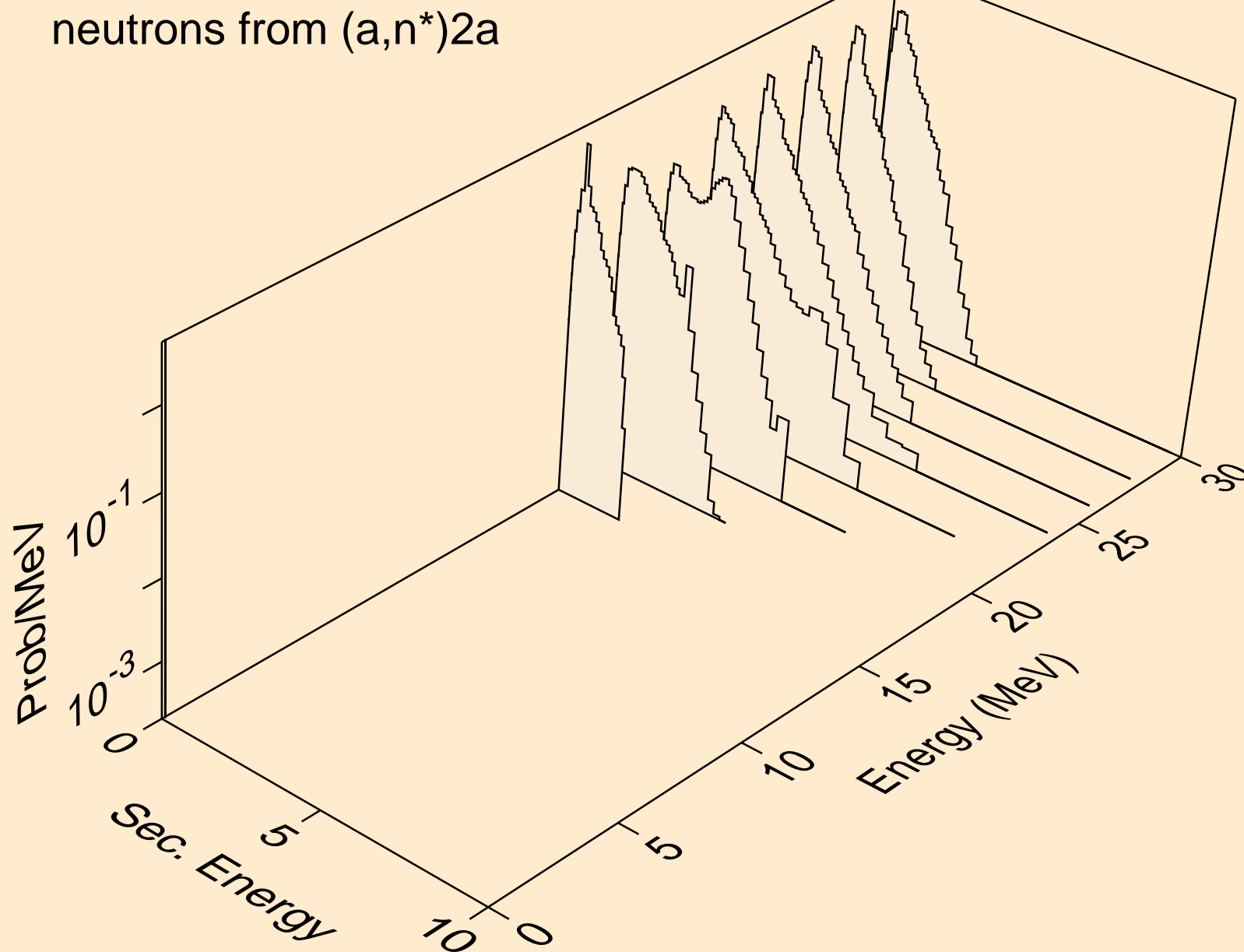




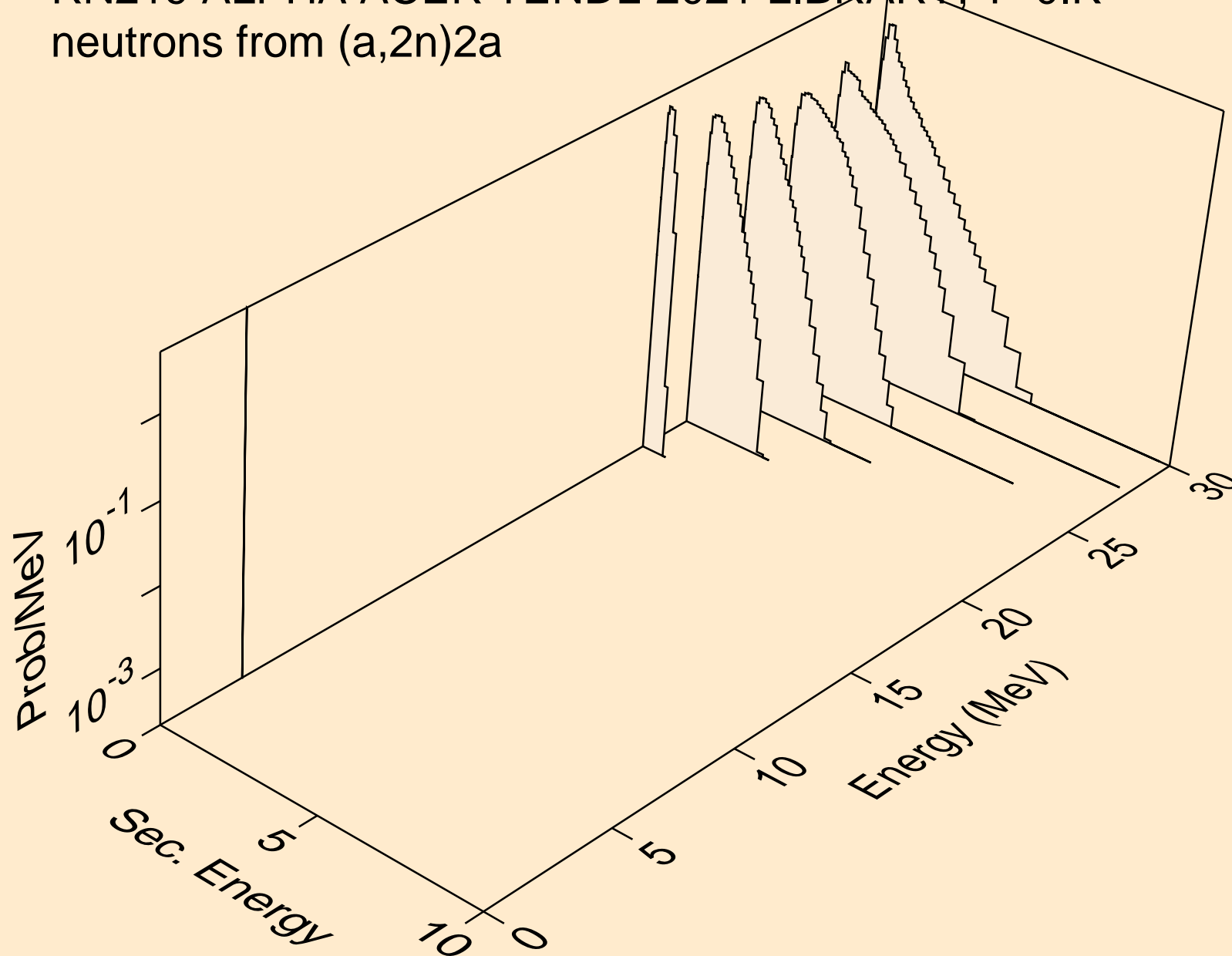
RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)p



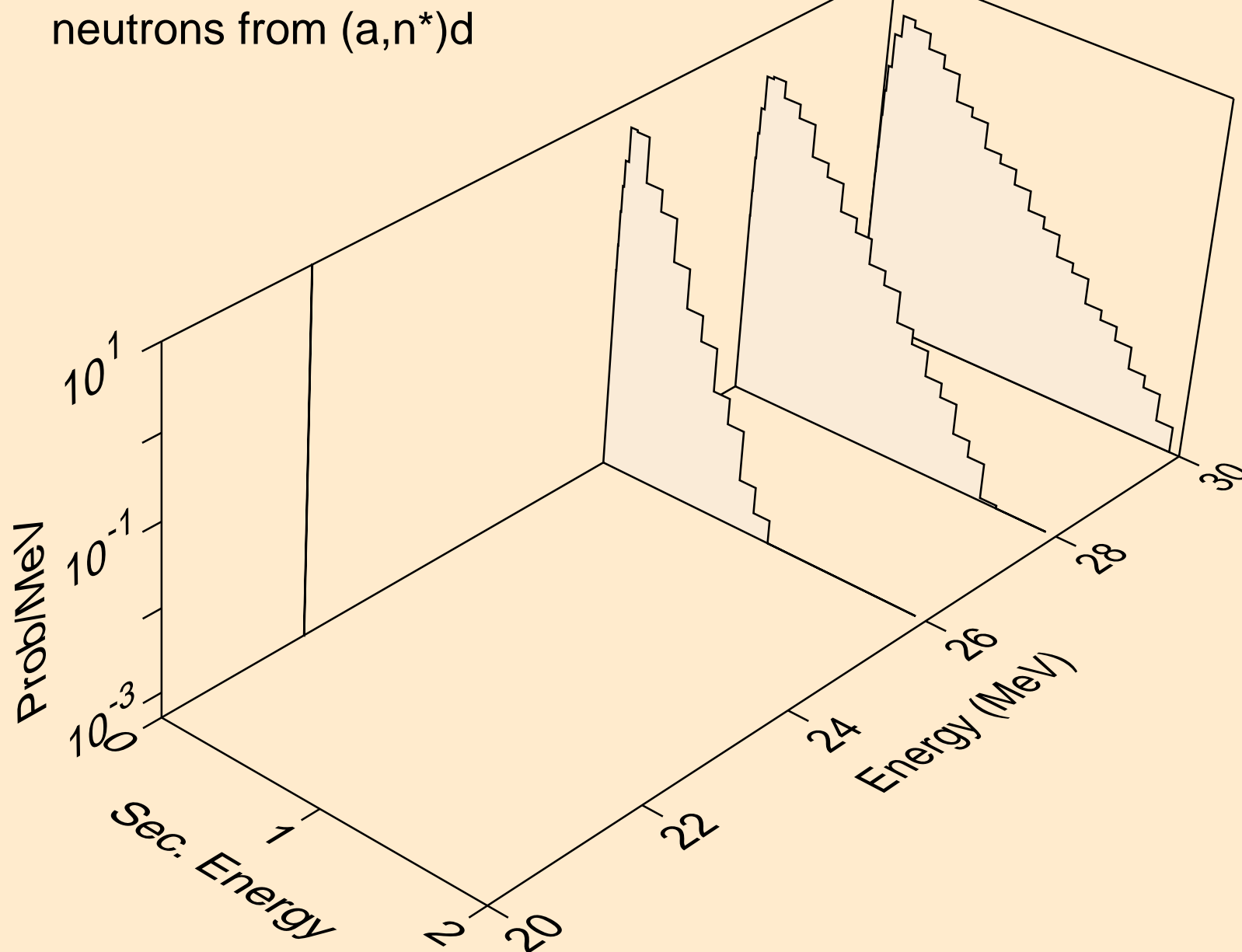
RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)2a



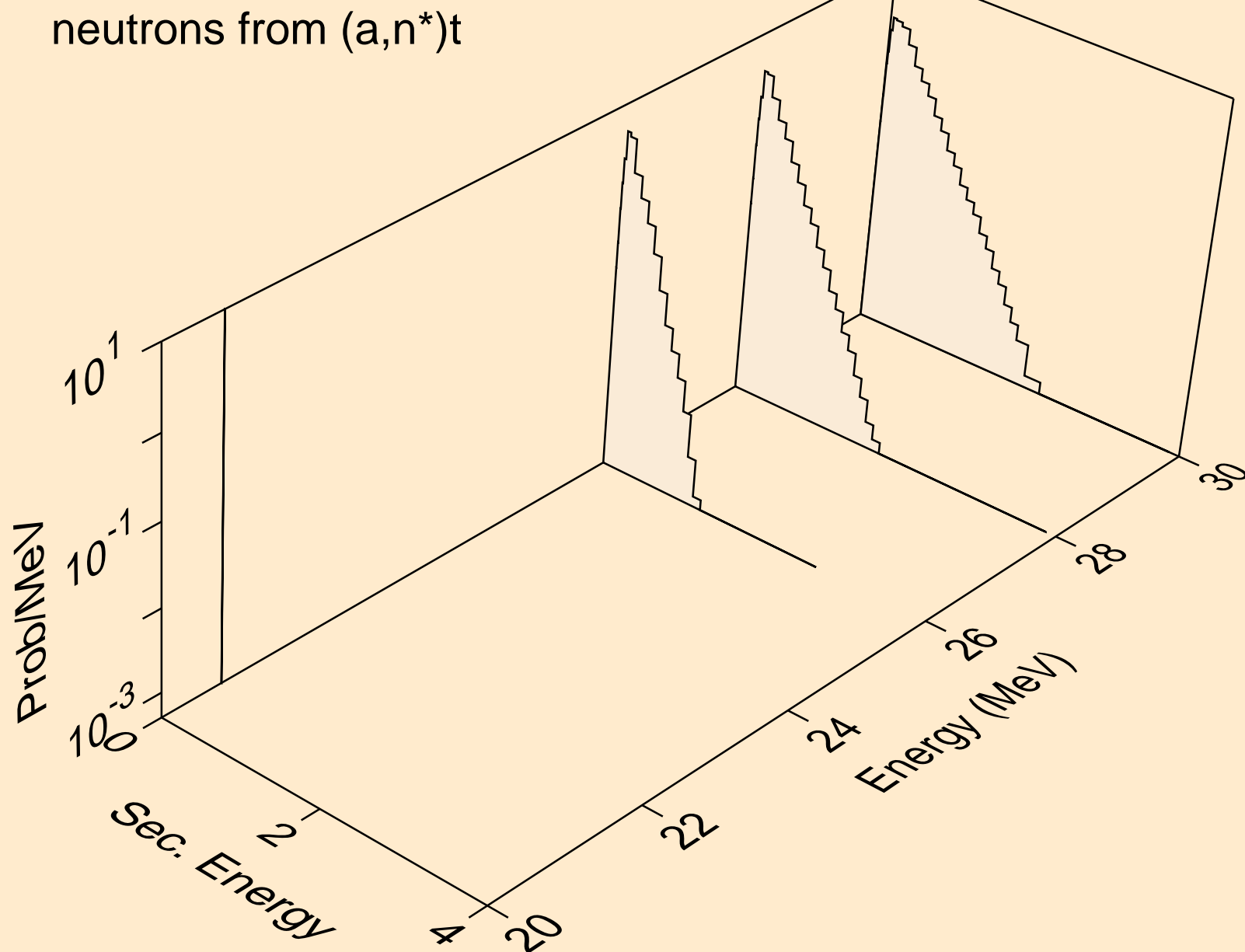
RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,2n)2a



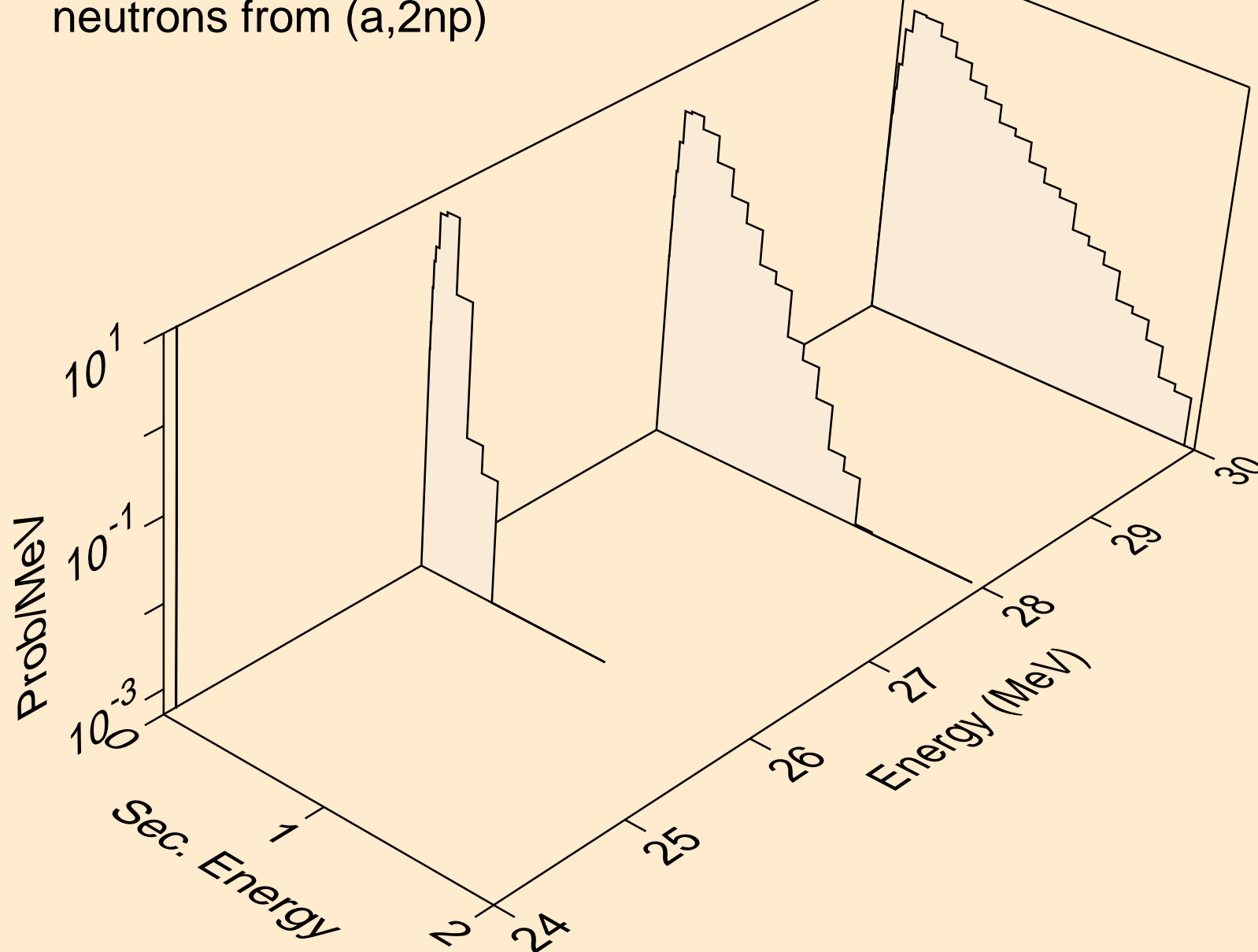
RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)d



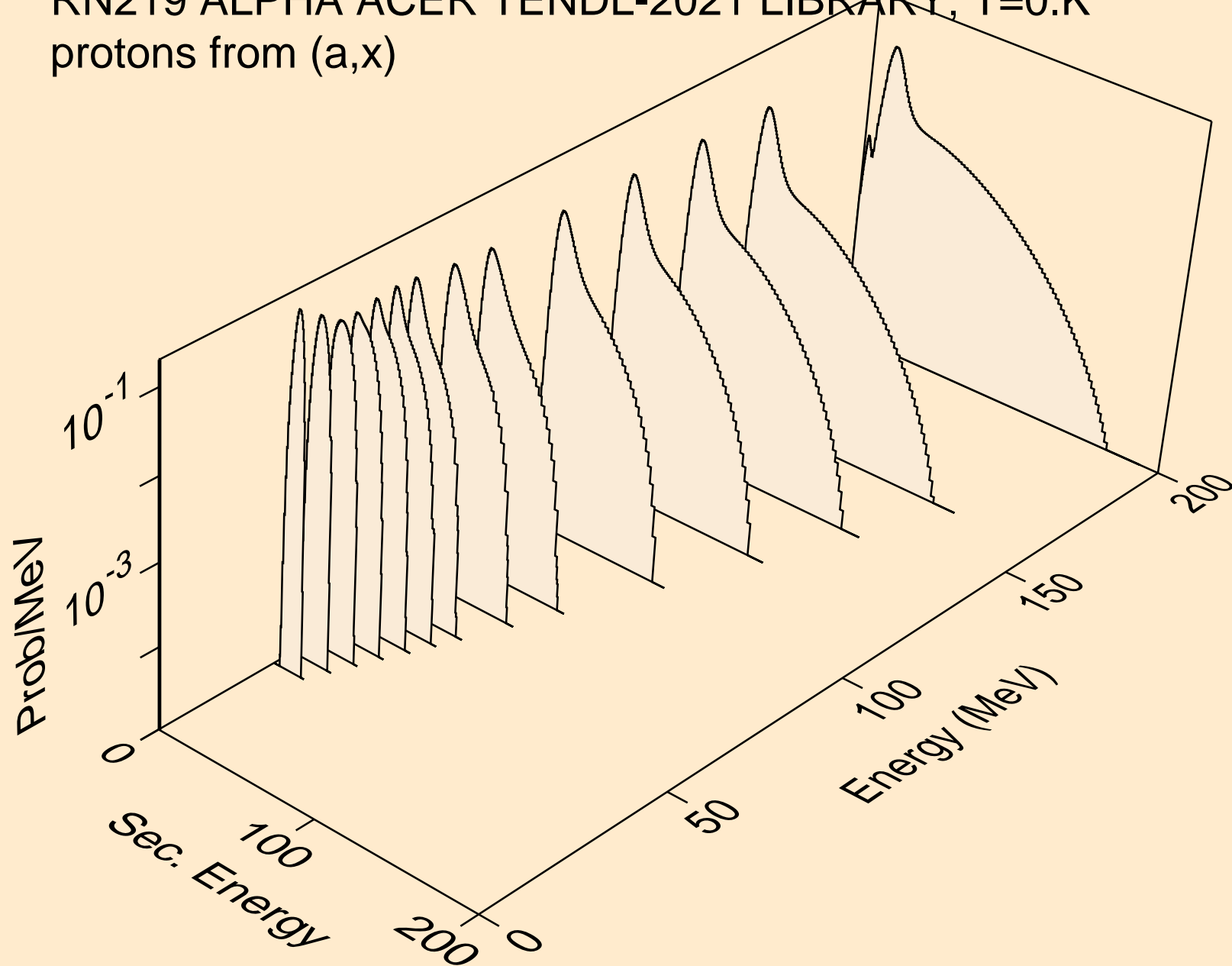
RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)t



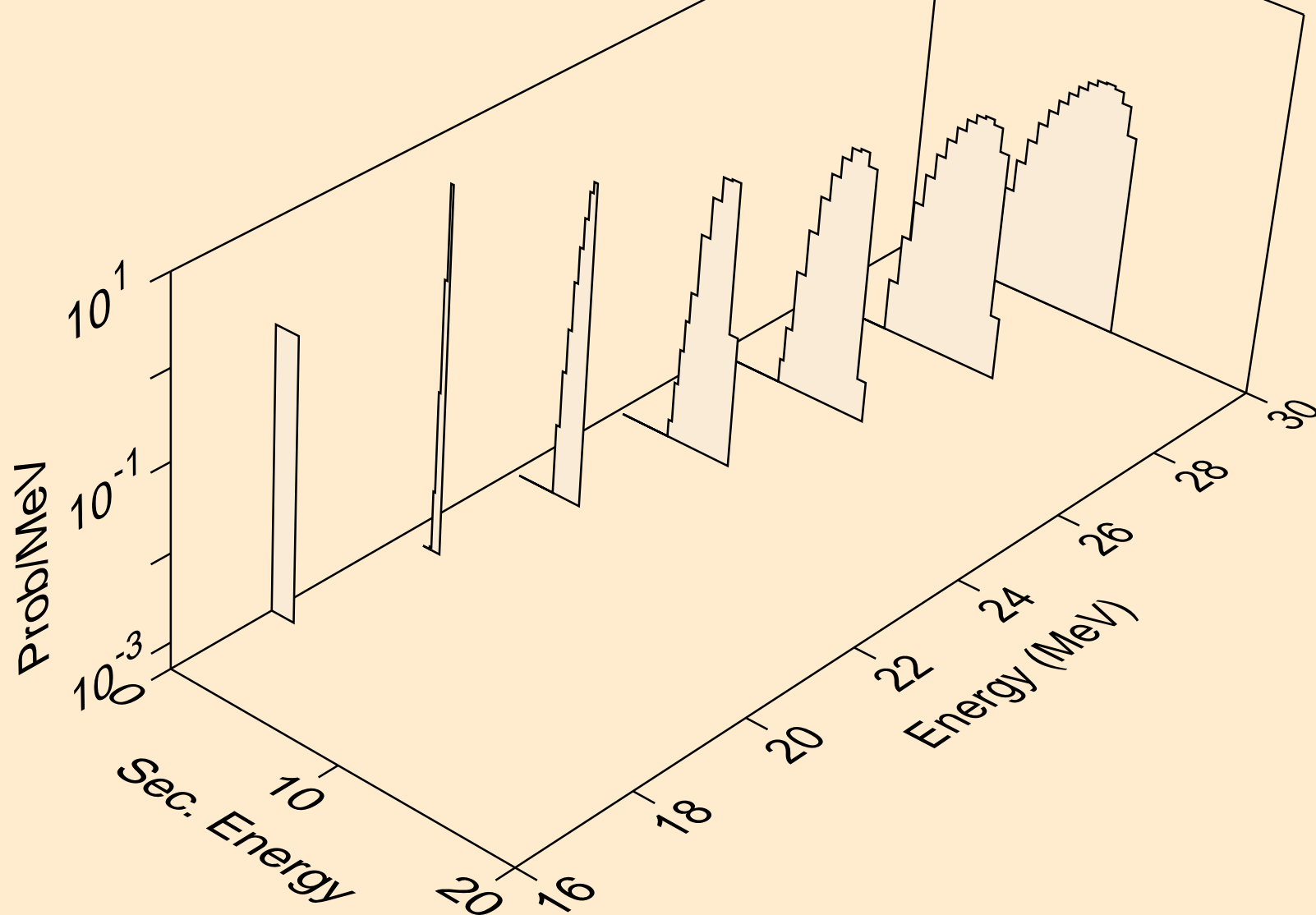
RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,2np)



RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,x)

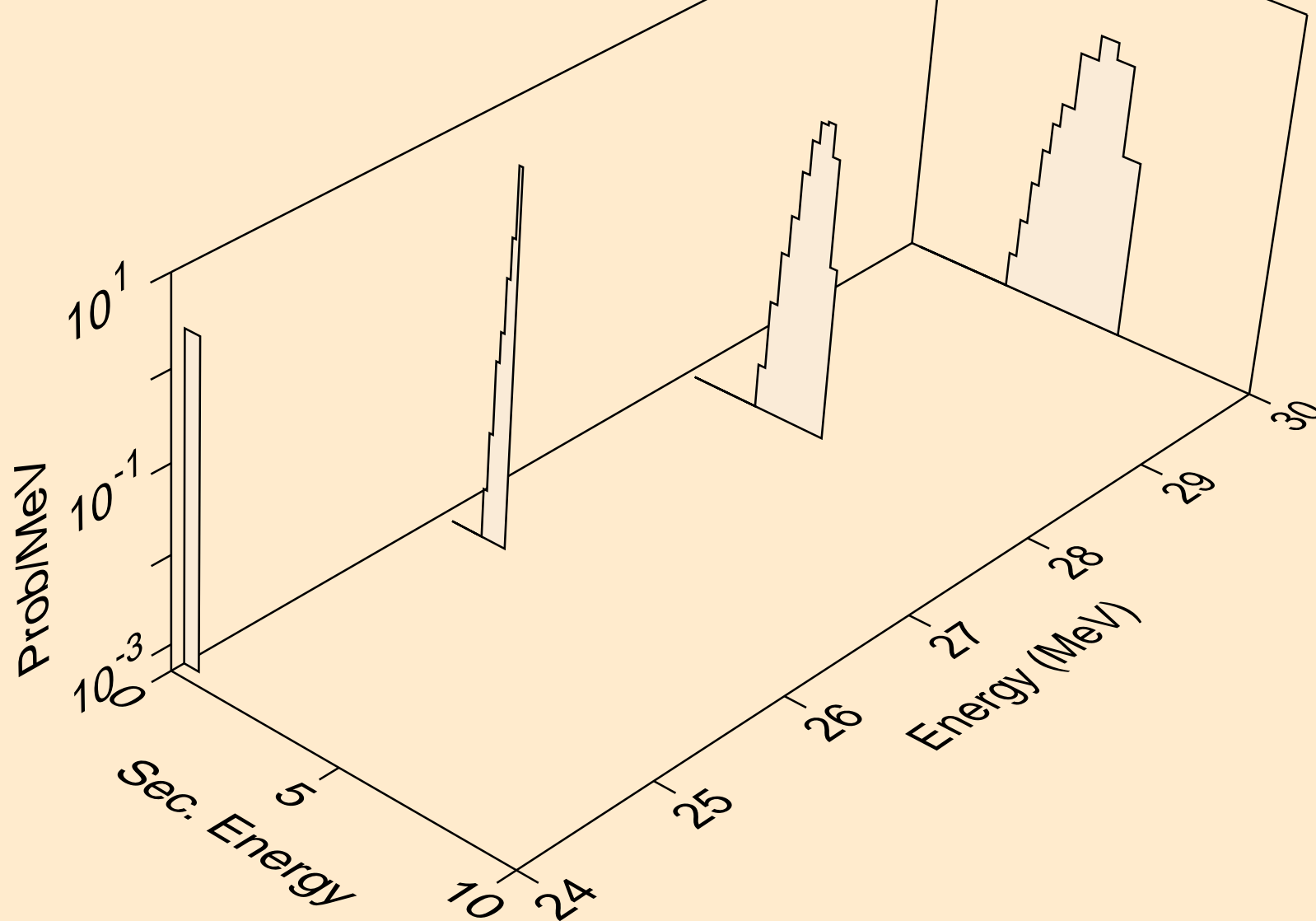


RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,n\*)p

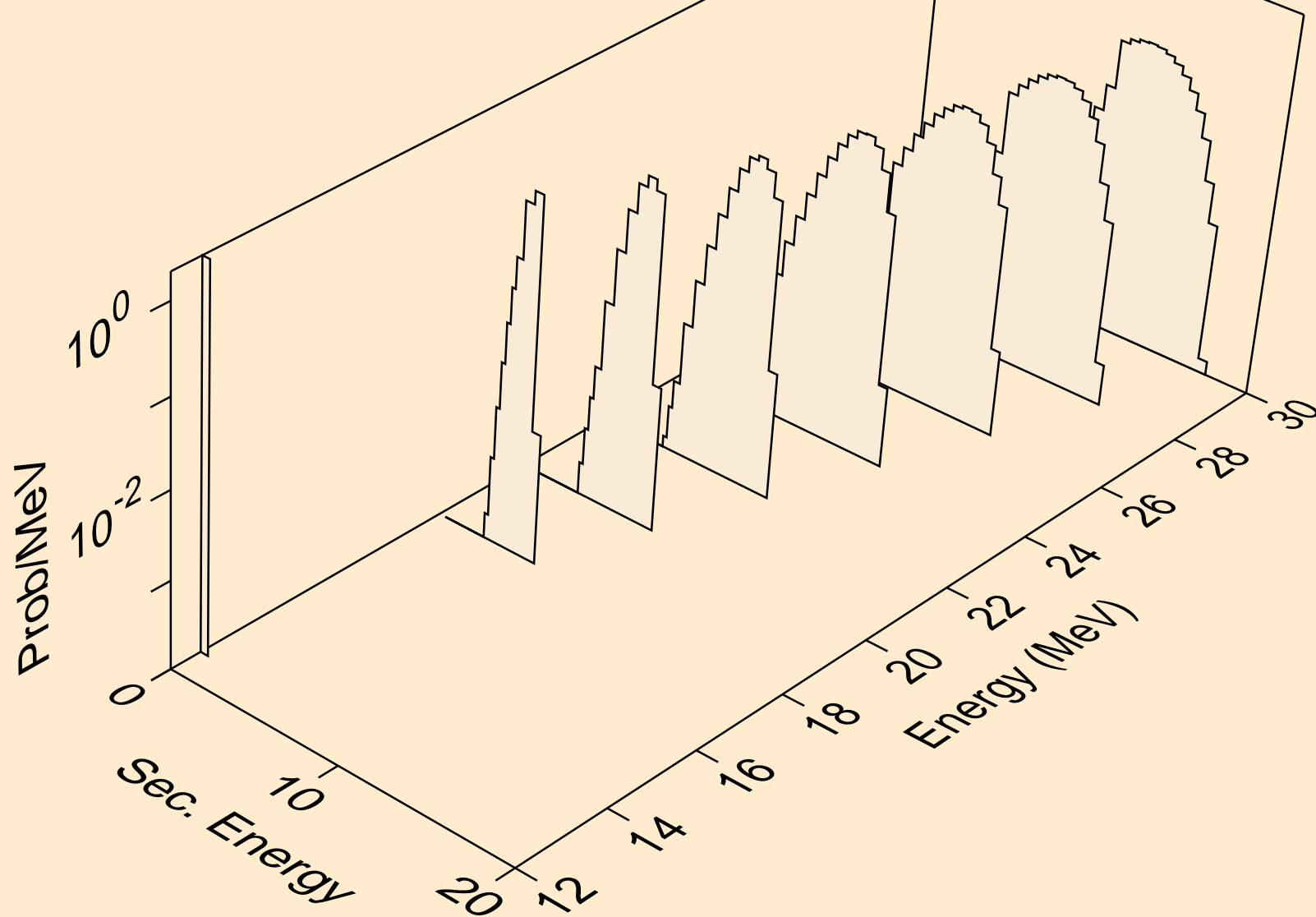




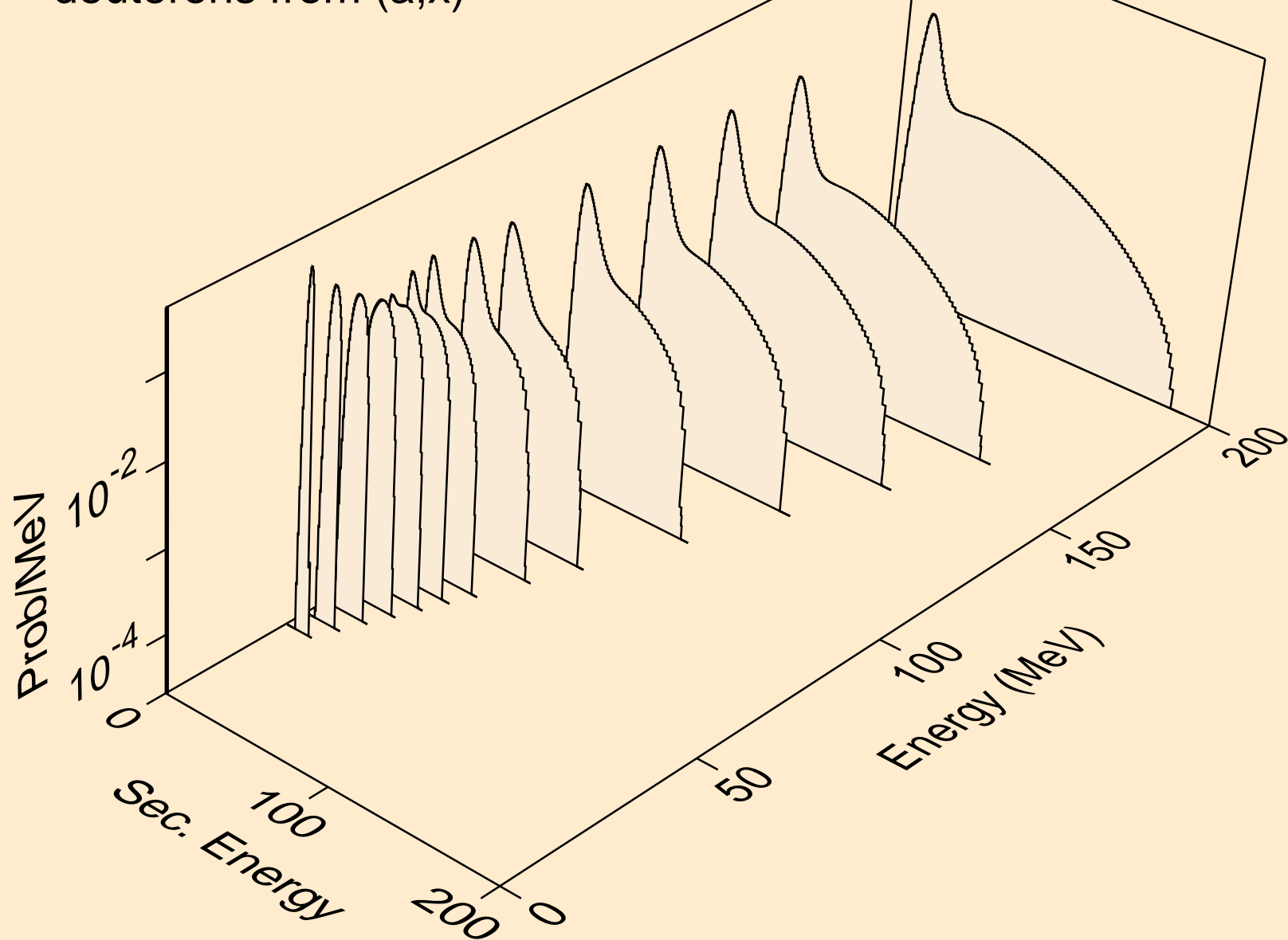
RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,2np)



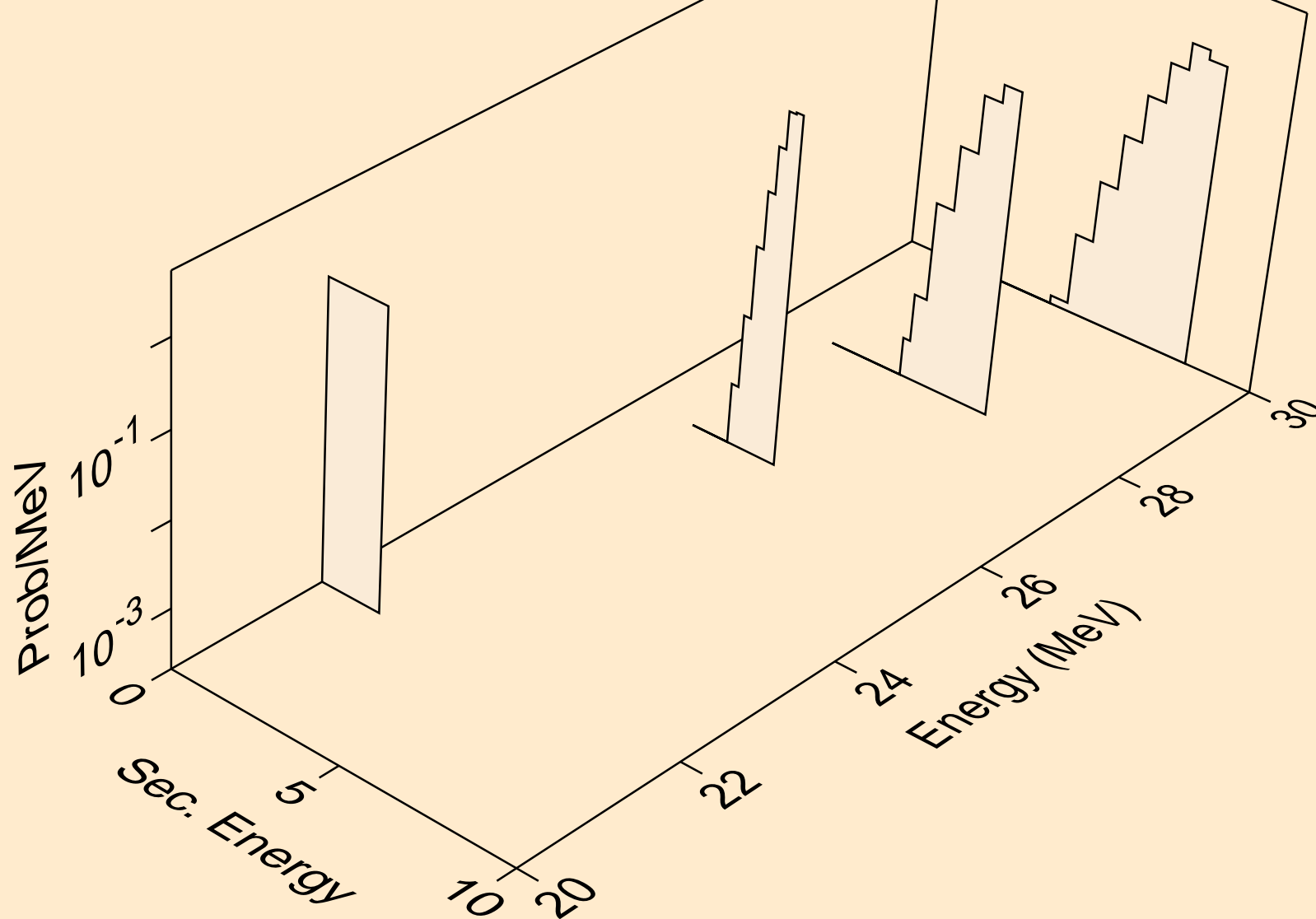
RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,p)



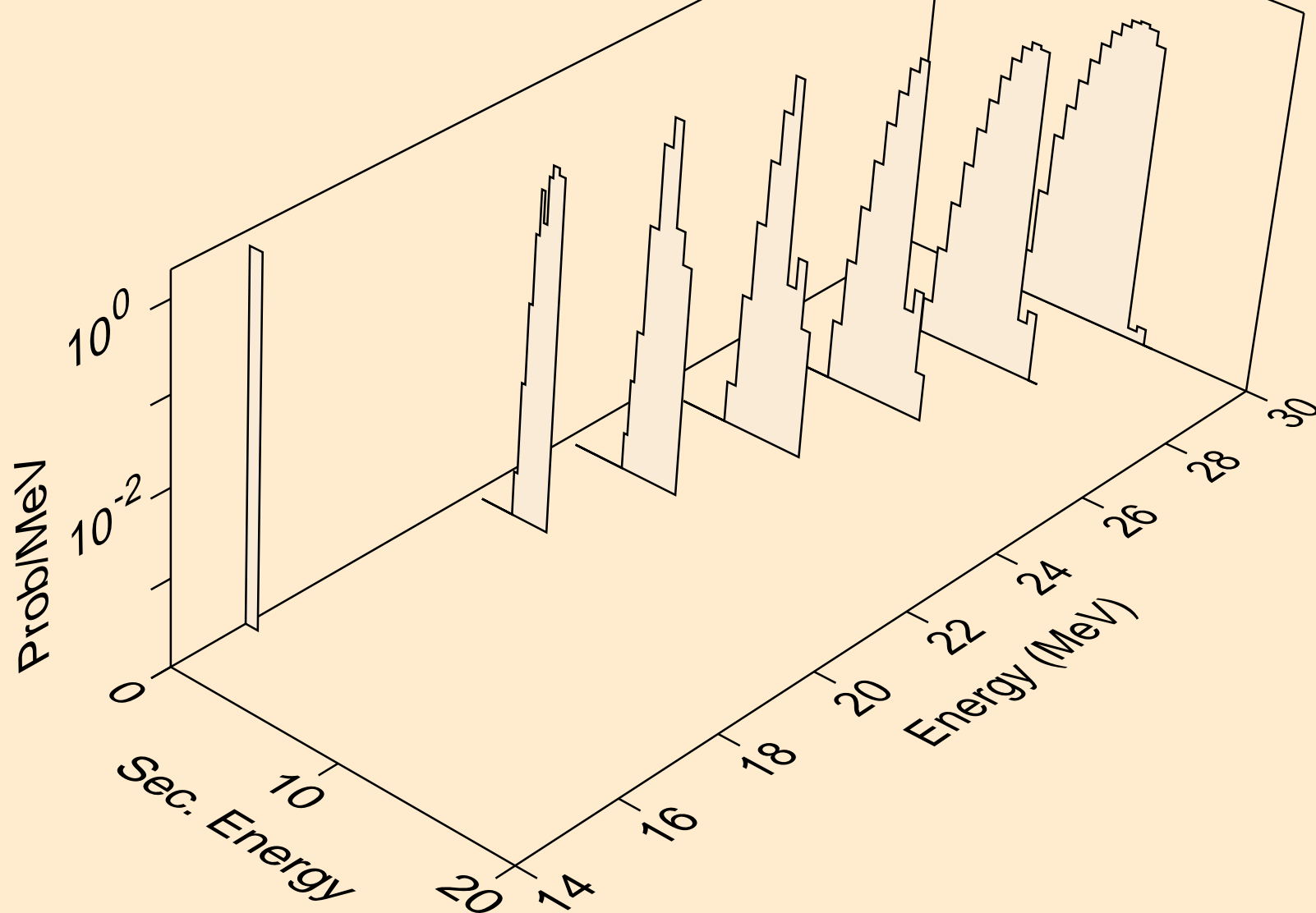
RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,x)



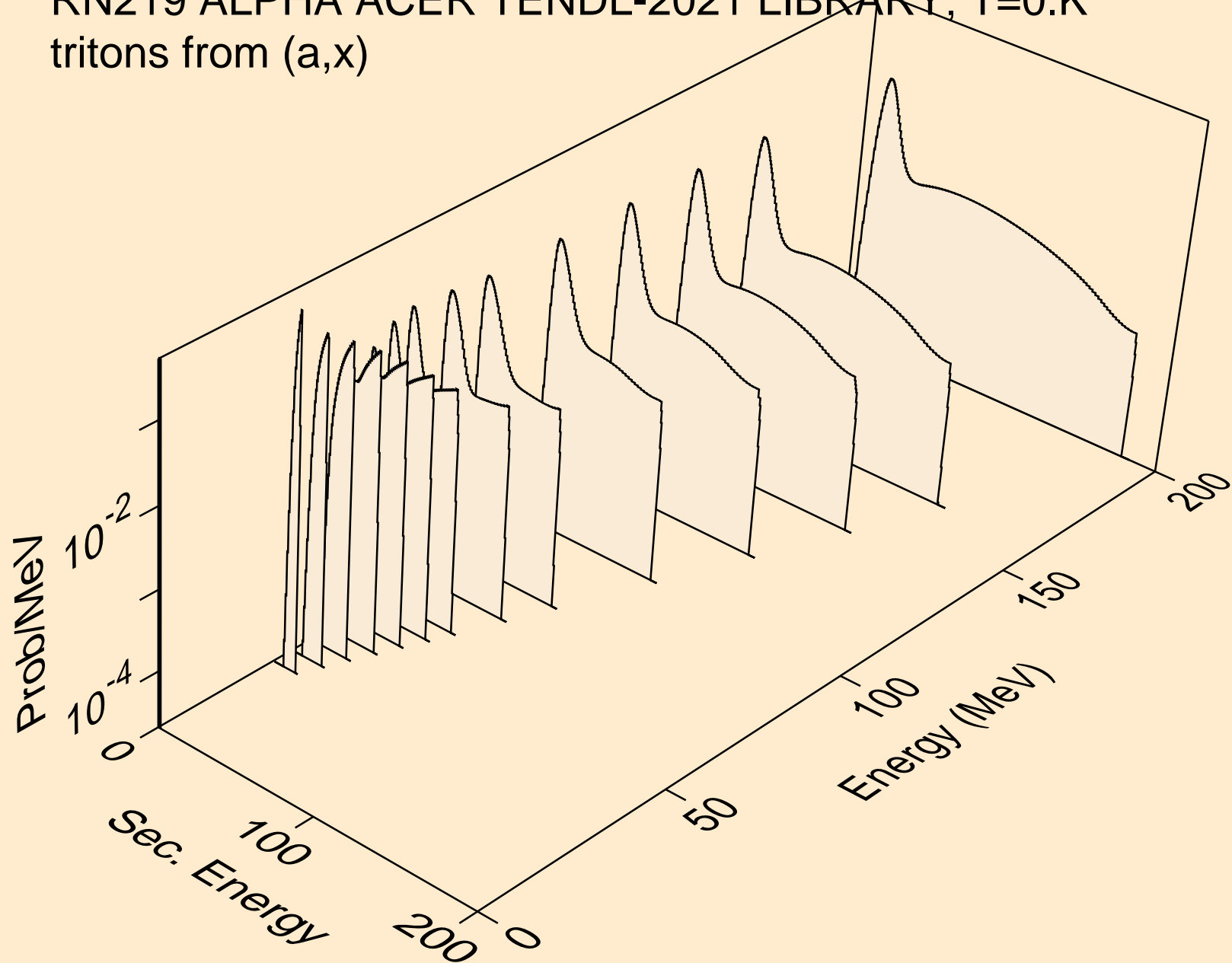
RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,n\*)d



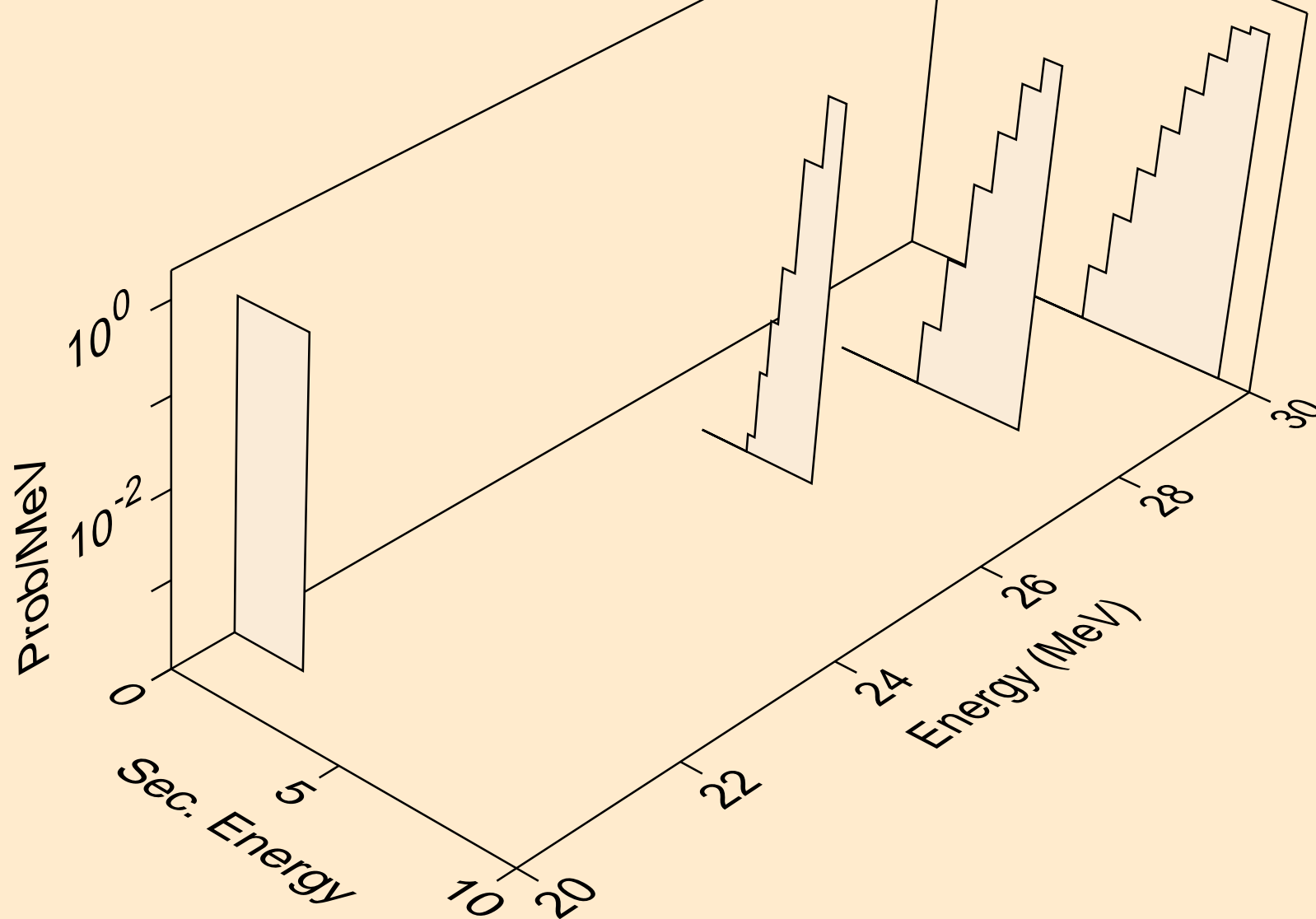
RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,d)



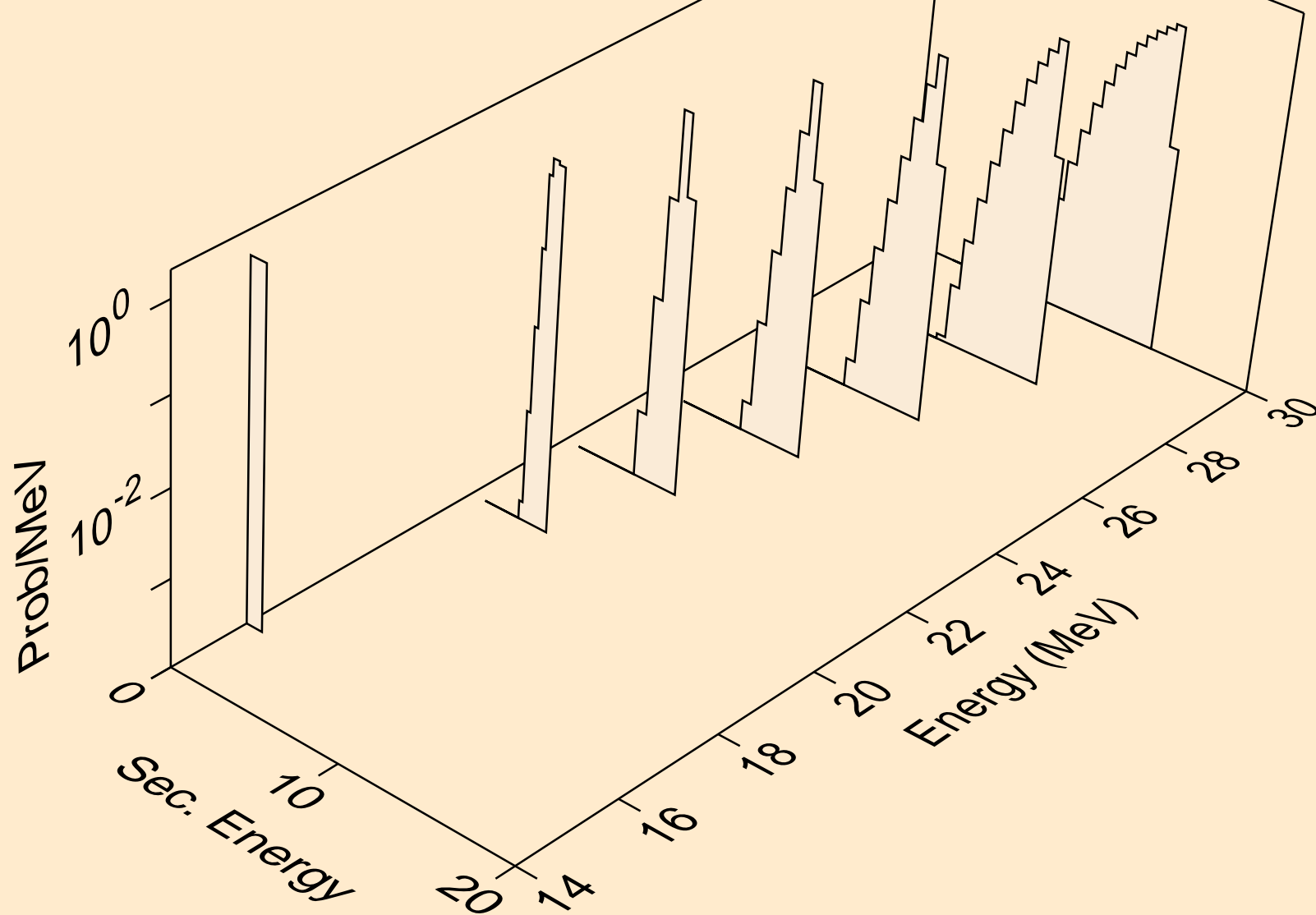
RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (a,x)



RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (a,n\*)t



RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (a,t)





RN219 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (a,x)

