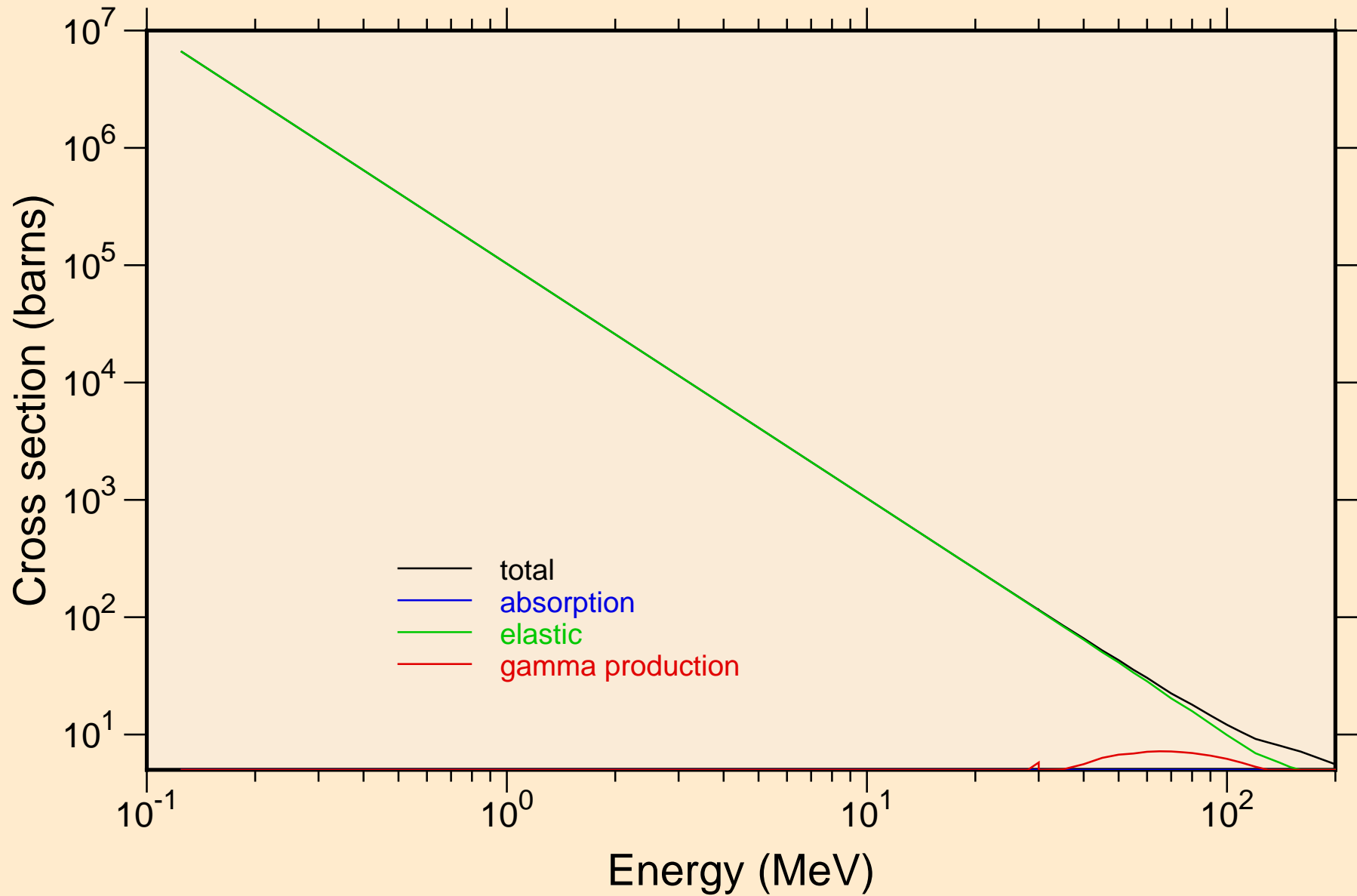


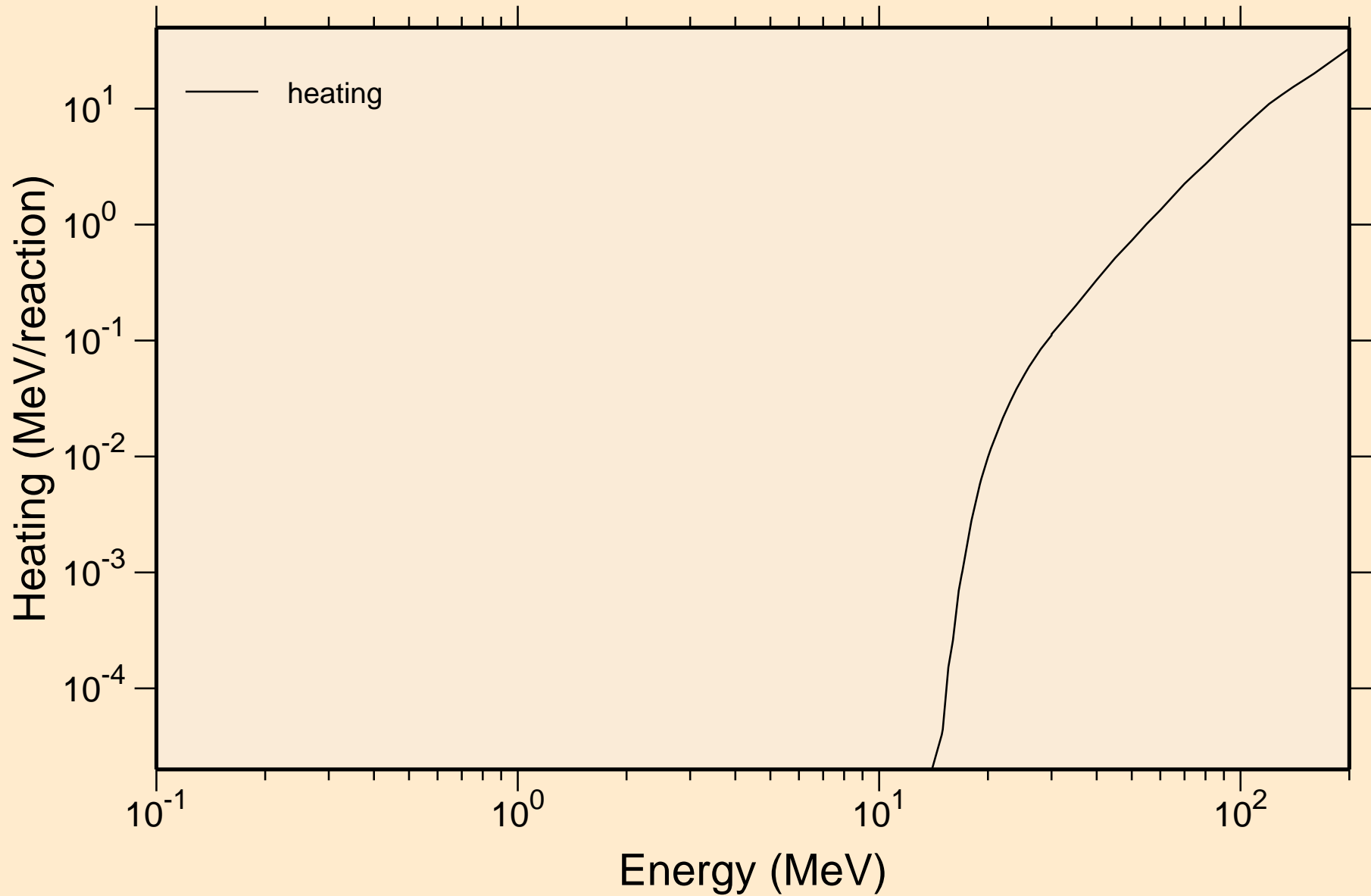
# EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



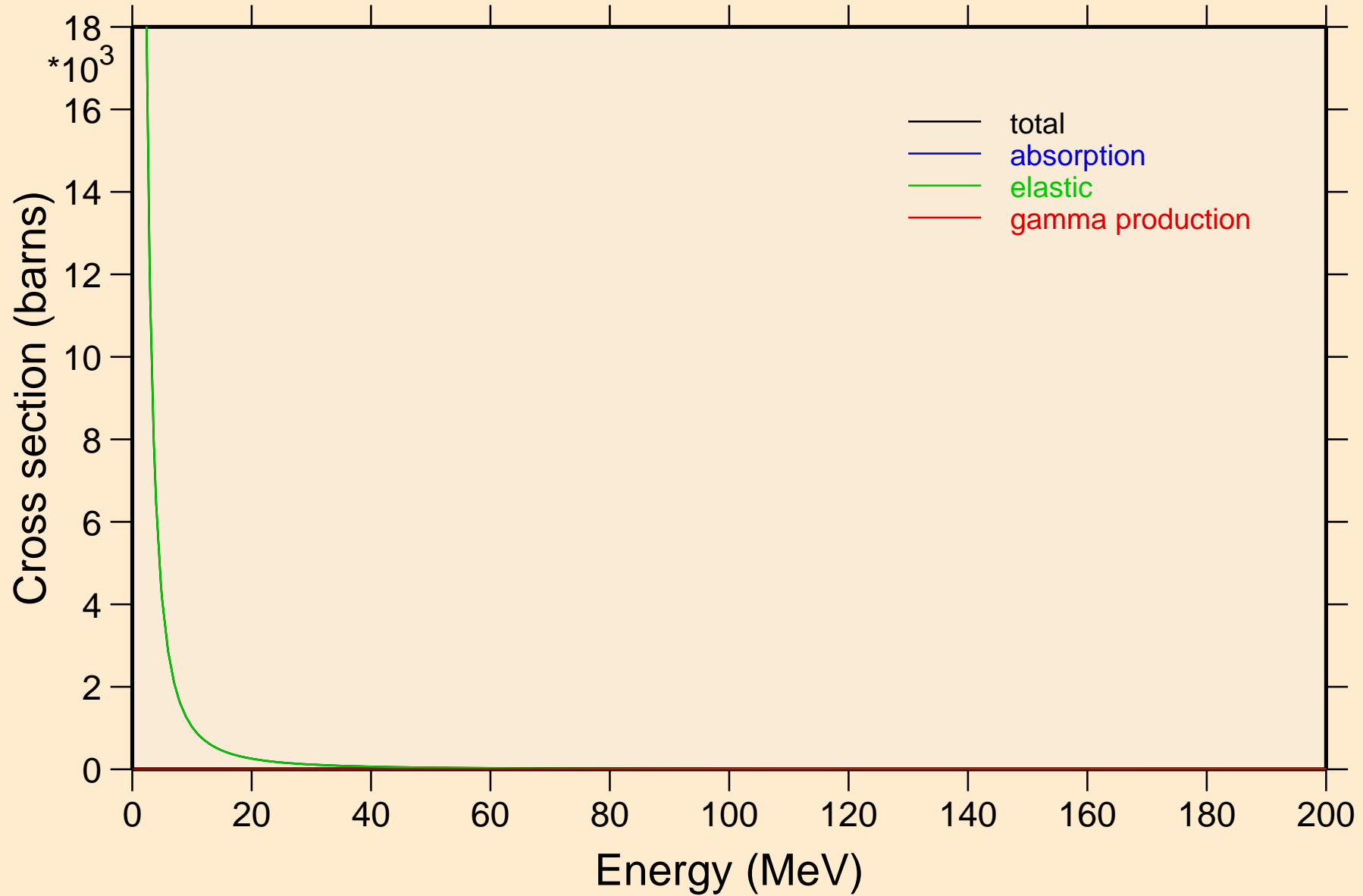
# EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

## Heating



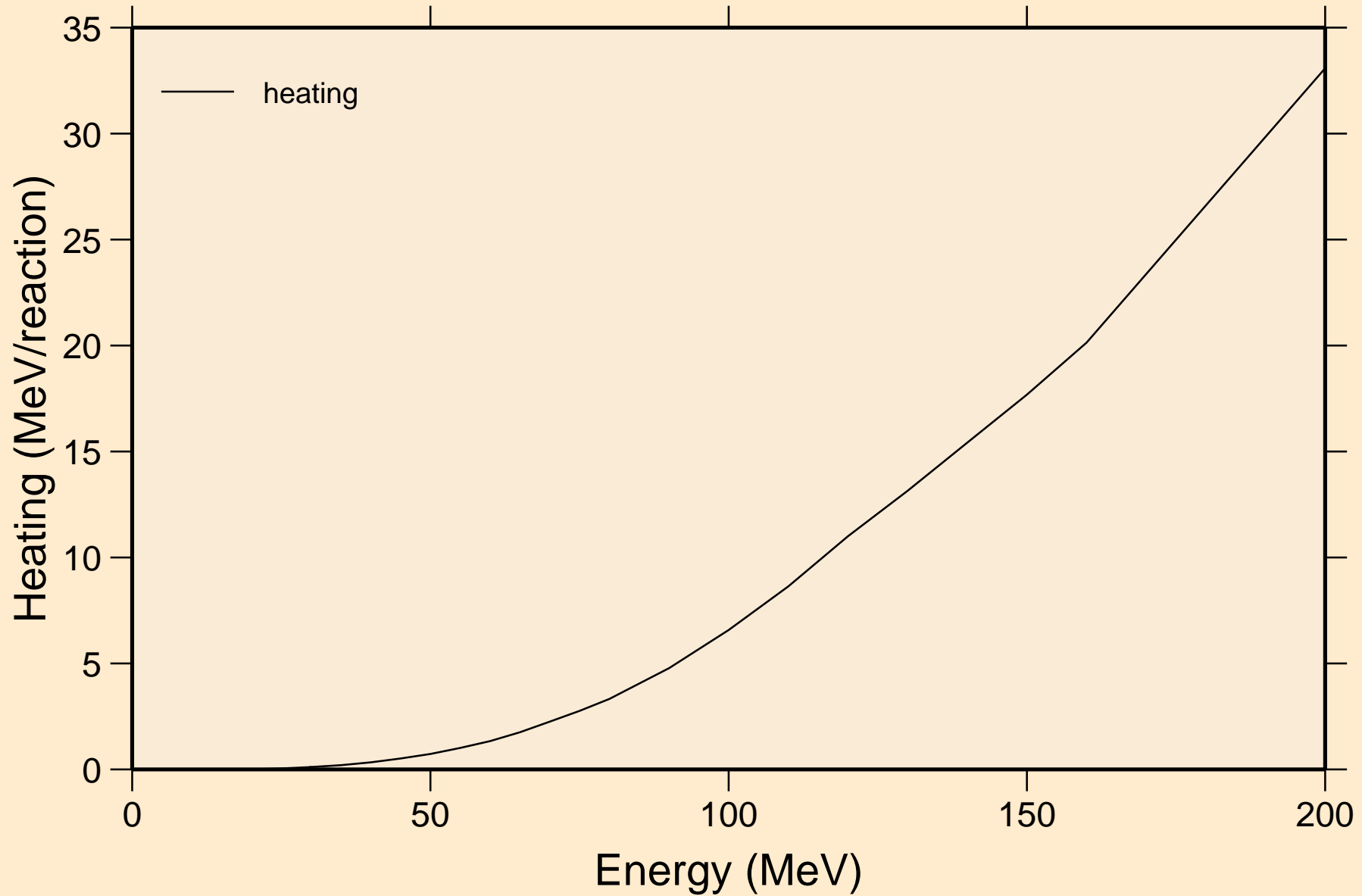
# EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections

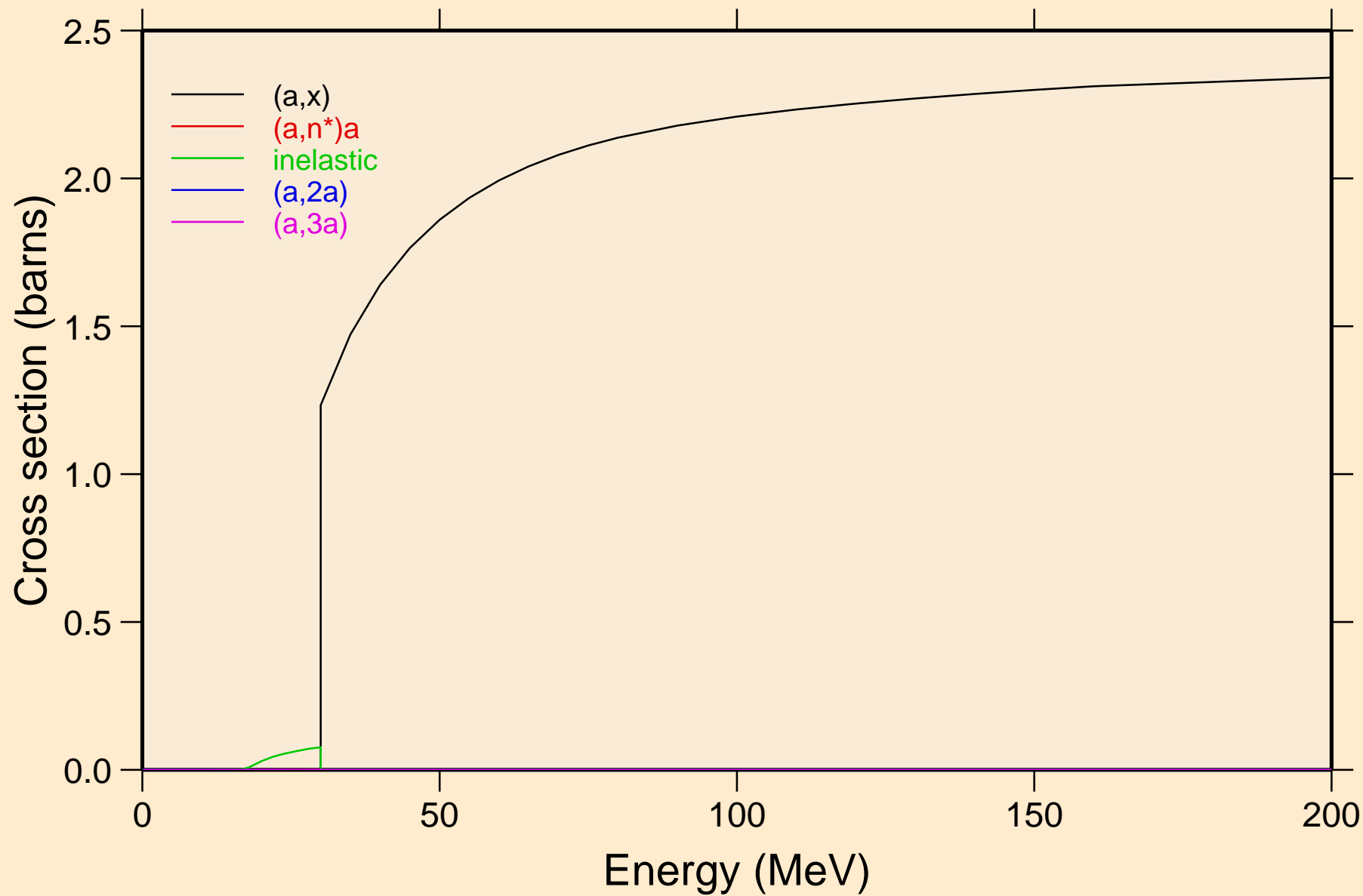


# EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

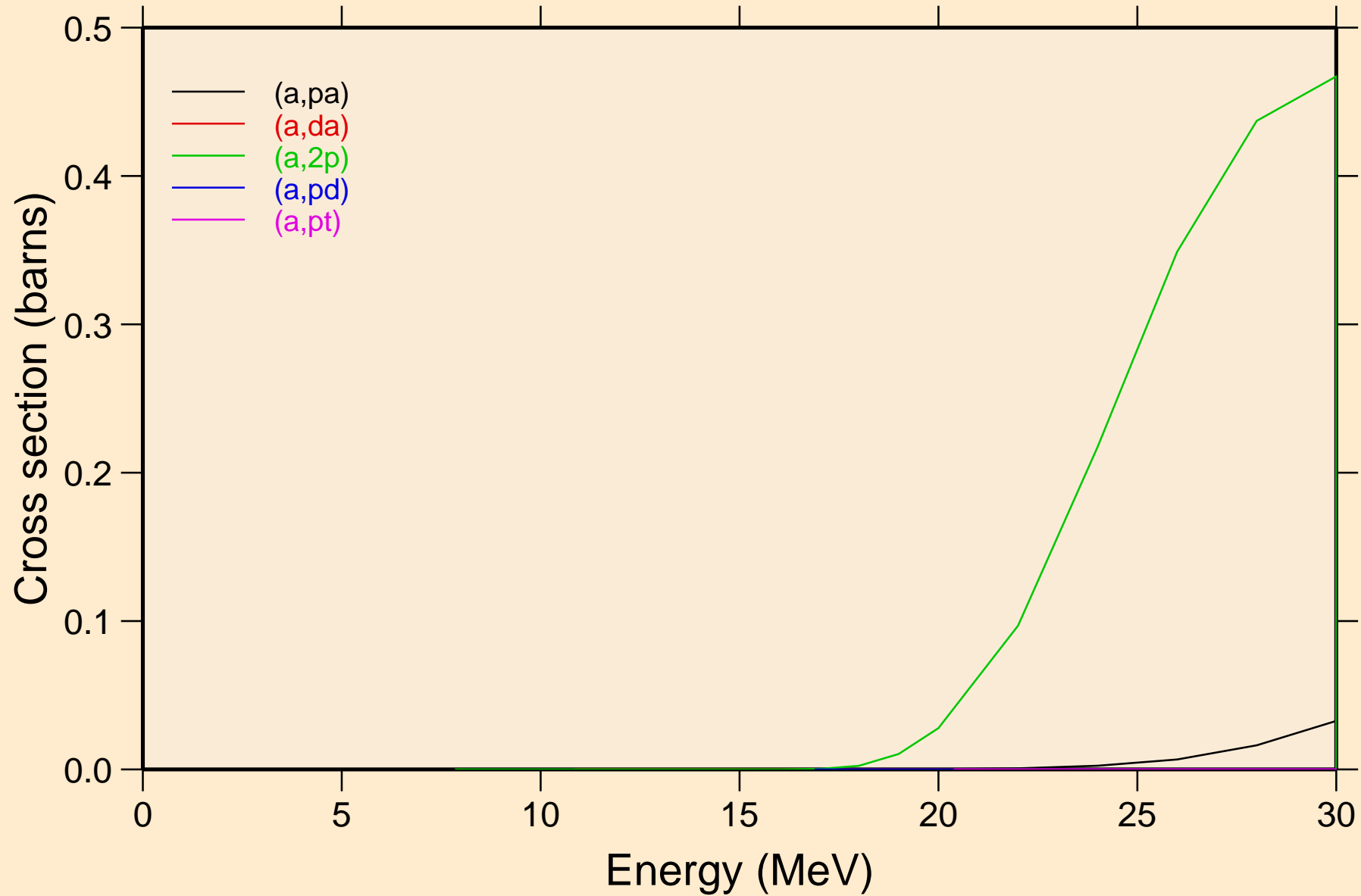
## Heating



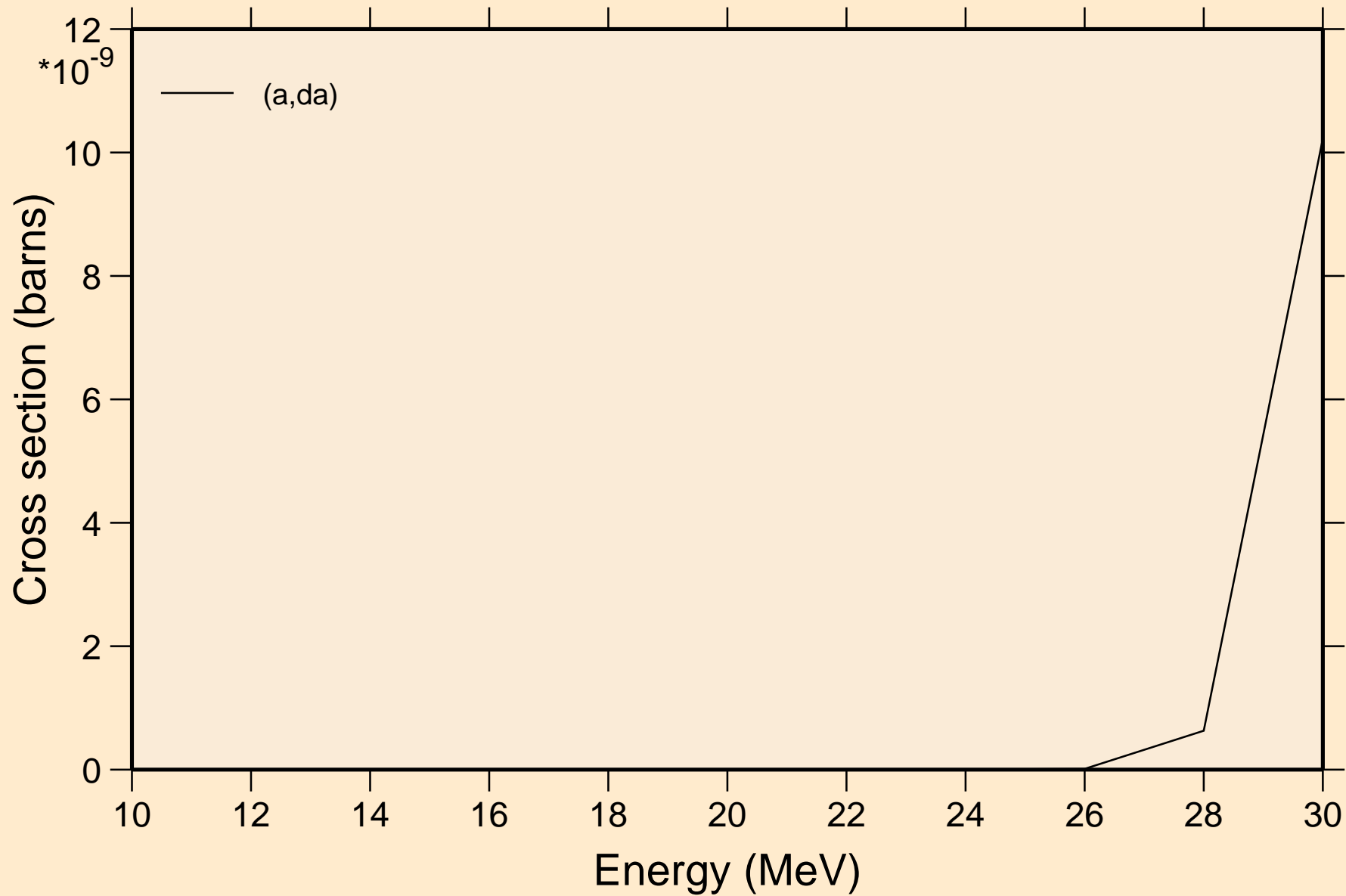
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



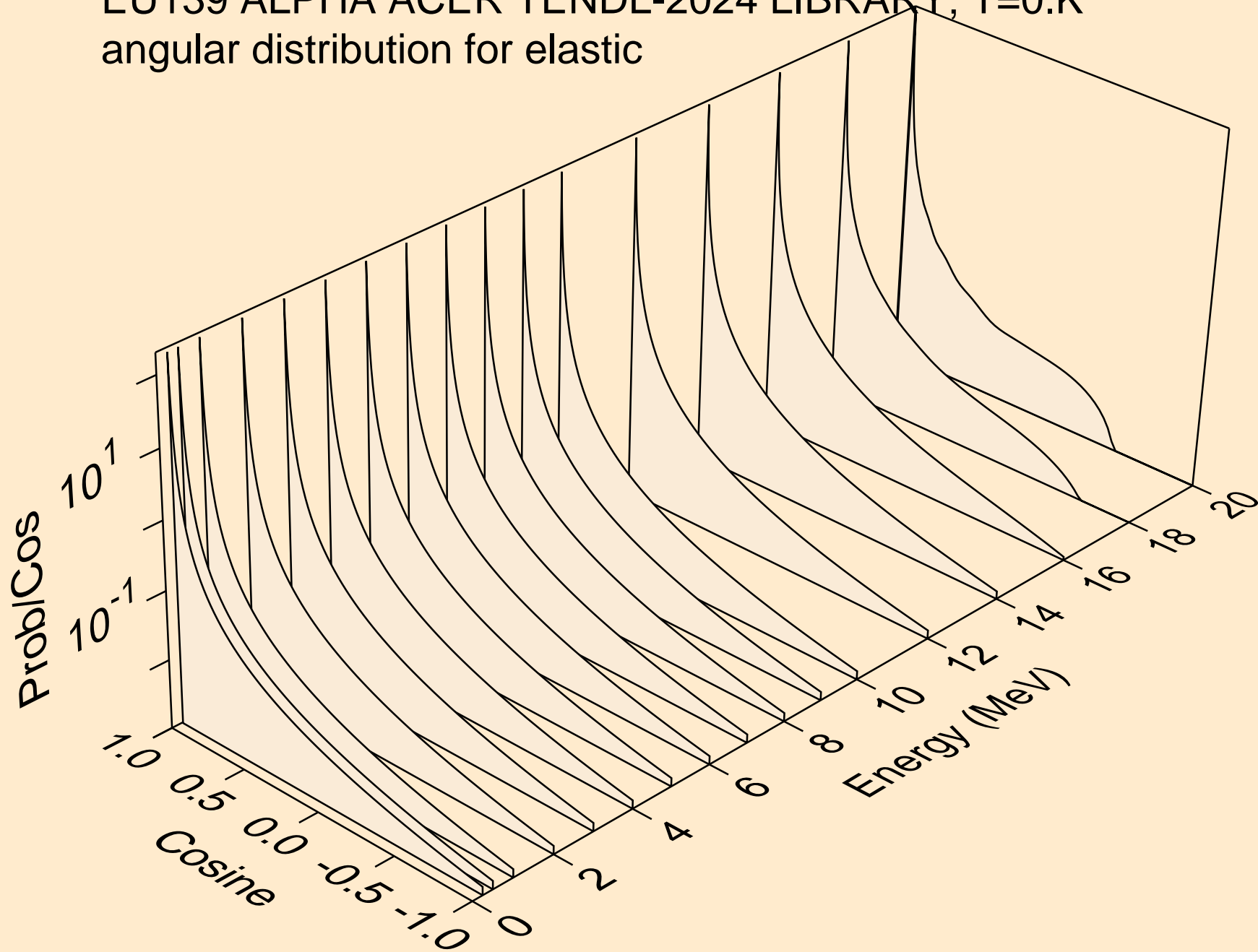
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



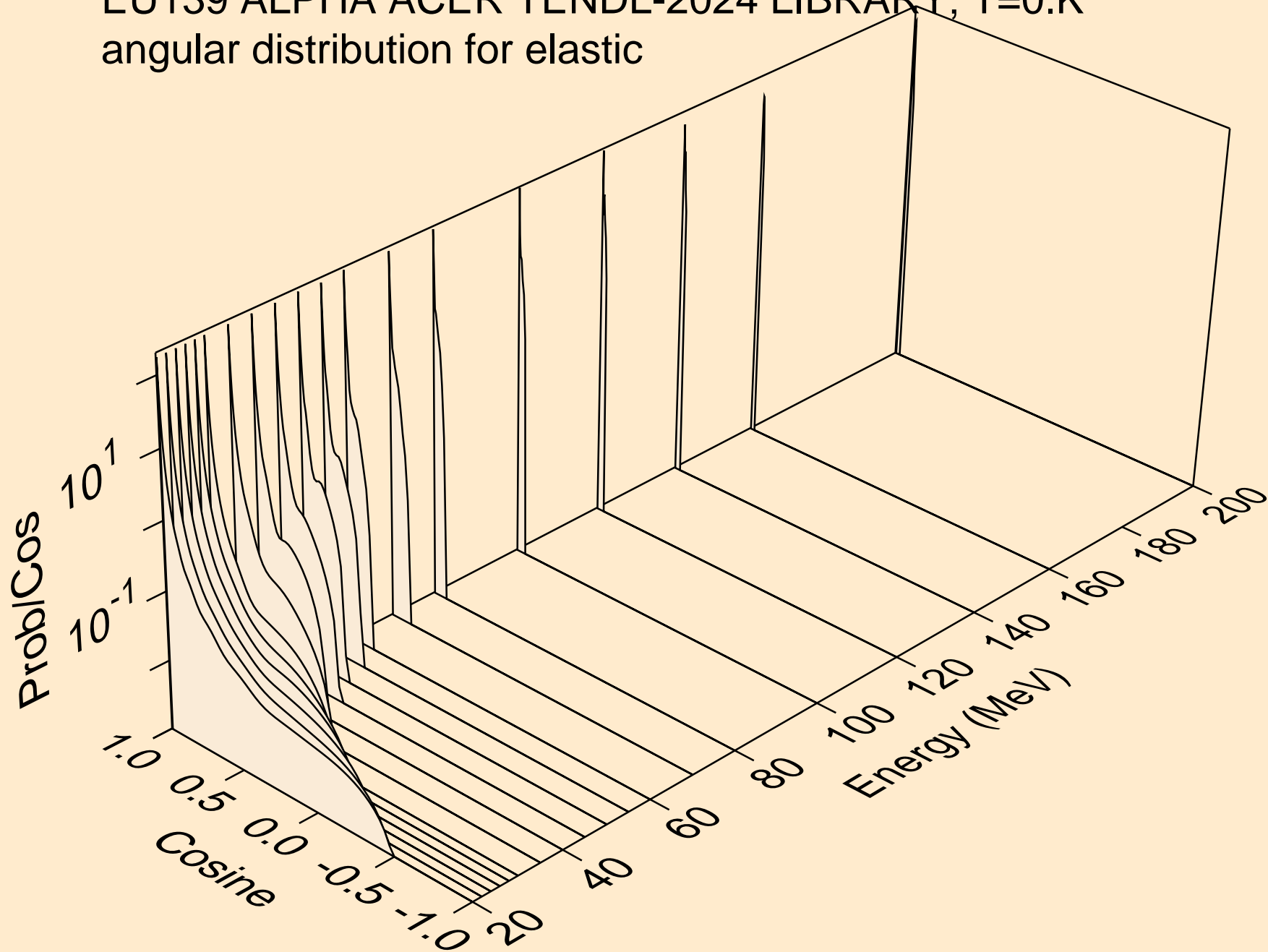
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



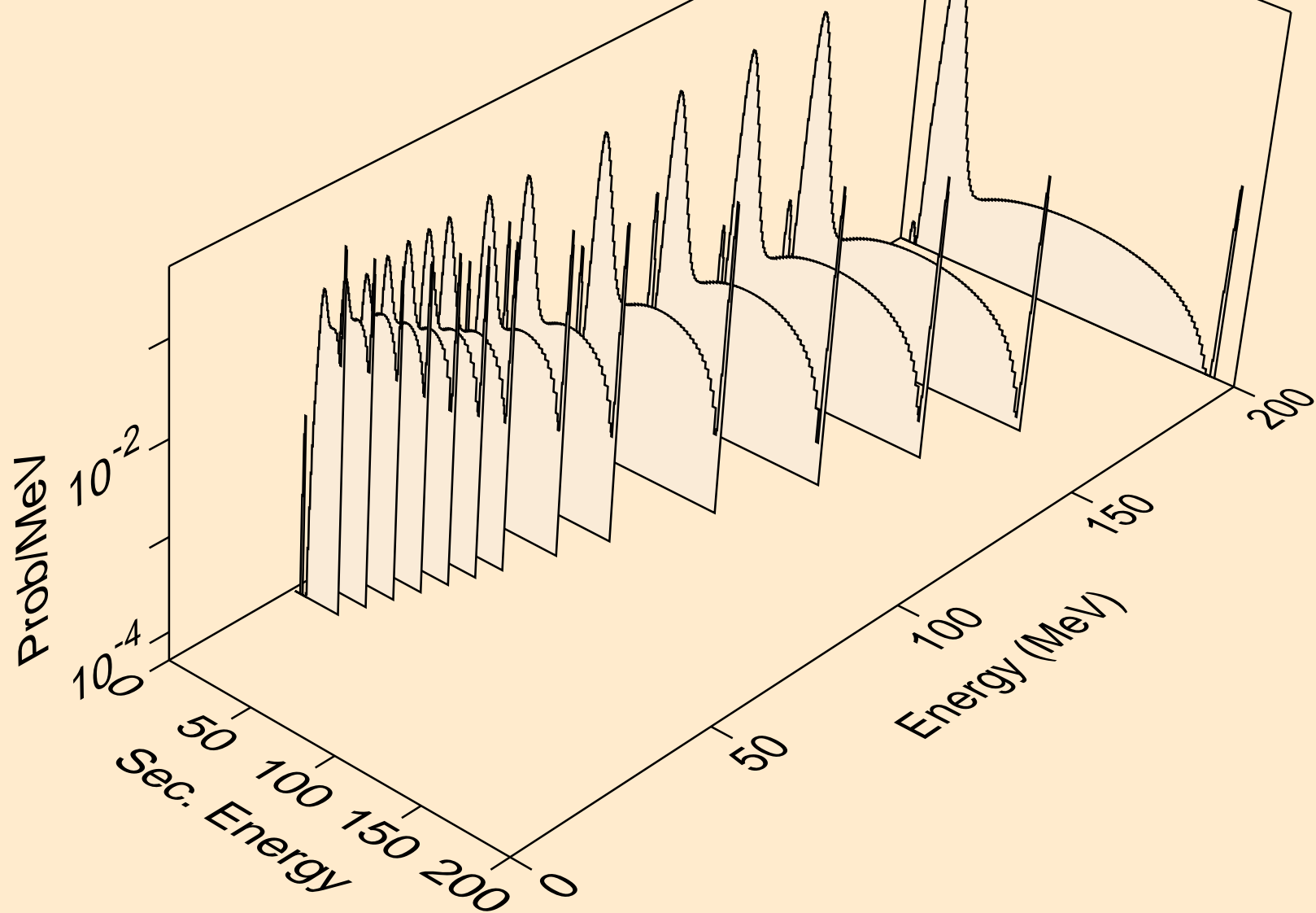
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

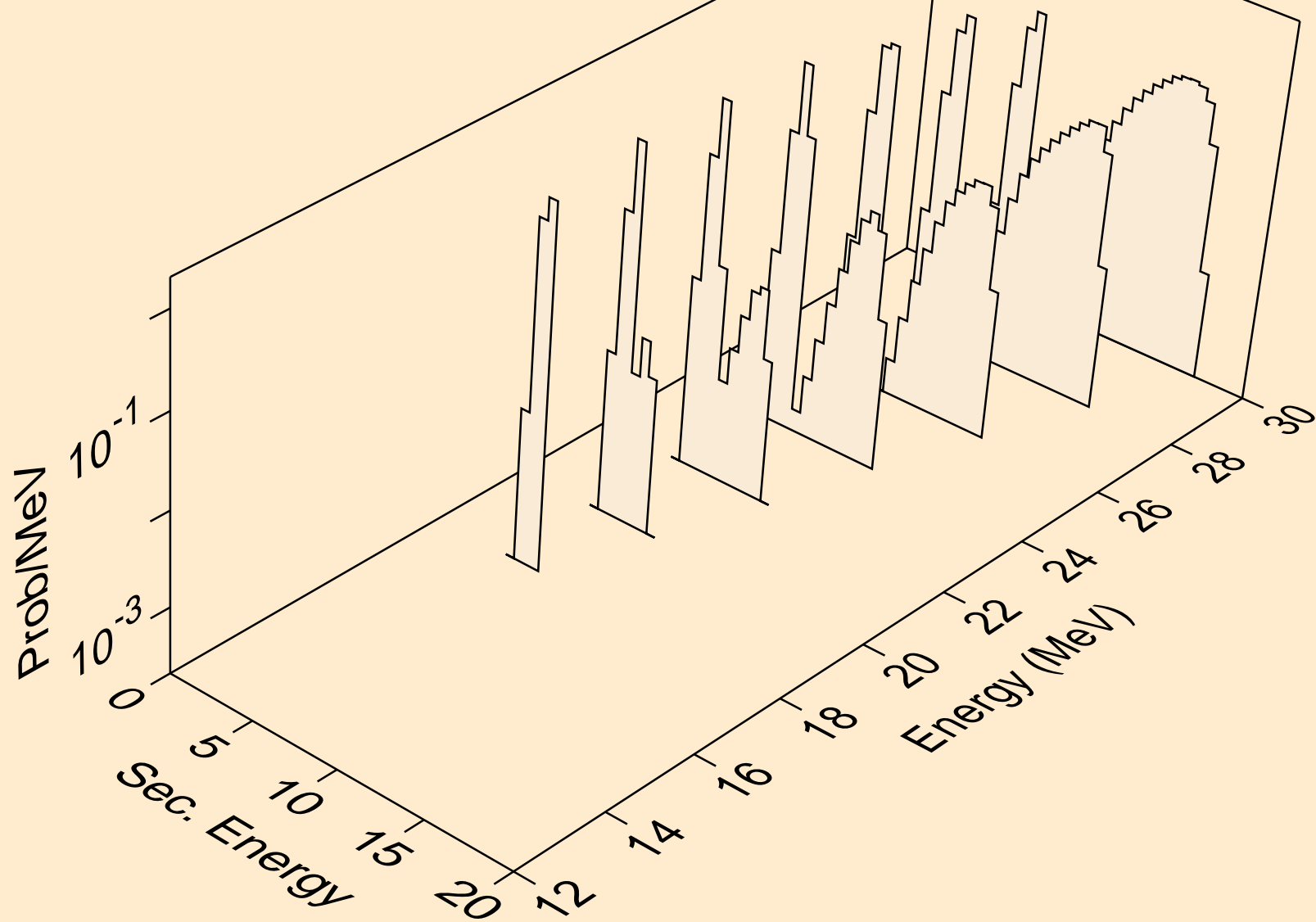


EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Alpha emission for (a,x)

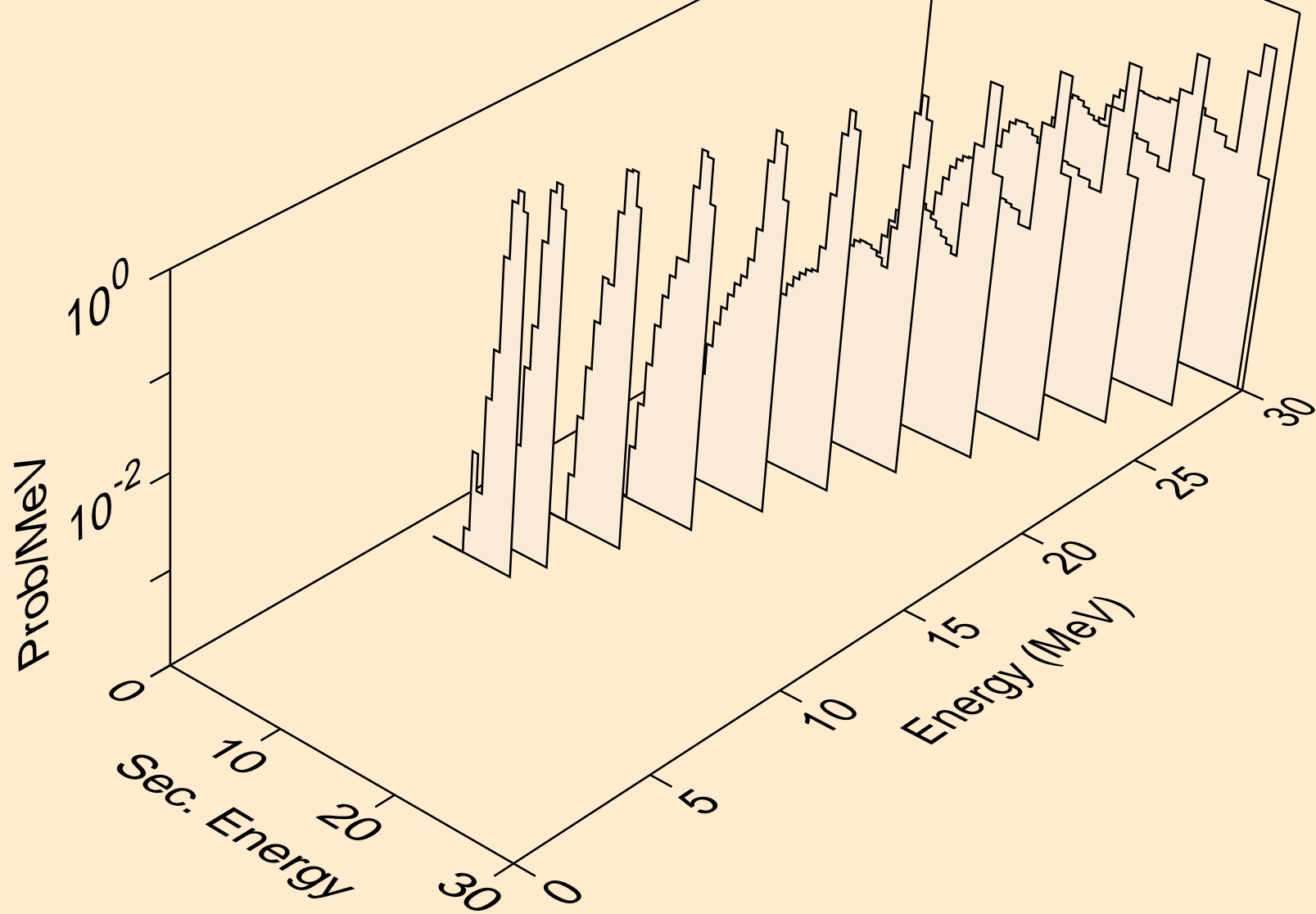


# EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

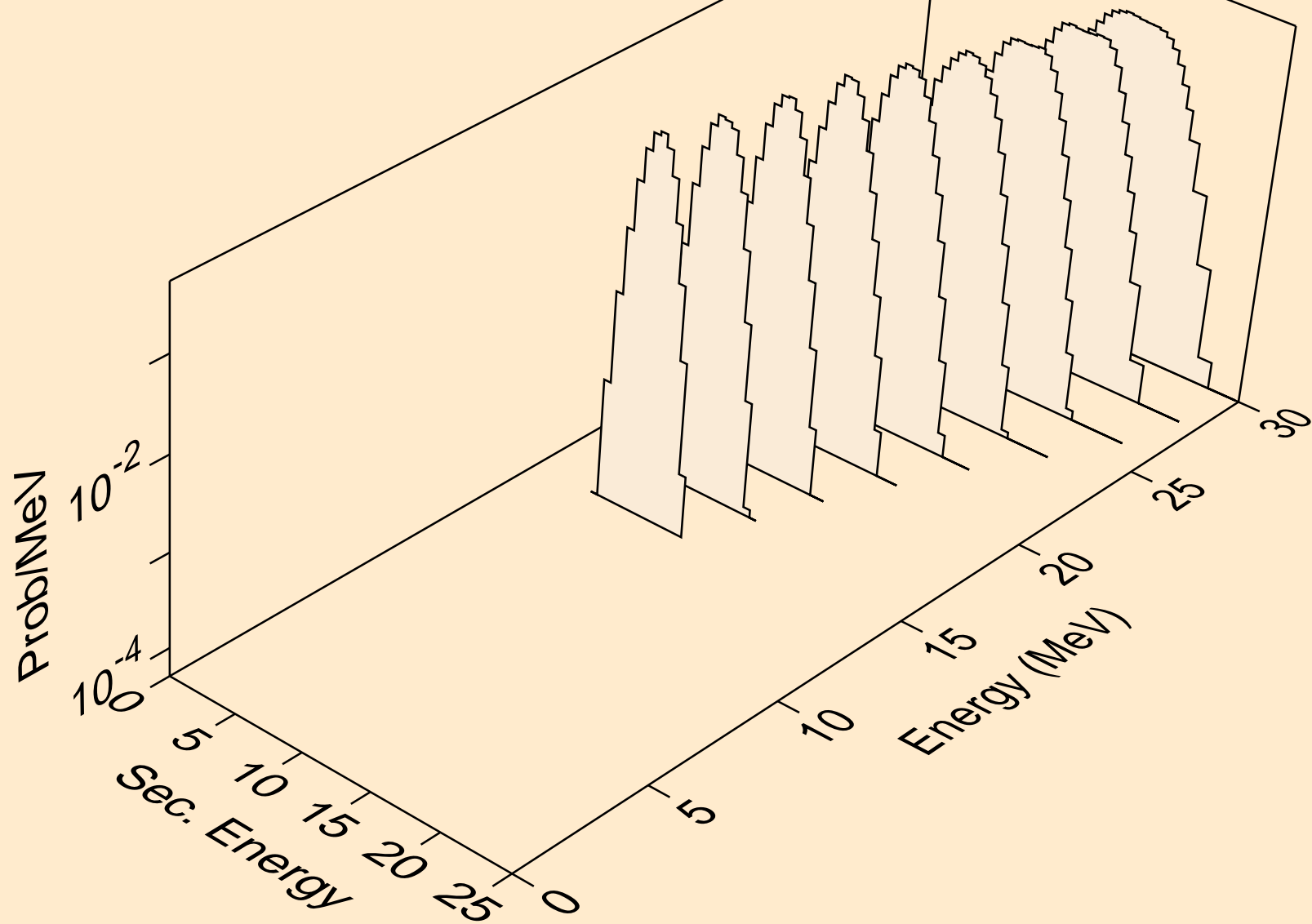
Alpha emission for (a,n\*)a



EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Alpha emission for inelastic

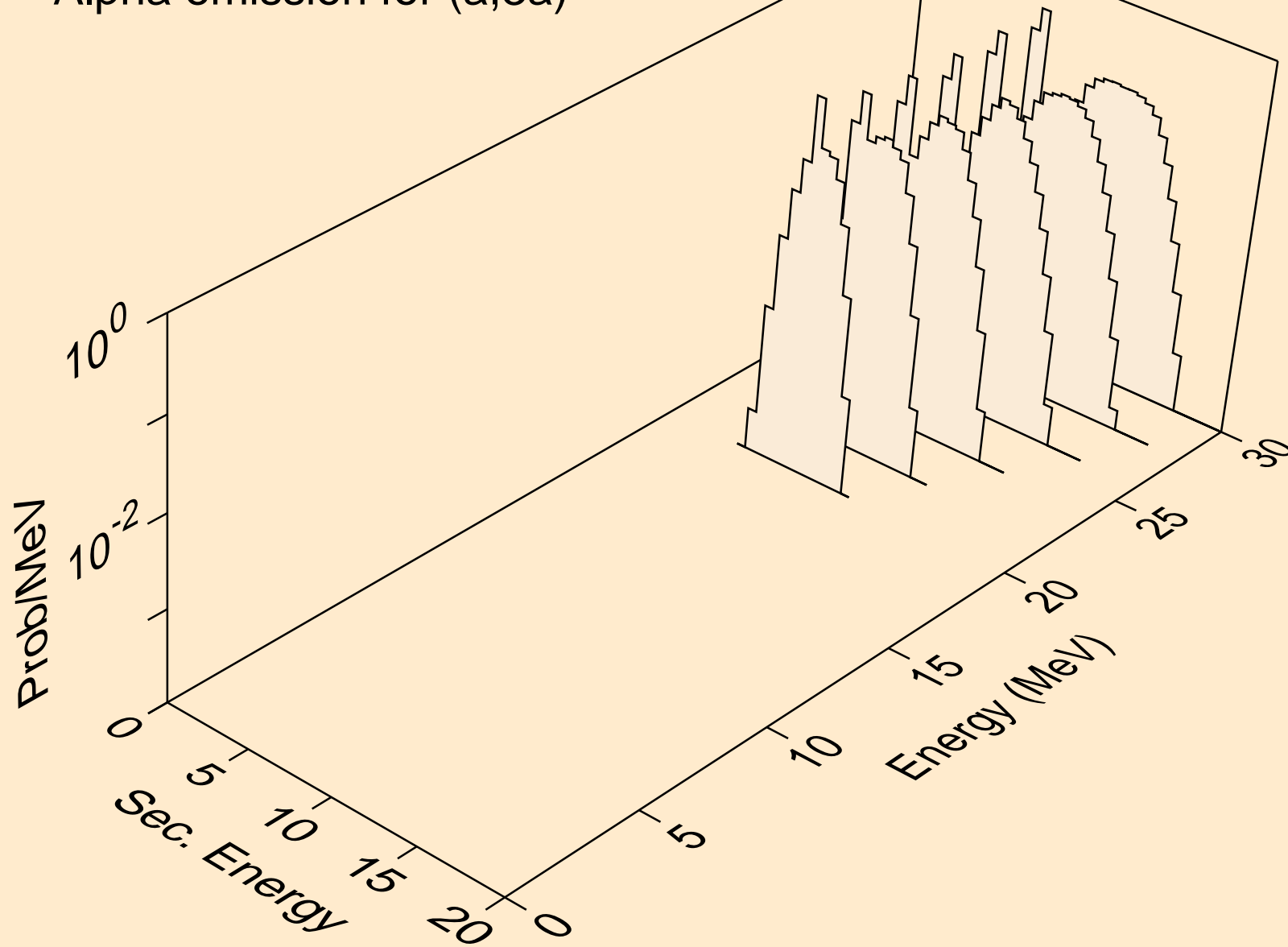


EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Alpha emission for (a,2a)

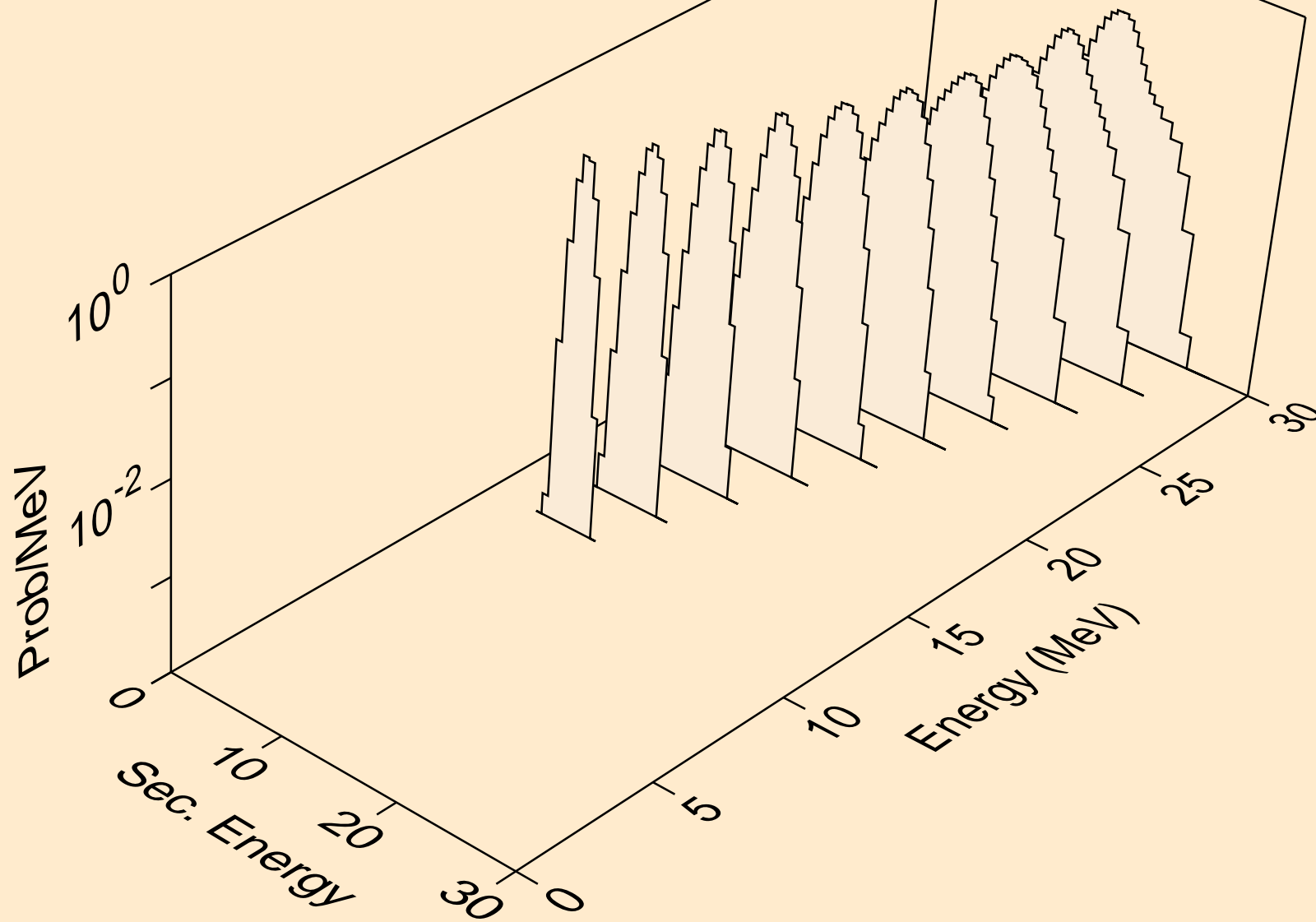


# EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

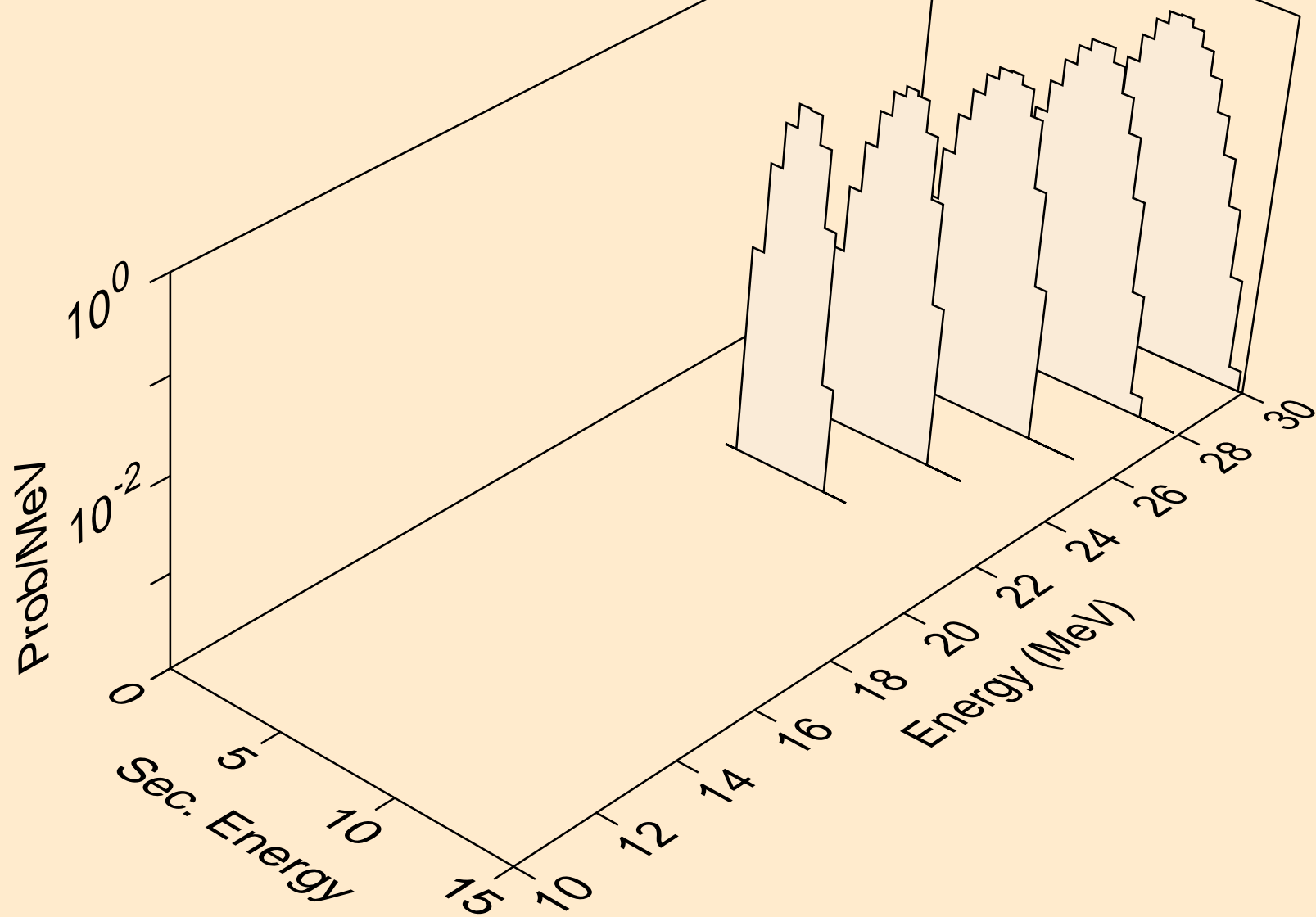
Alpha emission for (a,3a)



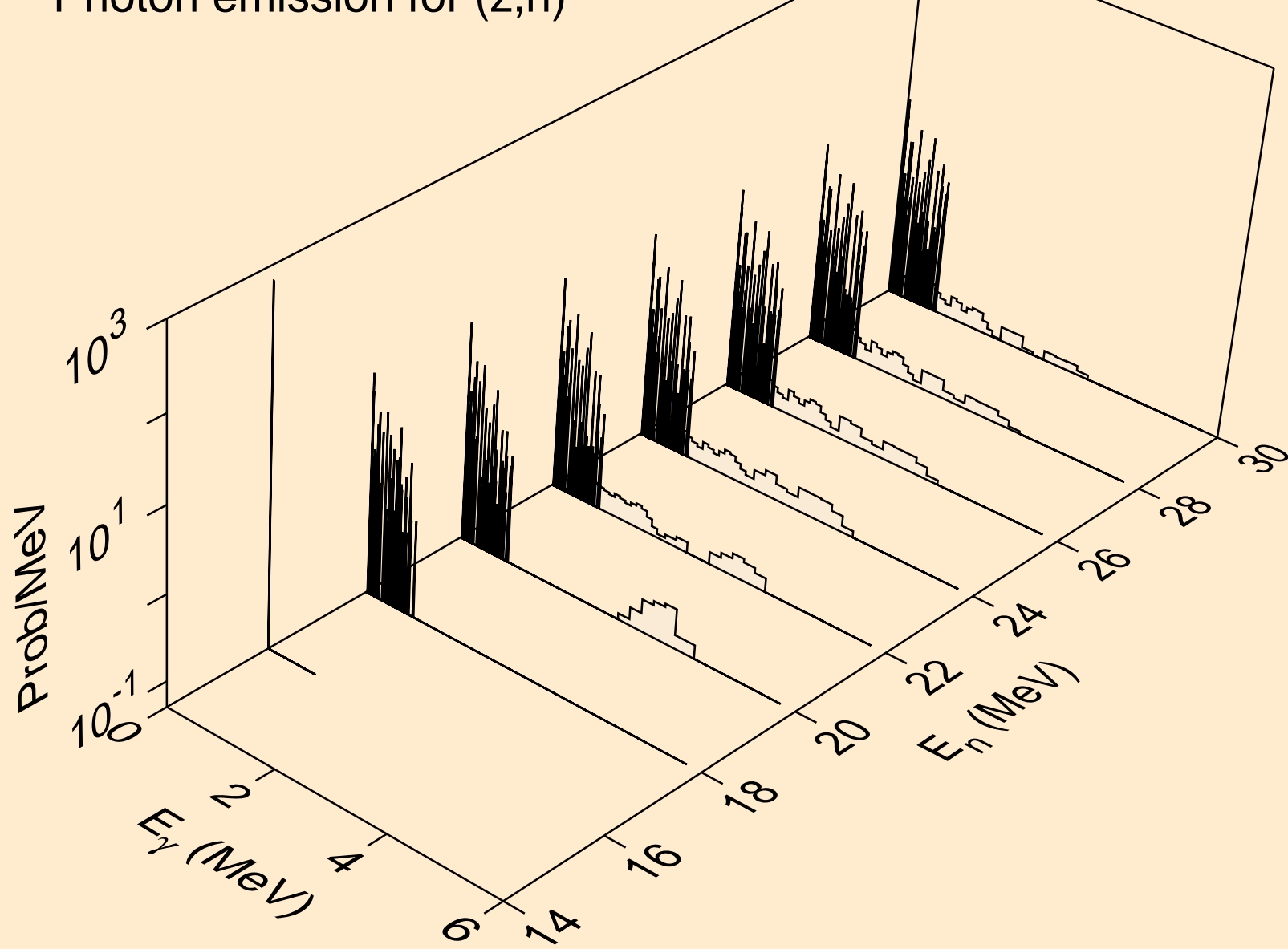
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Alpha emission for (a,pa)



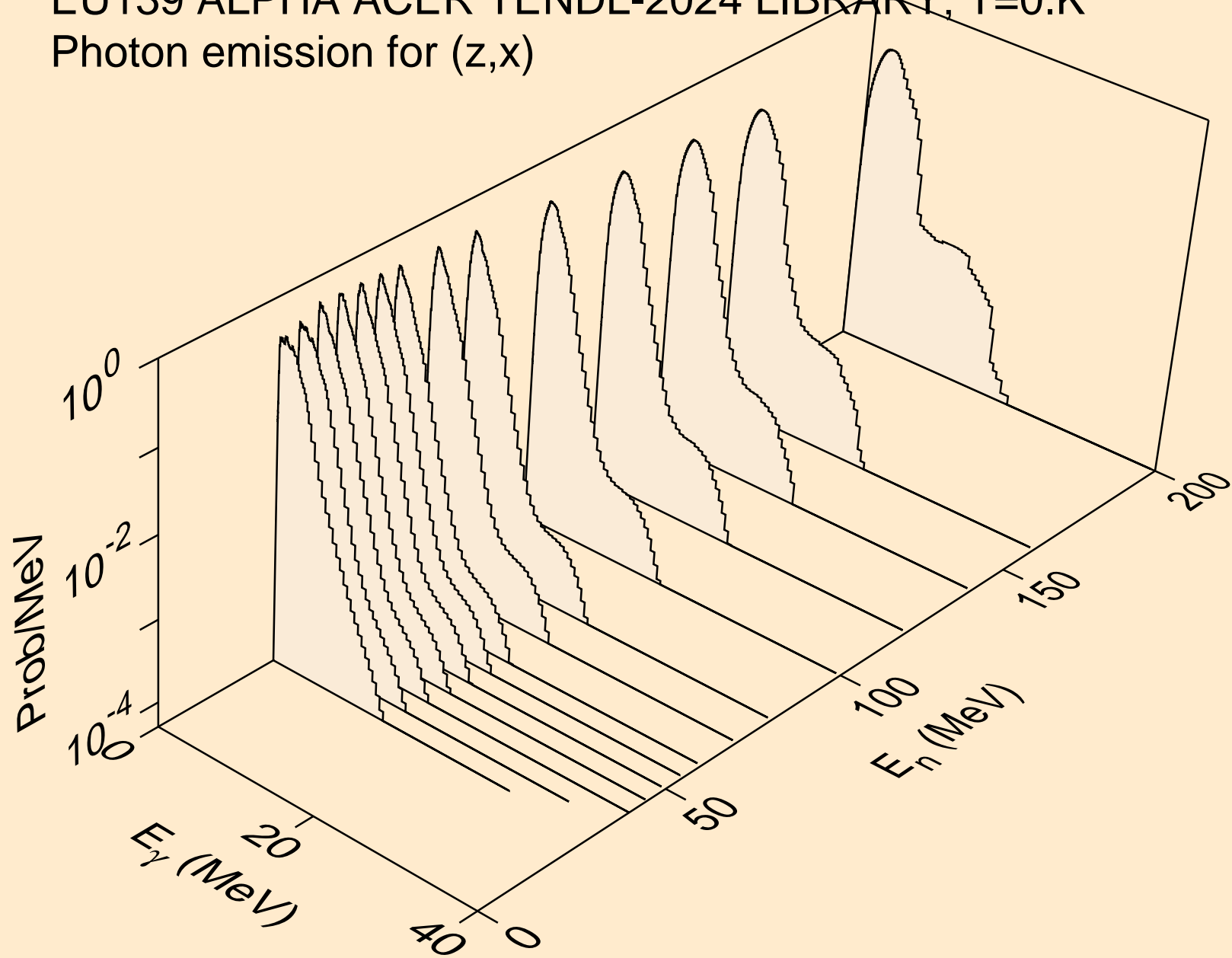
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Alpha emission for (a,da)



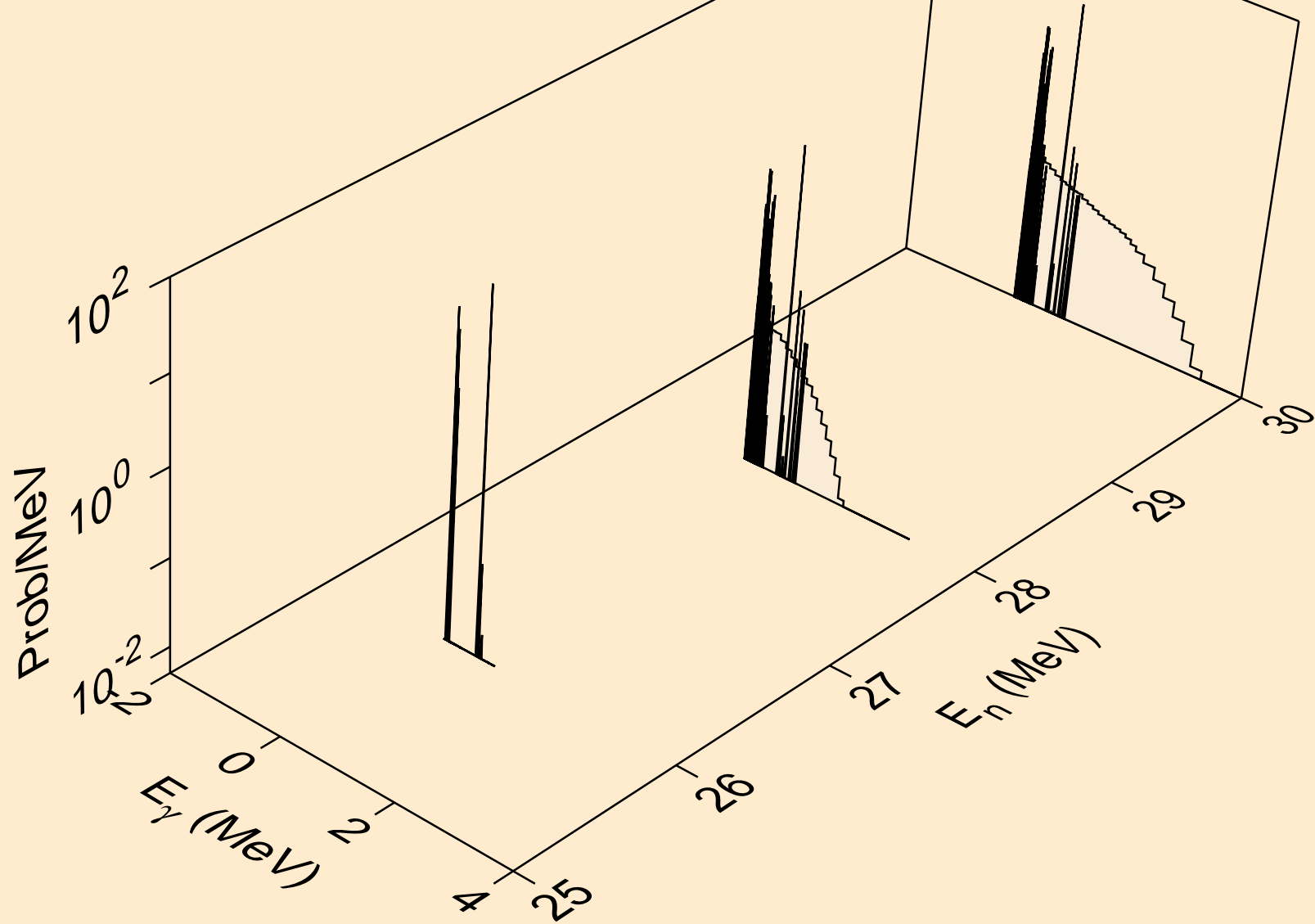
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,n)



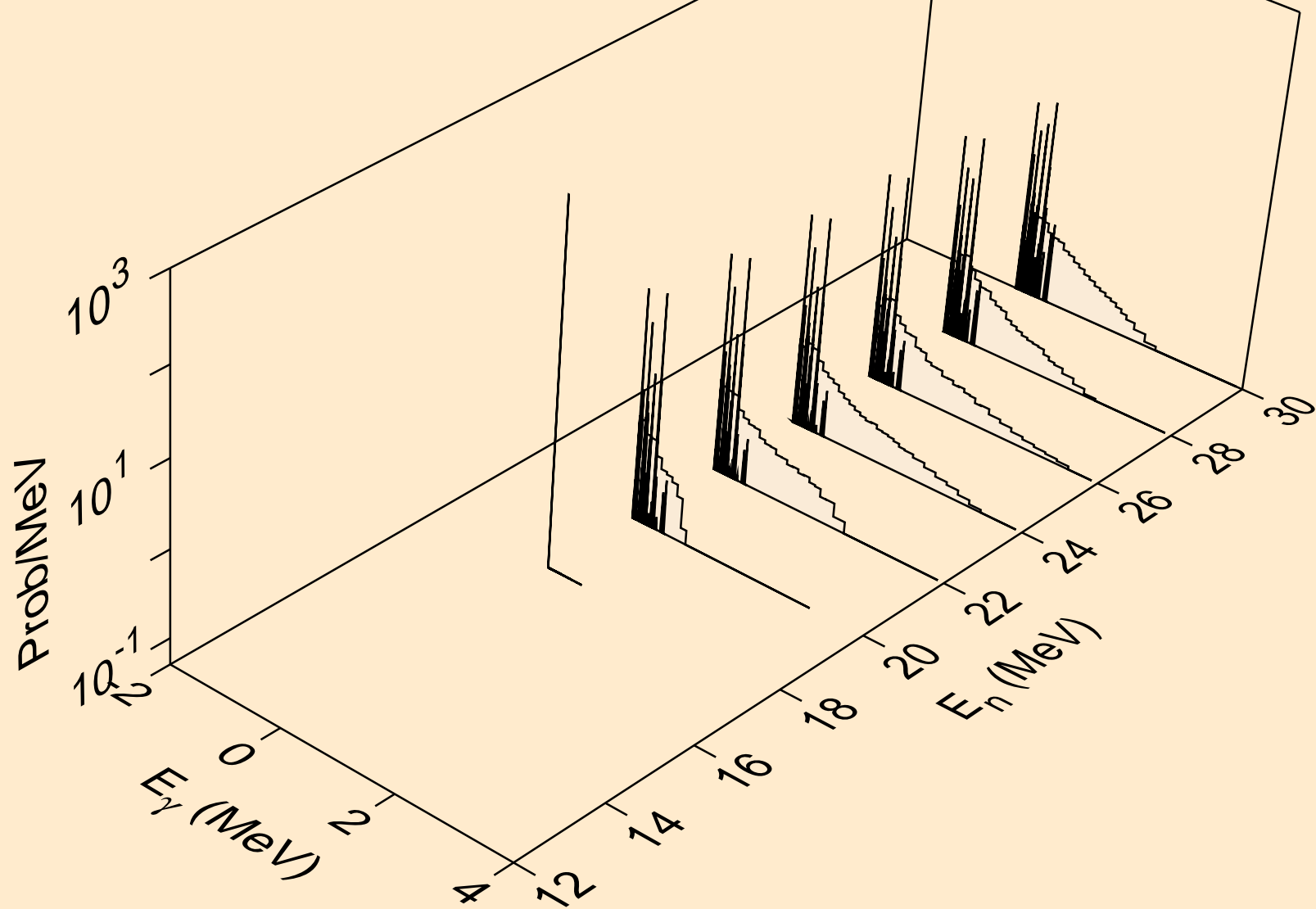
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,x)



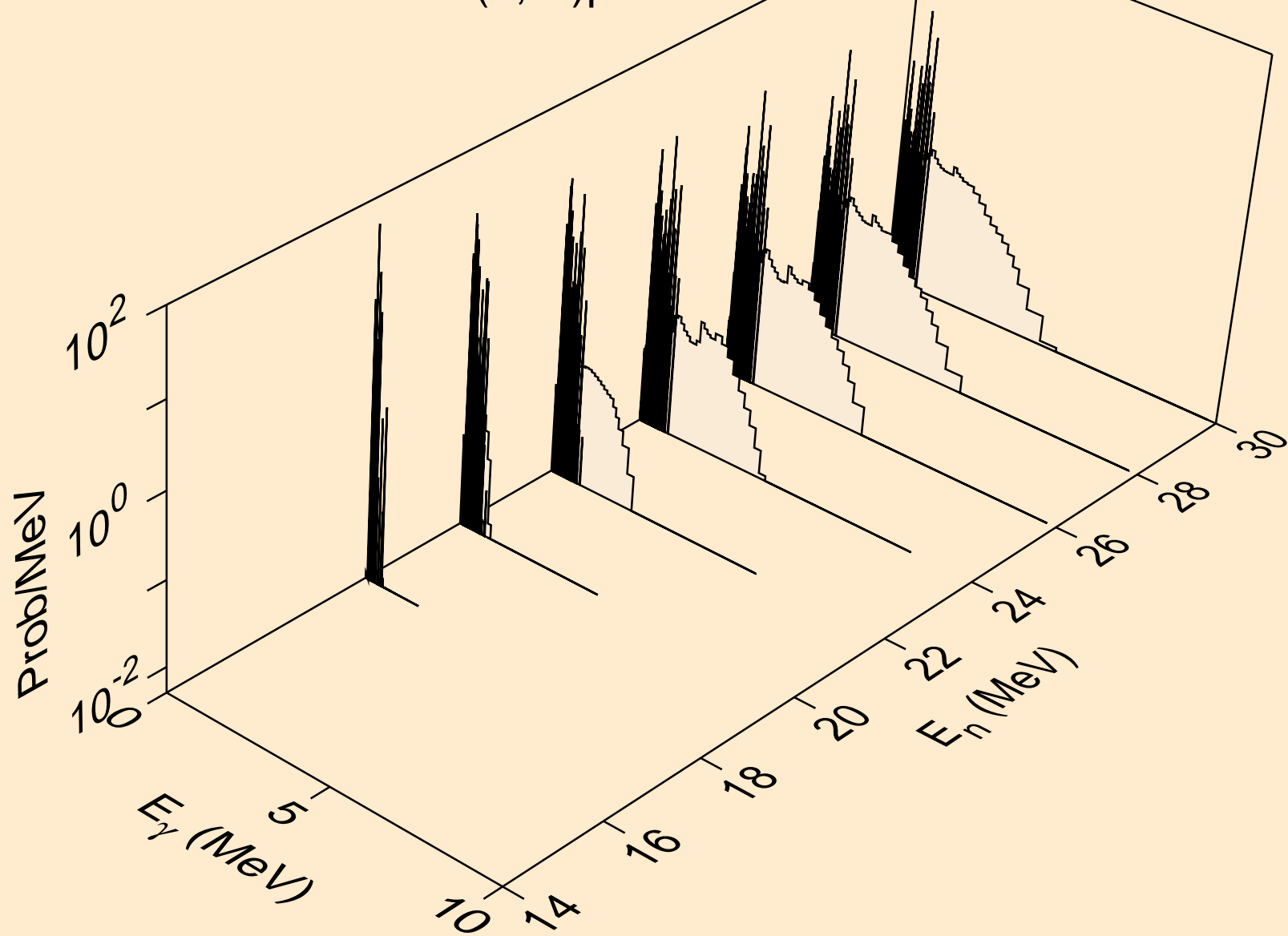
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



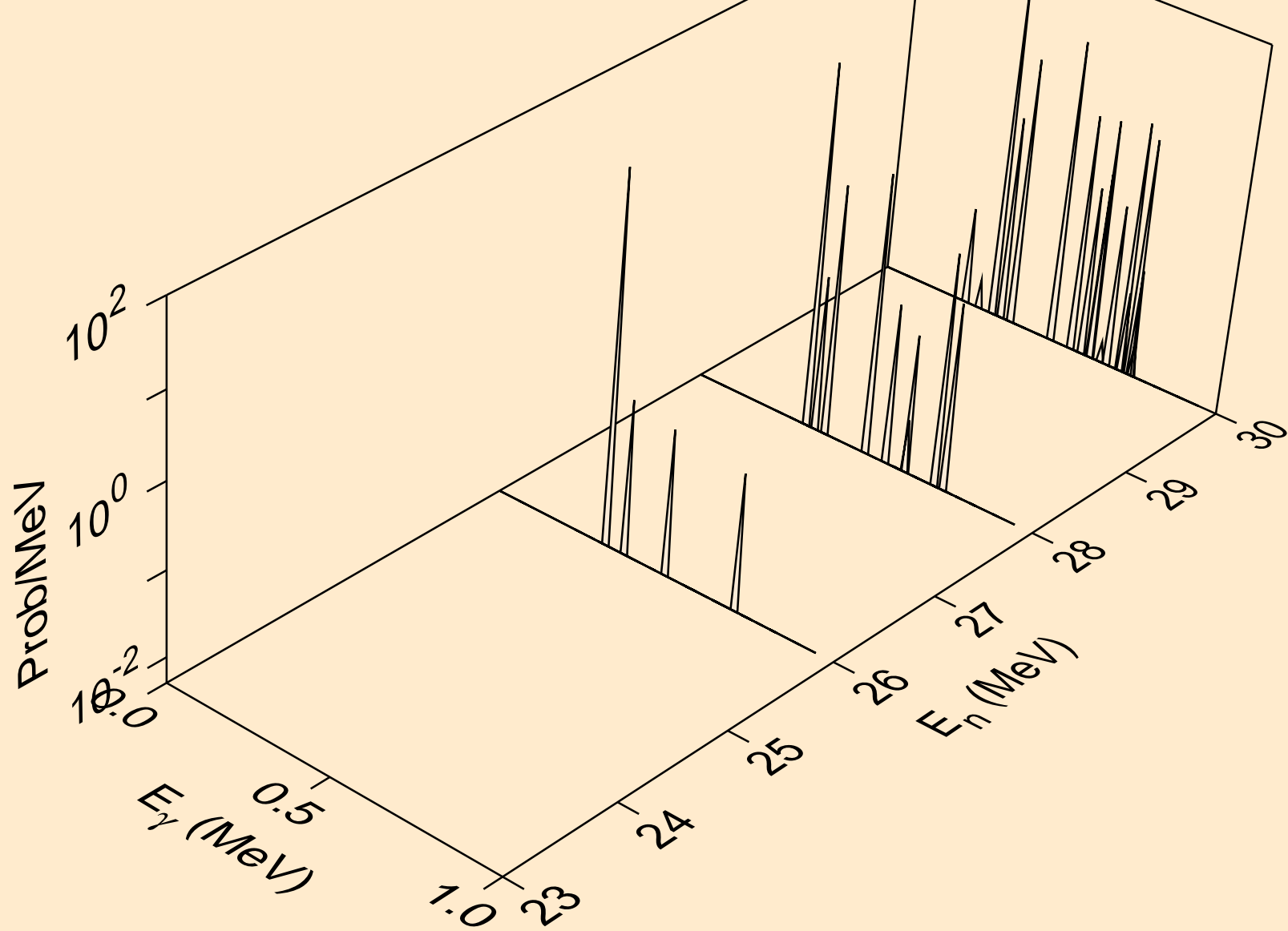
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



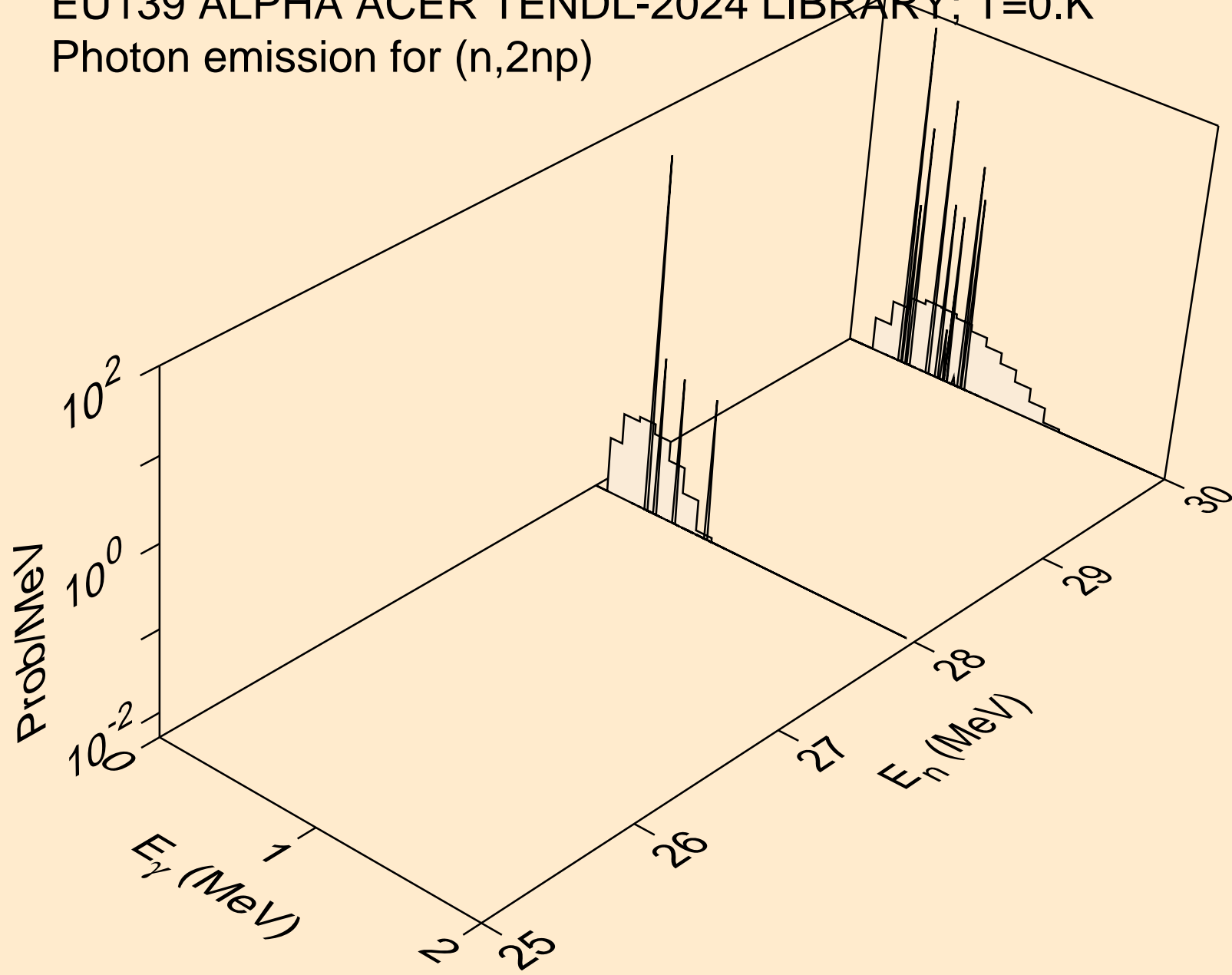
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



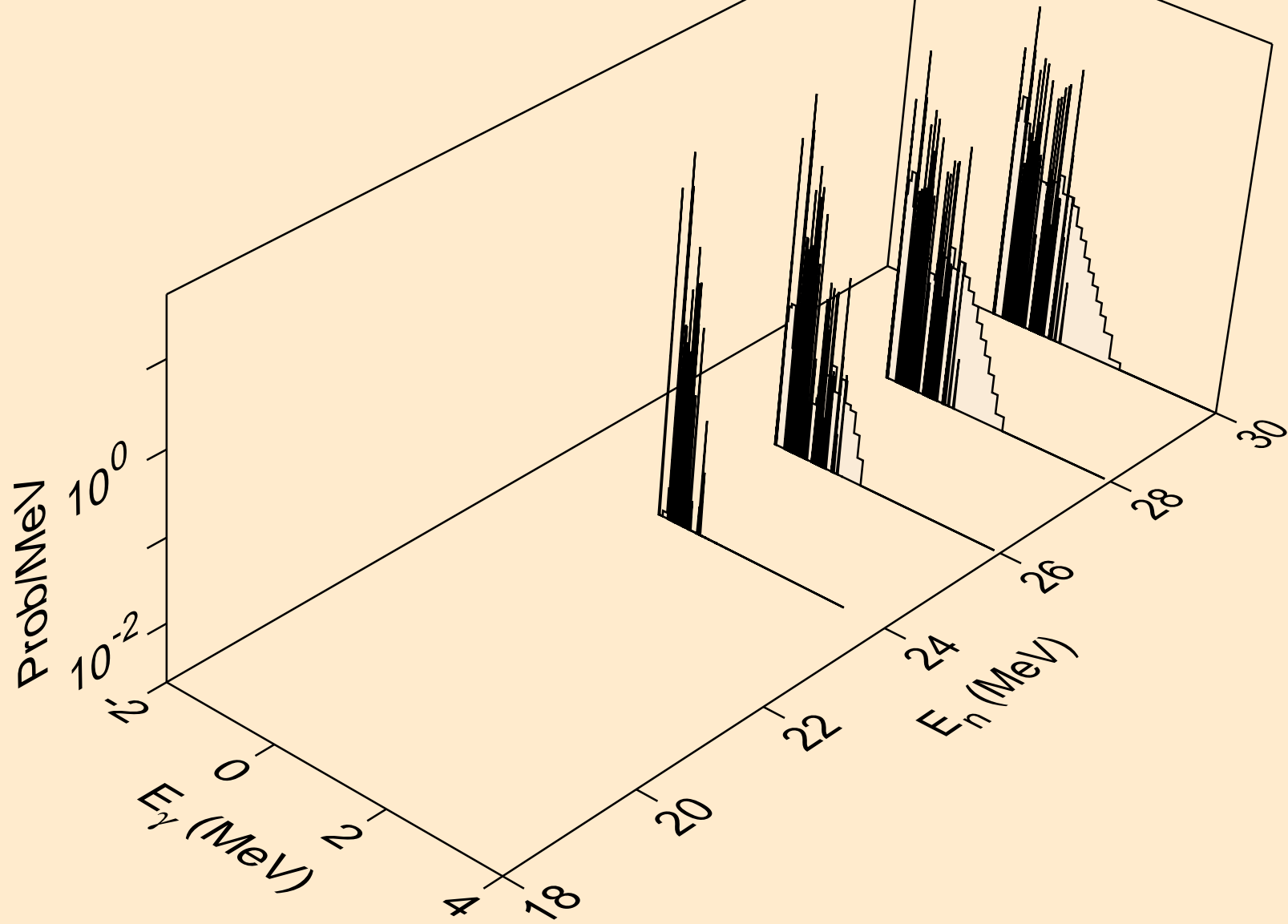
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



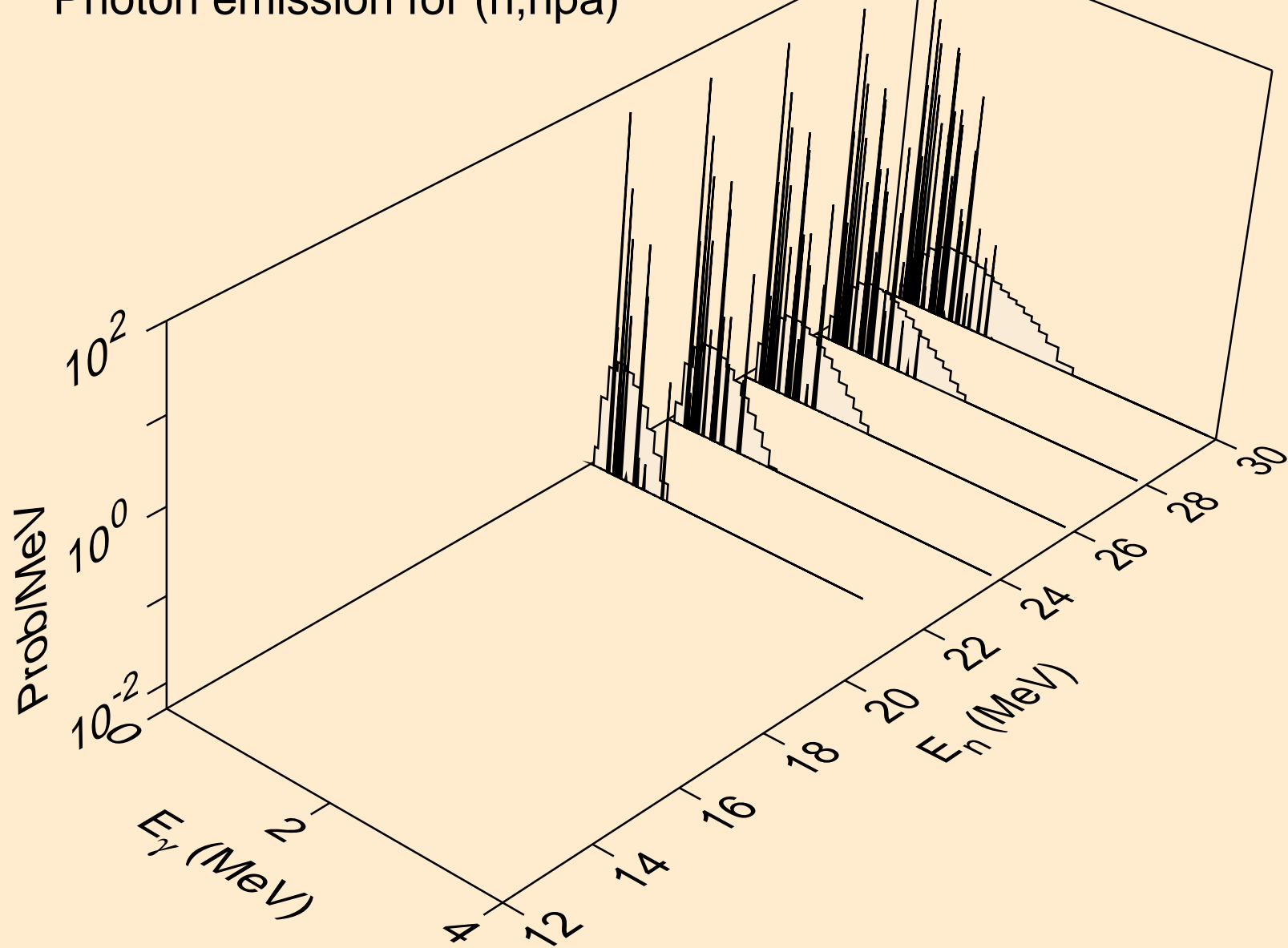
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



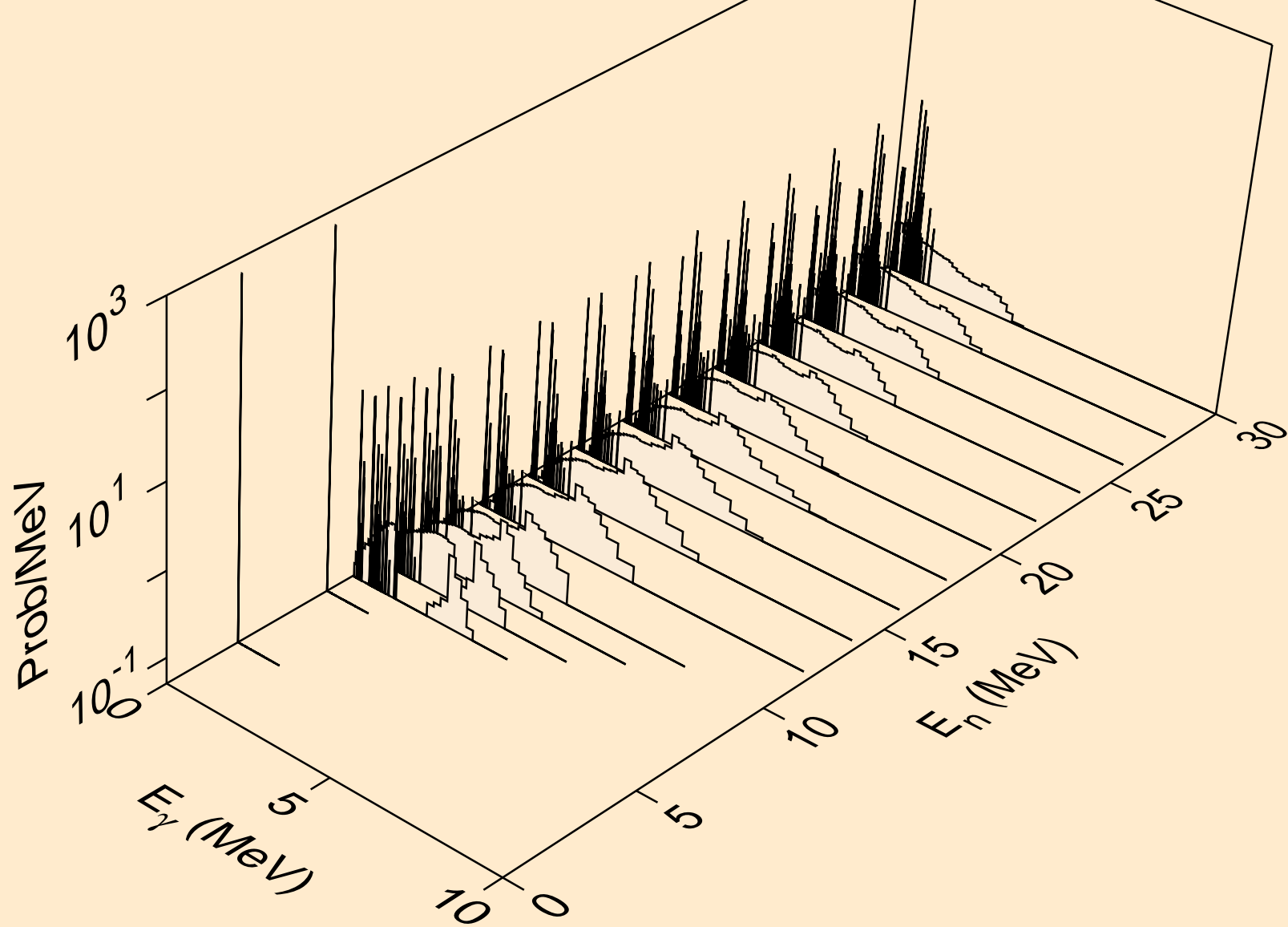
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



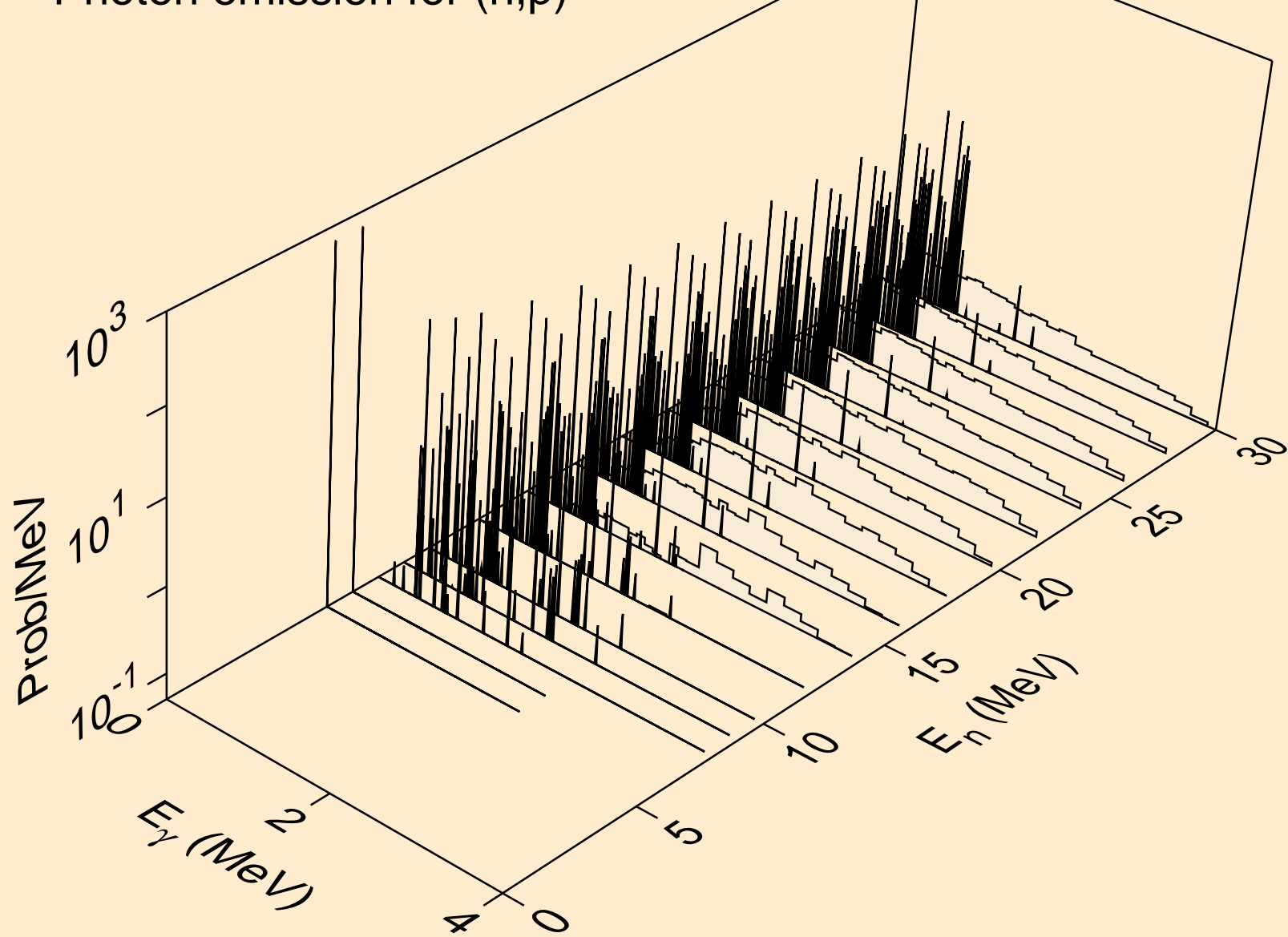
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



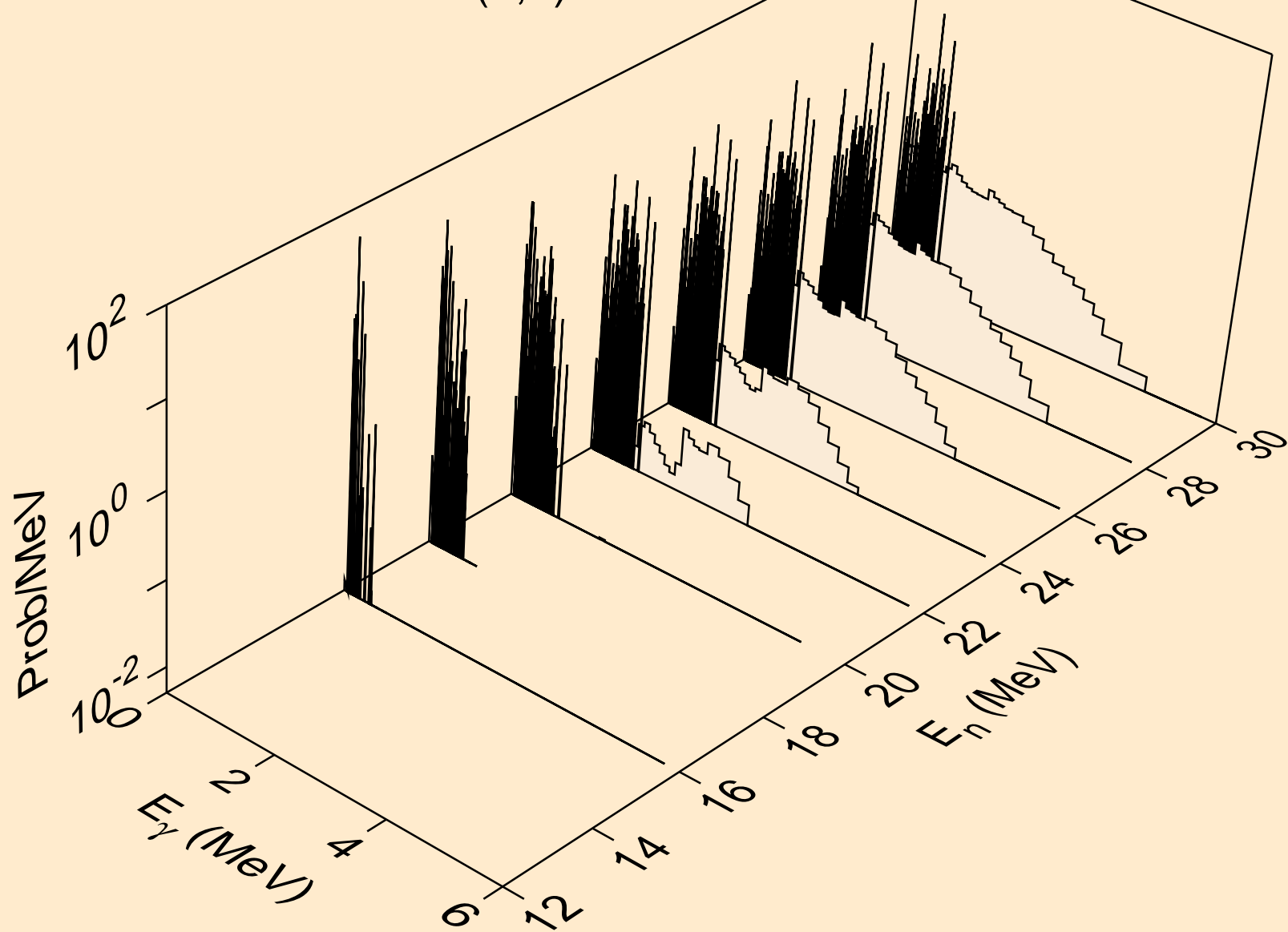
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



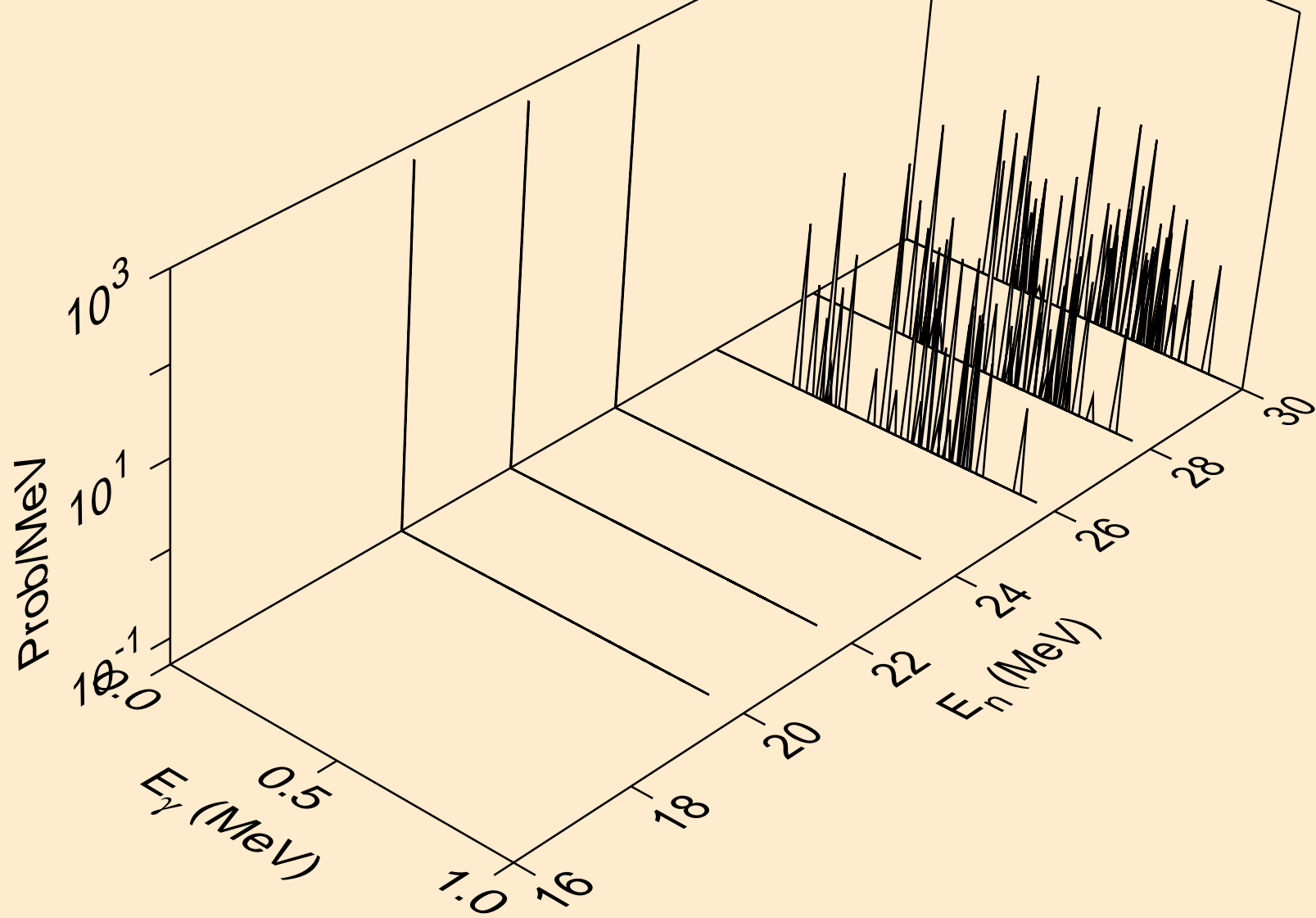
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



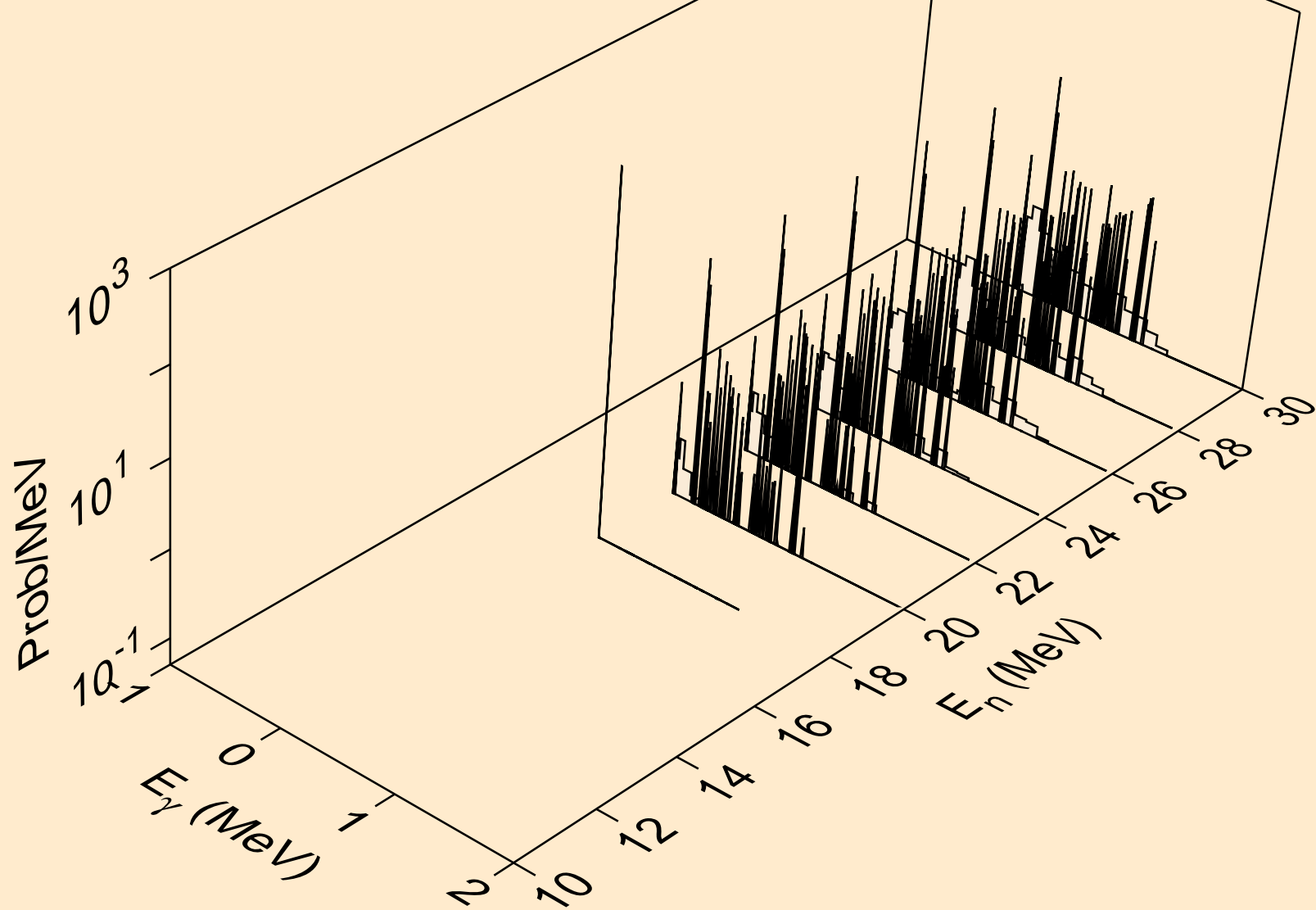
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



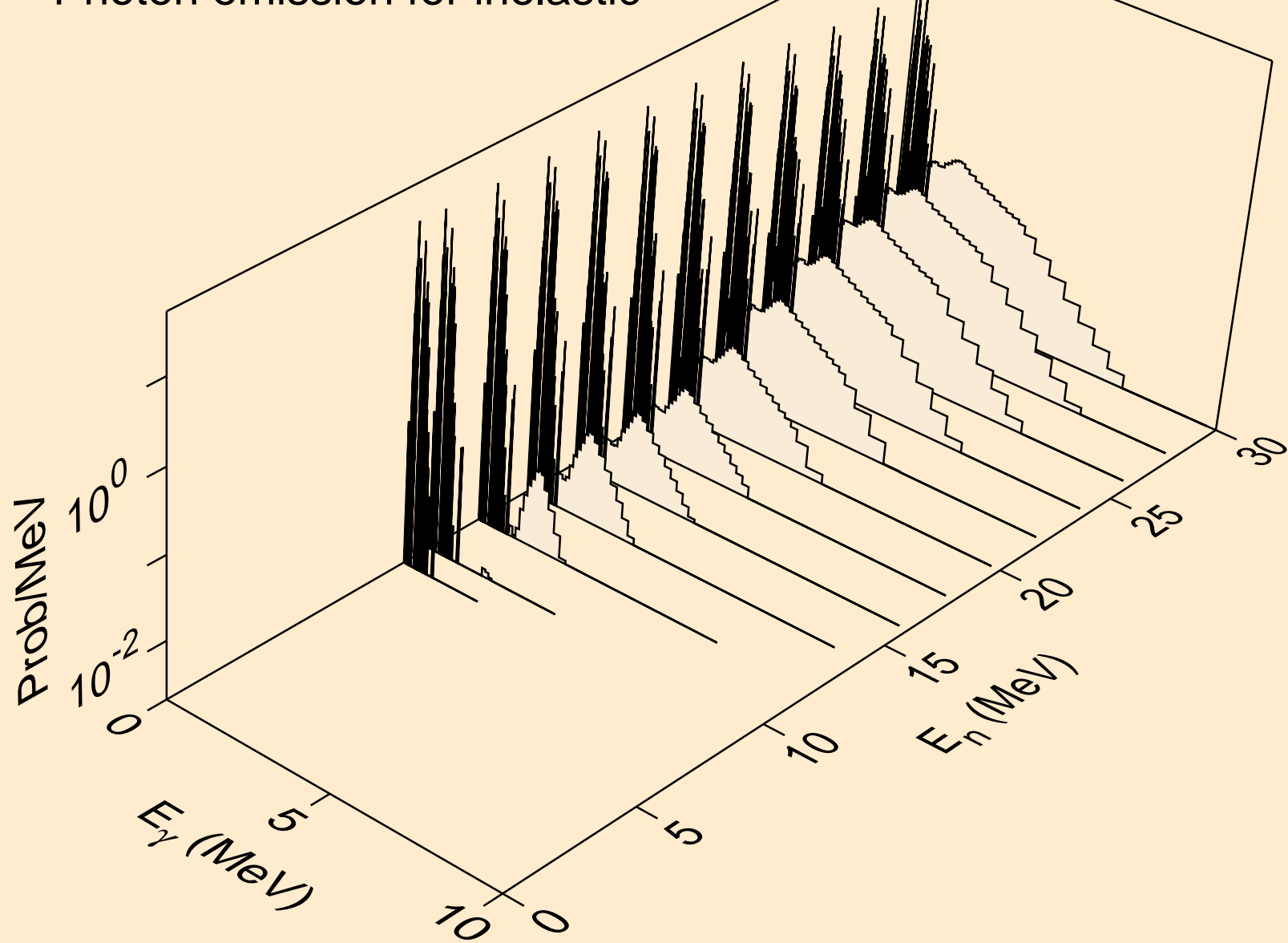
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



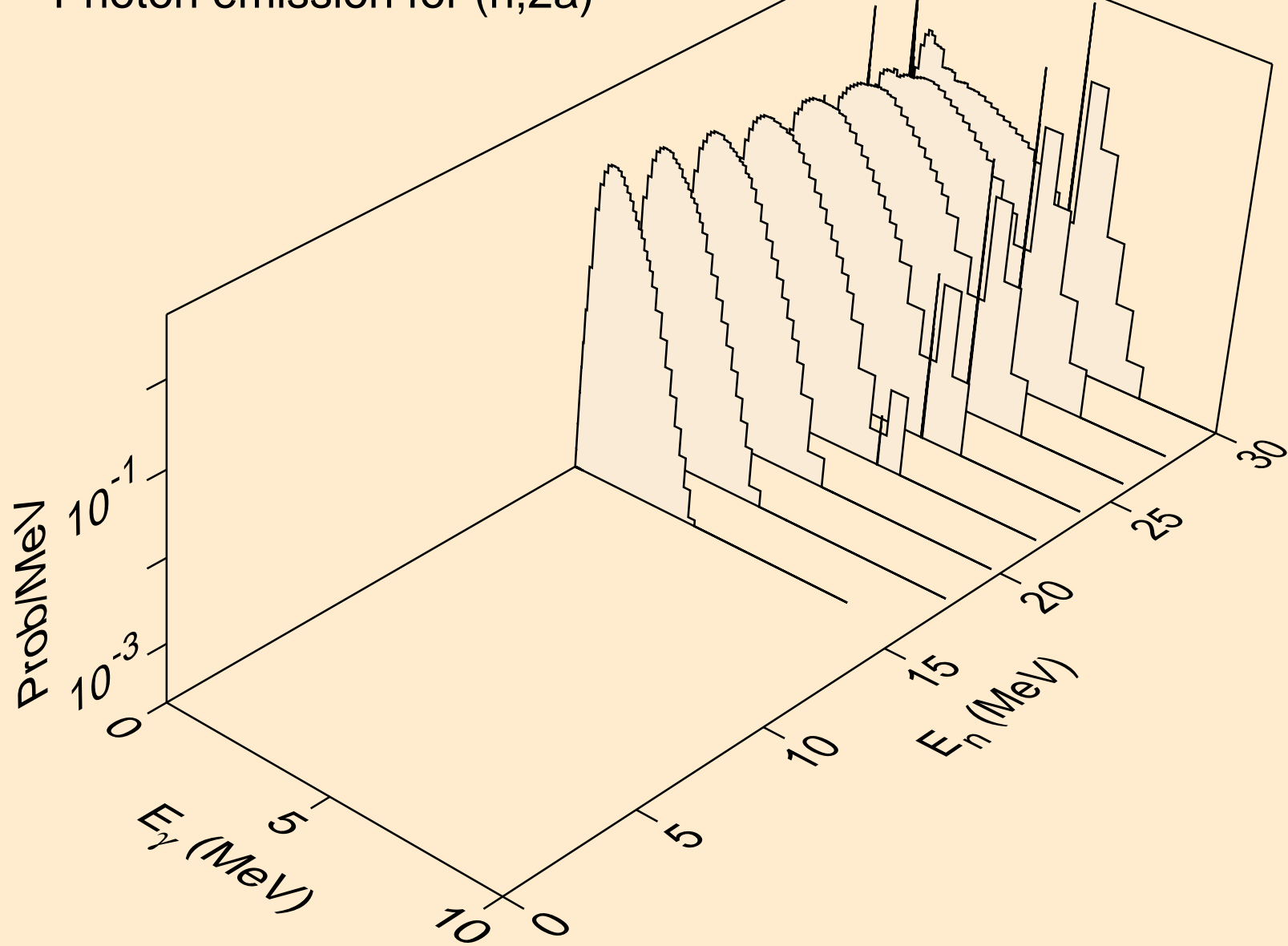
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



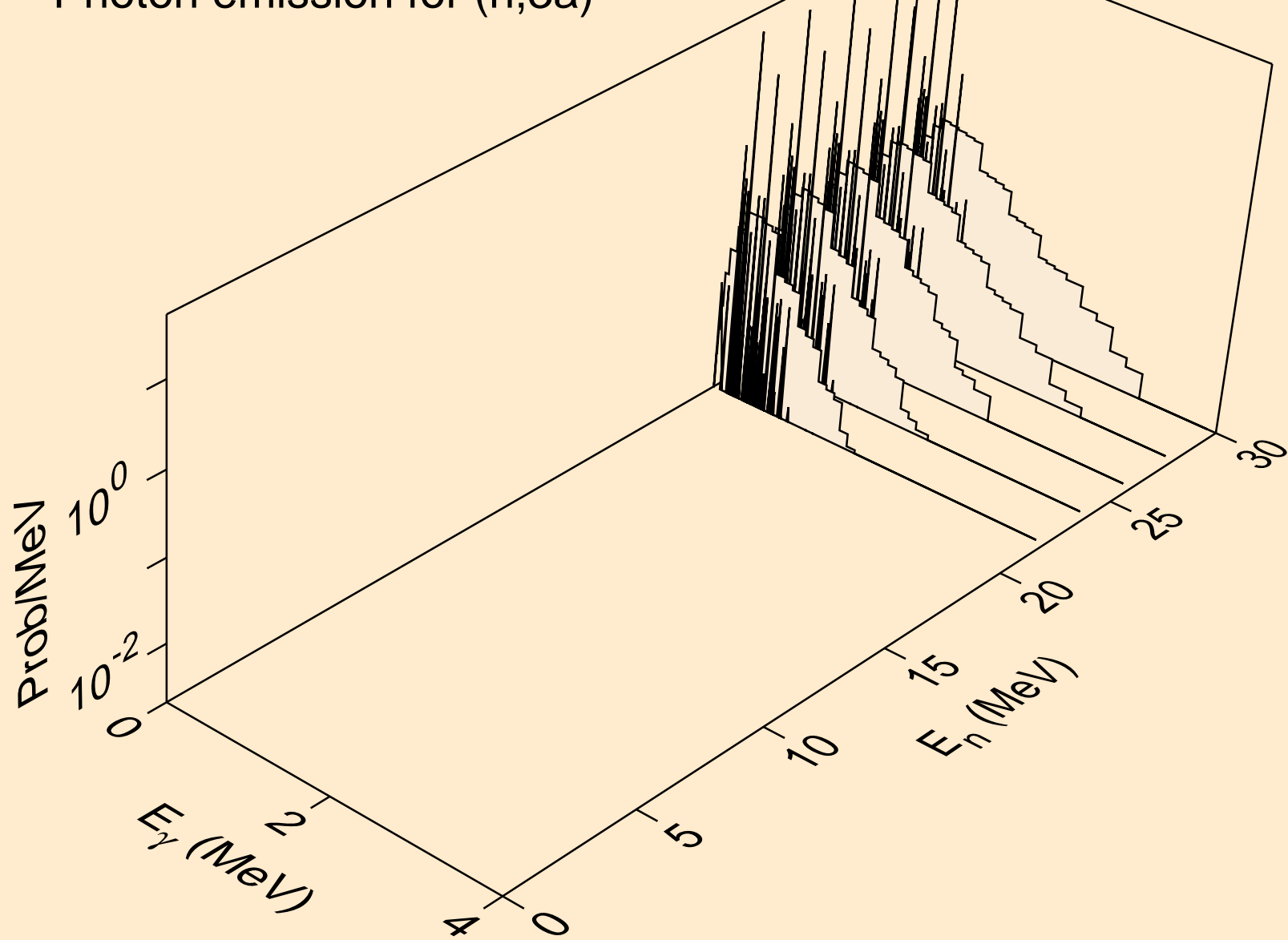
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for inelastic



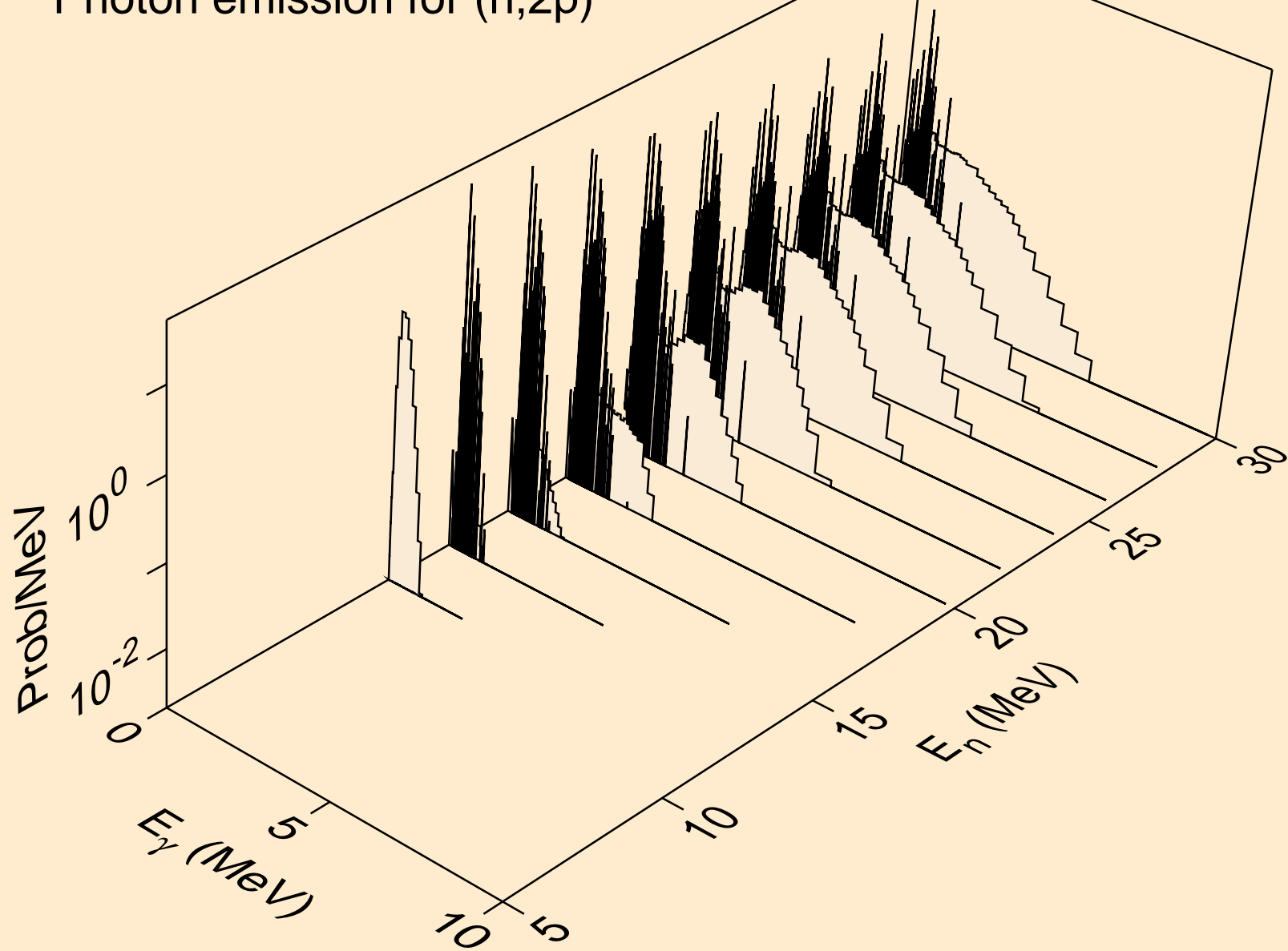
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)



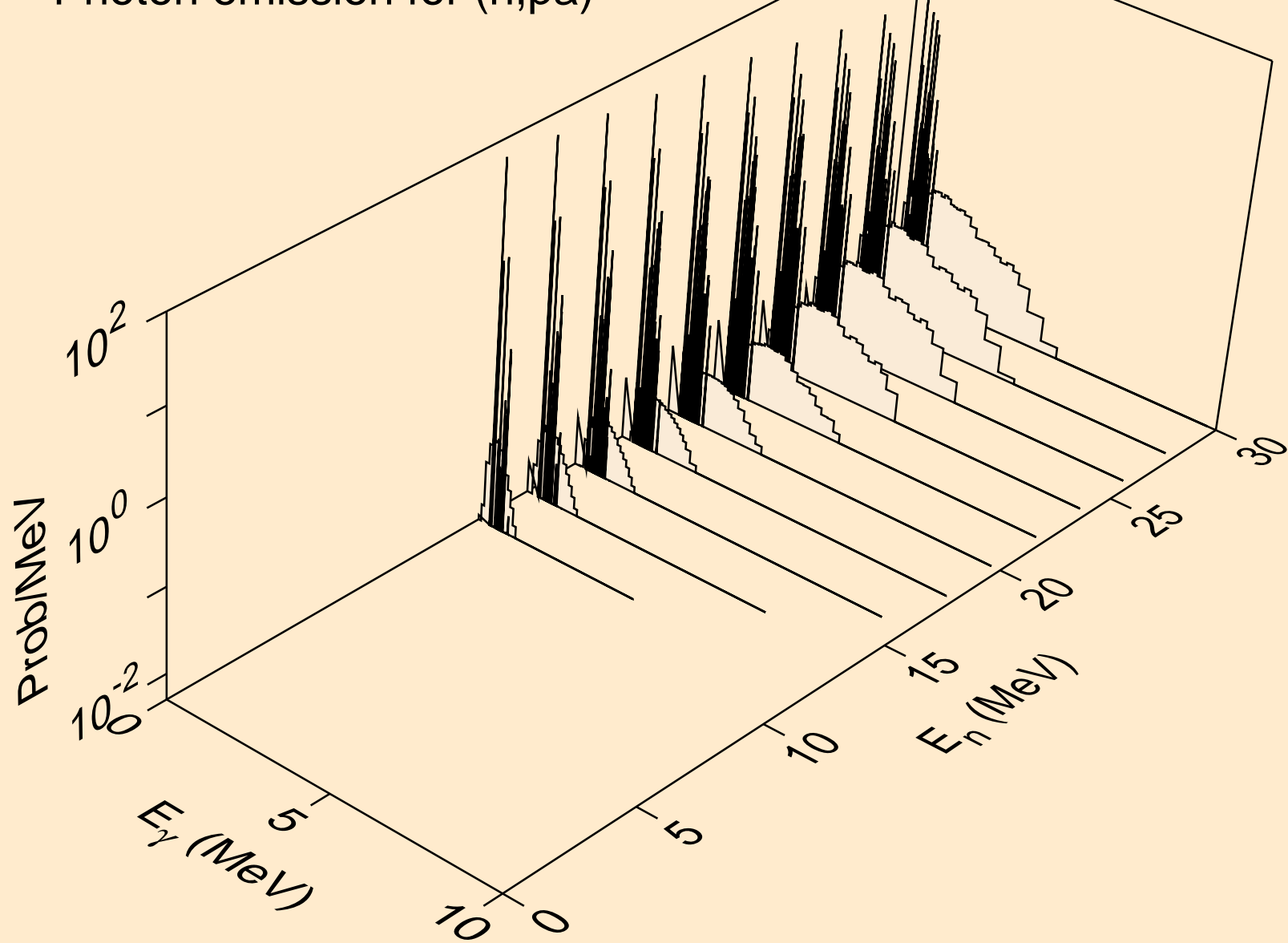
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3a)



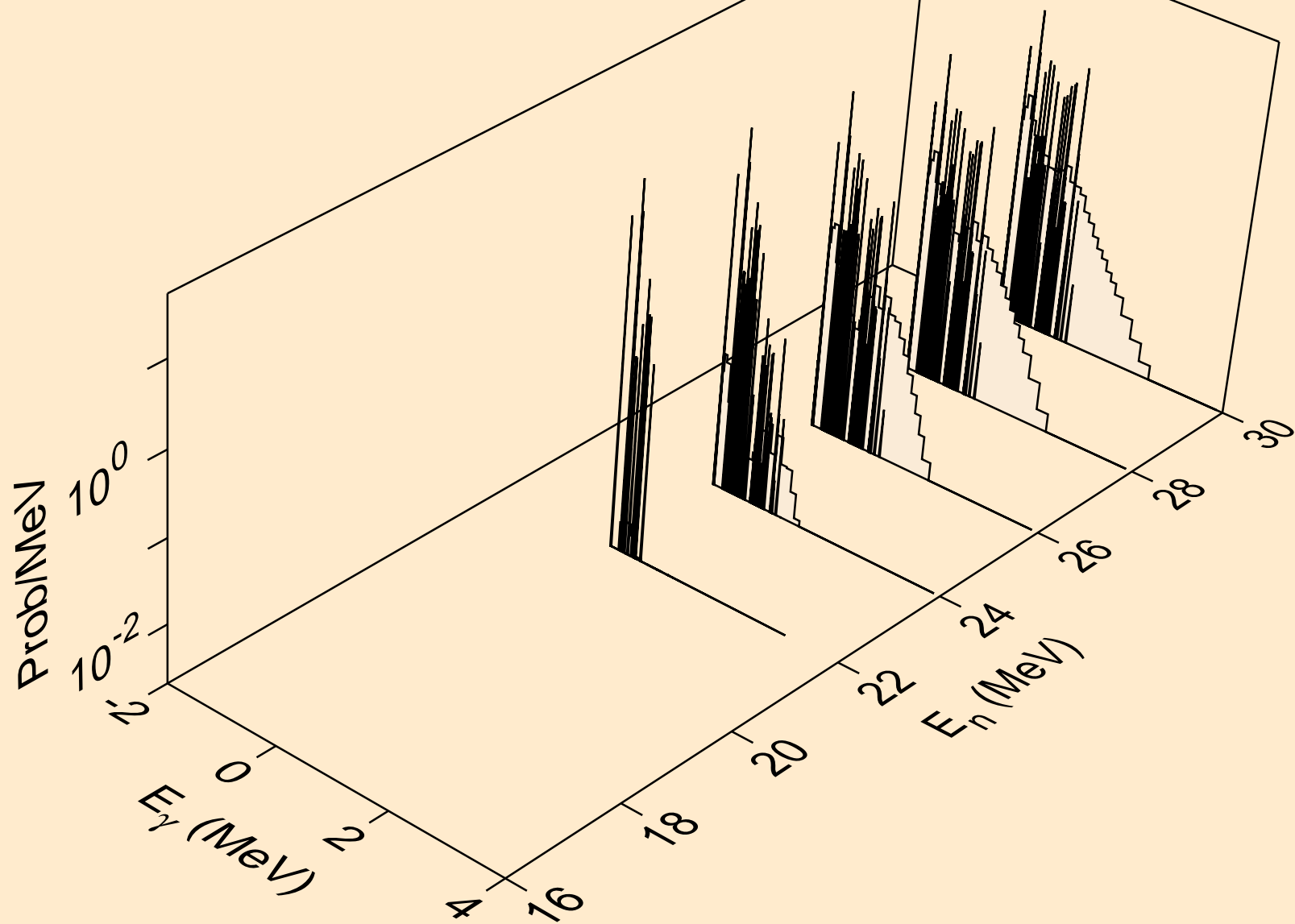
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



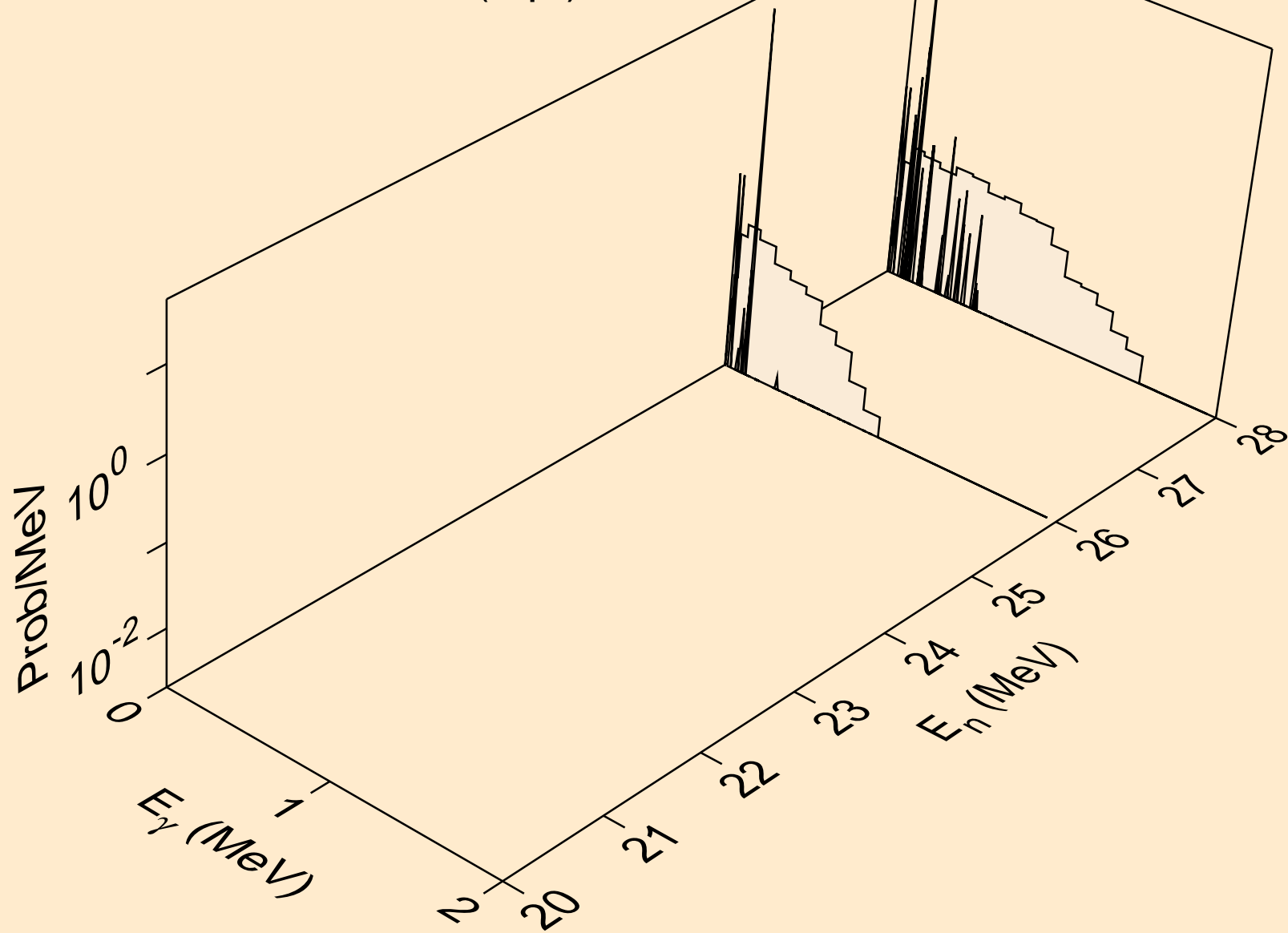
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



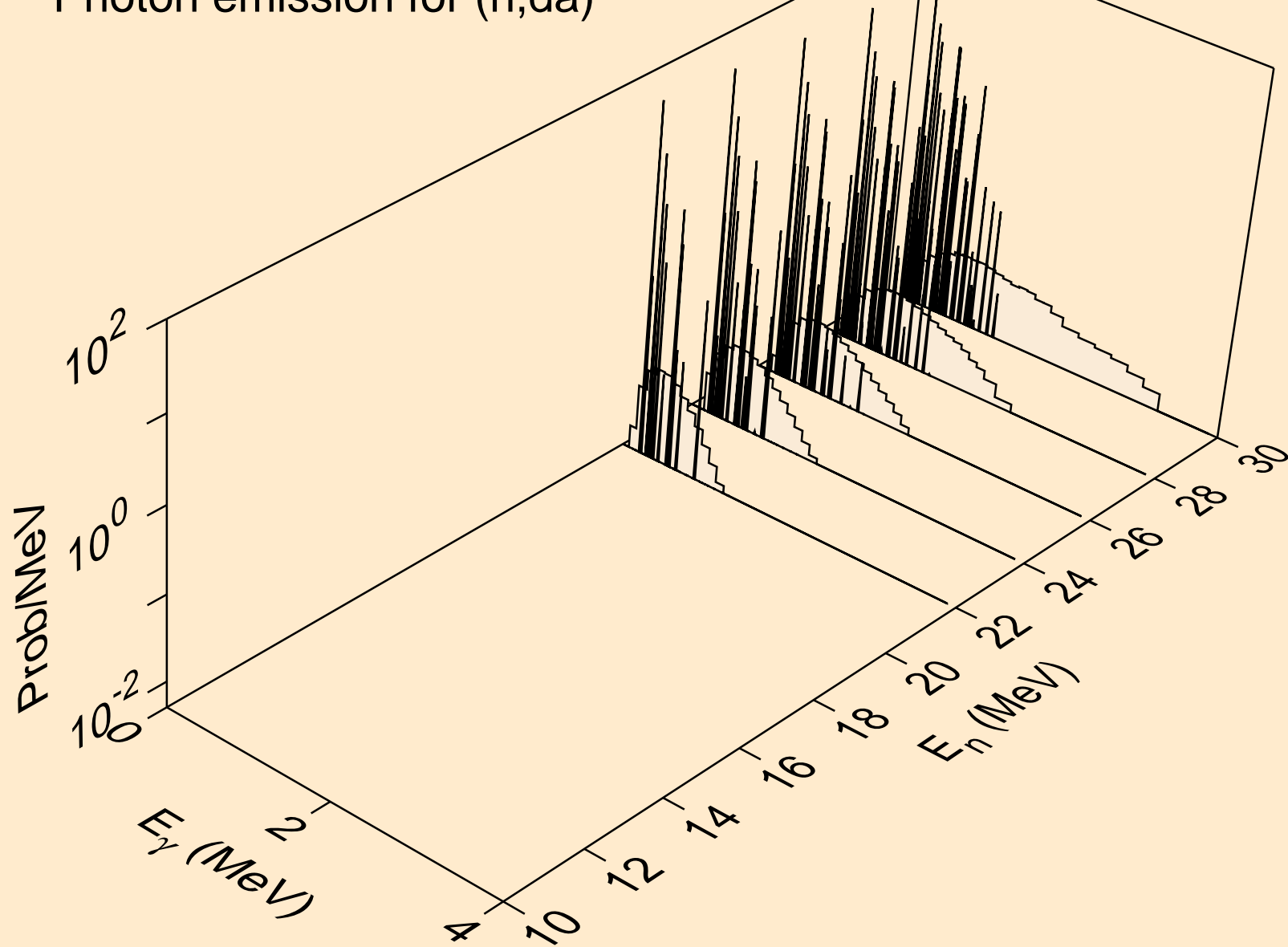
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)

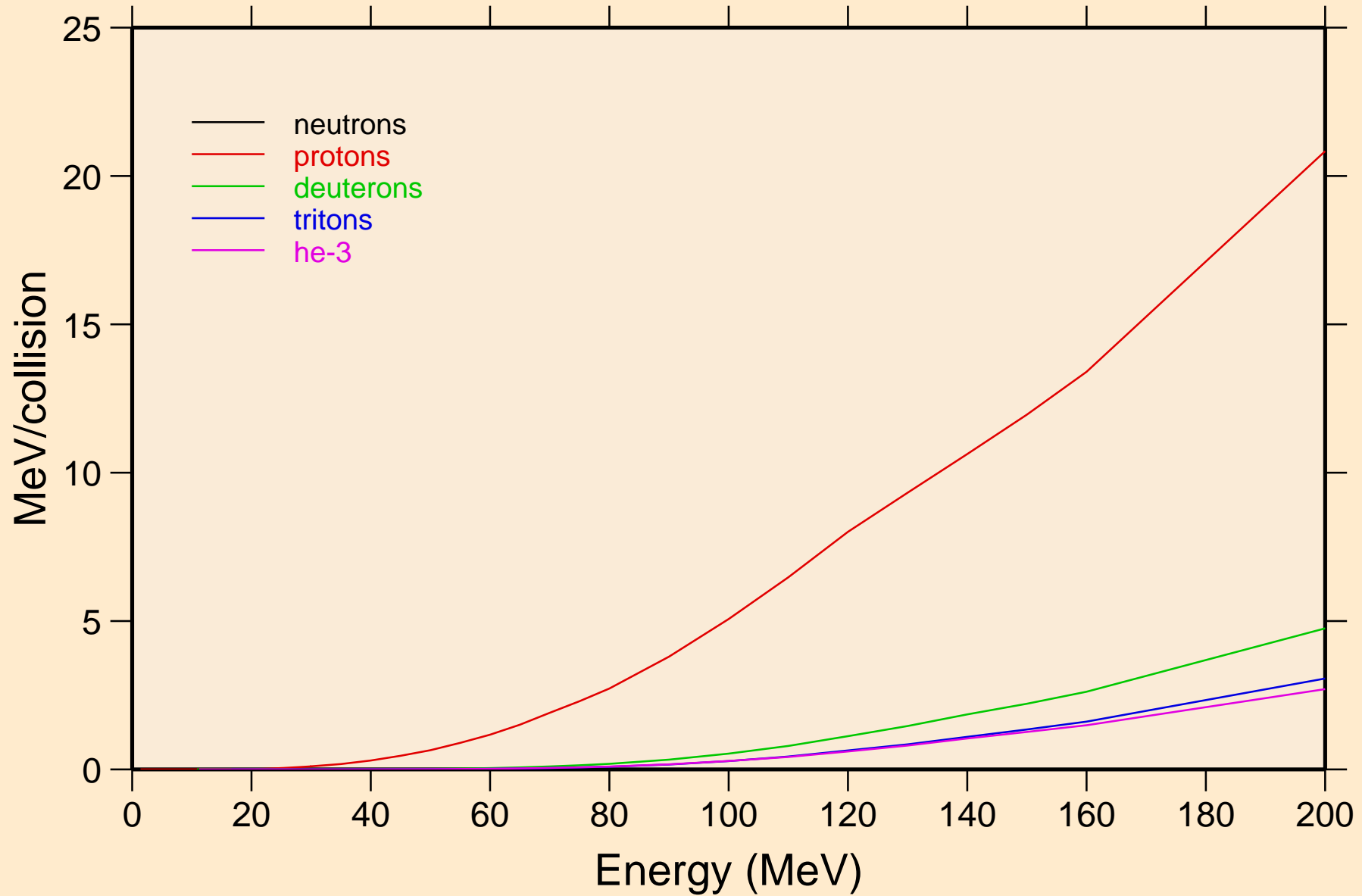


EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)

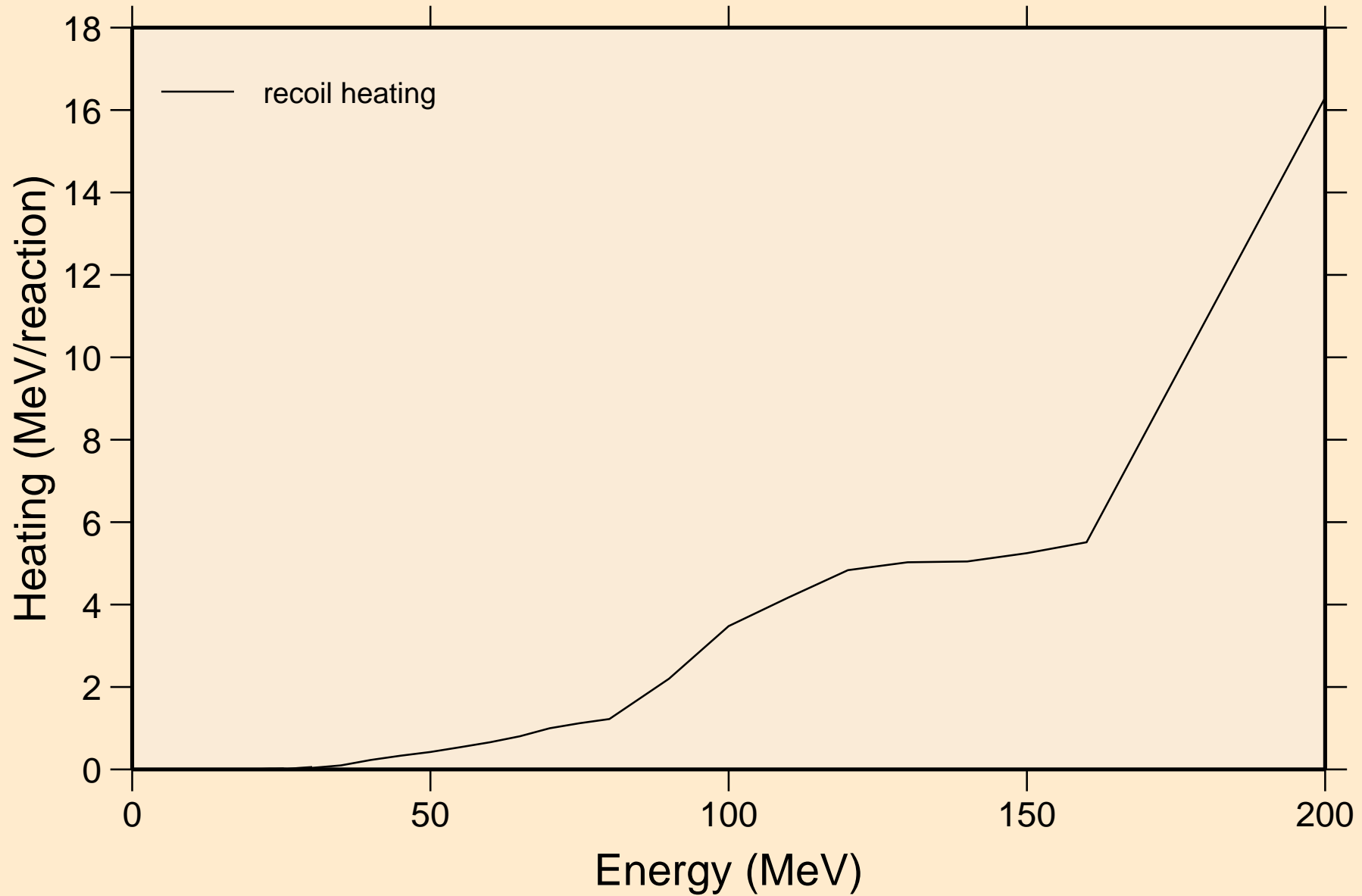


# EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

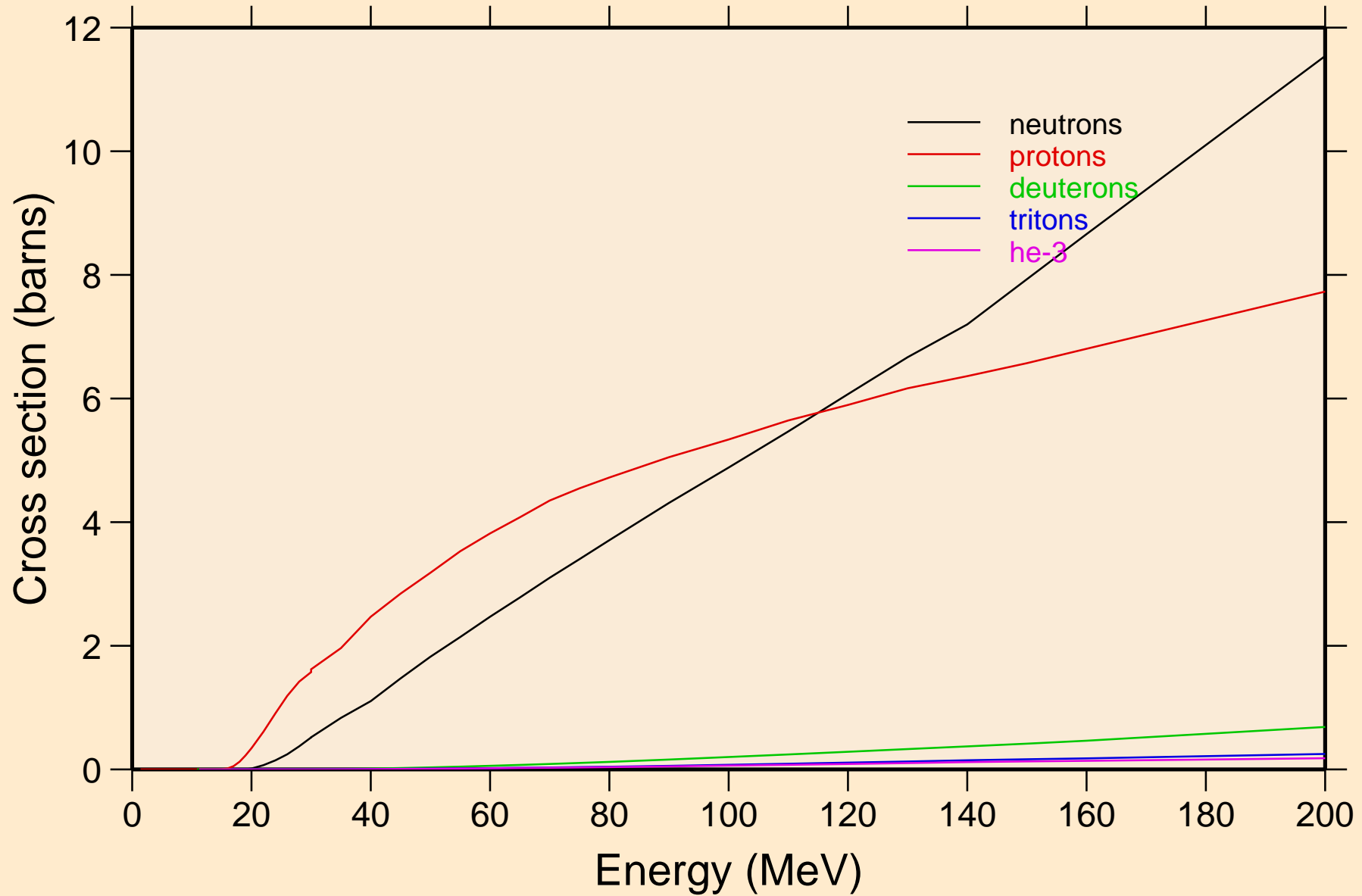
## Particle heating contributions



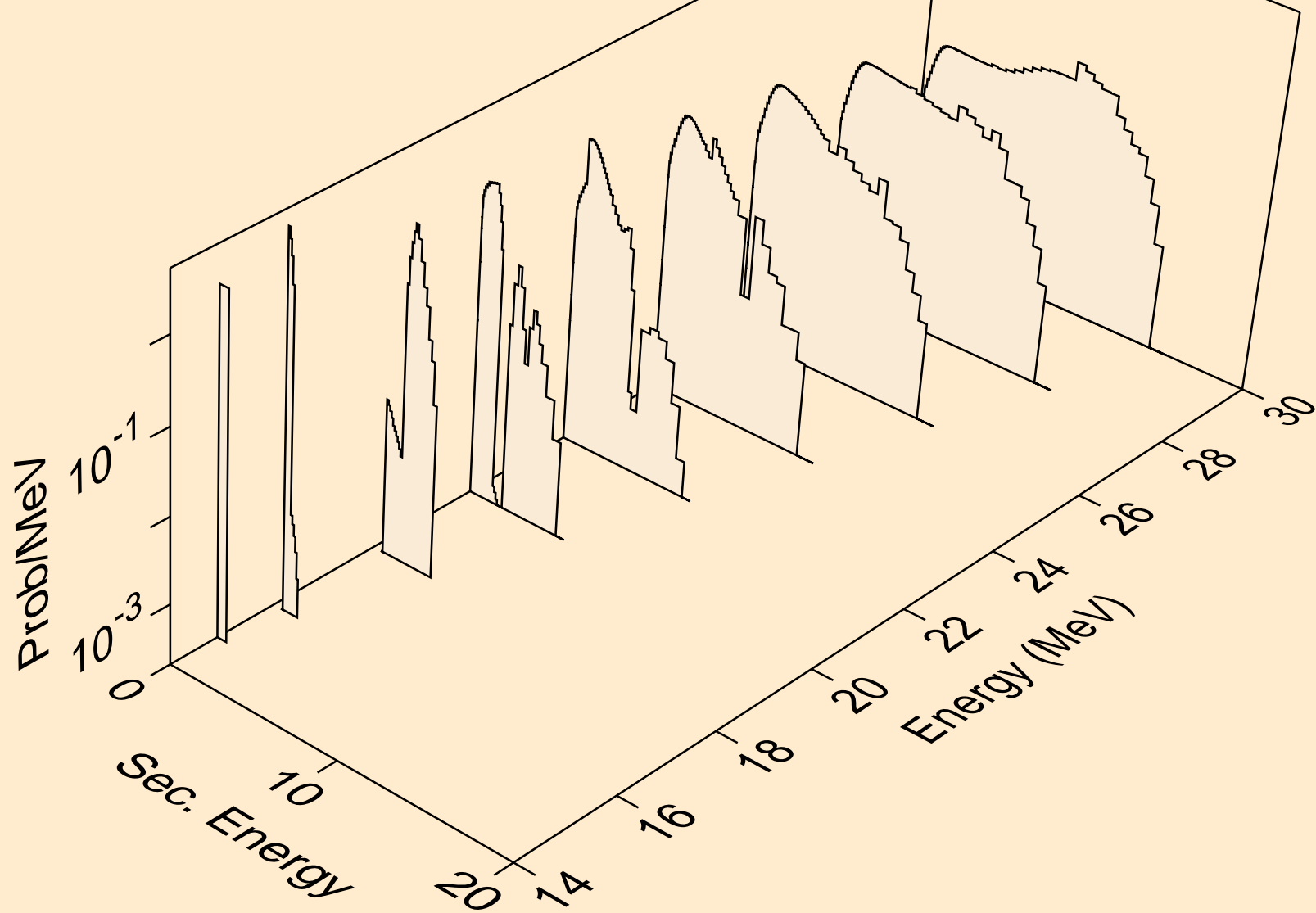
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating



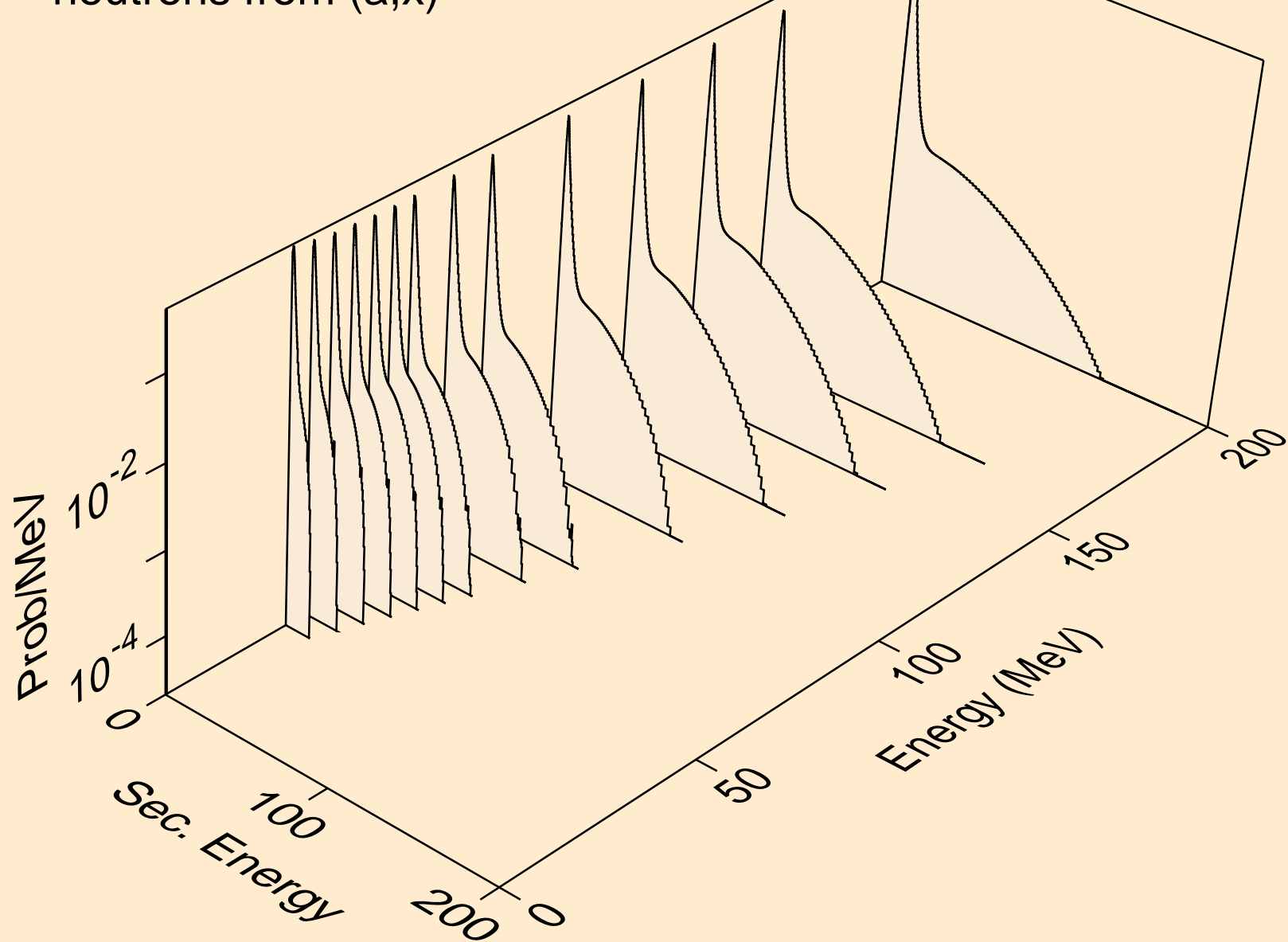
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Particle production cross sections



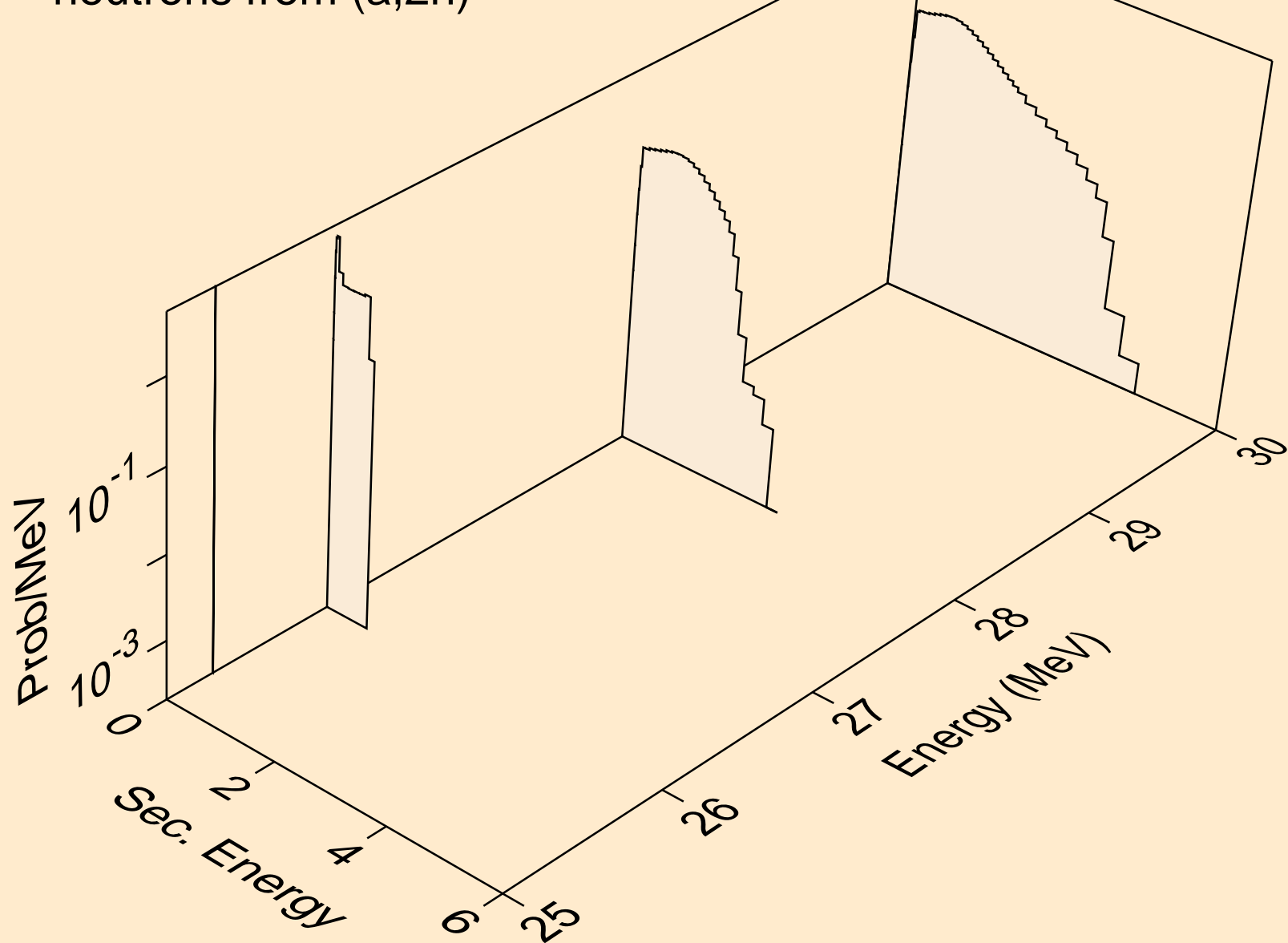
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n)



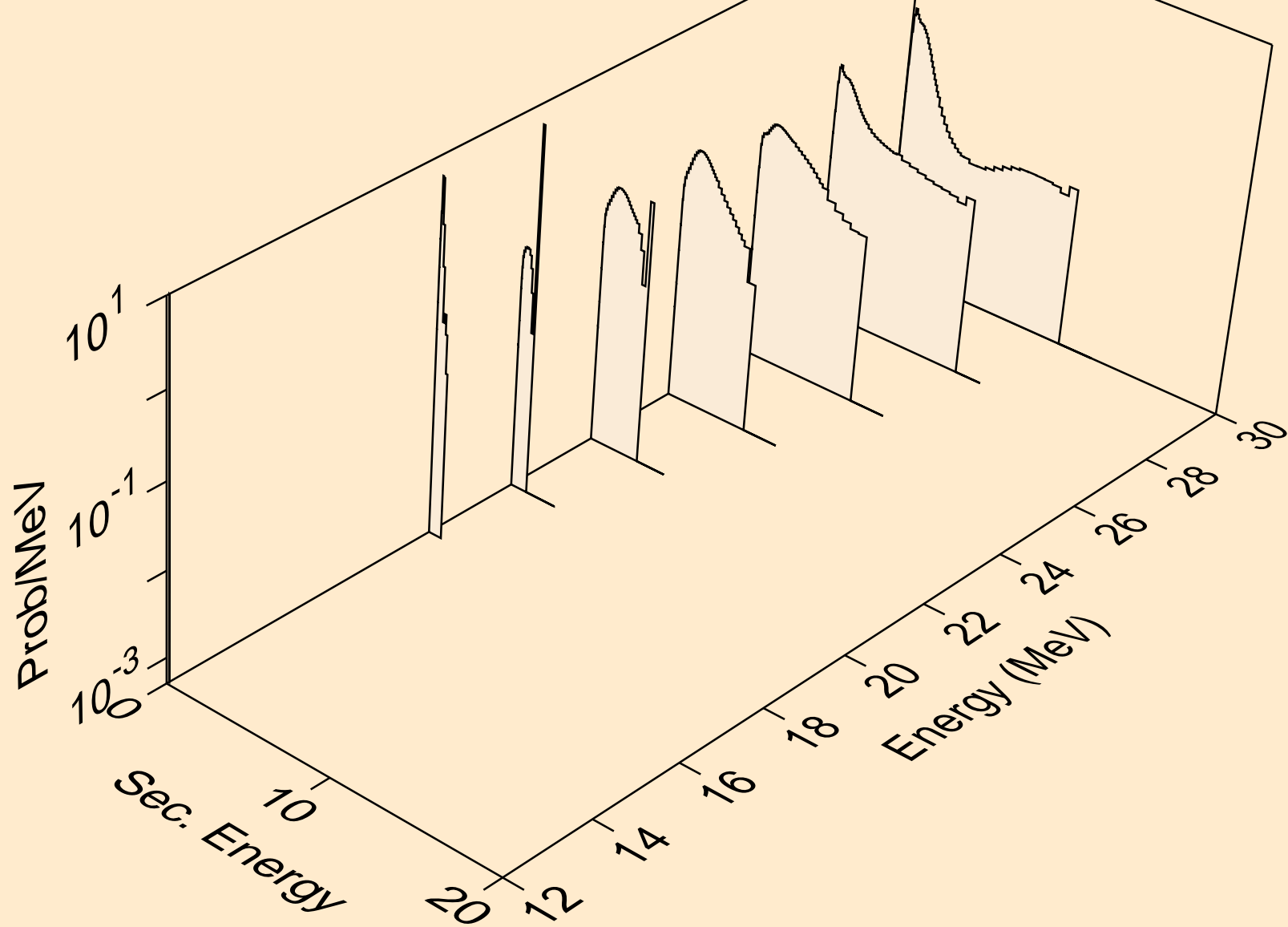
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,x)



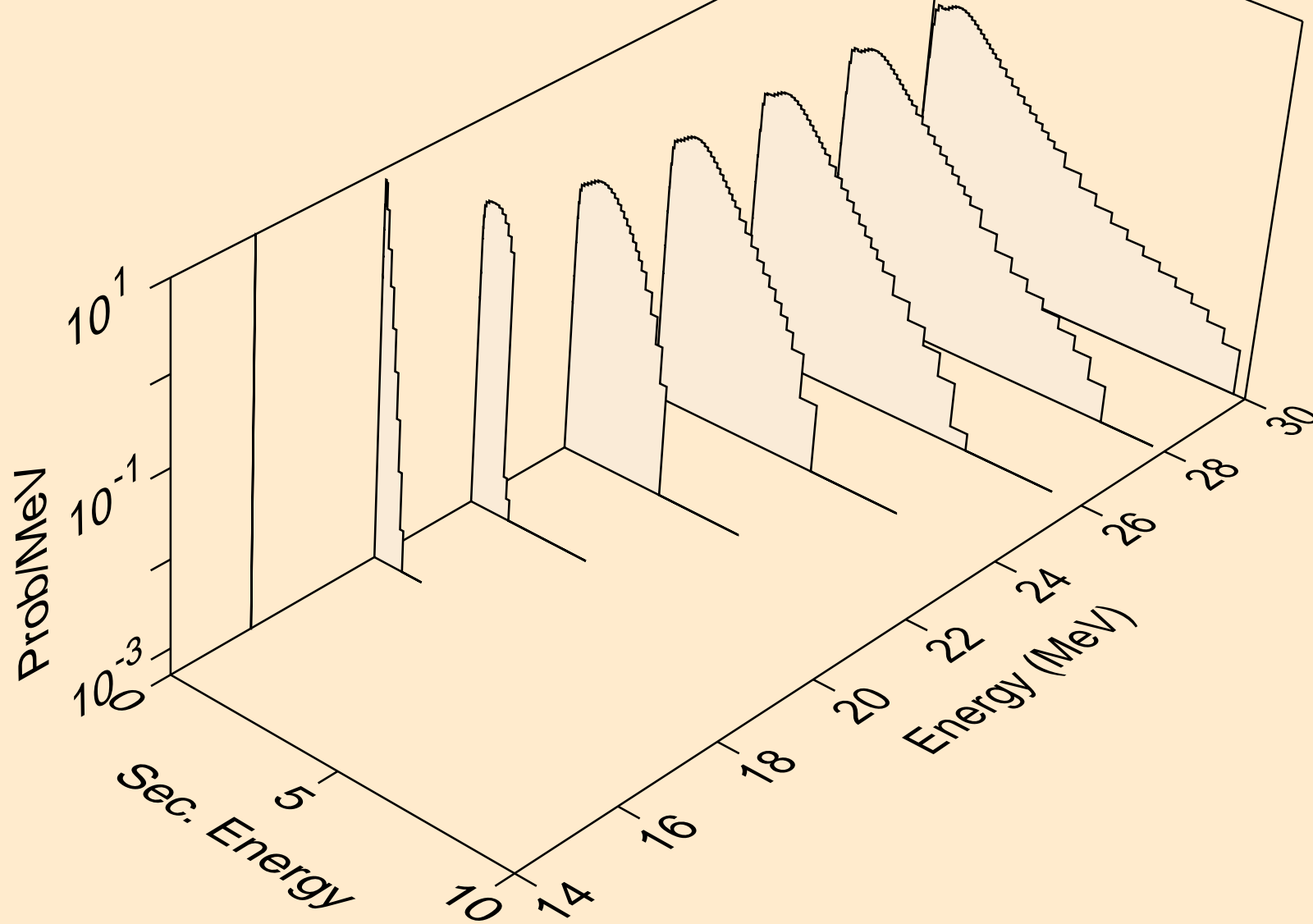
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,2n)



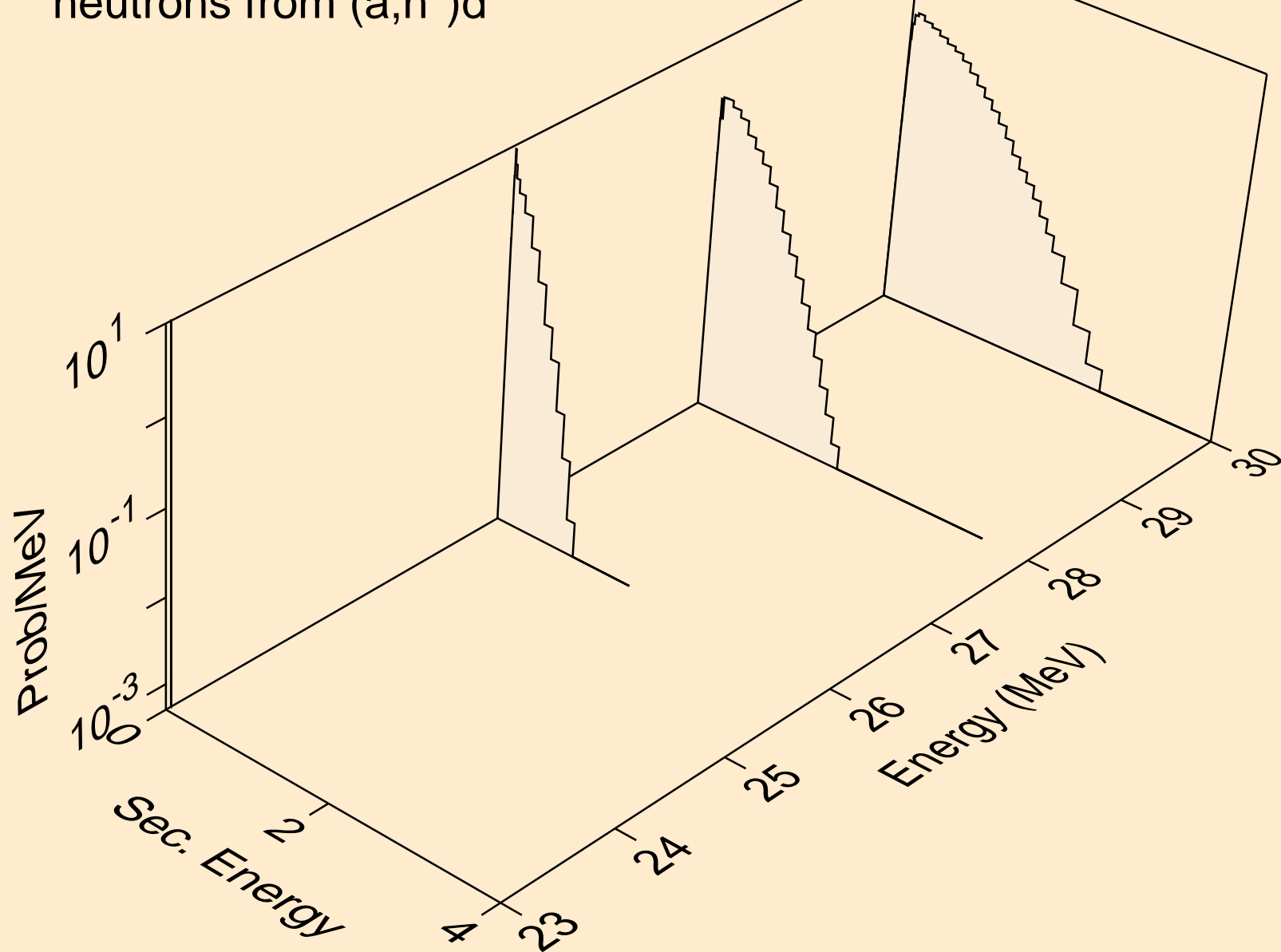
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n\*)a



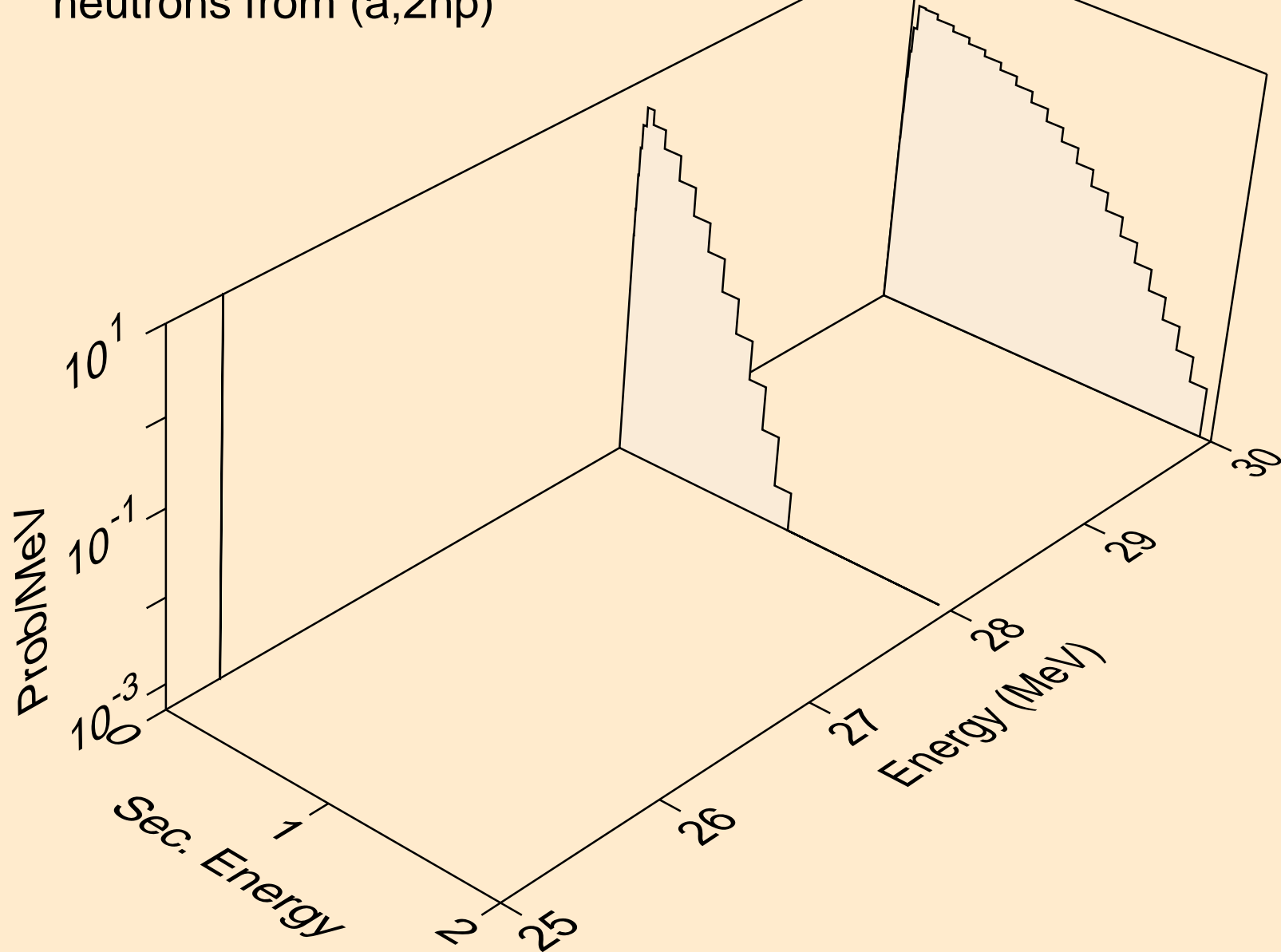
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n\*)p



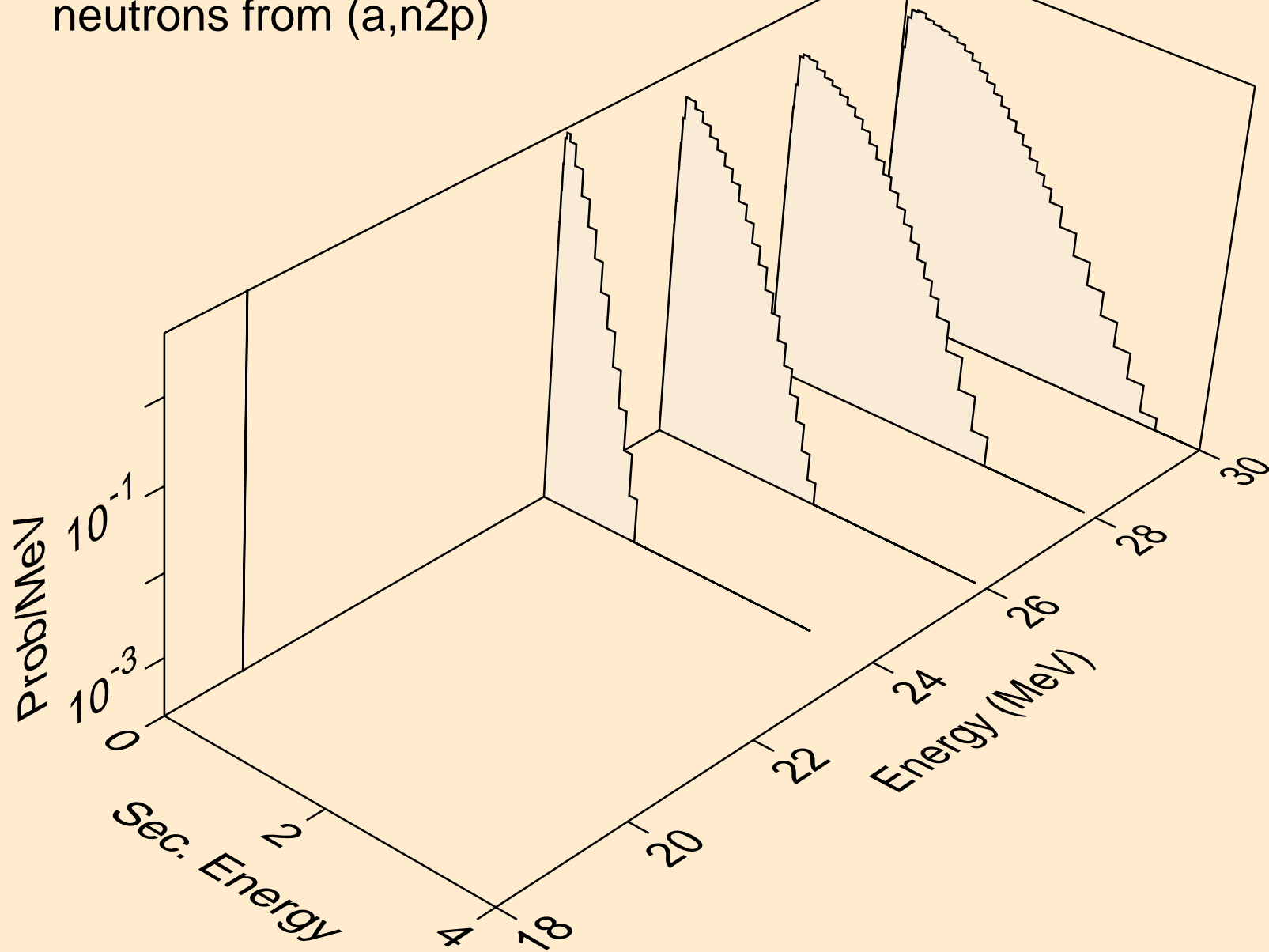
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n\*)d



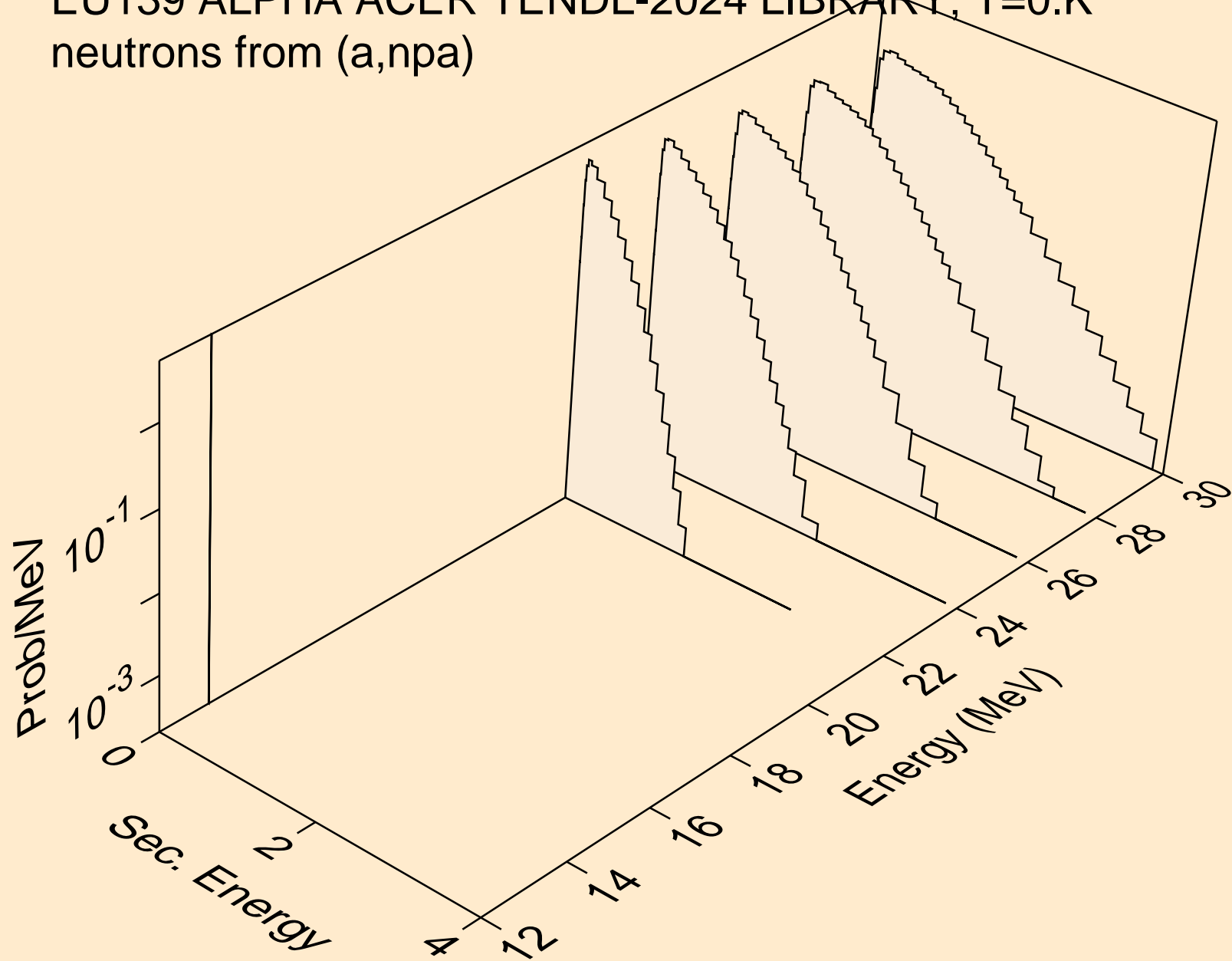
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,2np)



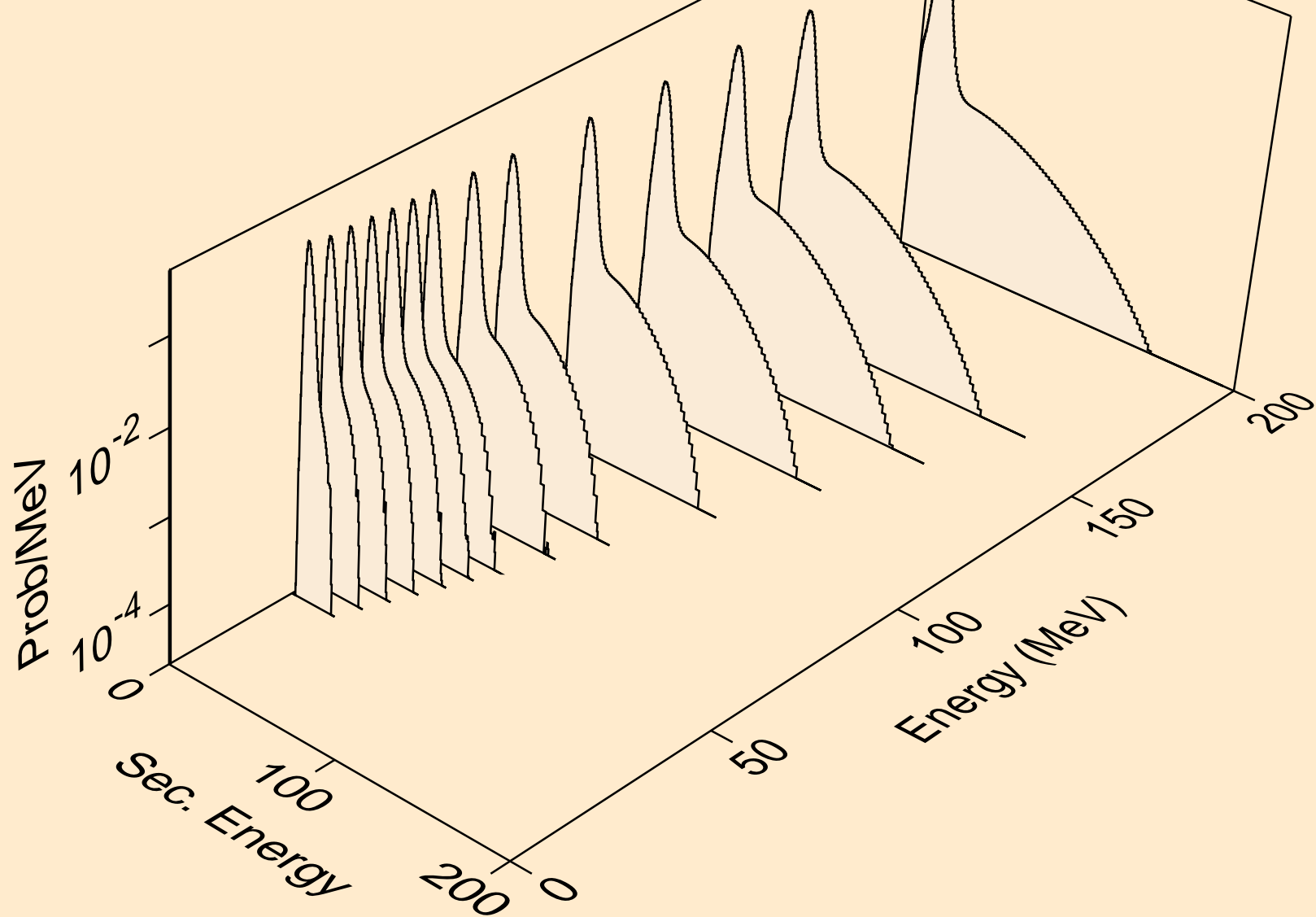
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n2p)



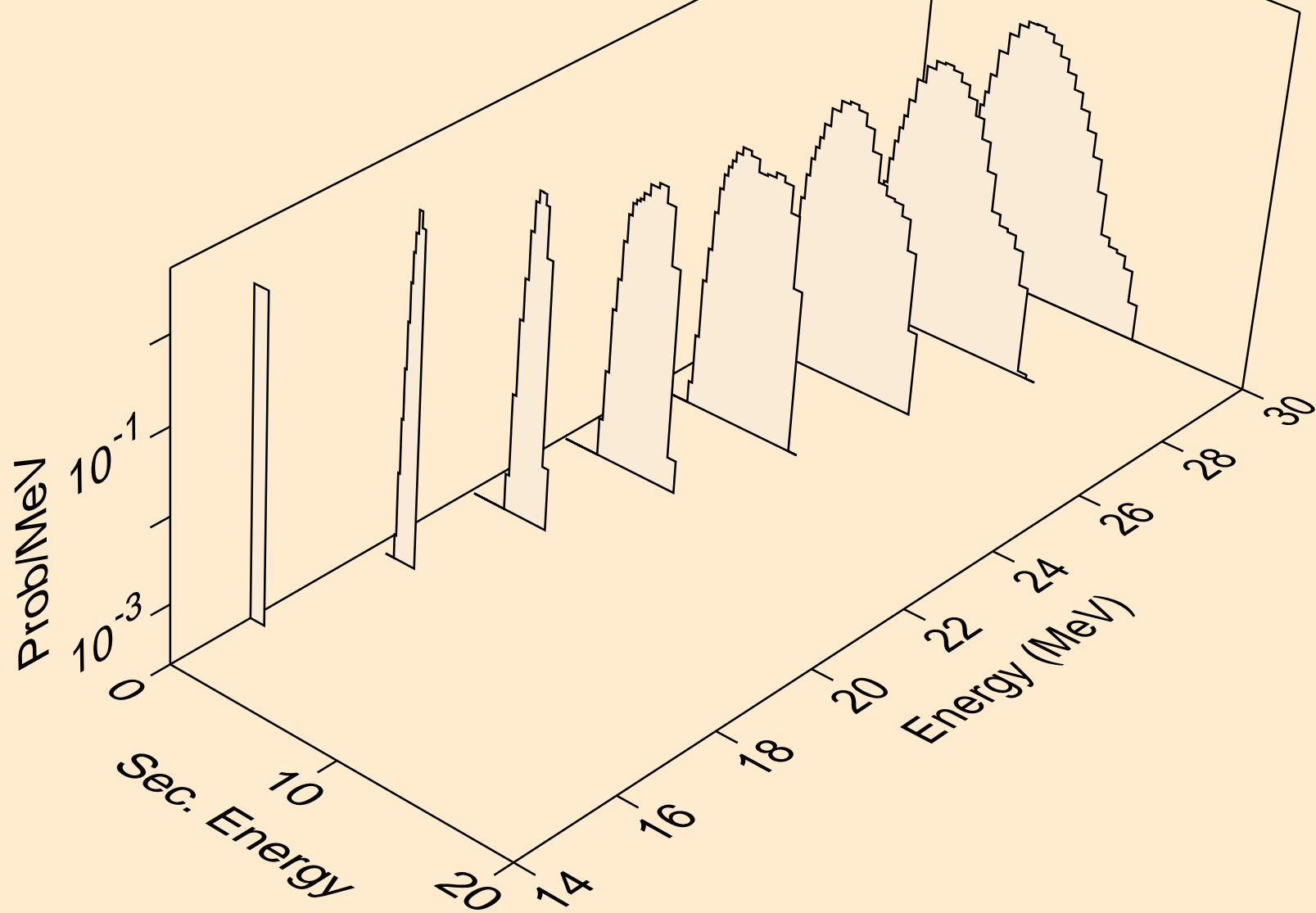
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,npa)



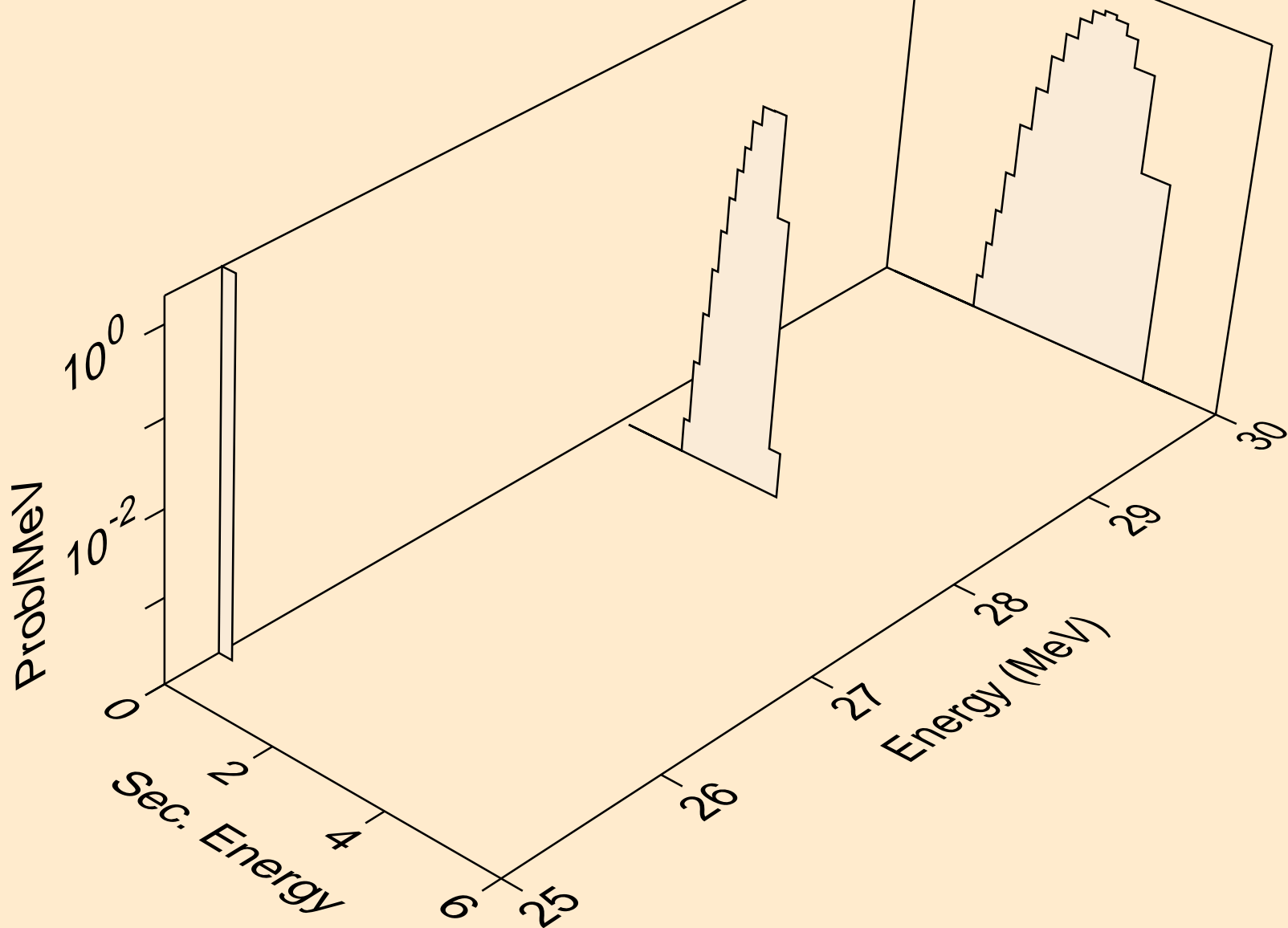
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
protons from (a,x)



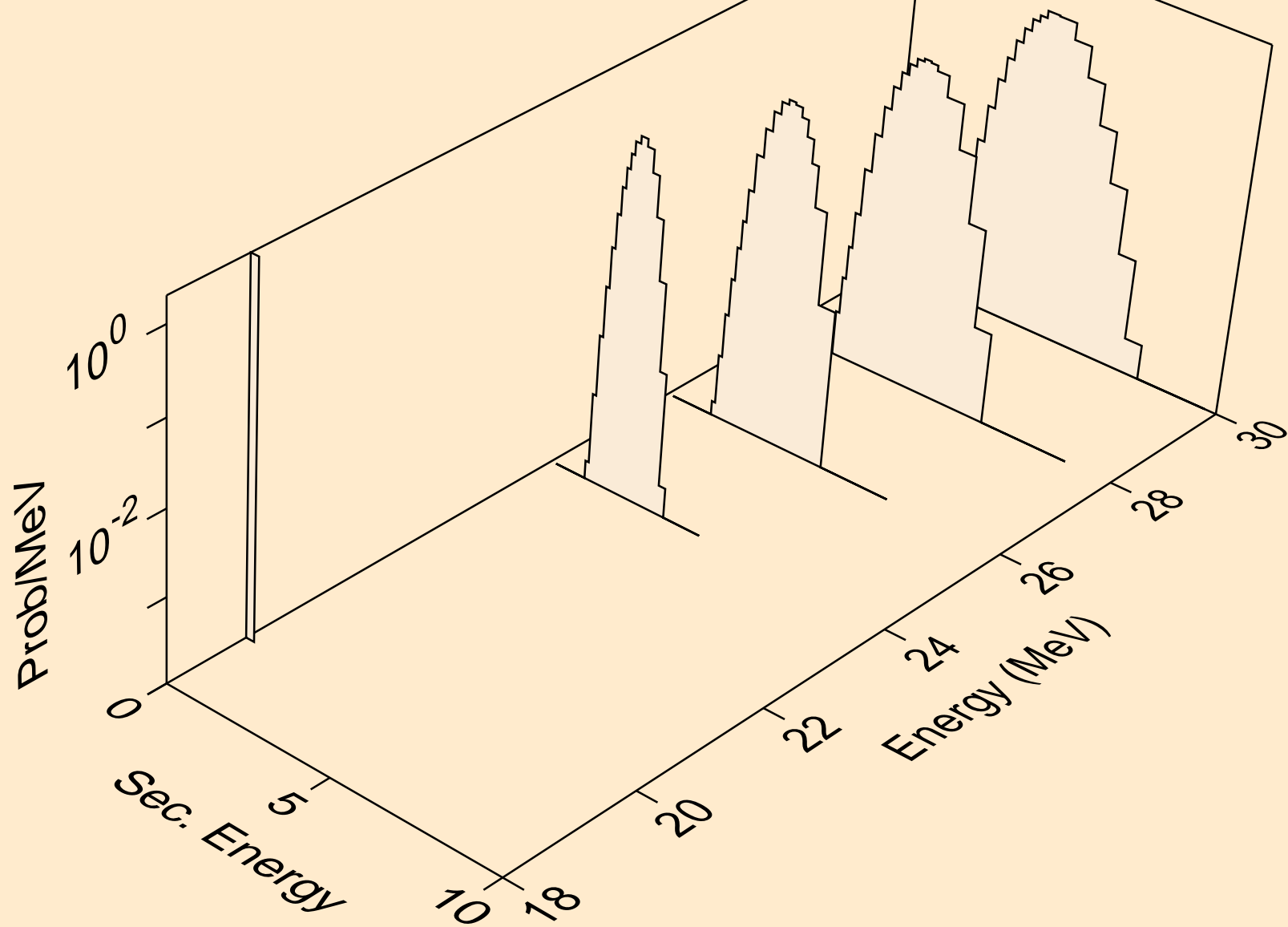
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
protons from (a,n\*)p



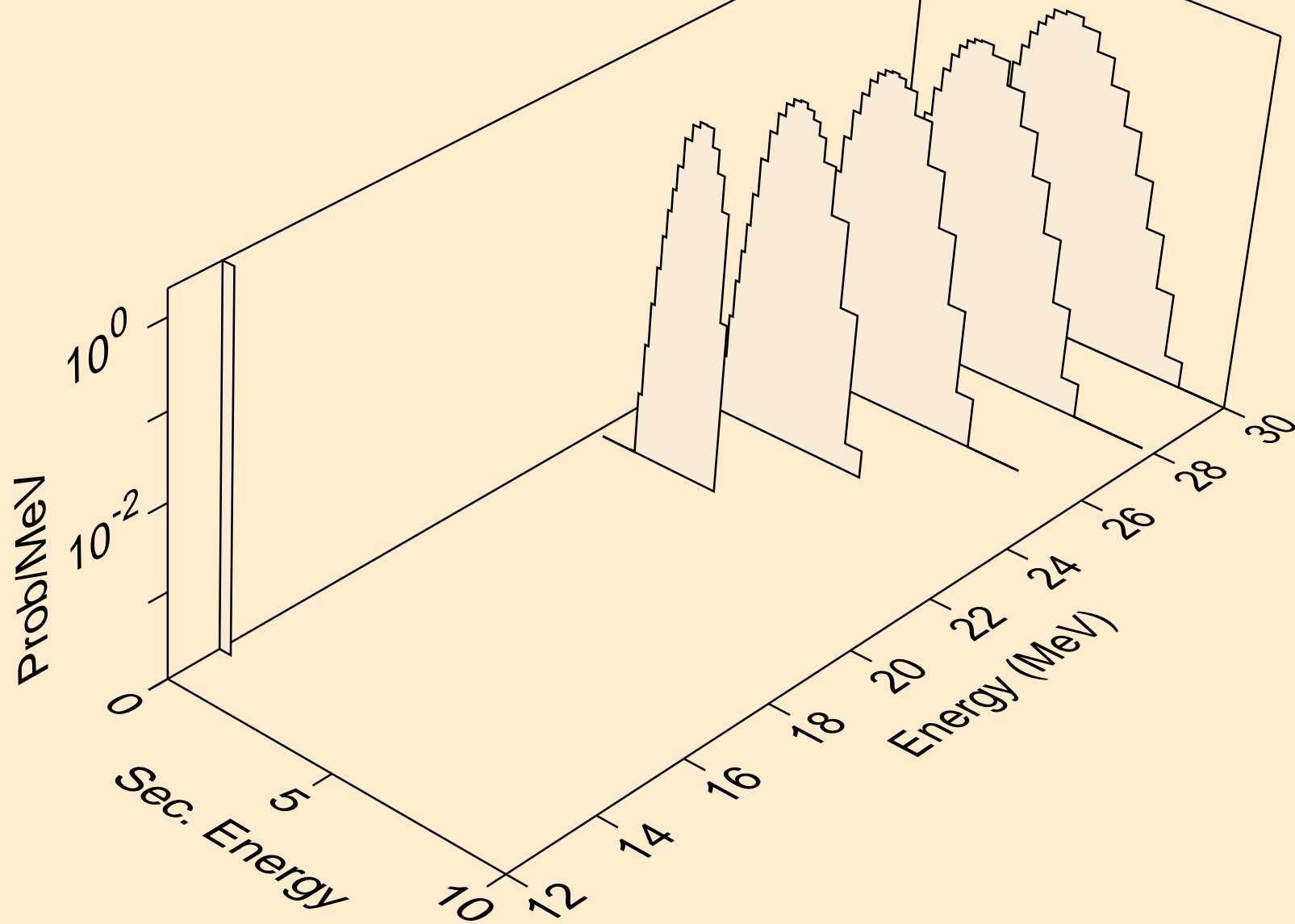
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
protons from (a,2np)



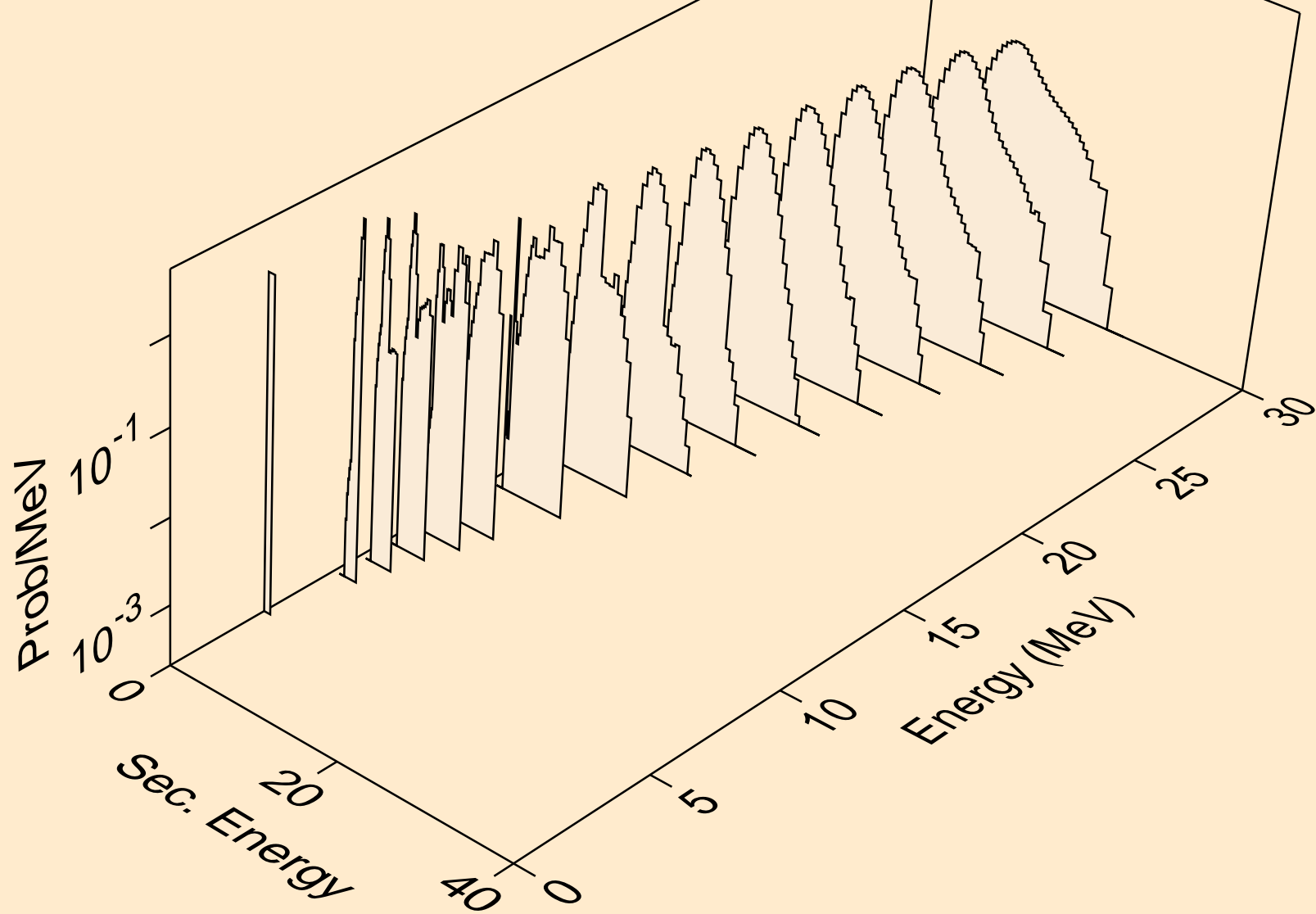
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
protons from (a,n2p)



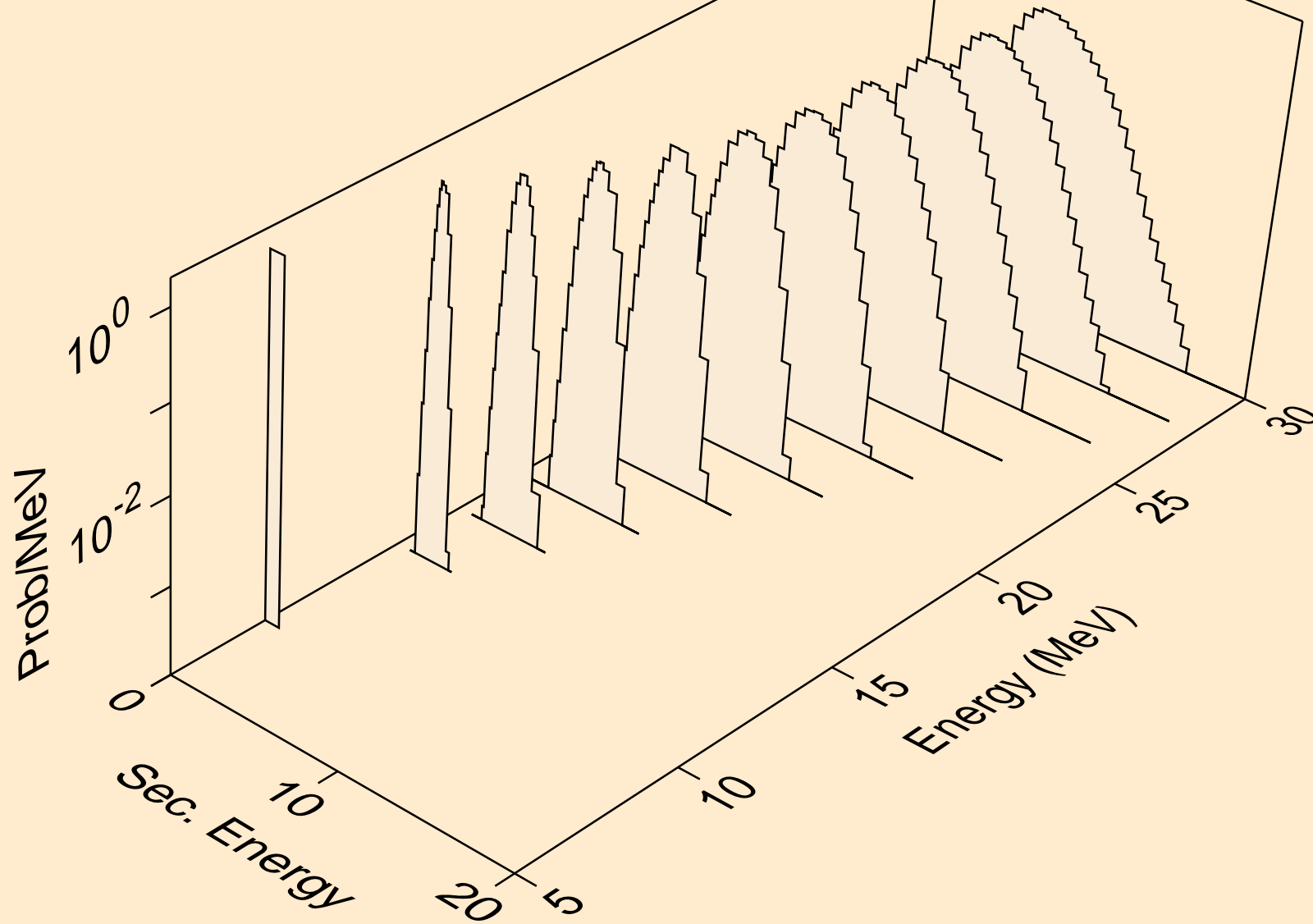
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
protons from (a,npa)



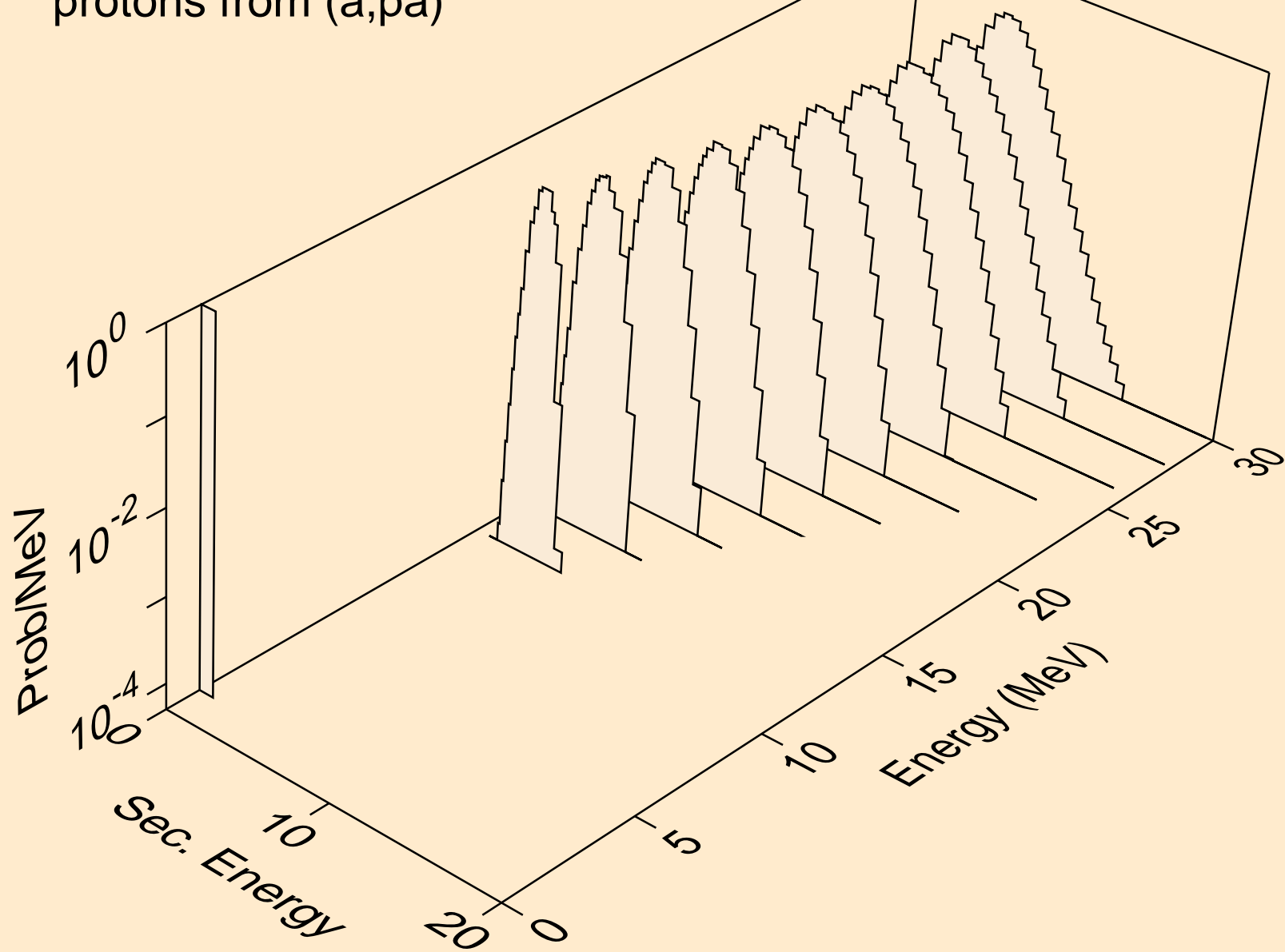
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
protons from (a,p)



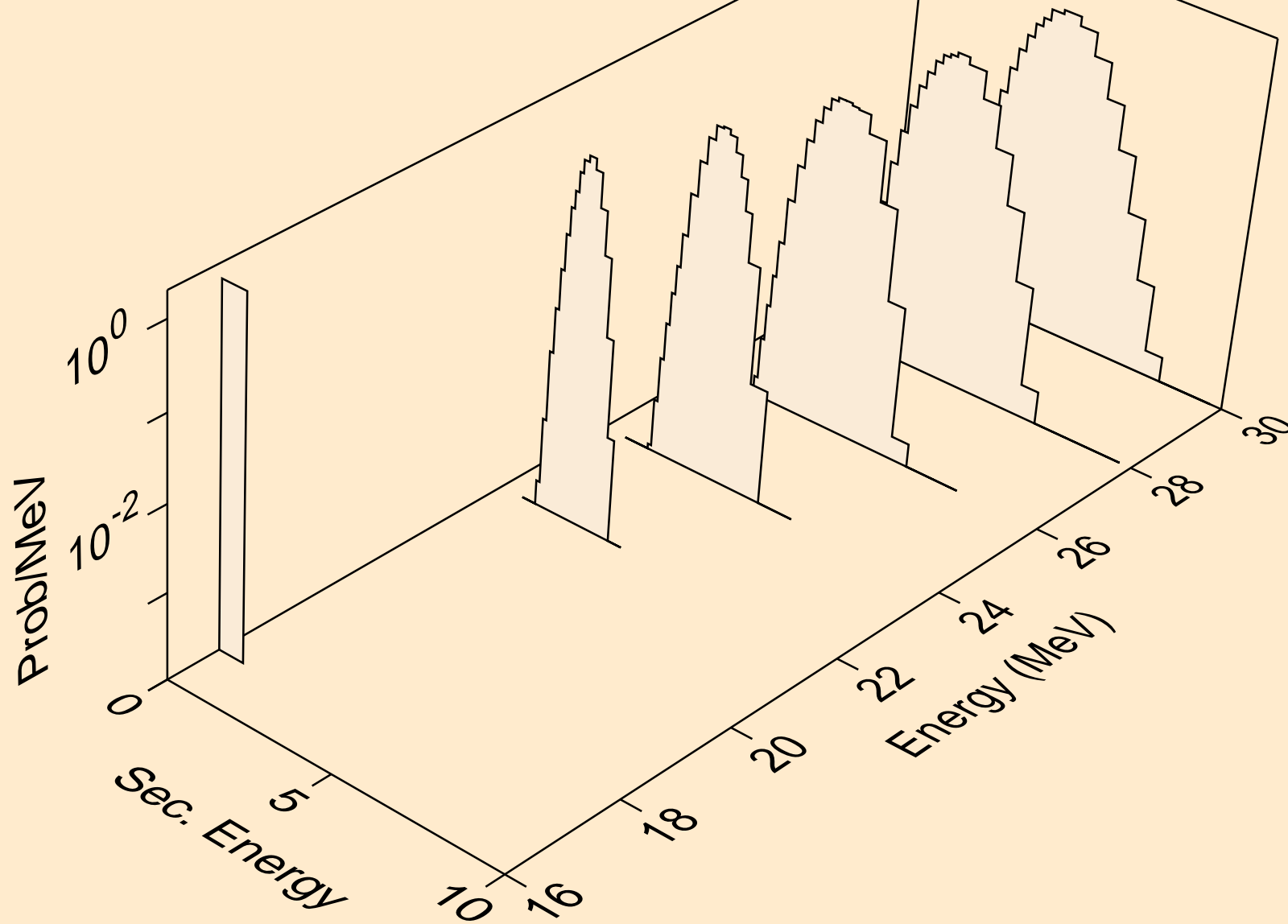
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
protons from (a,2p)



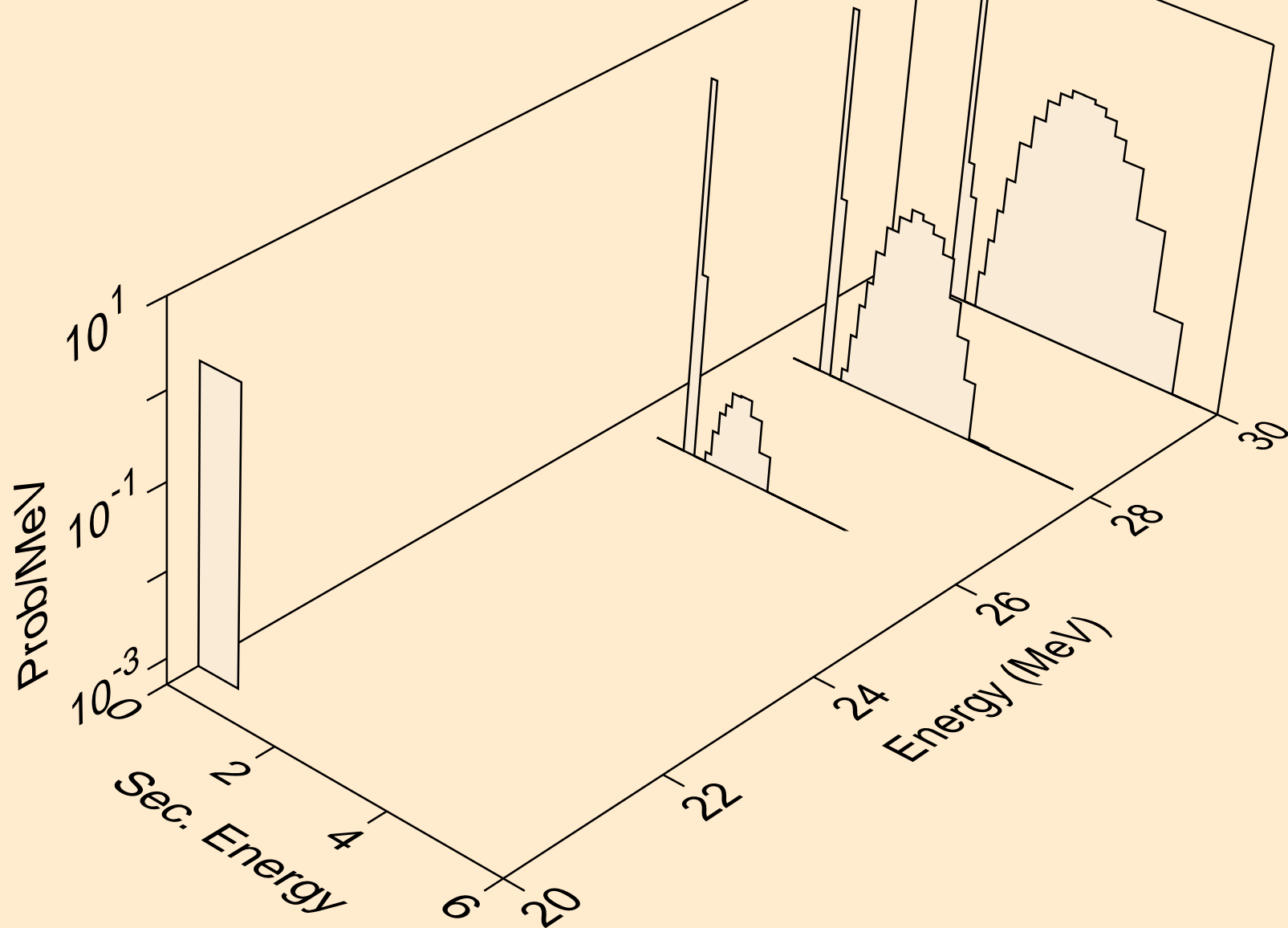
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
protons from (a,pa)



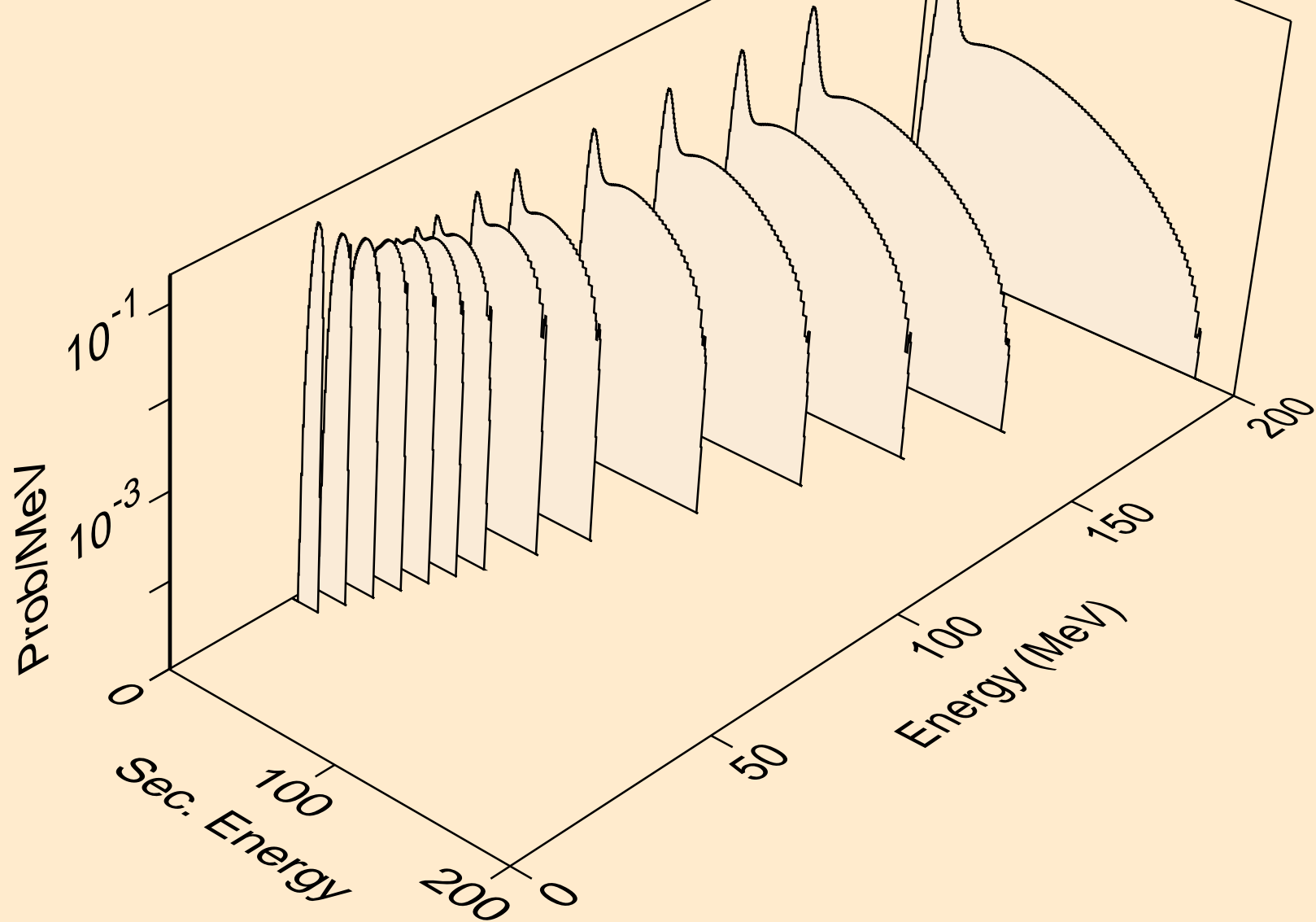
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
protons from (a,pd)



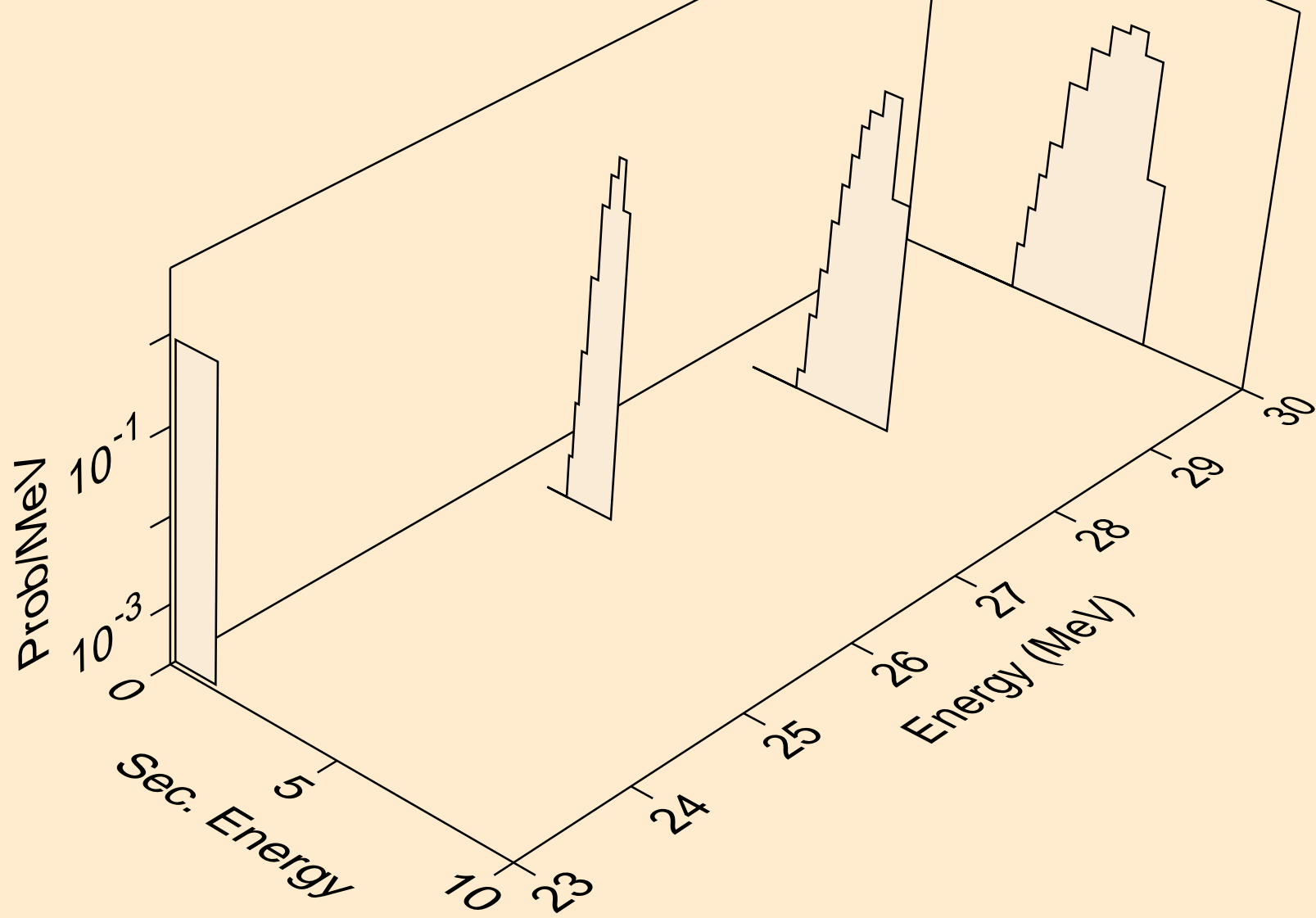
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
protons from (a,pt)



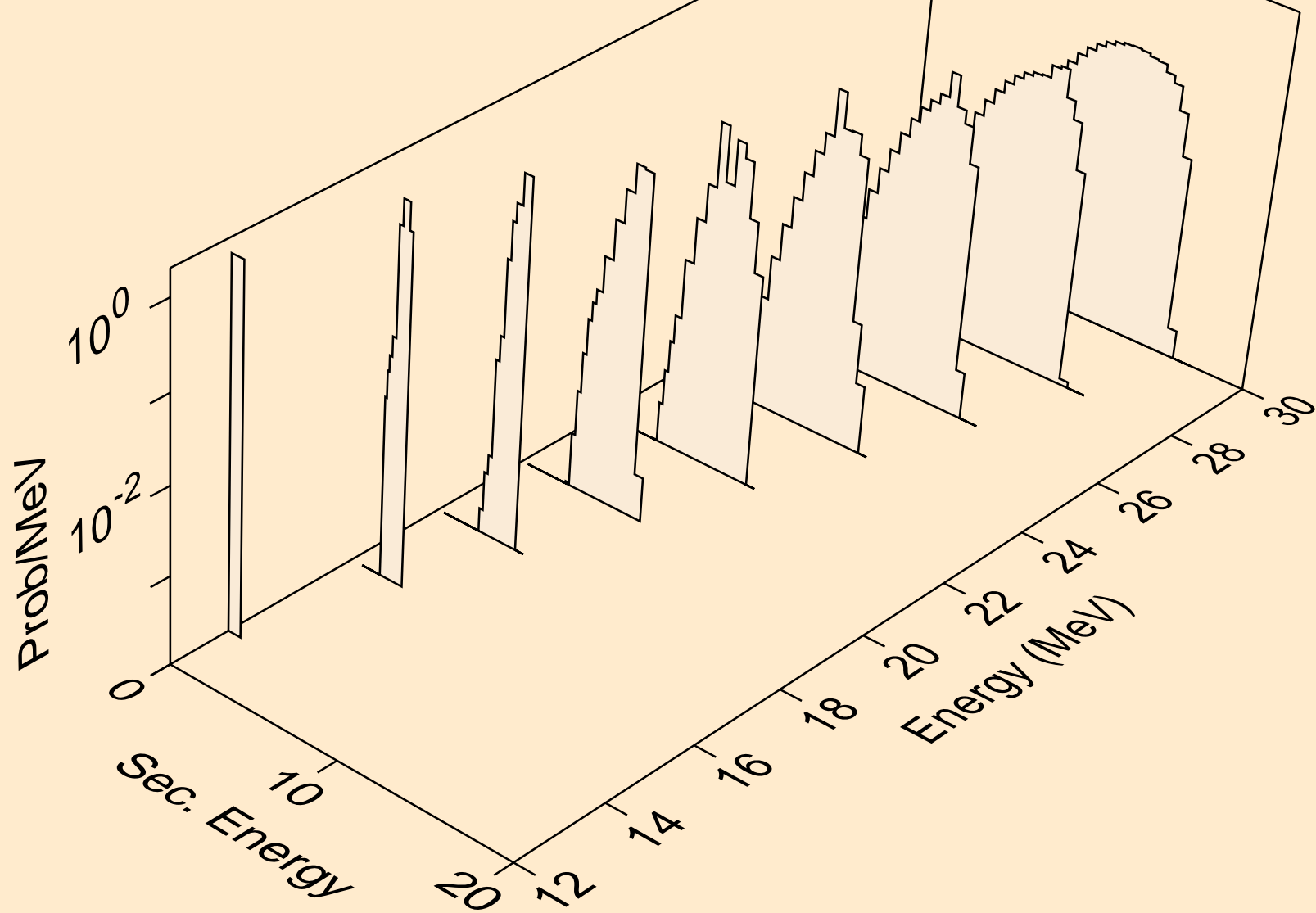
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (a,x)



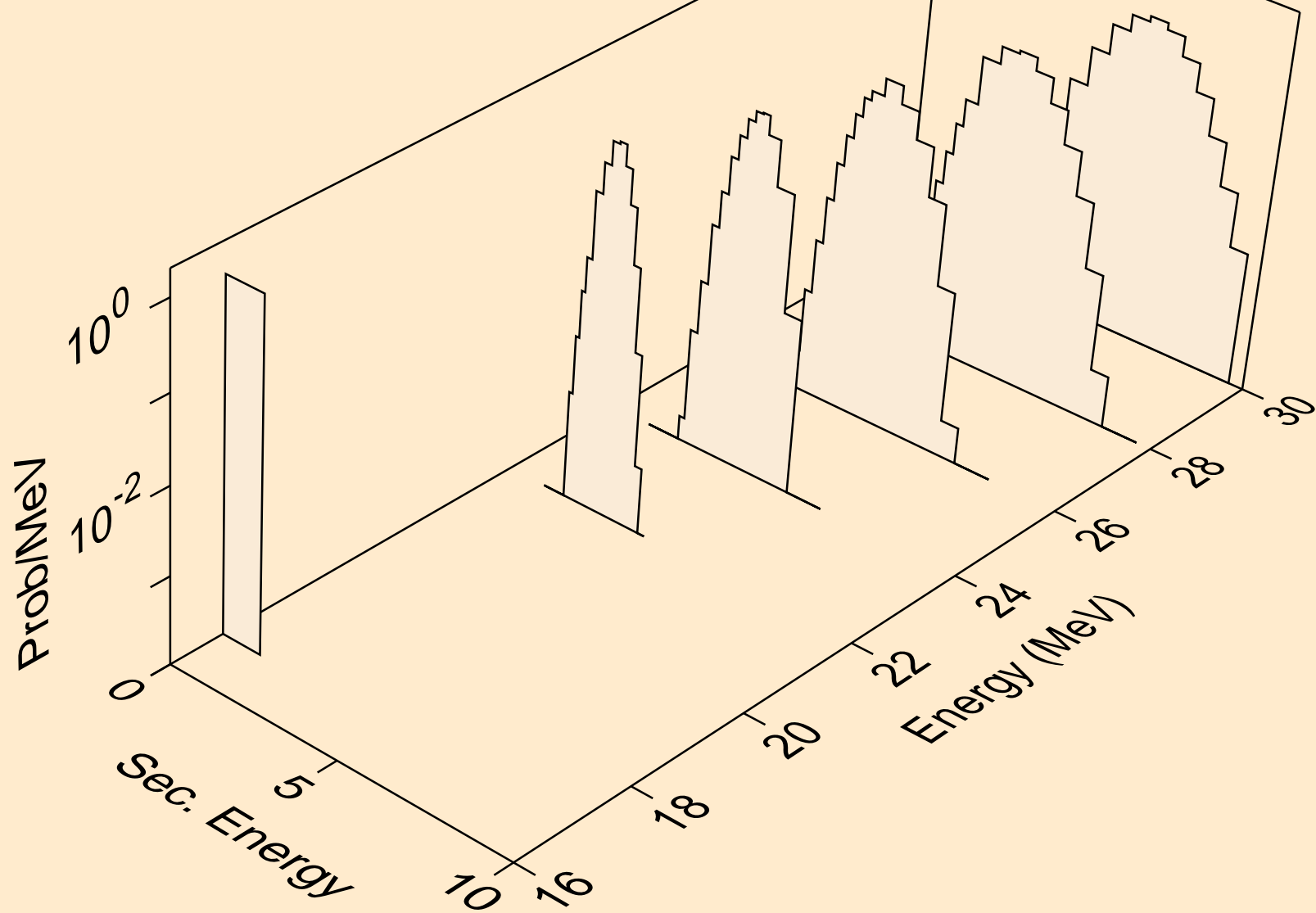
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (a,n\*)d



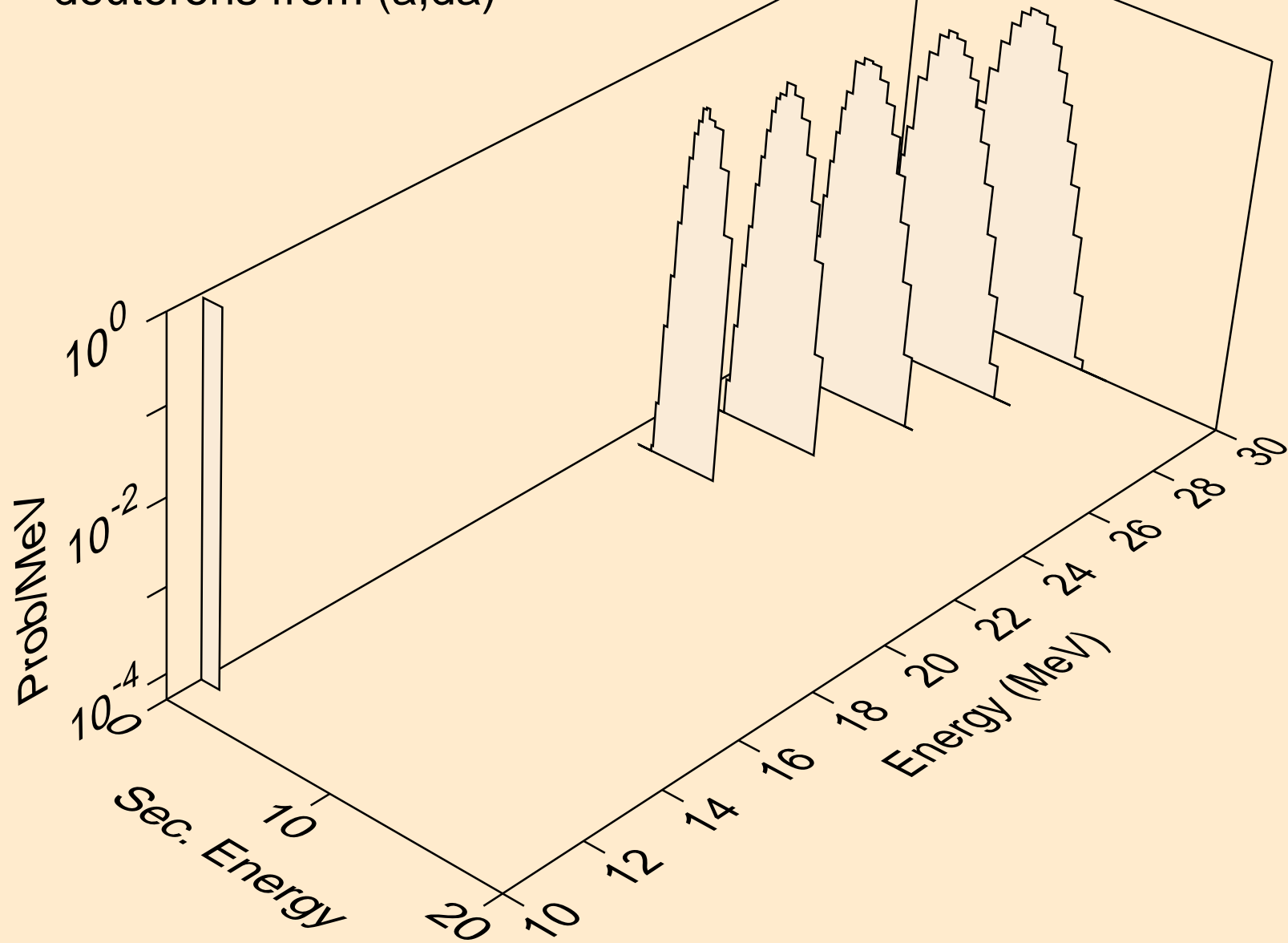
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (a,d)



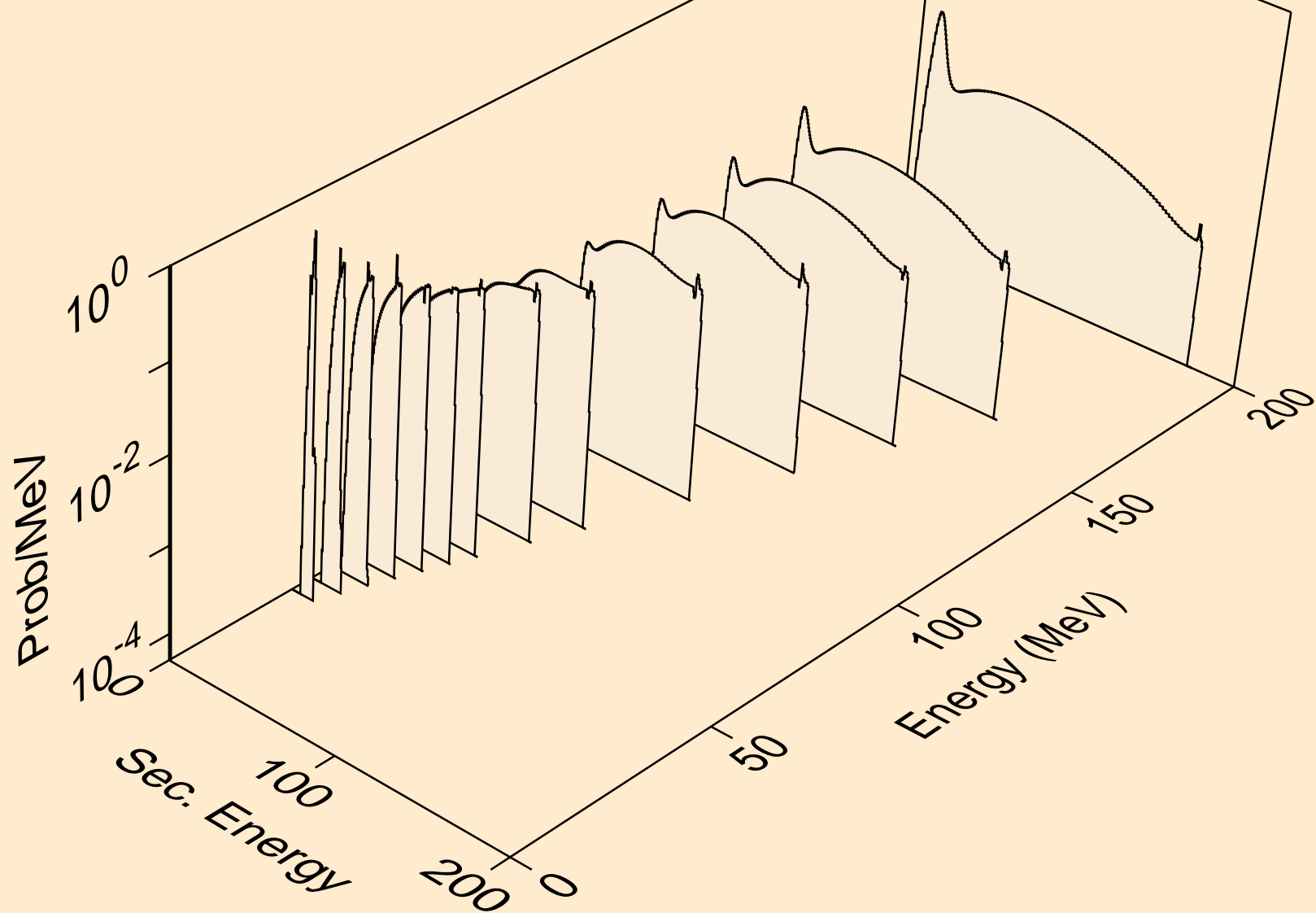
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (a,pd)



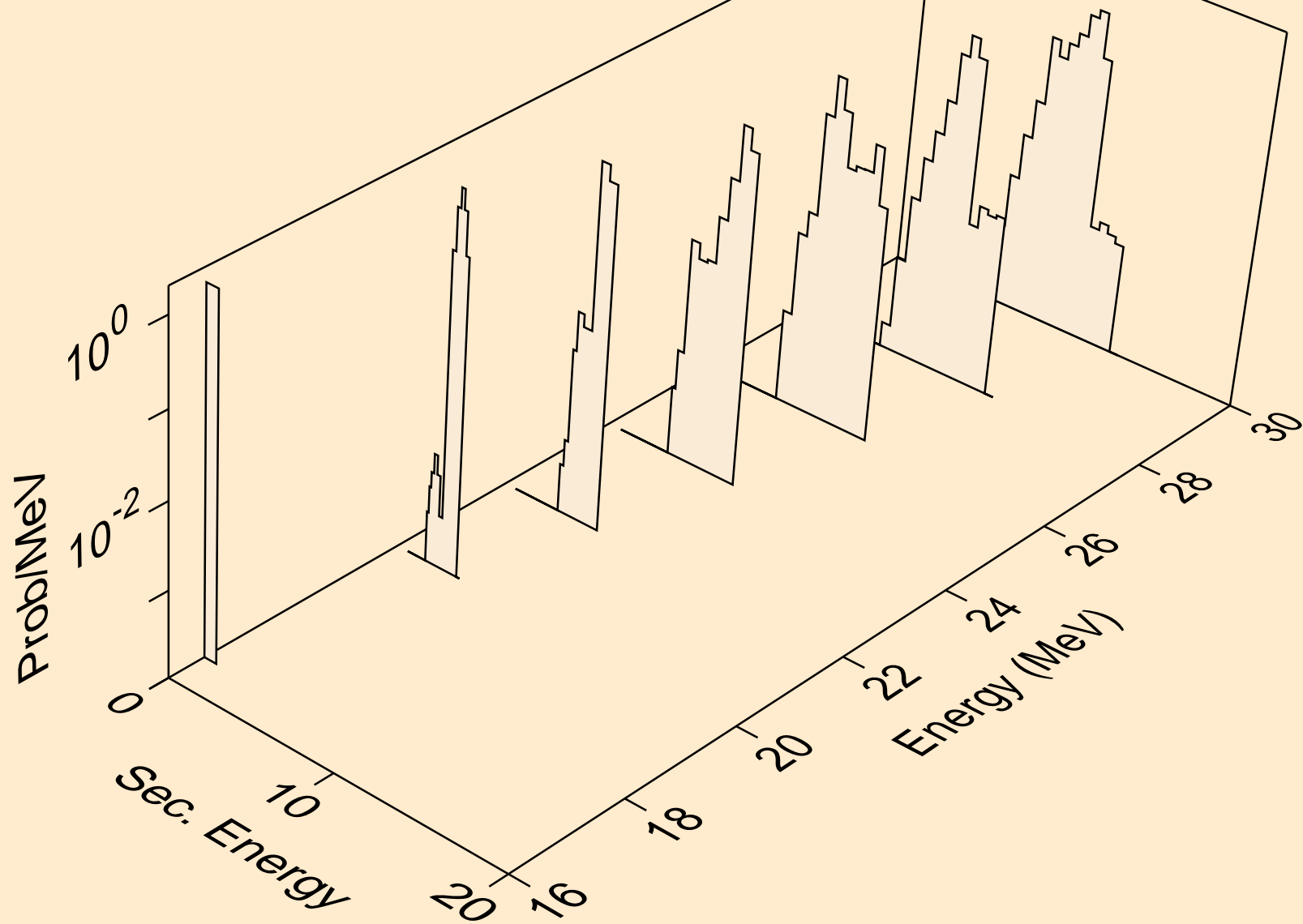
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (a,da)



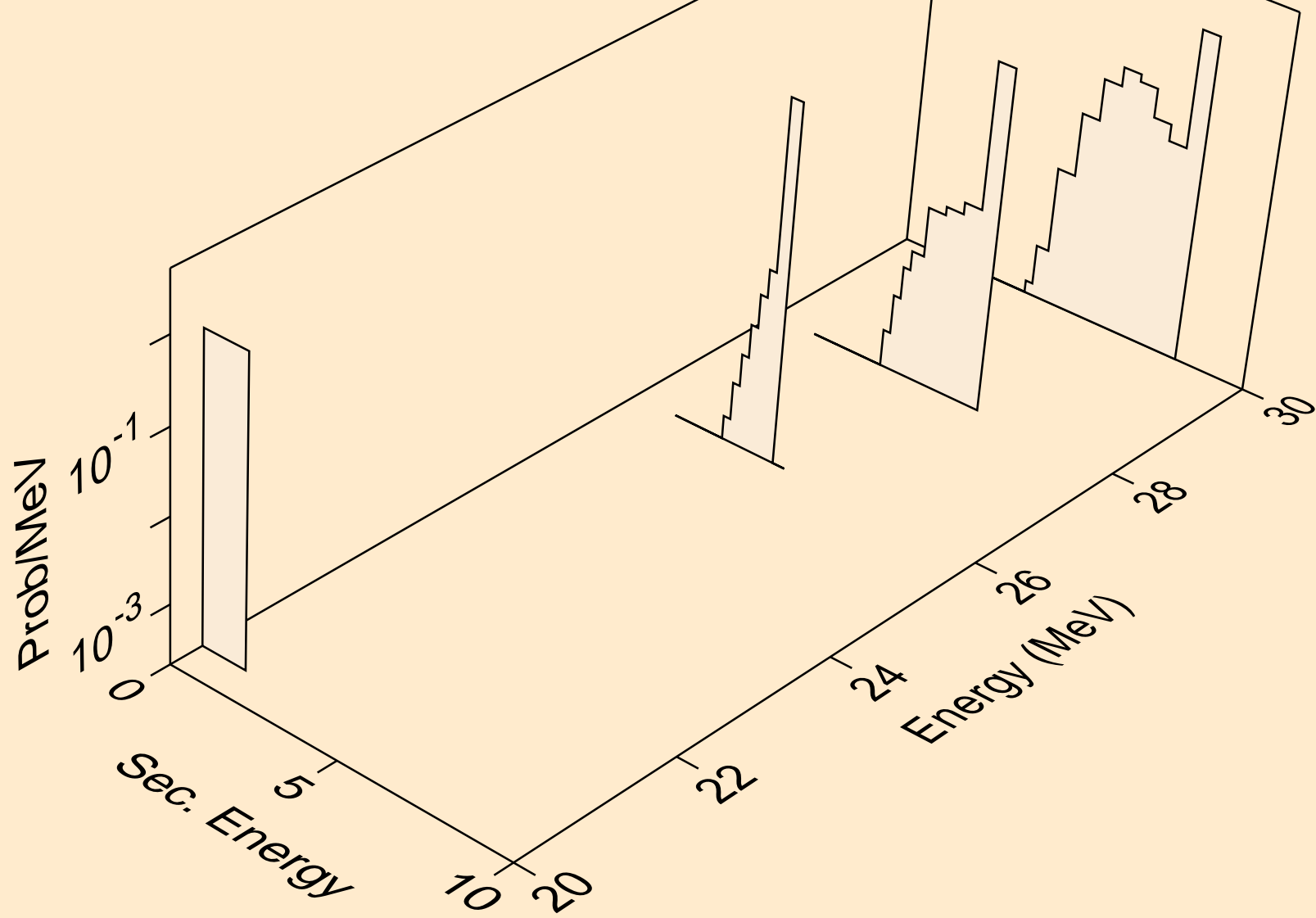
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (a,x)



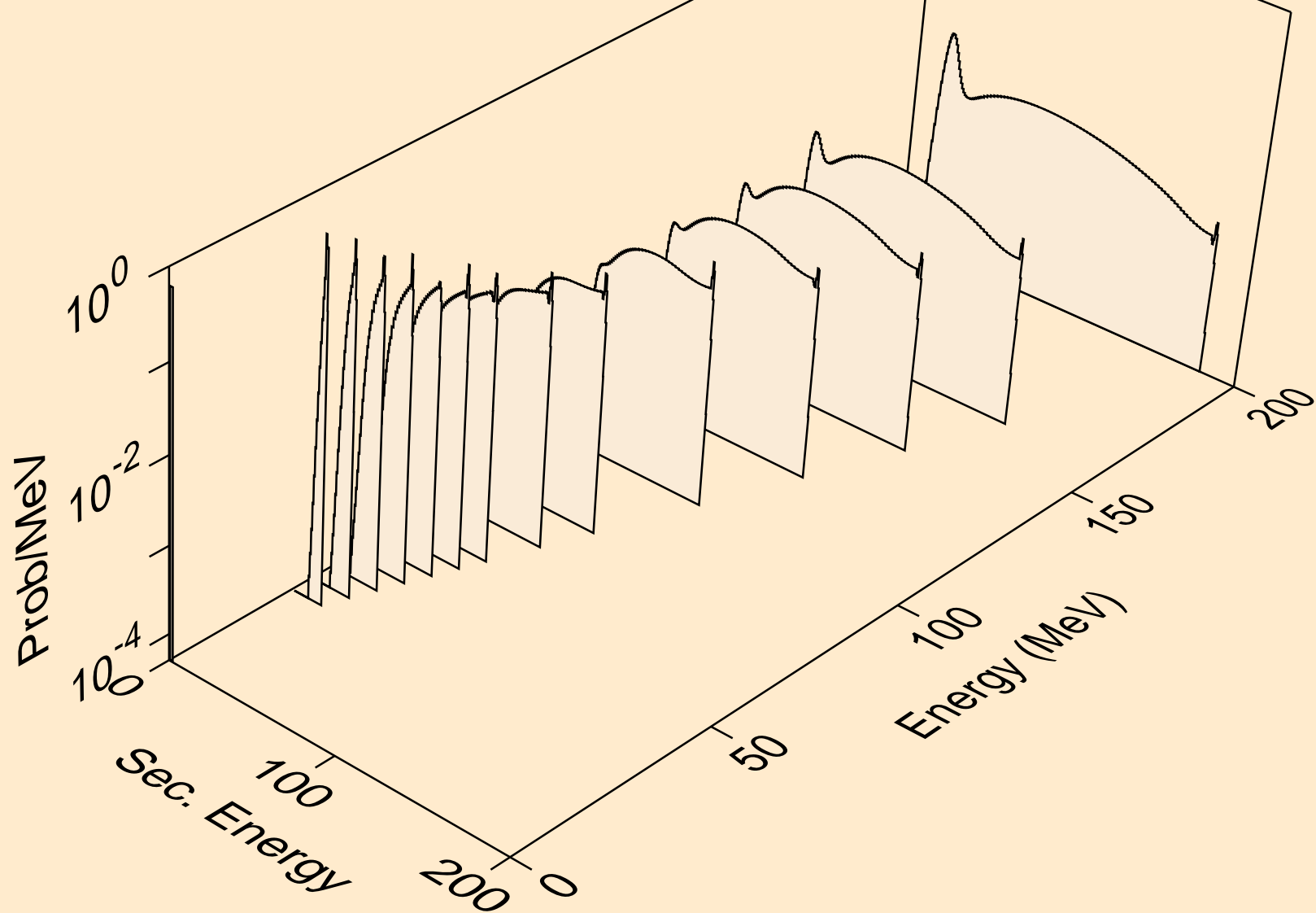
EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (a,t)



EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (a,pt)



EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (a,x)



EU139 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (a,he3)

