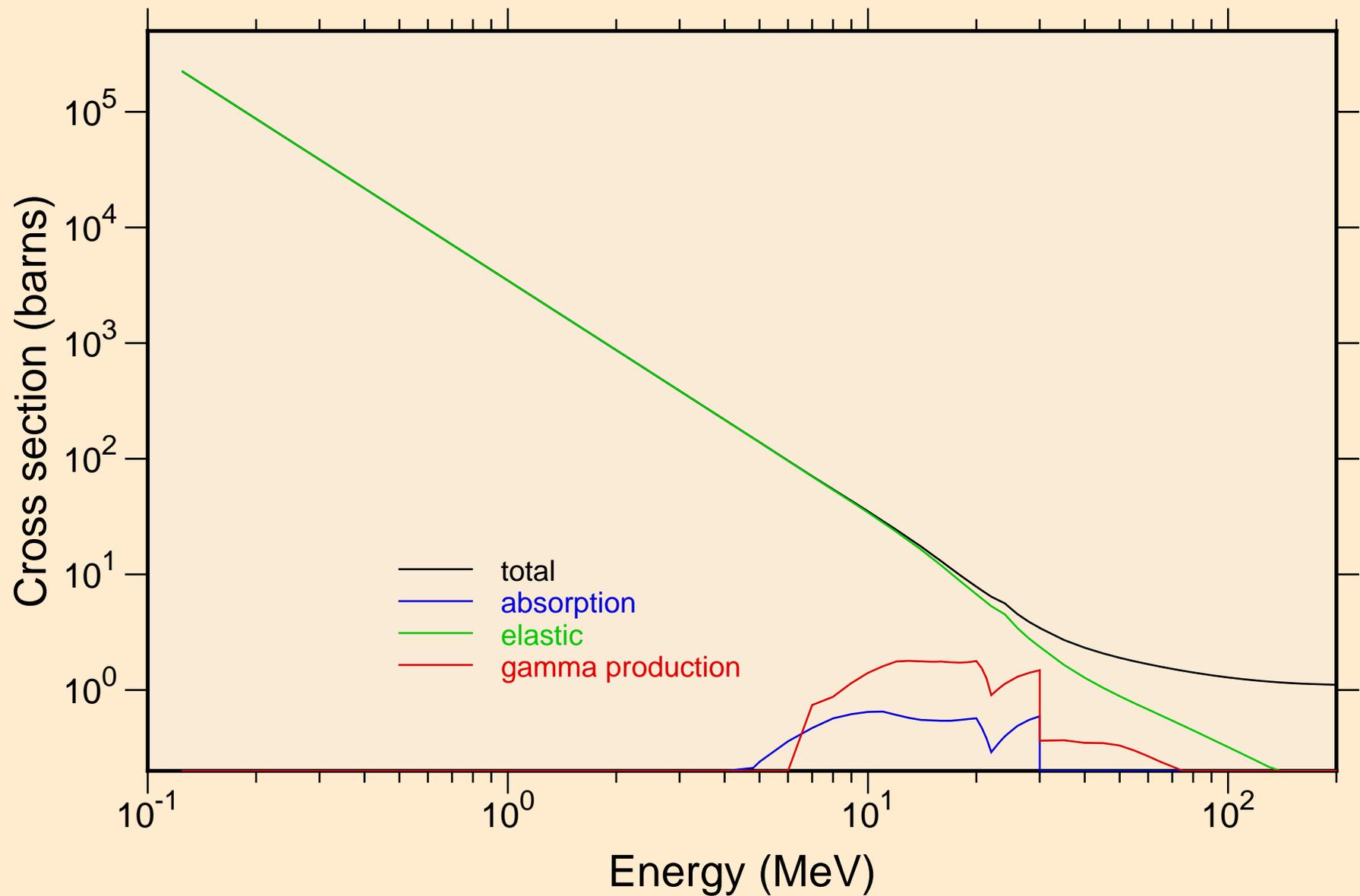


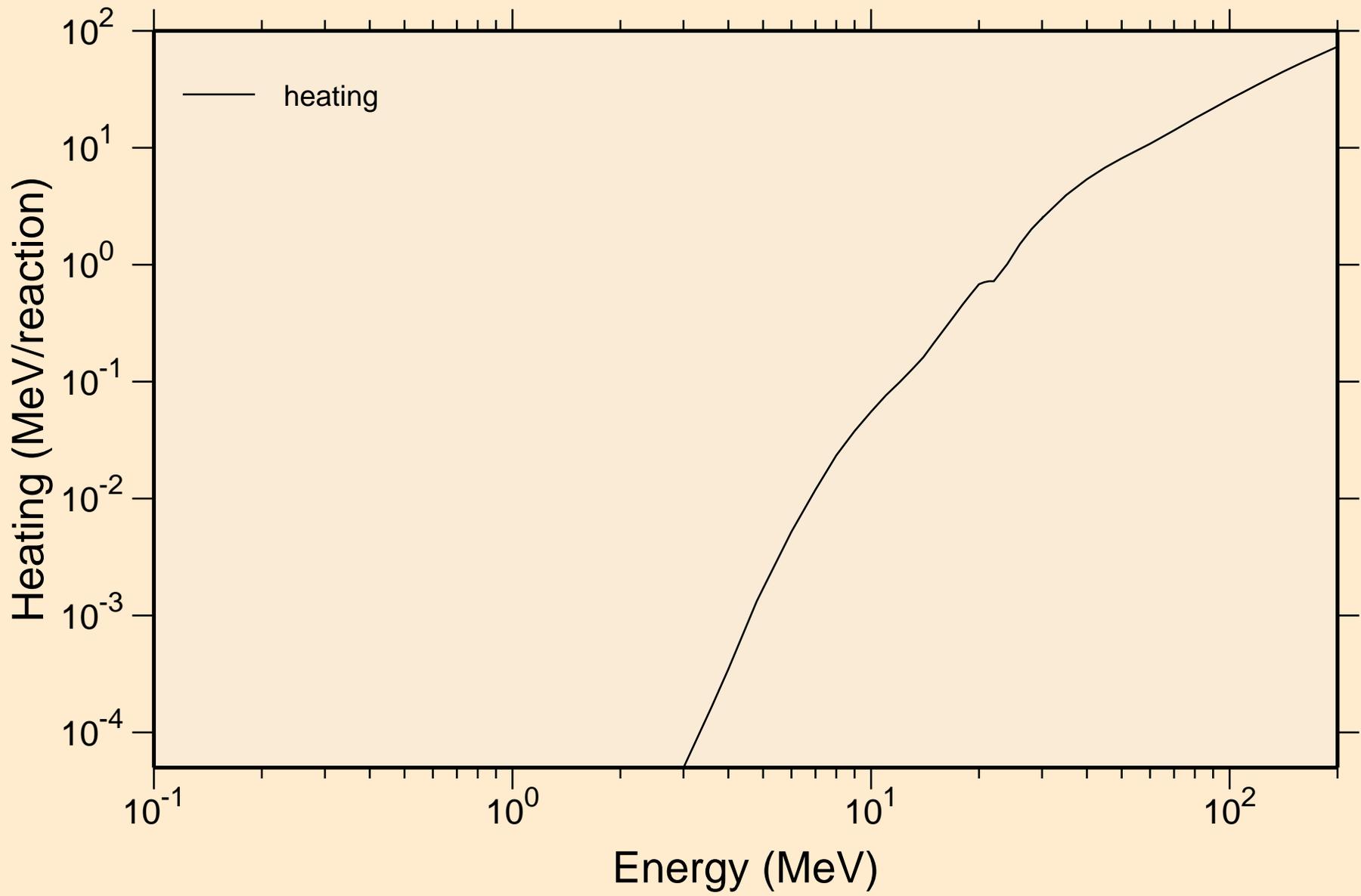
# NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



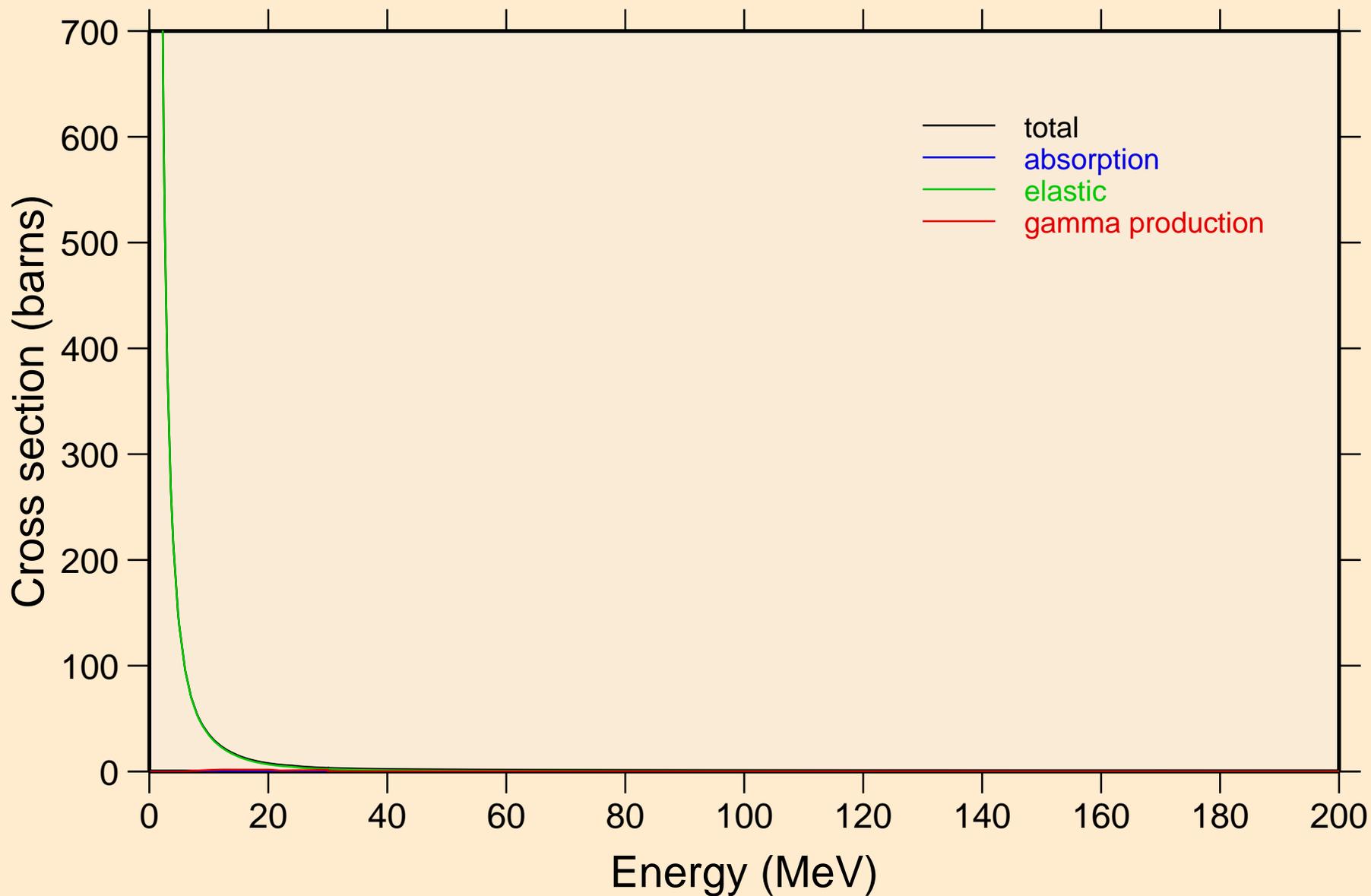
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Heating



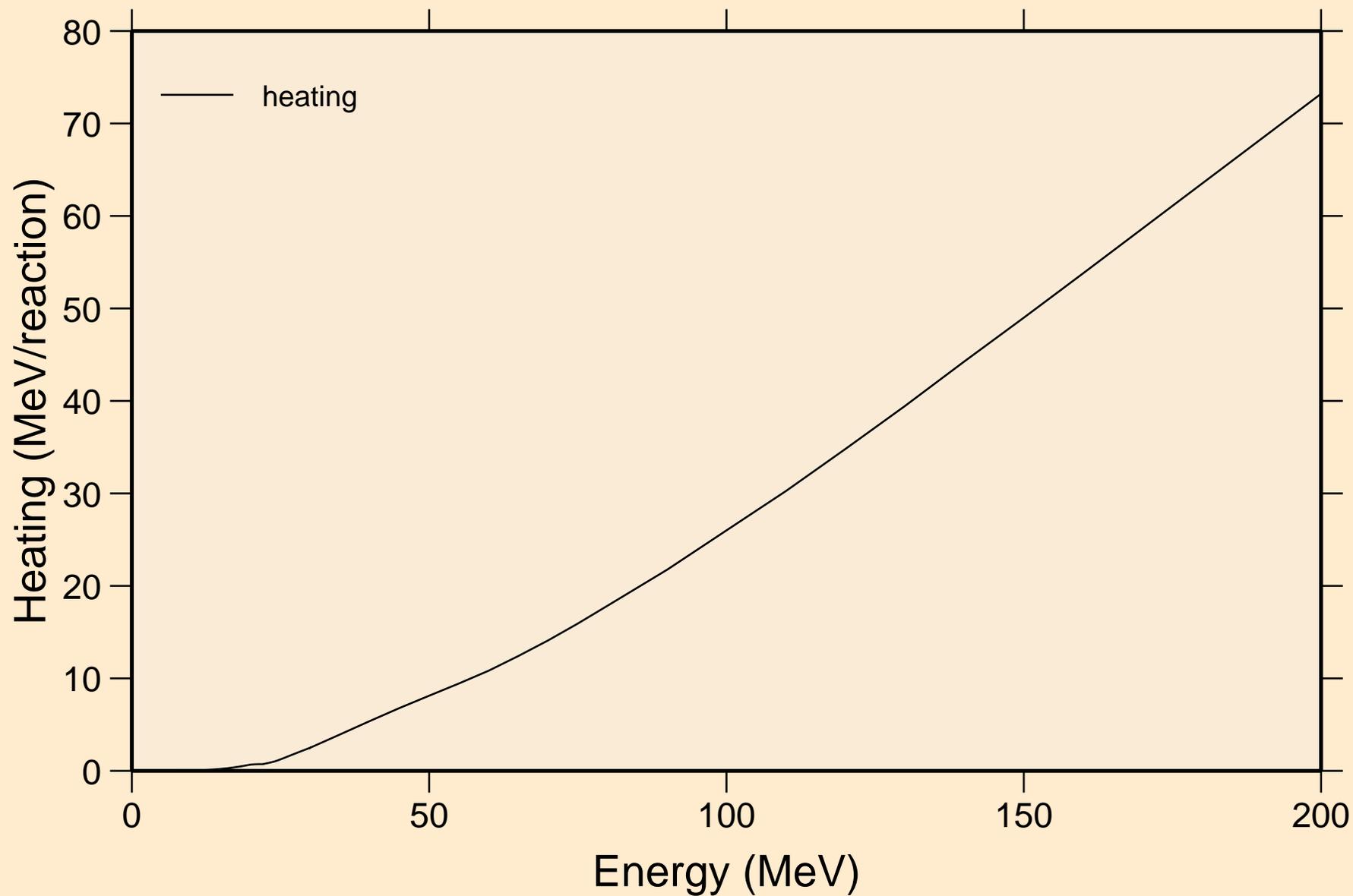
# NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

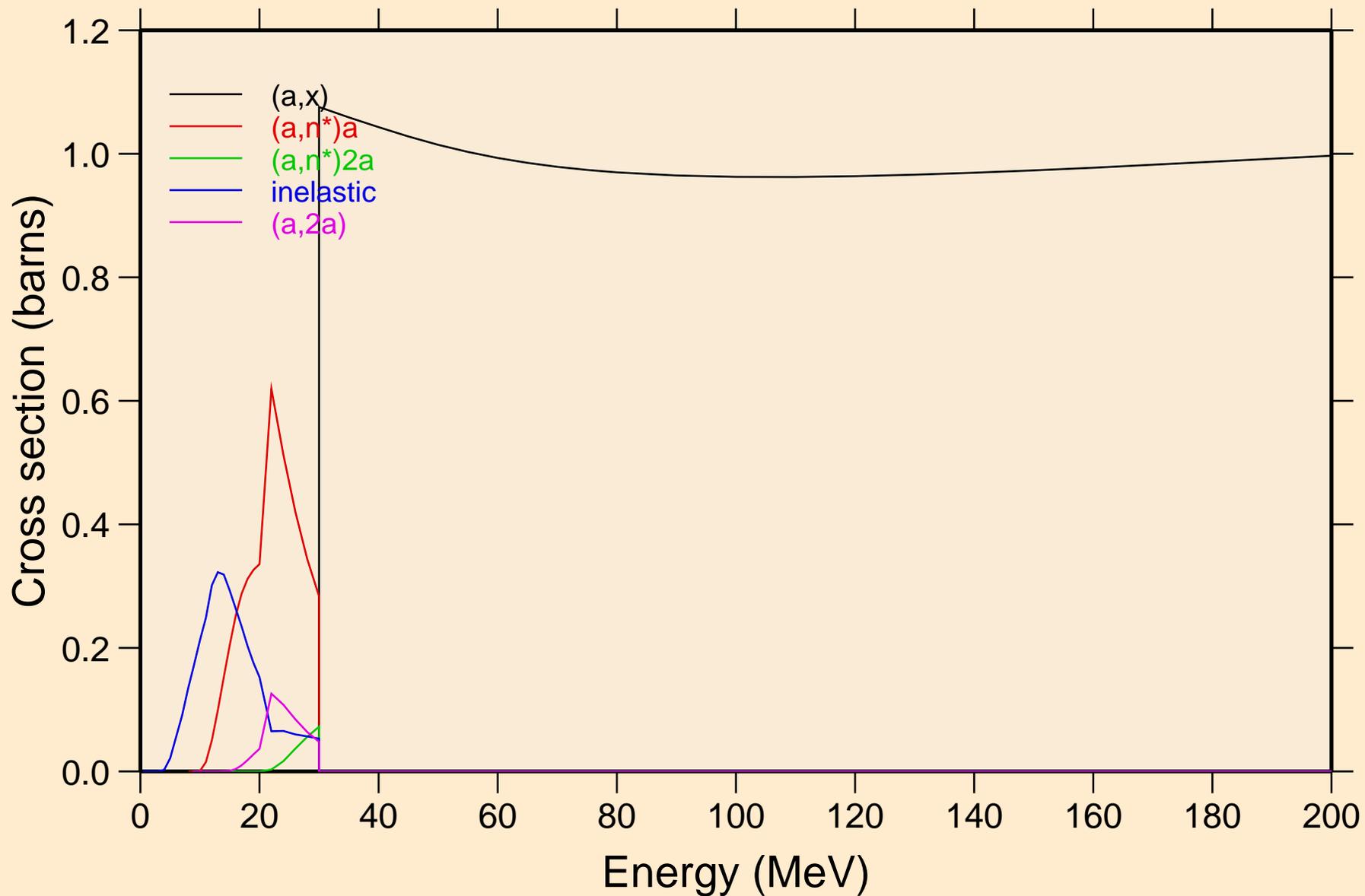


NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

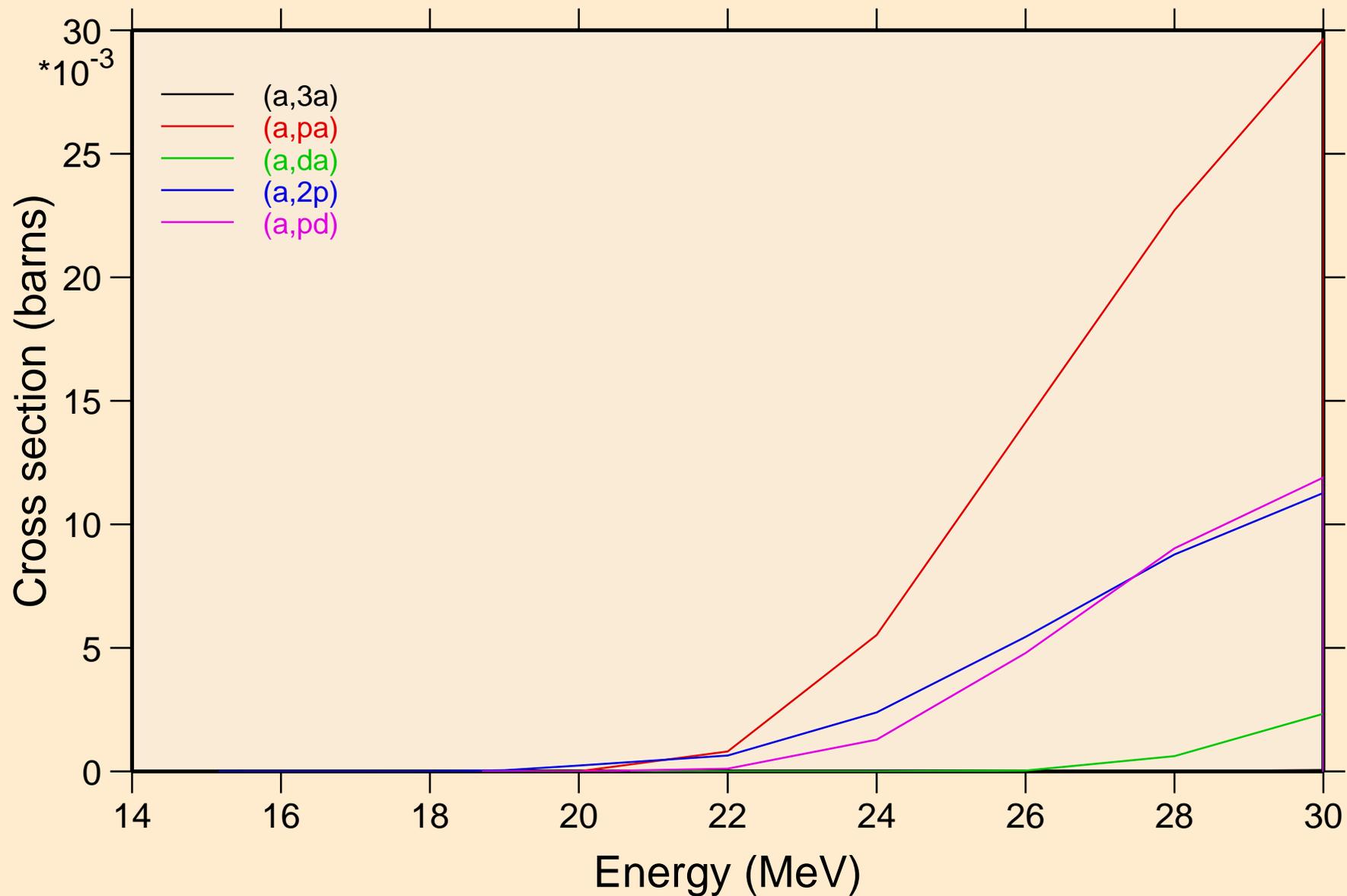
Heating



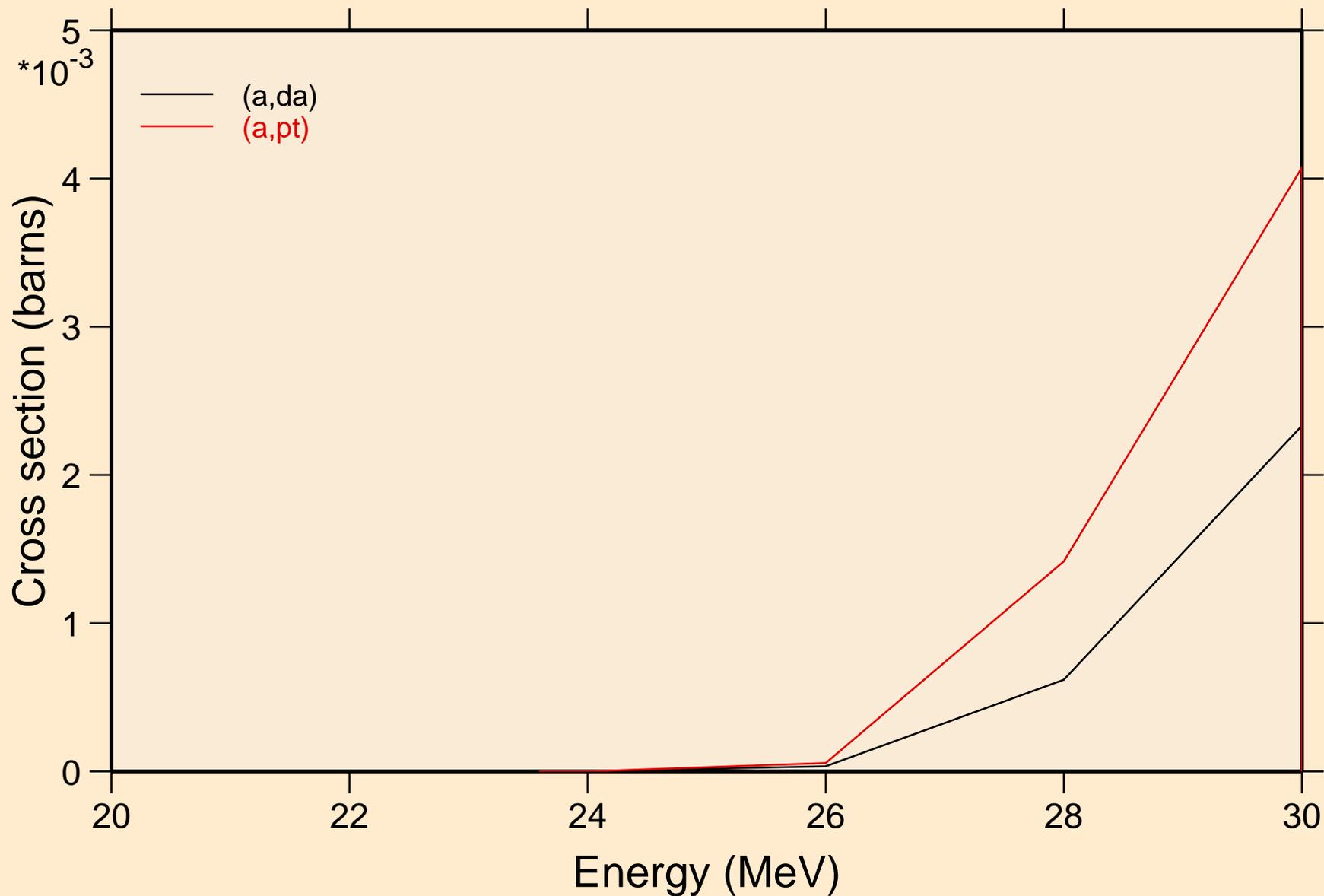
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



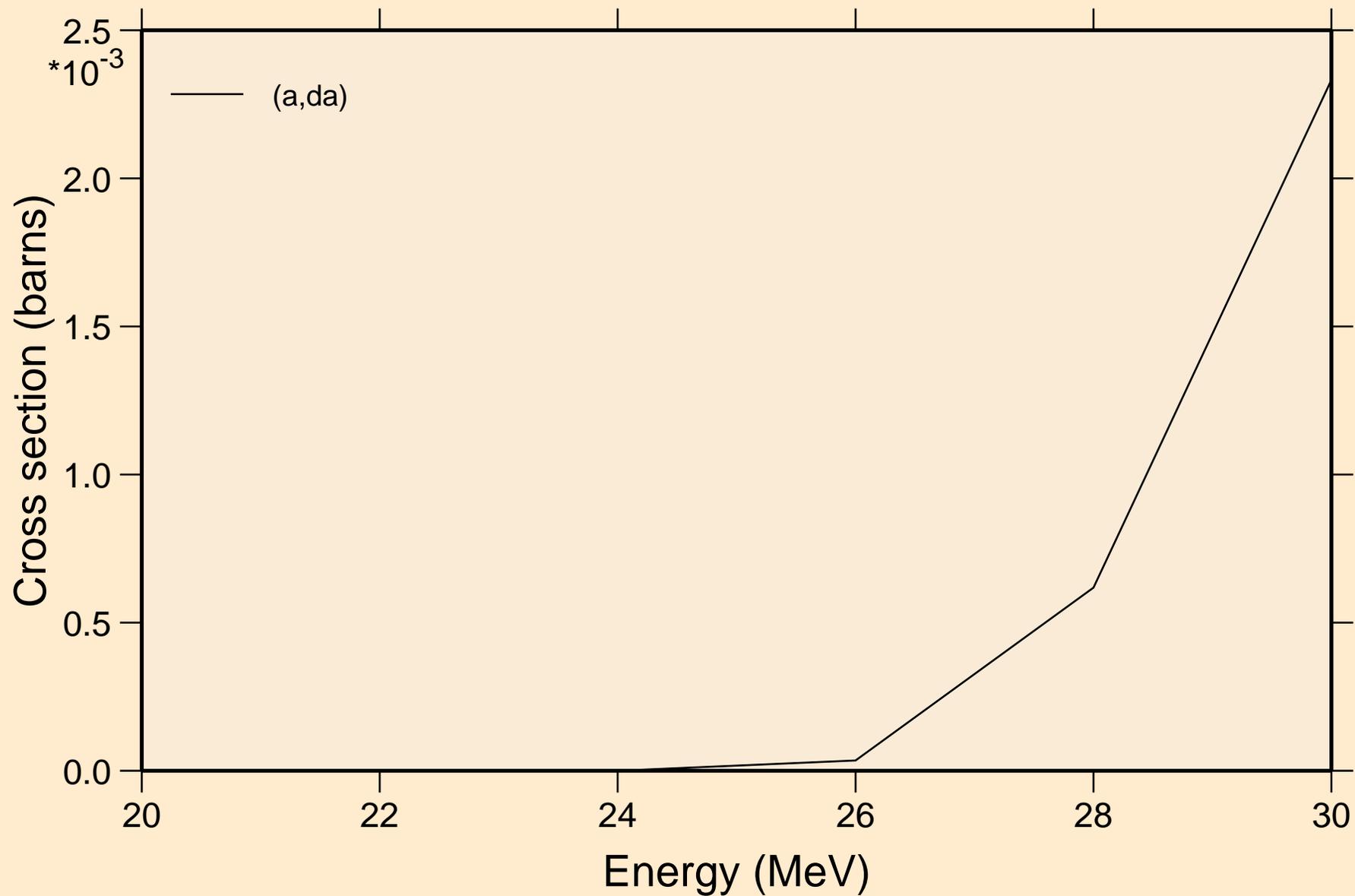
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



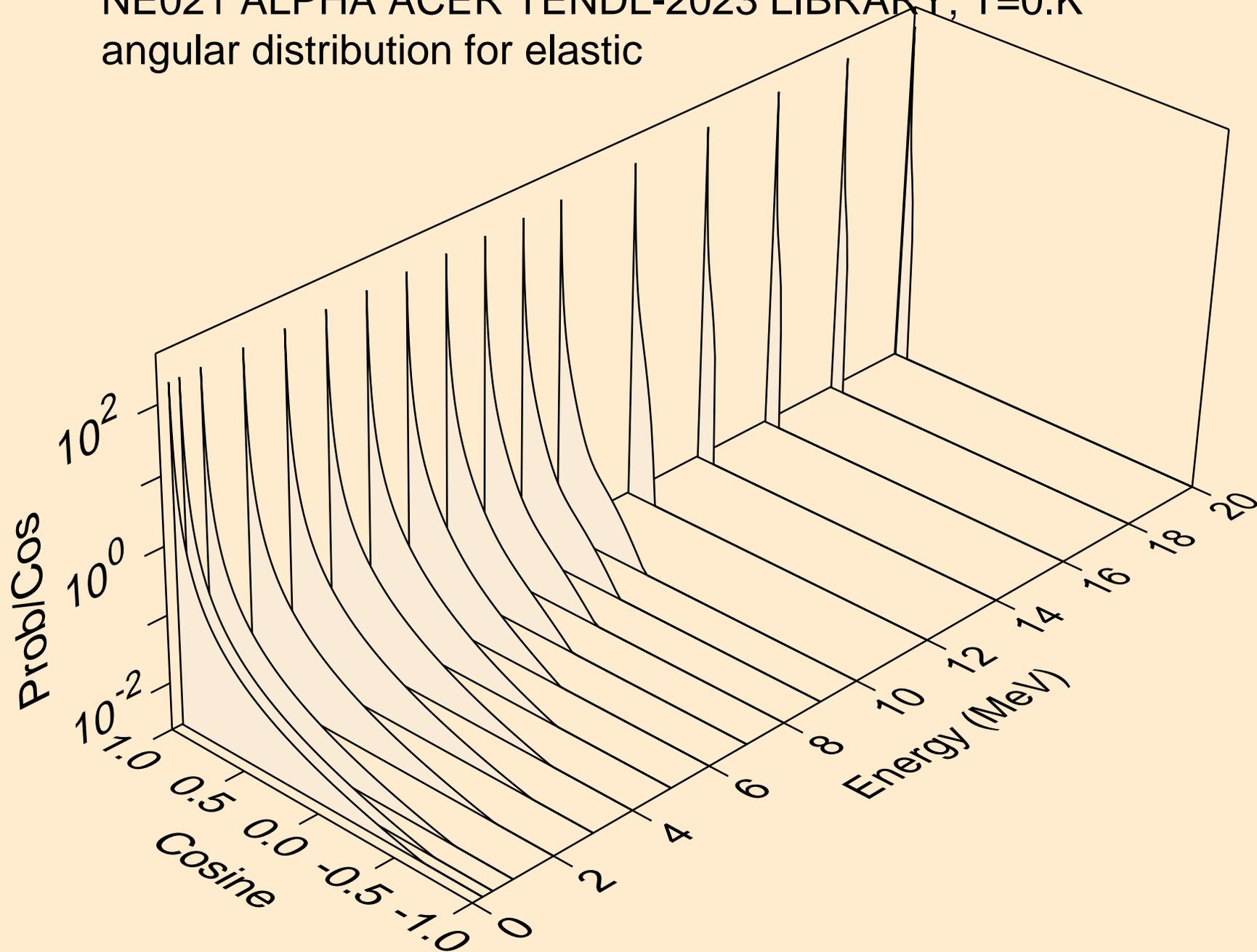
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



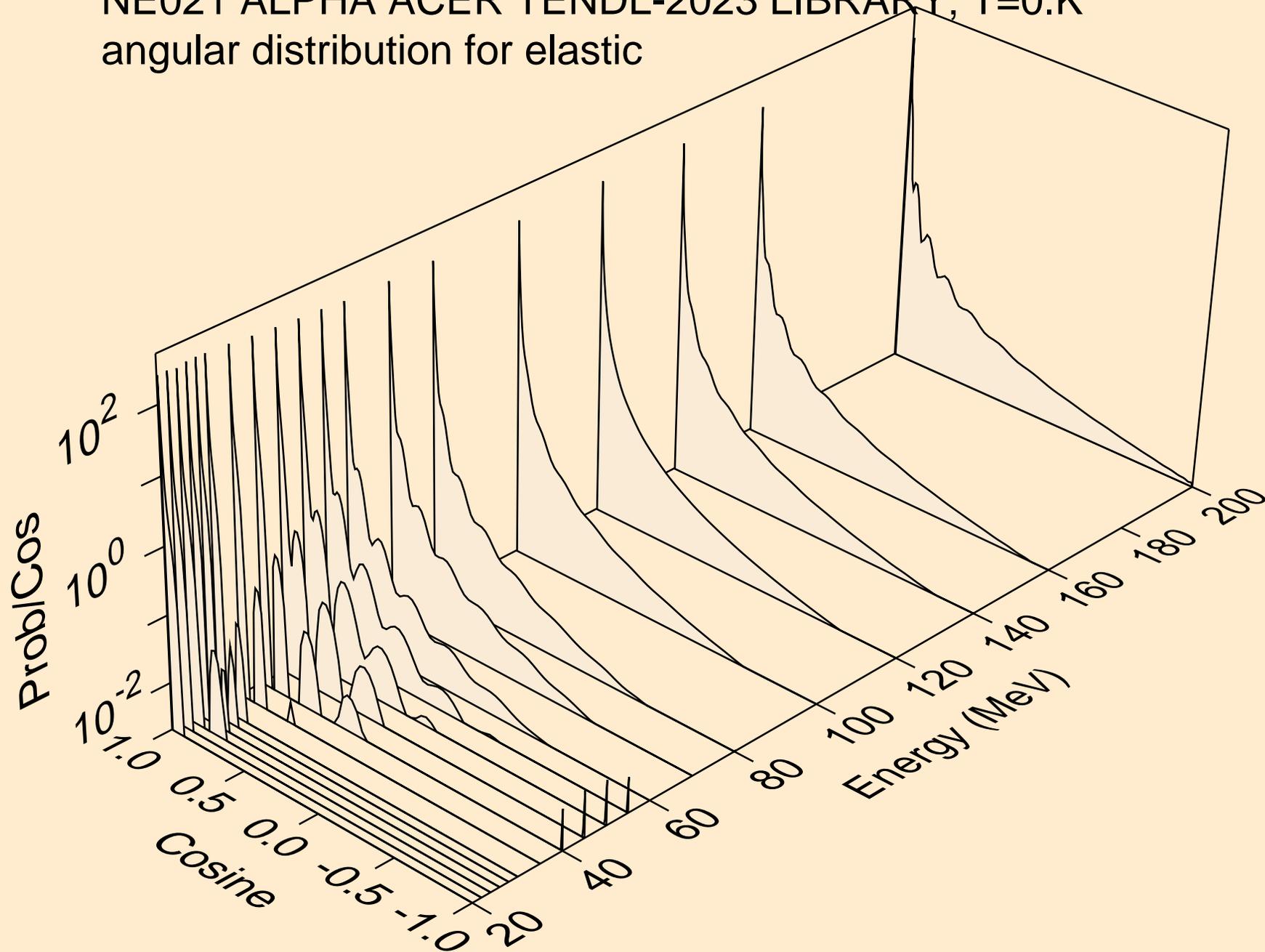
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



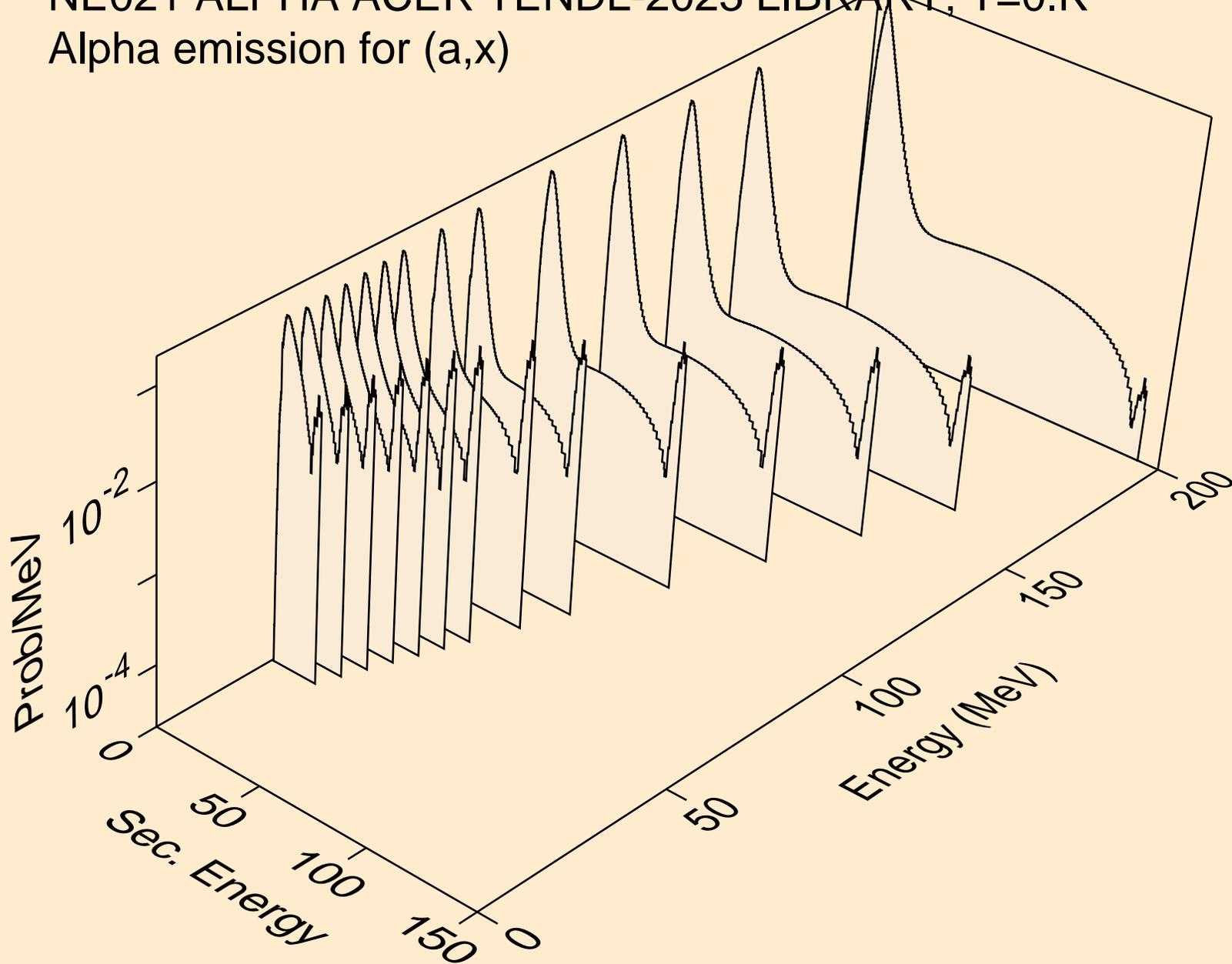
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



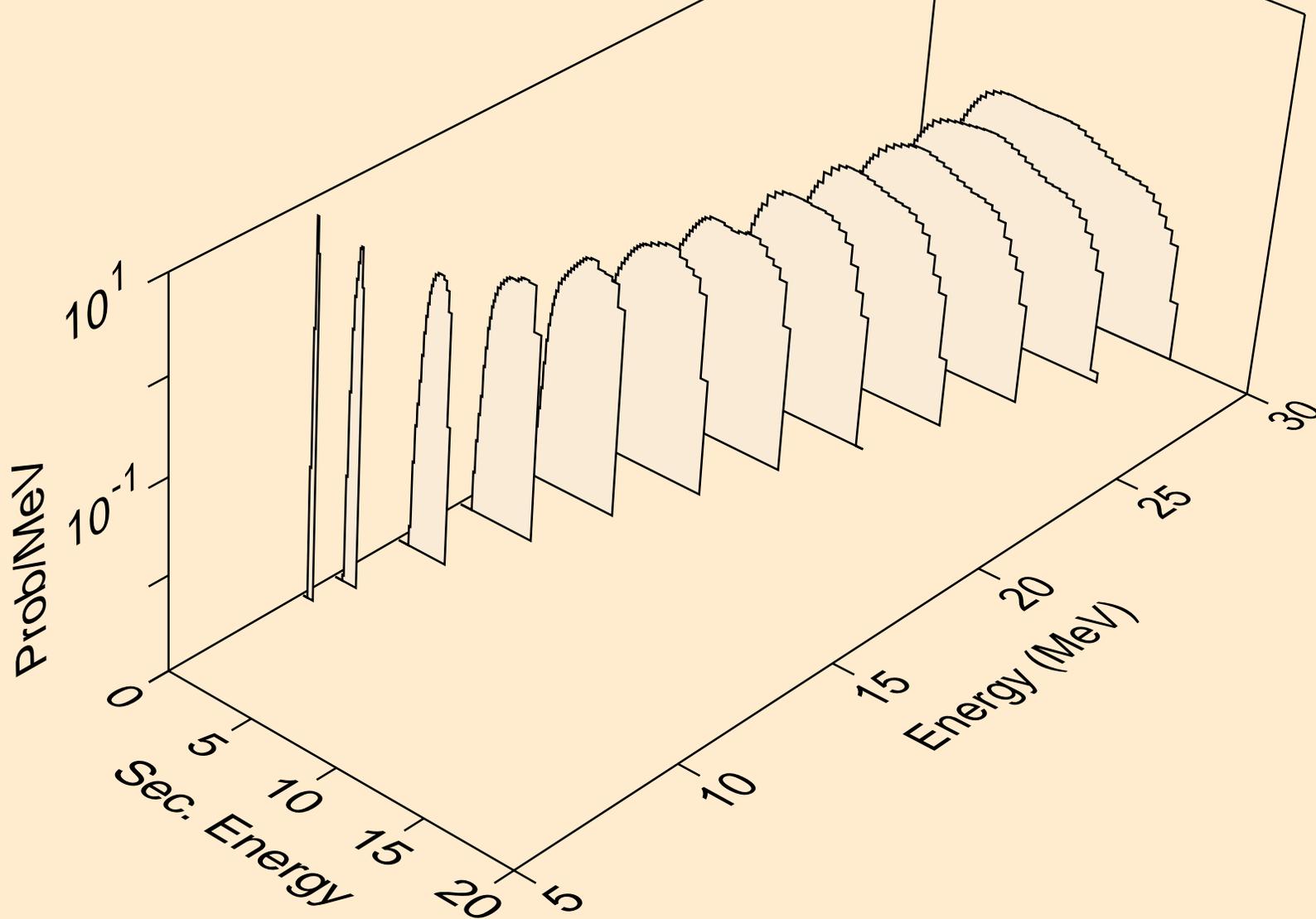
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



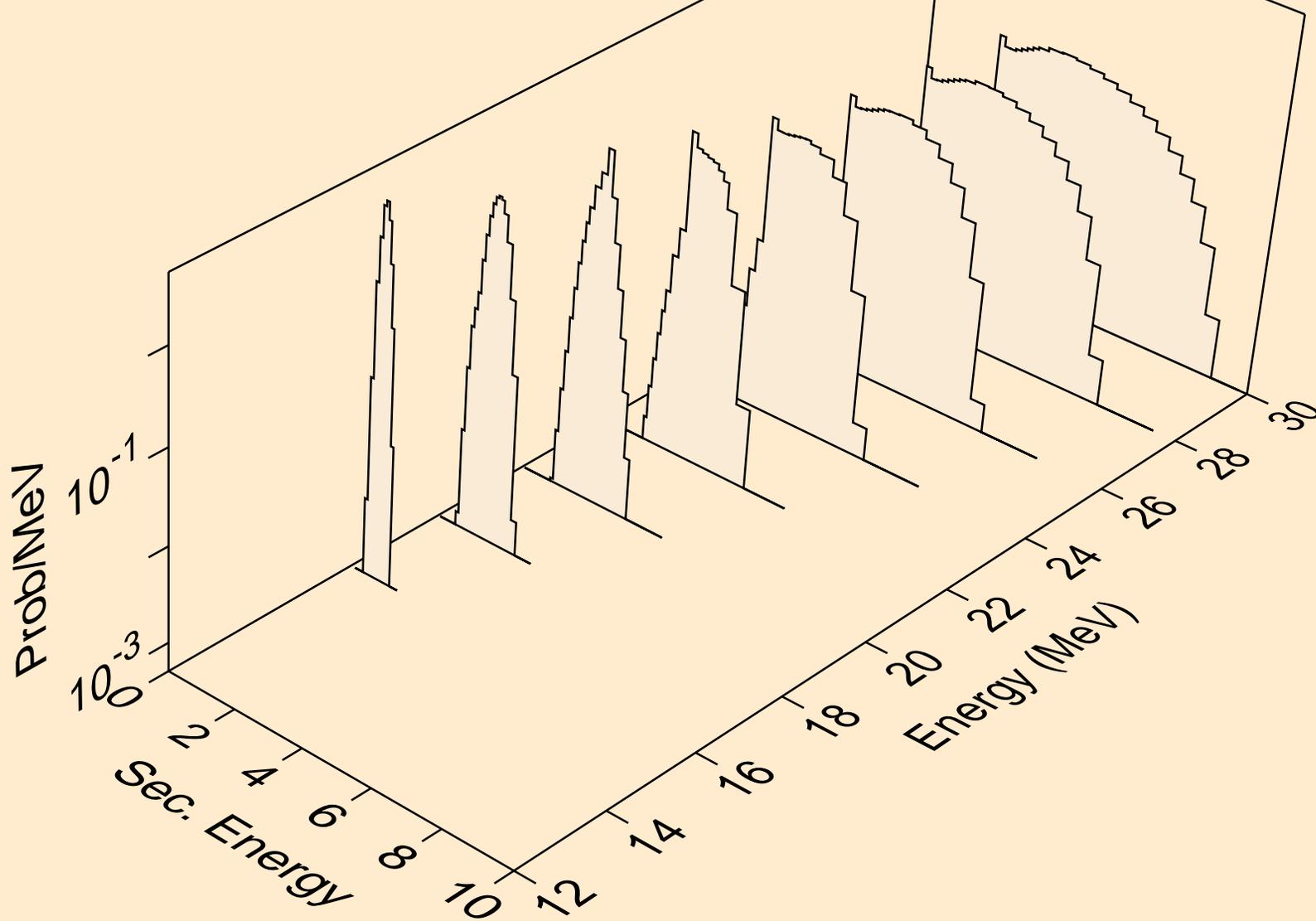
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,x)



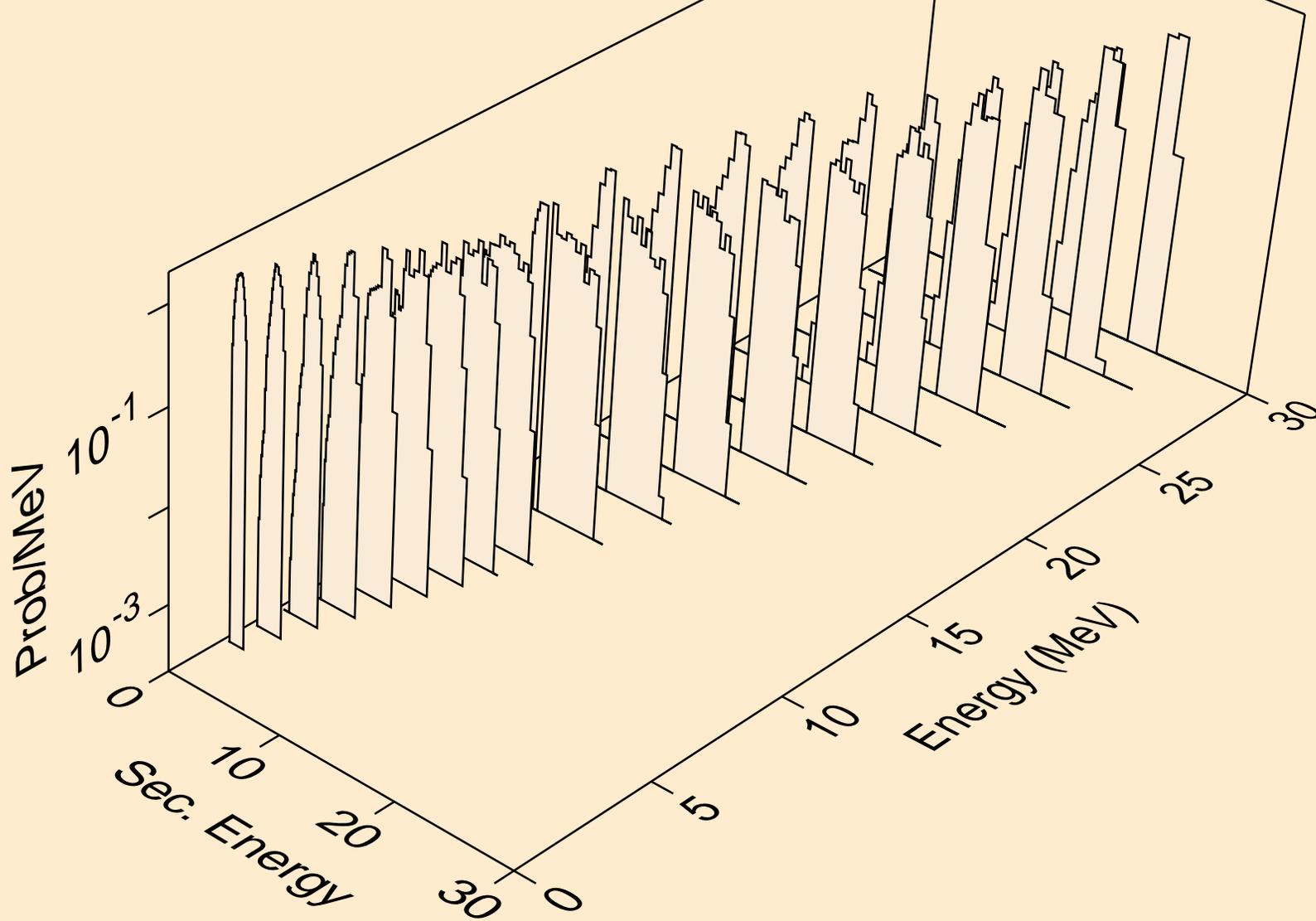
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,n\*)a



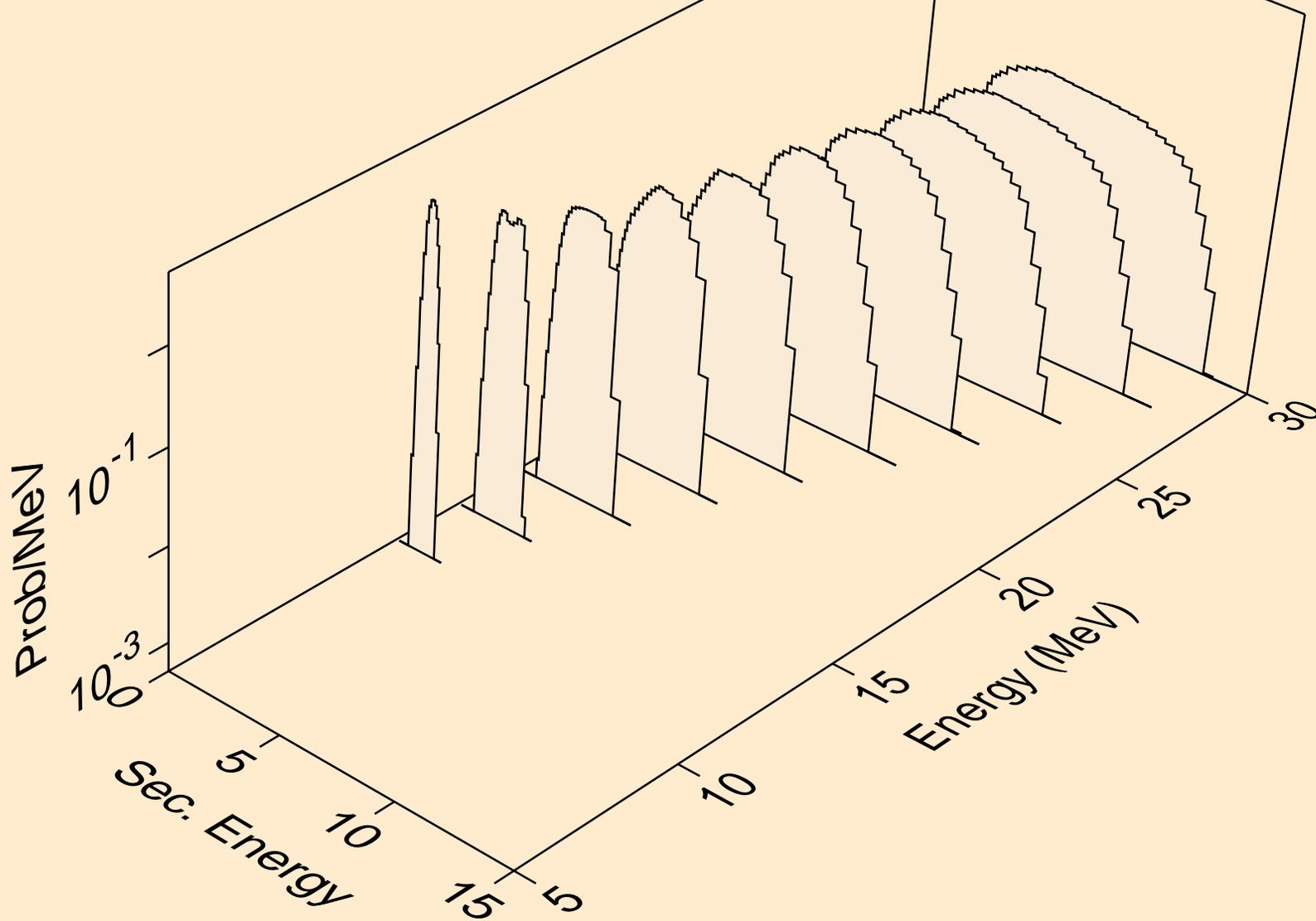
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,n\*)2a



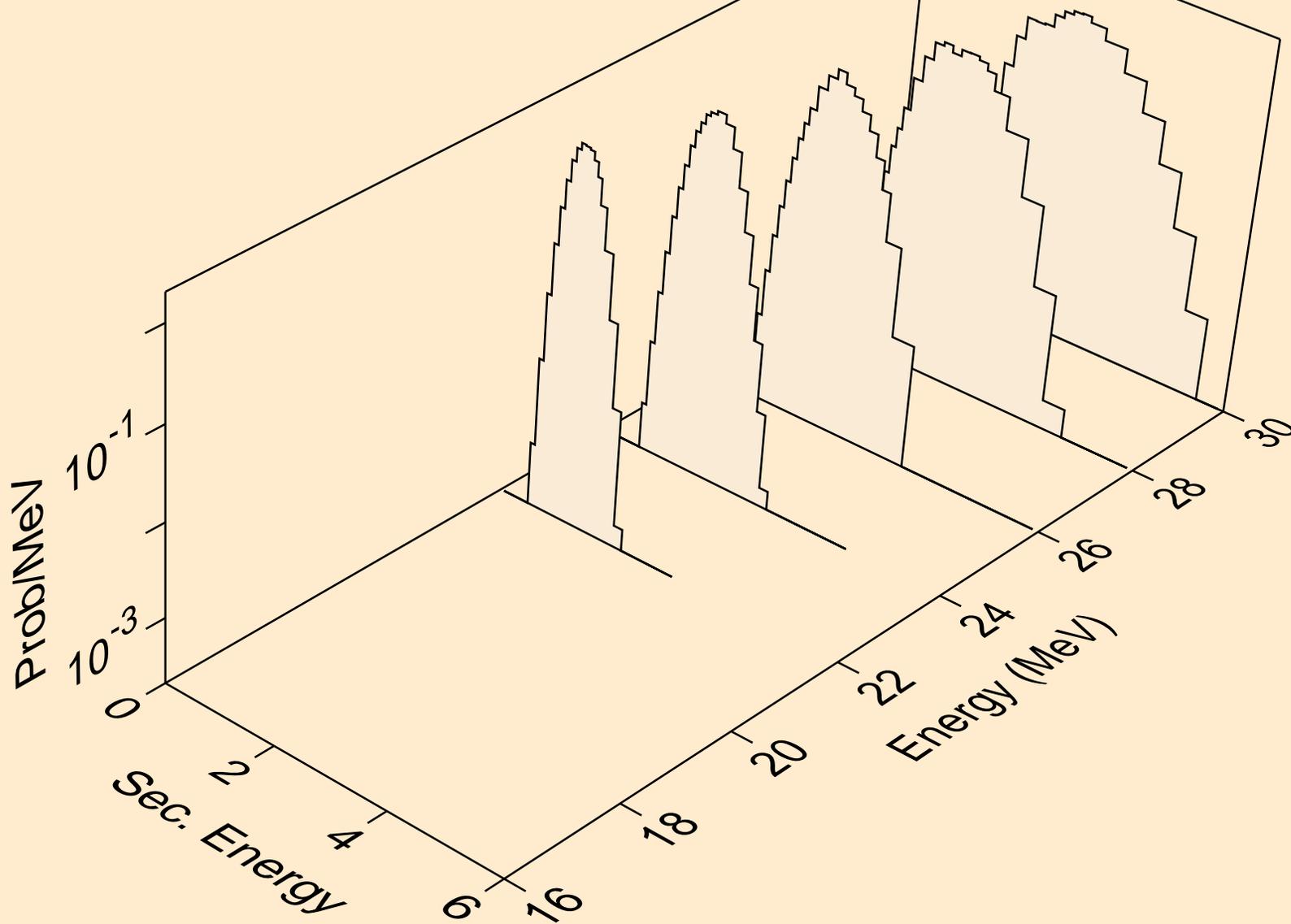
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for inelastic



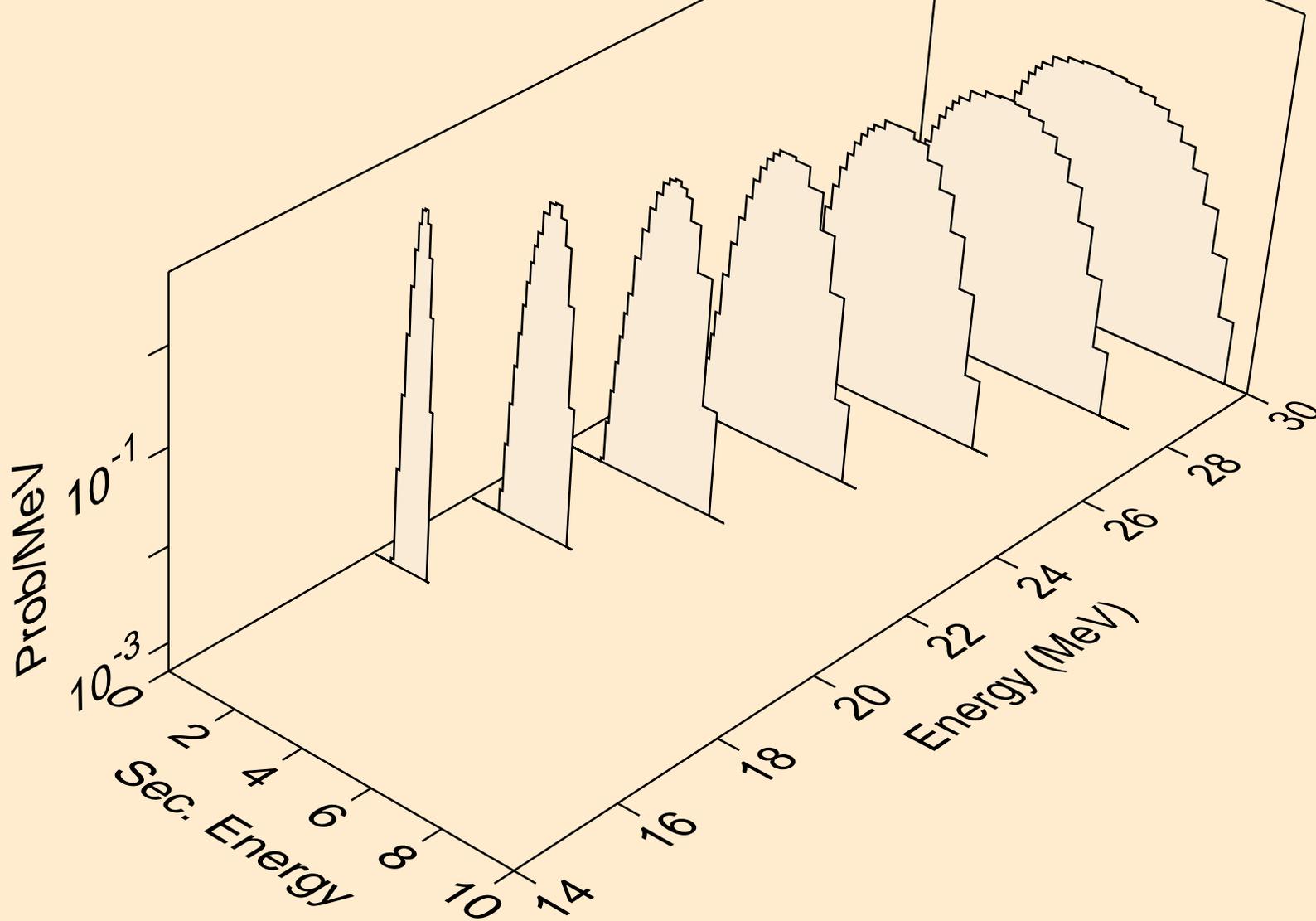
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,2a)



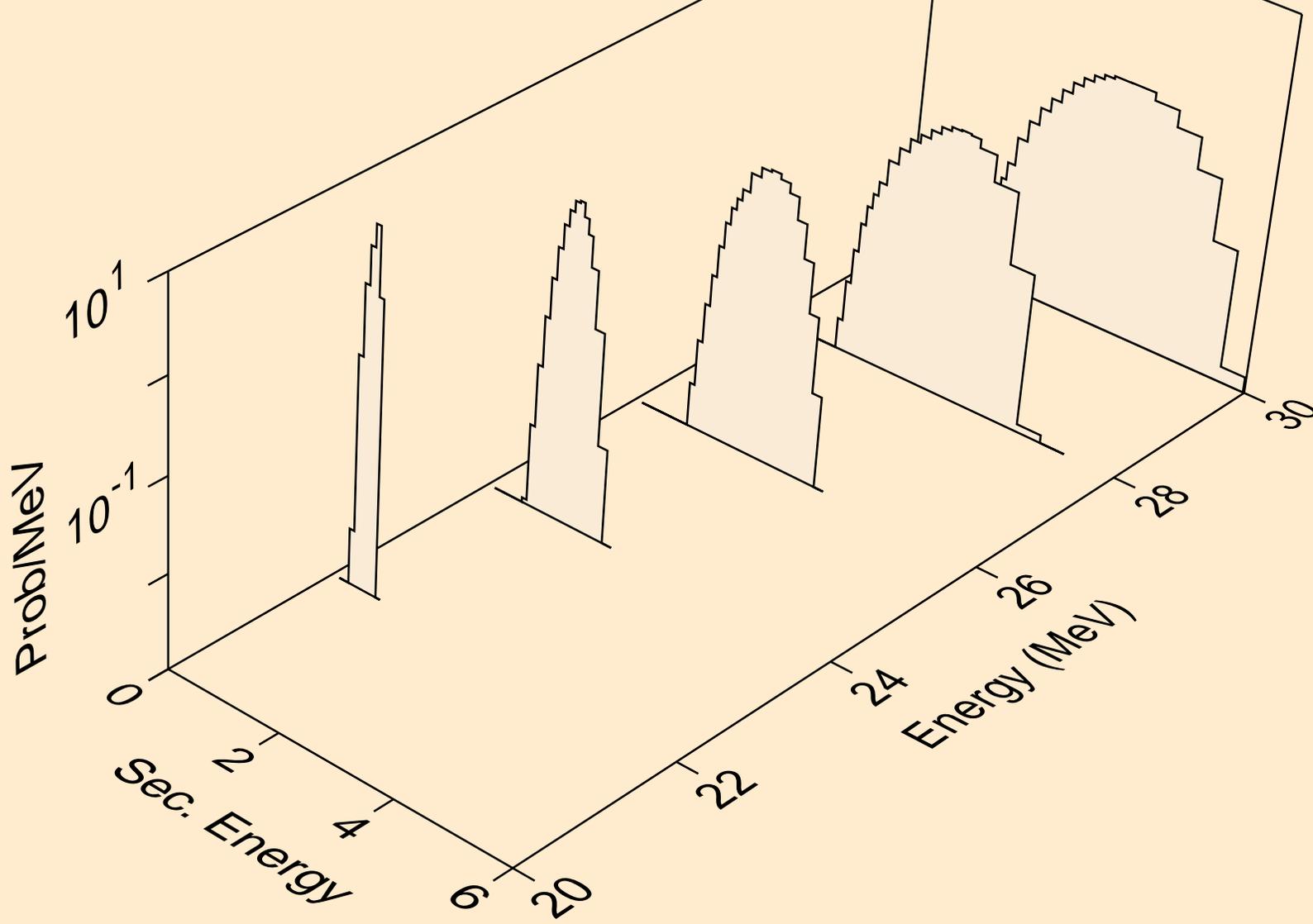
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,3a)



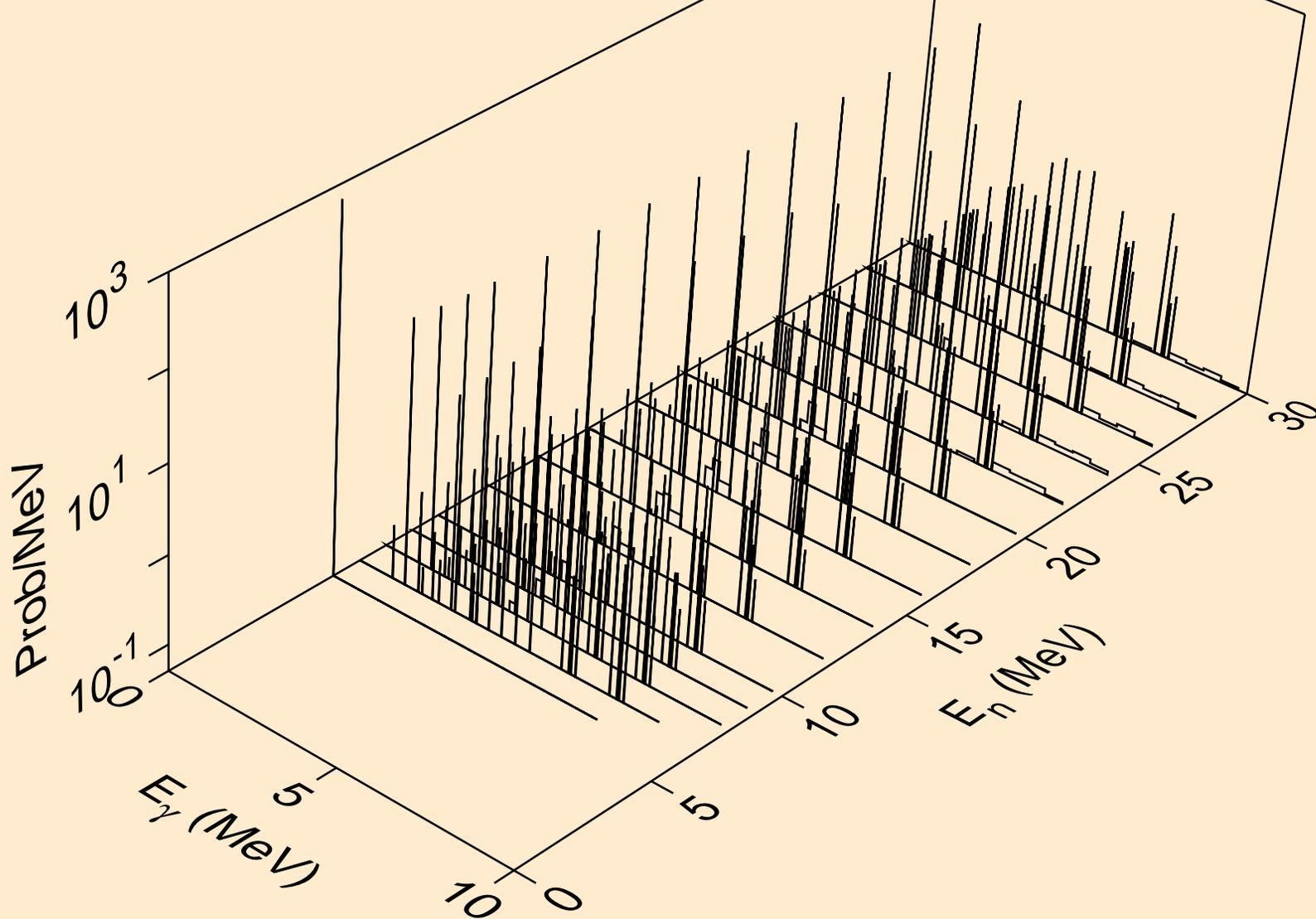
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,pa)



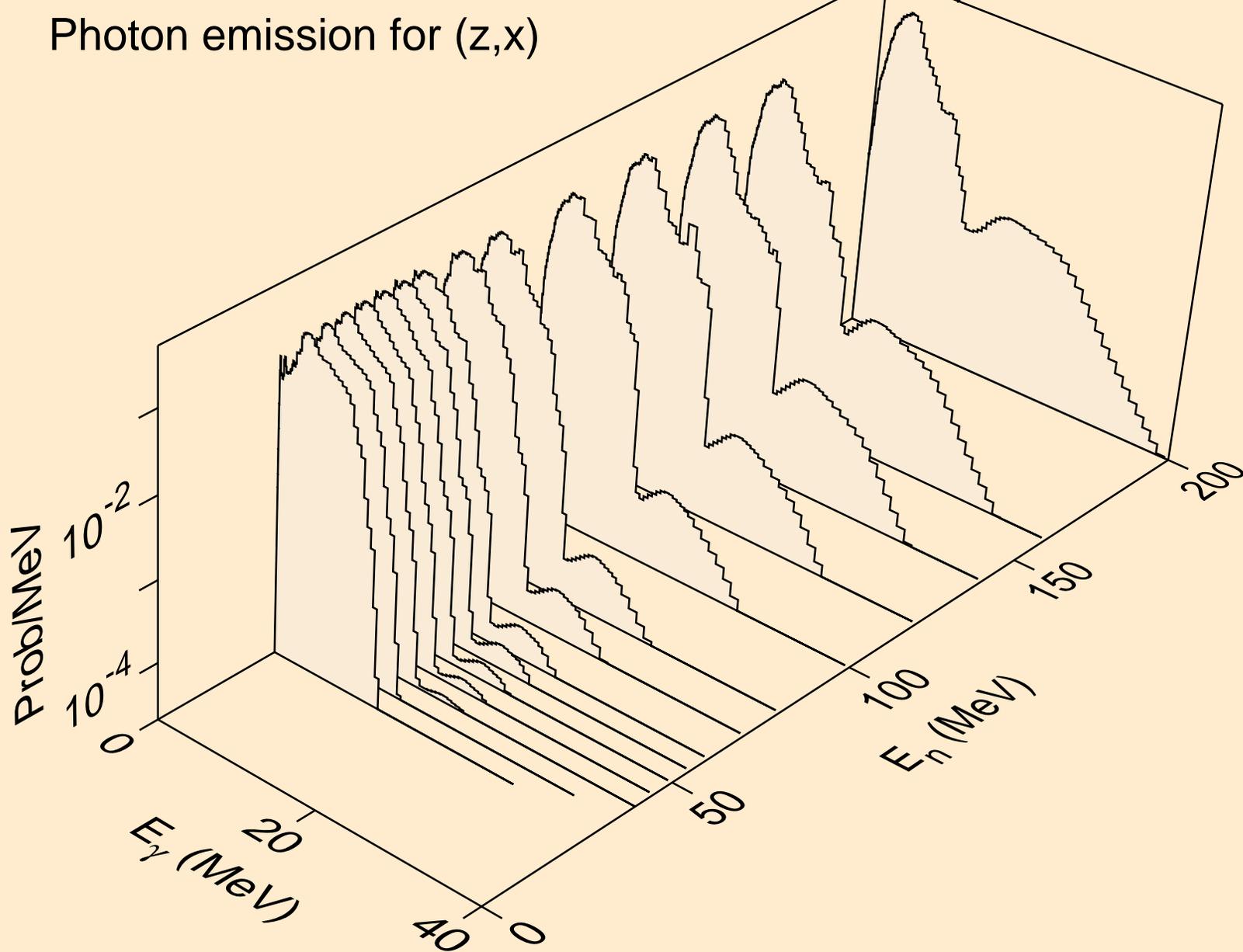
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,da)



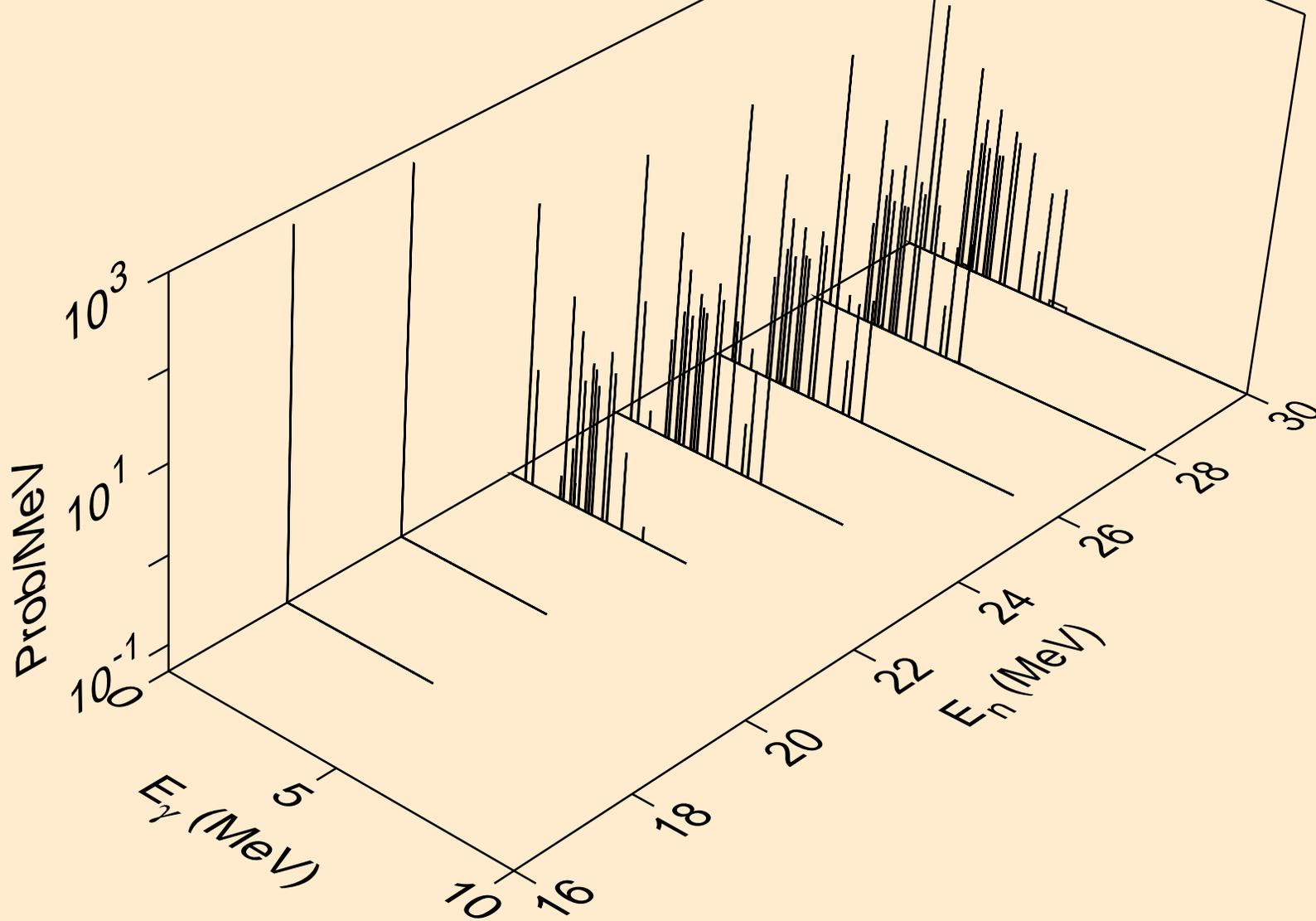
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



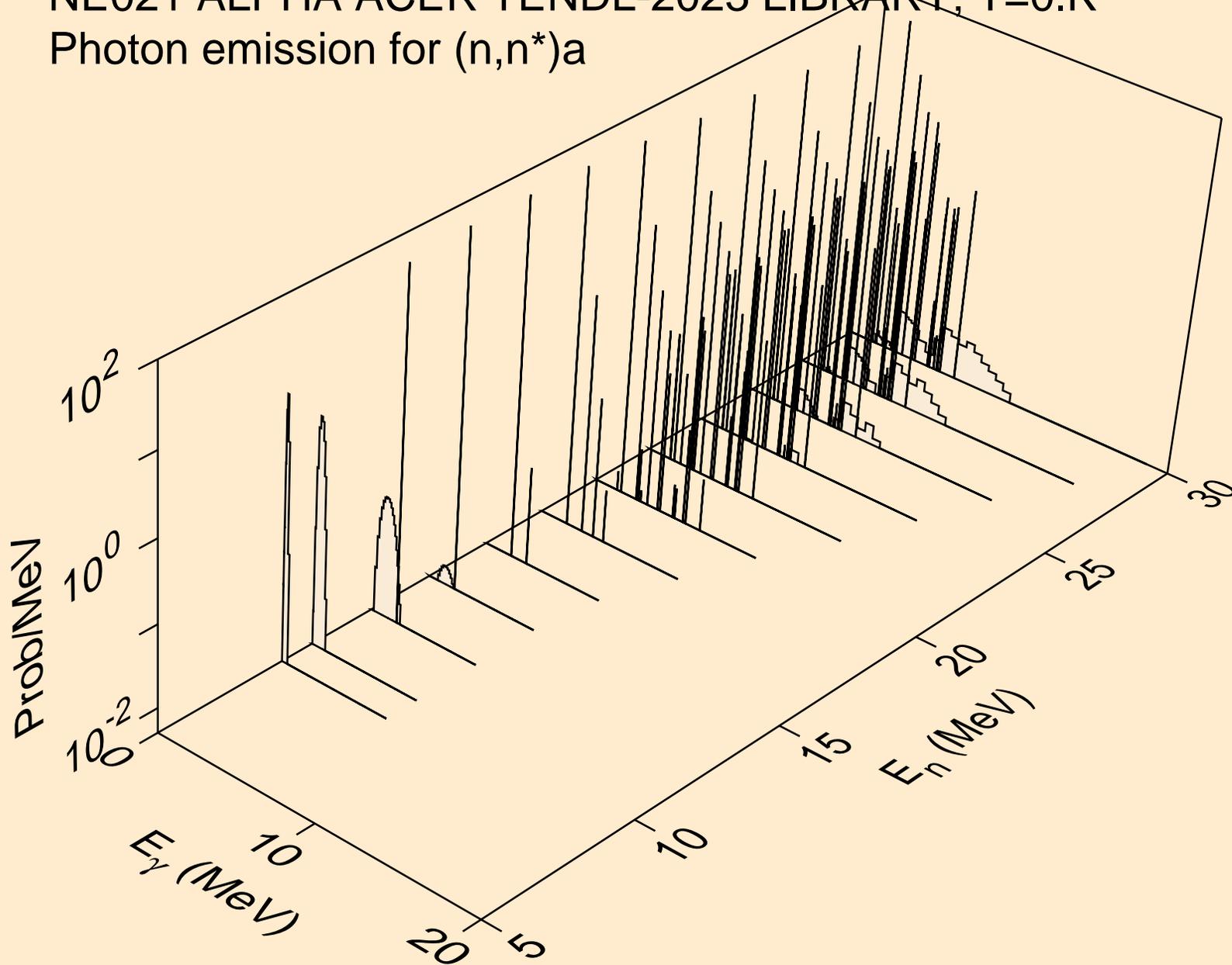
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



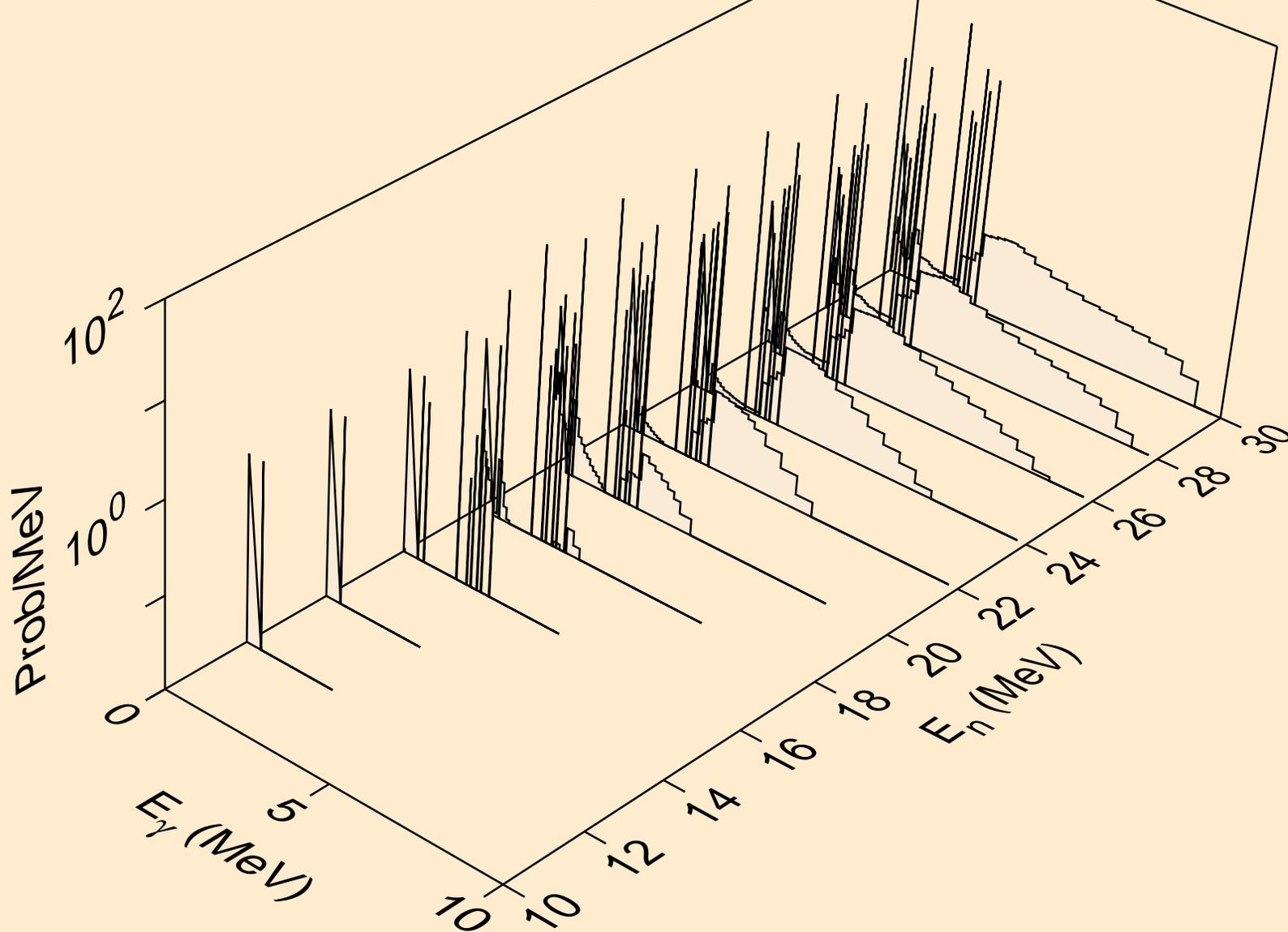
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



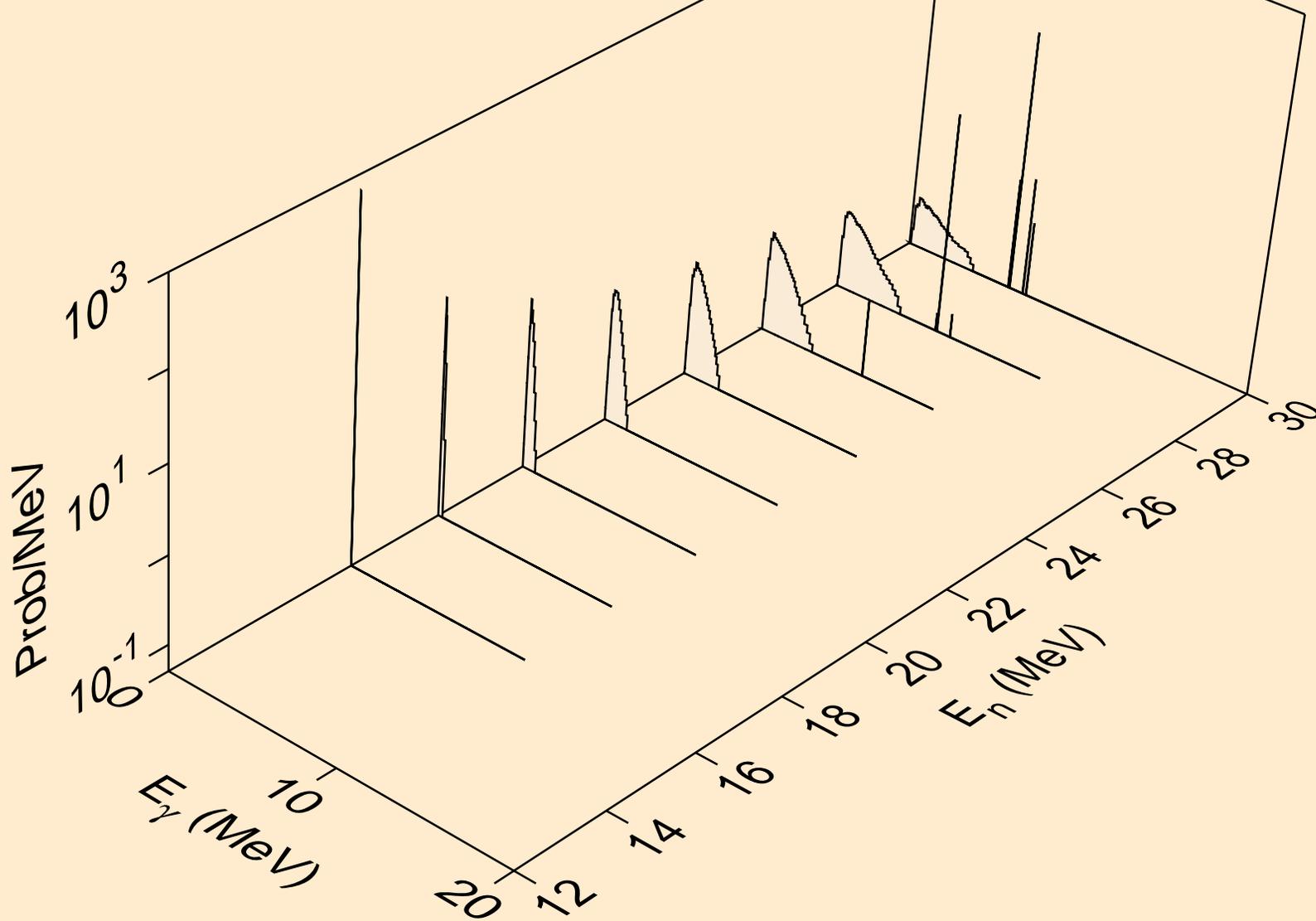
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



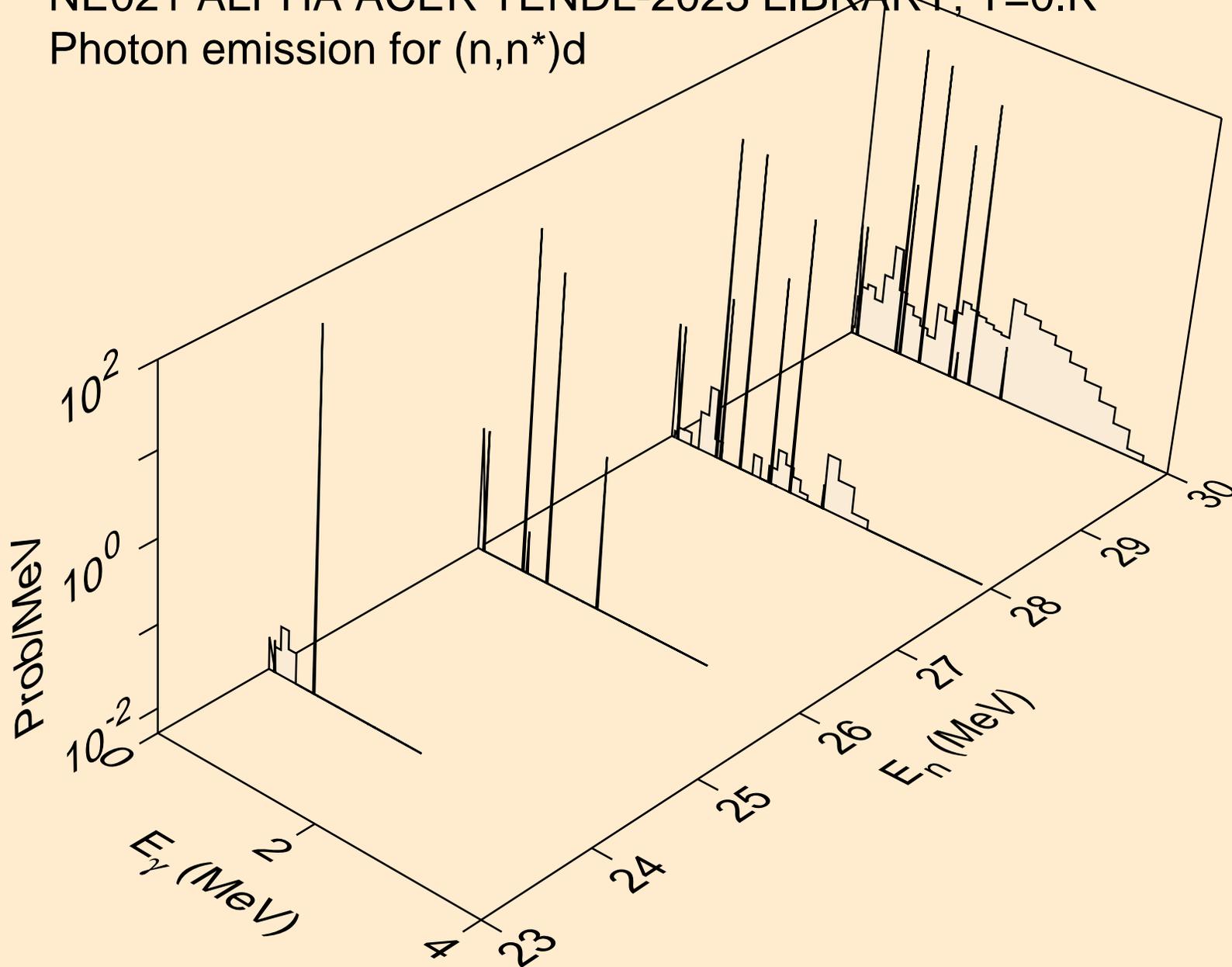
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



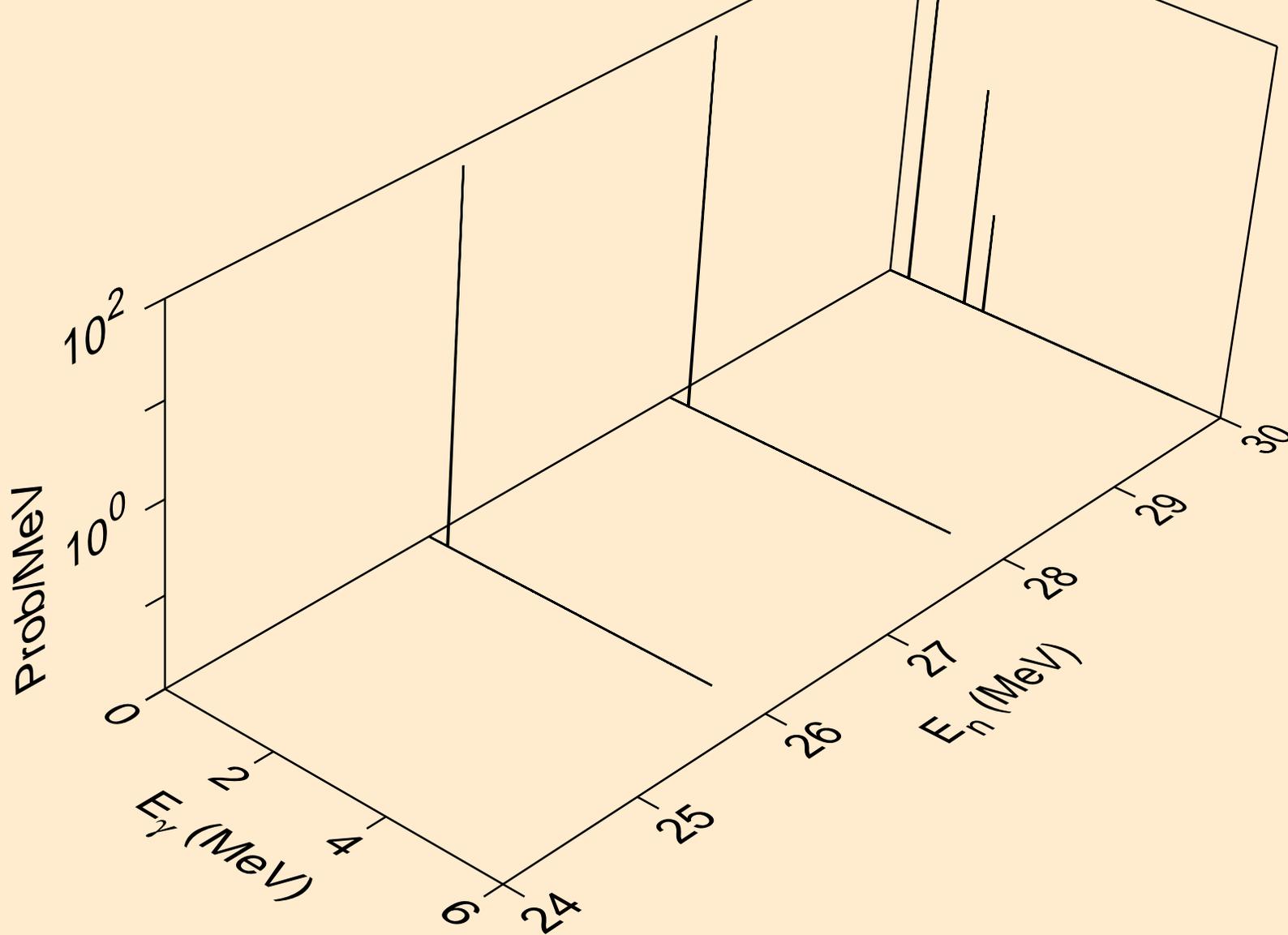
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



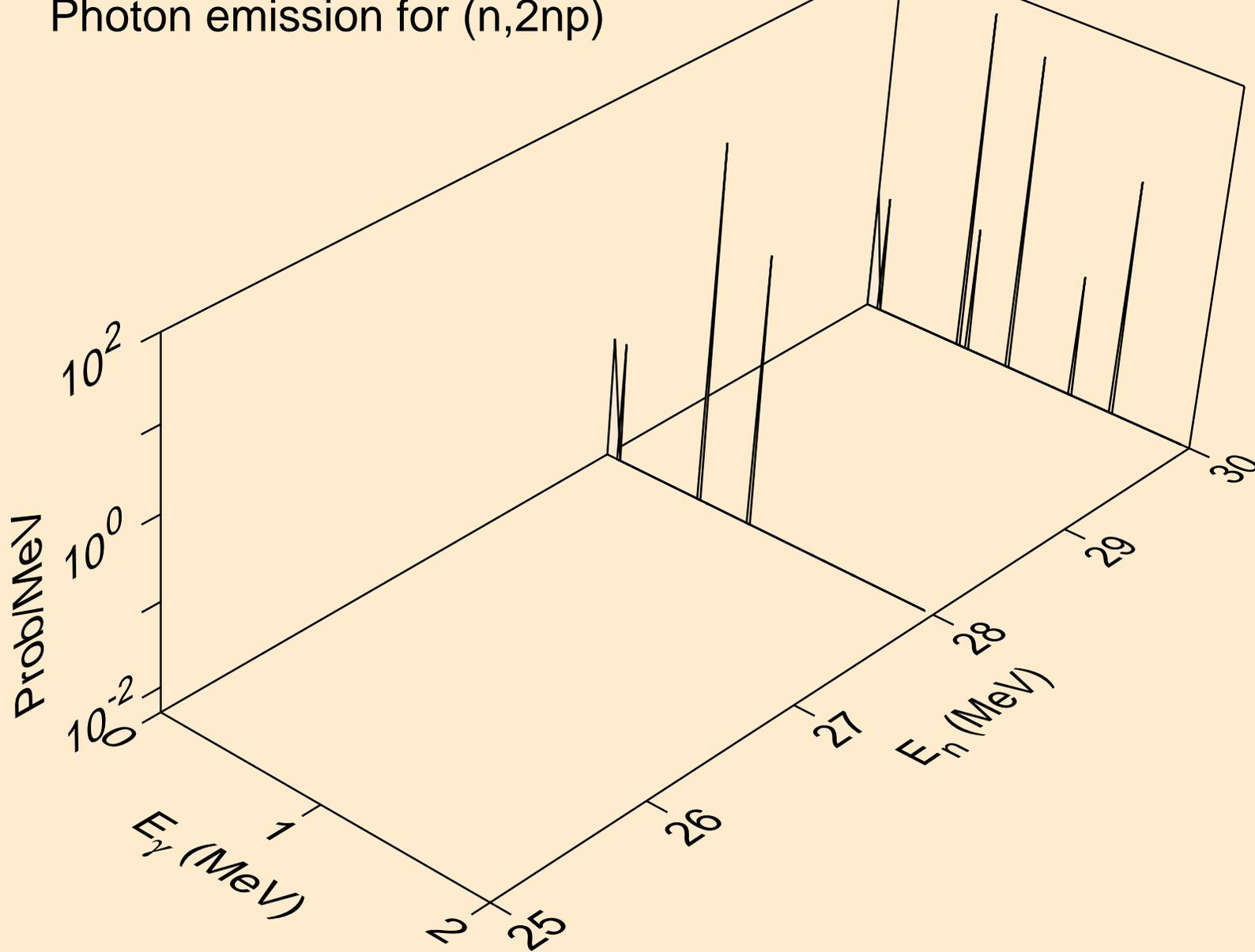
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



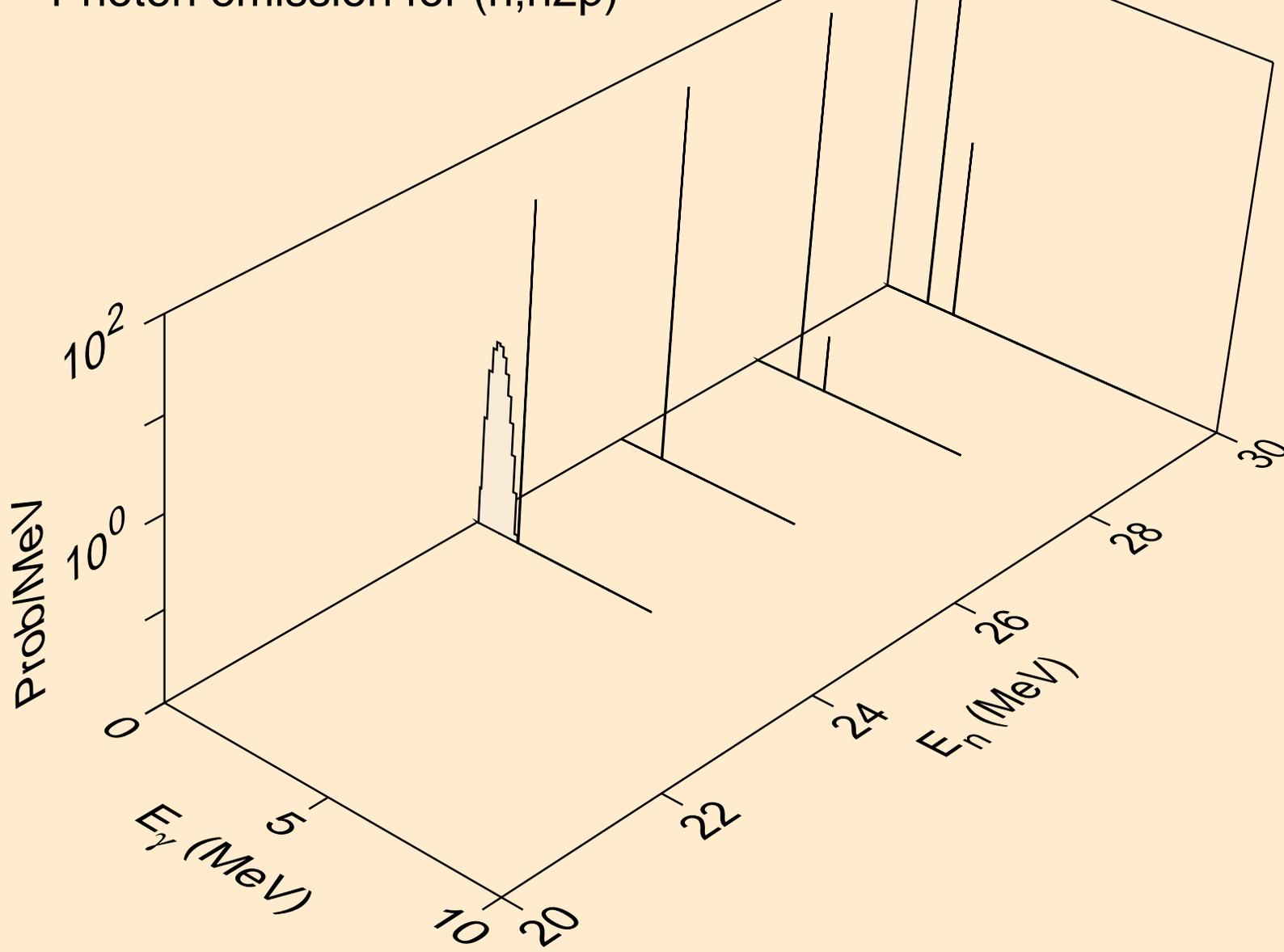
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



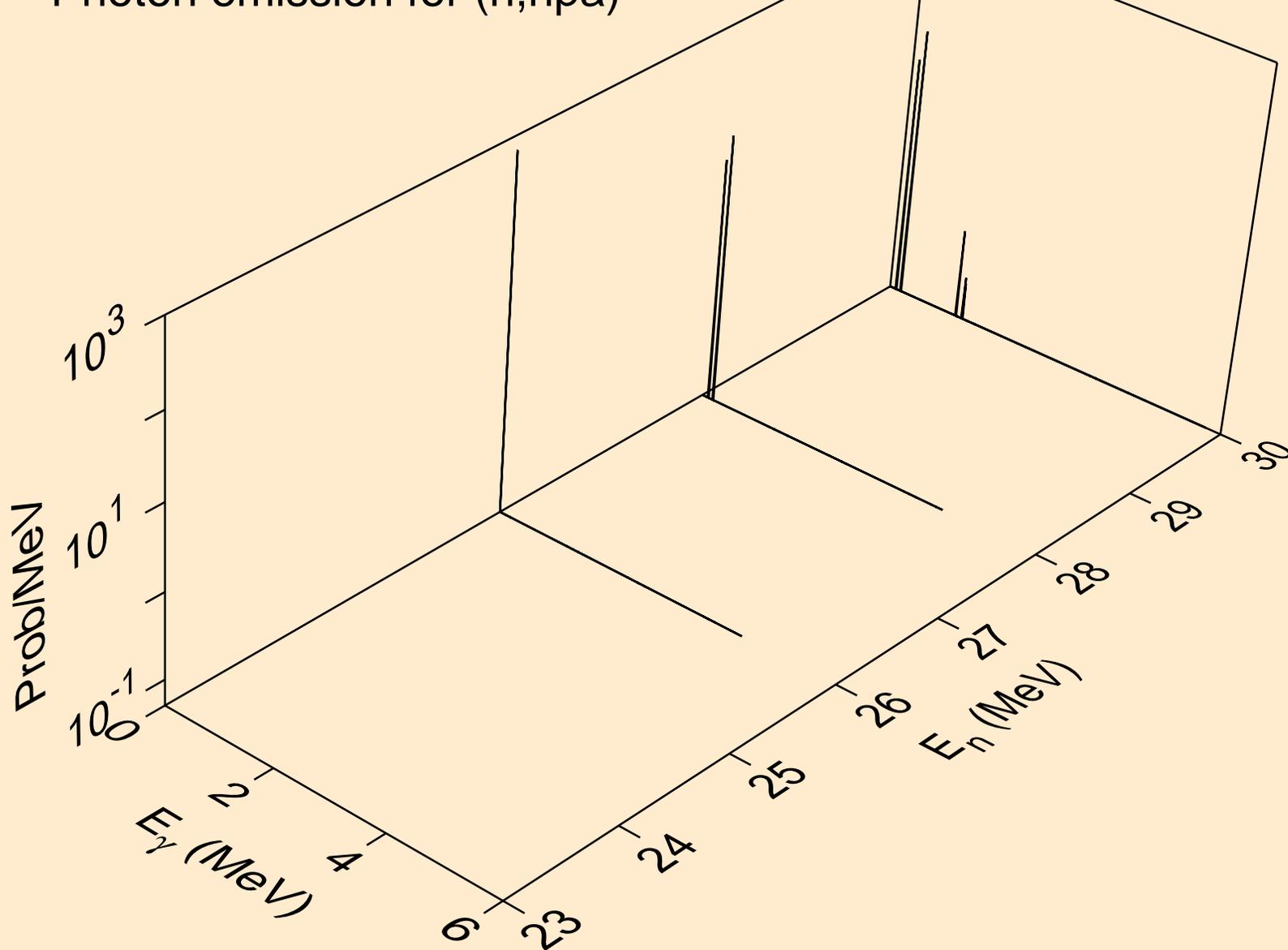
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



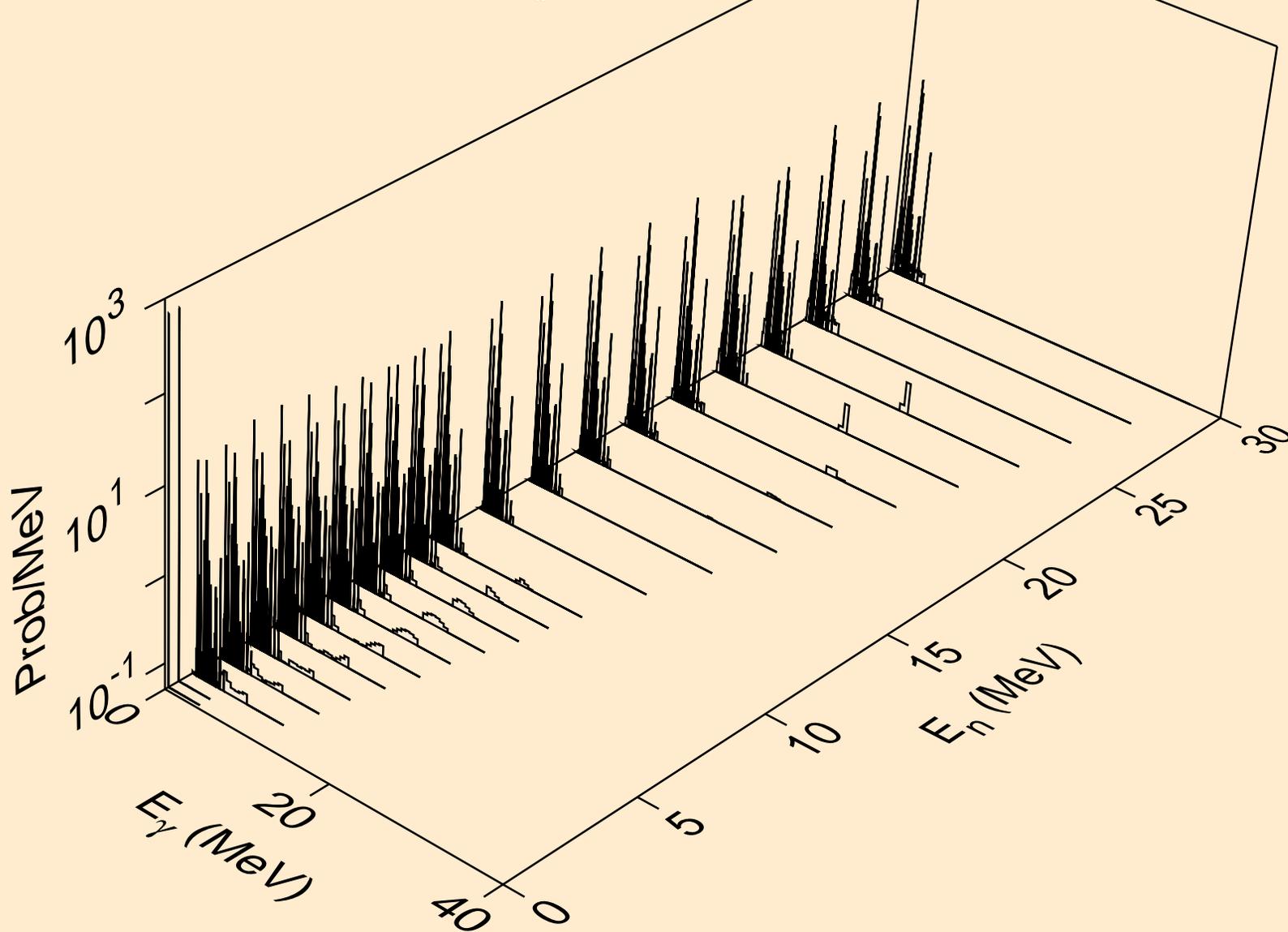
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



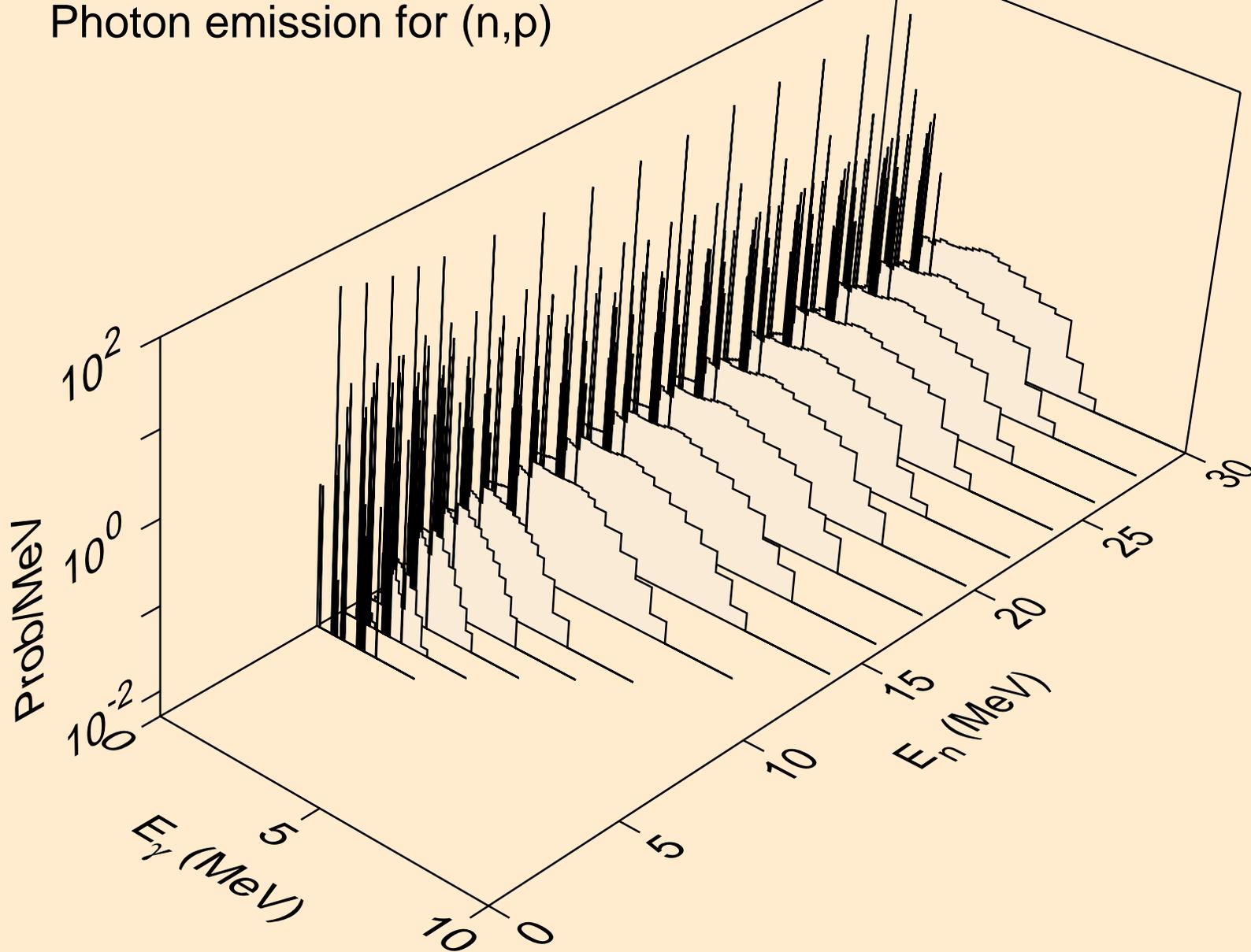
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



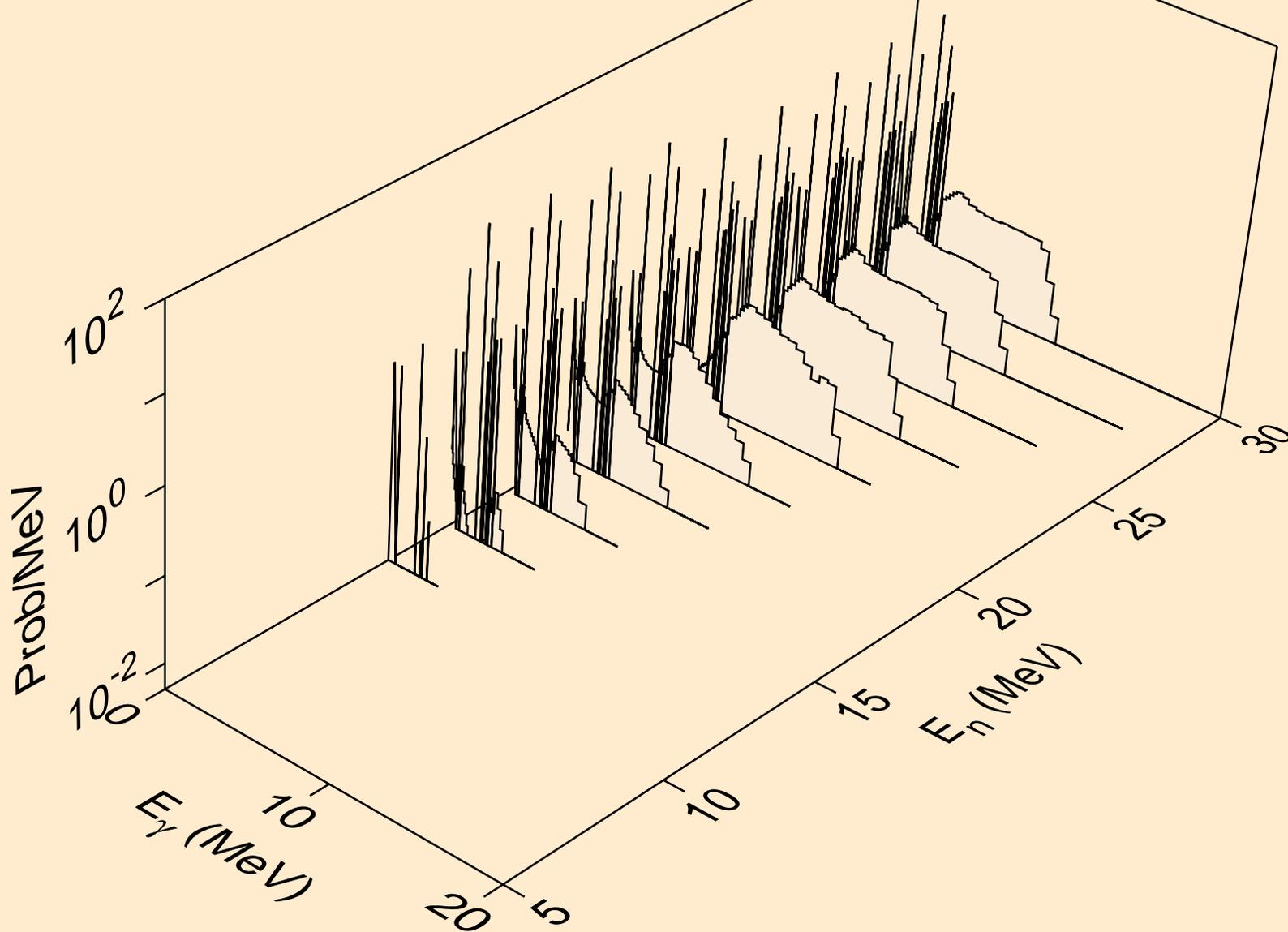
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



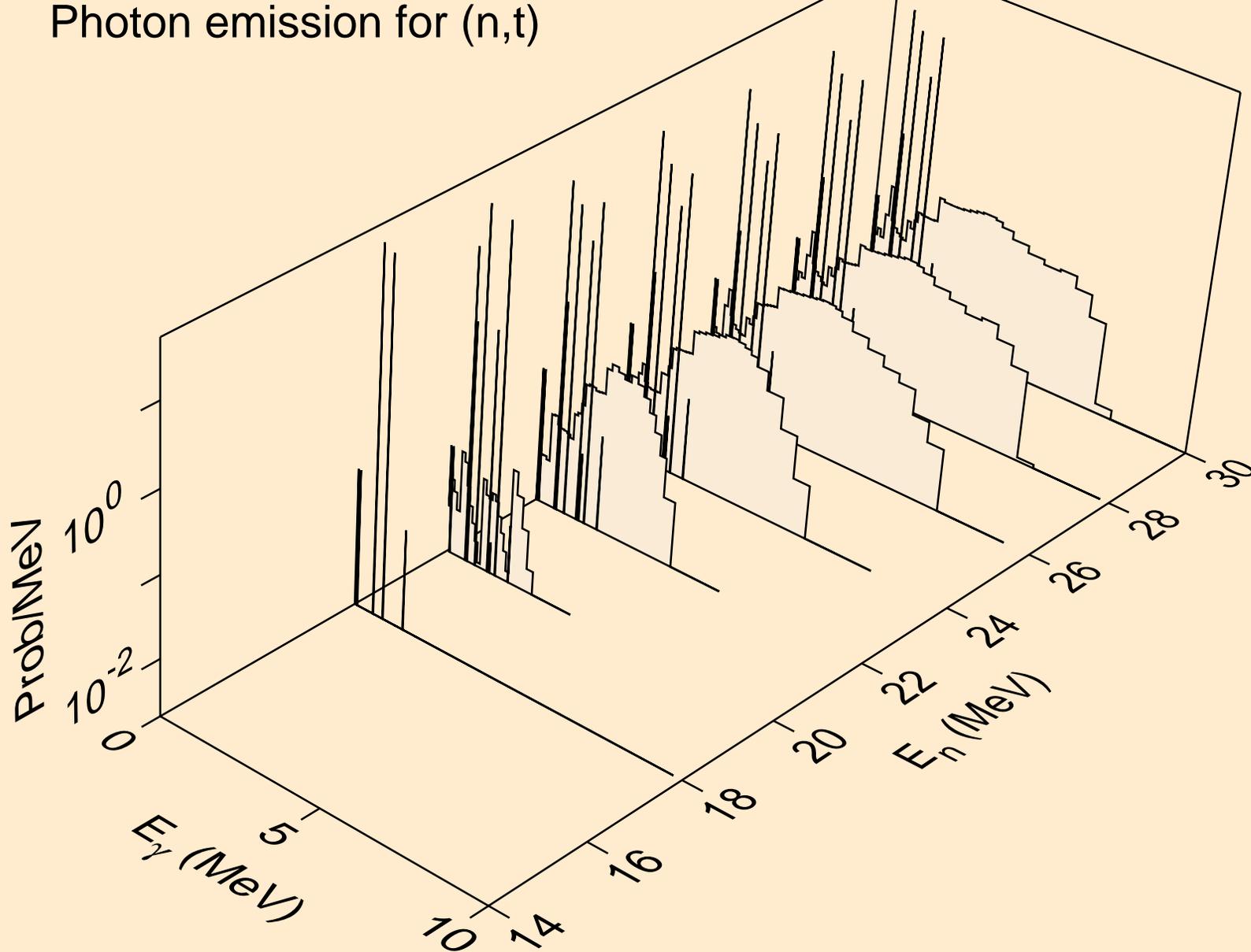
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



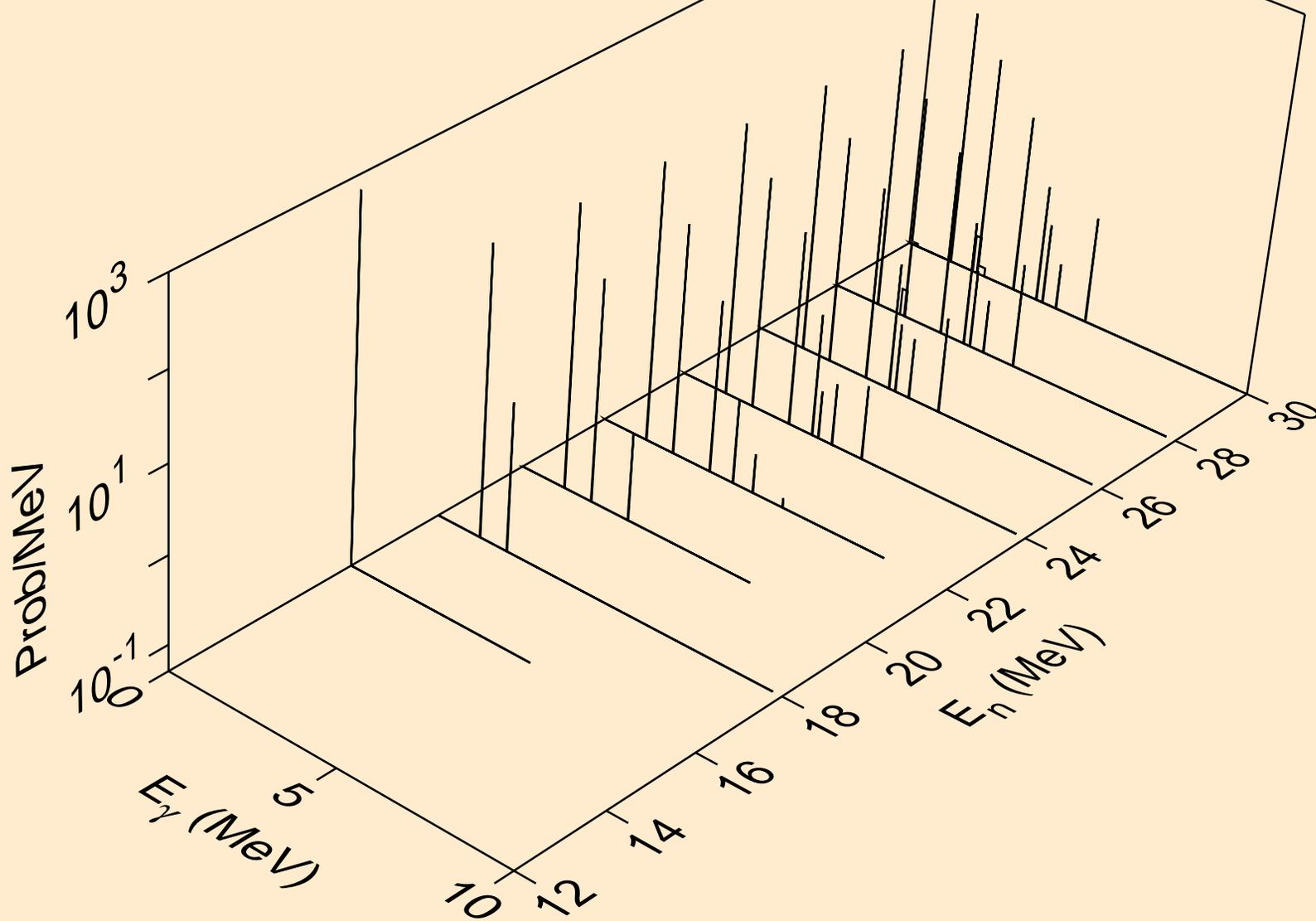
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



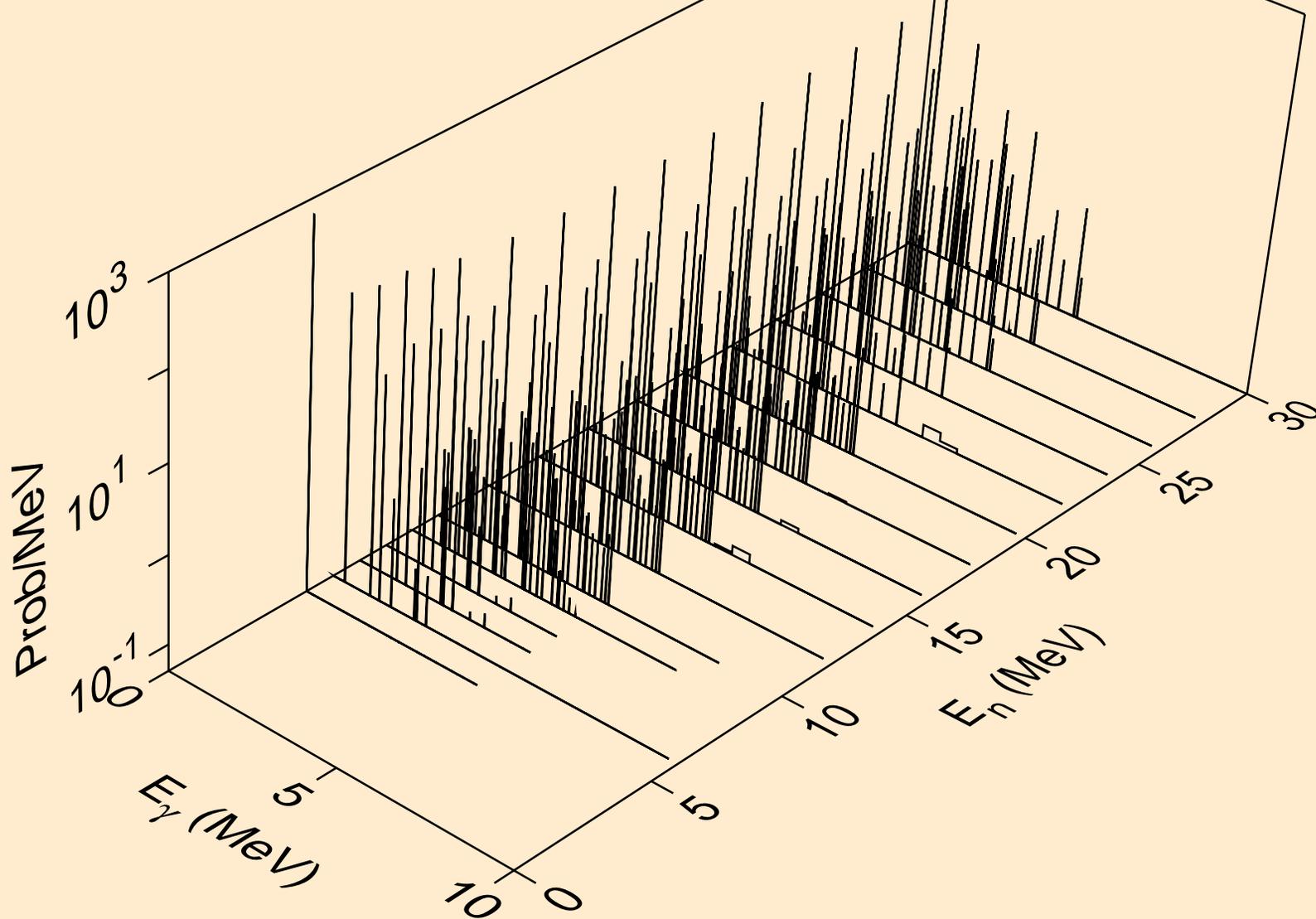
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



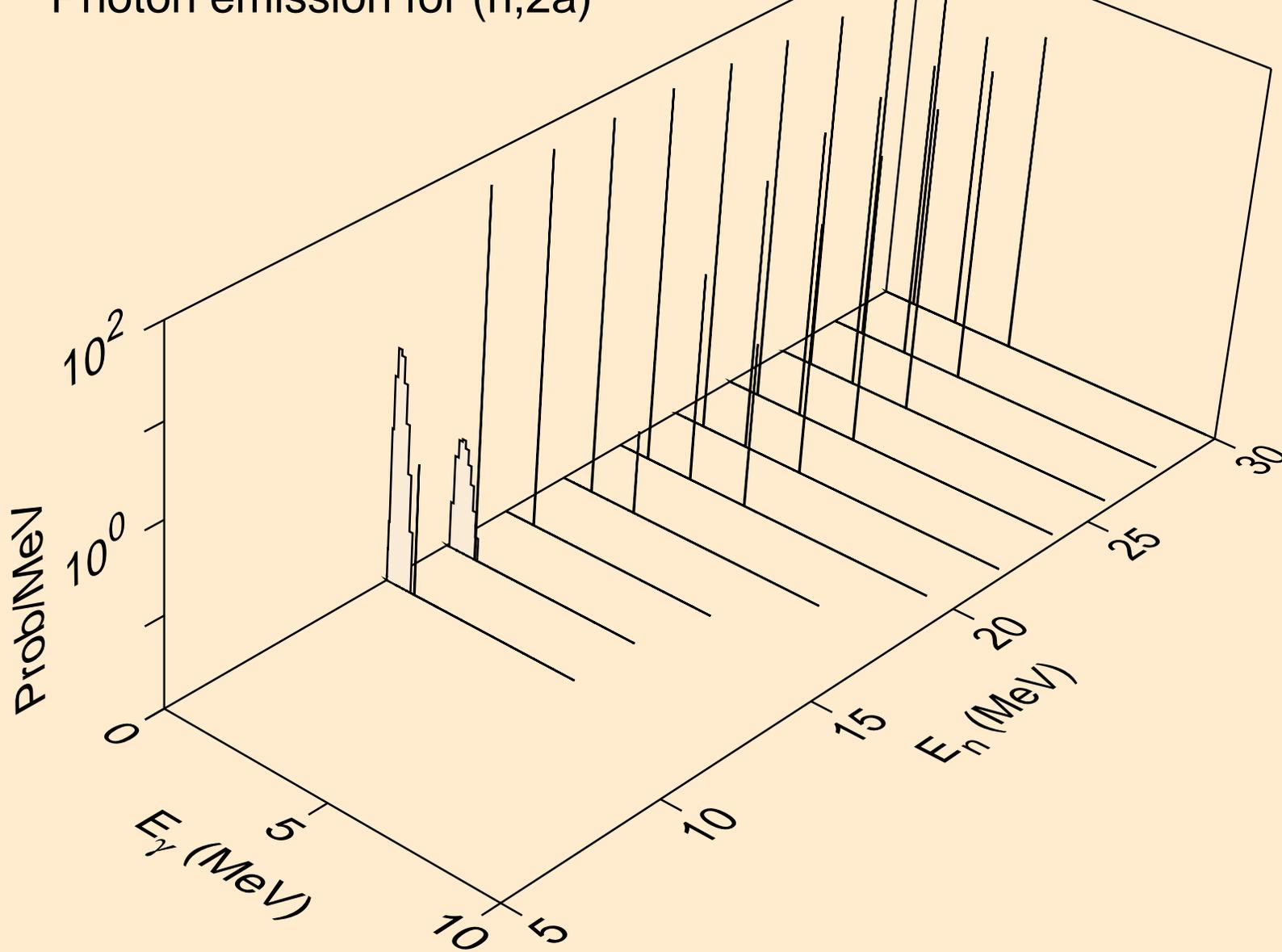
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



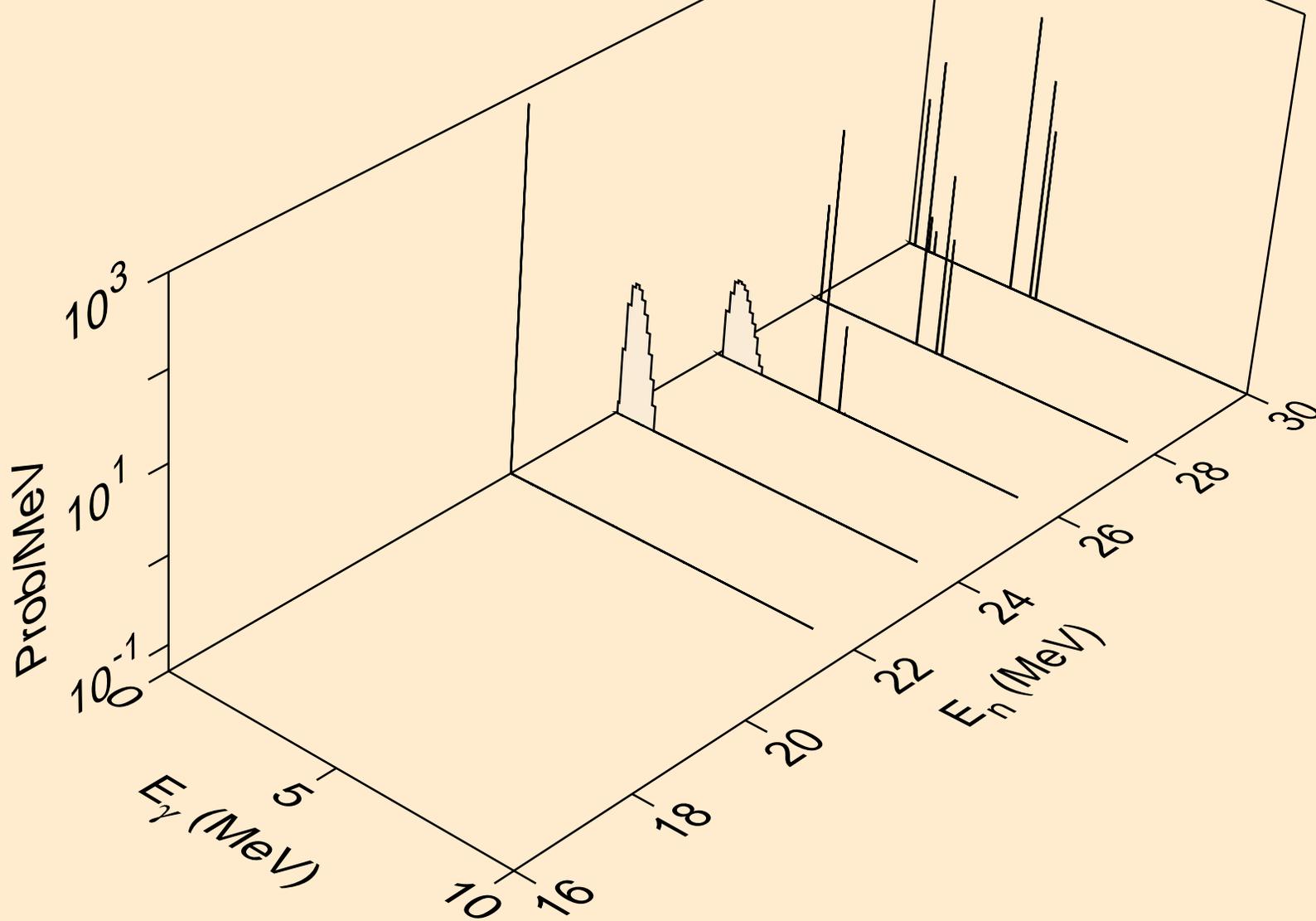
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



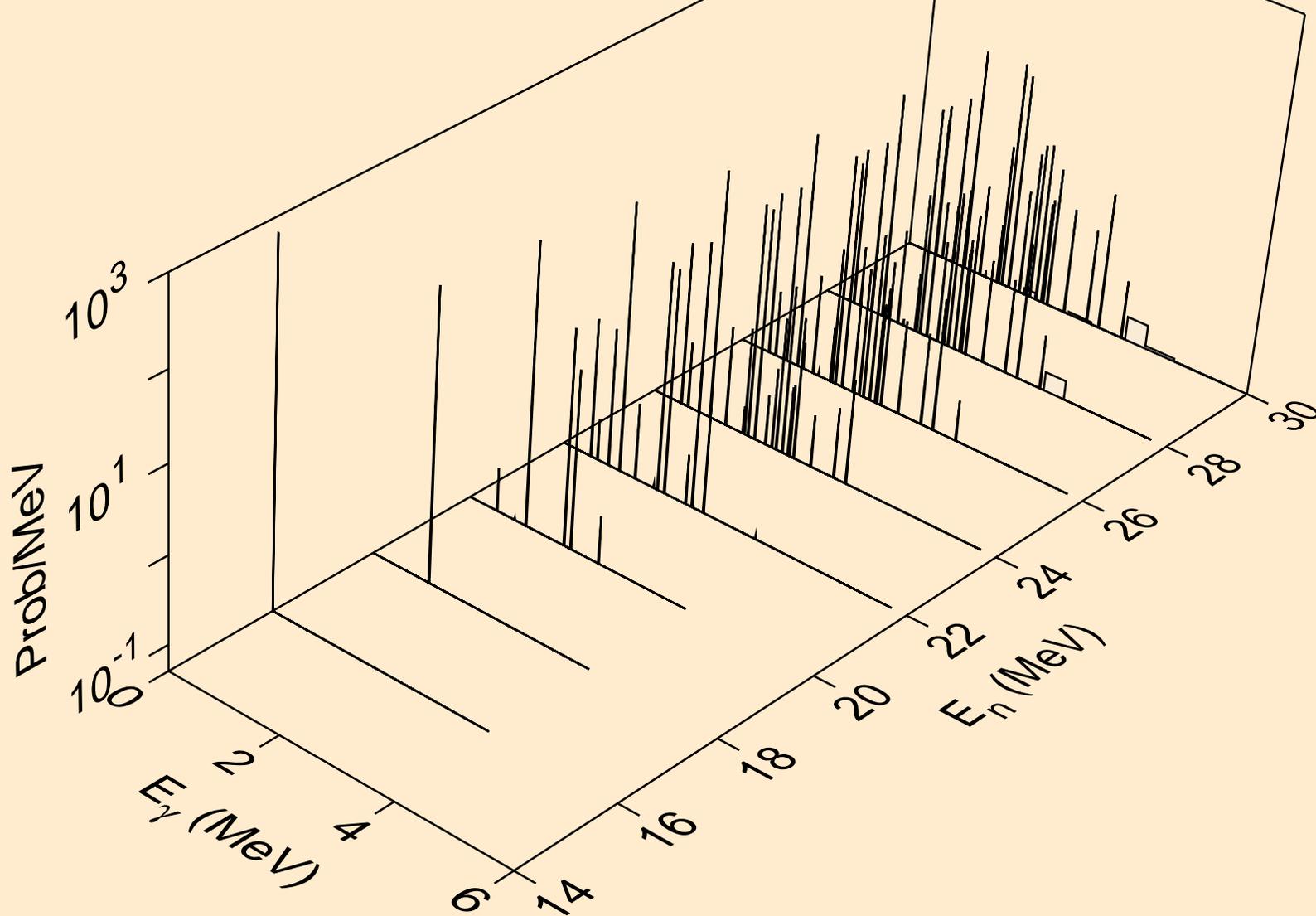
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



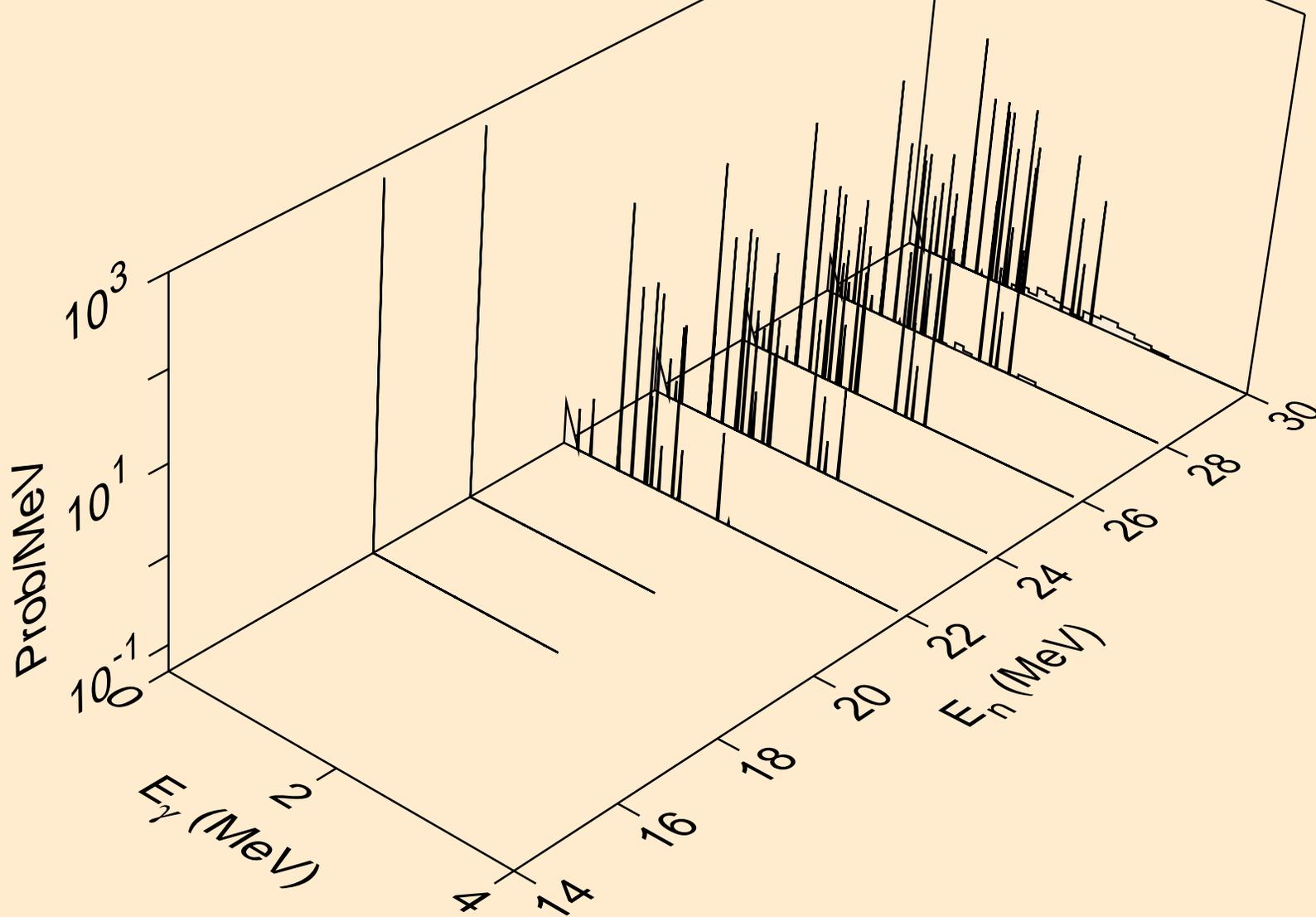
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3a)



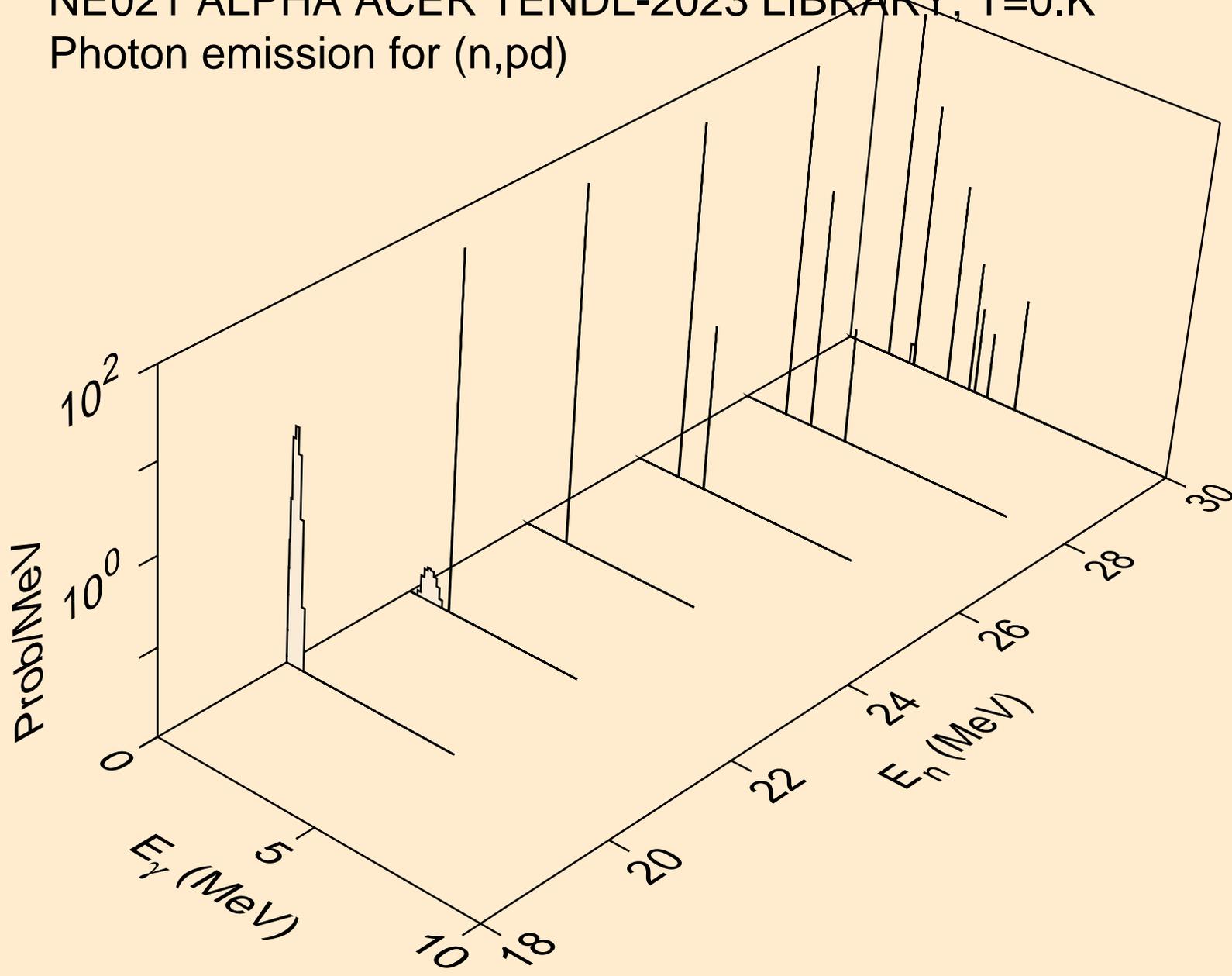
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



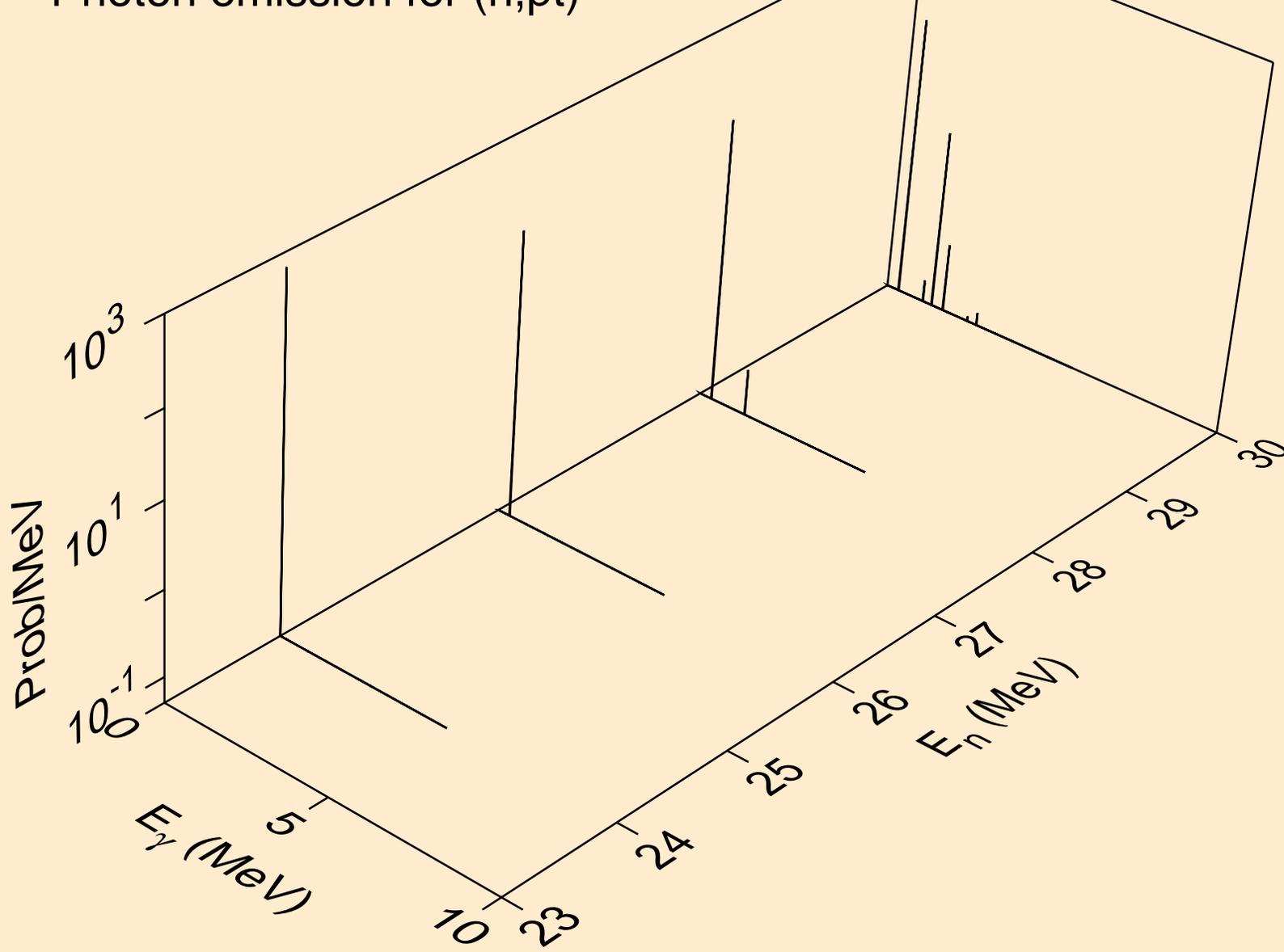
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)



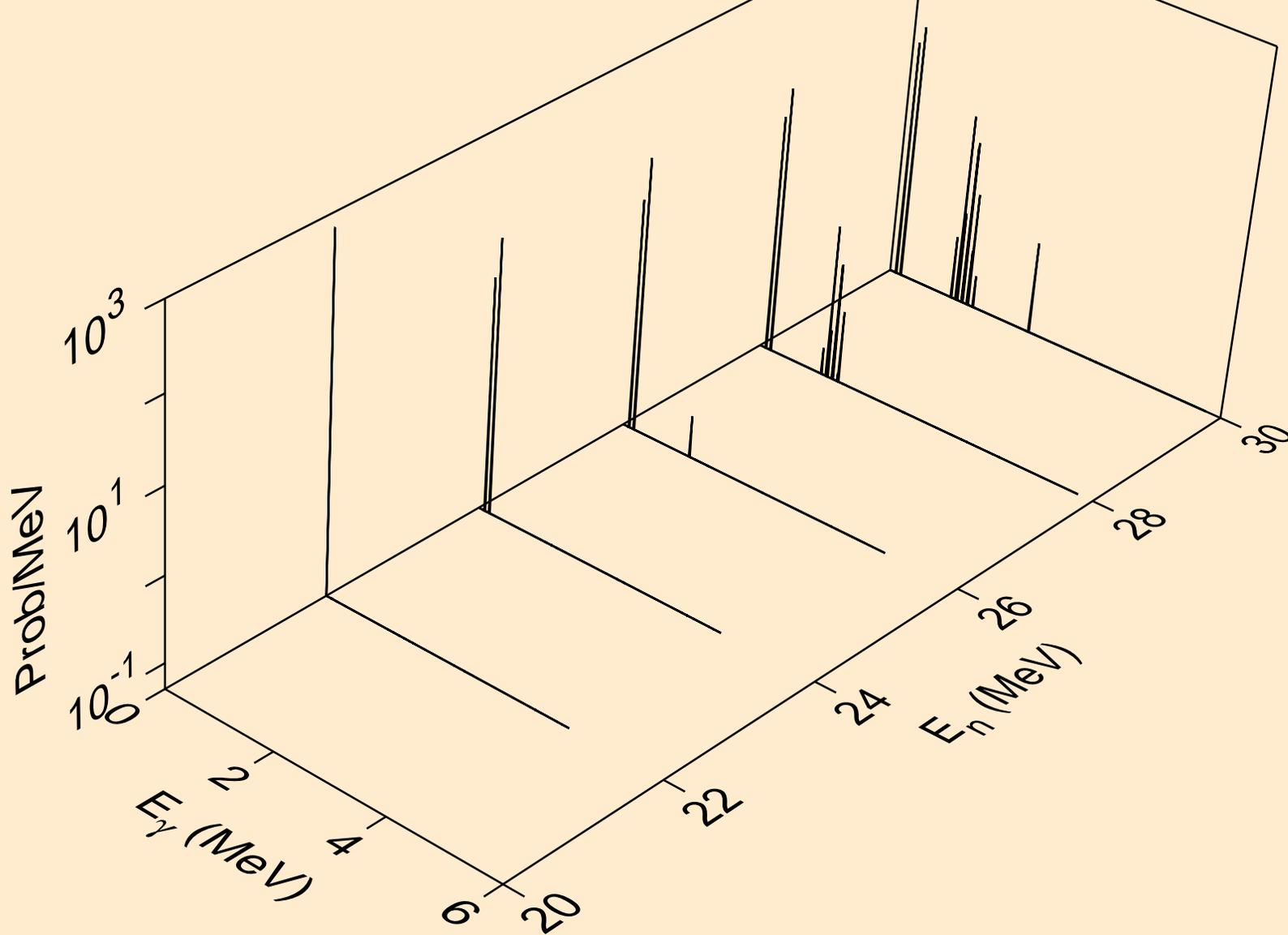
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



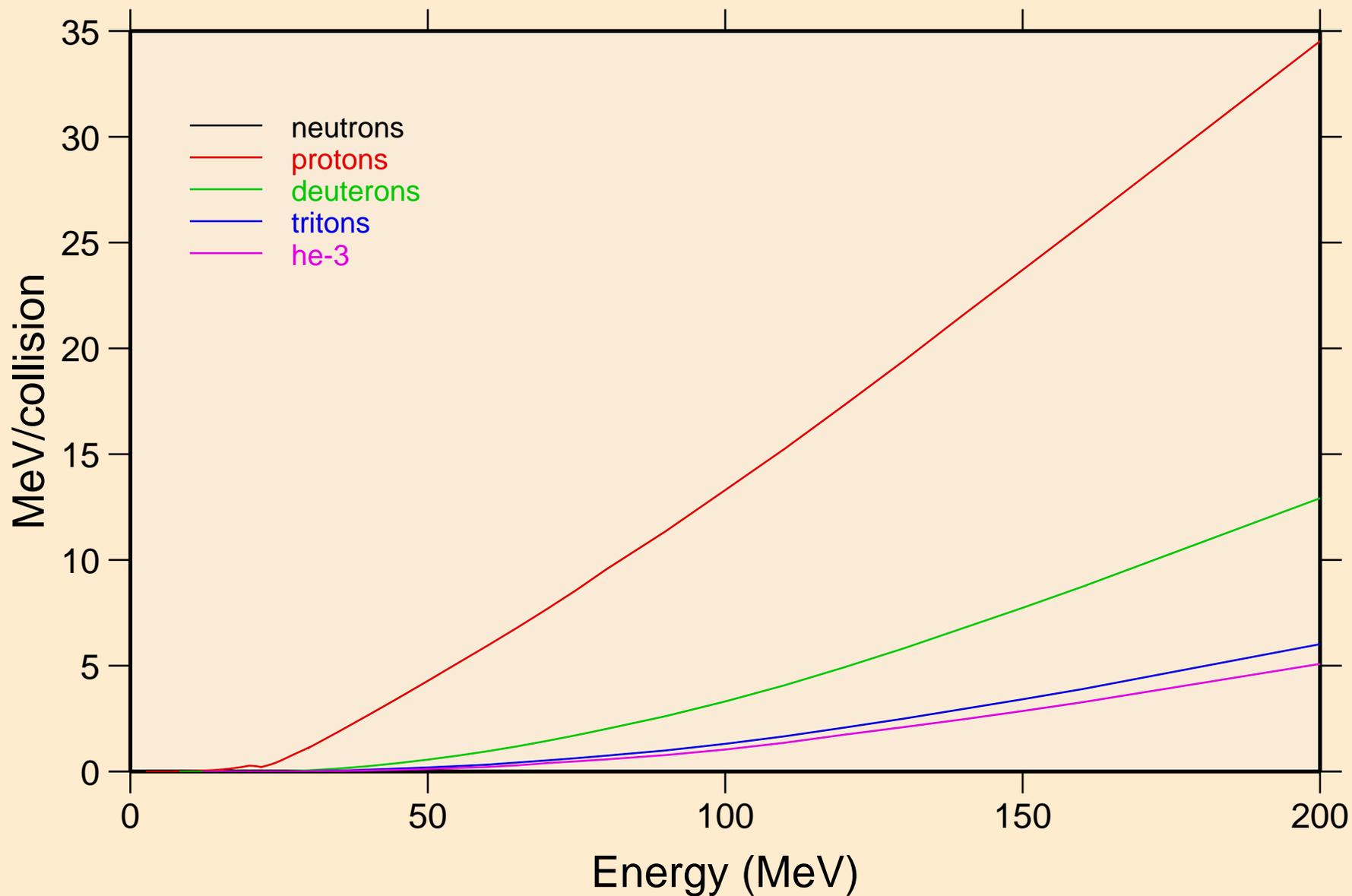
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



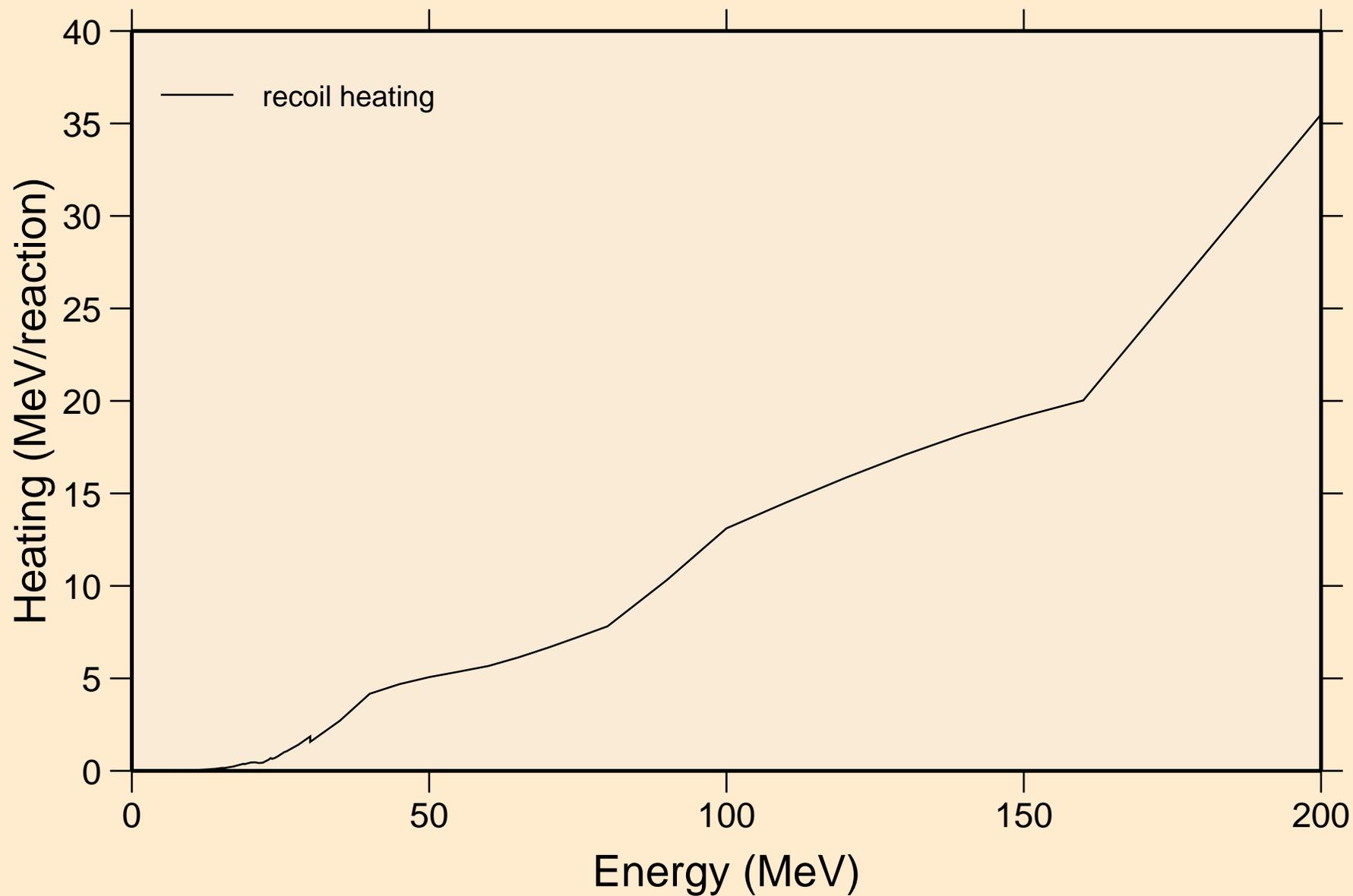
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions

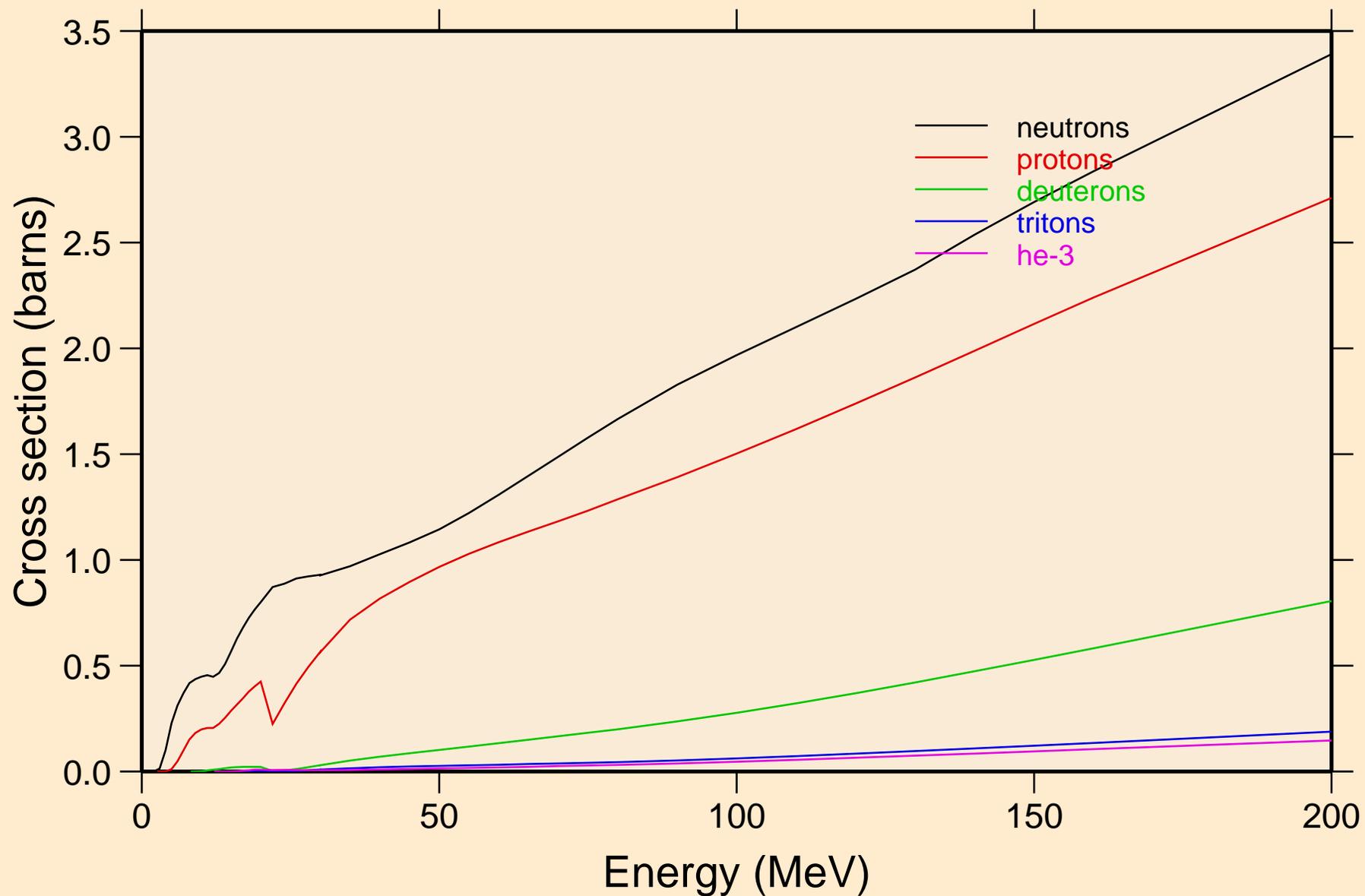


NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

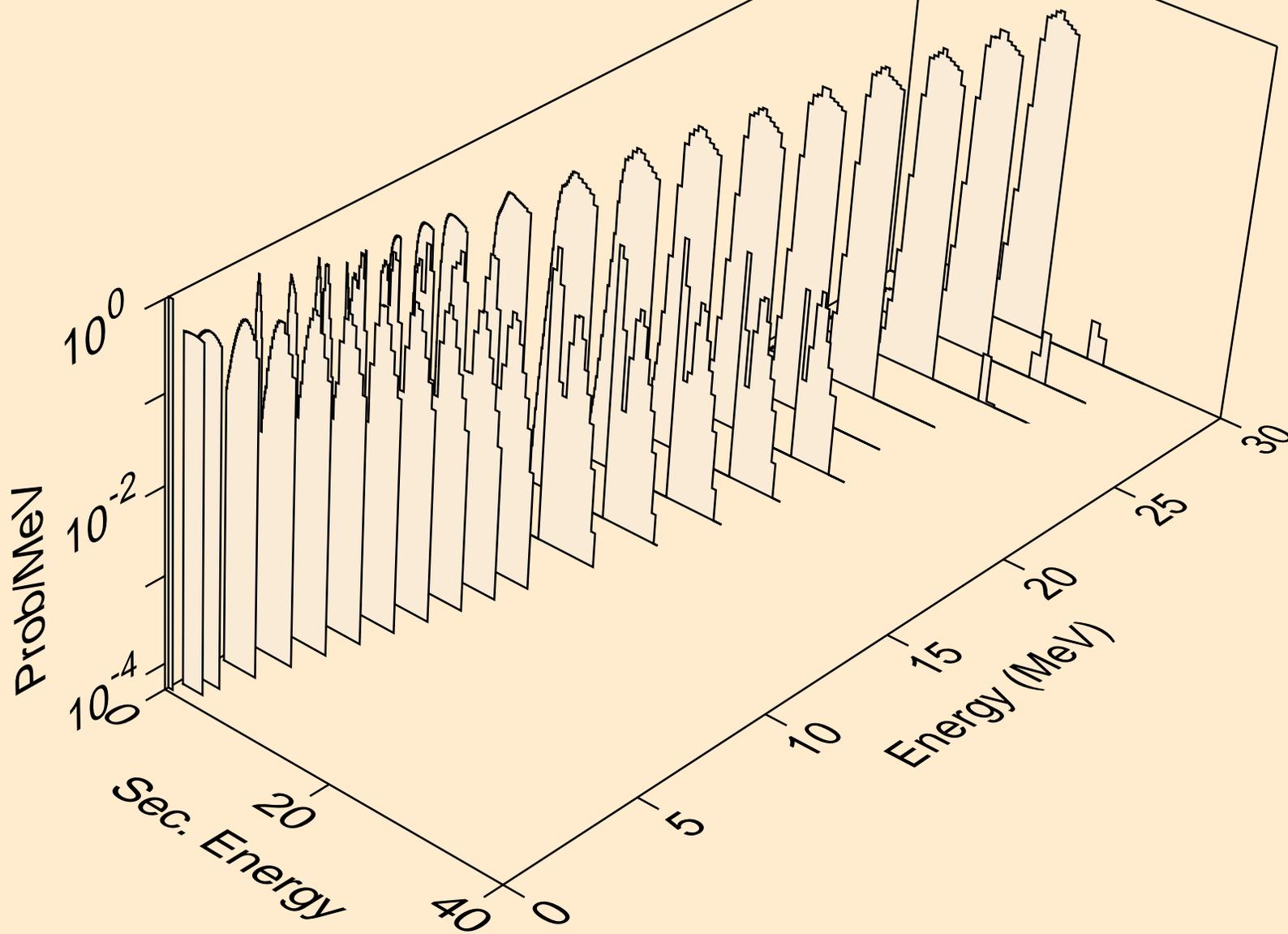


# NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

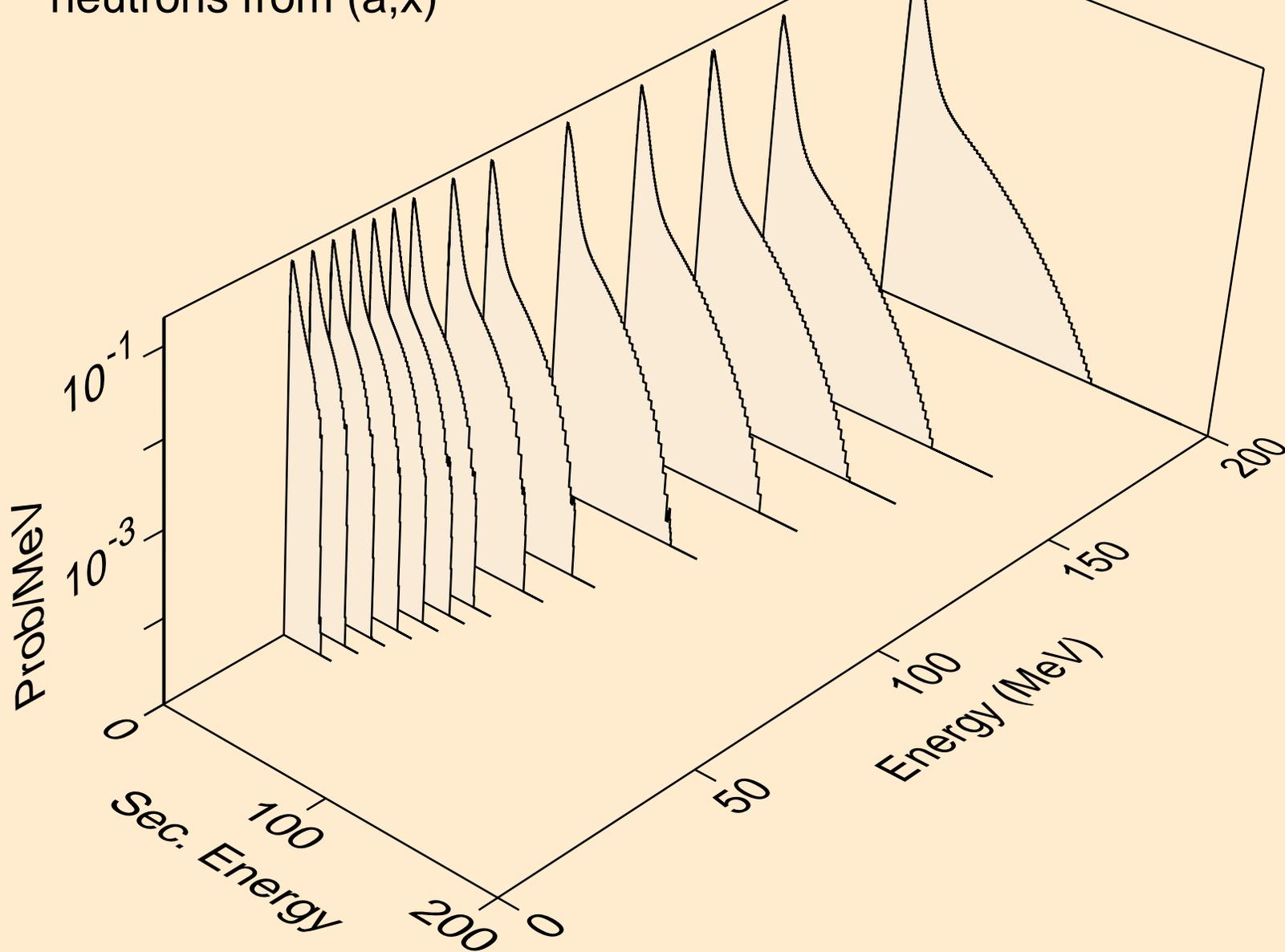
## Particle production cross sections



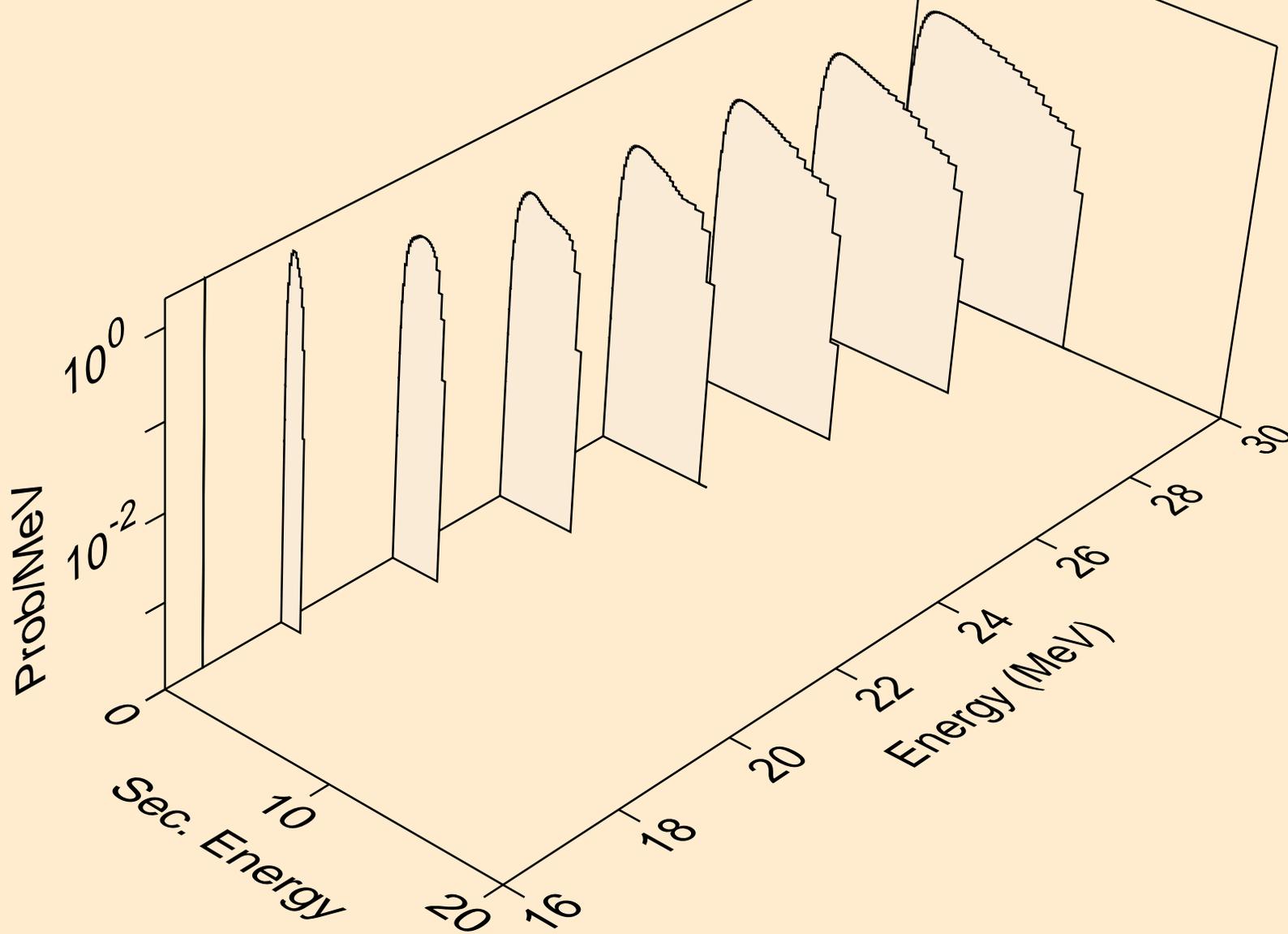
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n)



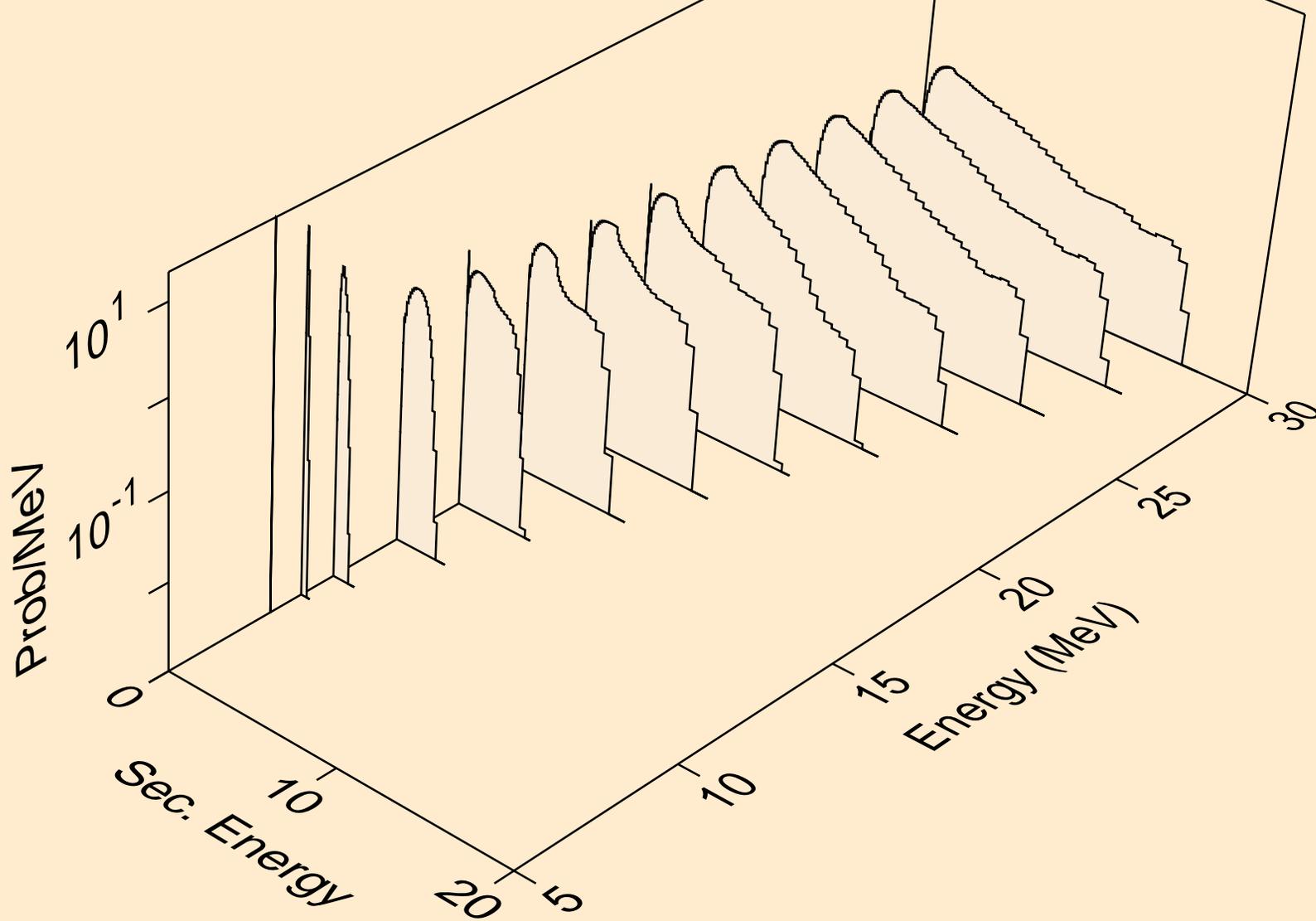
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,x)



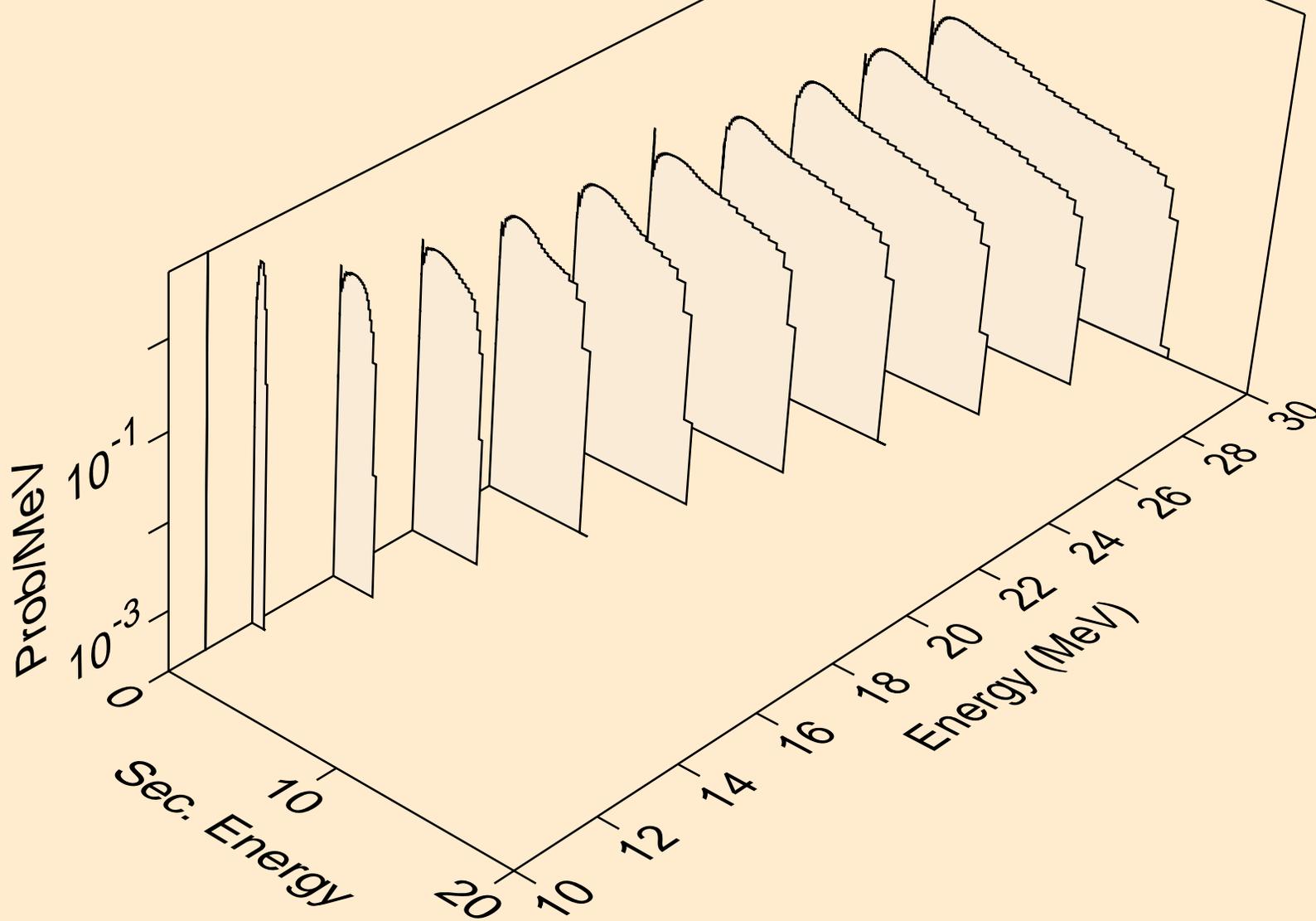
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2n)



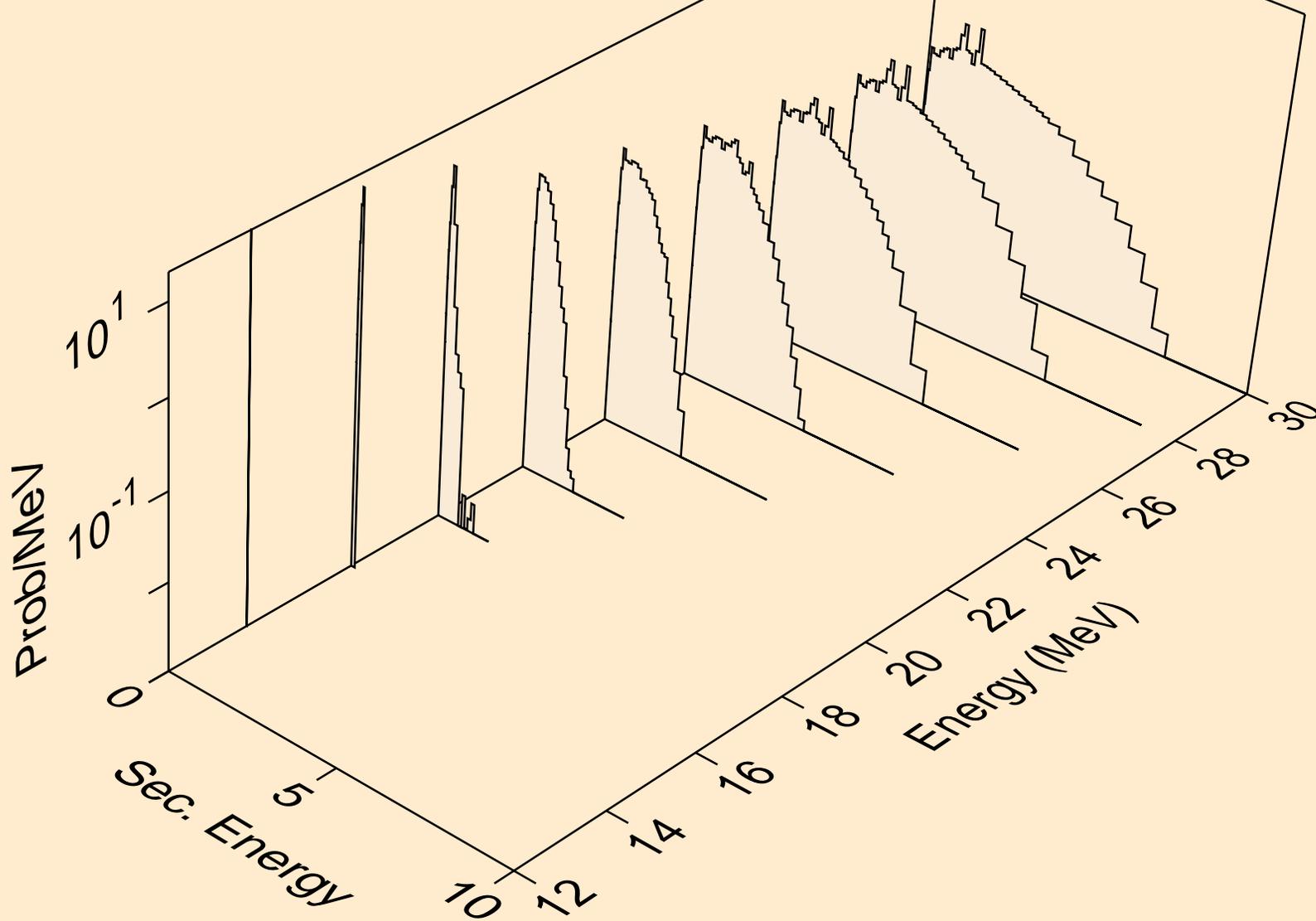
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)a



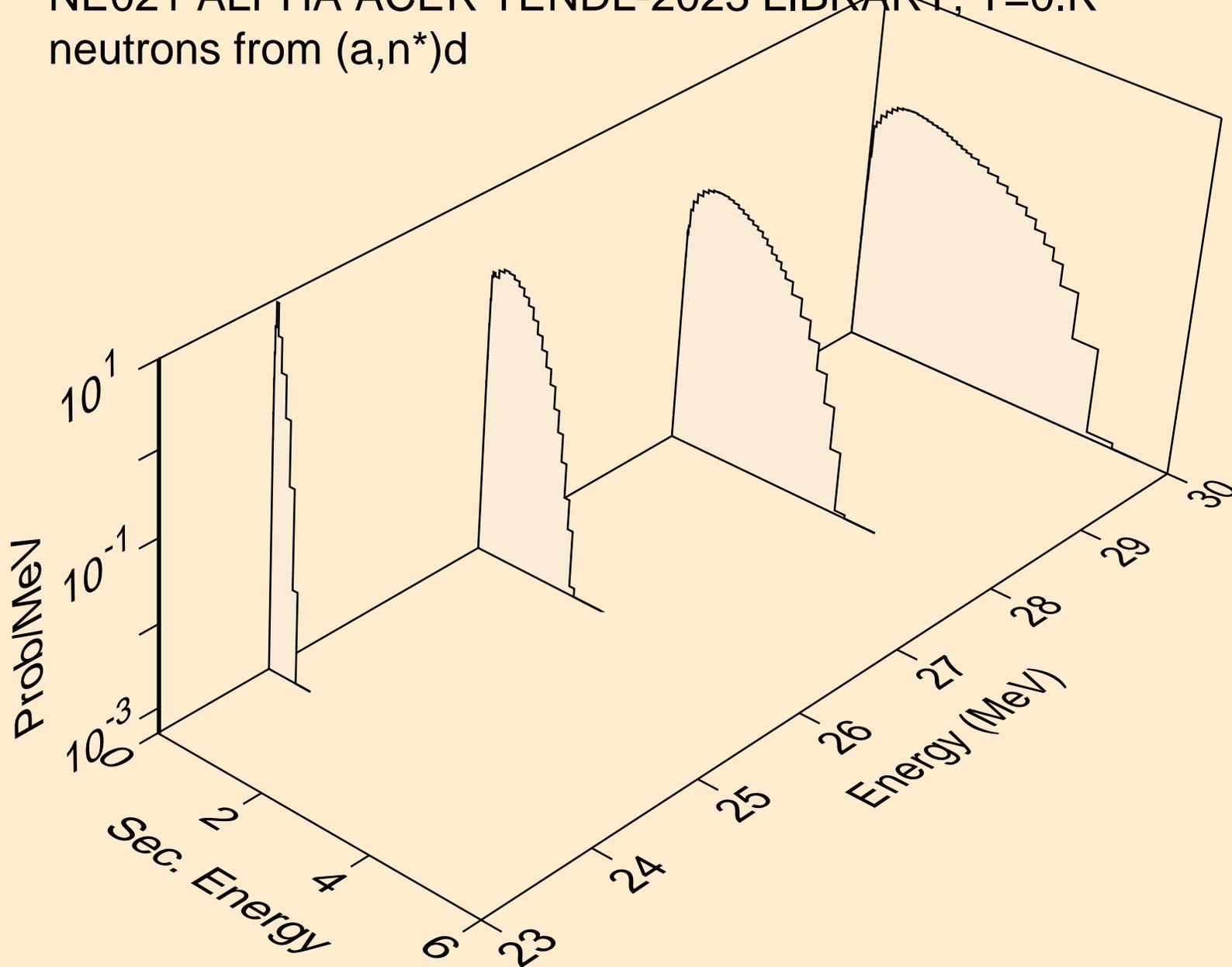
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)p



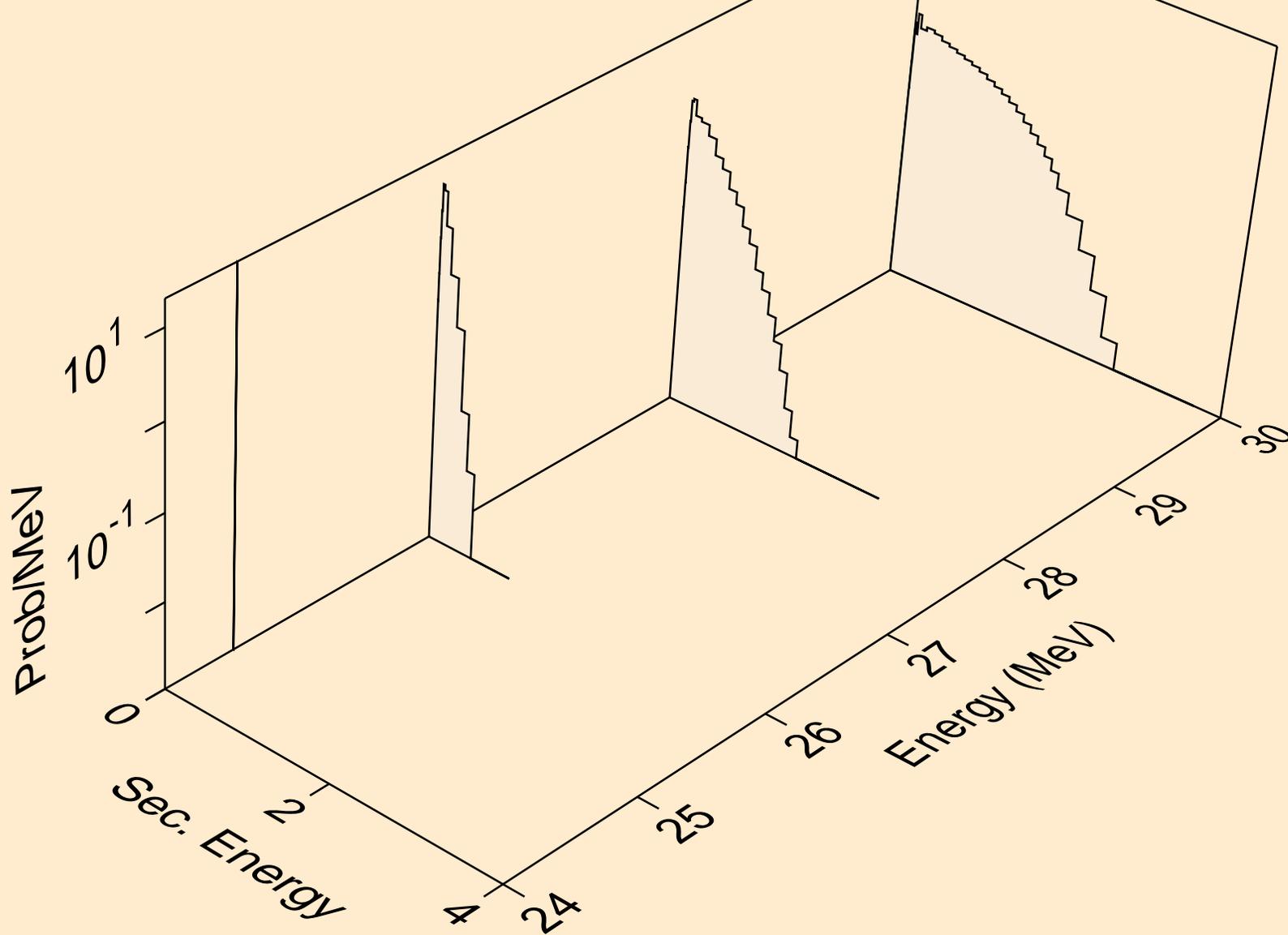
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)2a



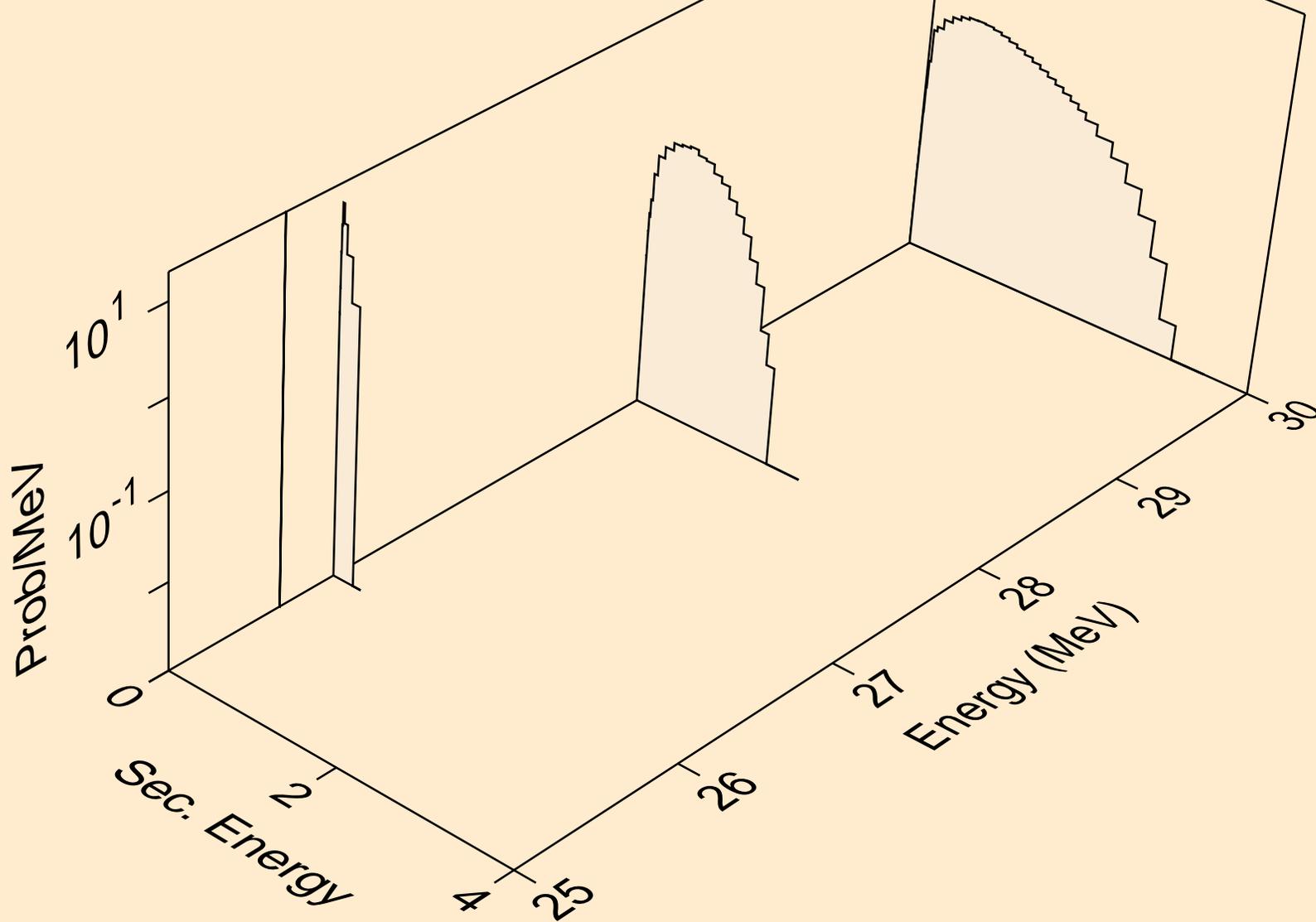
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)d



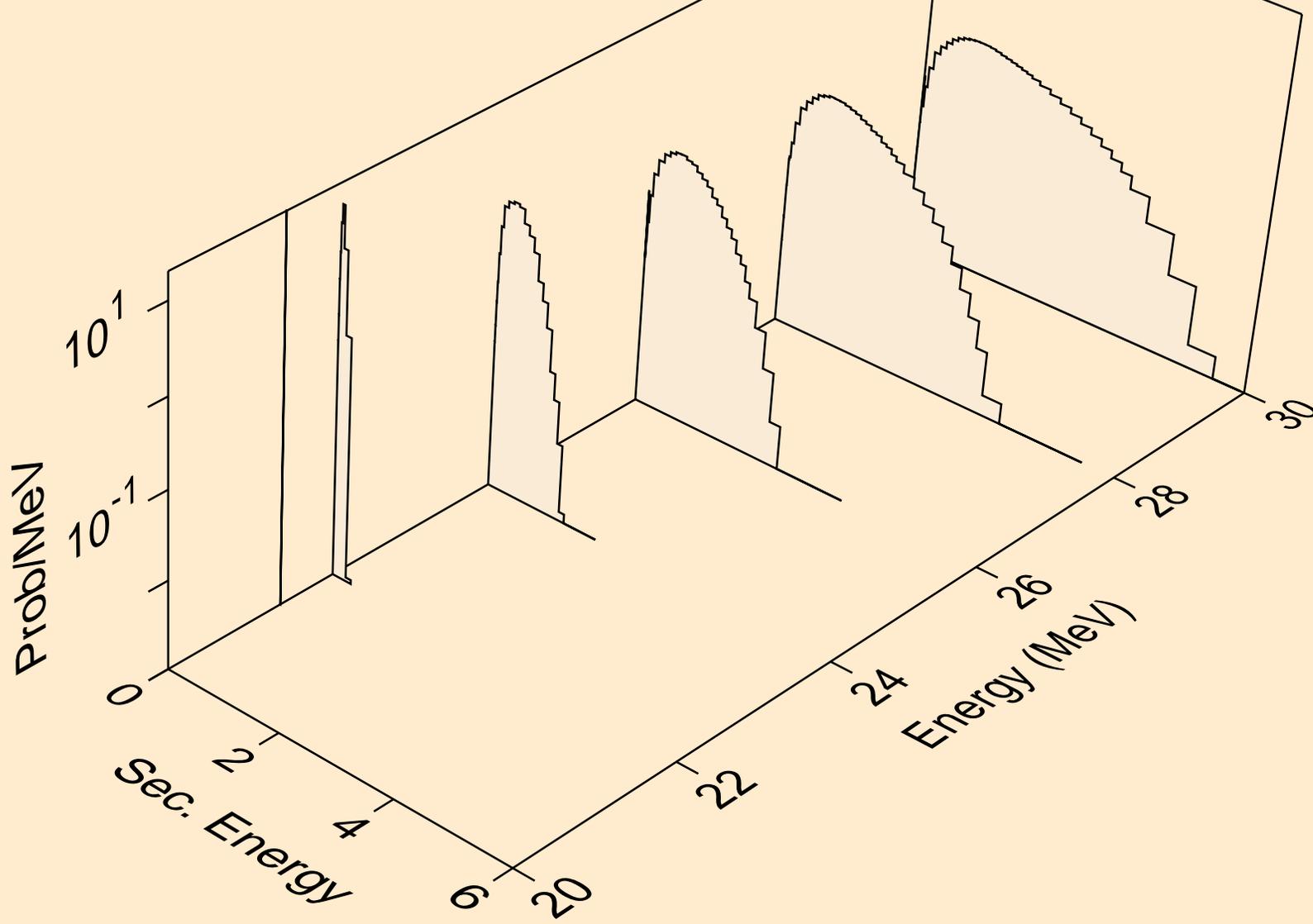
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)he3



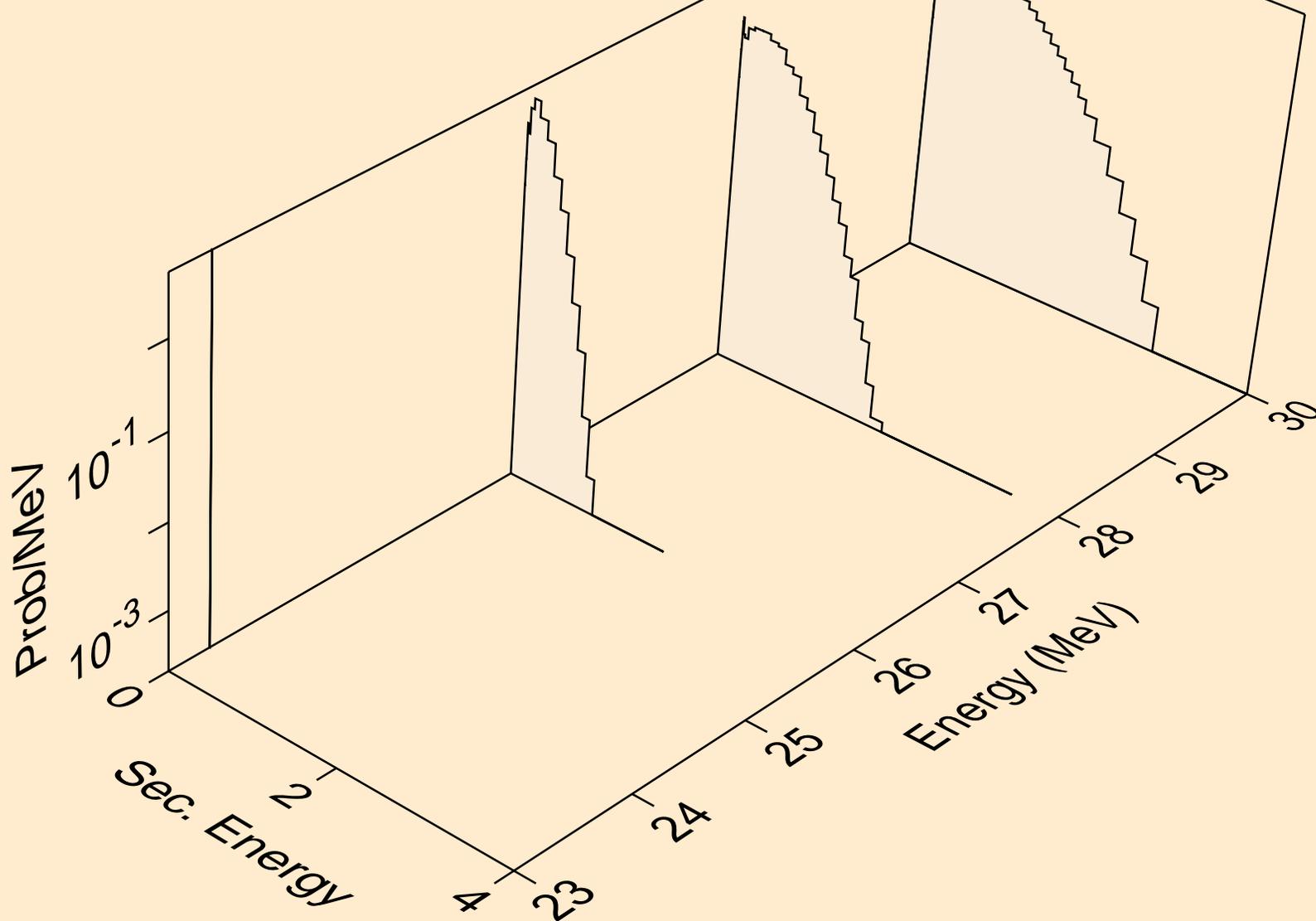
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2np)



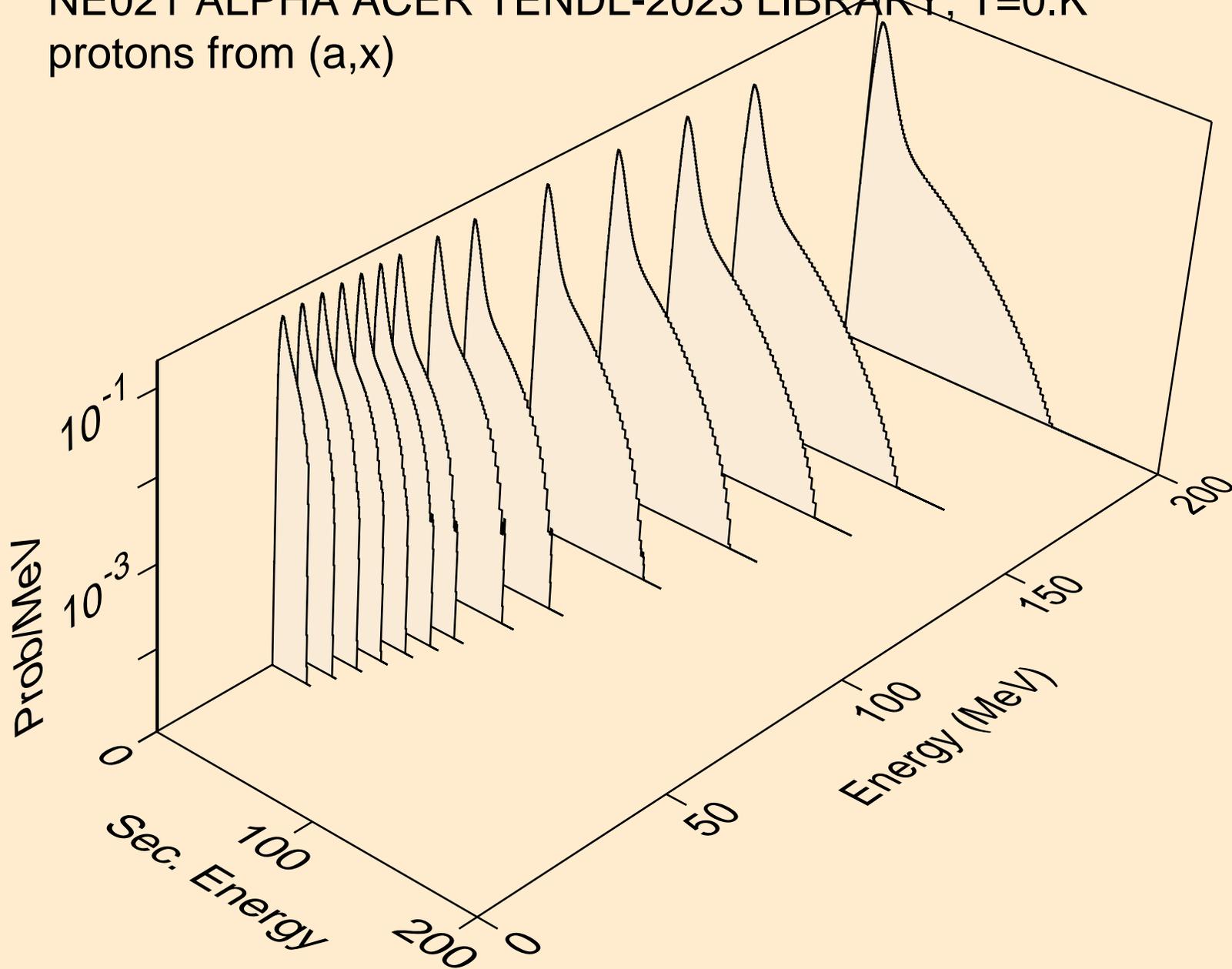
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n2p)



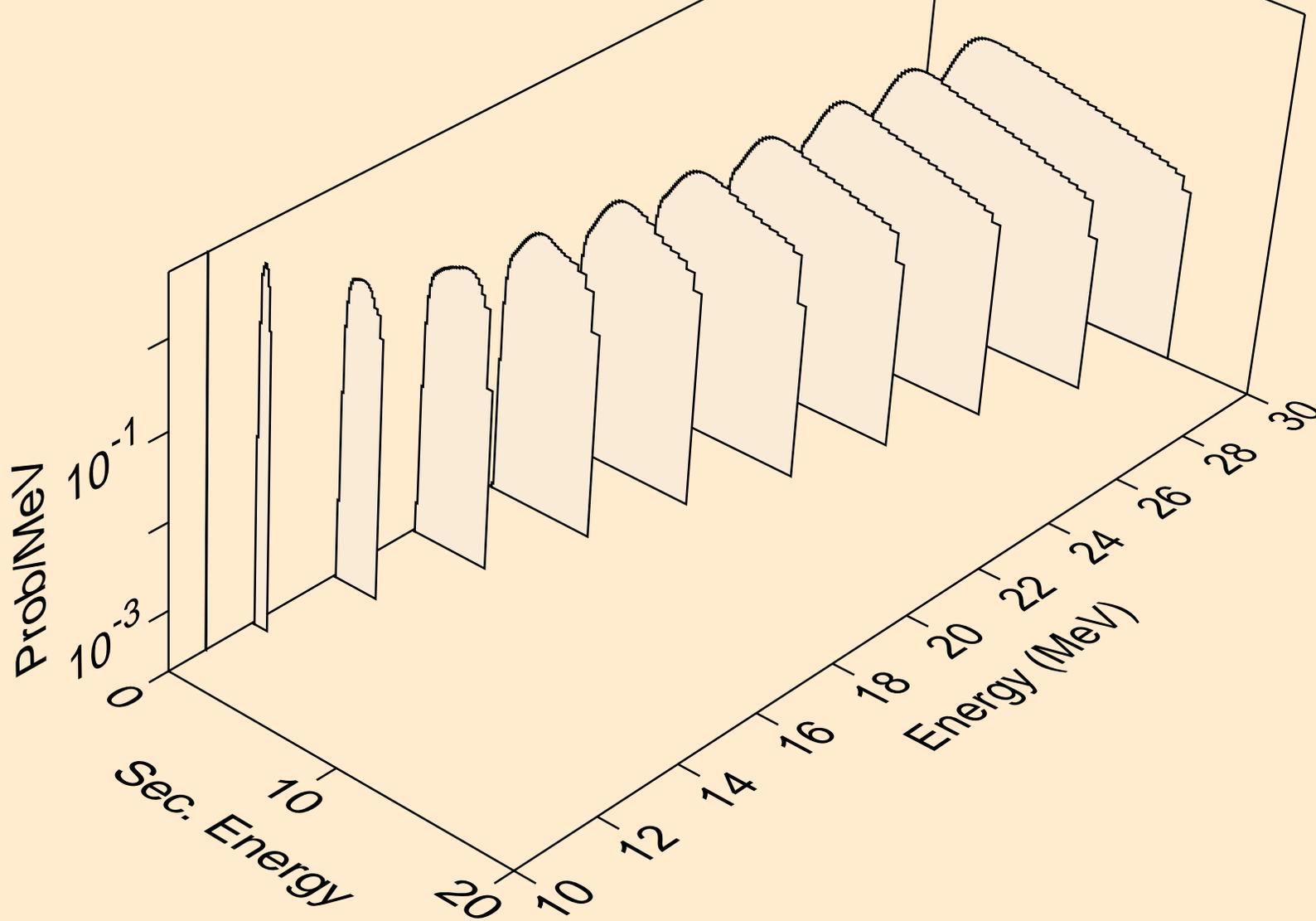
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,npa)



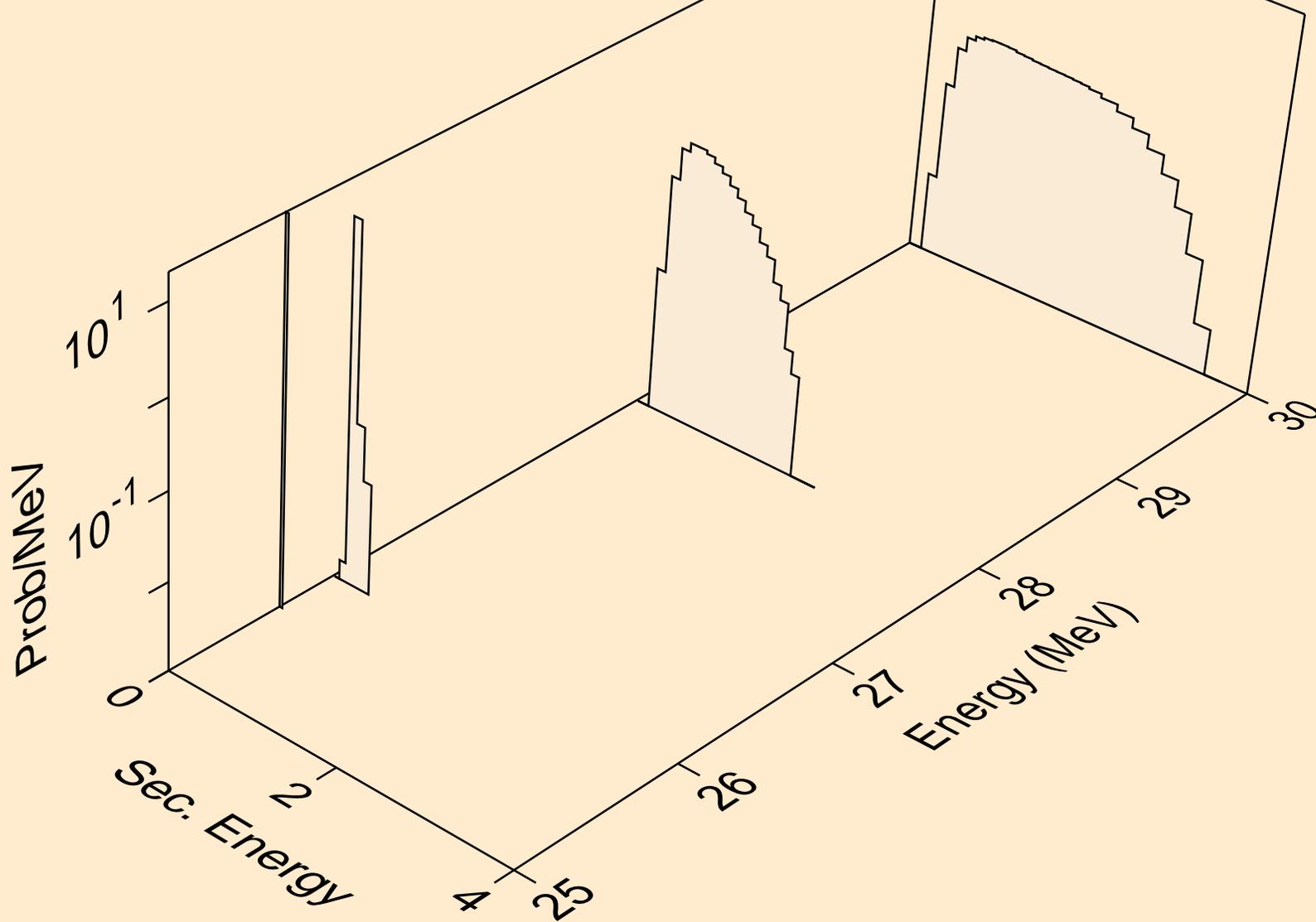
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,x)



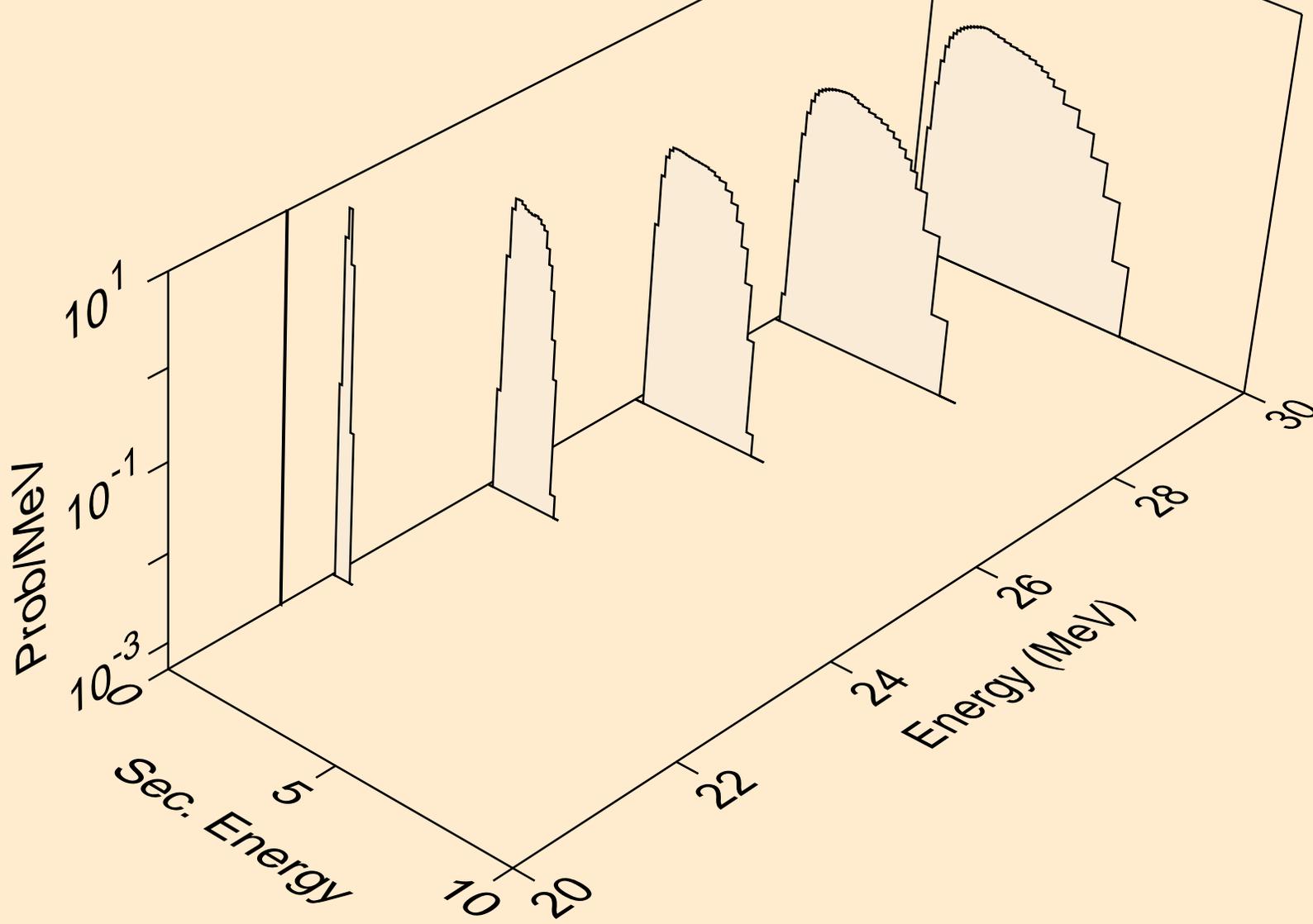
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,n\*)p



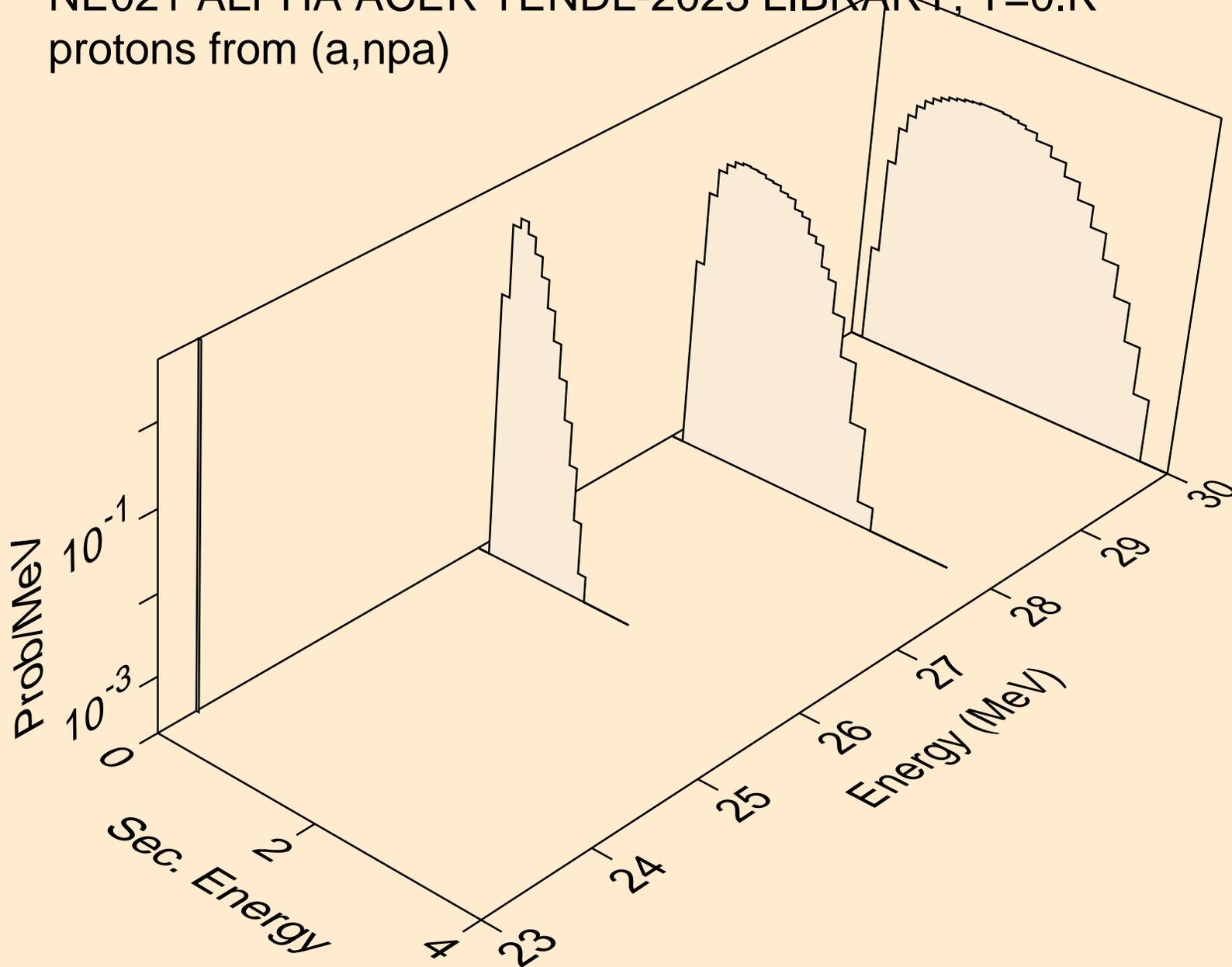
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,2np)



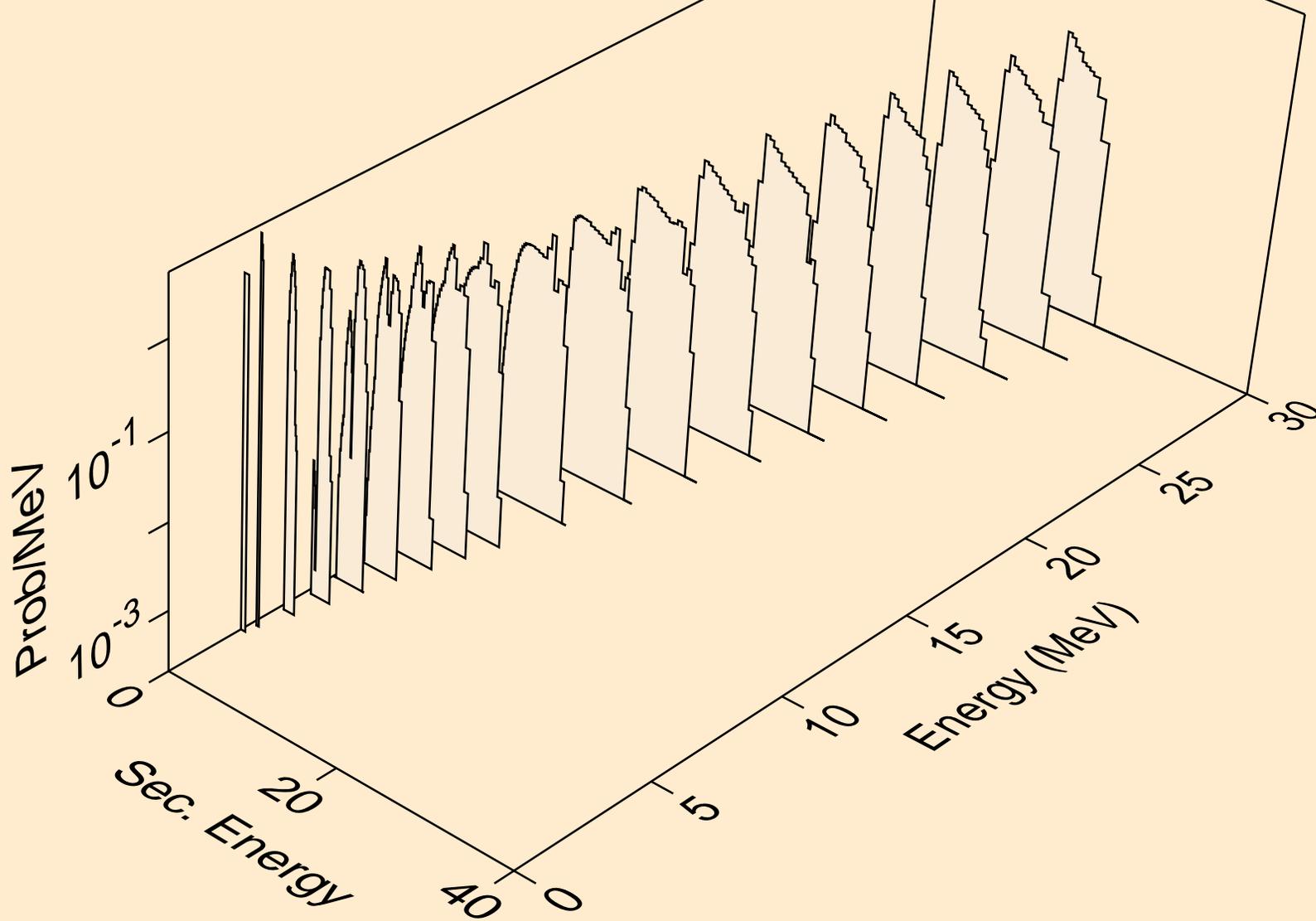
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,n2p)



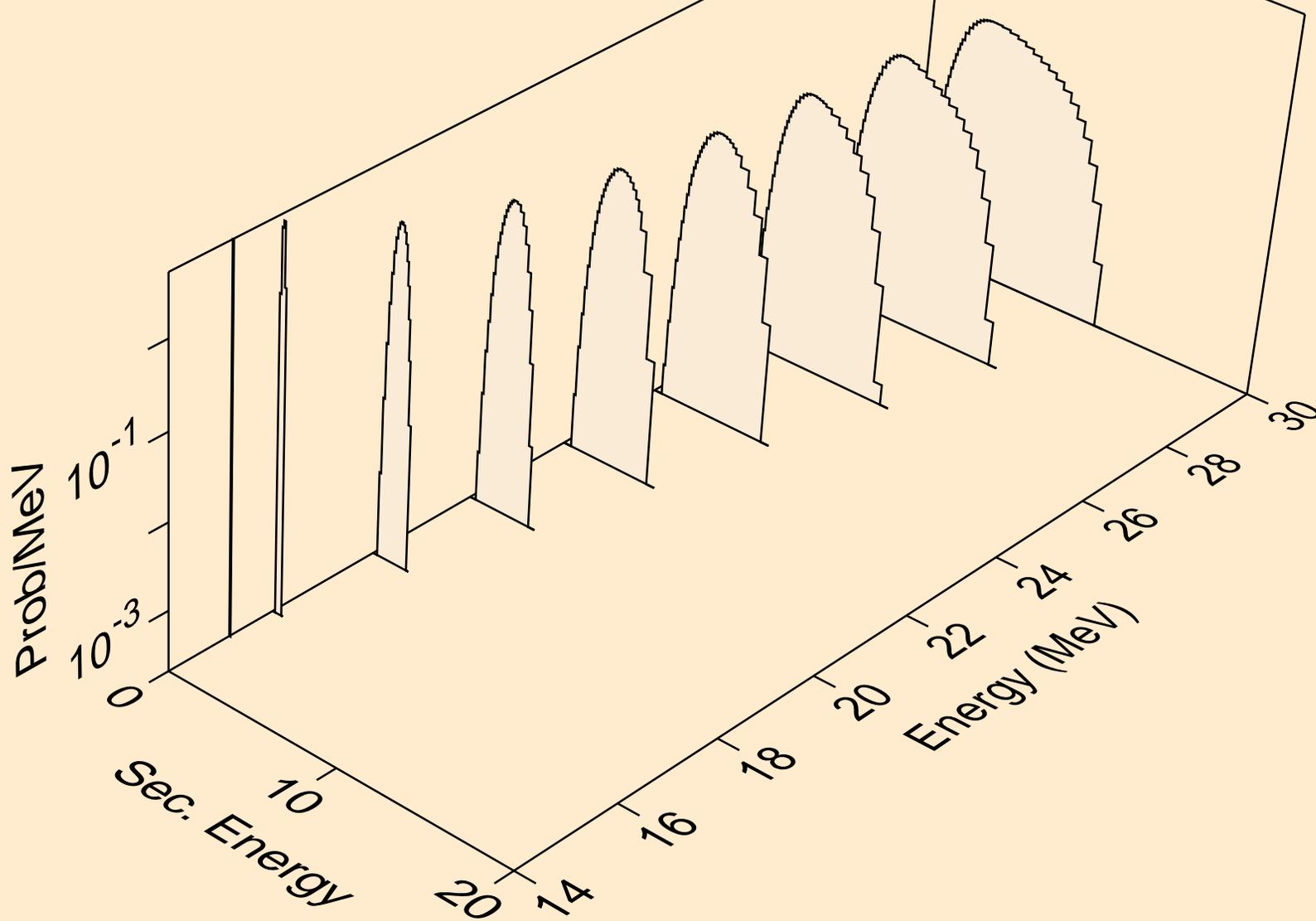
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,npa)



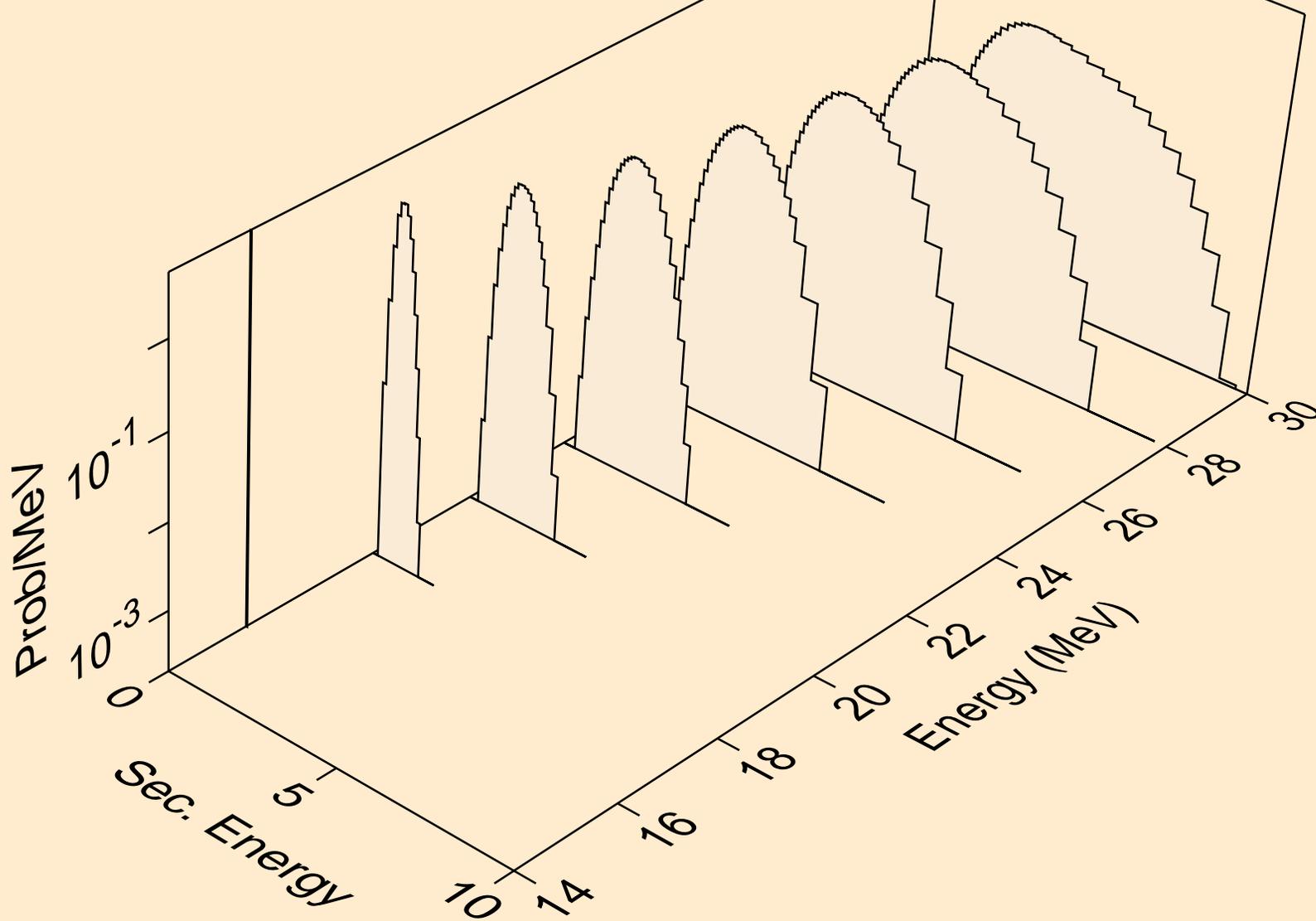
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,p)



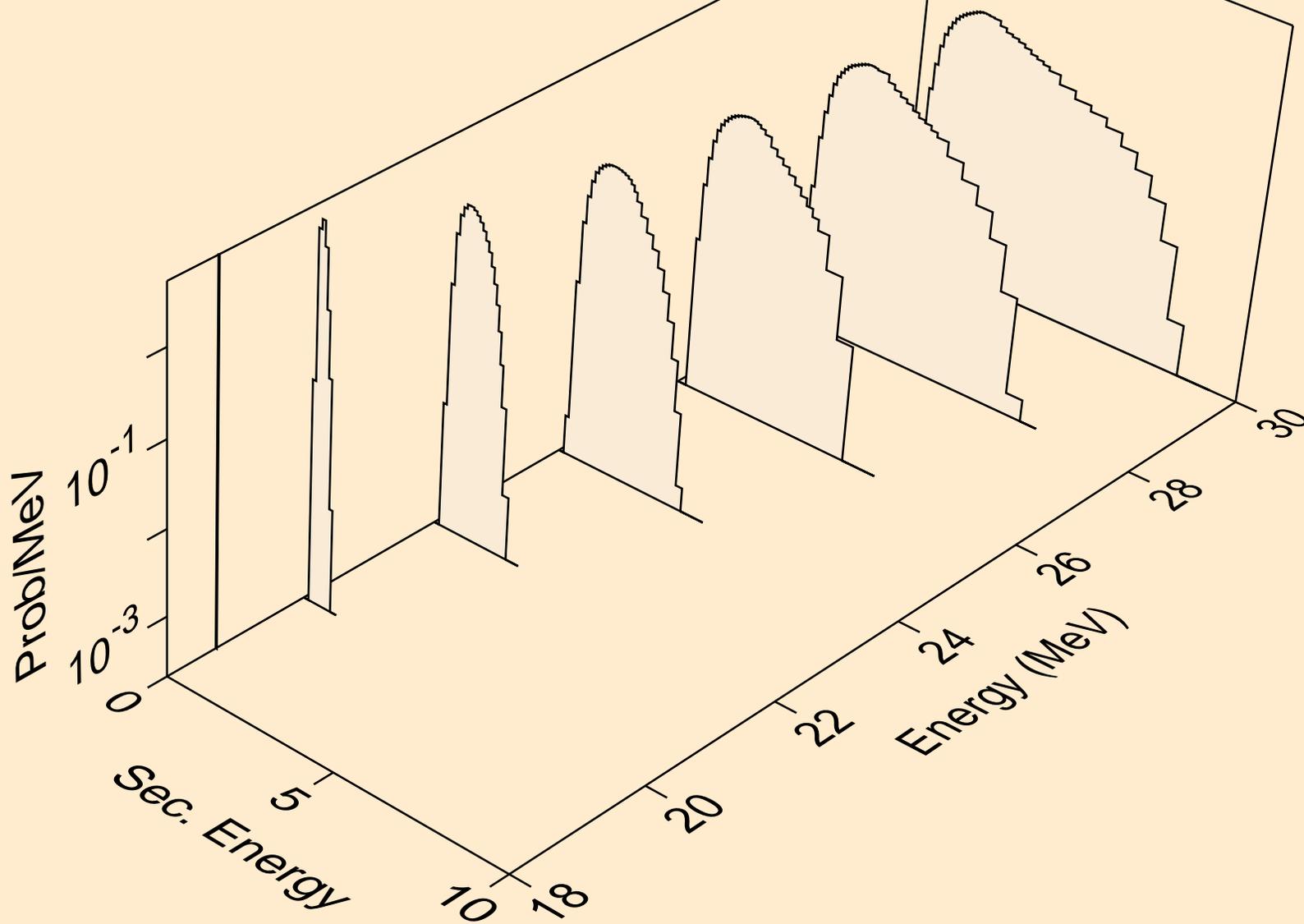
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,2p)



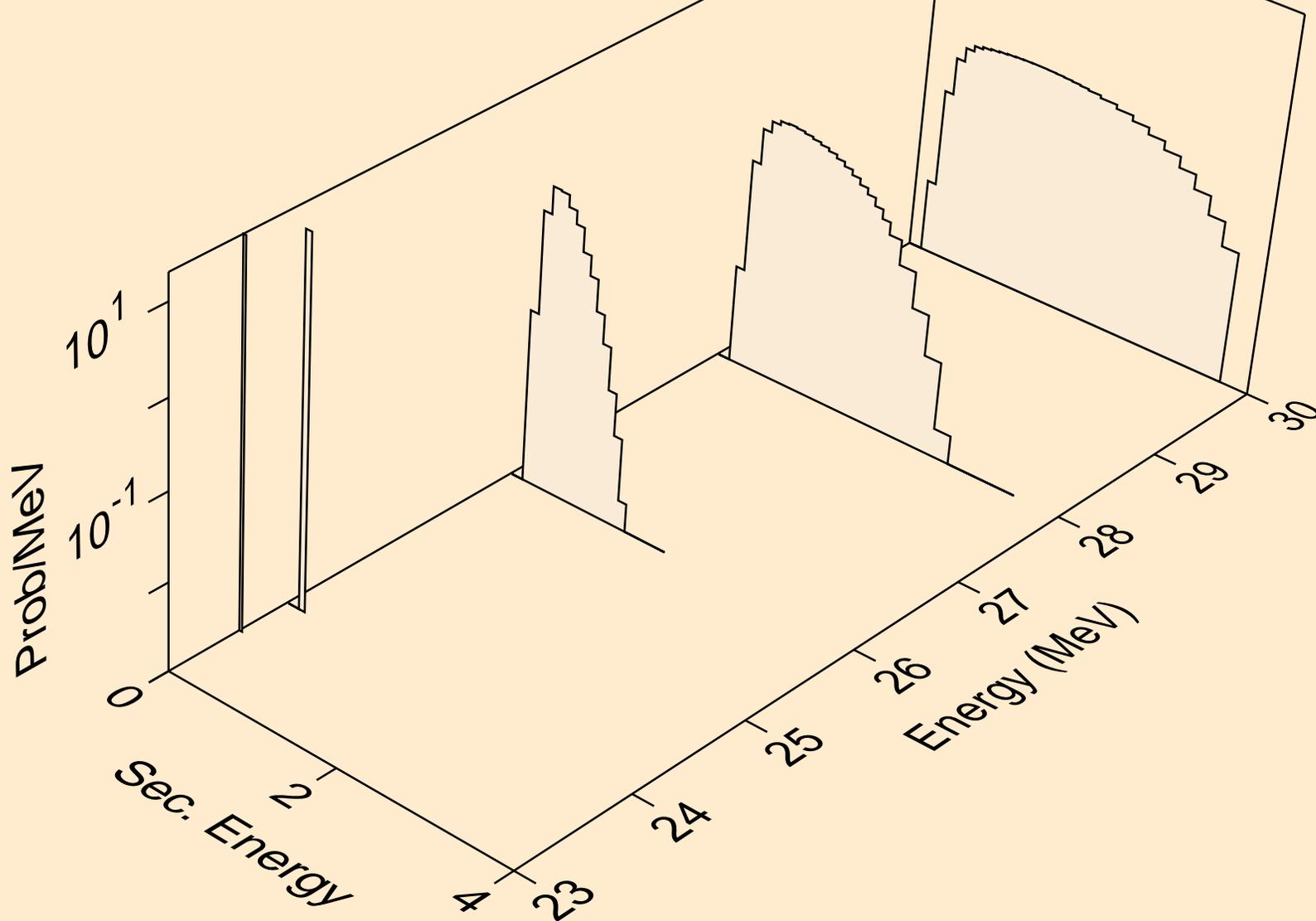
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,pa)



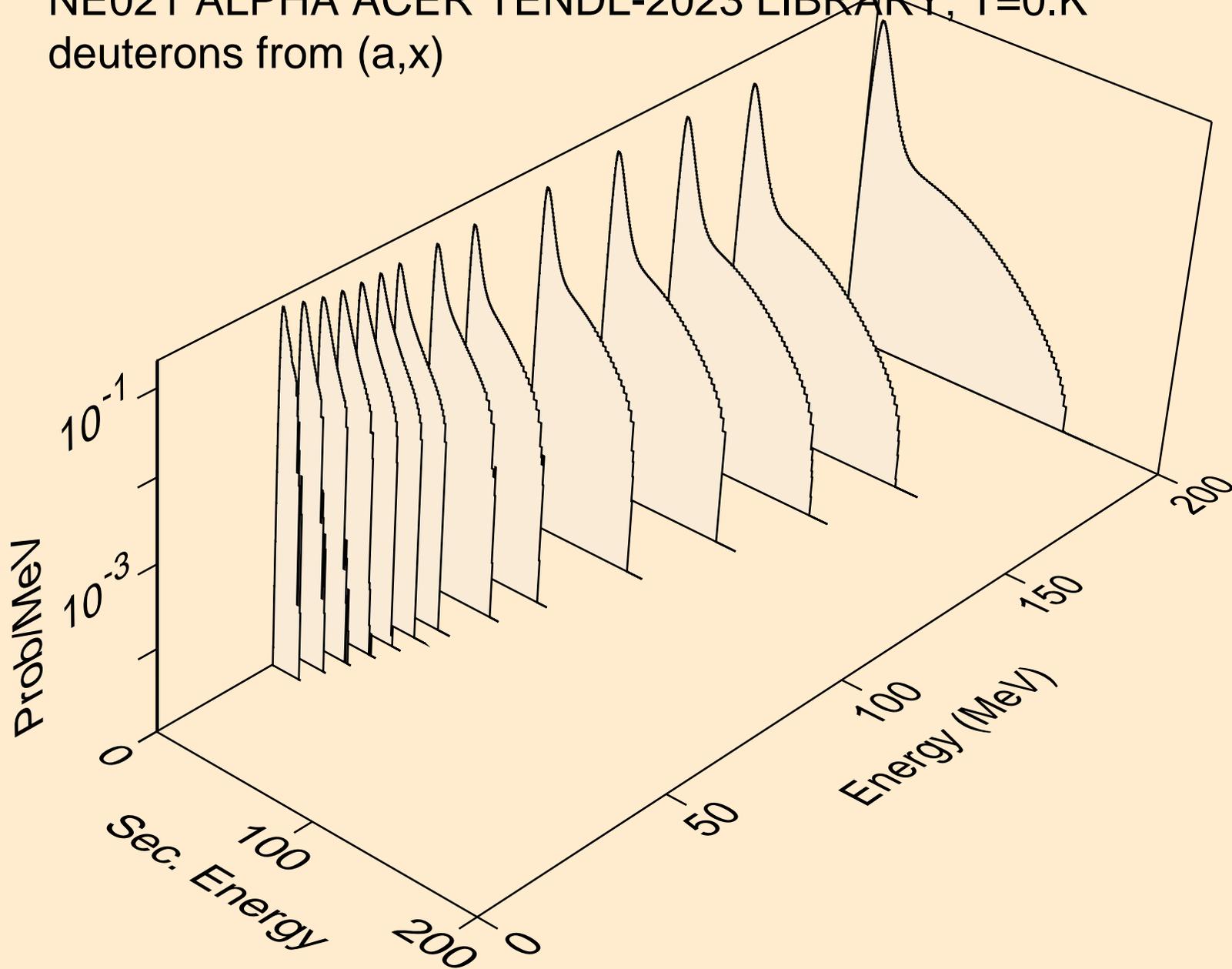
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,pd)



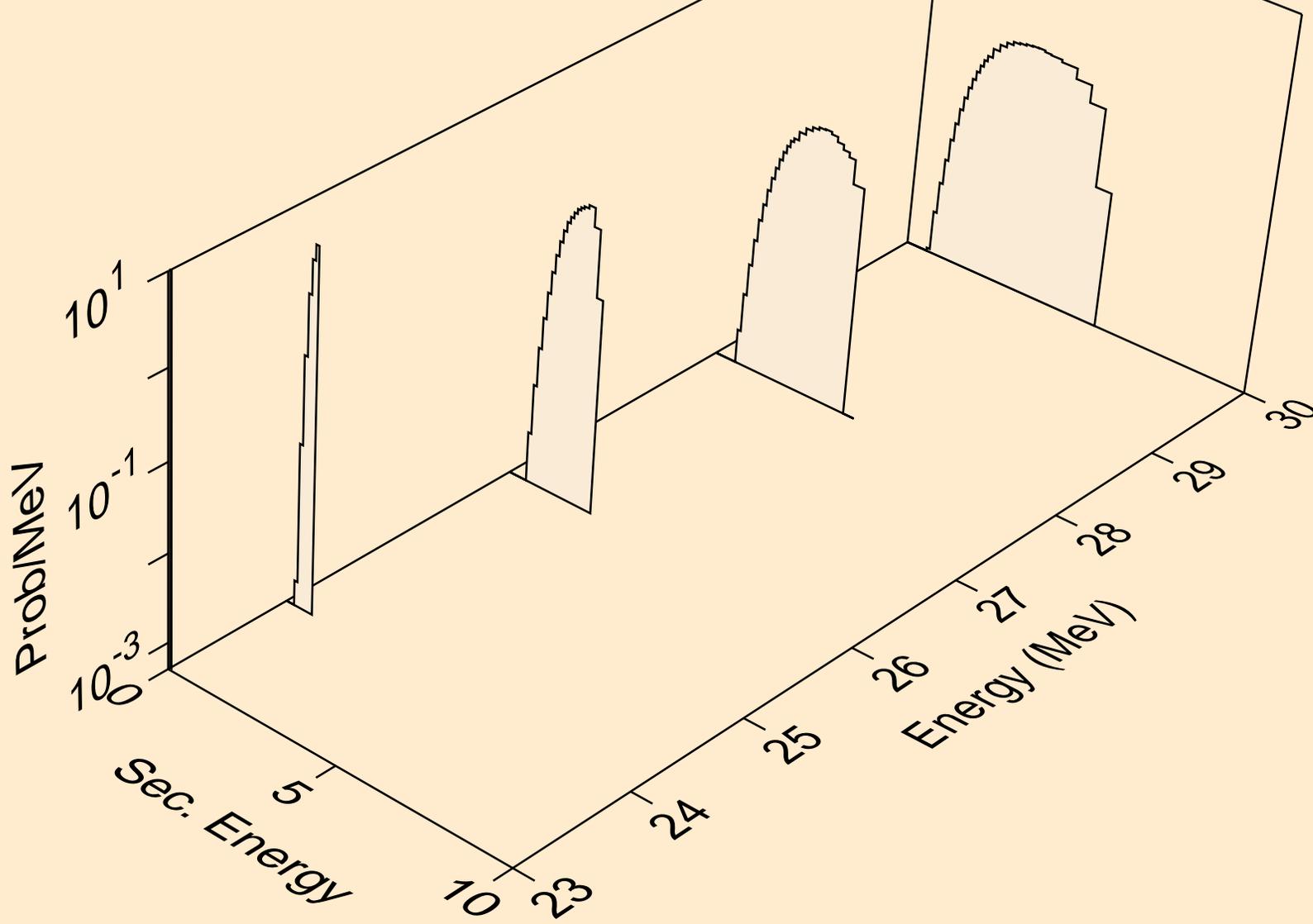
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,pt)



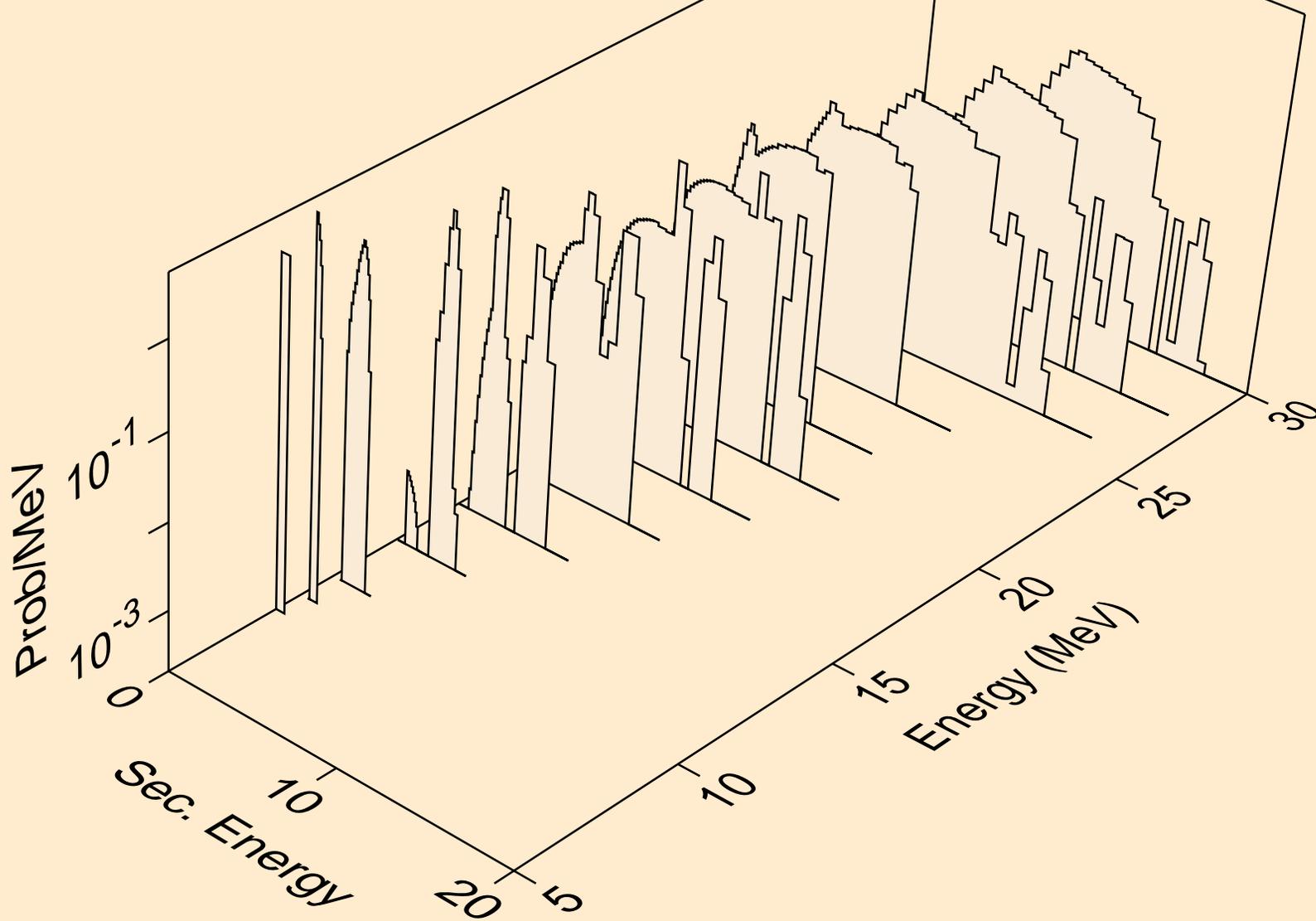
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,x)



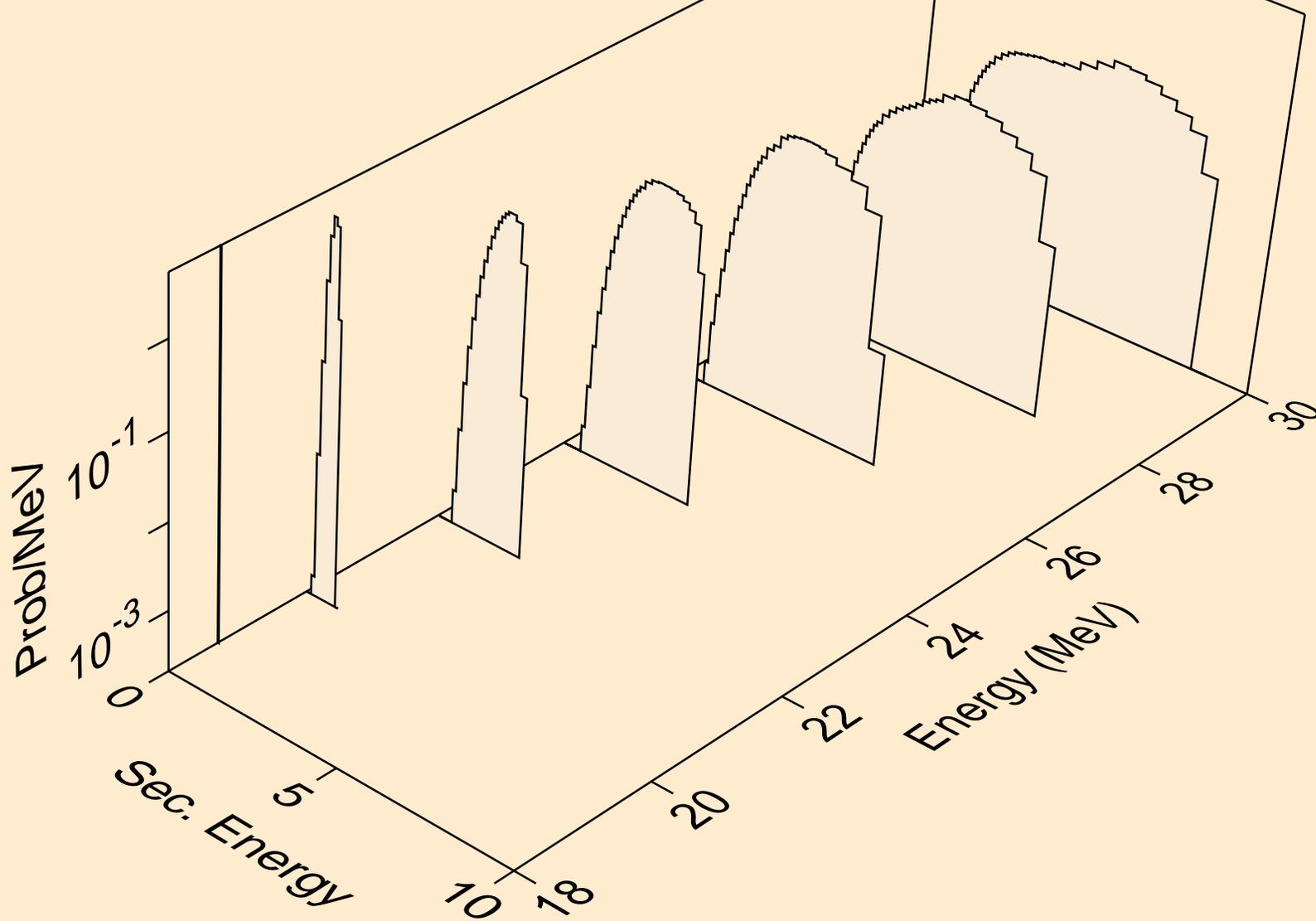
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,n\*)d



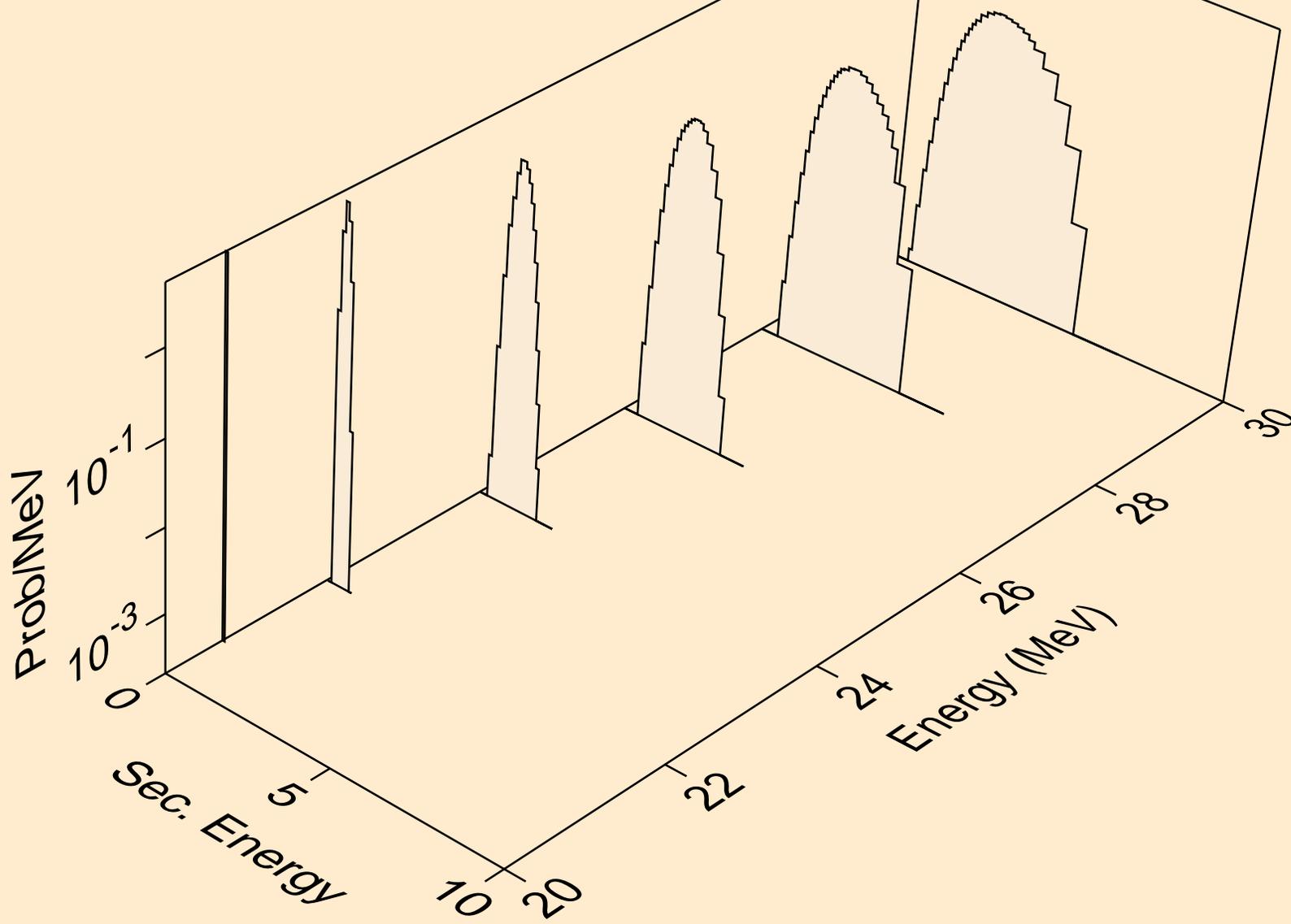
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,d)



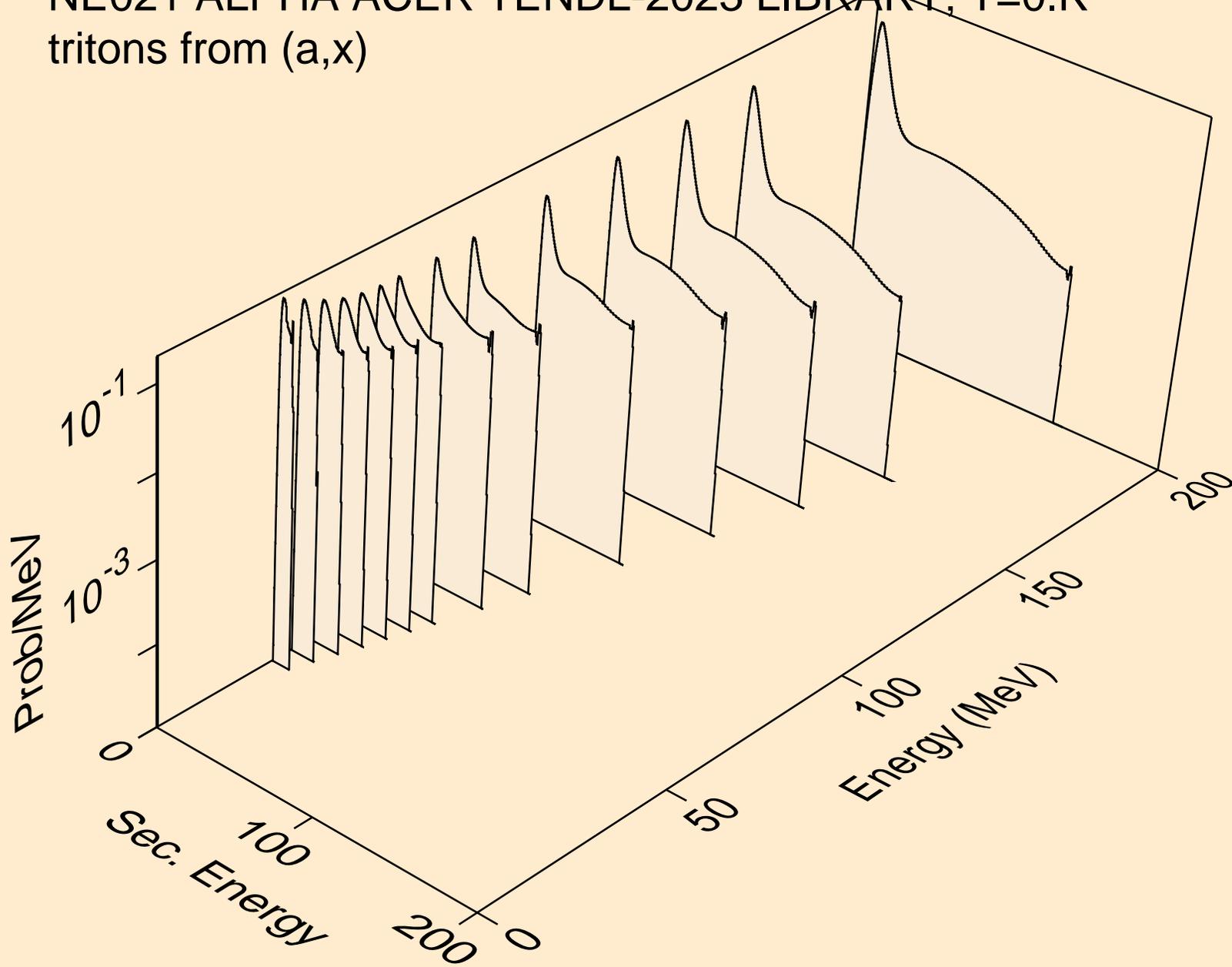
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,pd)



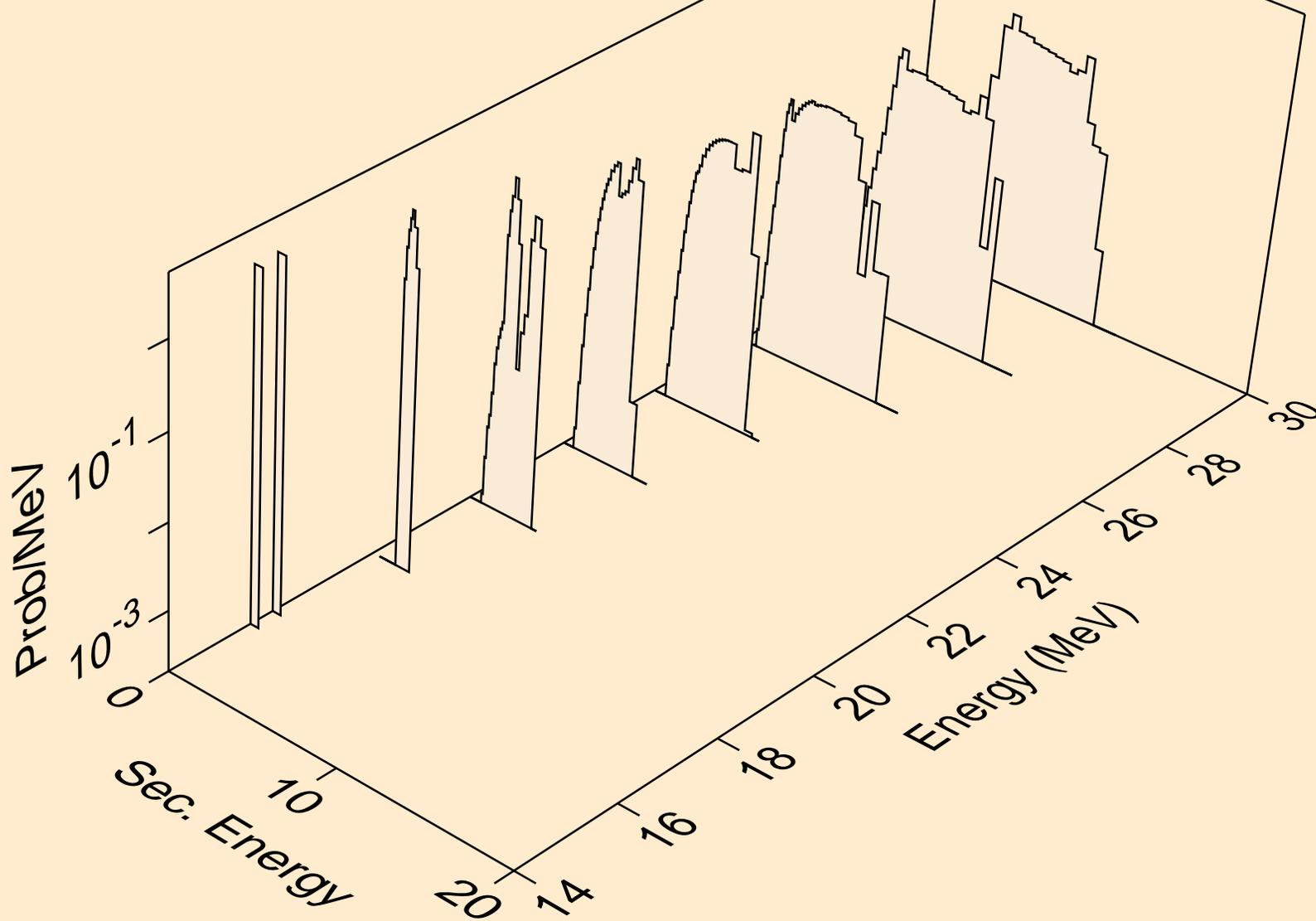
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,da)



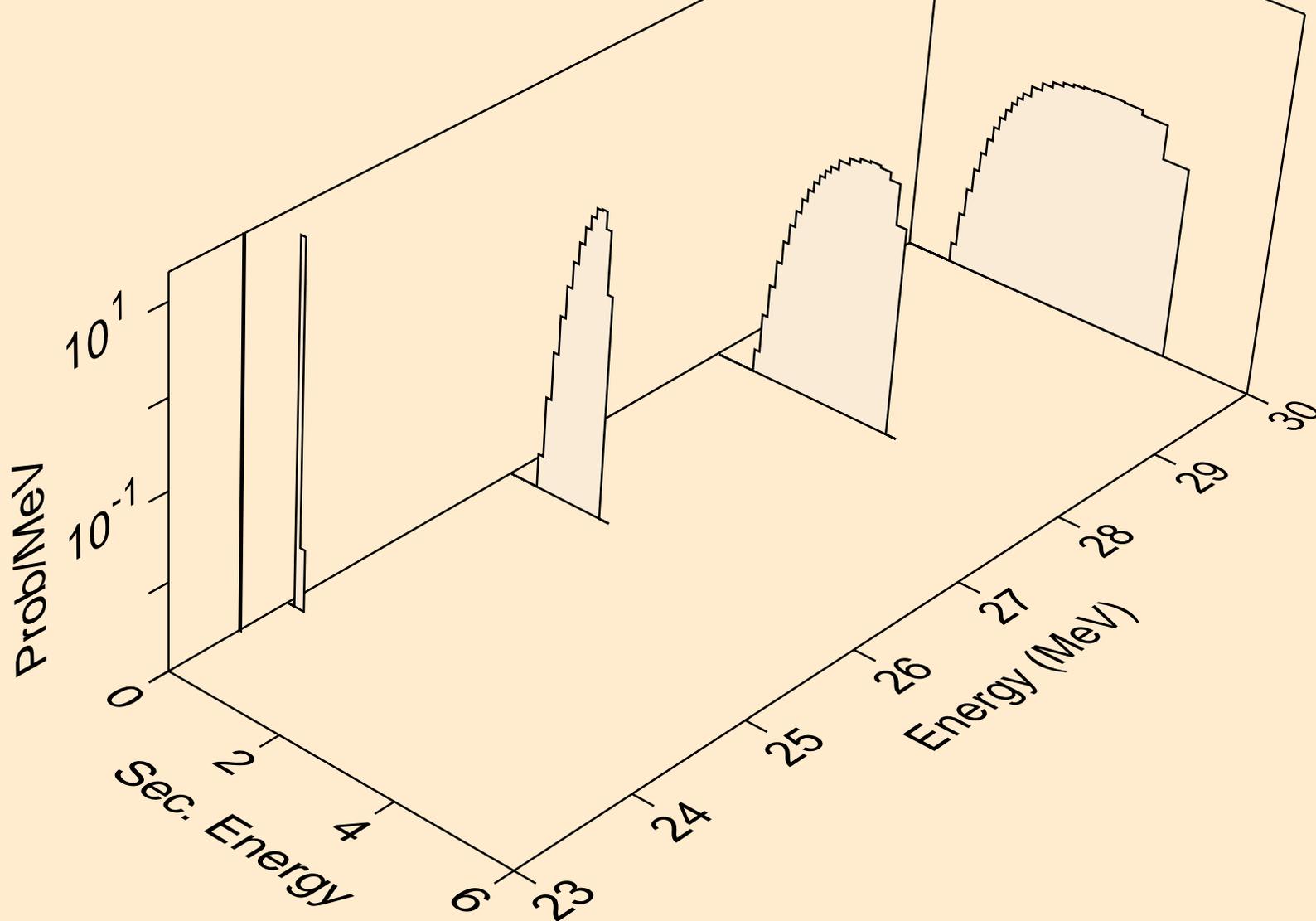
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,x)



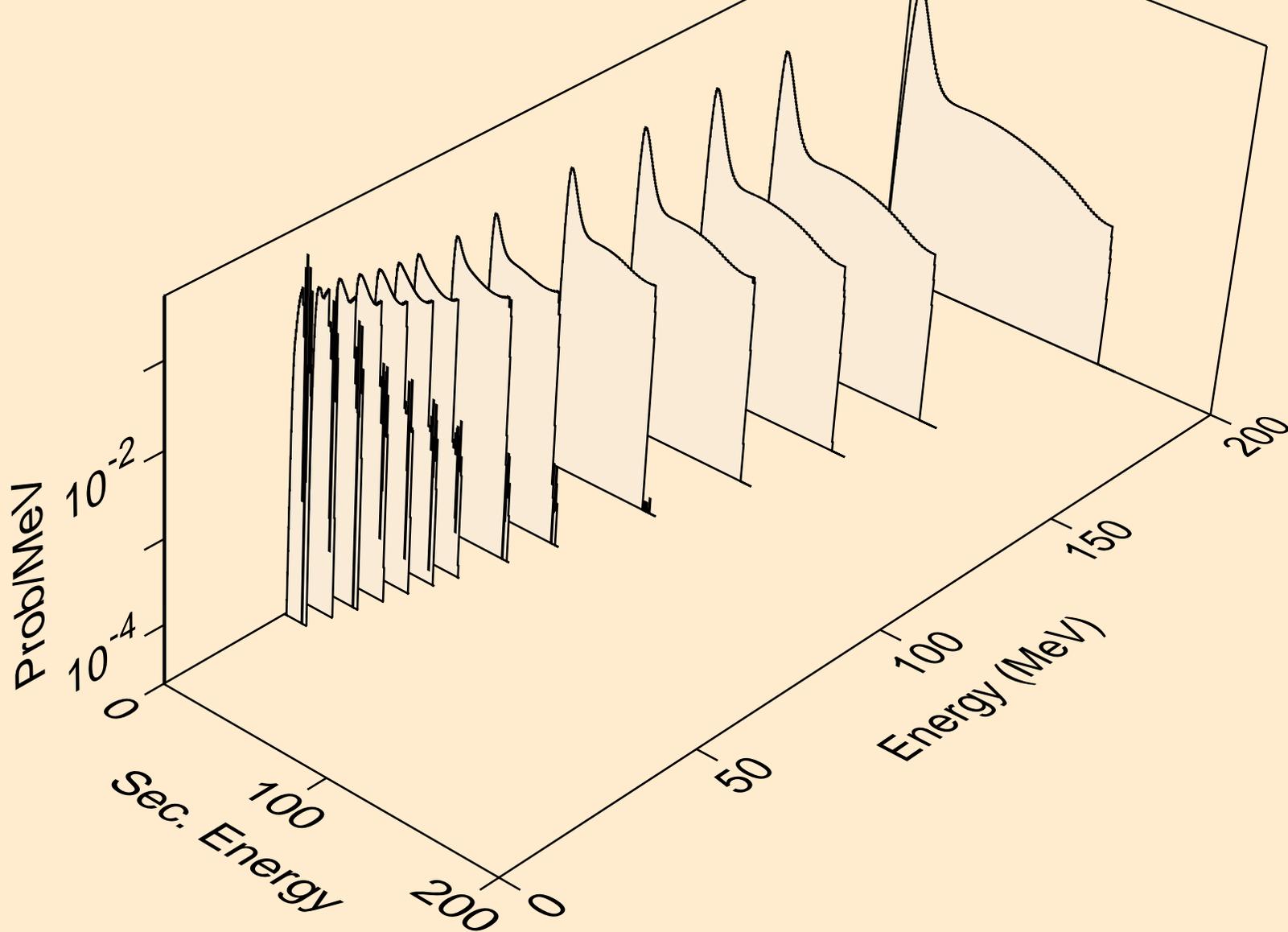
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,t)



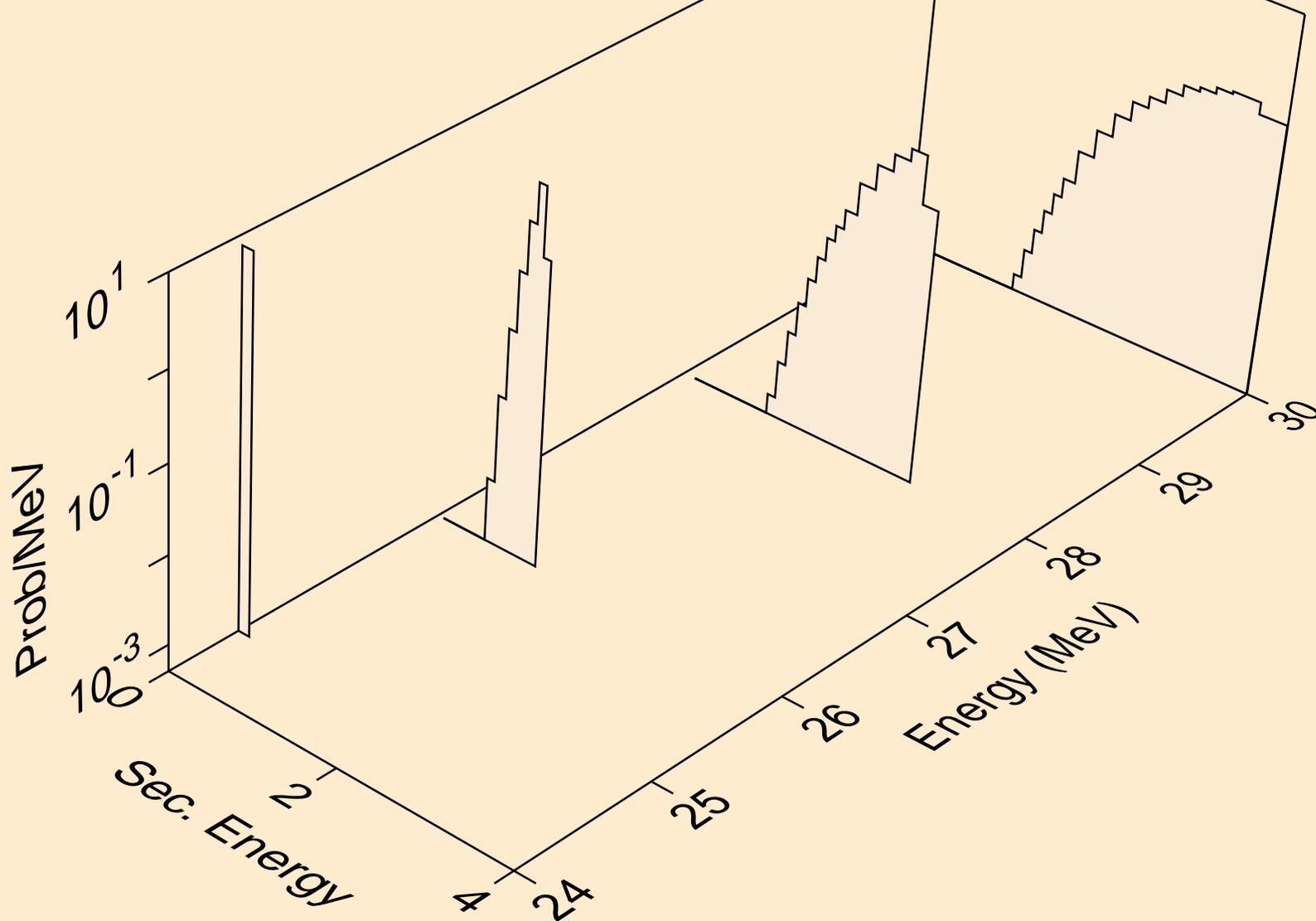
NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,pt)



NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,x)



NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,n\*)he3



NE021 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,he3)

