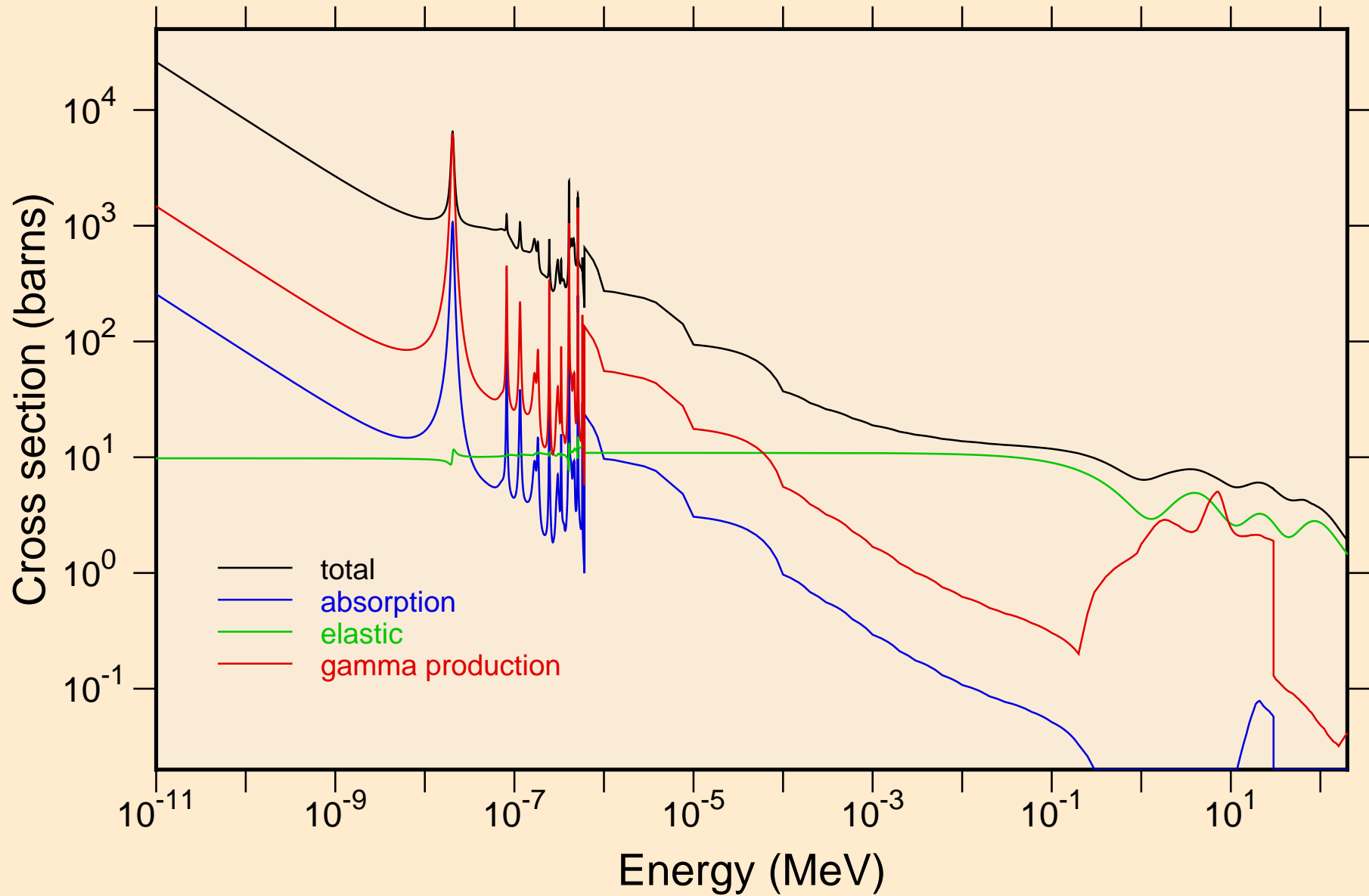
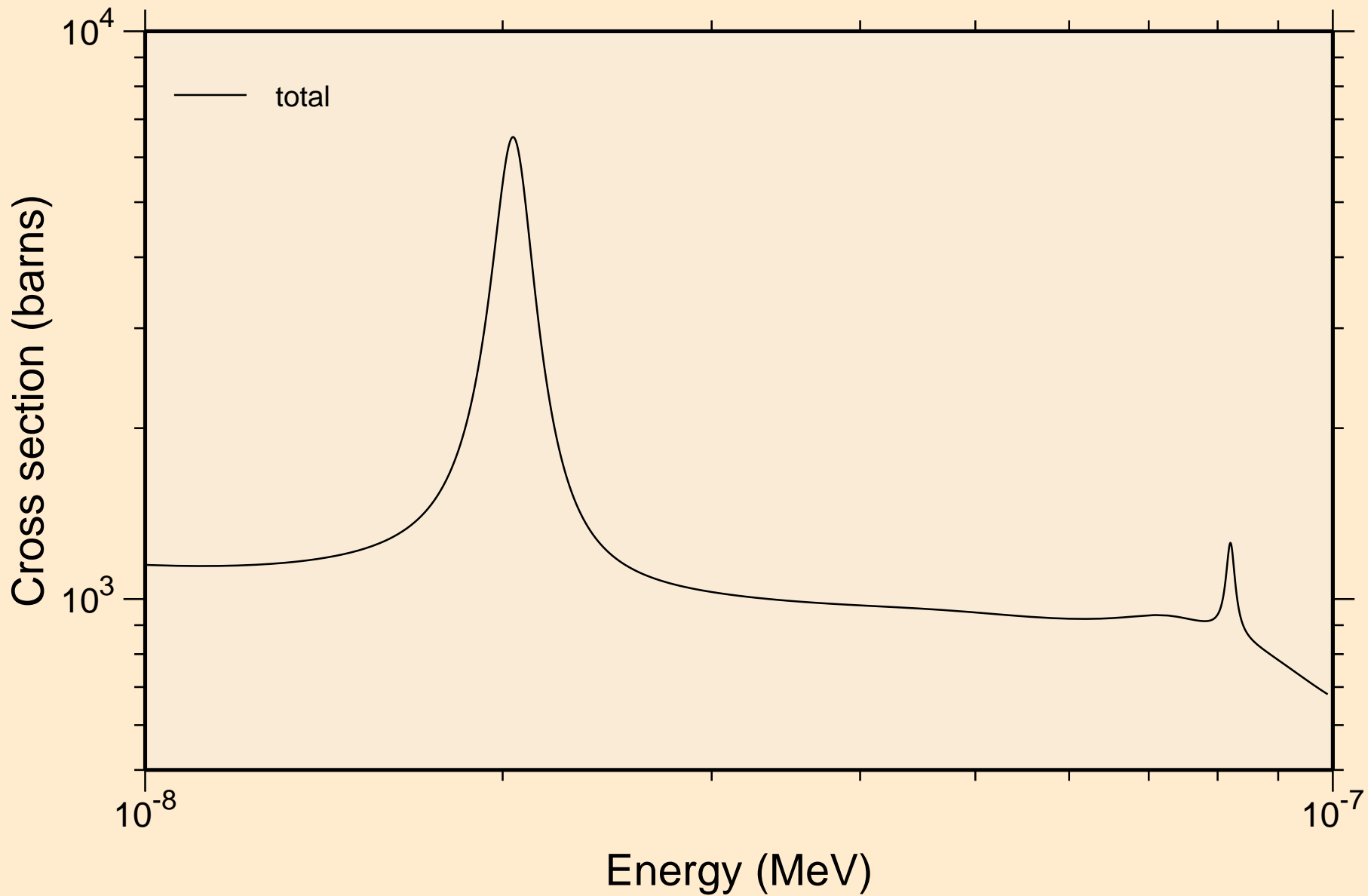


# NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

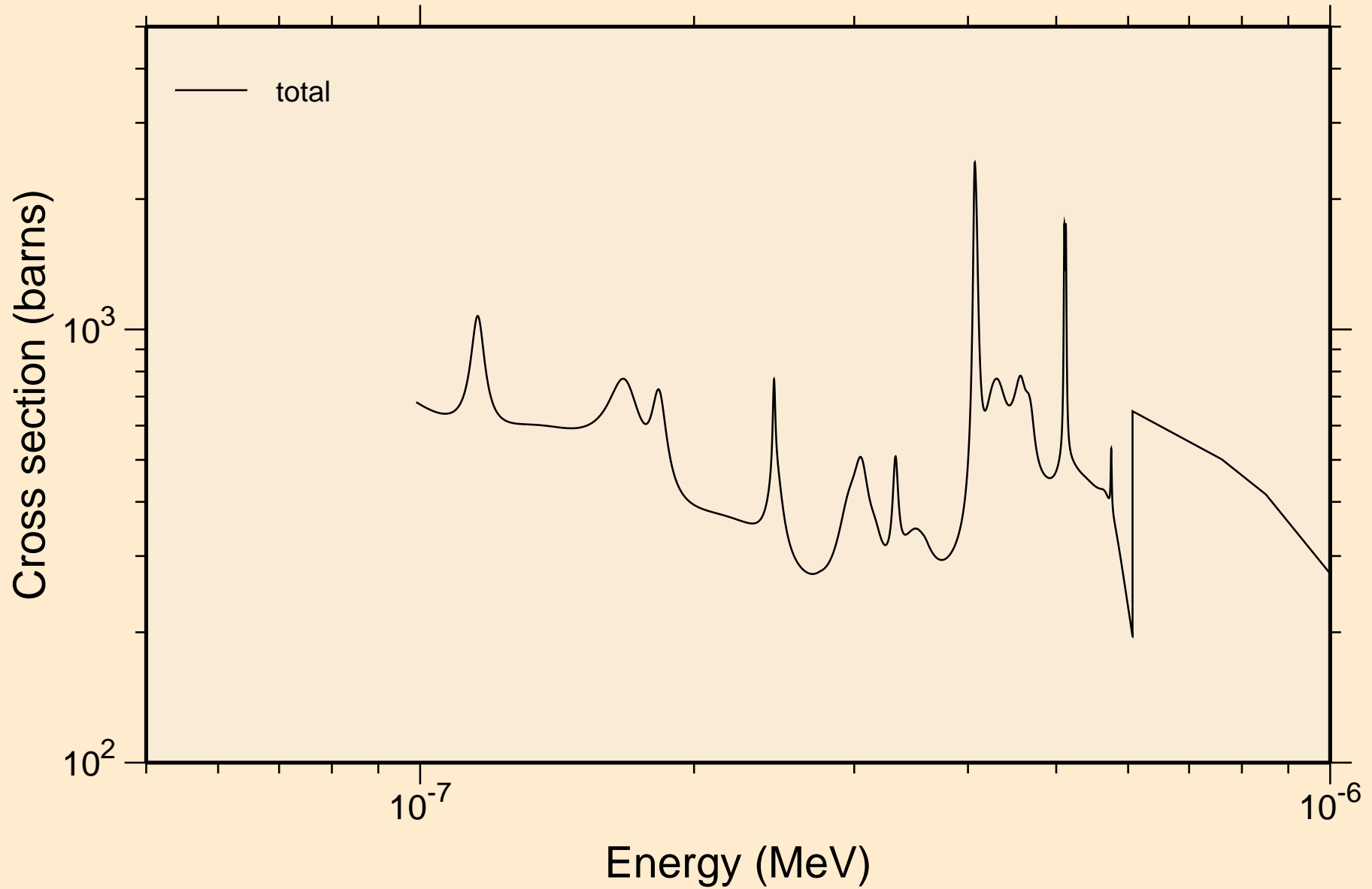
## Principal cross sections



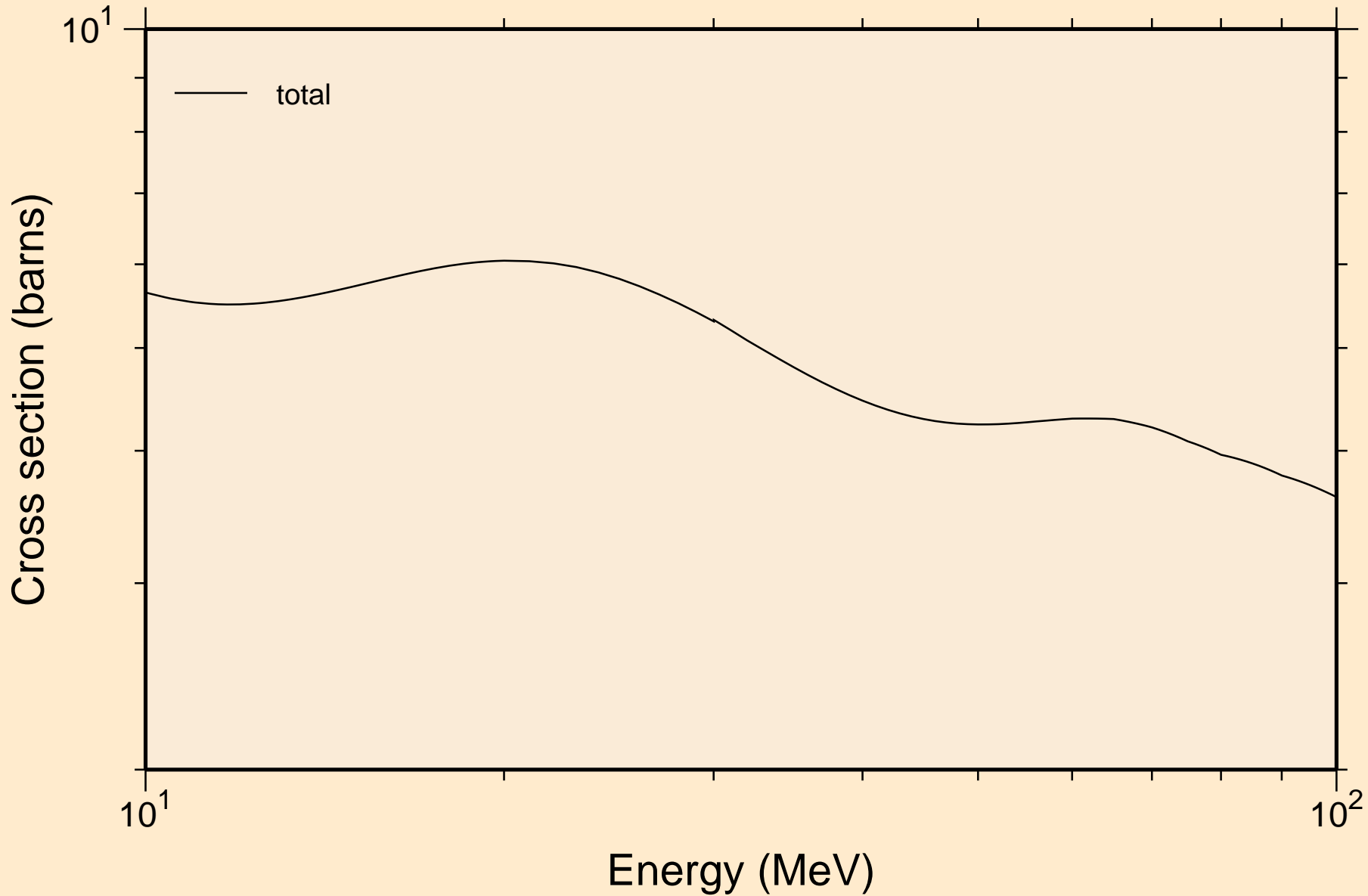
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



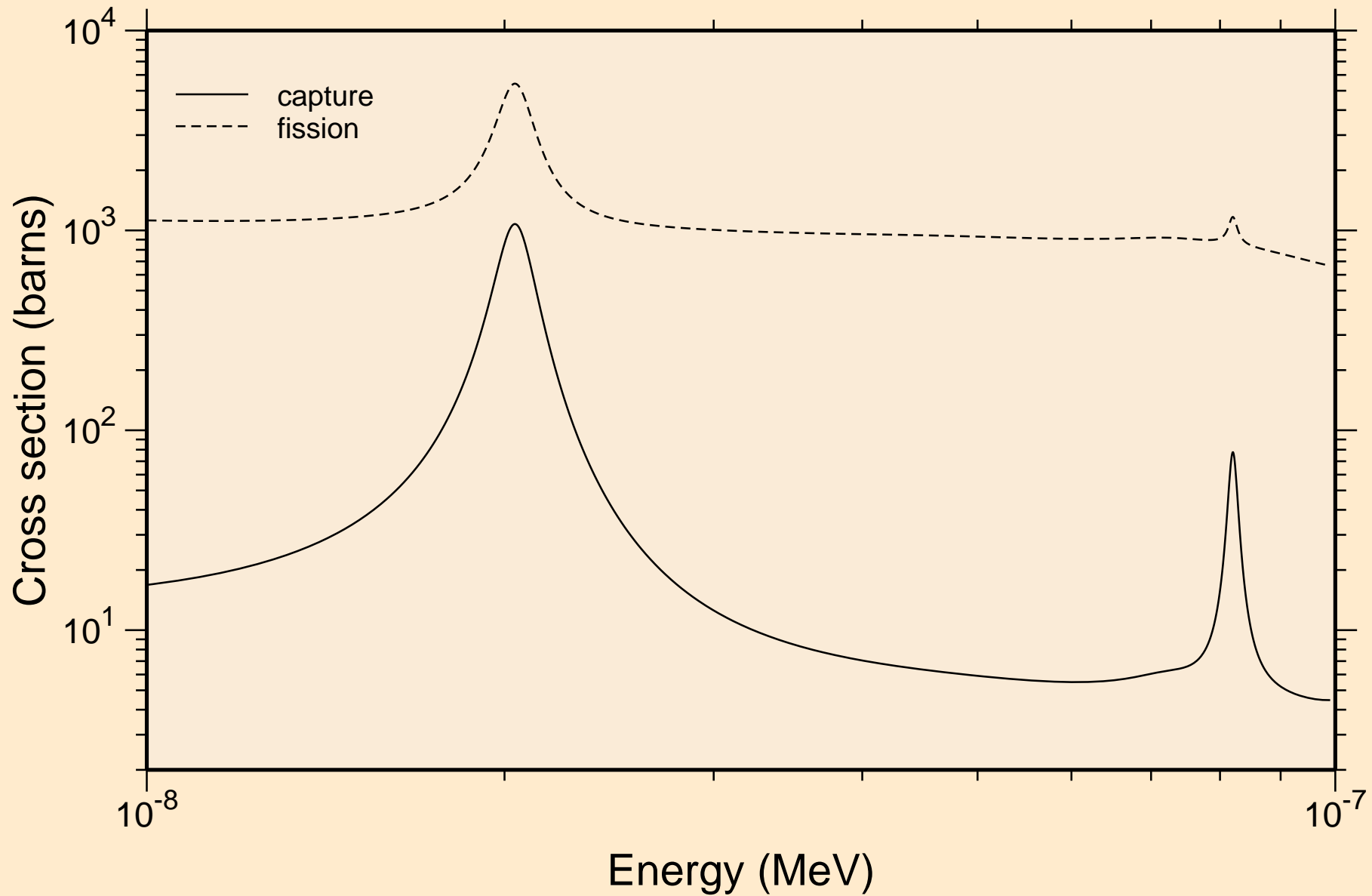
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



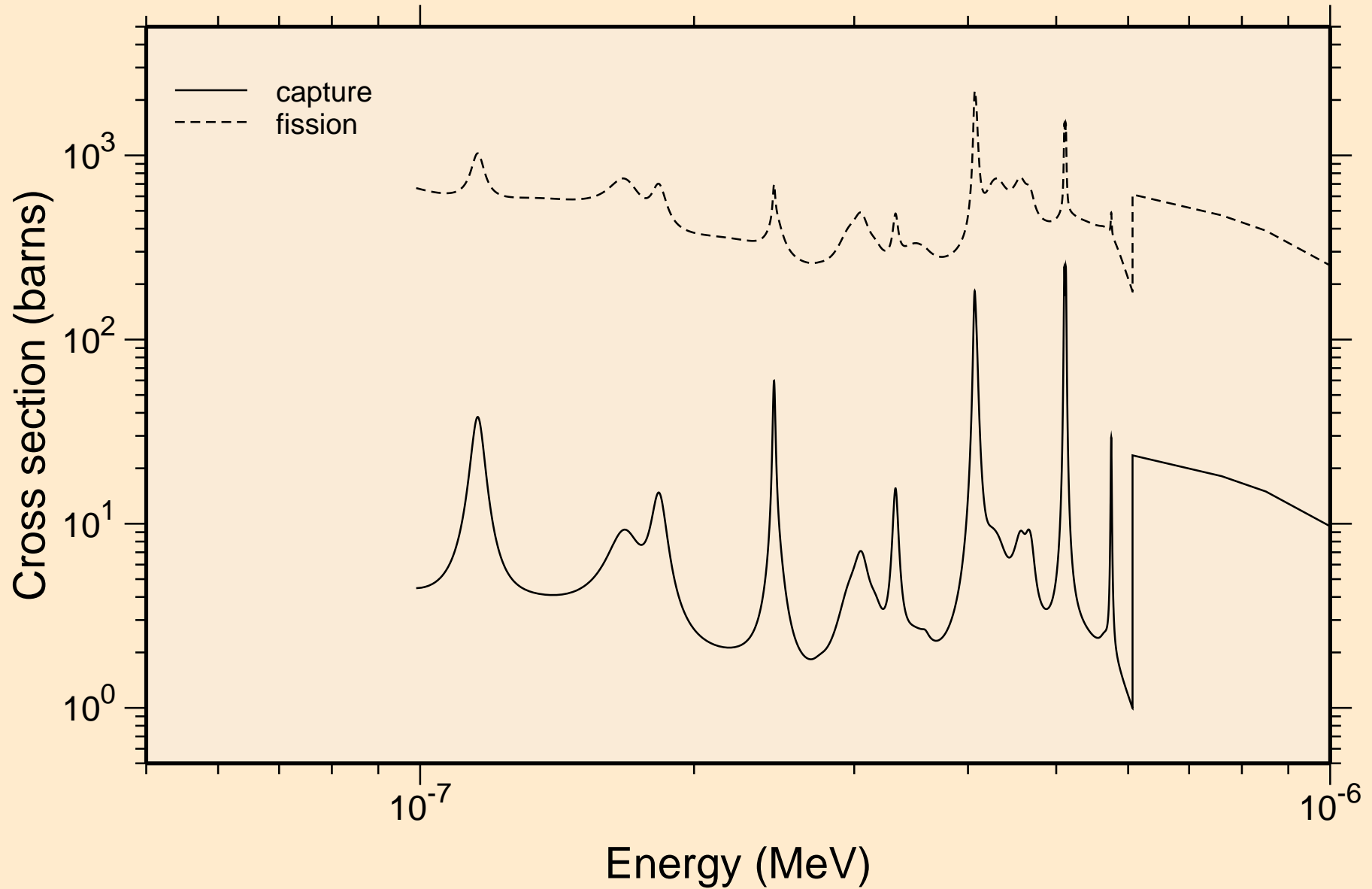
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



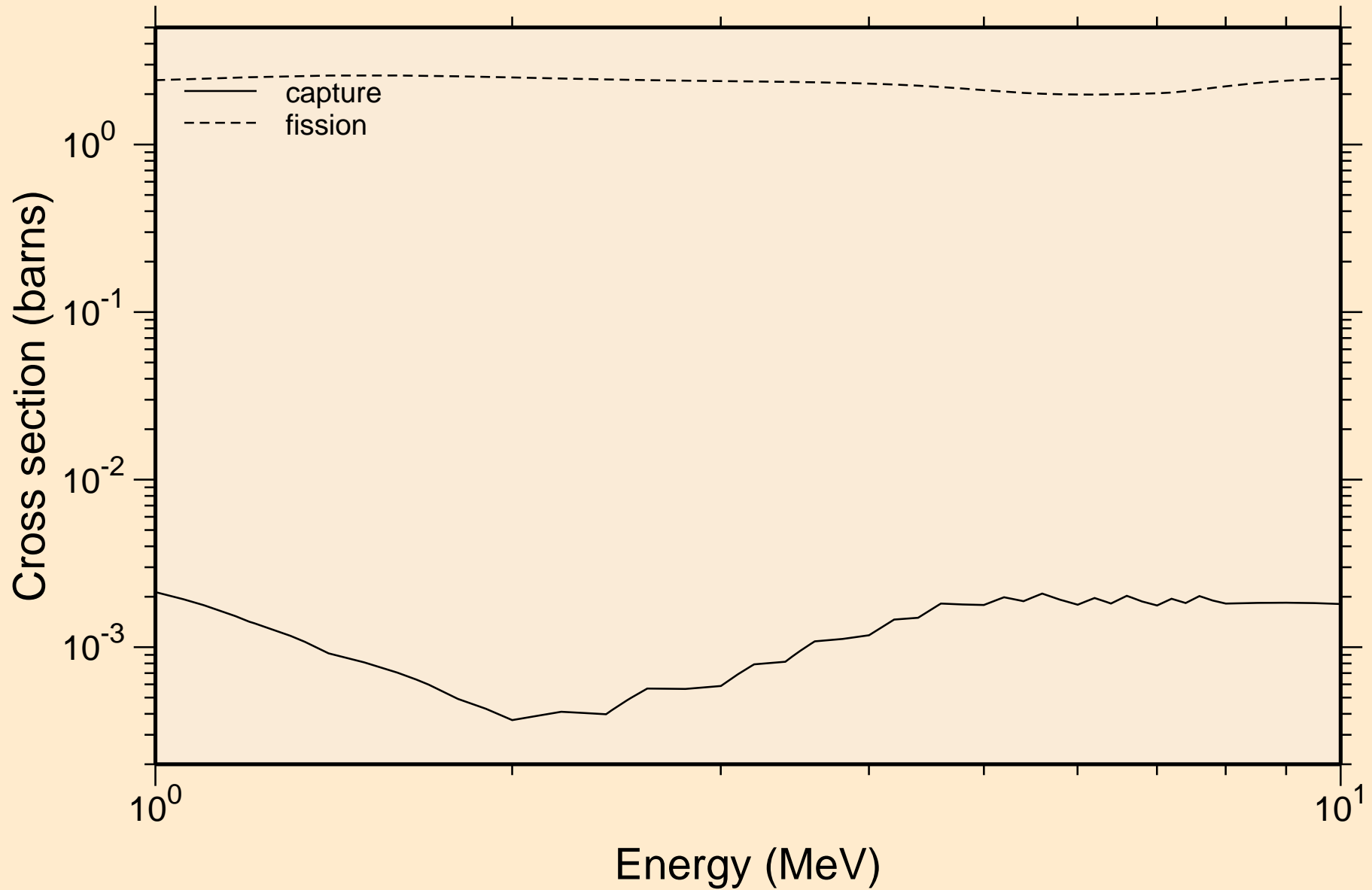
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

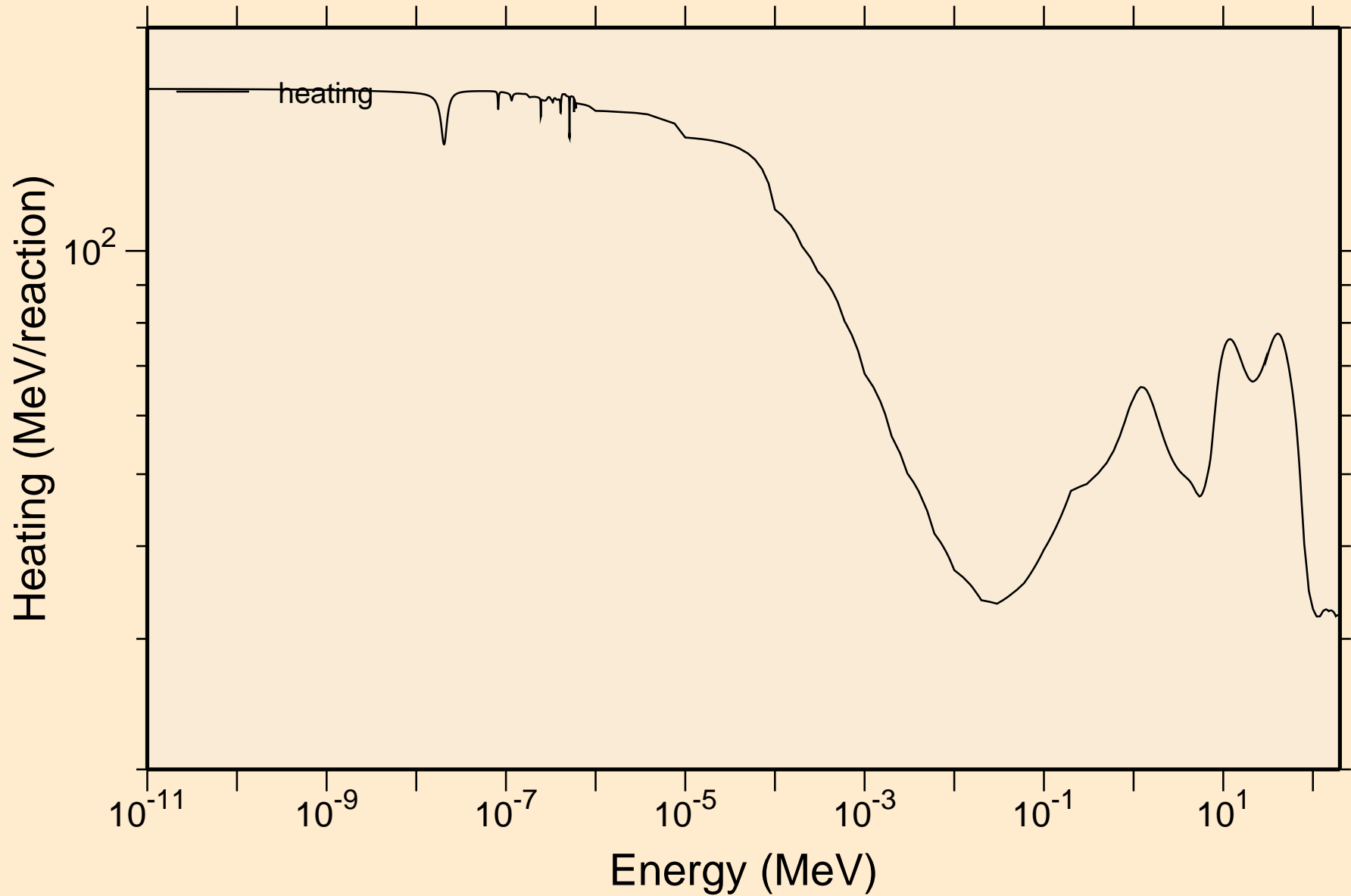


NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



# NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

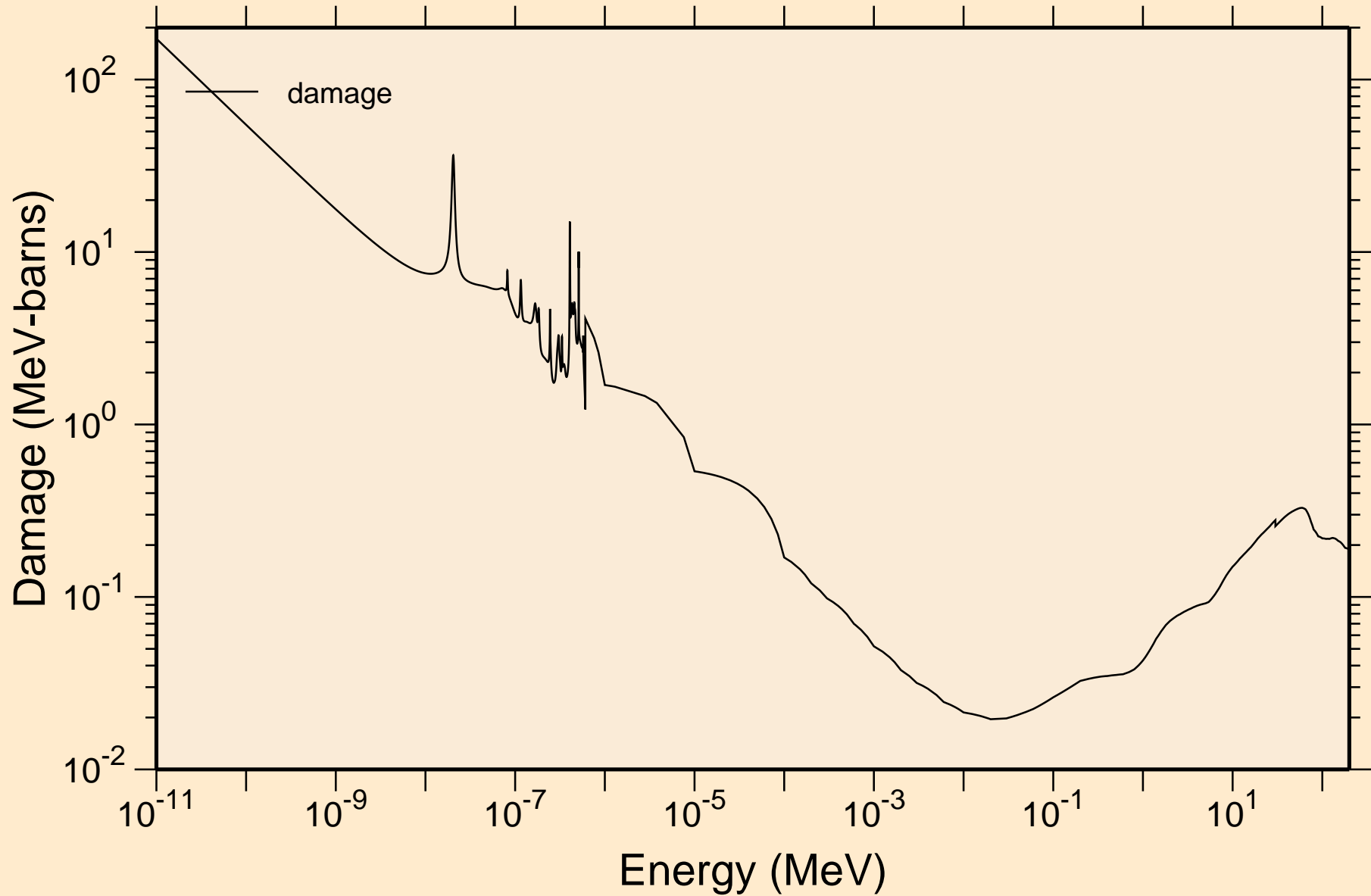
## Heating





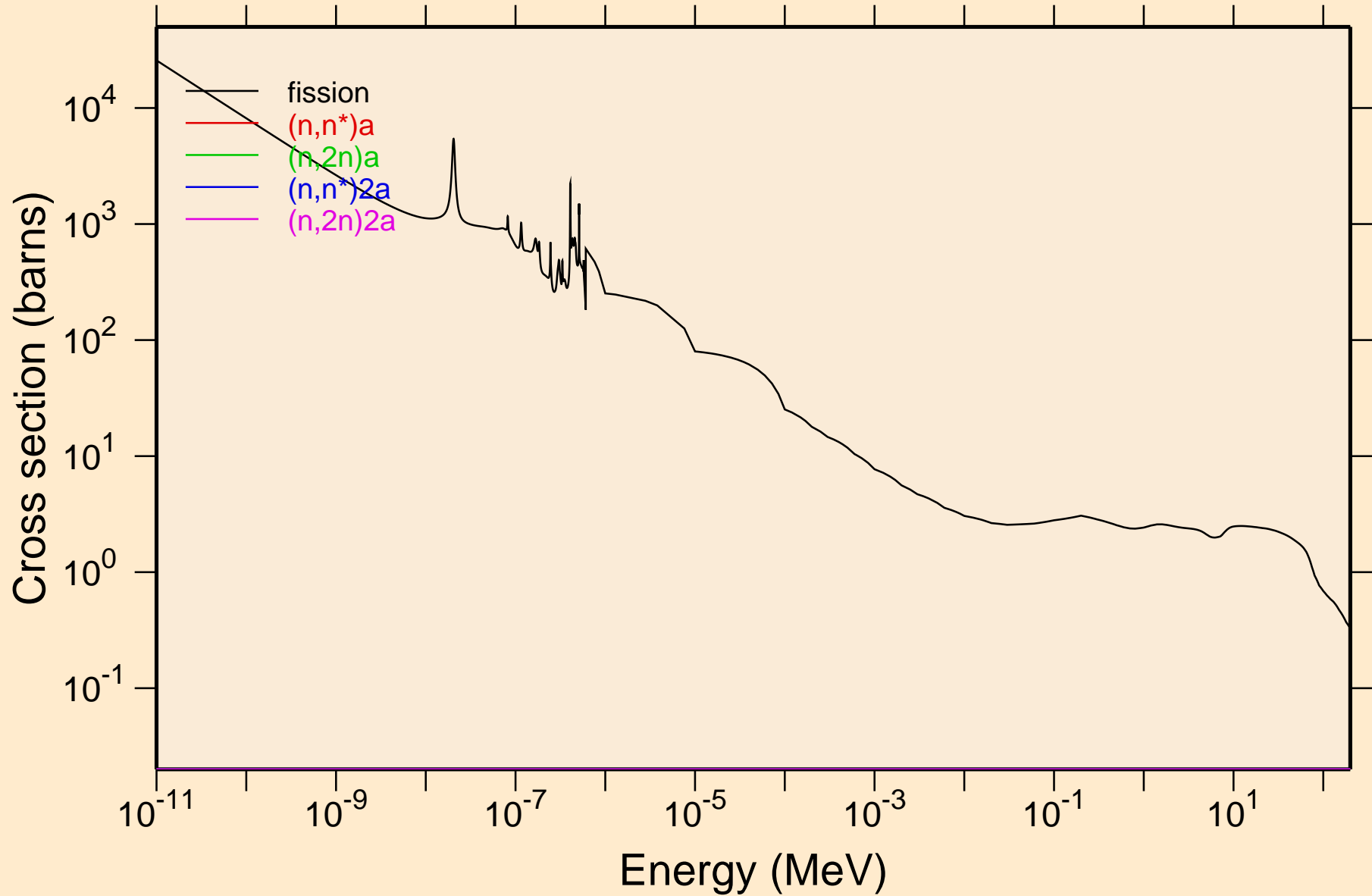
# NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage



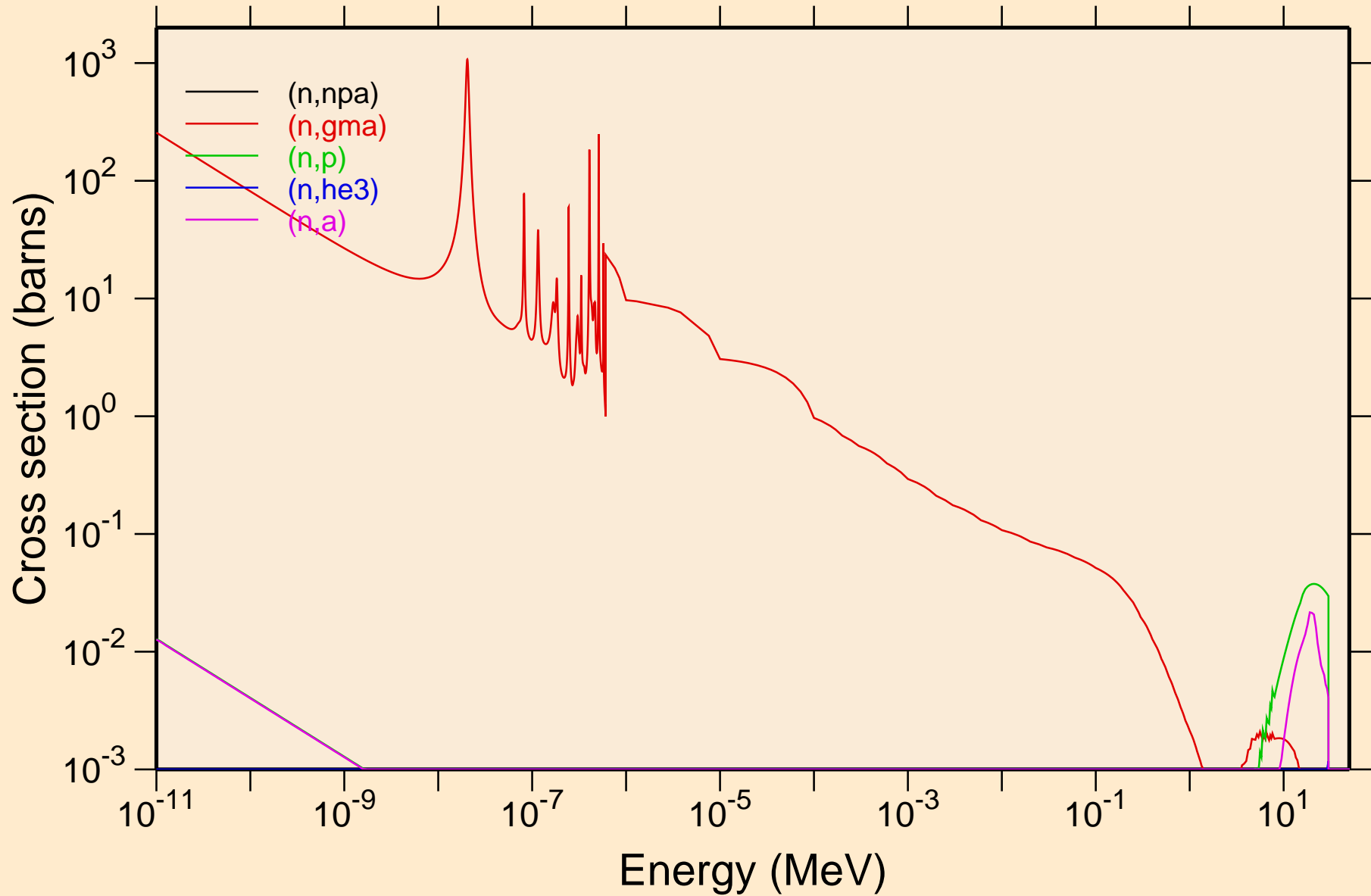
# NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

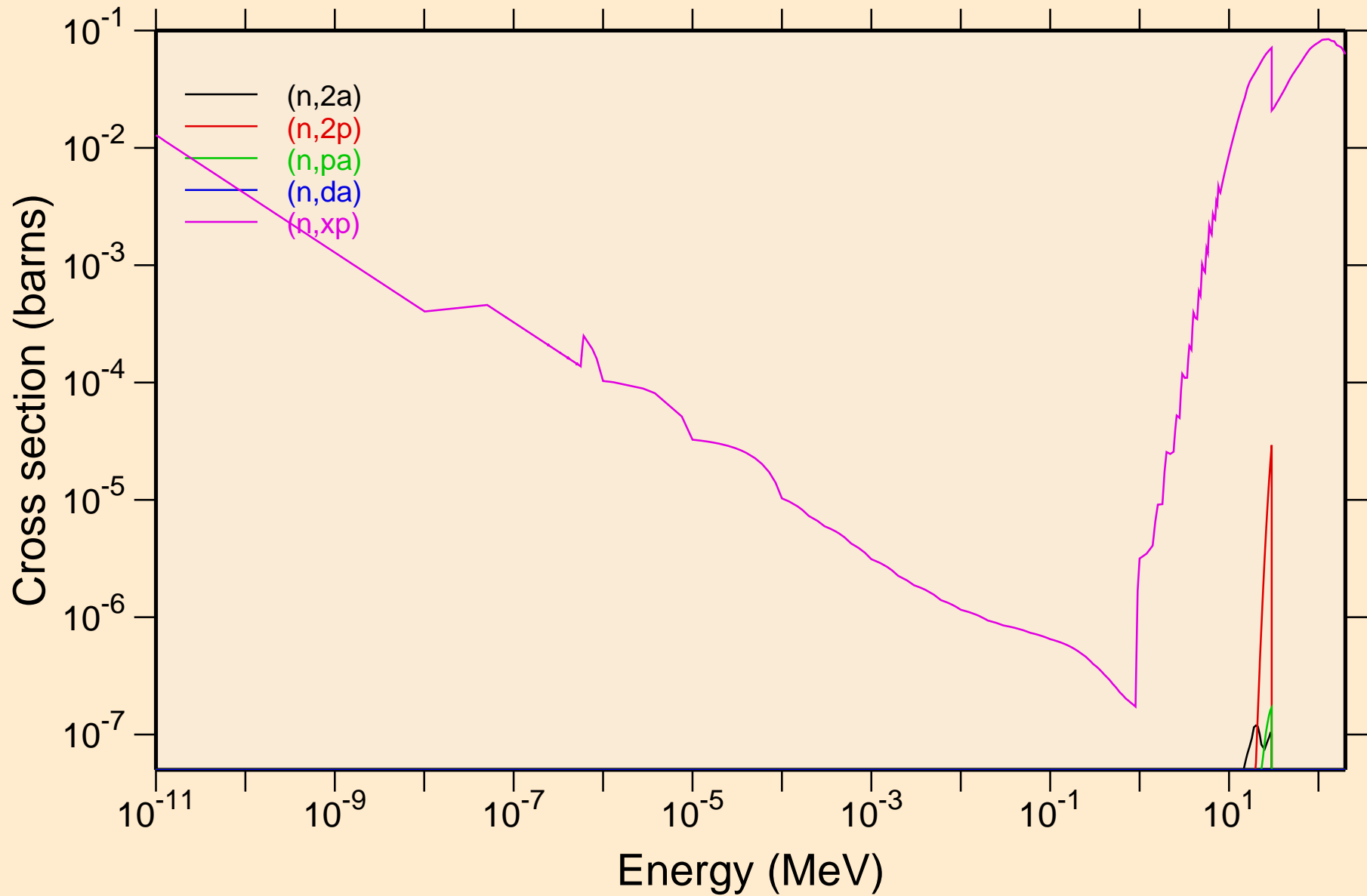


# NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

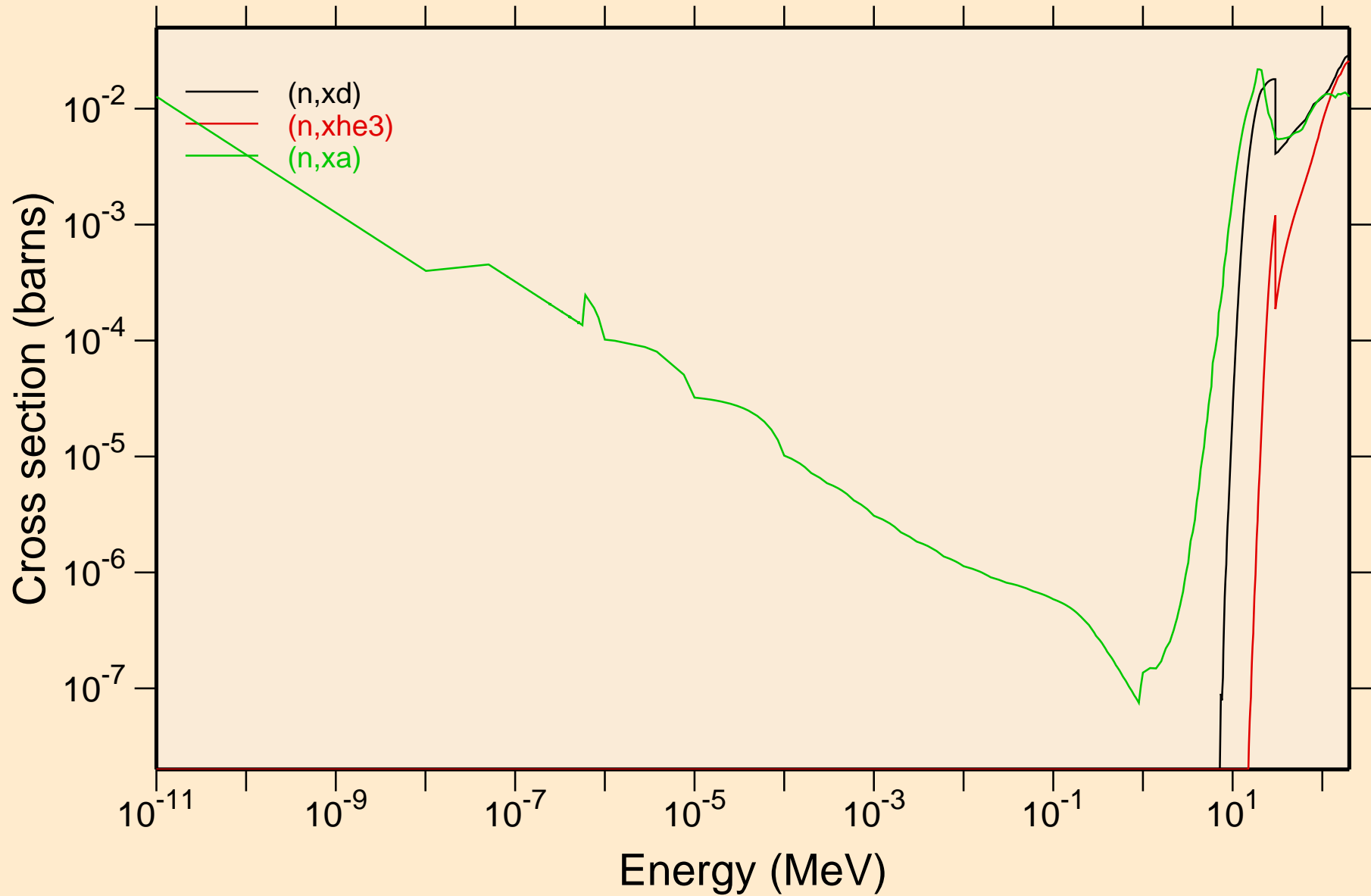
## Non-threshold reactions



NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

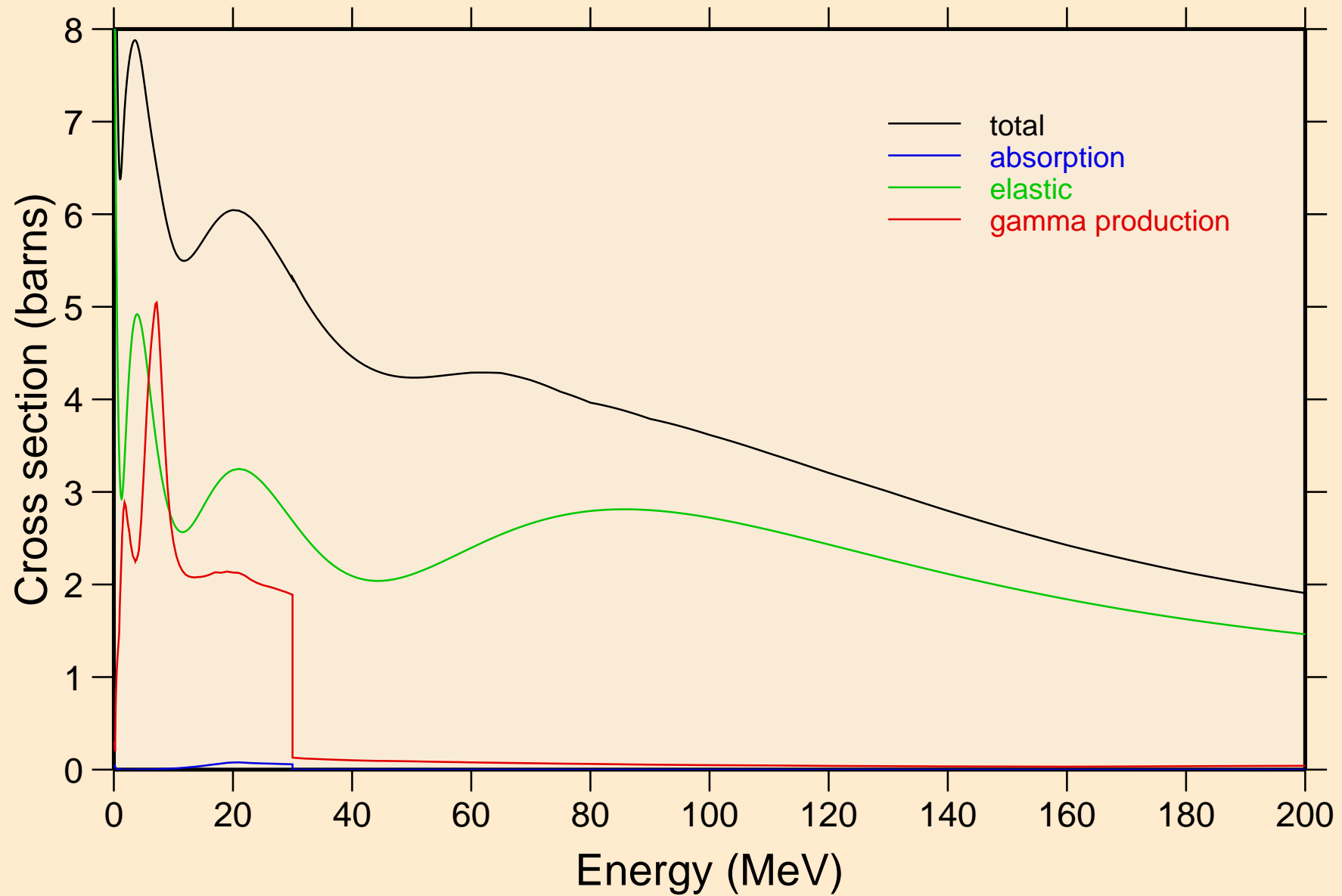


NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



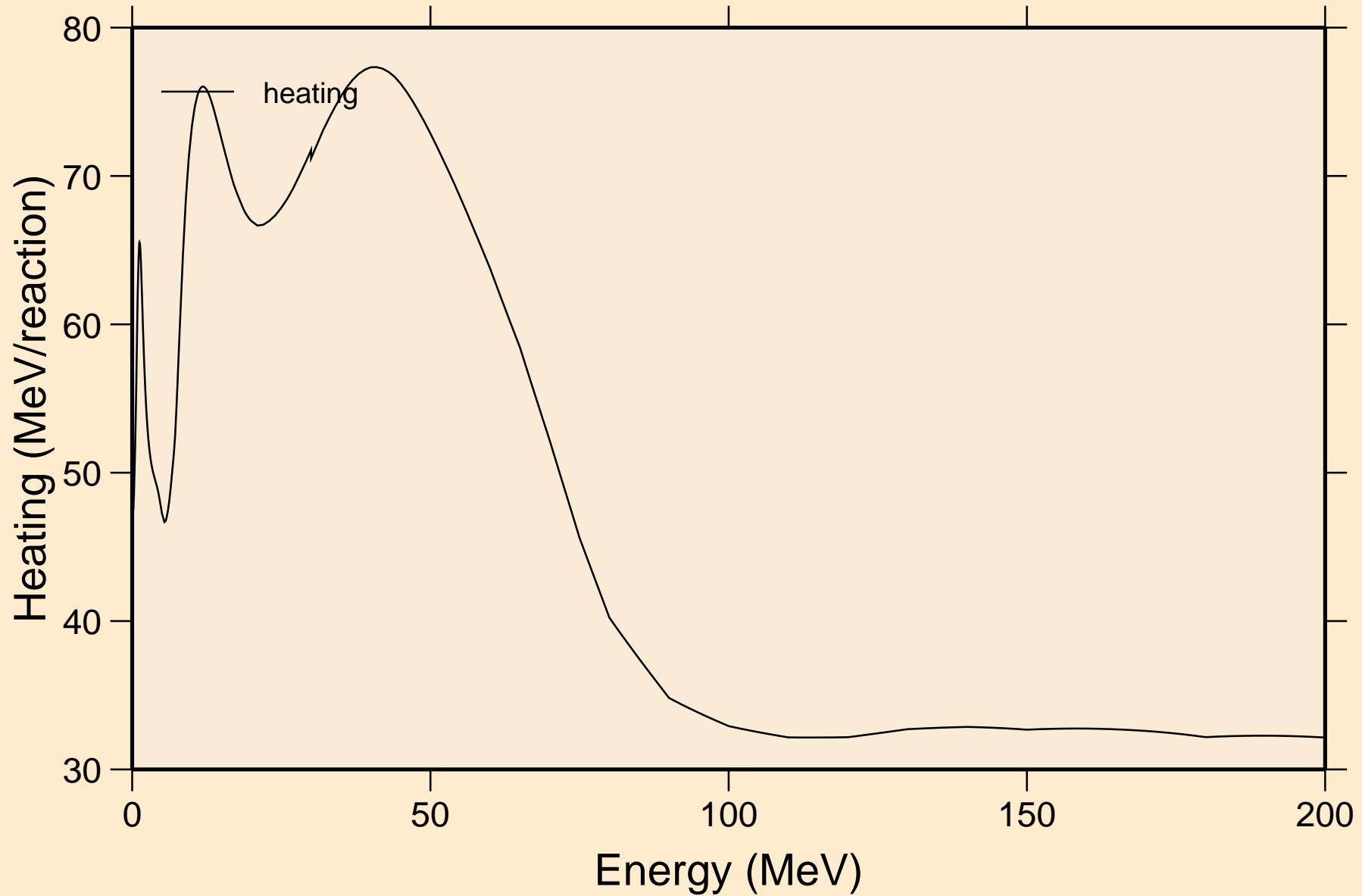
# NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections

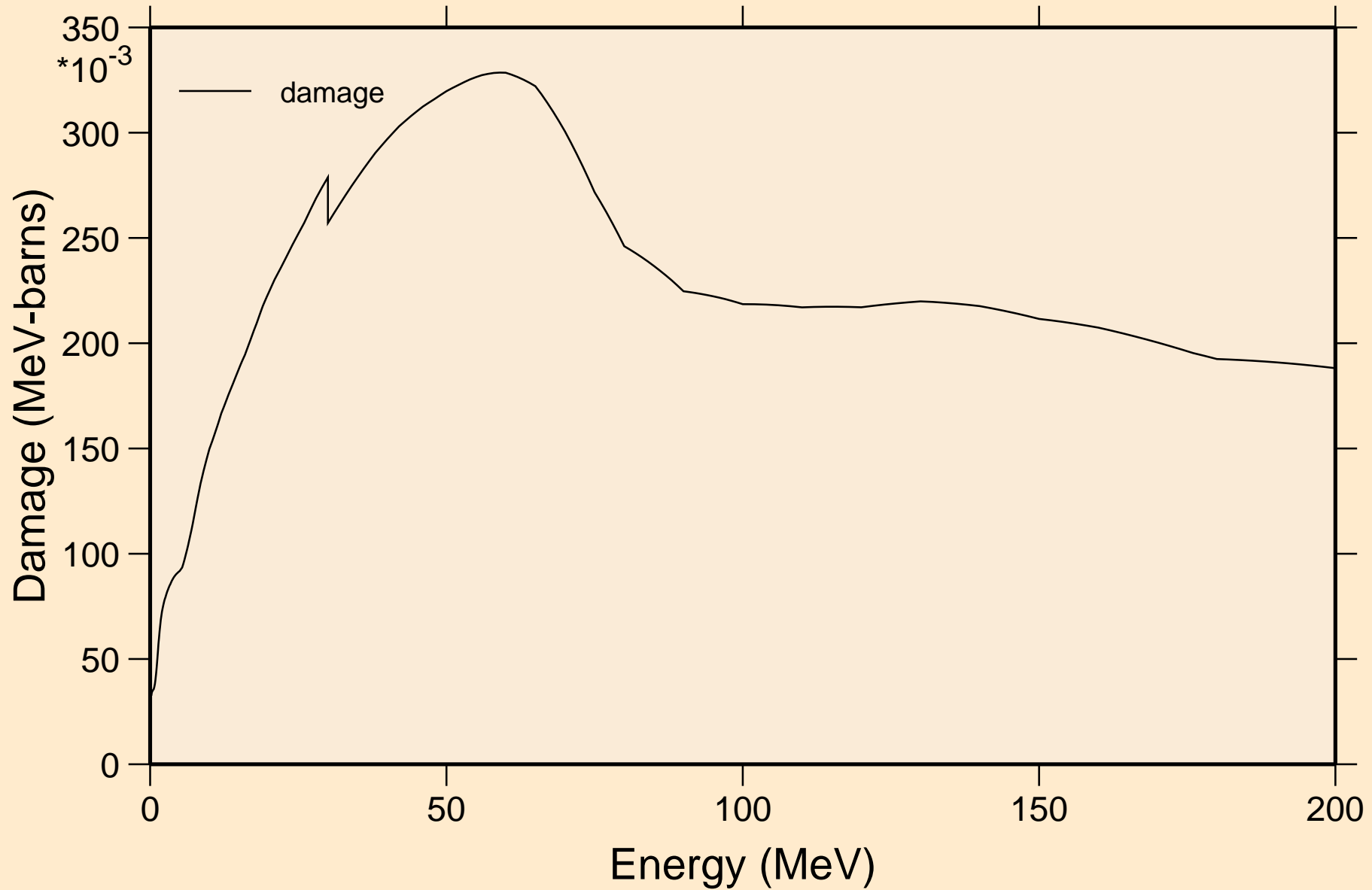


# NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



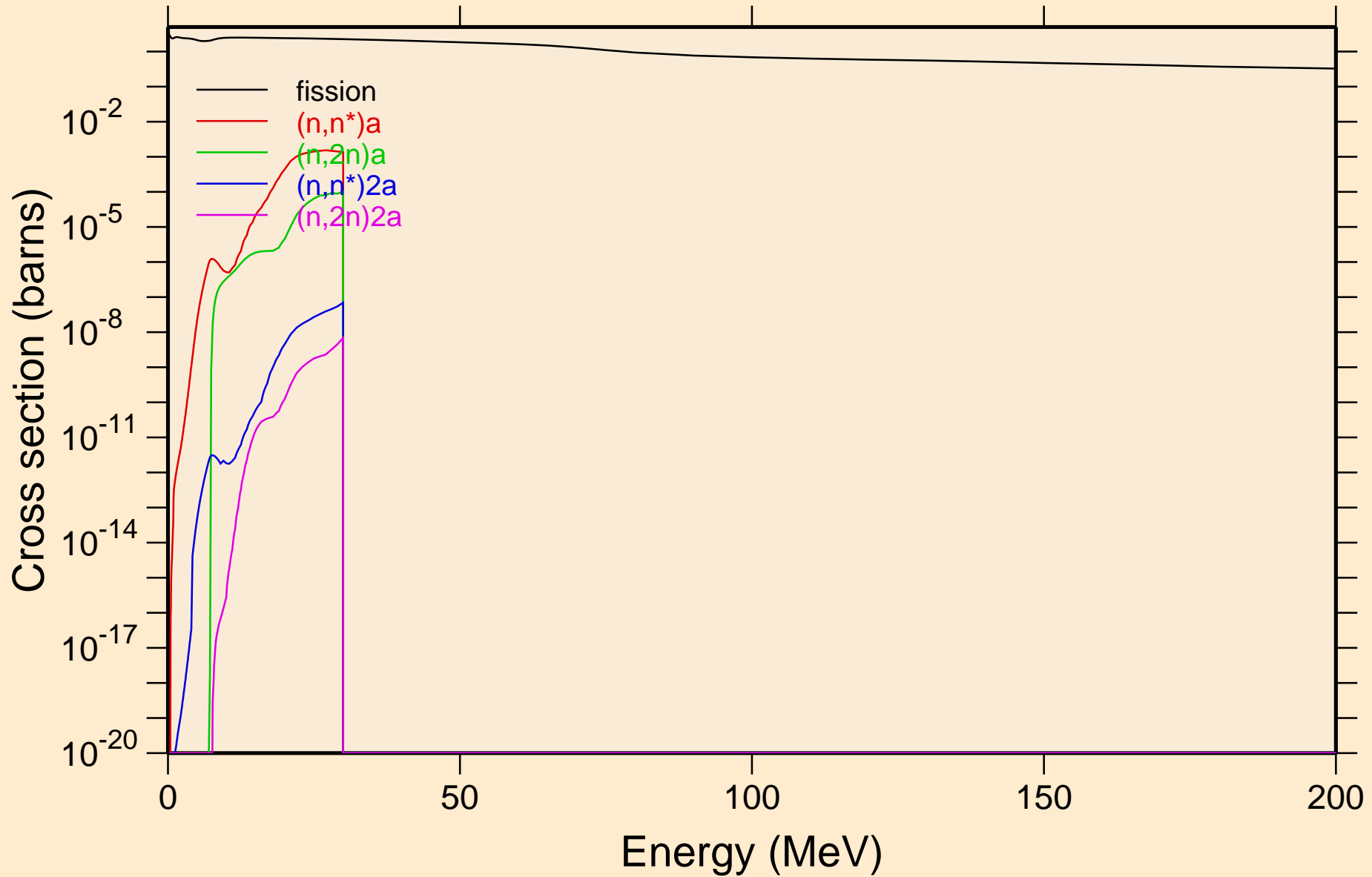
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage





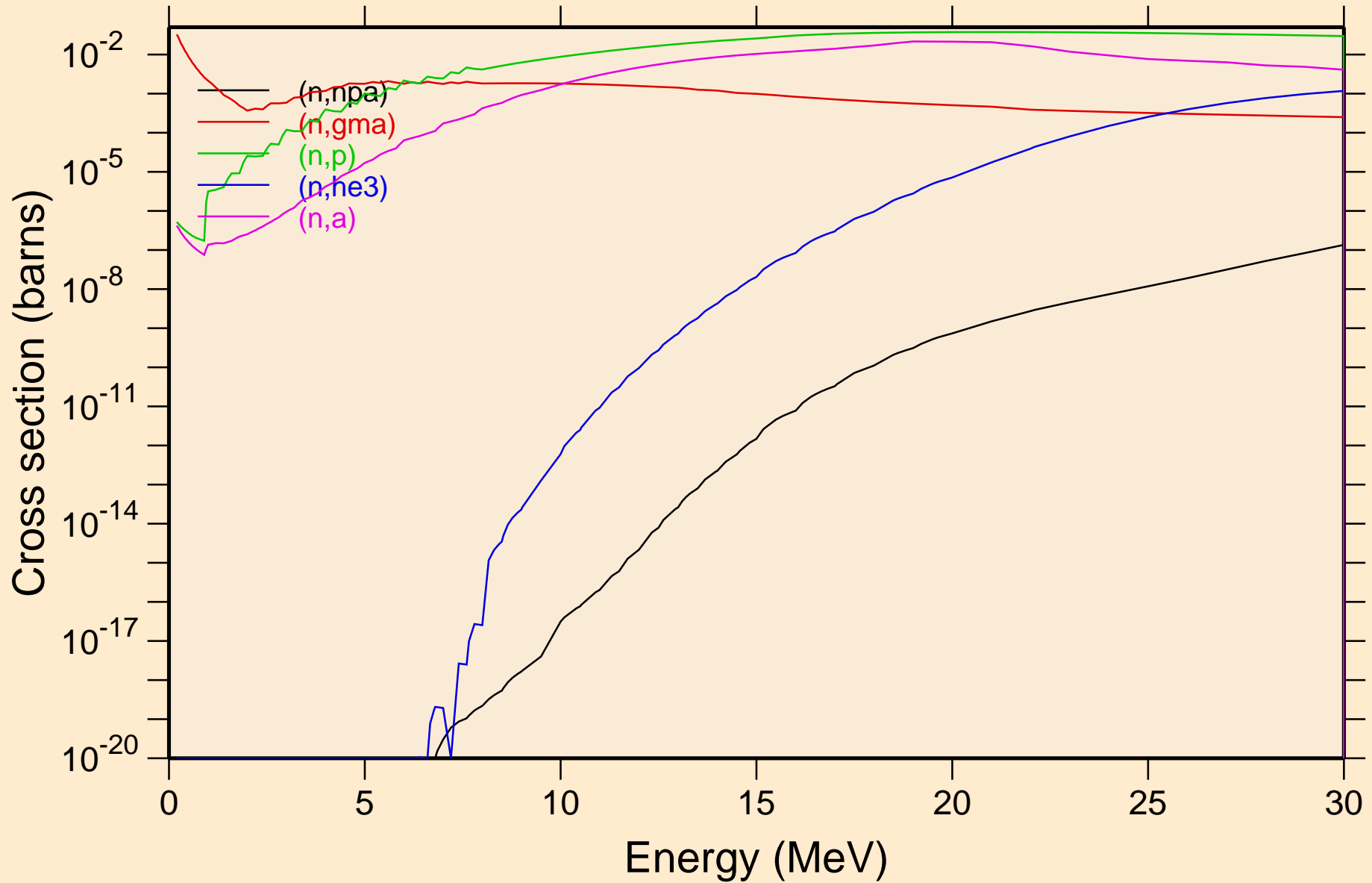
# NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



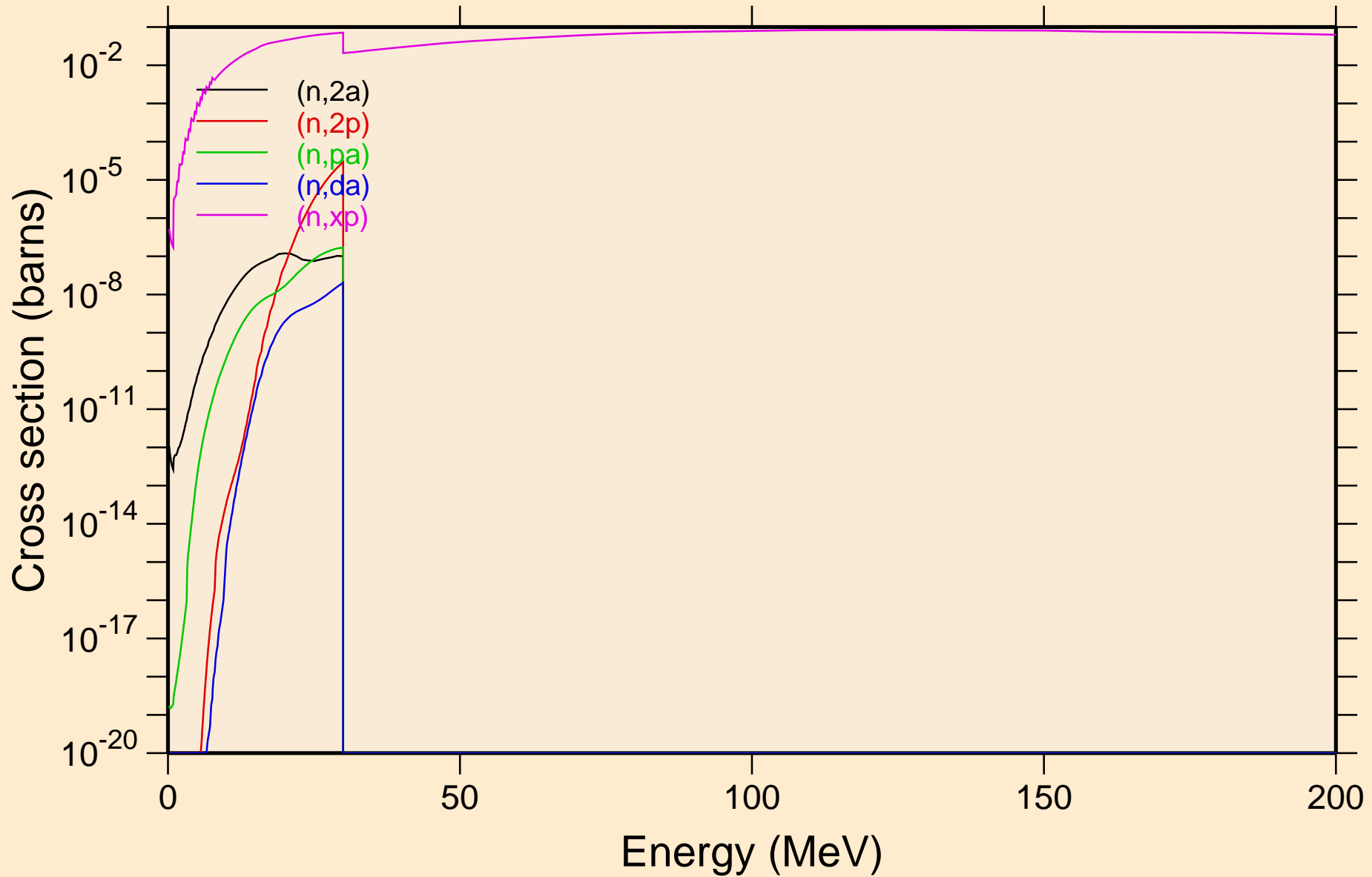
# NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

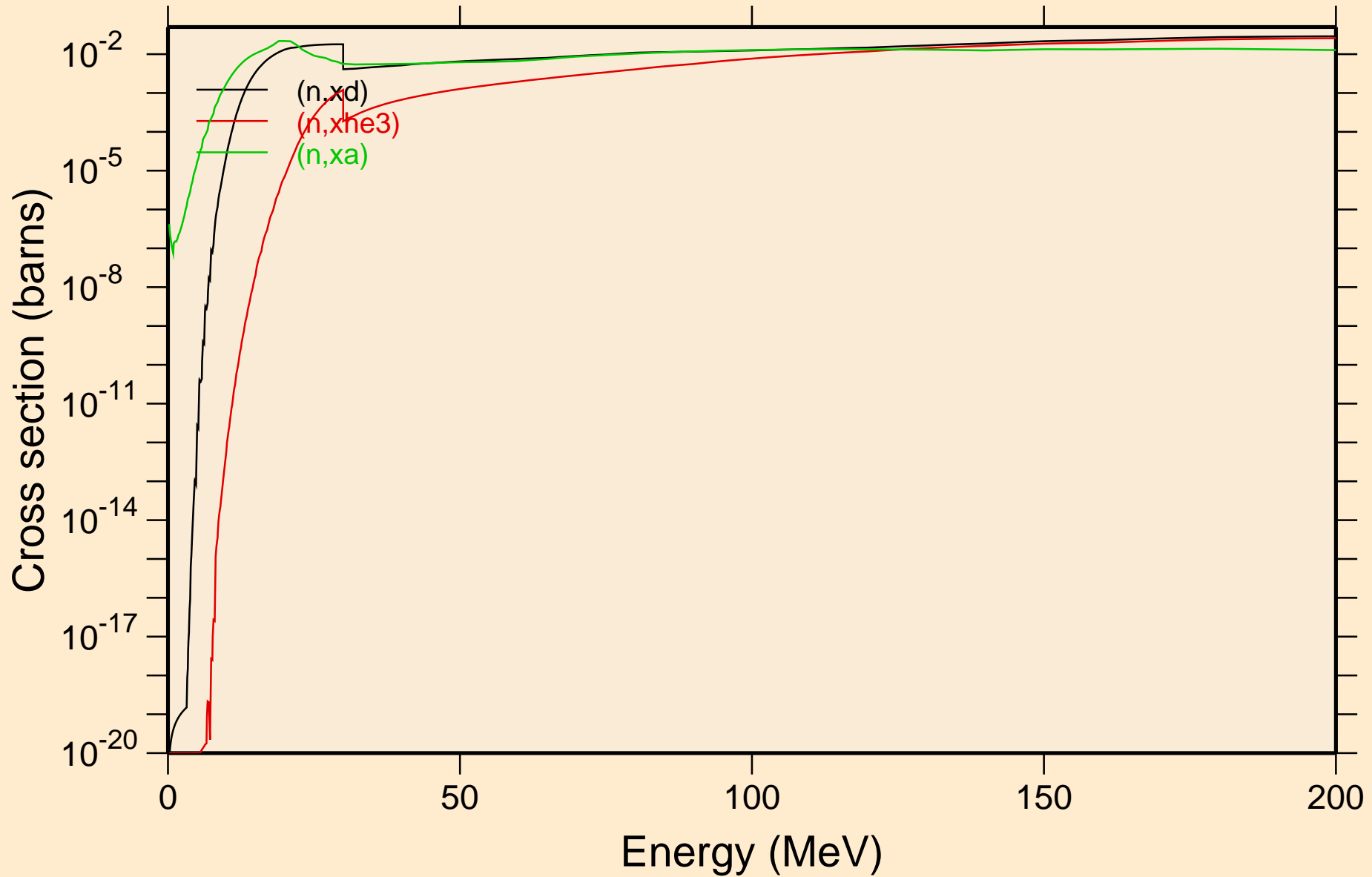


# NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

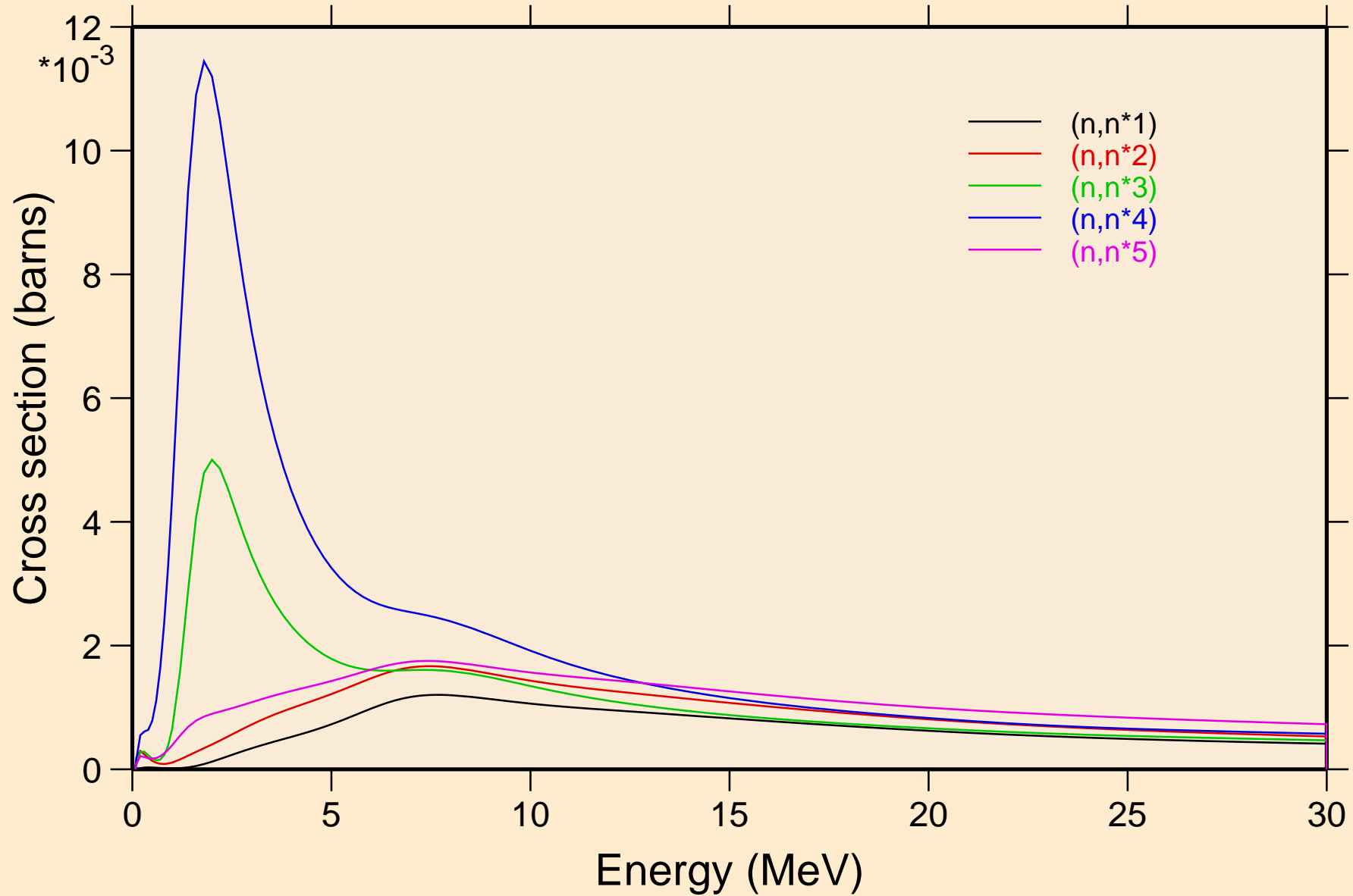
## Non-threshold reactions



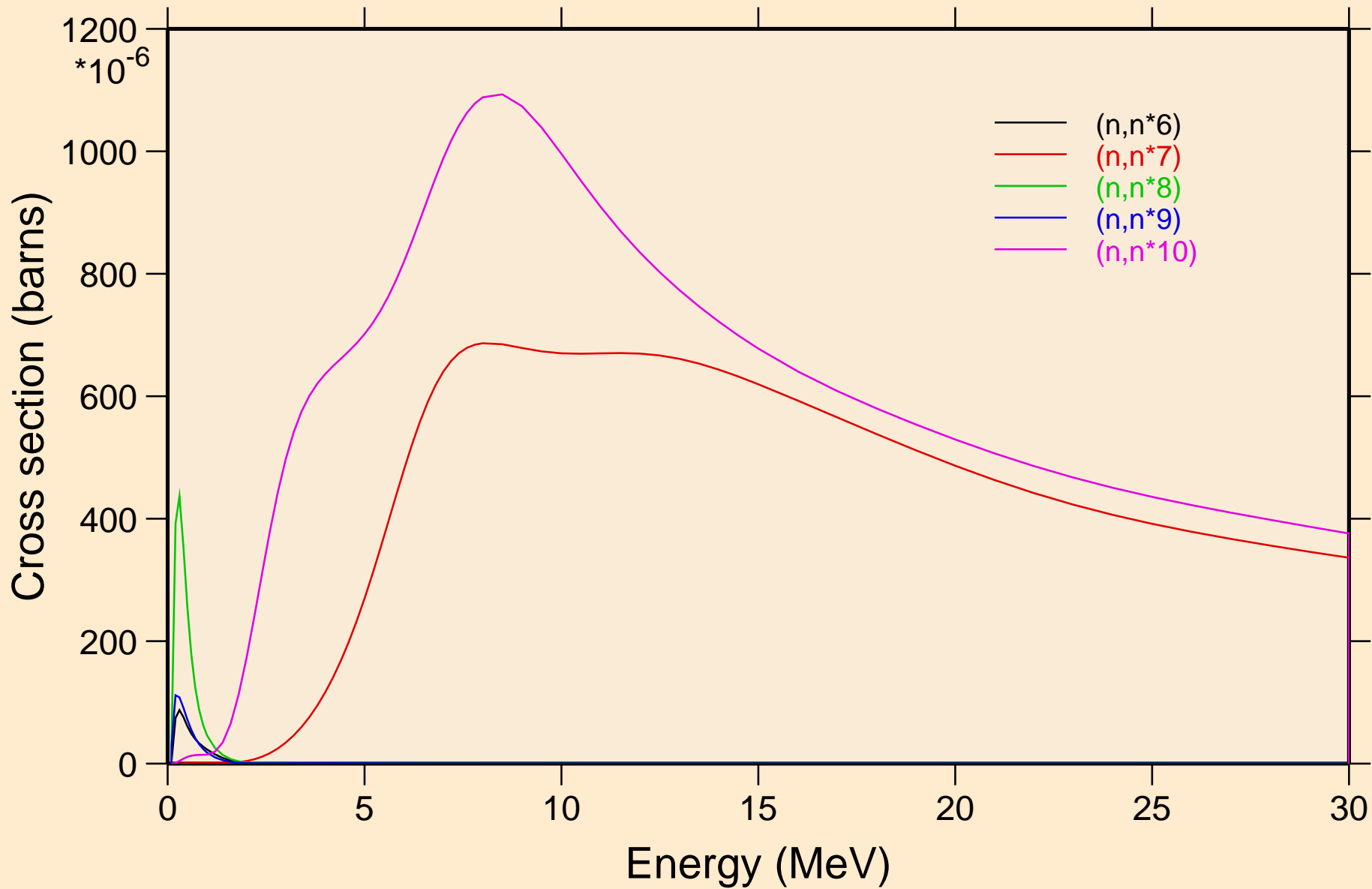
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



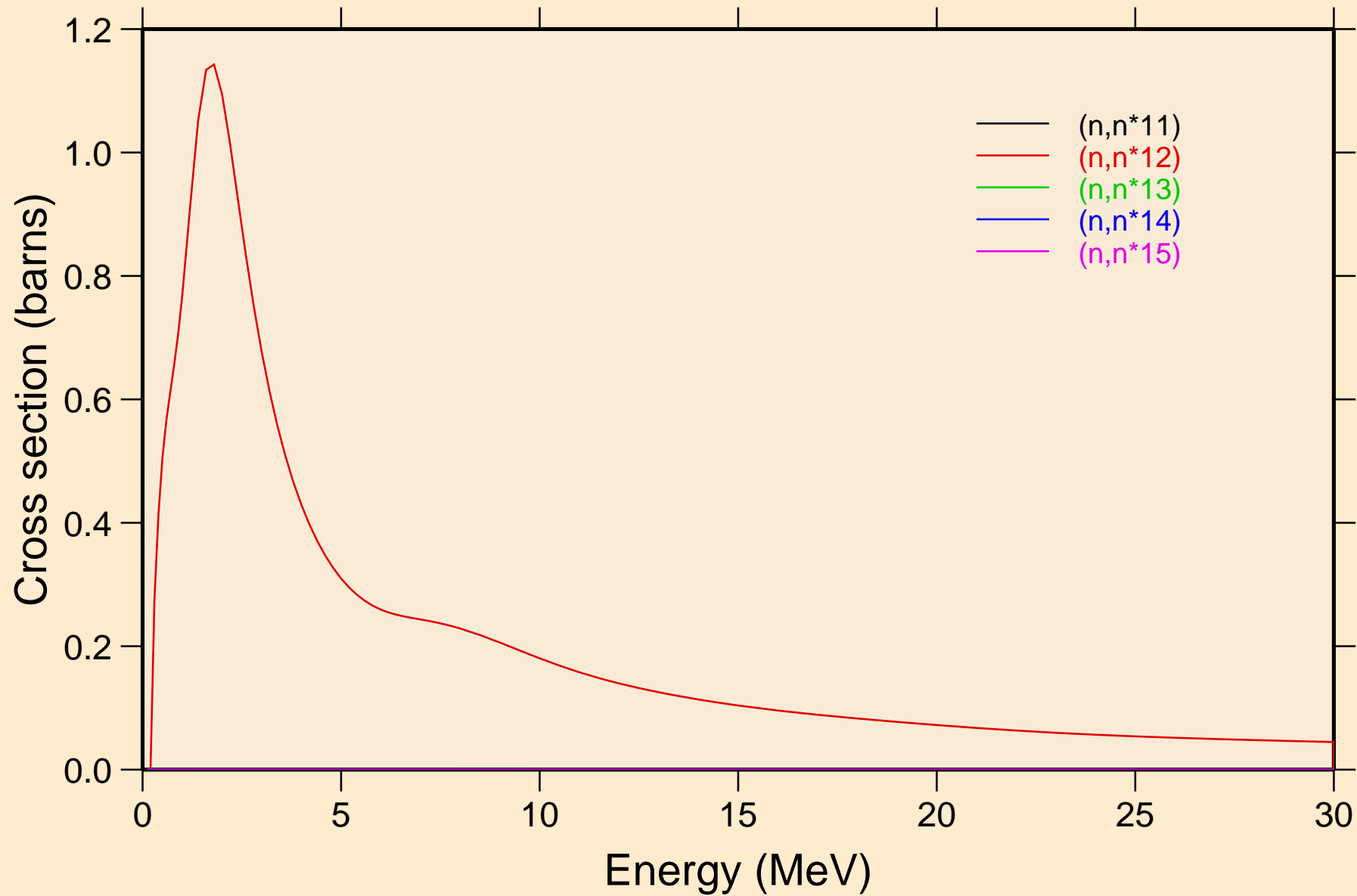
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



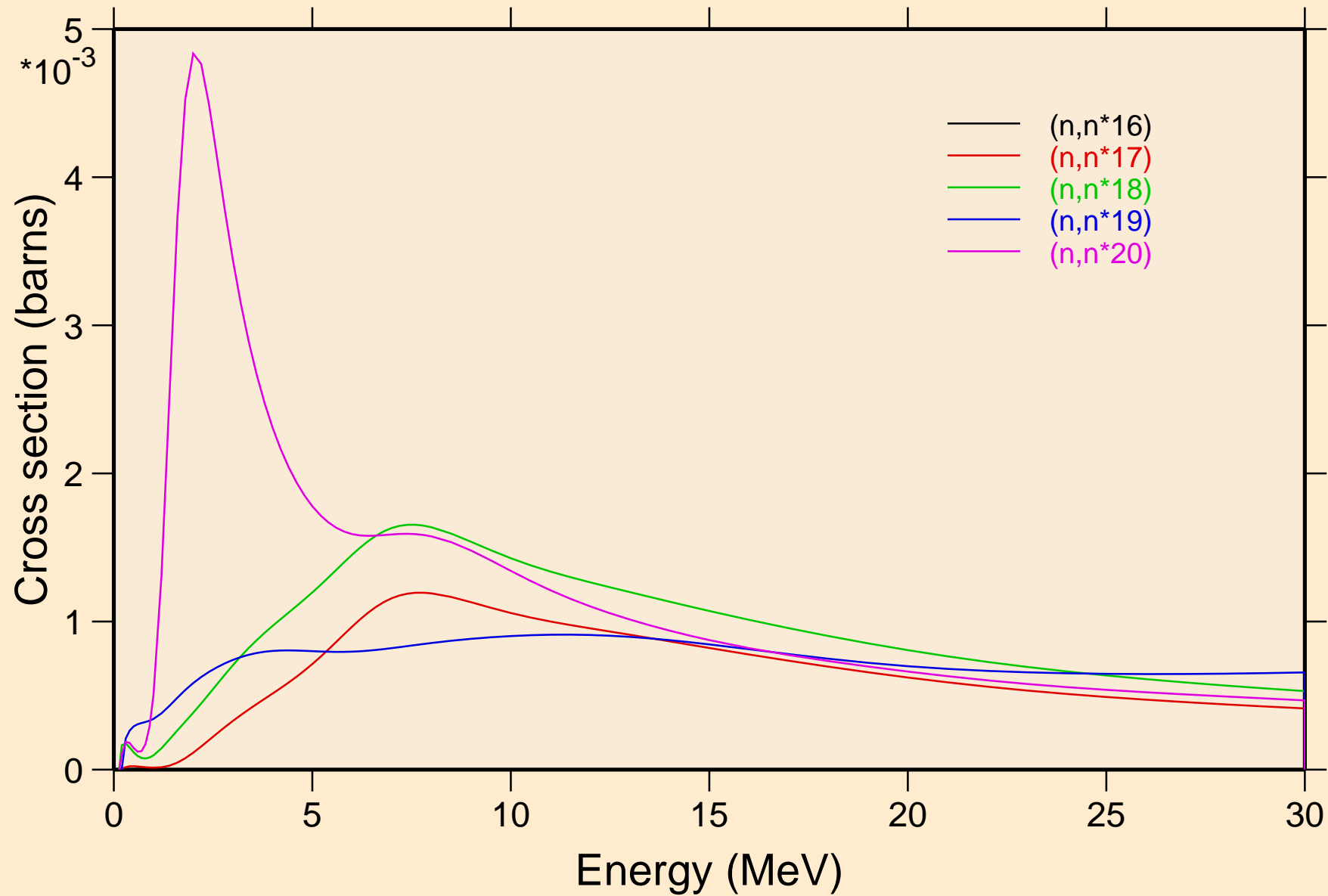
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

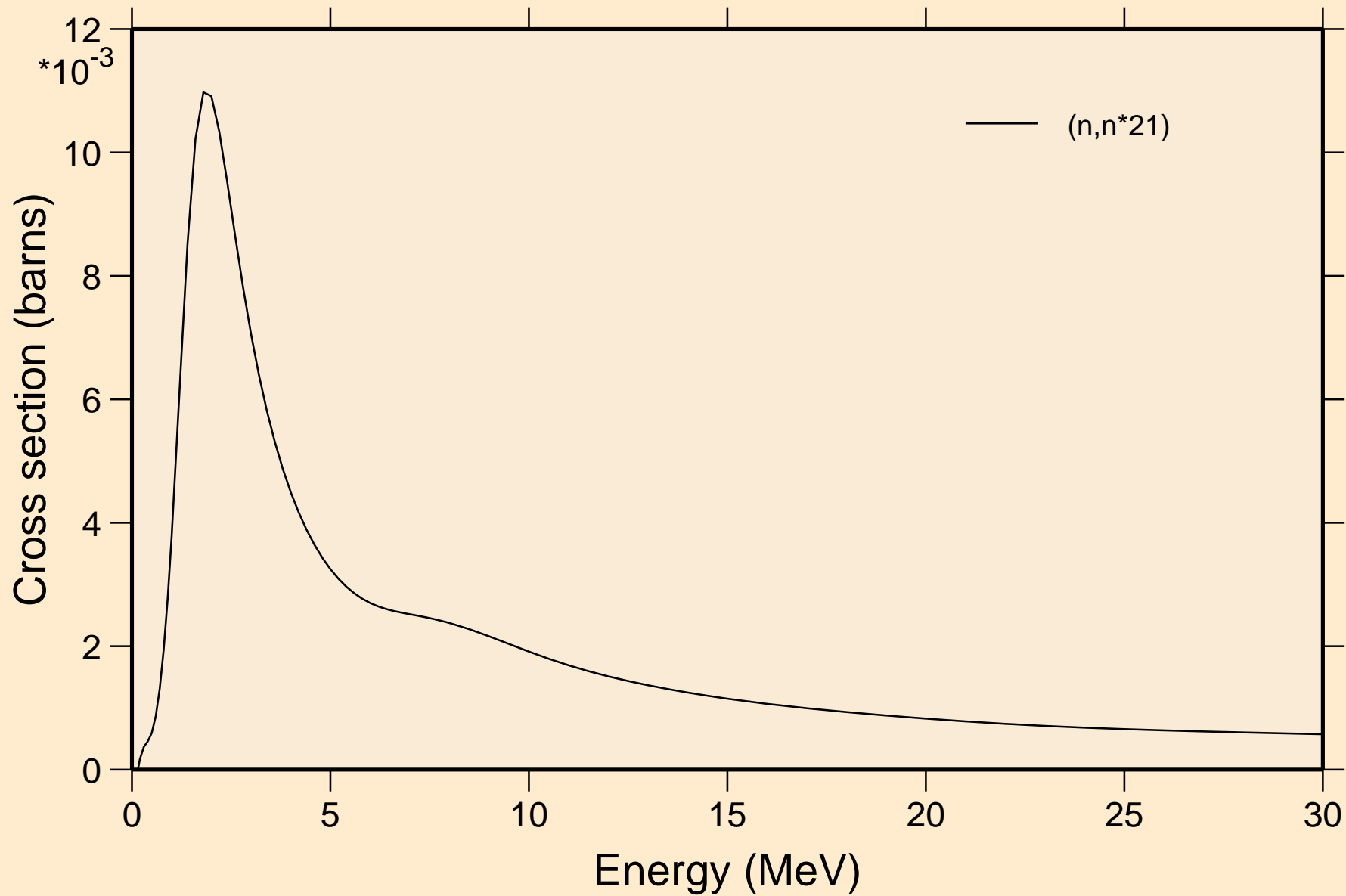


NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



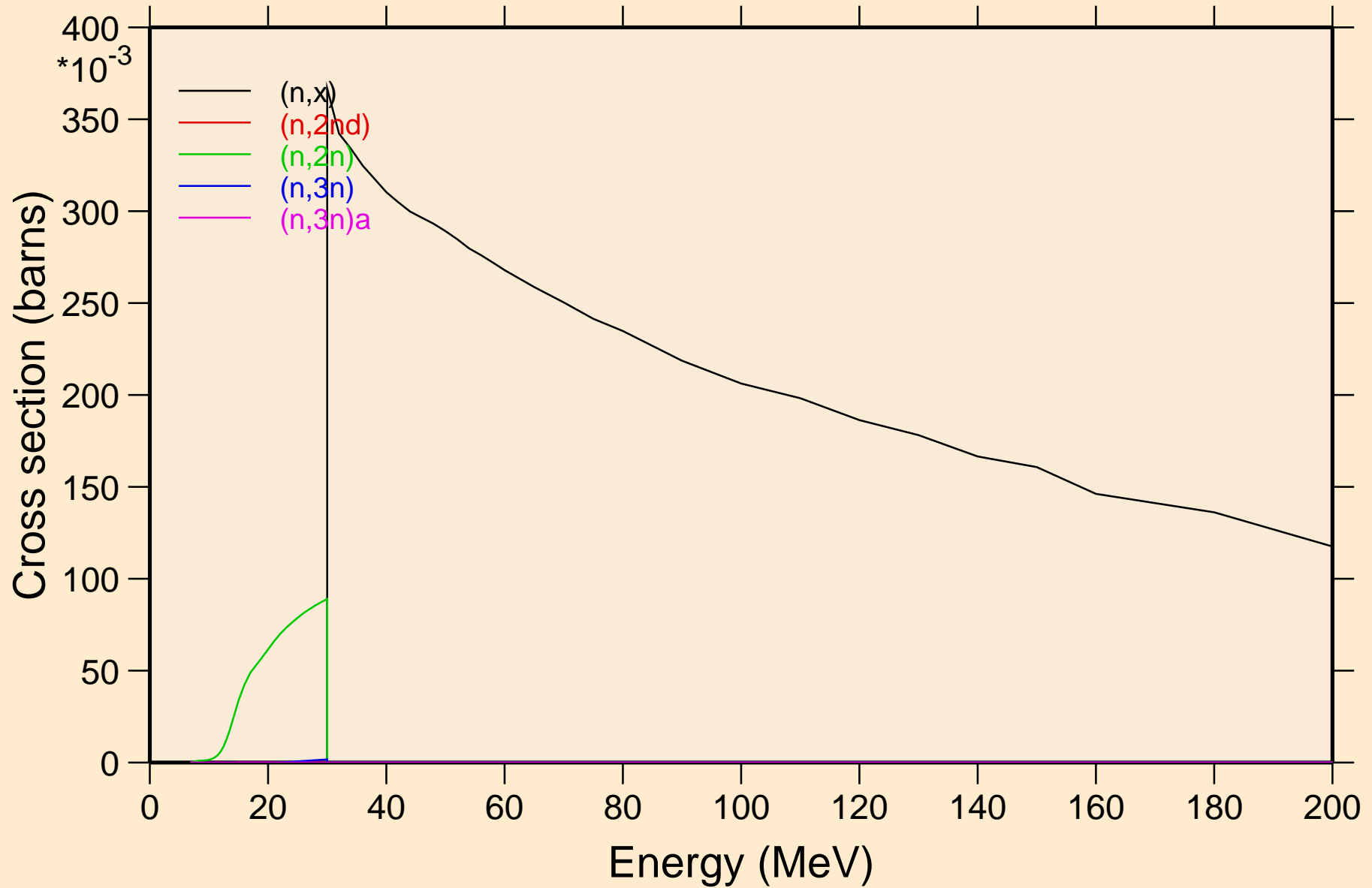


NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

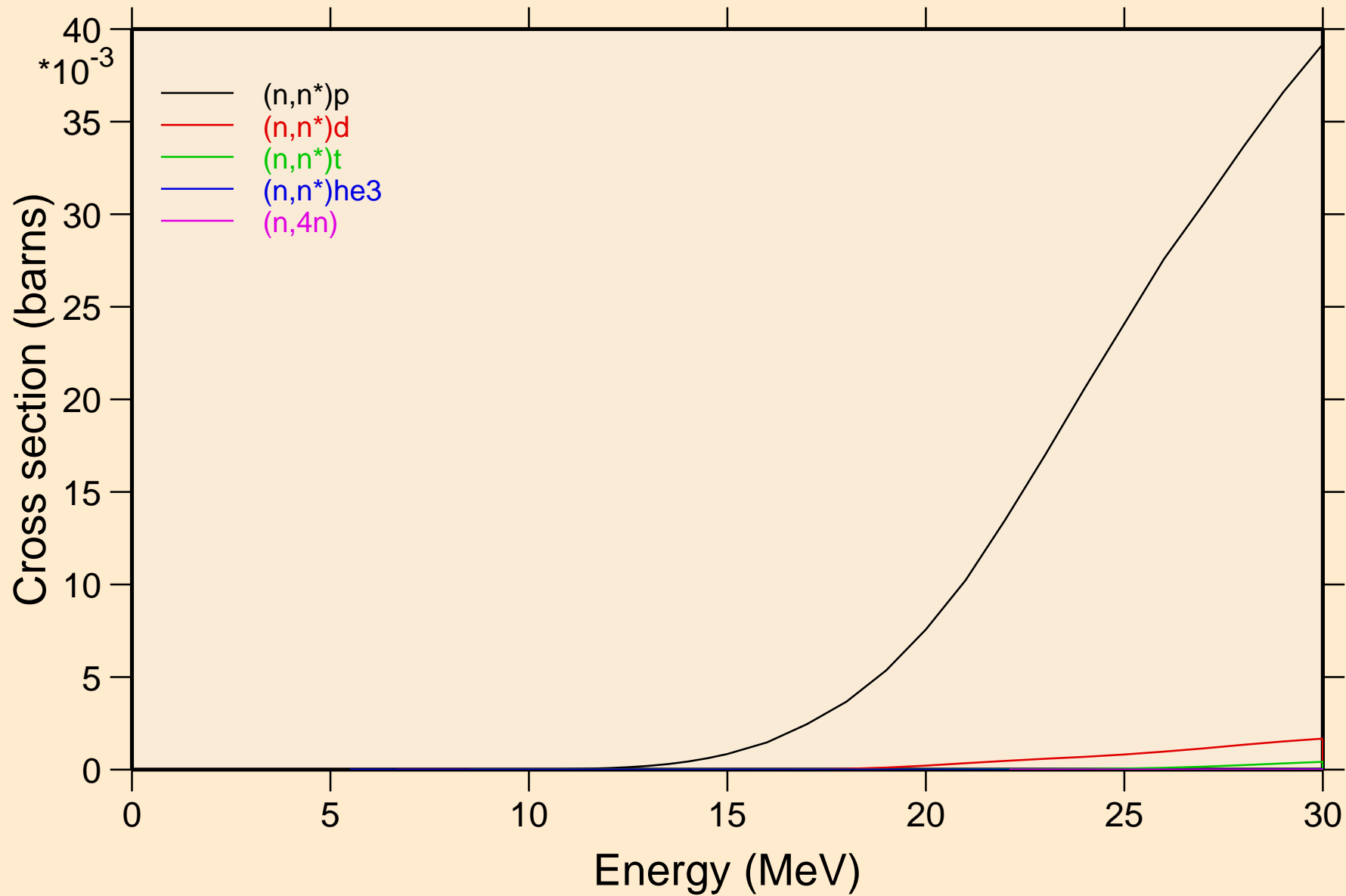


# NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

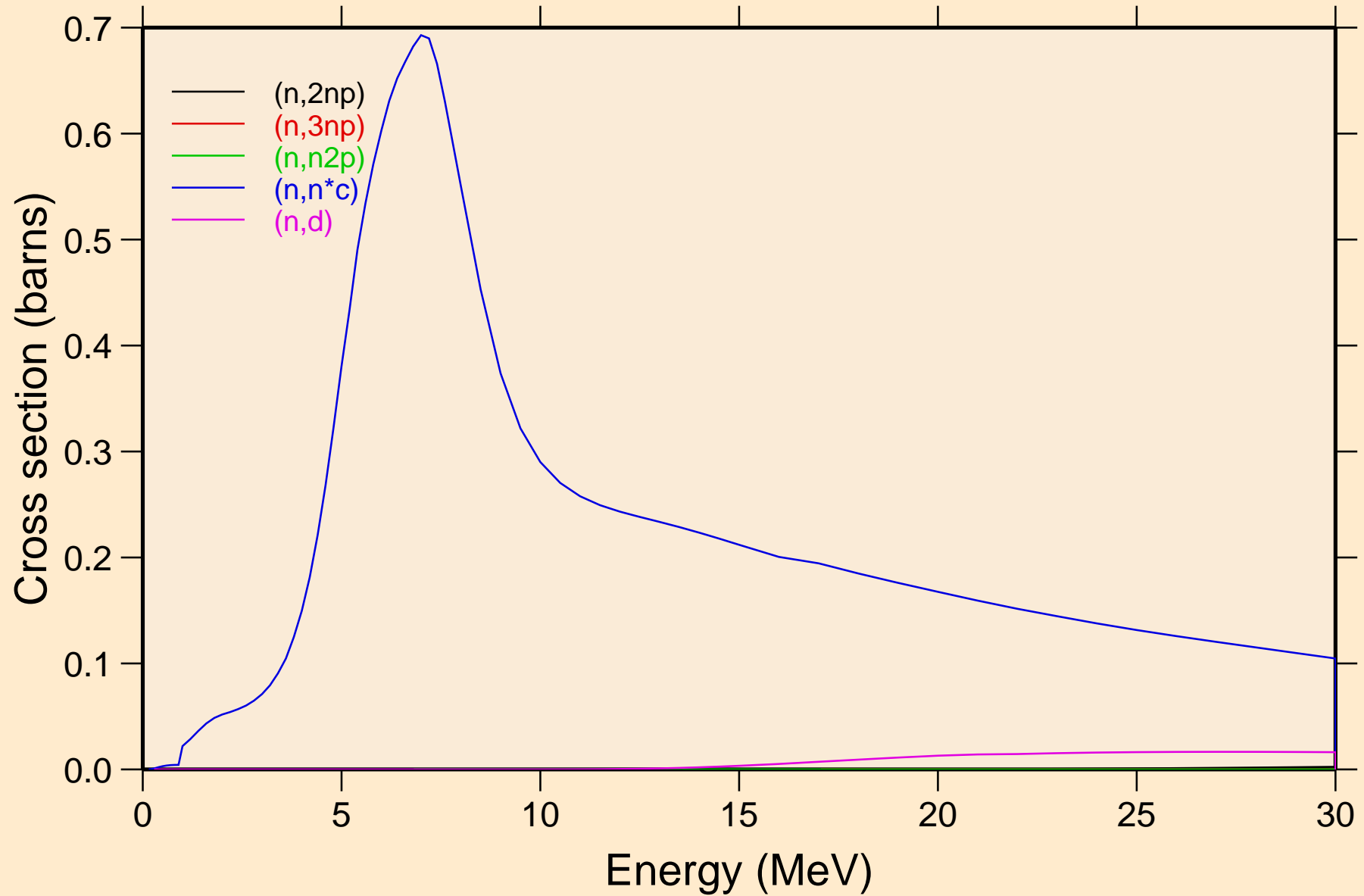
## Threshold reactions



NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

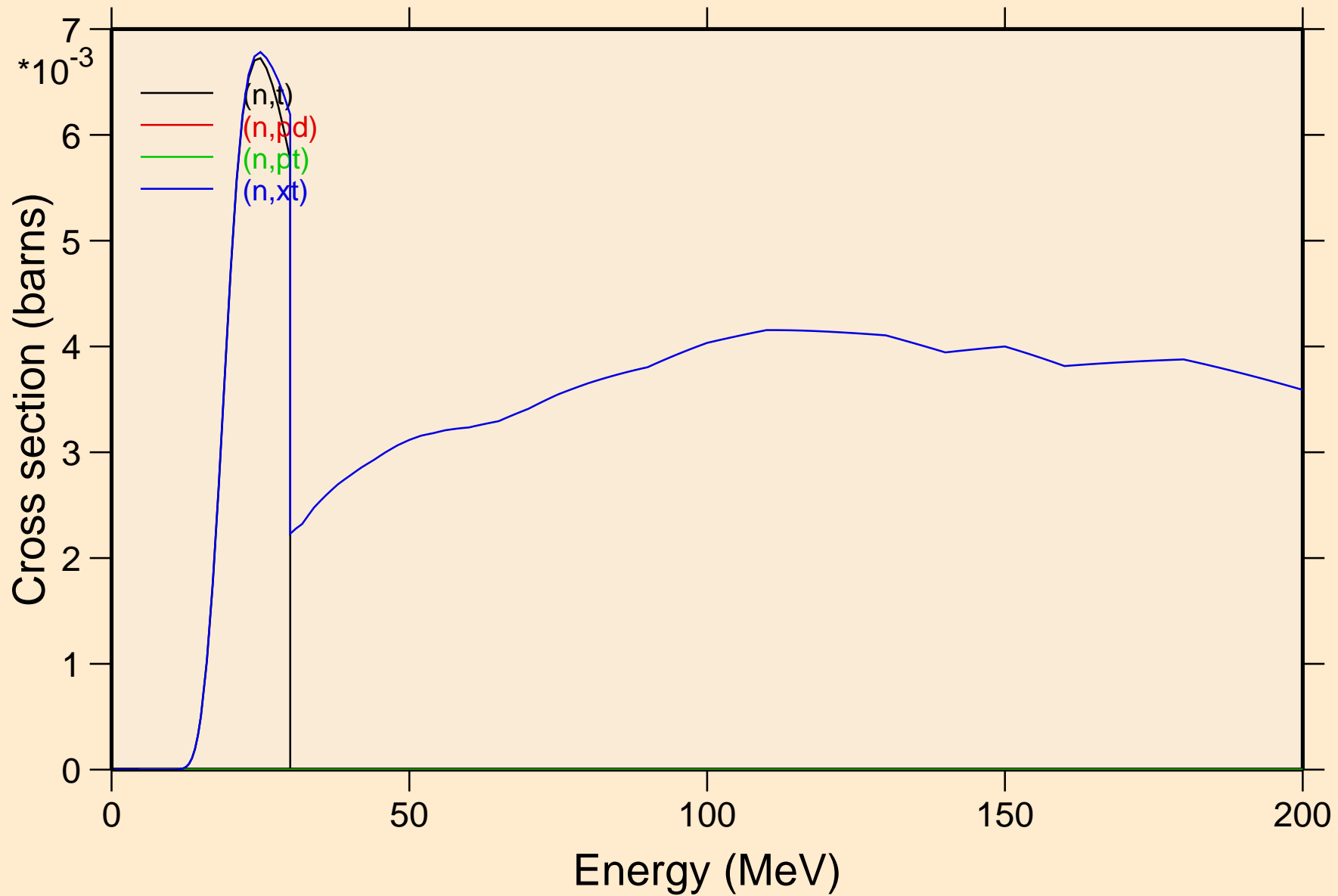


NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

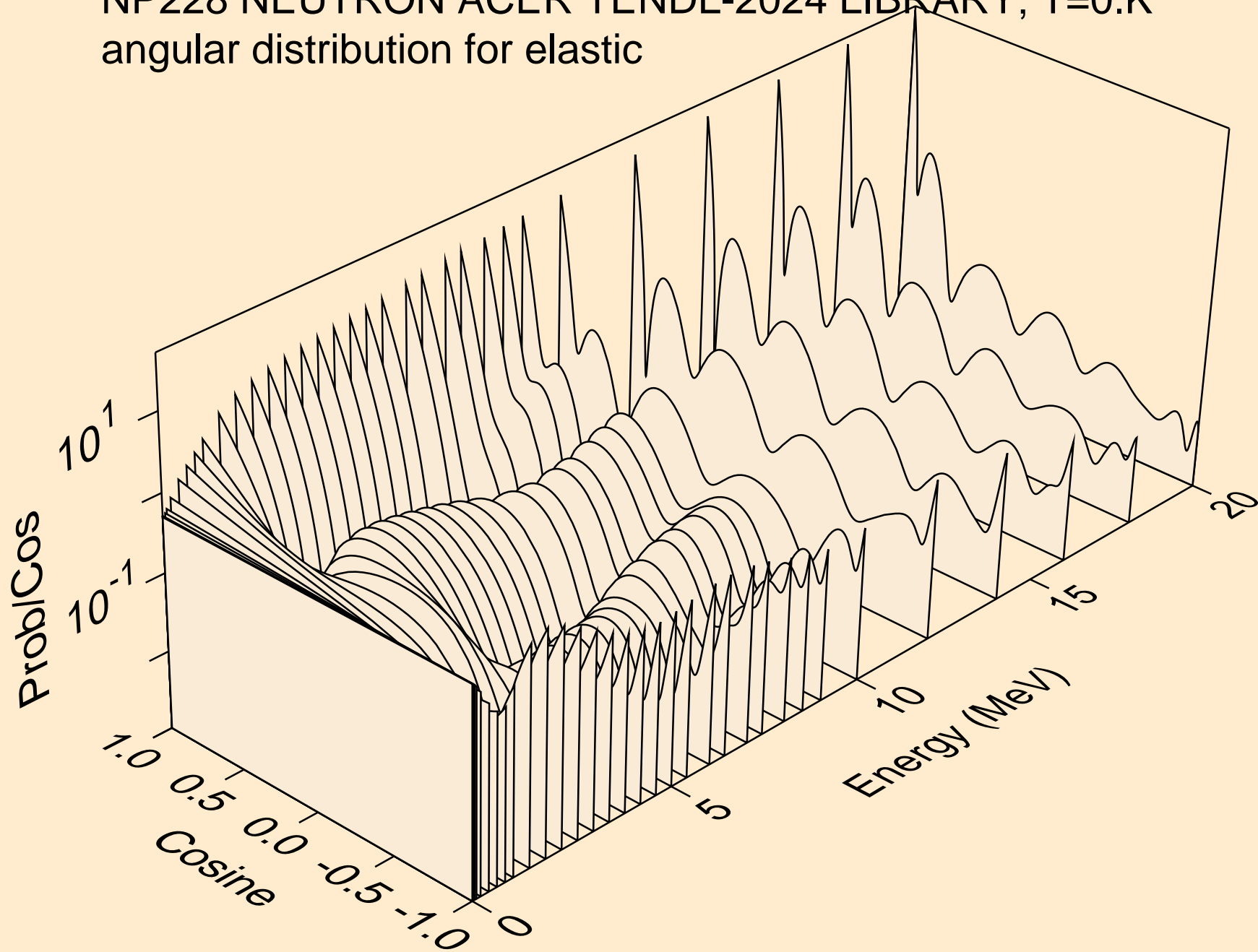


# NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

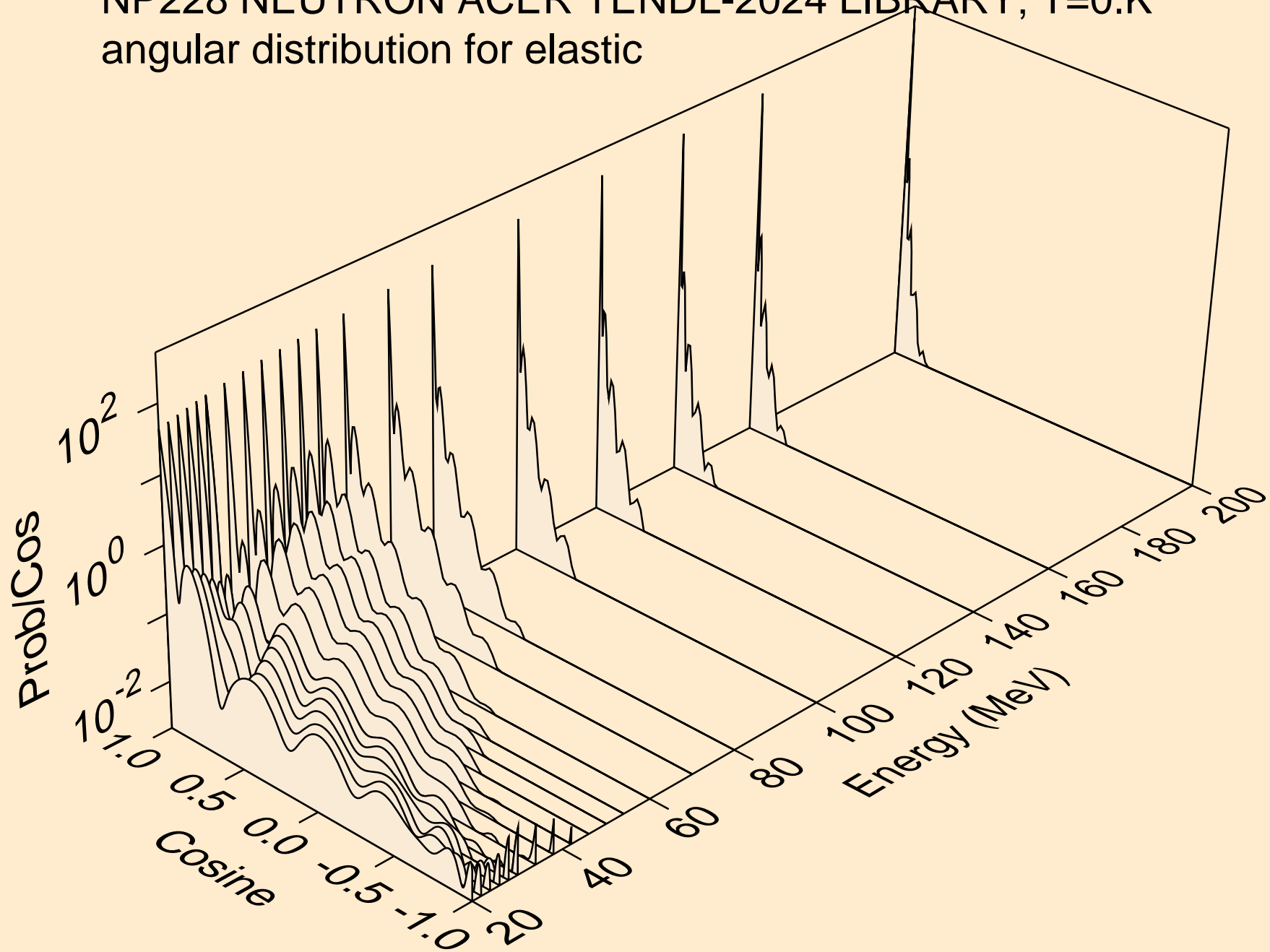
## Threshold reactions



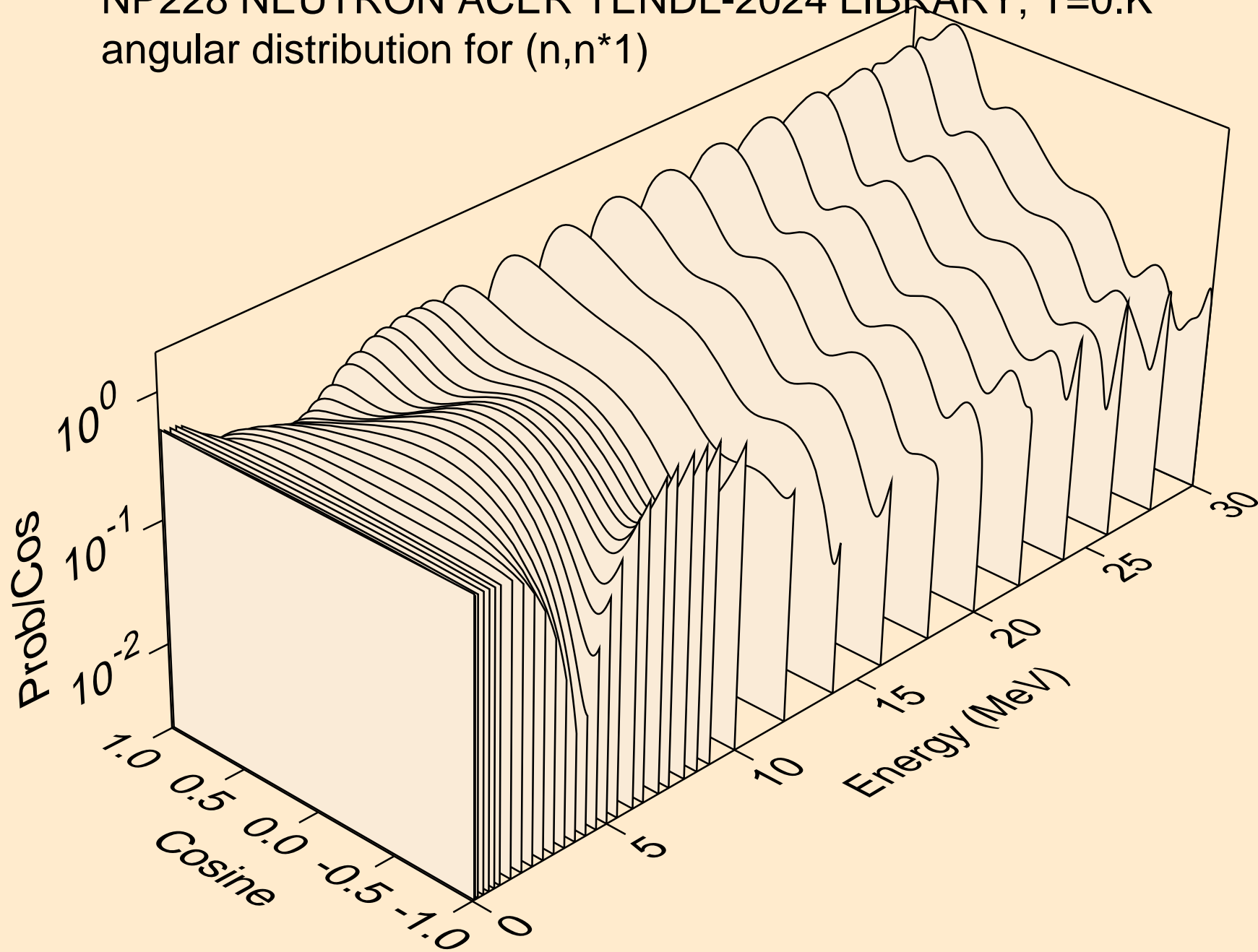
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

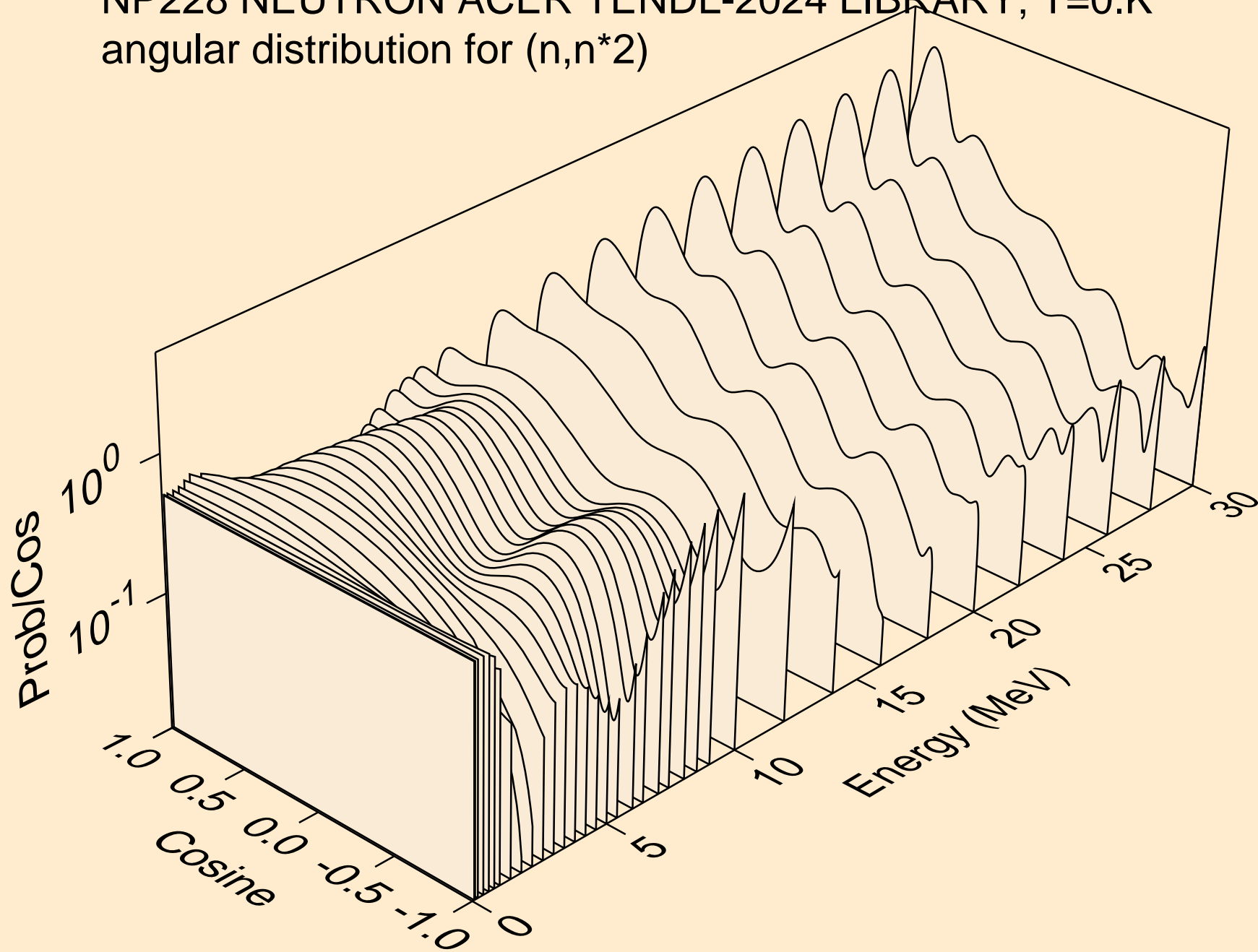


NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

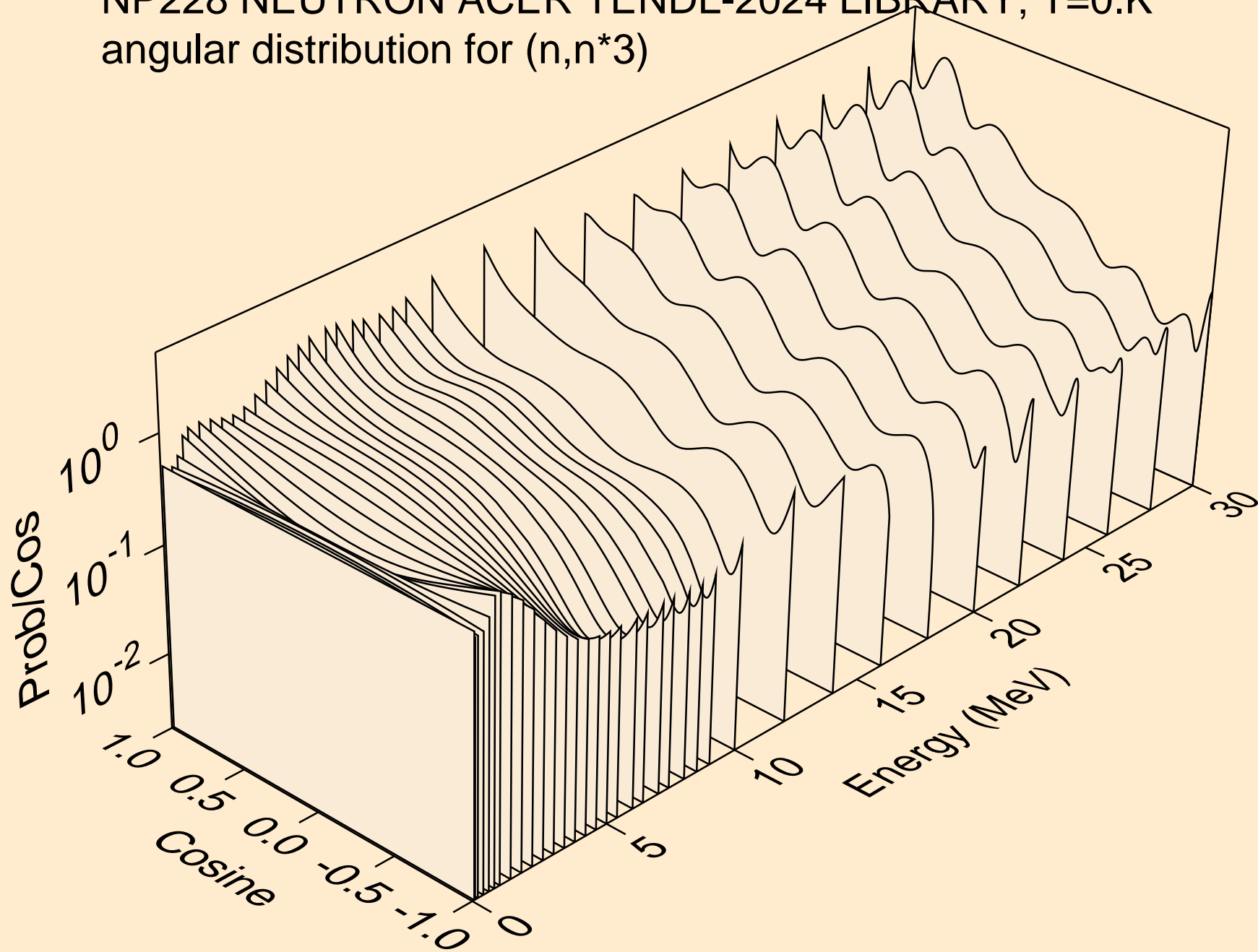




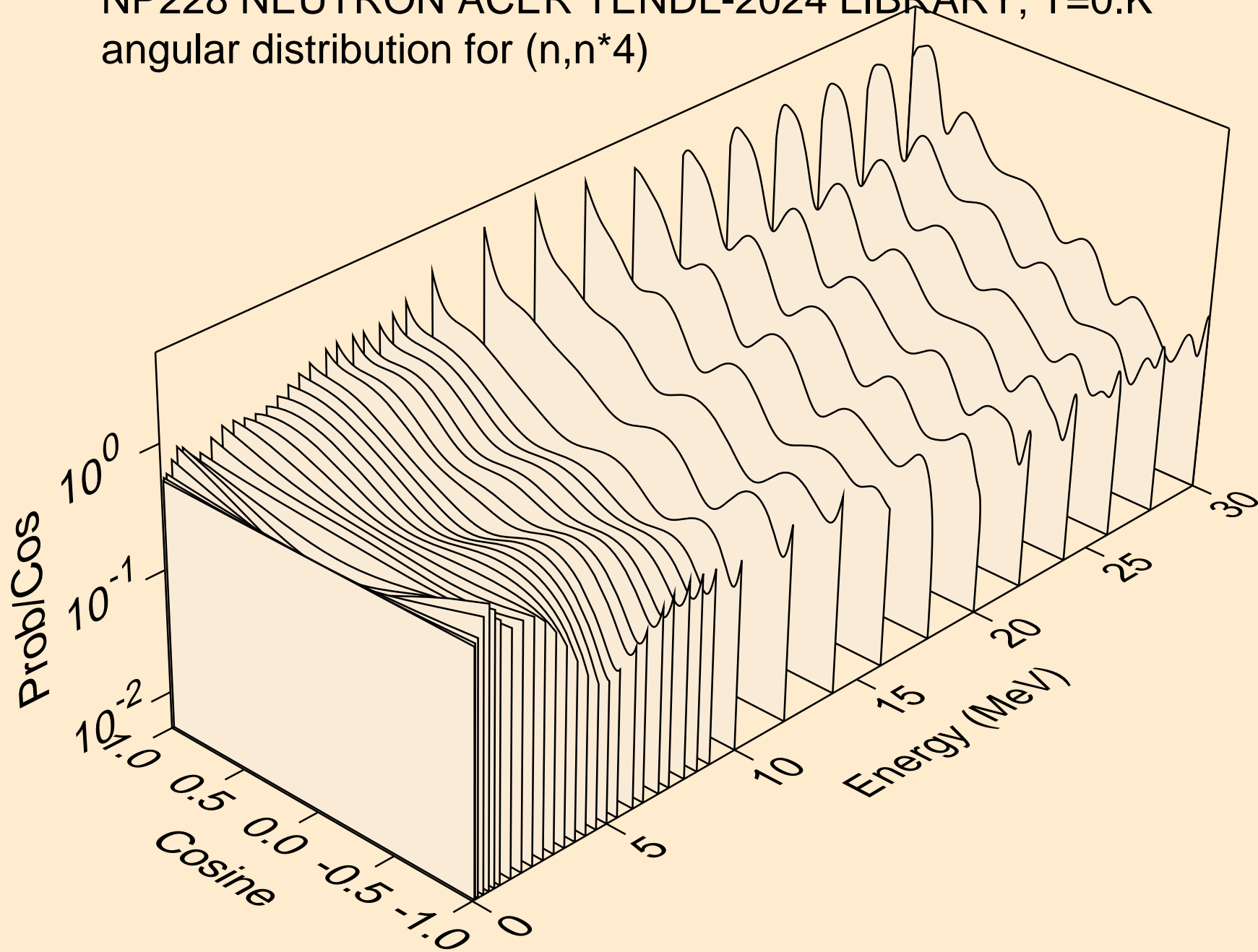
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



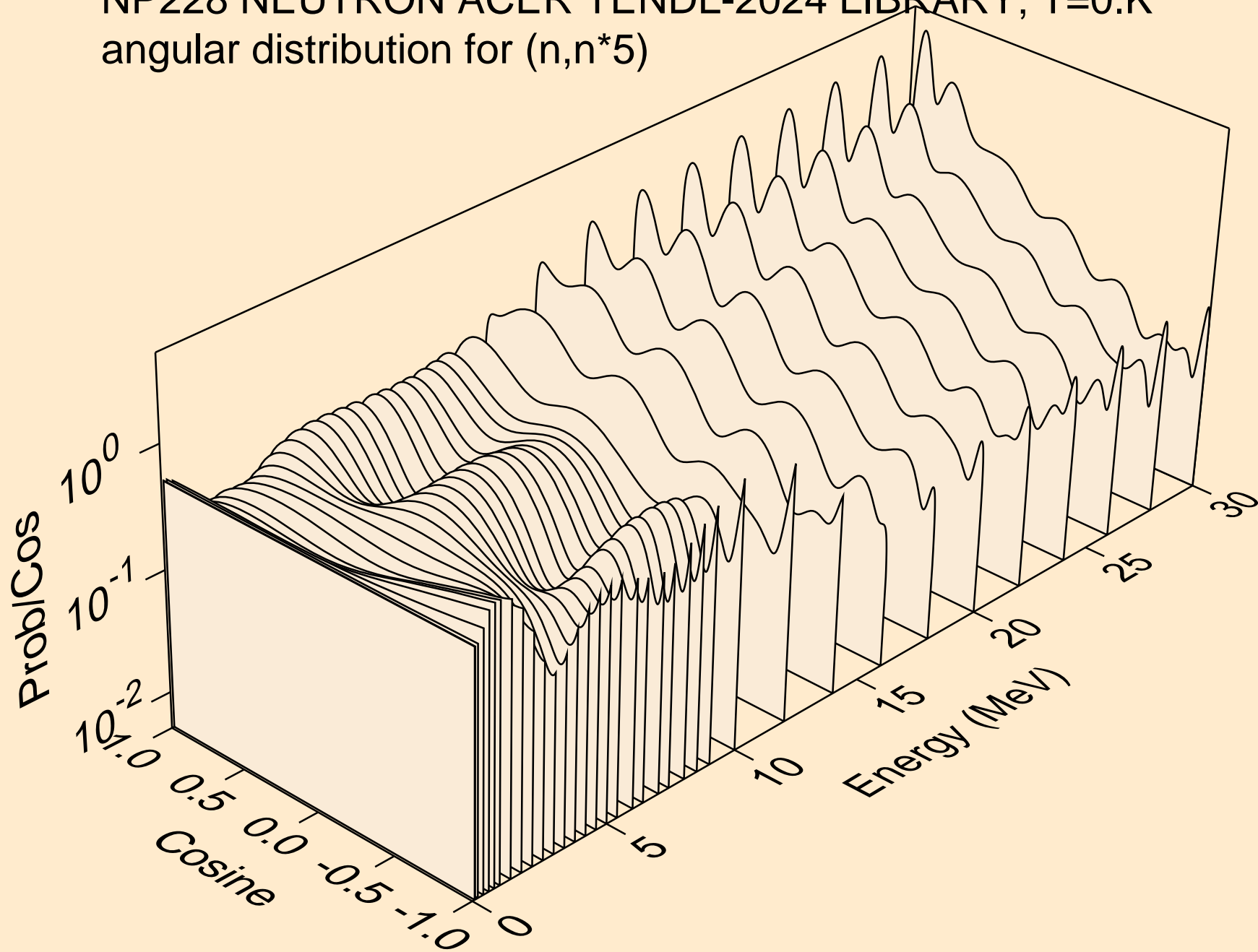
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



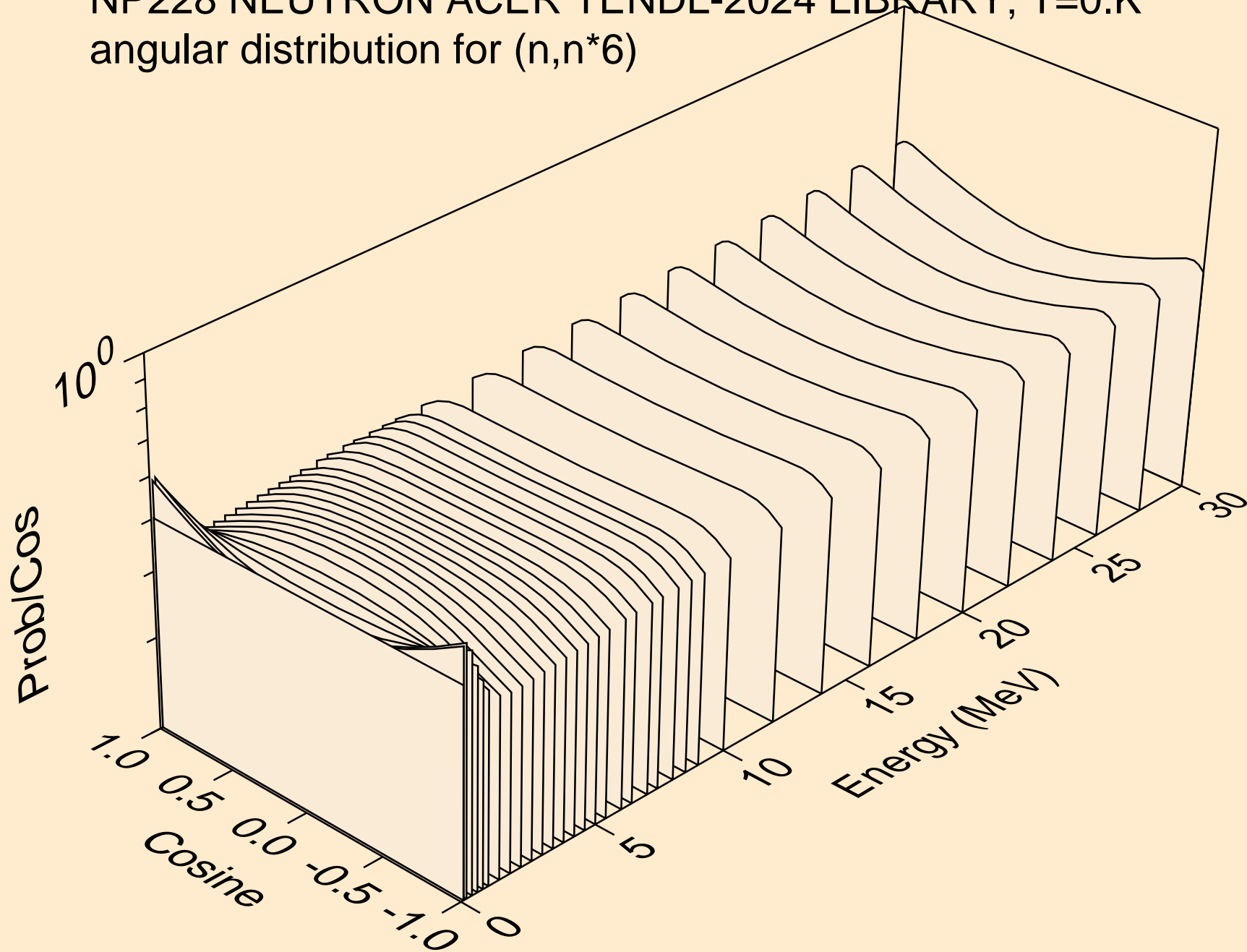
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



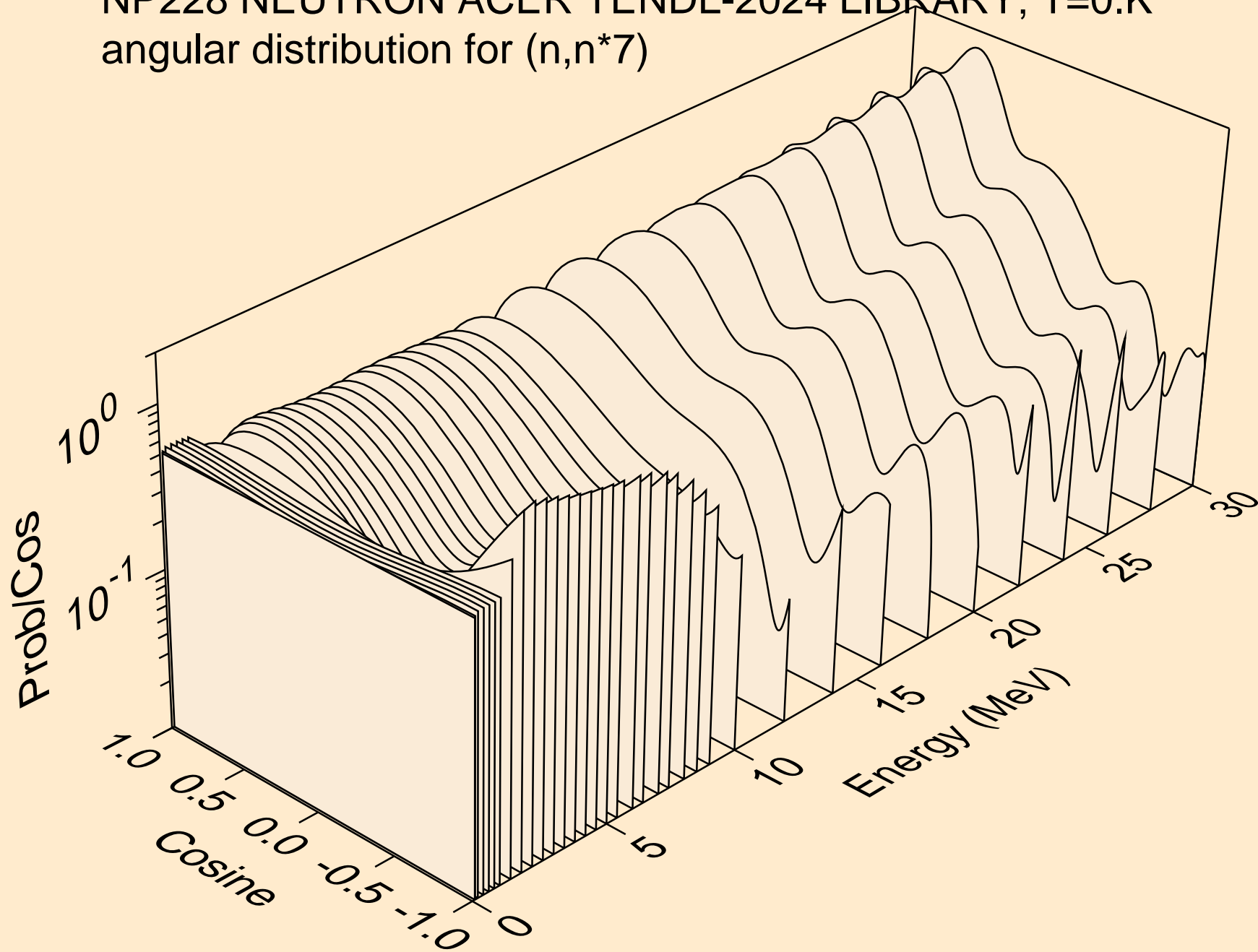
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



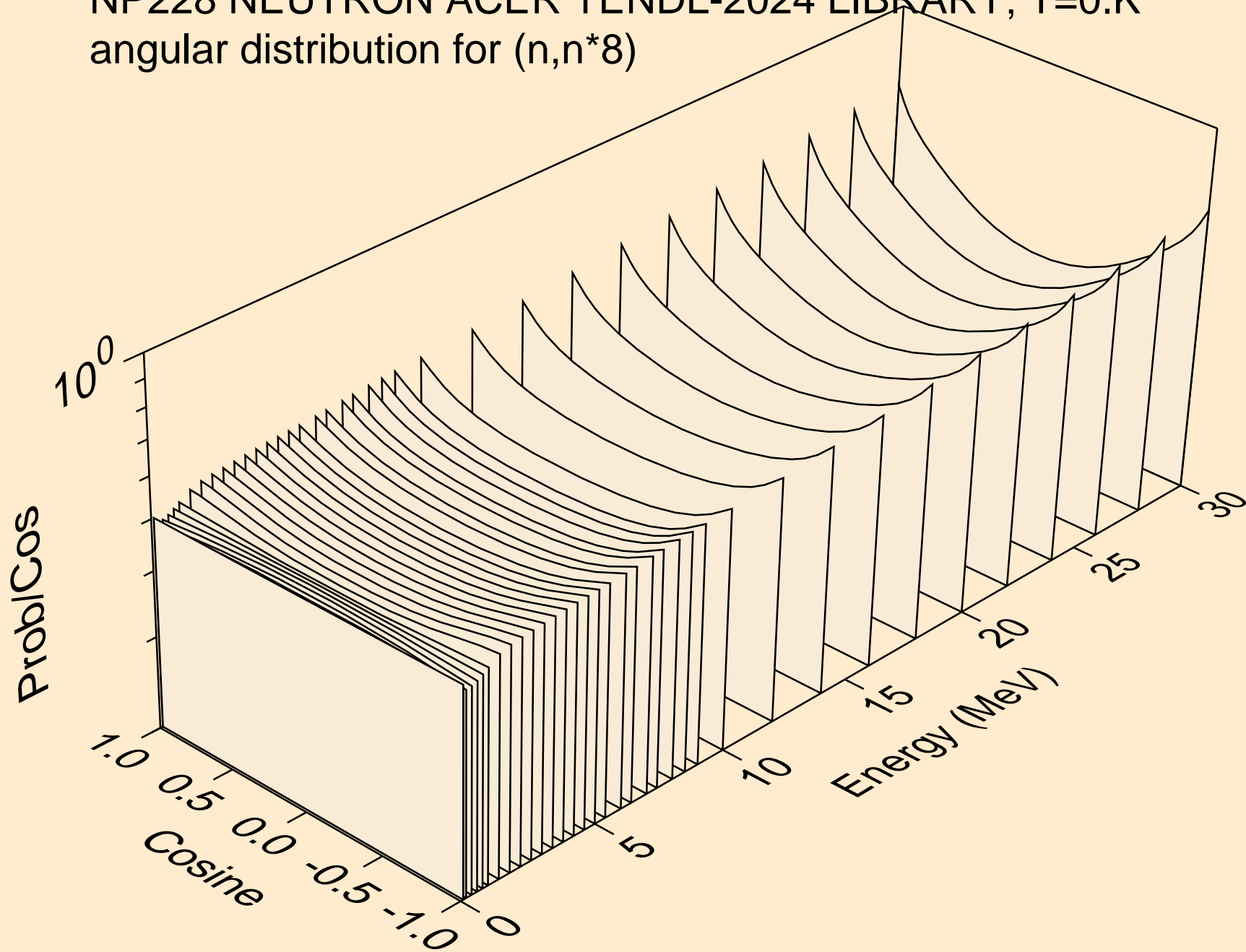
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



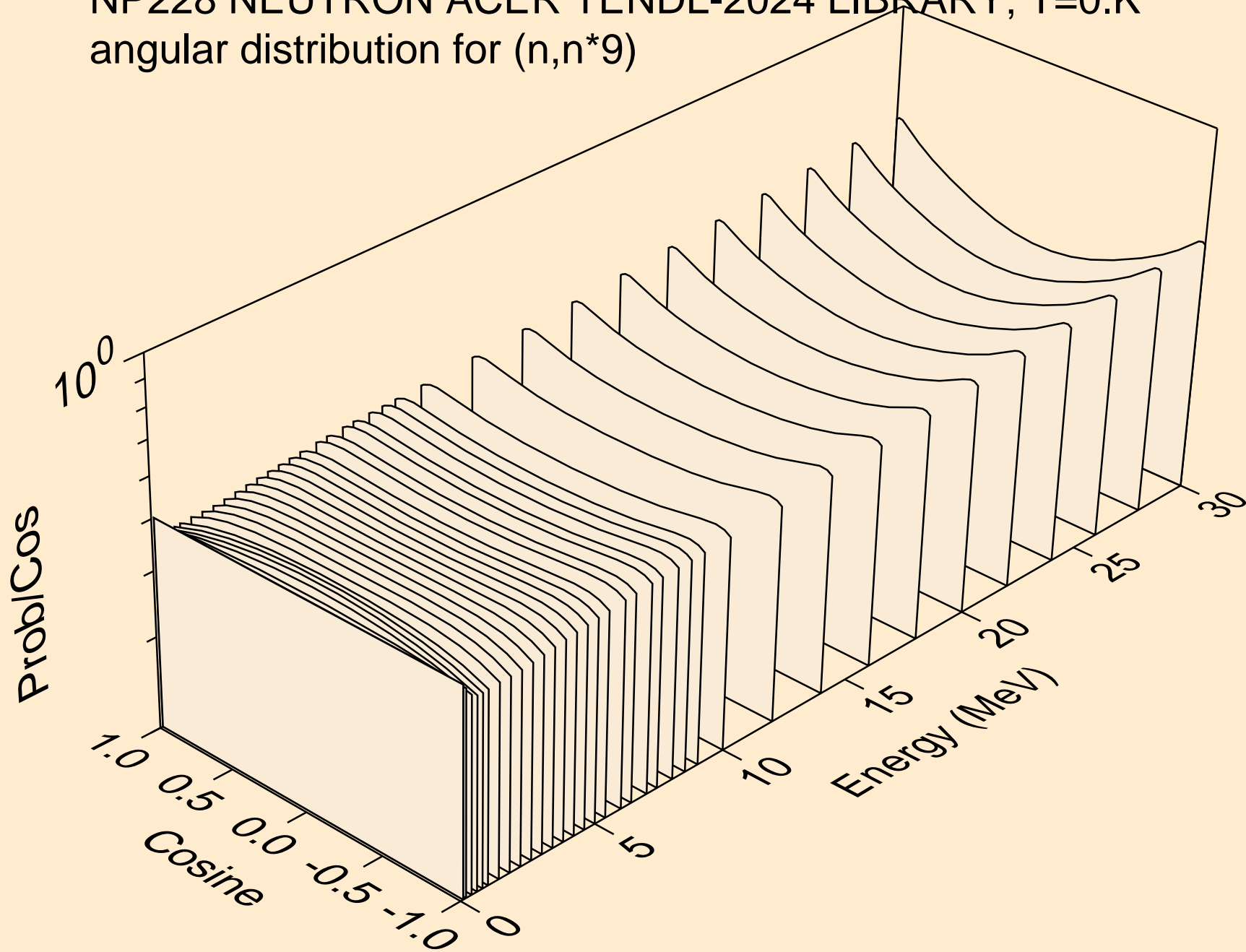
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)

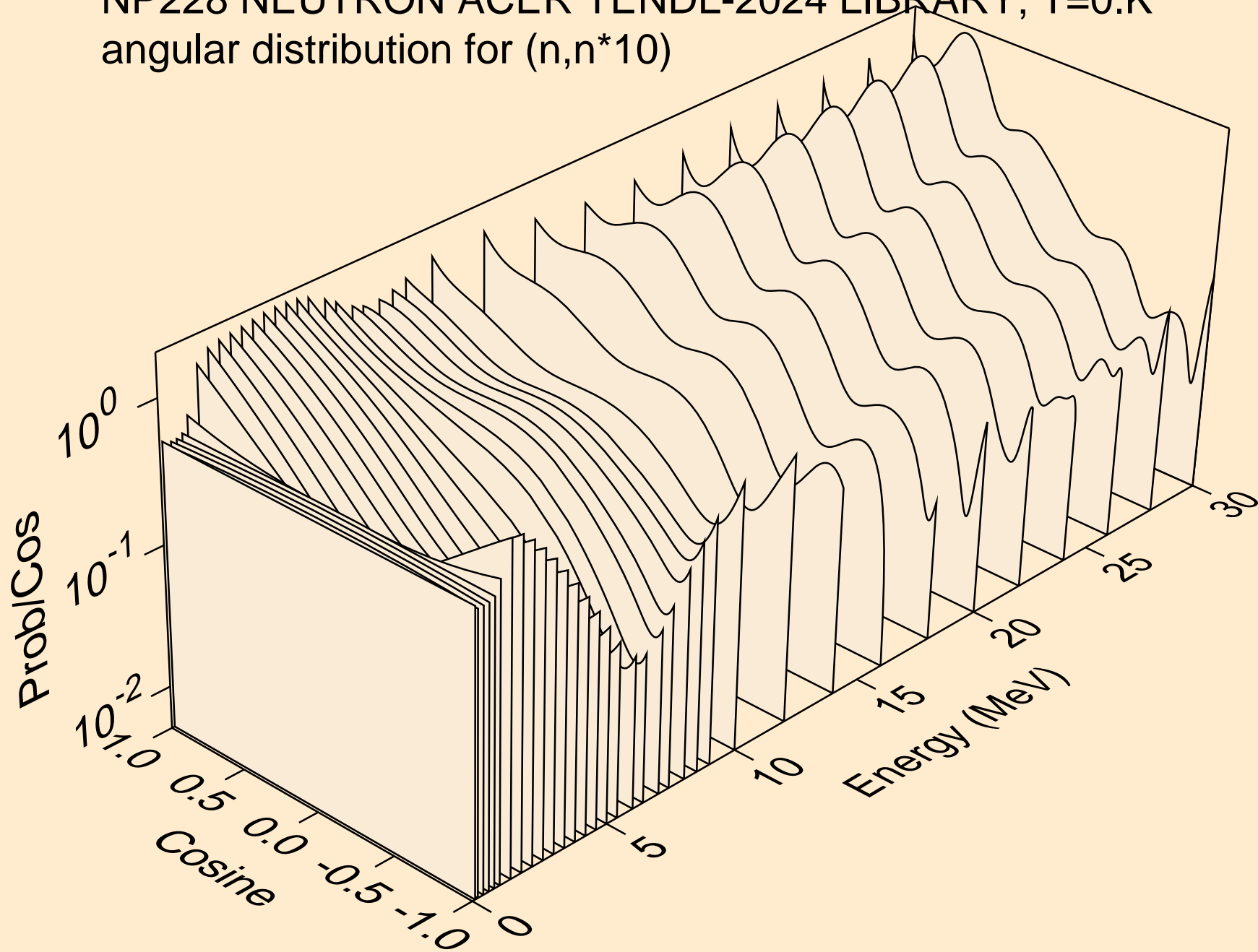


NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

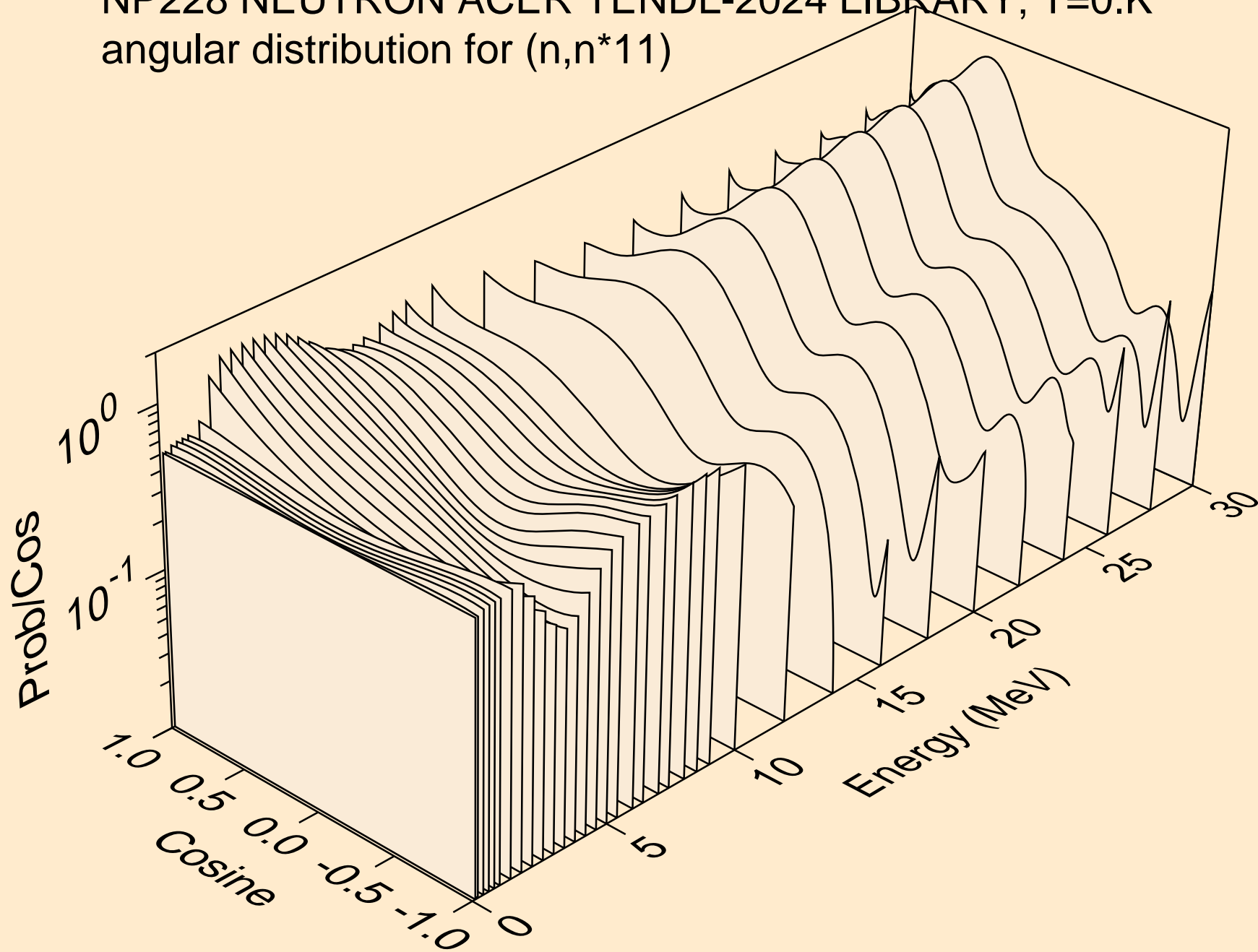




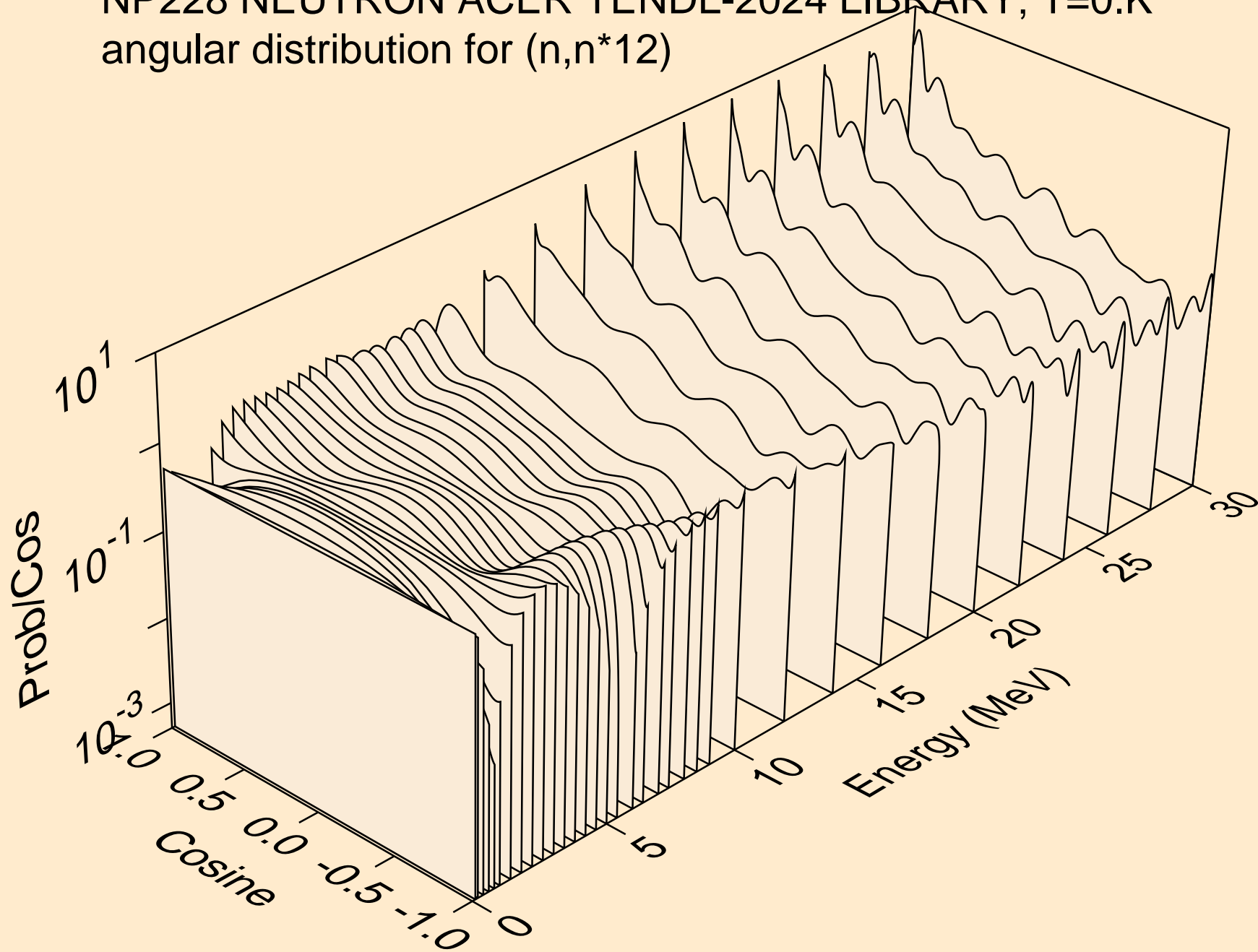
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



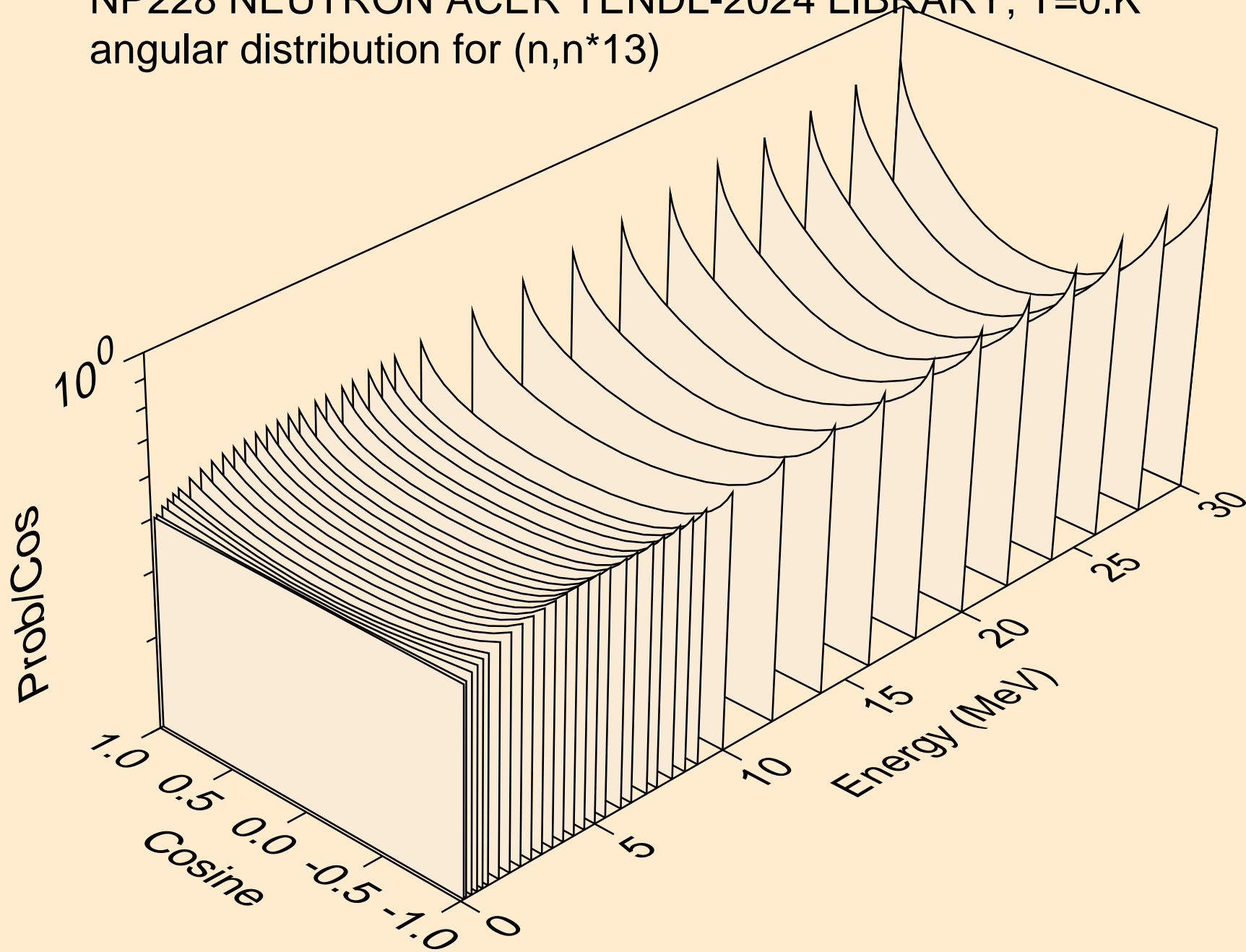
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



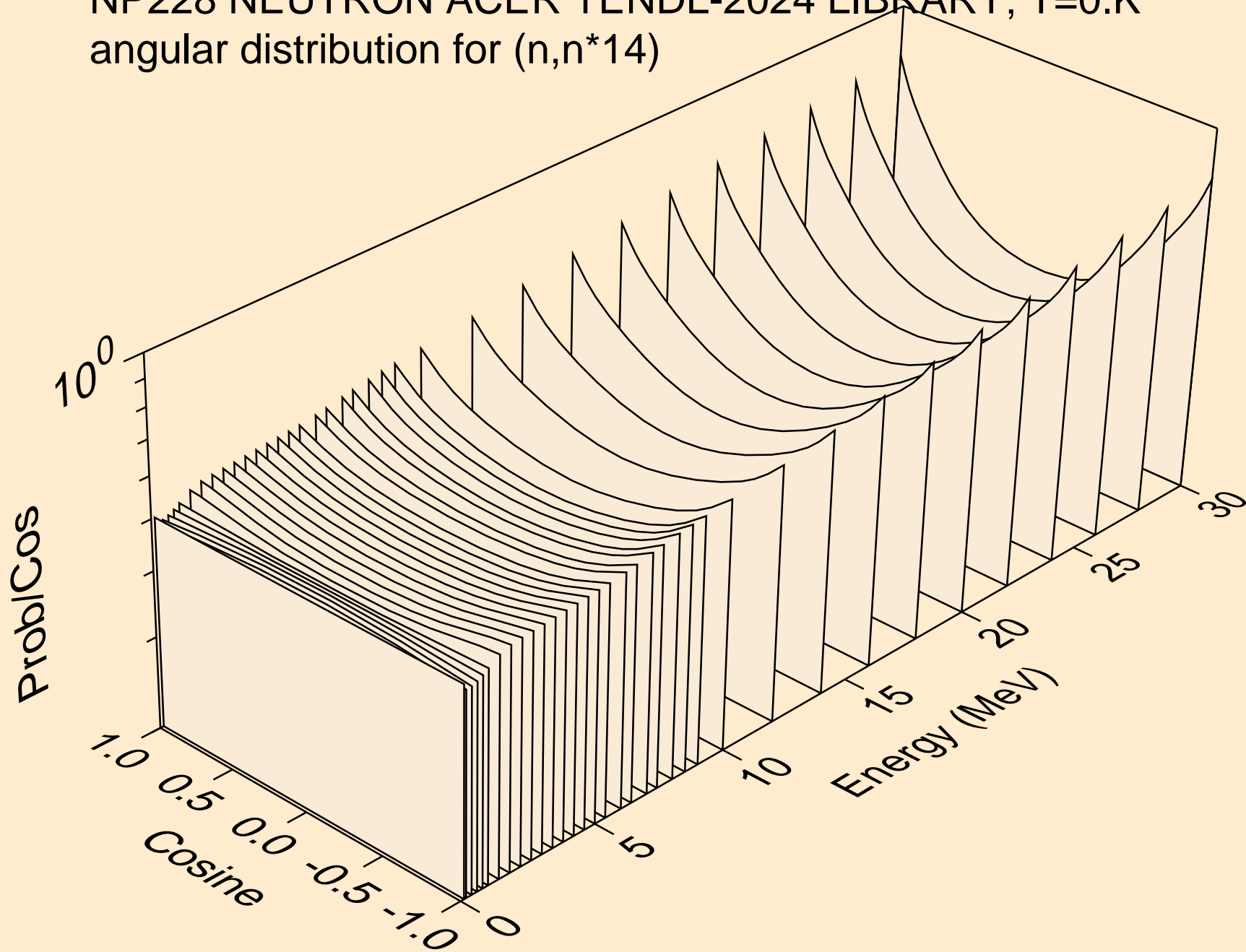
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



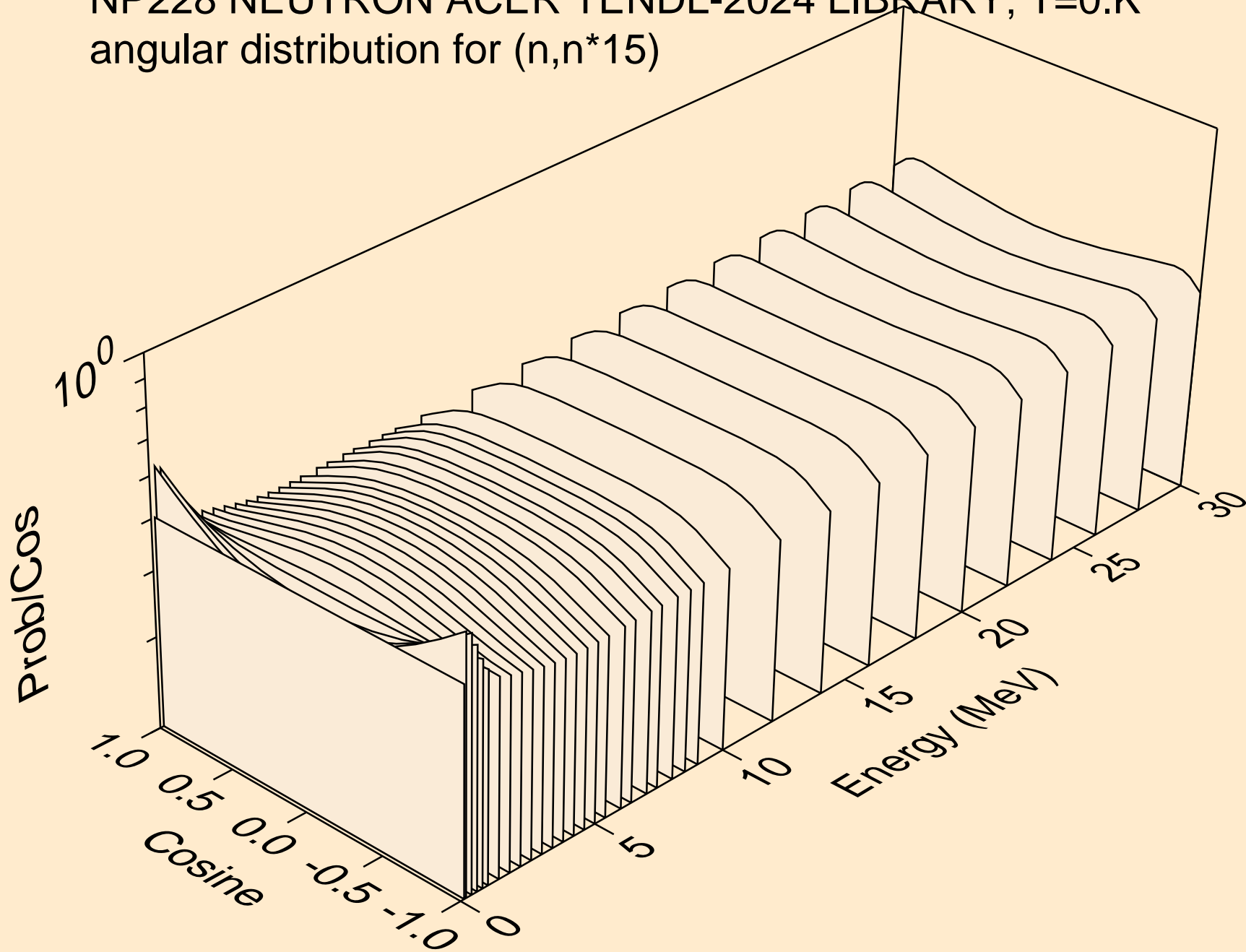
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



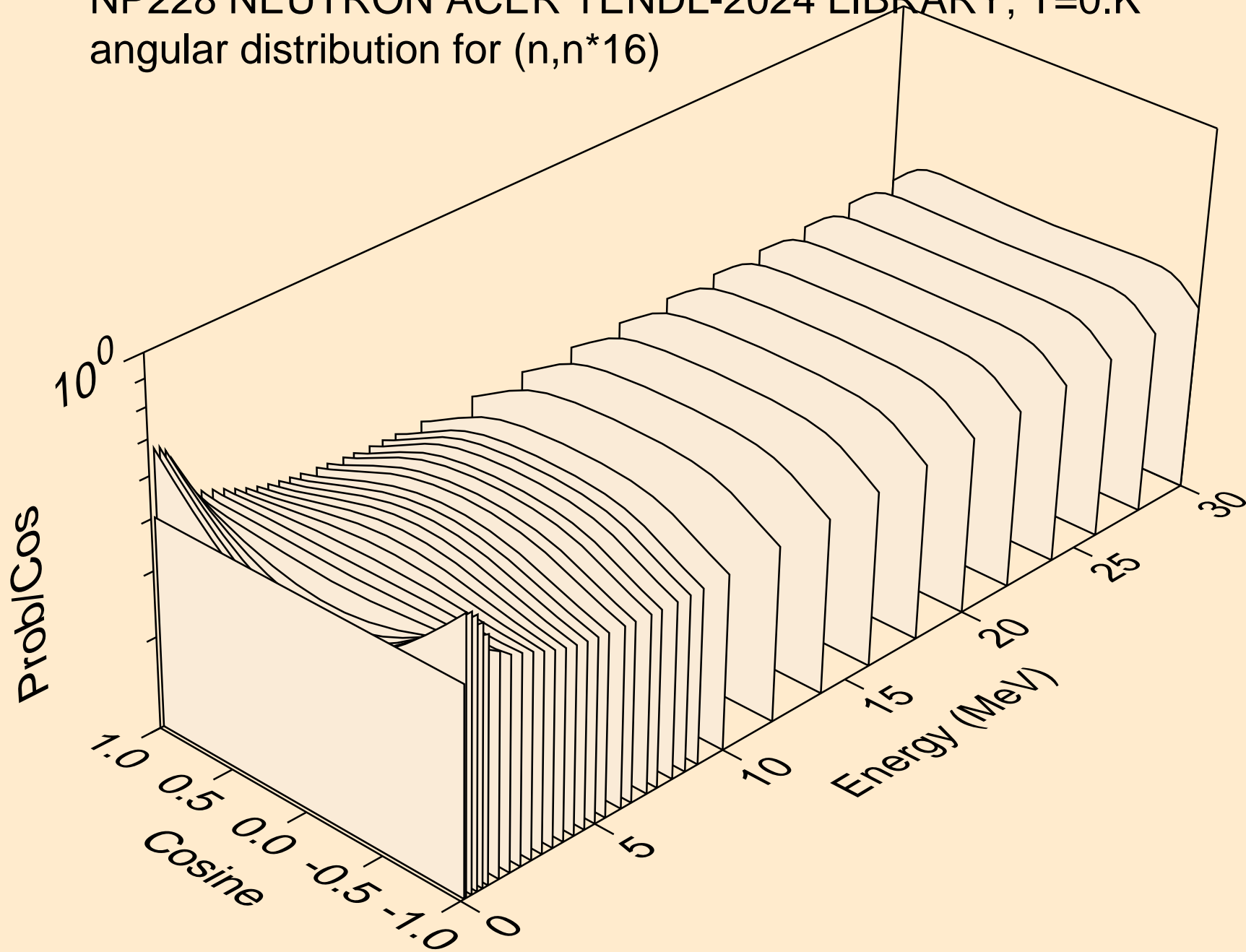
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



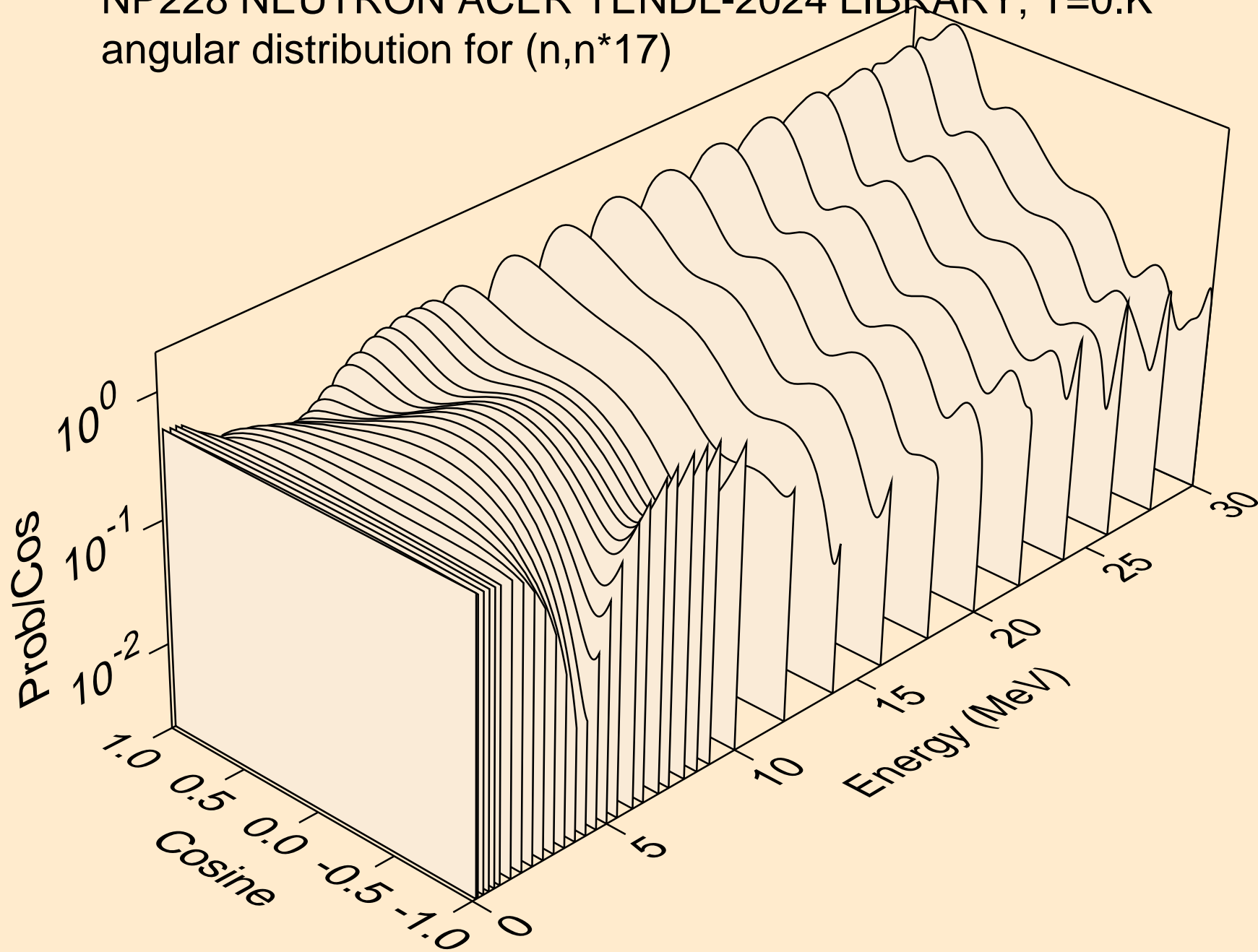
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)

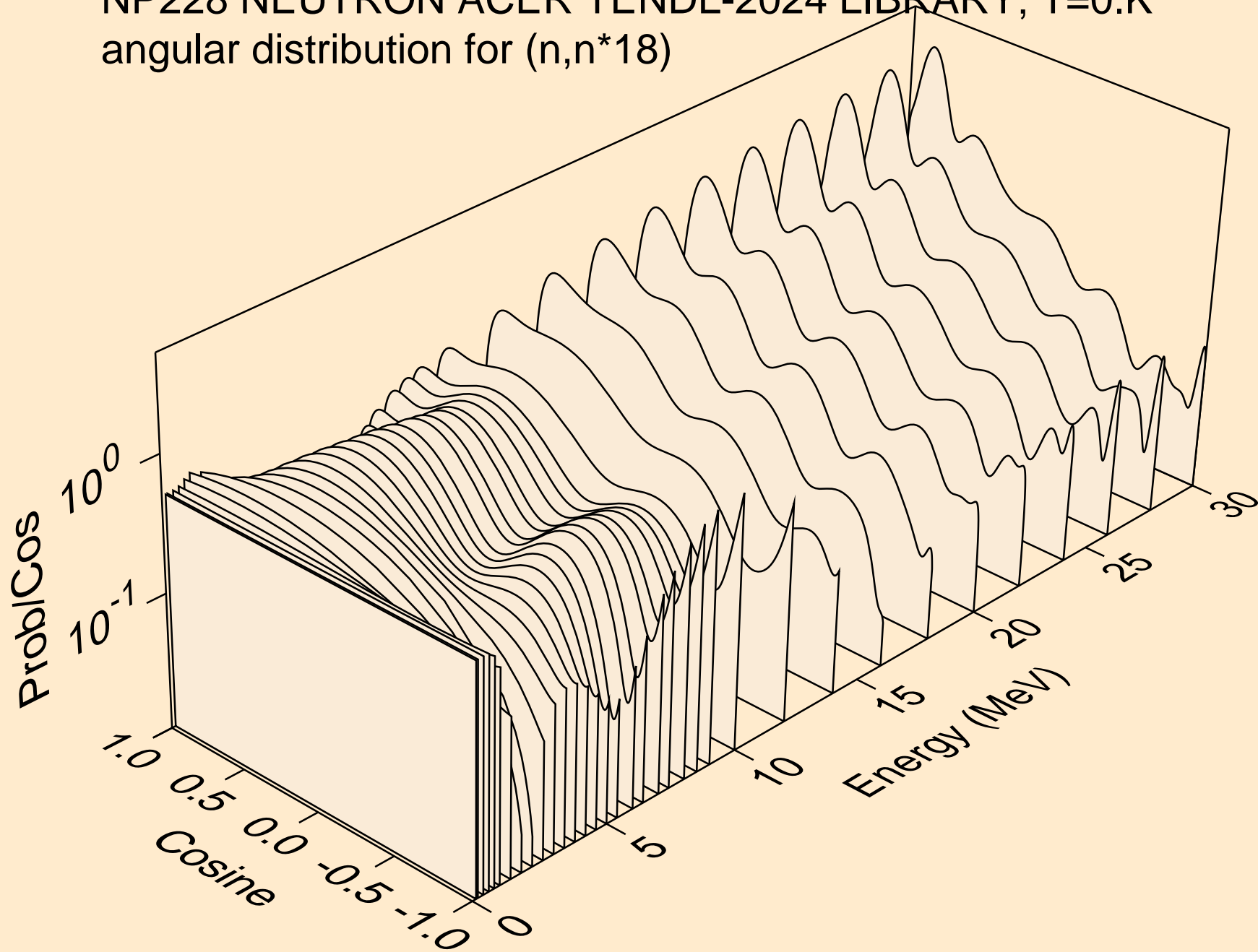


NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*17)

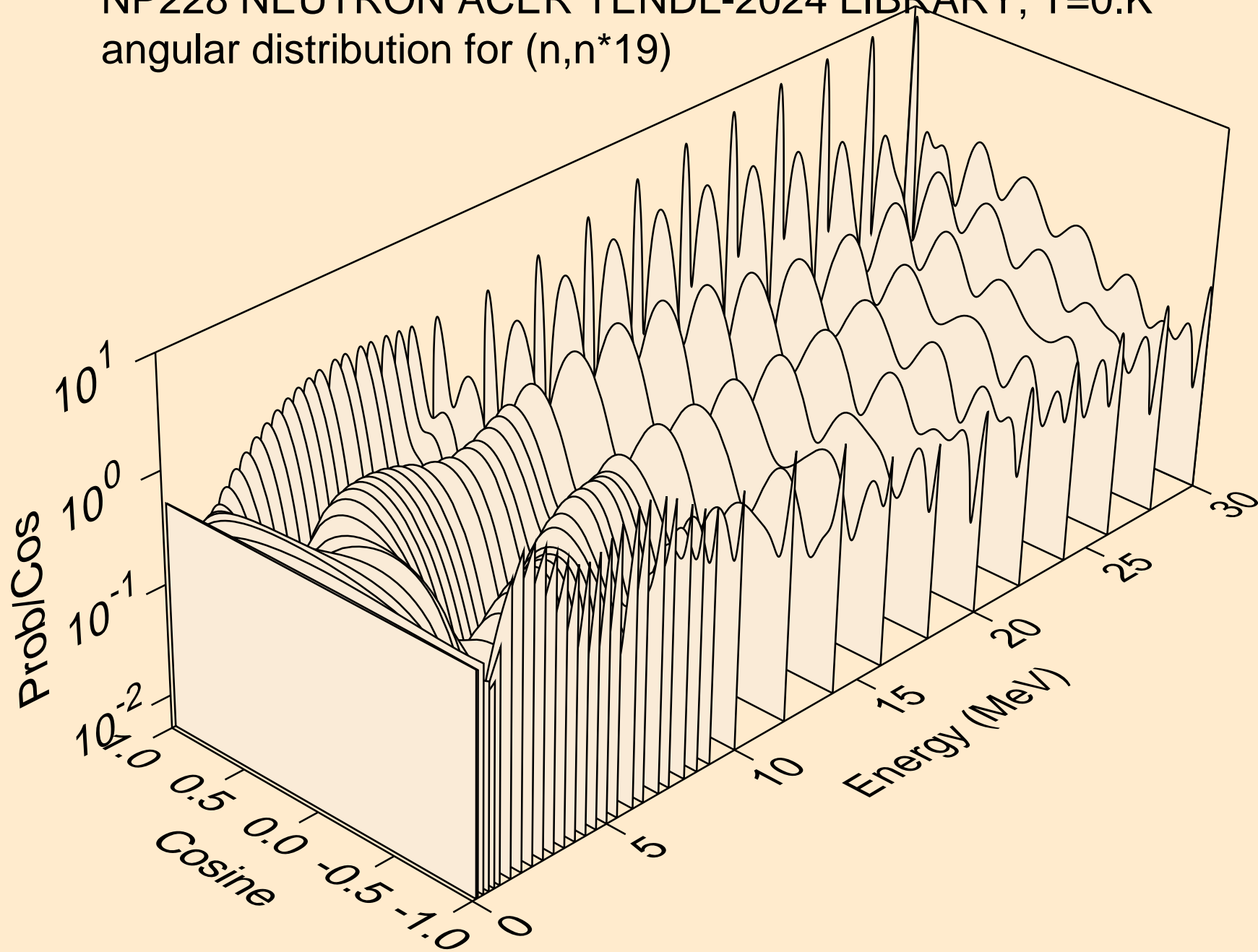




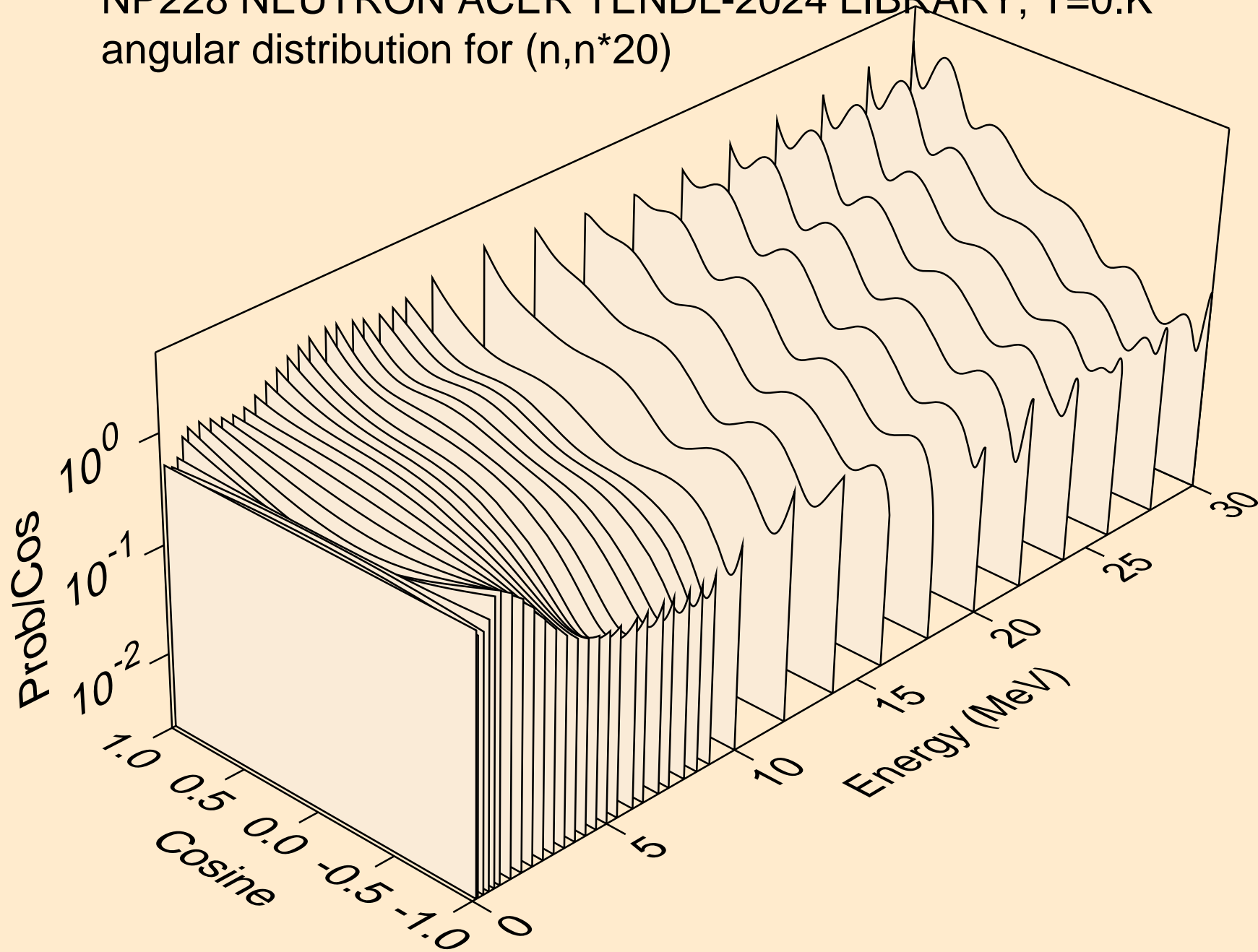
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



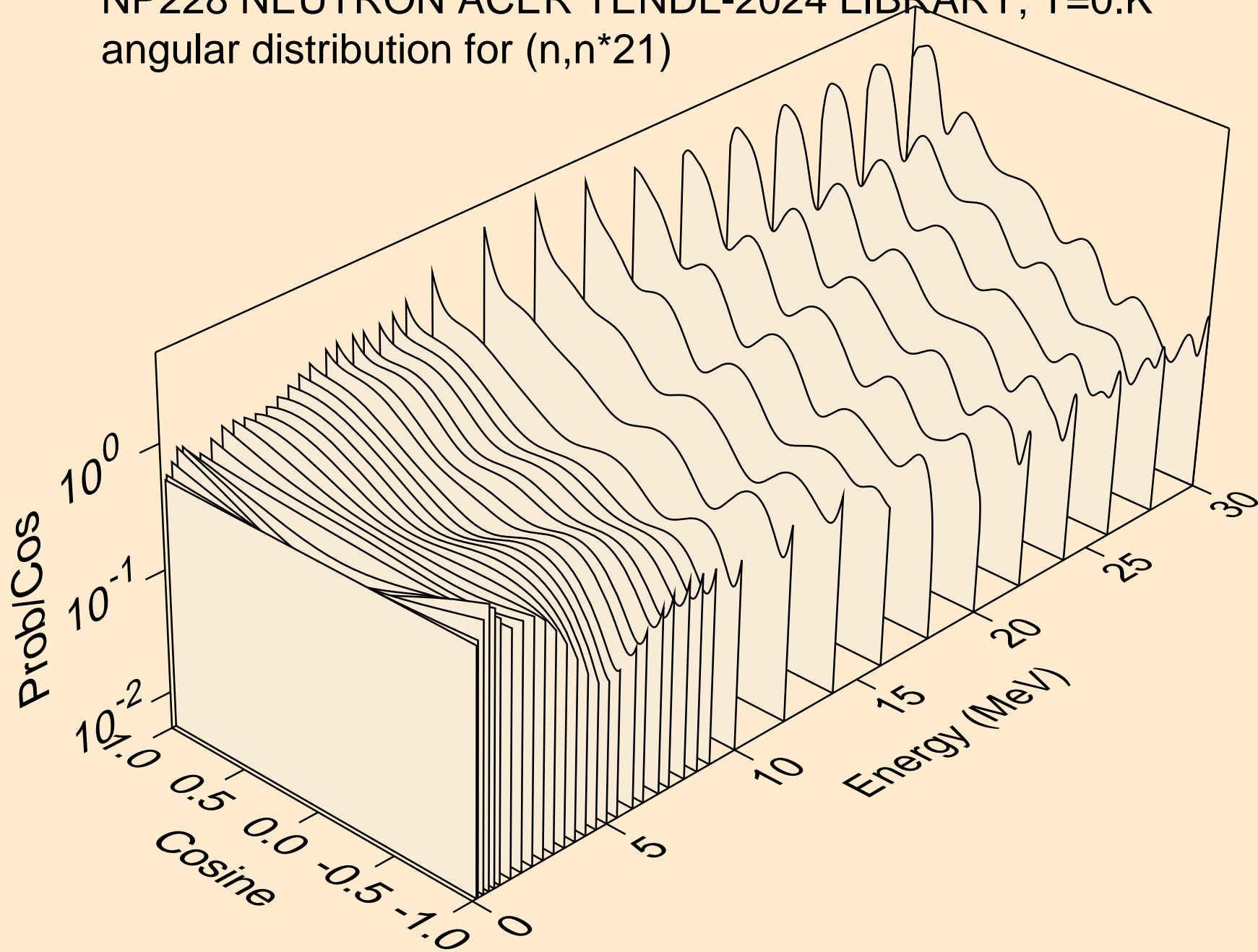
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*20)

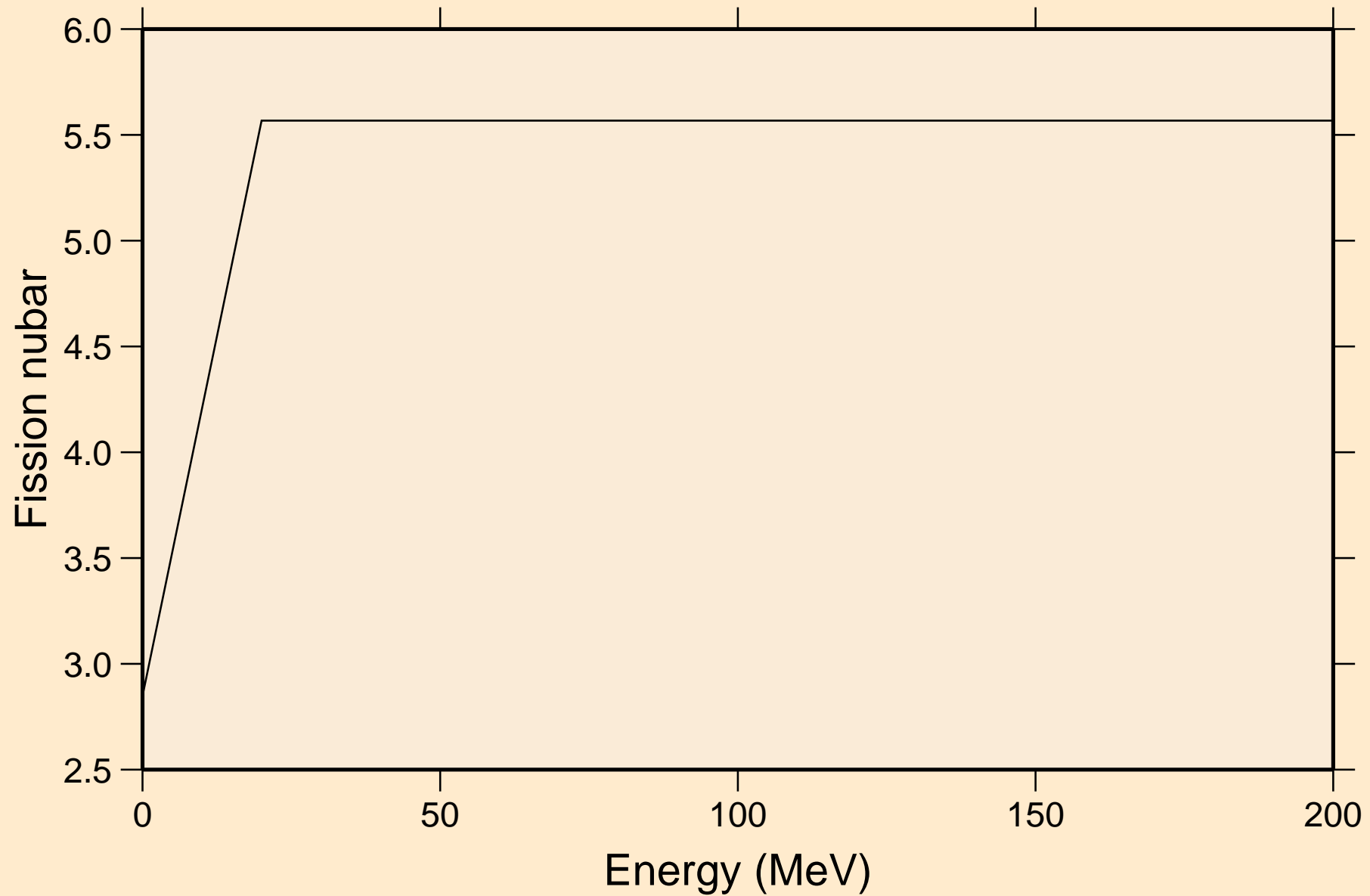


NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*21)

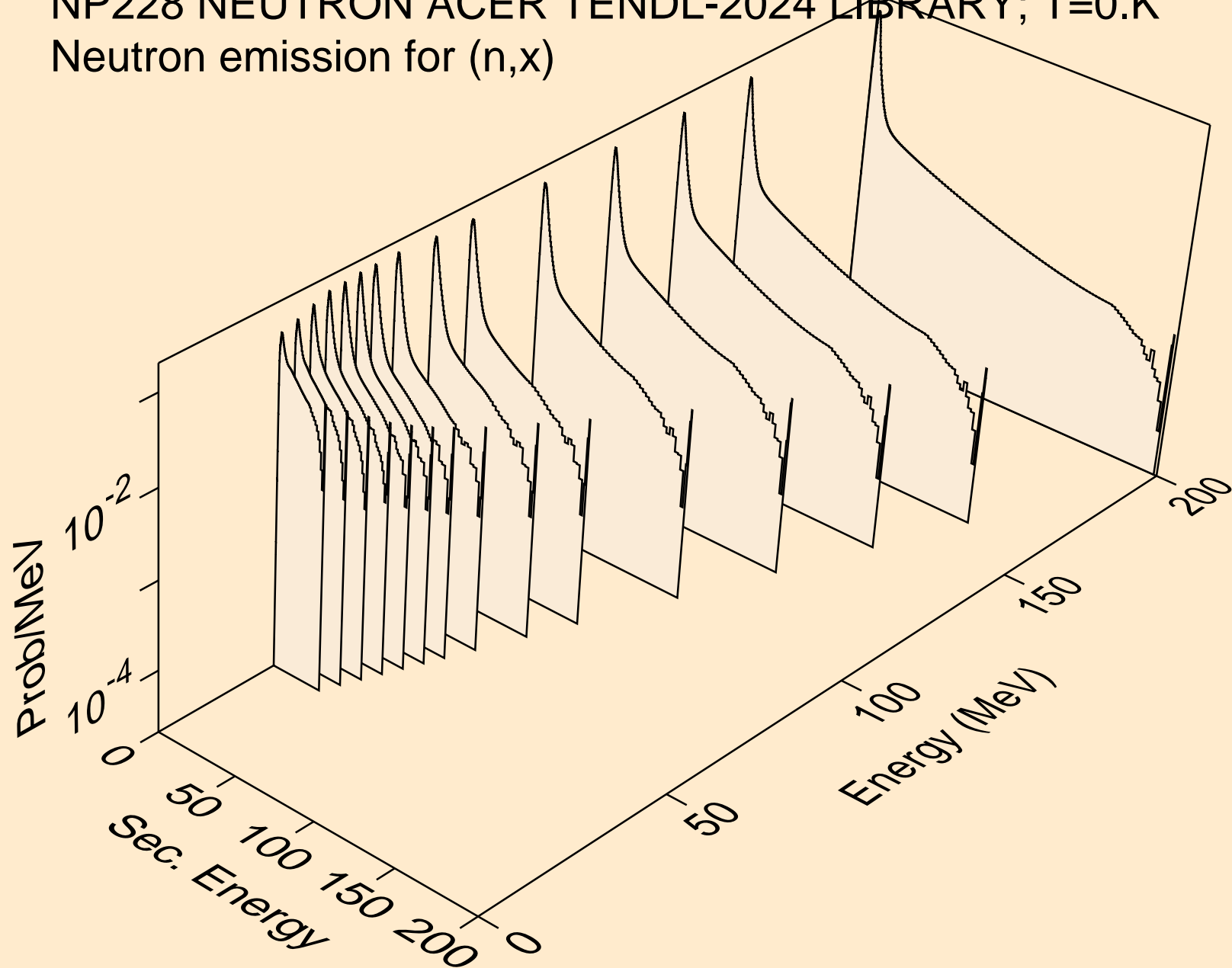


# NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

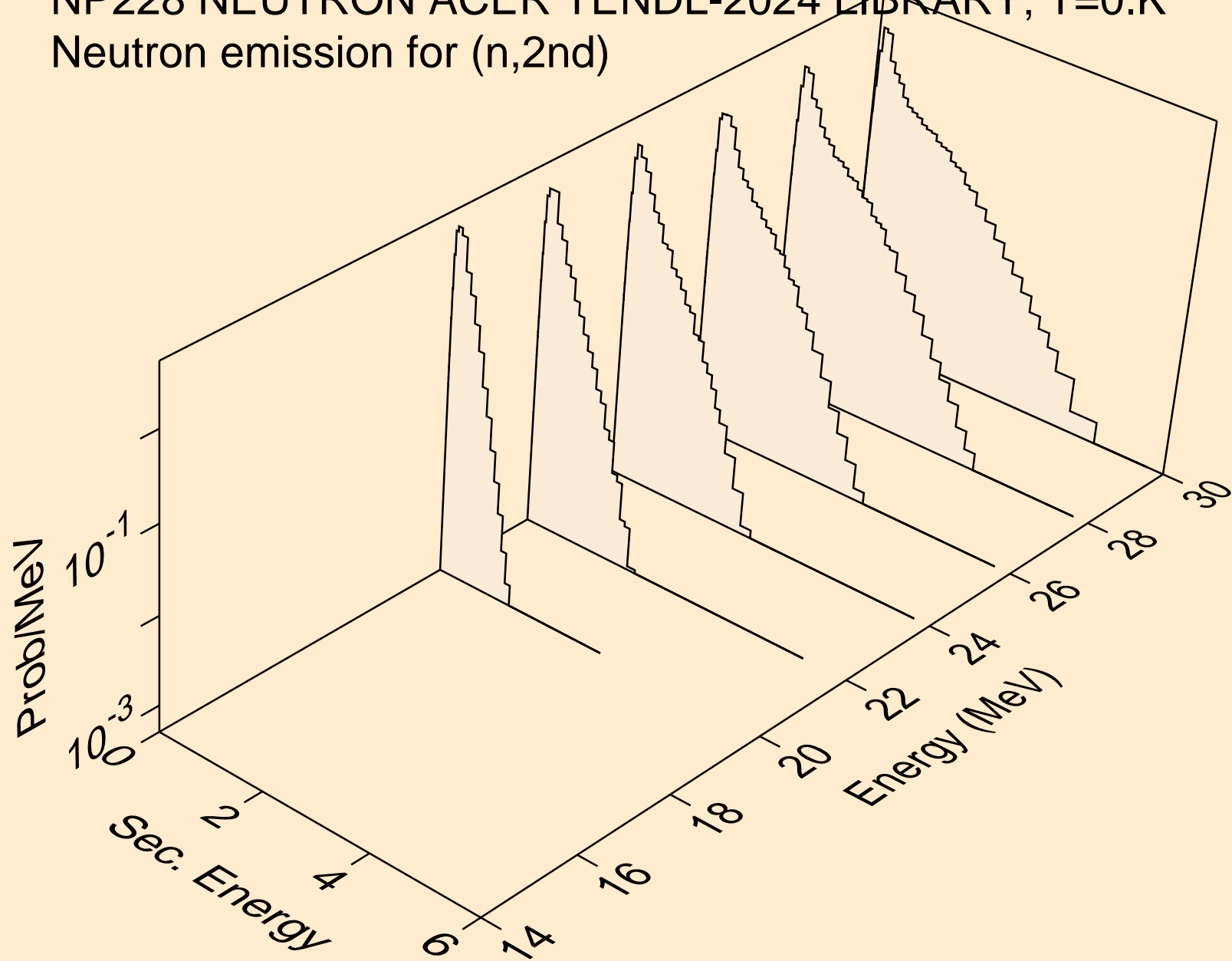
Total fission nubar



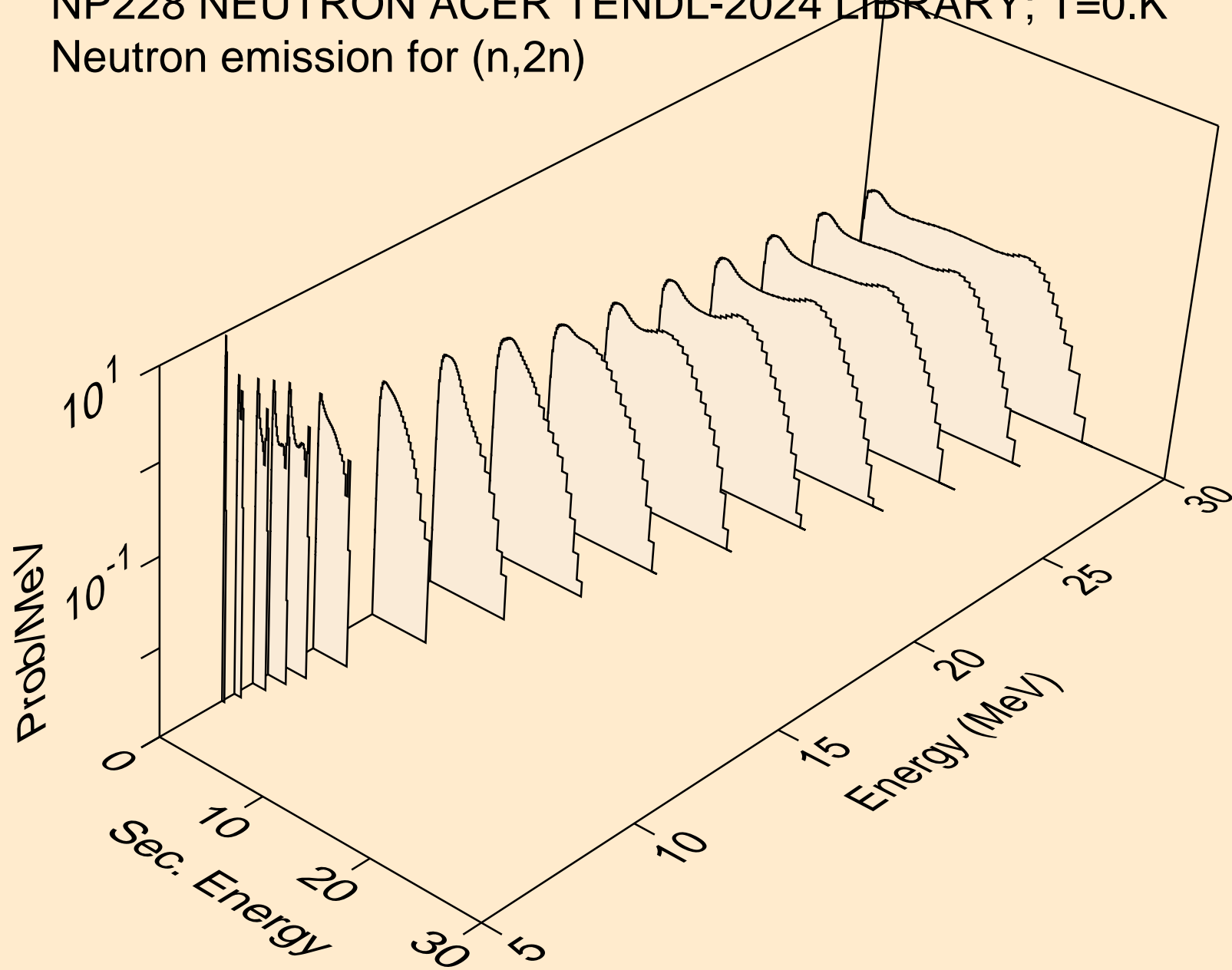
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)

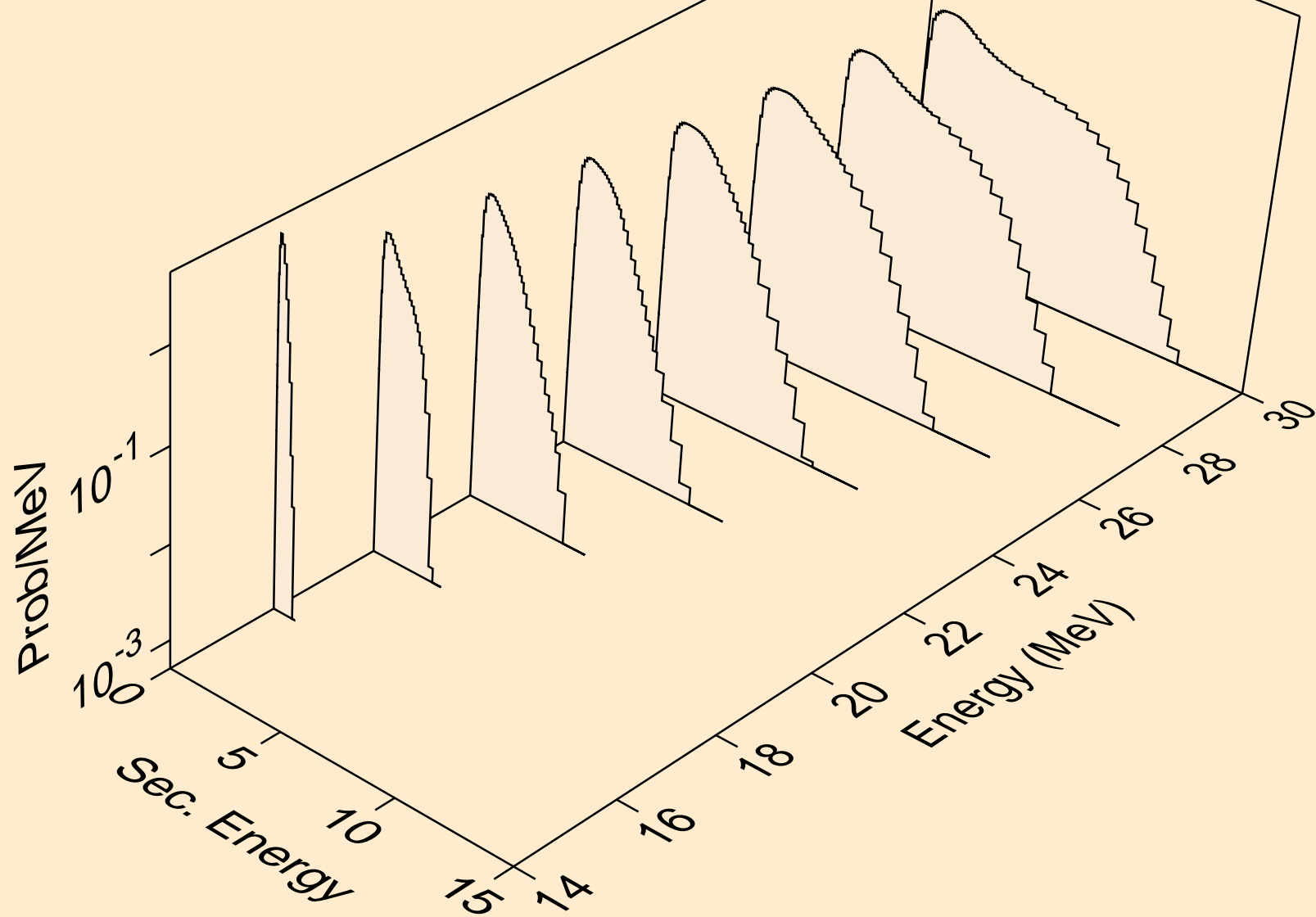


NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)

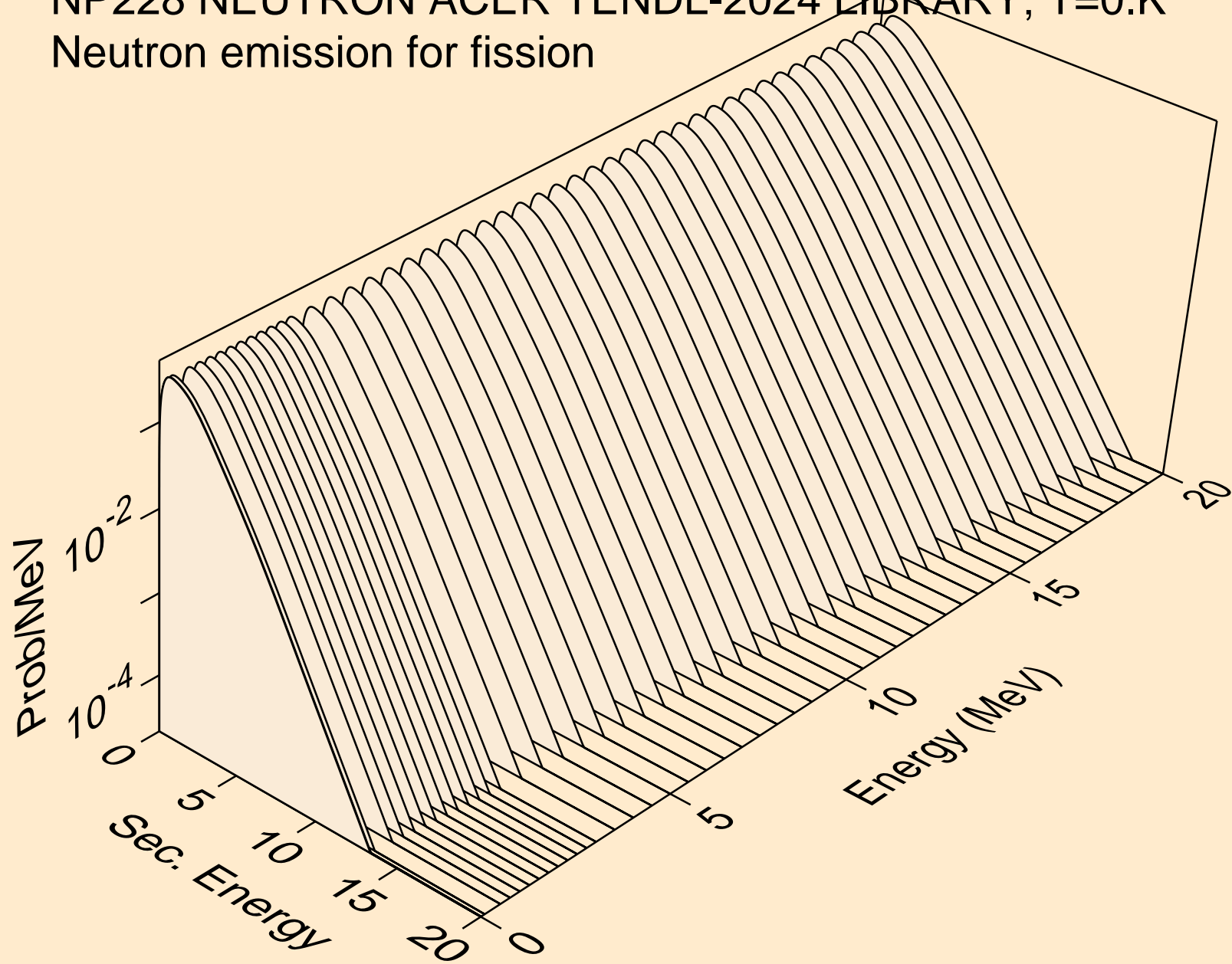




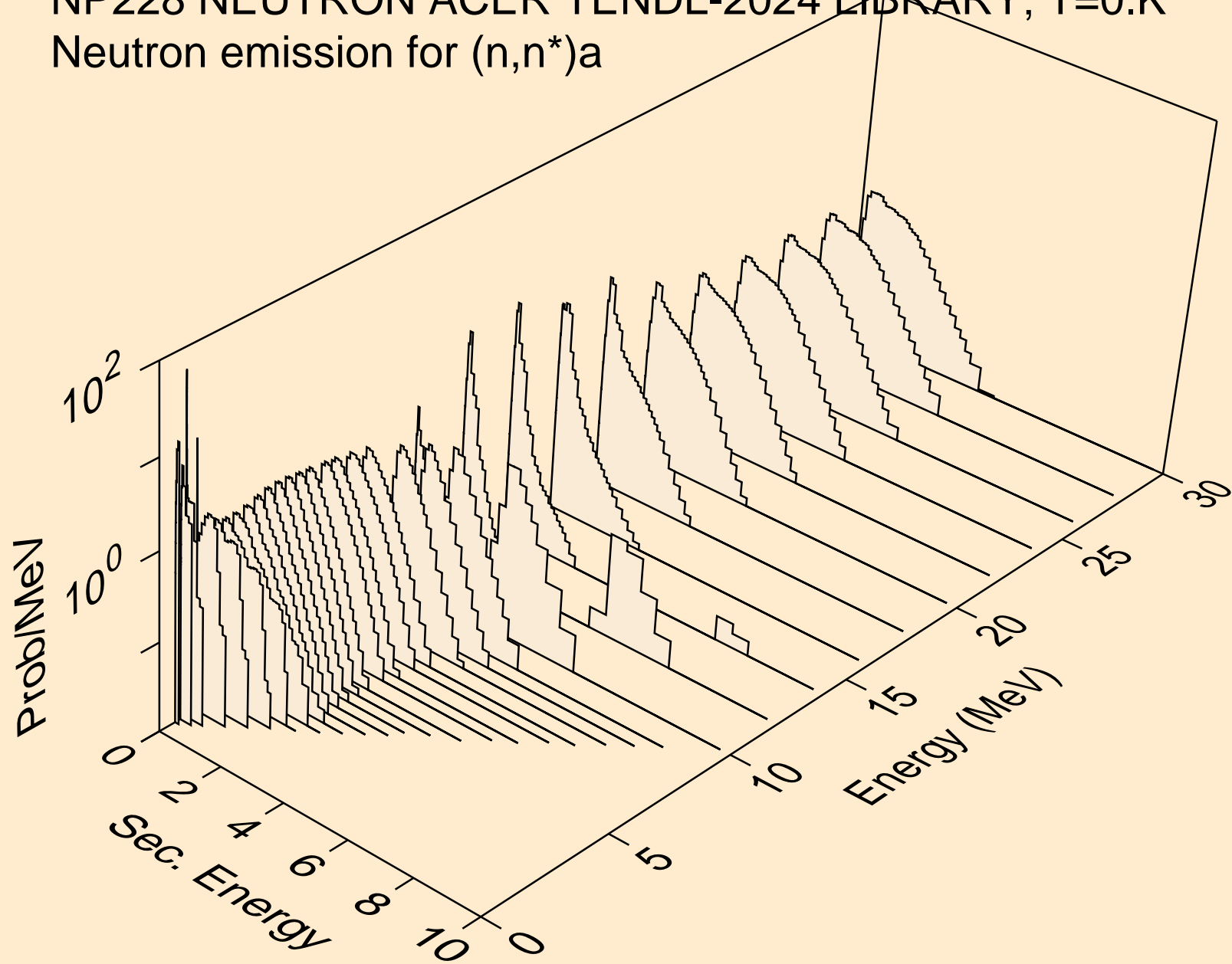
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



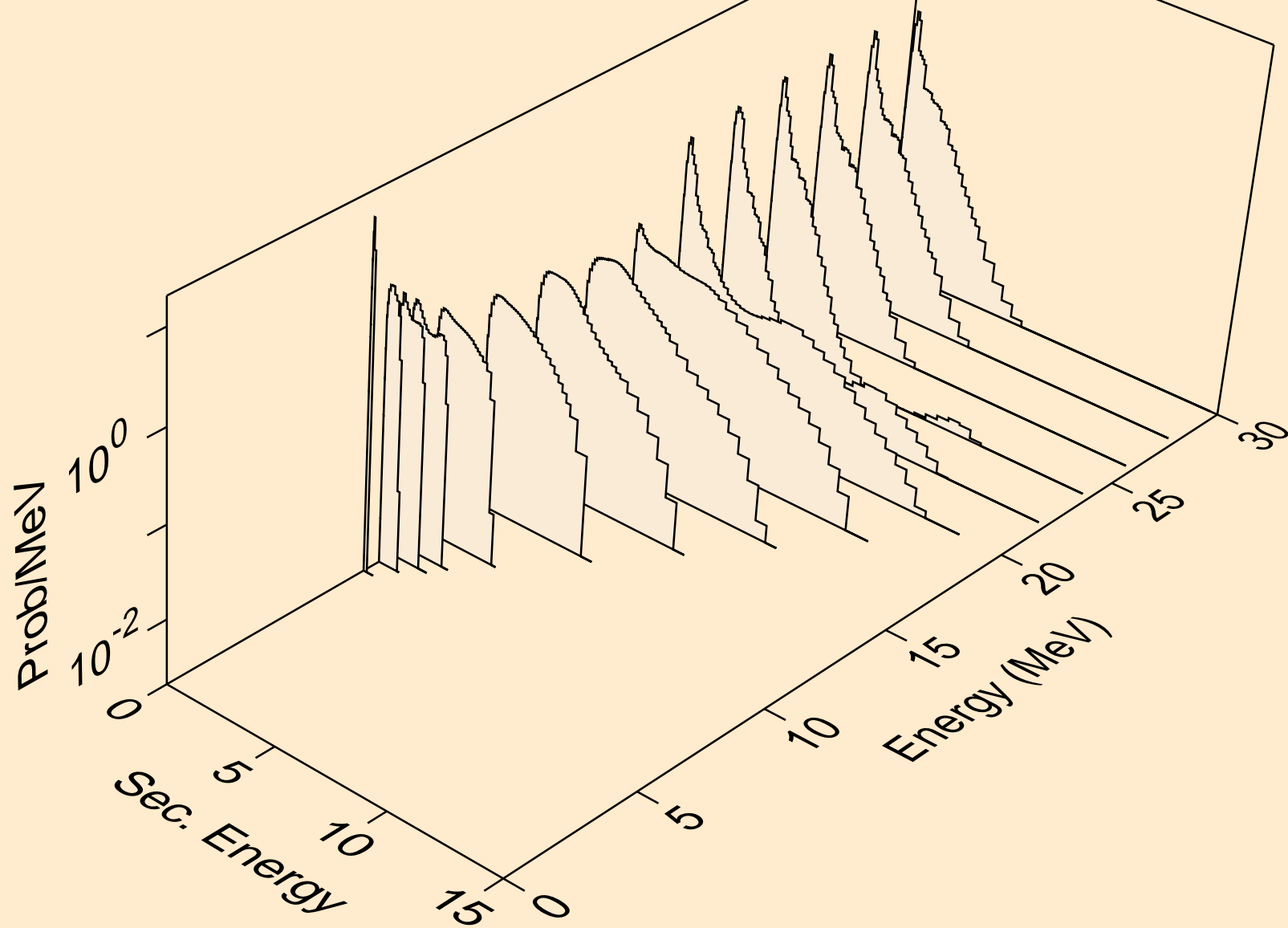
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for fission



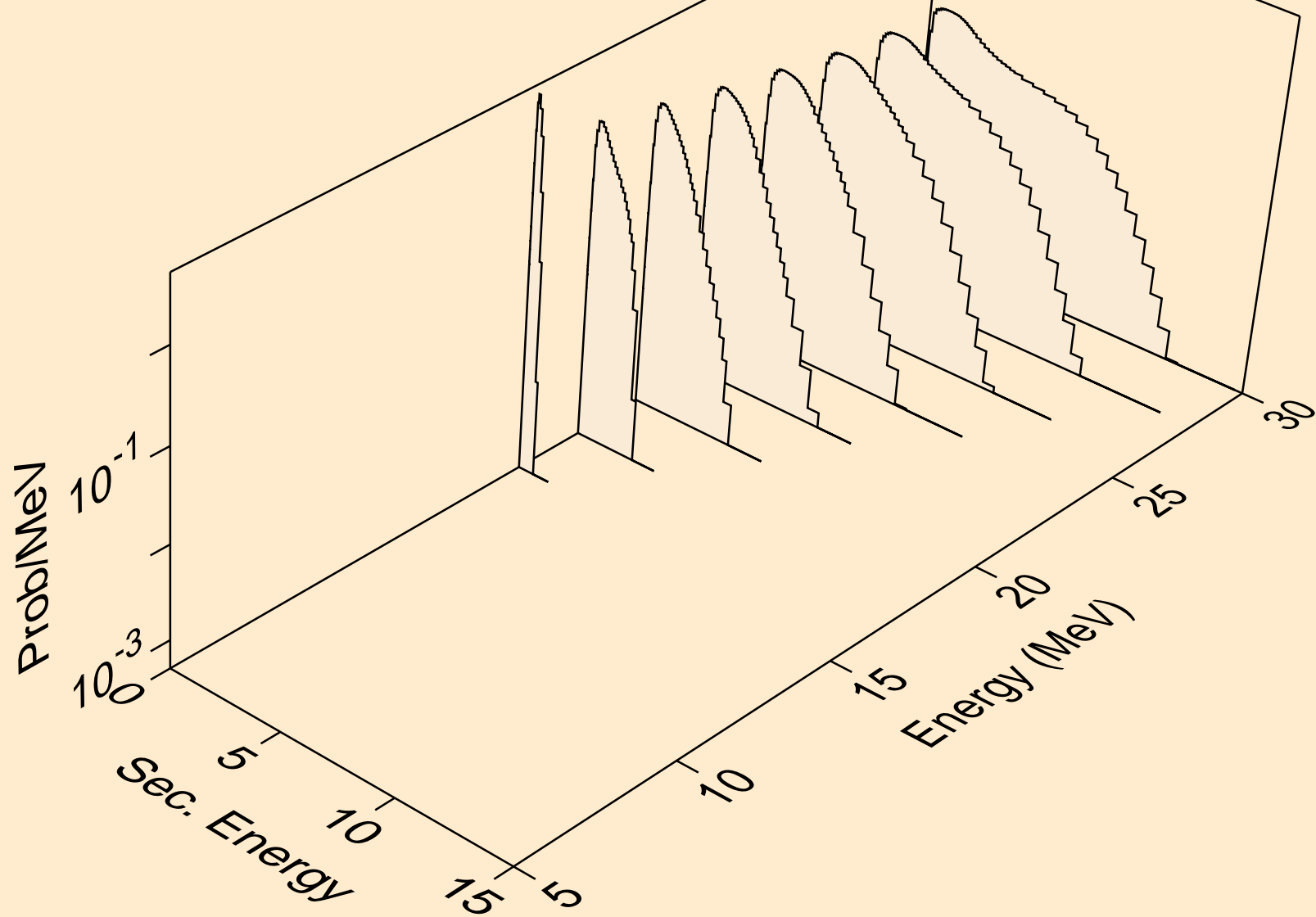
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



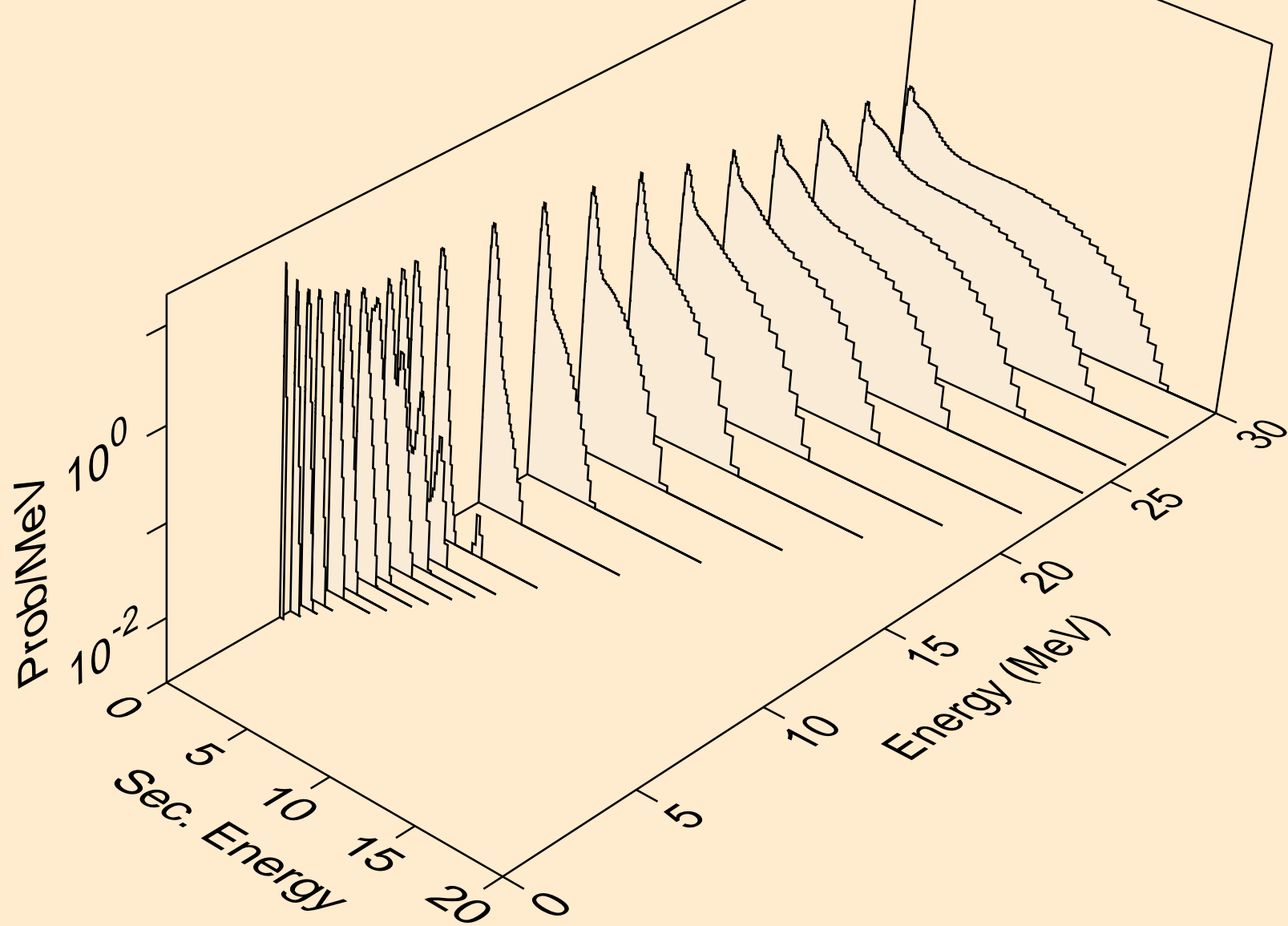
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



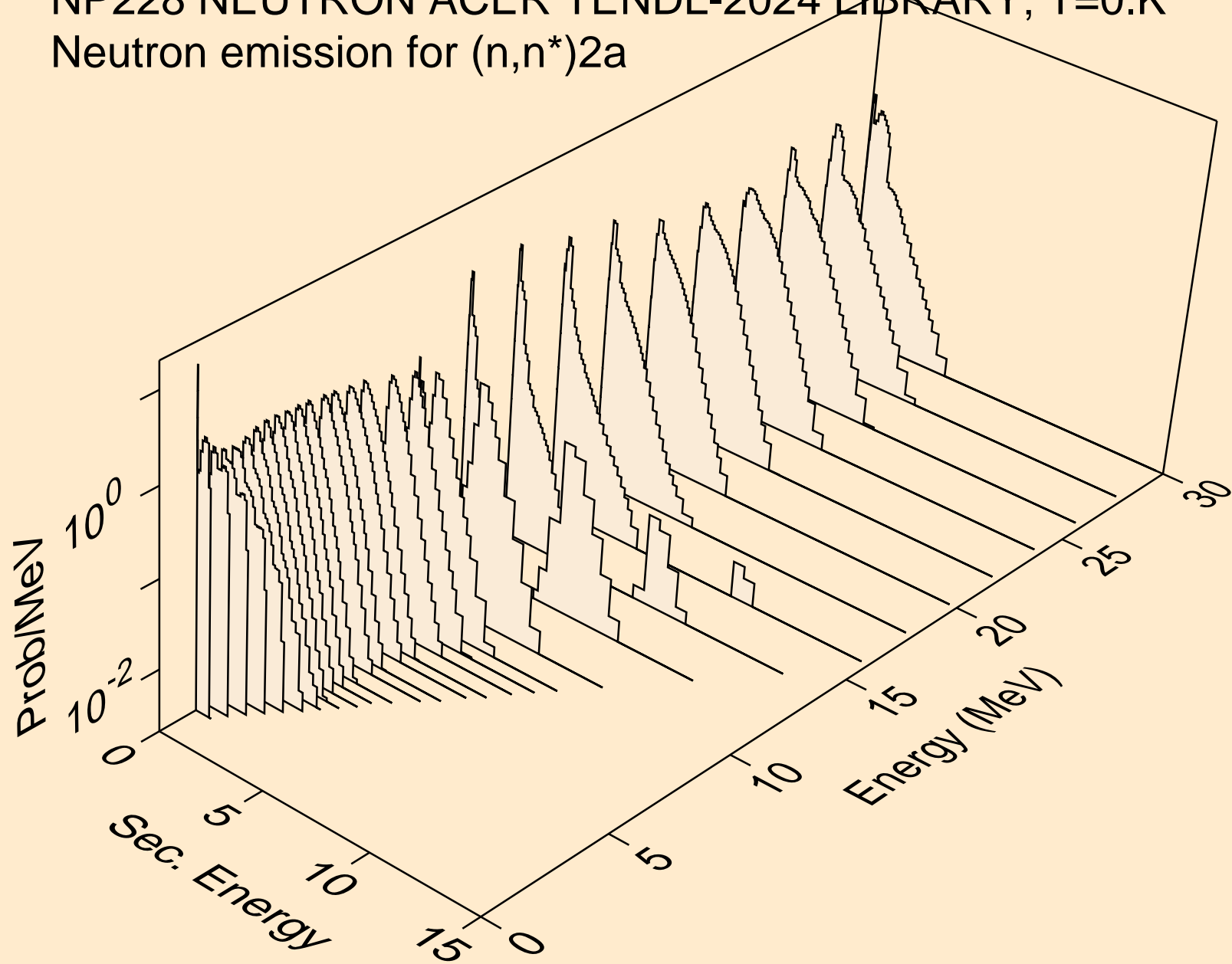
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



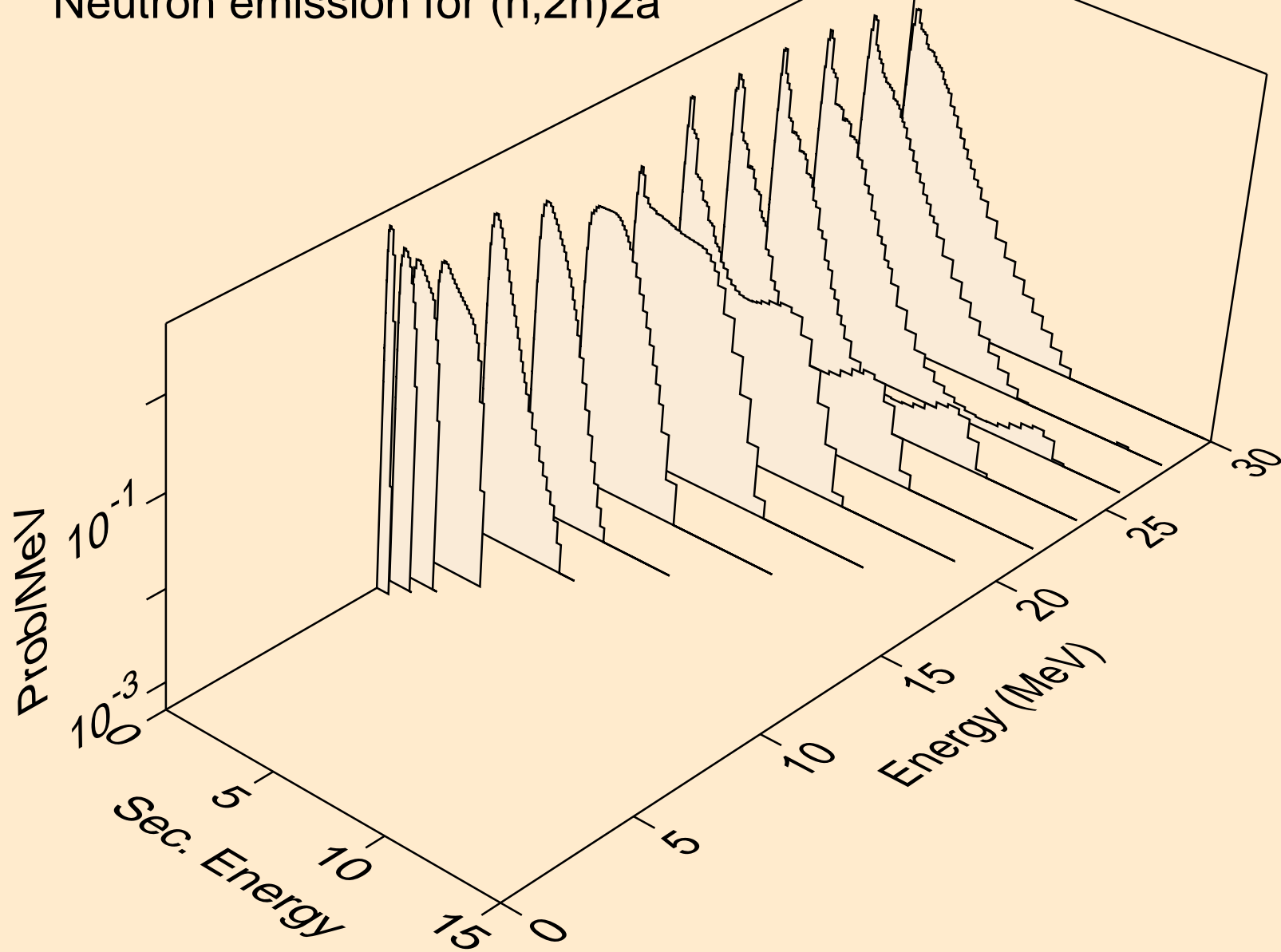
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a

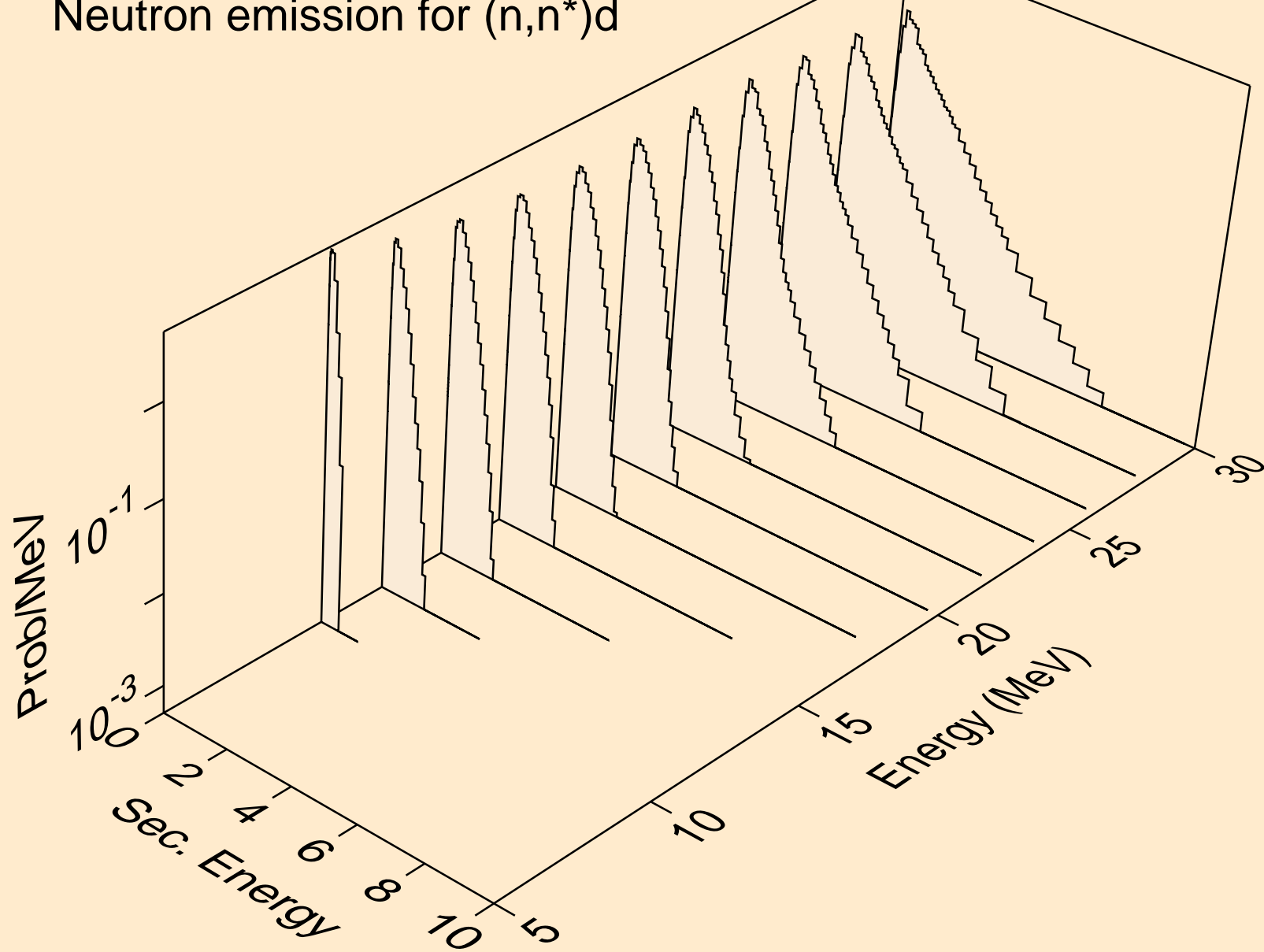


NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a

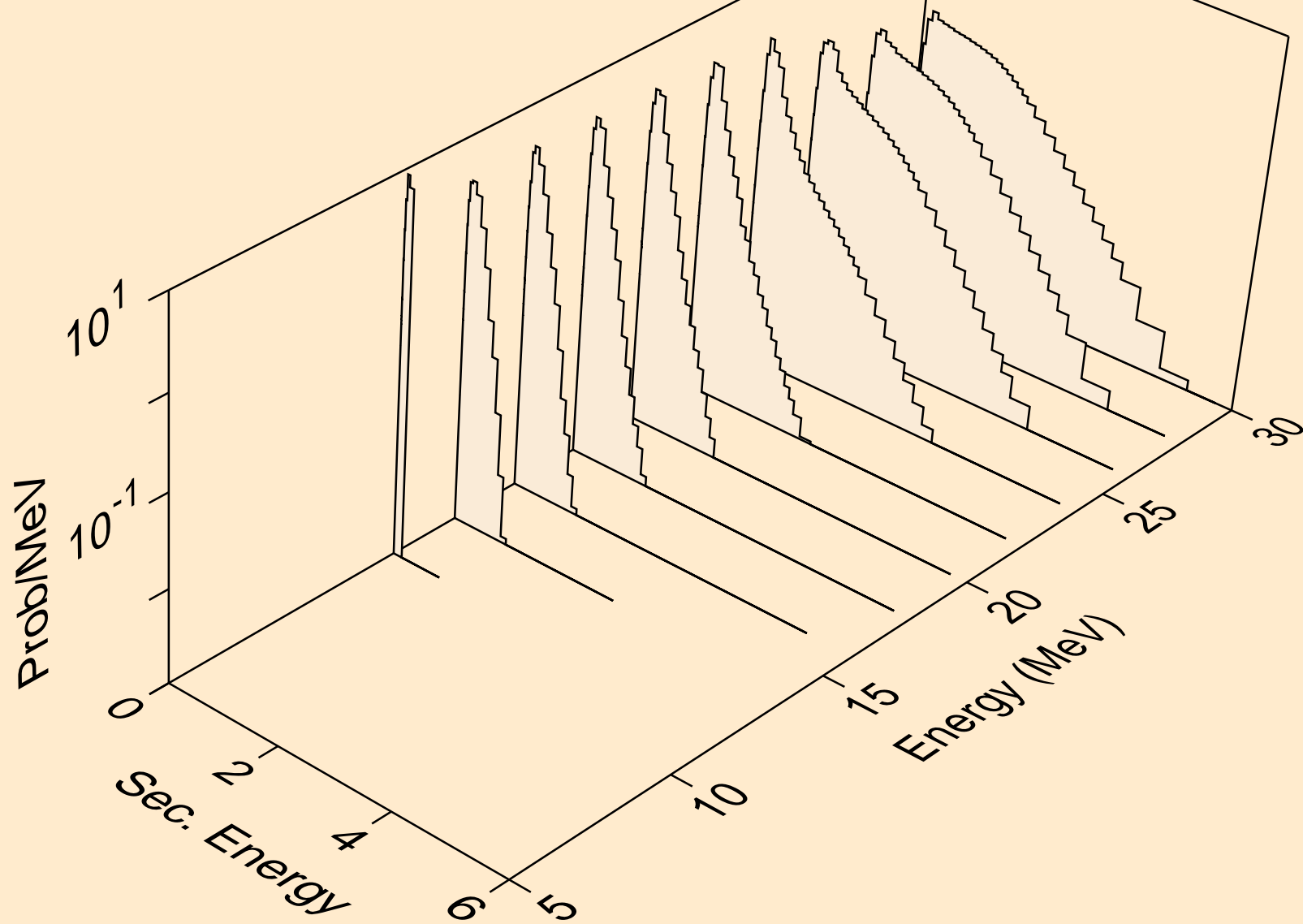




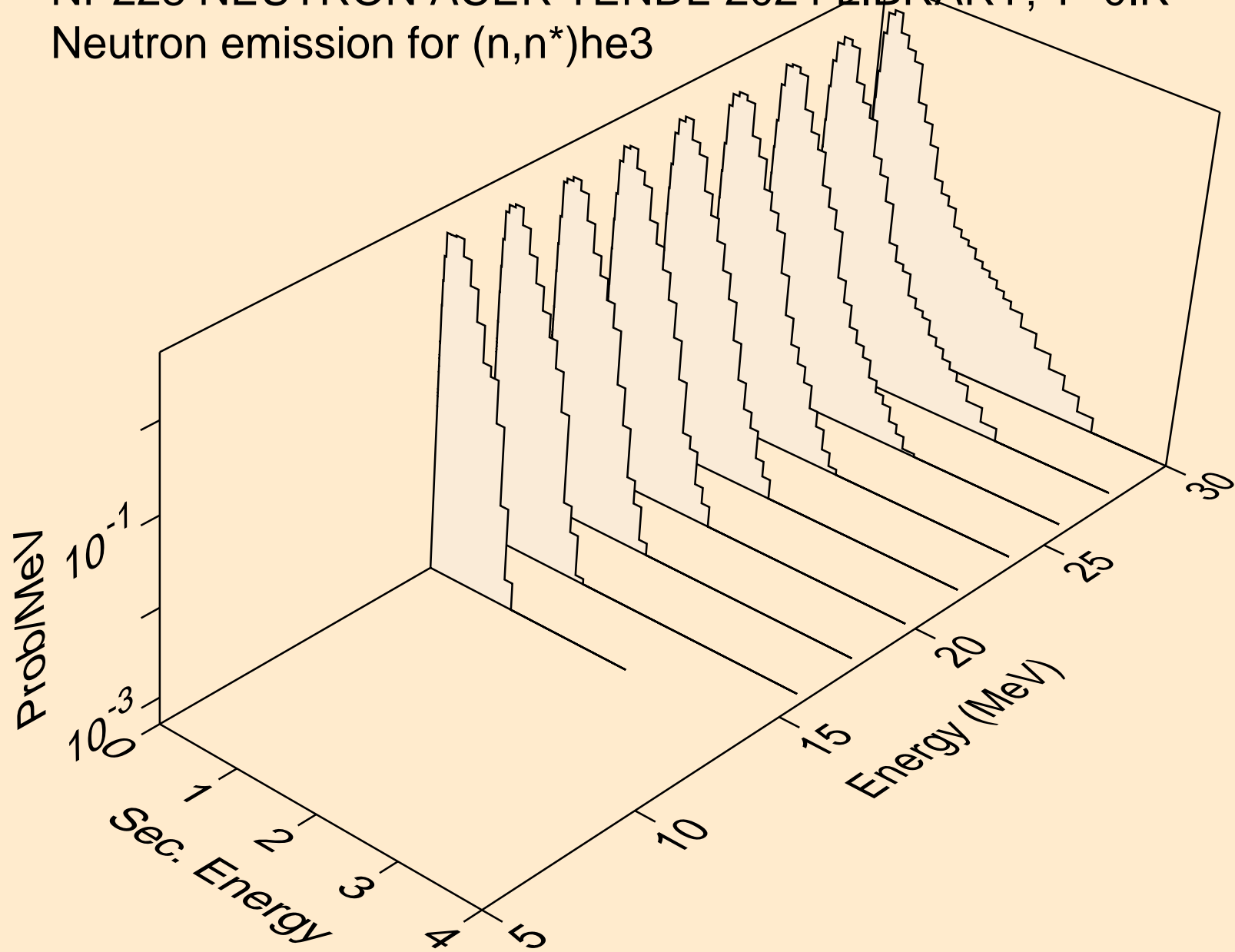
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



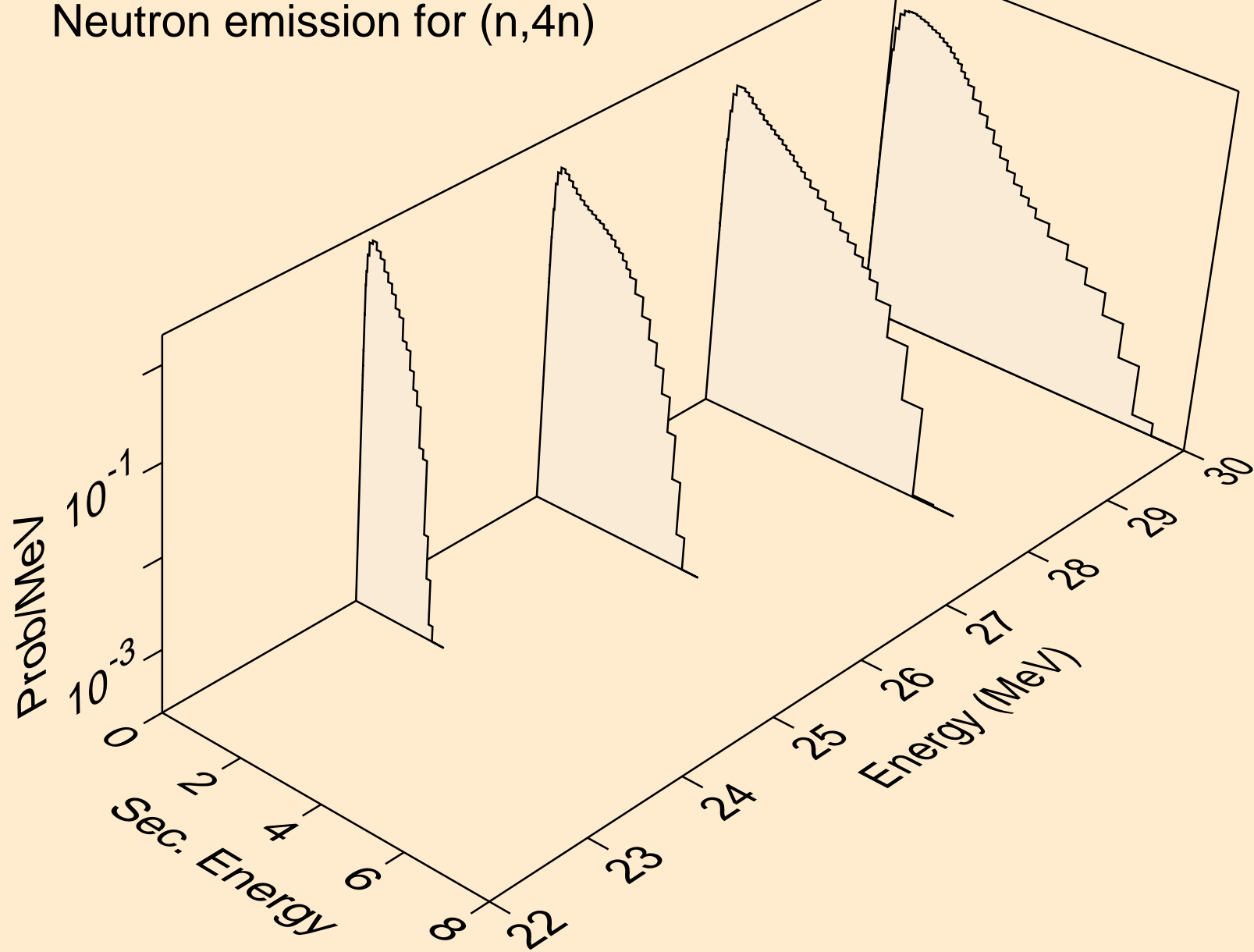
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



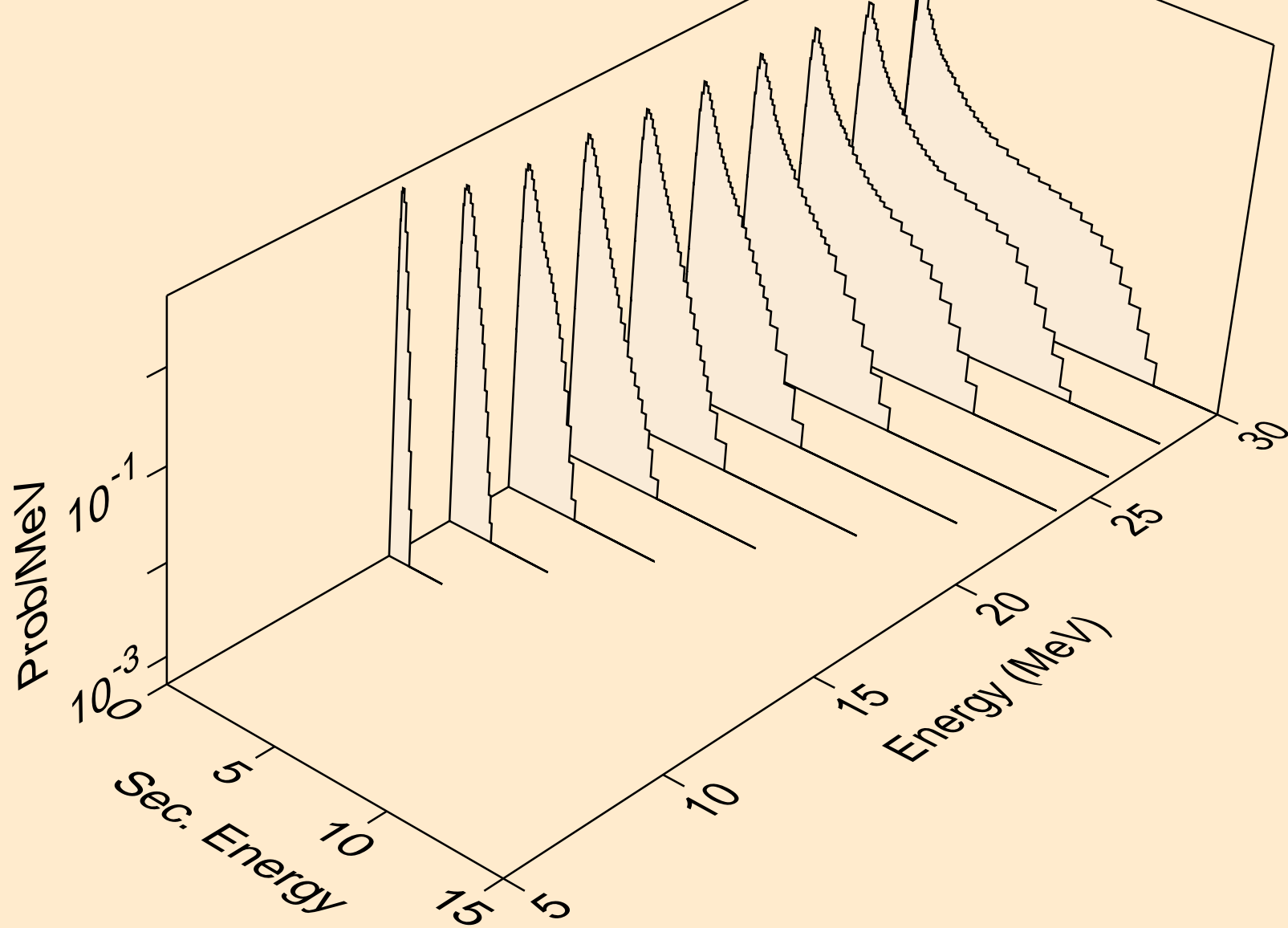
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



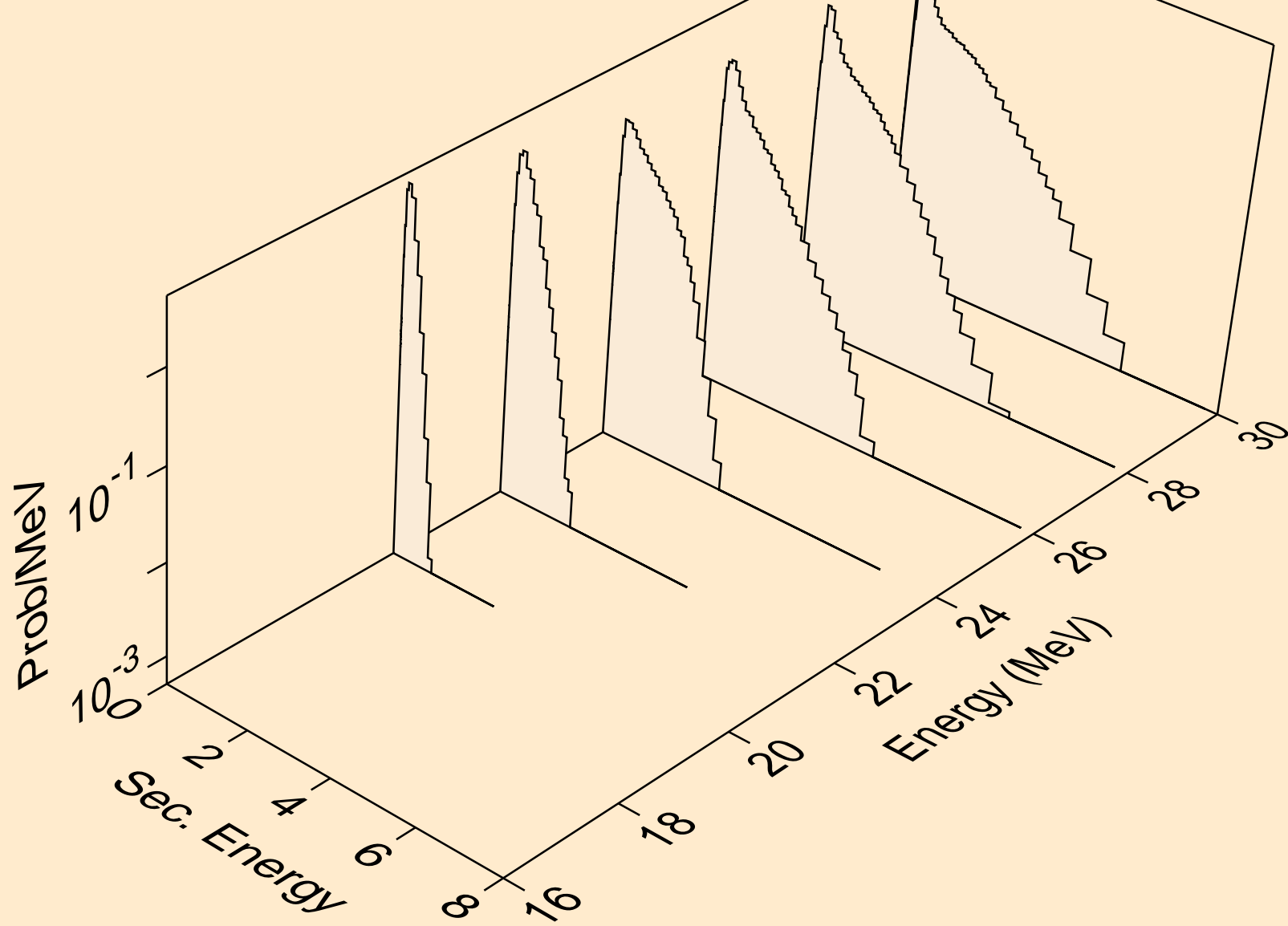
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)



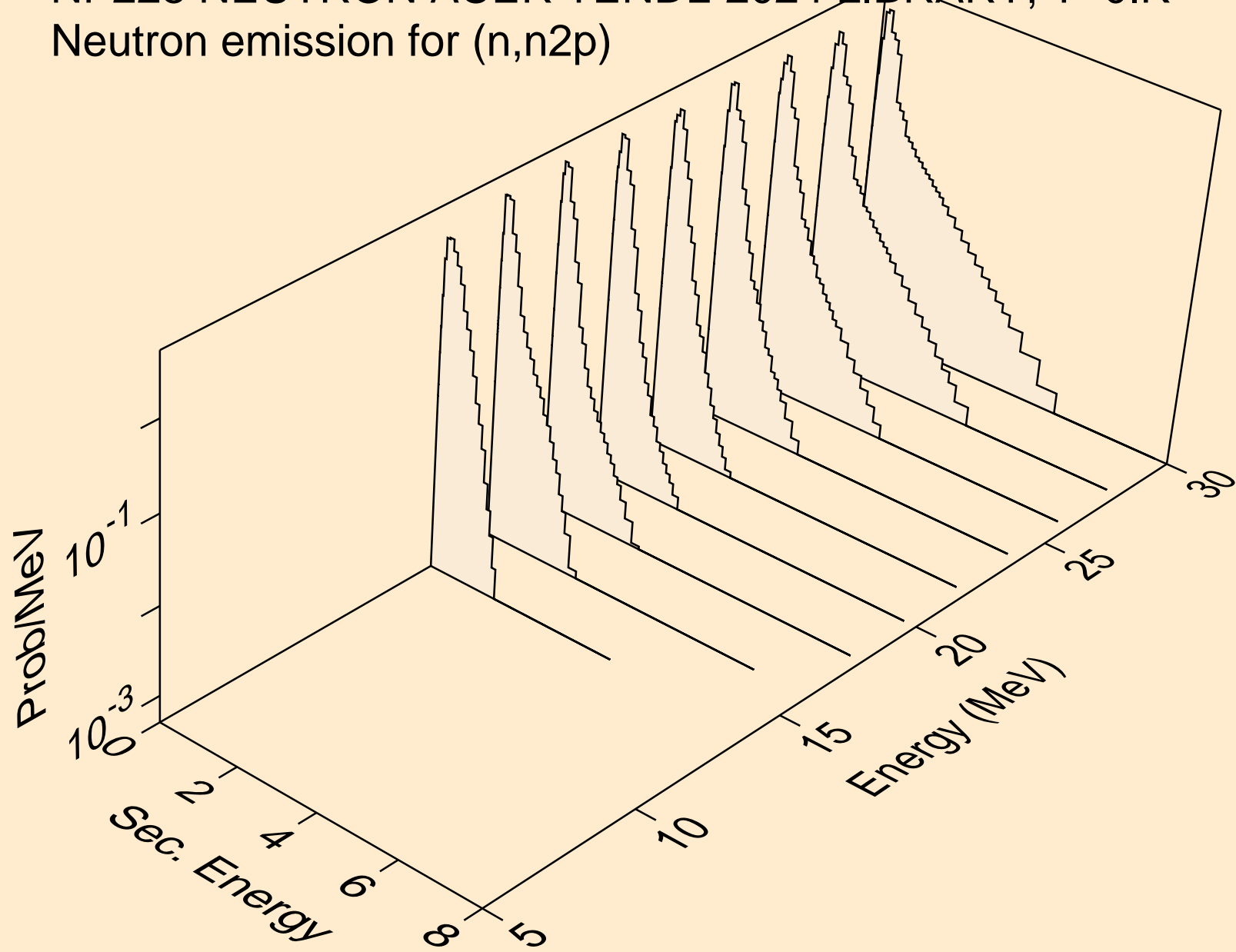
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



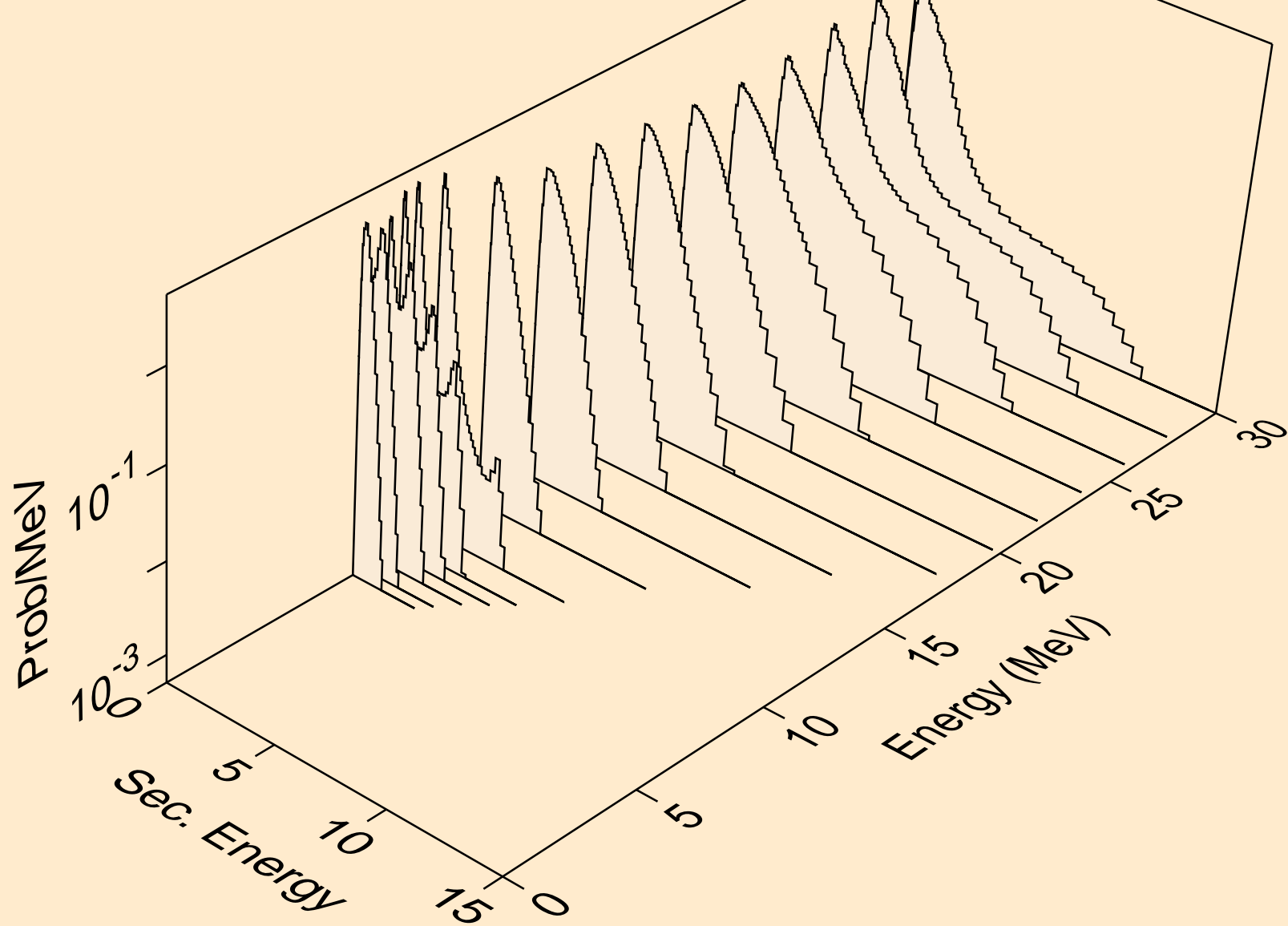
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)



NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)

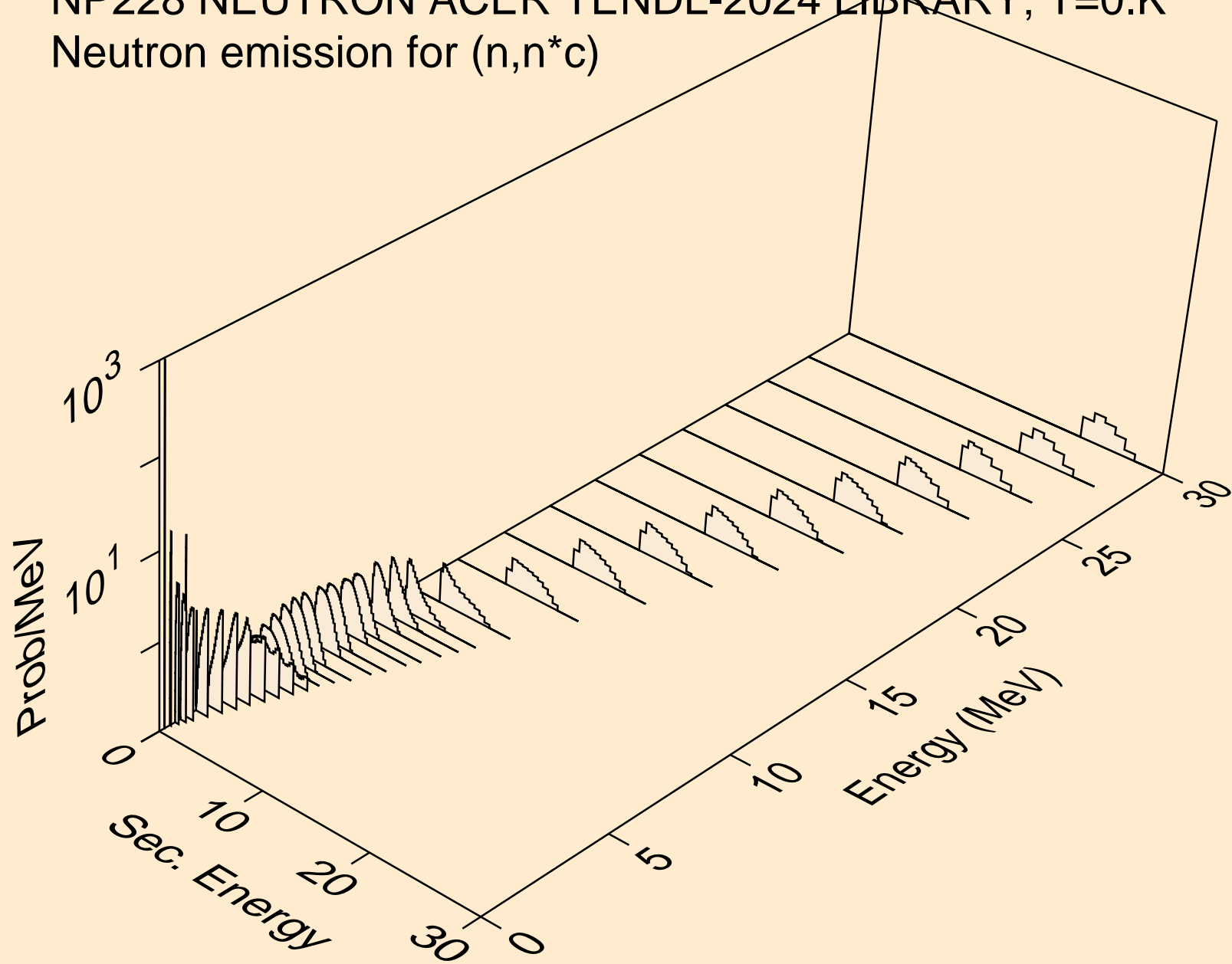


NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)



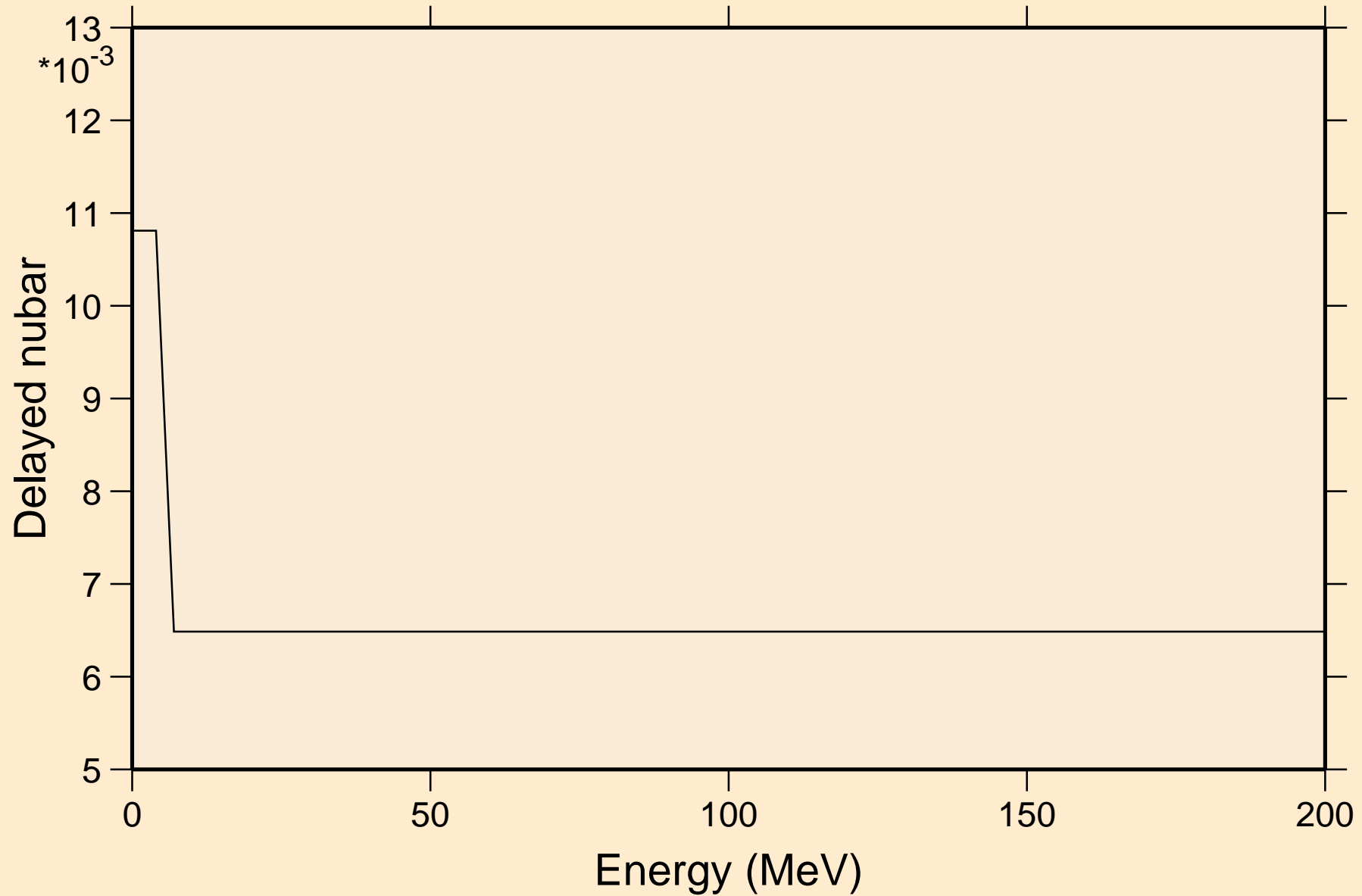


NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



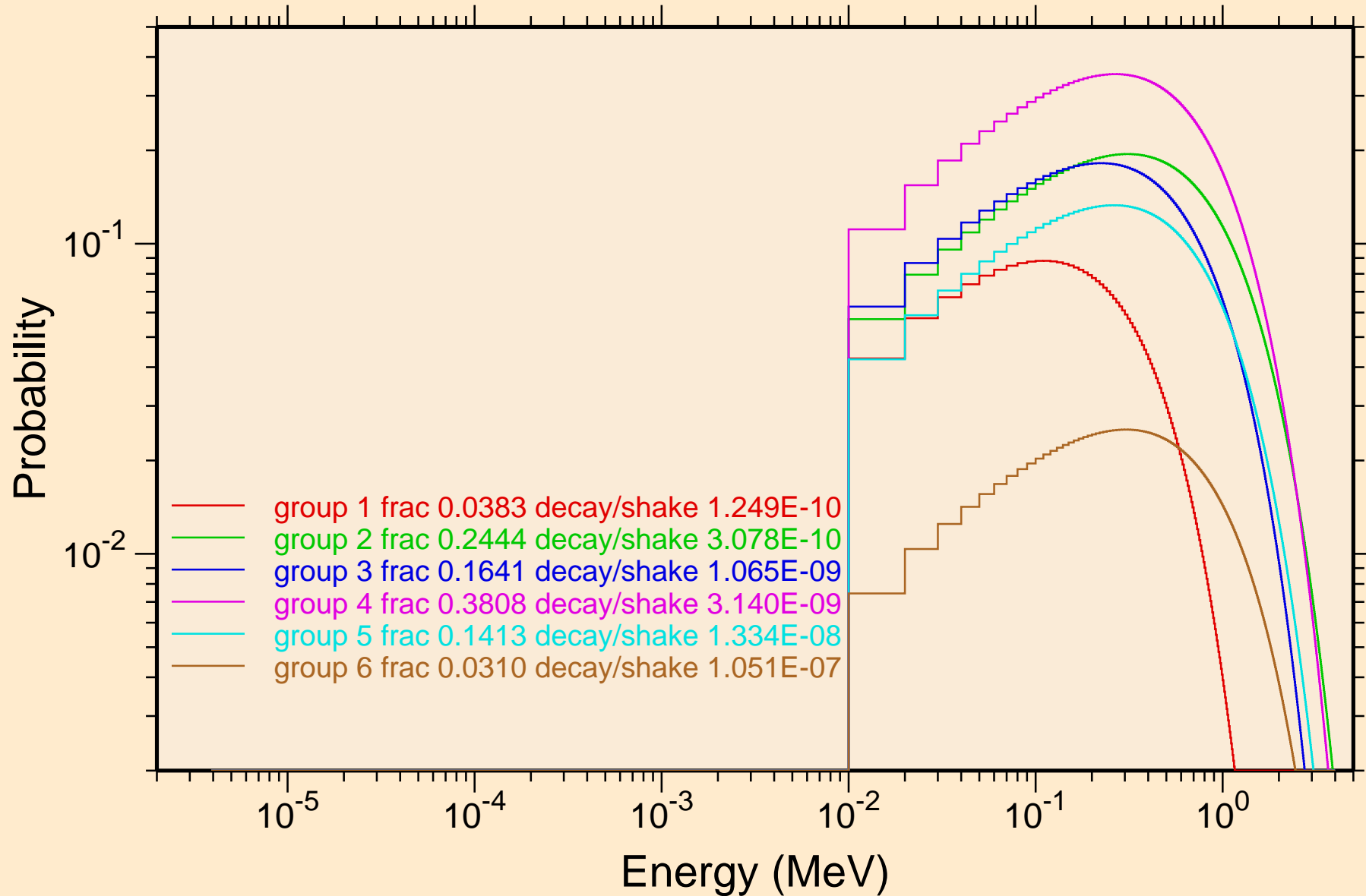
# NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Delayed nubar

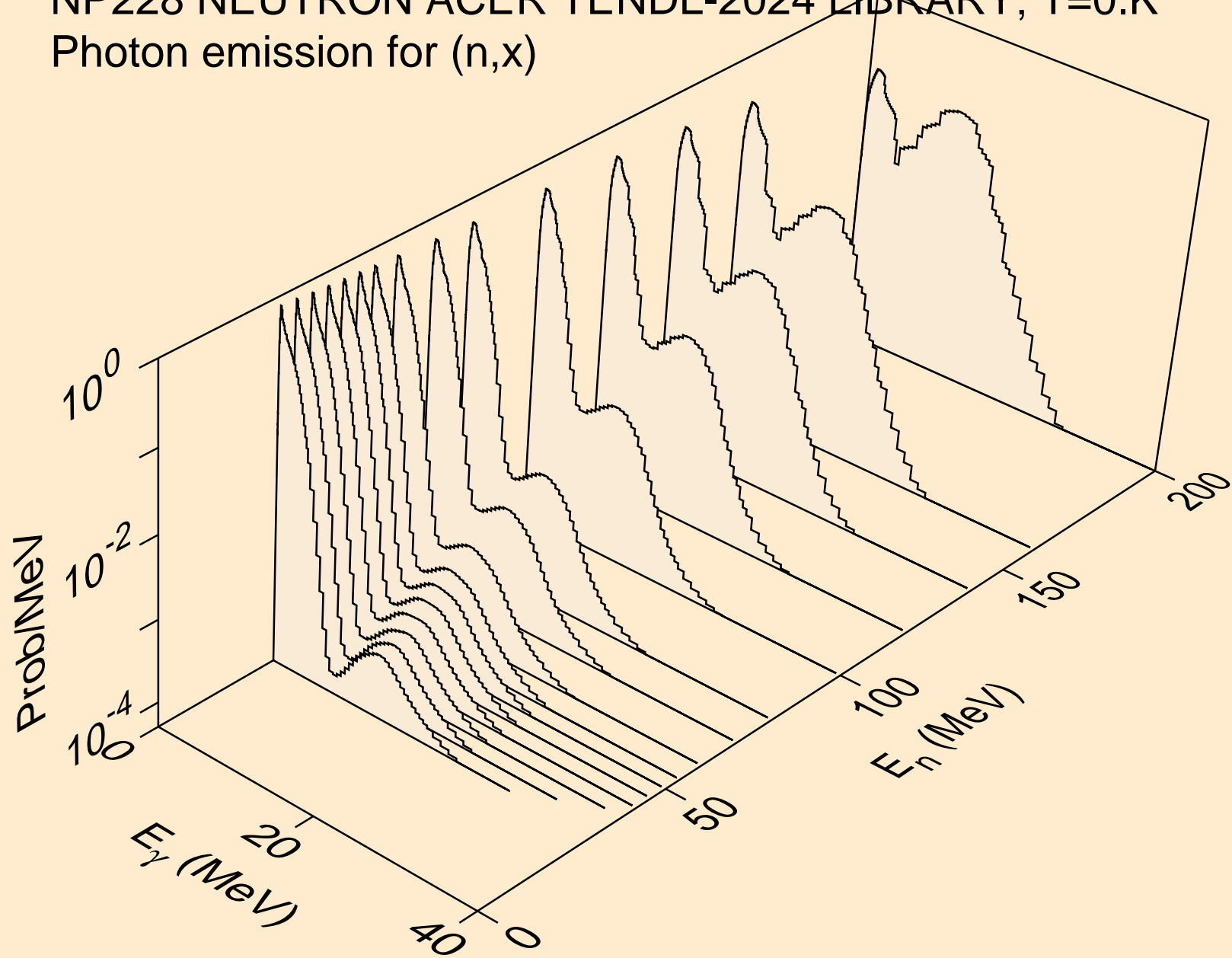


# NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

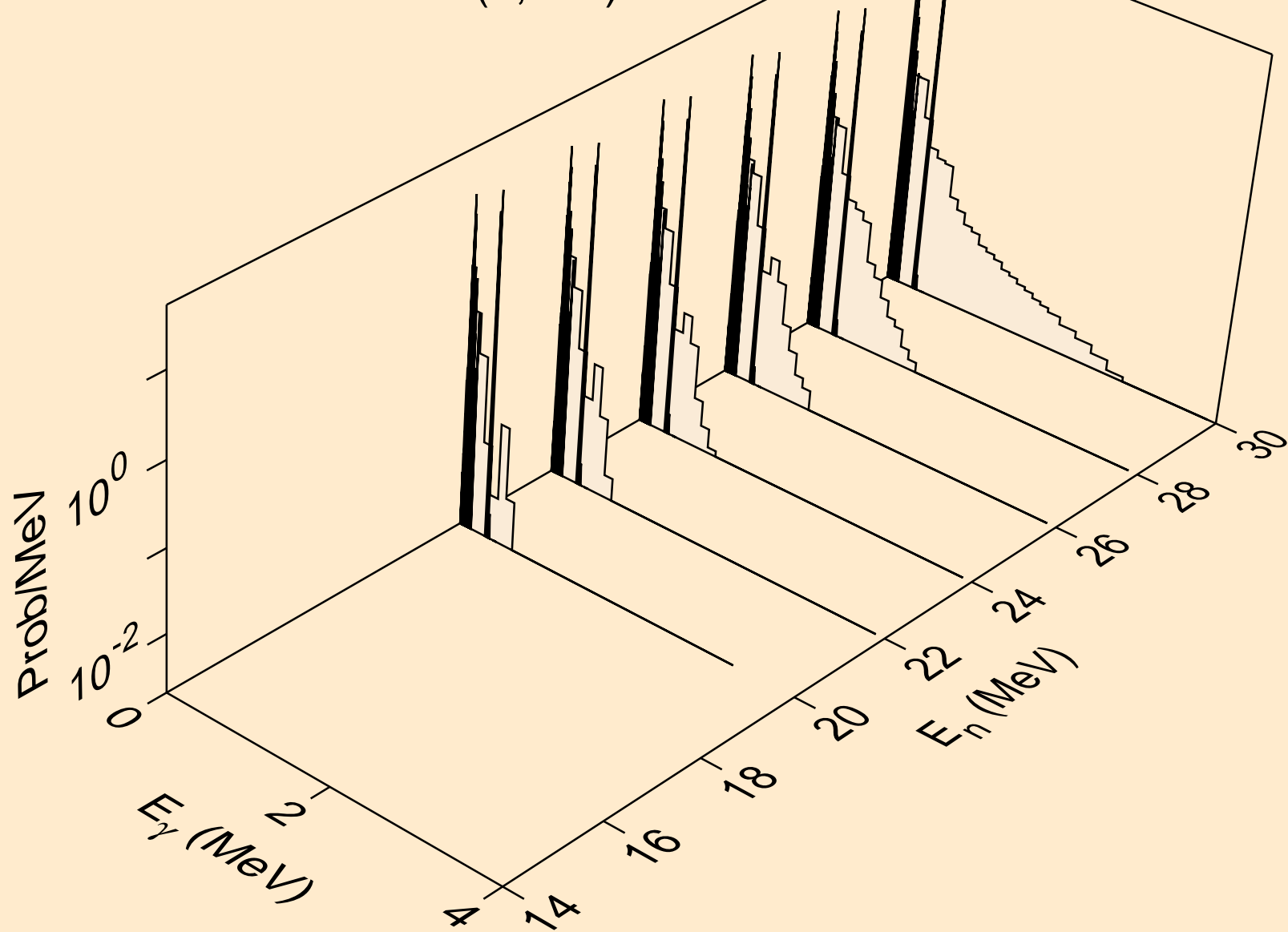
## Delayed neutron spectra



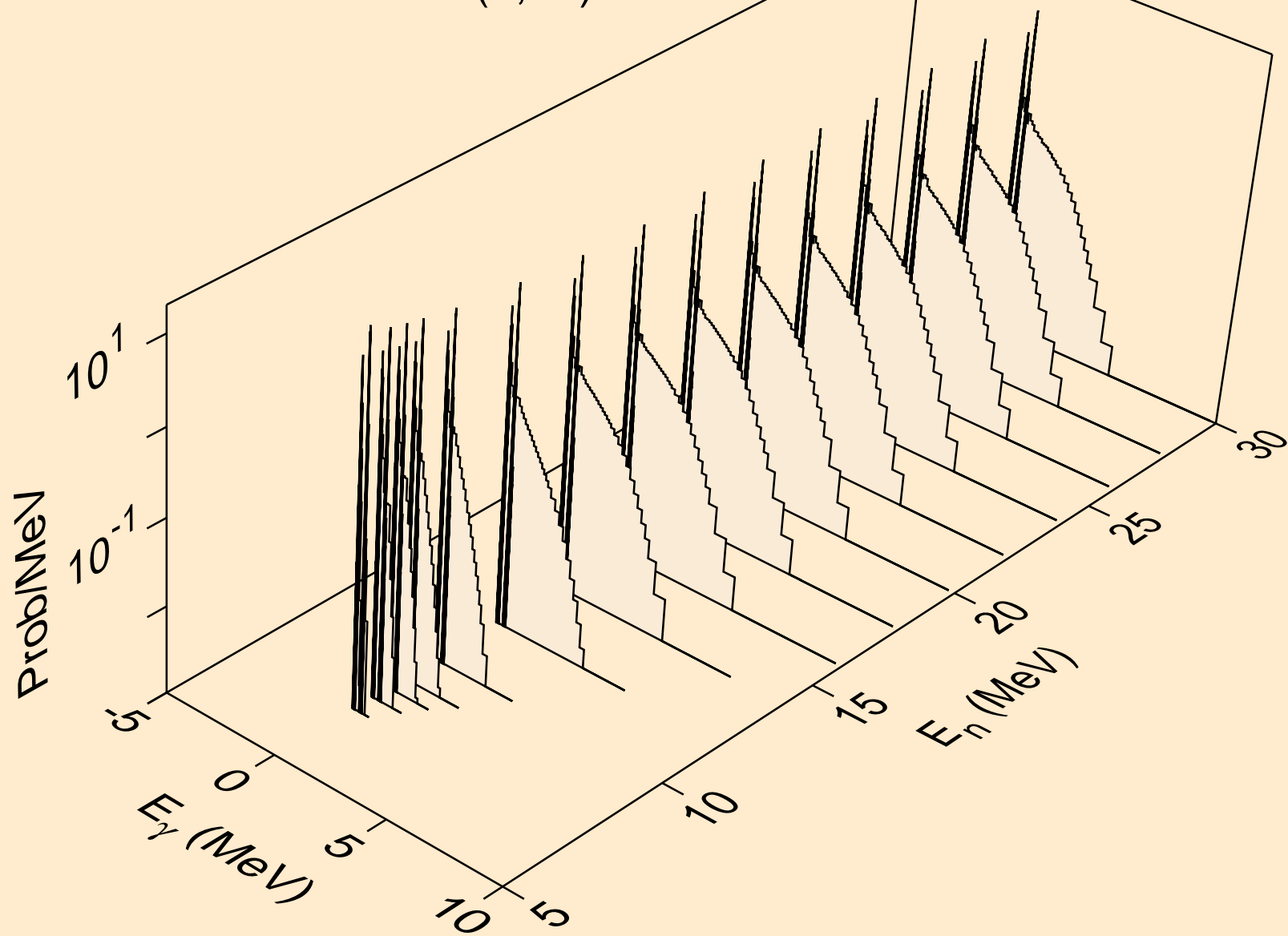
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



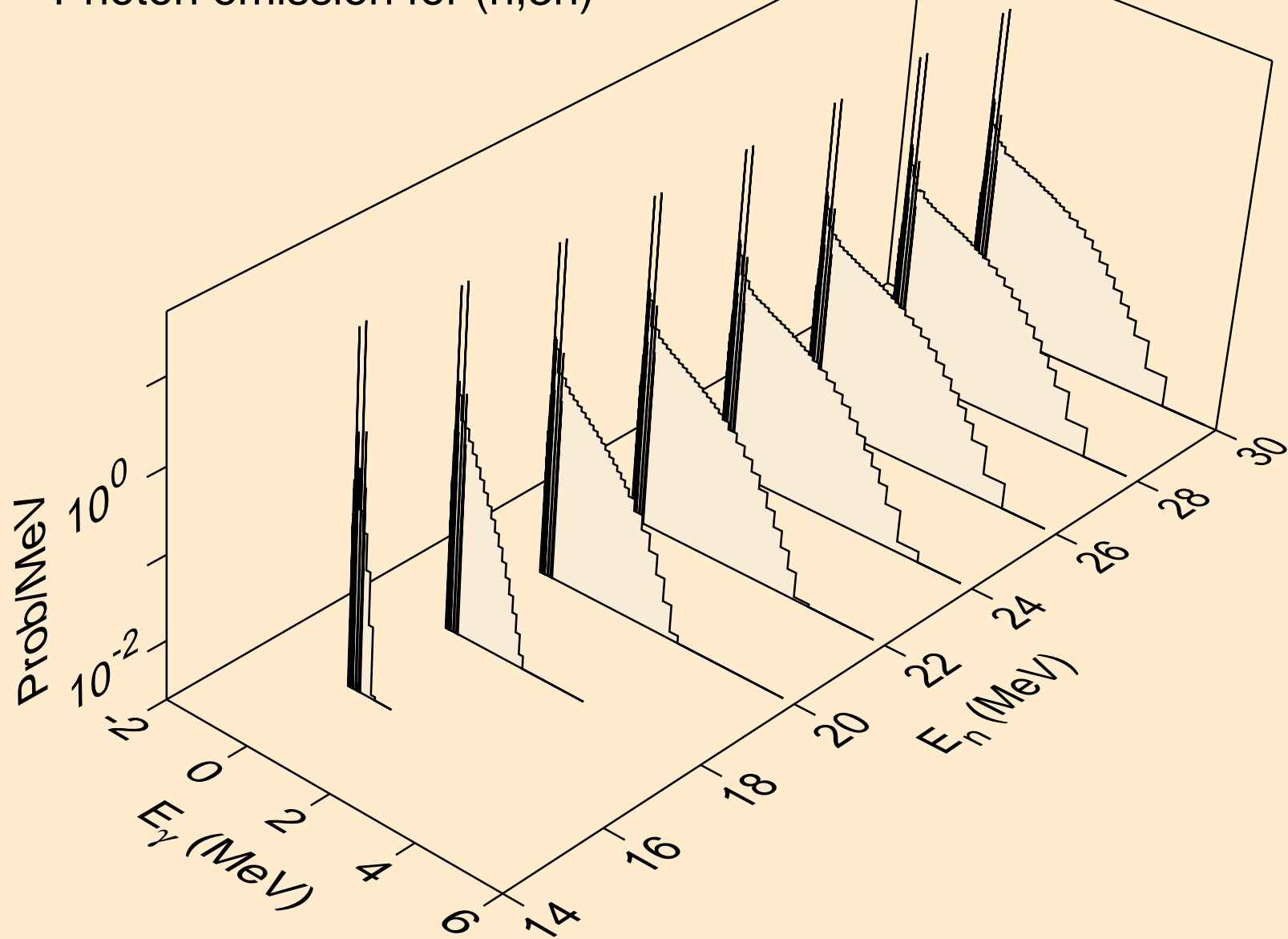
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



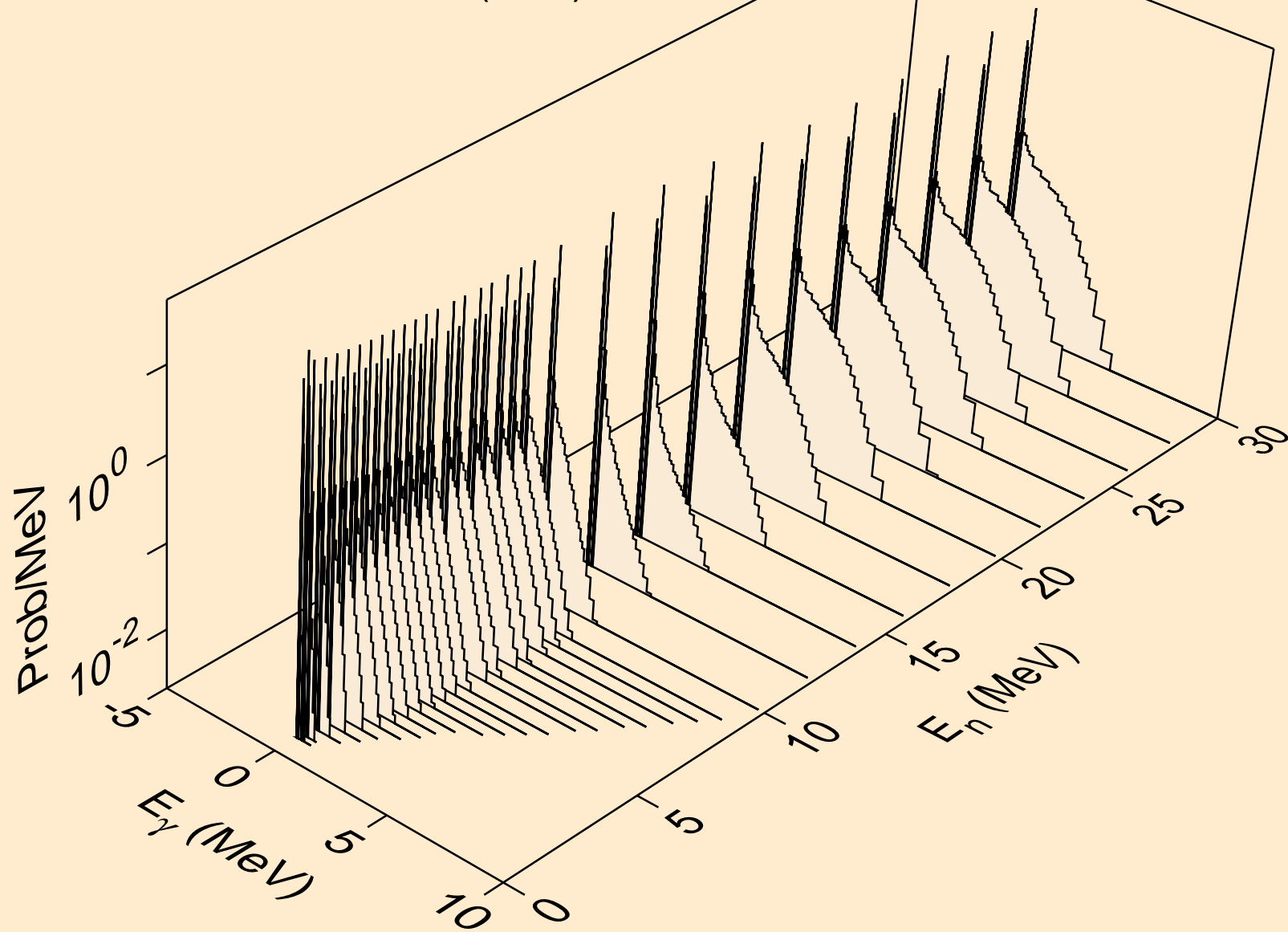
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)

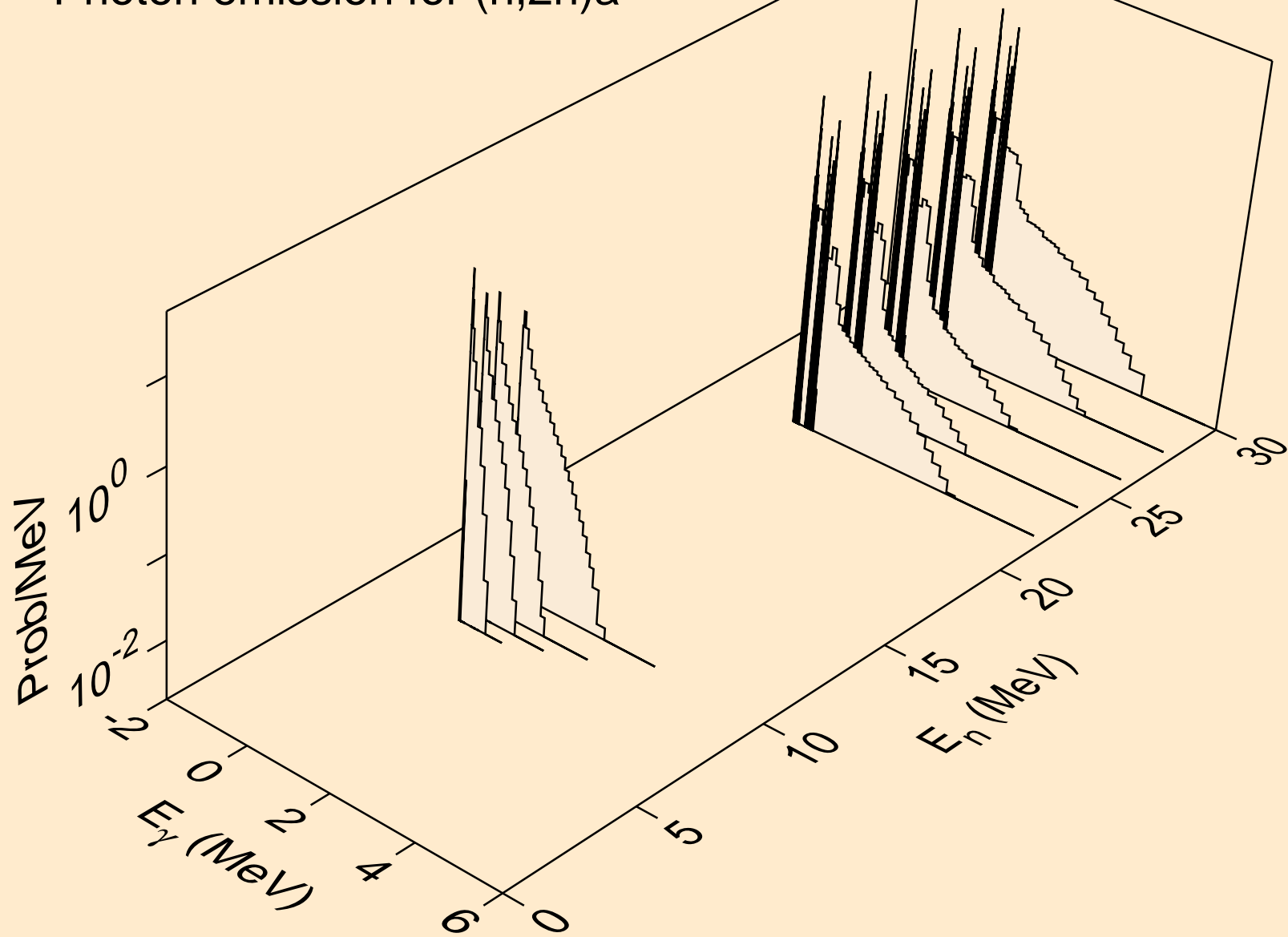


NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

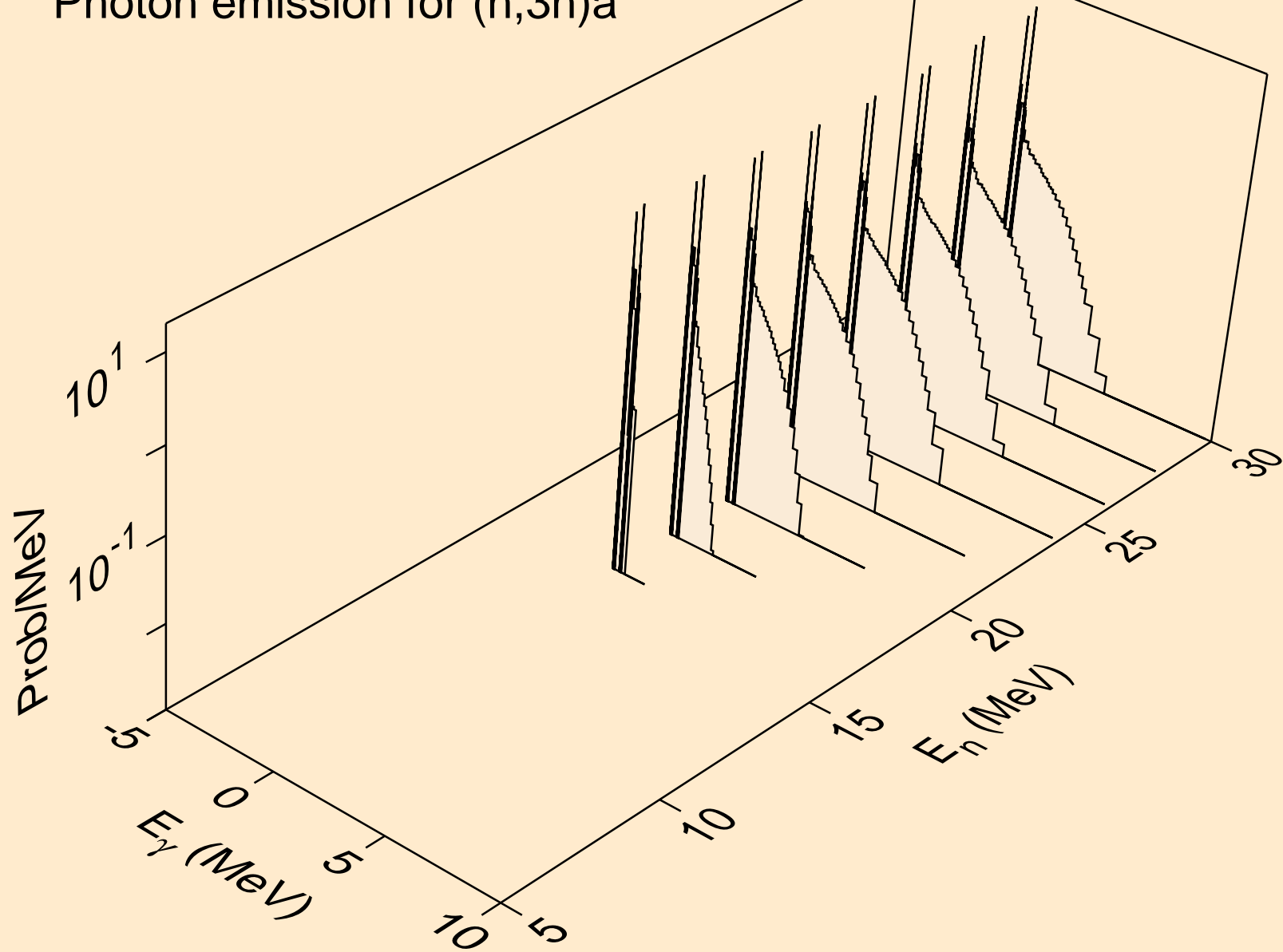




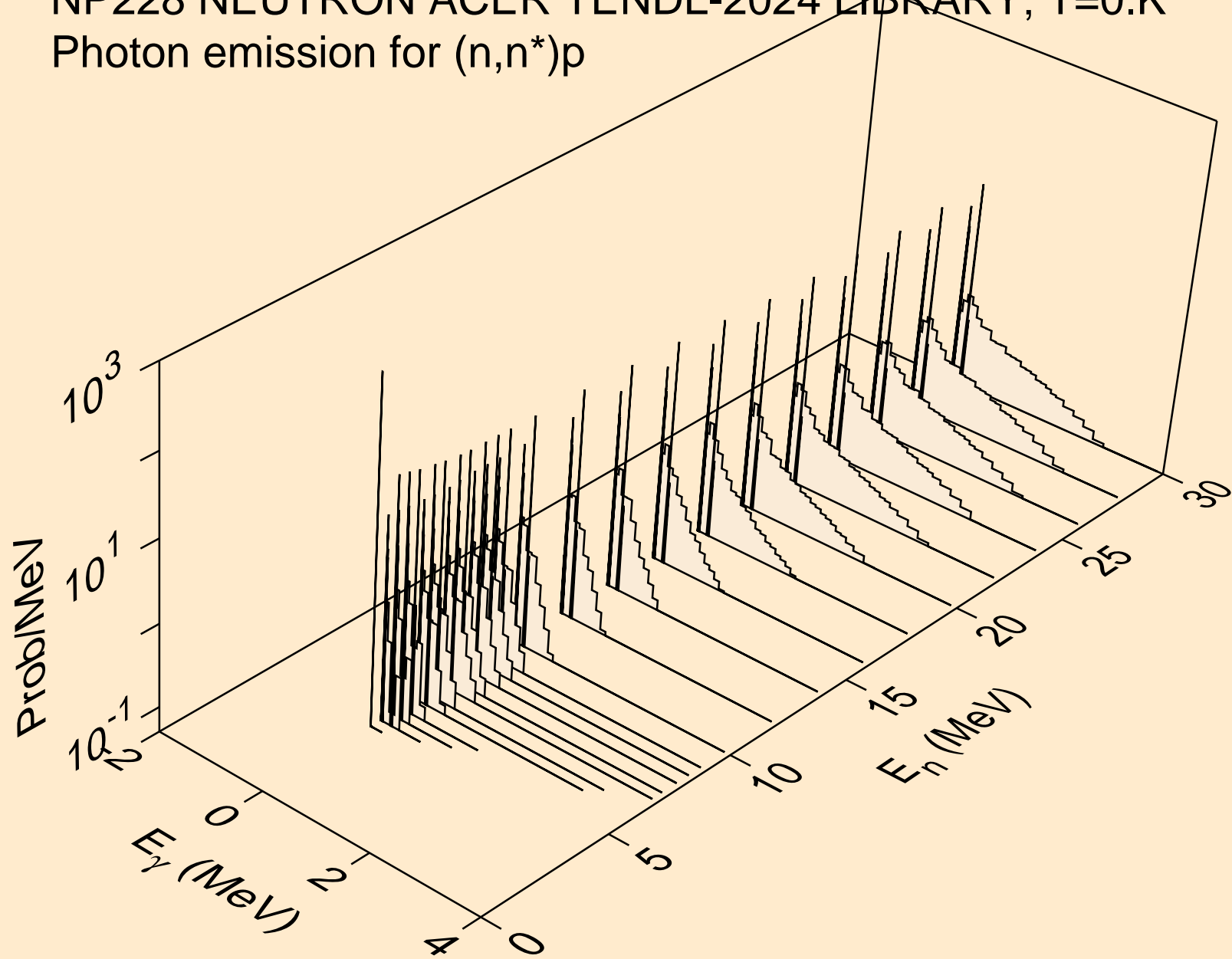
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



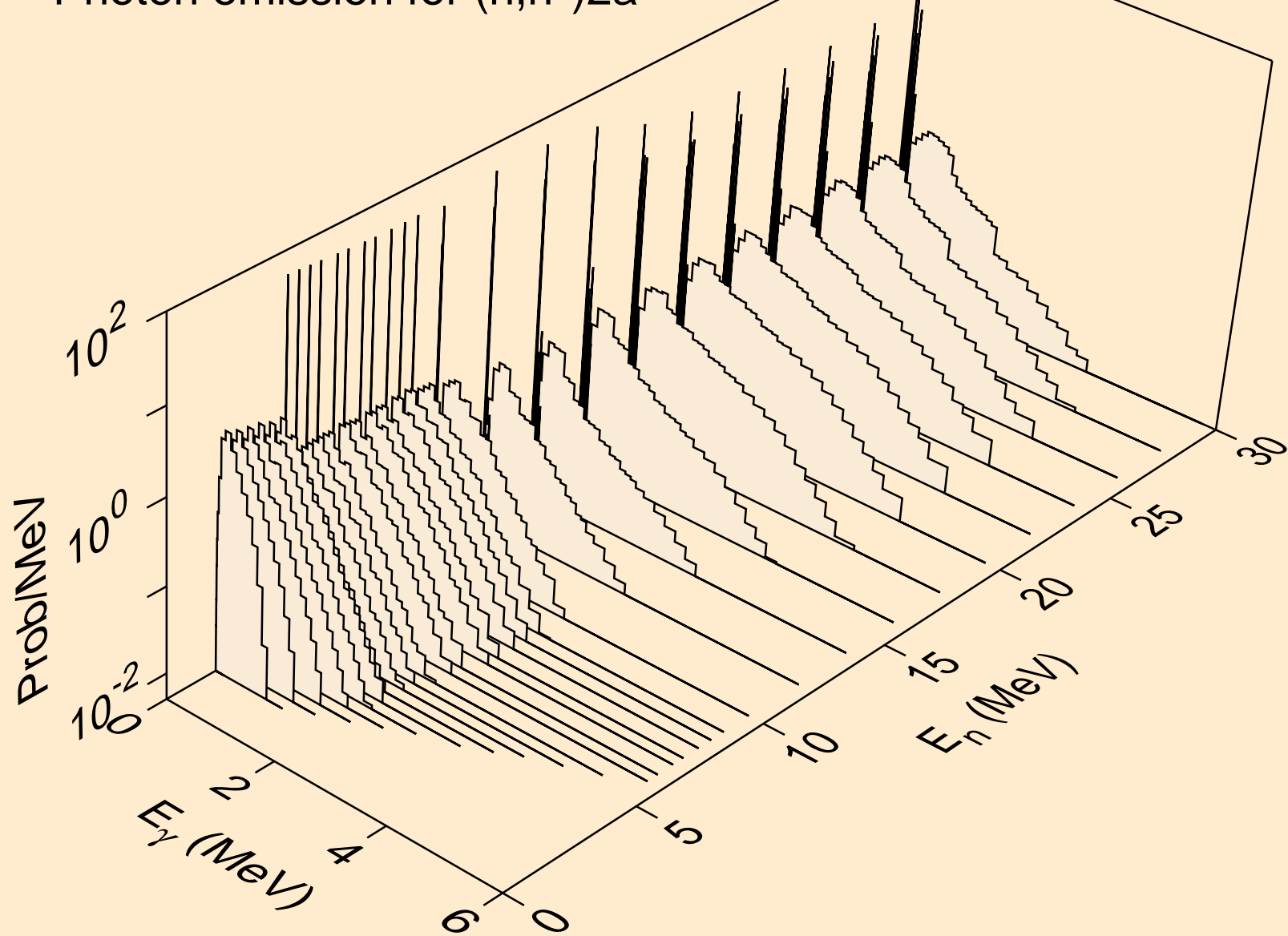
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a



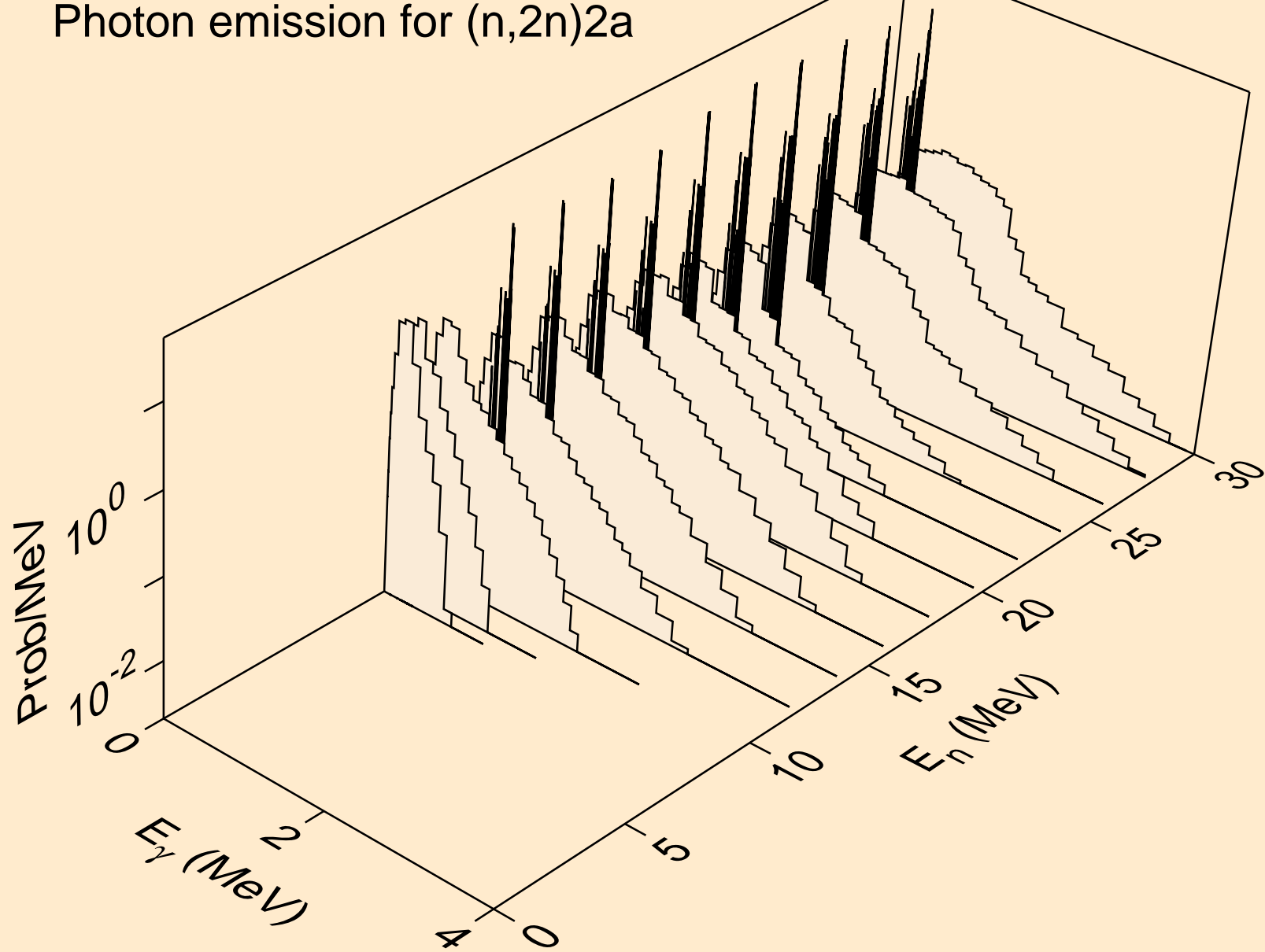
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



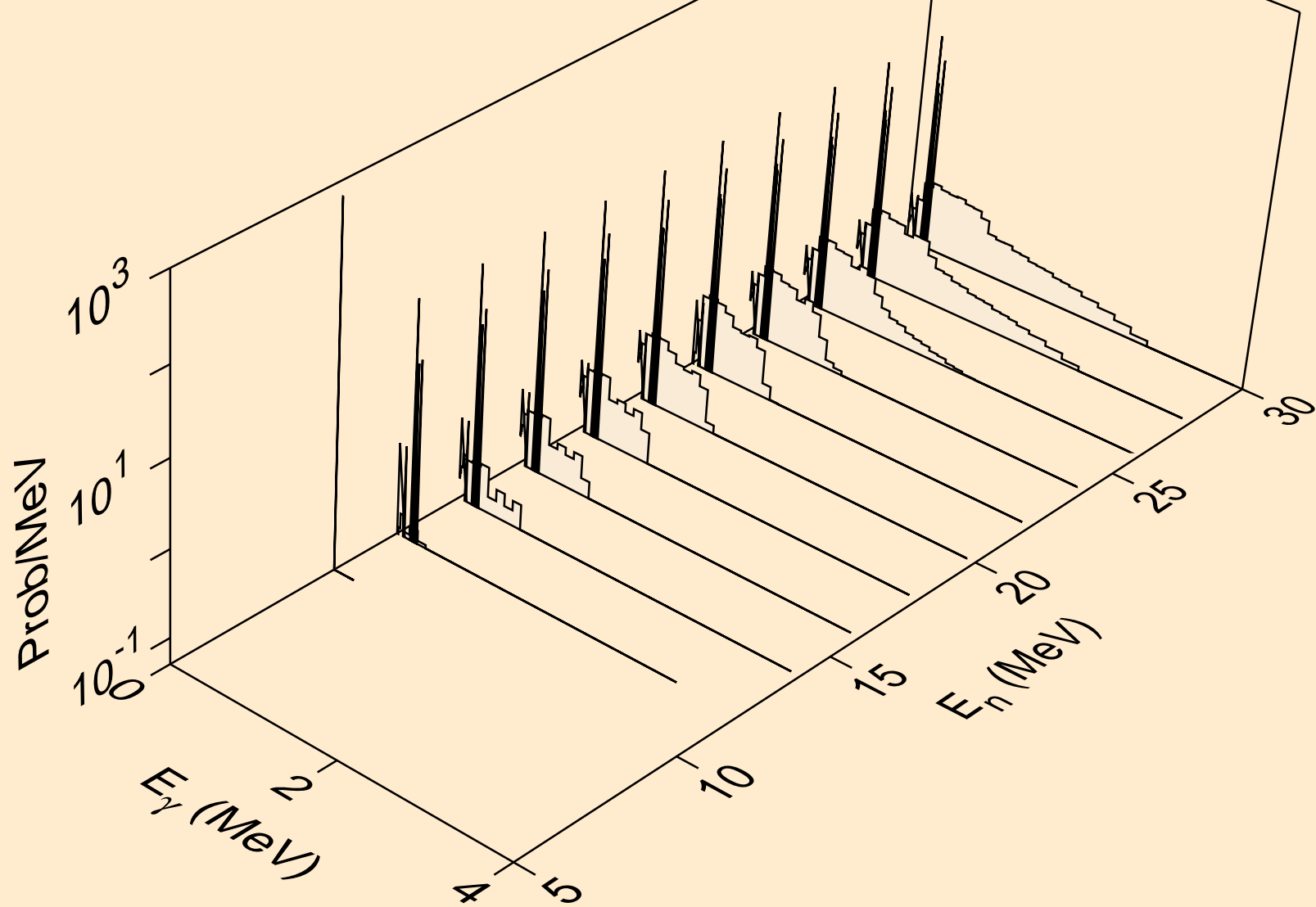
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



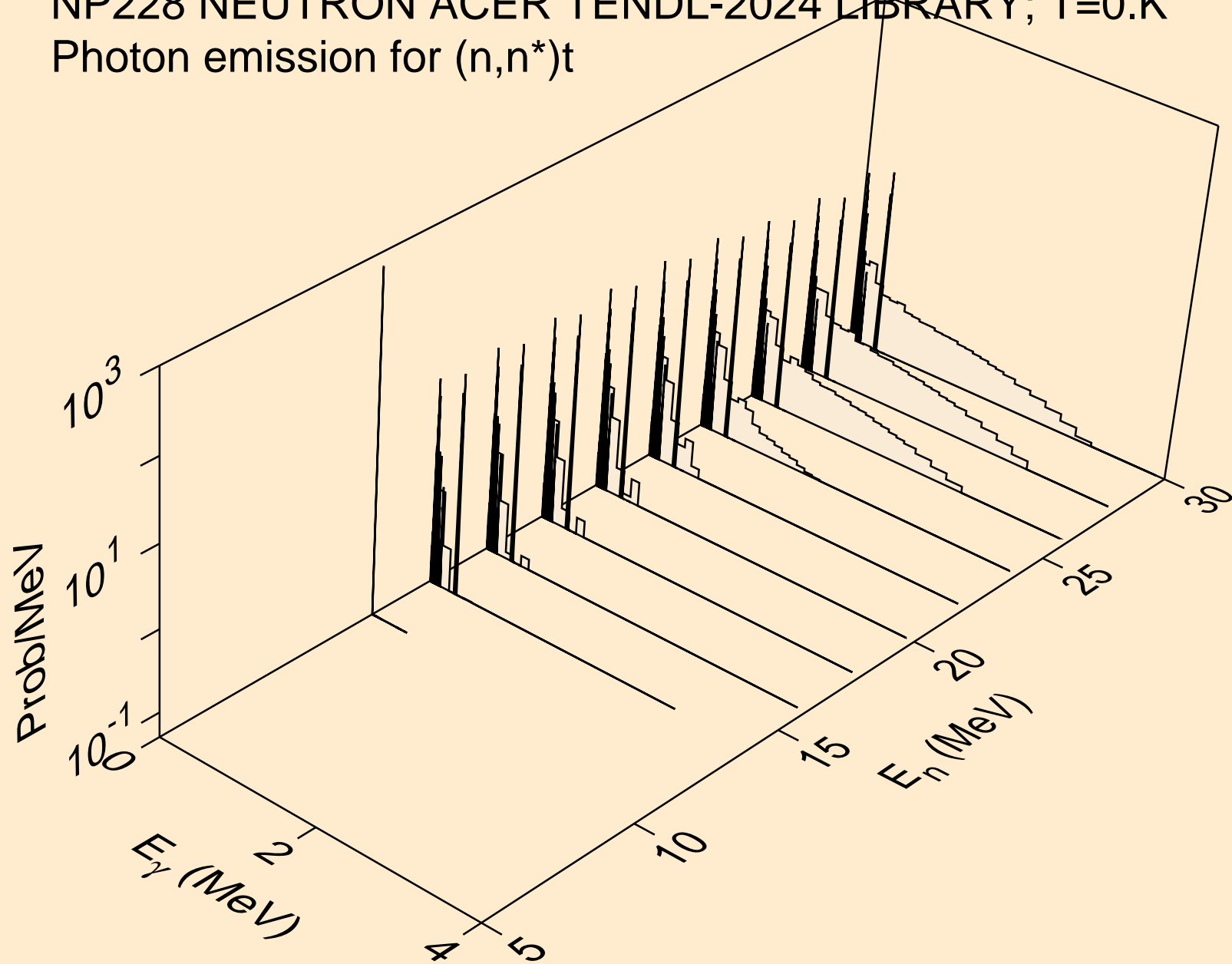
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



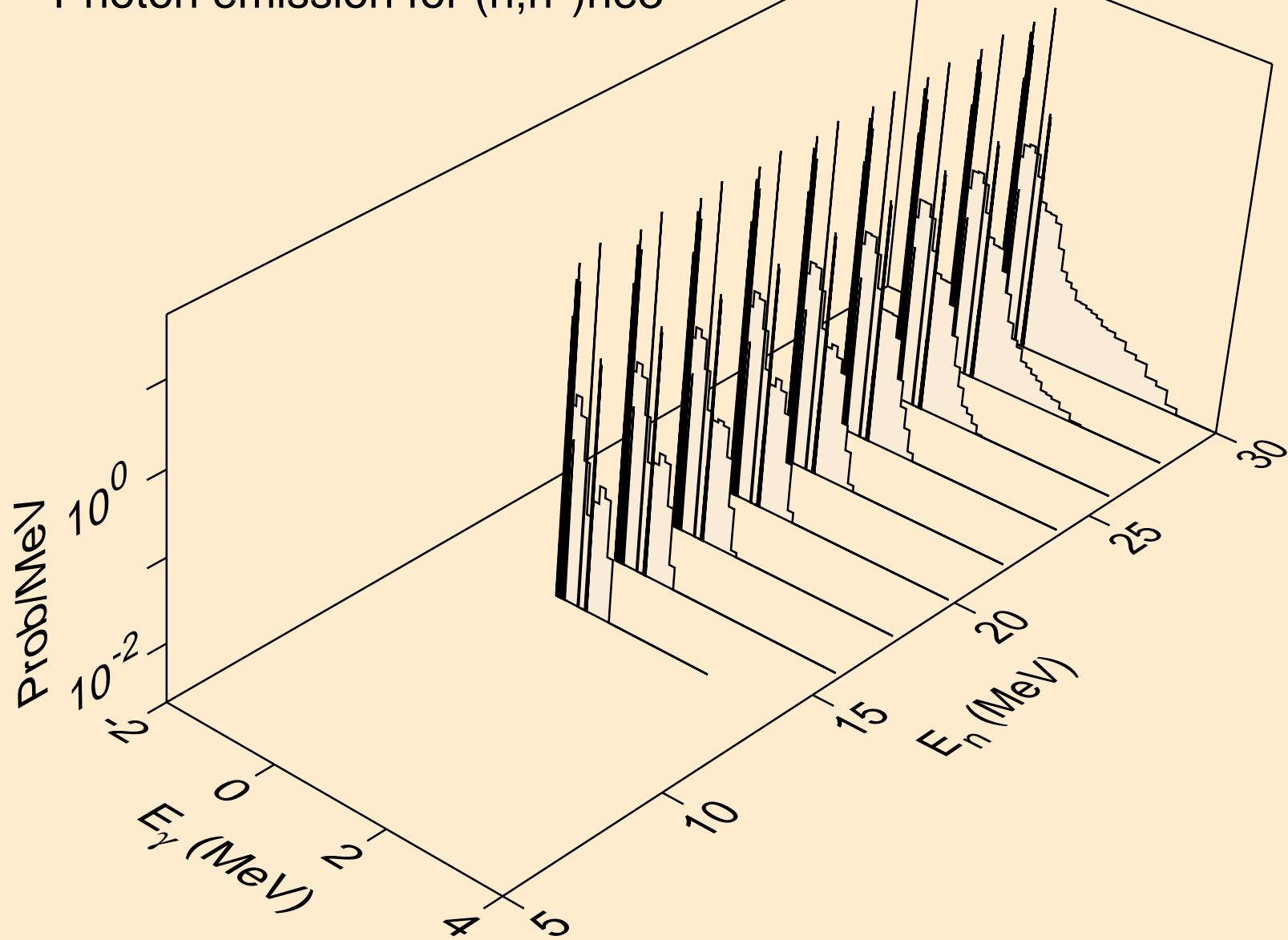
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

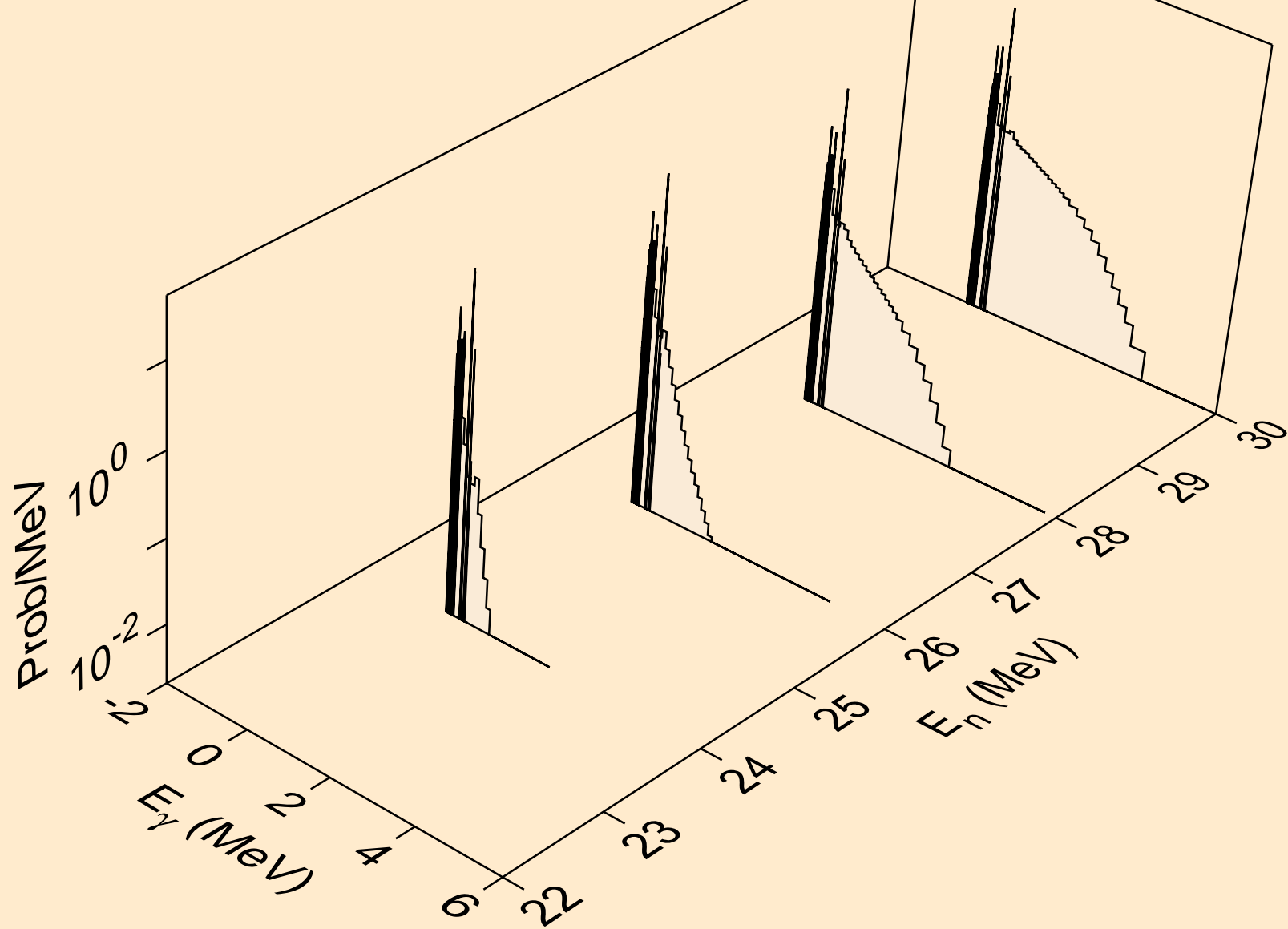


NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

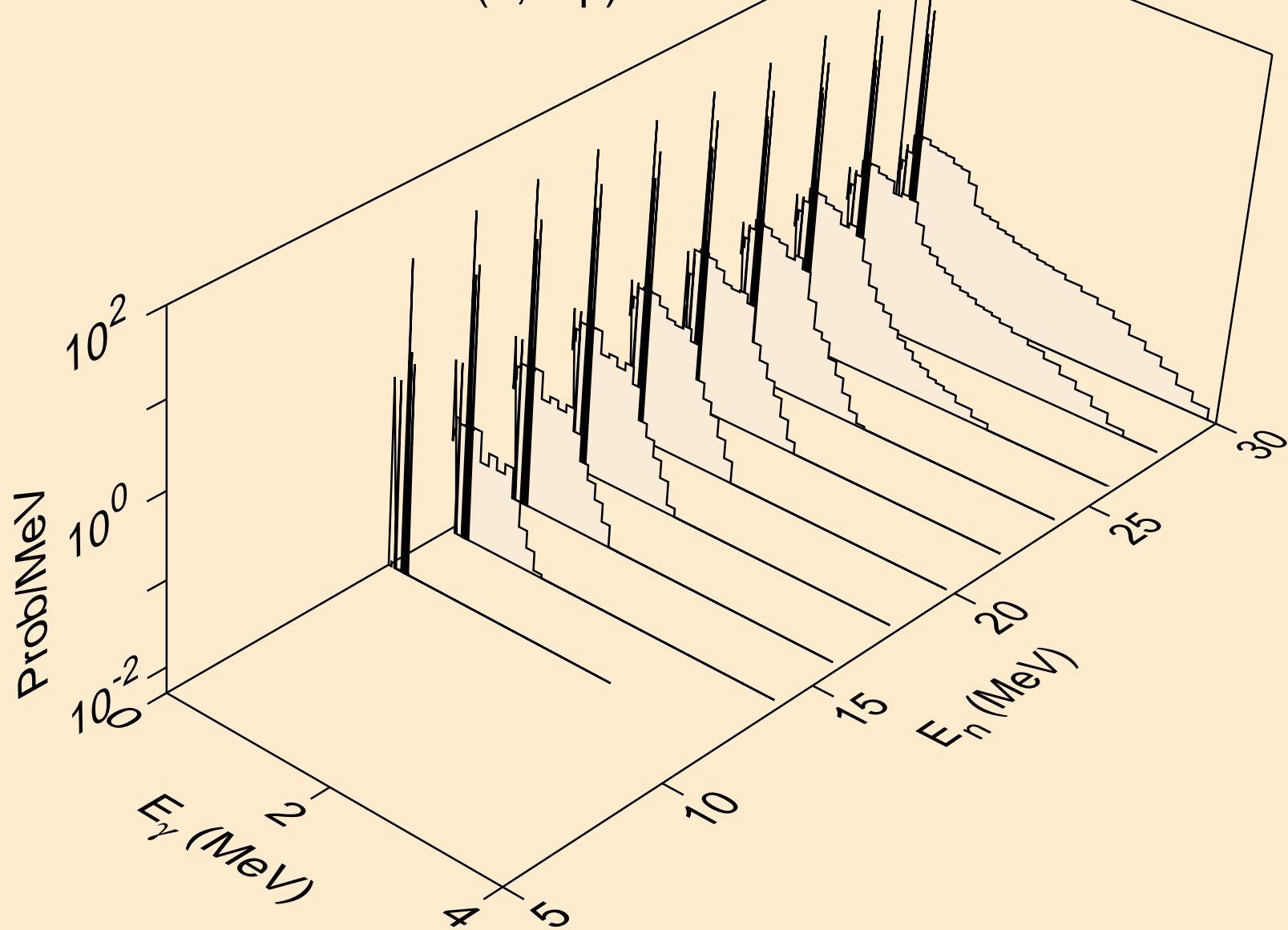




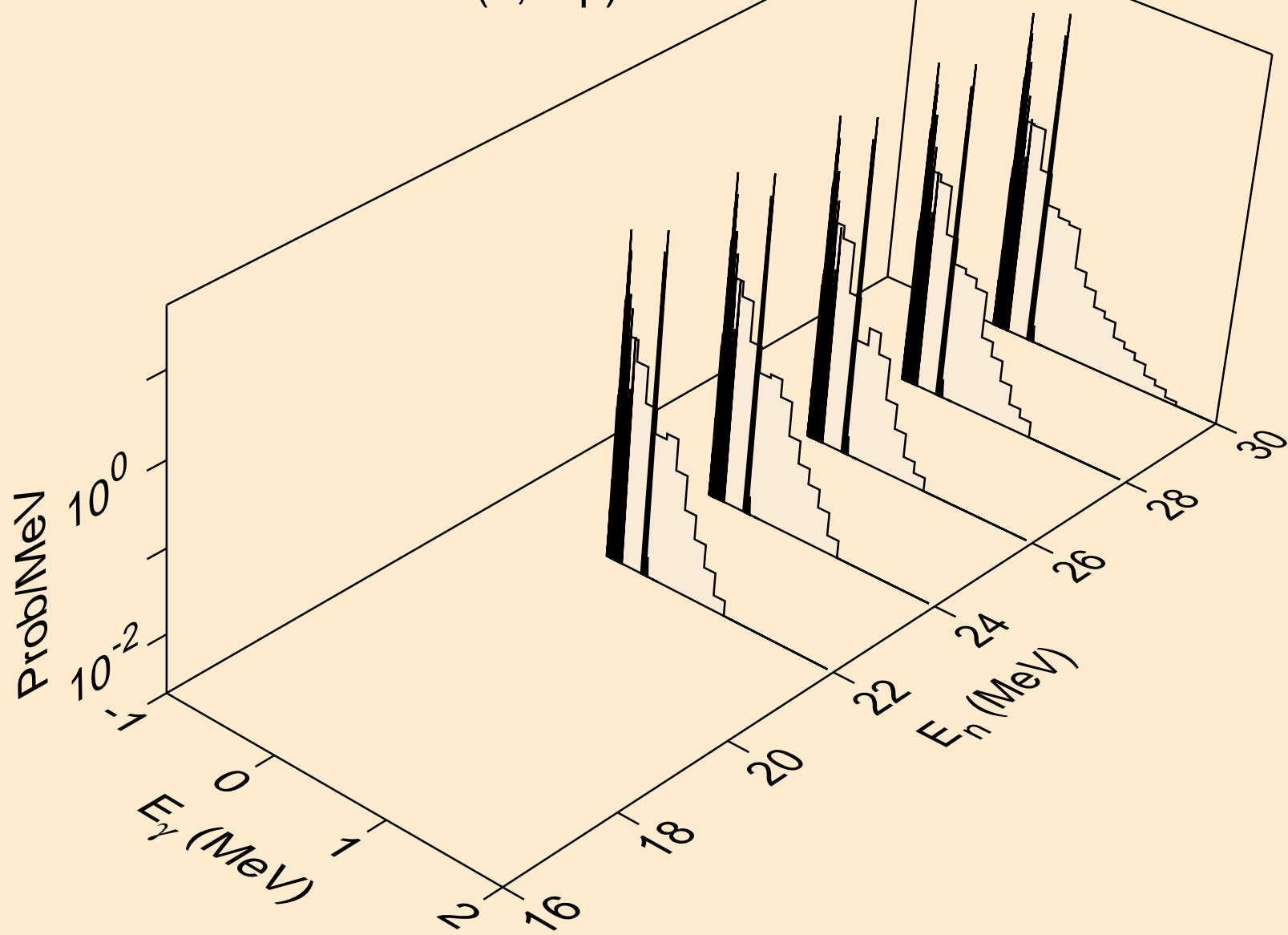
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



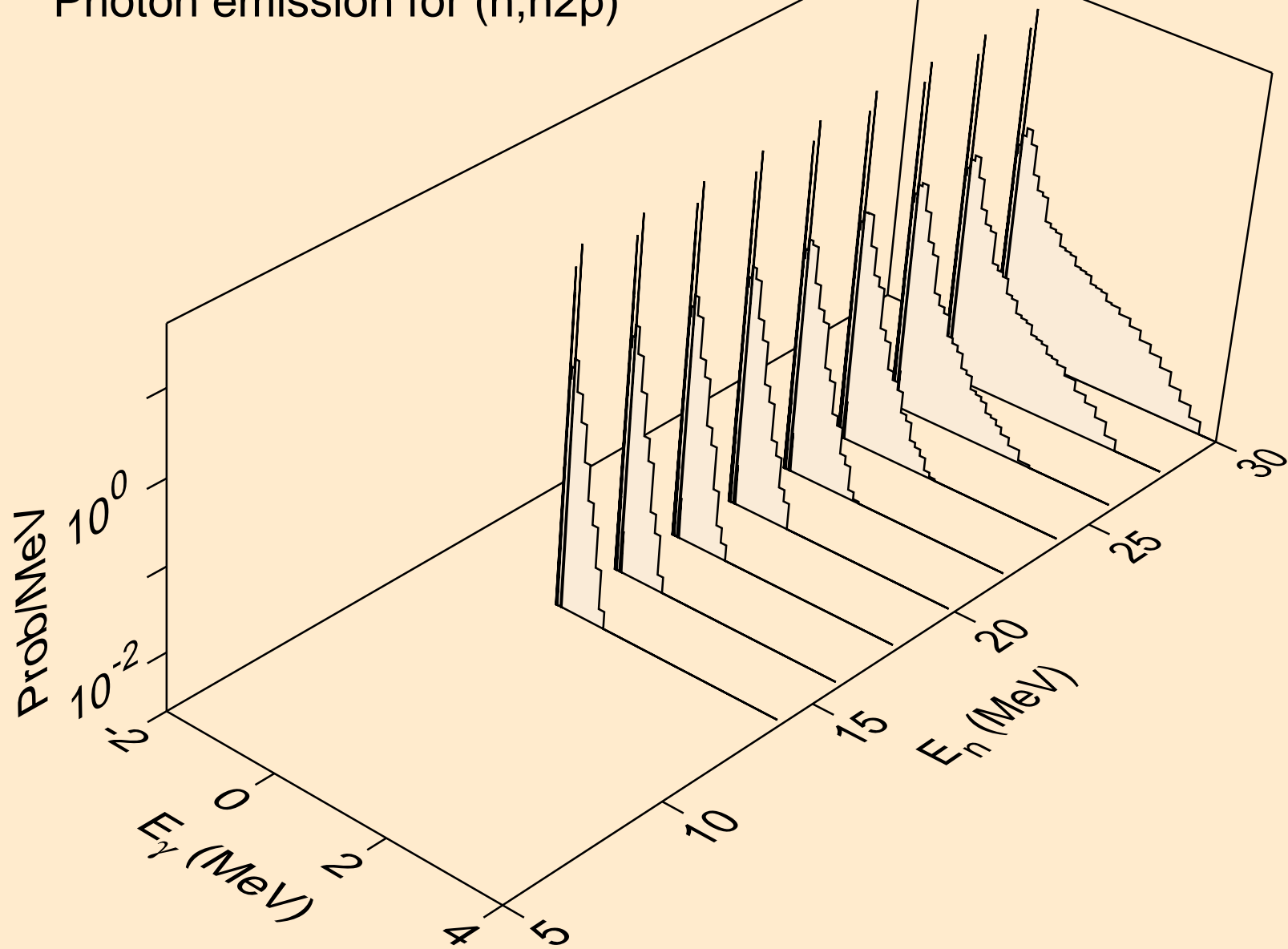
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



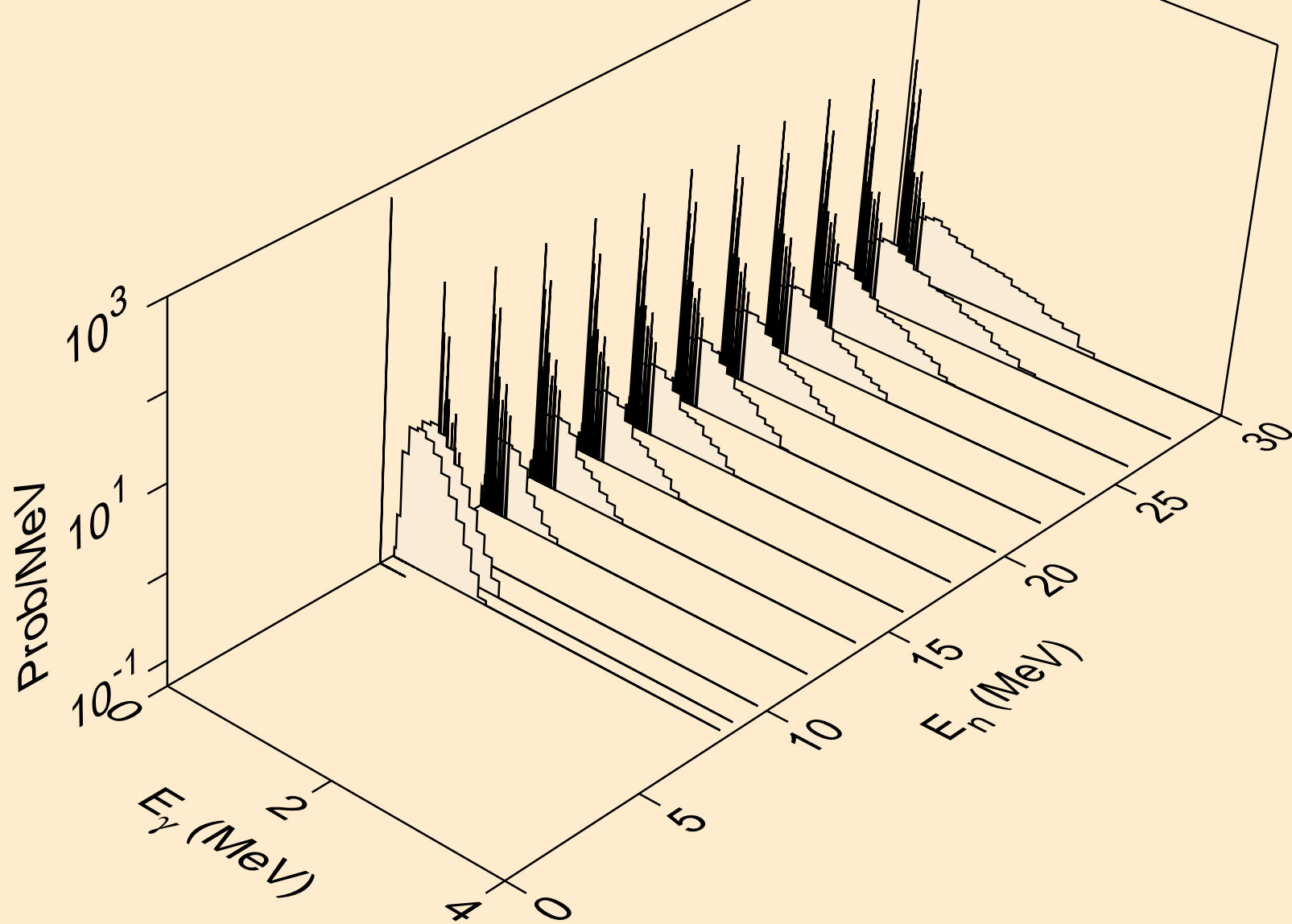
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)



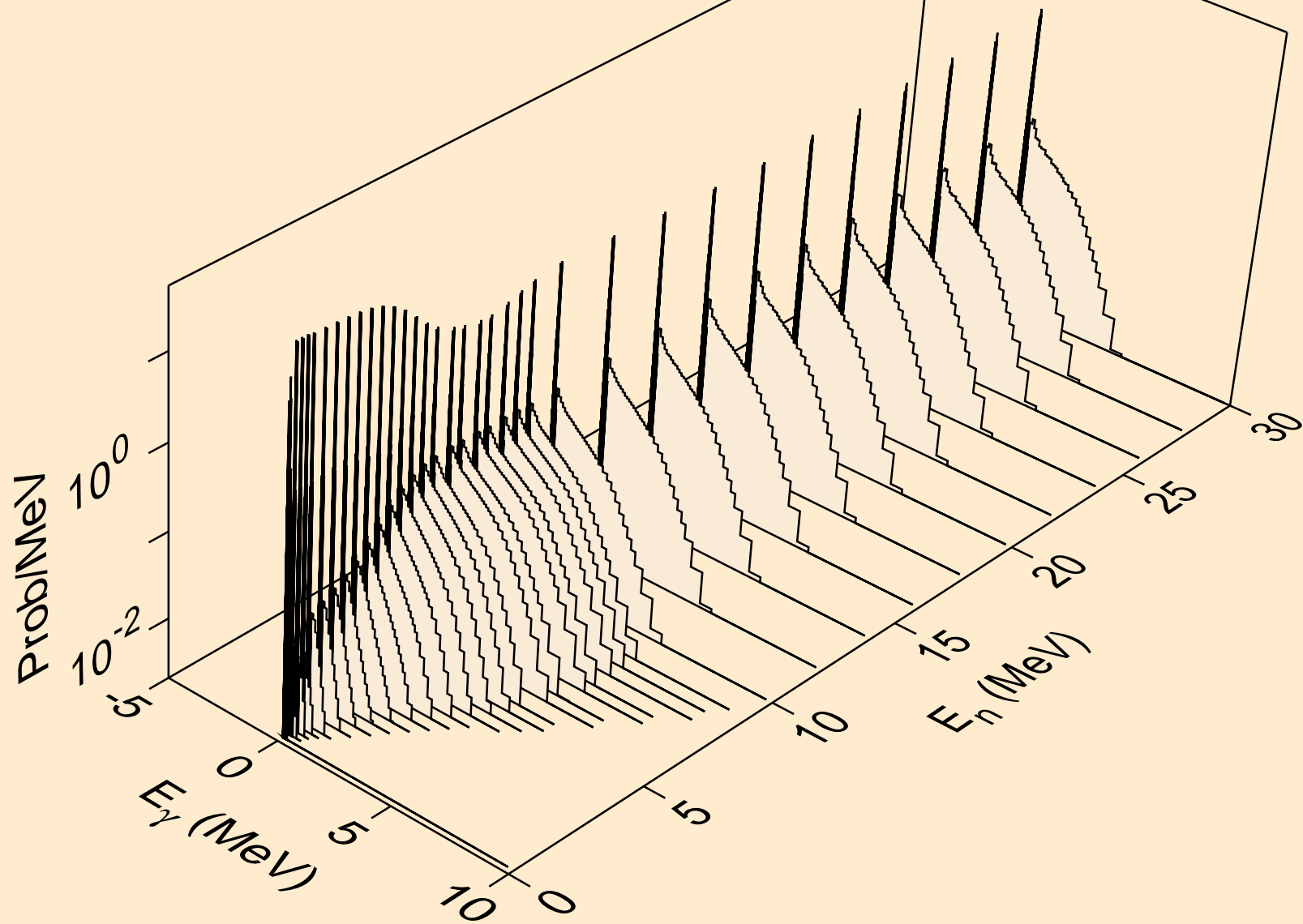
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



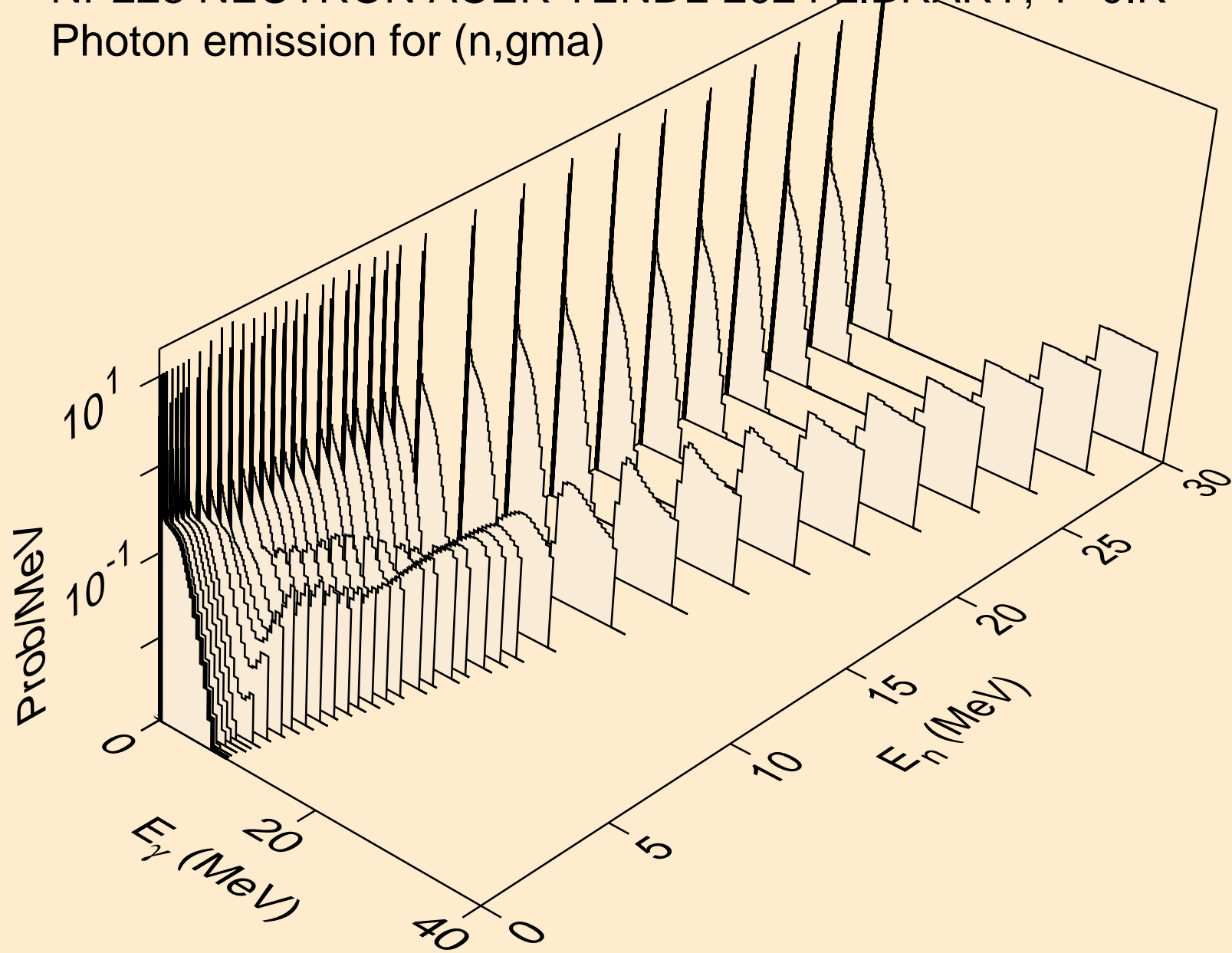
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



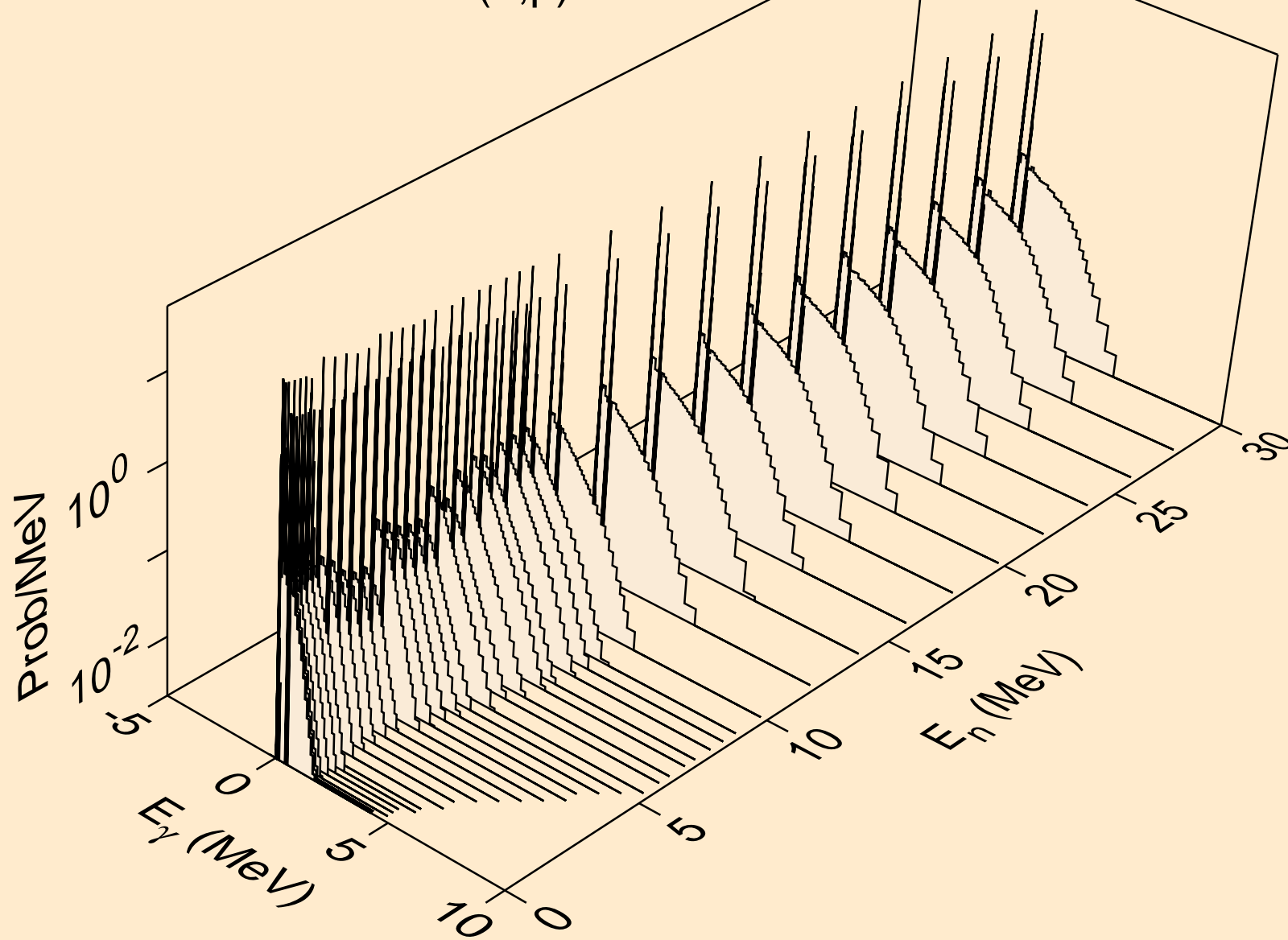
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)

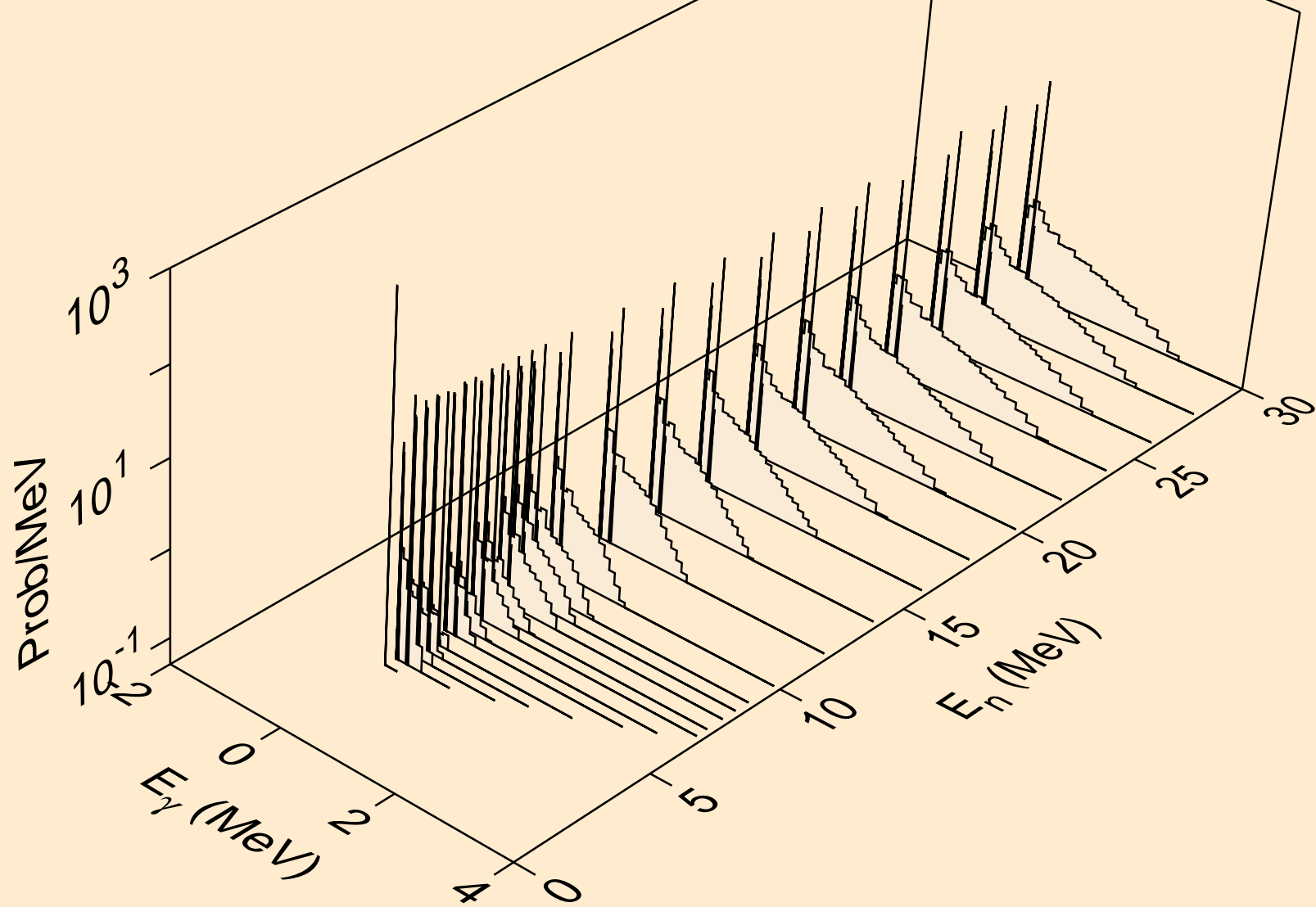


NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)

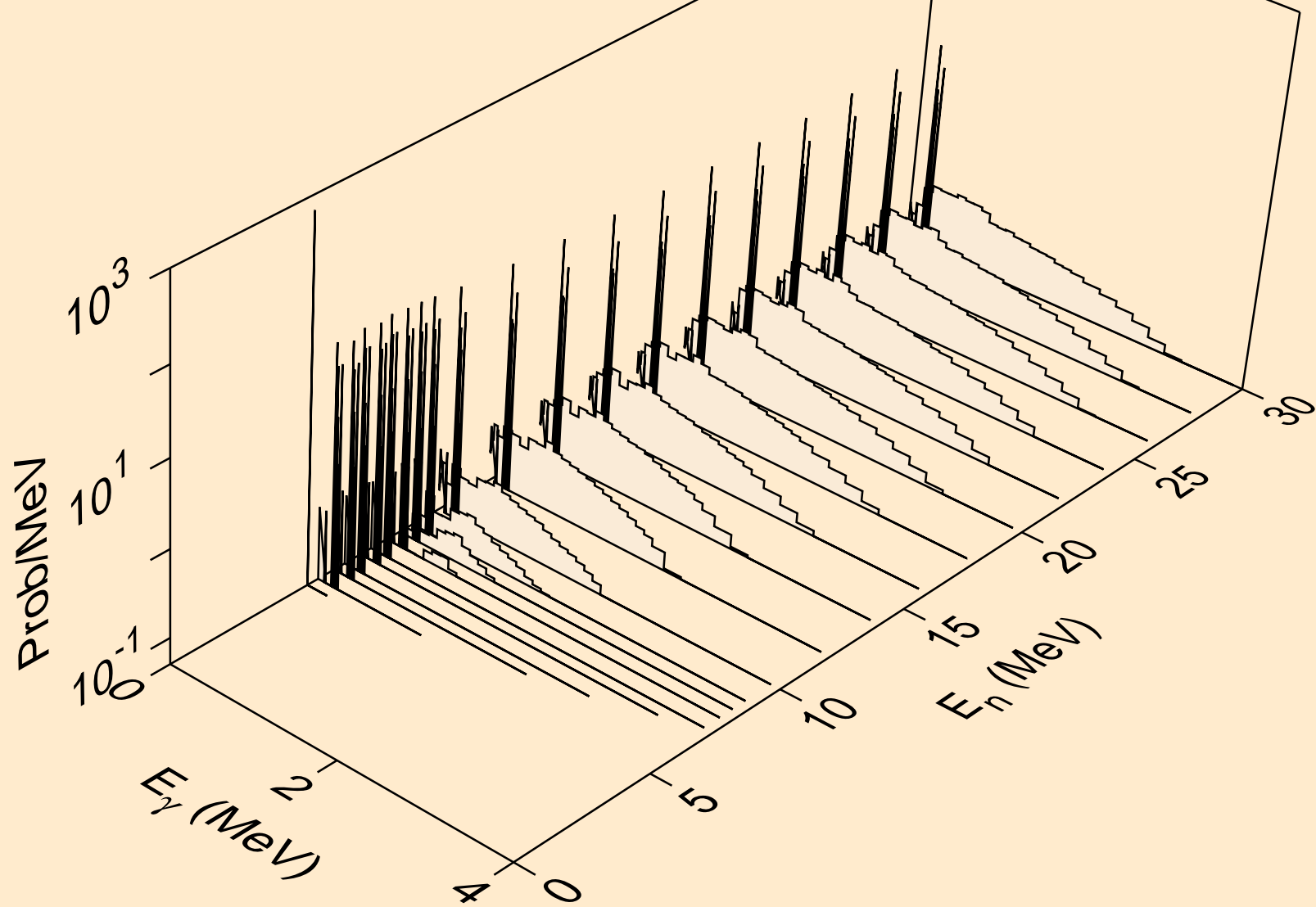




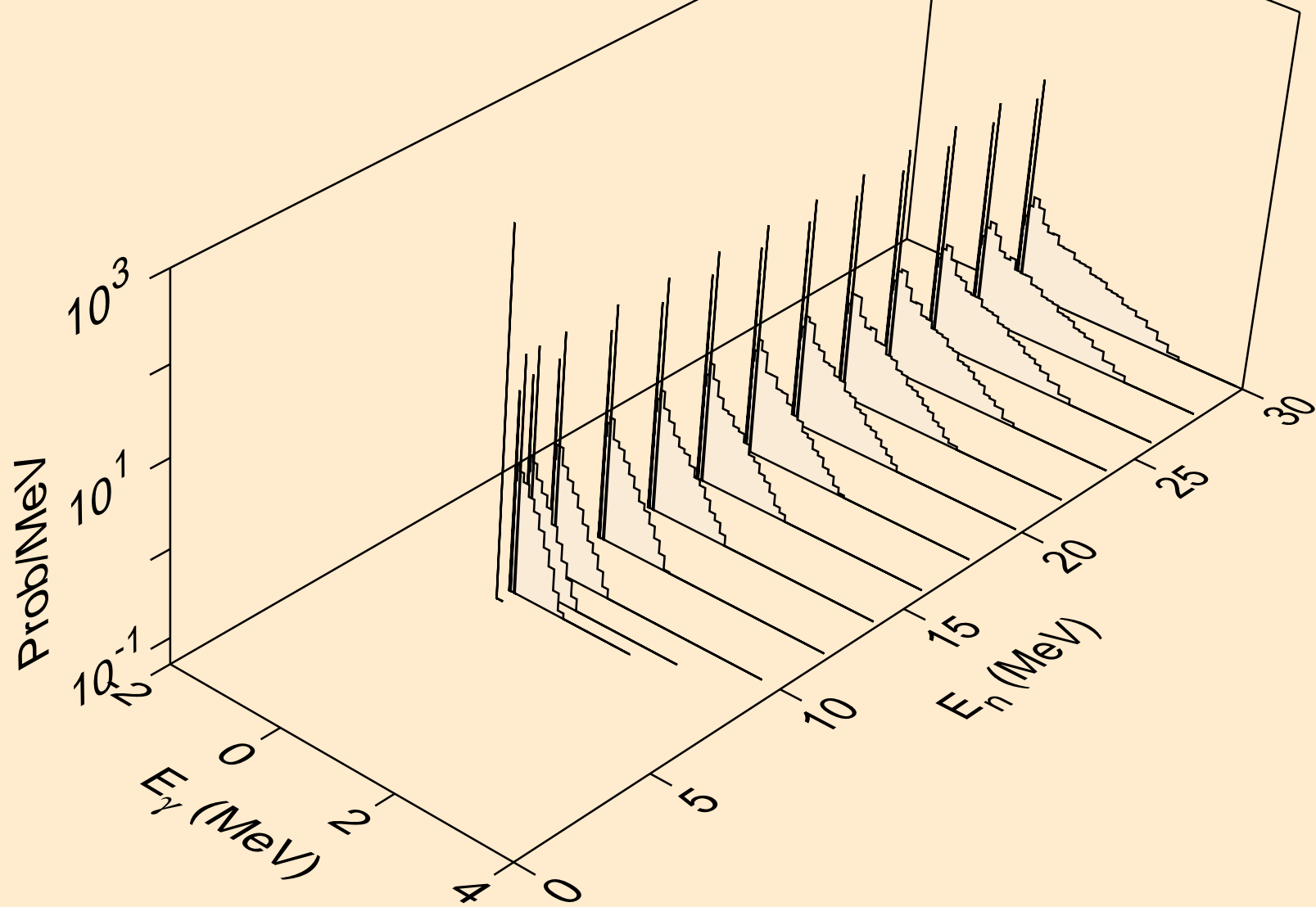
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



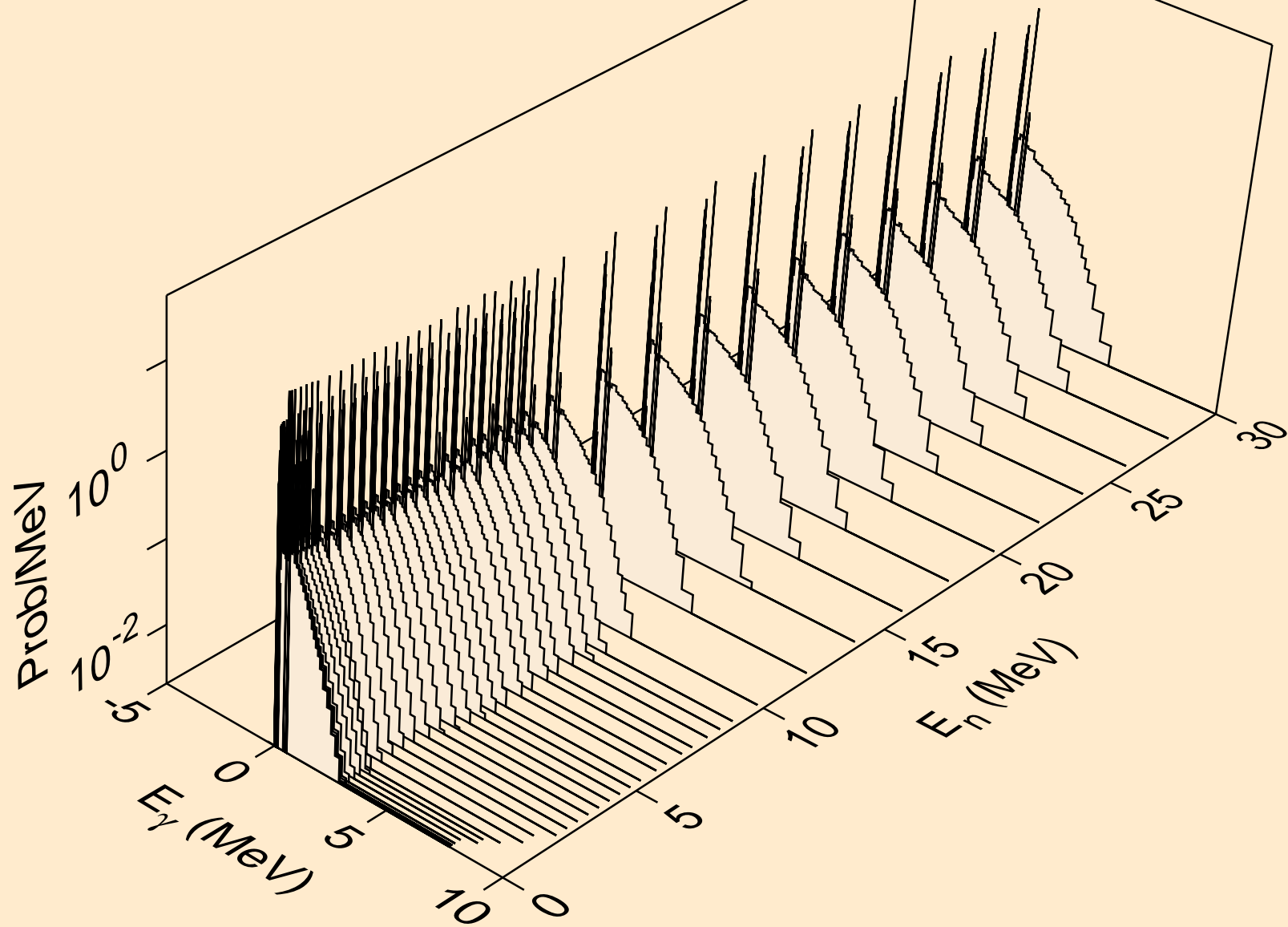
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



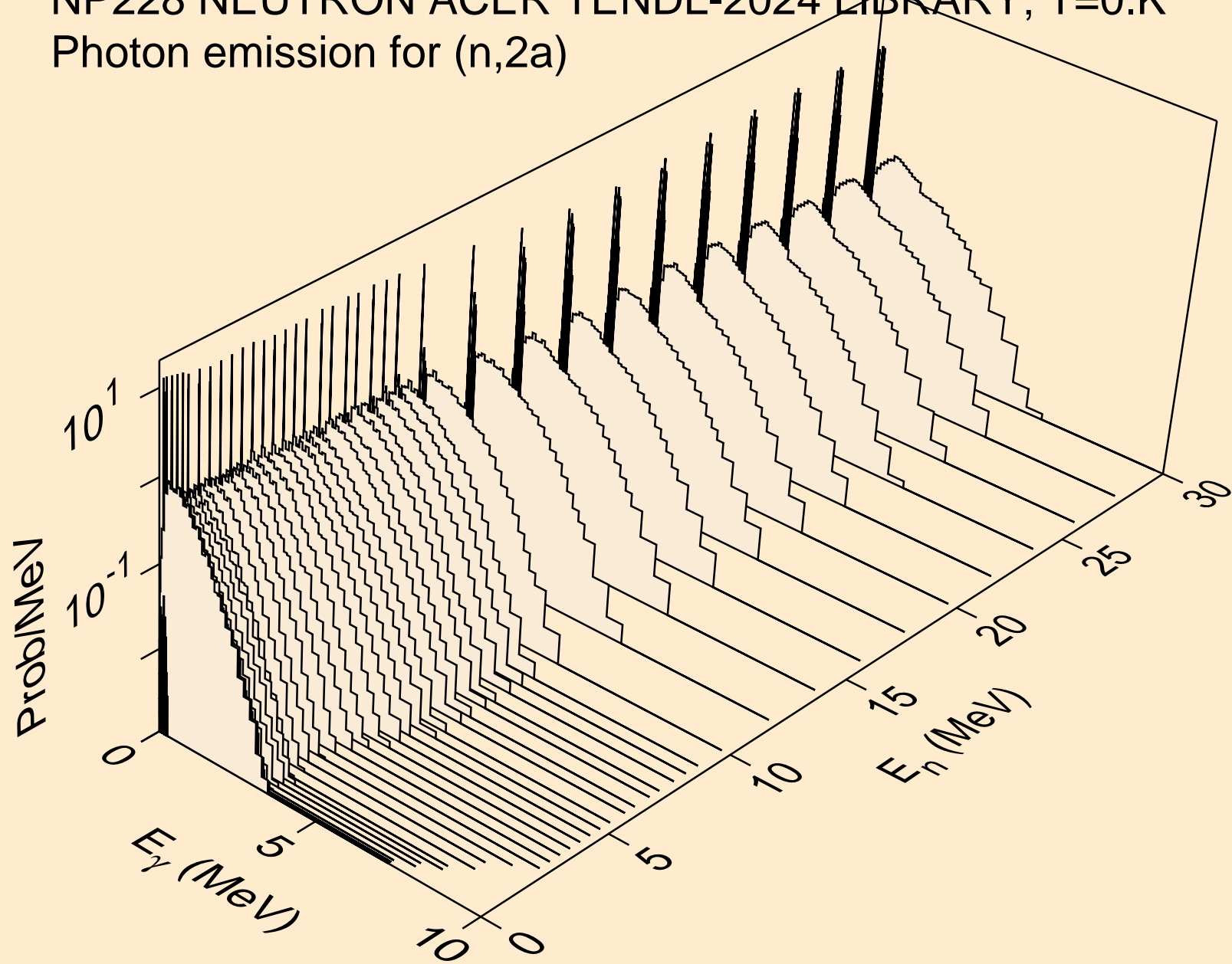
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



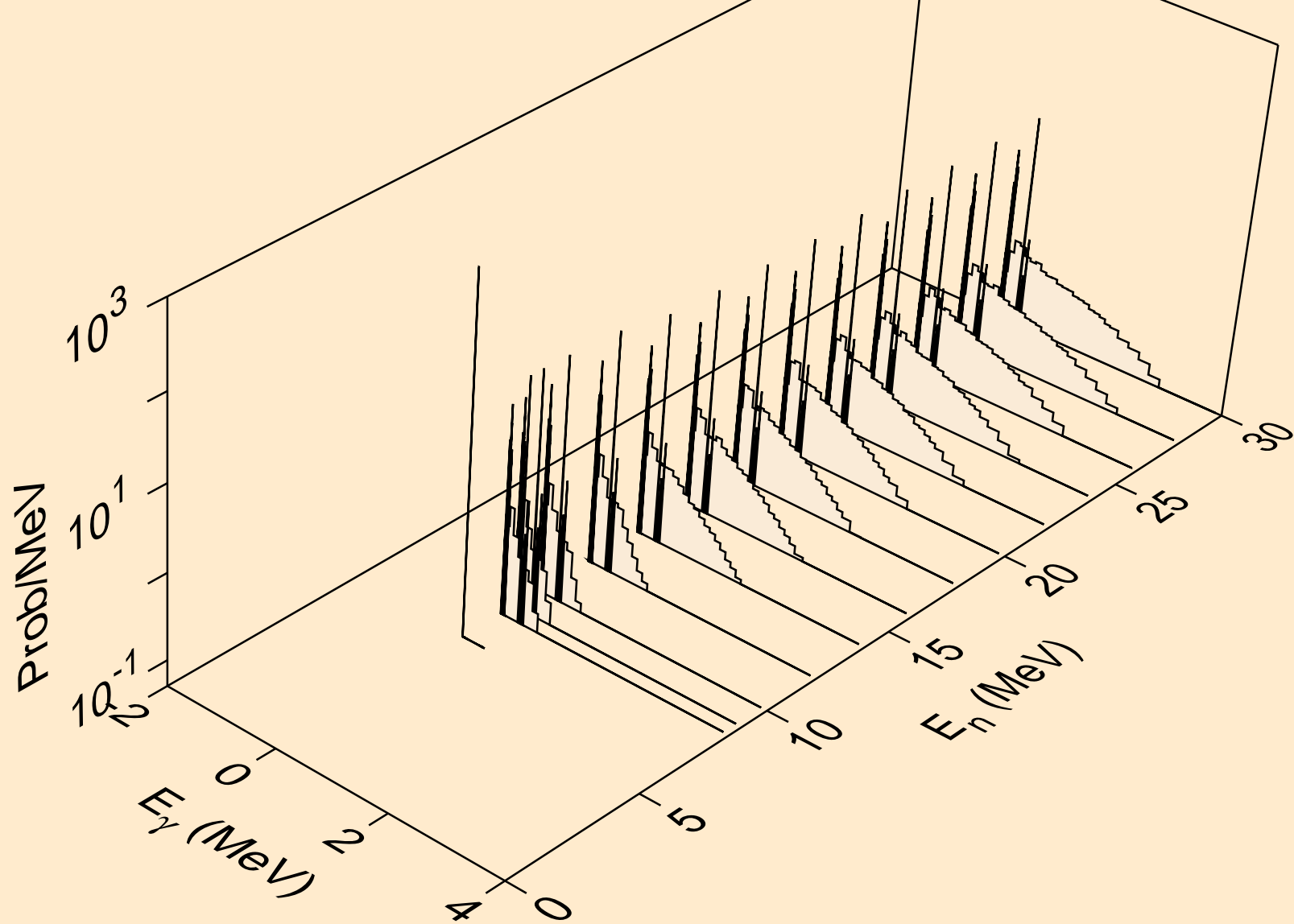
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



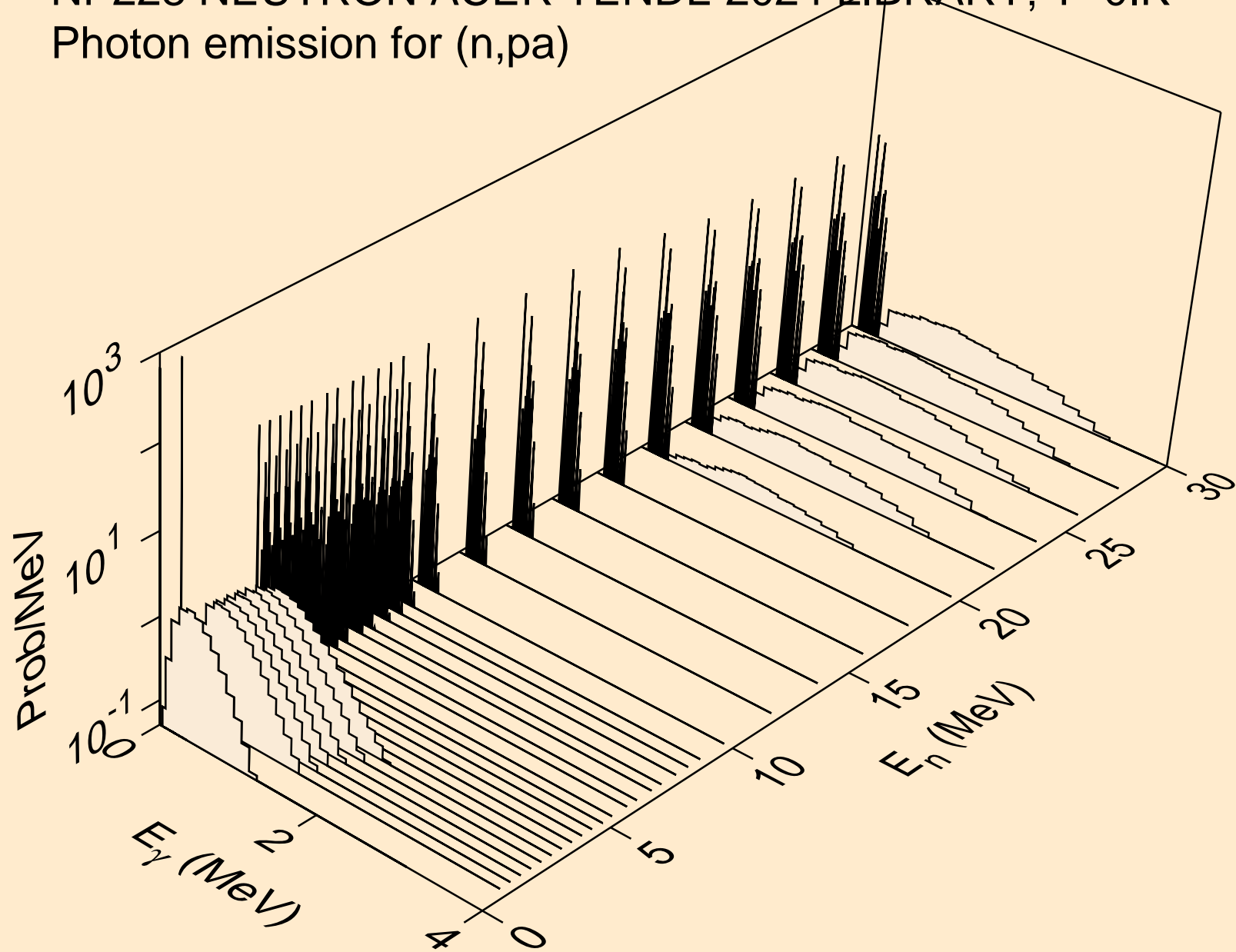
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)



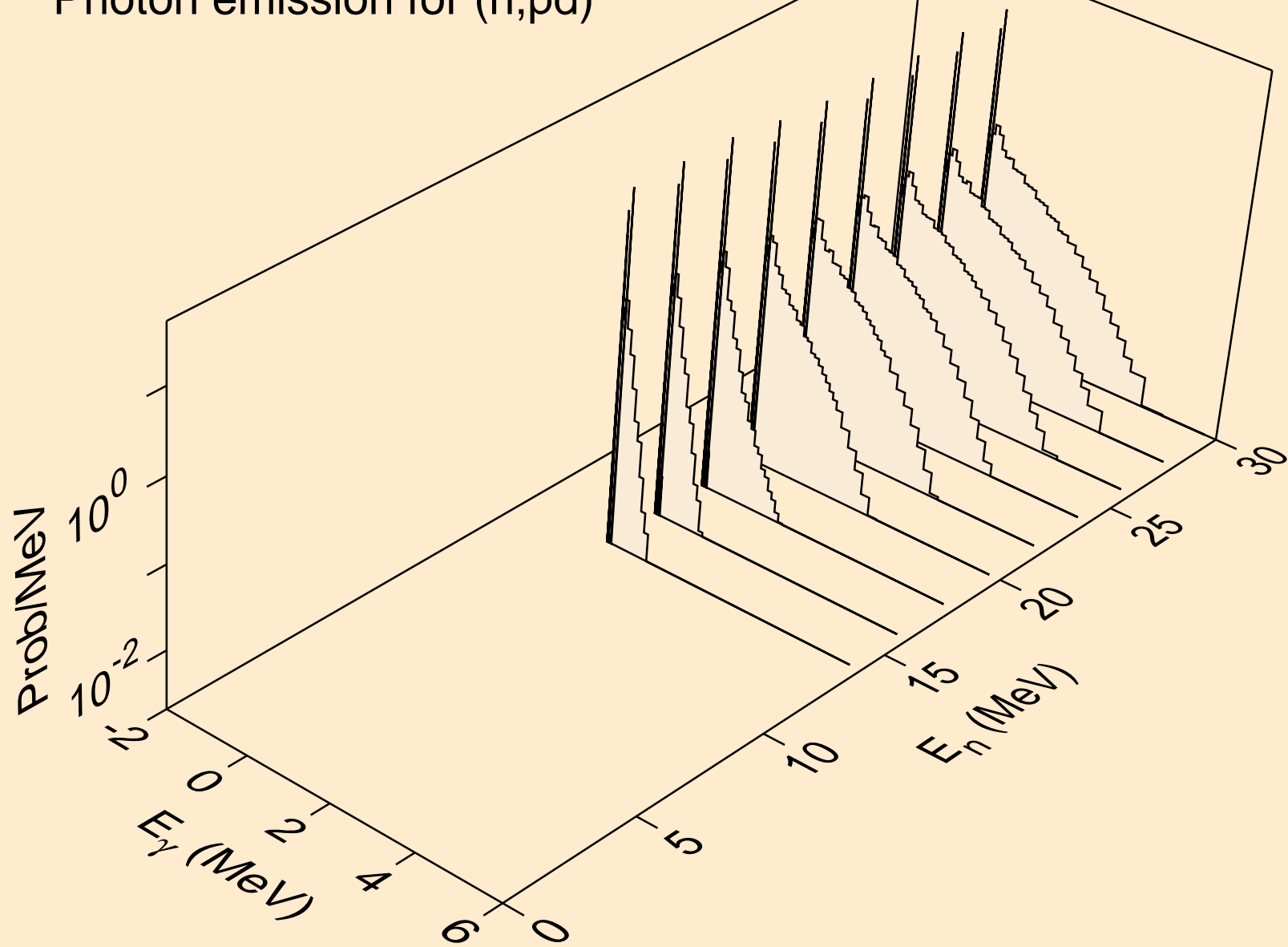
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )

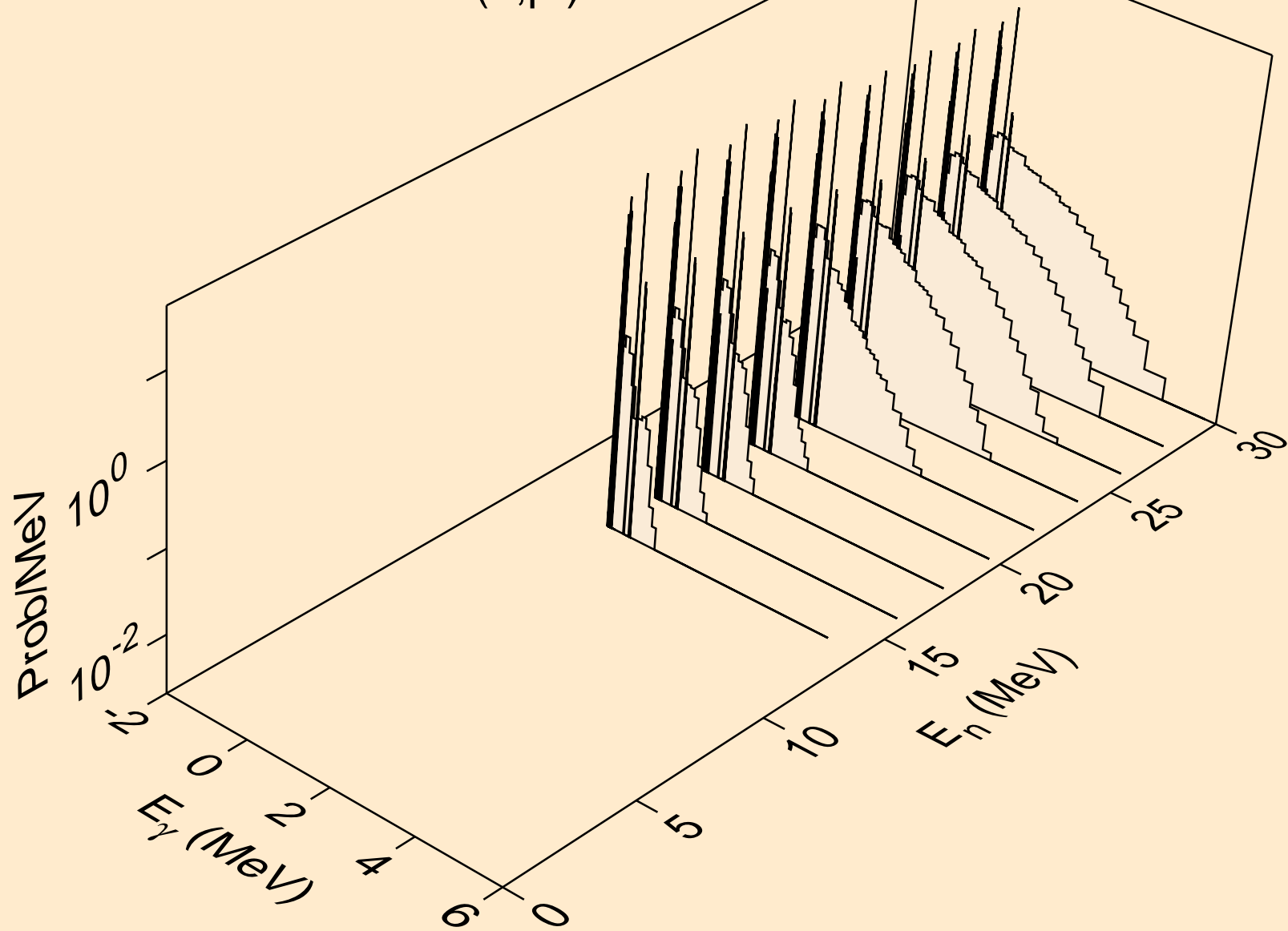


NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)

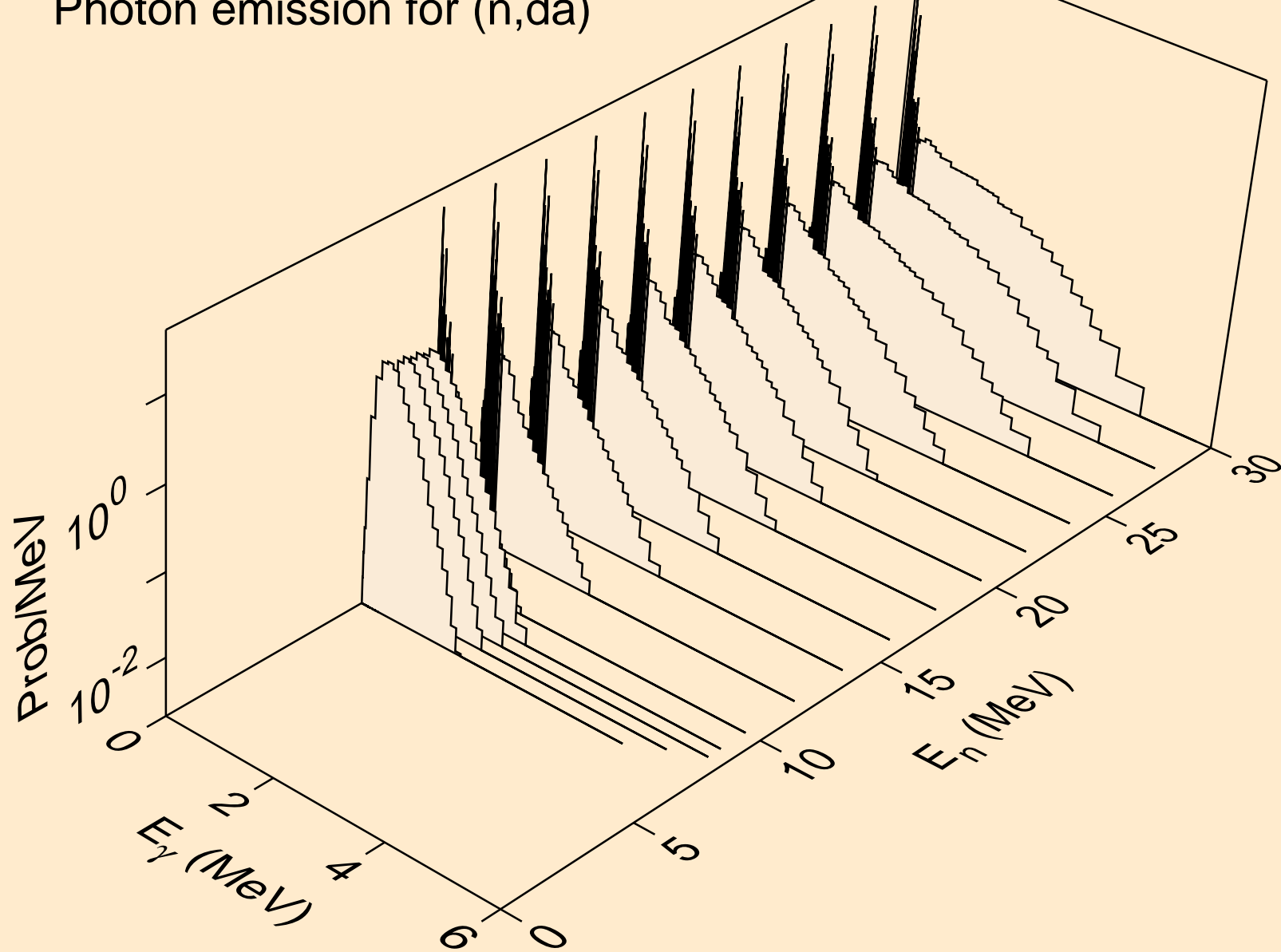




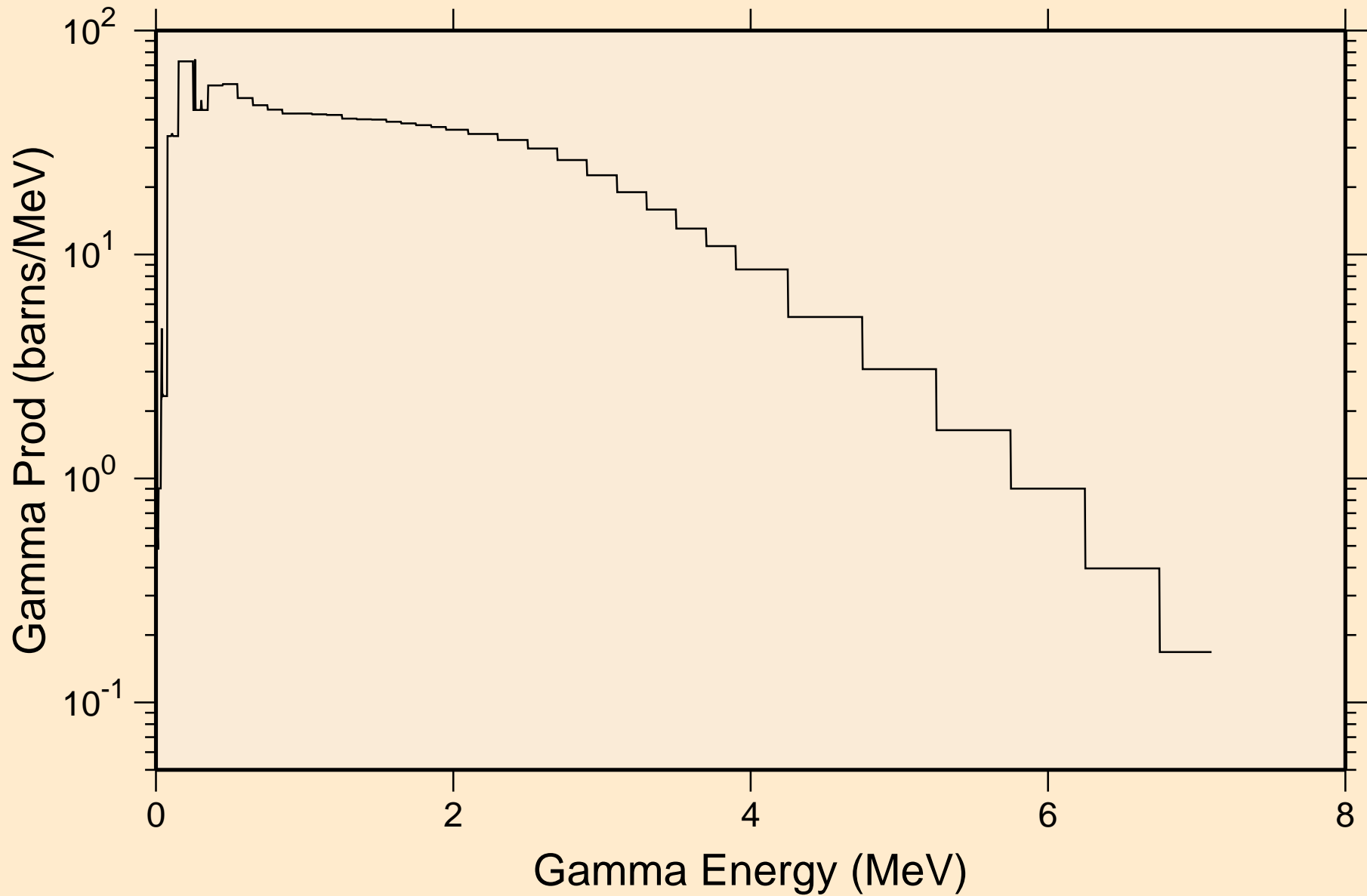
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)



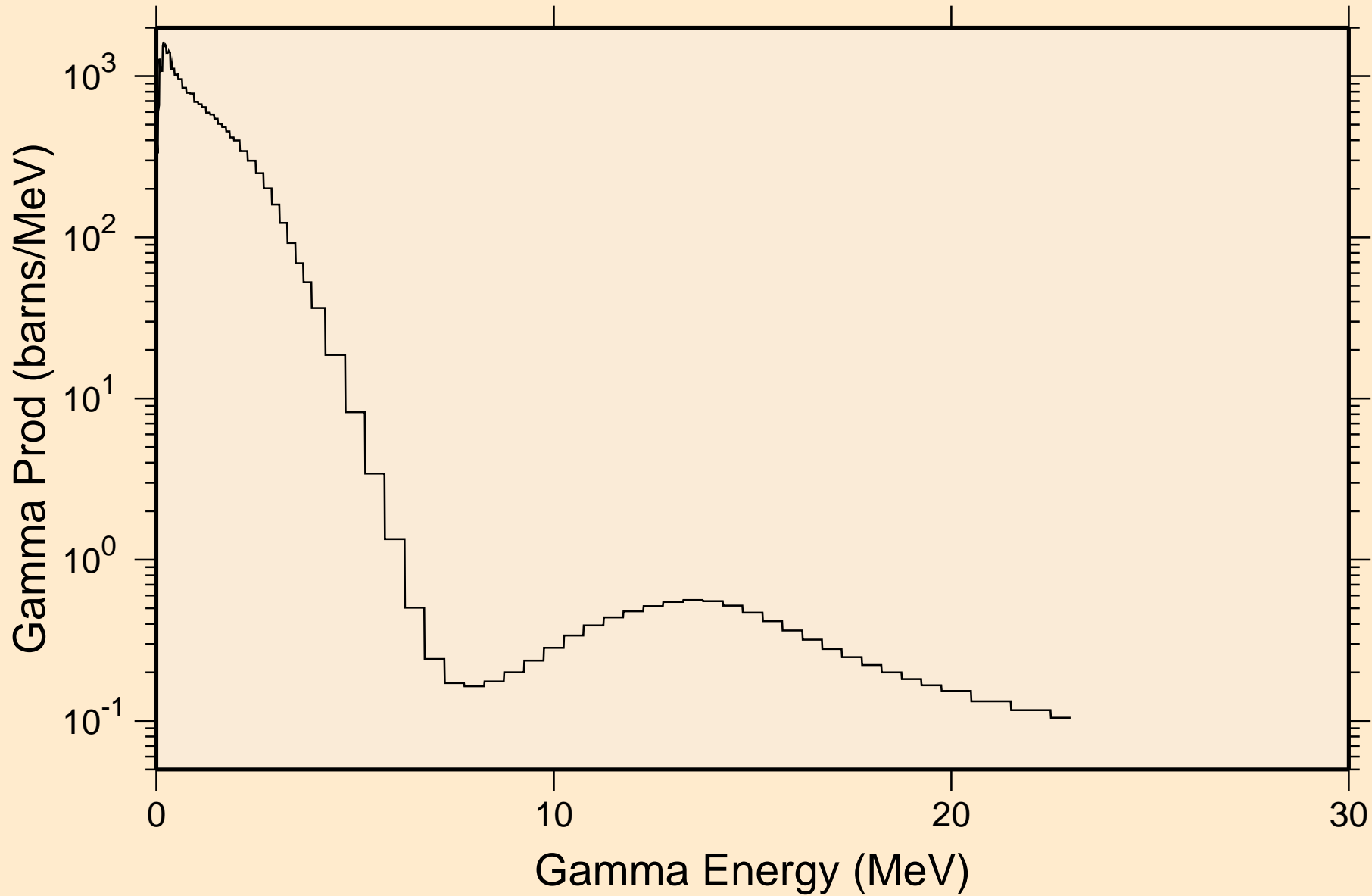
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

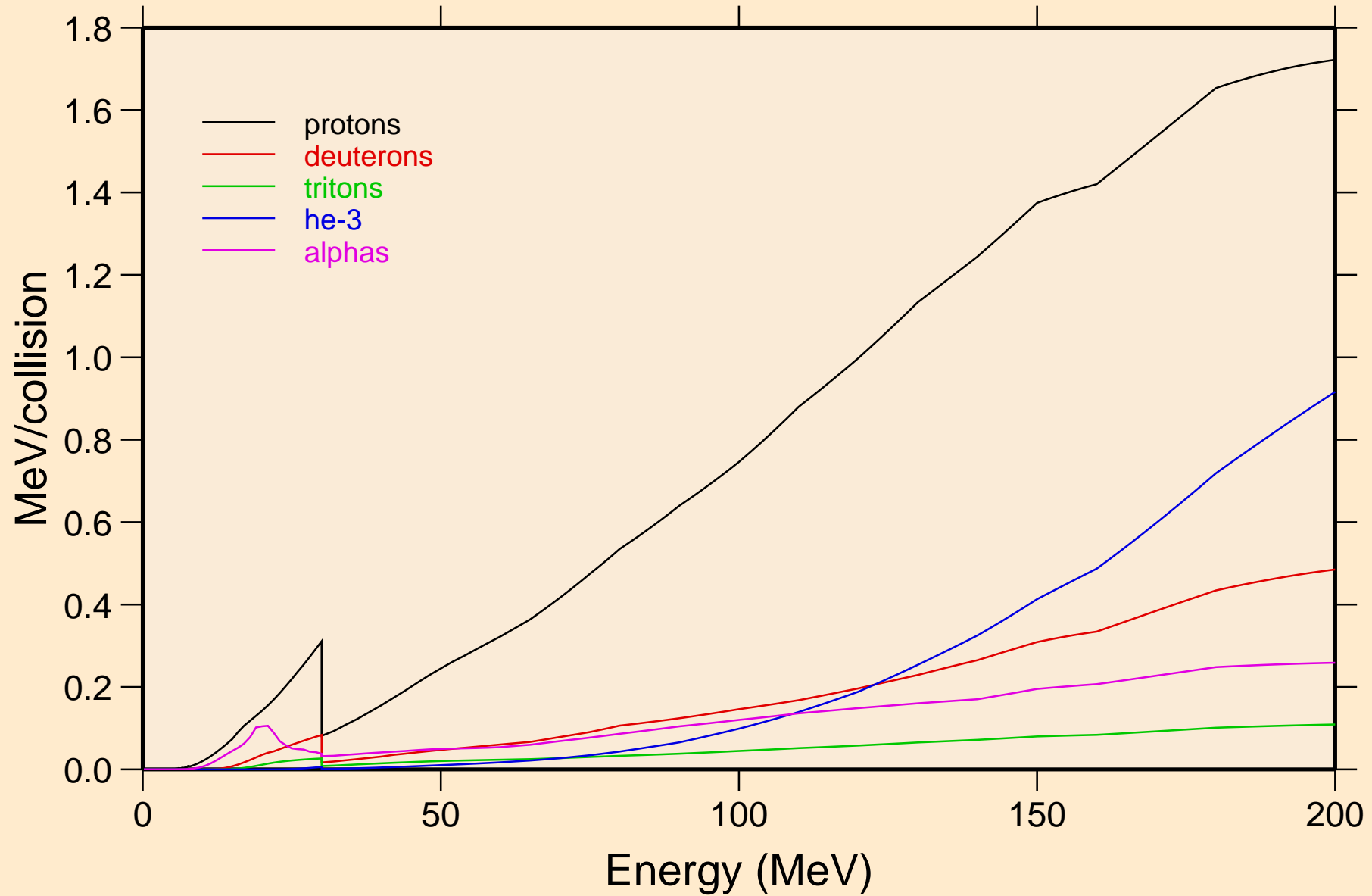


NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum



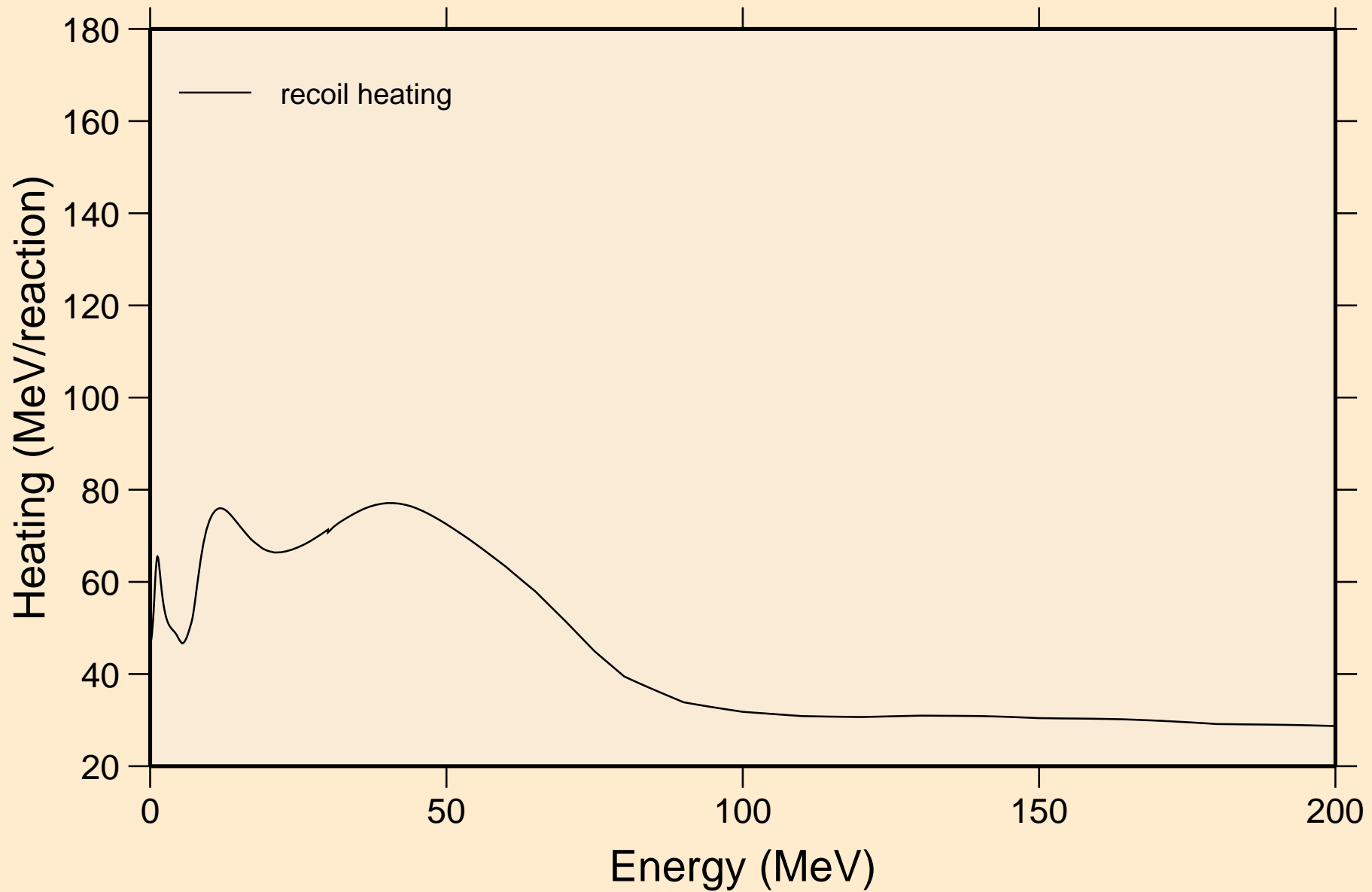
# NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions



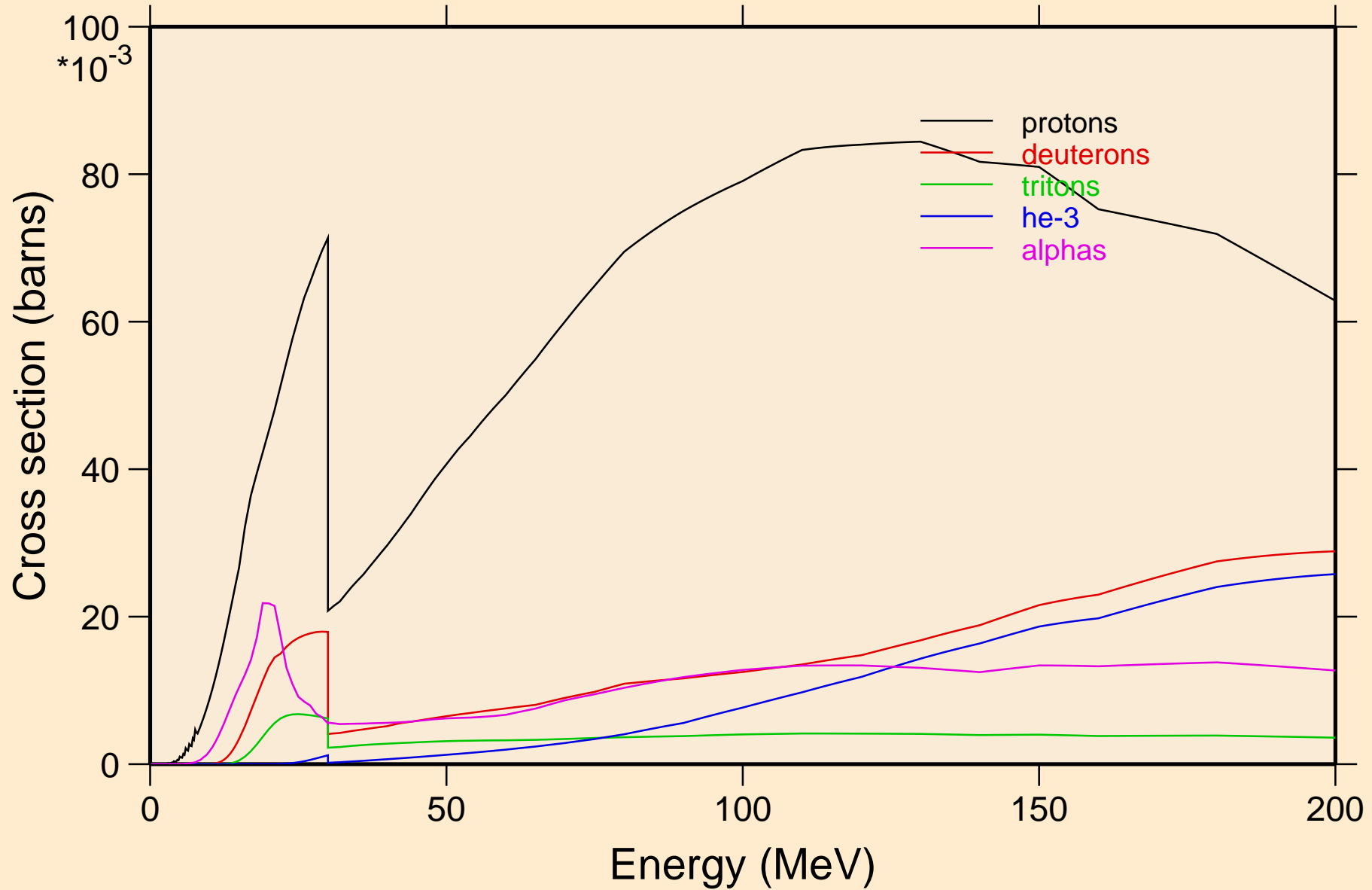
# NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Recoil Heating

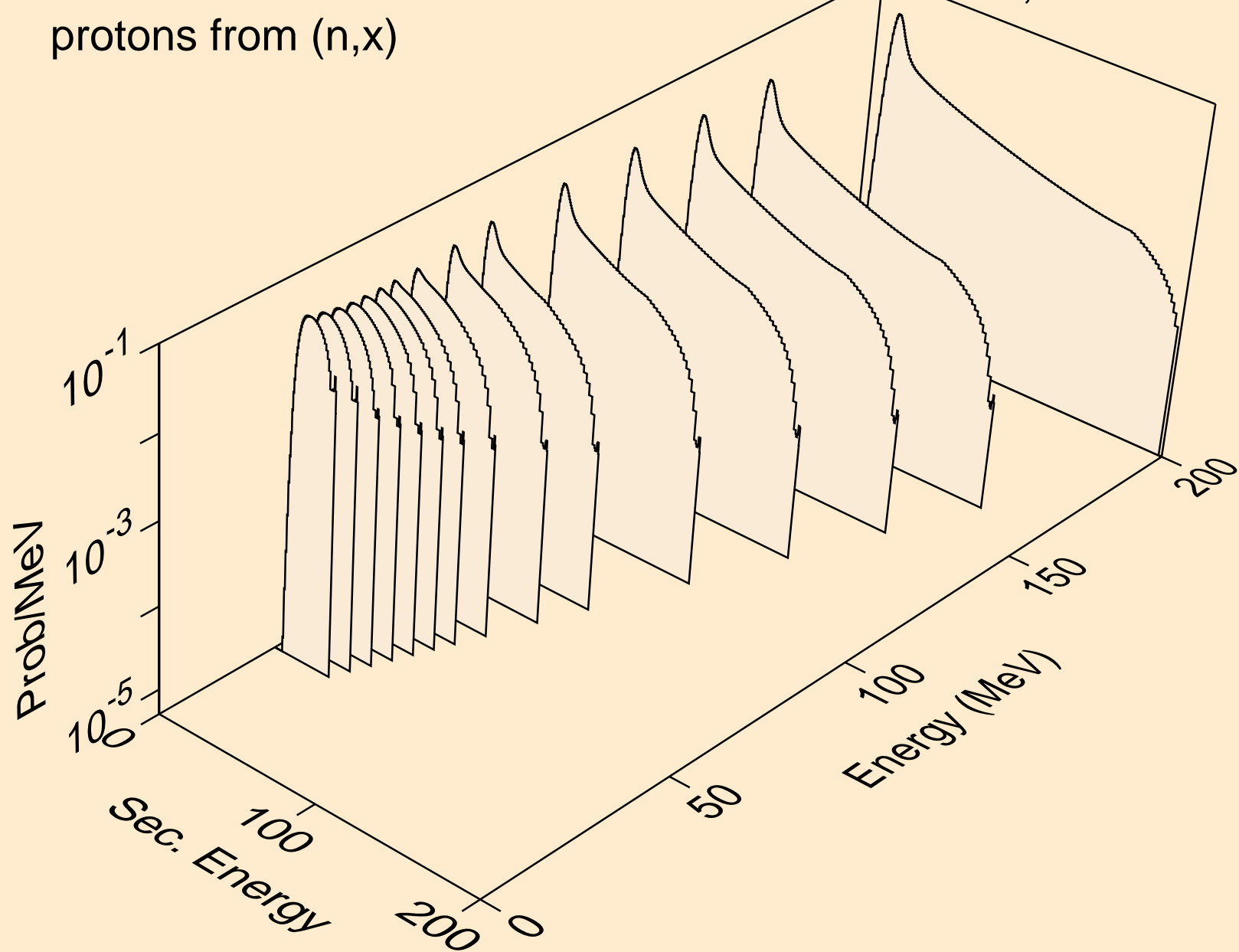


# NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle production cross sections

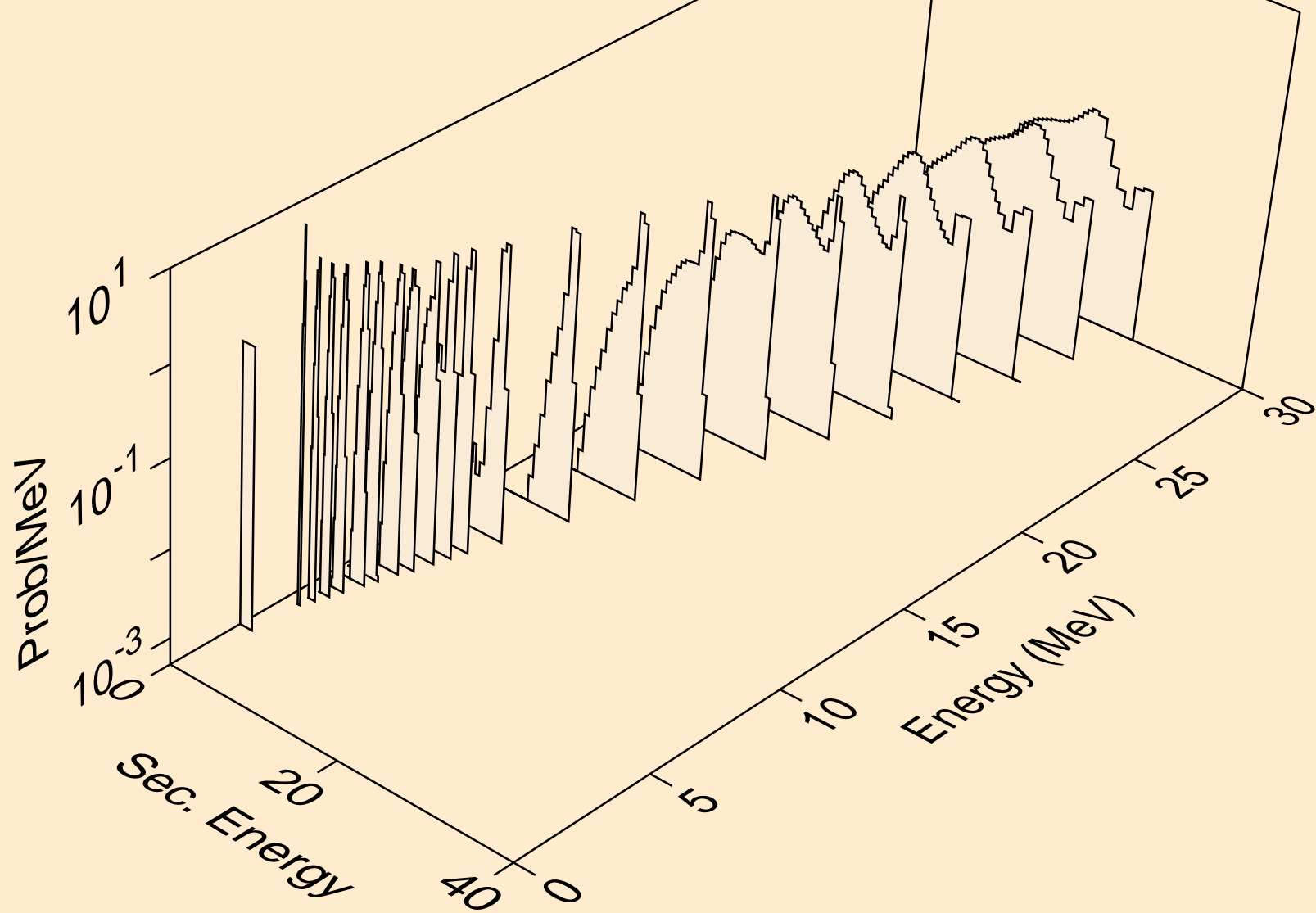


NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)

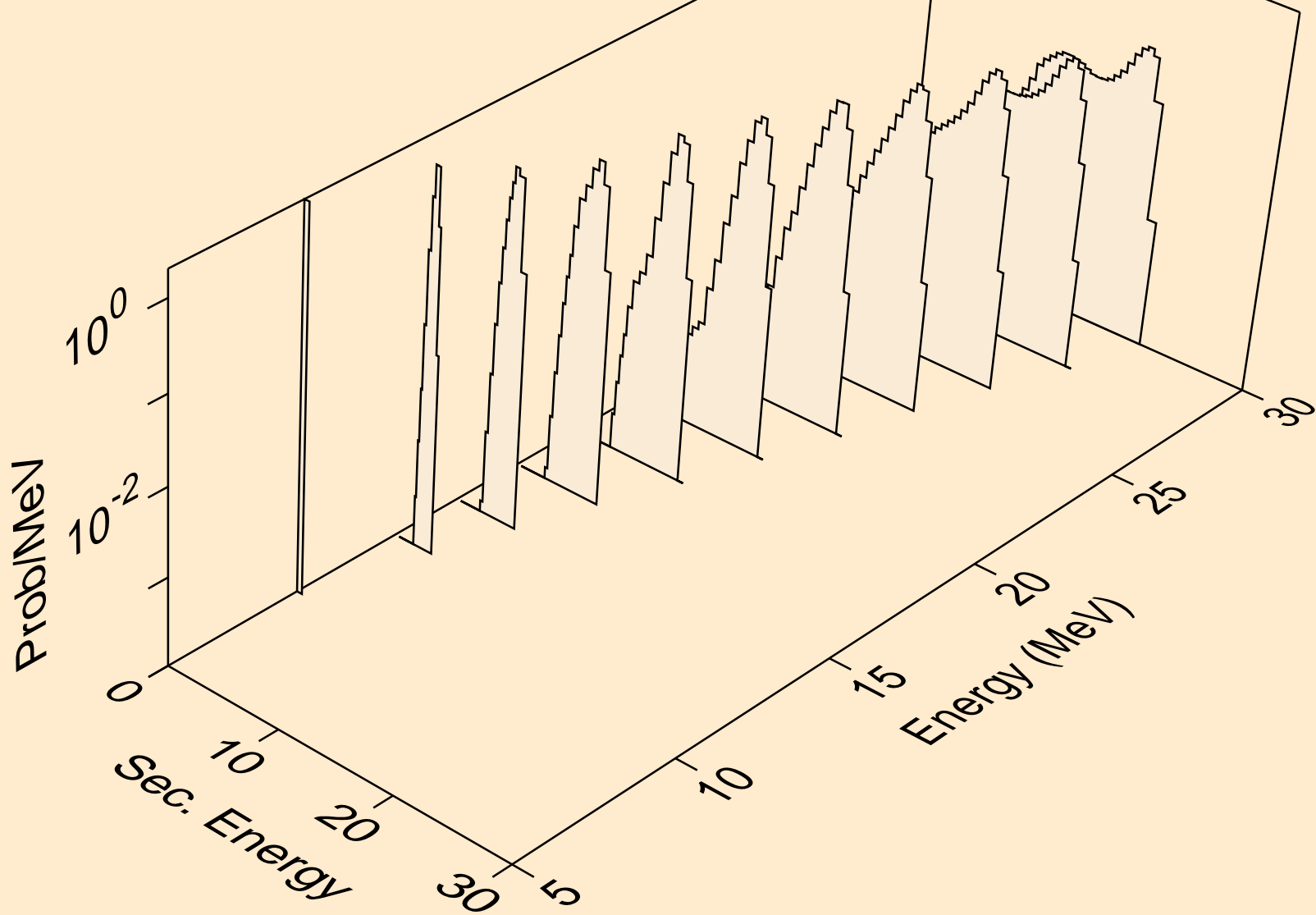




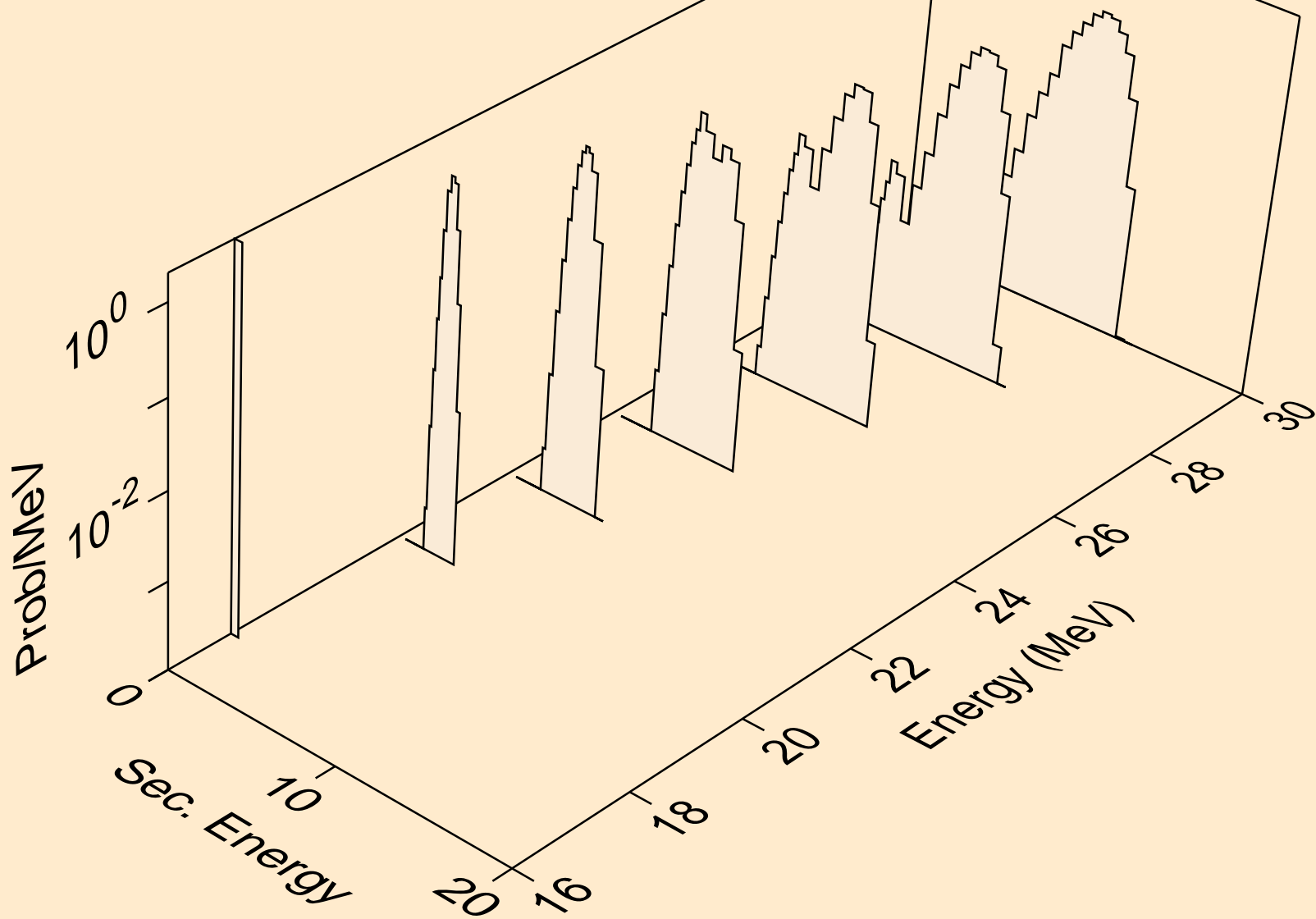
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



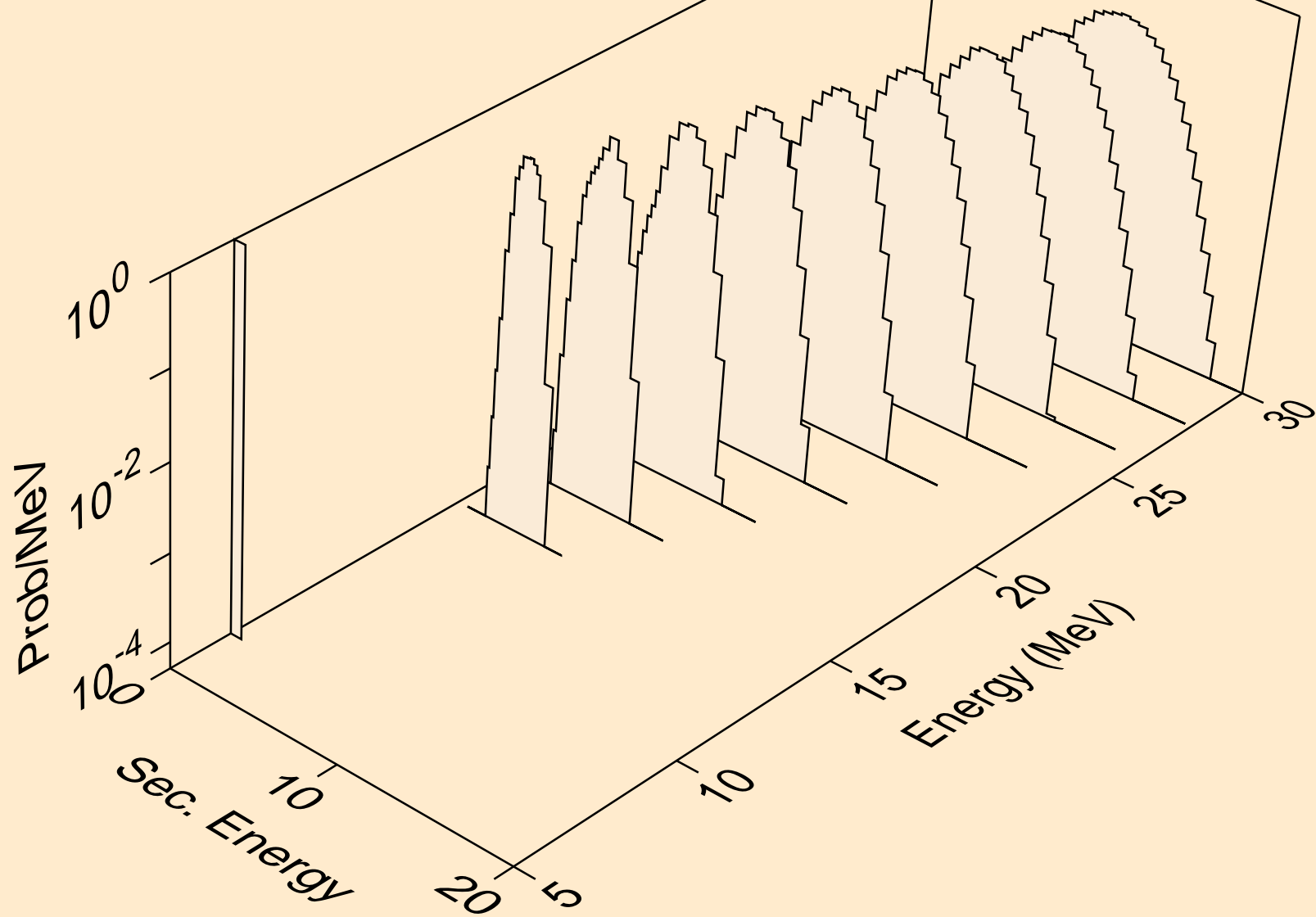
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)



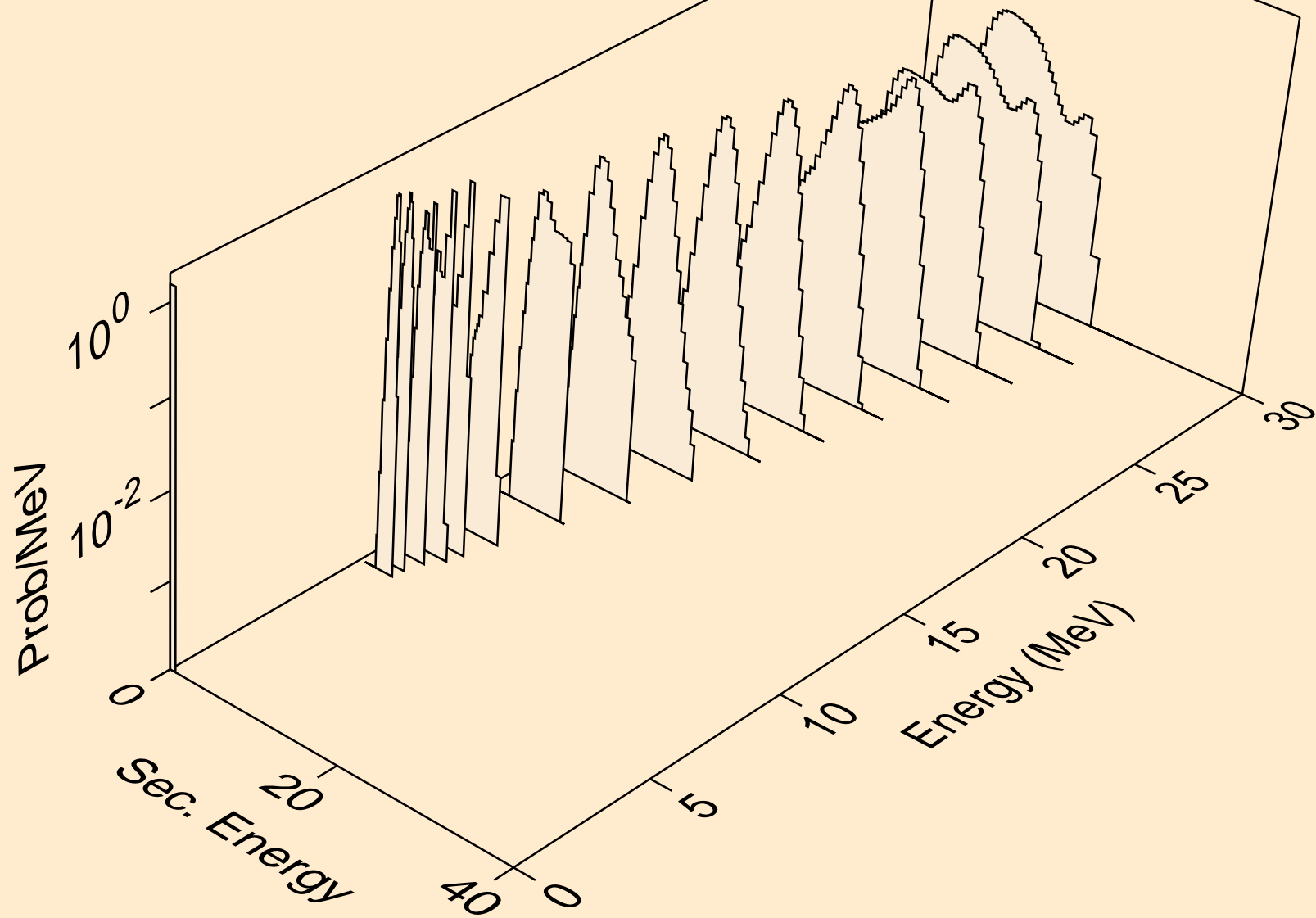
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)



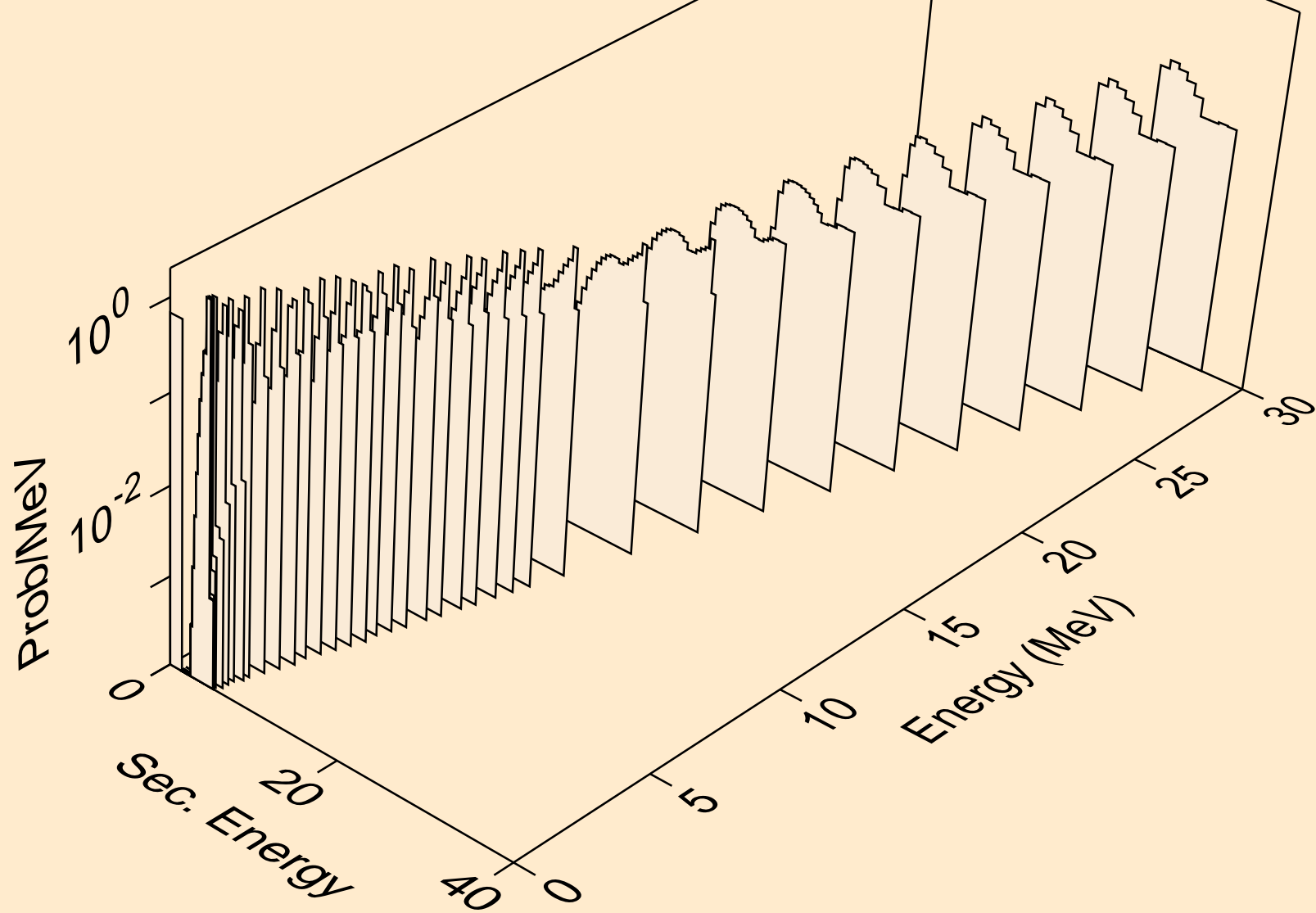
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n2p)



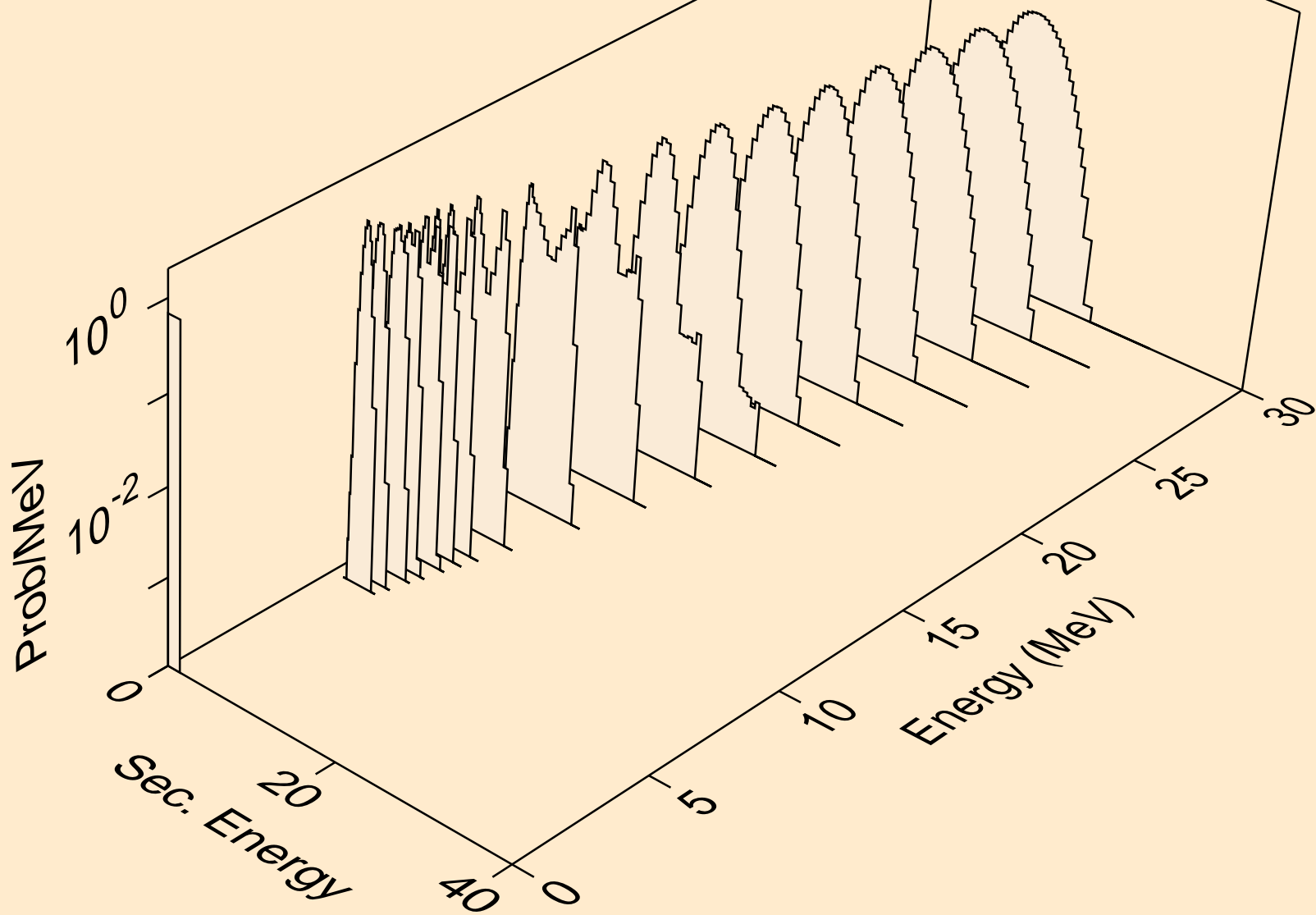
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,npa)



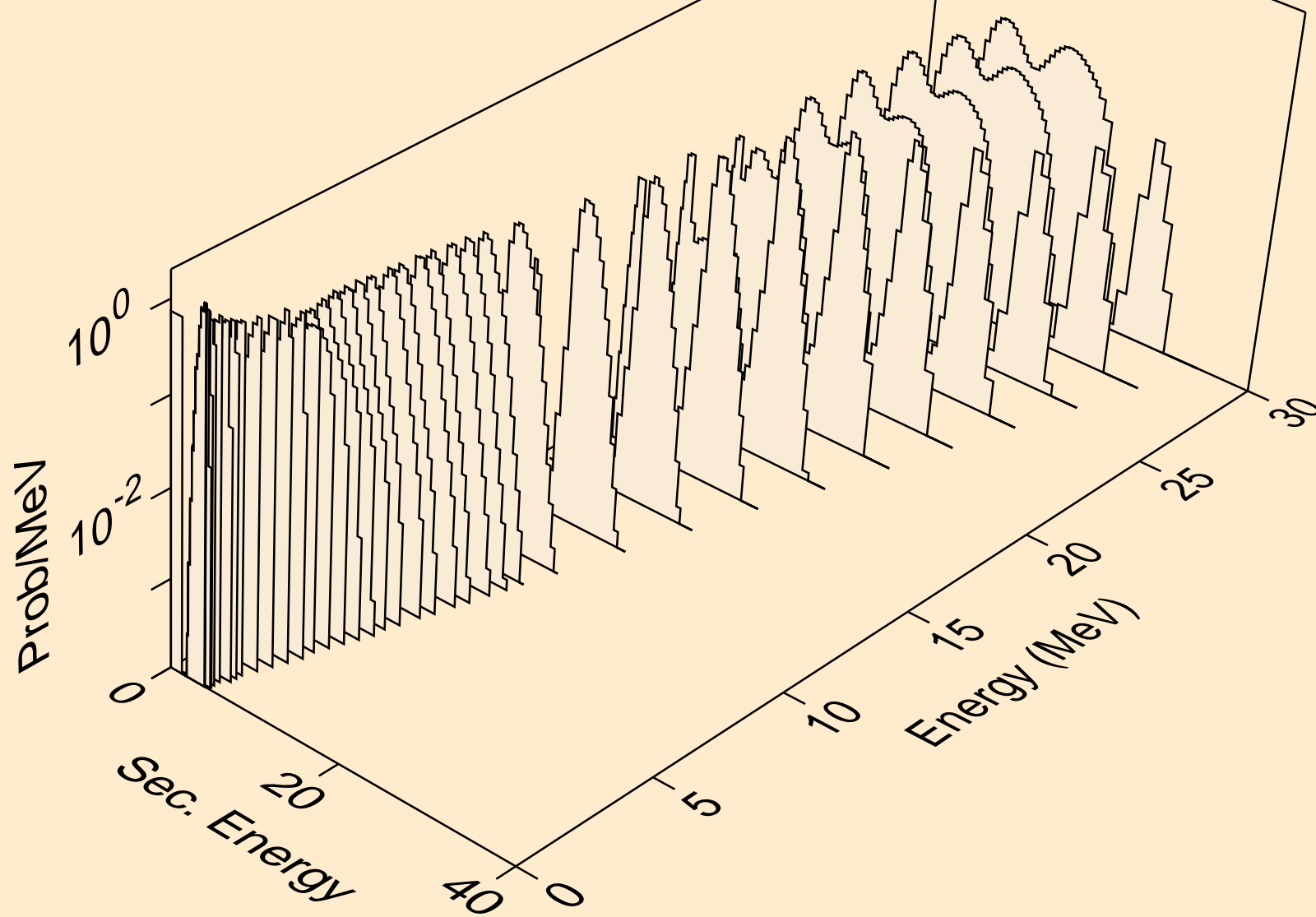
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)



NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2p)

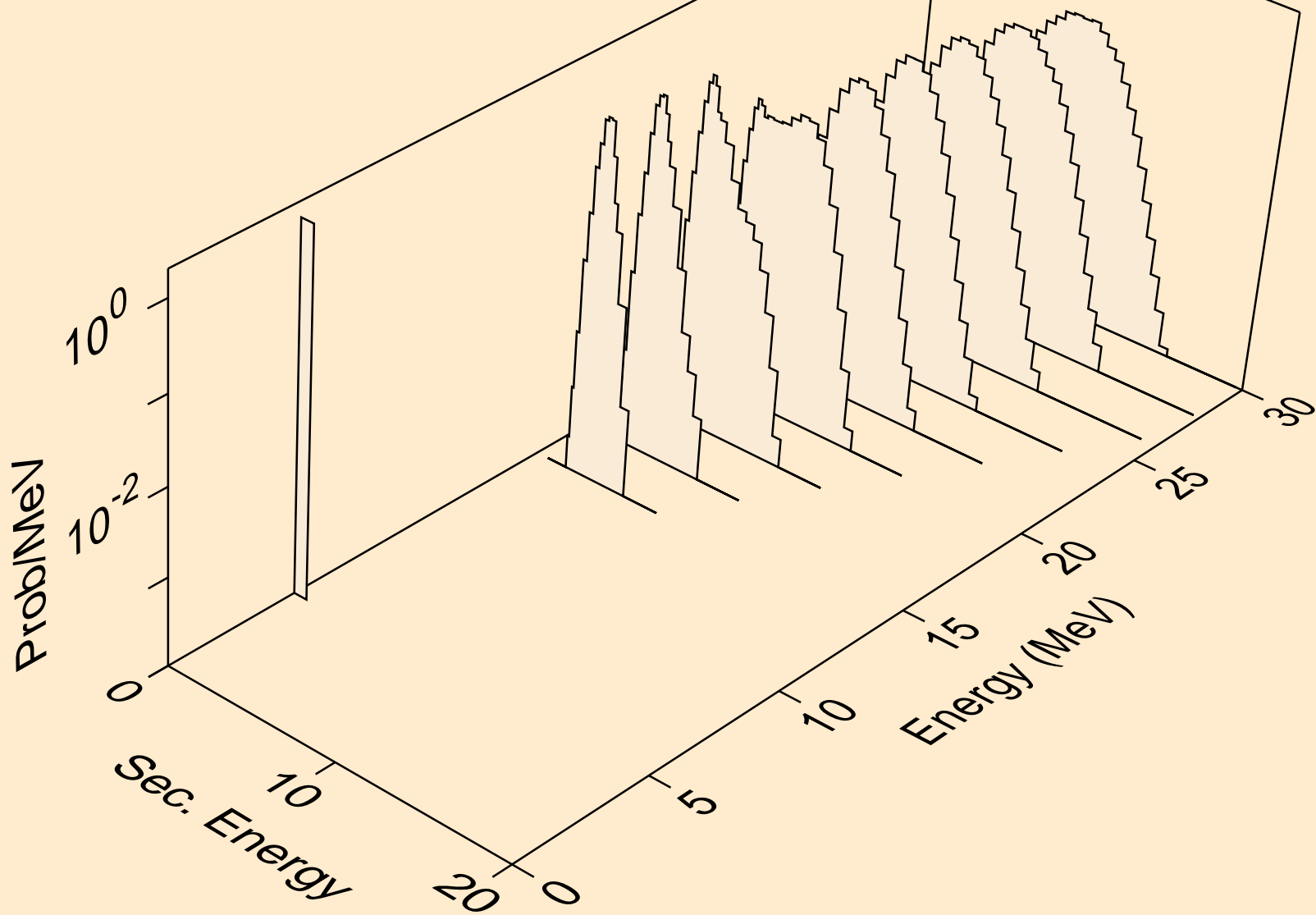


NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)

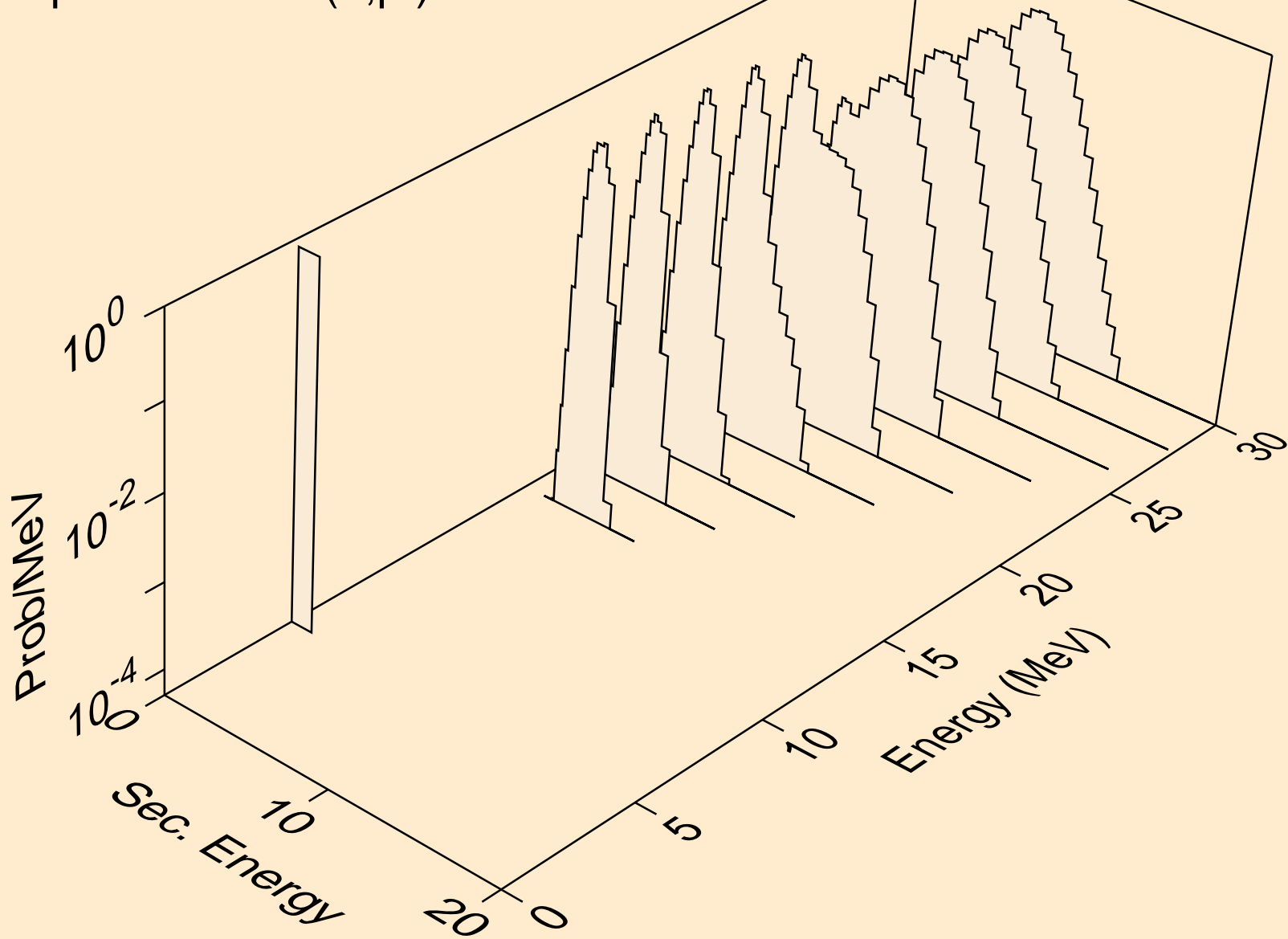




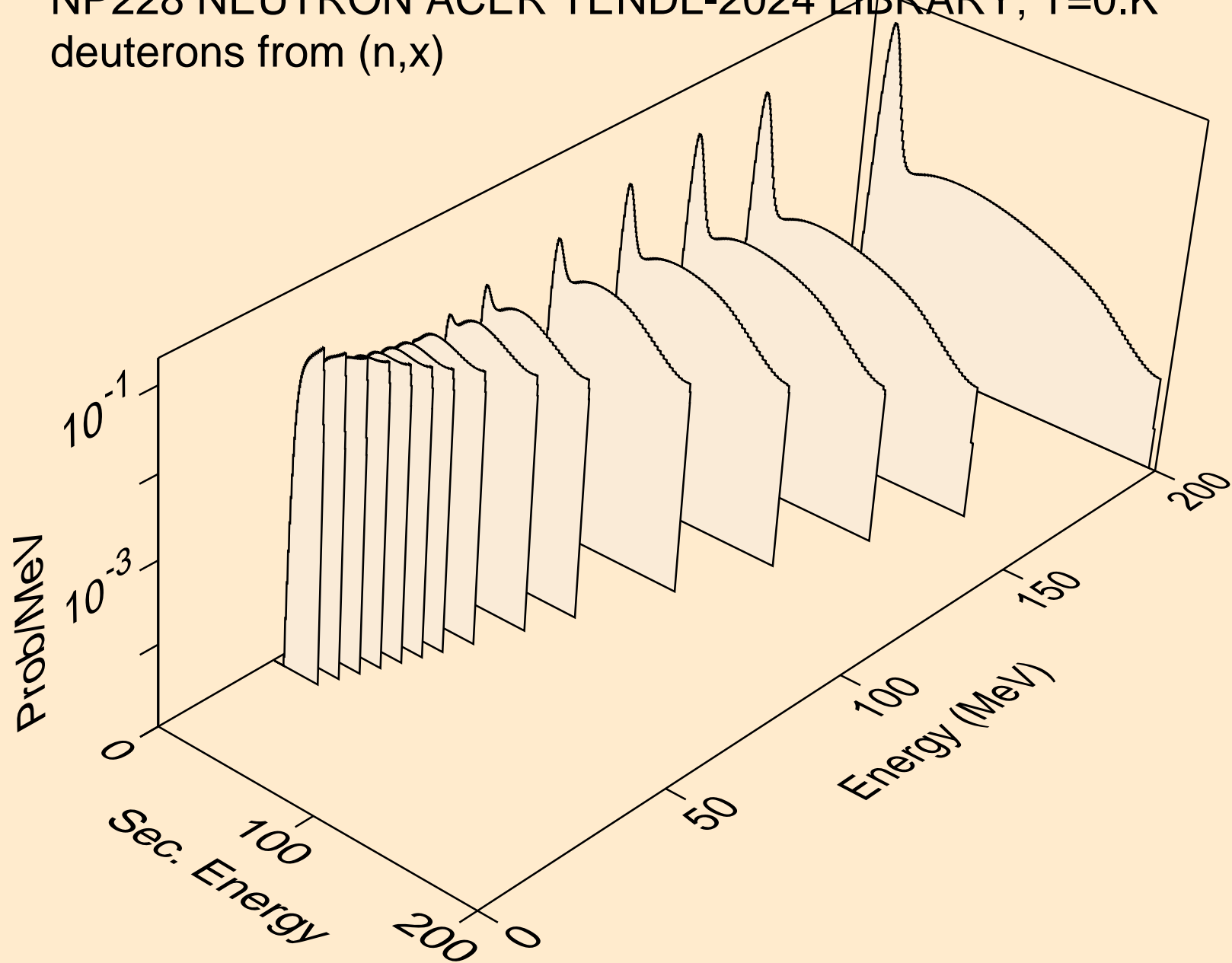
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pd)



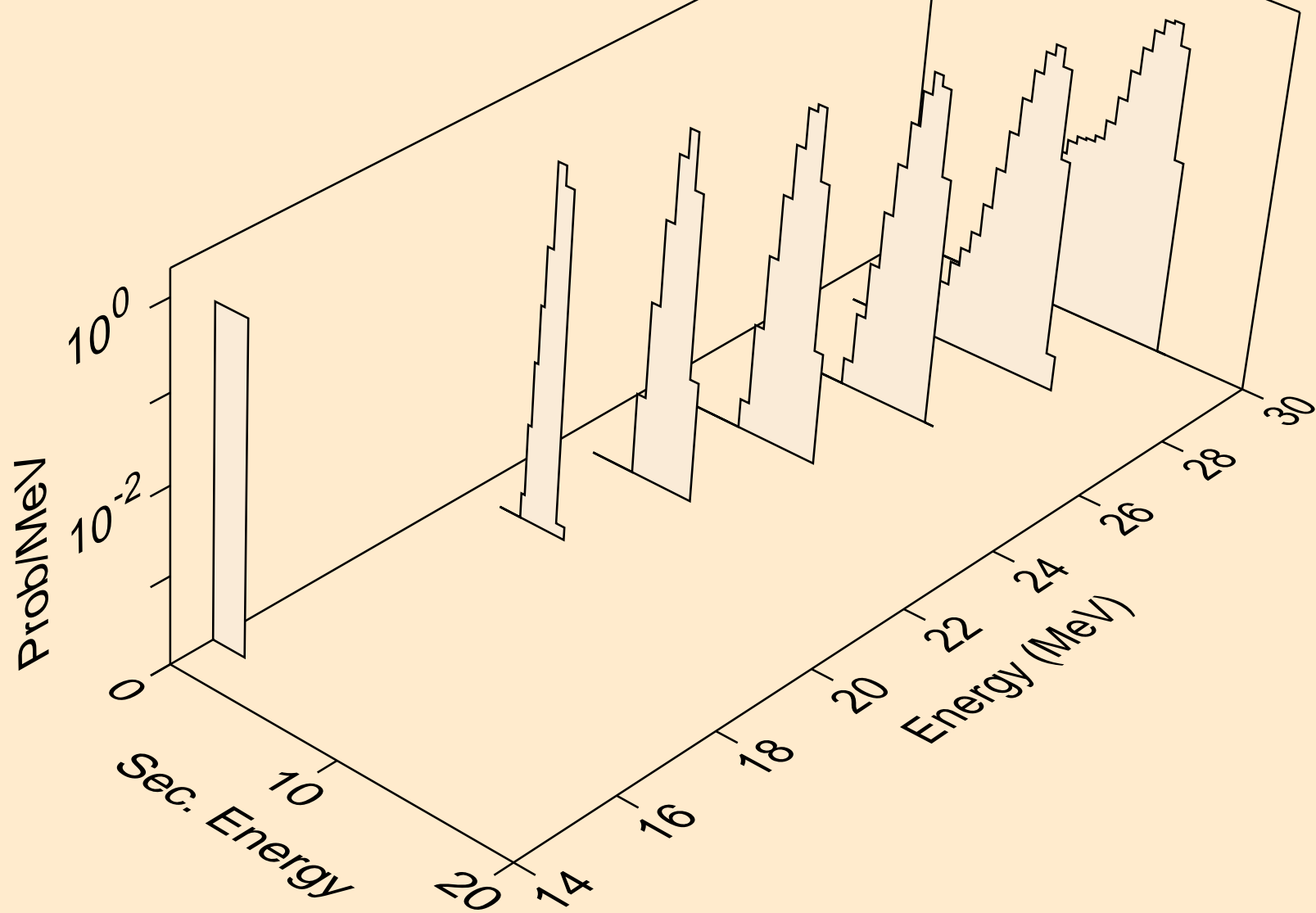
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pt)



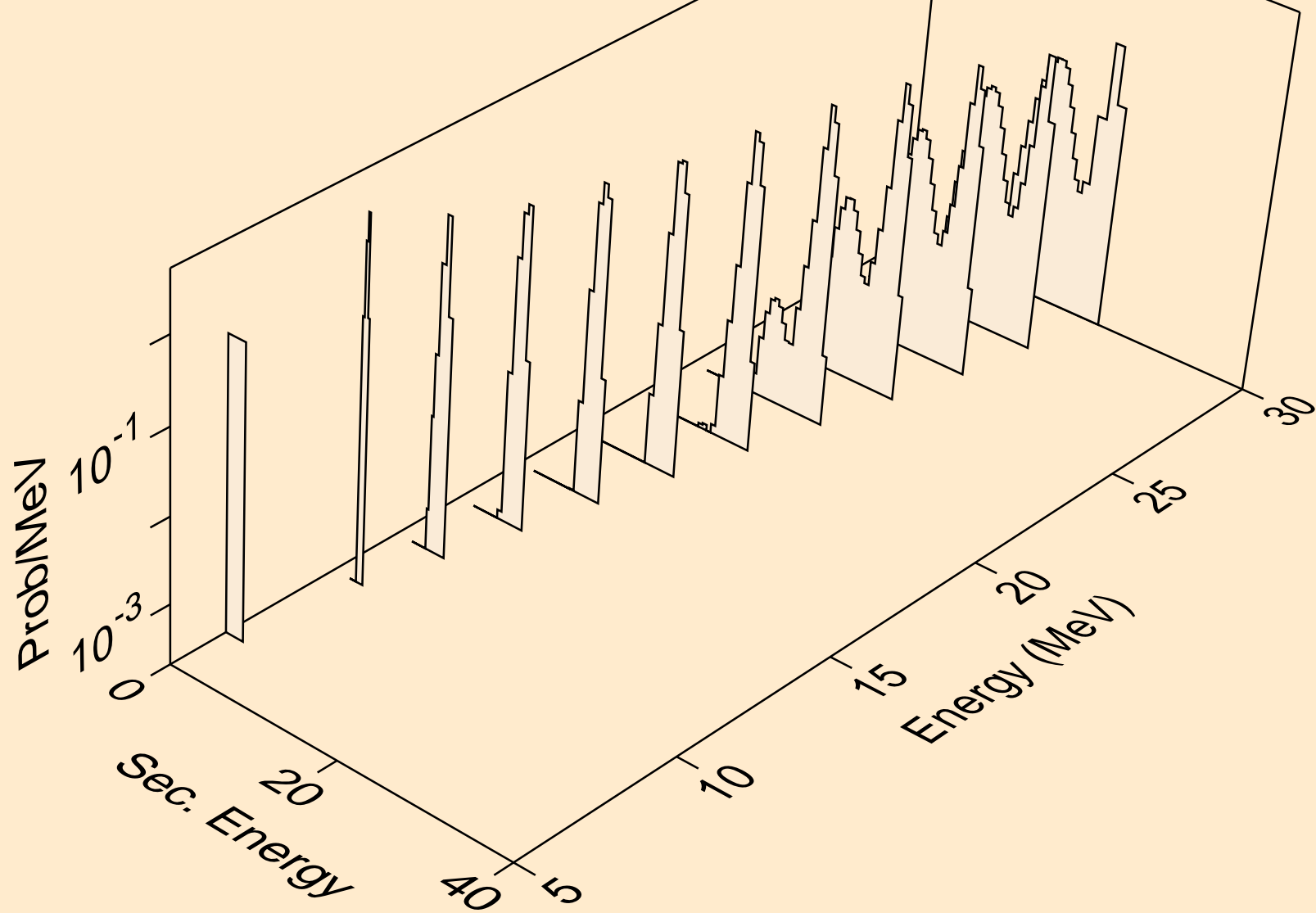
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)



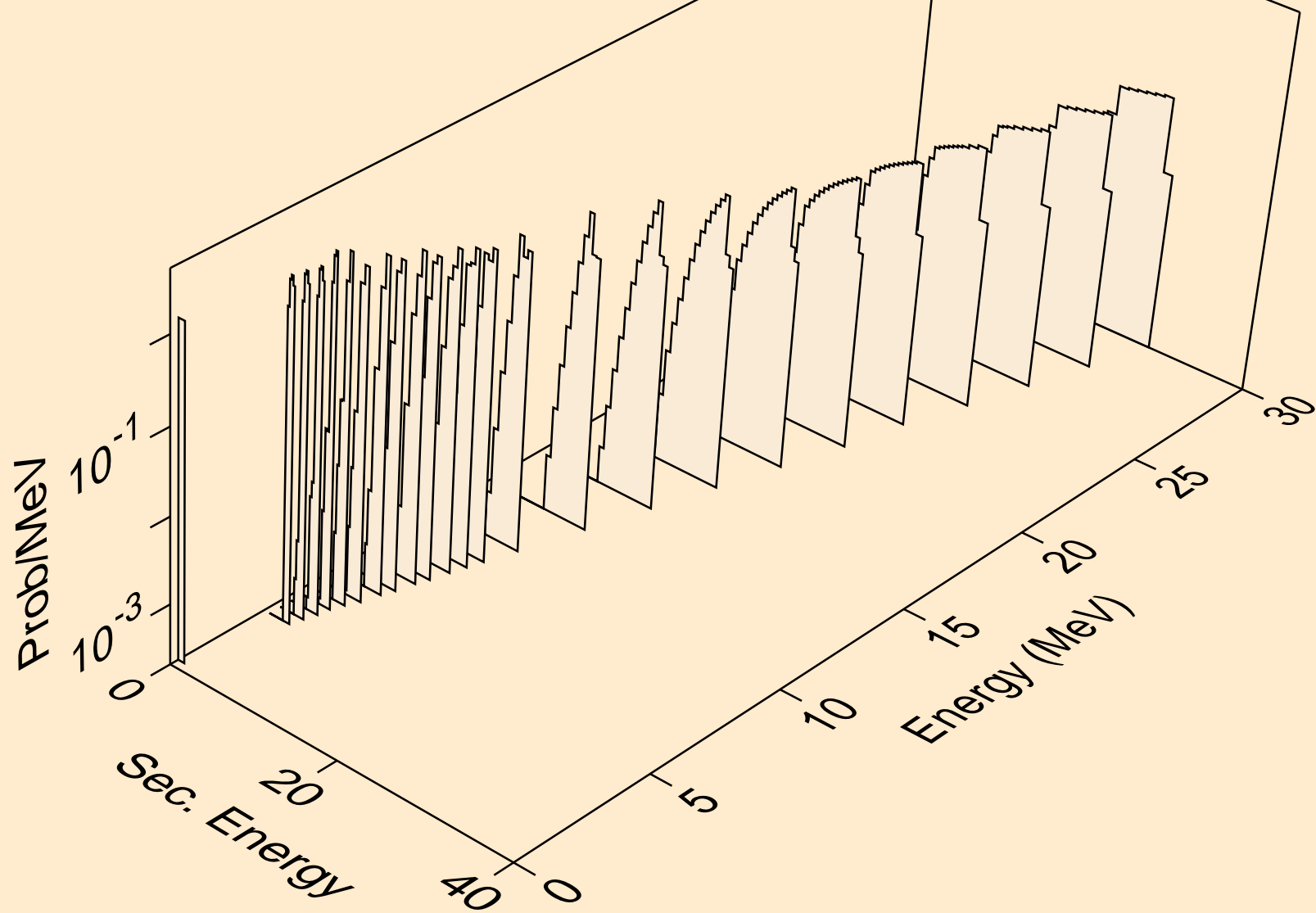
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,2nd)



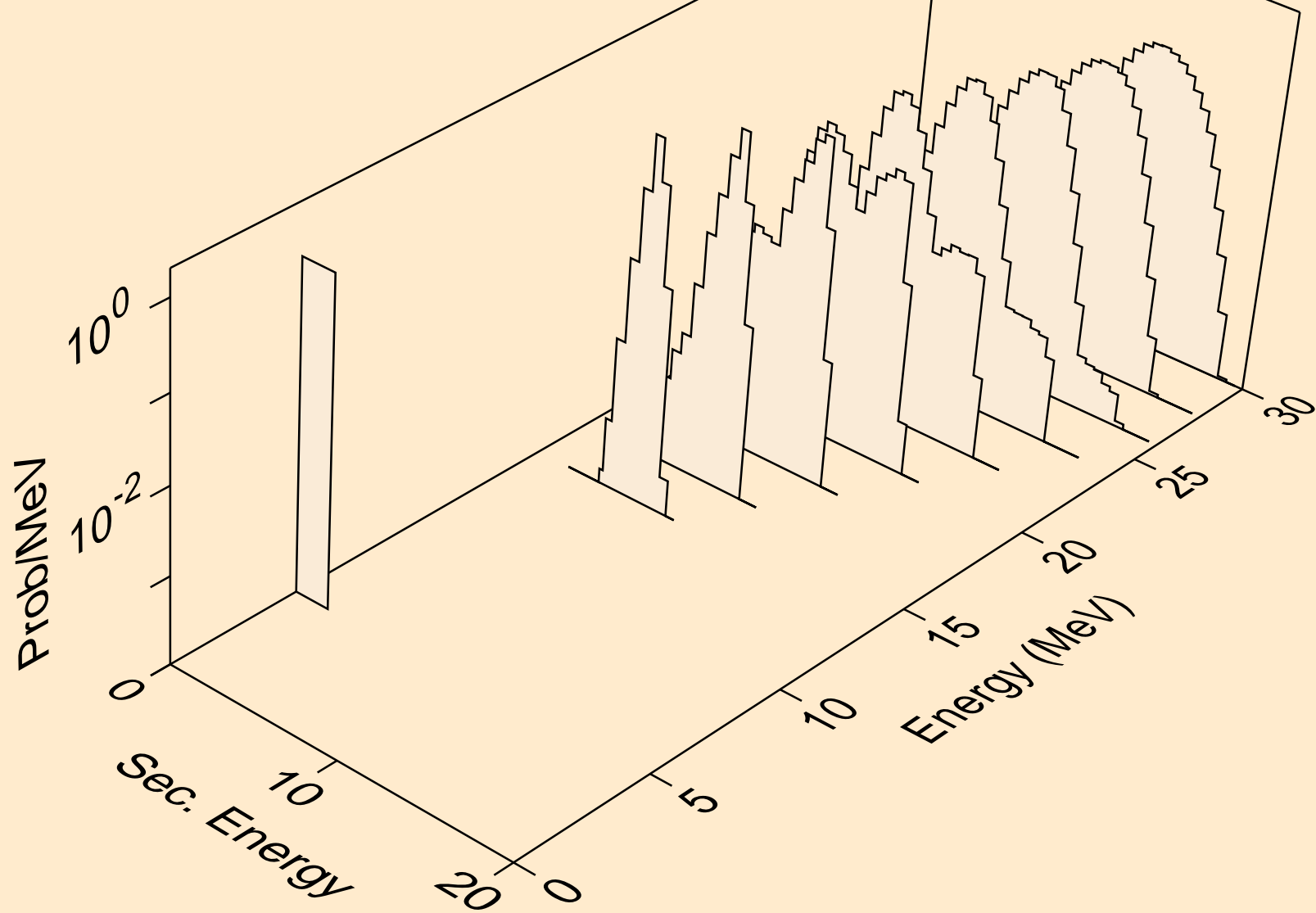
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,n\*)d



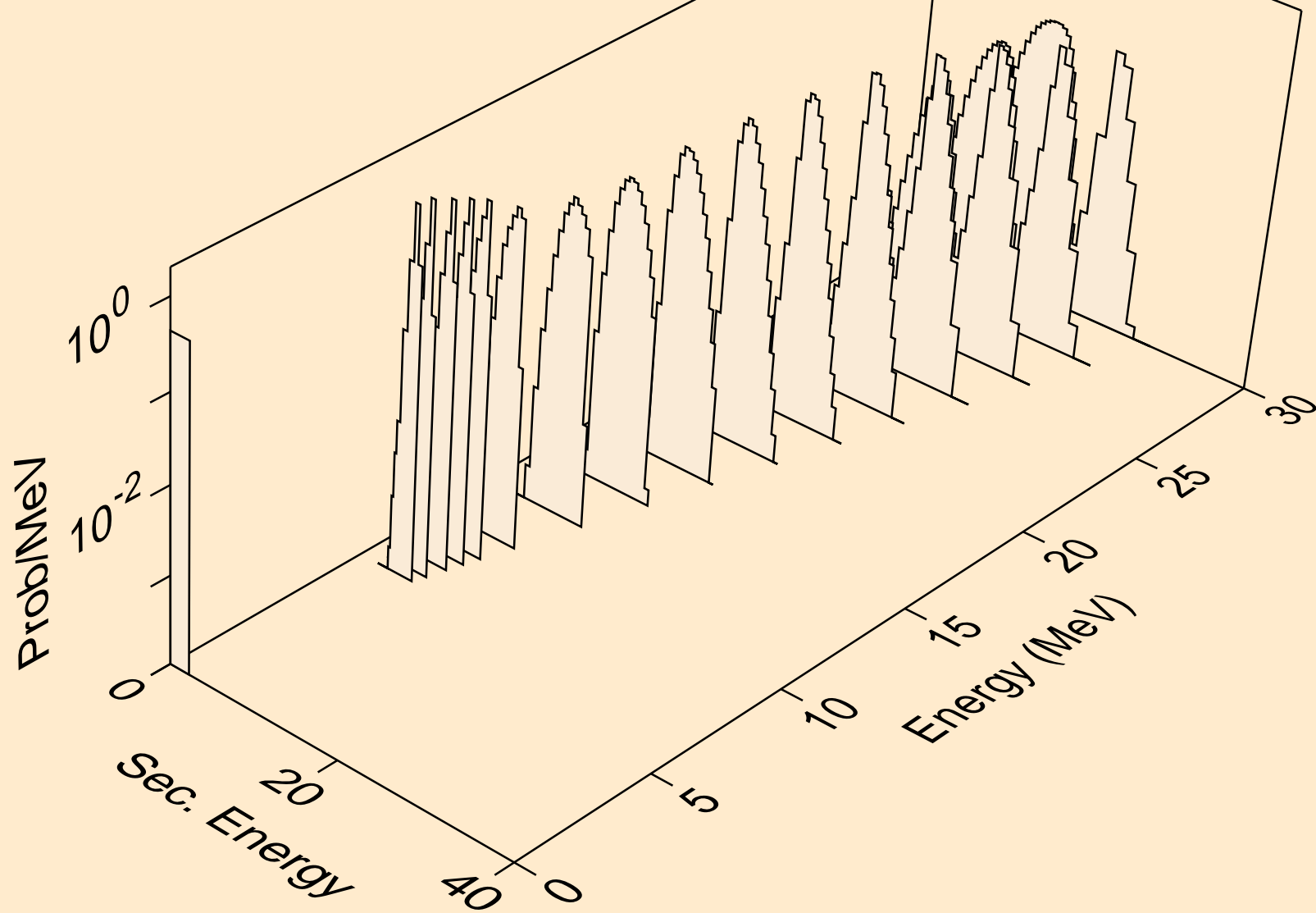
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,d)



NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,pd)

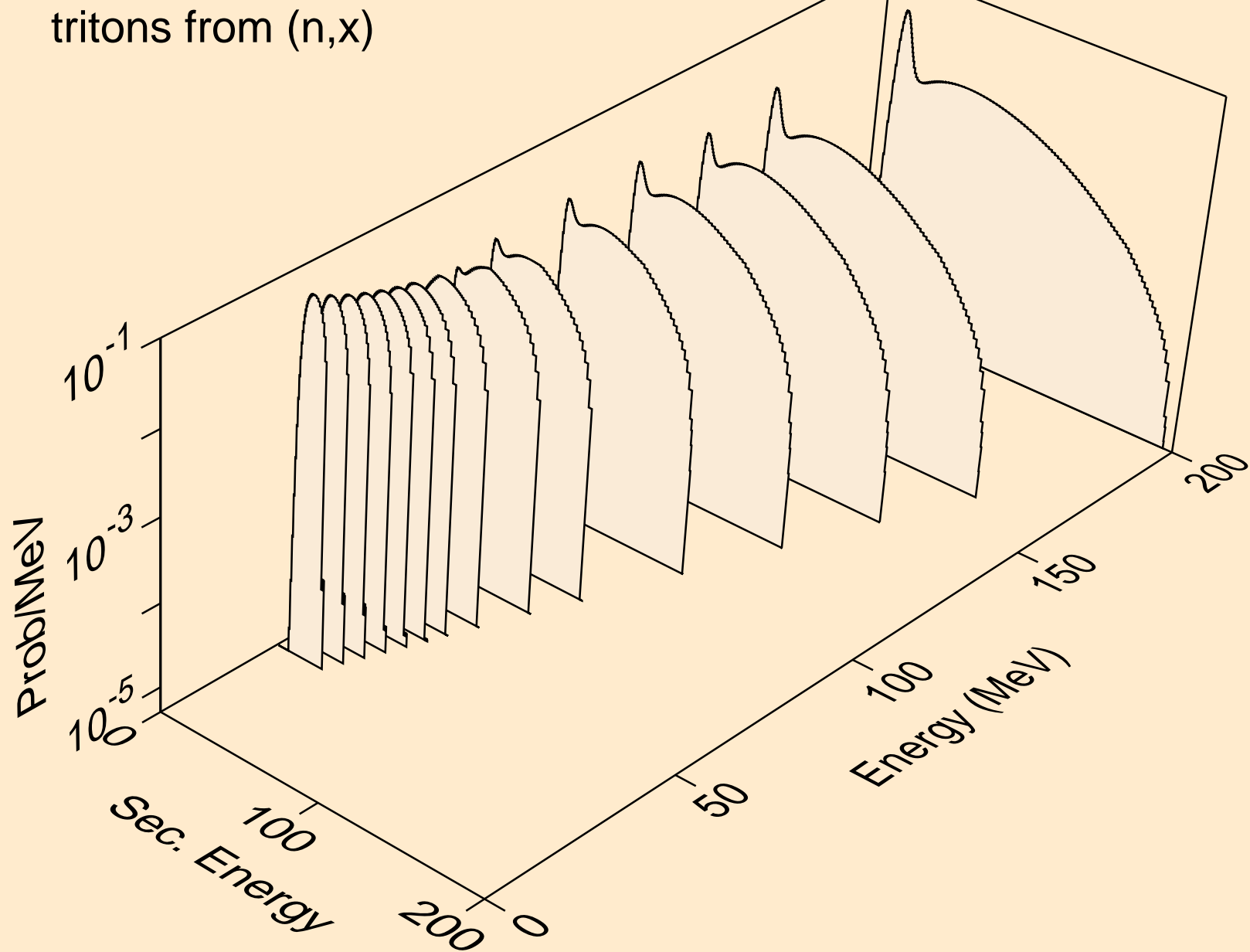


NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,da)

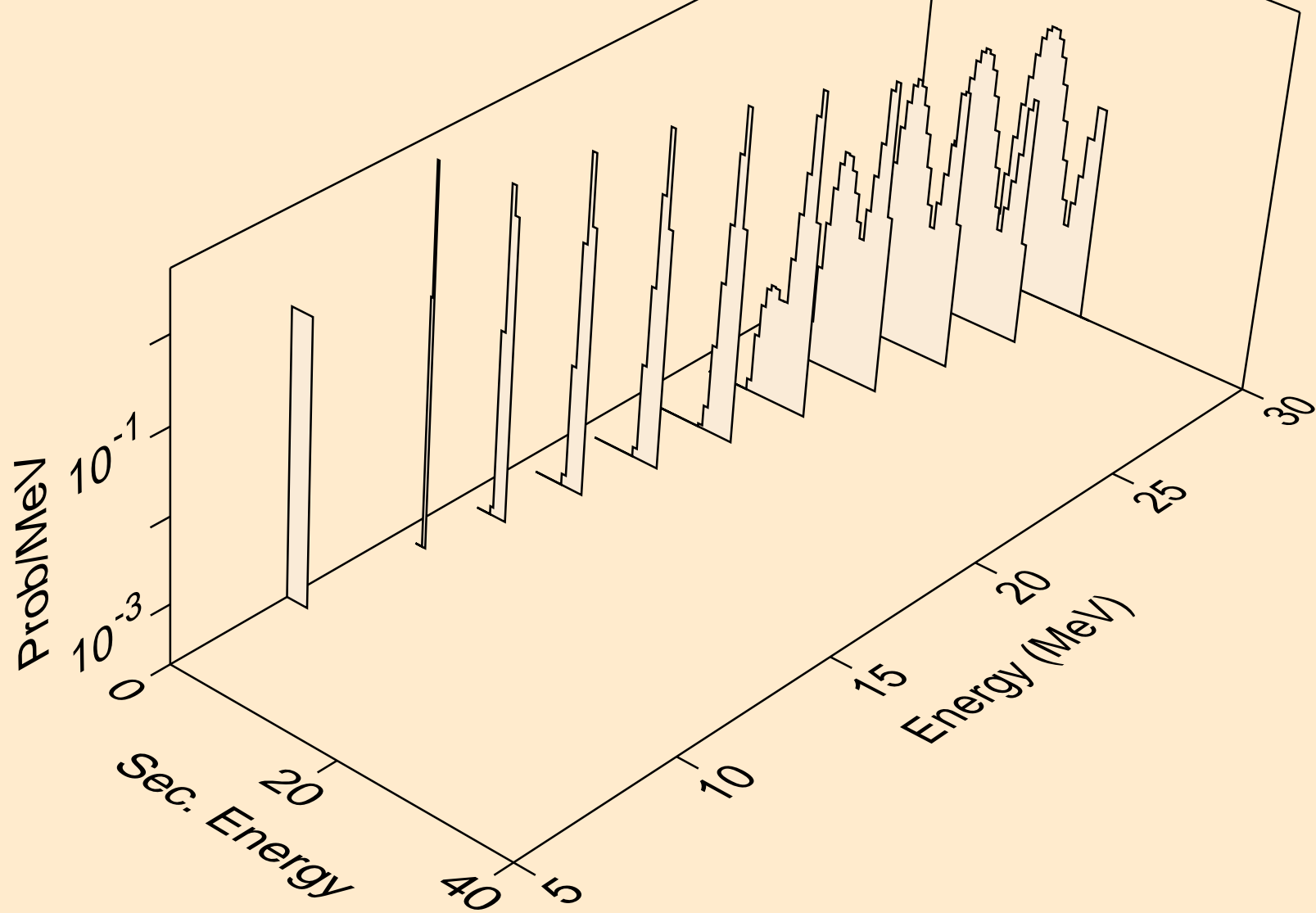




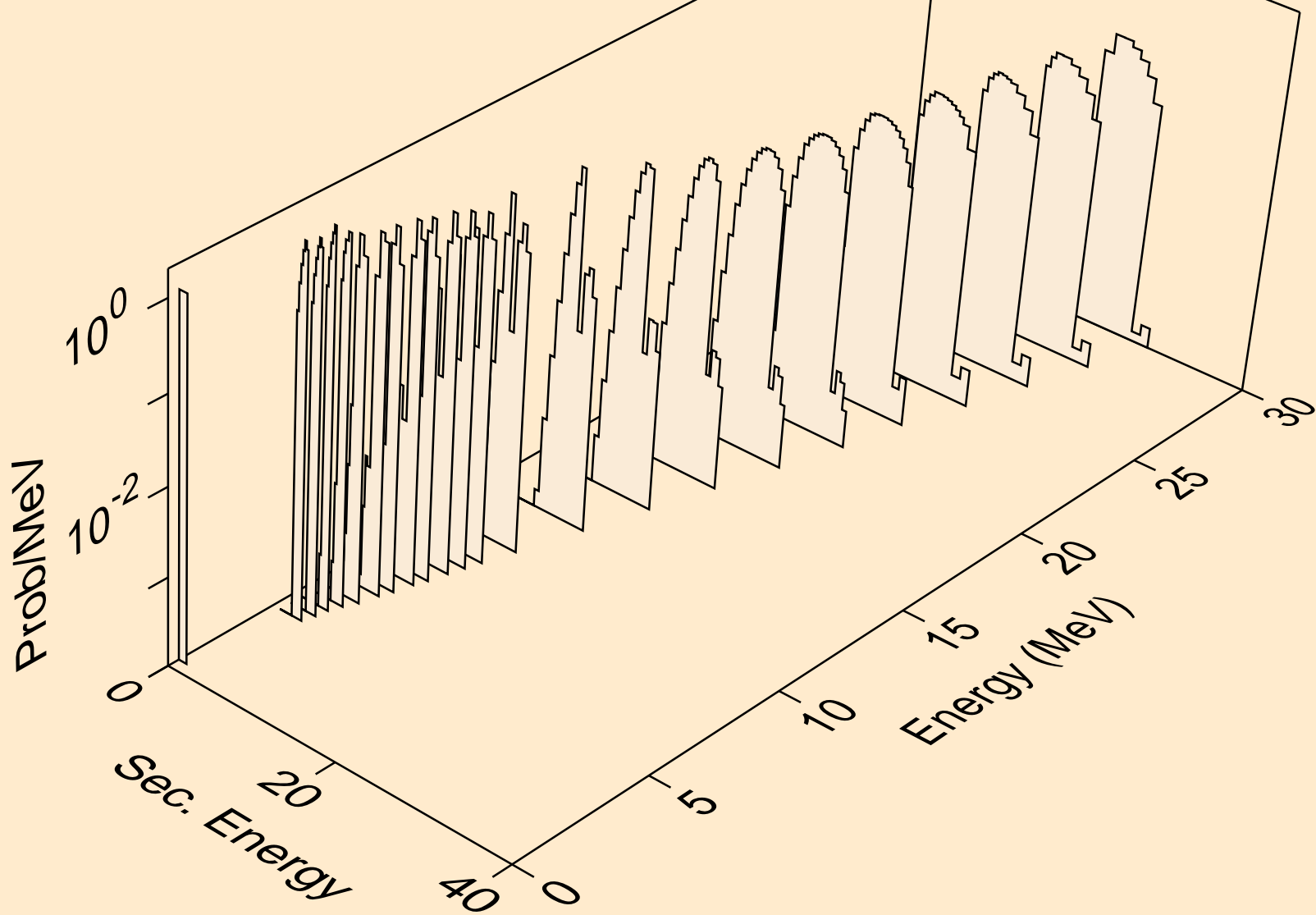
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)



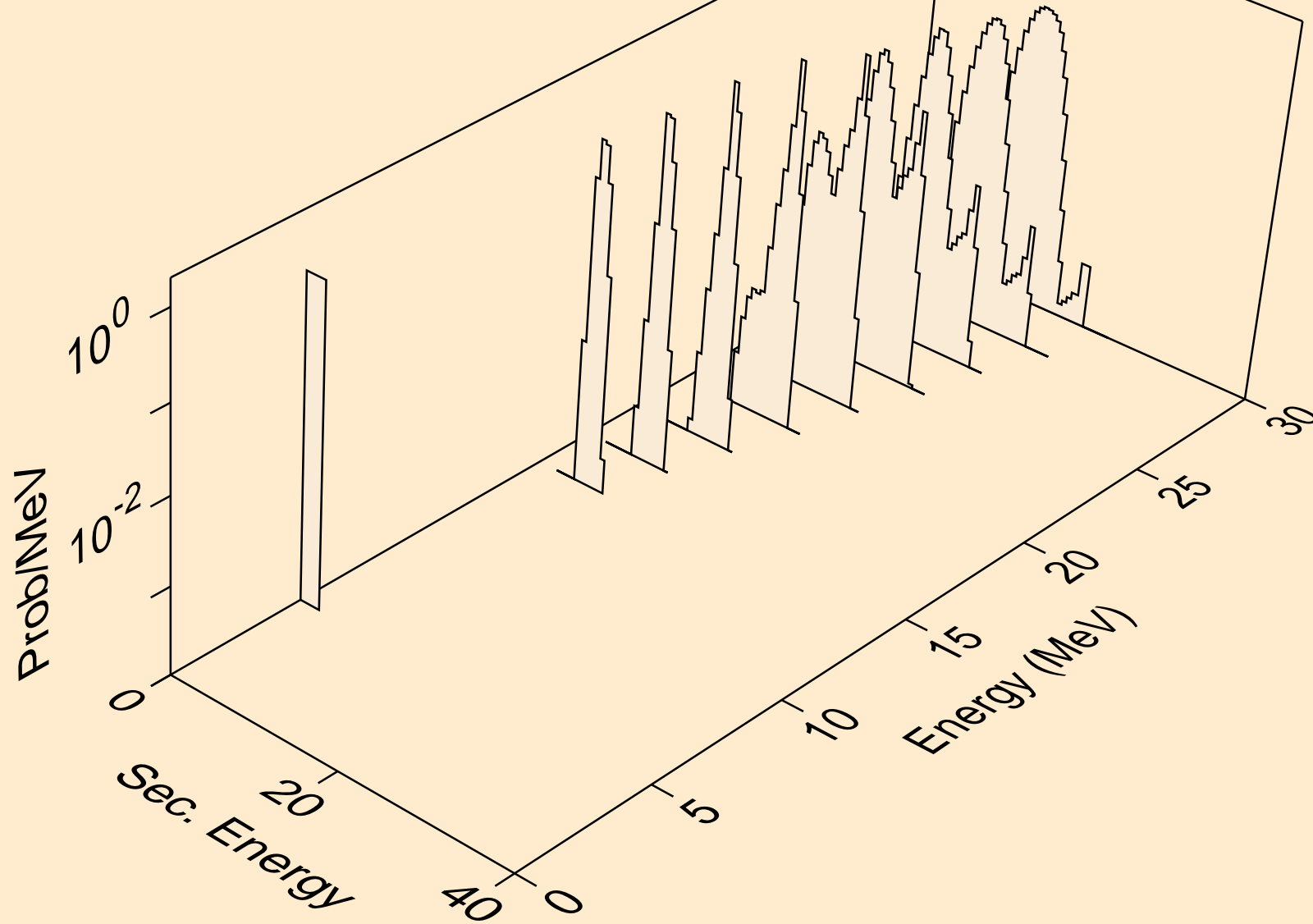
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



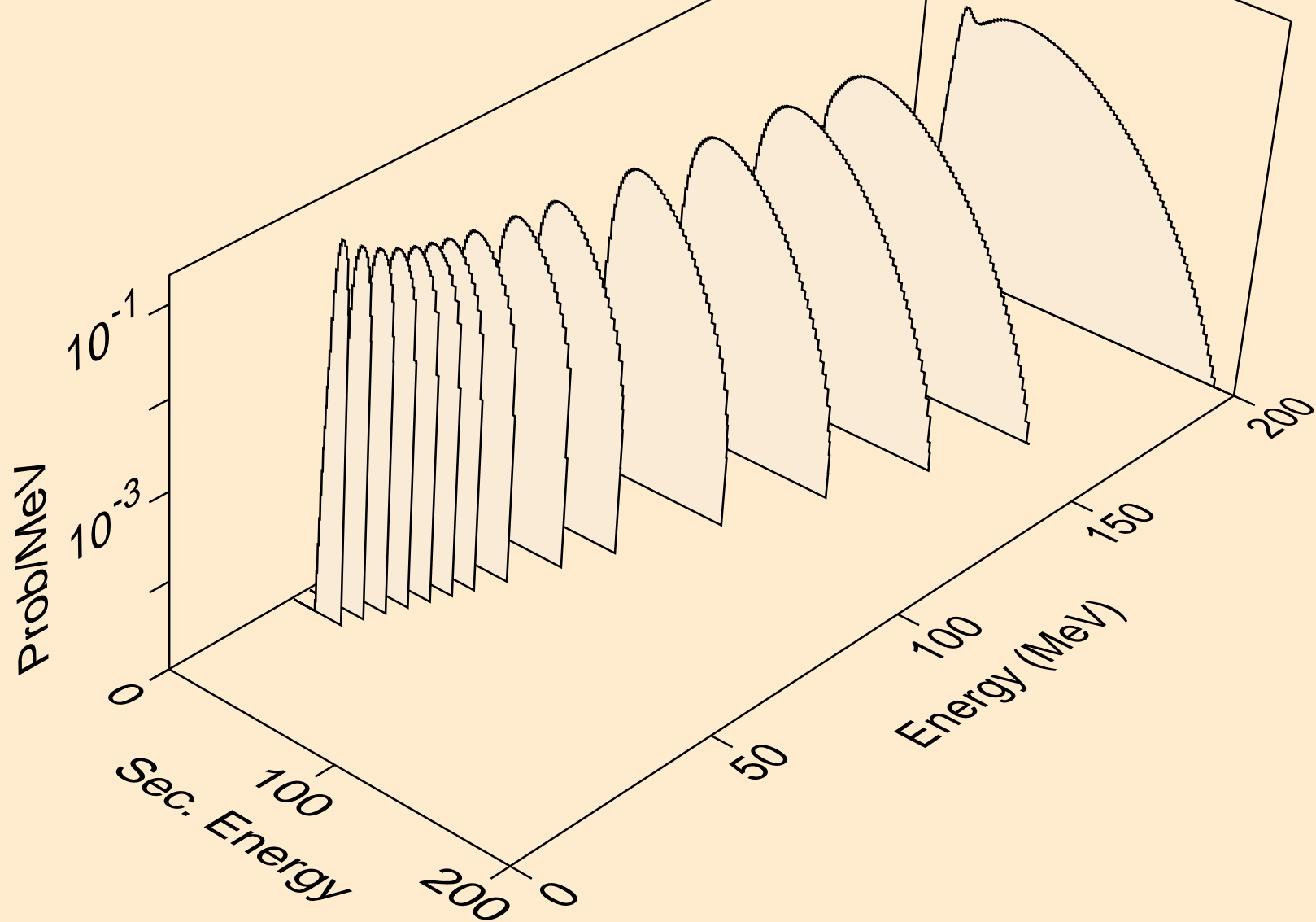
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,t)



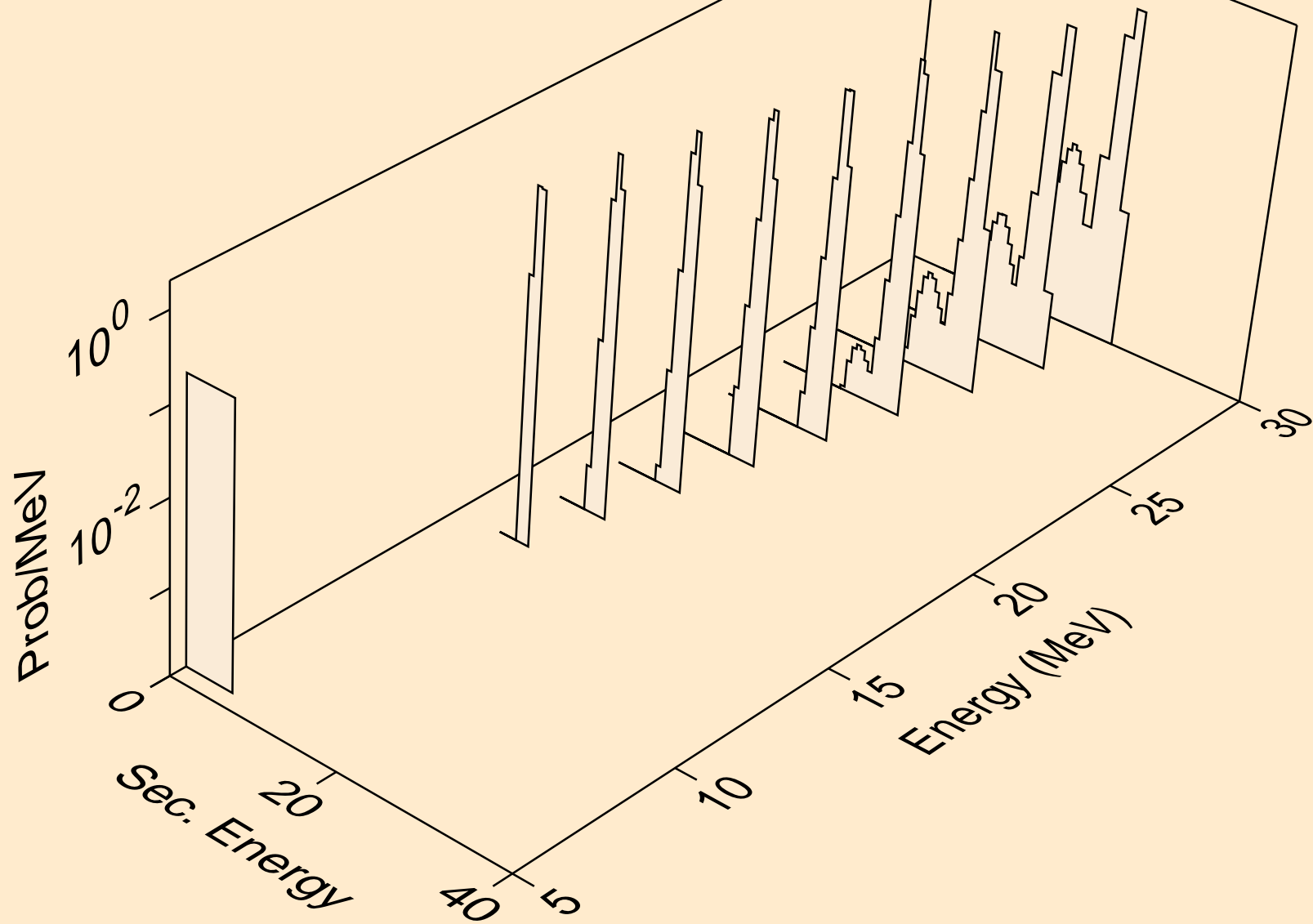
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,pt)



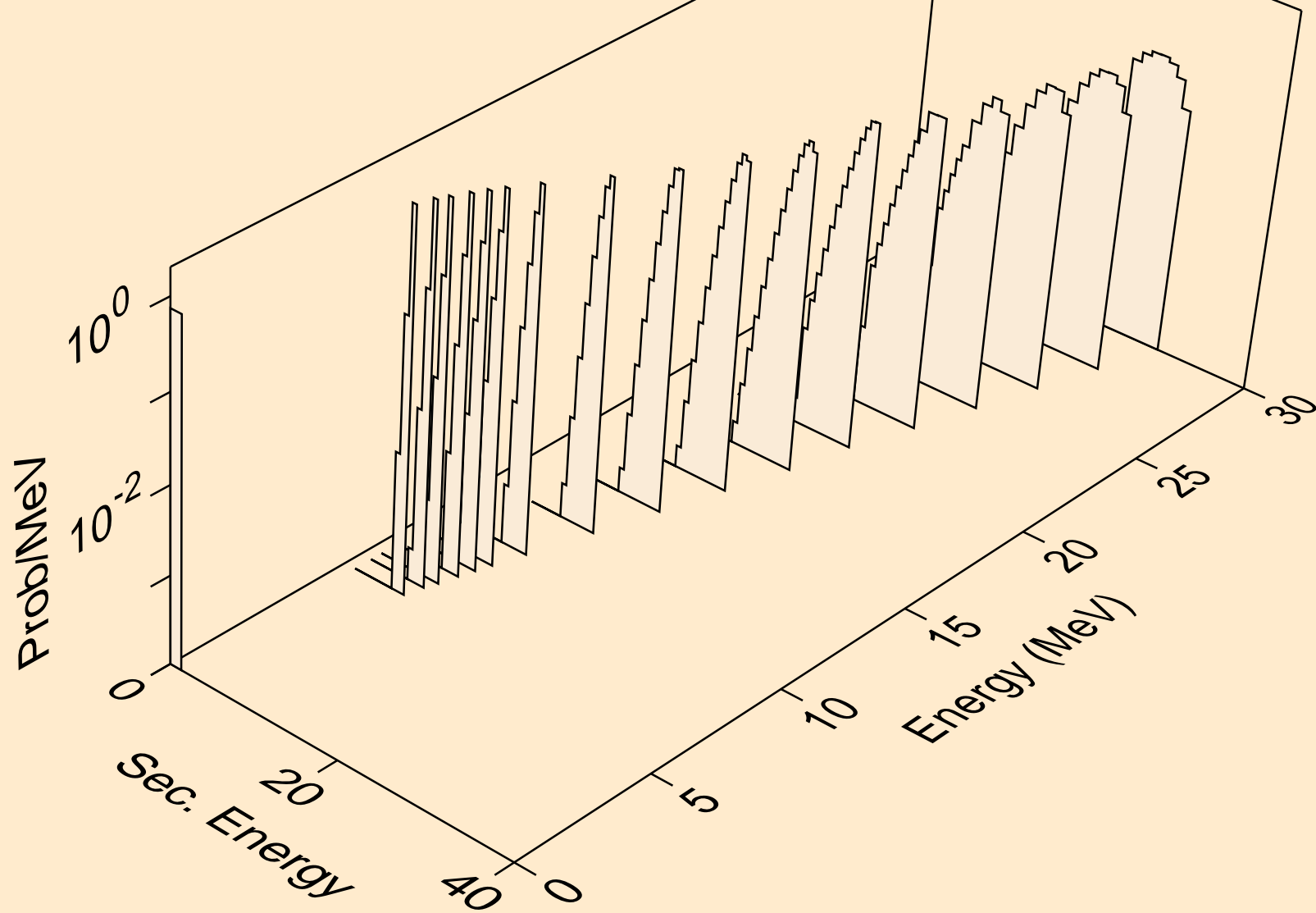
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)



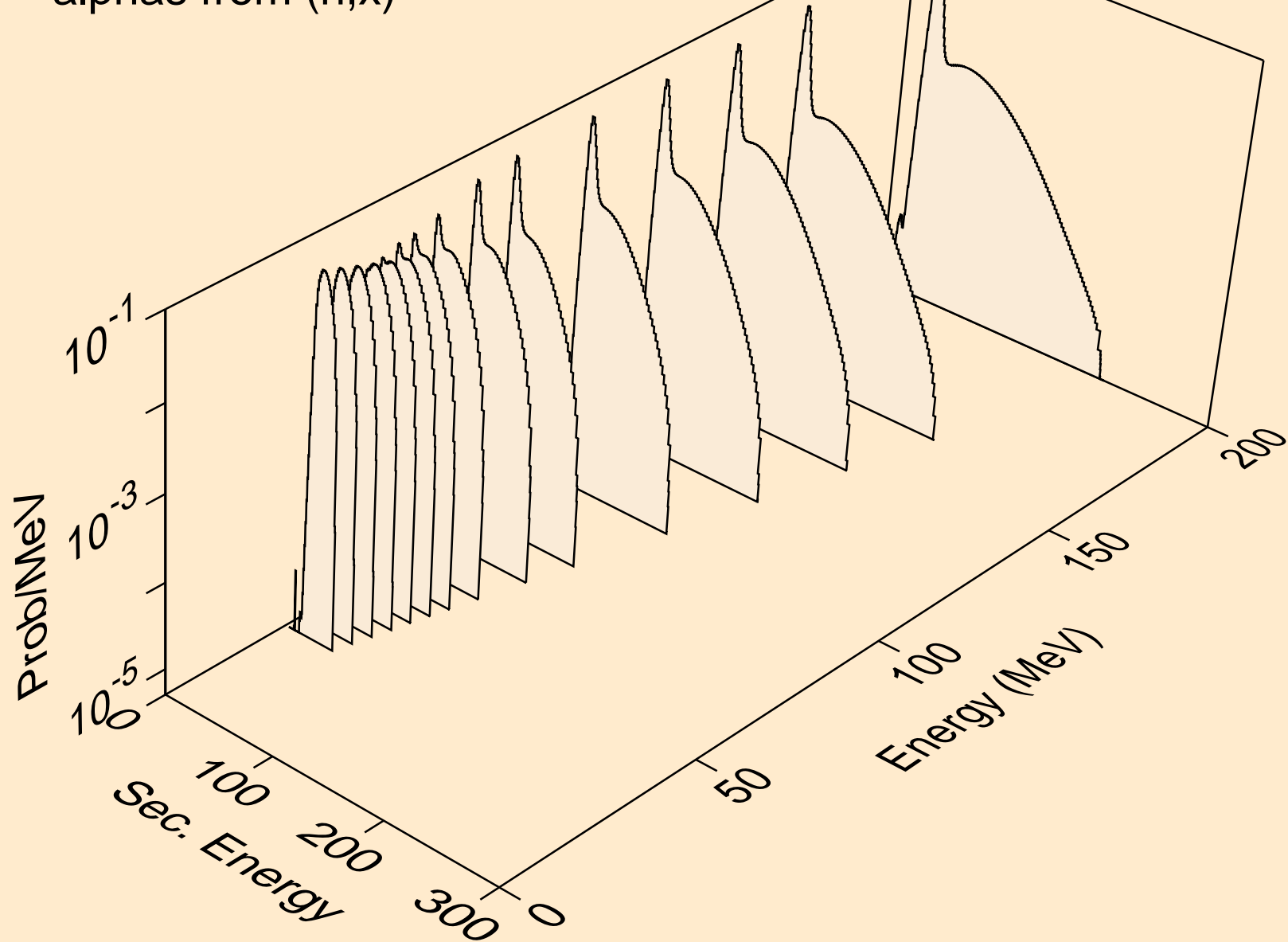
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3



NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)

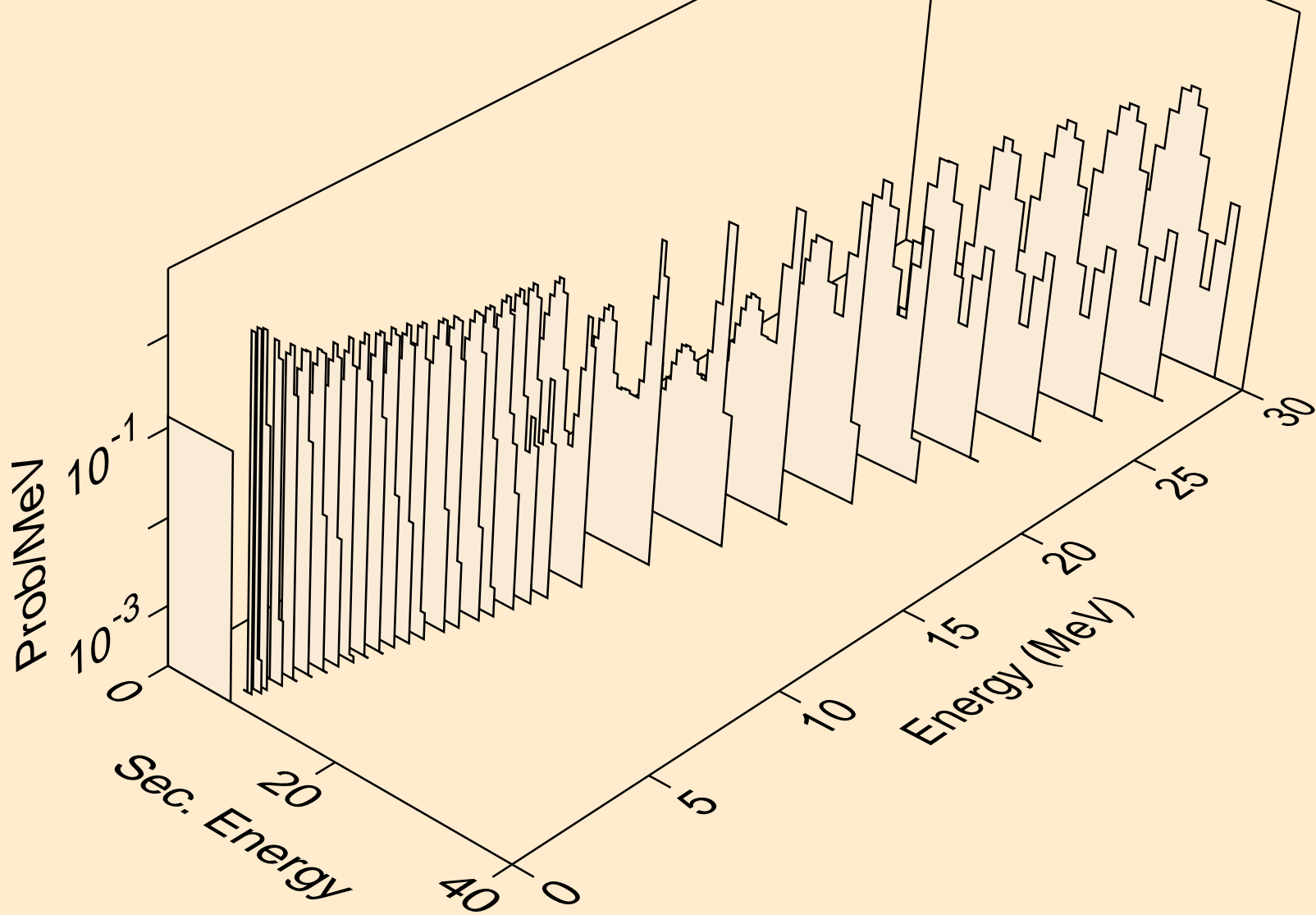


NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)

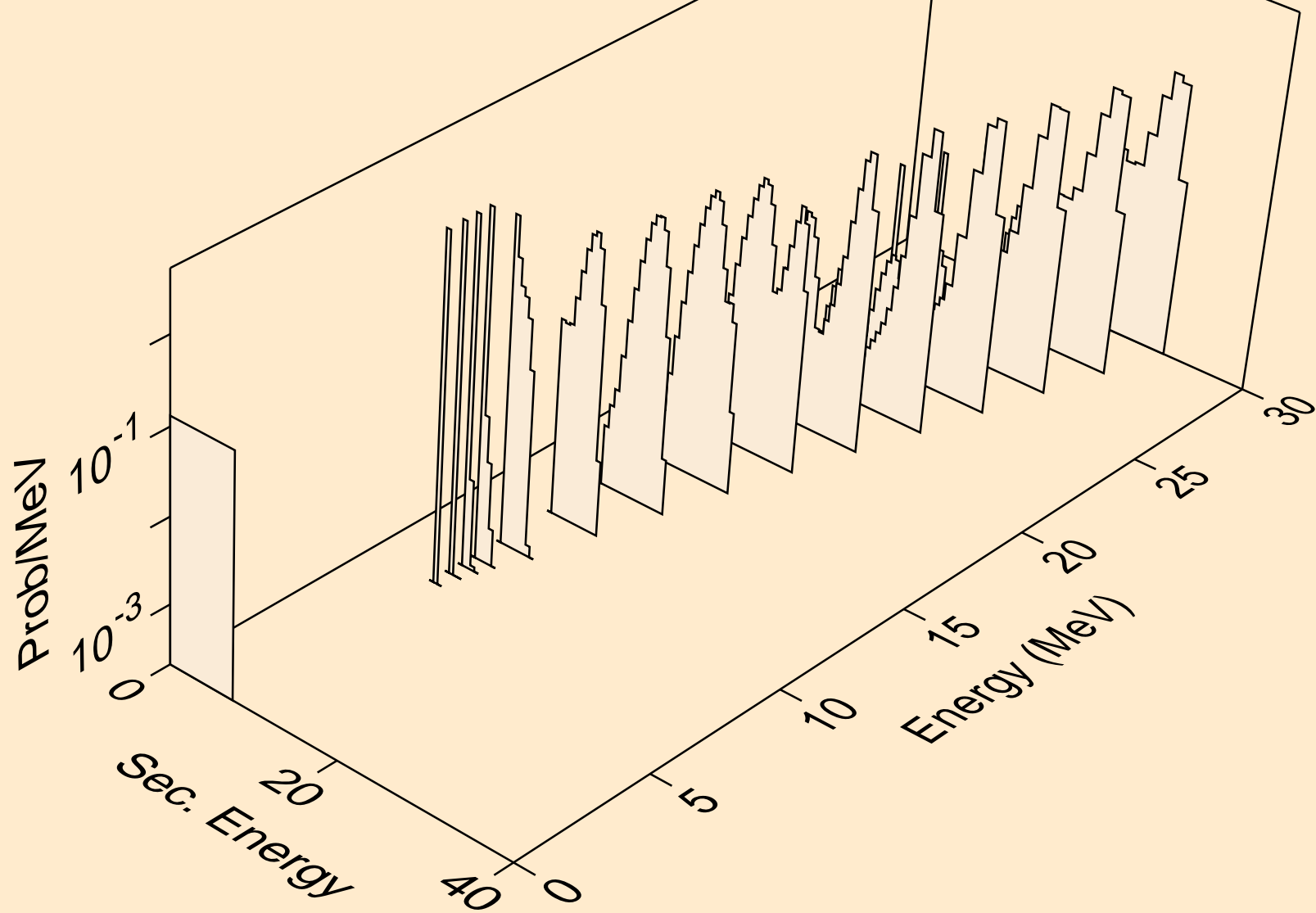




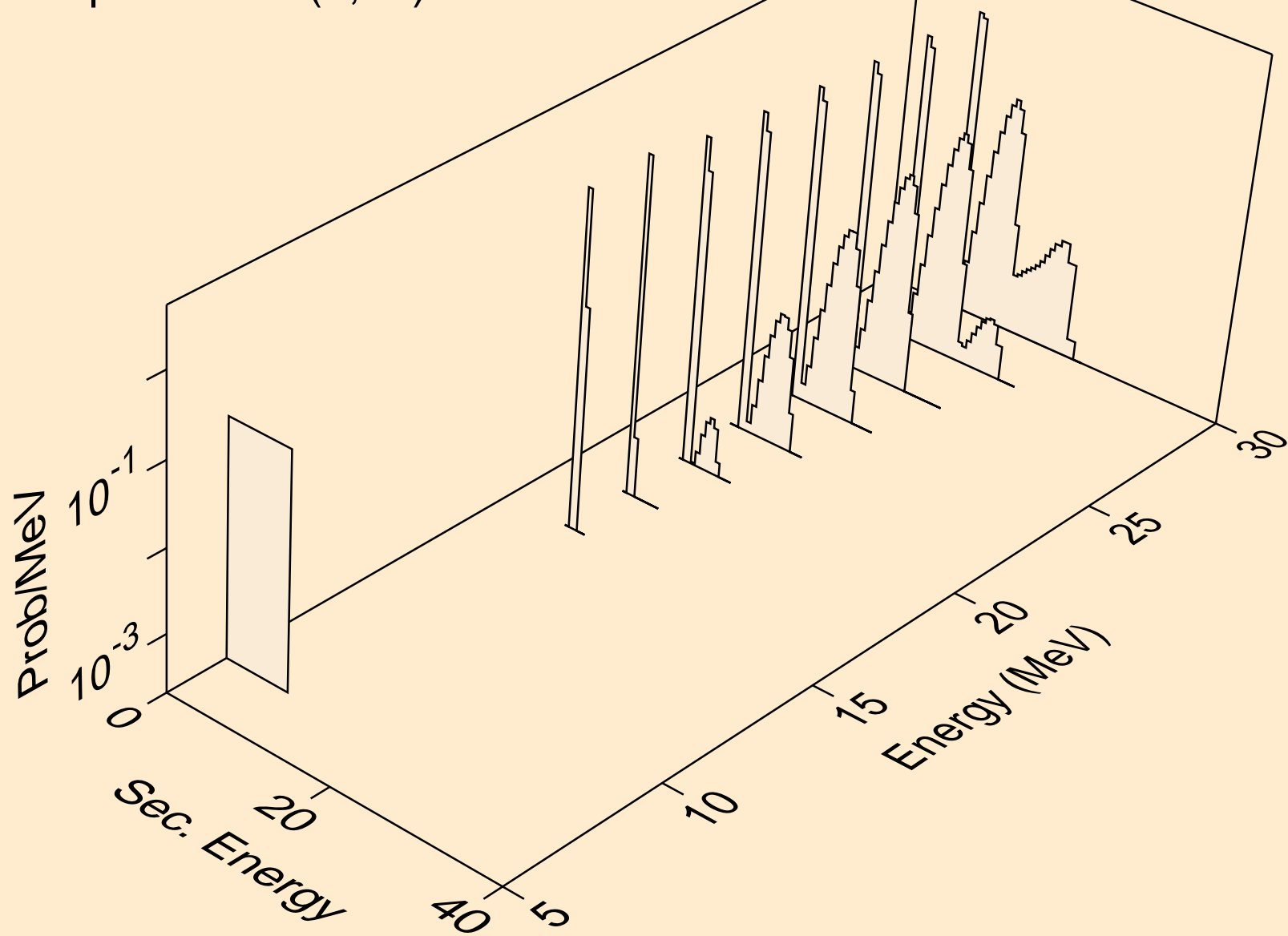
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



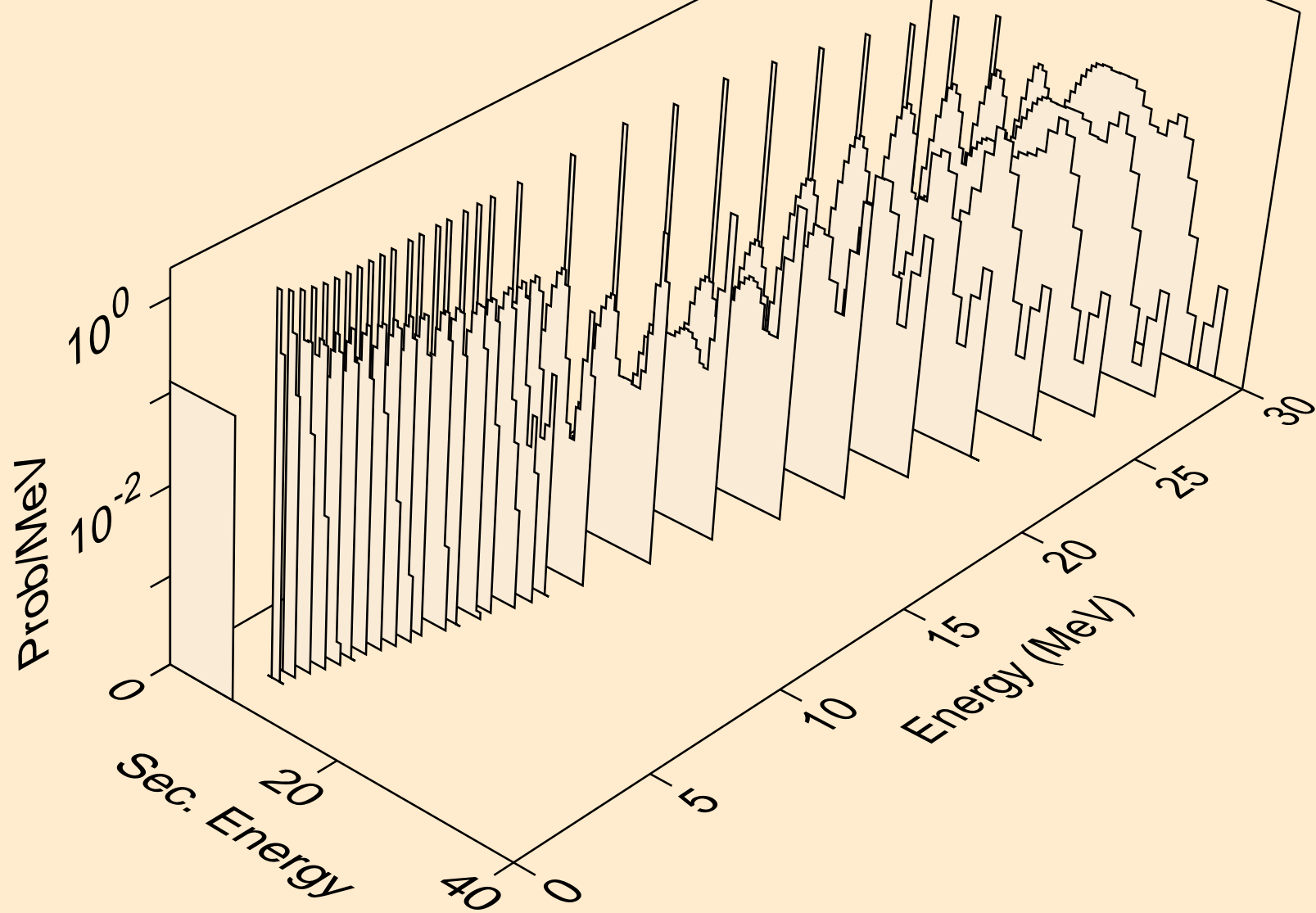
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



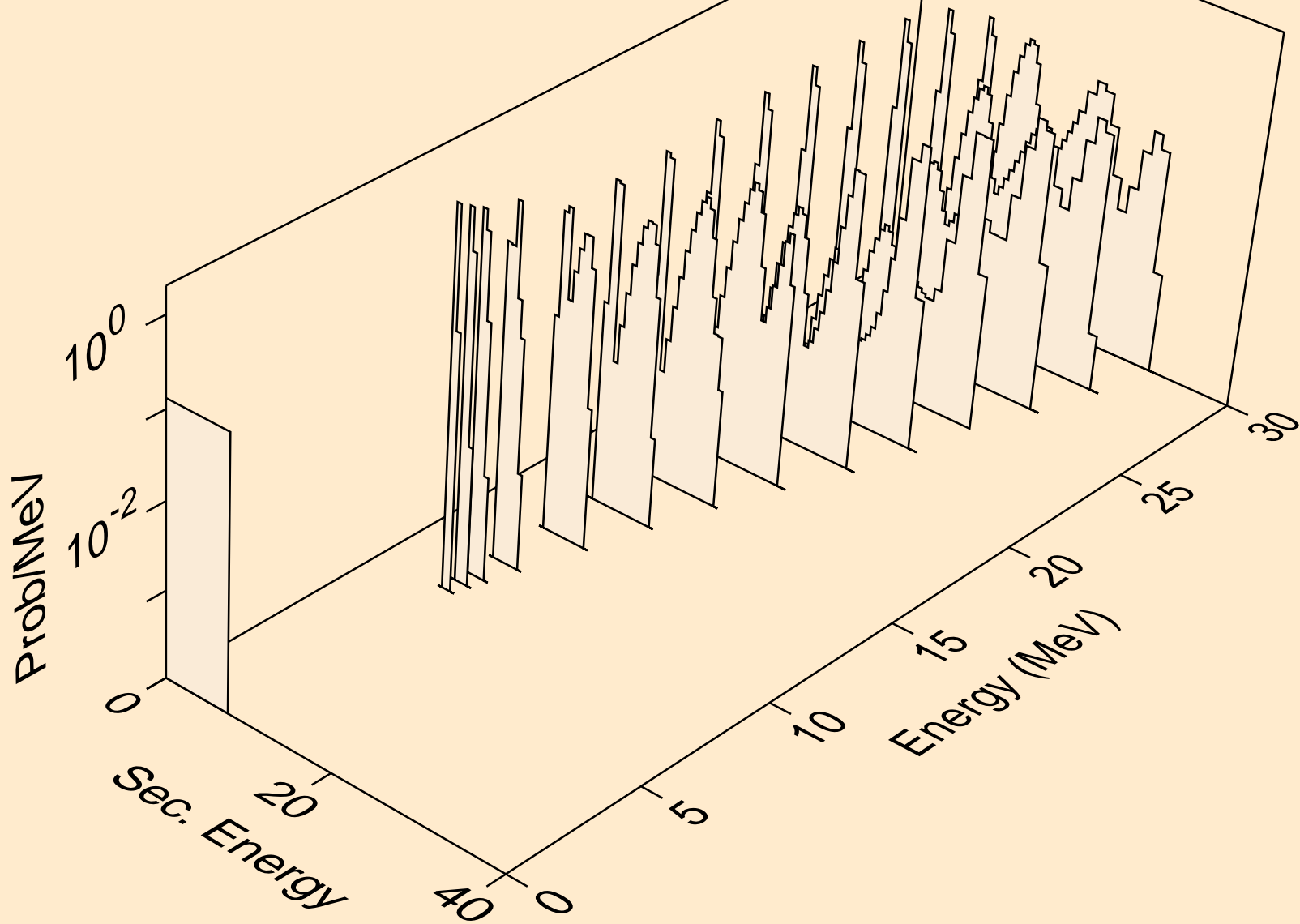
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a



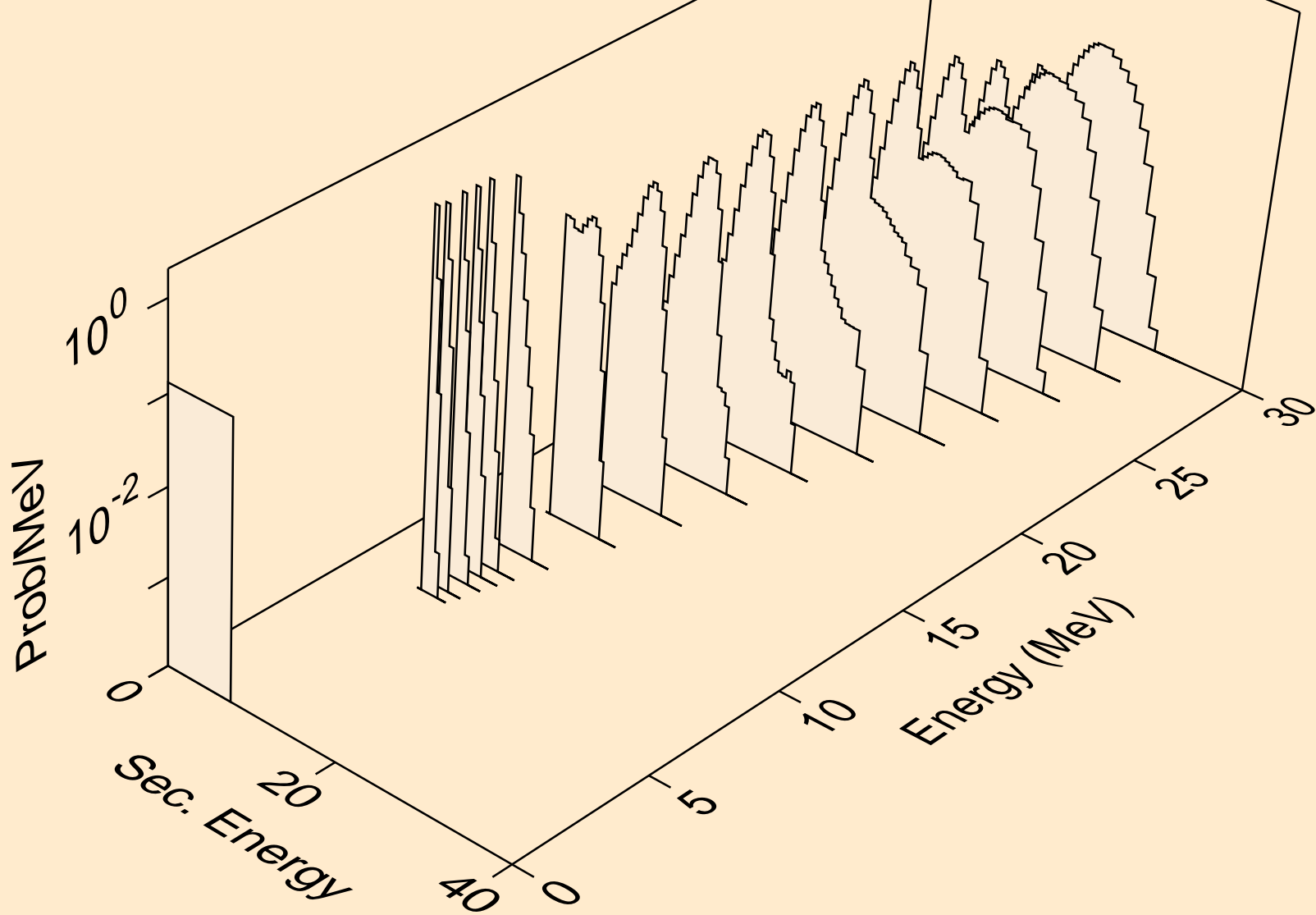
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)2a



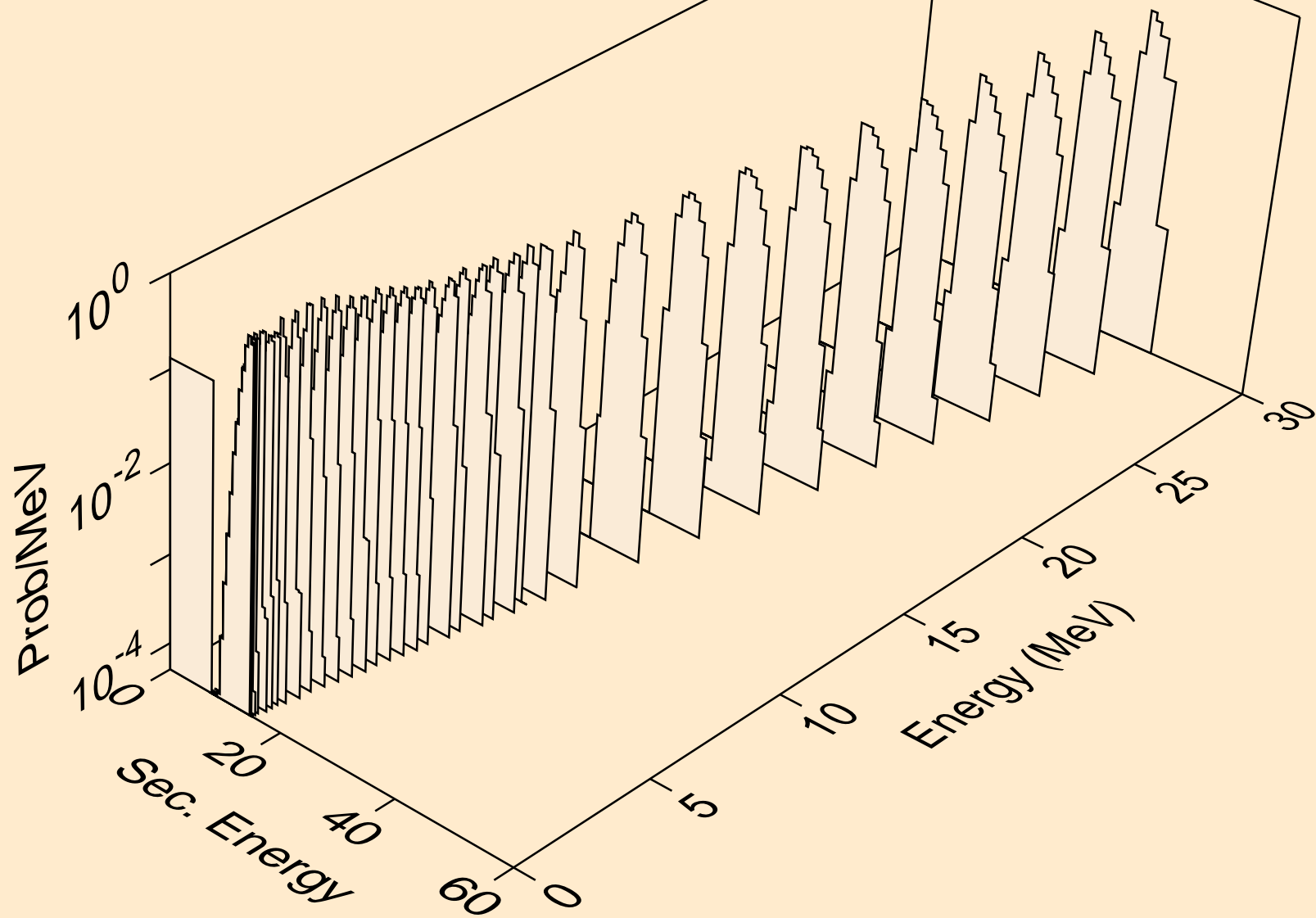
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)2a



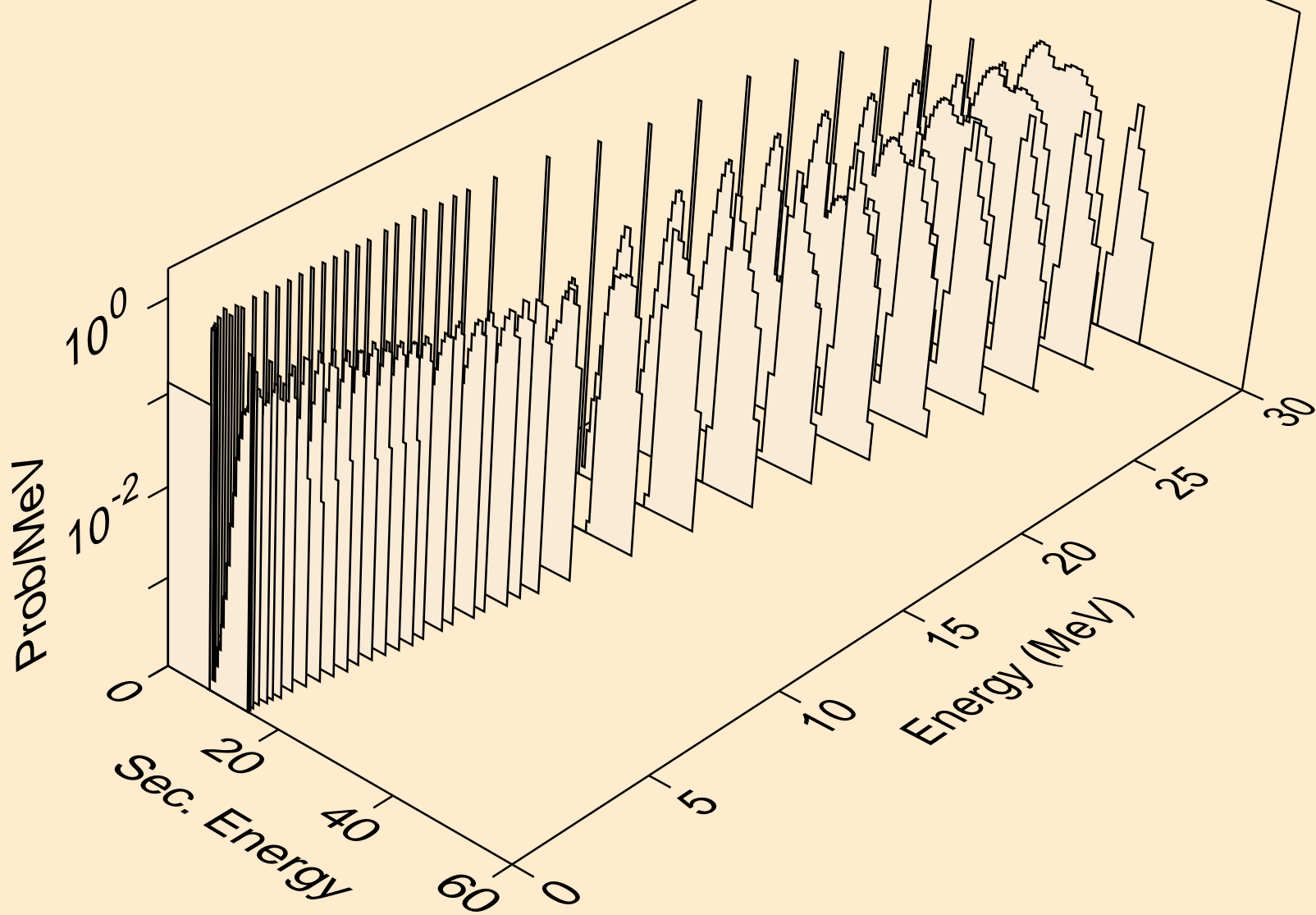
NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)



NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)

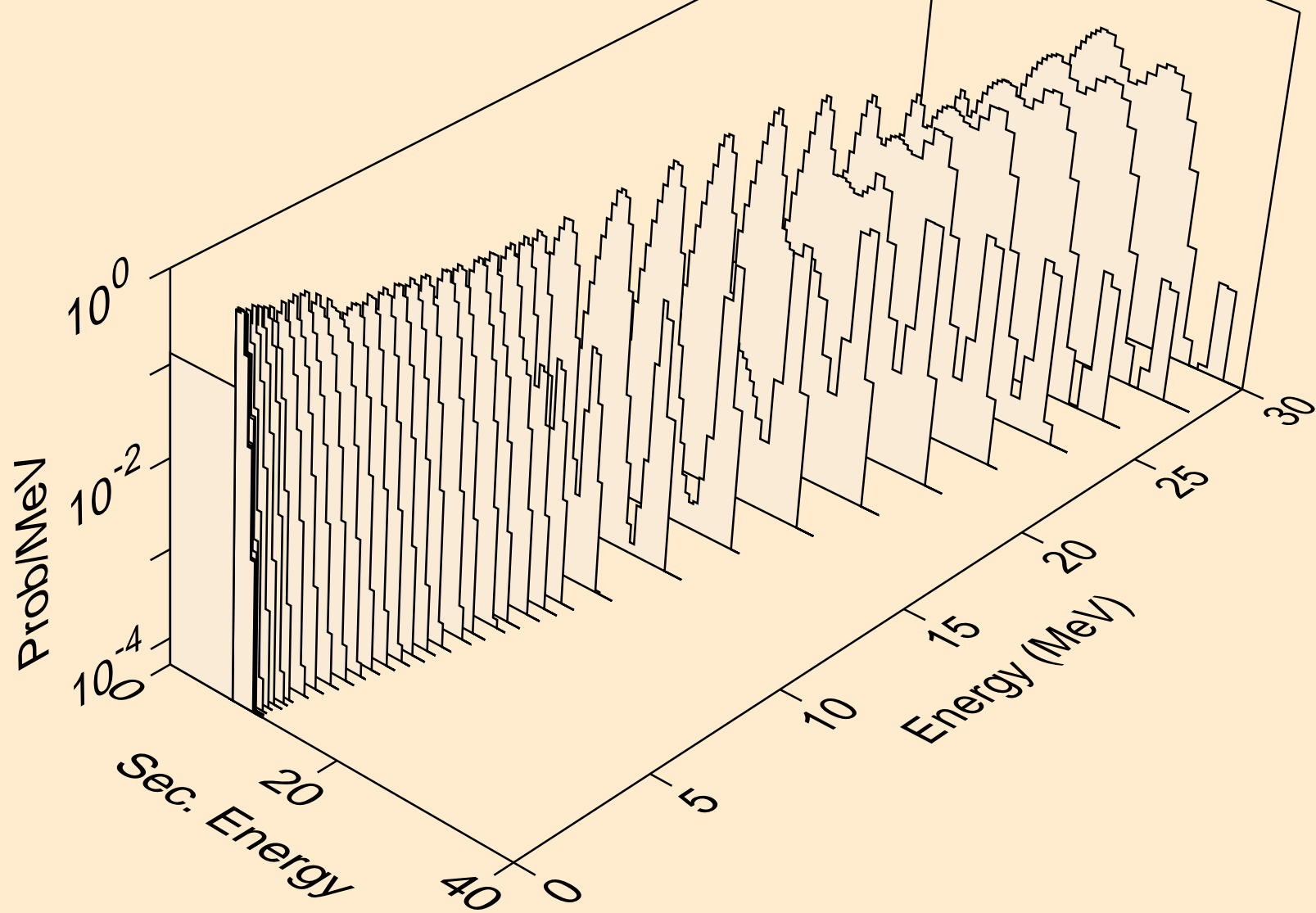


NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)





NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



NP228 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

