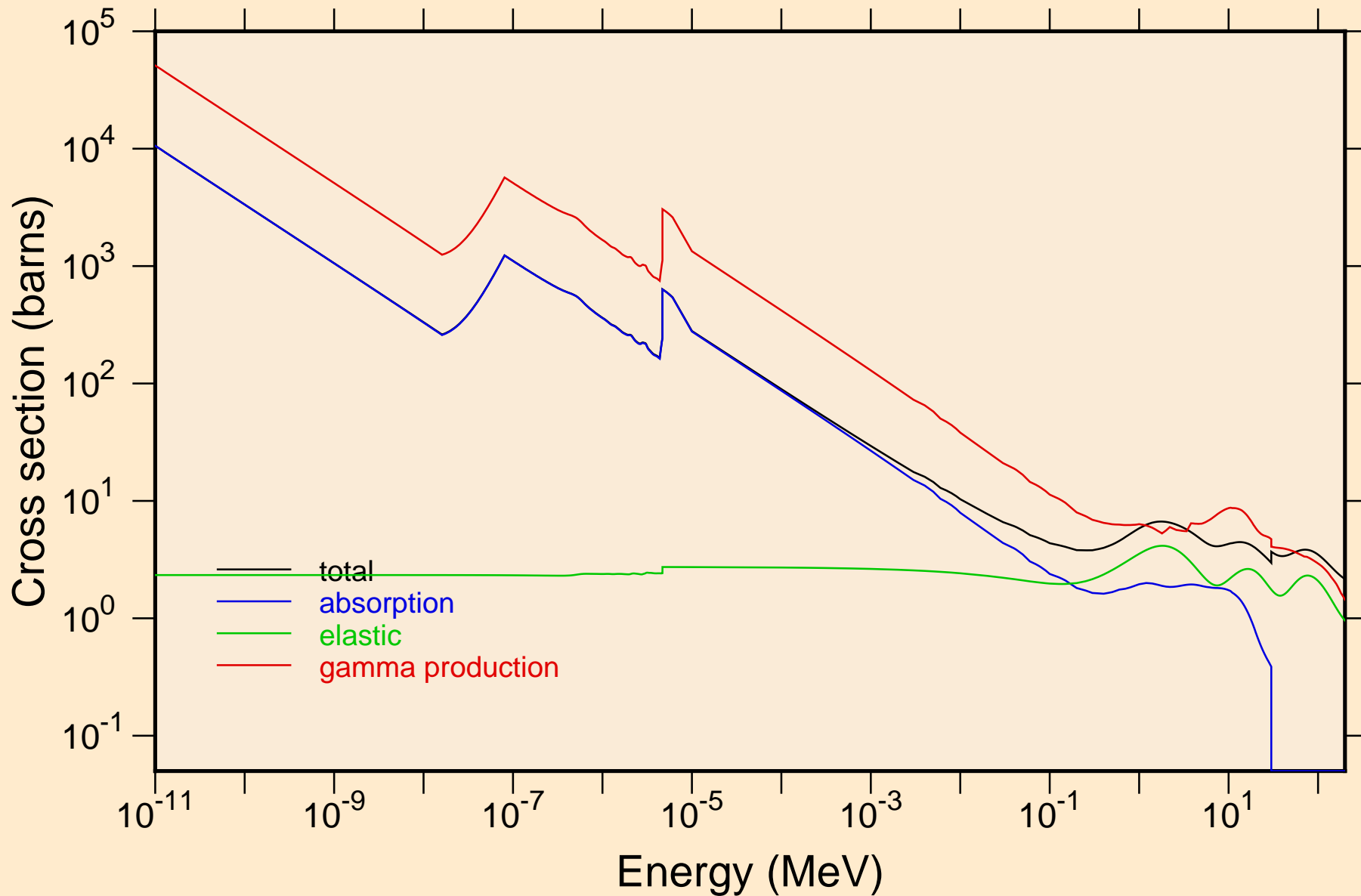


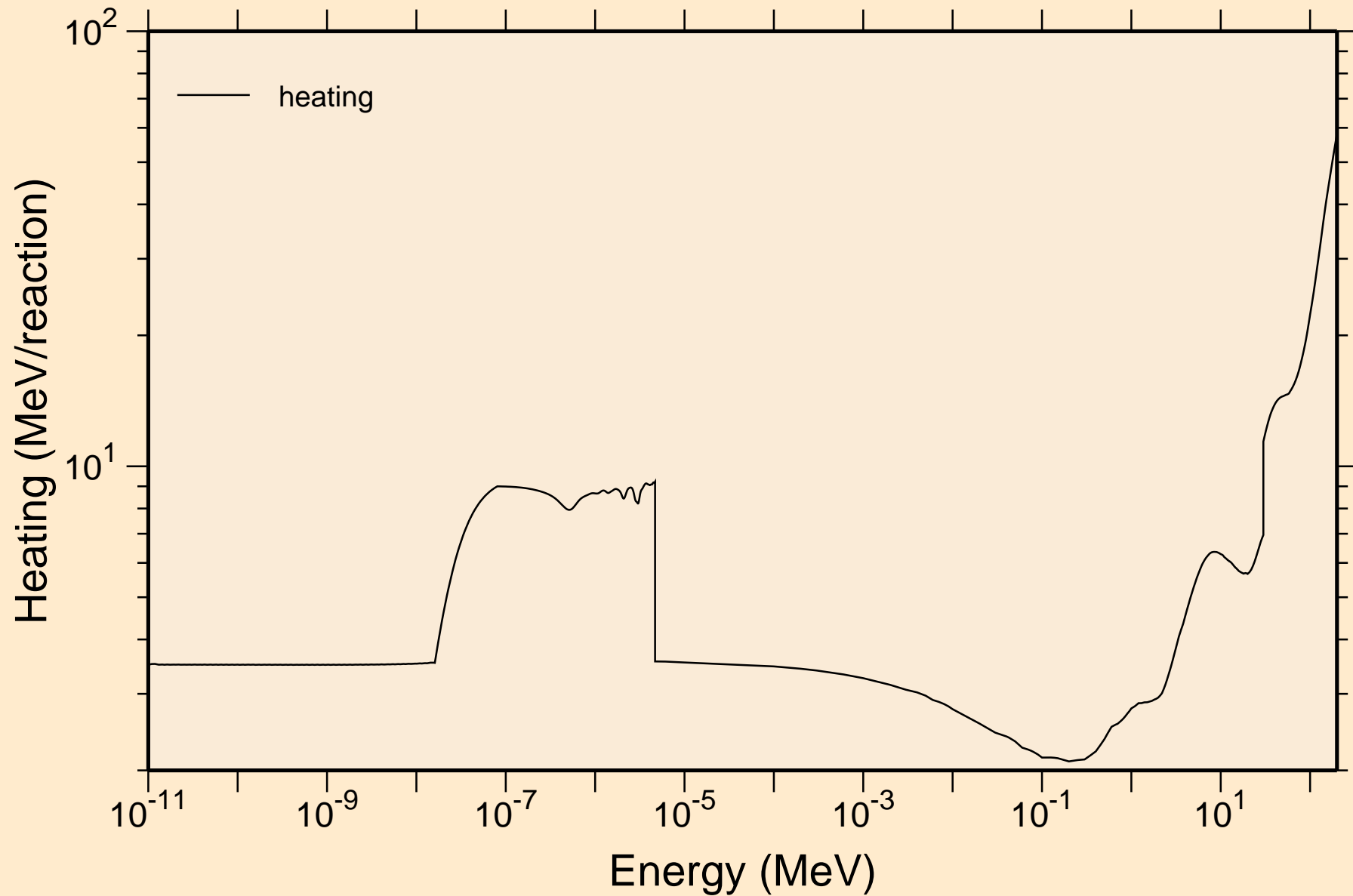
# SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

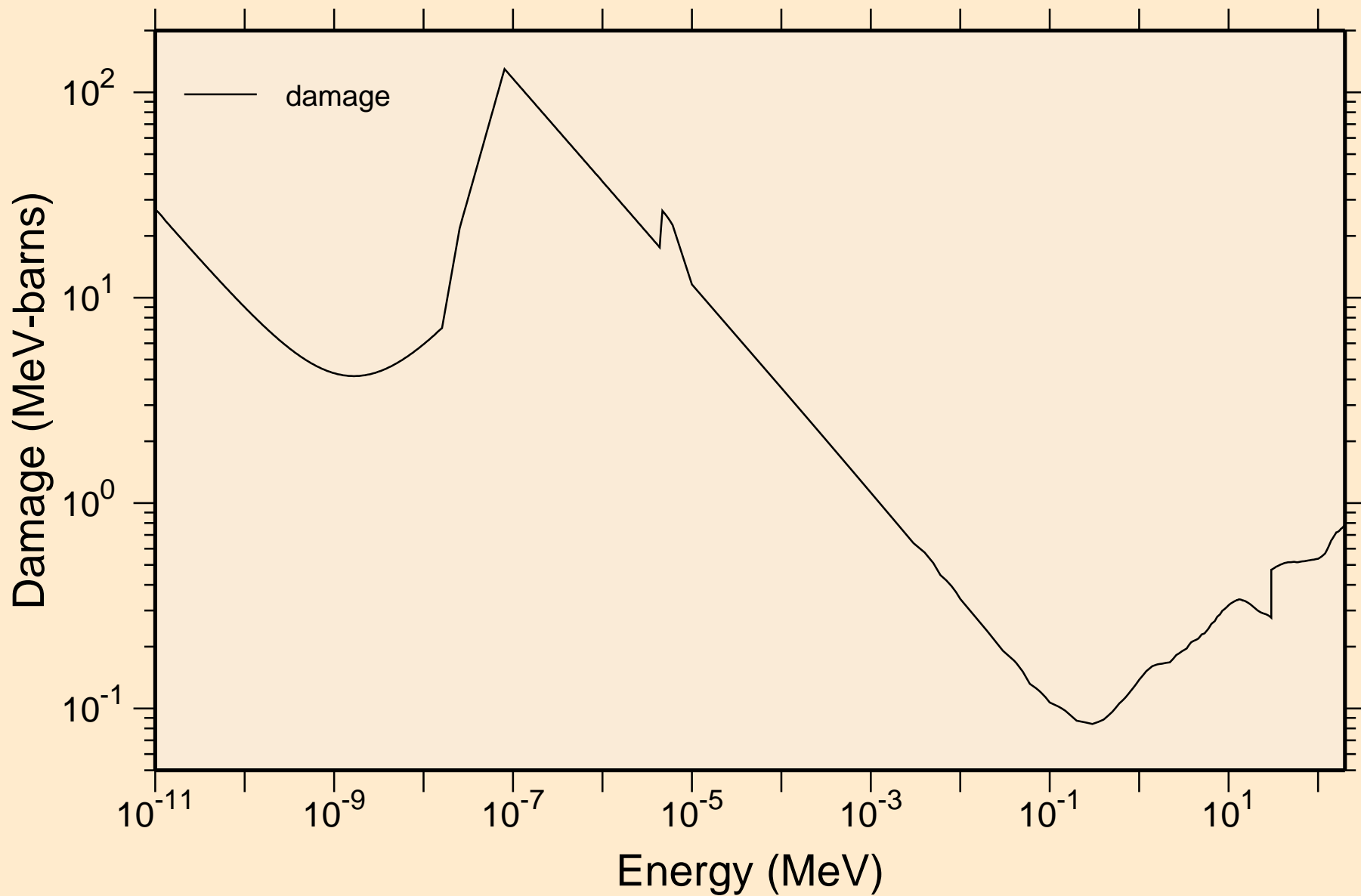


# SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

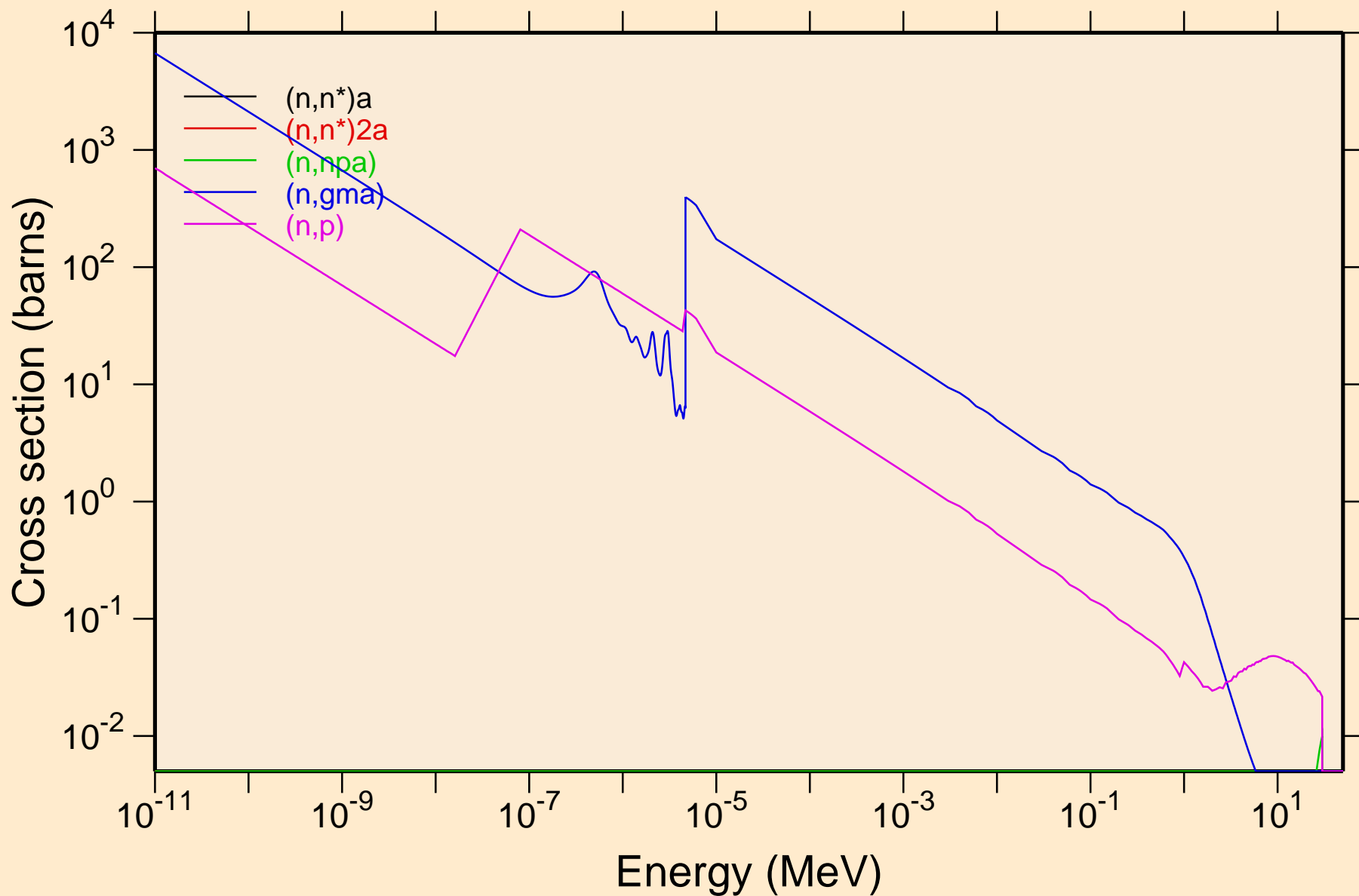


SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



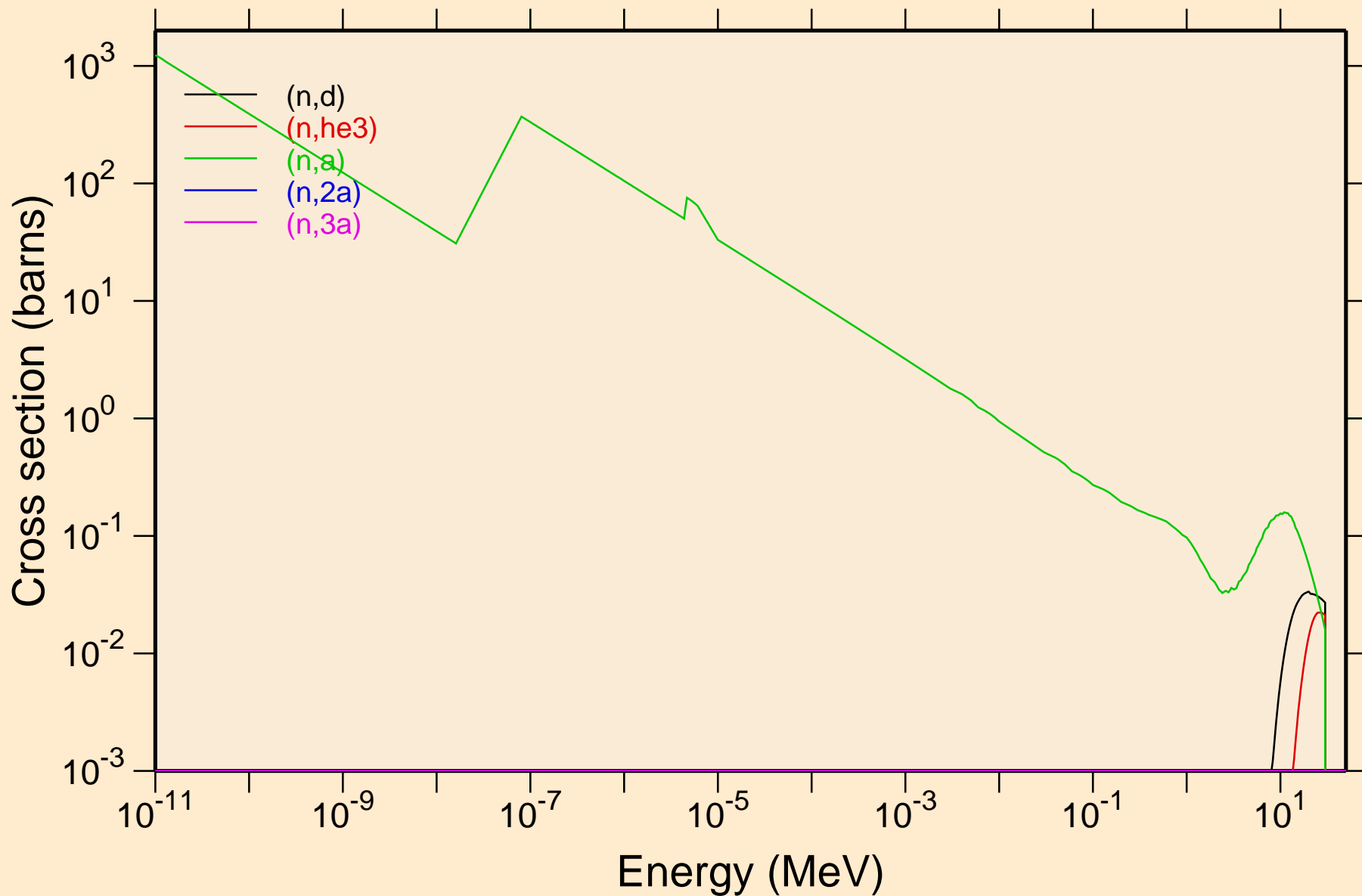
# SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions



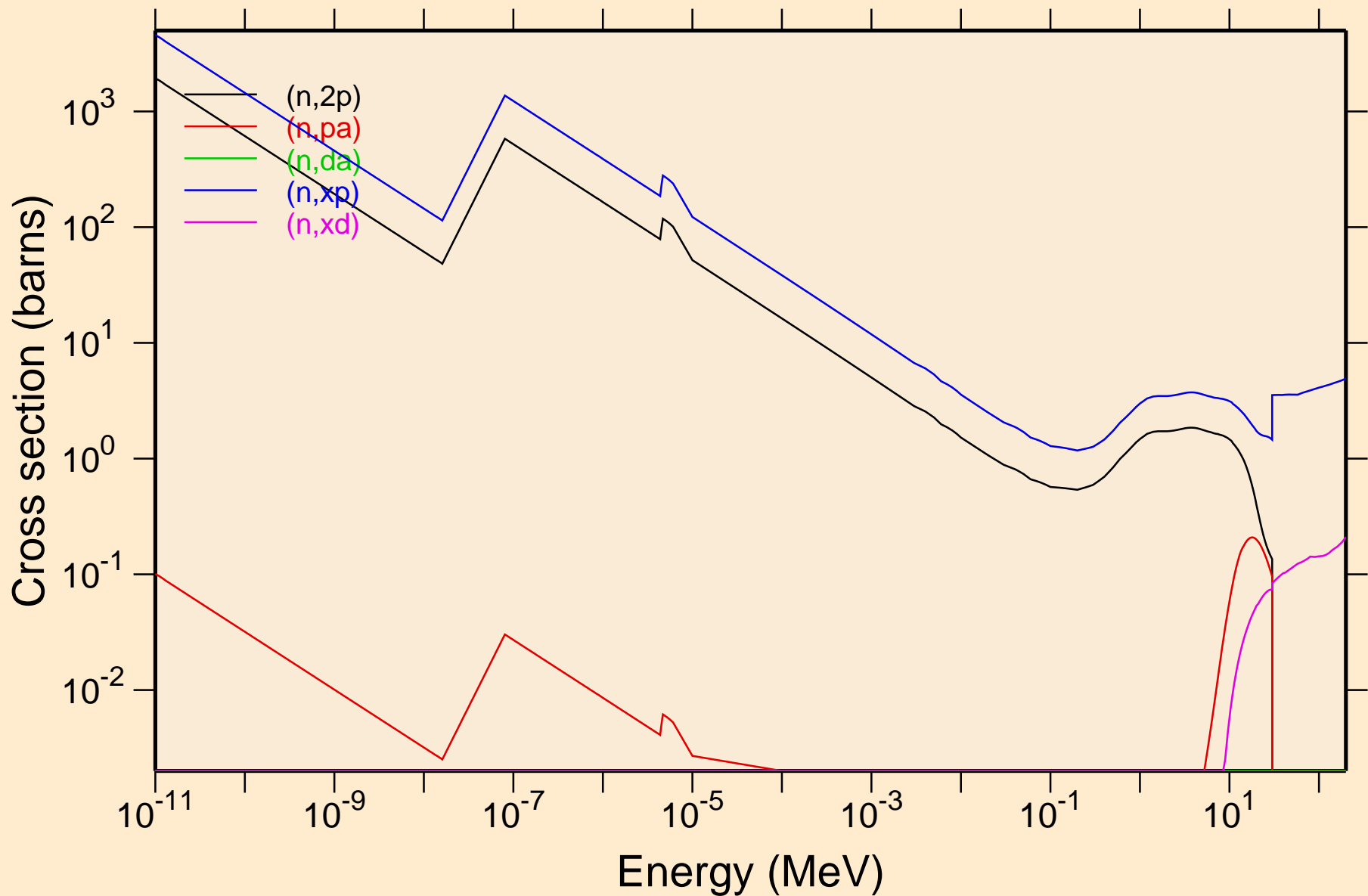
# SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

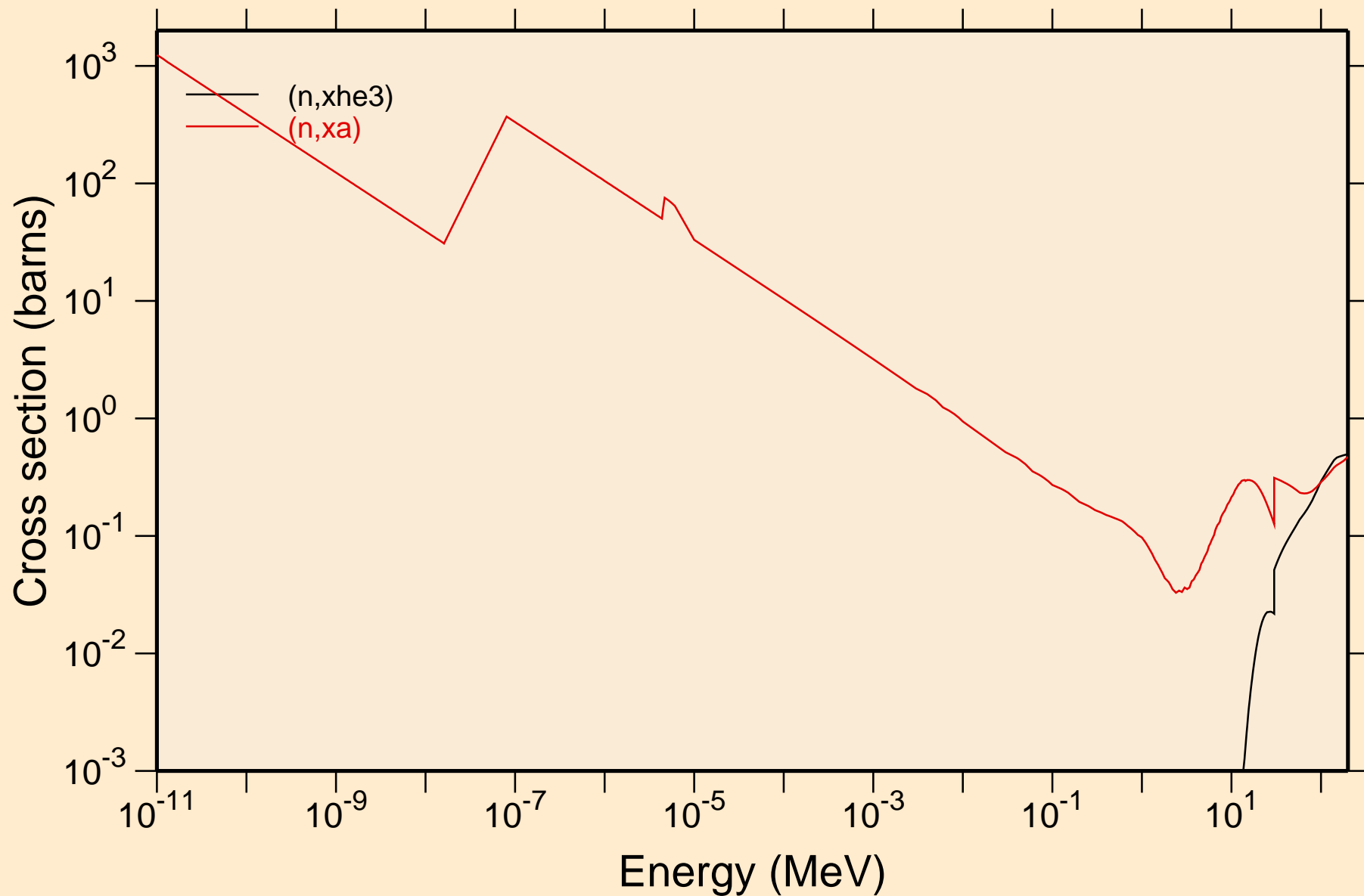


# SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

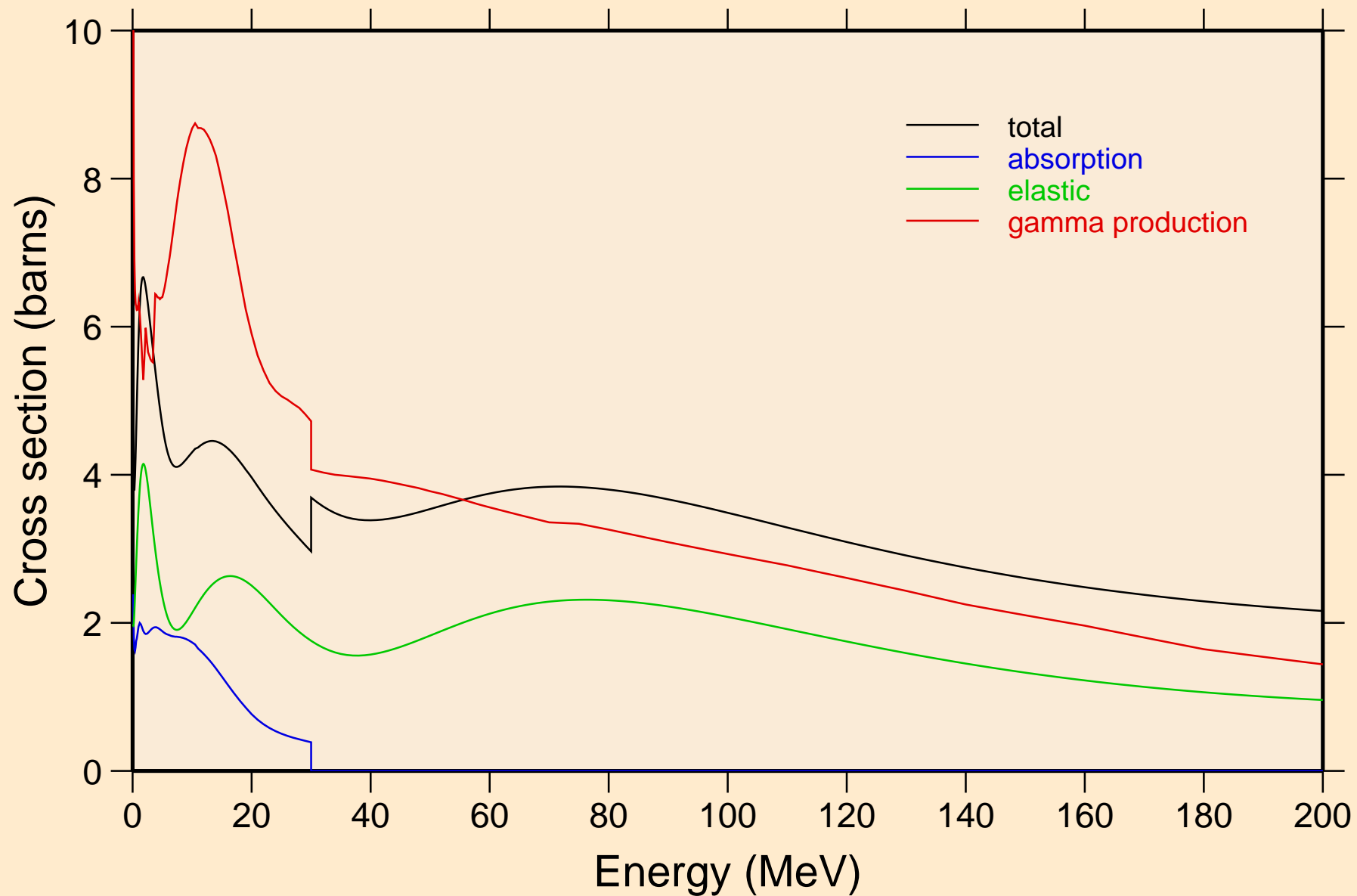


SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



# SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

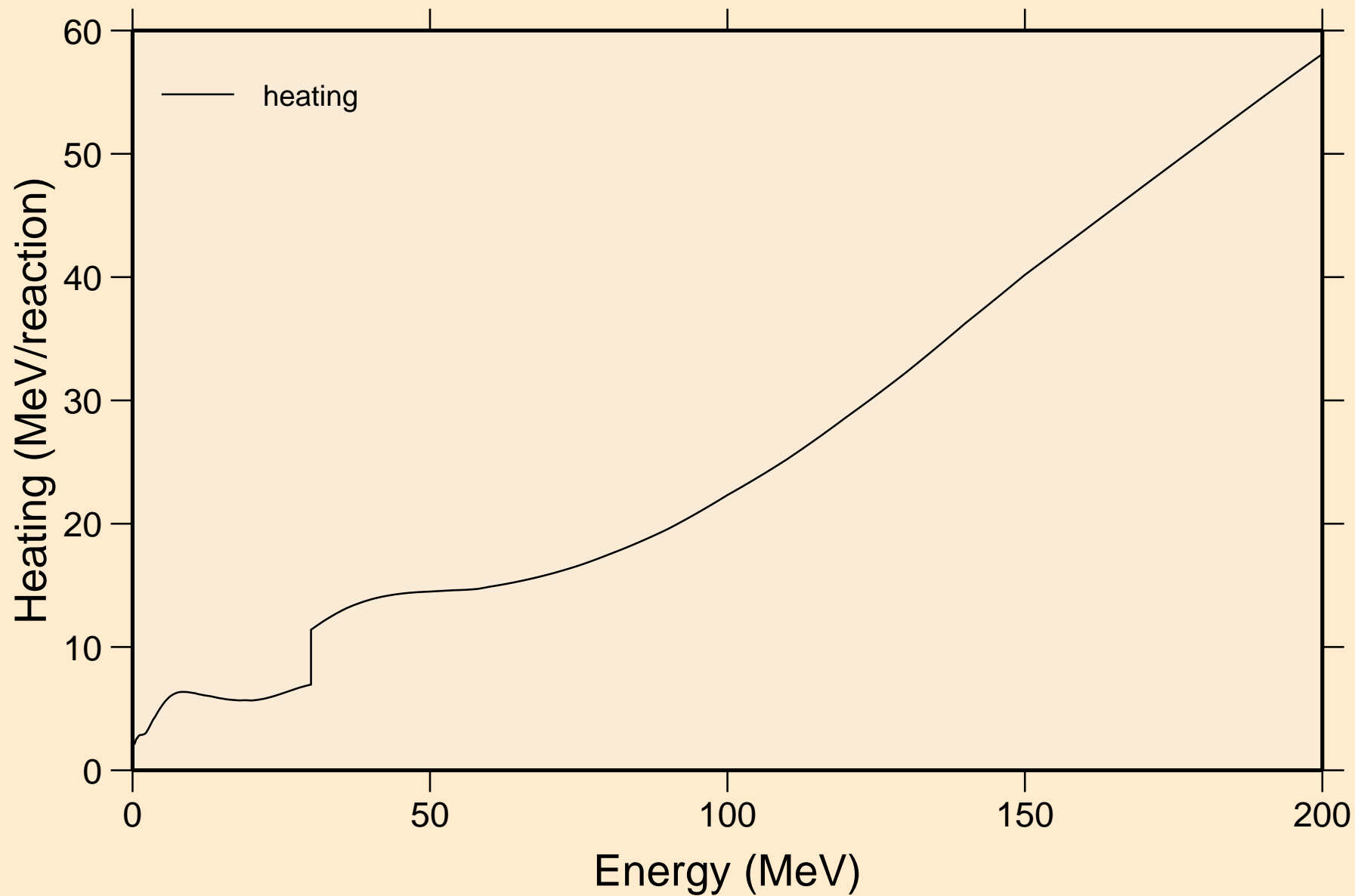
## Principal cross sections





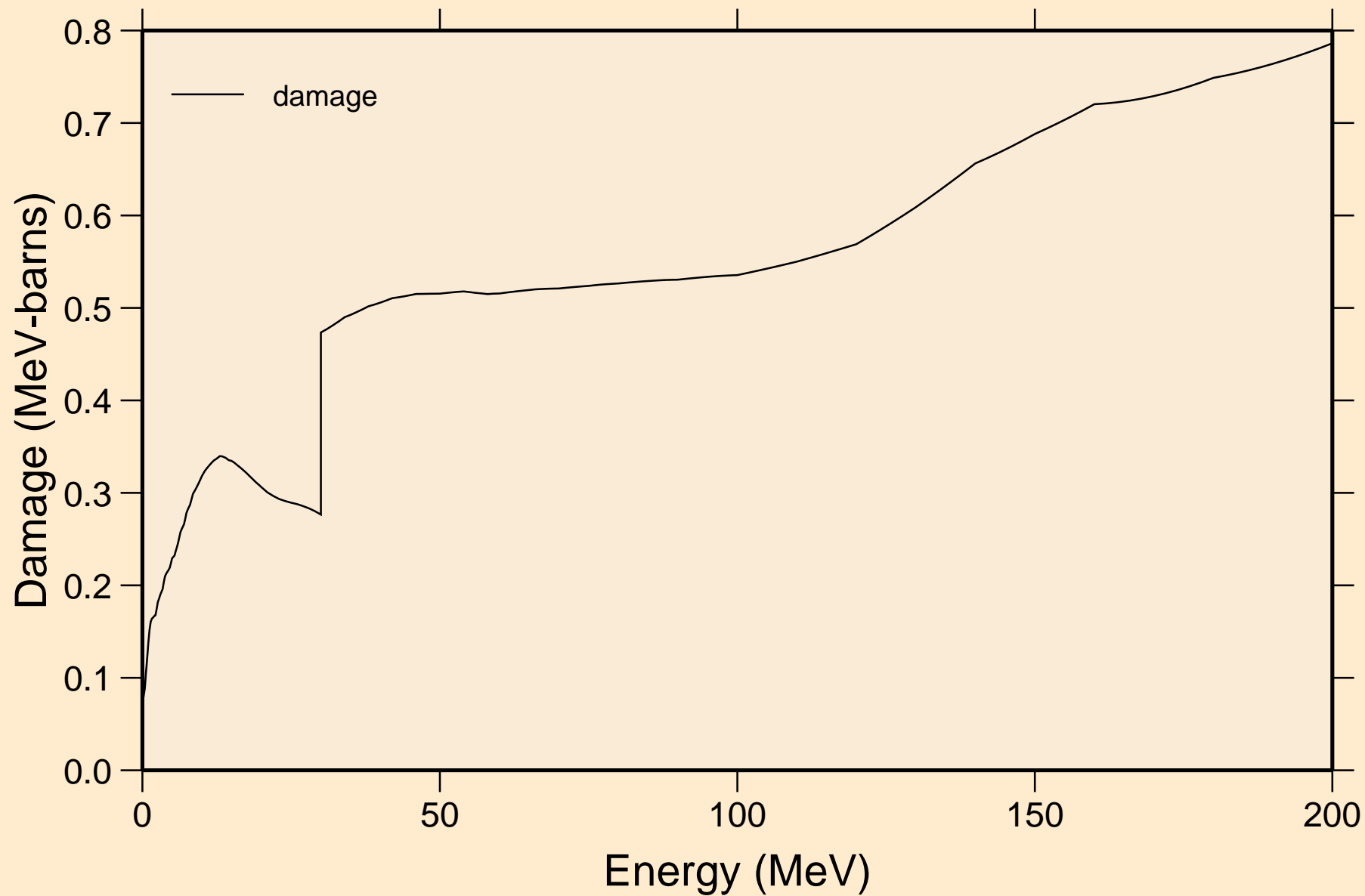
# SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

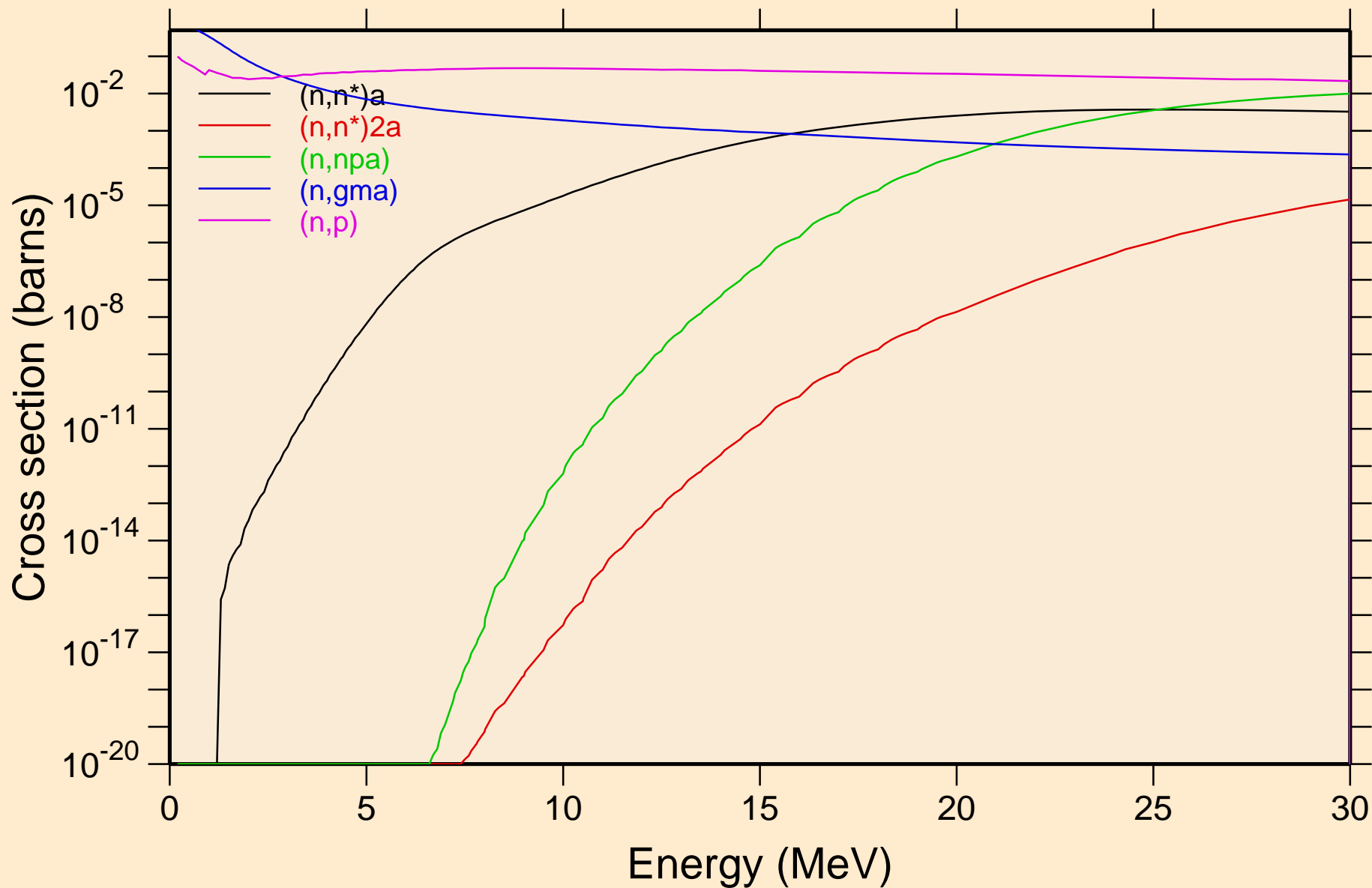


# SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage

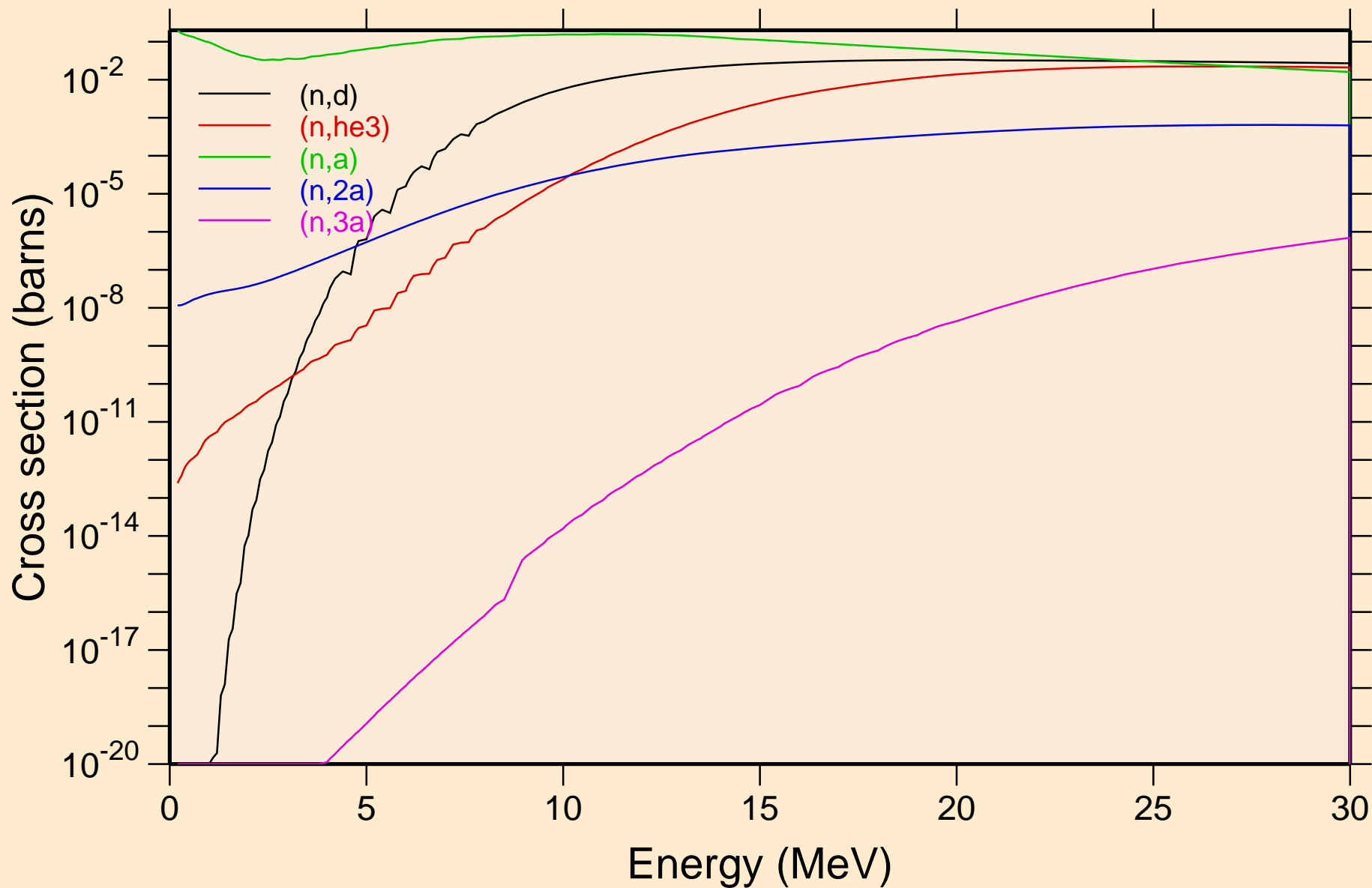


SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

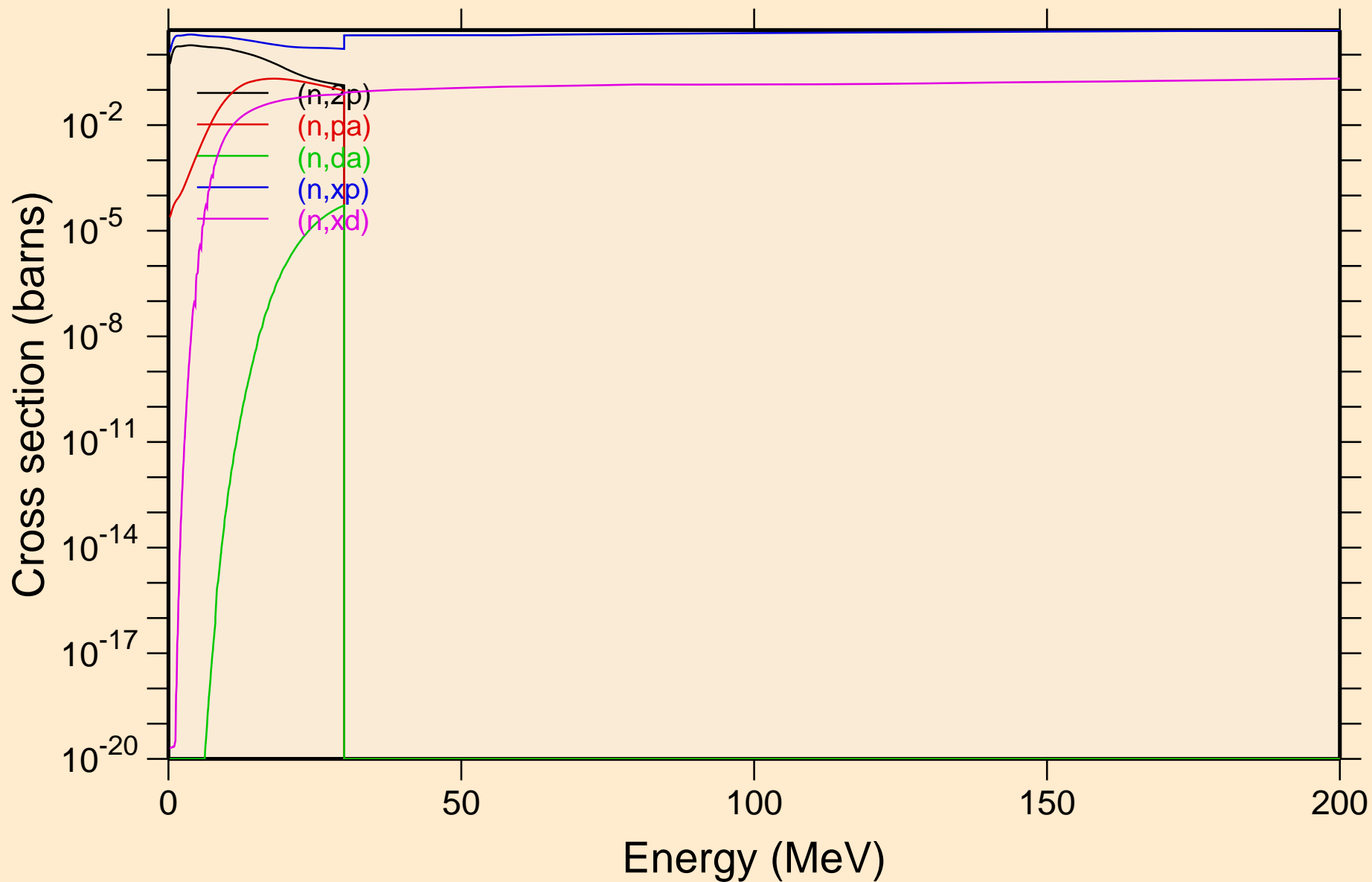


# SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

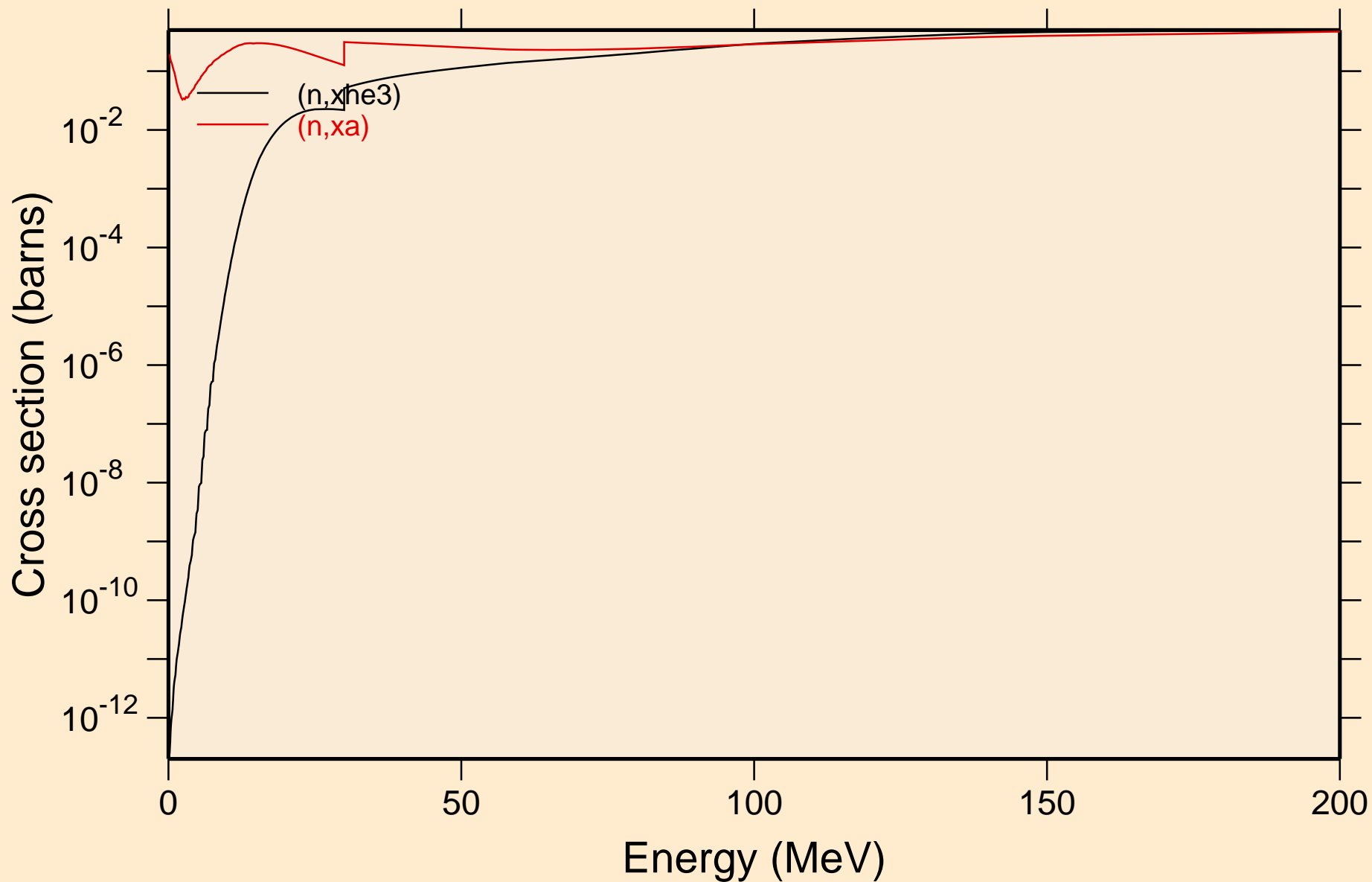
## Non-threshold reactions



SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

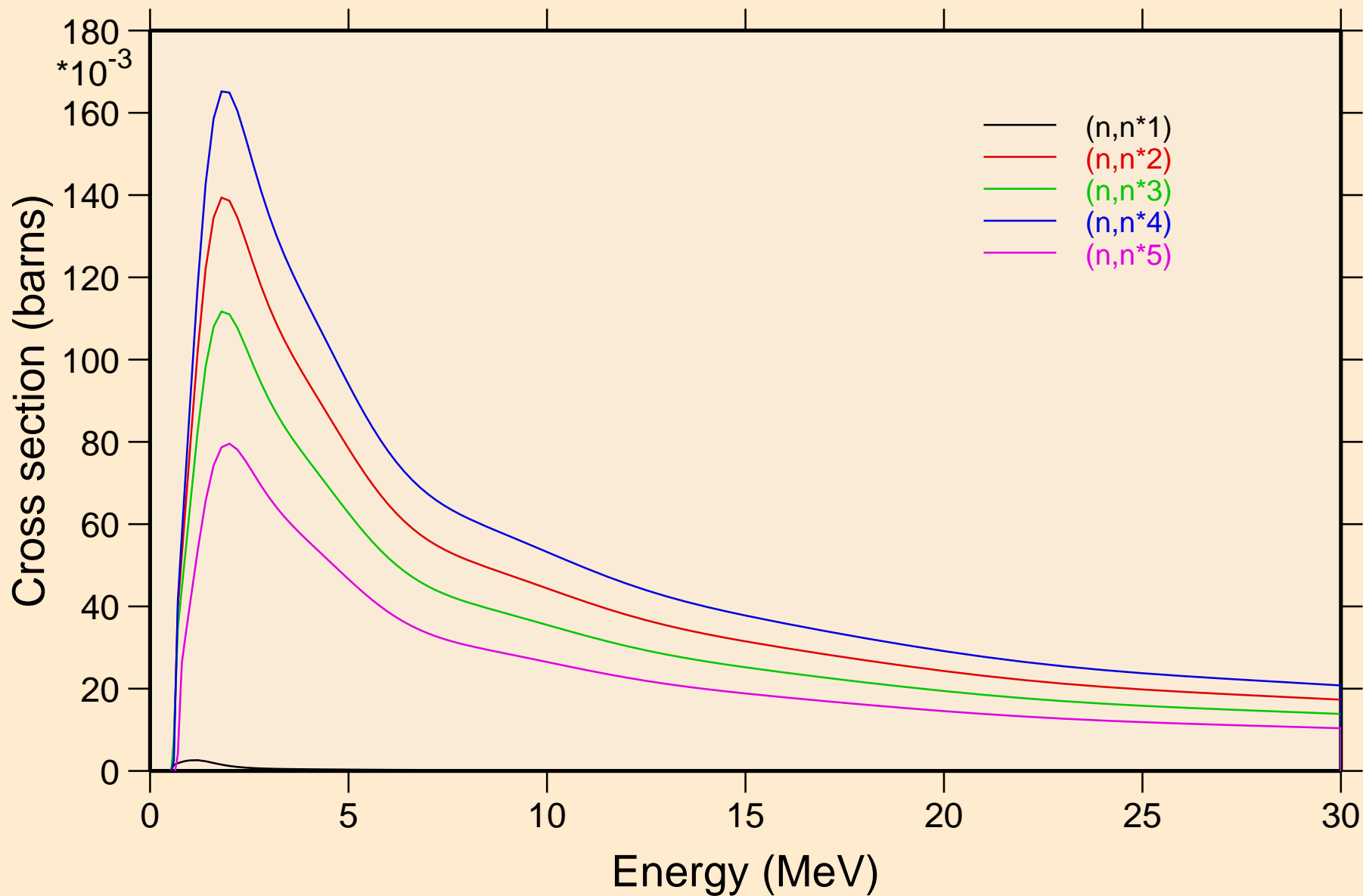


SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

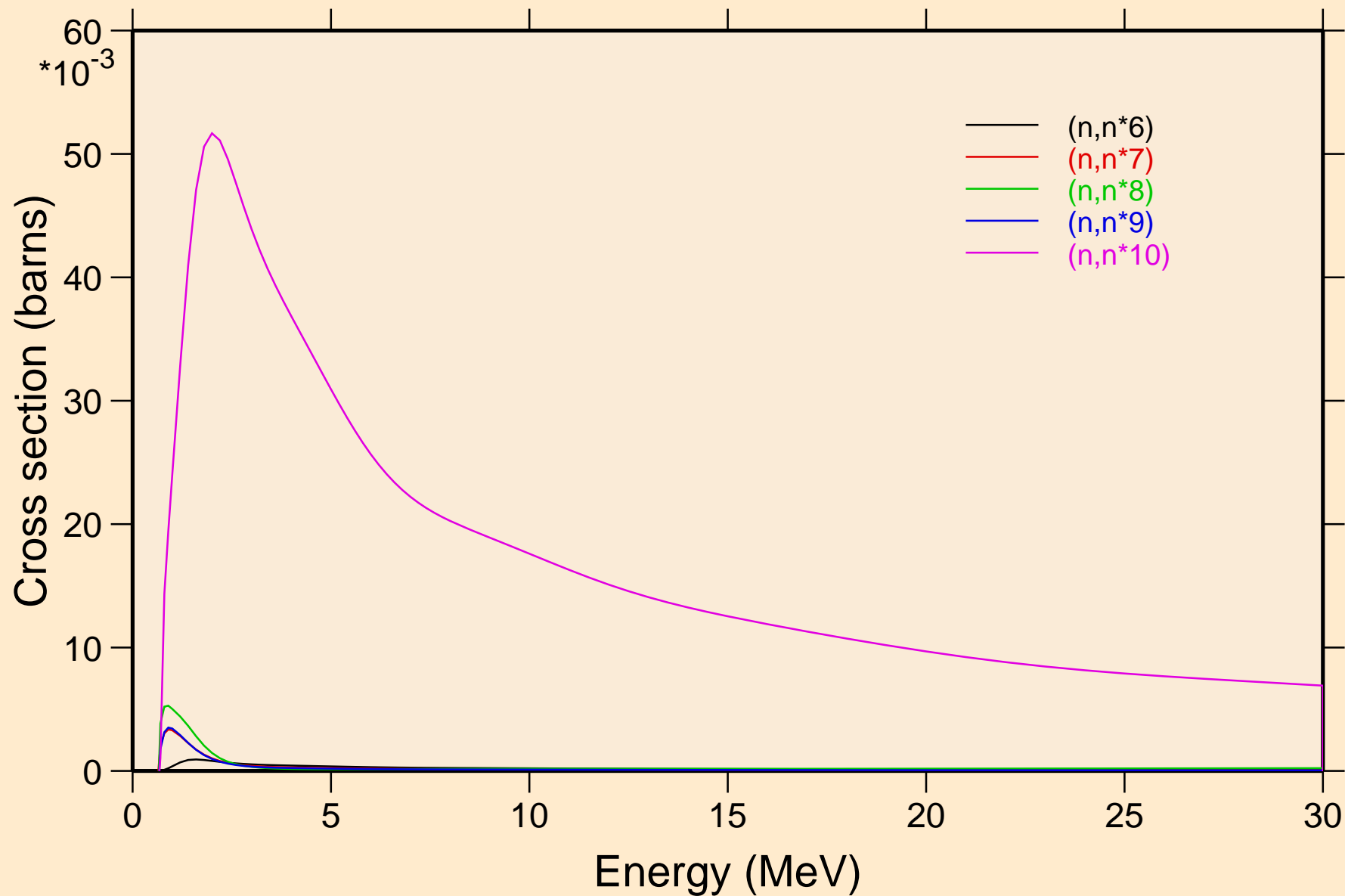


# SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels



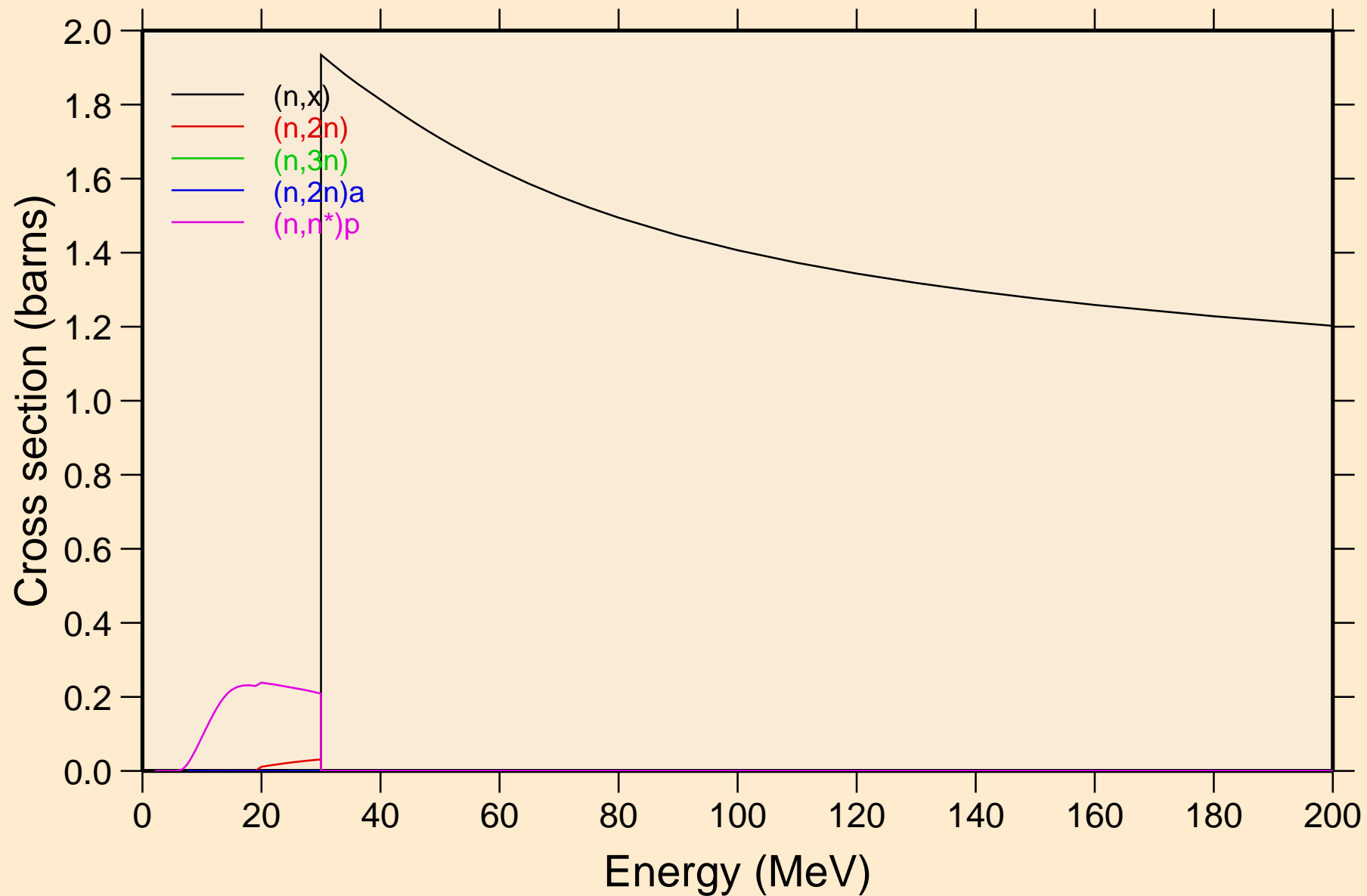
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels





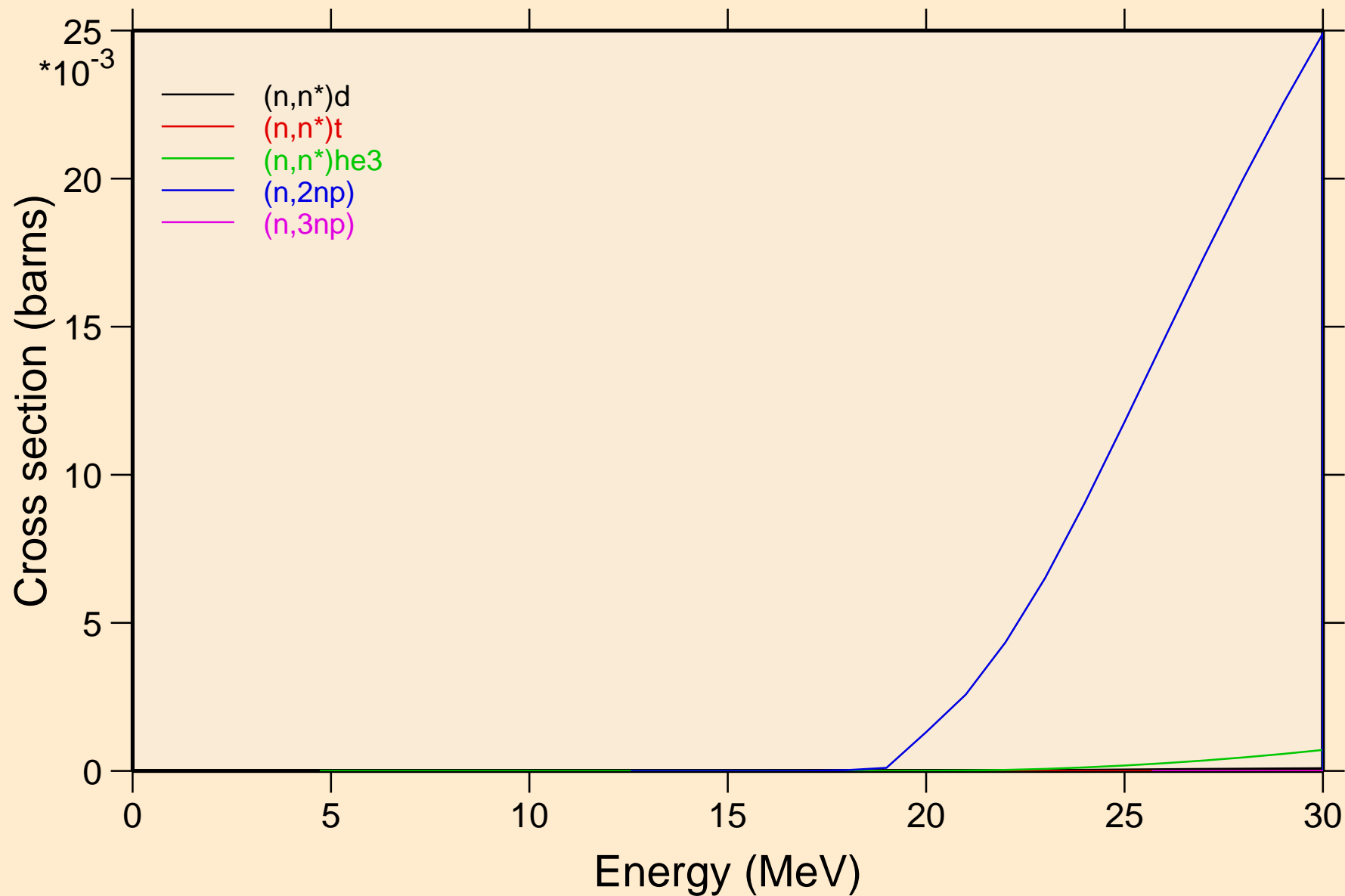
# SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



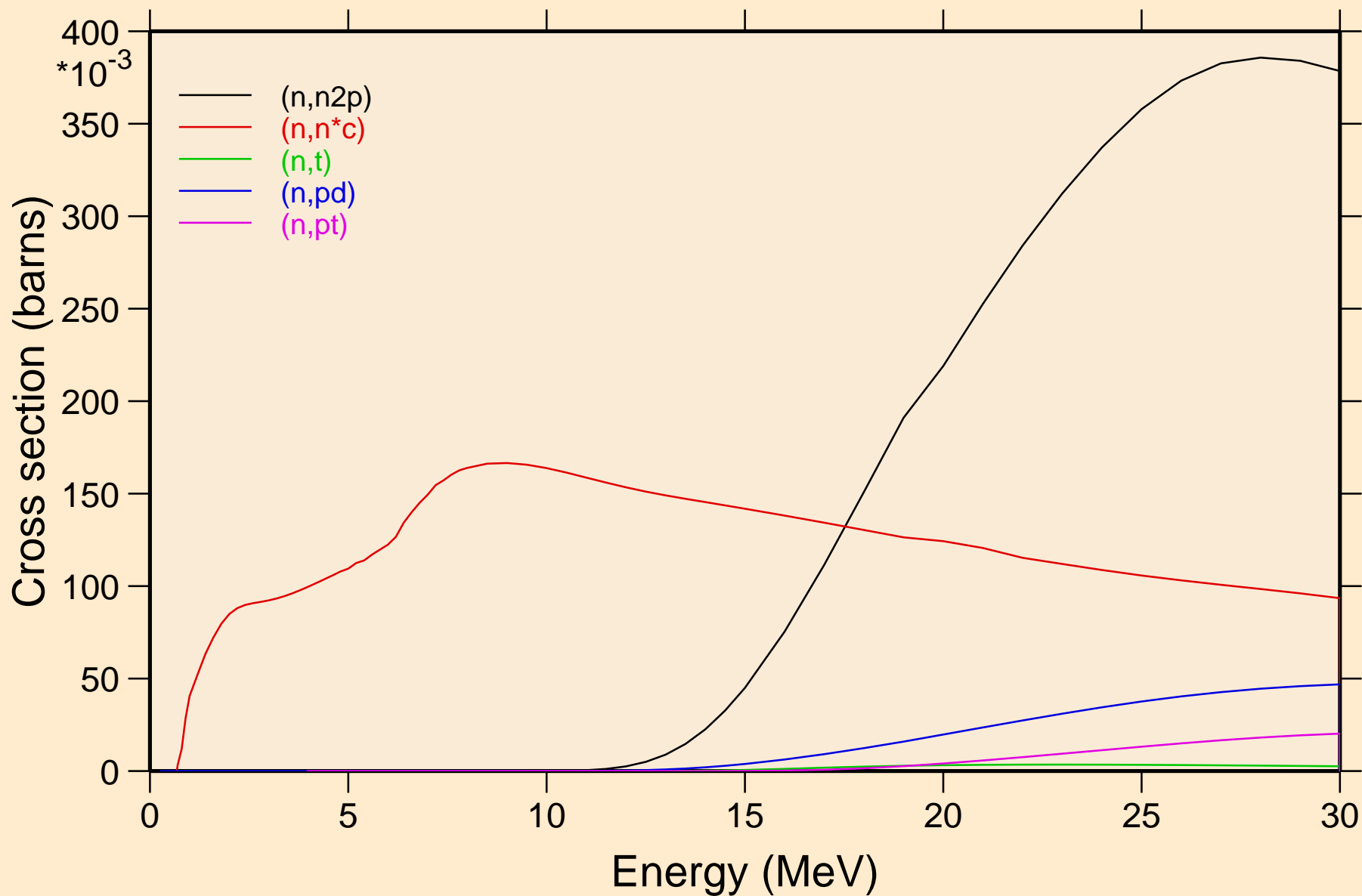
# SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

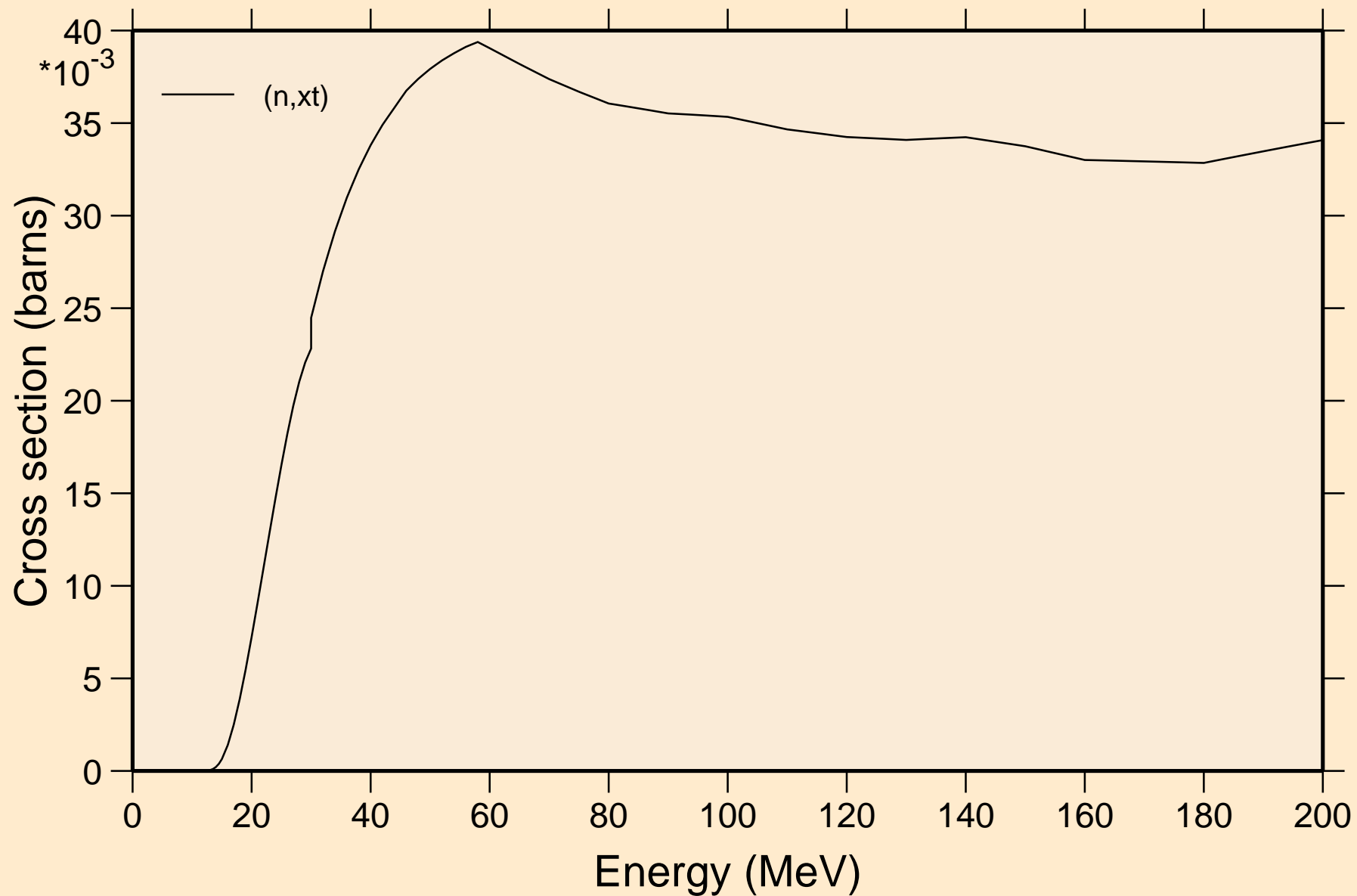


# SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

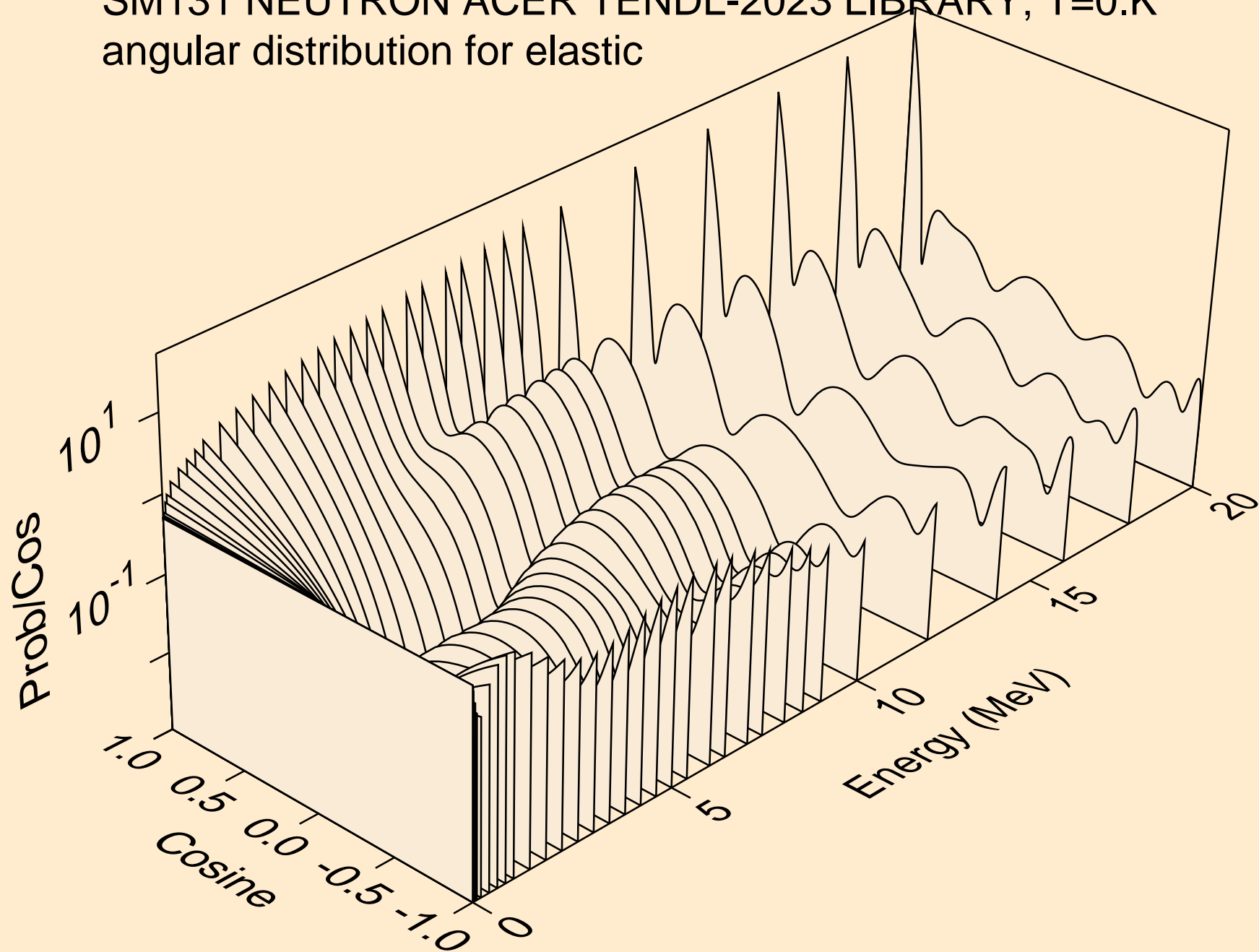
## Threshold reactions



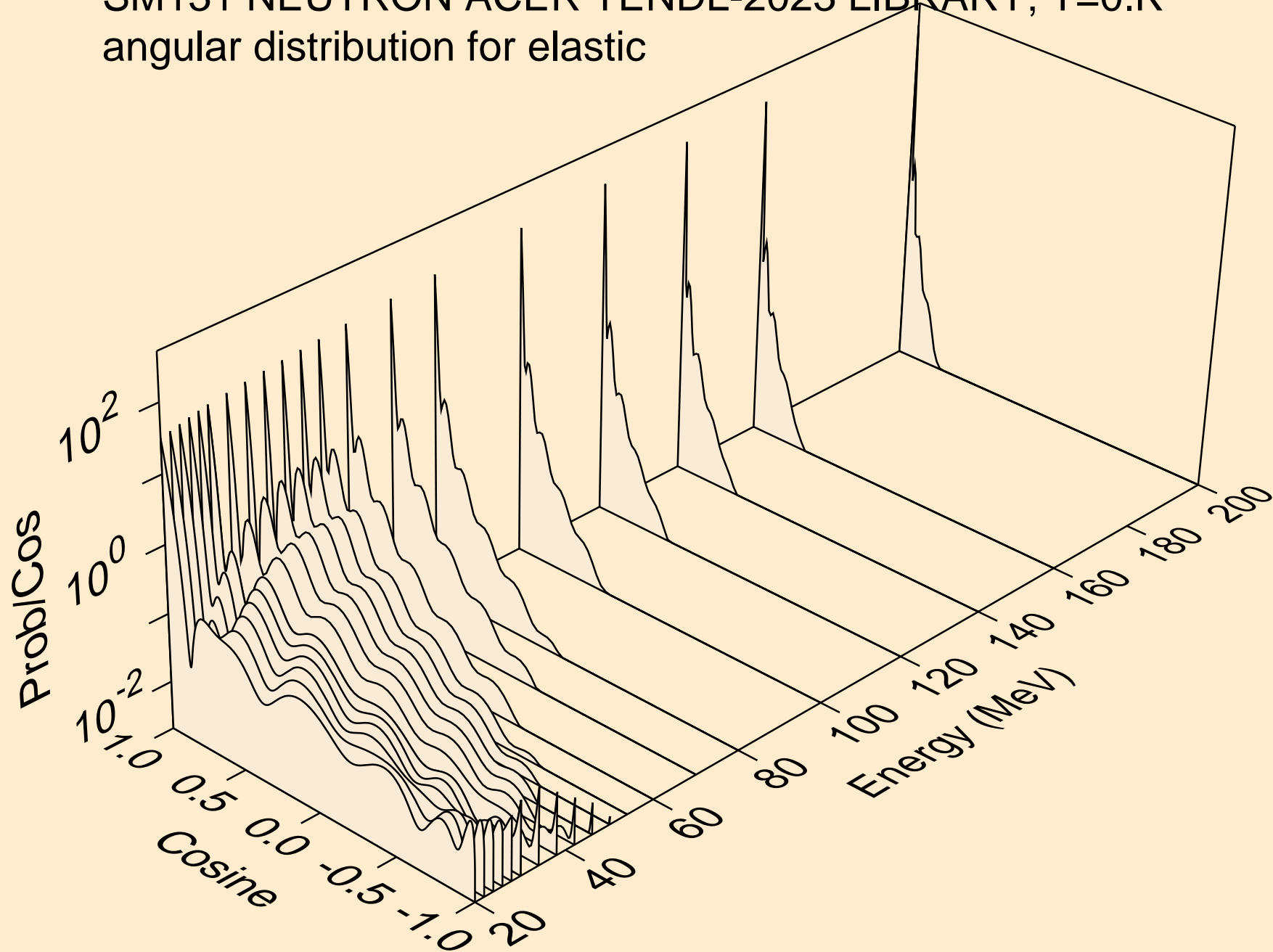
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



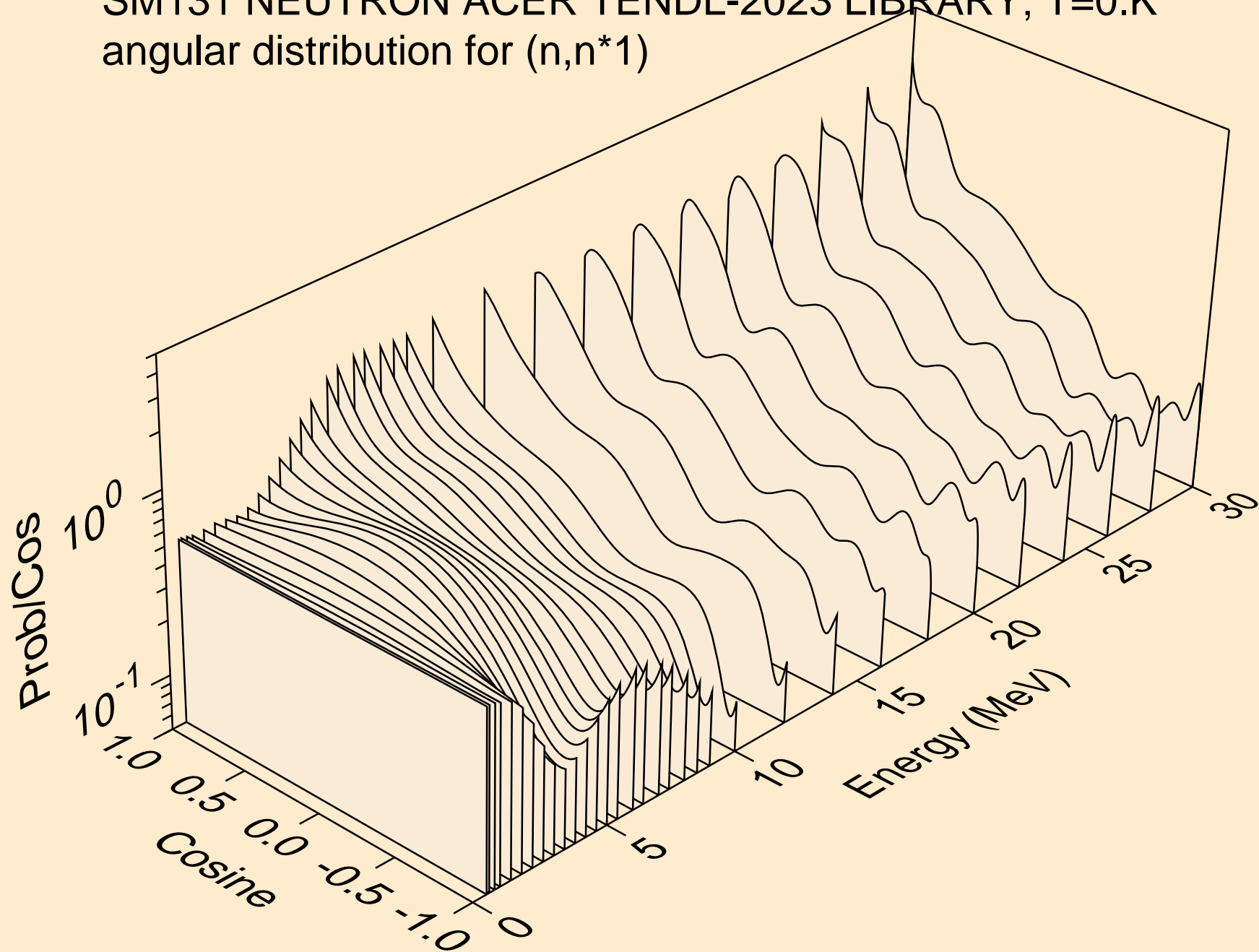
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



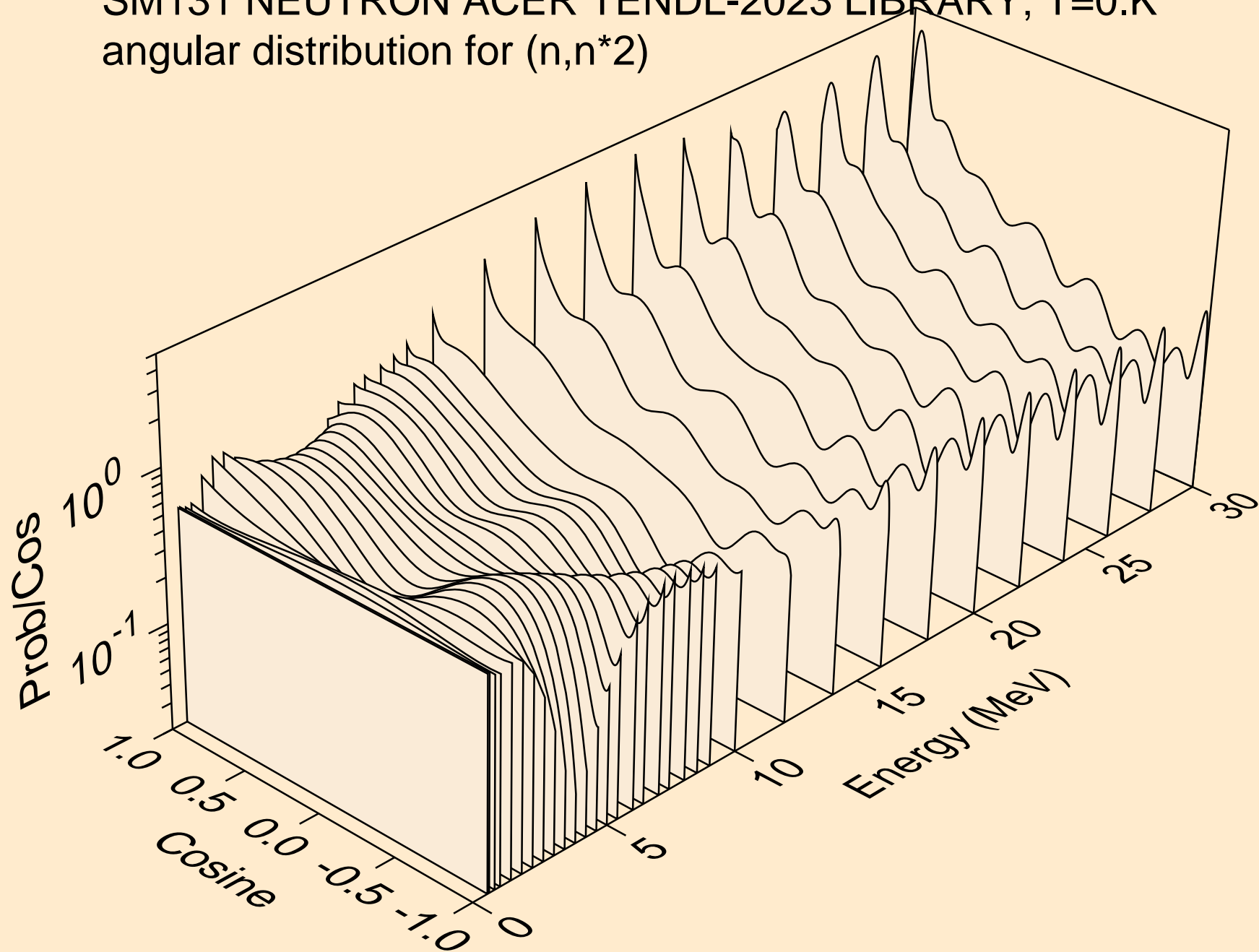
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

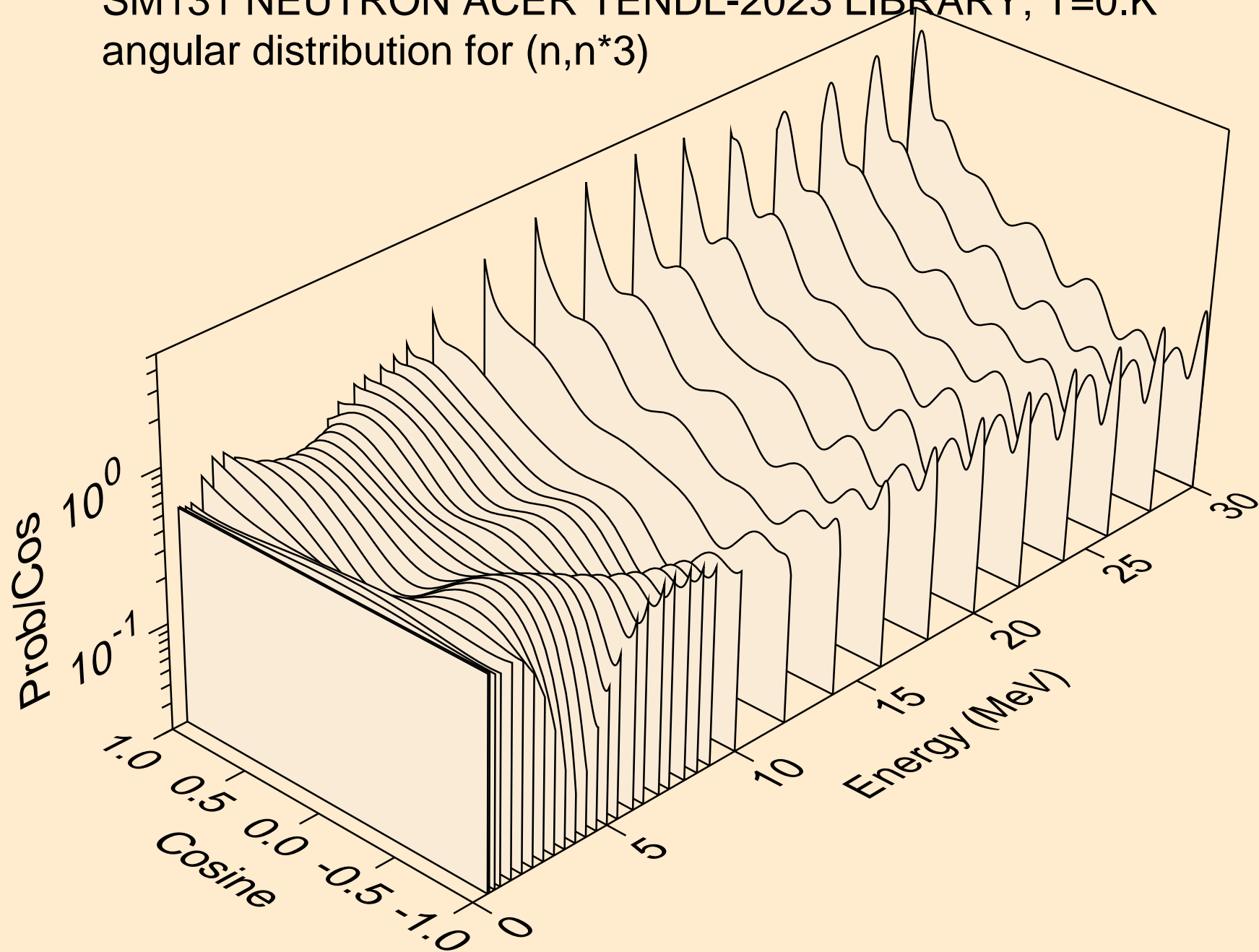


SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

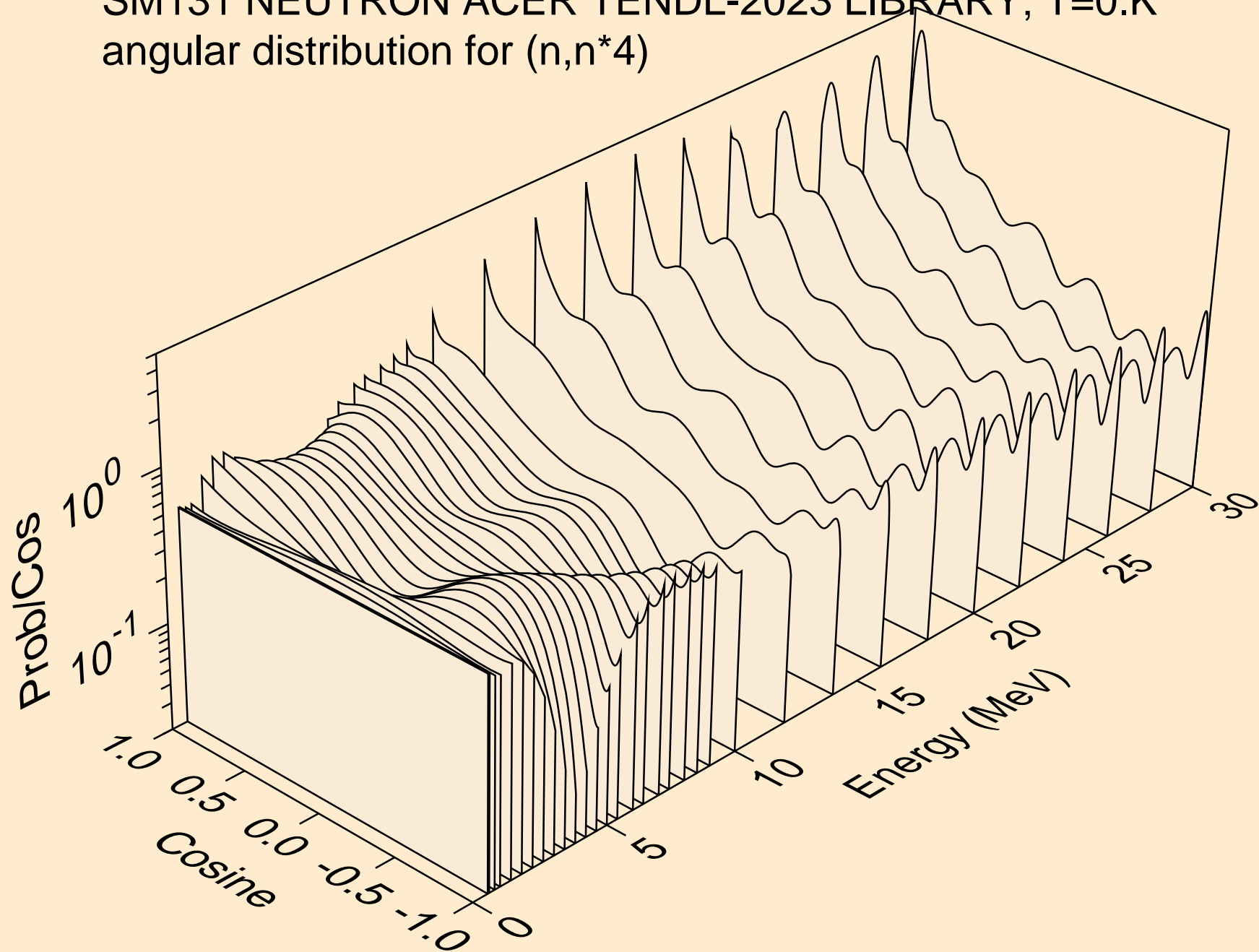




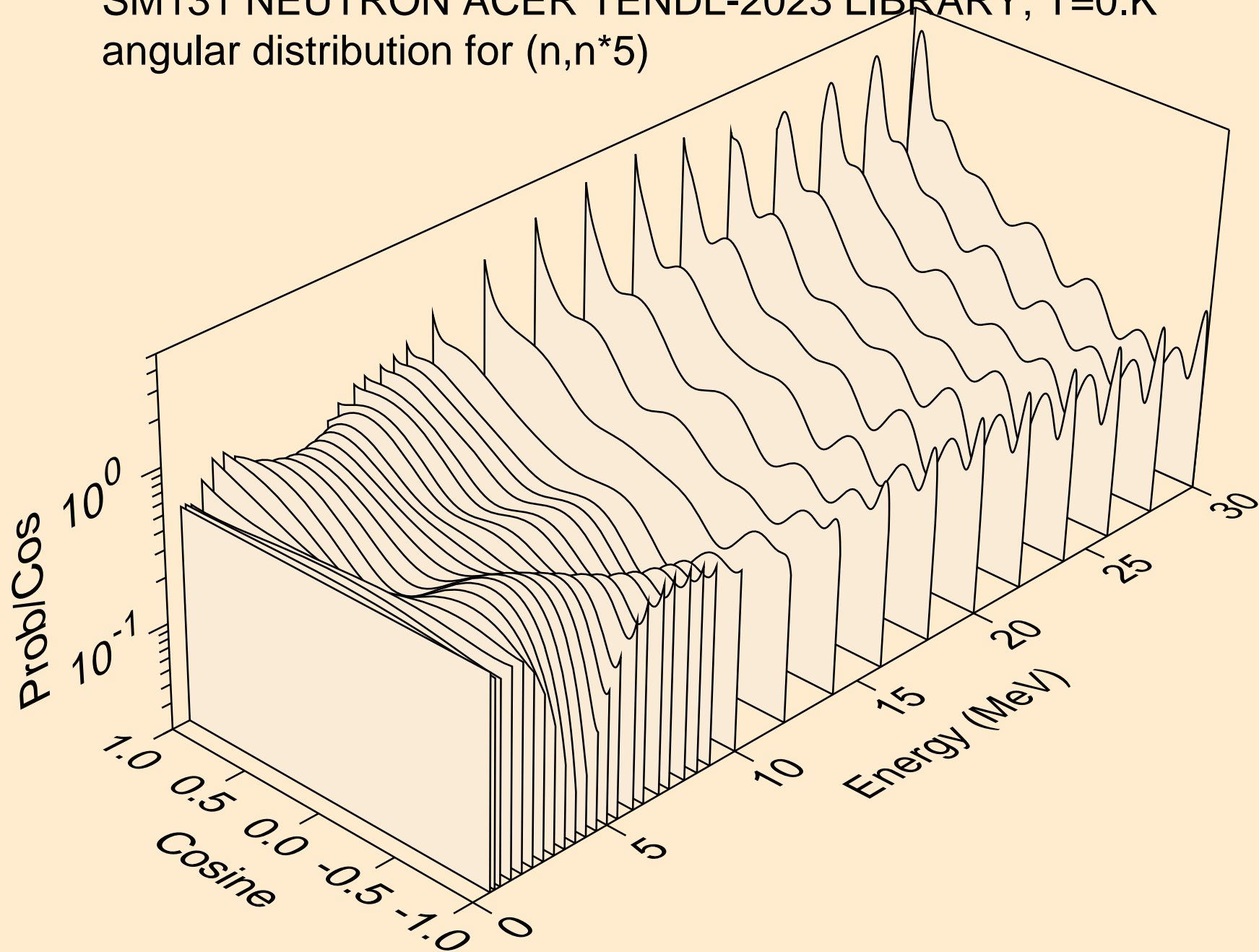
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



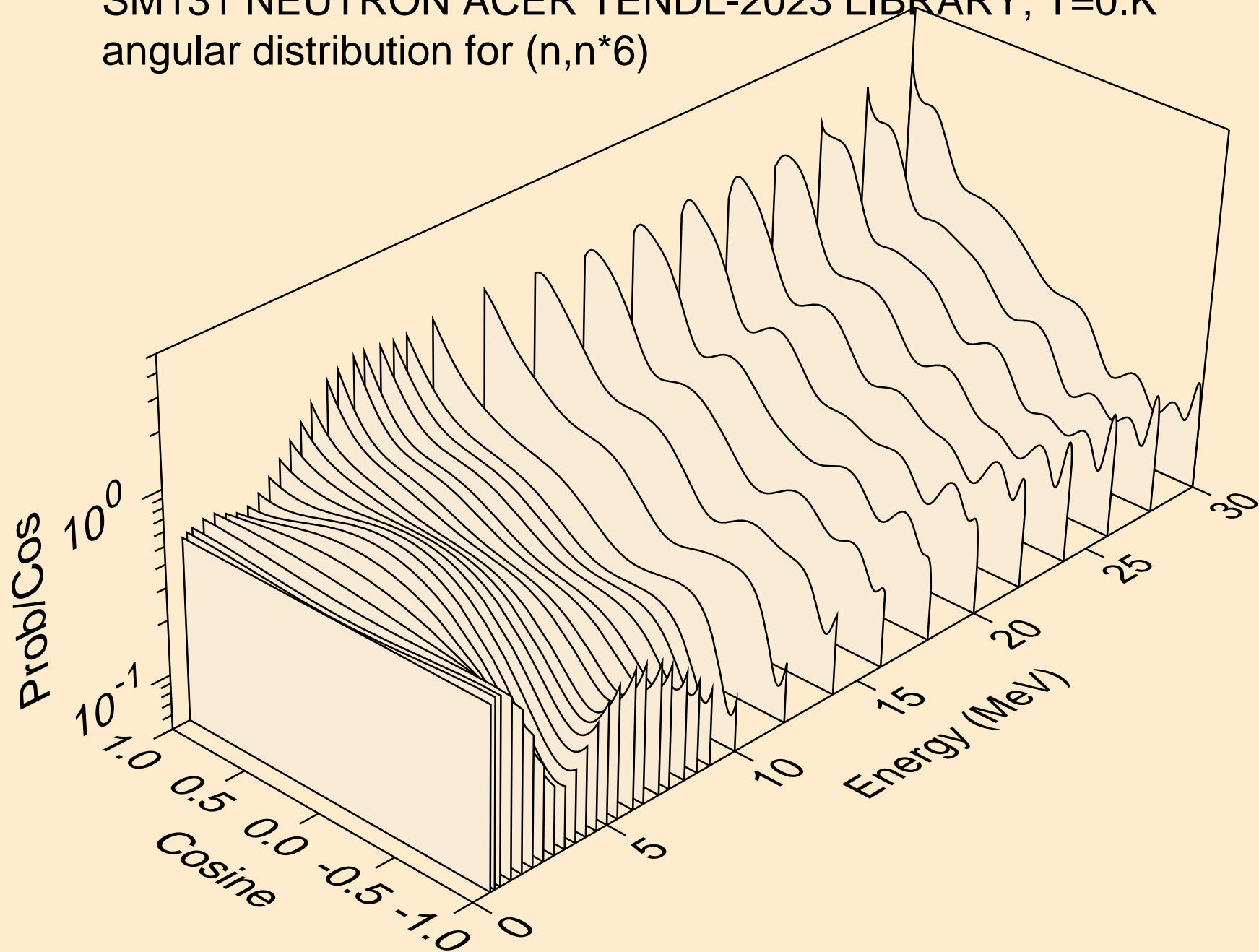
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



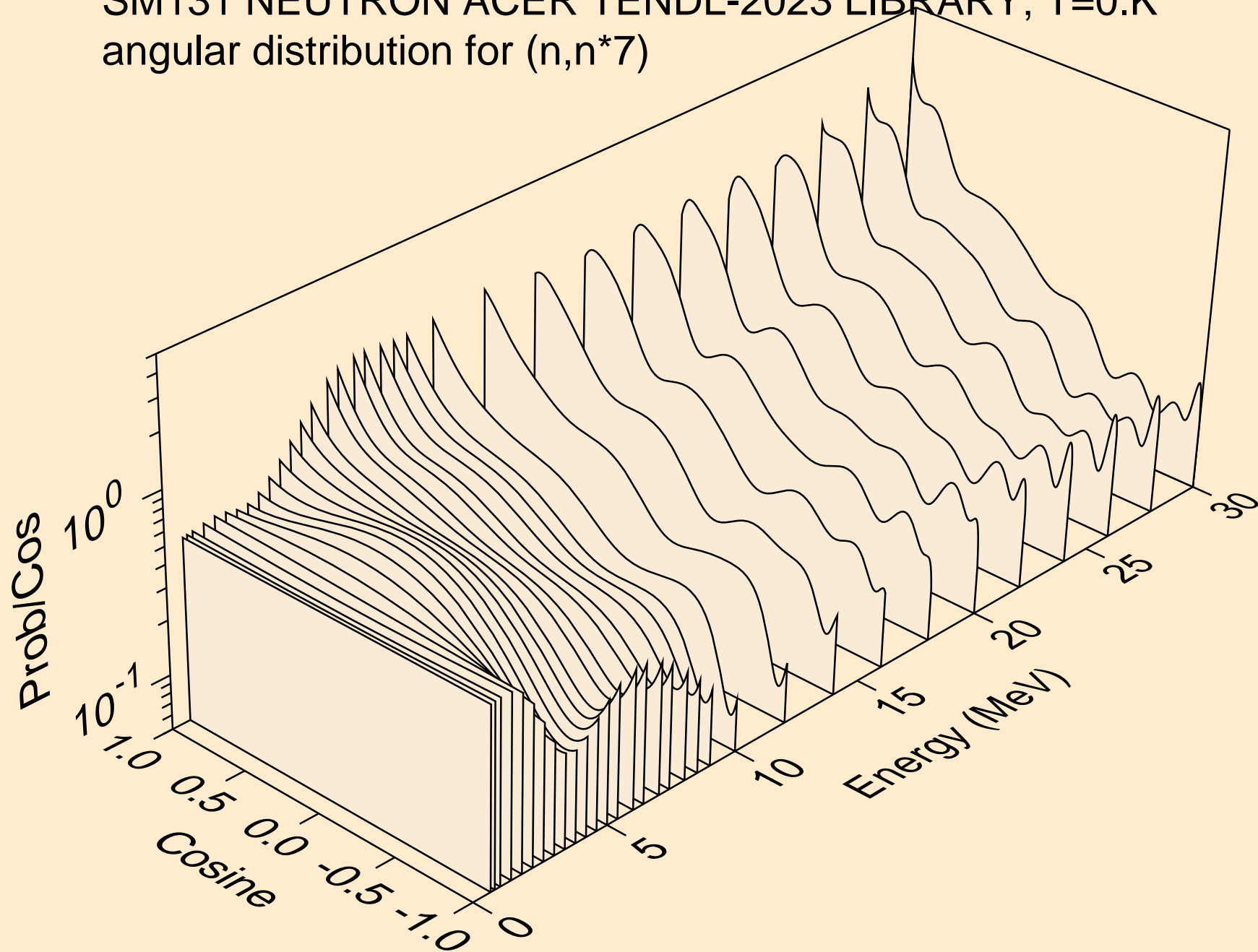
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



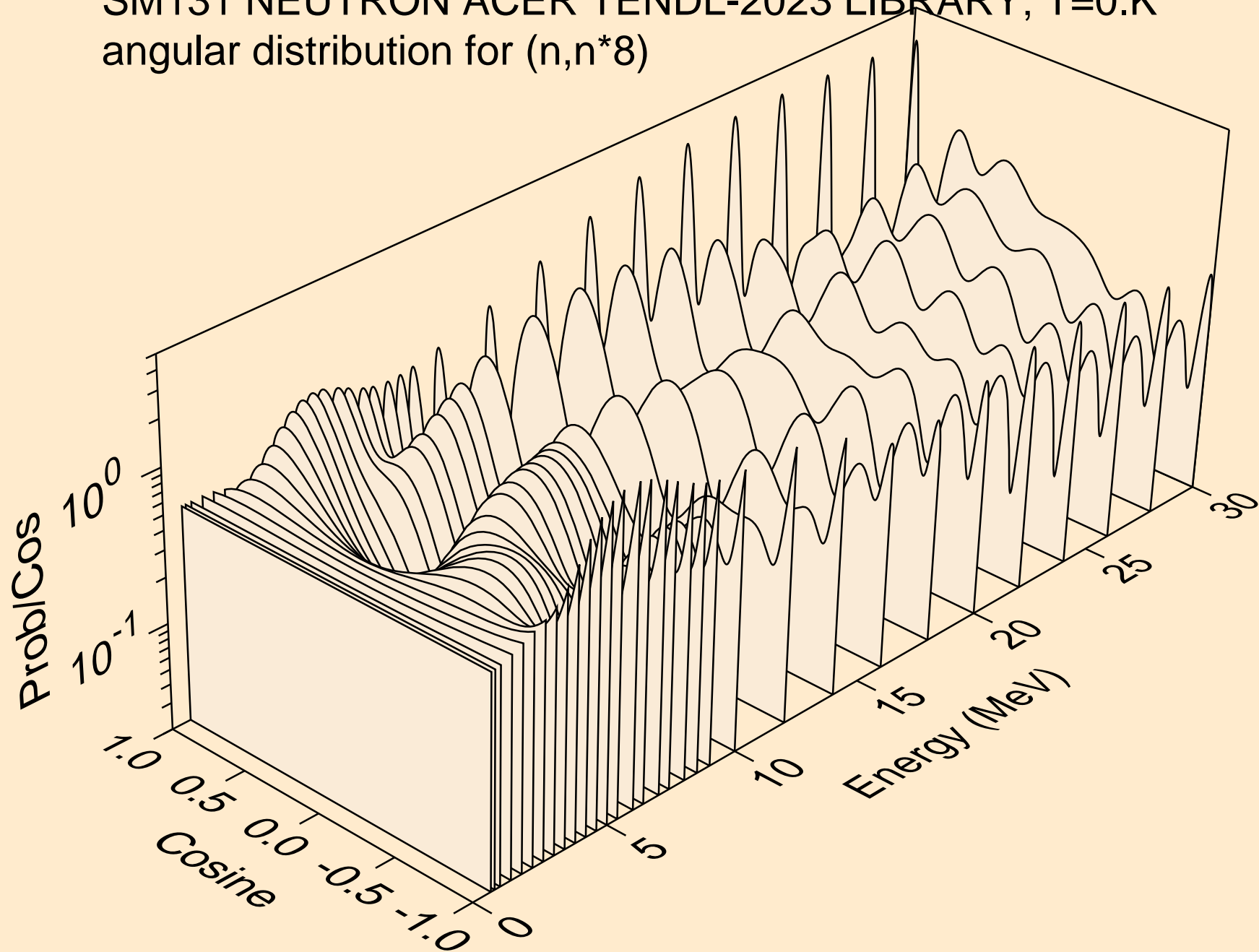
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



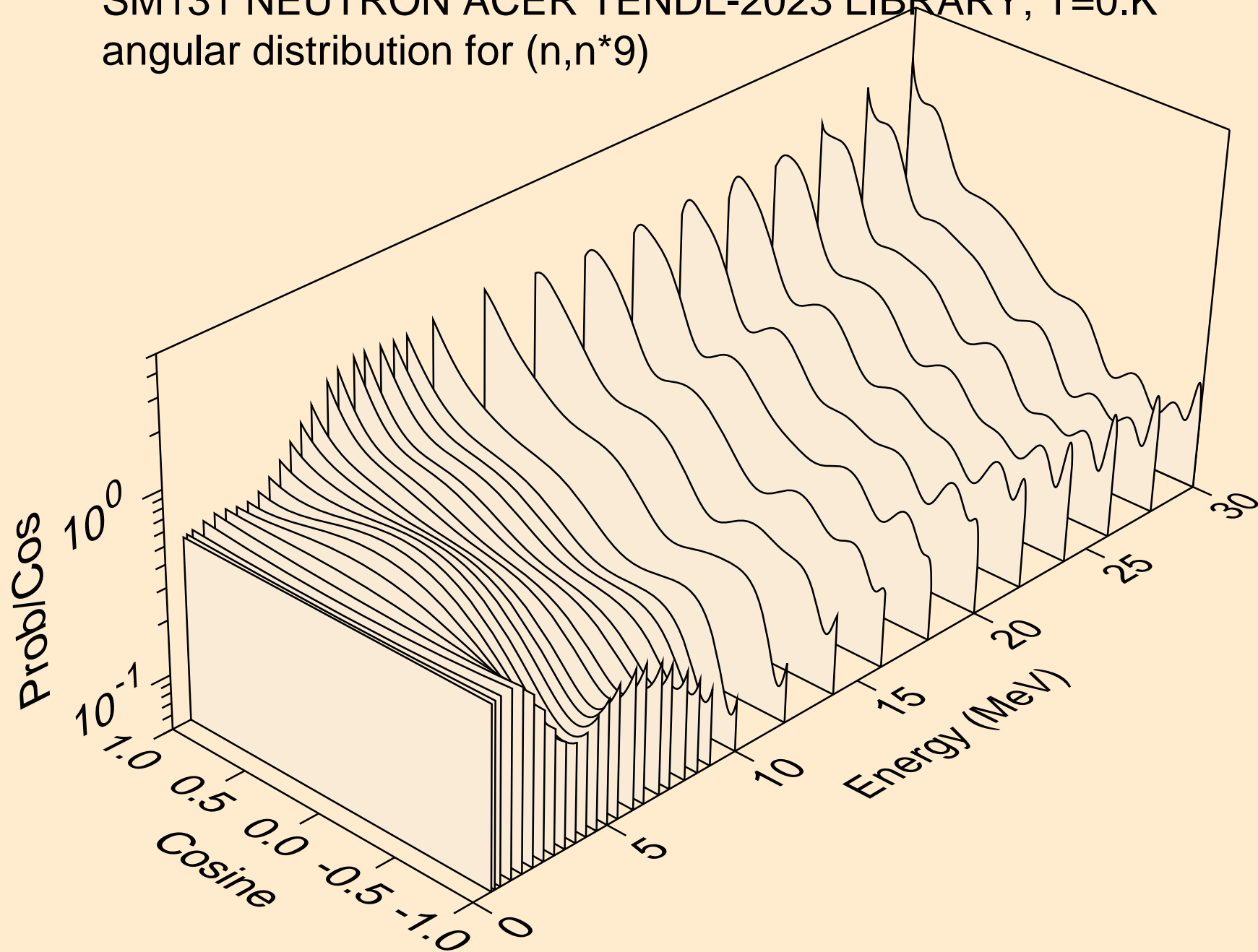
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



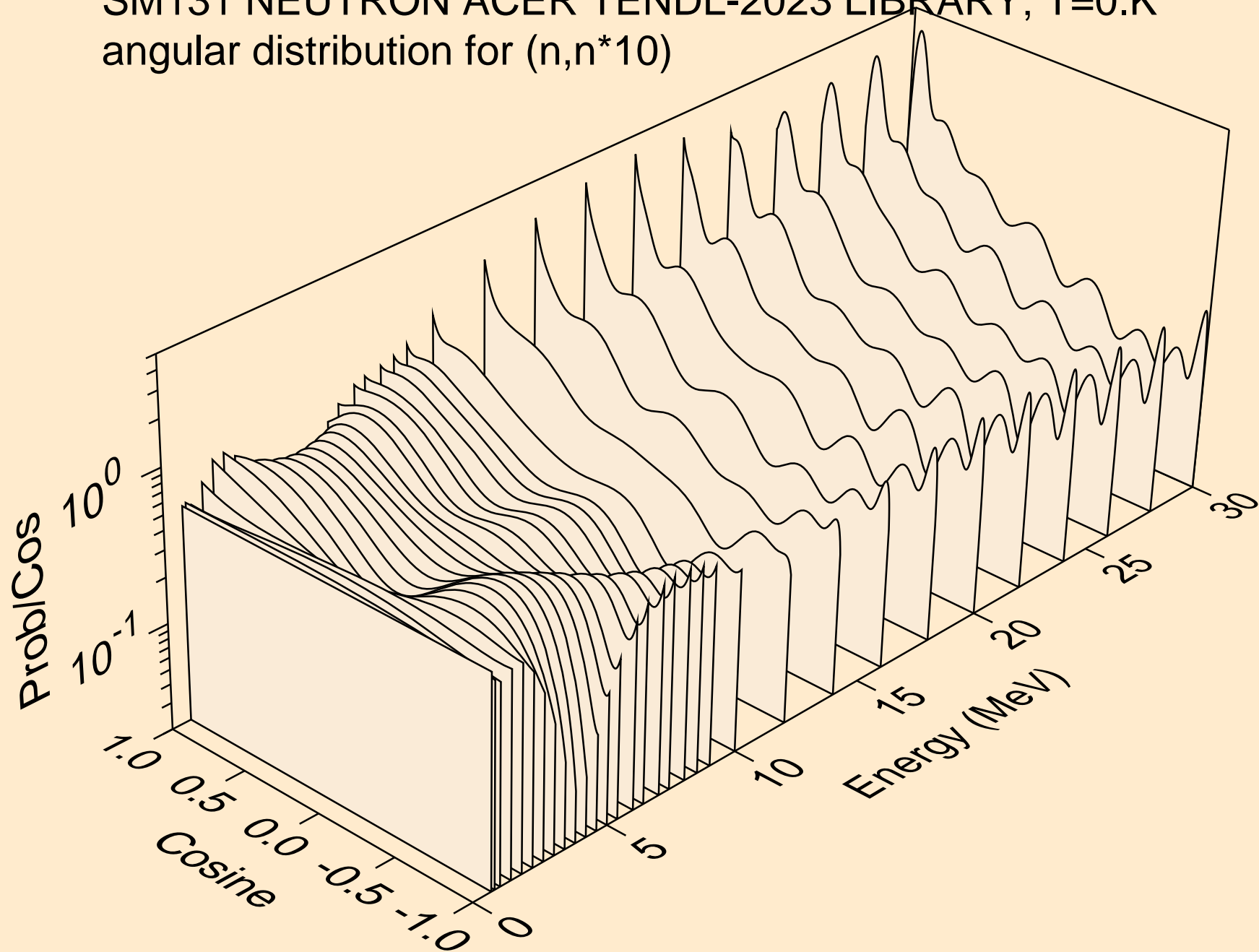
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

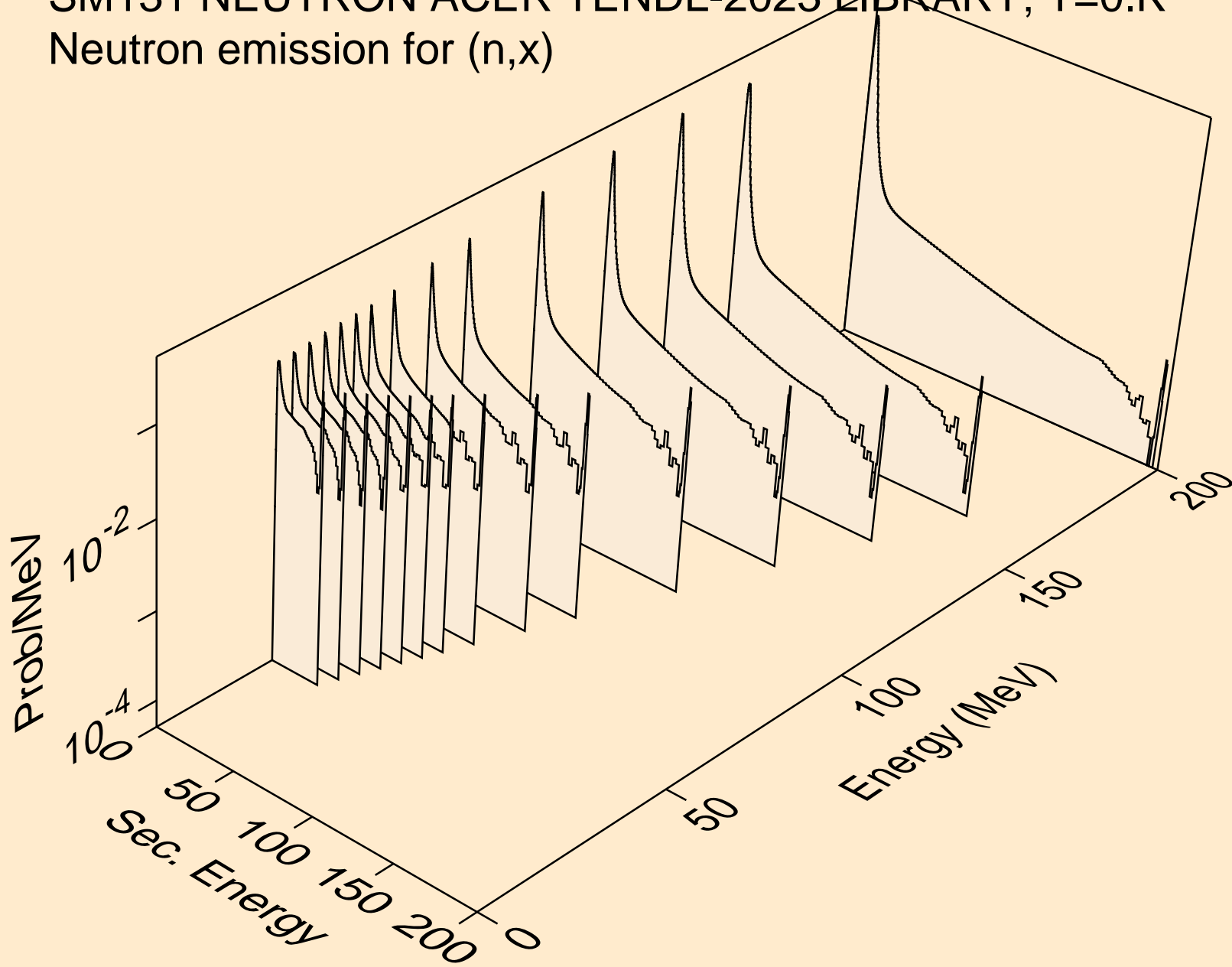


SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

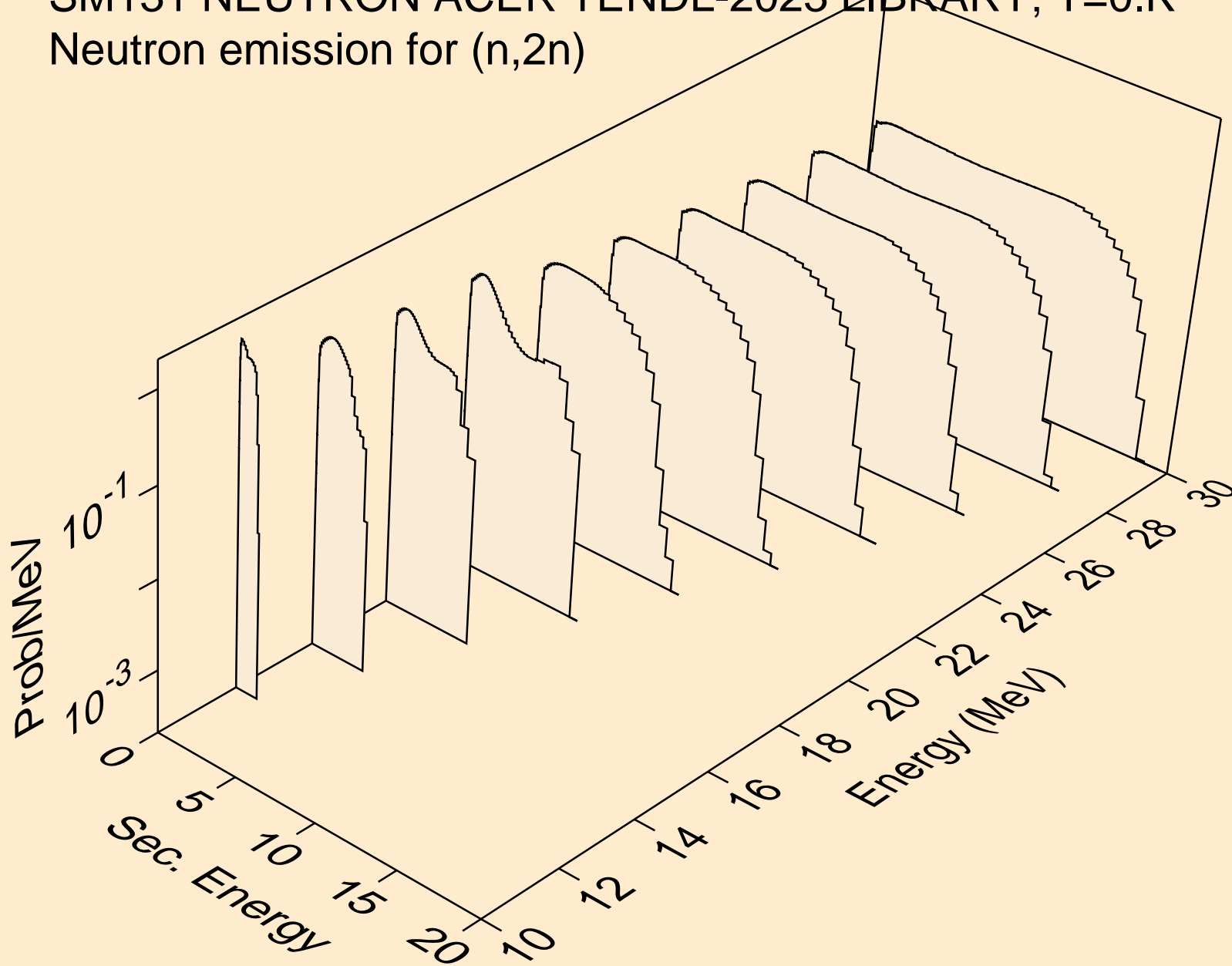




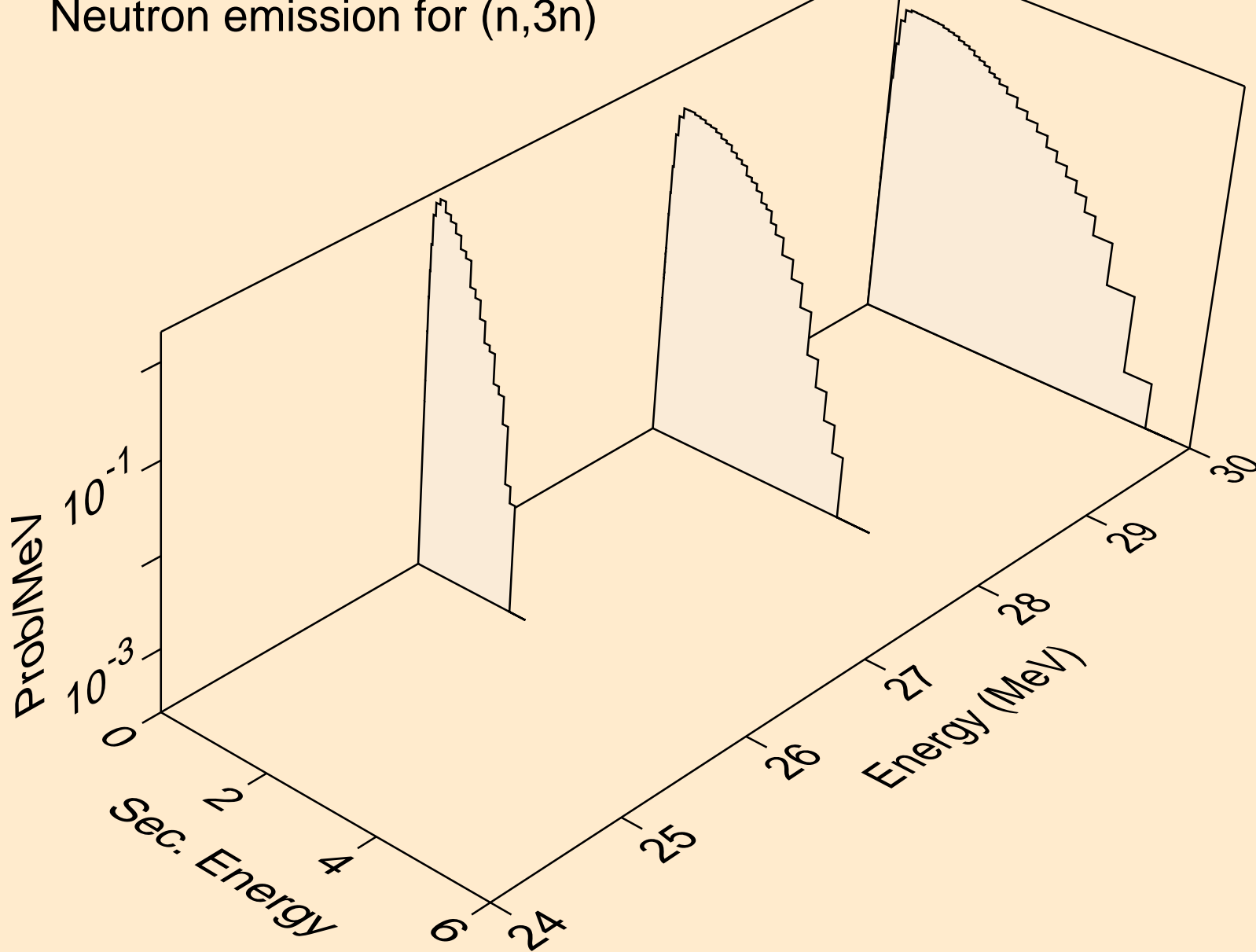
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



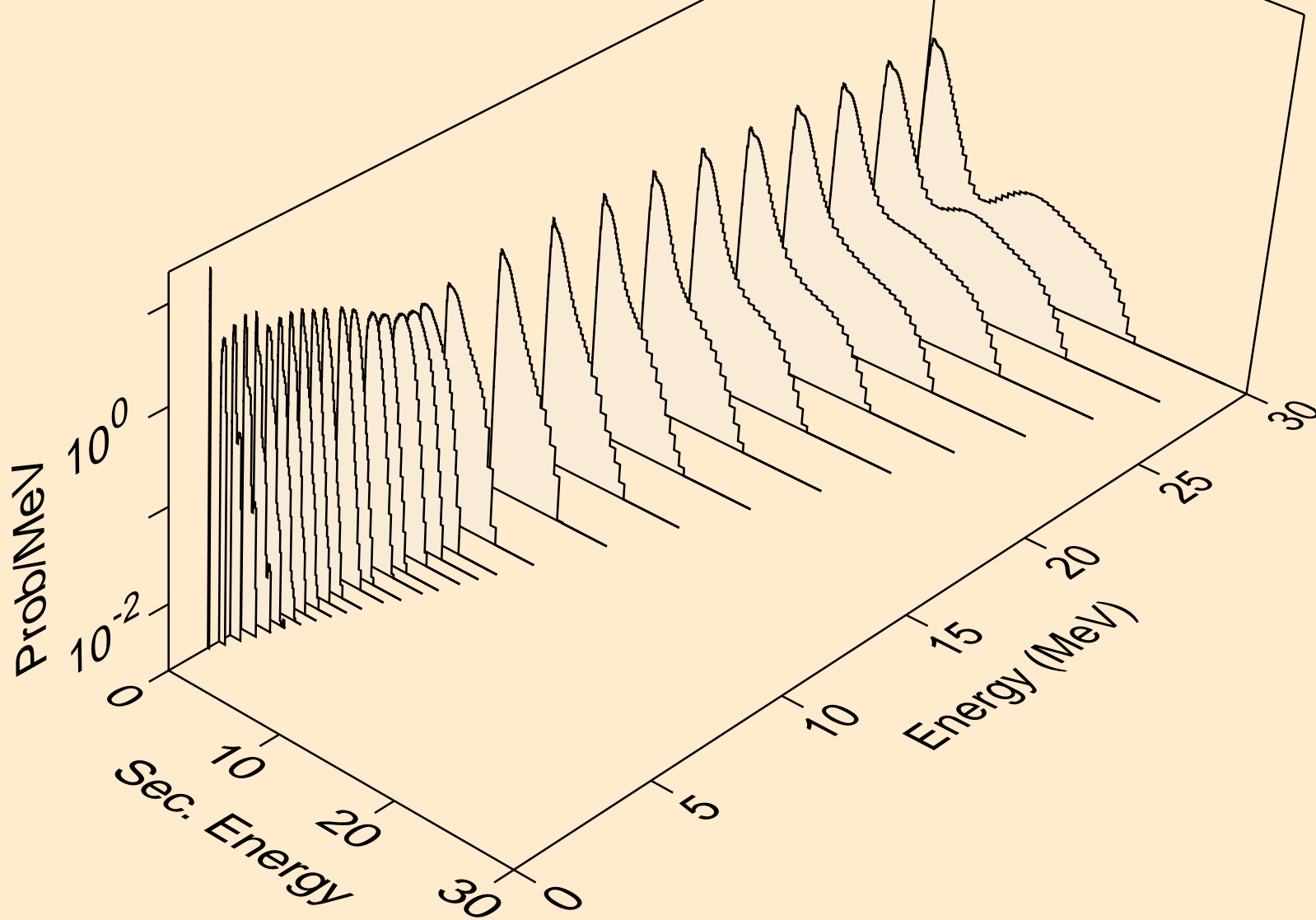
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



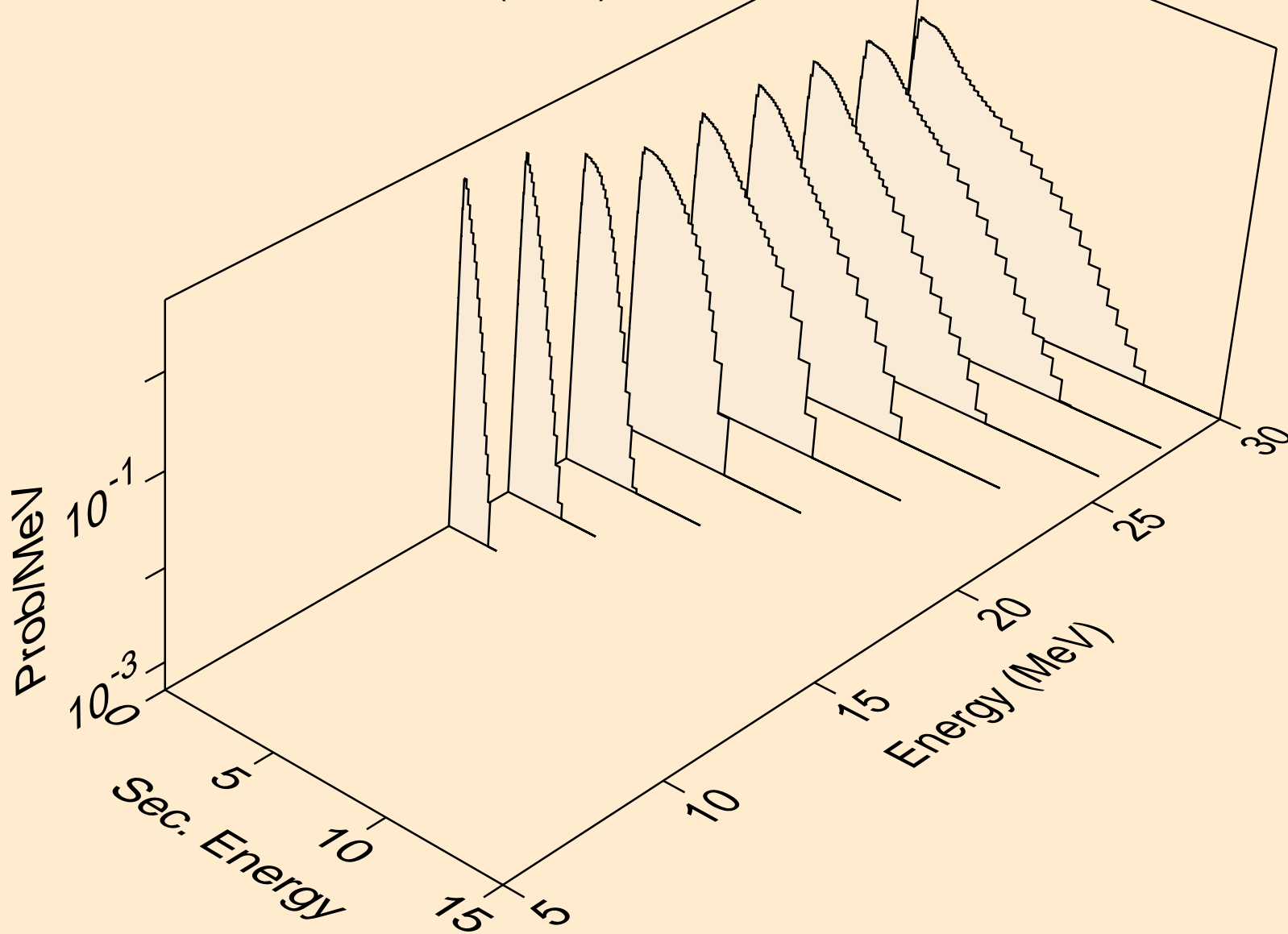
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



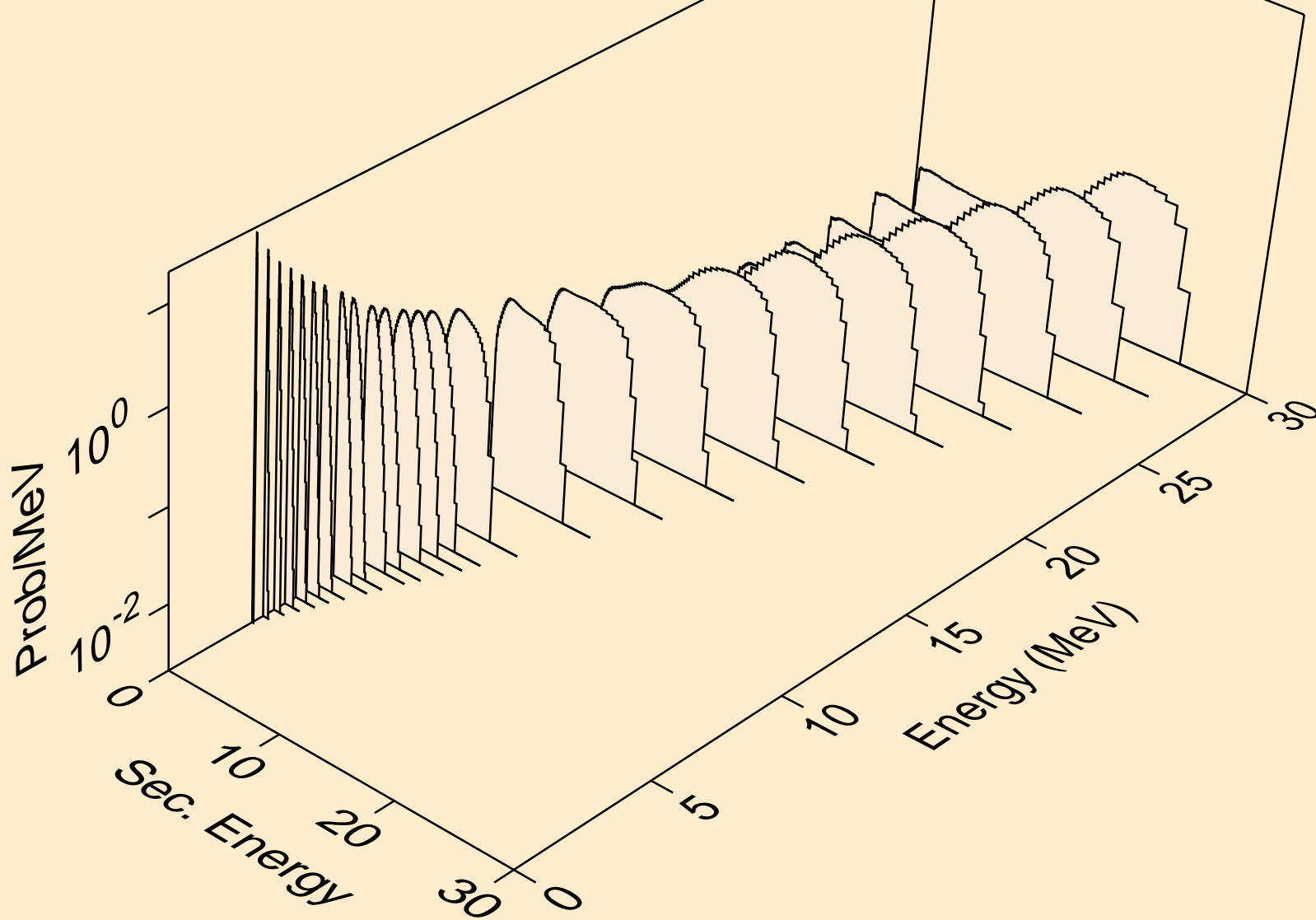
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



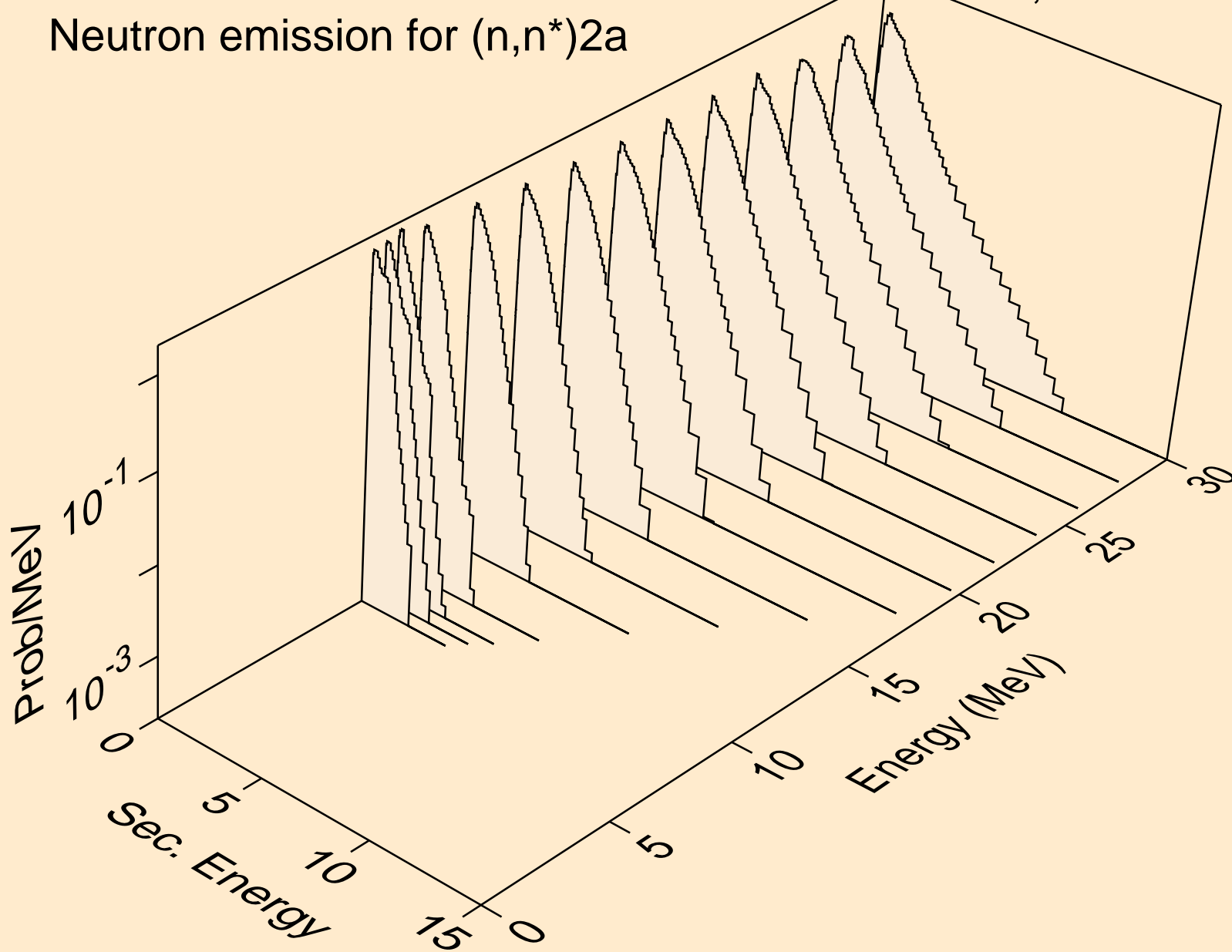
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



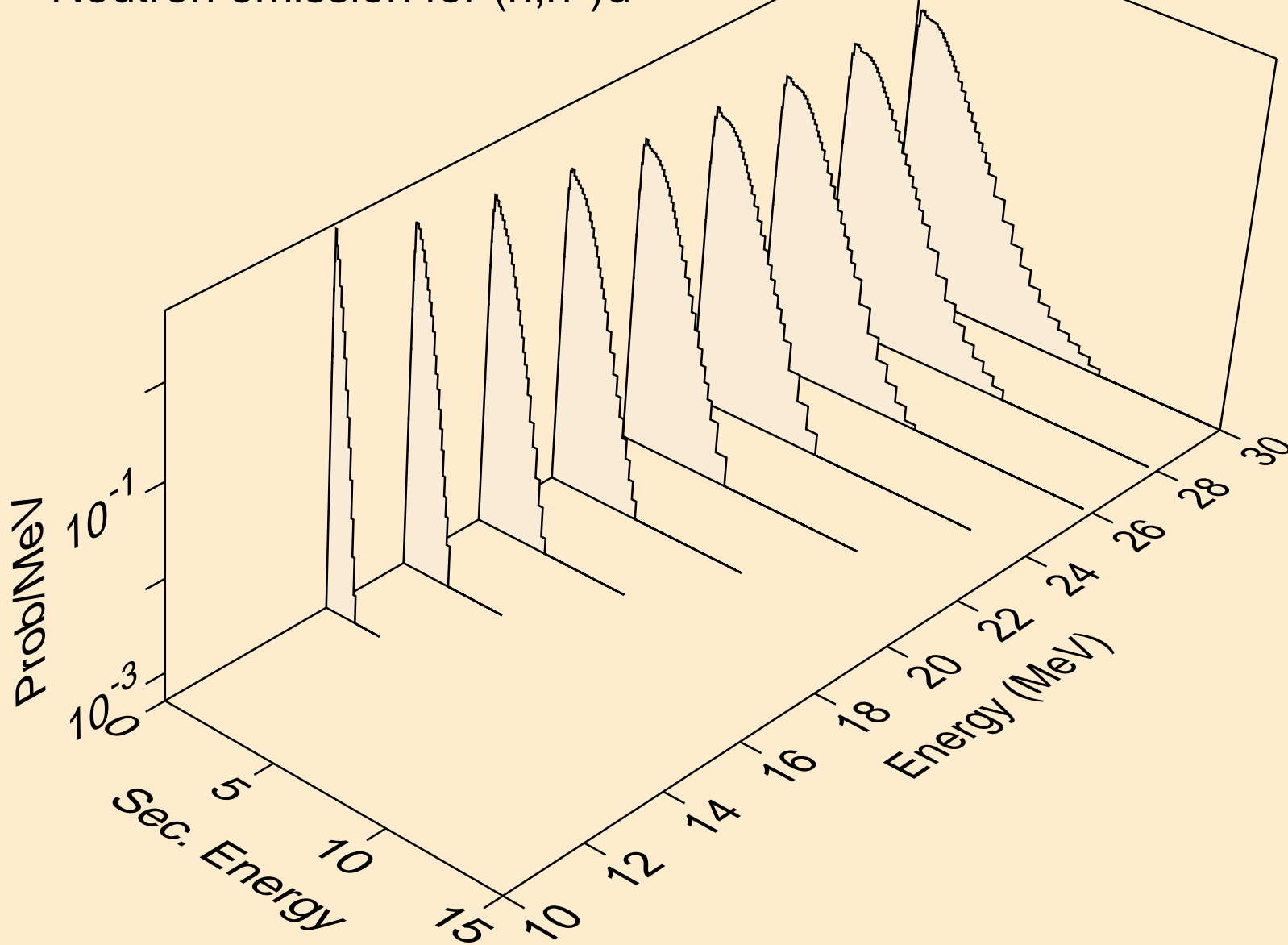
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a

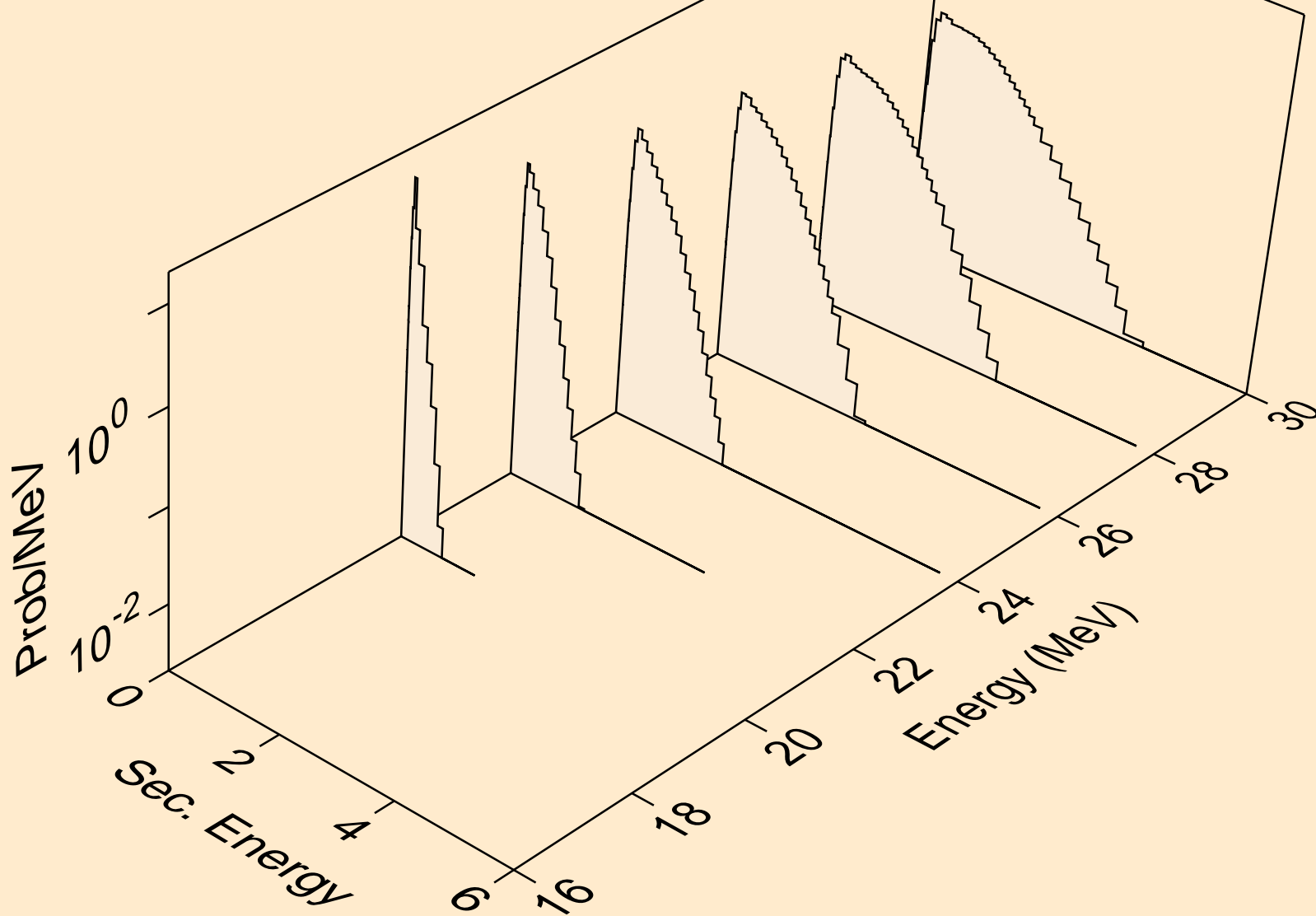


SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

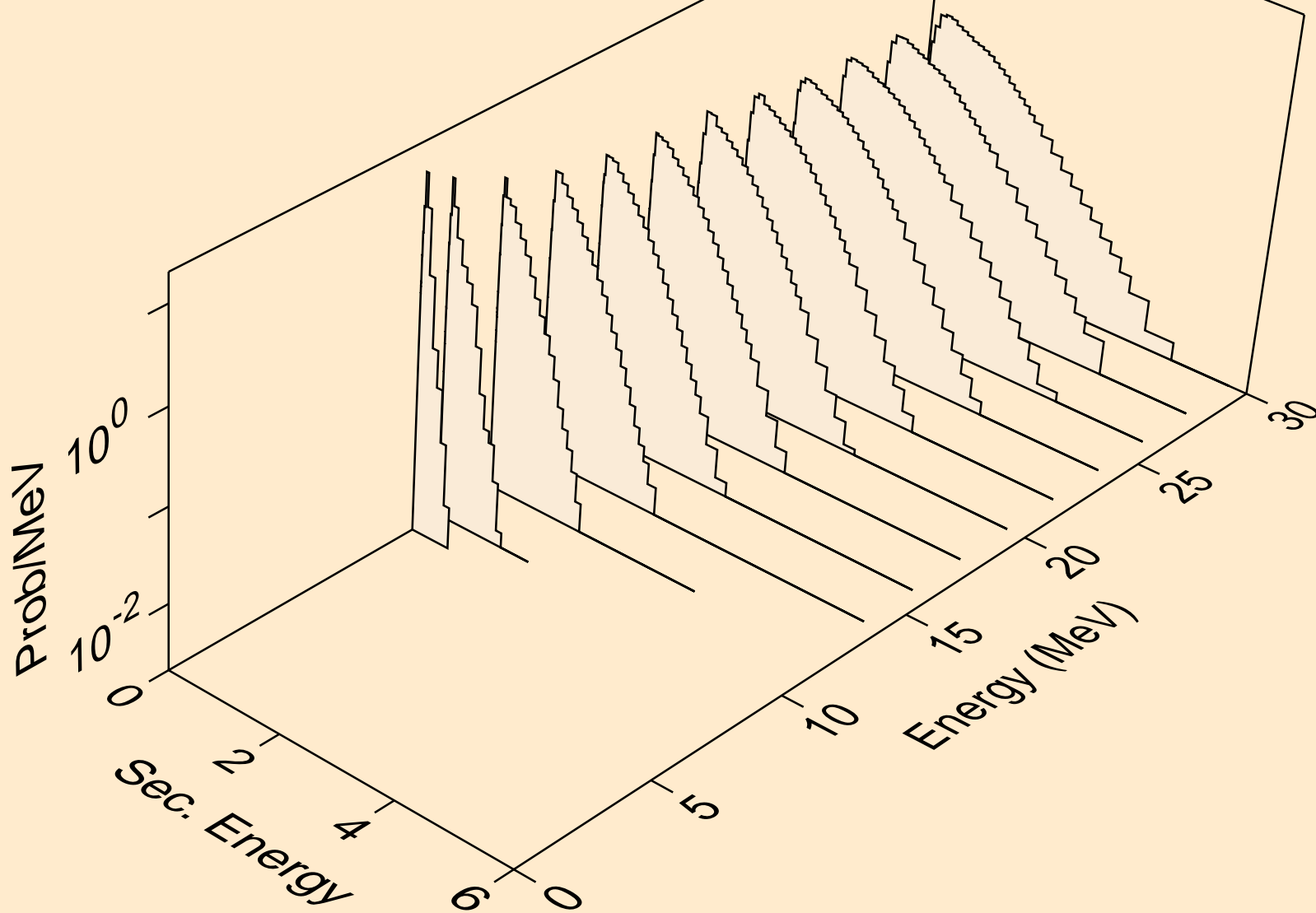




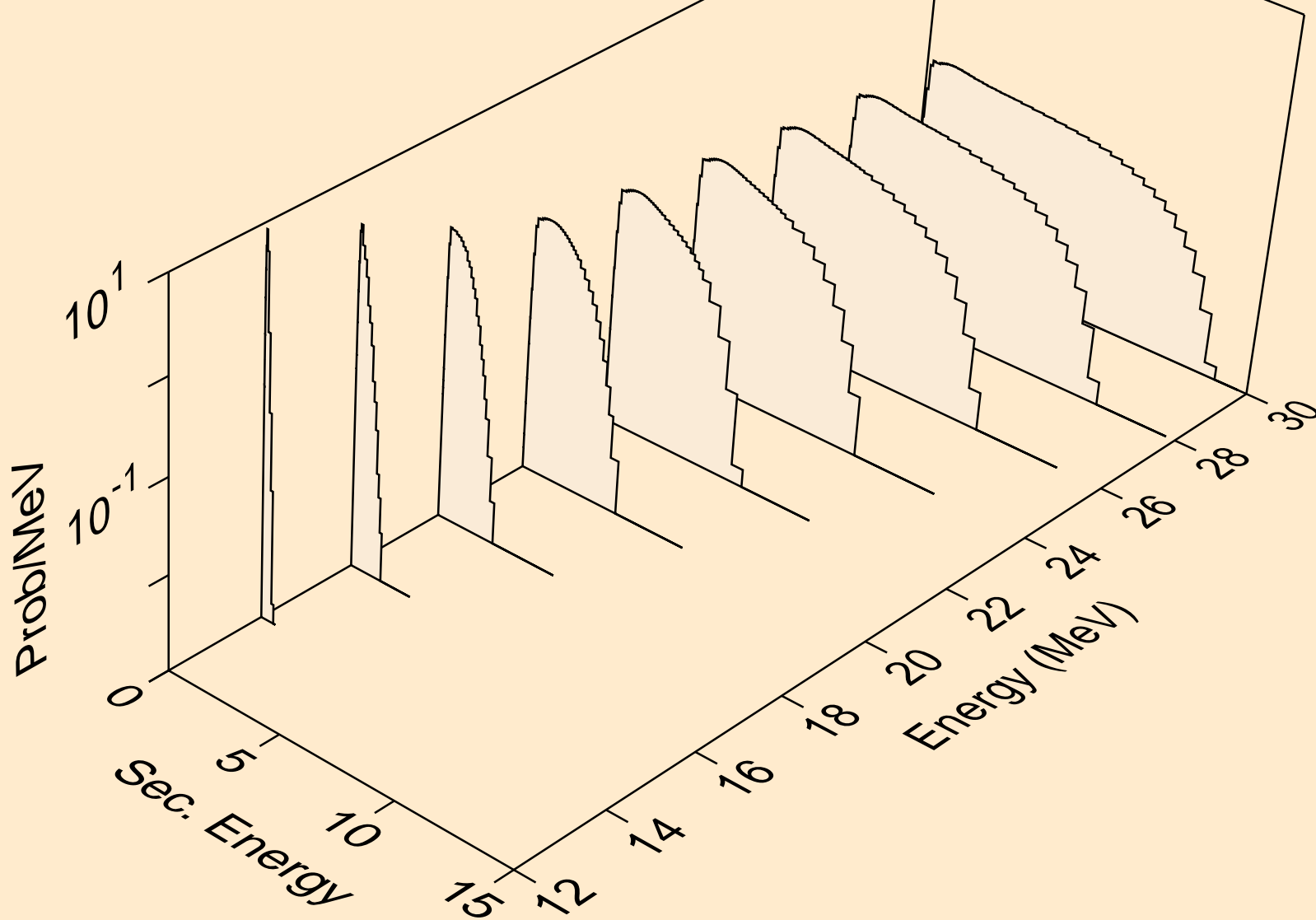
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



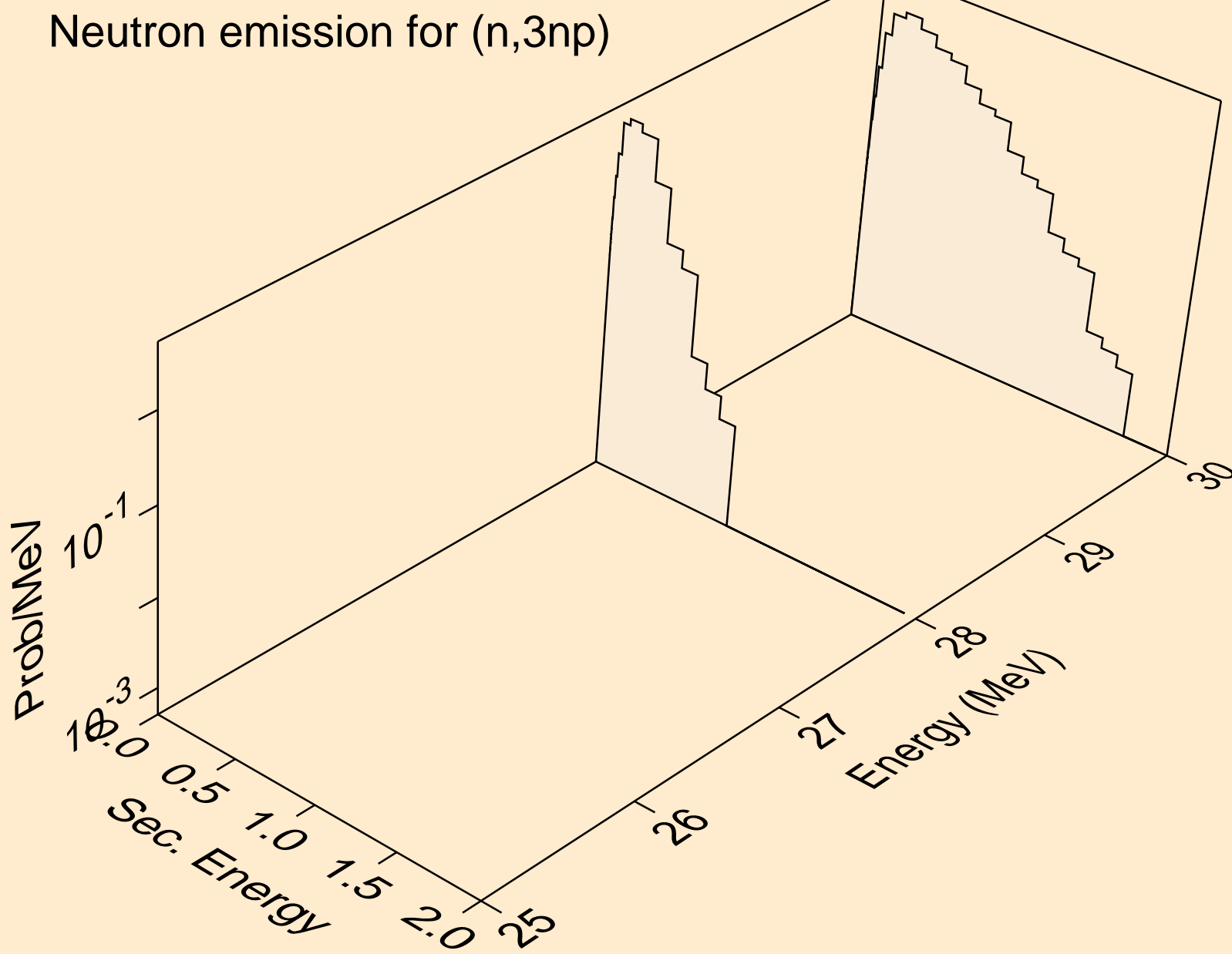
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



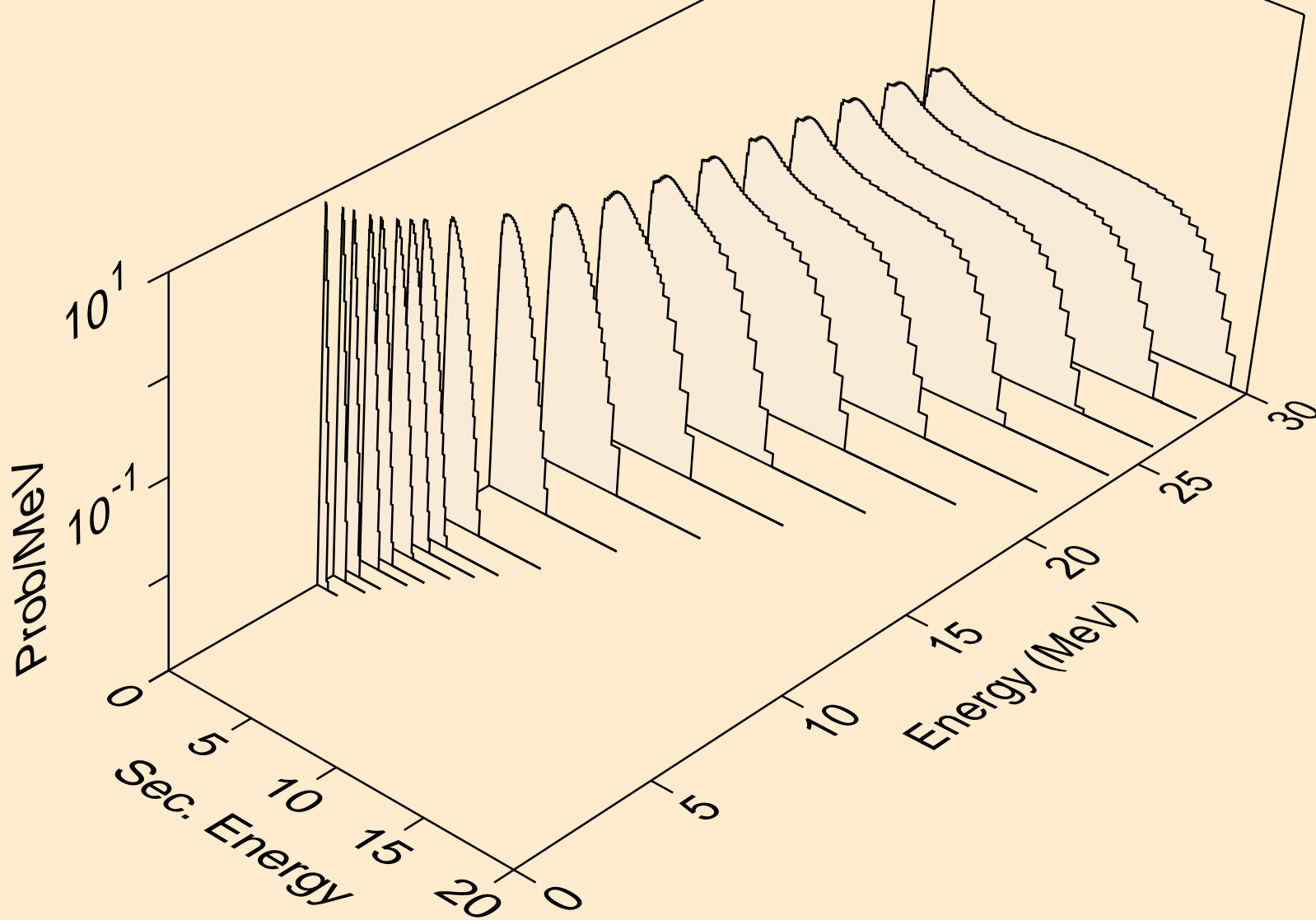
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



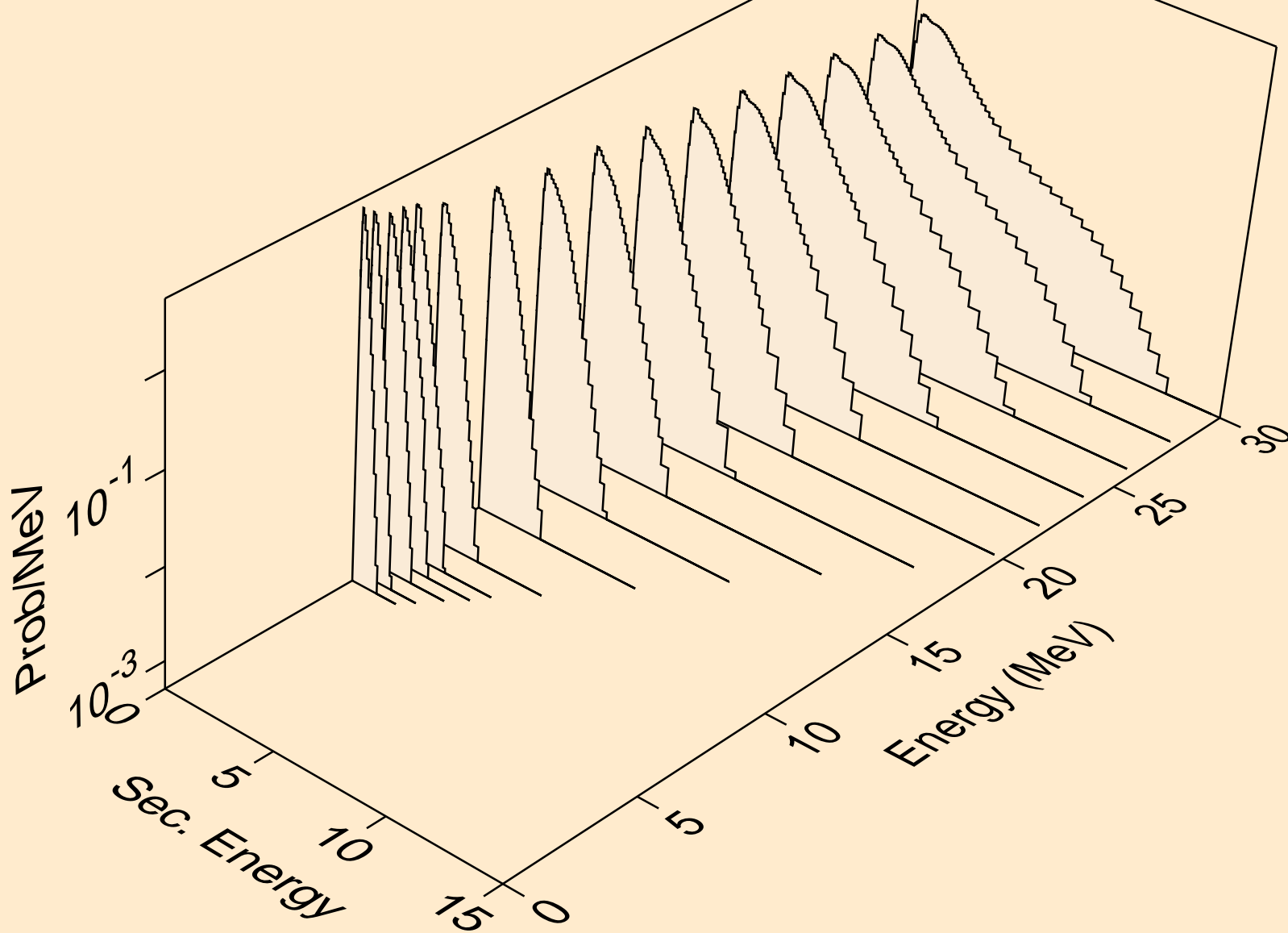
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



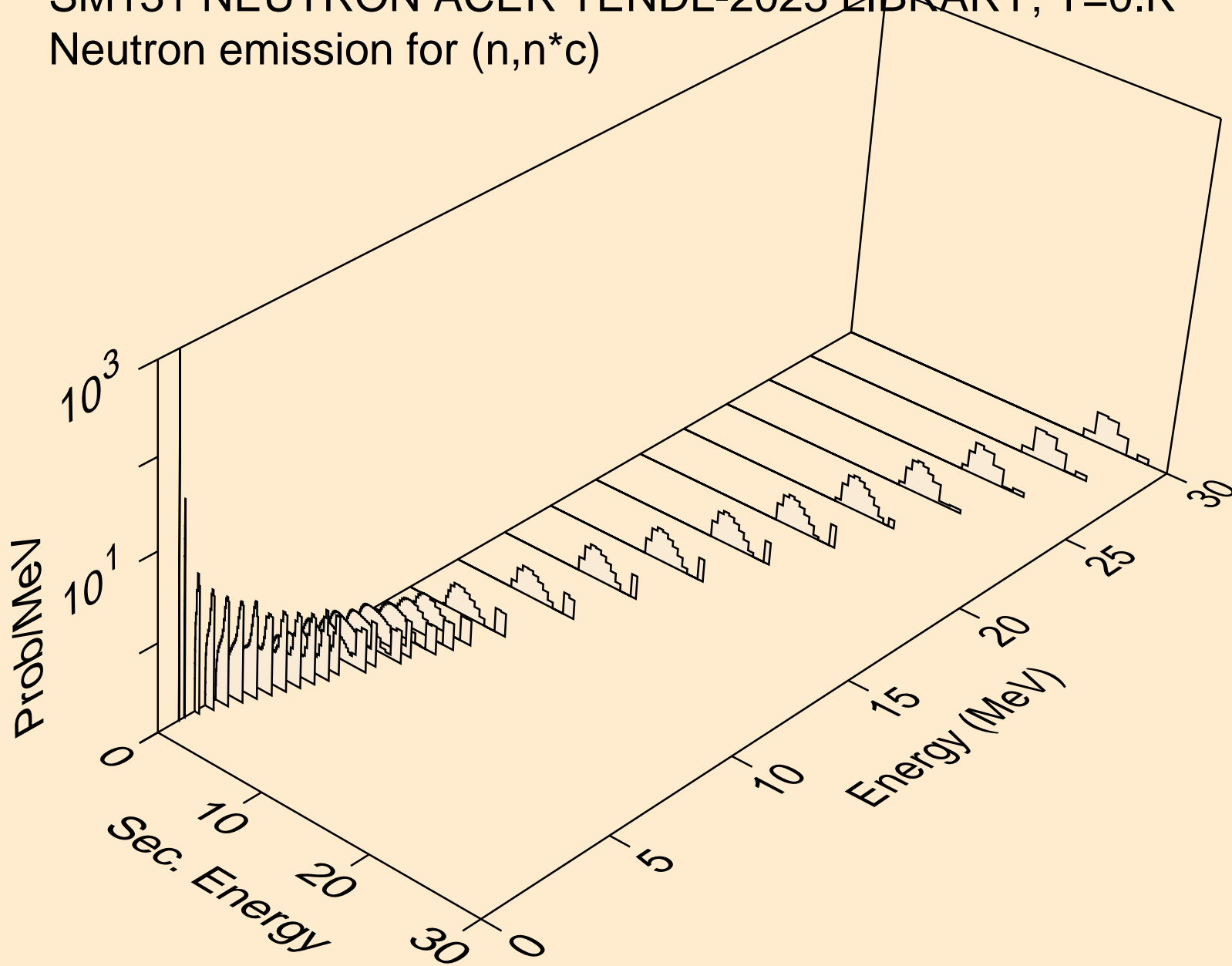
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



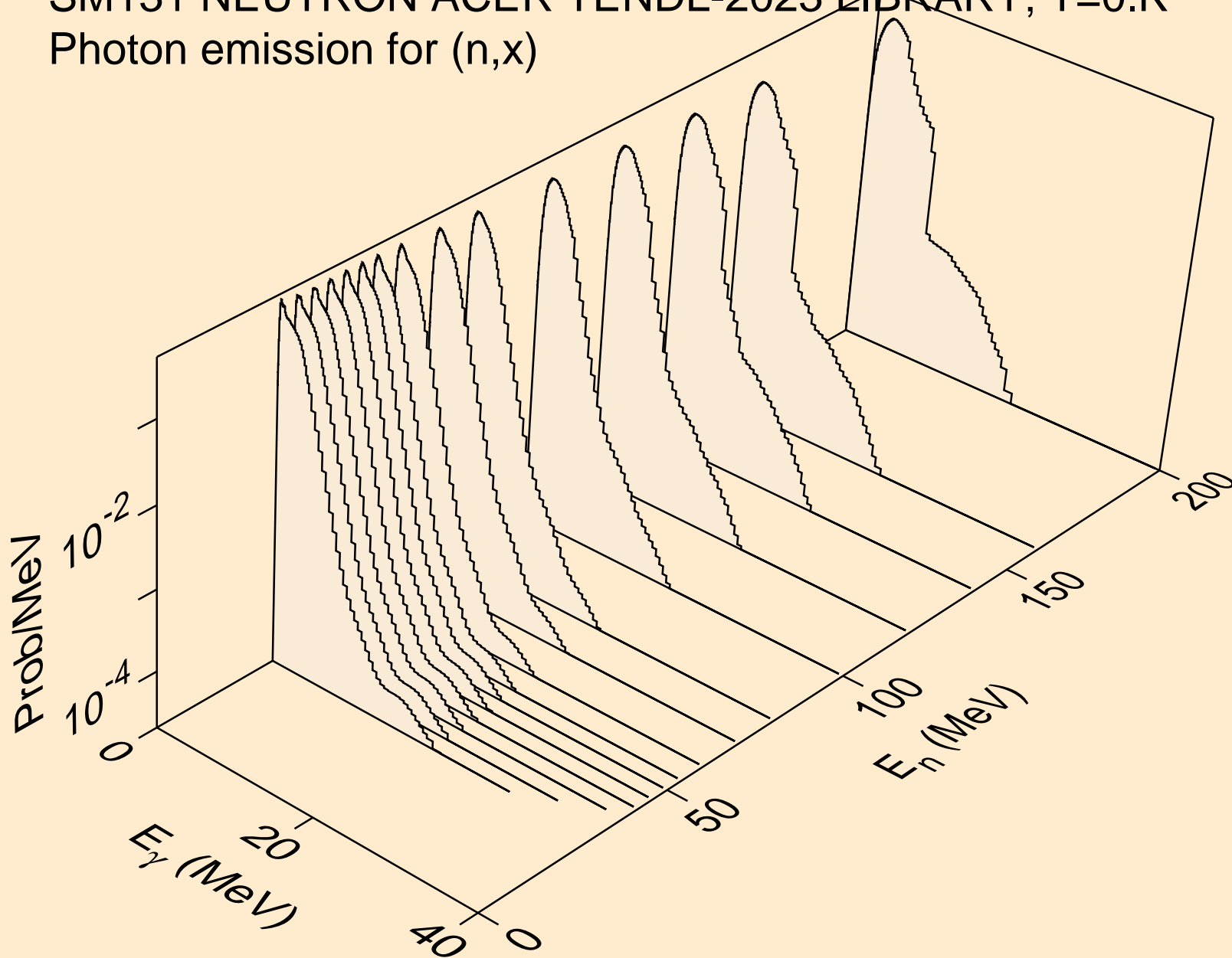
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)

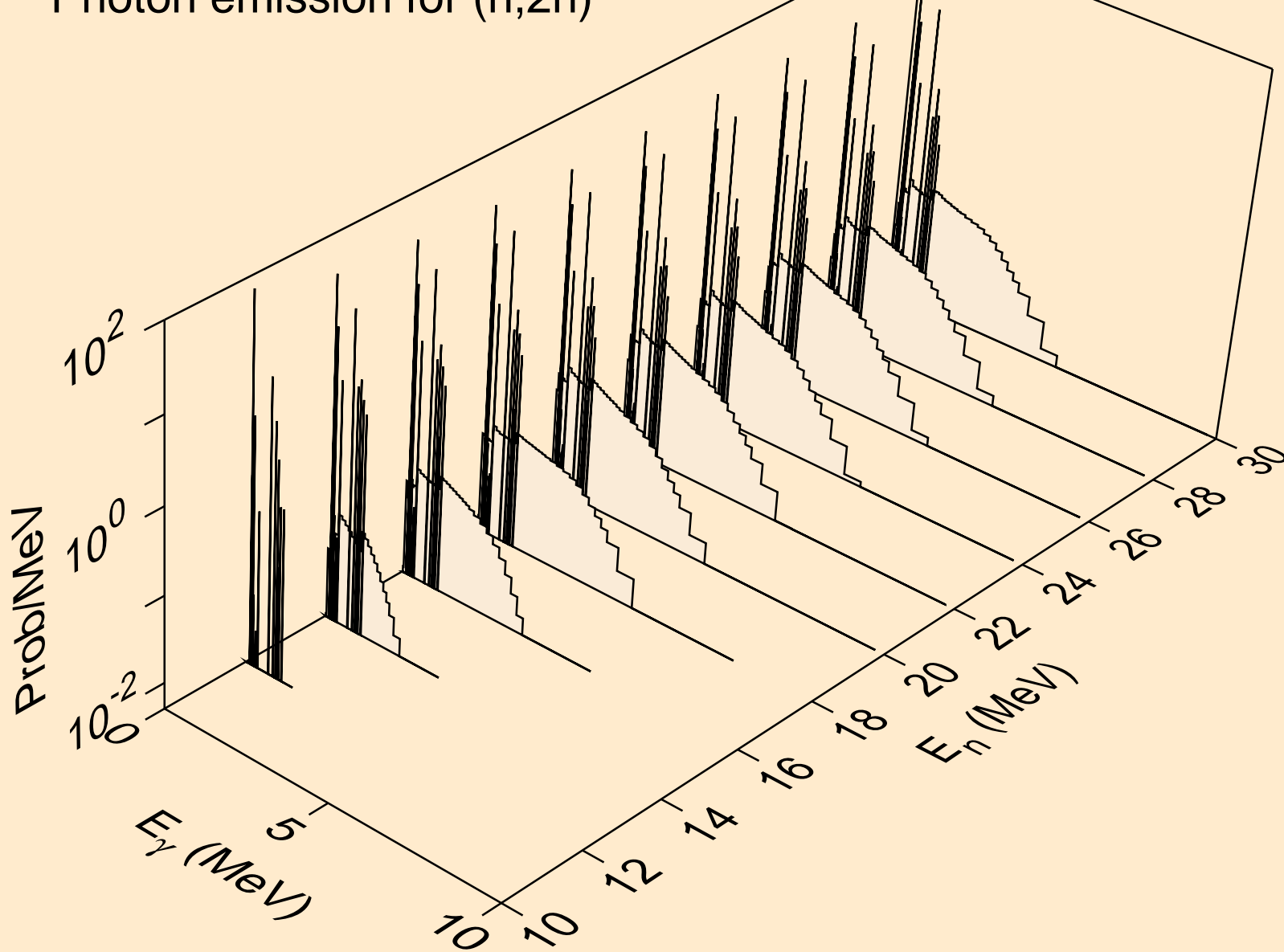


SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)

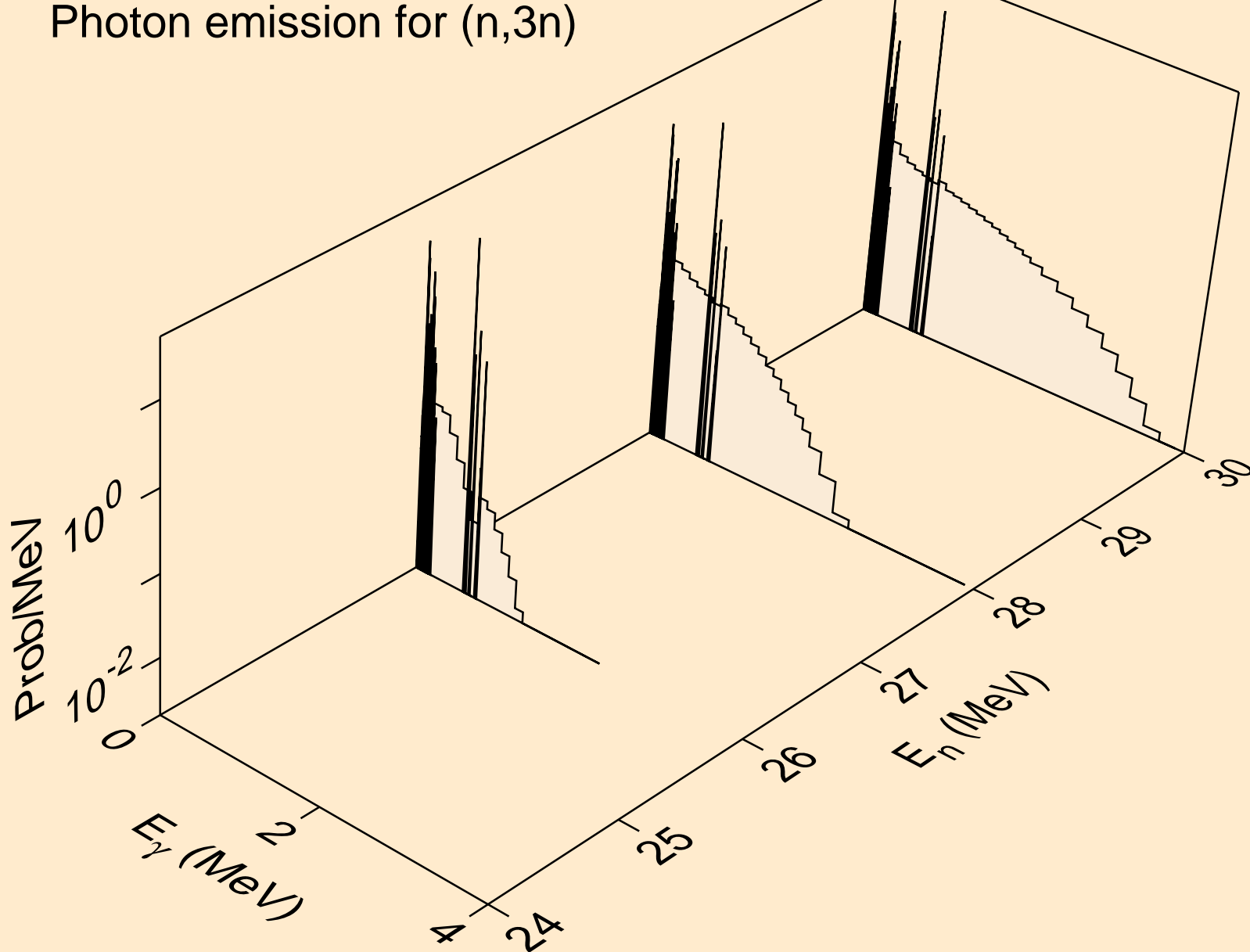




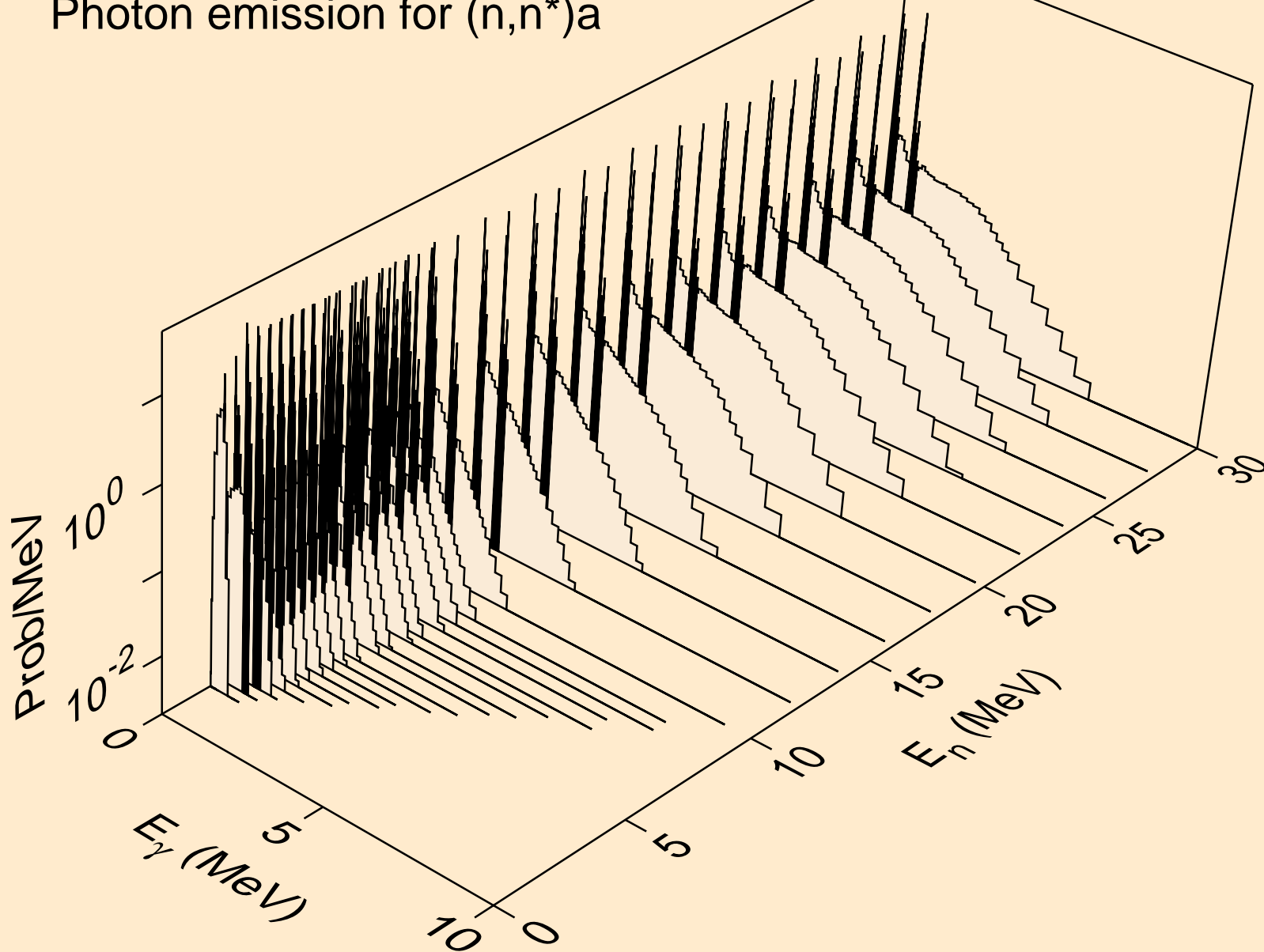
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



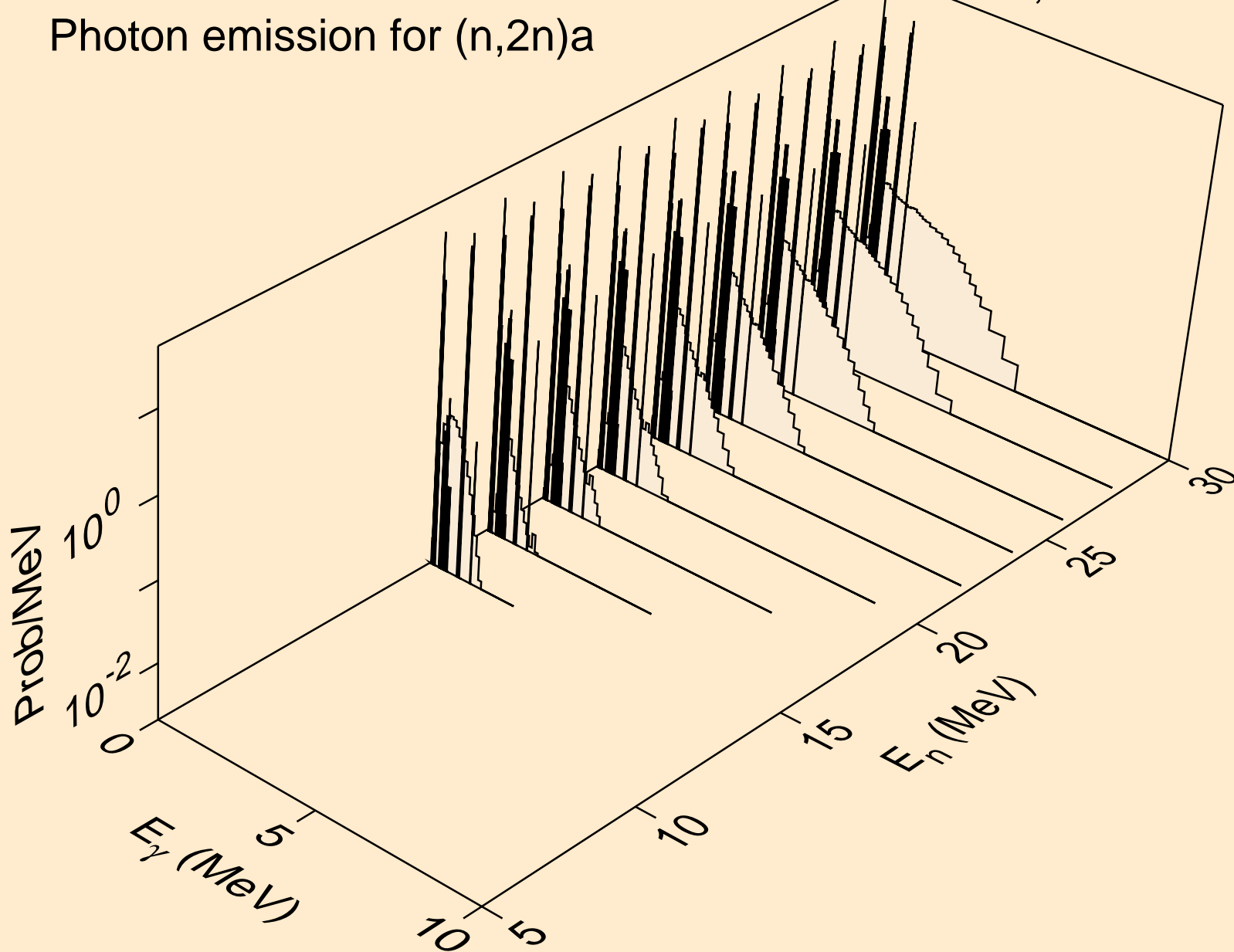
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



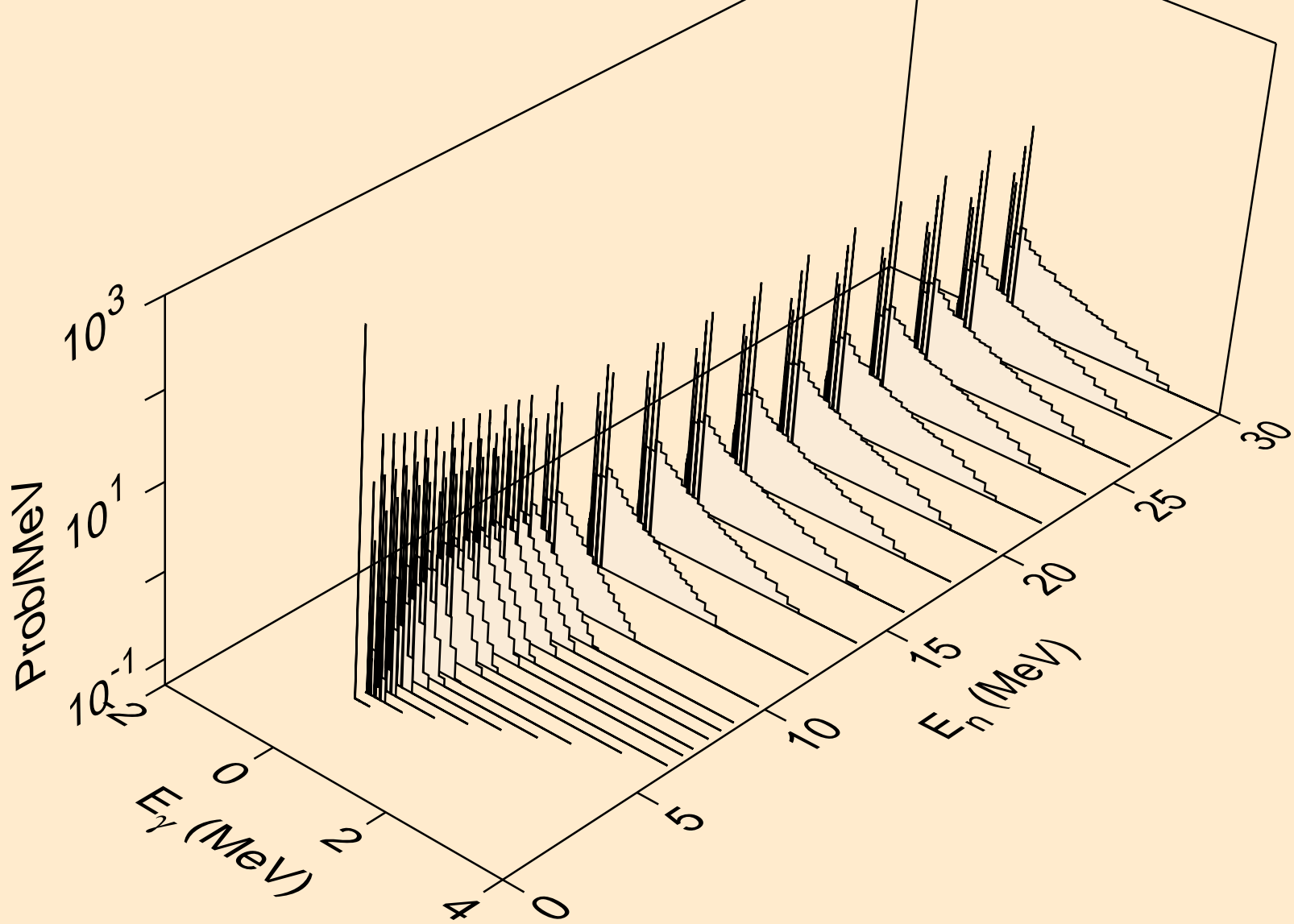
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



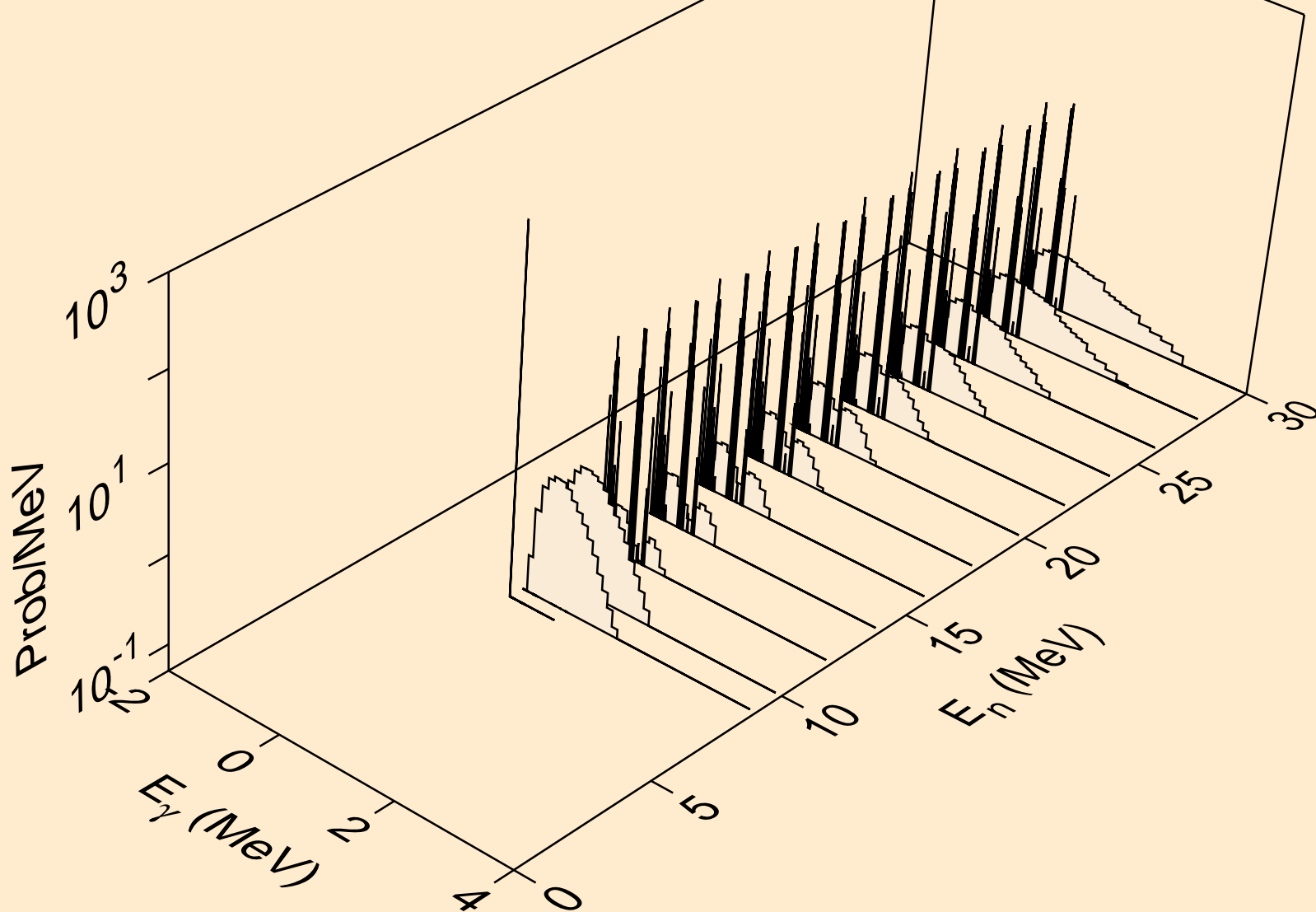
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n) $\alpha$



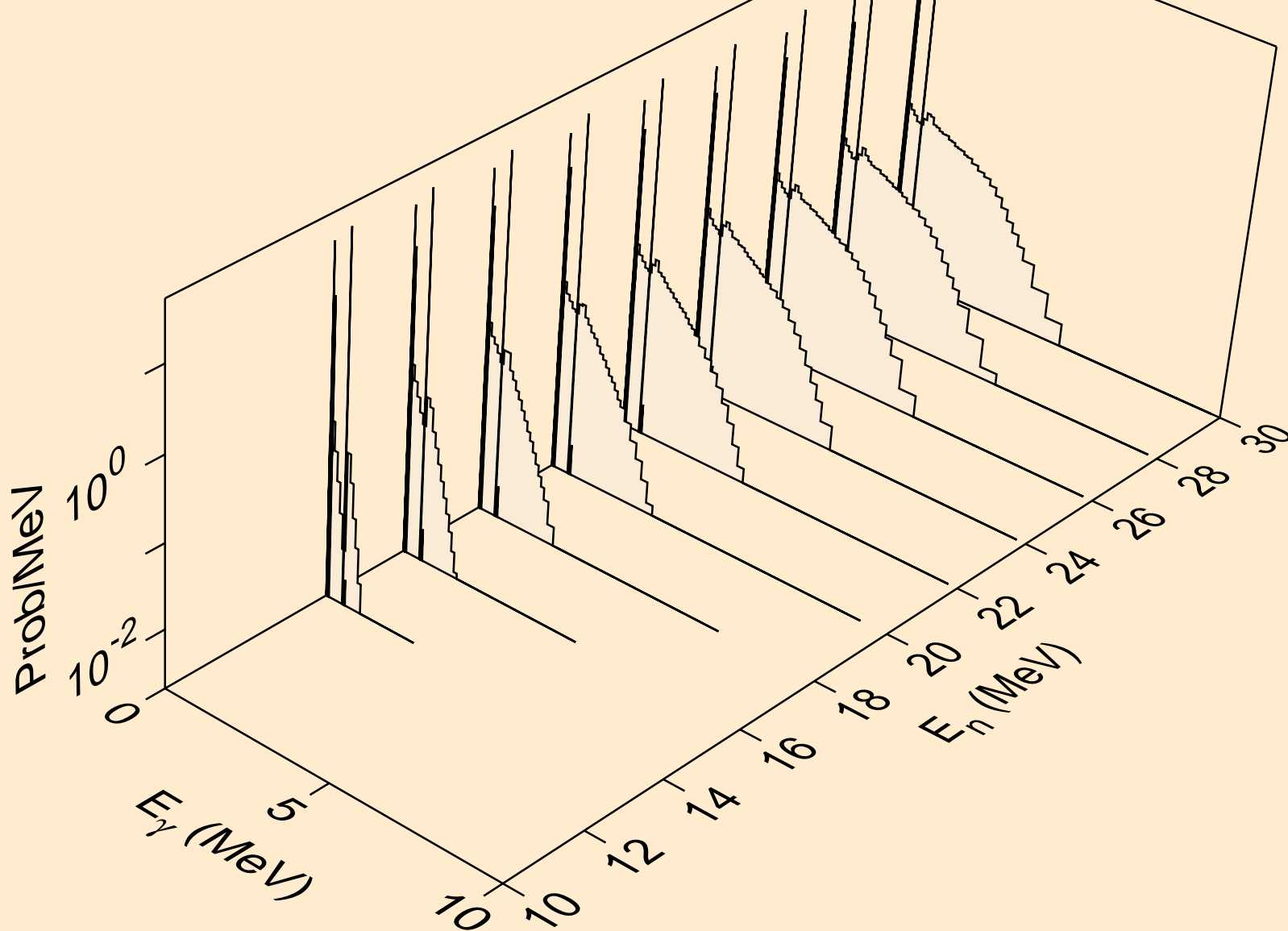
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



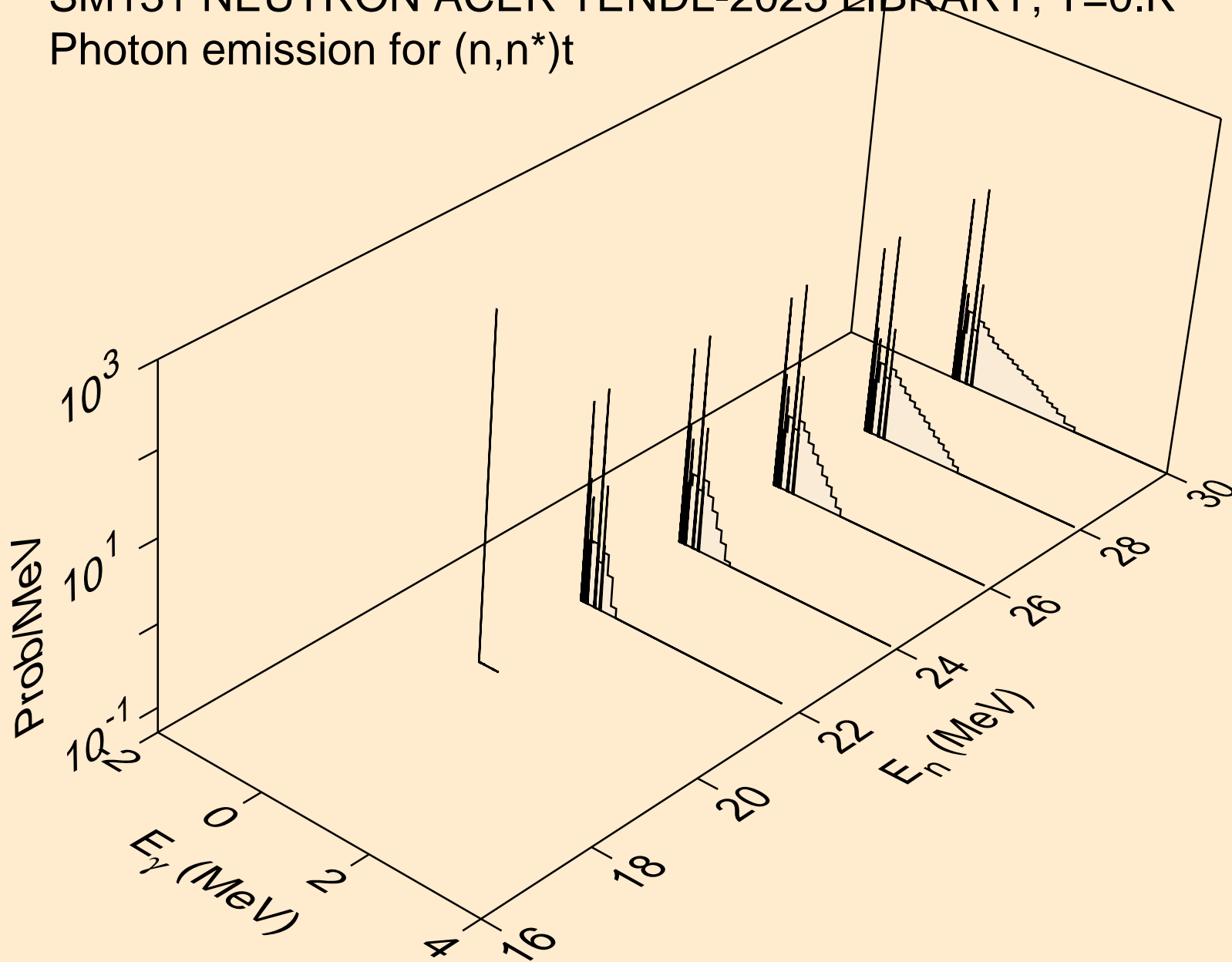
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

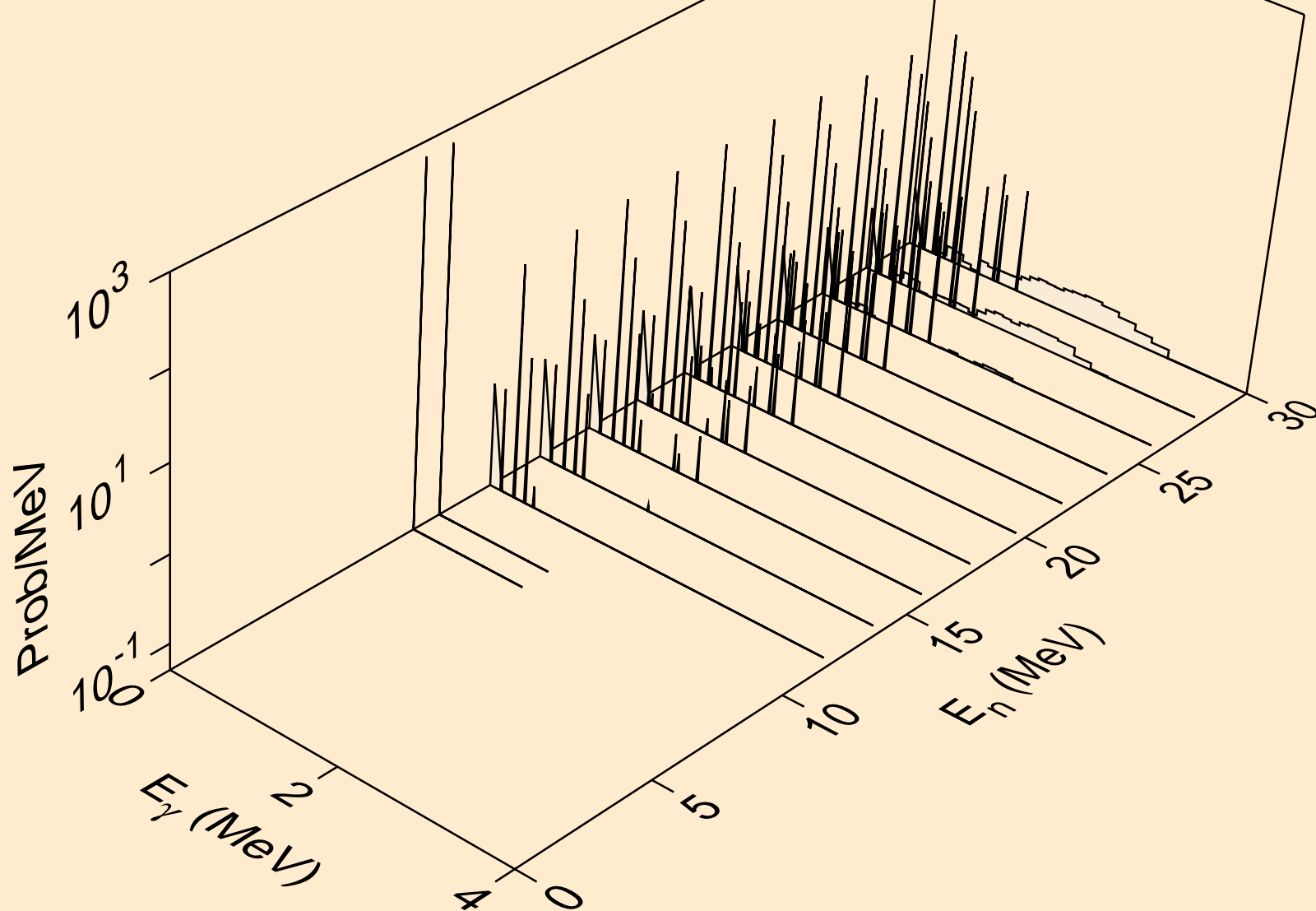


SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

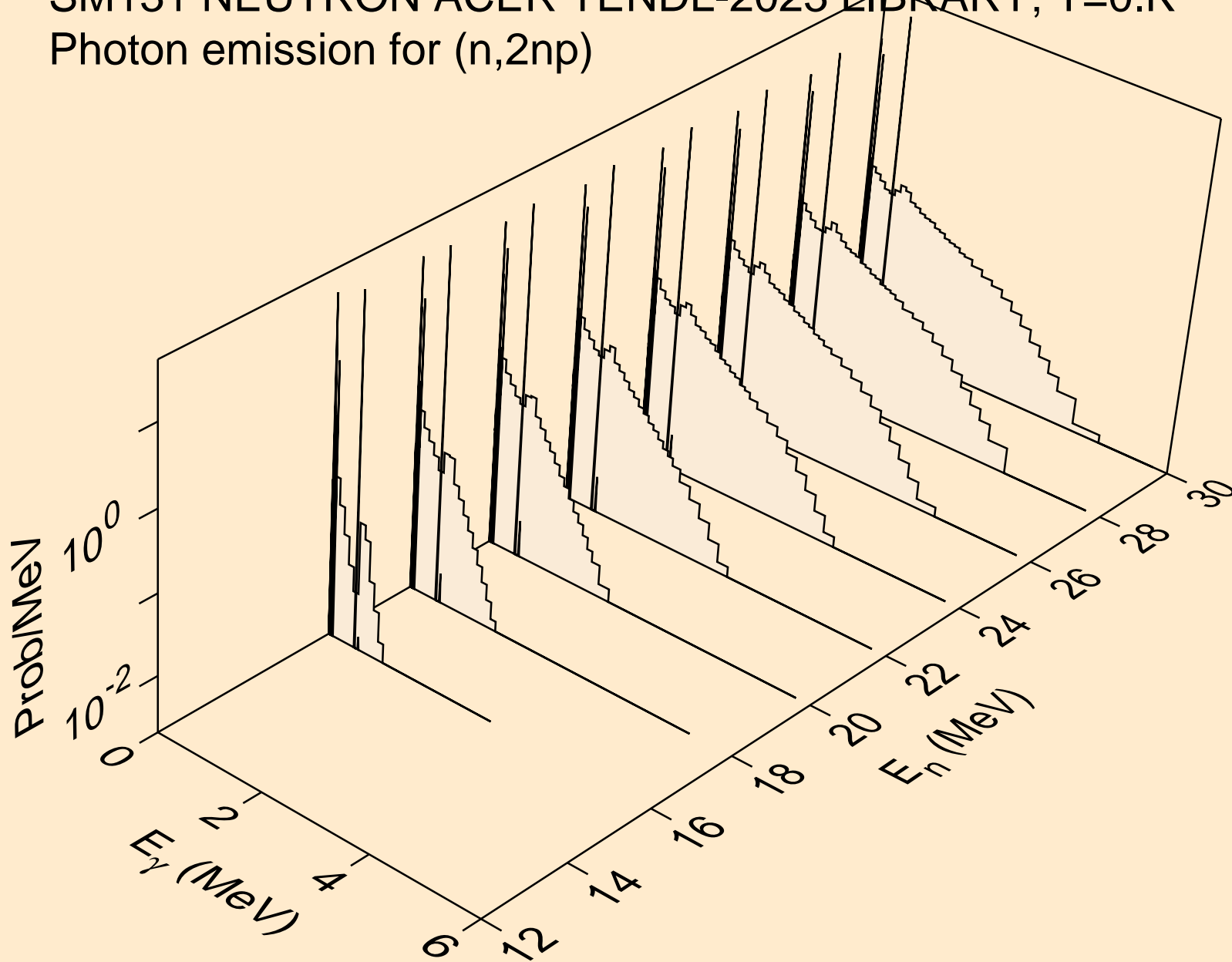




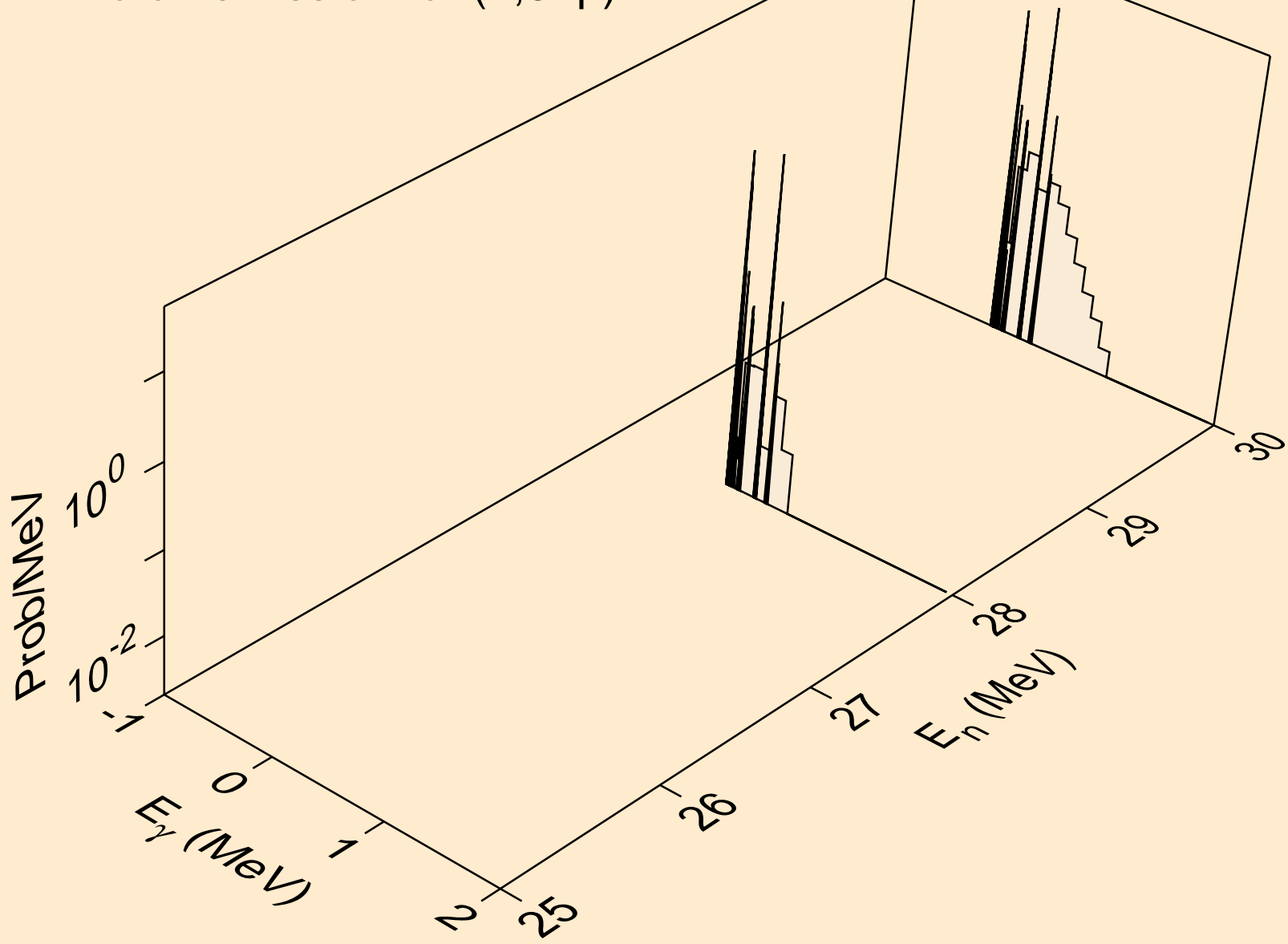
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



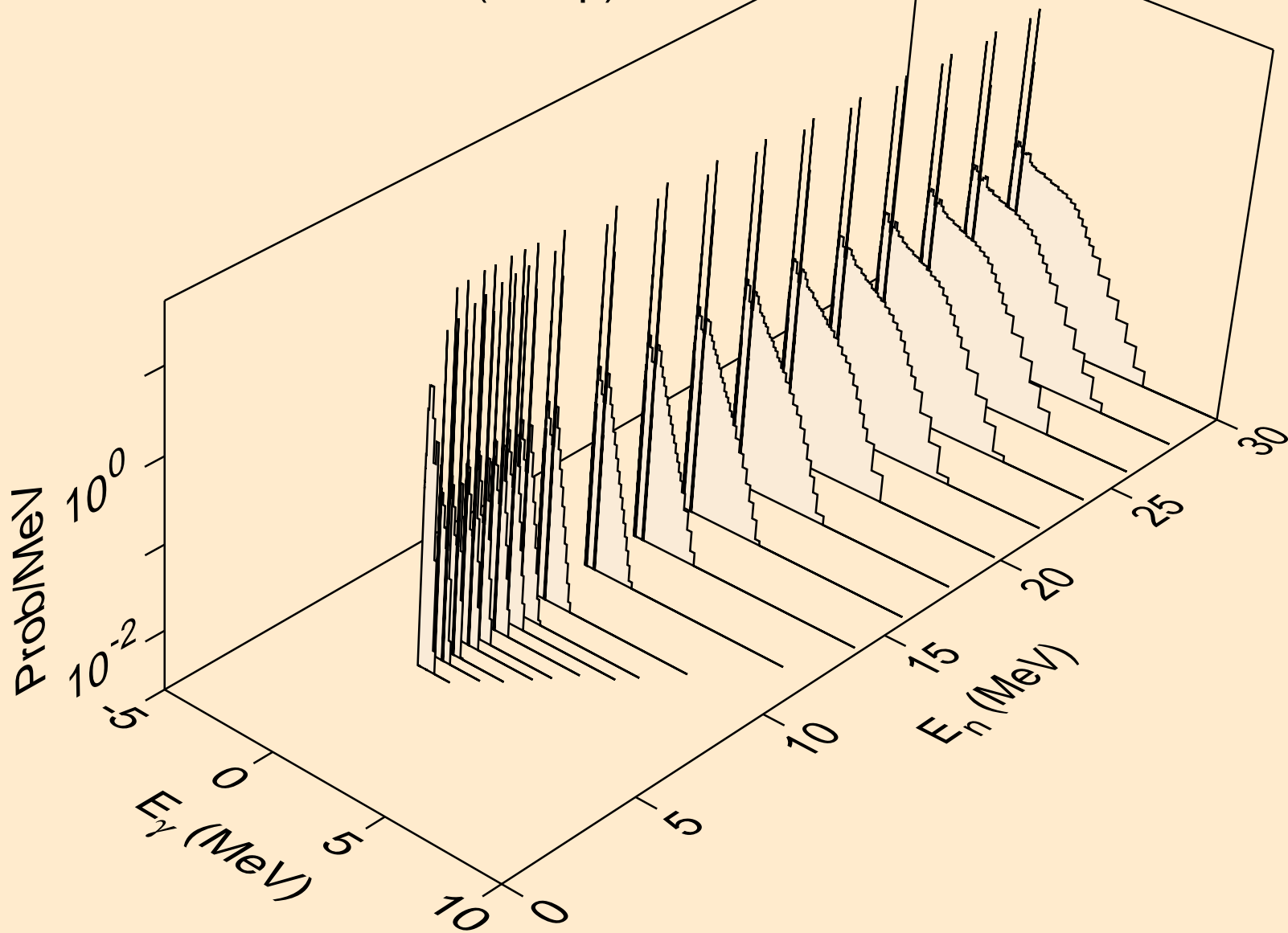
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



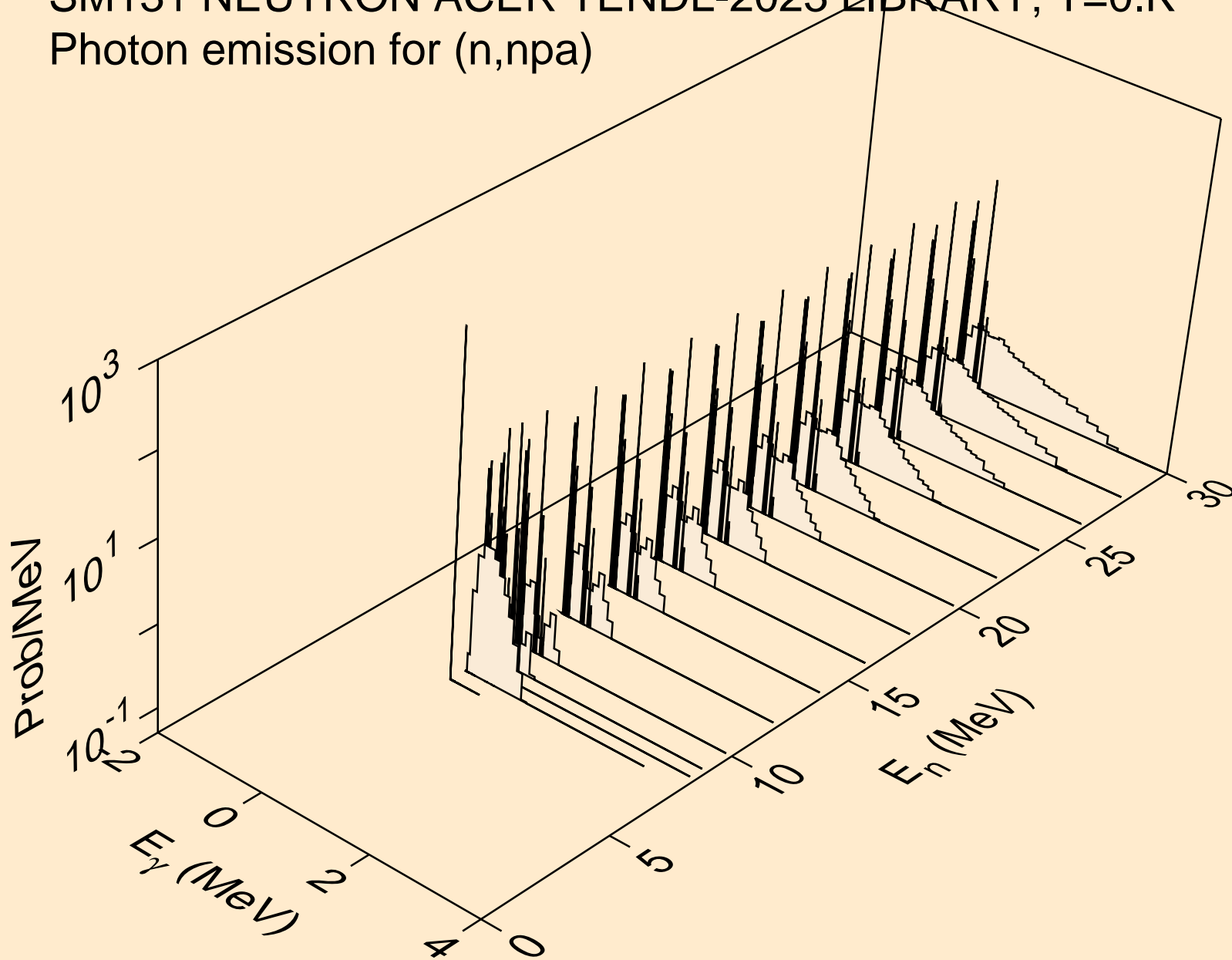
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



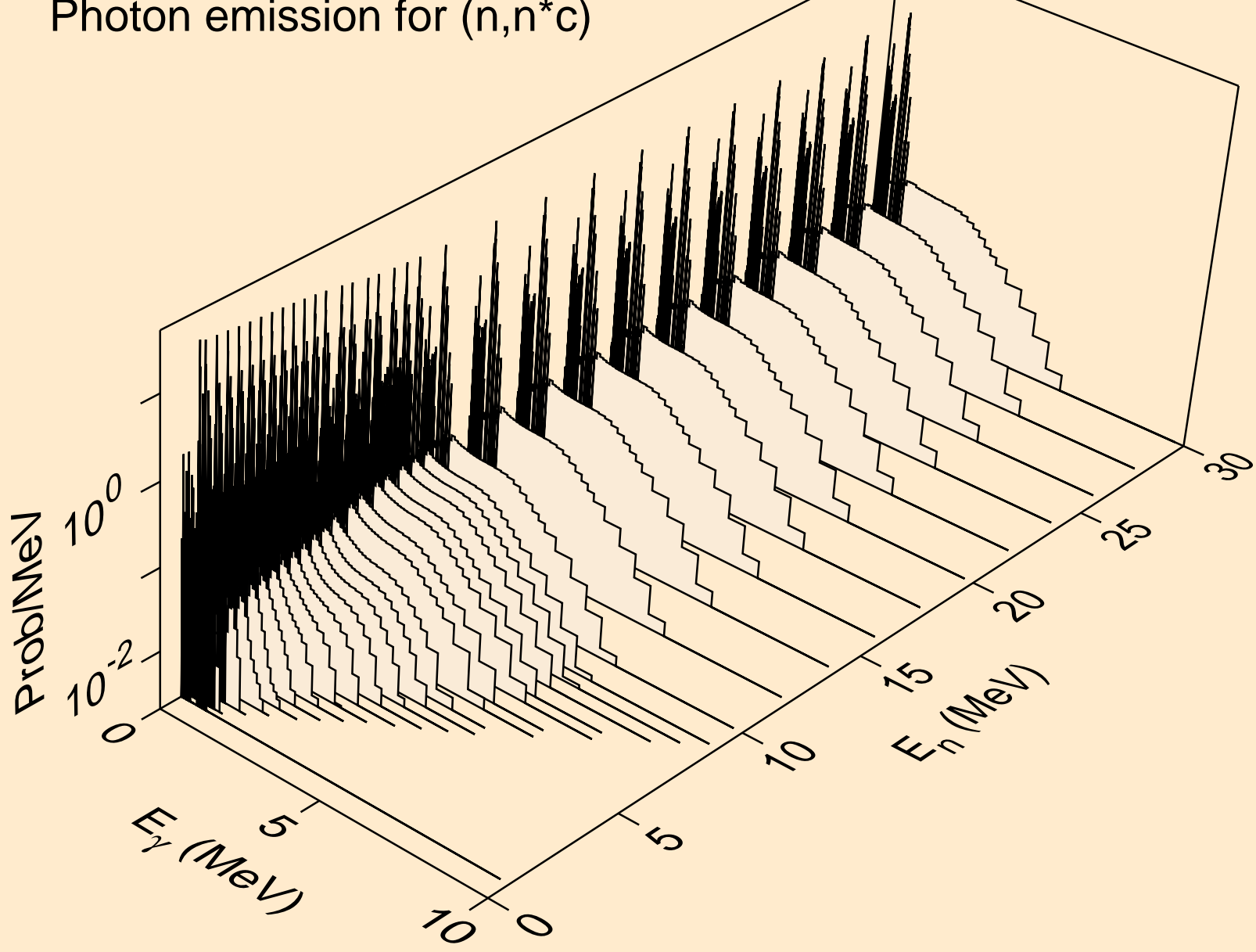
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



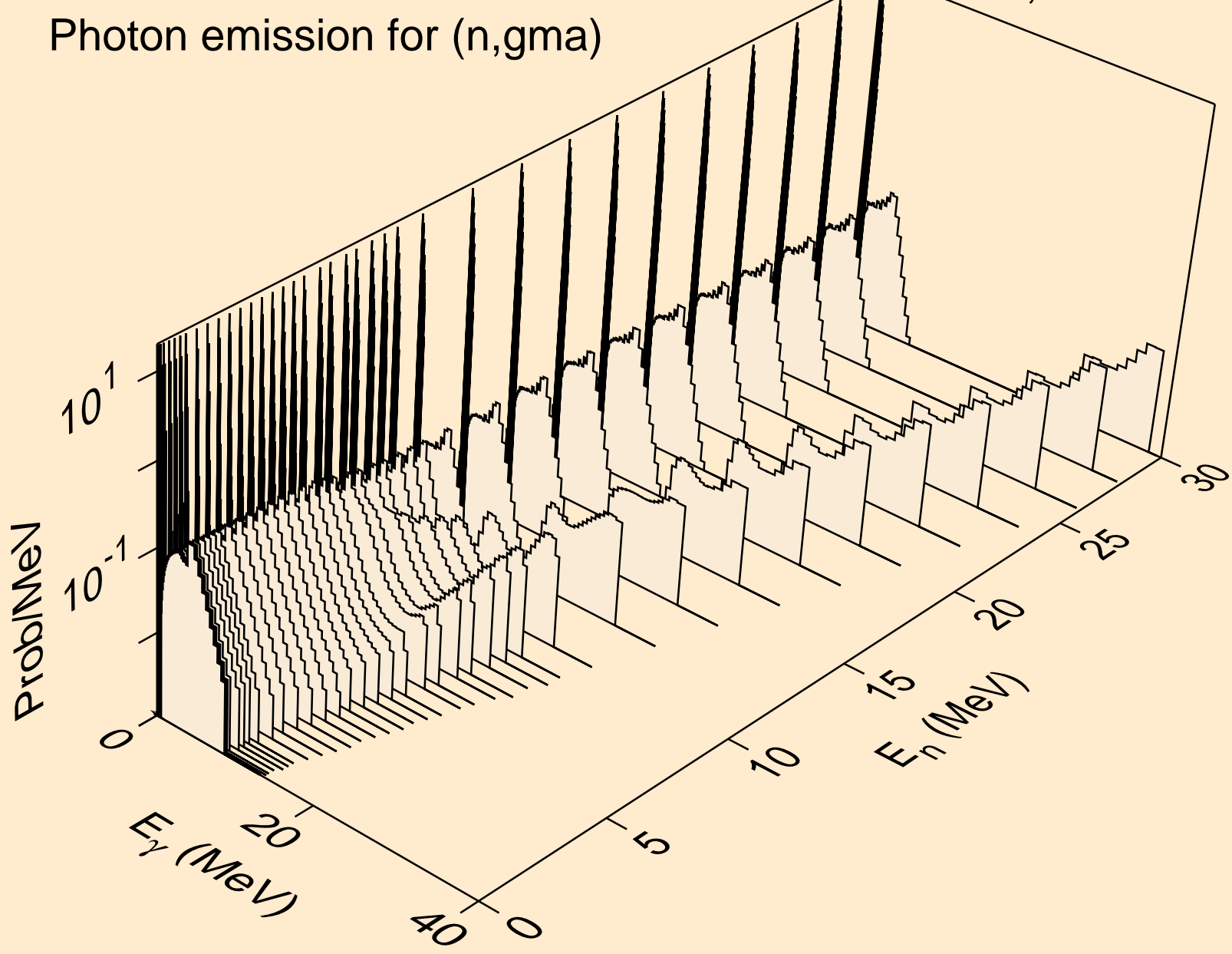
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



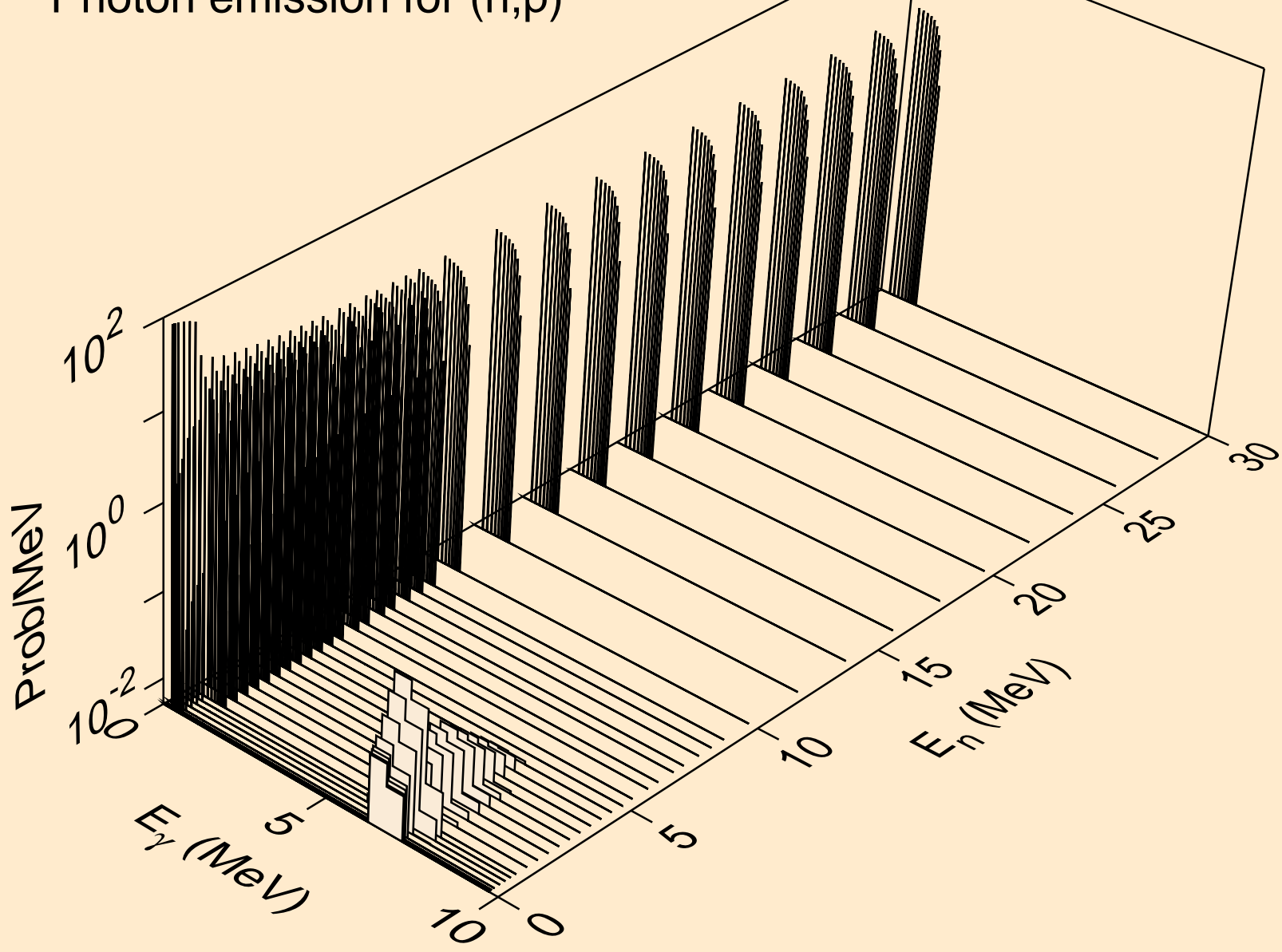
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)

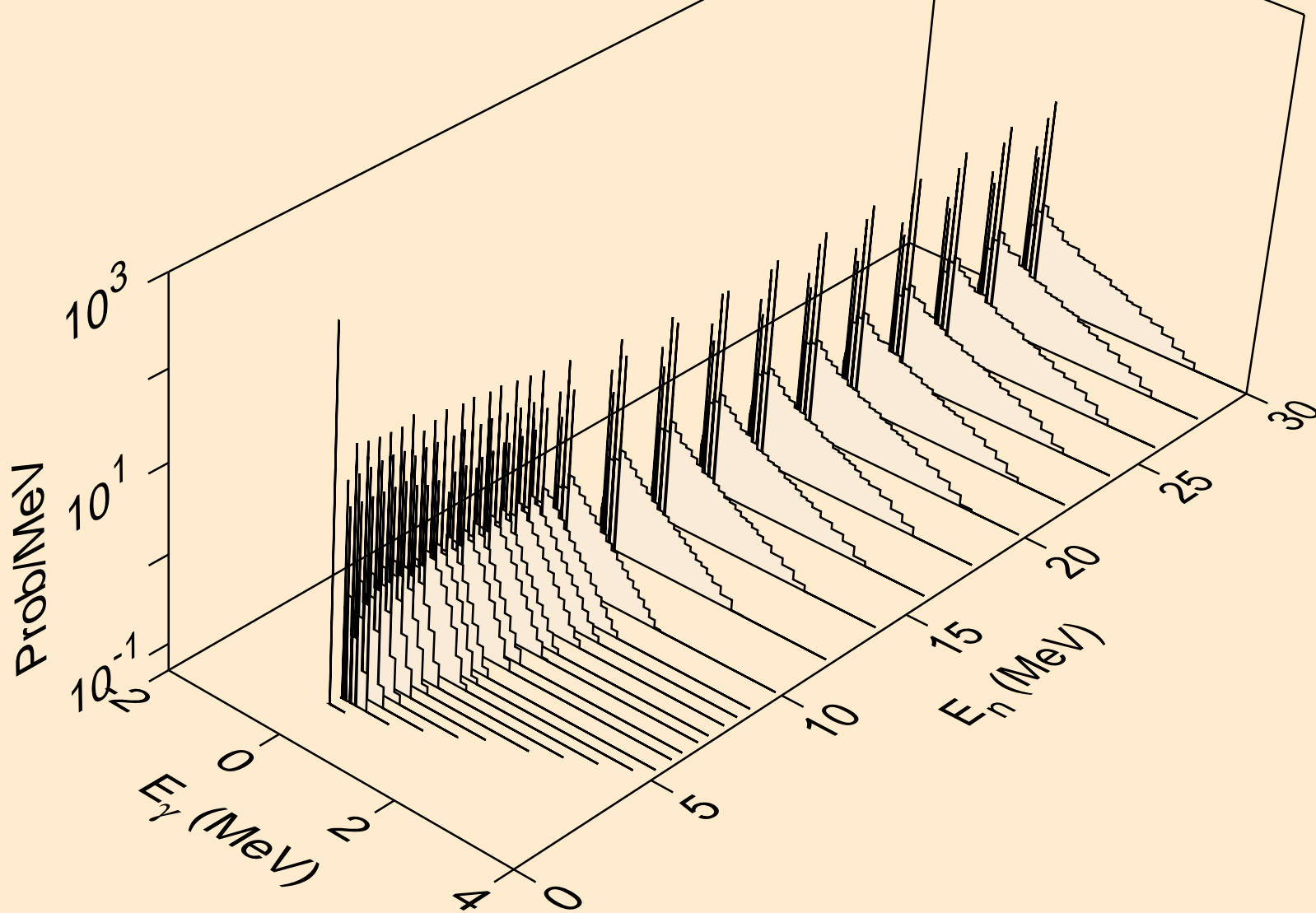


SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)

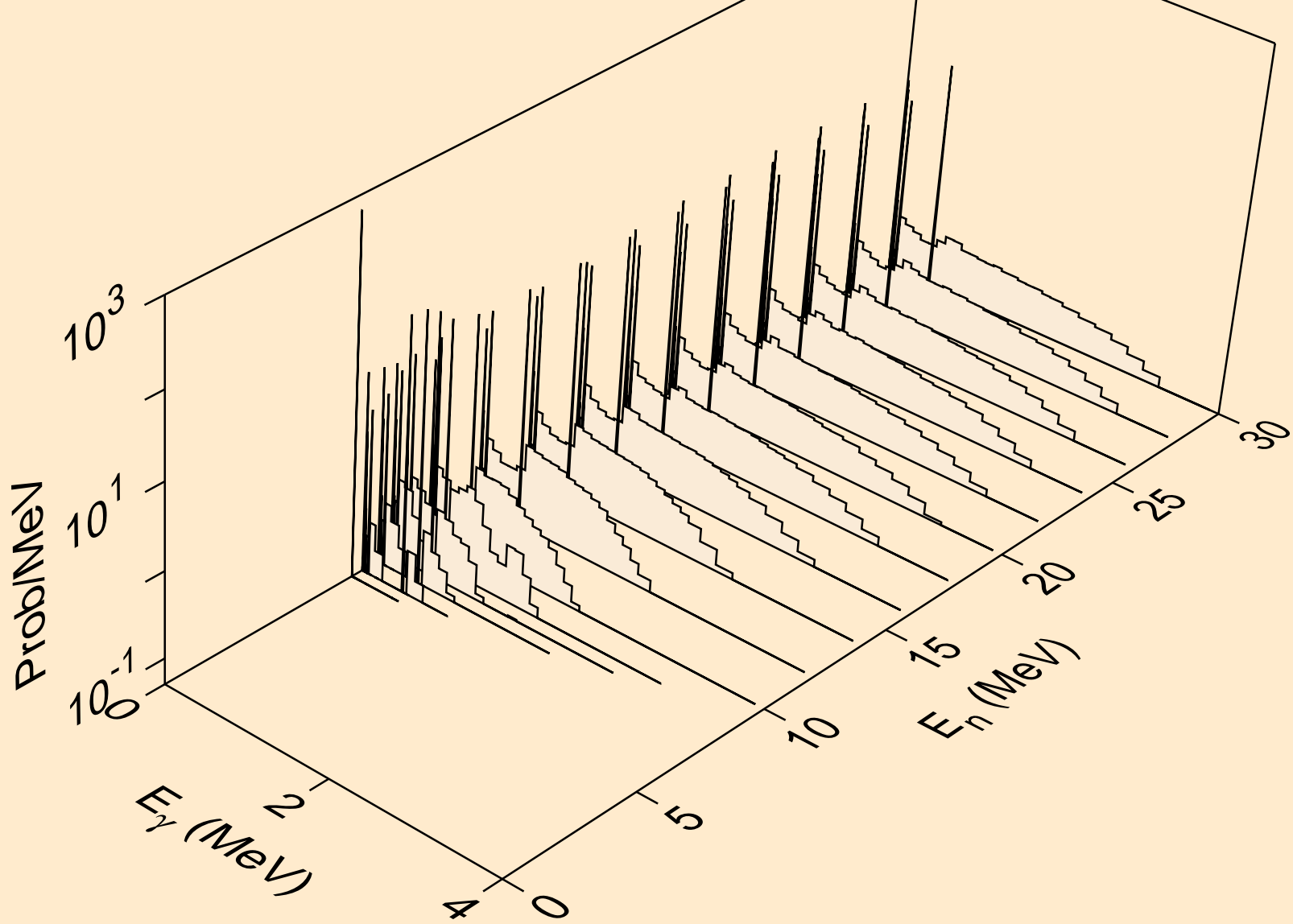




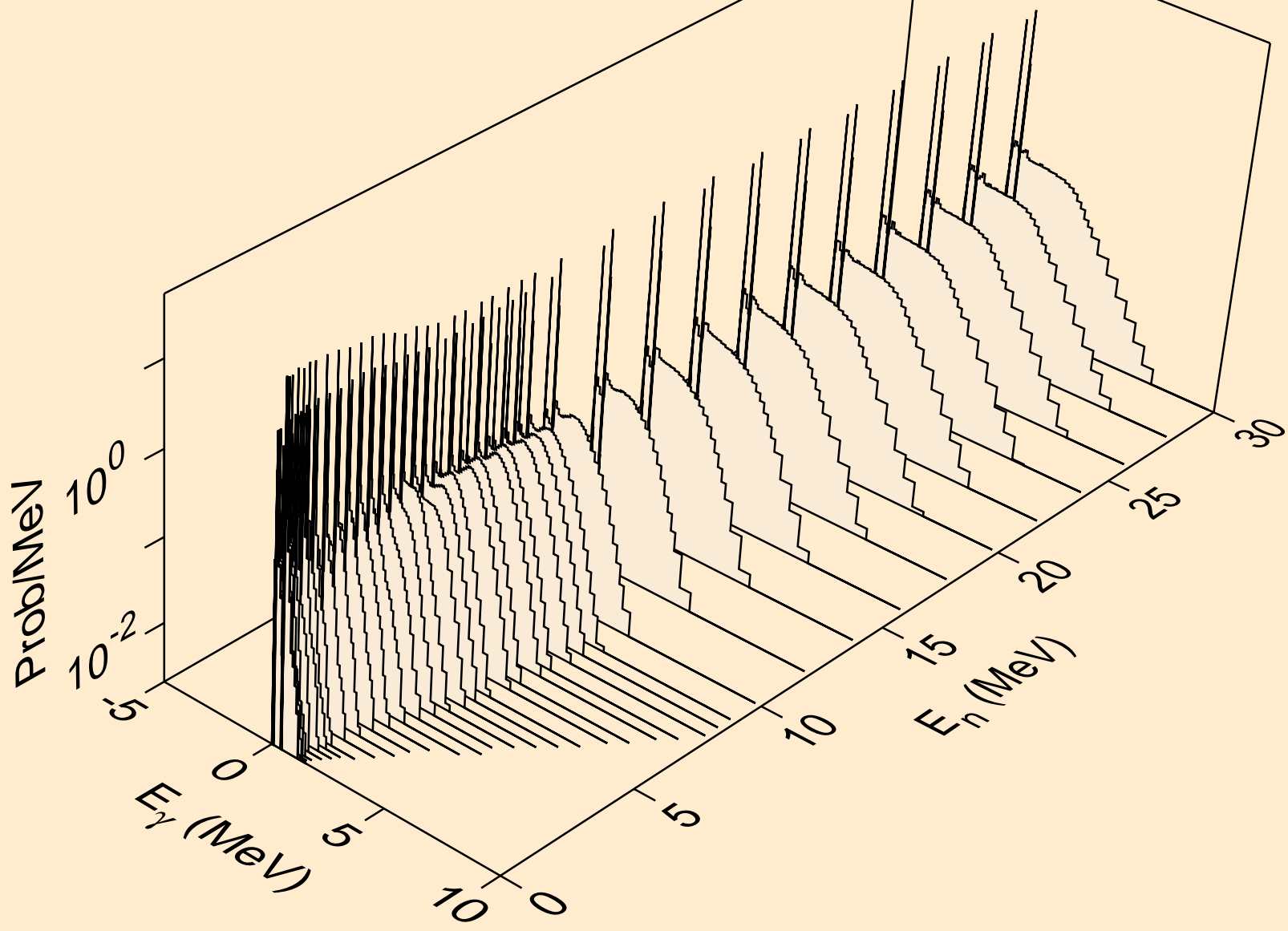
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



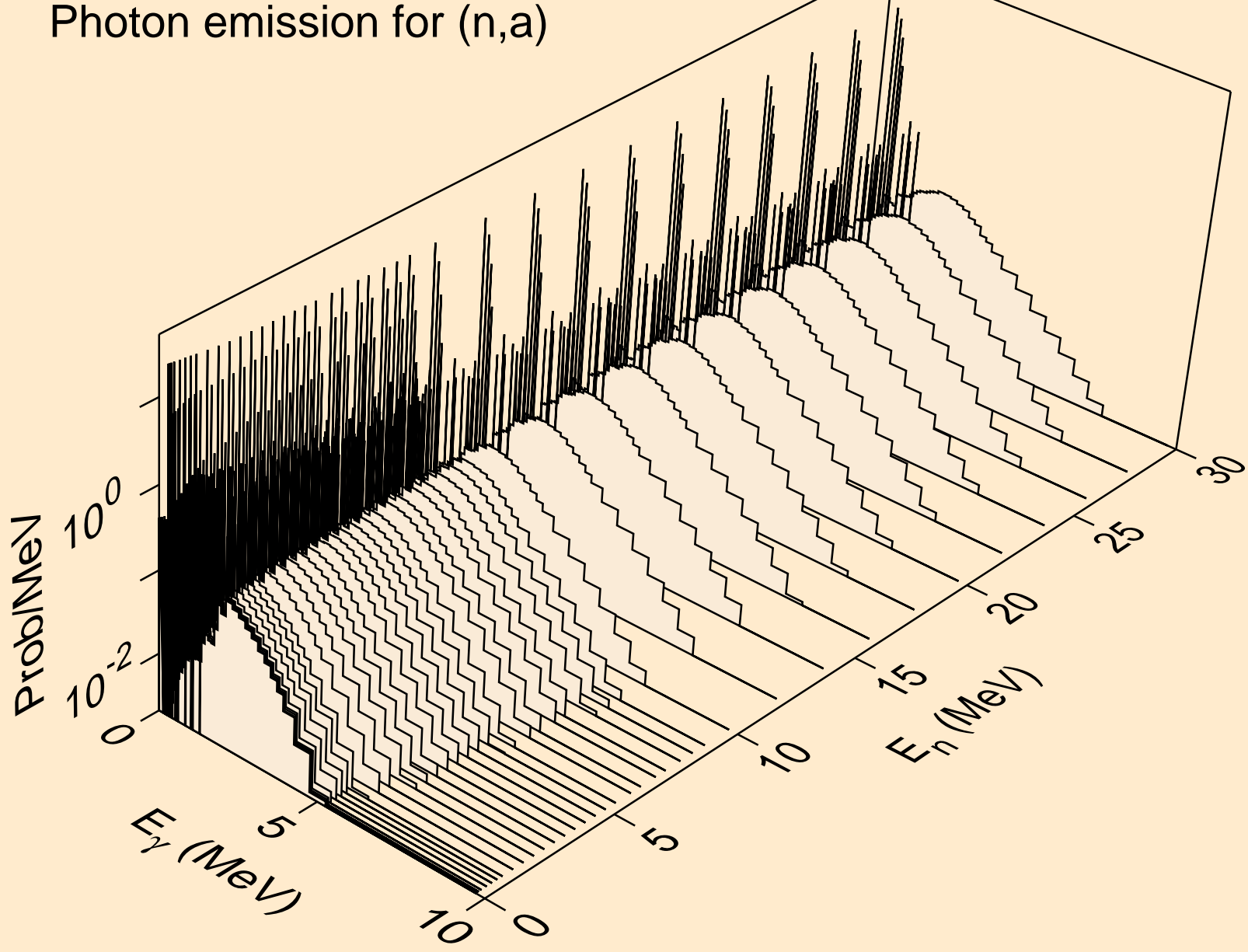
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



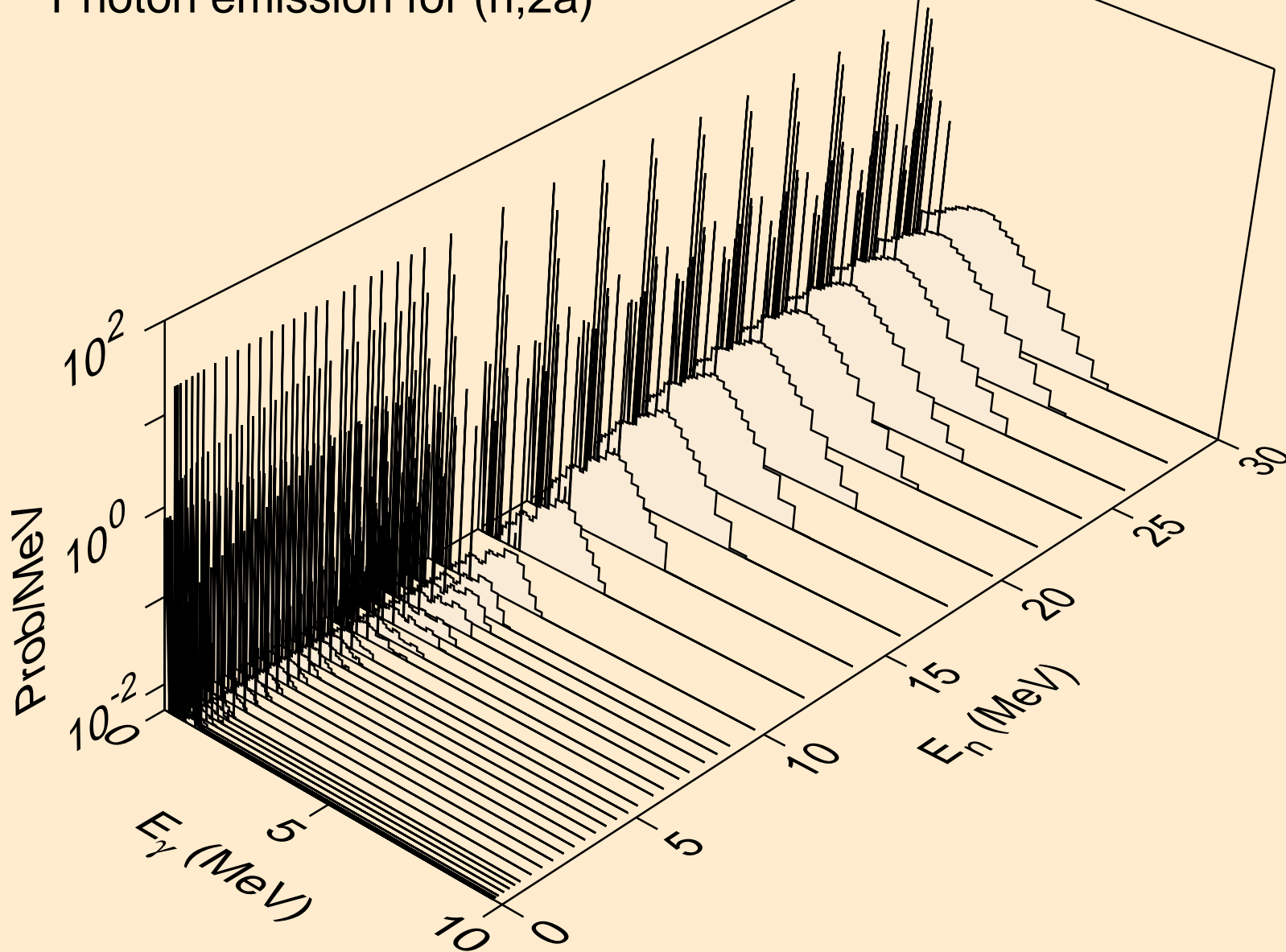
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



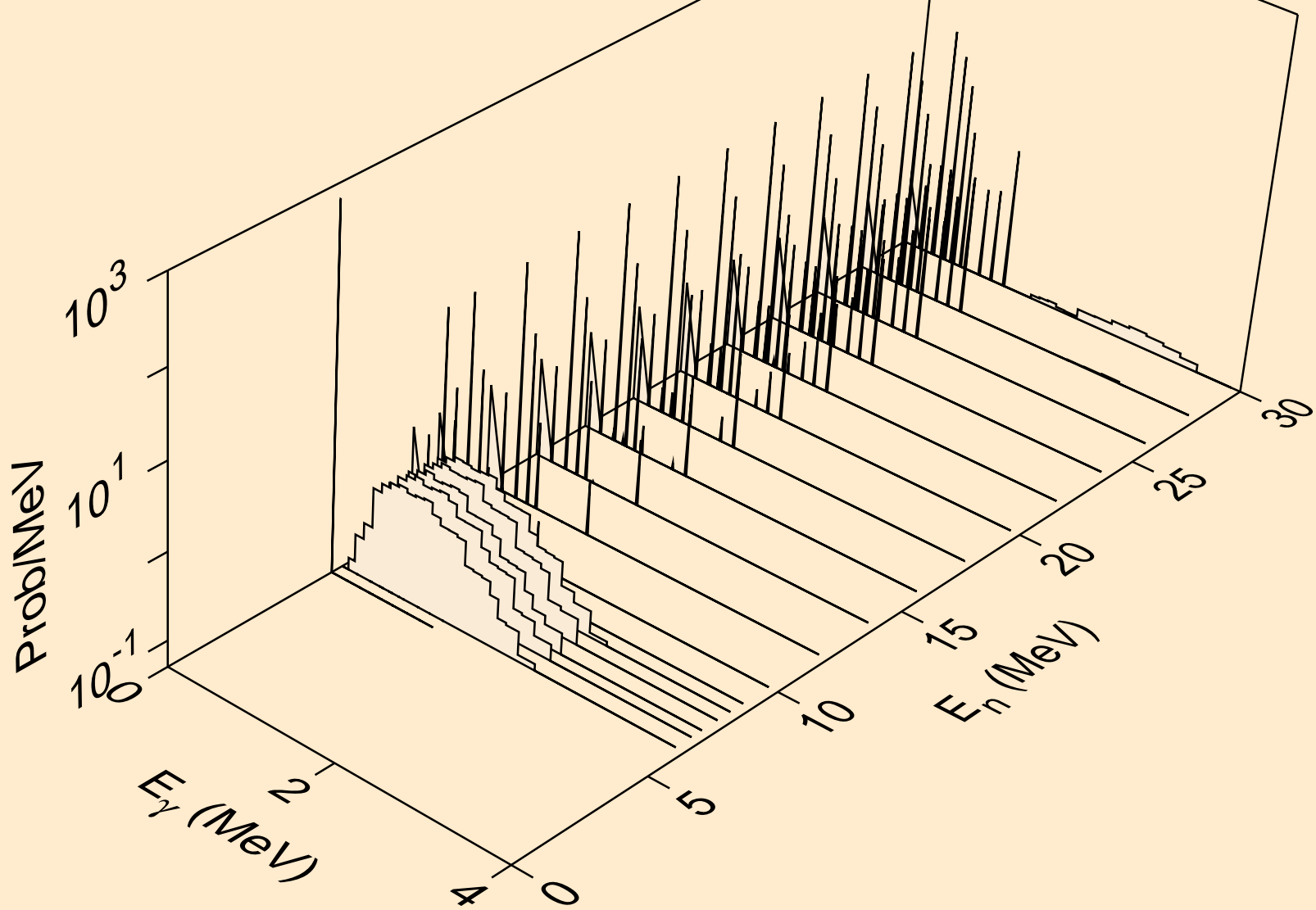
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



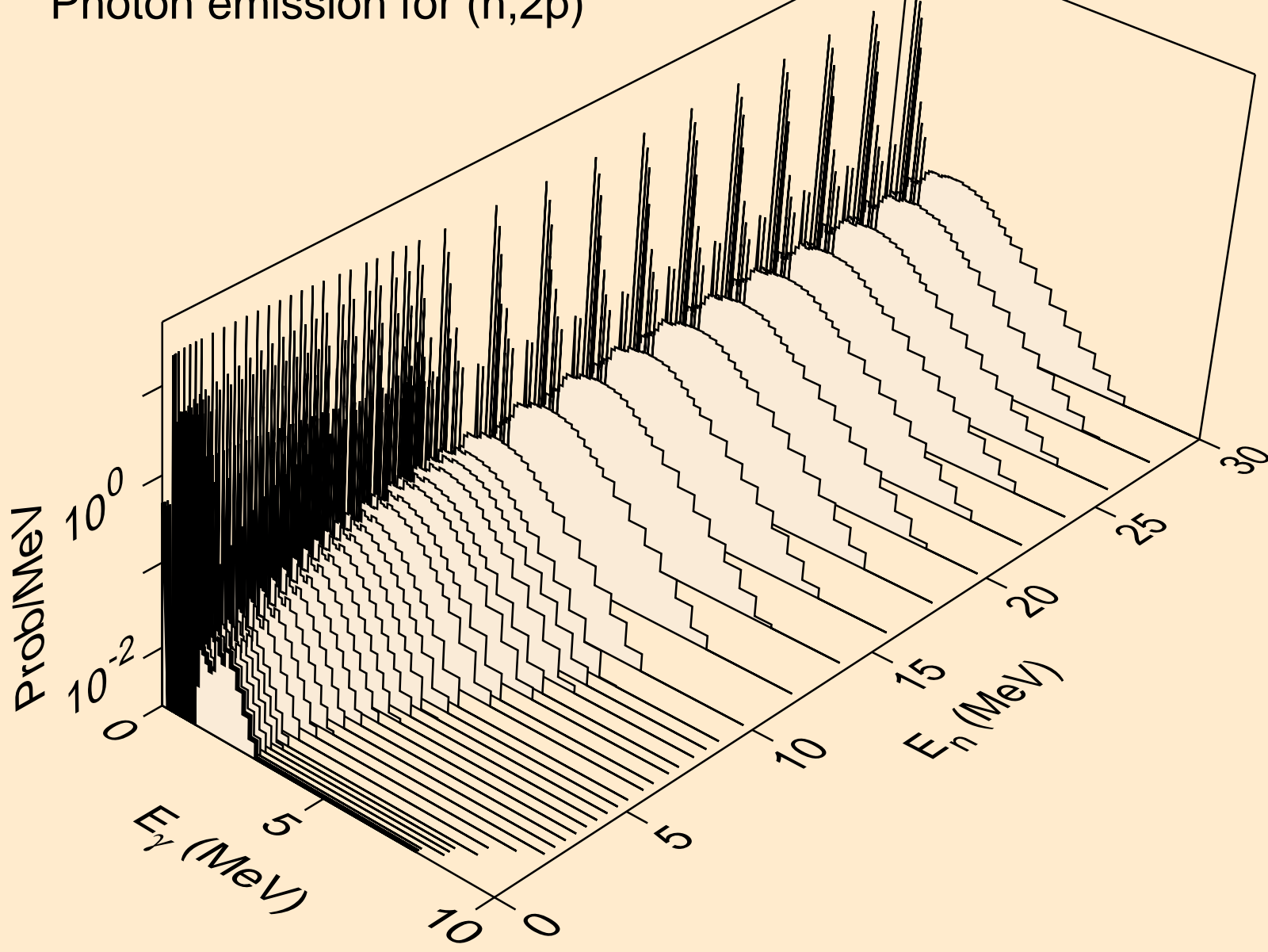
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



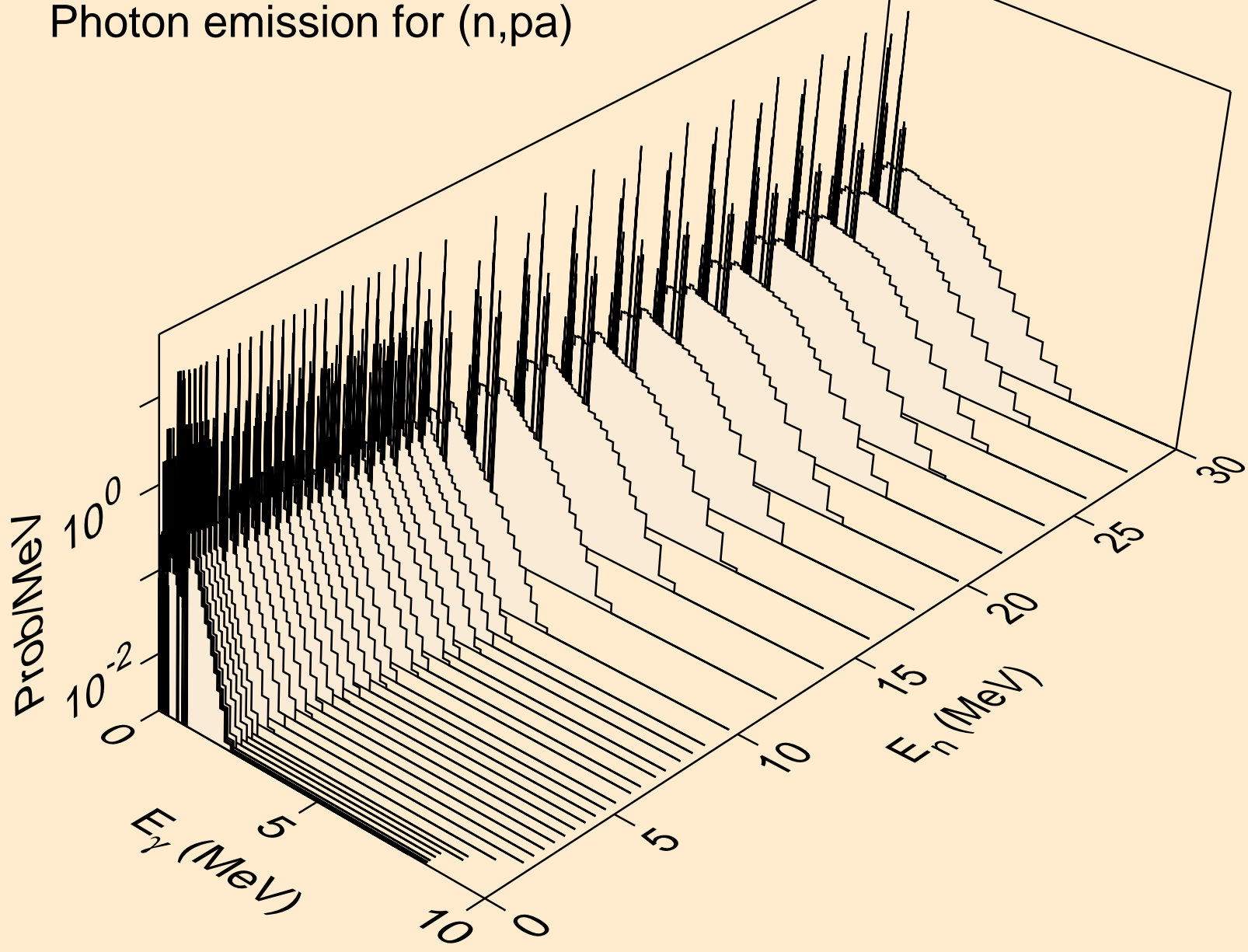
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3a)



SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)

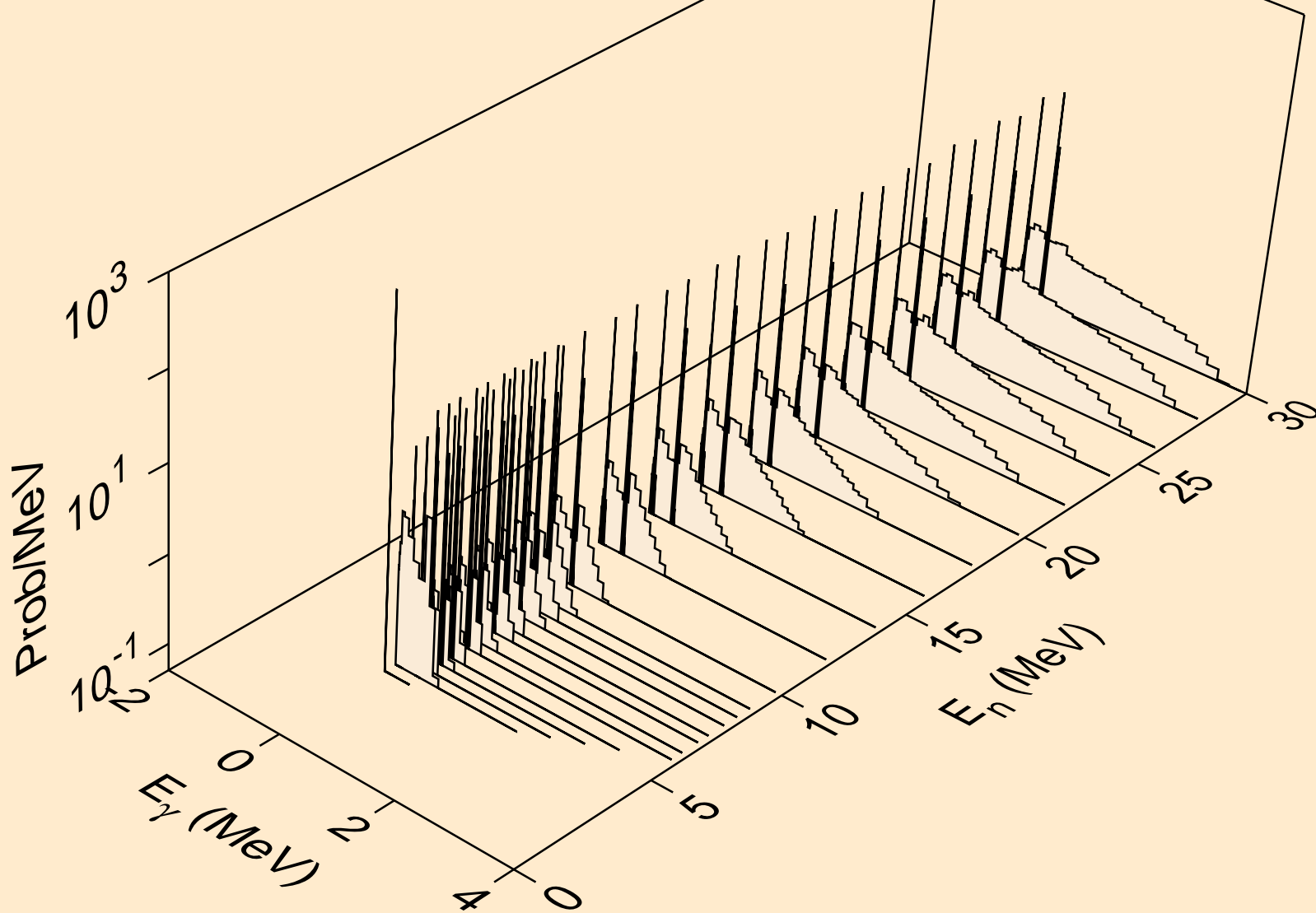


SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)

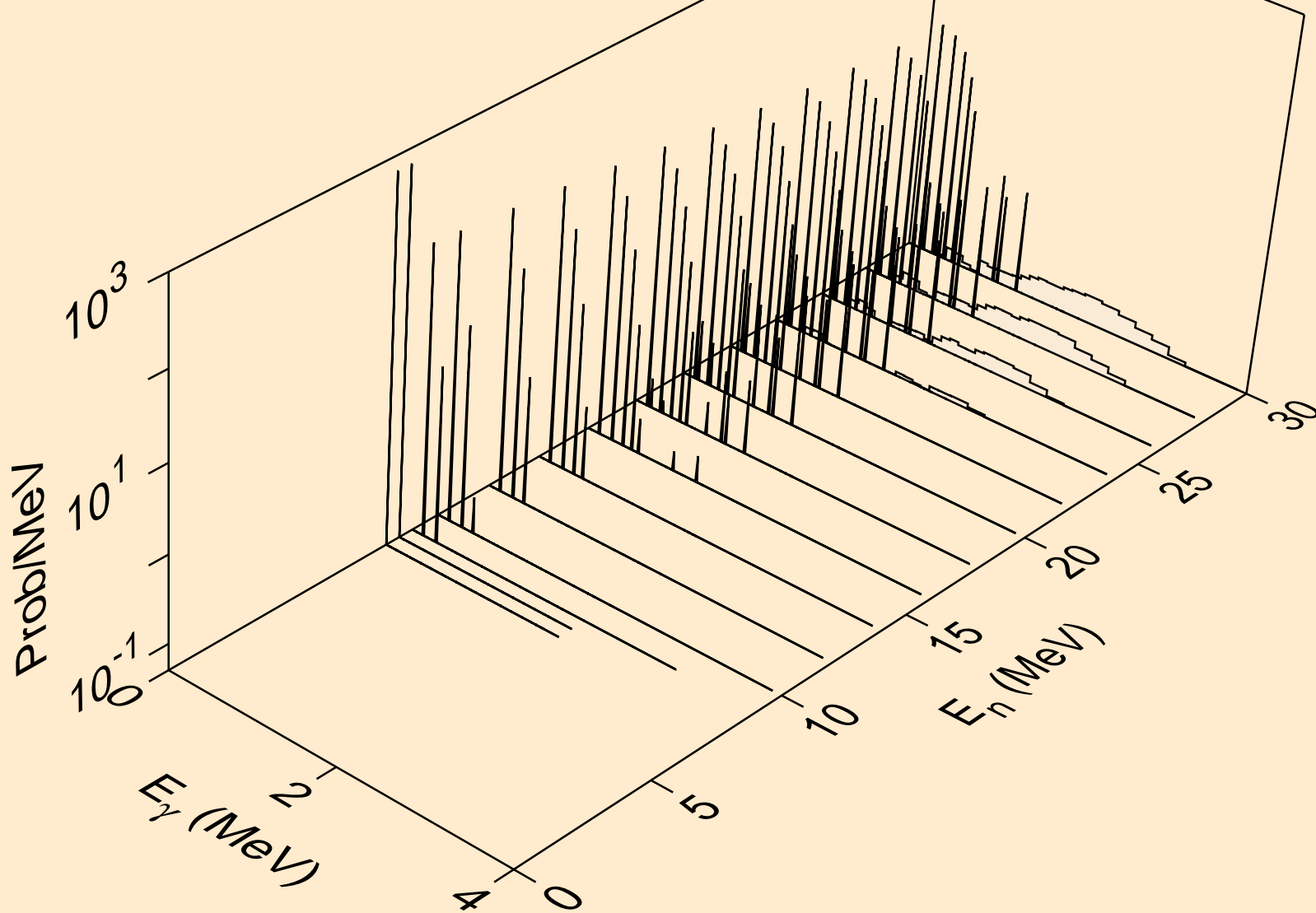




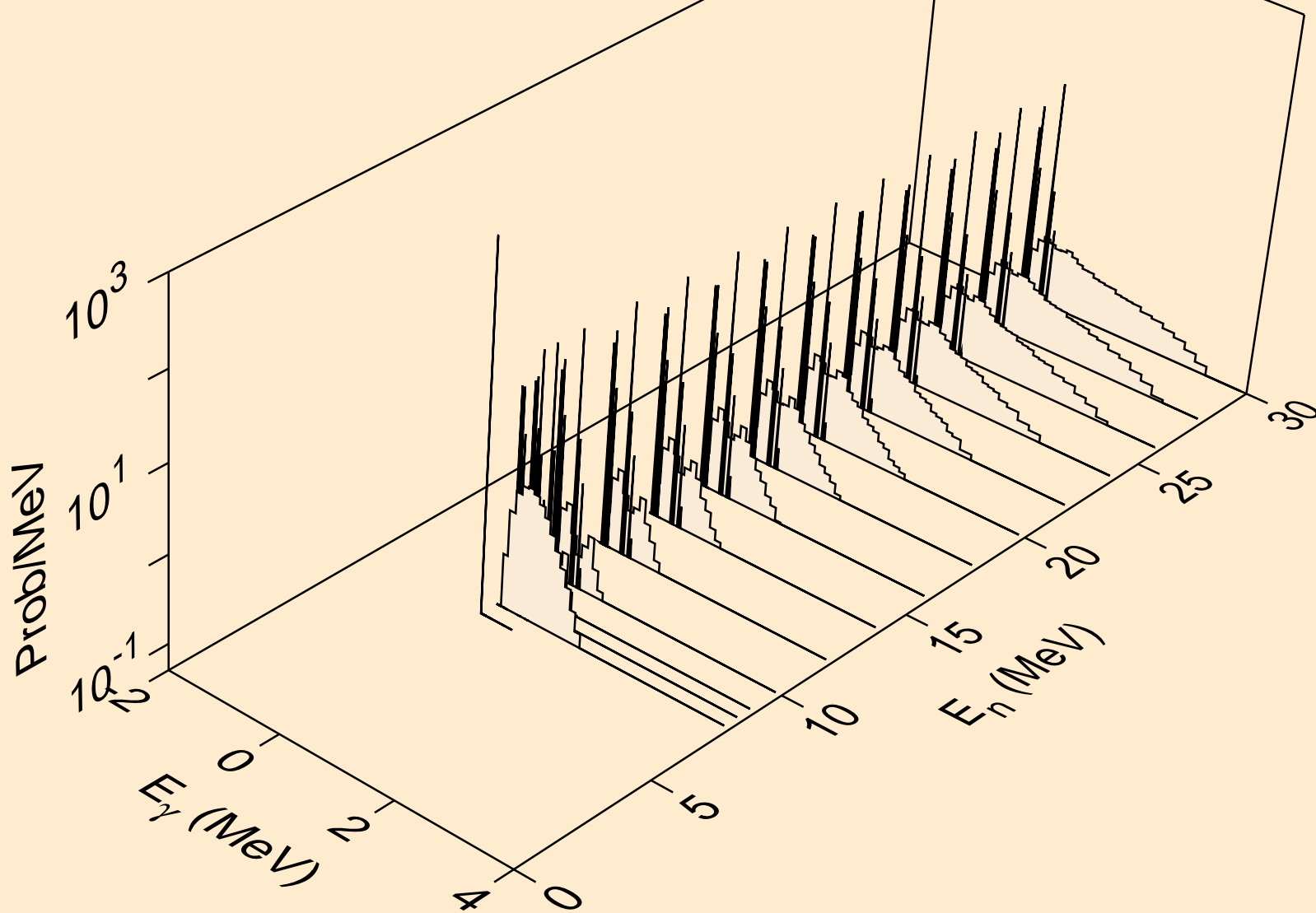
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



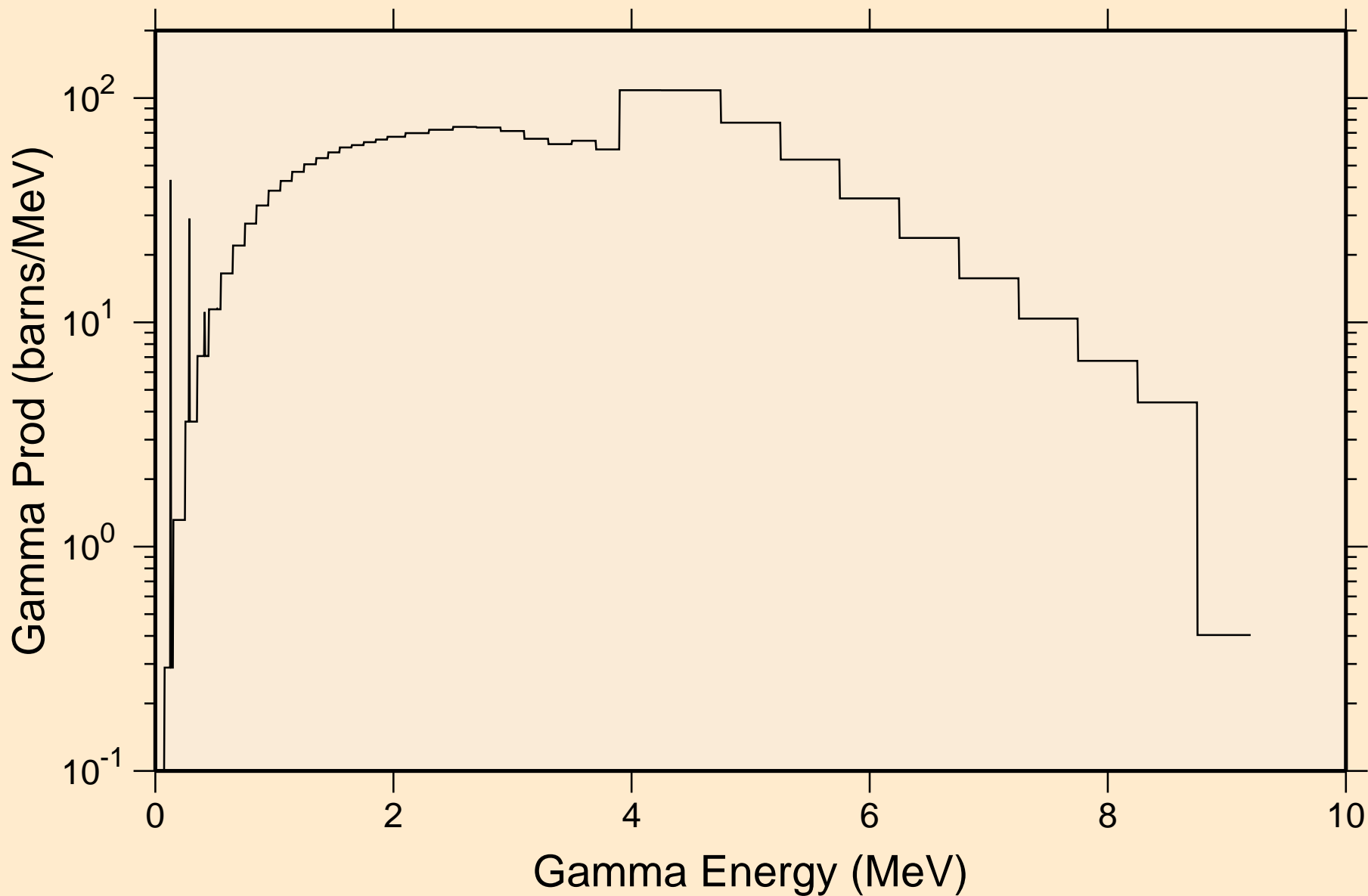
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



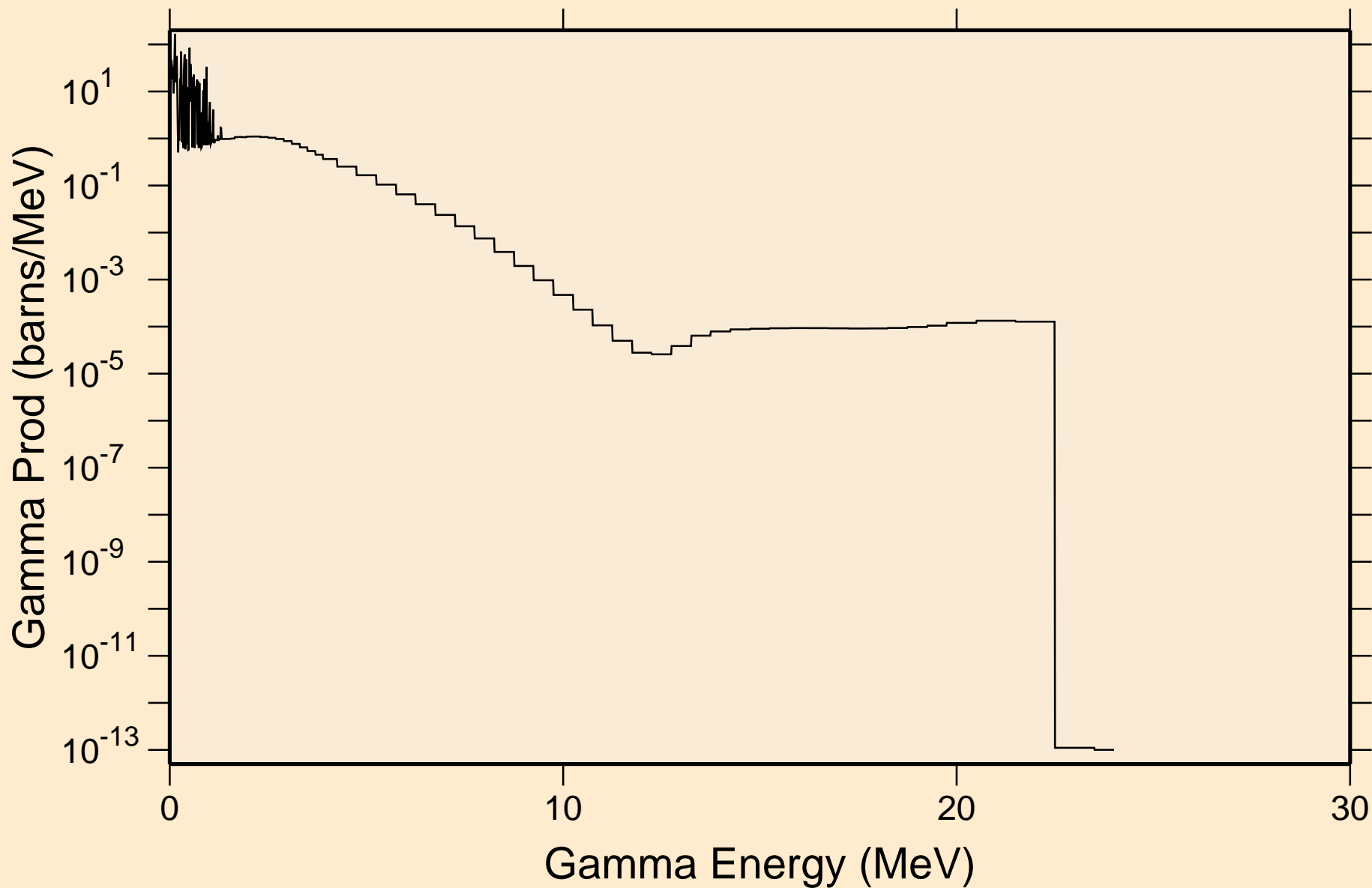
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

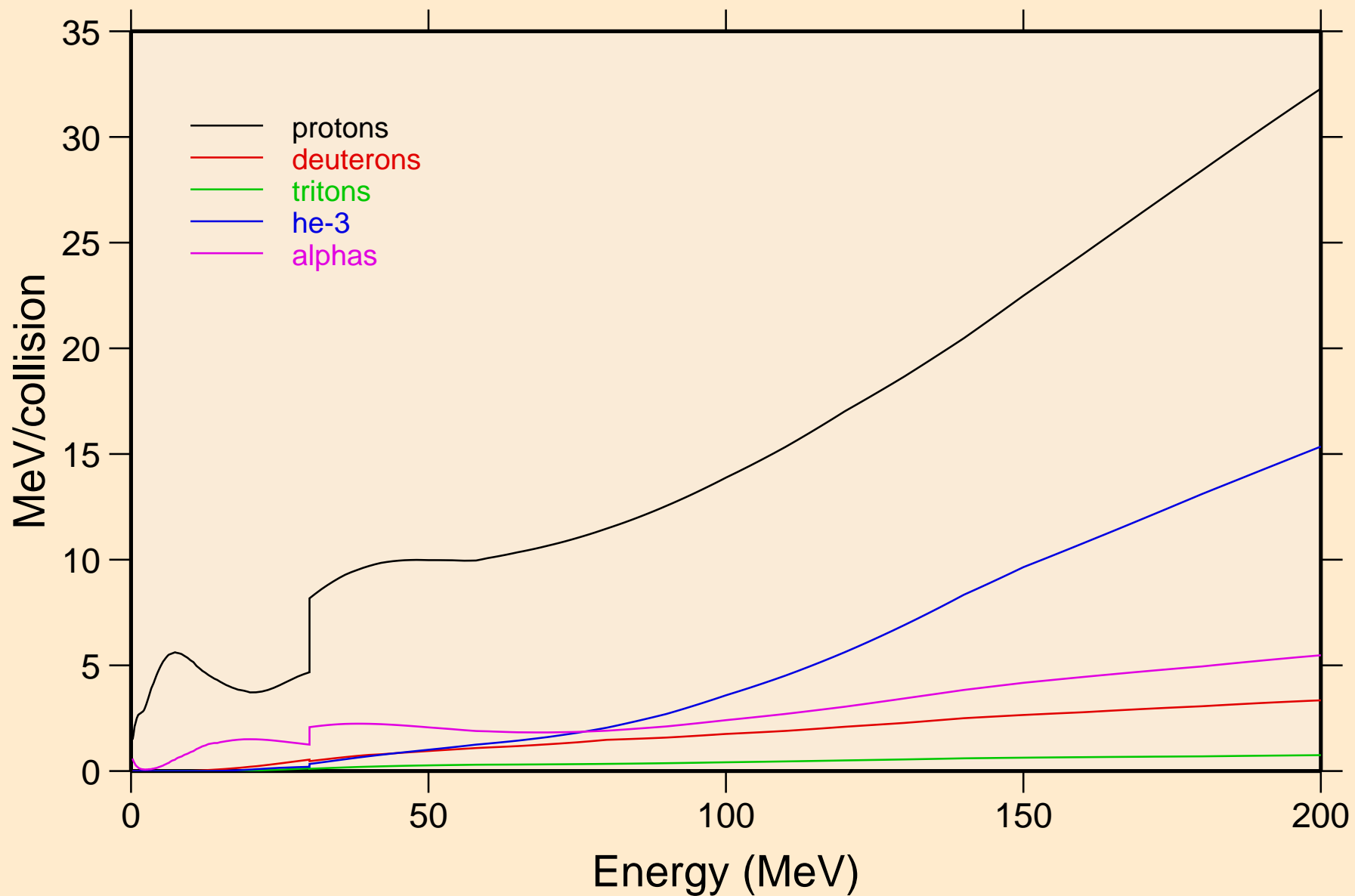


SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

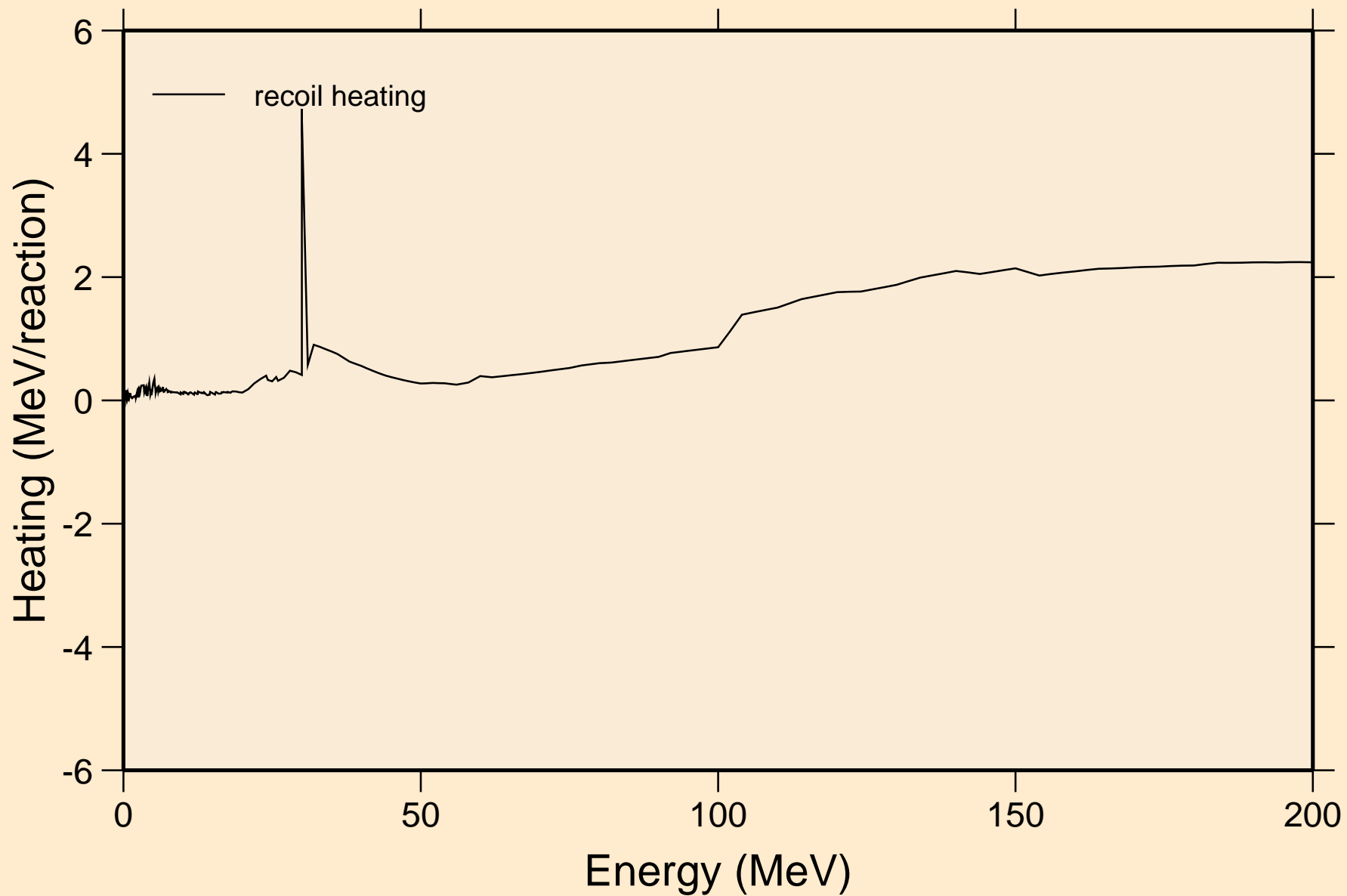


# SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

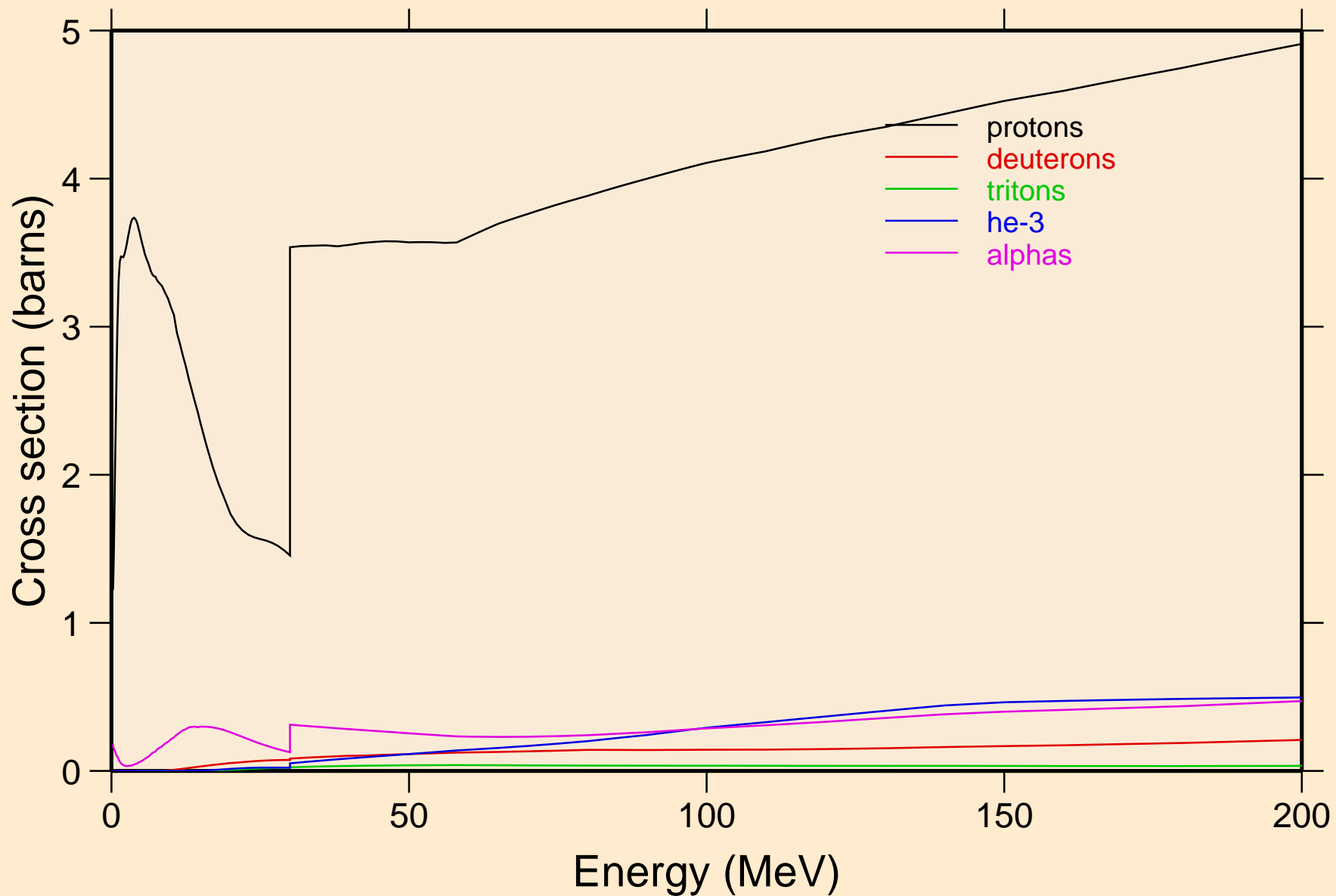


SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



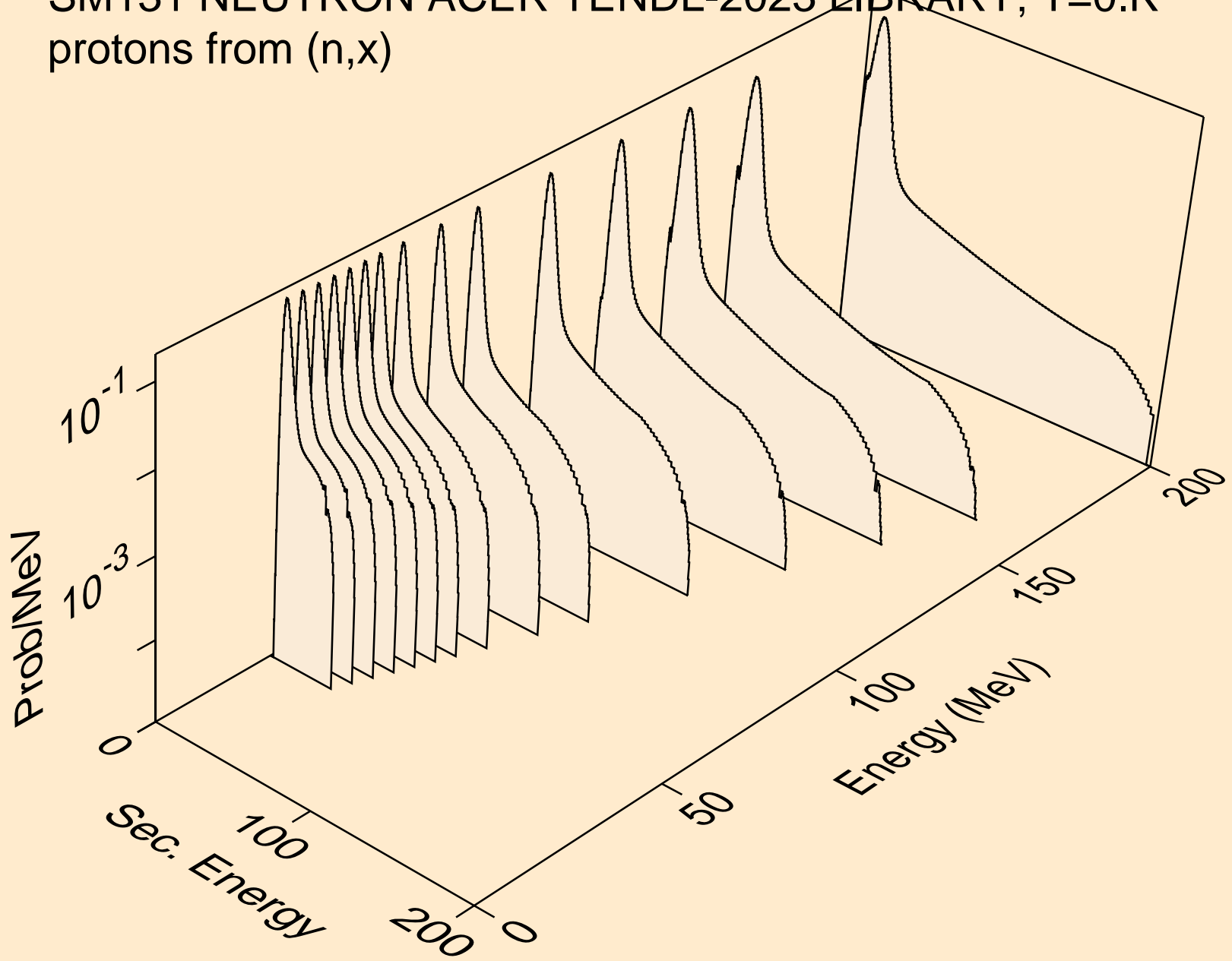
# SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle production cross sections

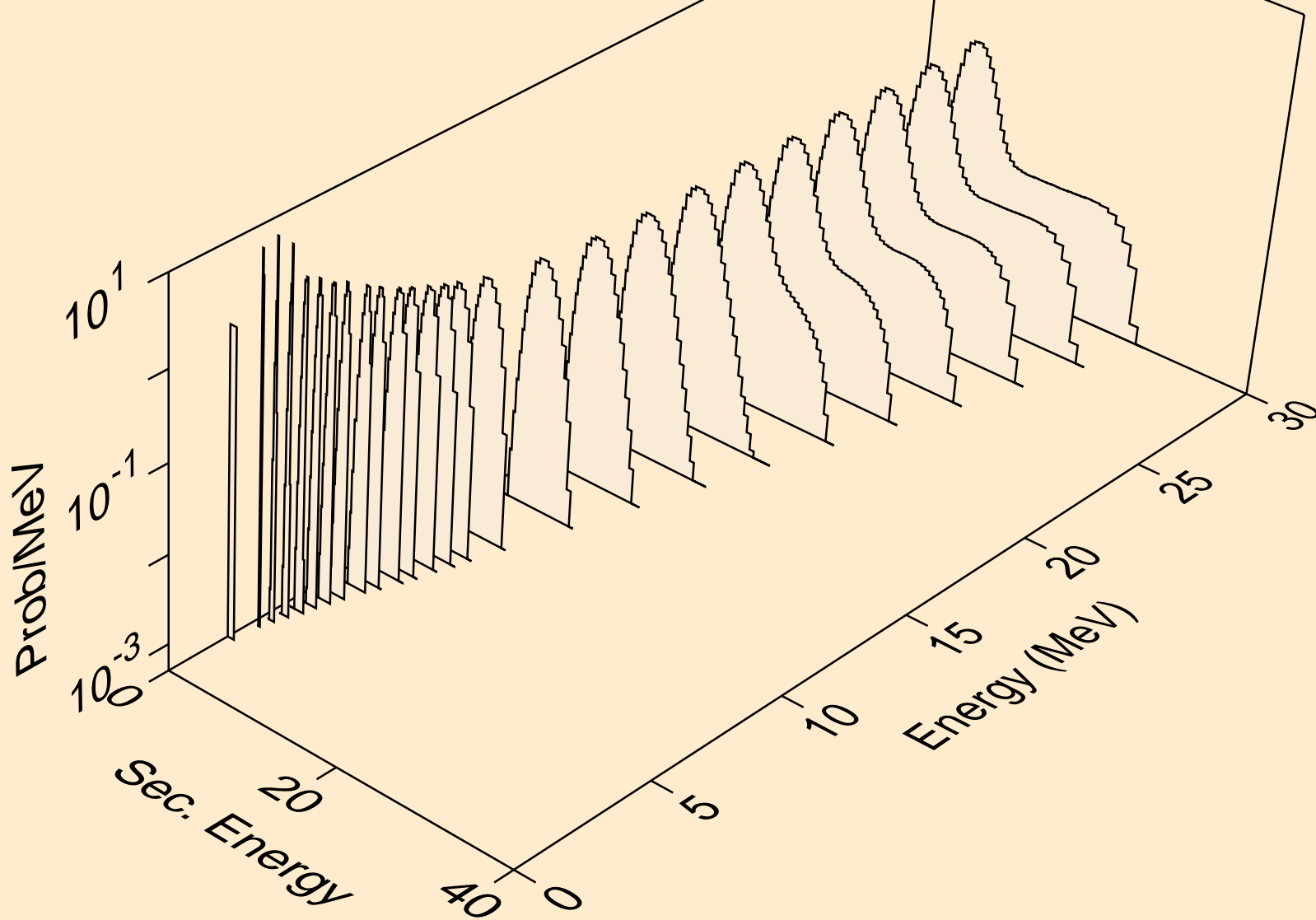




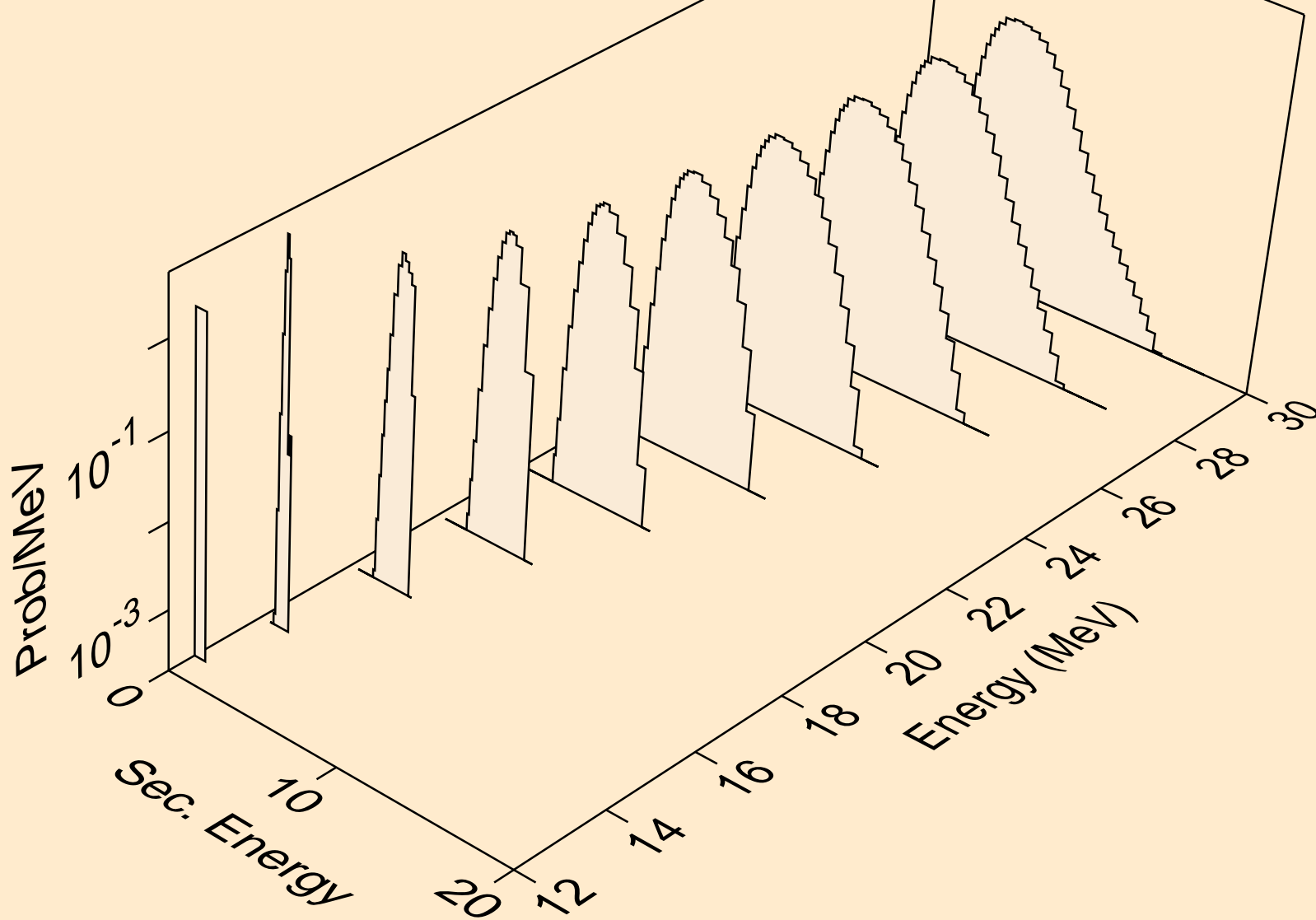
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



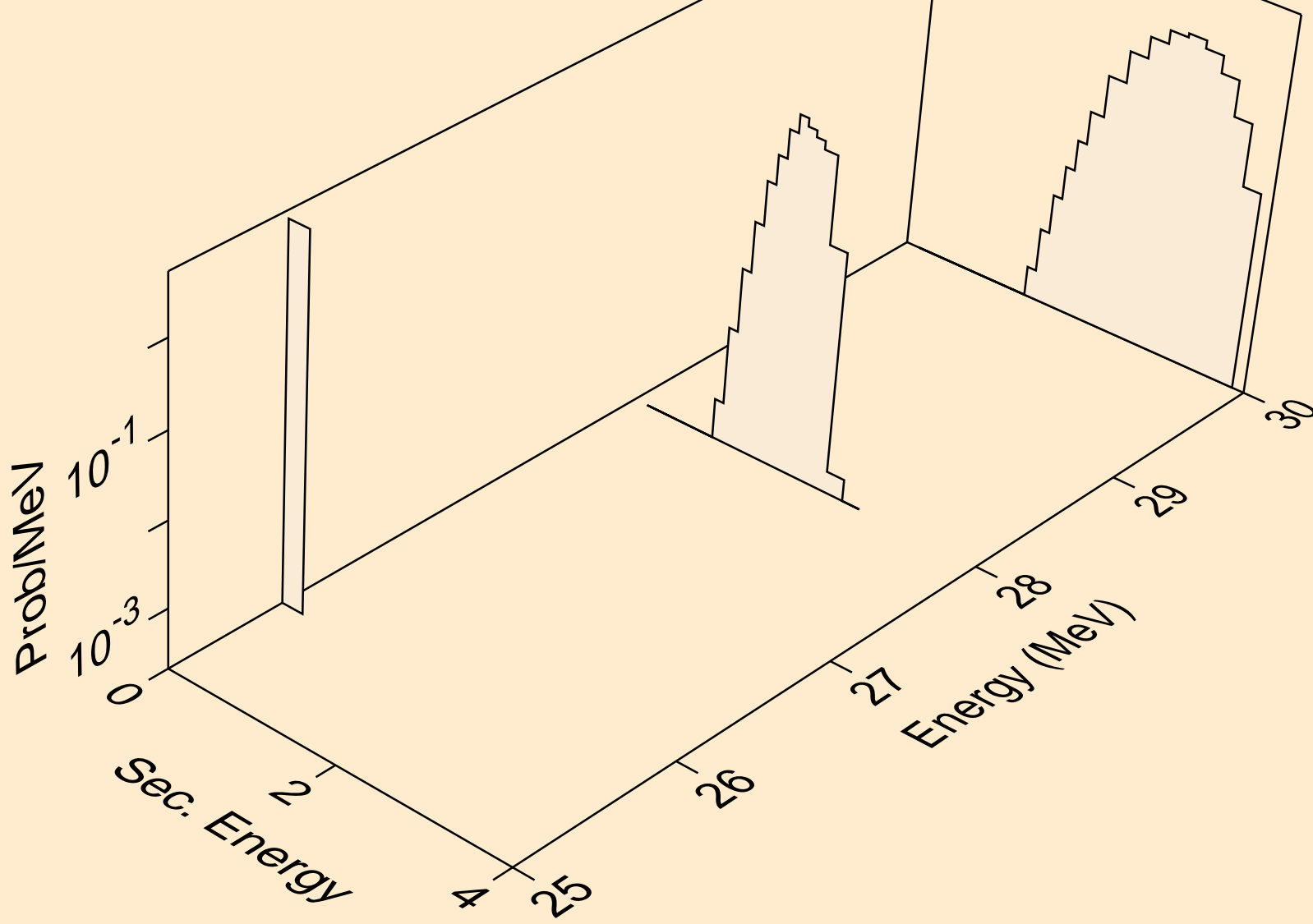
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



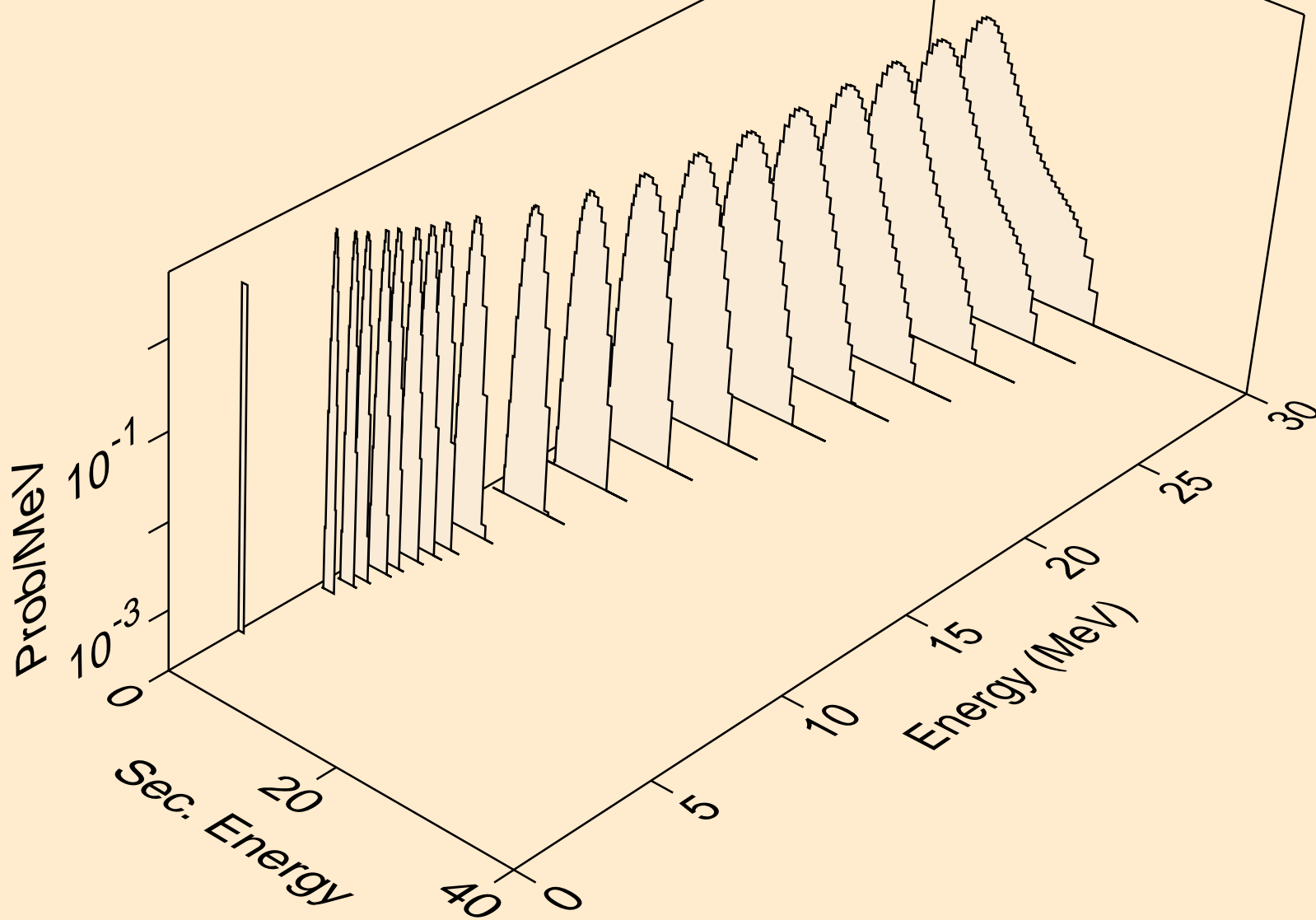
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



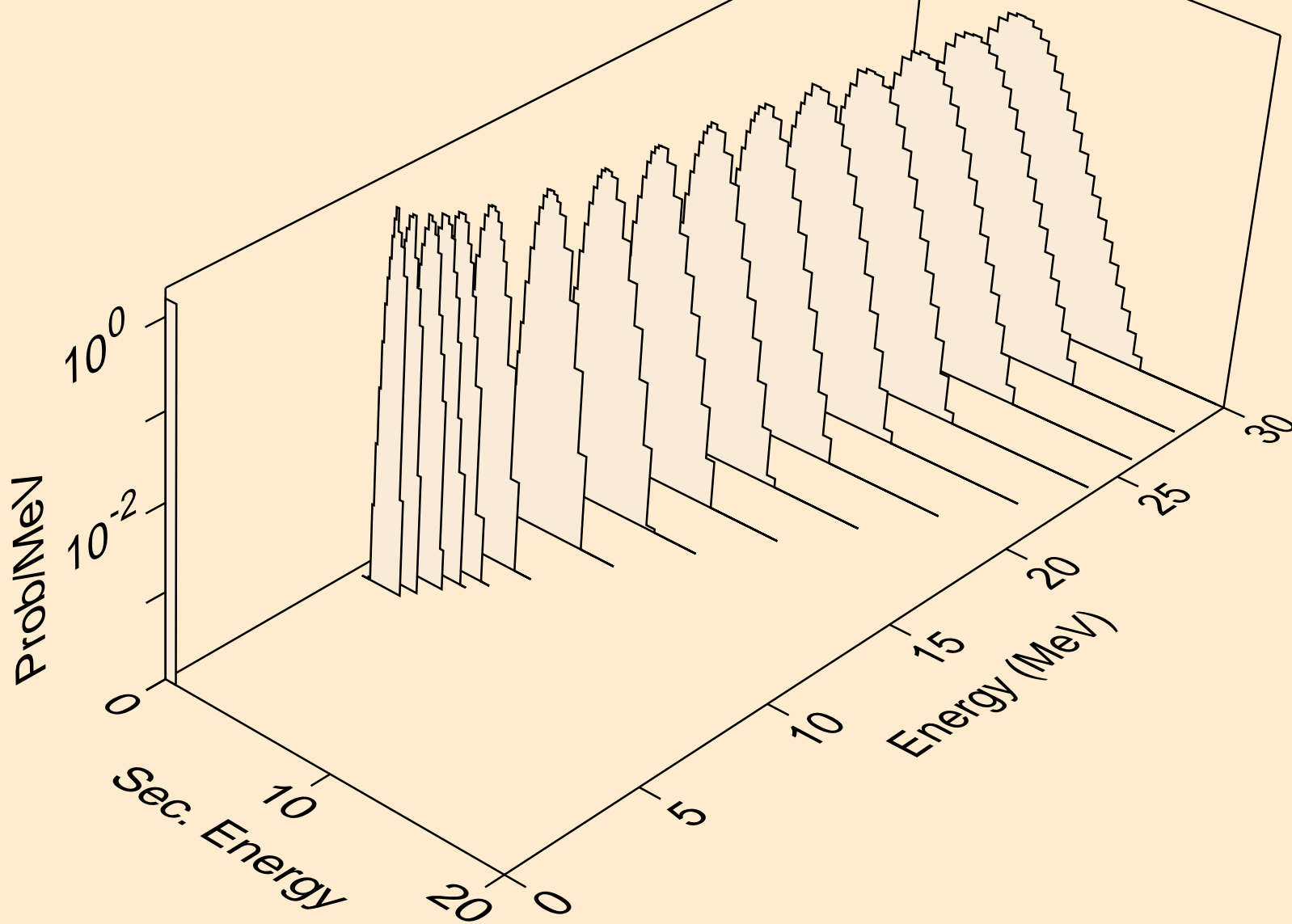
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)



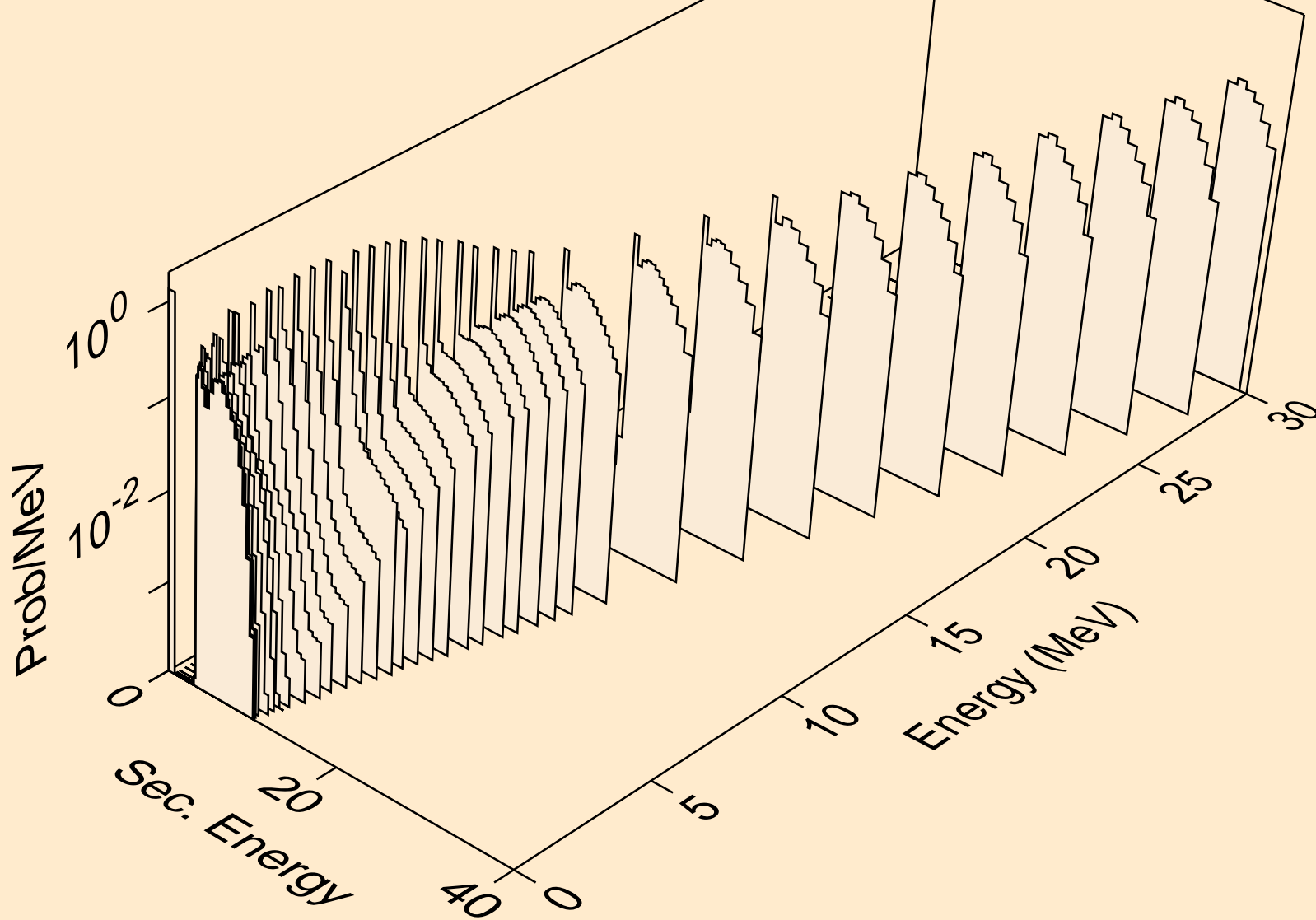
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n2p)



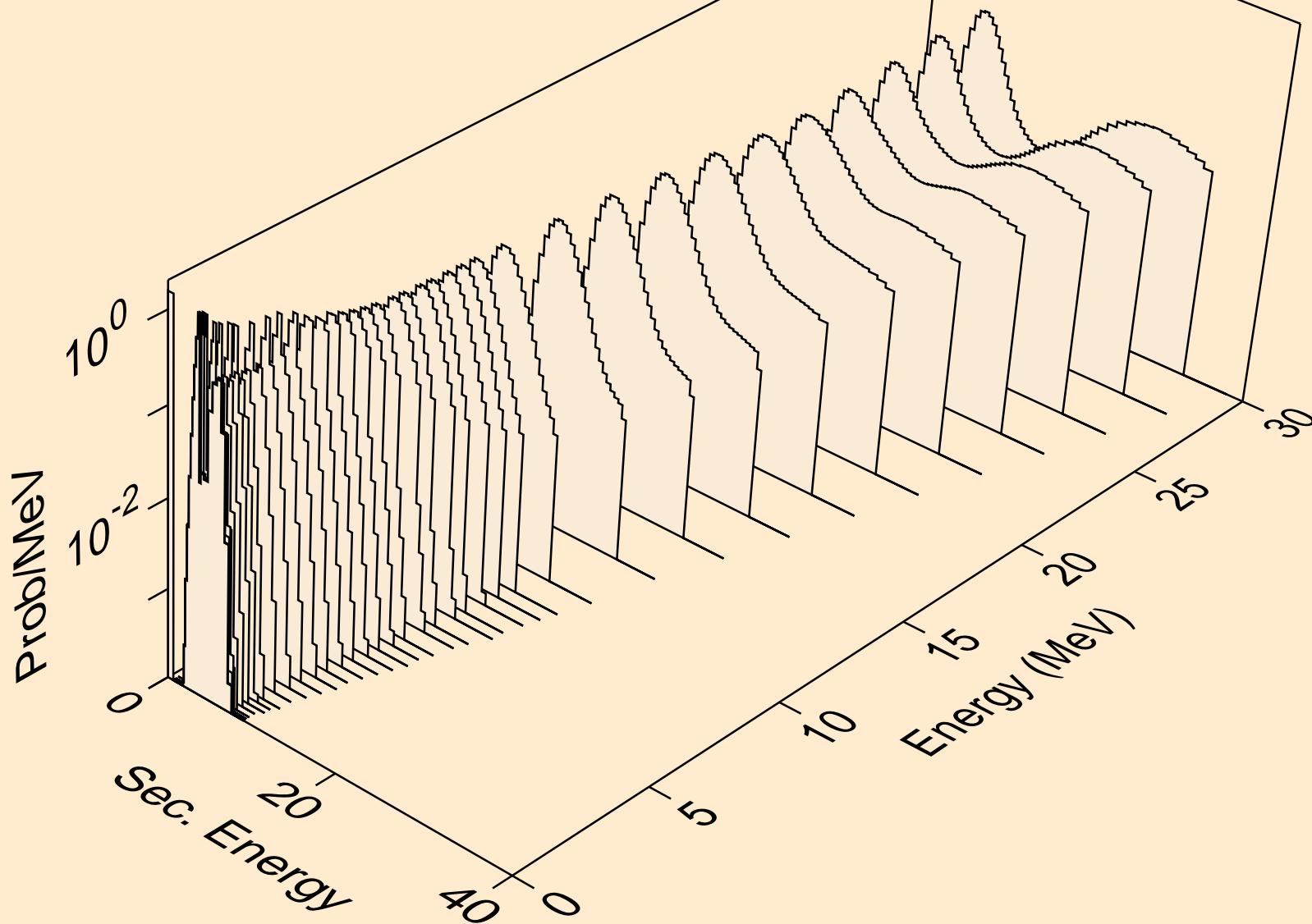
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,npa)



SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)

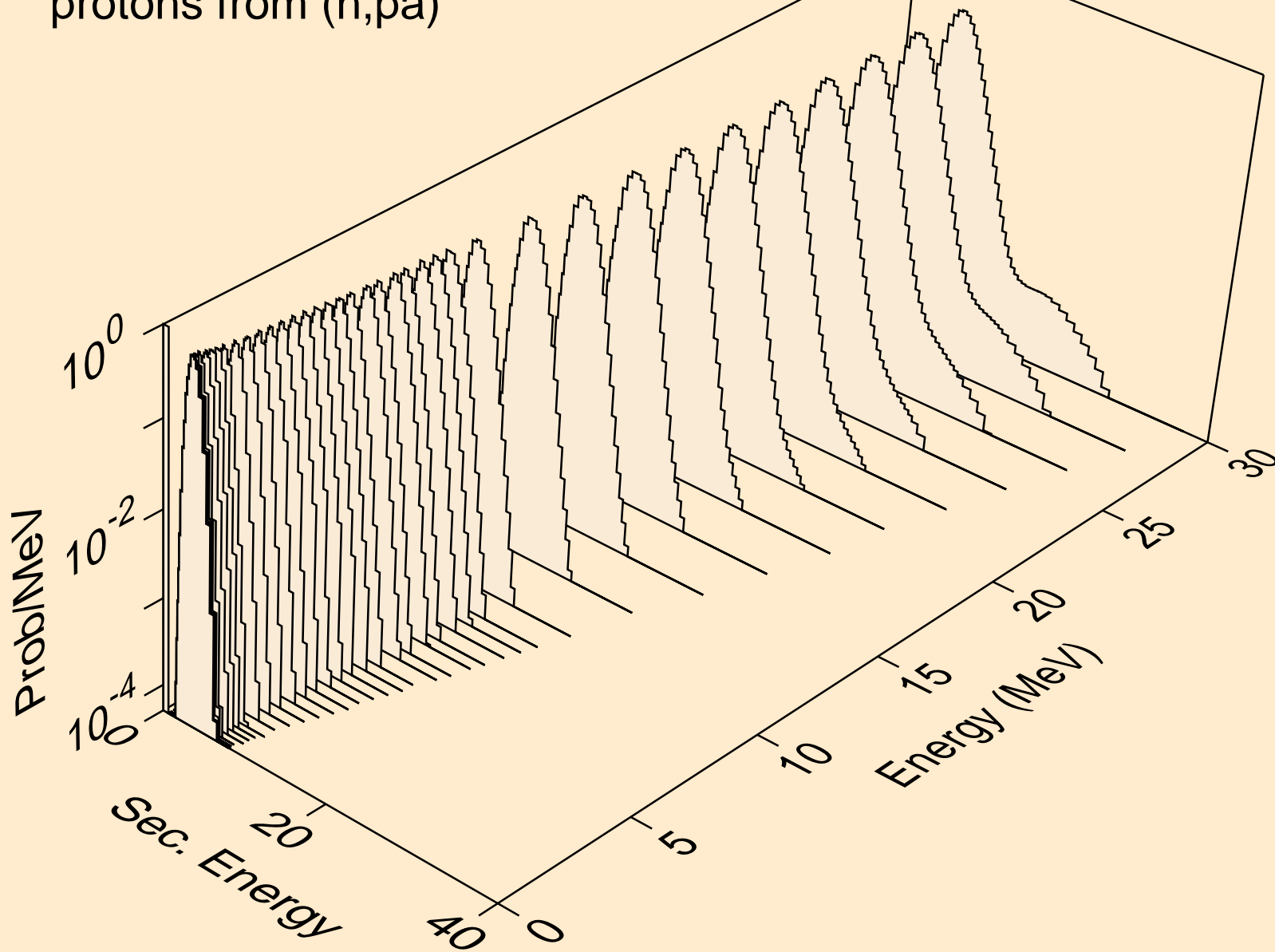


SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2p)

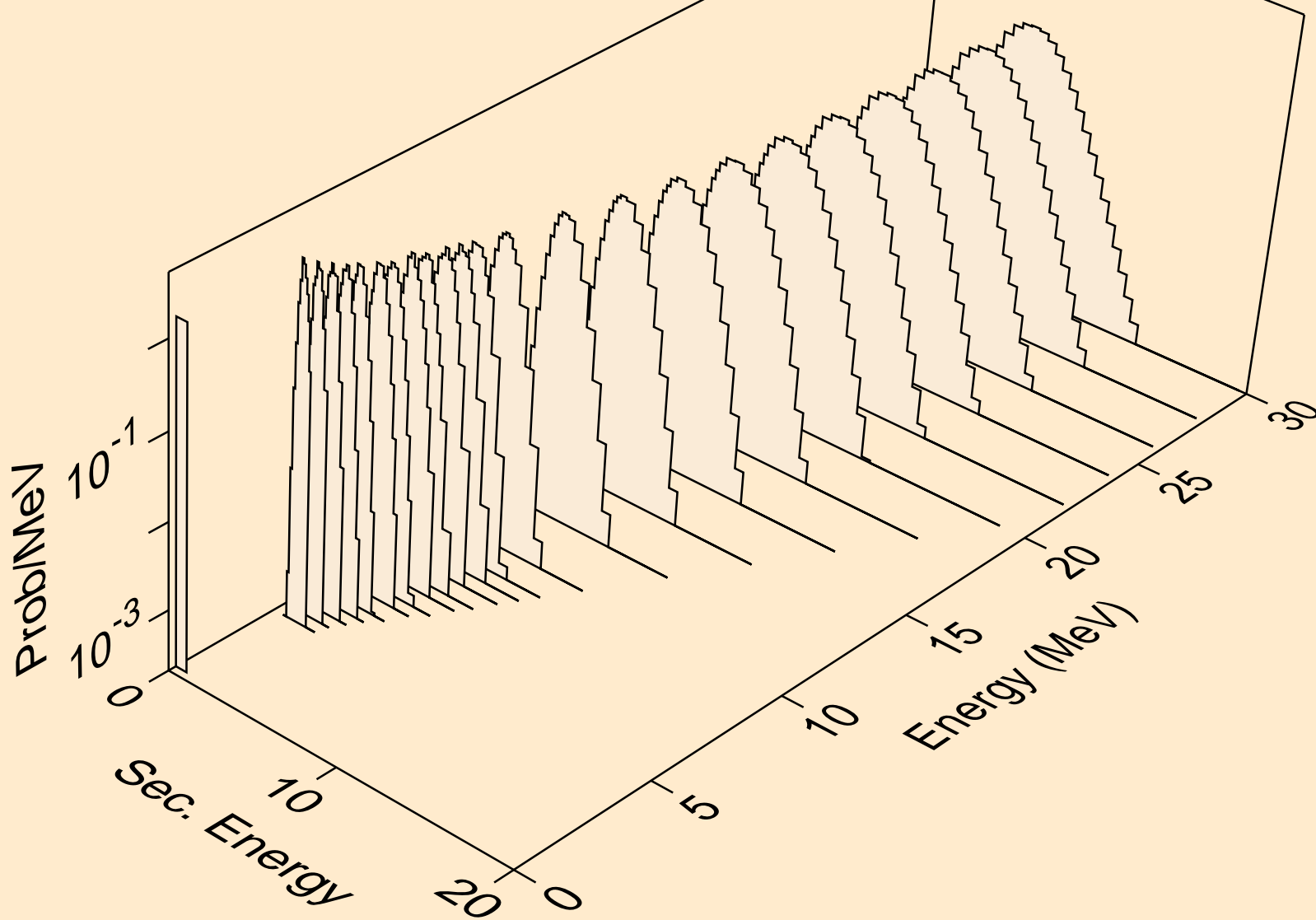




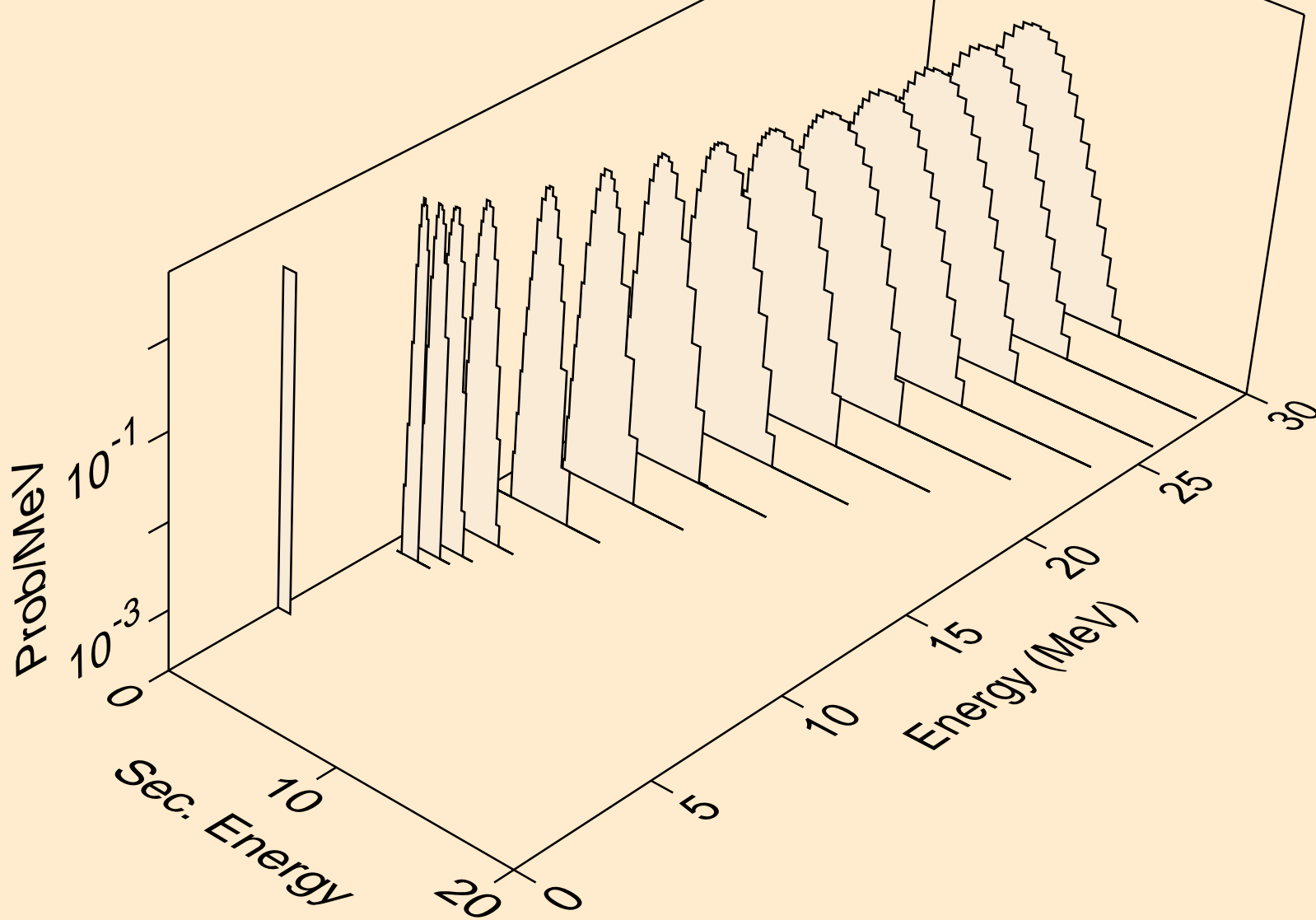
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



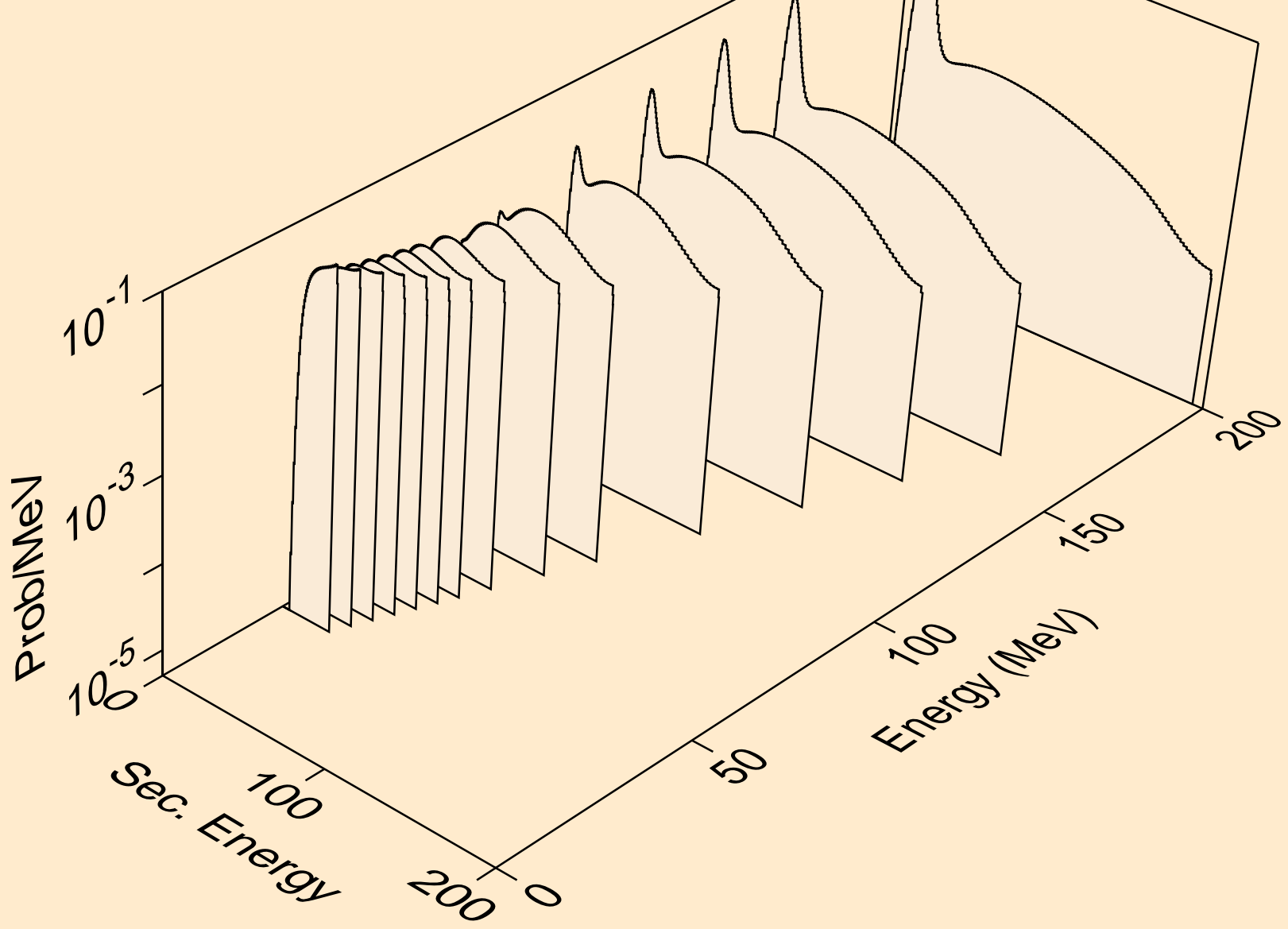
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pd)



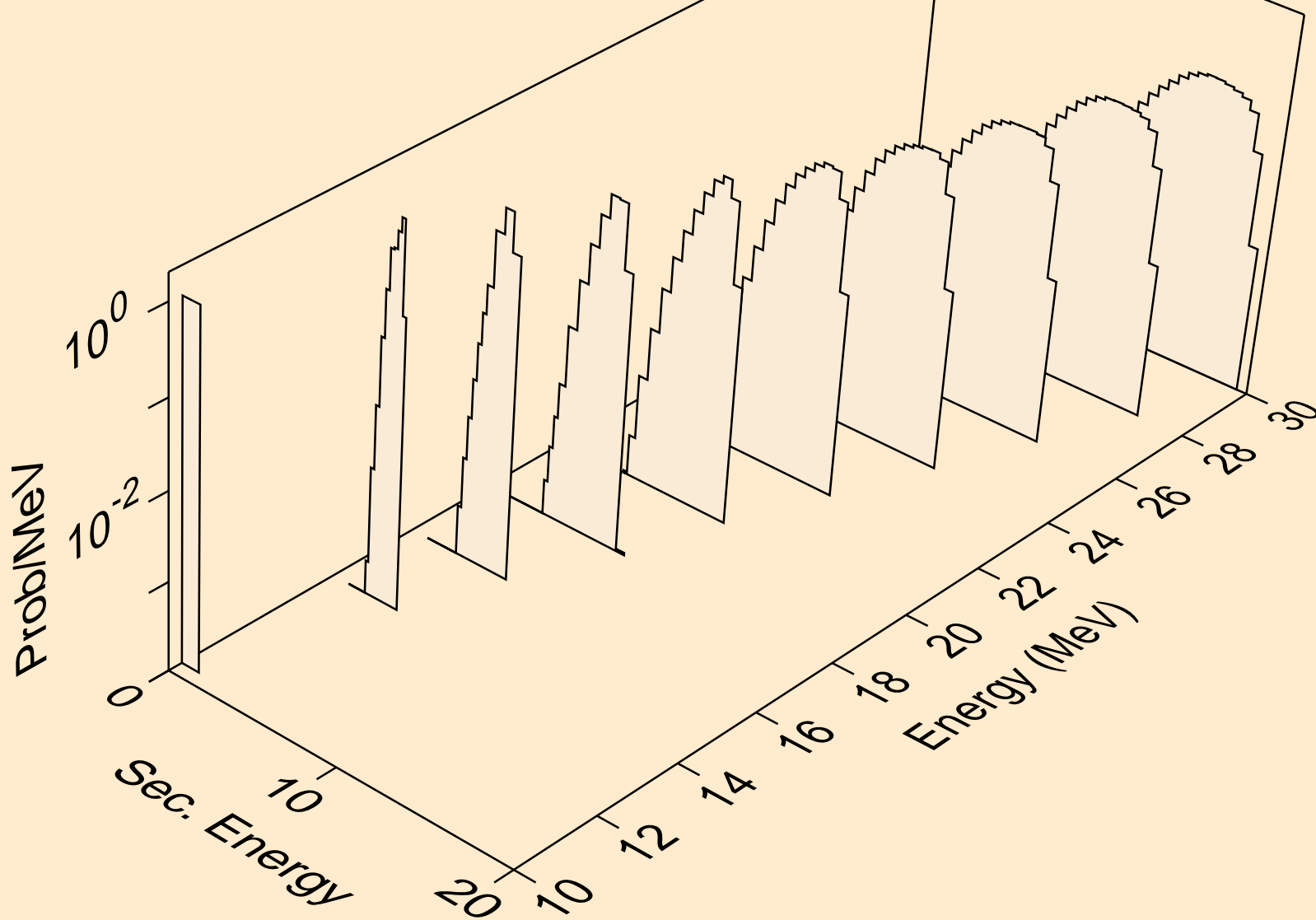
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pt)



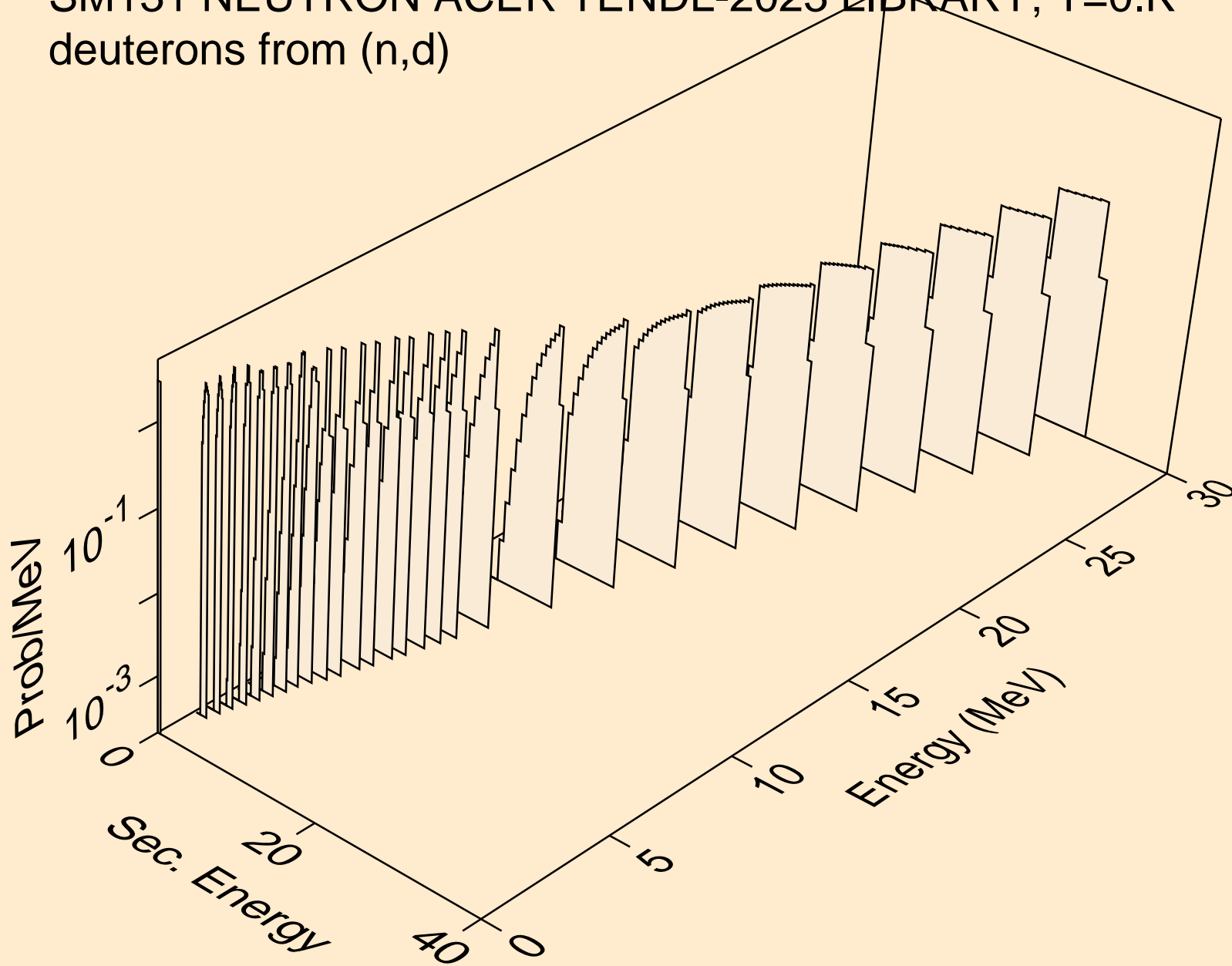
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)



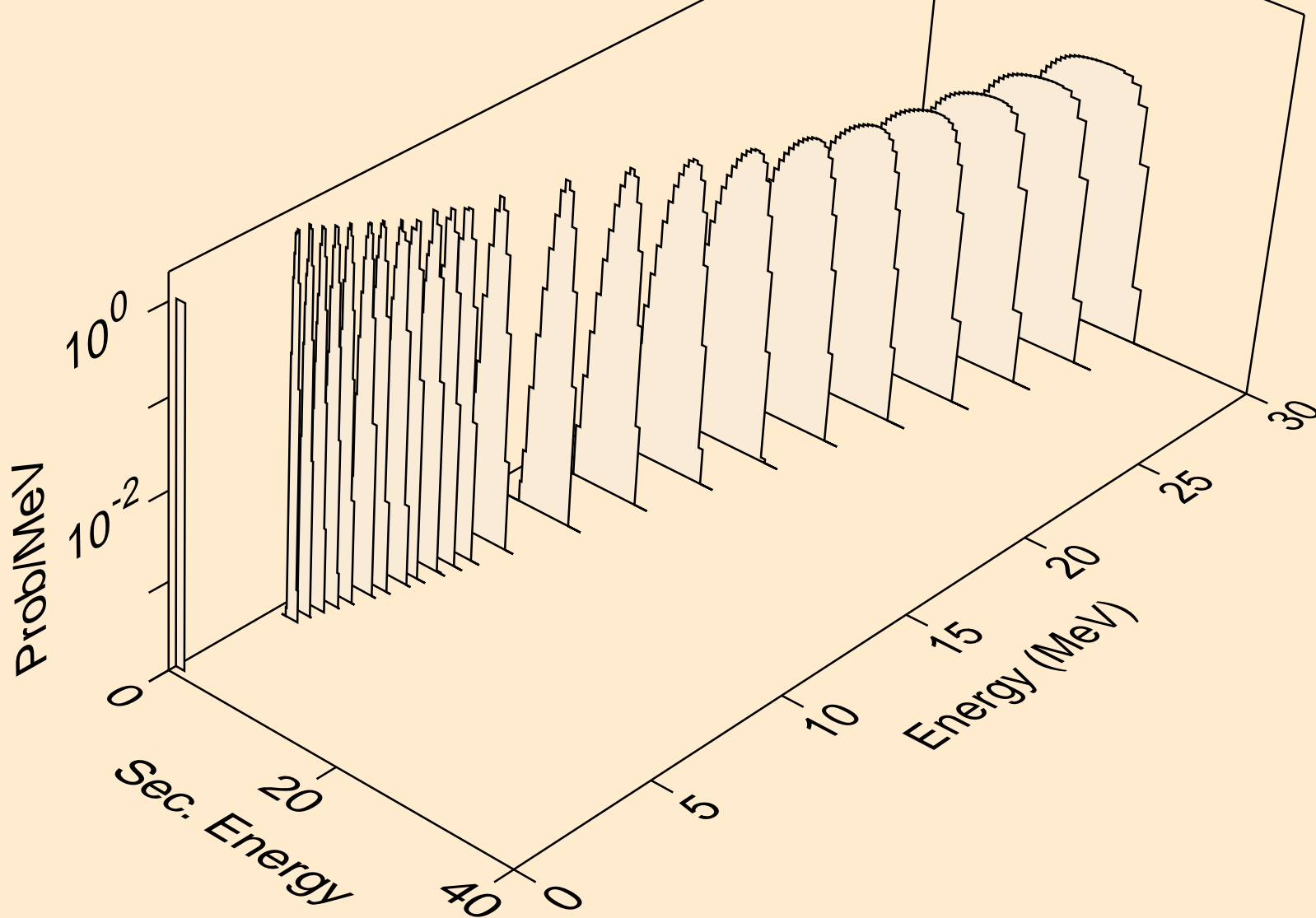
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



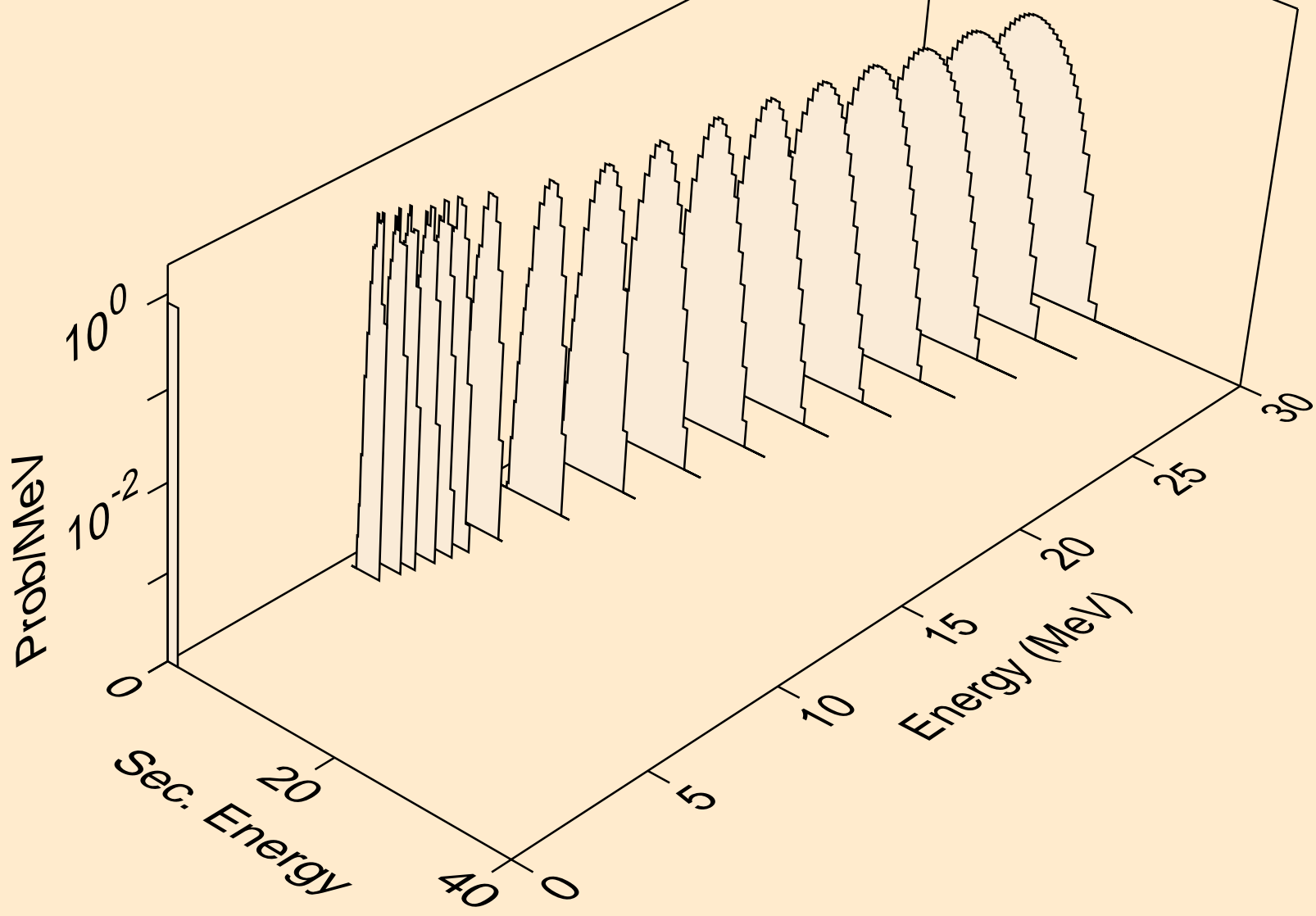
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d)



SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,pd)

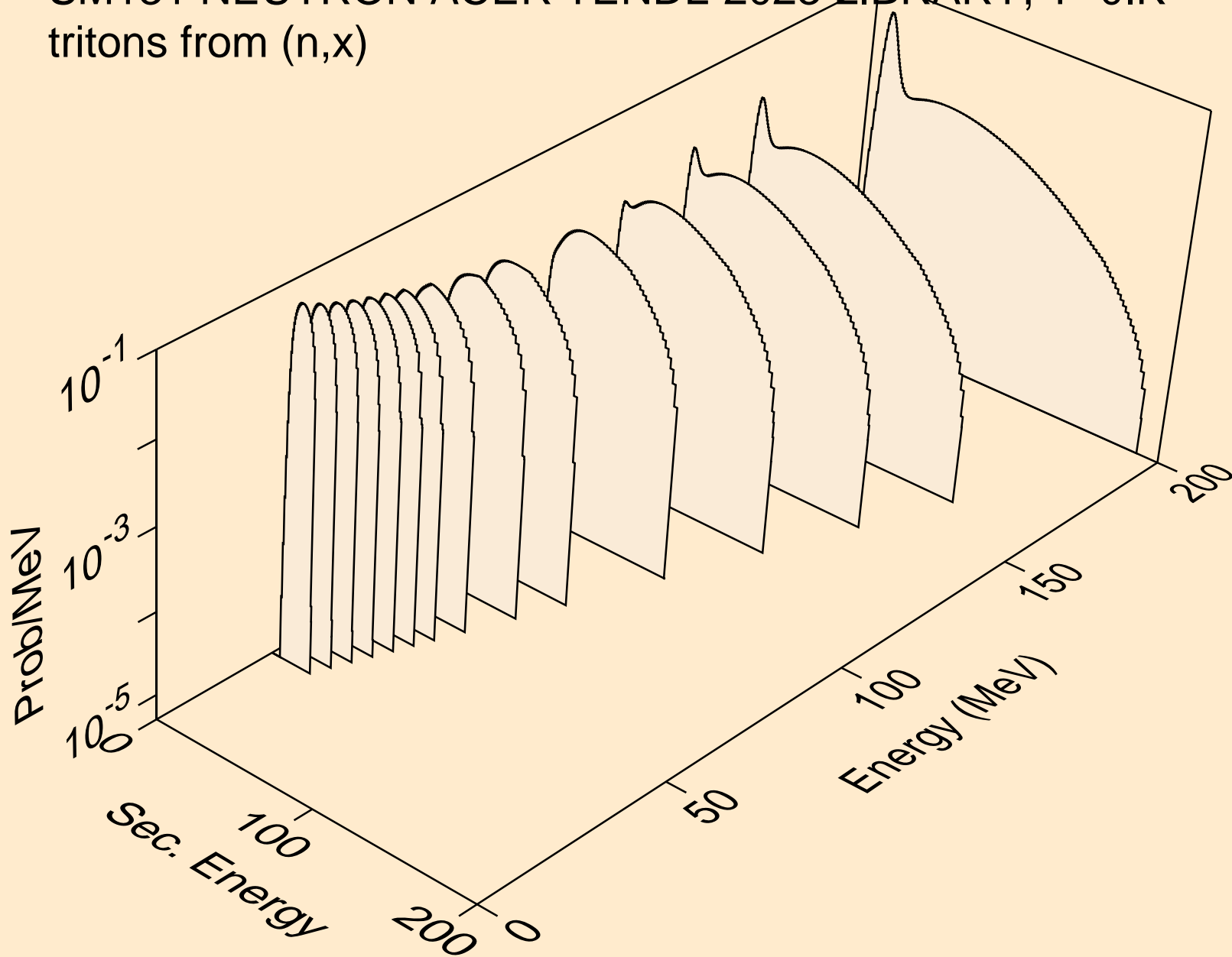


SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,da)

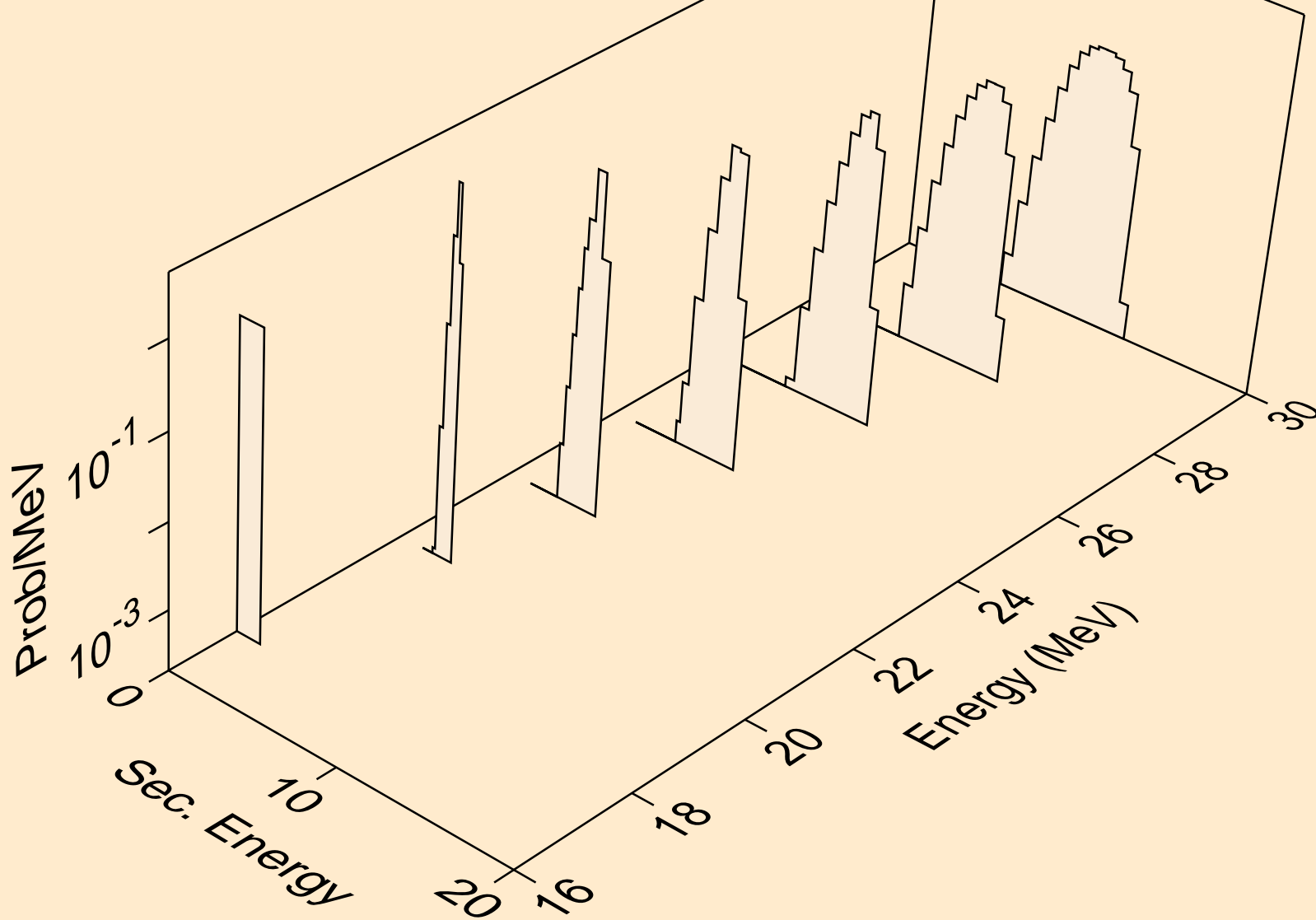




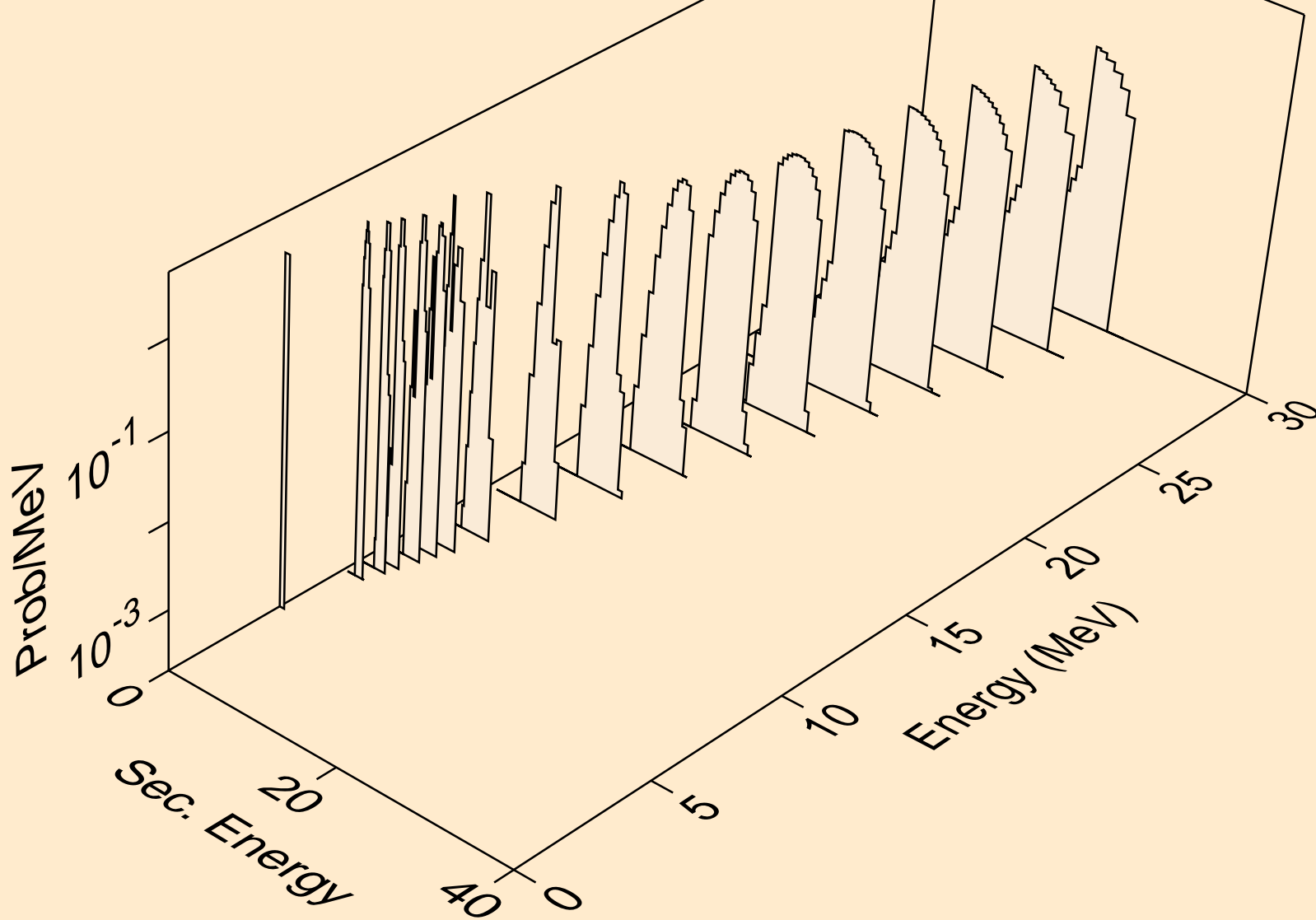
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



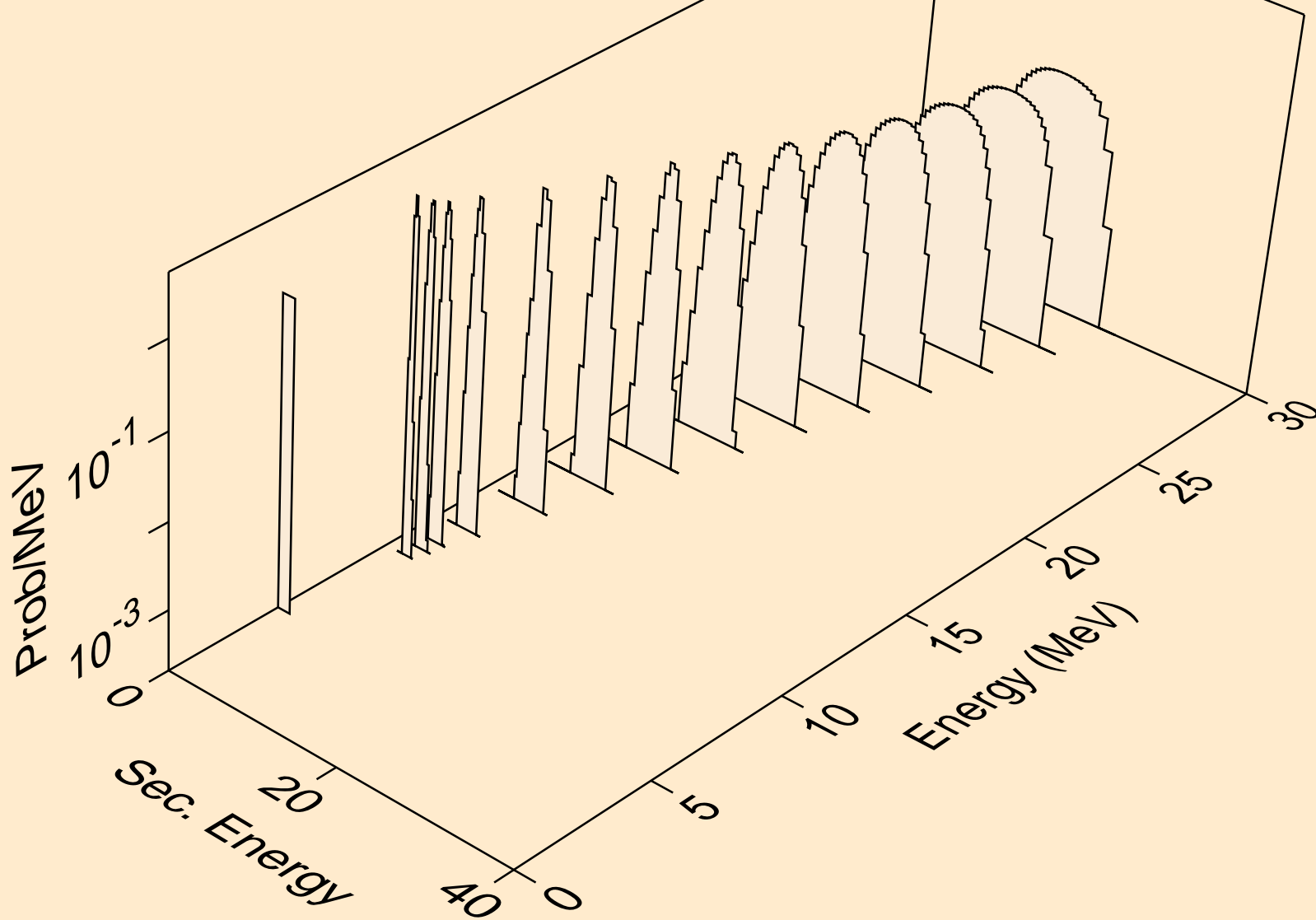
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



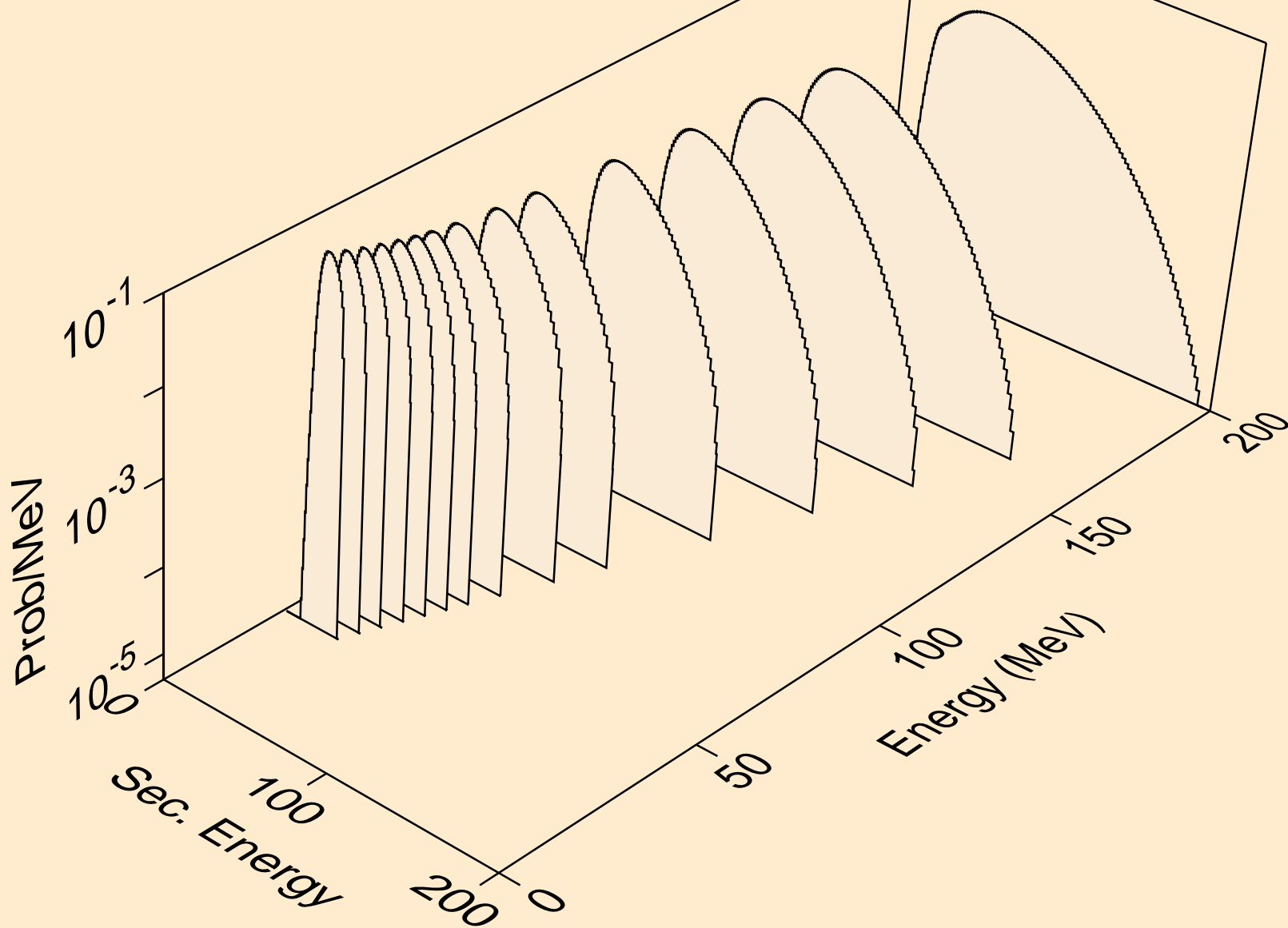
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)



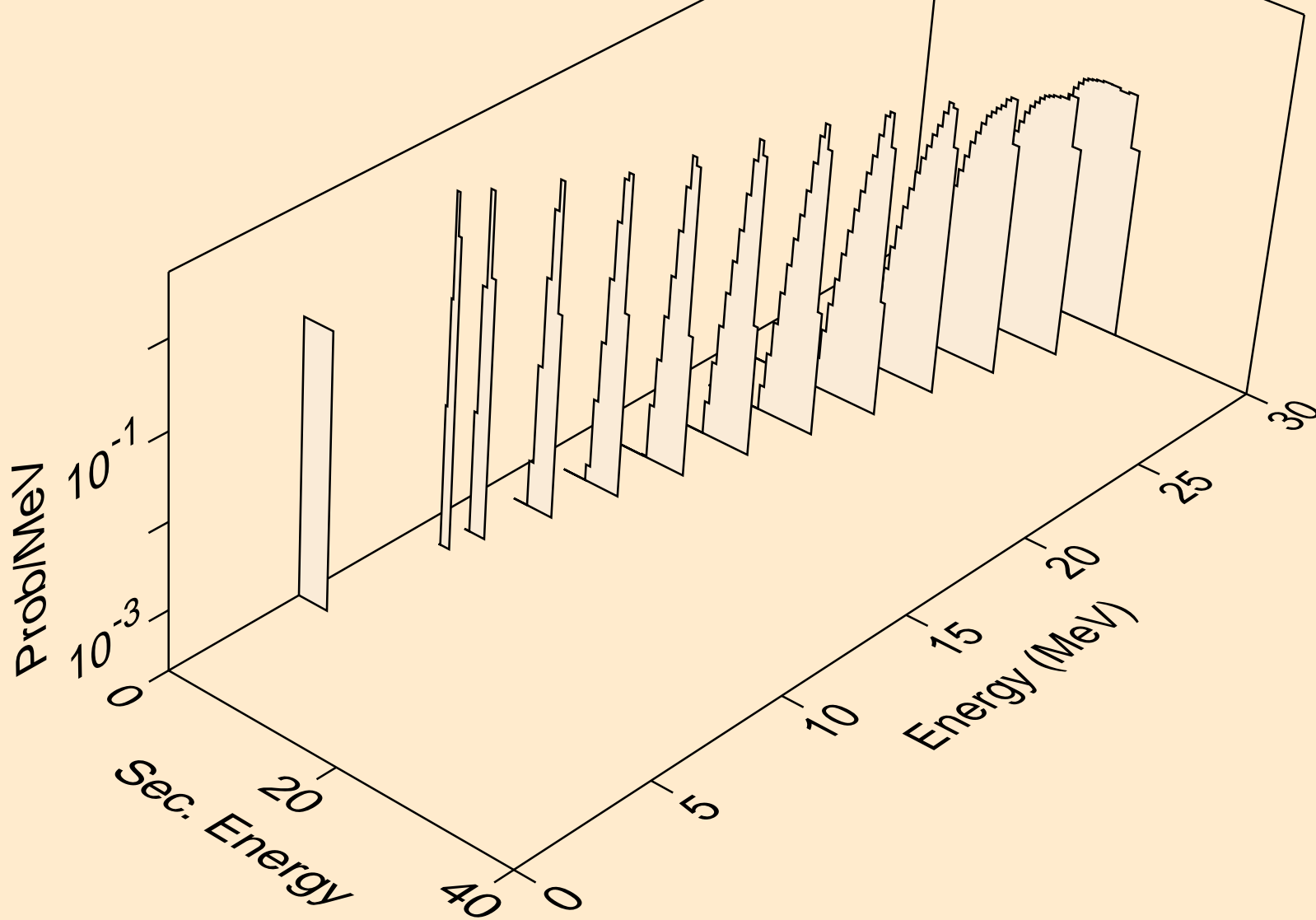
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)



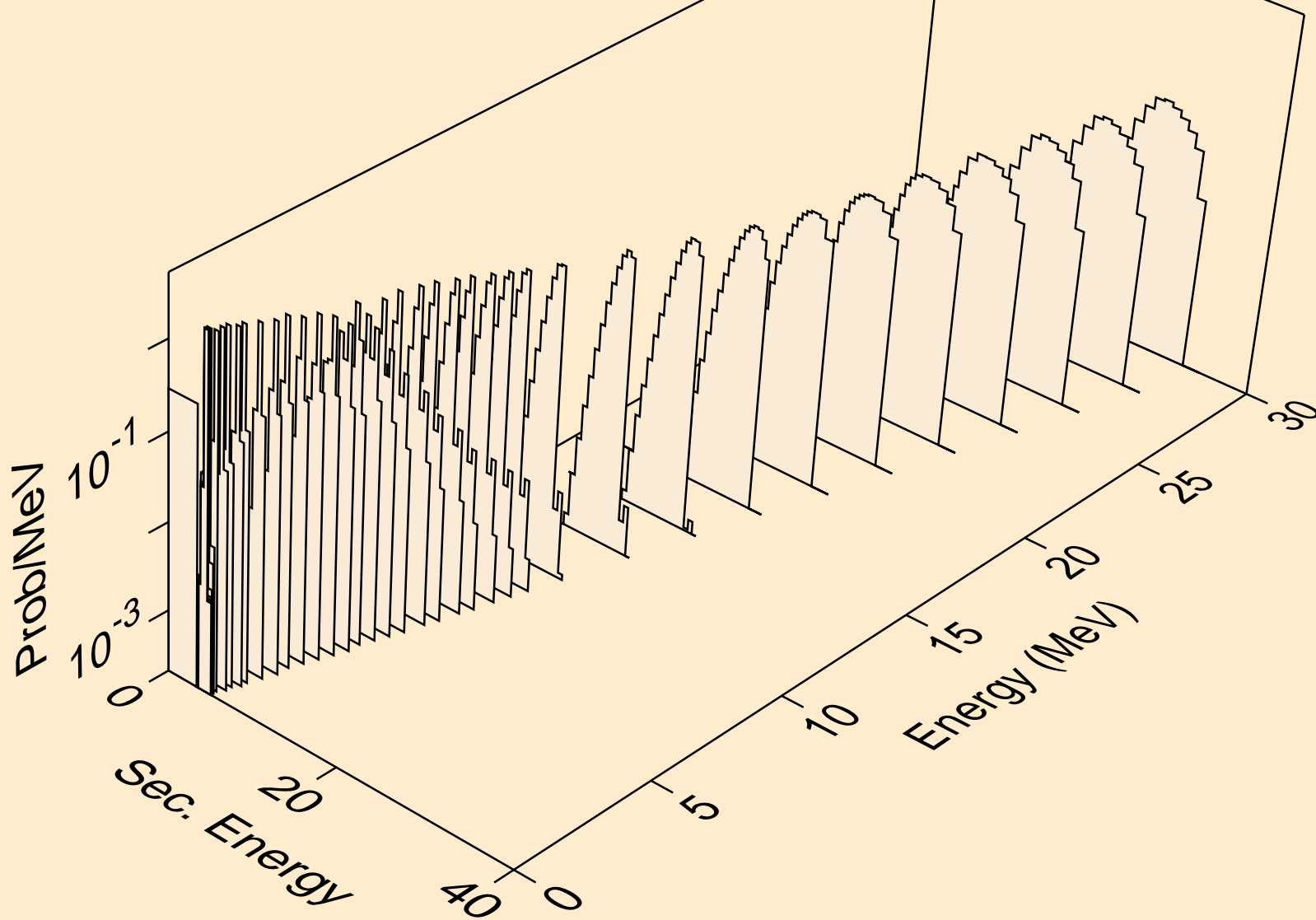
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



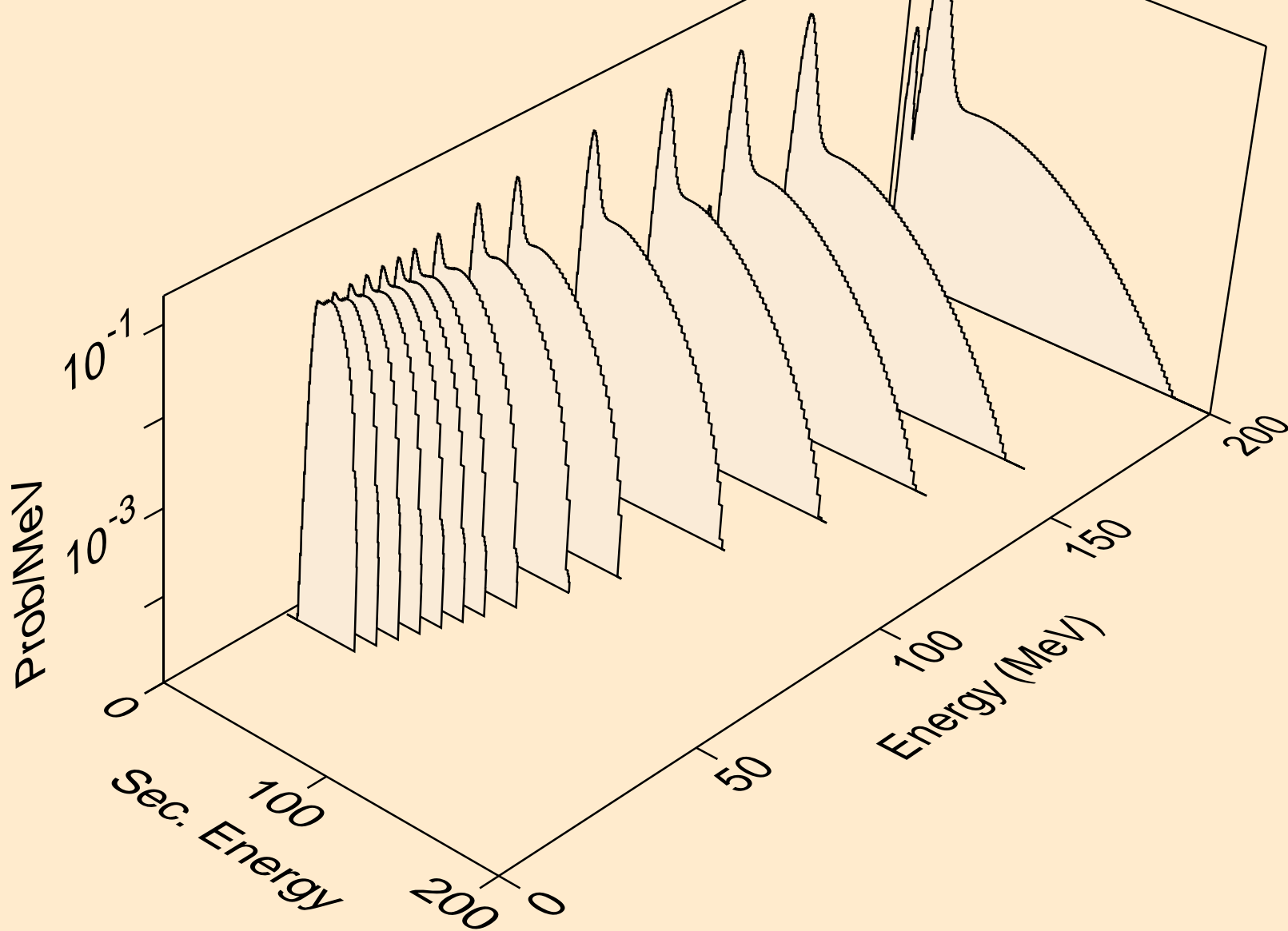
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3



SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,he3)

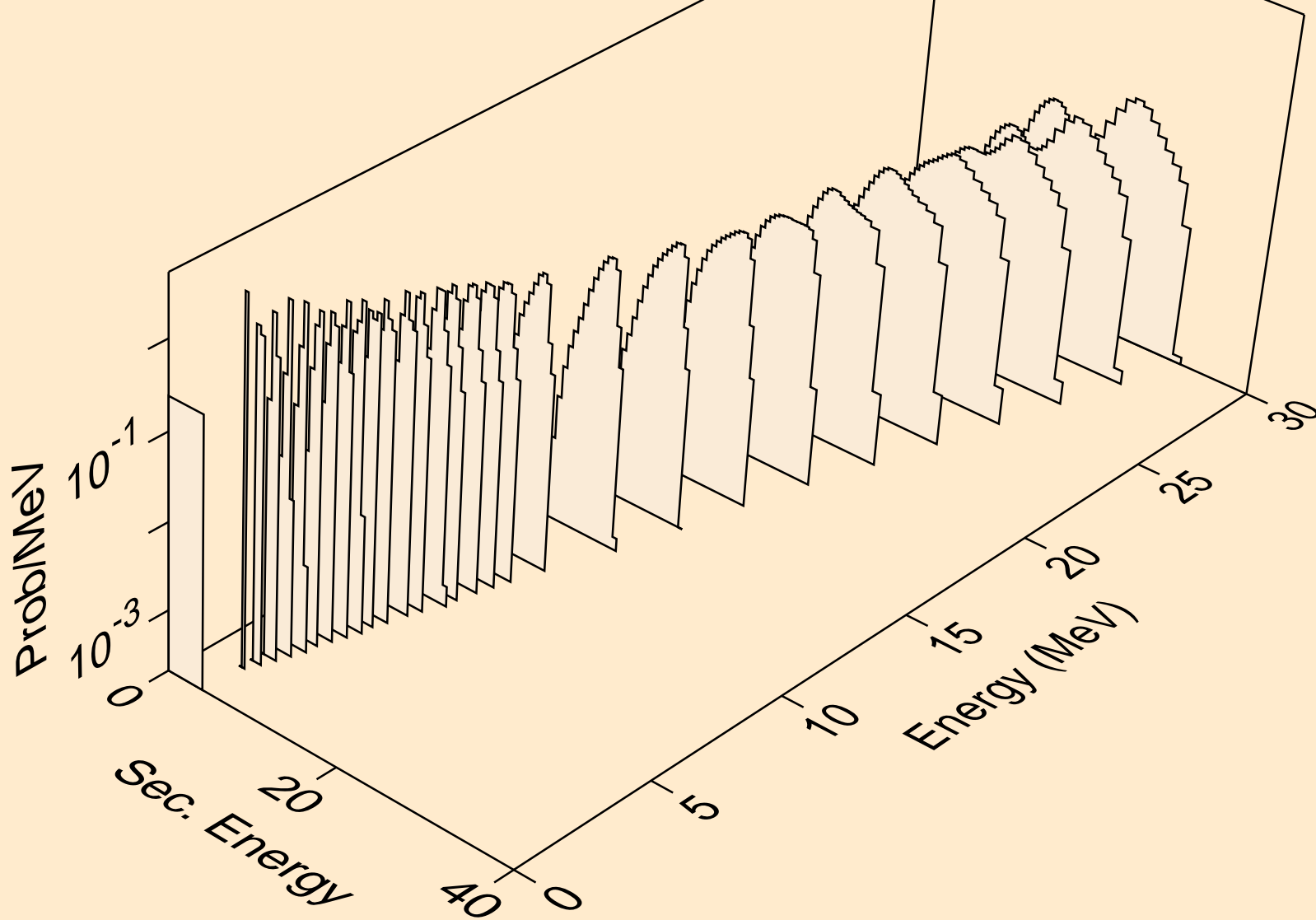


SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)

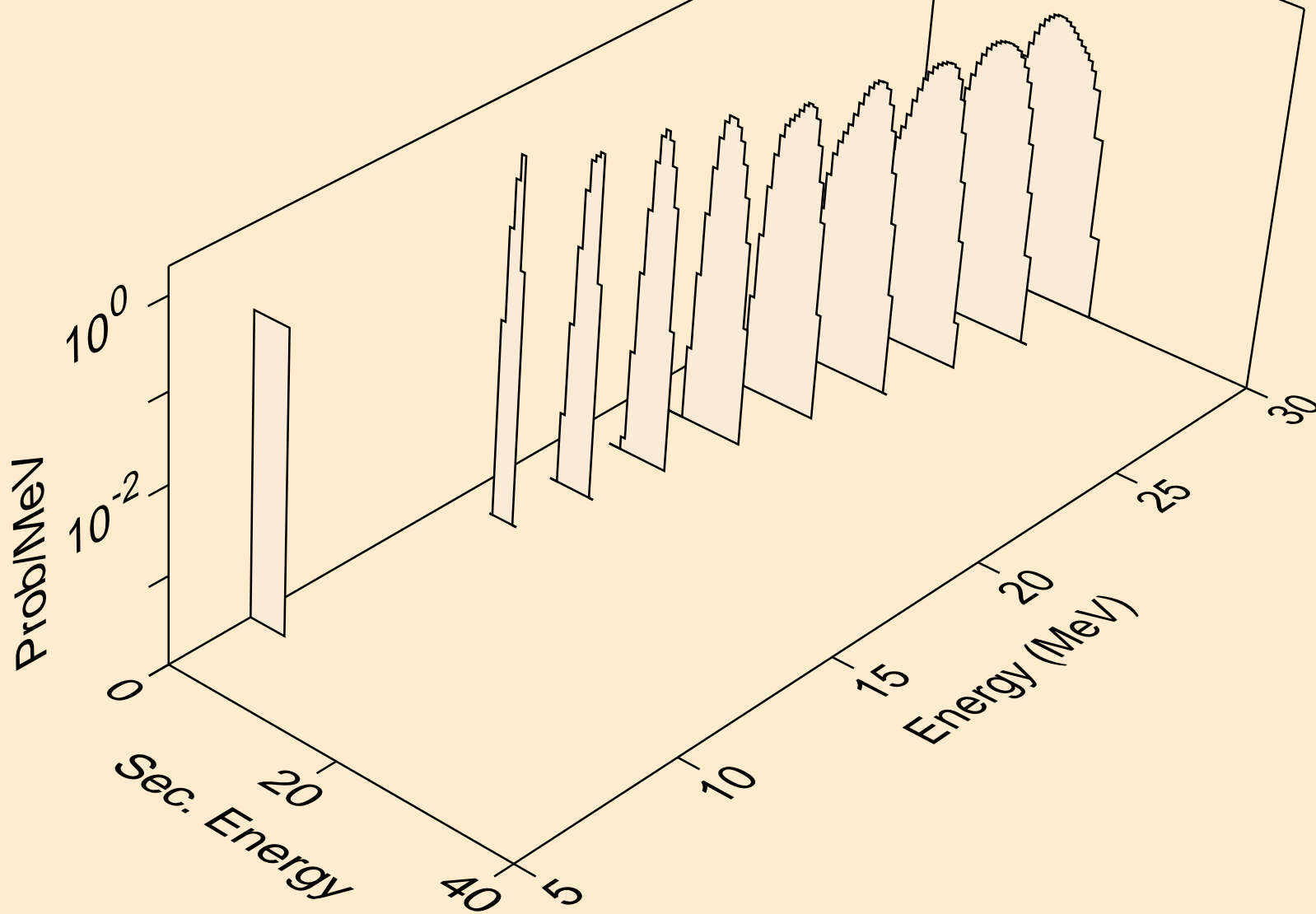




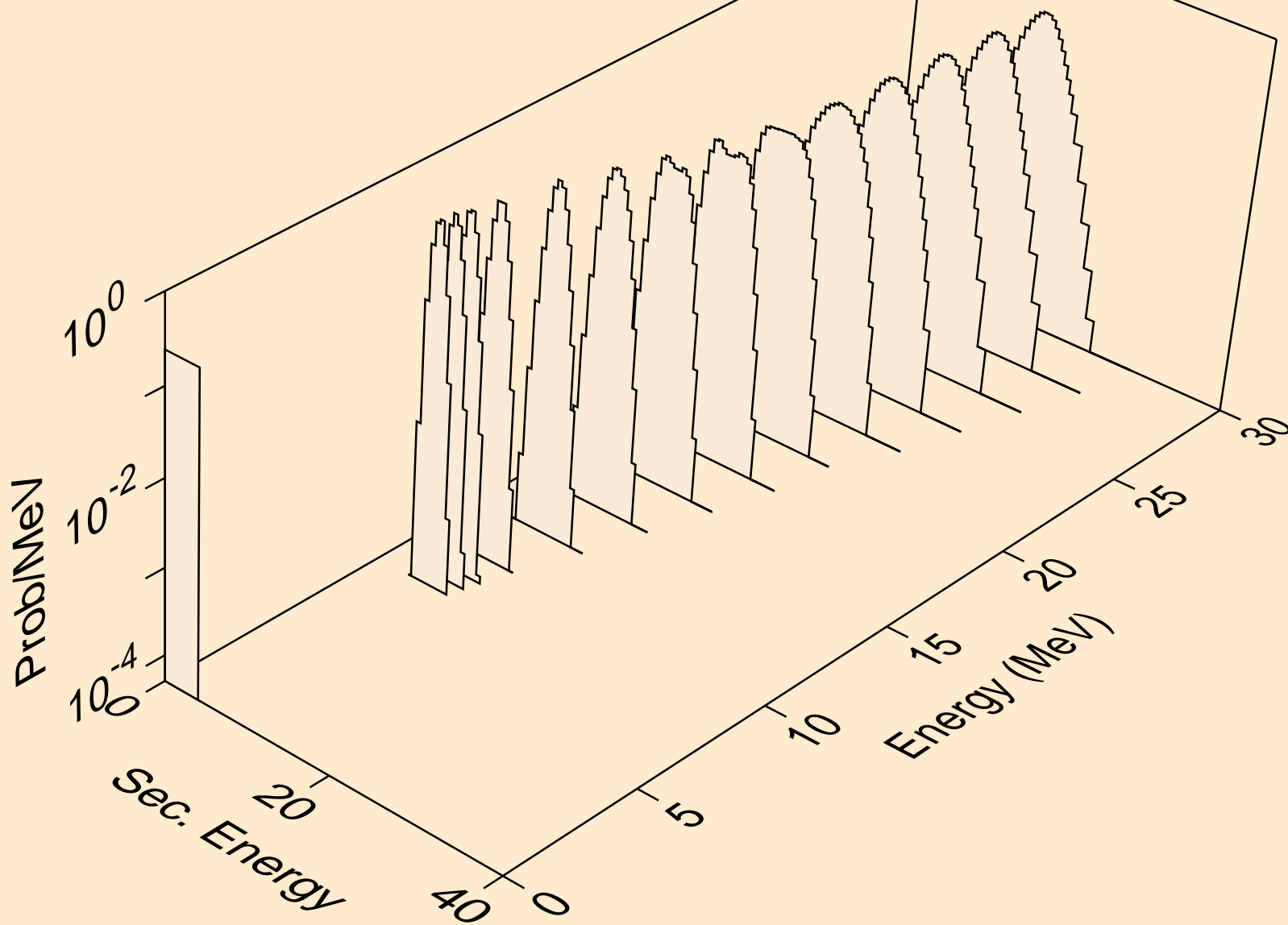
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



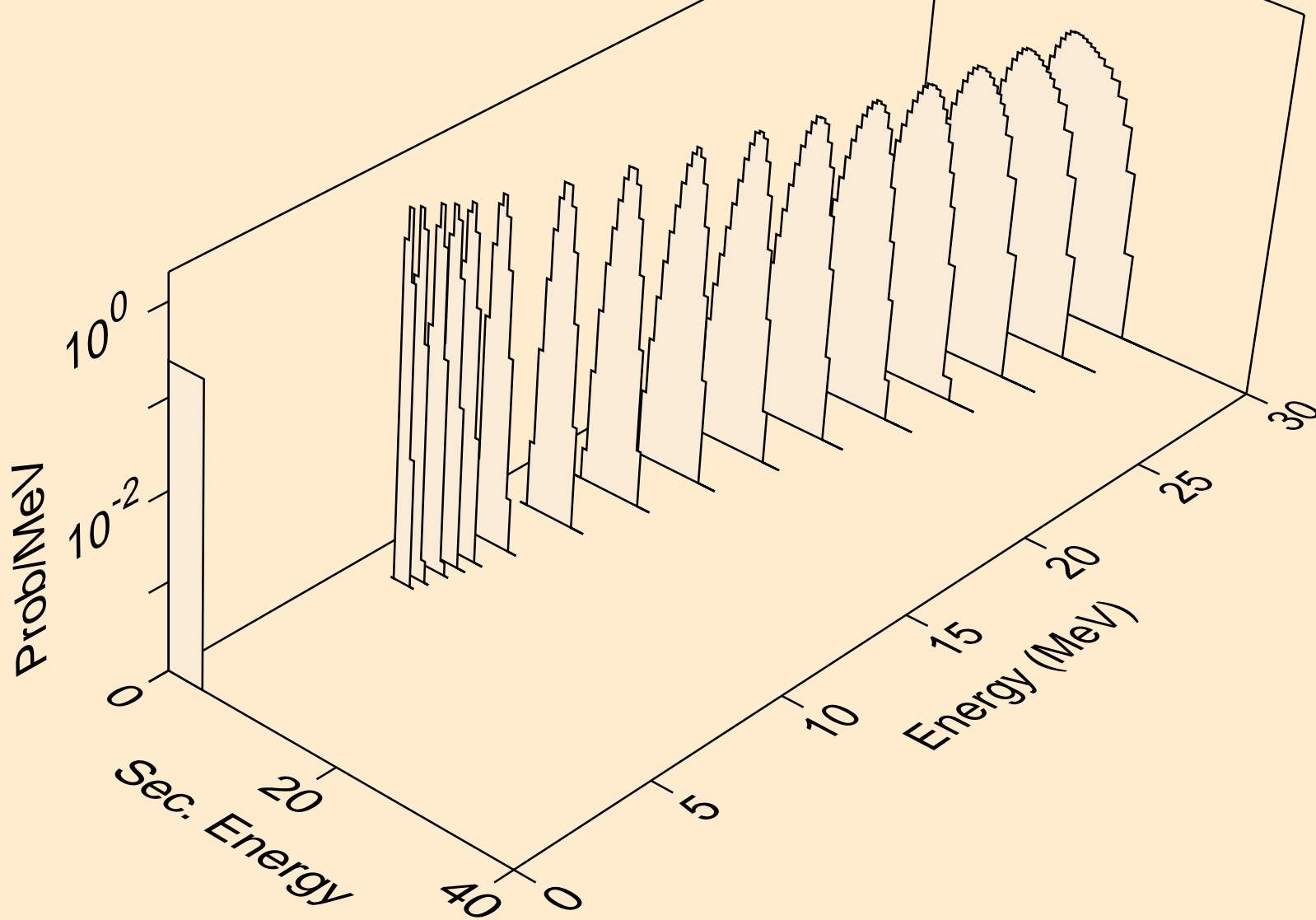
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



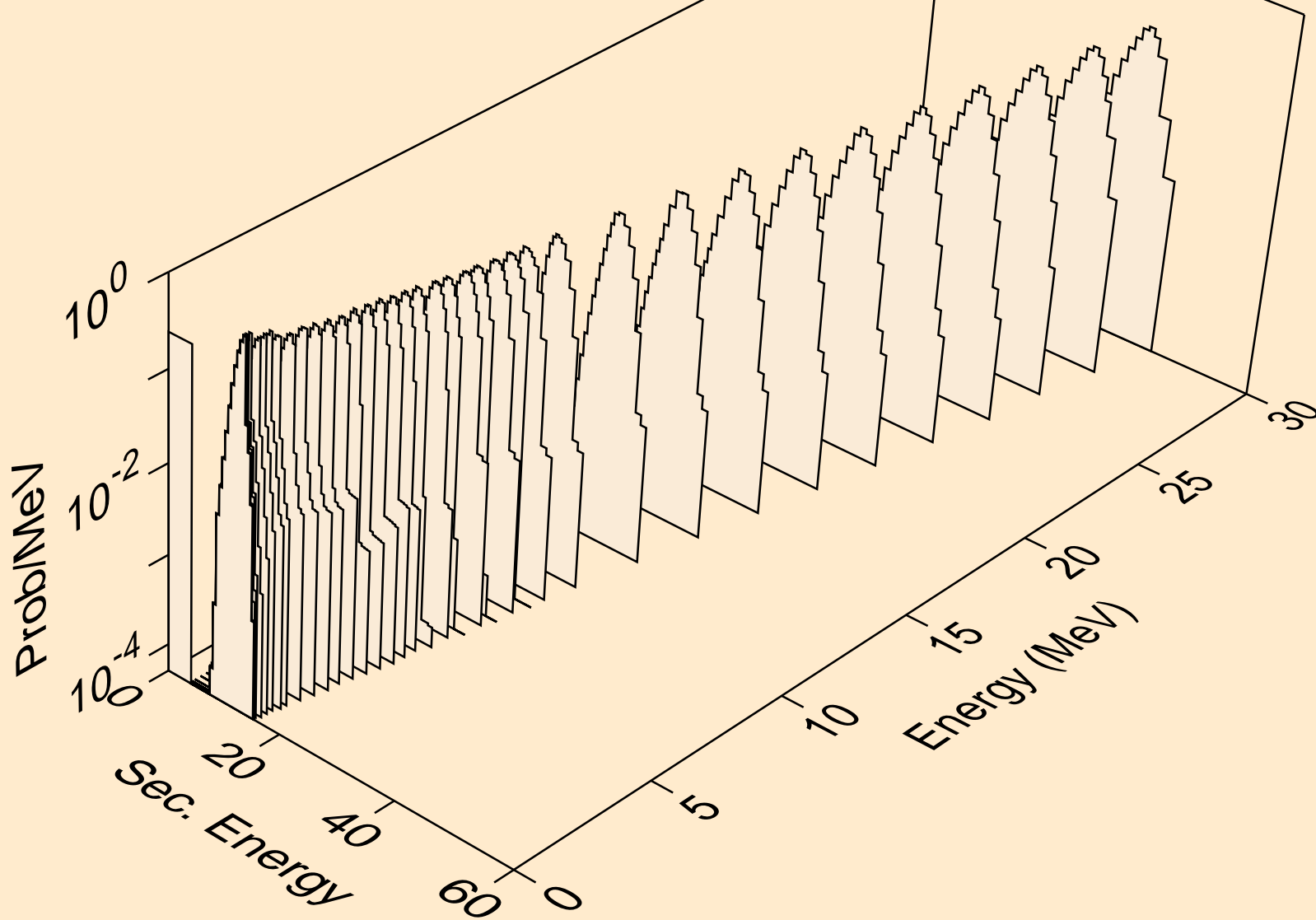
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a



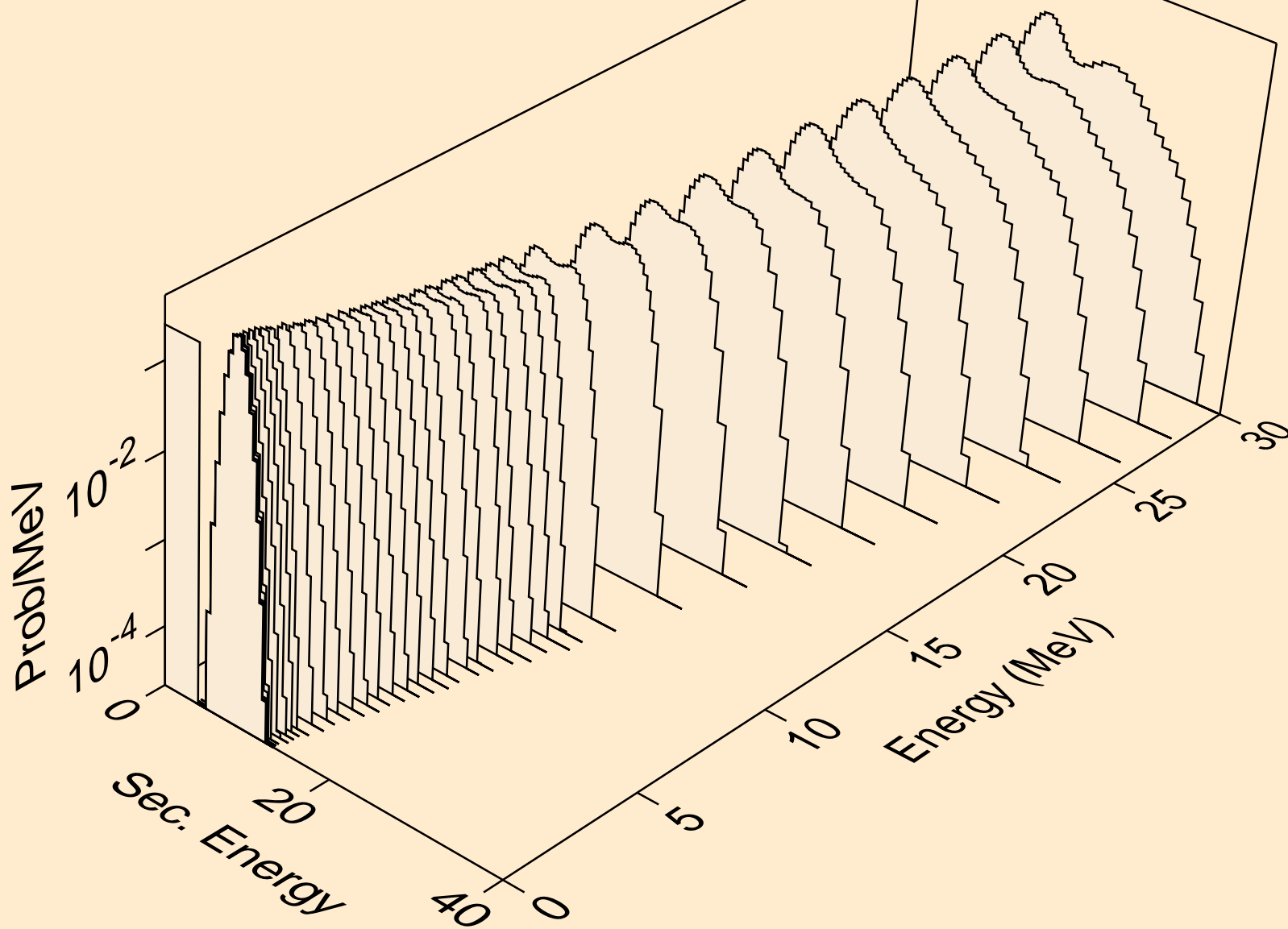
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)



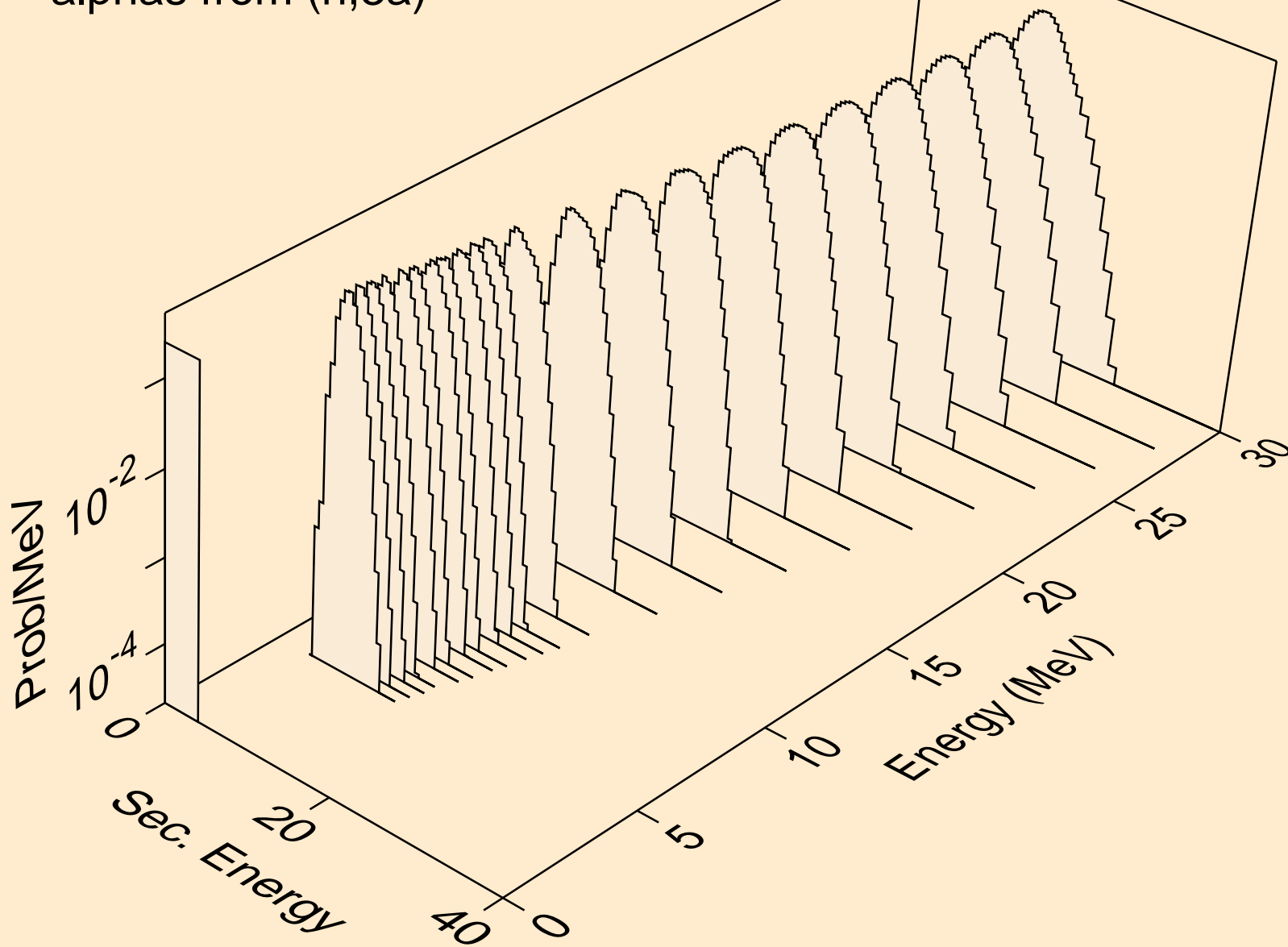
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



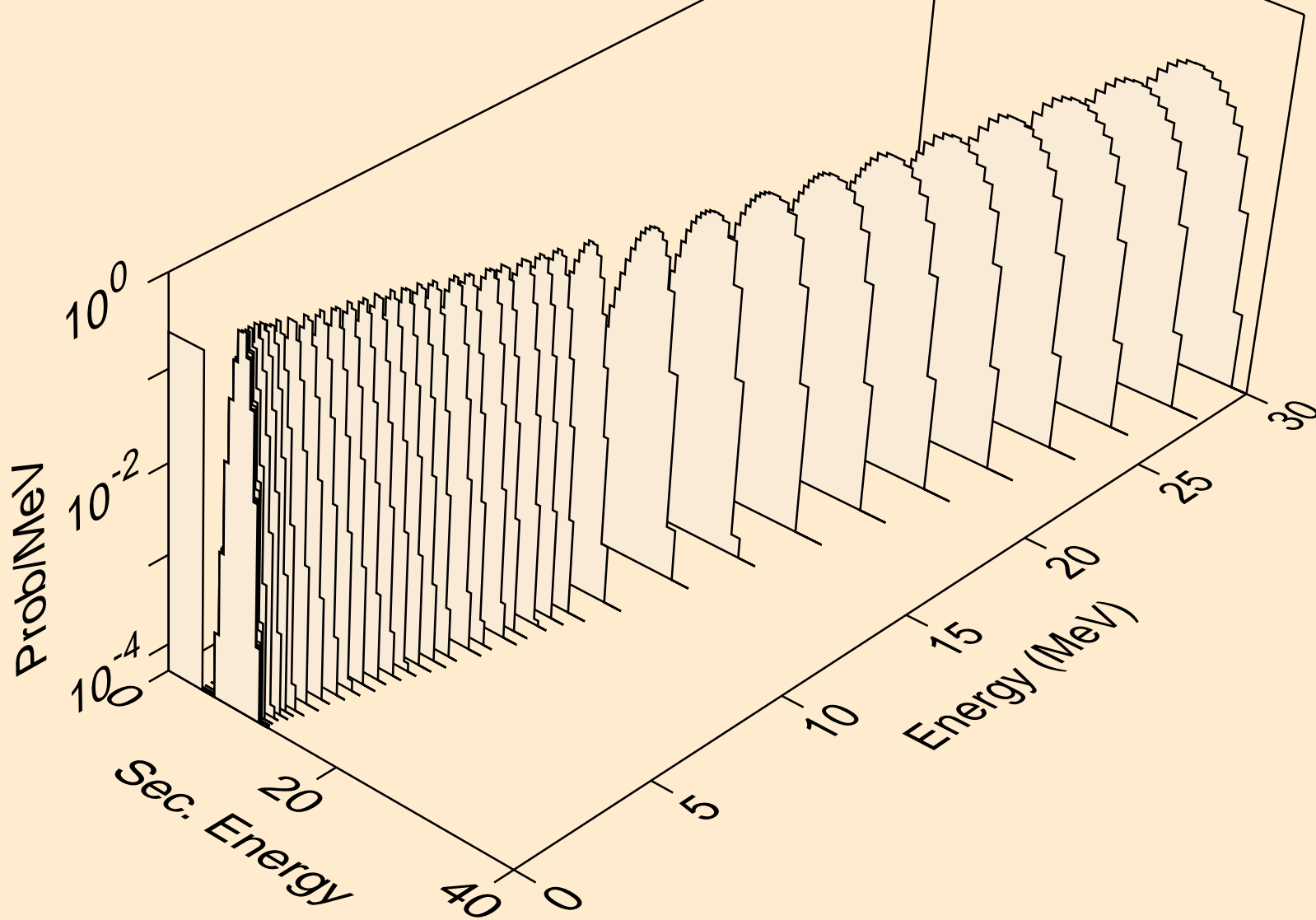
SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3a)



SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)





SM131 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

