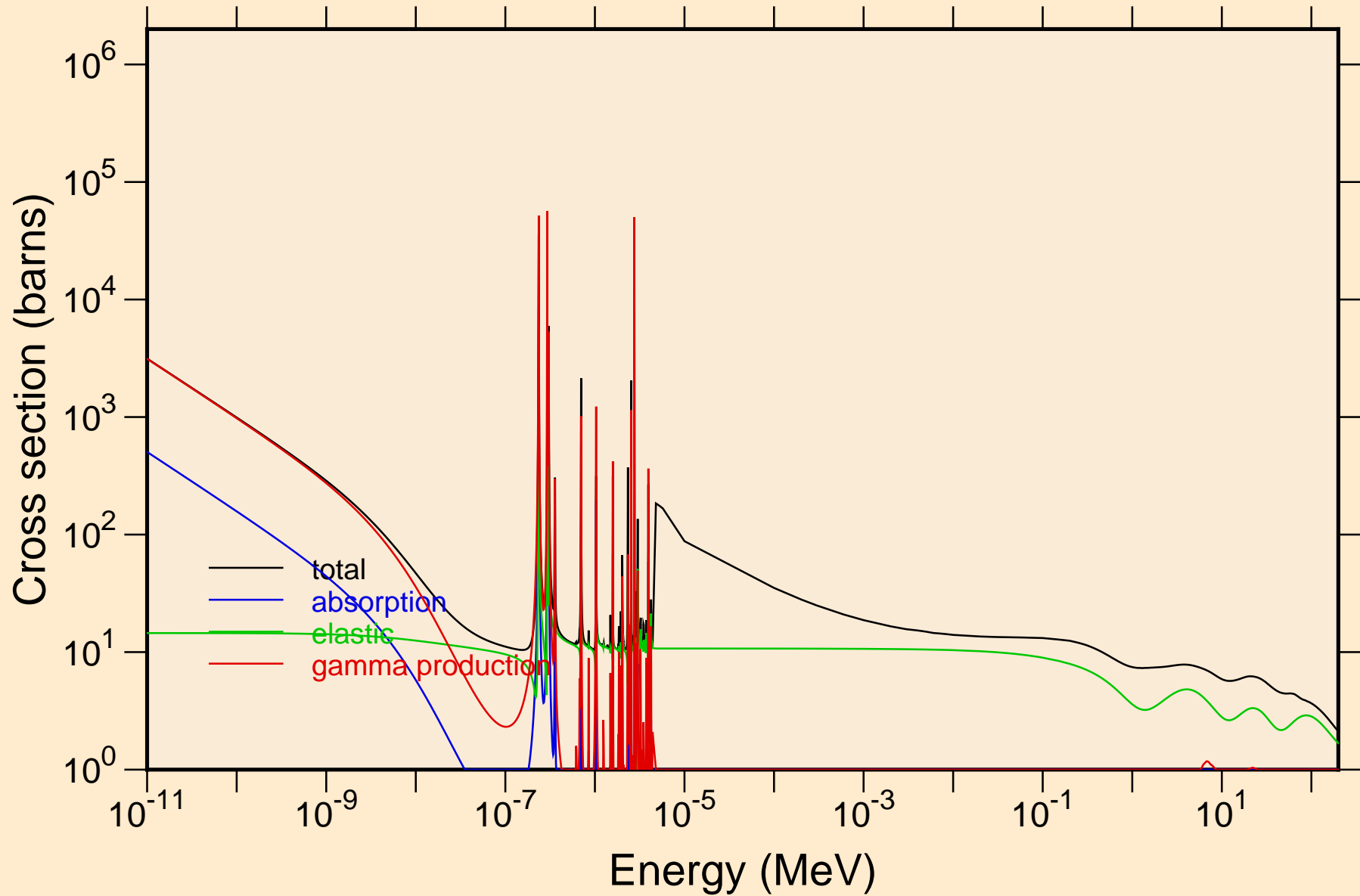
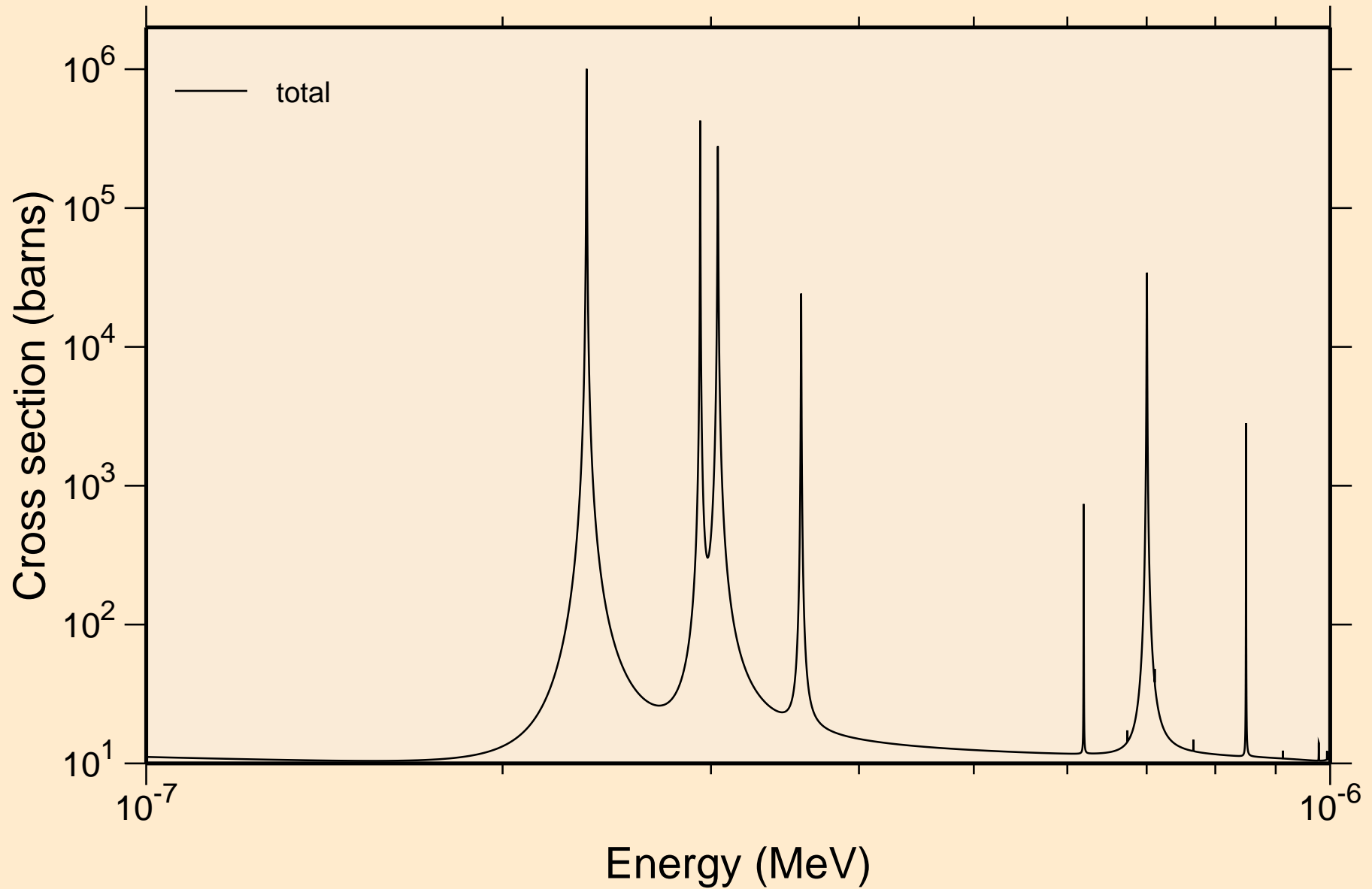


# ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

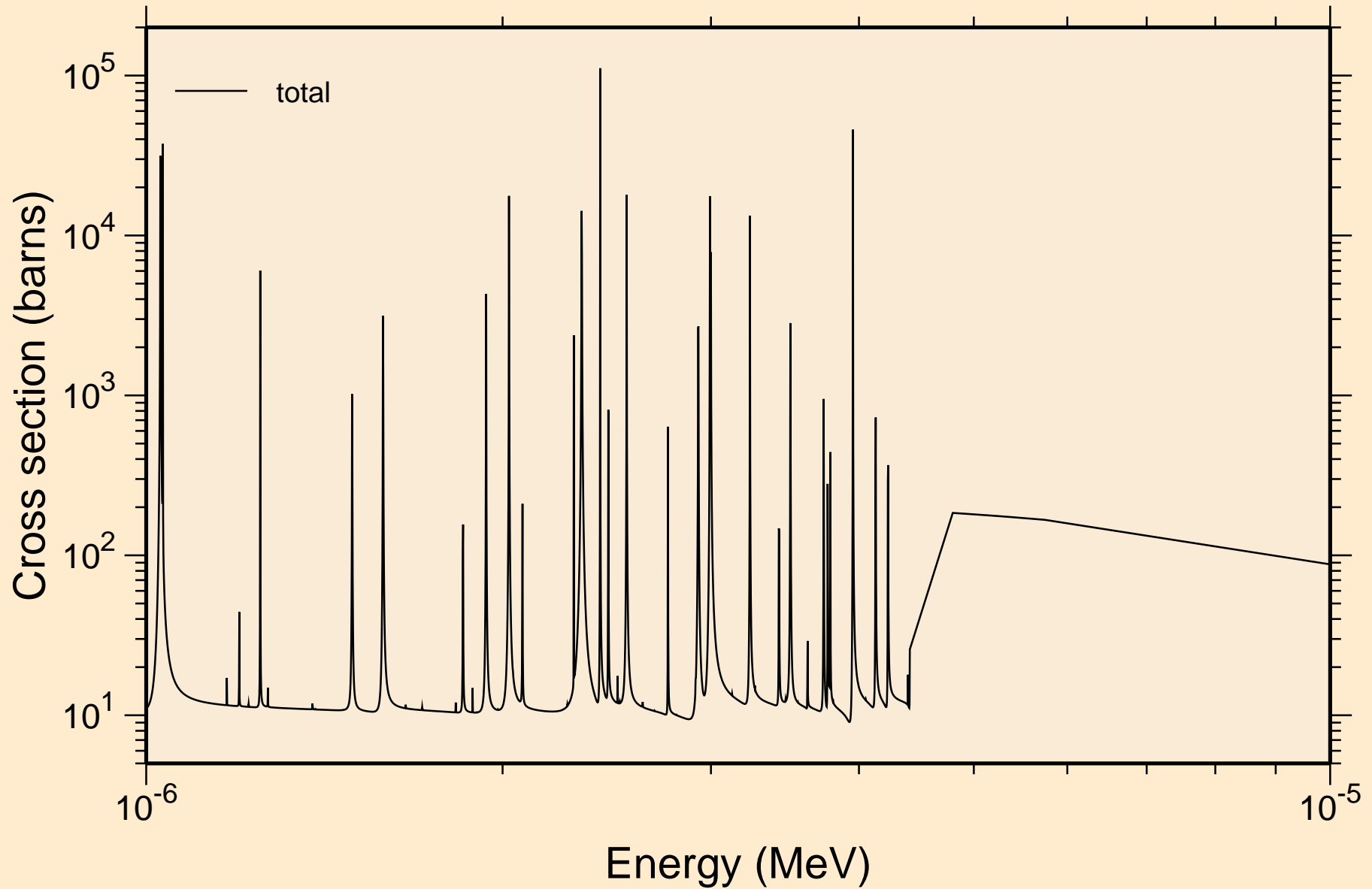
## Principal cross sections



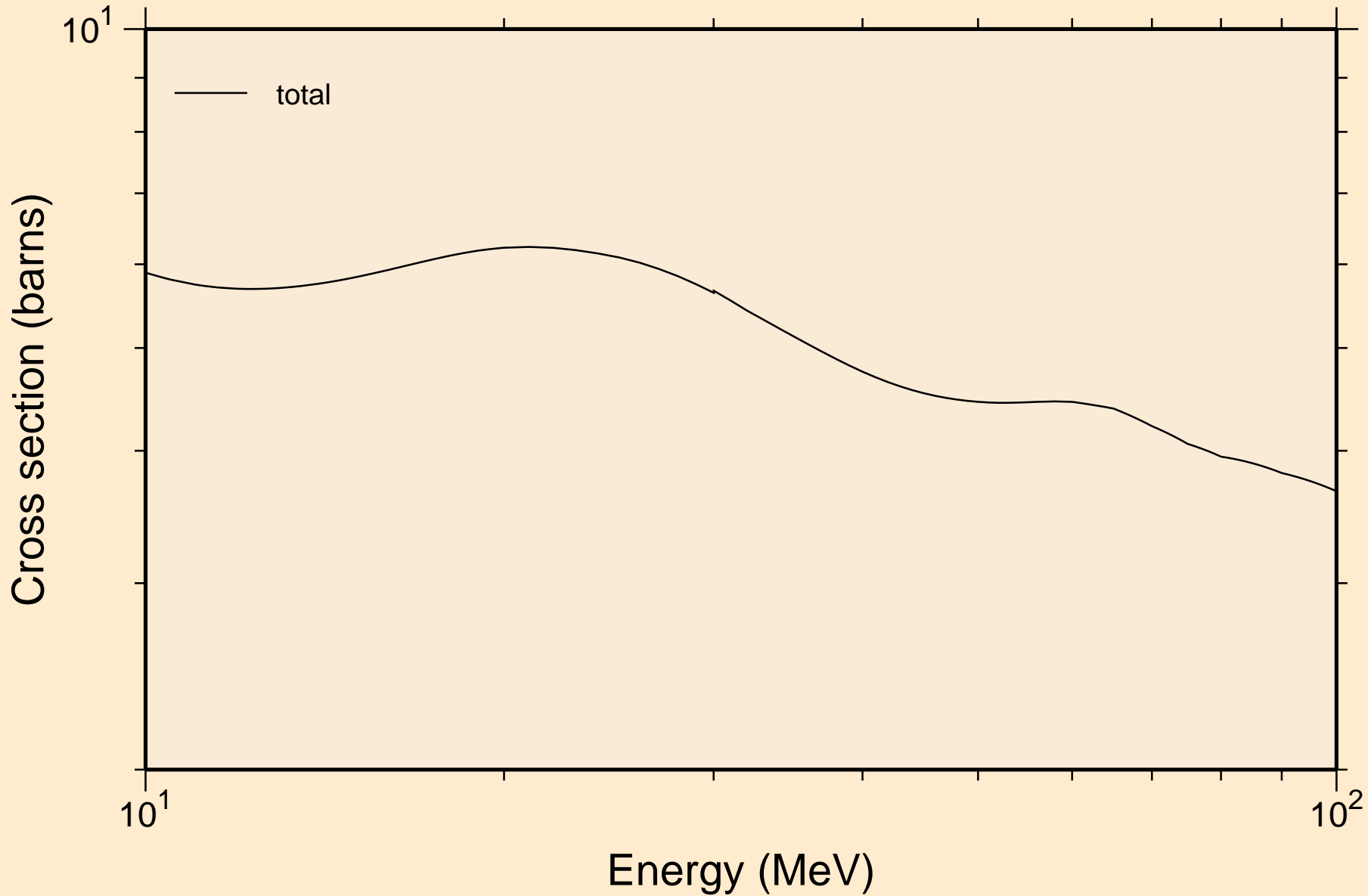
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



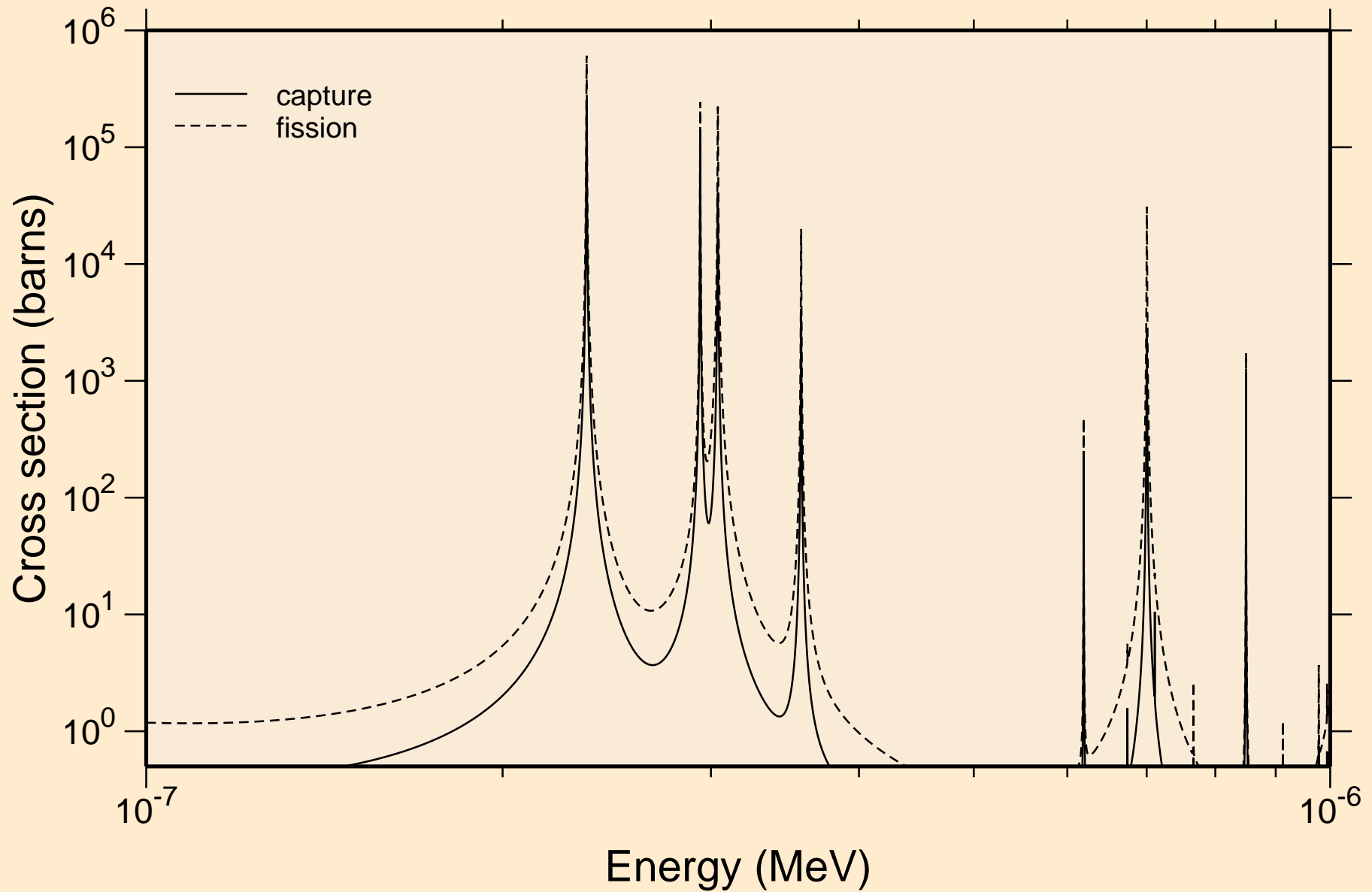
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section

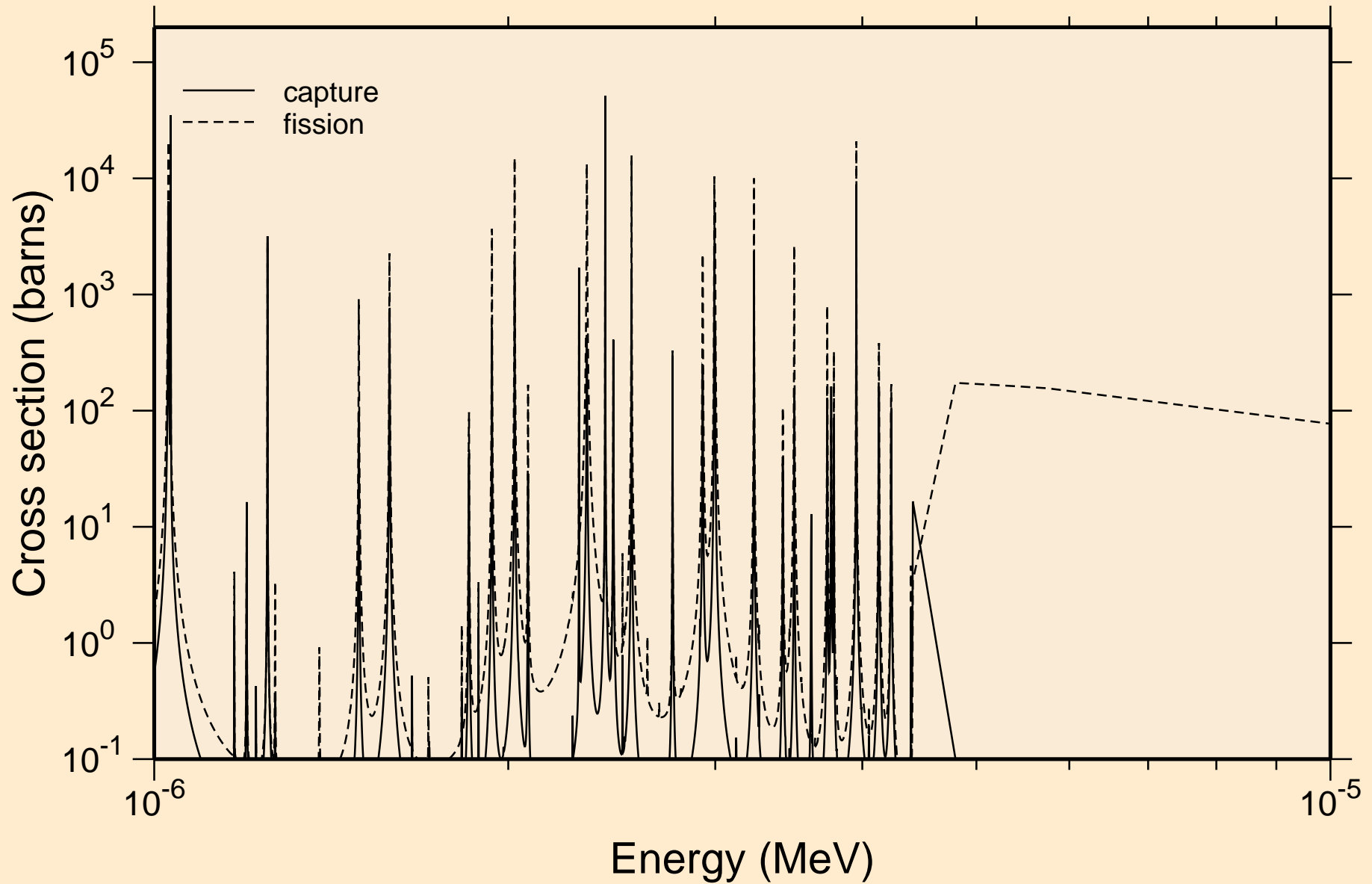


ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

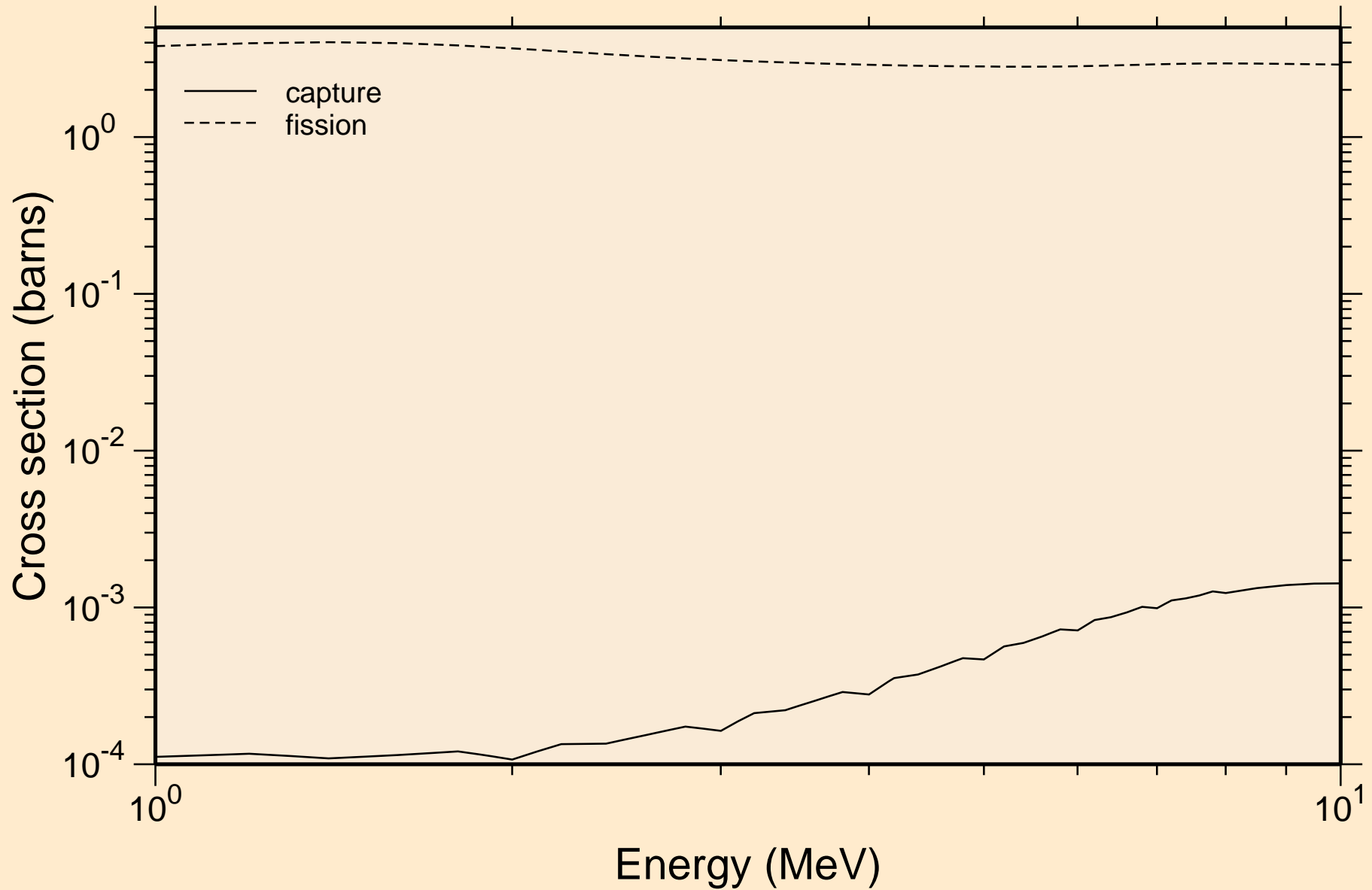


# ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## resonance absorption cross sections

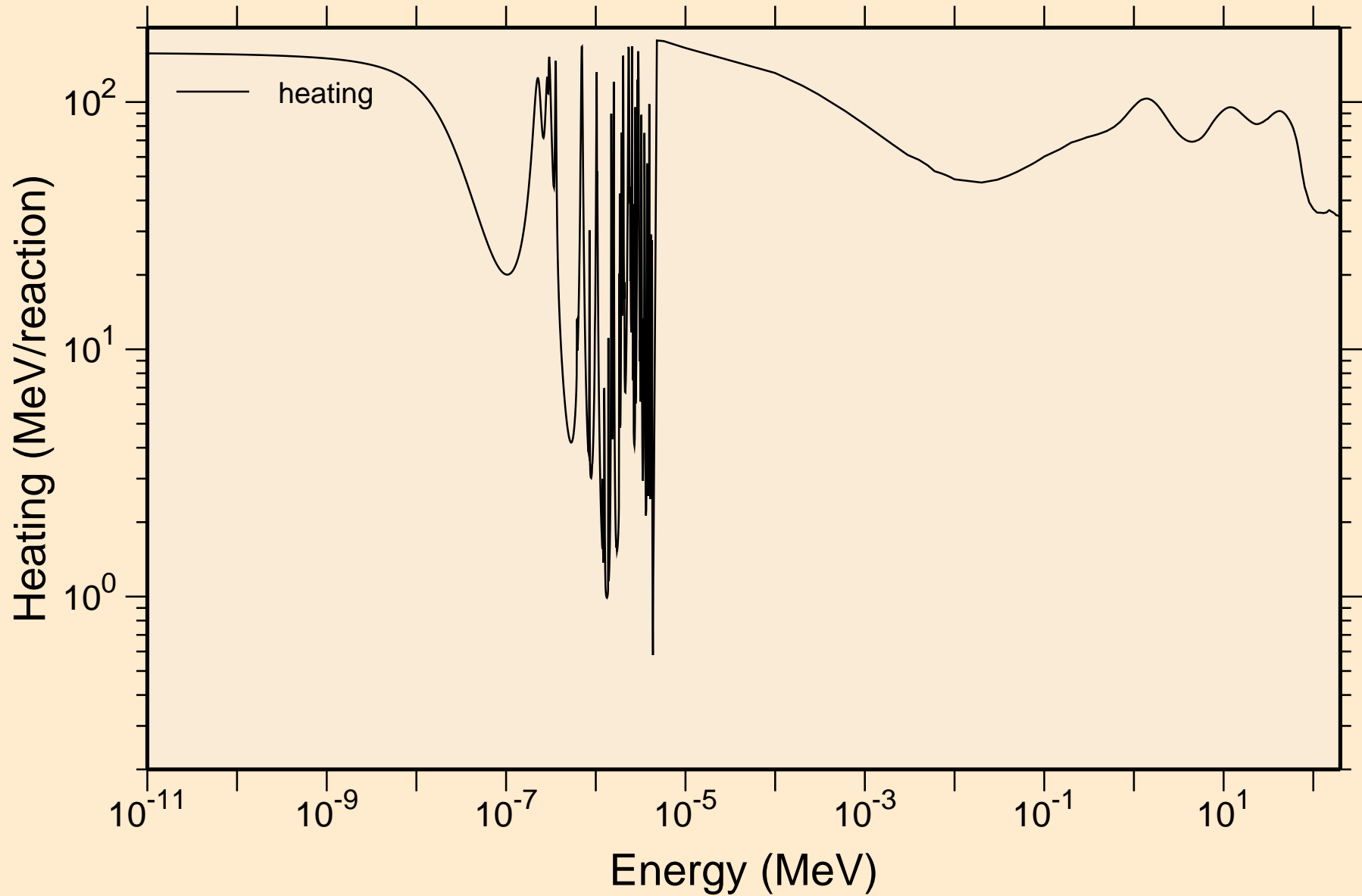


ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



# ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

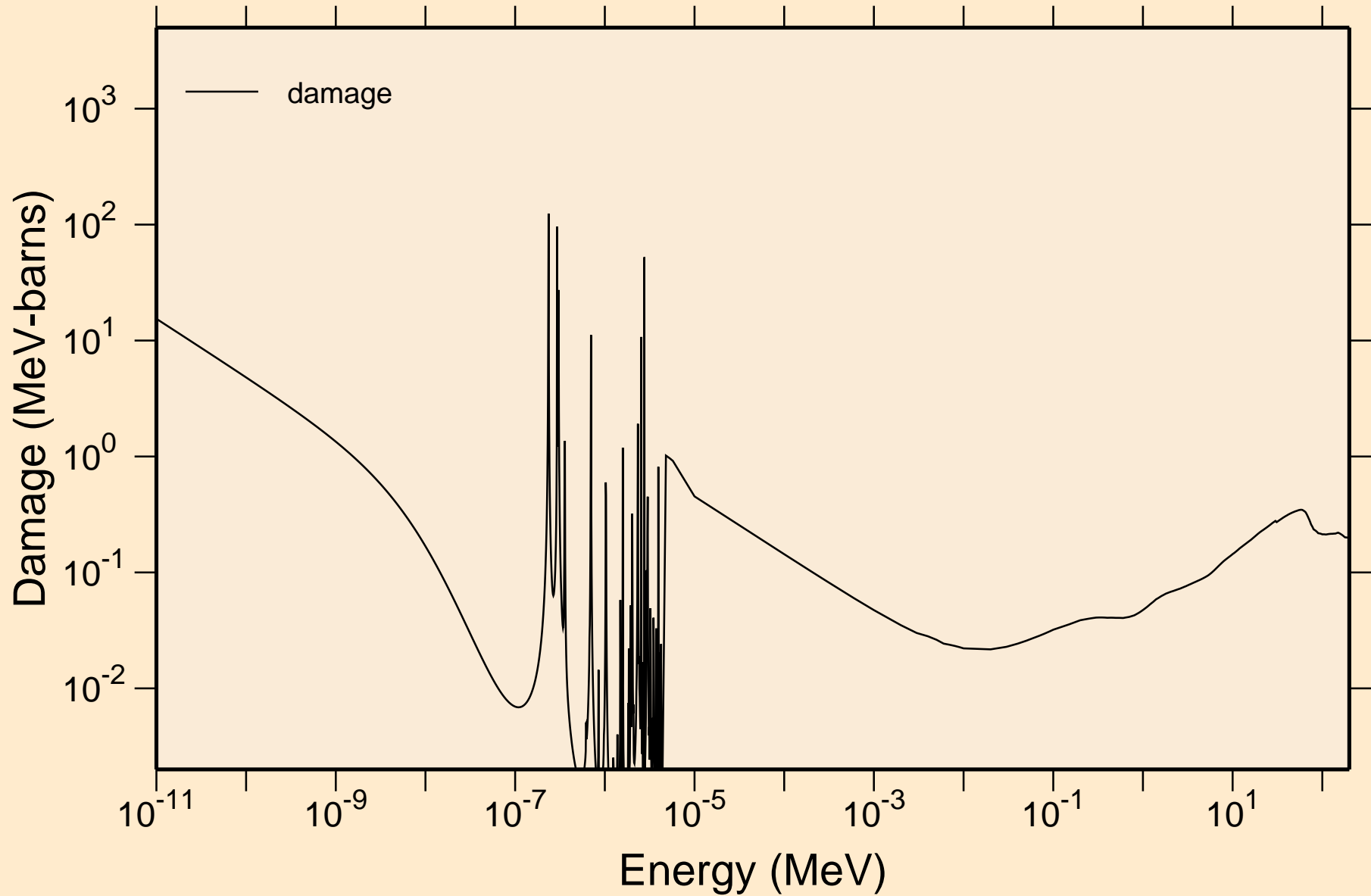
## Heating





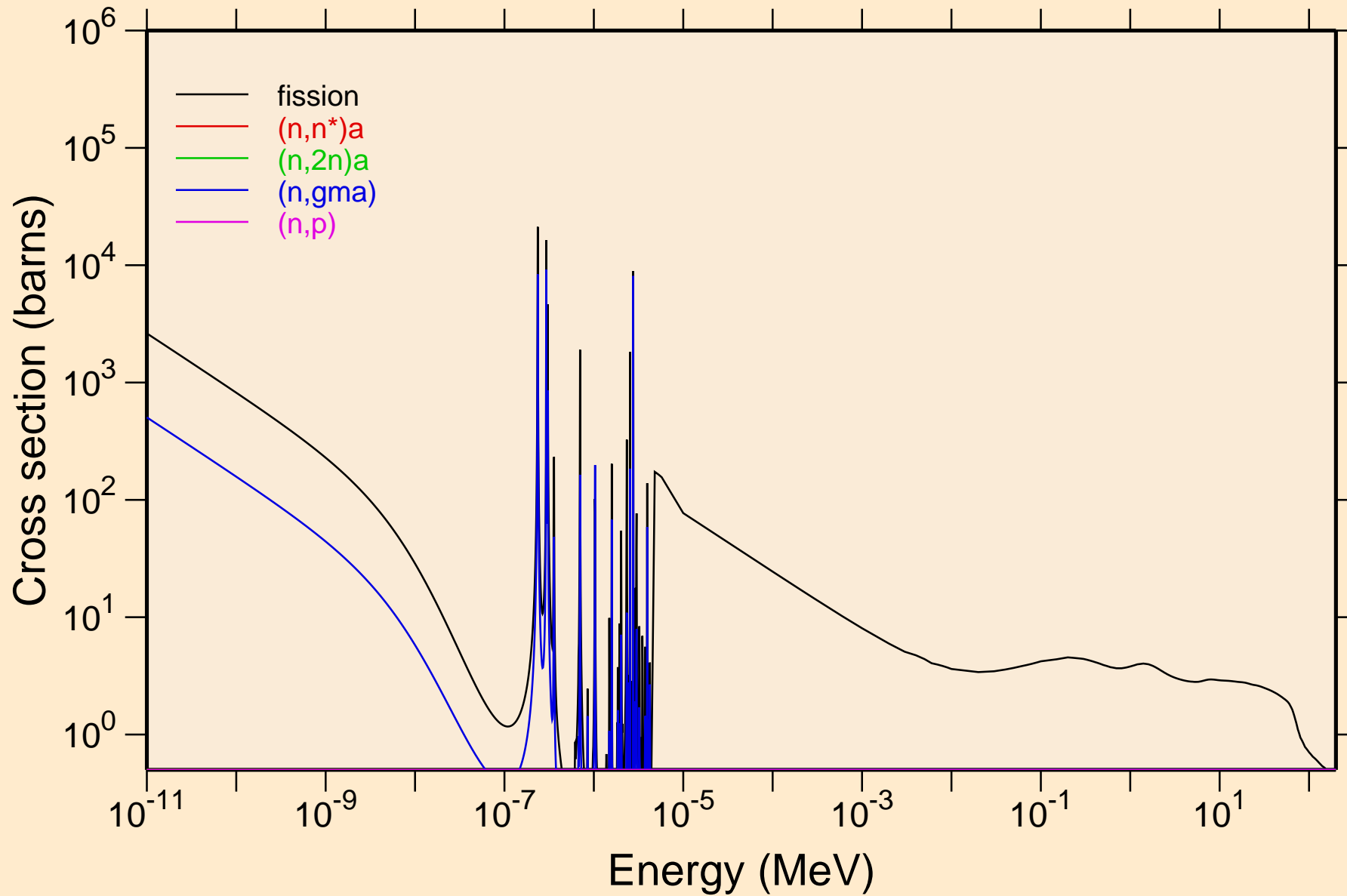
# ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage



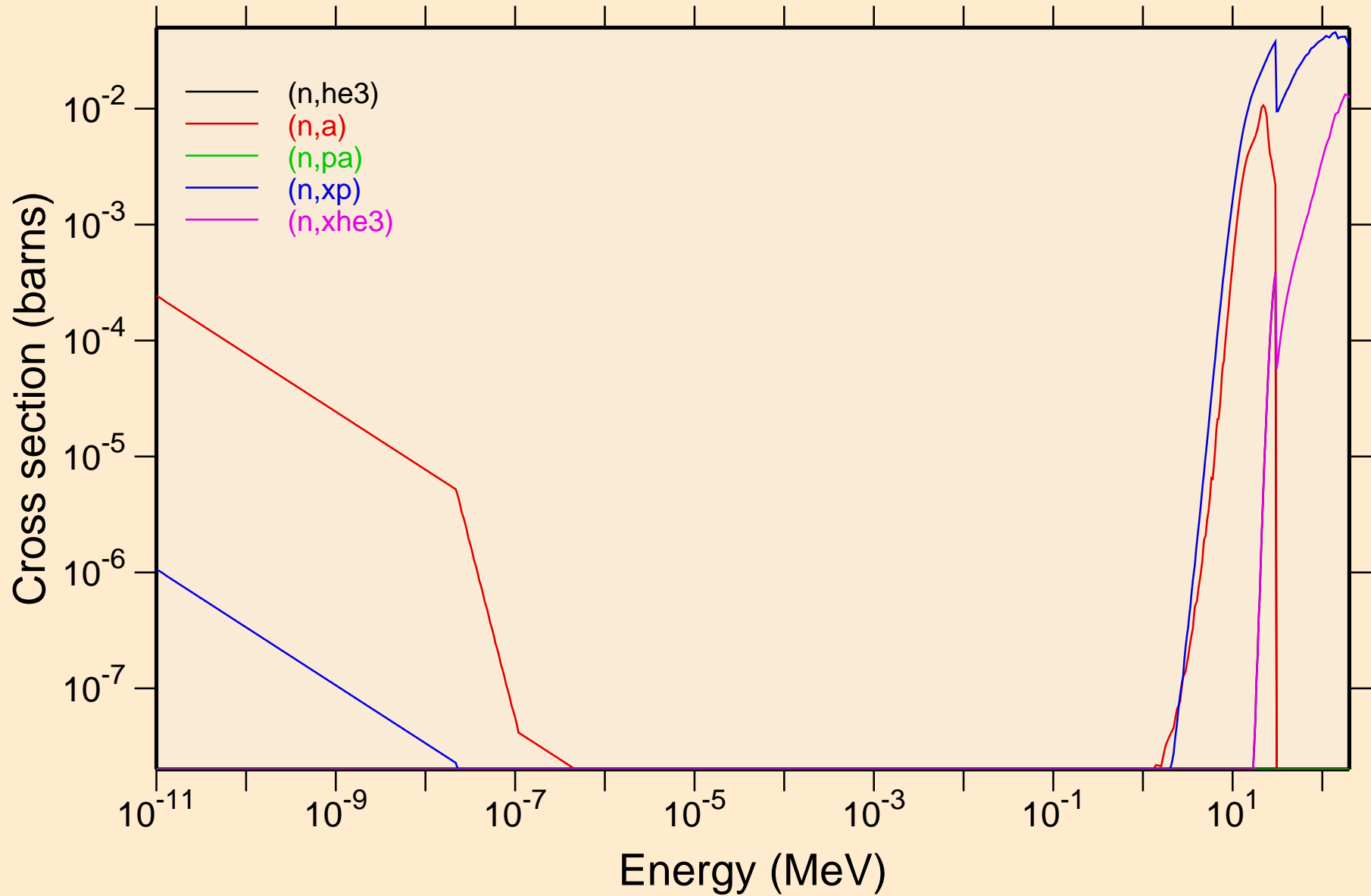
# ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

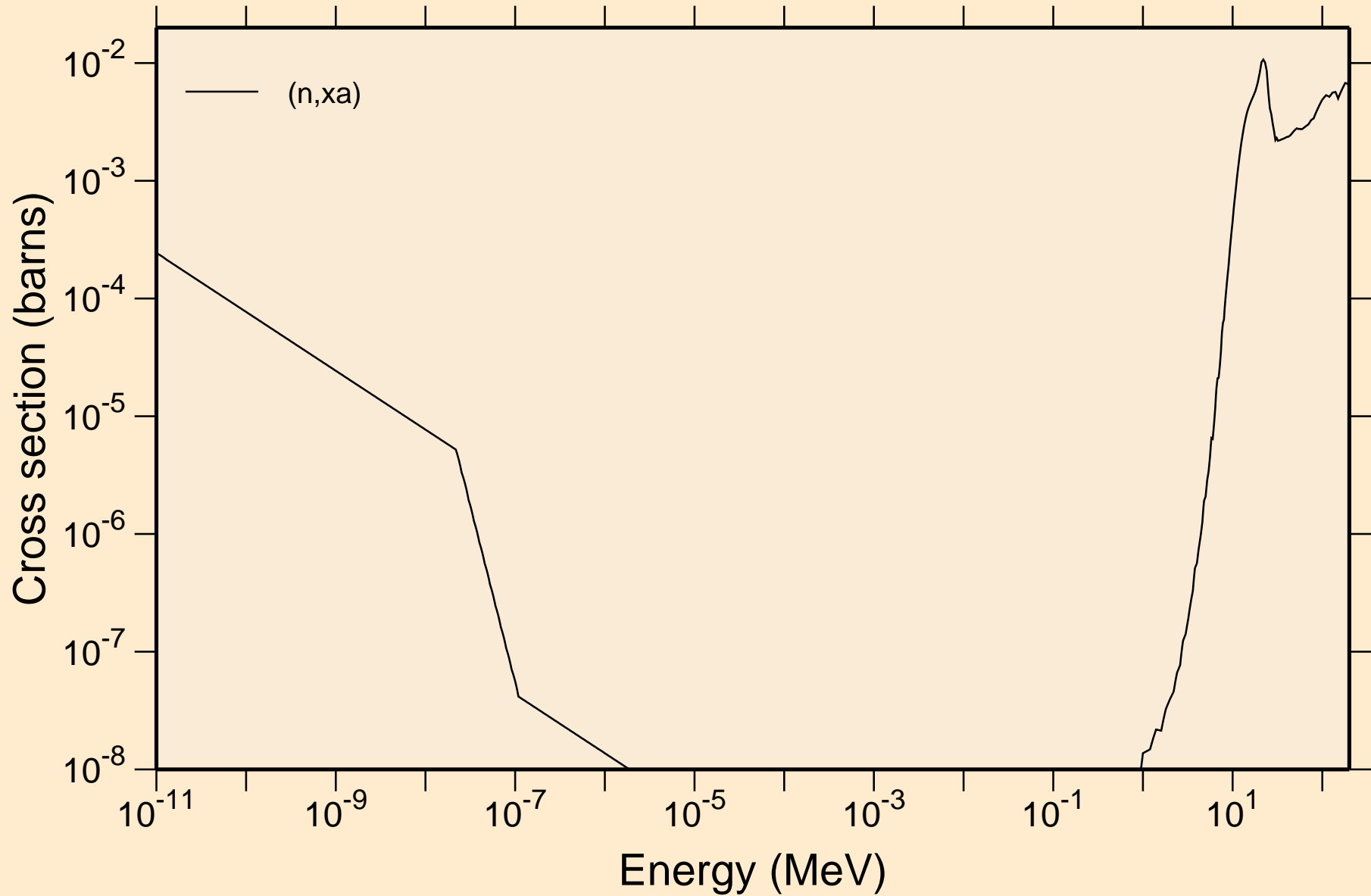


# ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

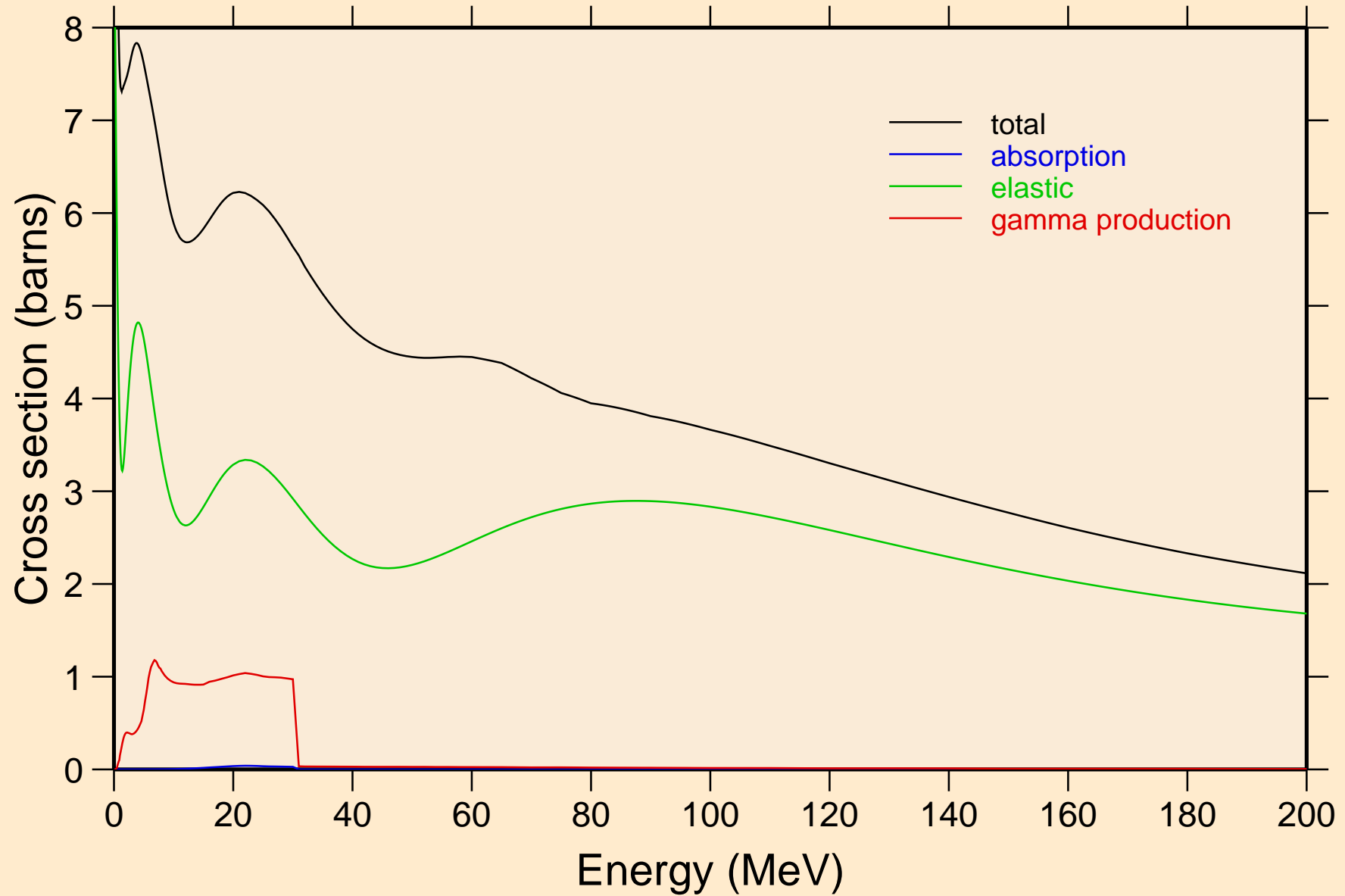


ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



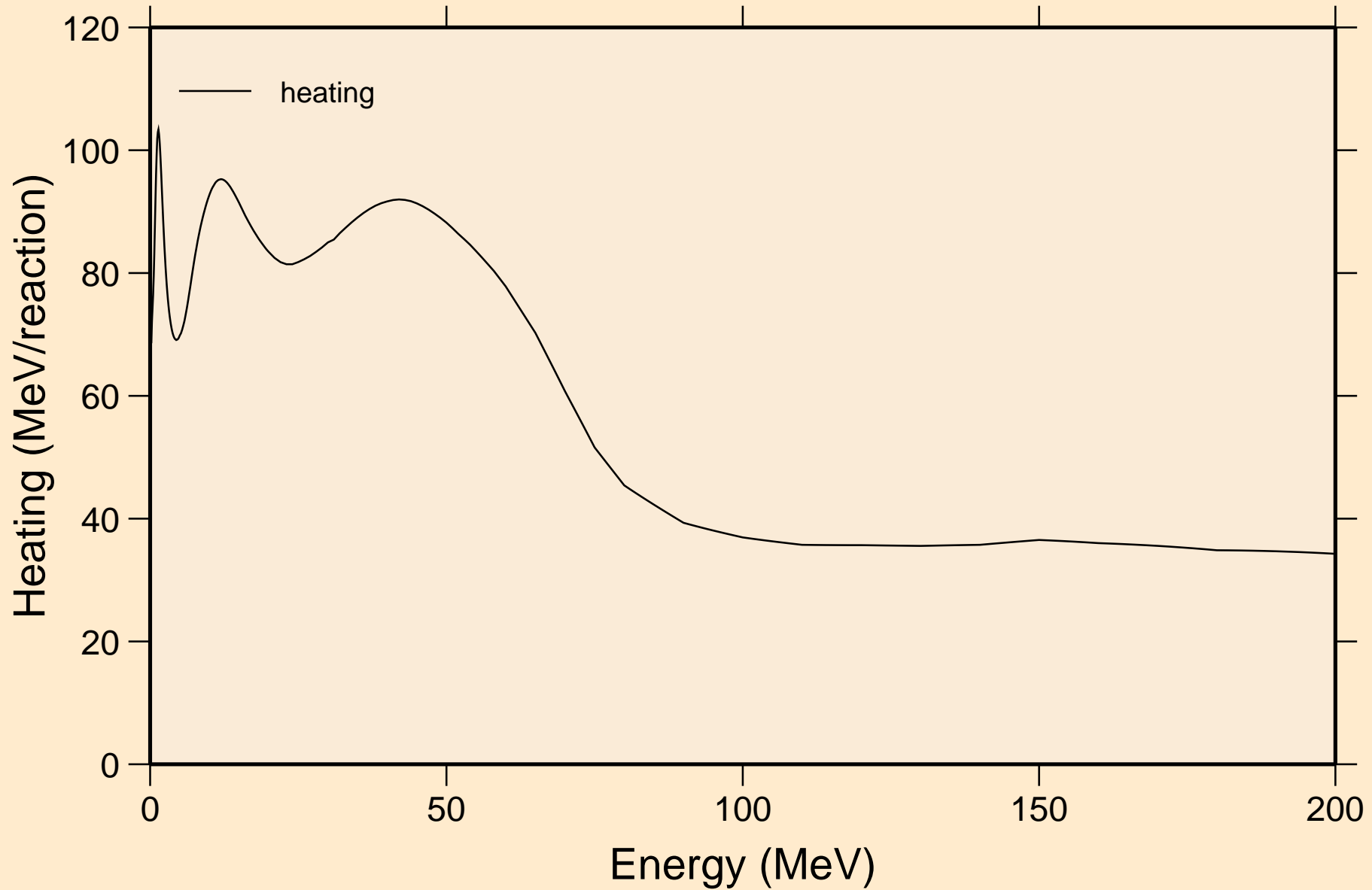
# ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

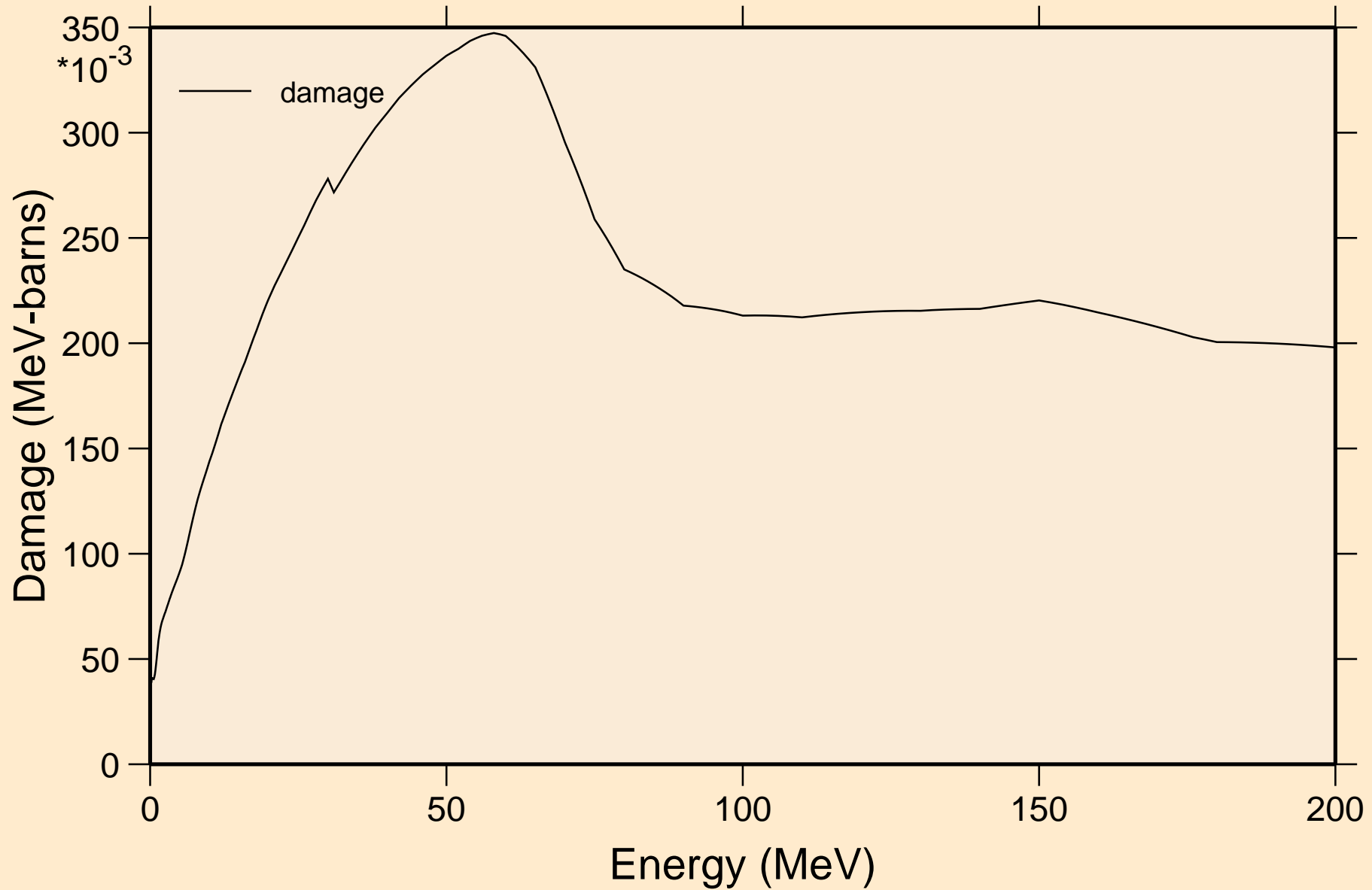


# ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

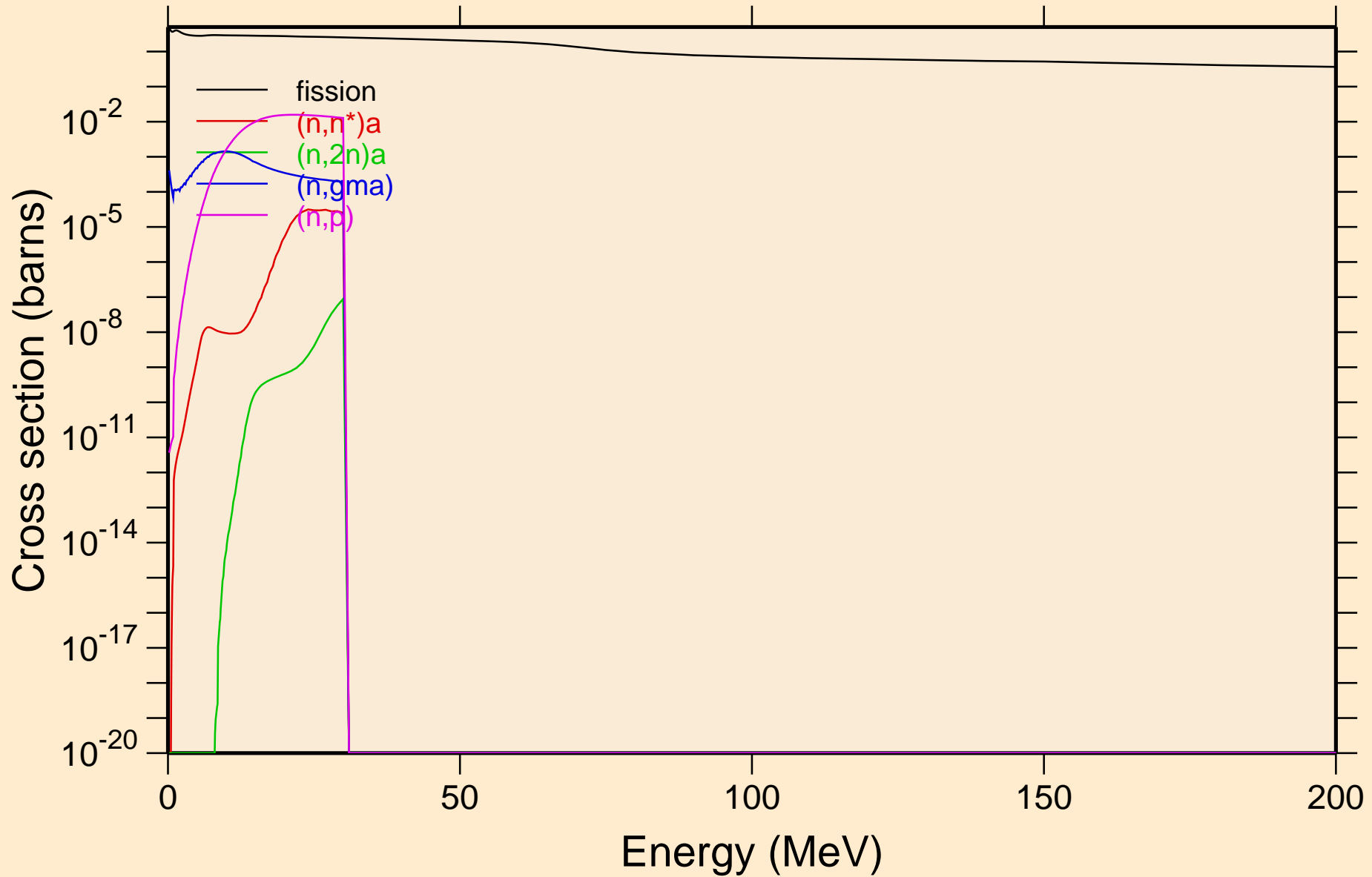


ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



# ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

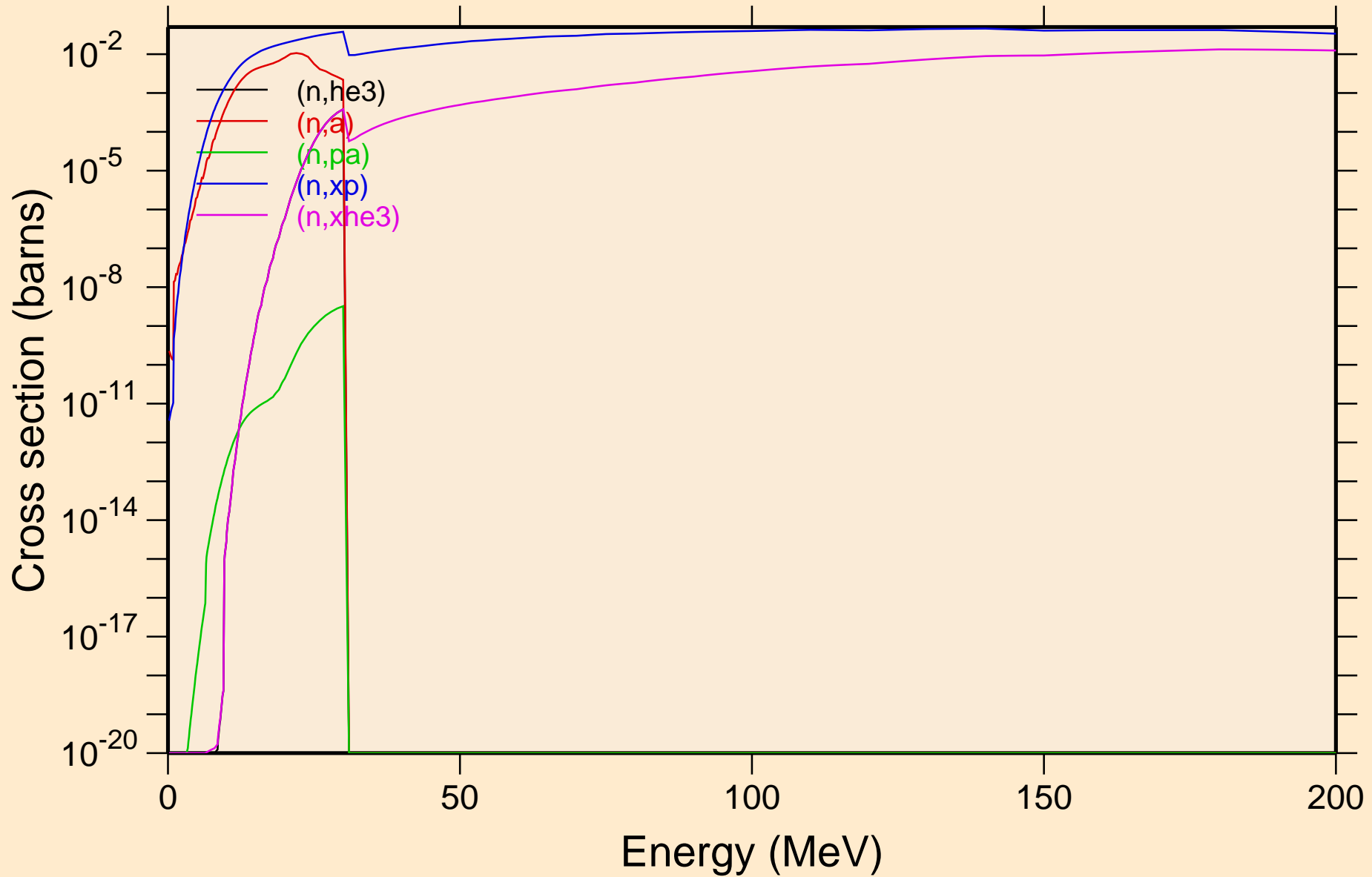
## Non-threshold reactions



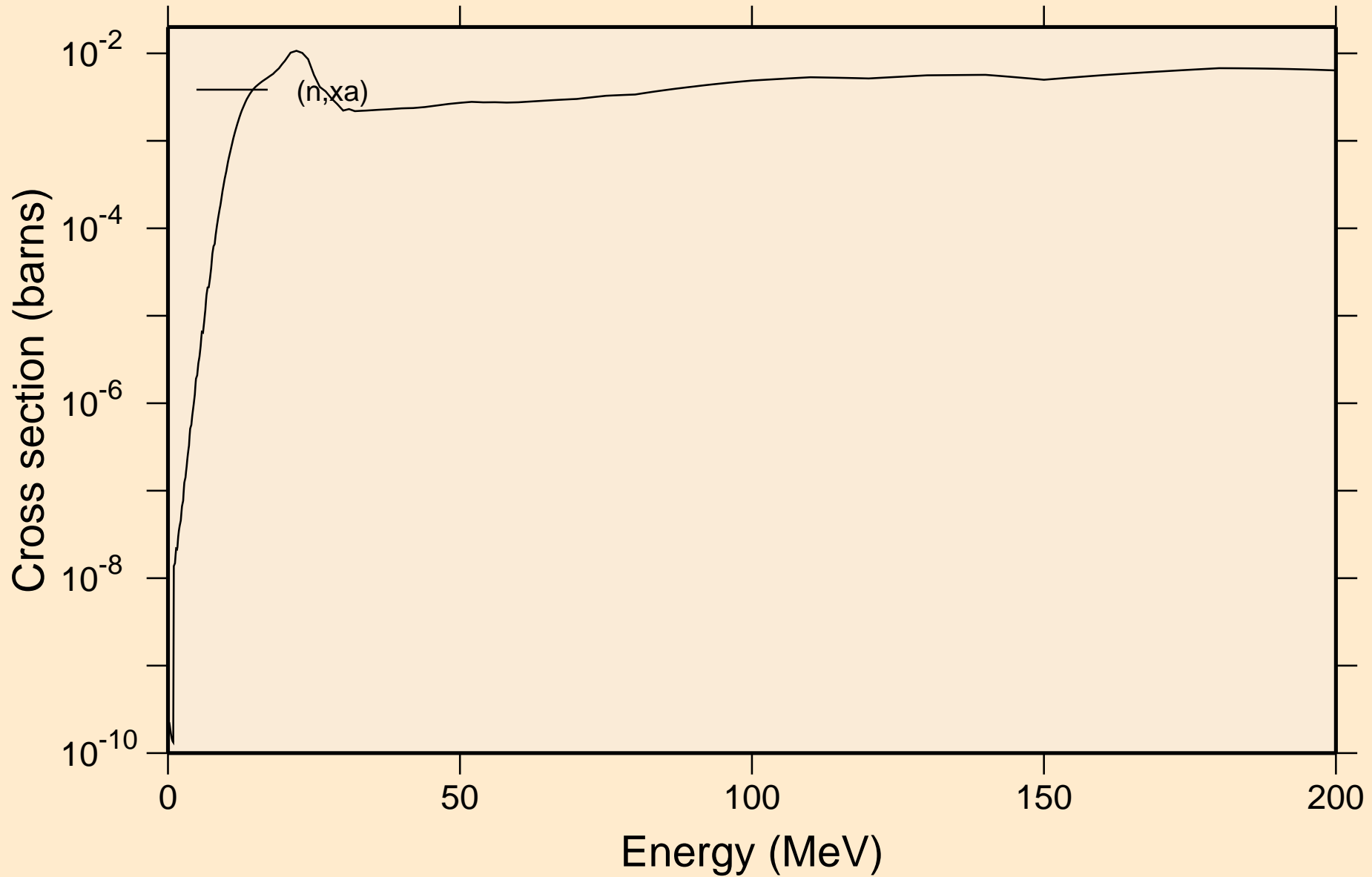


# ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

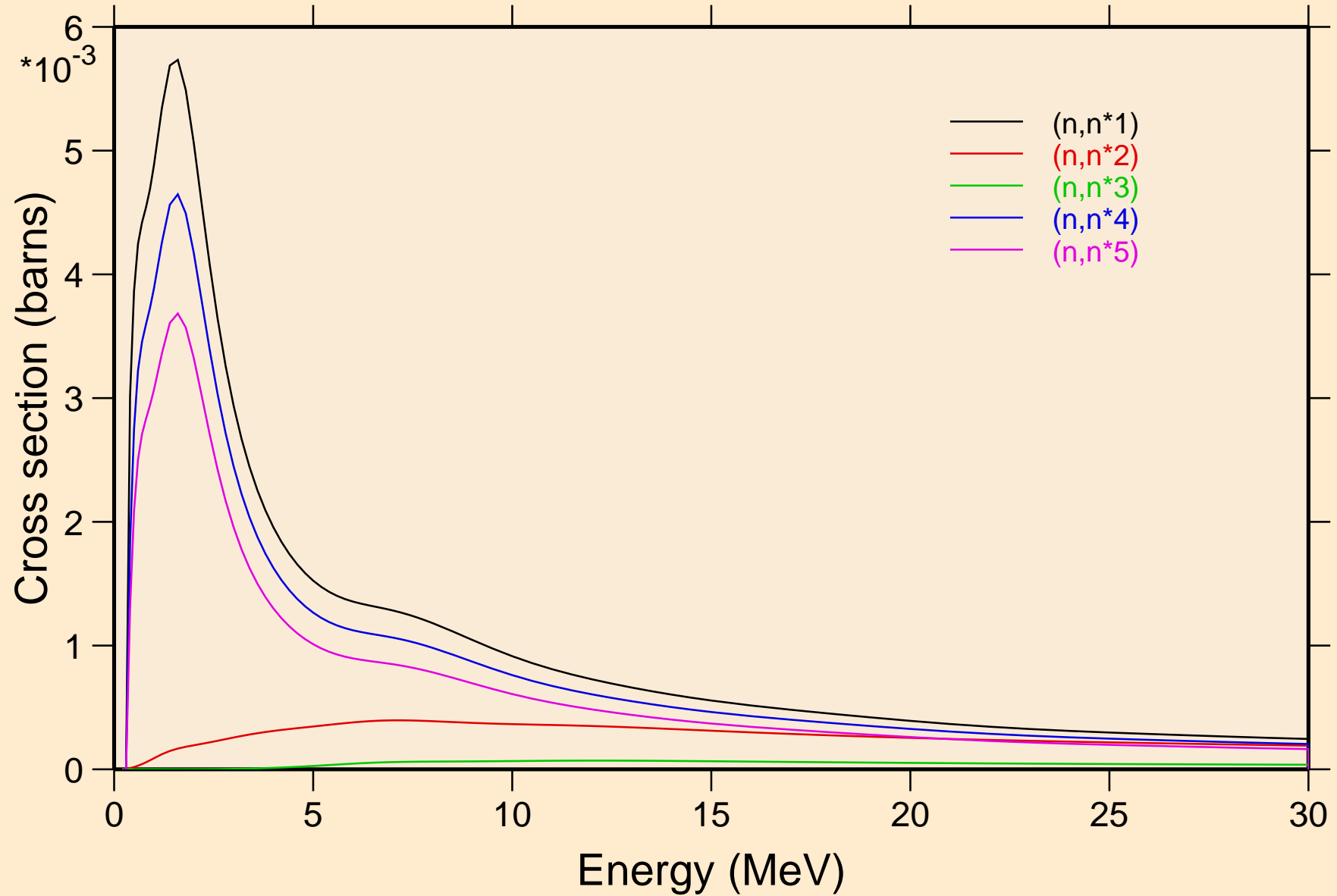
## Non-threshold reactions



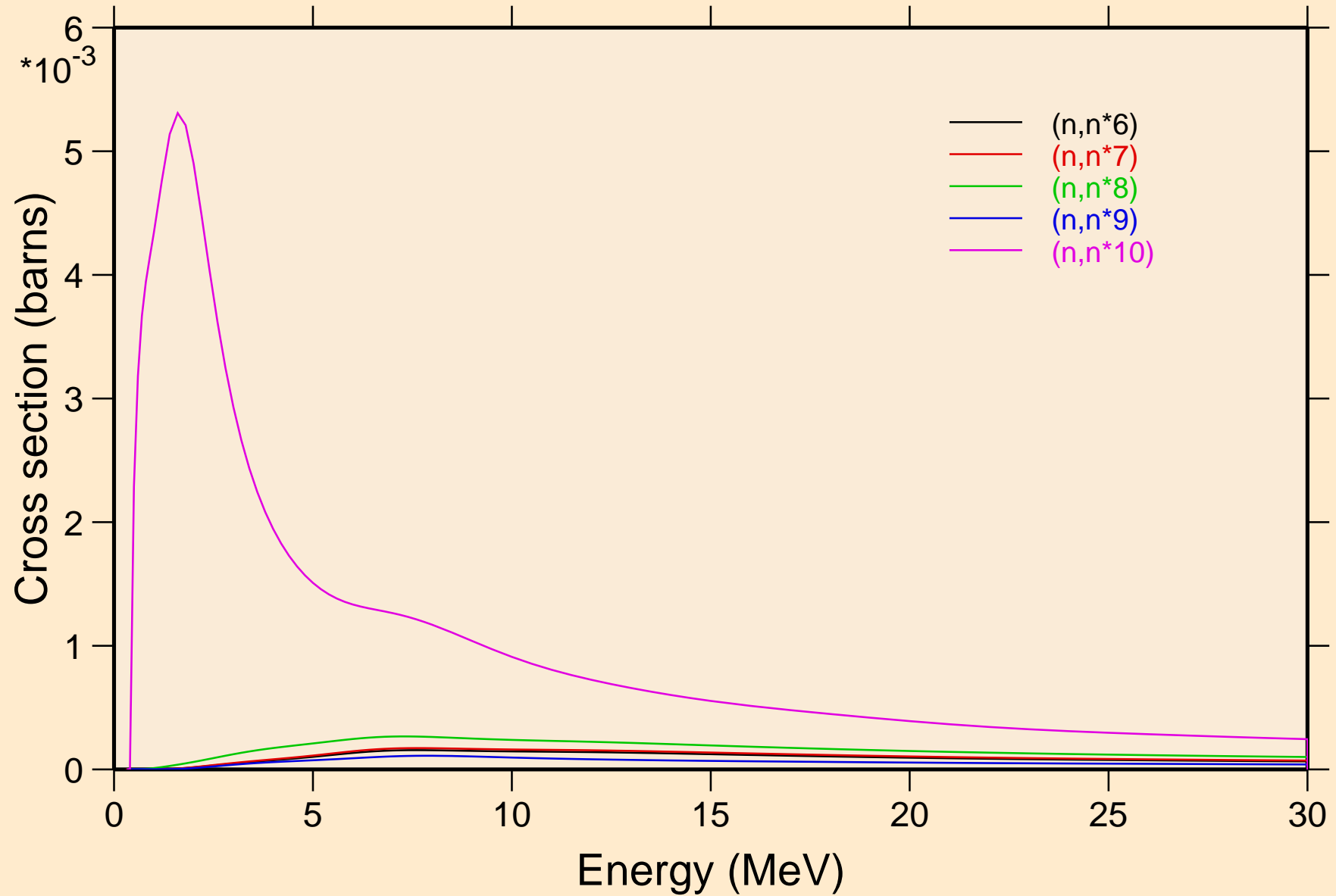
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



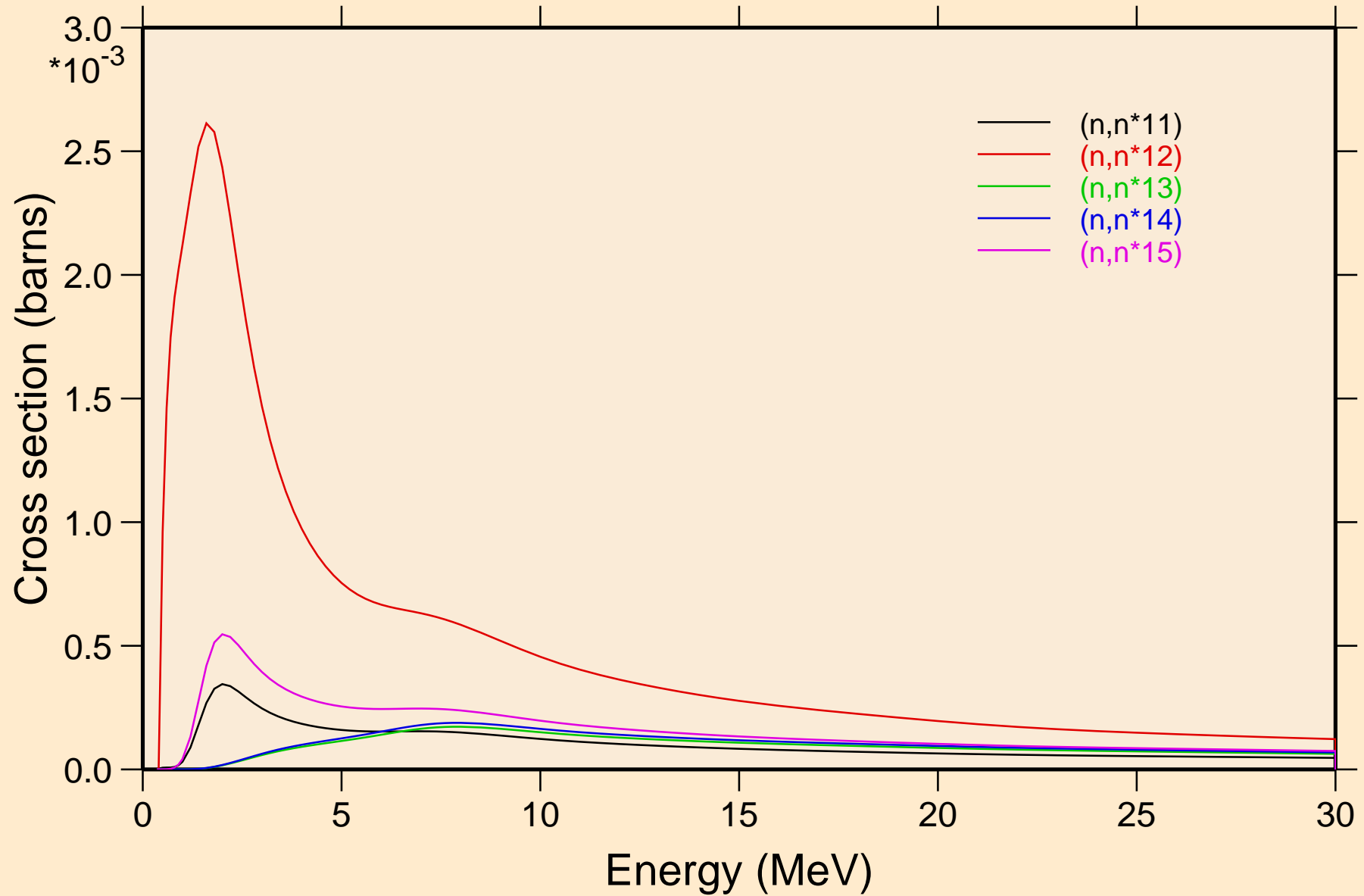
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

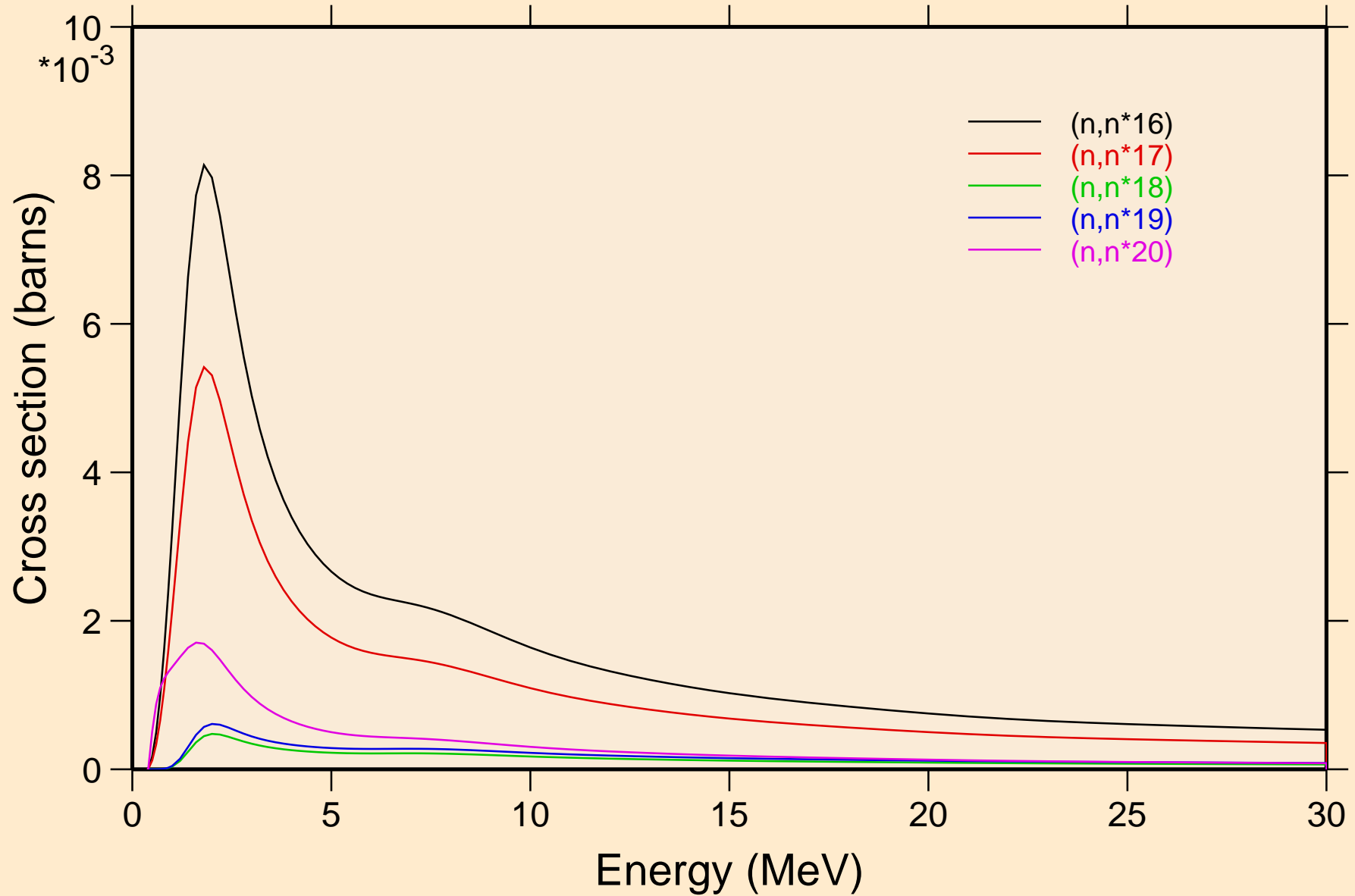


ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

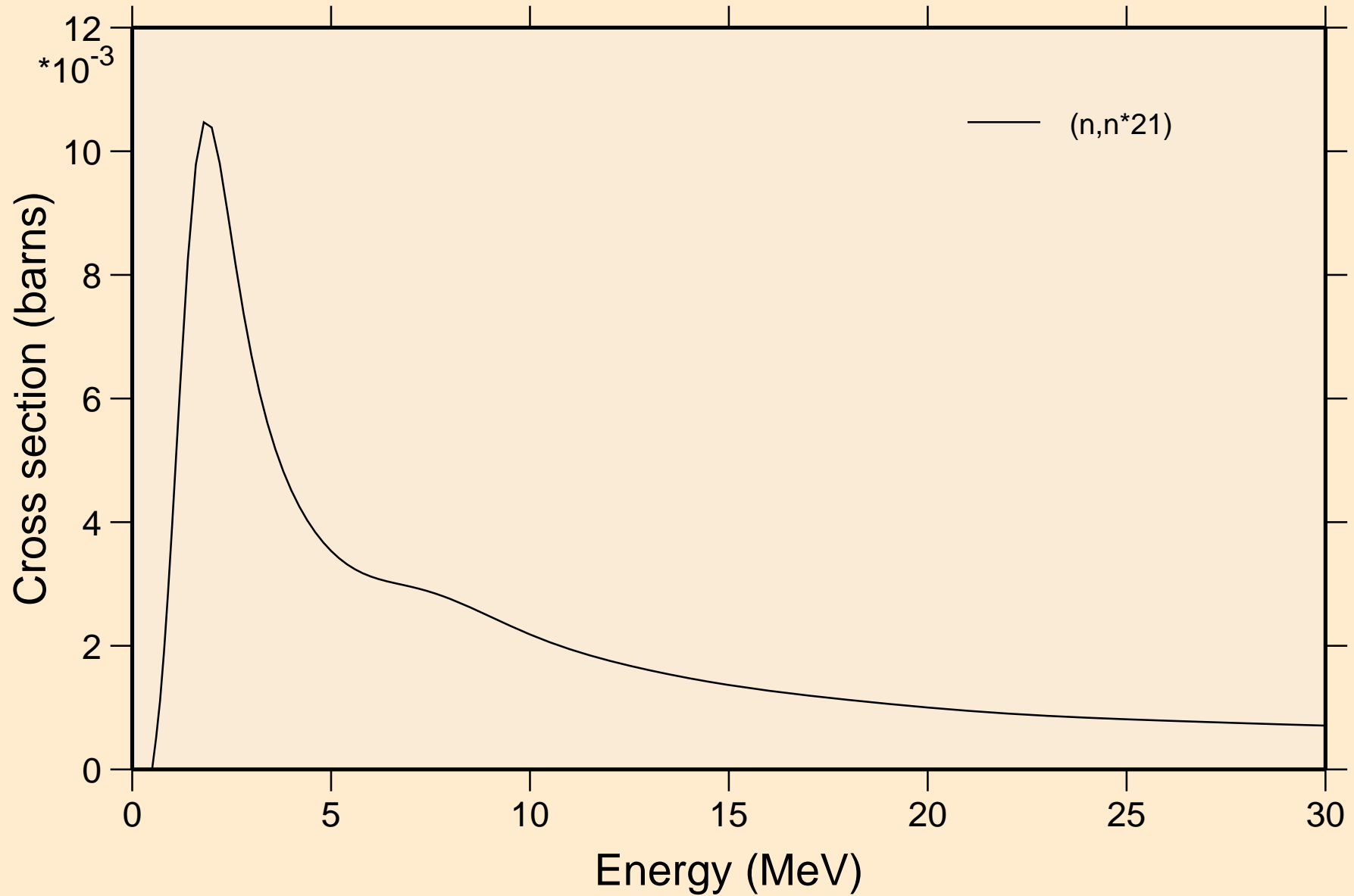


# ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels

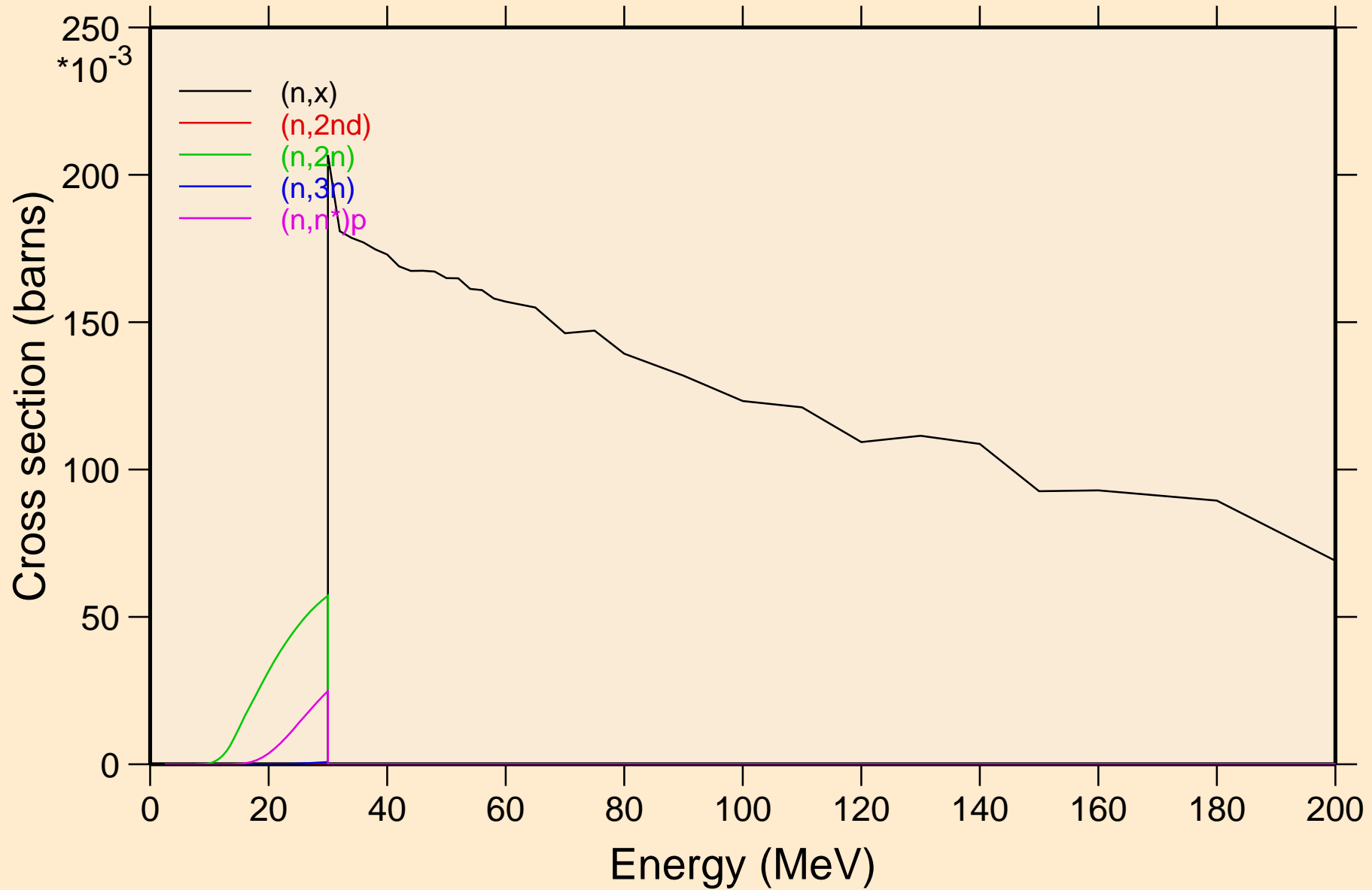


ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



# ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

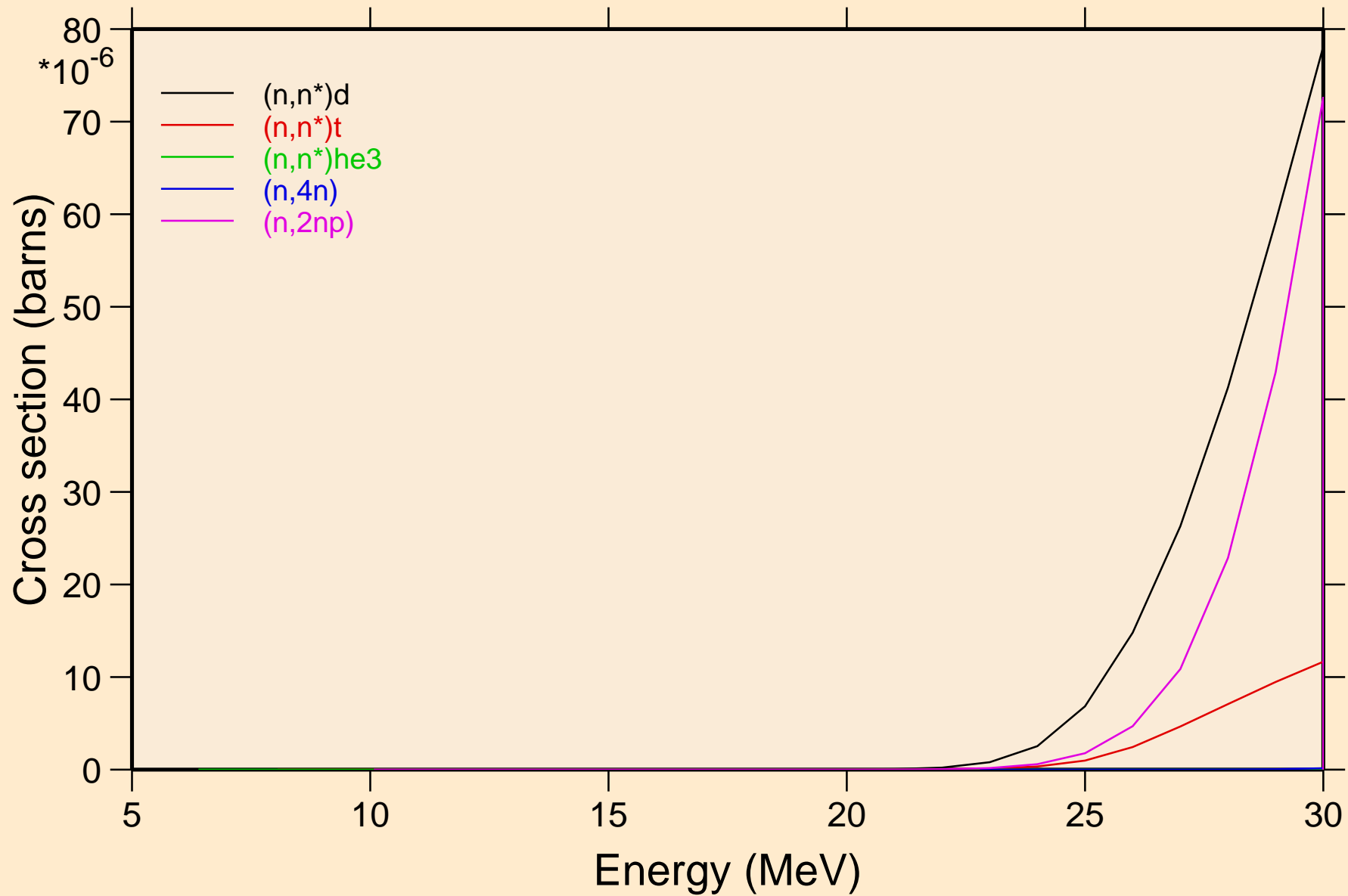
## Threshold reactions





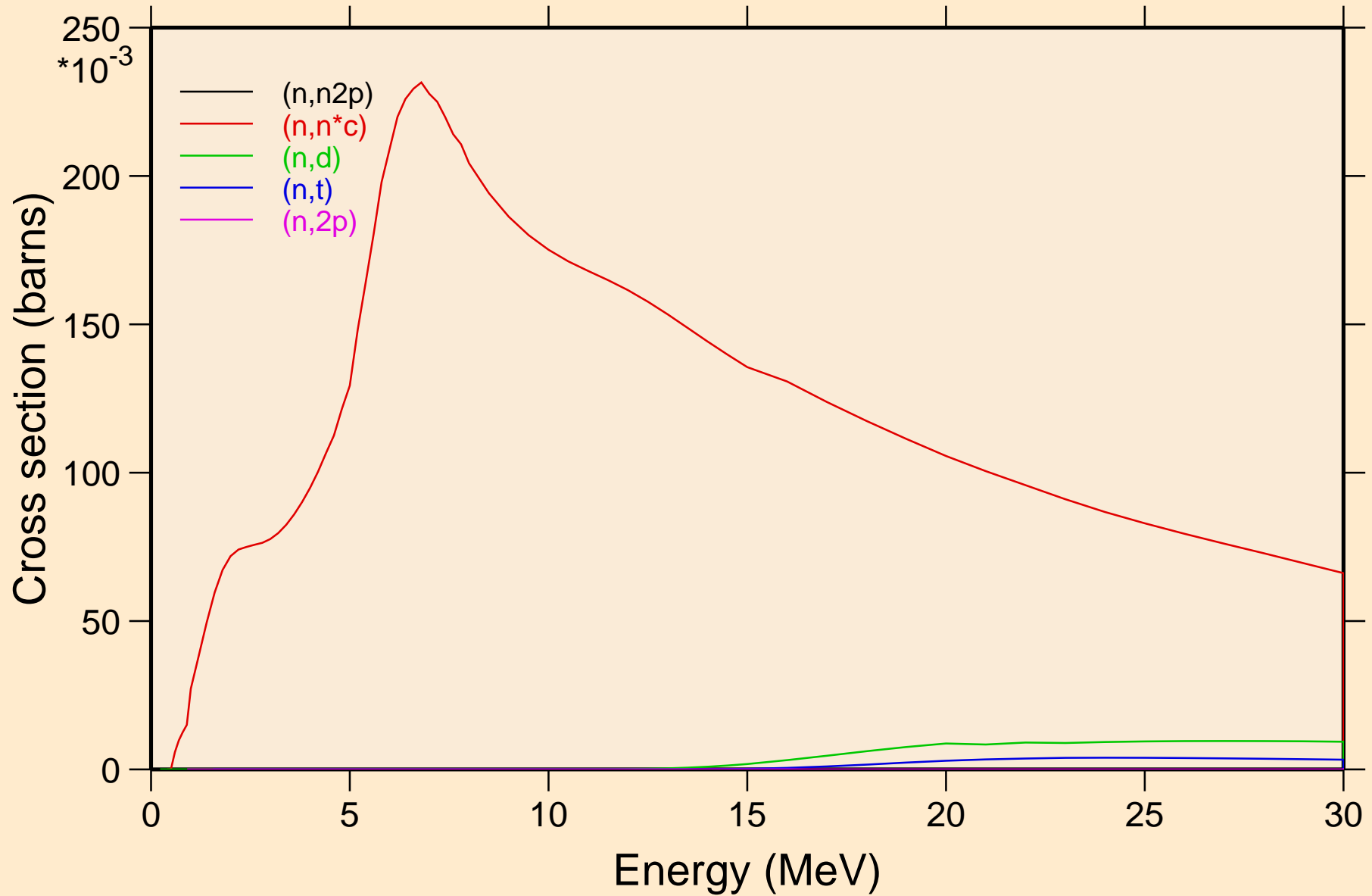
# ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

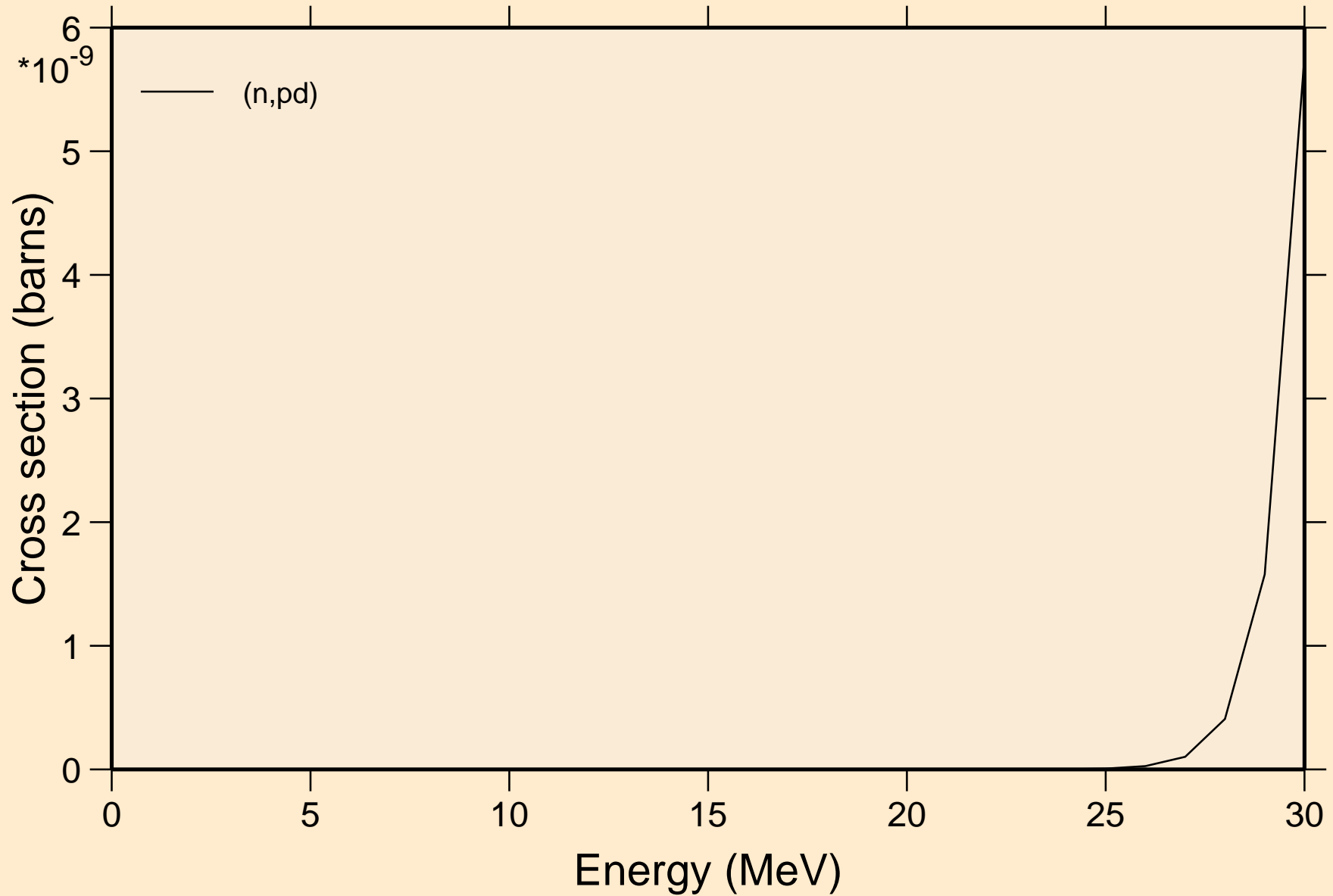


# ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

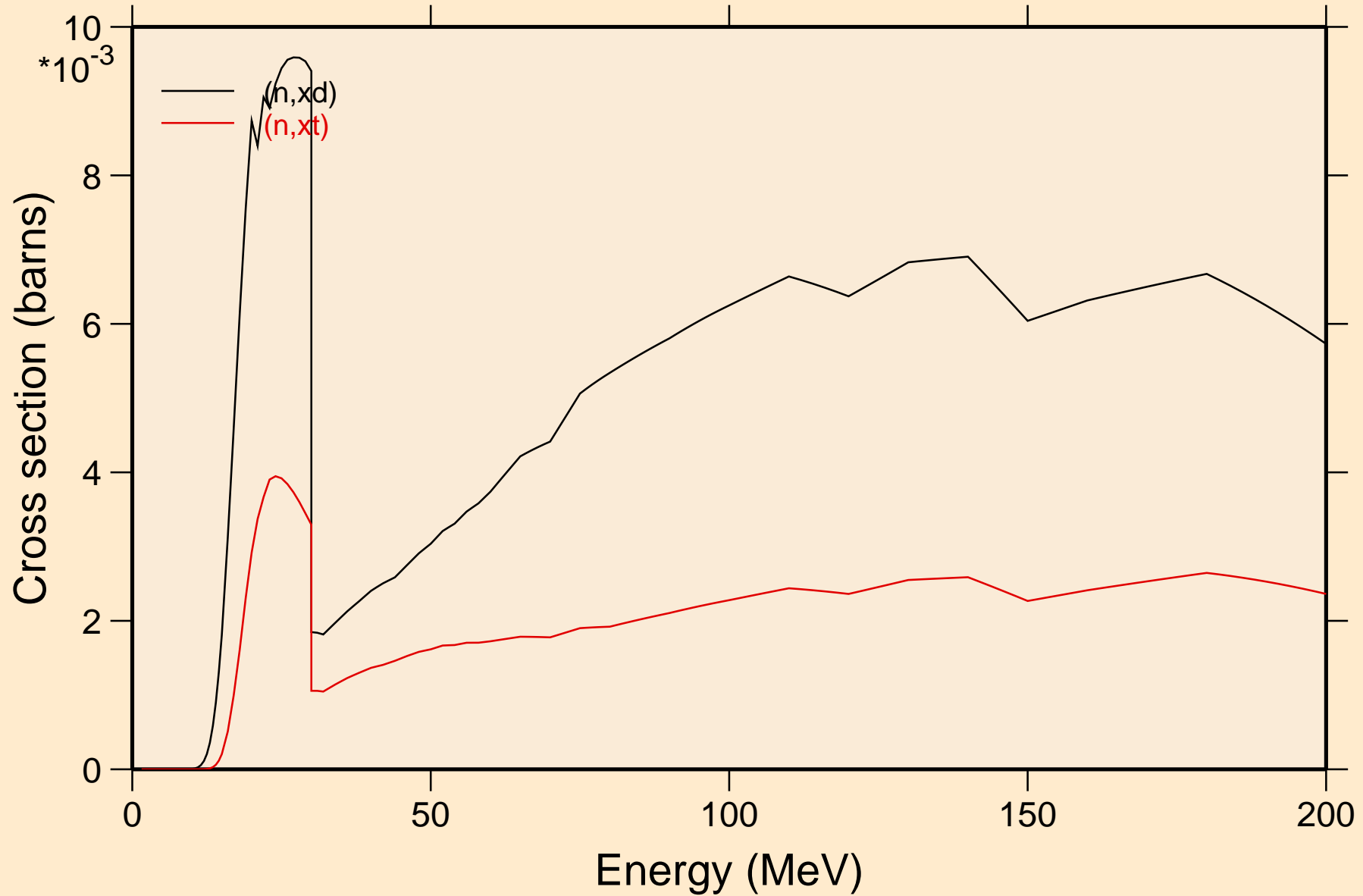


ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

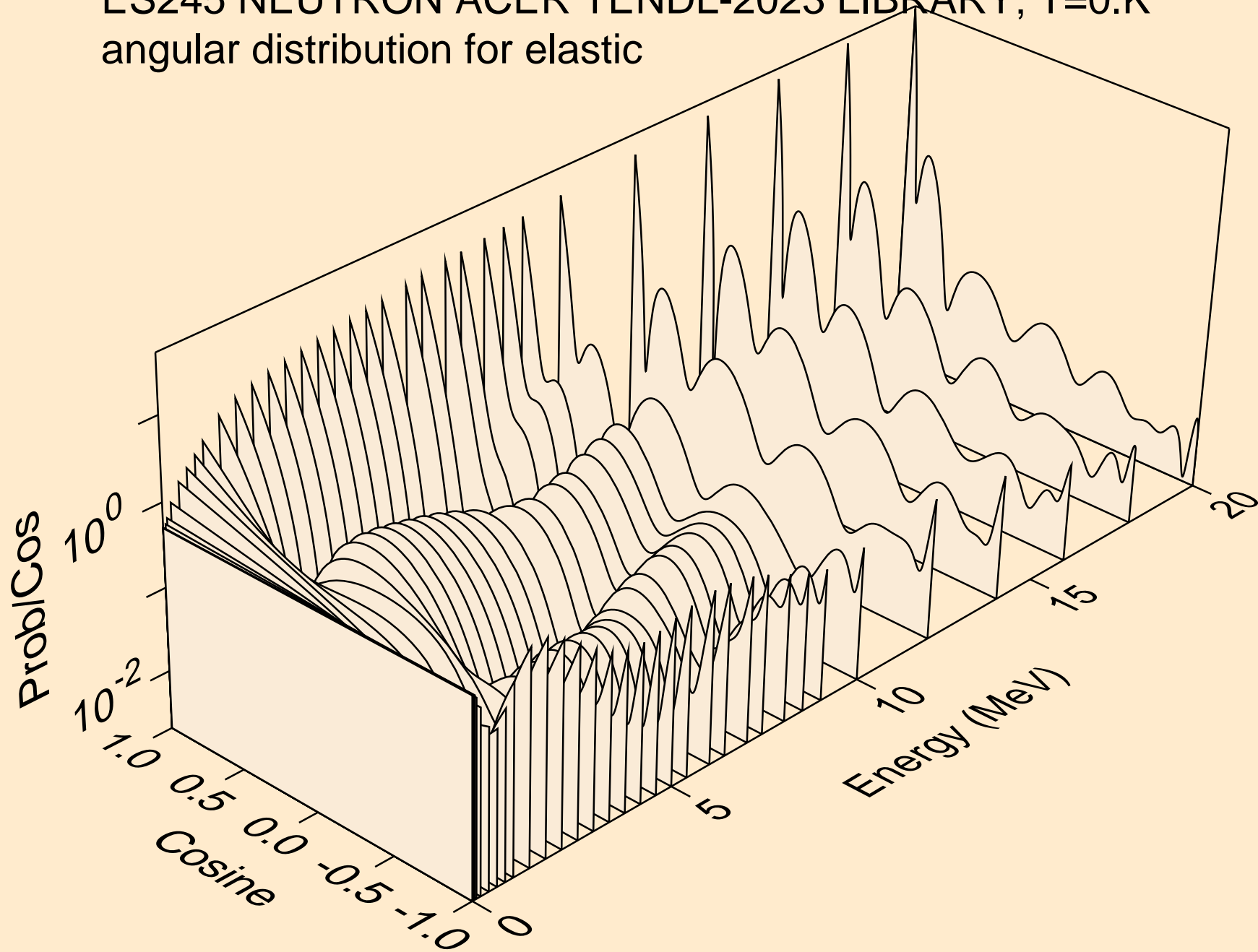


# ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

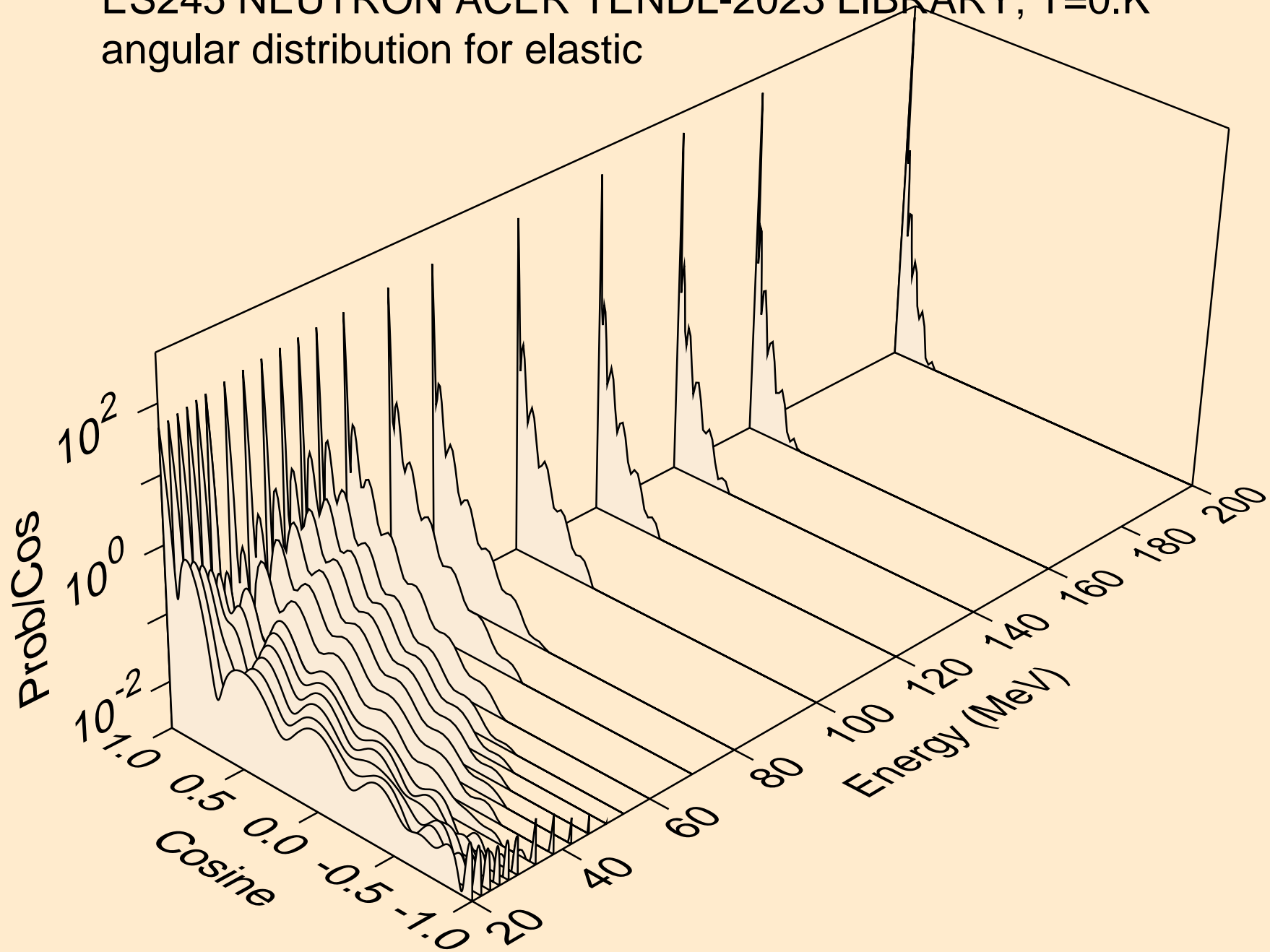
## Threshold reactions



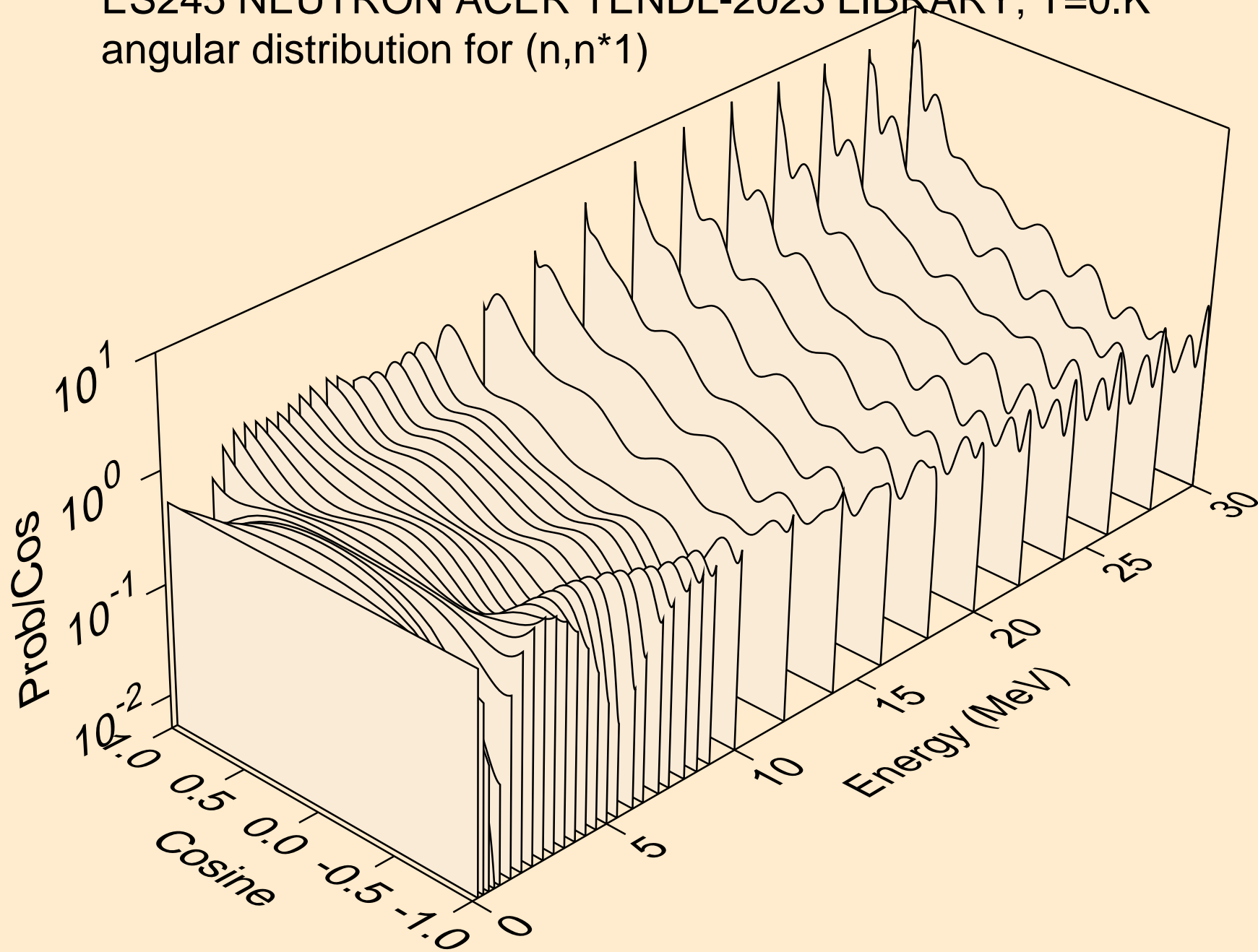
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



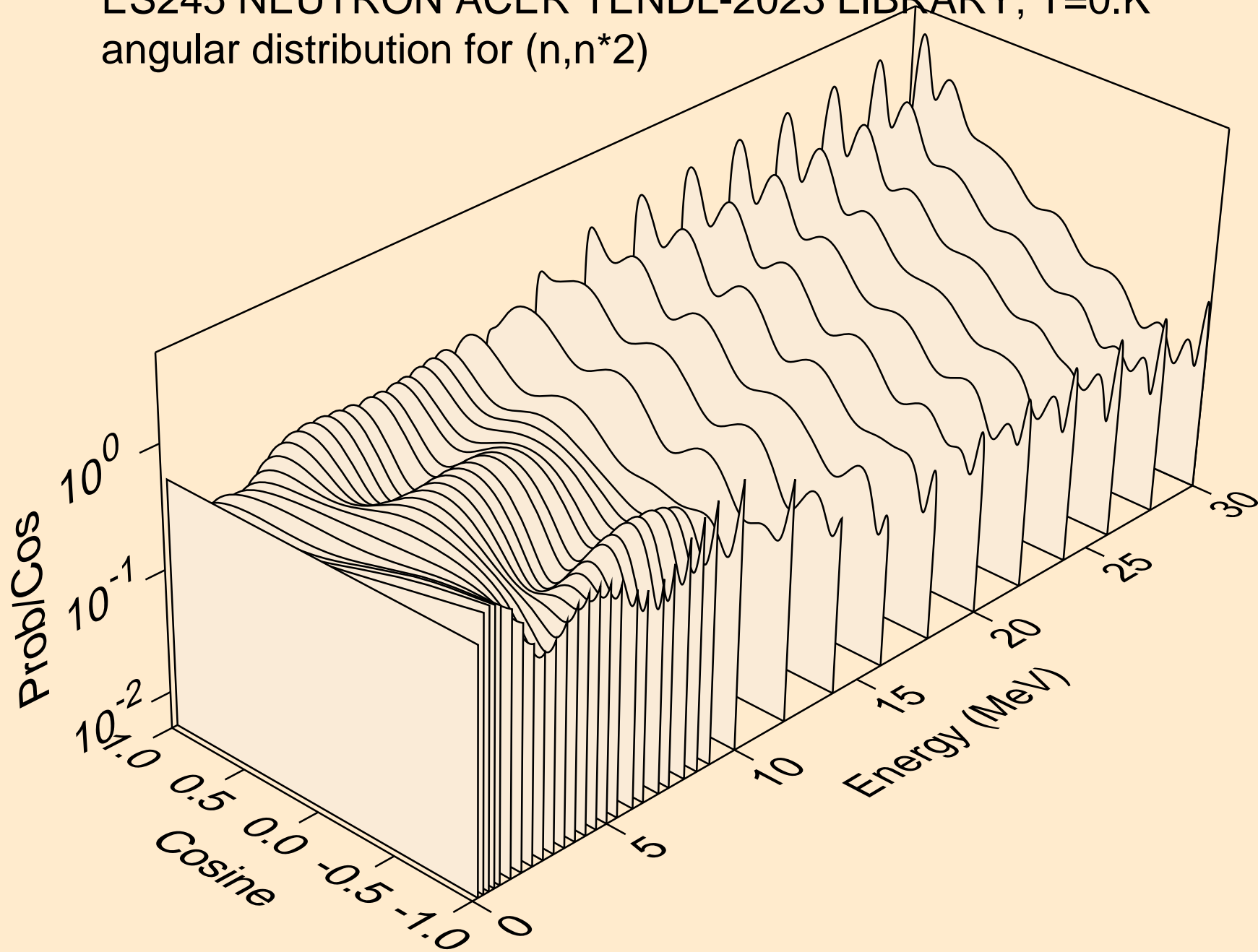
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

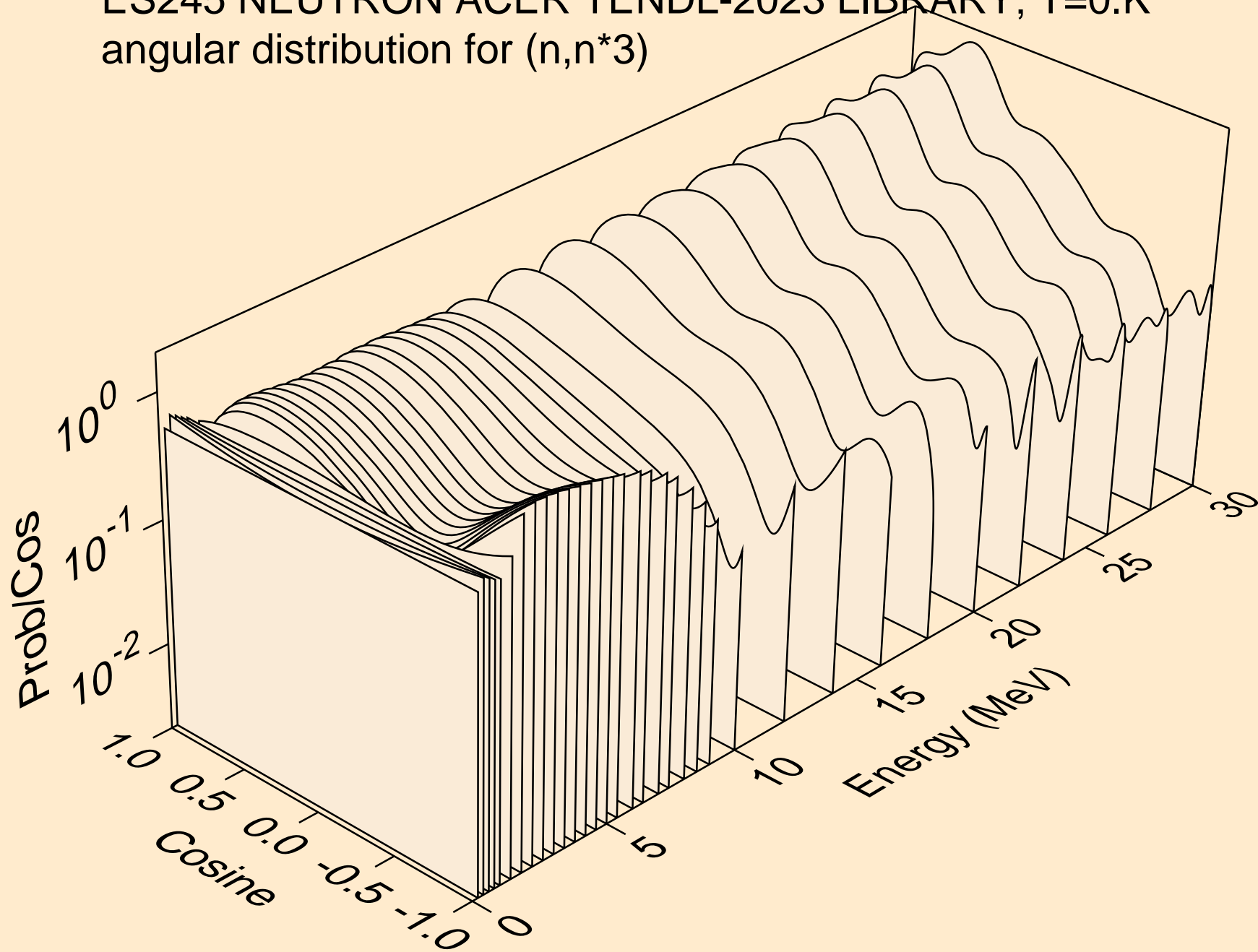


ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

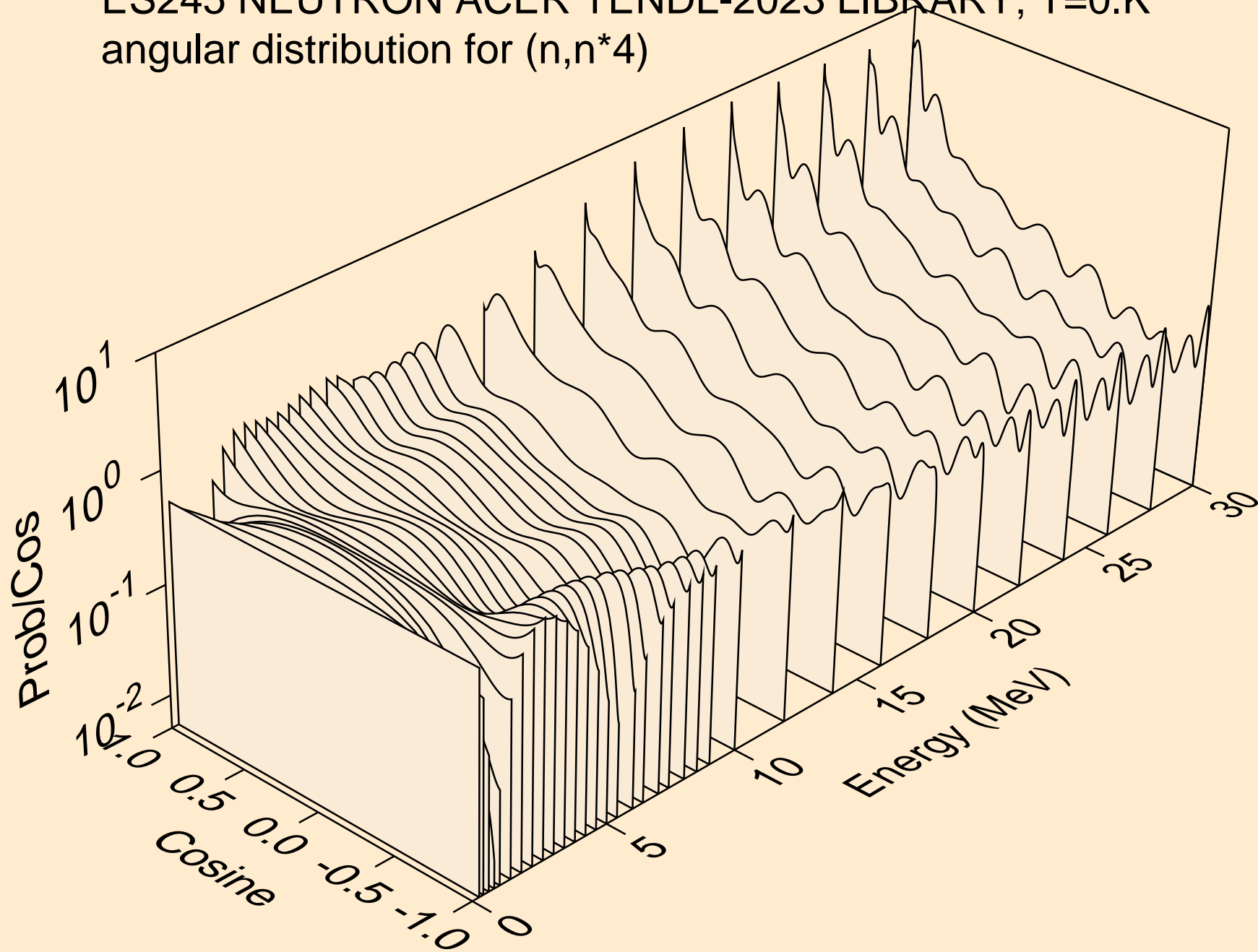




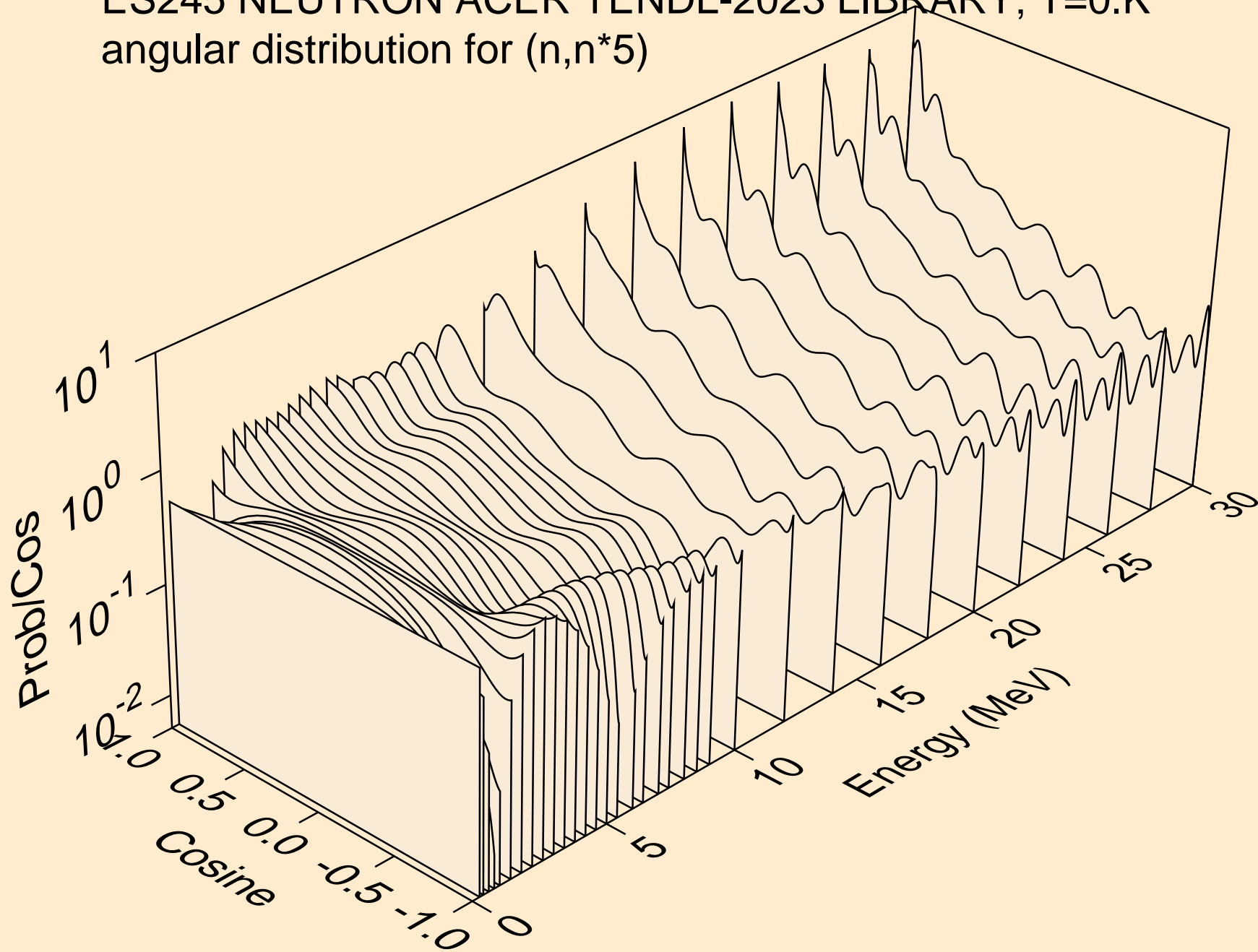
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



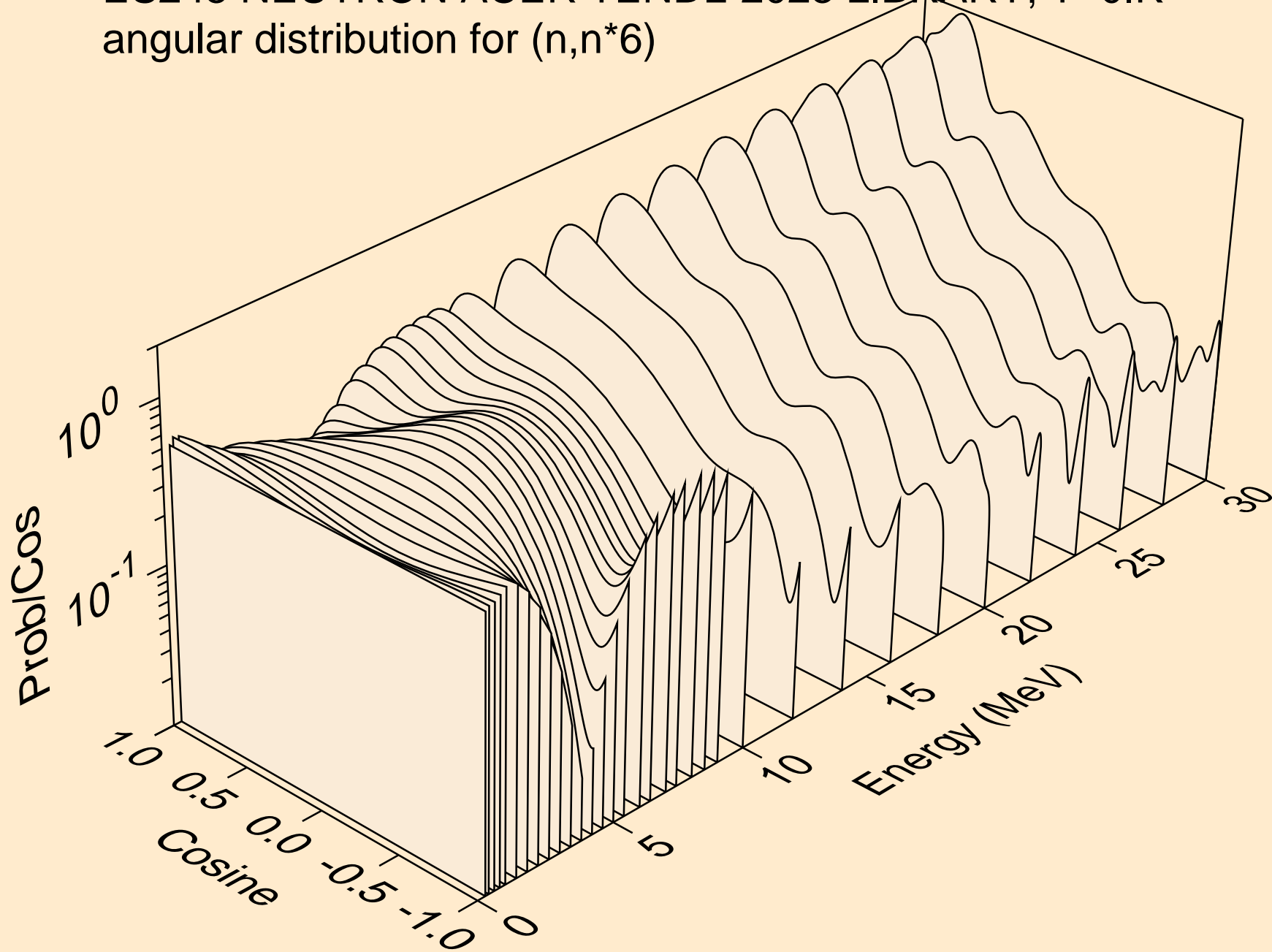
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



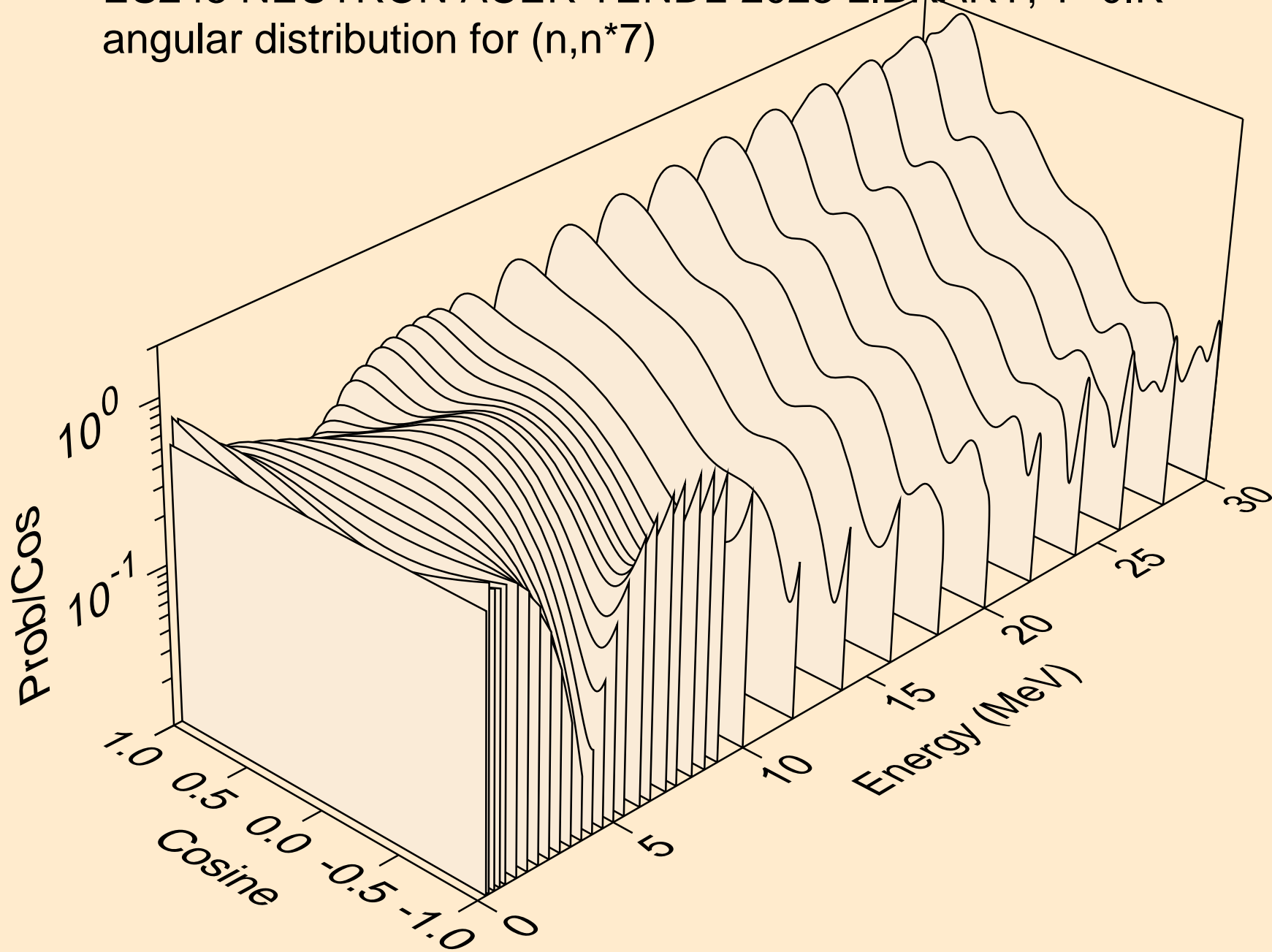
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



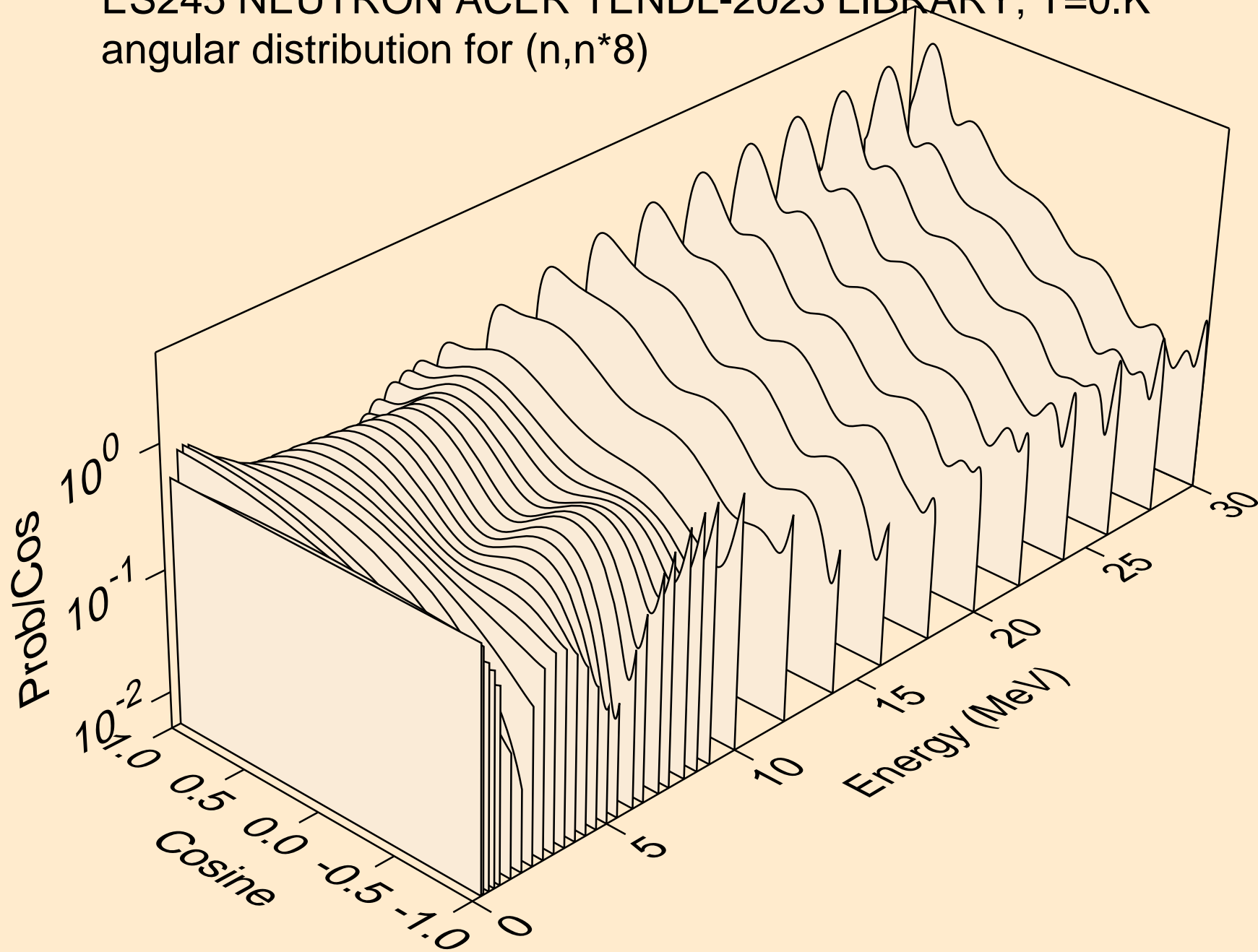
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



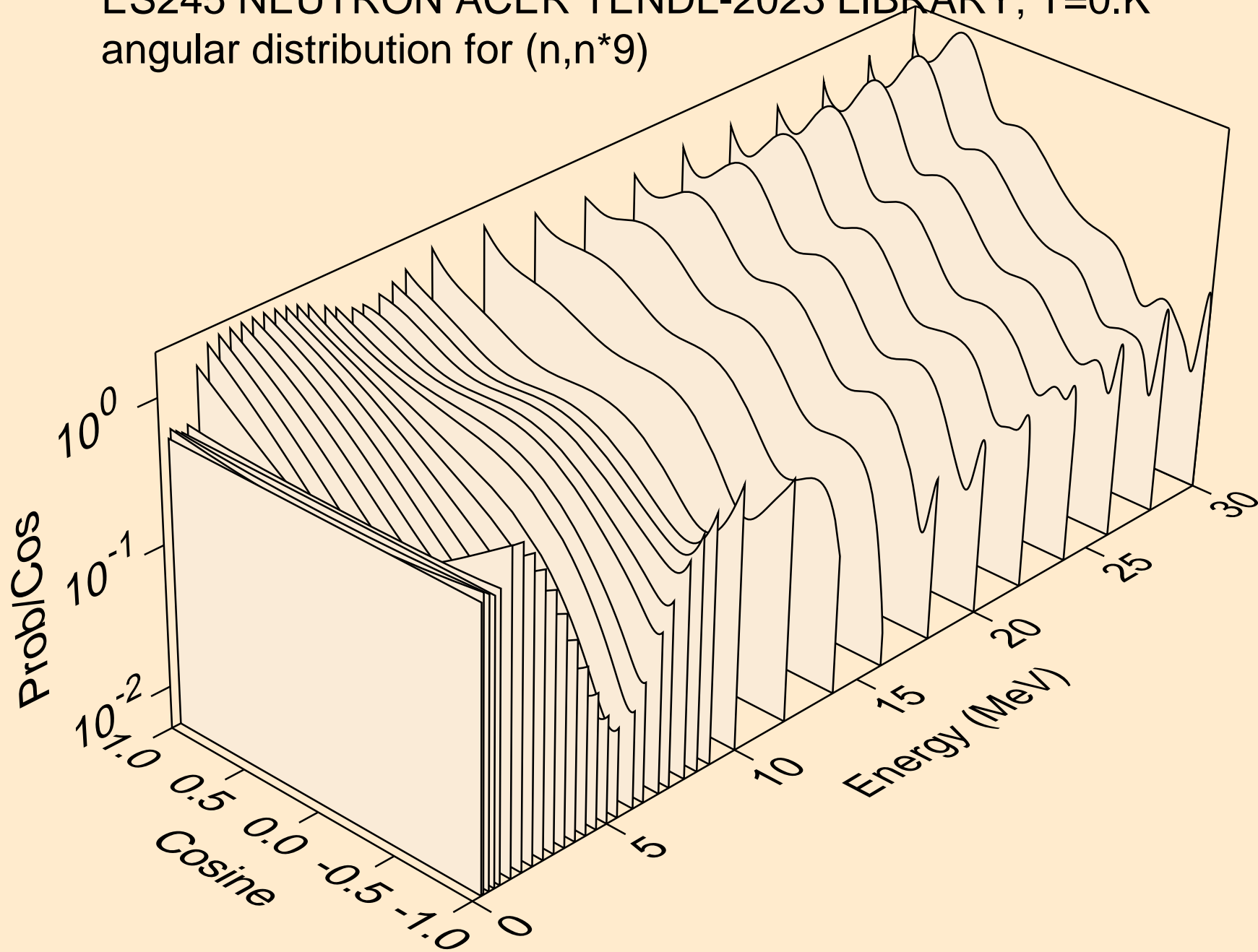
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



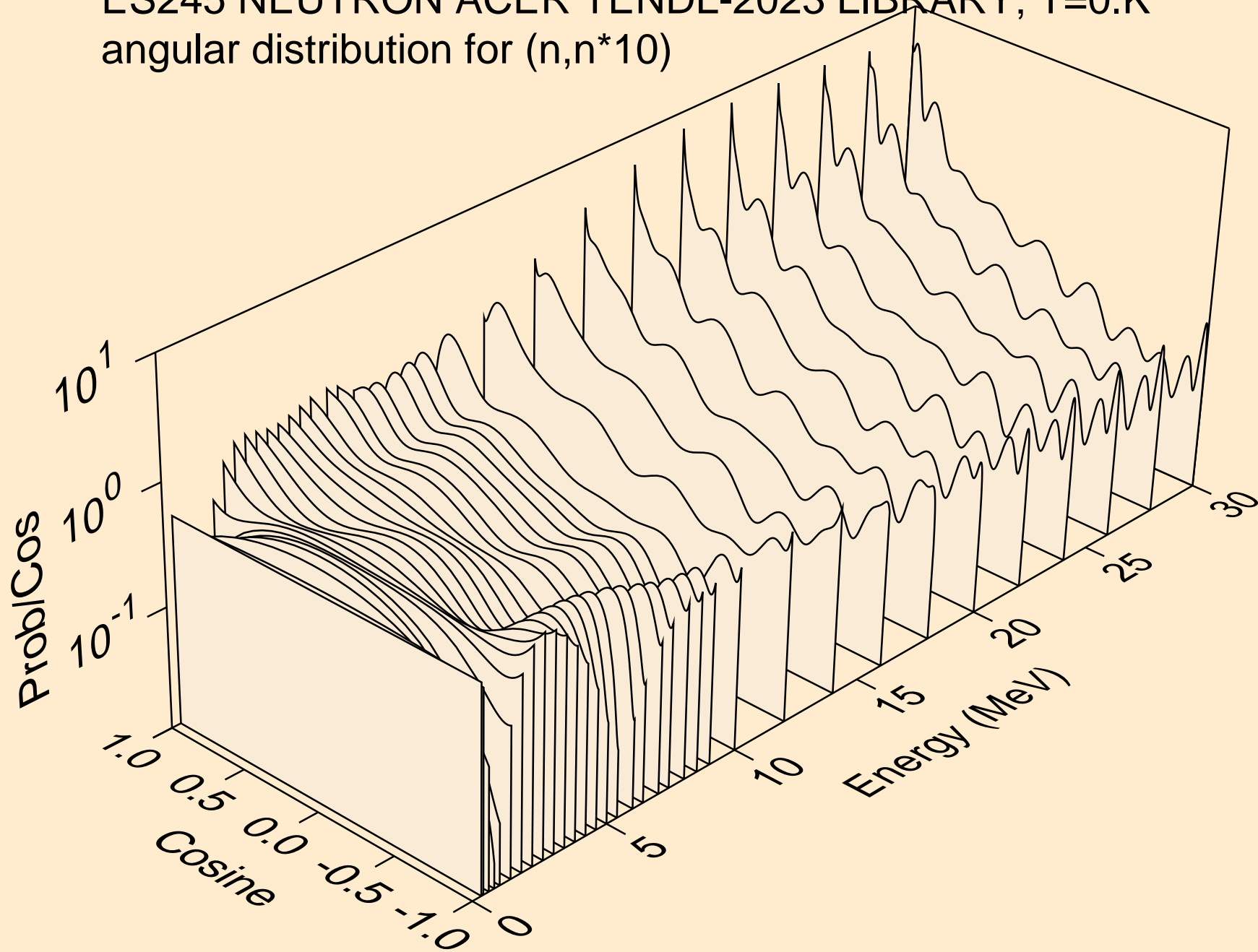
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

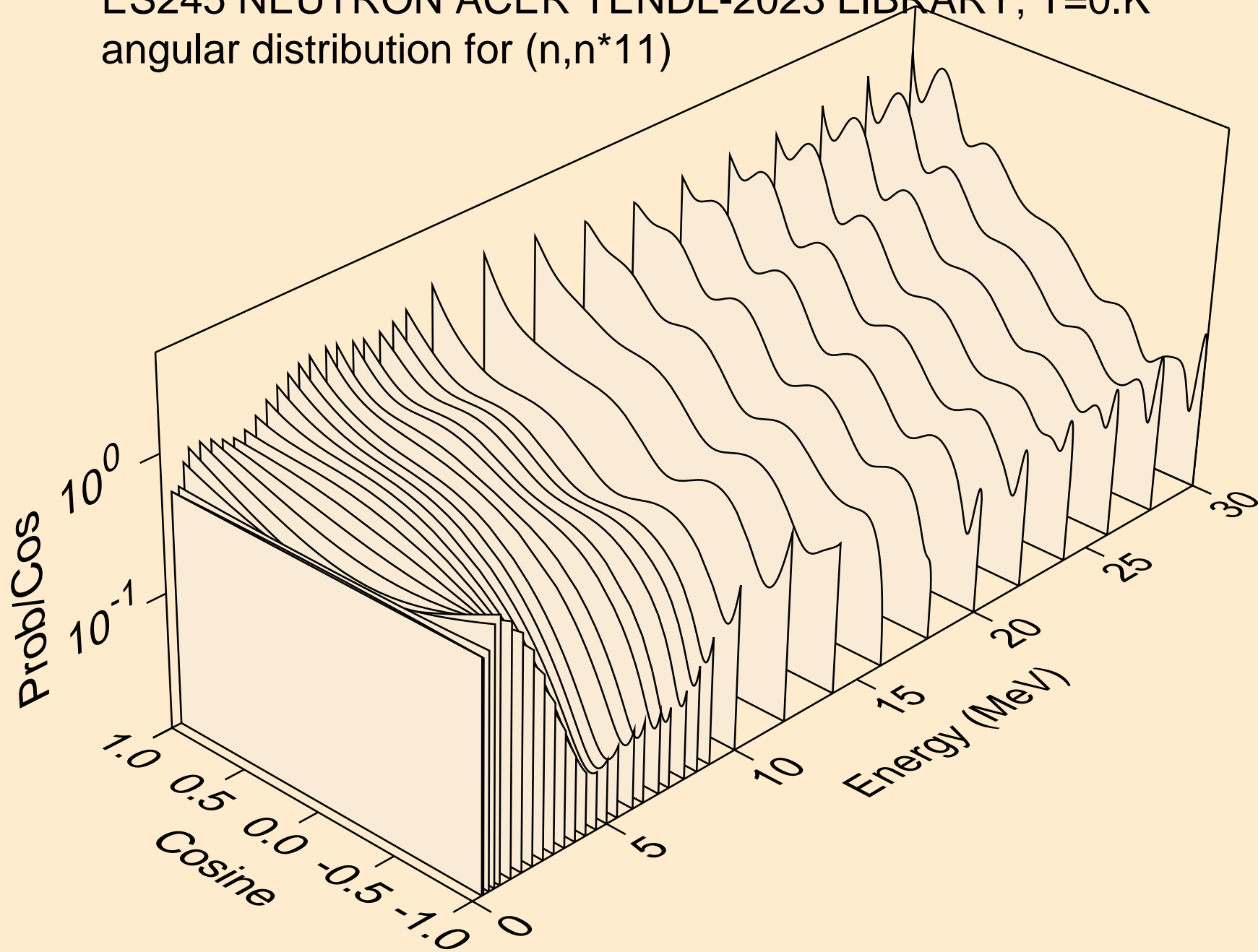


ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

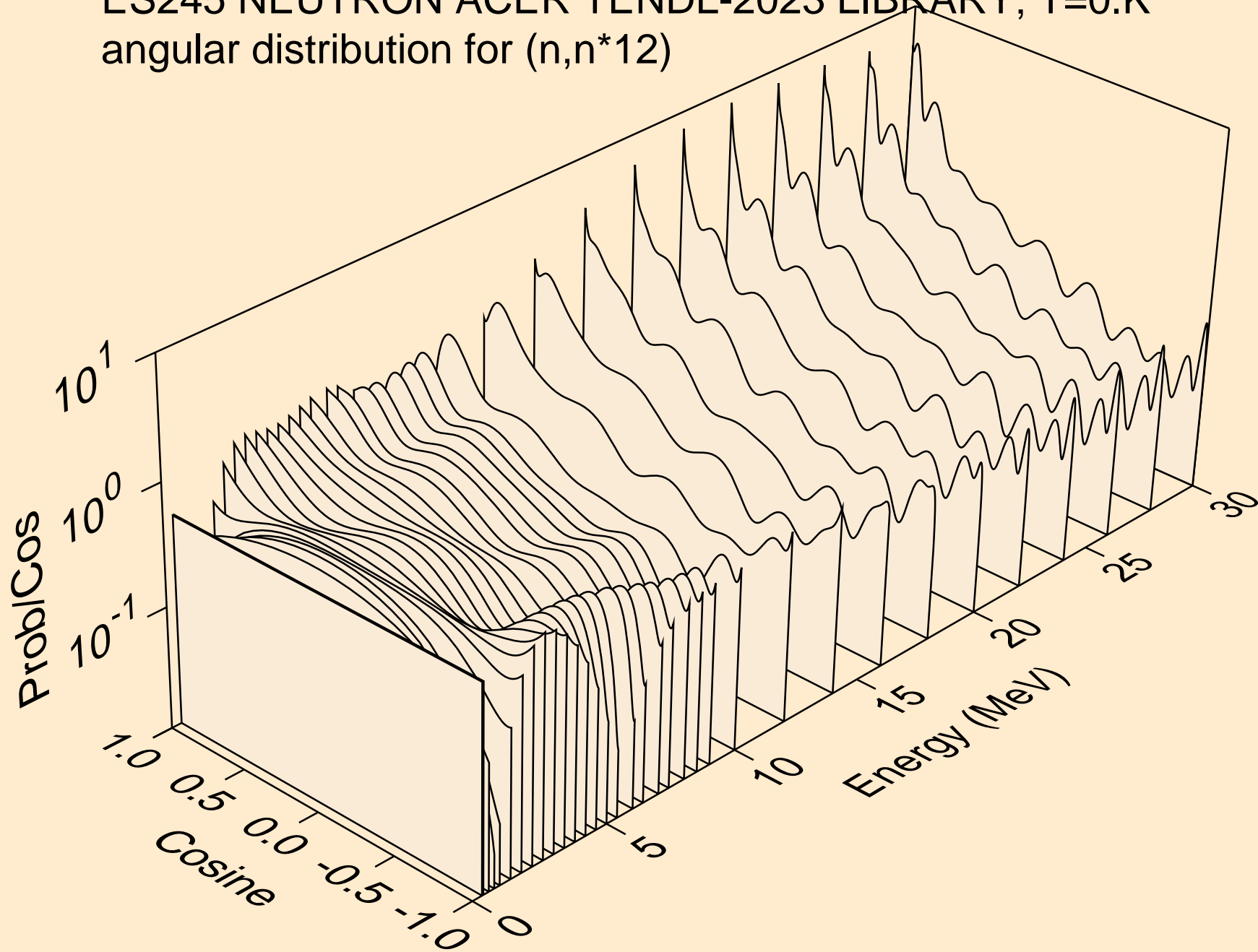




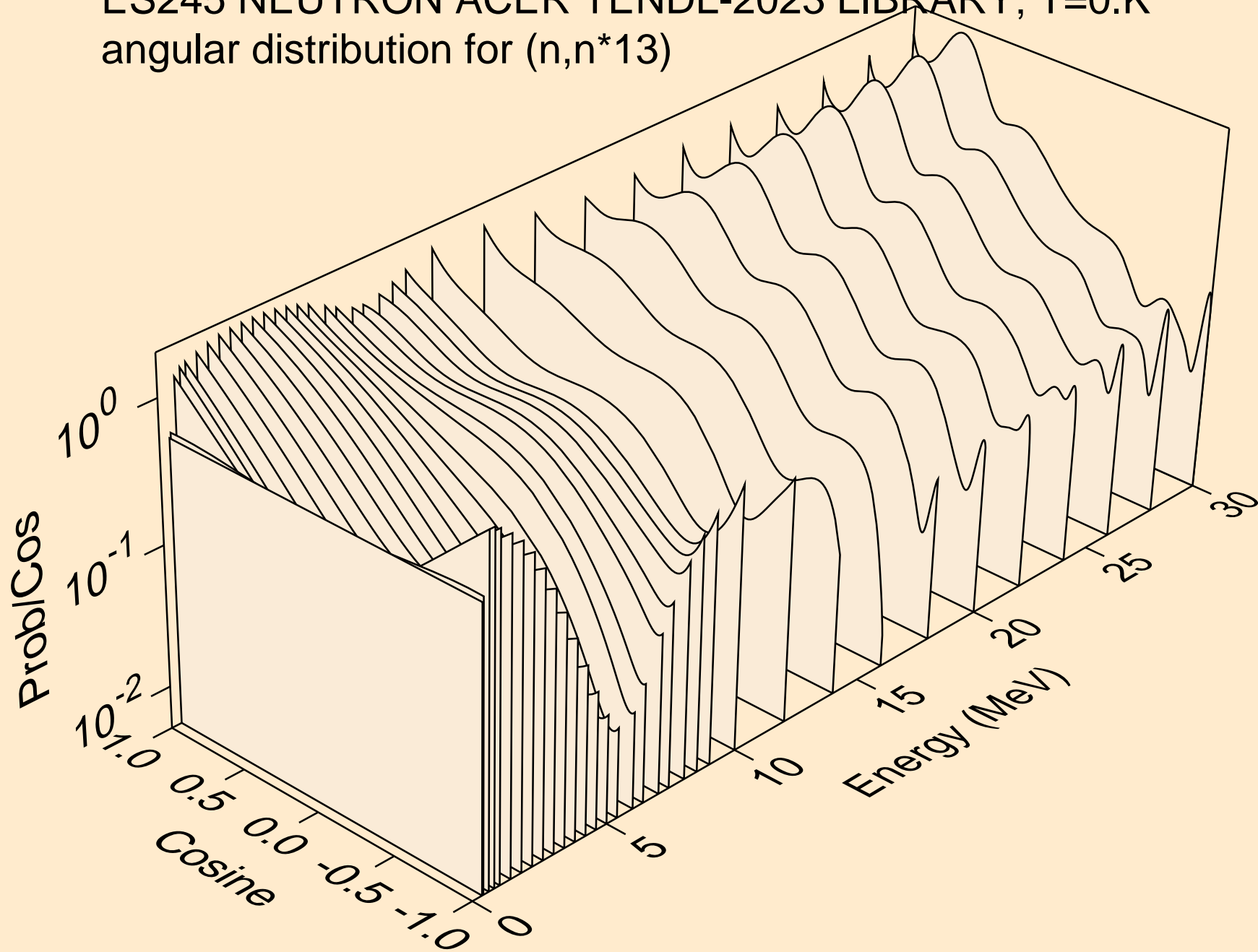
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



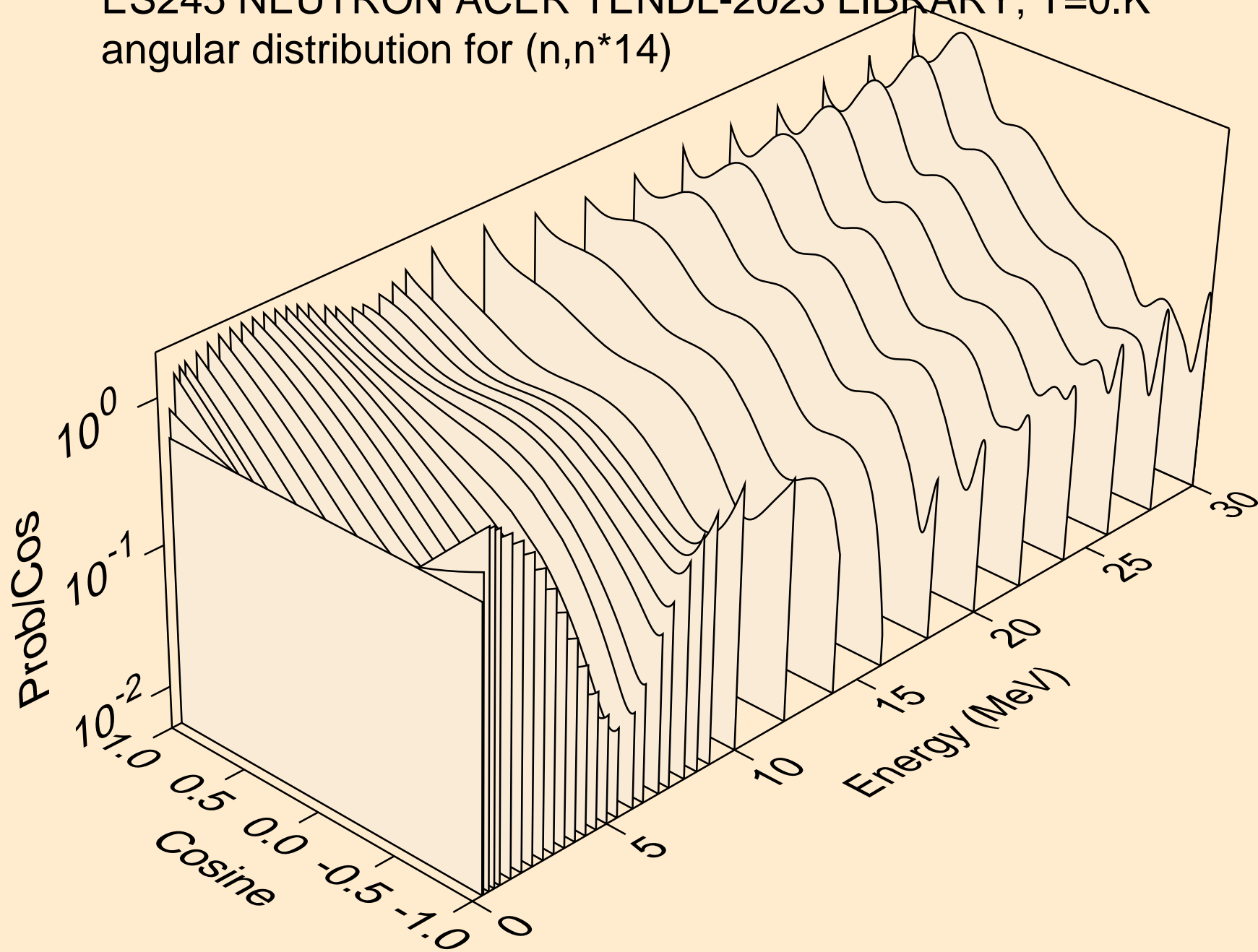
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



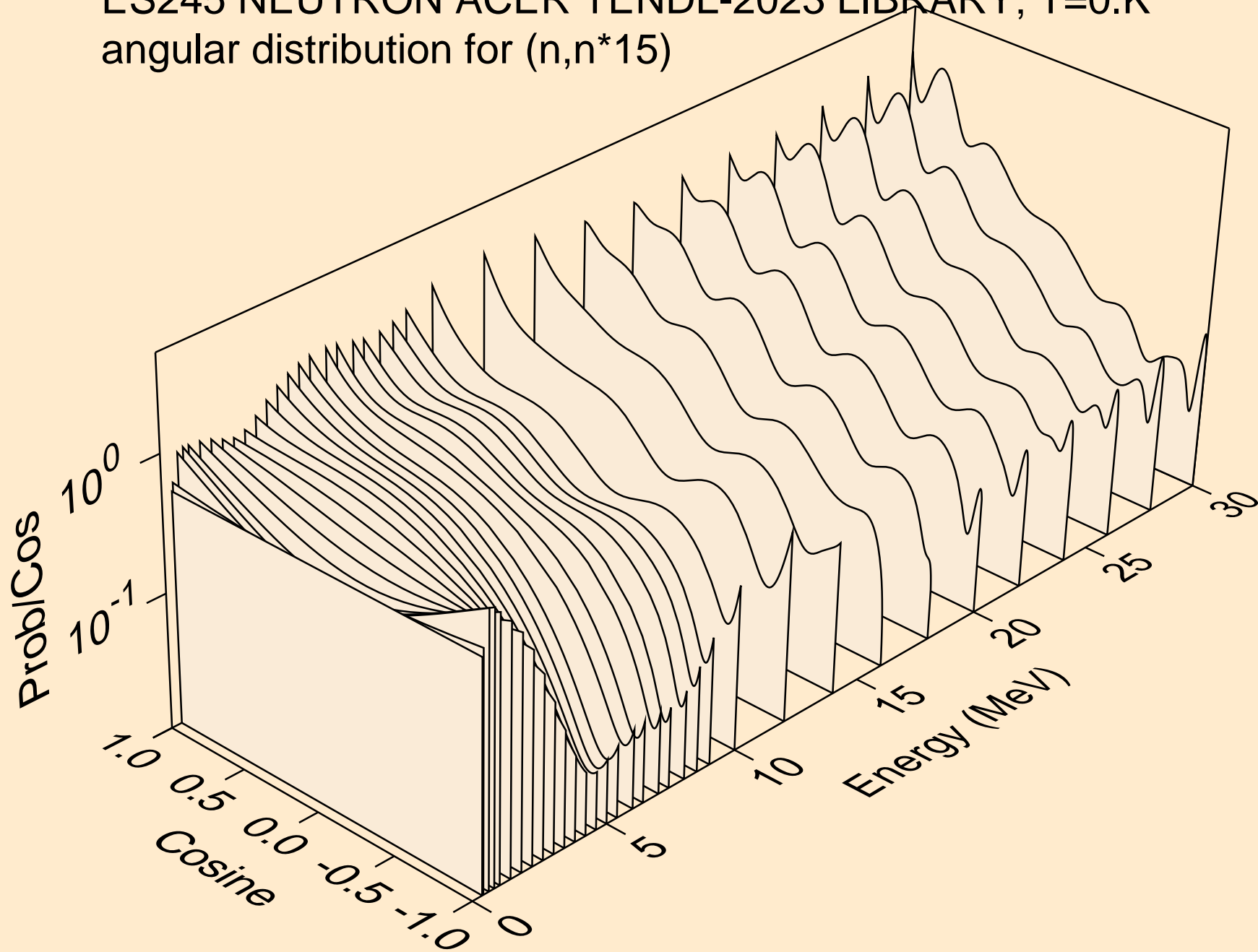
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



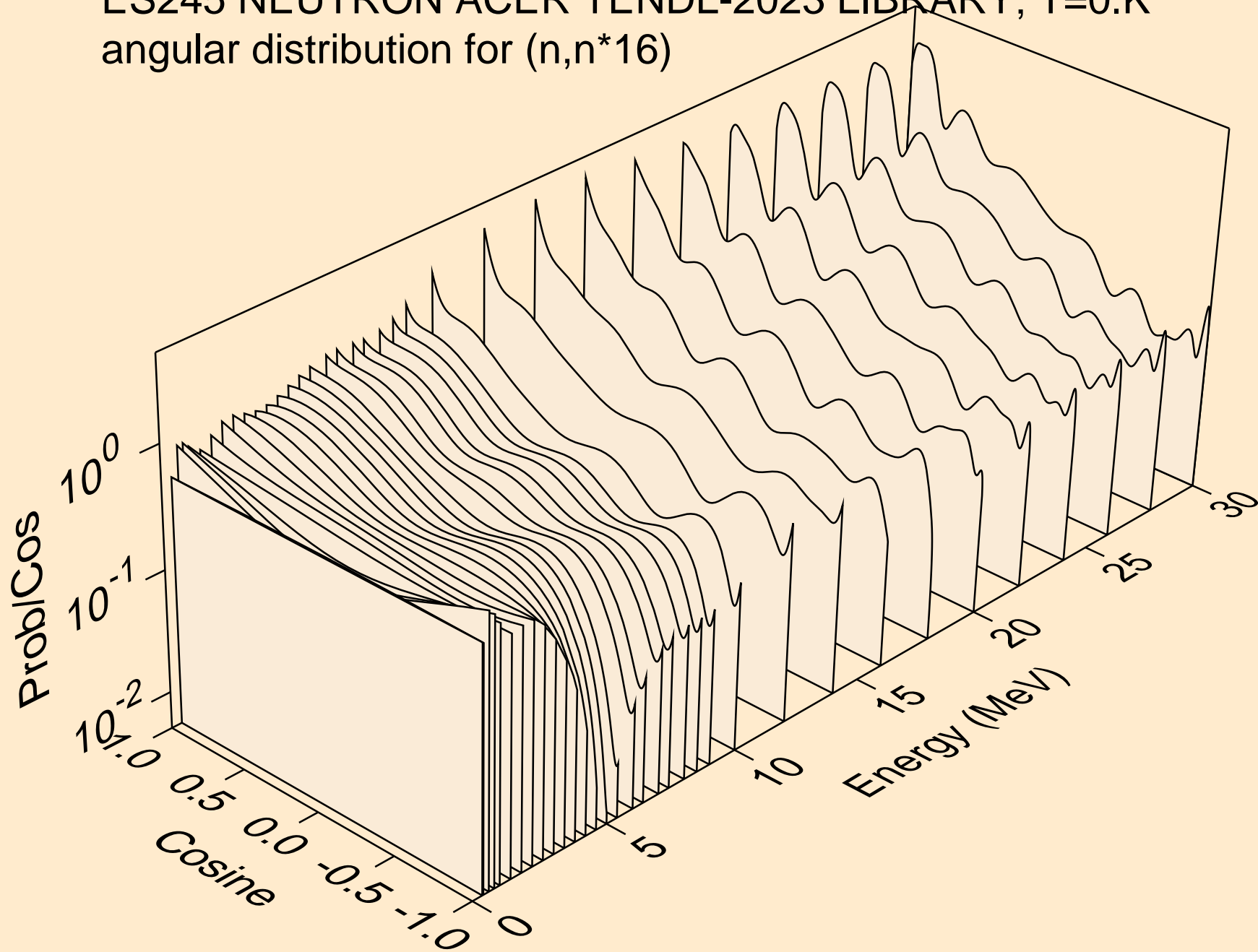
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



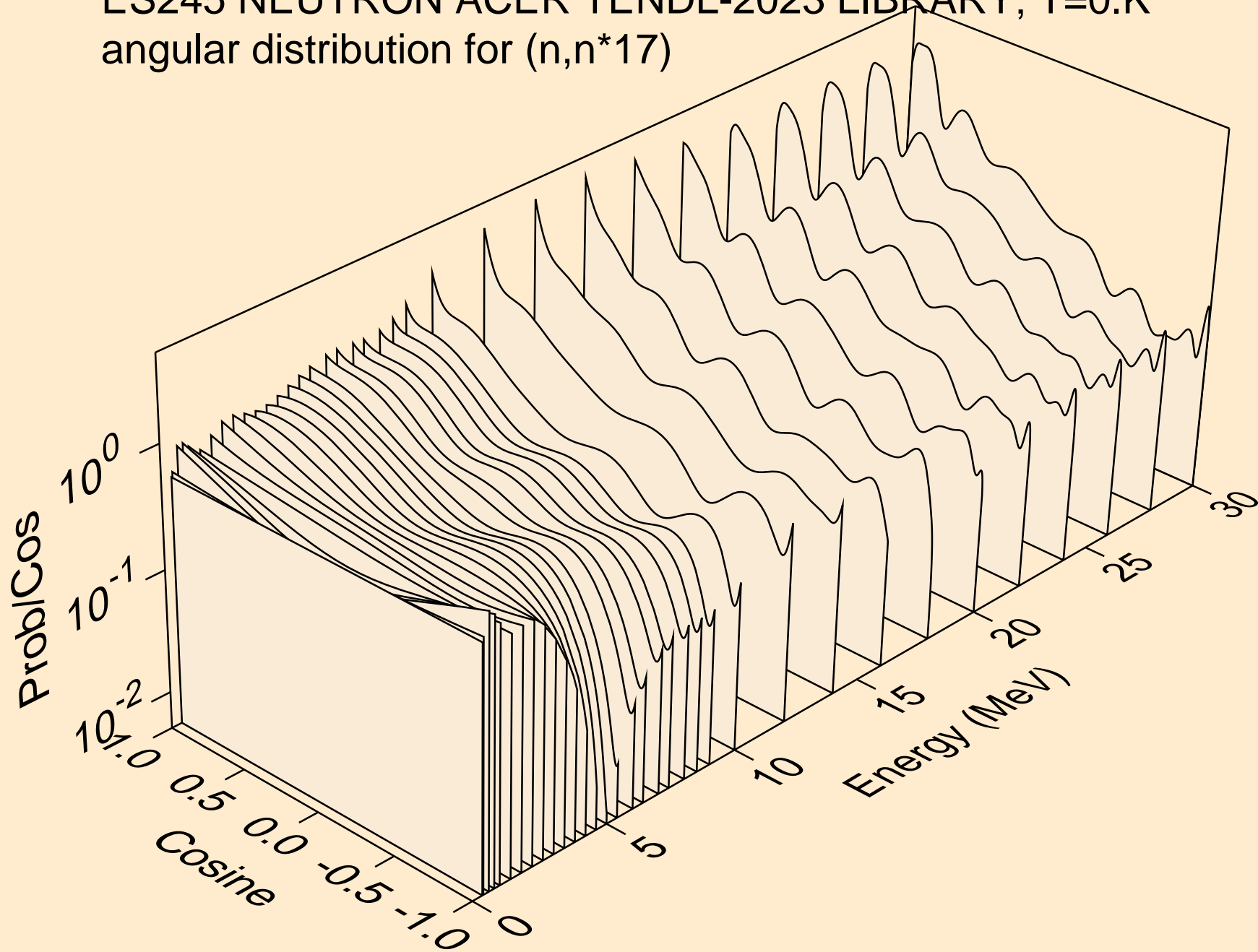
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



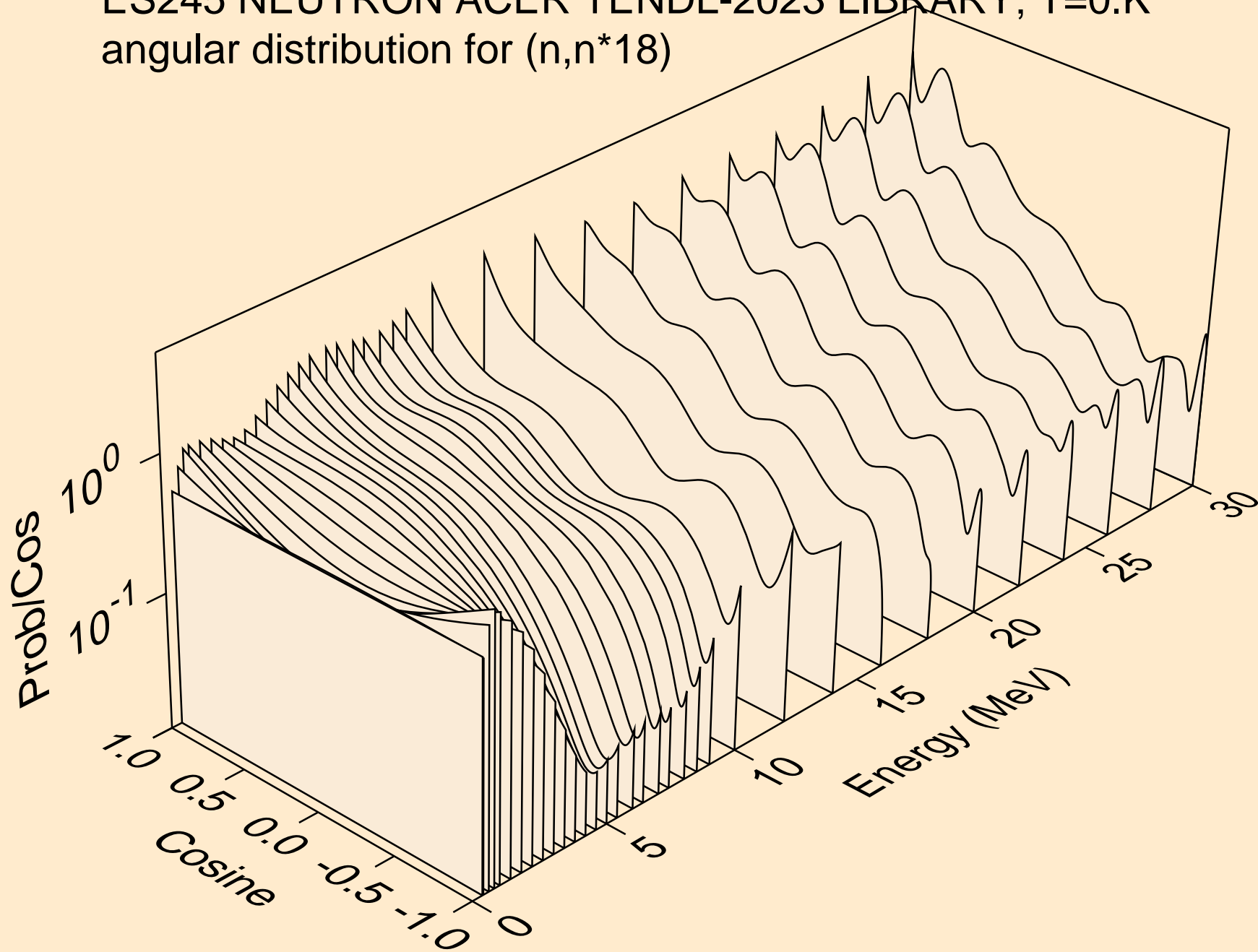
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*17)

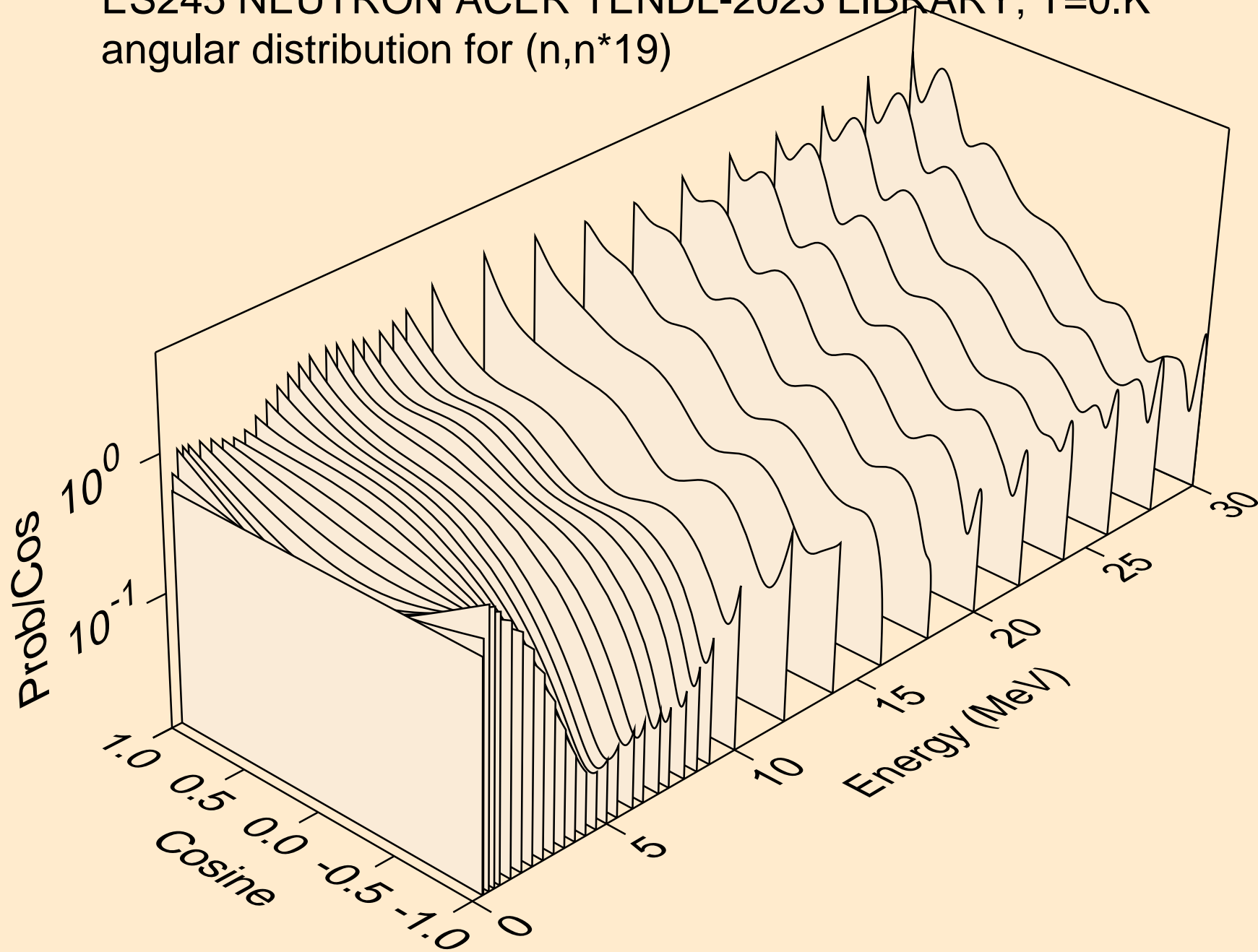


ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*18)

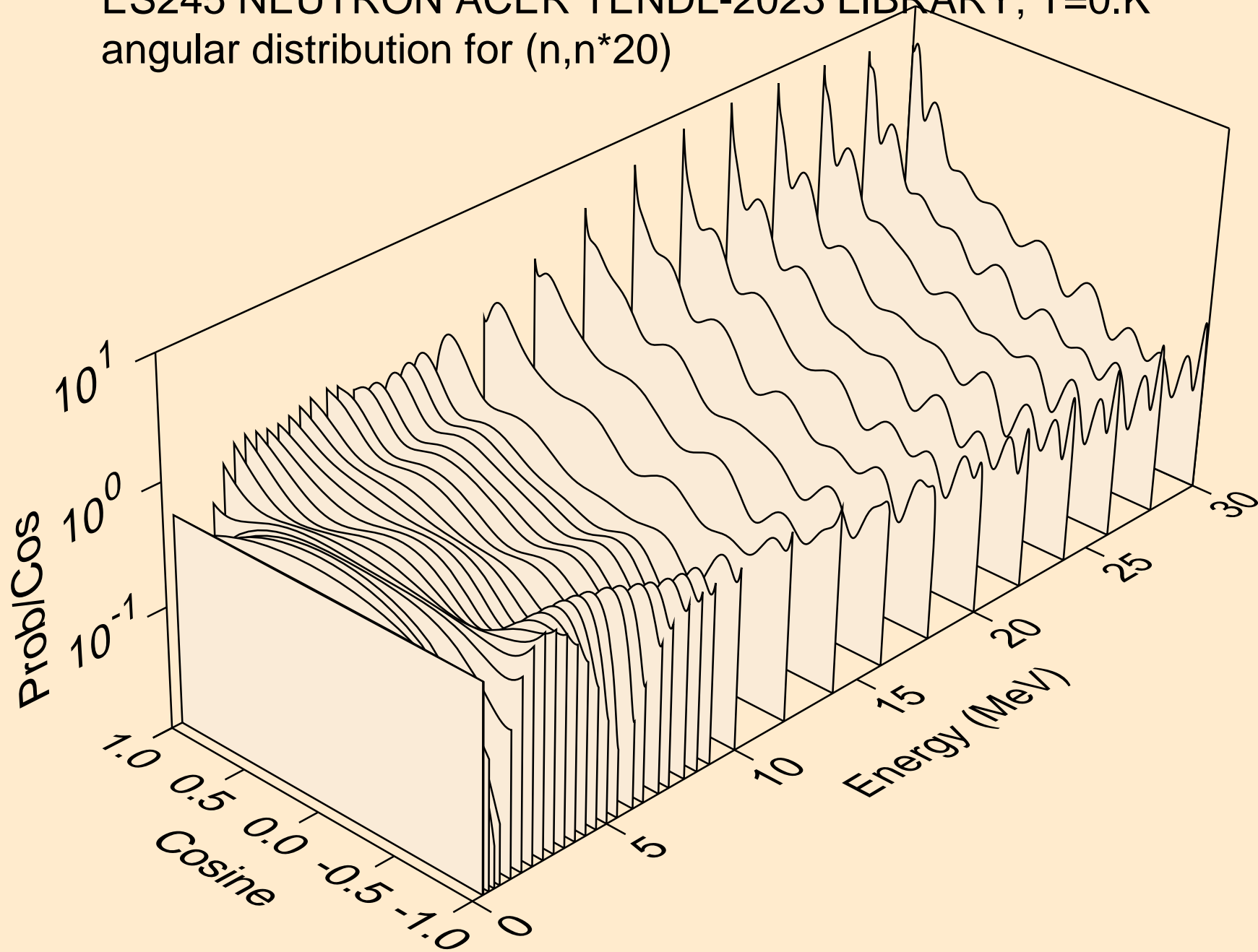




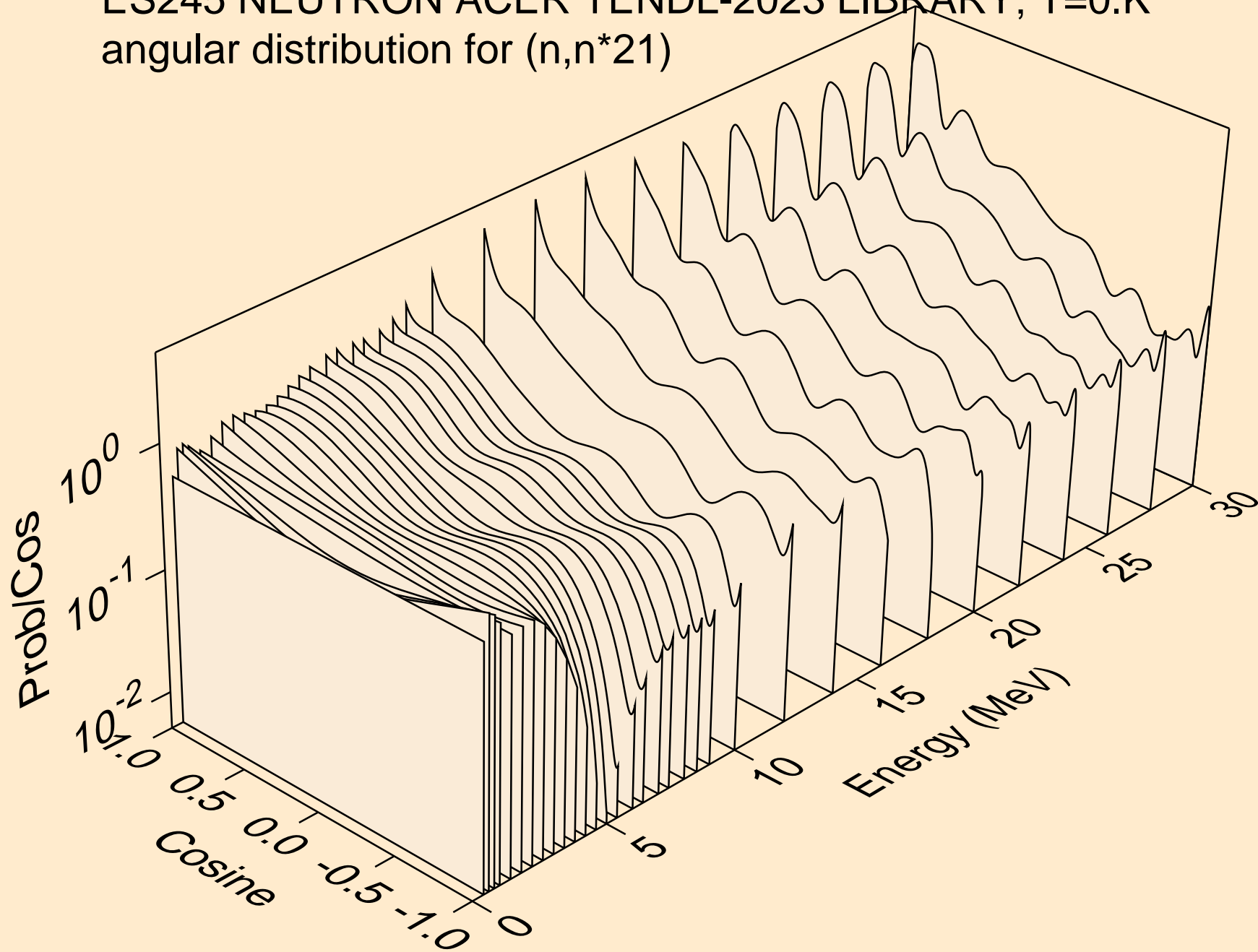
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*20)

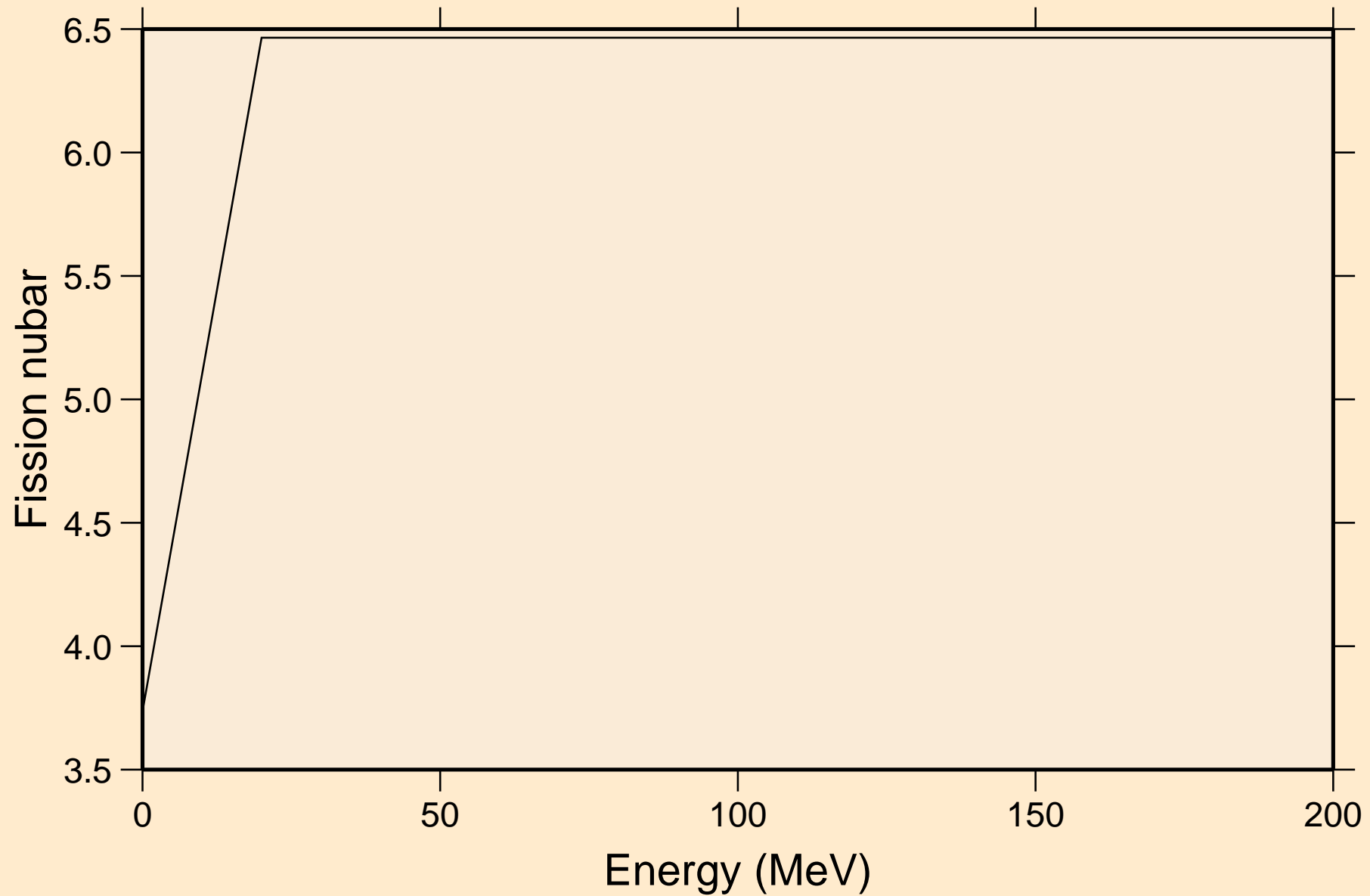


ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*21)

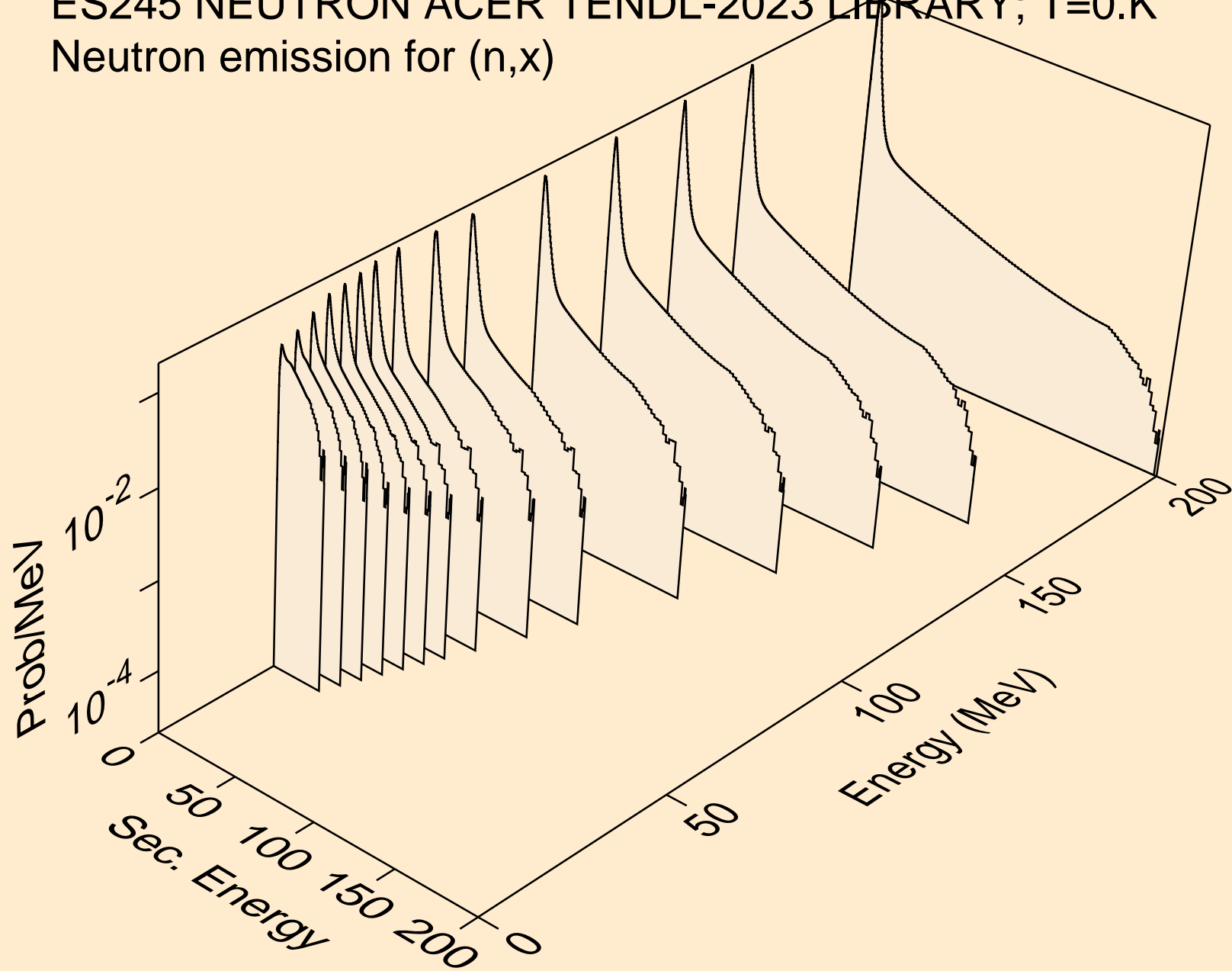


# ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

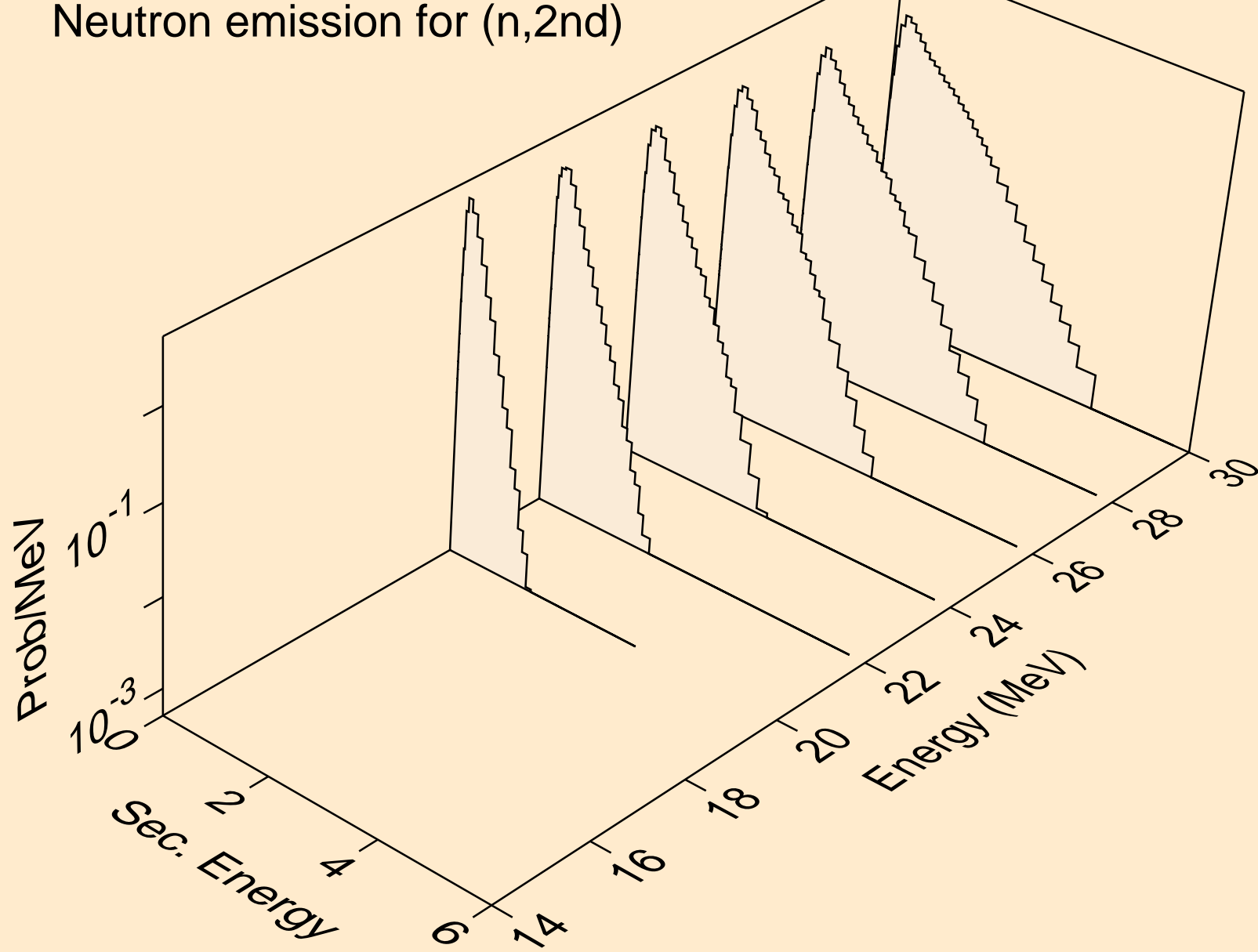
Total fission nubar



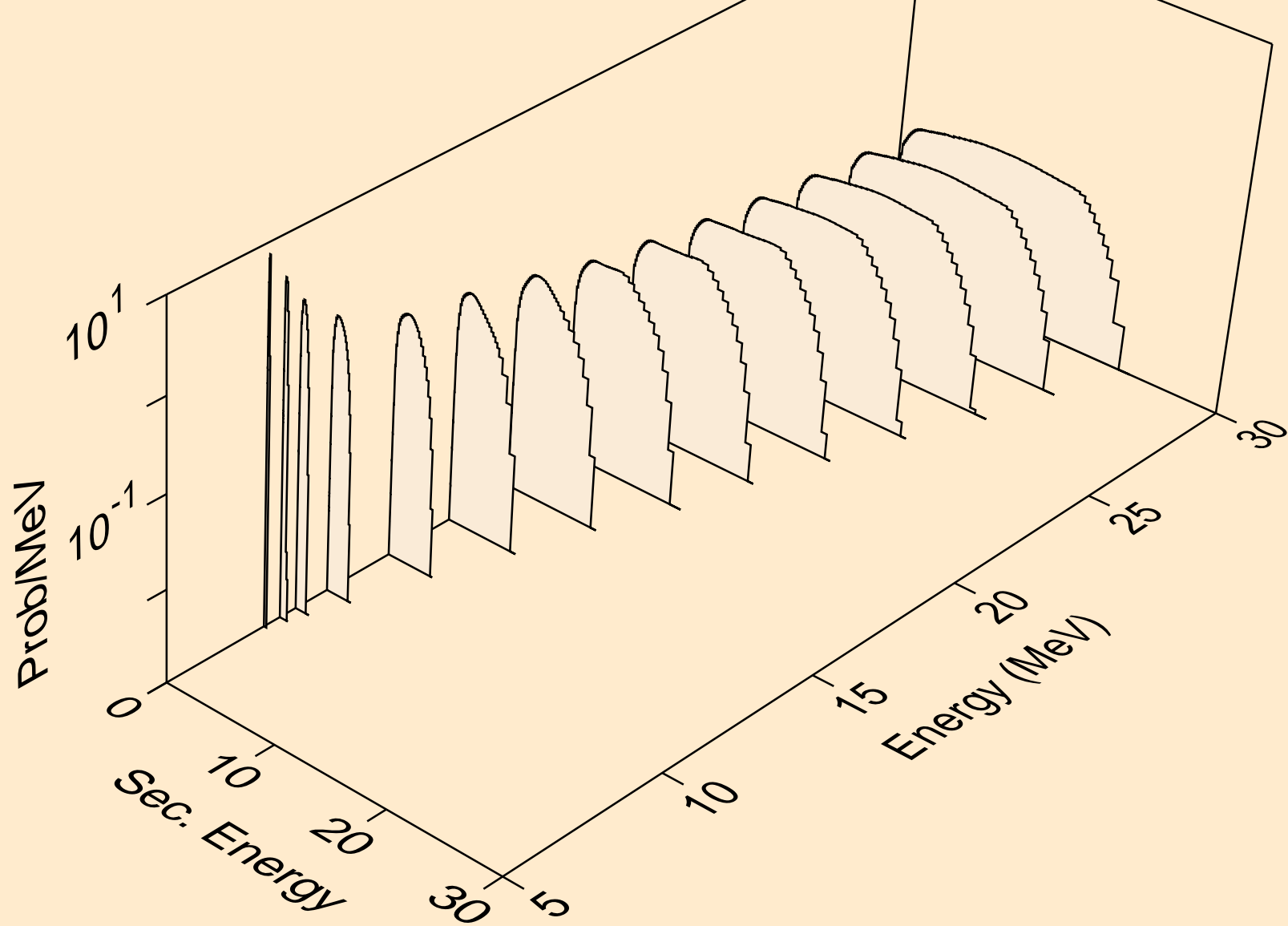
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



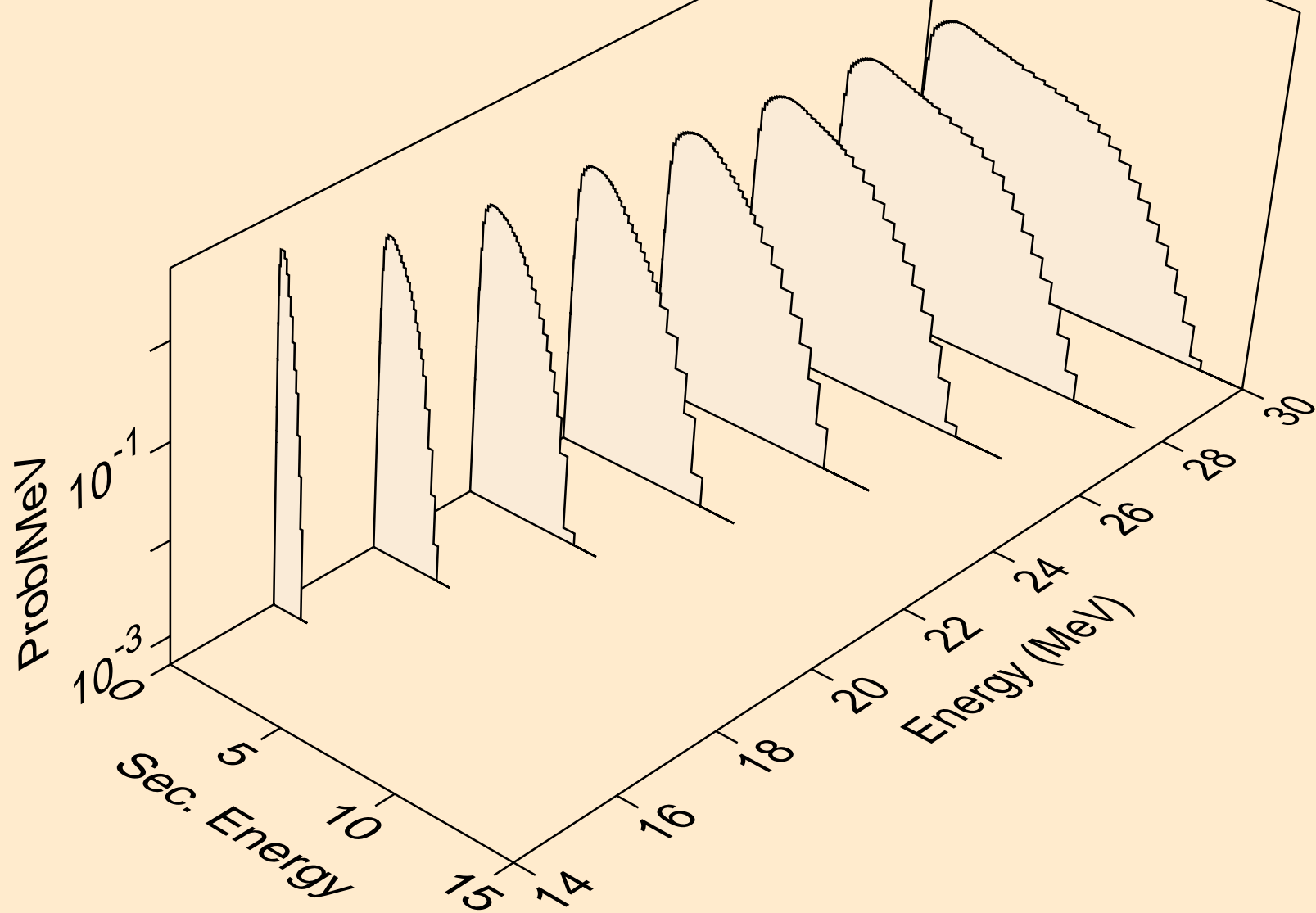
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)

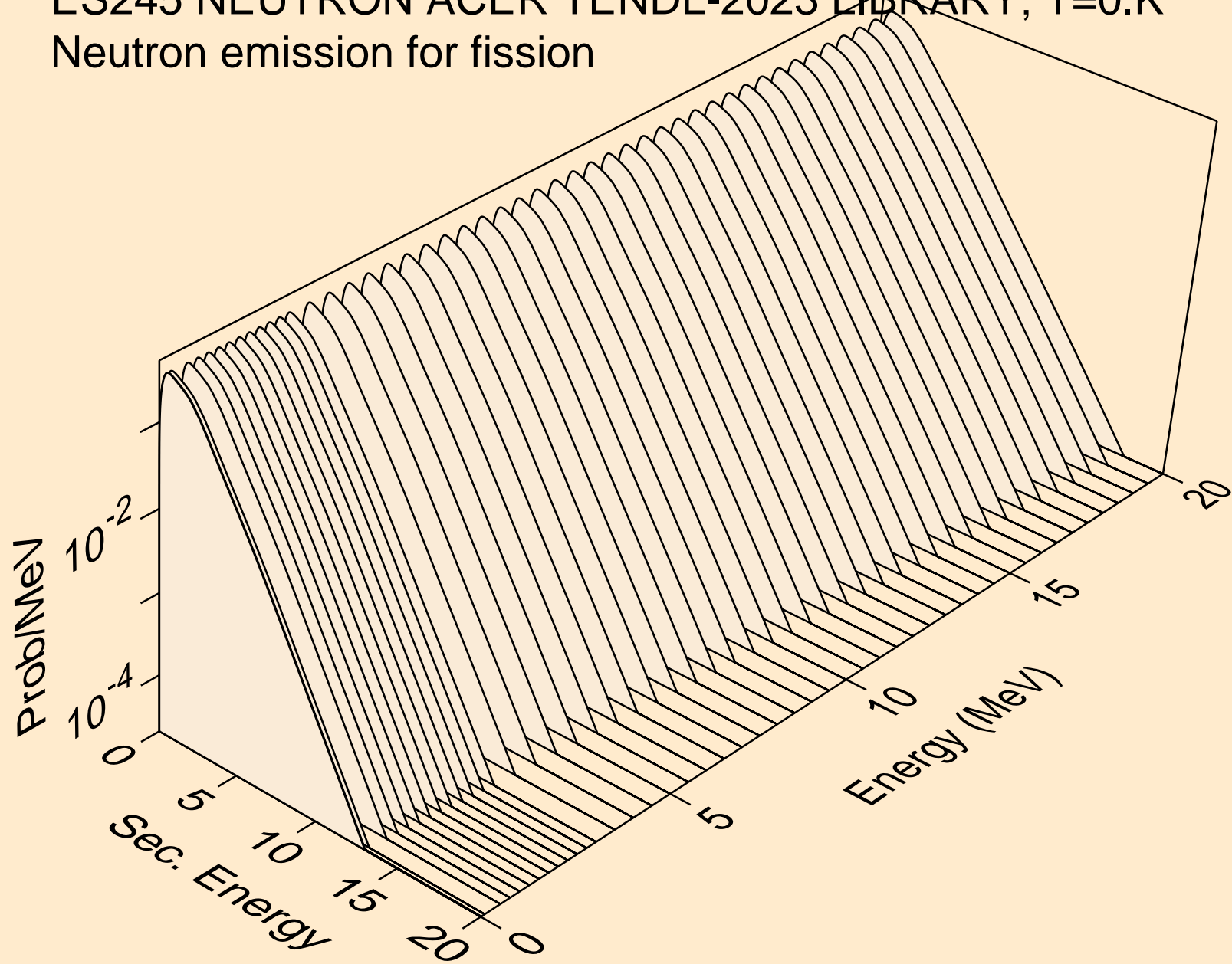


ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)

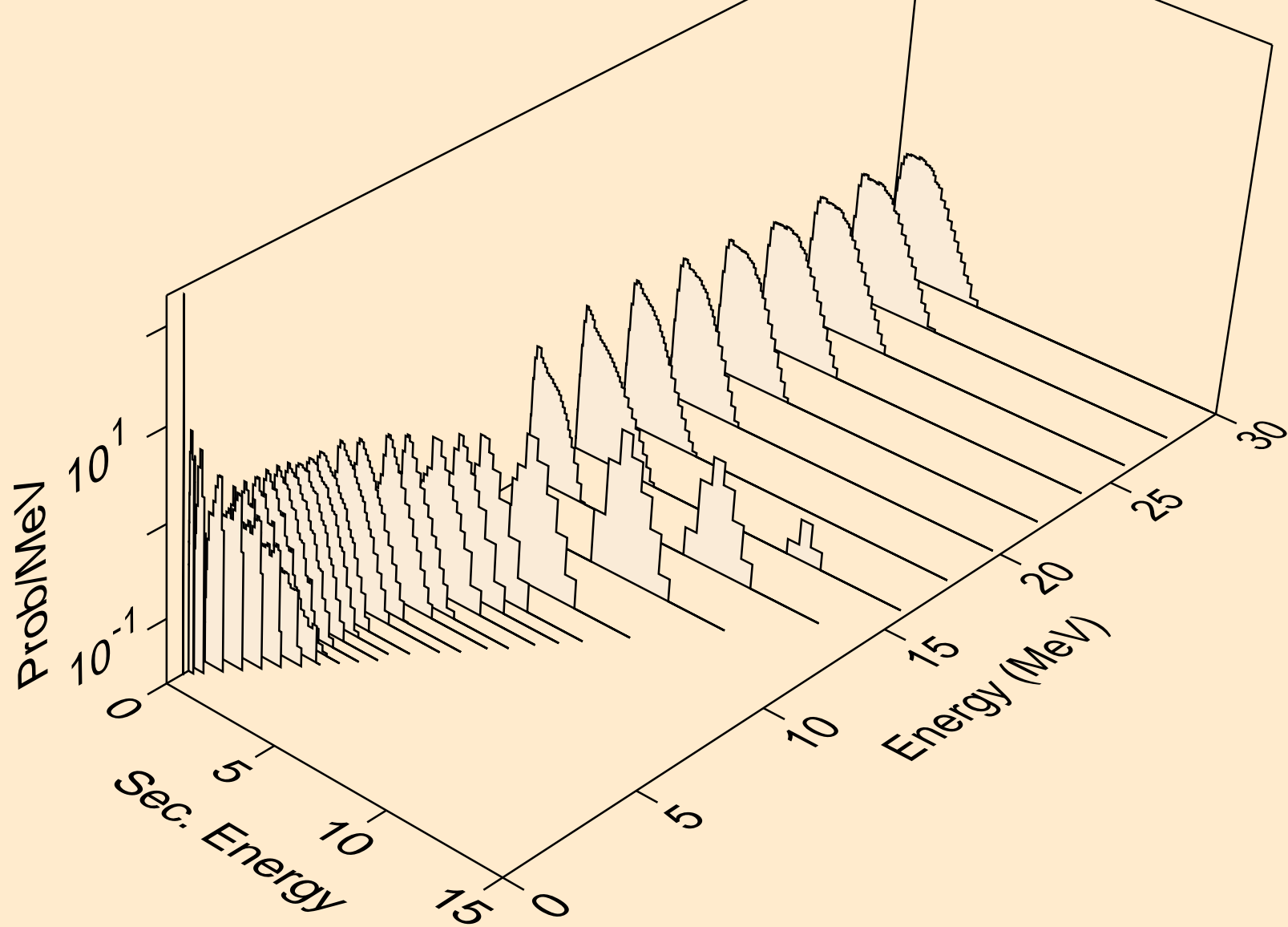




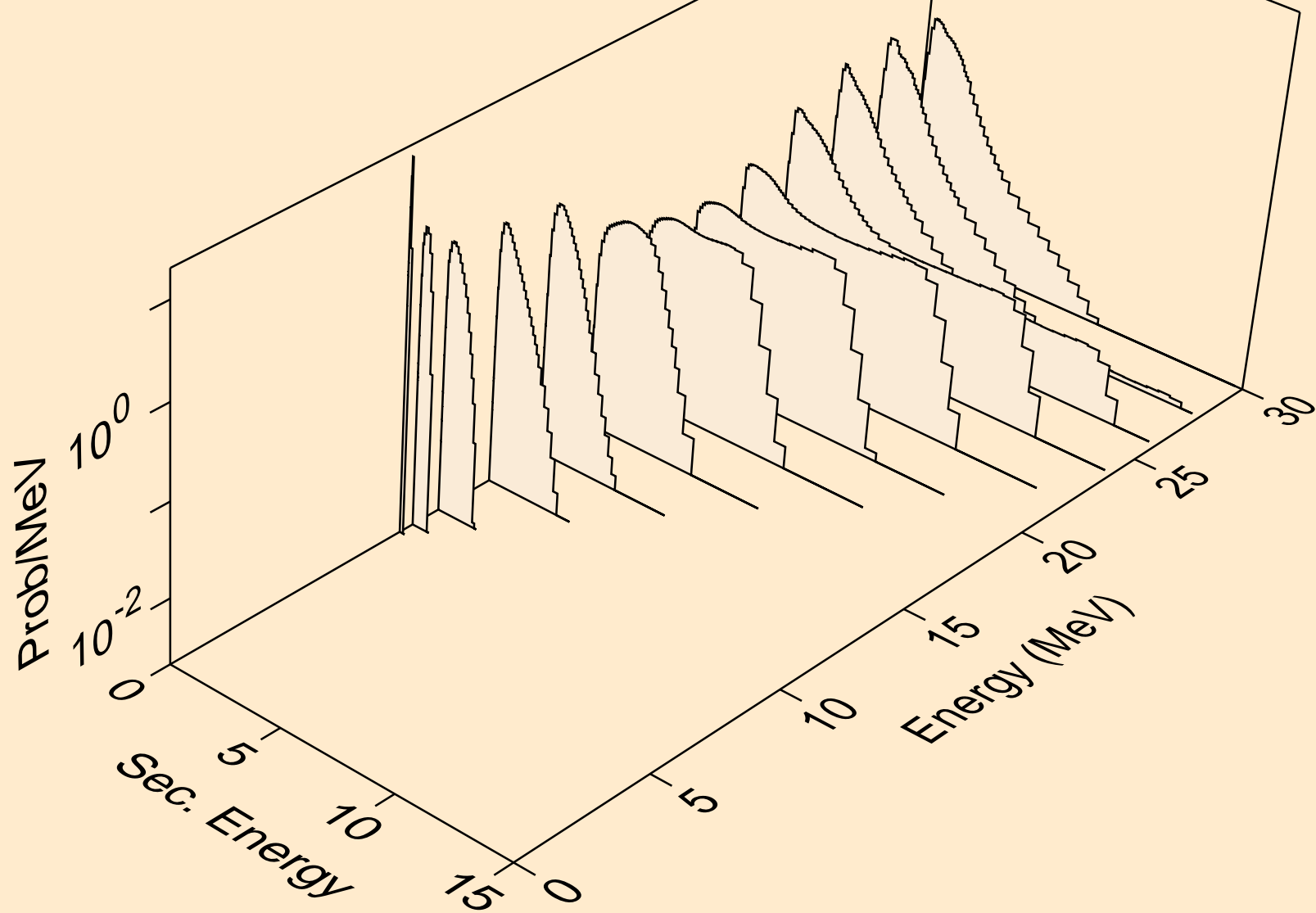
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for fission



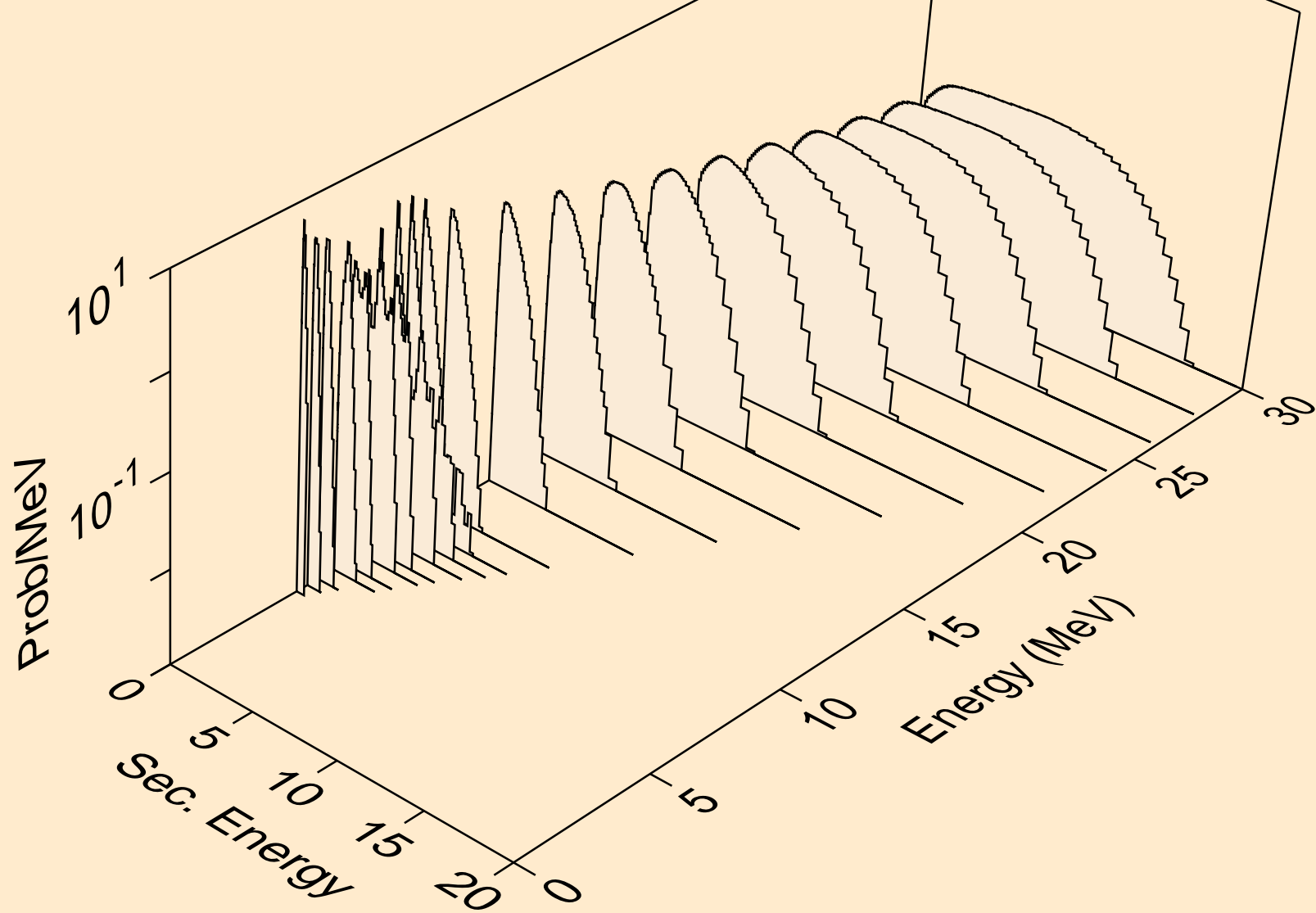
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



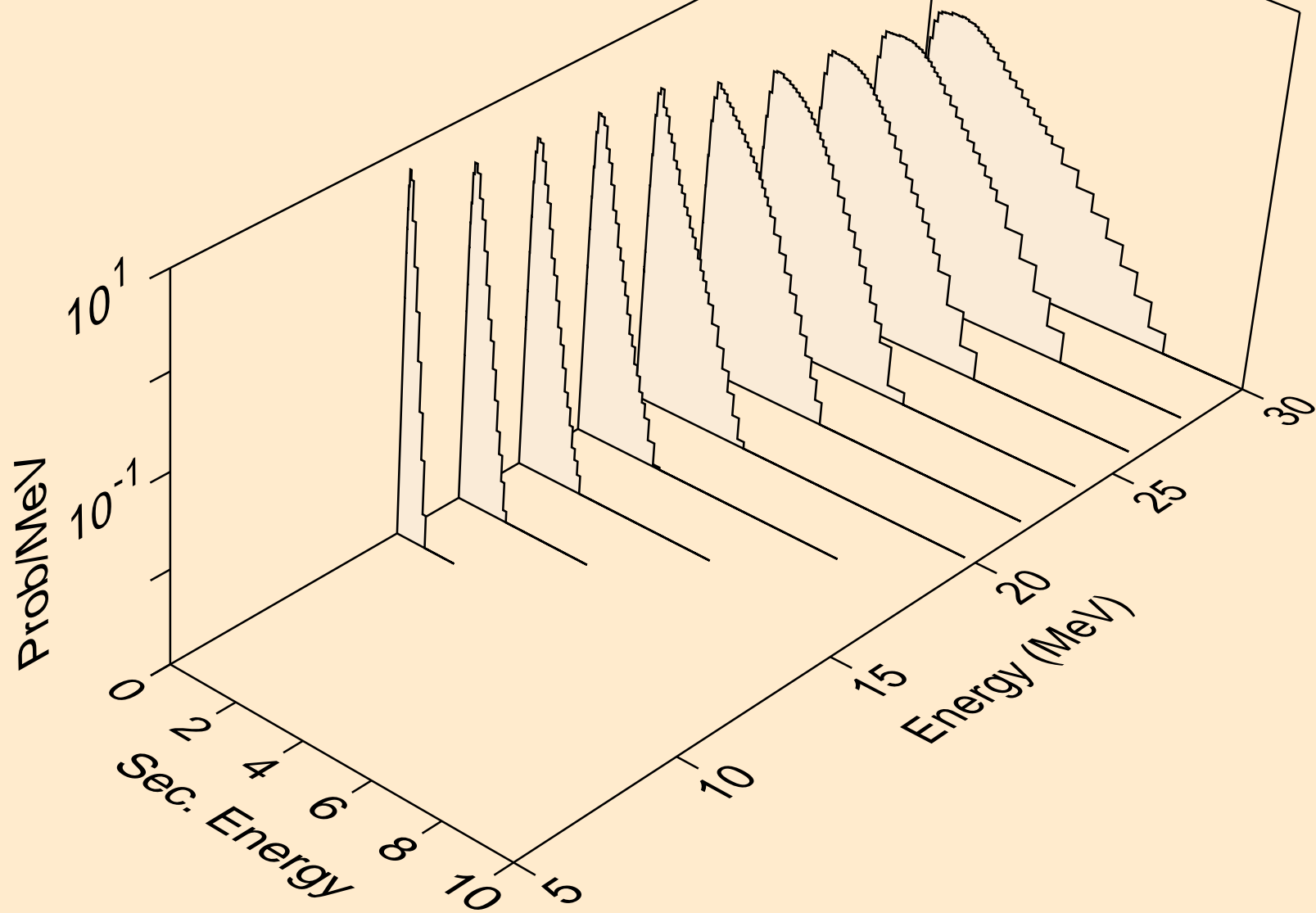
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



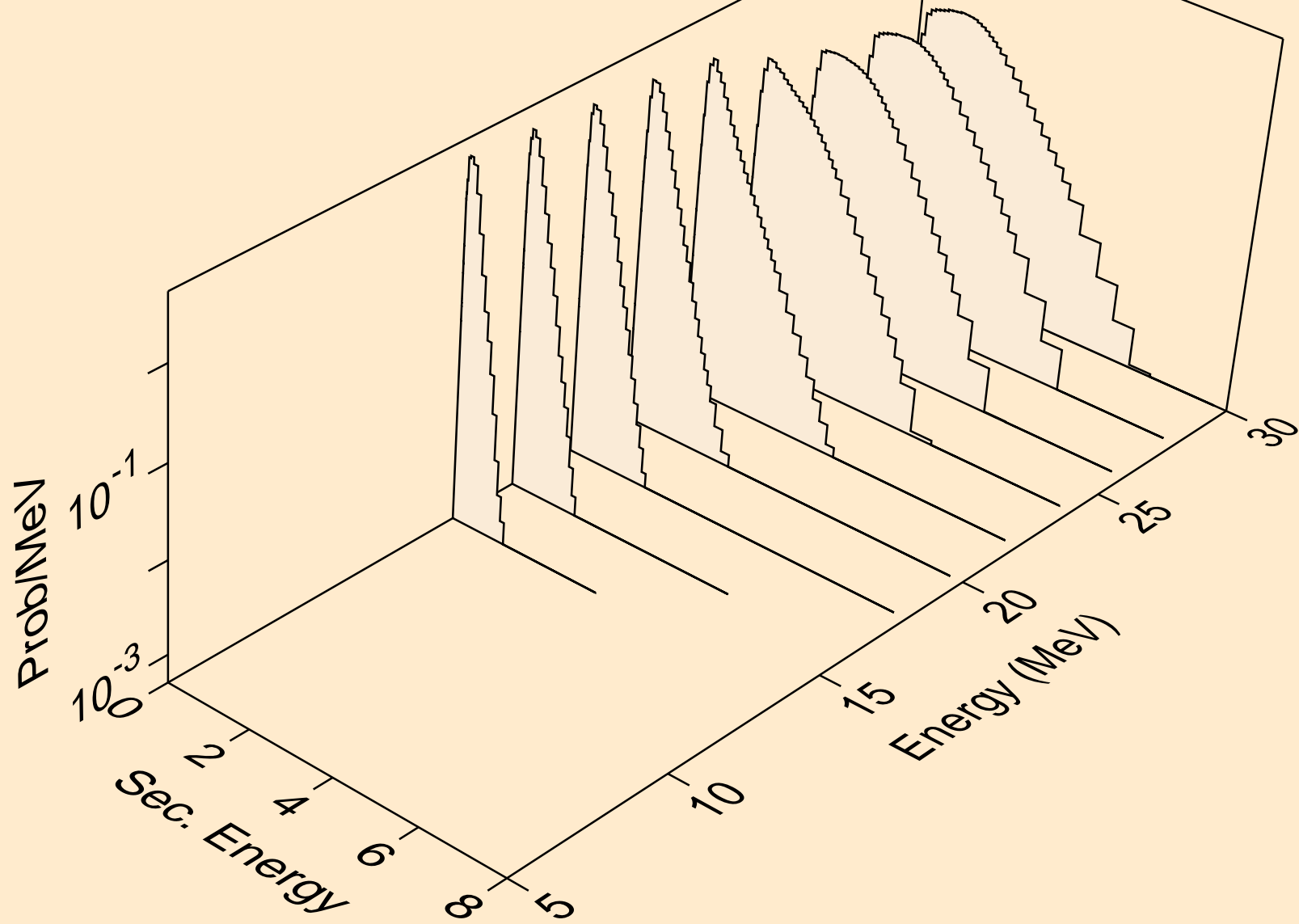
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



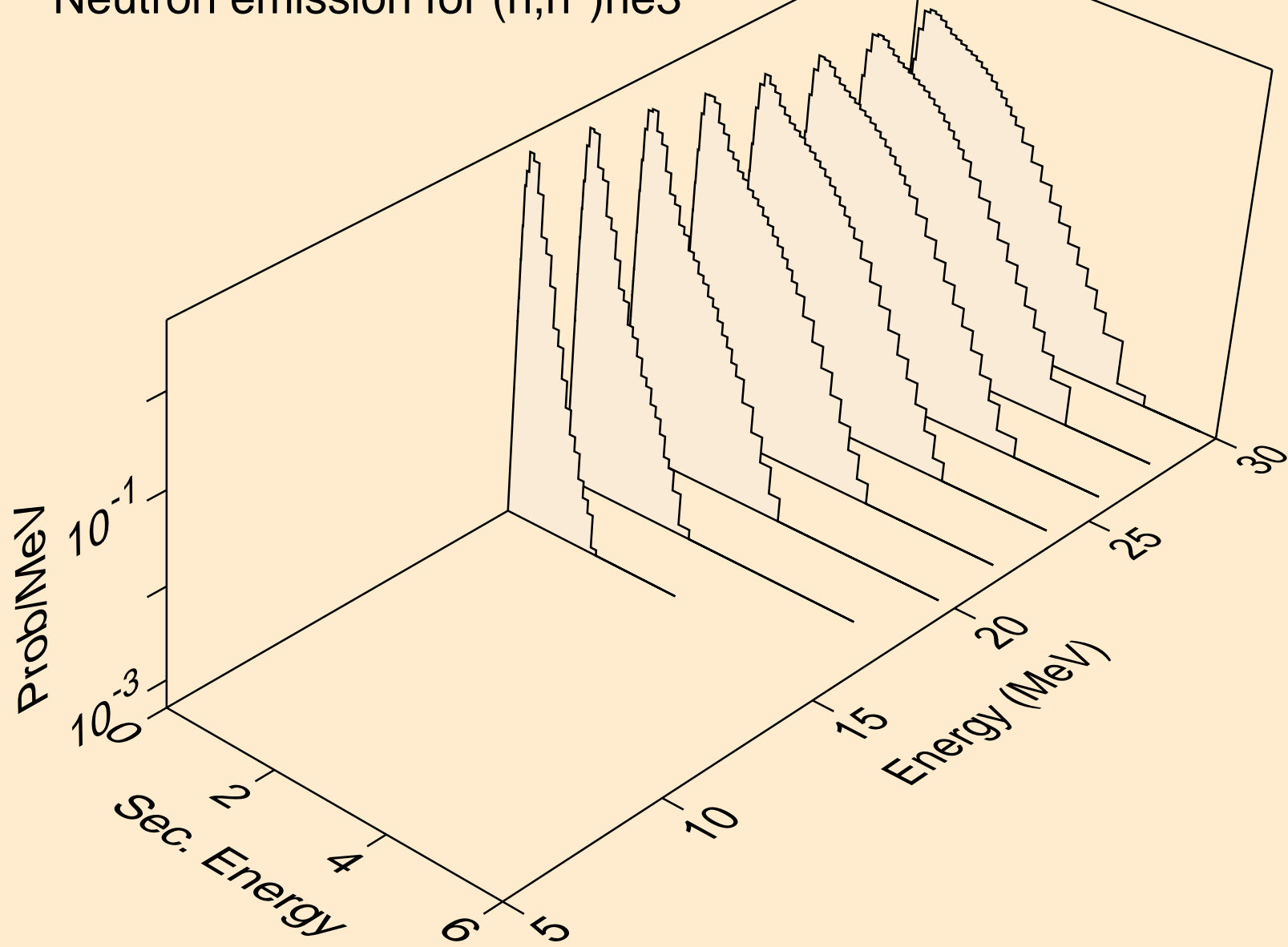
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



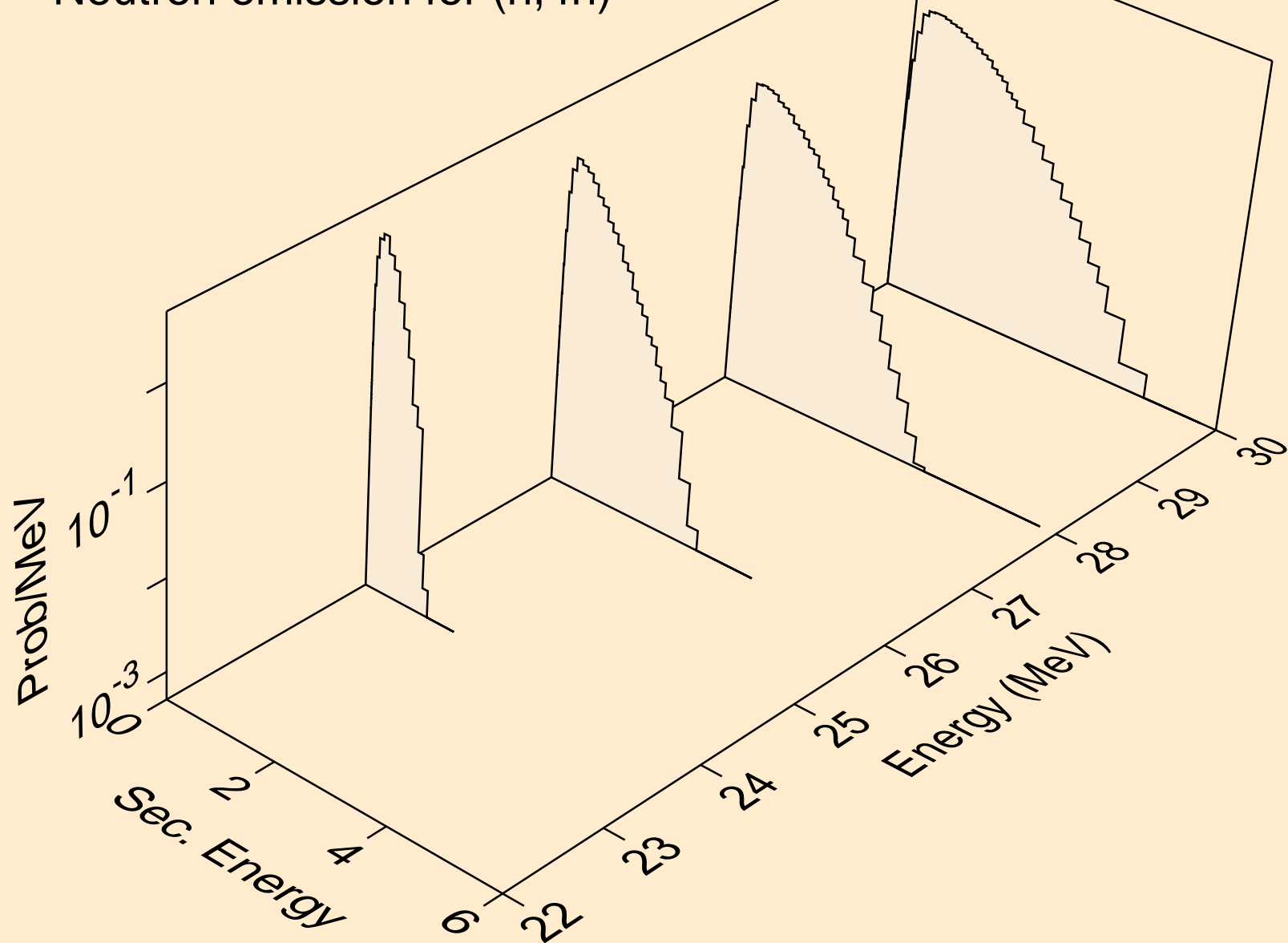
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3

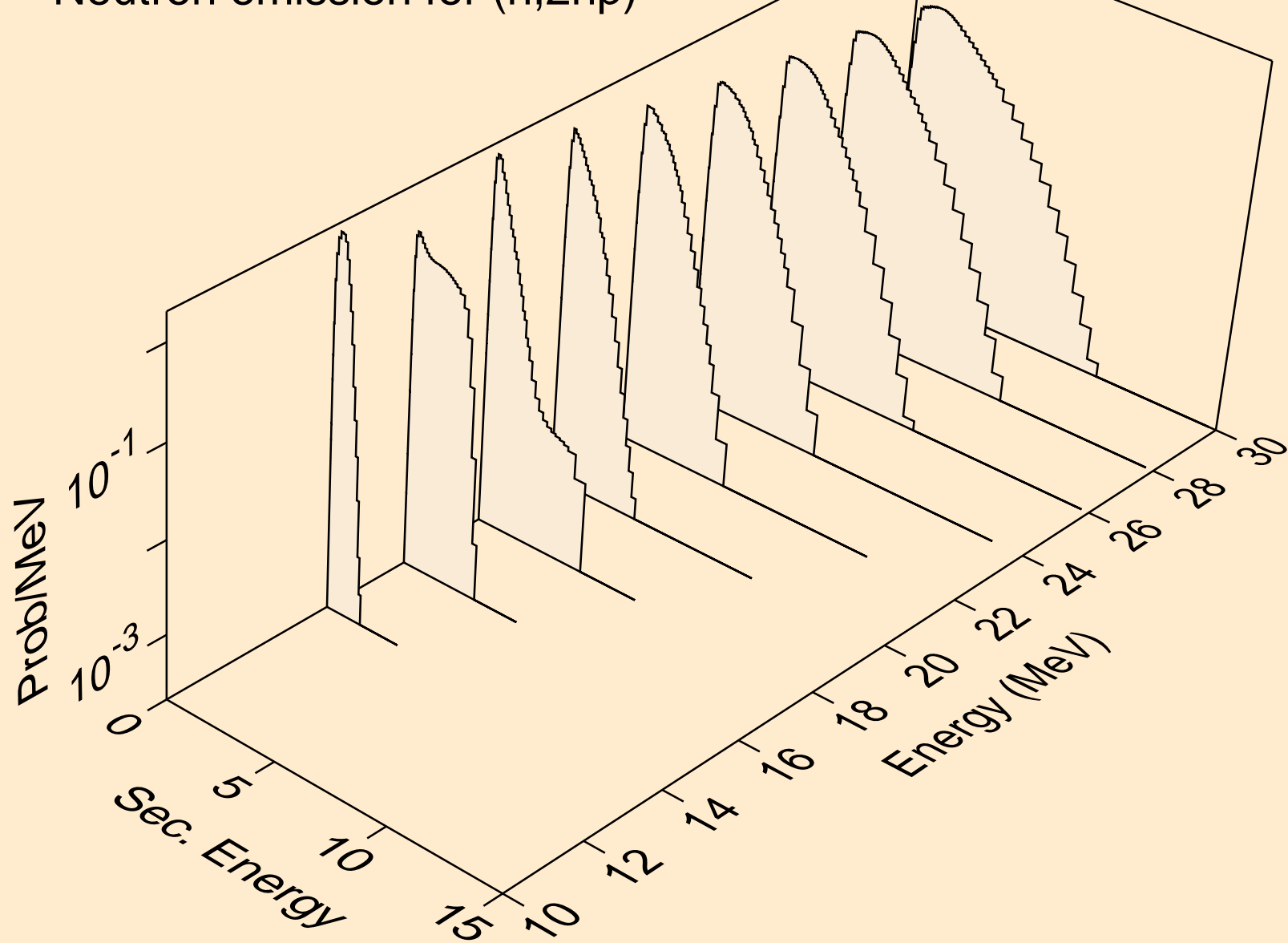


ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)

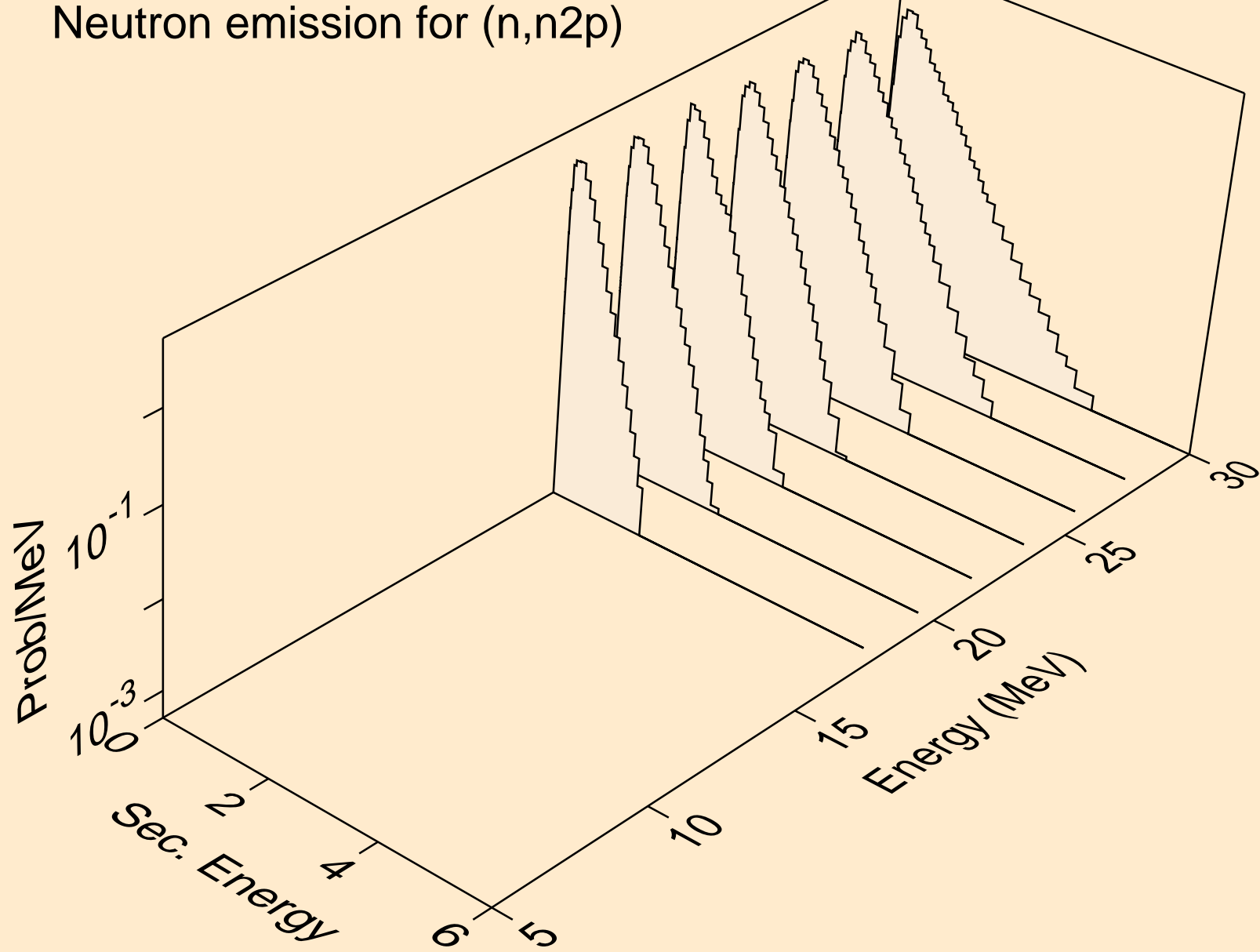




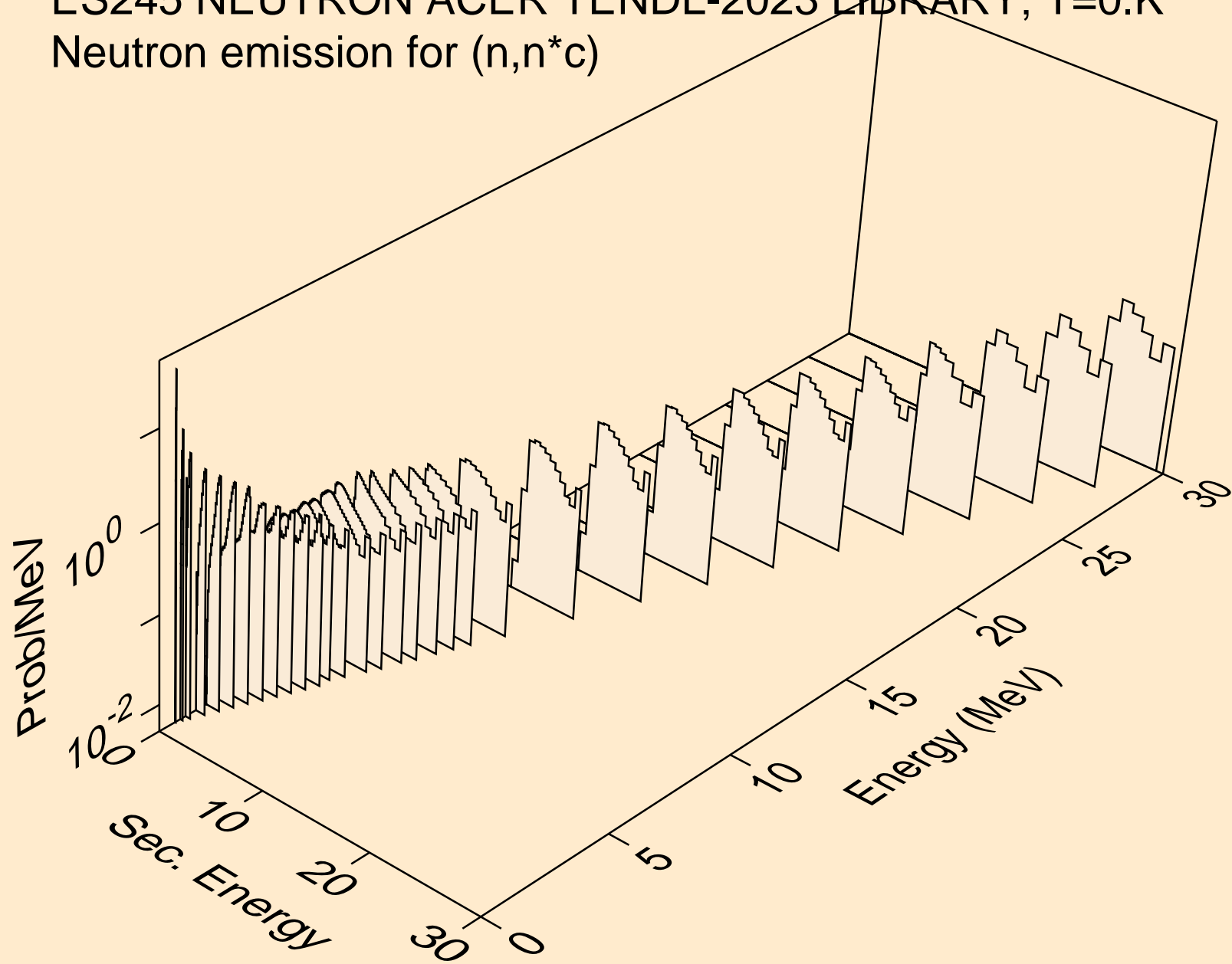
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)

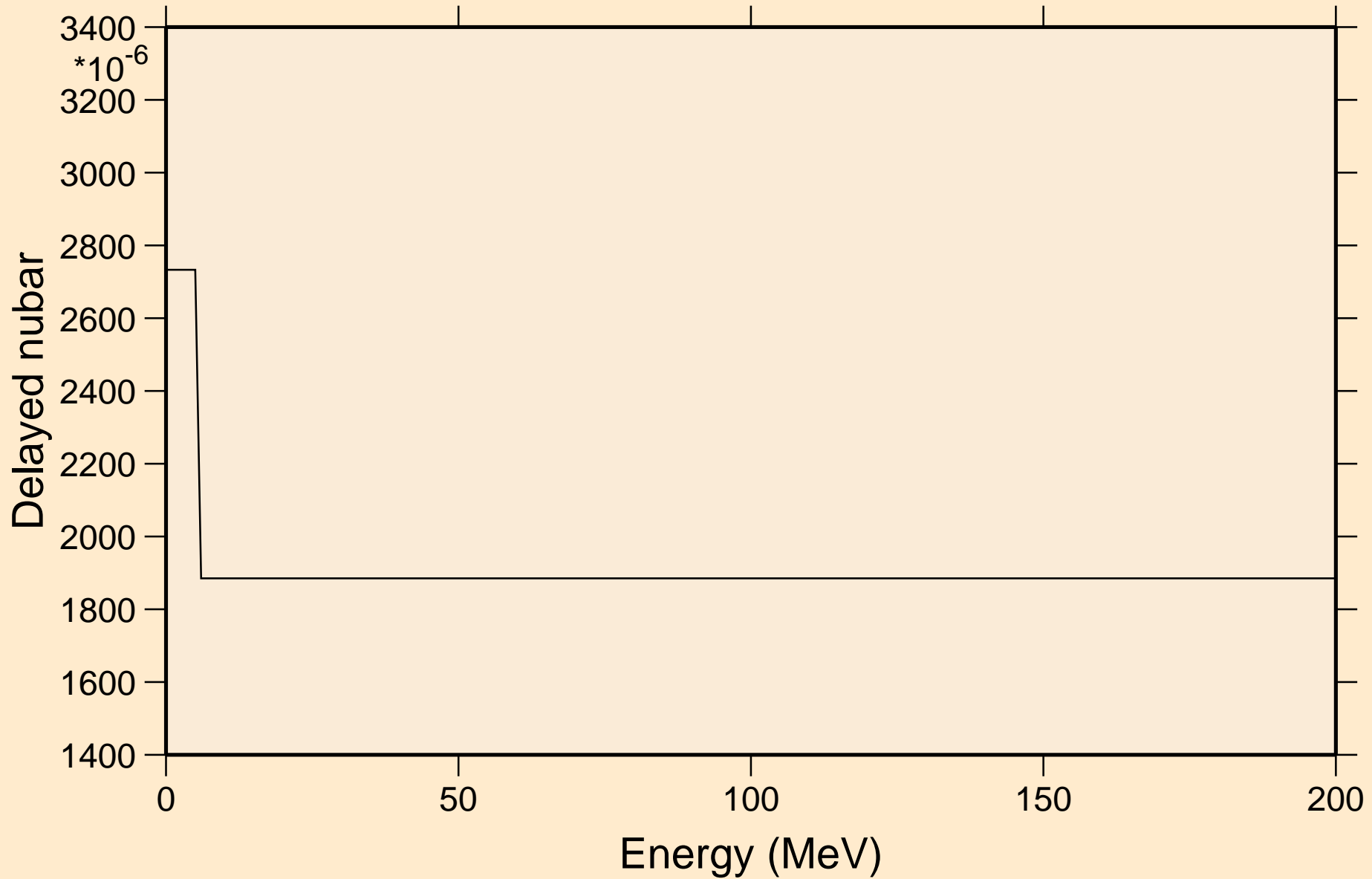


ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



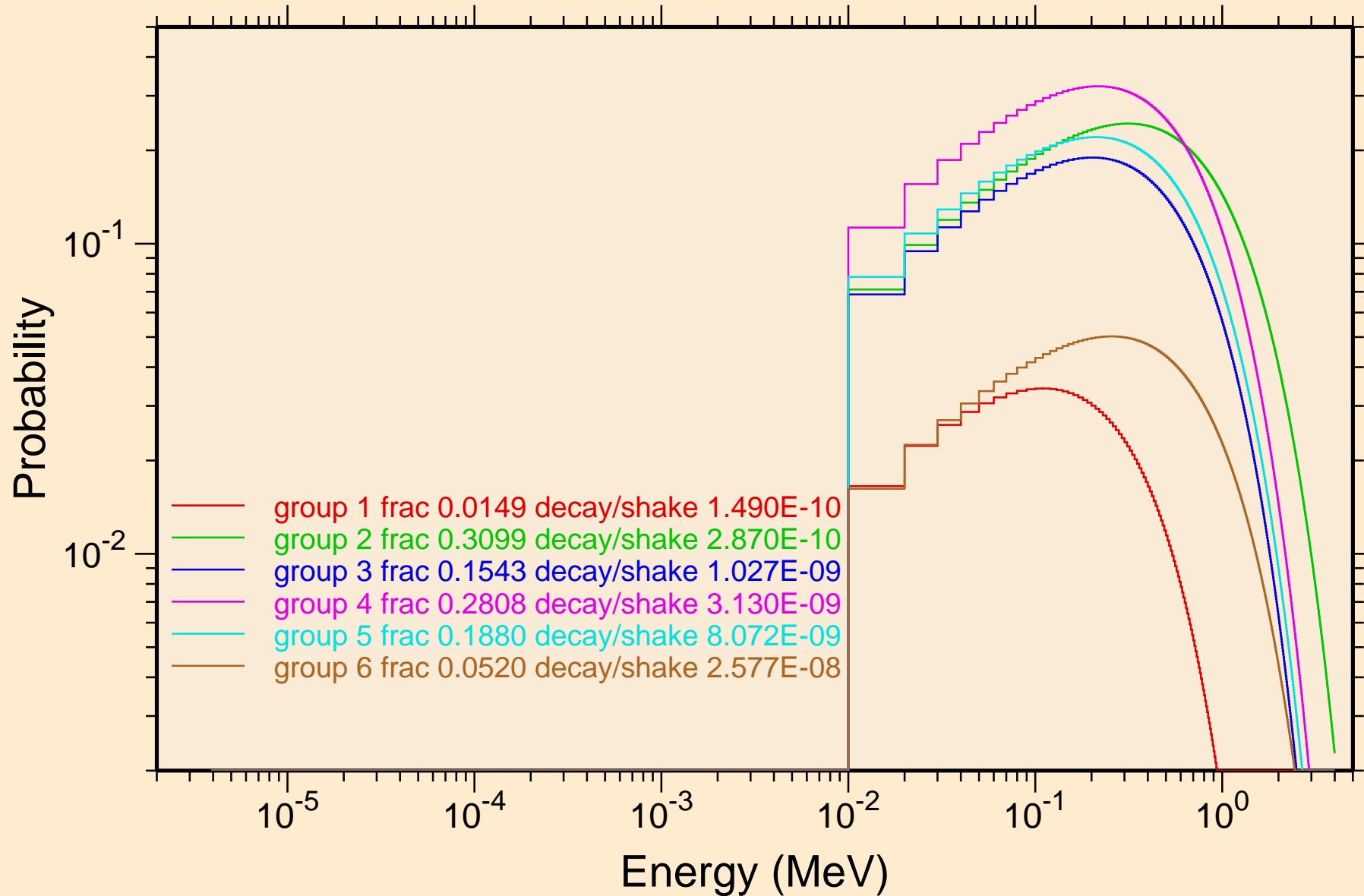
# ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Delayed nubar

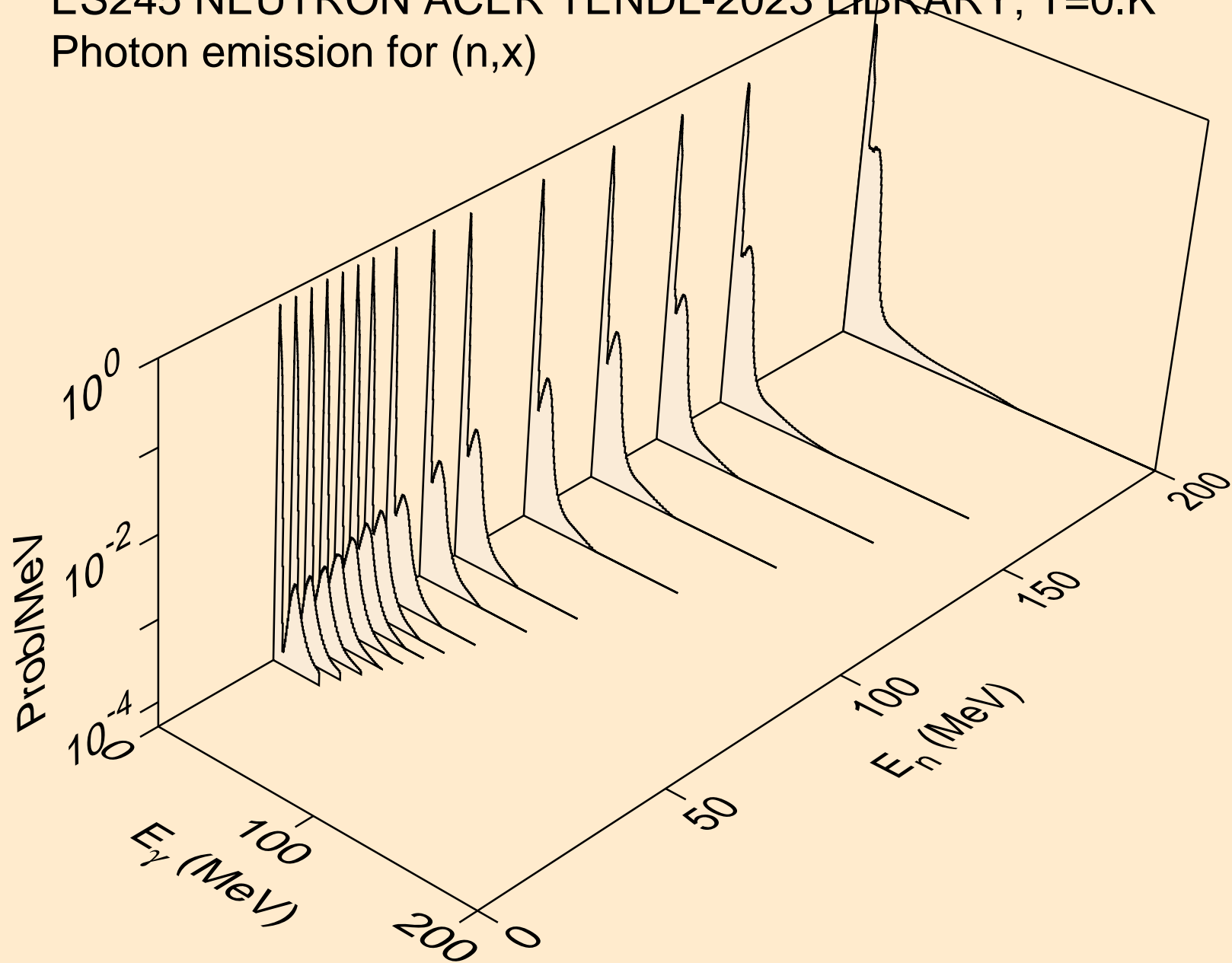


# ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

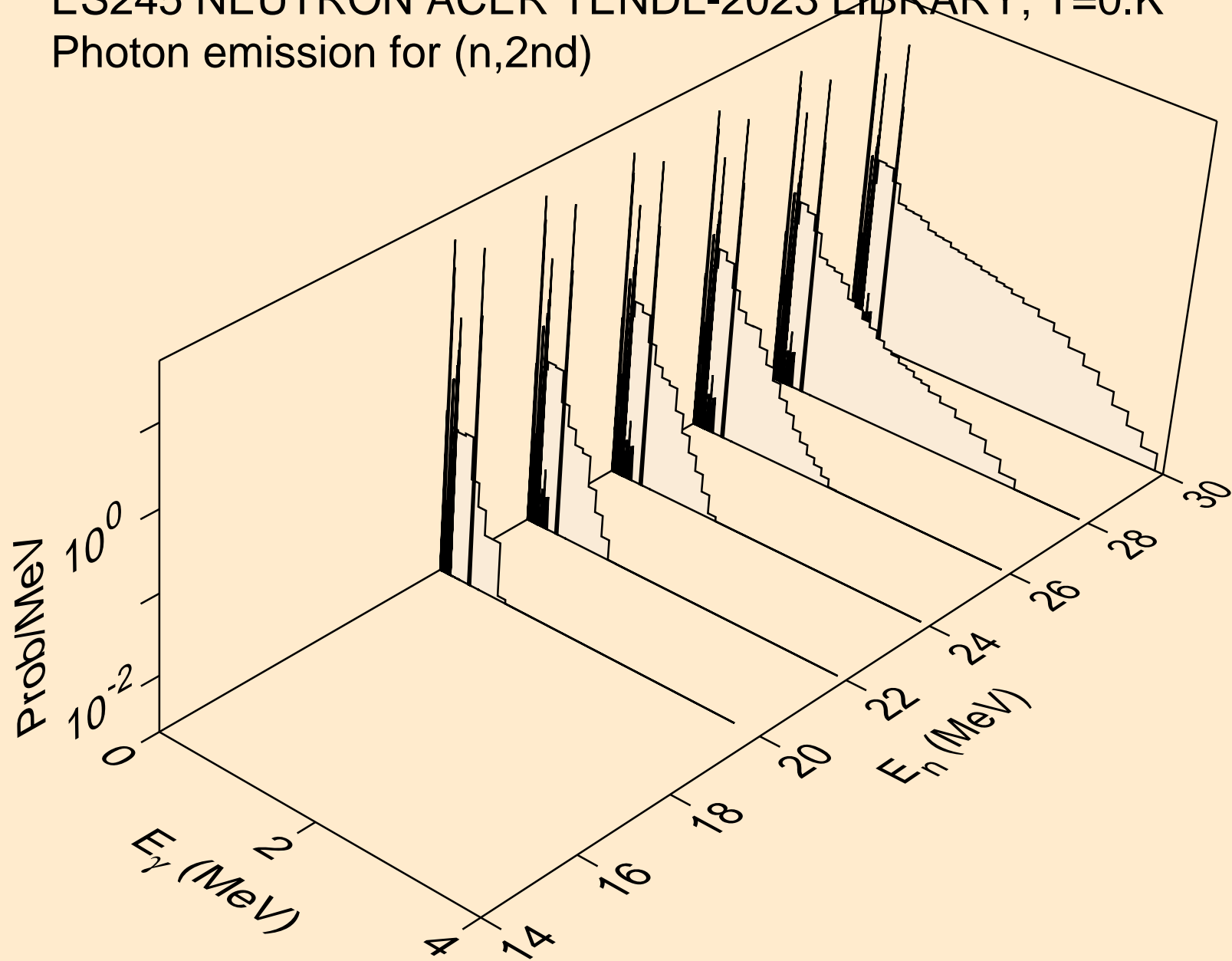
## Delayed neutron spectra



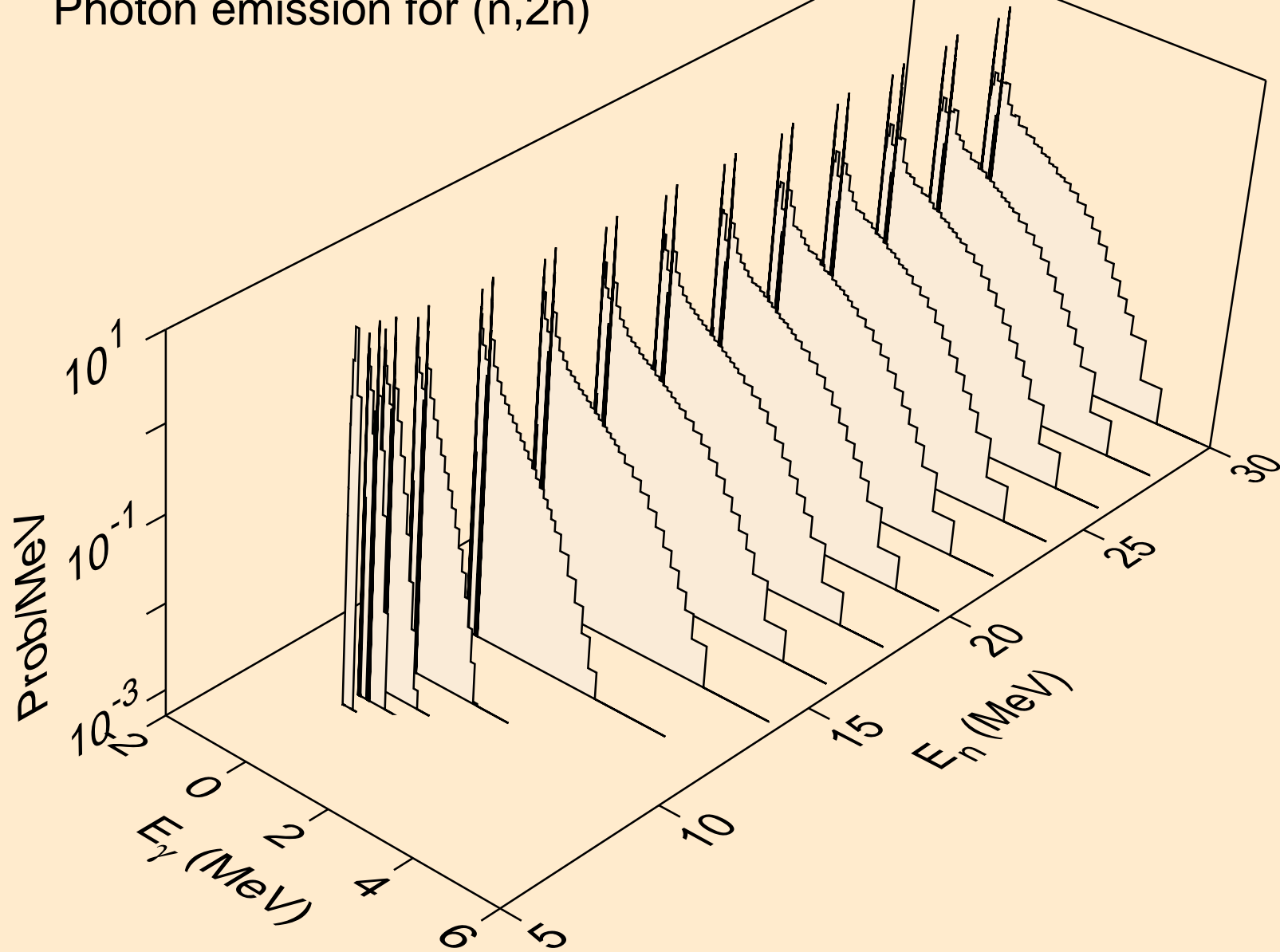
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)

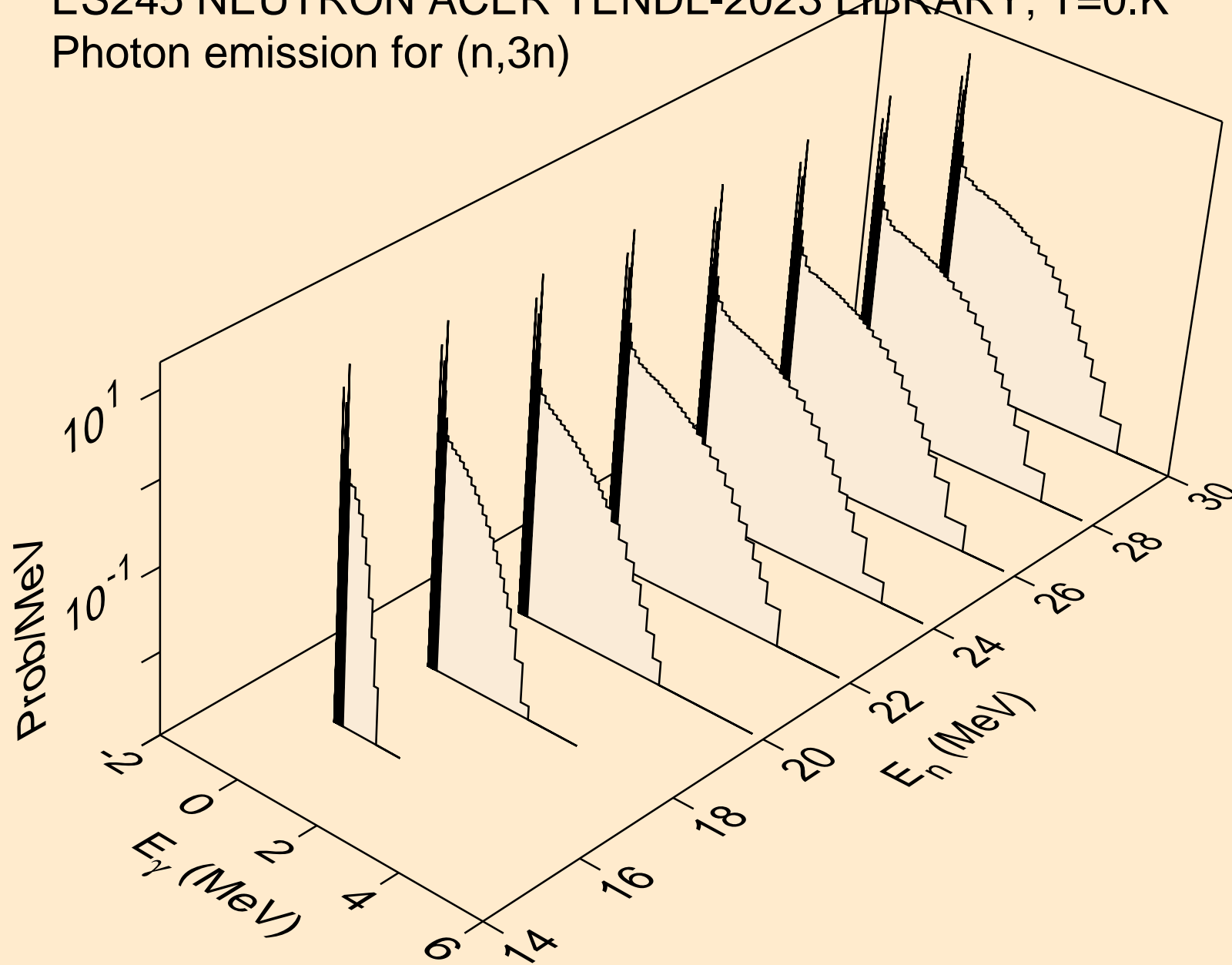


ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)

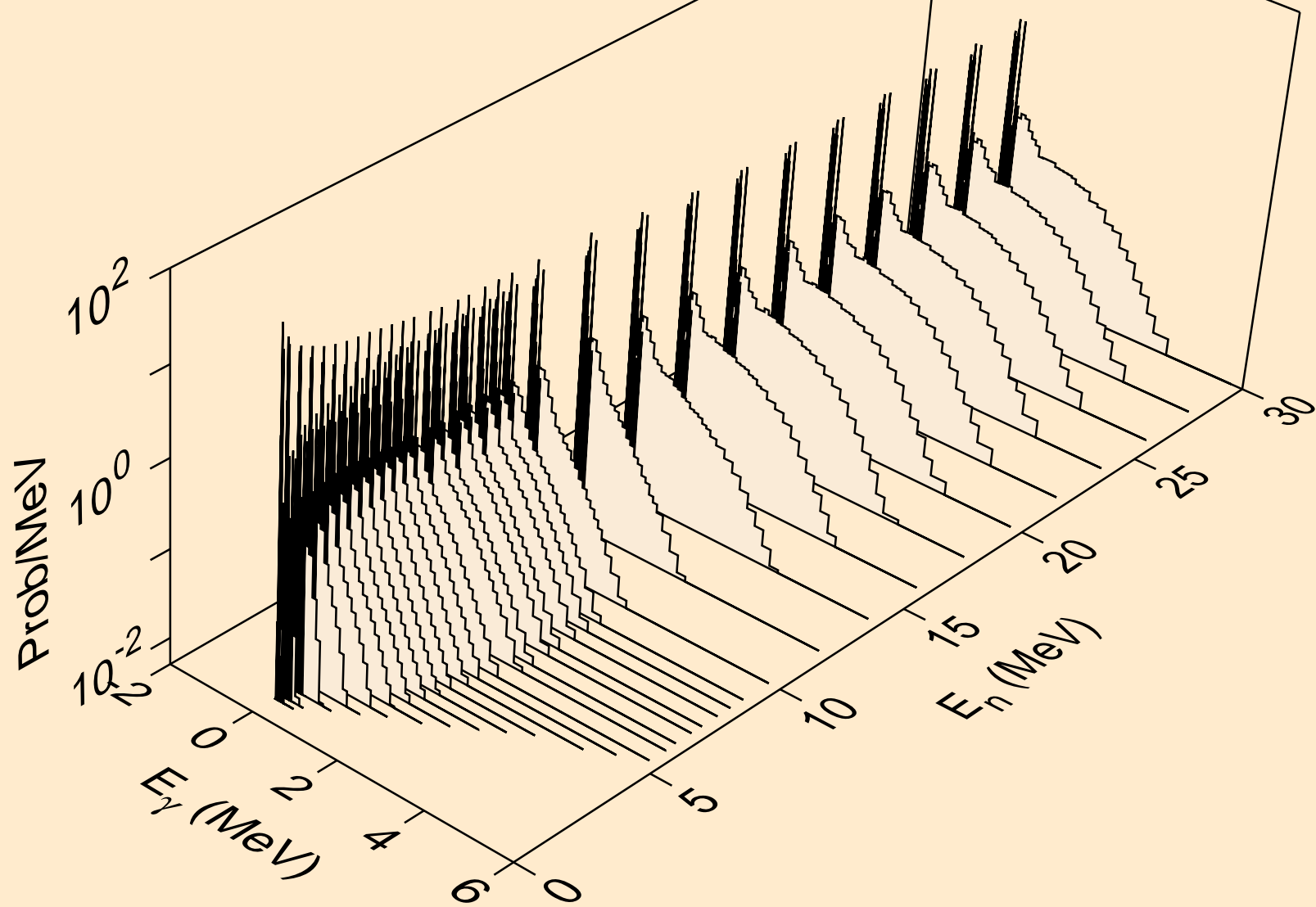




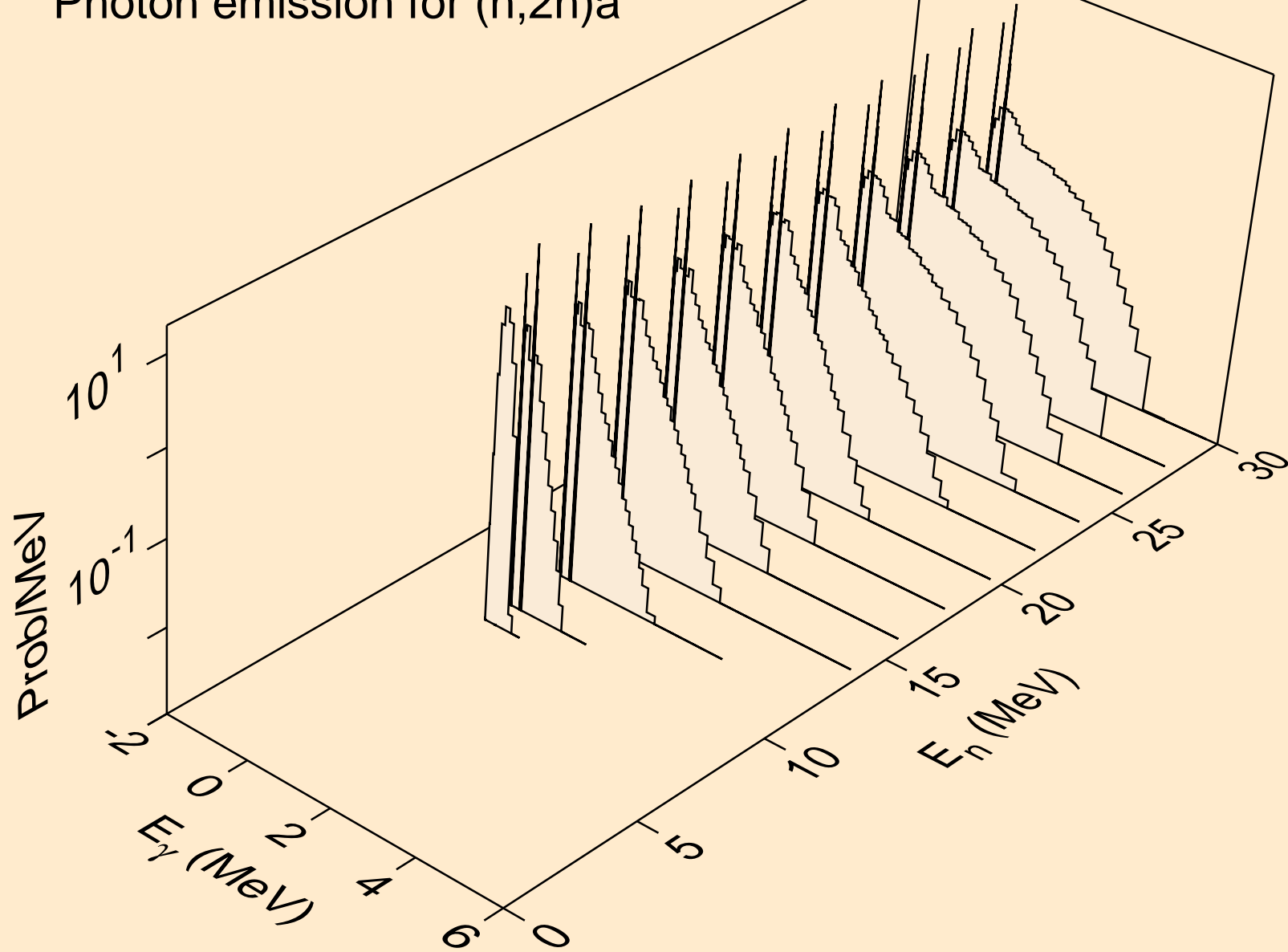
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



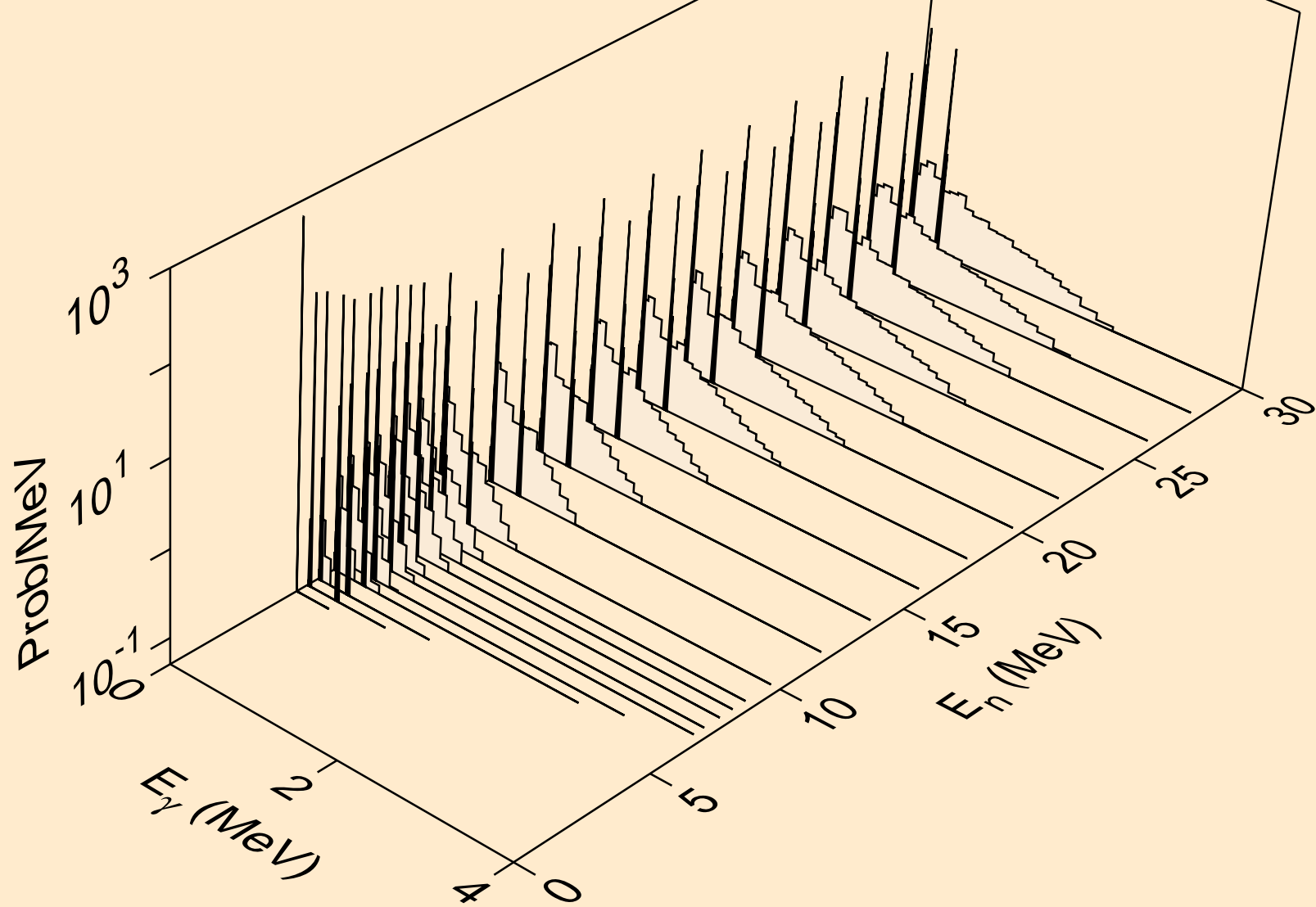
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



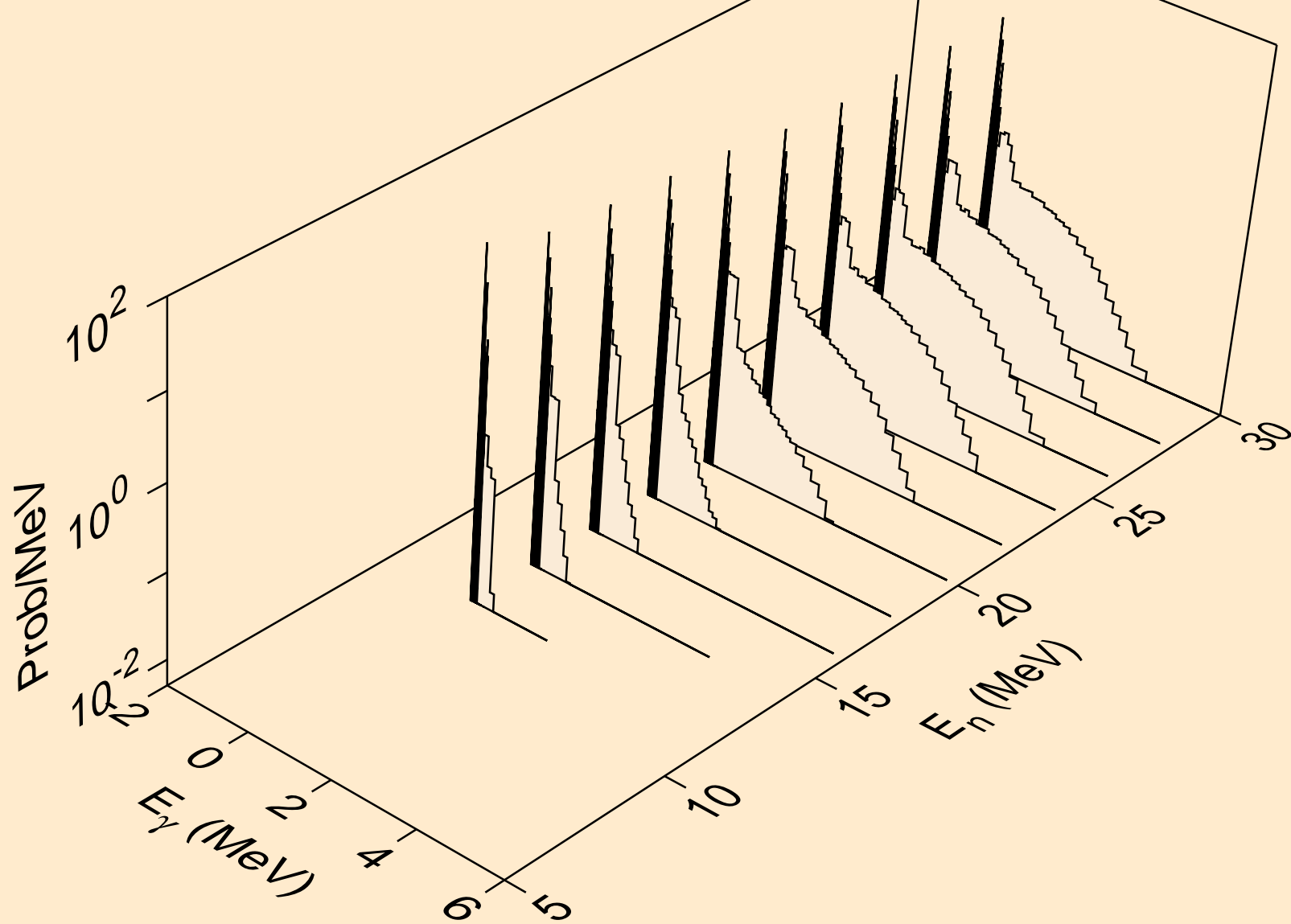
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



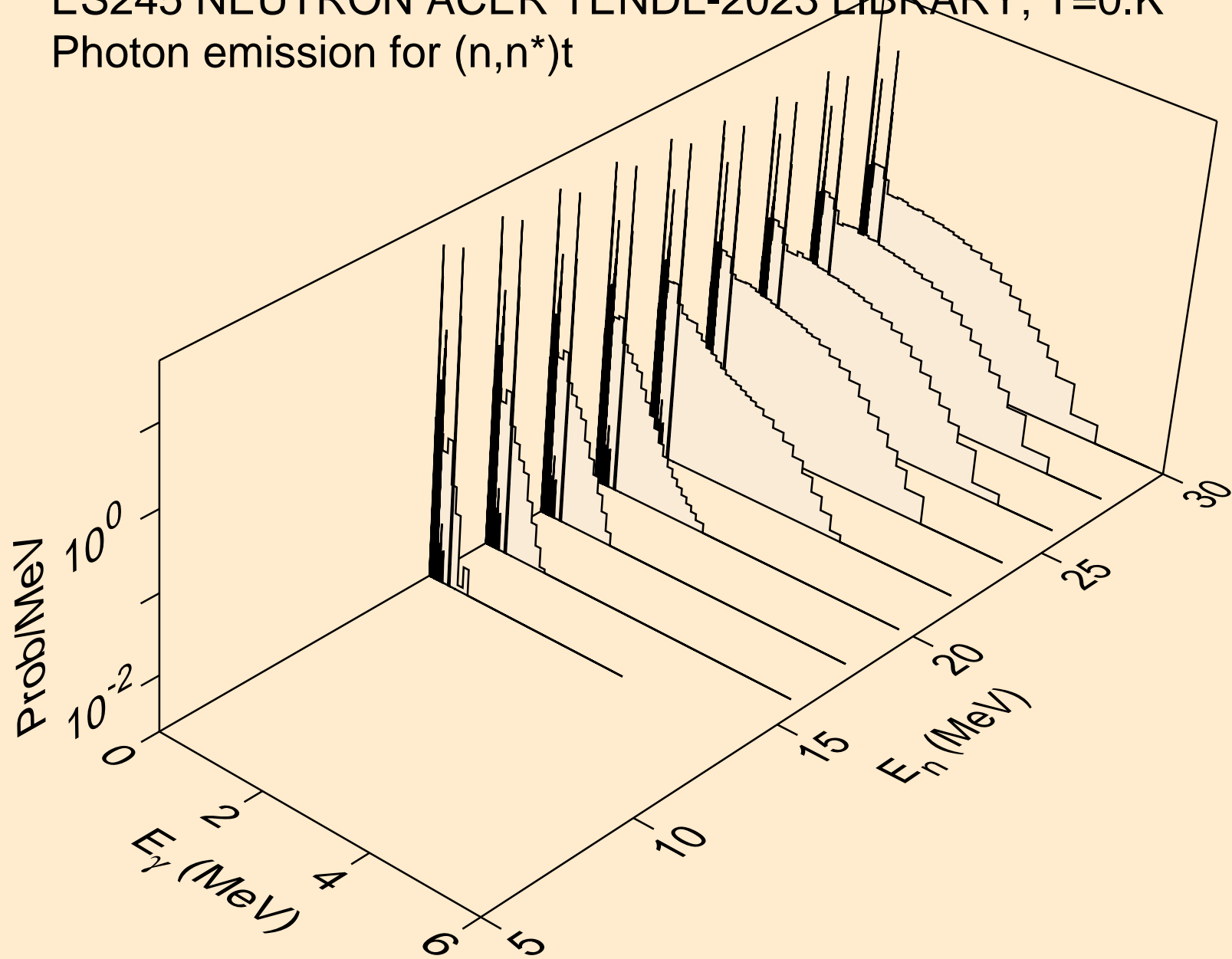
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



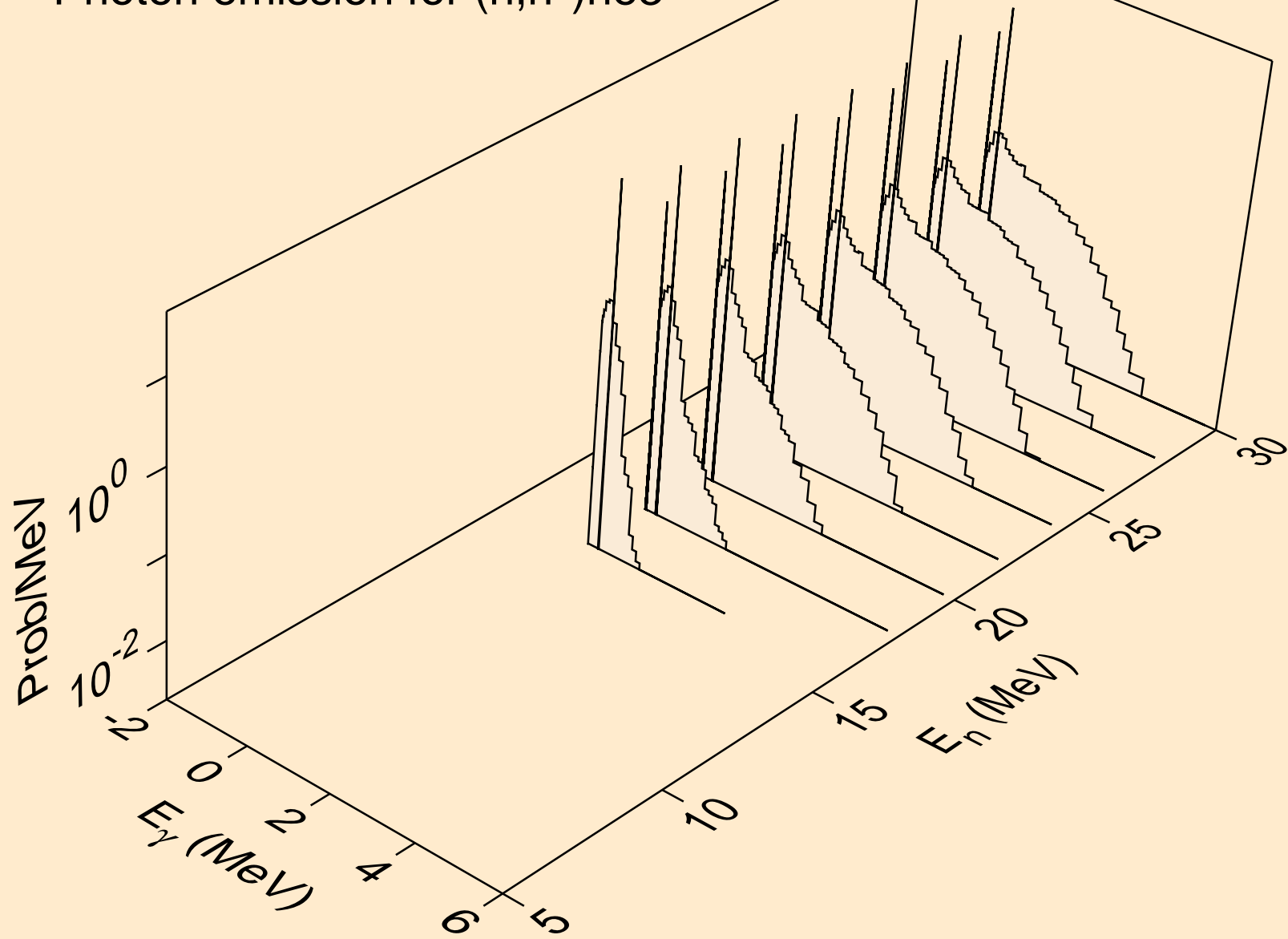
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



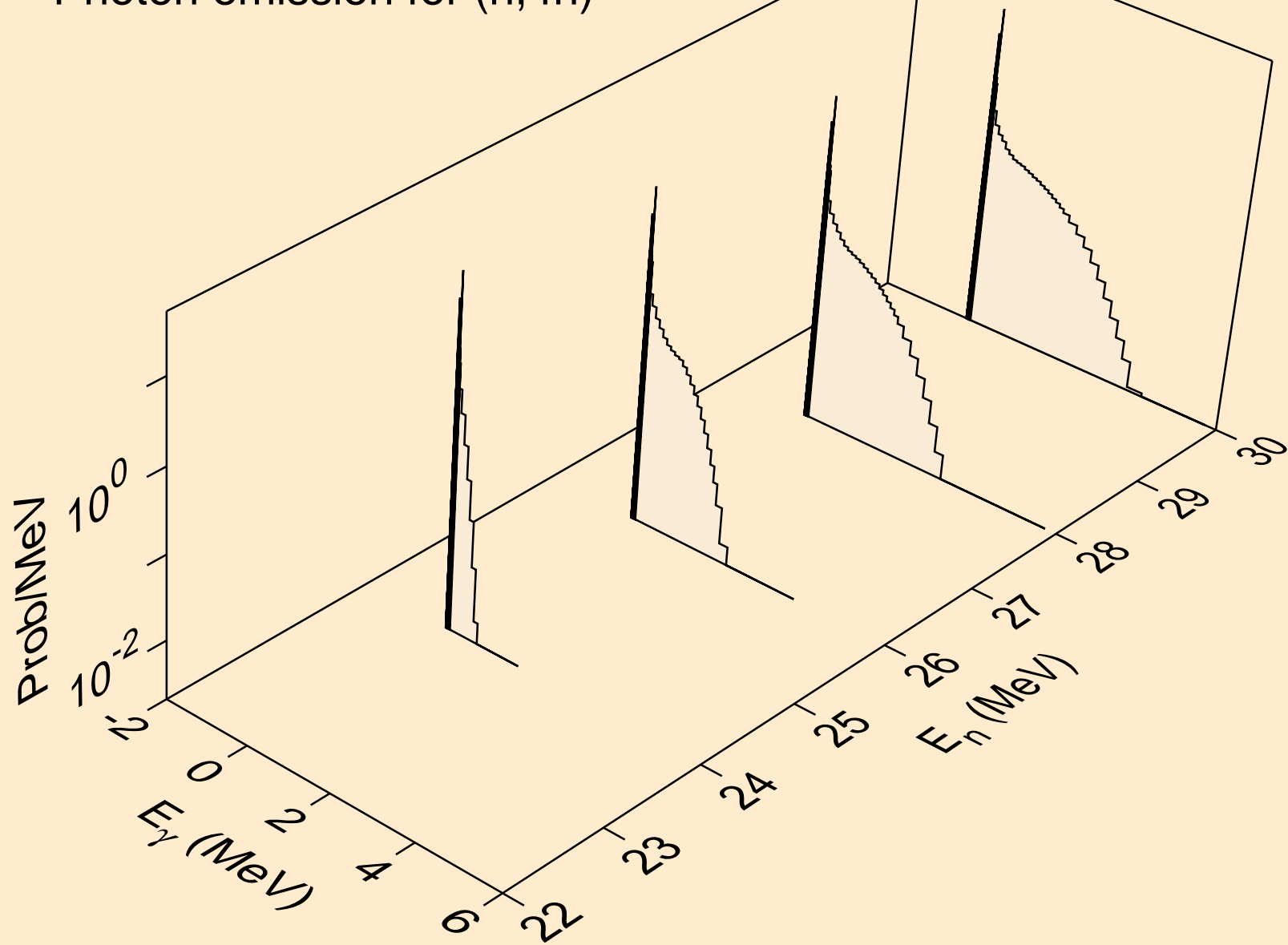
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

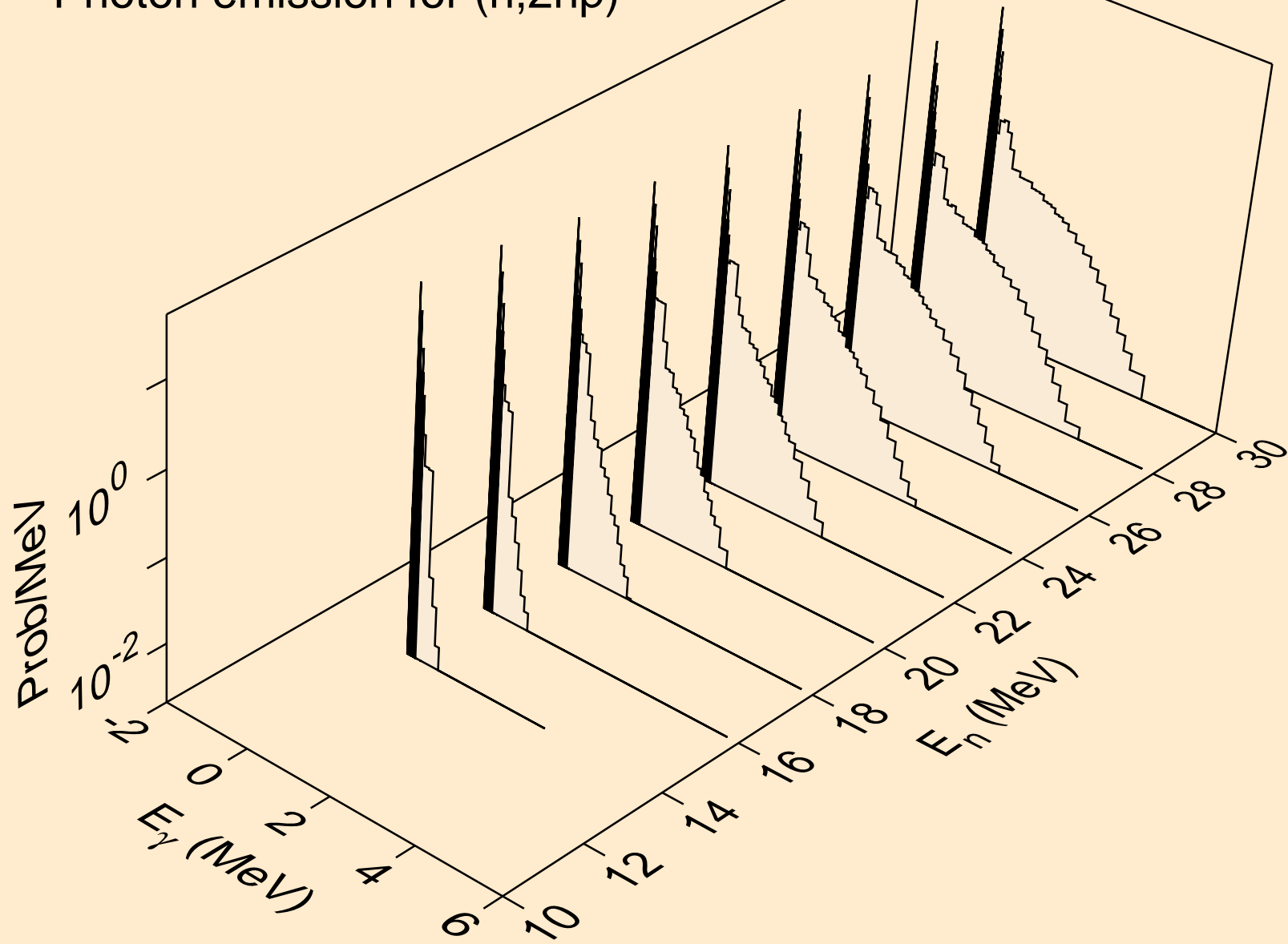


ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)

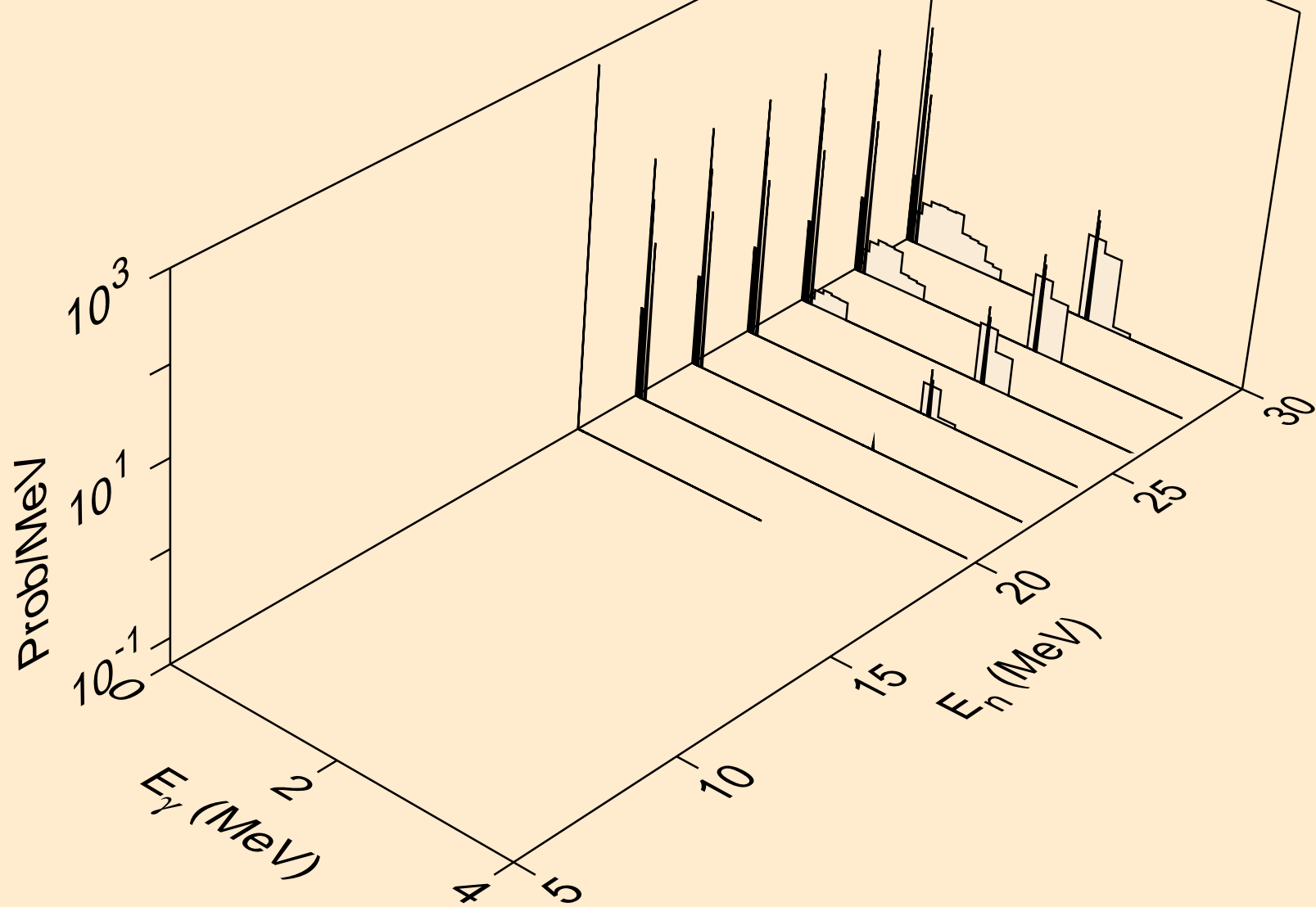




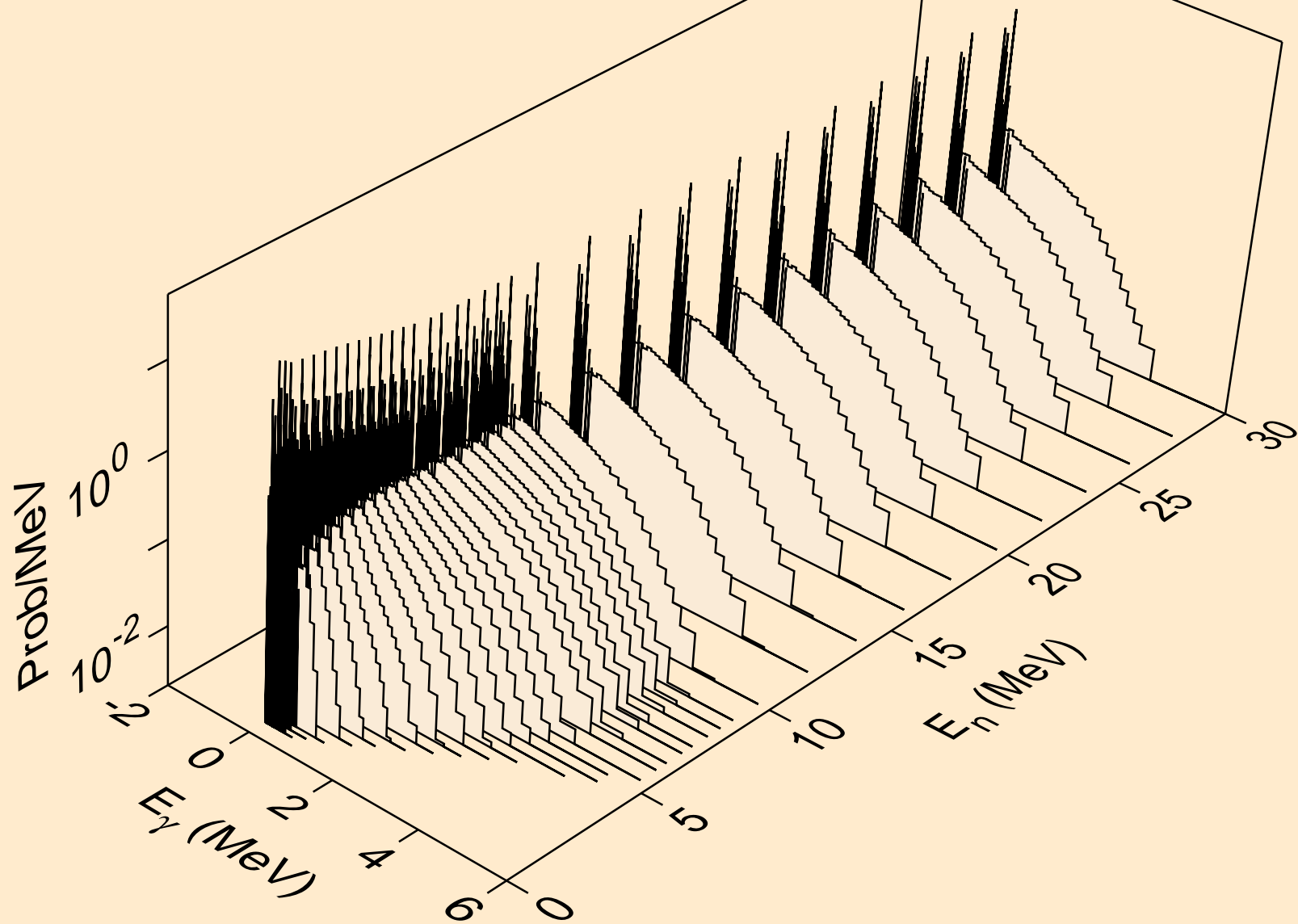
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



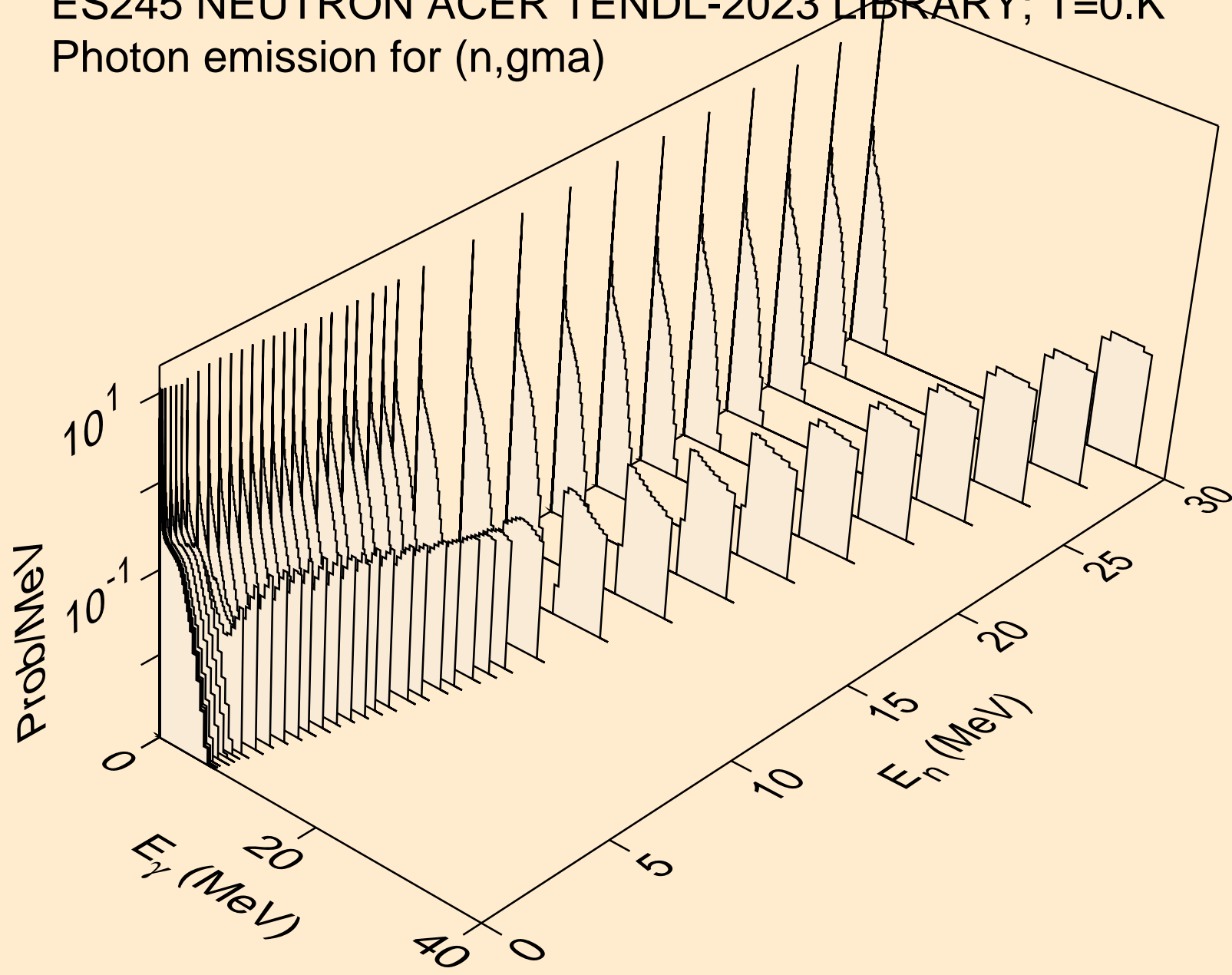
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



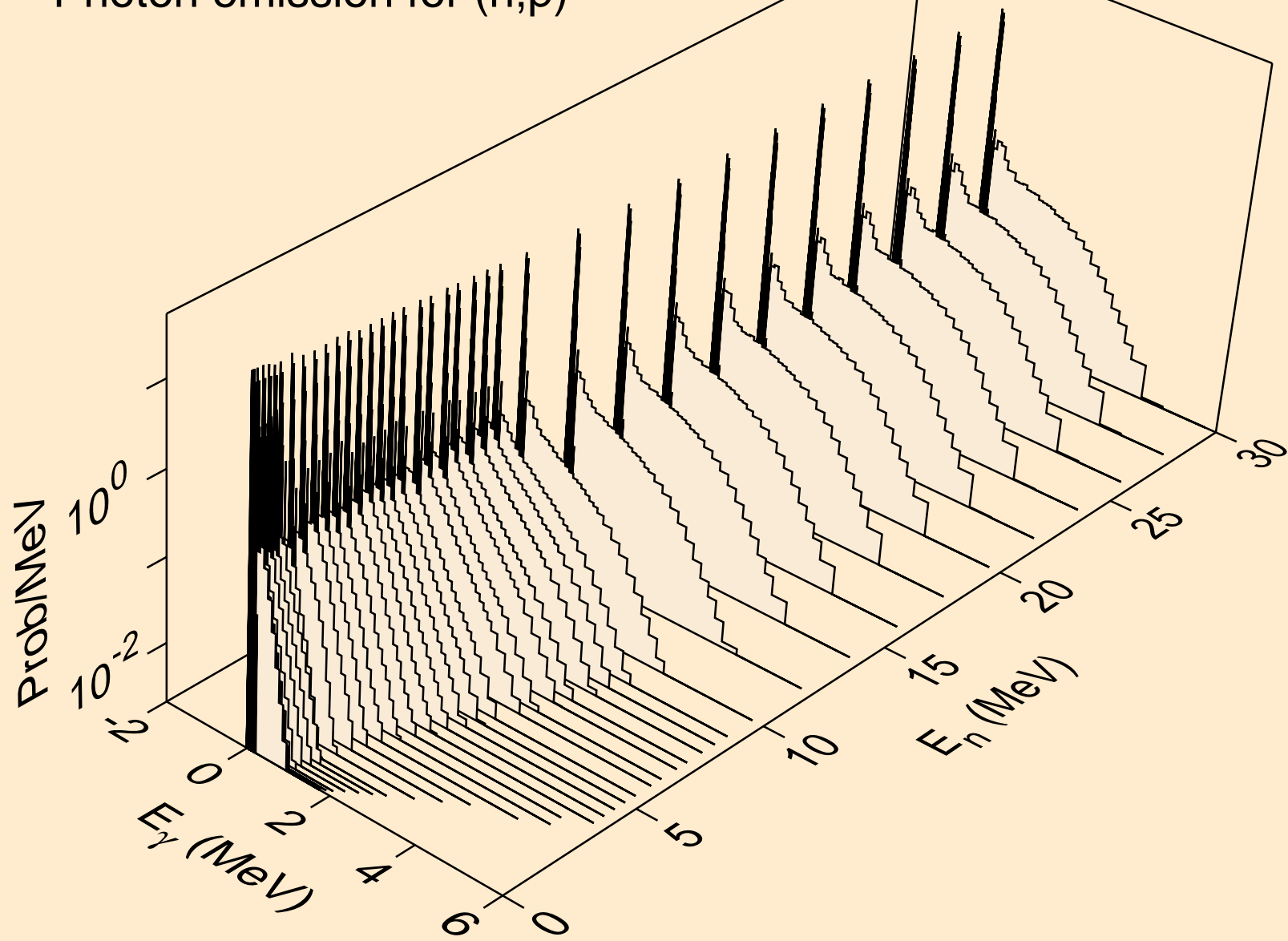
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



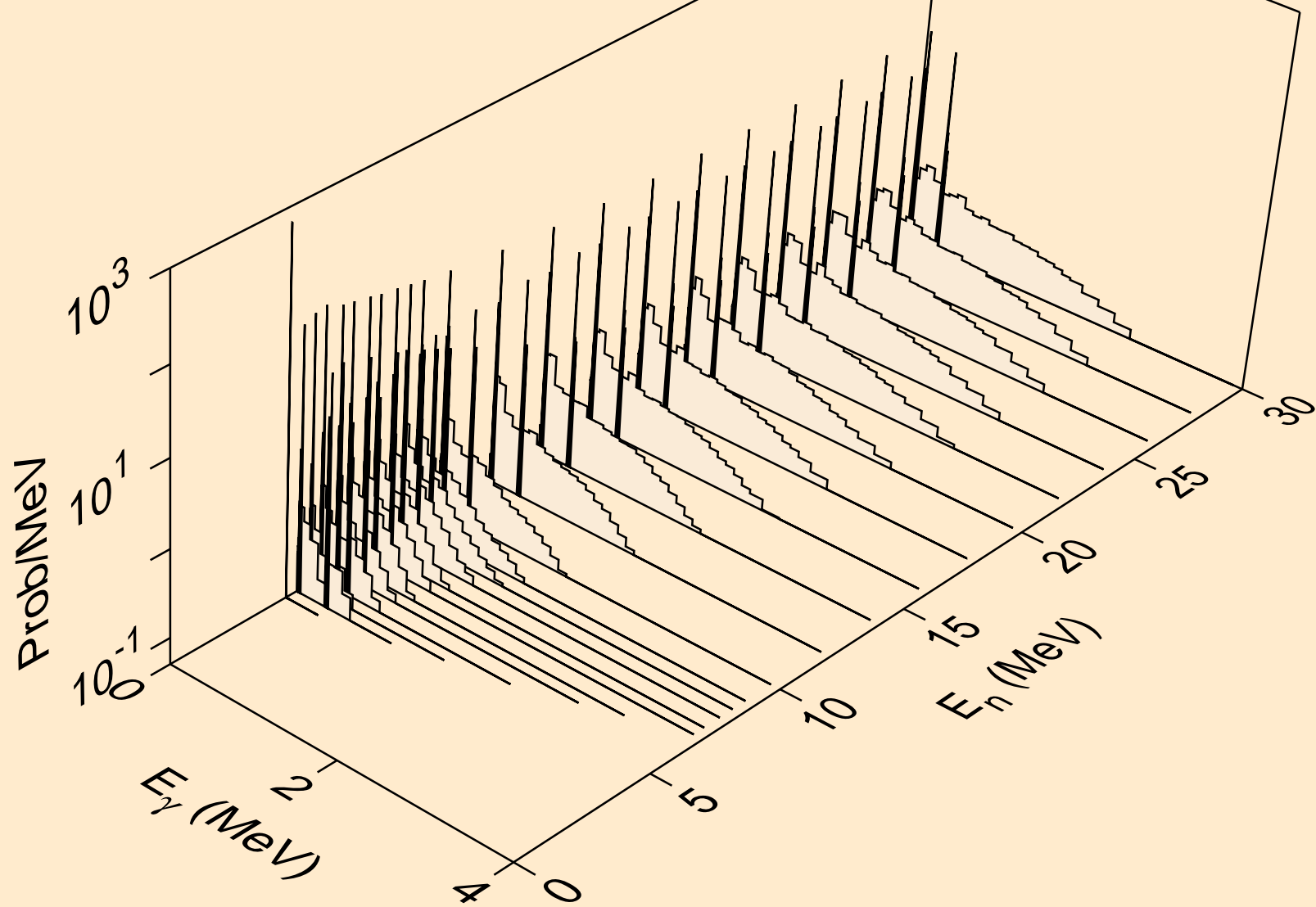
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



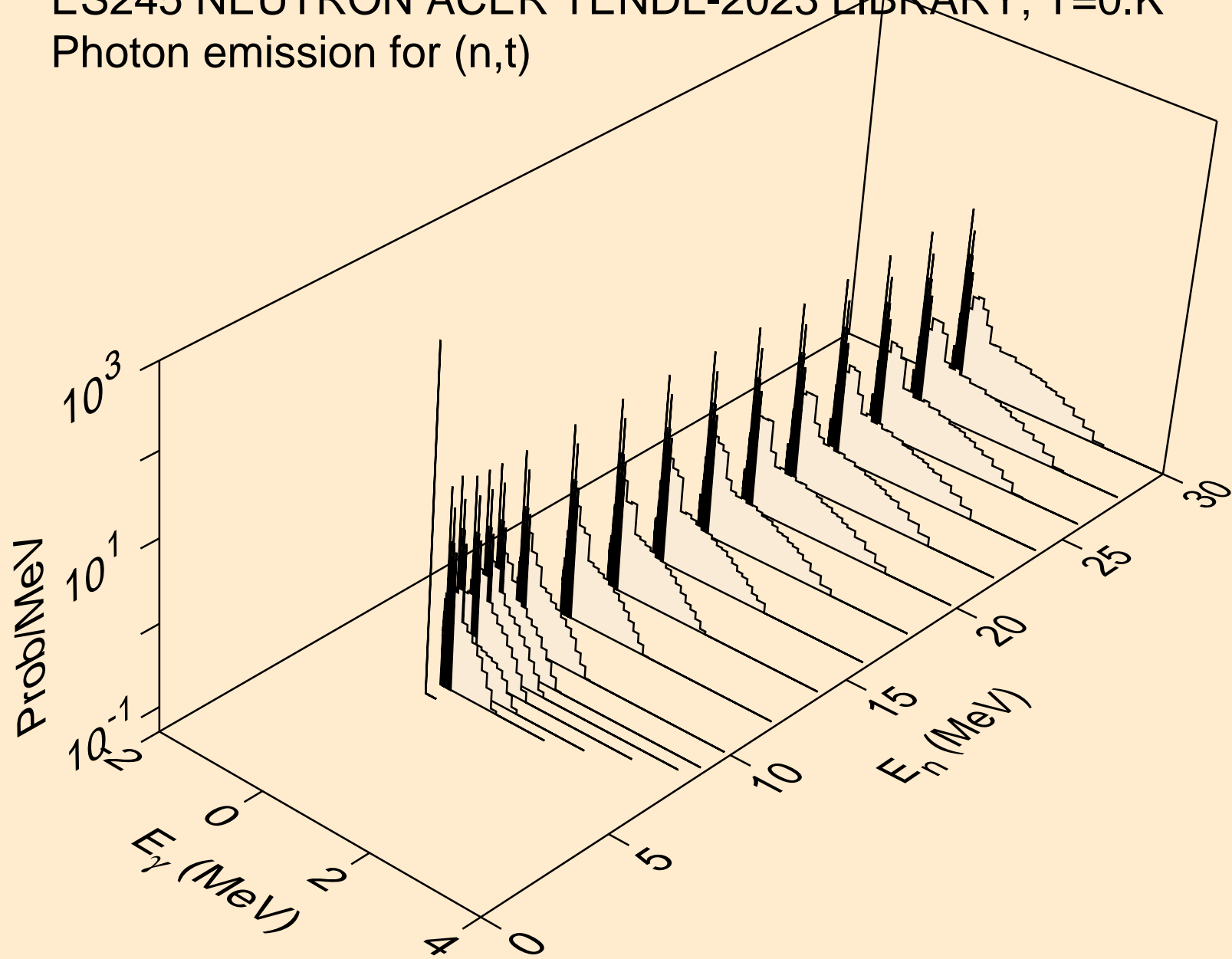
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



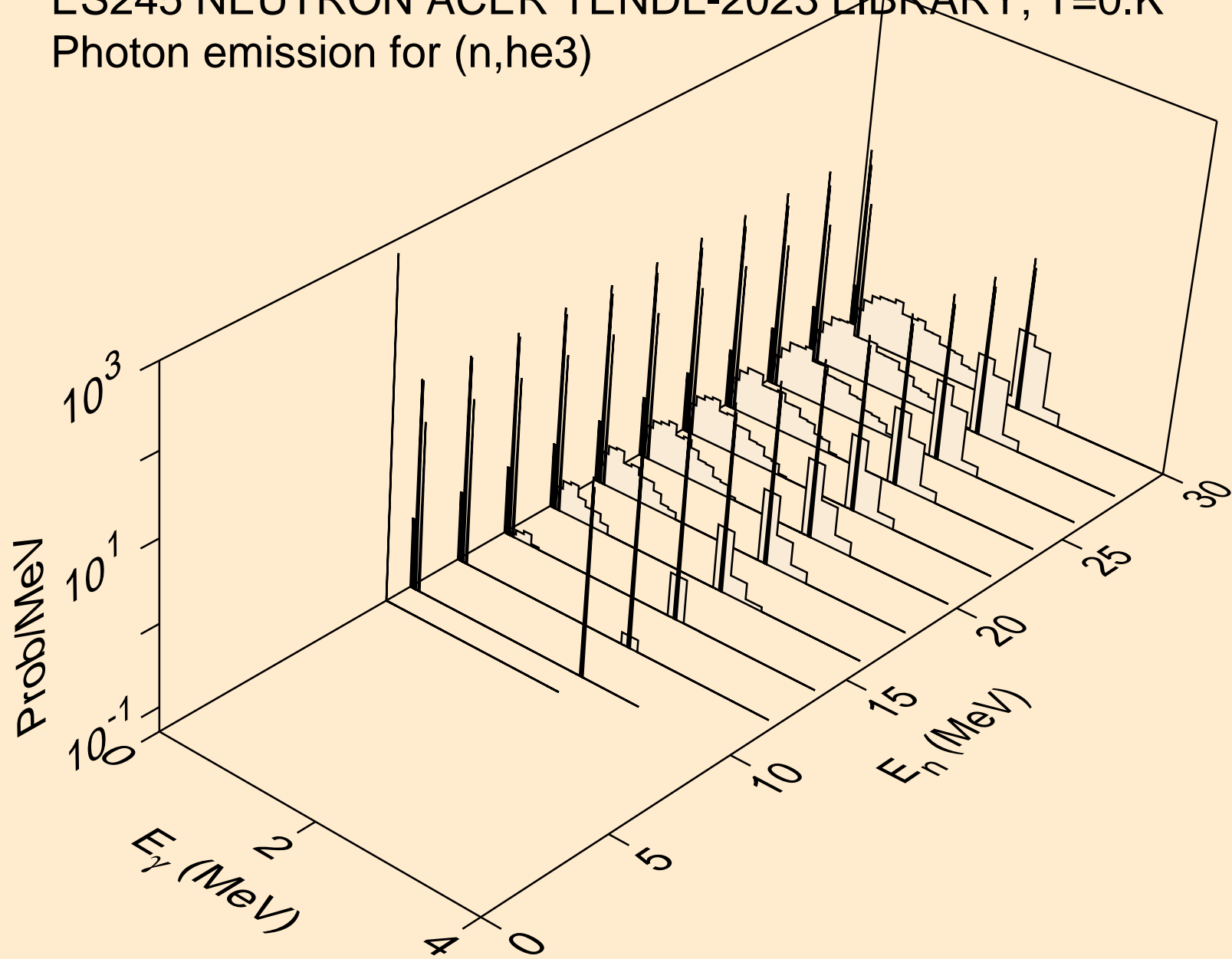
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

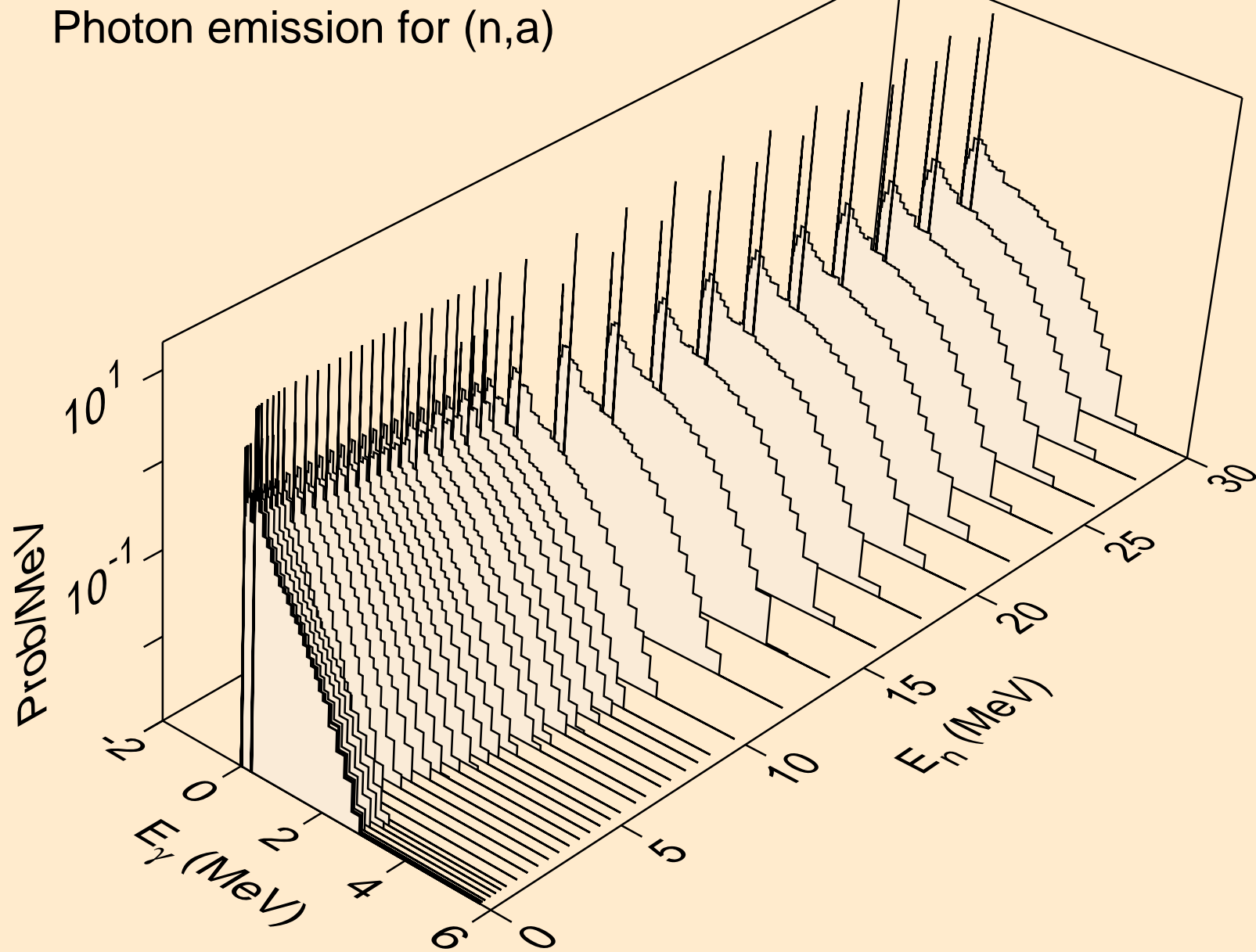


ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)

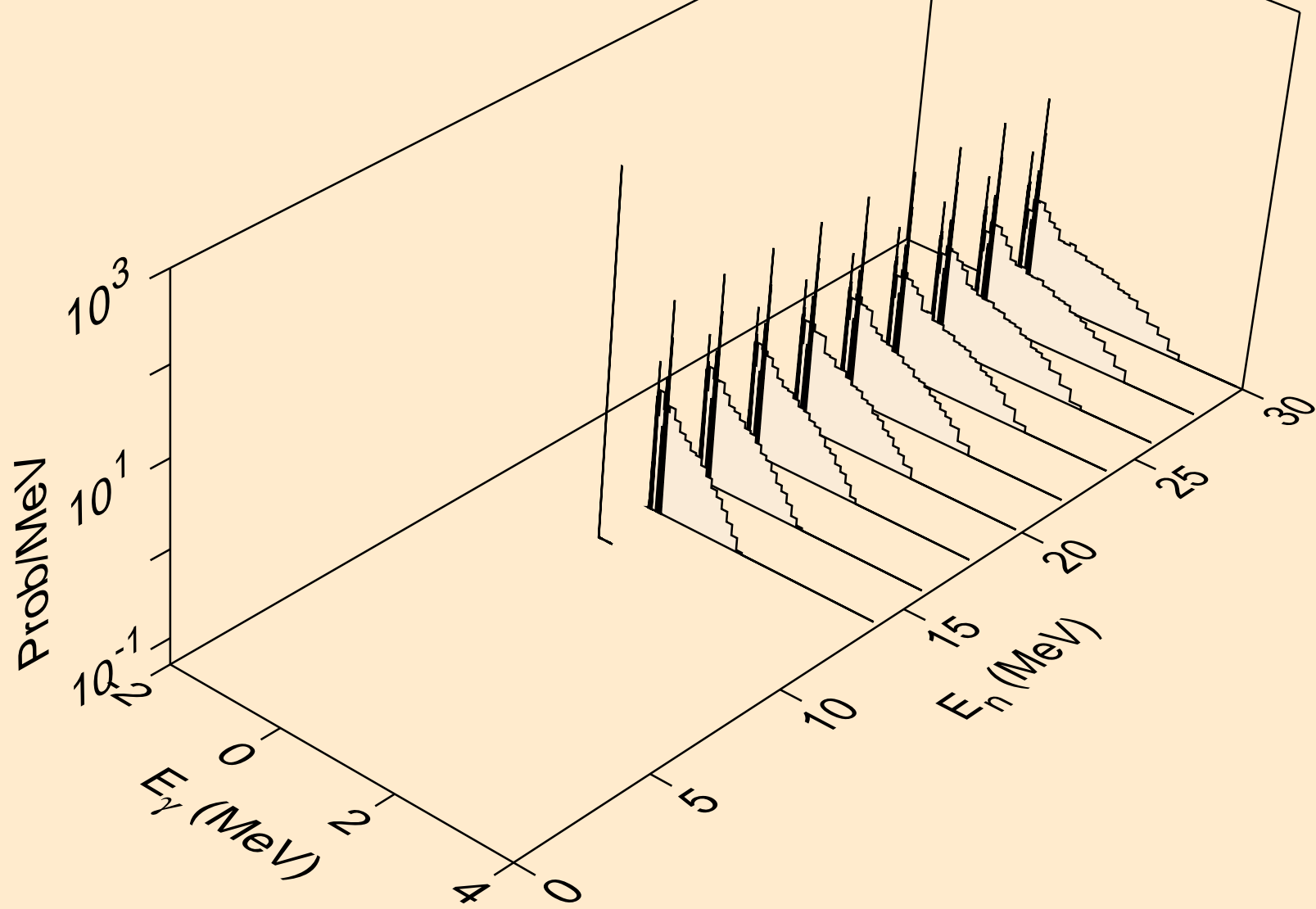




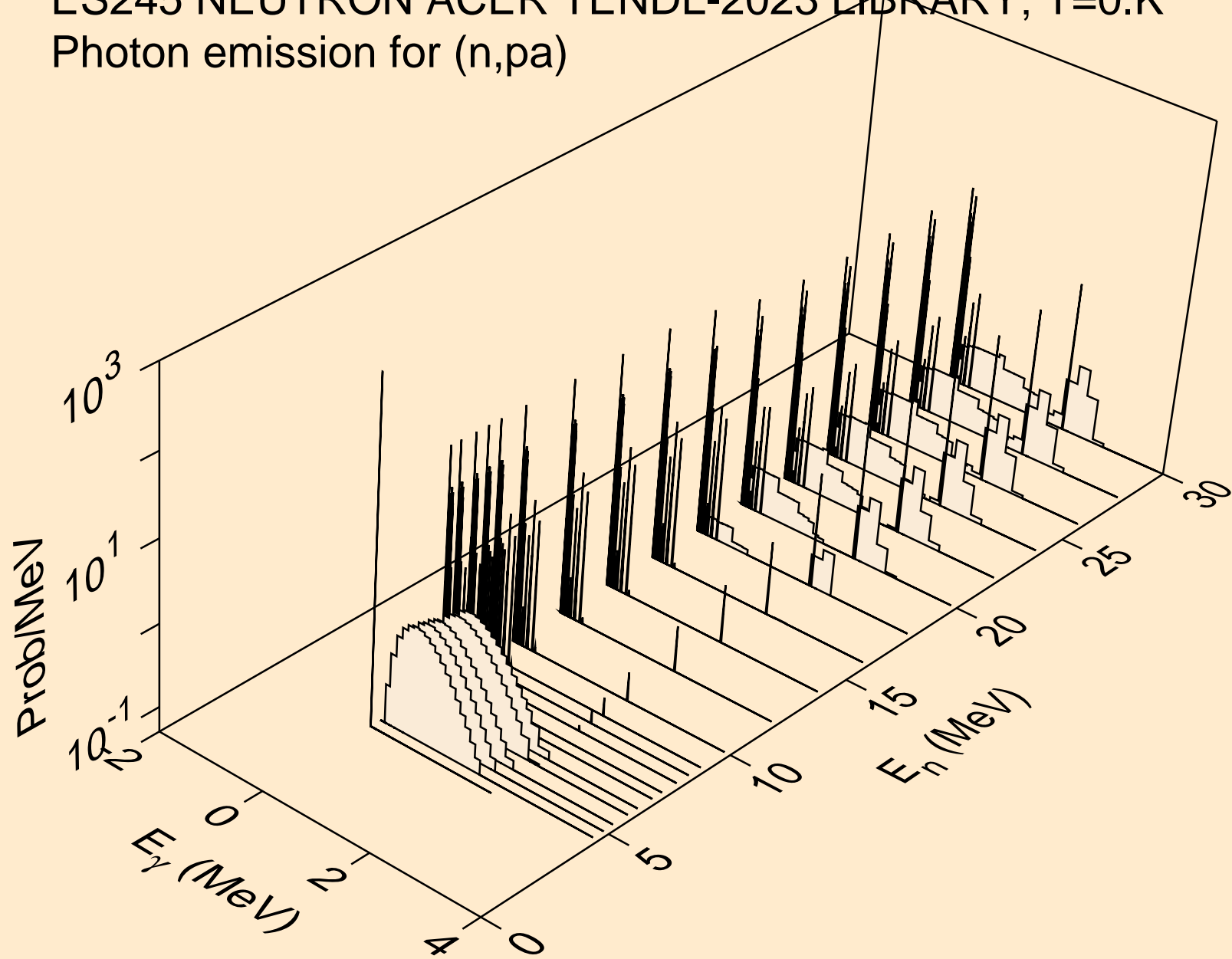
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



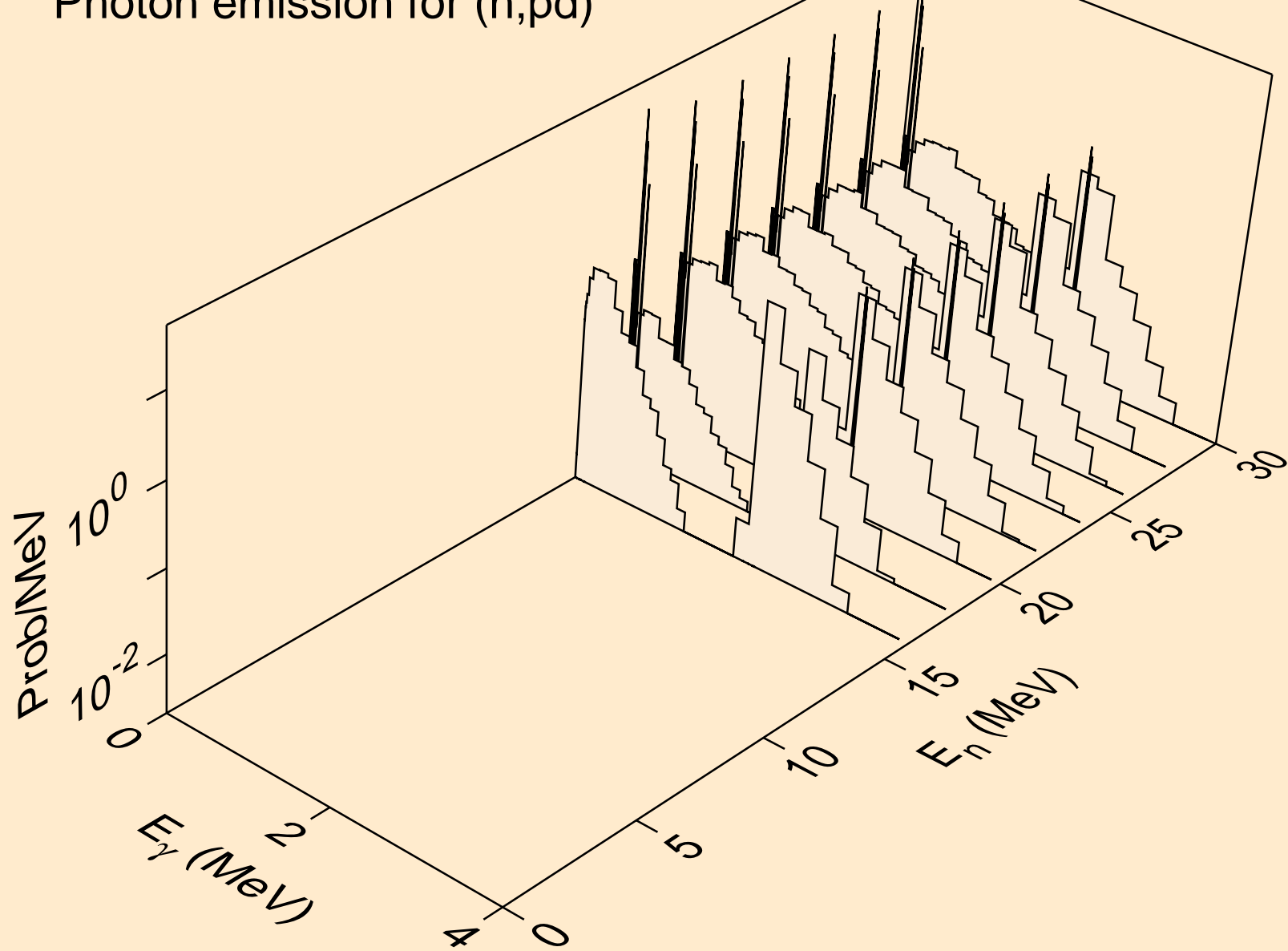
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



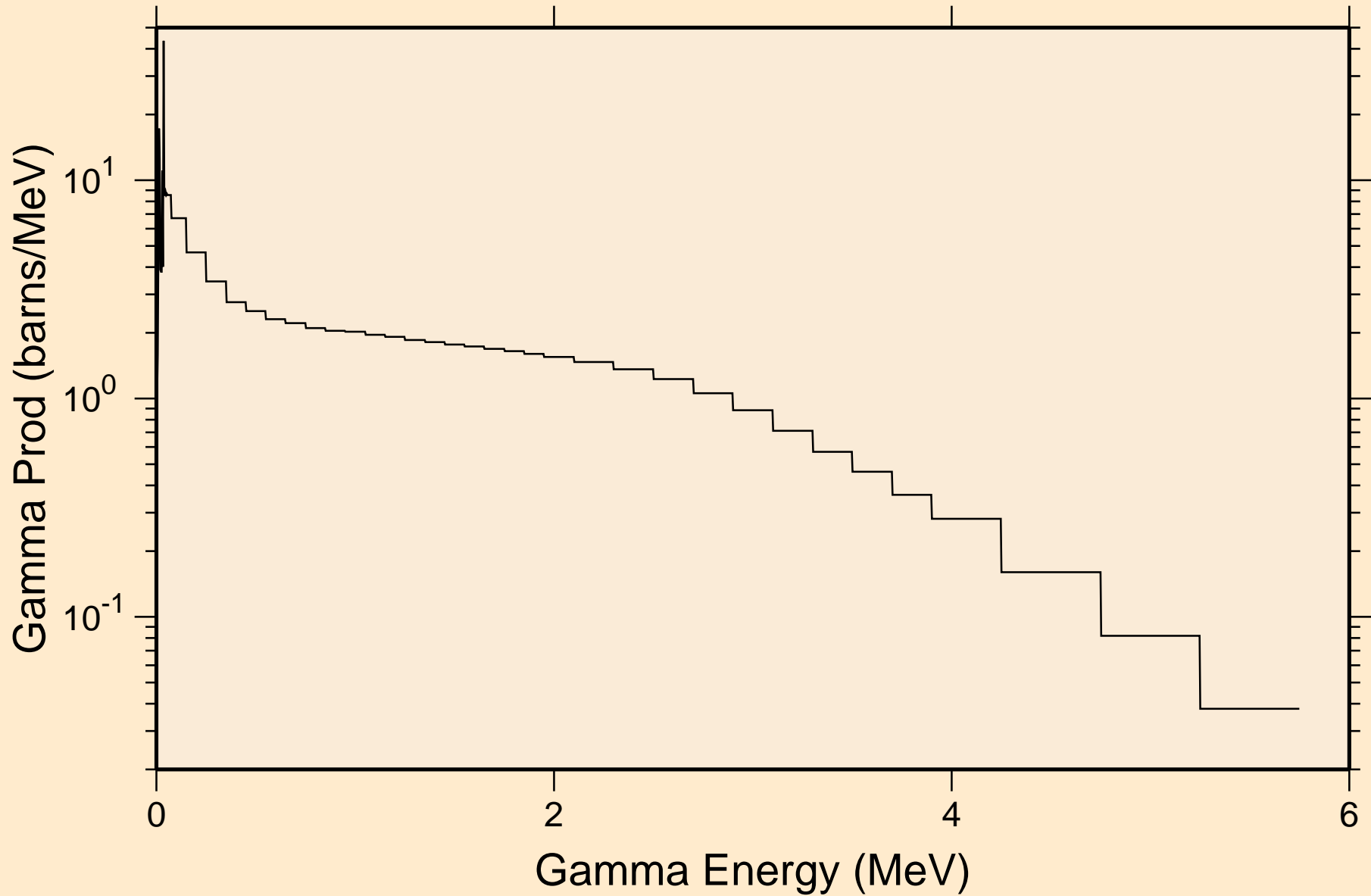
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



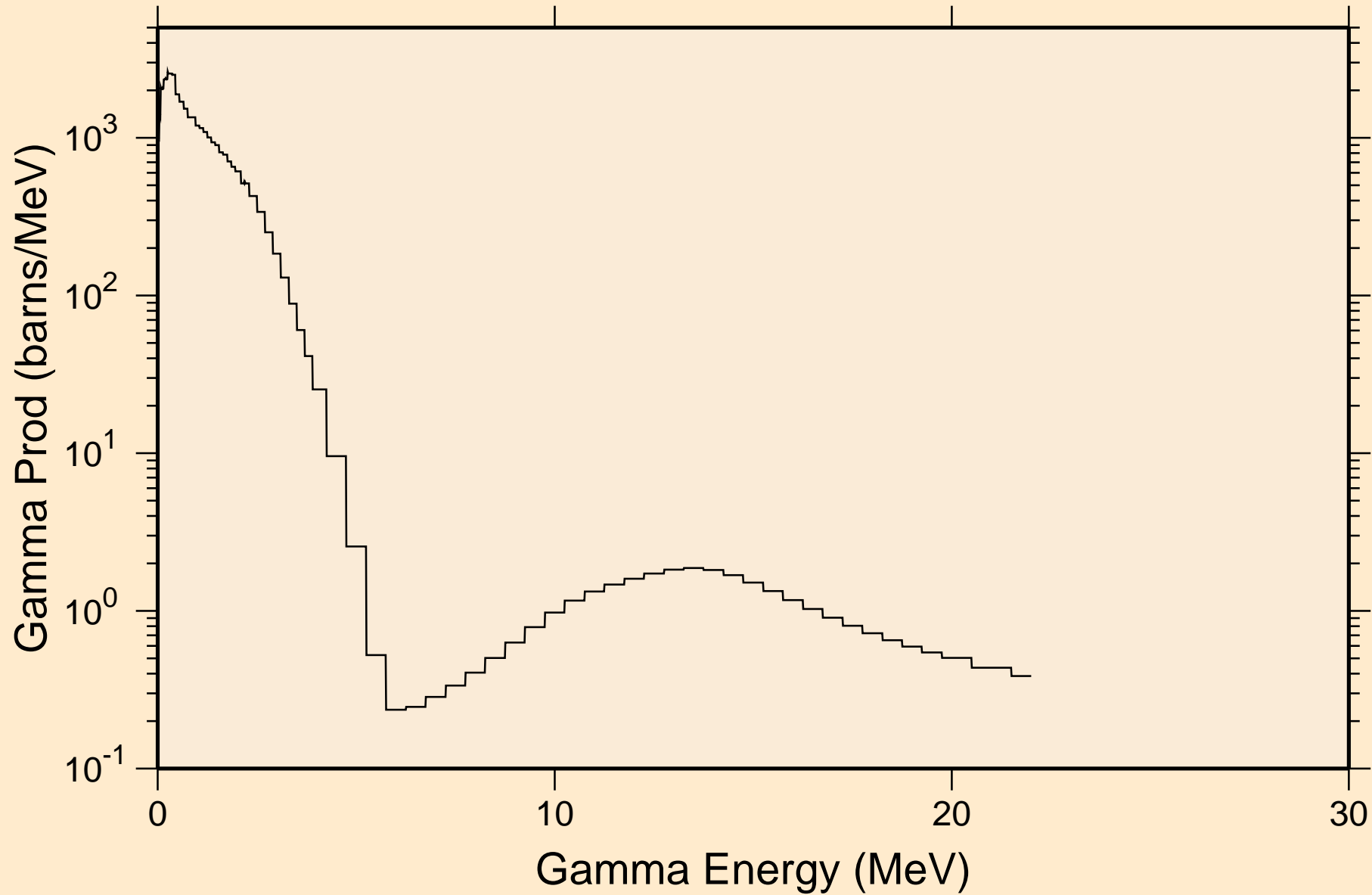
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

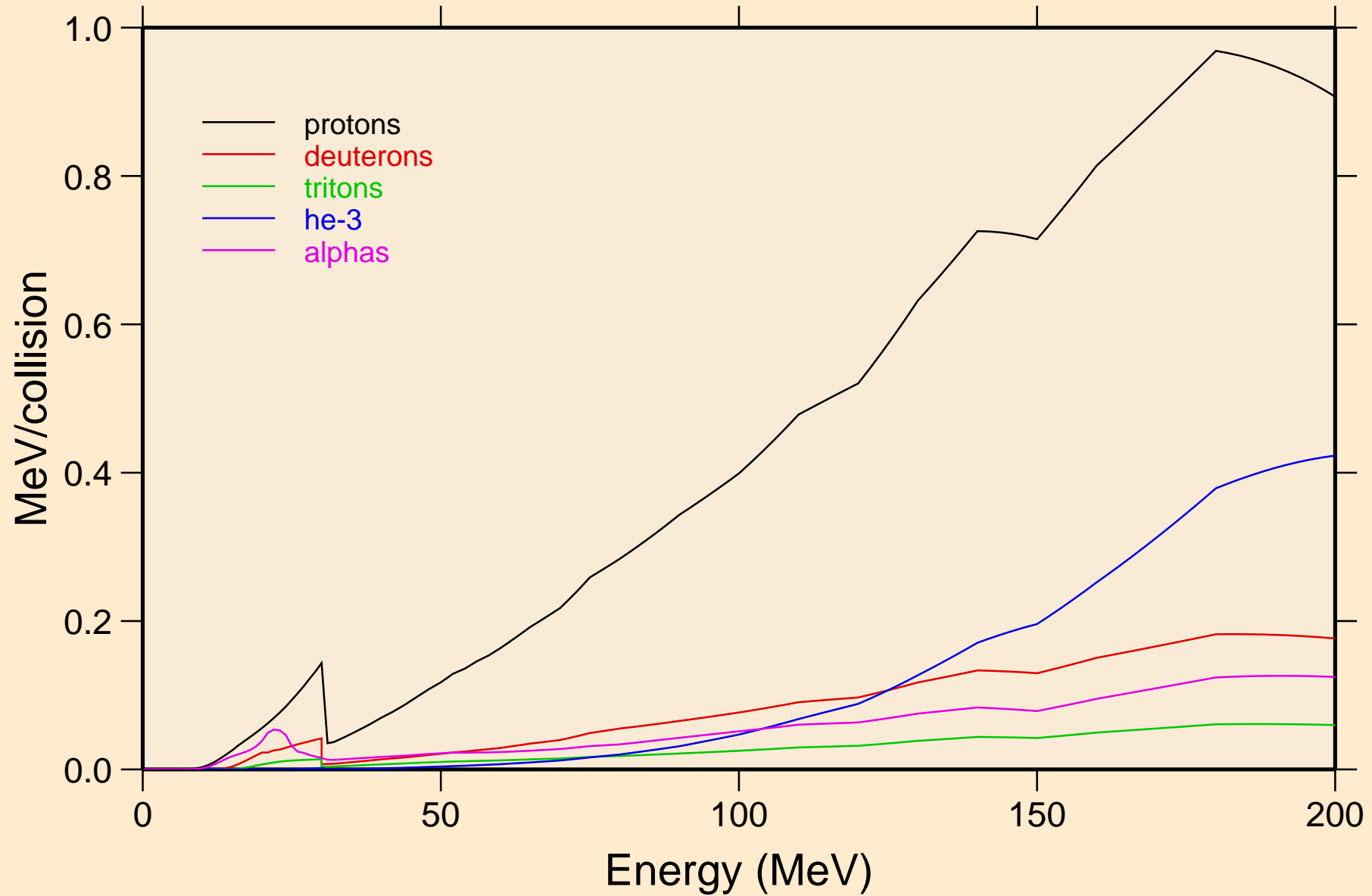


ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

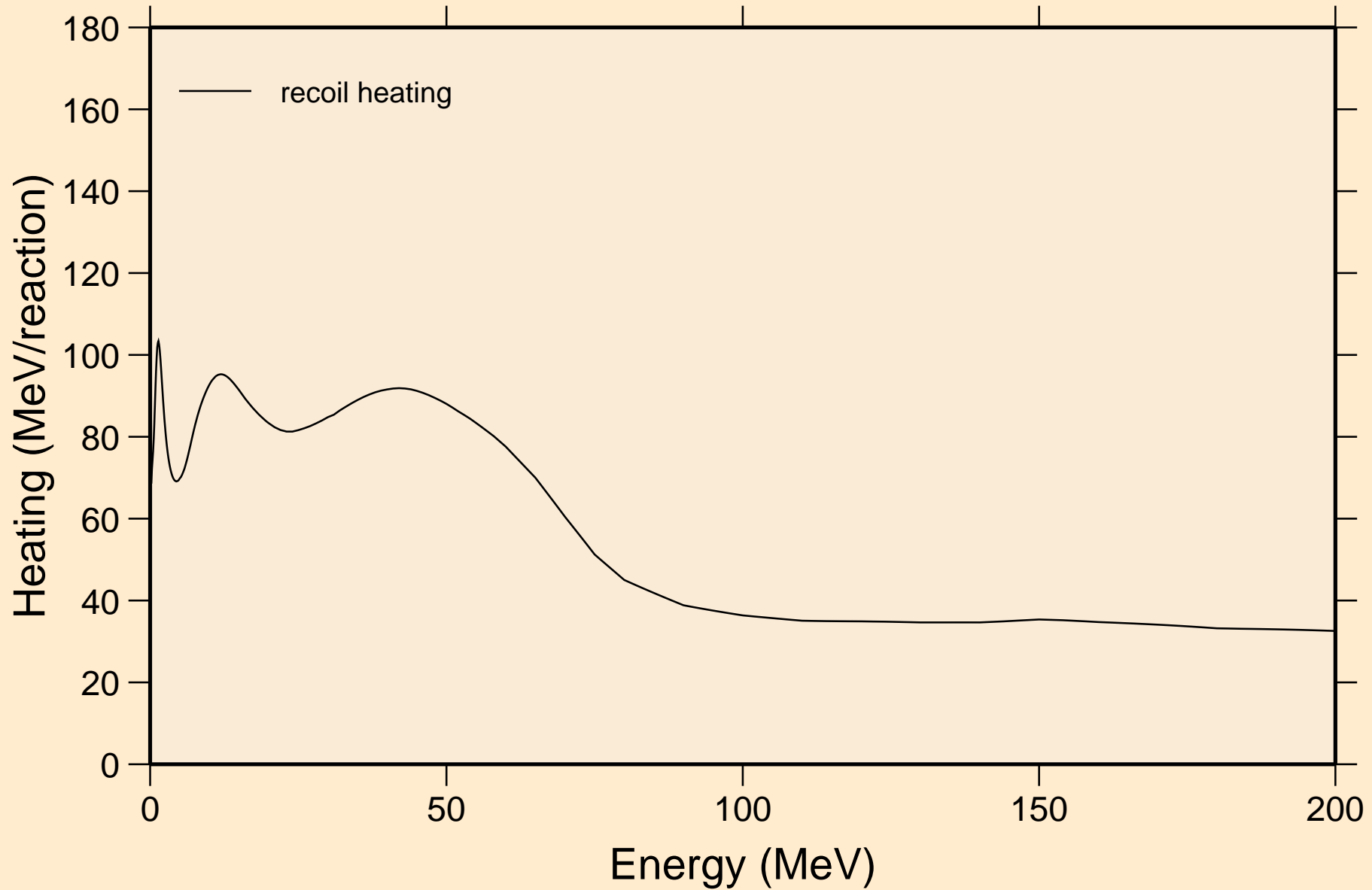


# ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions



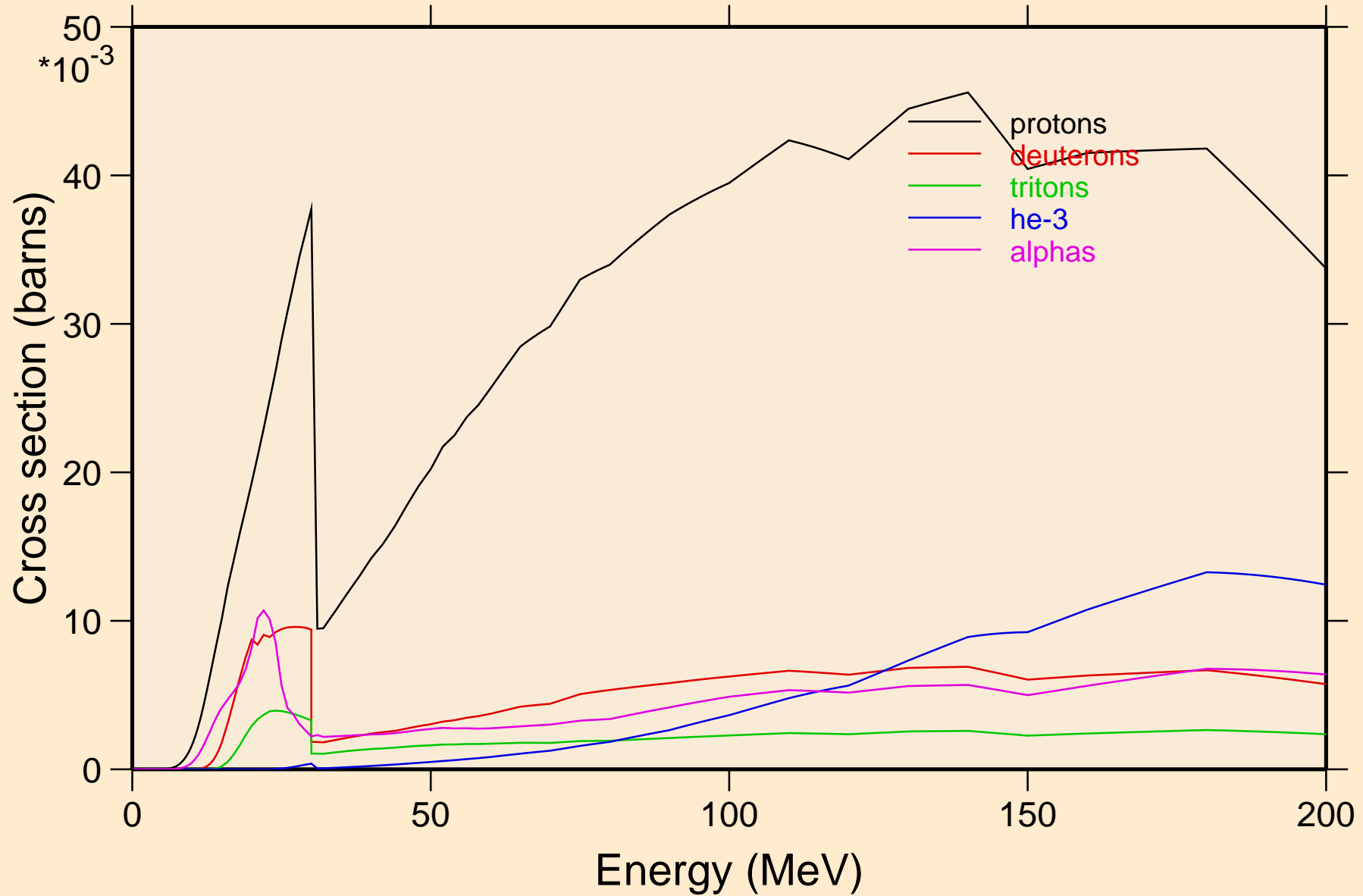
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



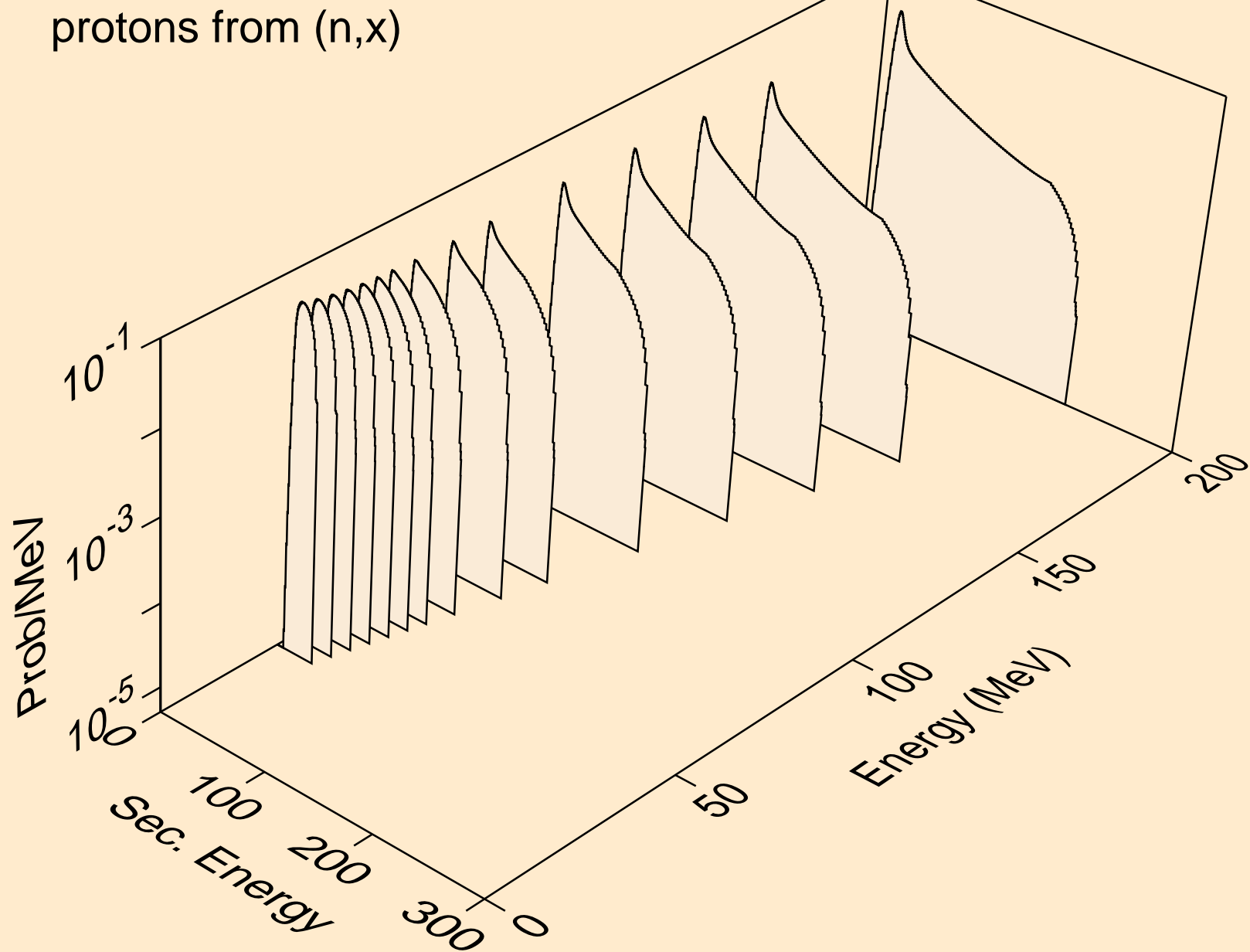


# ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

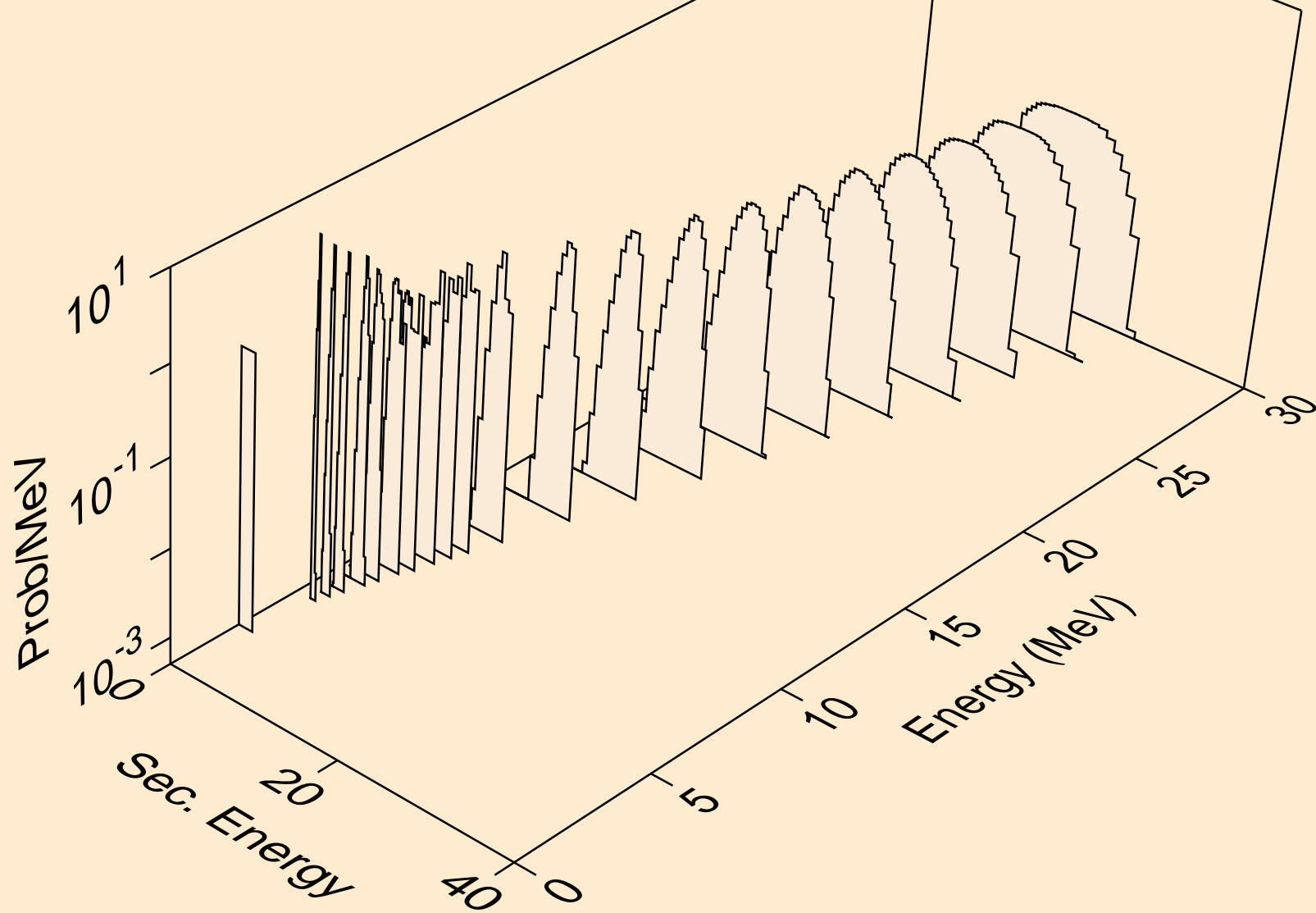
## Particle production cross sections



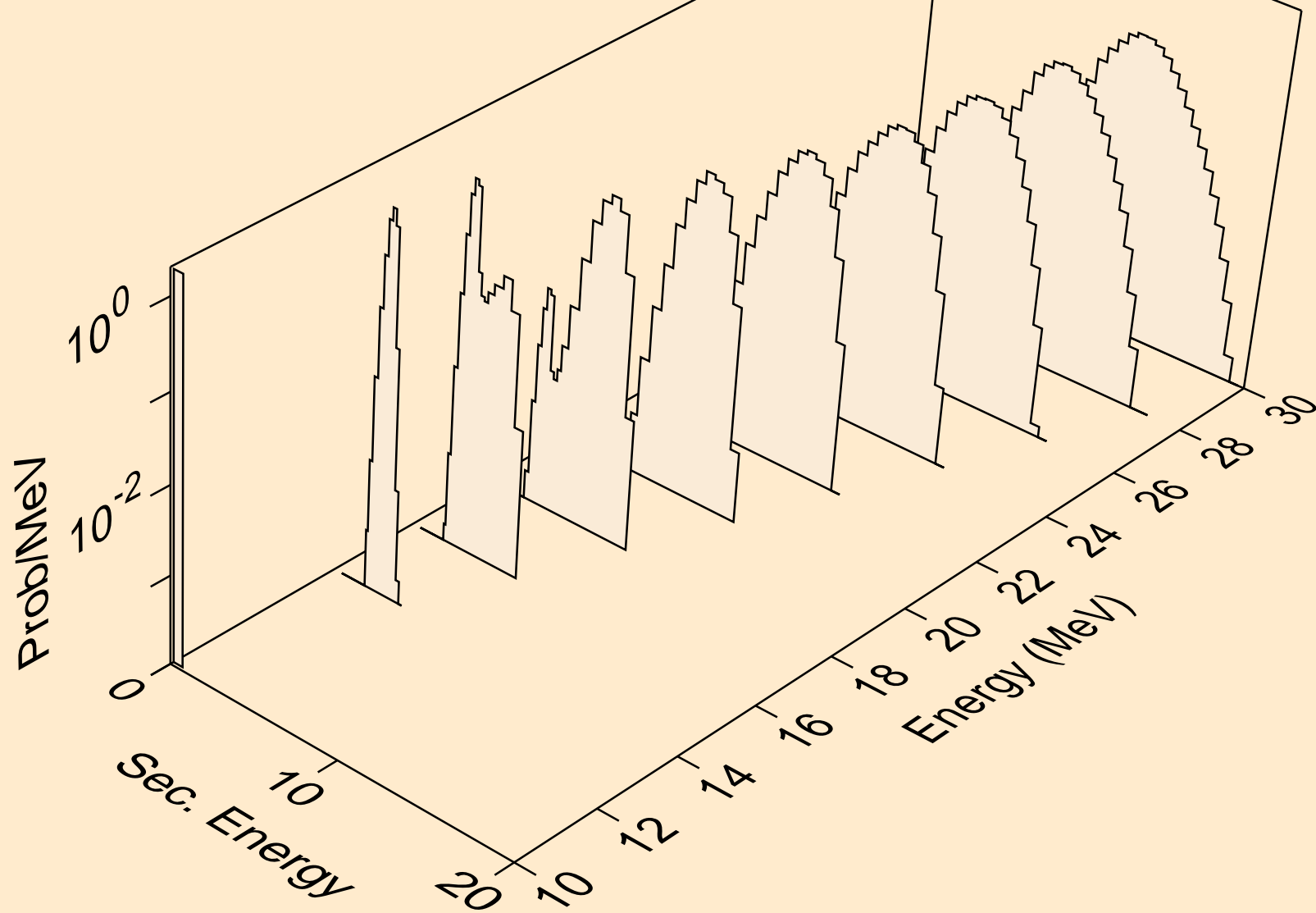
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



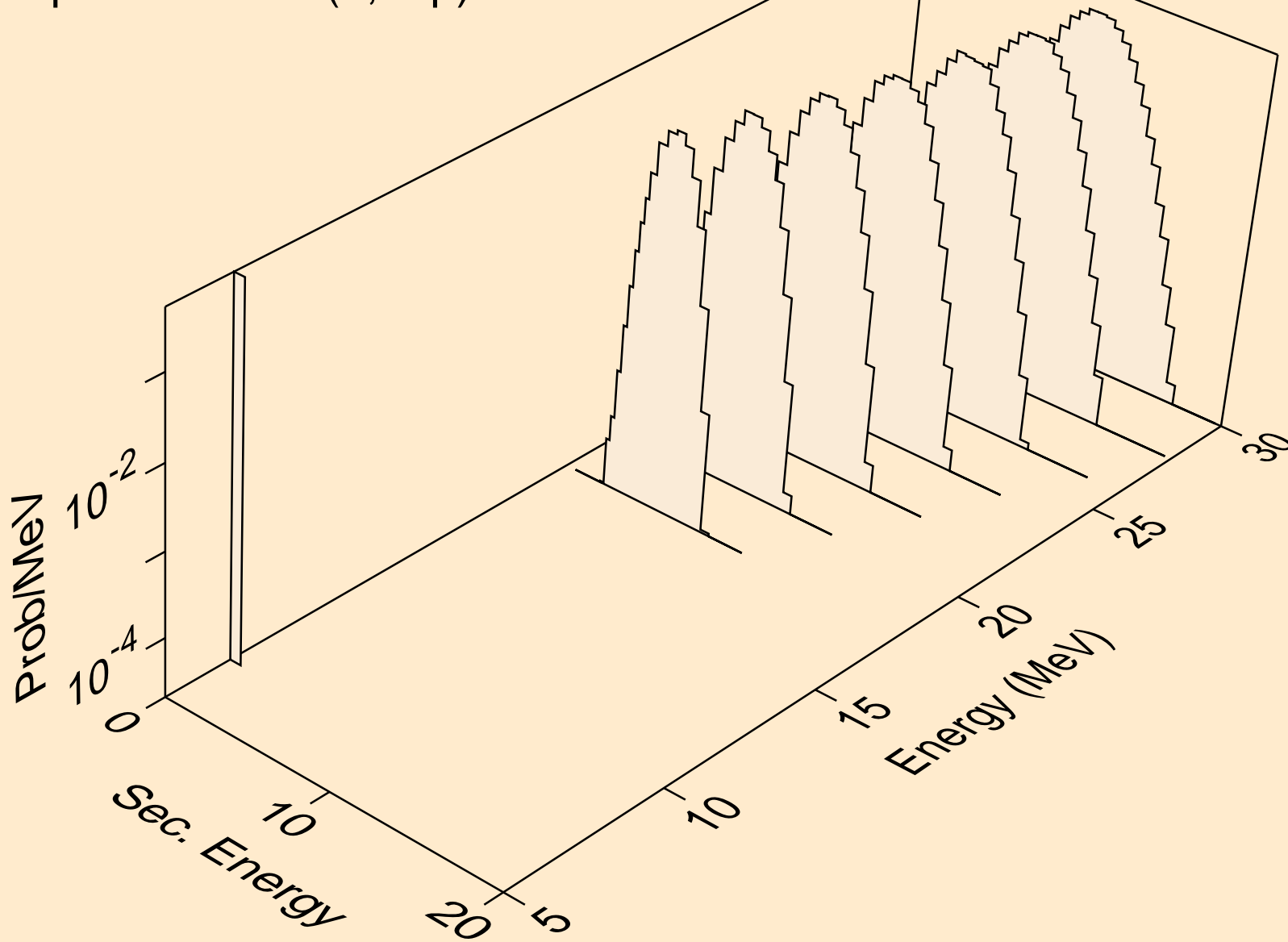
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



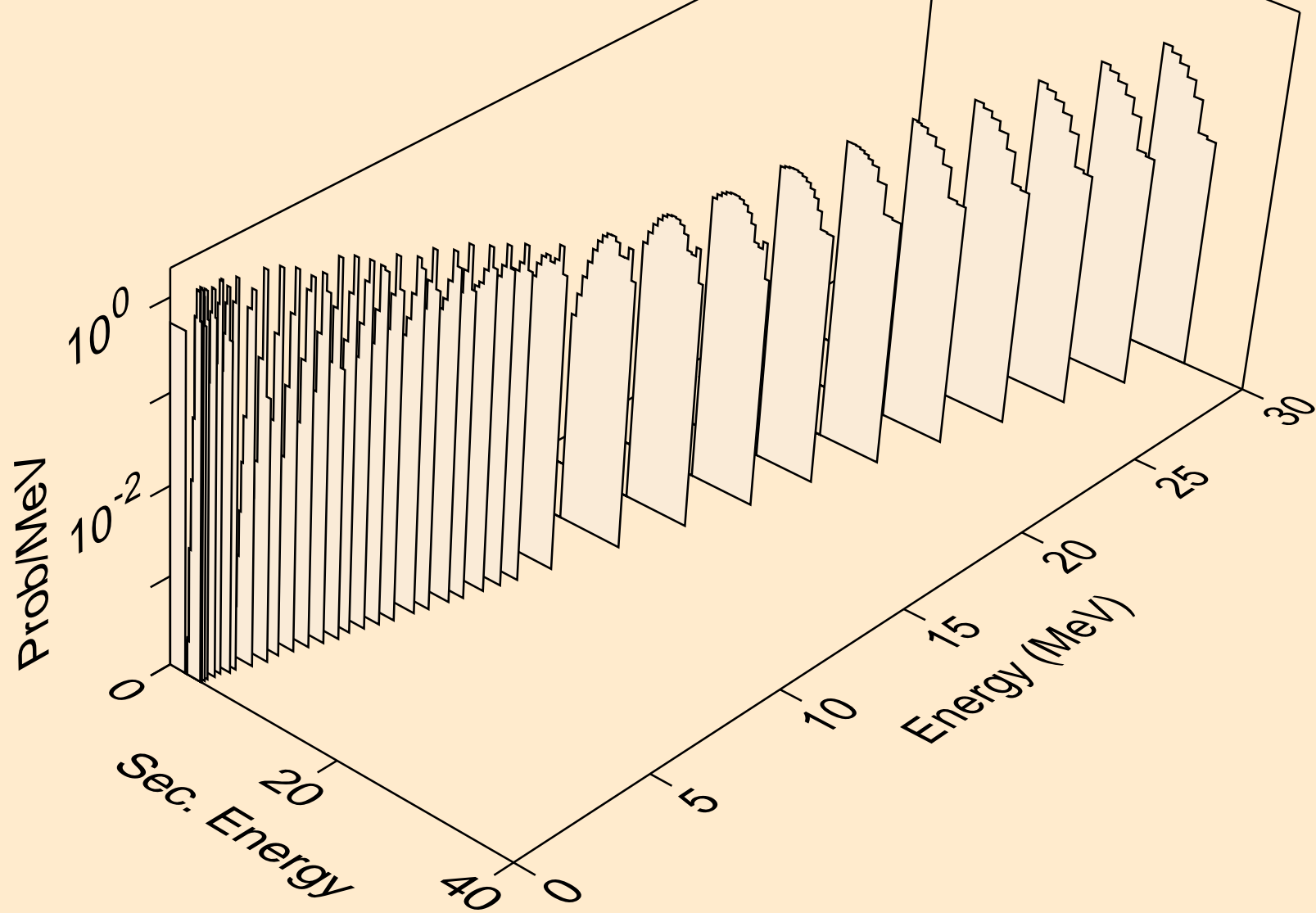
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



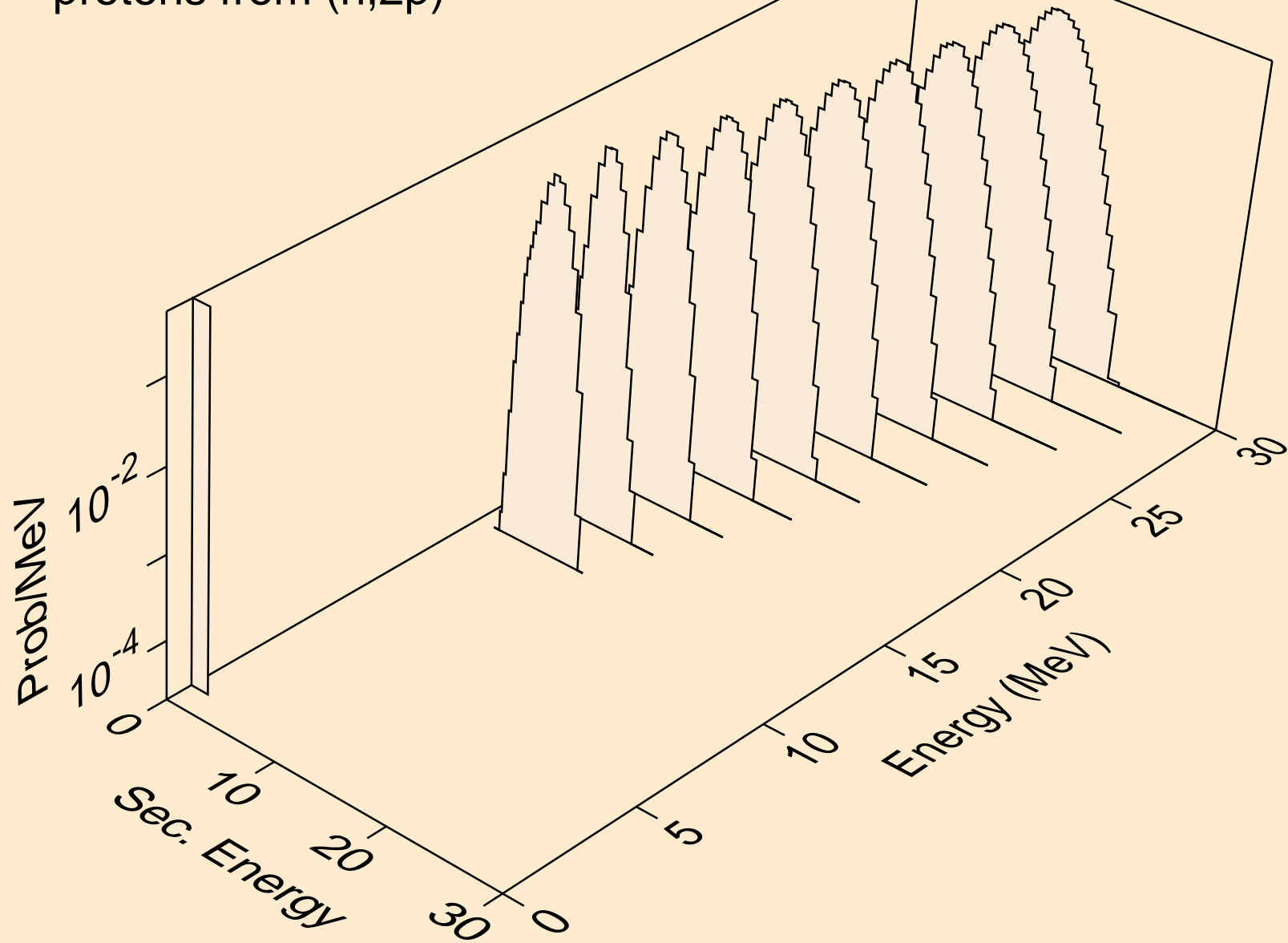
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n2p)



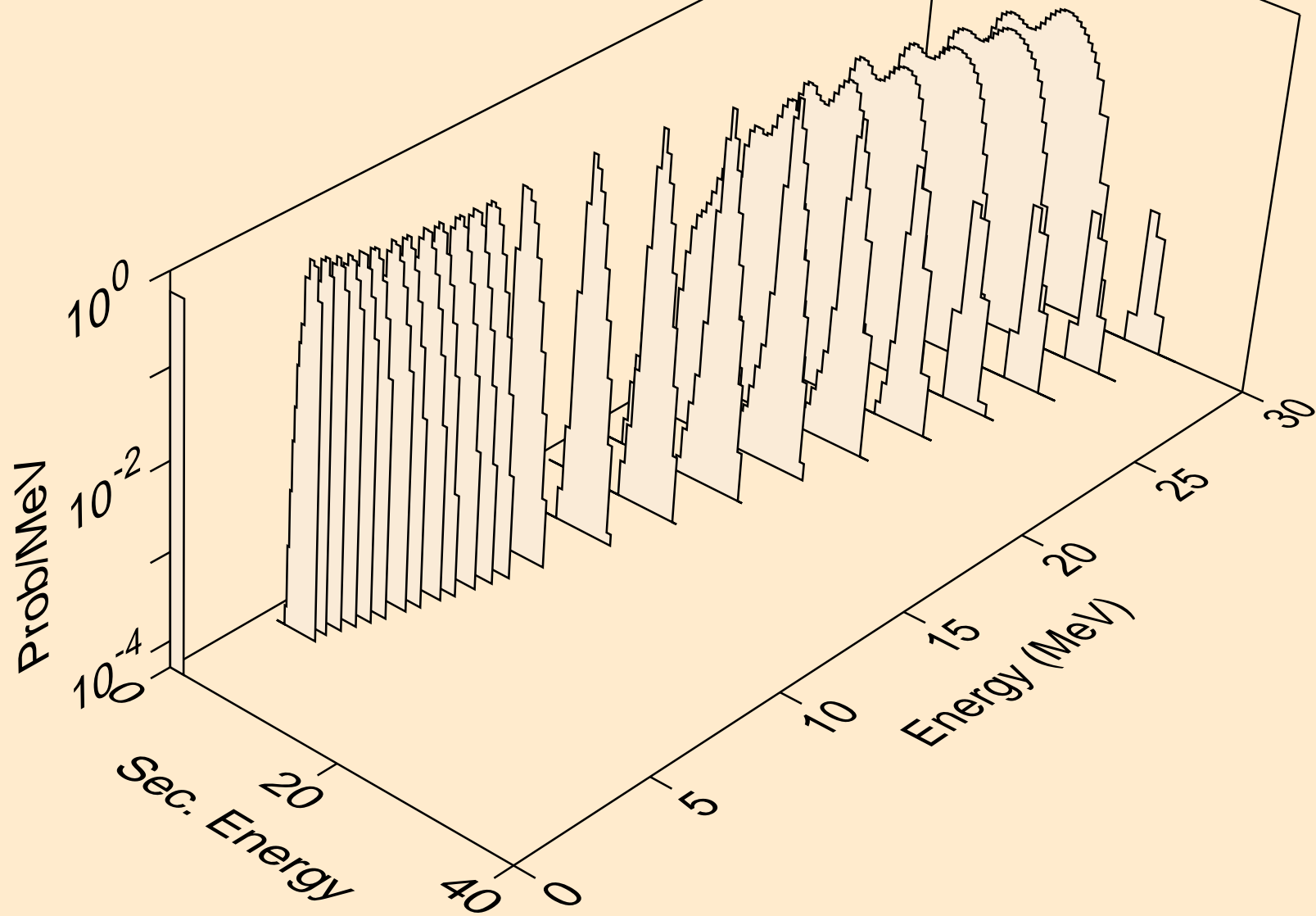
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2p)

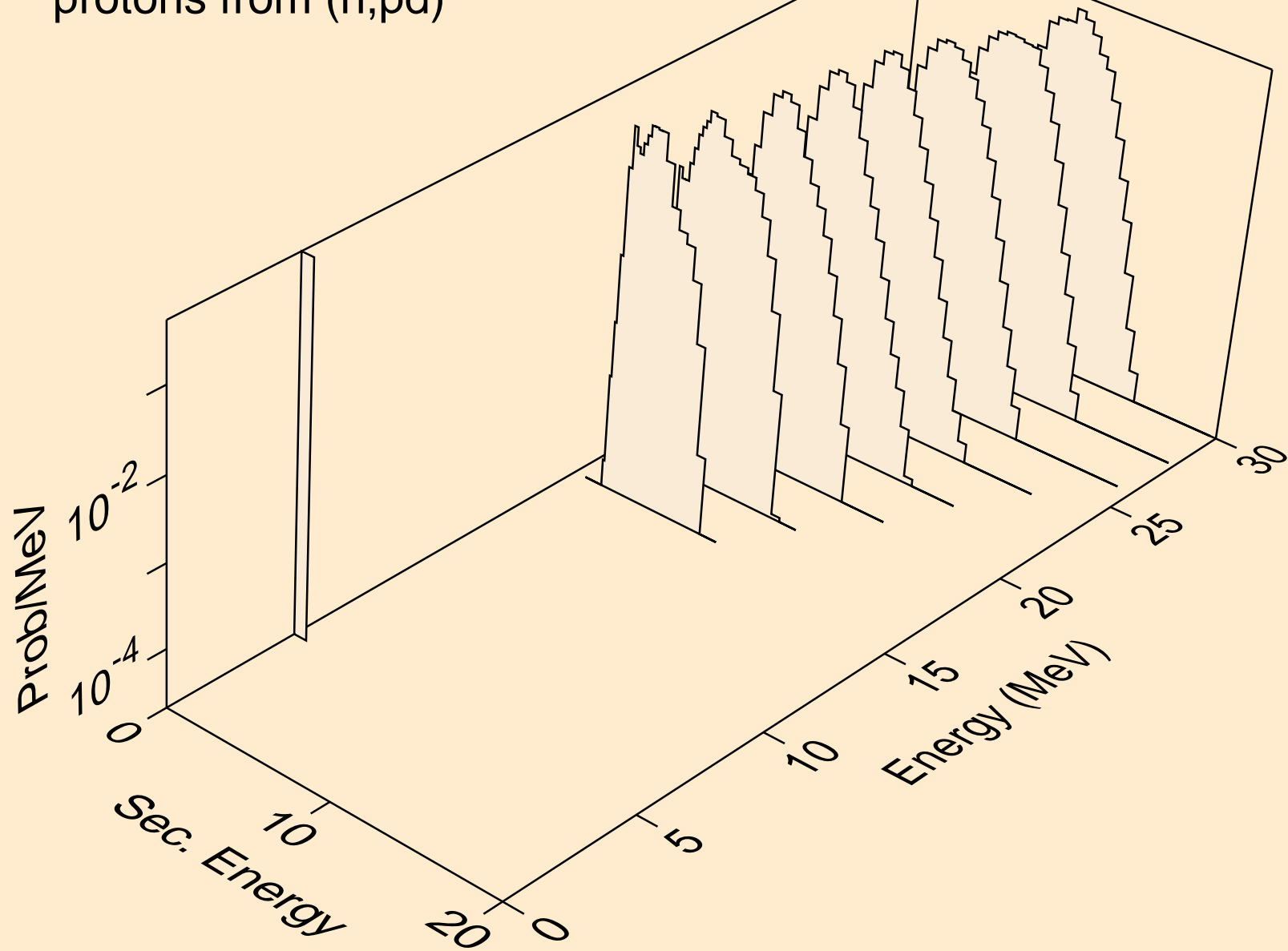


ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)

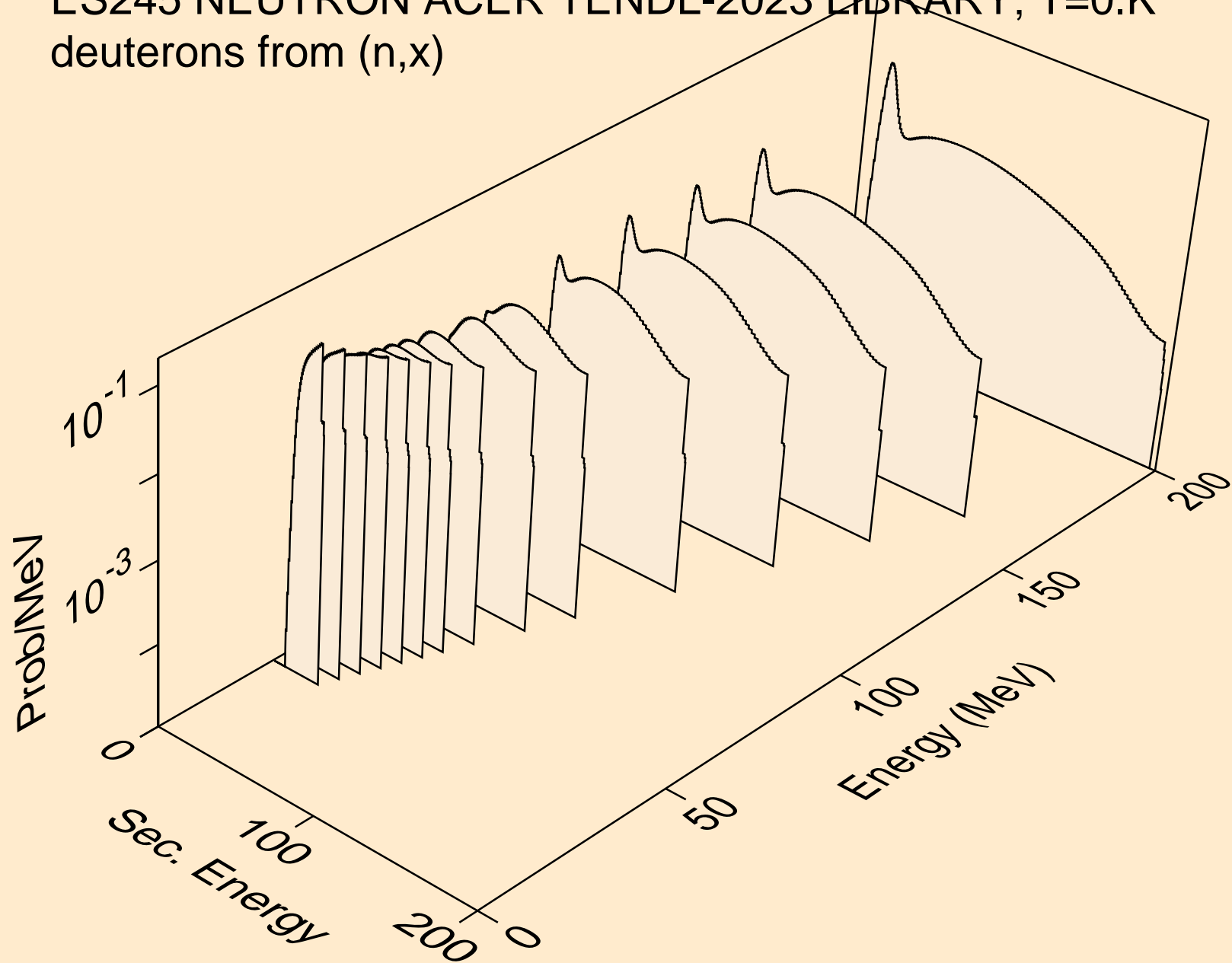




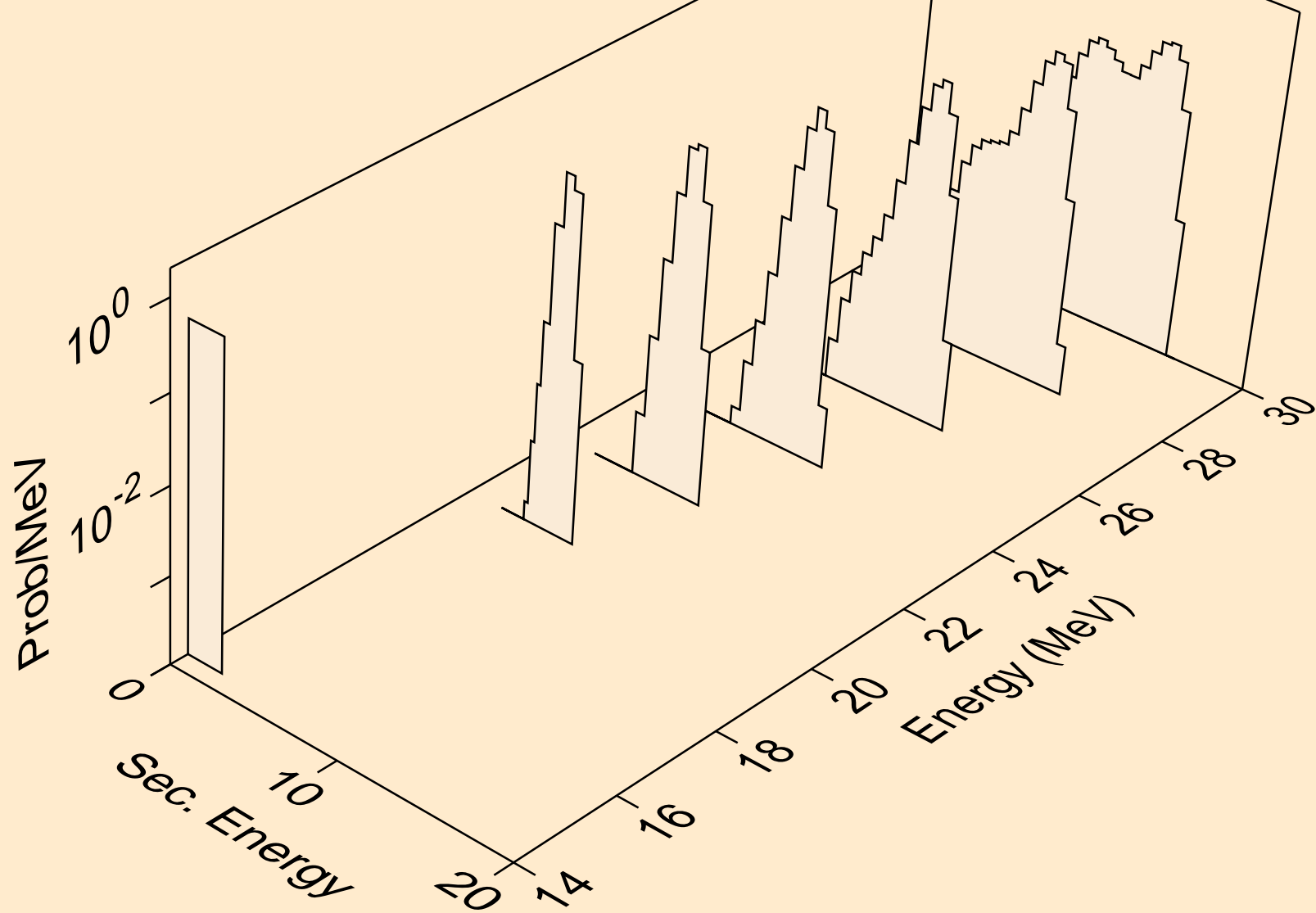
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pd)



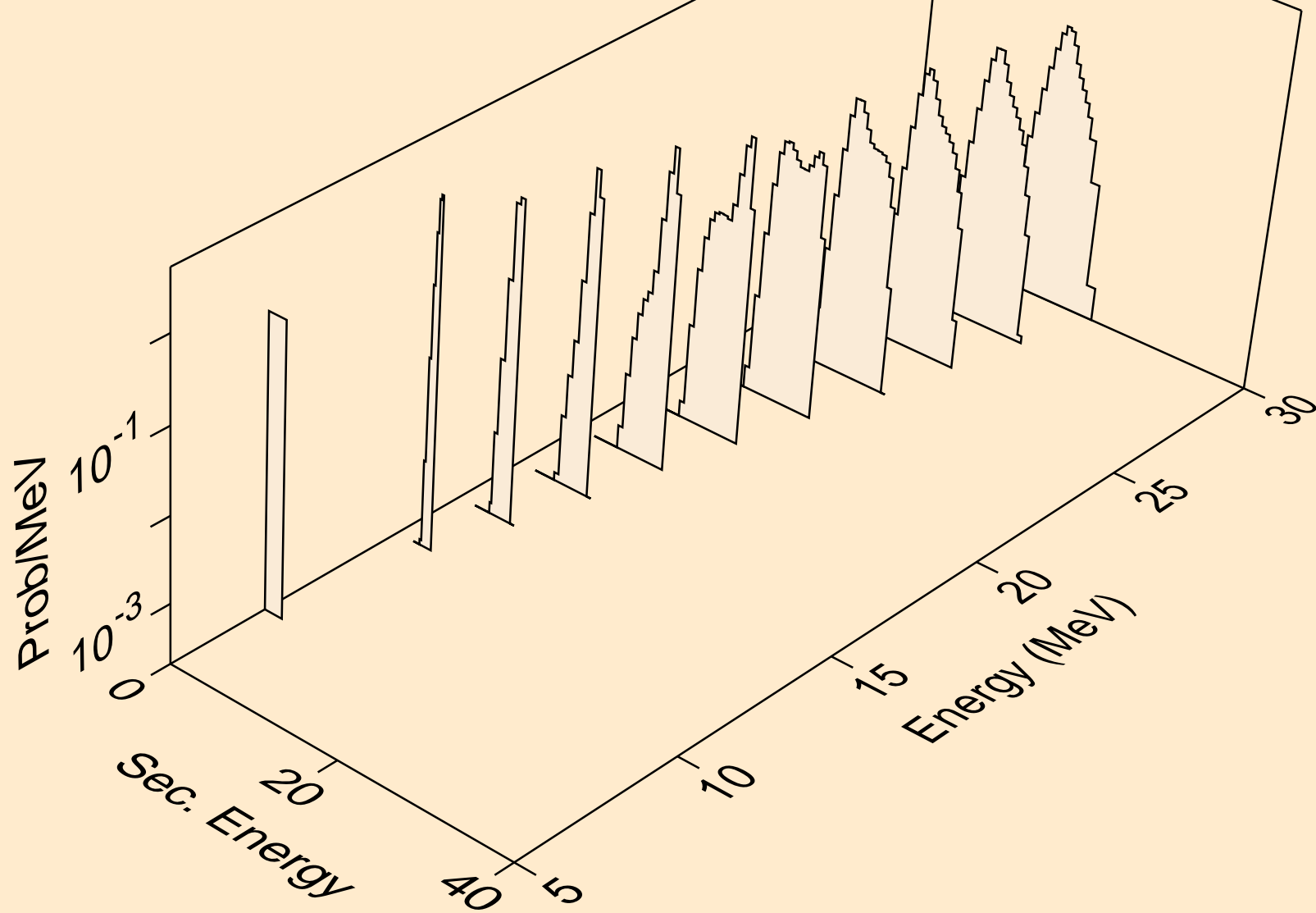
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)



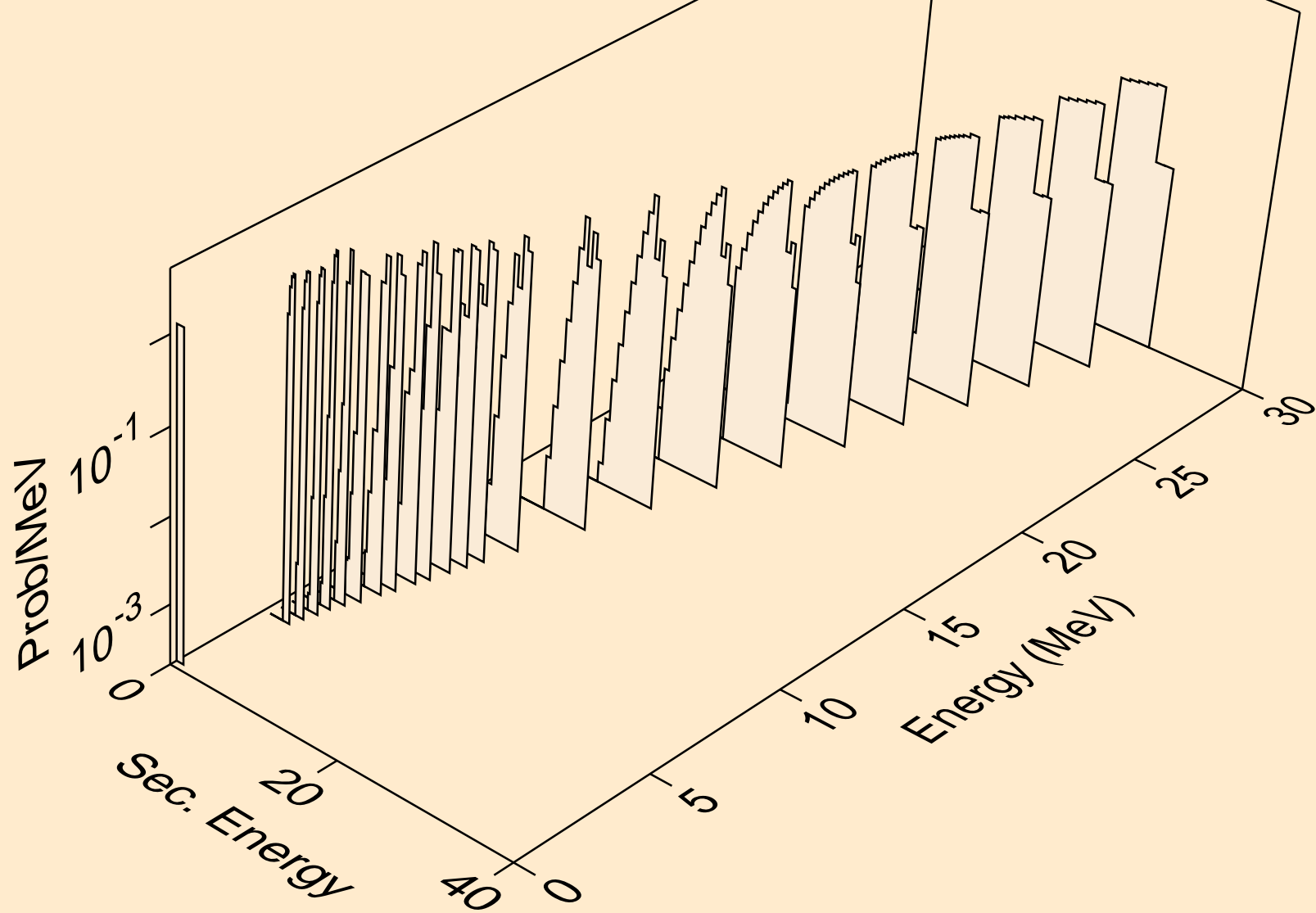
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,2nd)



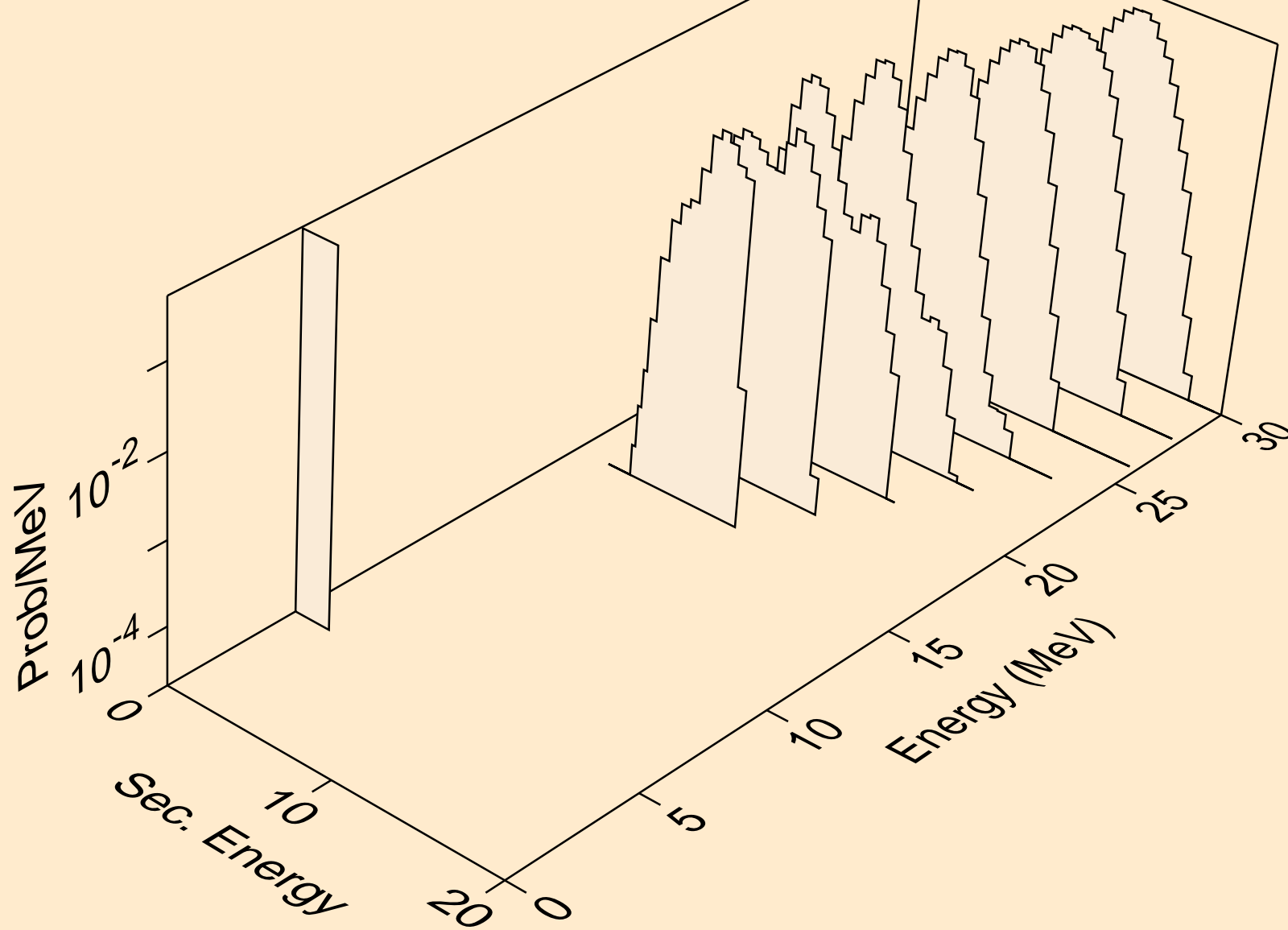
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



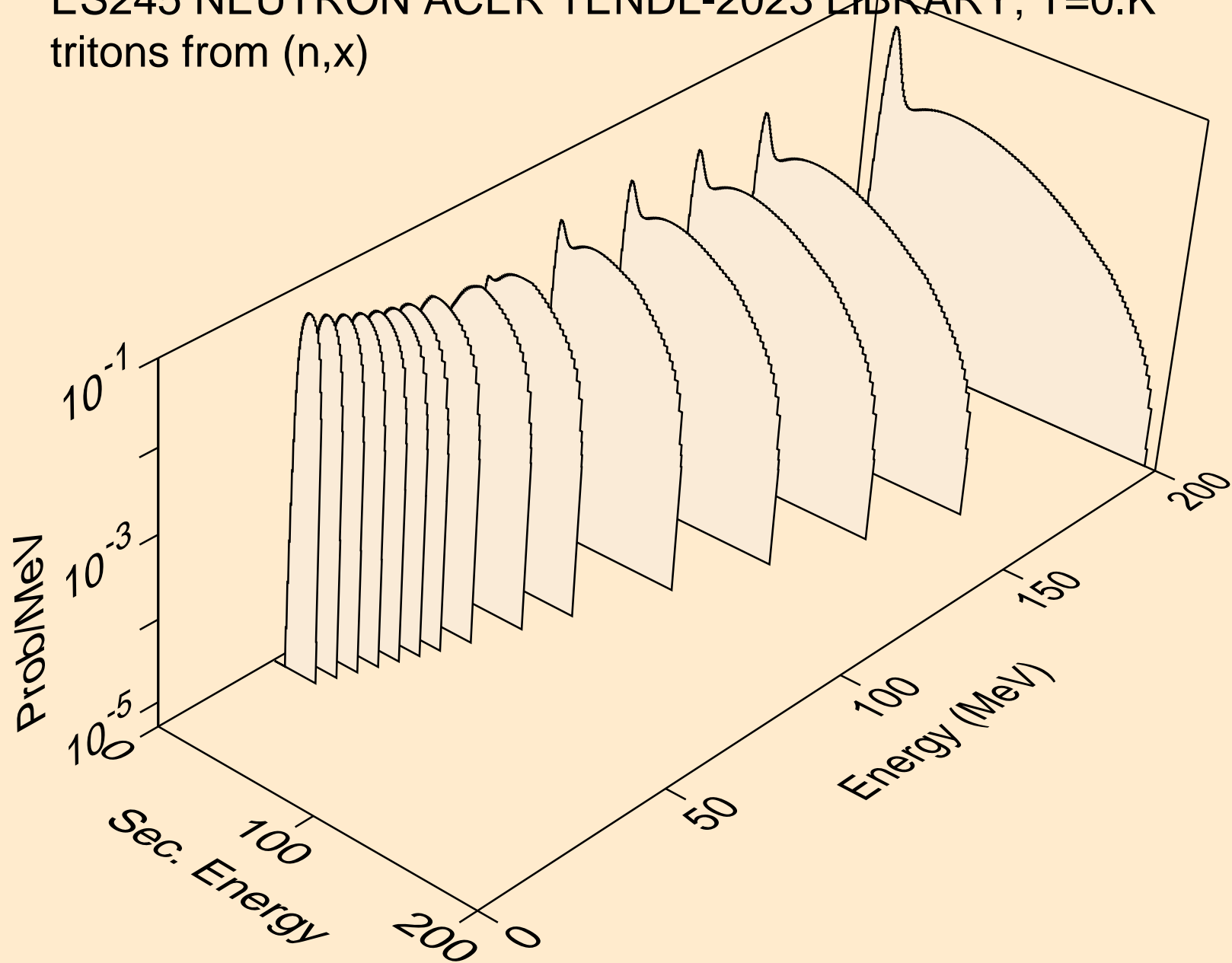
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d)



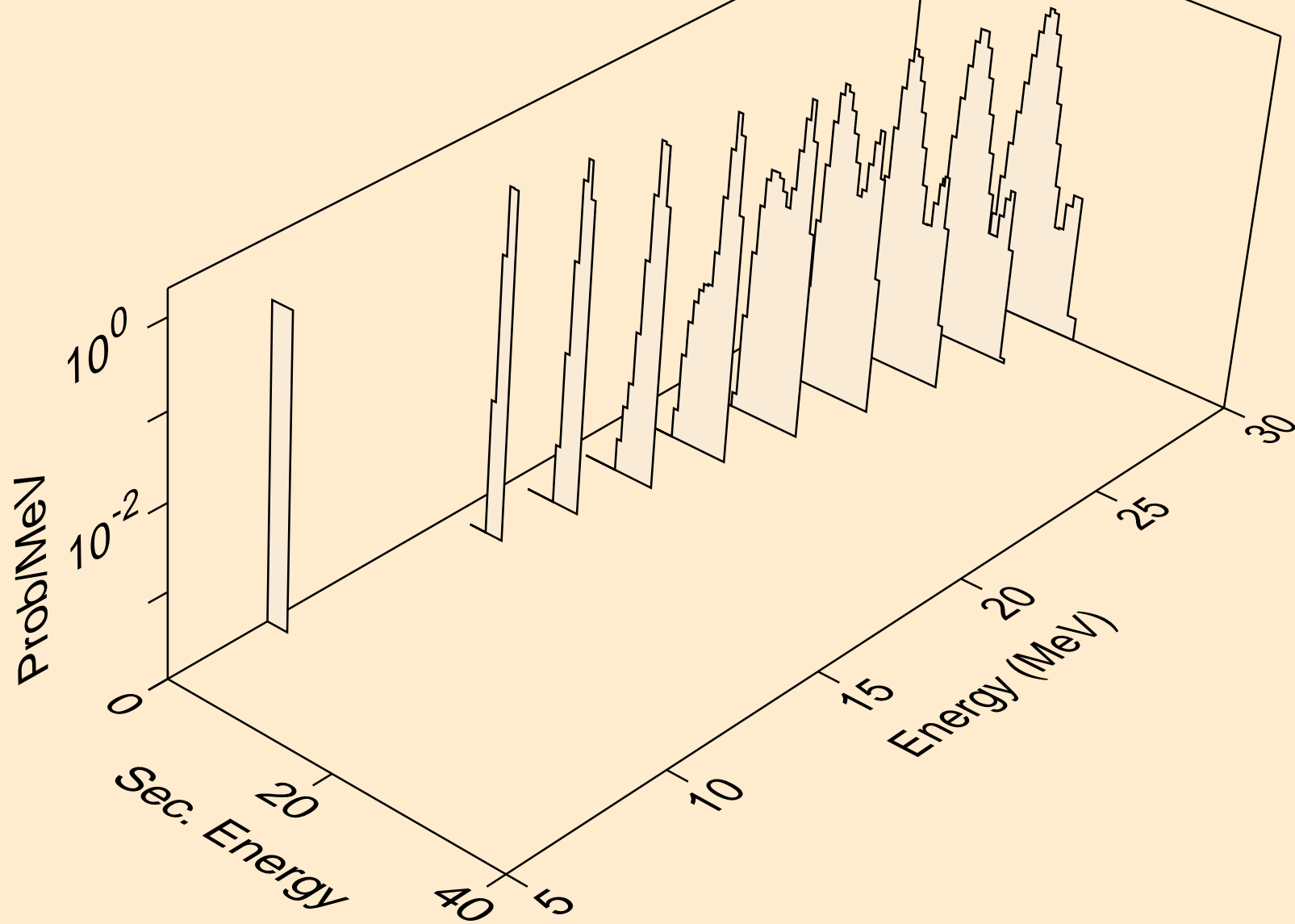
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,pd)



ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)

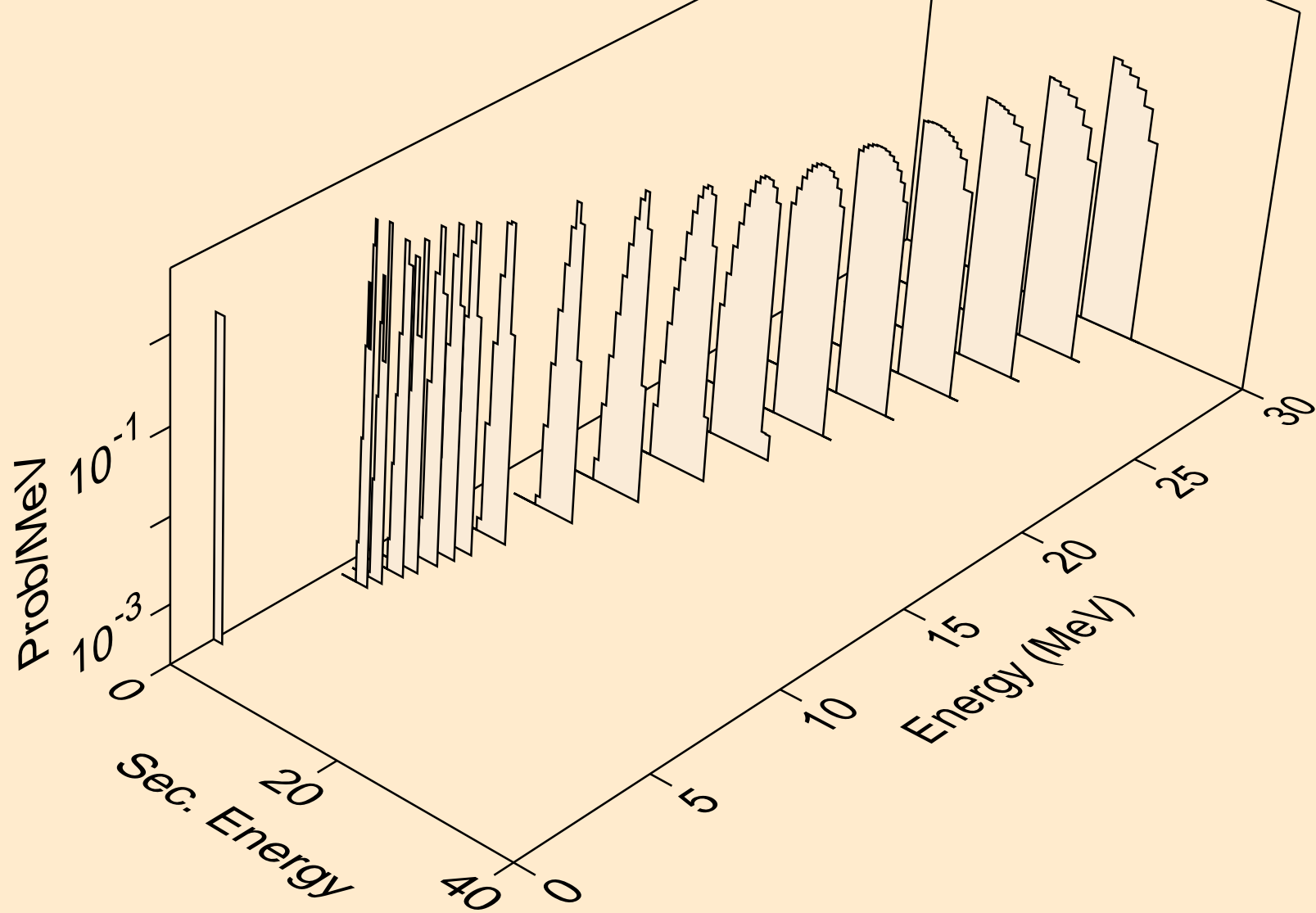


ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t

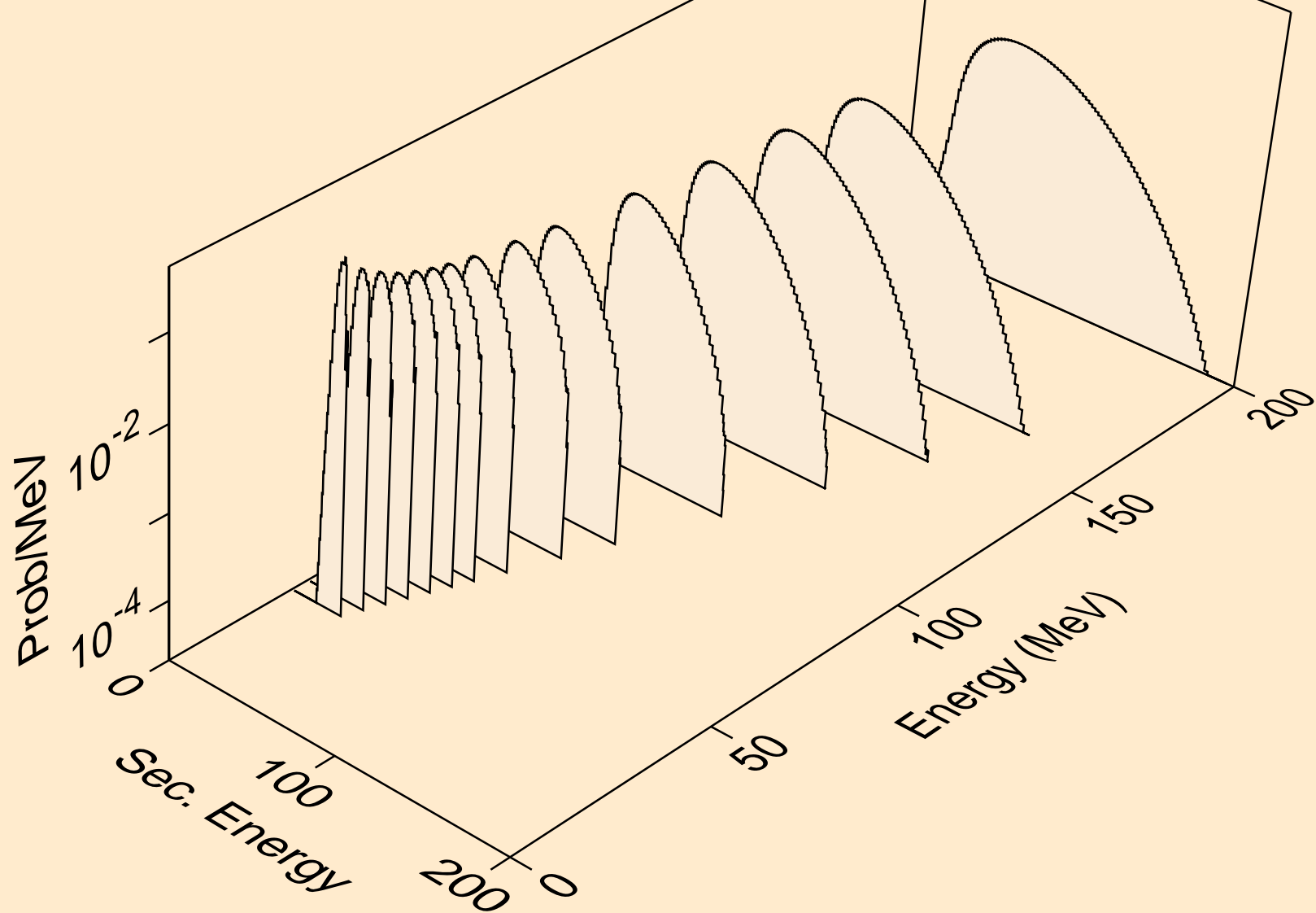




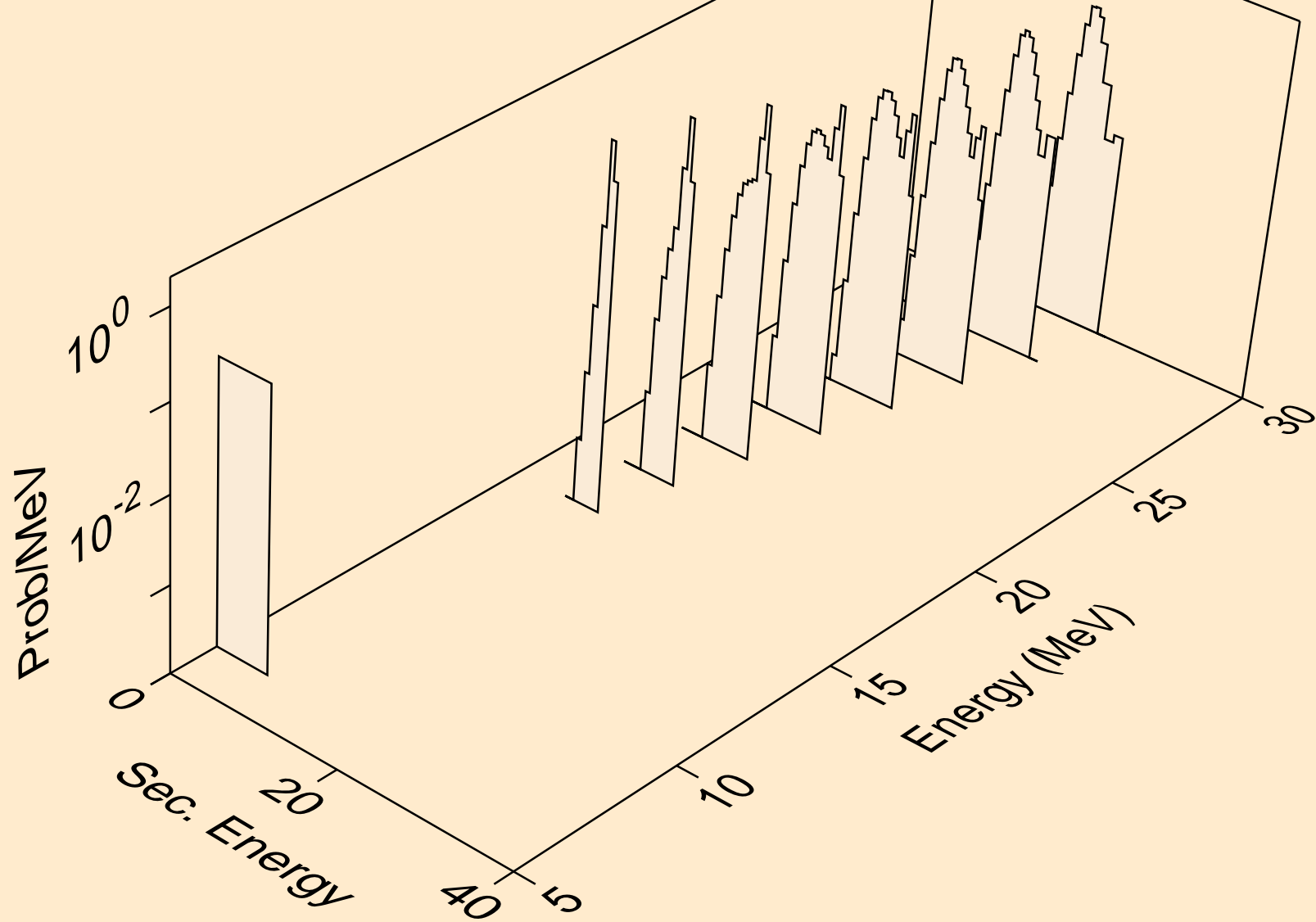
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)



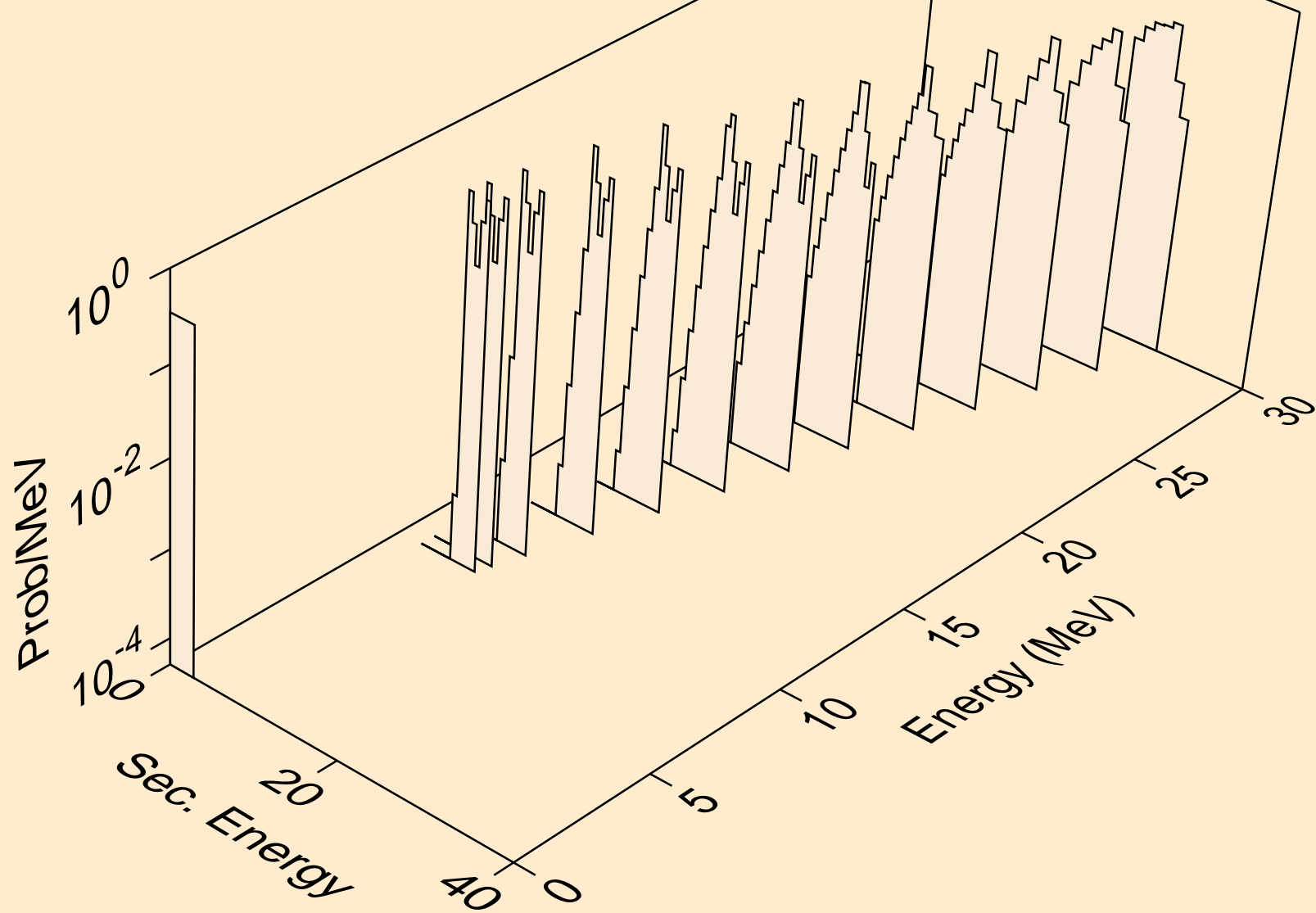
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



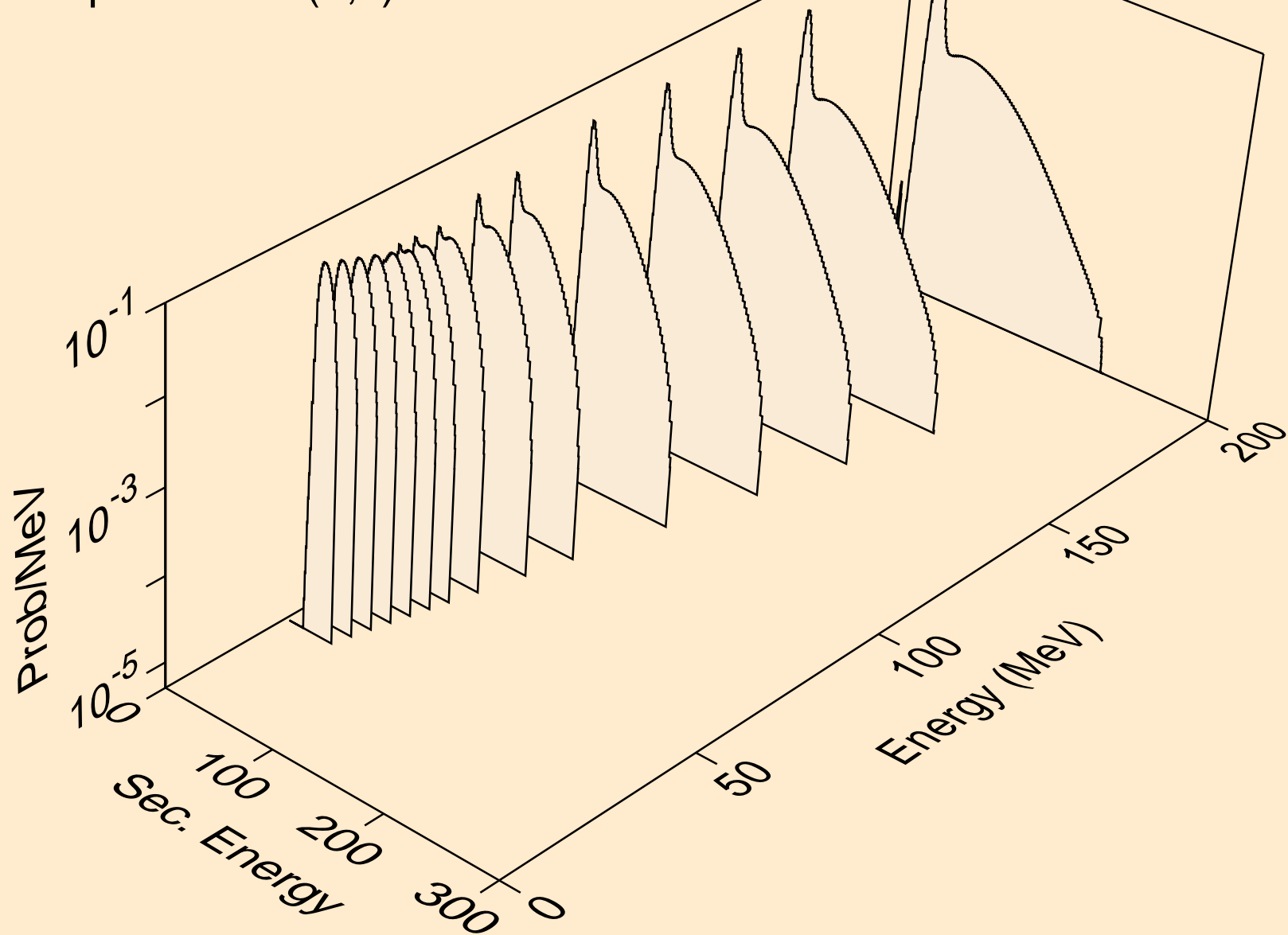
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3



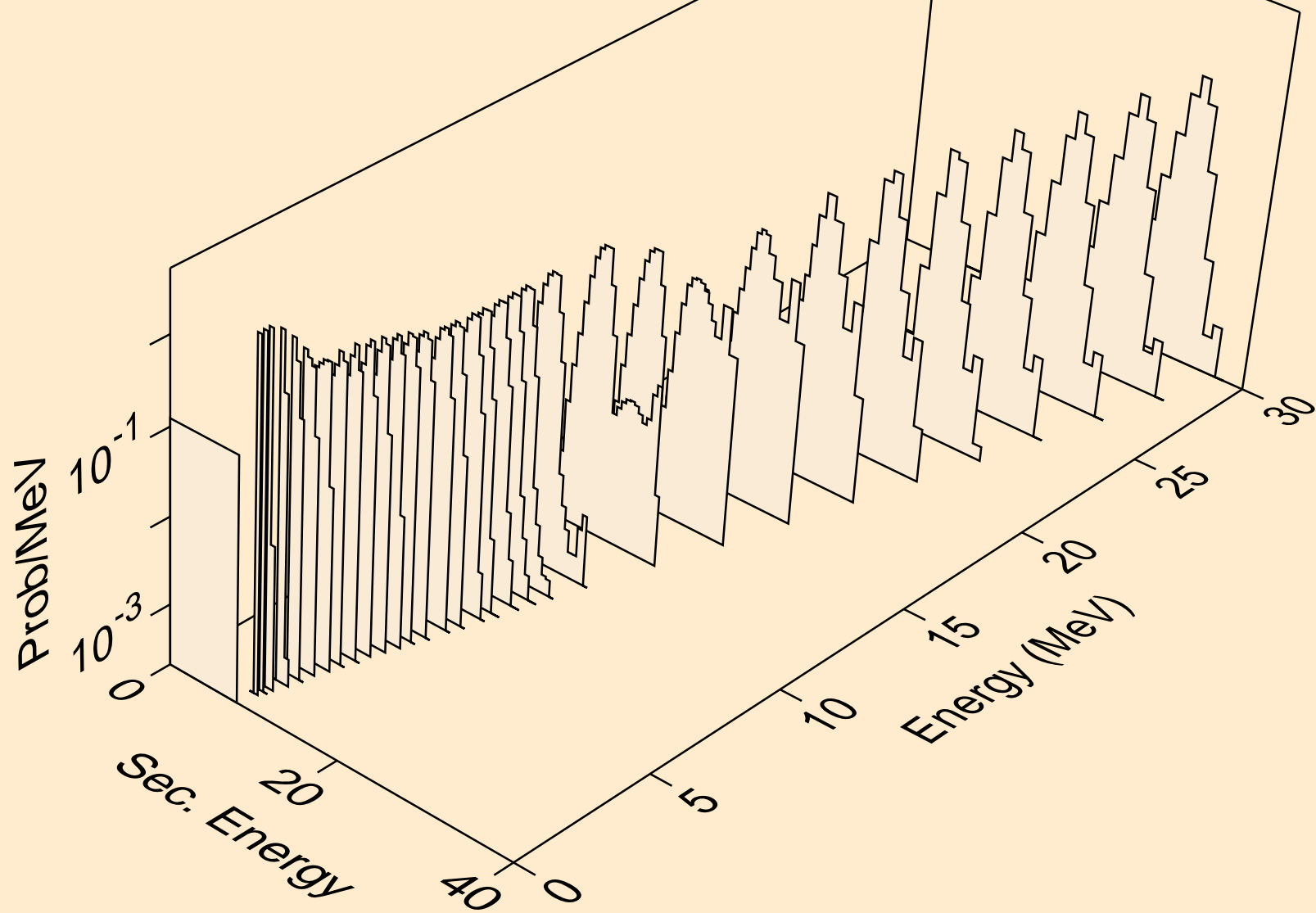
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,he3)



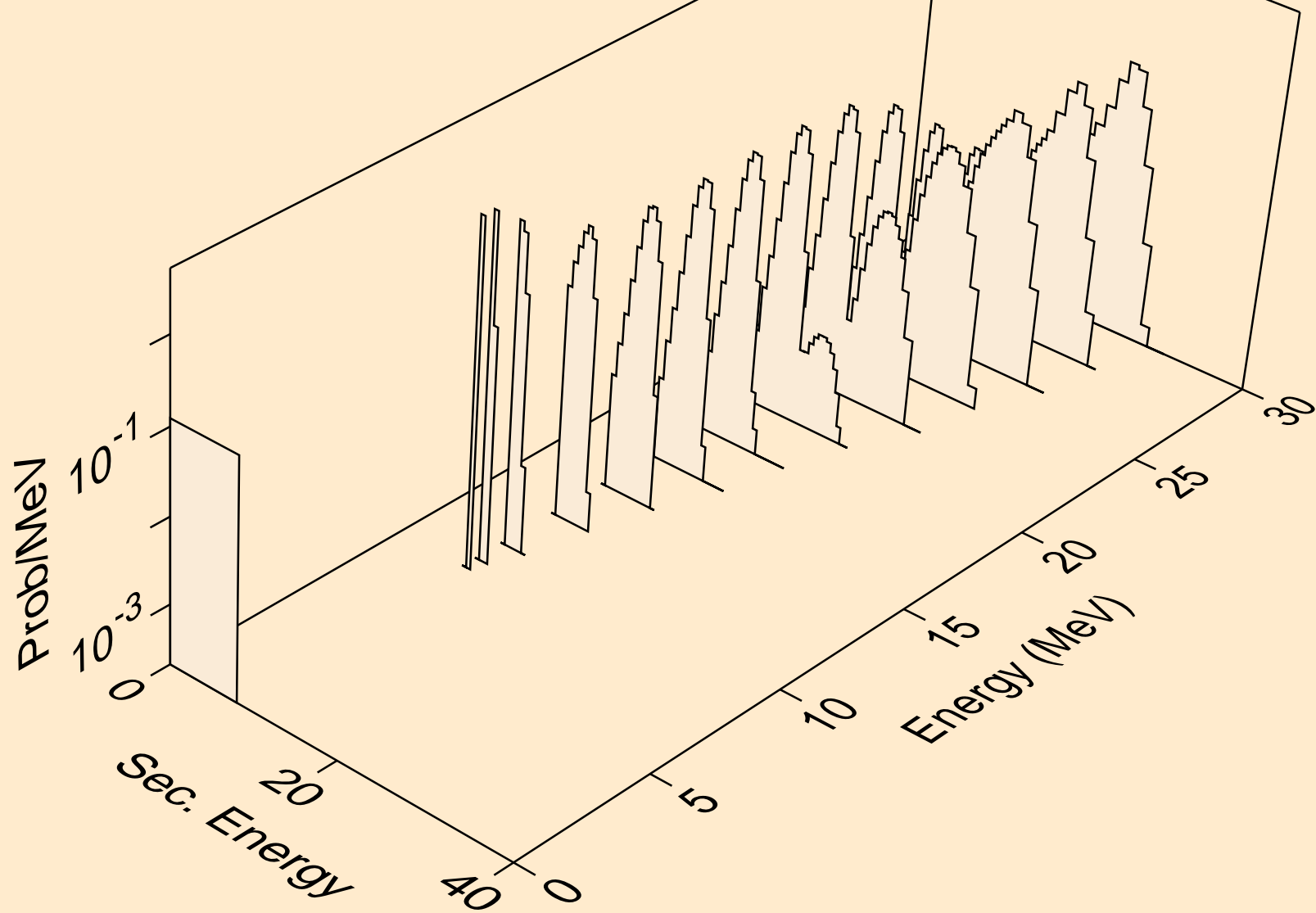
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



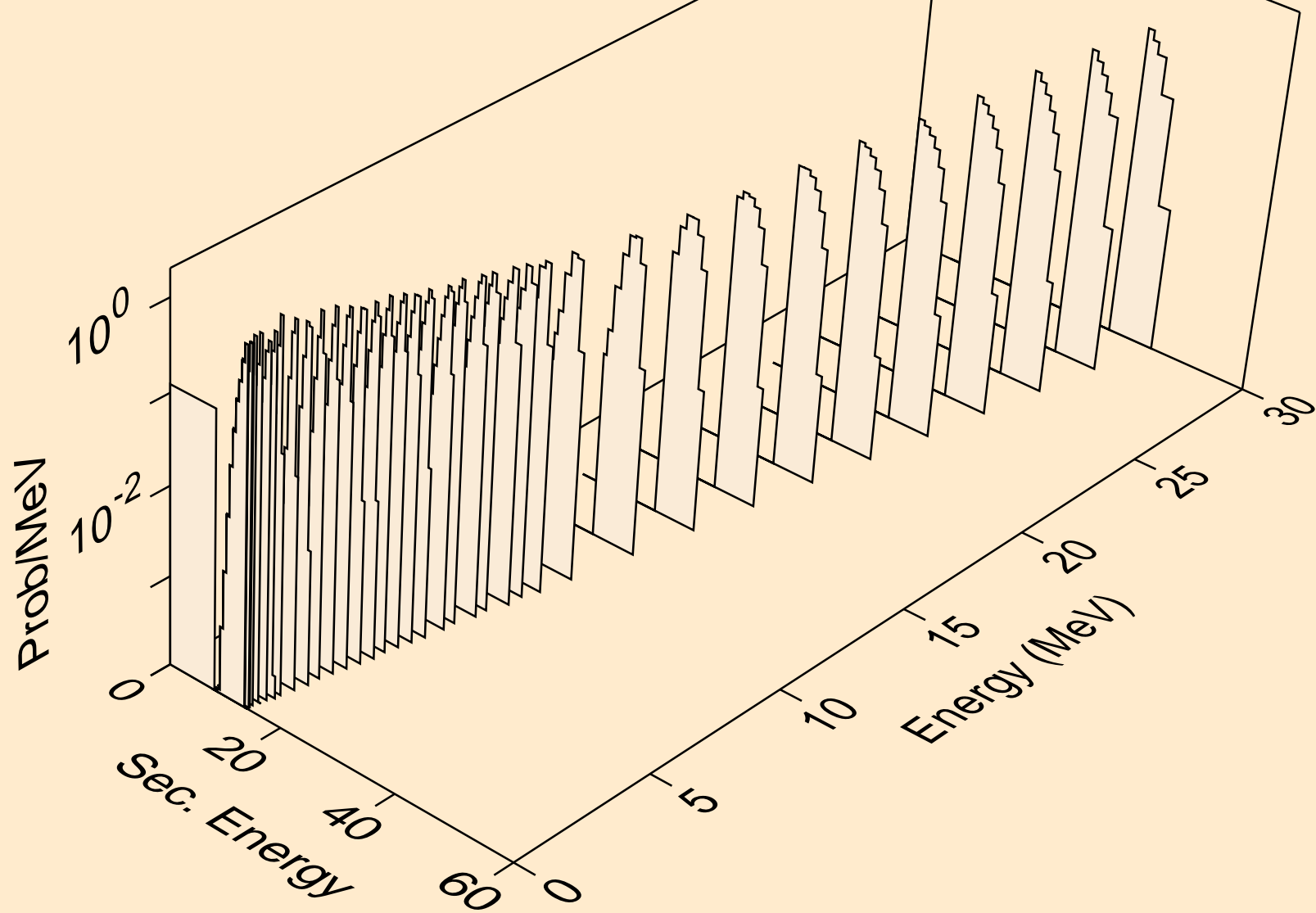
ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)





ES245 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)

