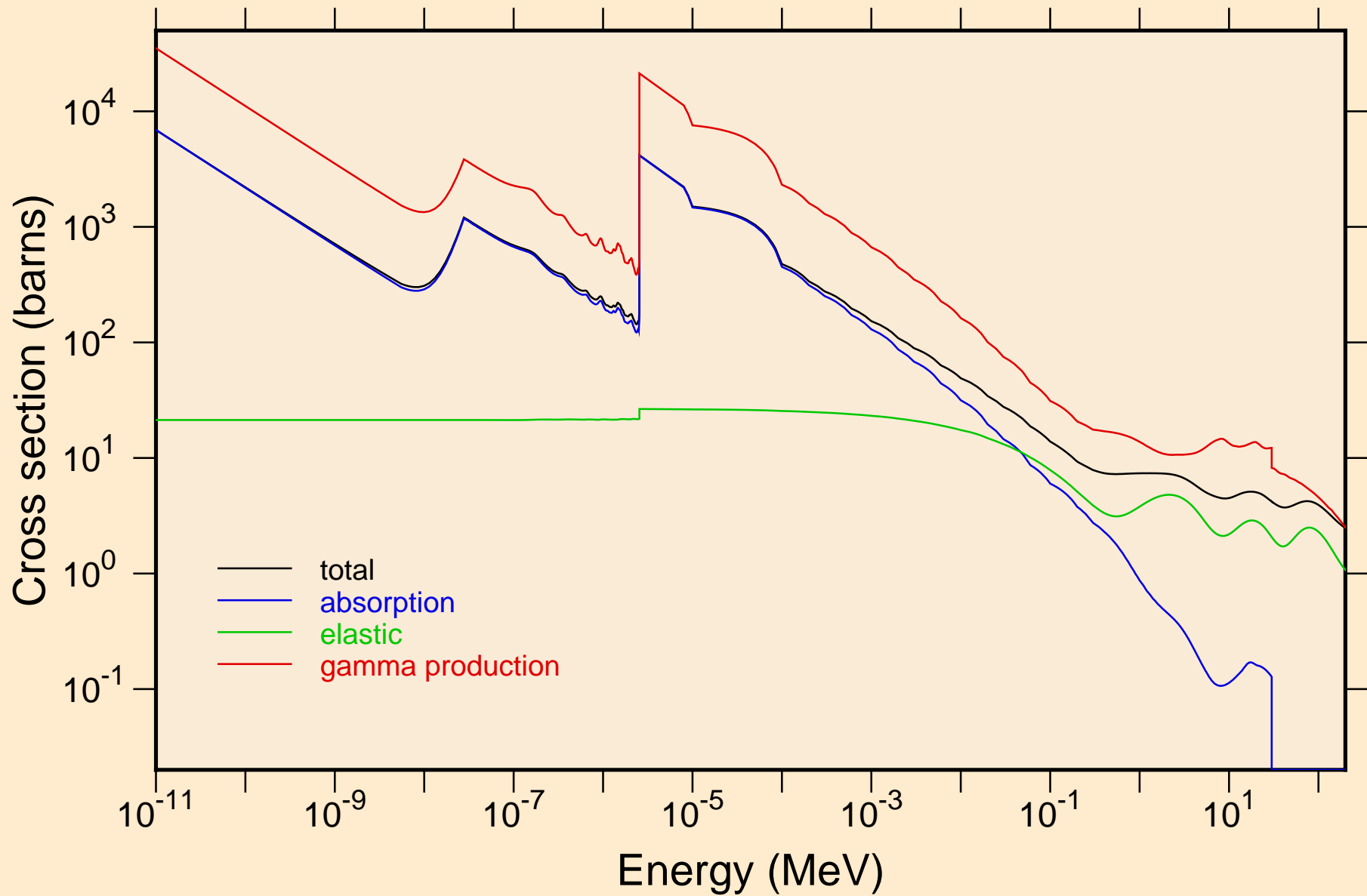


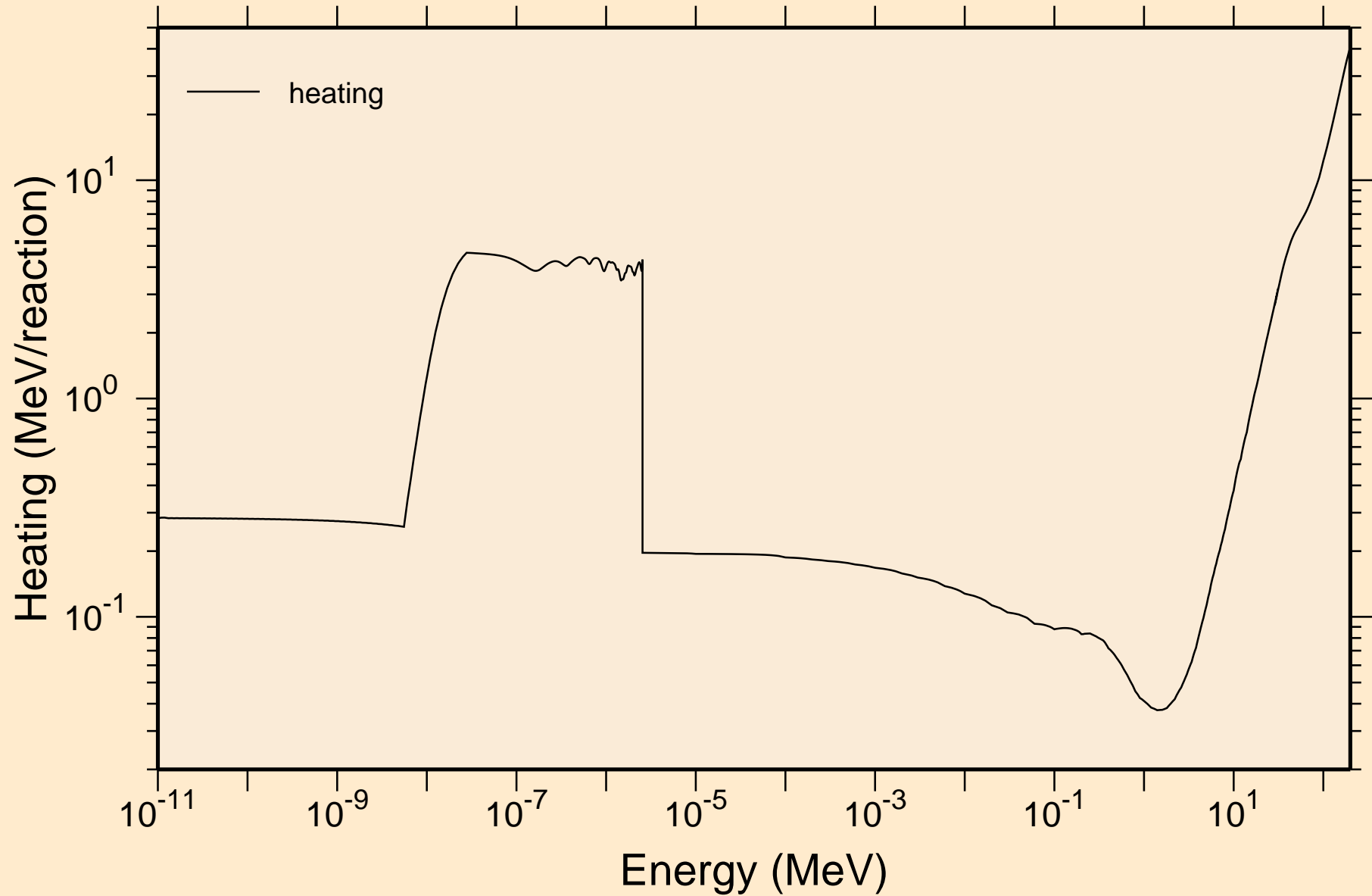
# TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



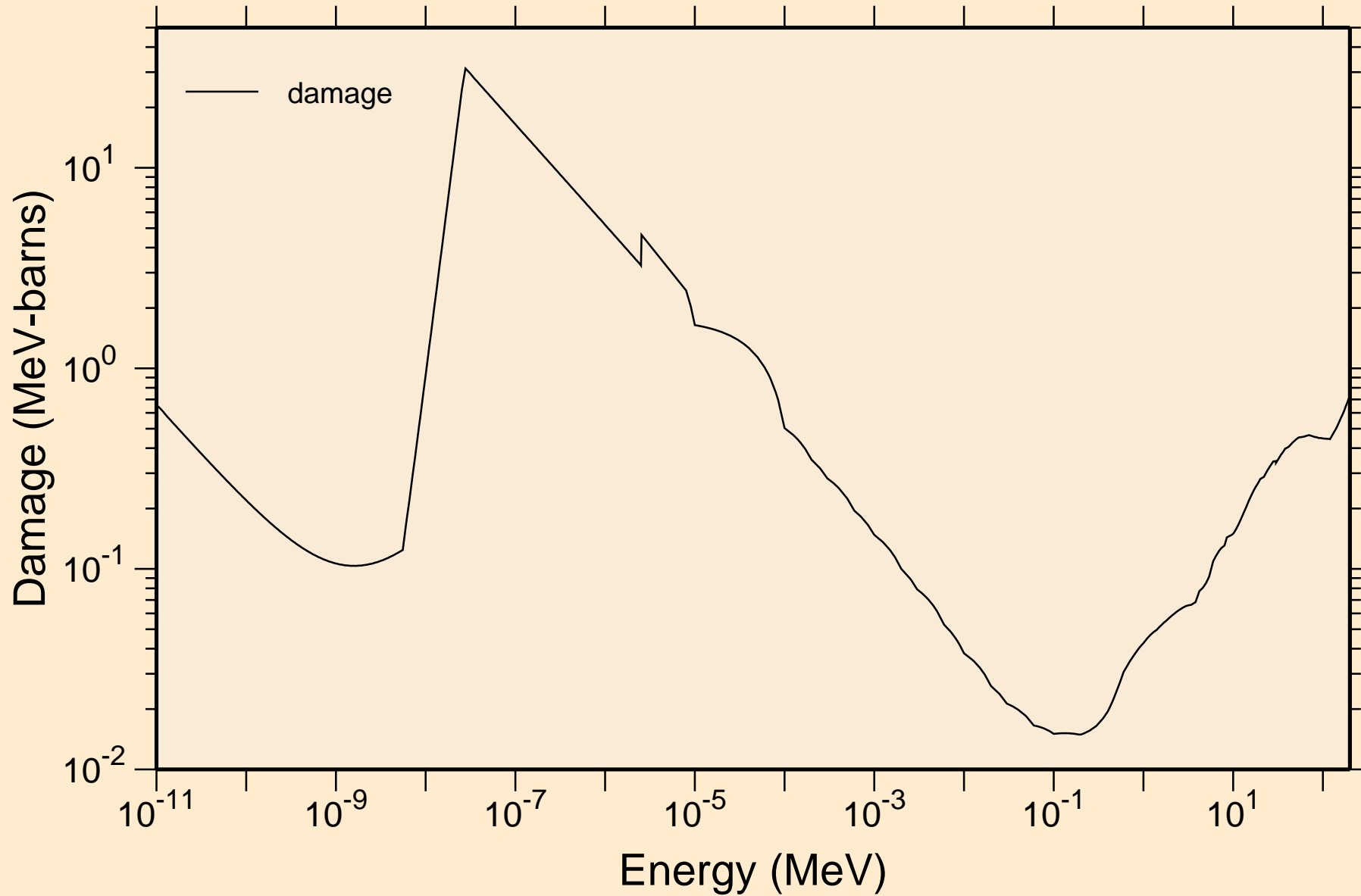
# TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

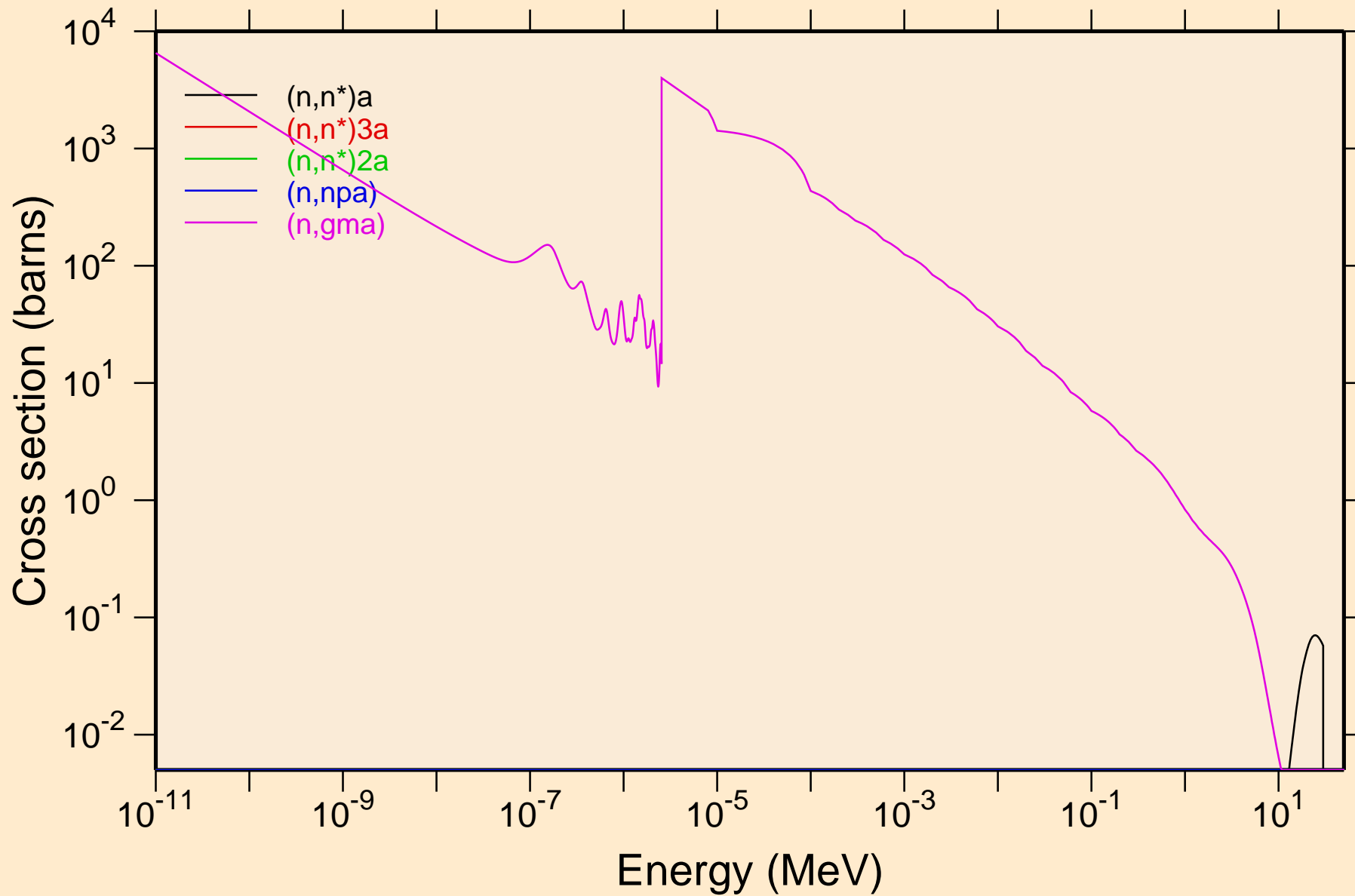


# TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

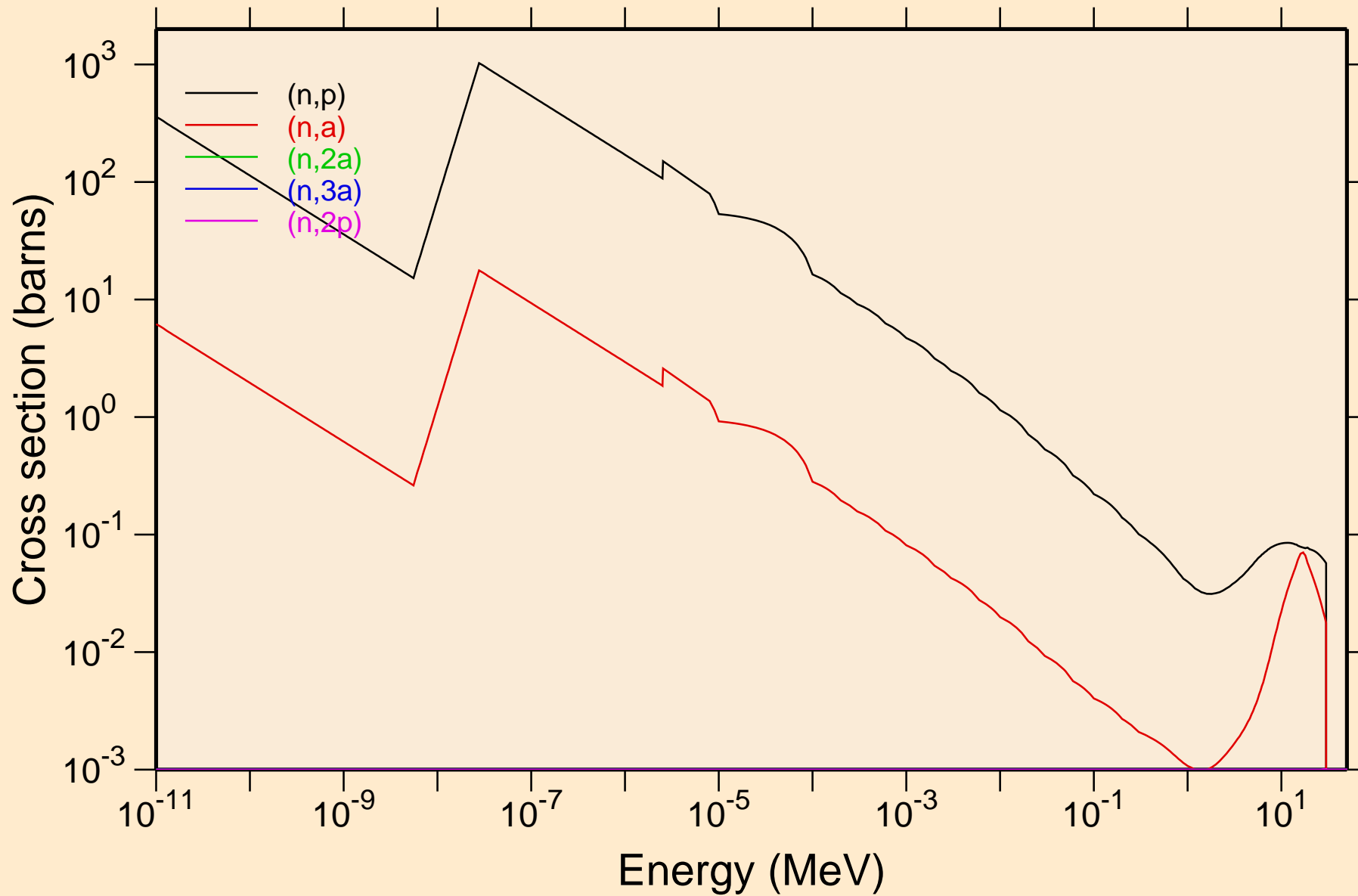
## Damage



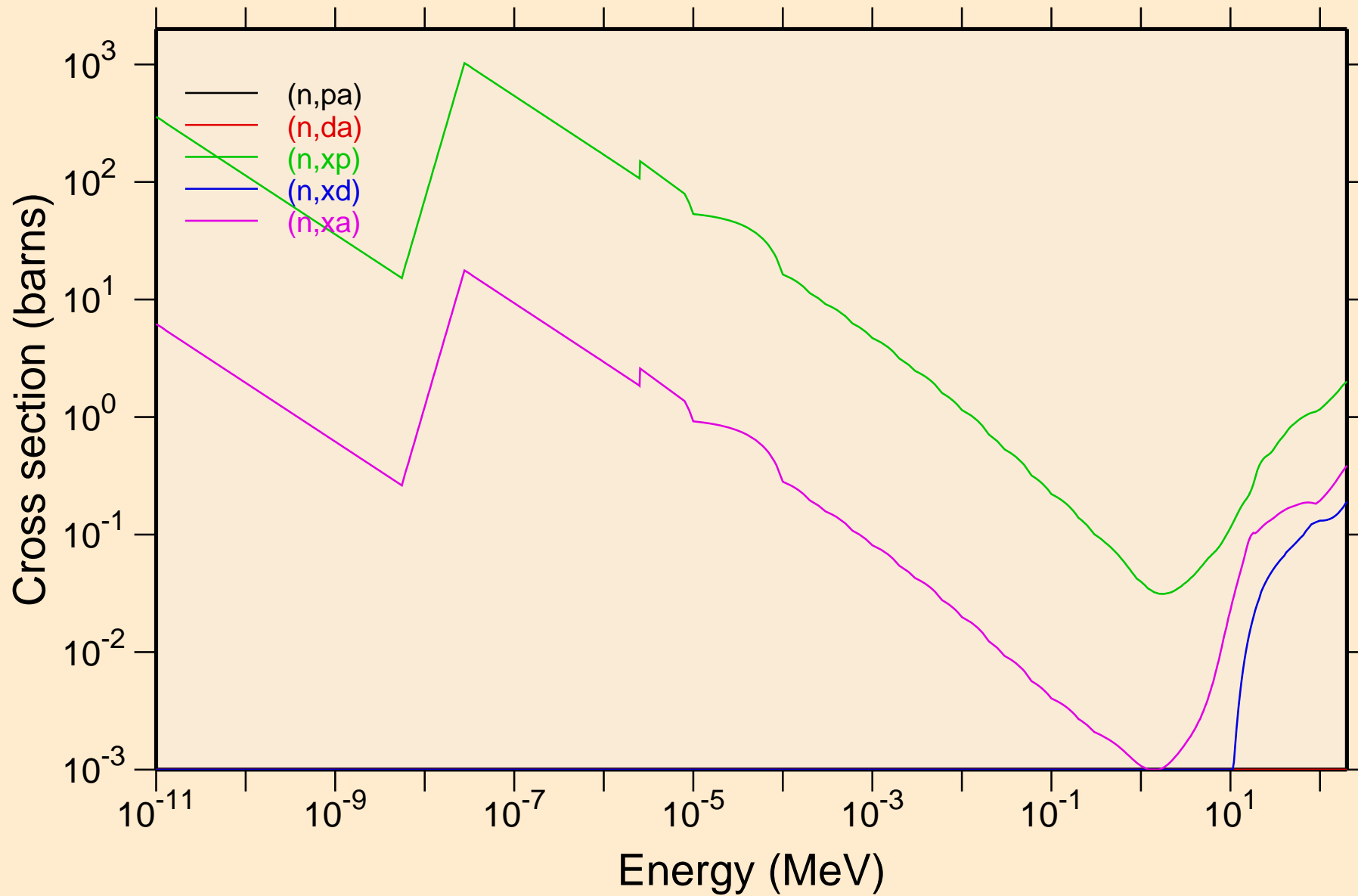
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

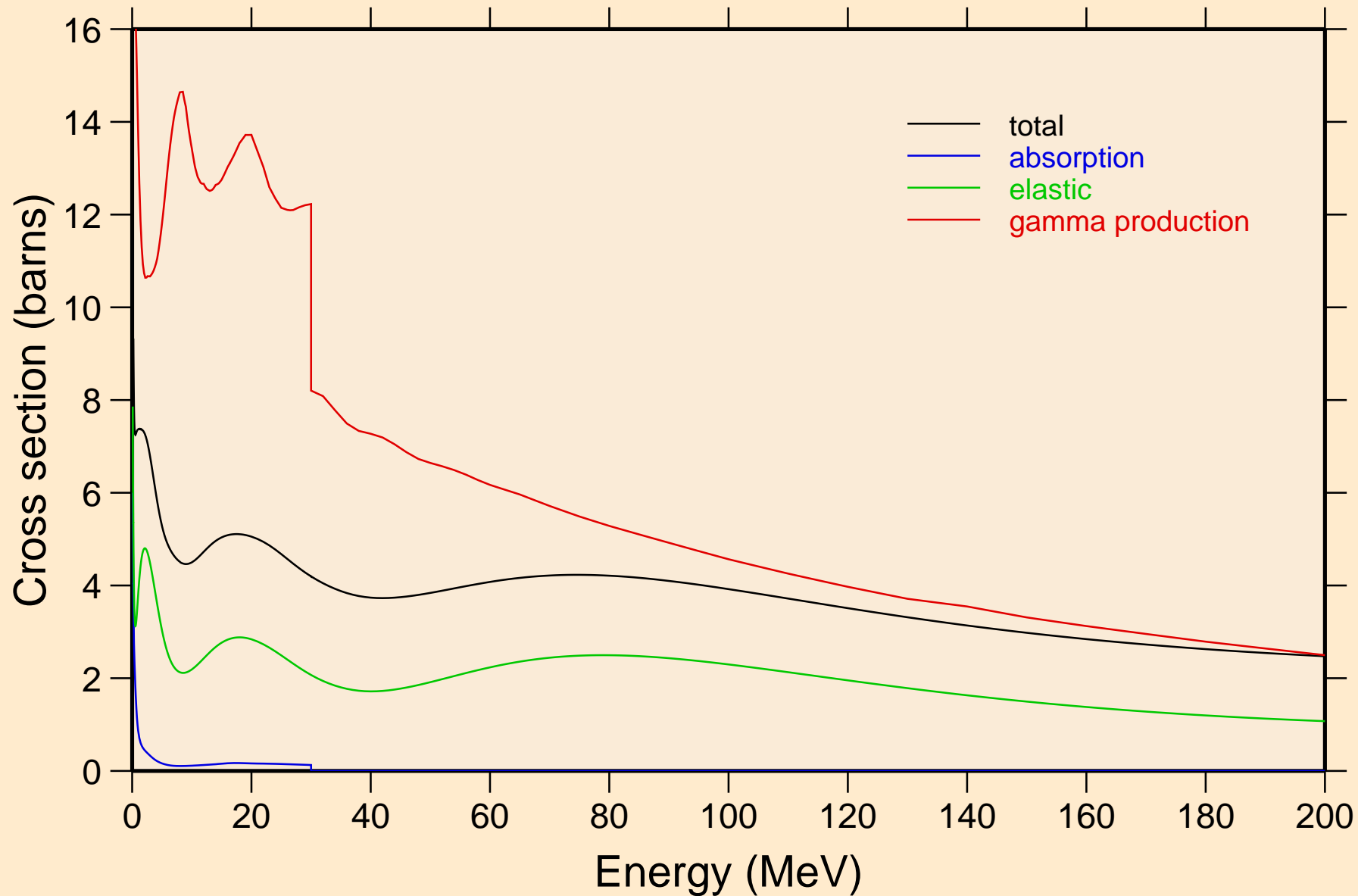


TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



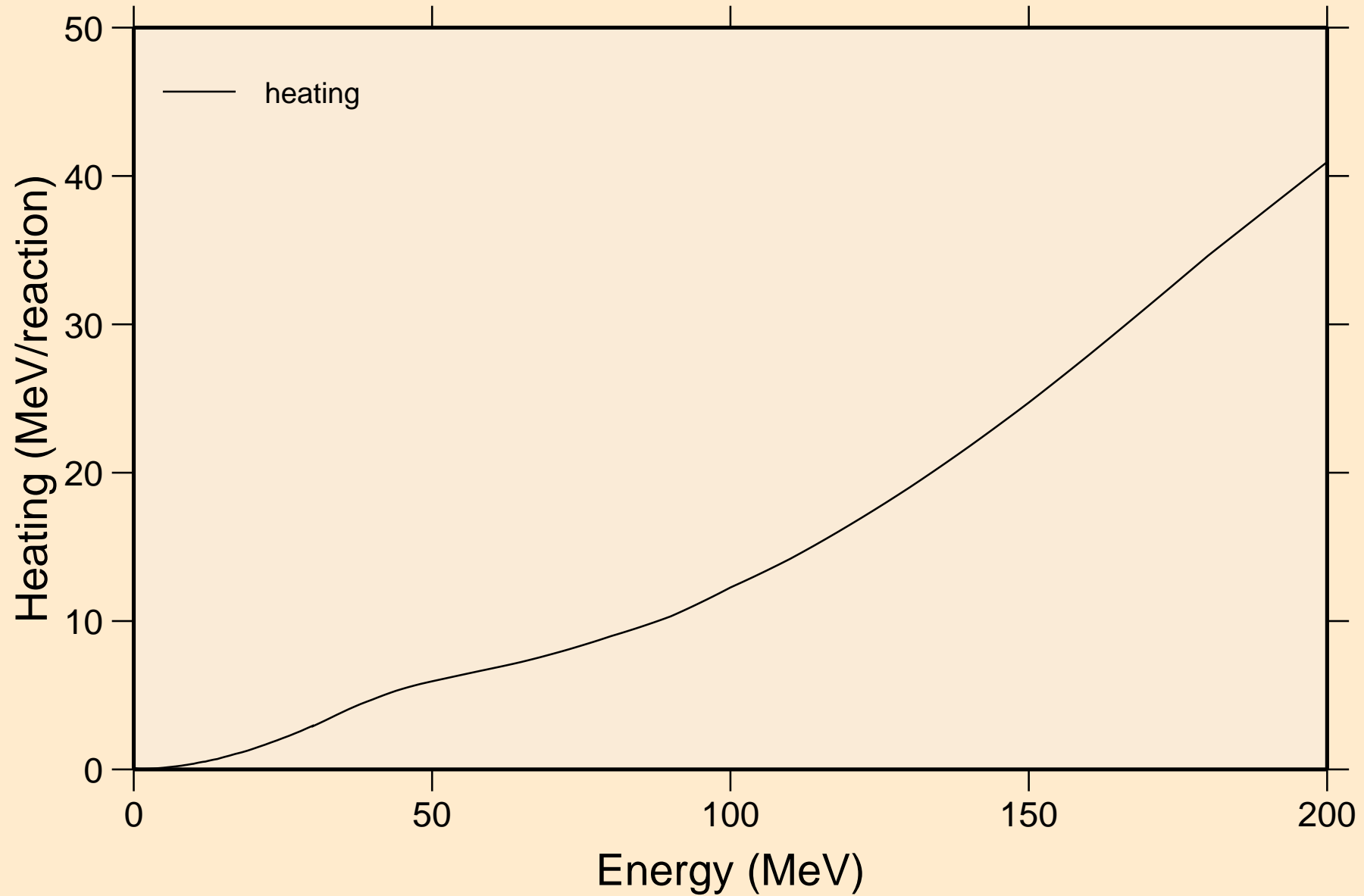
# TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



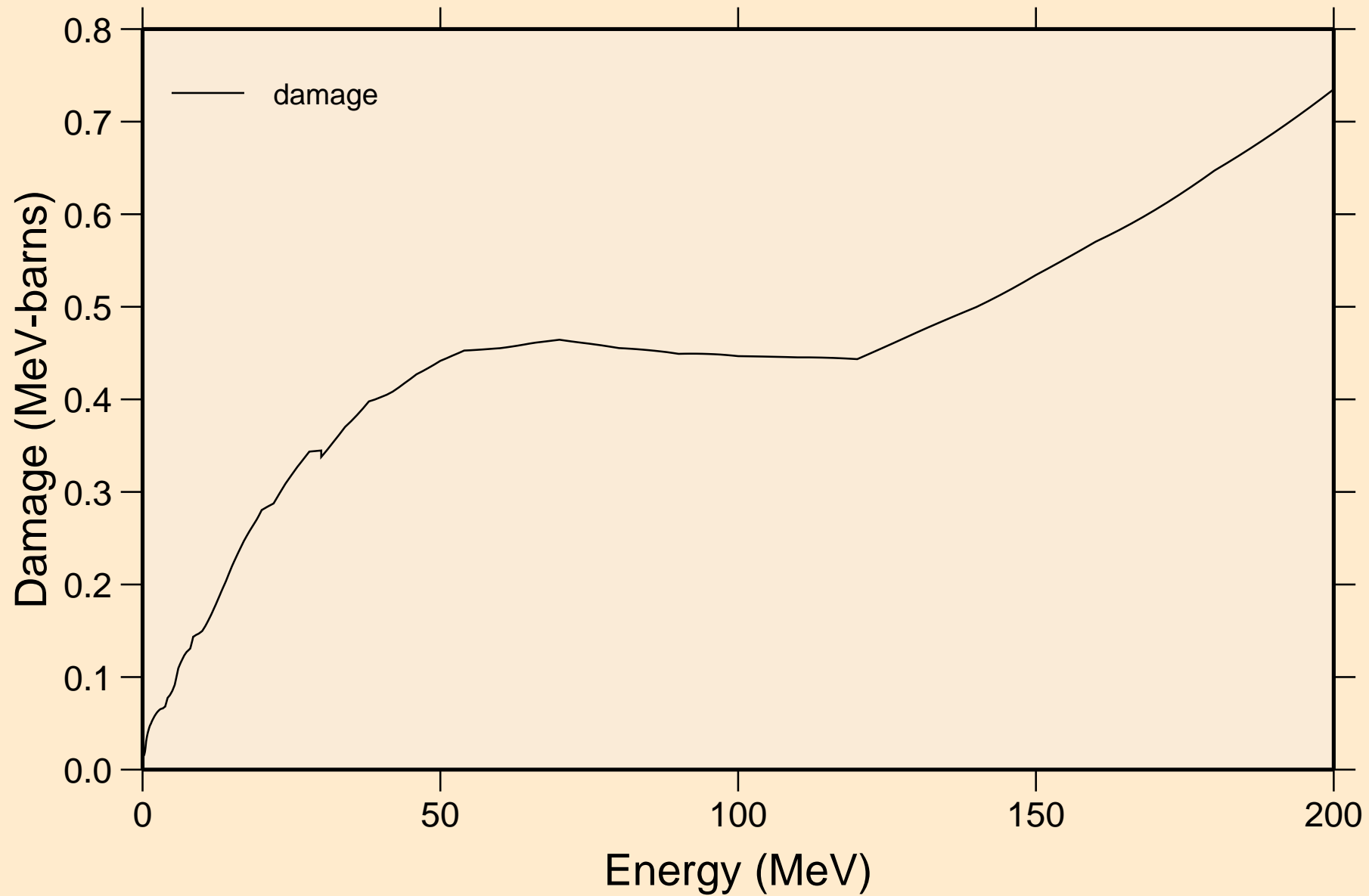
# TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

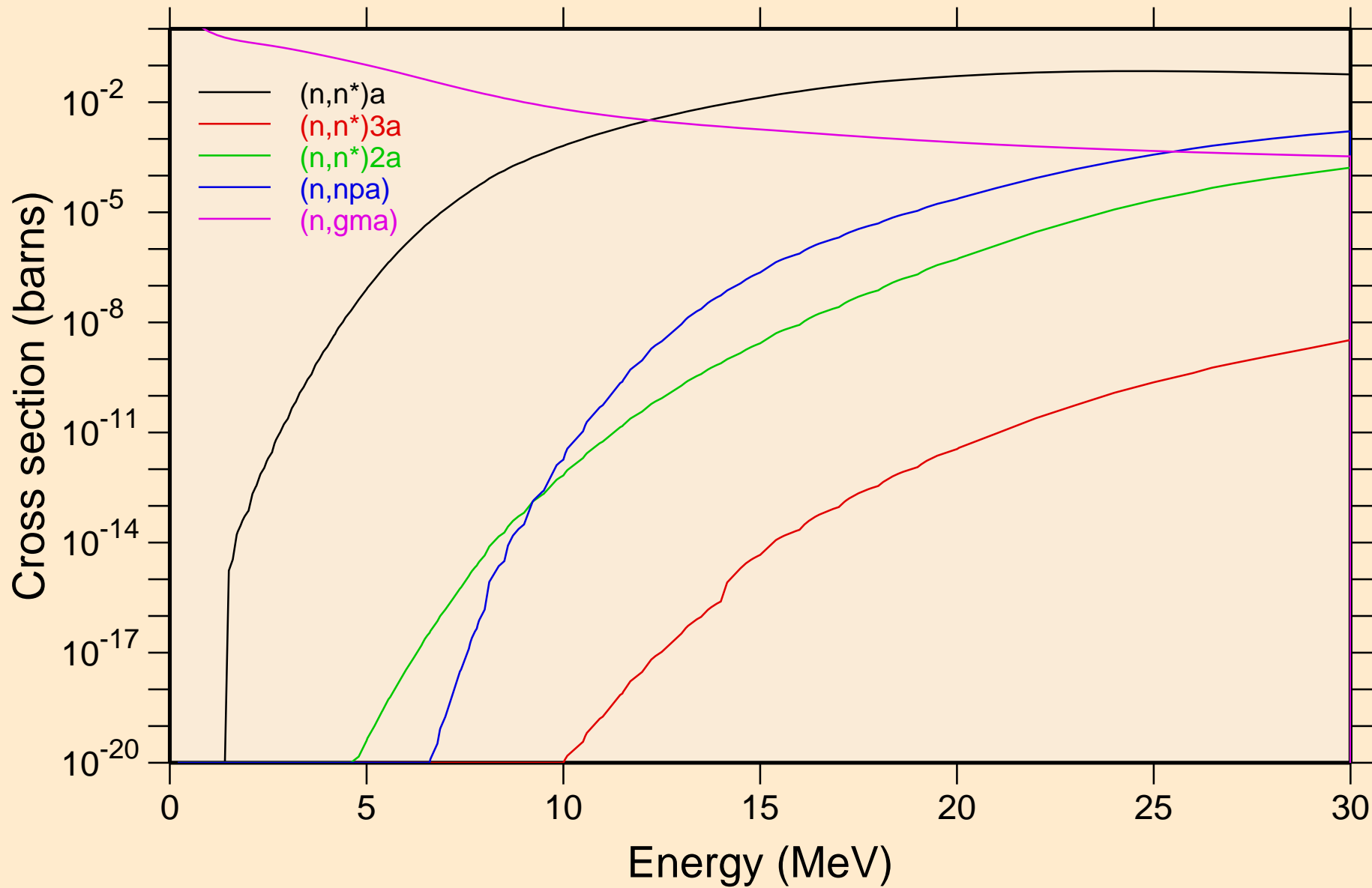




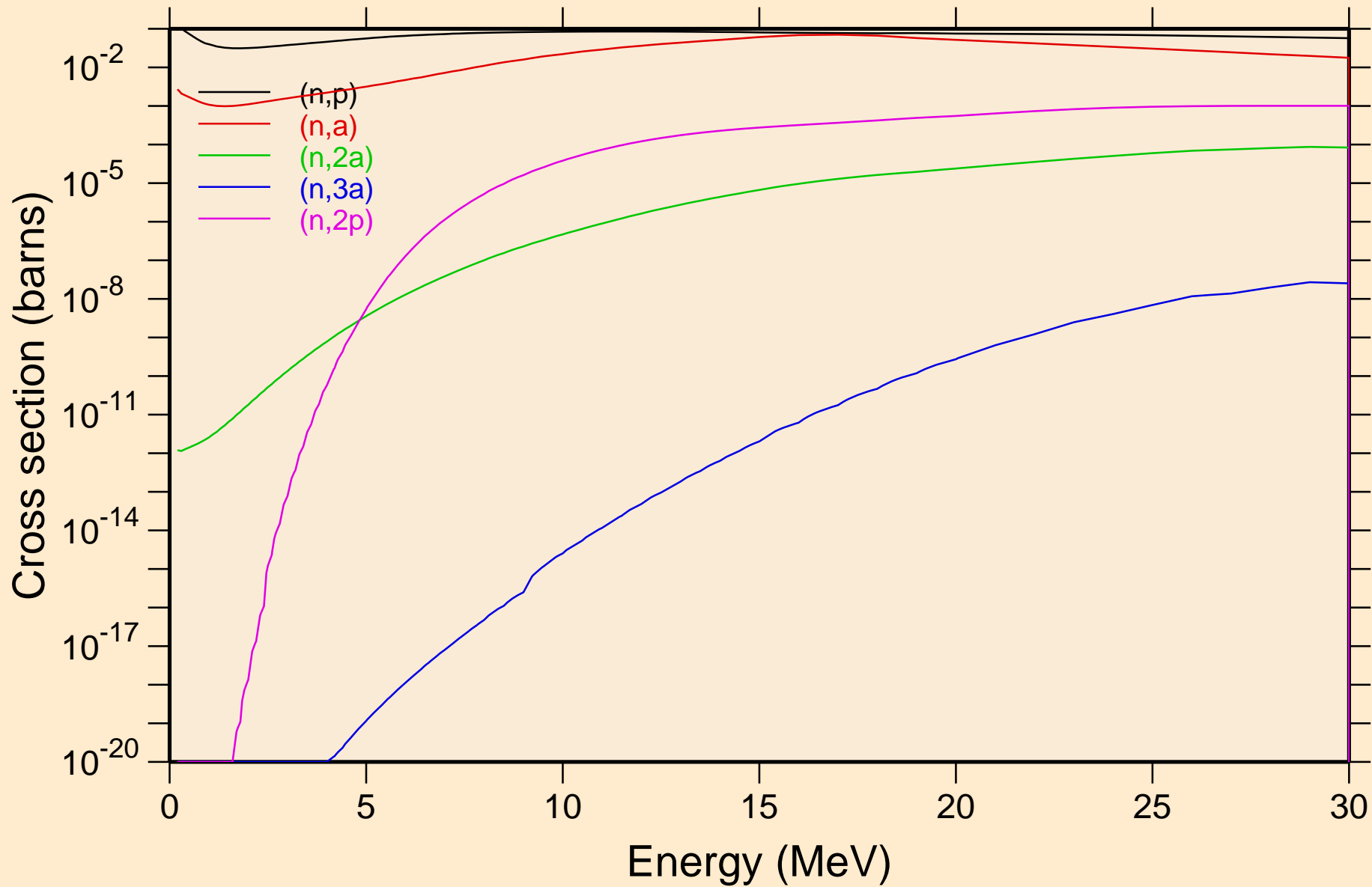
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



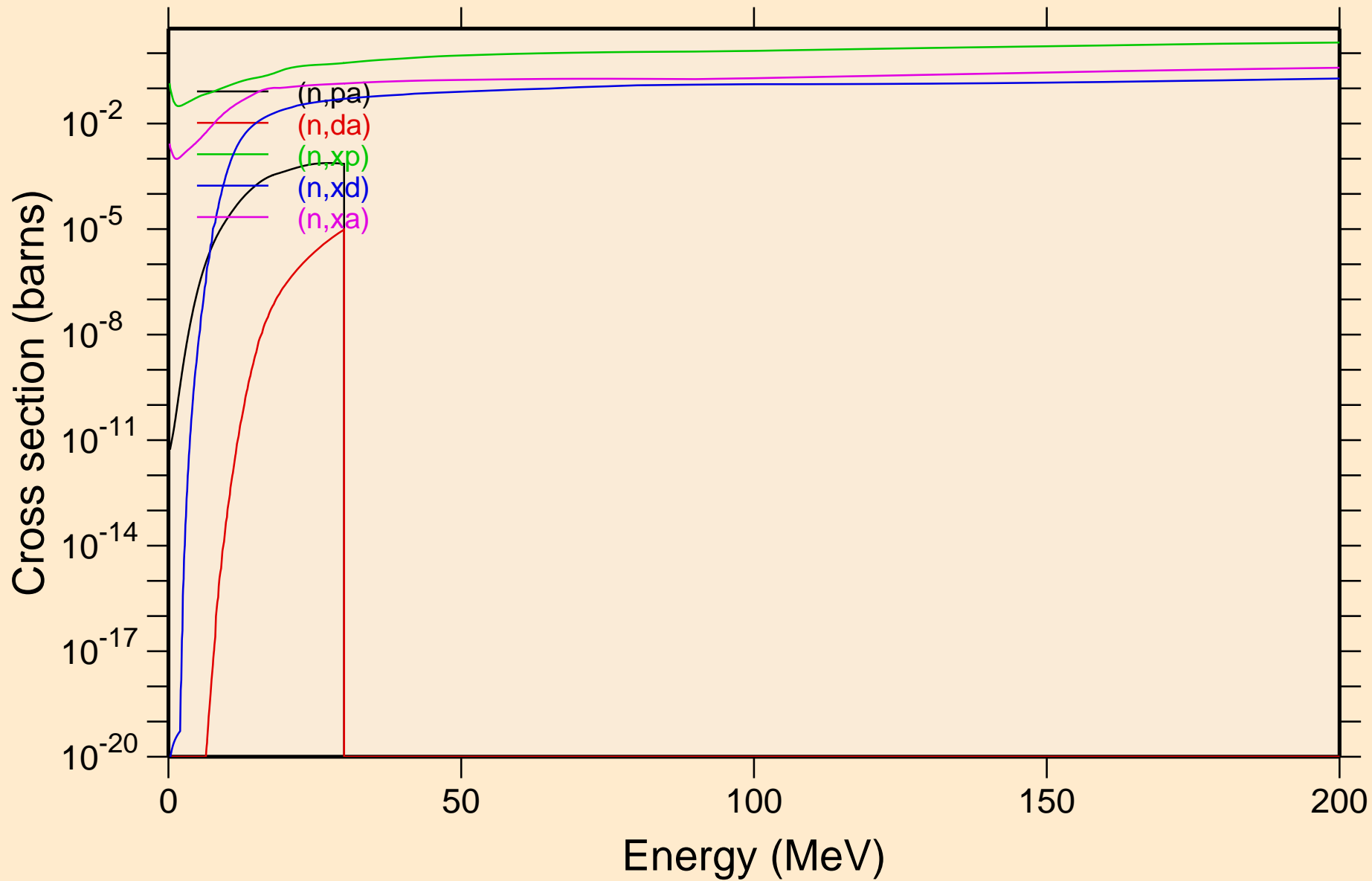
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



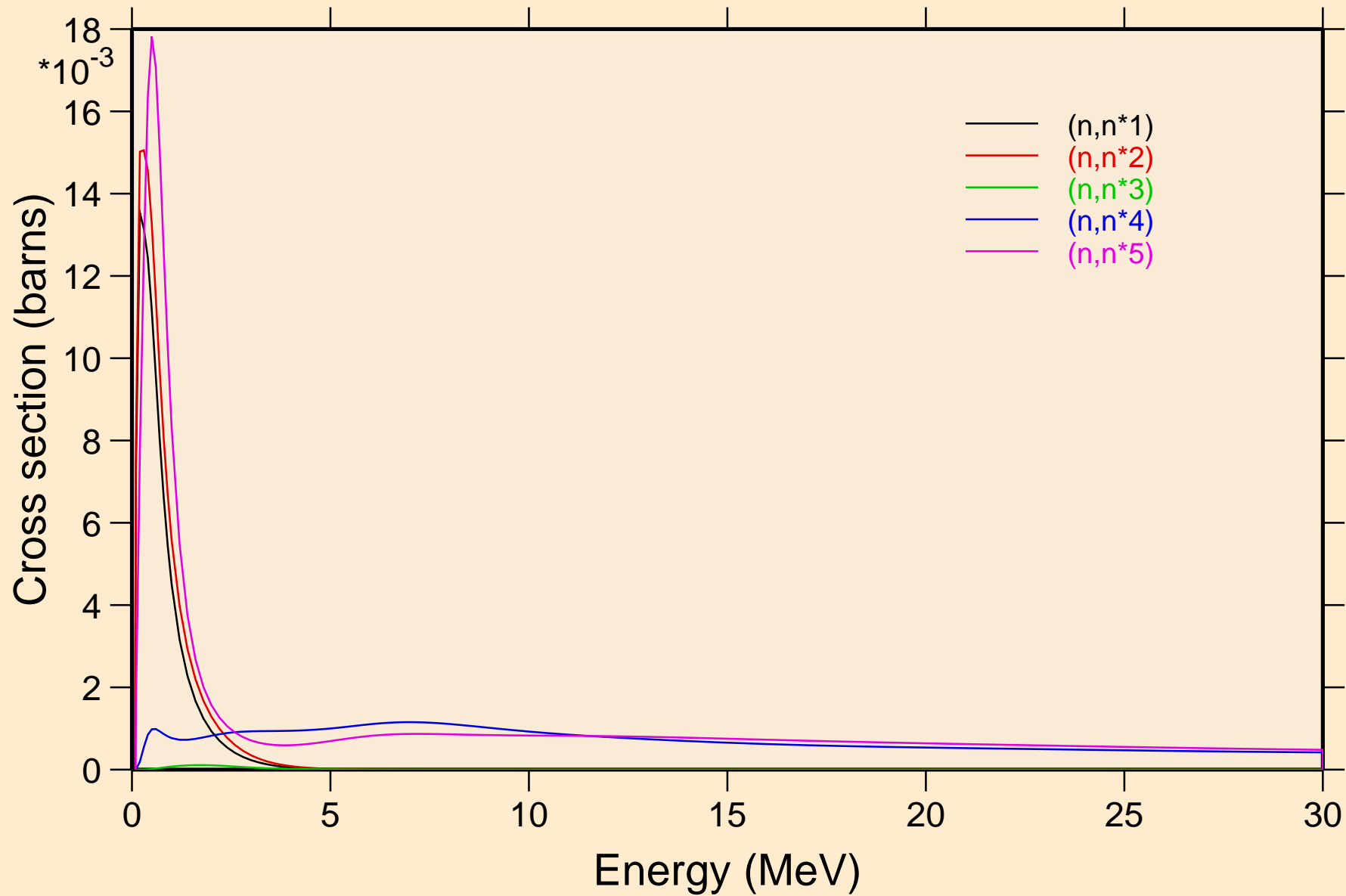
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



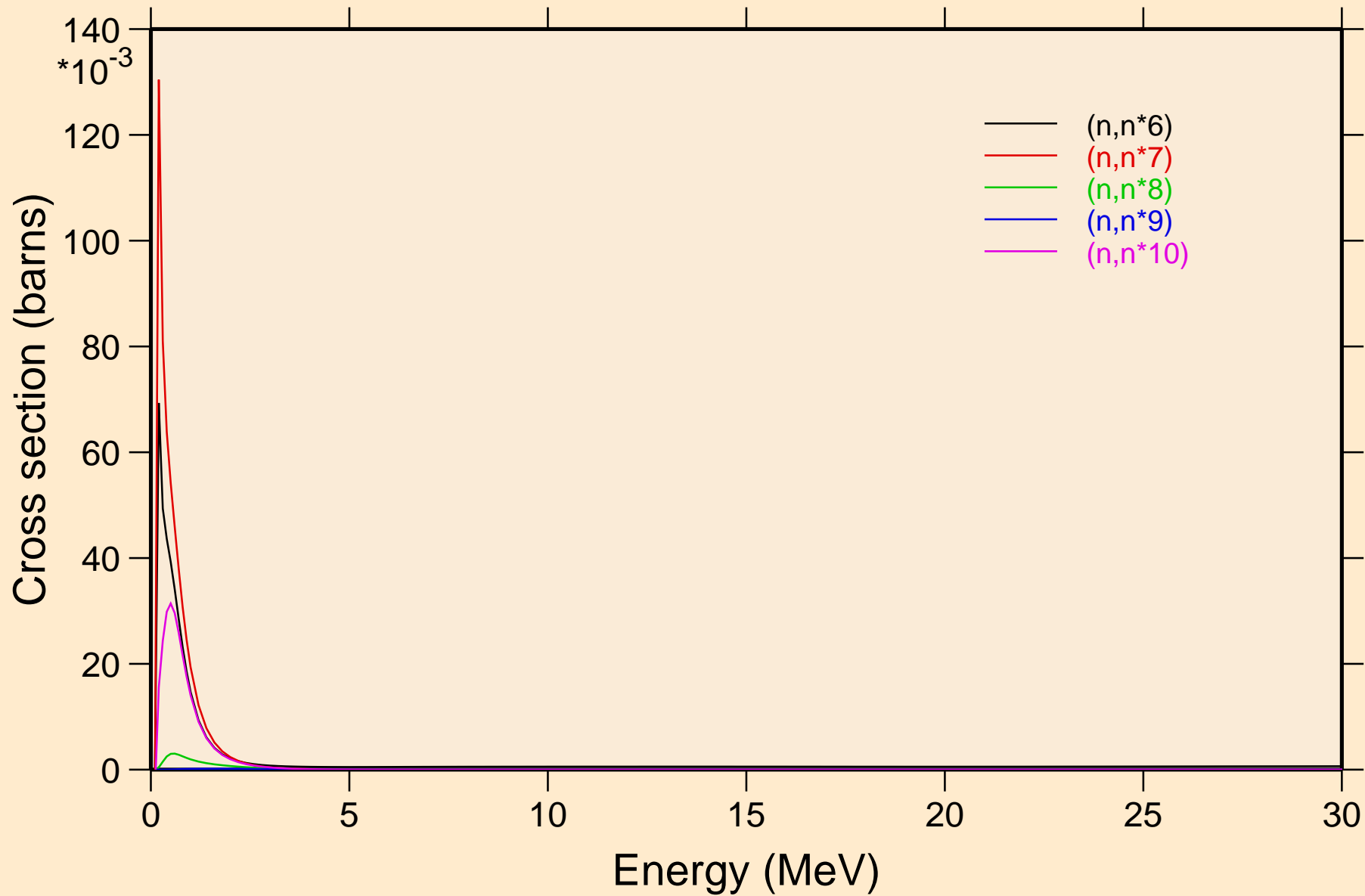
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



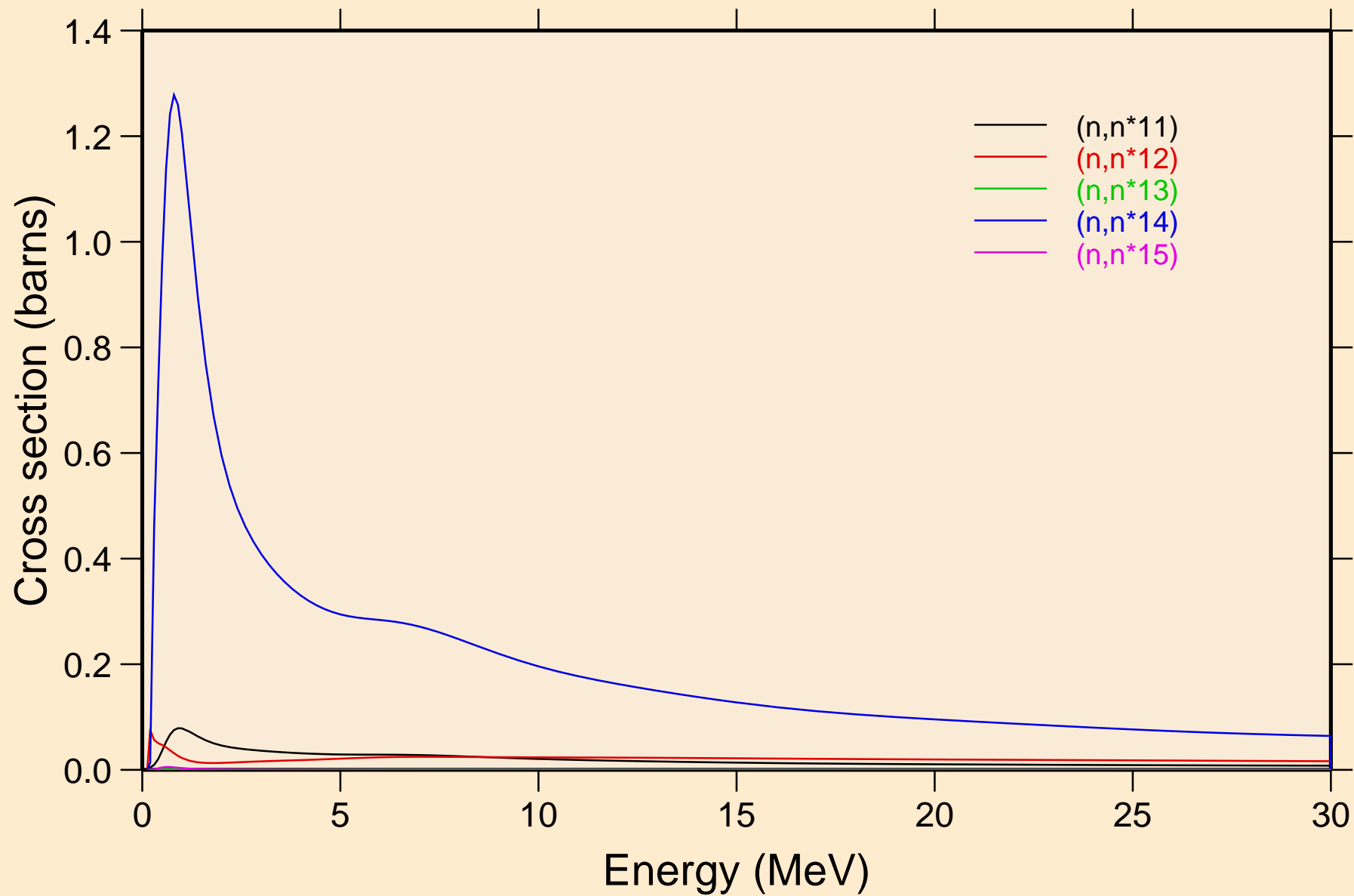
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

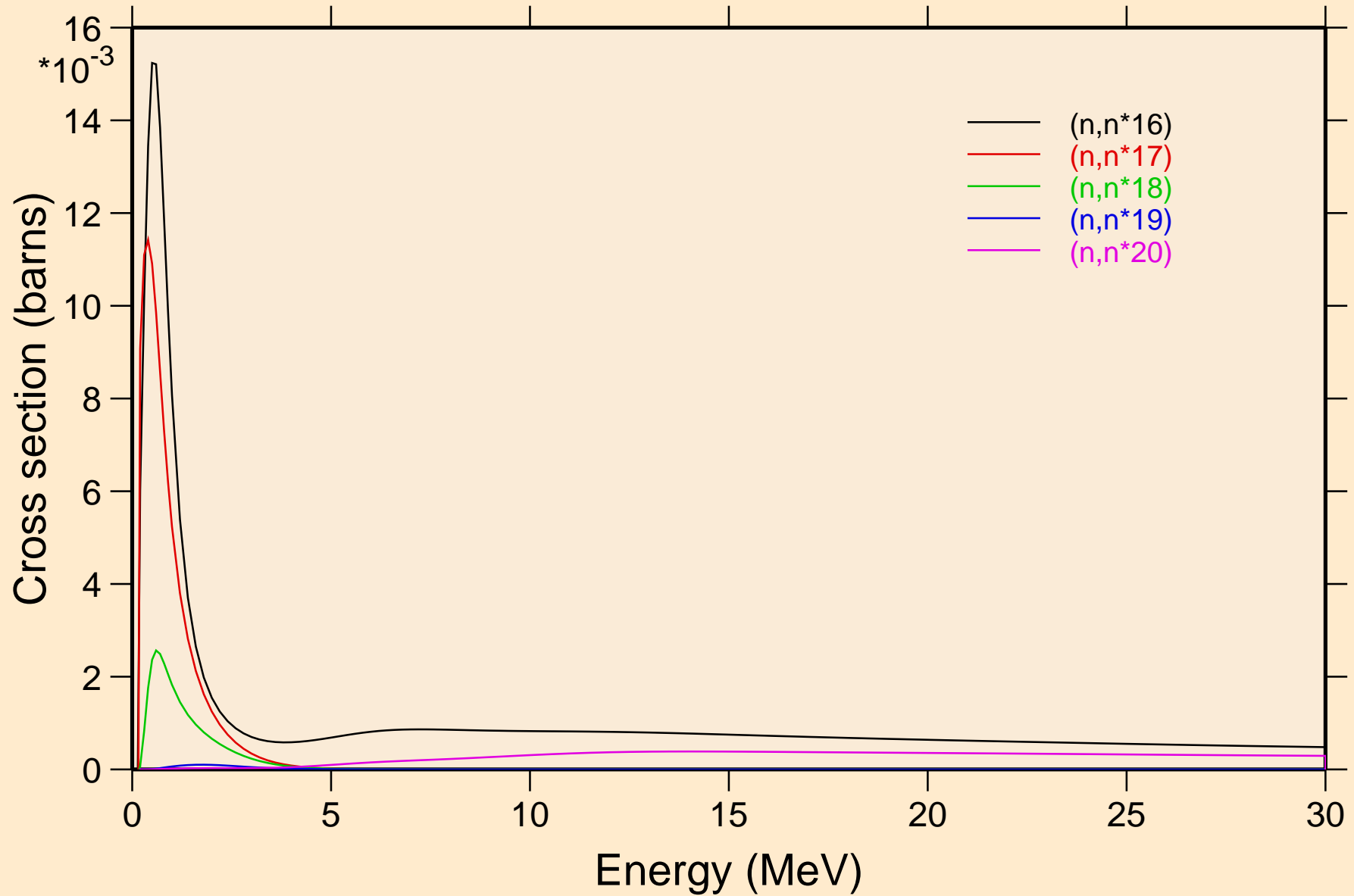


TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



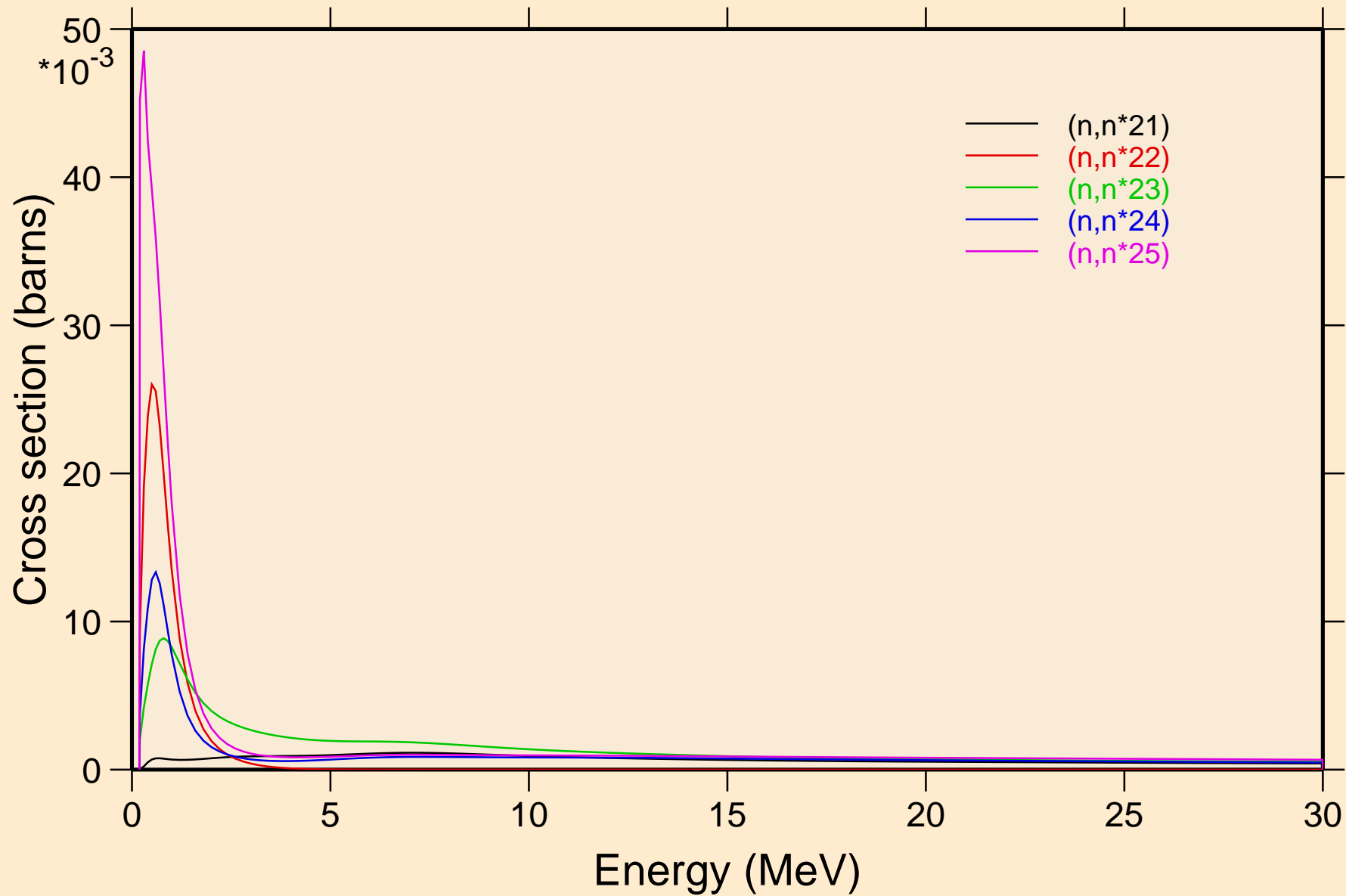
# TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels



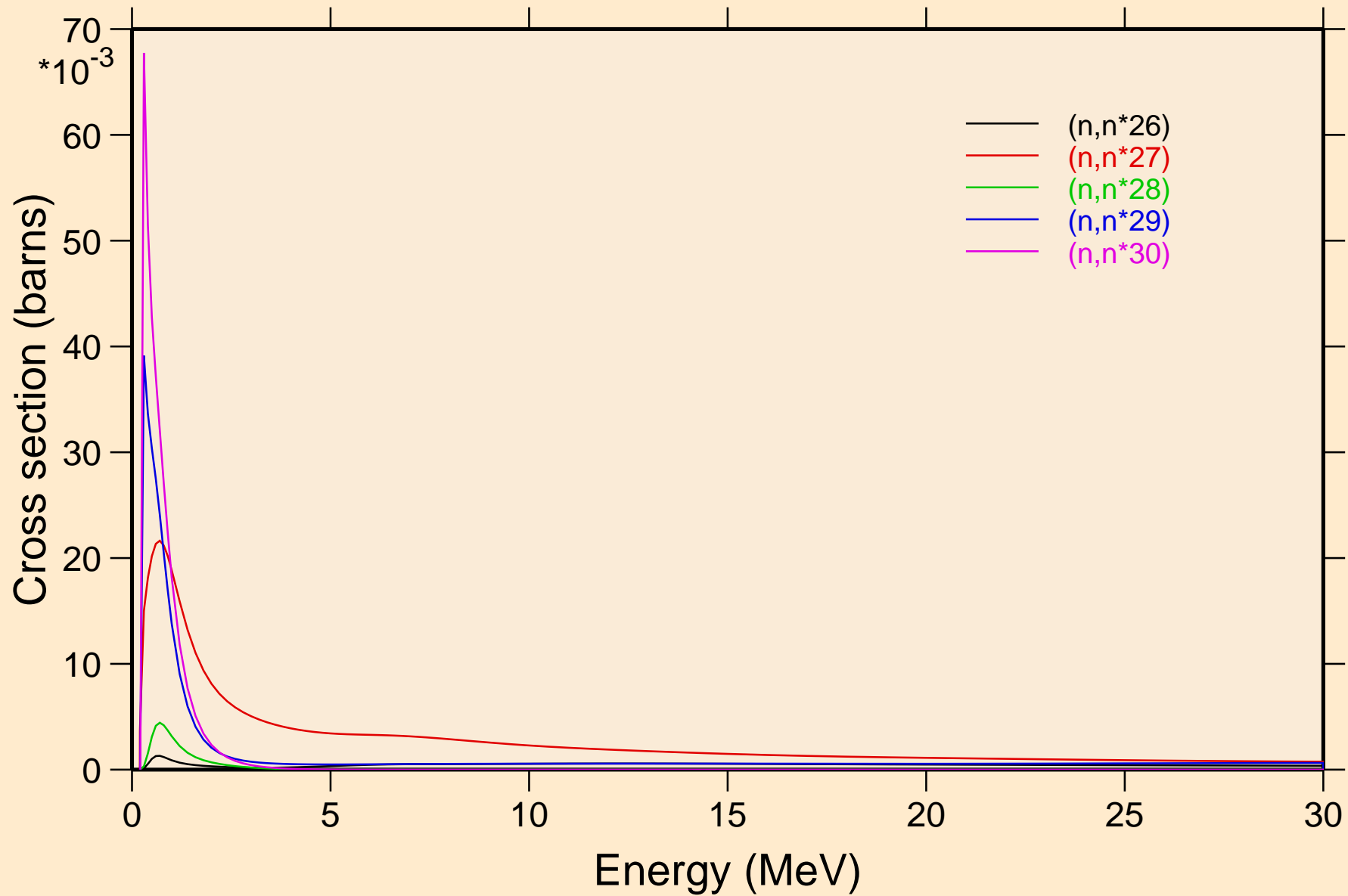


TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

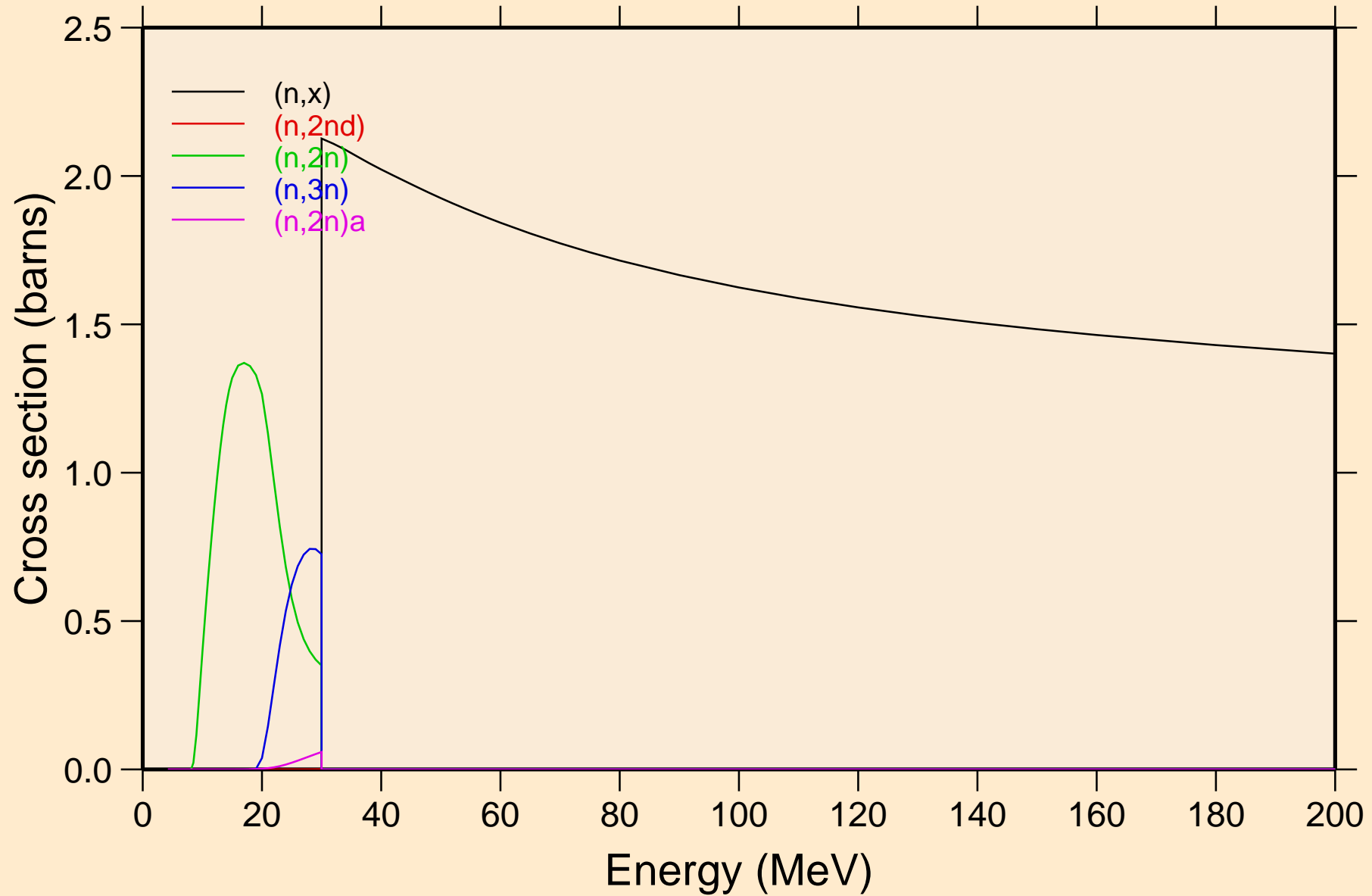


# TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

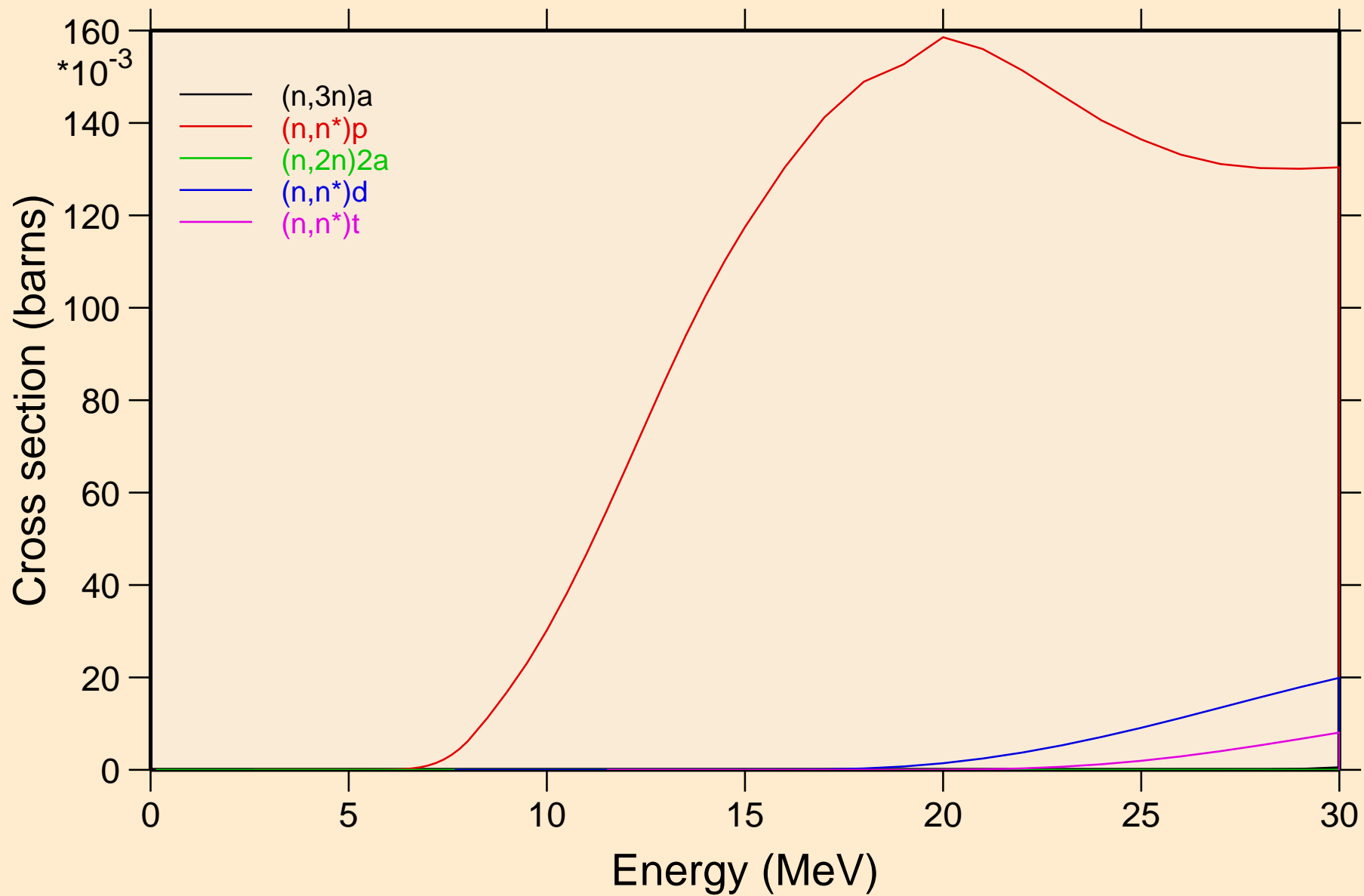
## Inelastic levels



TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

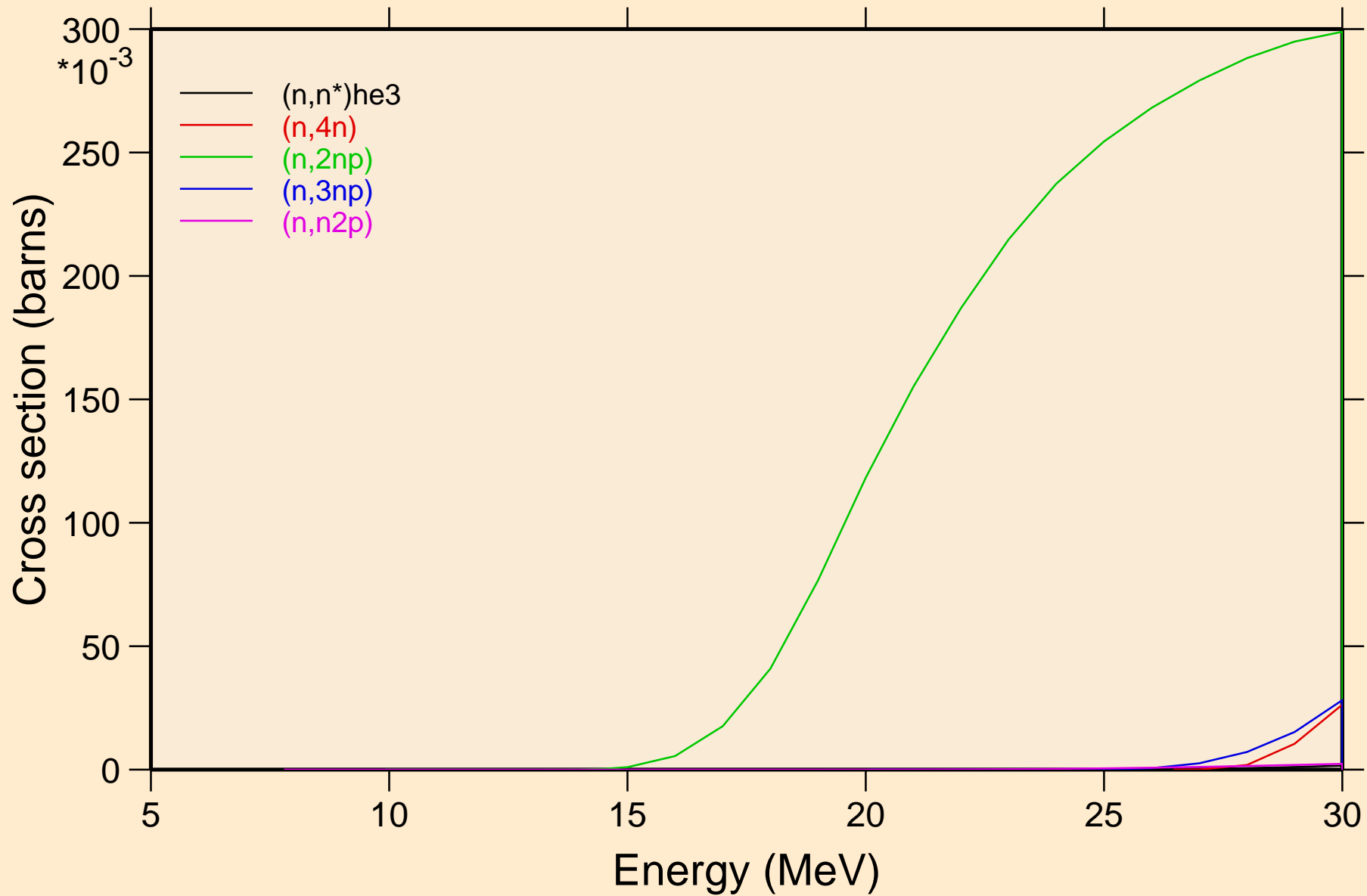


TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

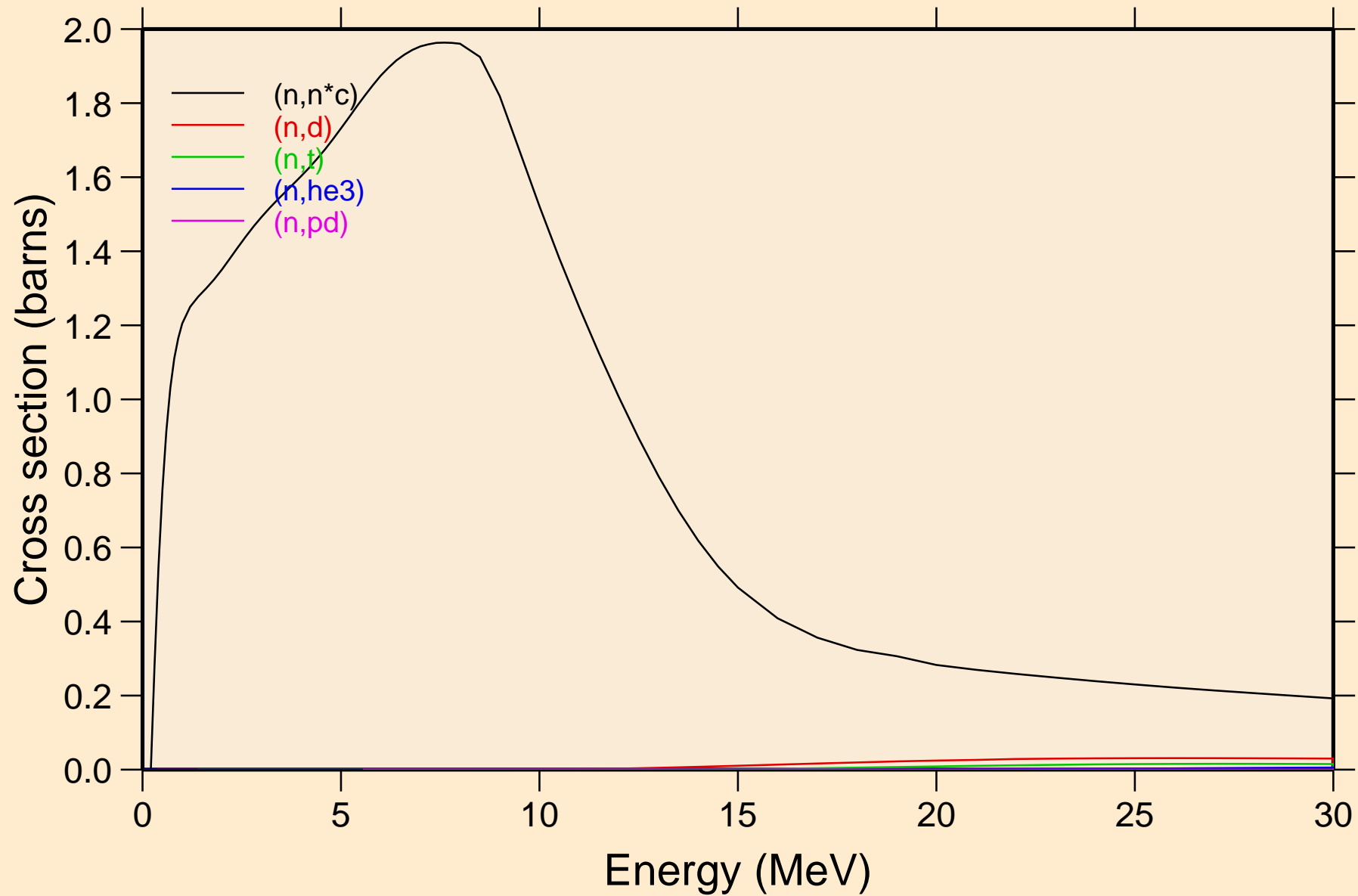


# TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

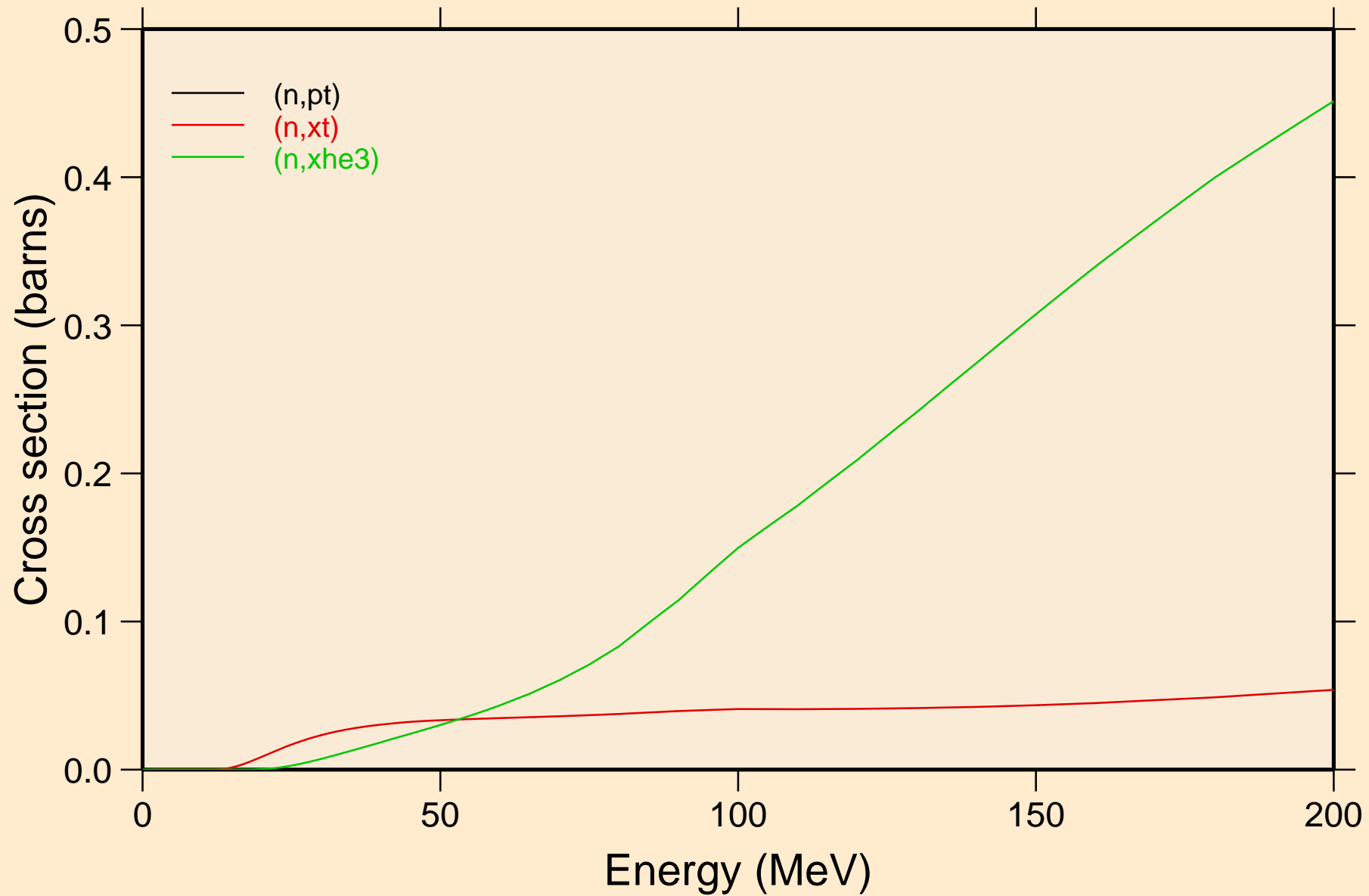
## Threshold reactions



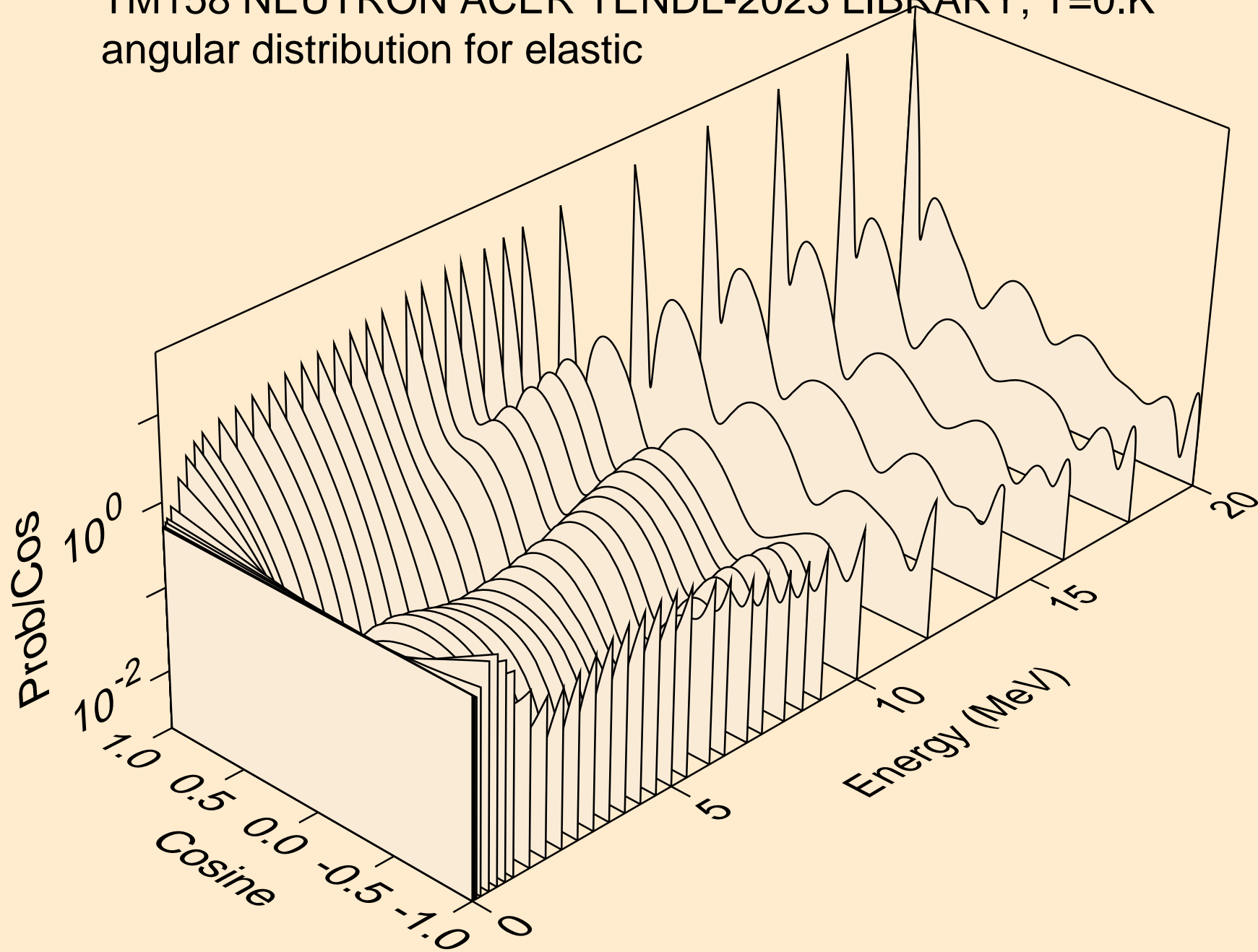
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

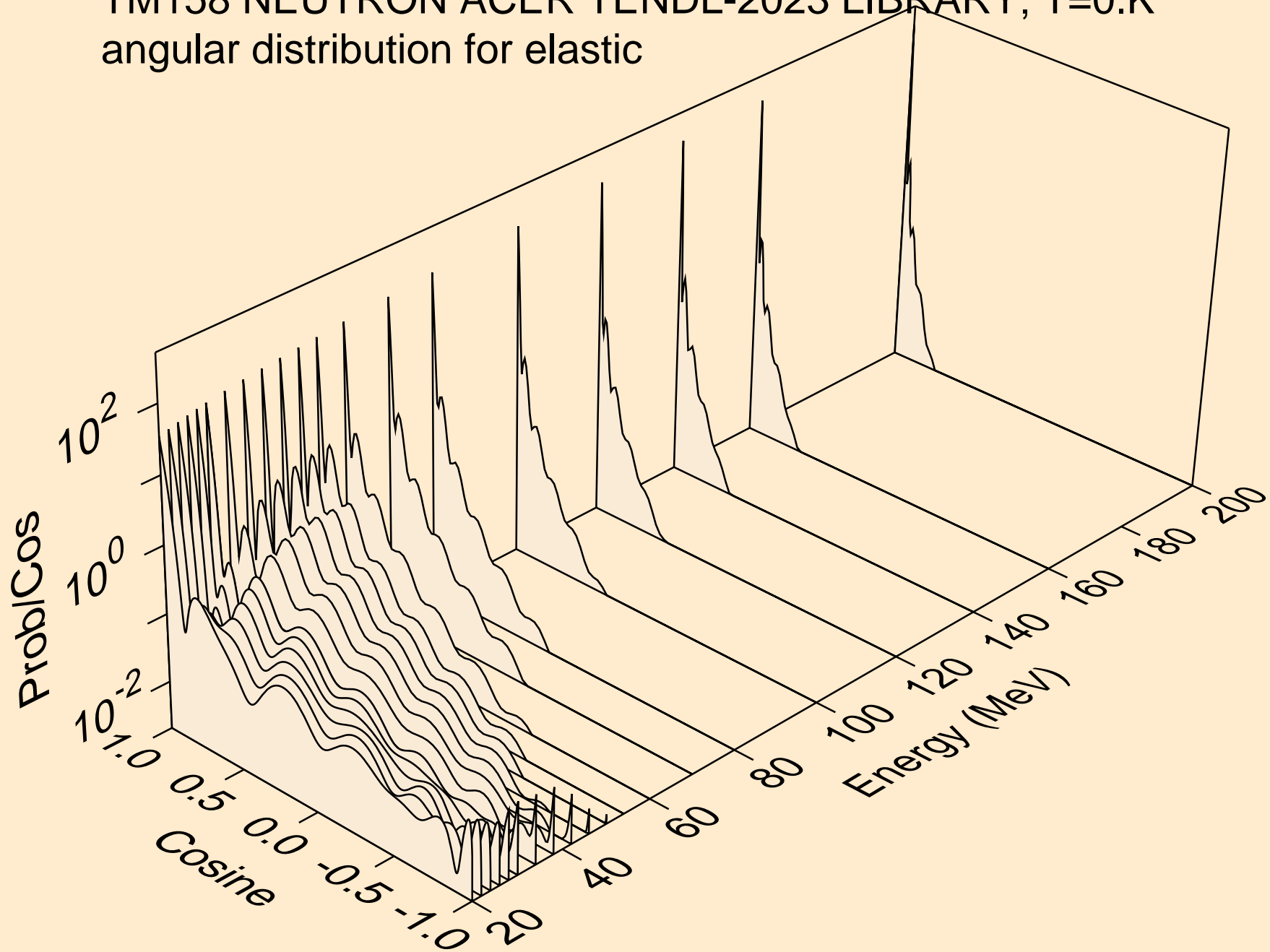


TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

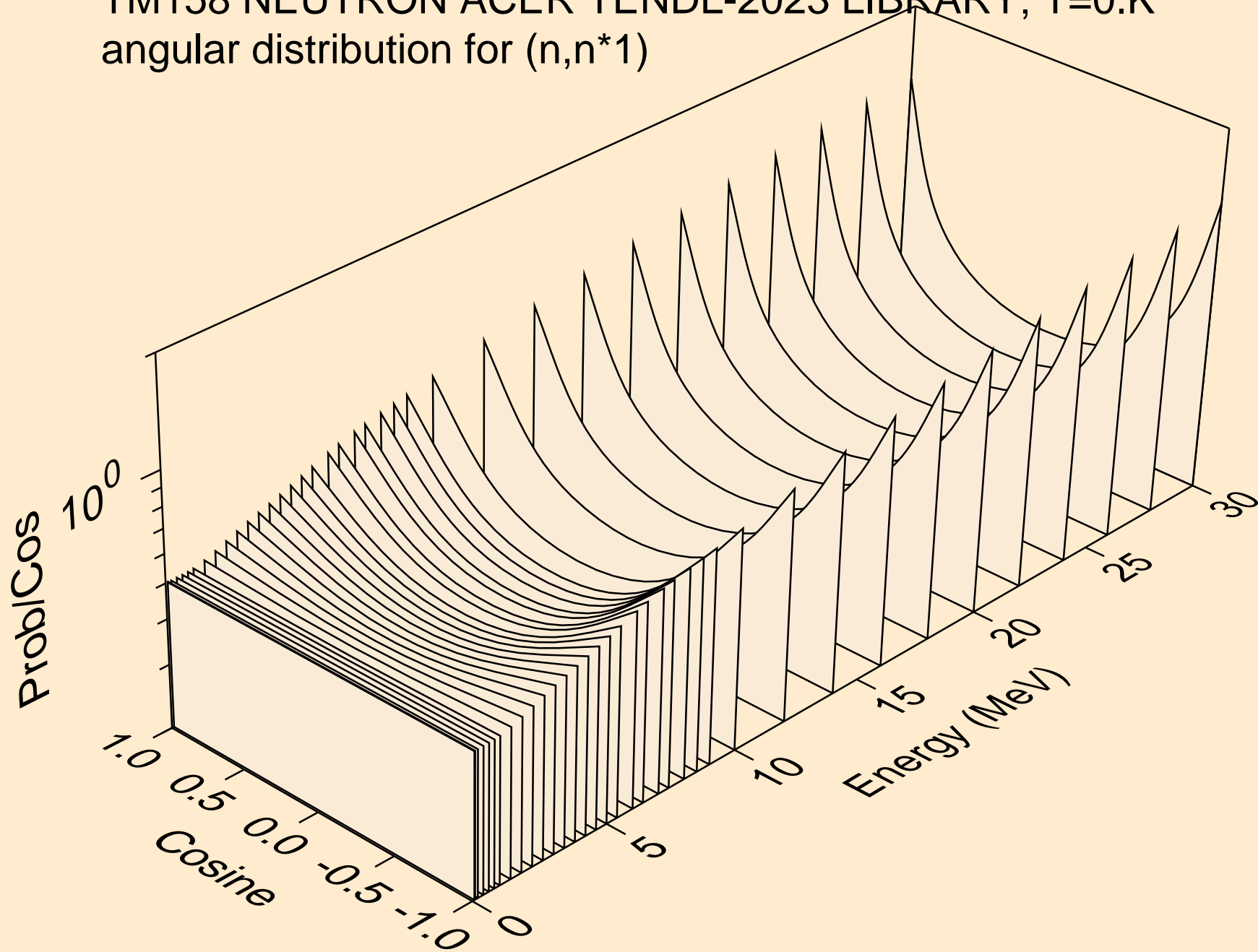




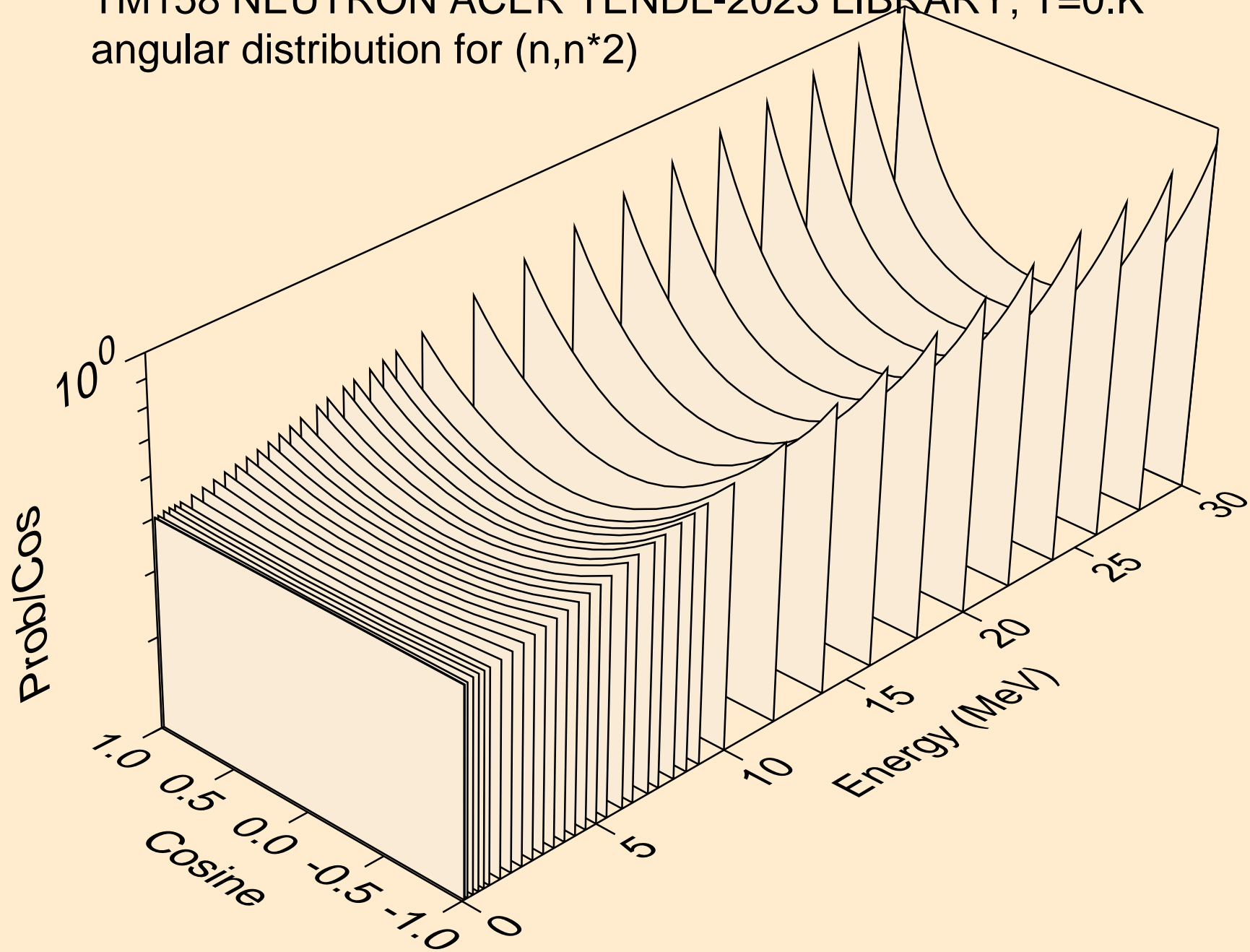
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



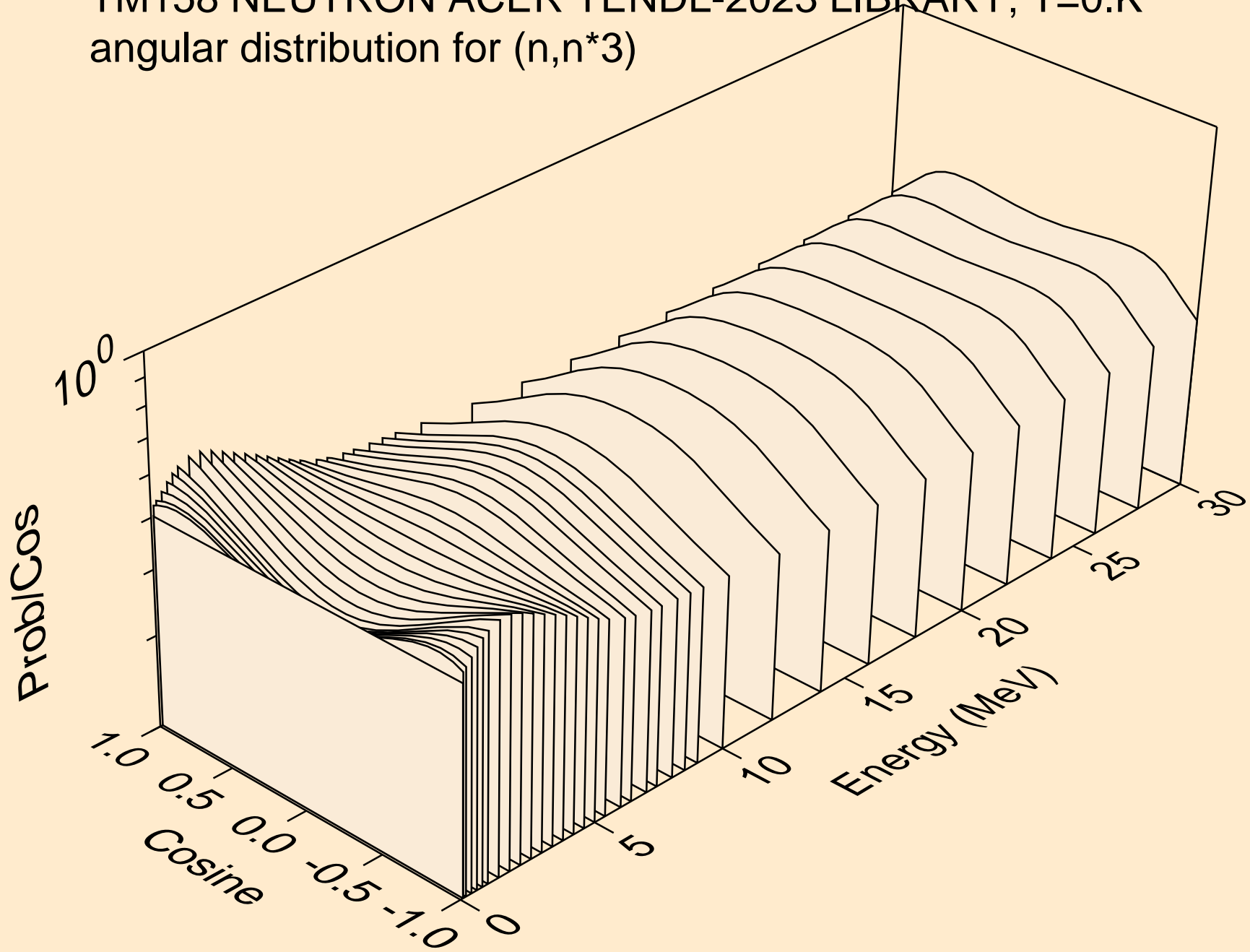
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



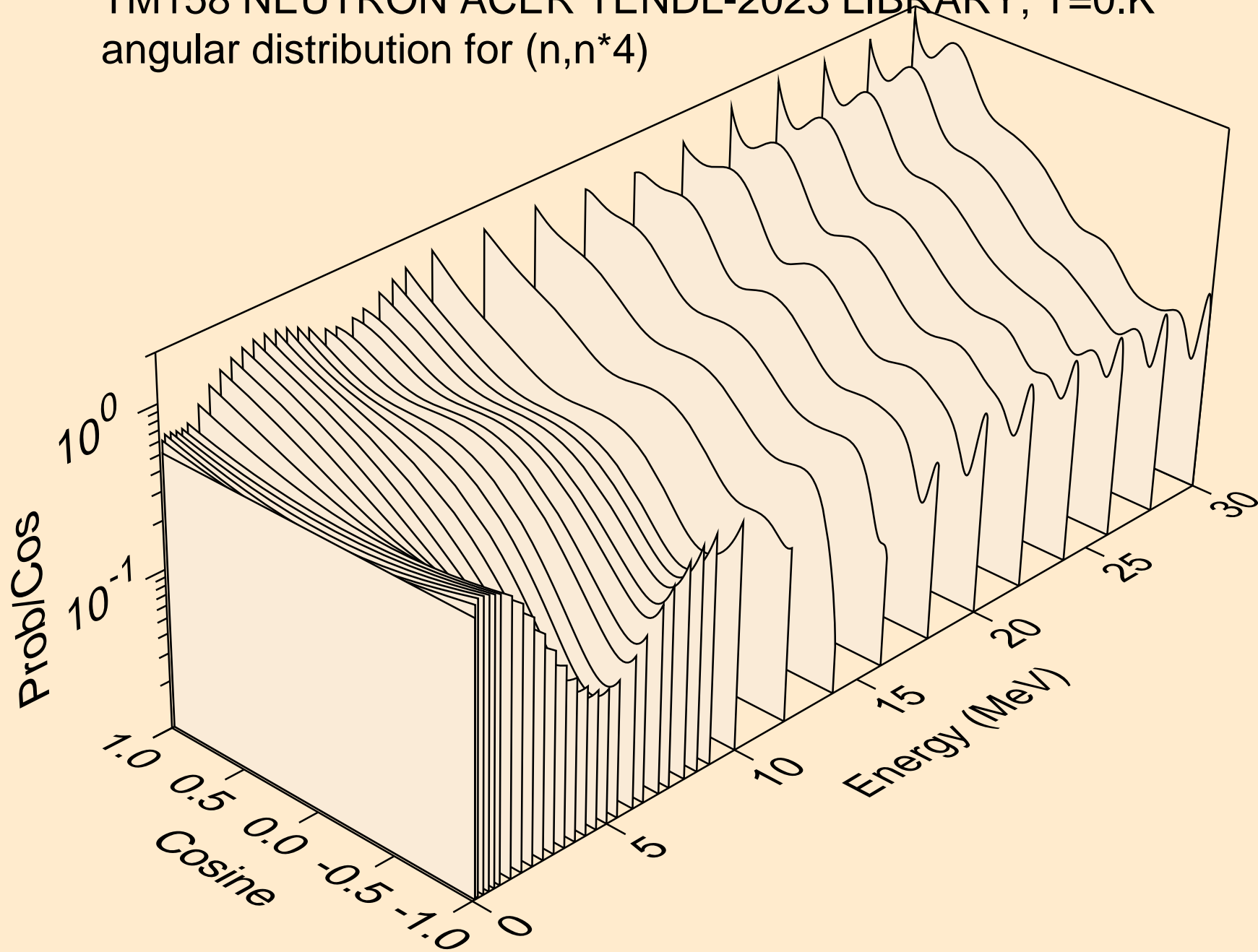
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



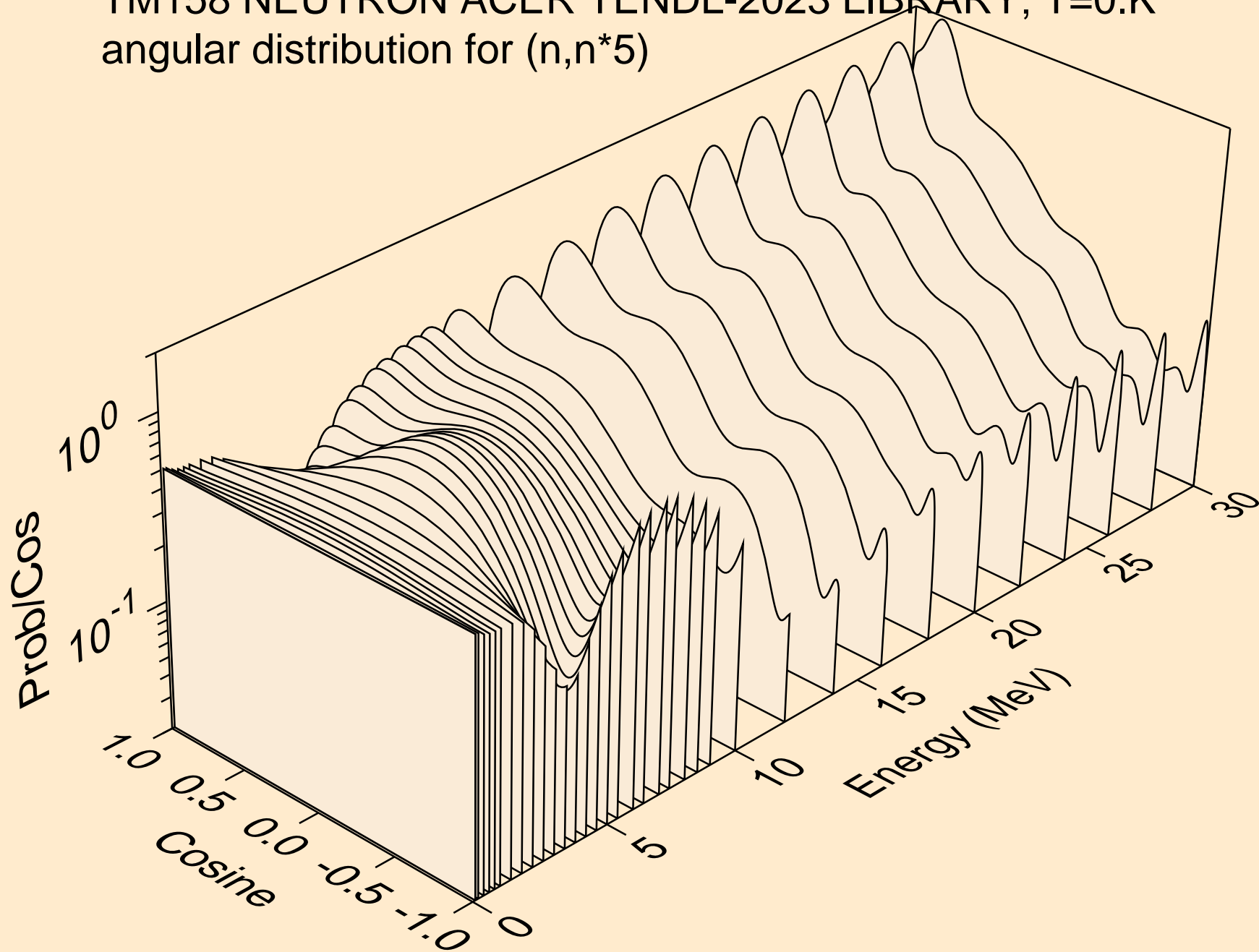
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



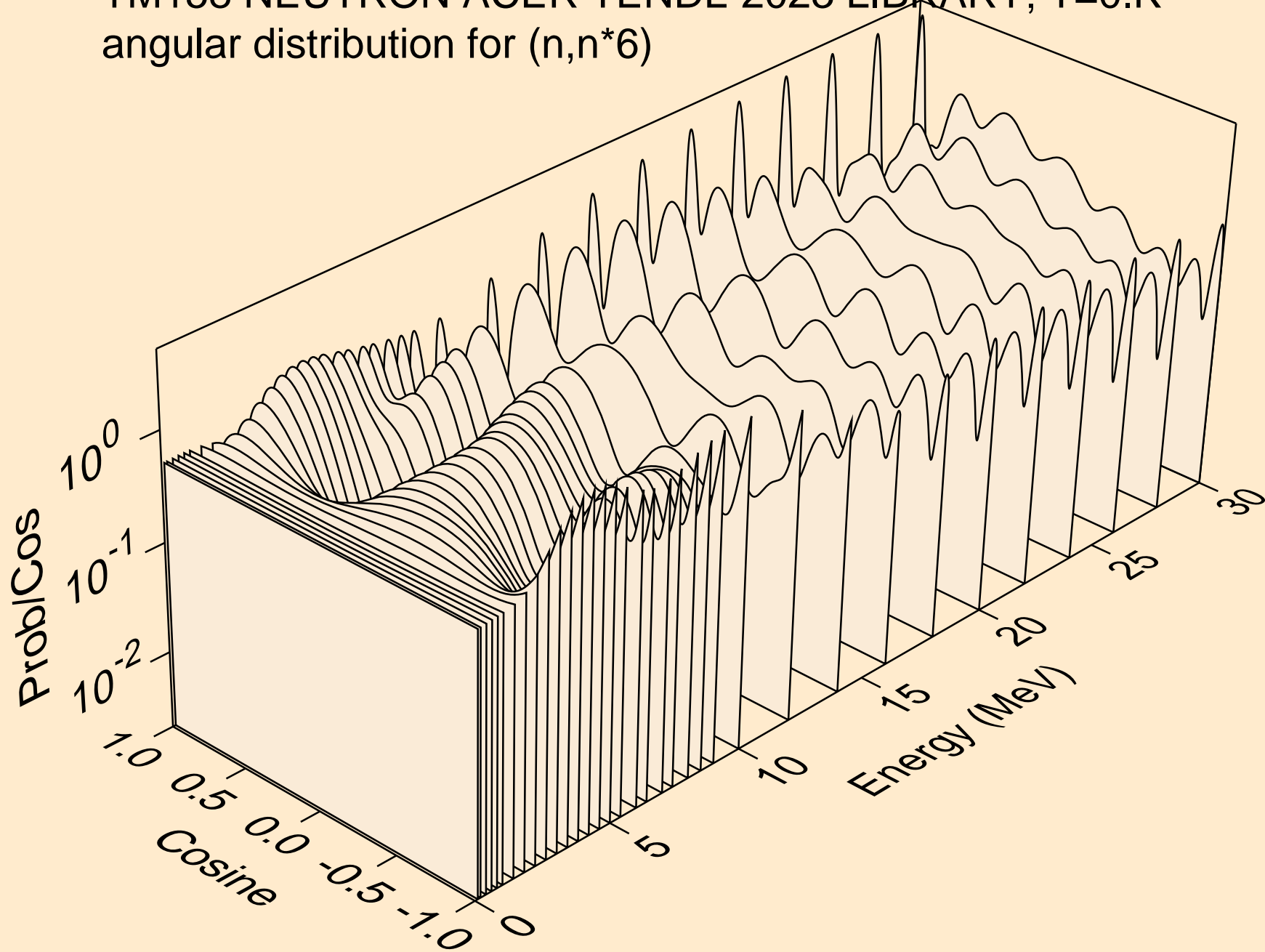
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



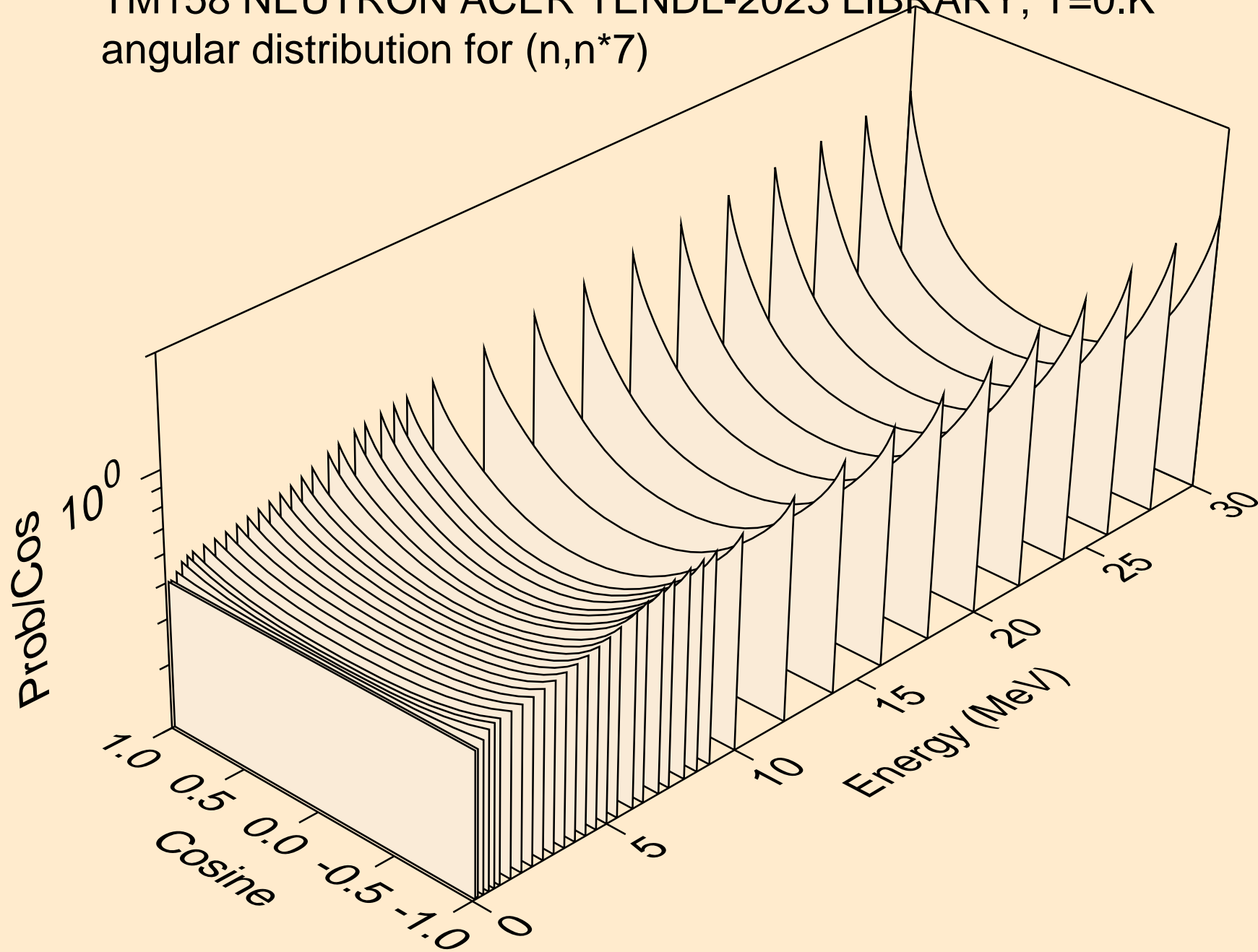
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)

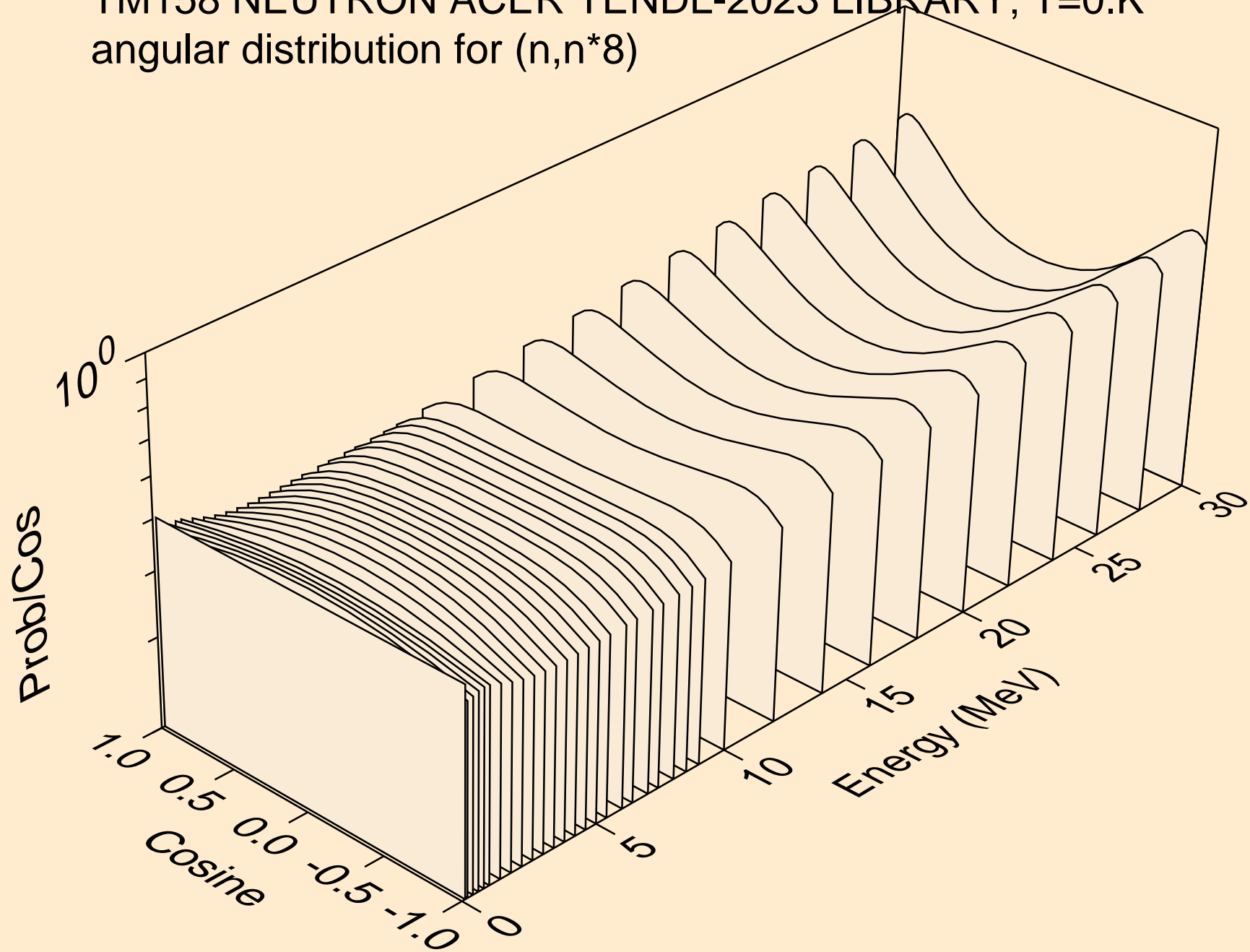


TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)

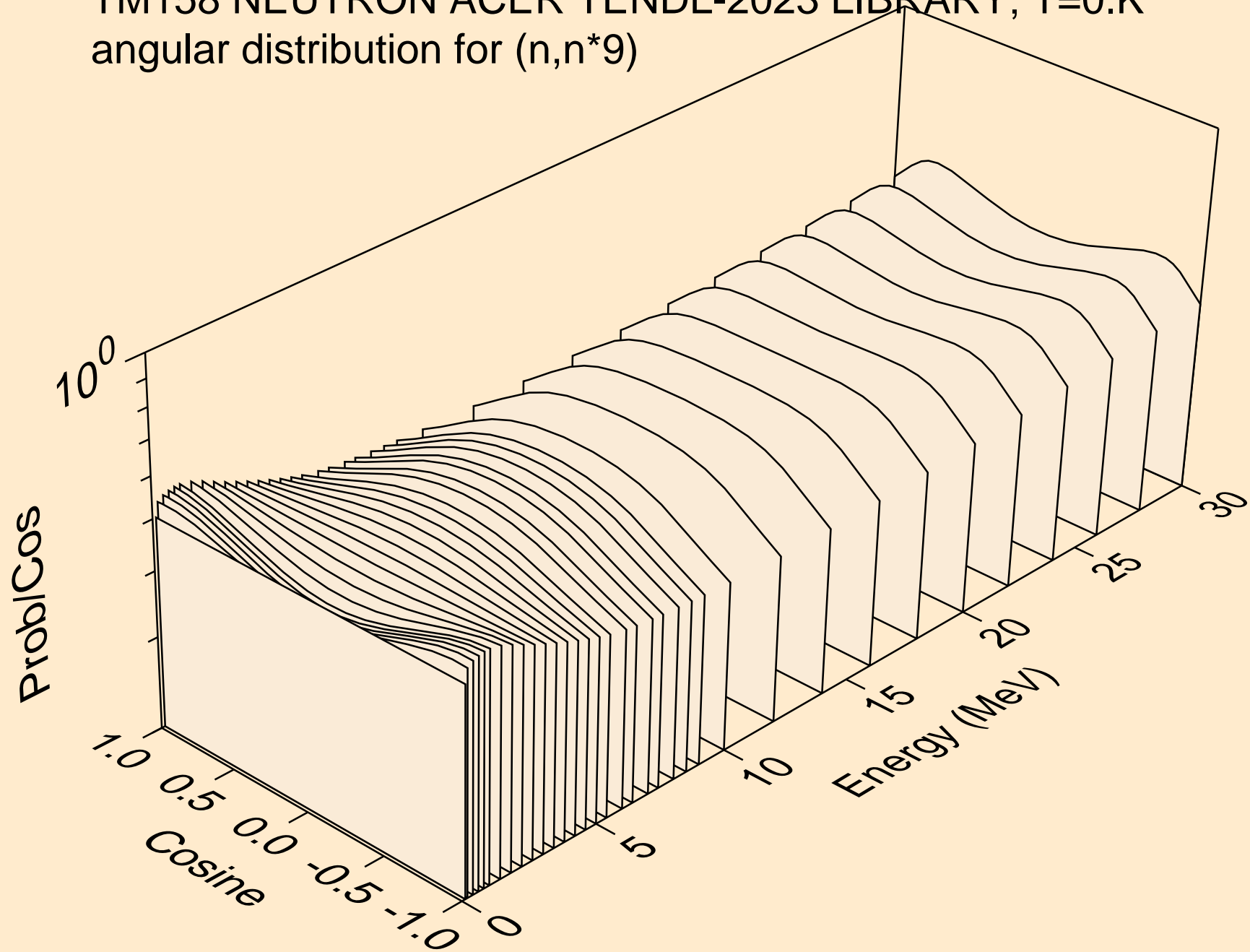




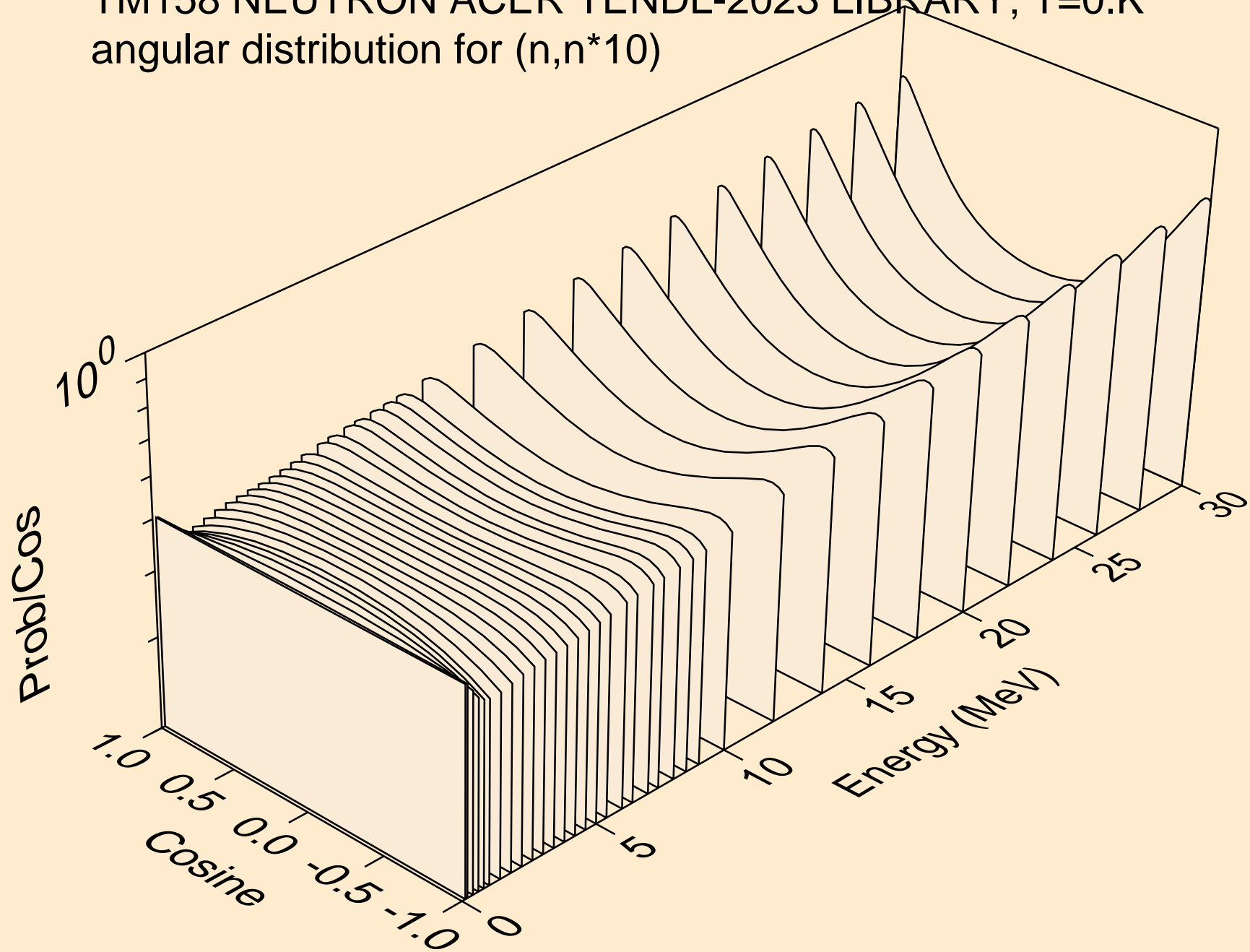
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



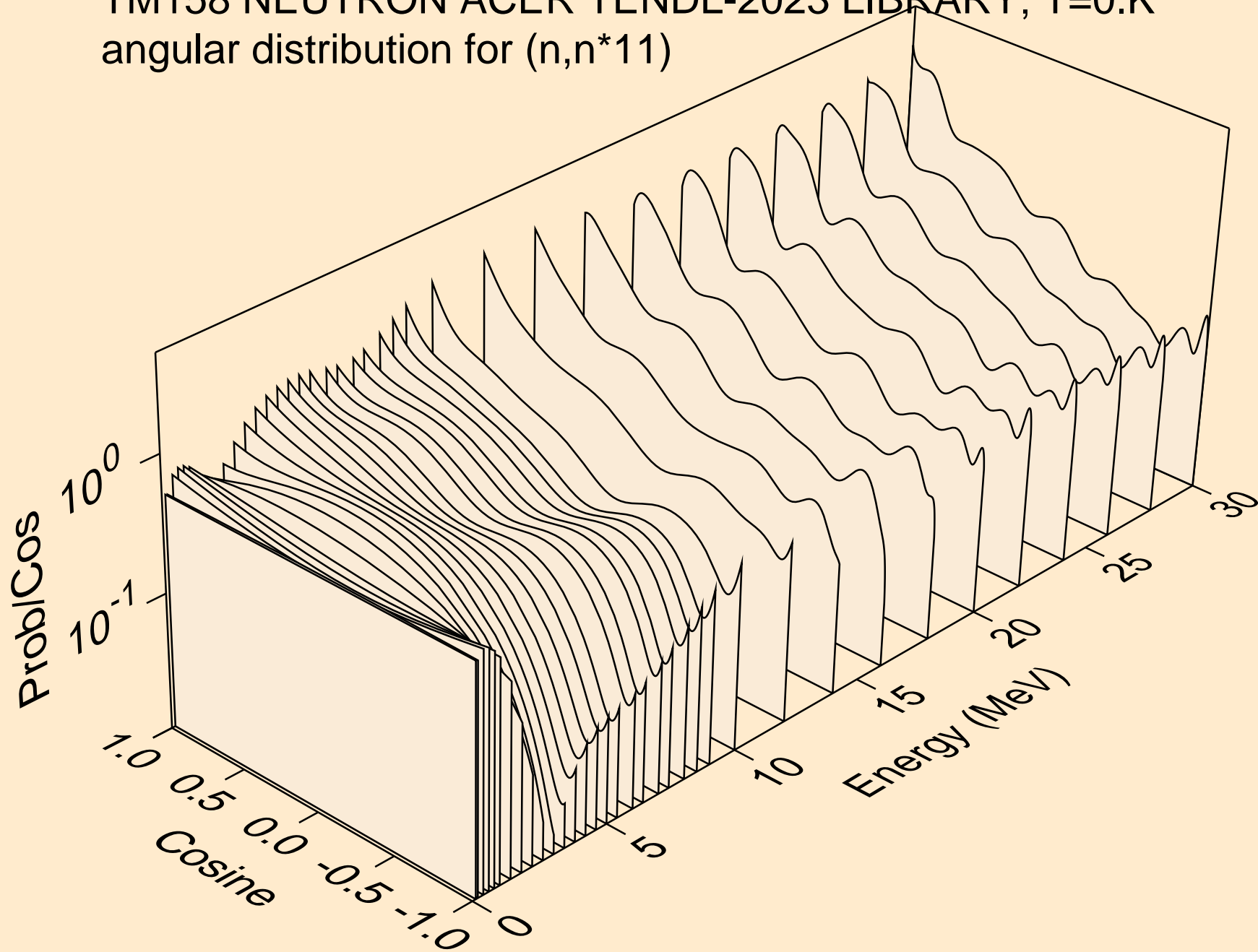
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



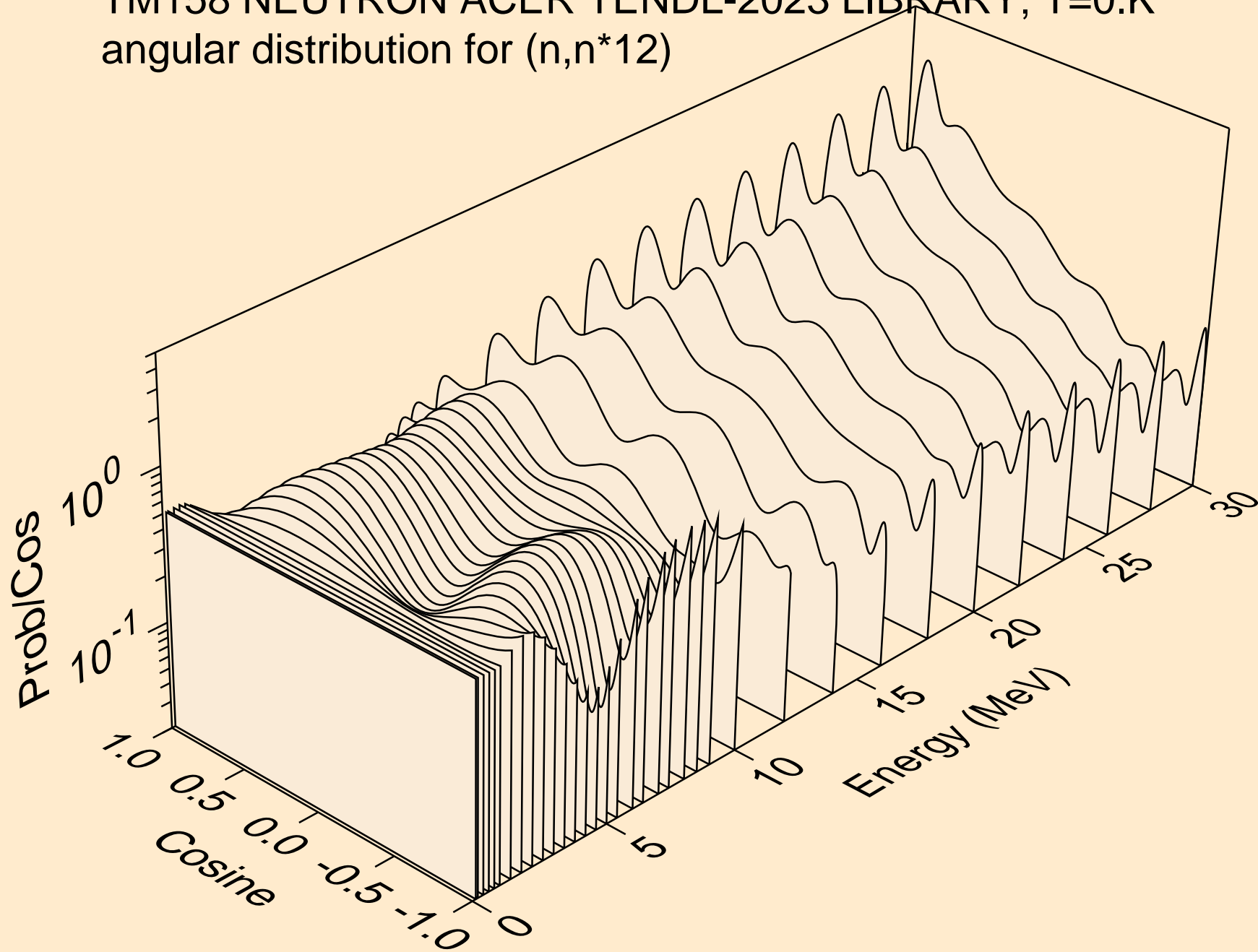
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



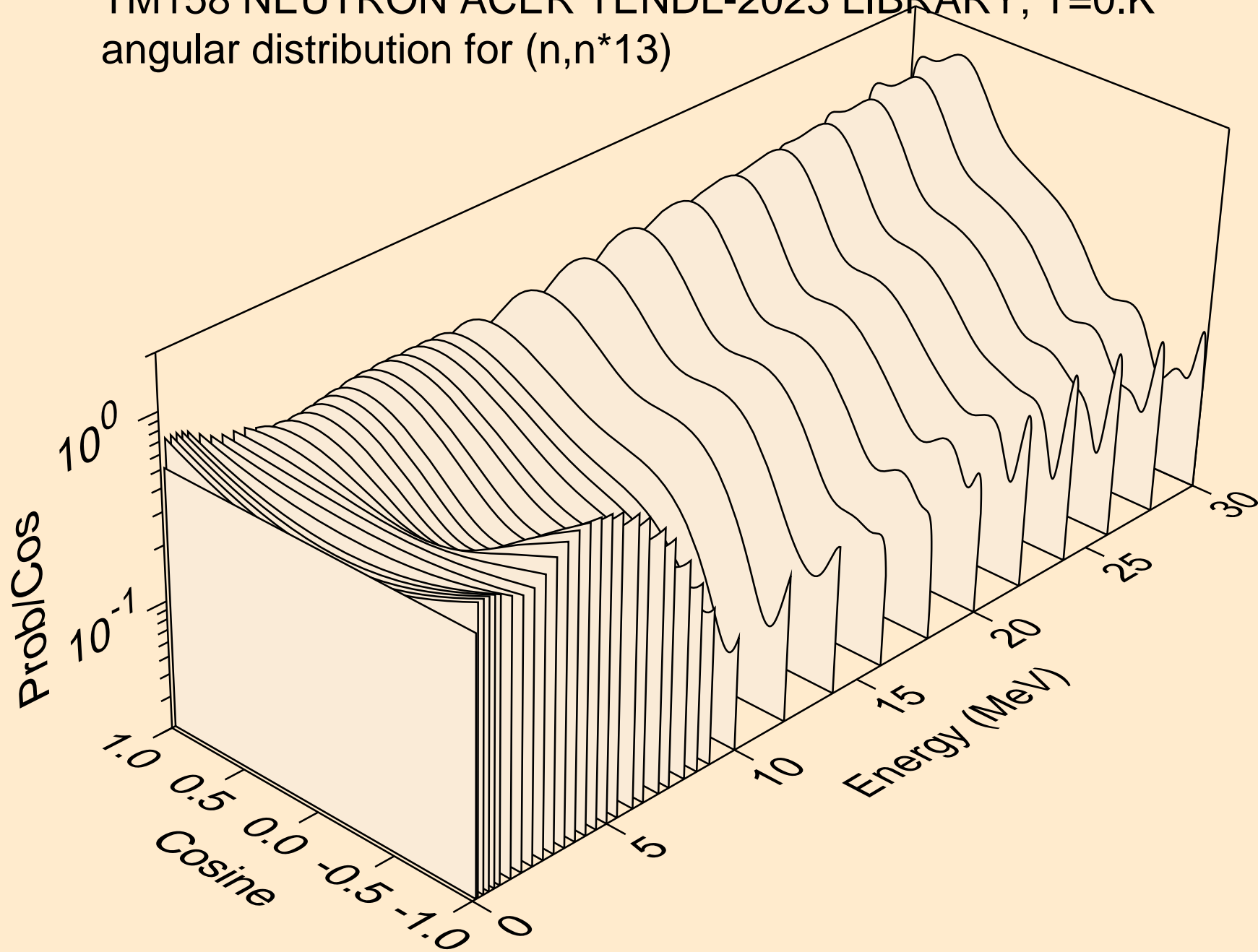
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



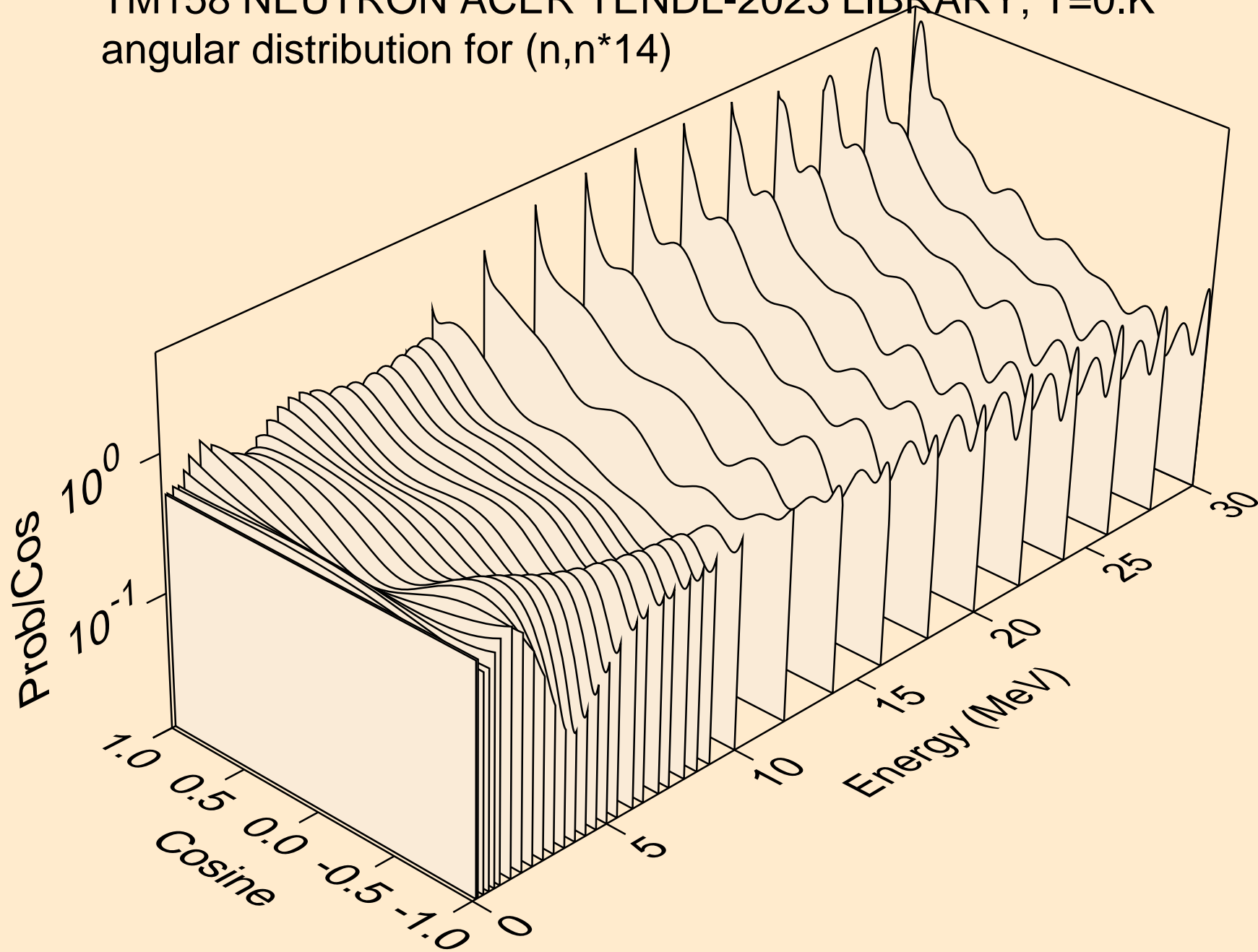
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



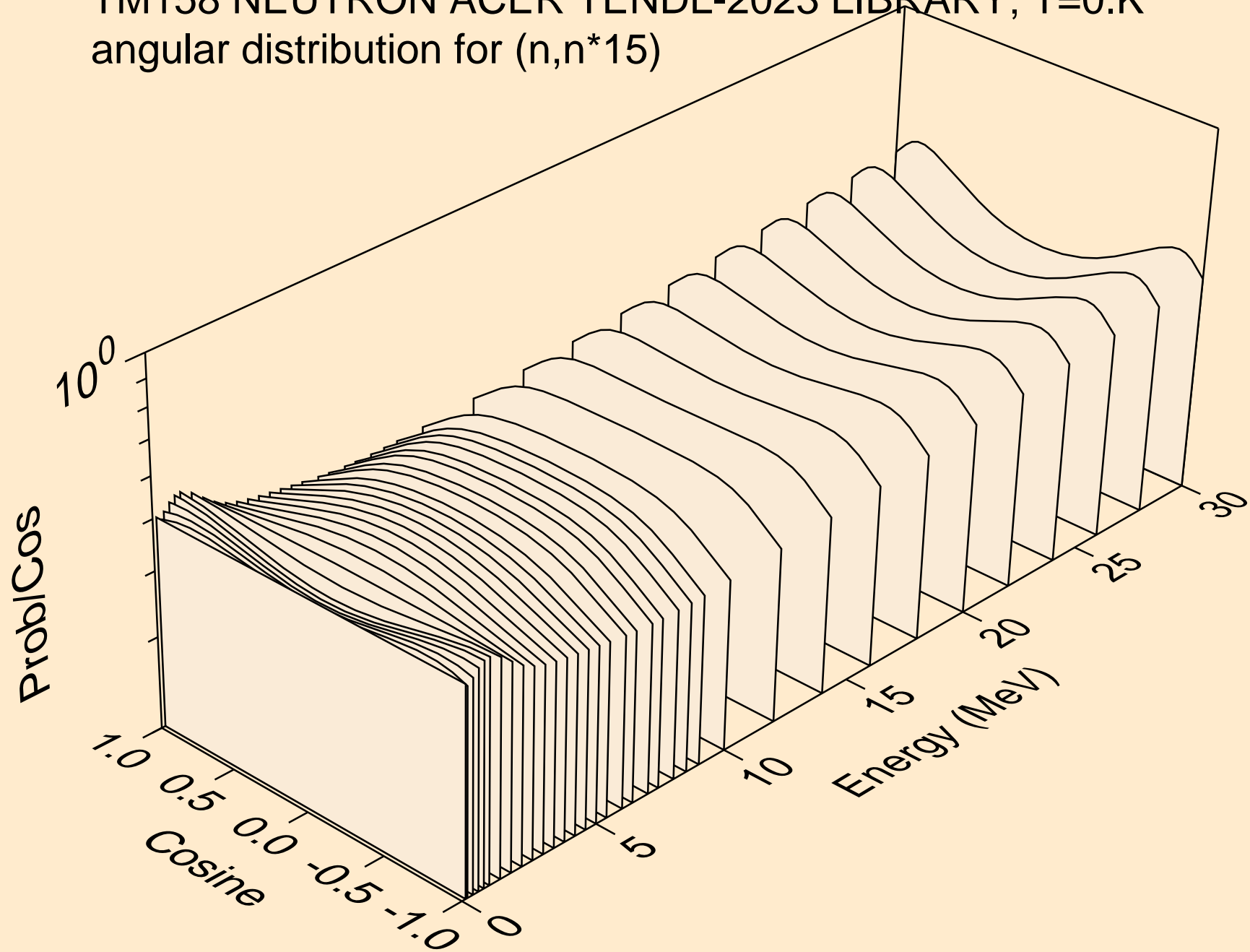
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*14)

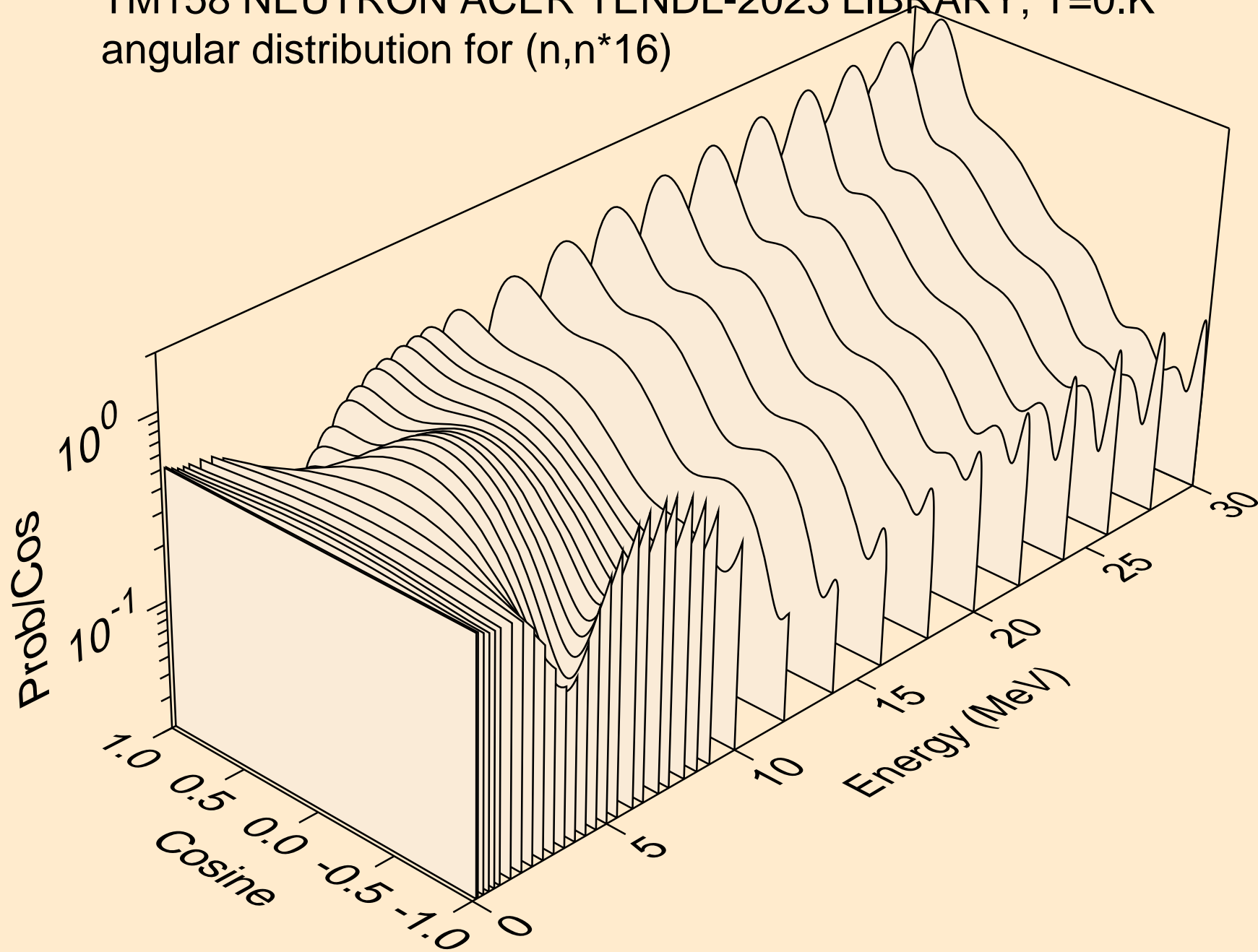


TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*15)

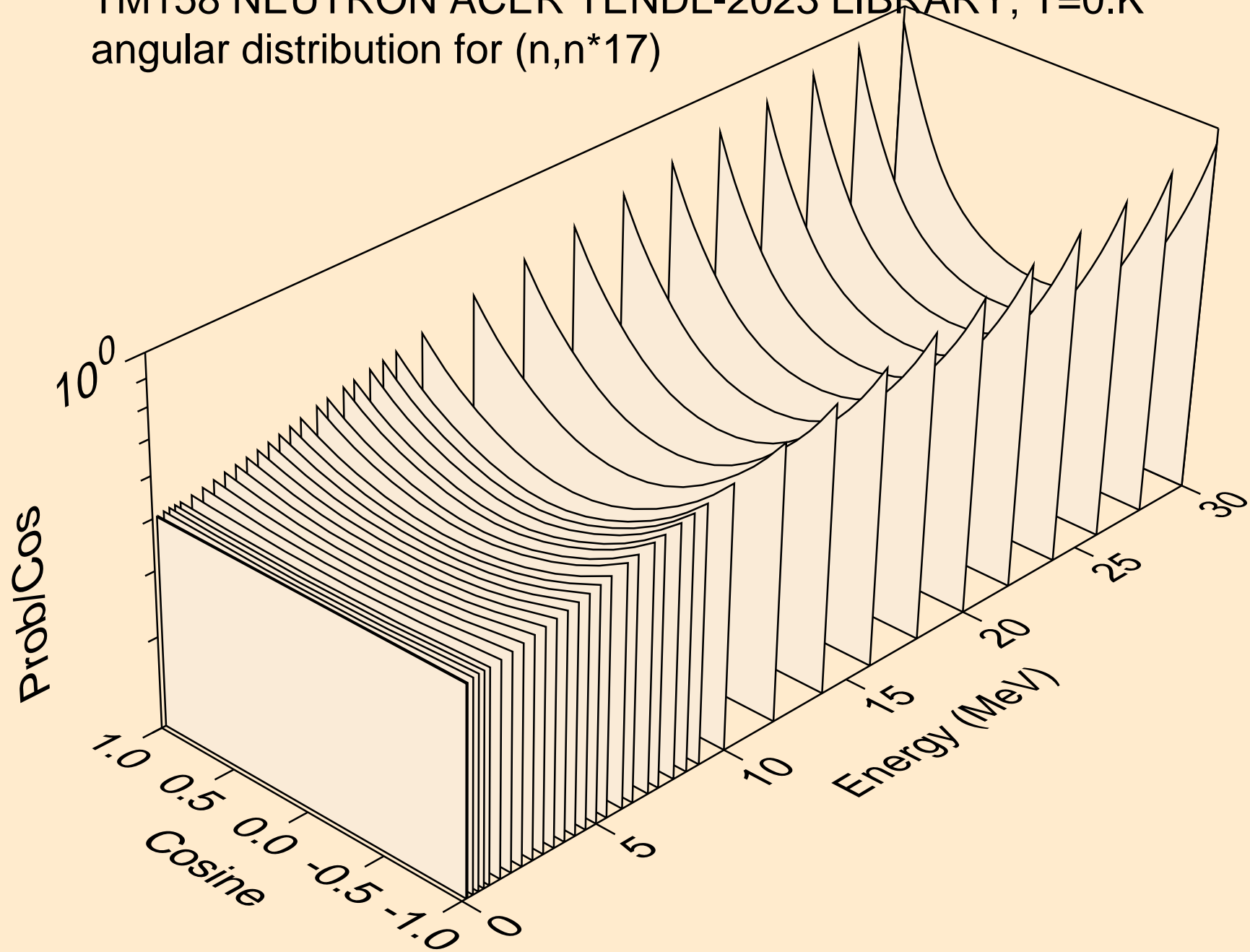




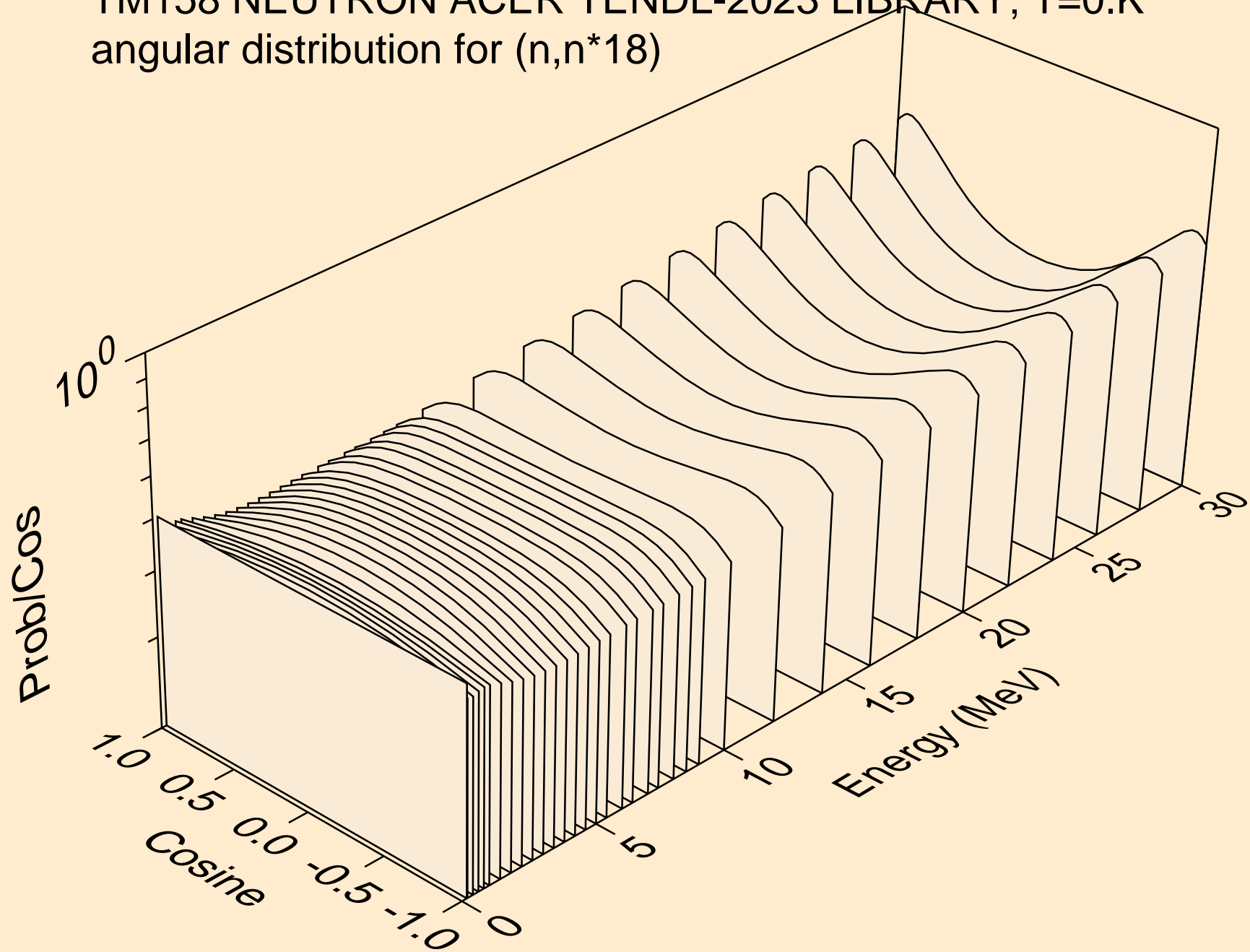
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



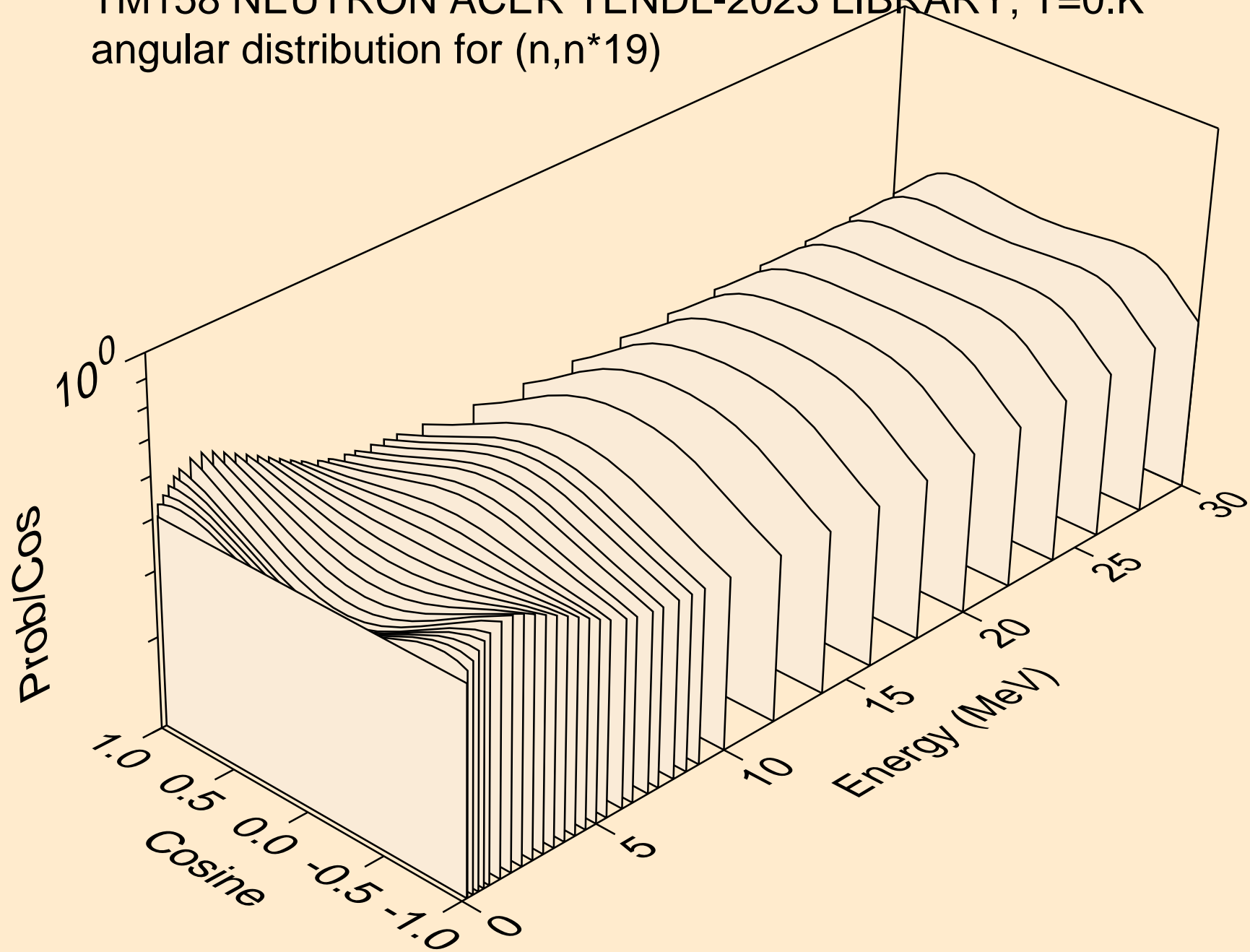
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*17)



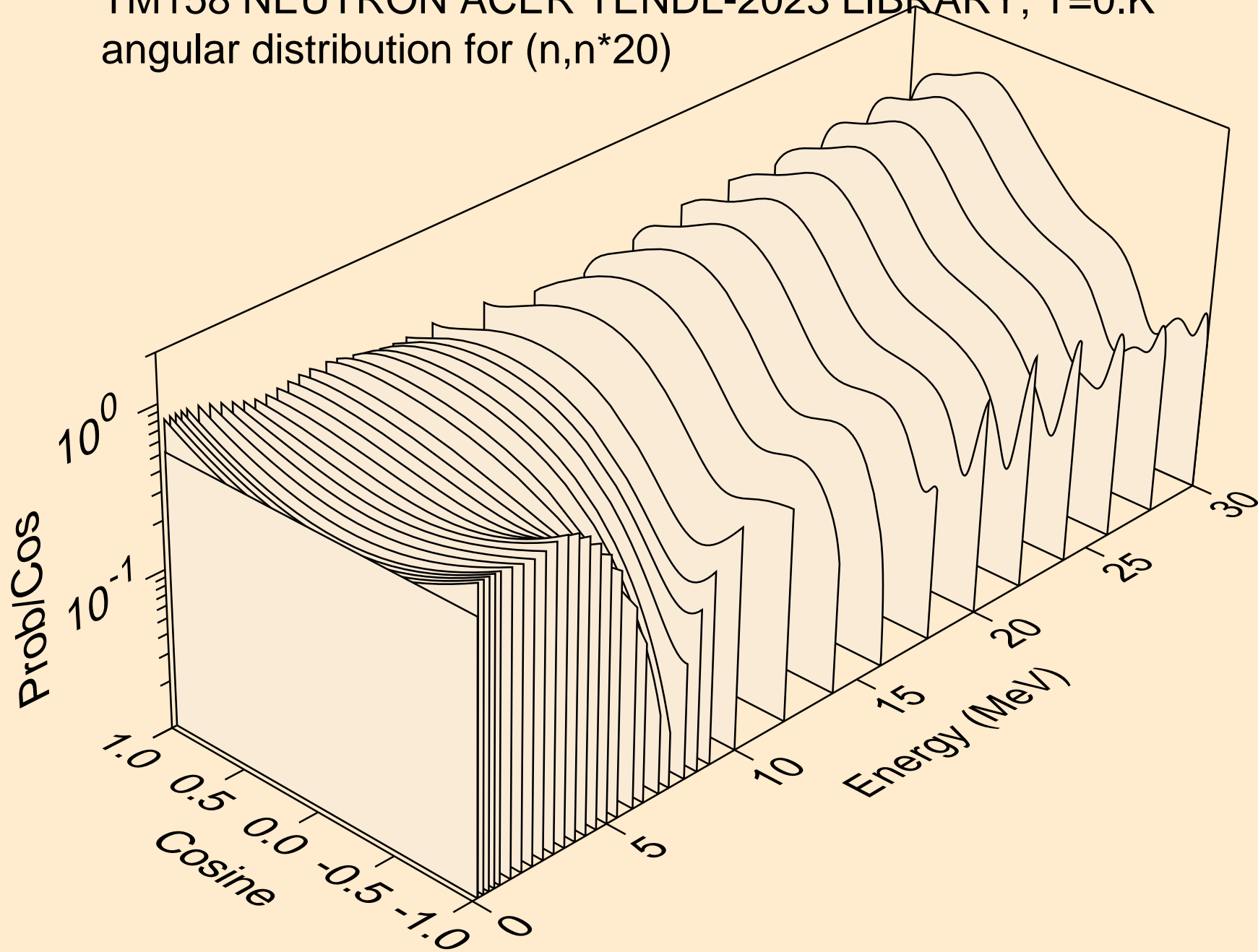
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



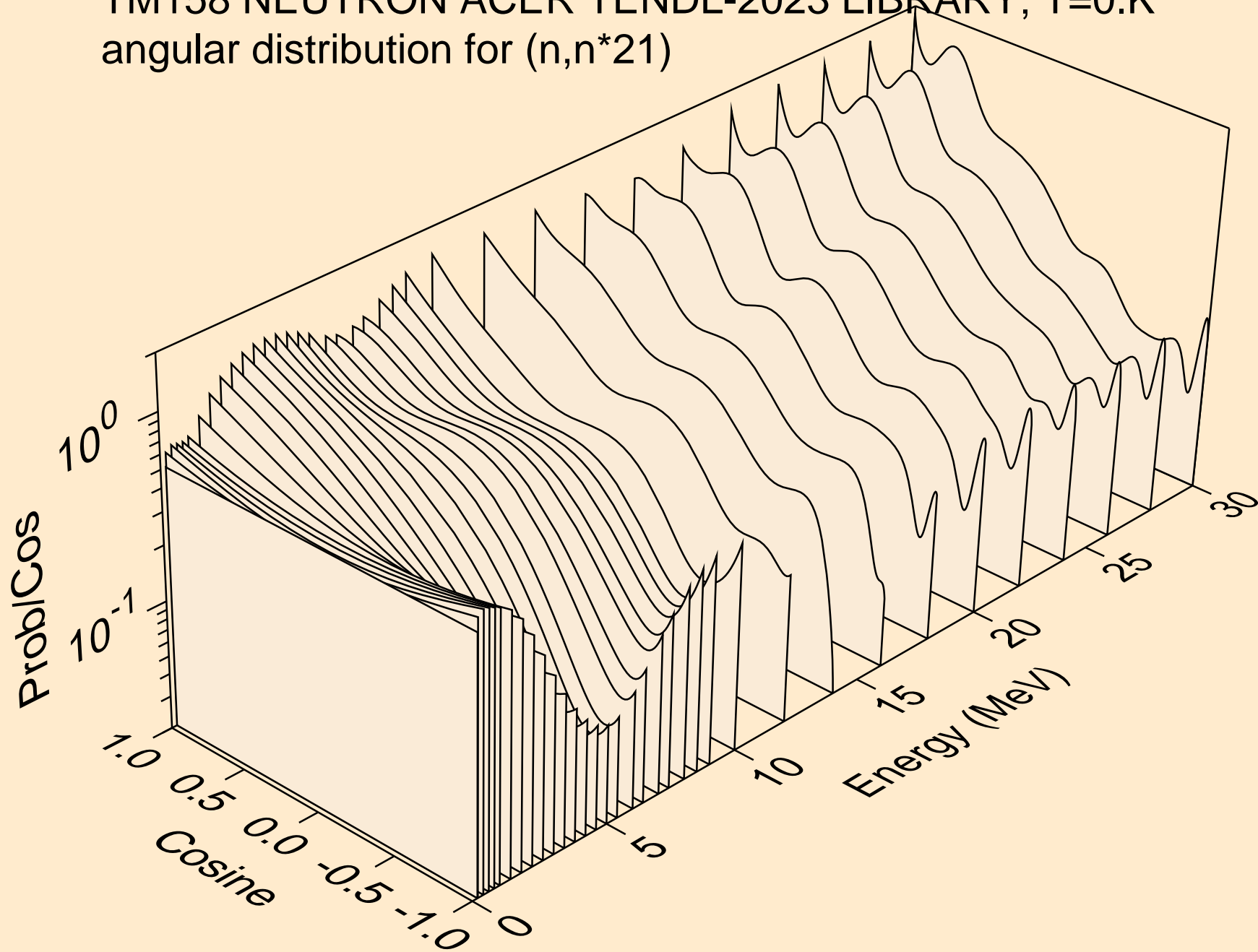
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



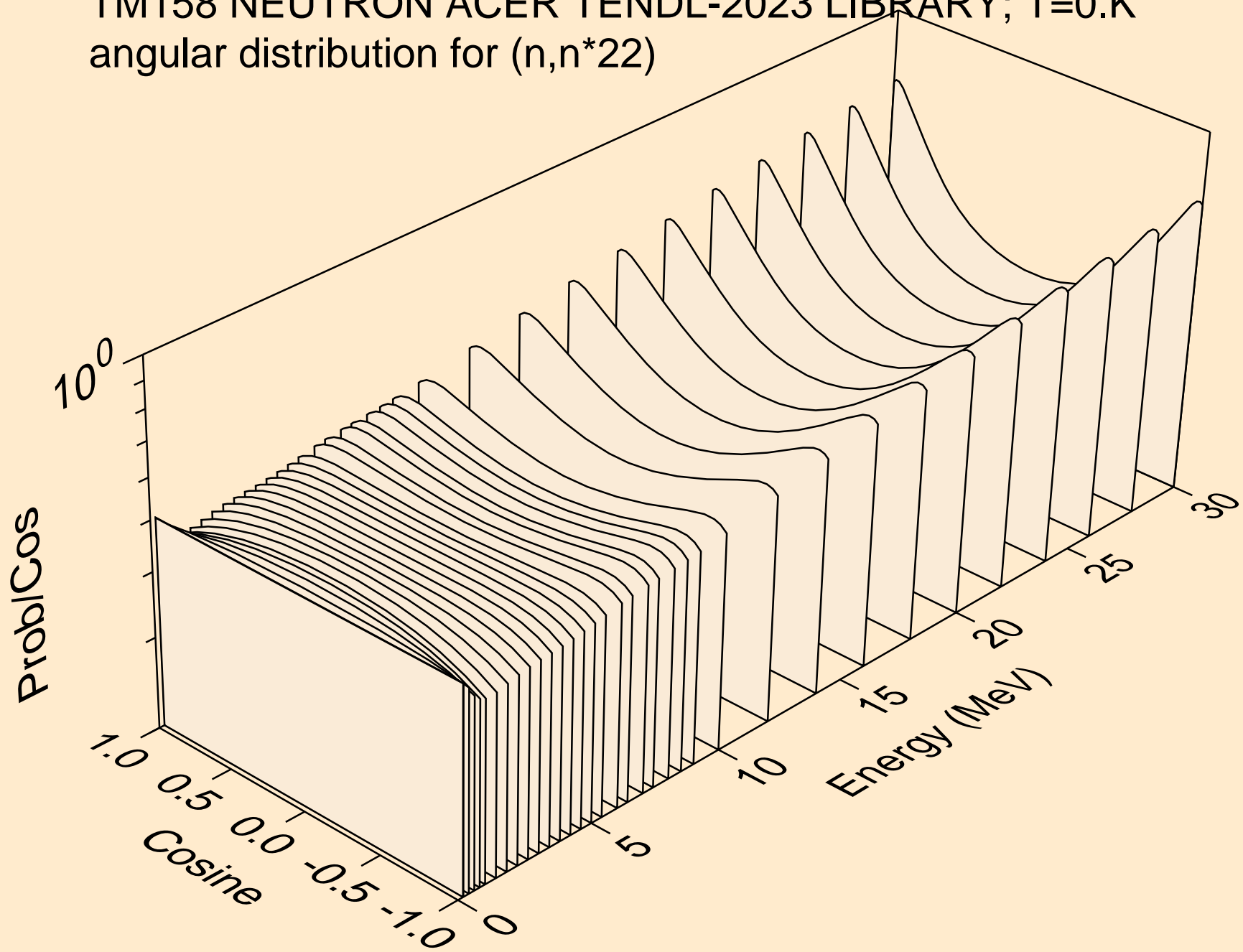
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*20)



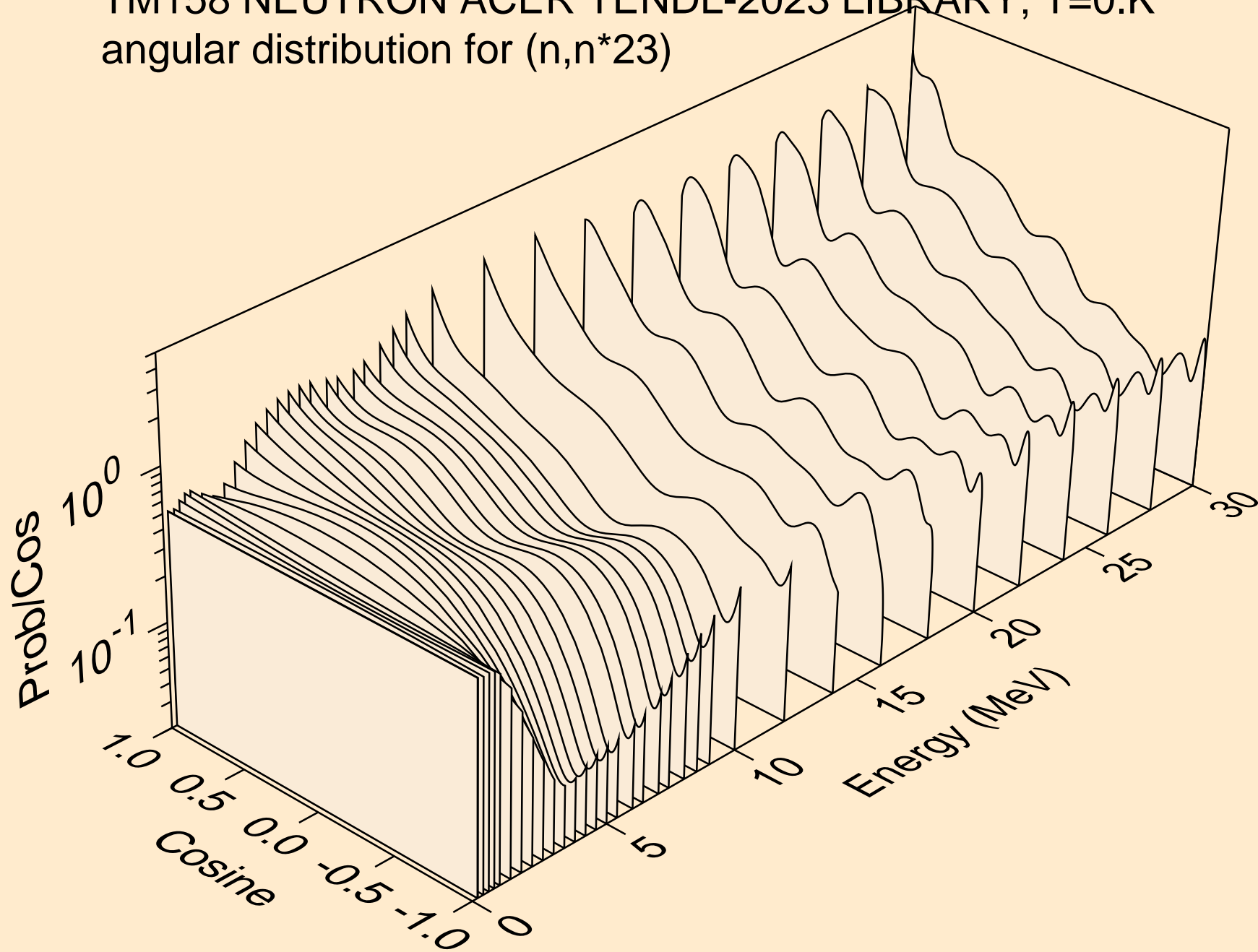
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*21)



TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*22)

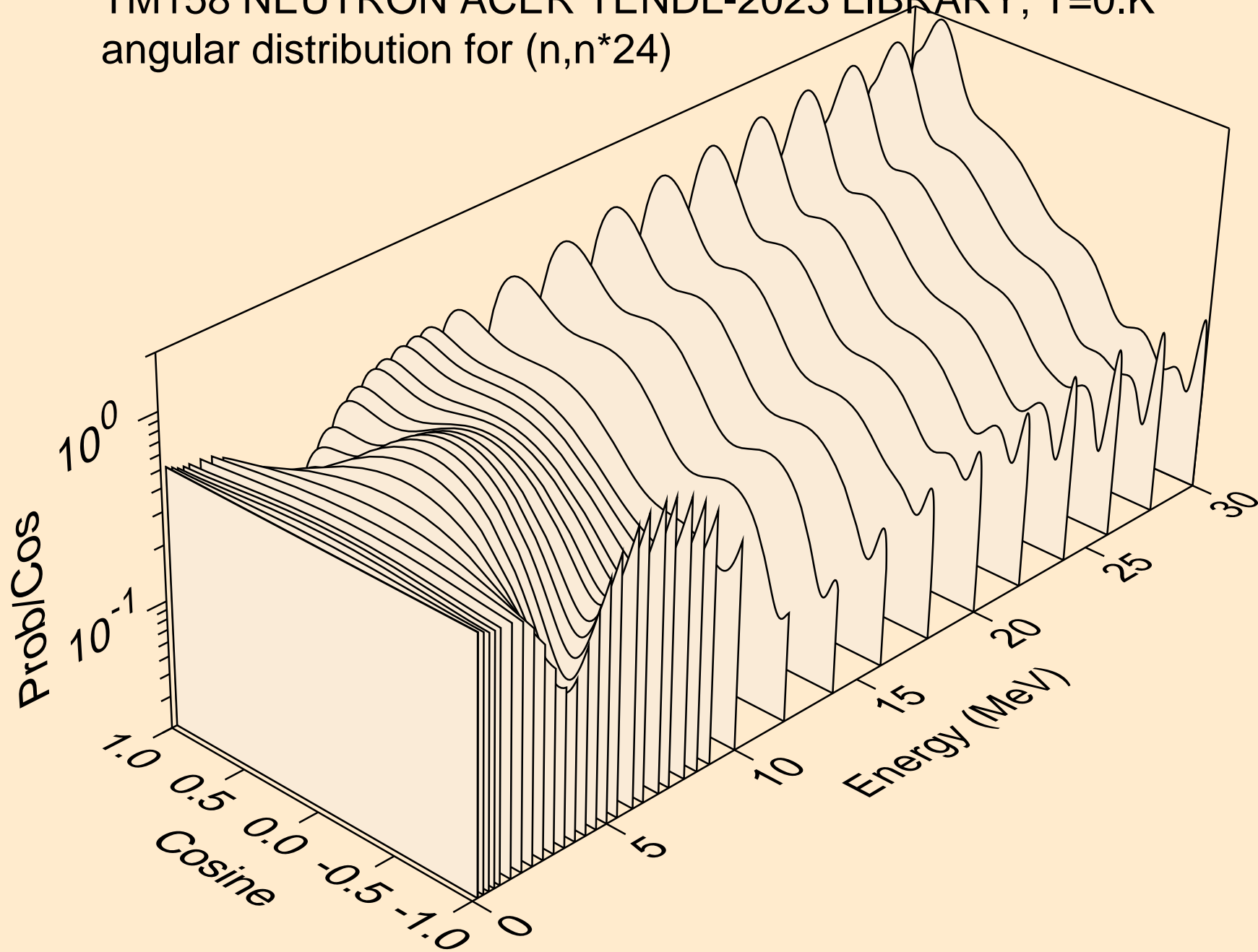


TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*23)

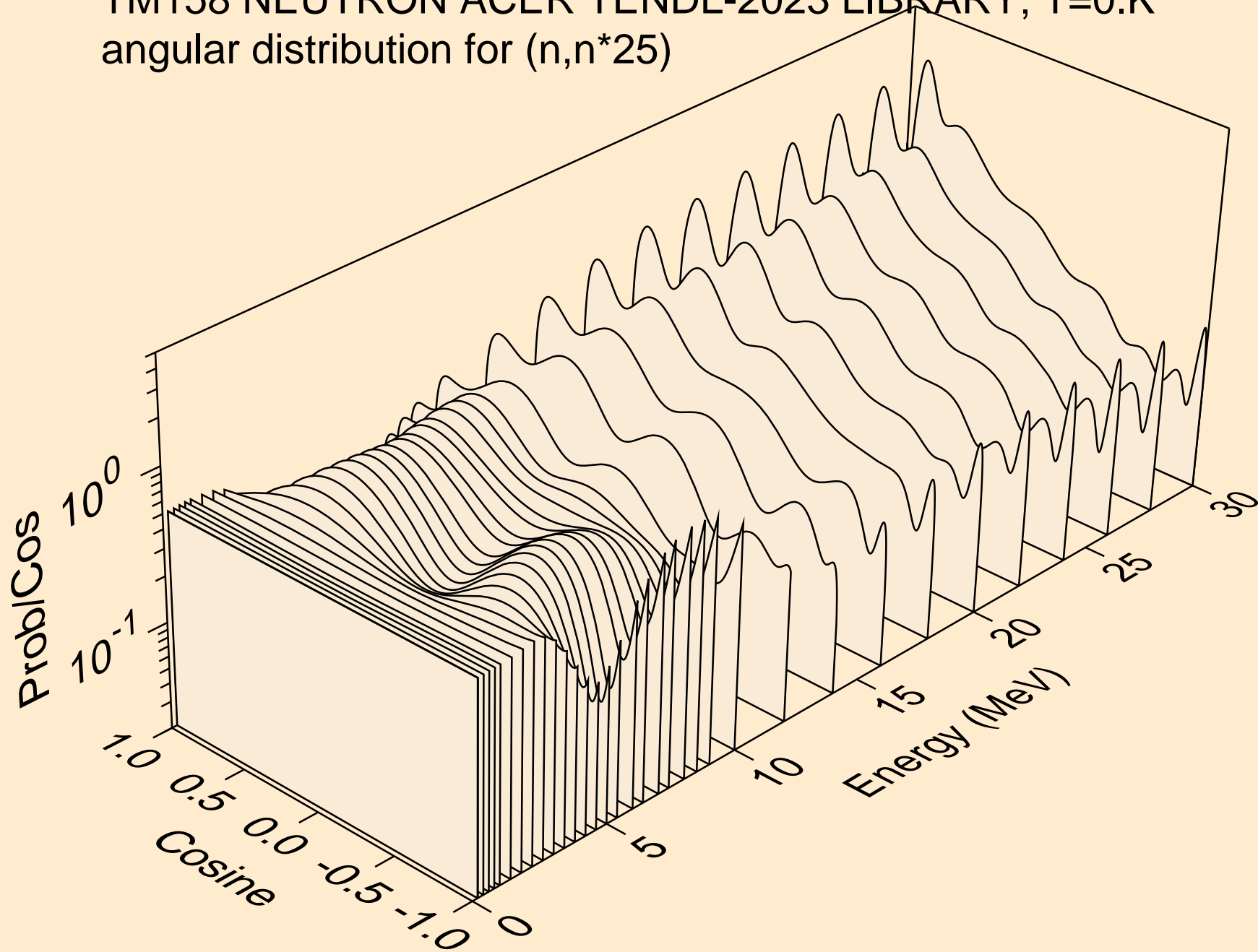




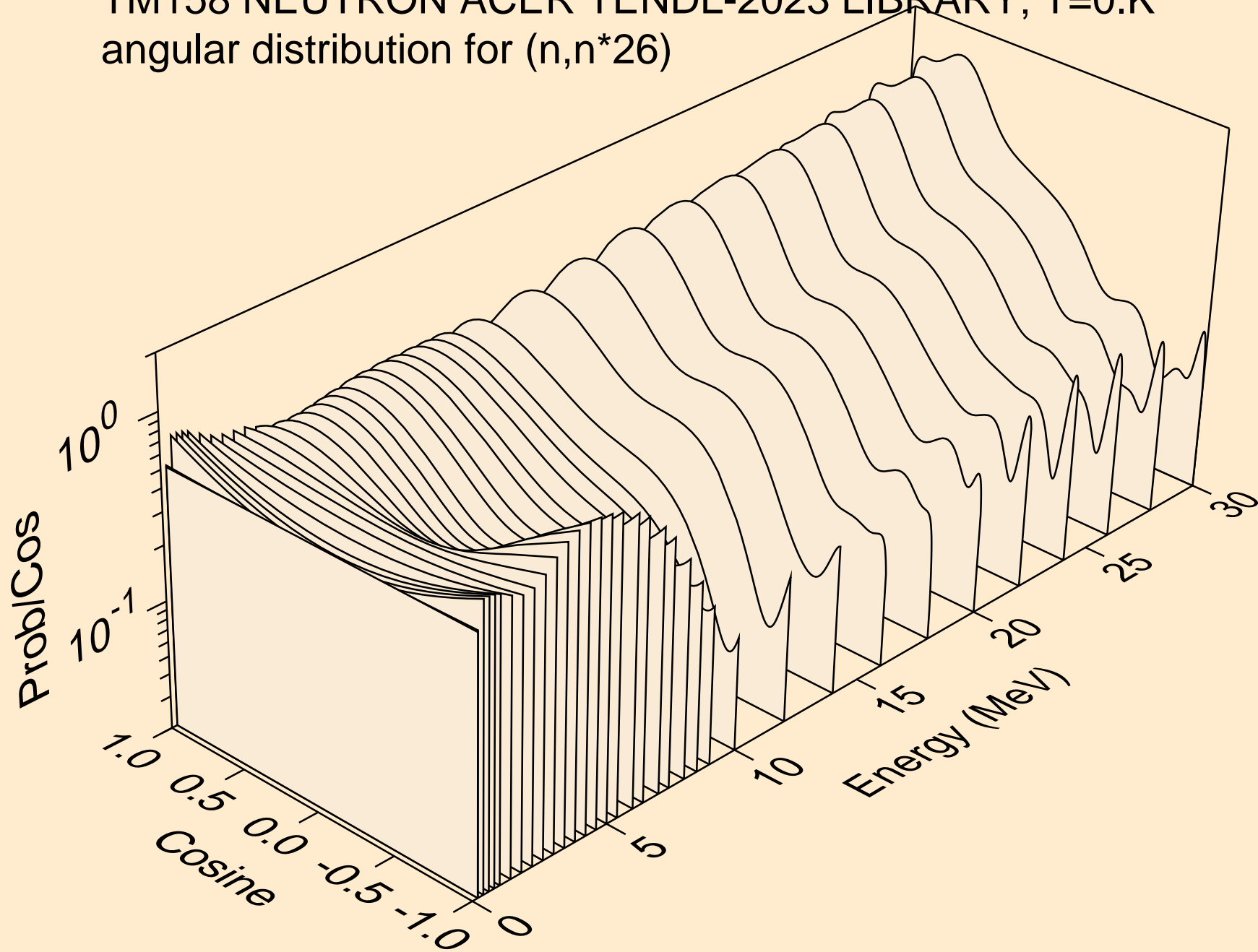
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*24)



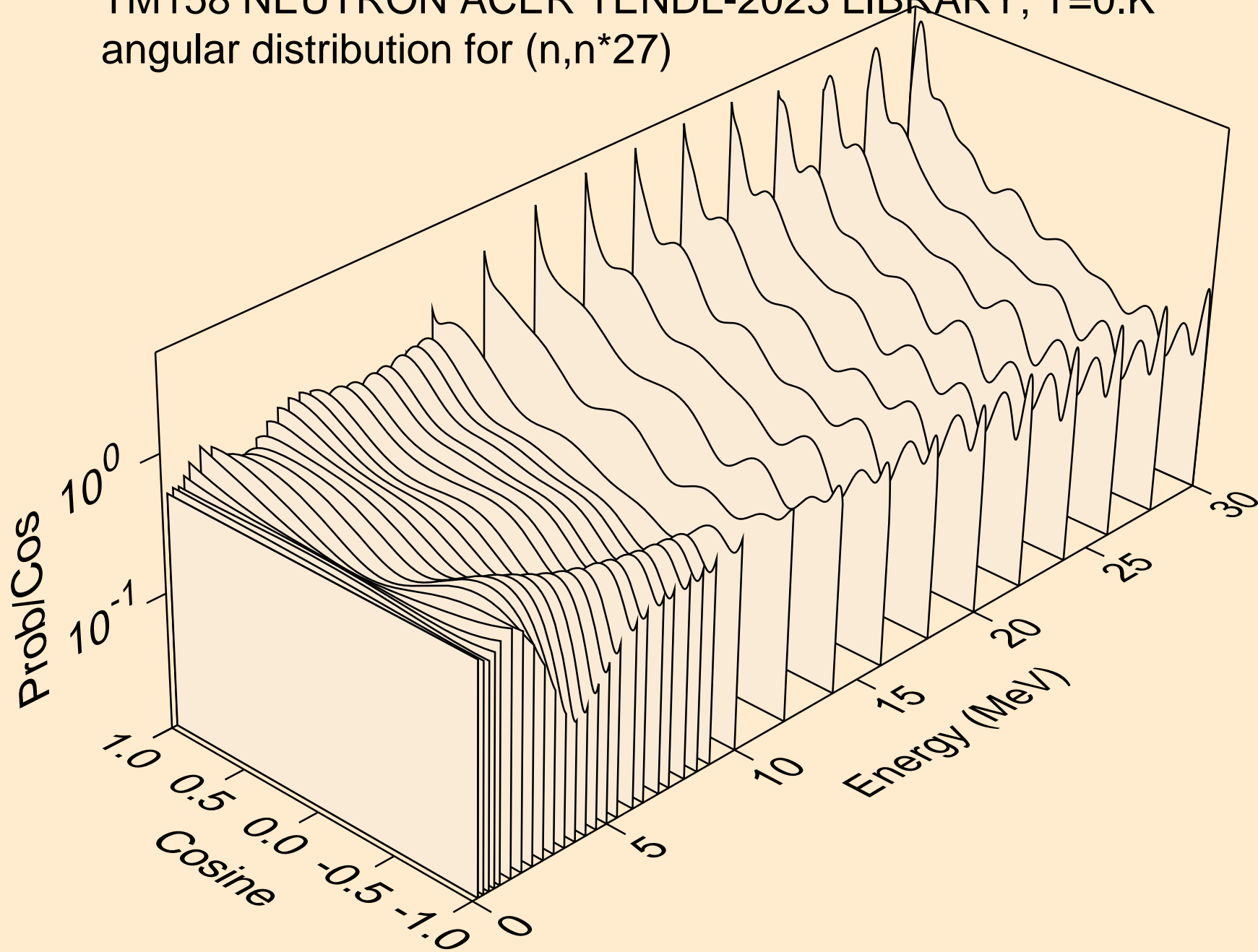
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*25)



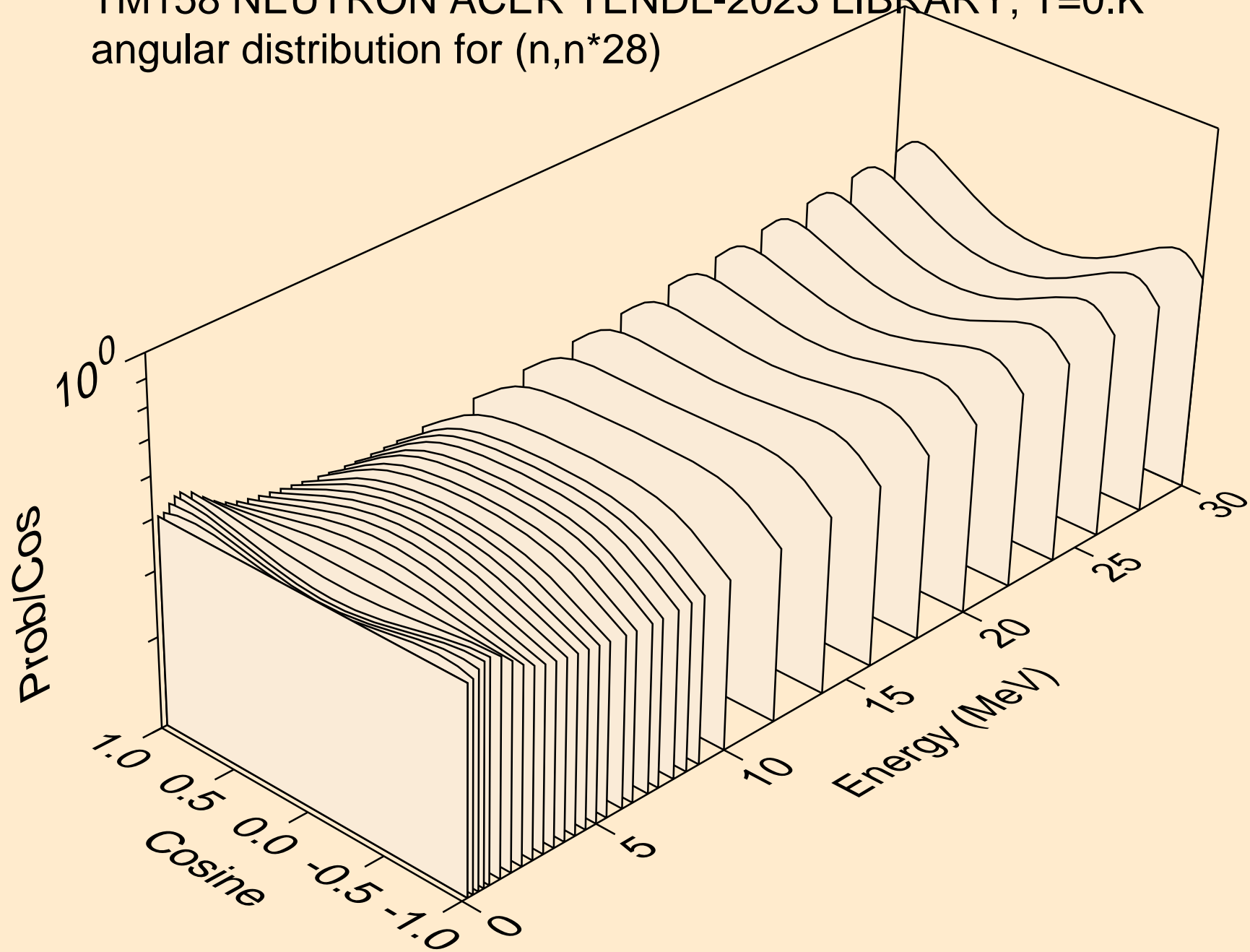
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



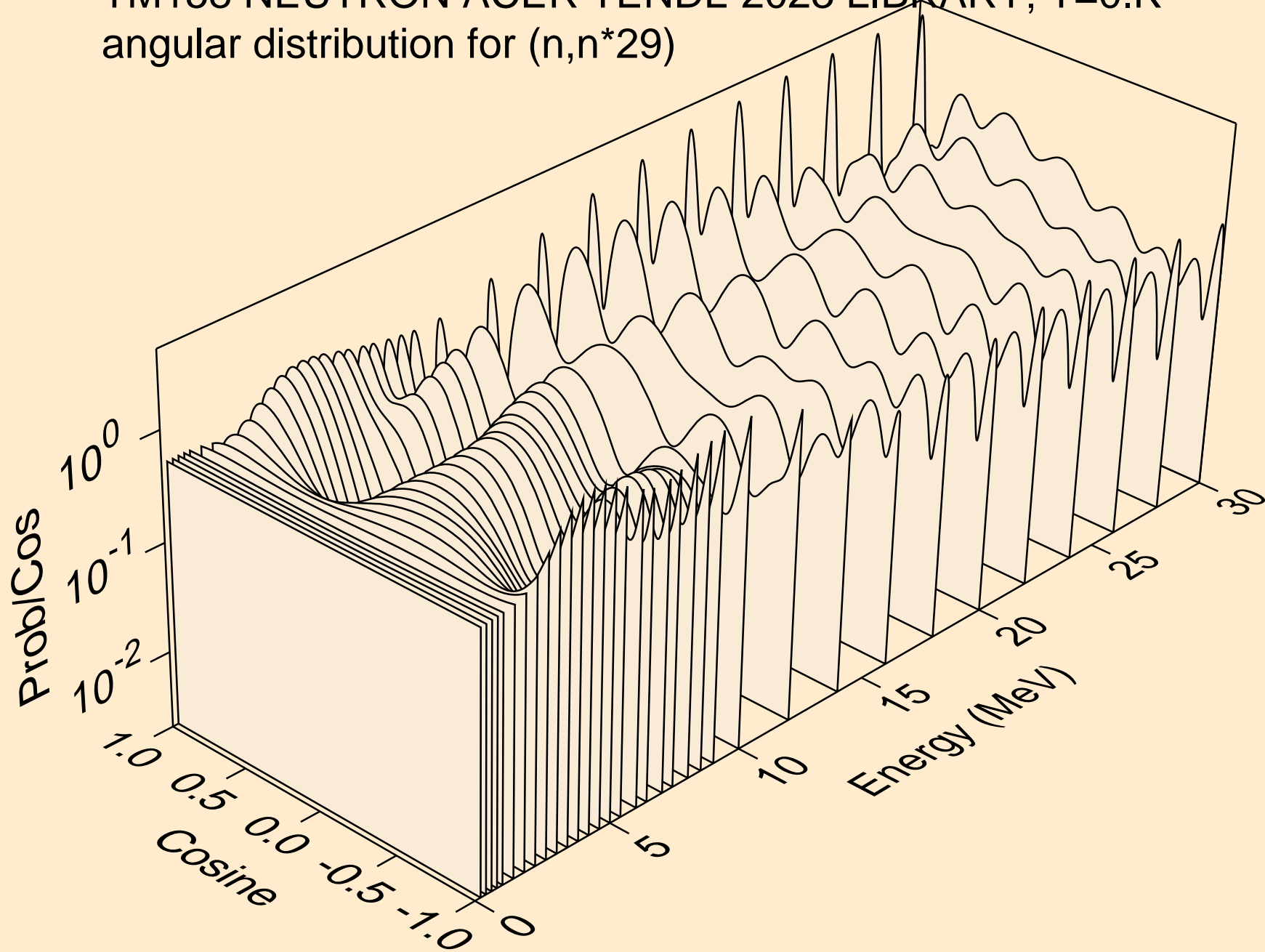
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



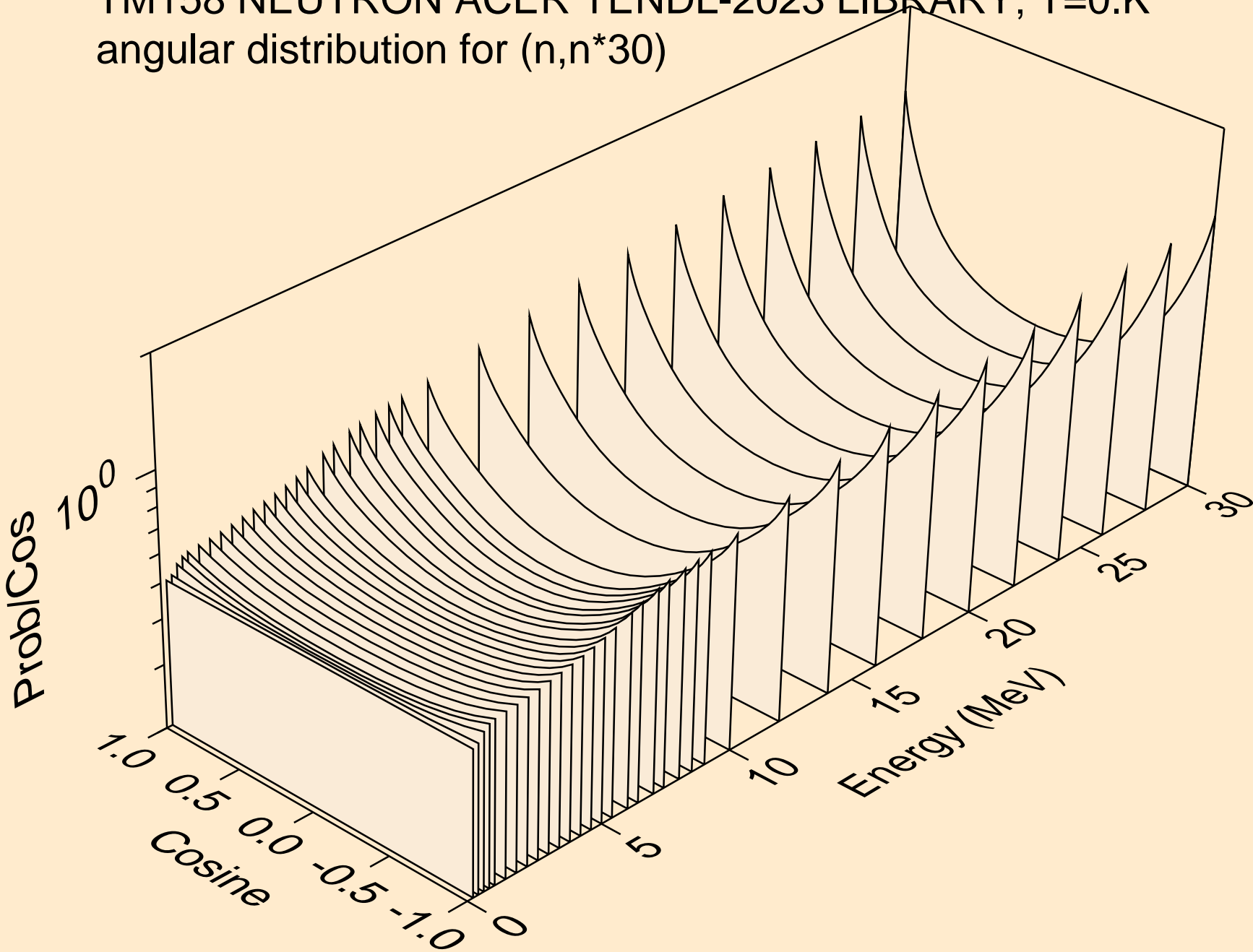
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*28)



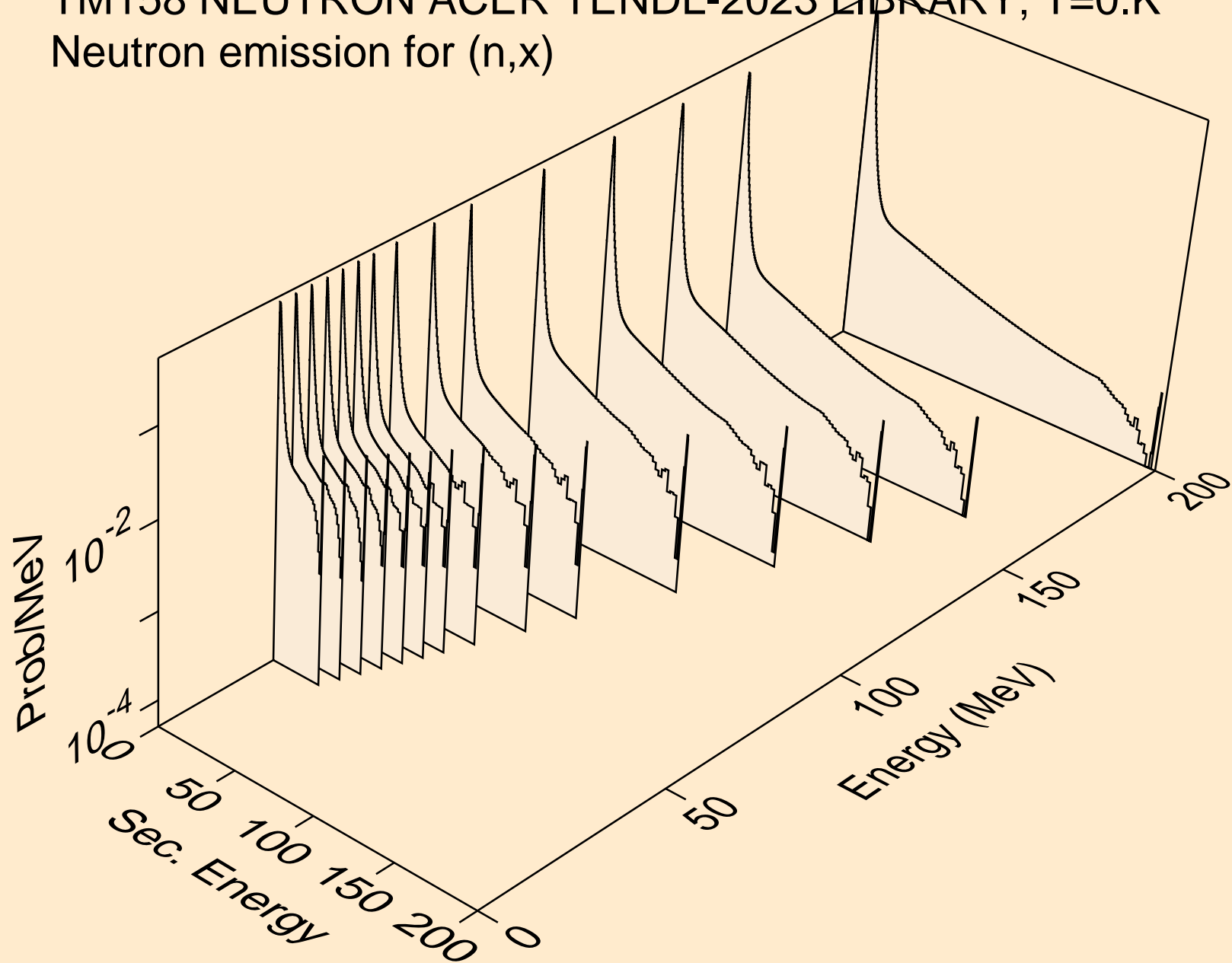
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*29)



TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*30)

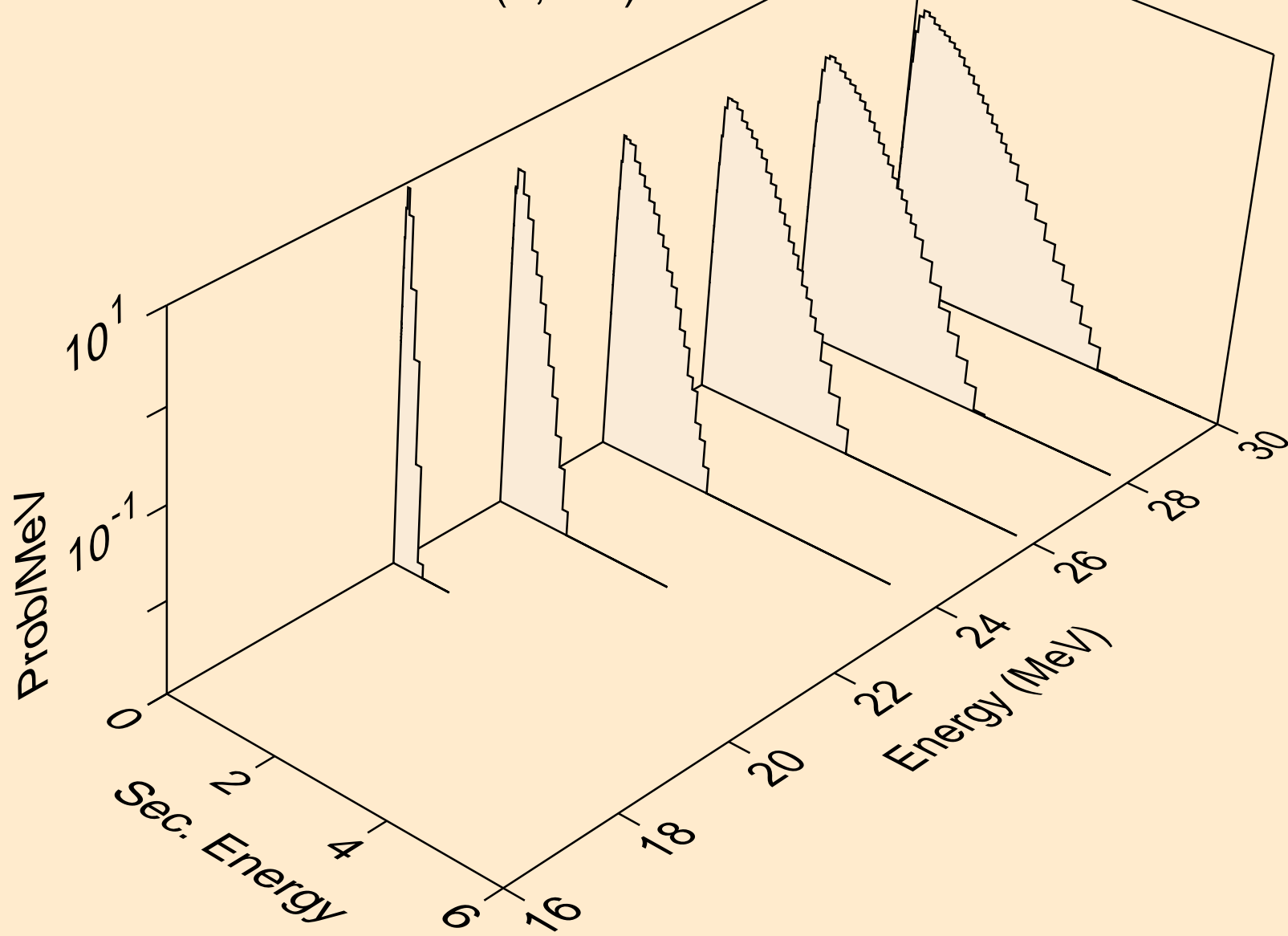


TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)

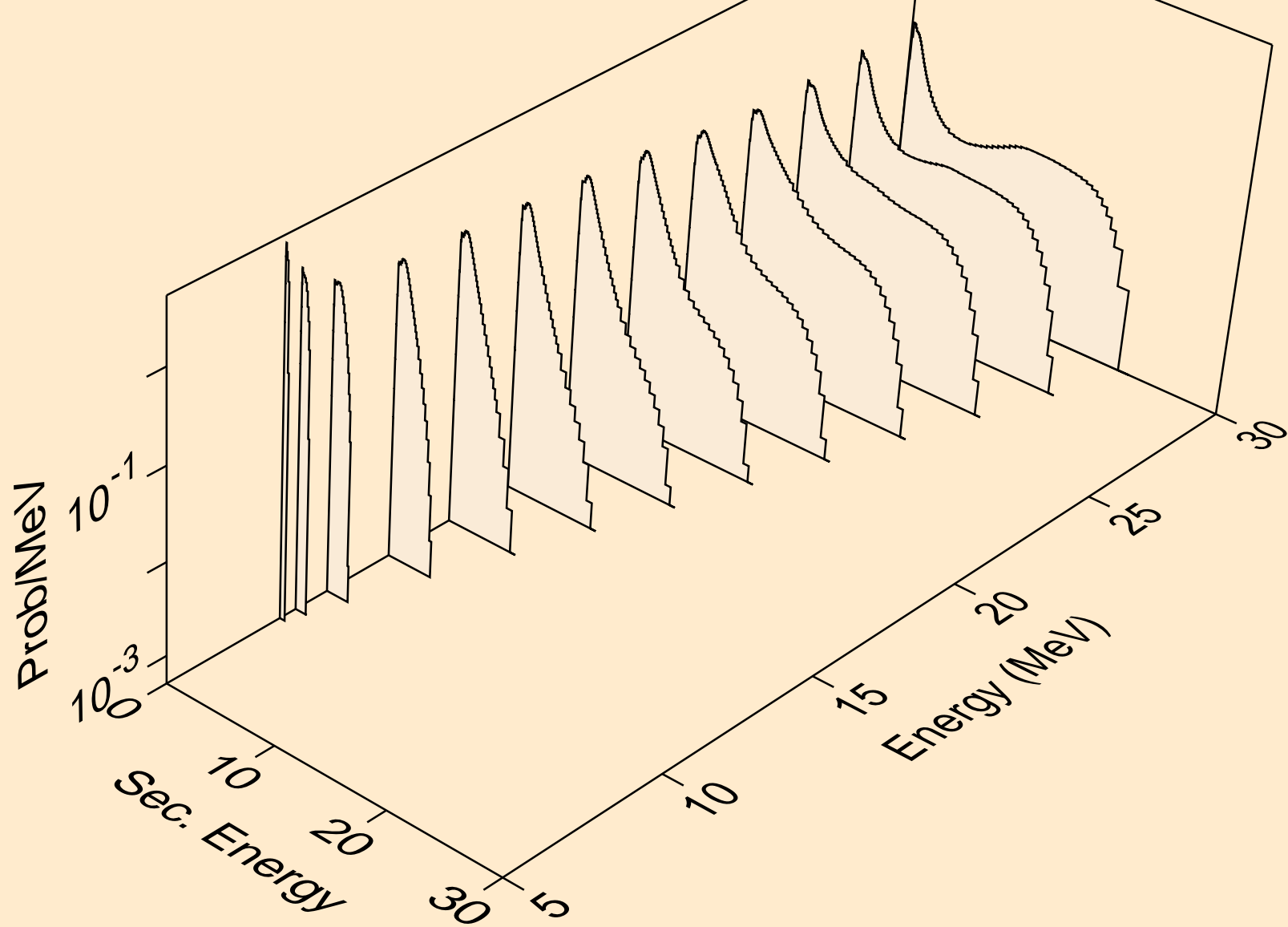




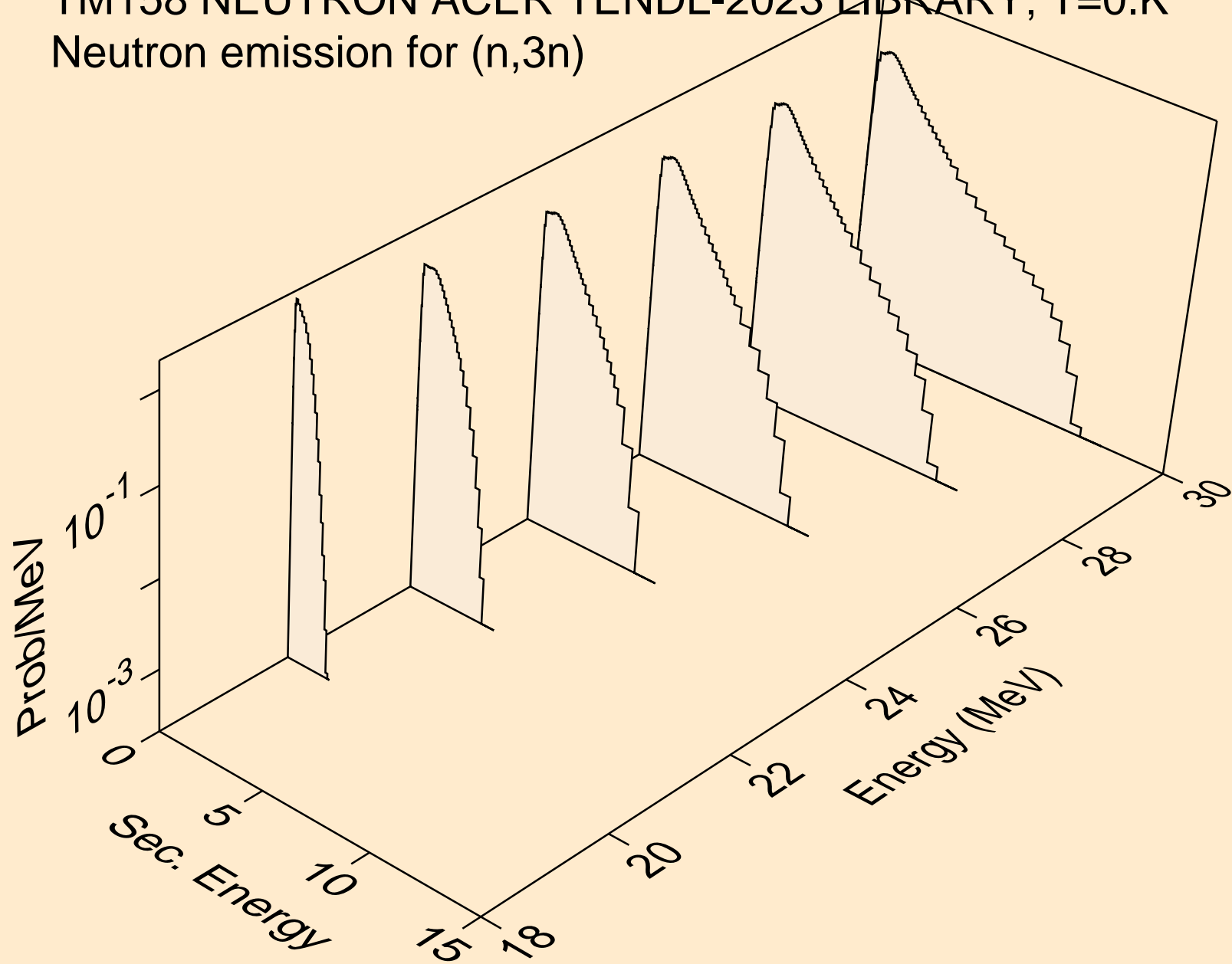
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



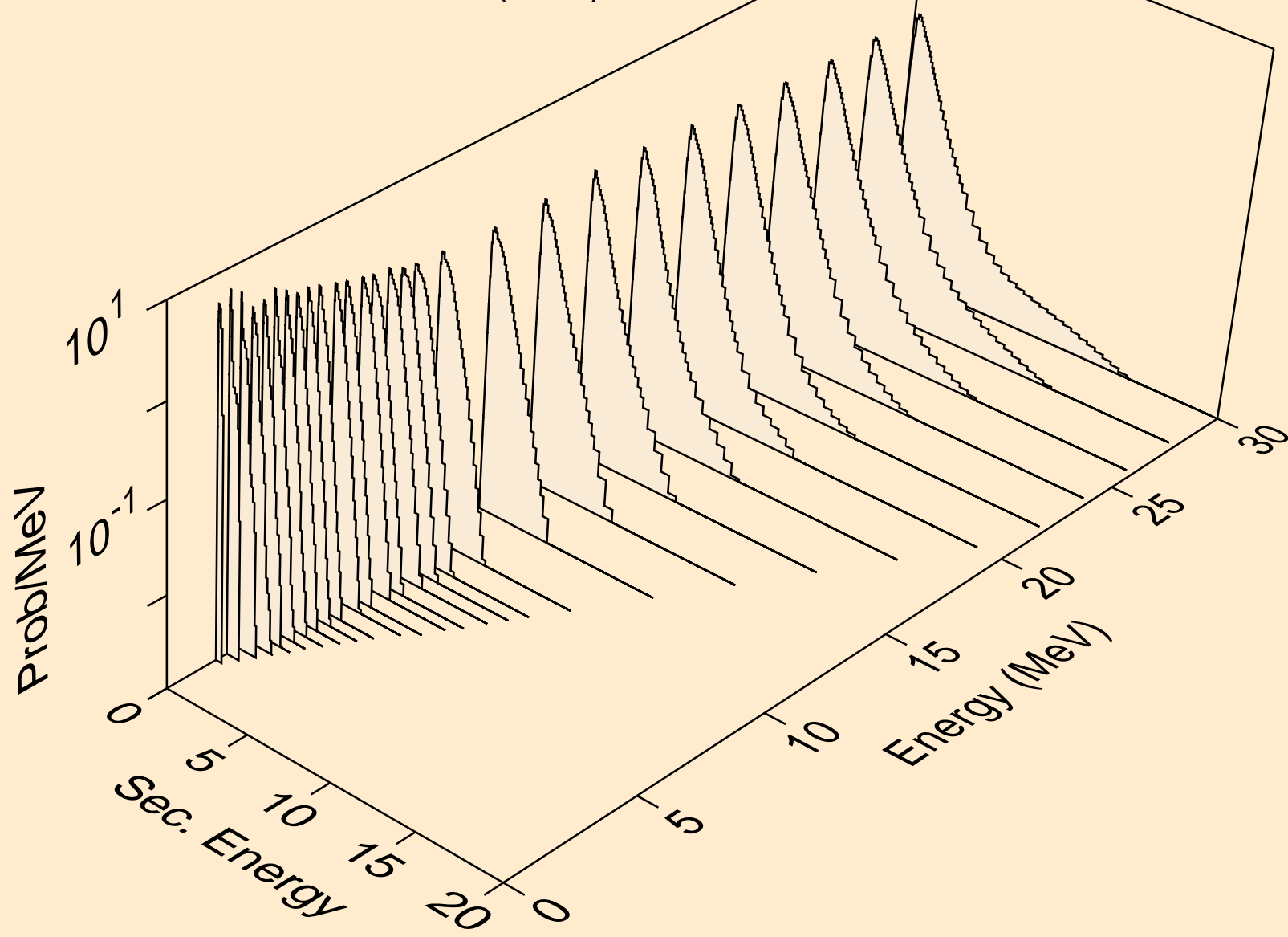
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



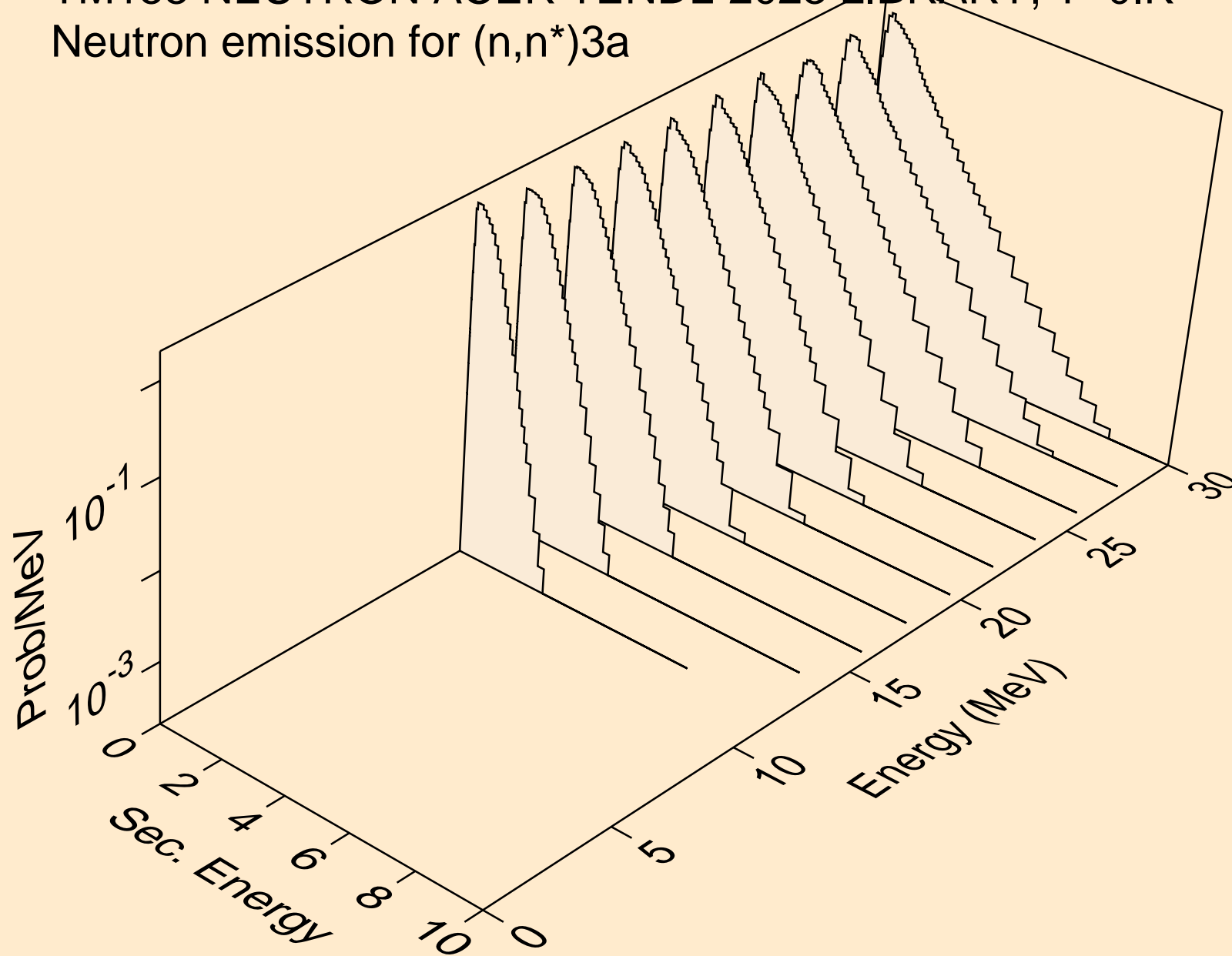
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



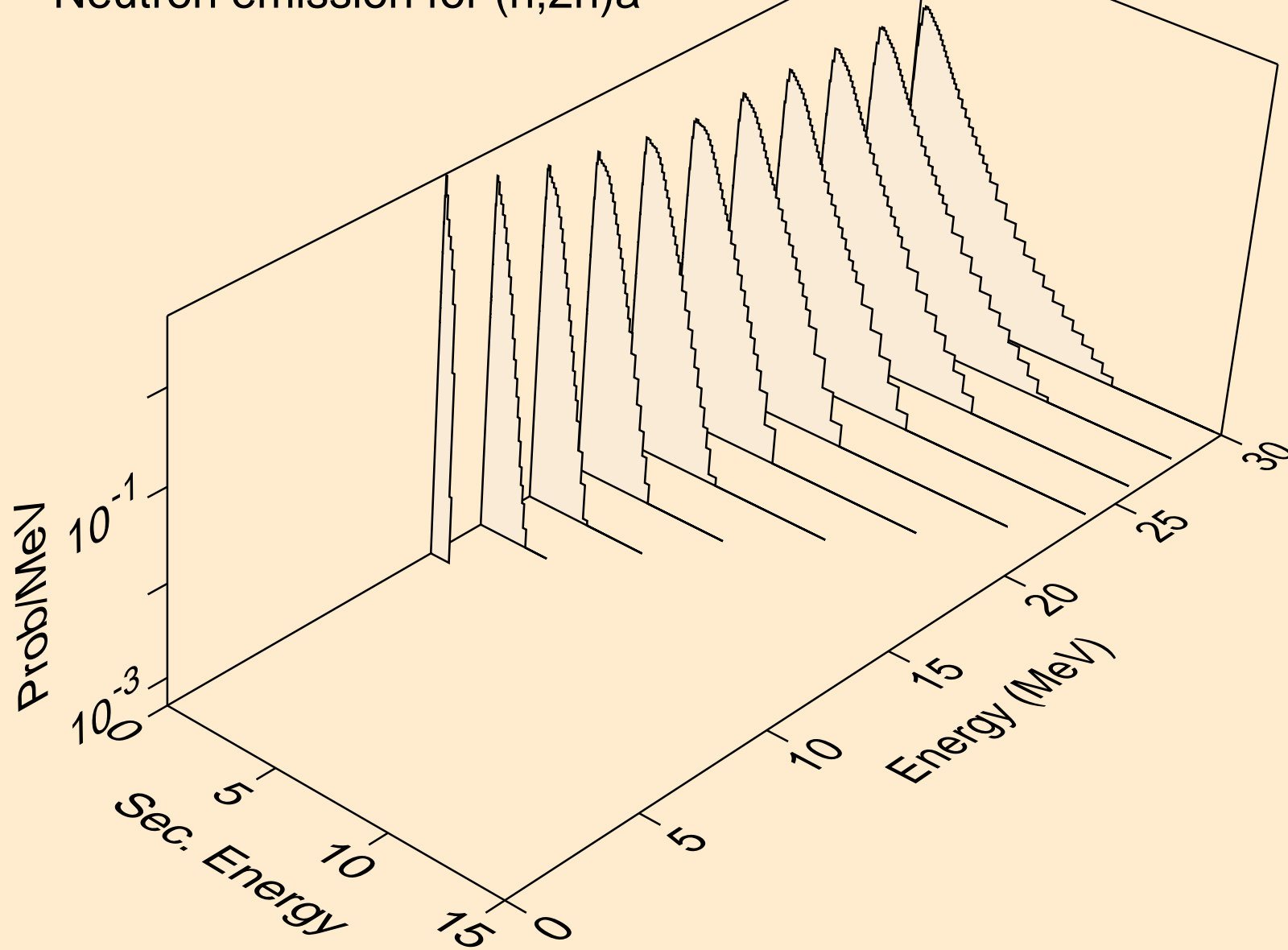
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



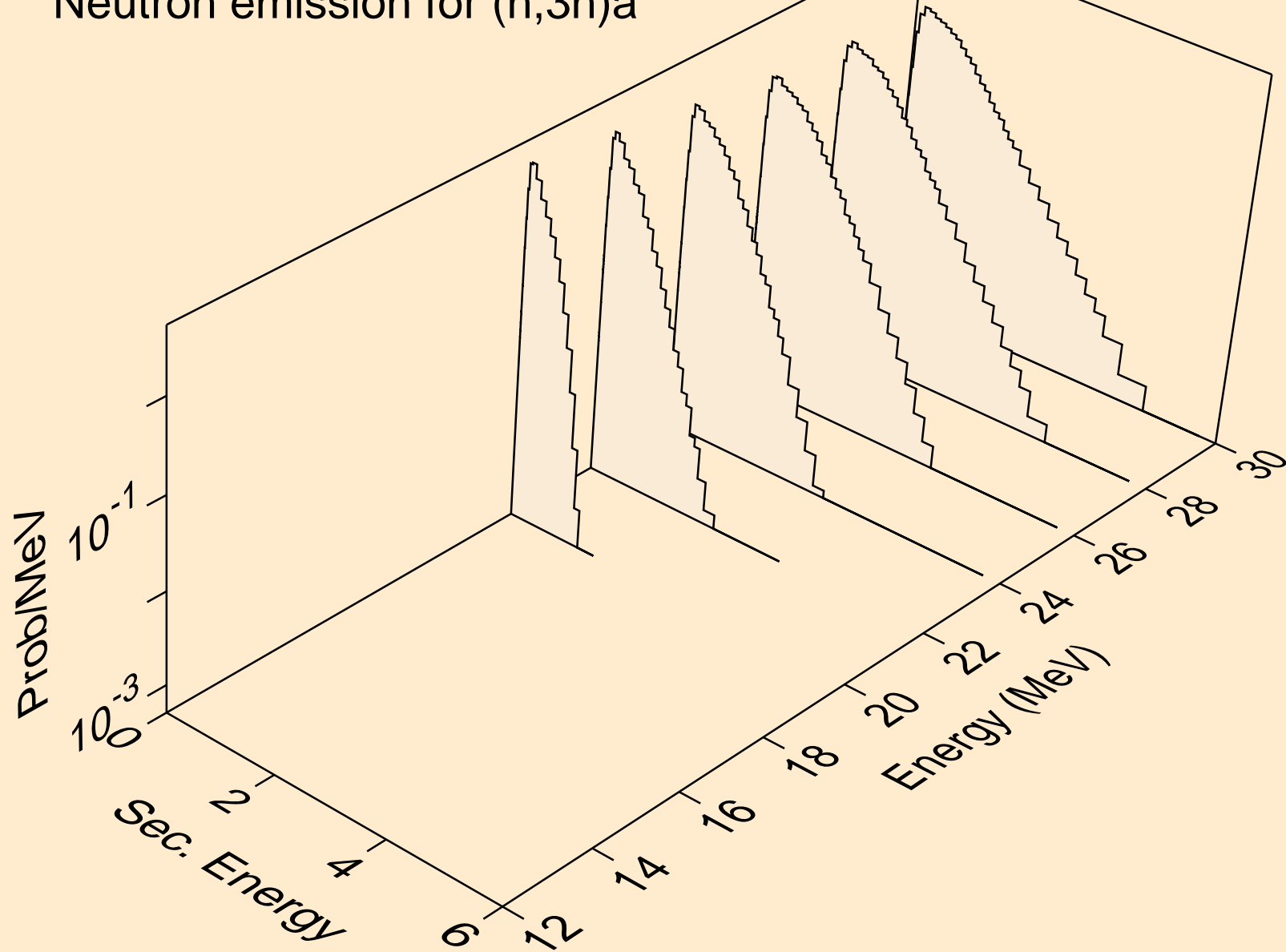
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)3a



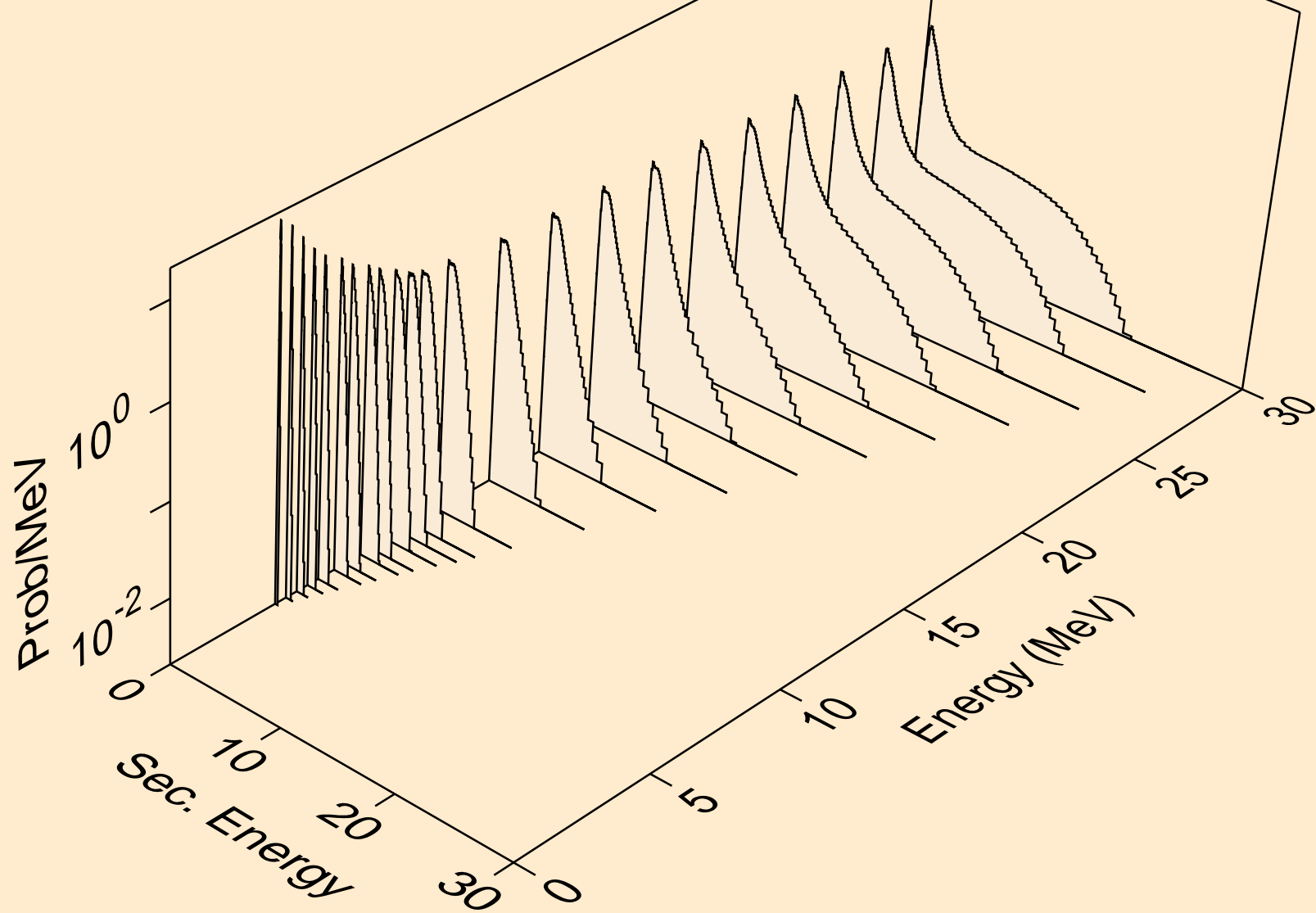
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a

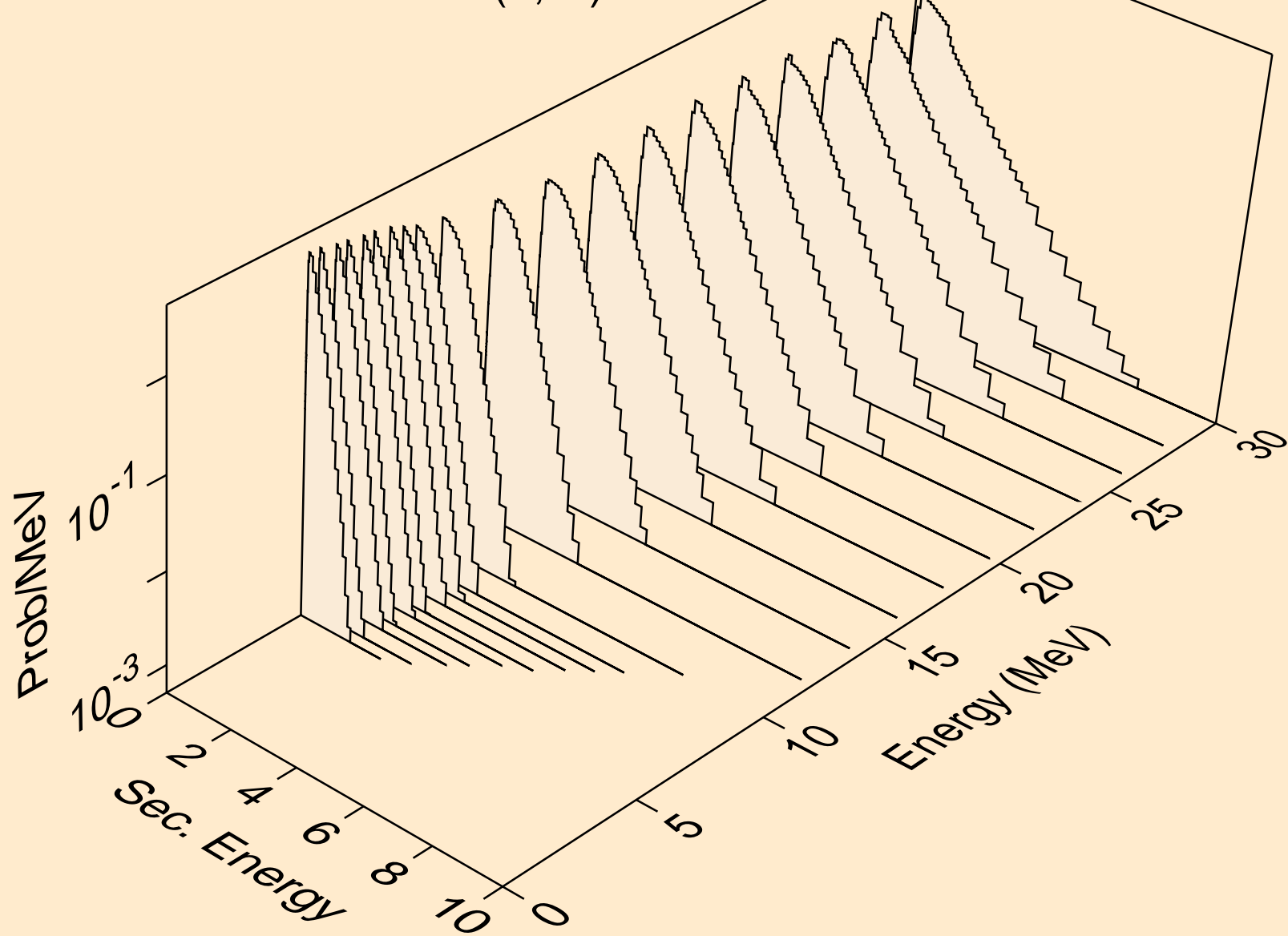


TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p

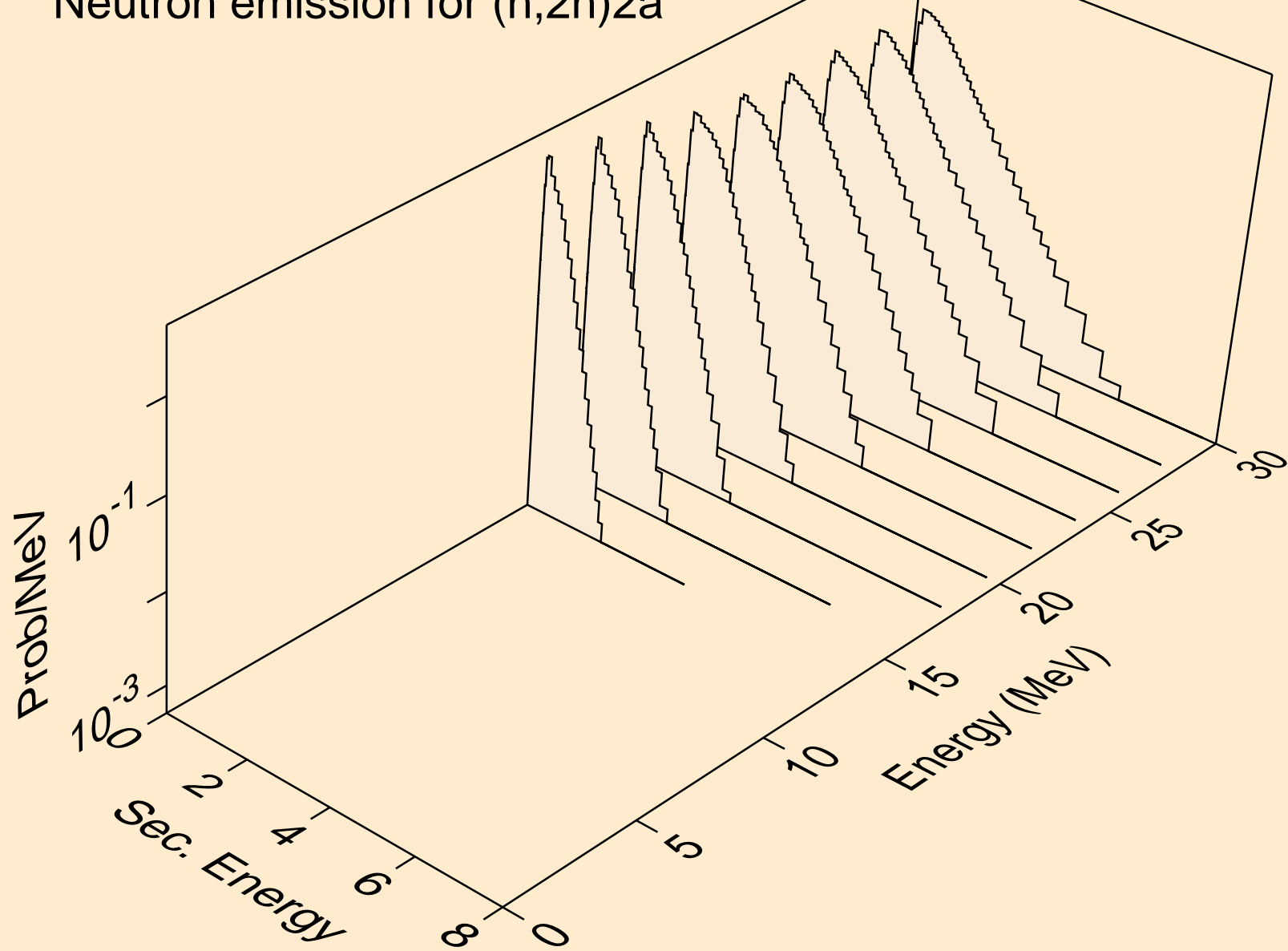




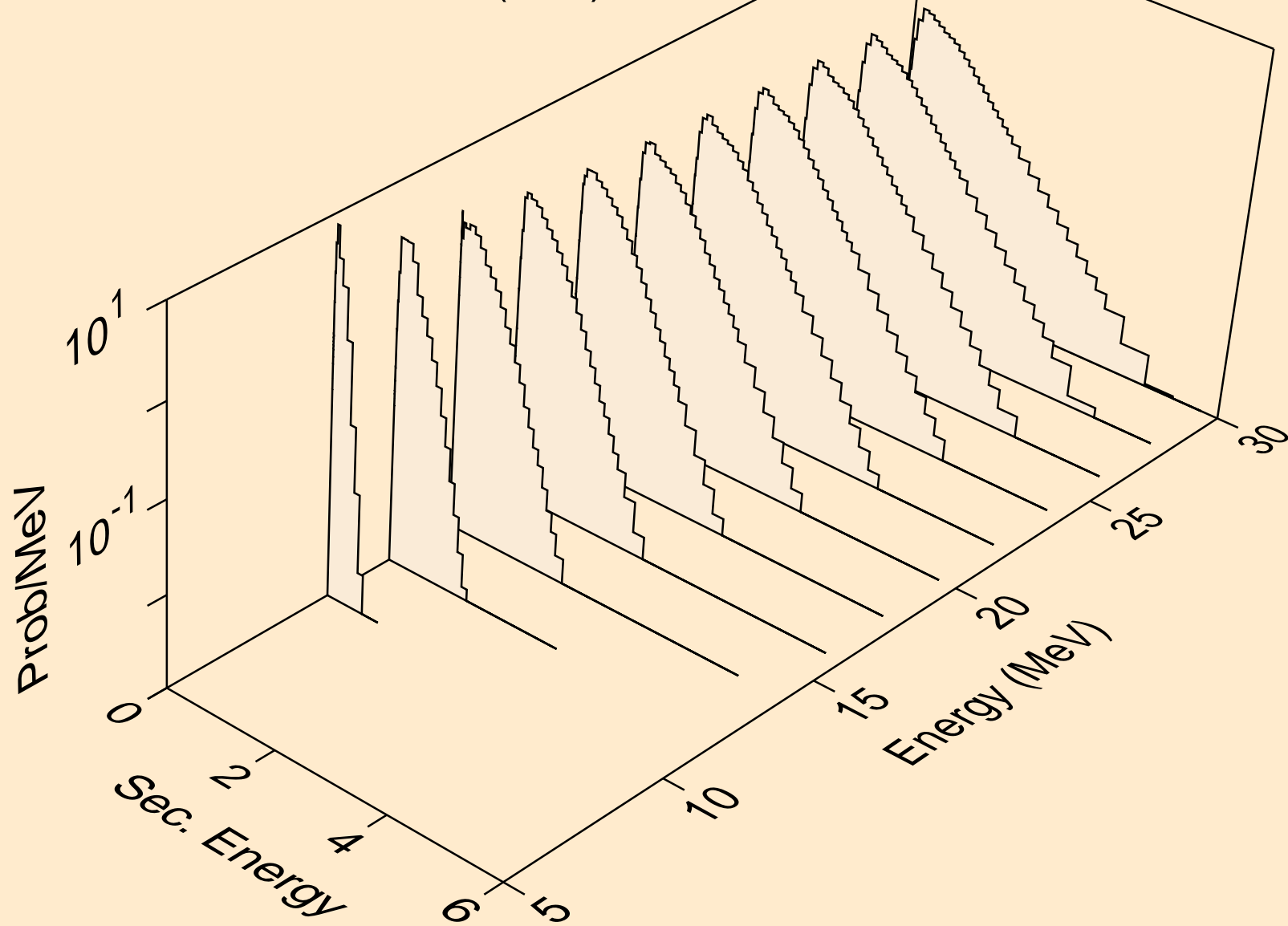
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



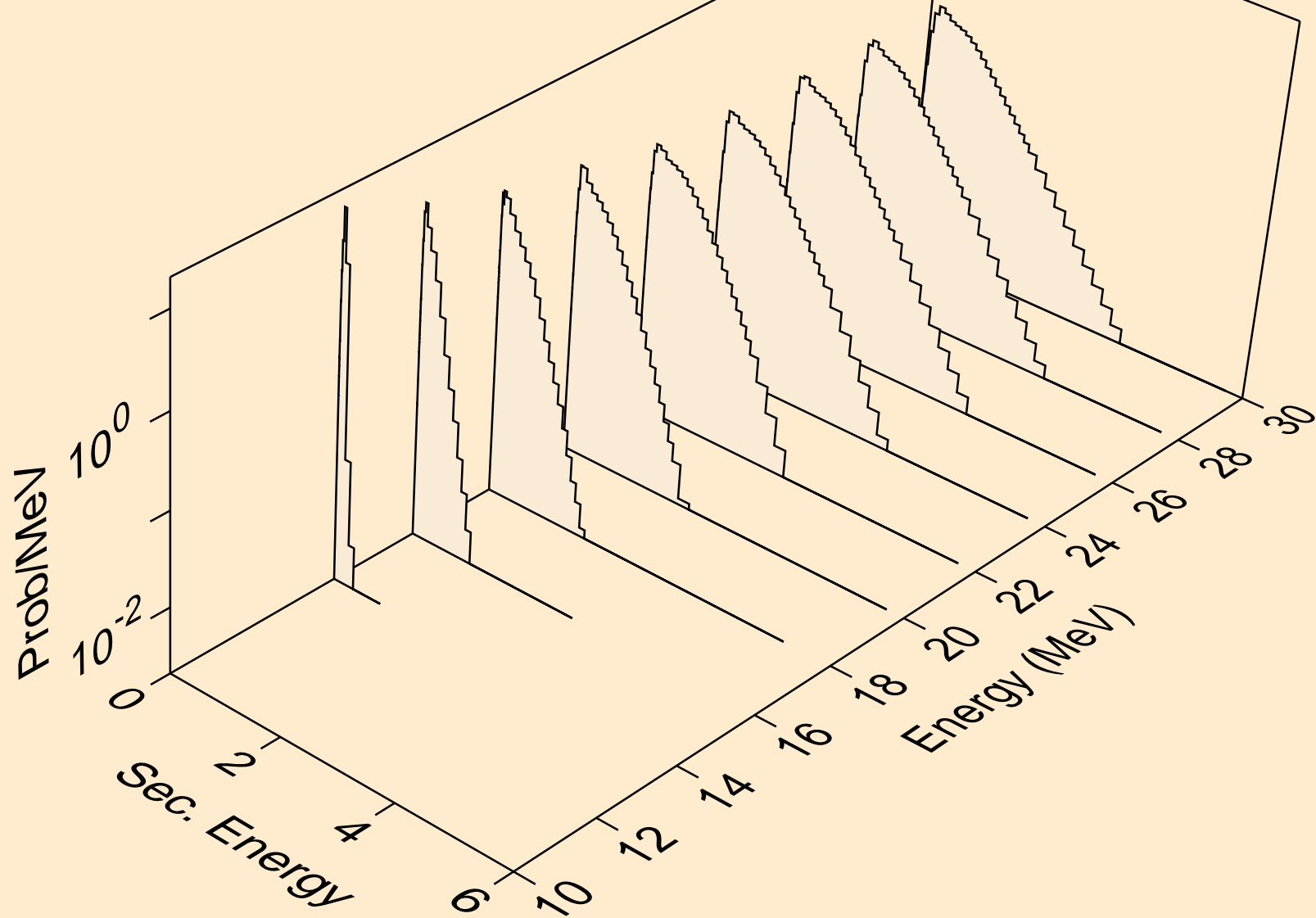
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a



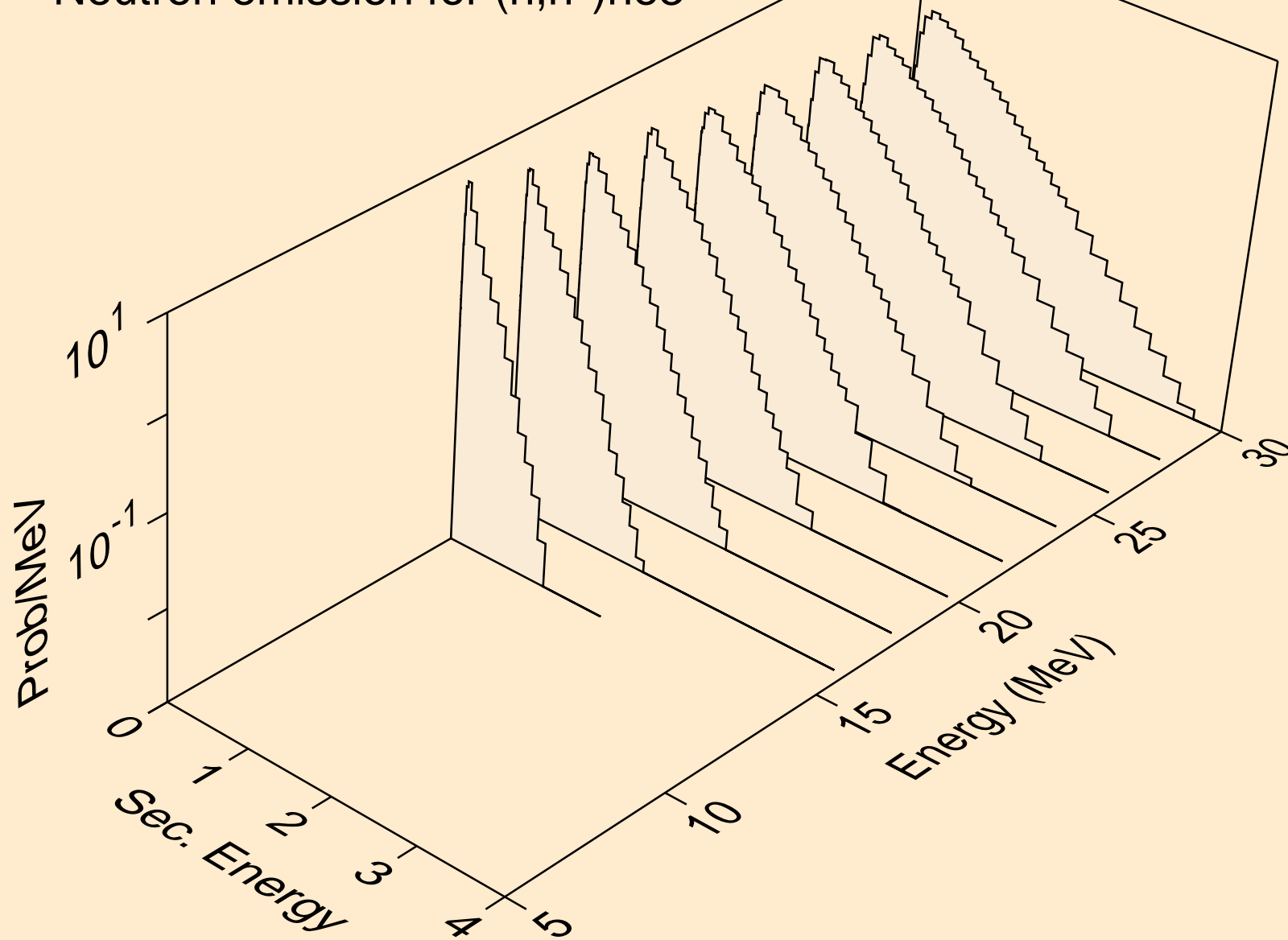
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



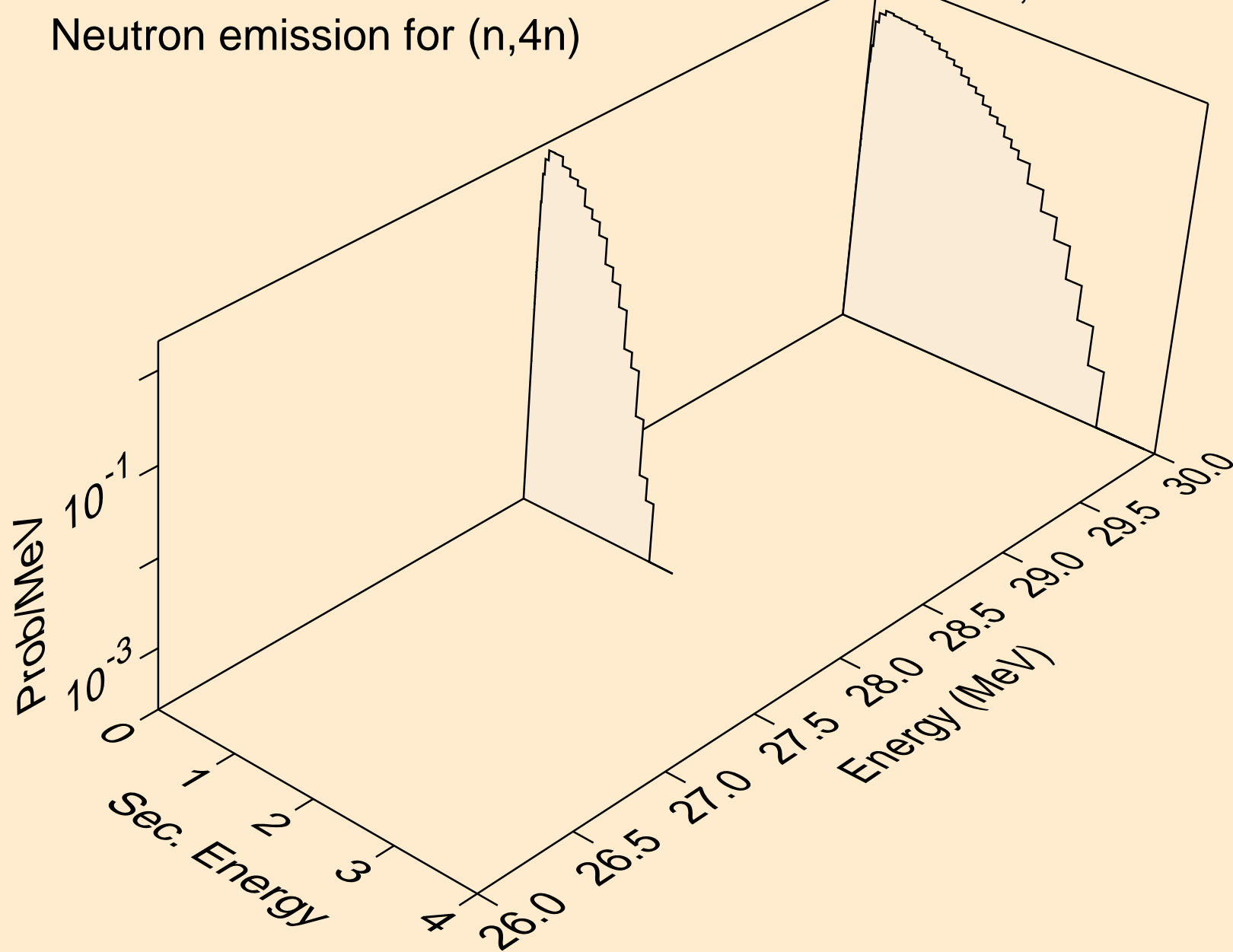
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



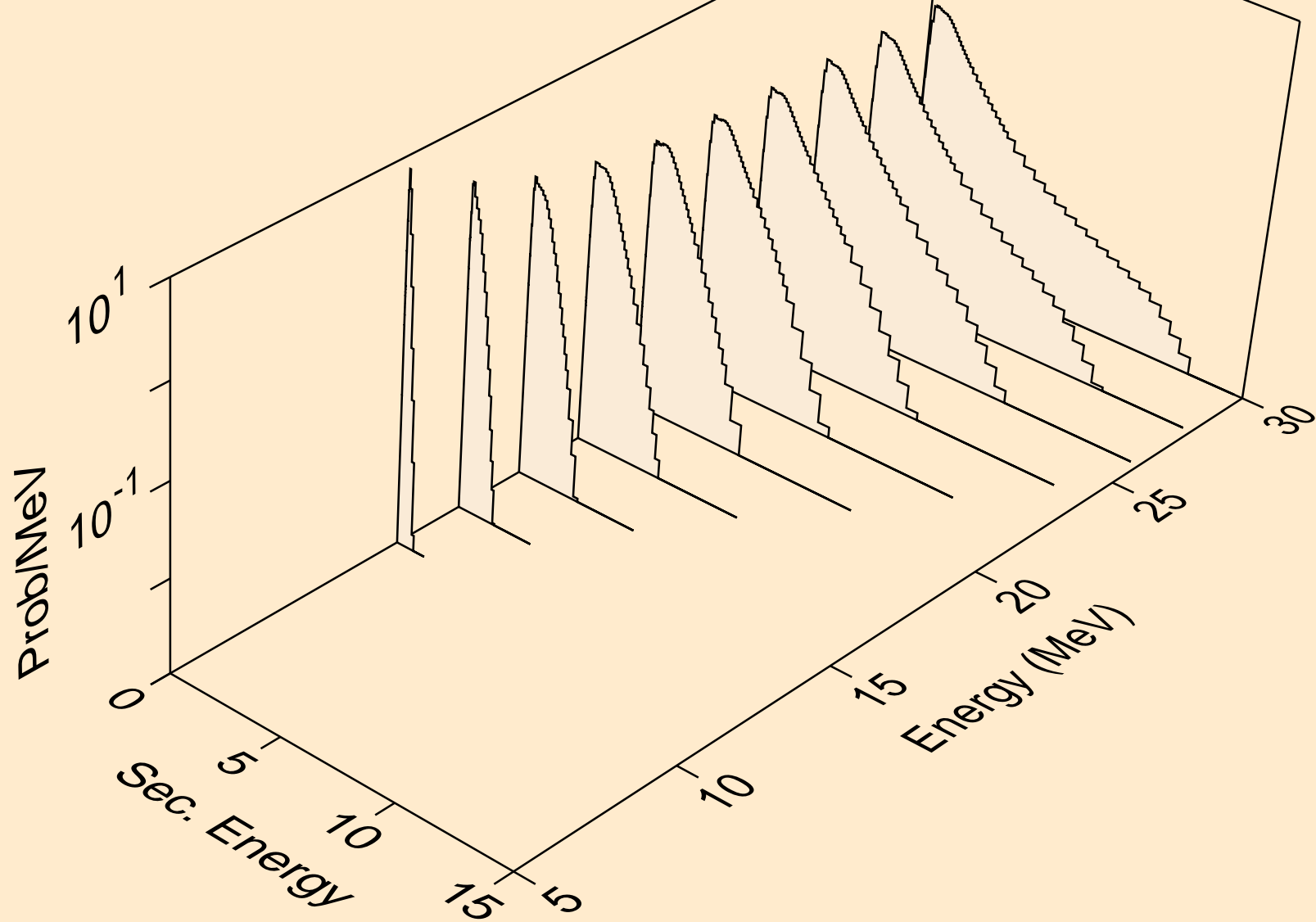
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



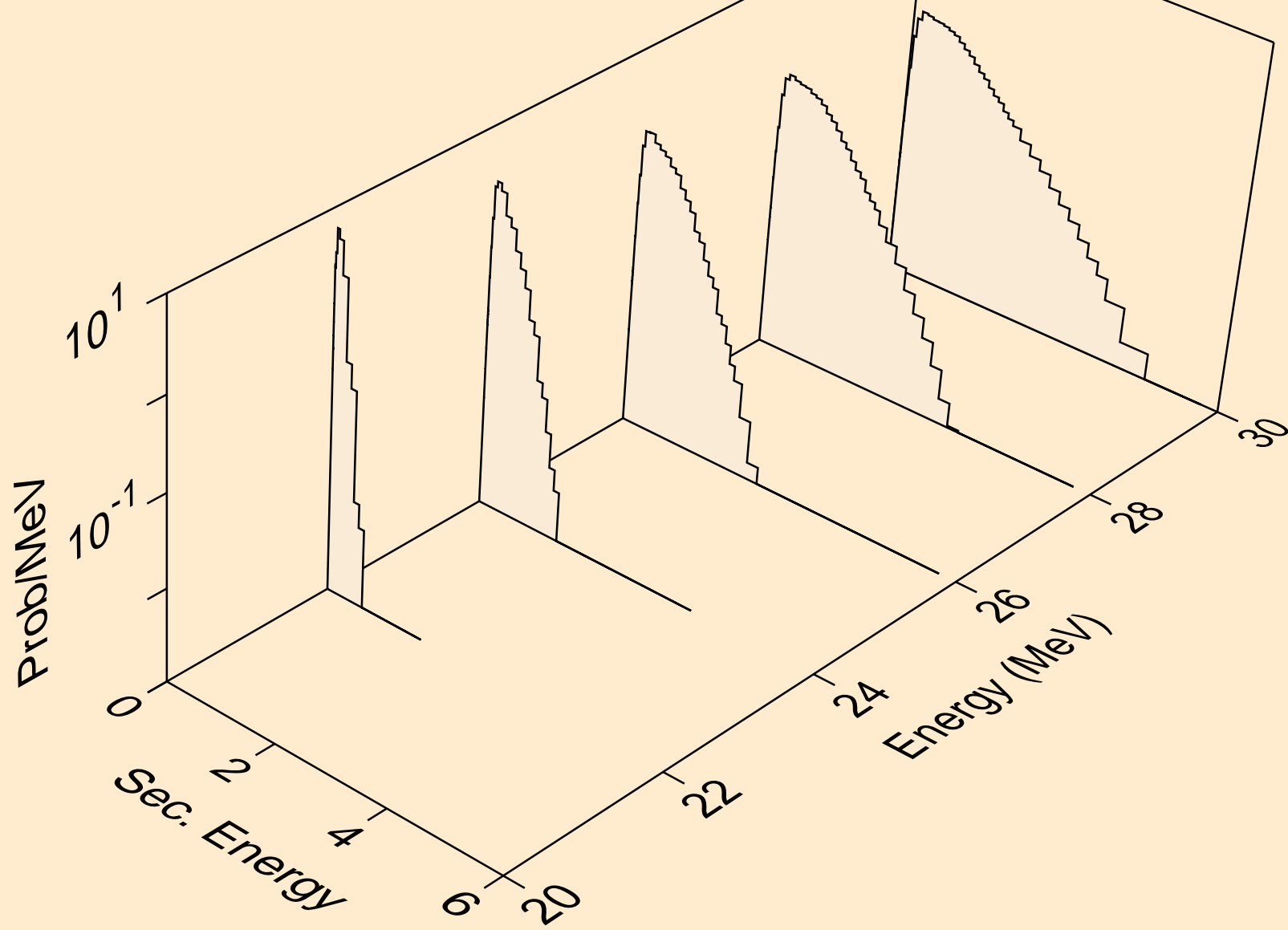
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)

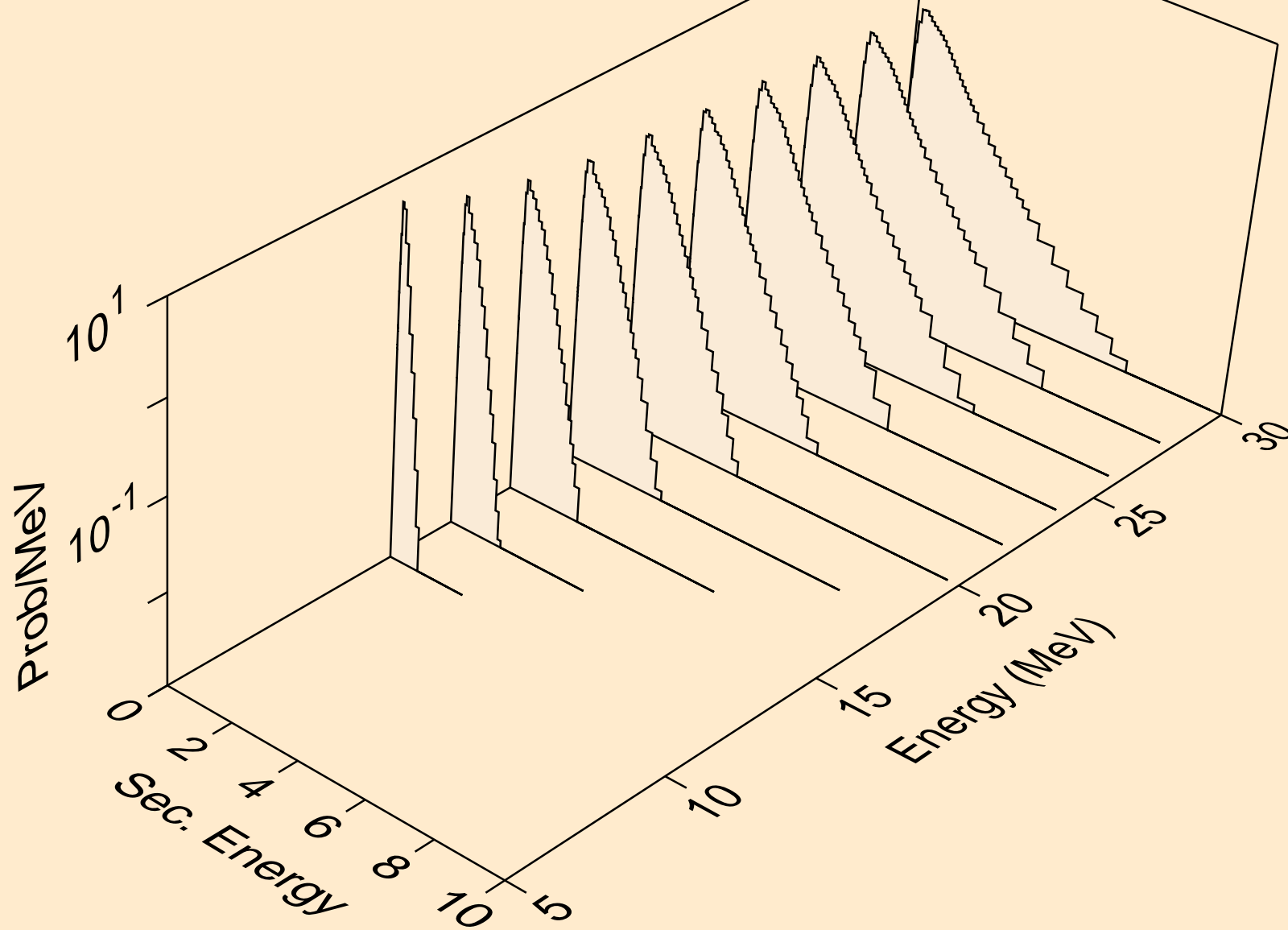


TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)

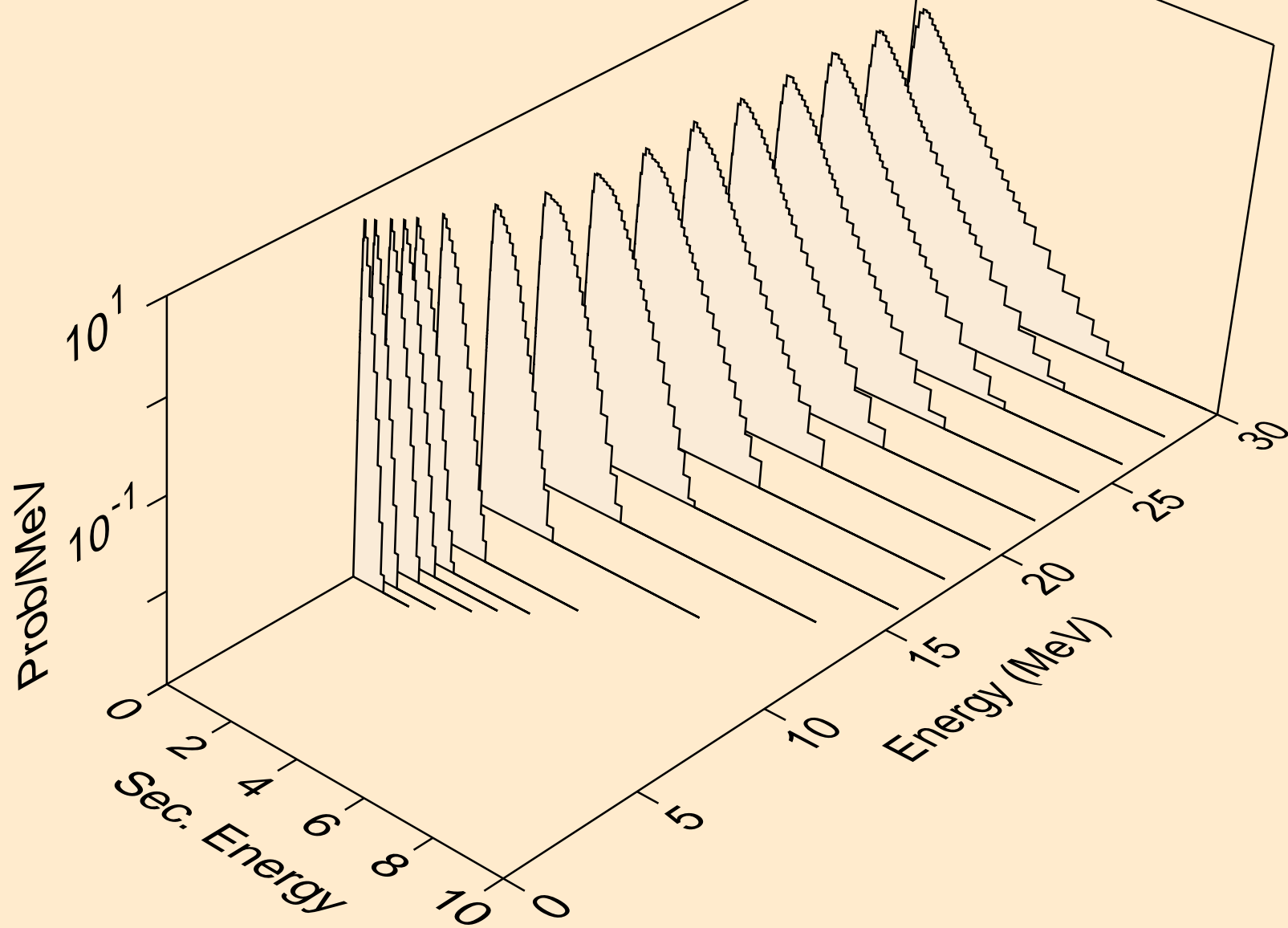




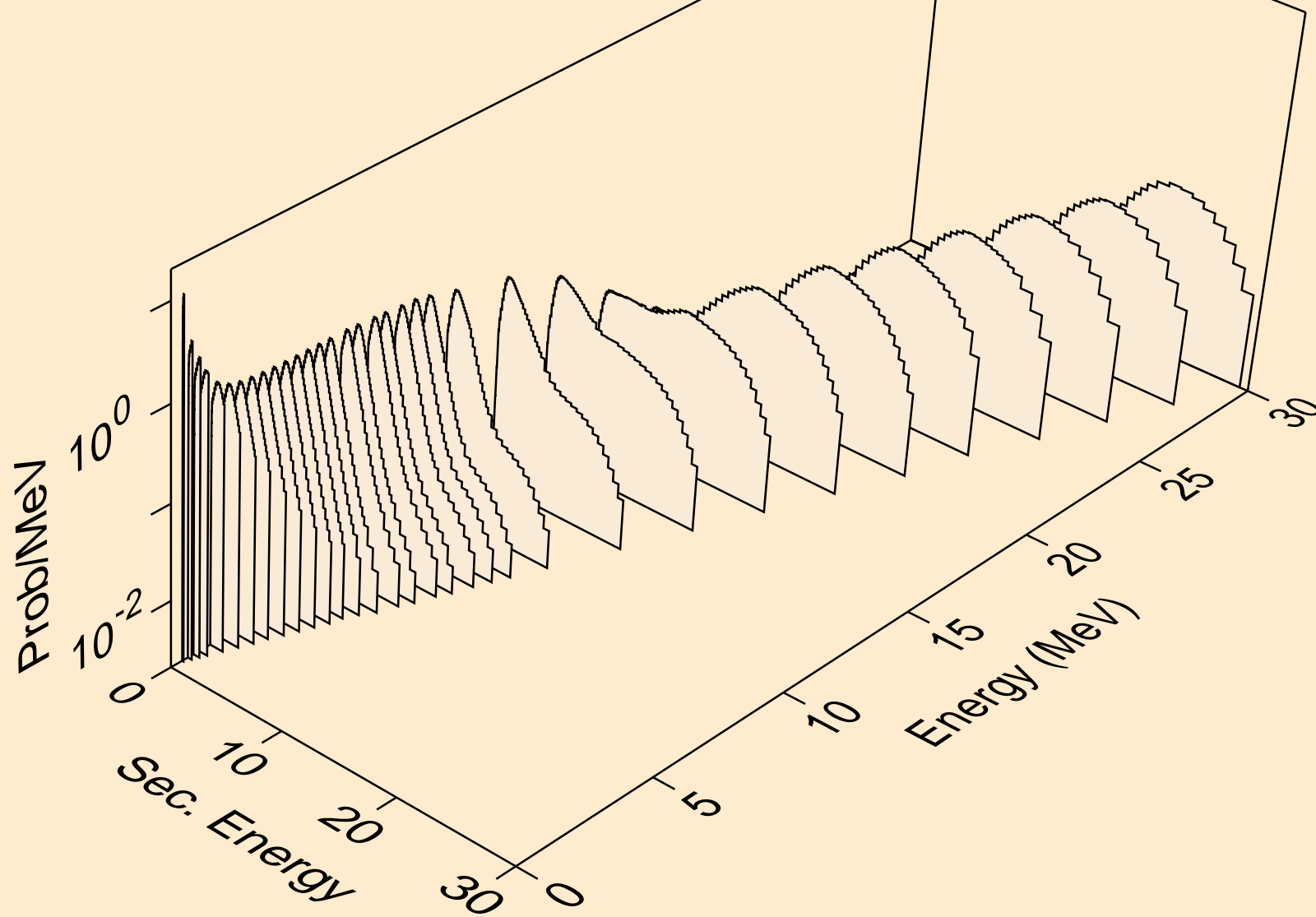
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



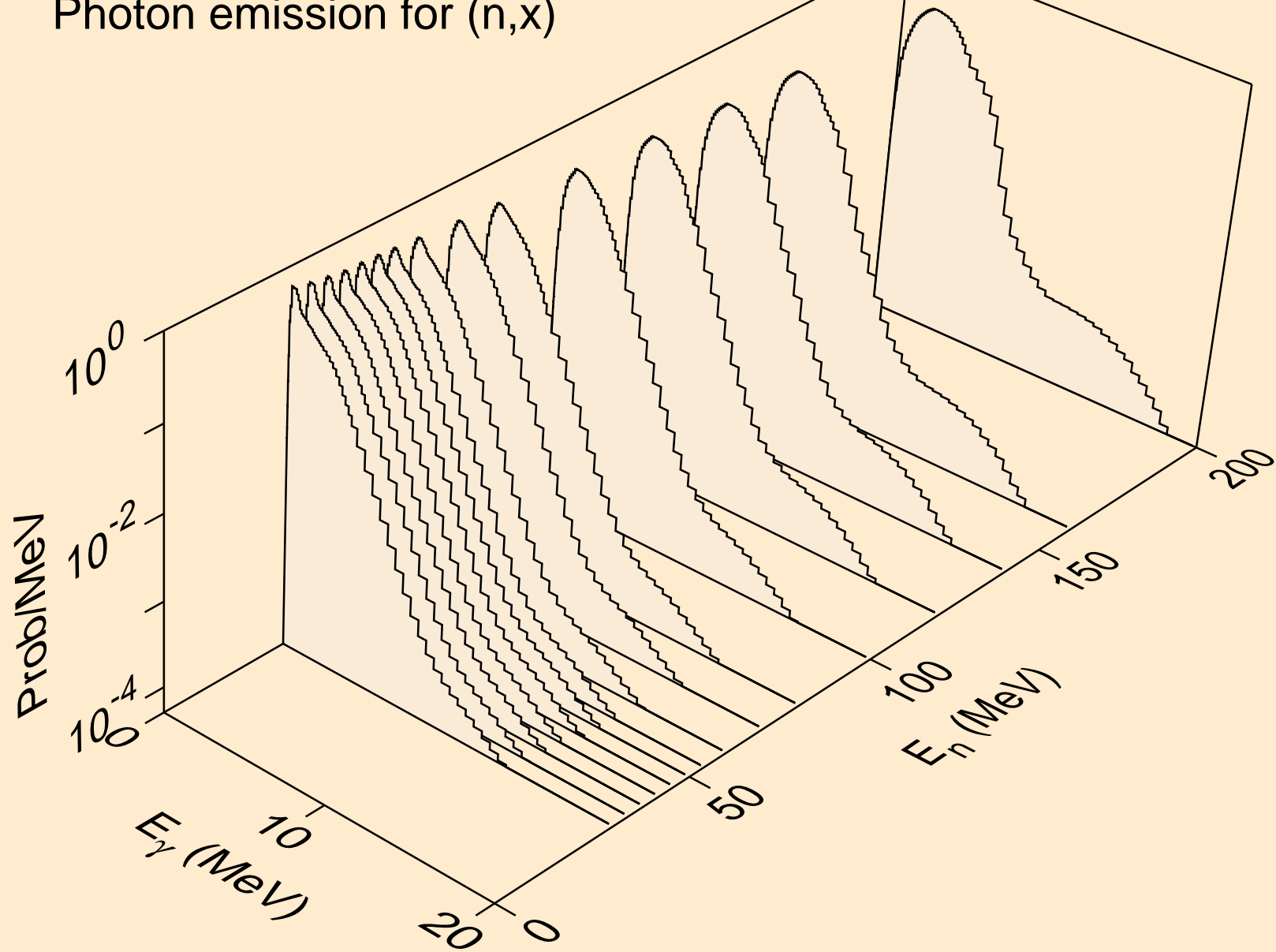
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



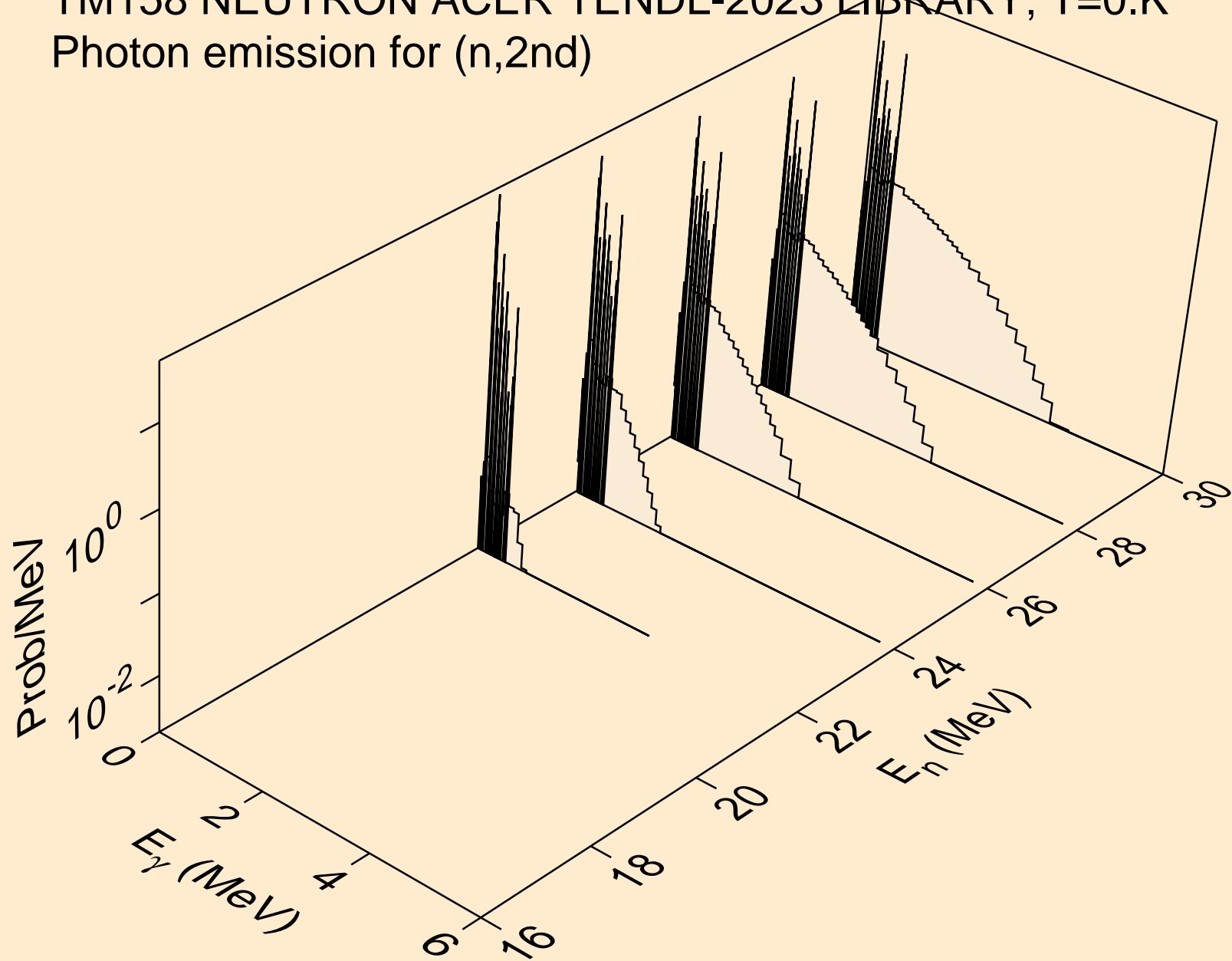
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



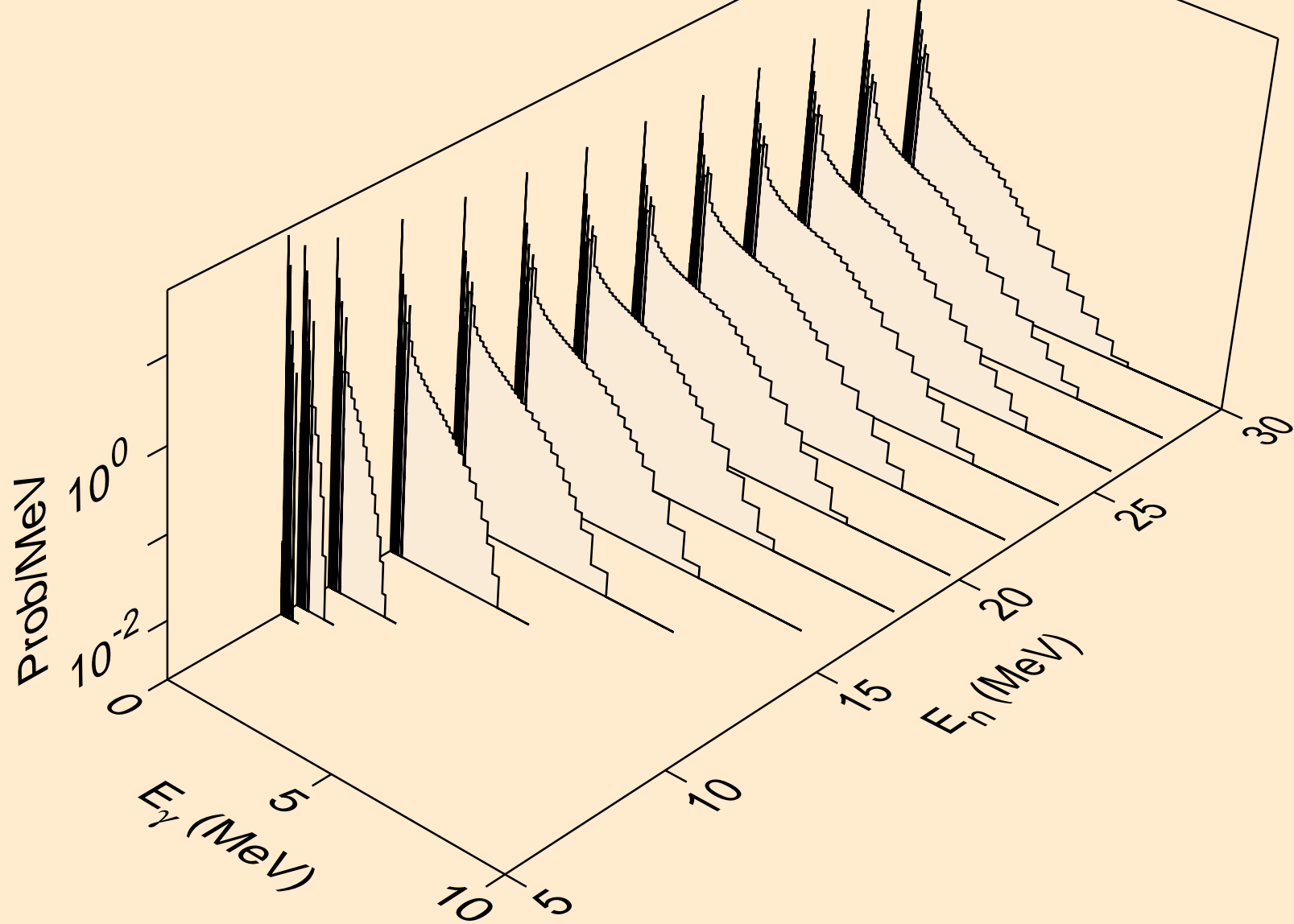
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



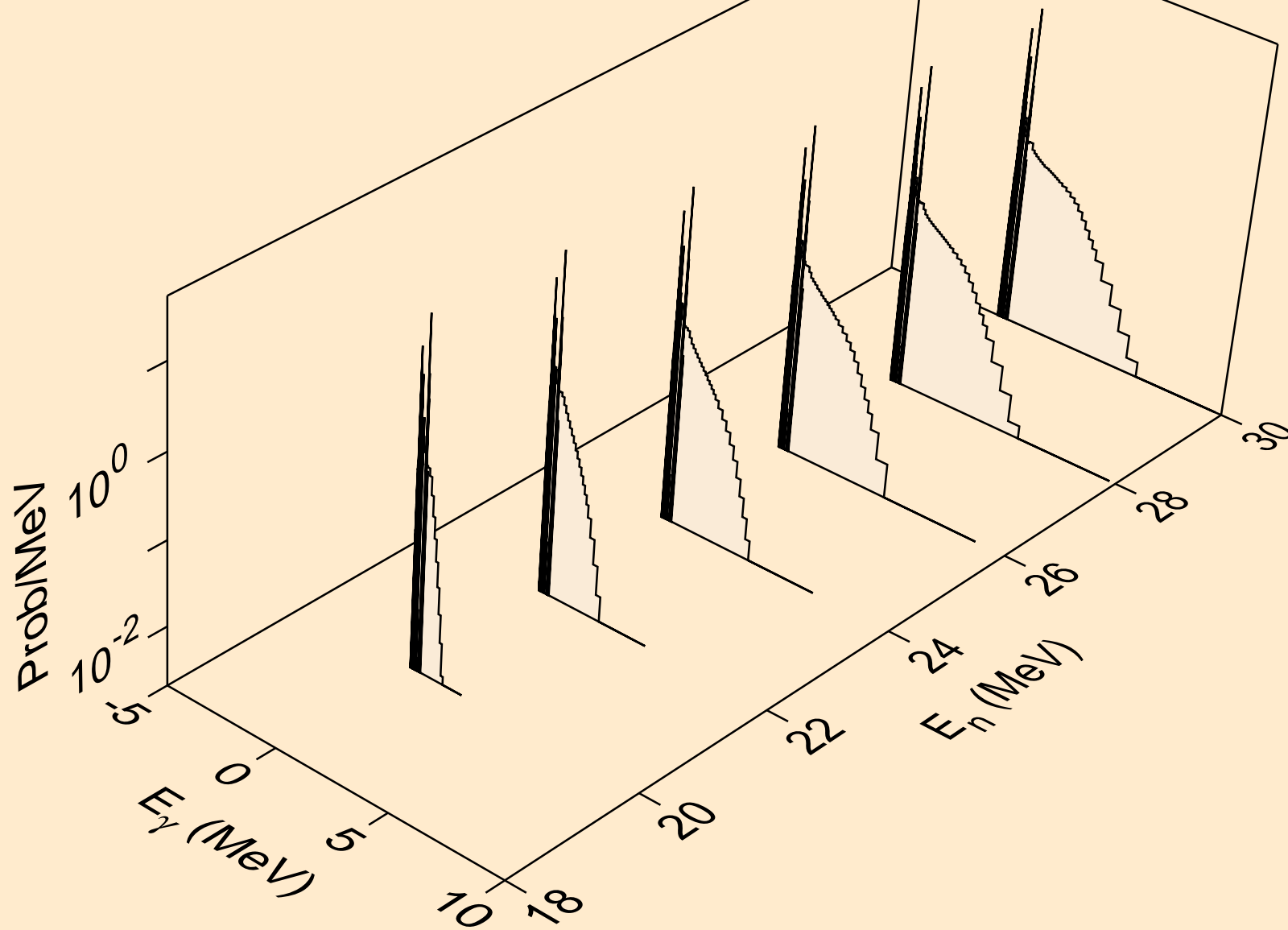
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



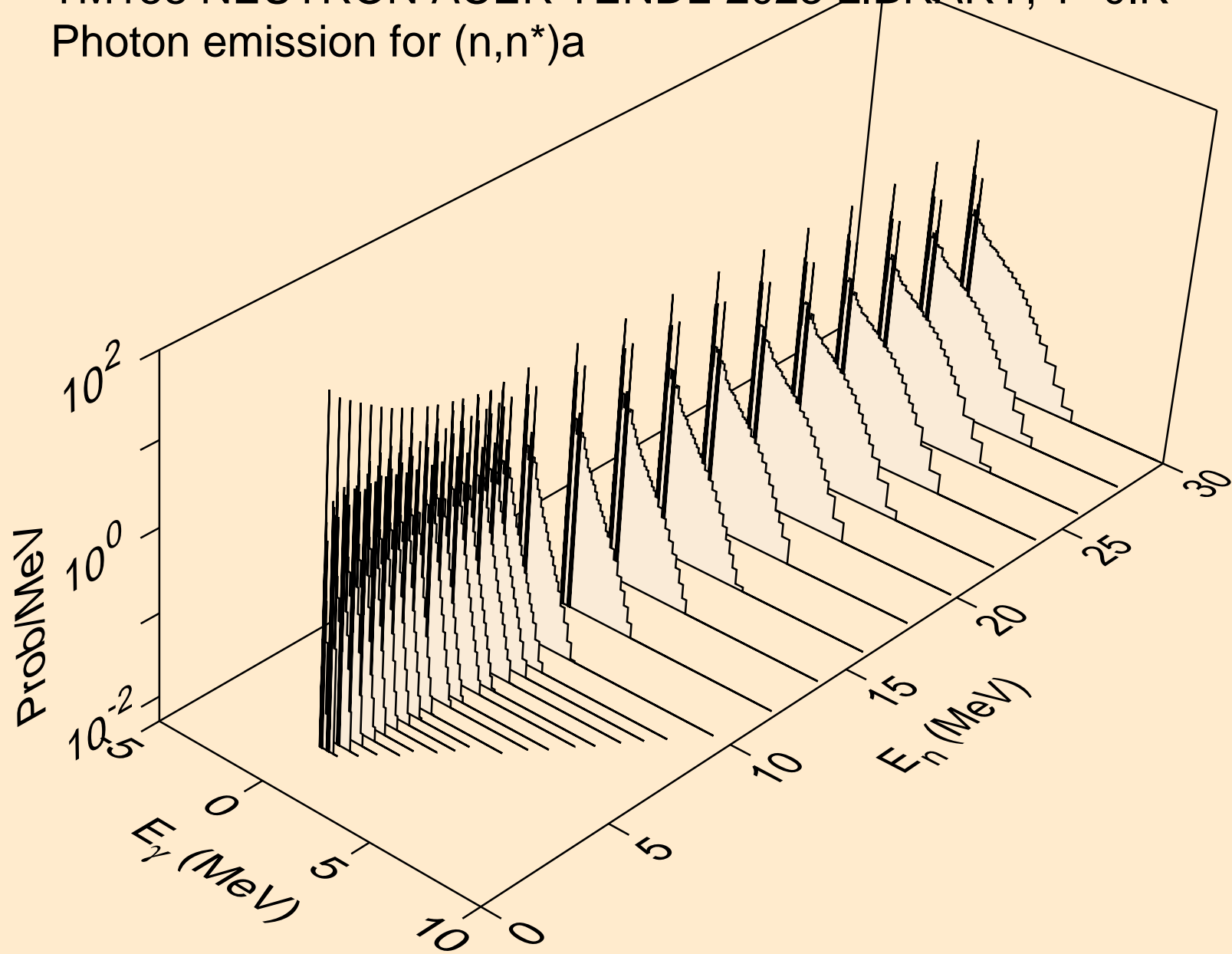
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)

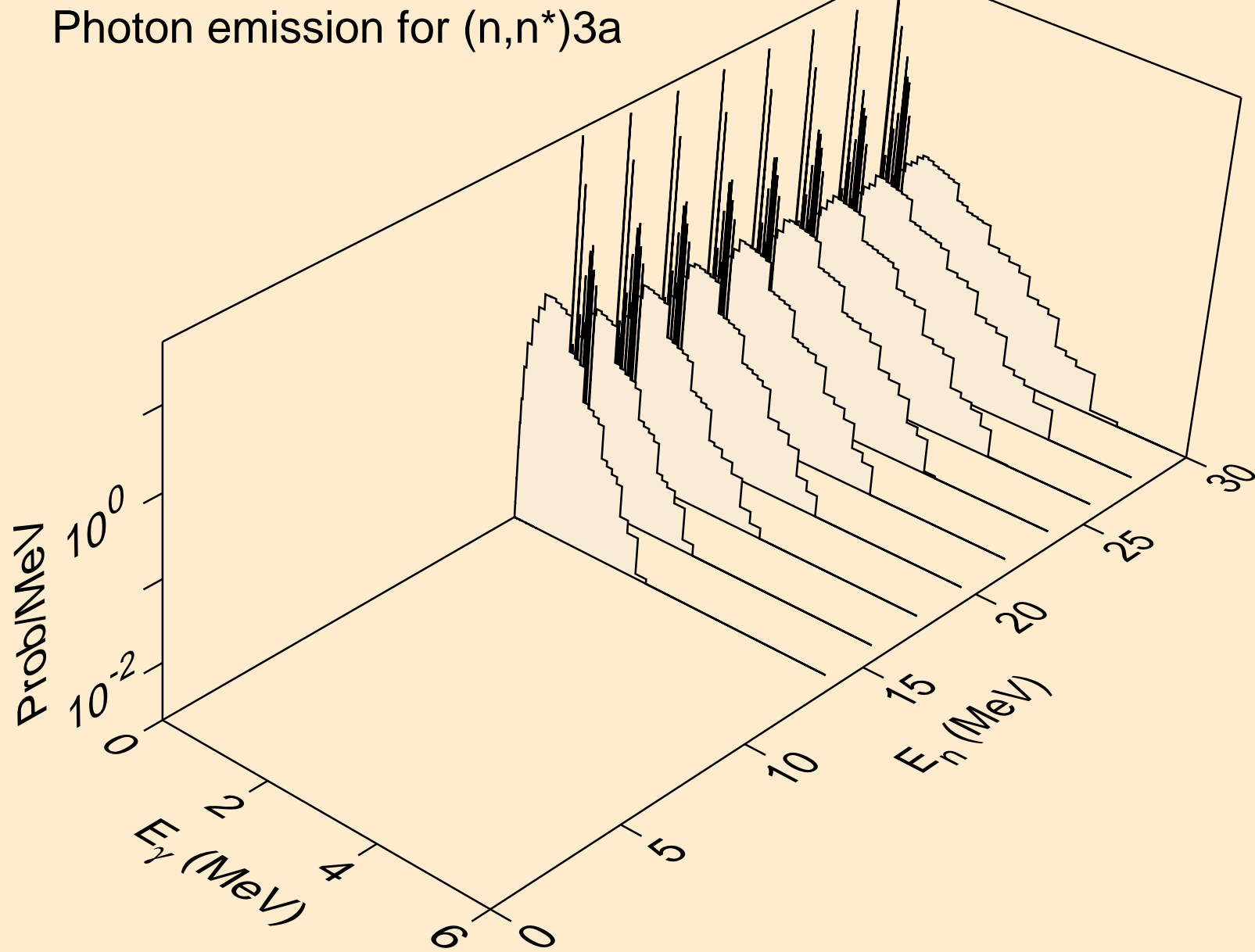


TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

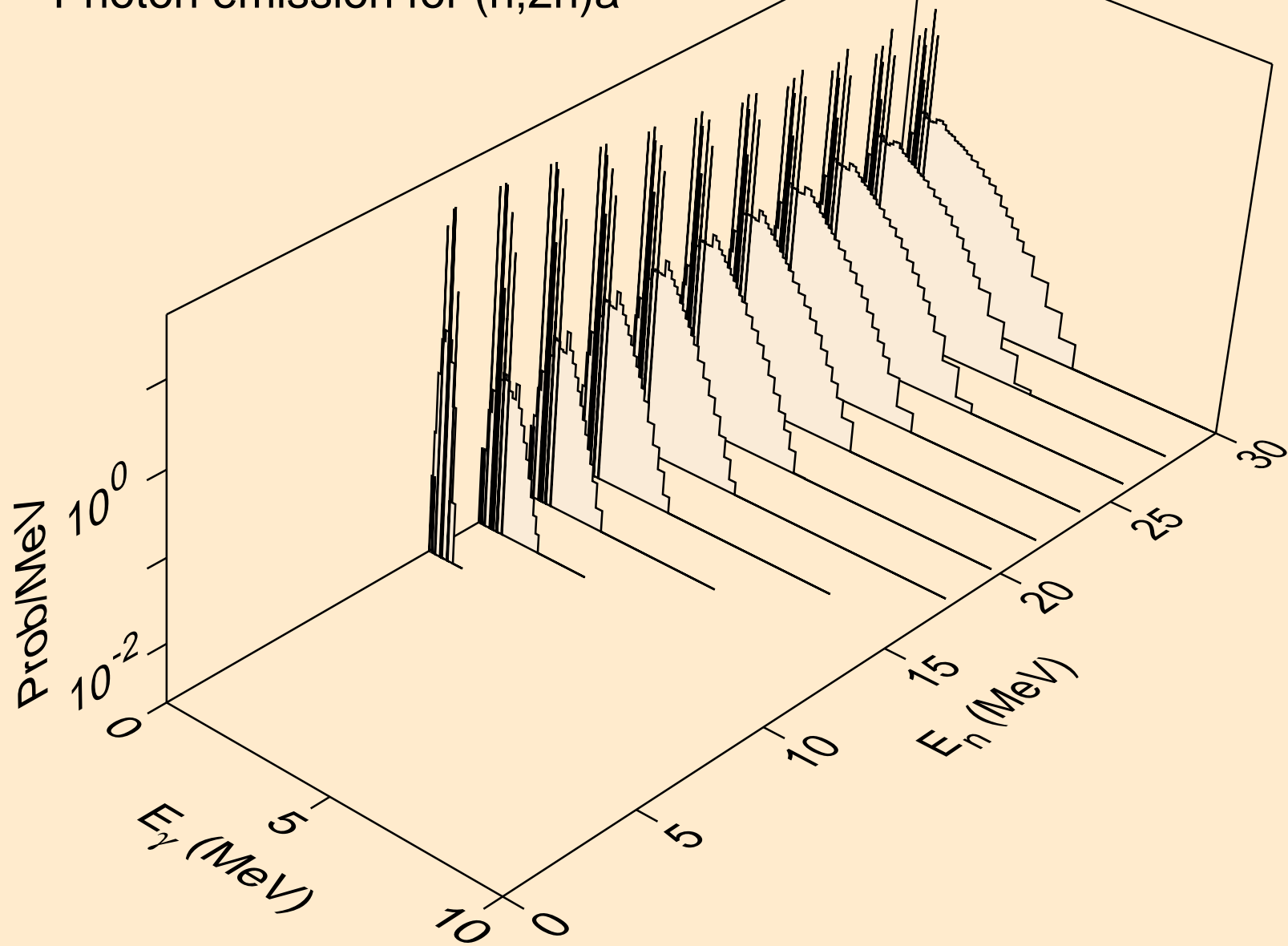




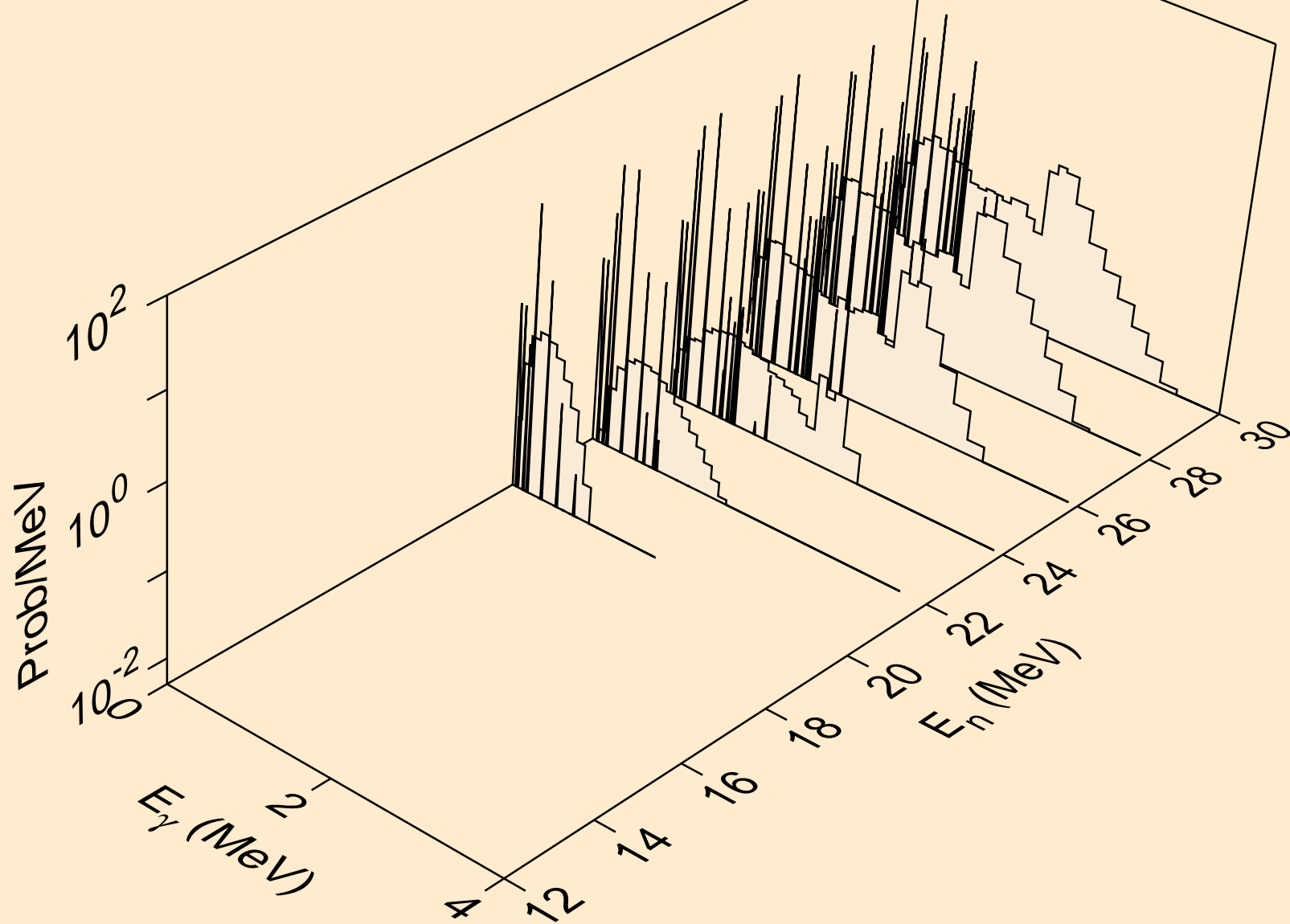
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)3a



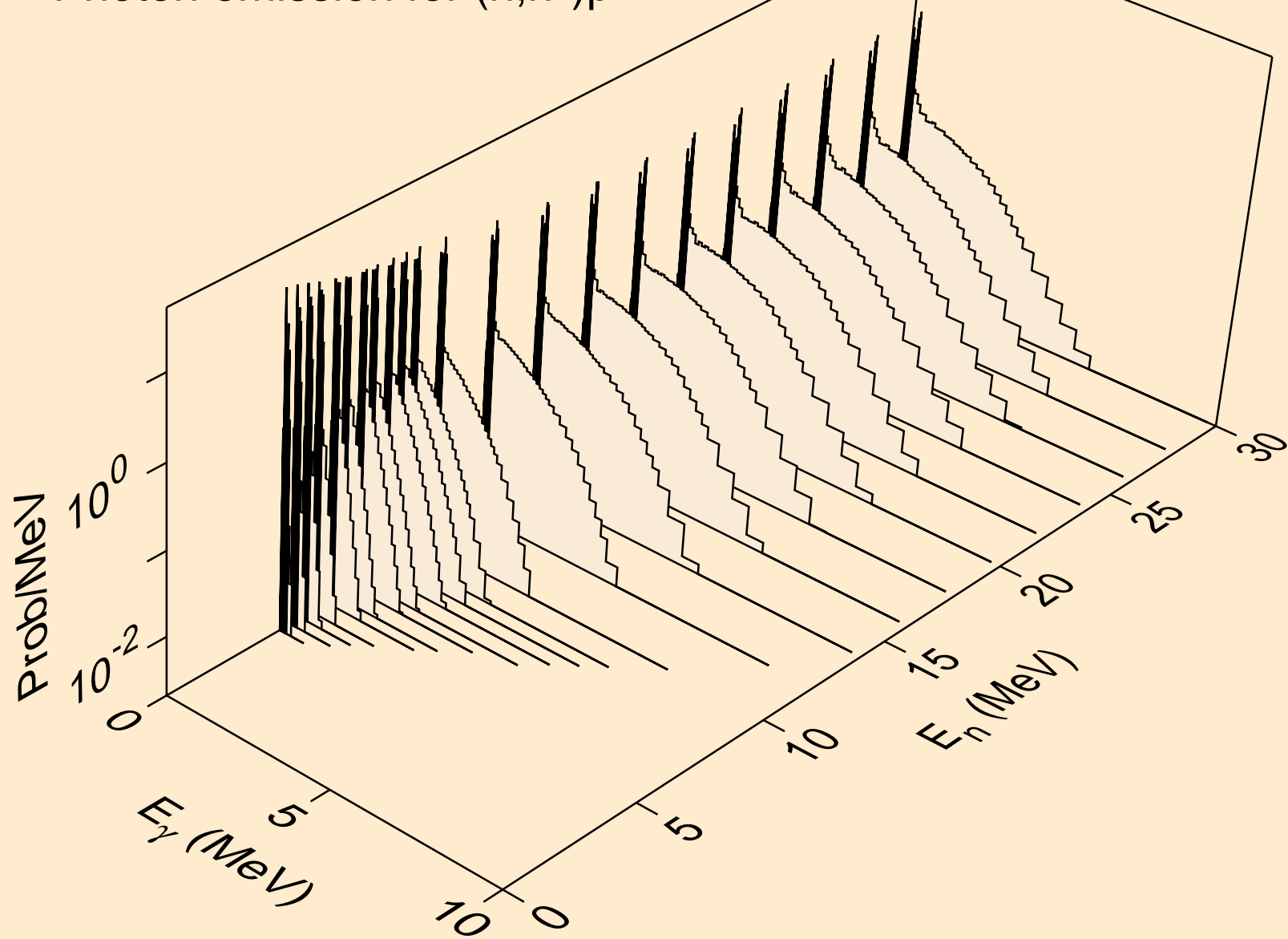
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



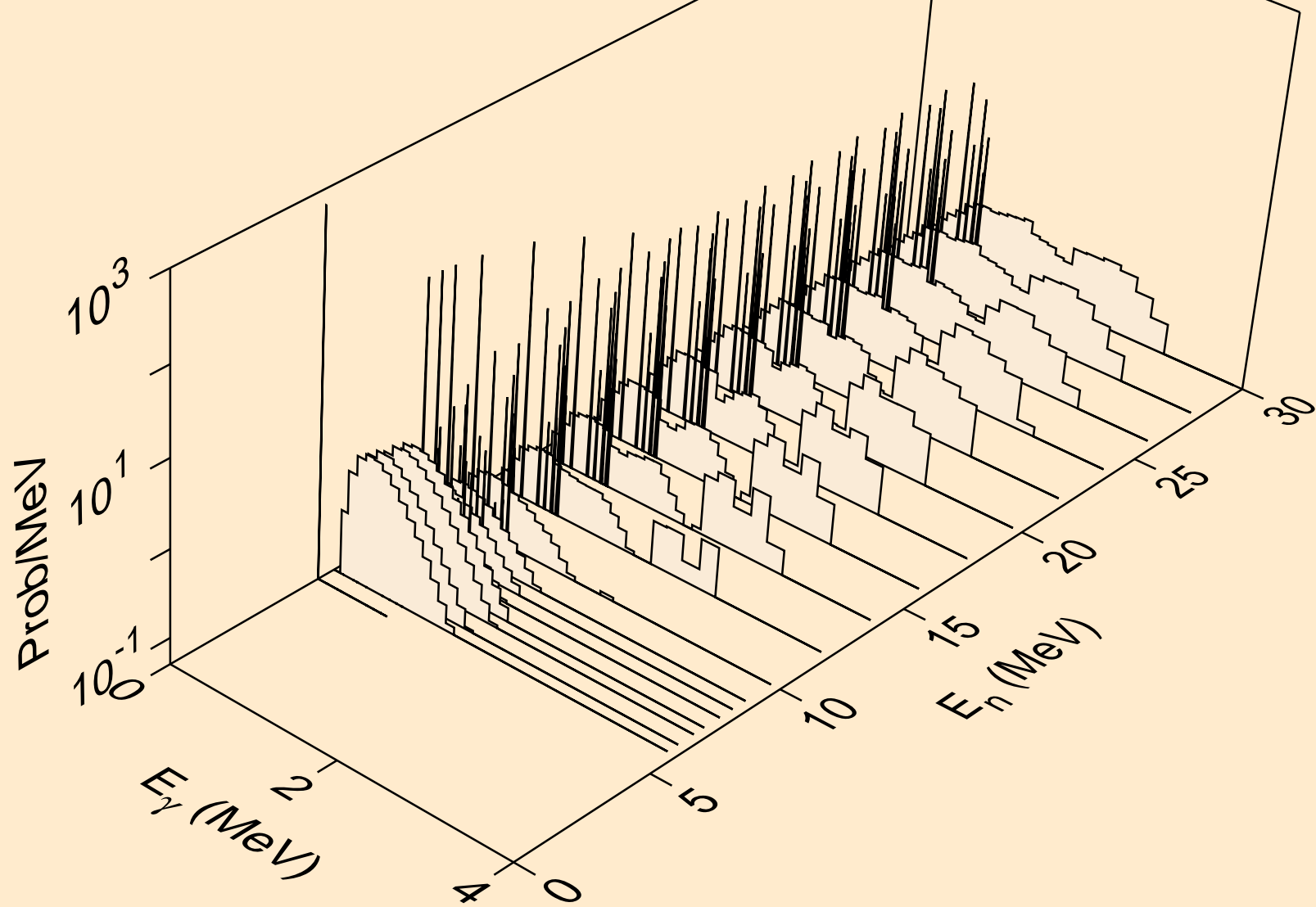
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



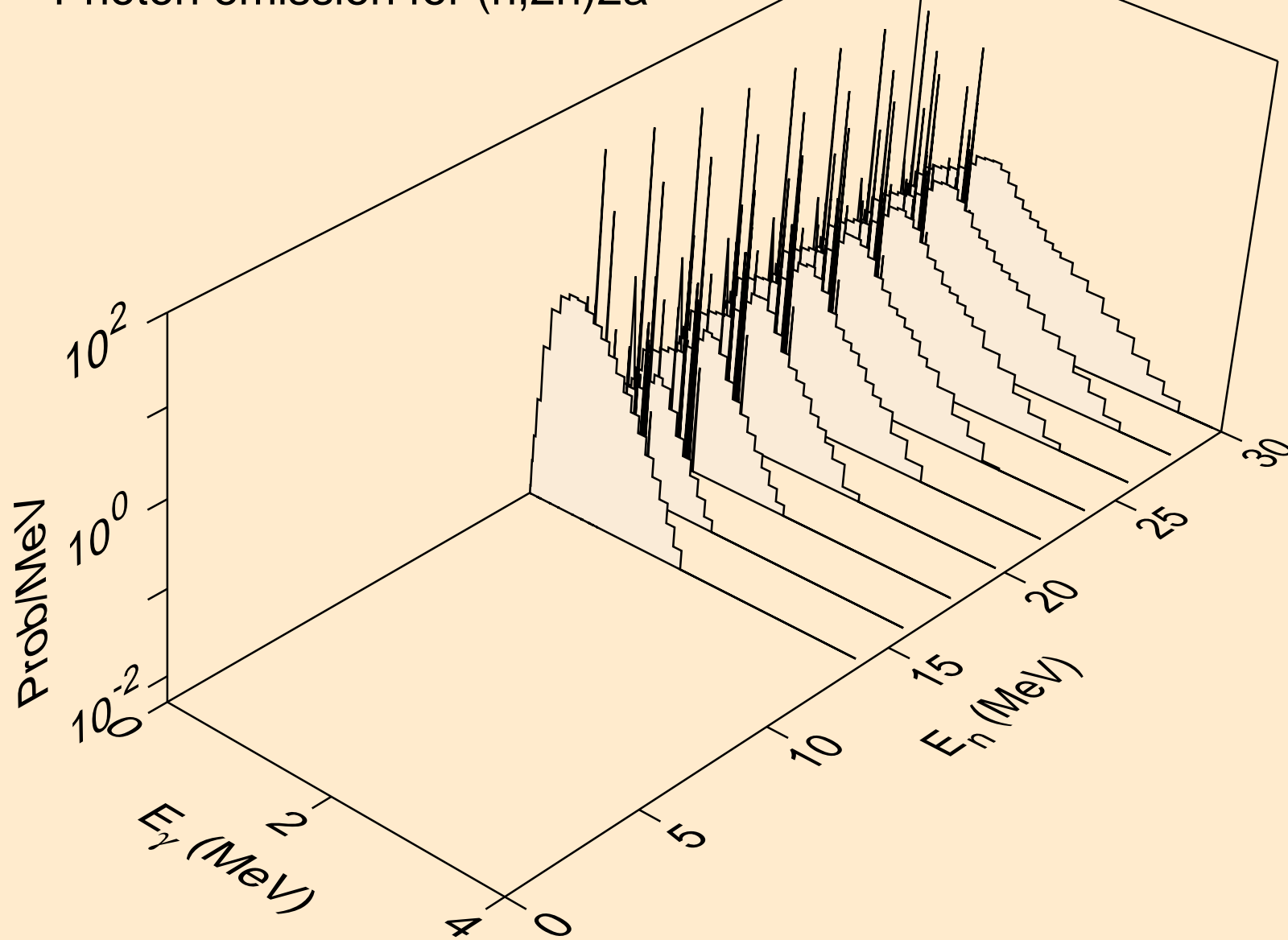
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



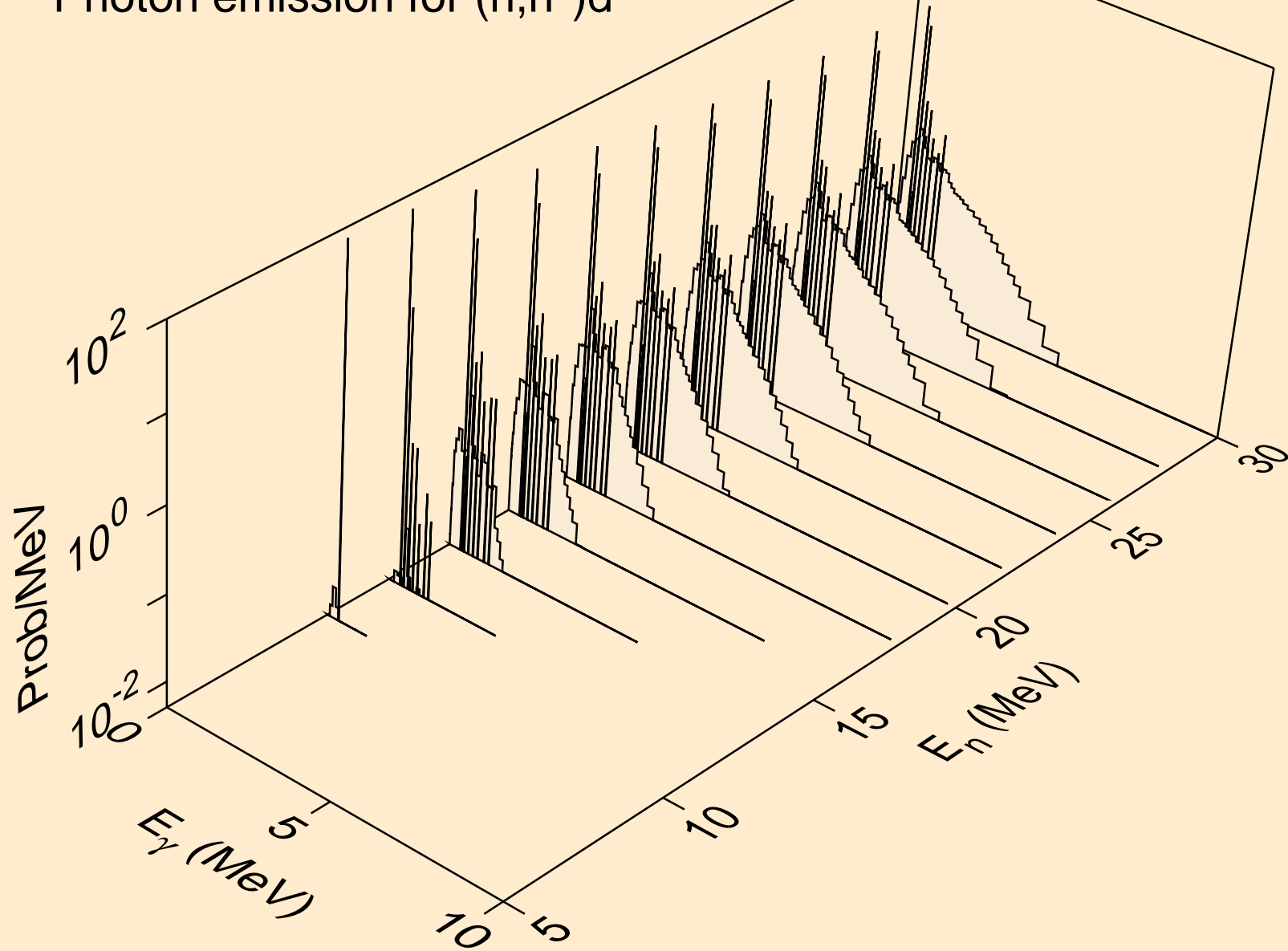
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



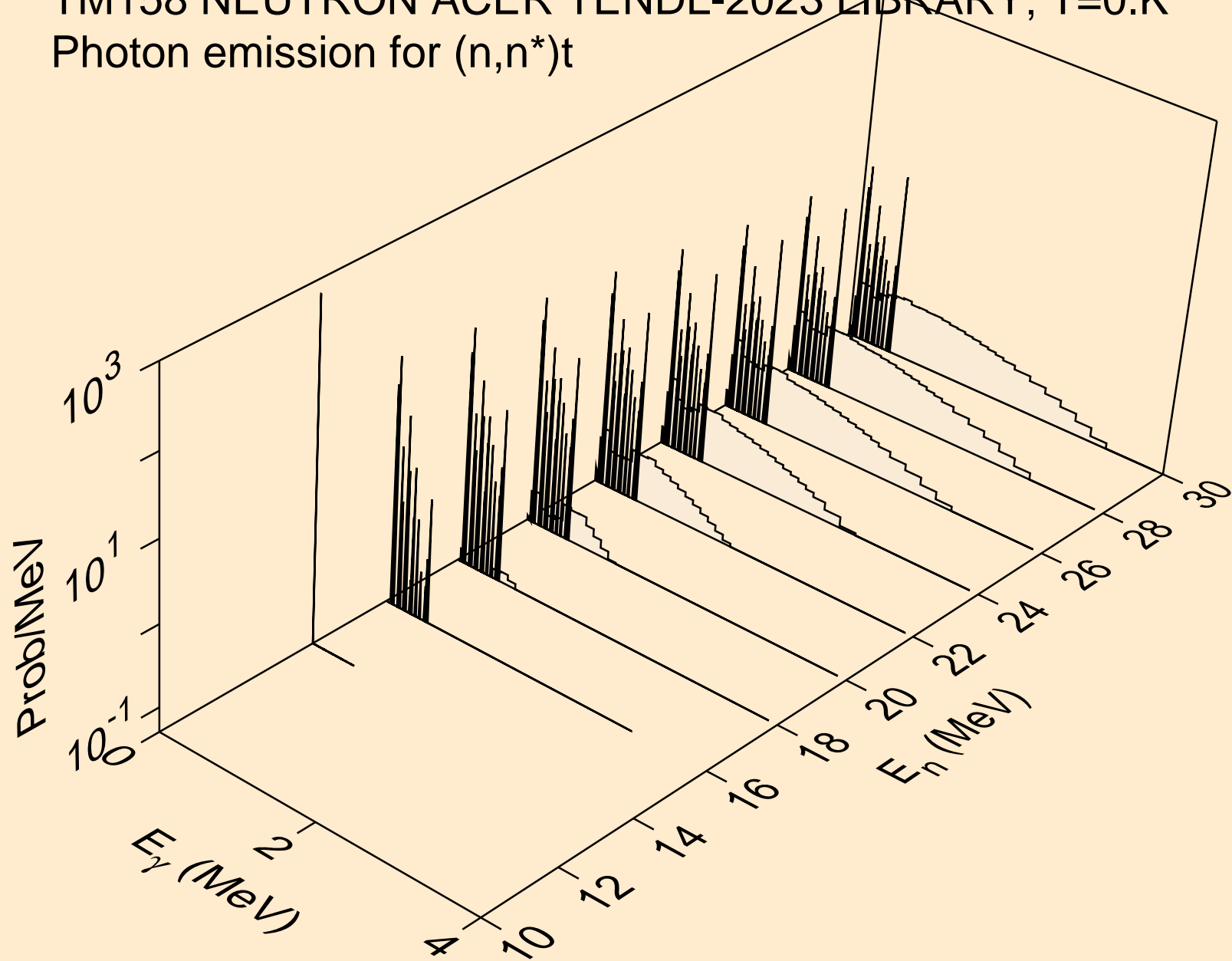
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

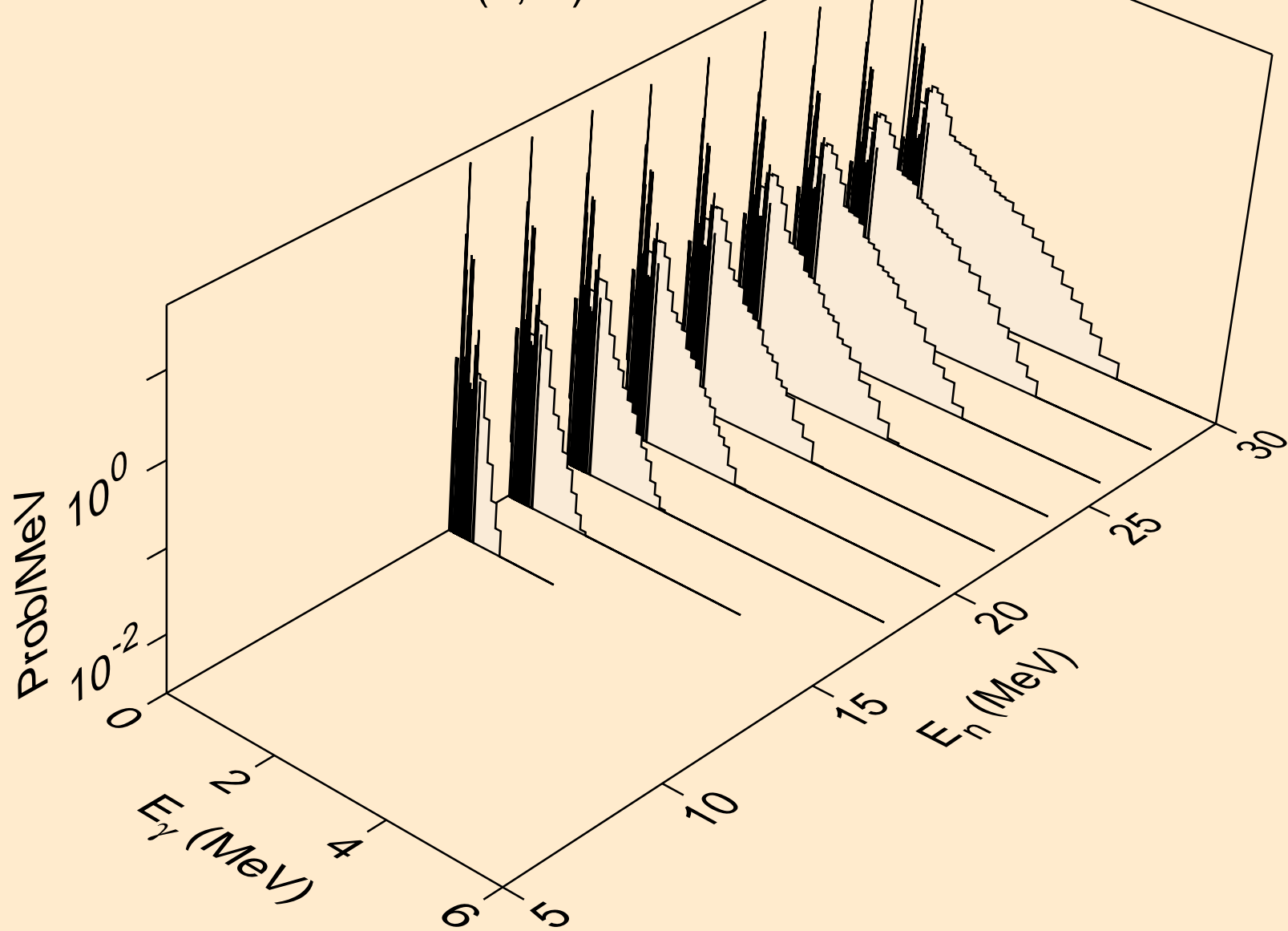


TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

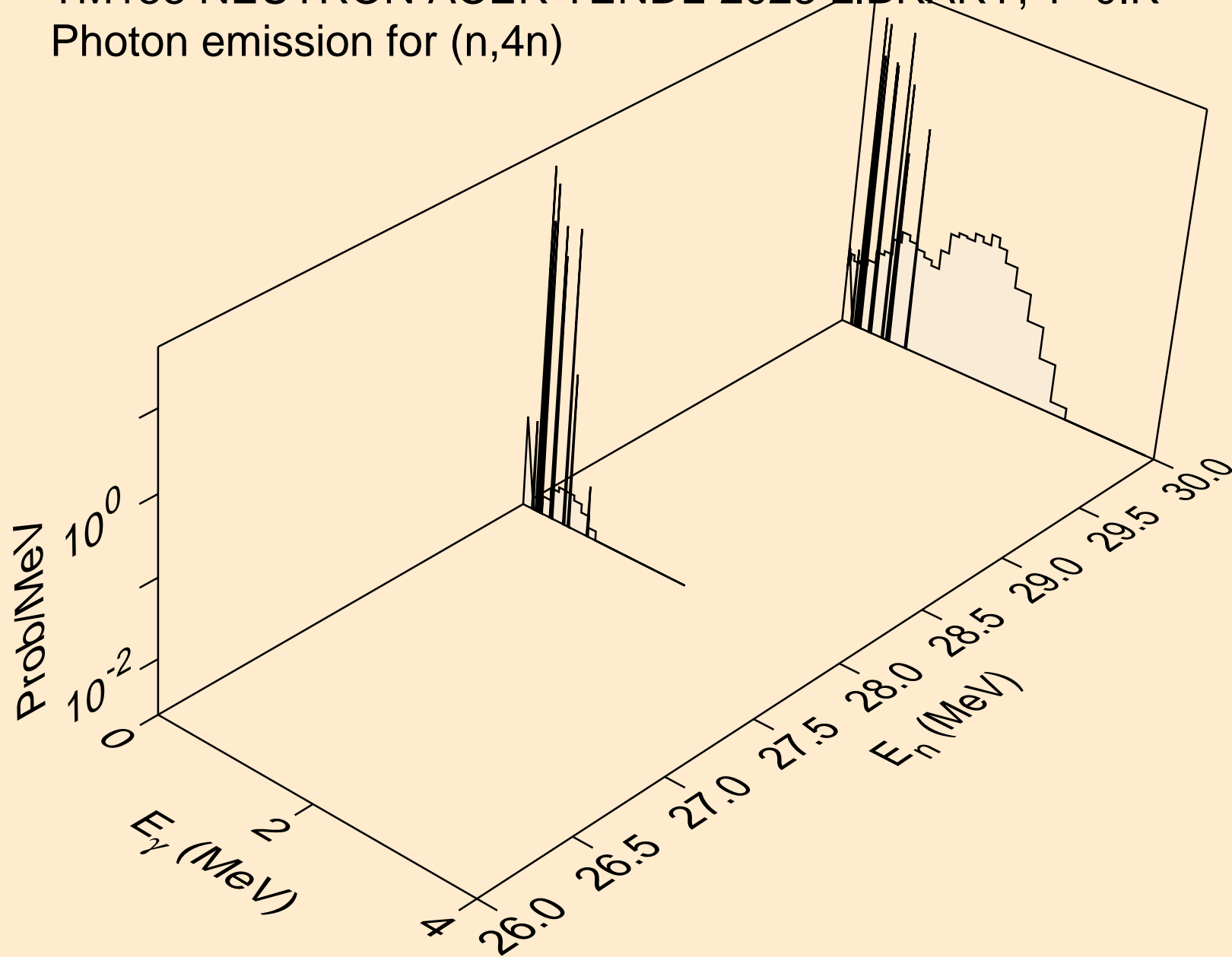




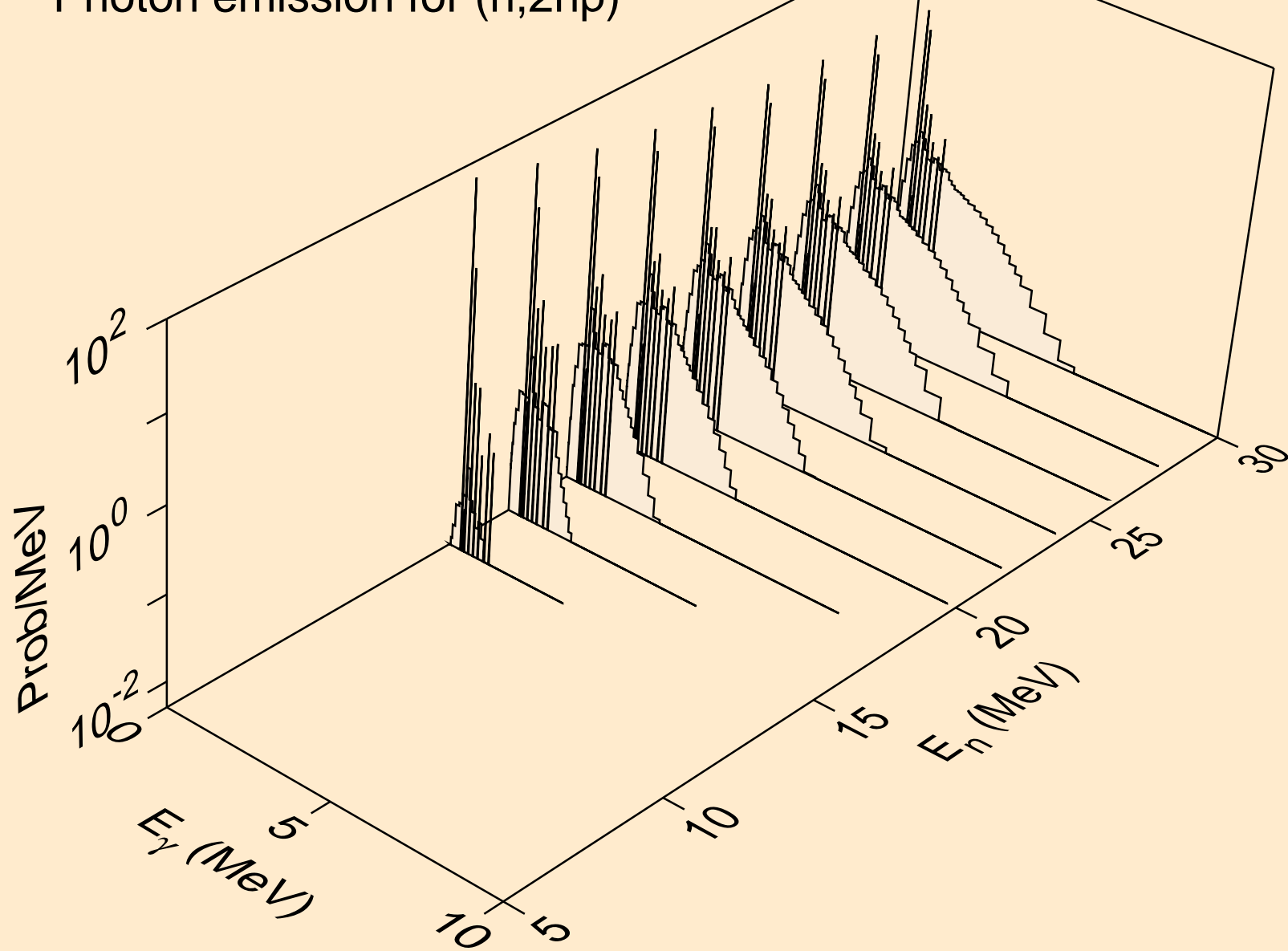
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



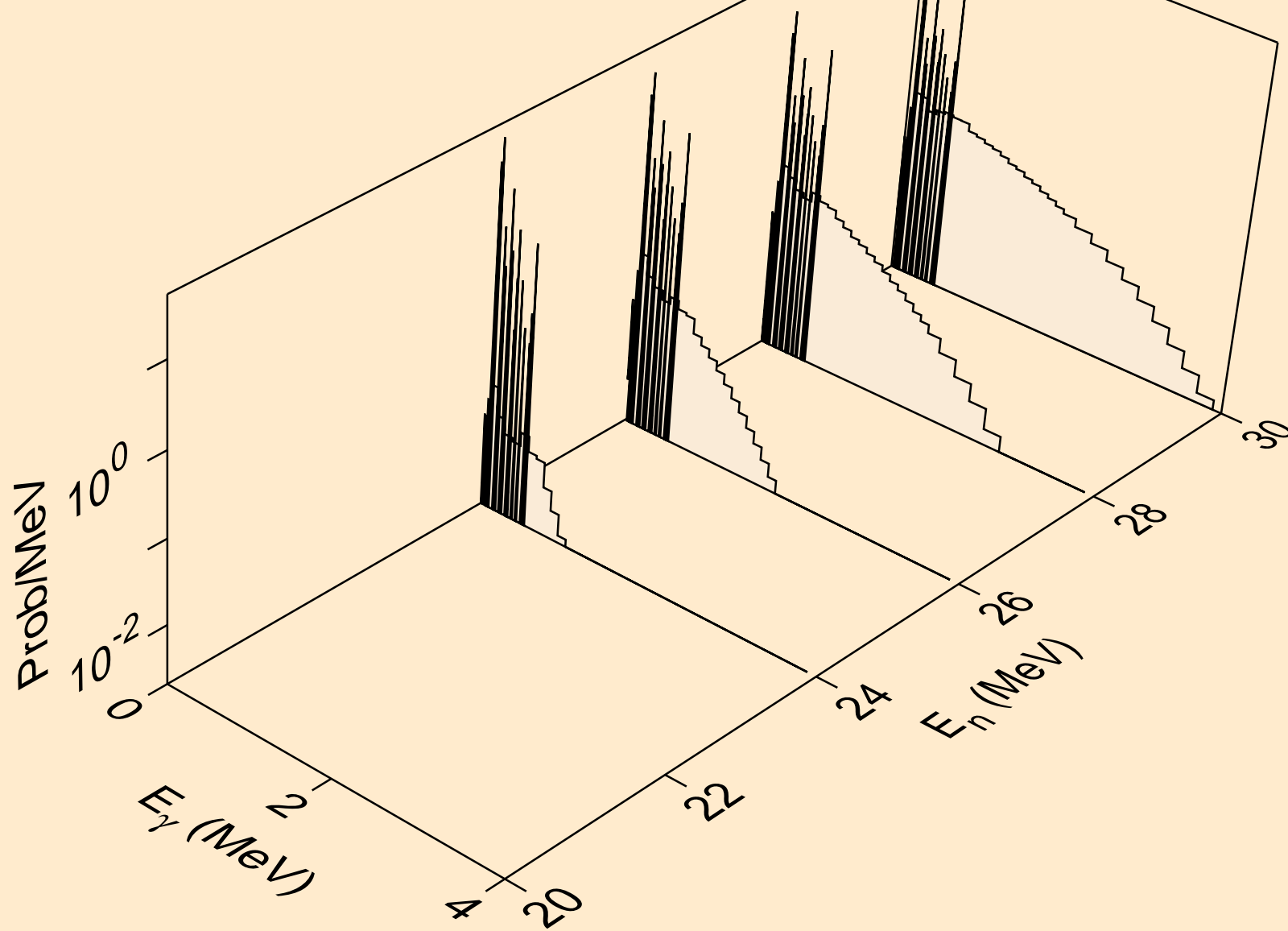
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



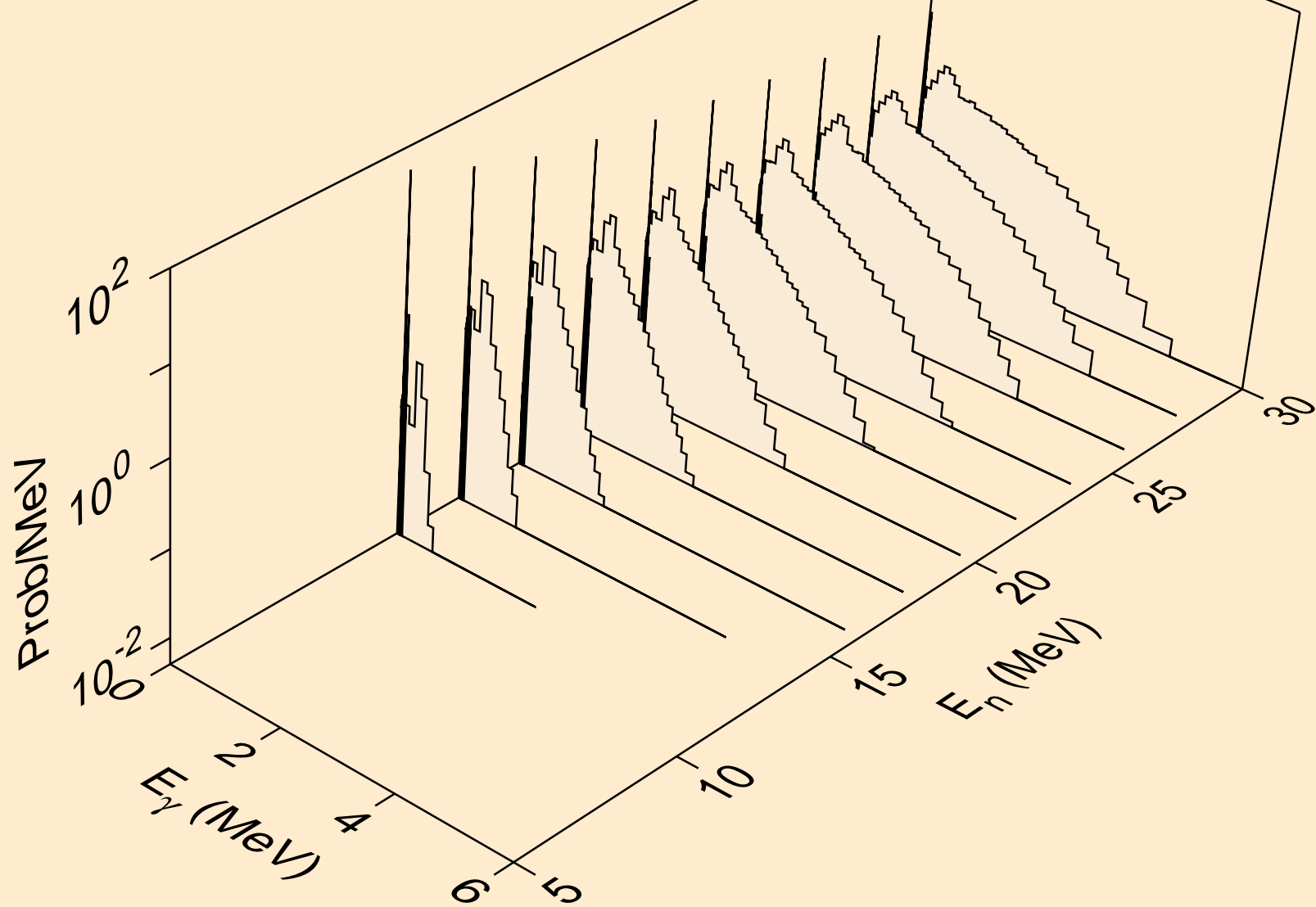
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



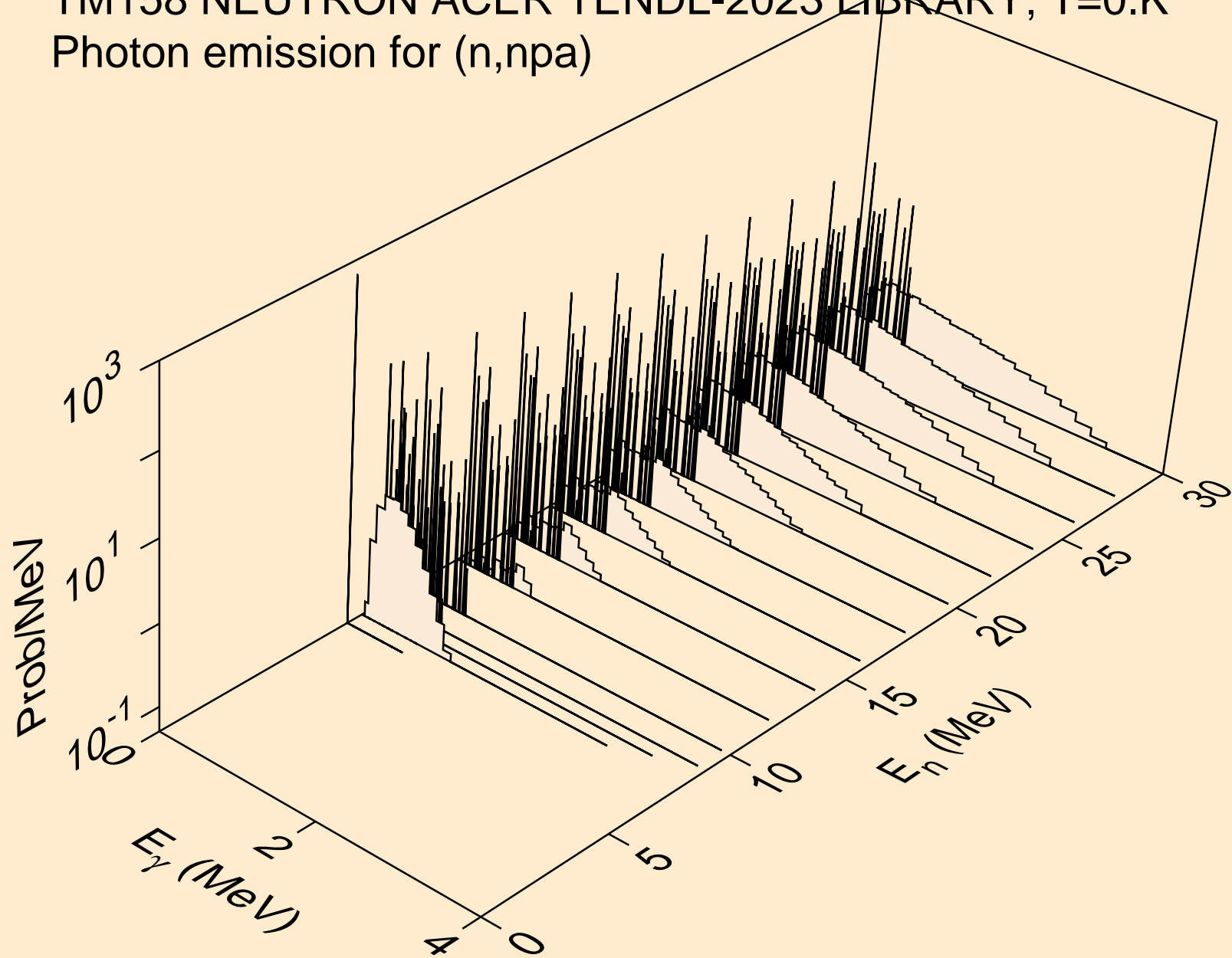
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



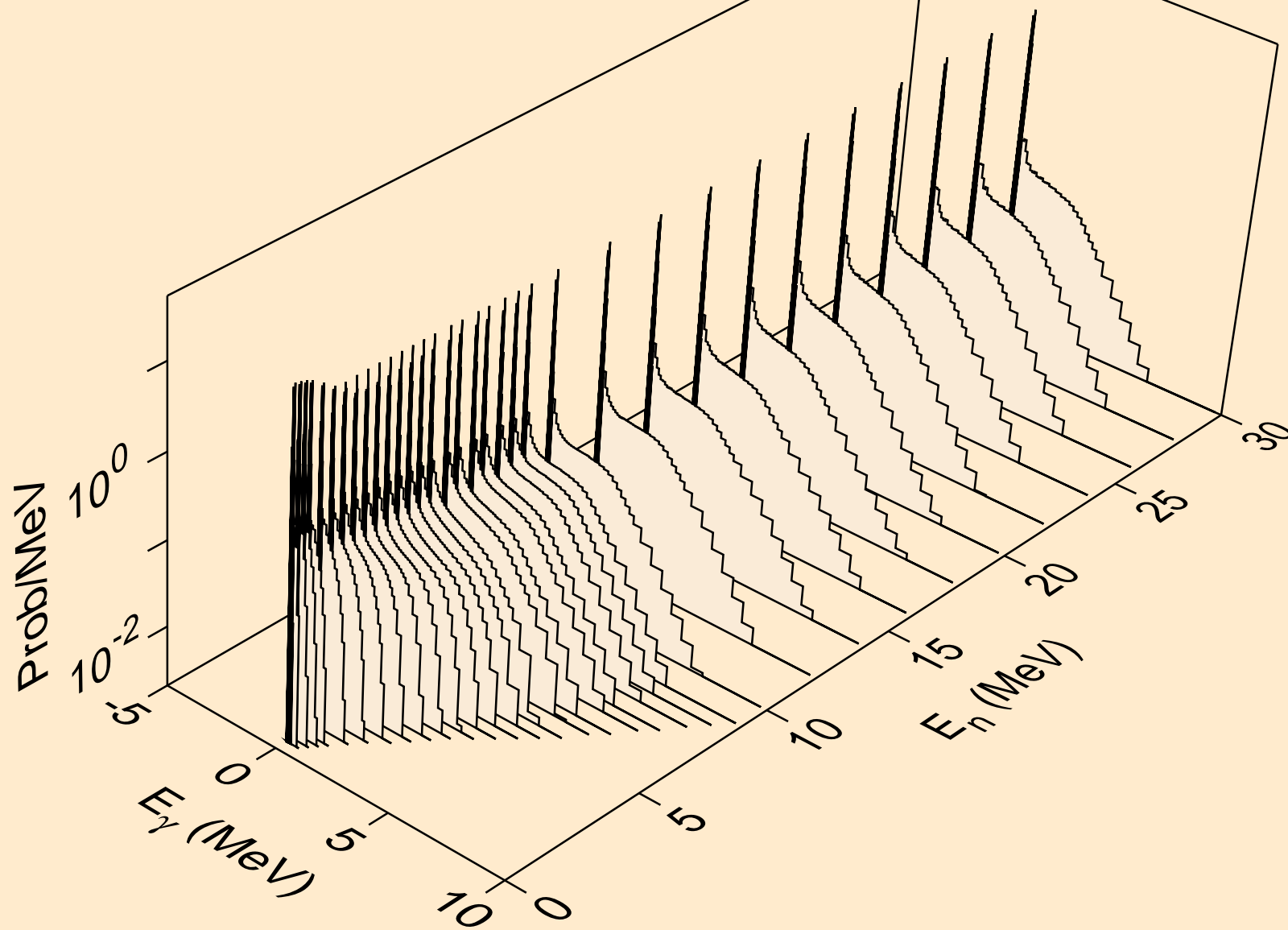
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



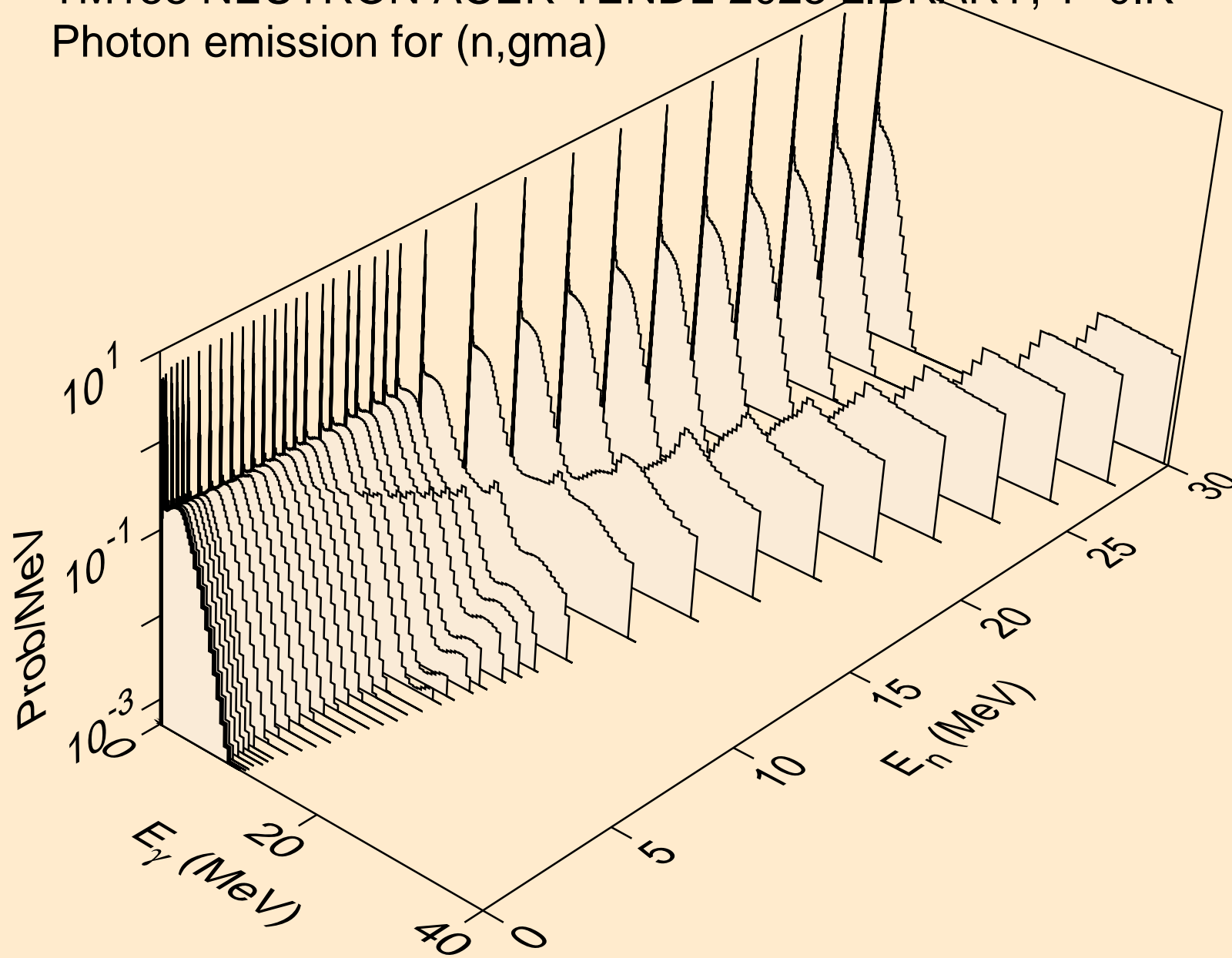
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)

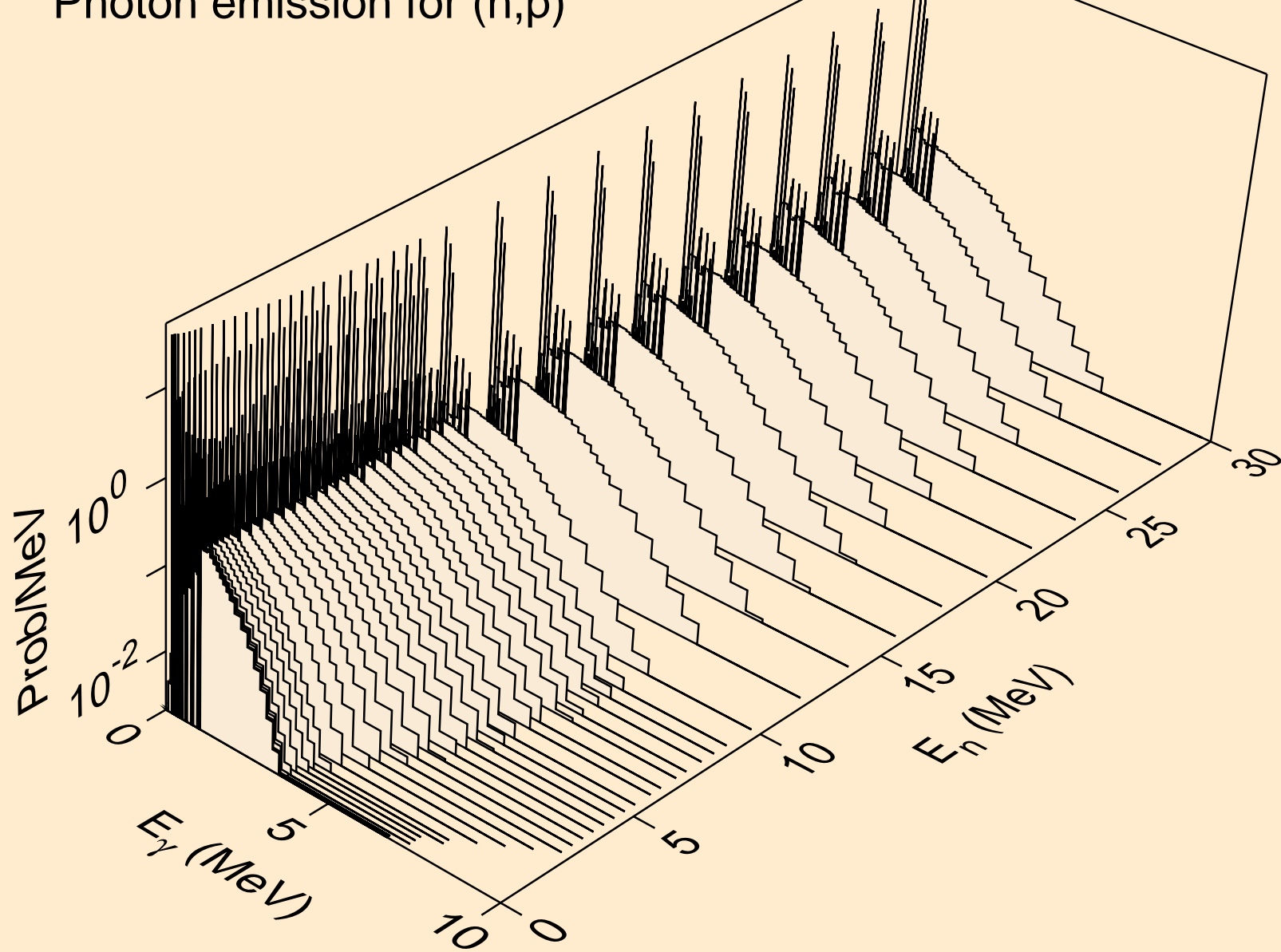


TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)

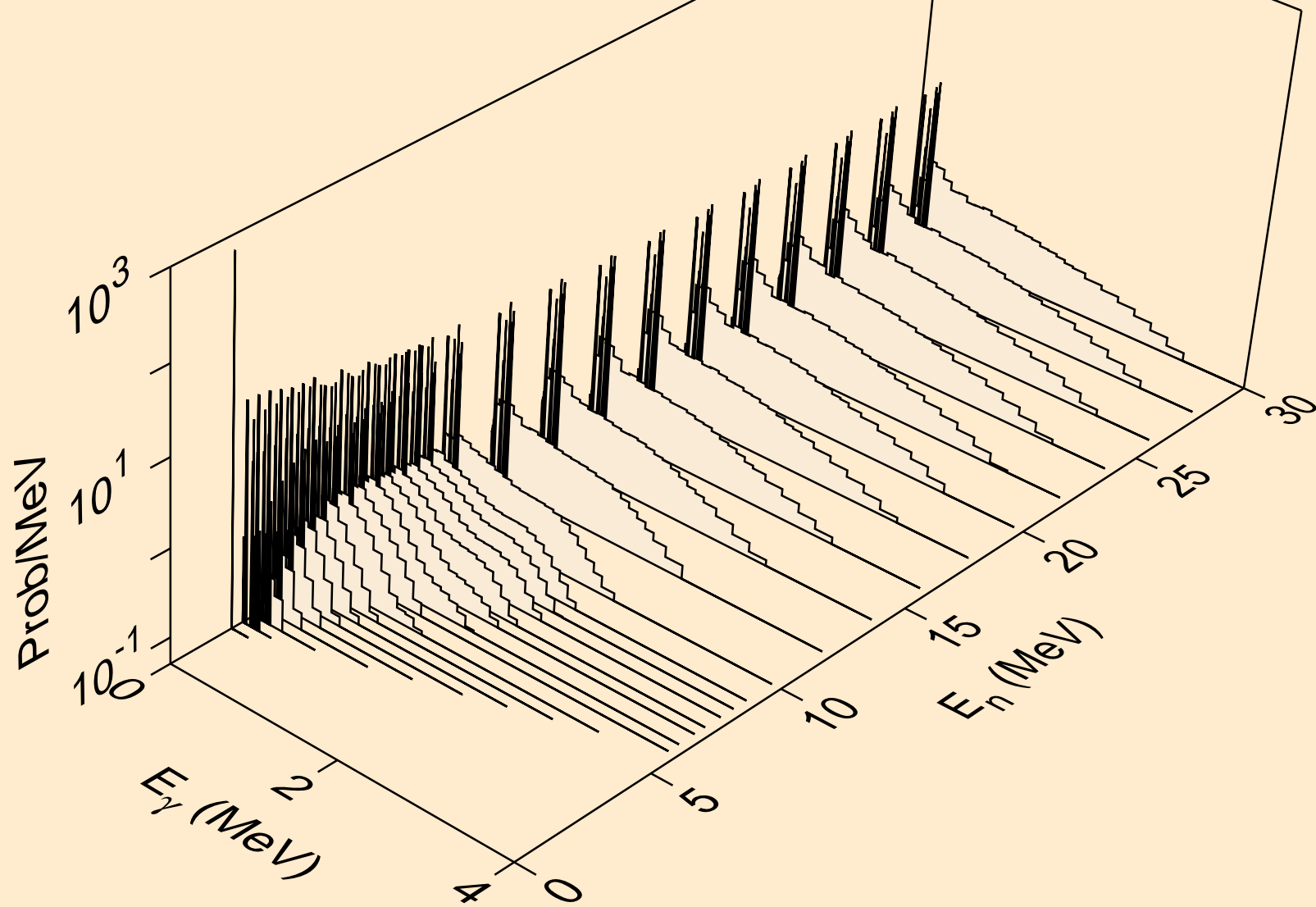




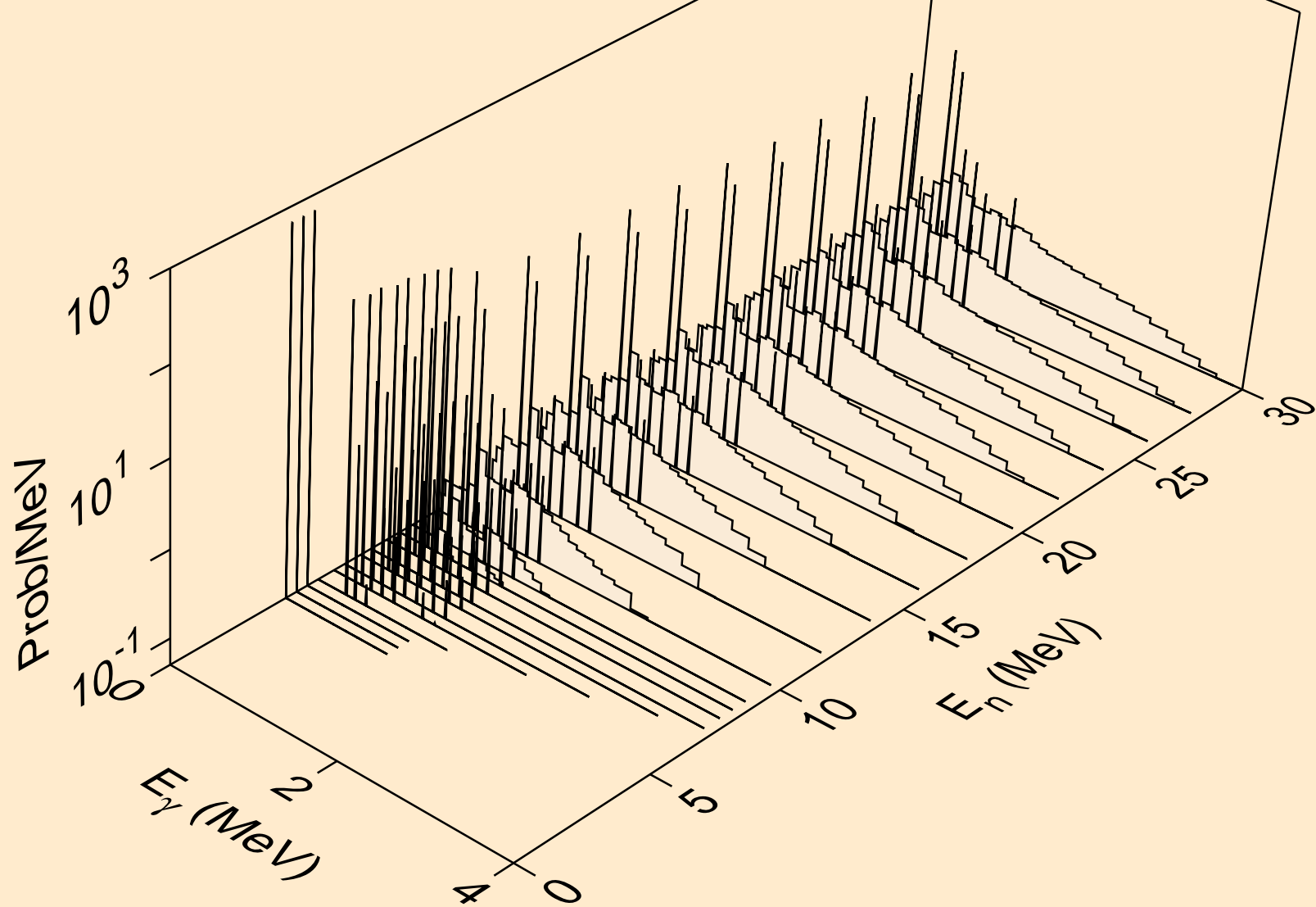
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



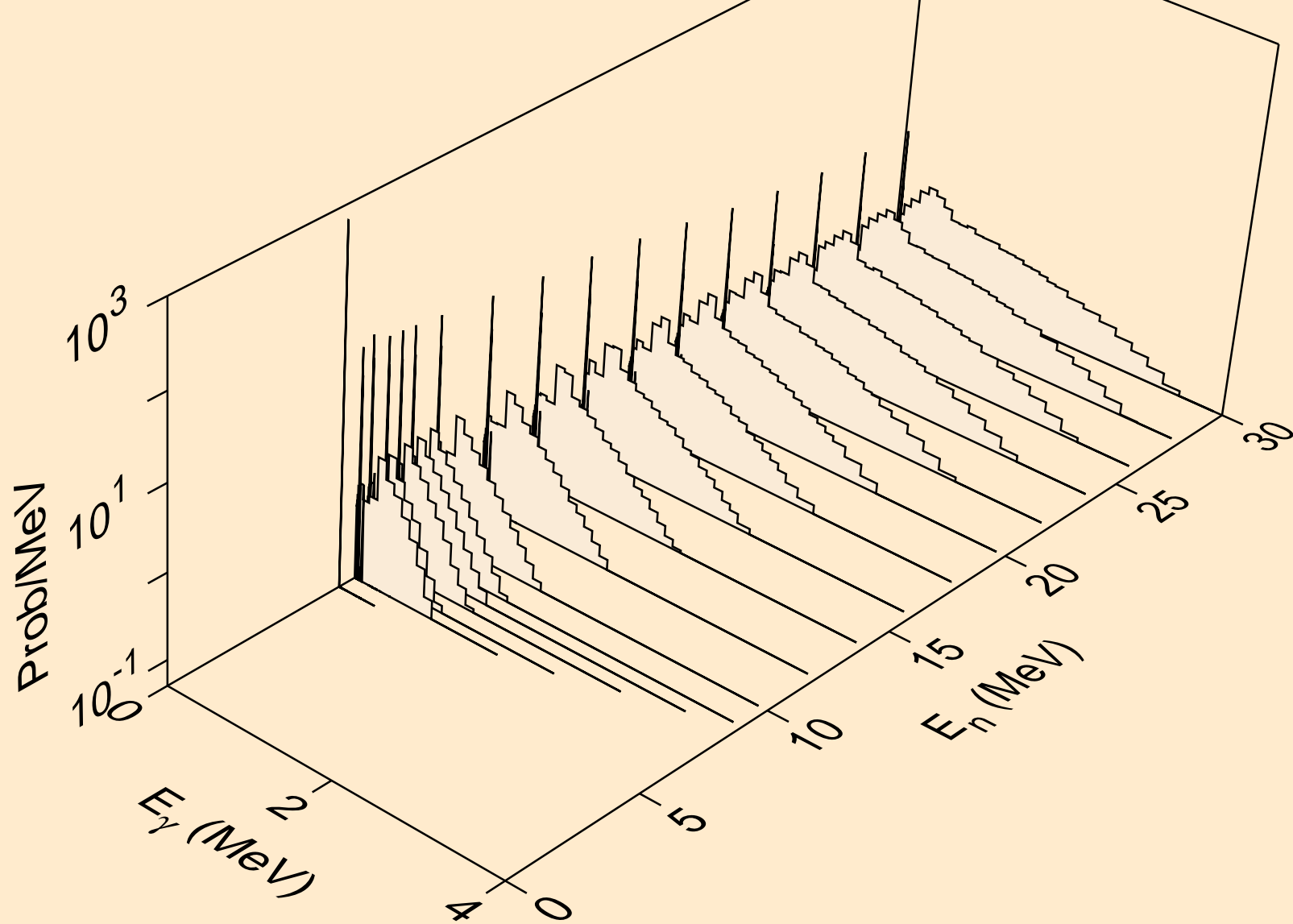
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



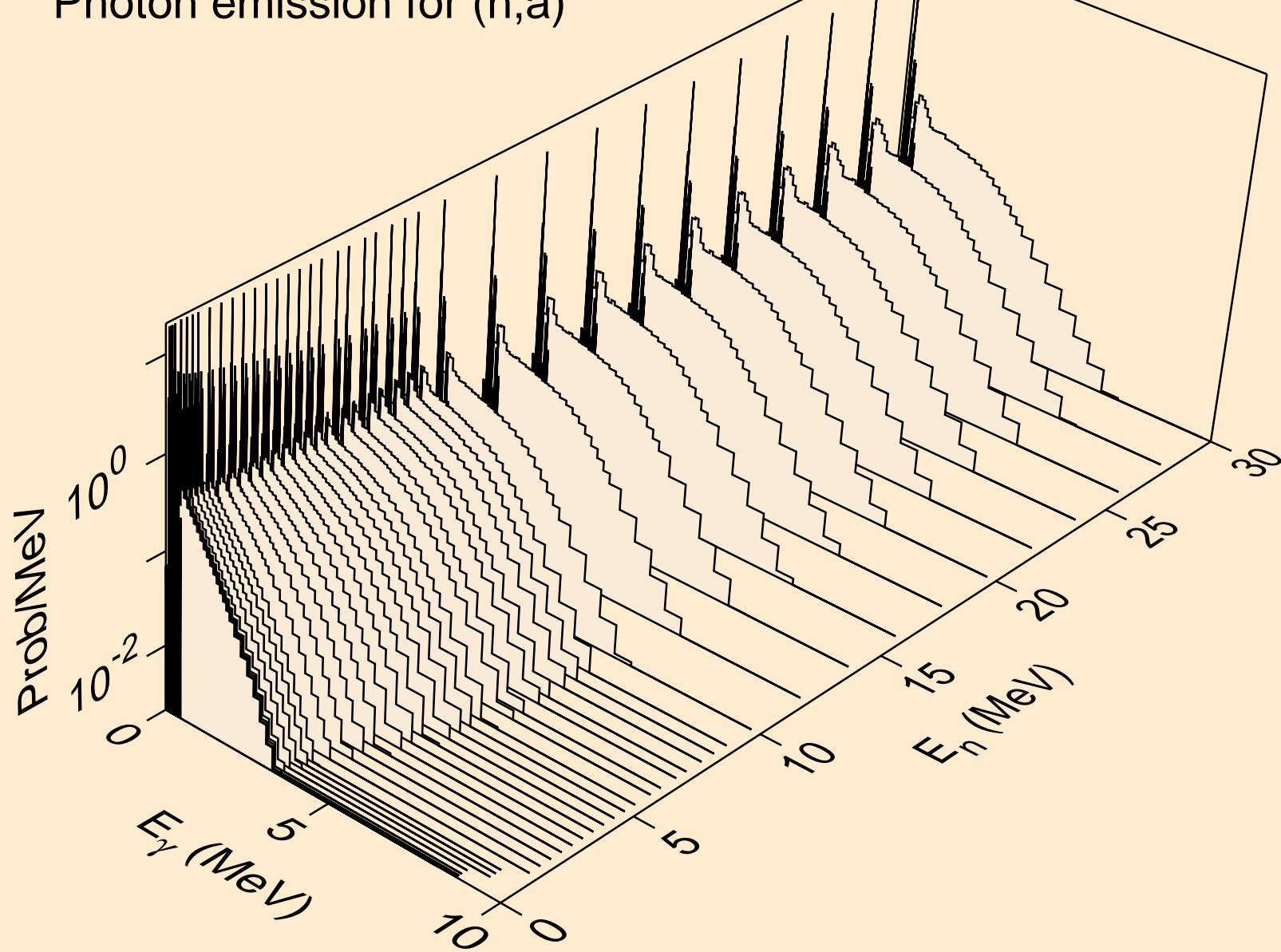
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



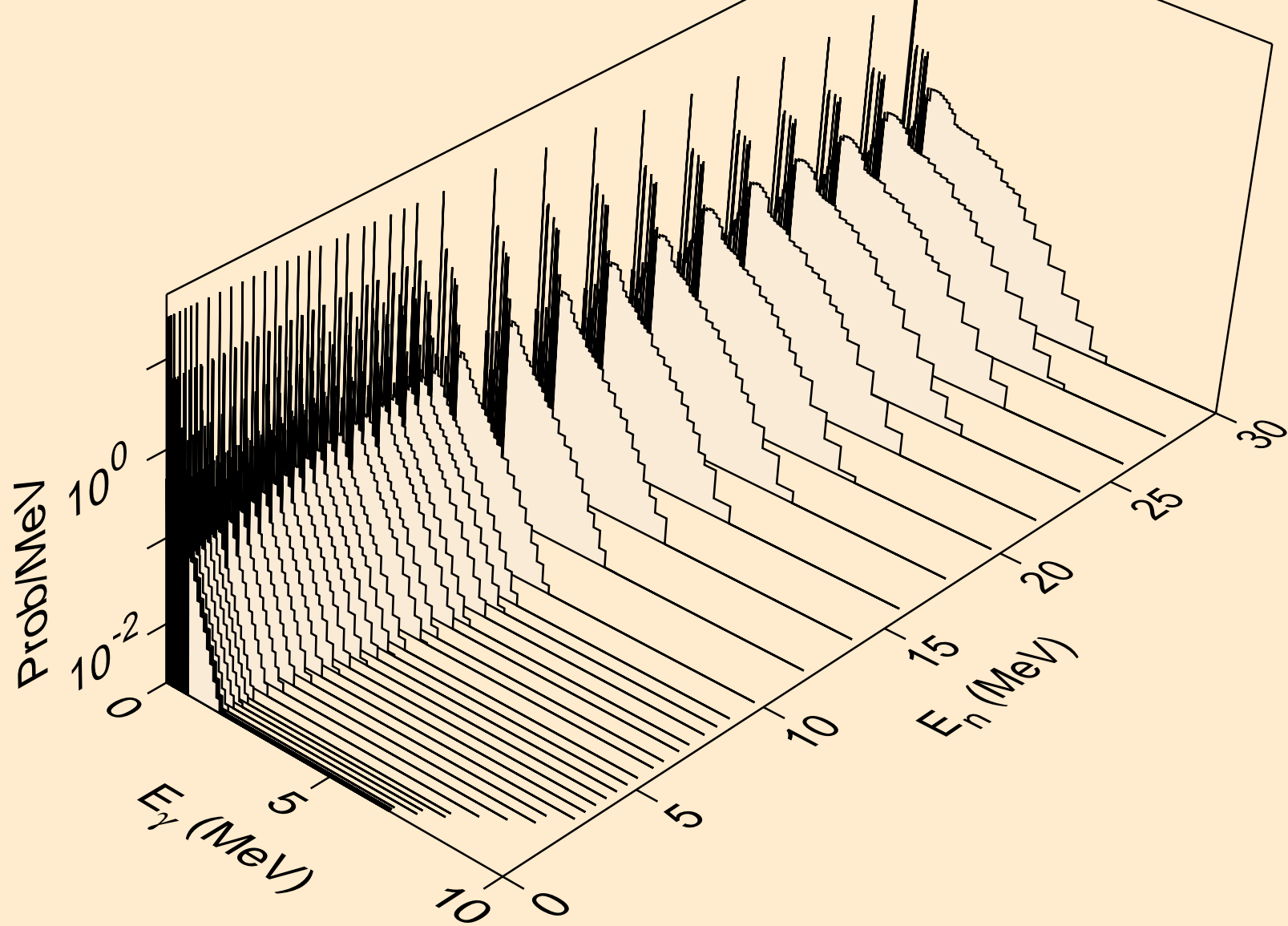
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



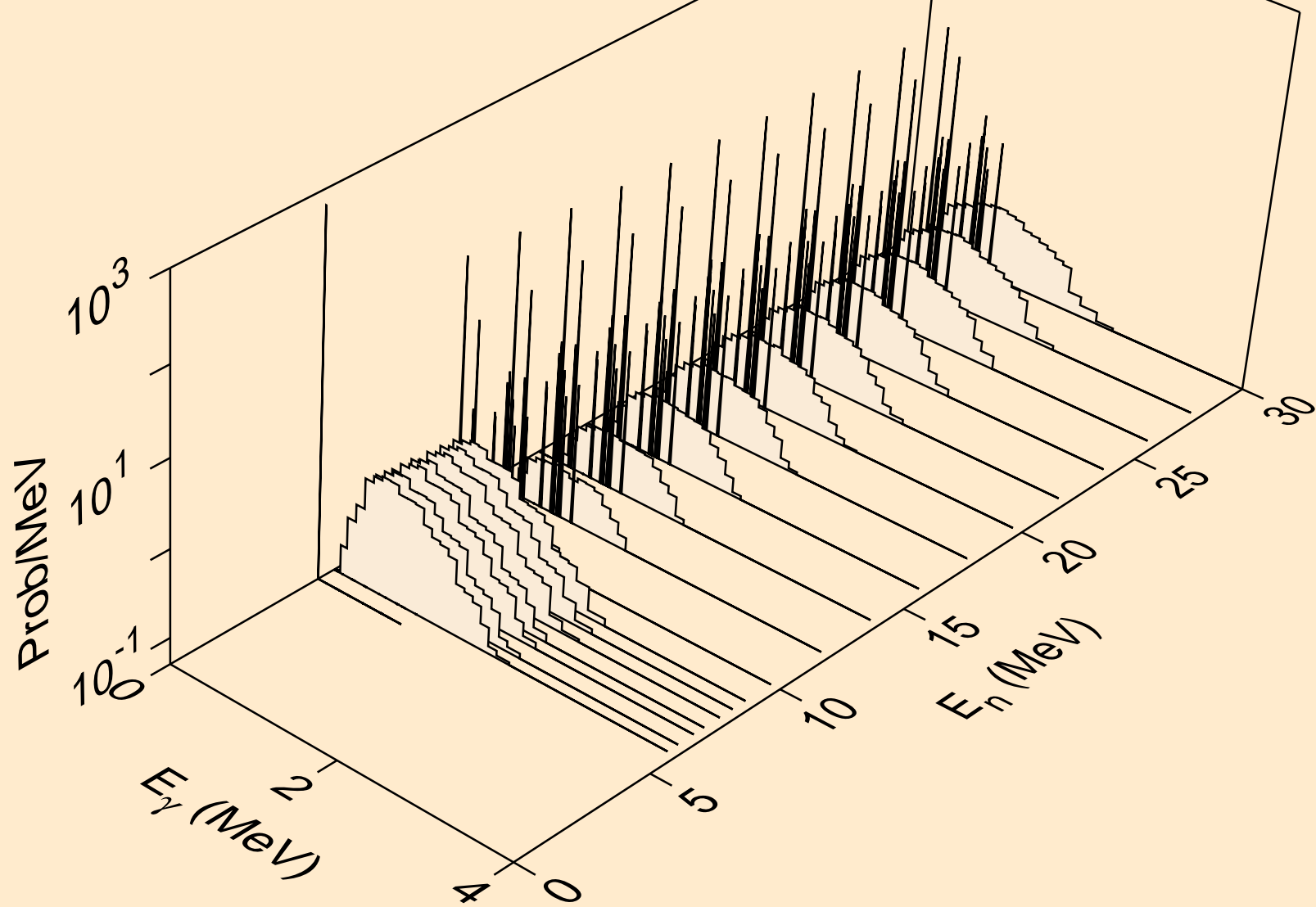
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



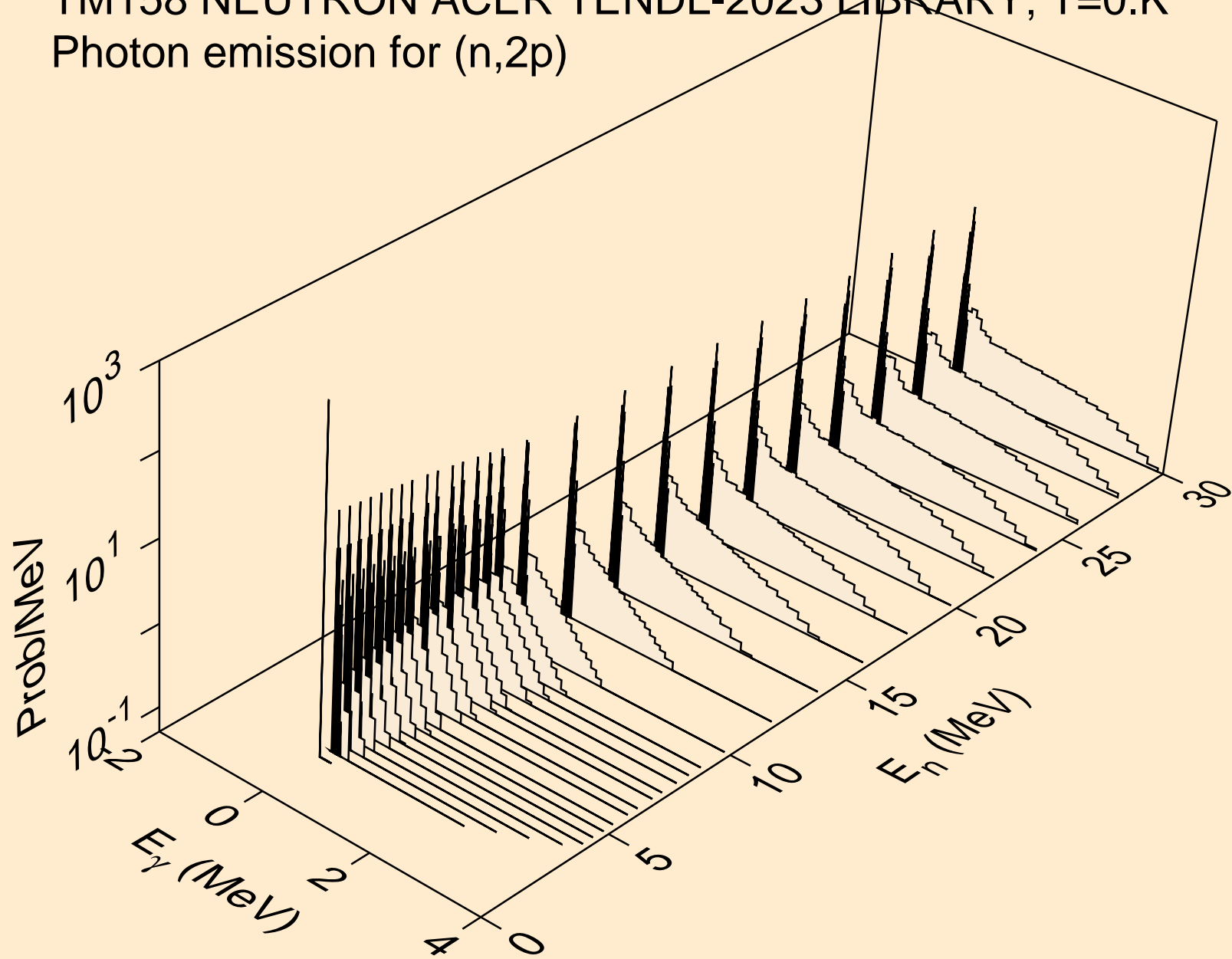
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3a)

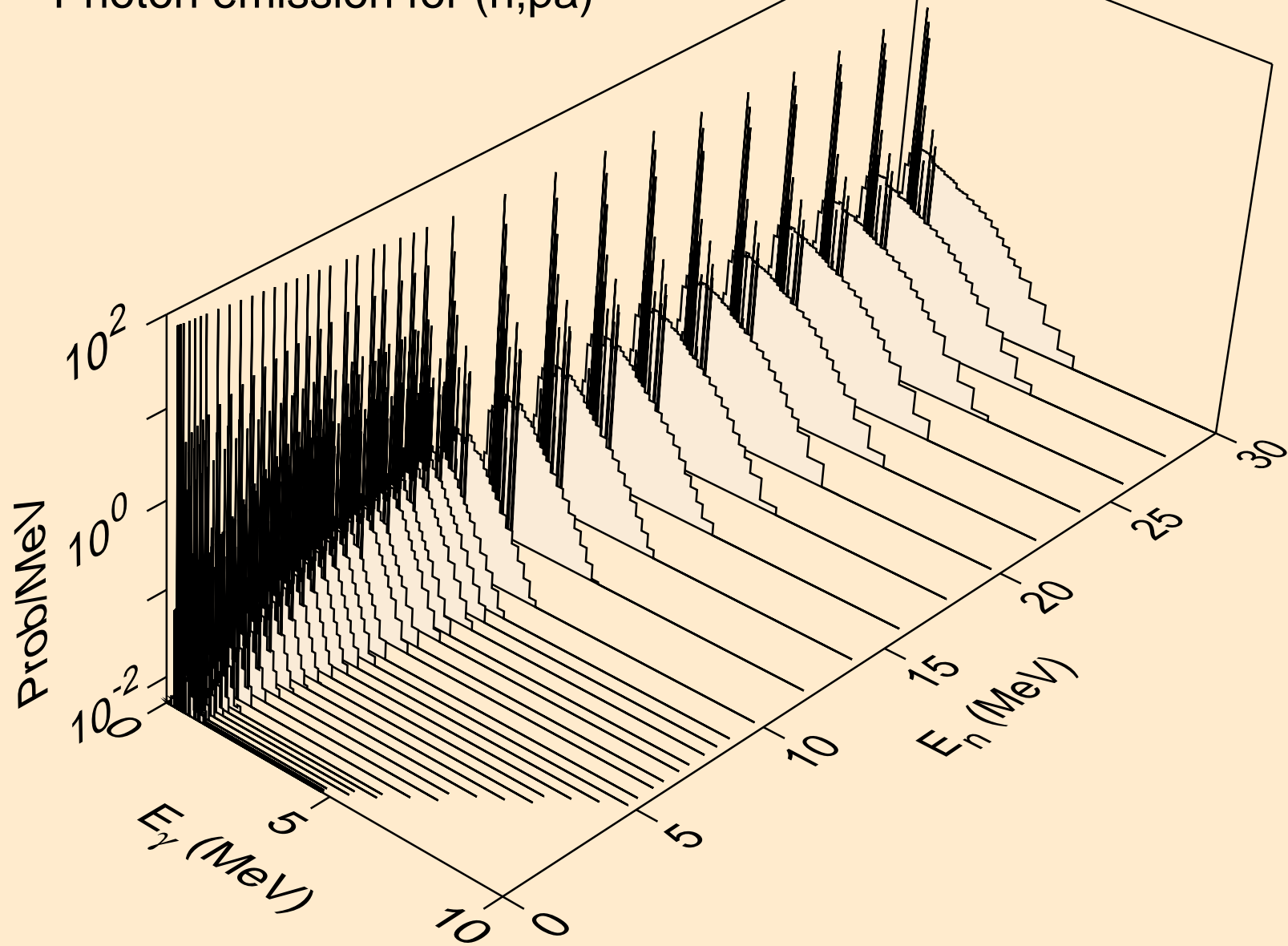


TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)

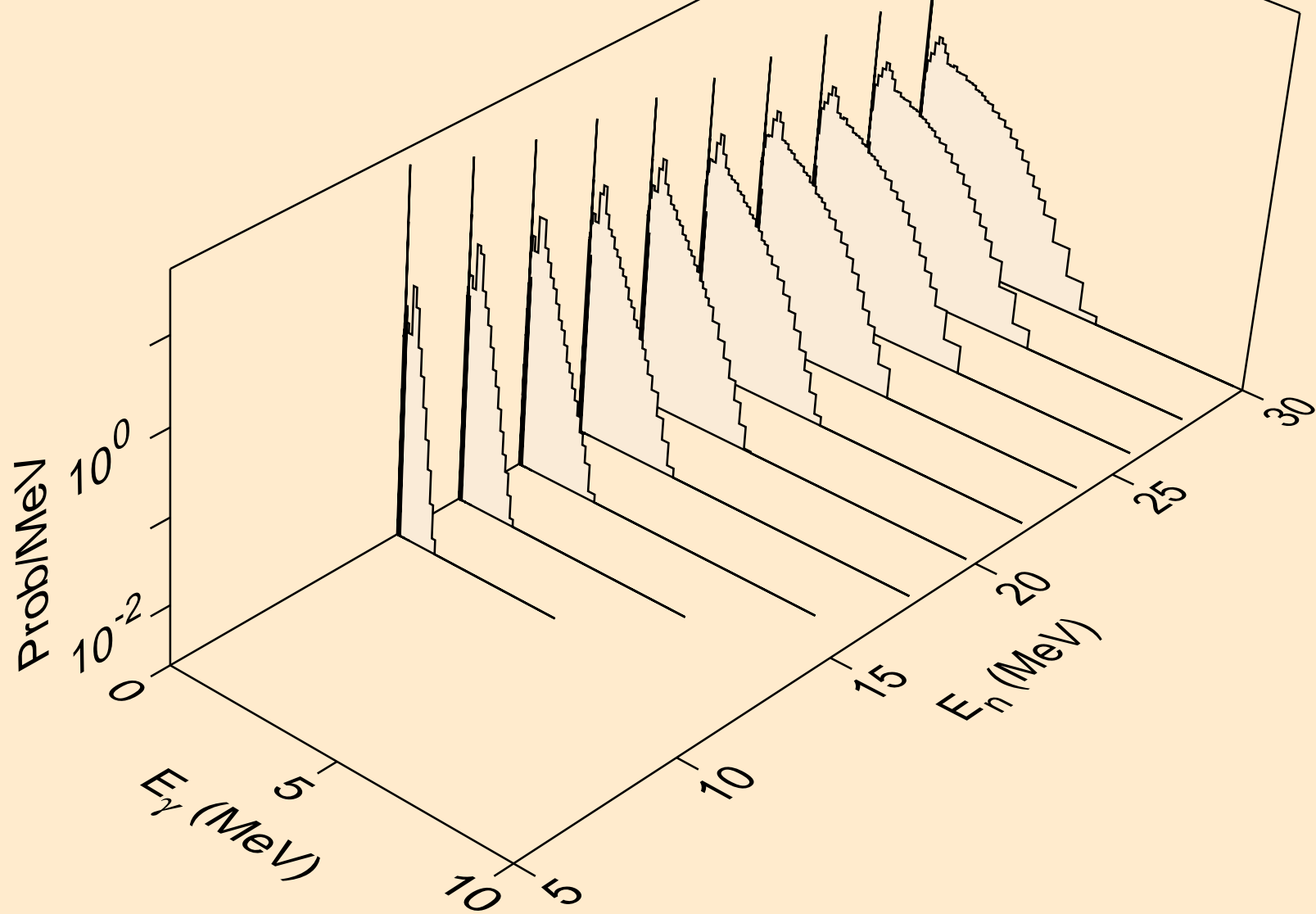




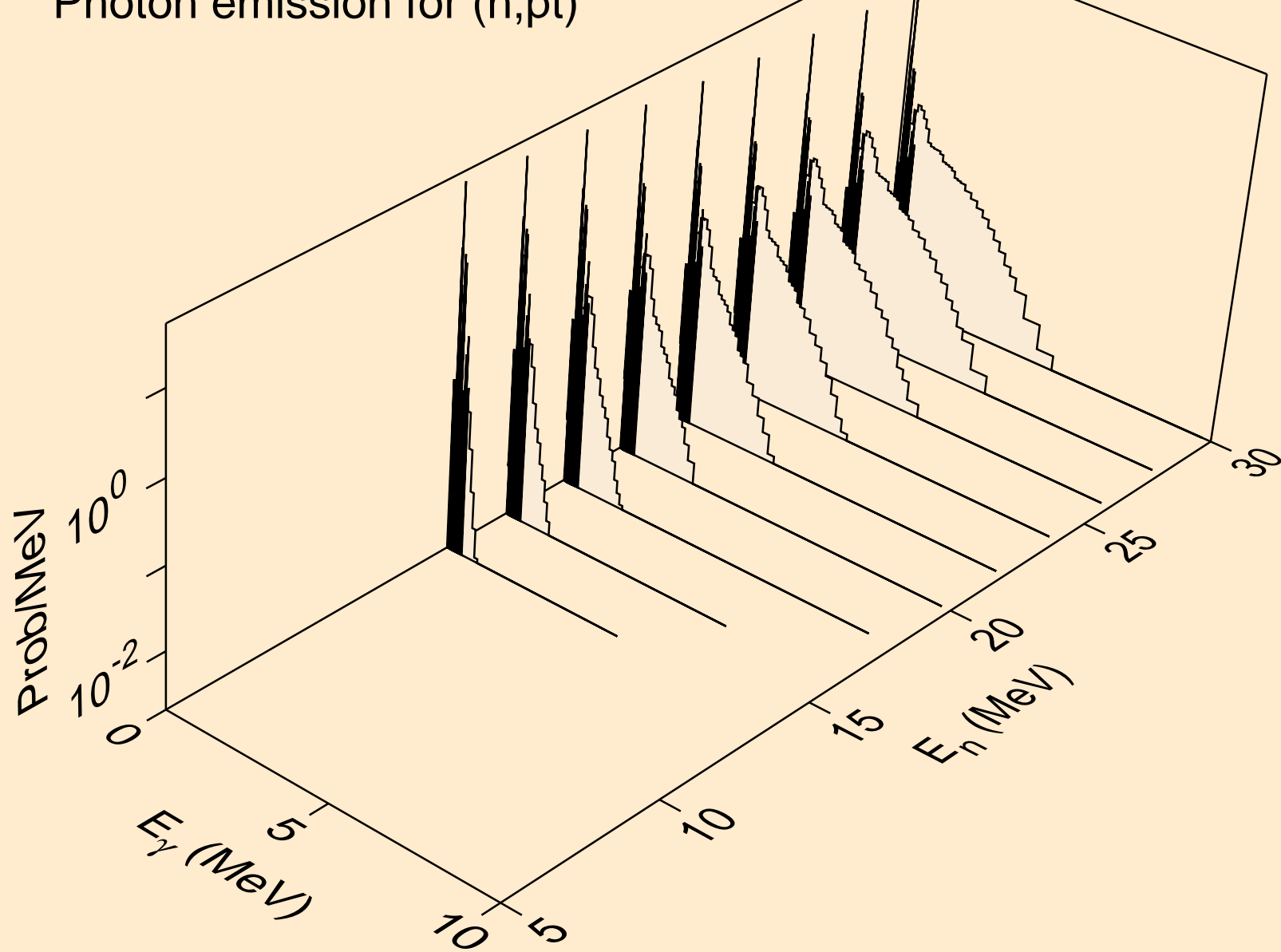
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



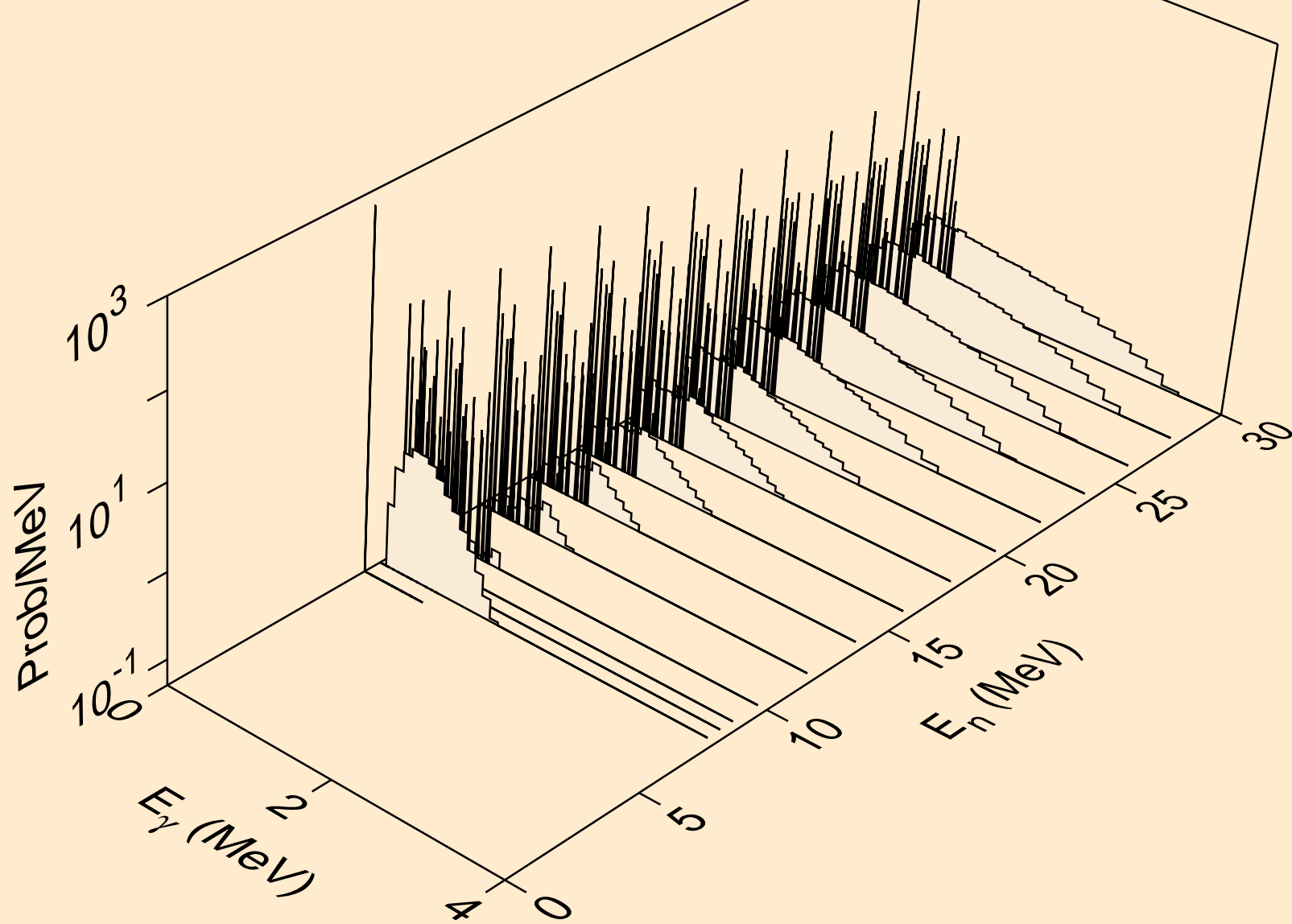
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



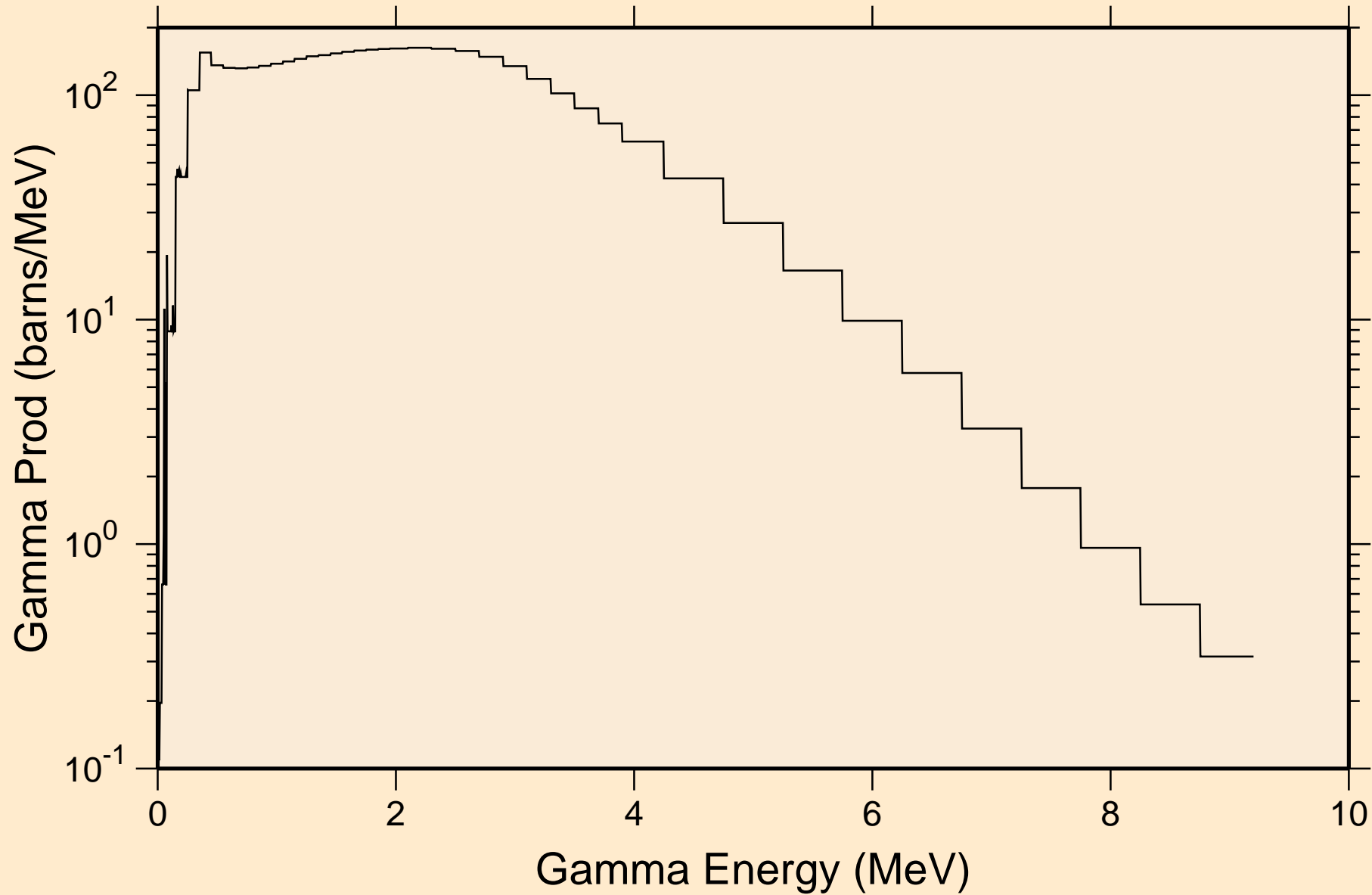
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



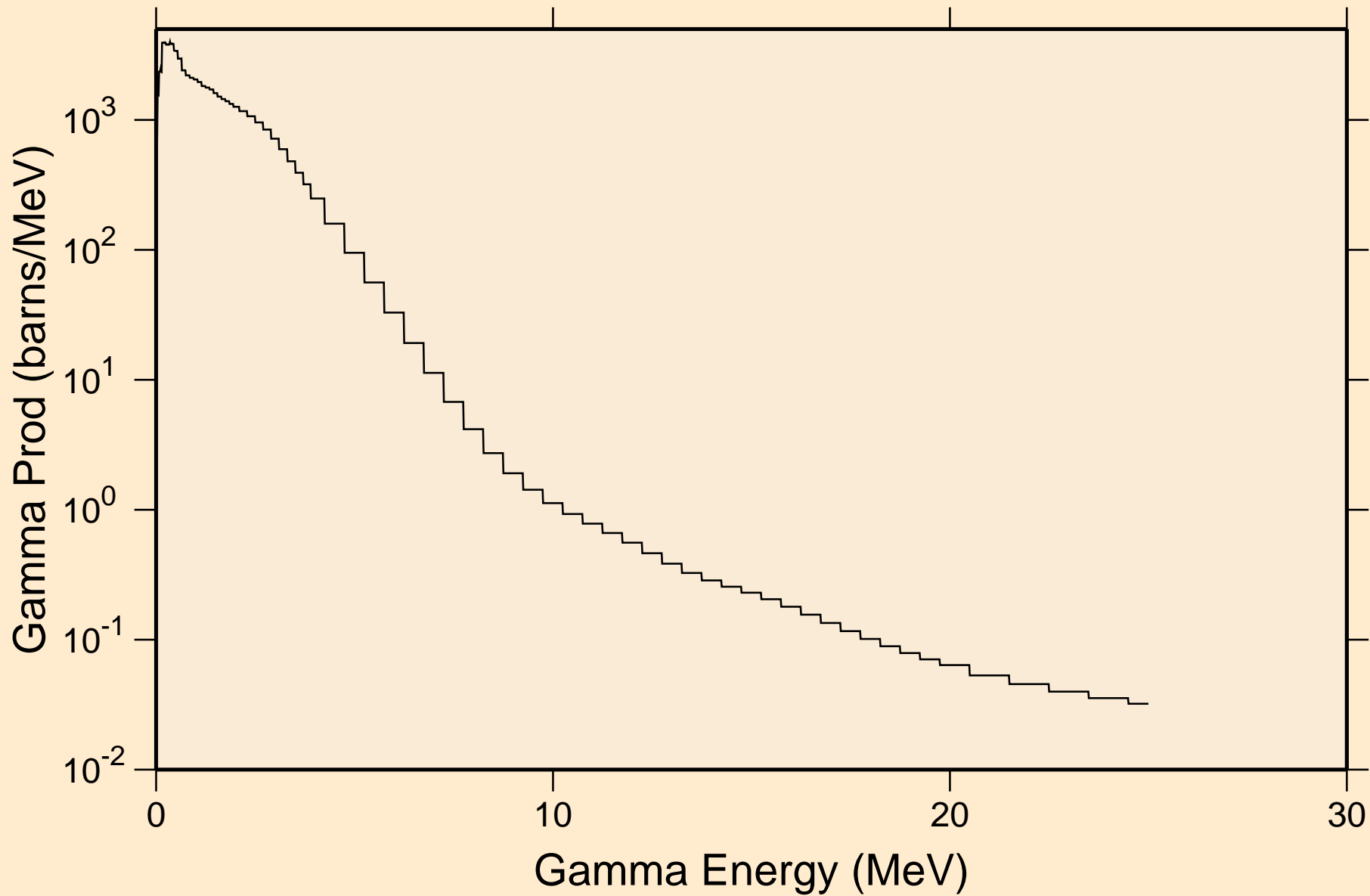
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

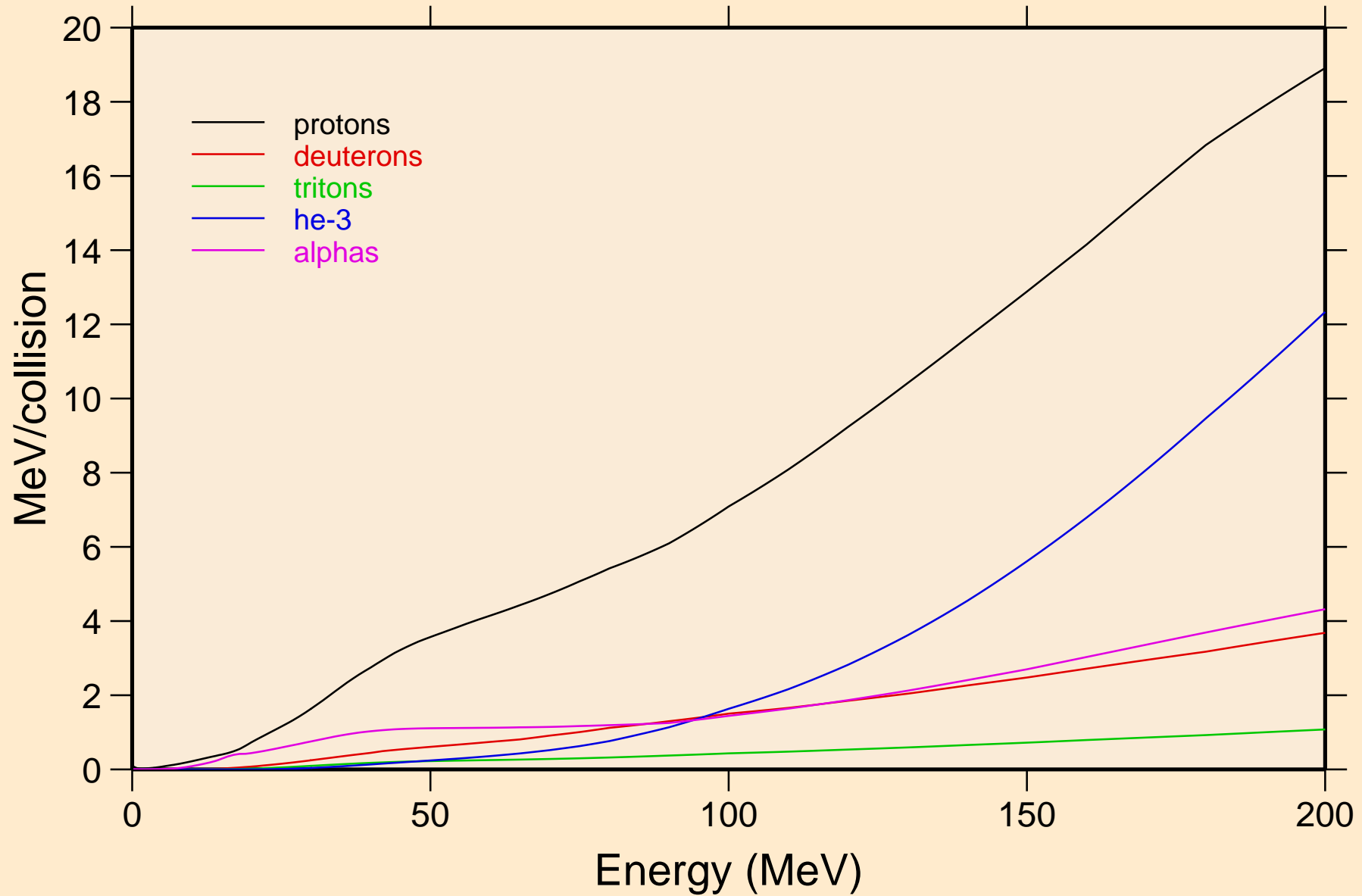


TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

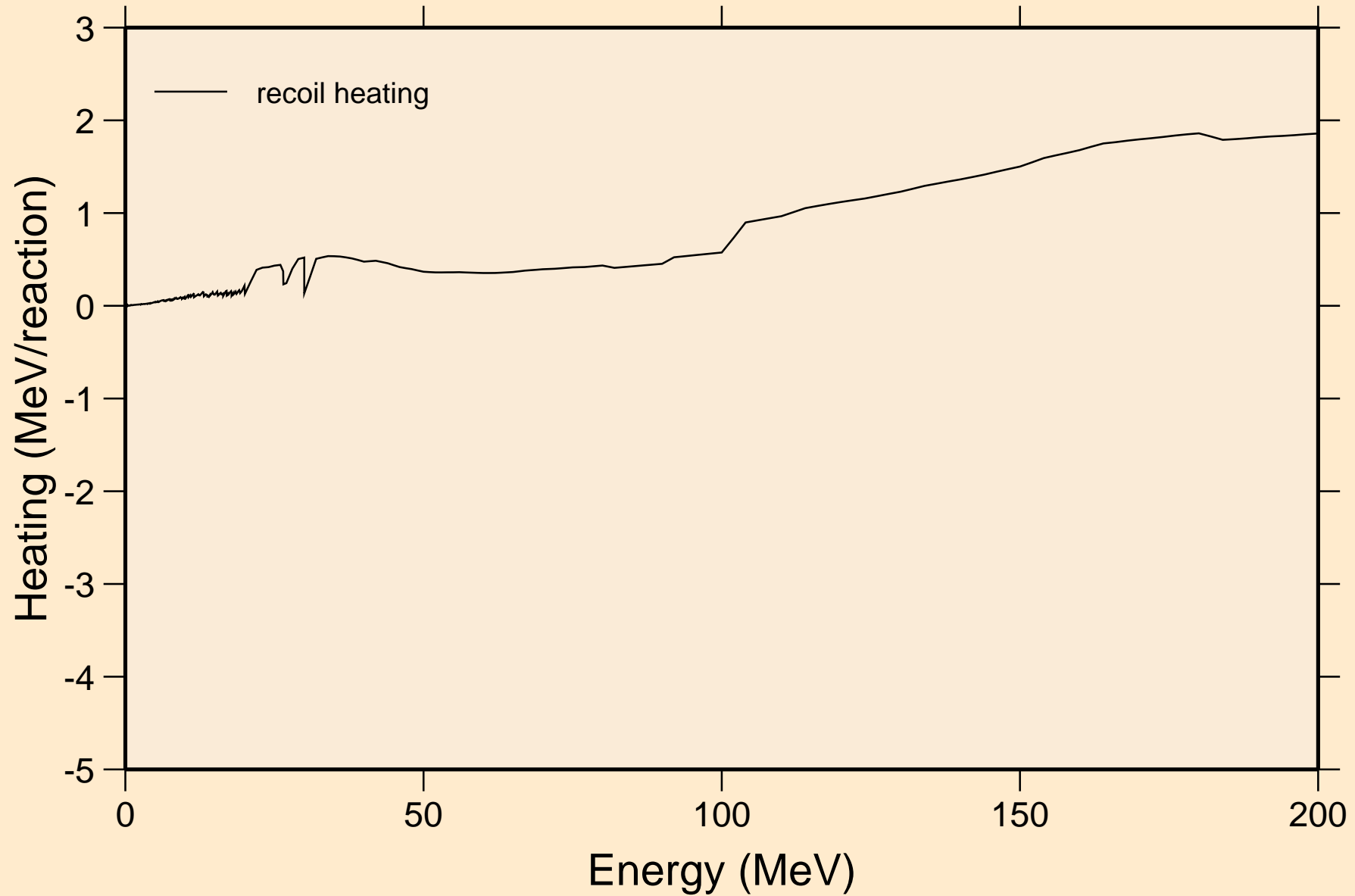


# TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions



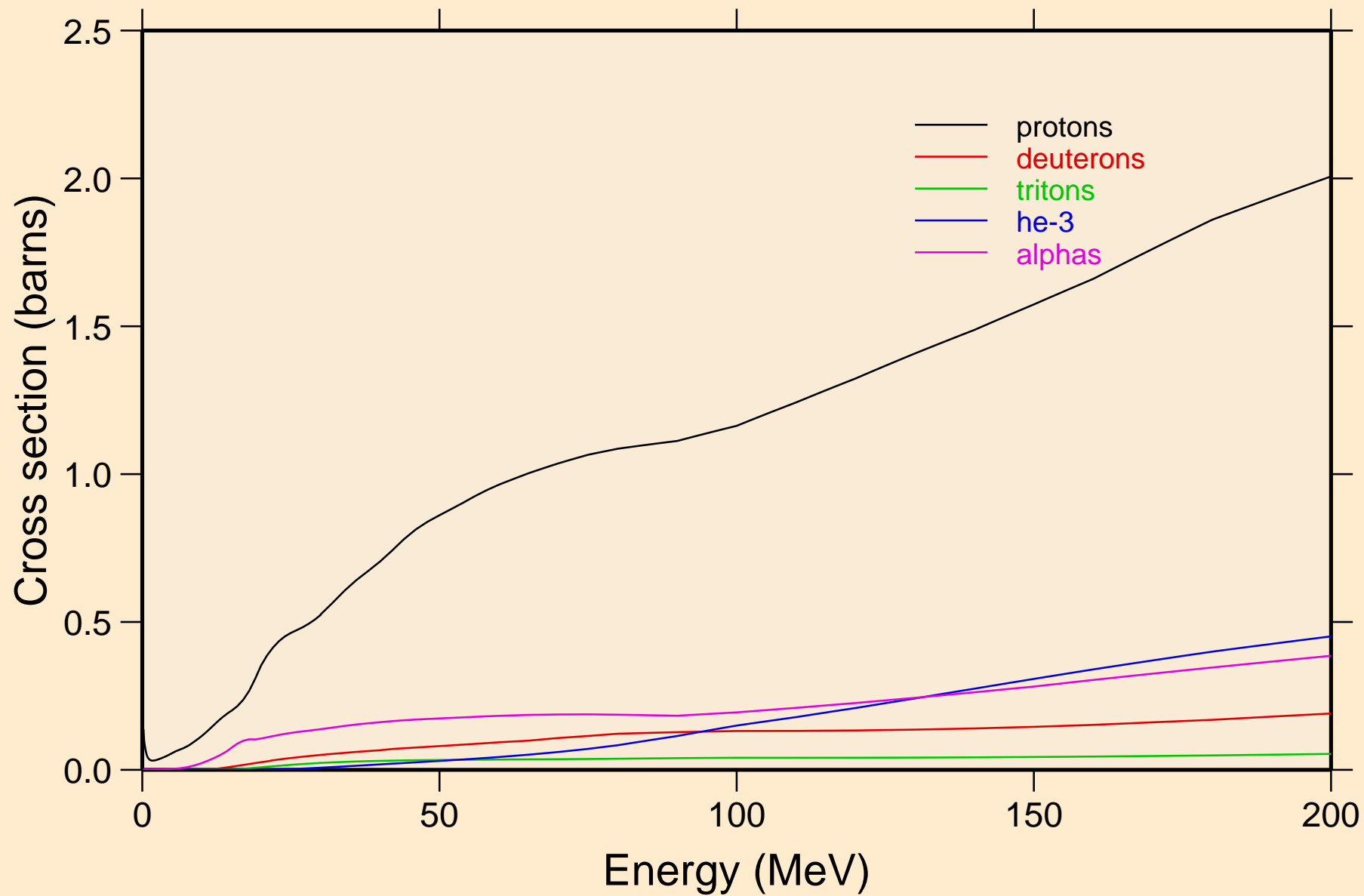
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



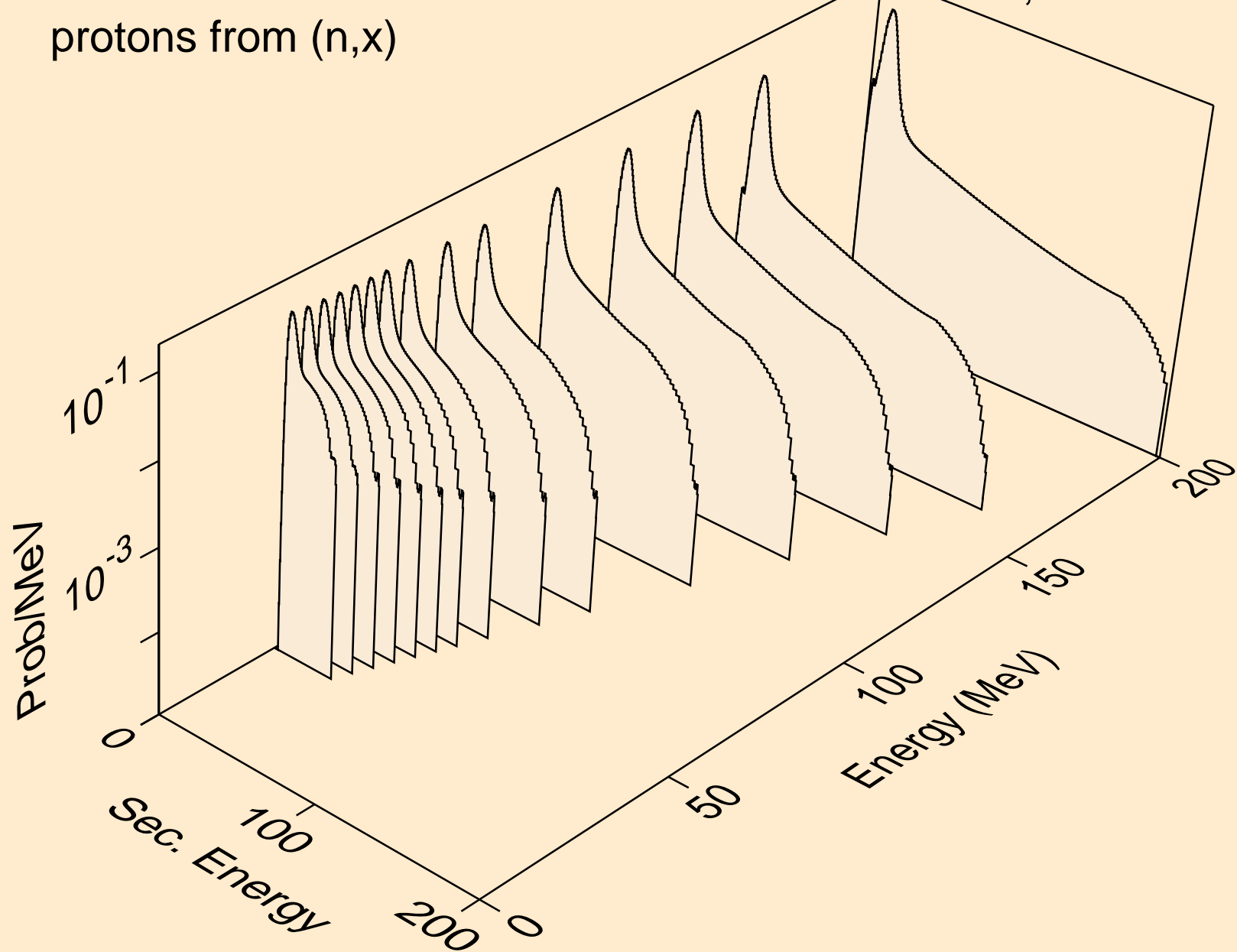


# TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

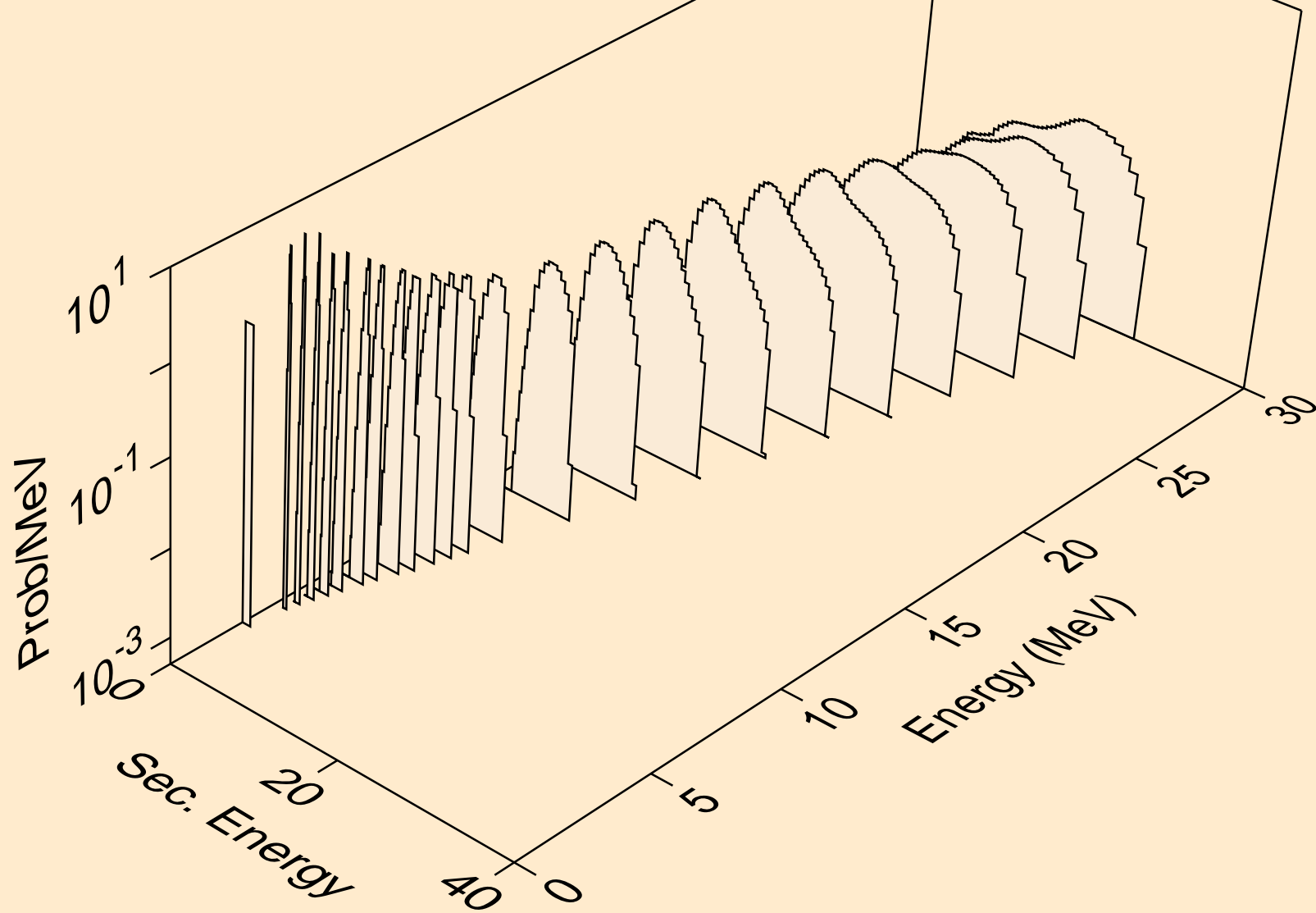
## Particle production cross sections



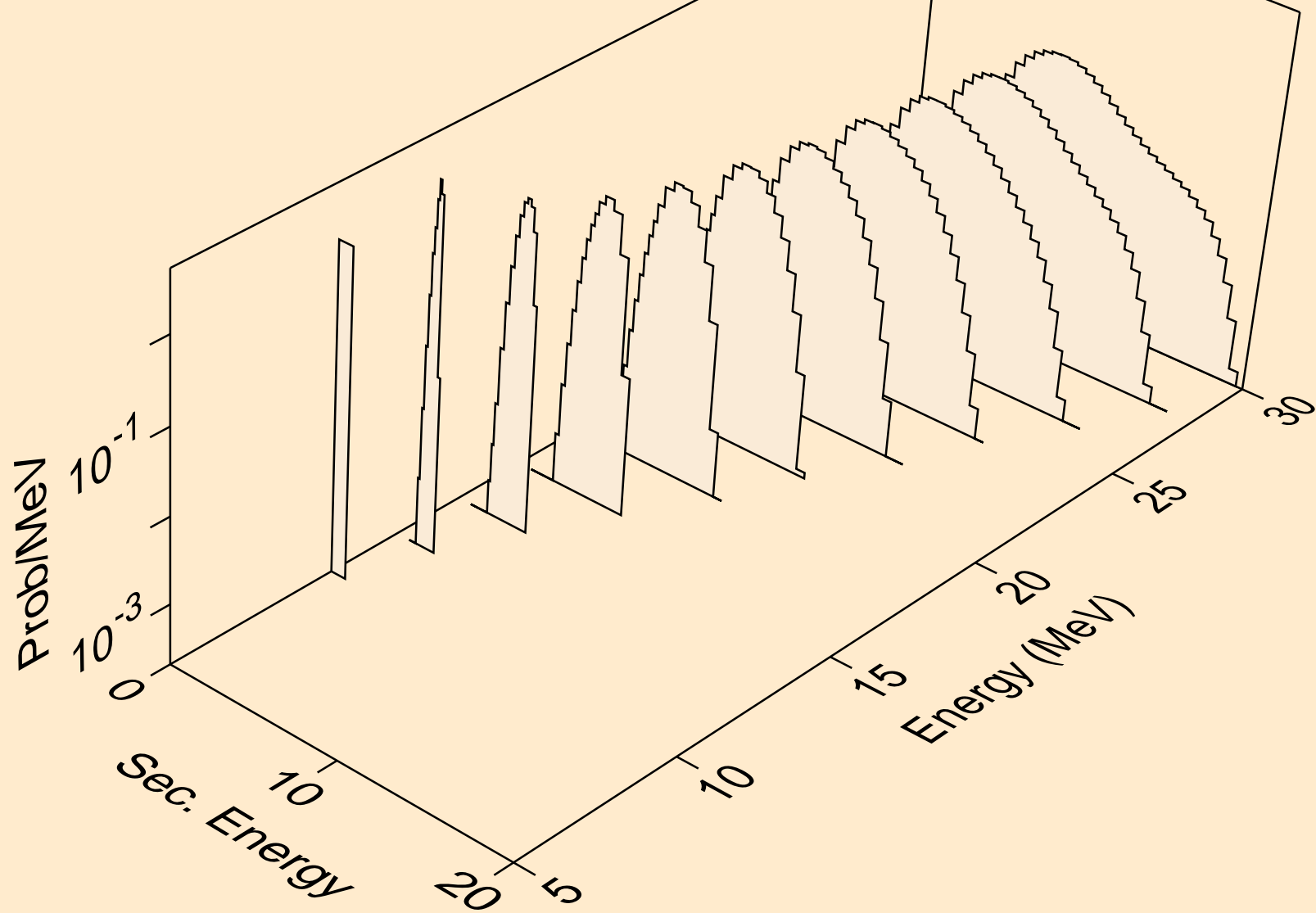
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



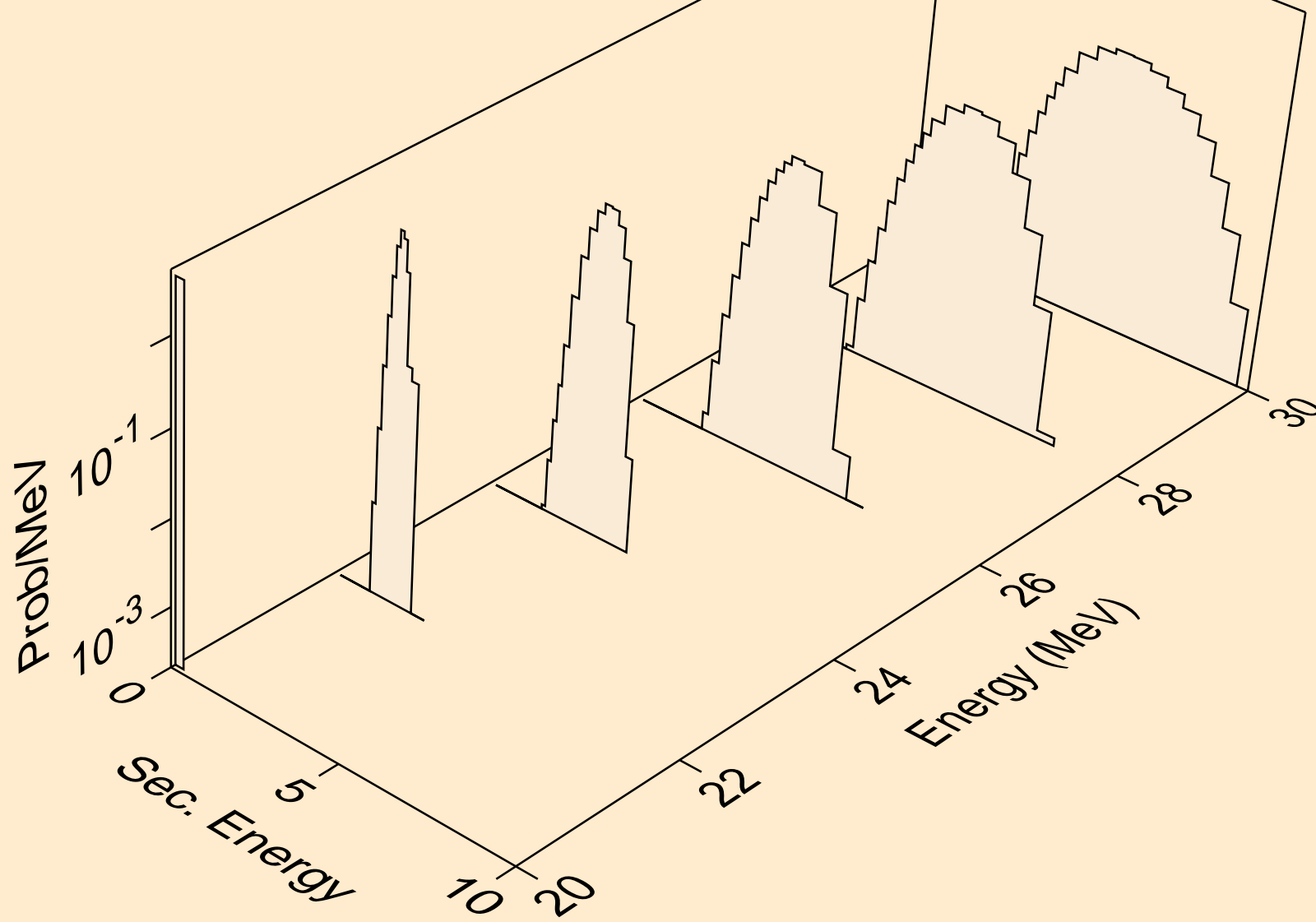
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



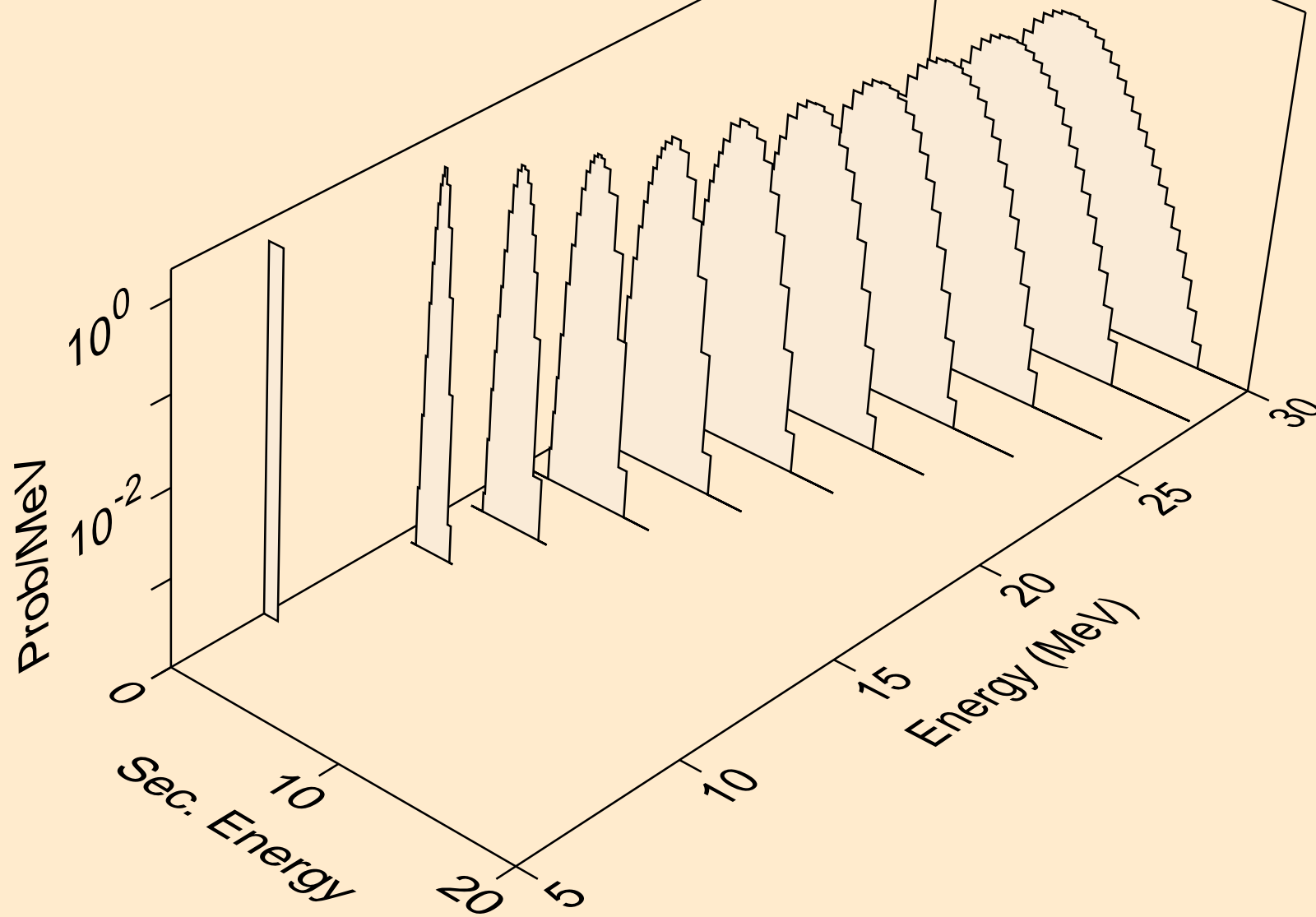
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



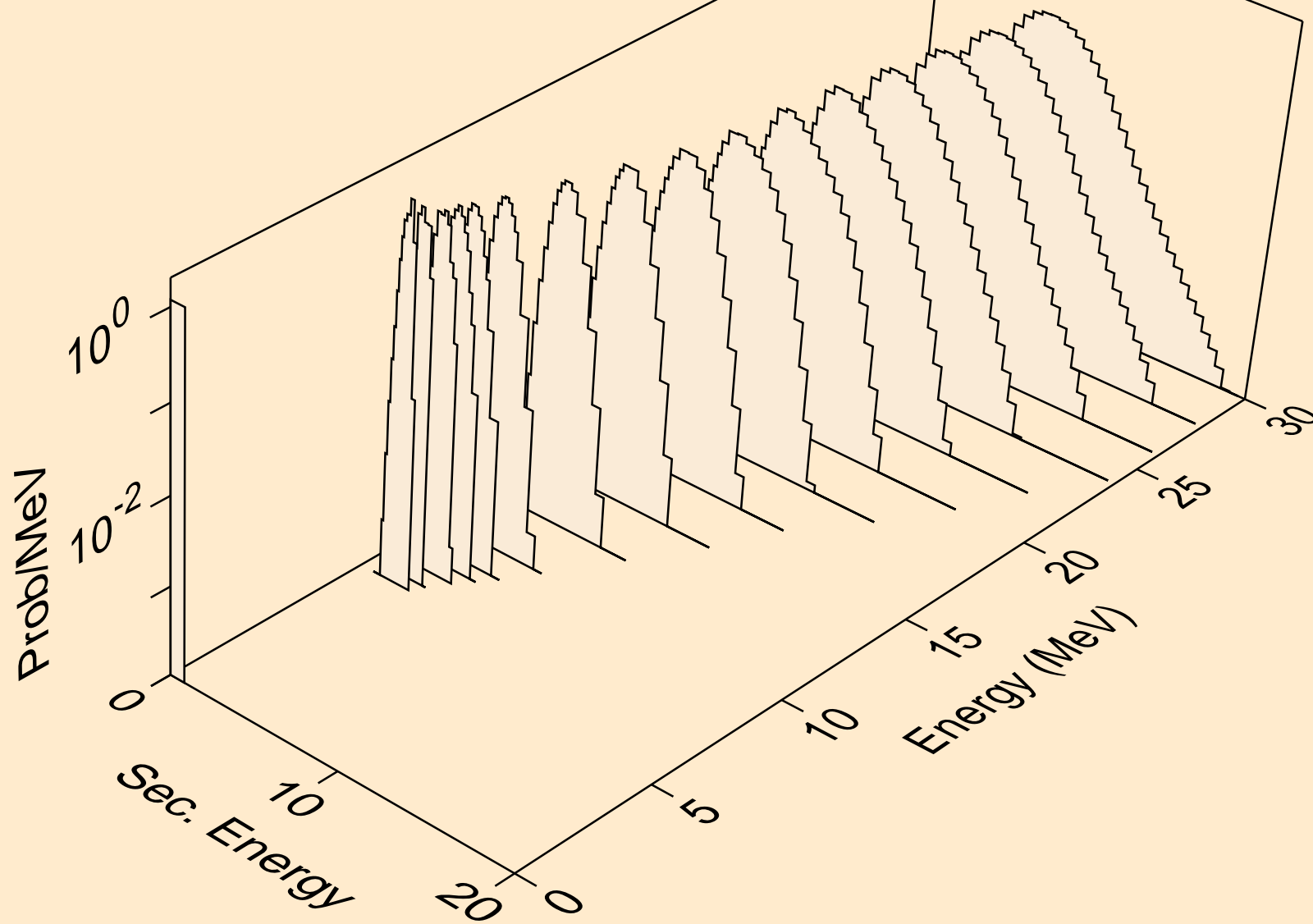
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)



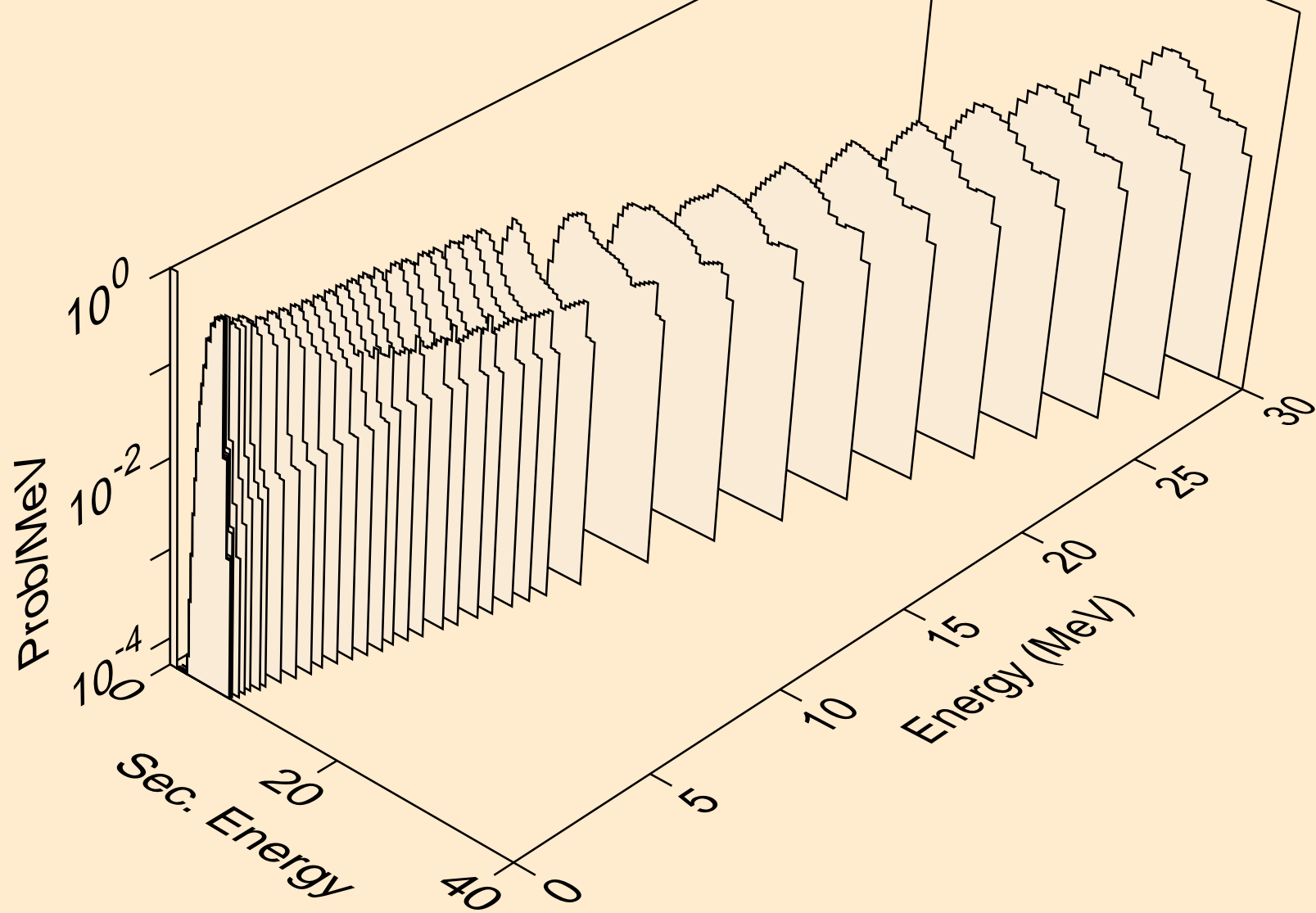
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n2p)



TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,npa)

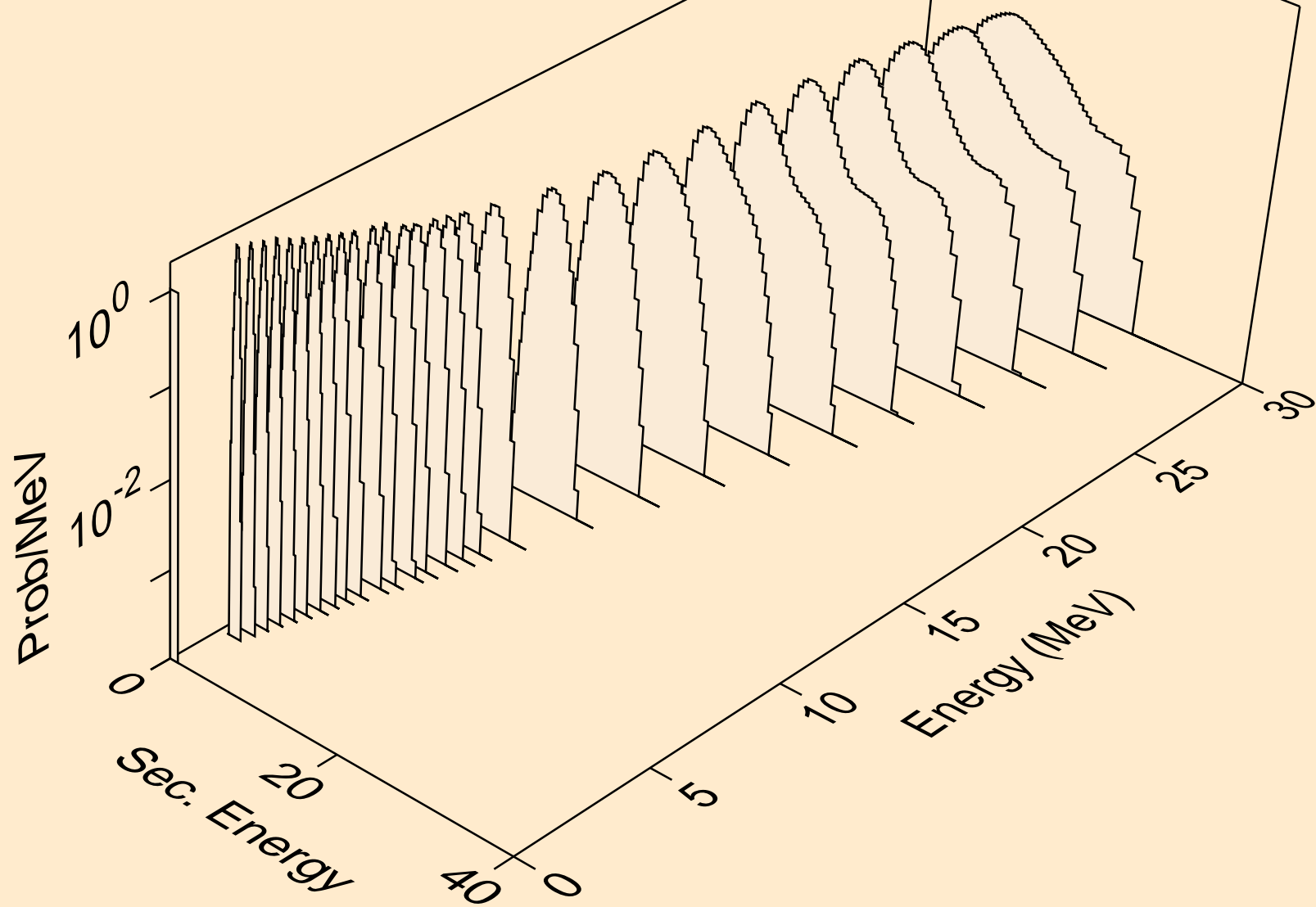


TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)

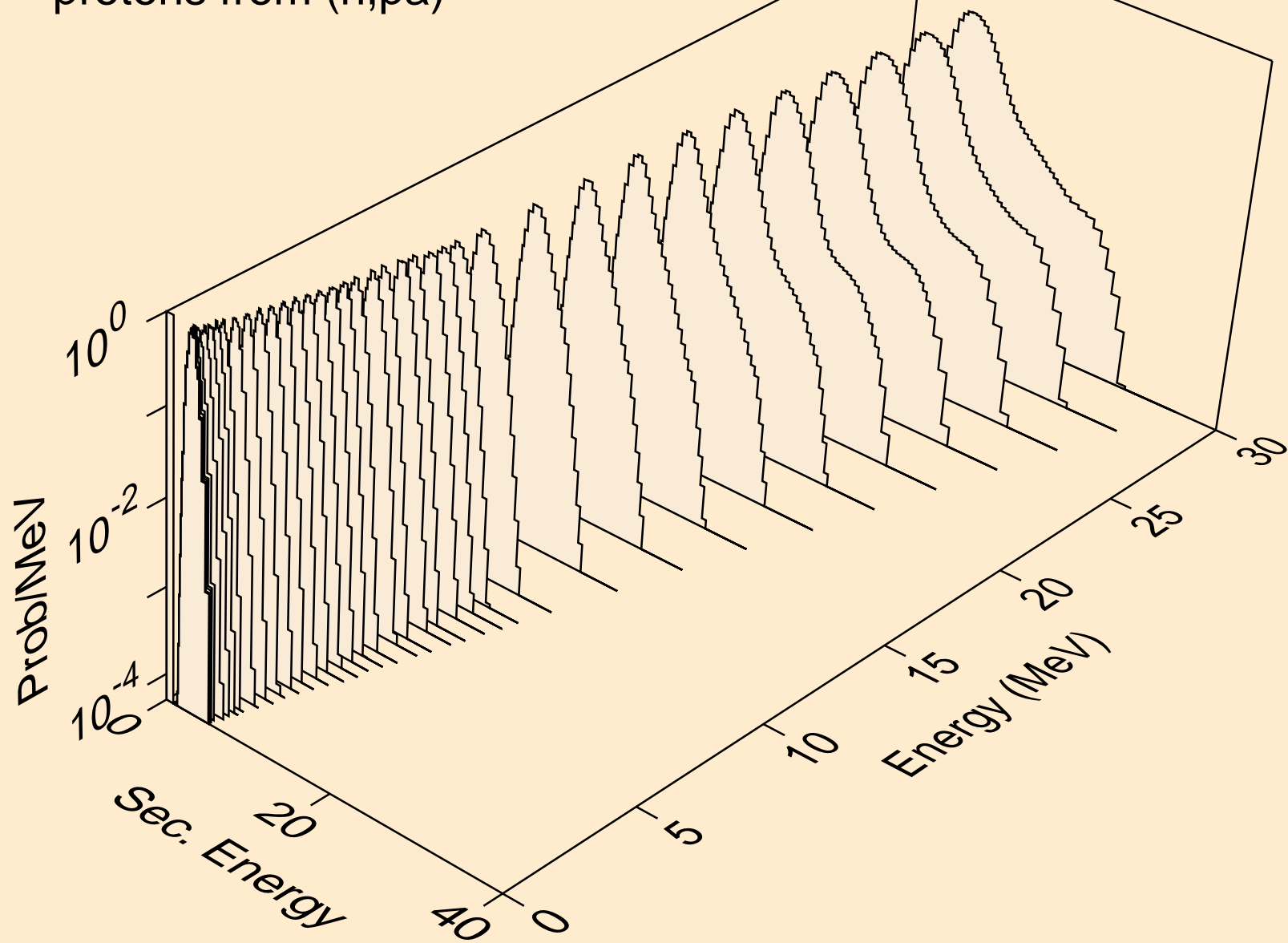




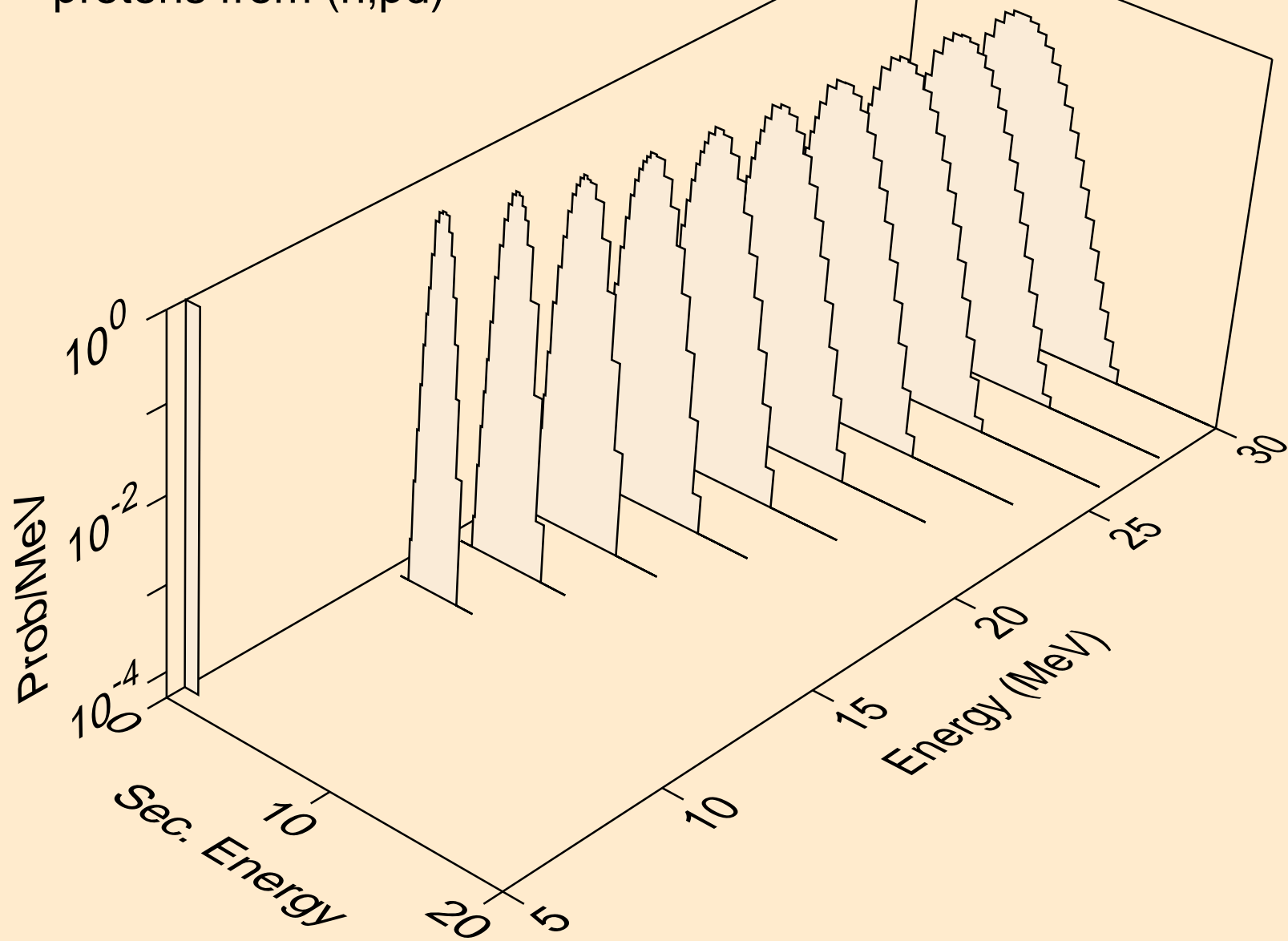
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2p)



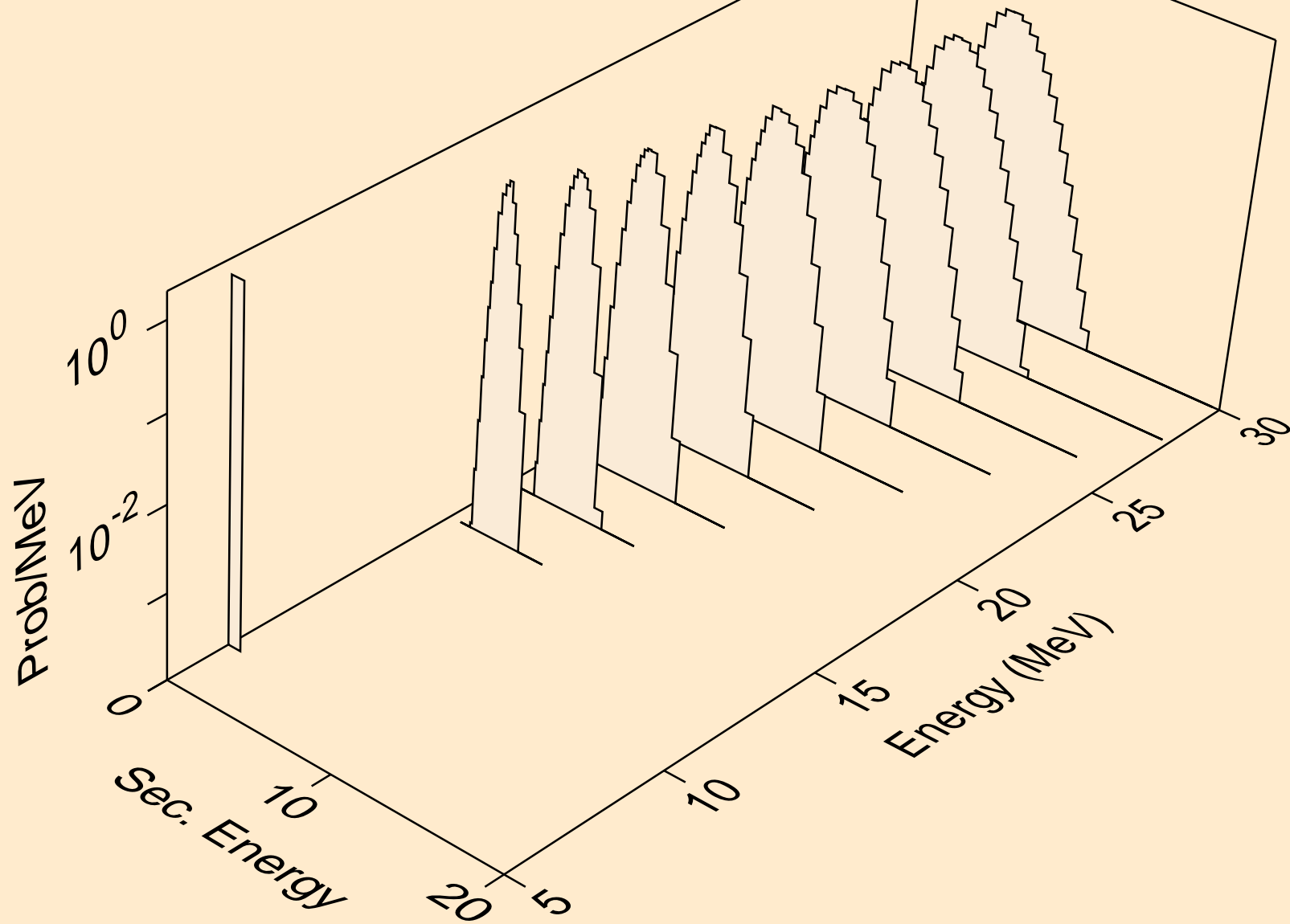
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



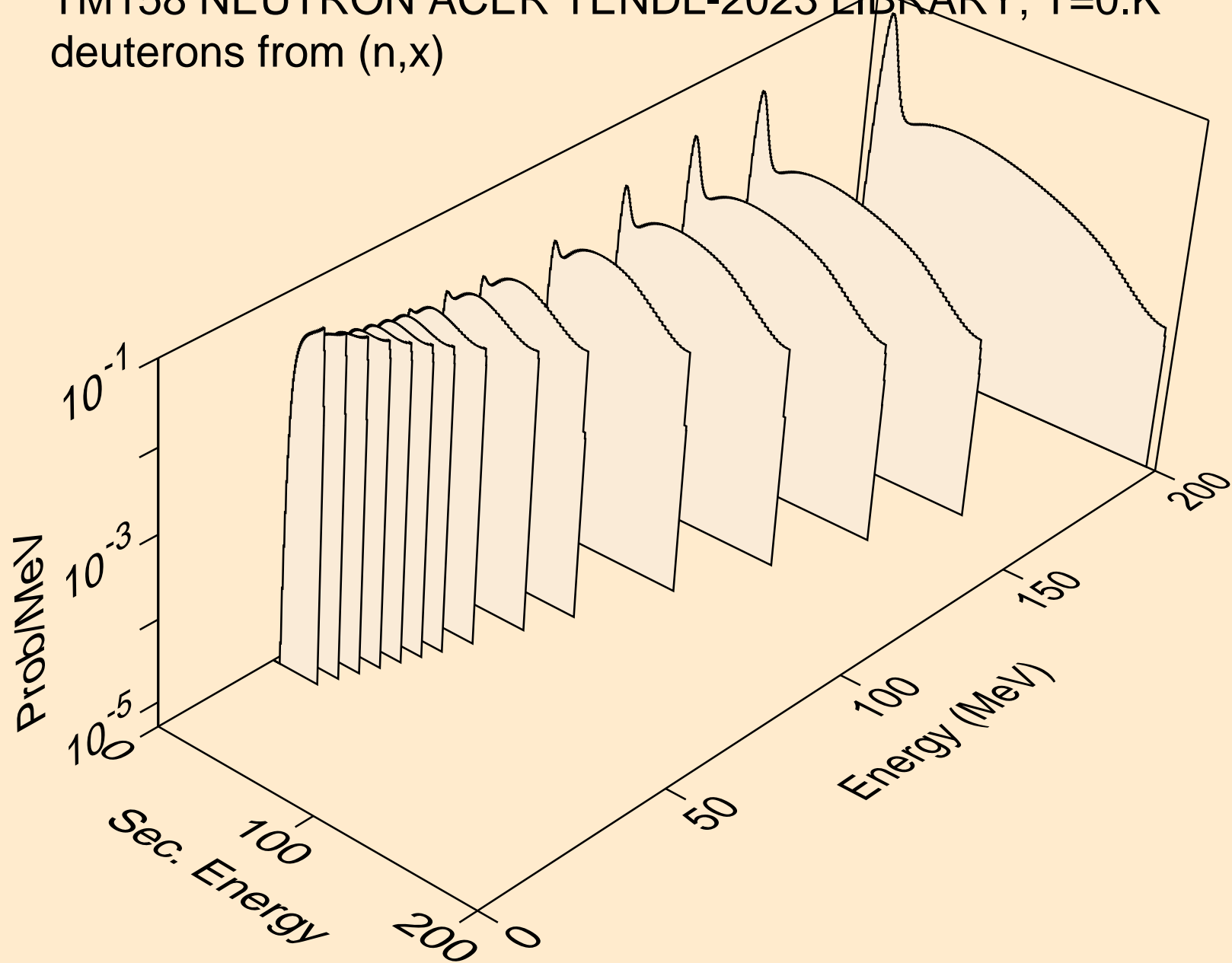
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pd)



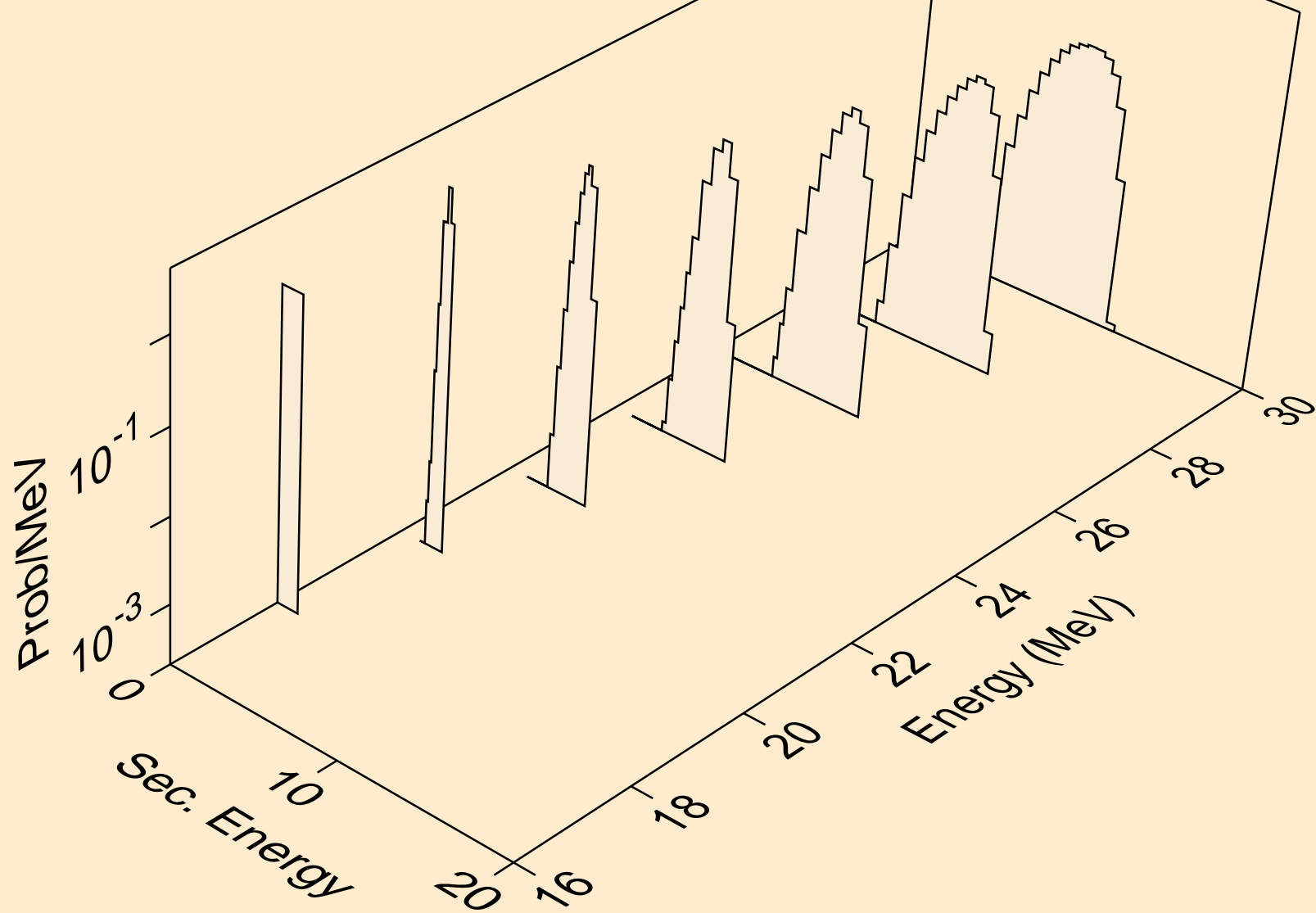
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pt)



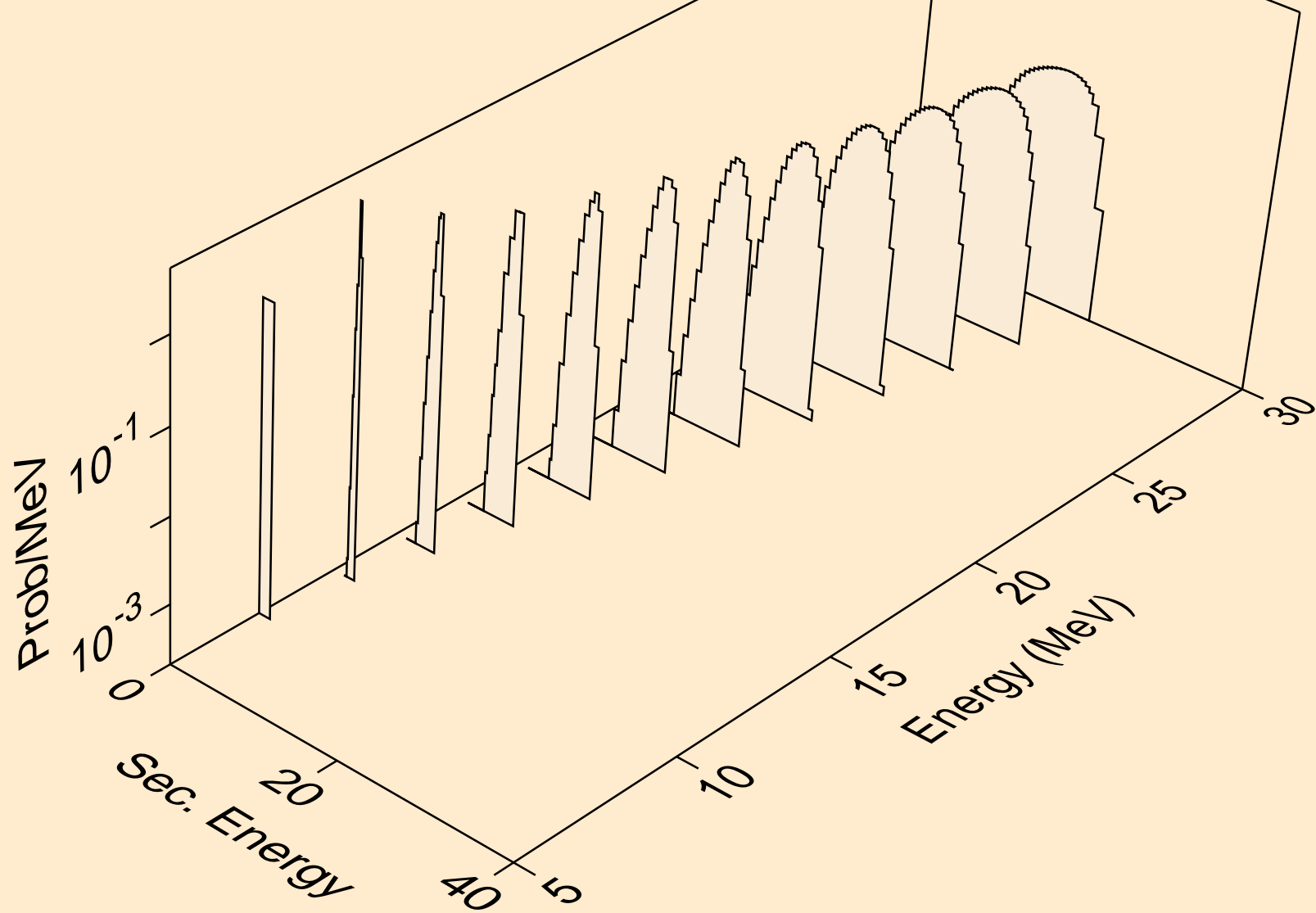
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)



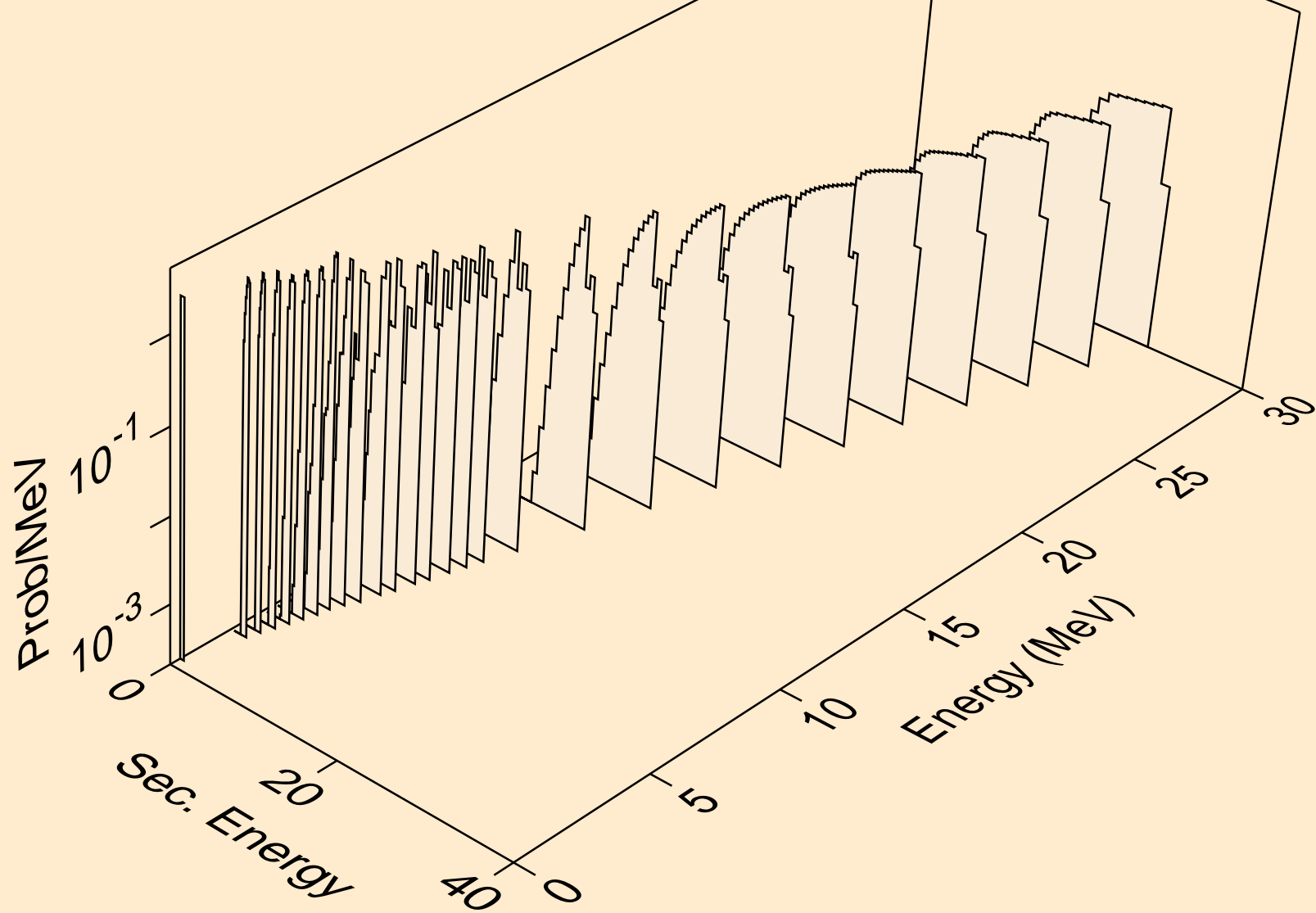
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,2nd)



TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d

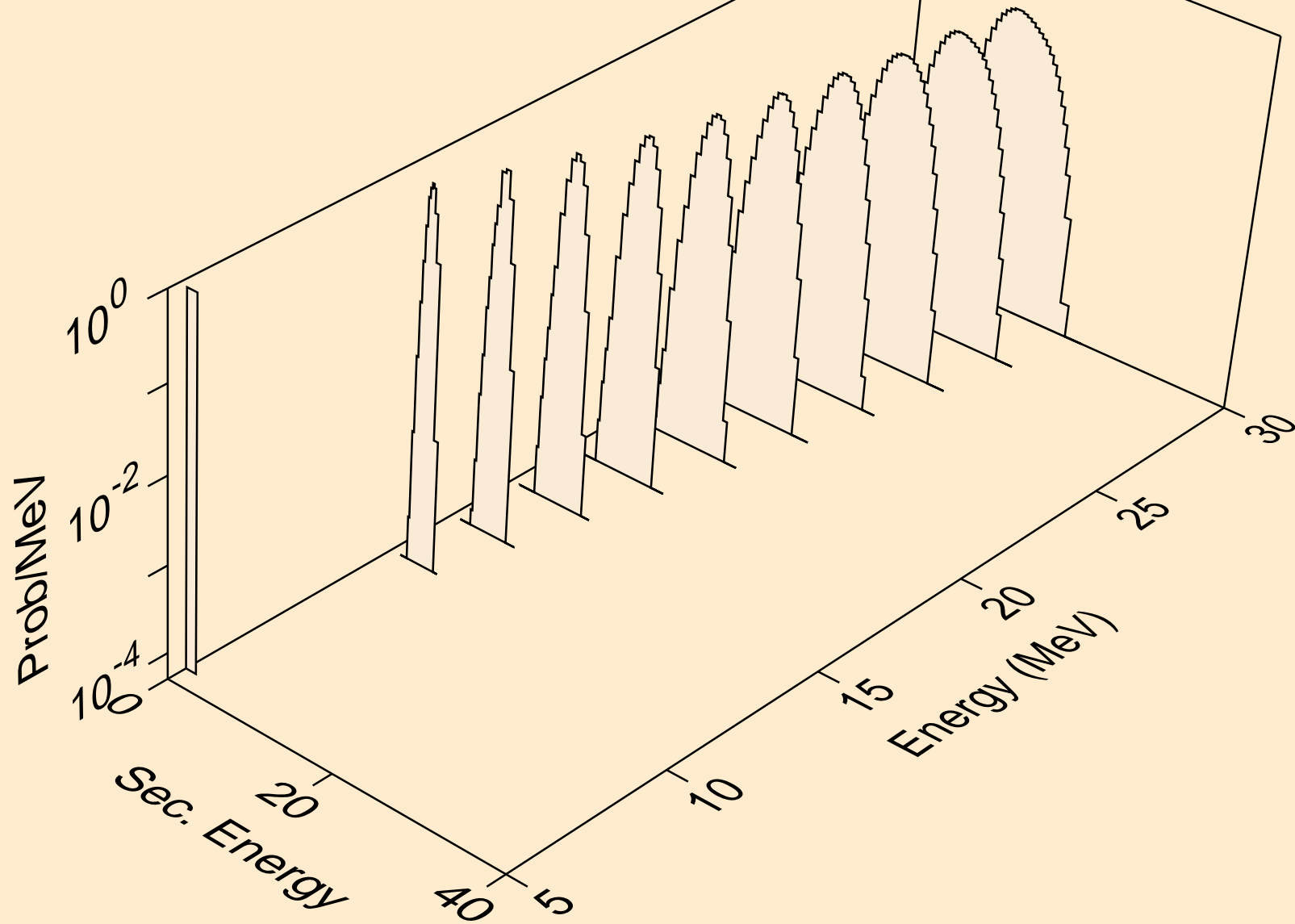


TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d)

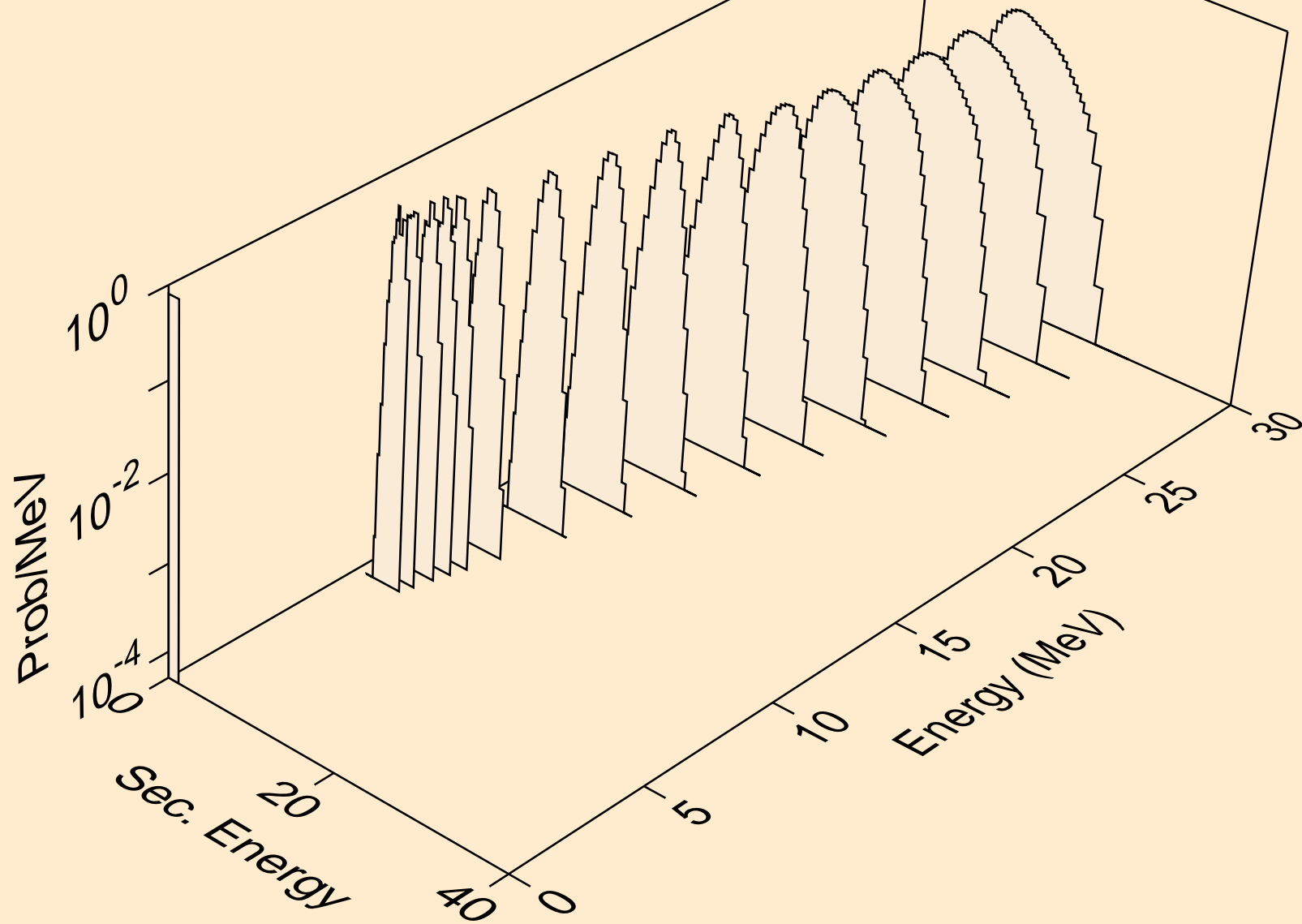




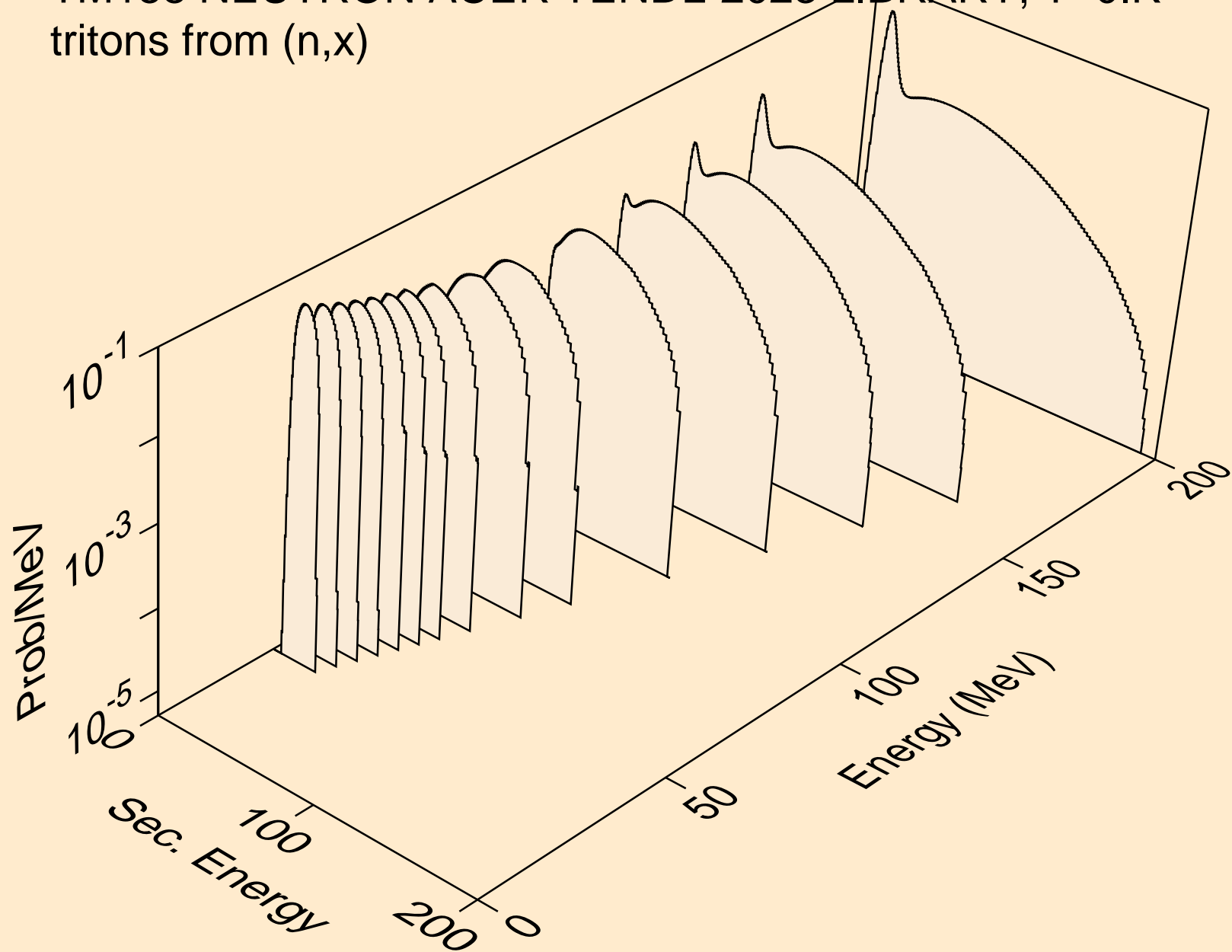
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,pd)



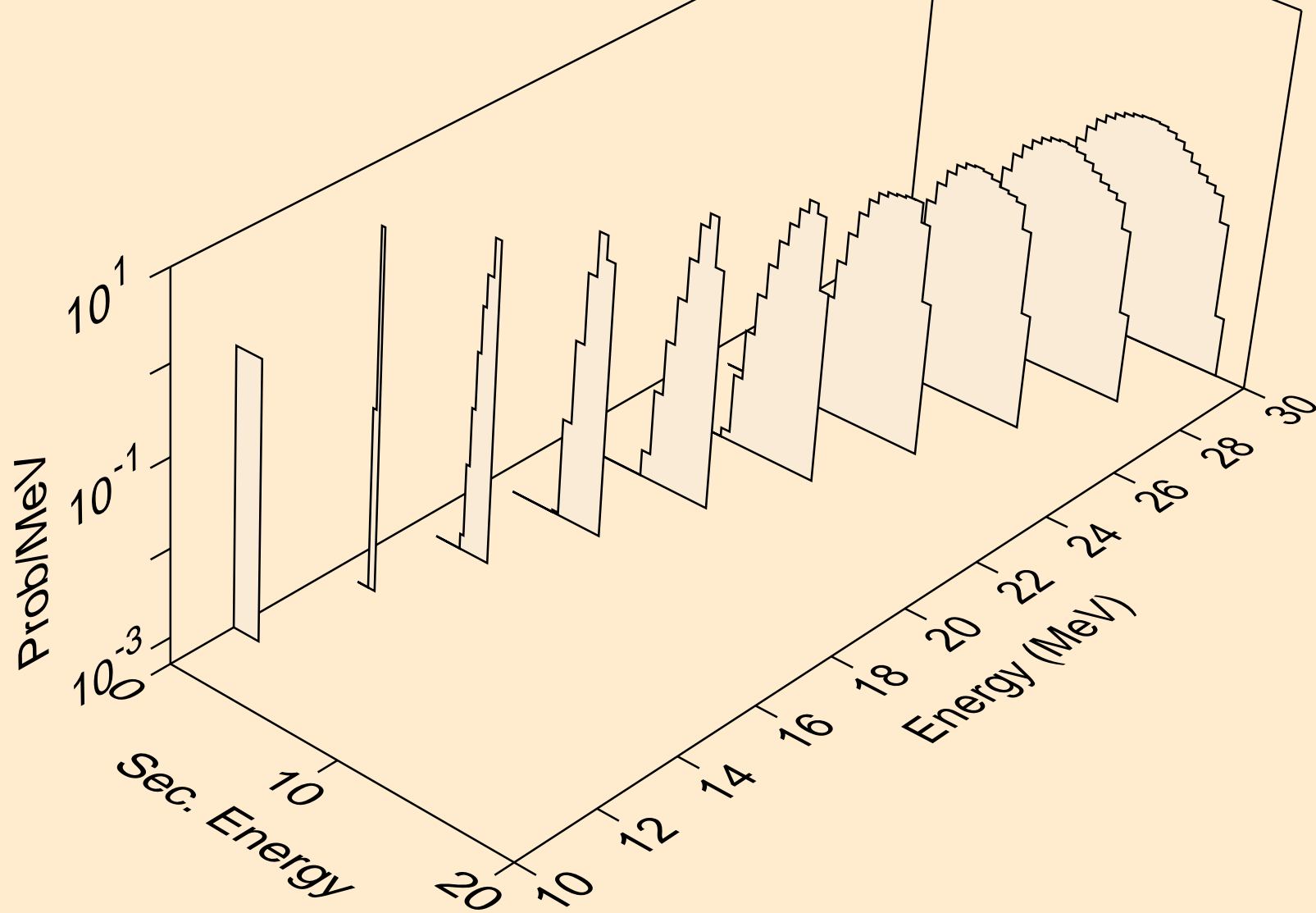
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,da)



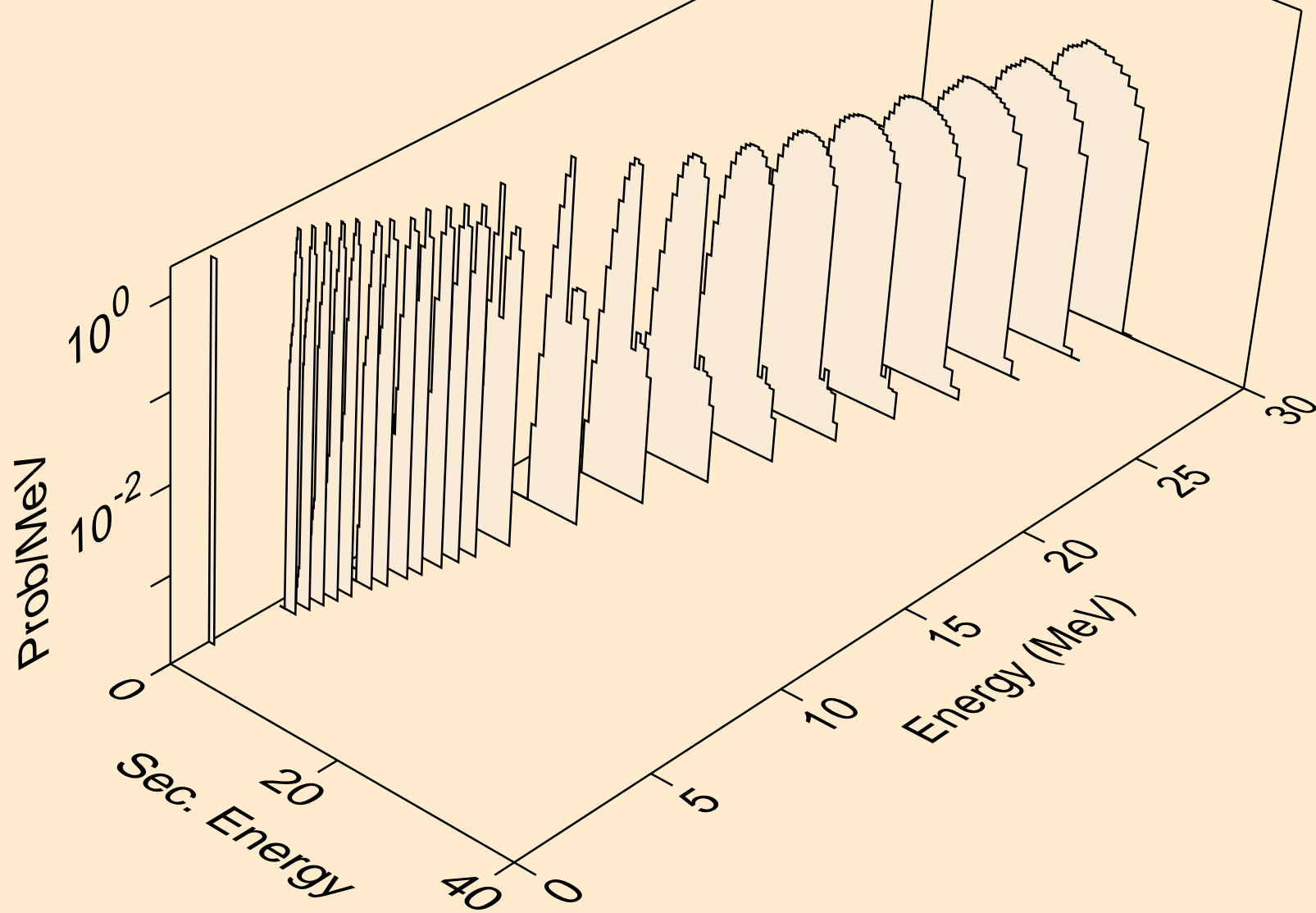
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



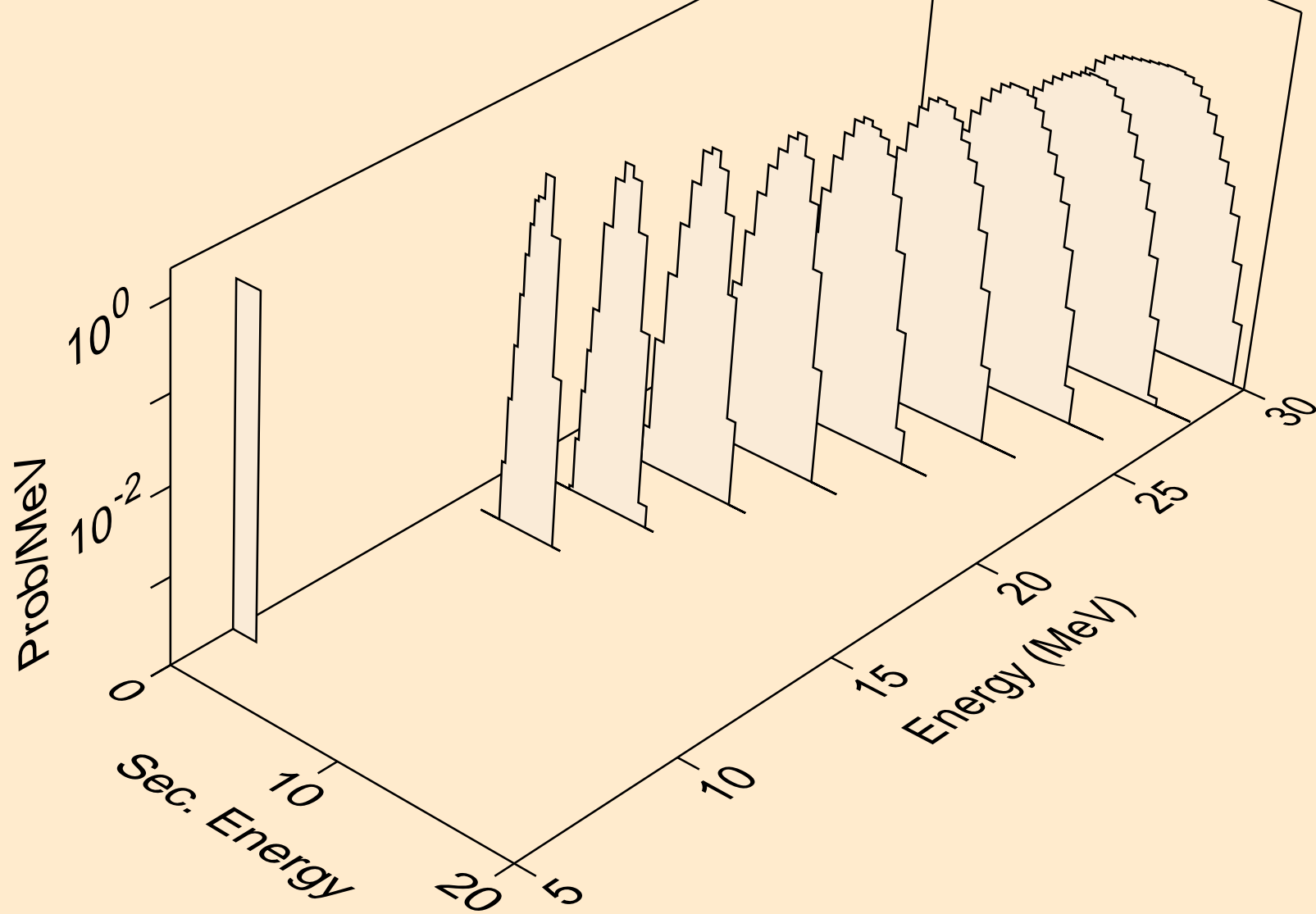
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



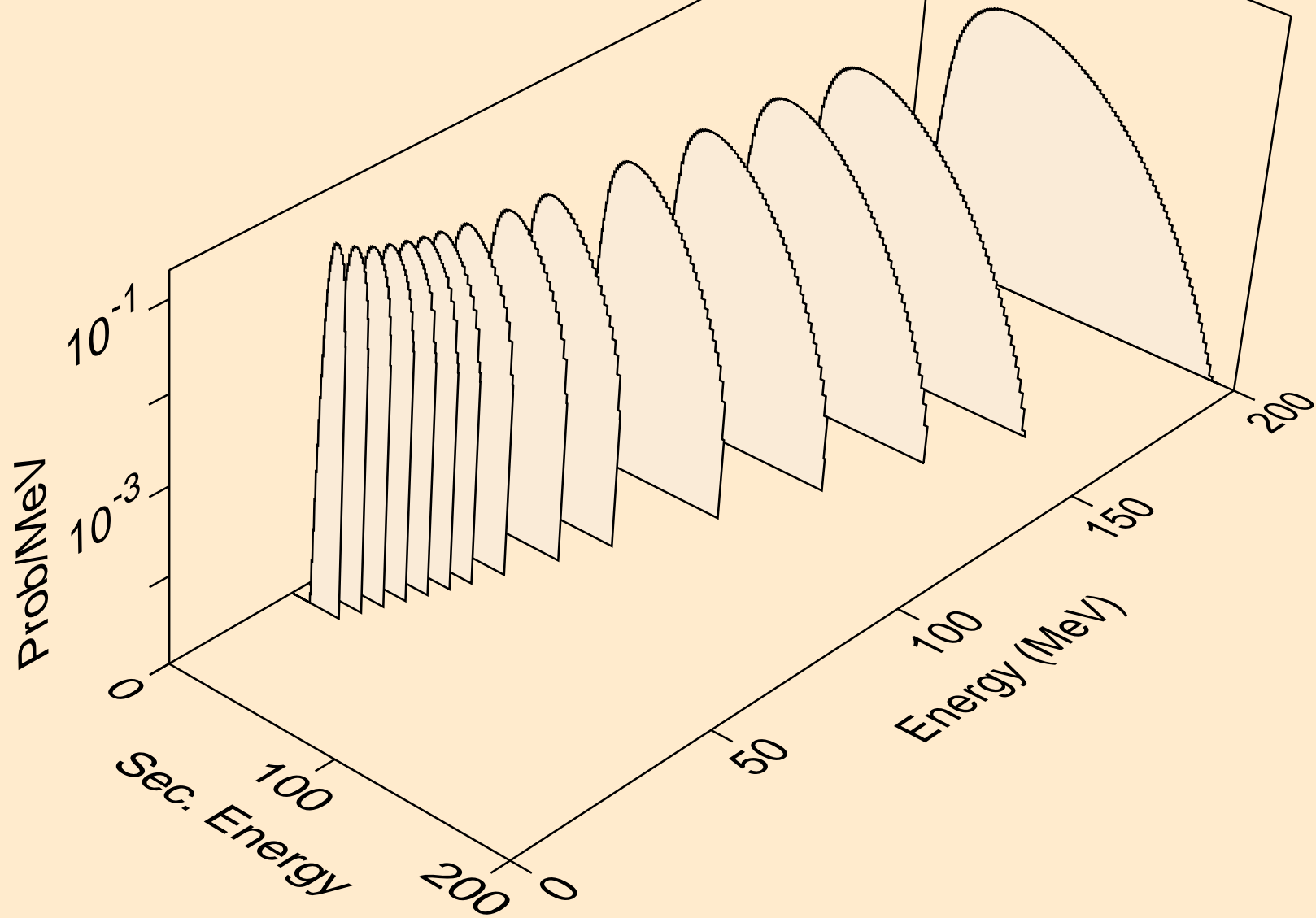
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)



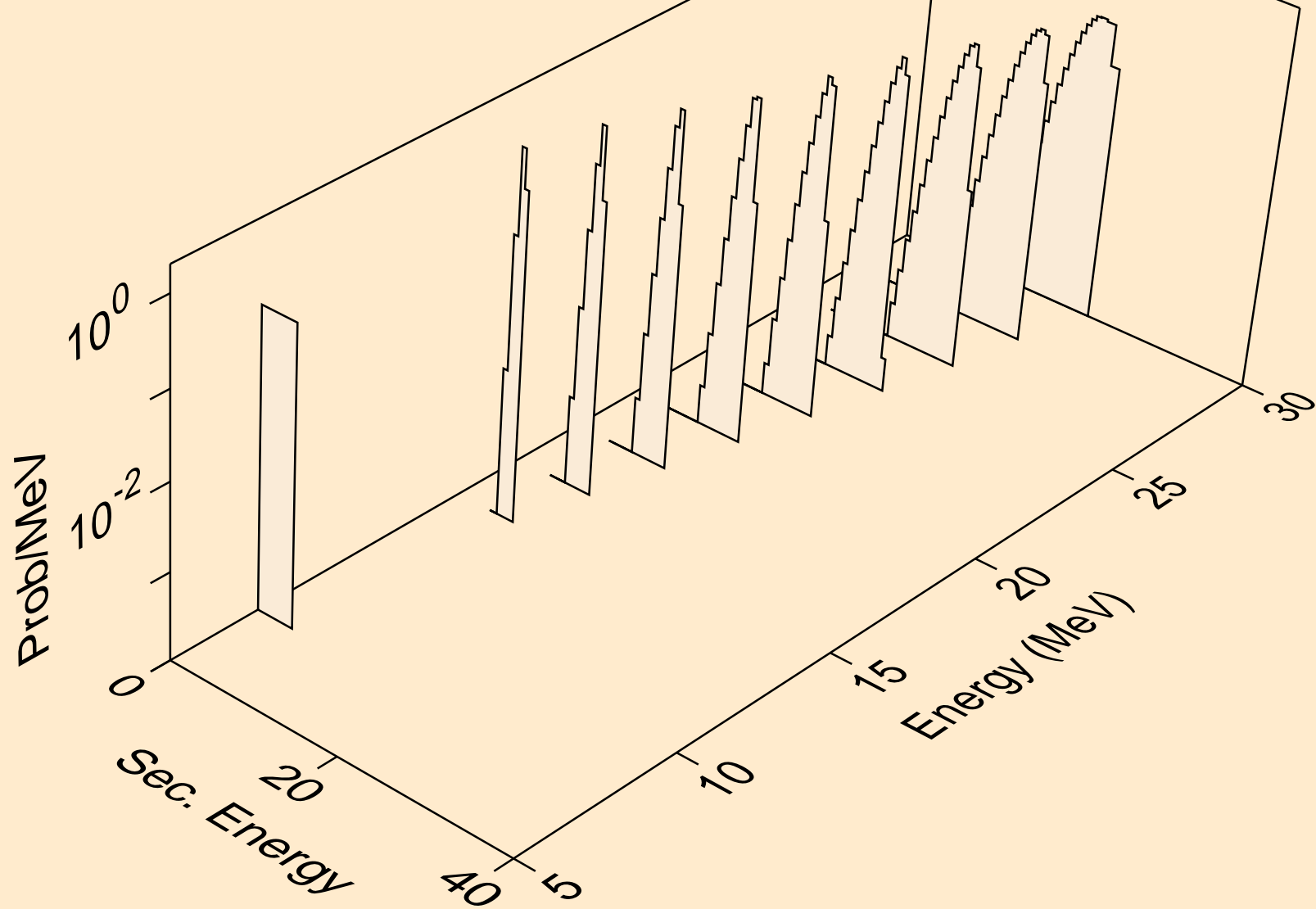
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)



TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)

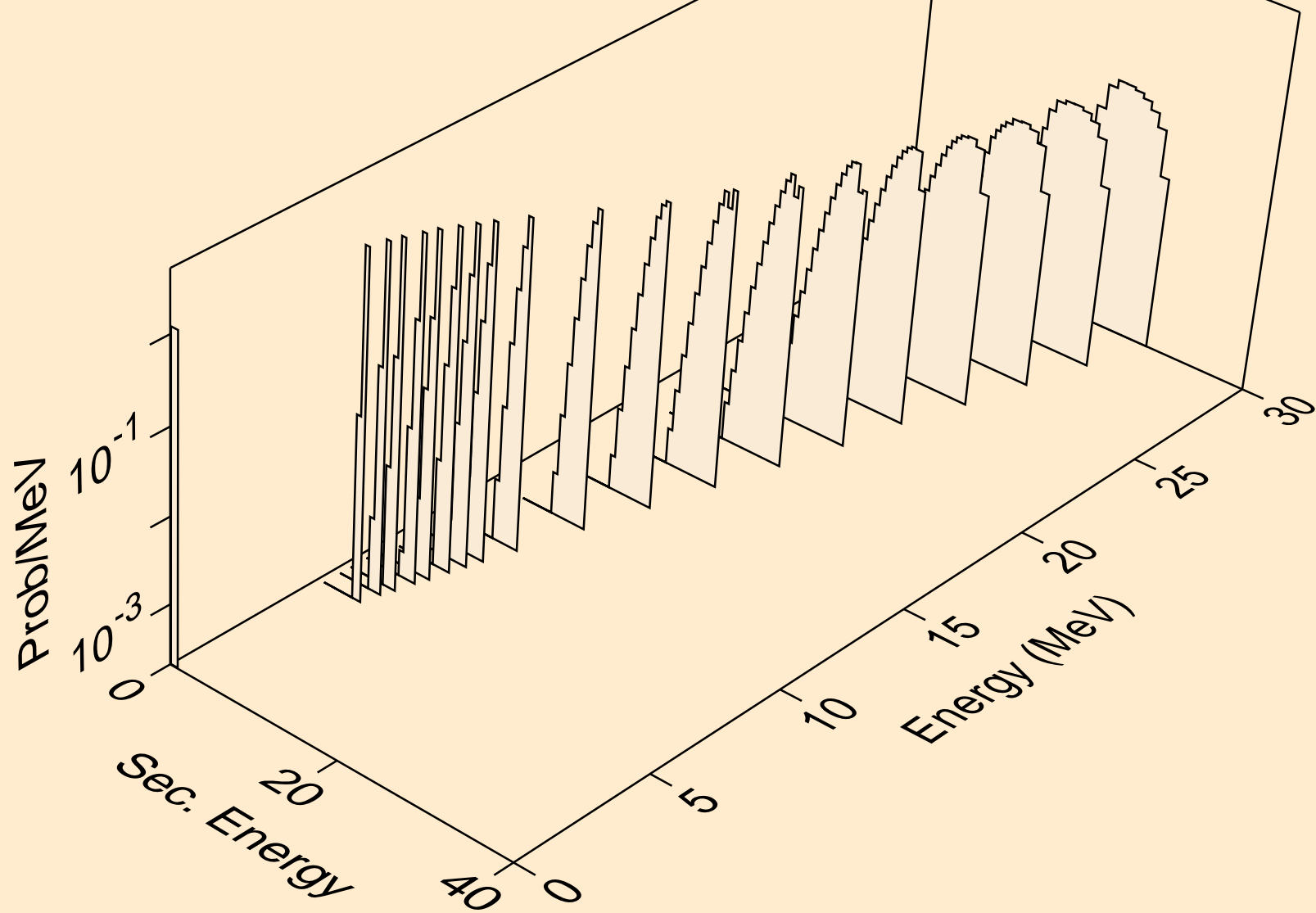


TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3

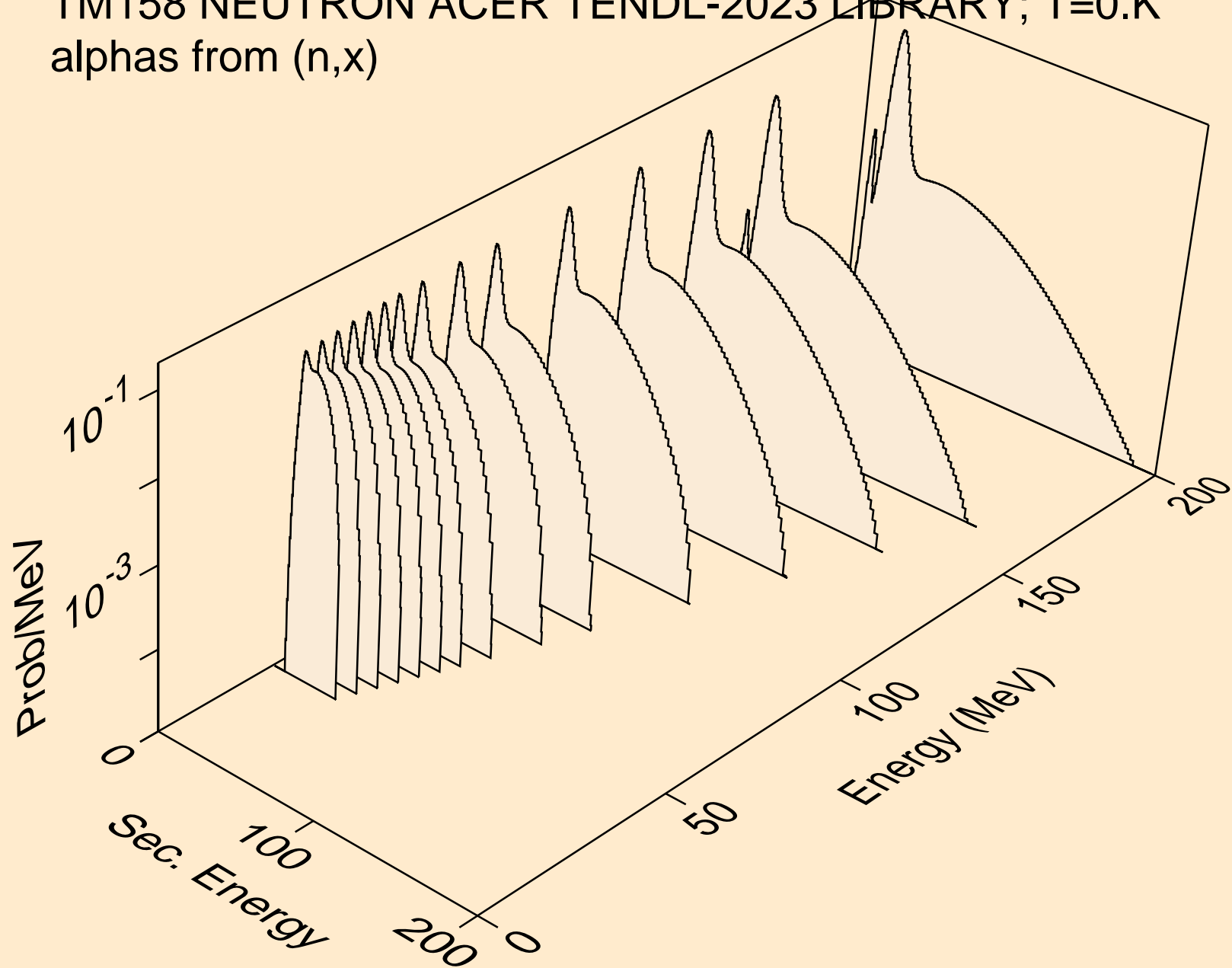




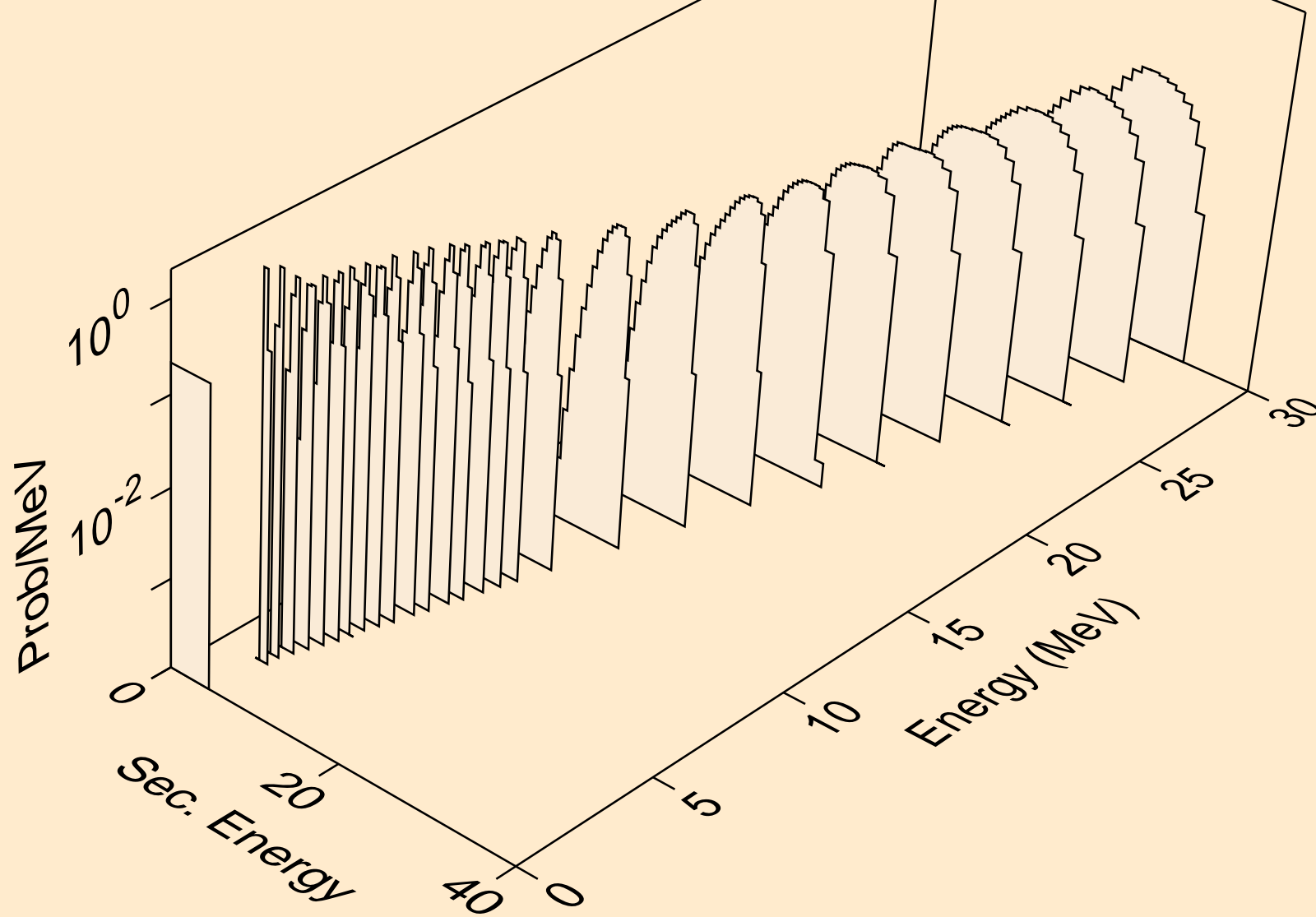
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,he3)



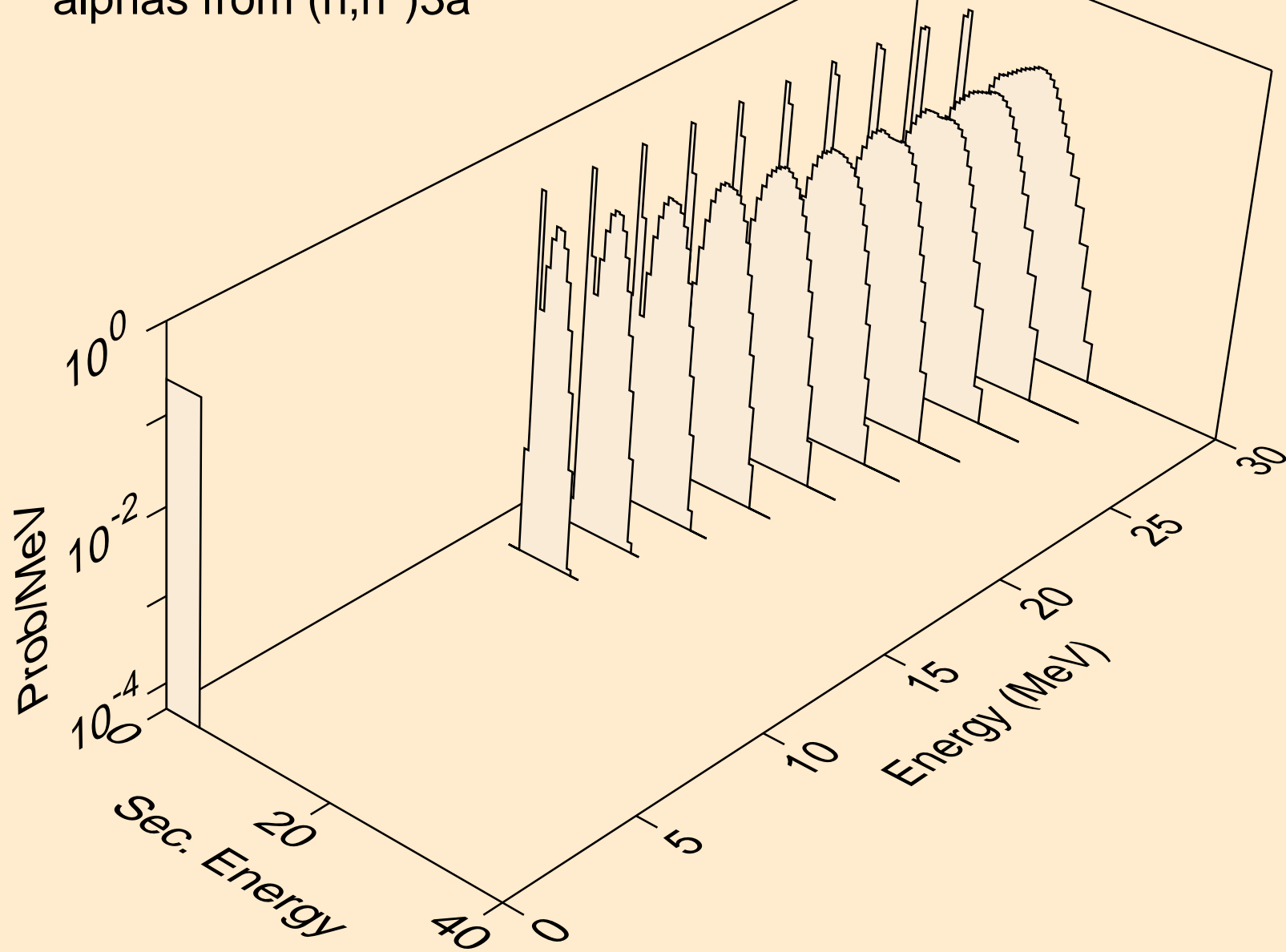
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



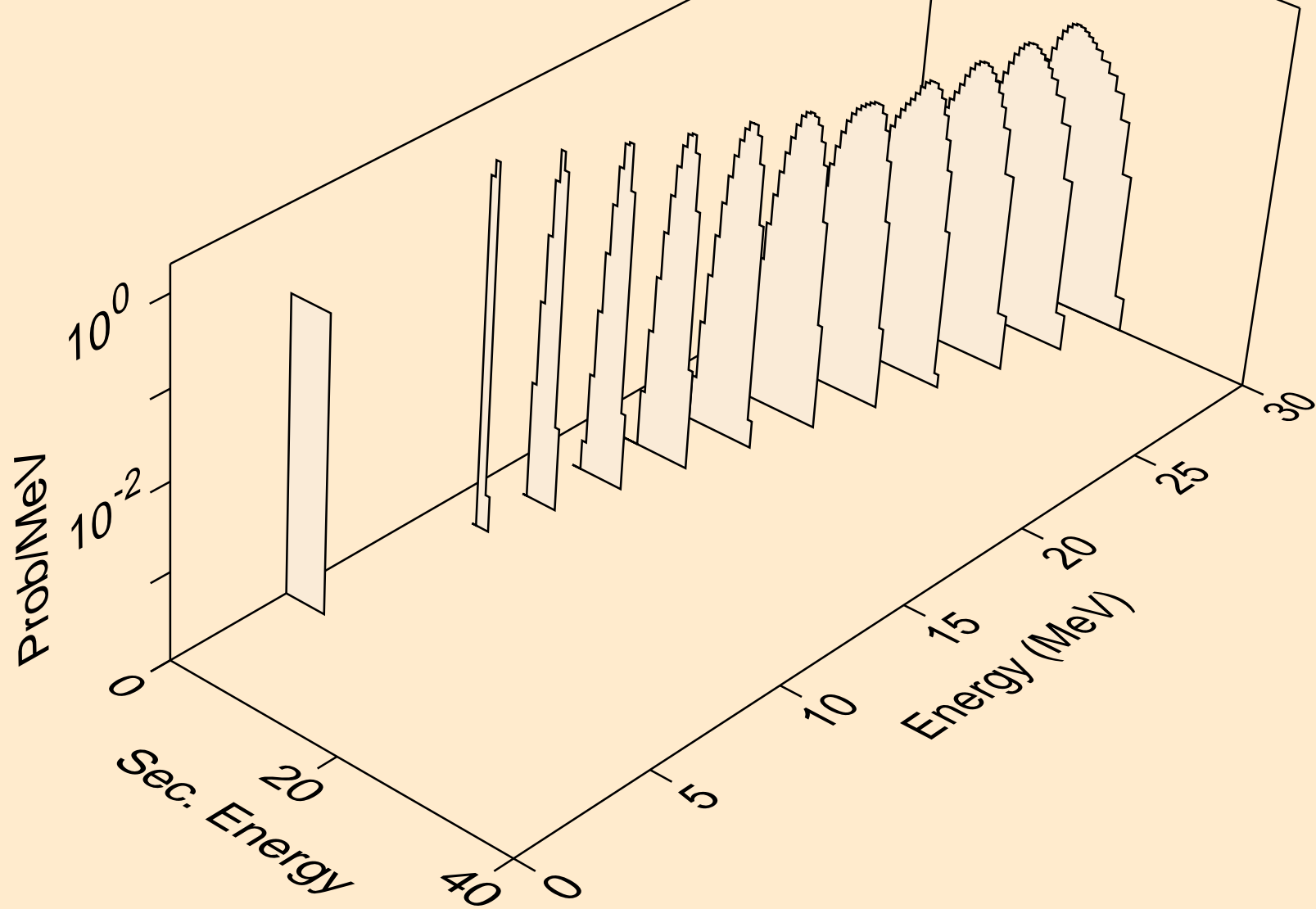
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



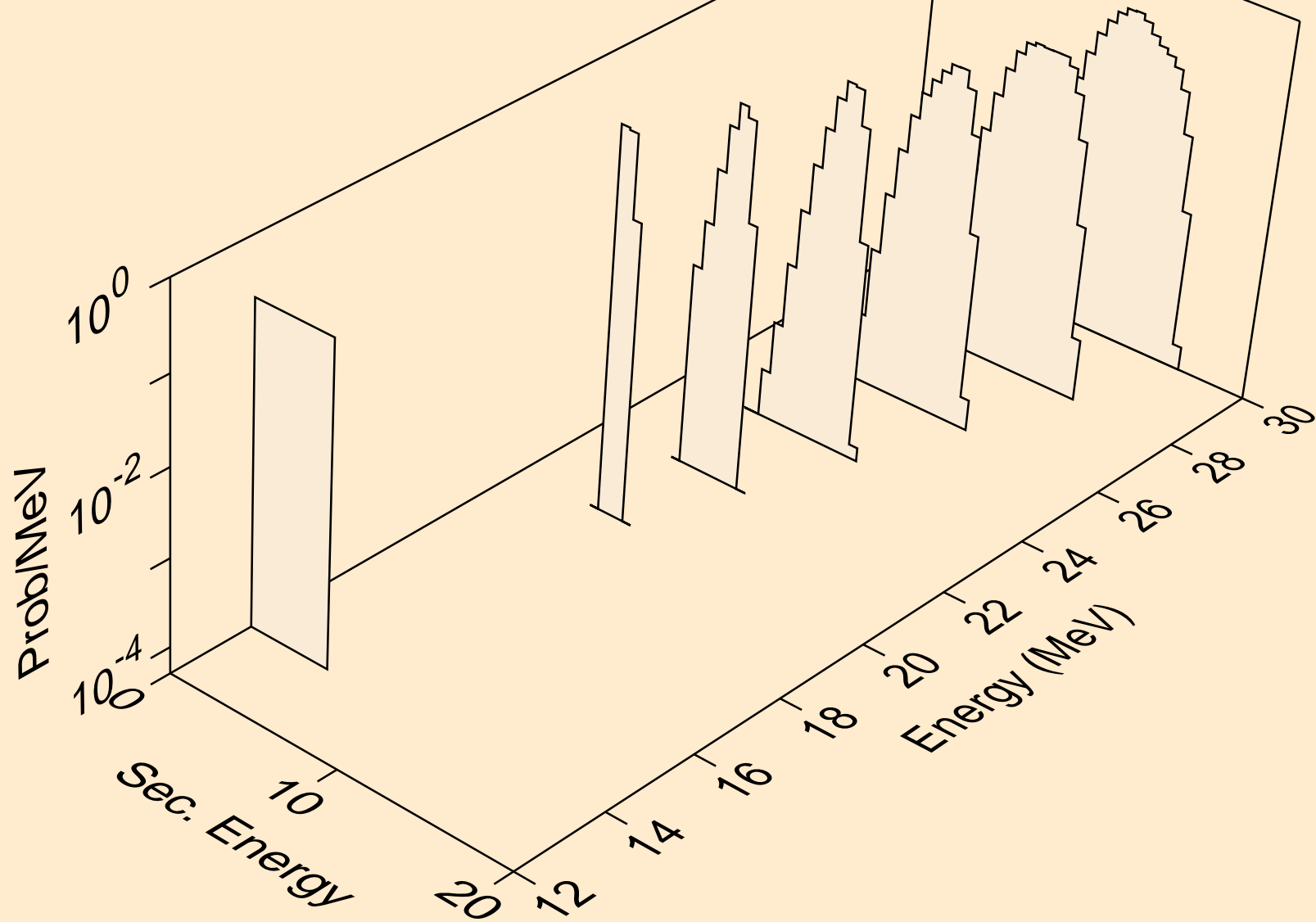
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)3a



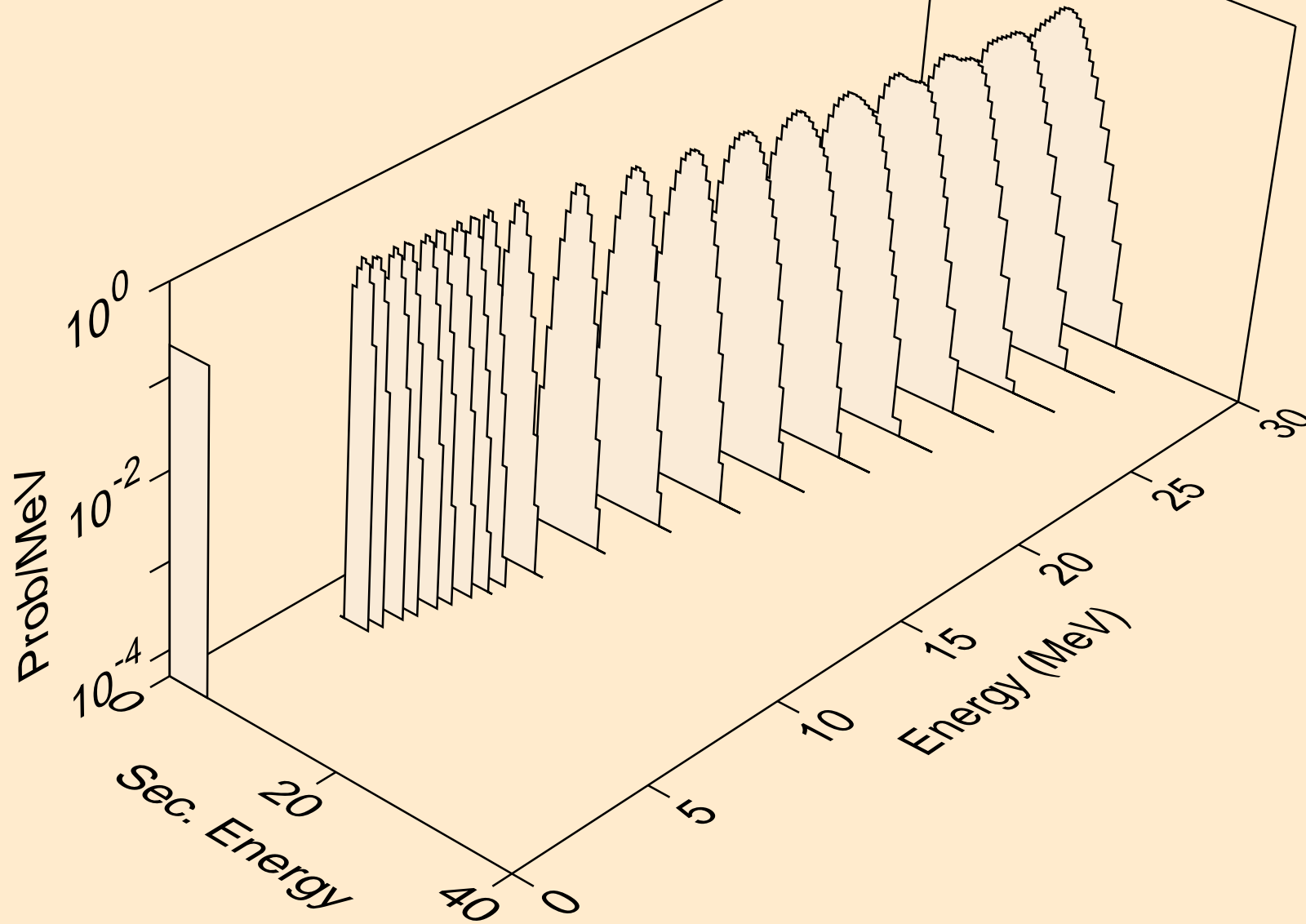
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



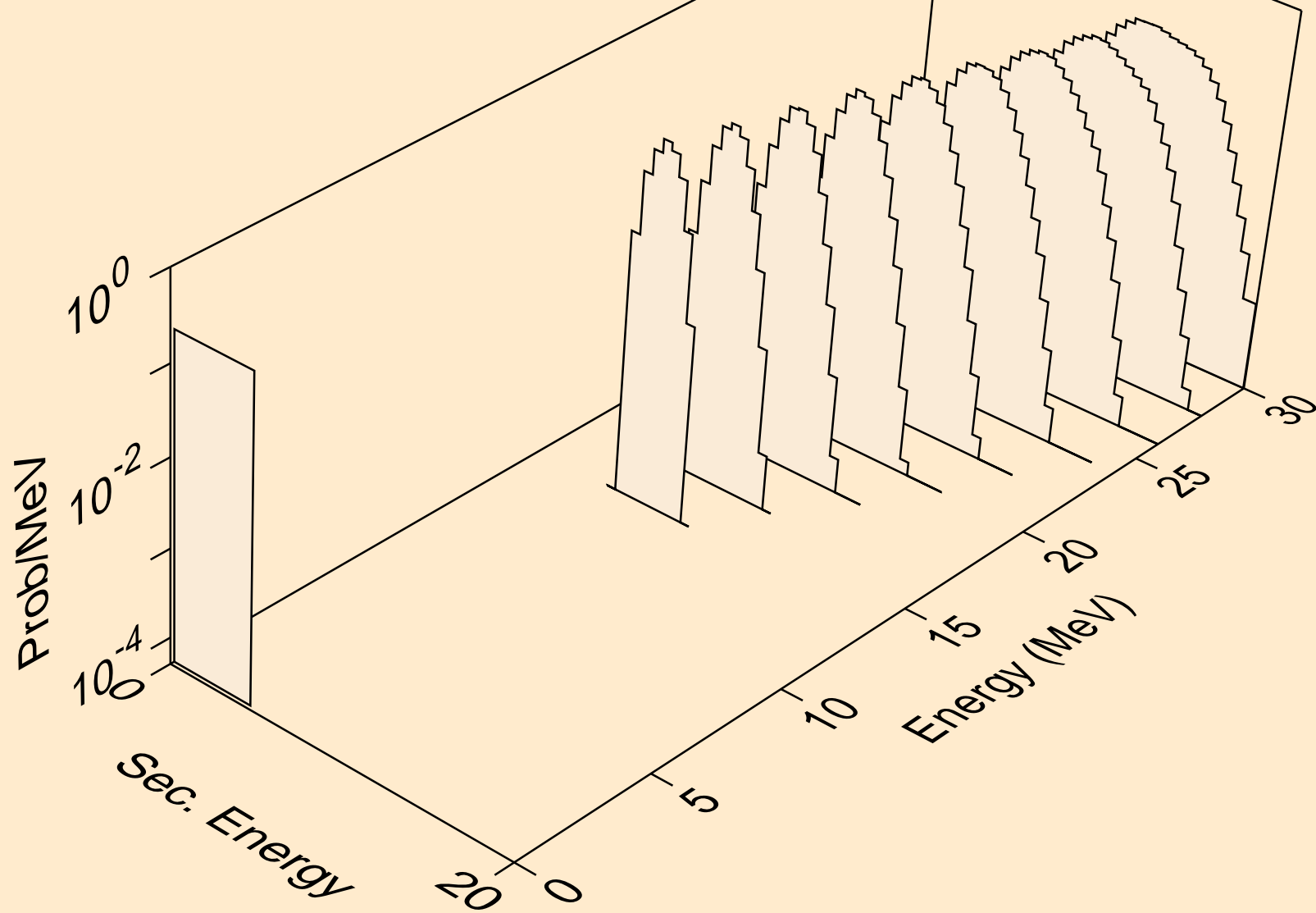
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a

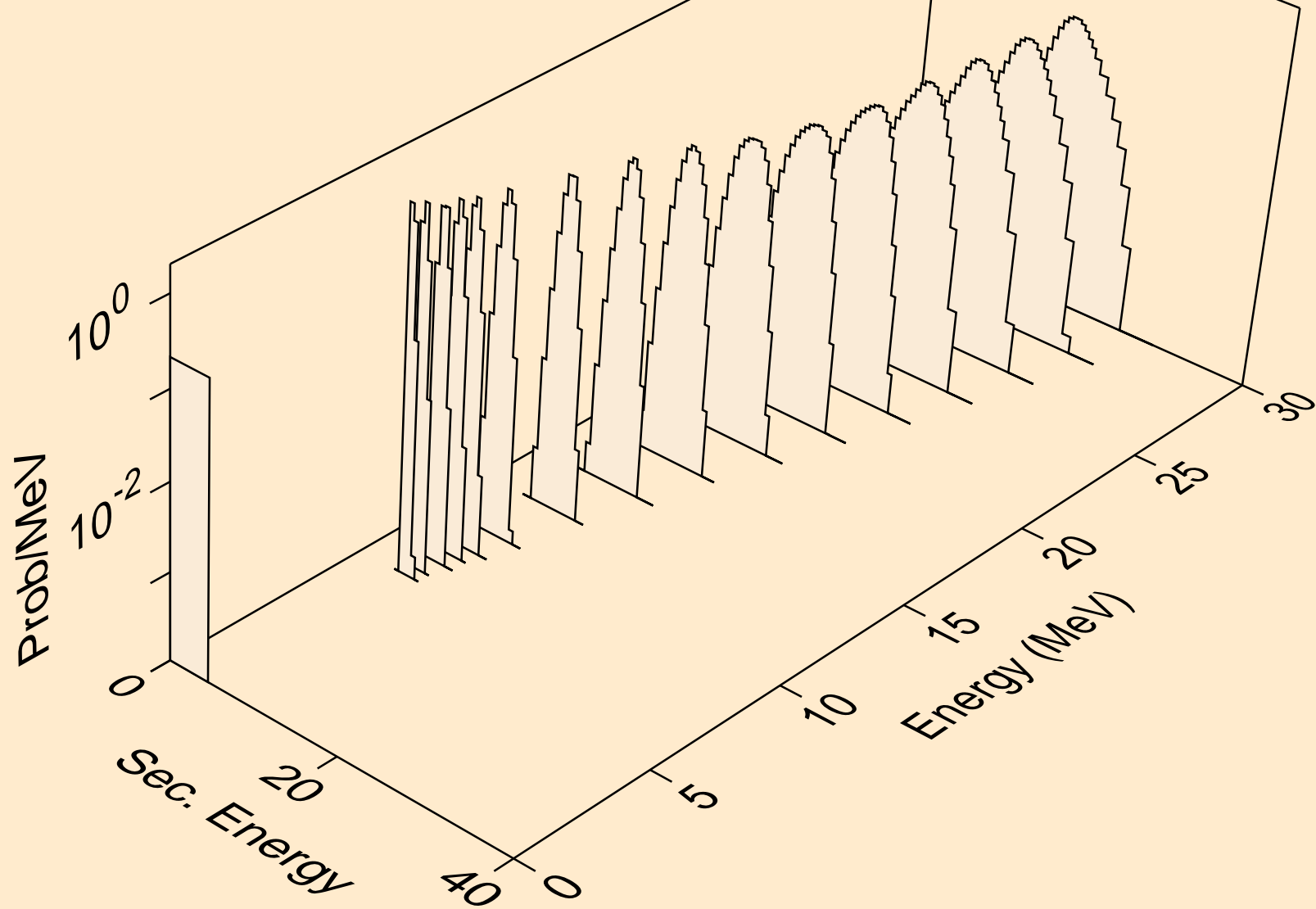


TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)2a

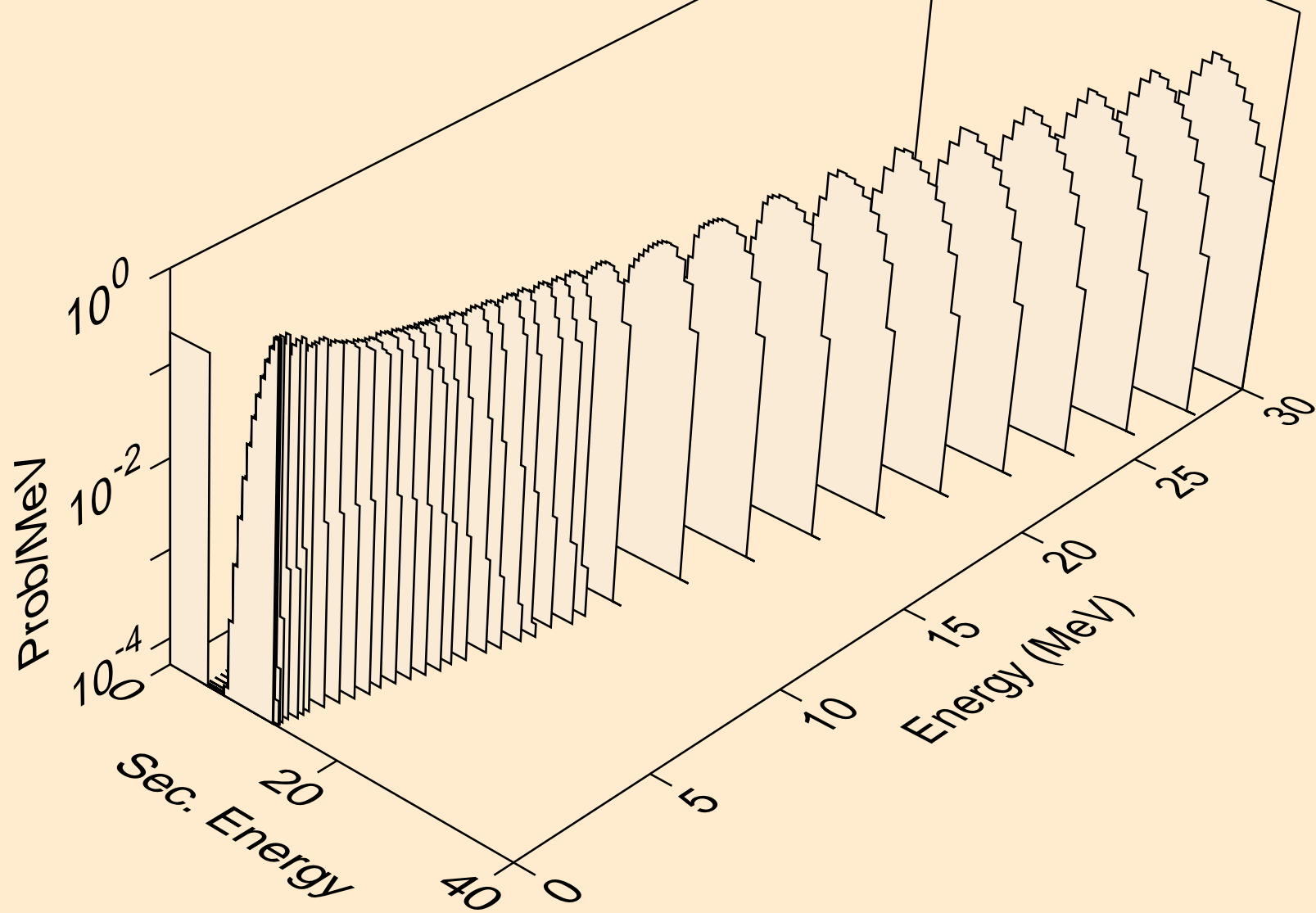




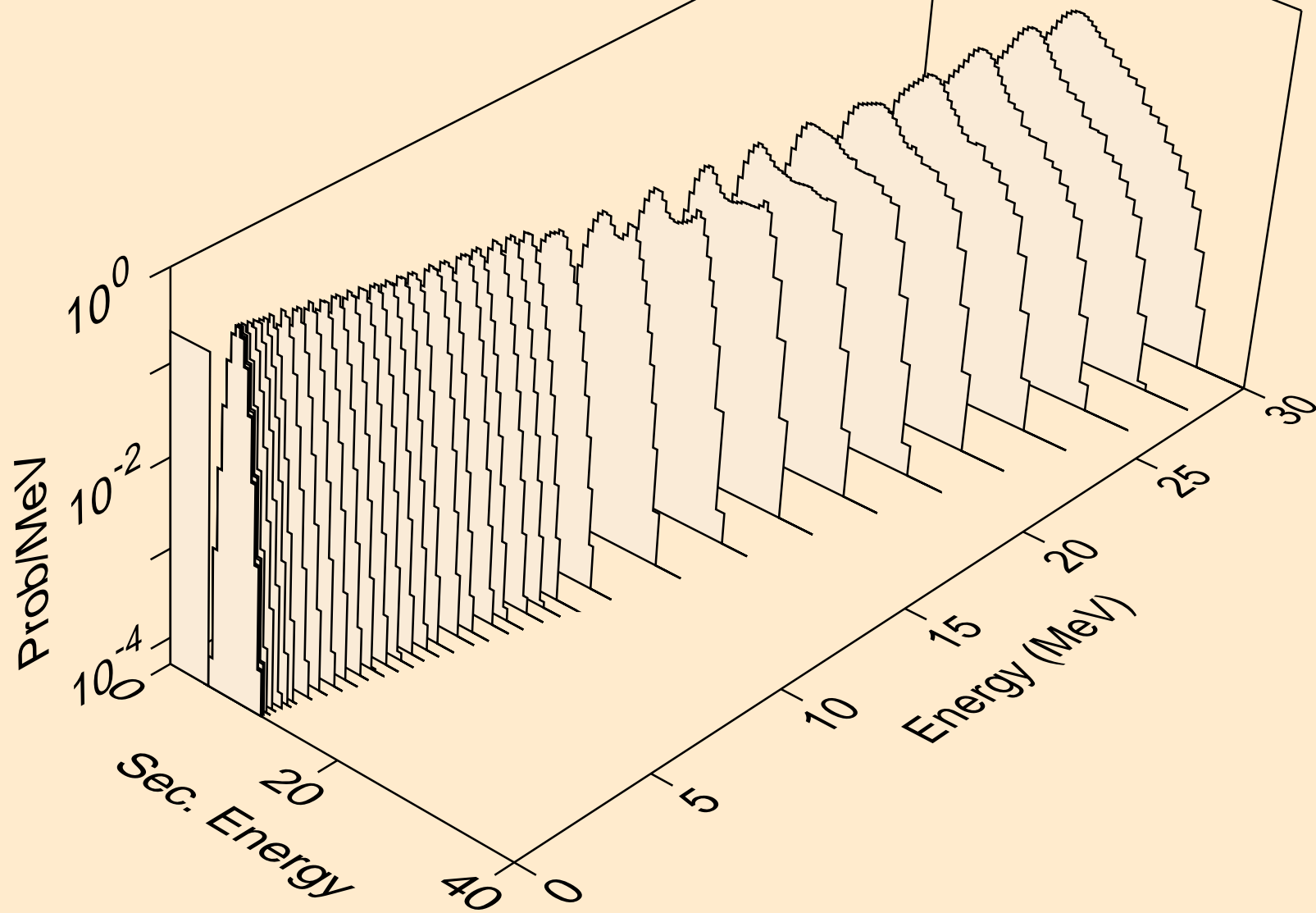
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)



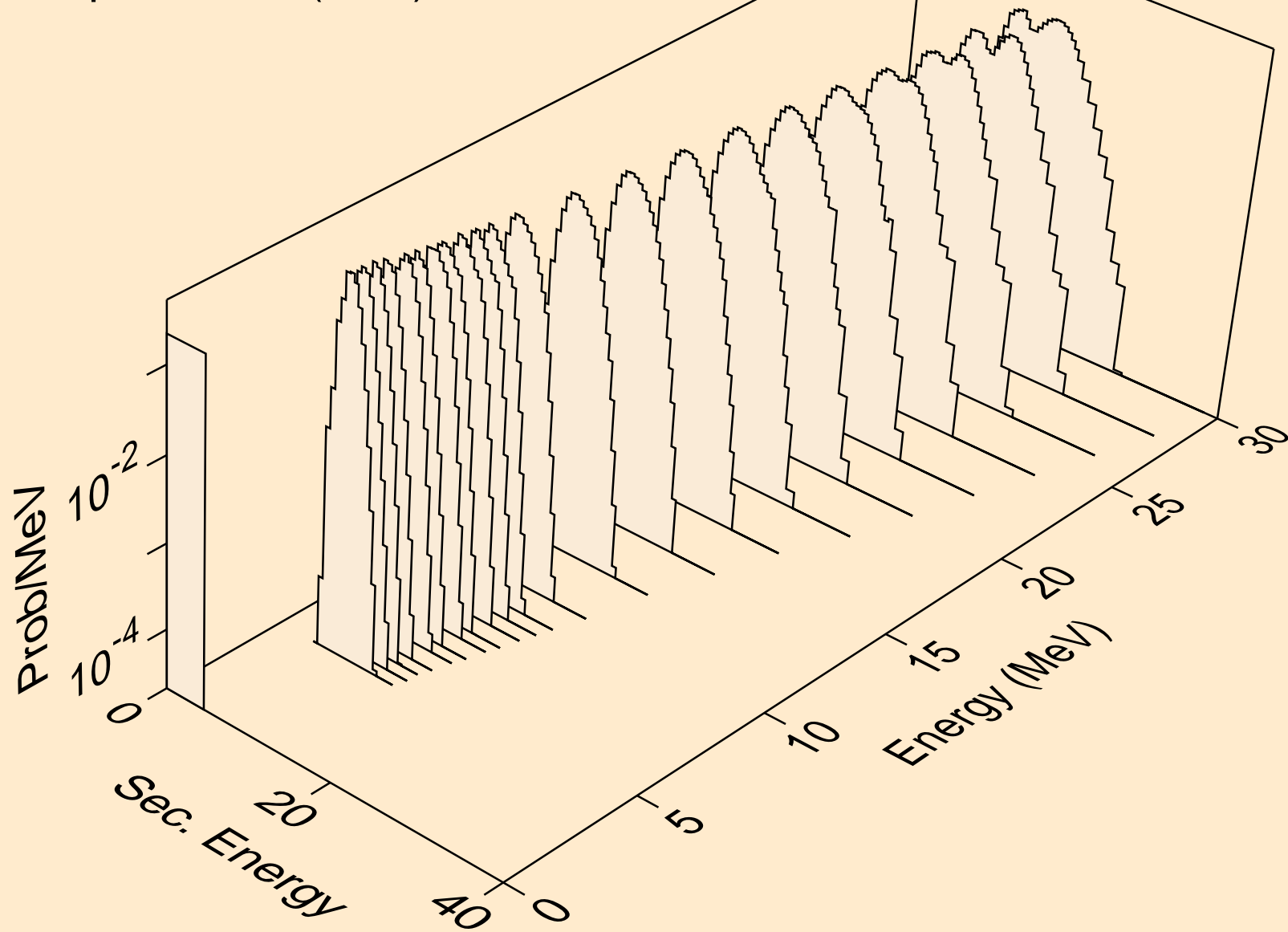
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



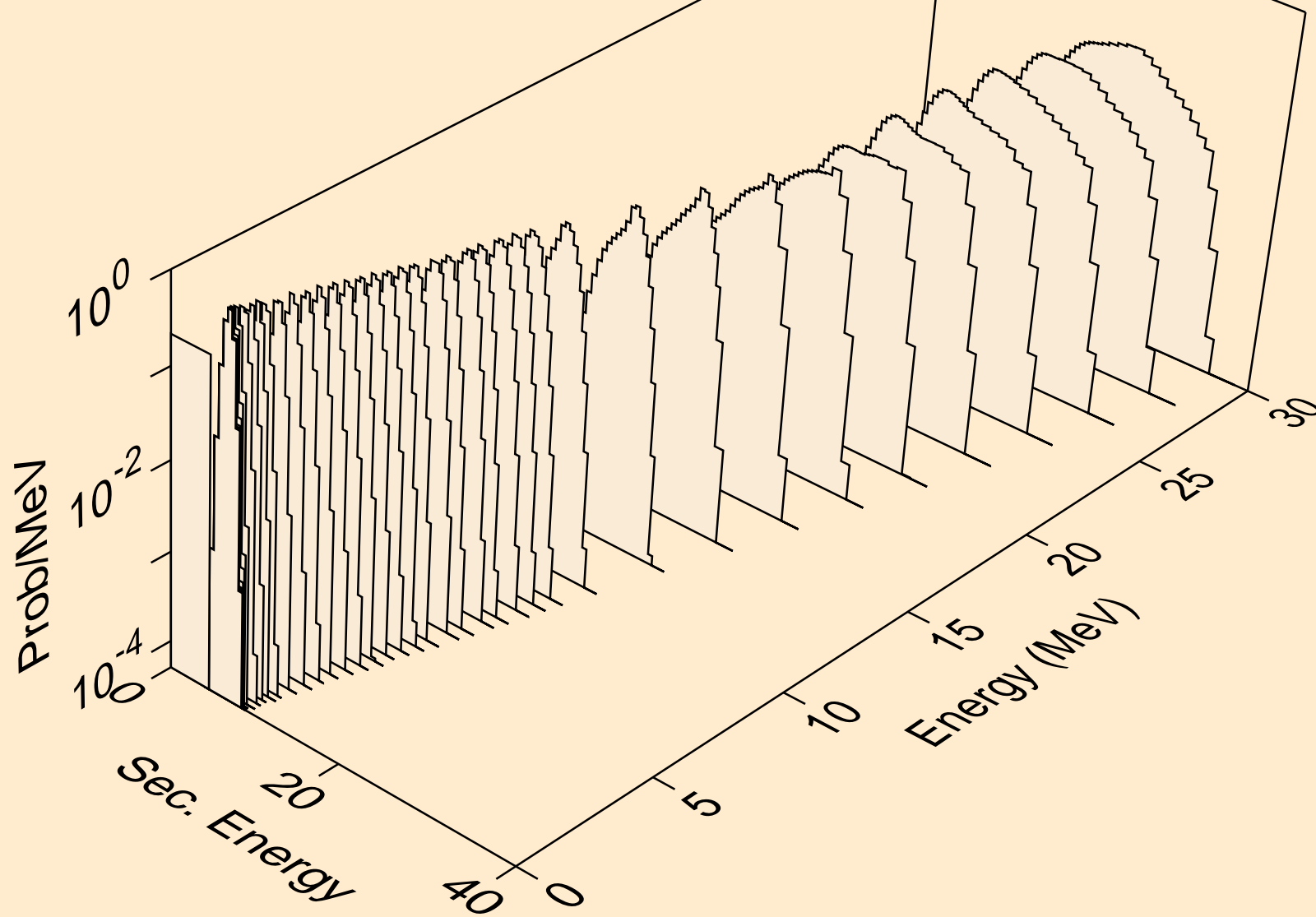
TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3a)



TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,p)



TM158 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

