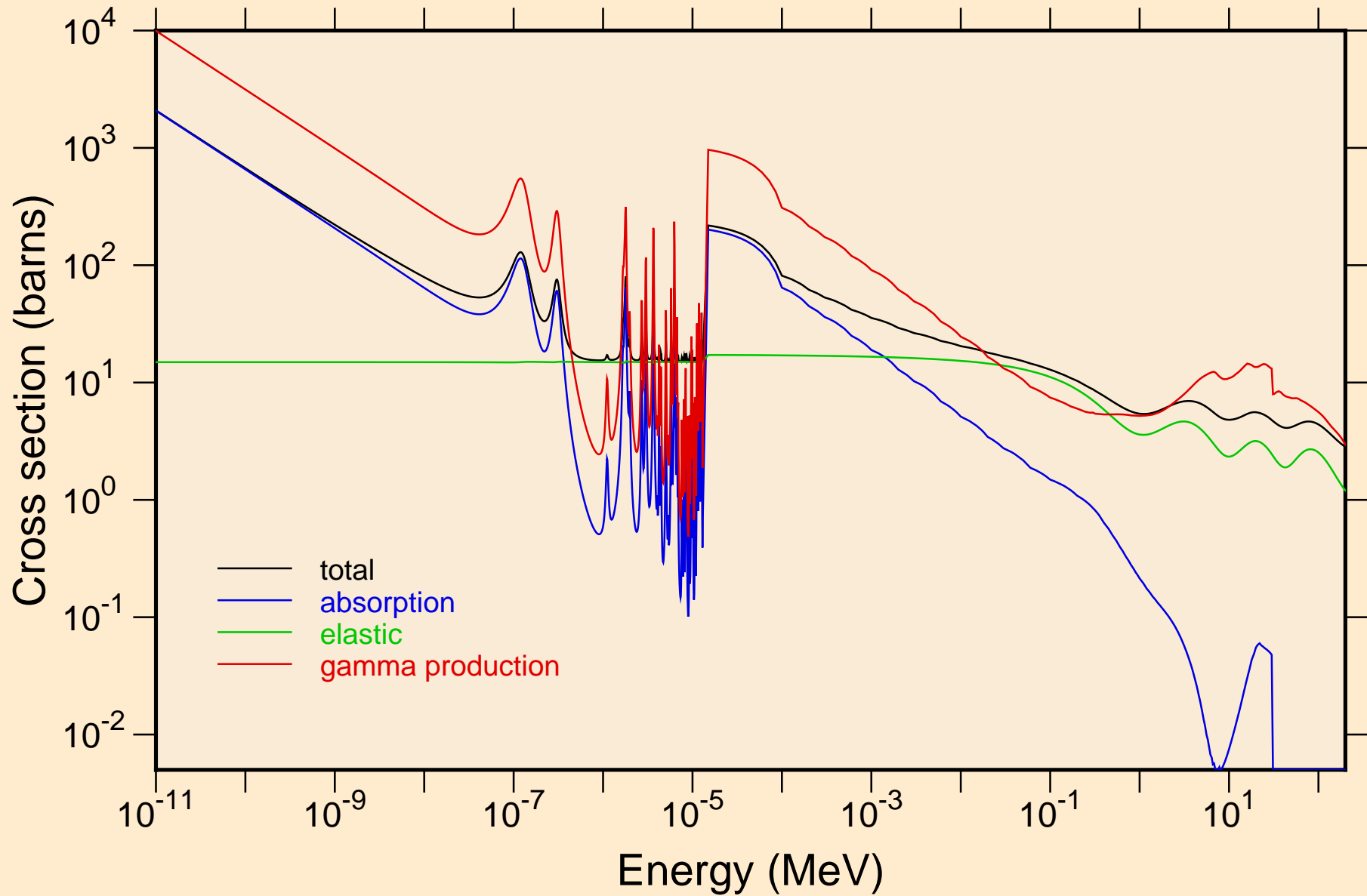
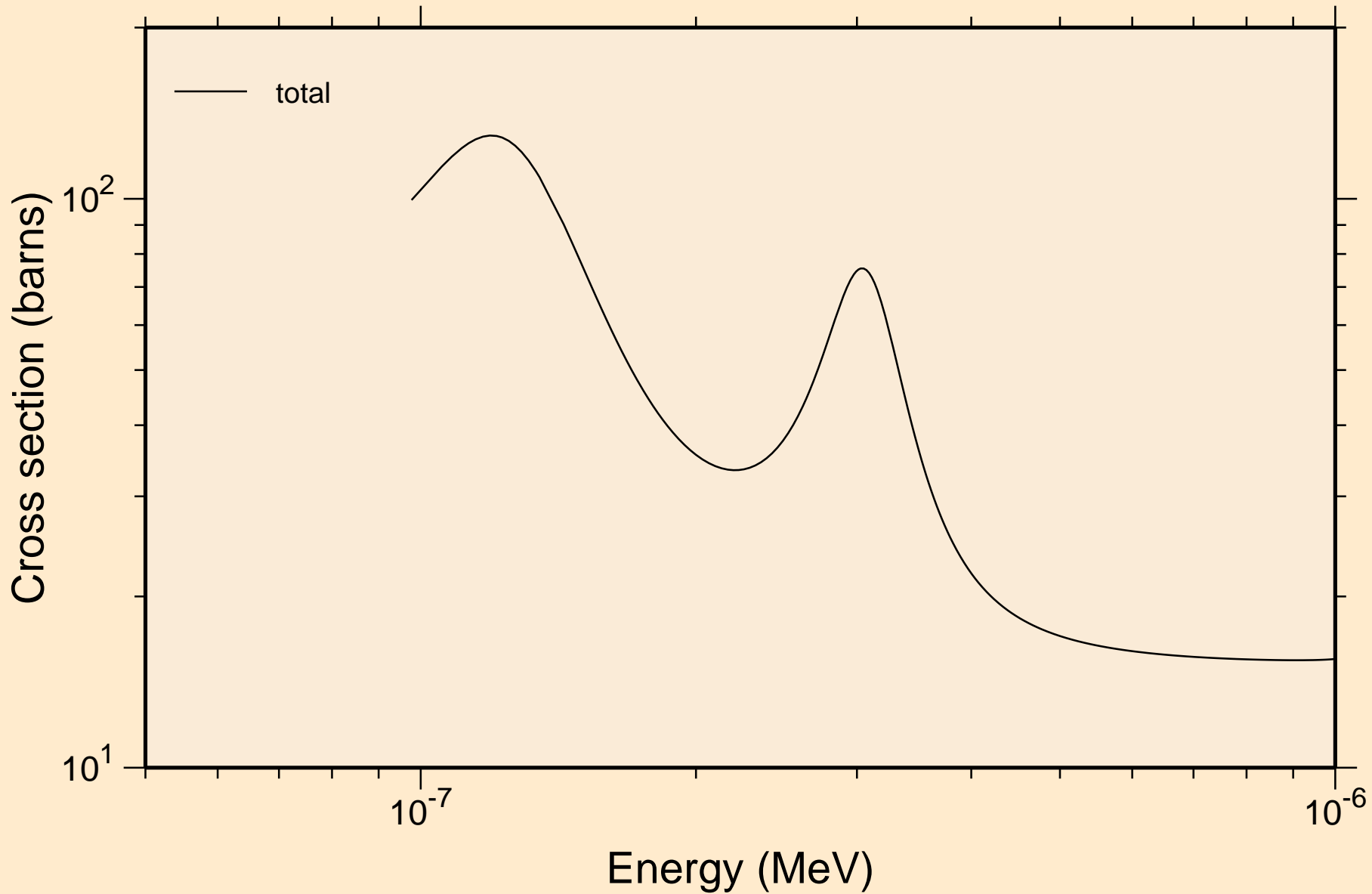


# IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

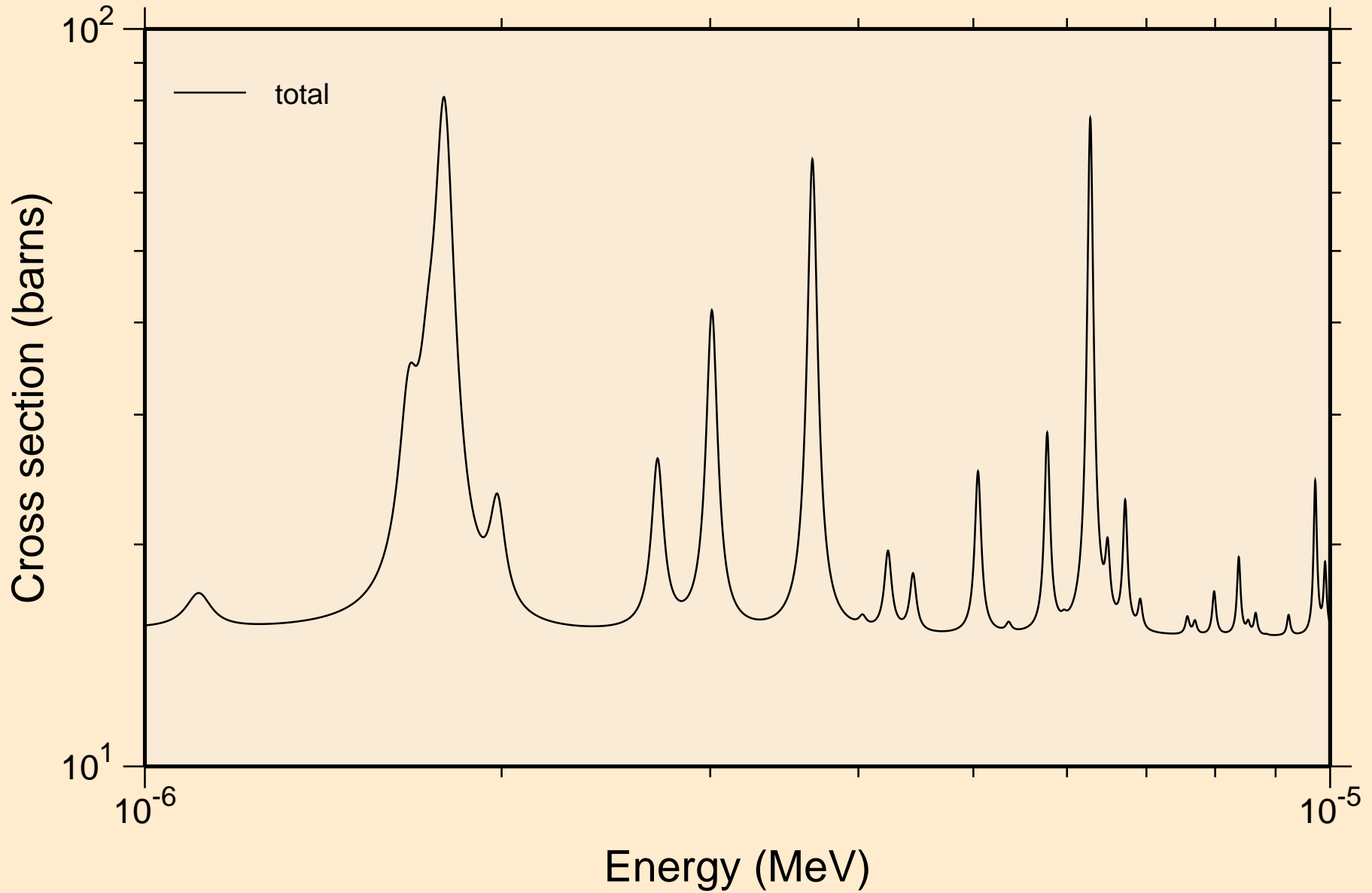
## Principal cross sections



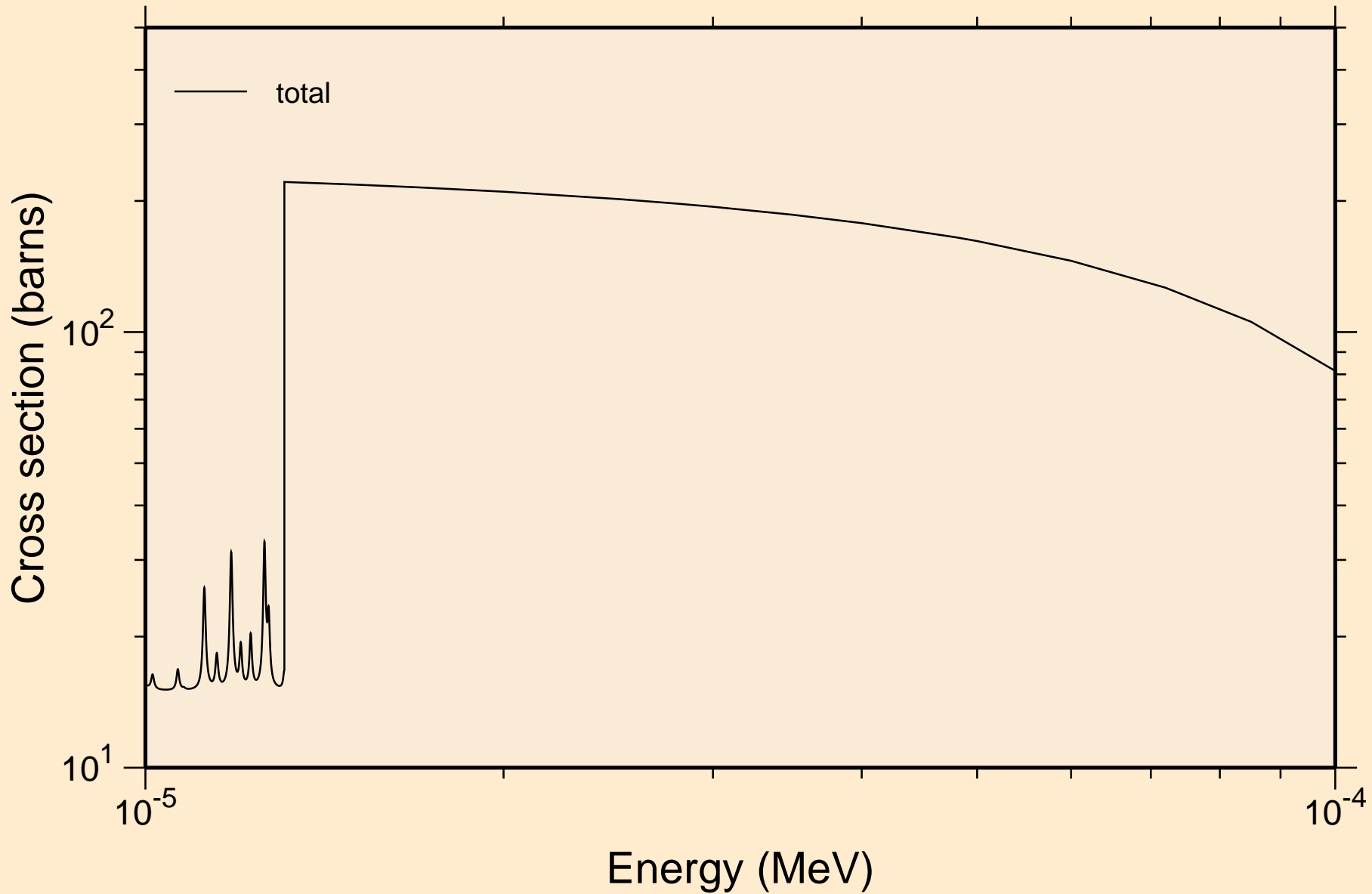
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



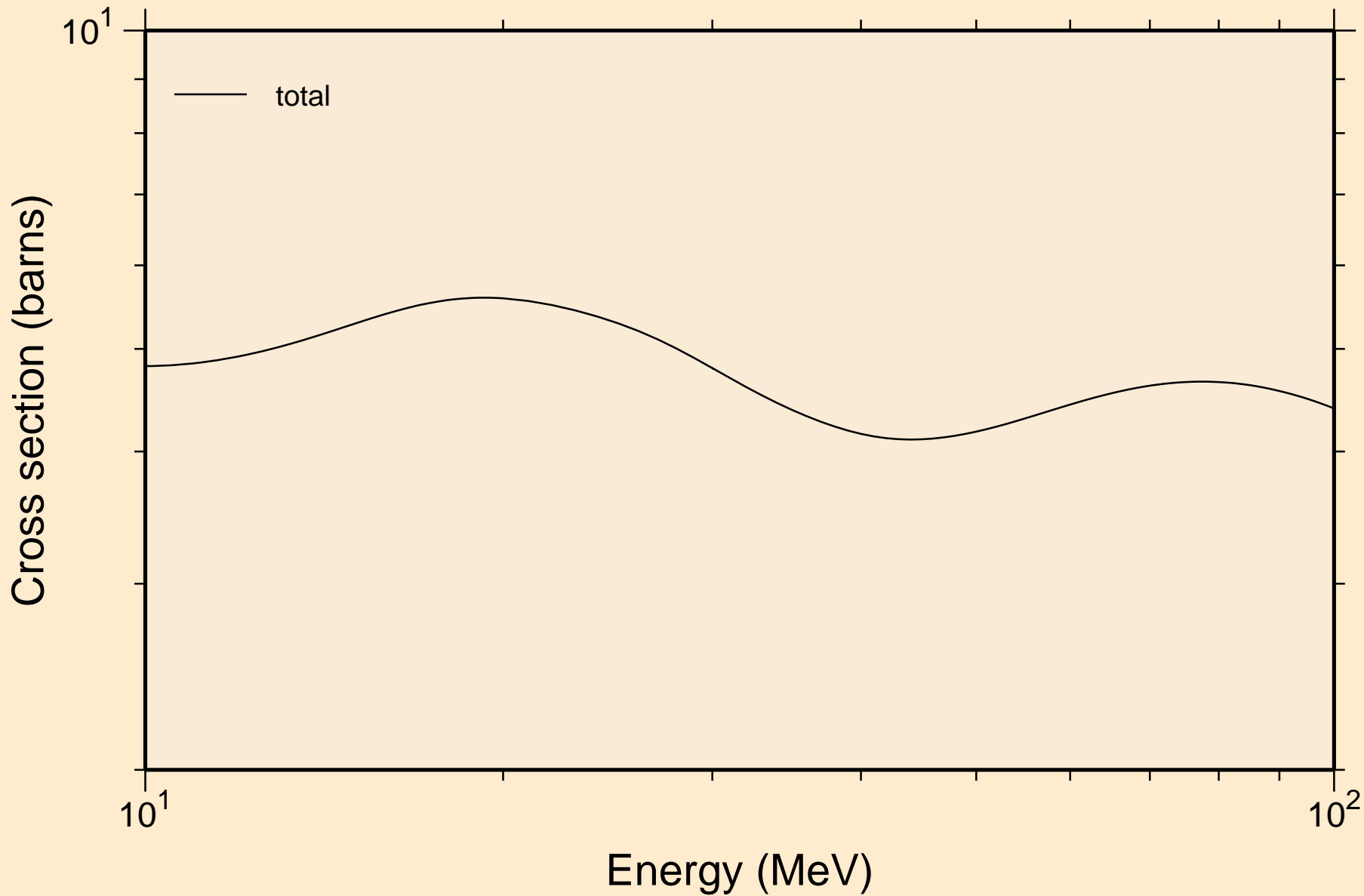
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



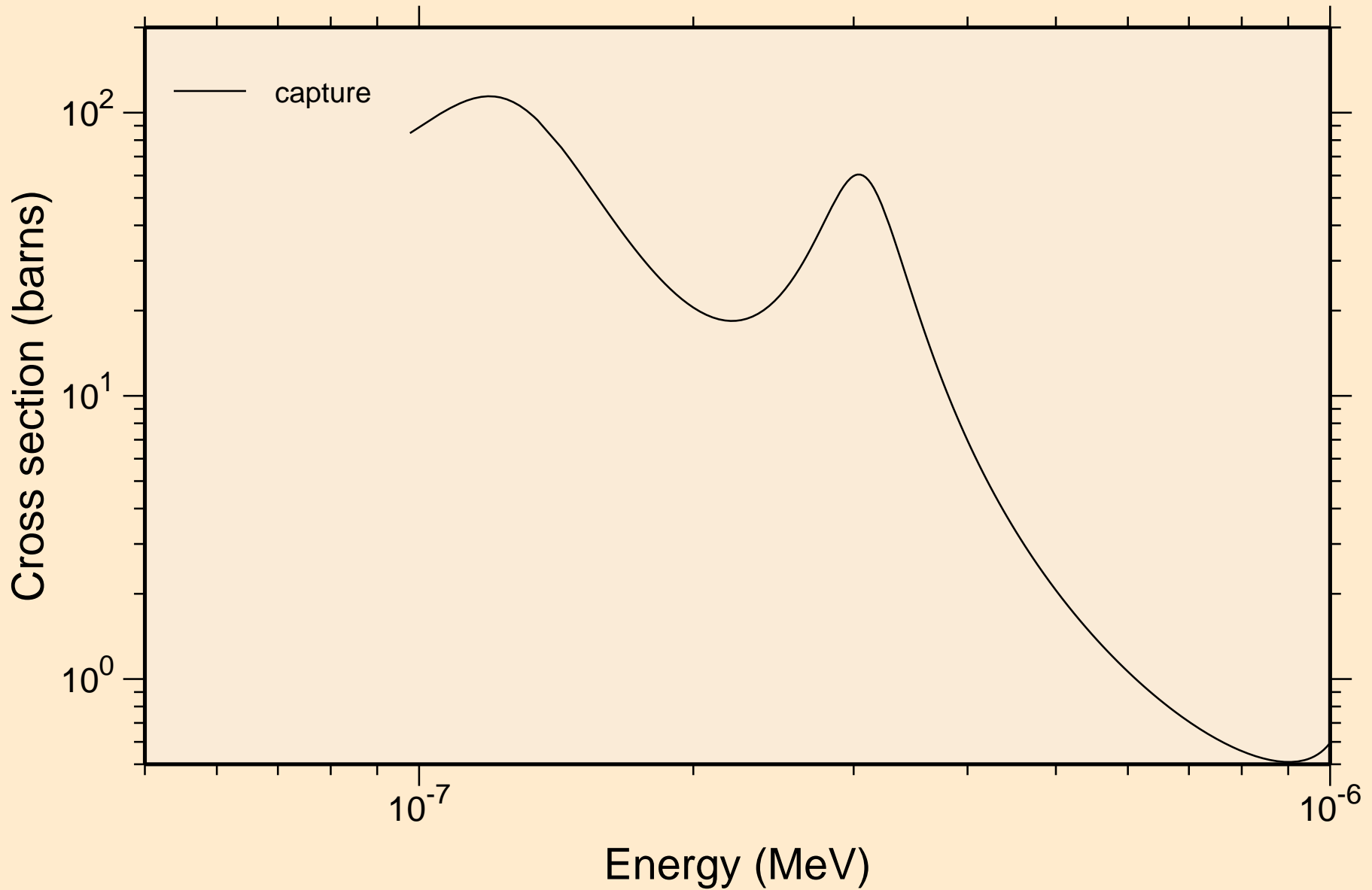
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



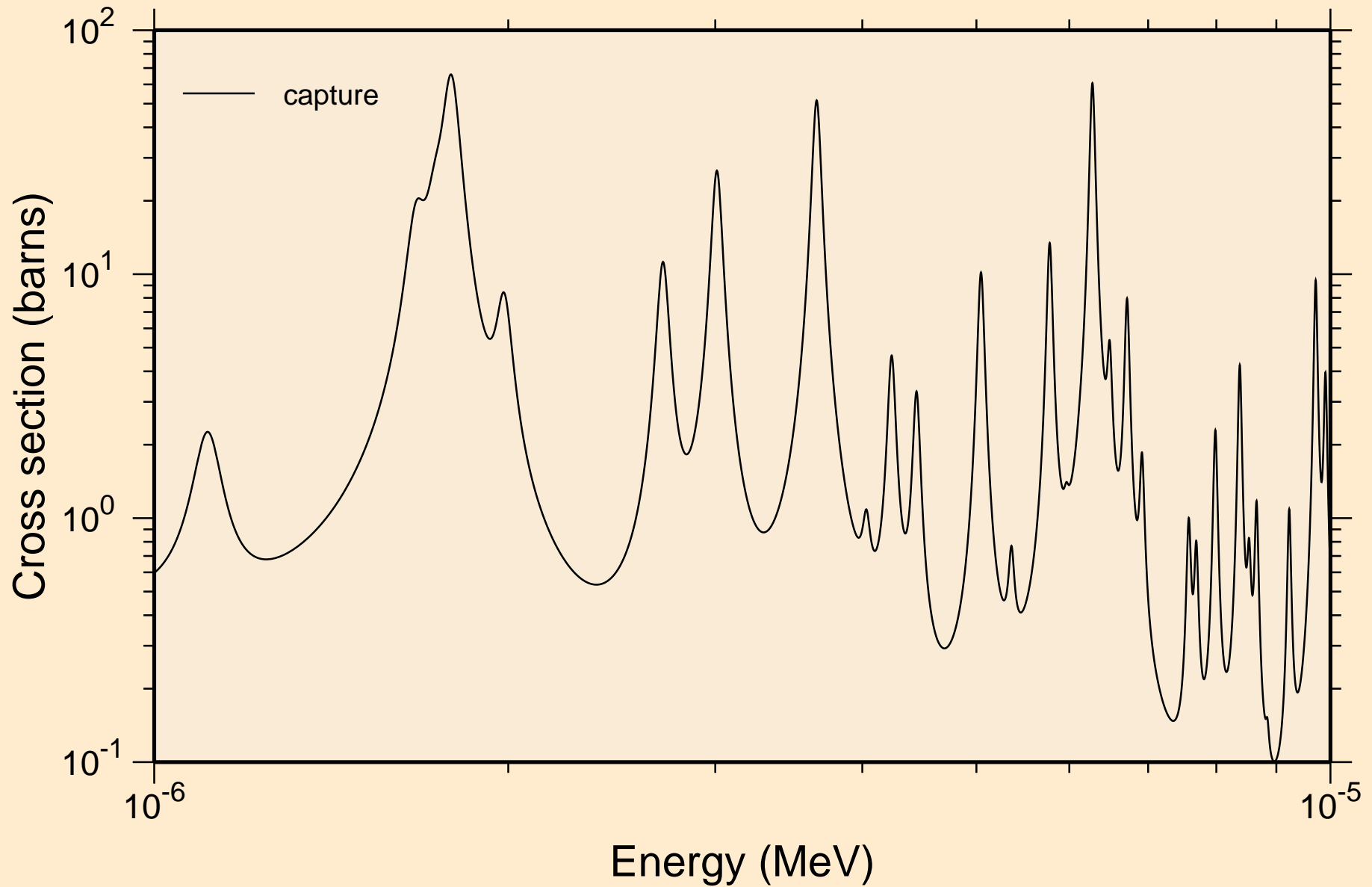
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



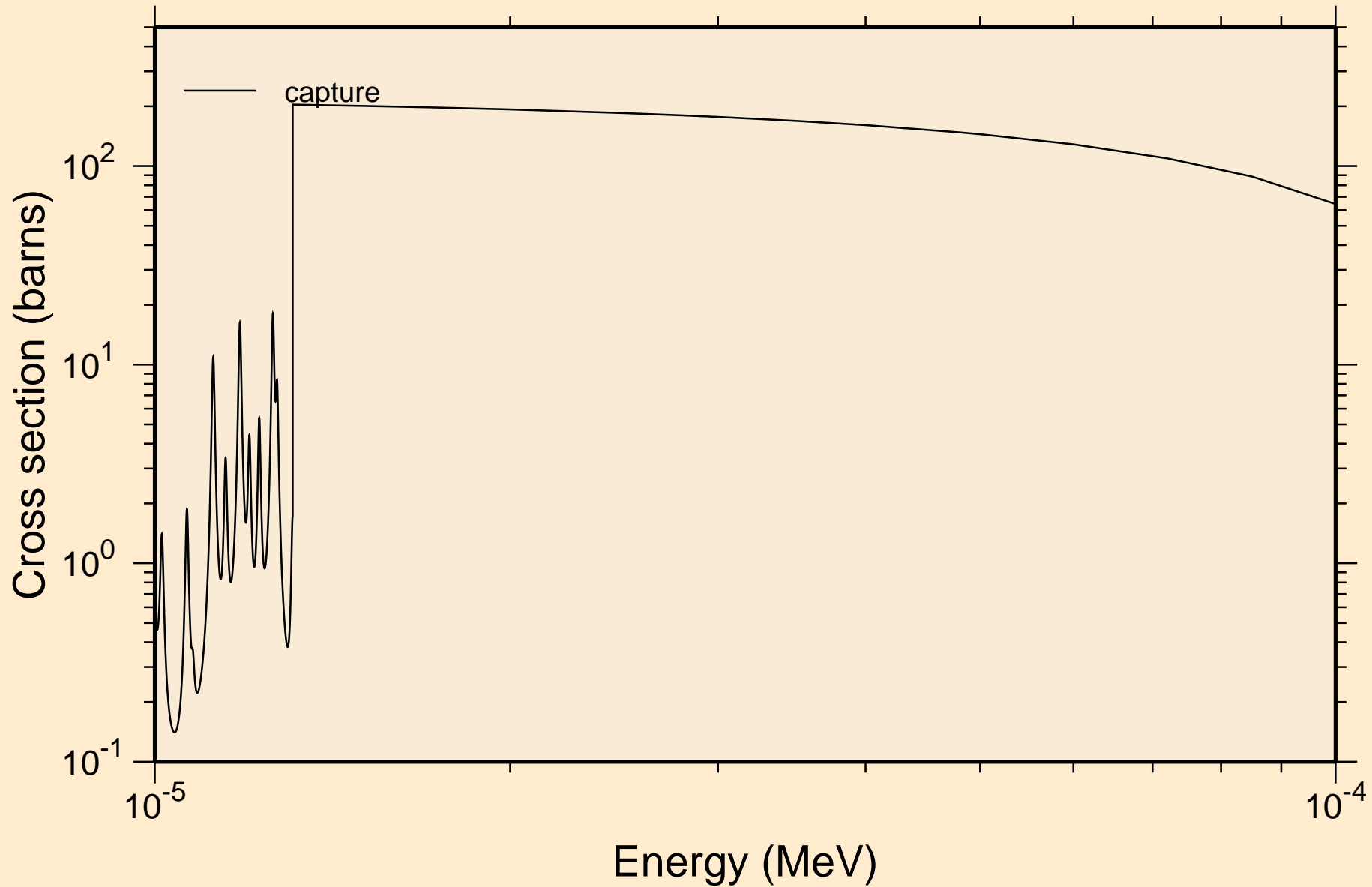
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

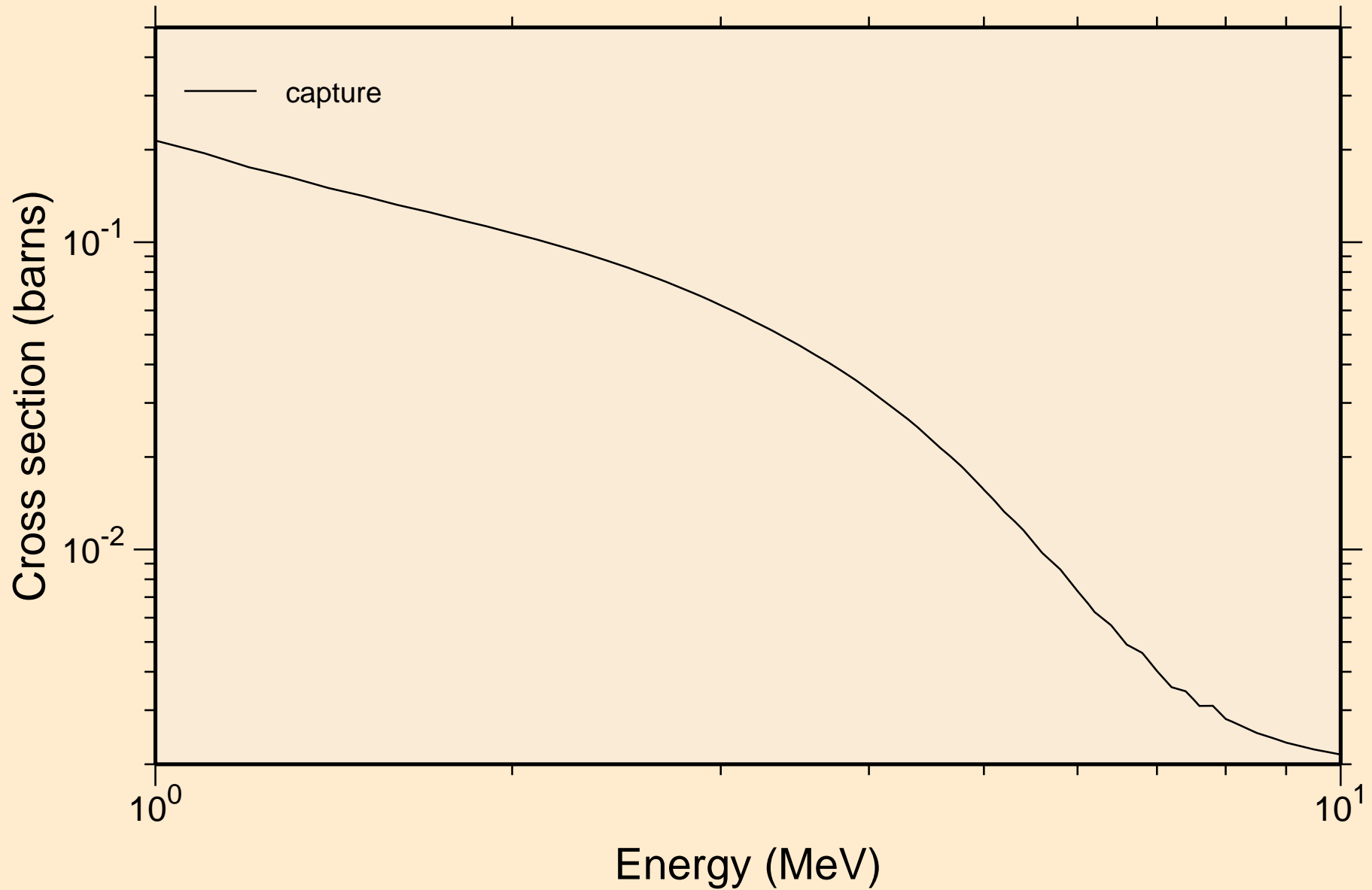


IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



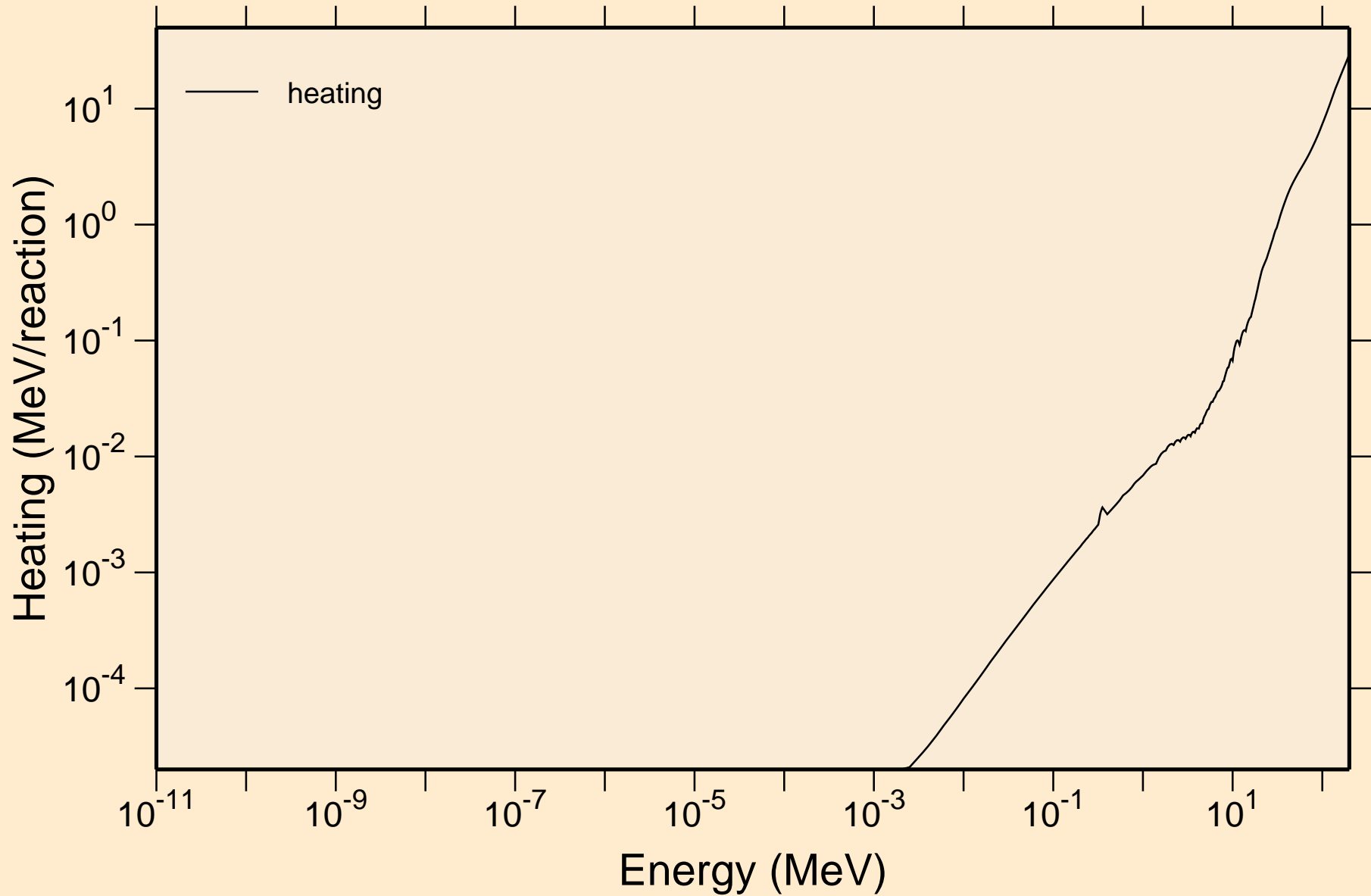


IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

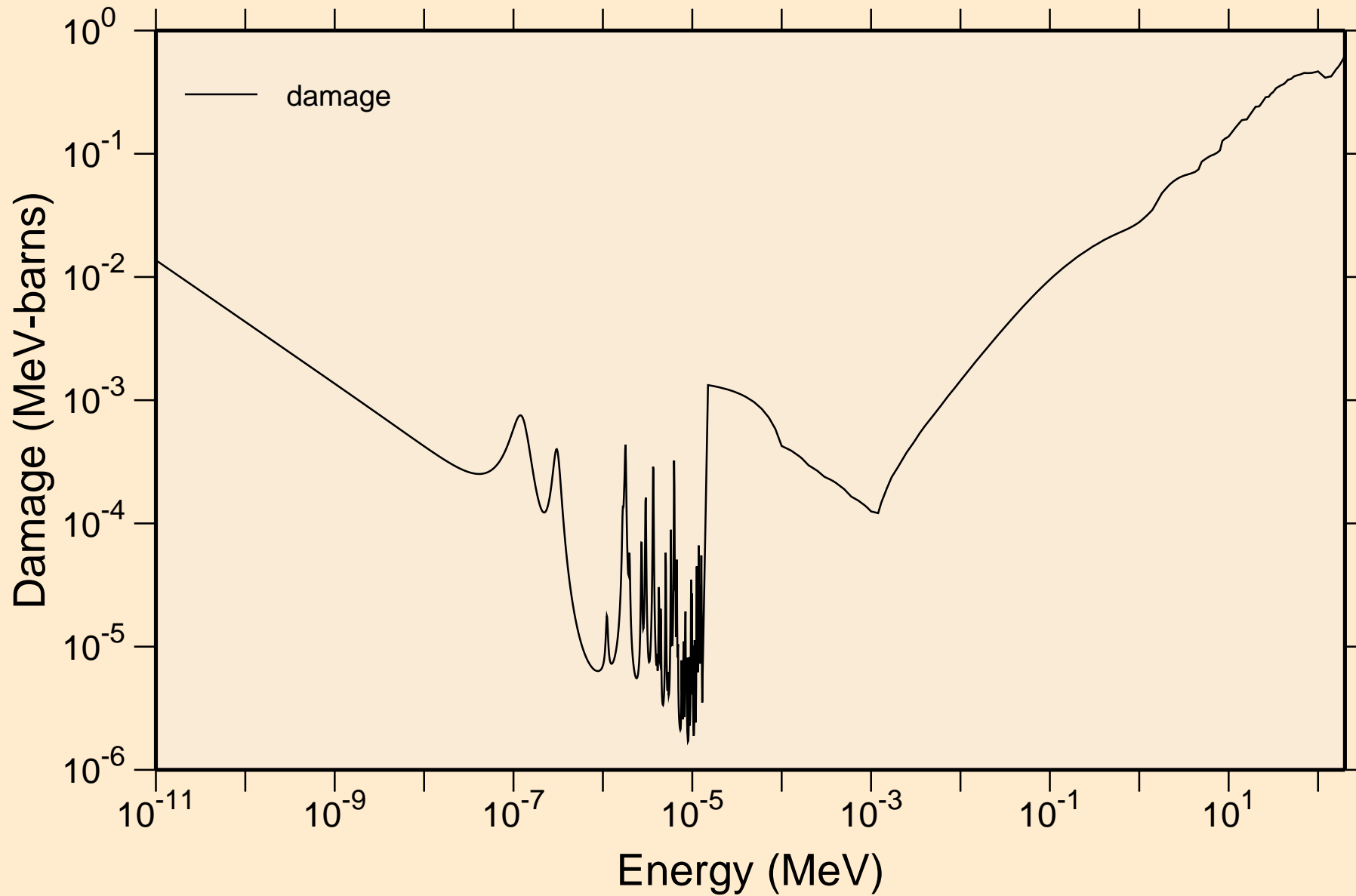


# IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

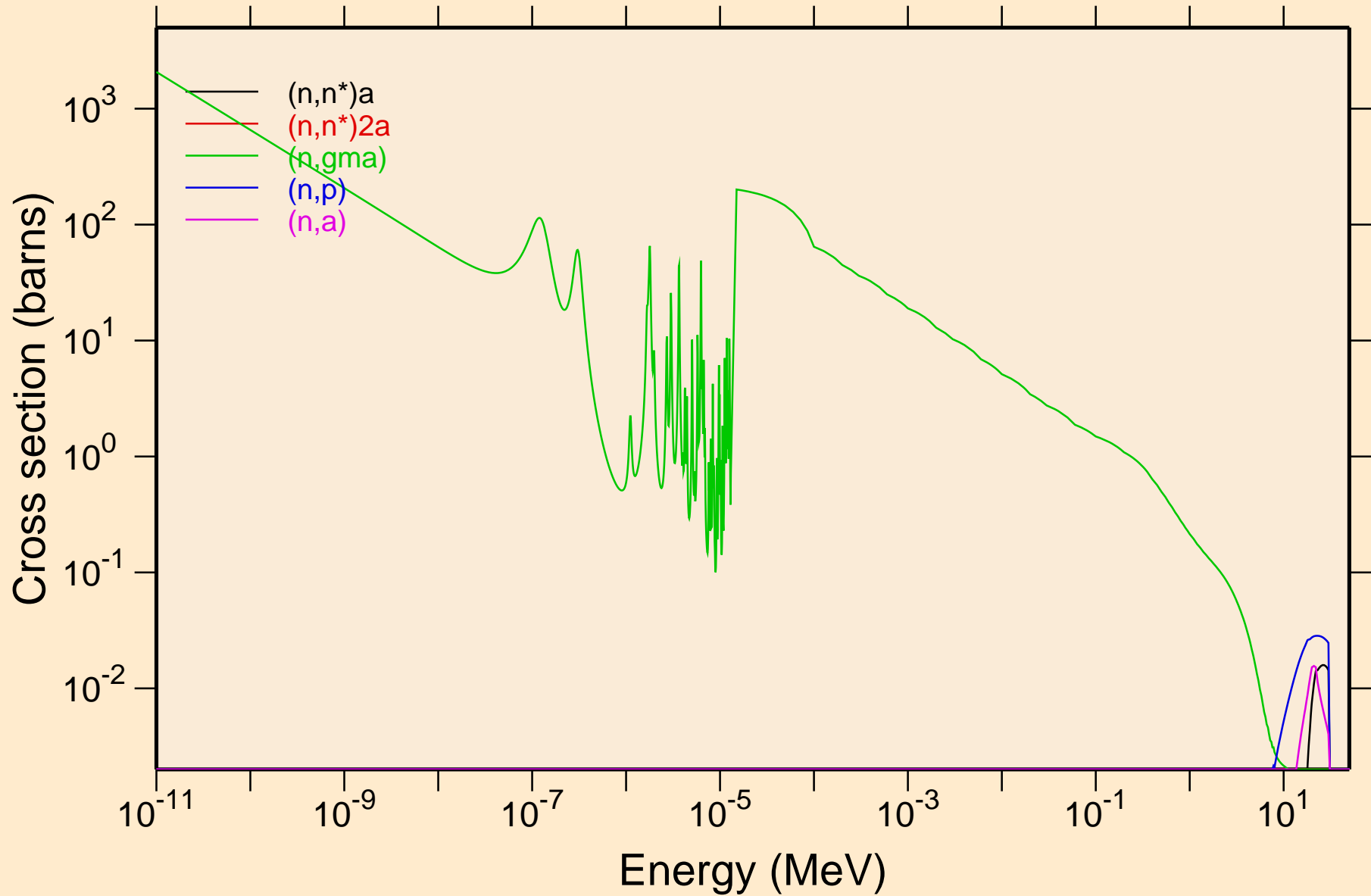
## Heating



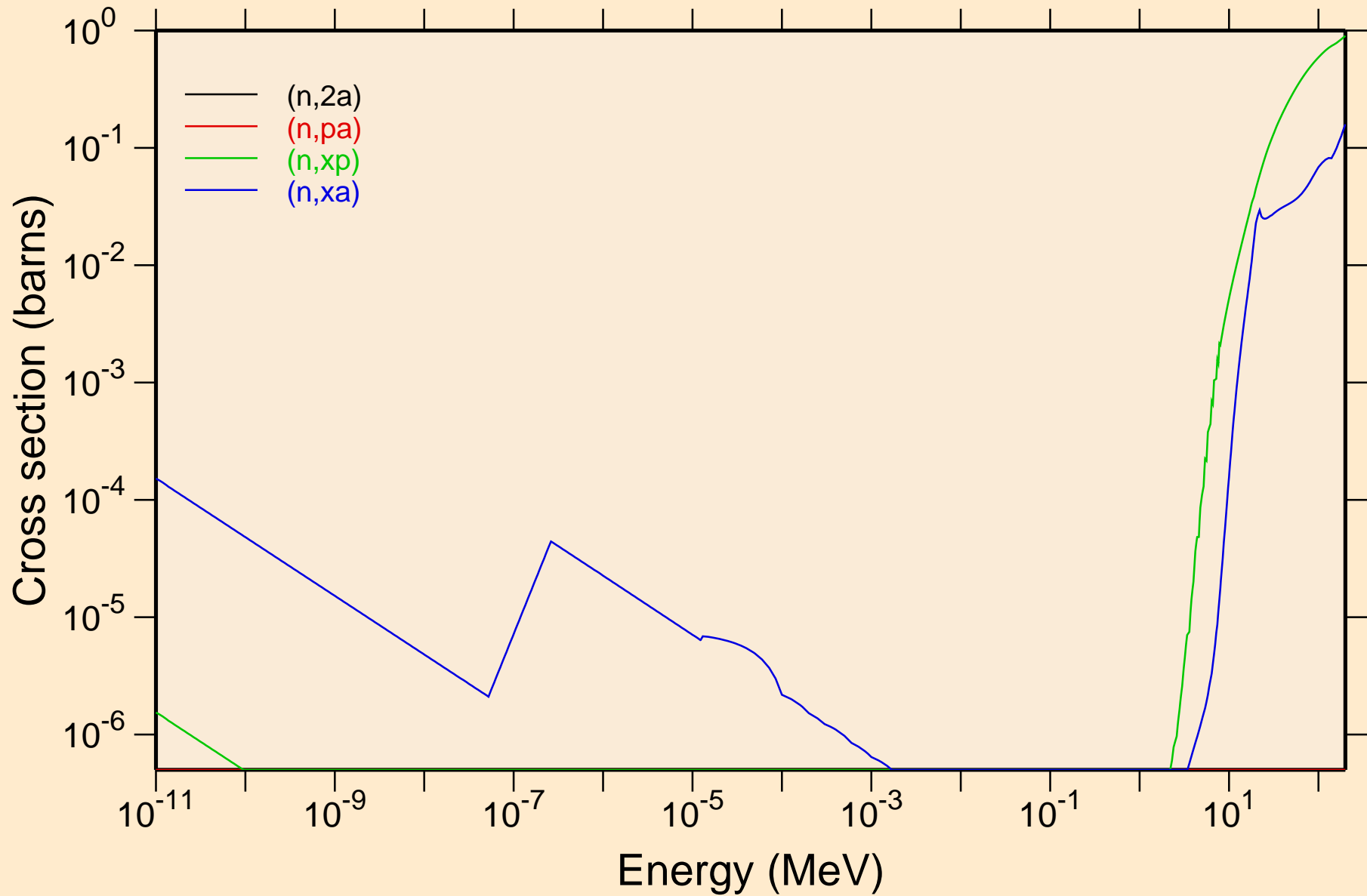
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage



IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

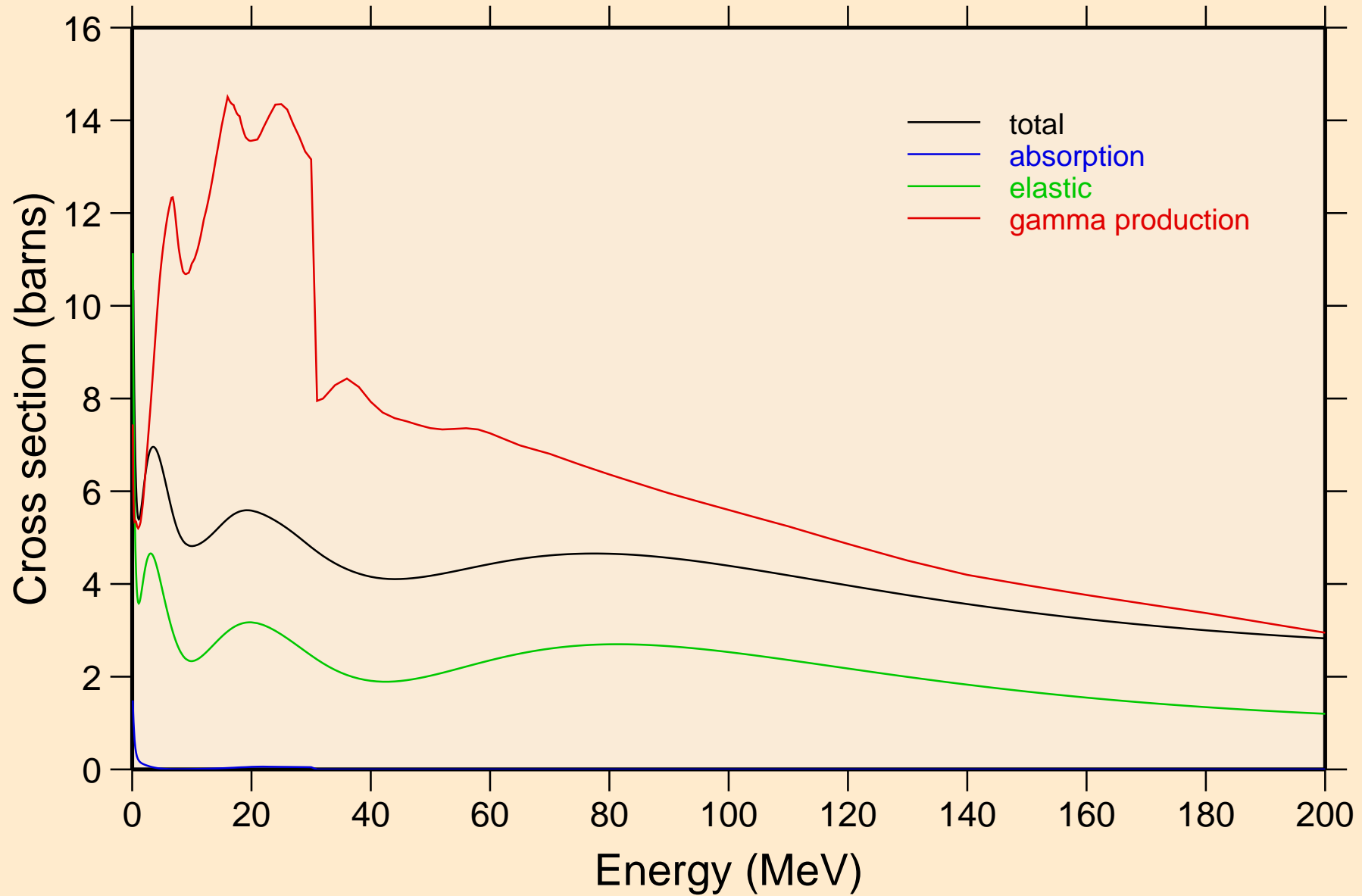


IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



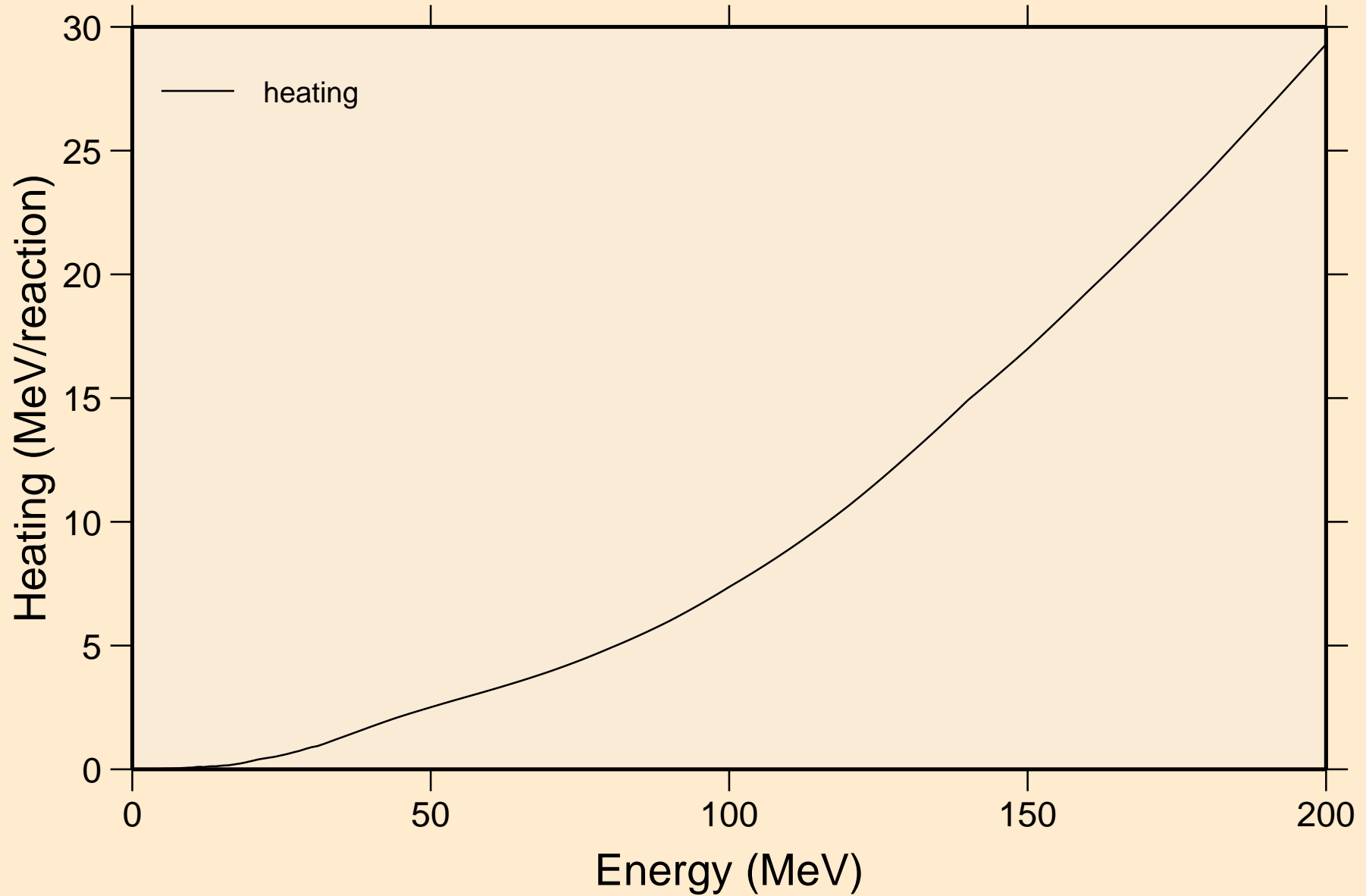
# IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



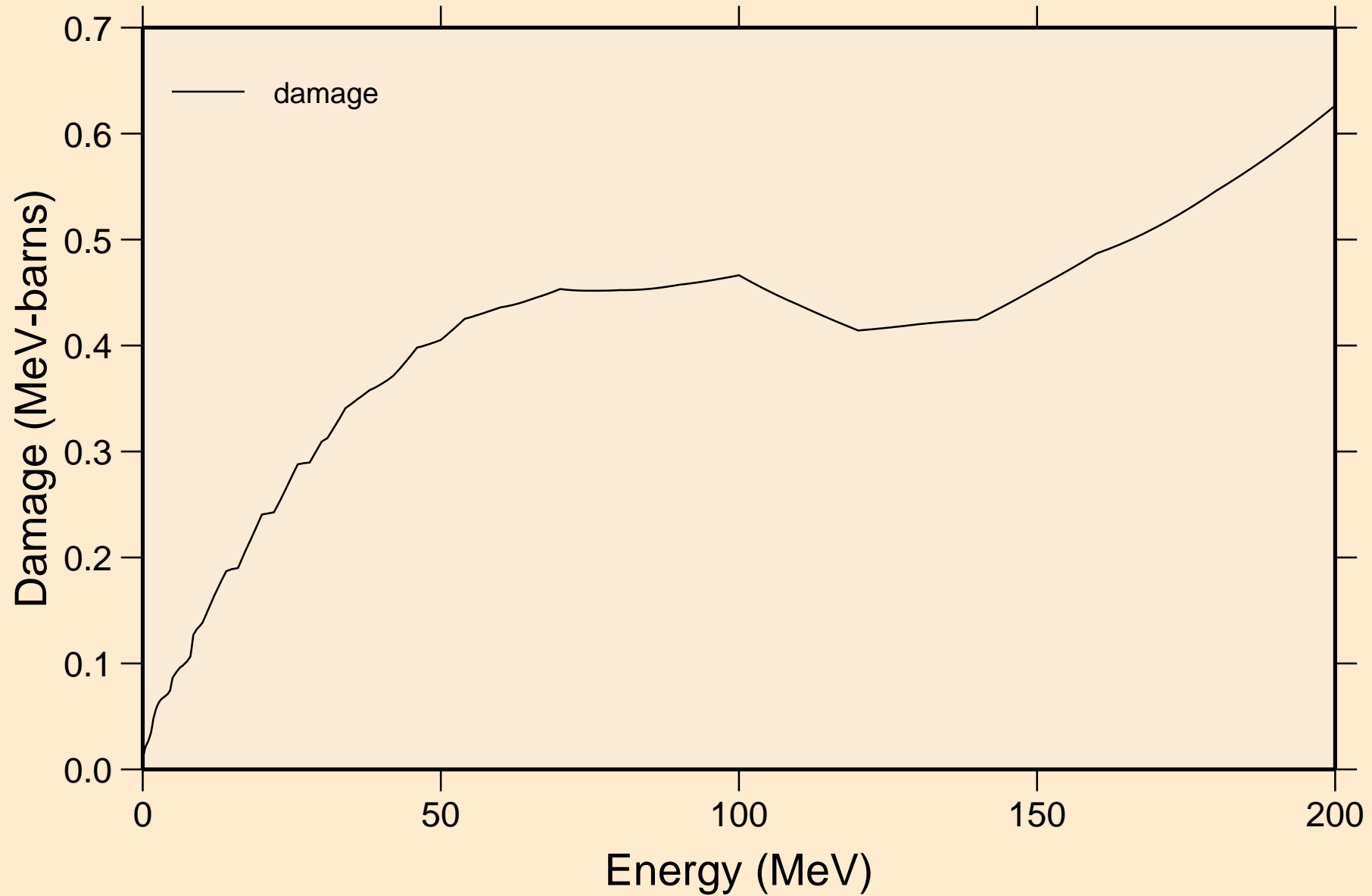
# IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



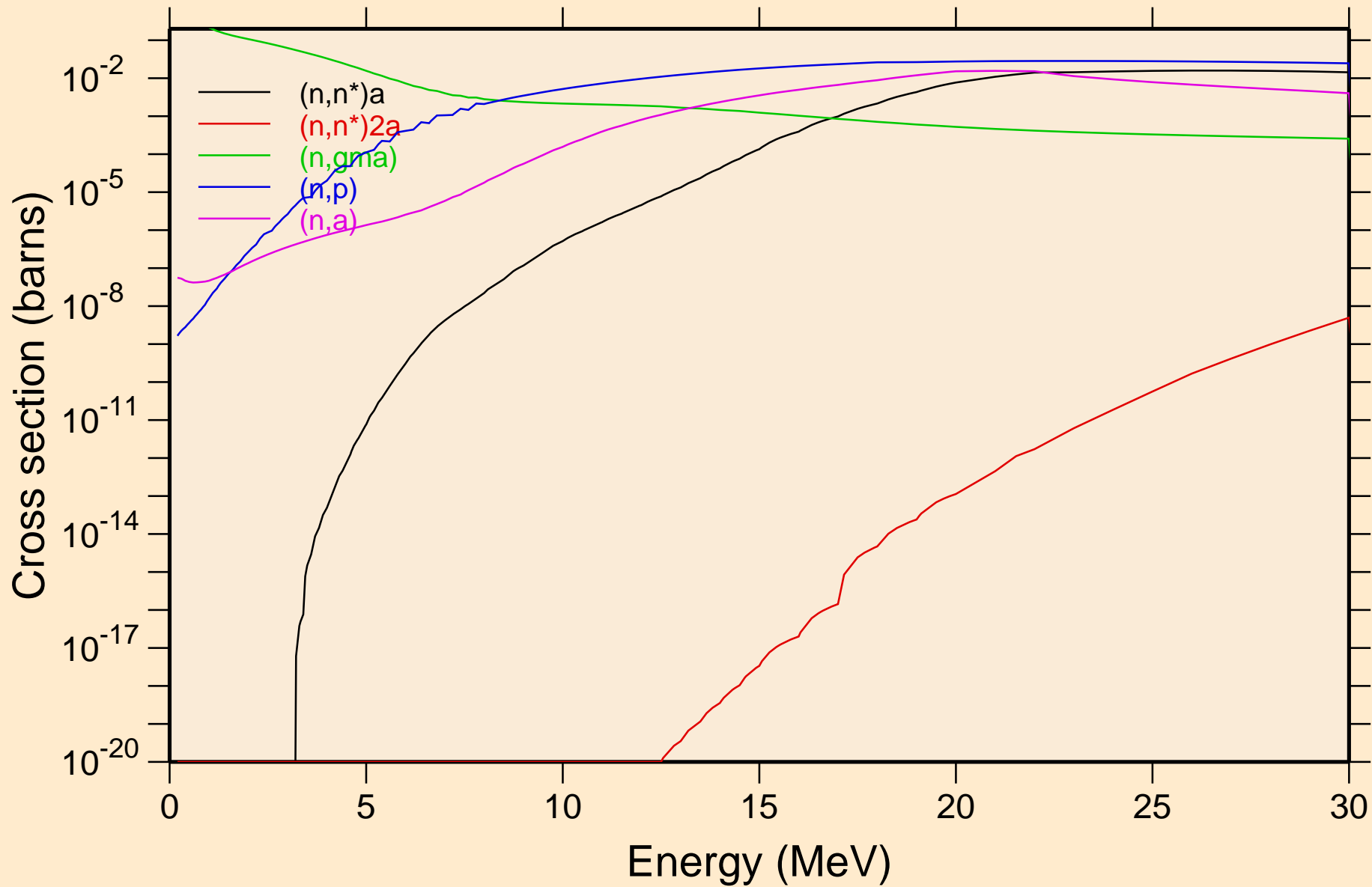
# IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage

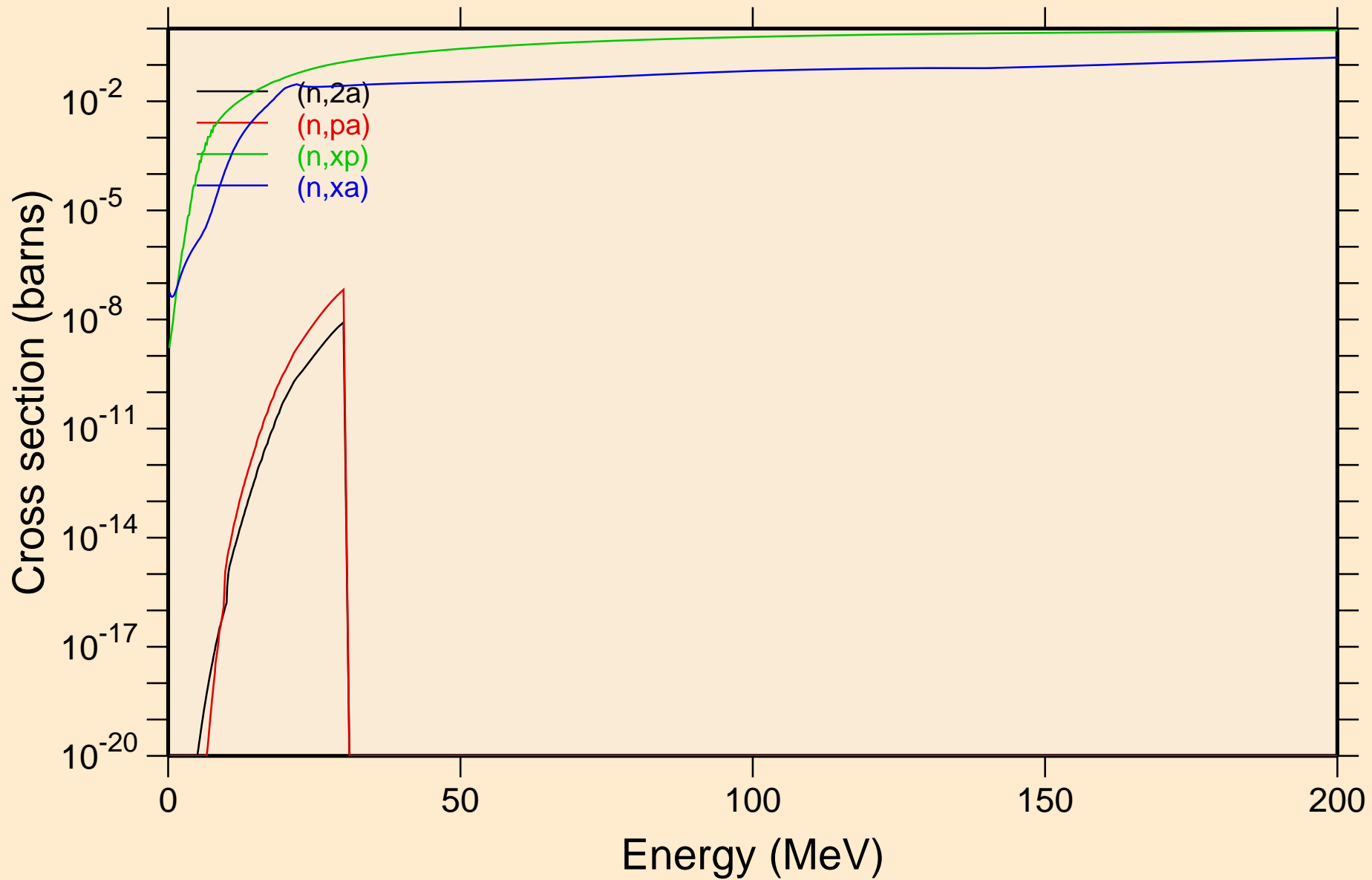




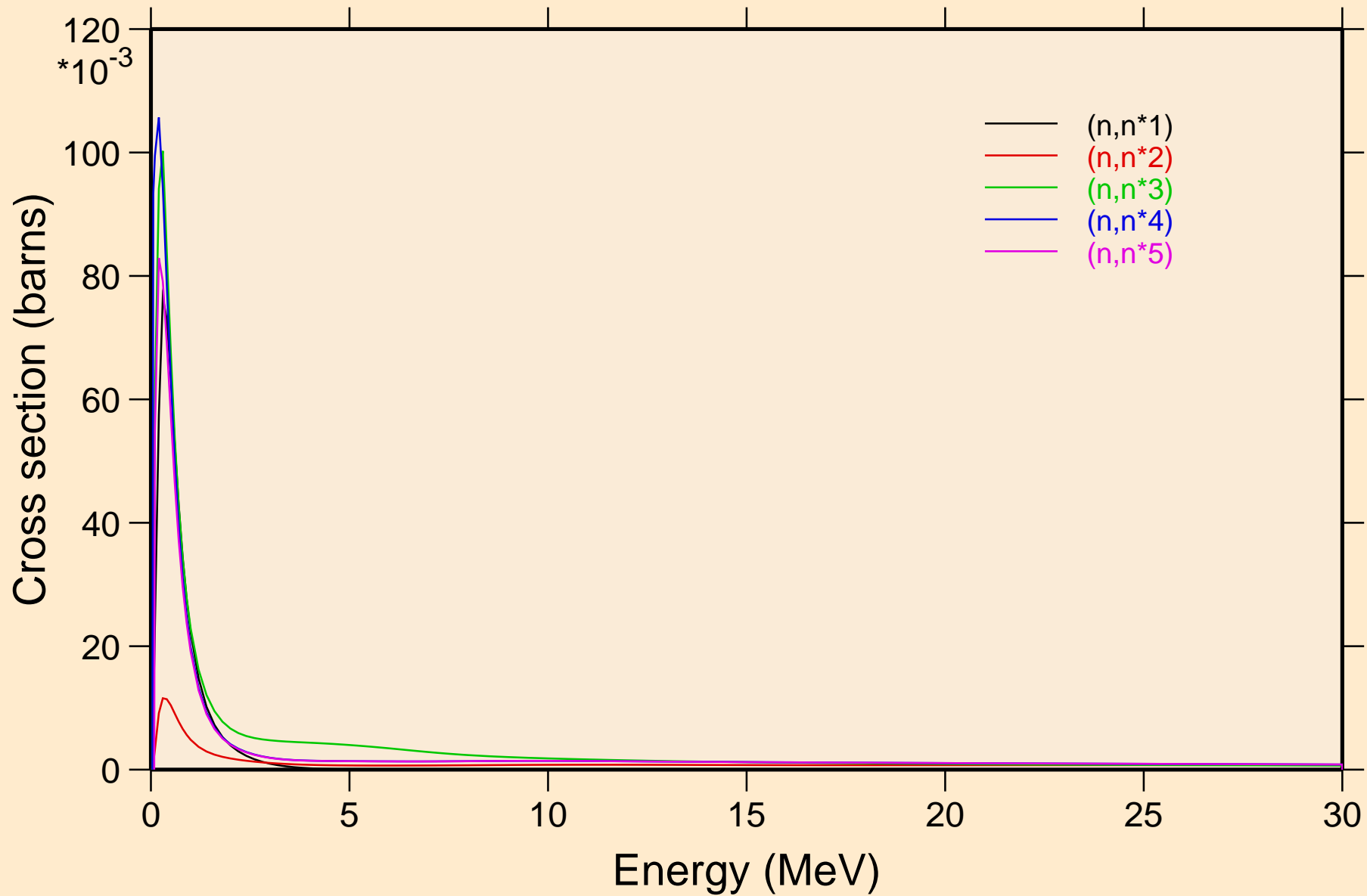
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



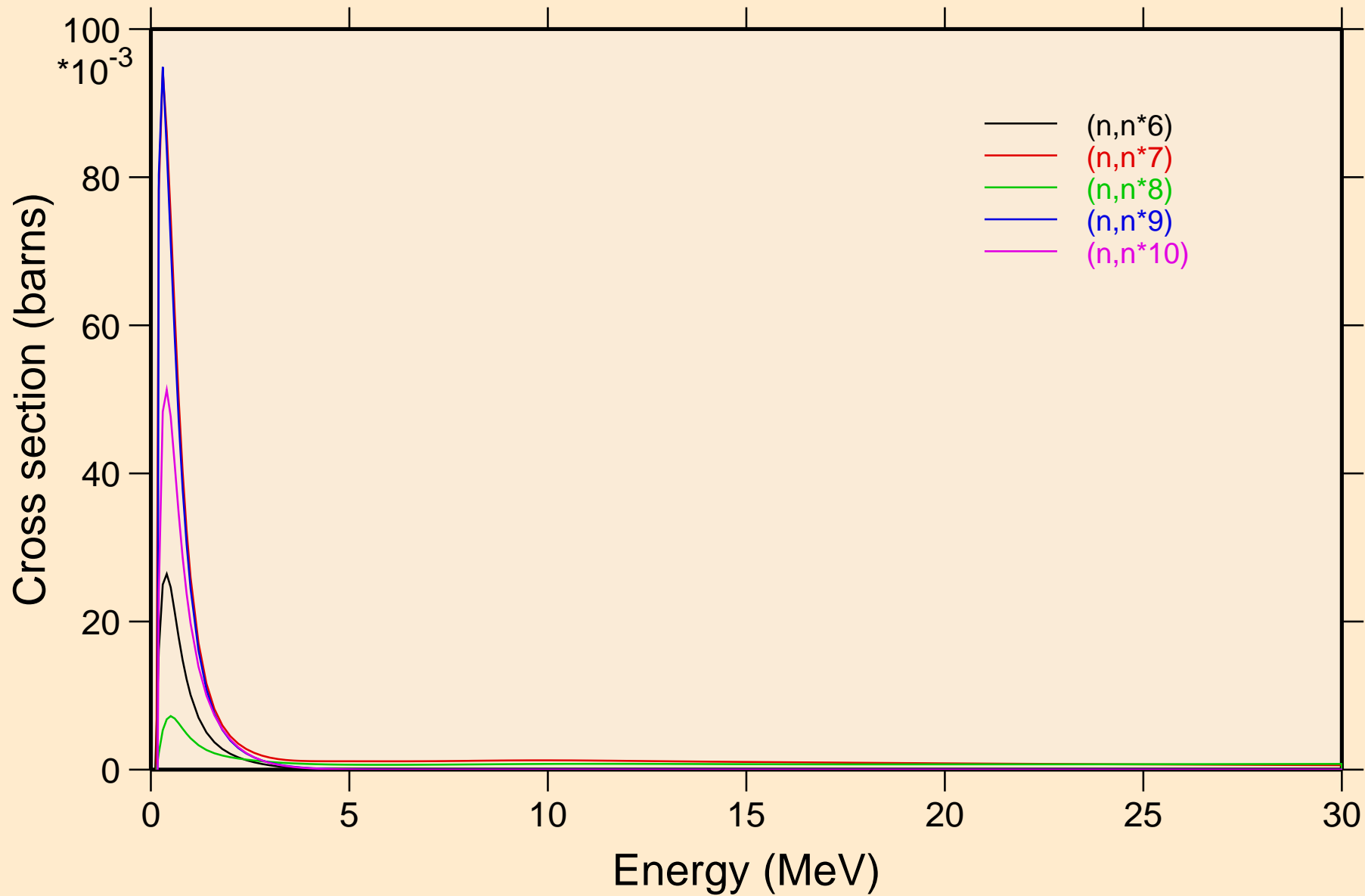
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



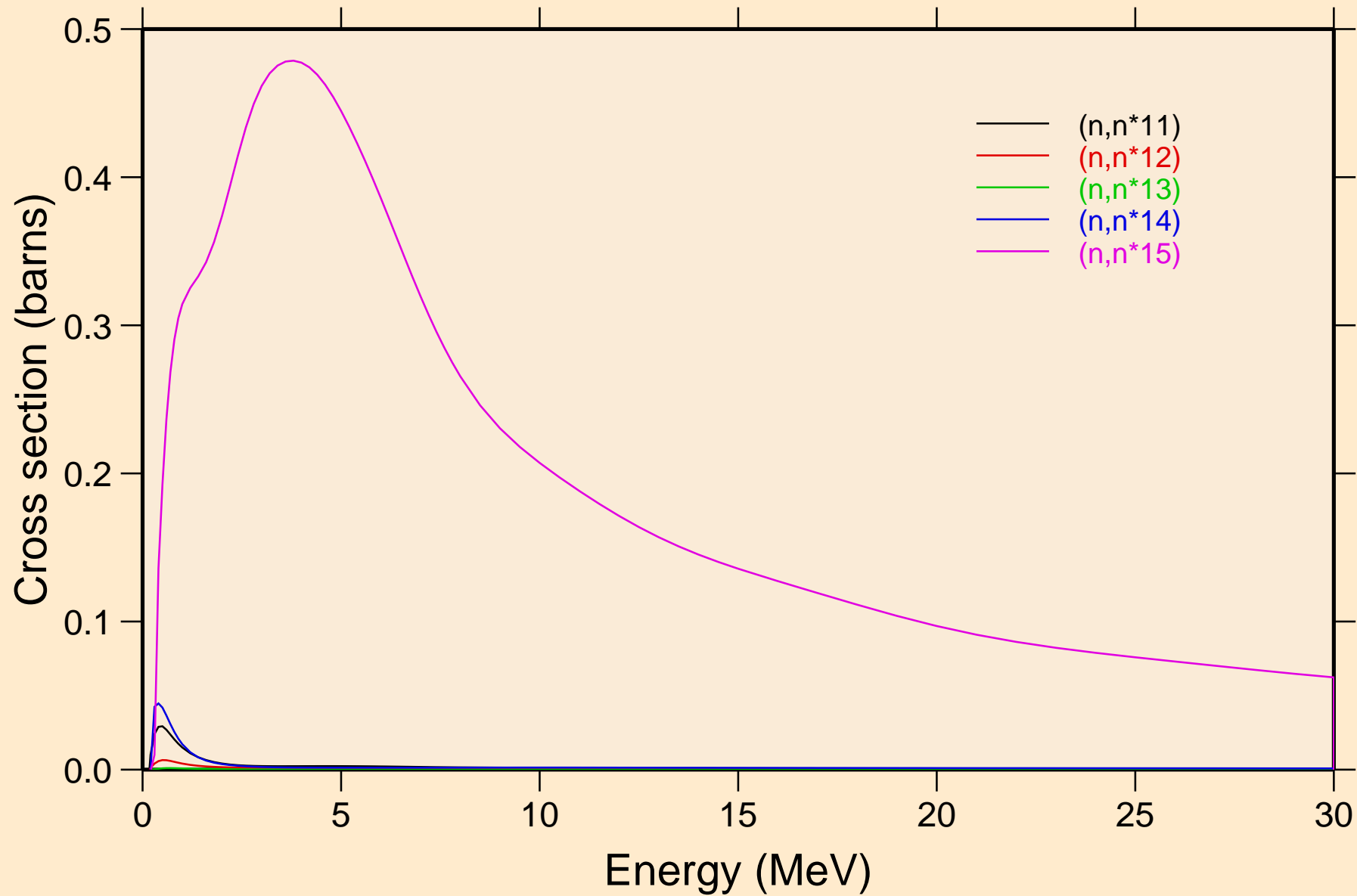
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



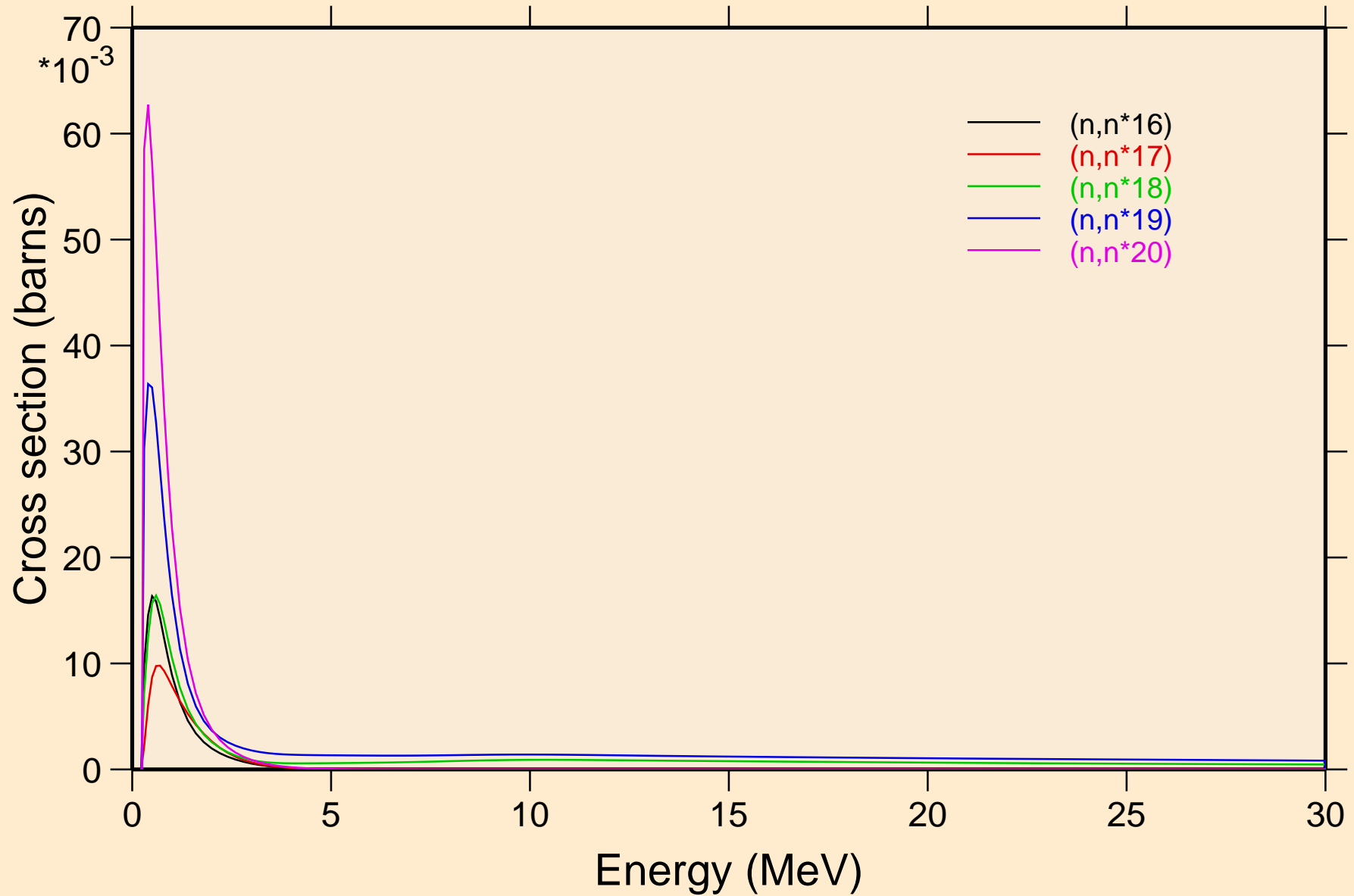
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



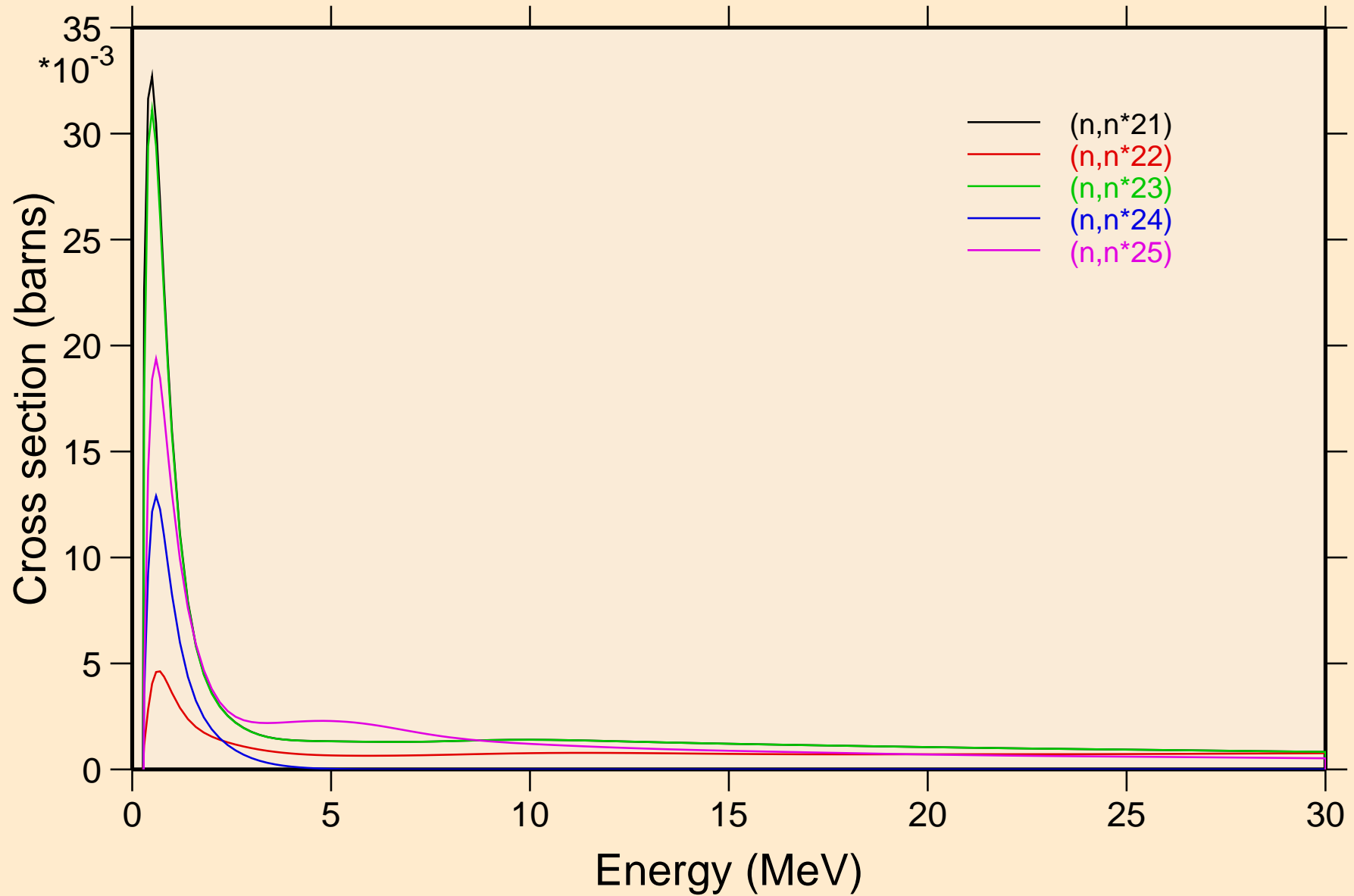
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



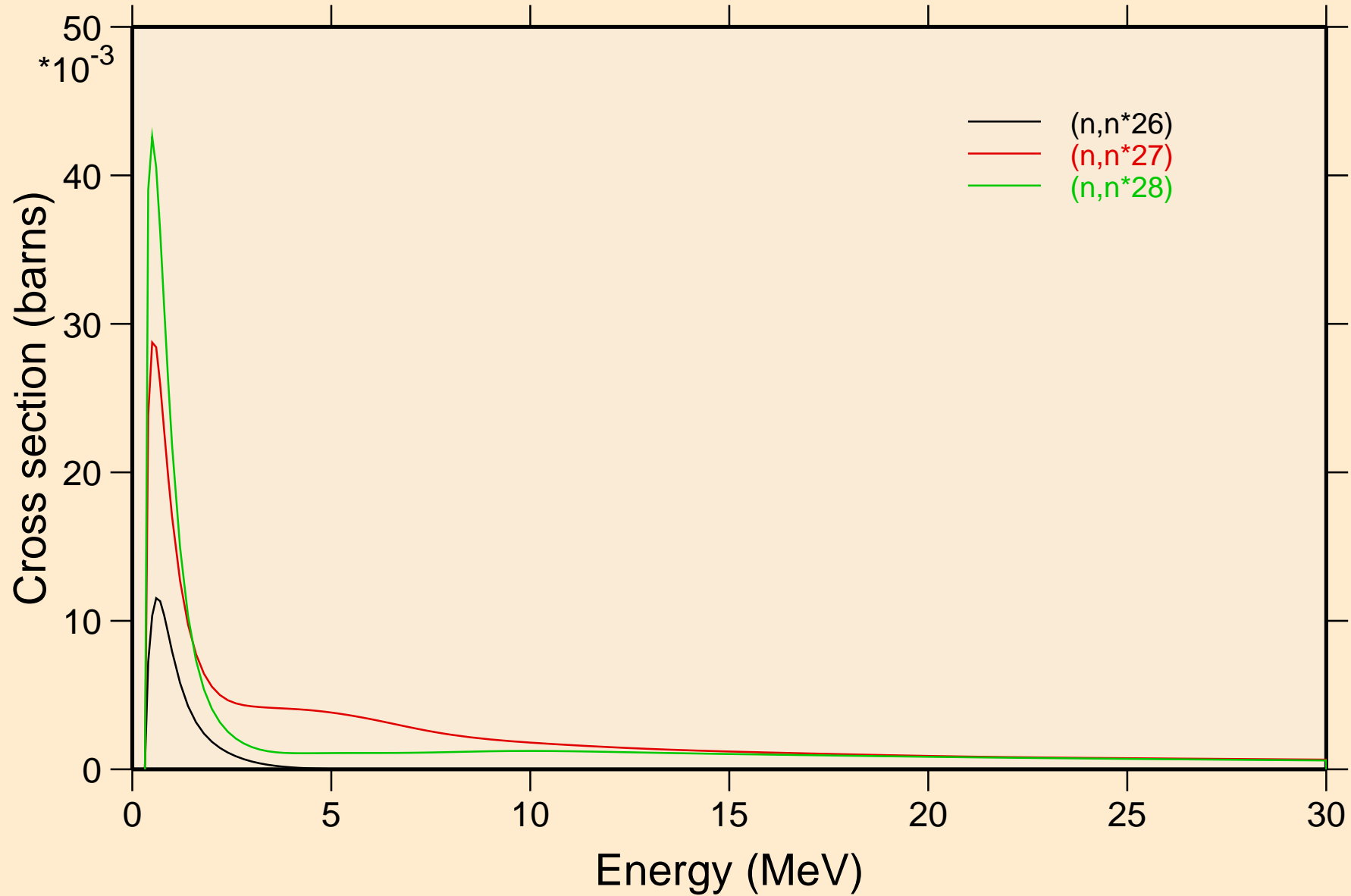
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



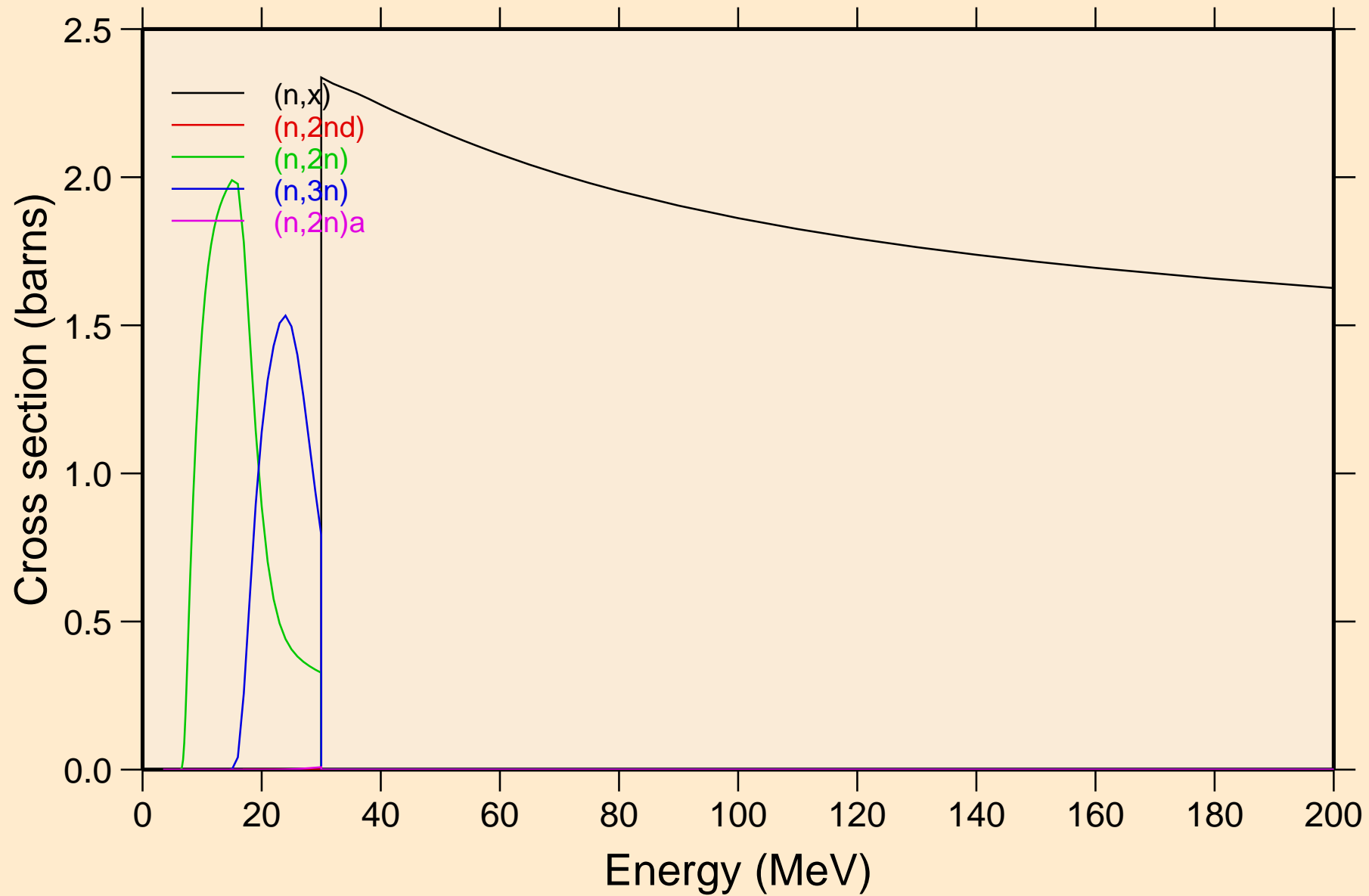
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels





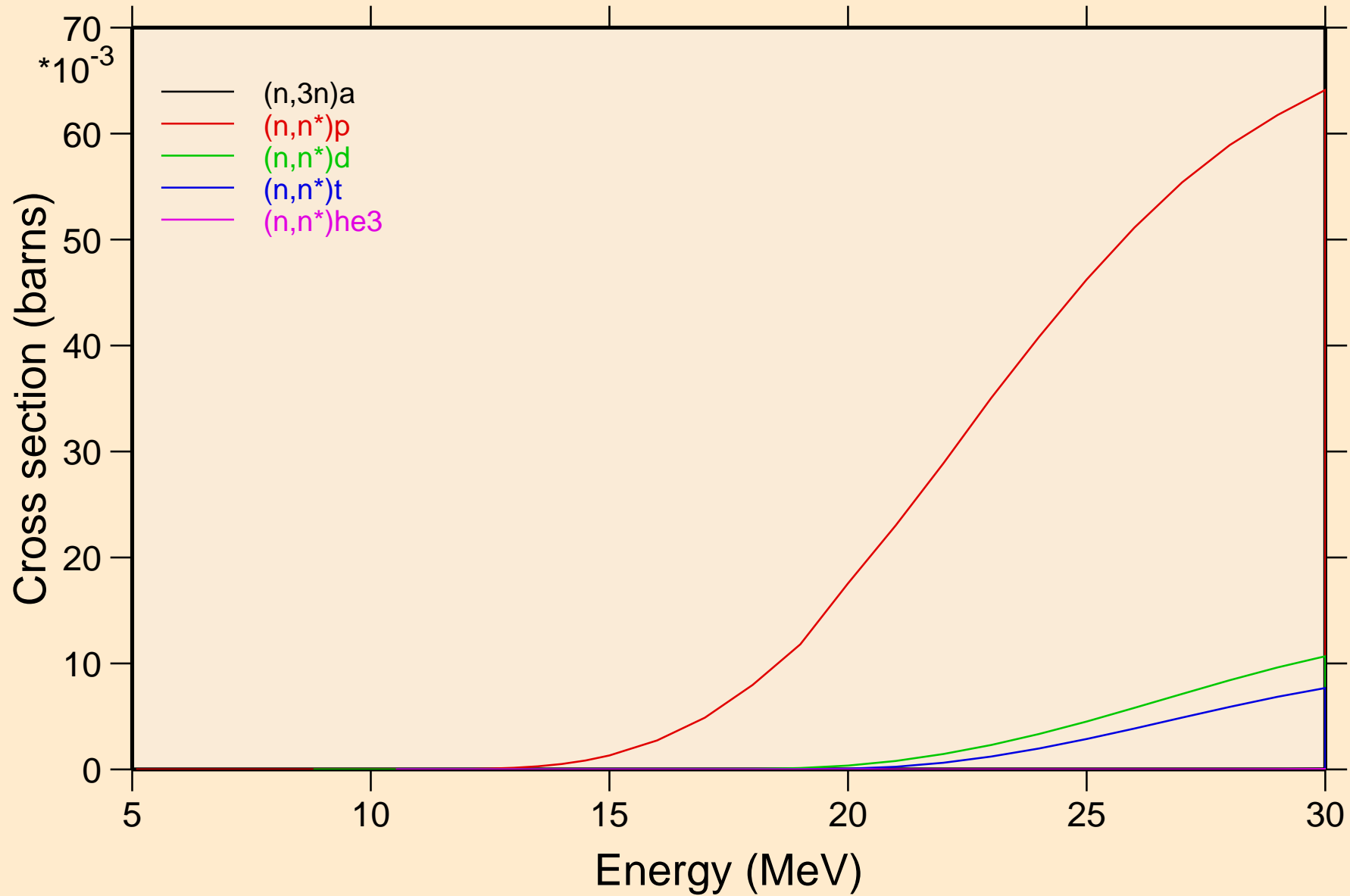
# IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

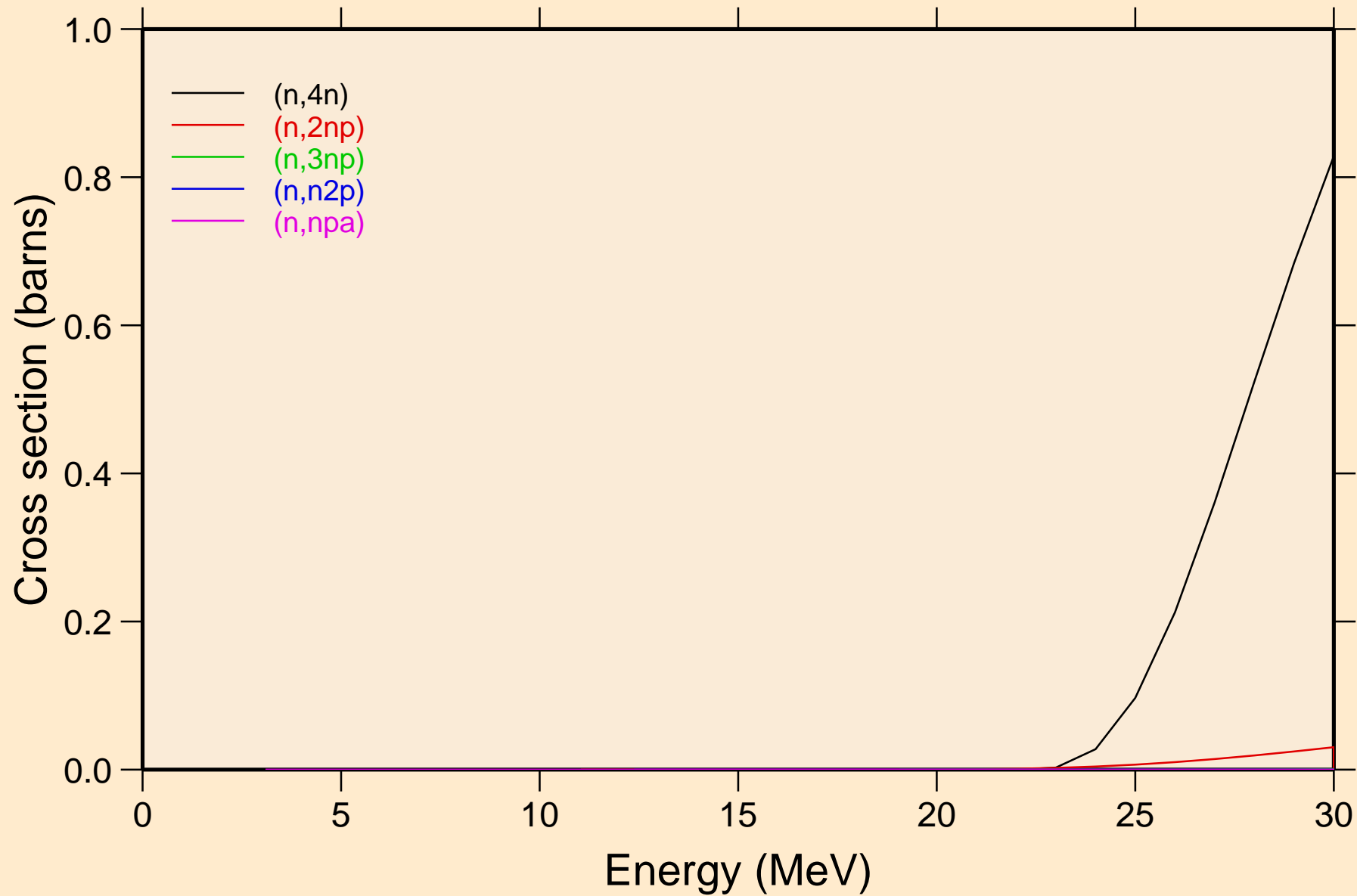


# IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

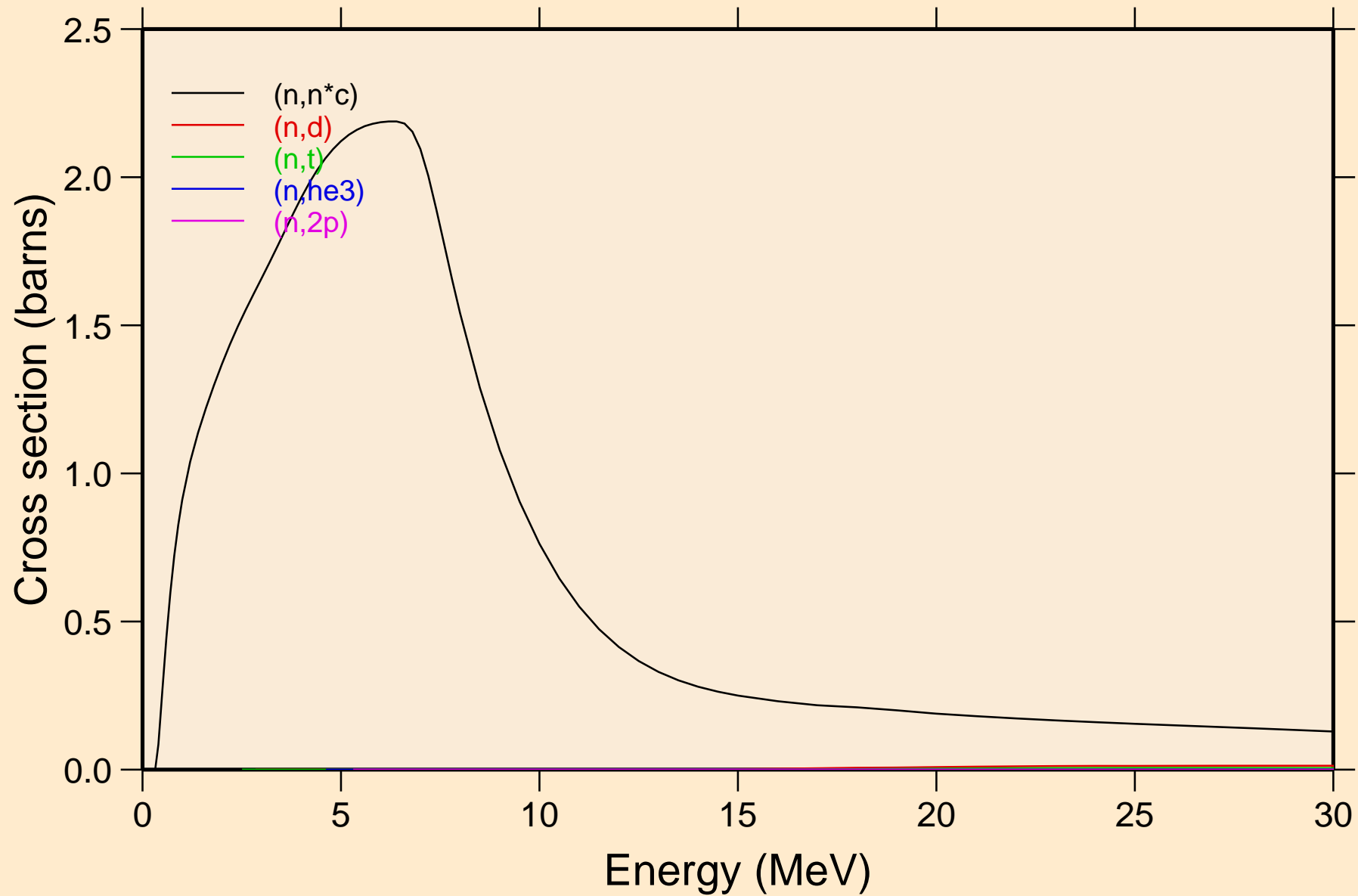
## Threshold reactions



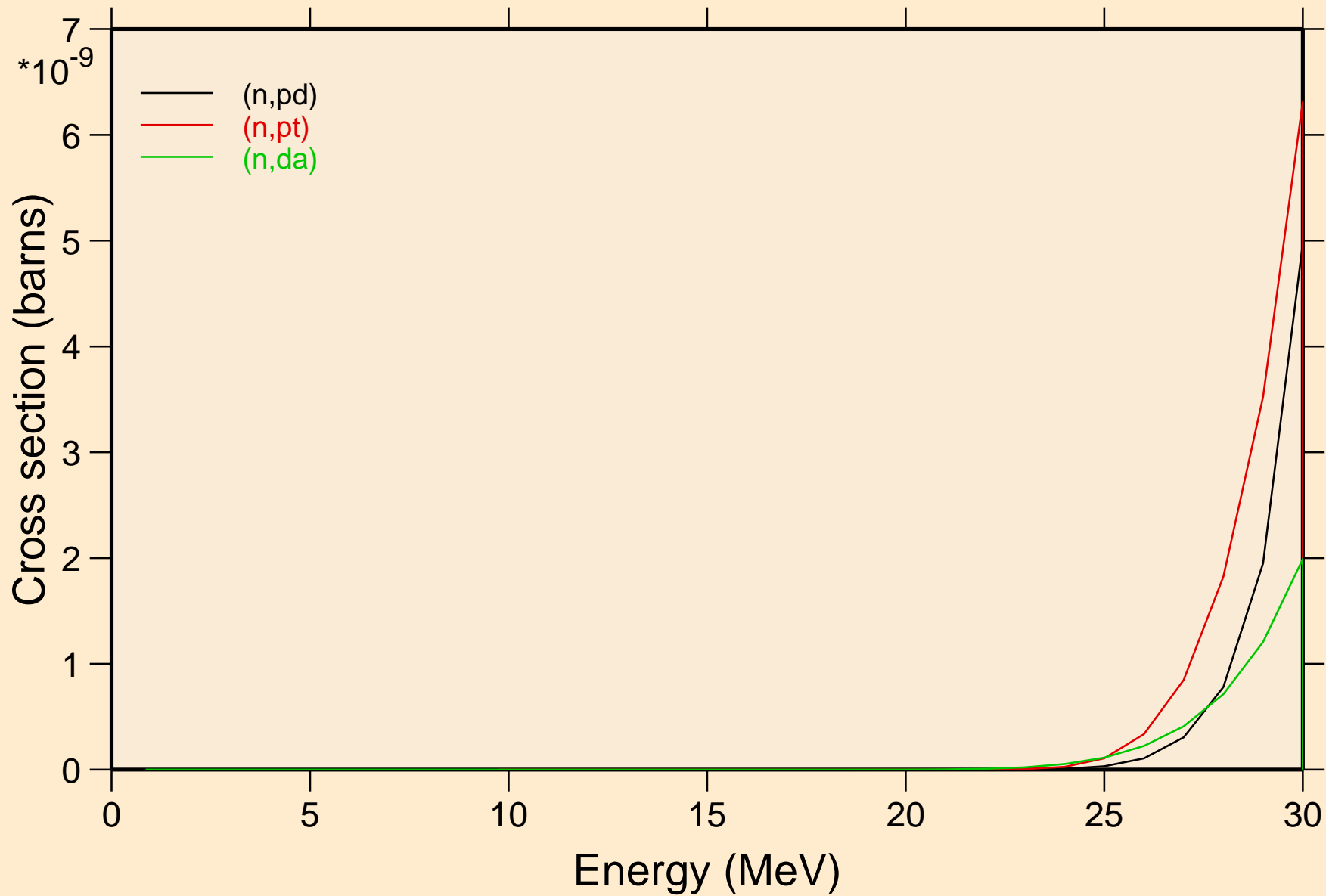
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



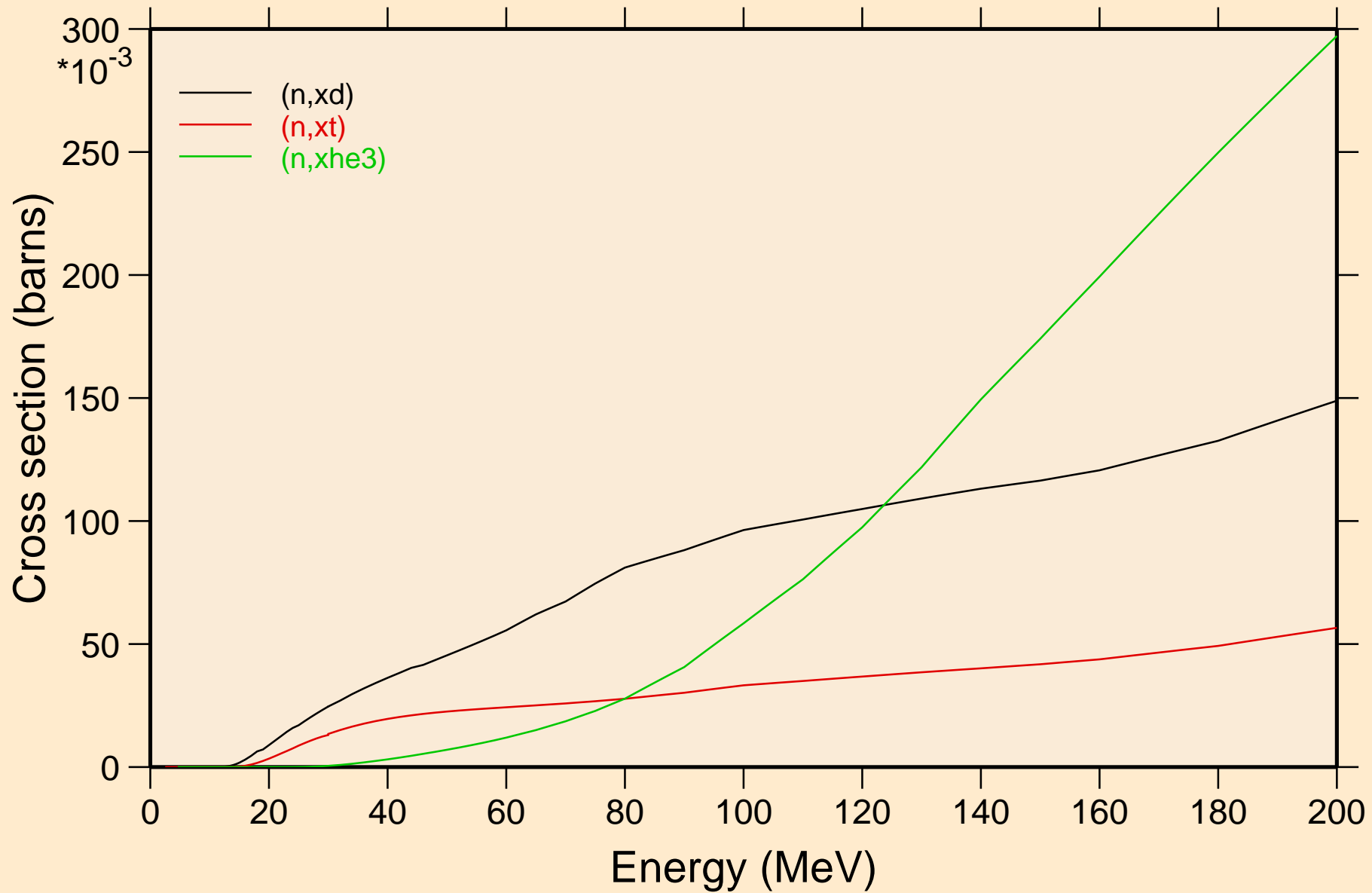
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



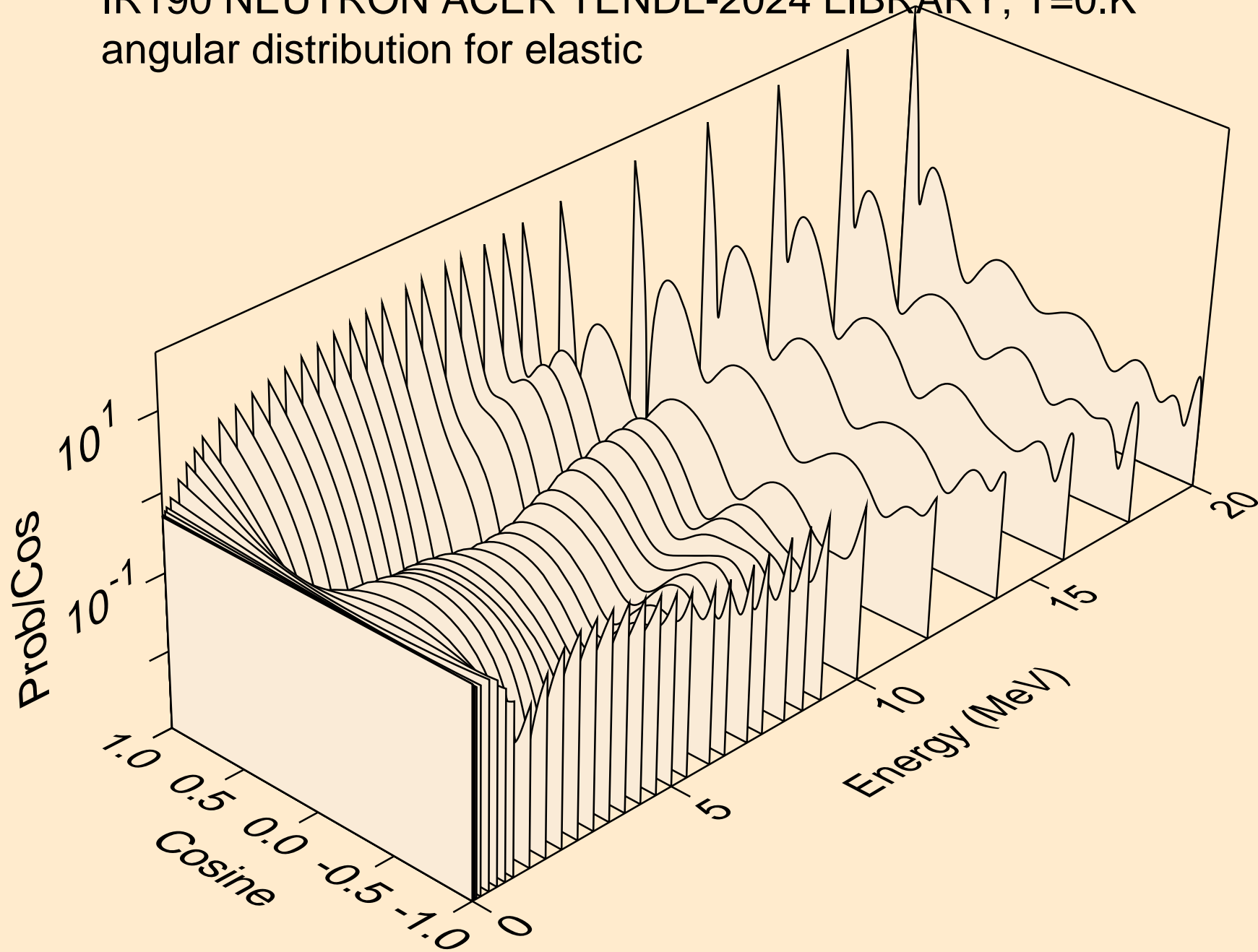
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



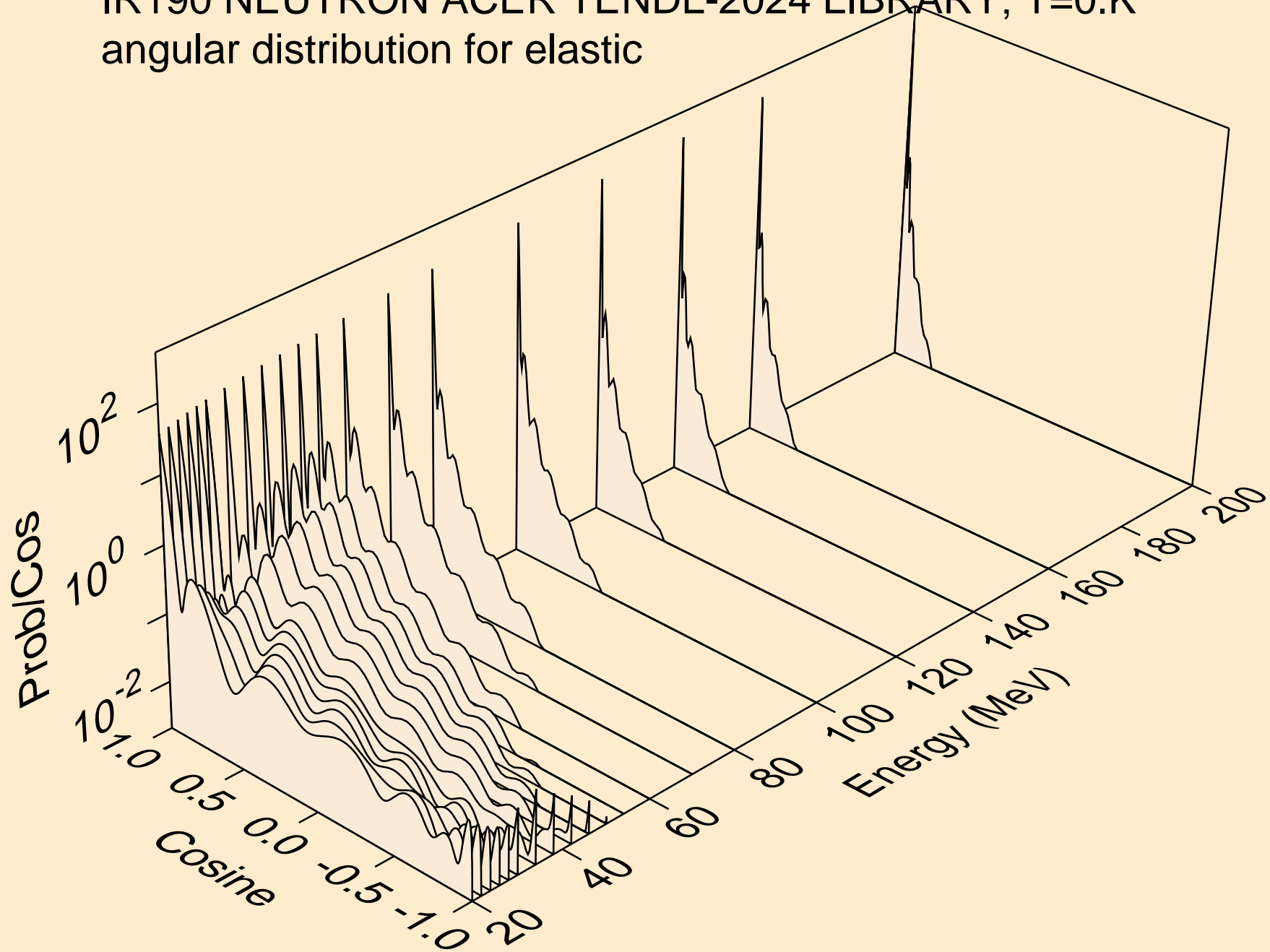
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

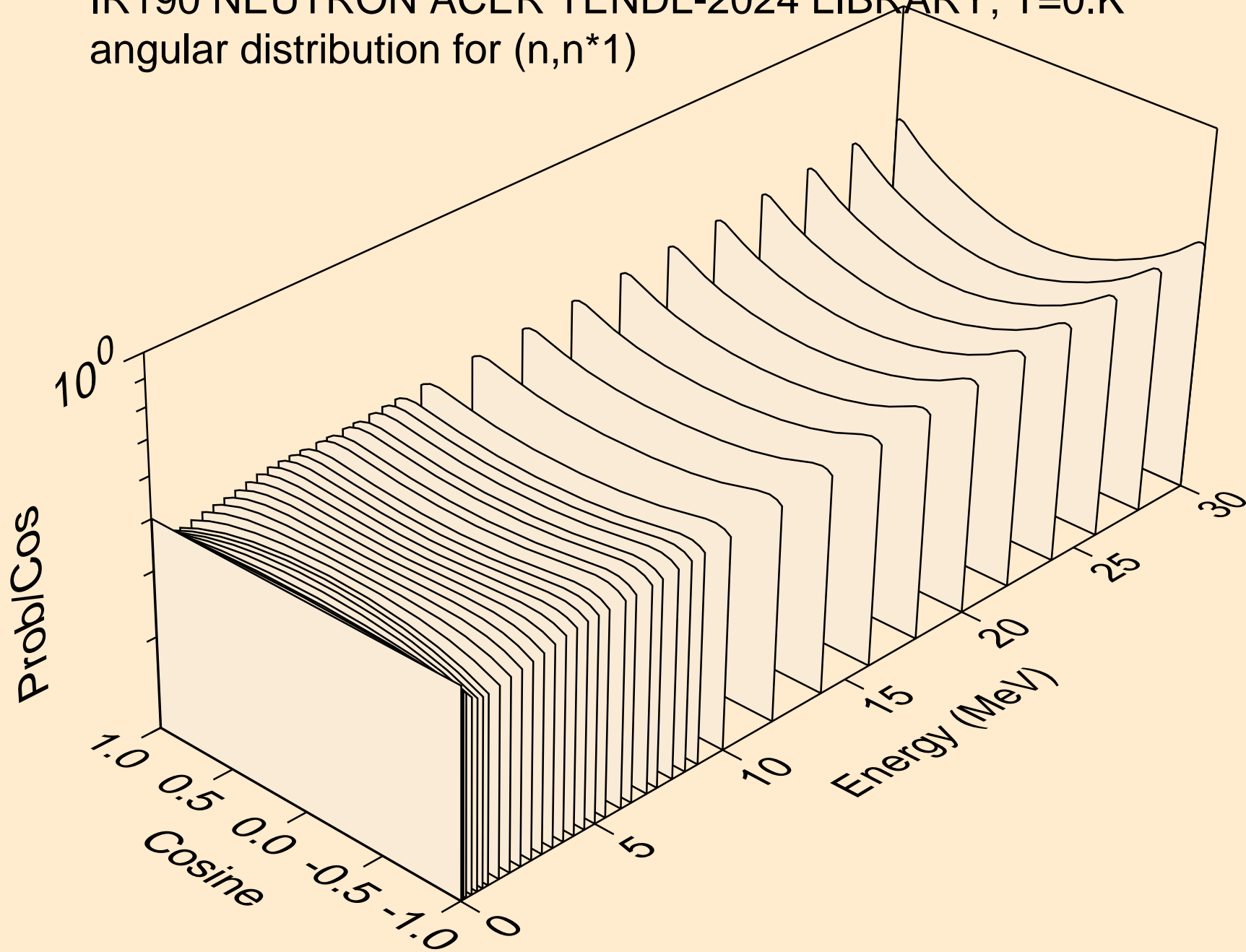


IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

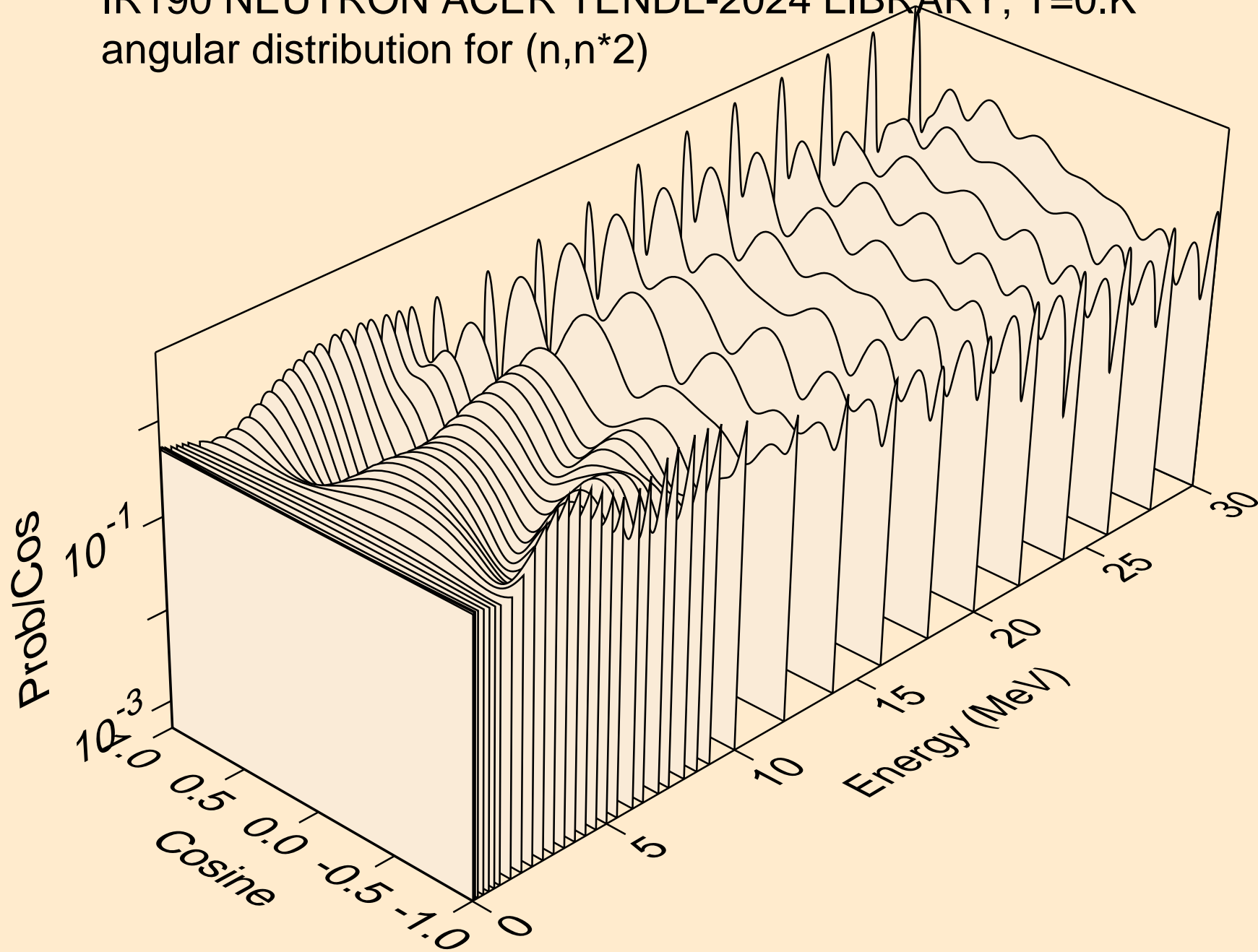




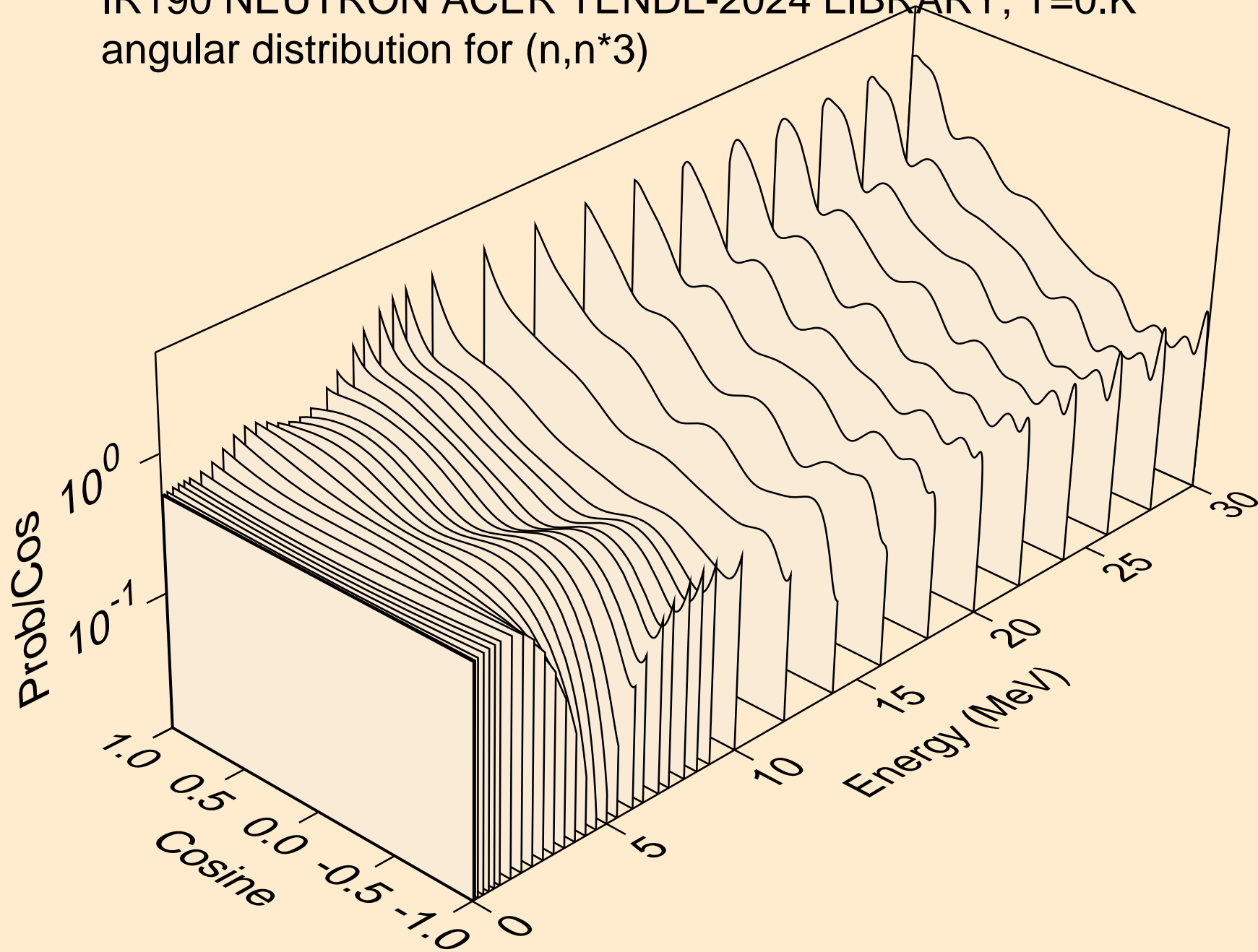
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



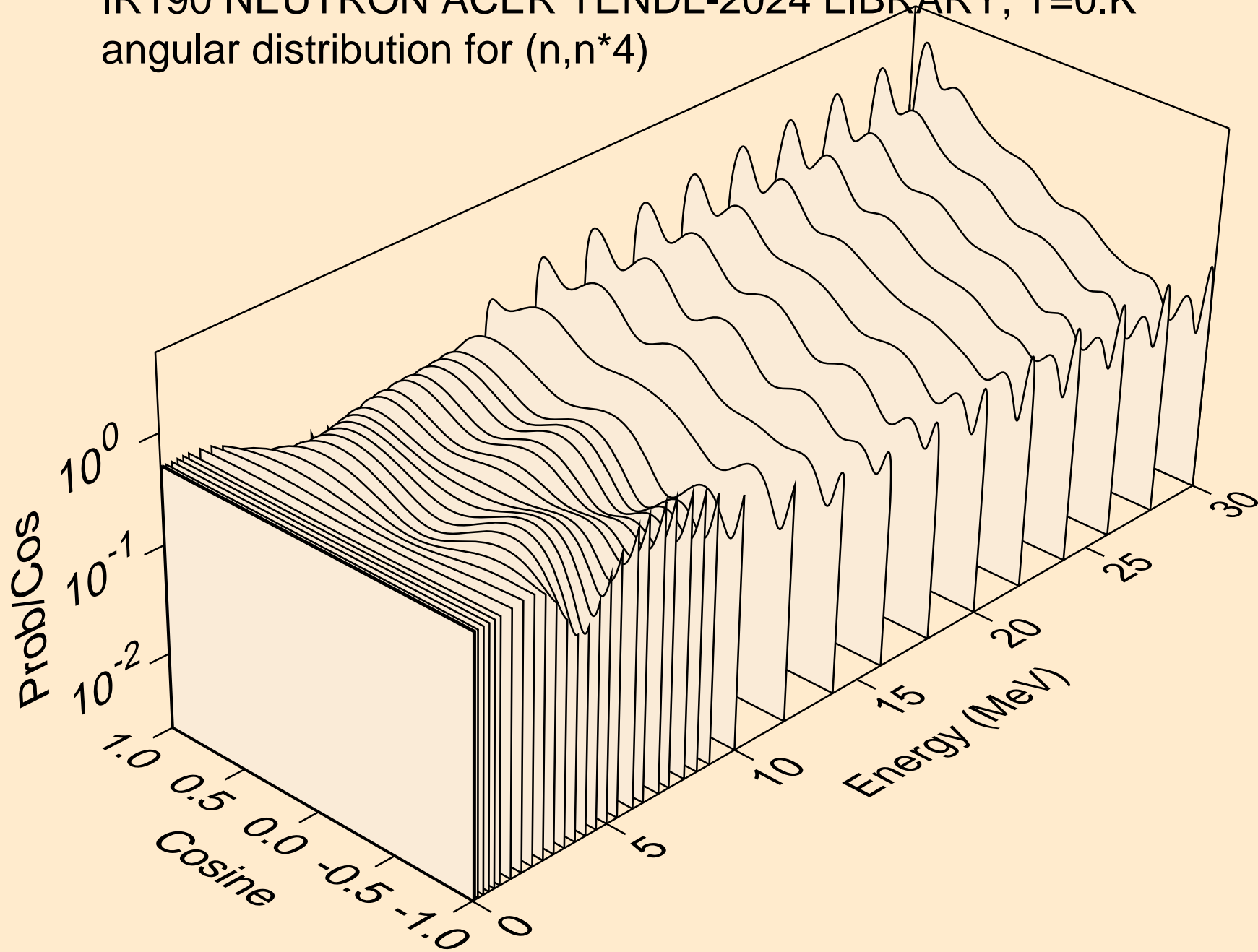
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



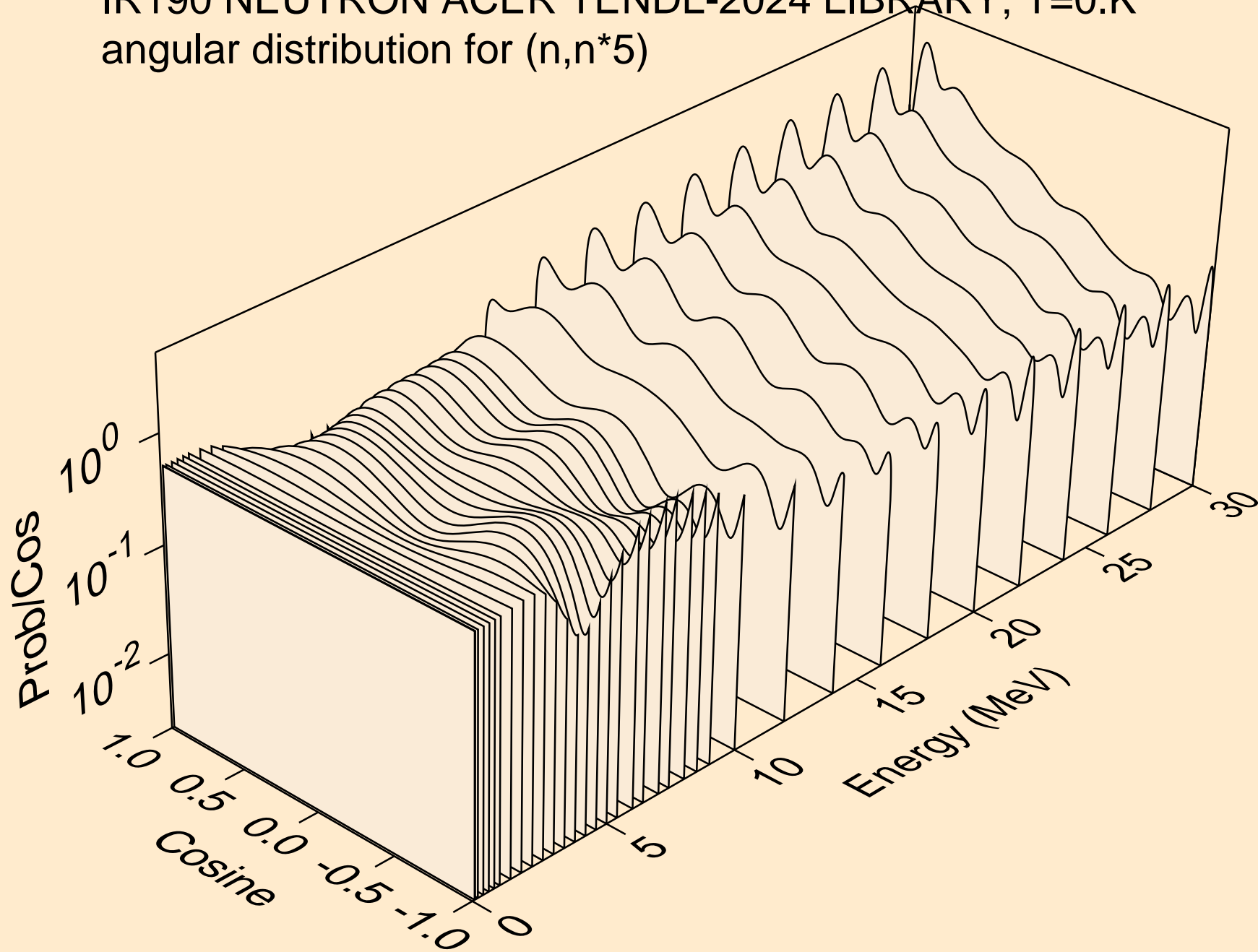
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



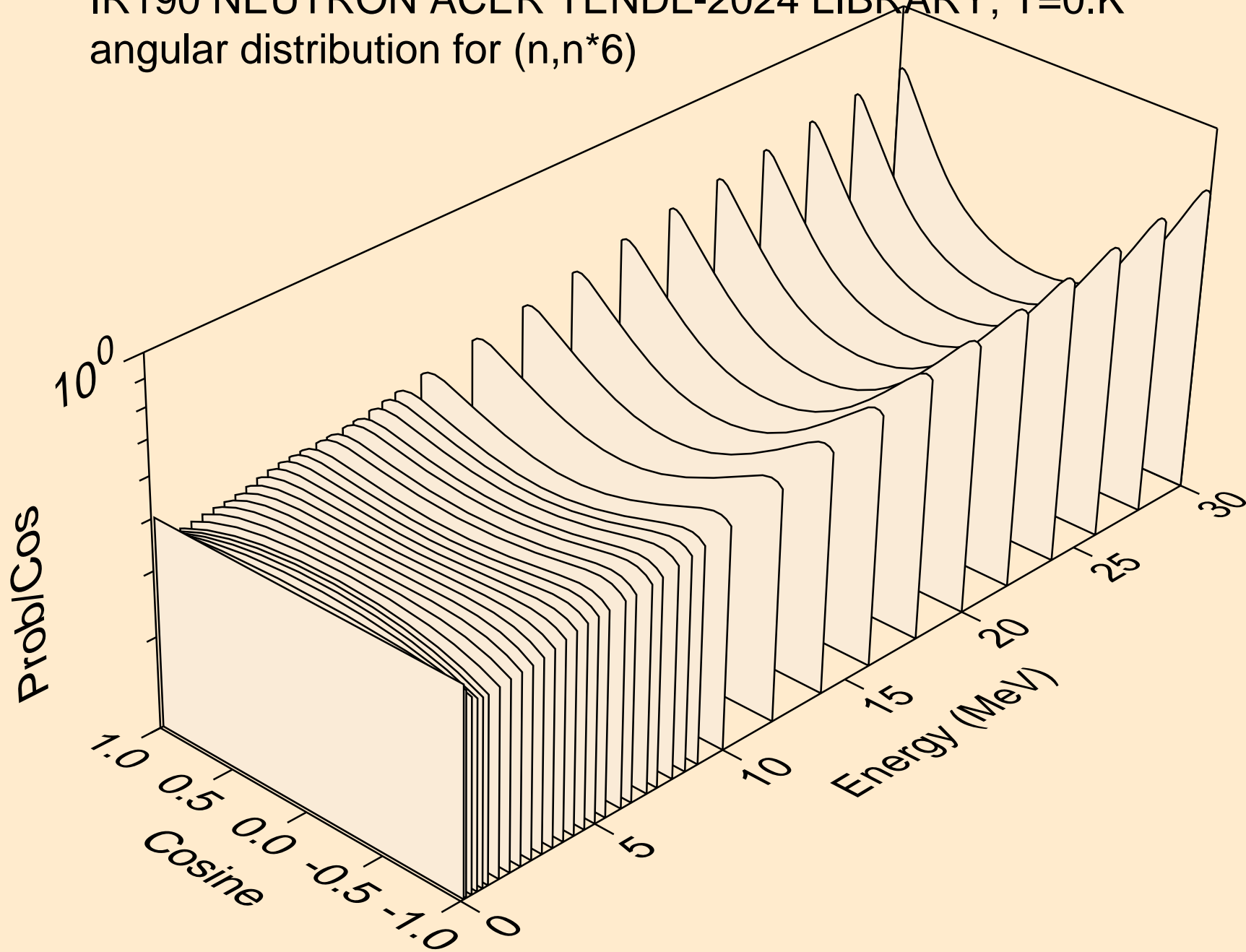
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



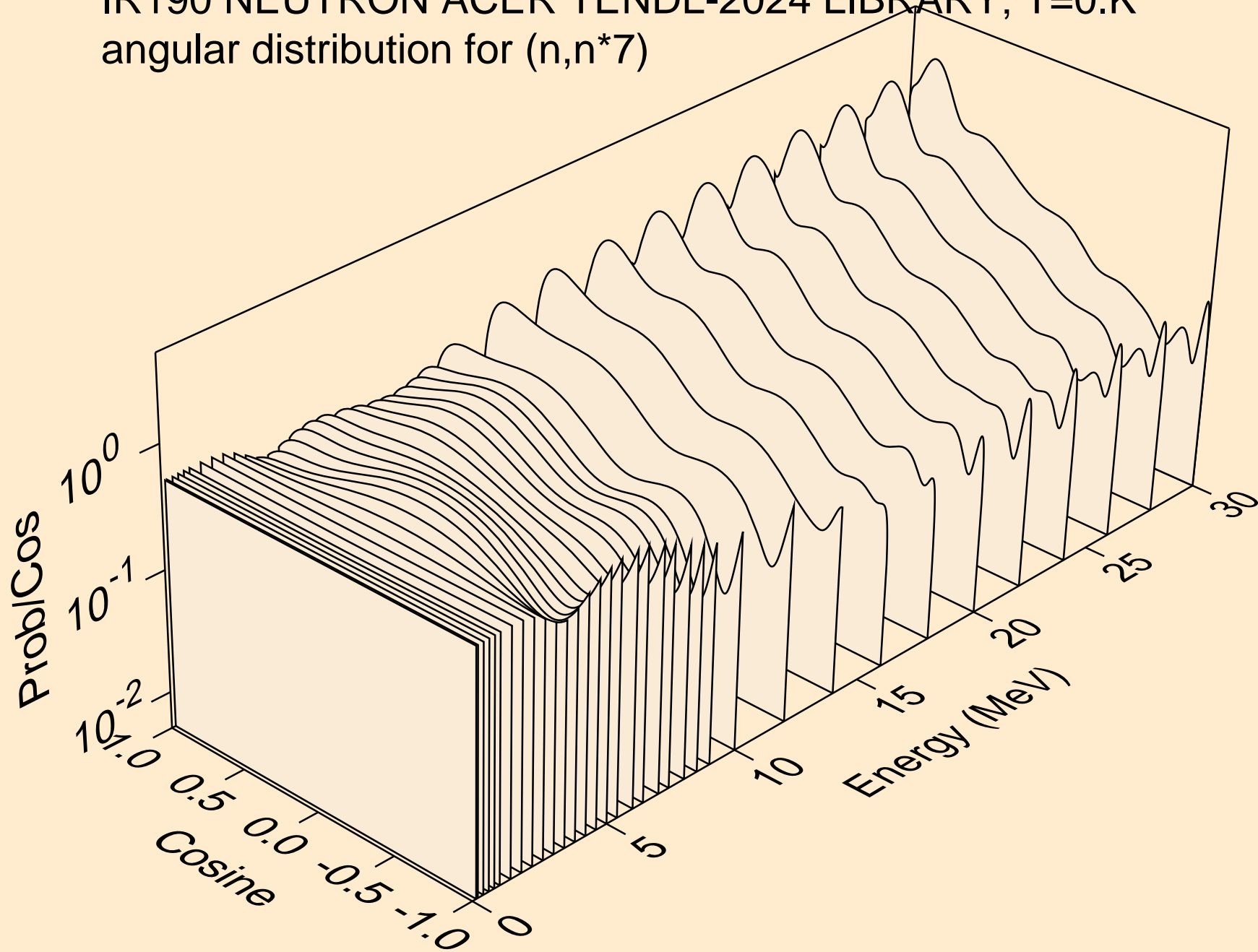
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



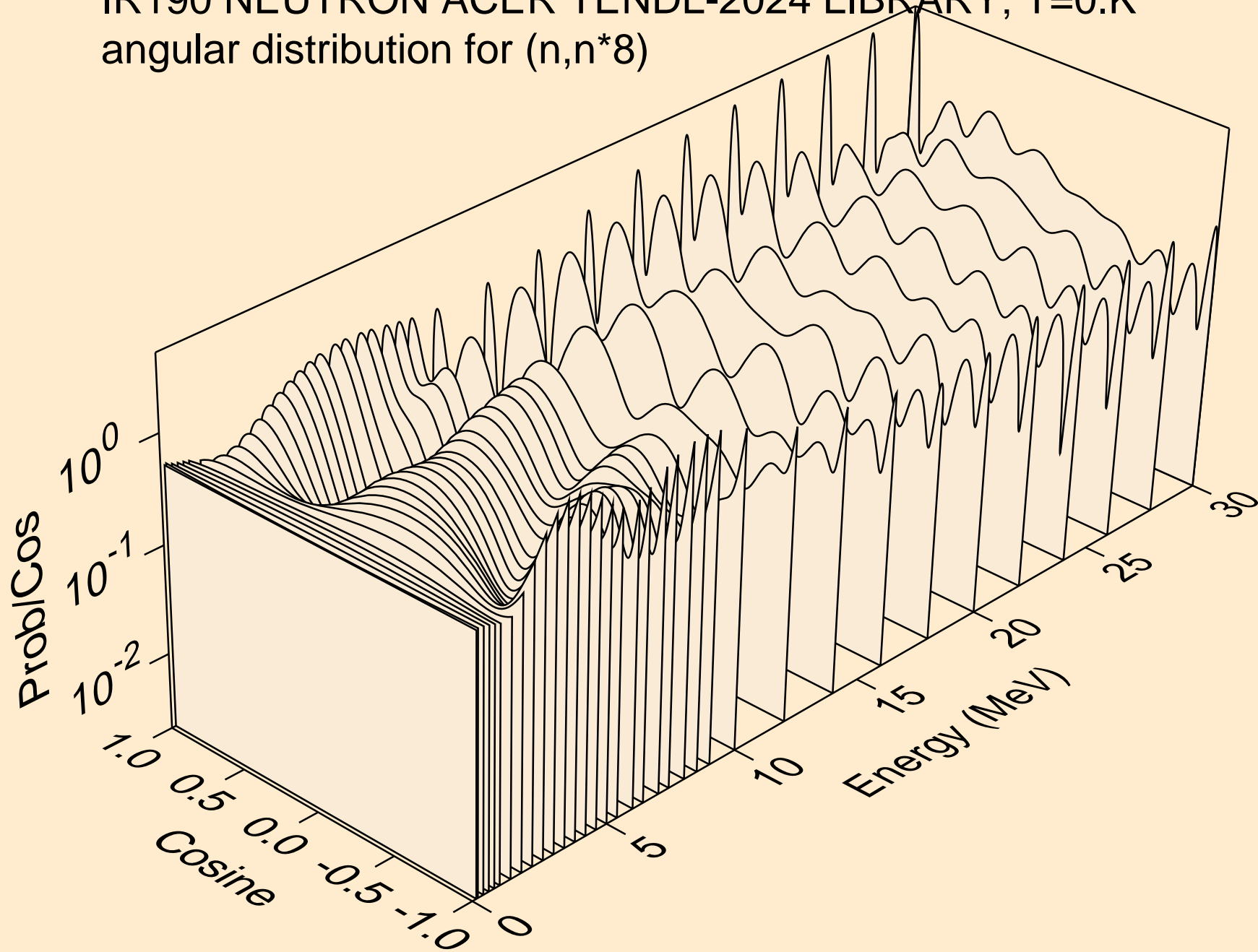
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)

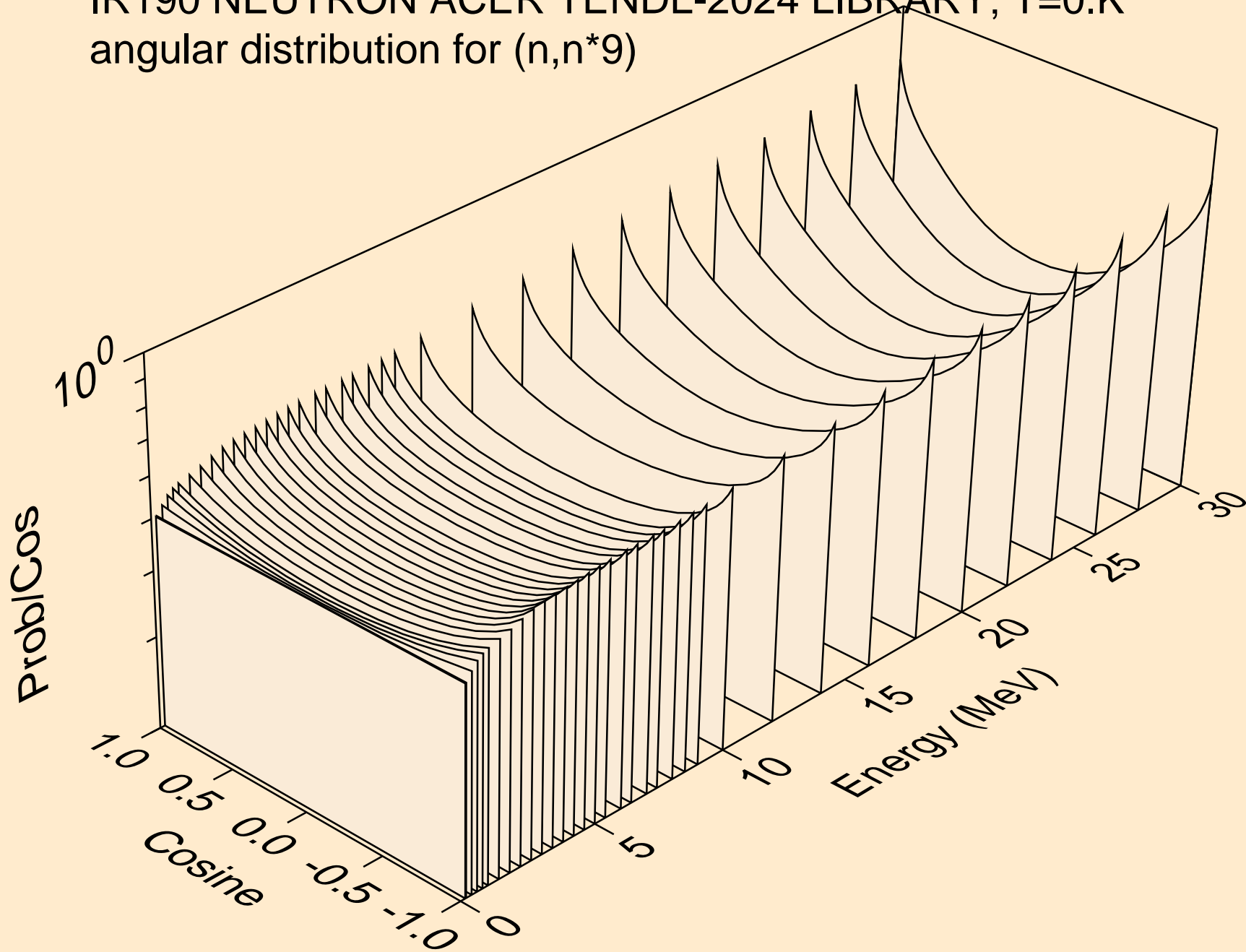


IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)

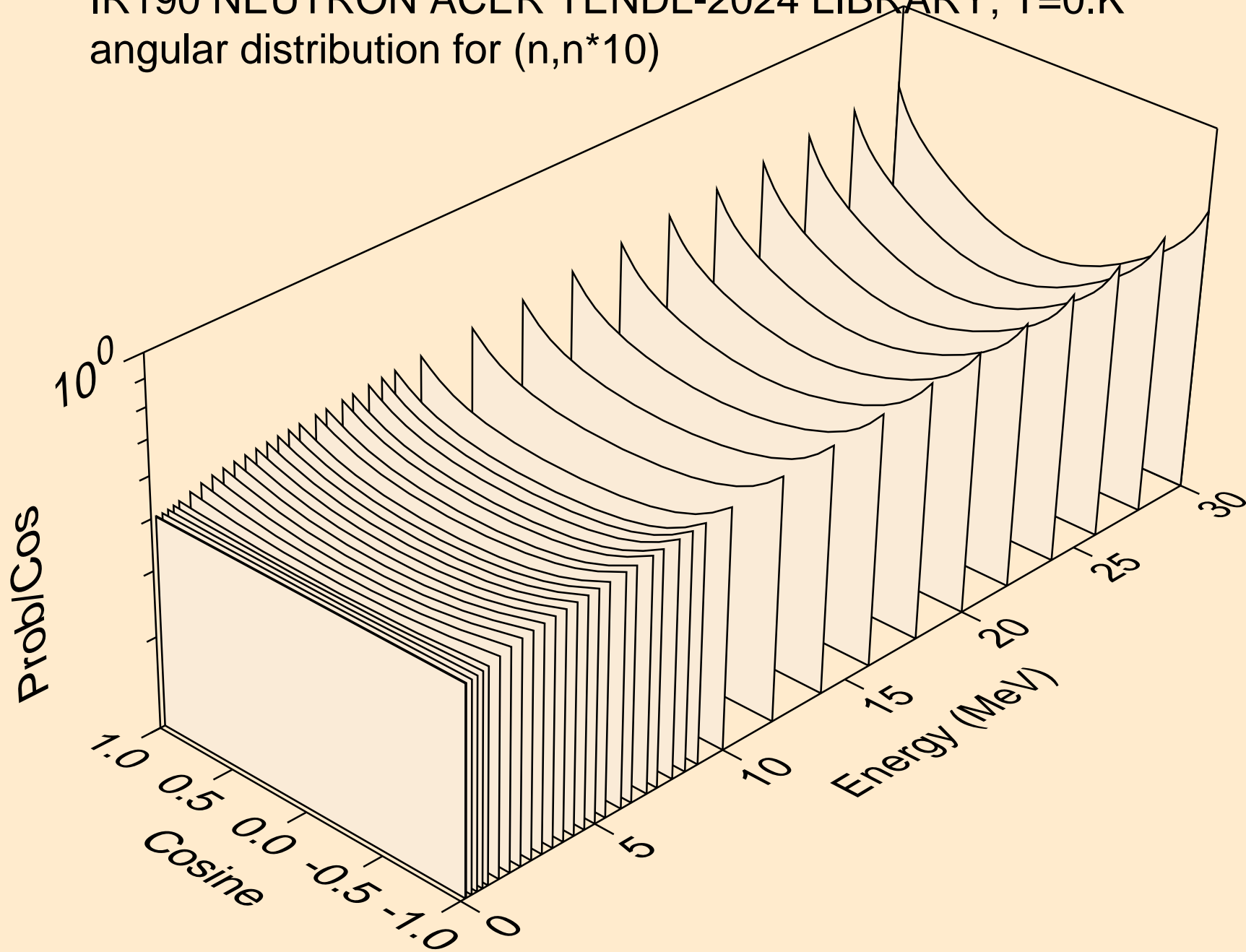




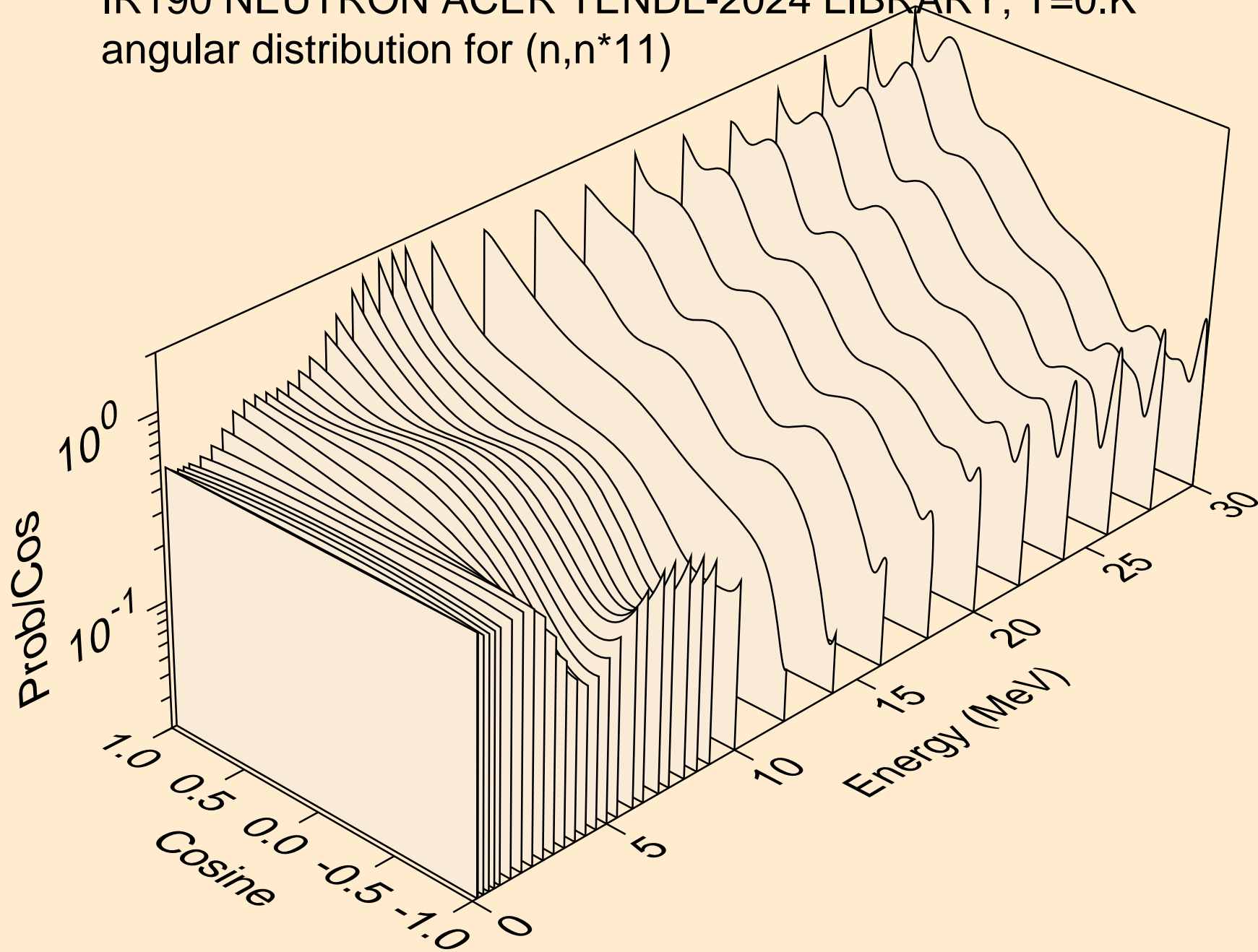
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



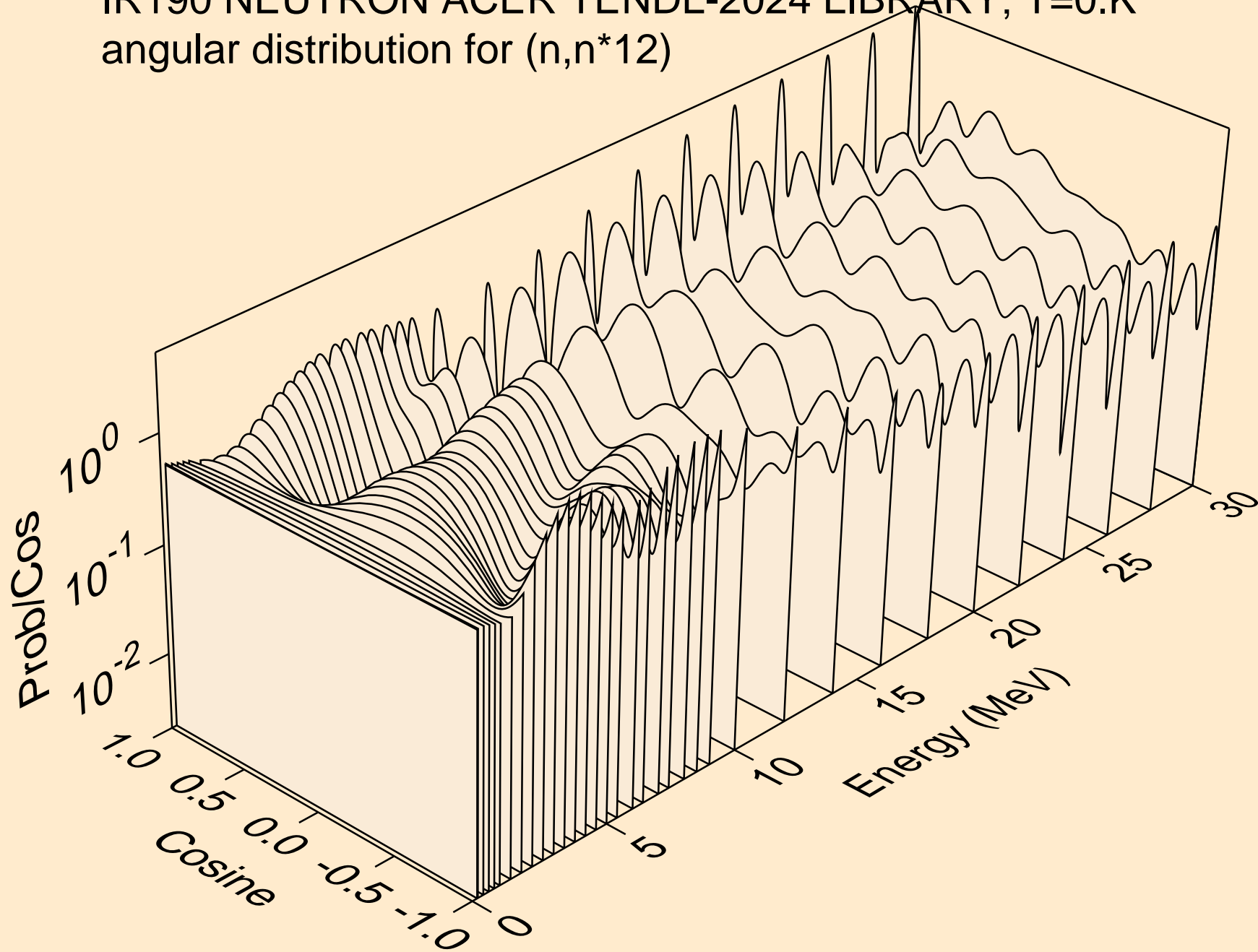
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



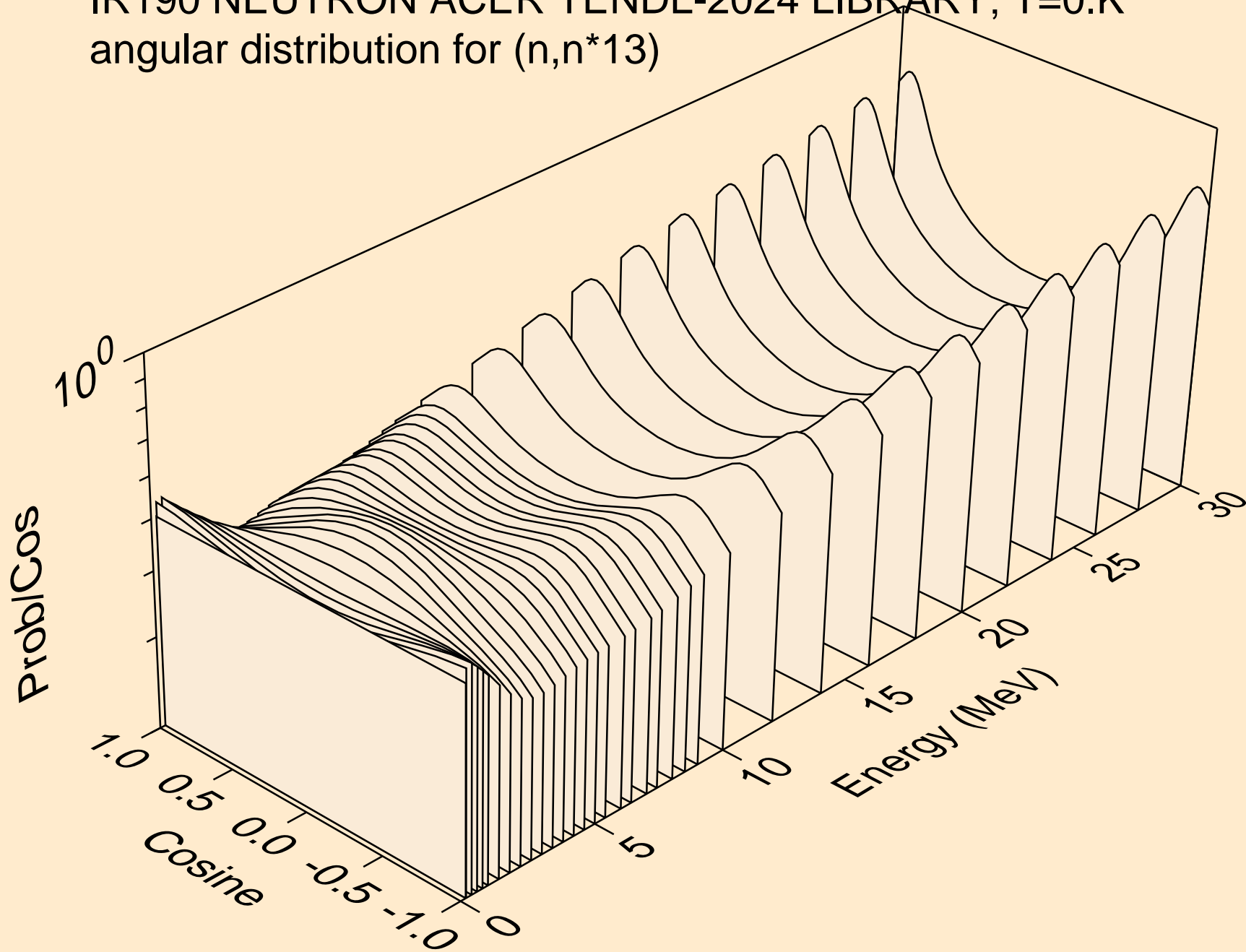
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



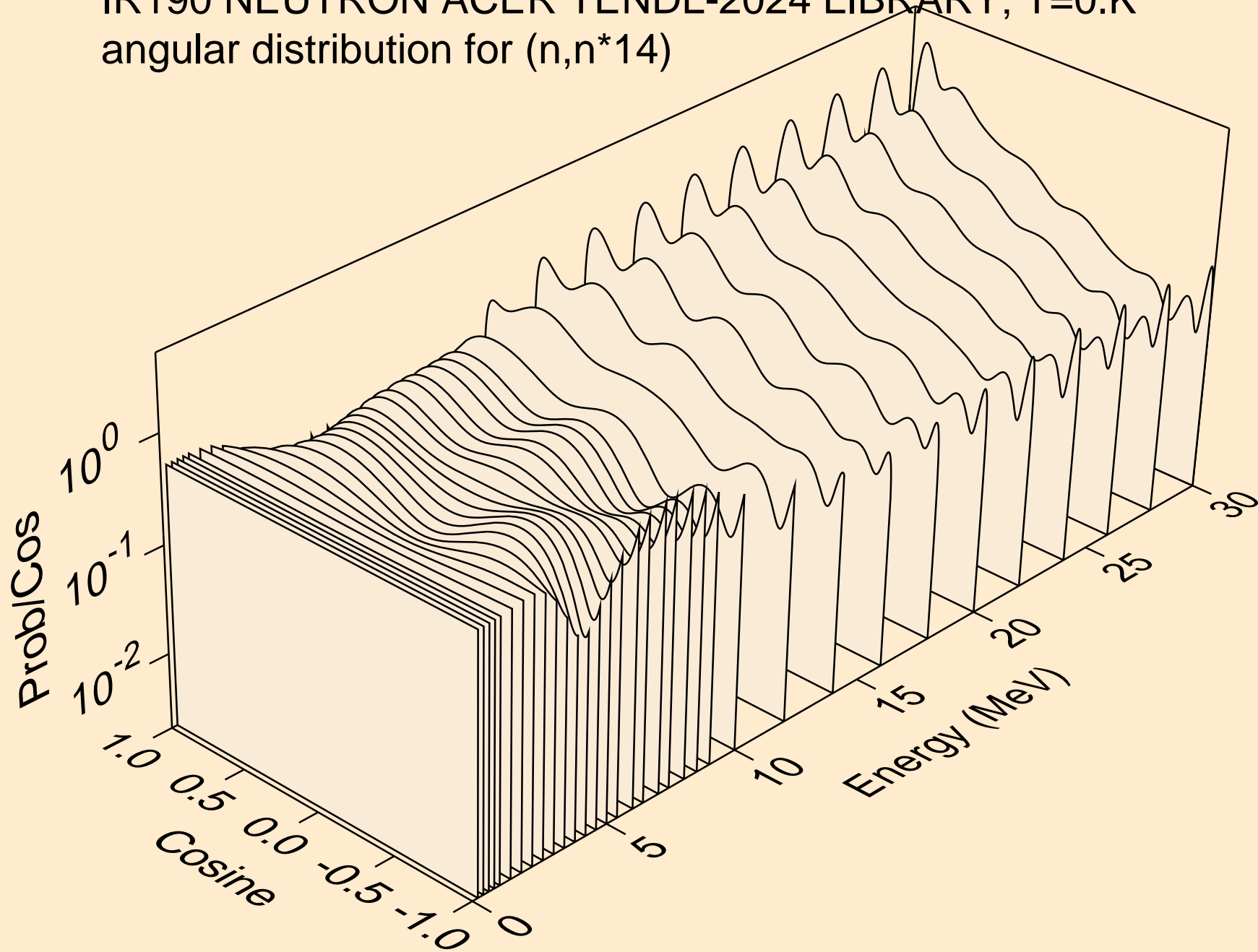
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



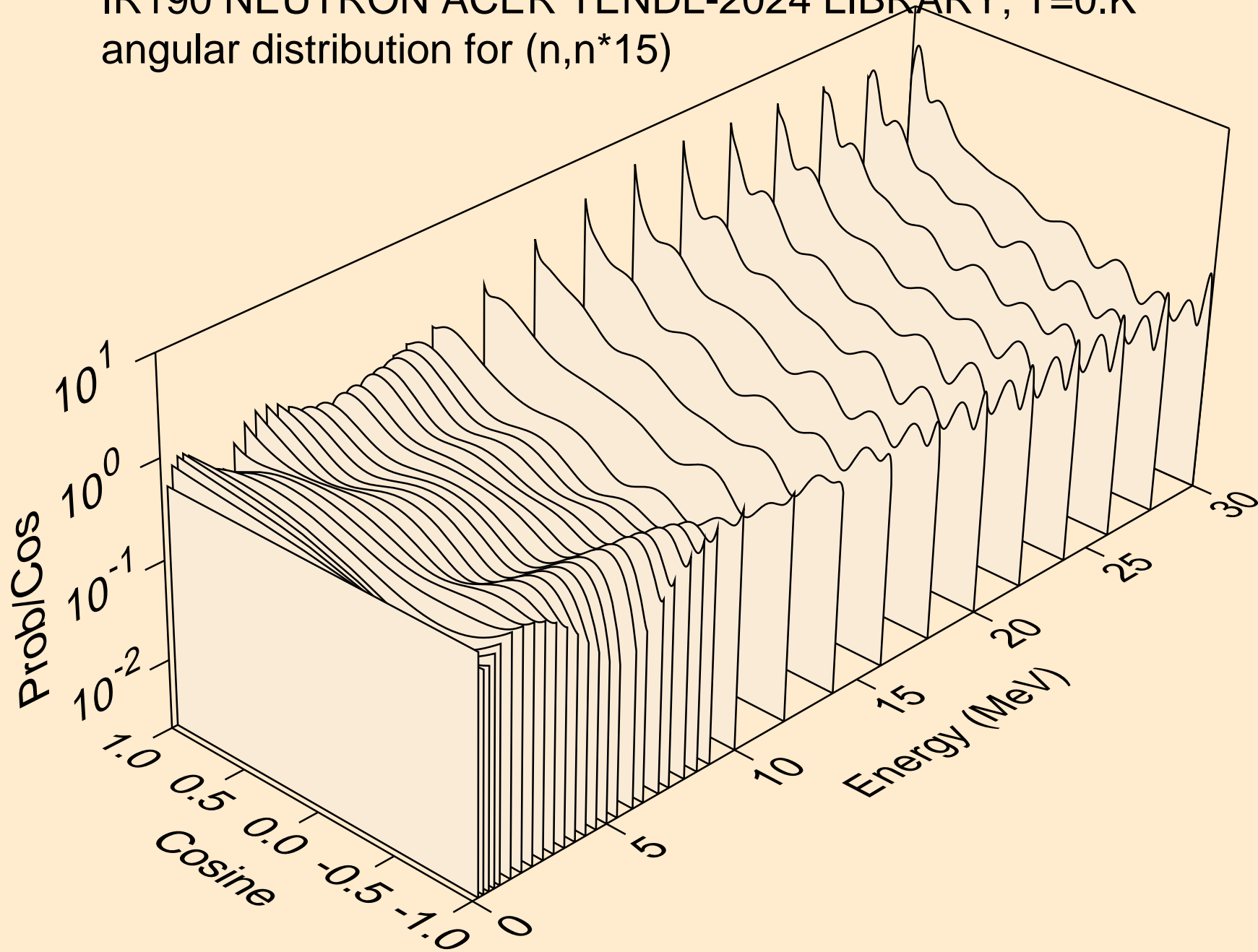
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



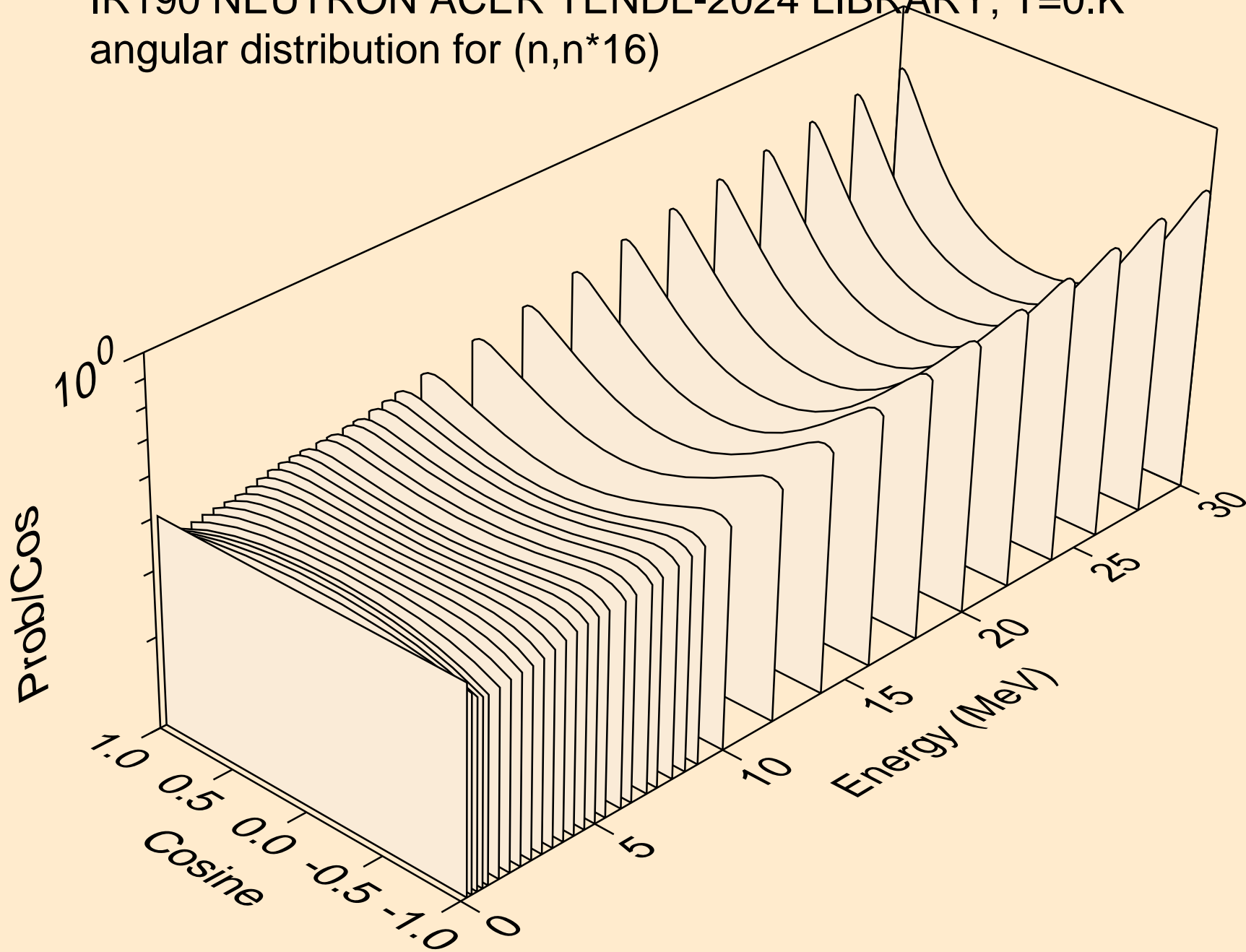
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*15)

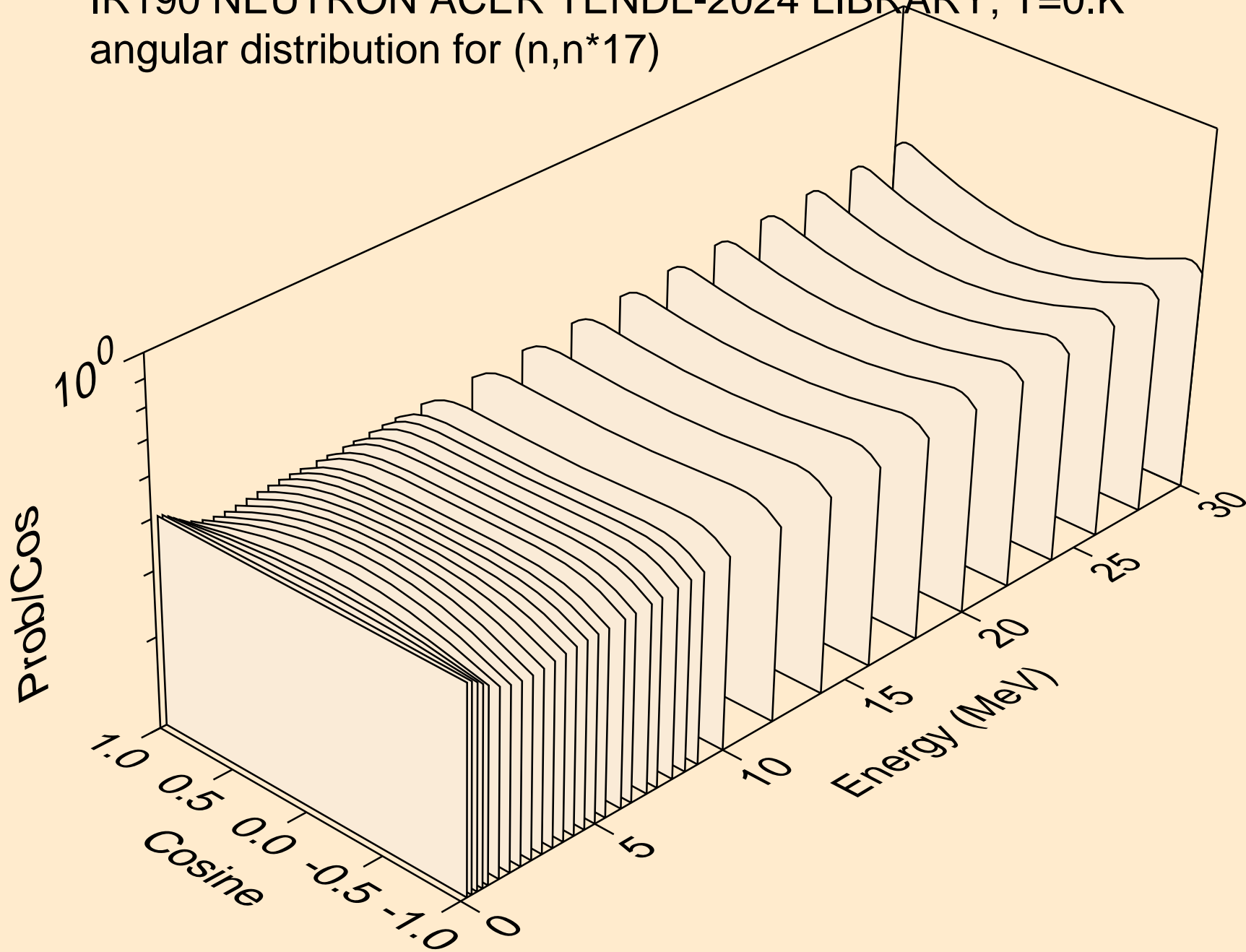


IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)

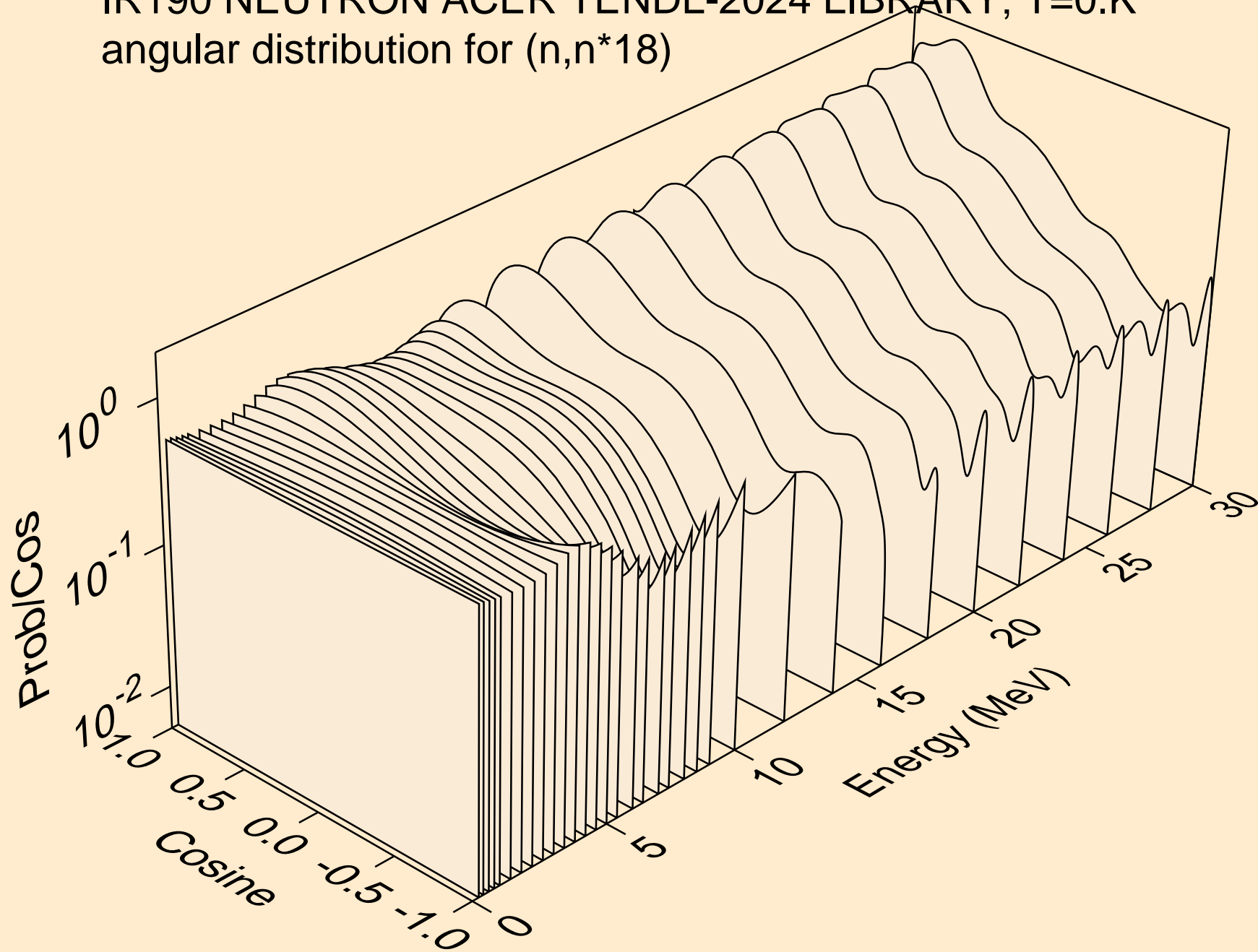




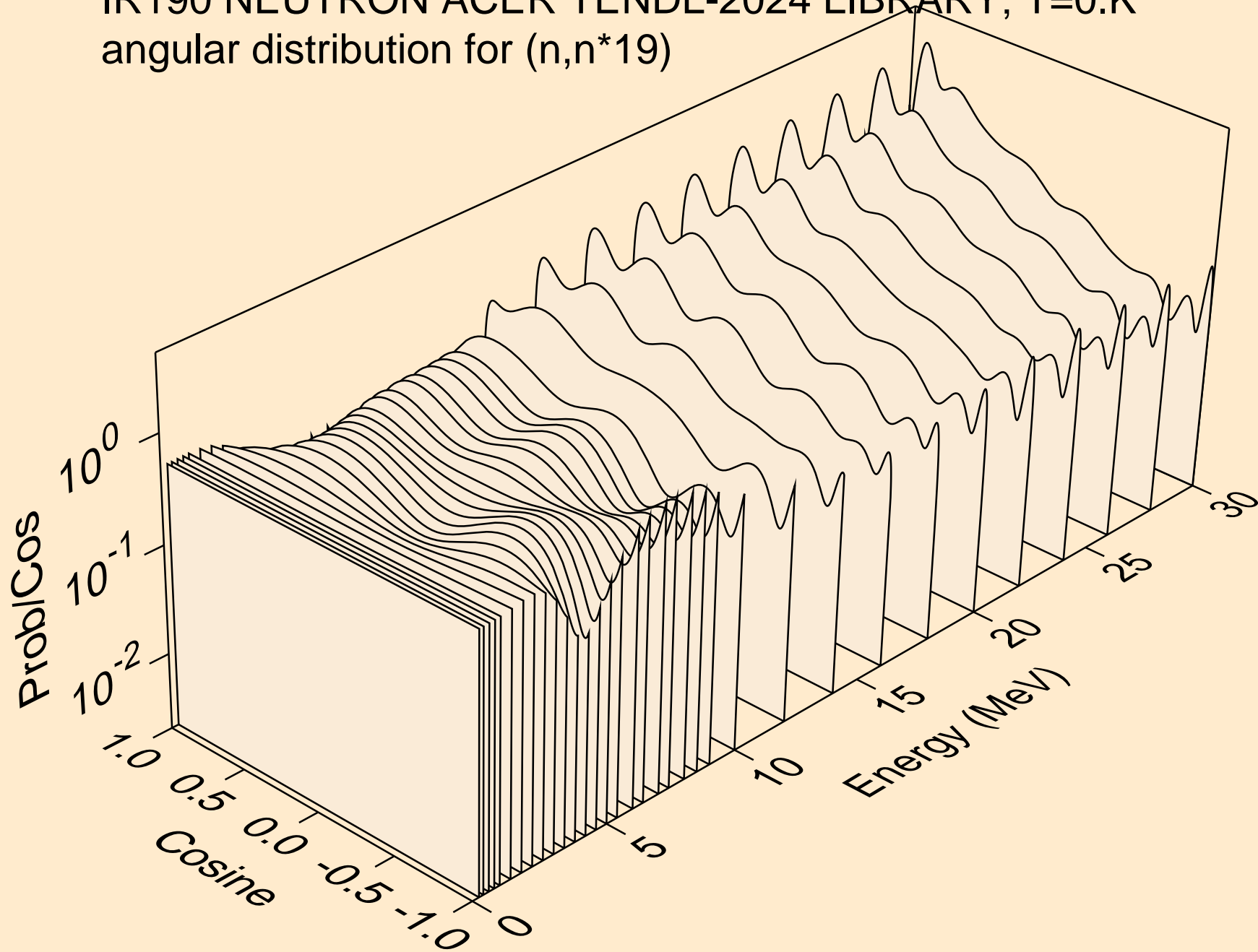
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*17)



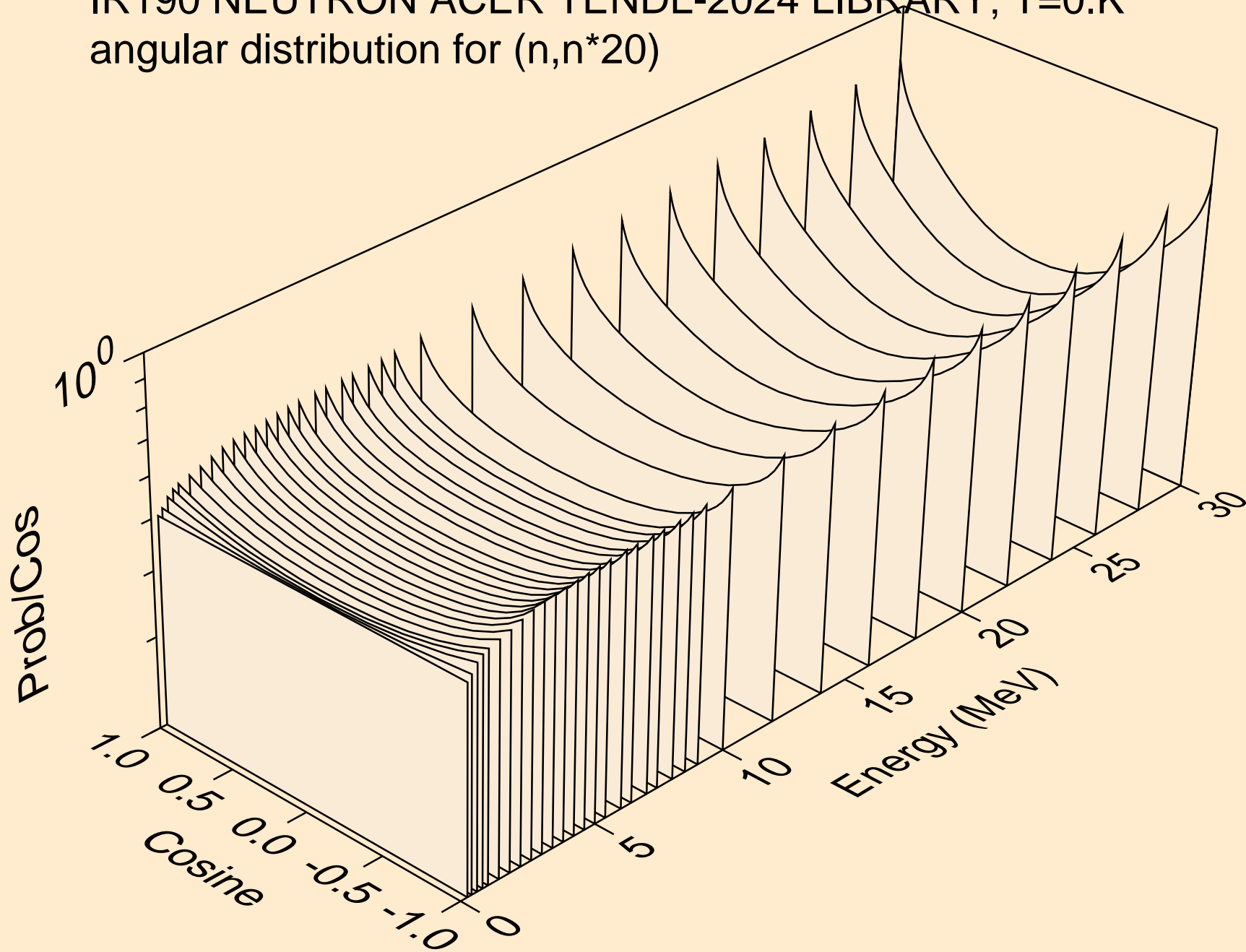
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



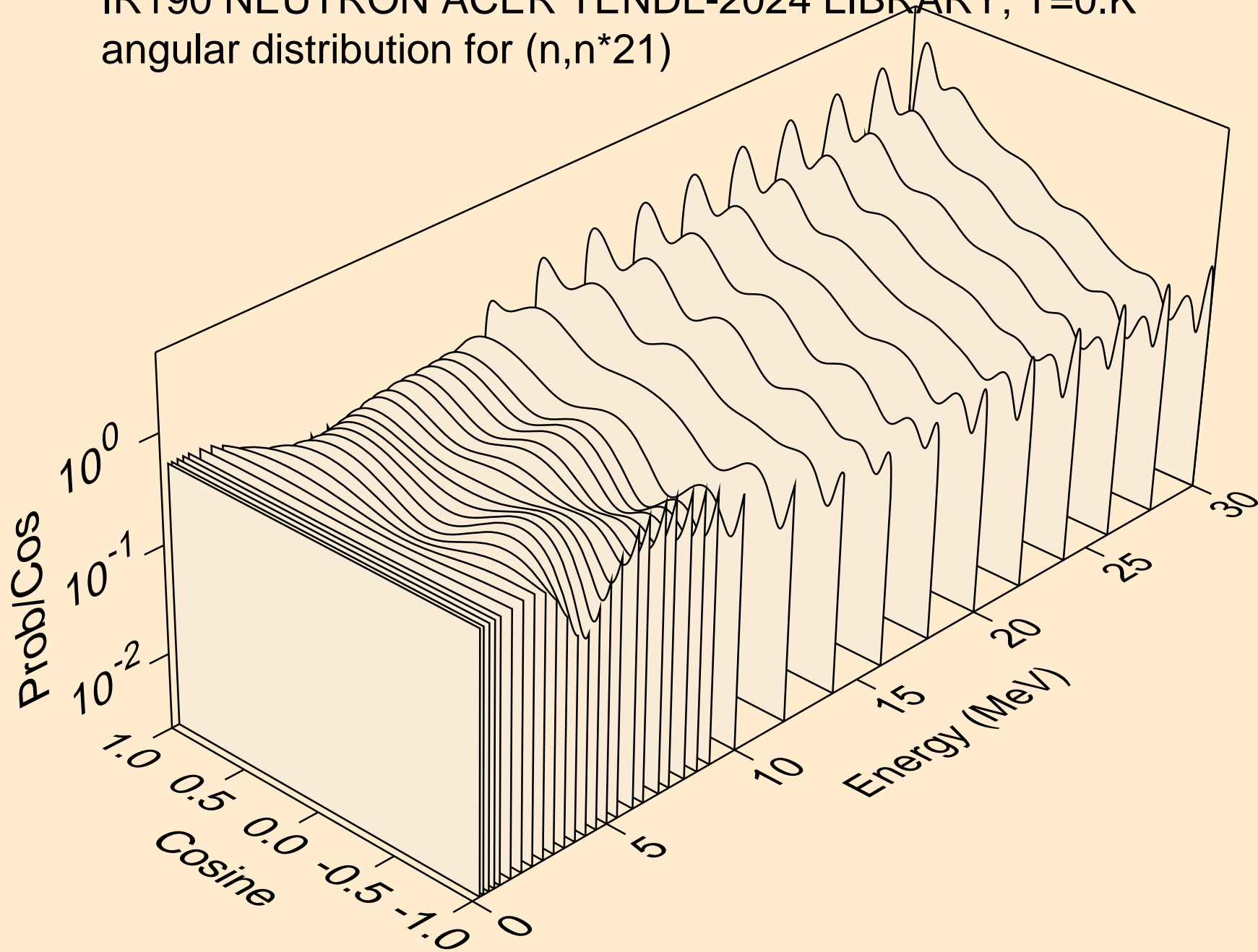
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



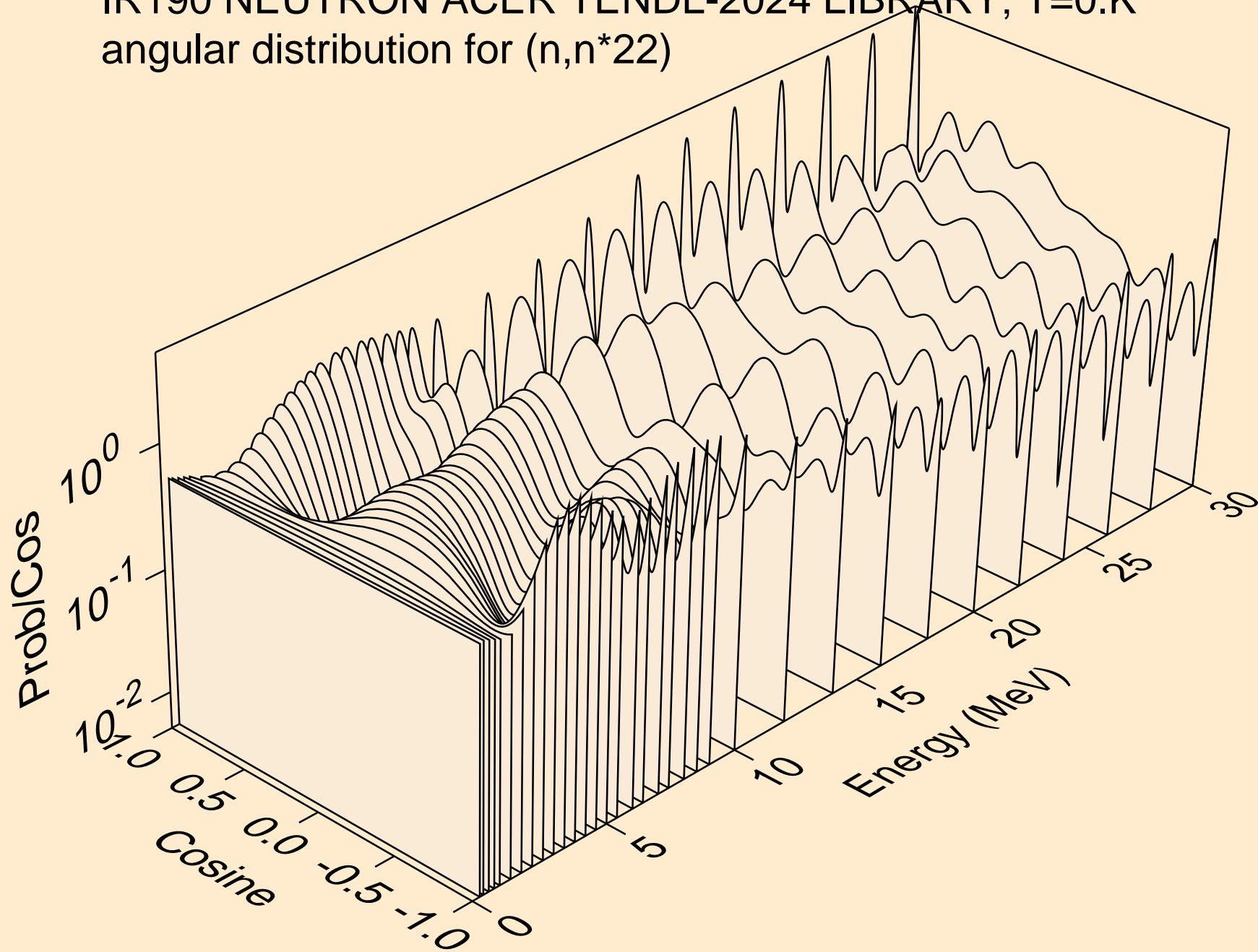
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*20)



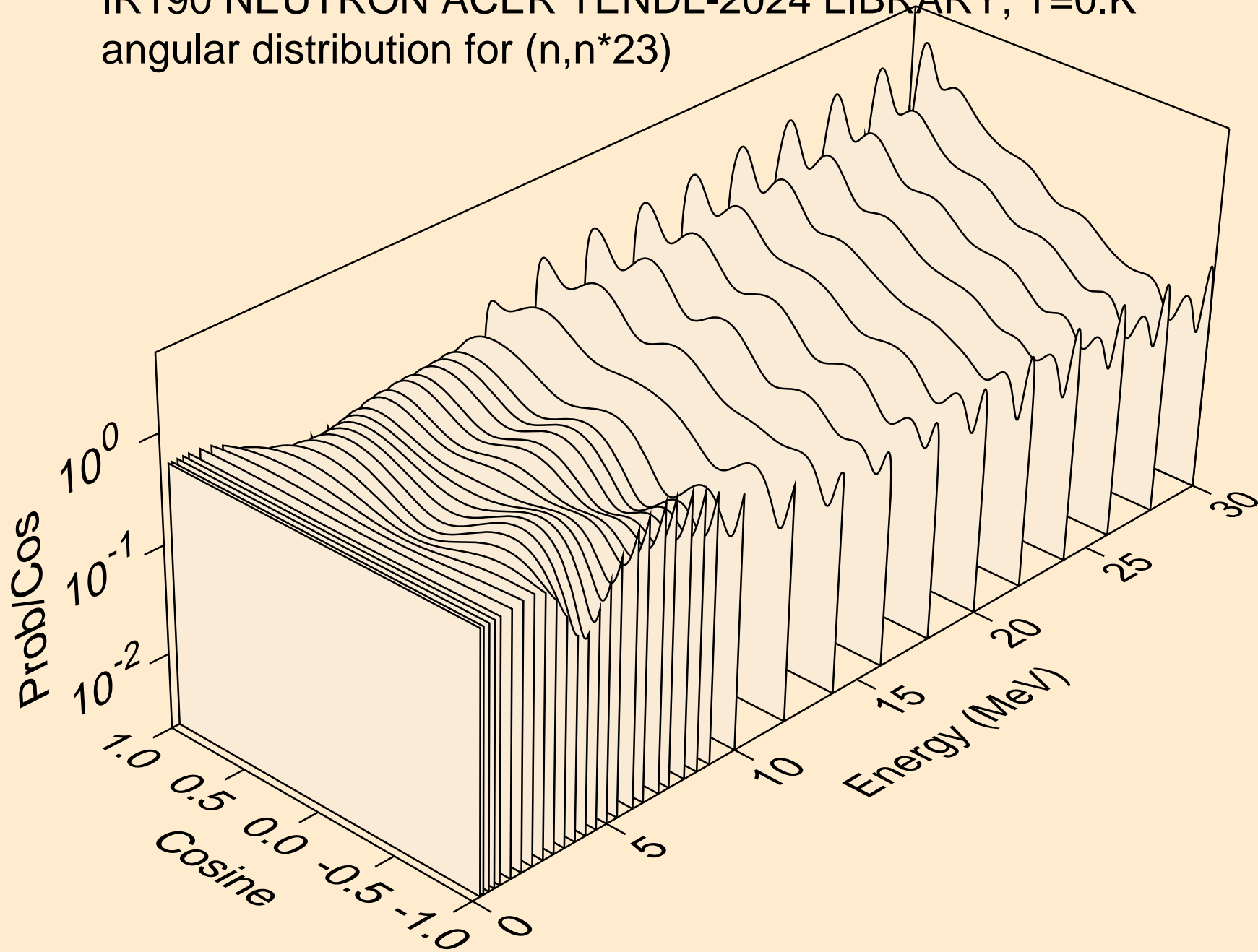
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*21)



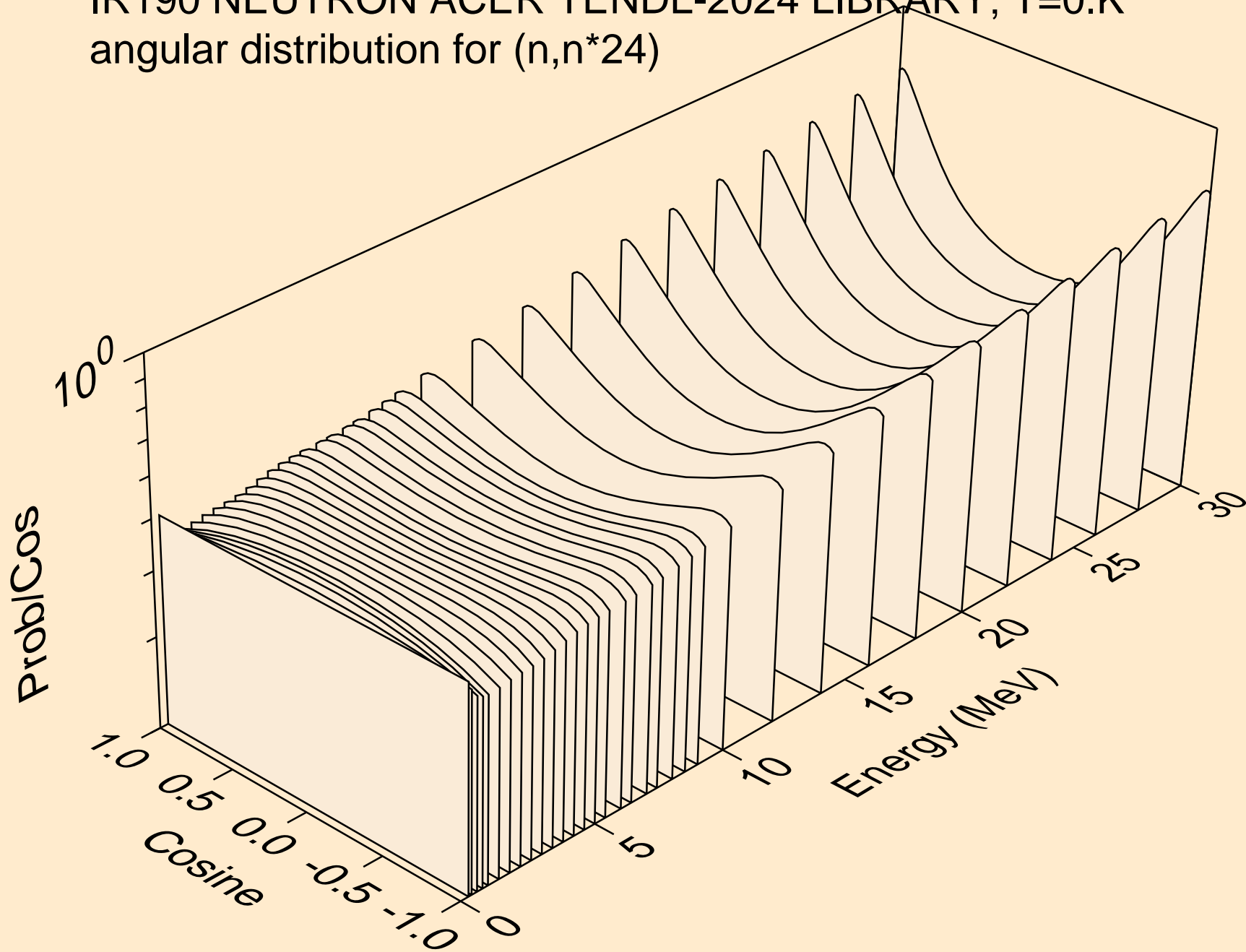
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*22)



IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*23)

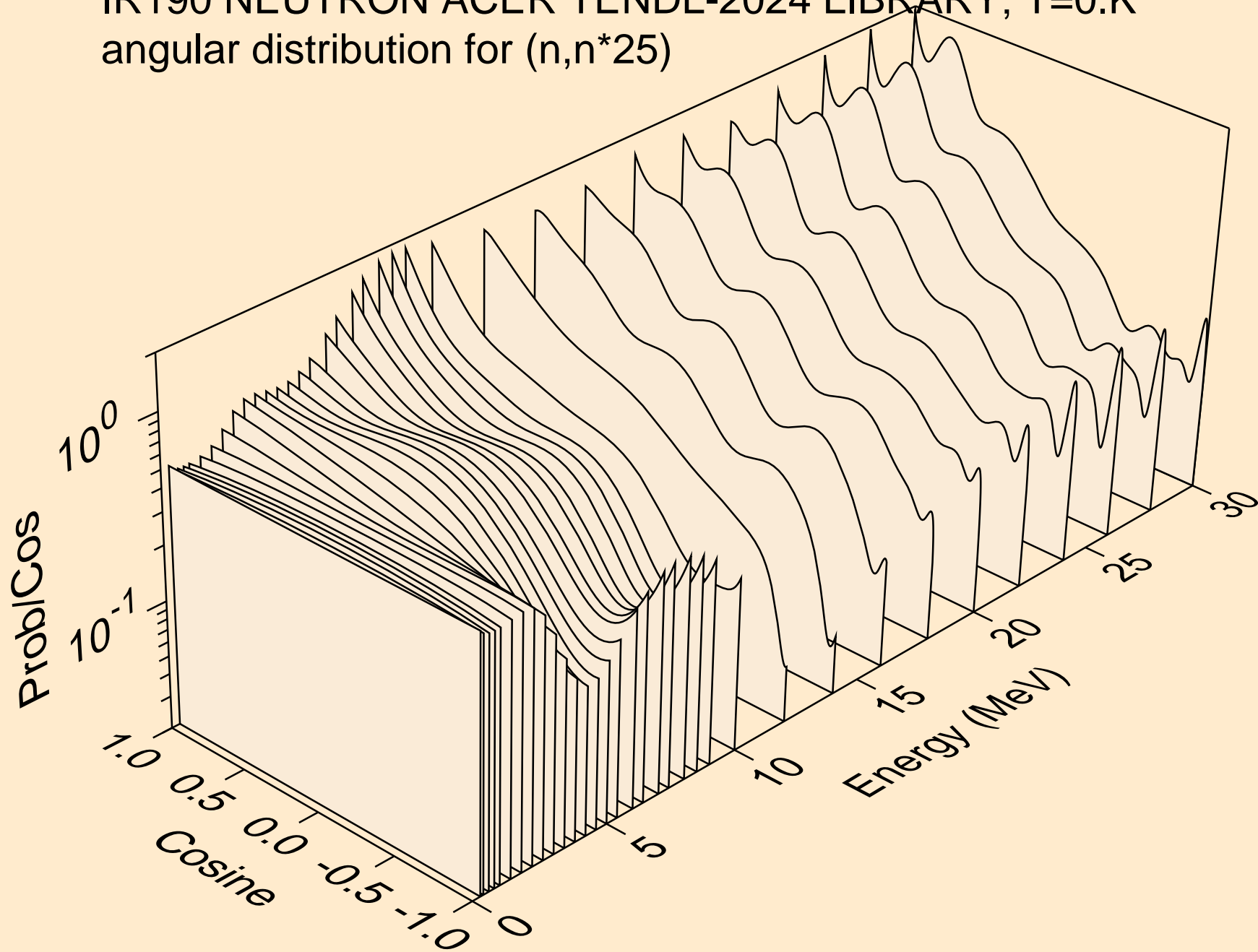


IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*24)

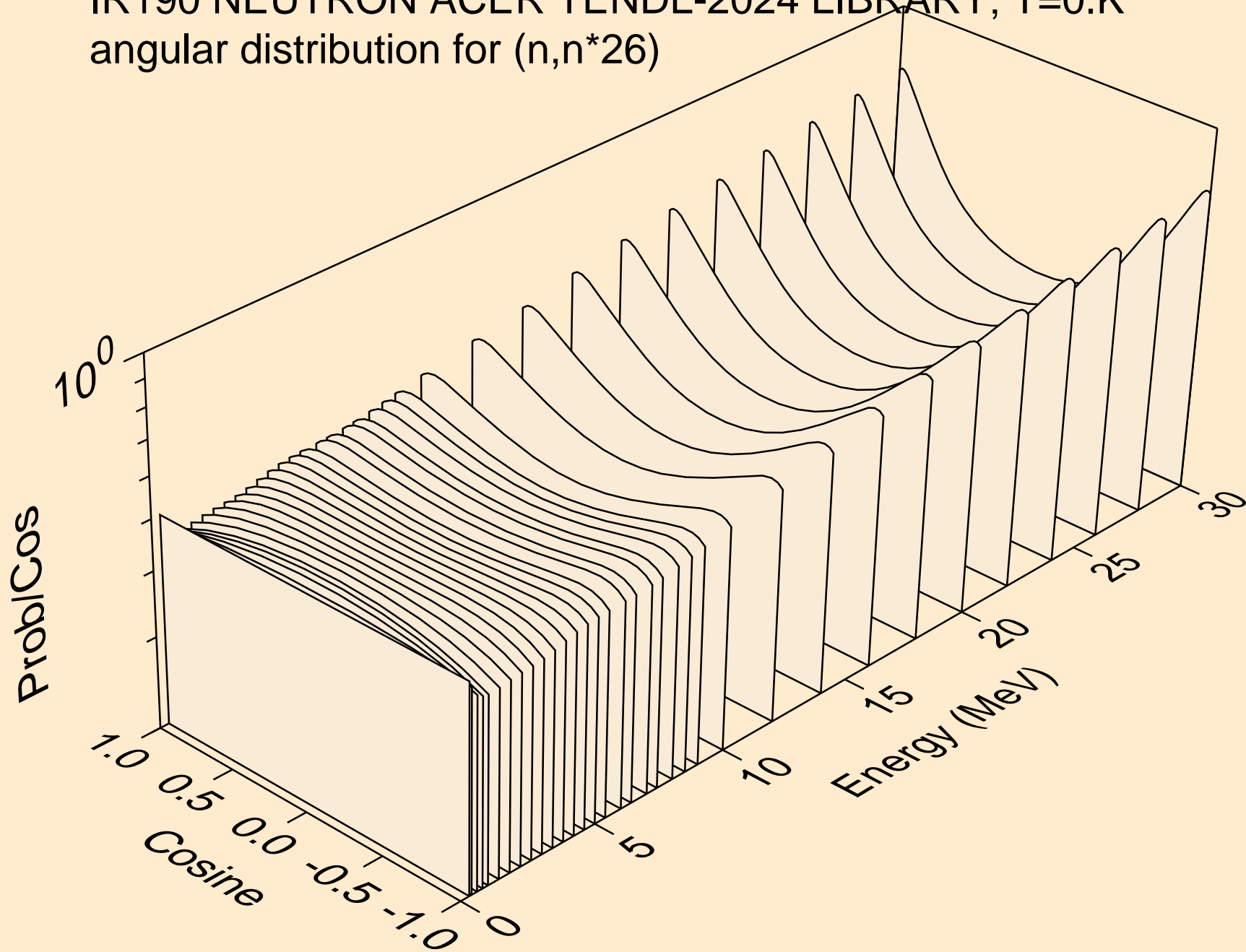




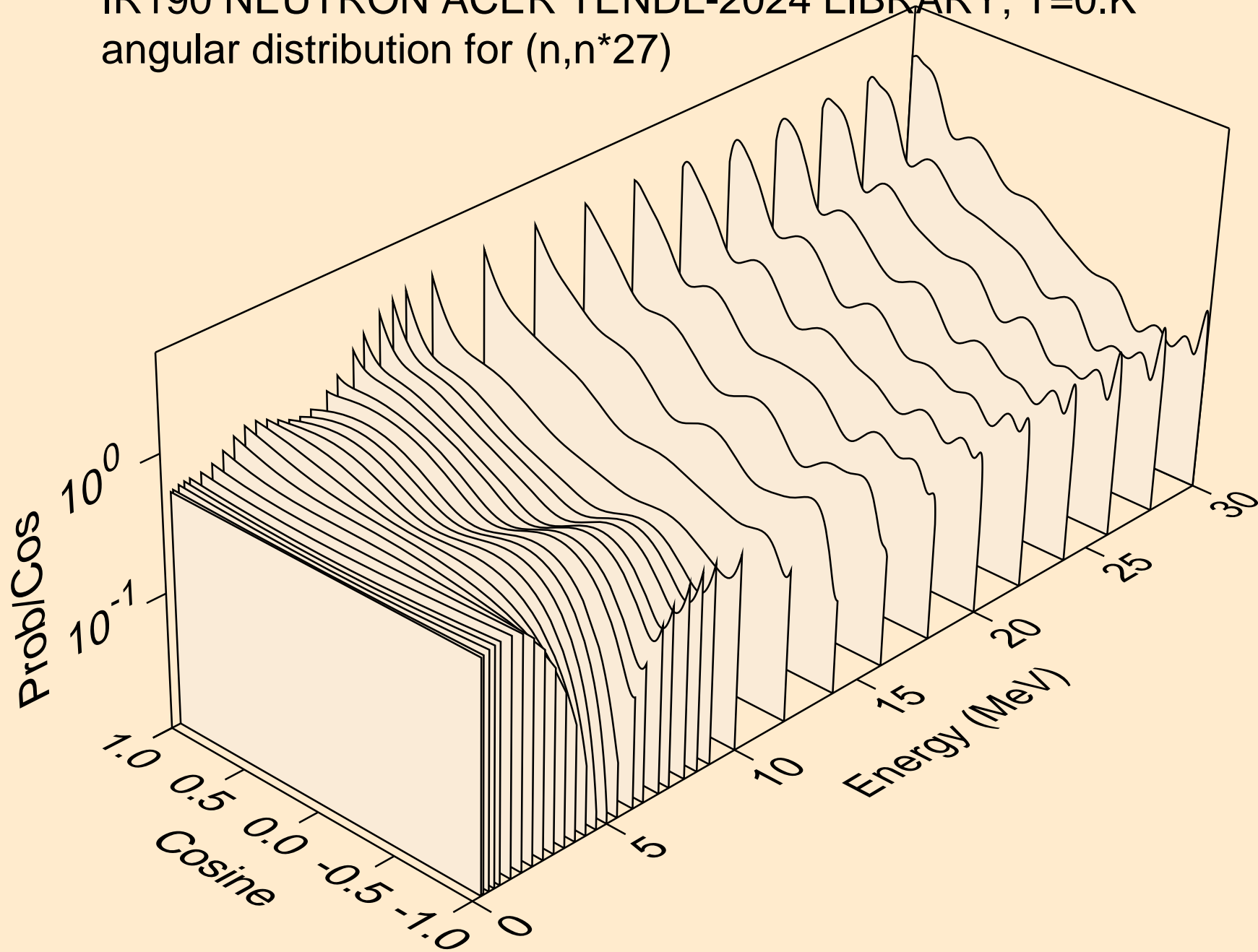
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*25)



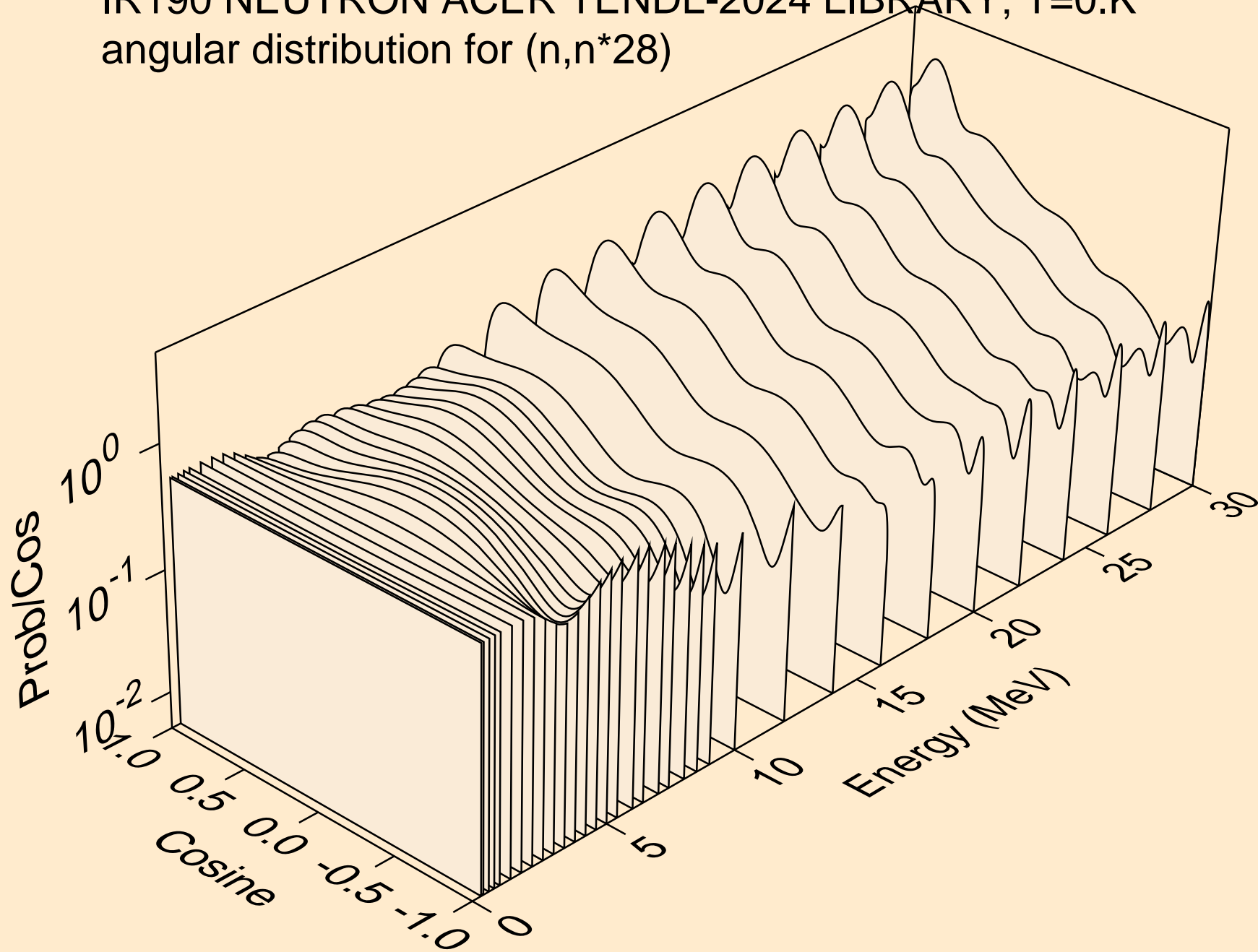
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



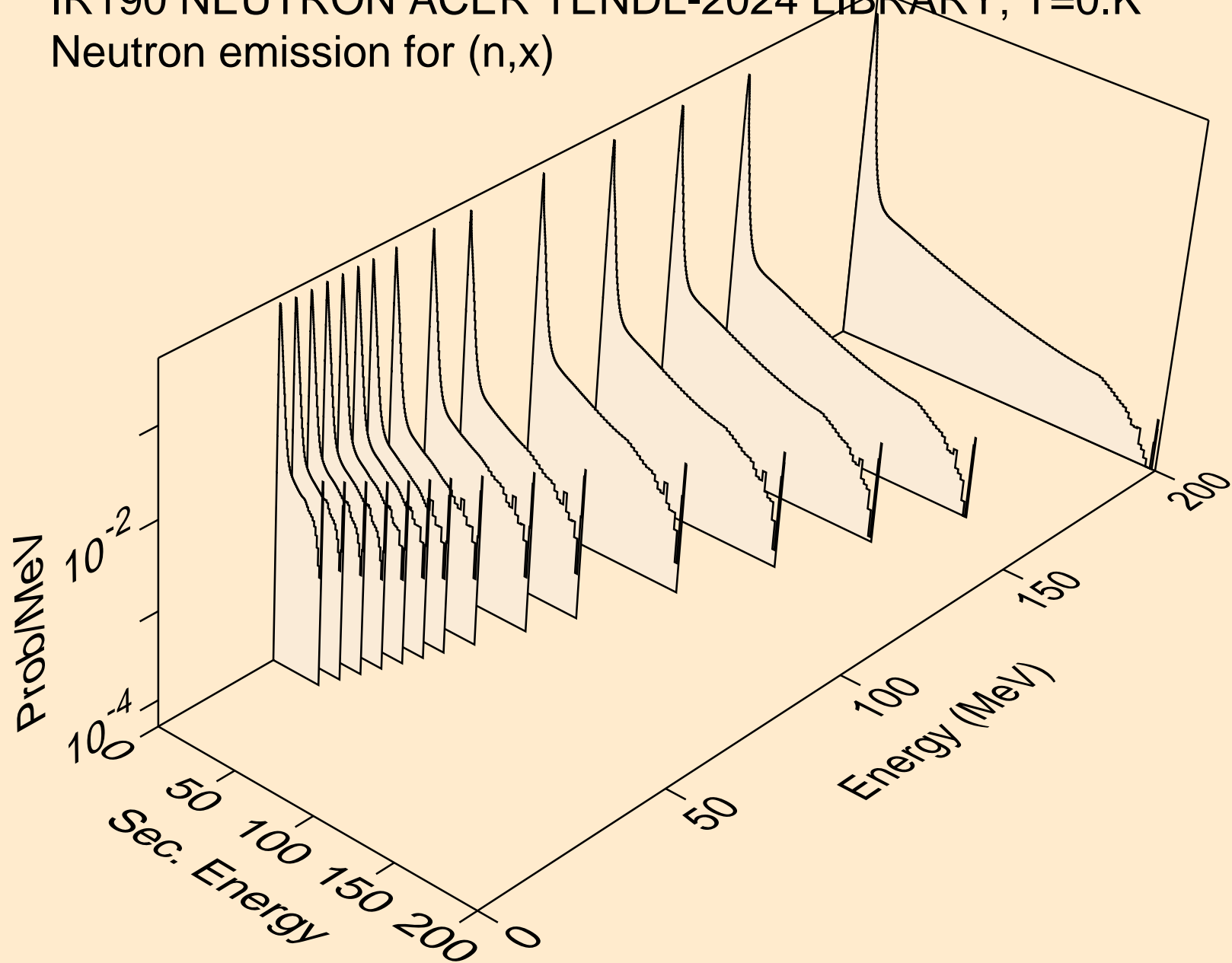
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



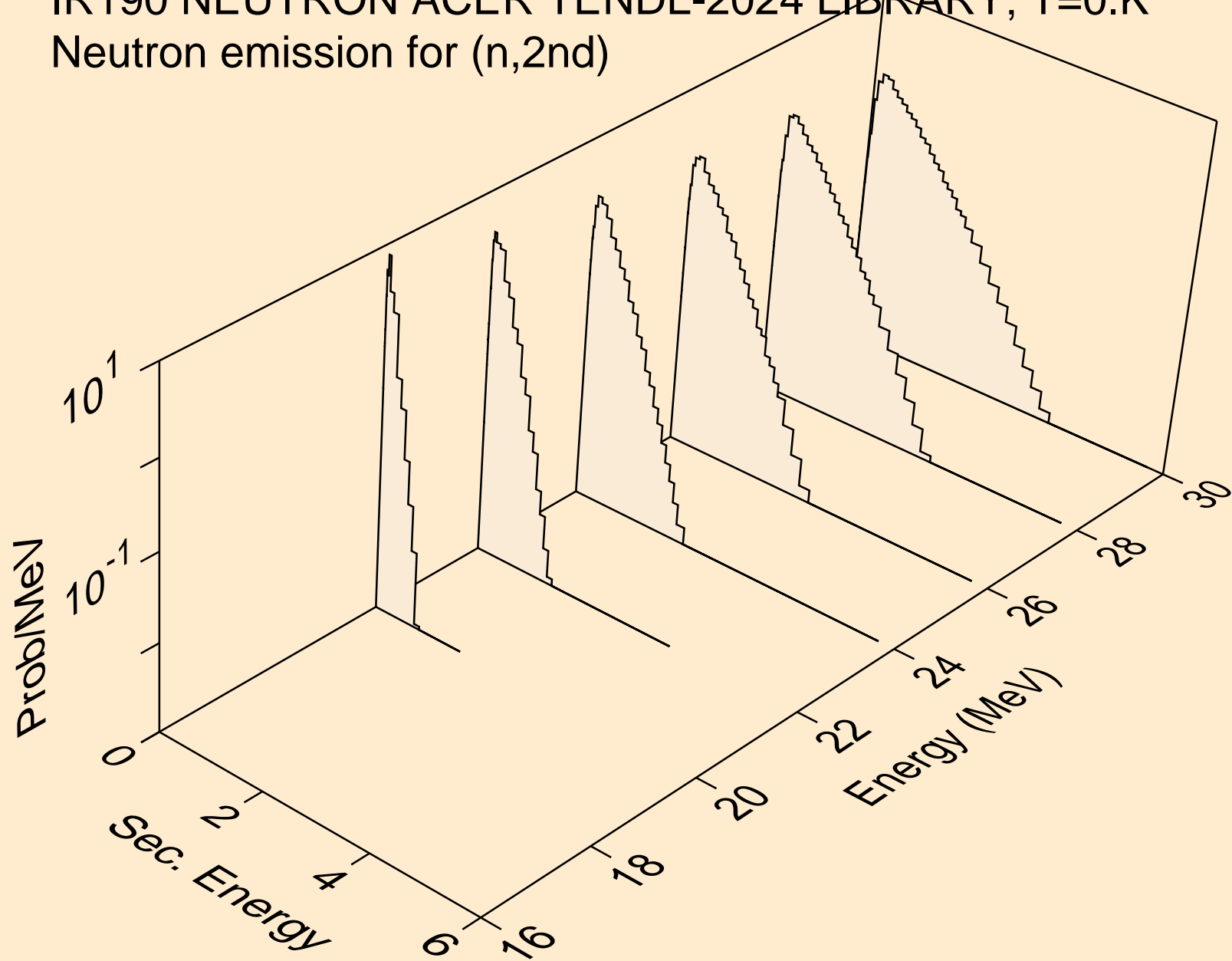
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*28)



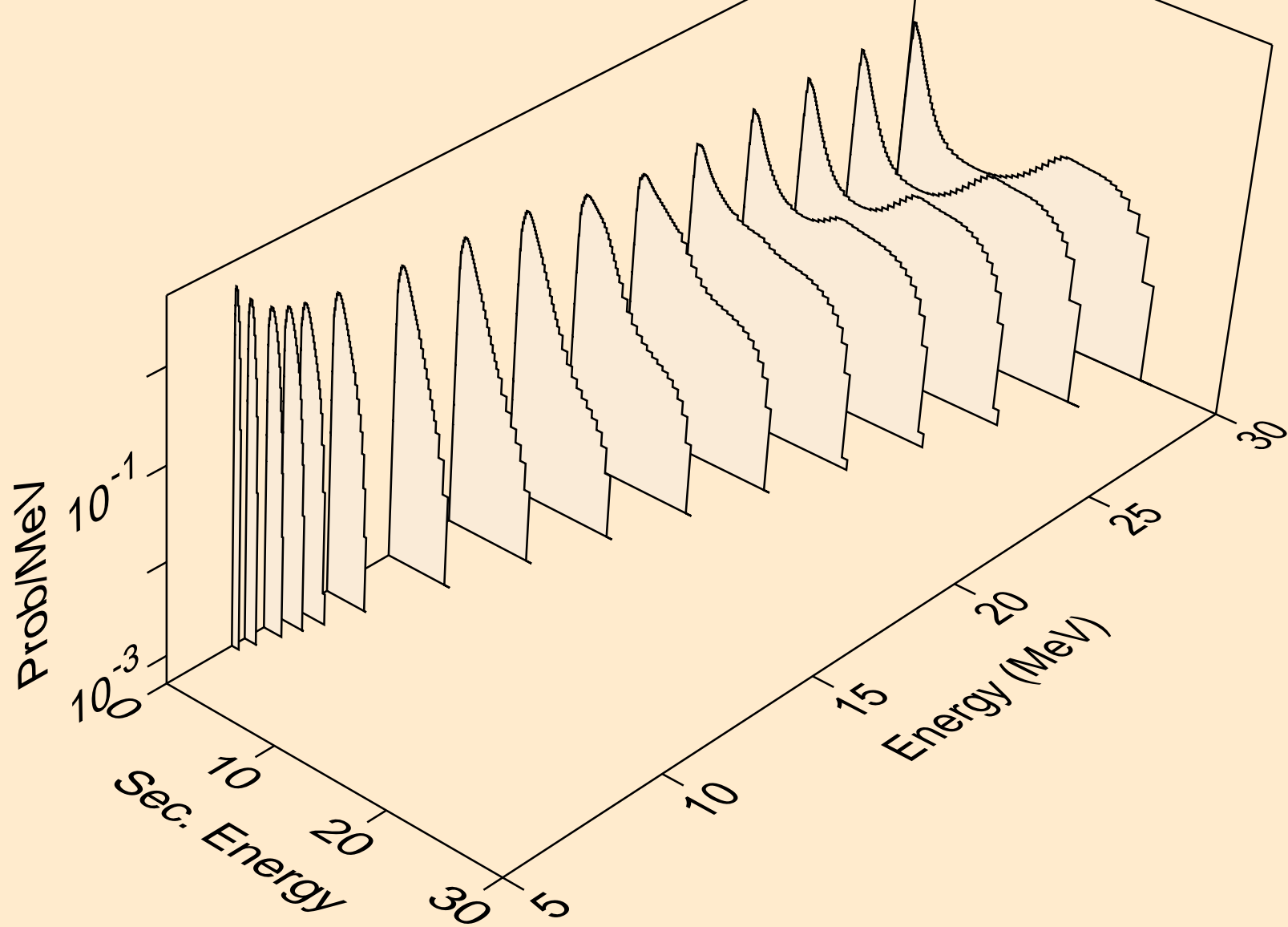
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



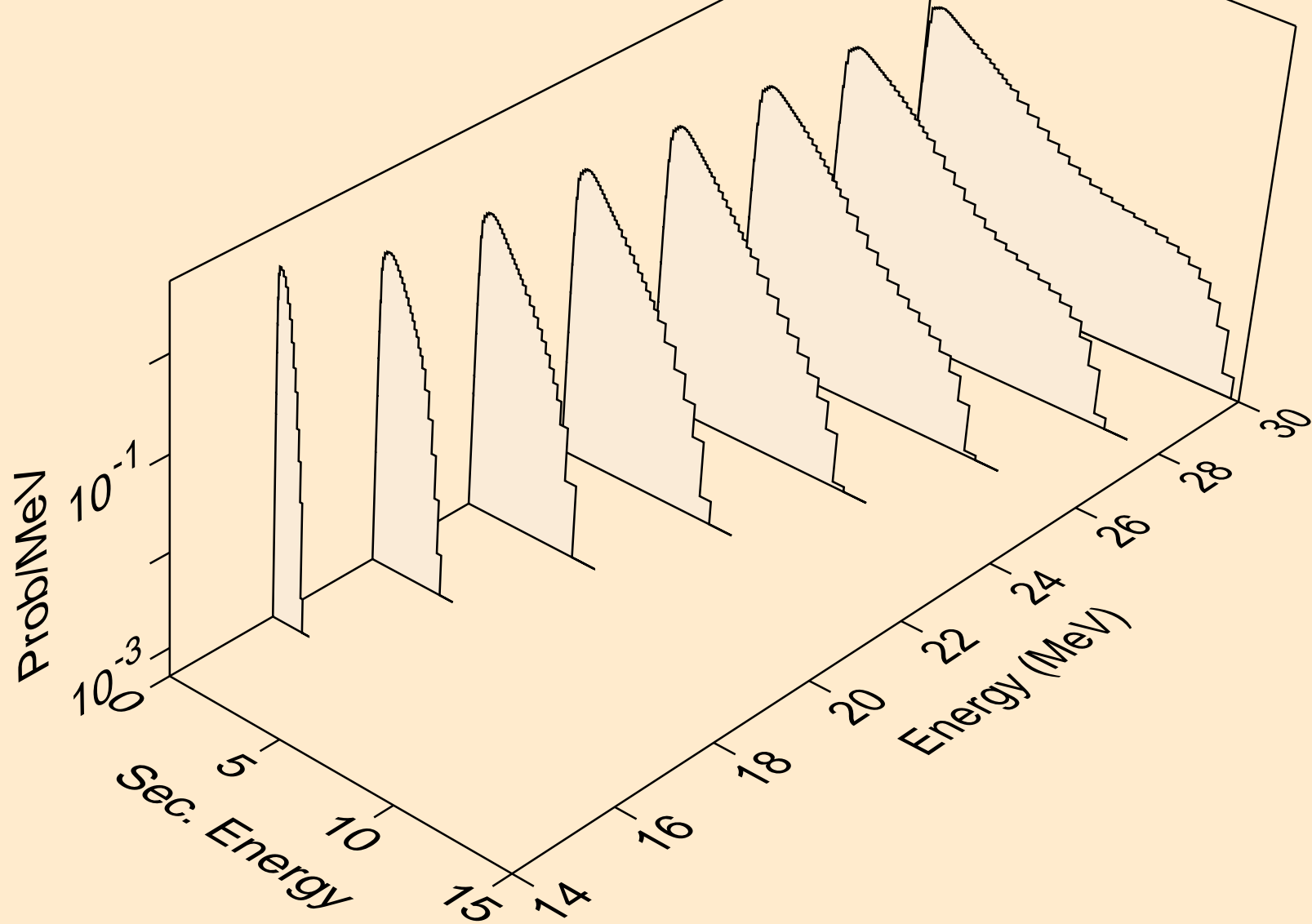
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)

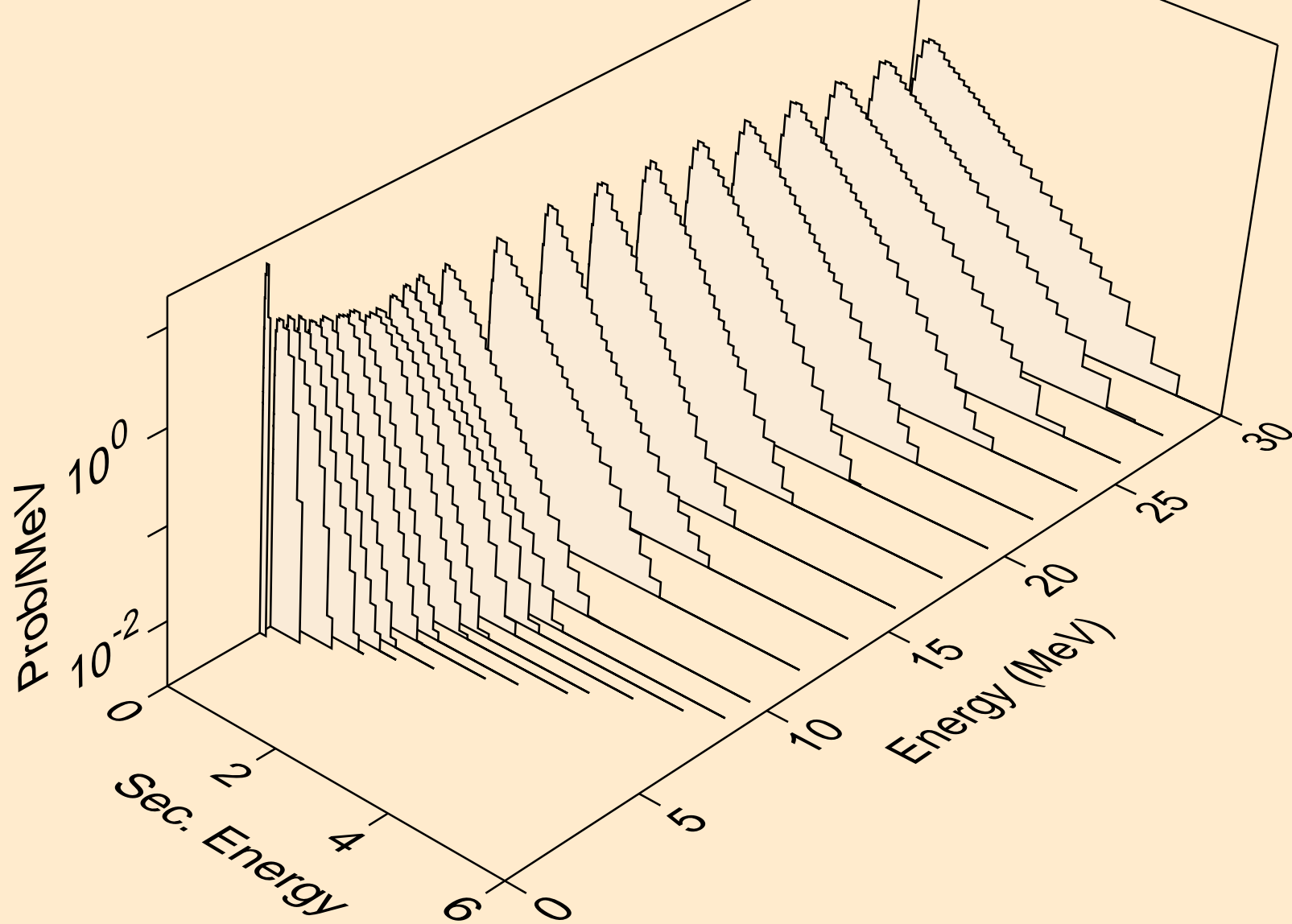


IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)

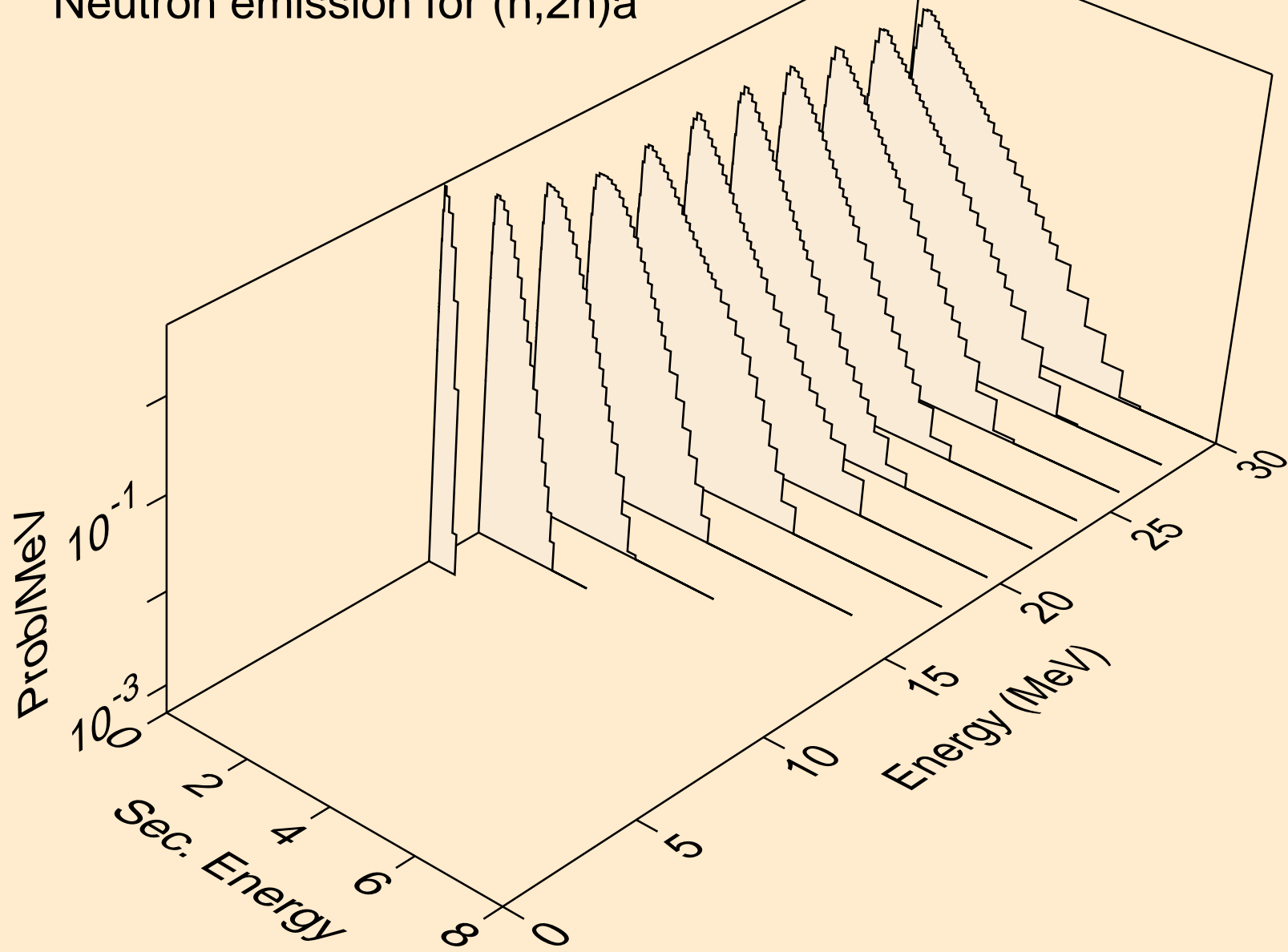




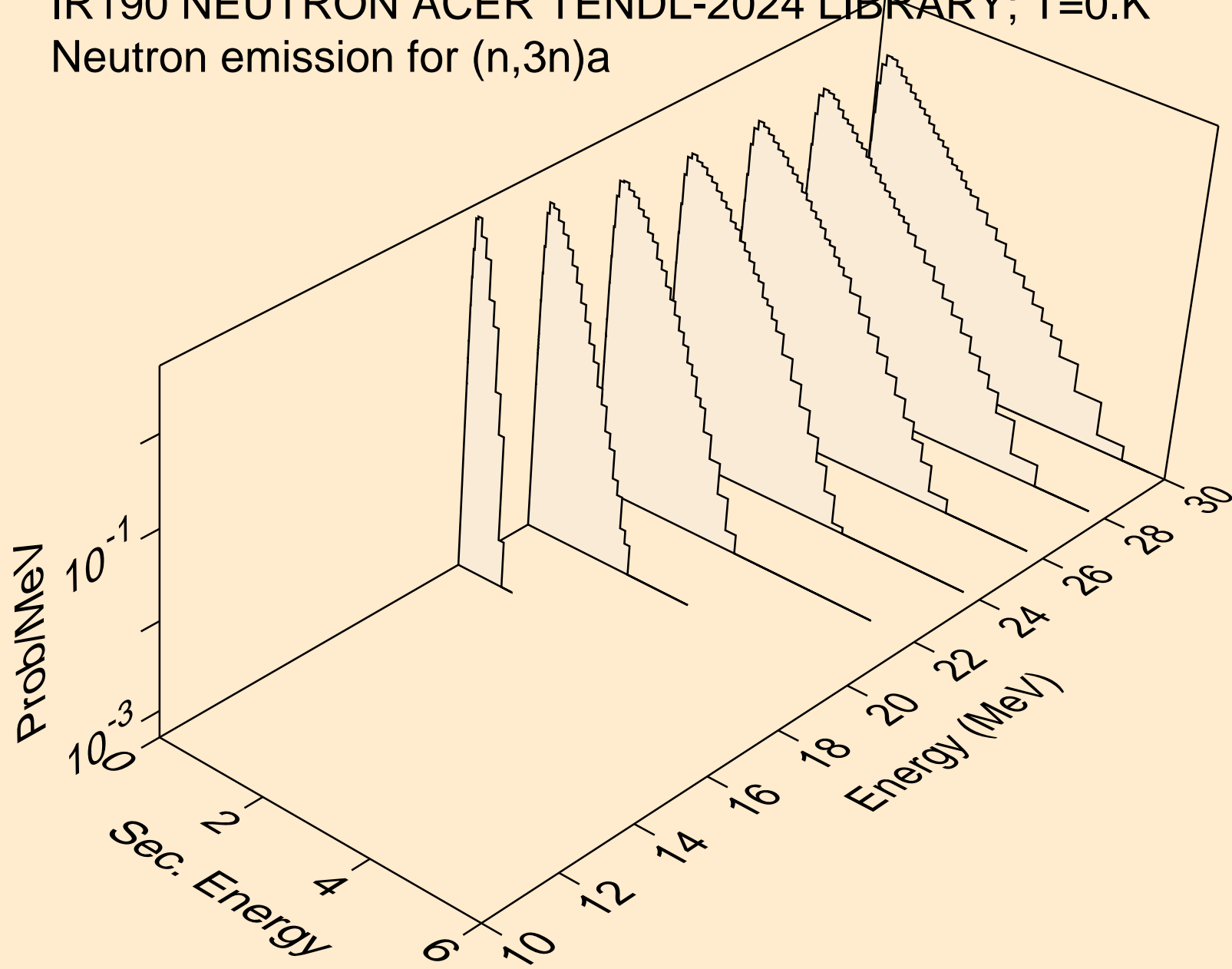
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



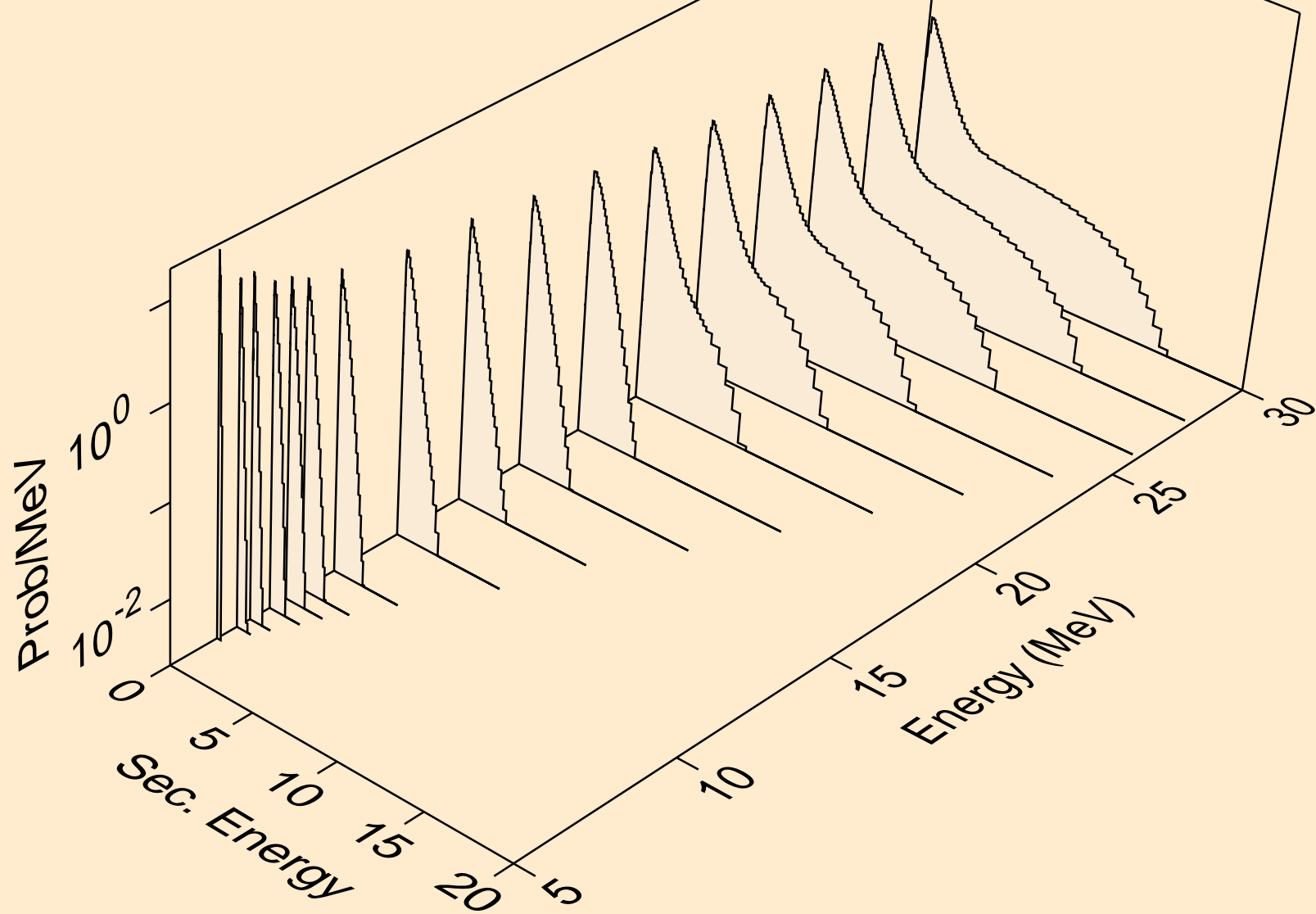
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



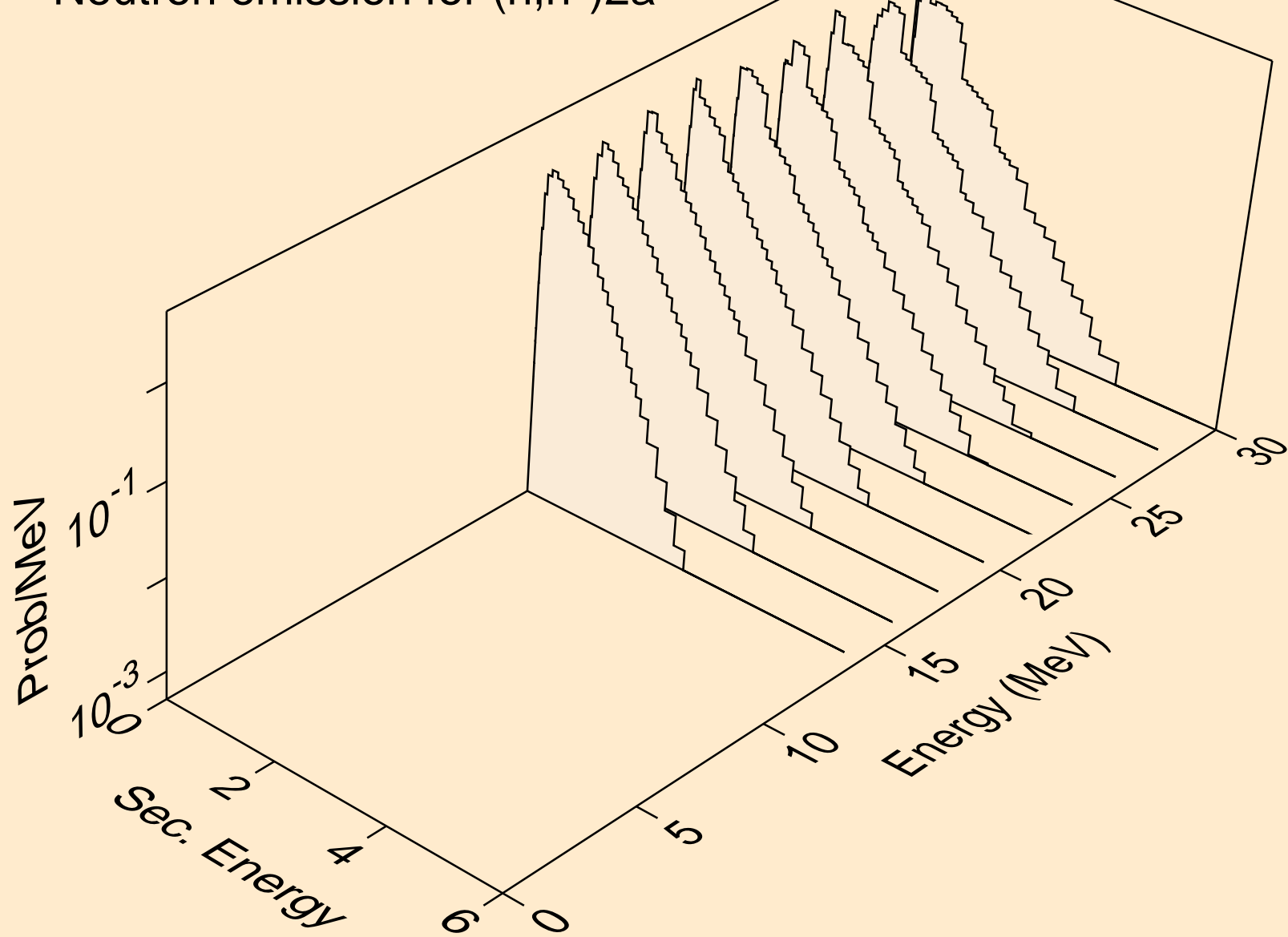
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



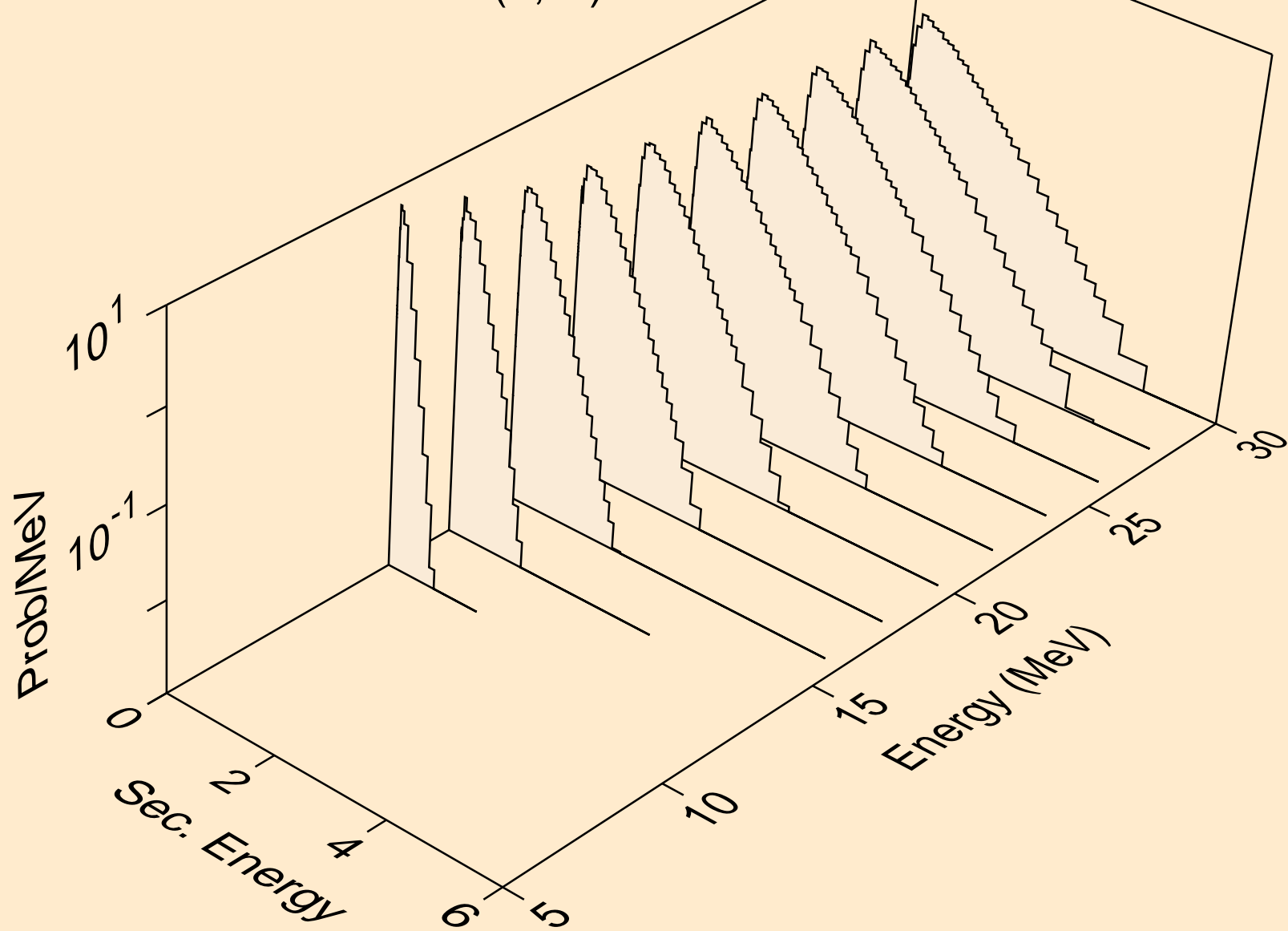
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



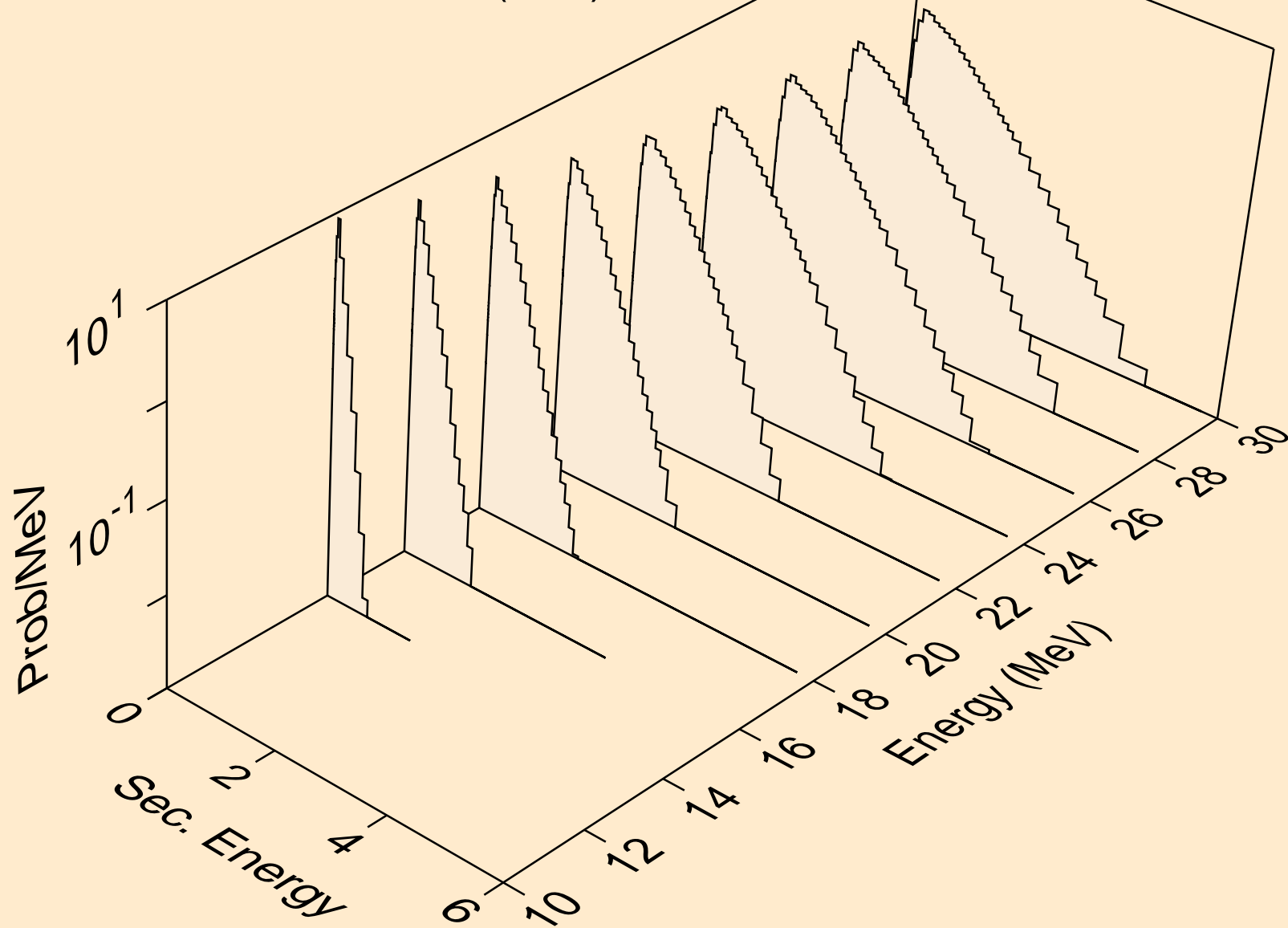
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



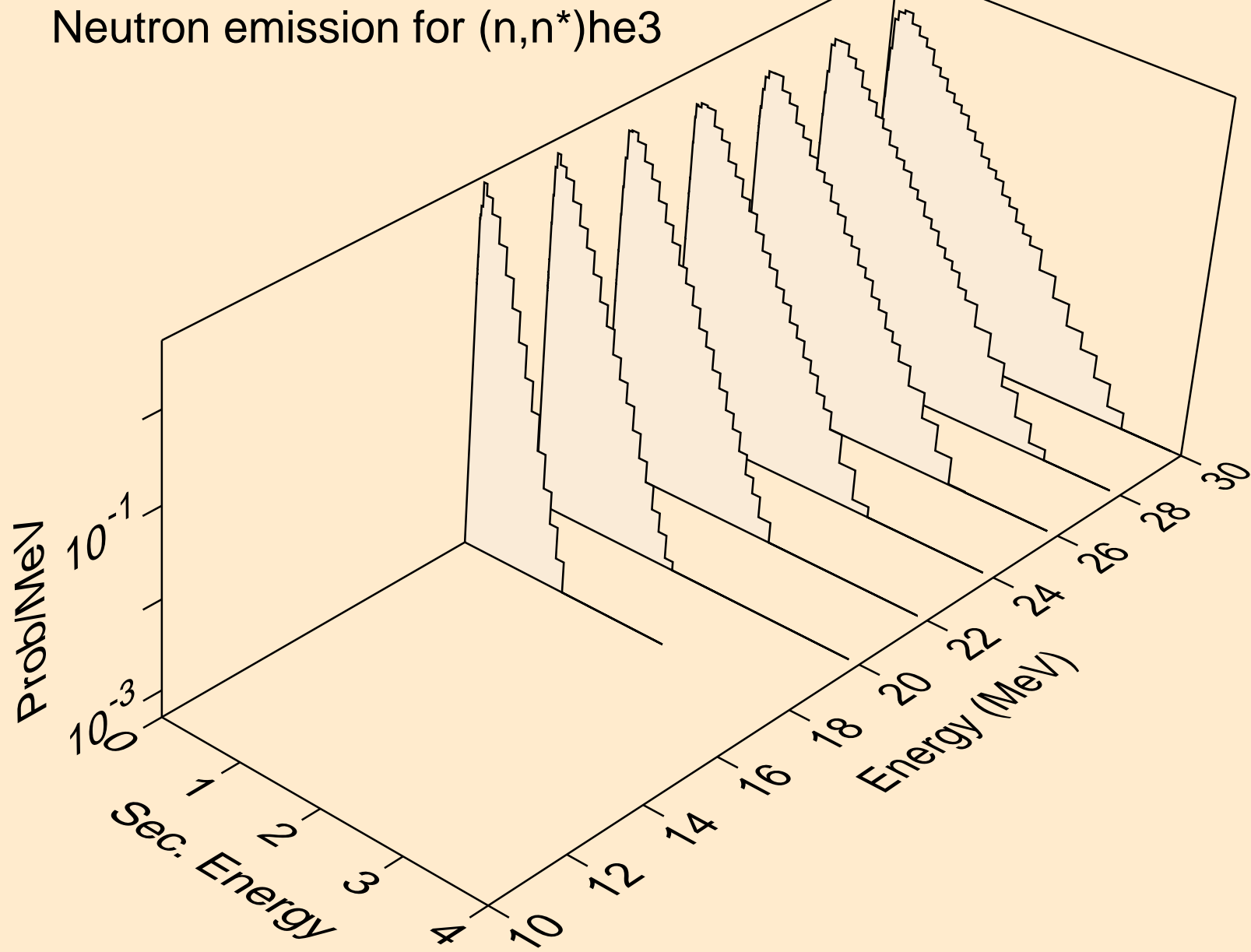
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t

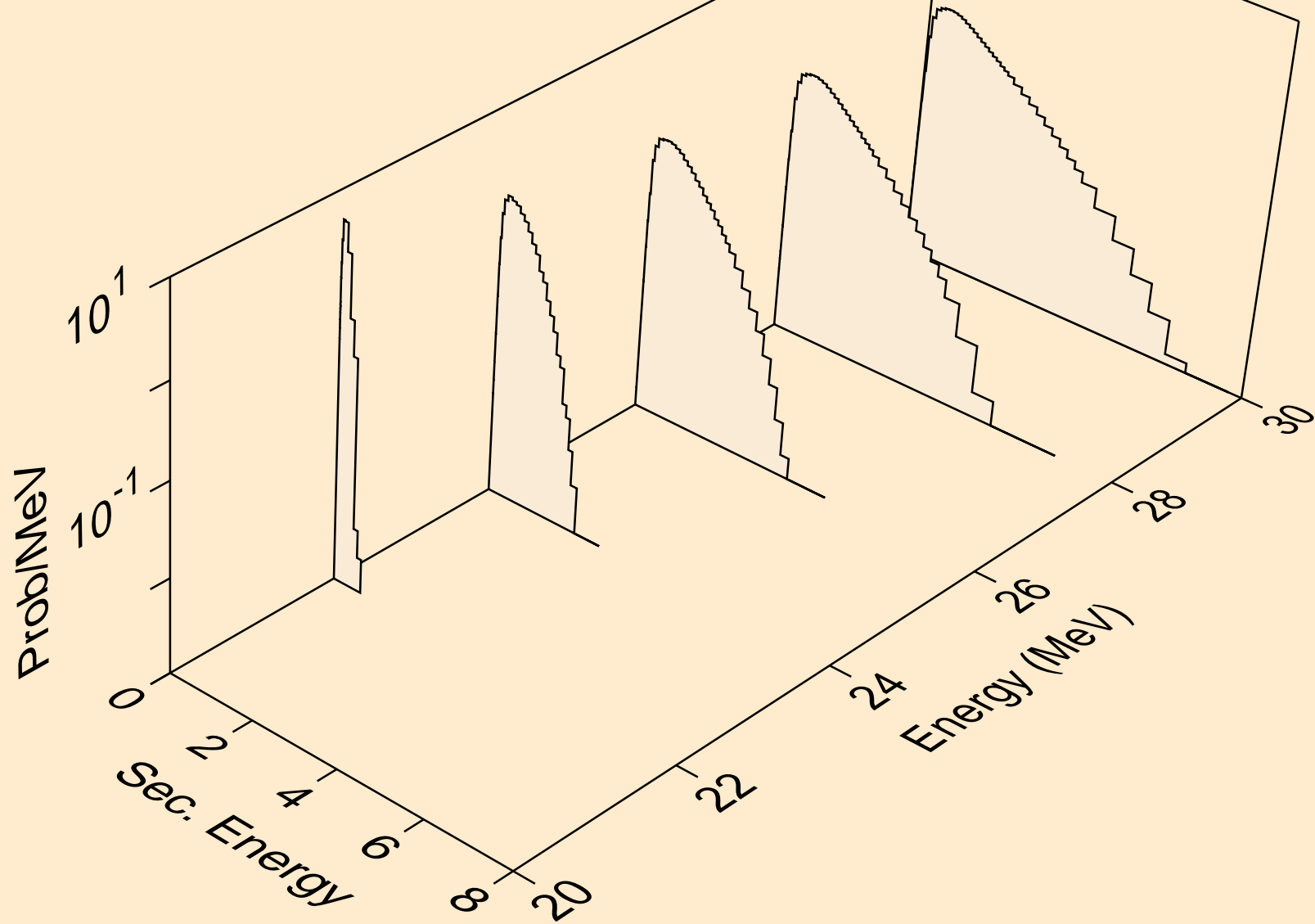


IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3

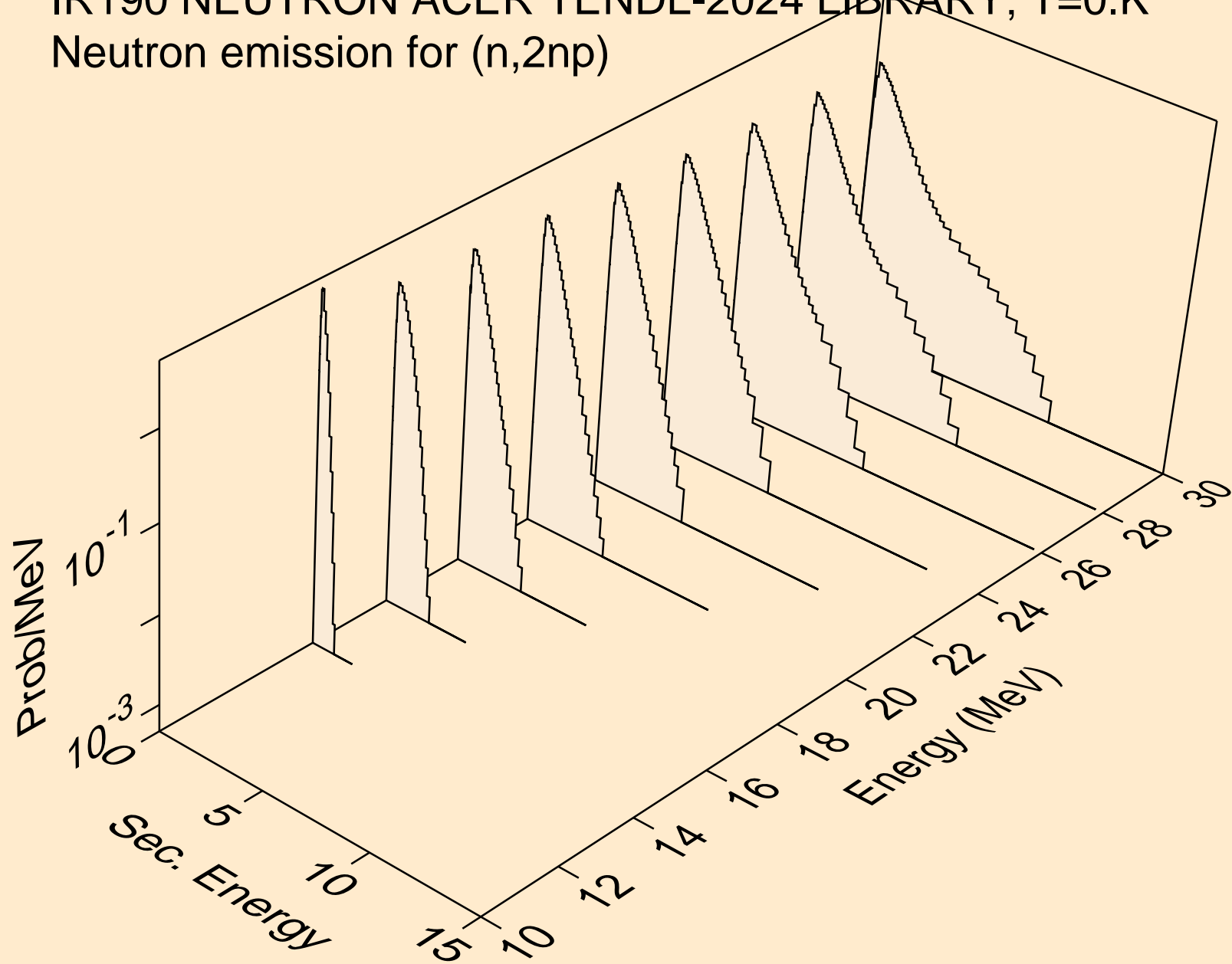




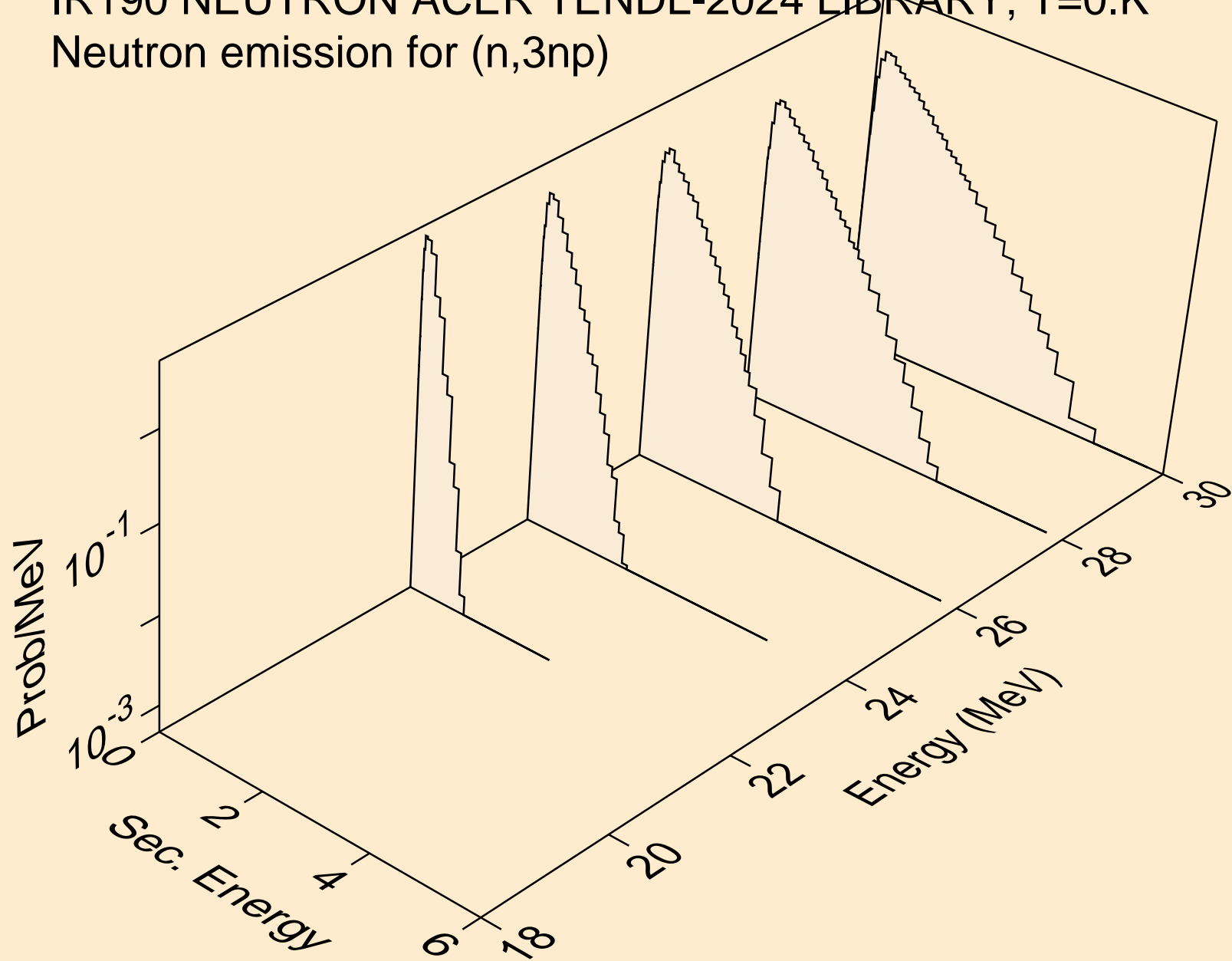
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)



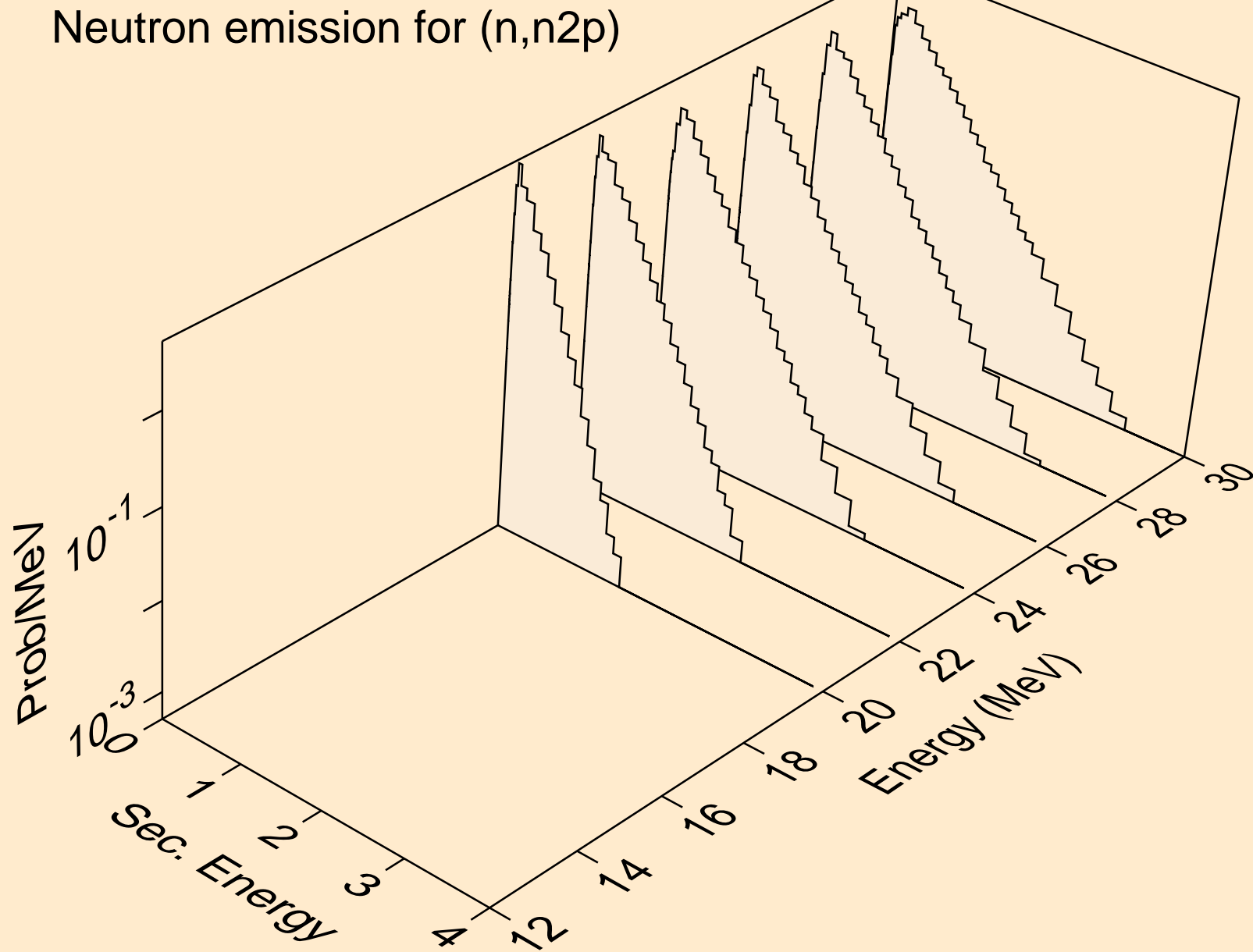
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



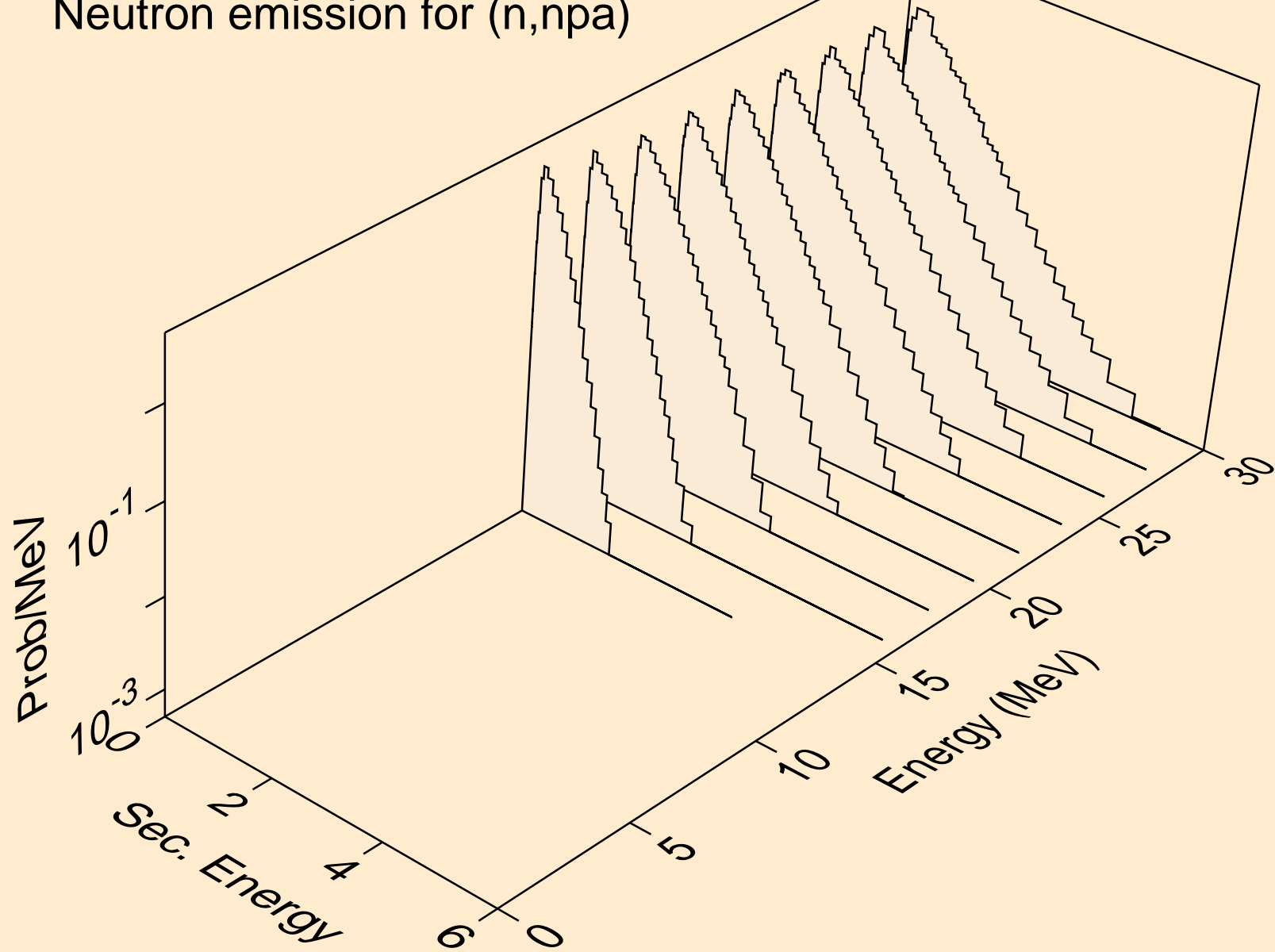
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)



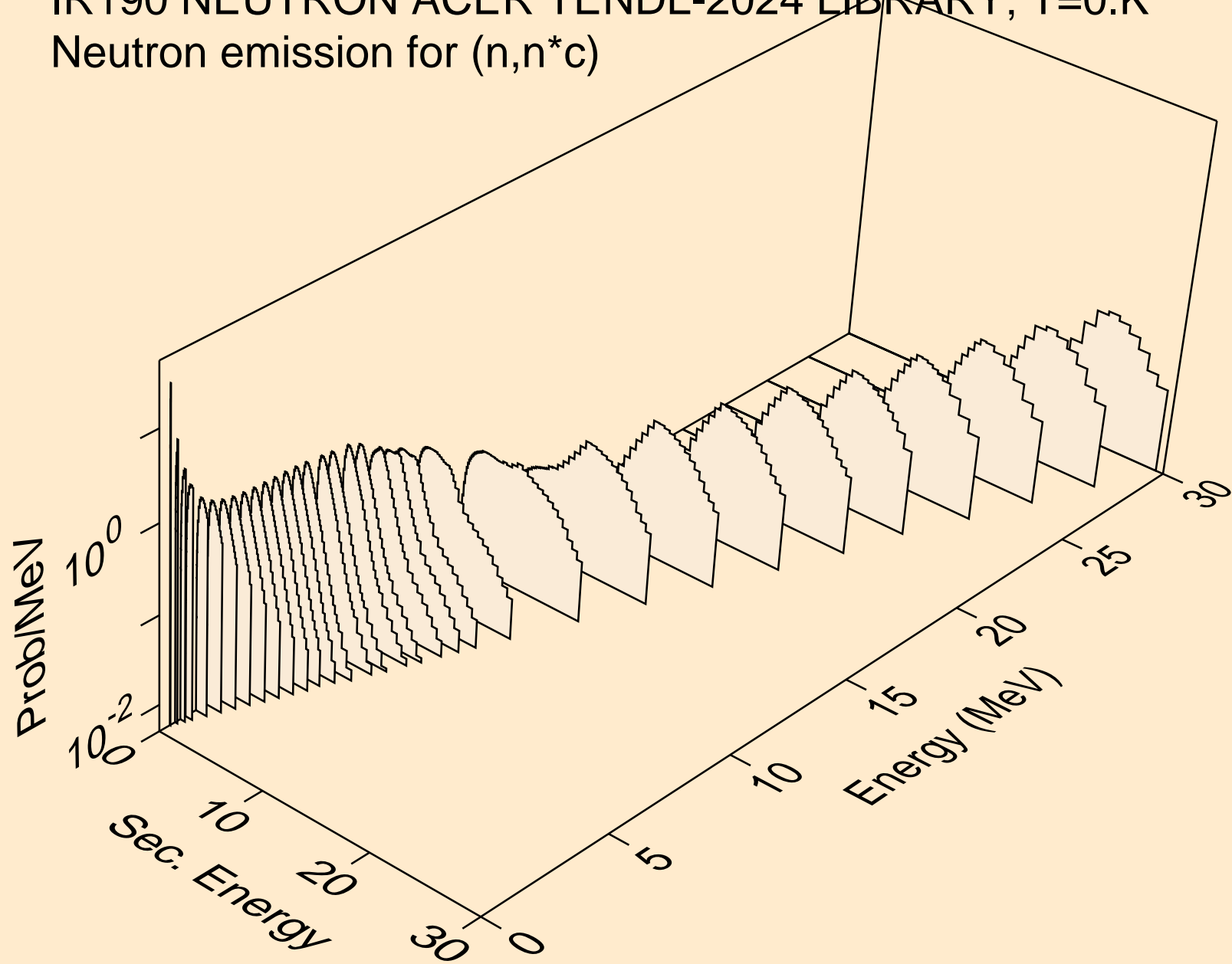
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



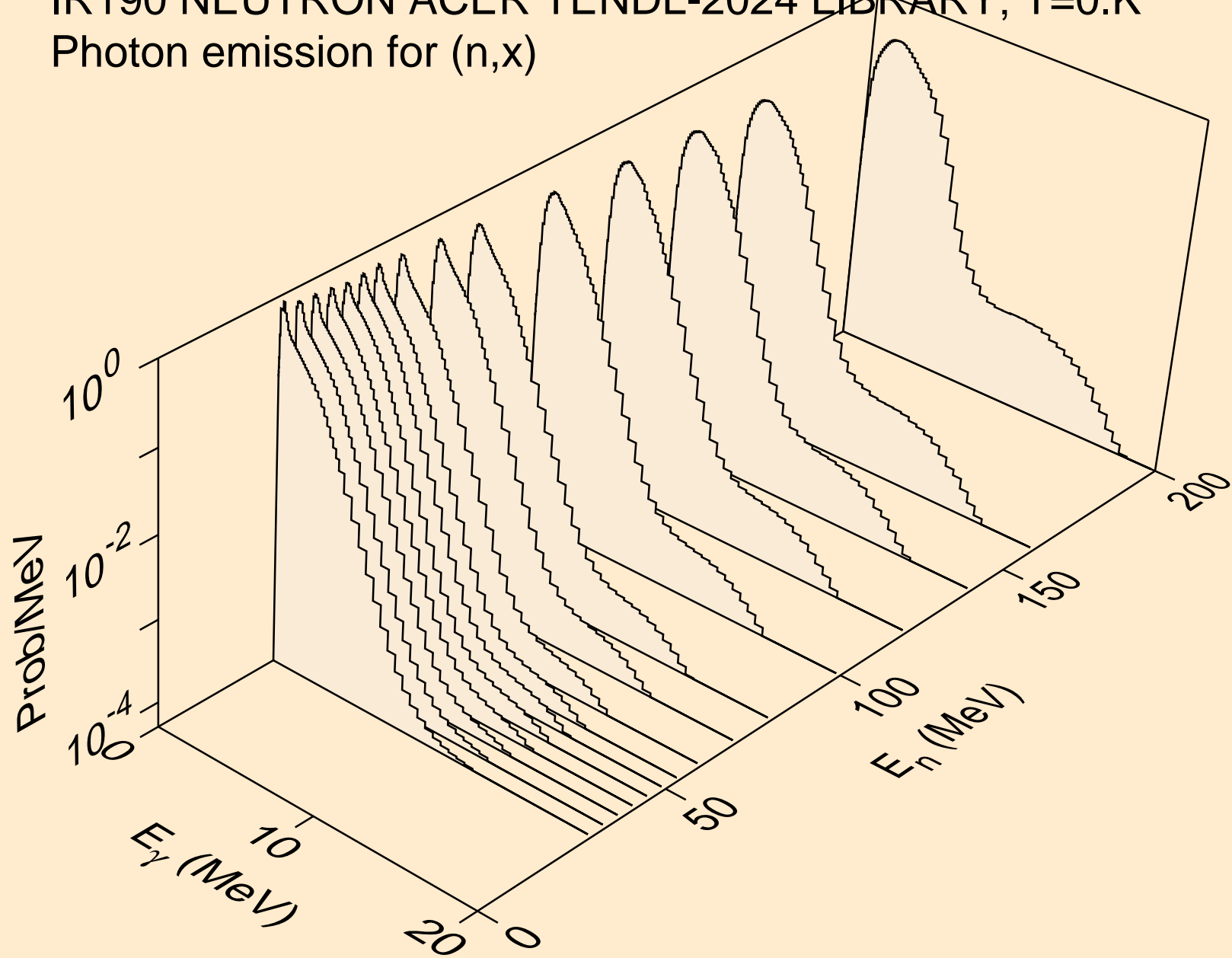
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)



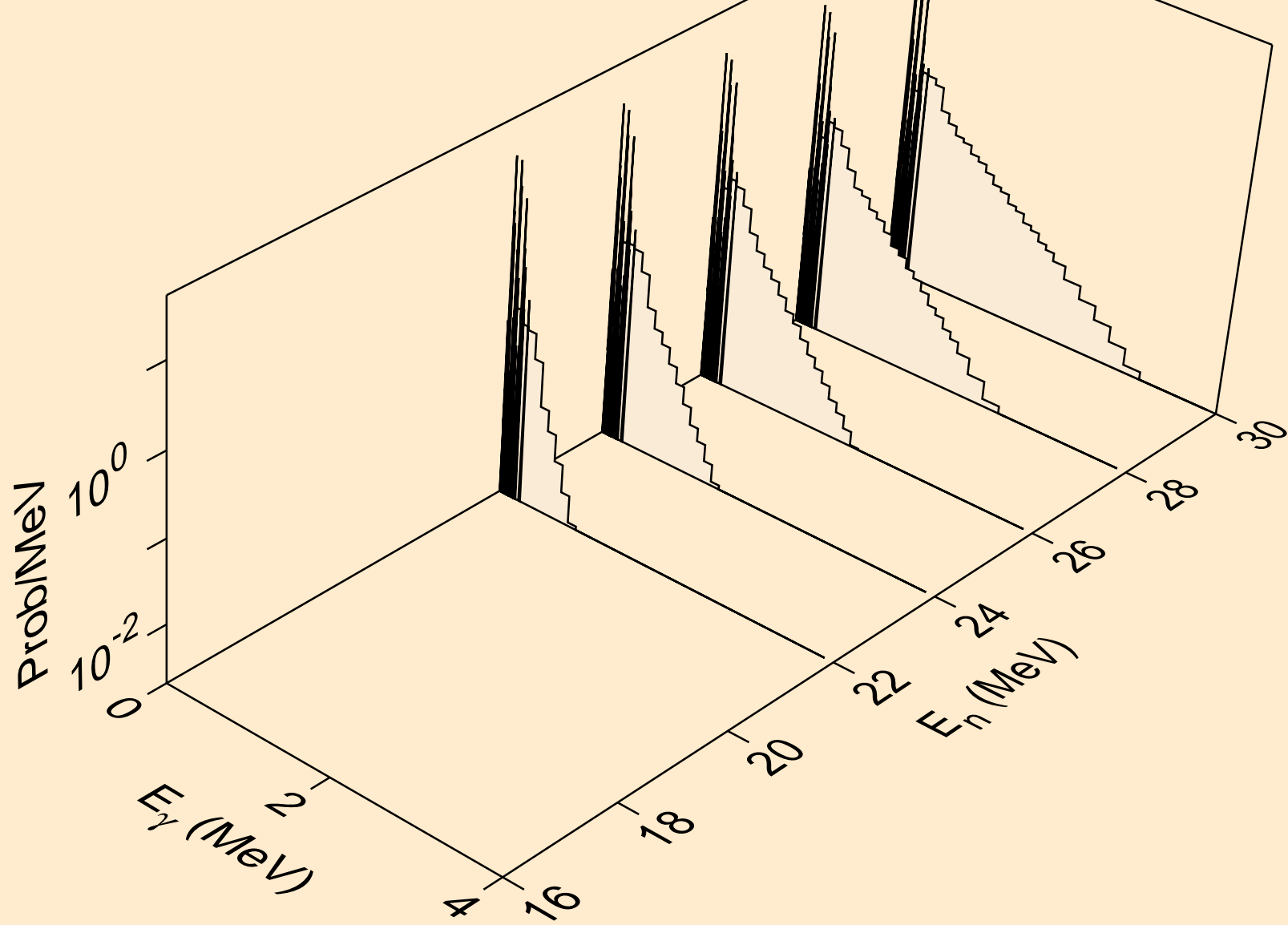
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)

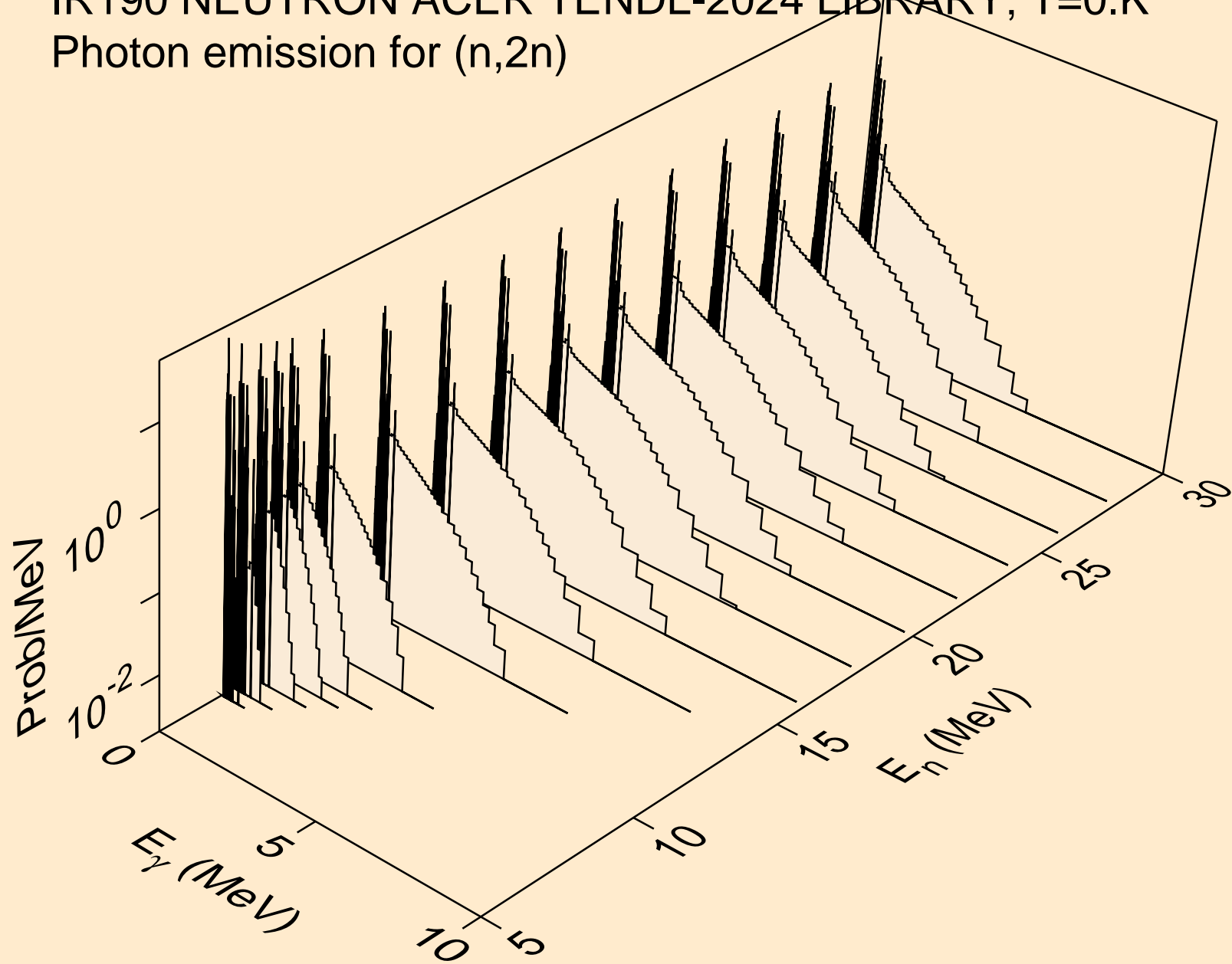


IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)

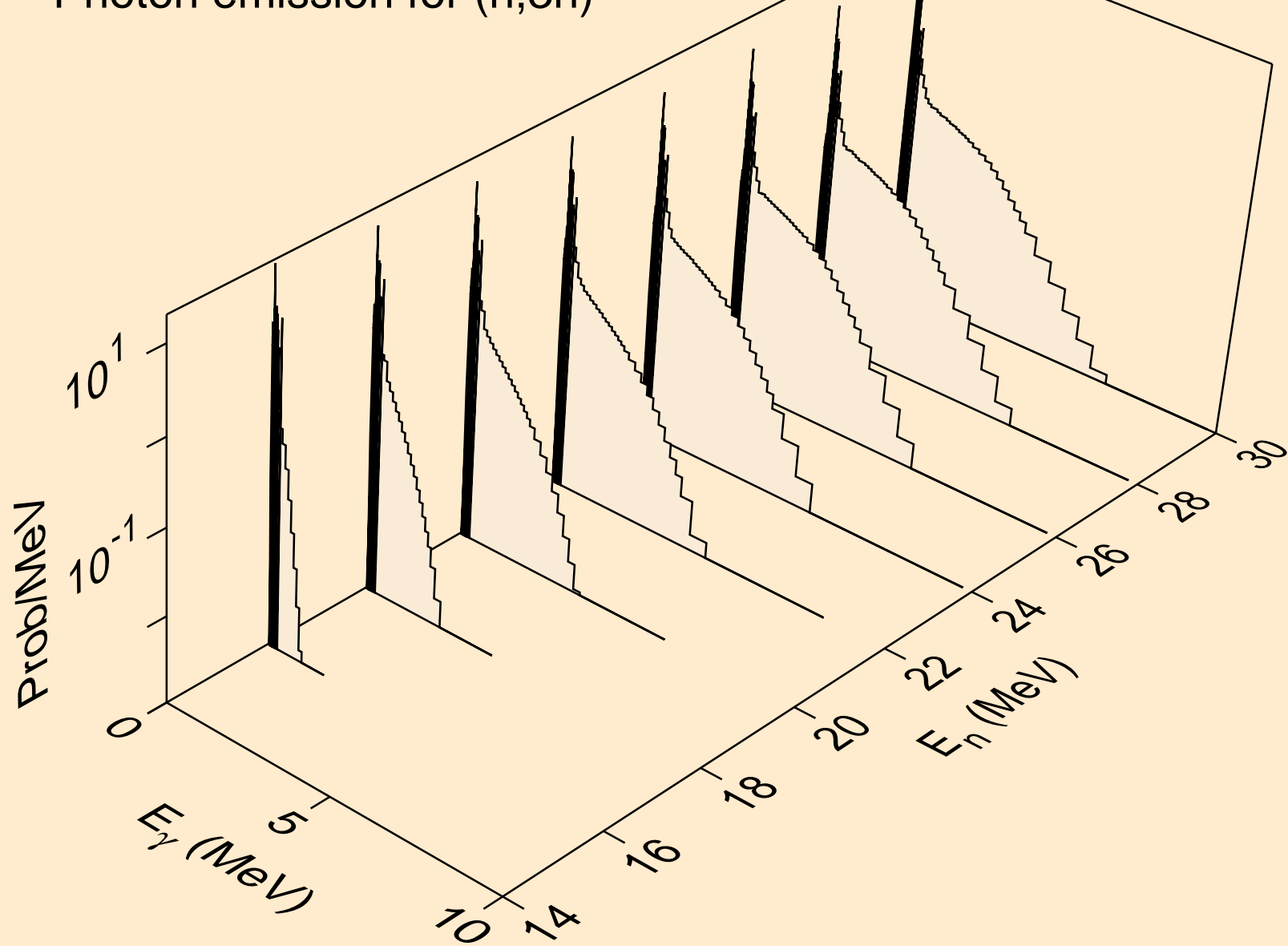




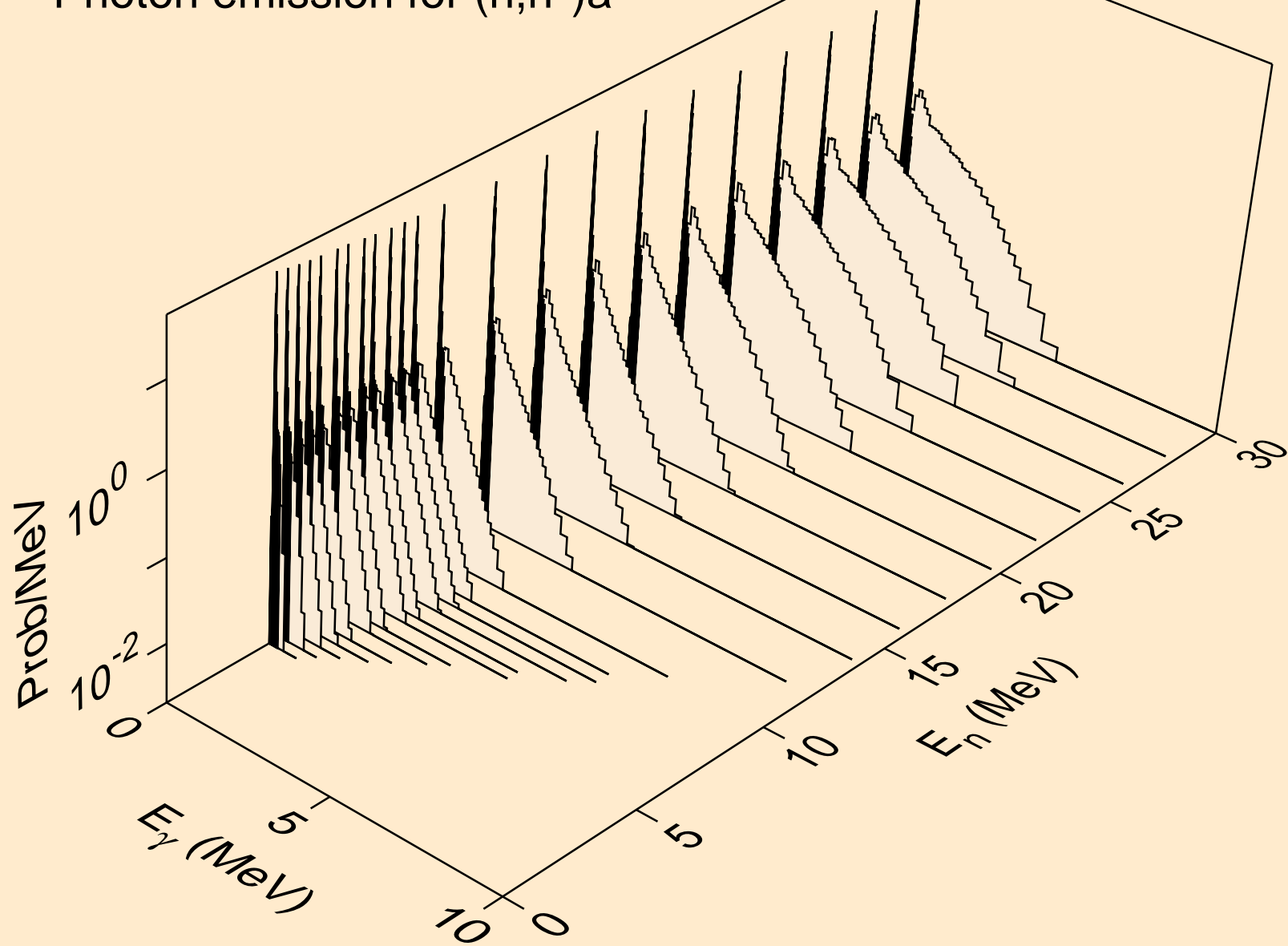
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



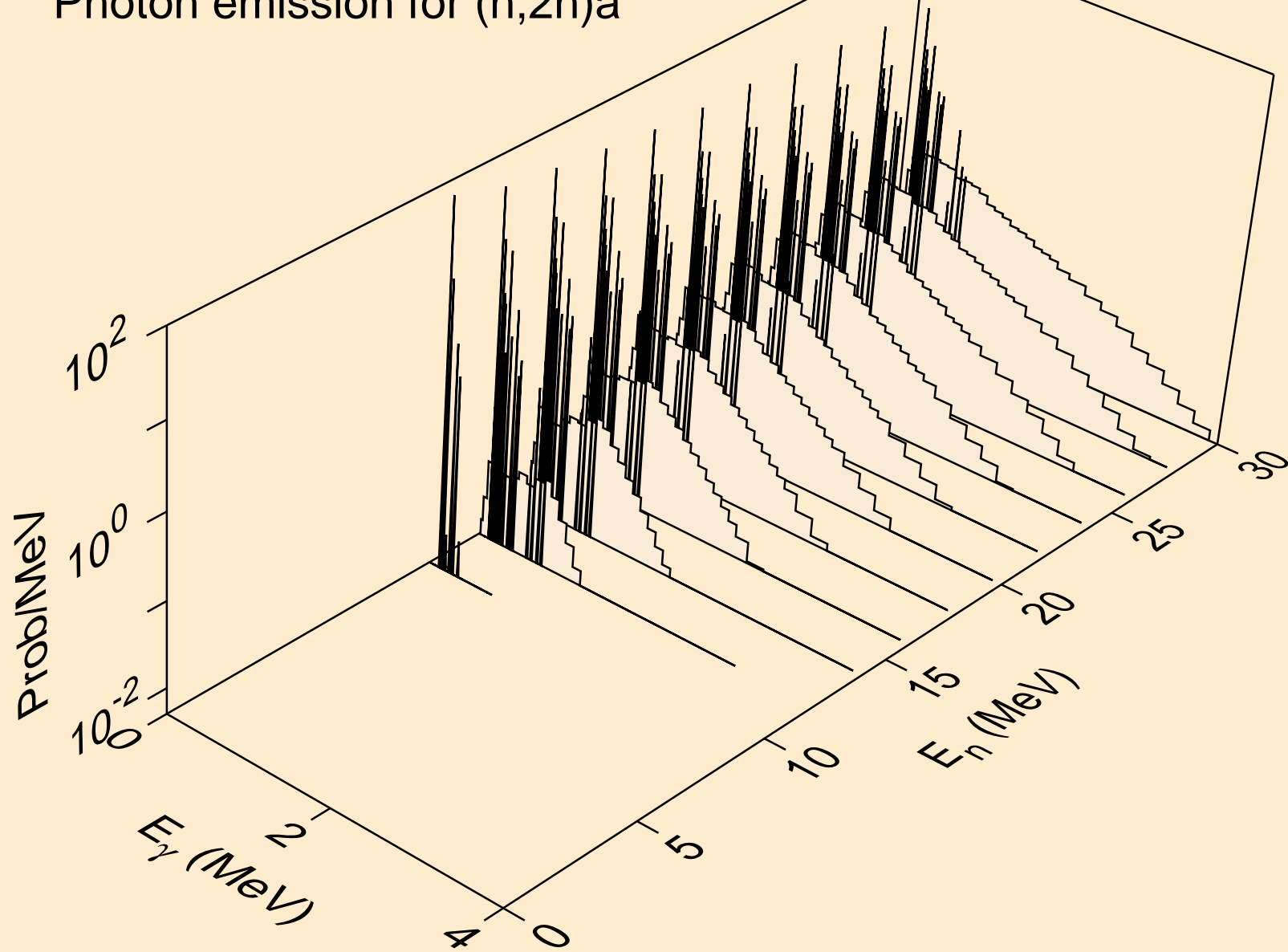
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



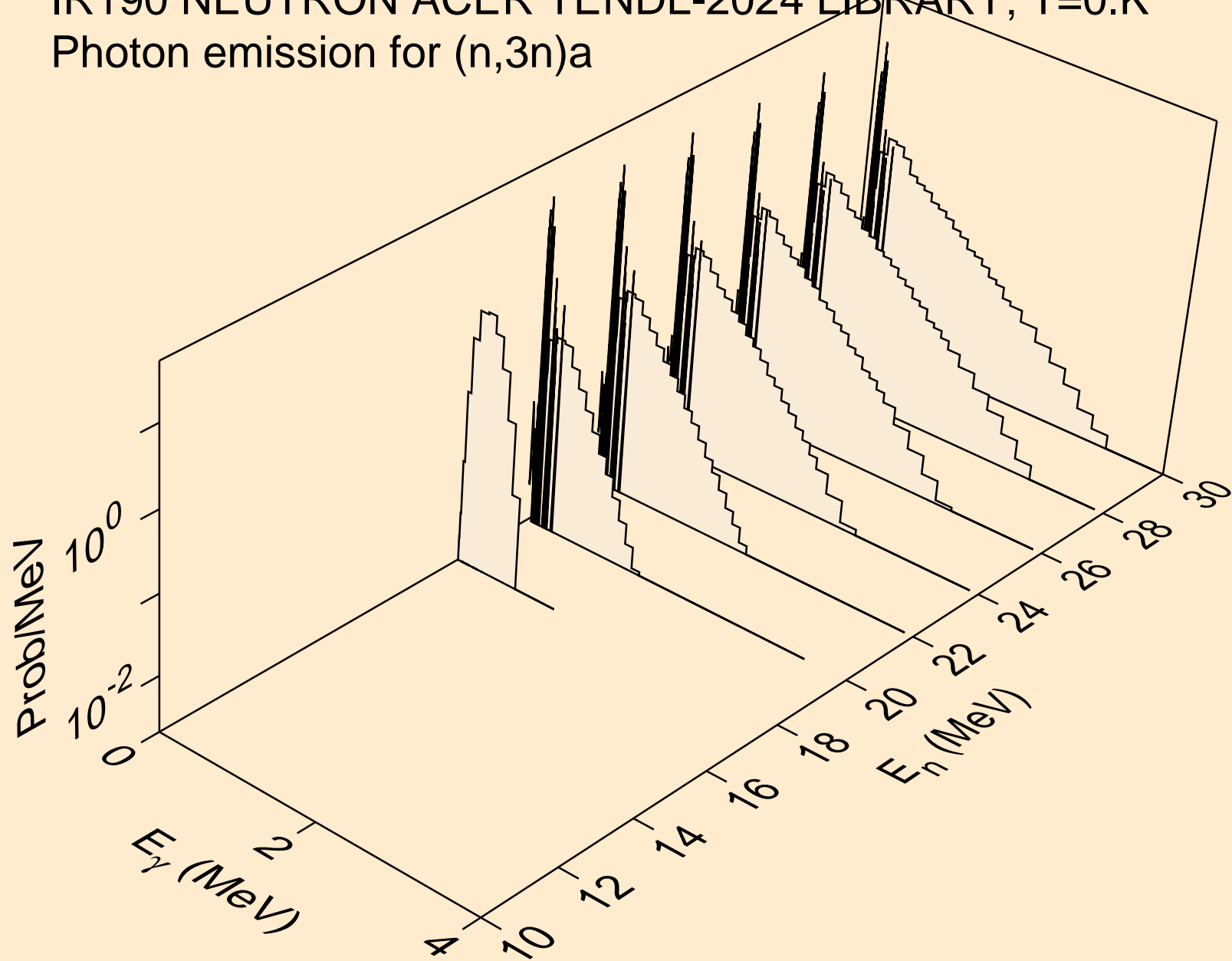
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



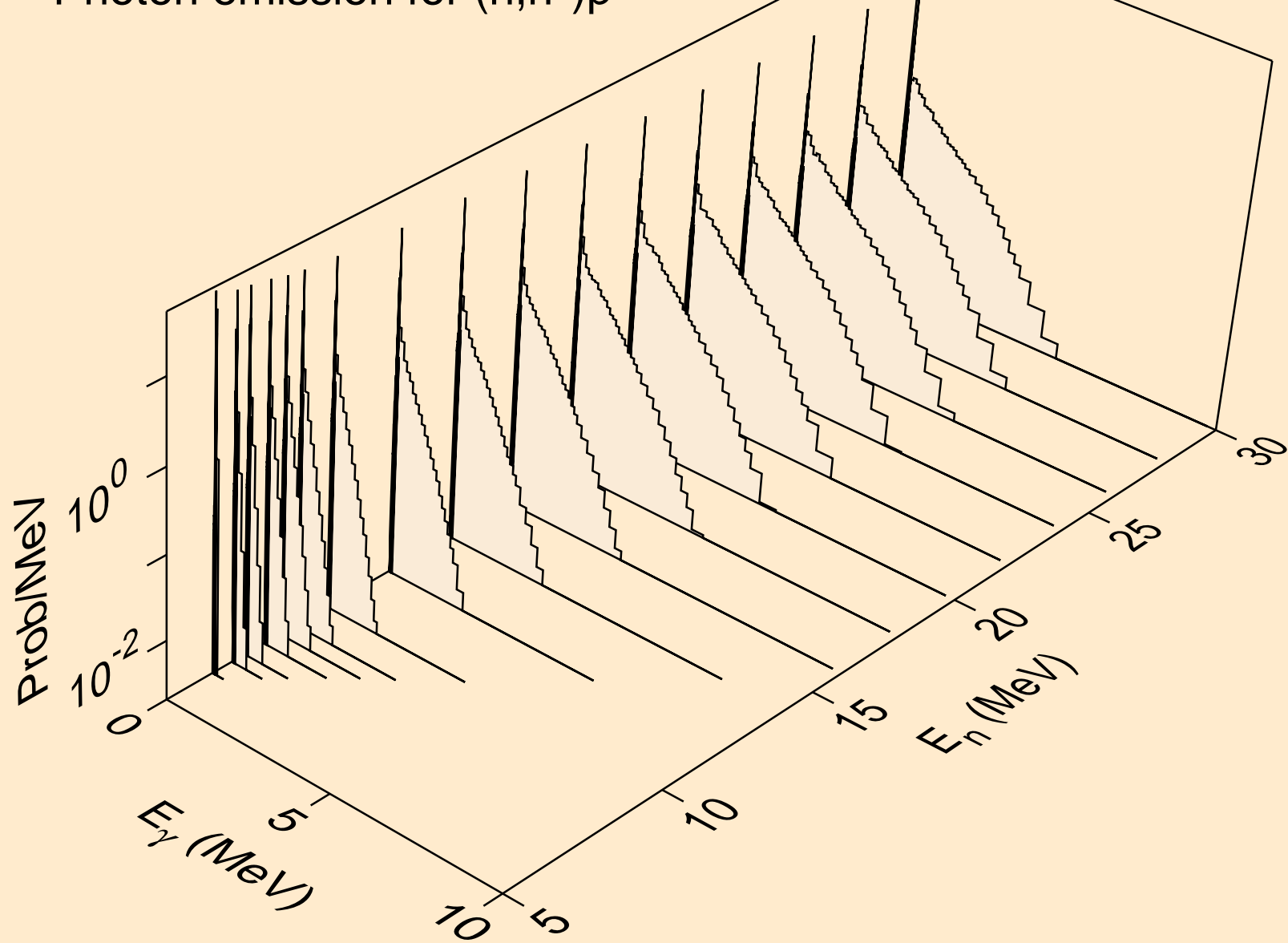
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



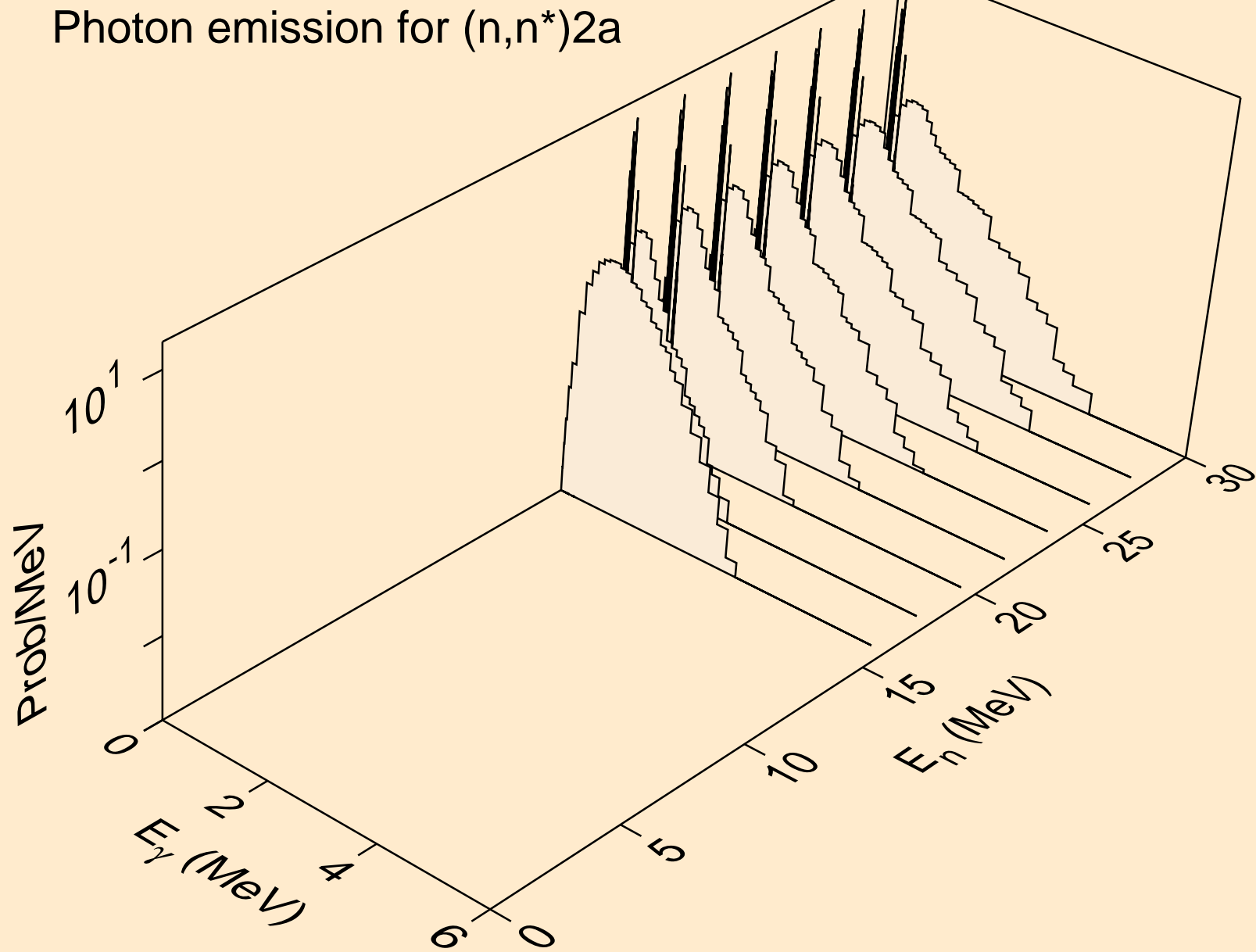
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a



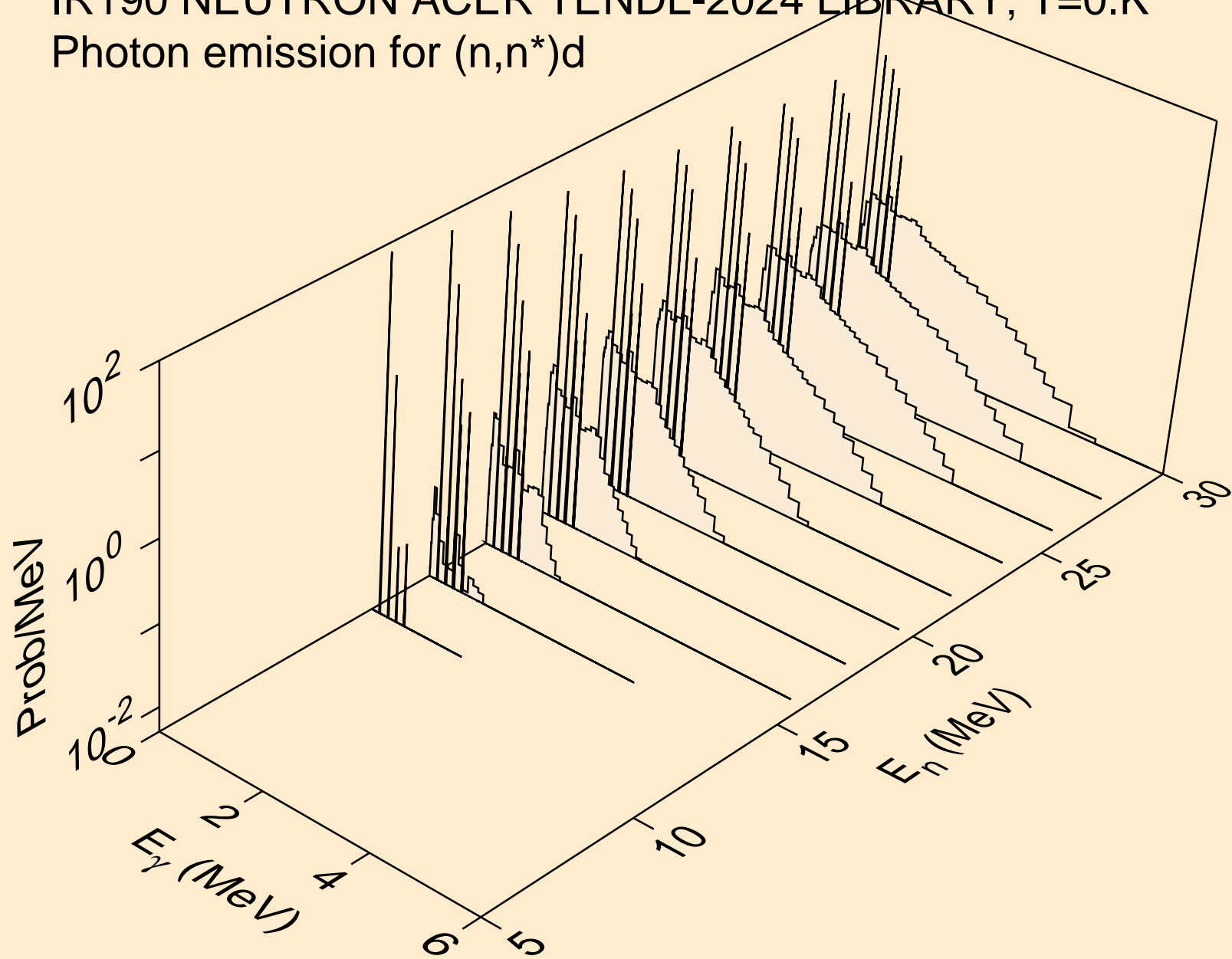
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

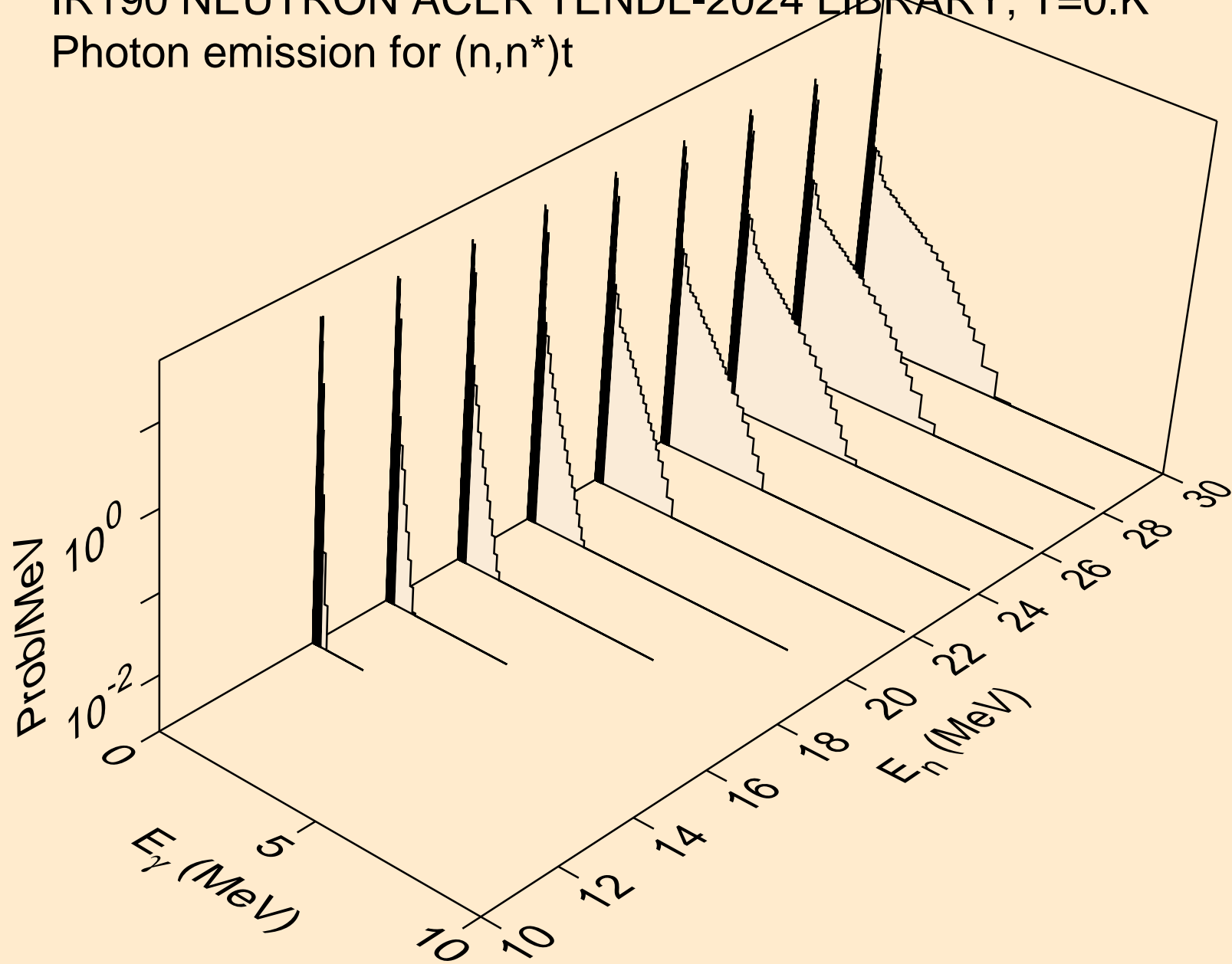


IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

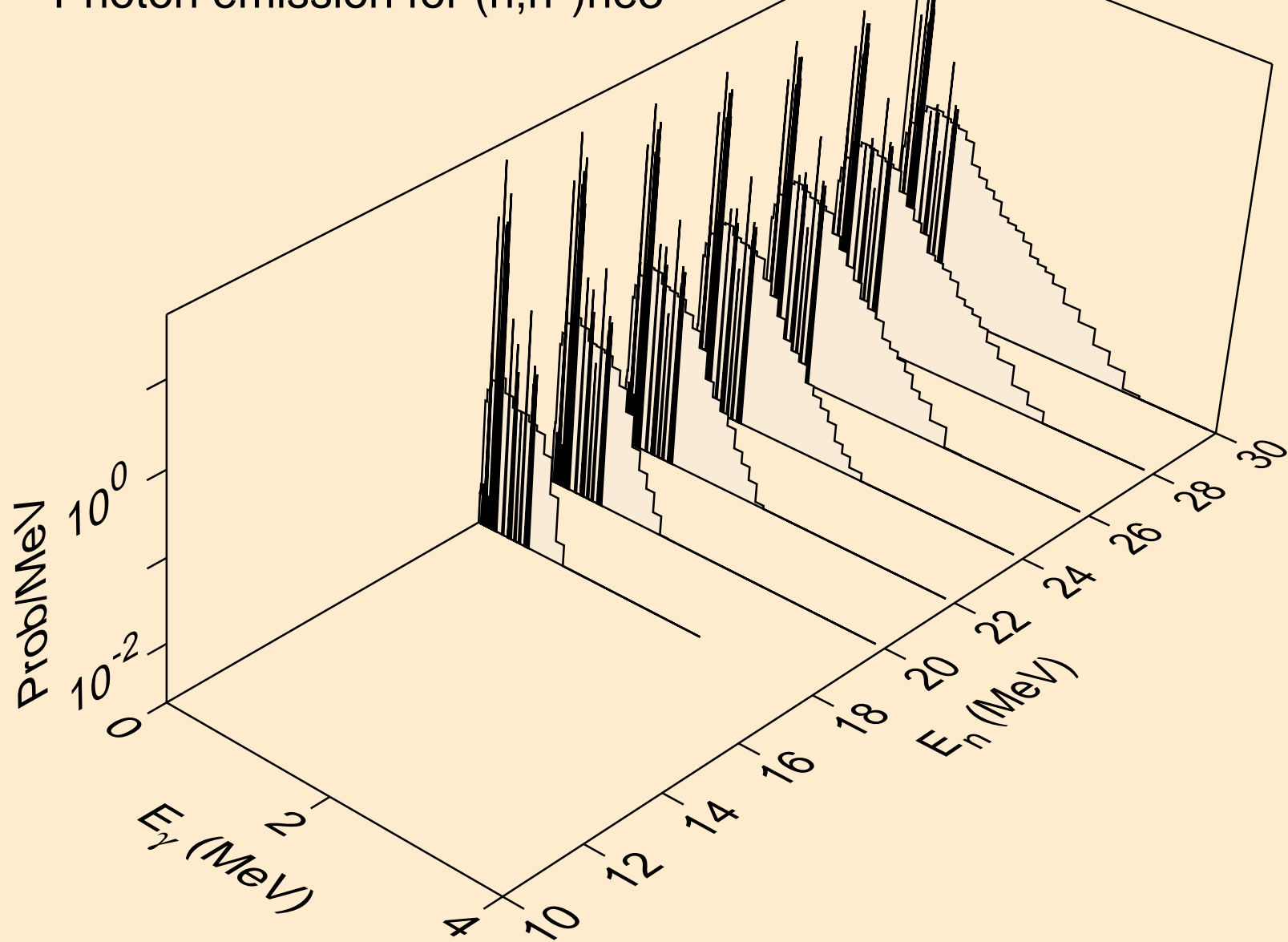




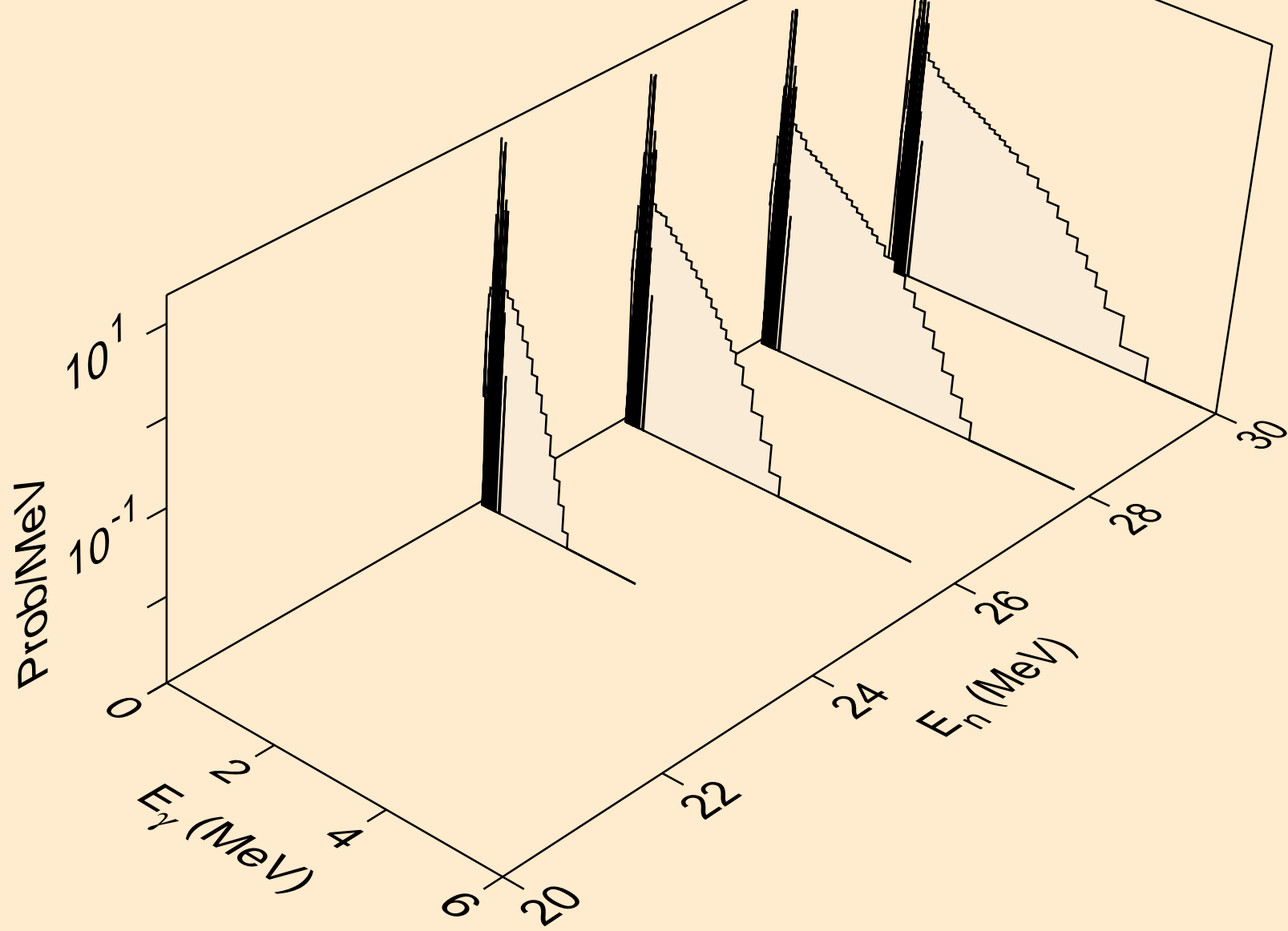
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



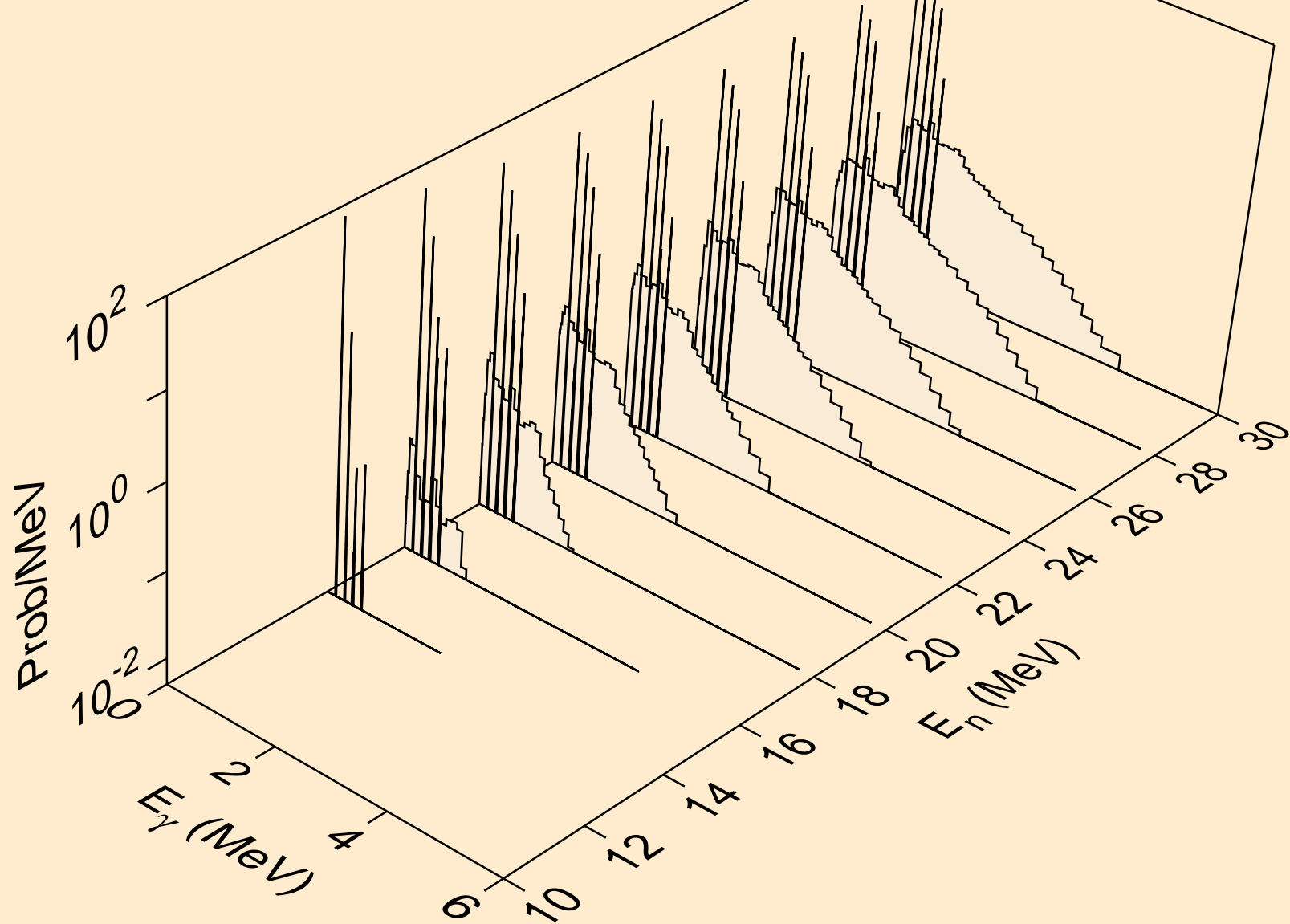
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



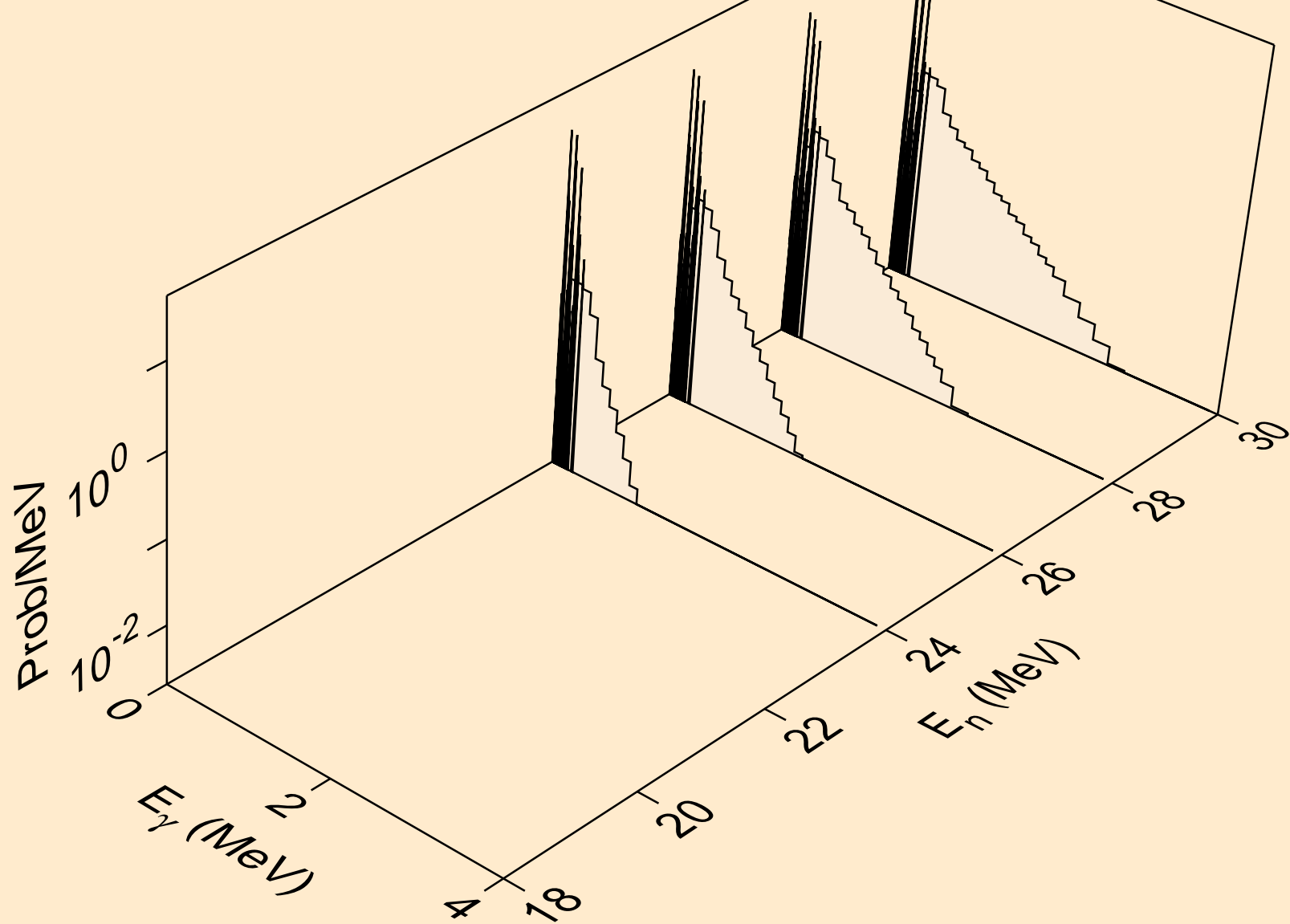
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



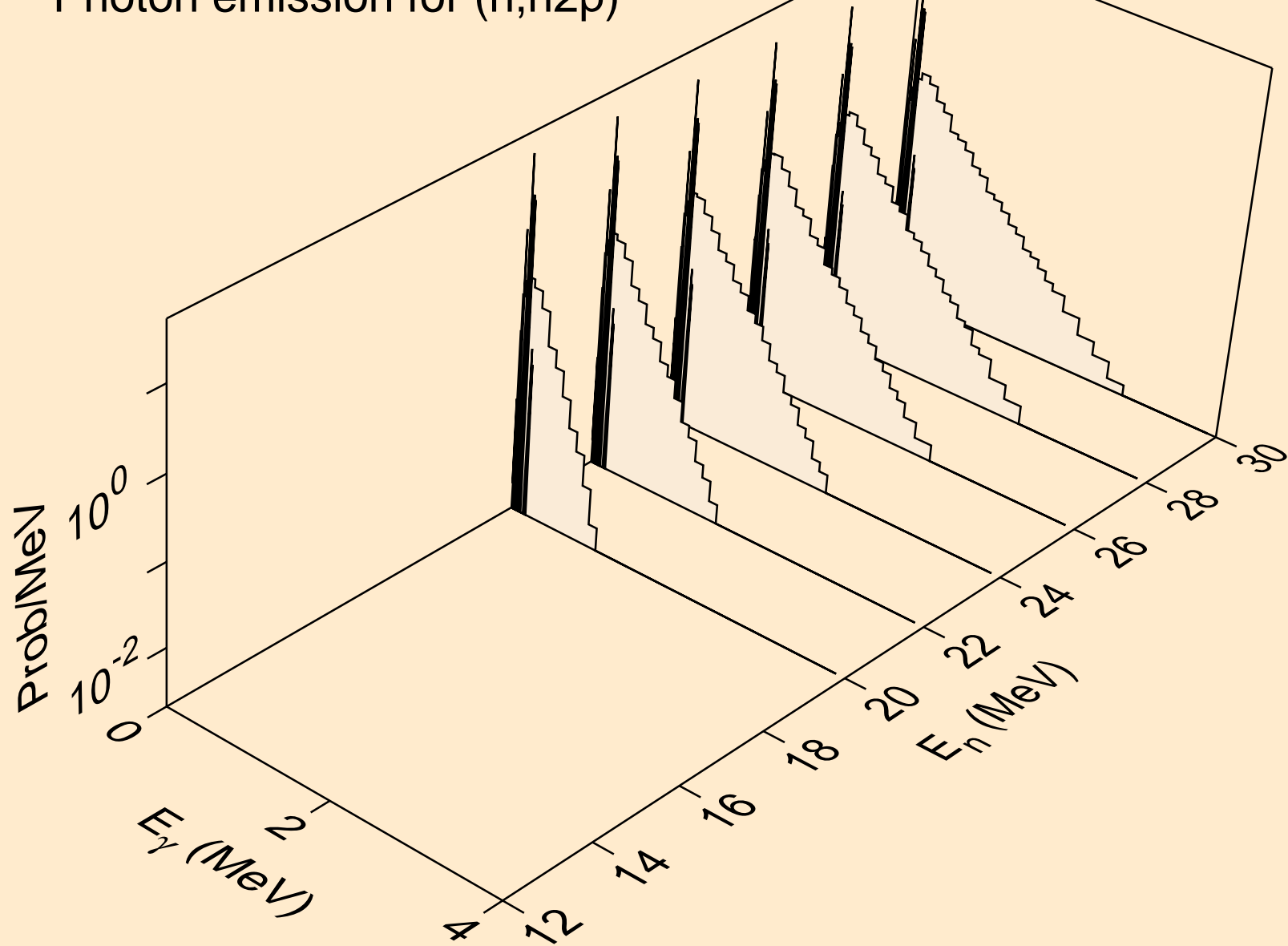
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



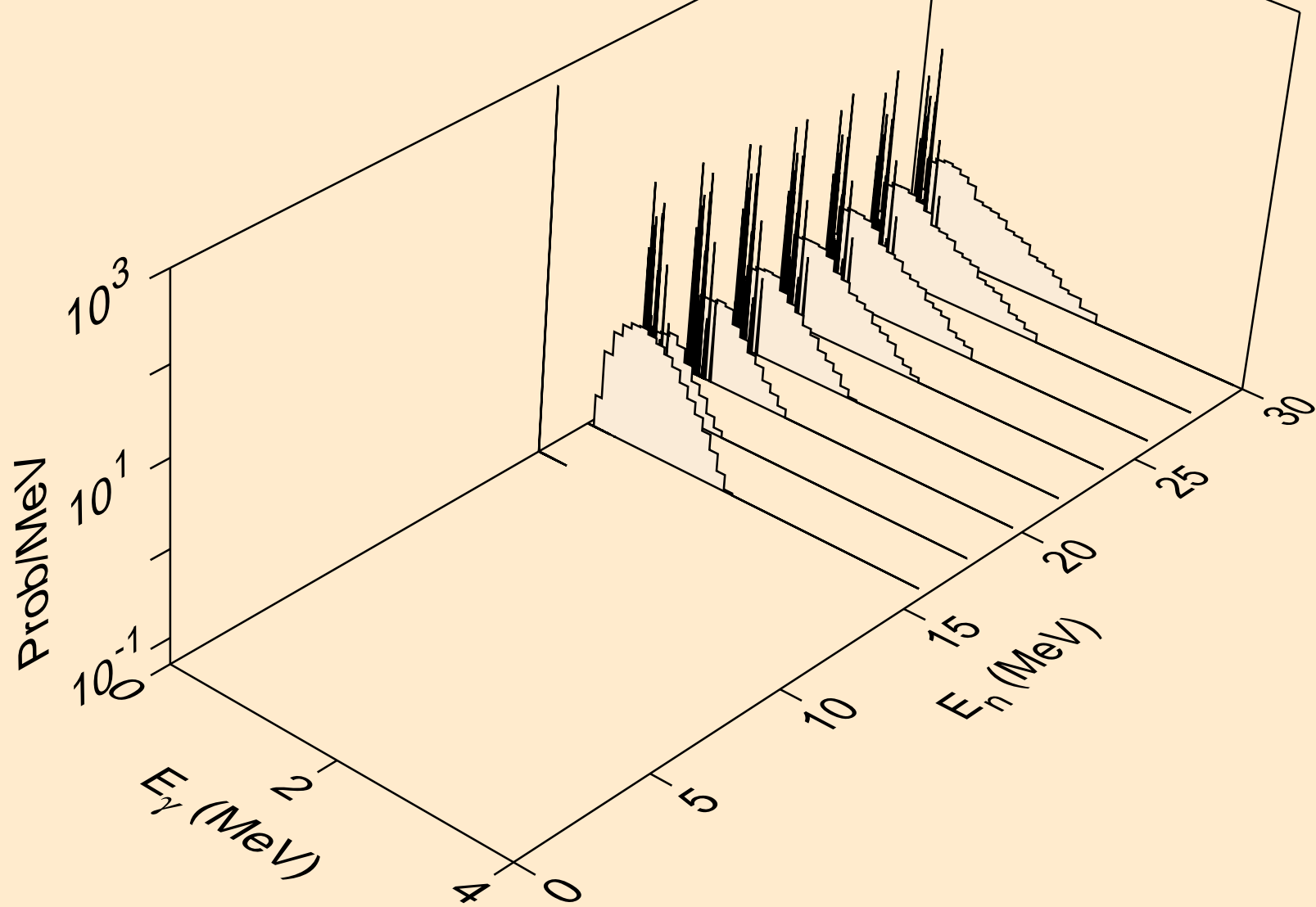
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)



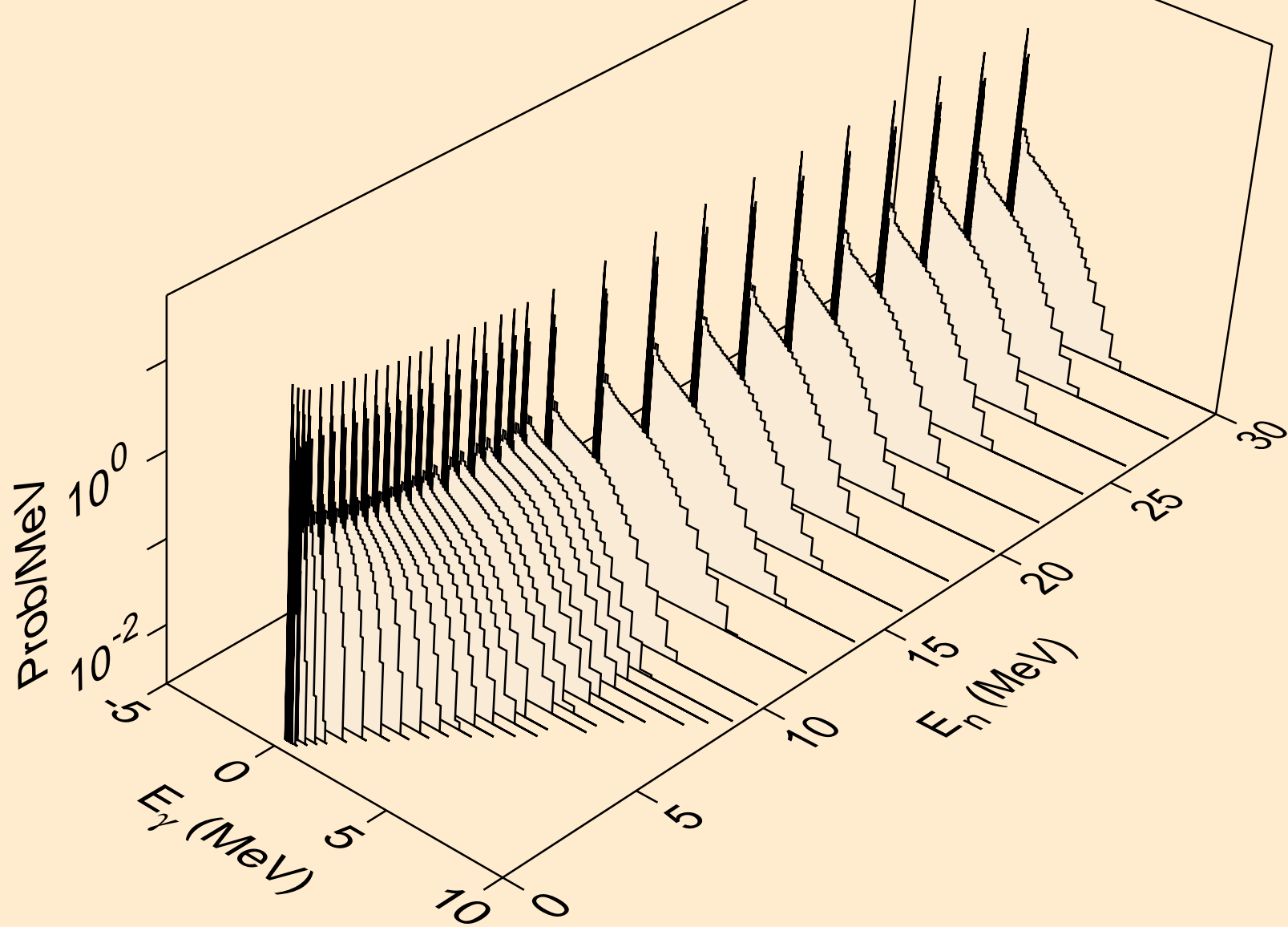
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)

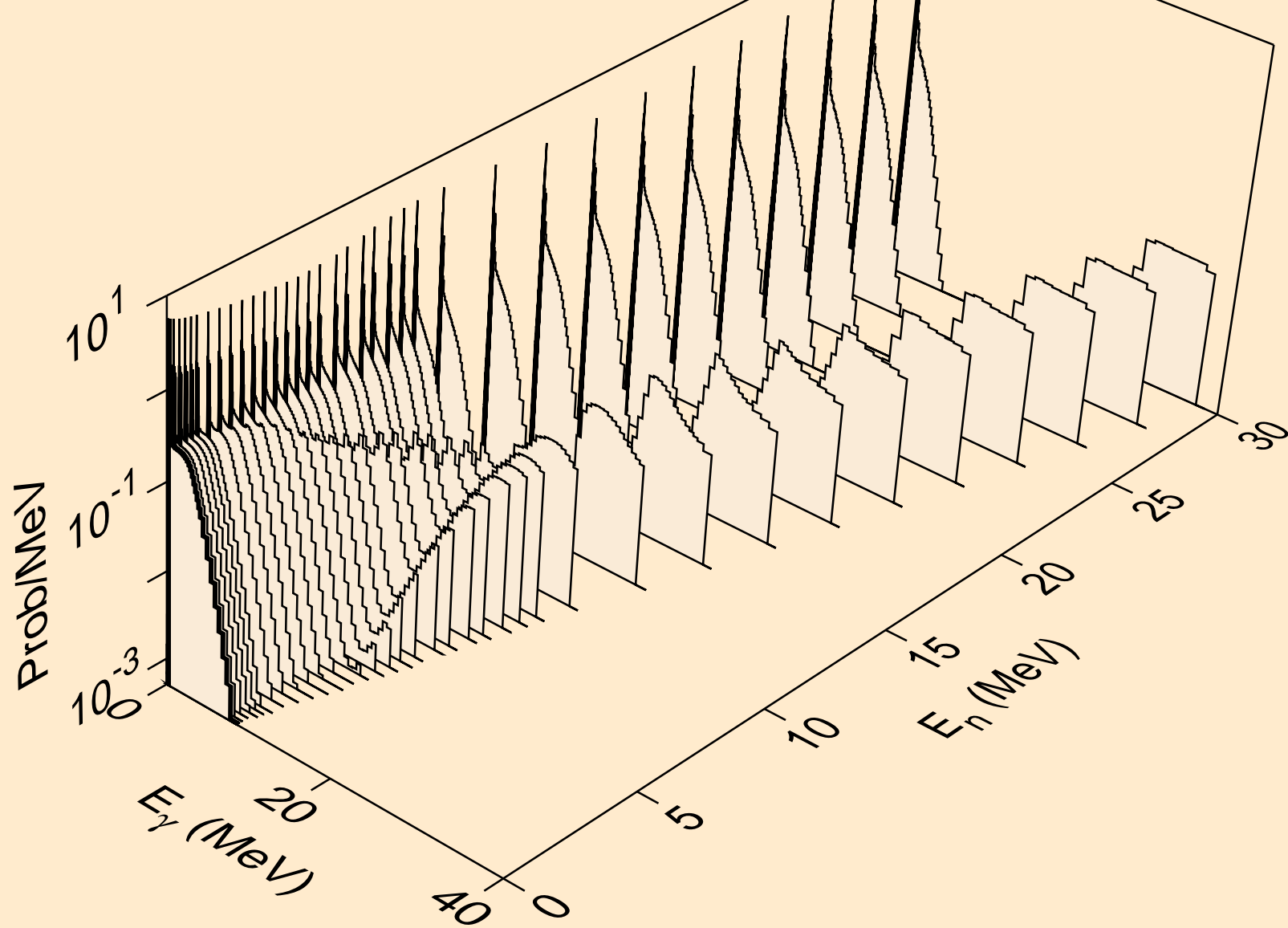


IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)

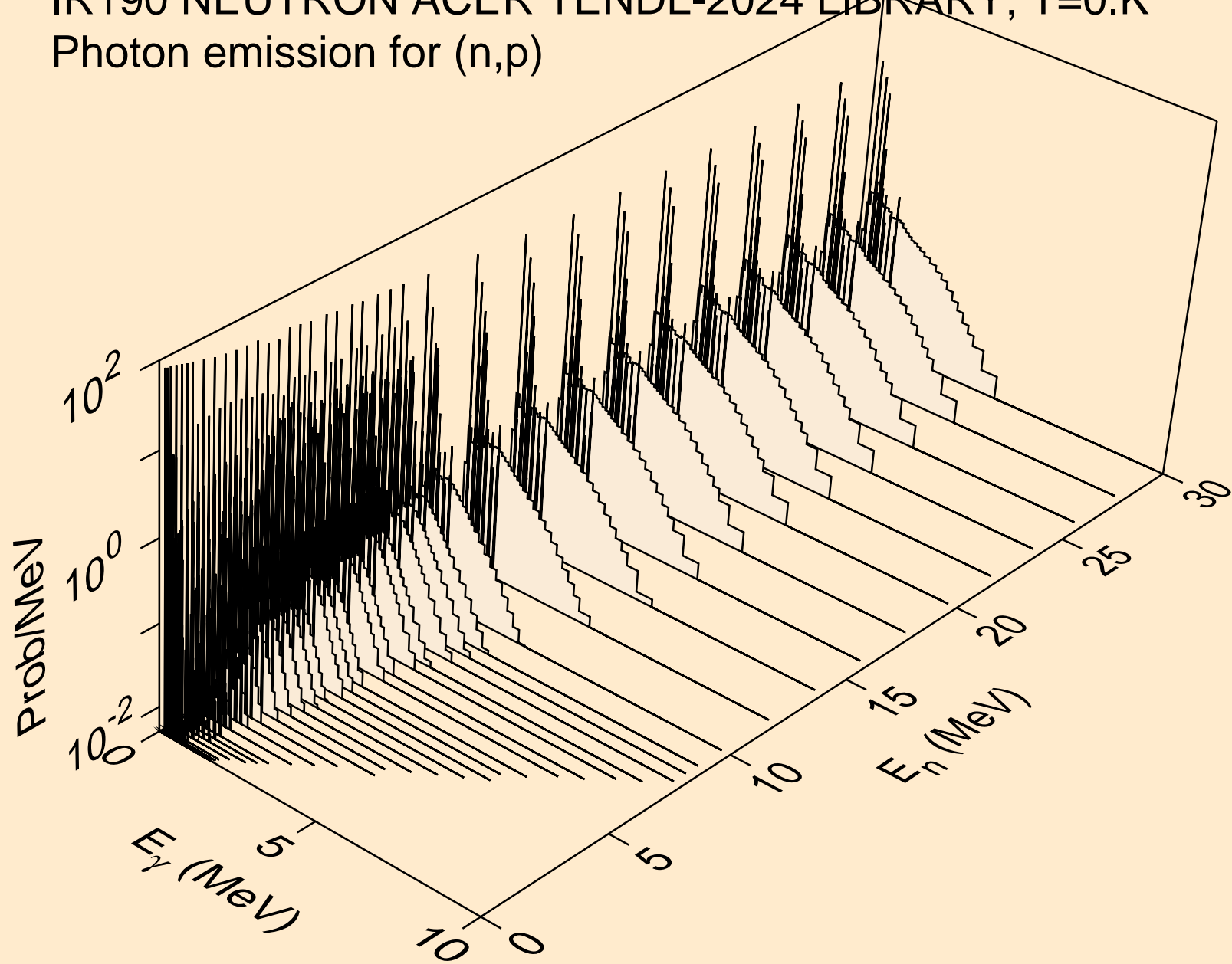




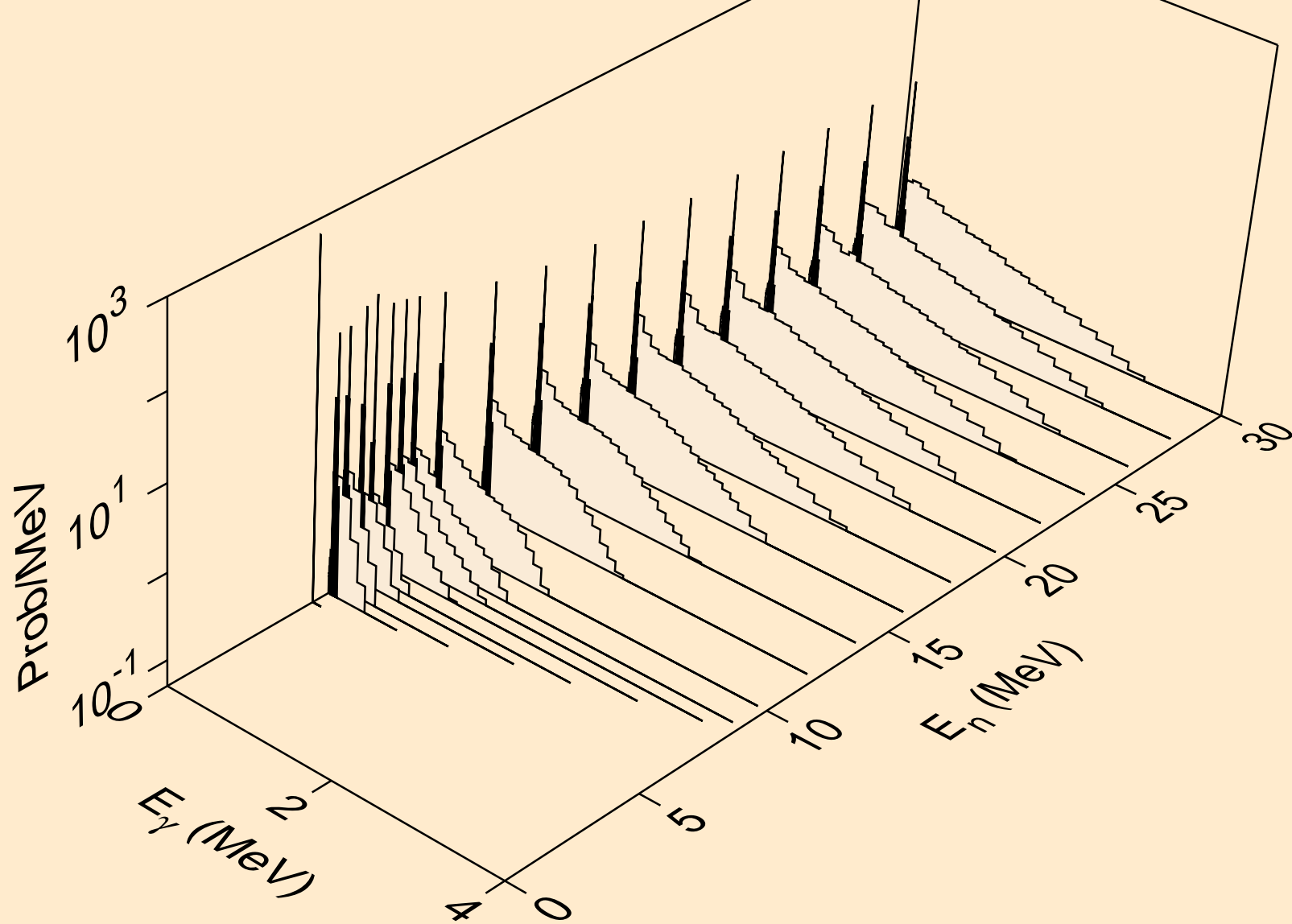
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



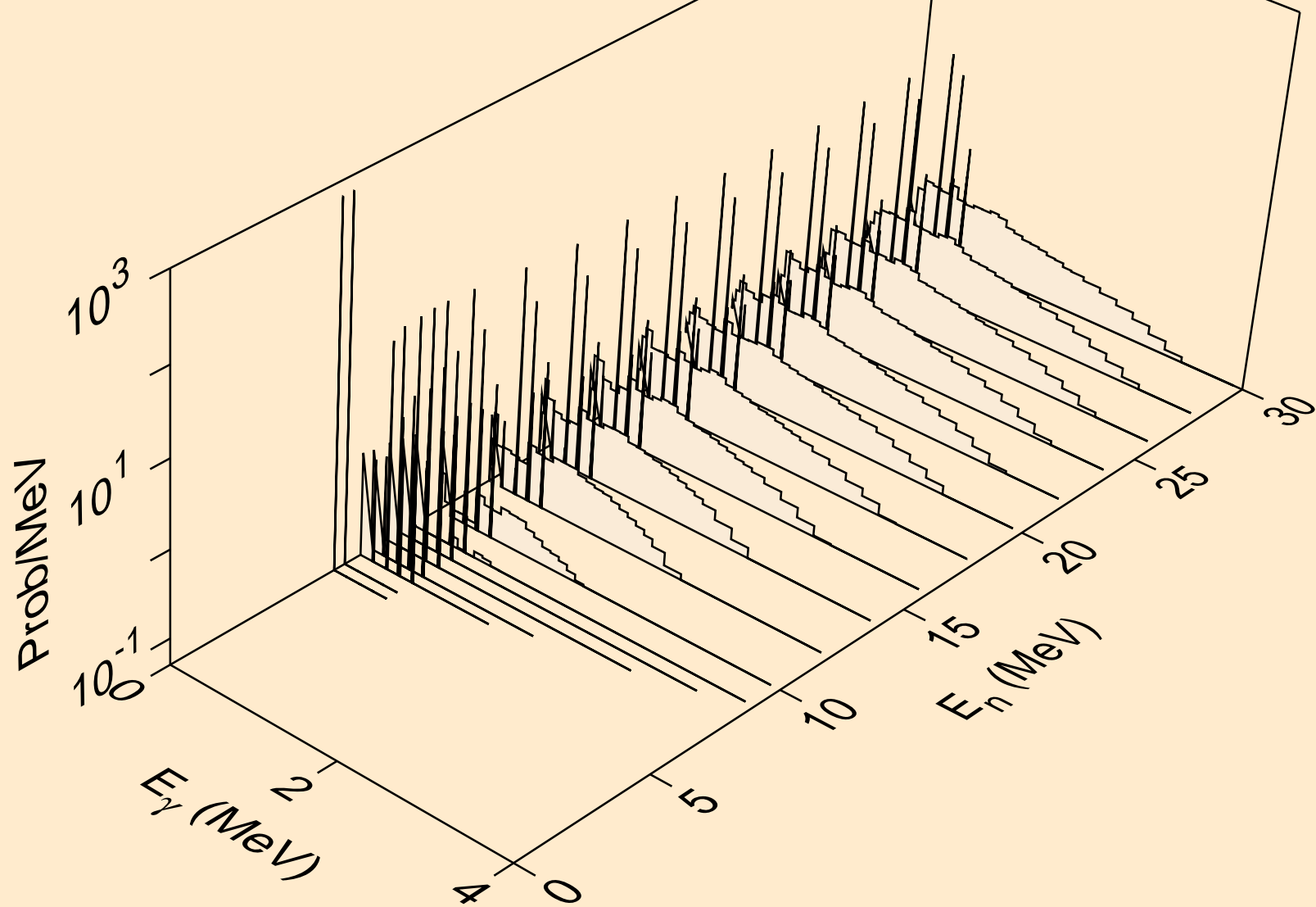
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



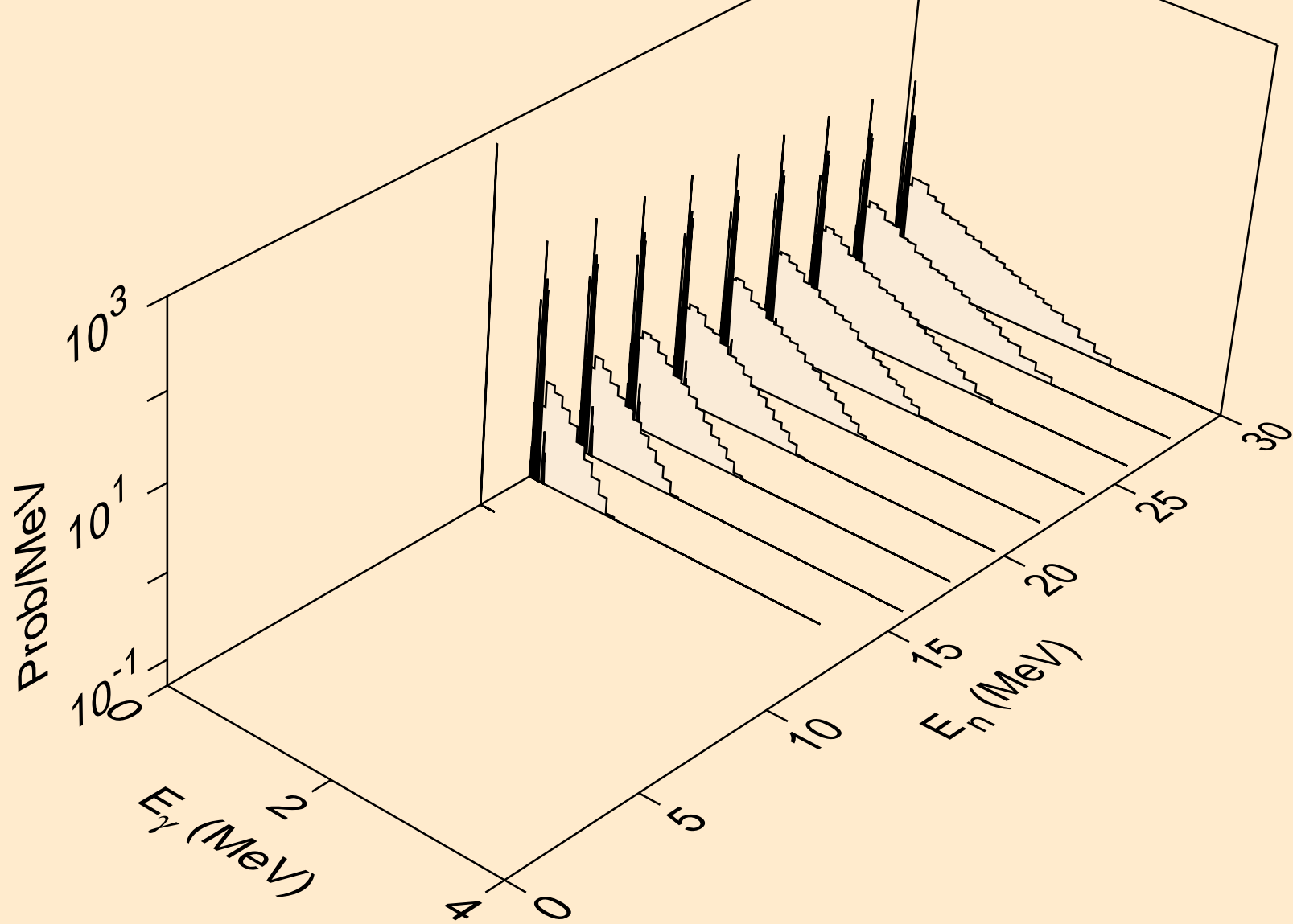
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



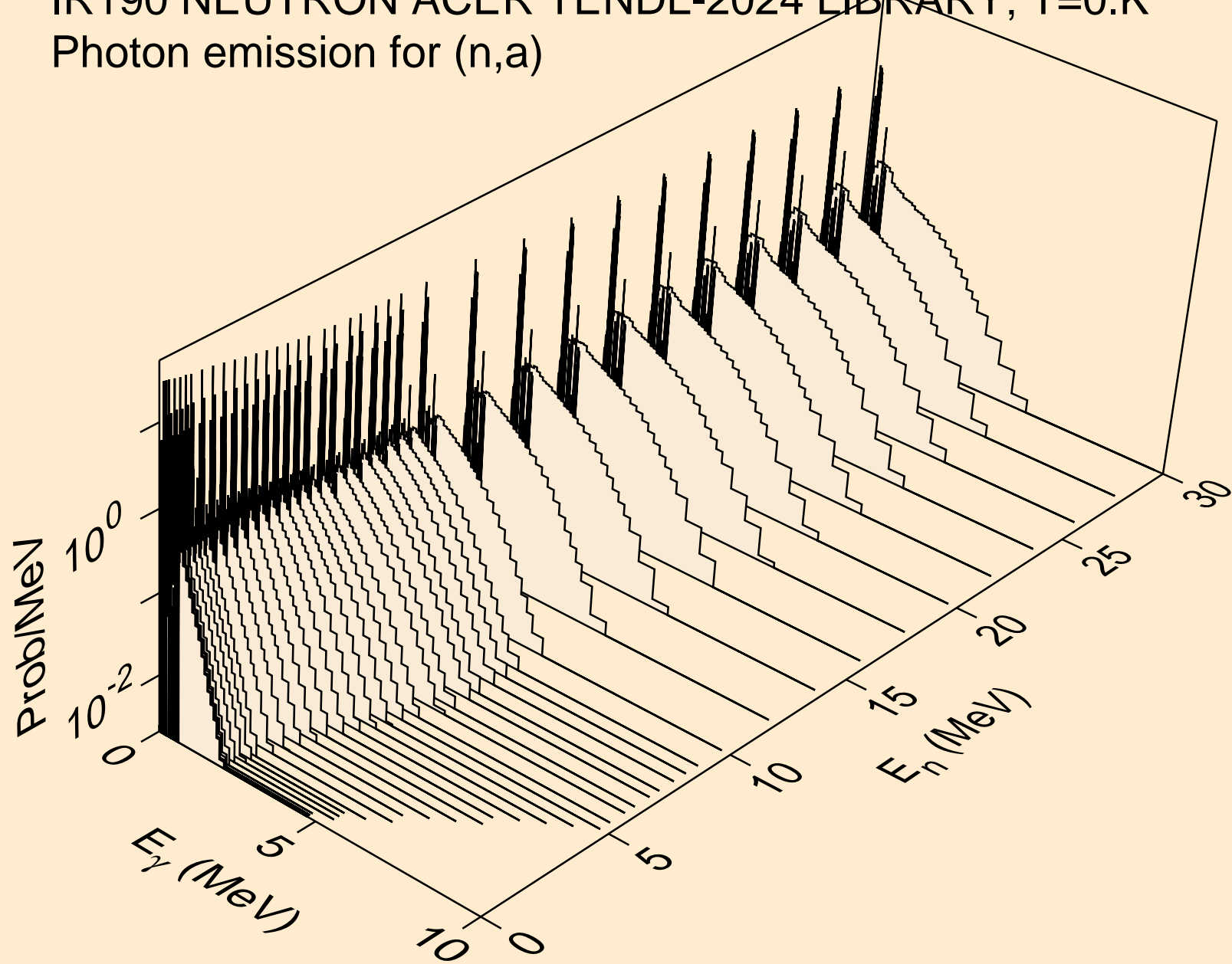
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



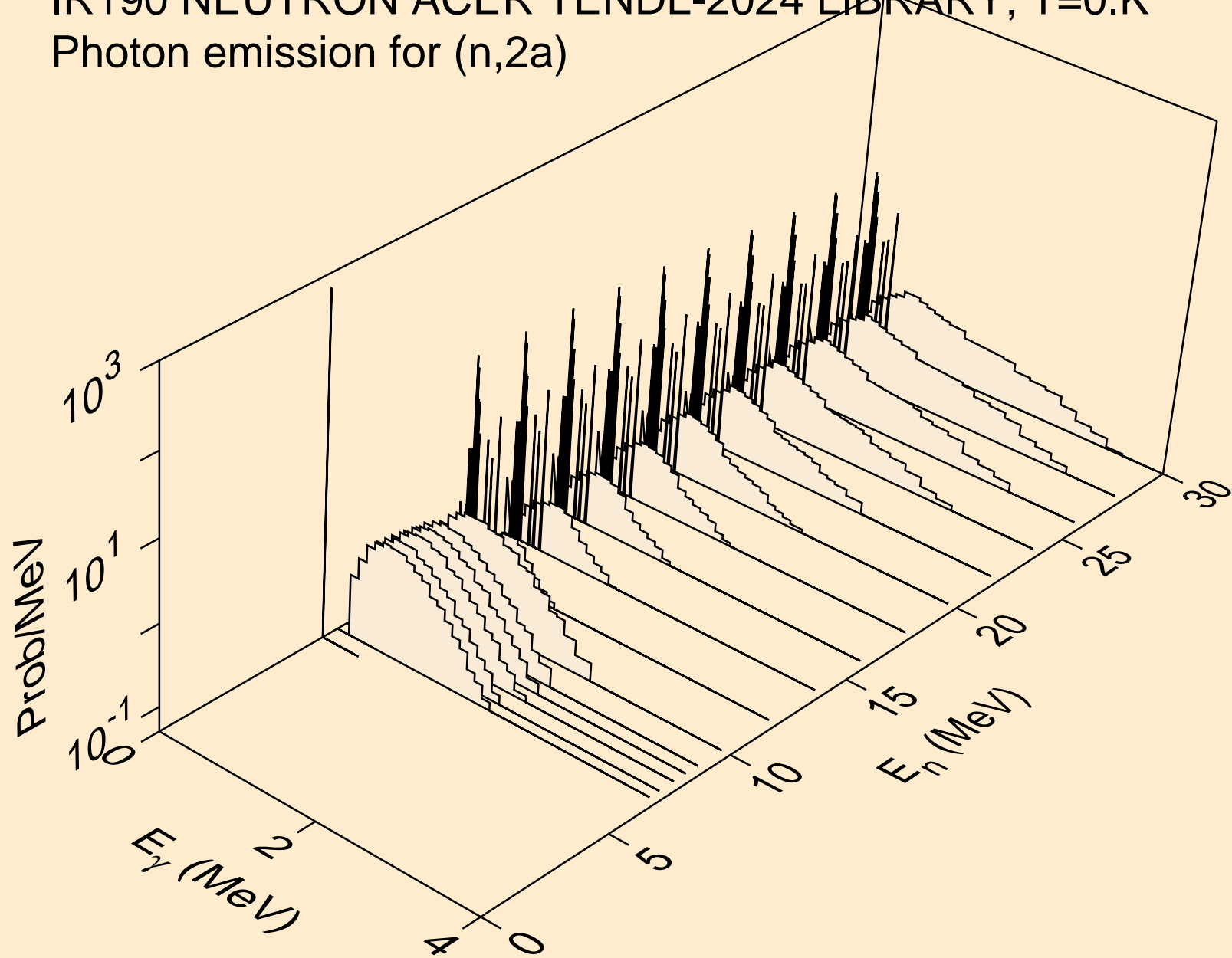
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



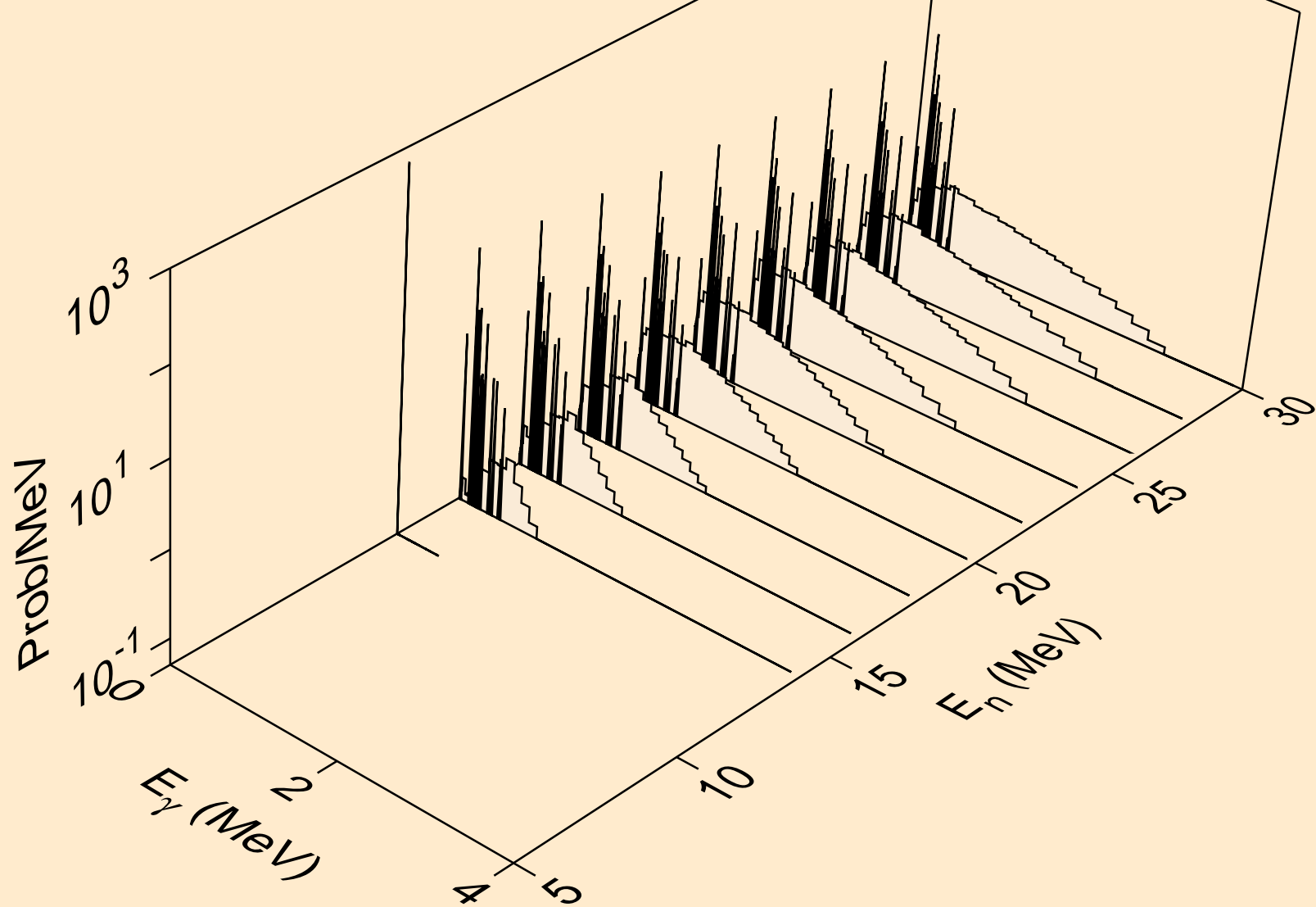
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)

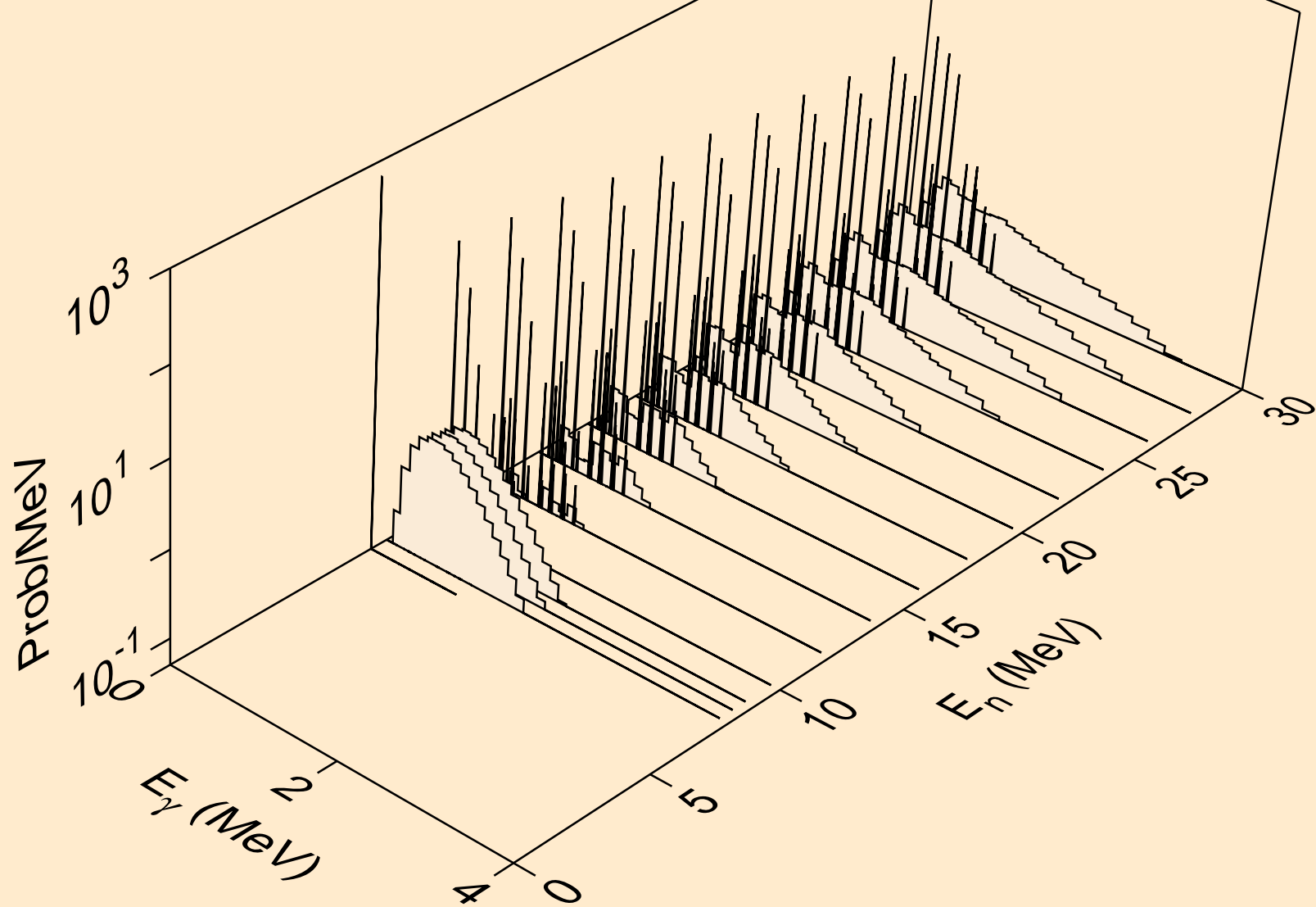


IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)

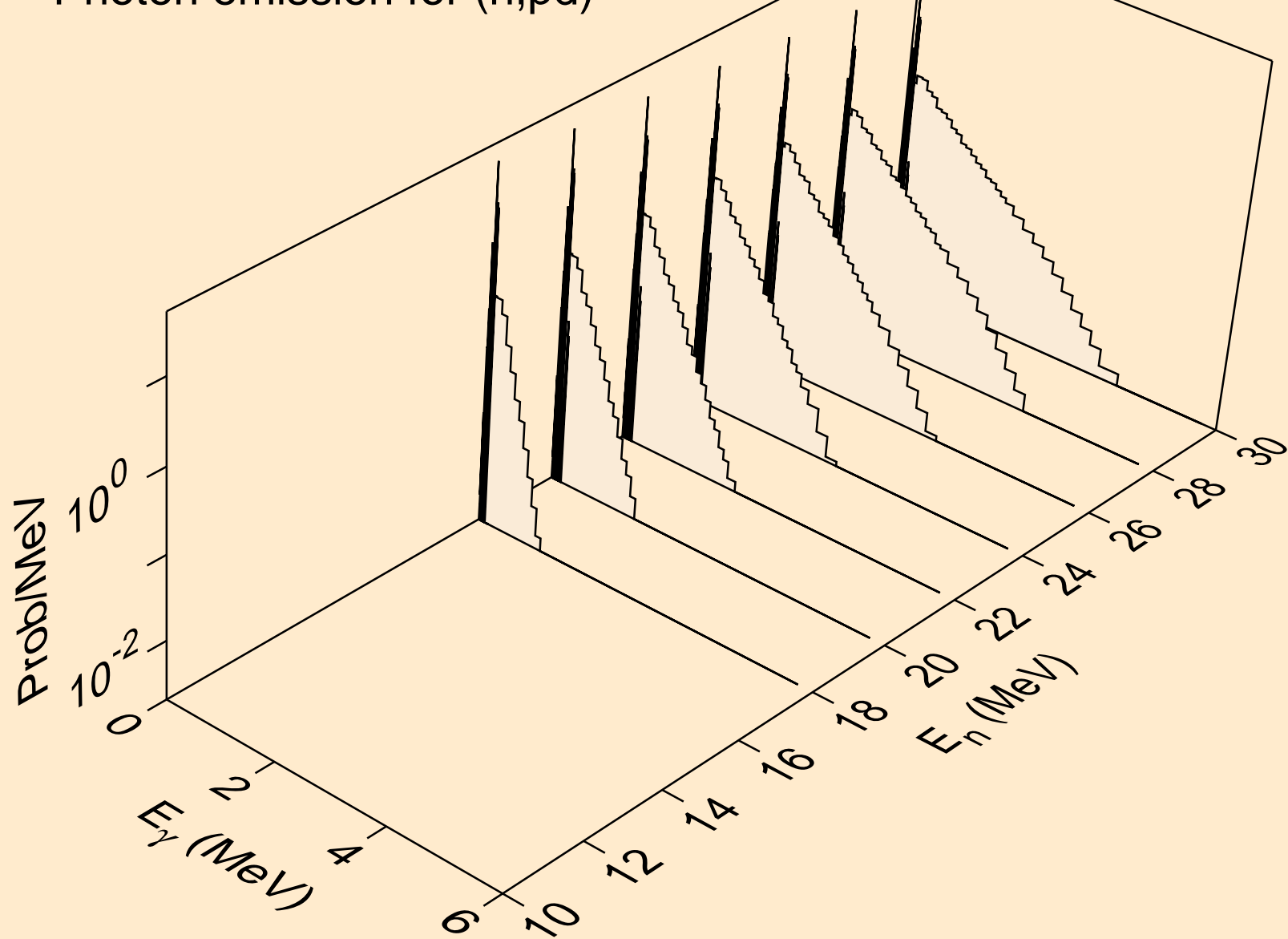




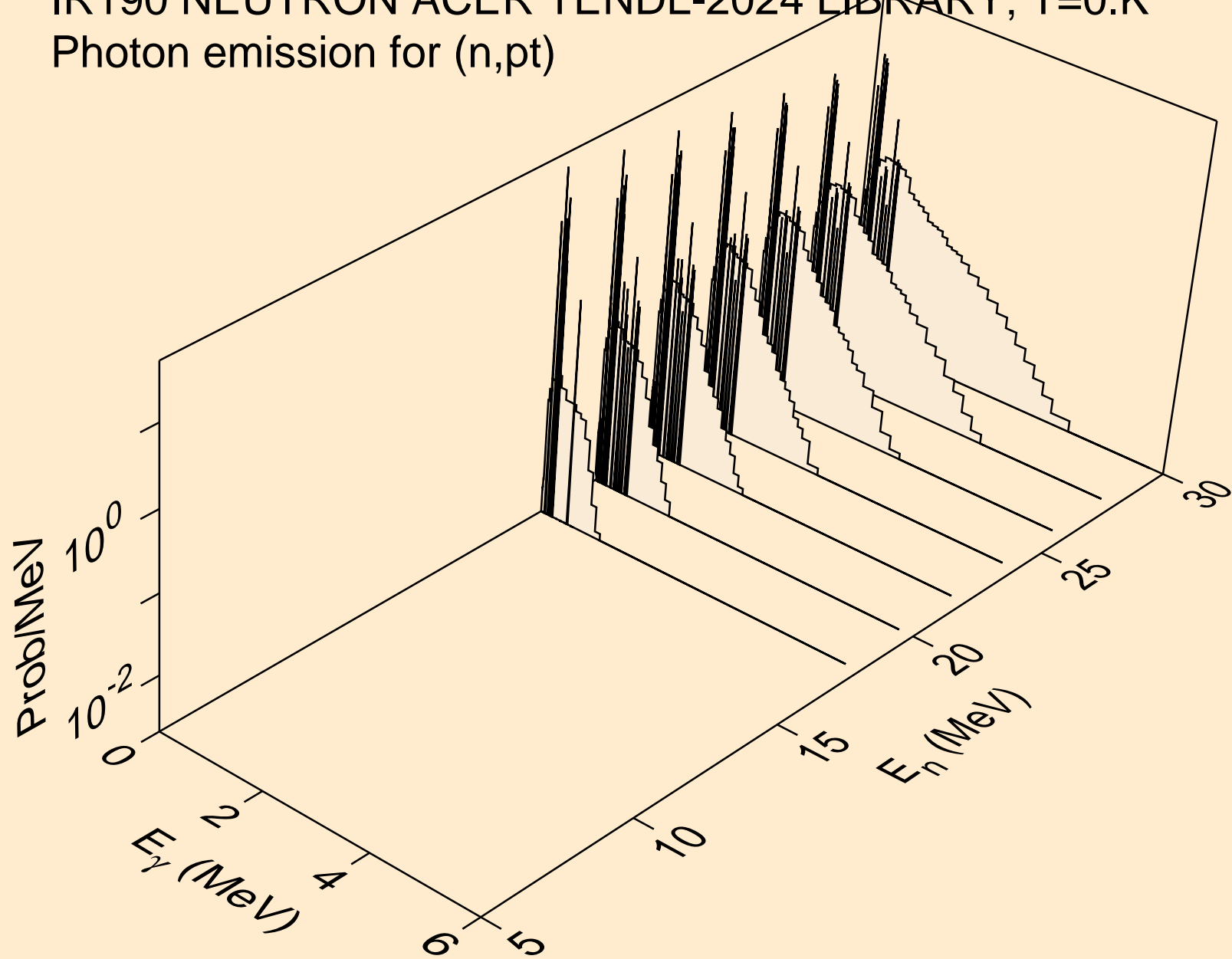
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



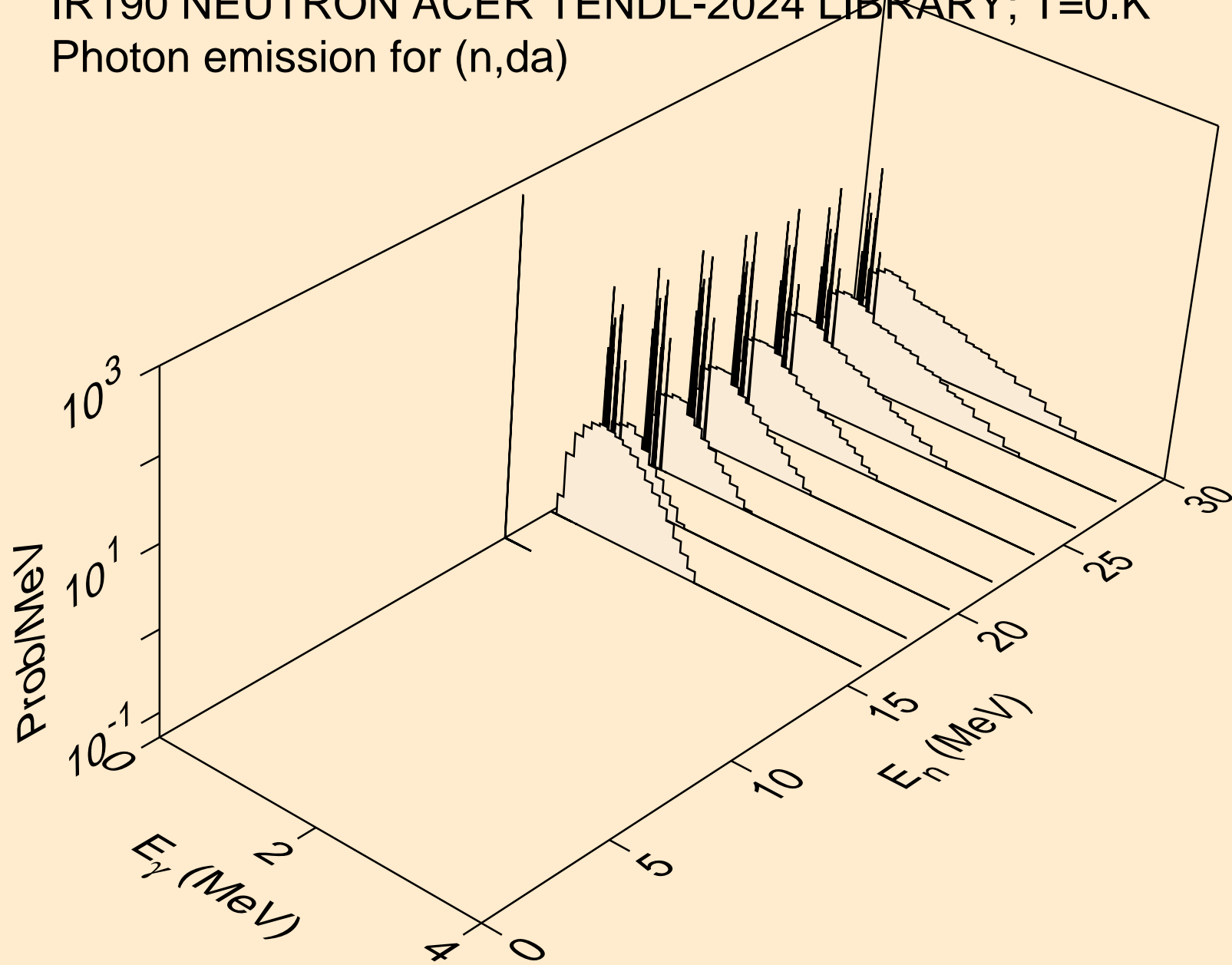
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



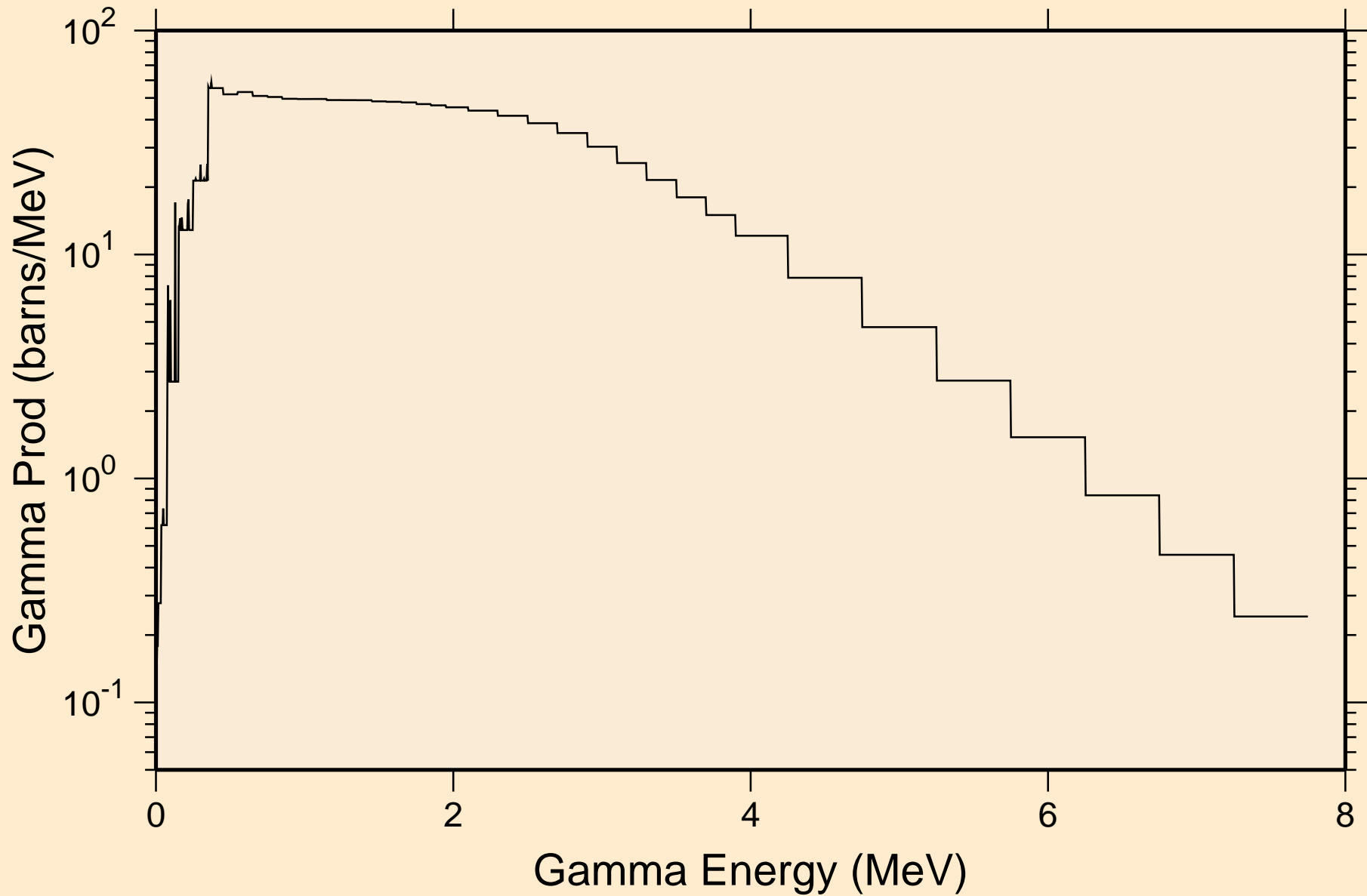
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)



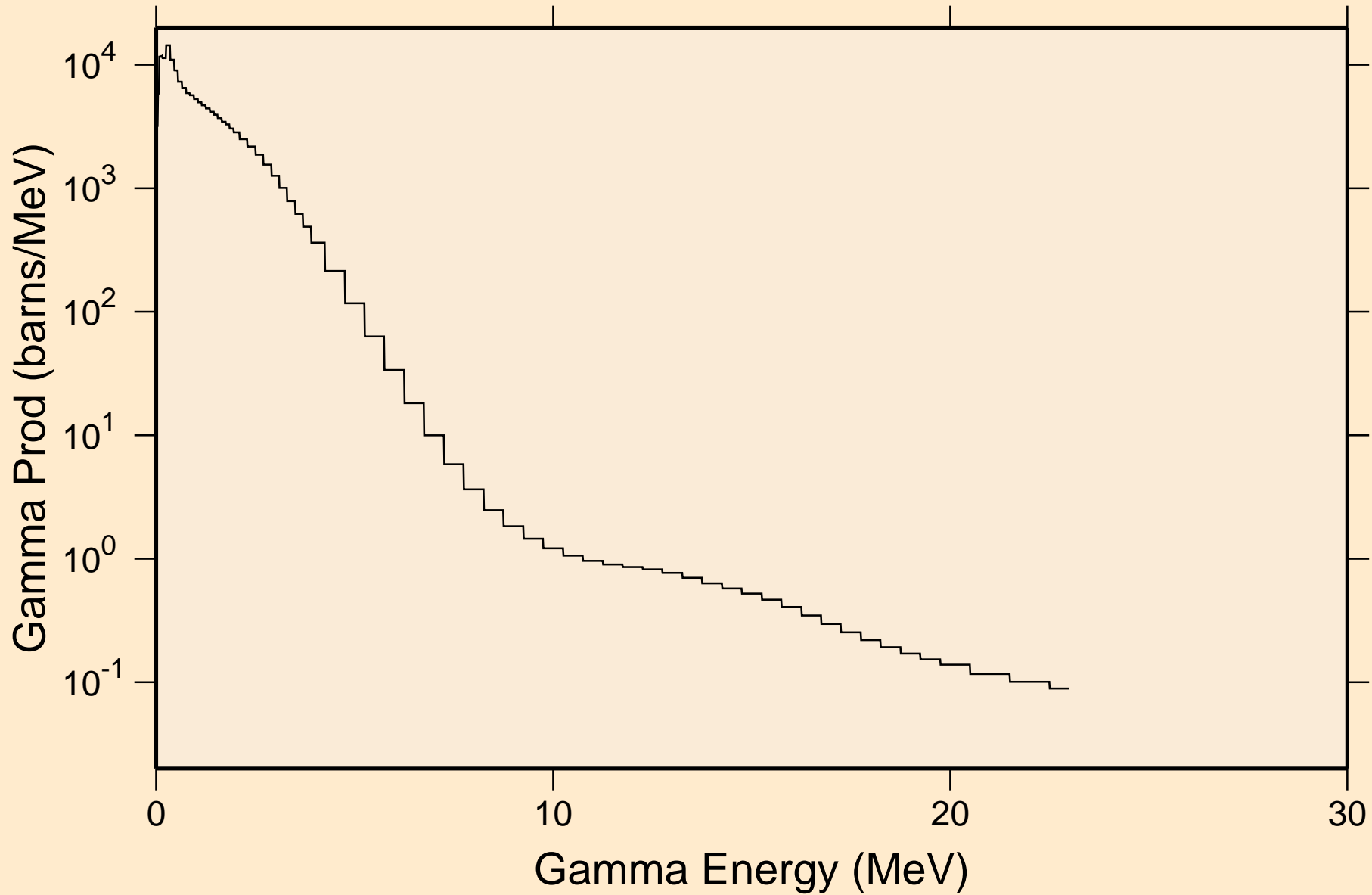
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

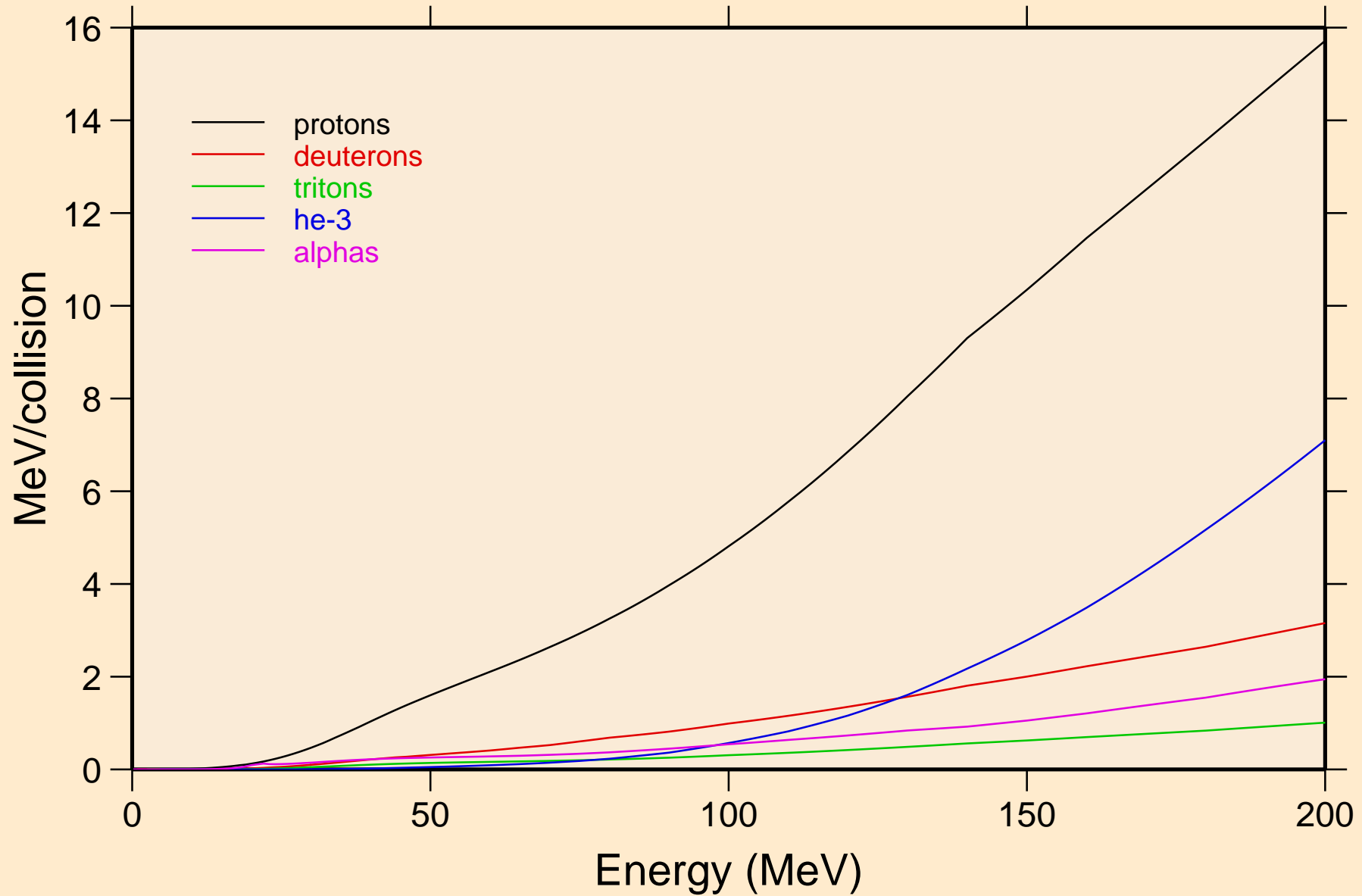


IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum

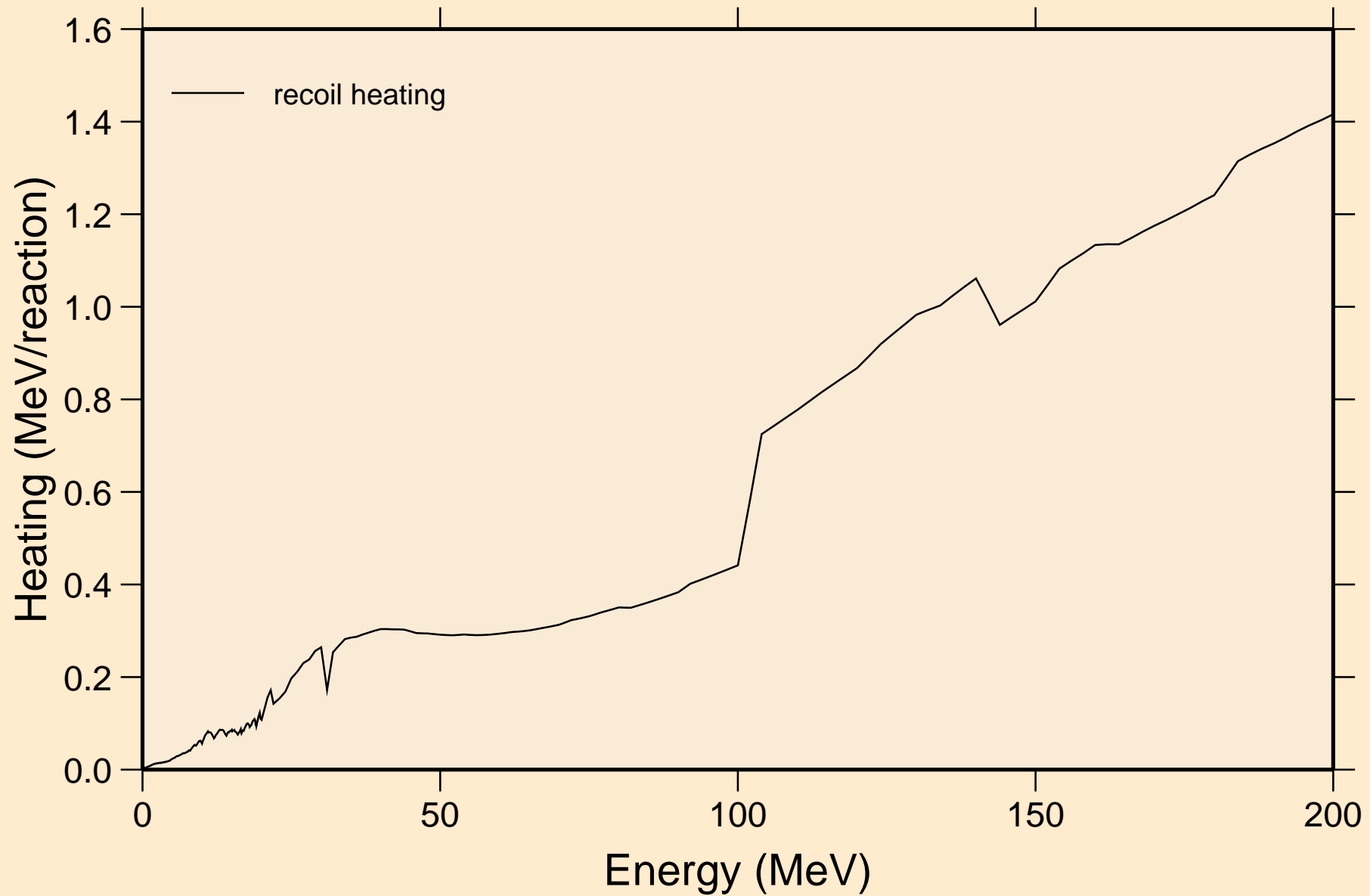


# IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions

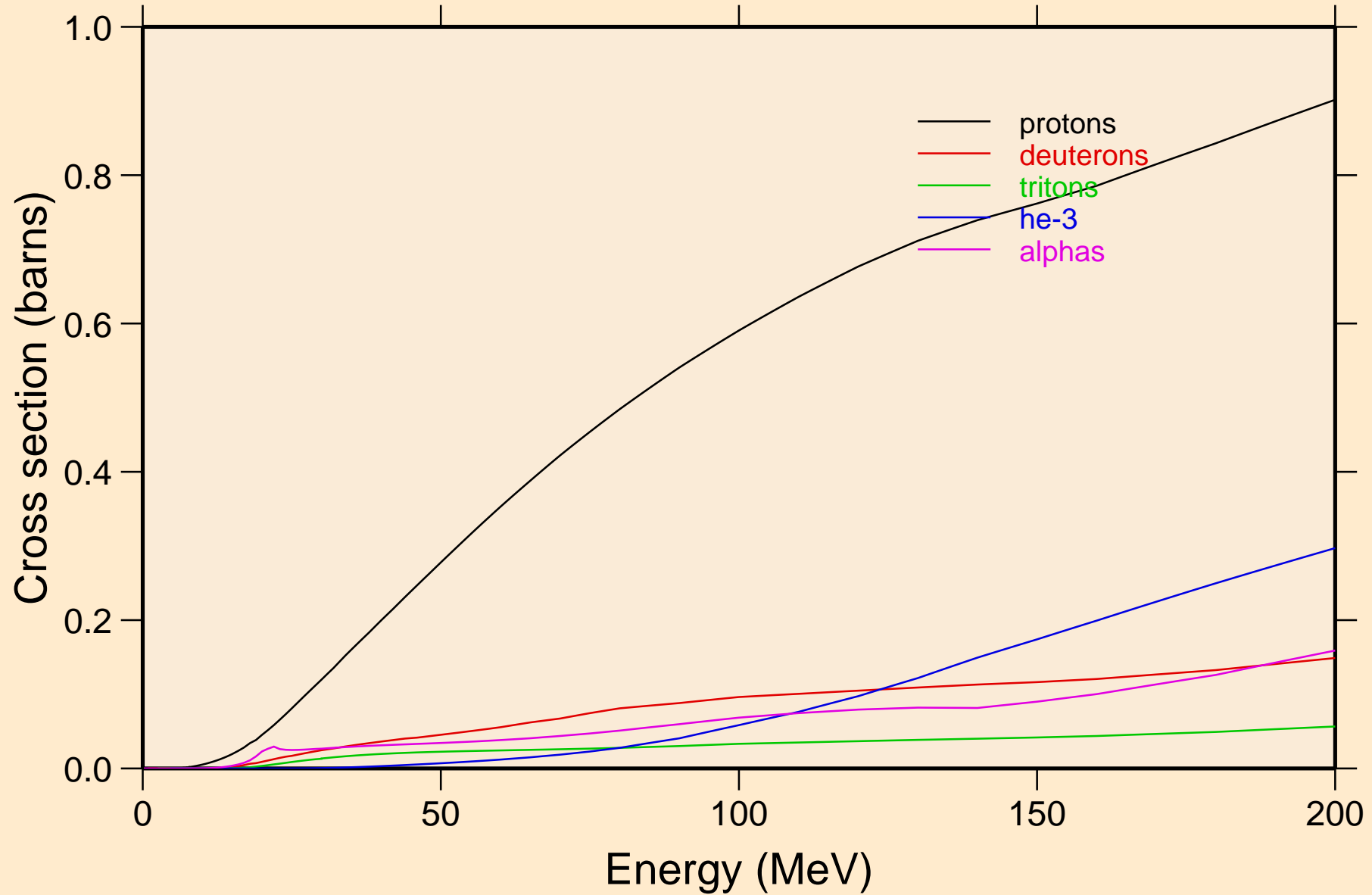


IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating

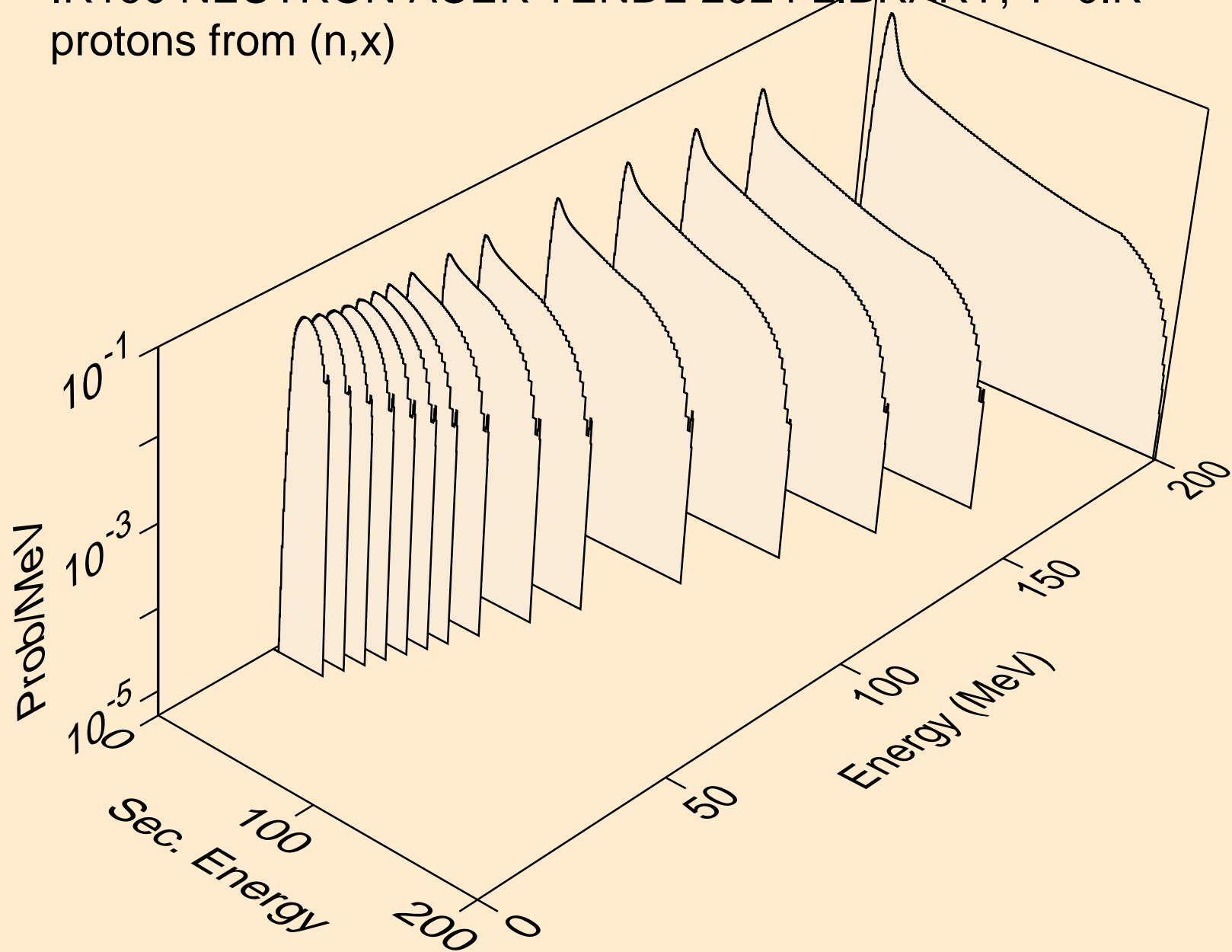




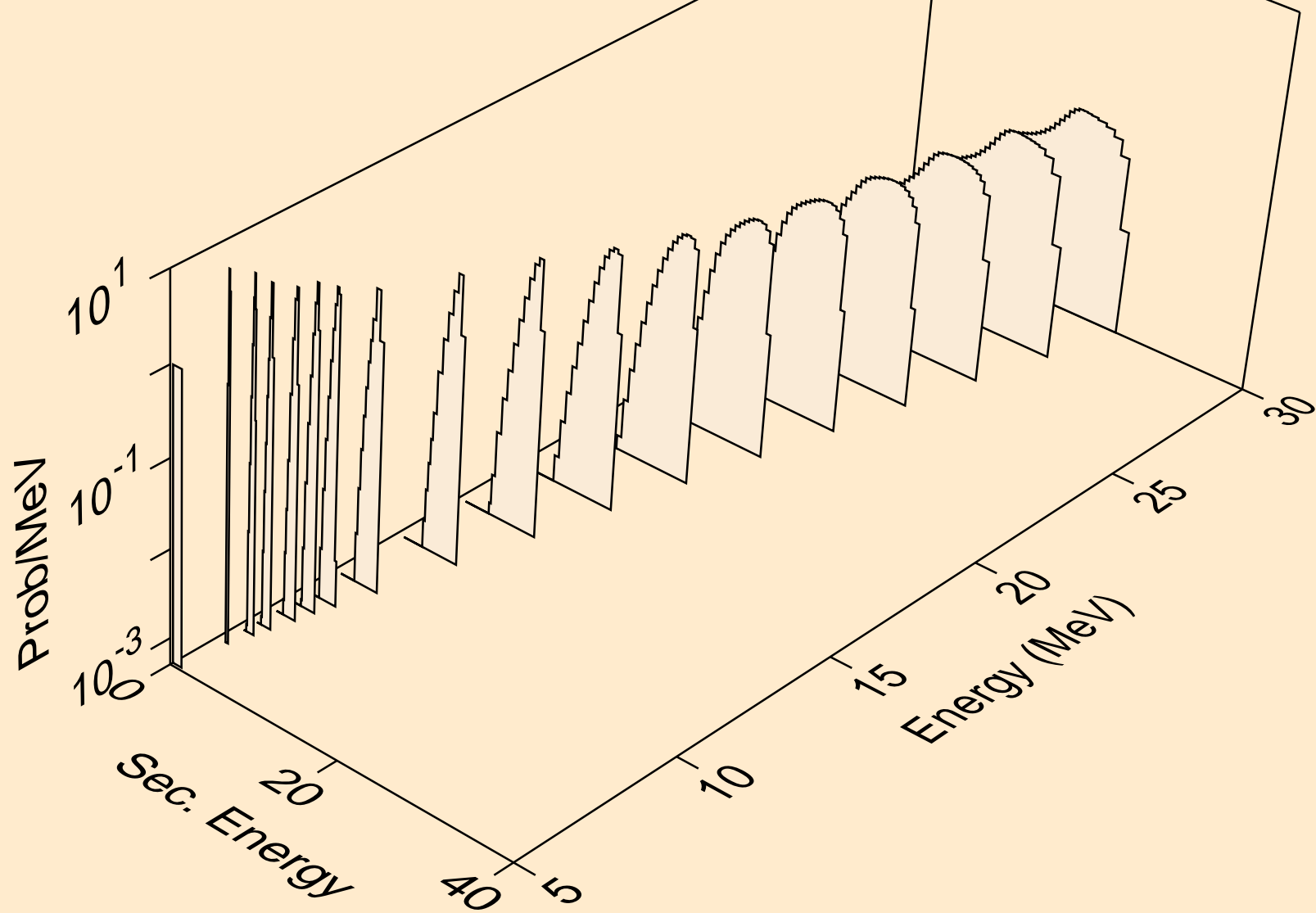
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Particle production cross sections



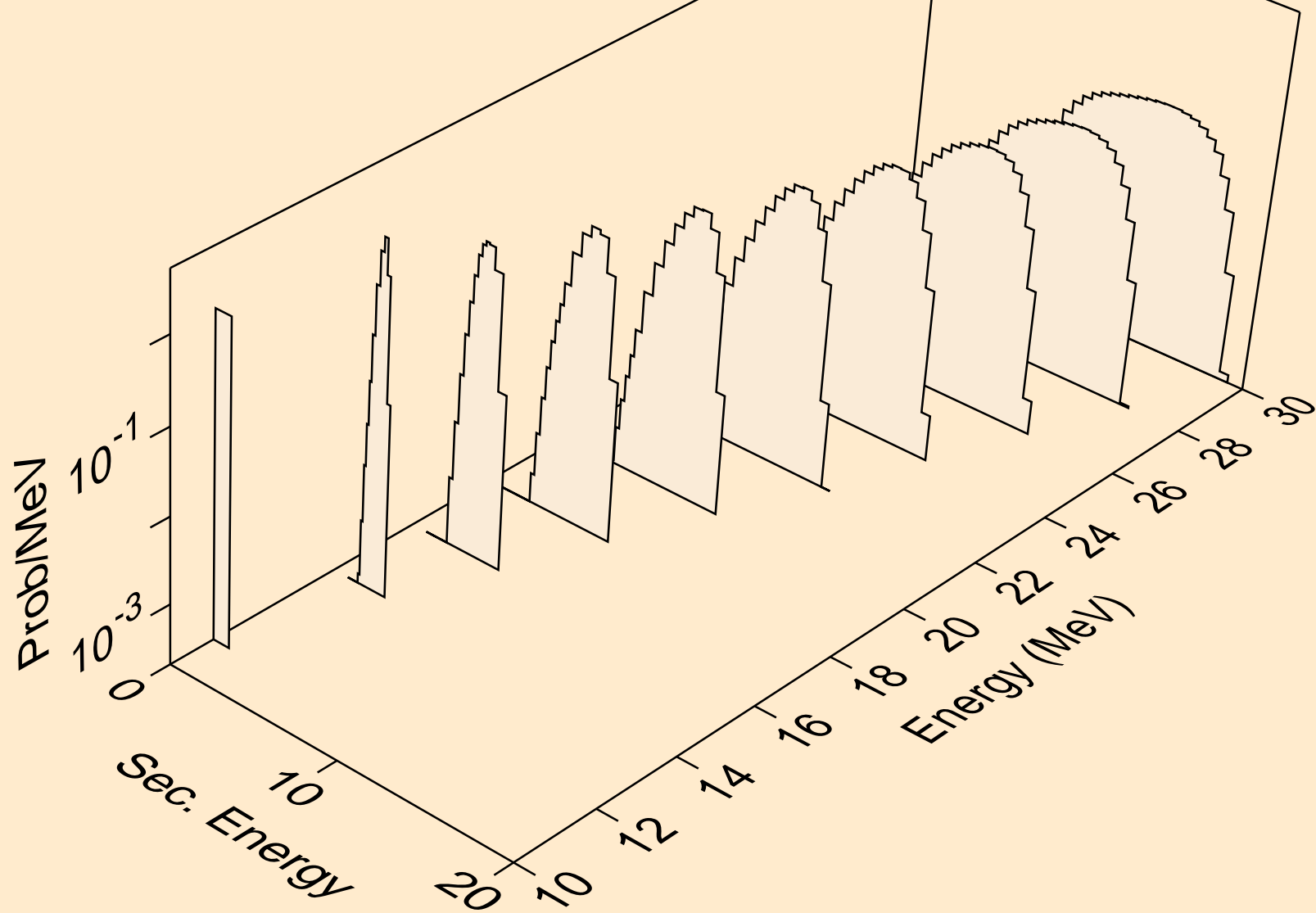
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



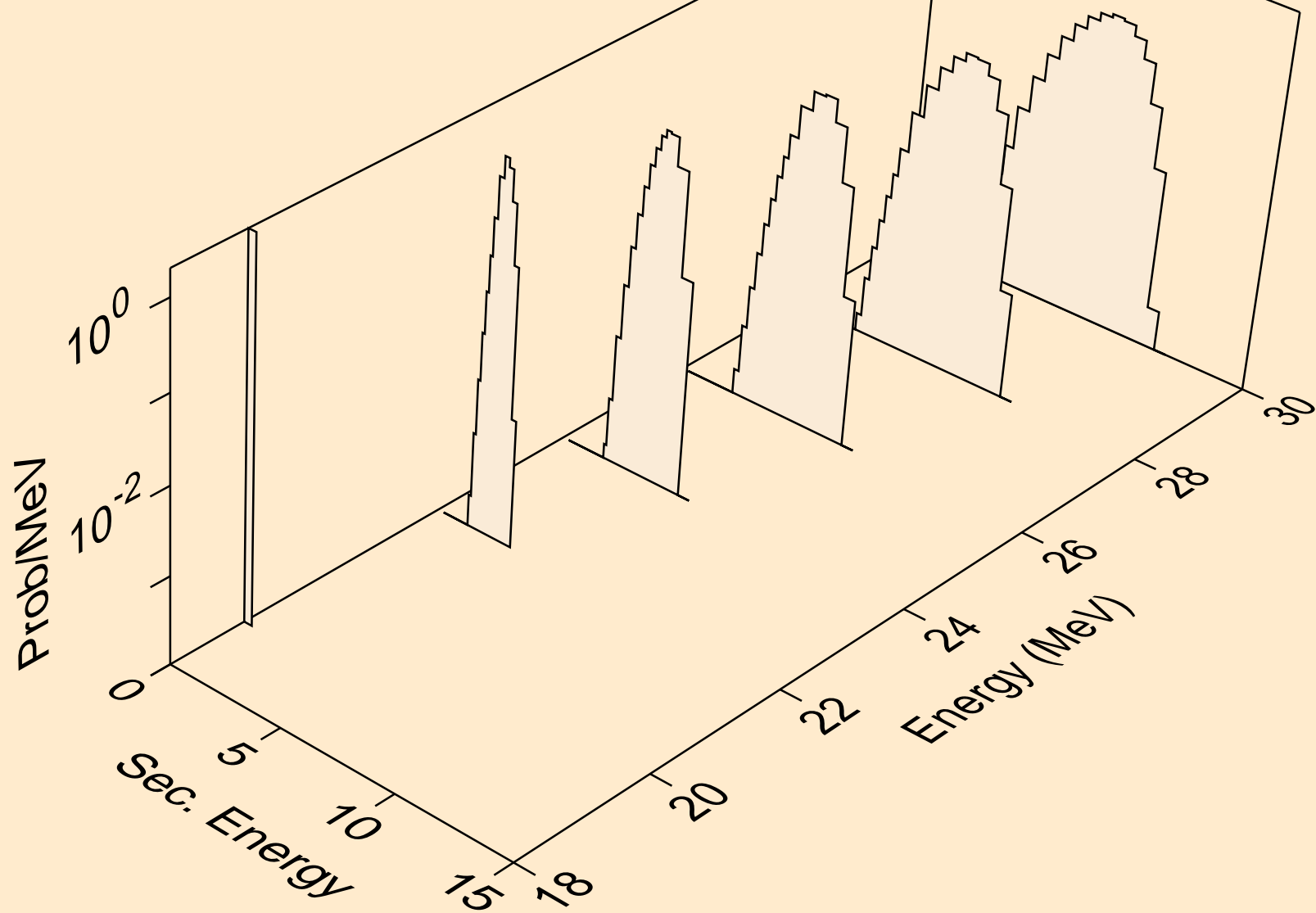
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



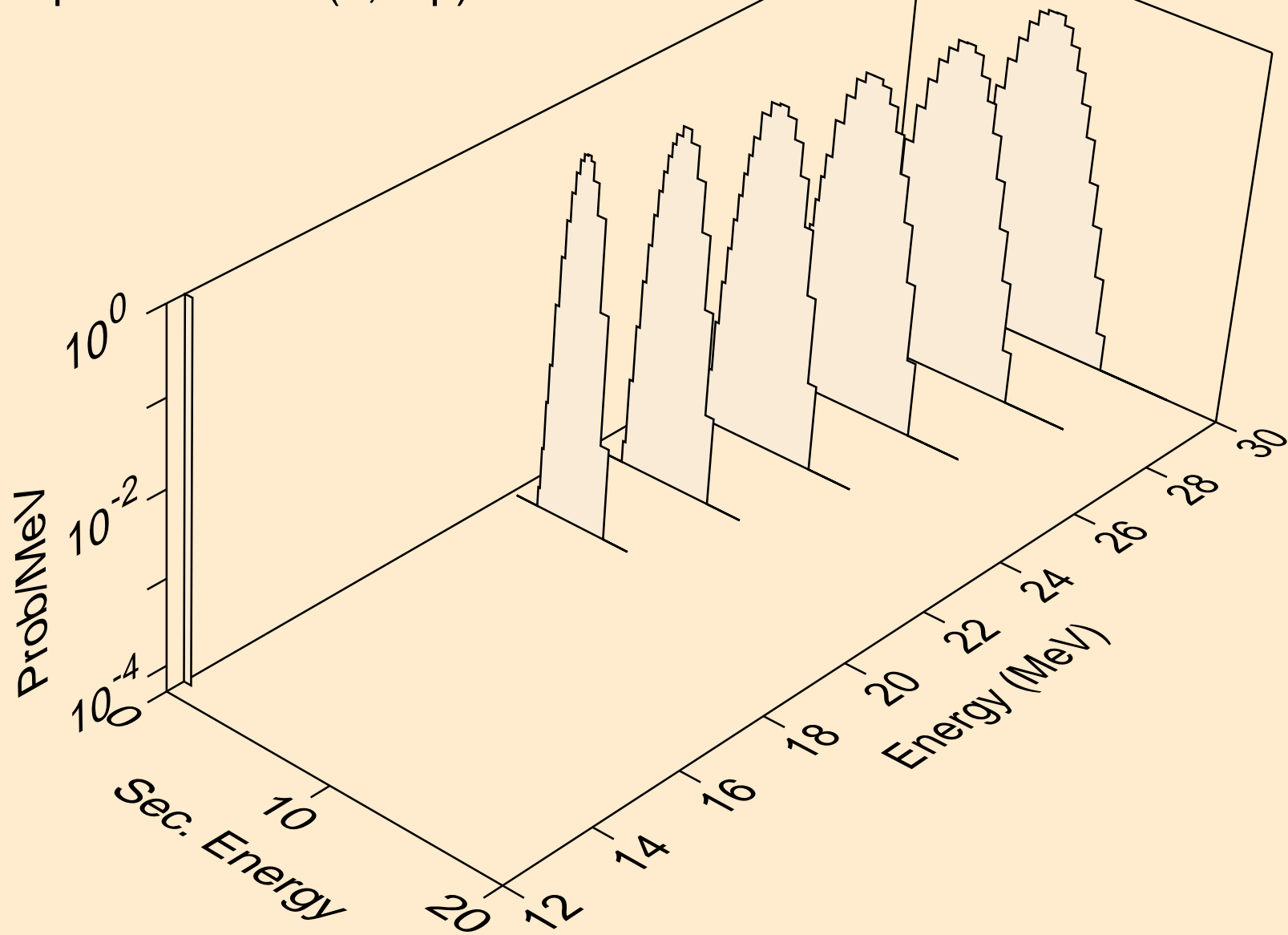
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)



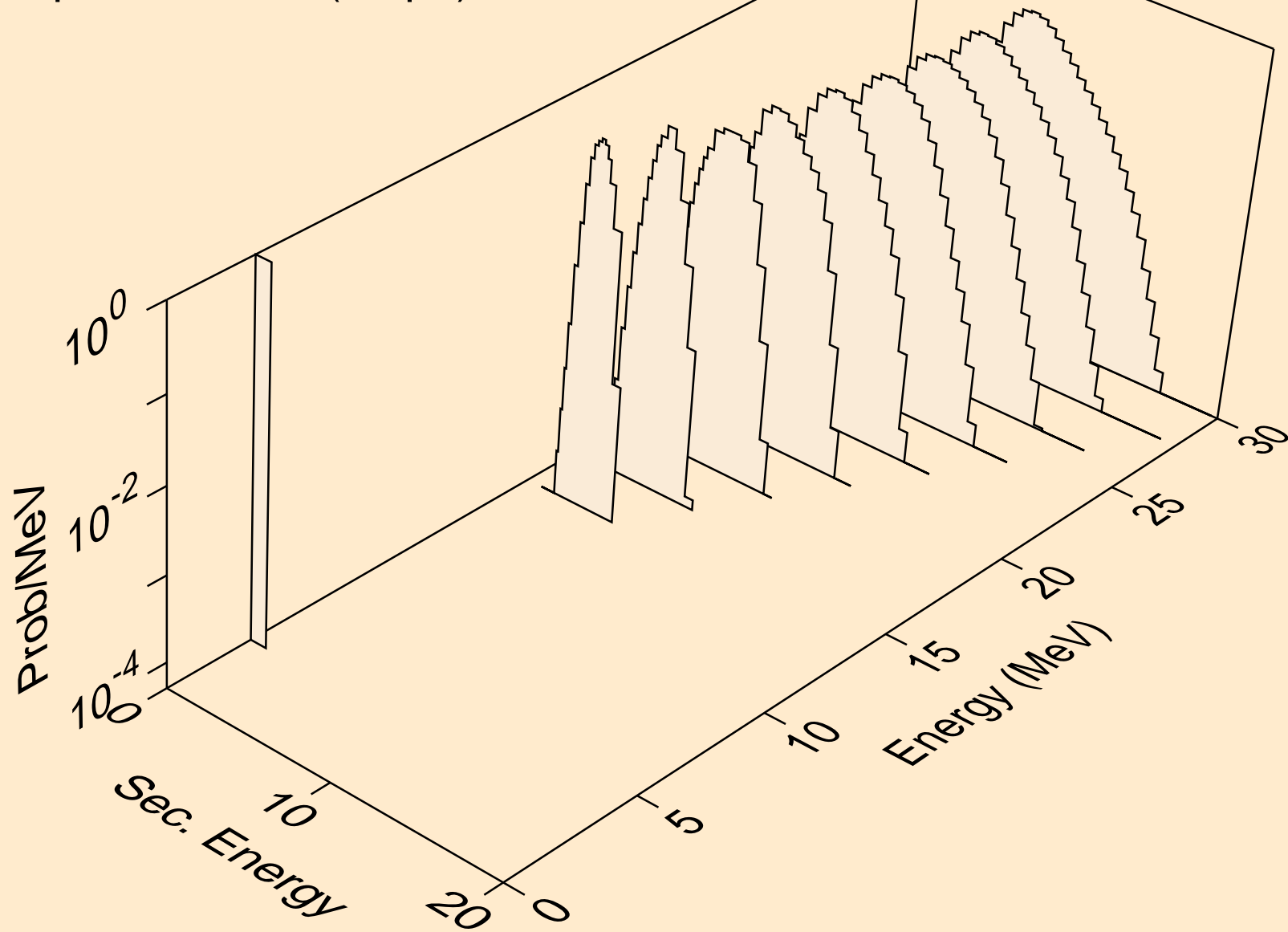
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)



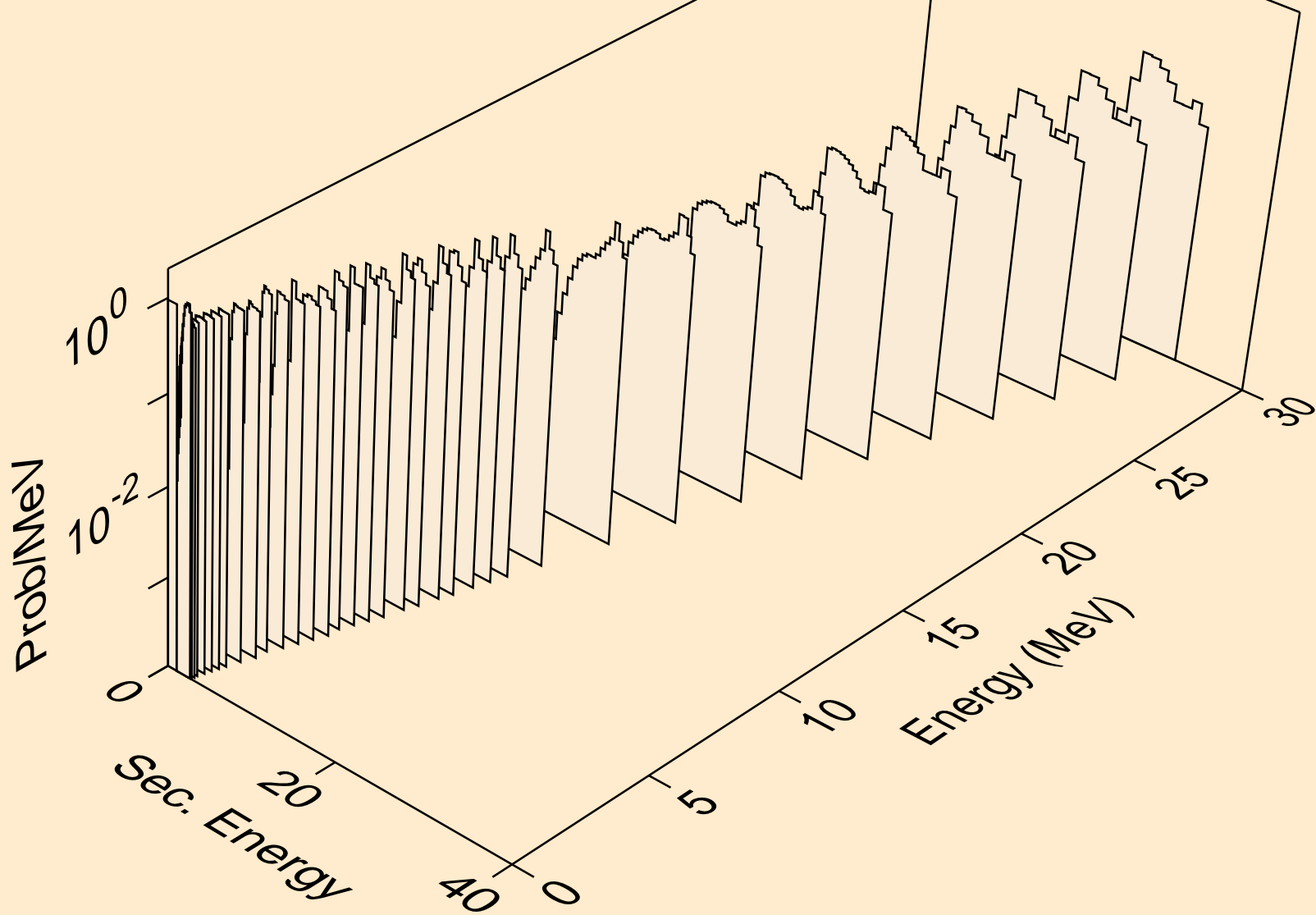
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n2p)



IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,npa)

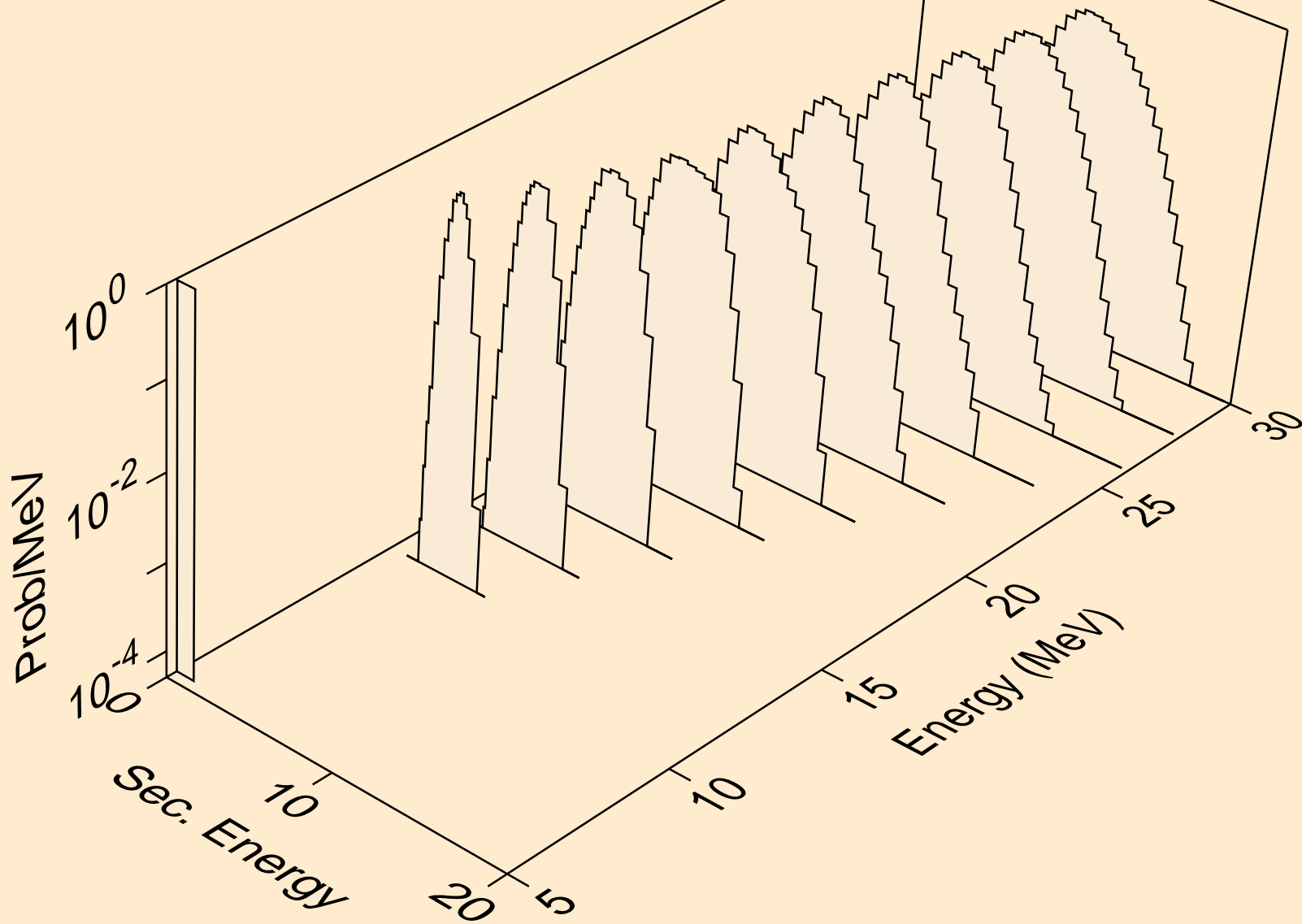


IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)

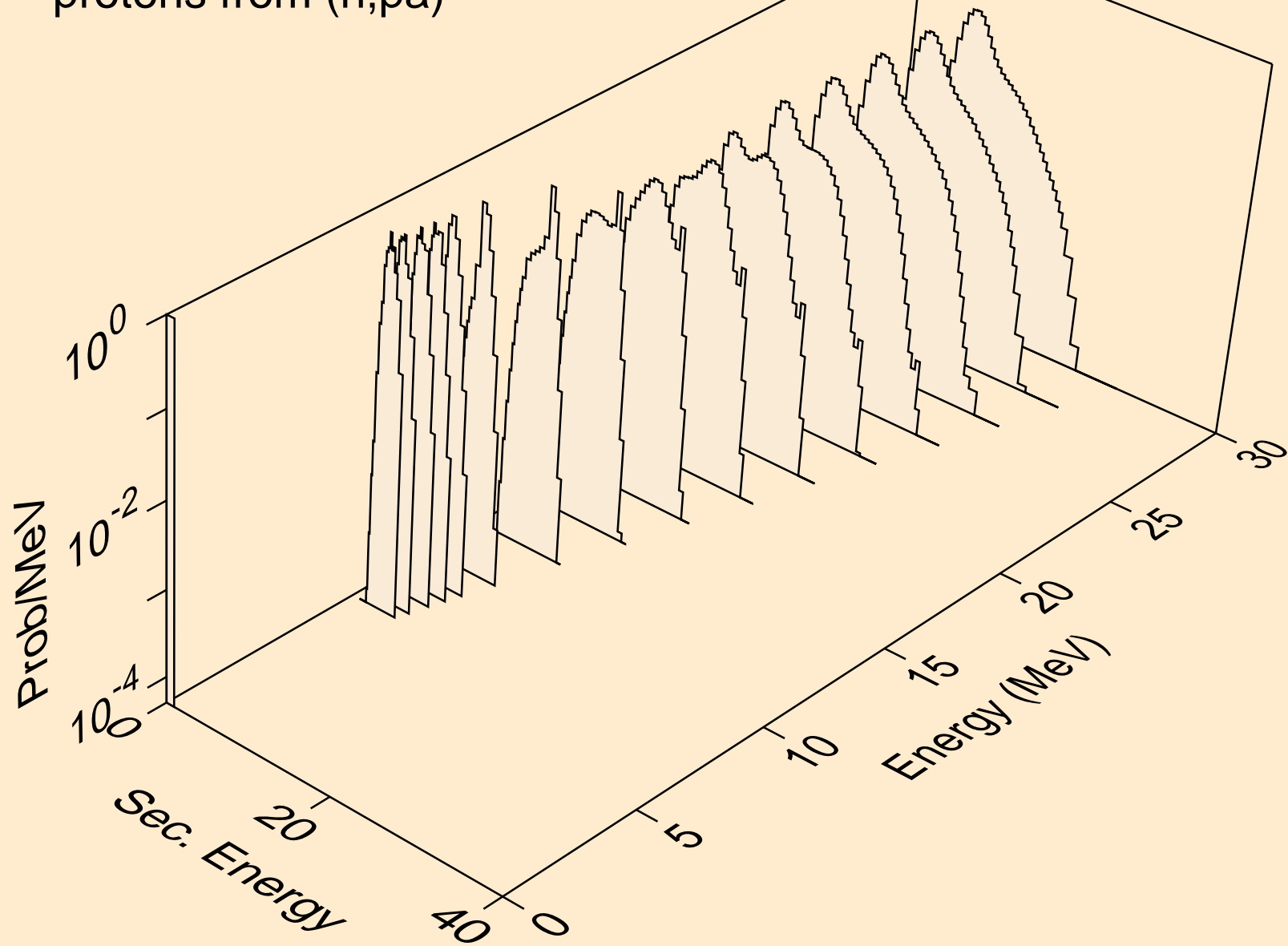




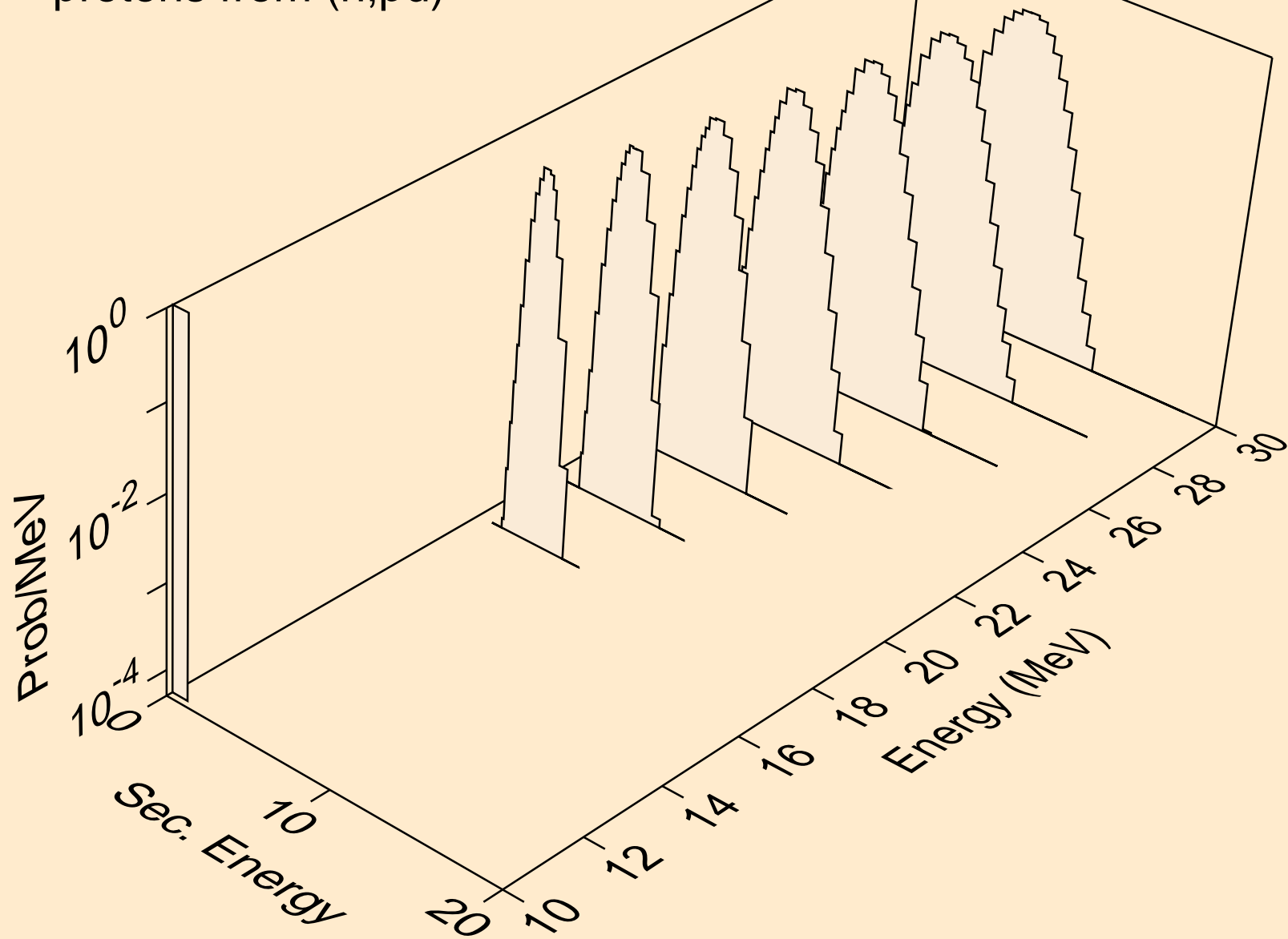
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2p)



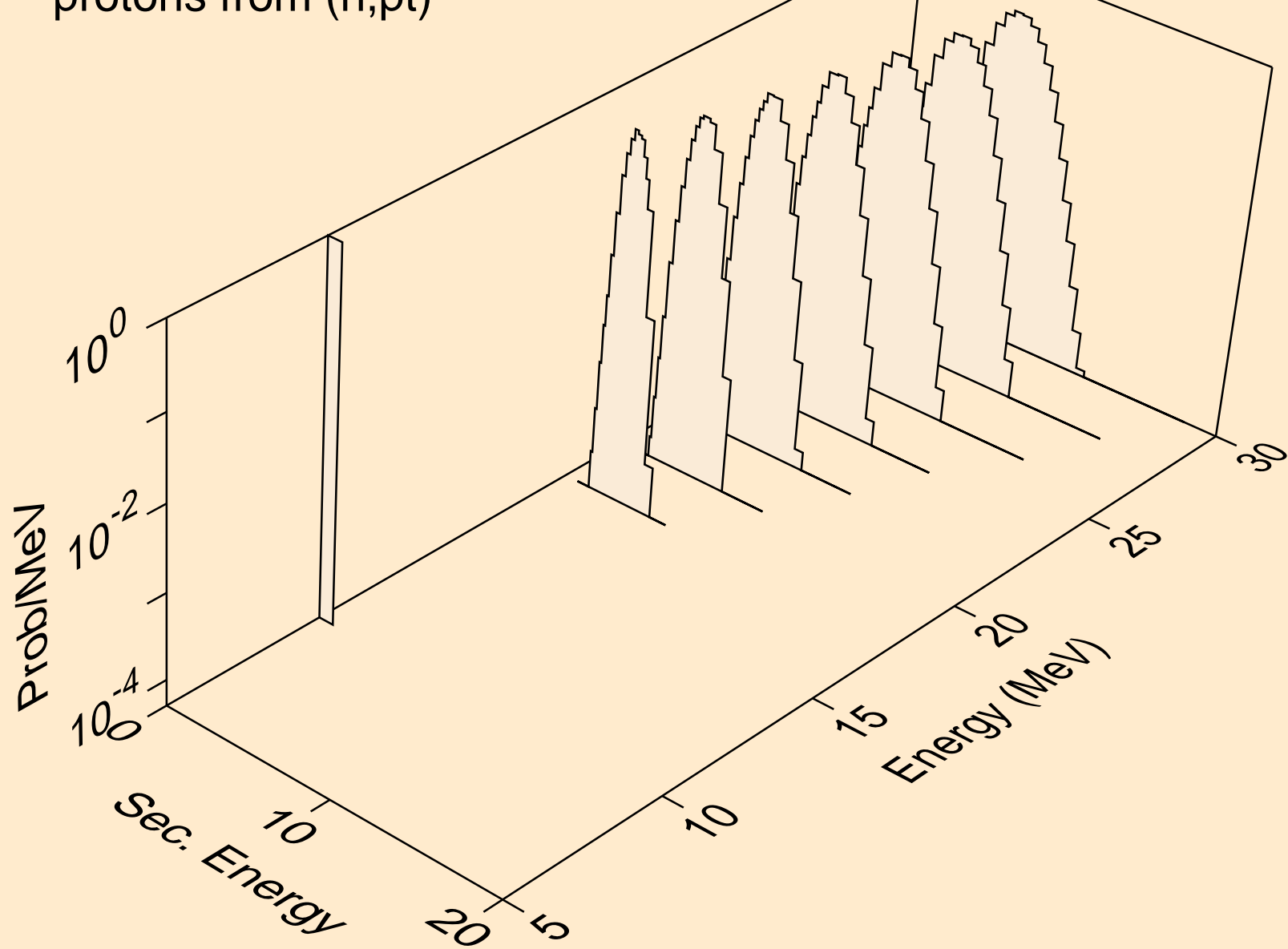
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pa)



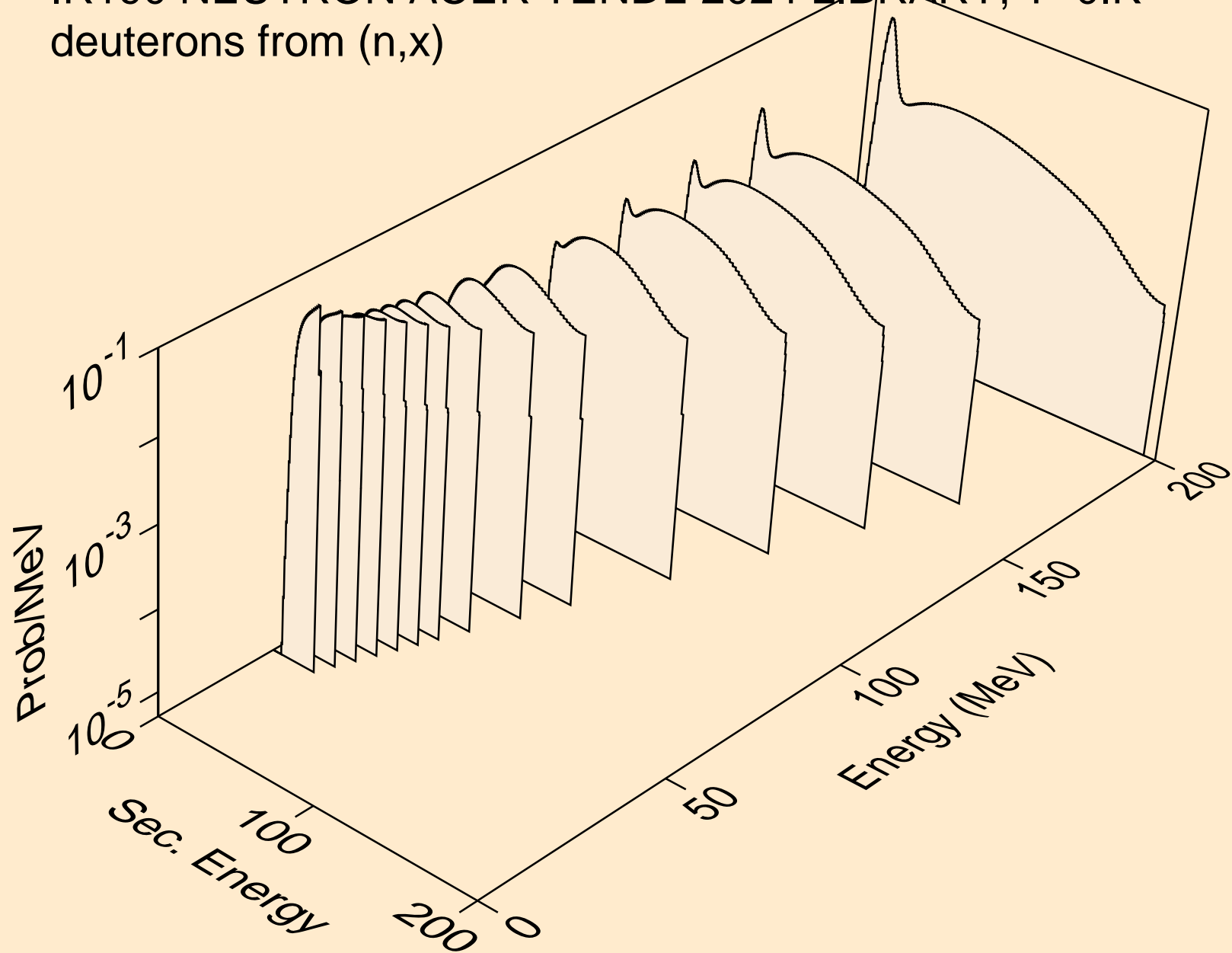
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pd)



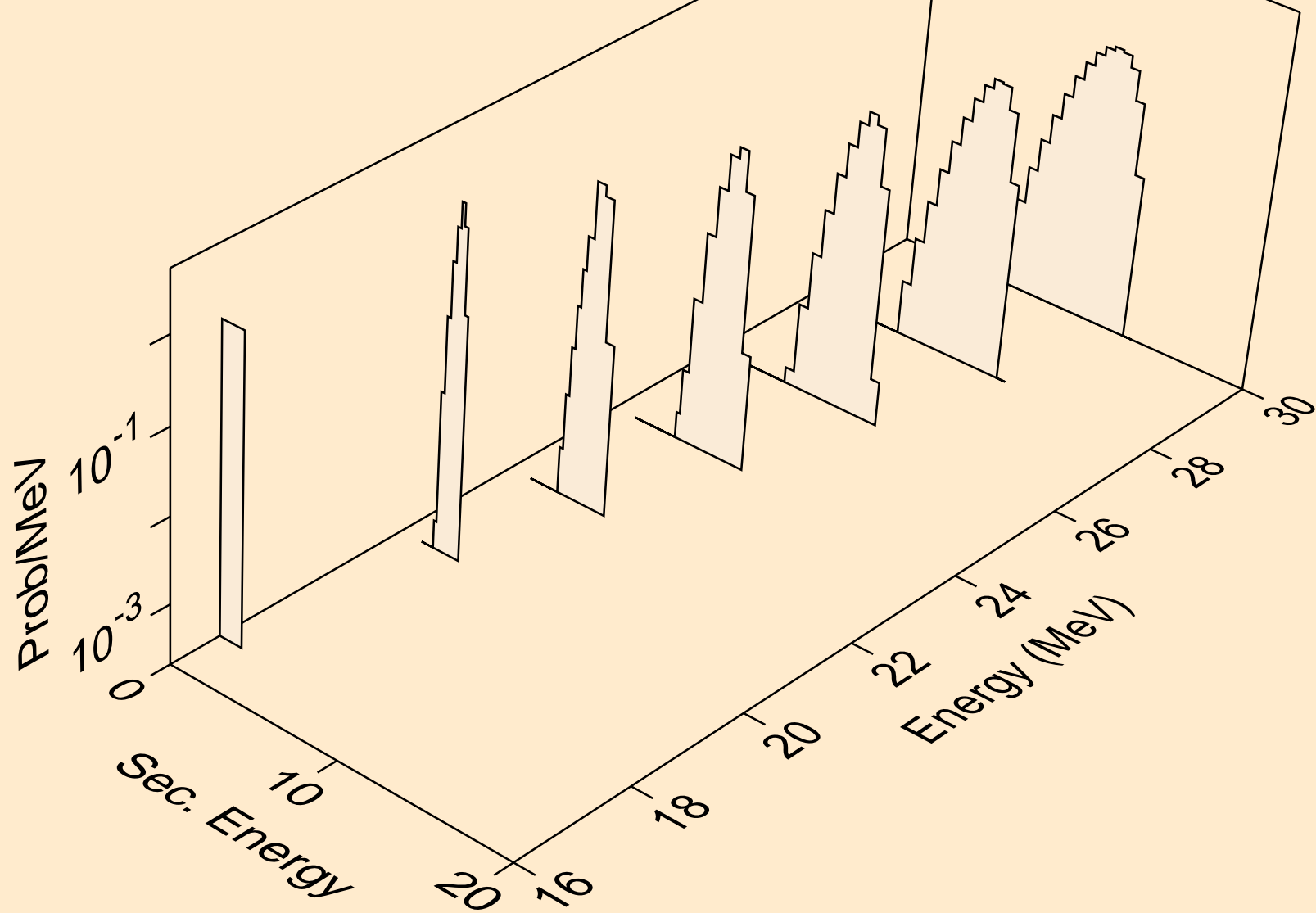
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pt)



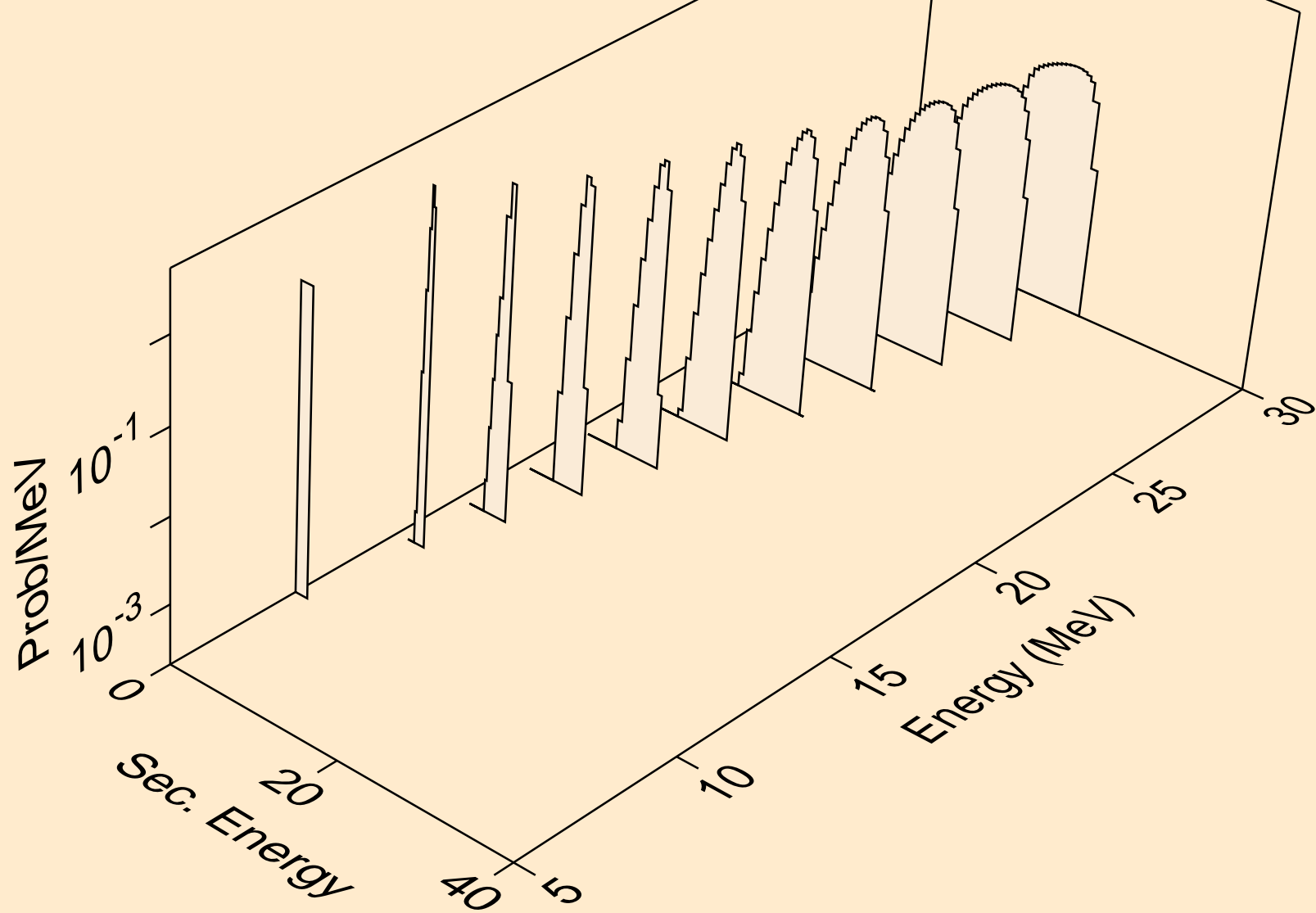
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)



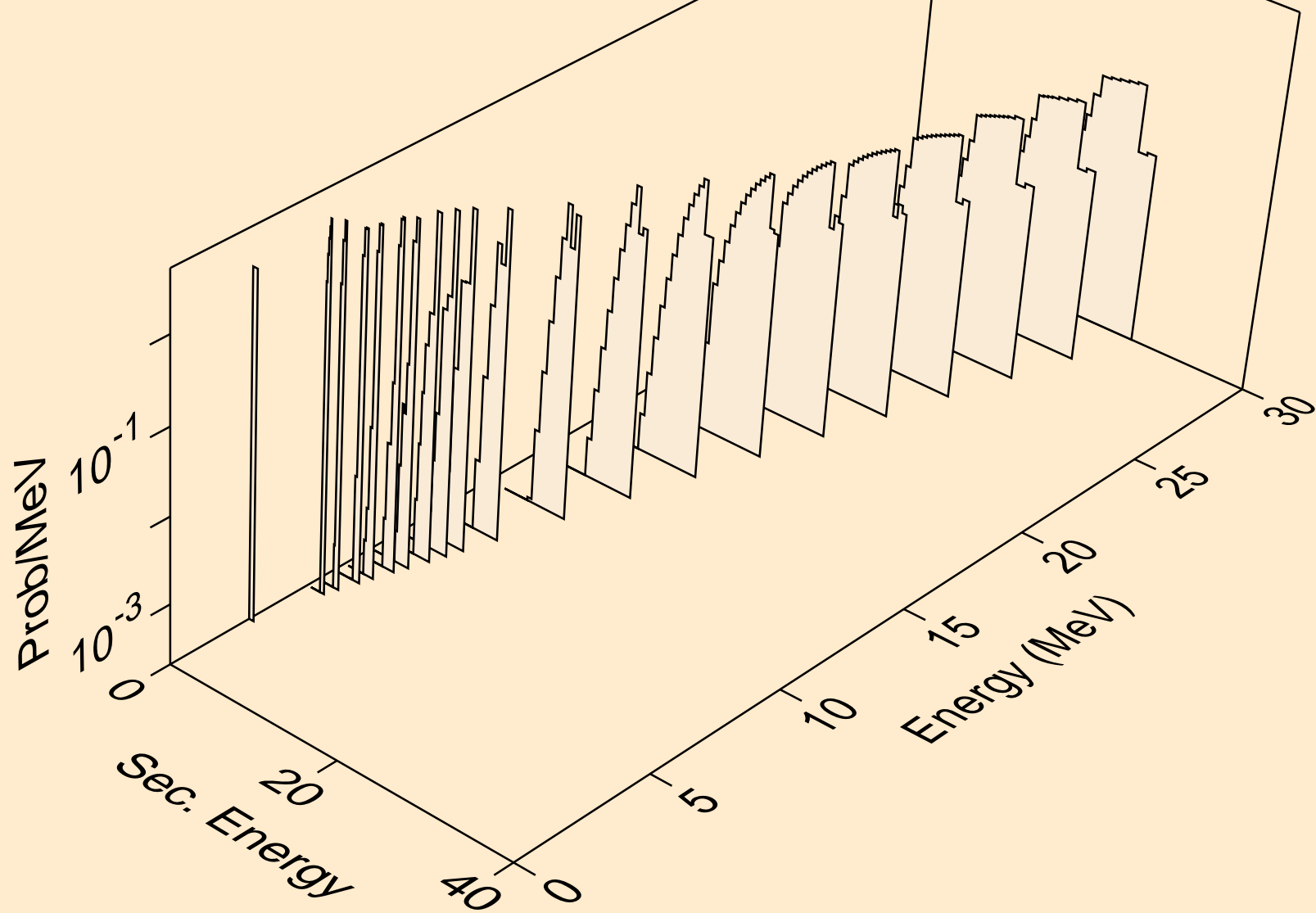
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,2nd)



IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,n\*)d

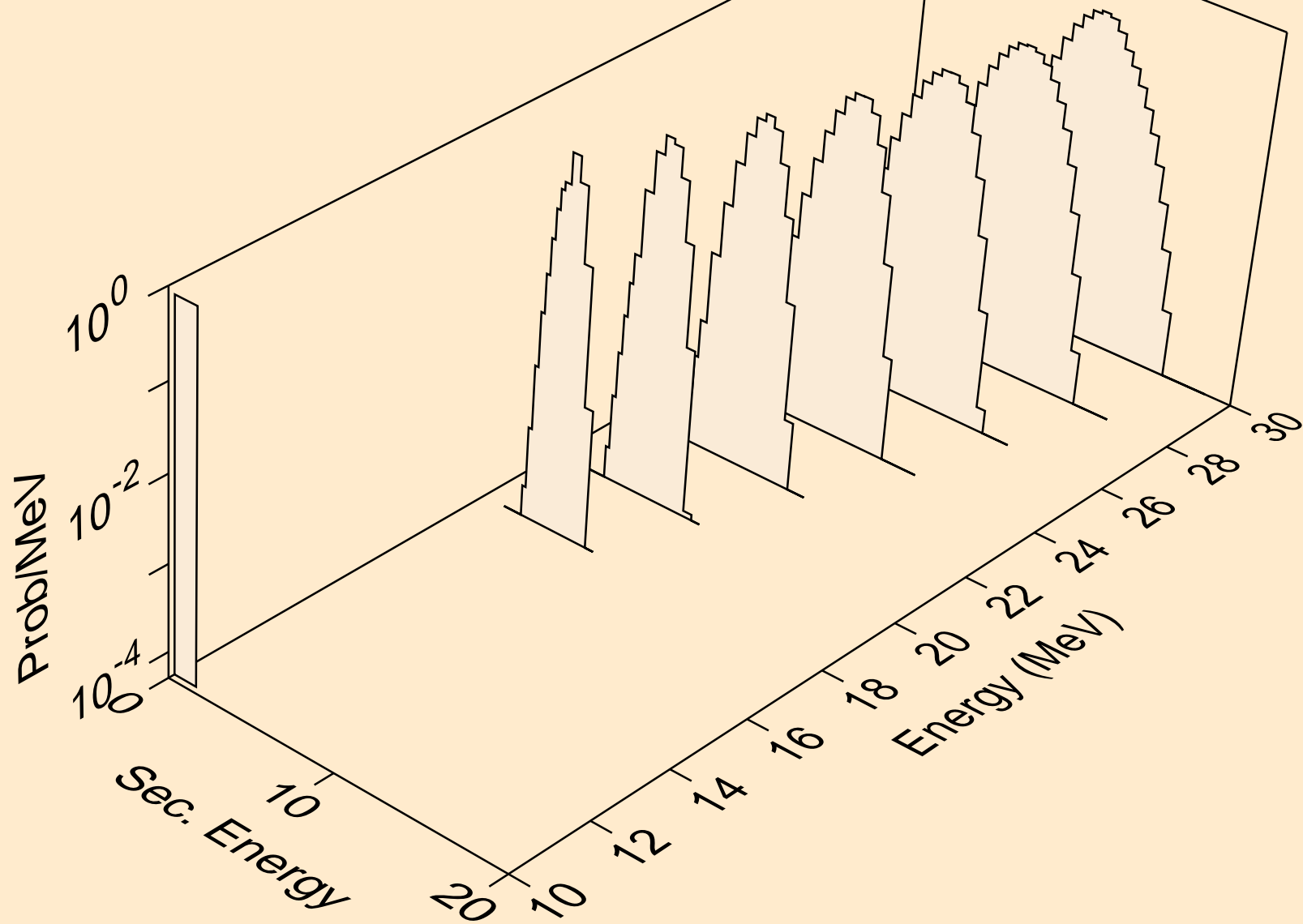


IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,d)

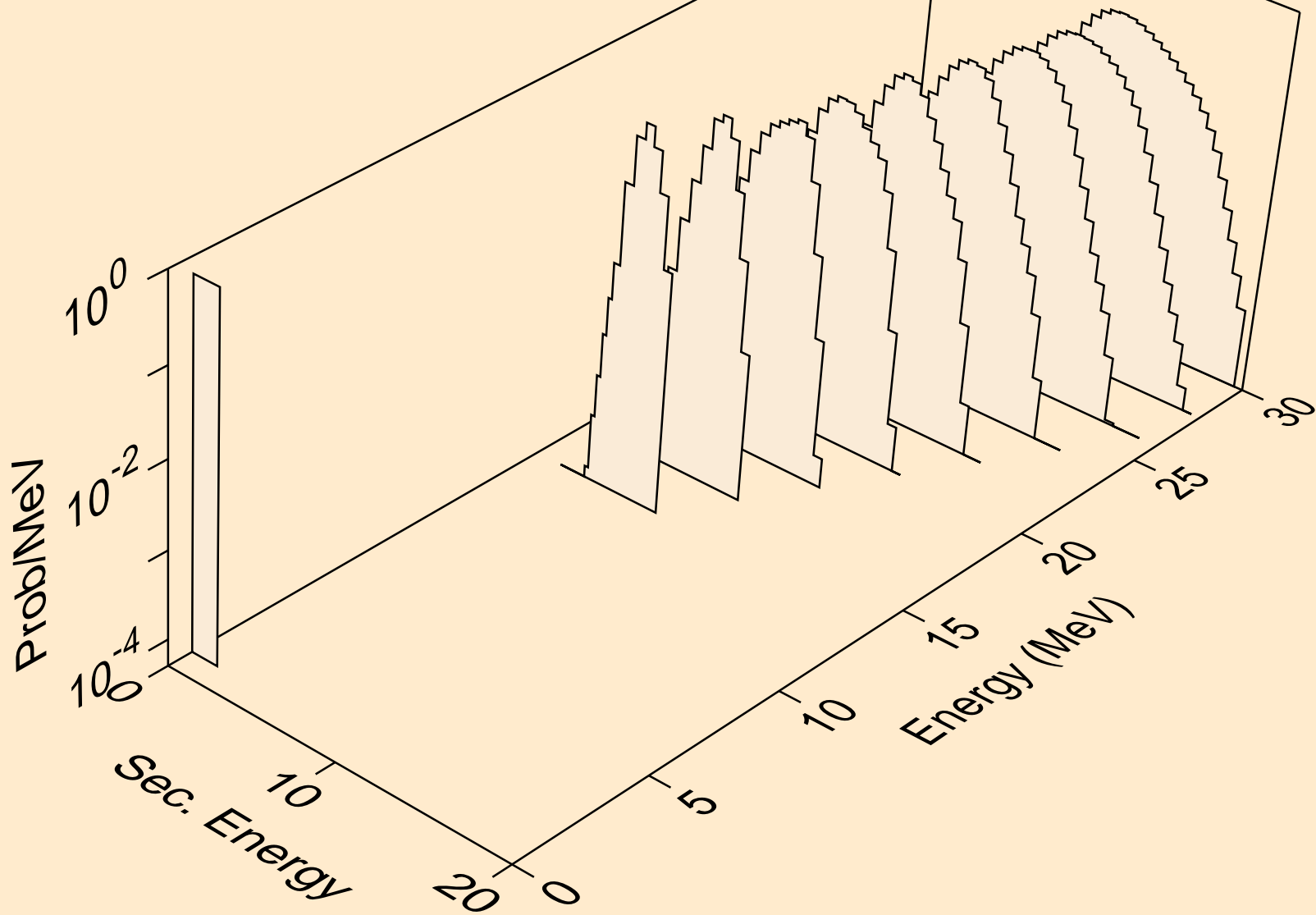




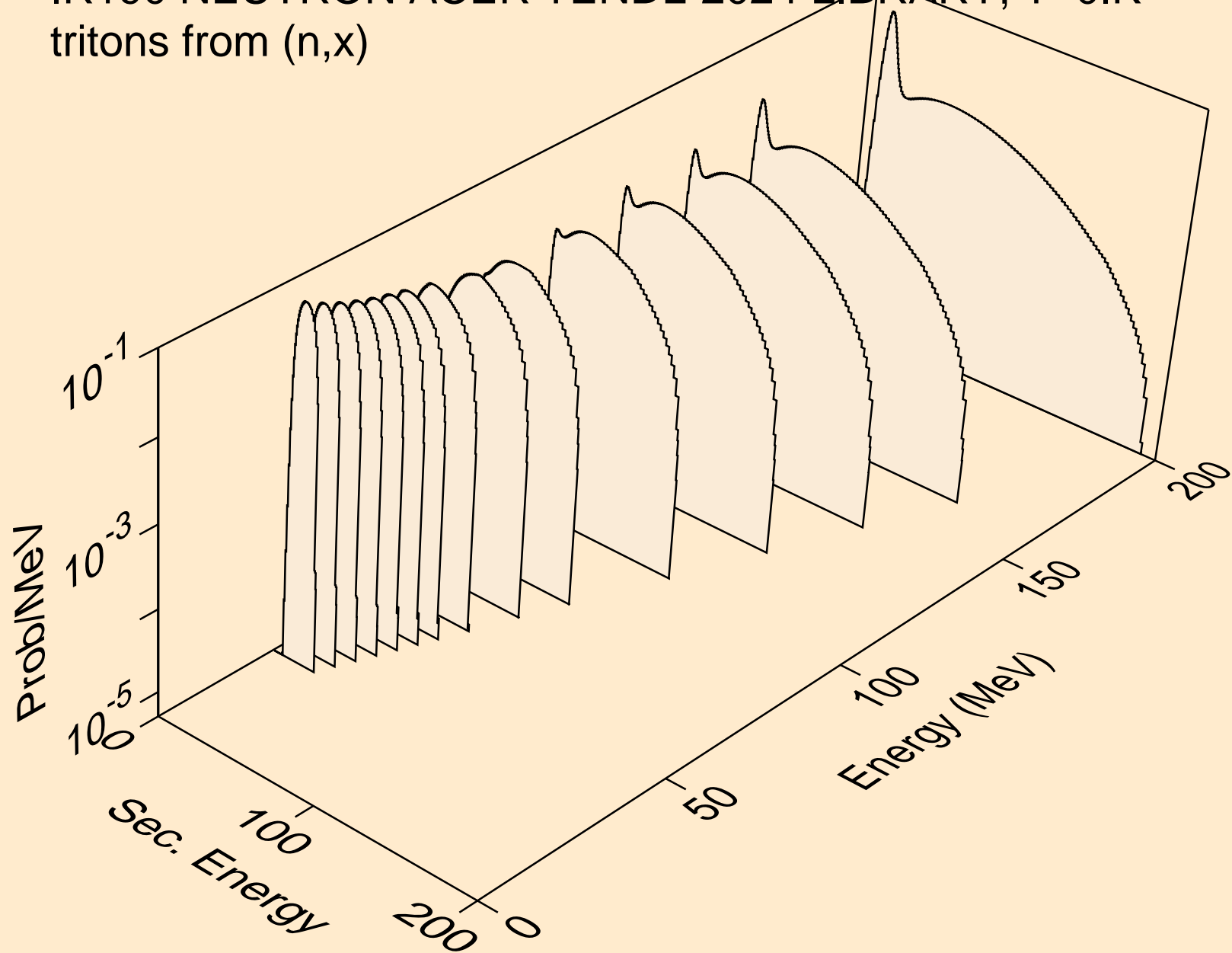
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,pd)



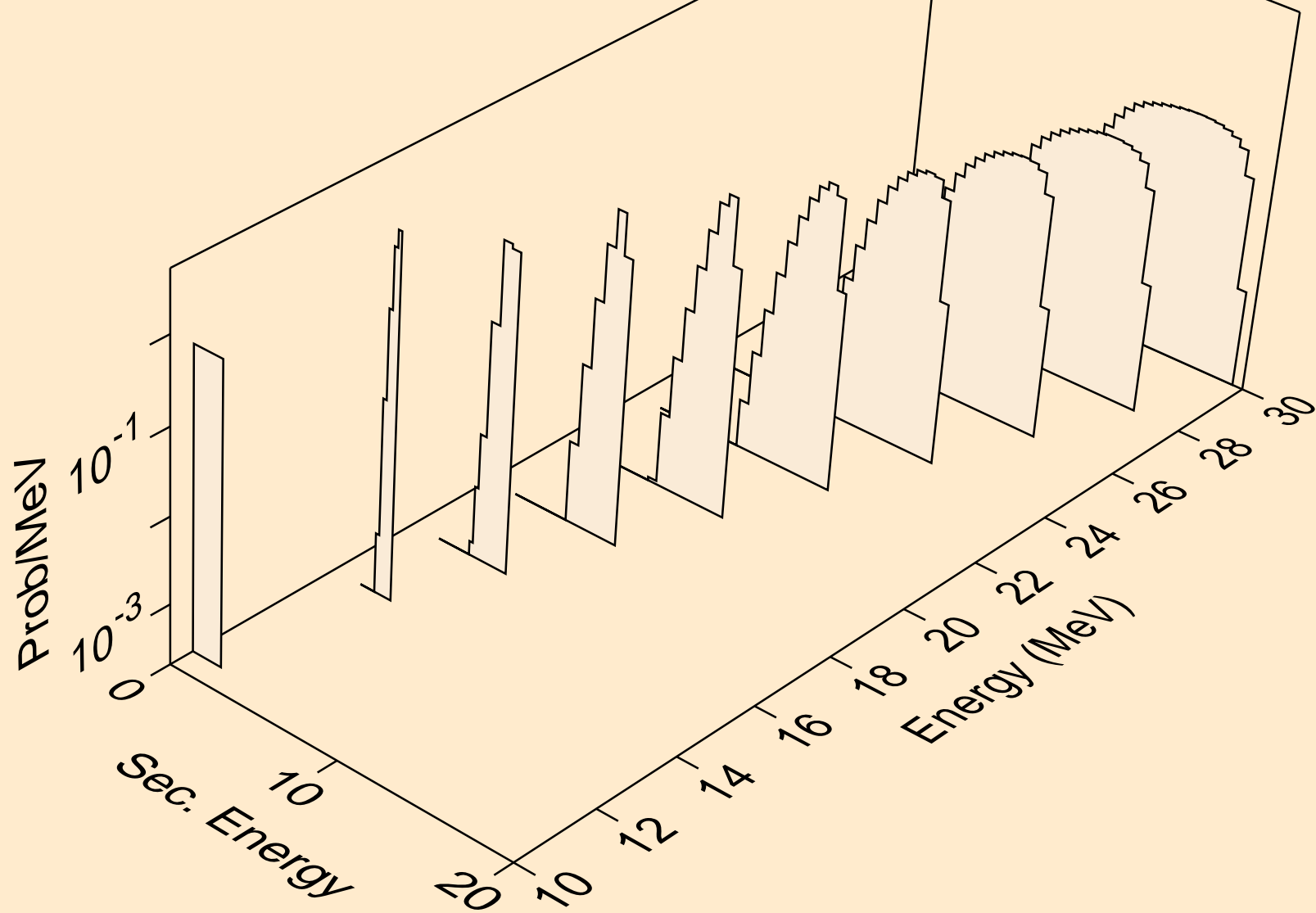
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,da)



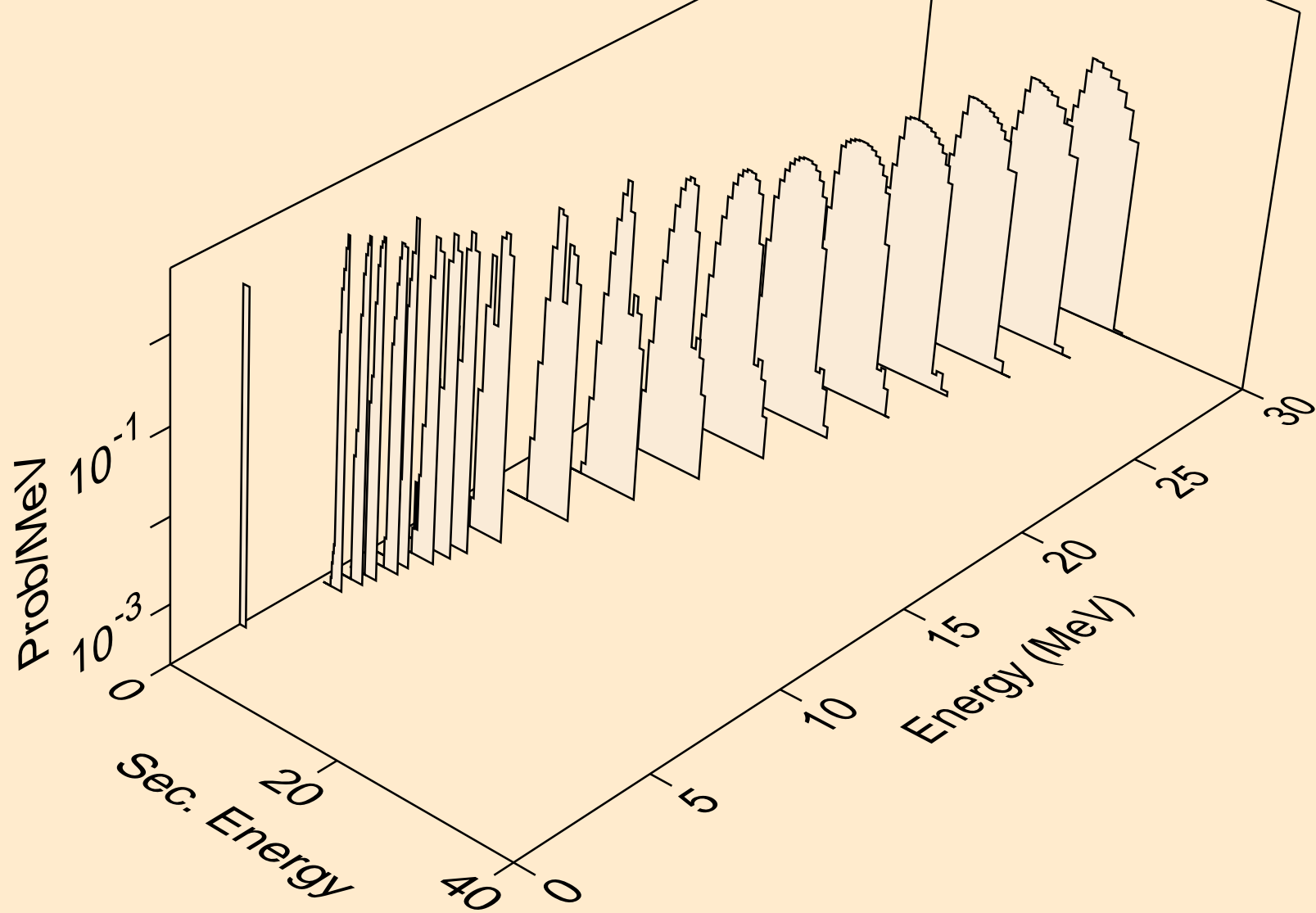
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)



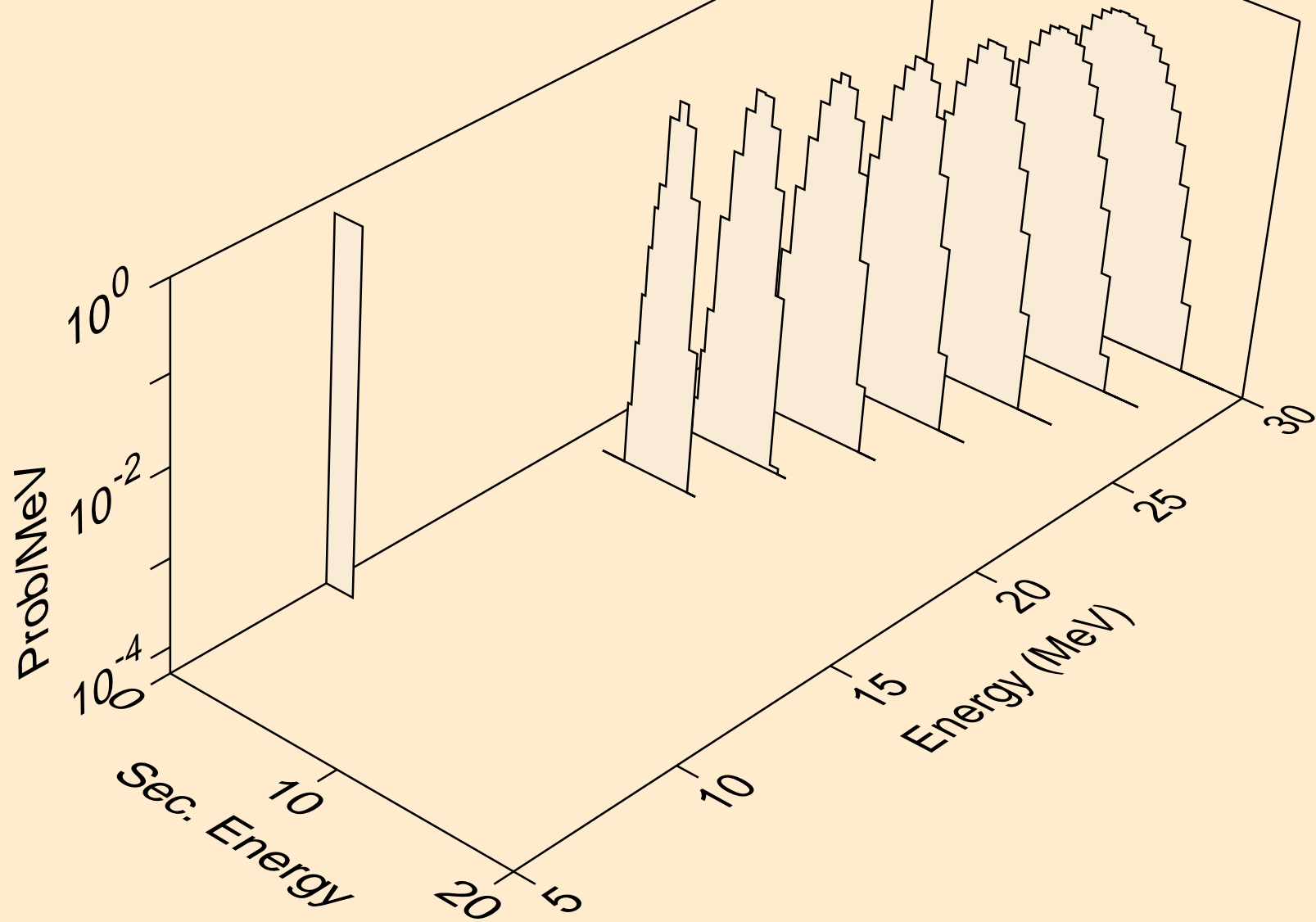
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



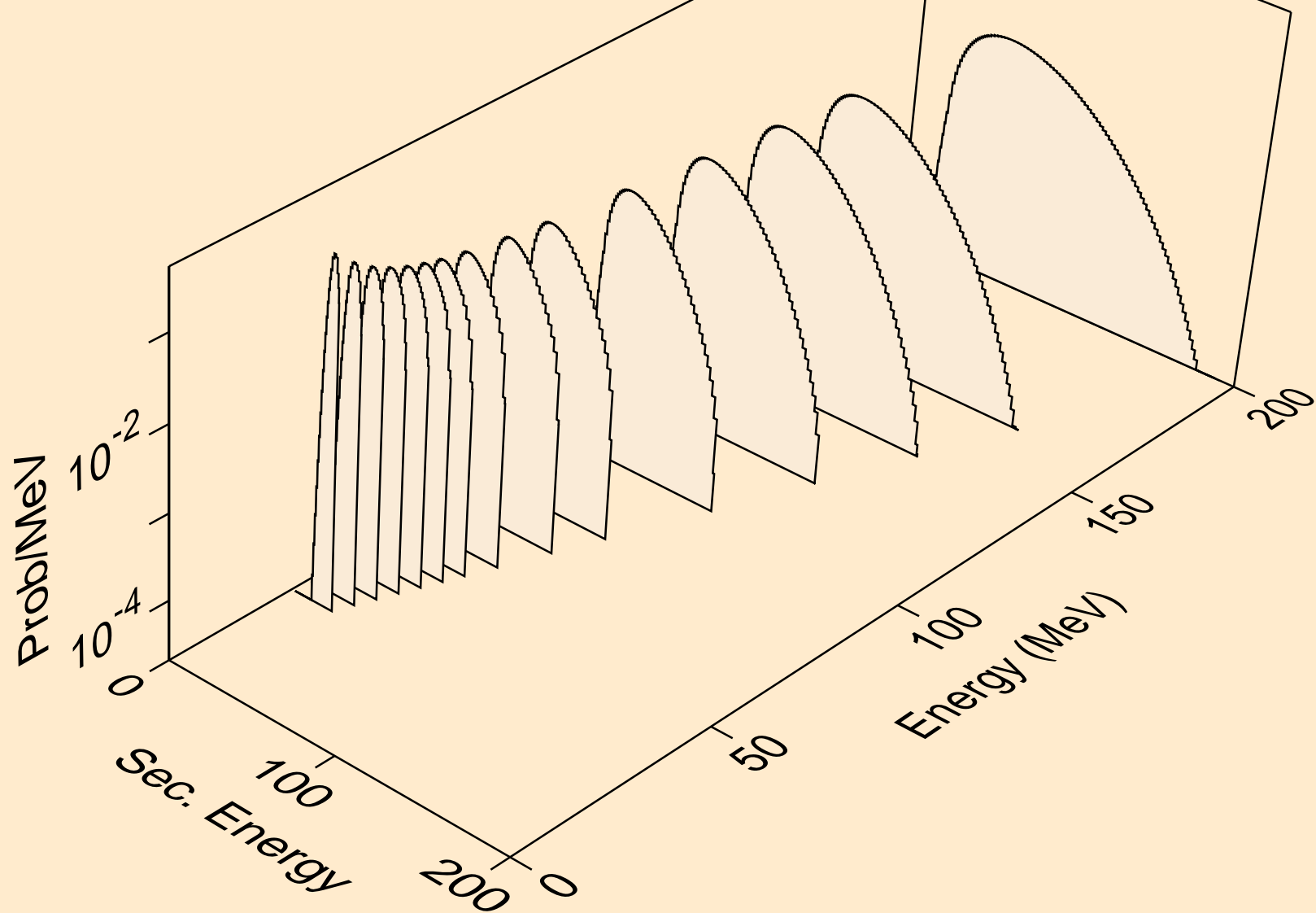
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,t)



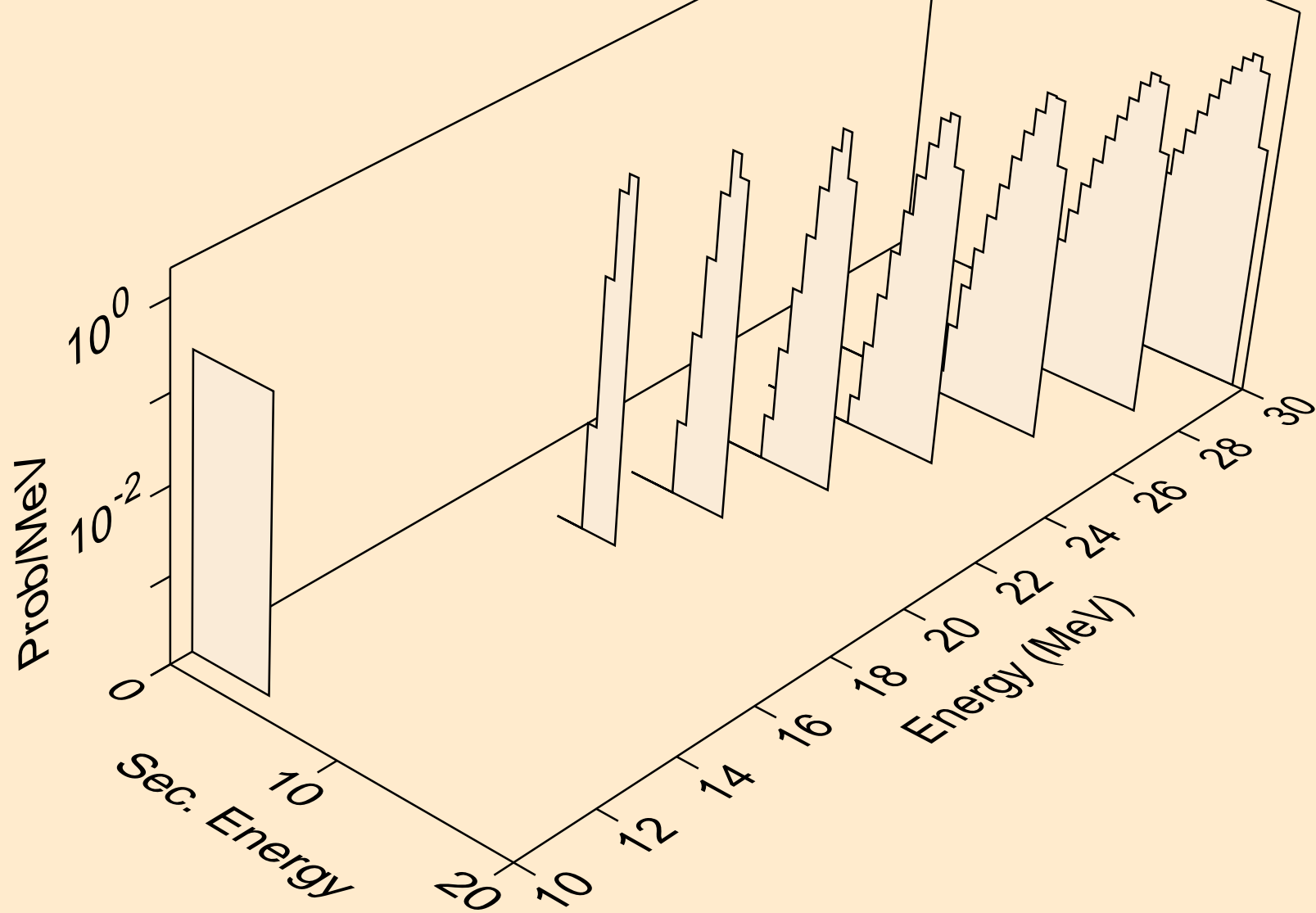
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,pt)



IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)

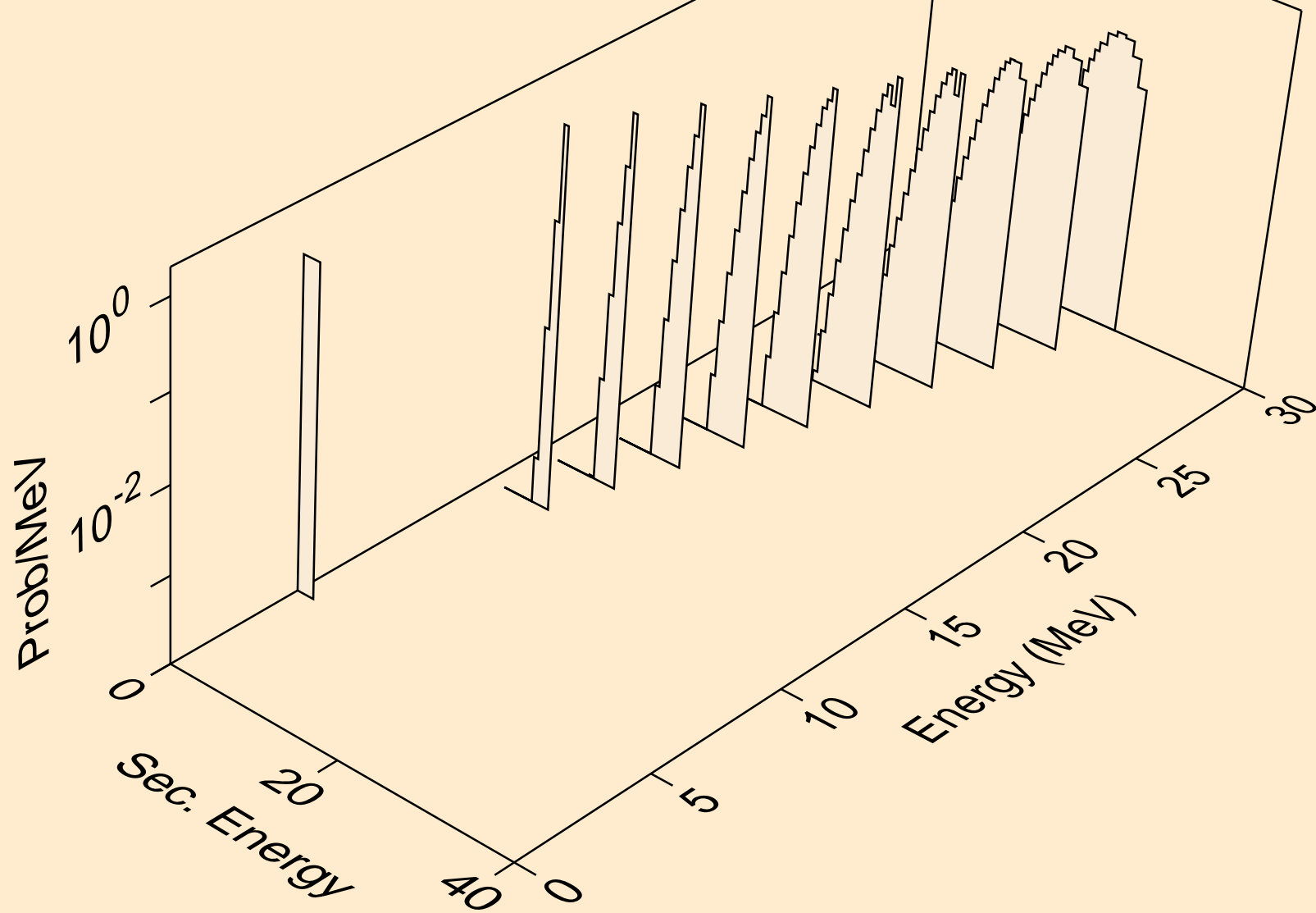


IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3

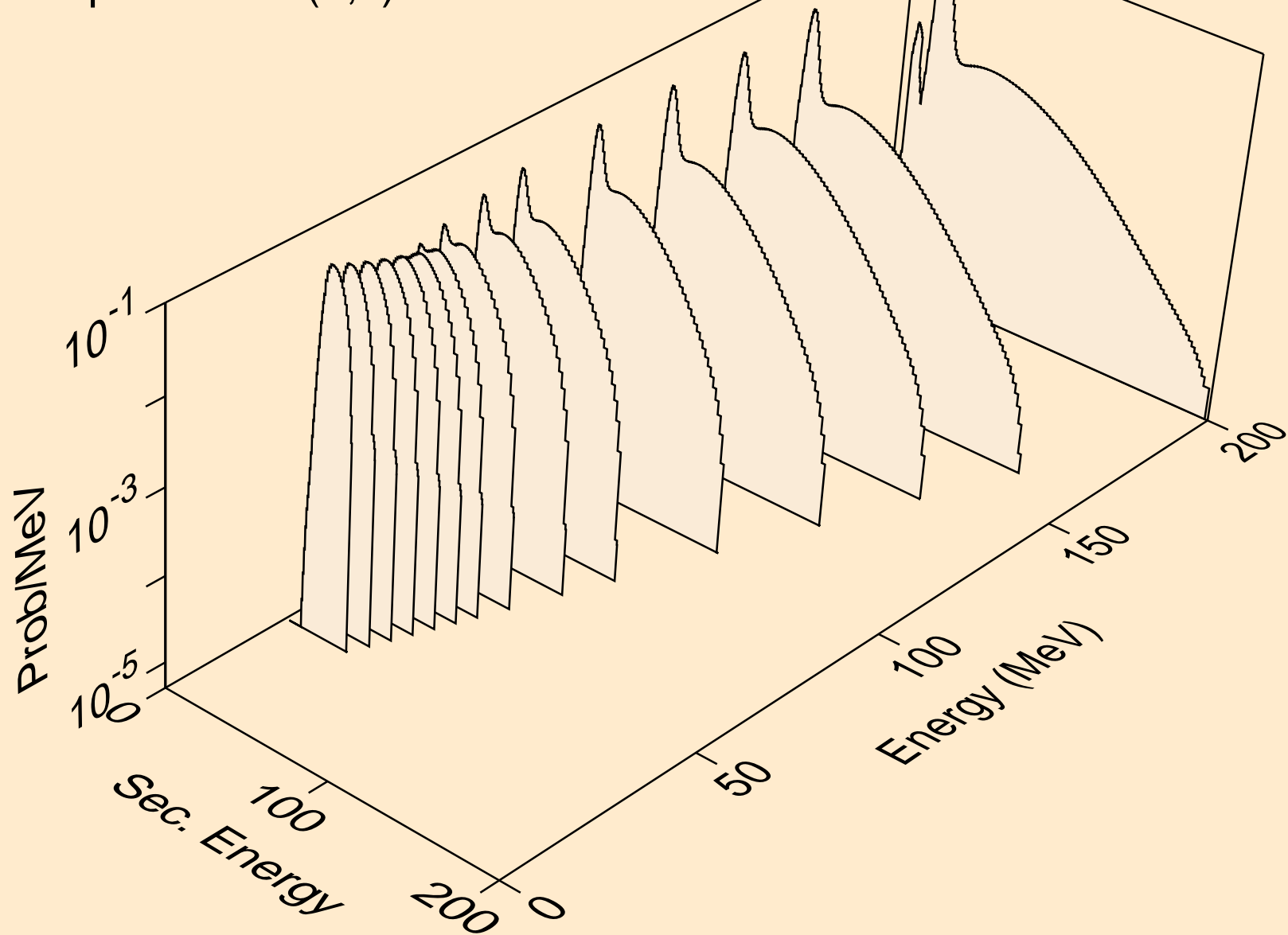




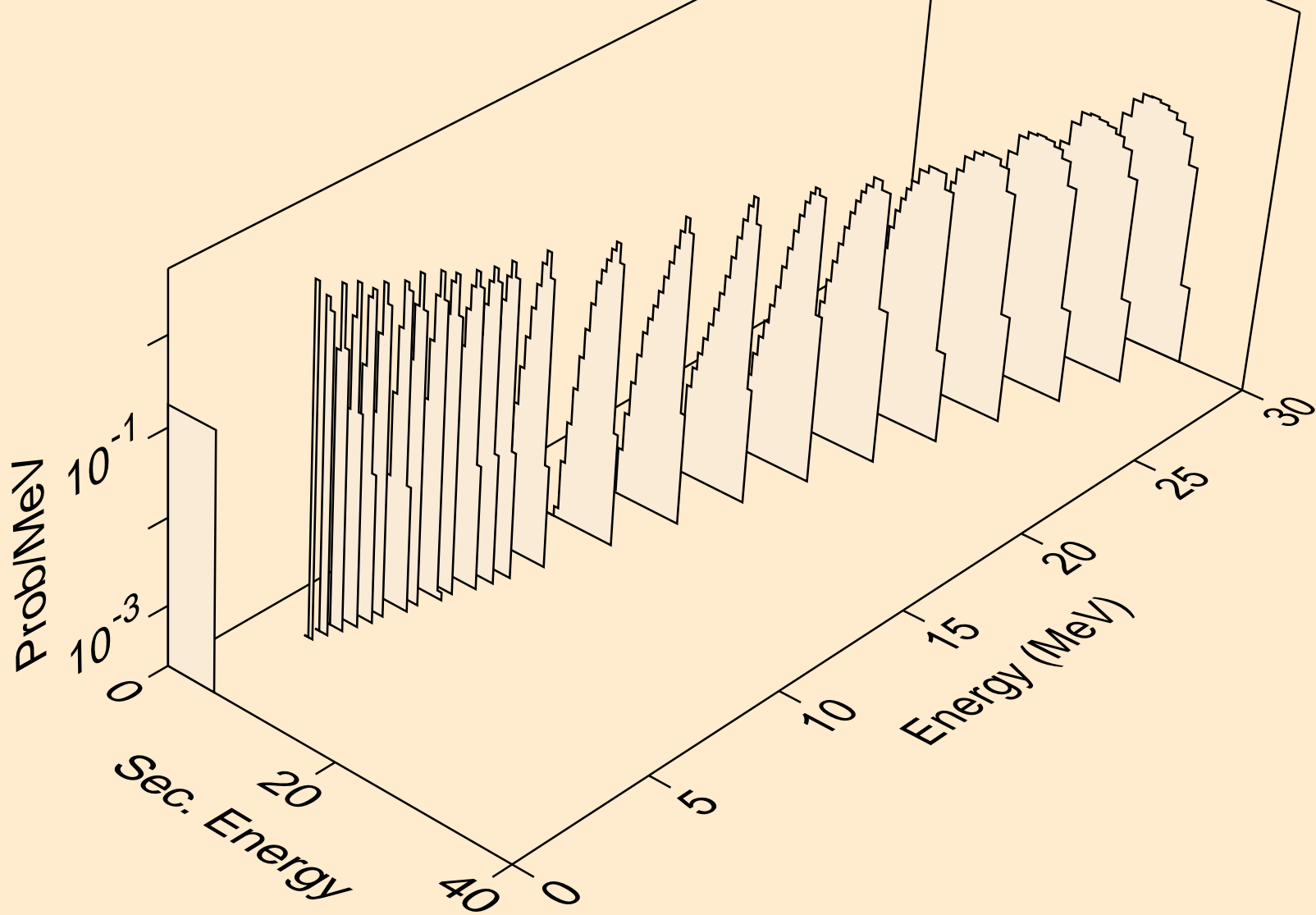
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)



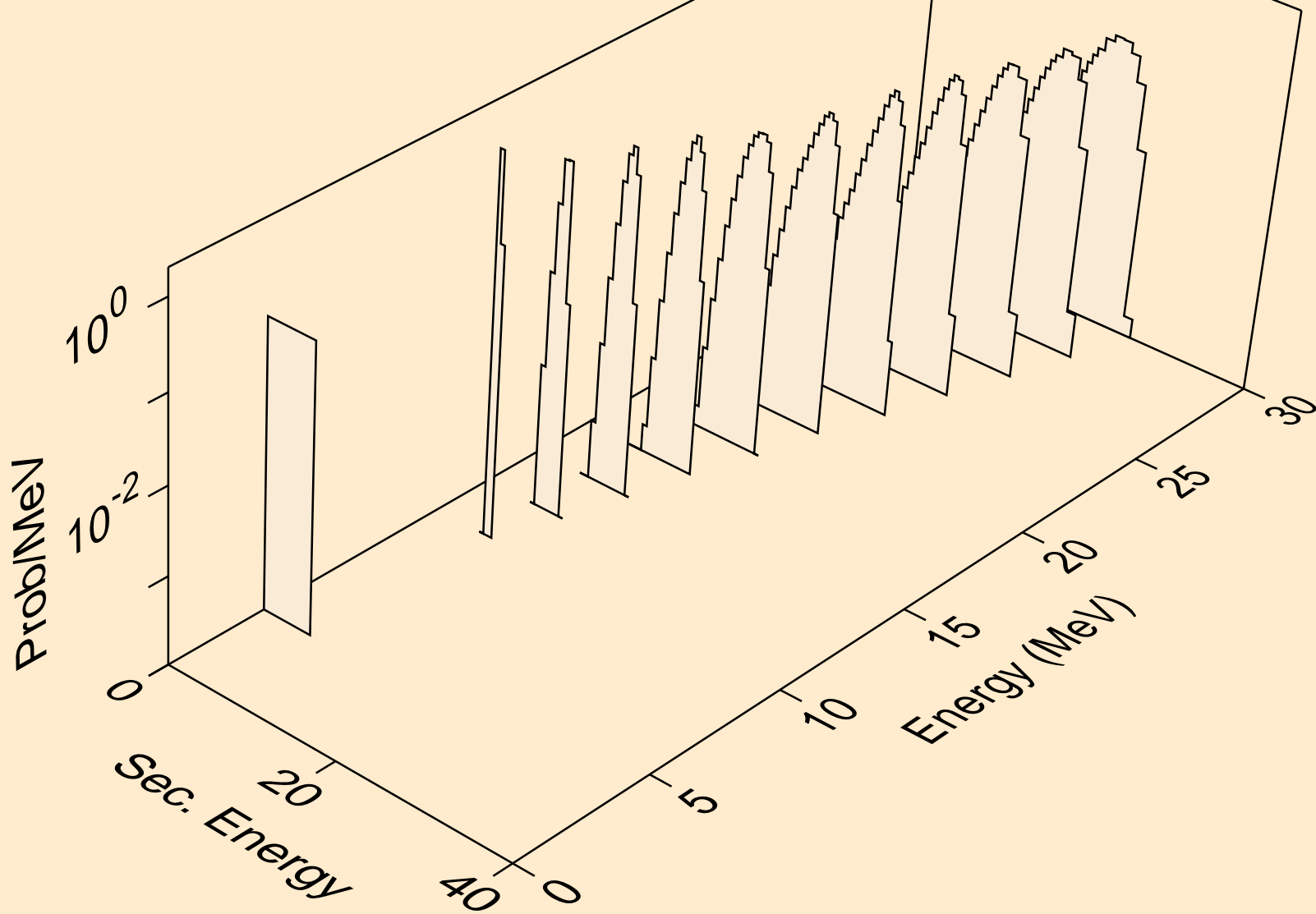
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



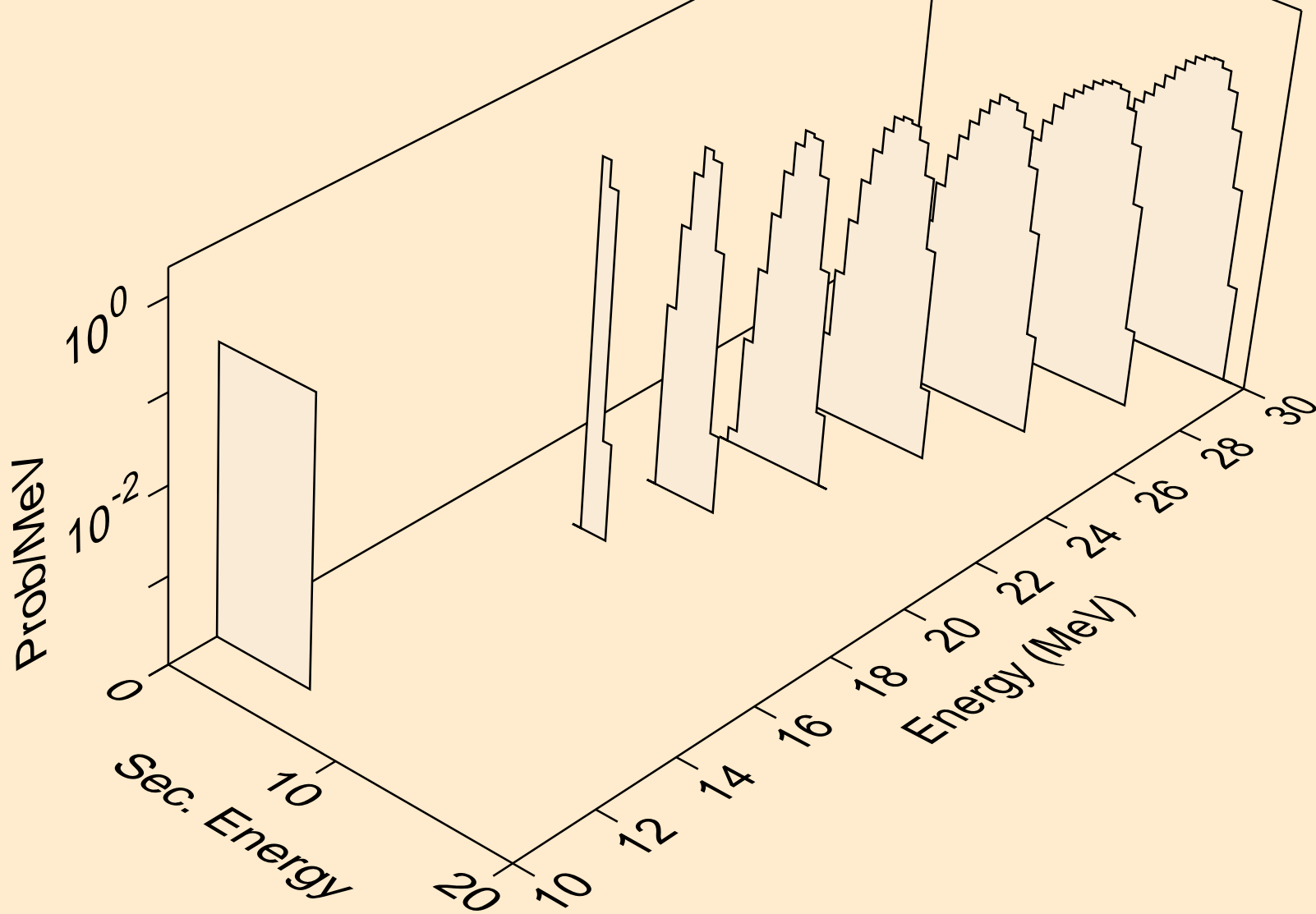
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



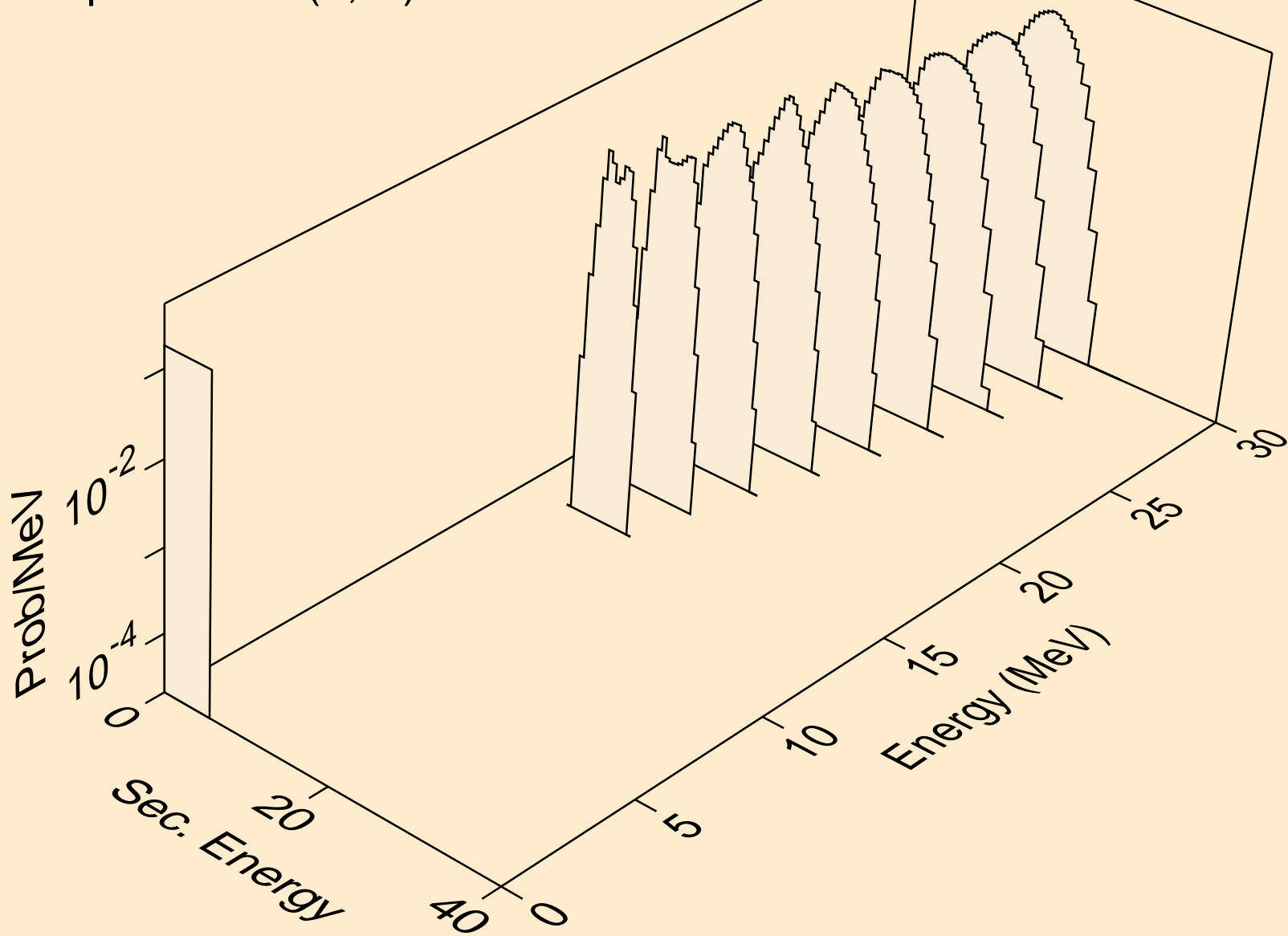
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



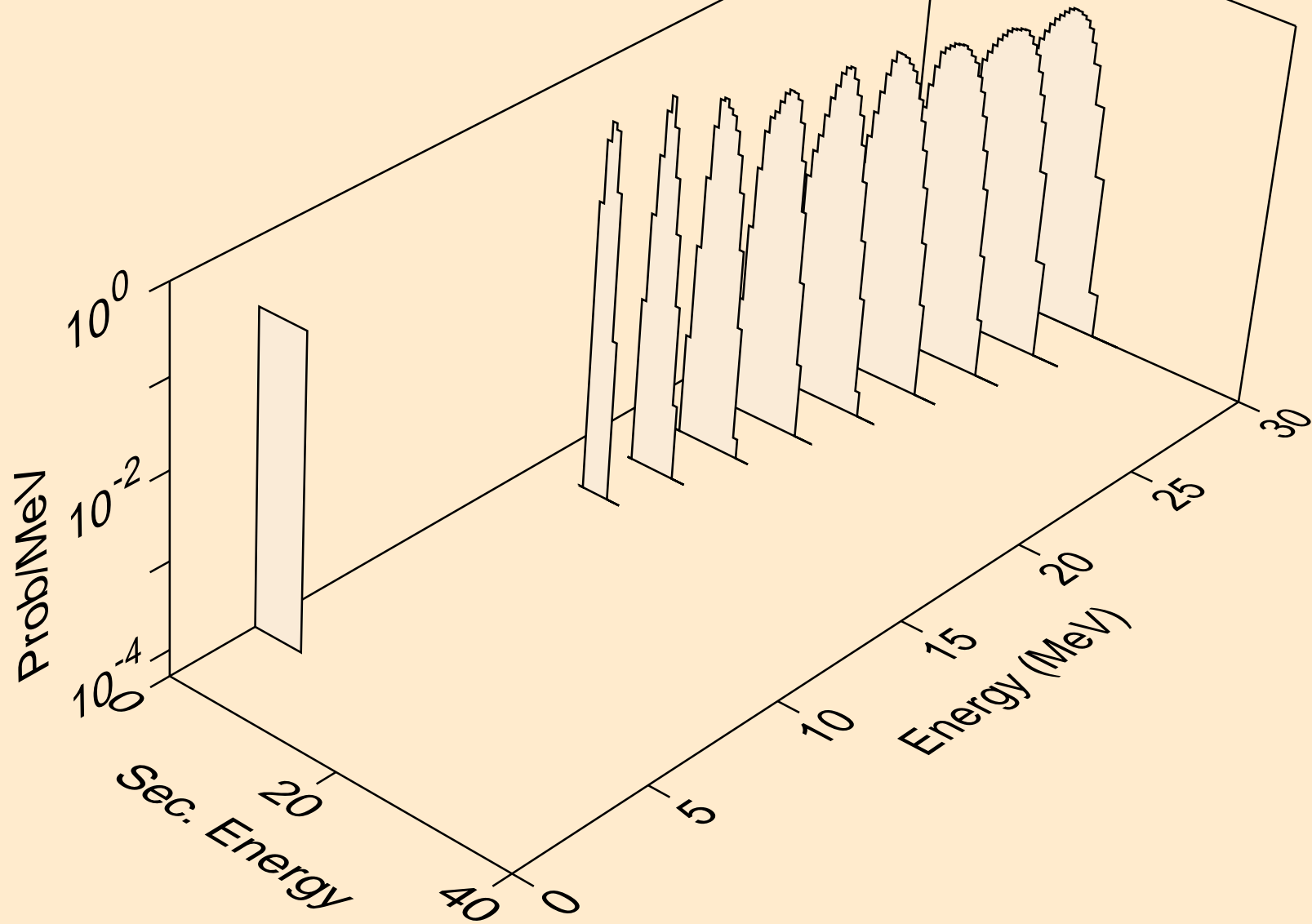
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a



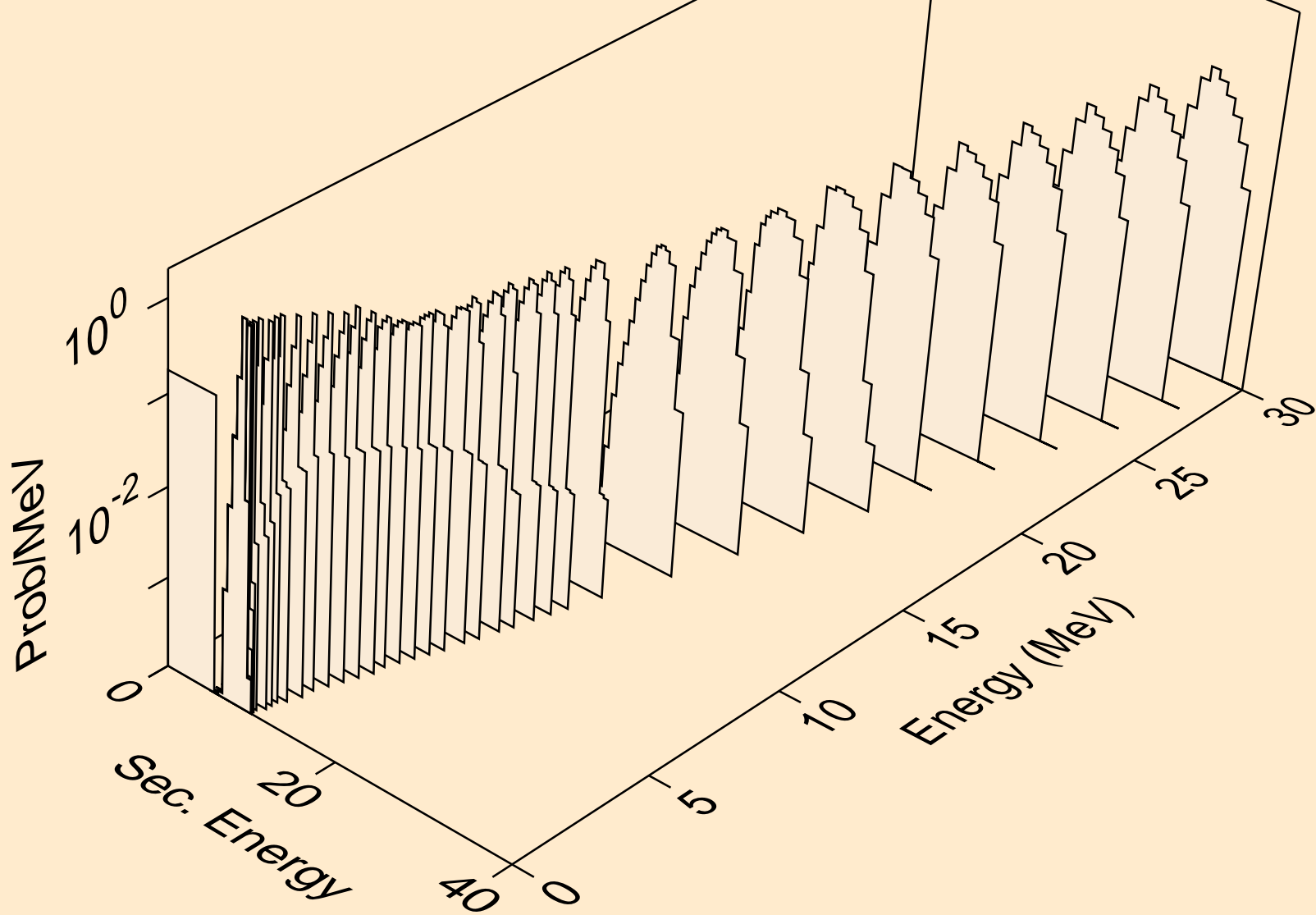
IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)2a



IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)

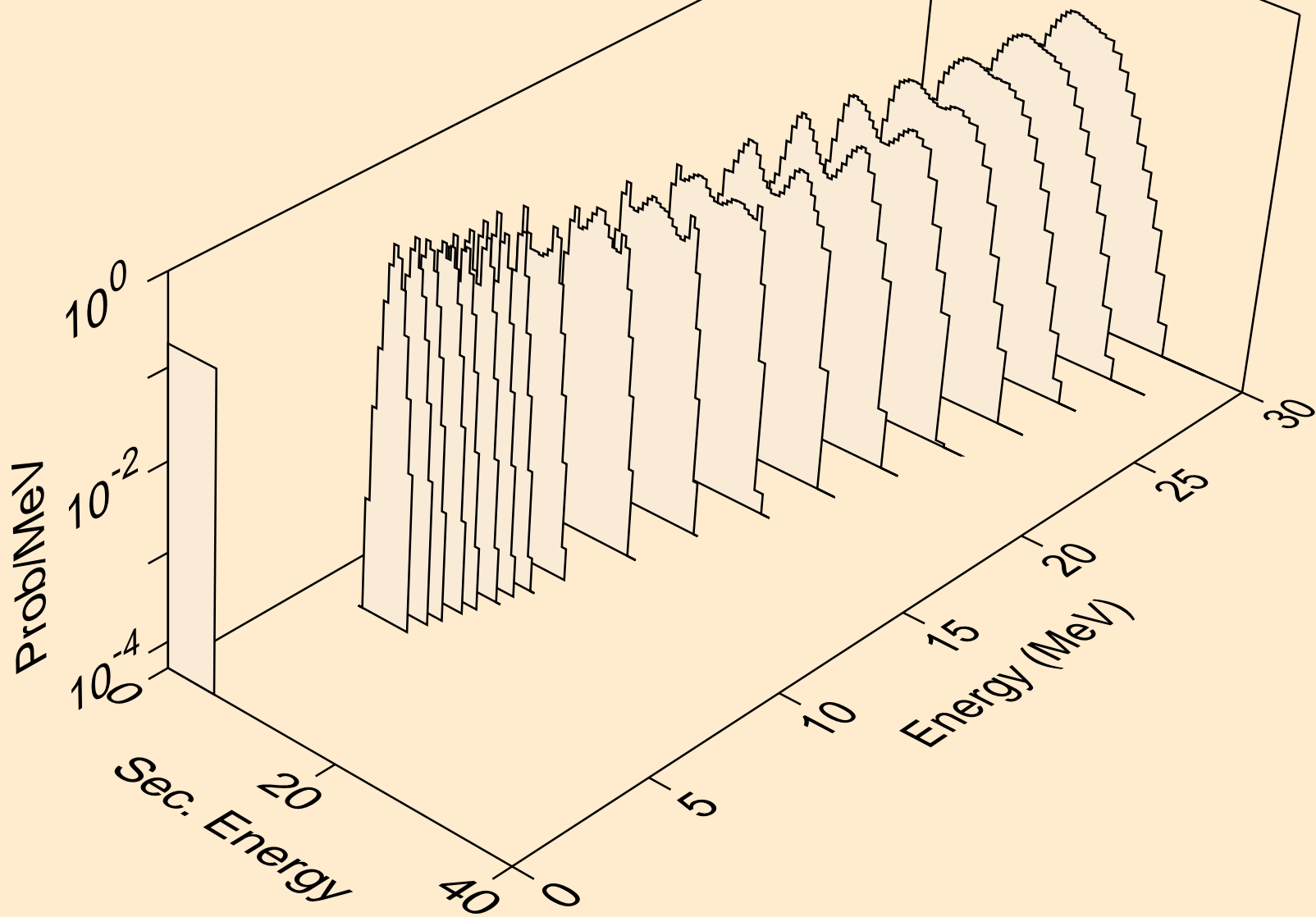


IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)

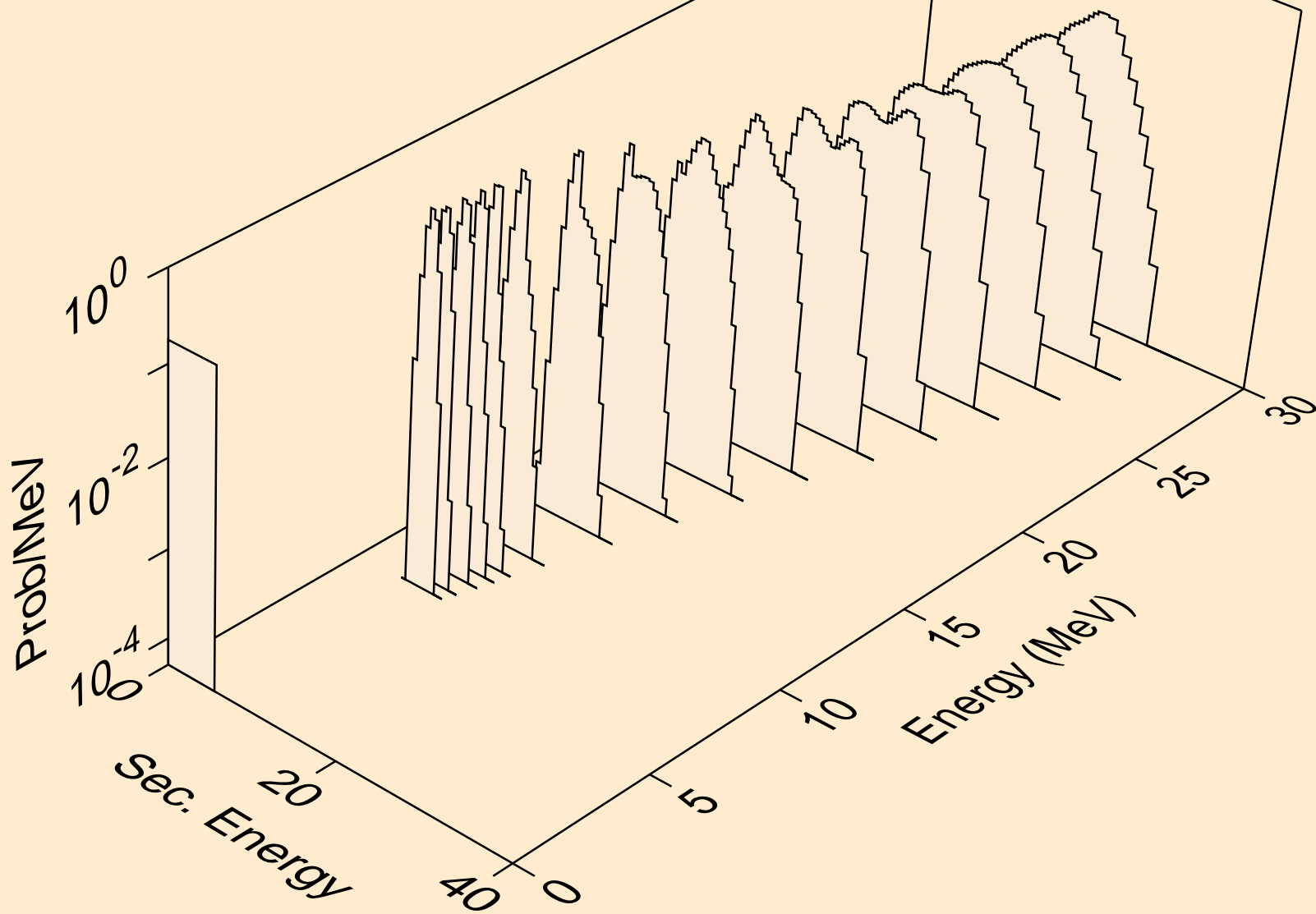




IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



IR190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

