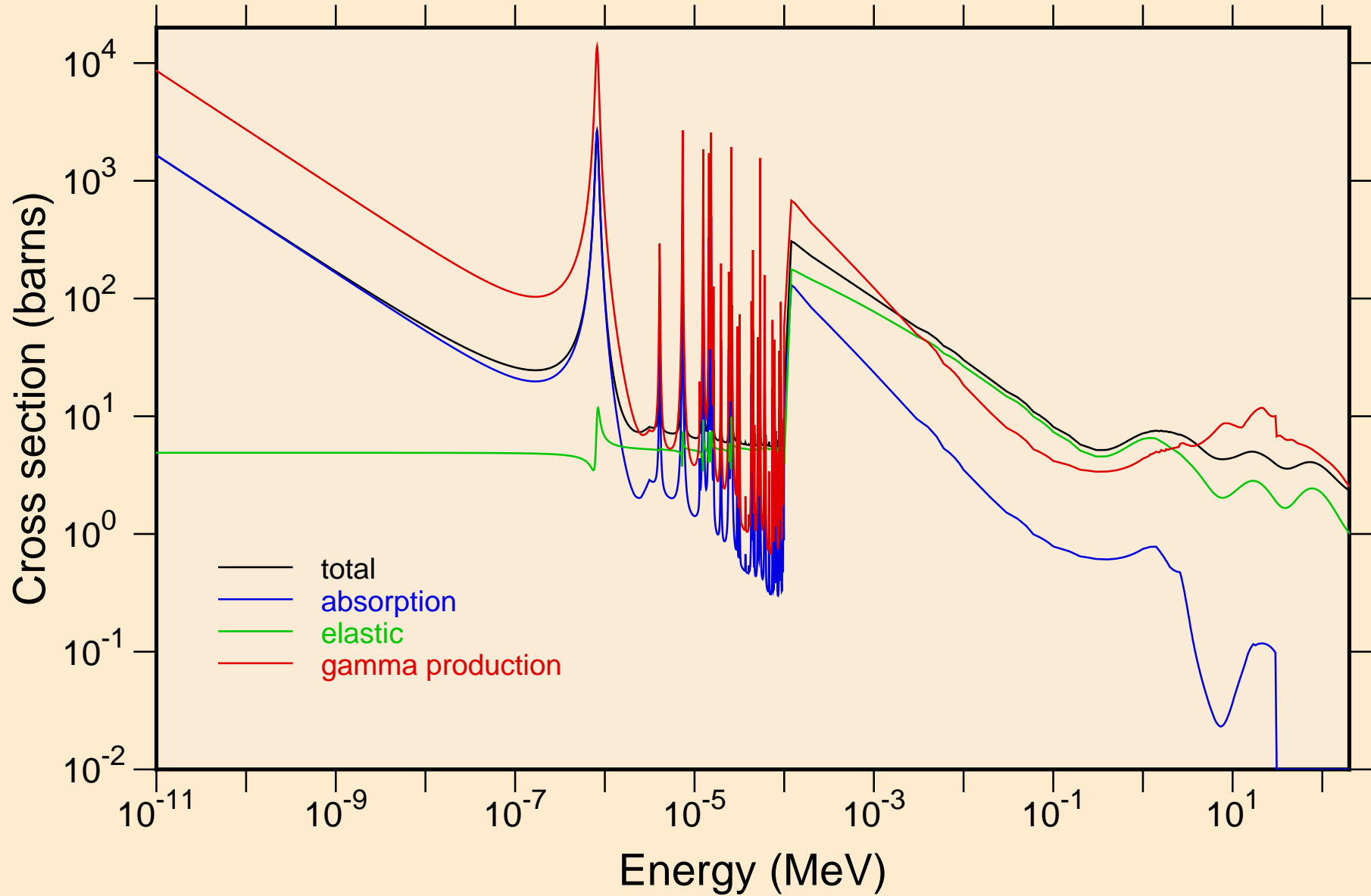
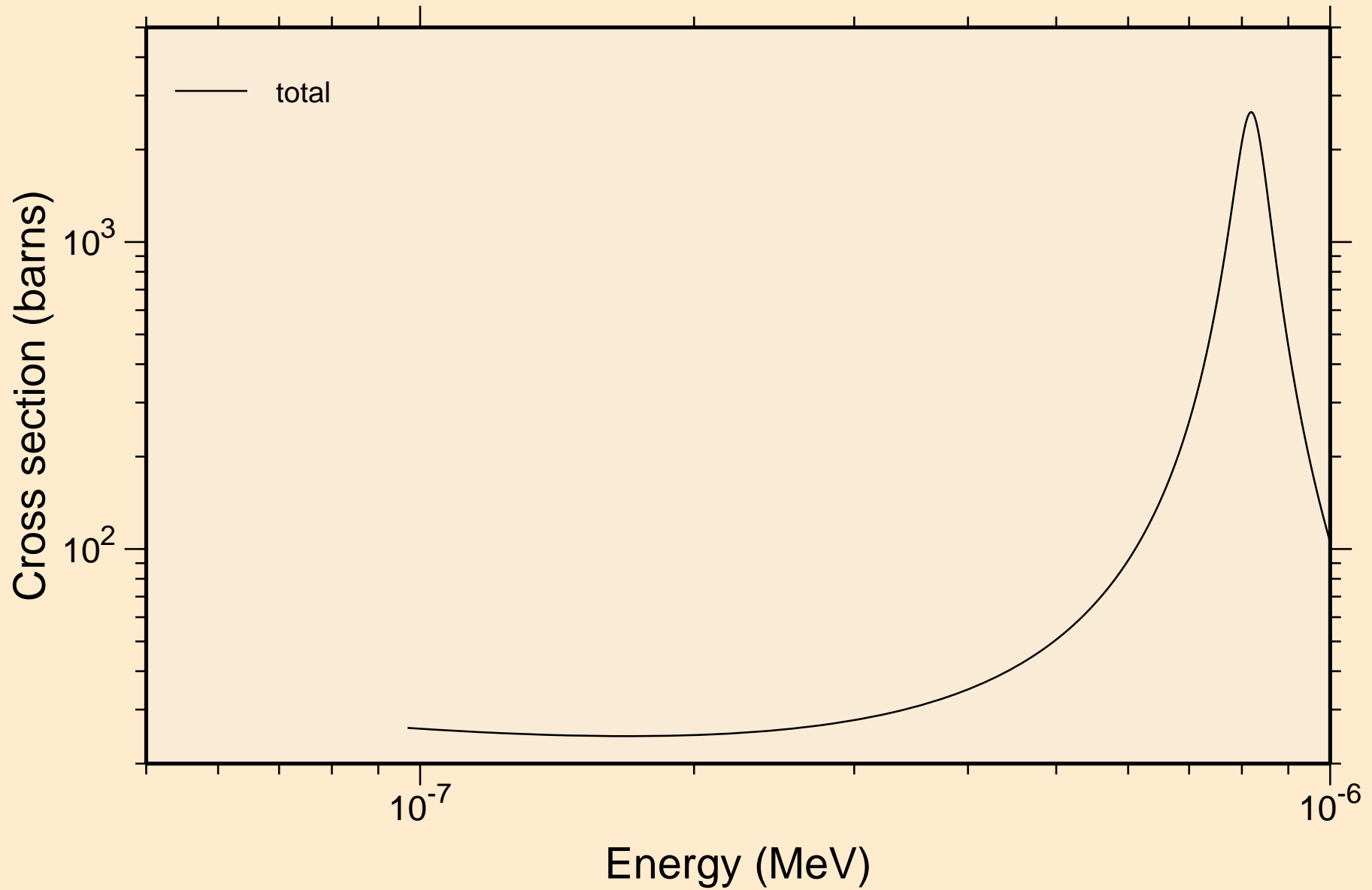


# GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

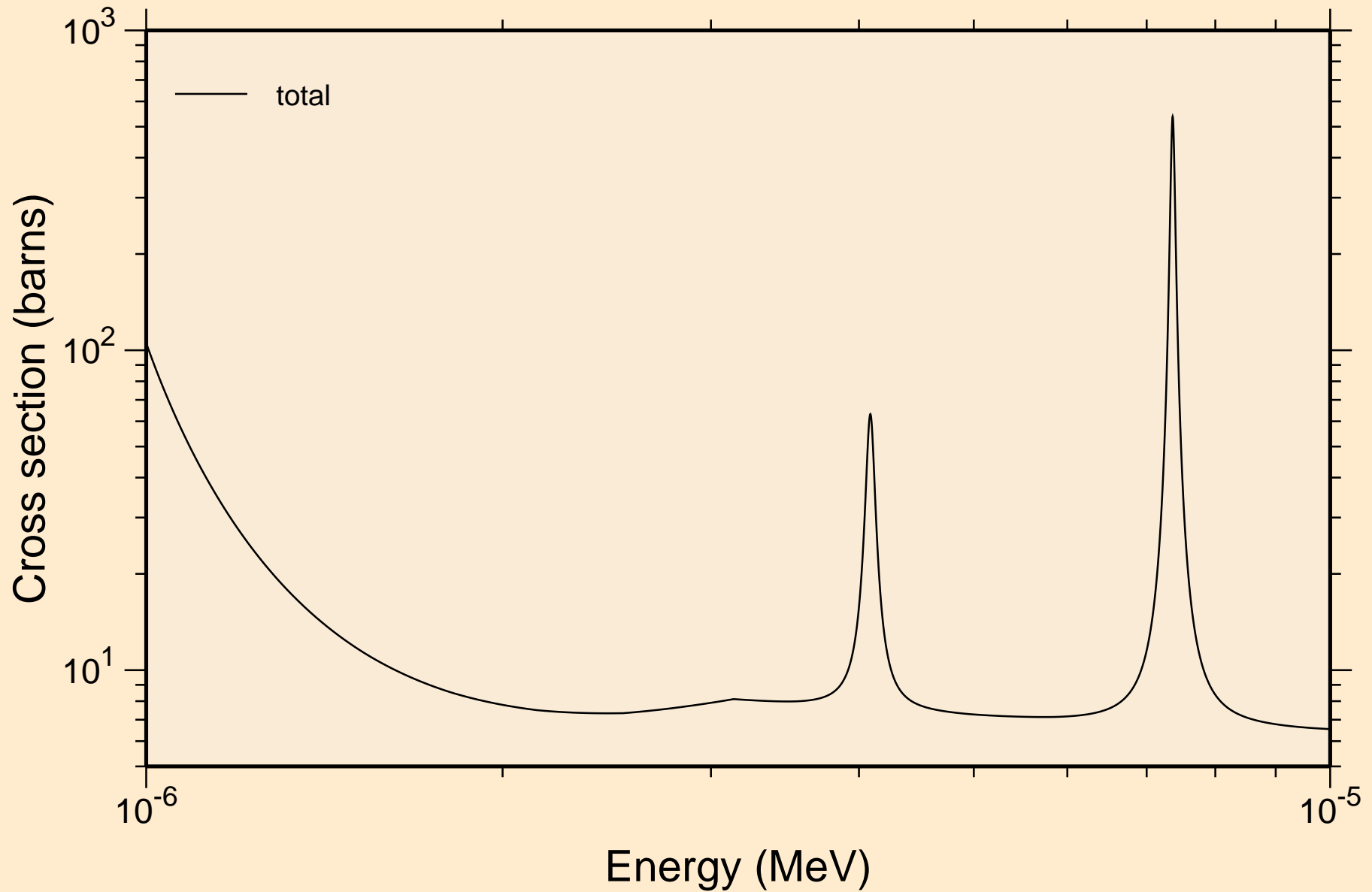
## Principal cross sections



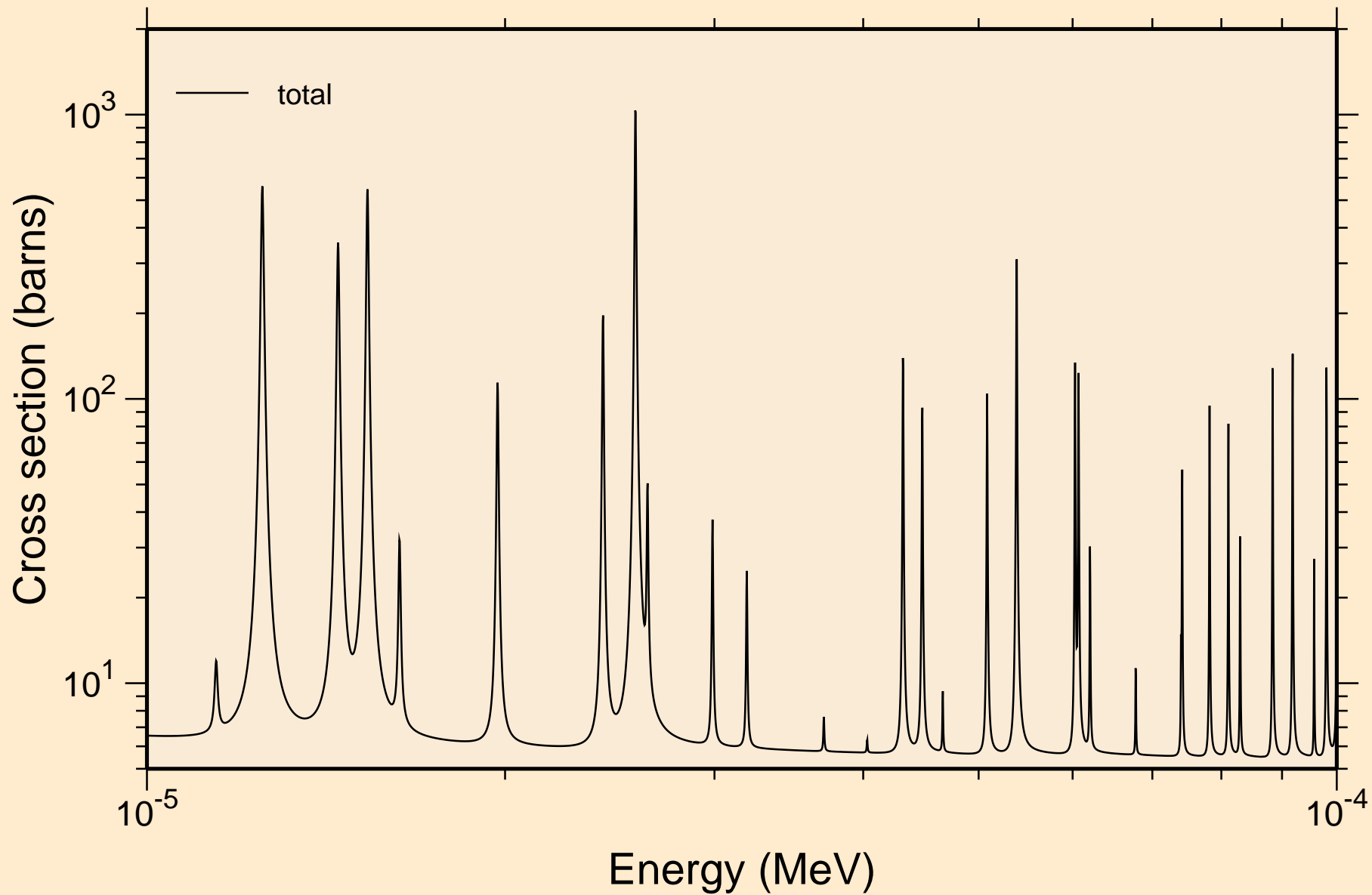
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



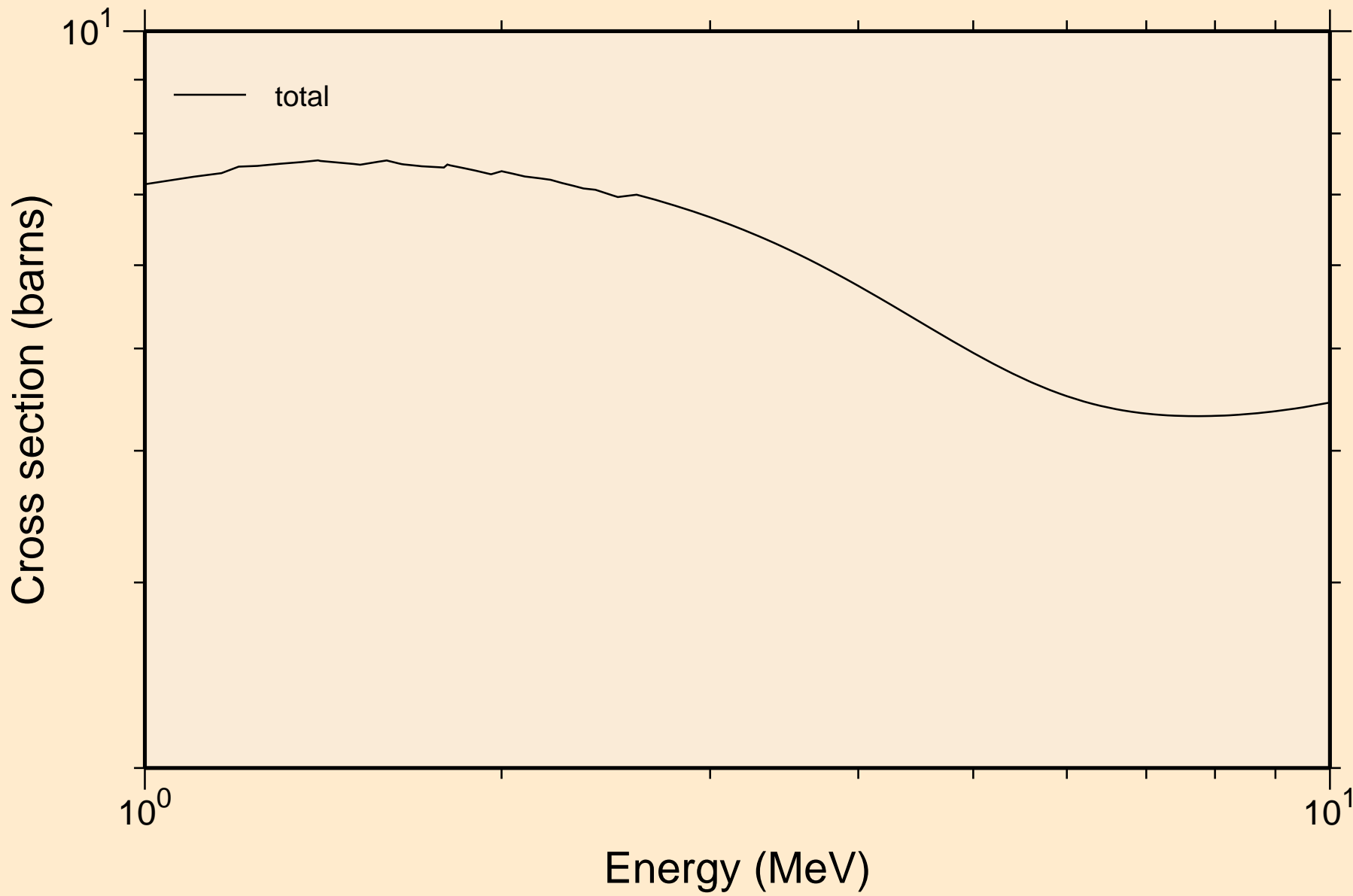
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



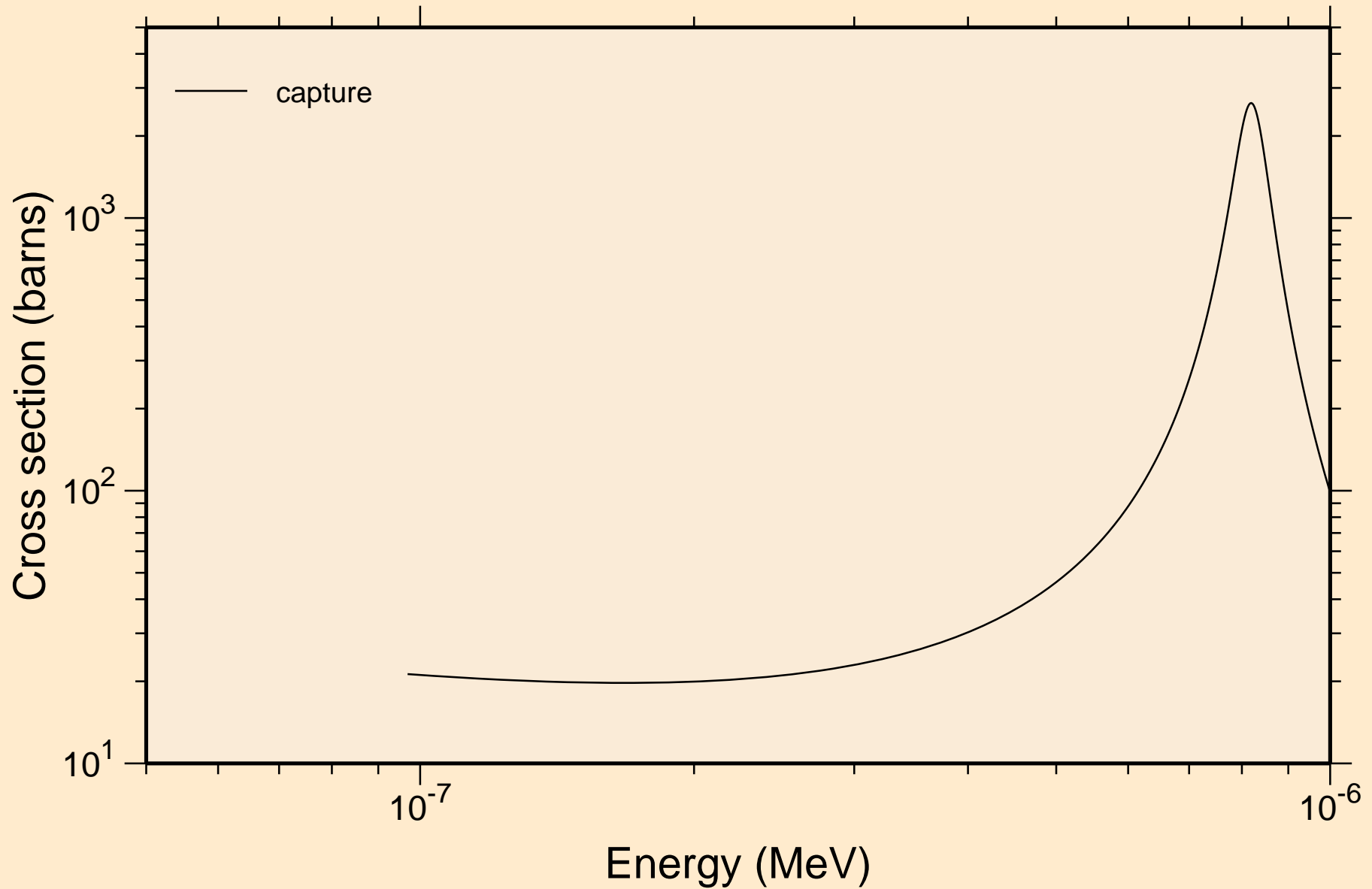
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



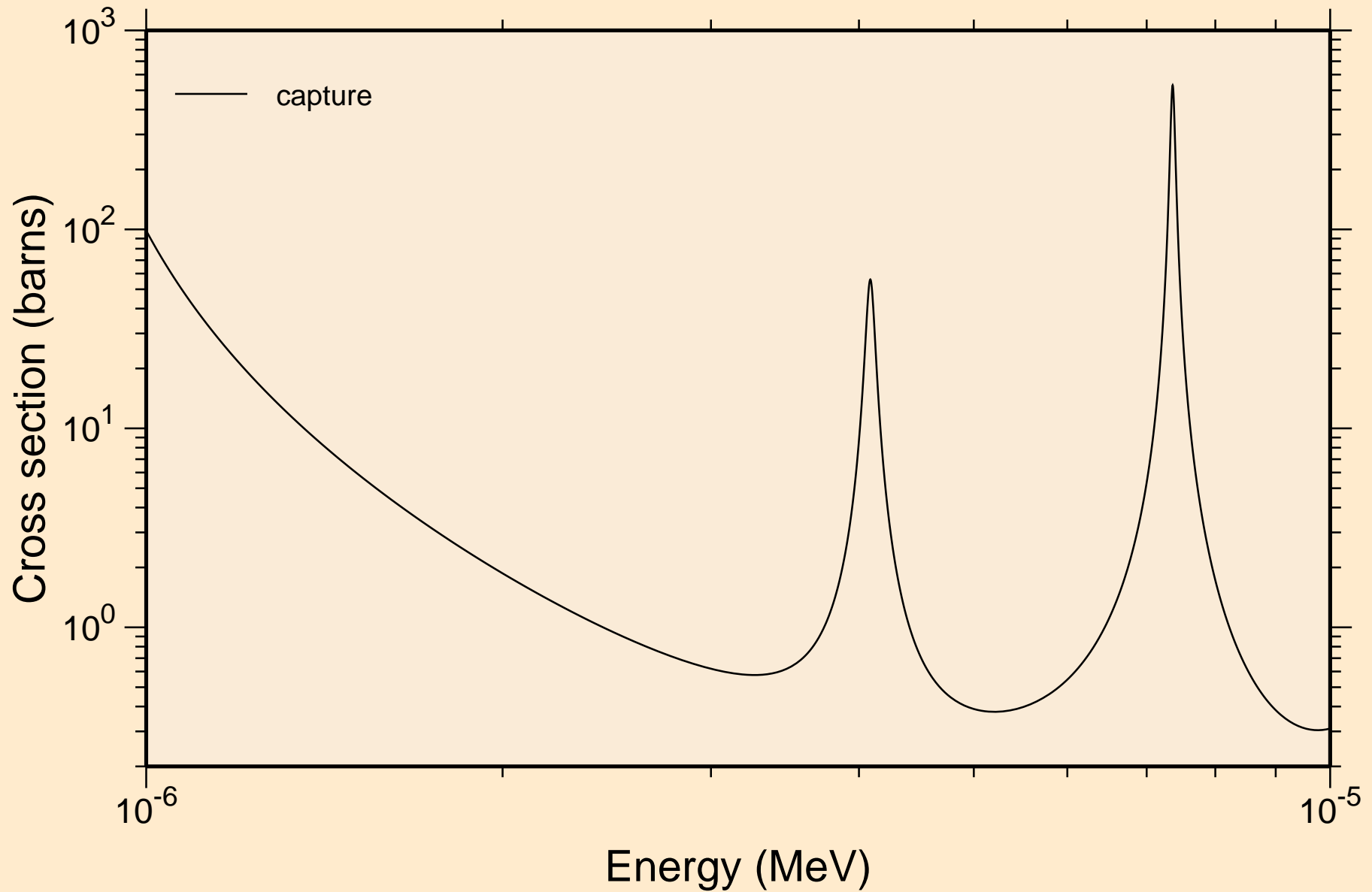
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



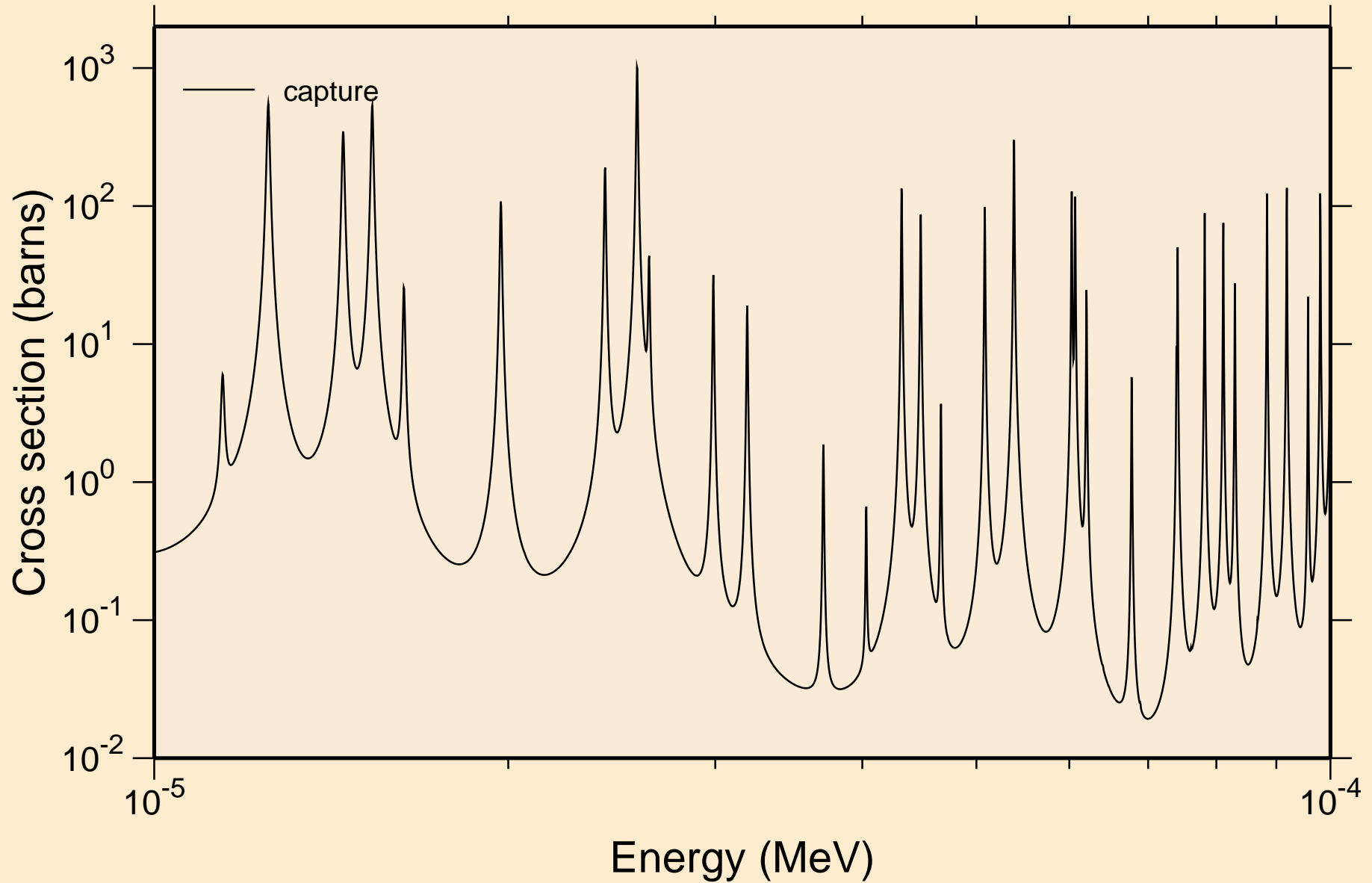
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

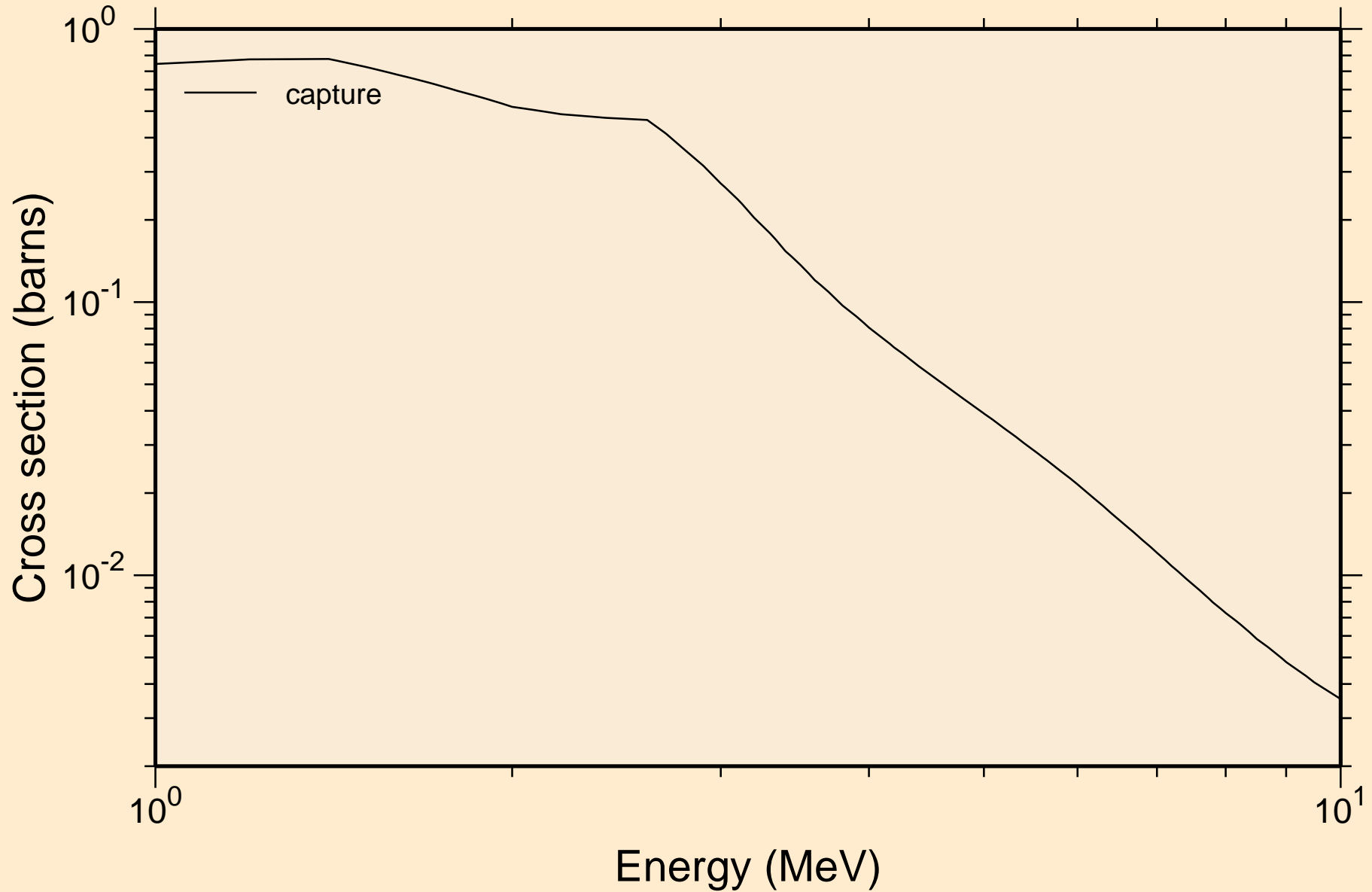


GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



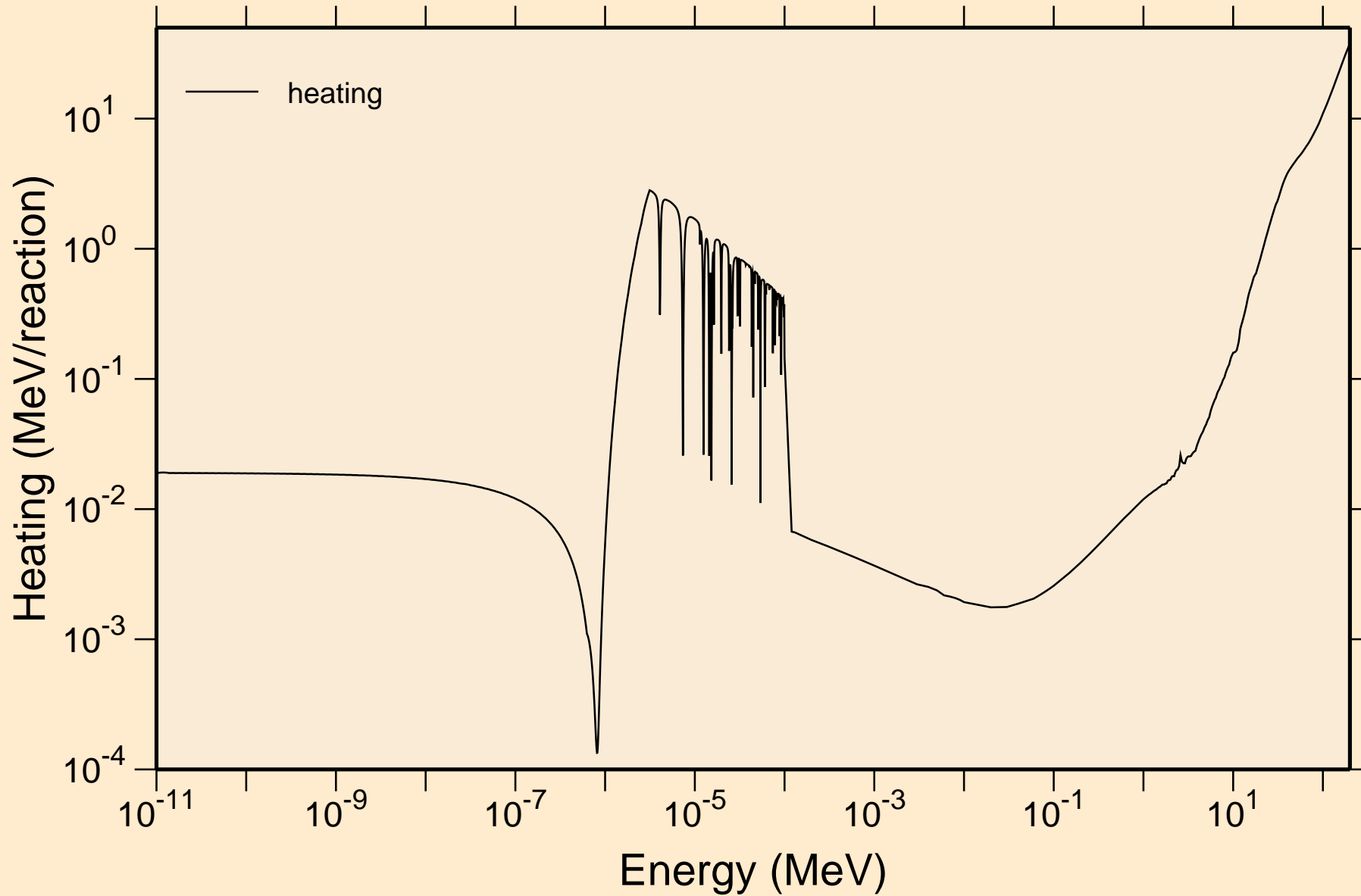


GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



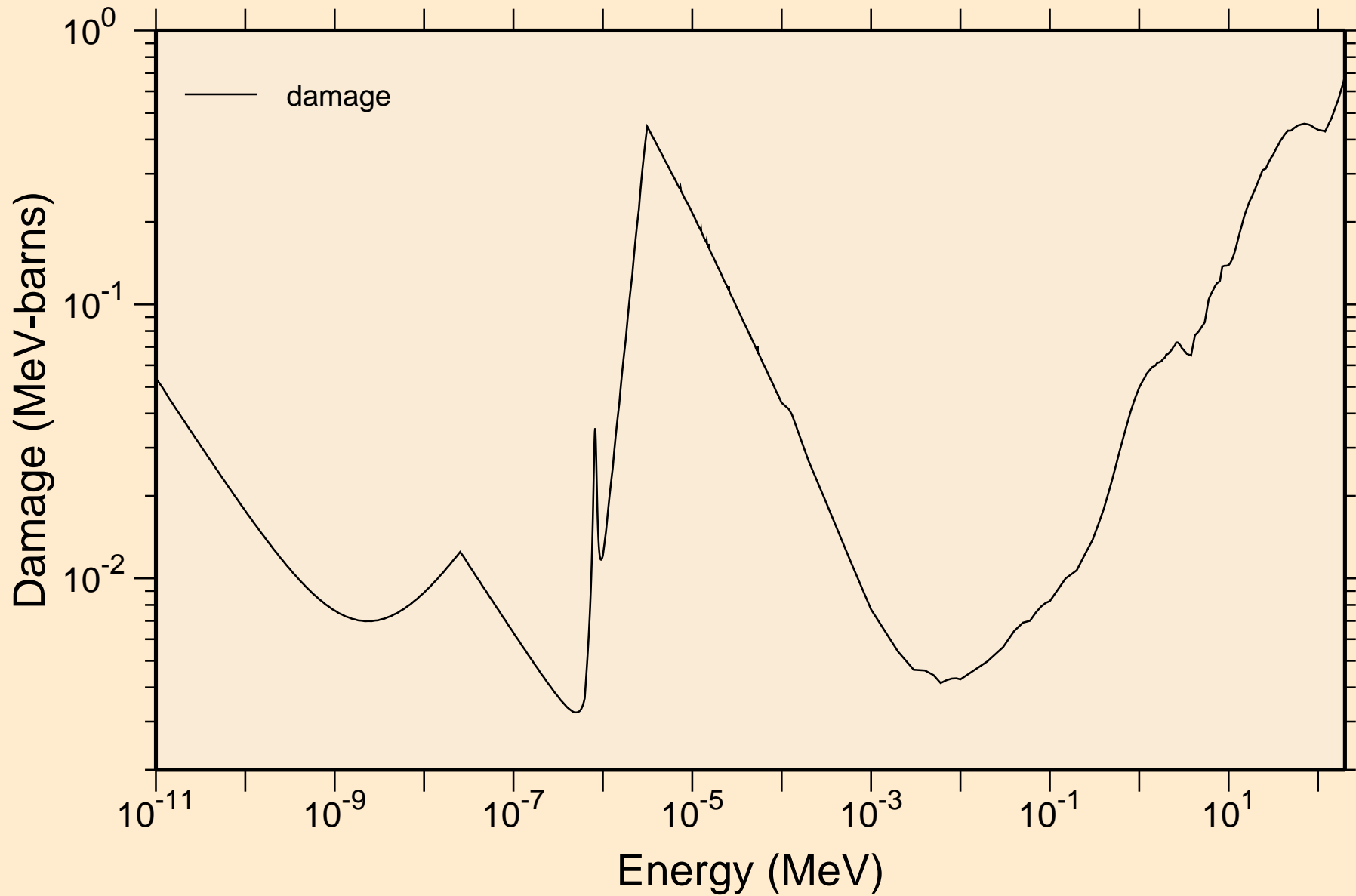
# GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



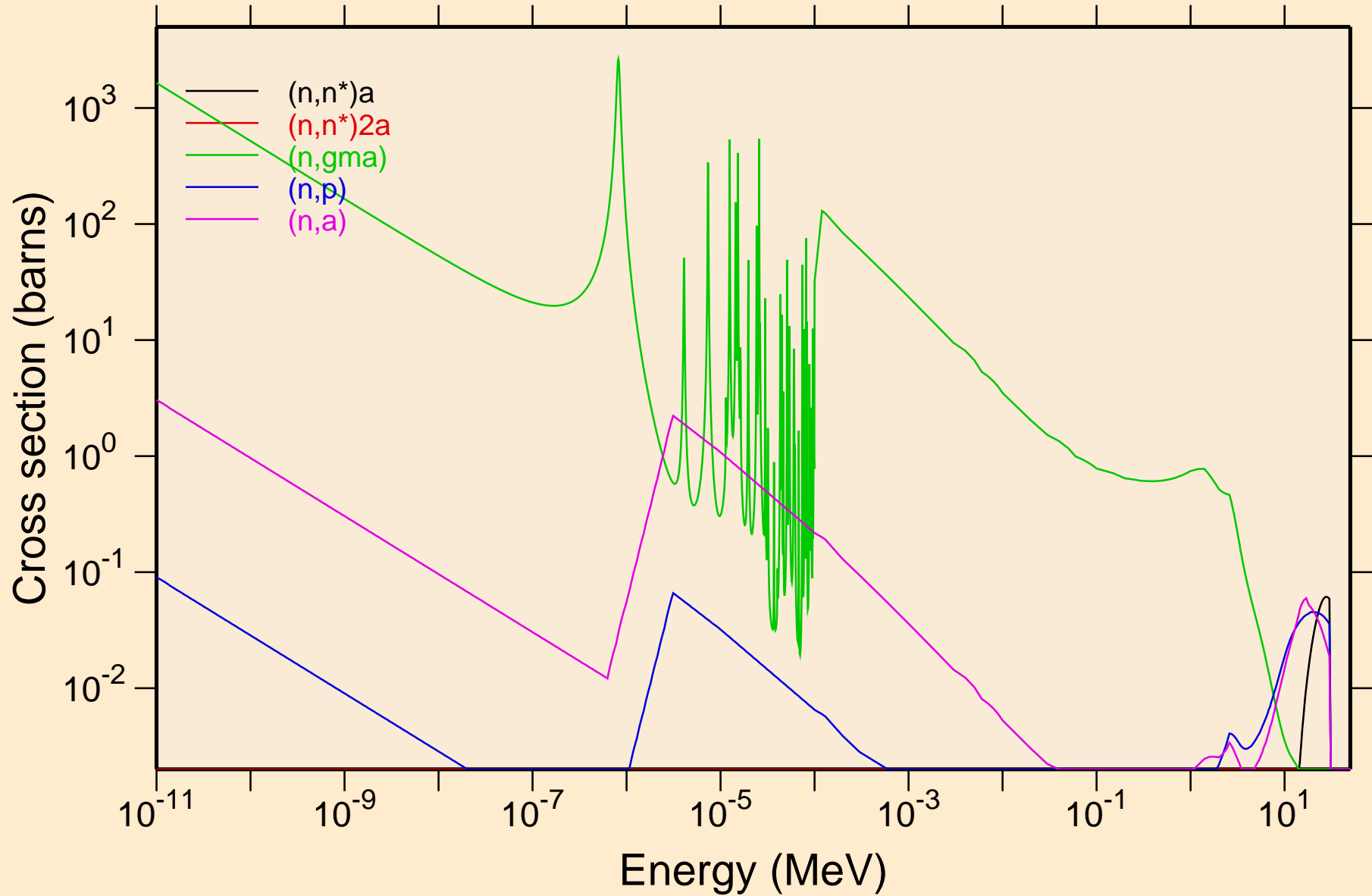
# GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage

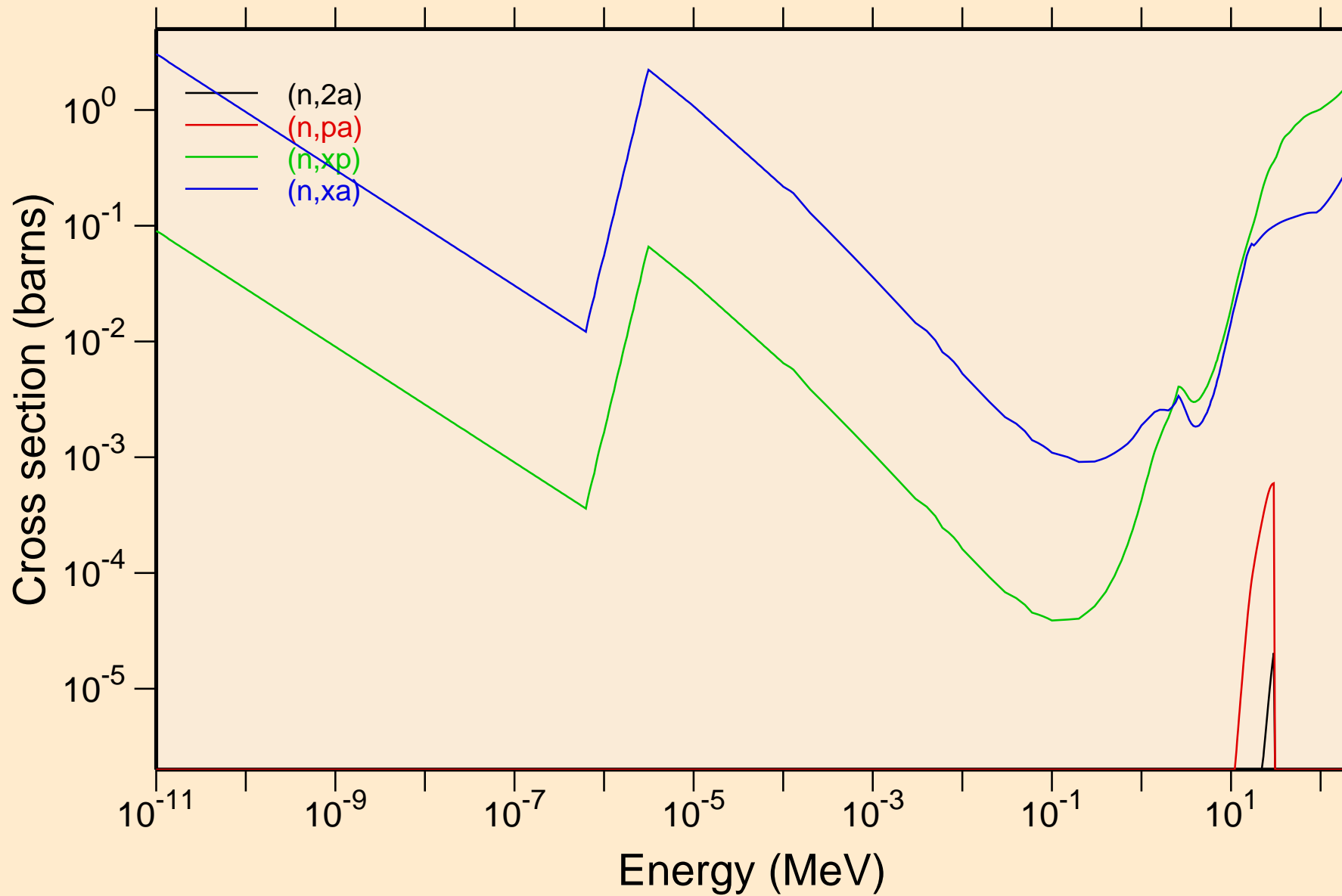


# GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

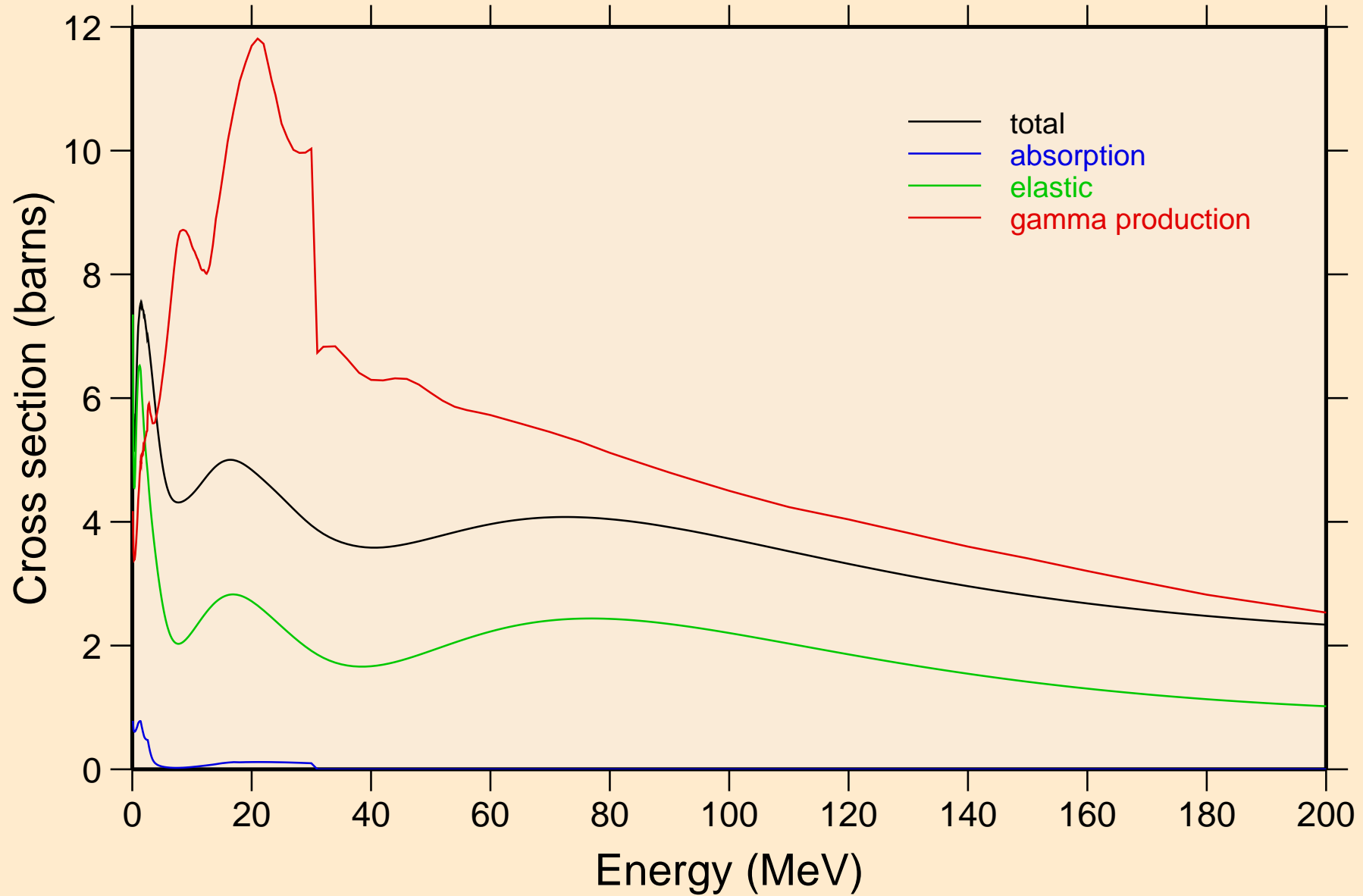


GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



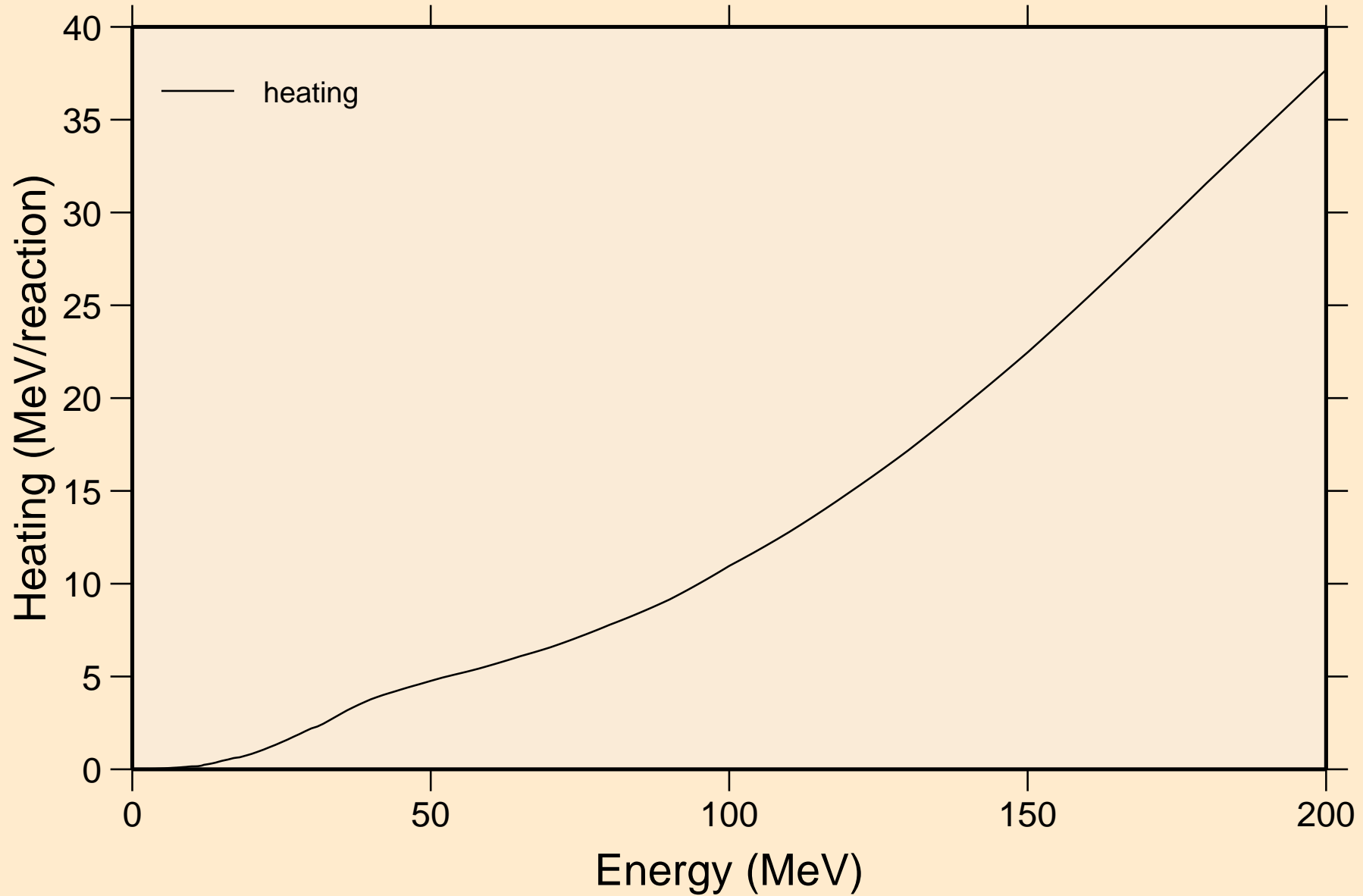
# GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



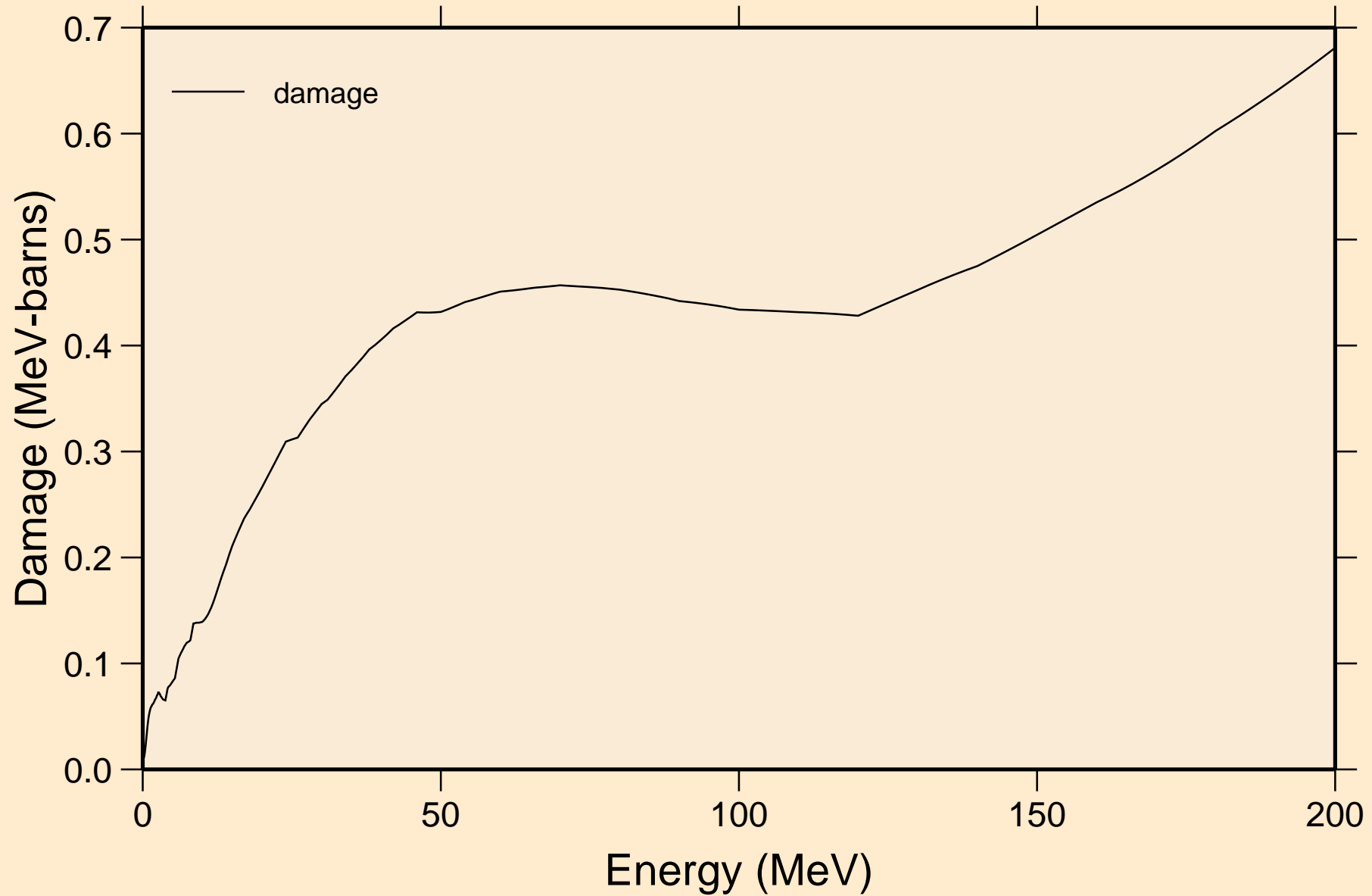
# GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



# GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

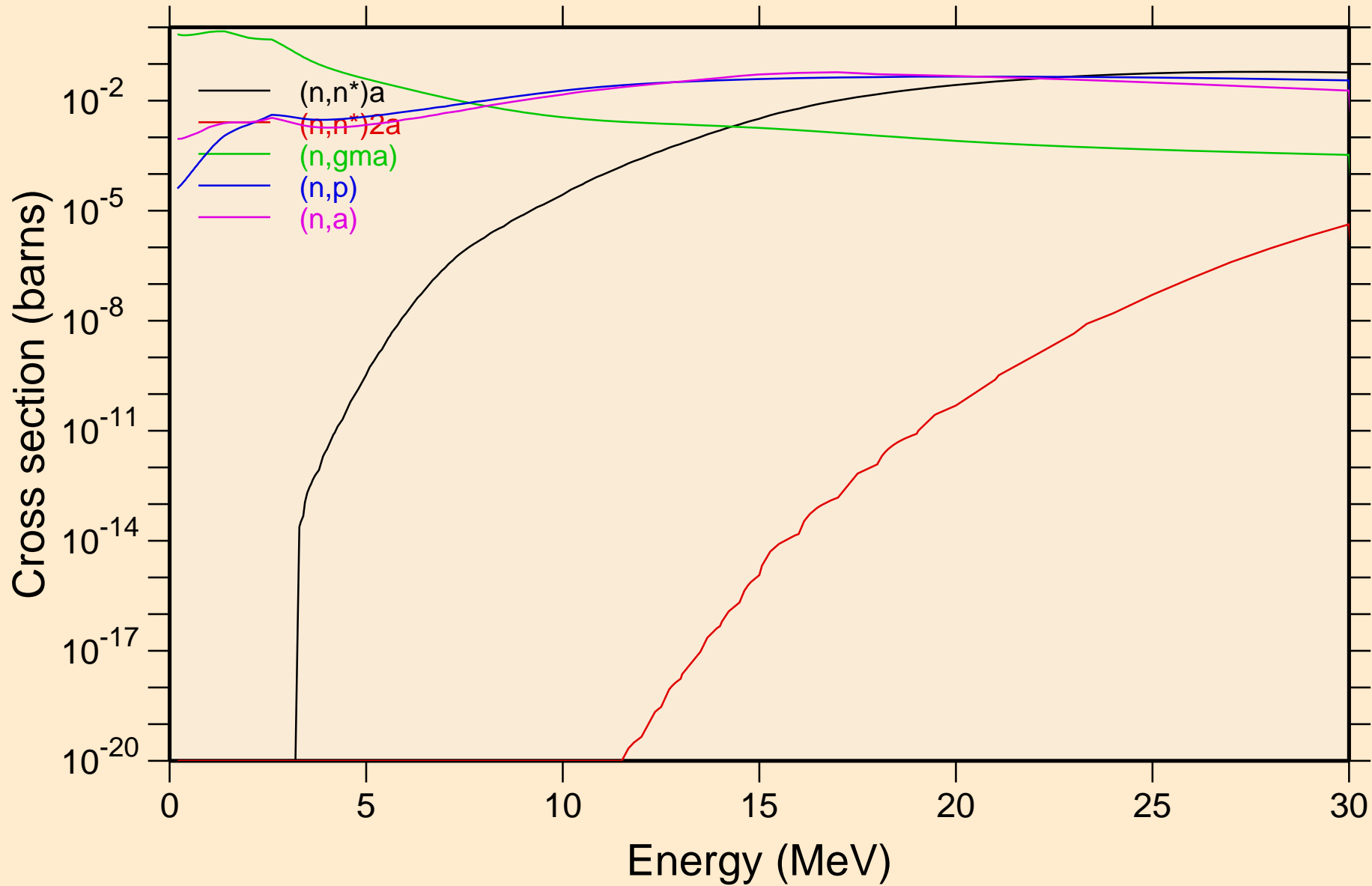
## Damage





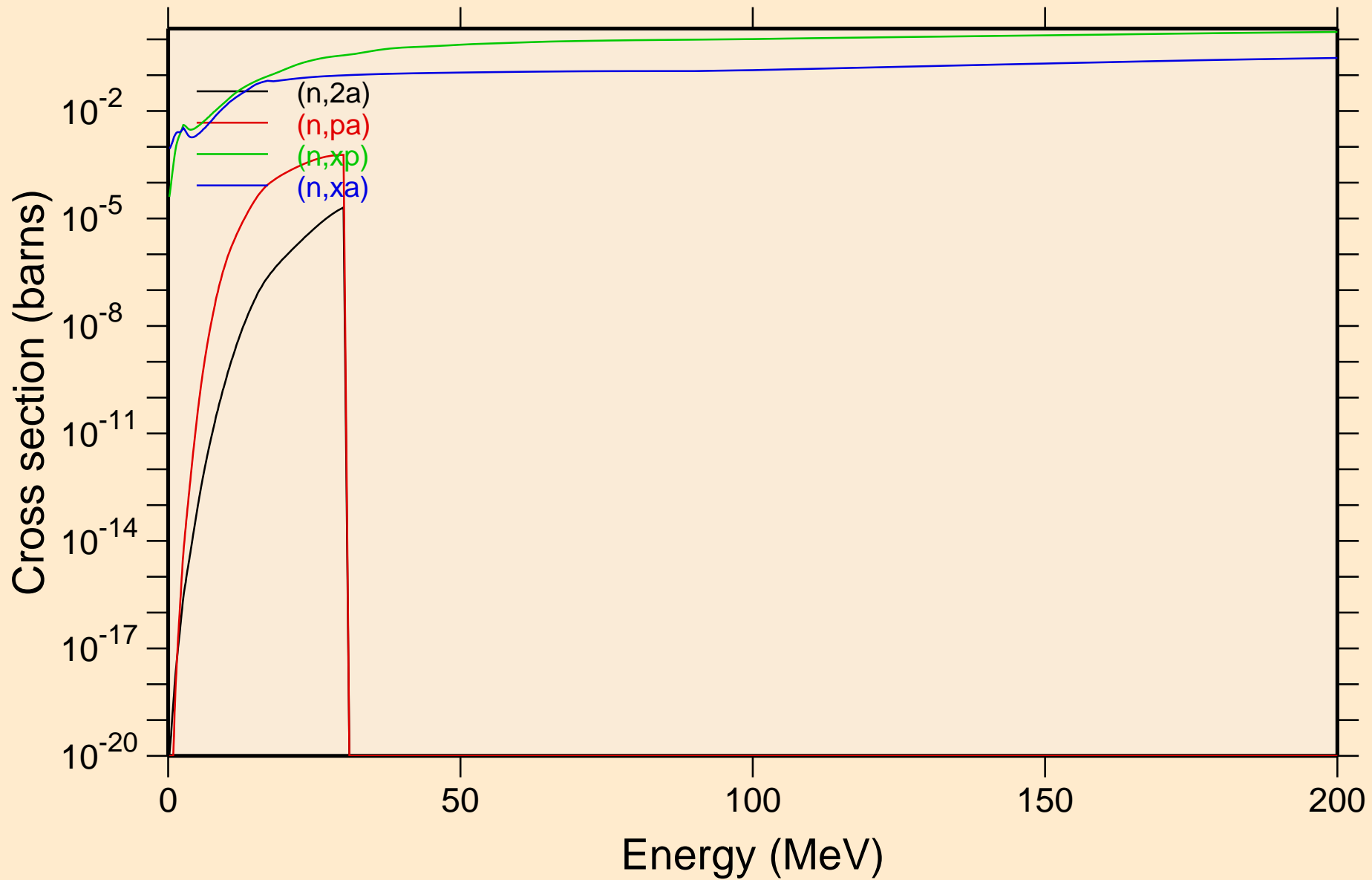
# GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

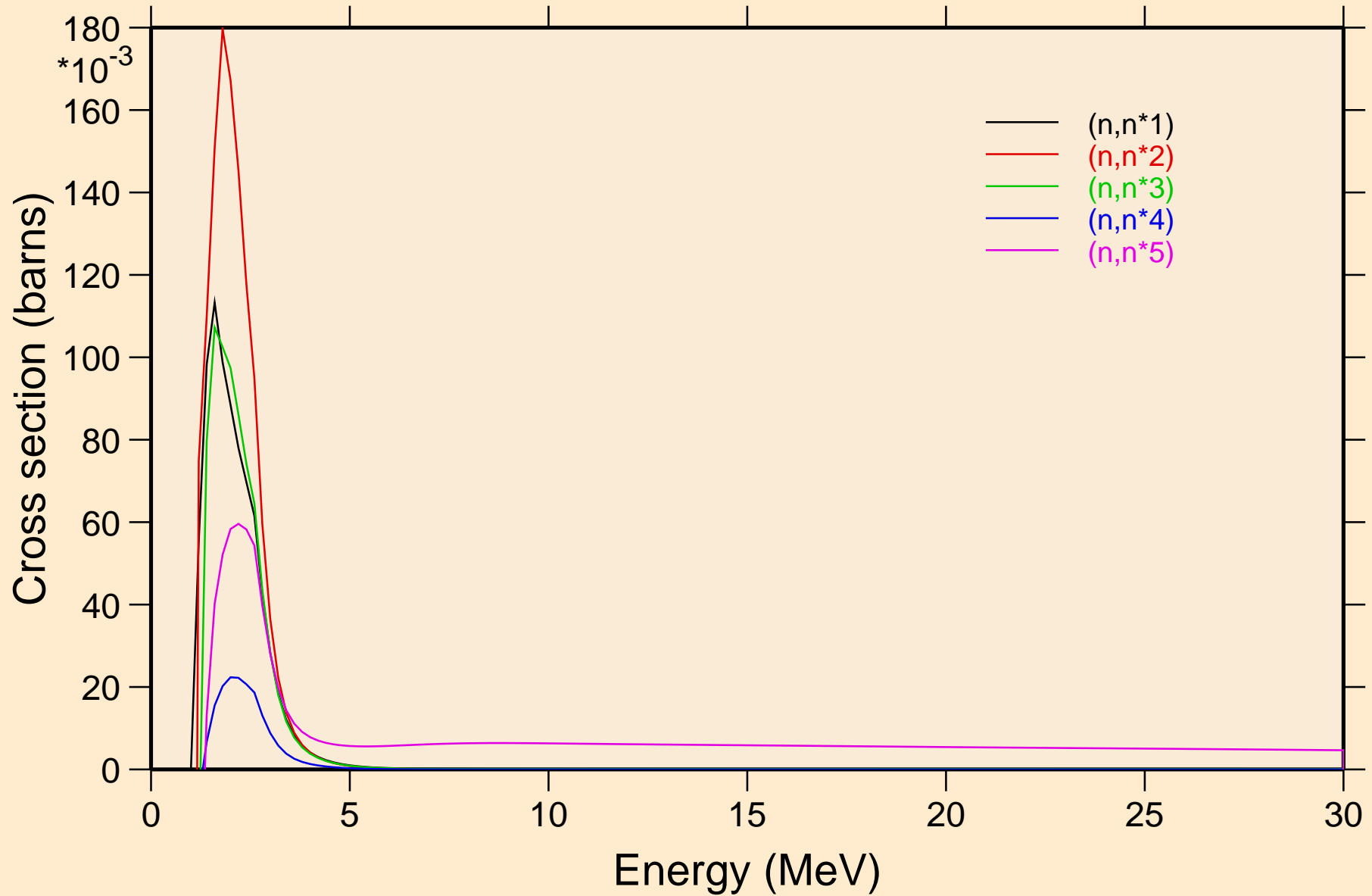


# GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

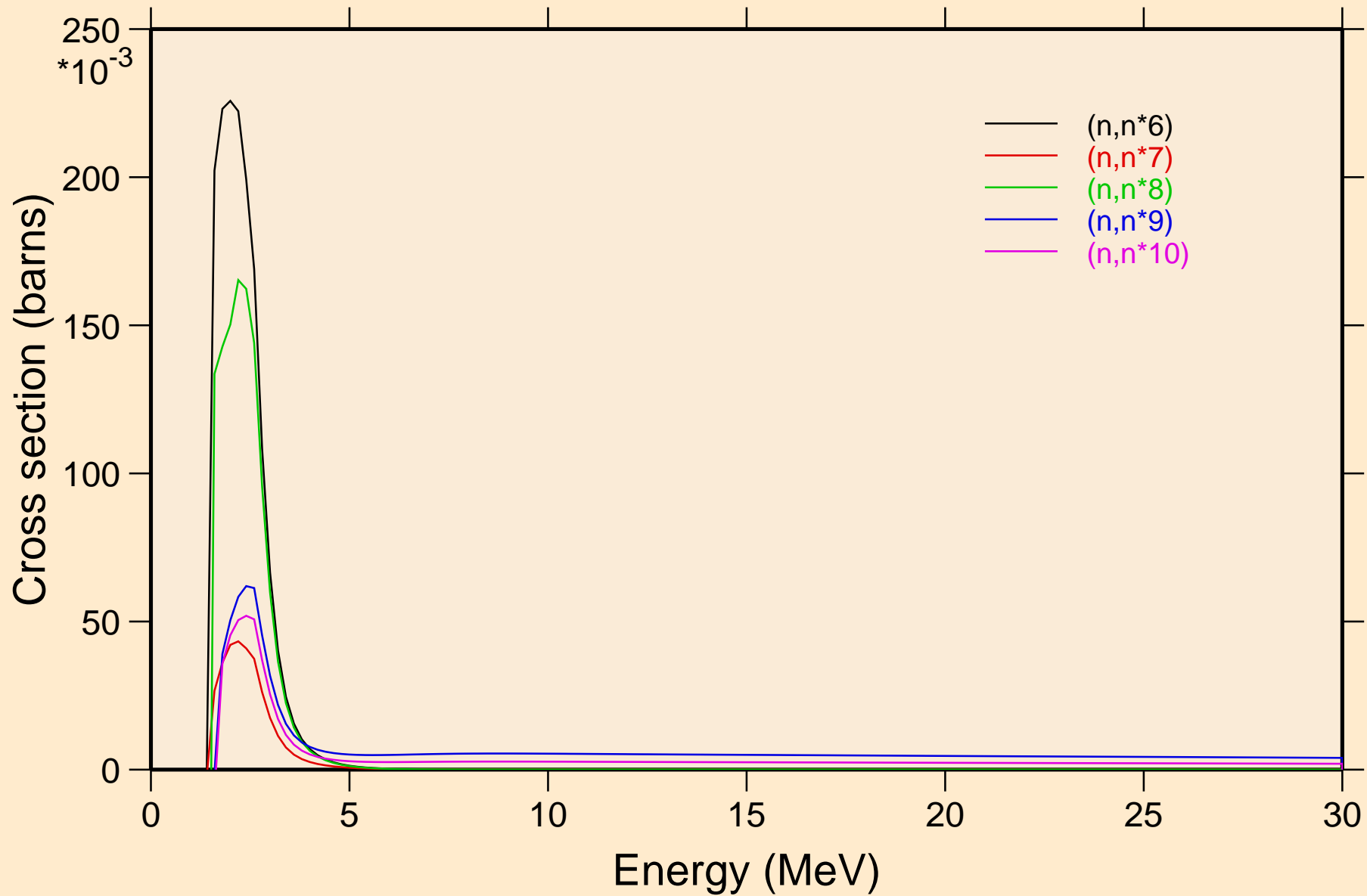


GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



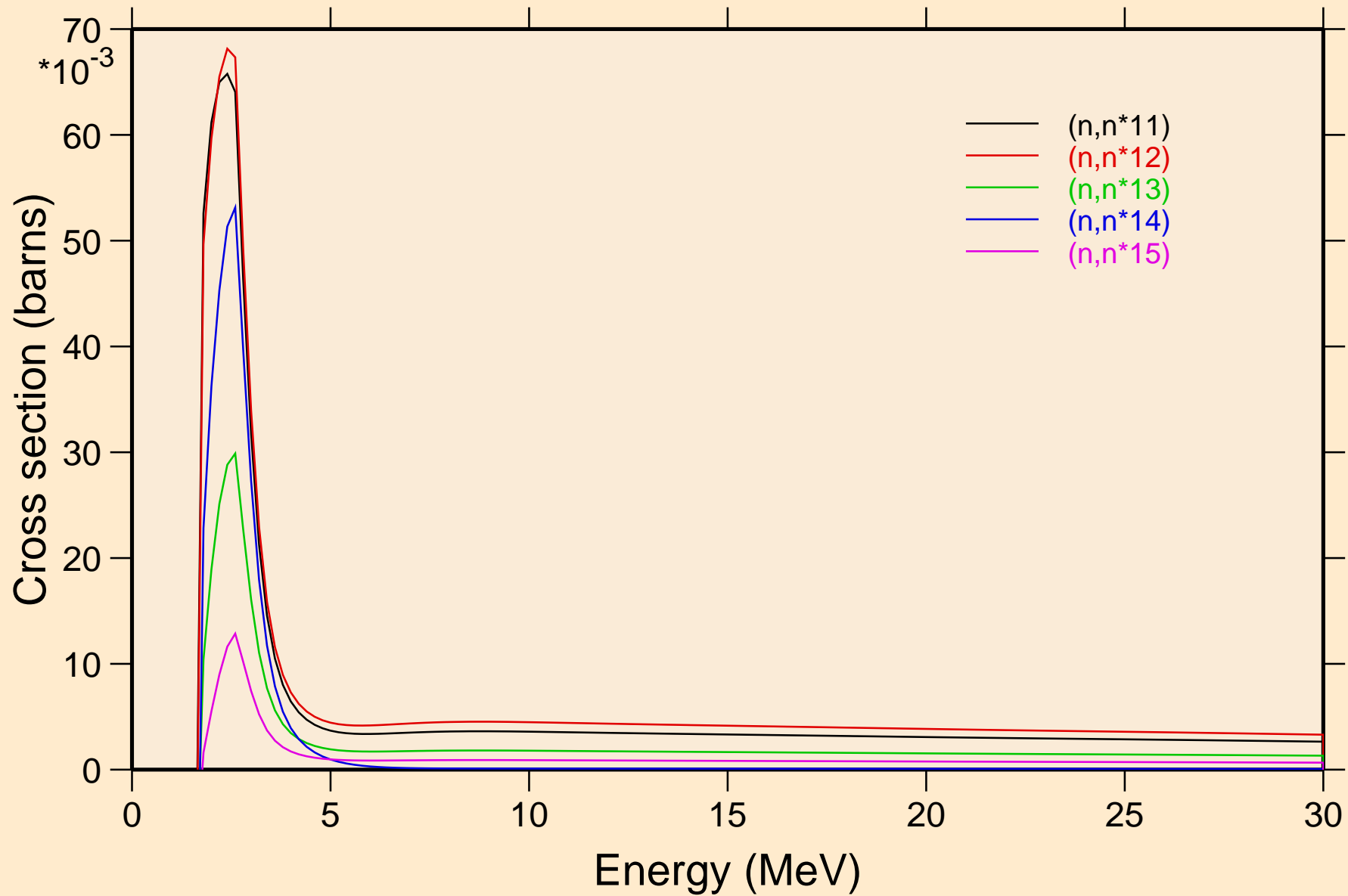
# GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels

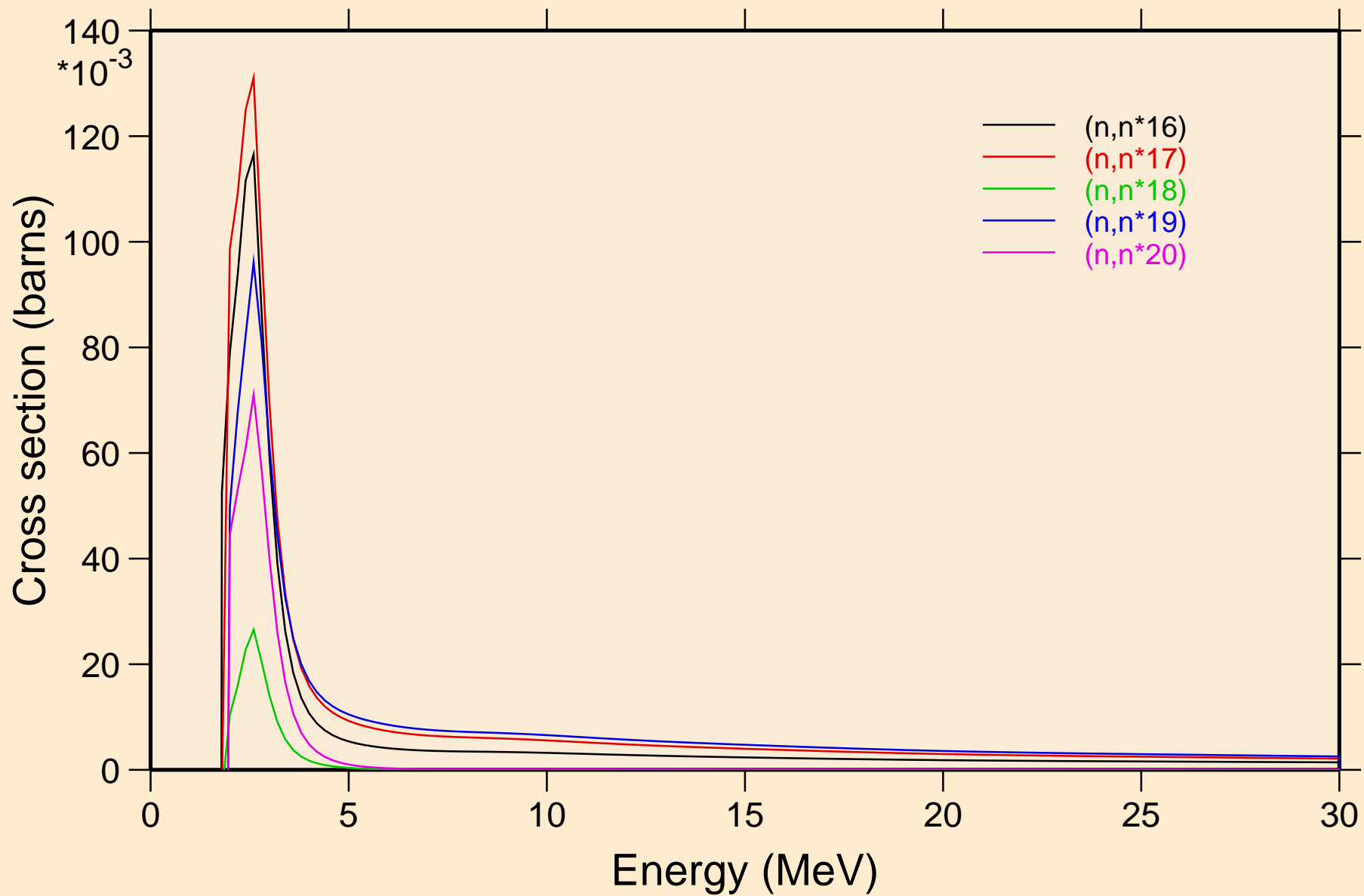


# GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels

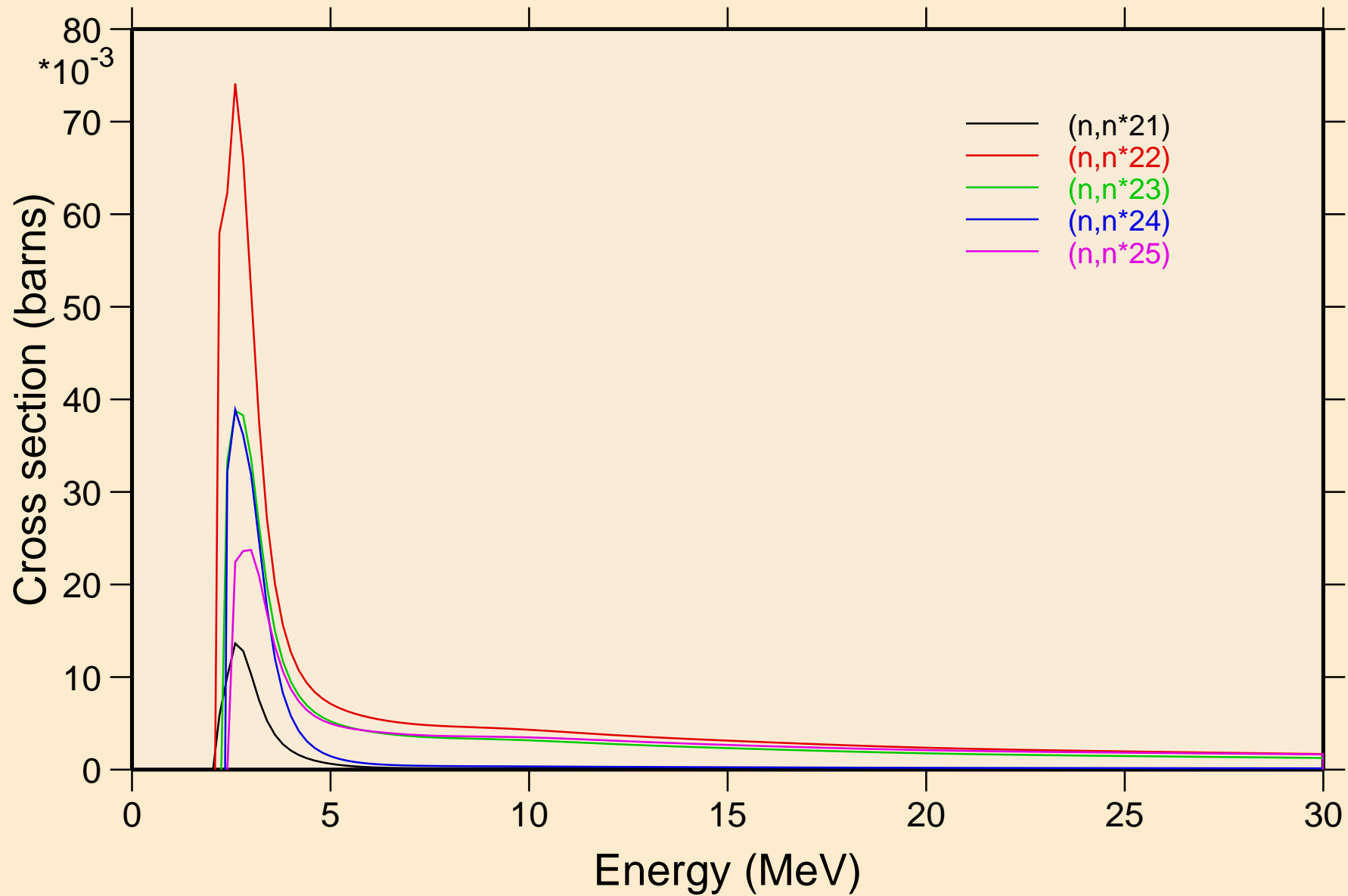


GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

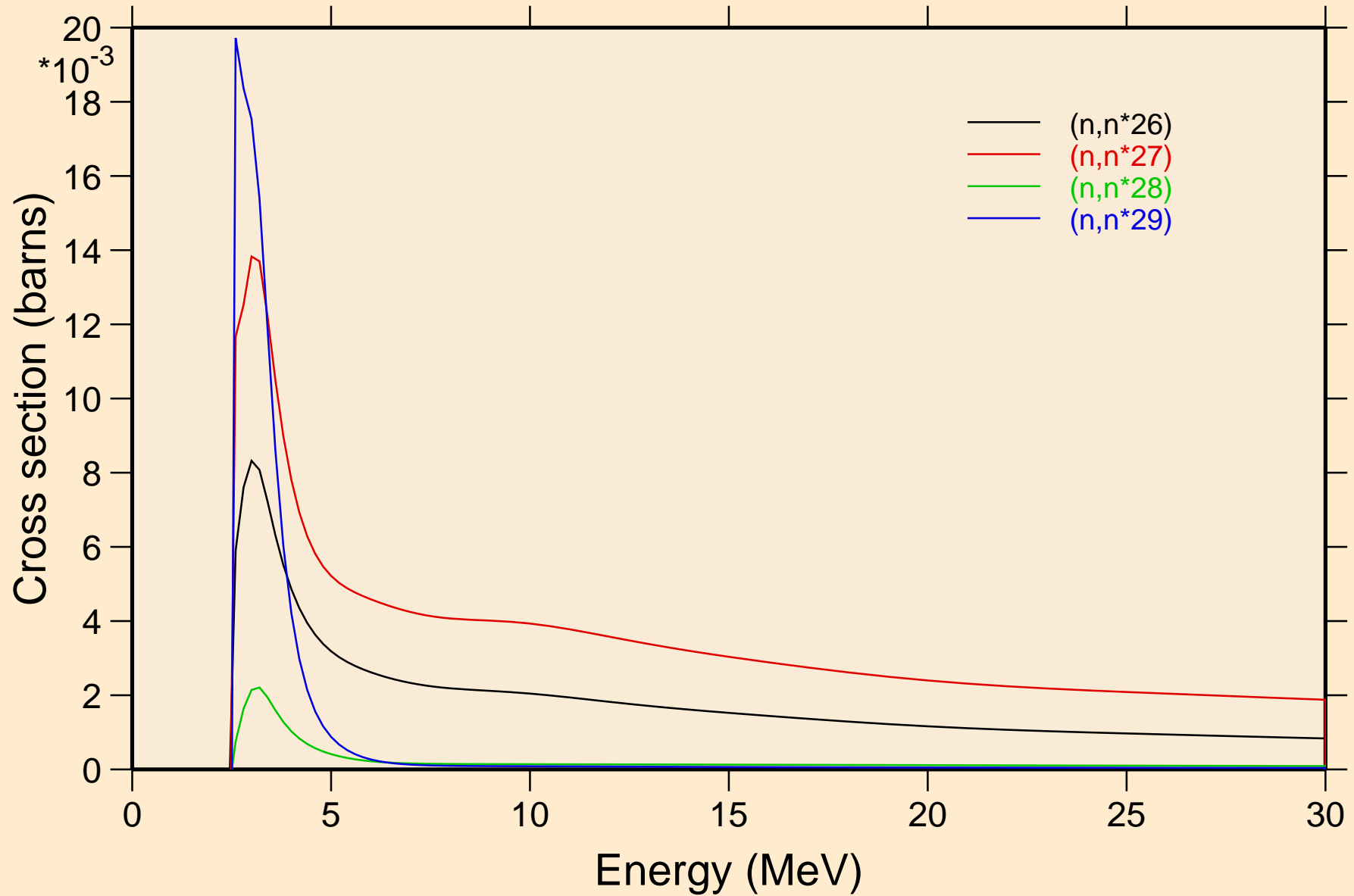


# GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels



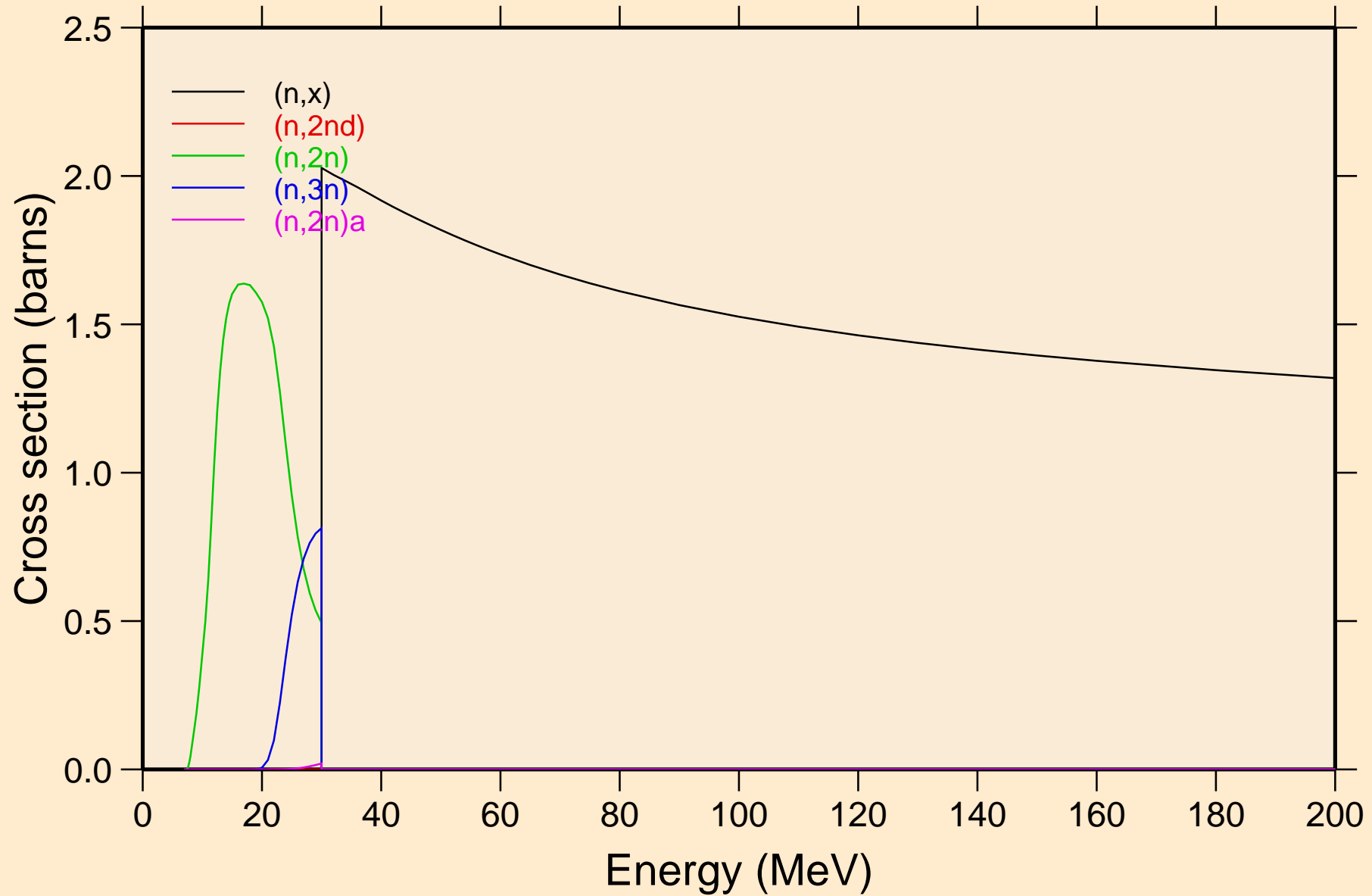
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels





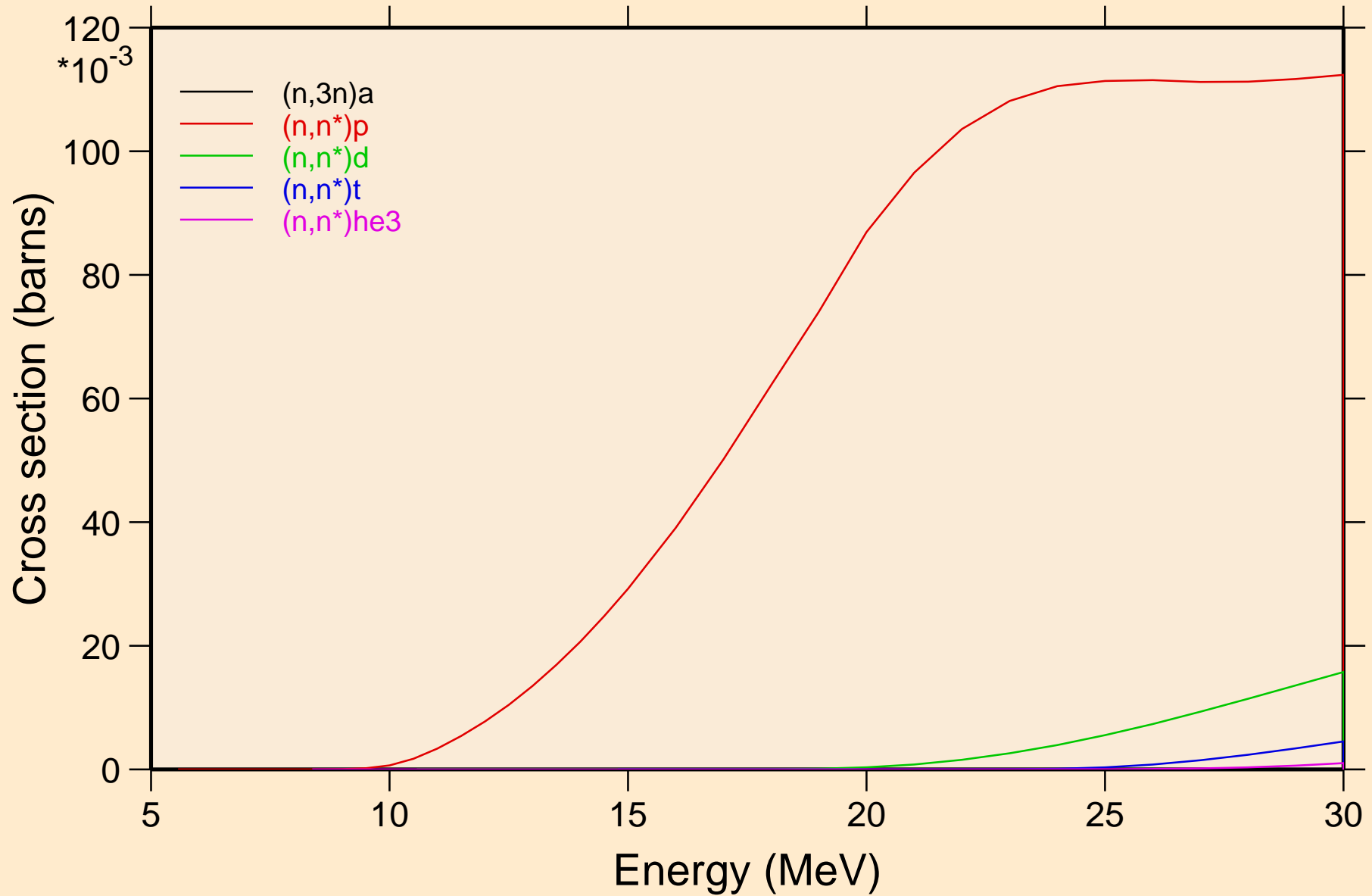
# GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



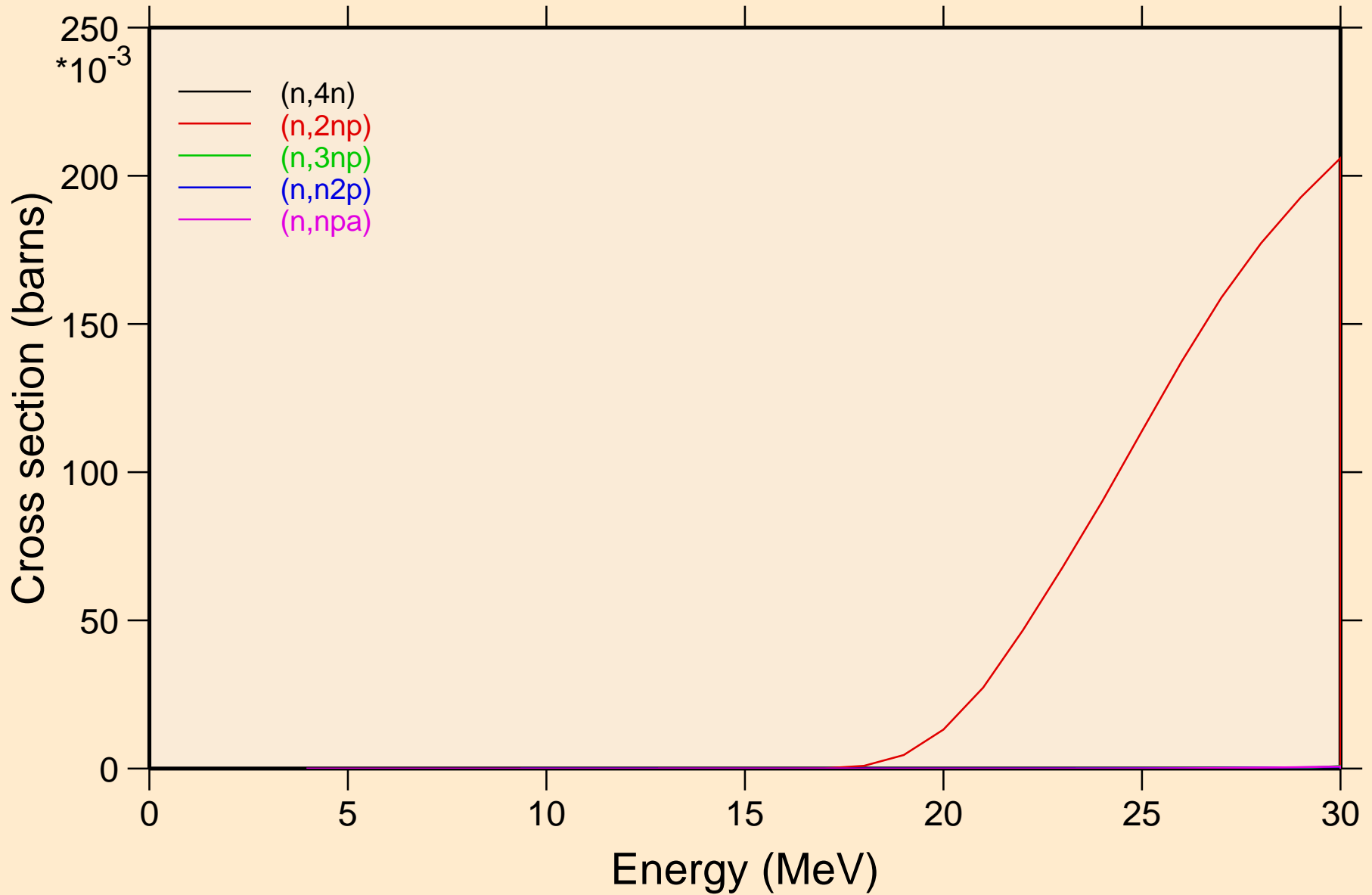
# GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



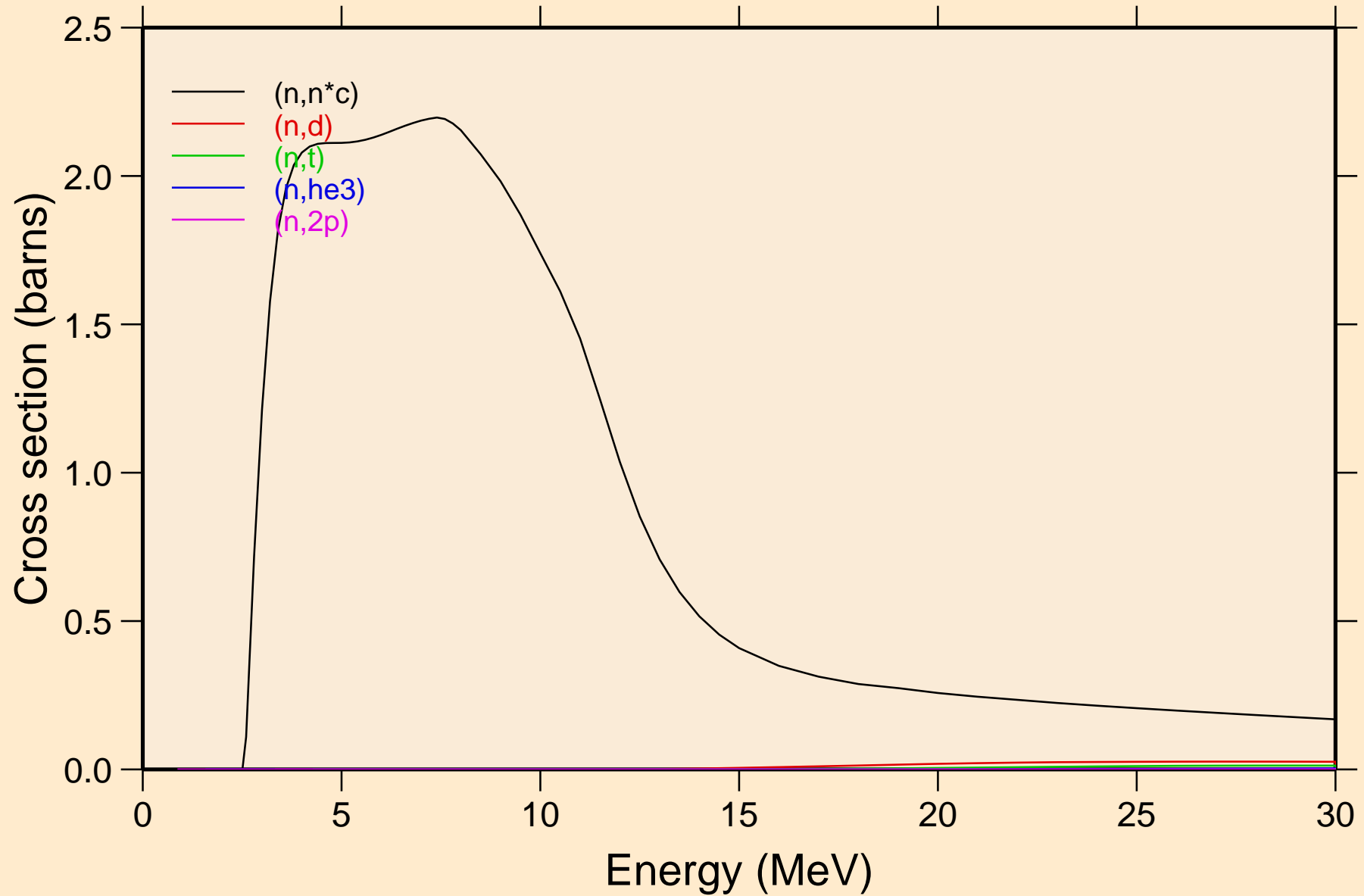
# GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



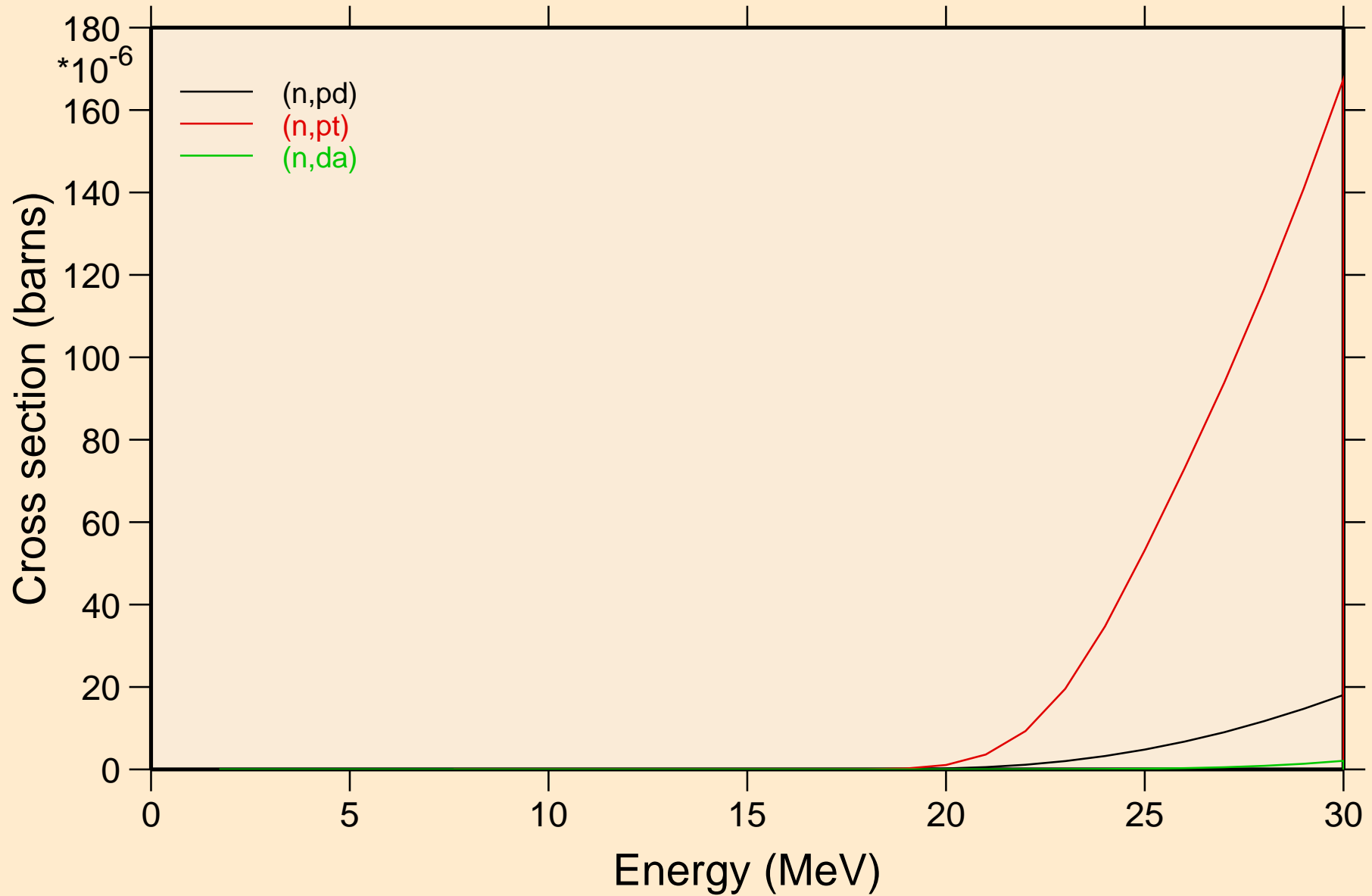
# GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



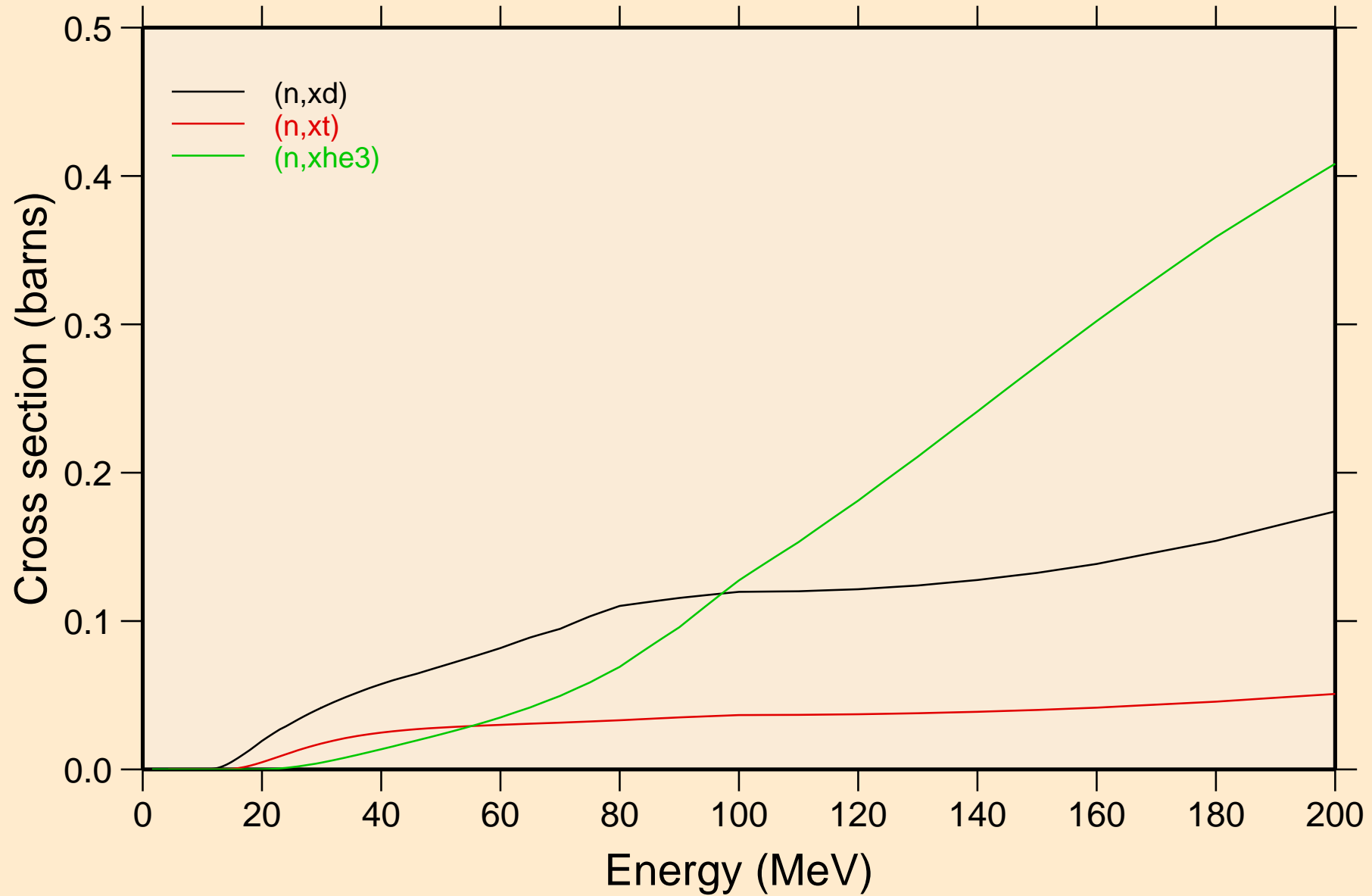
# GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

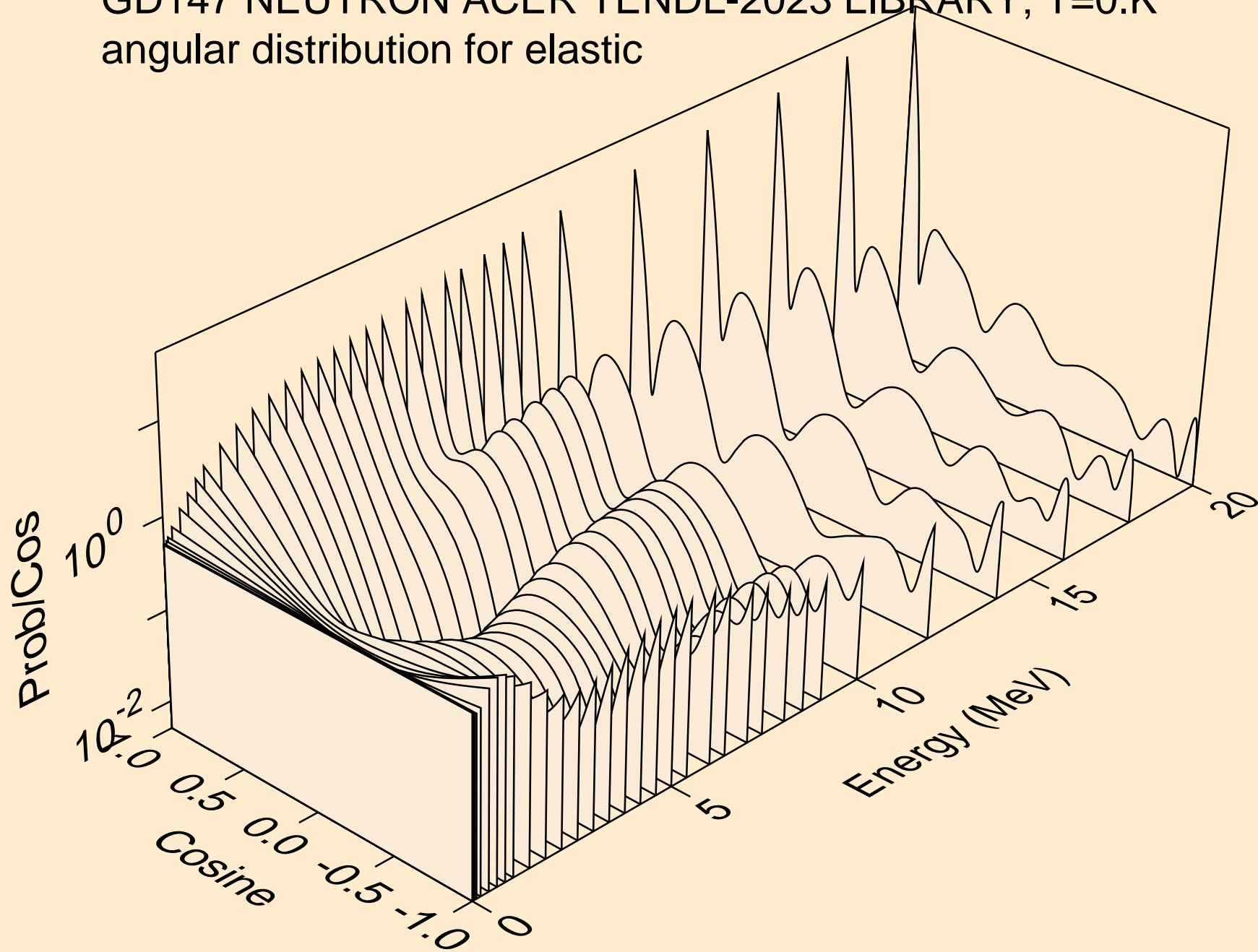


# GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

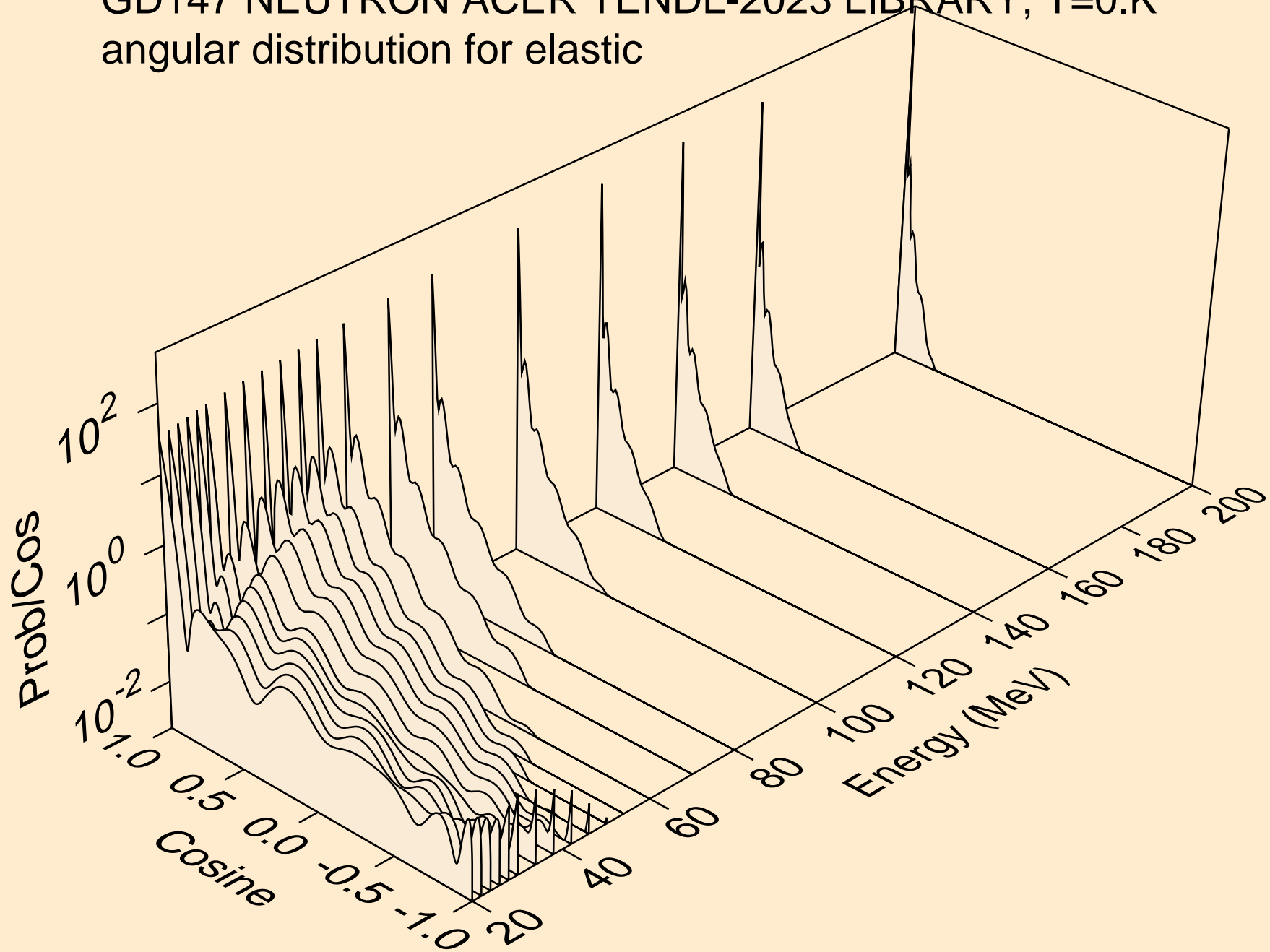
## Threshold reactions



GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

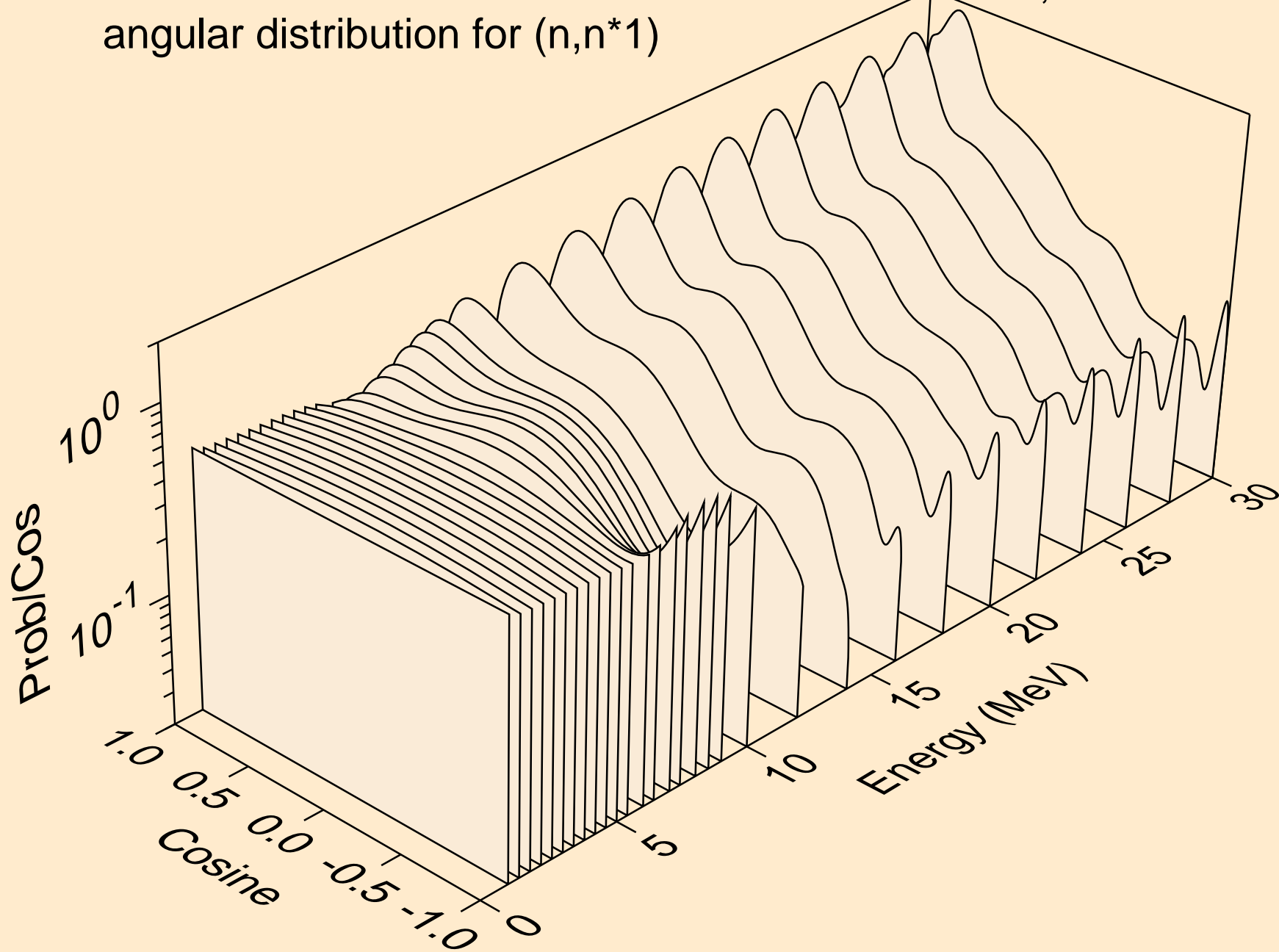


GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

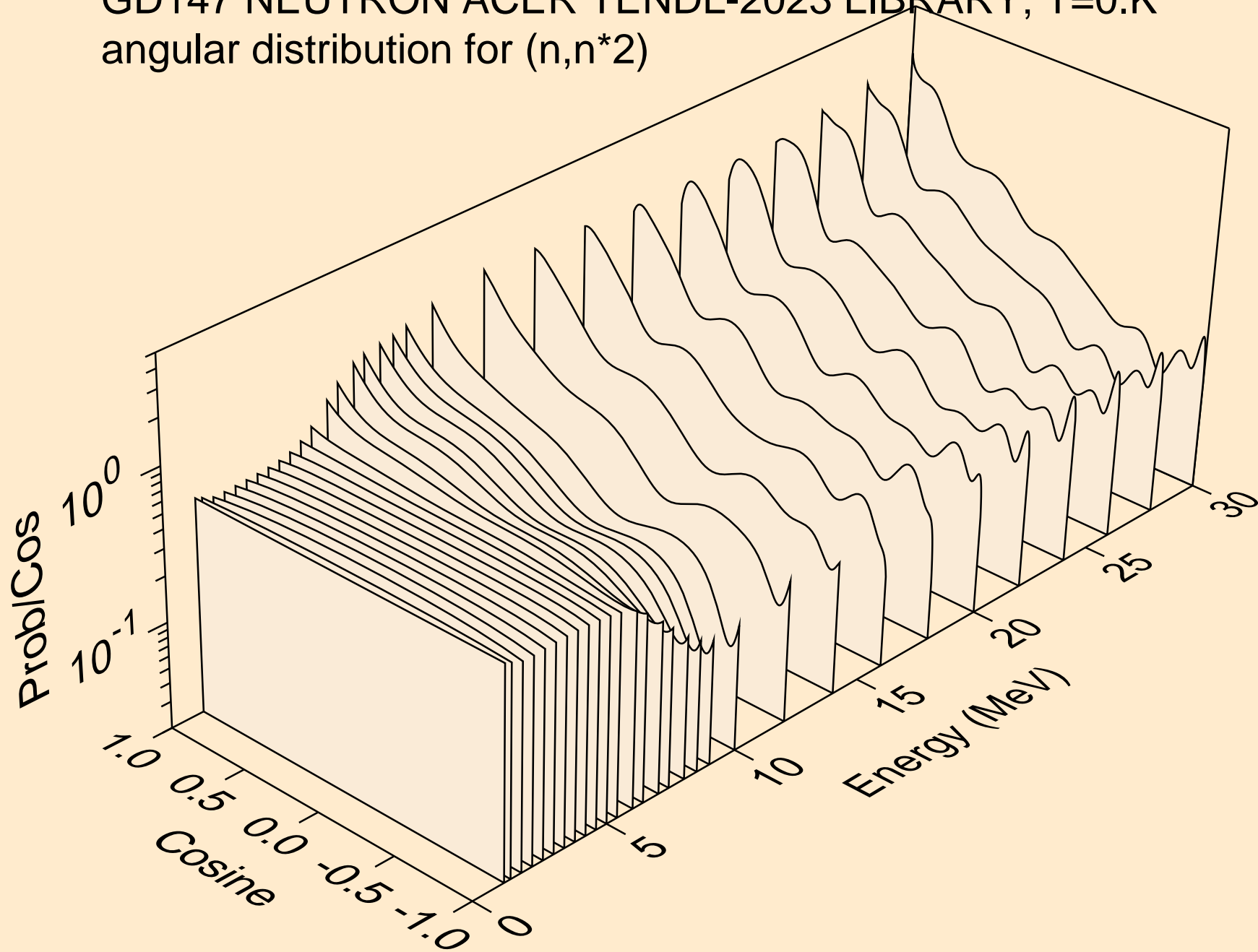




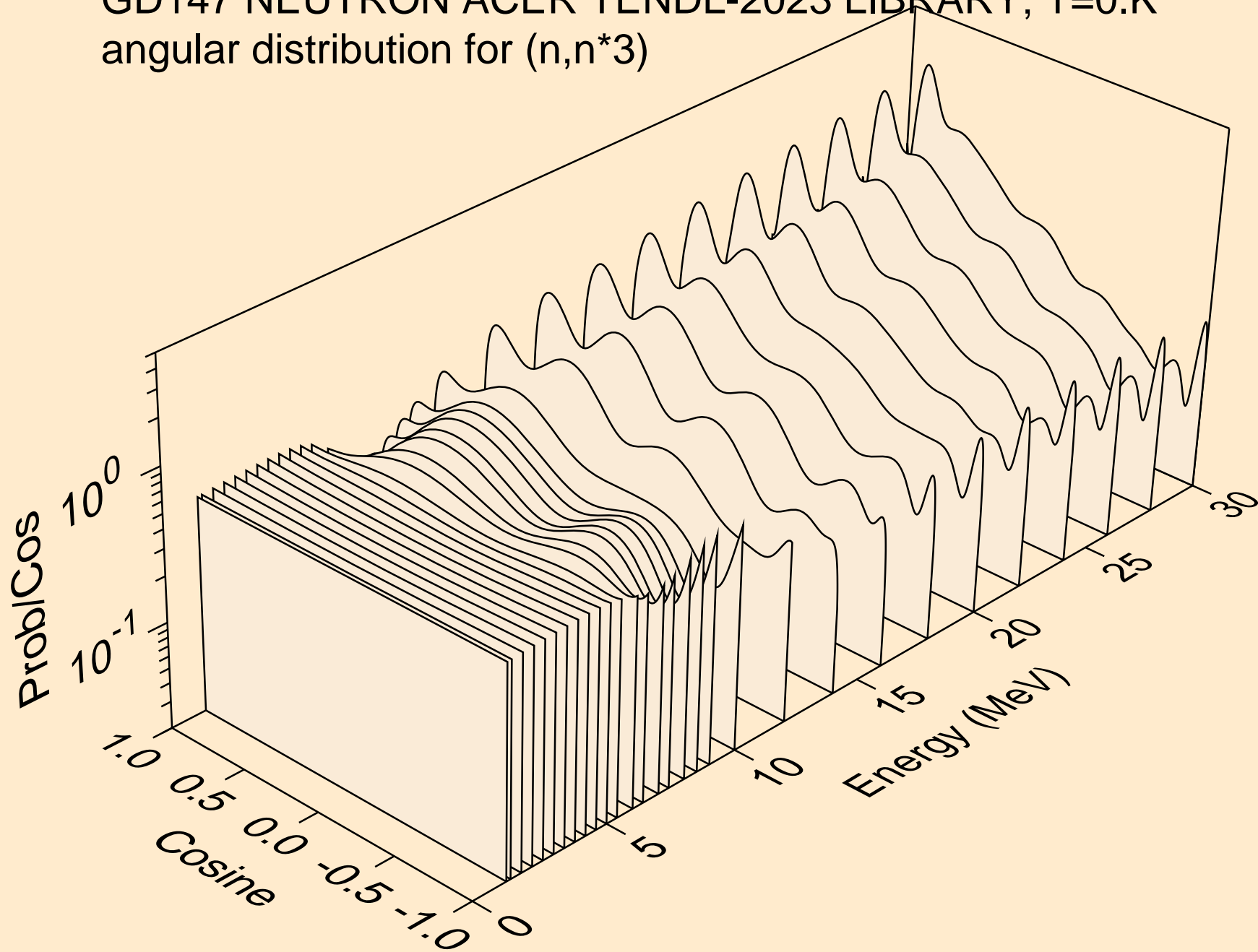
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



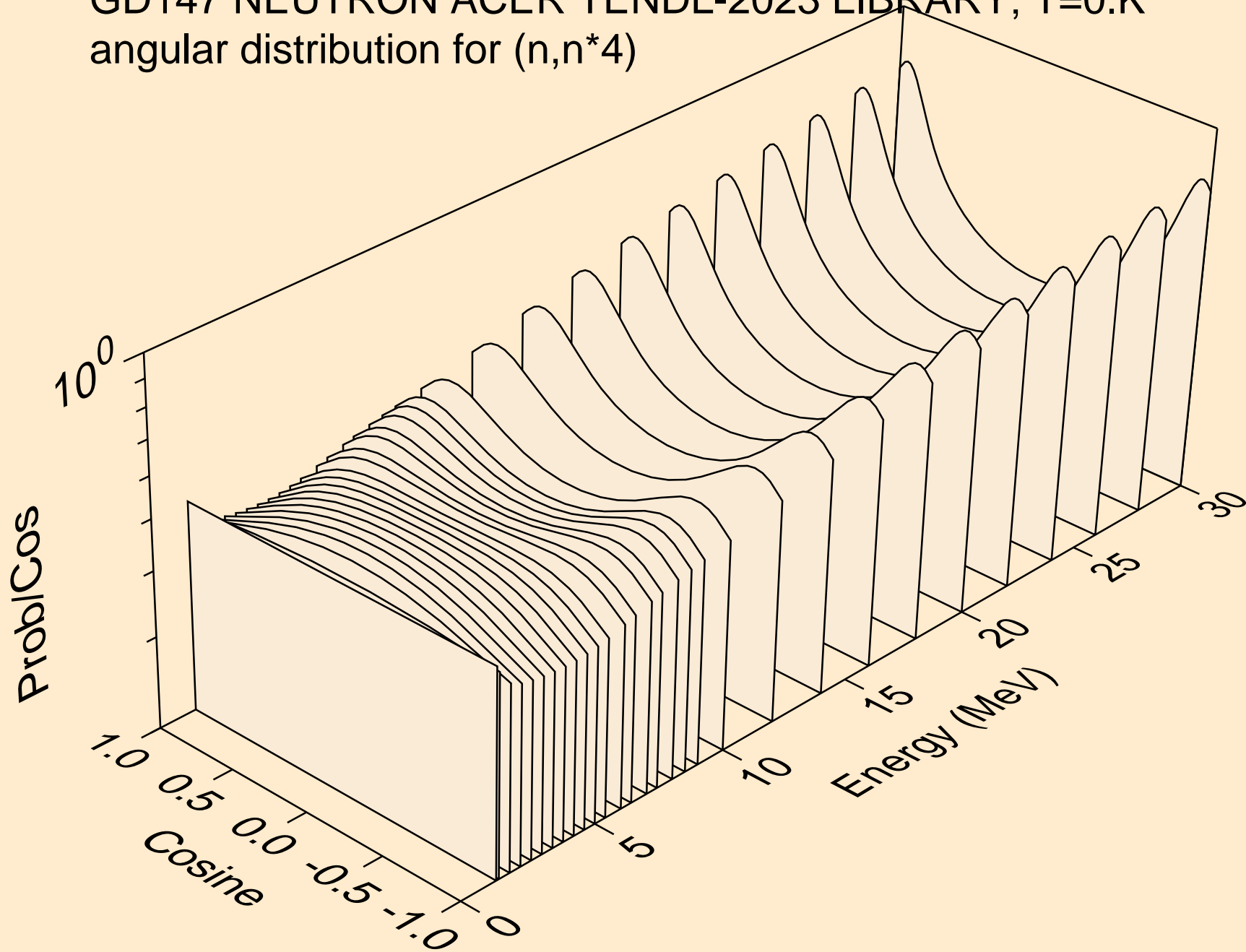
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



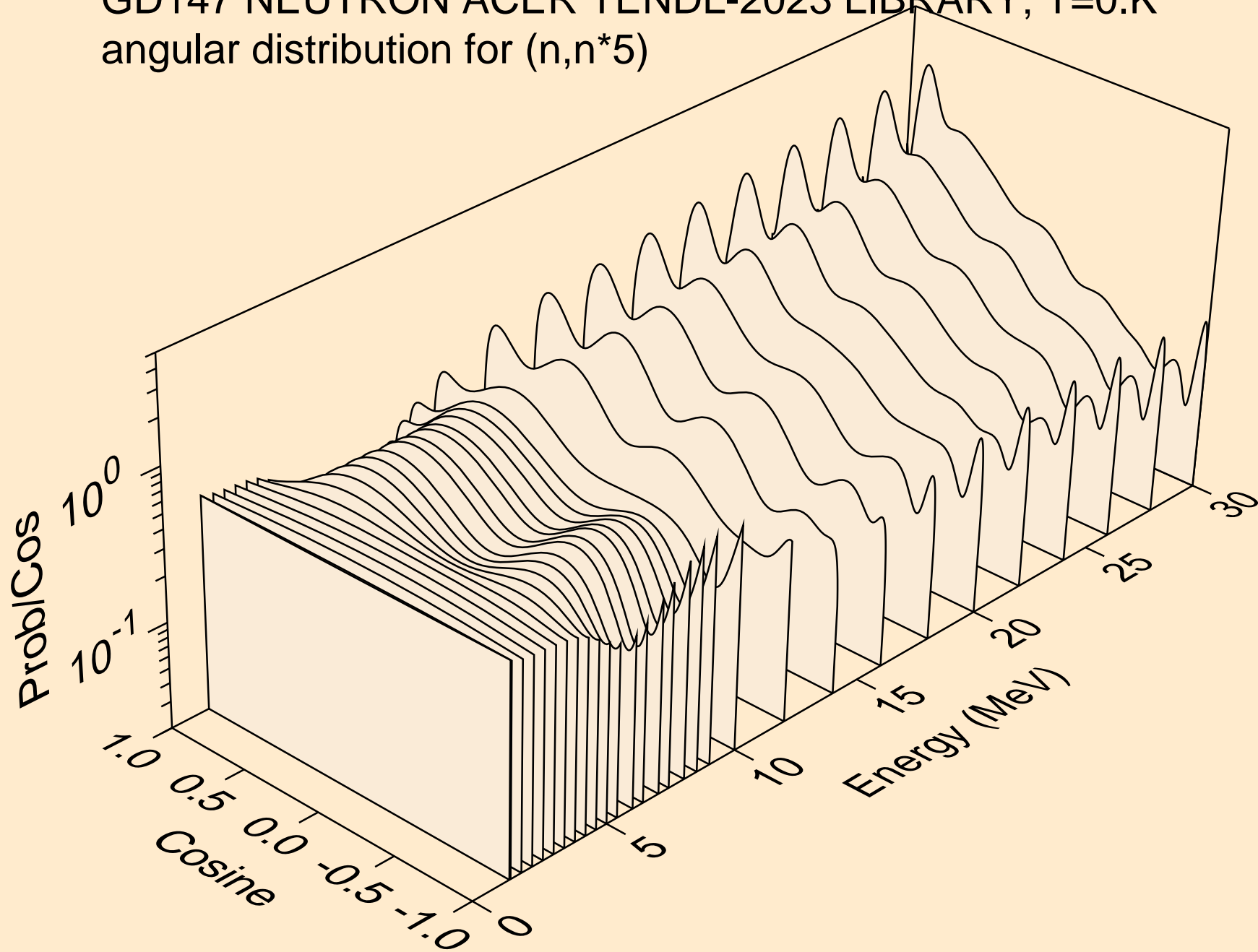
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



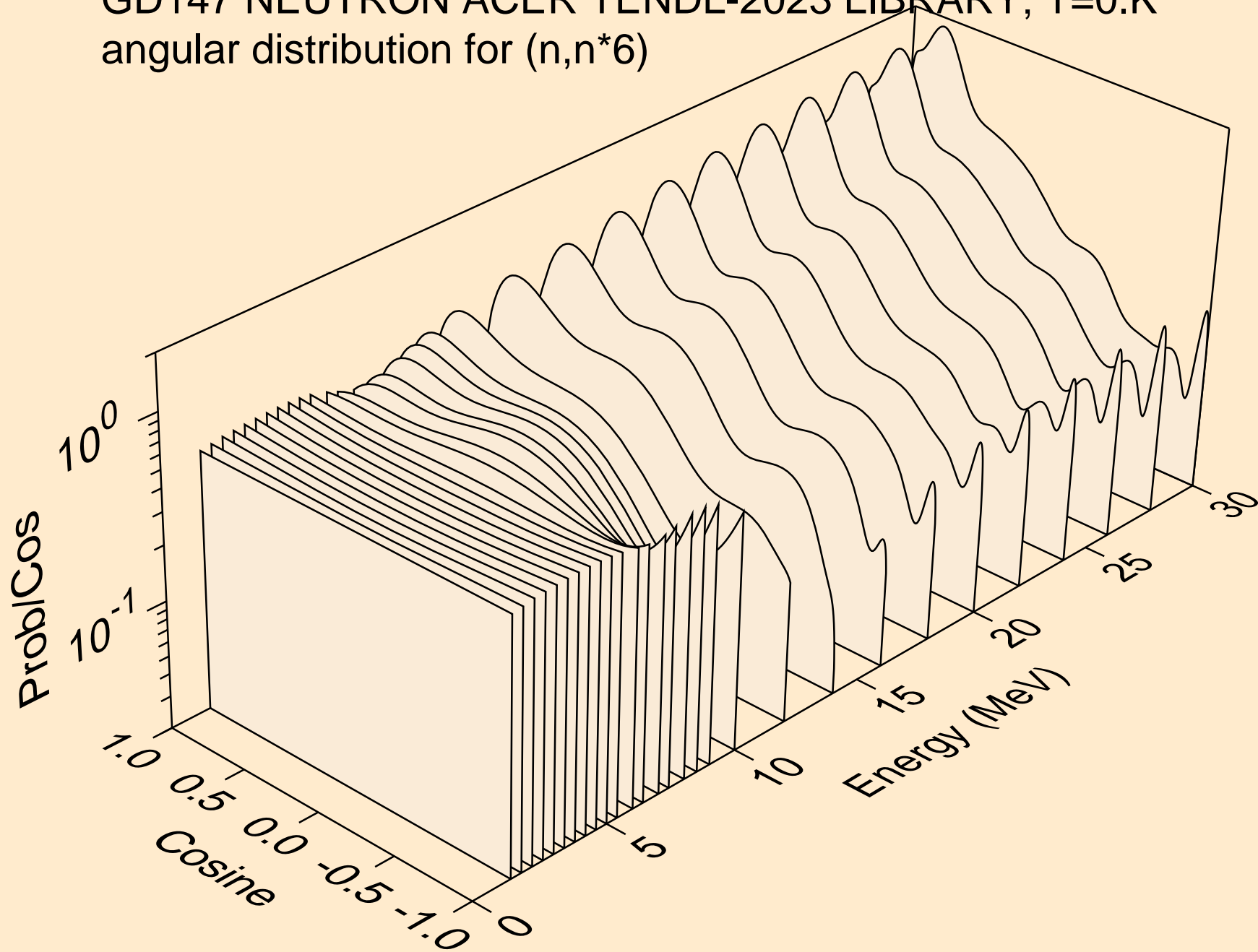
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



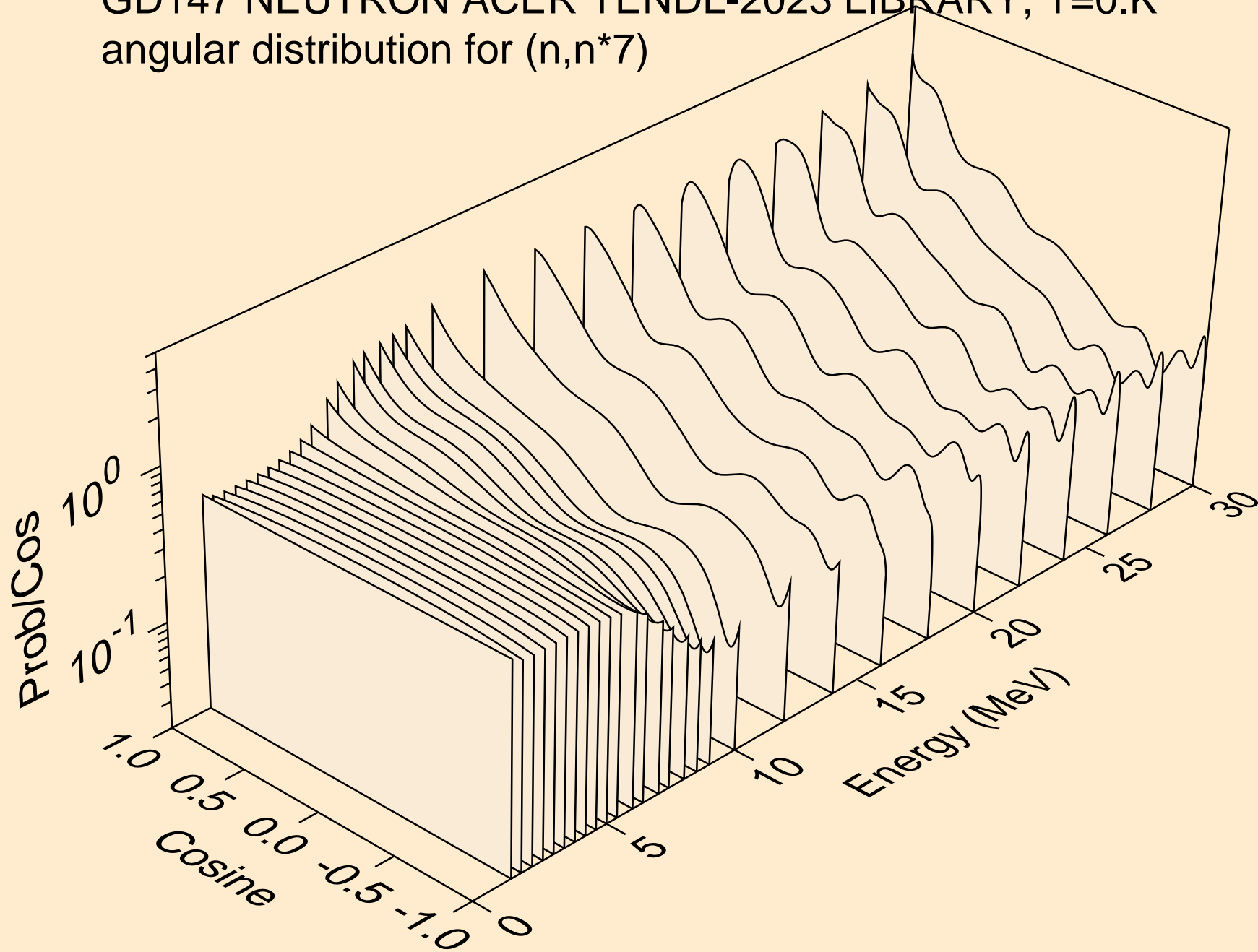
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



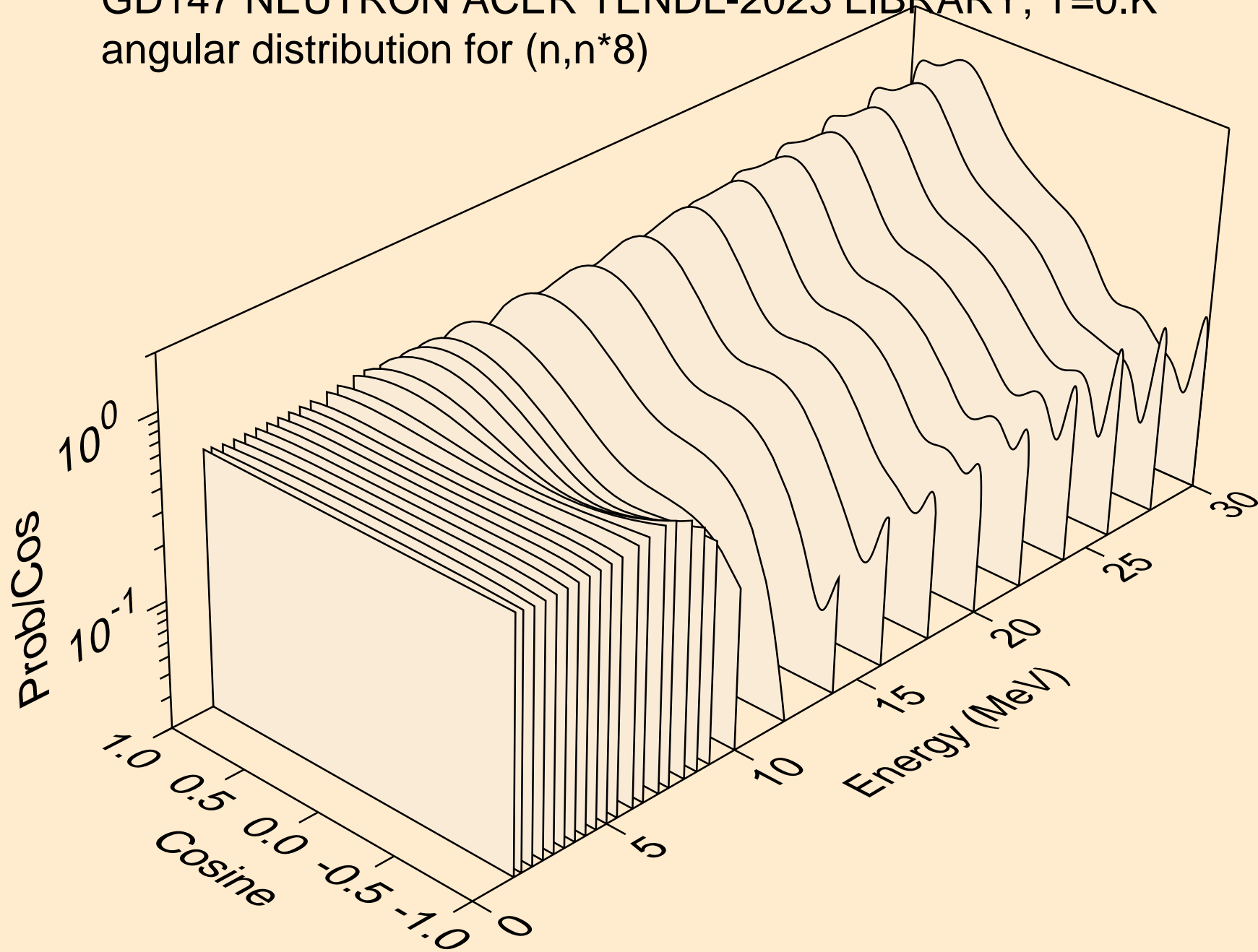
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)

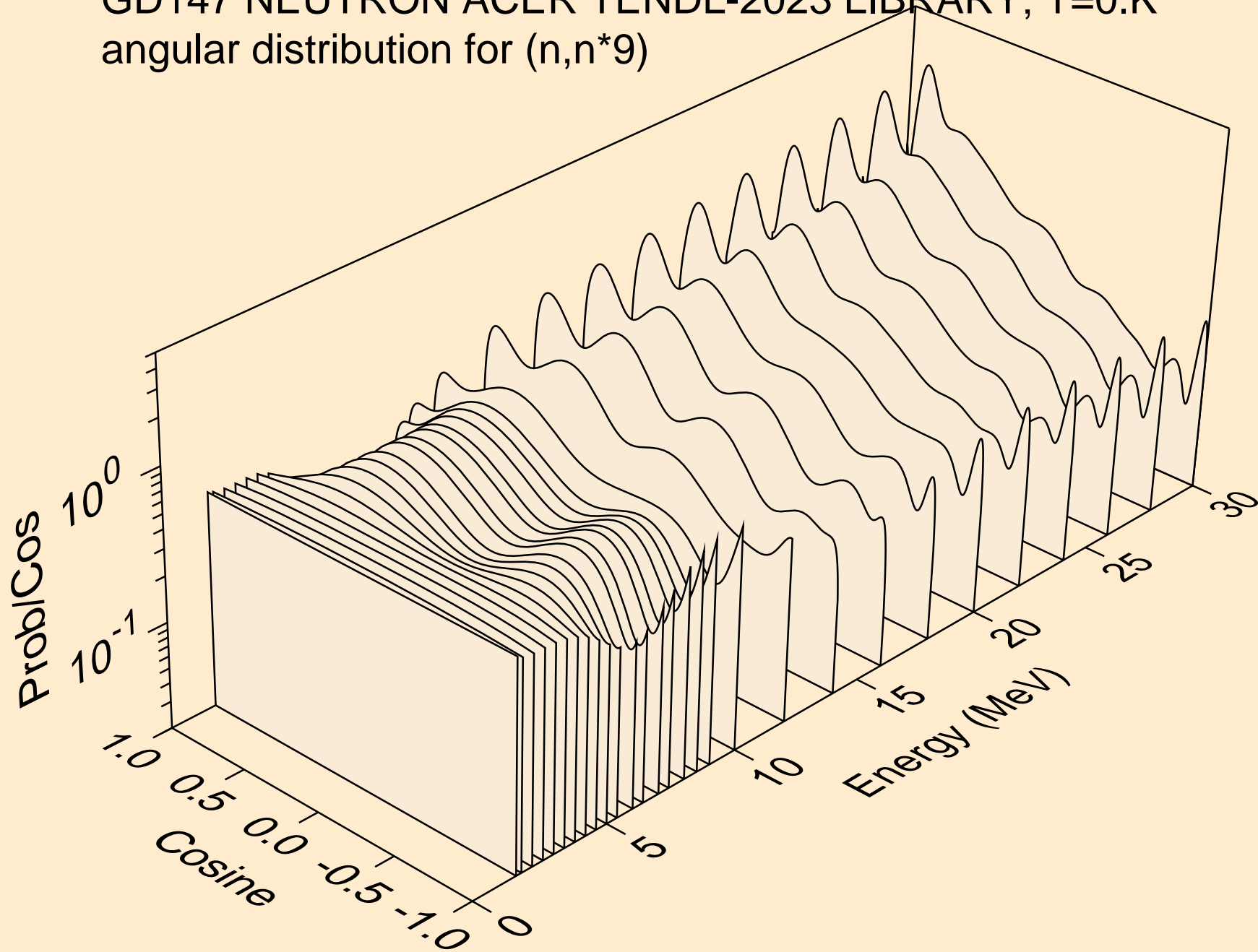


GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)

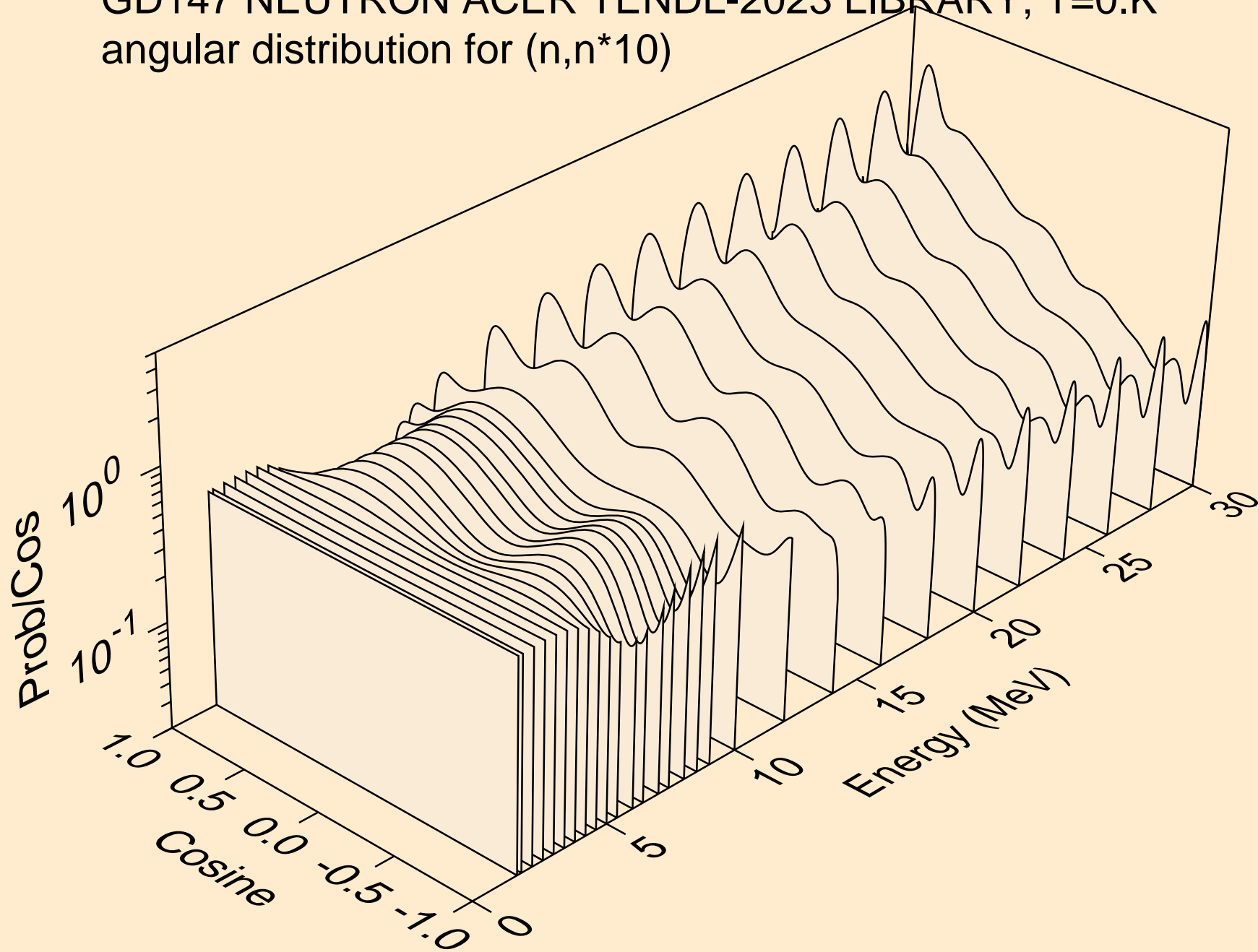




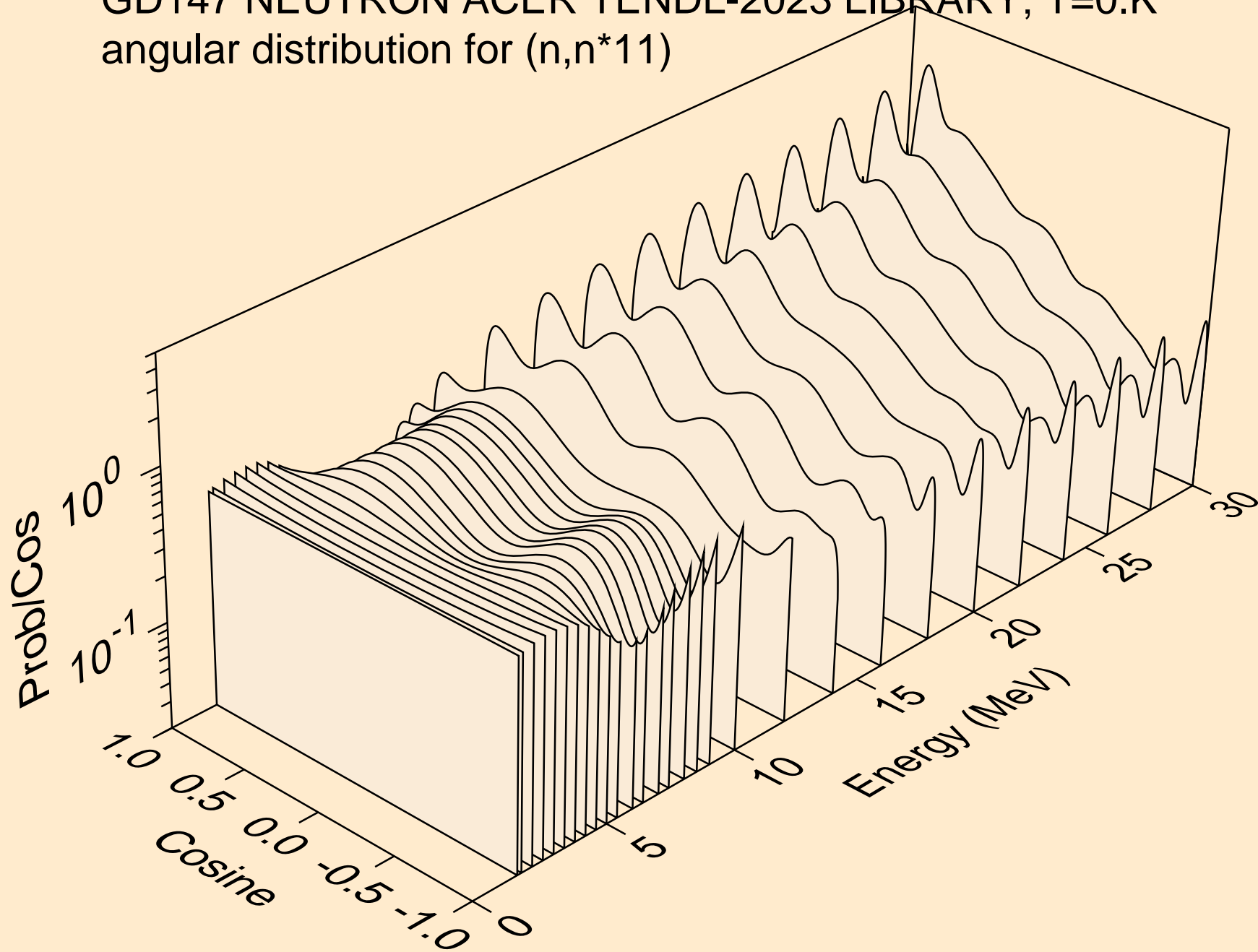
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



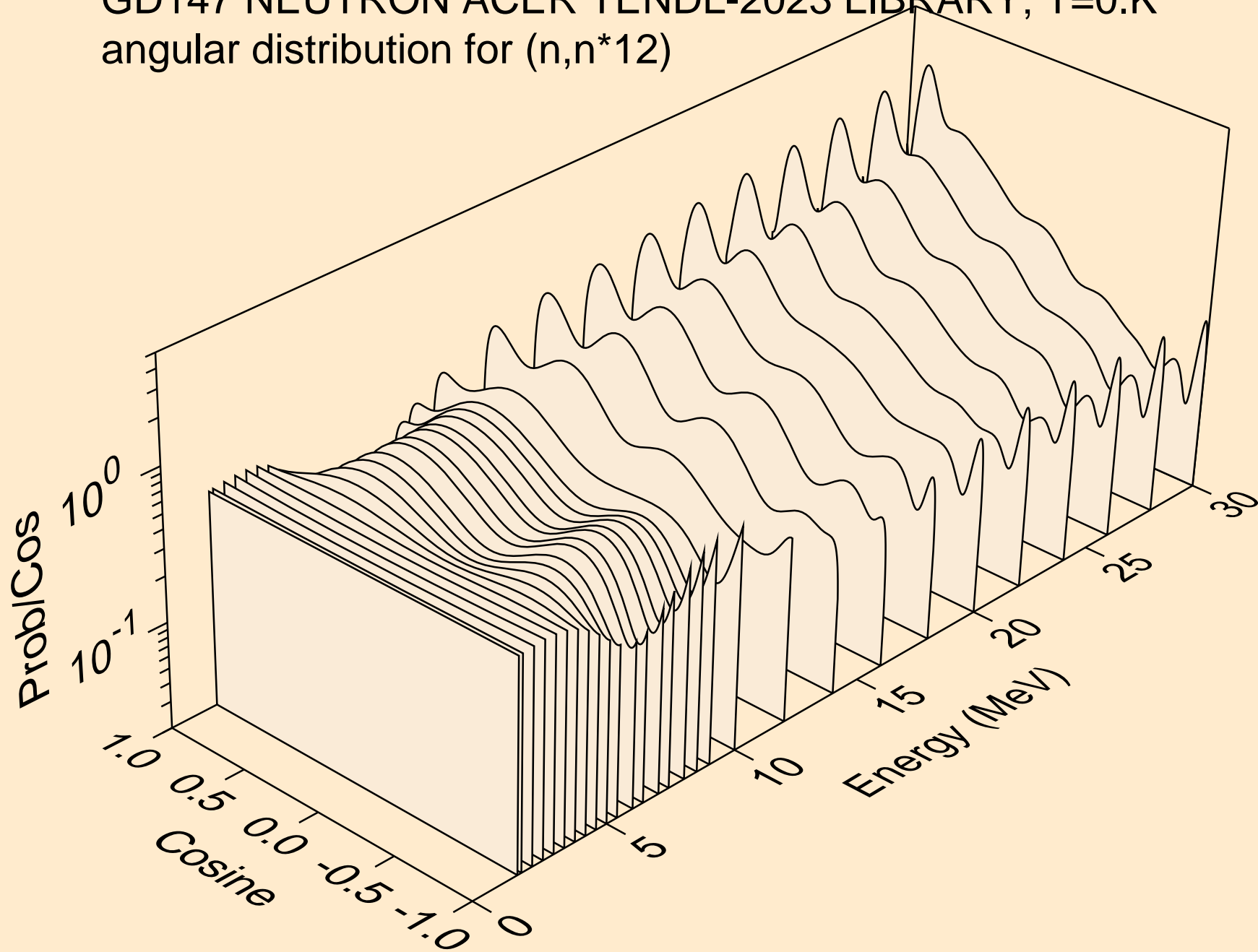
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



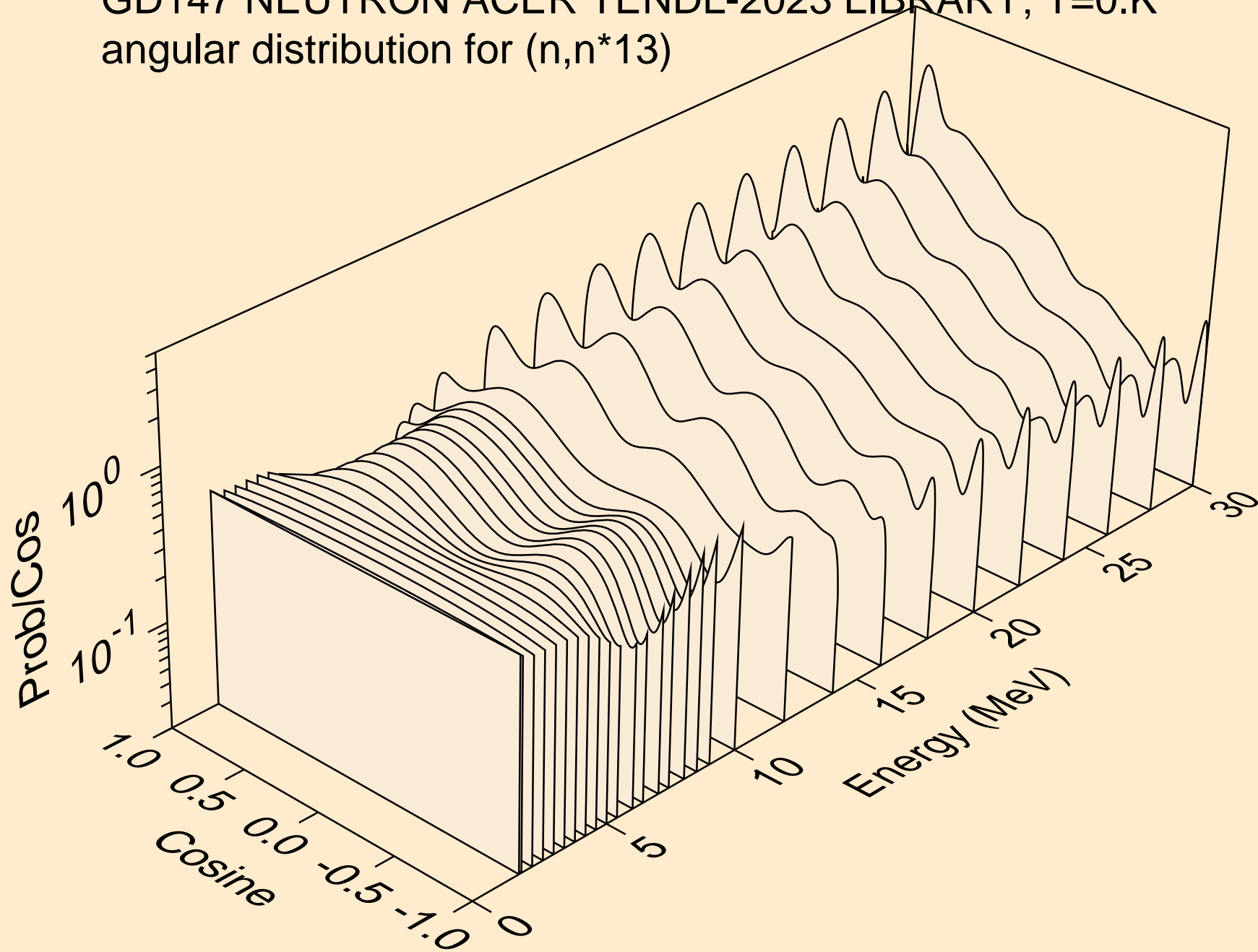
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



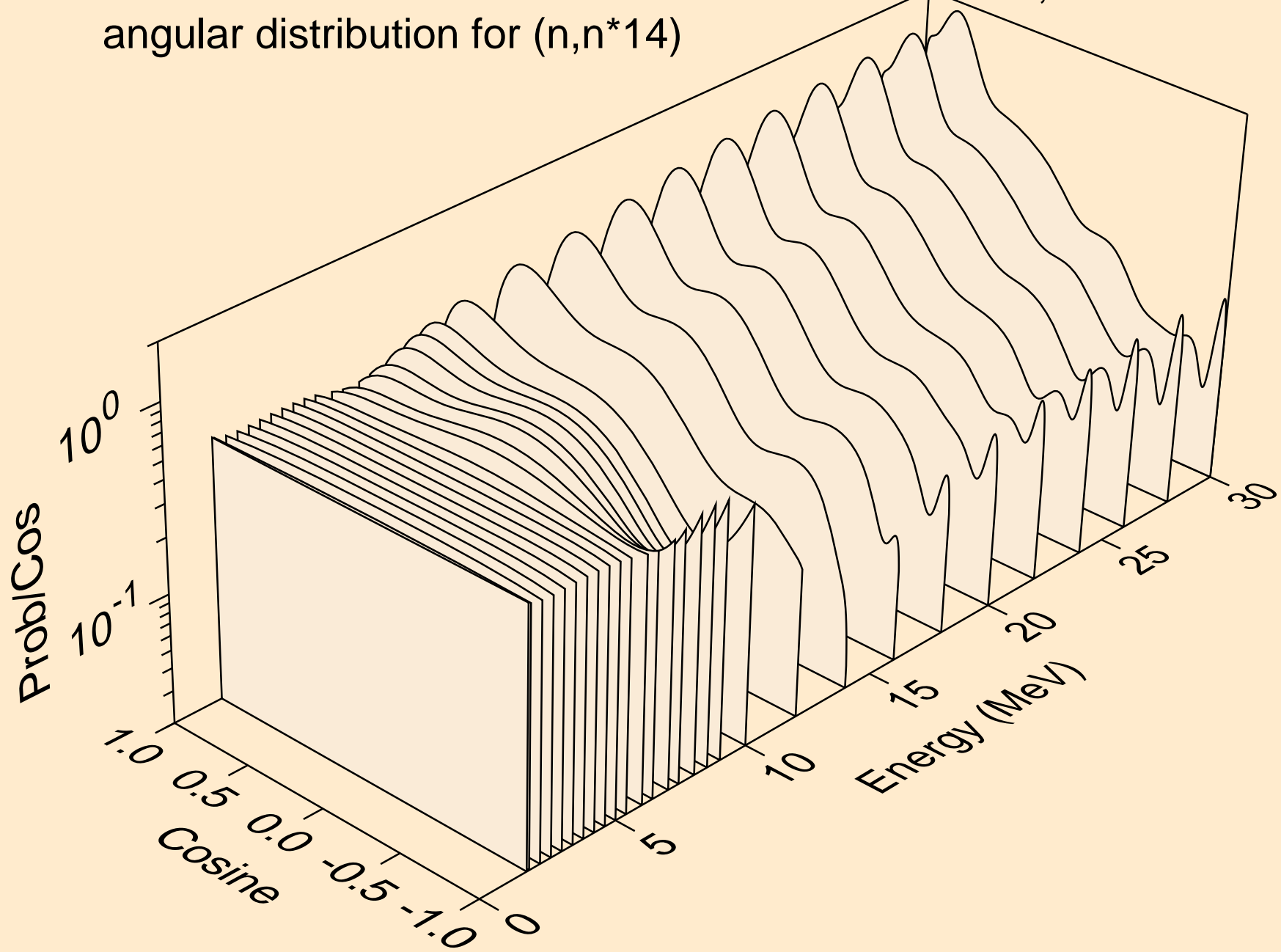
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



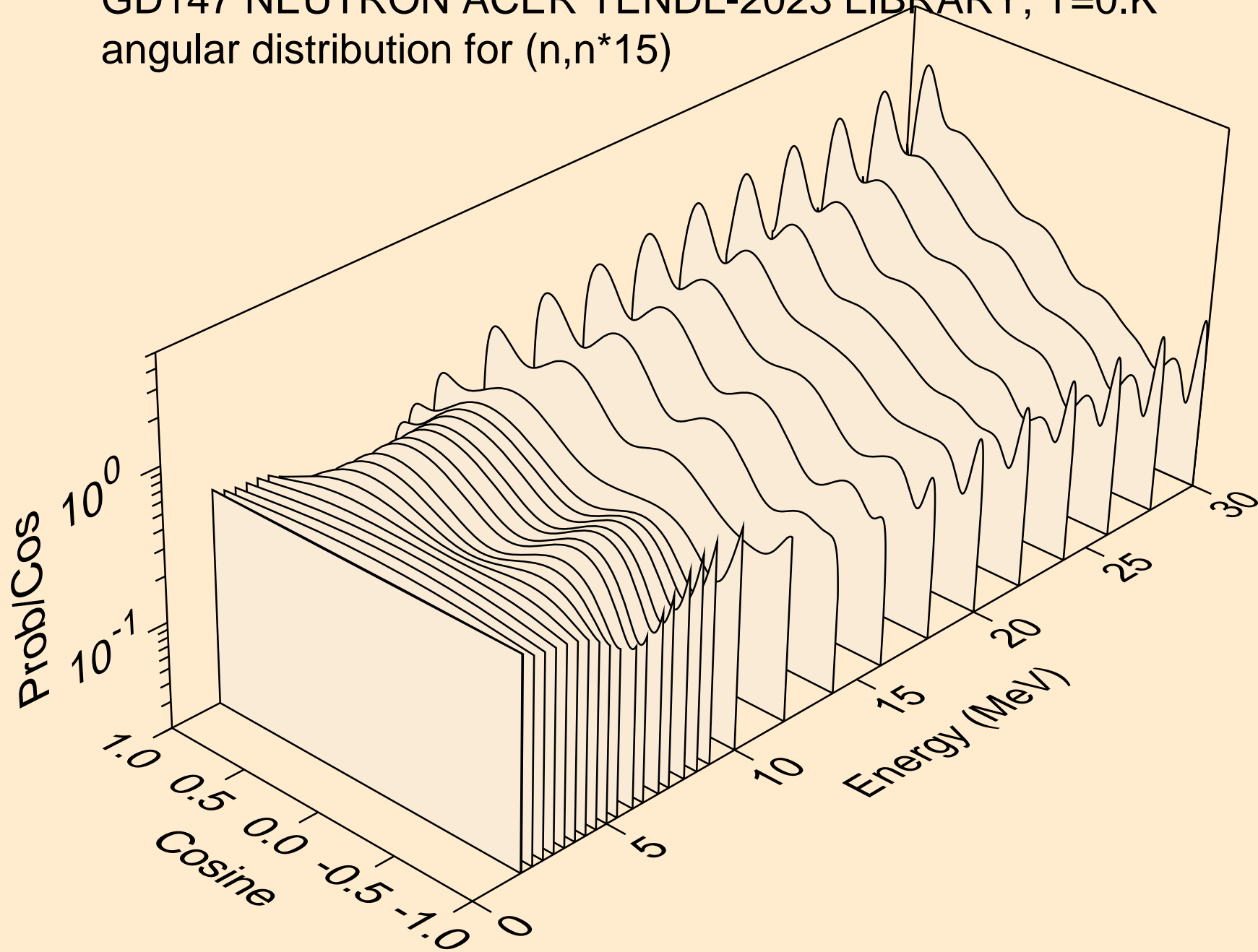
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



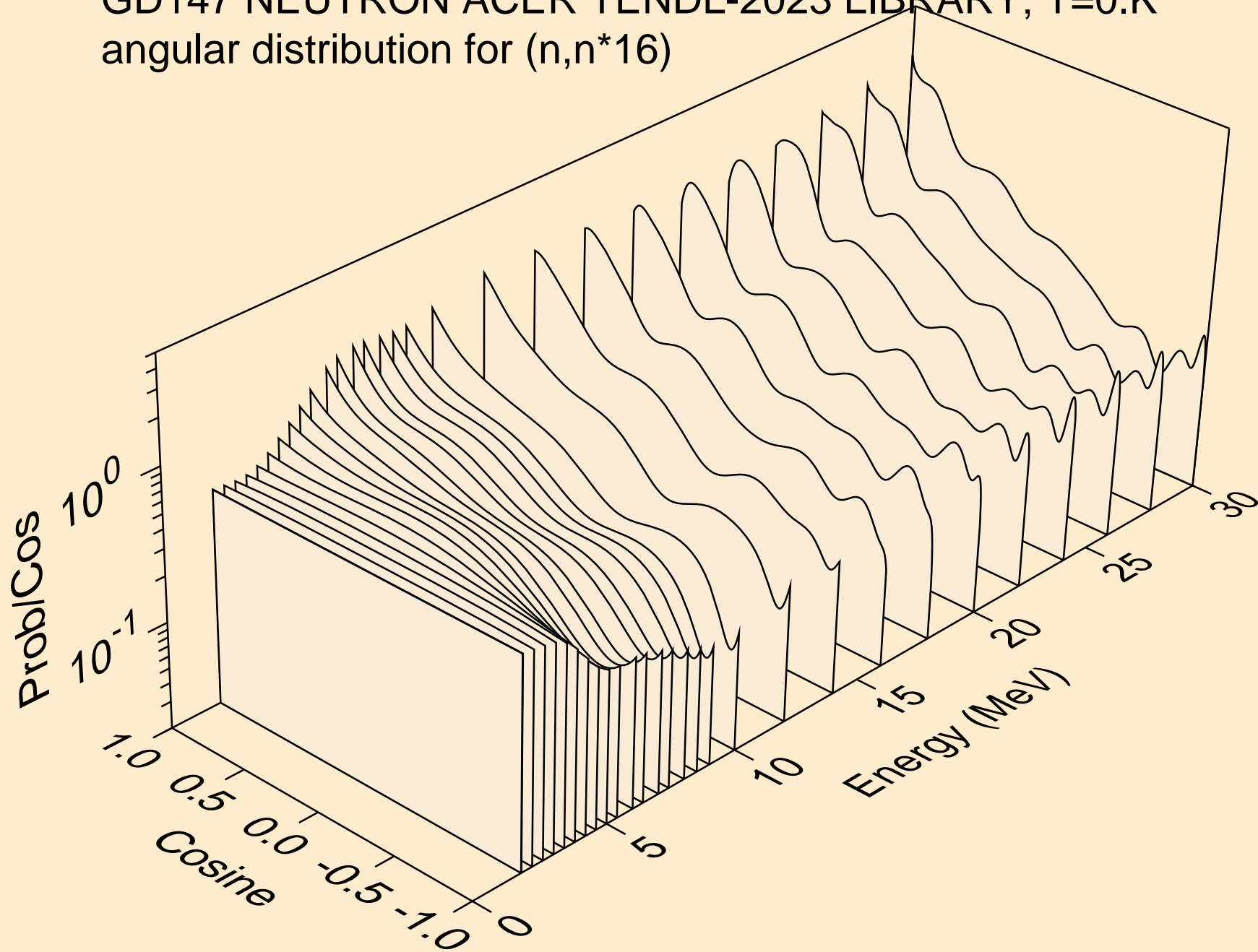
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*15)

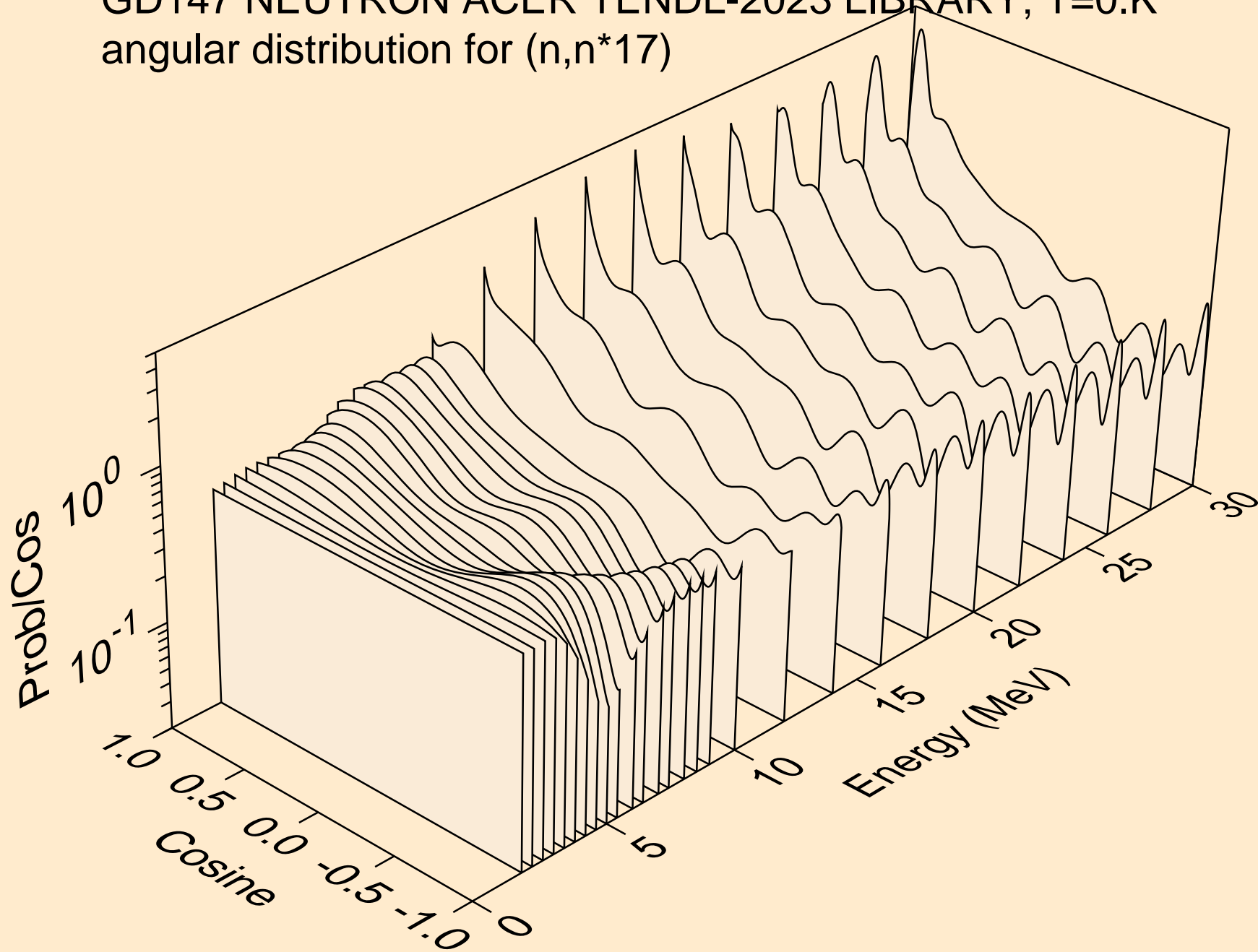


GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*16)

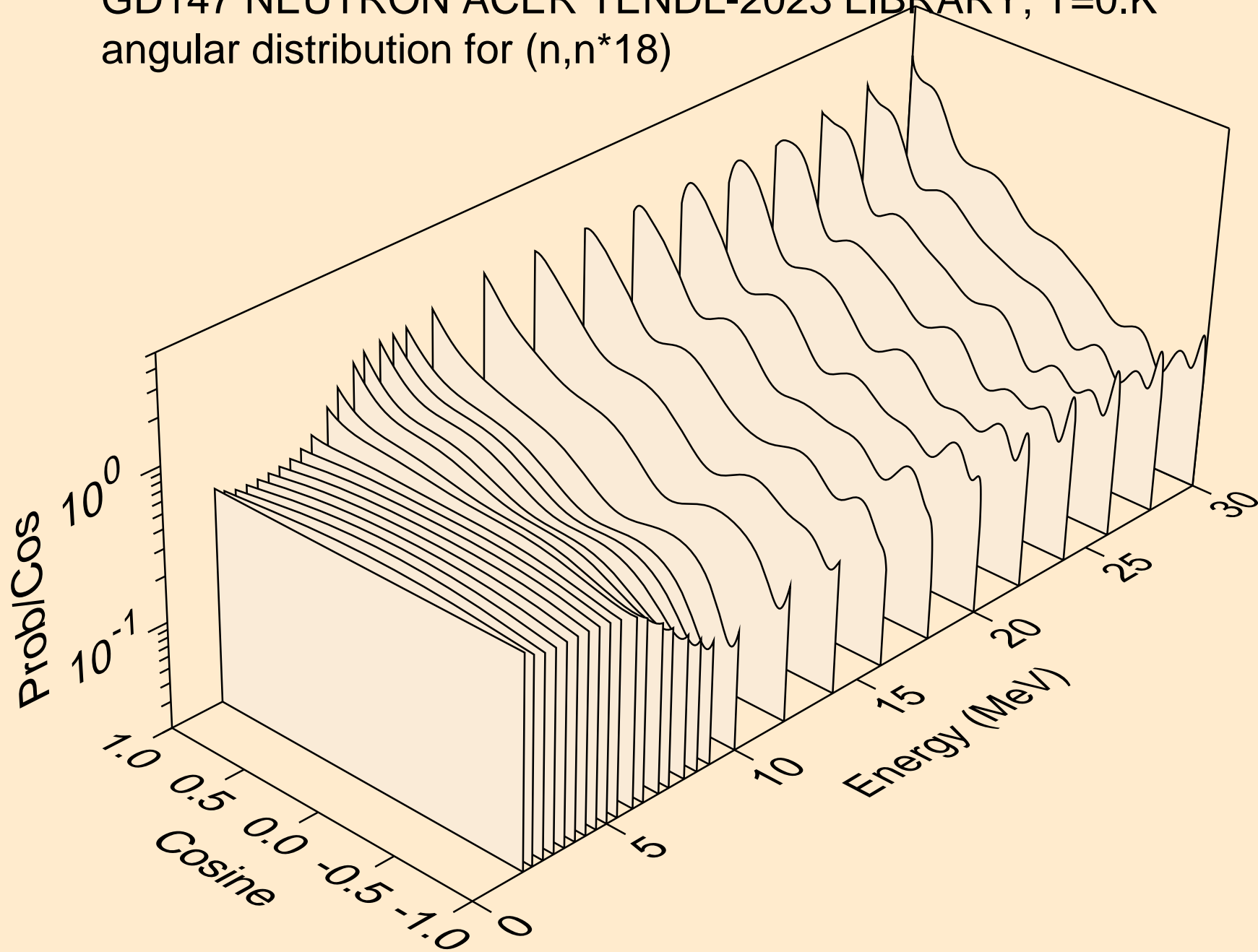




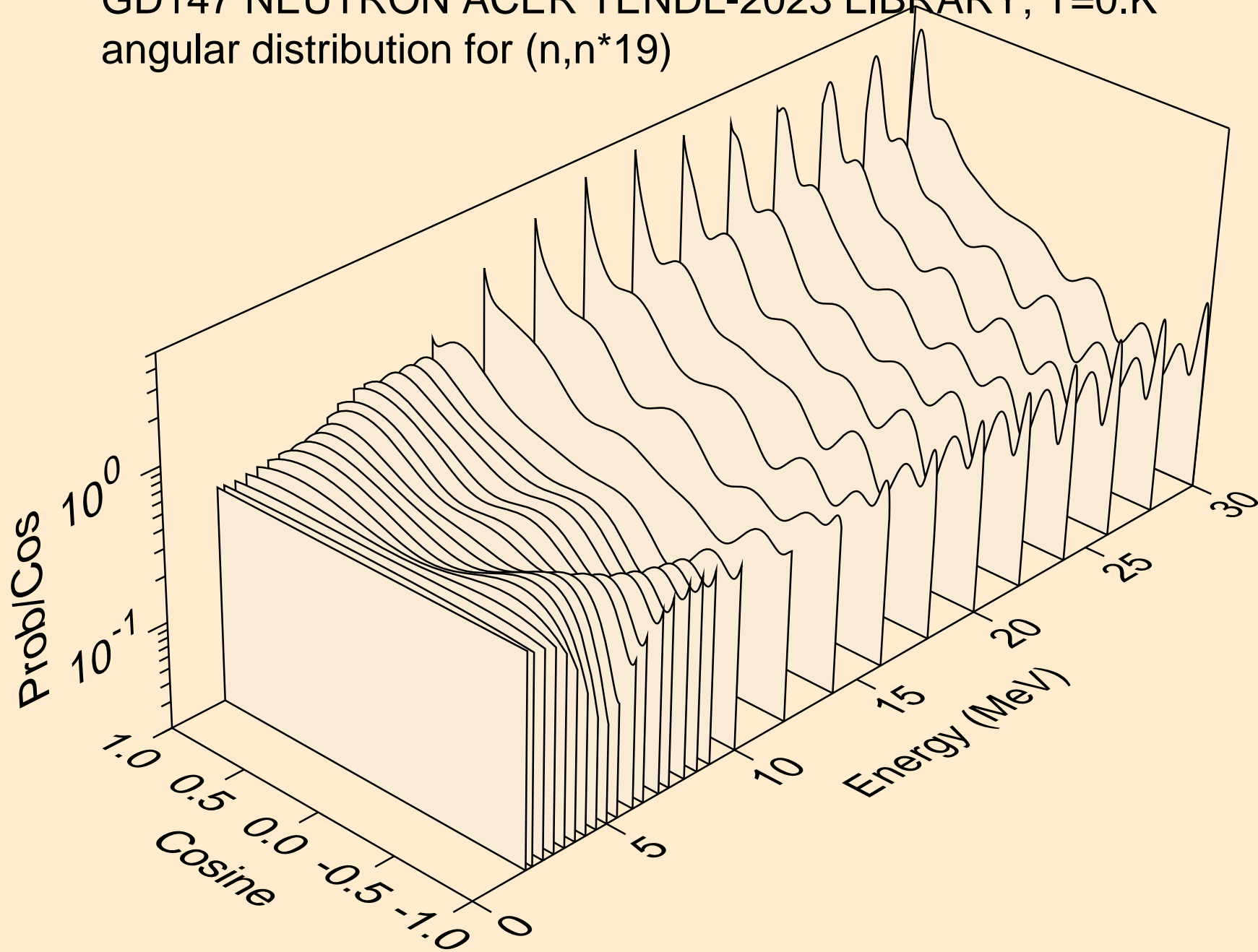
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*17)



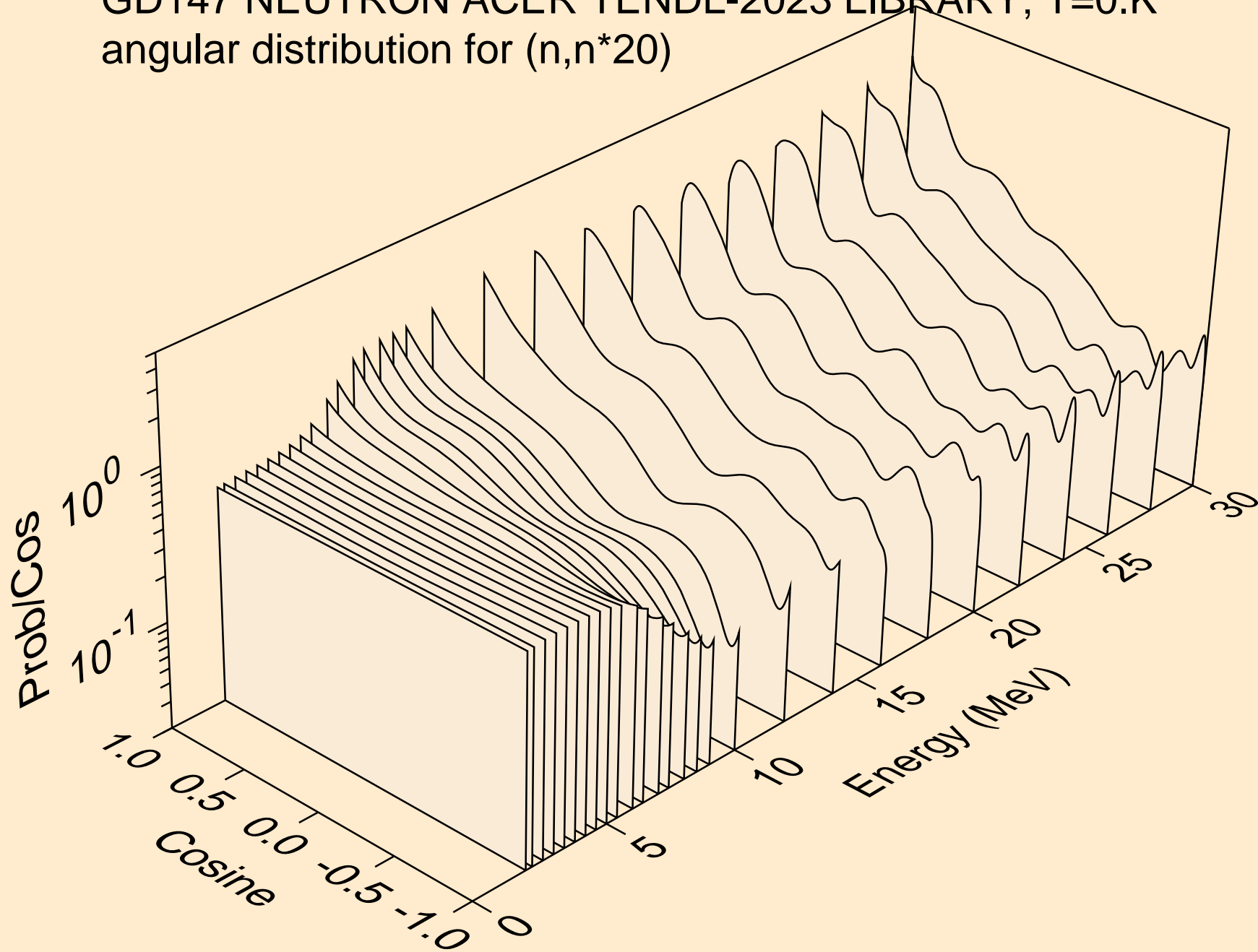
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



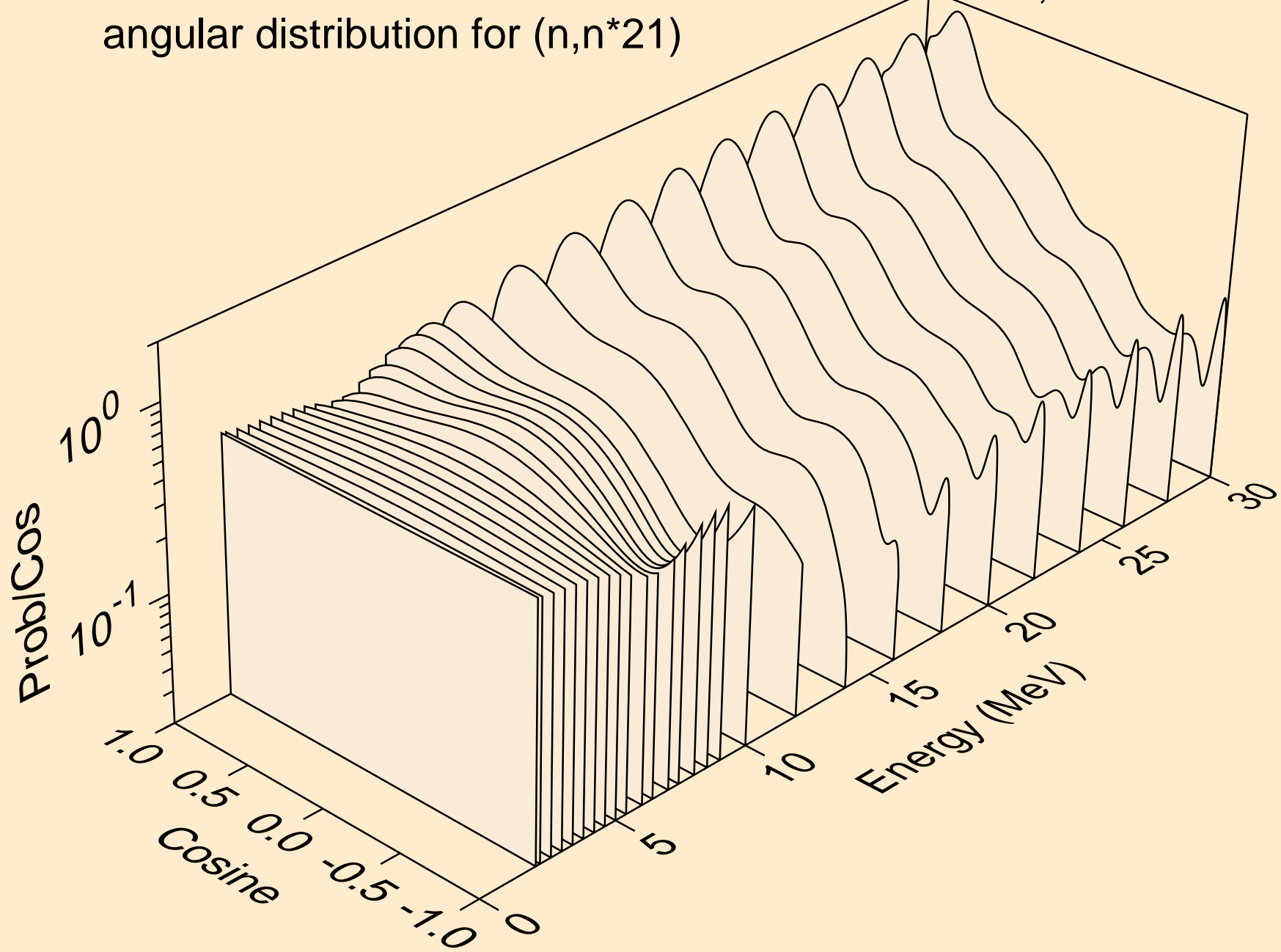
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



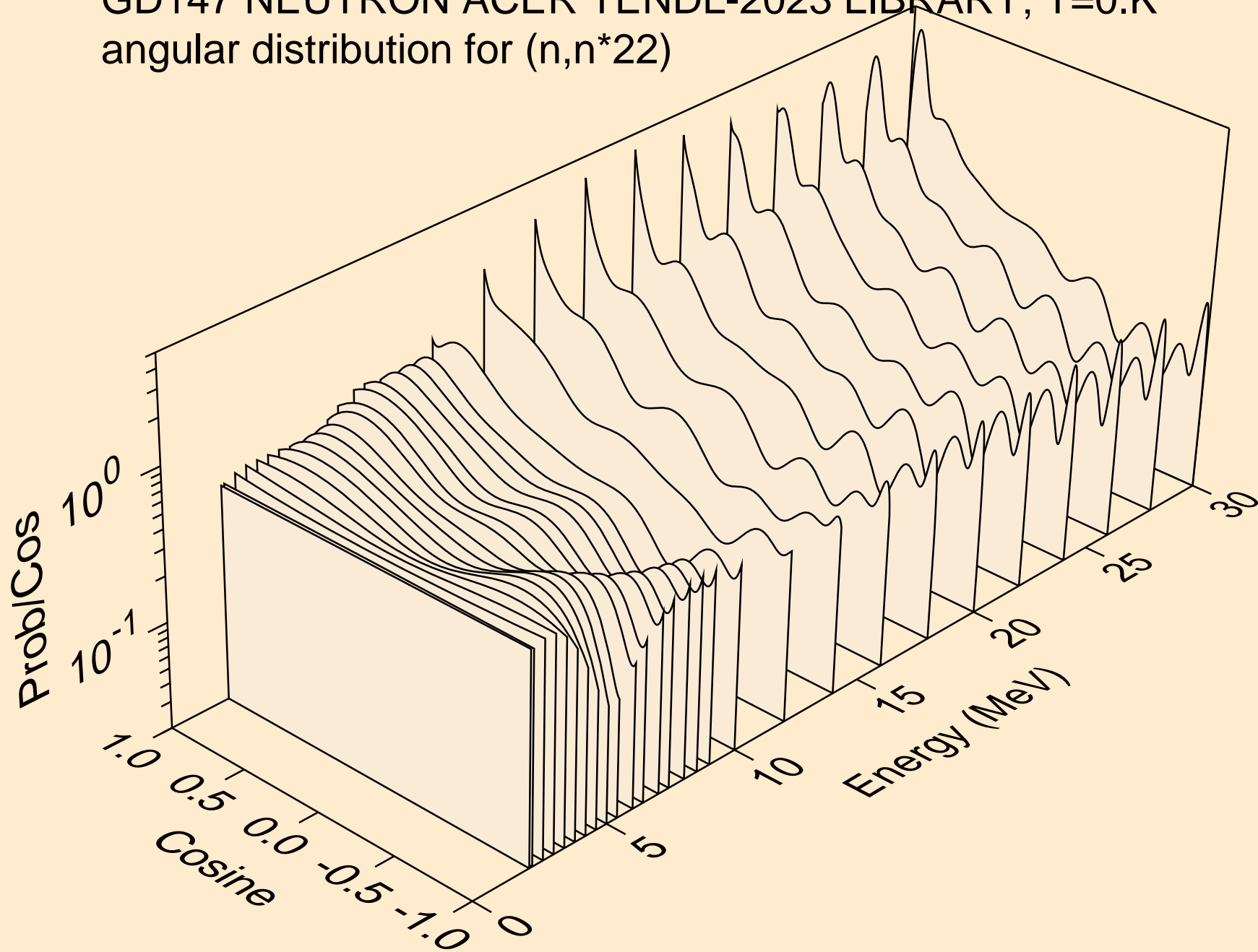
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*20)



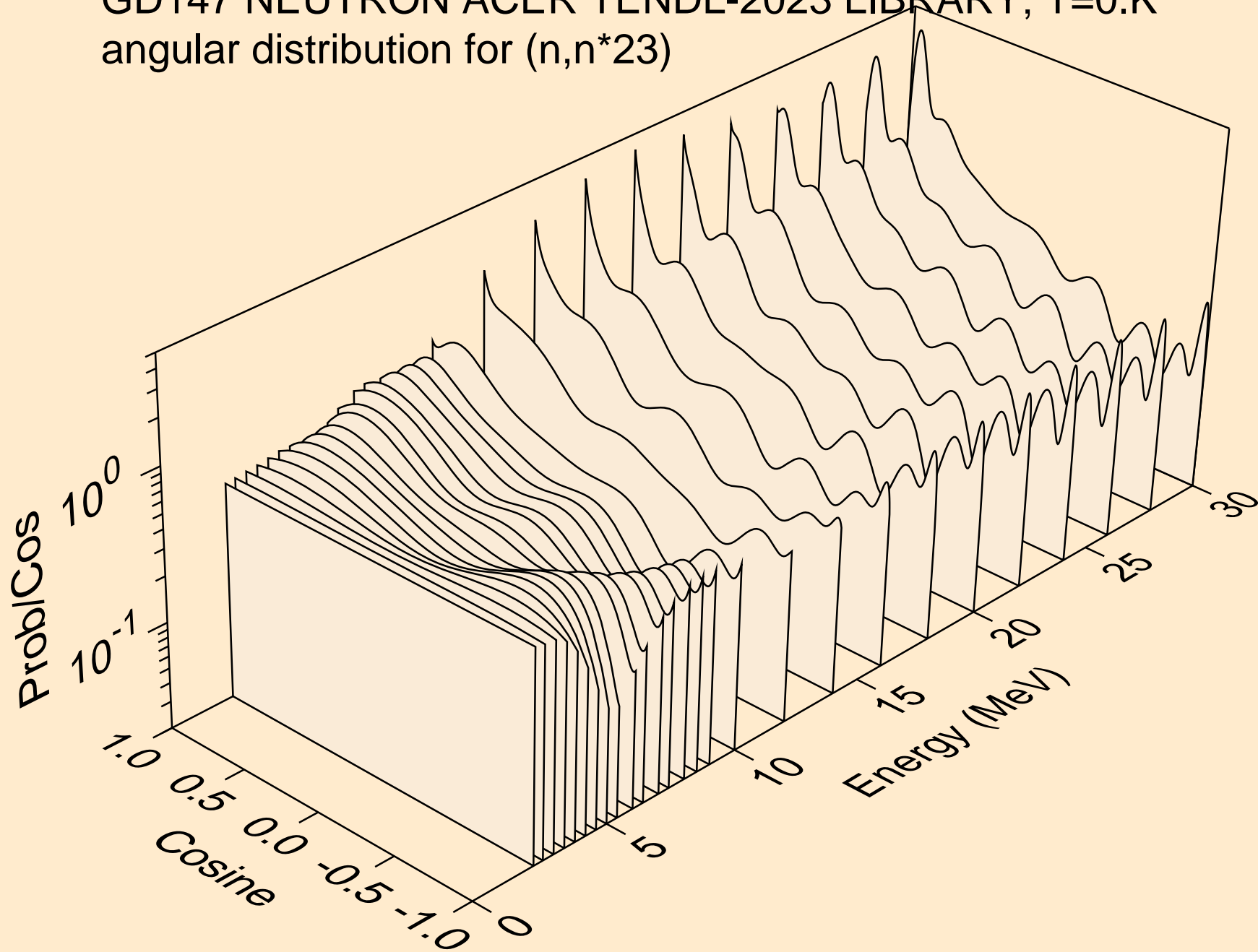
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*21)



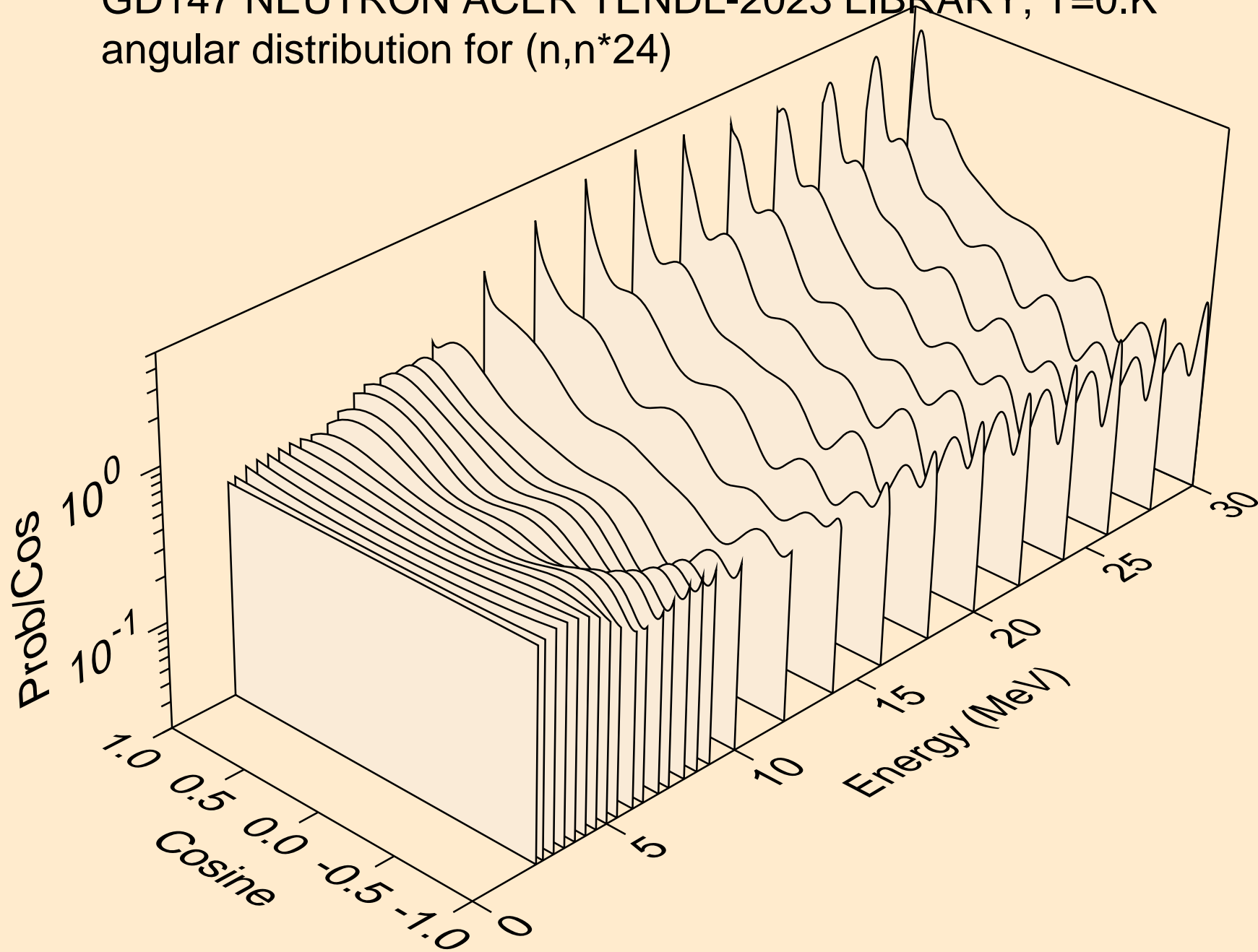
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*22)



GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*23)

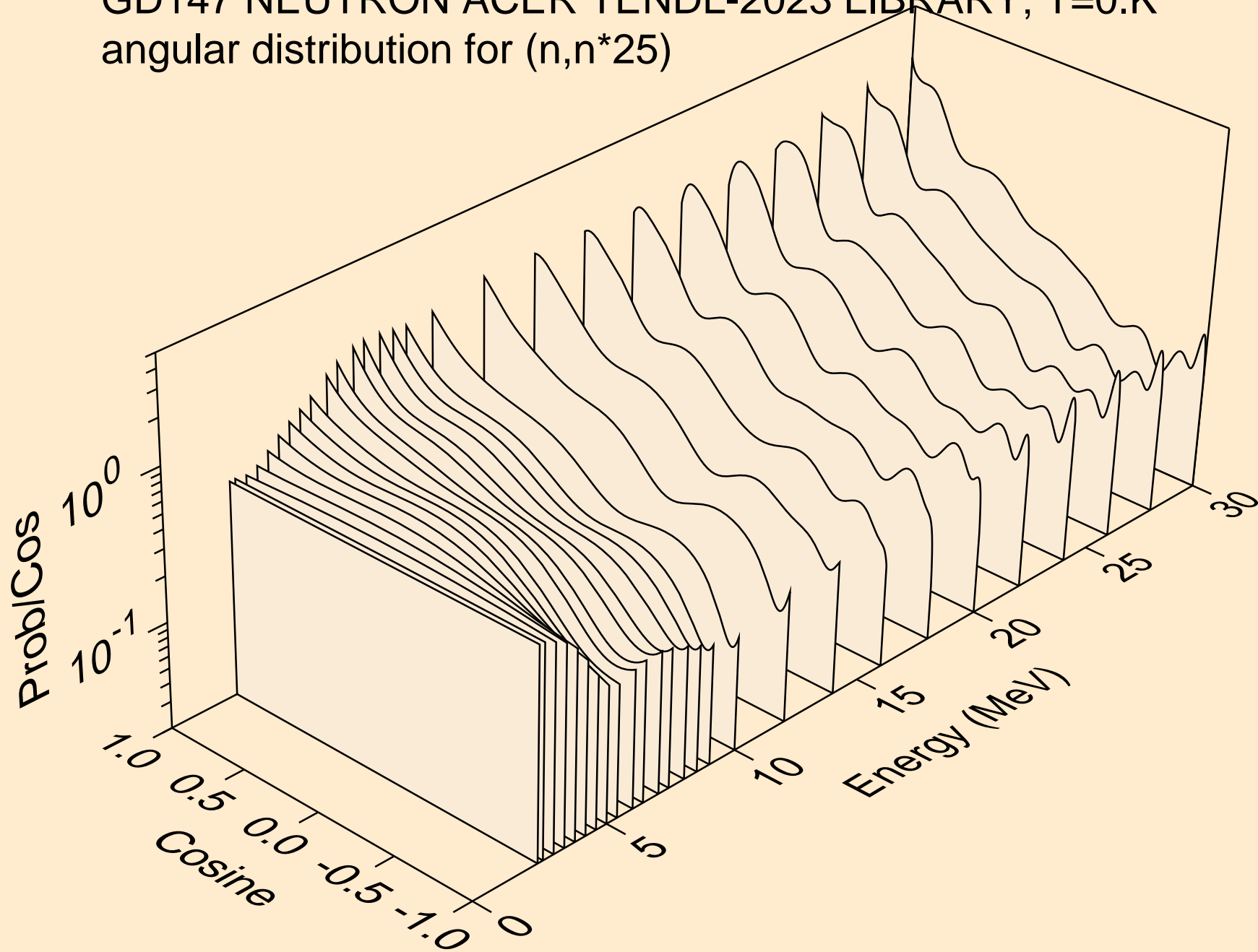


GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*24)

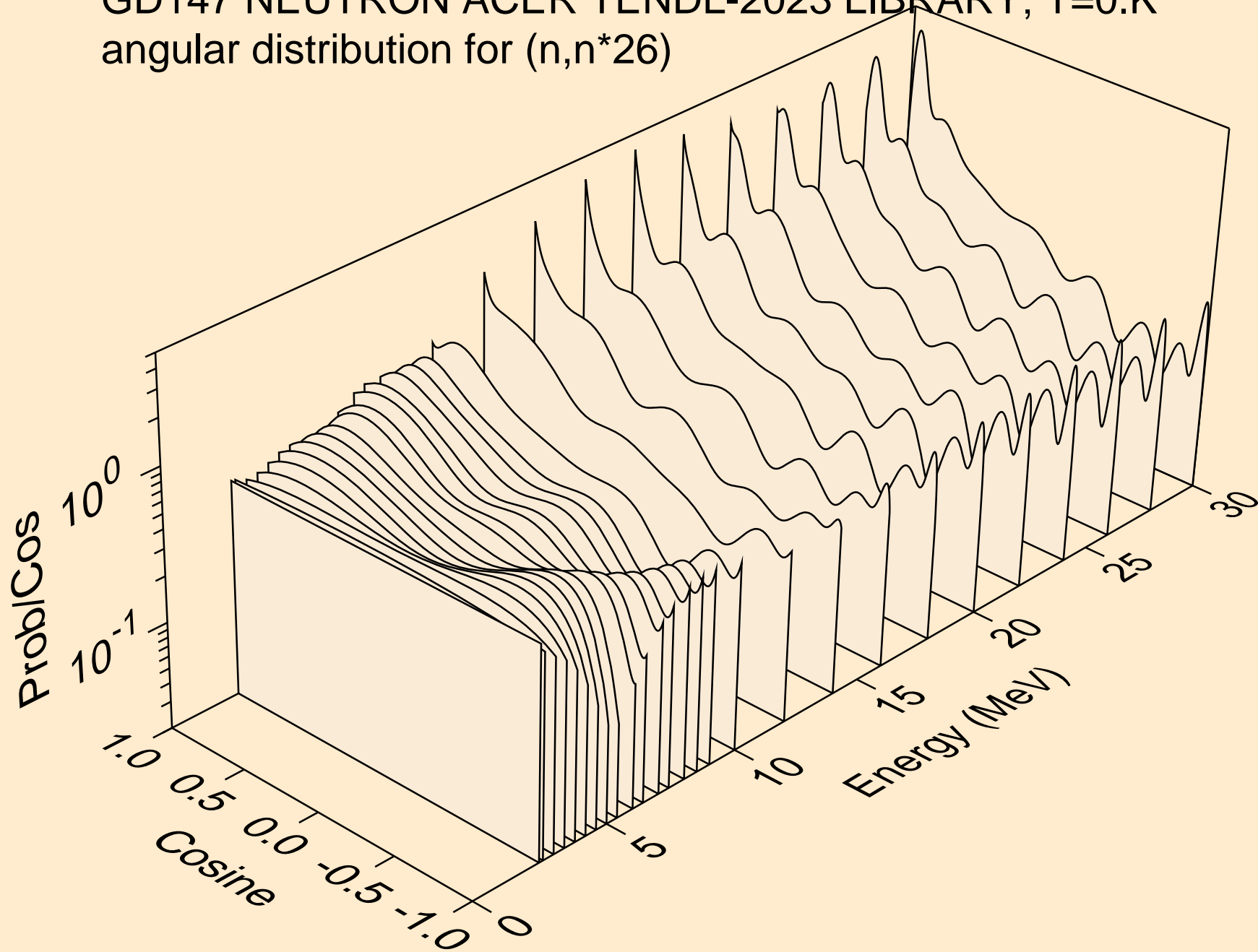




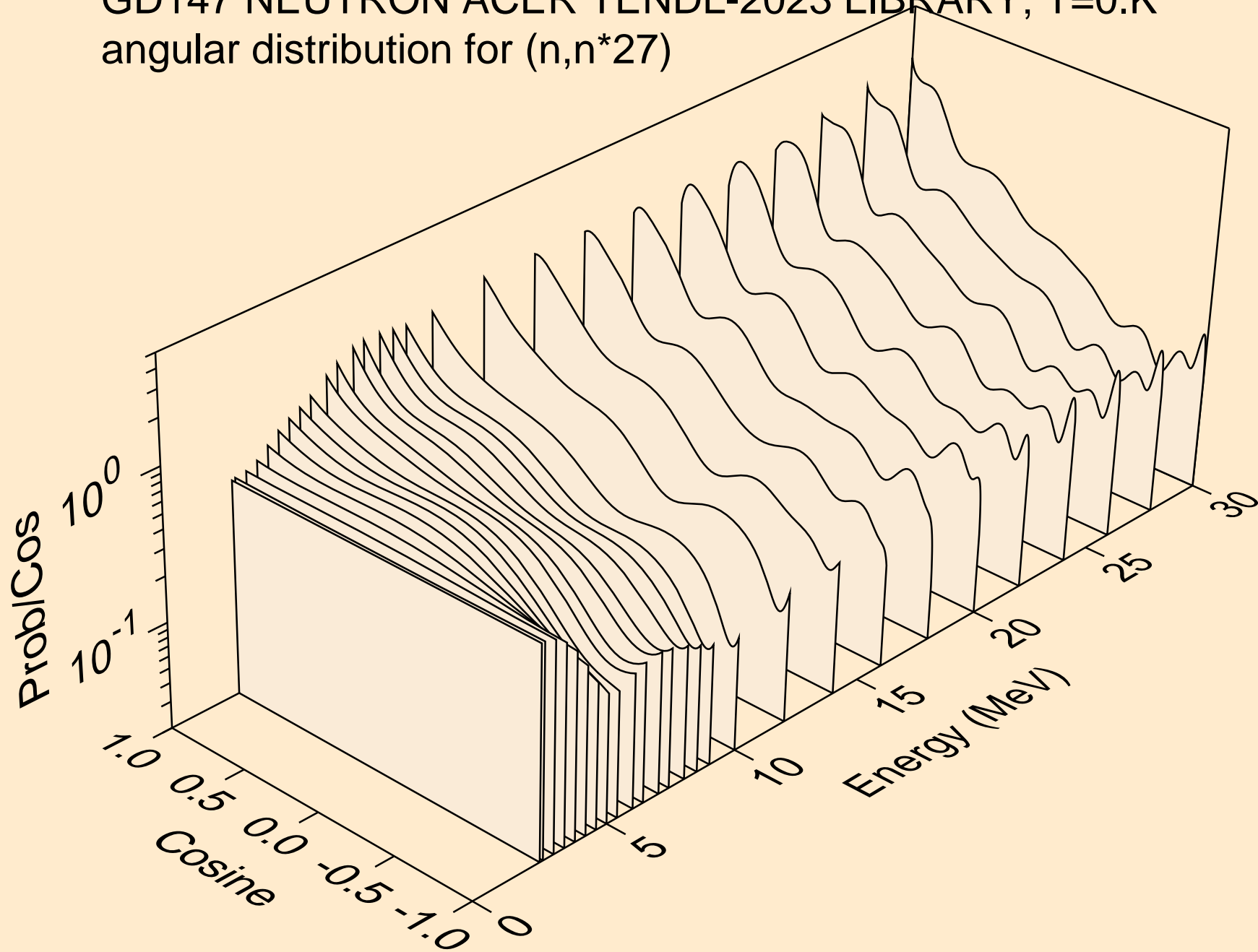
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*25)



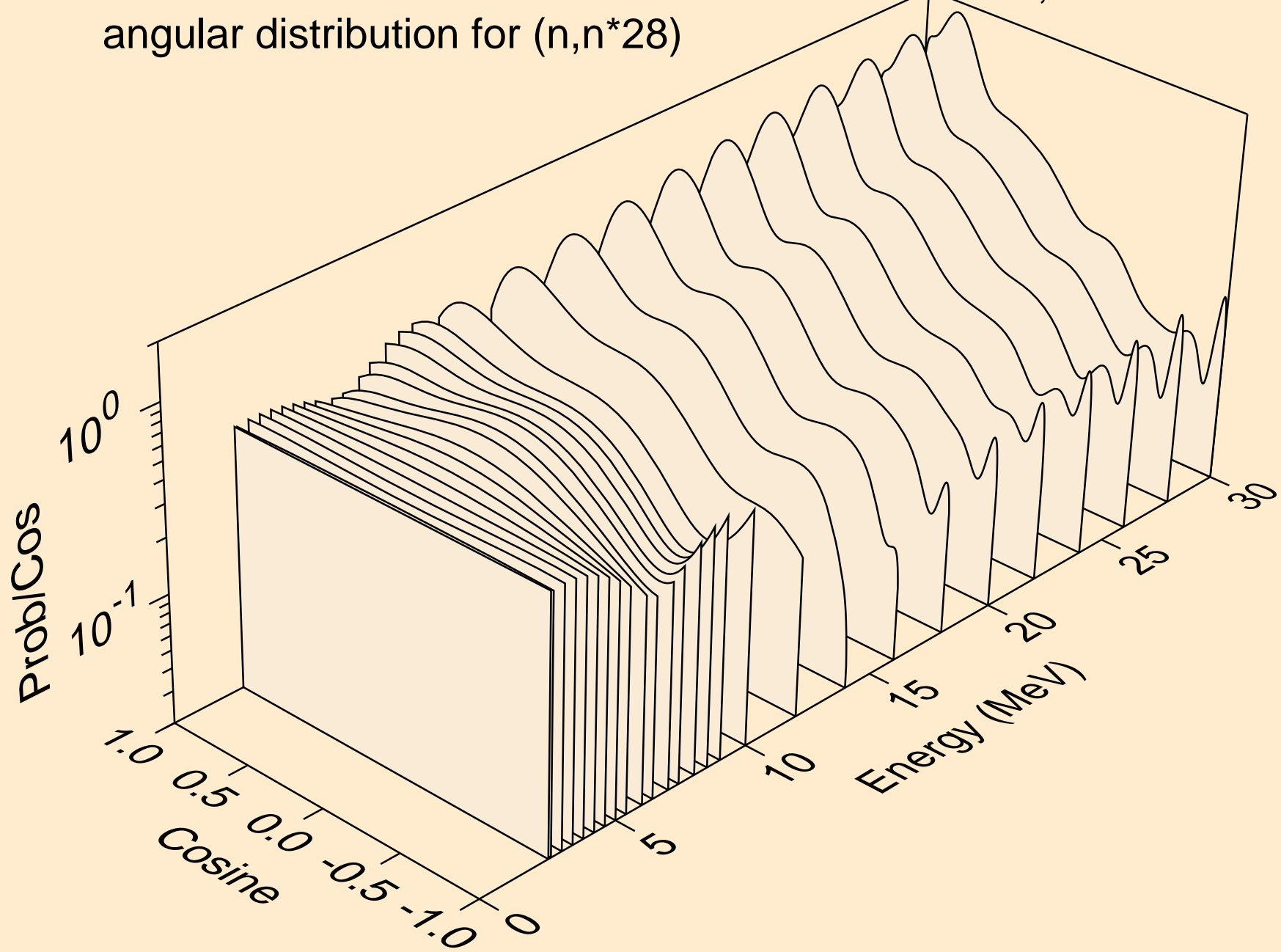
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



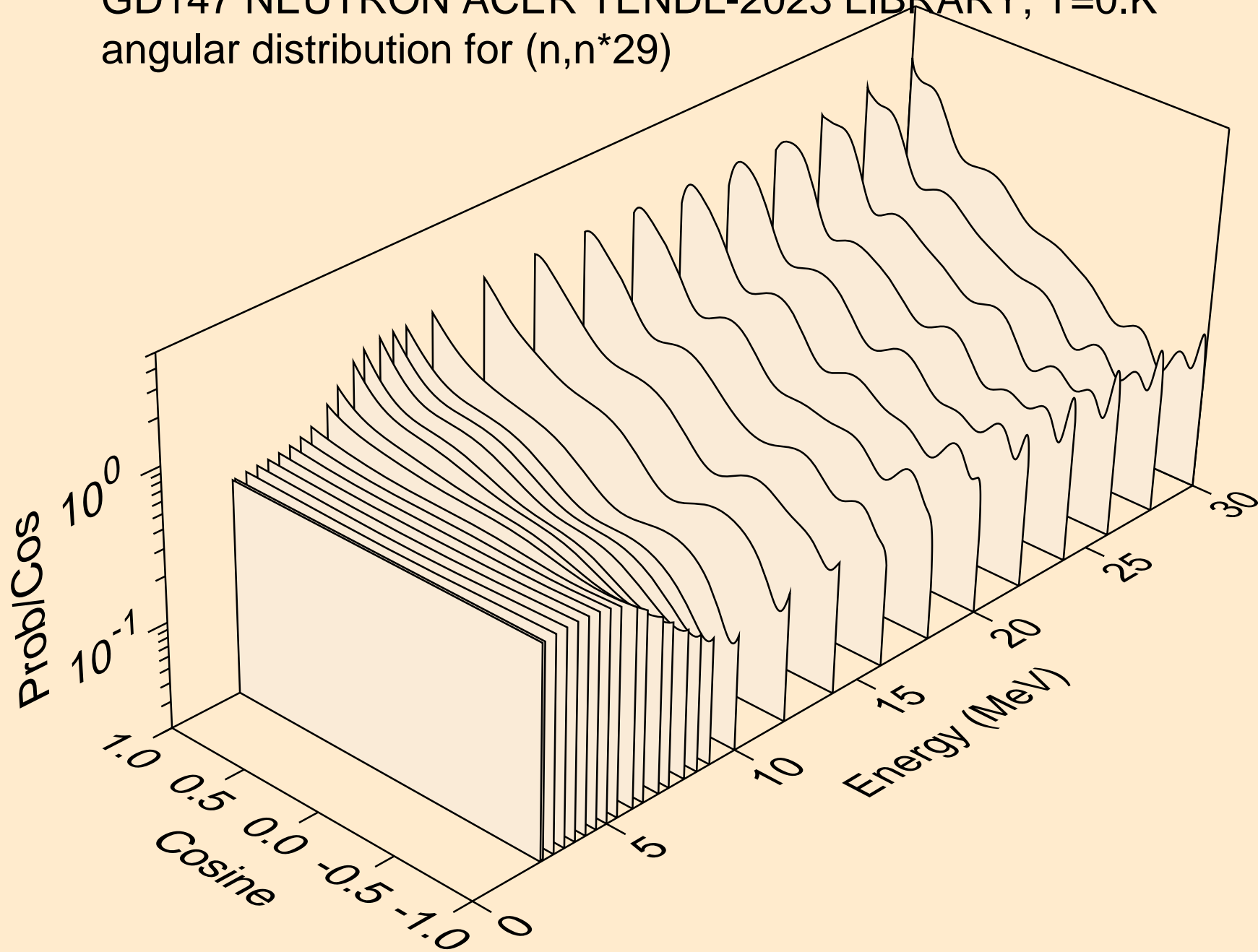
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



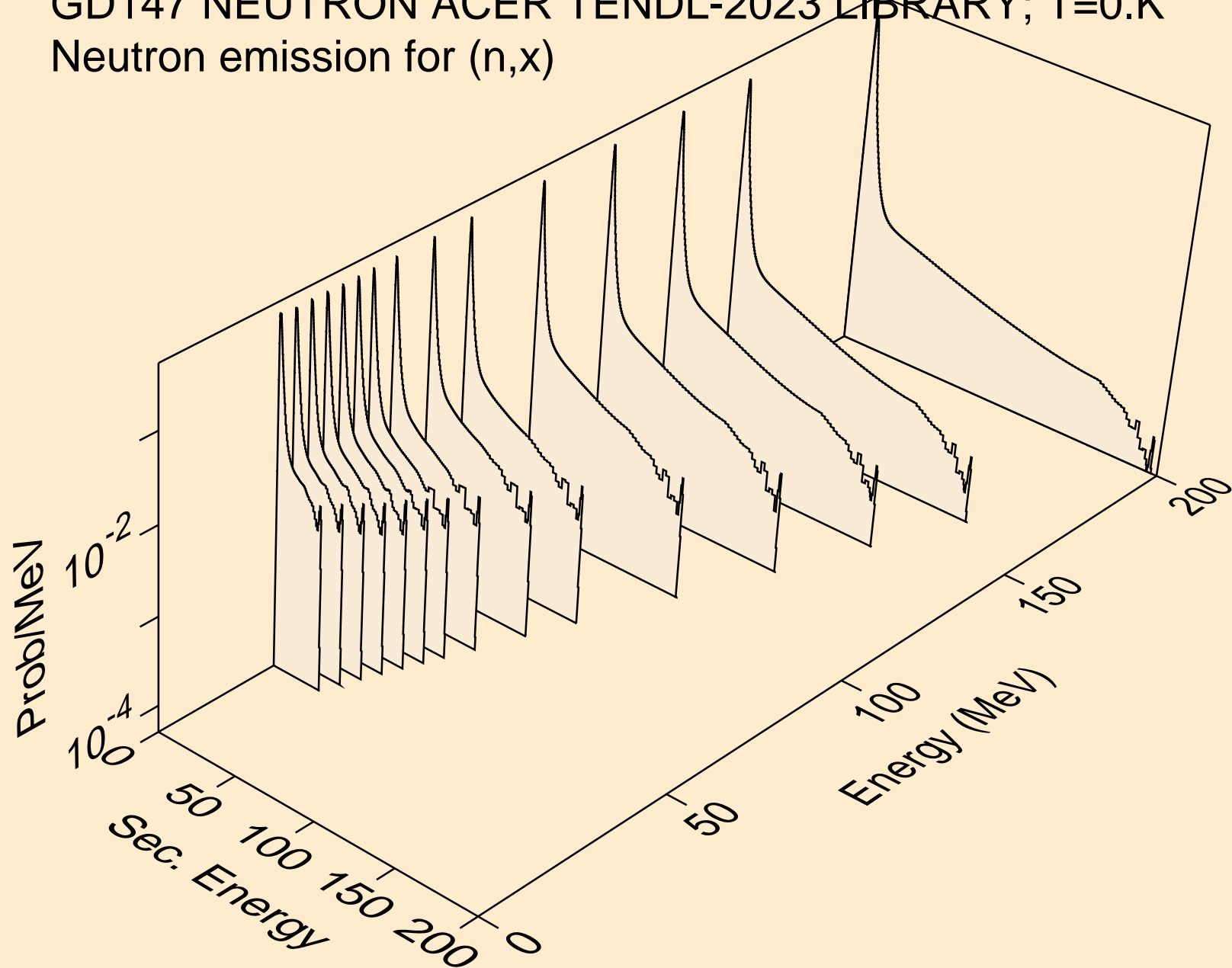
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*28)



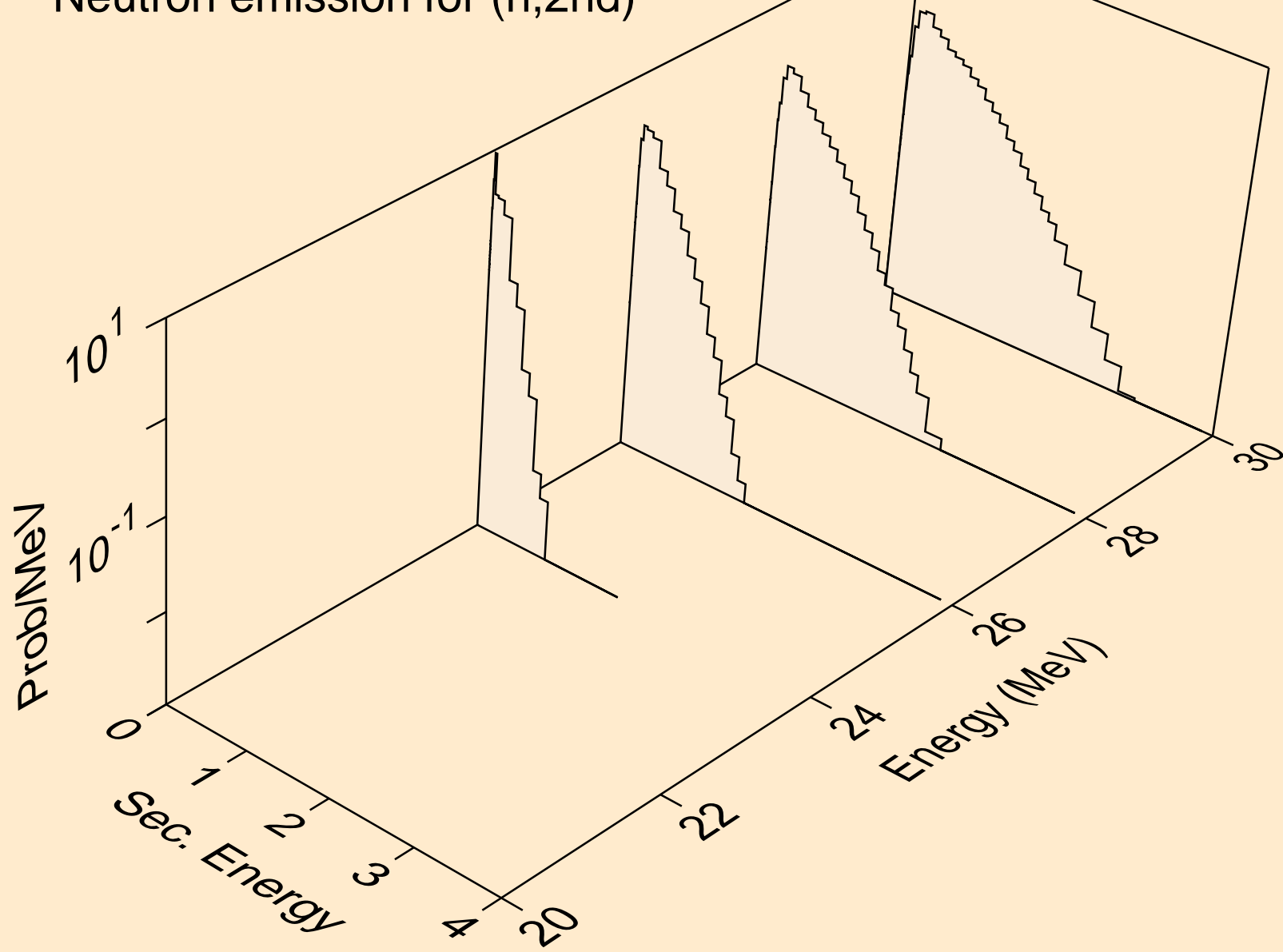
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*29)



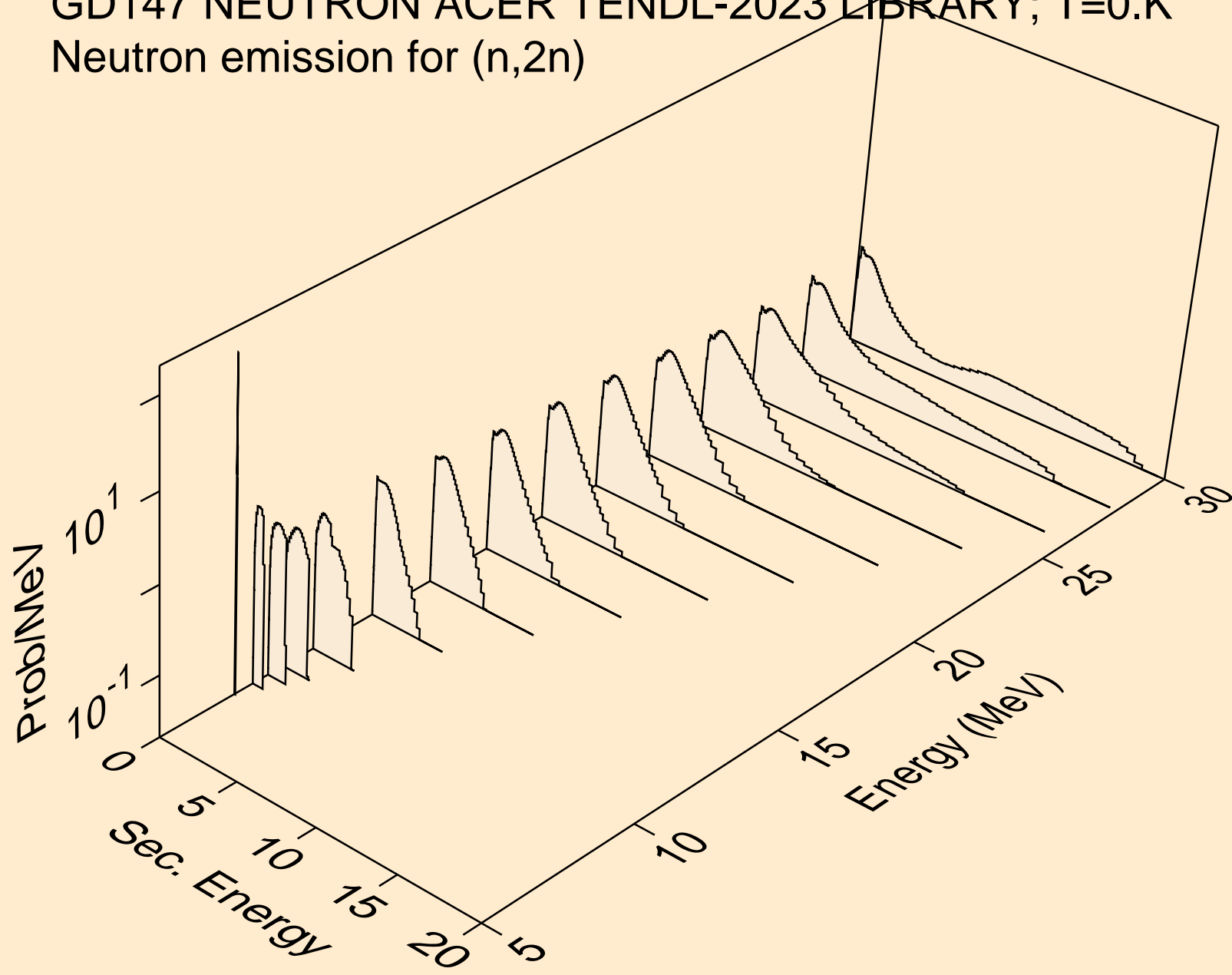
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)

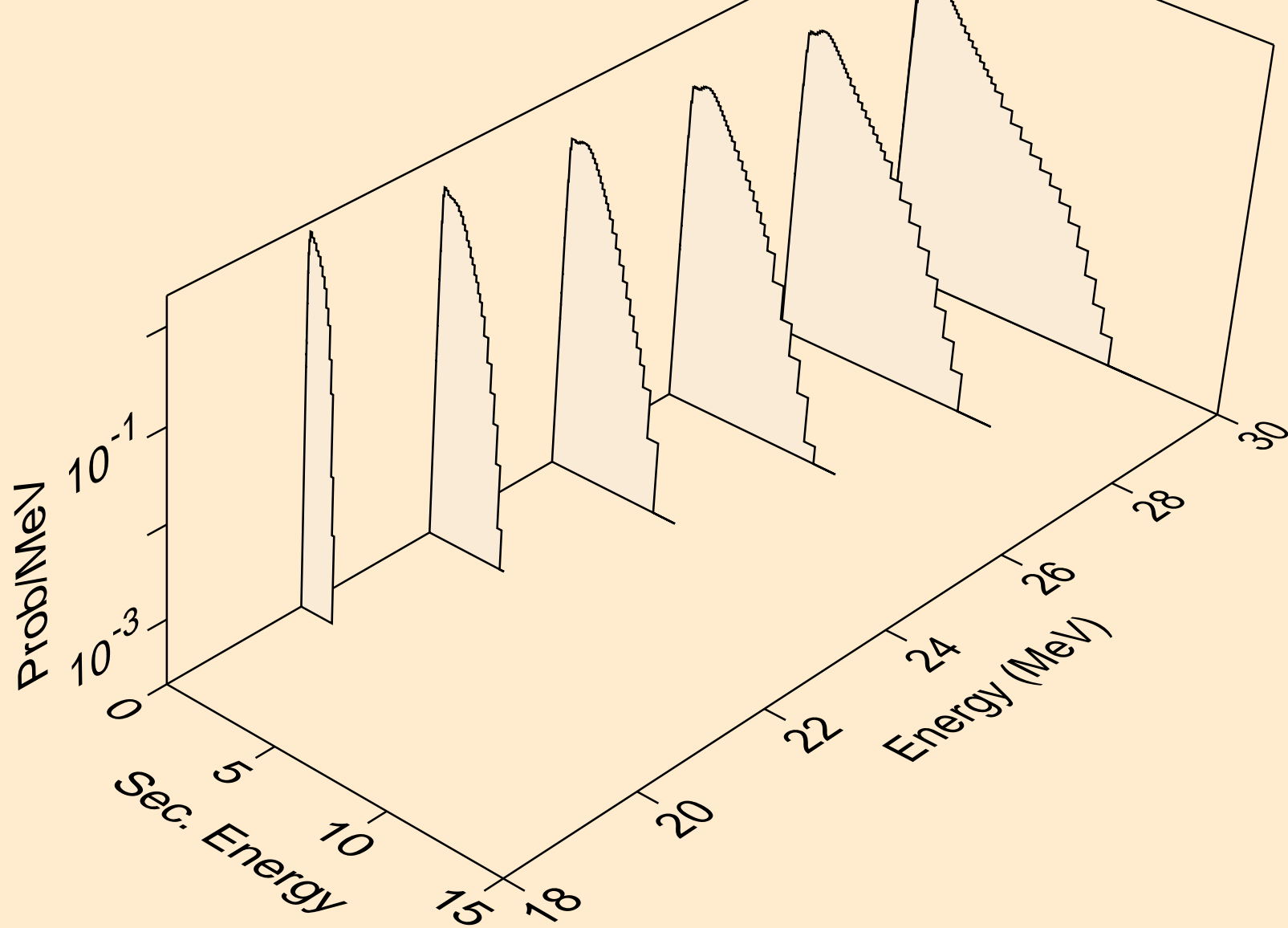


GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)

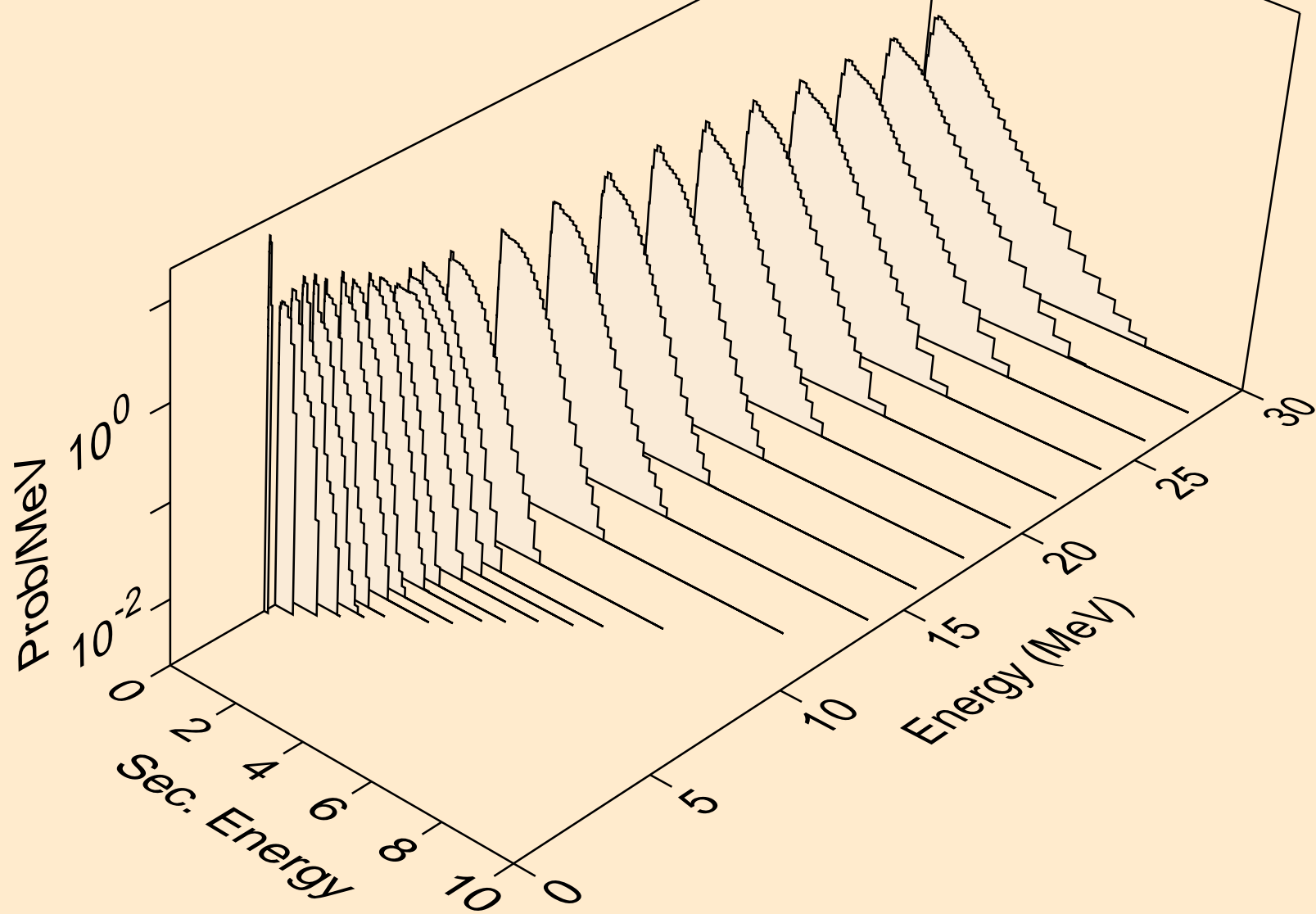




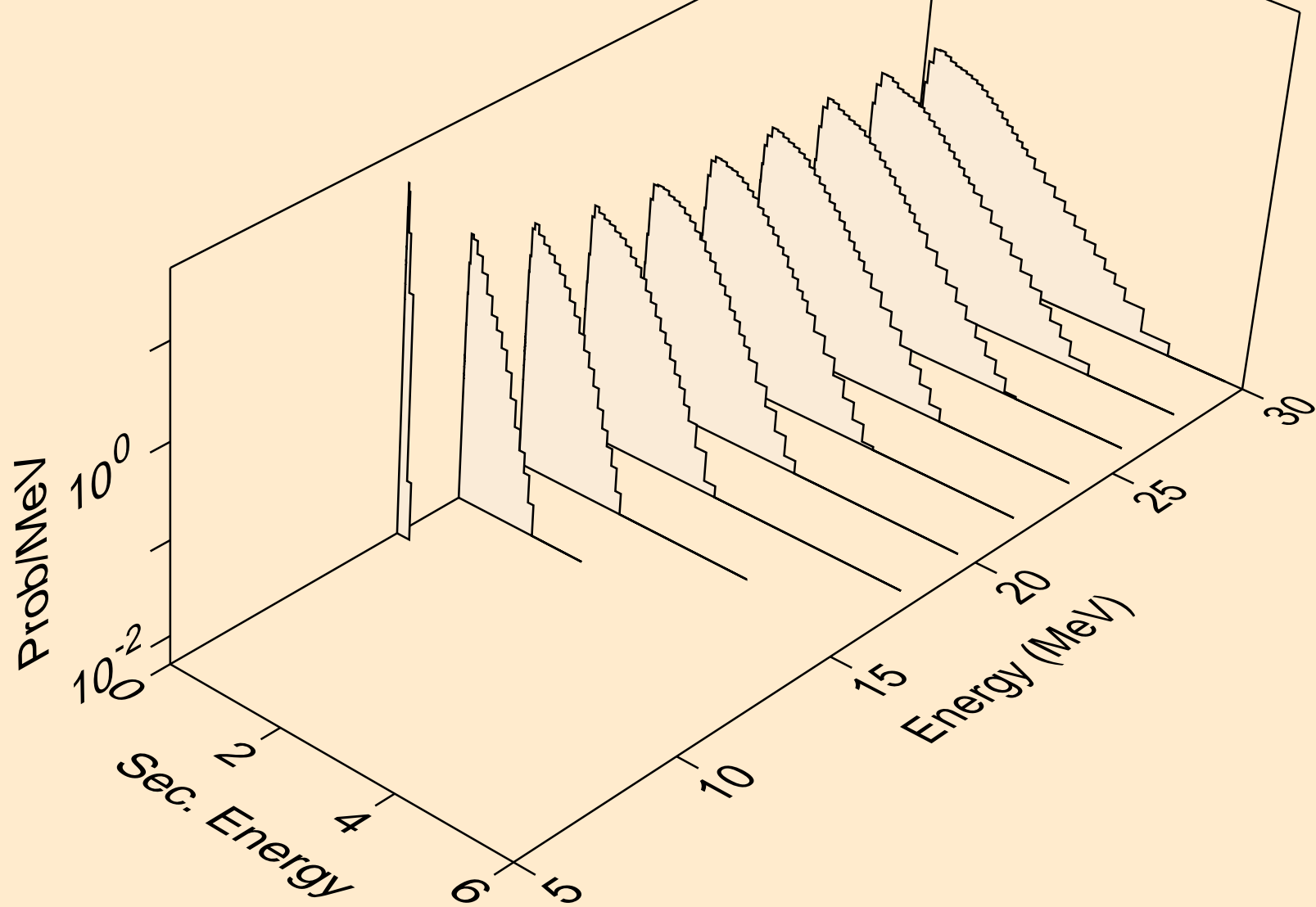
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



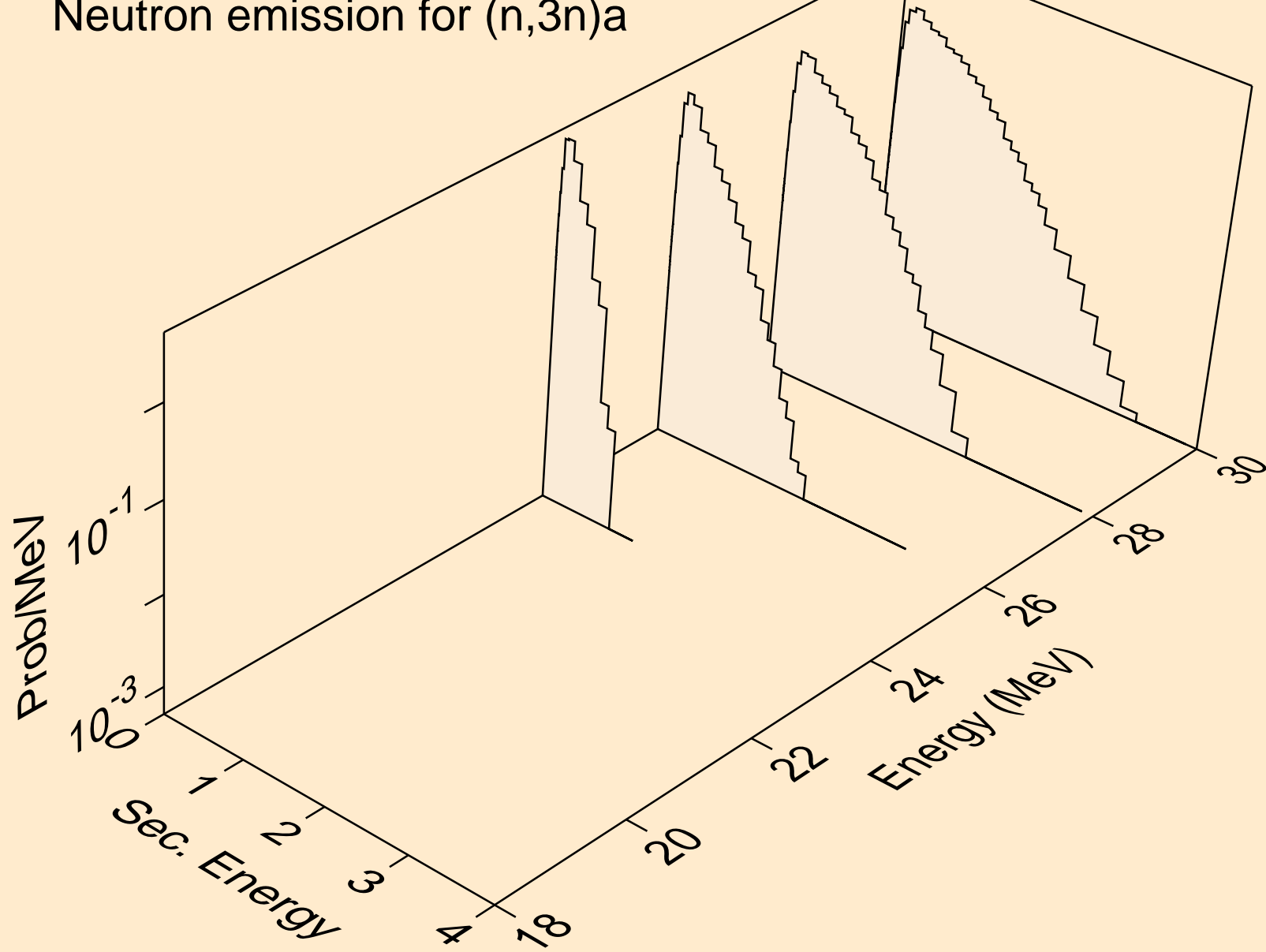
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



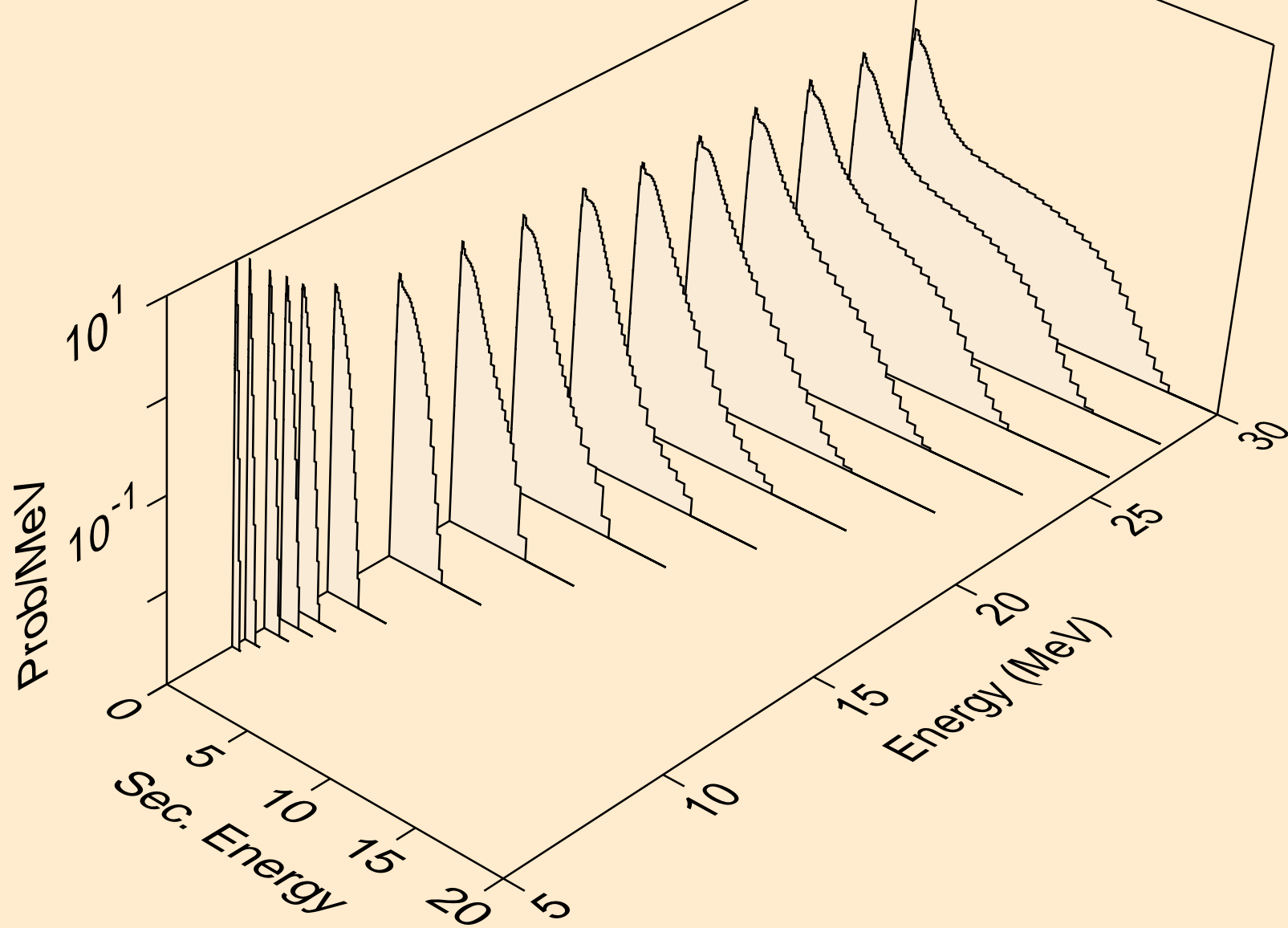
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



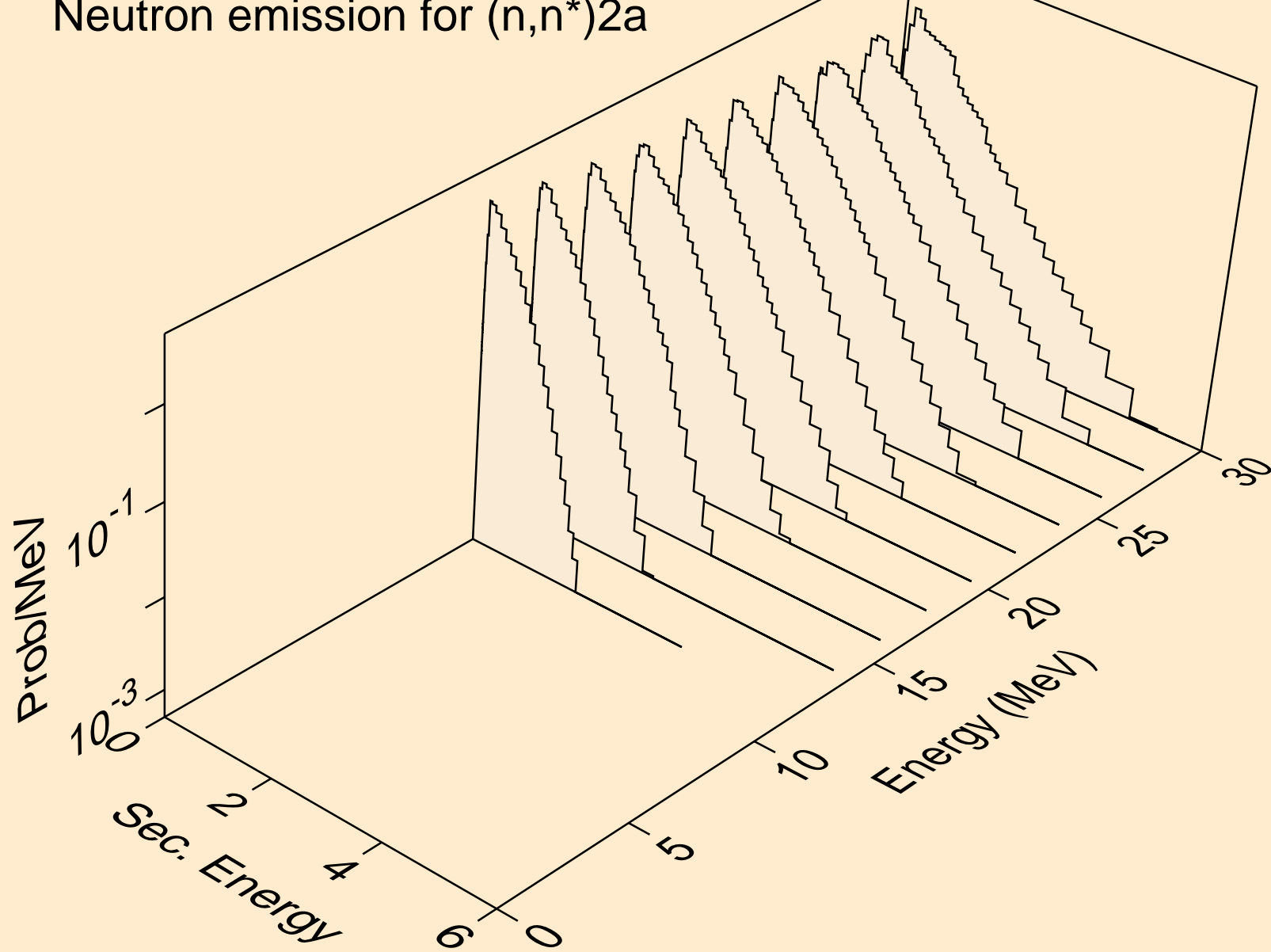
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



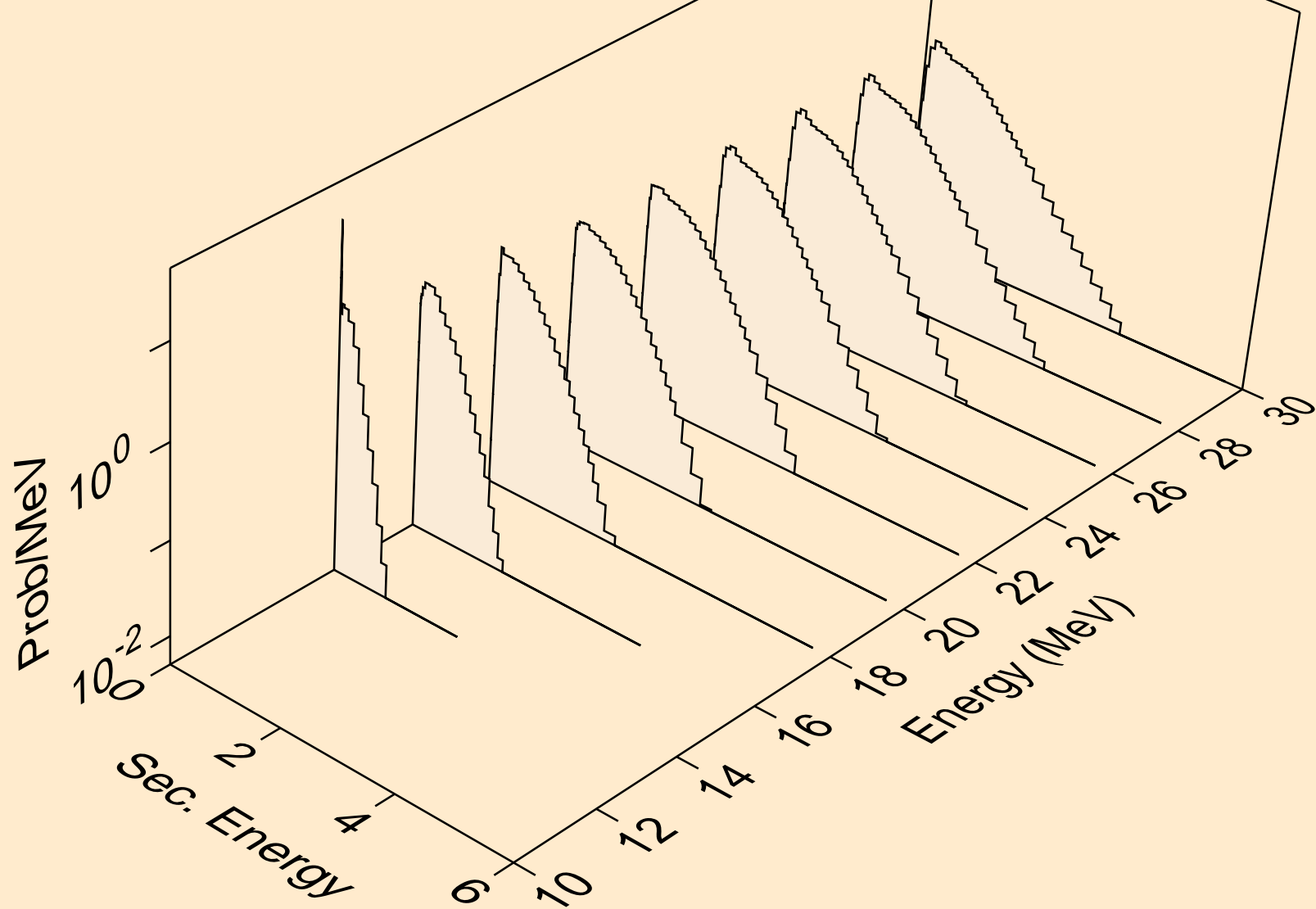
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



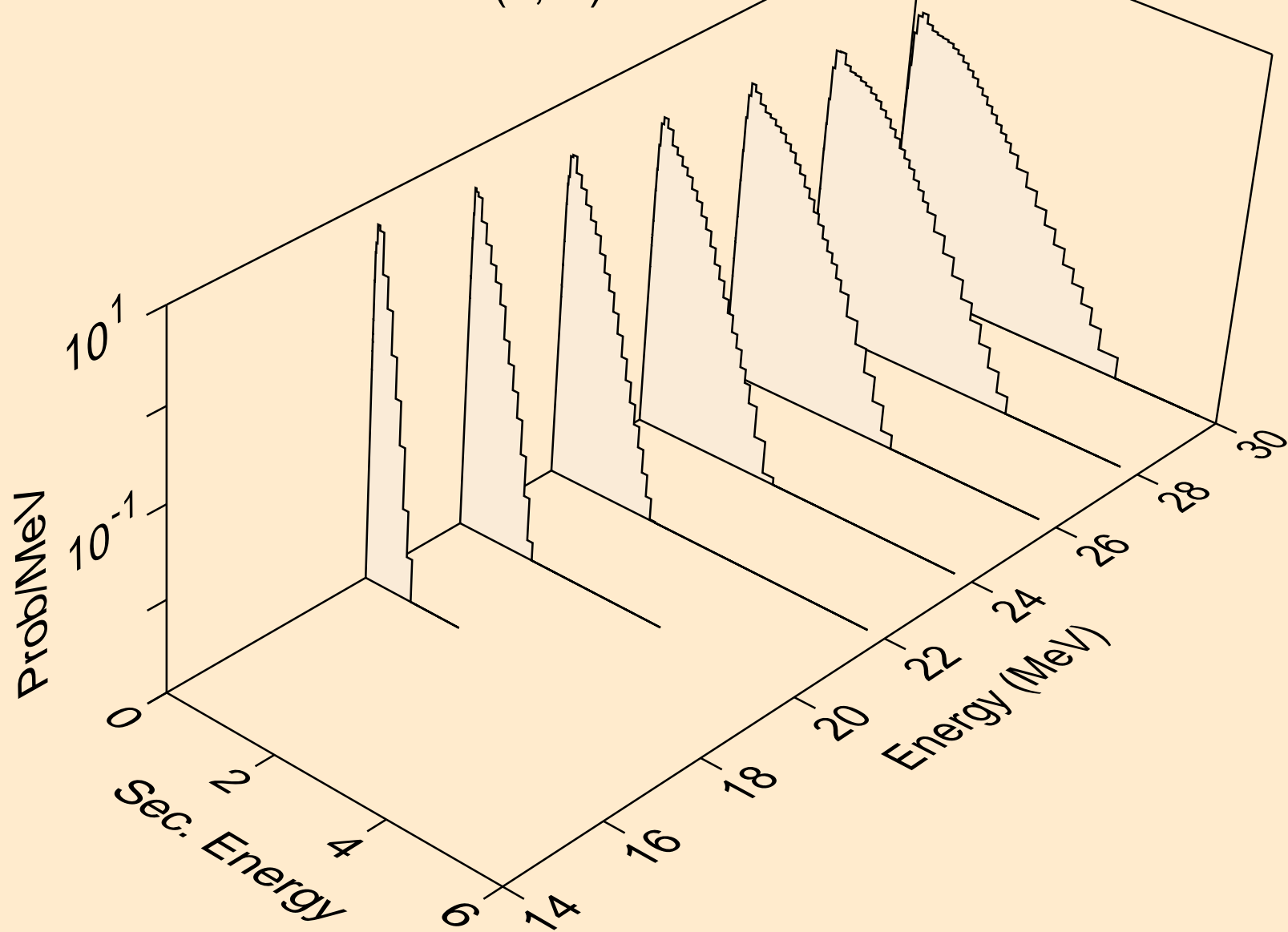
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

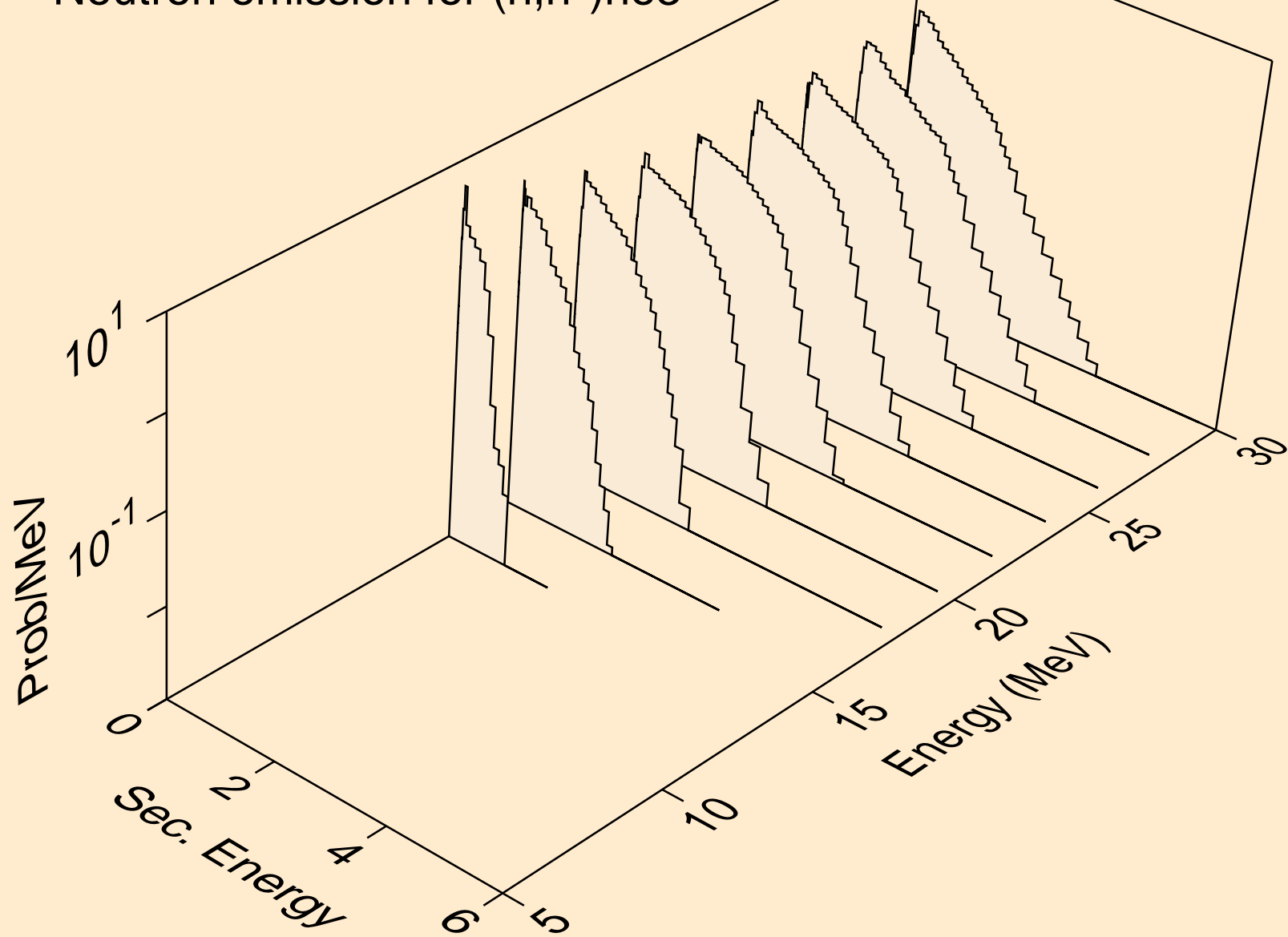


GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t

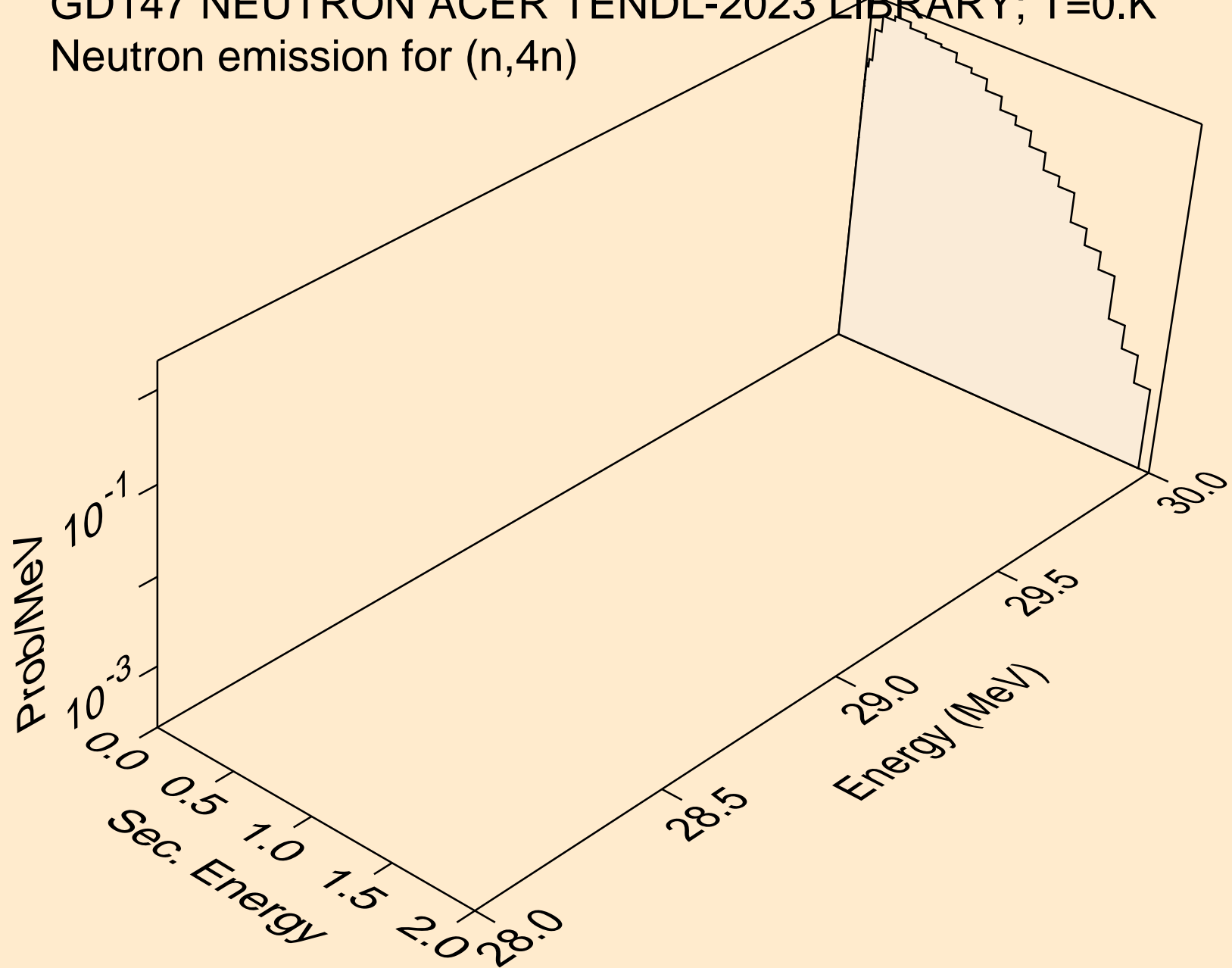




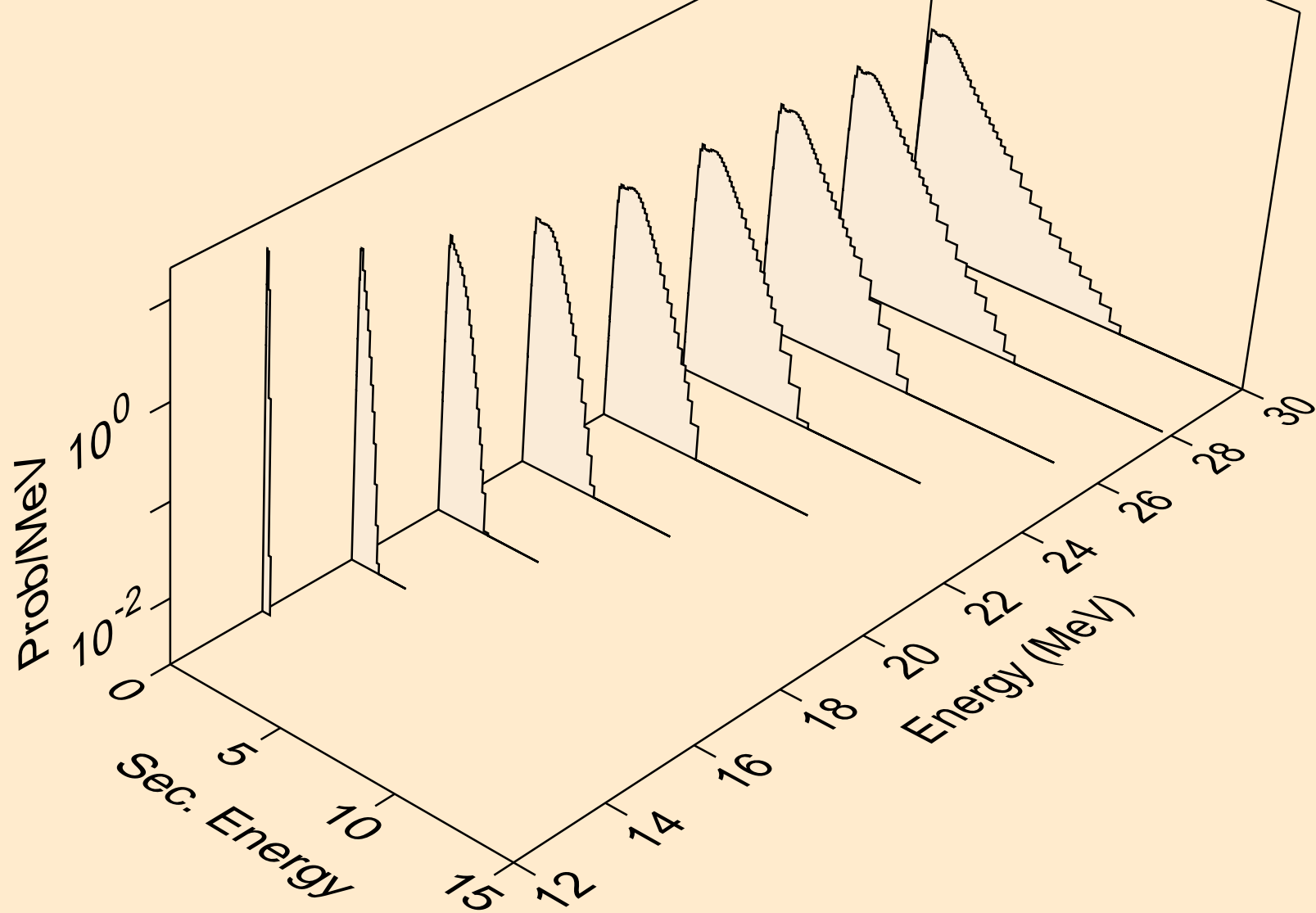
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



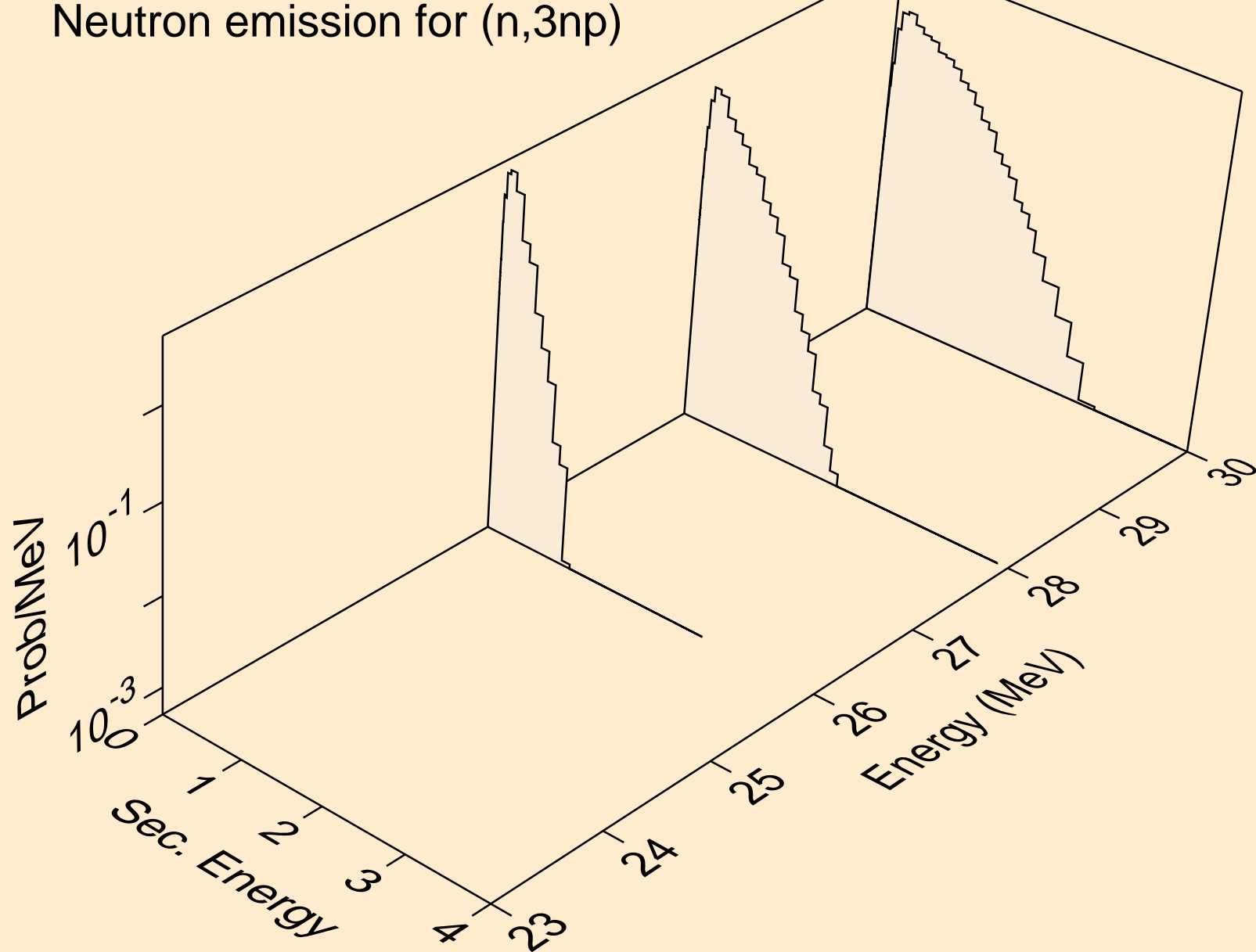
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



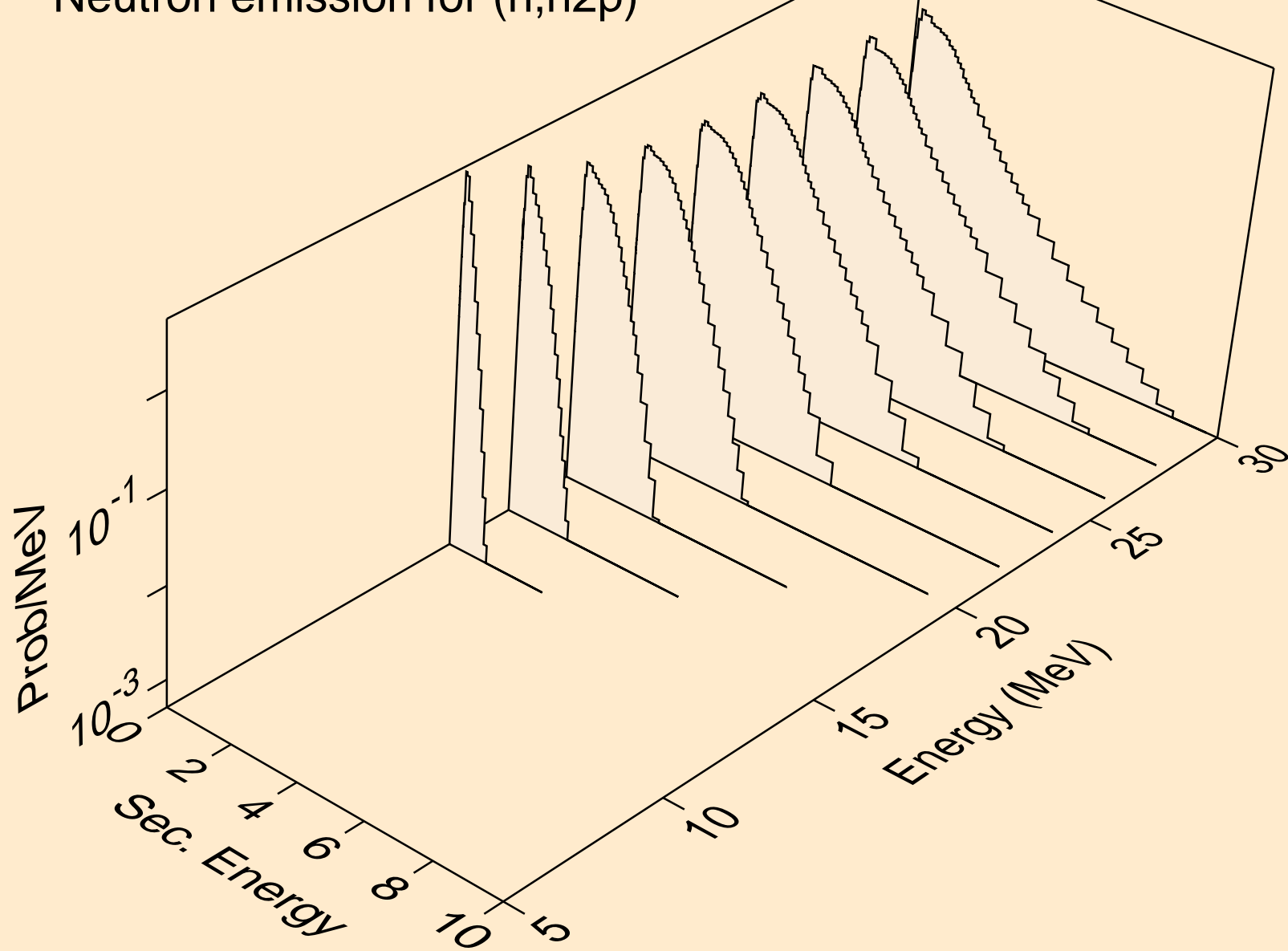
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



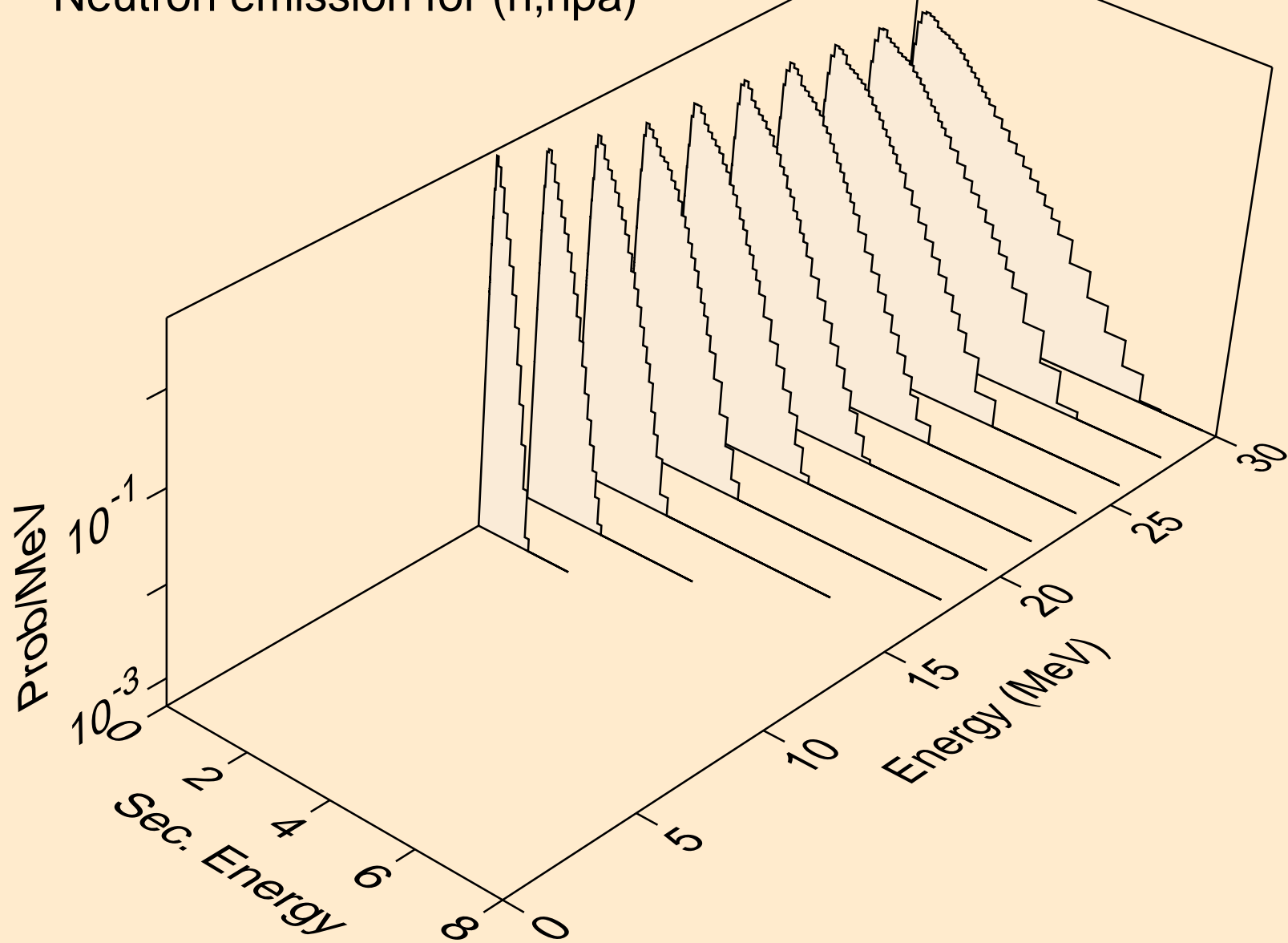
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



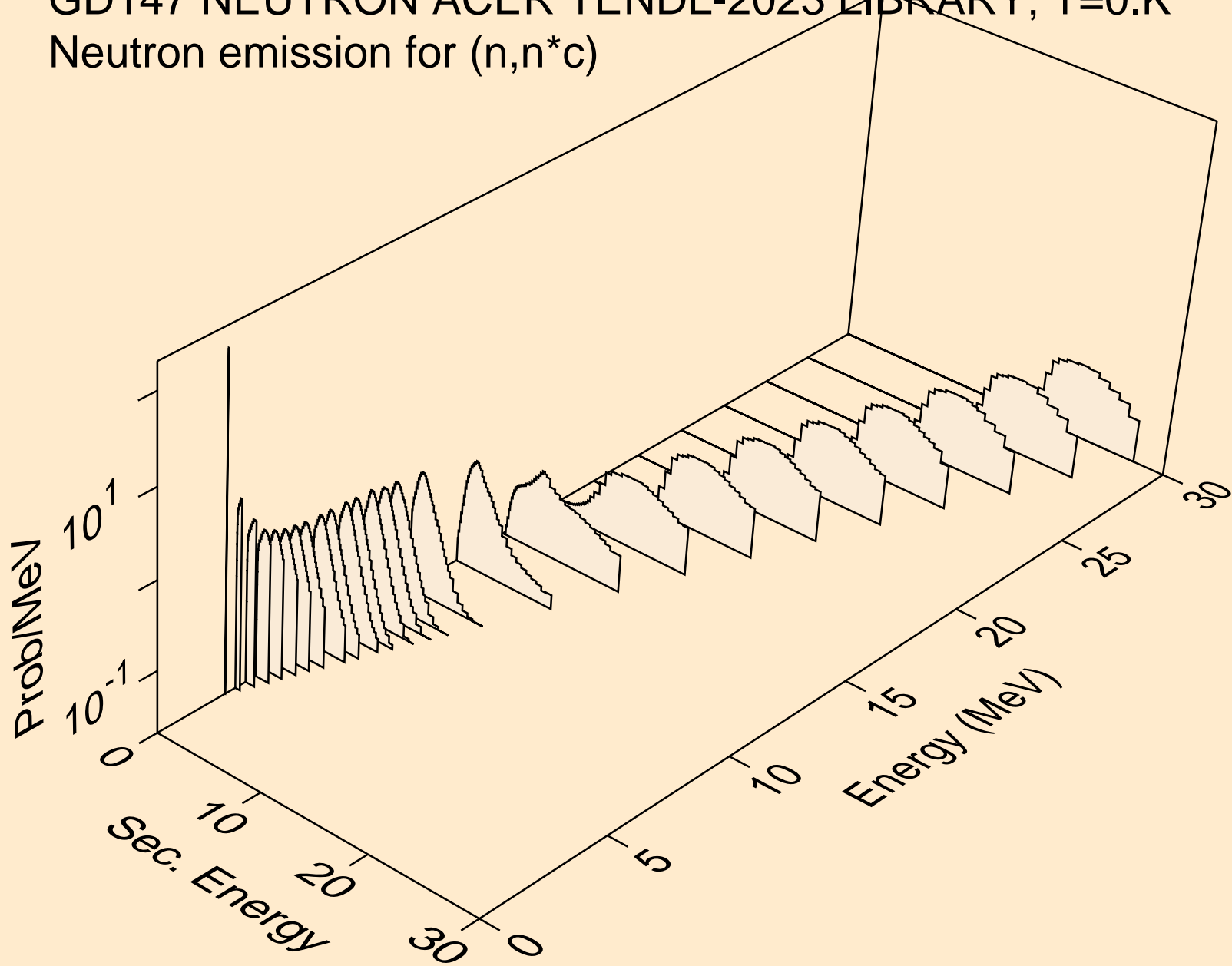
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



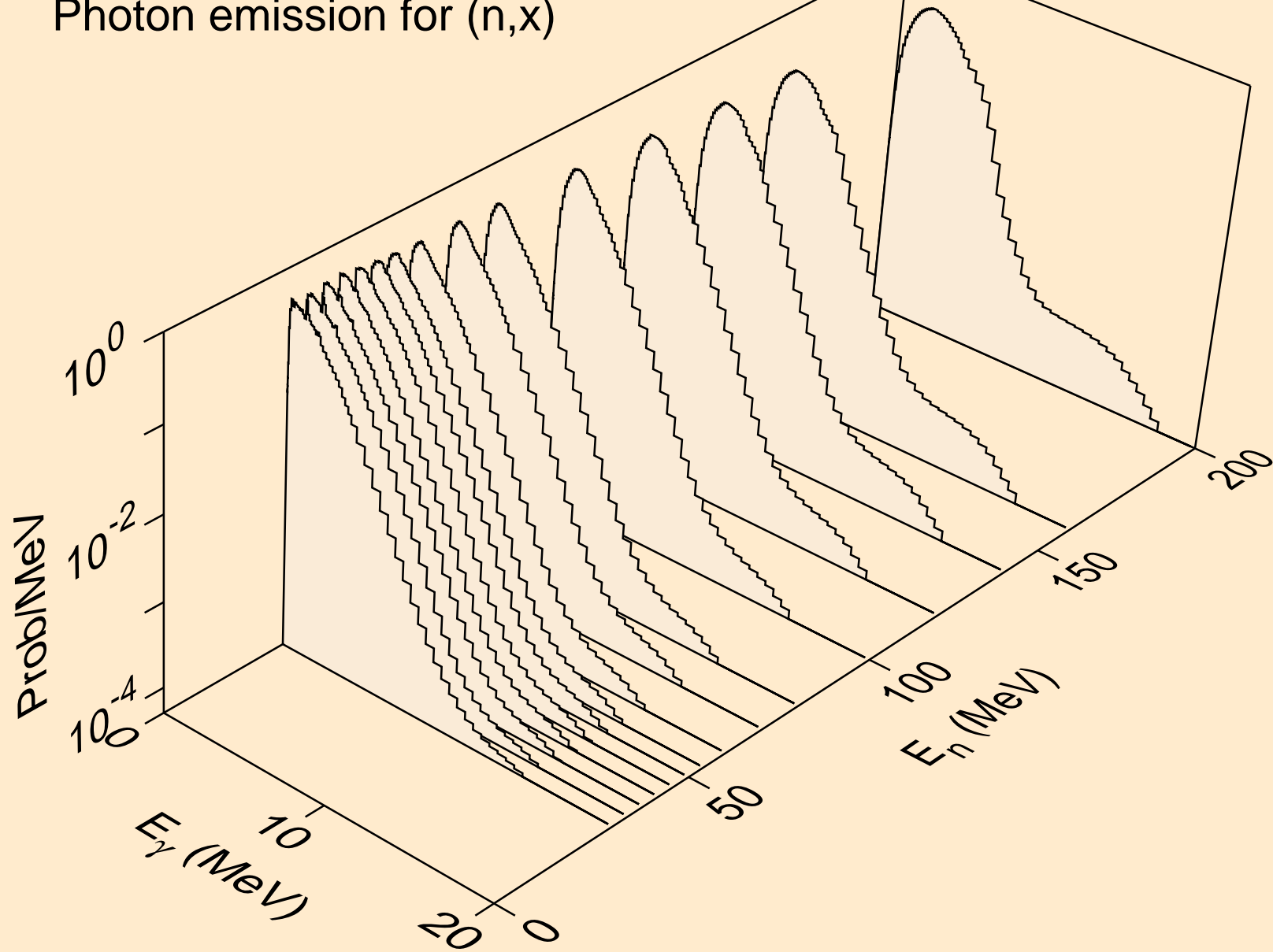
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)

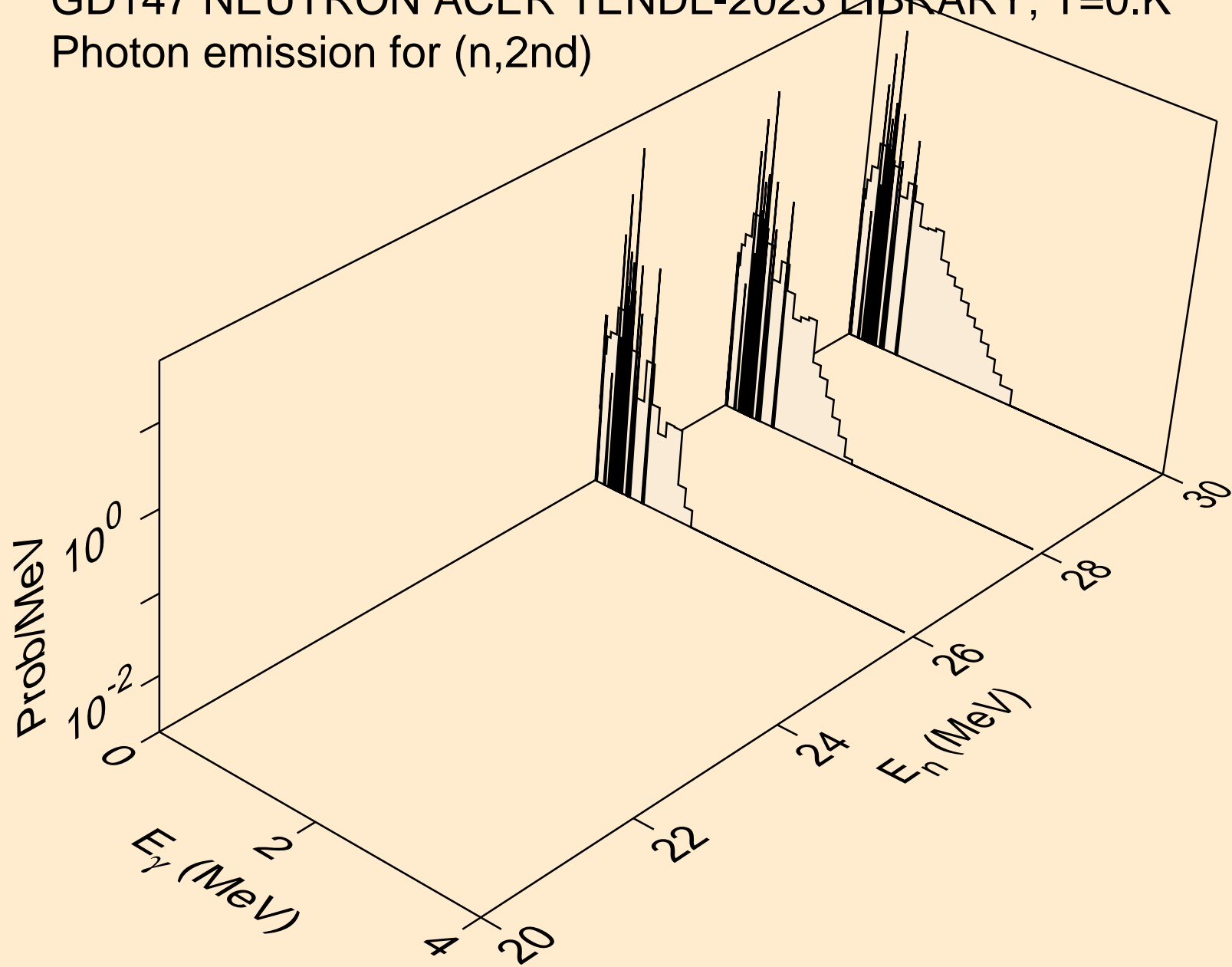


GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)

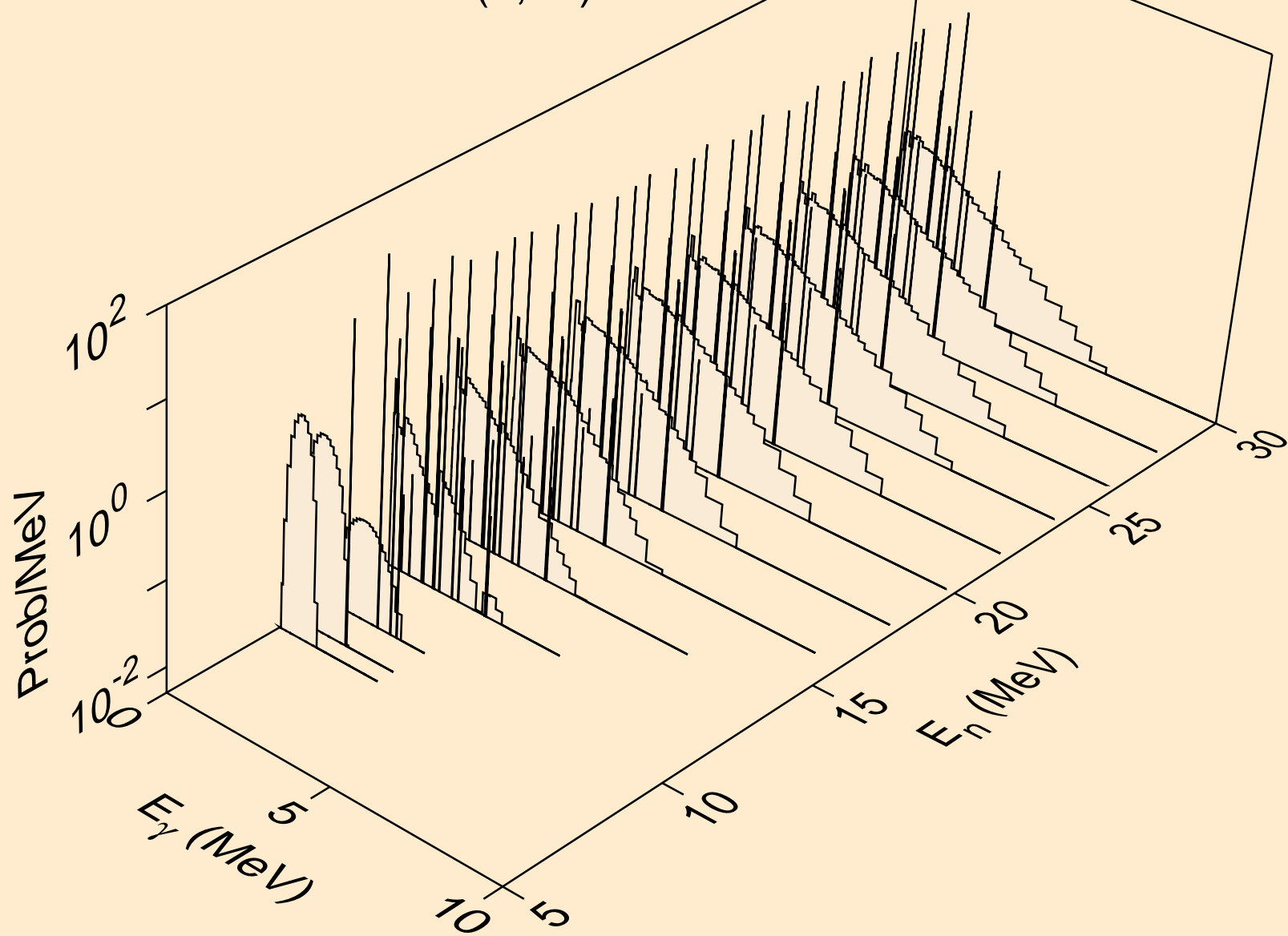




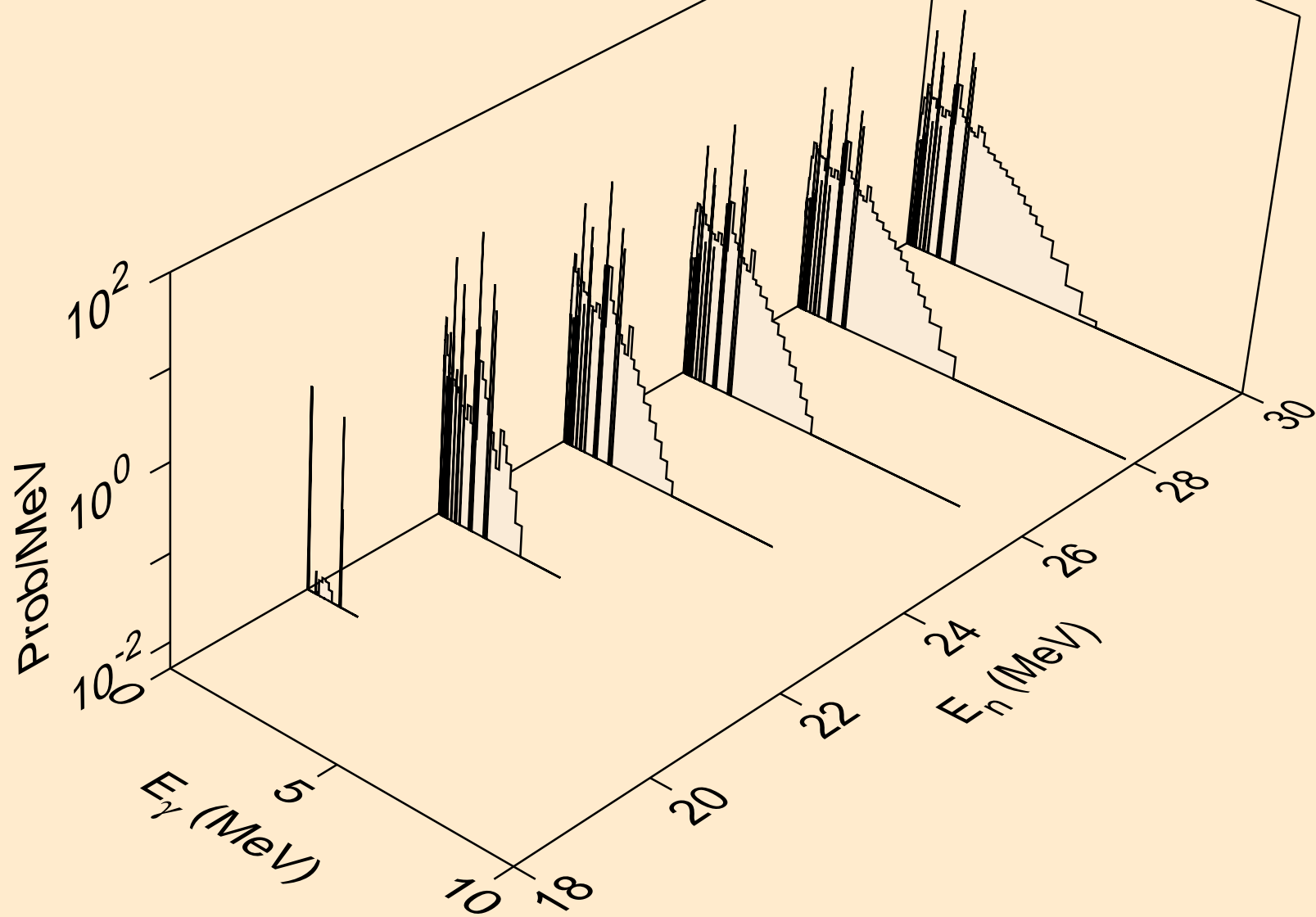
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



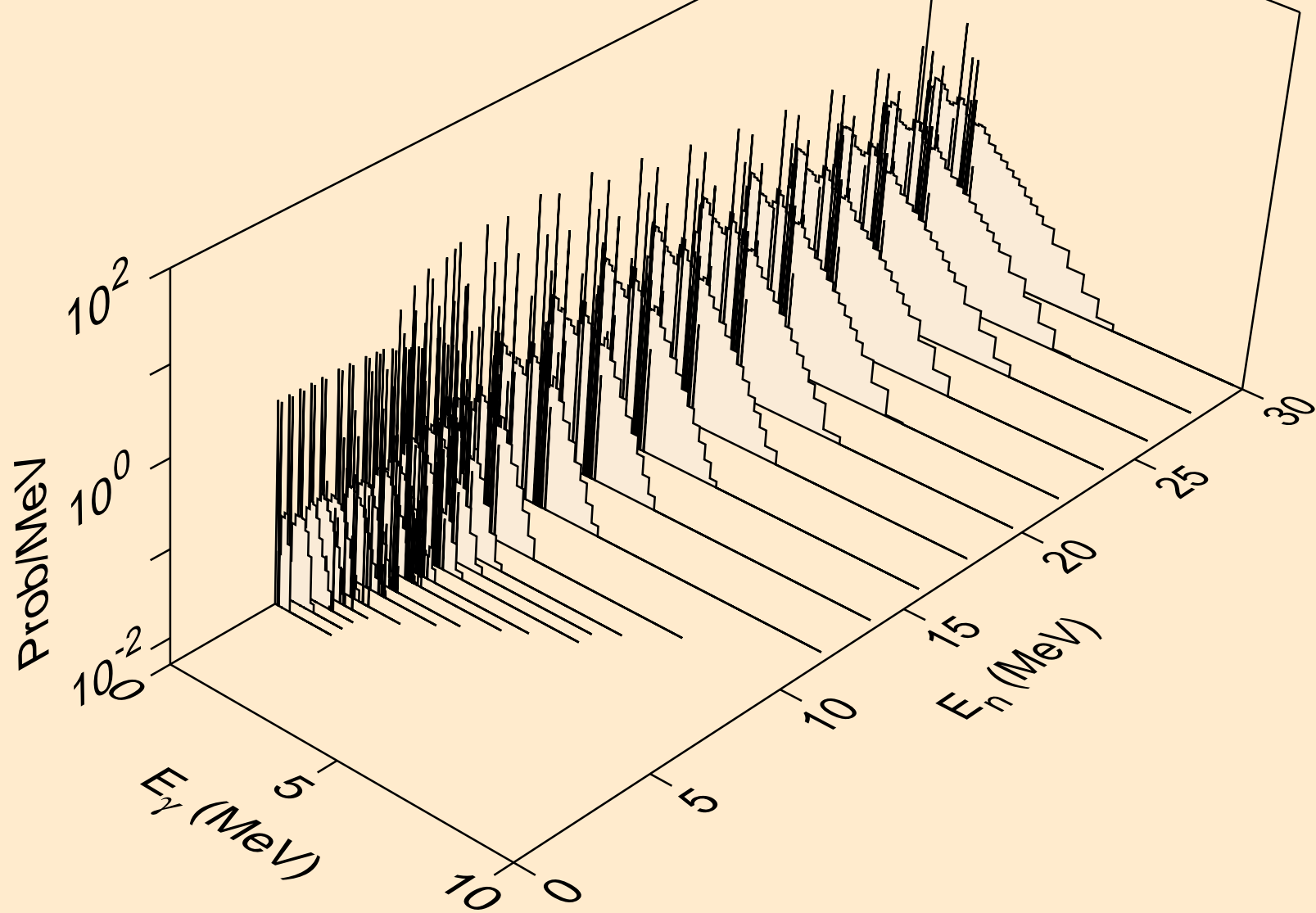
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



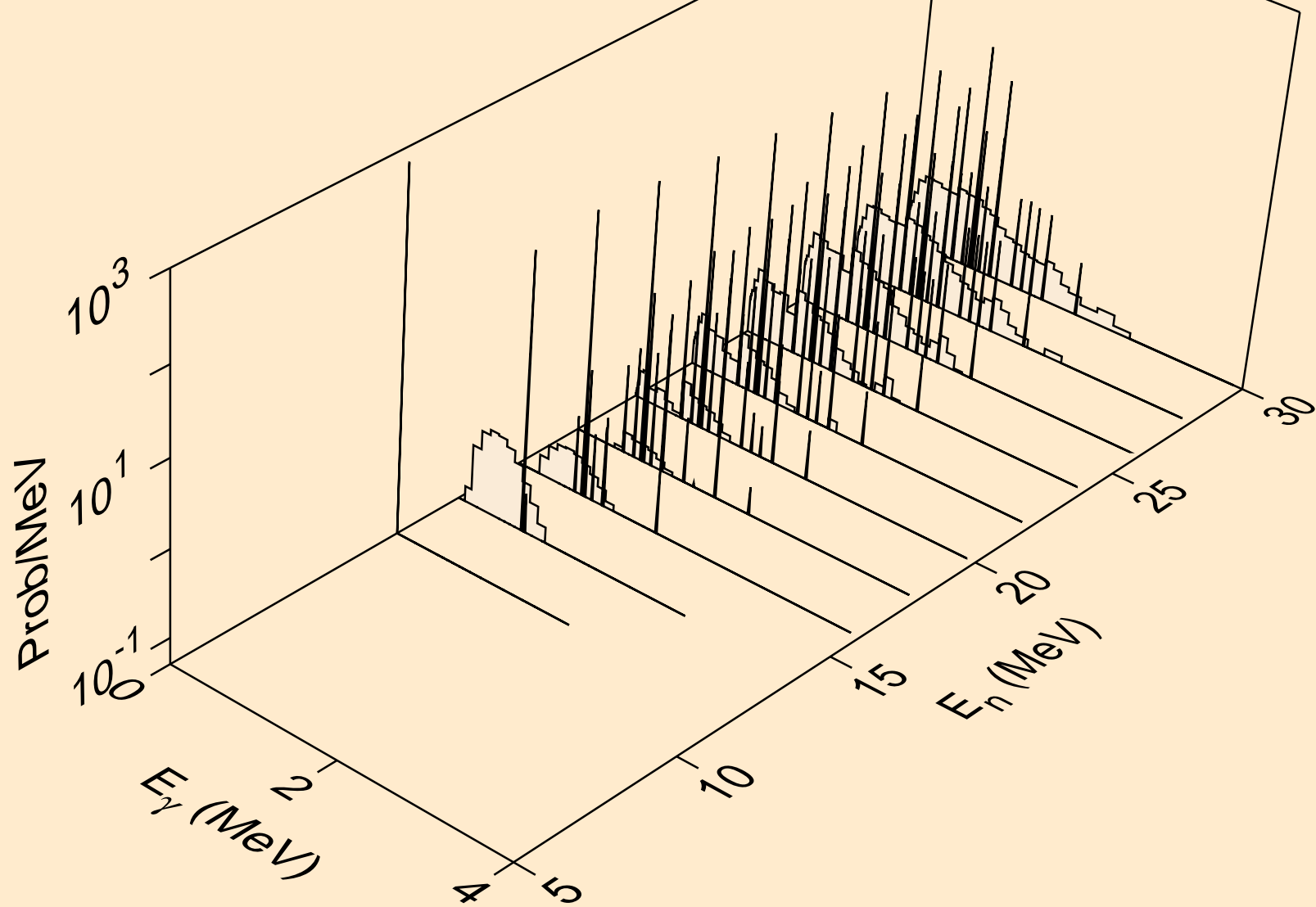
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



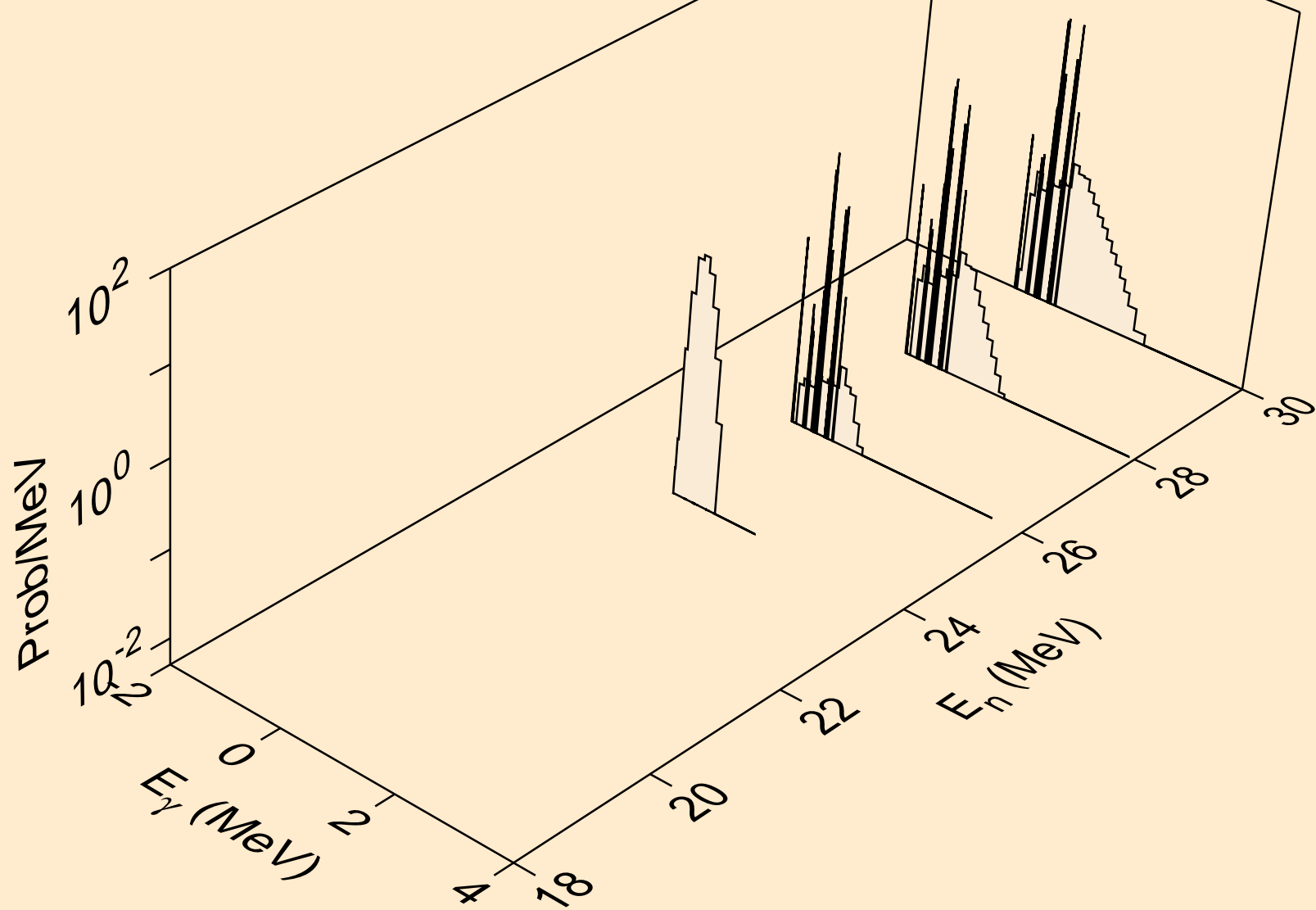
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



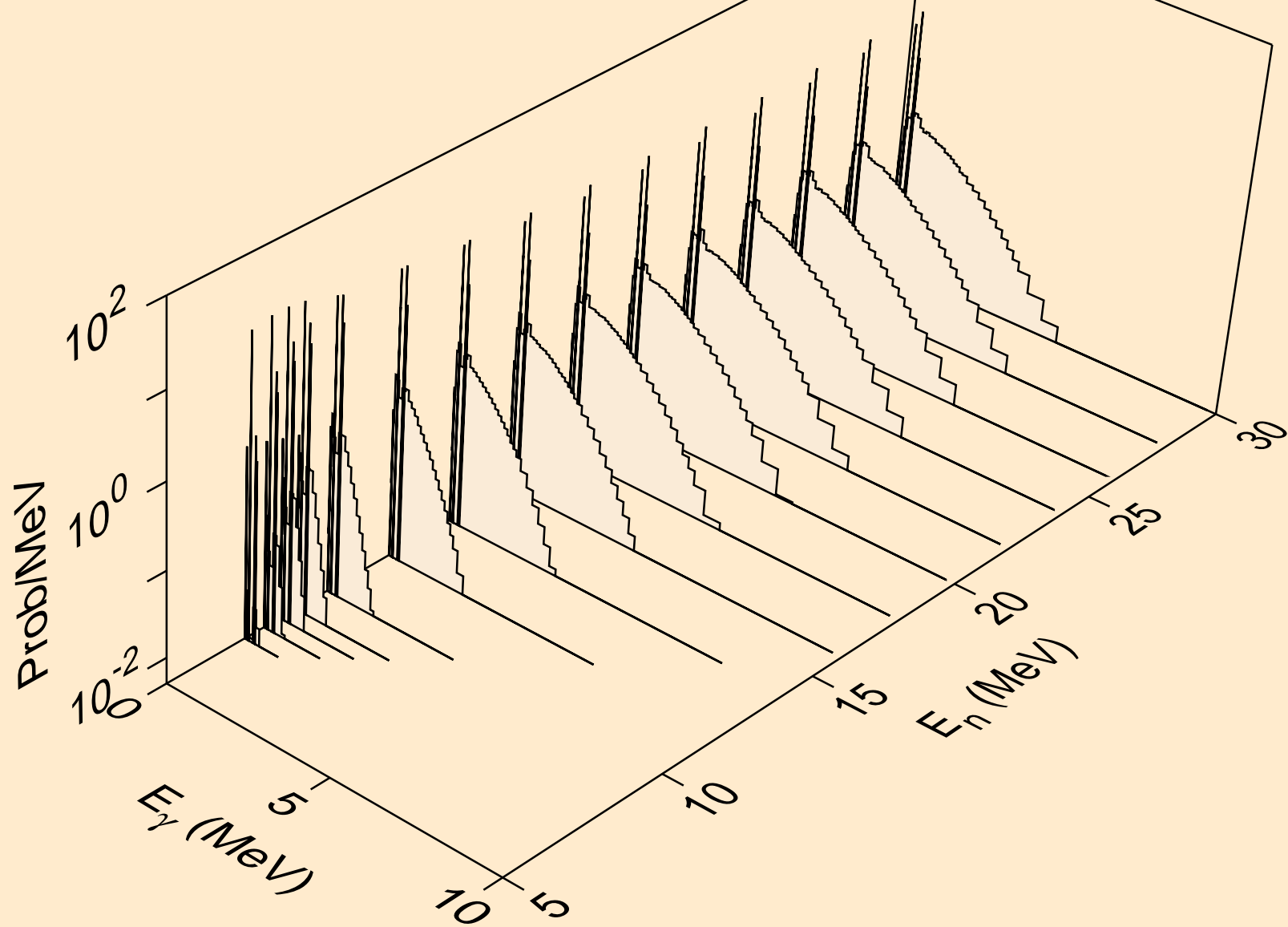
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



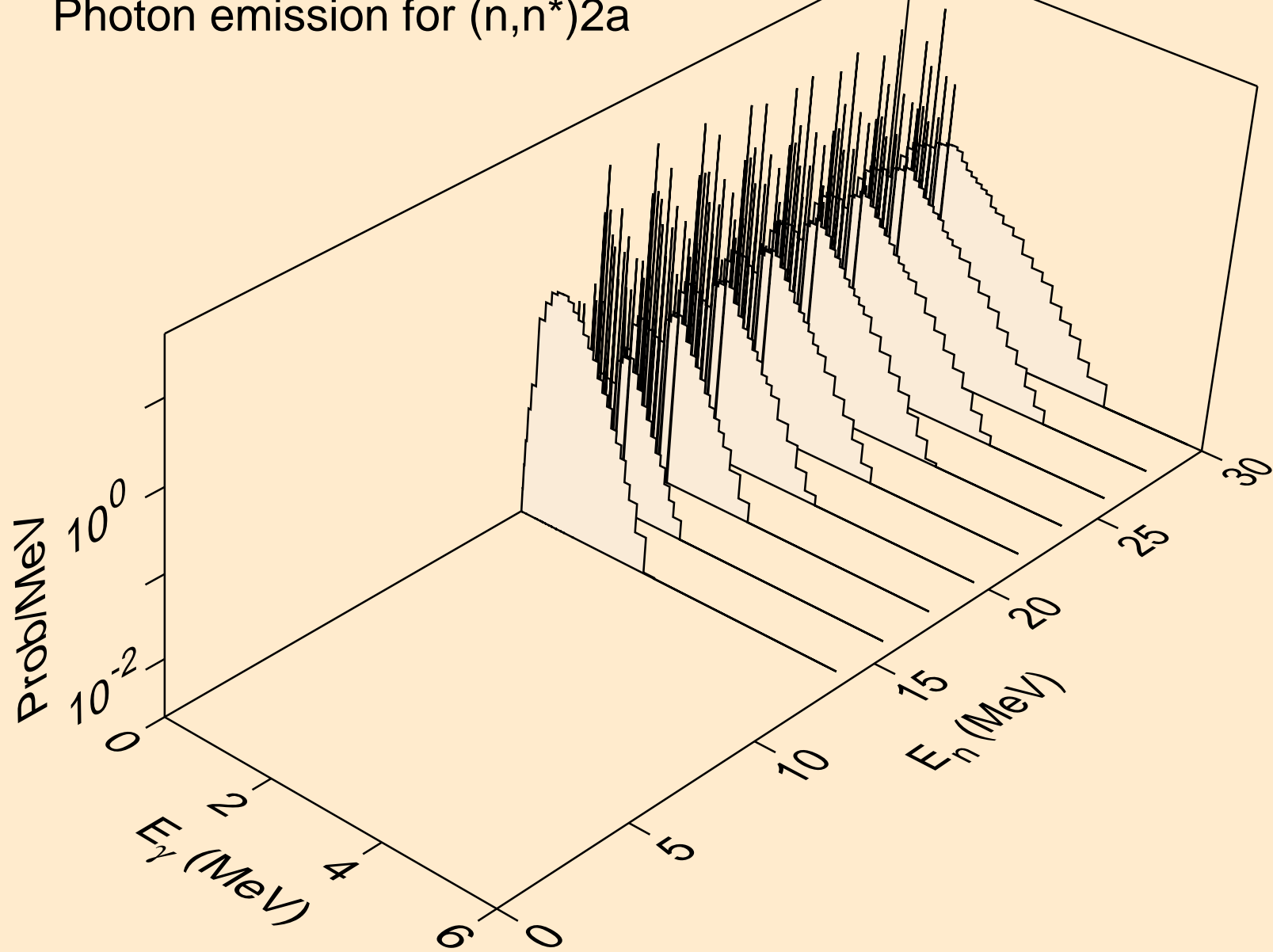
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

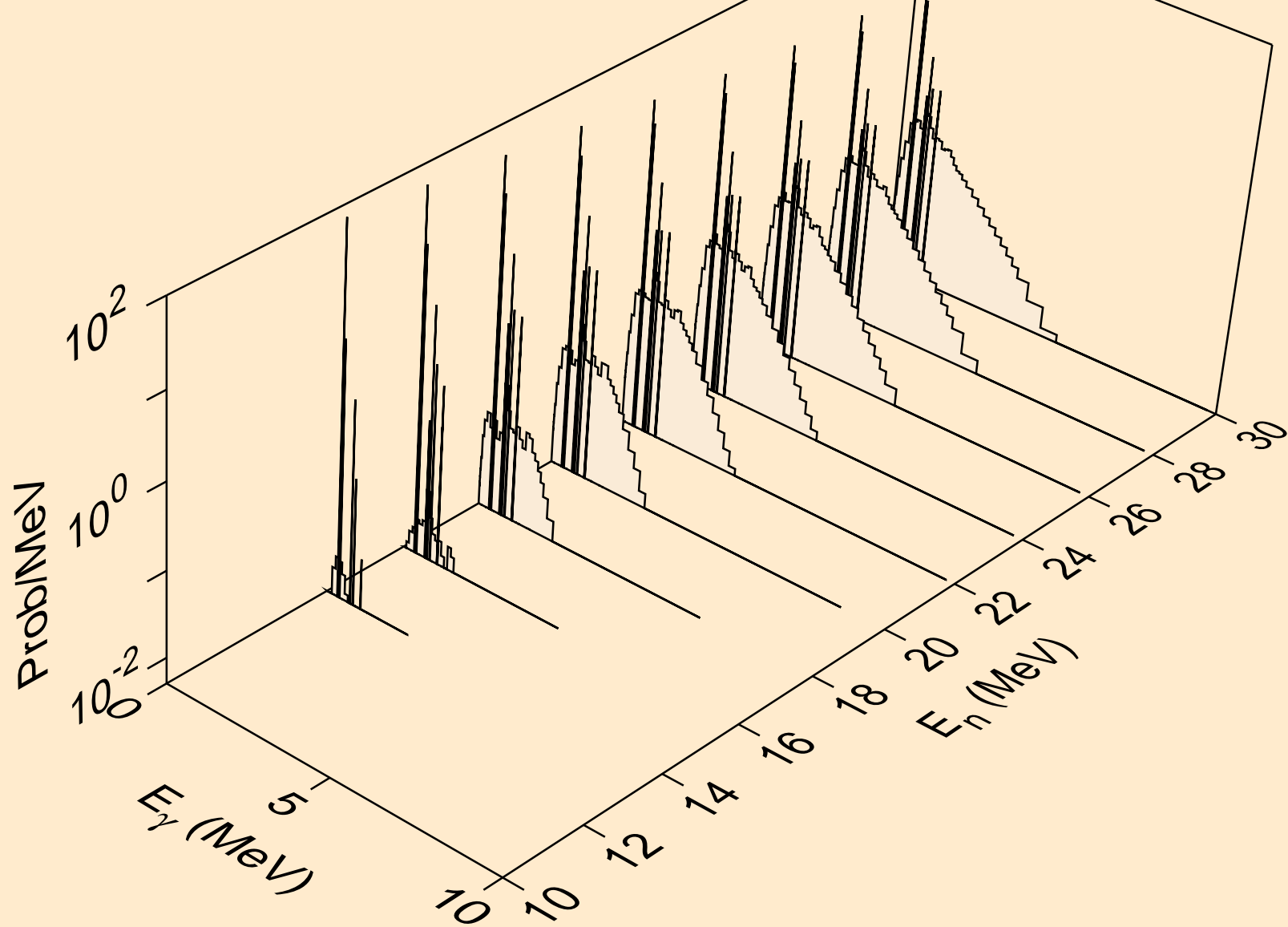


GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

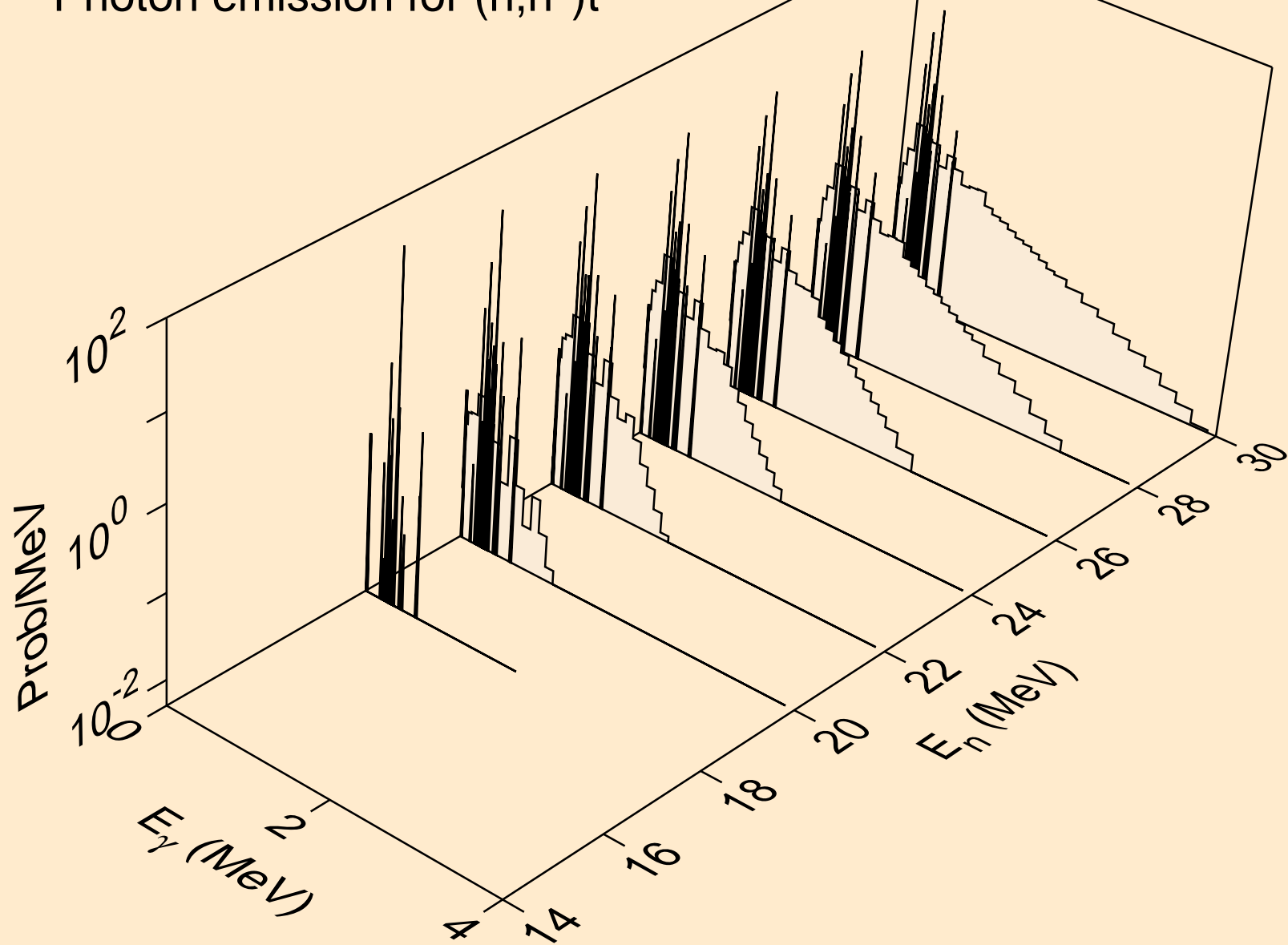




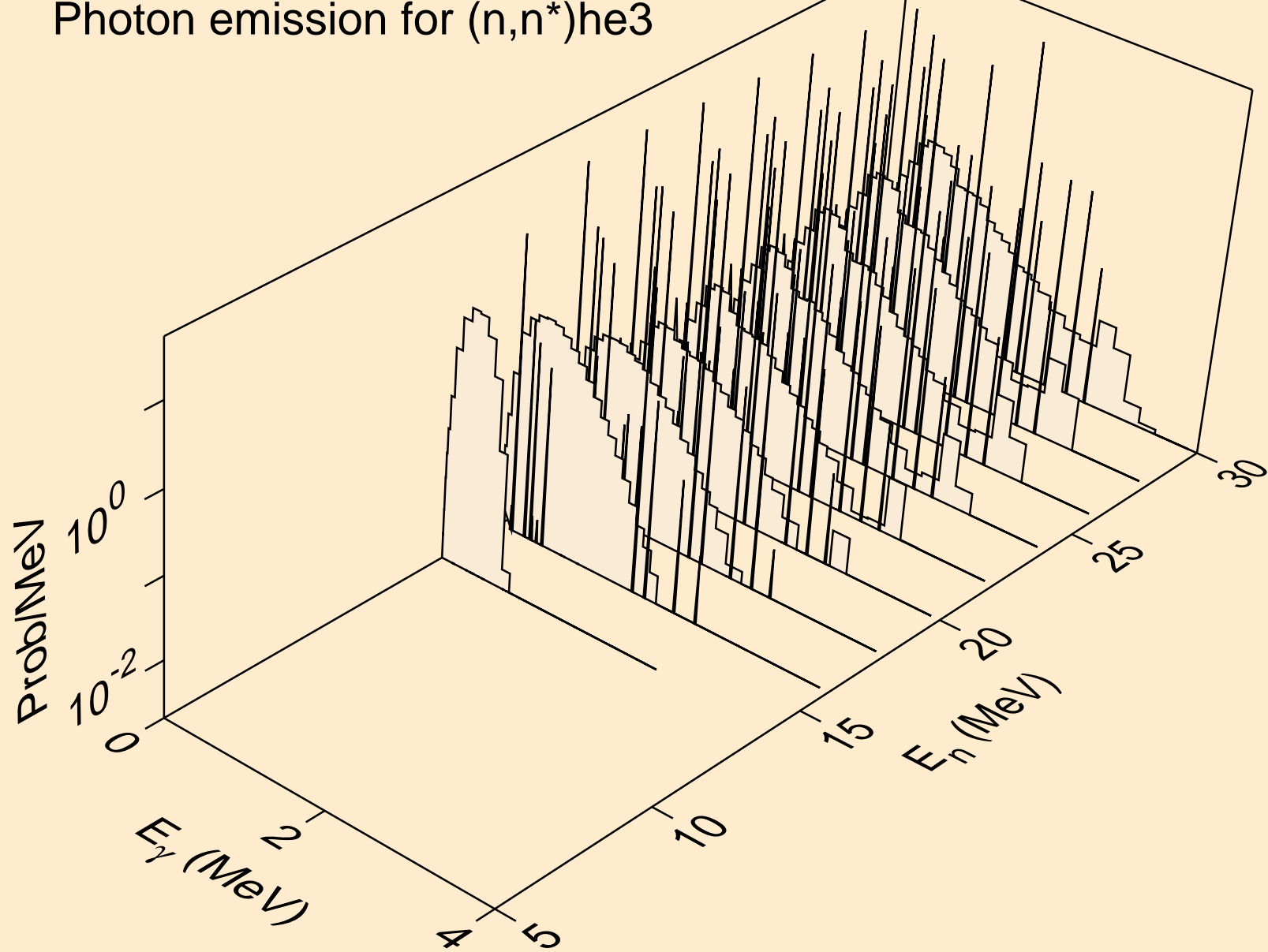
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



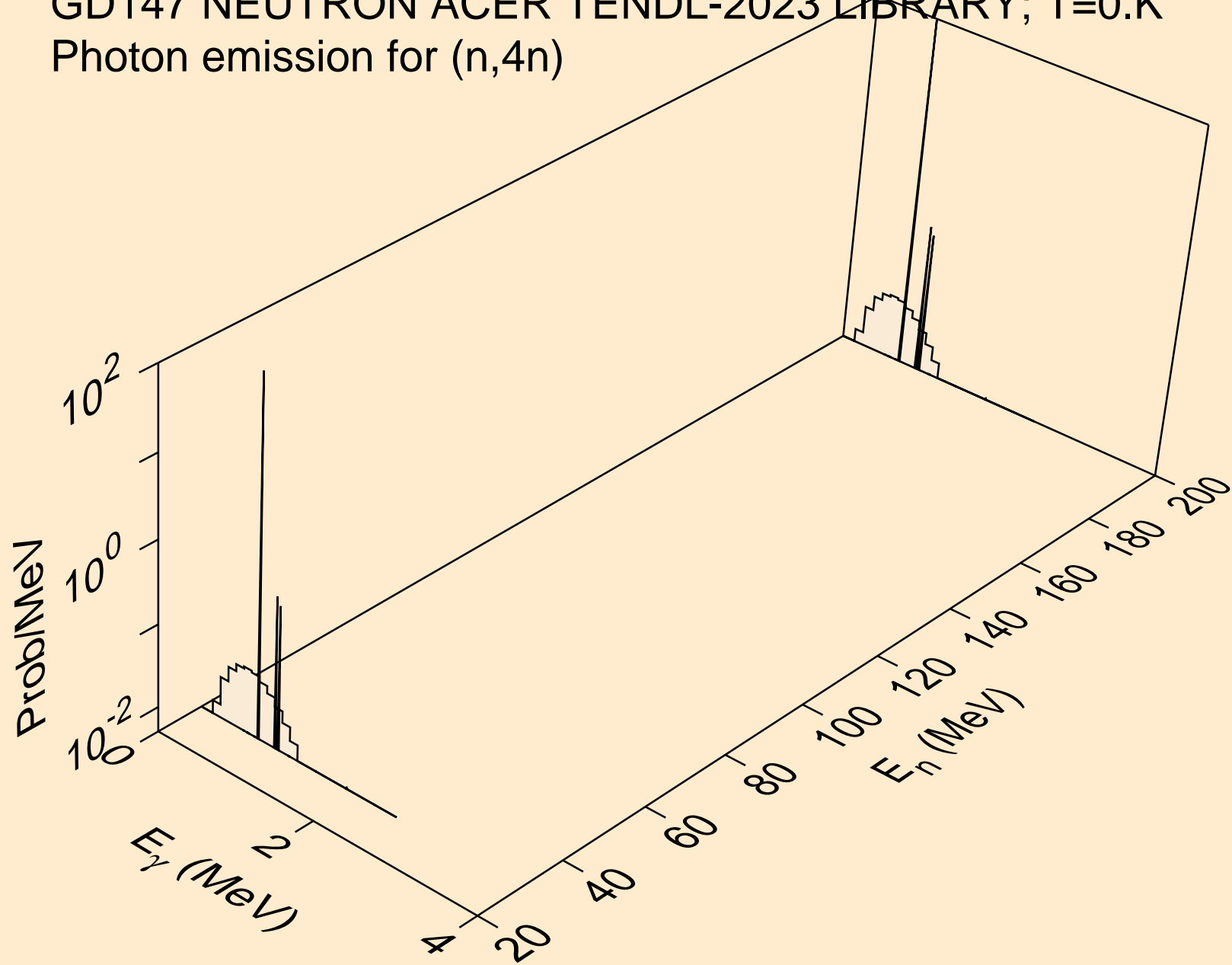
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



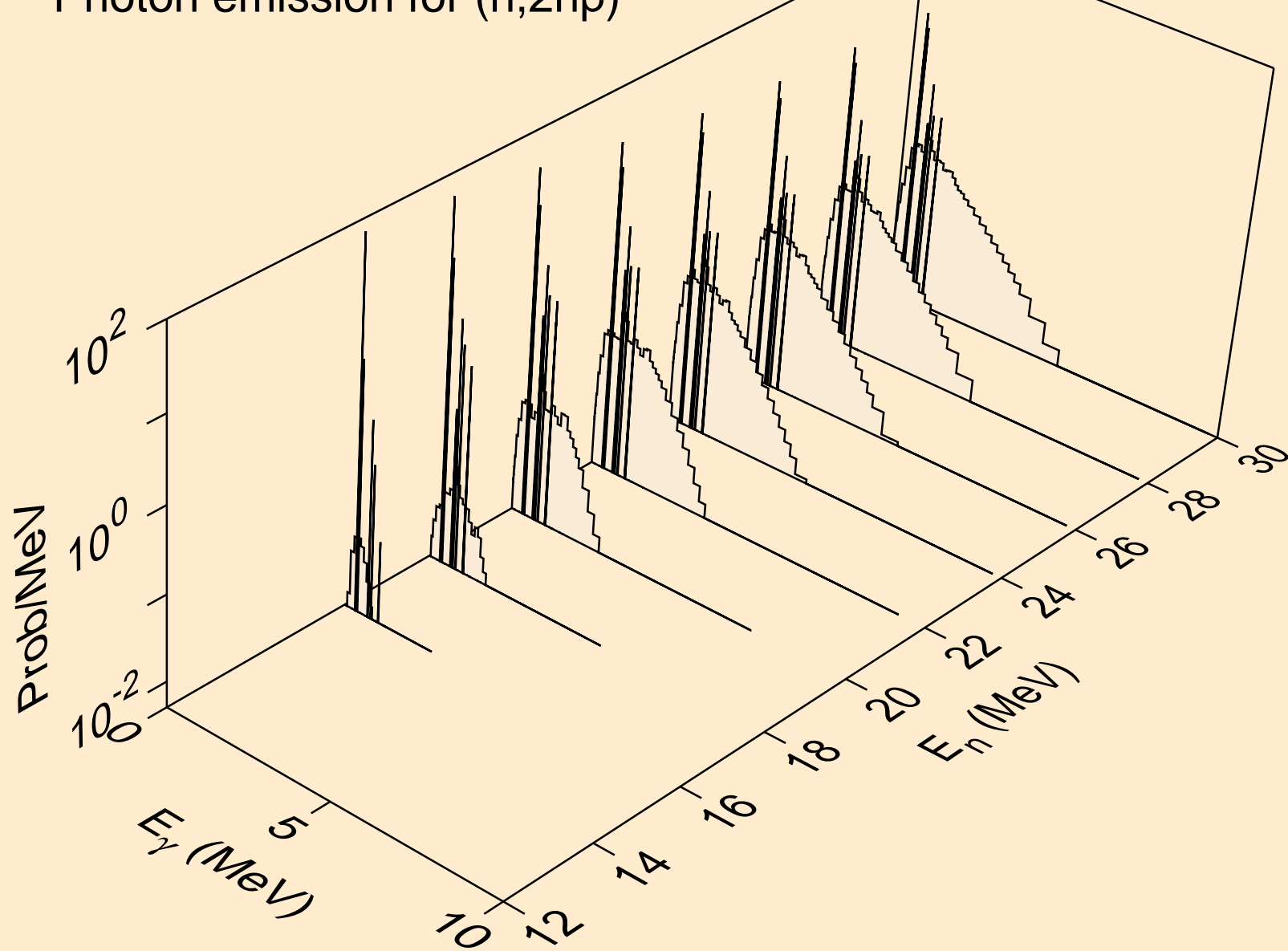
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



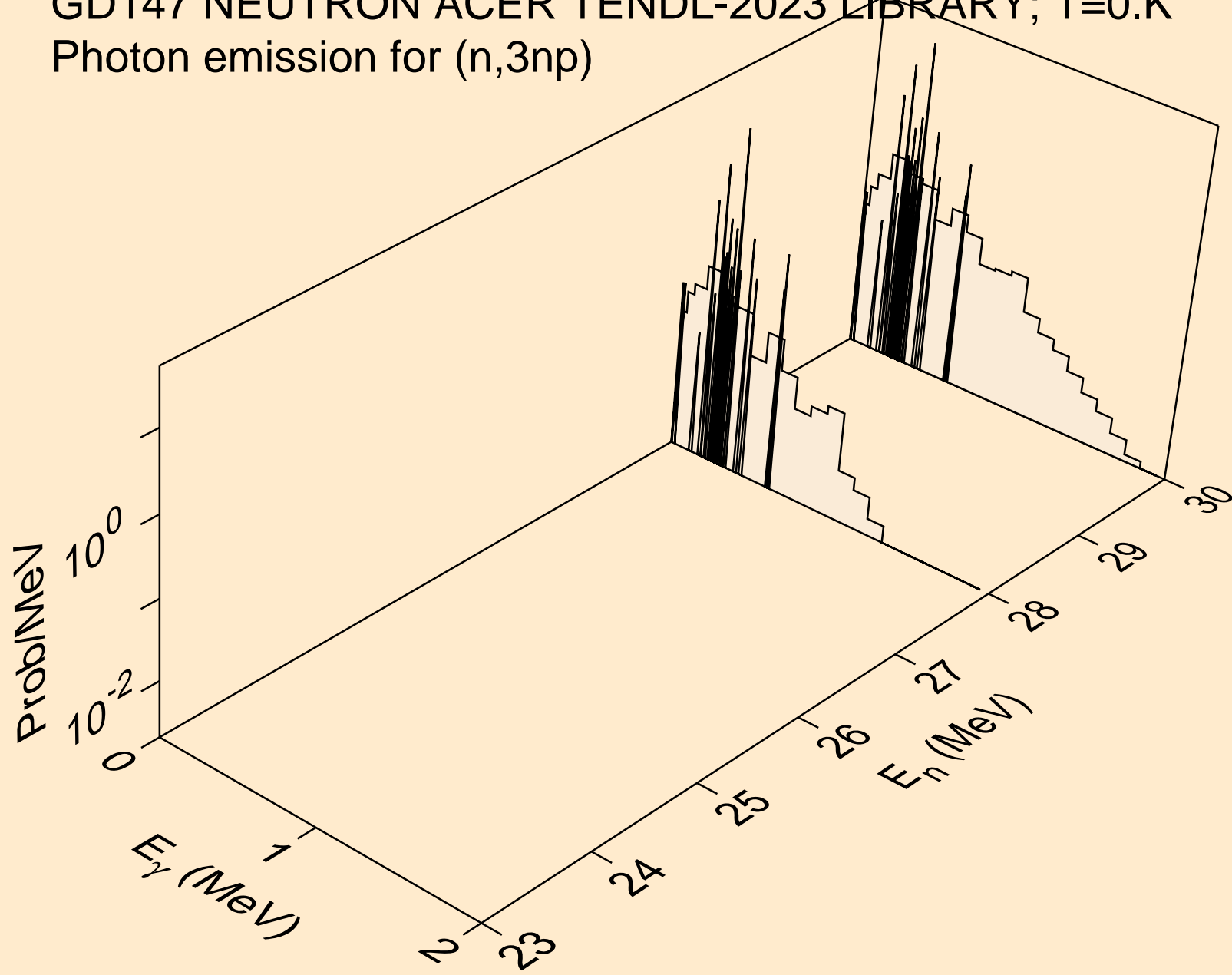
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



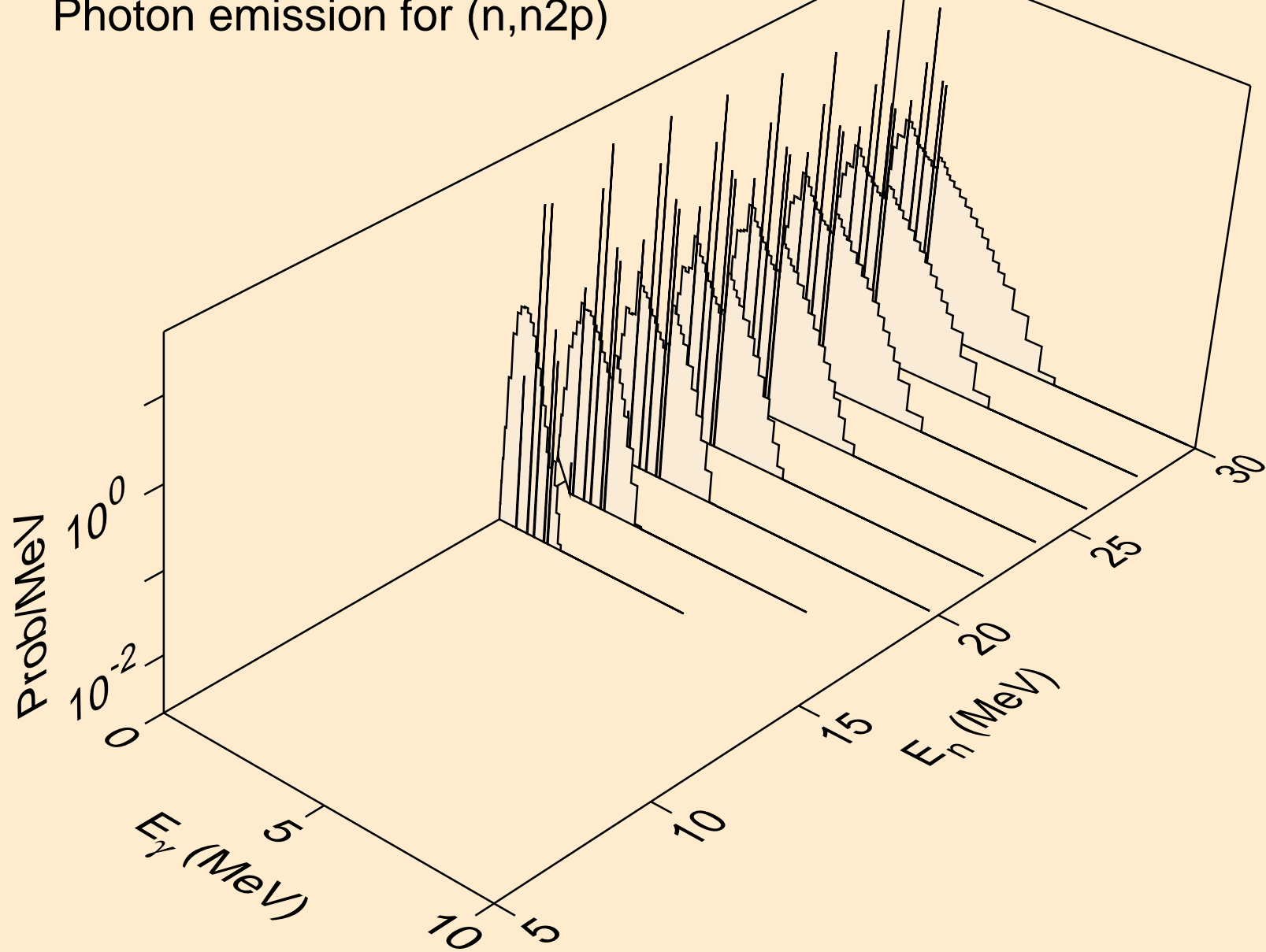
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



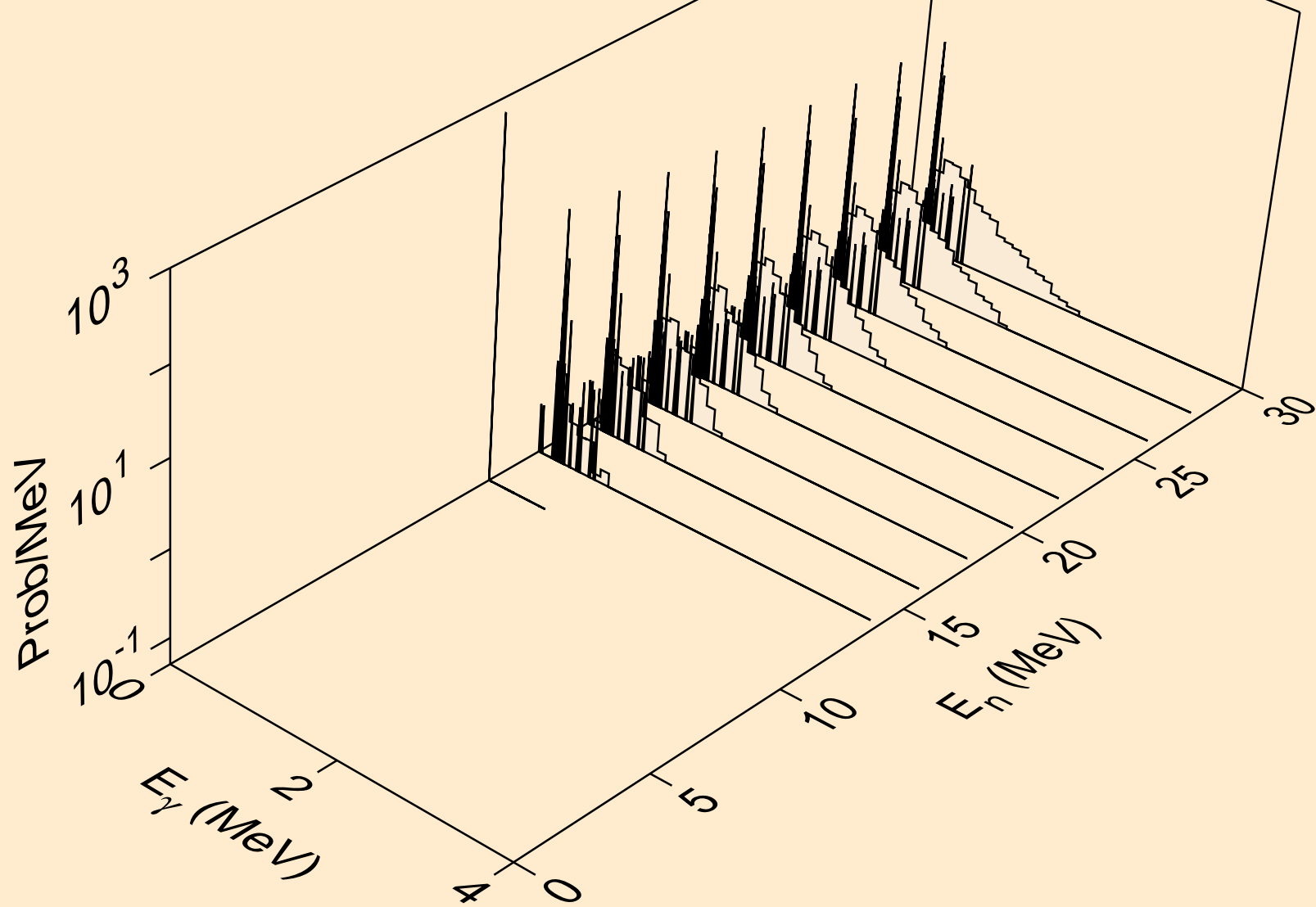
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)

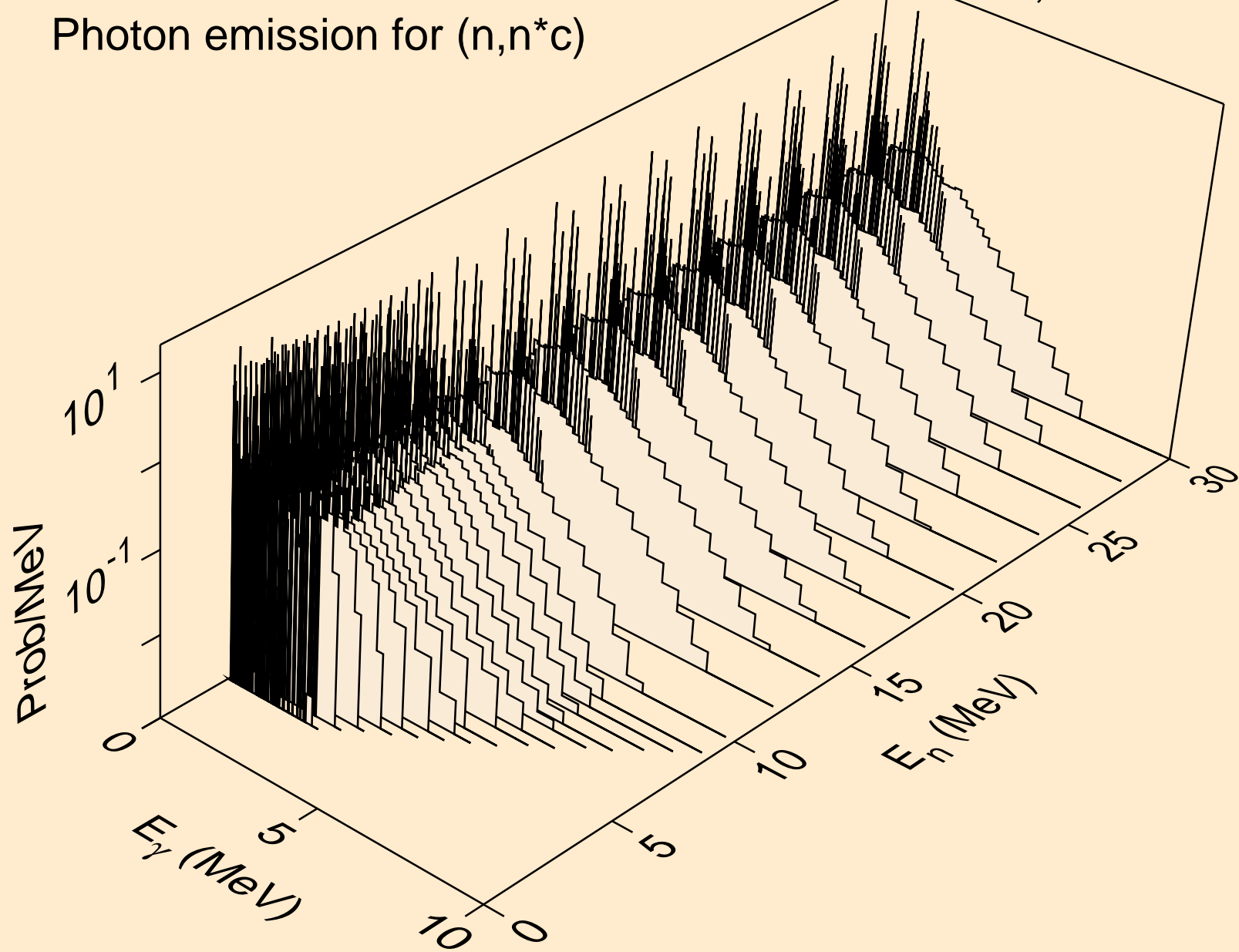


GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)

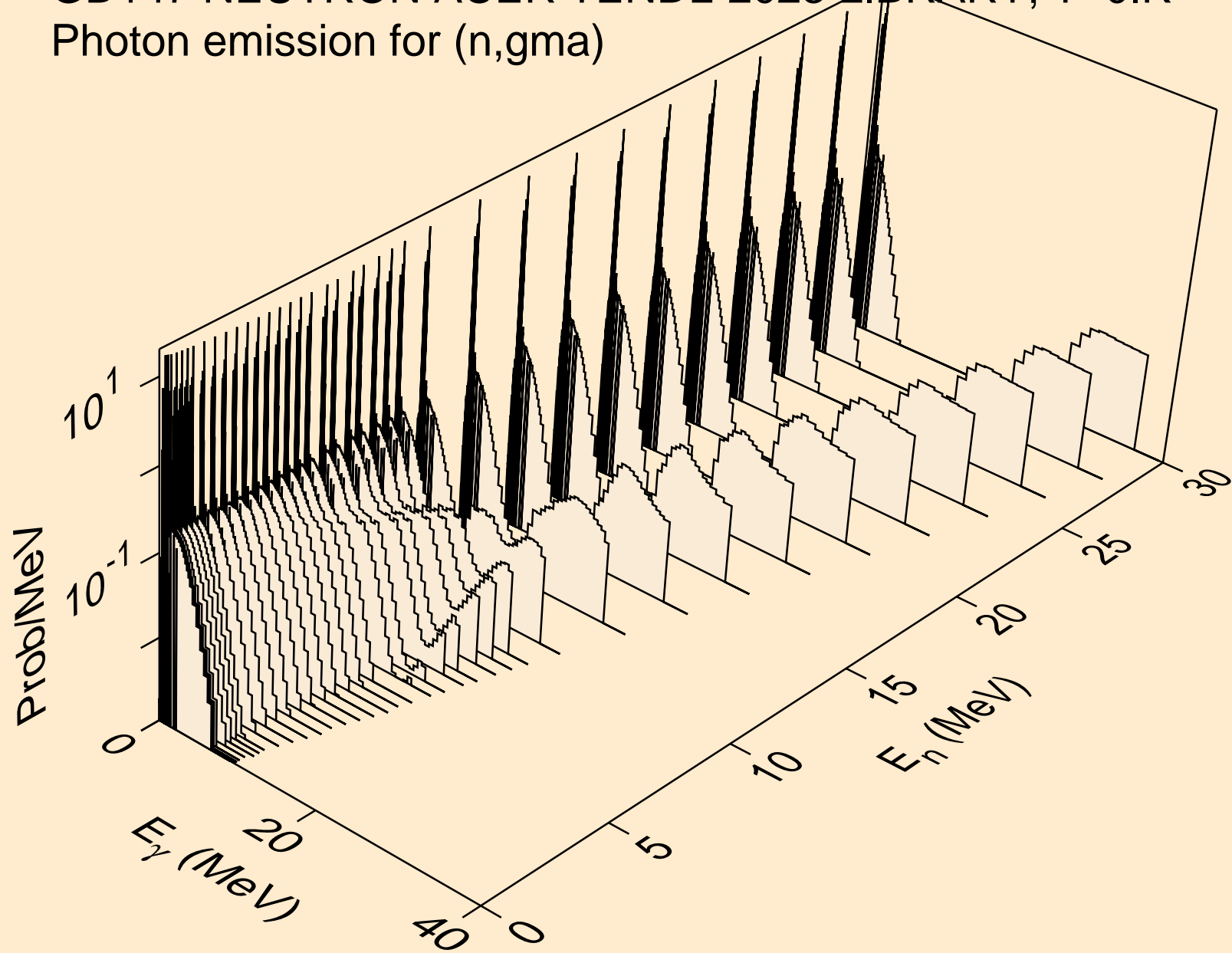




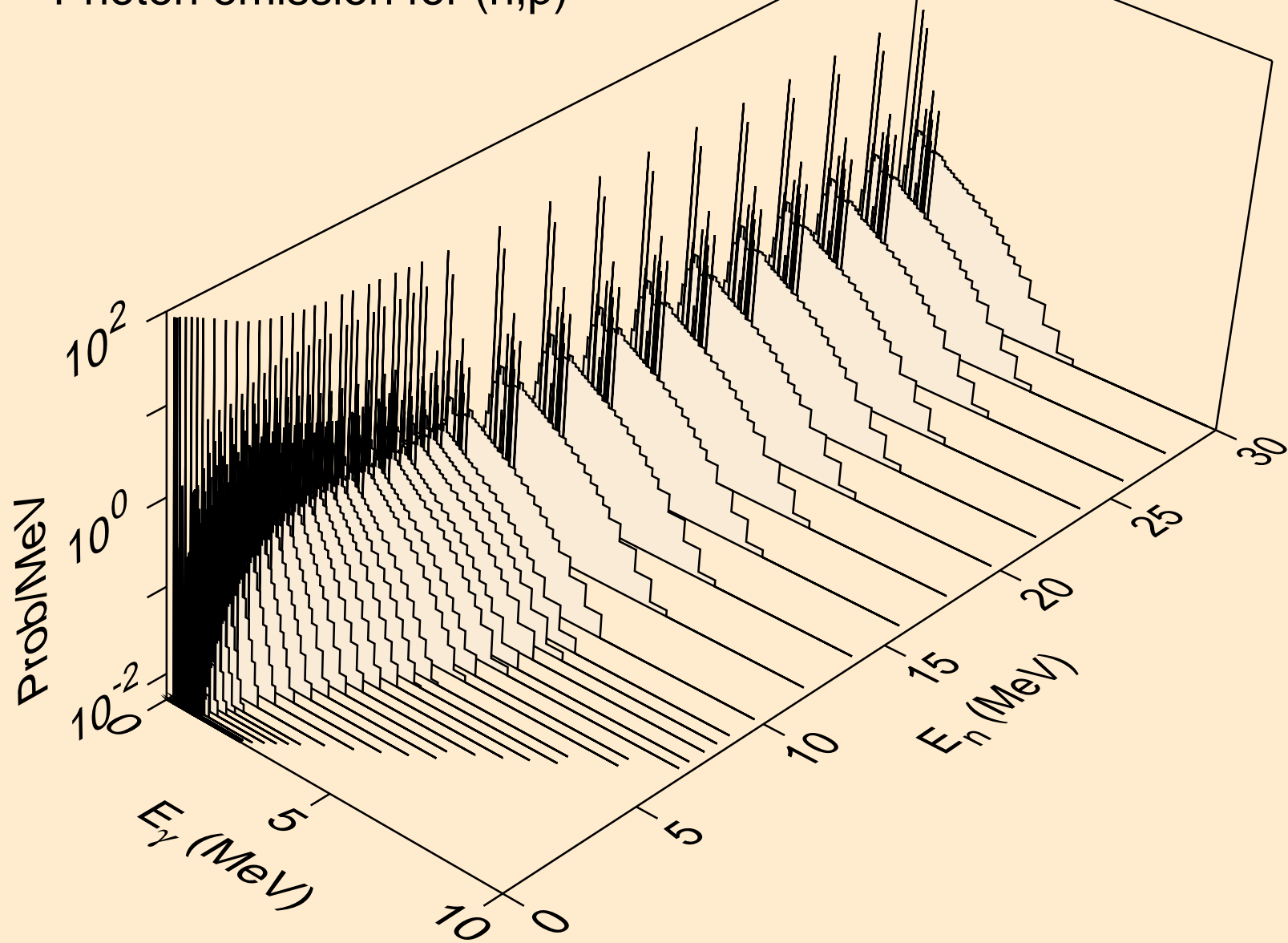
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



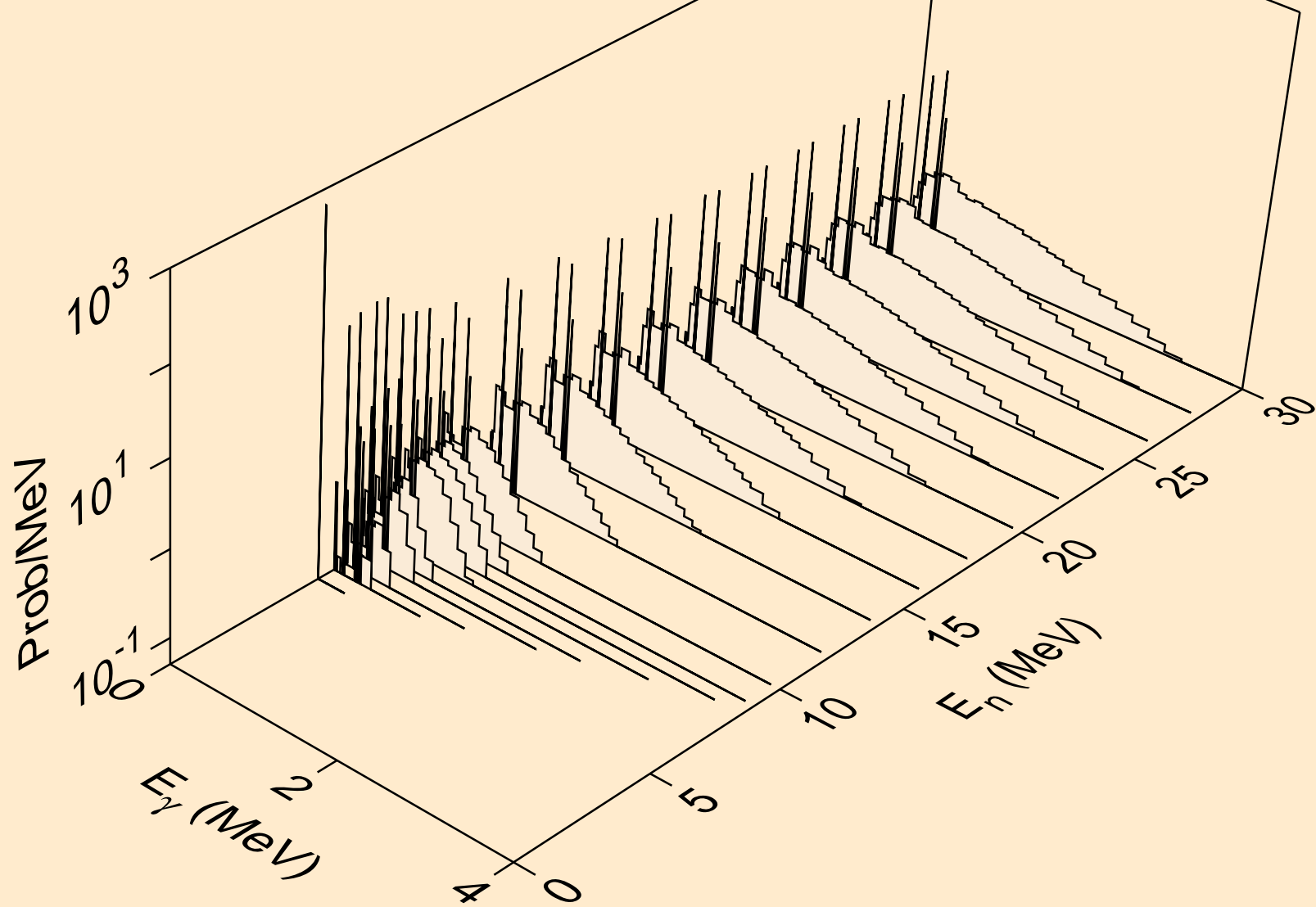
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



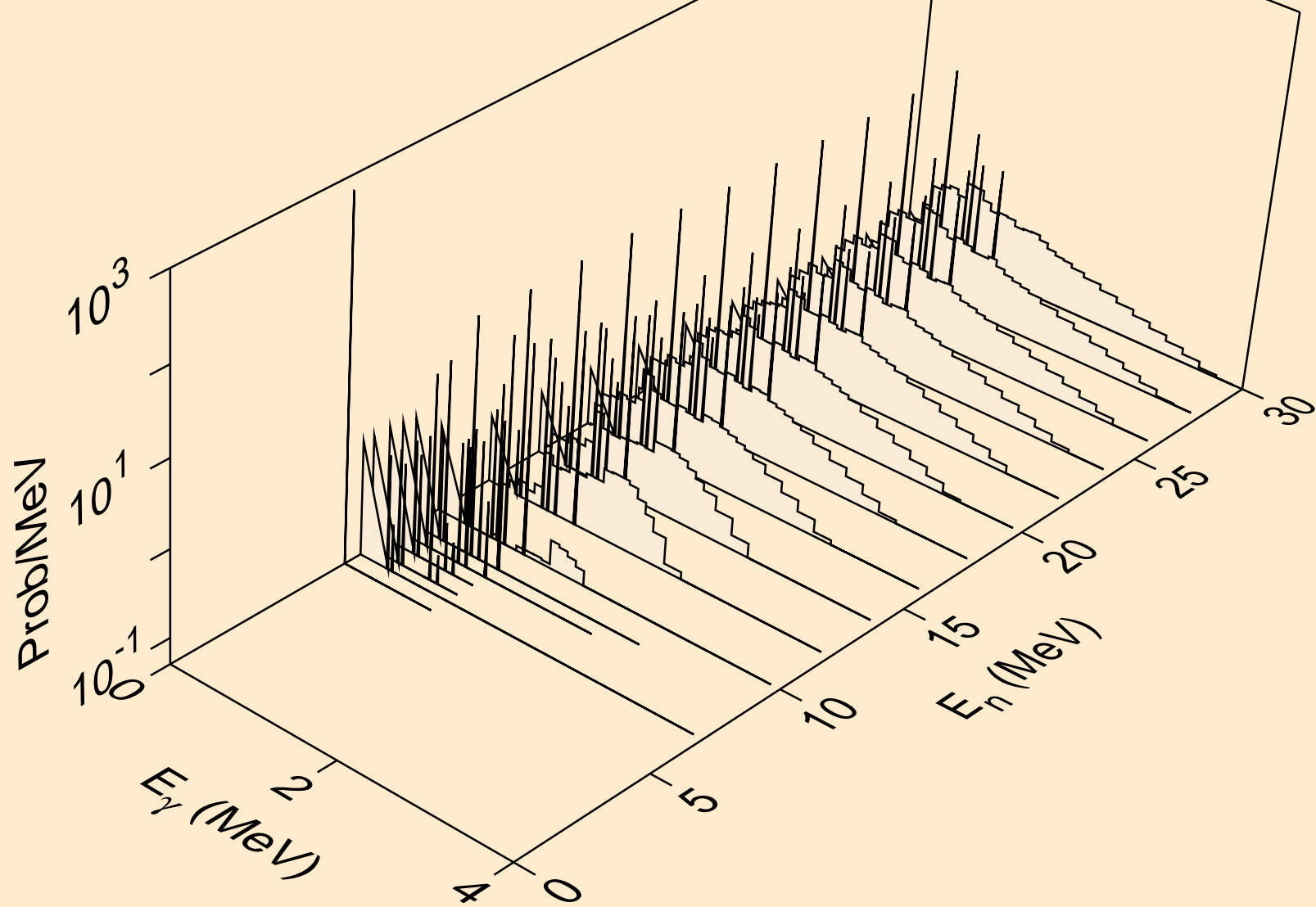
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



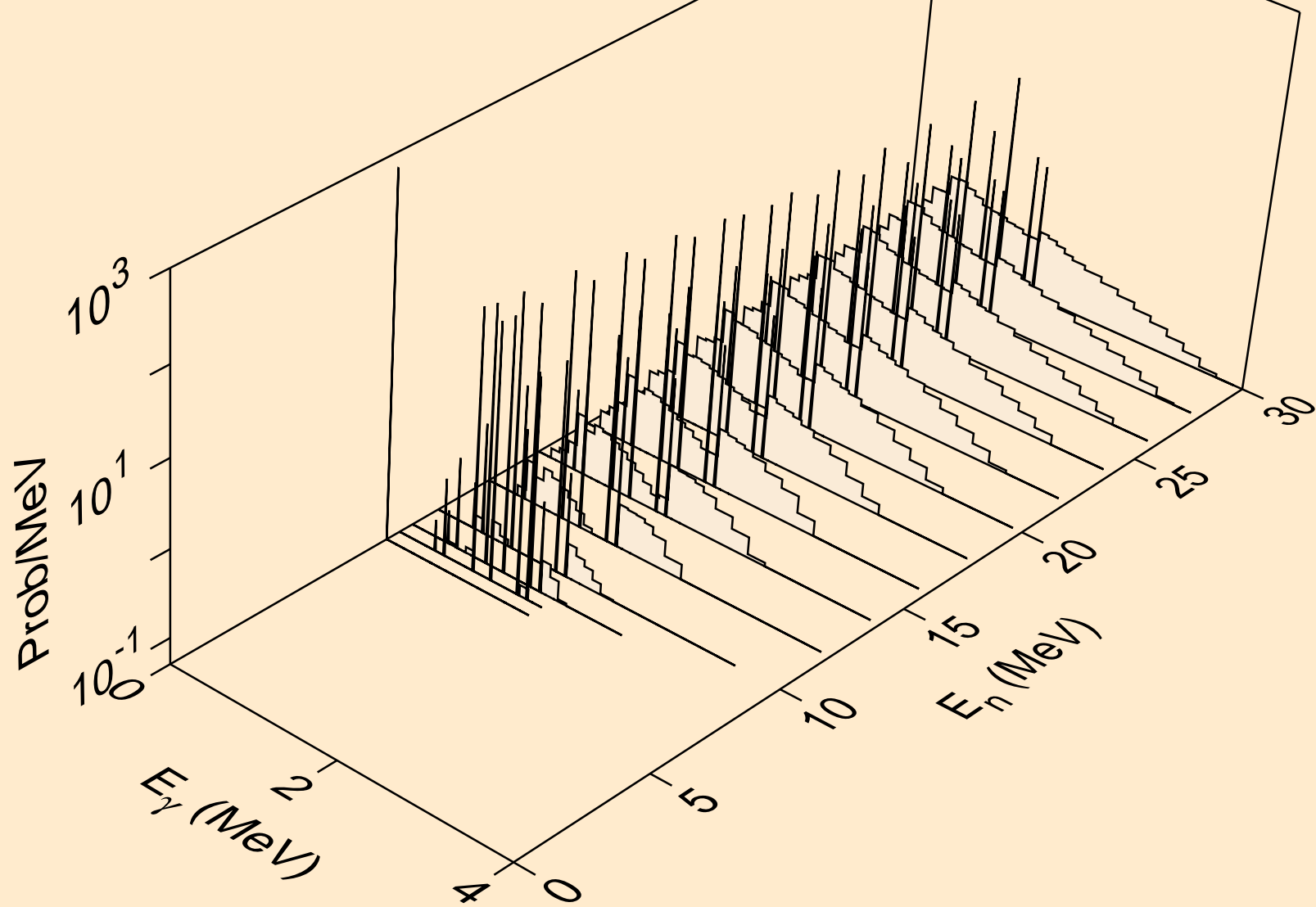
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



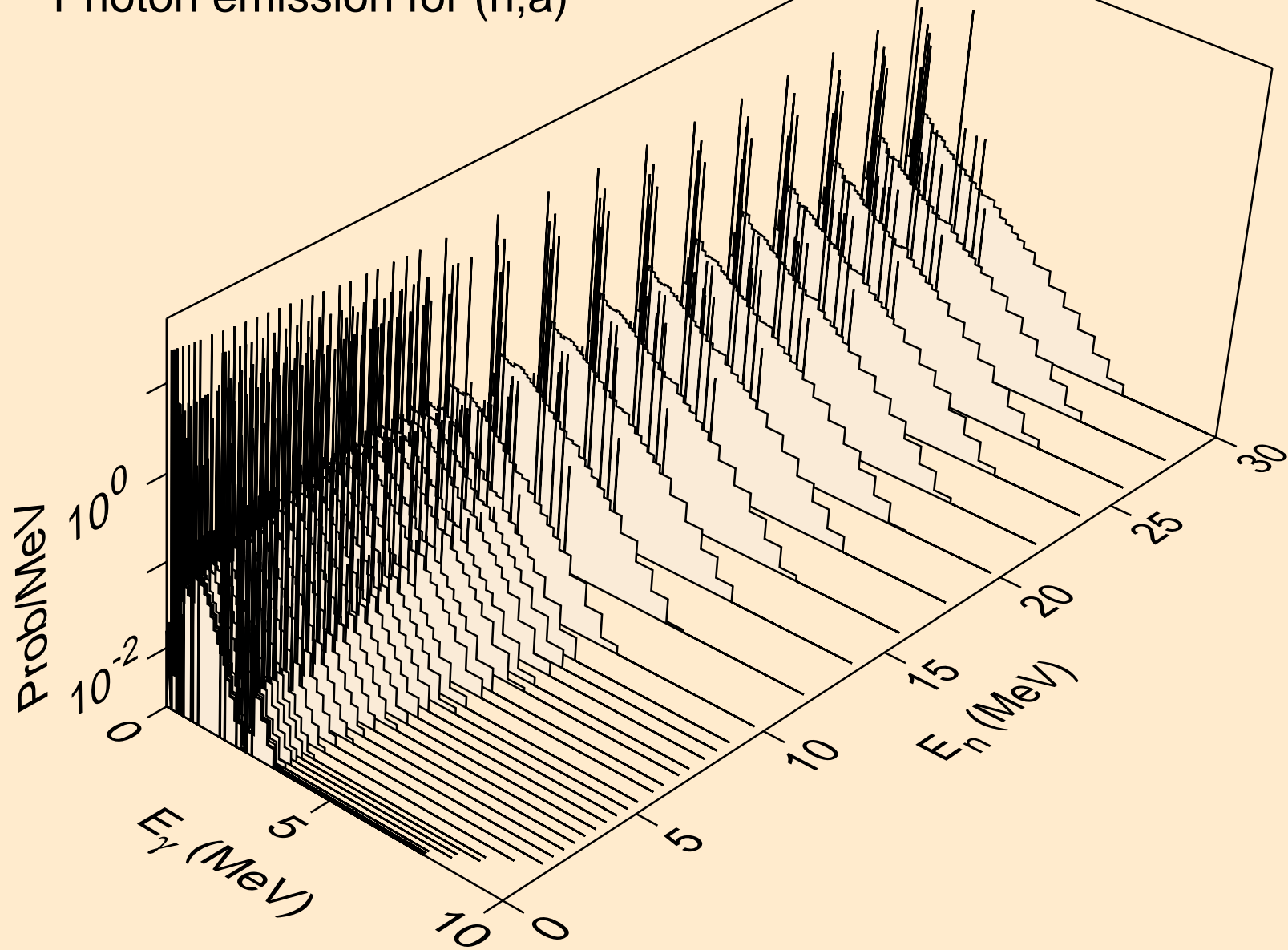
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



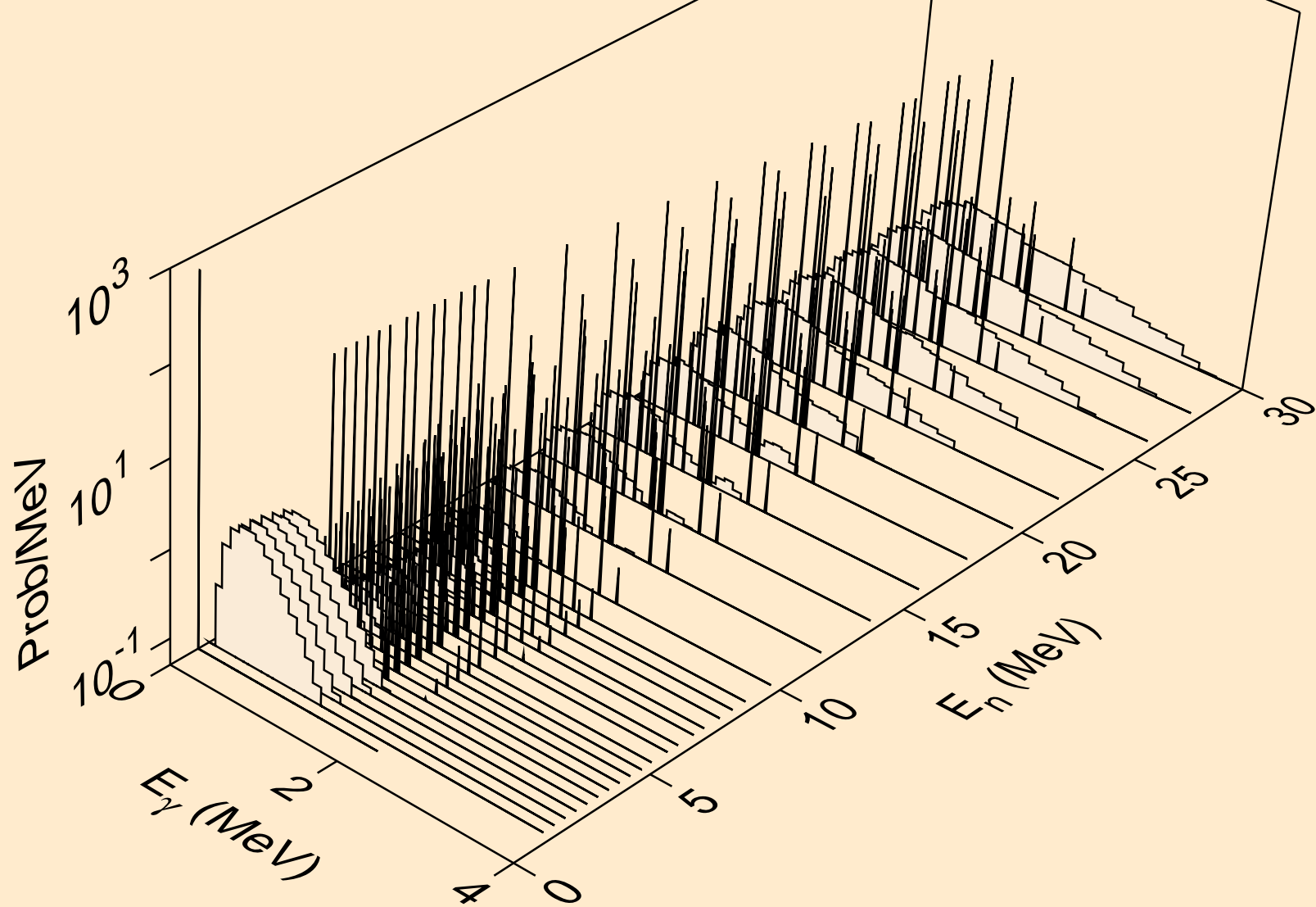
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

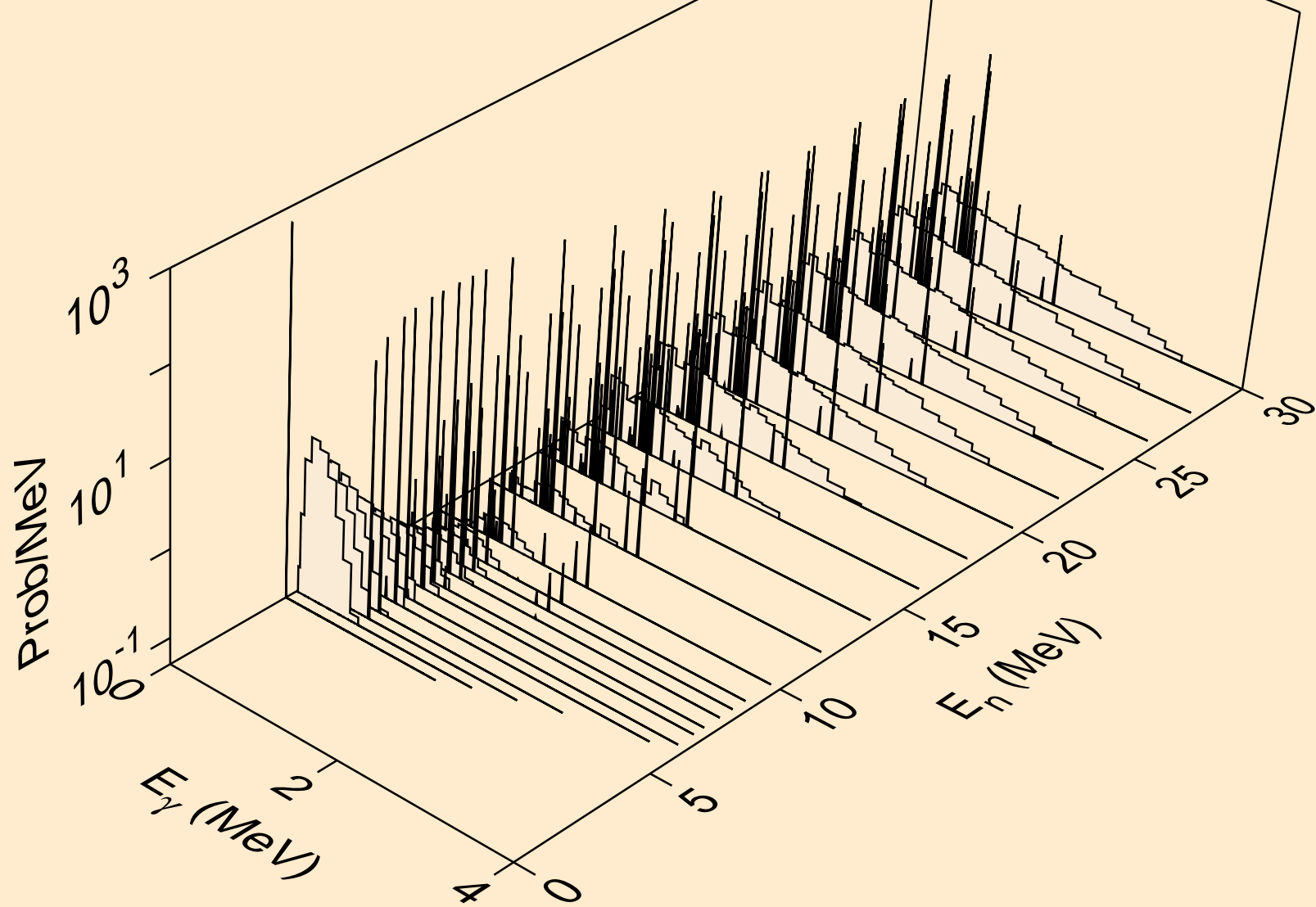


GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)

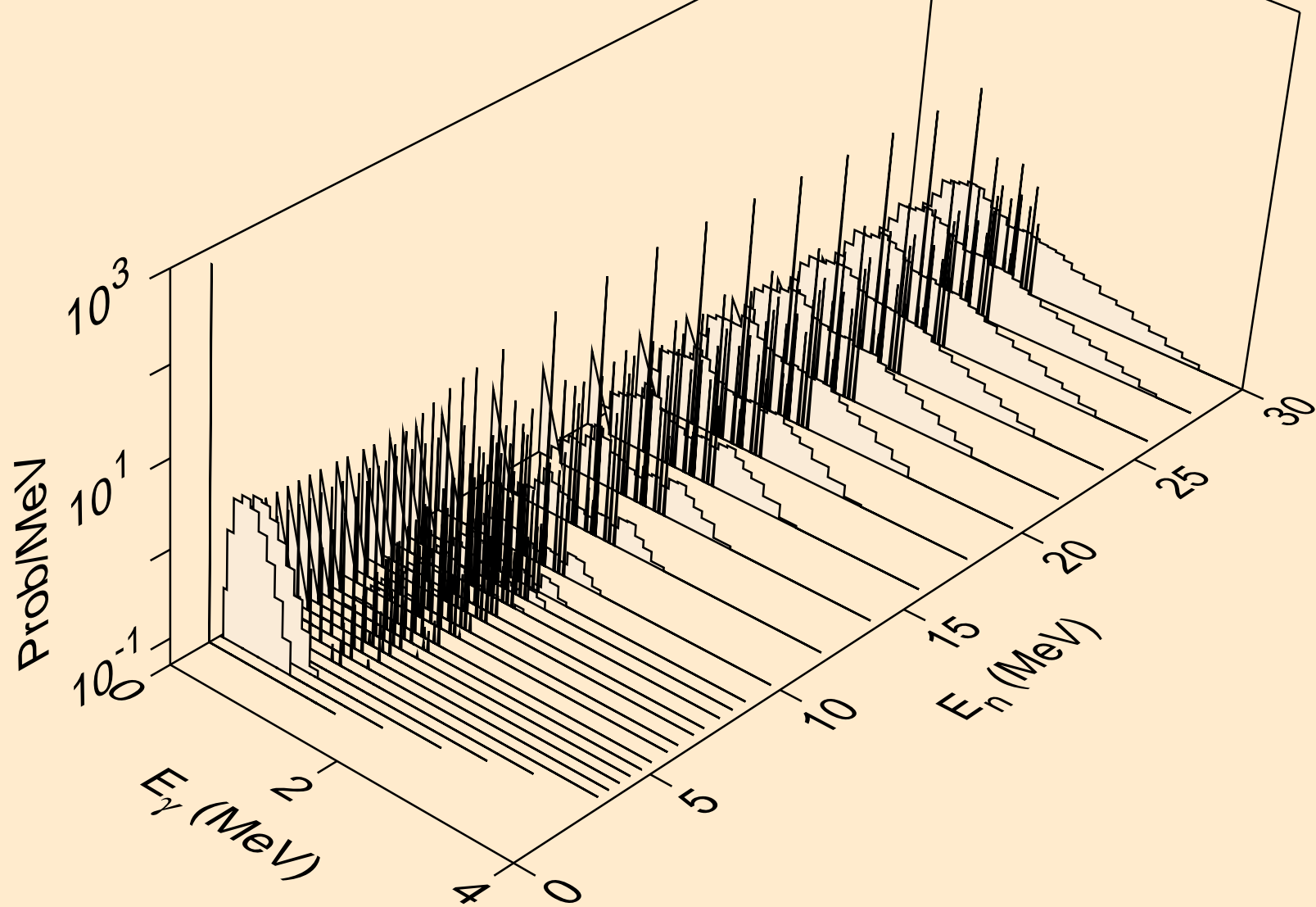




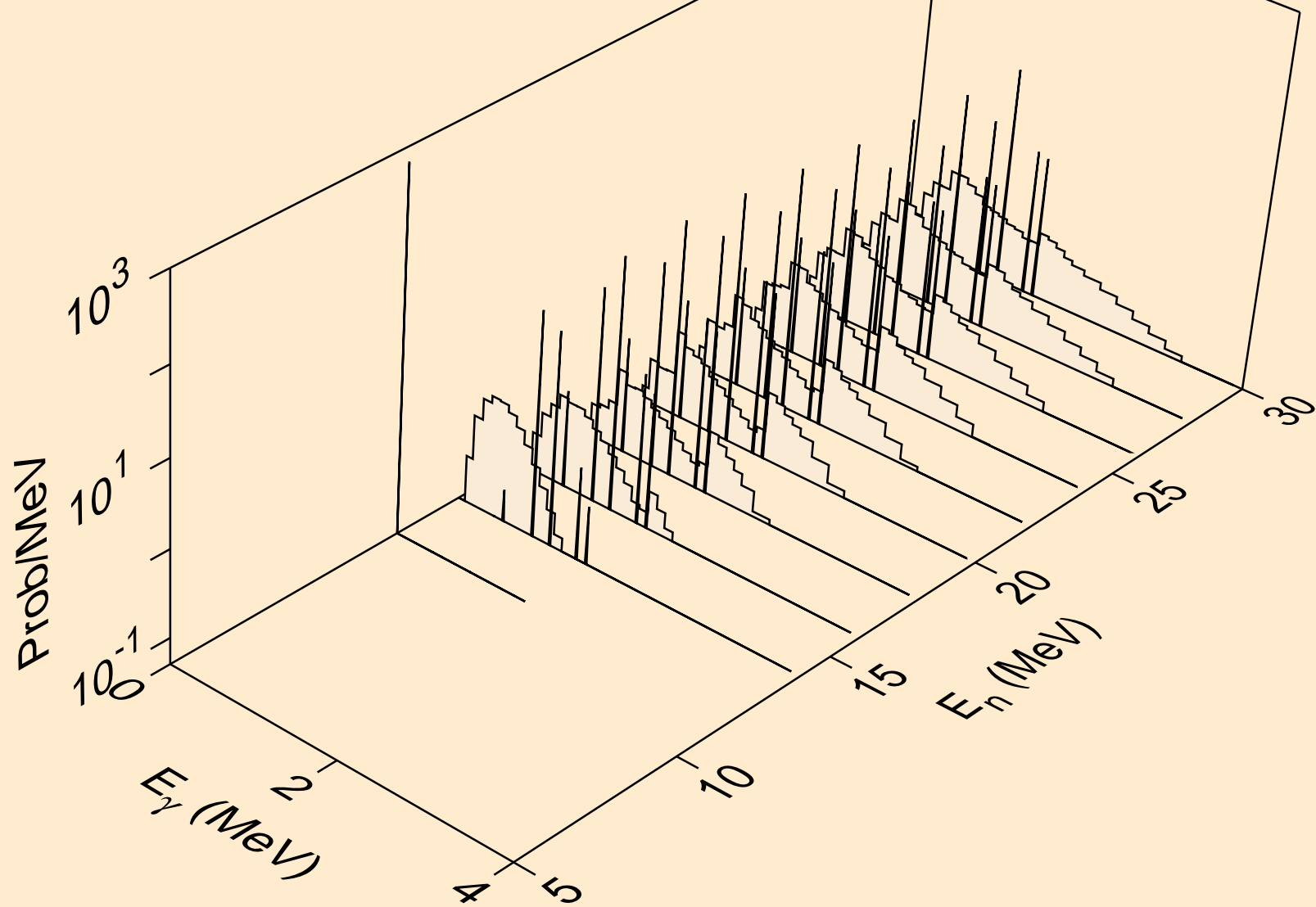
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



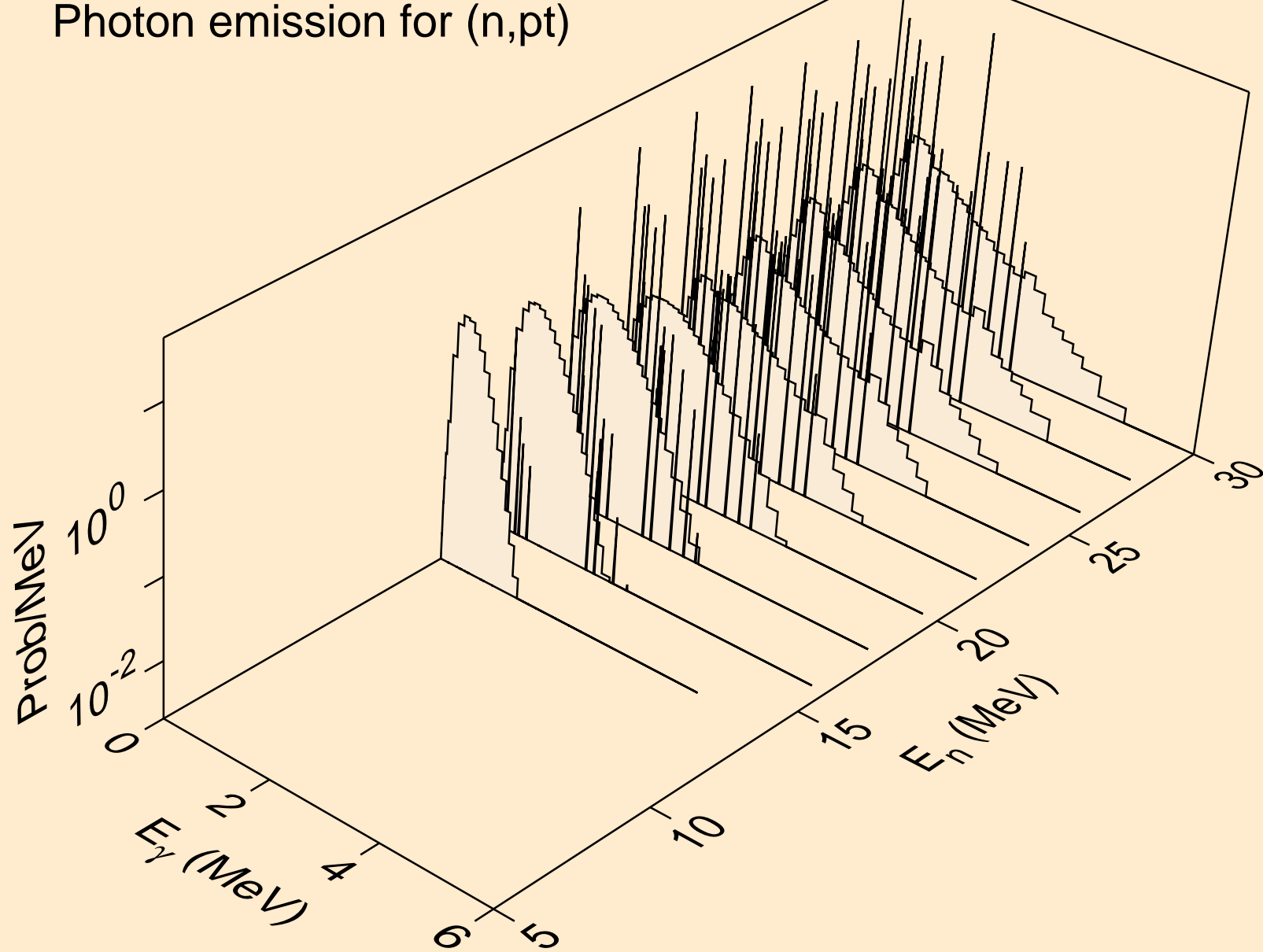
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



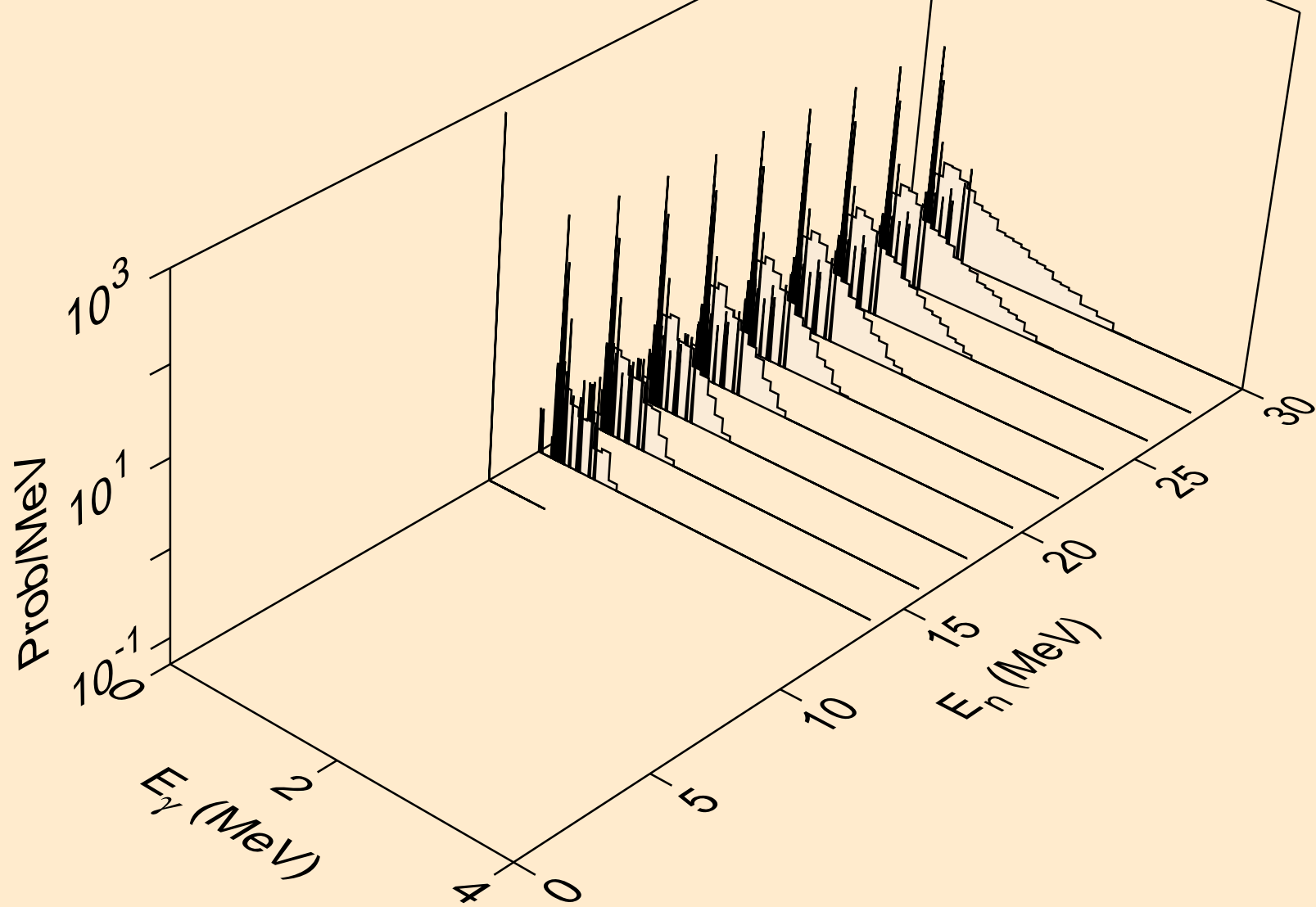
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



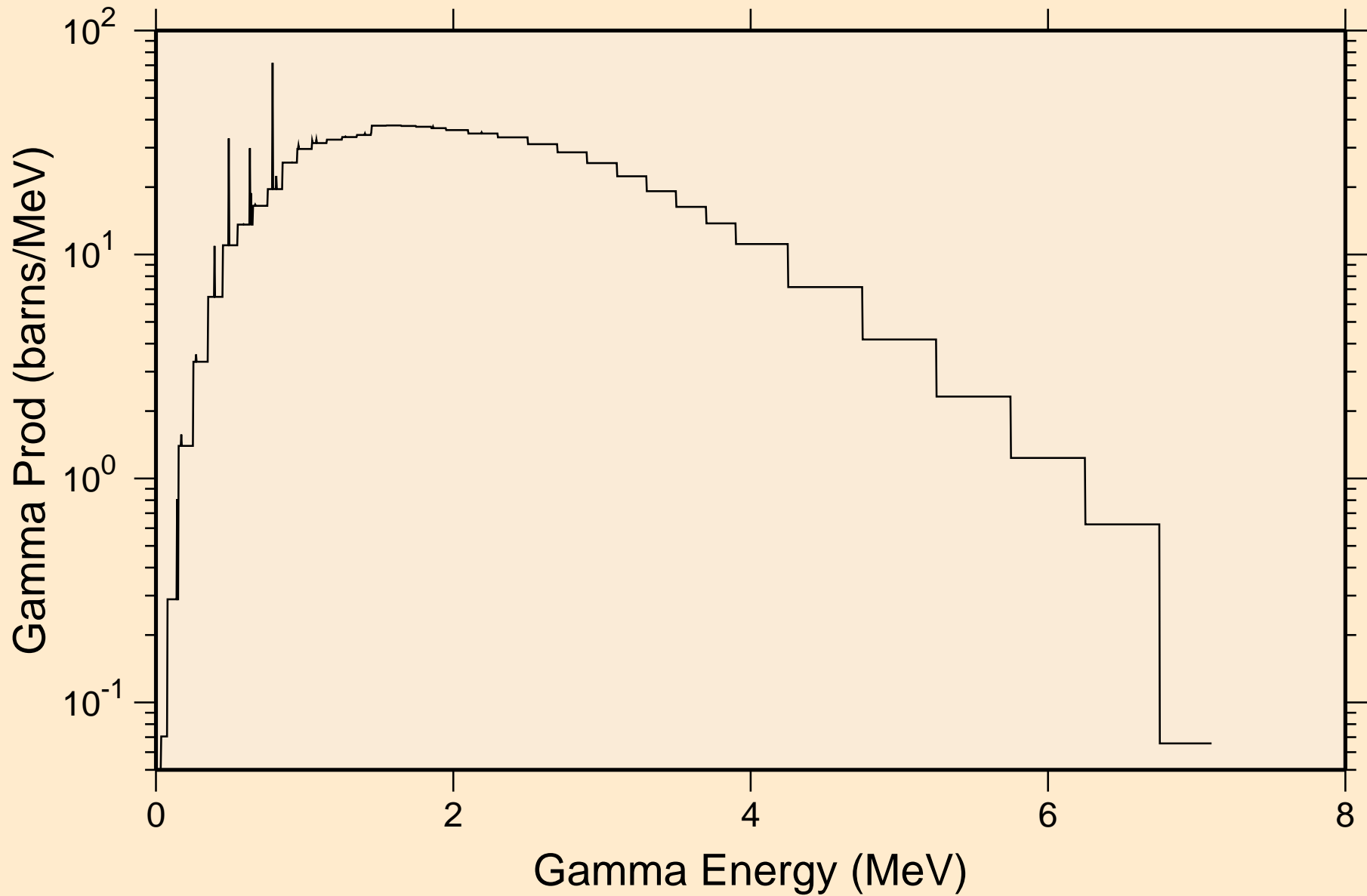
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



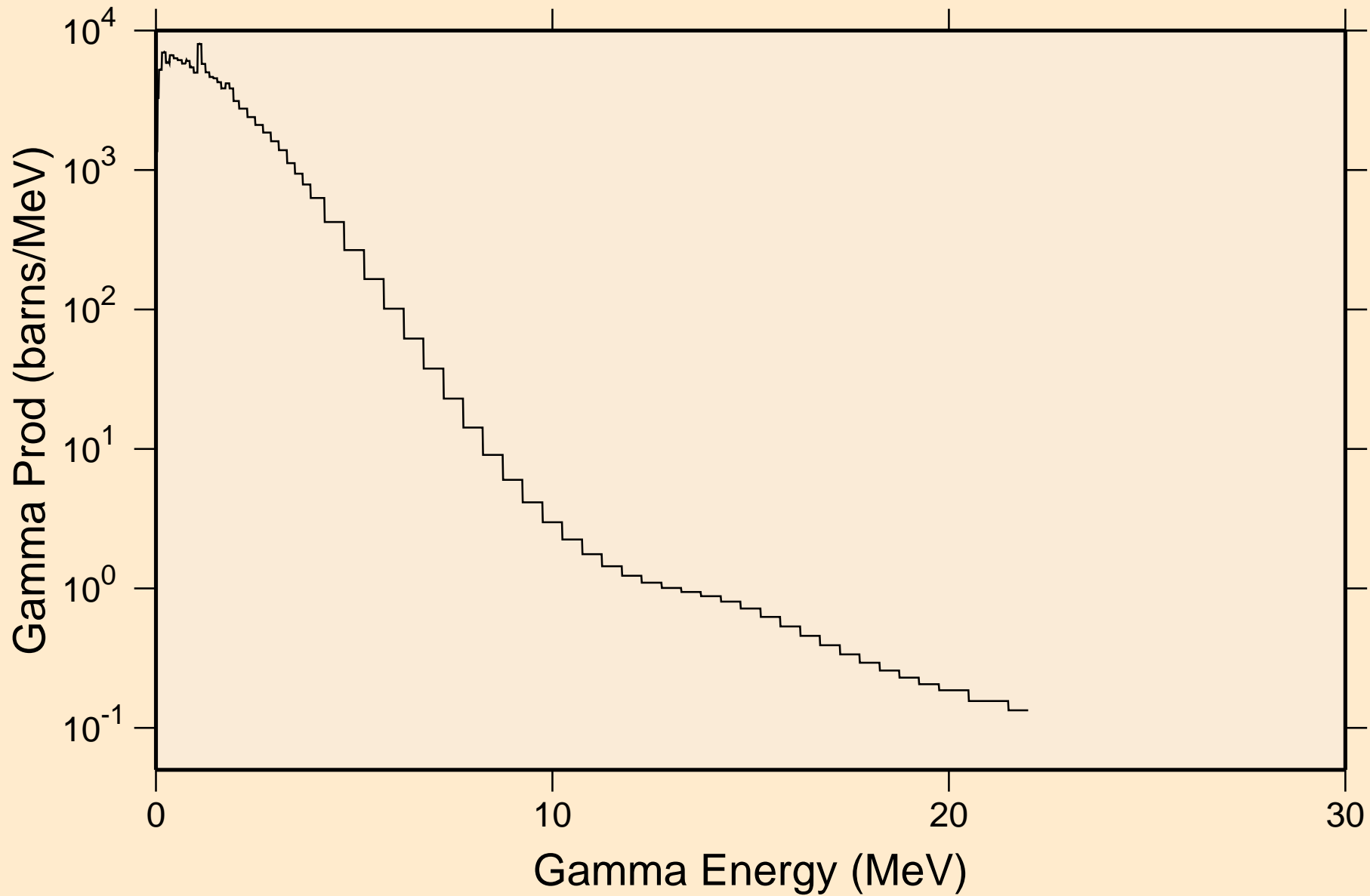
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

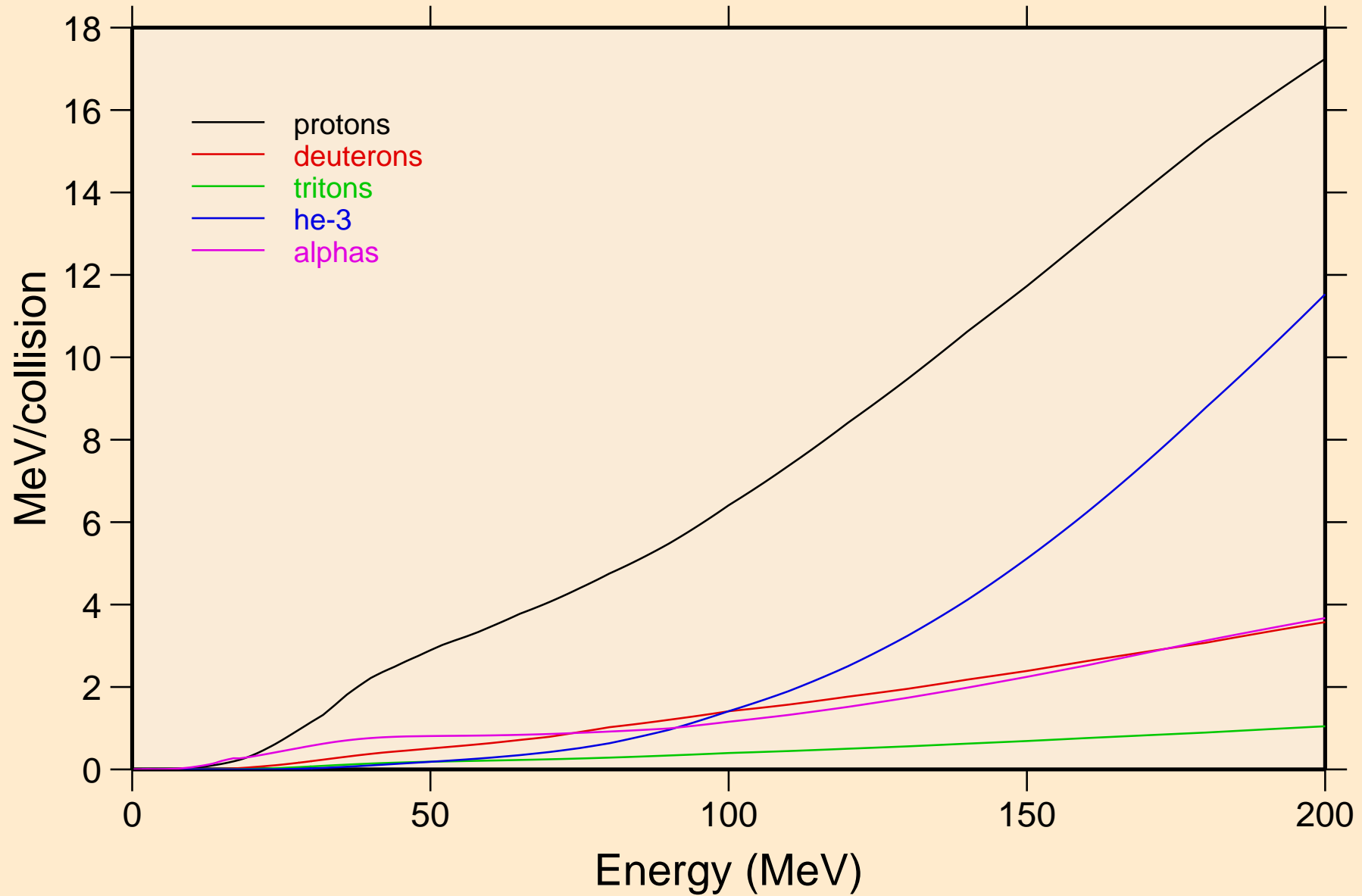


GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum



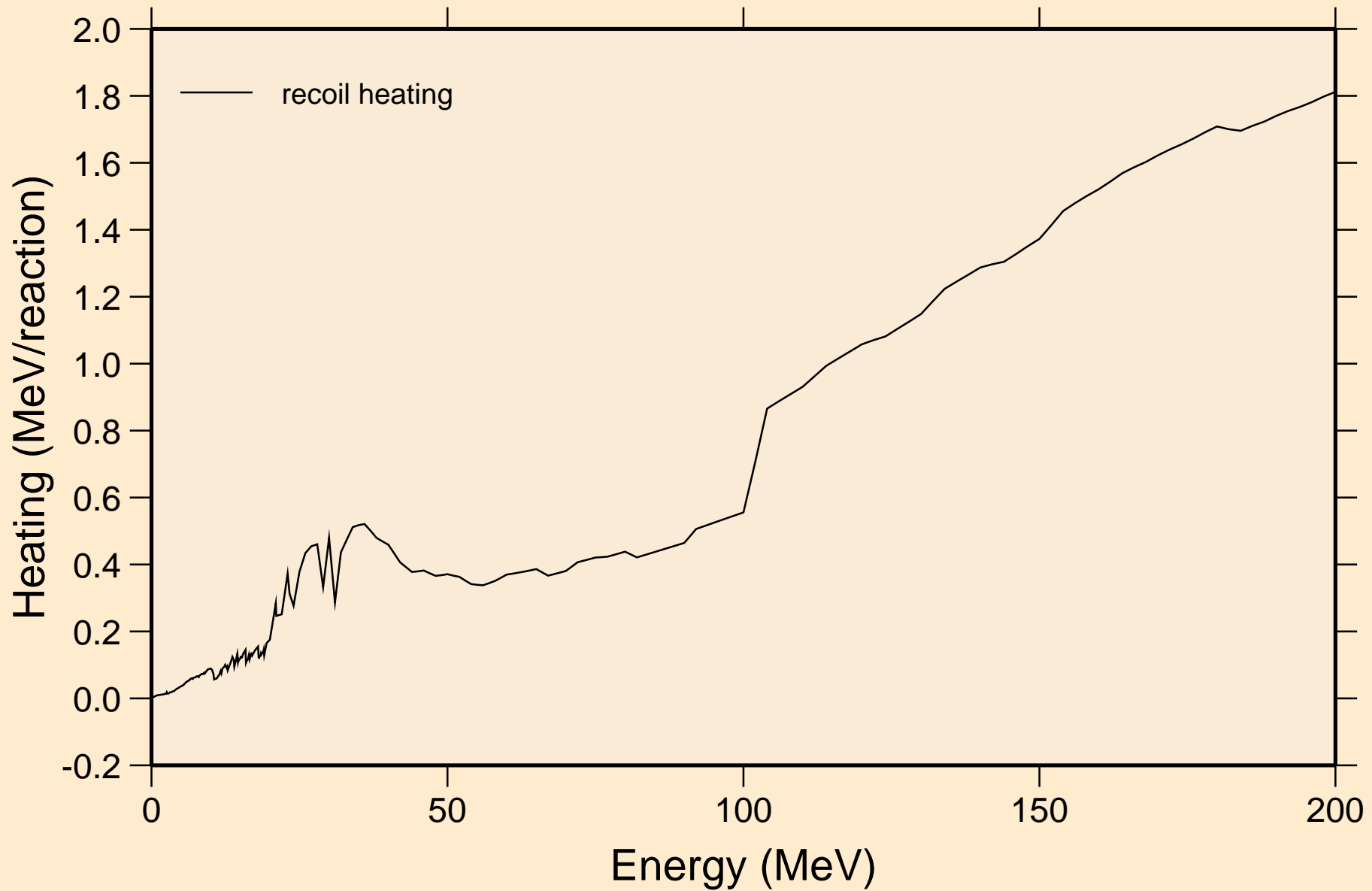
# GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

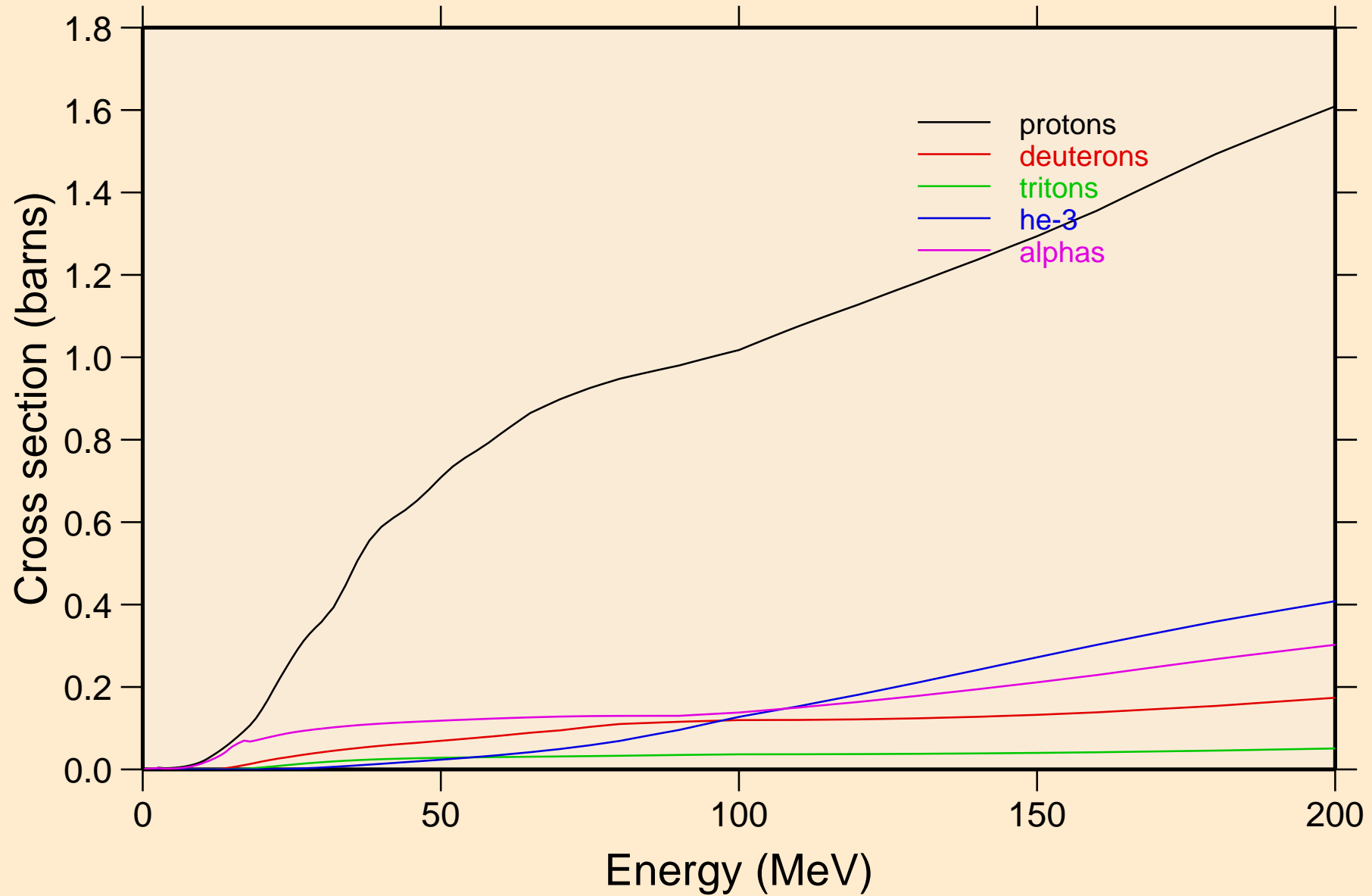




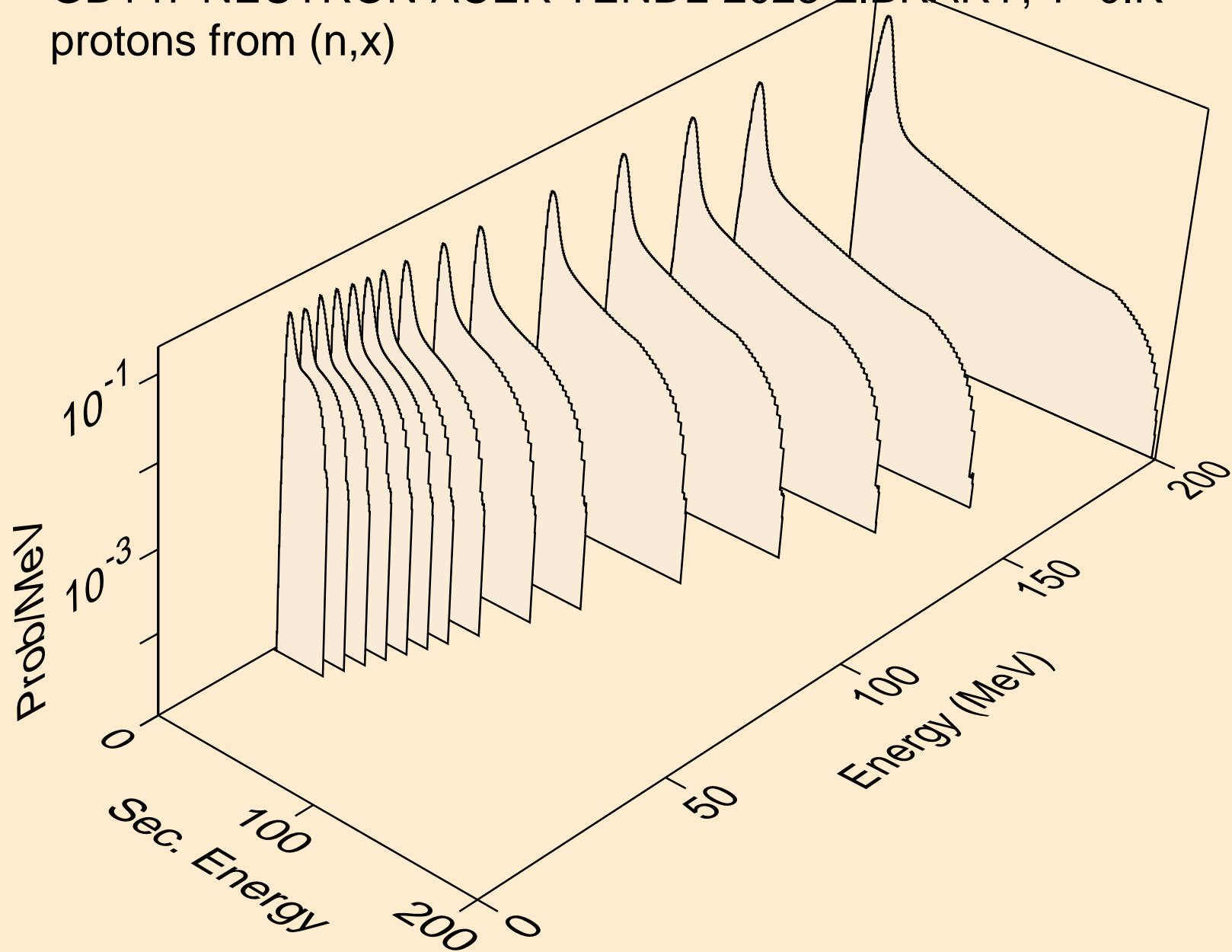
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



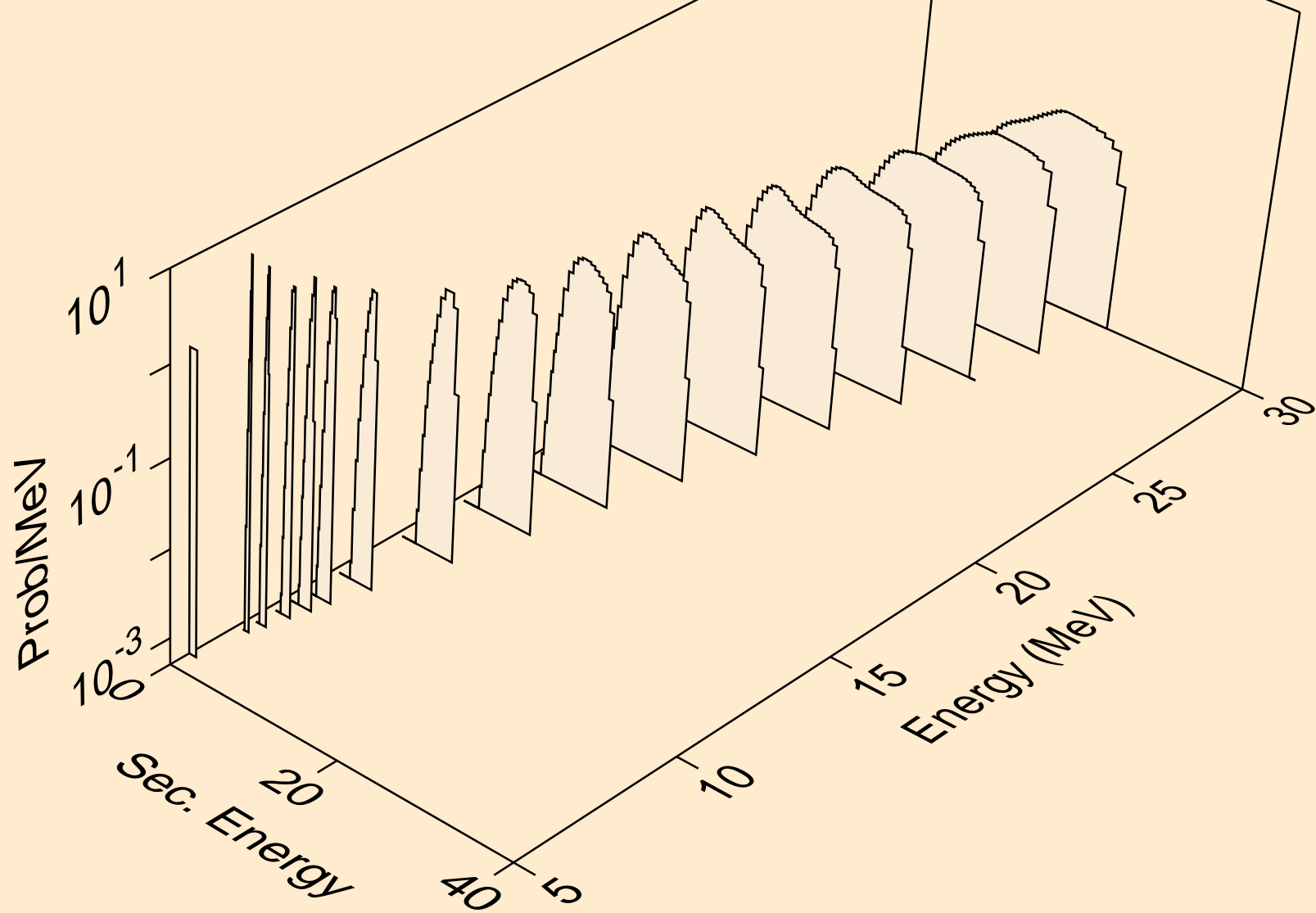
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



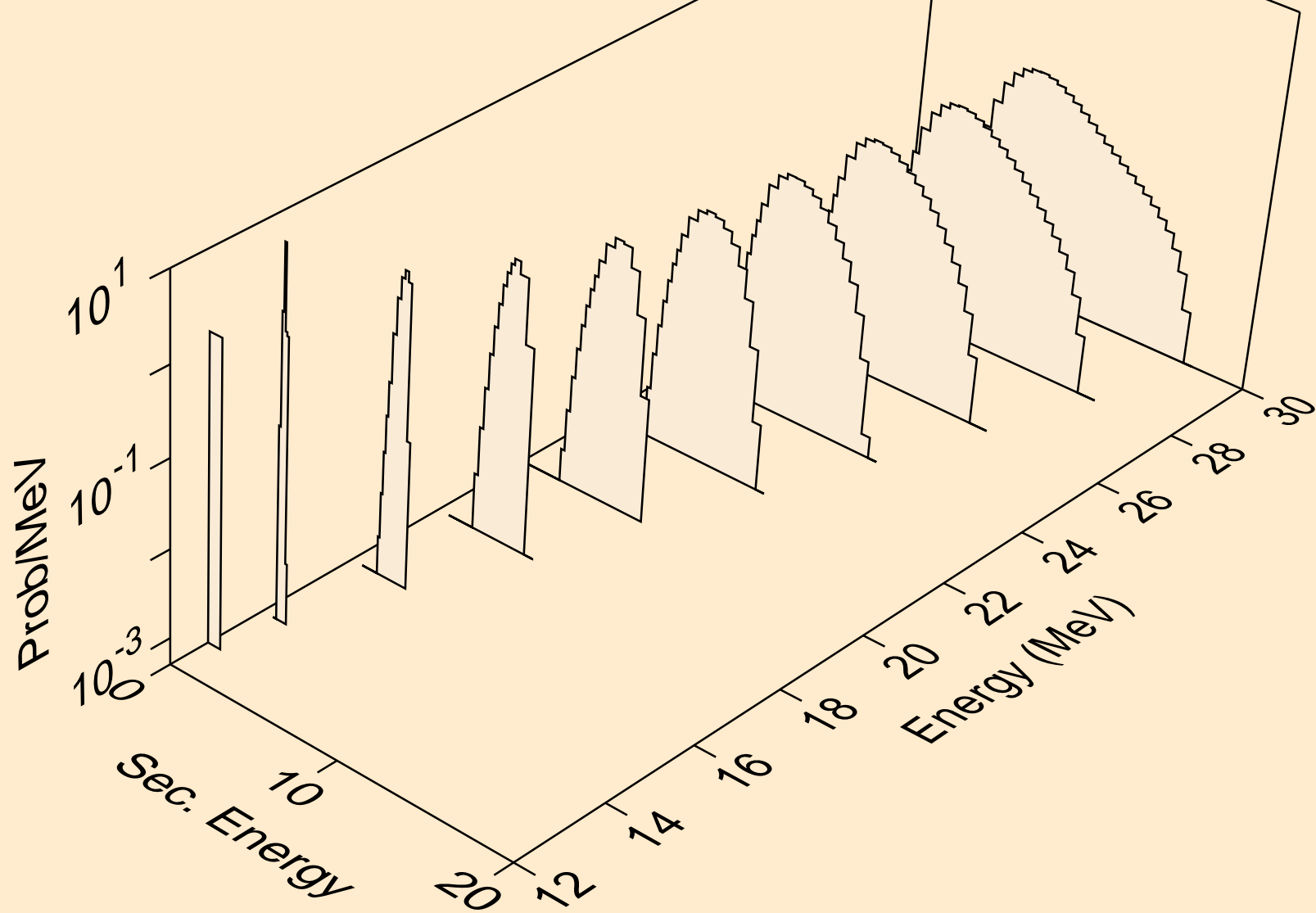
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



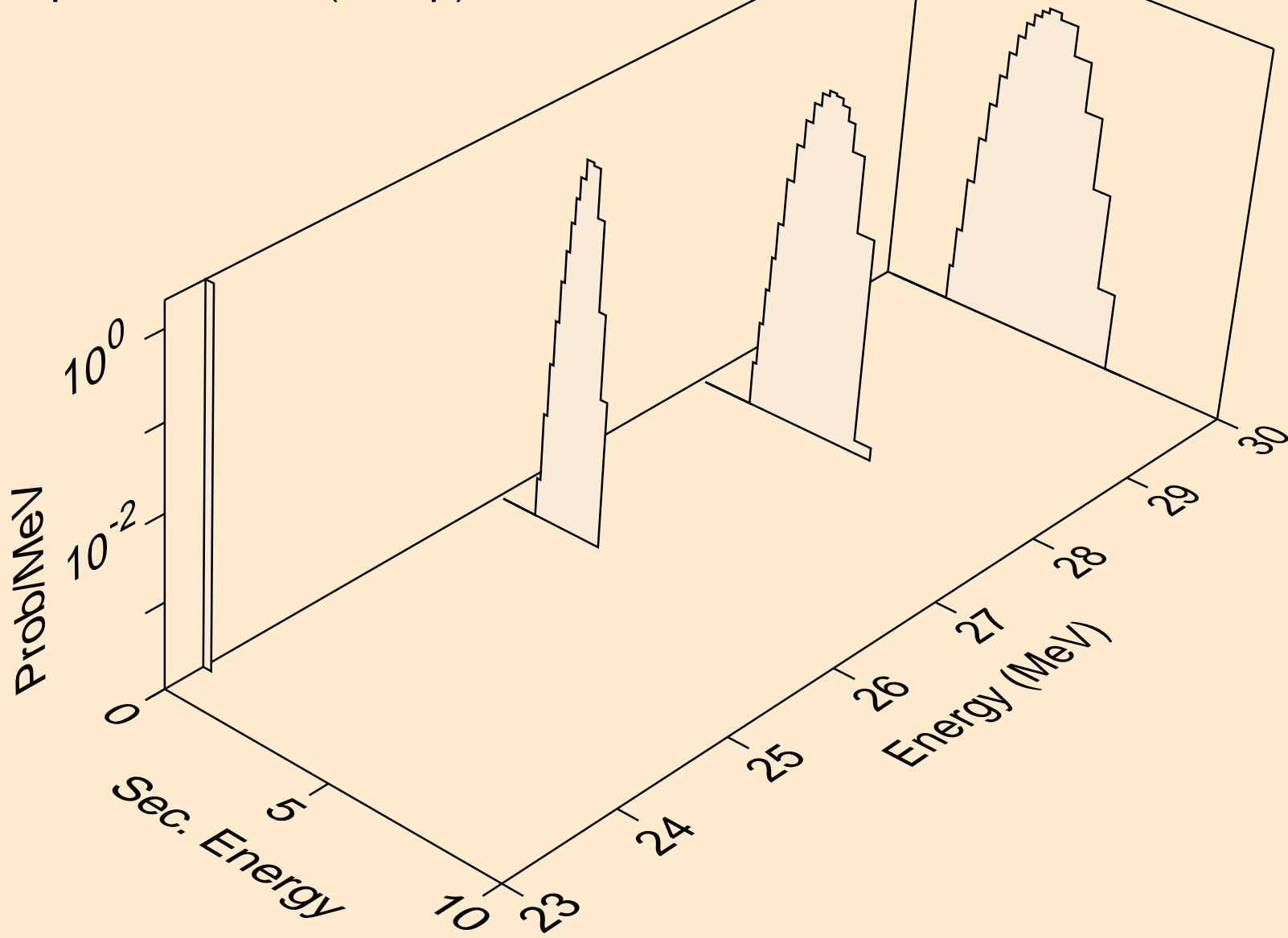
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



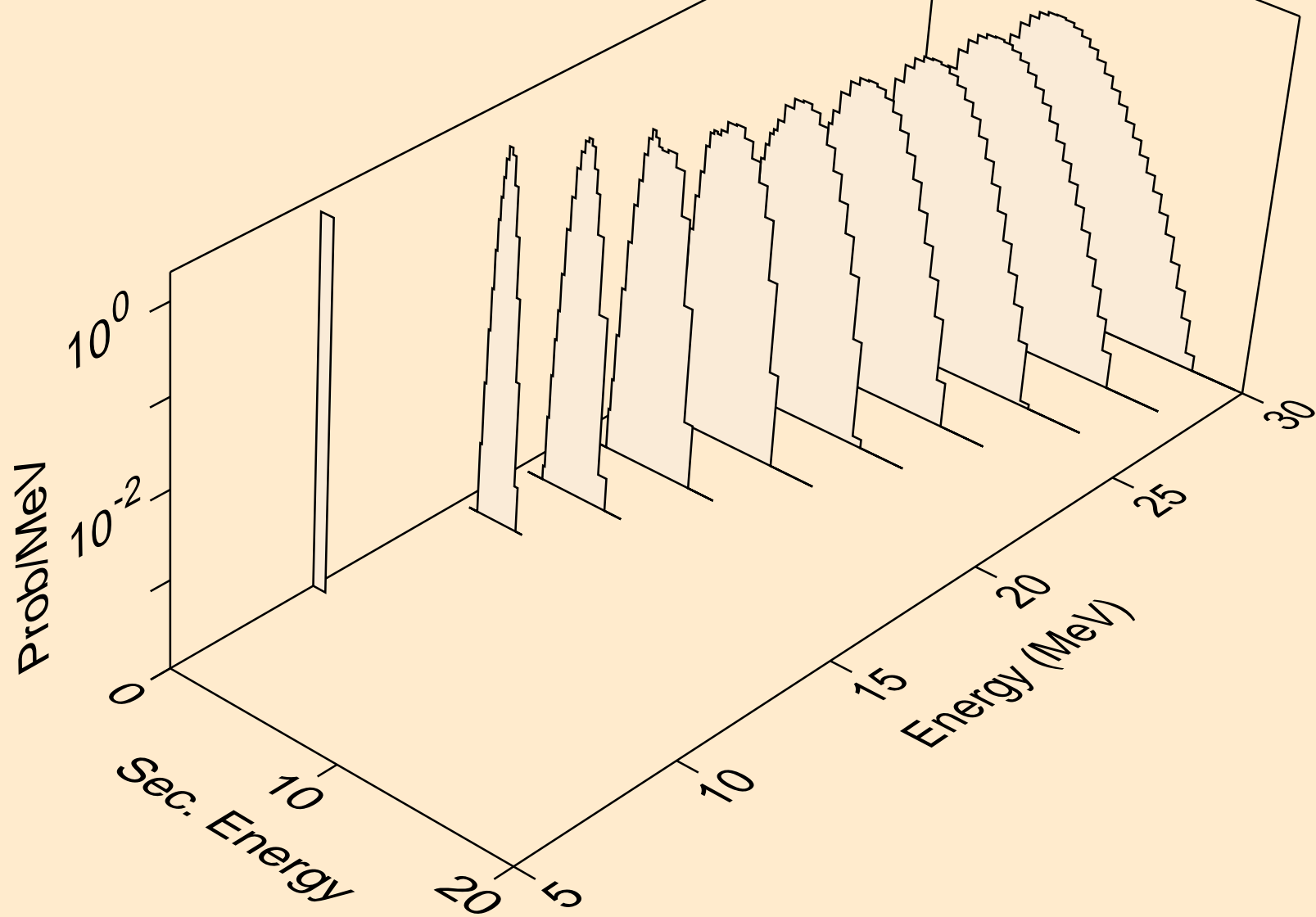
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



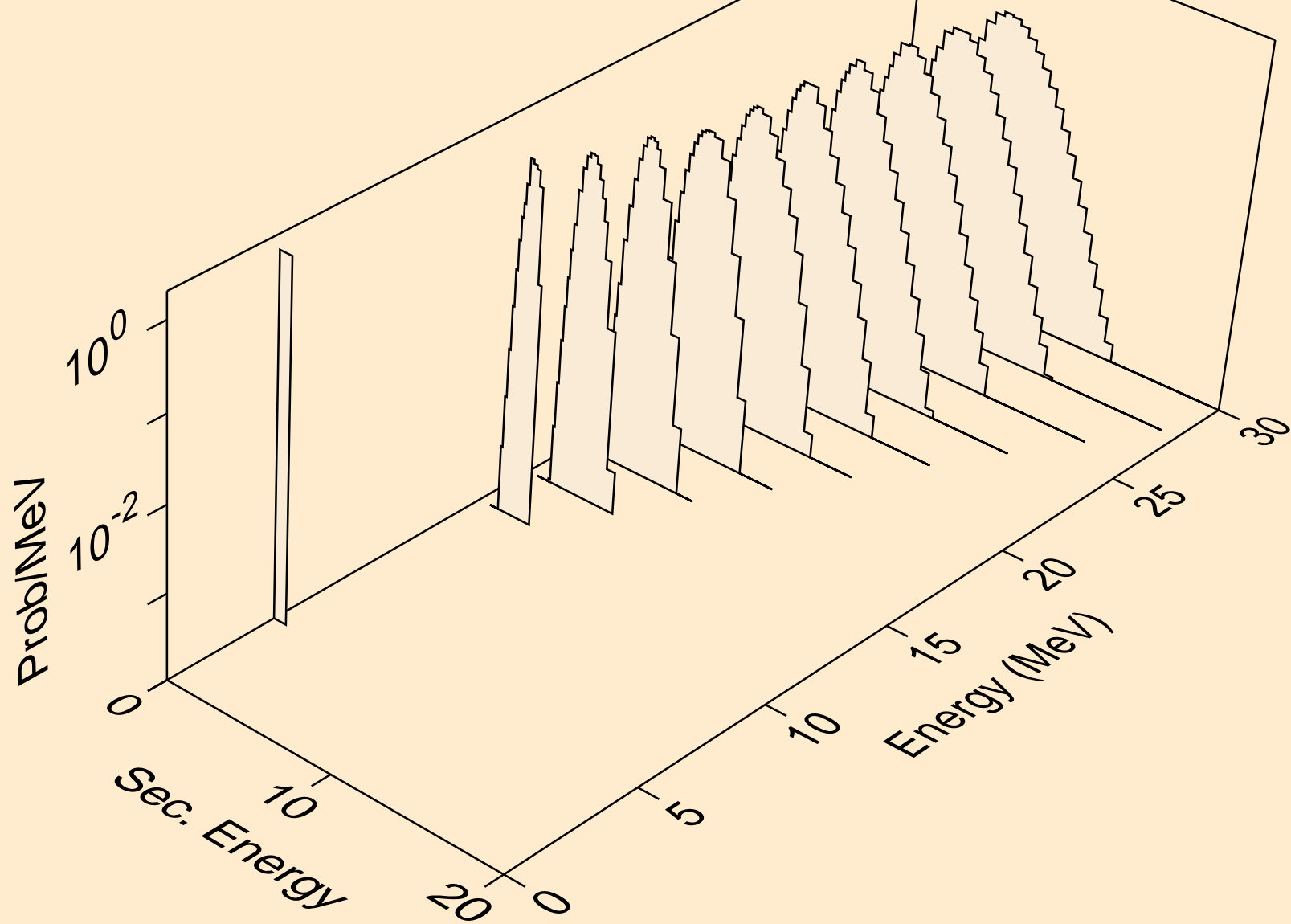
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)



GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n2p)

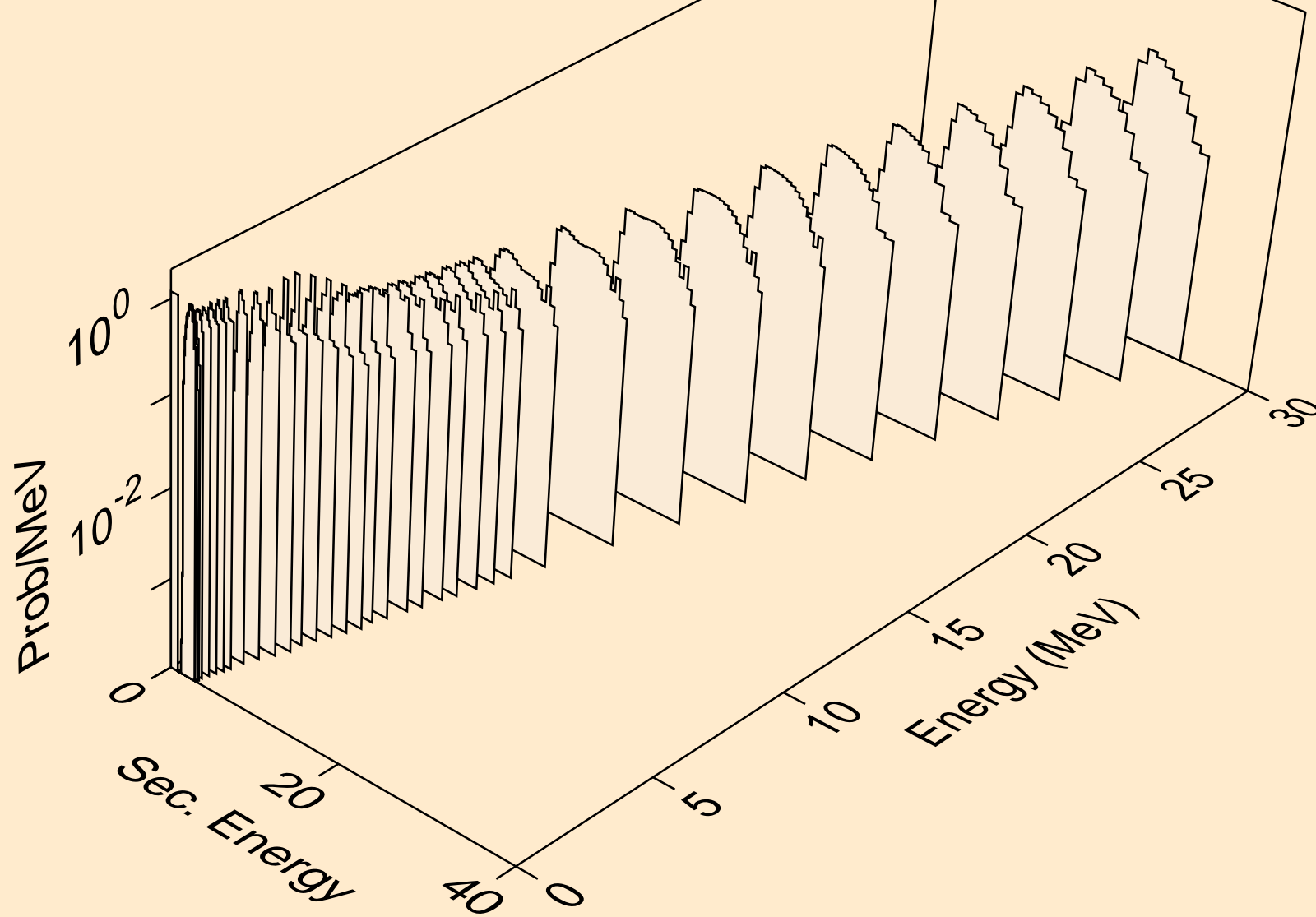


GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,npa)

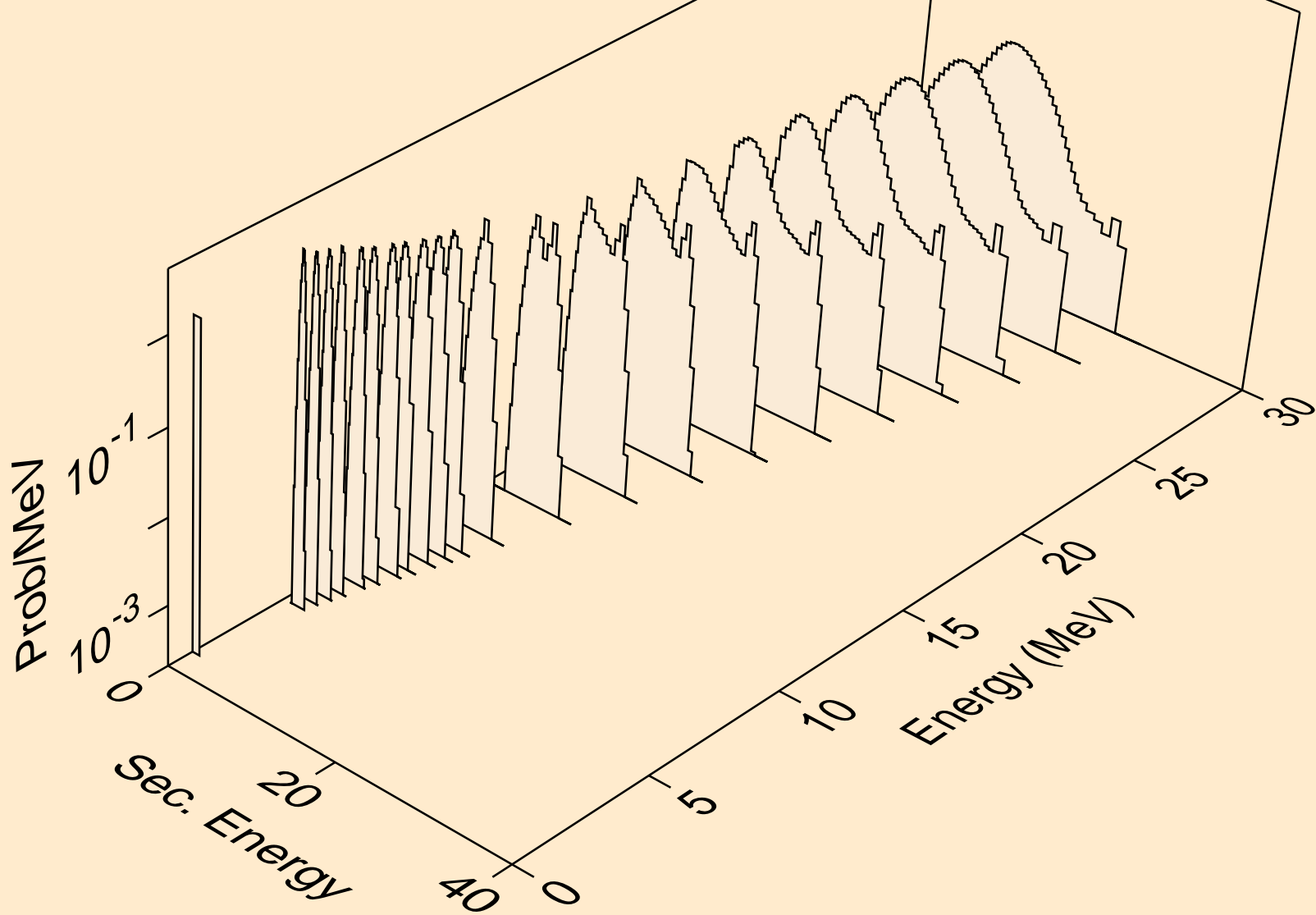




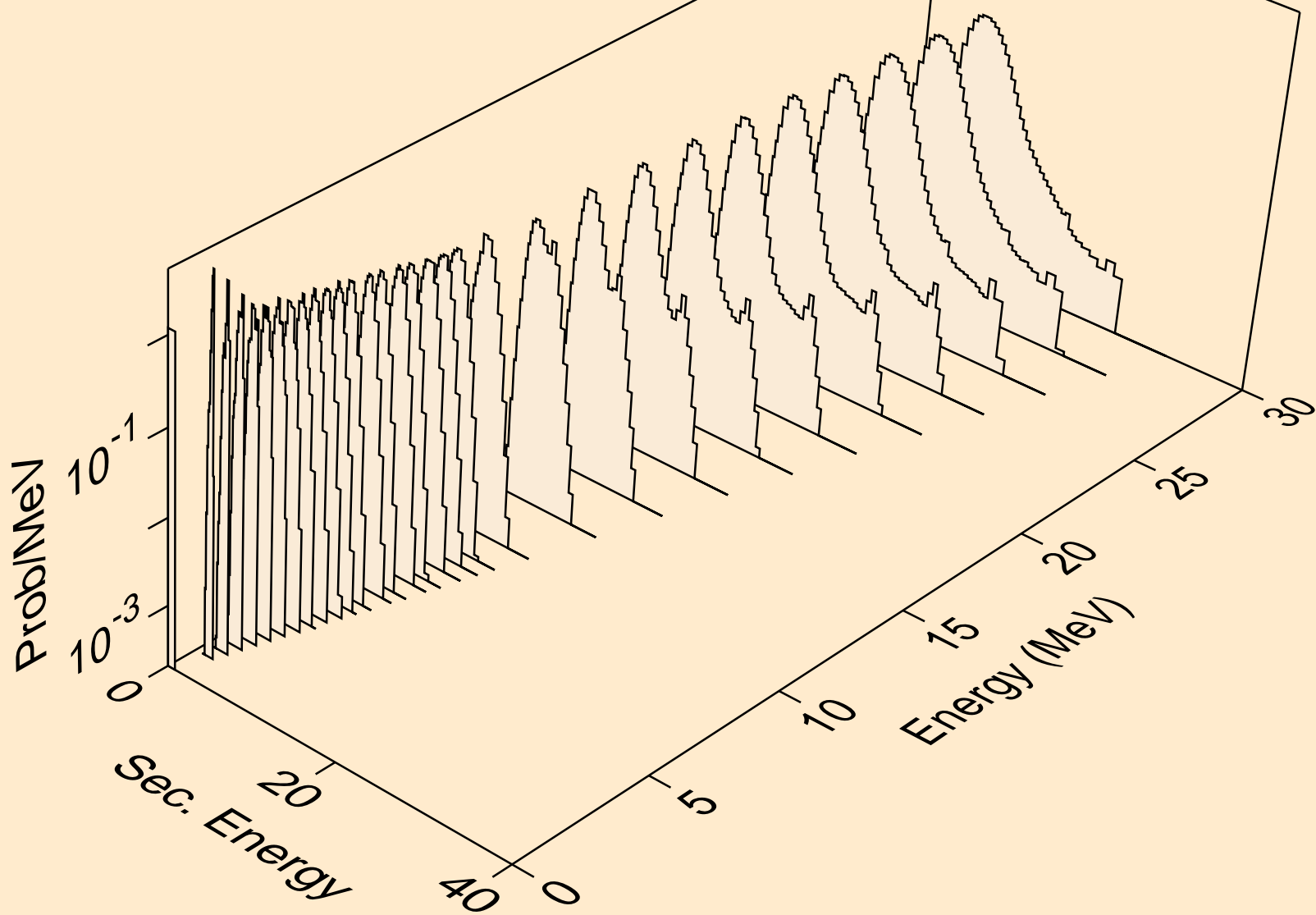
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



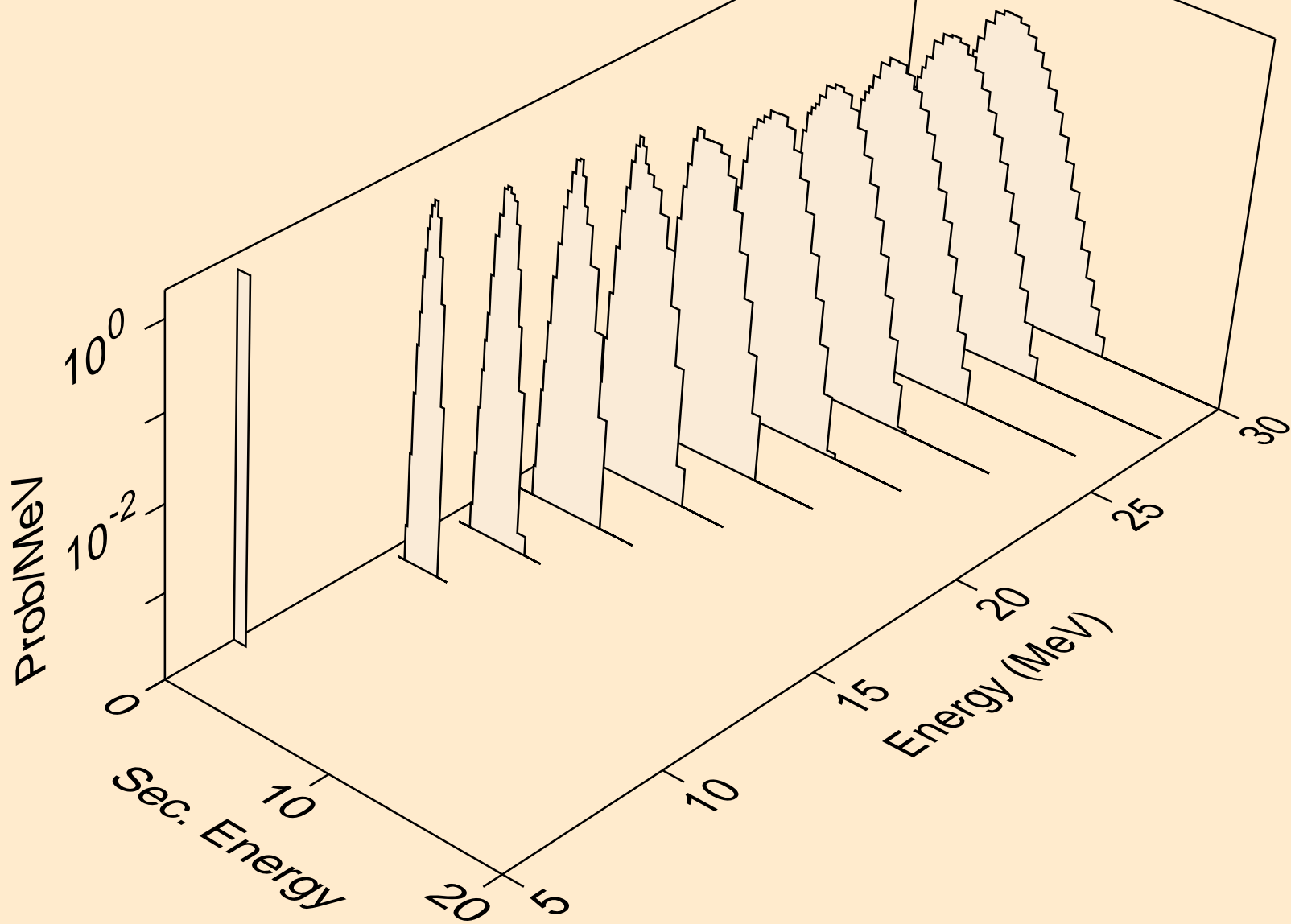
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2p)



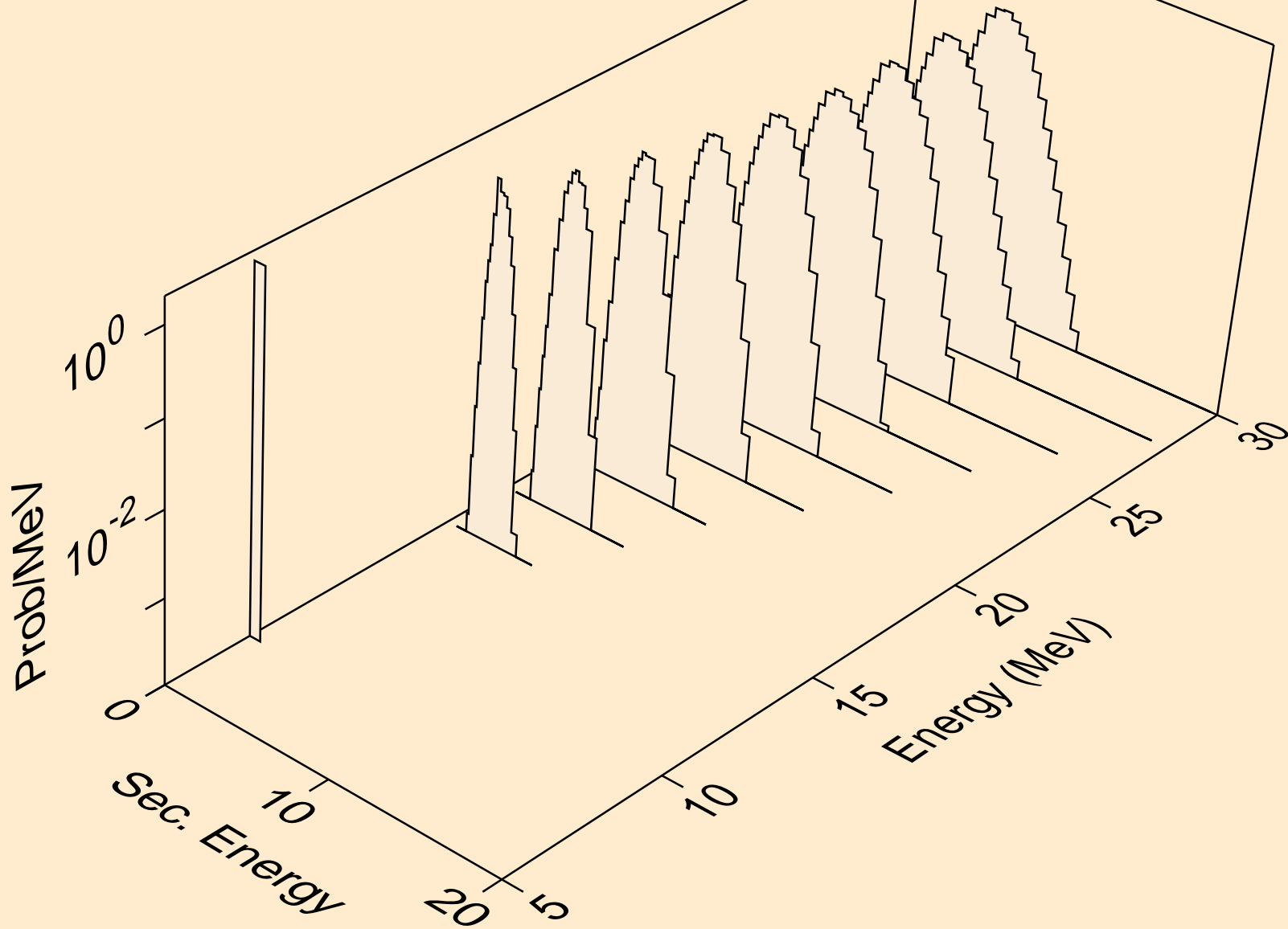
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



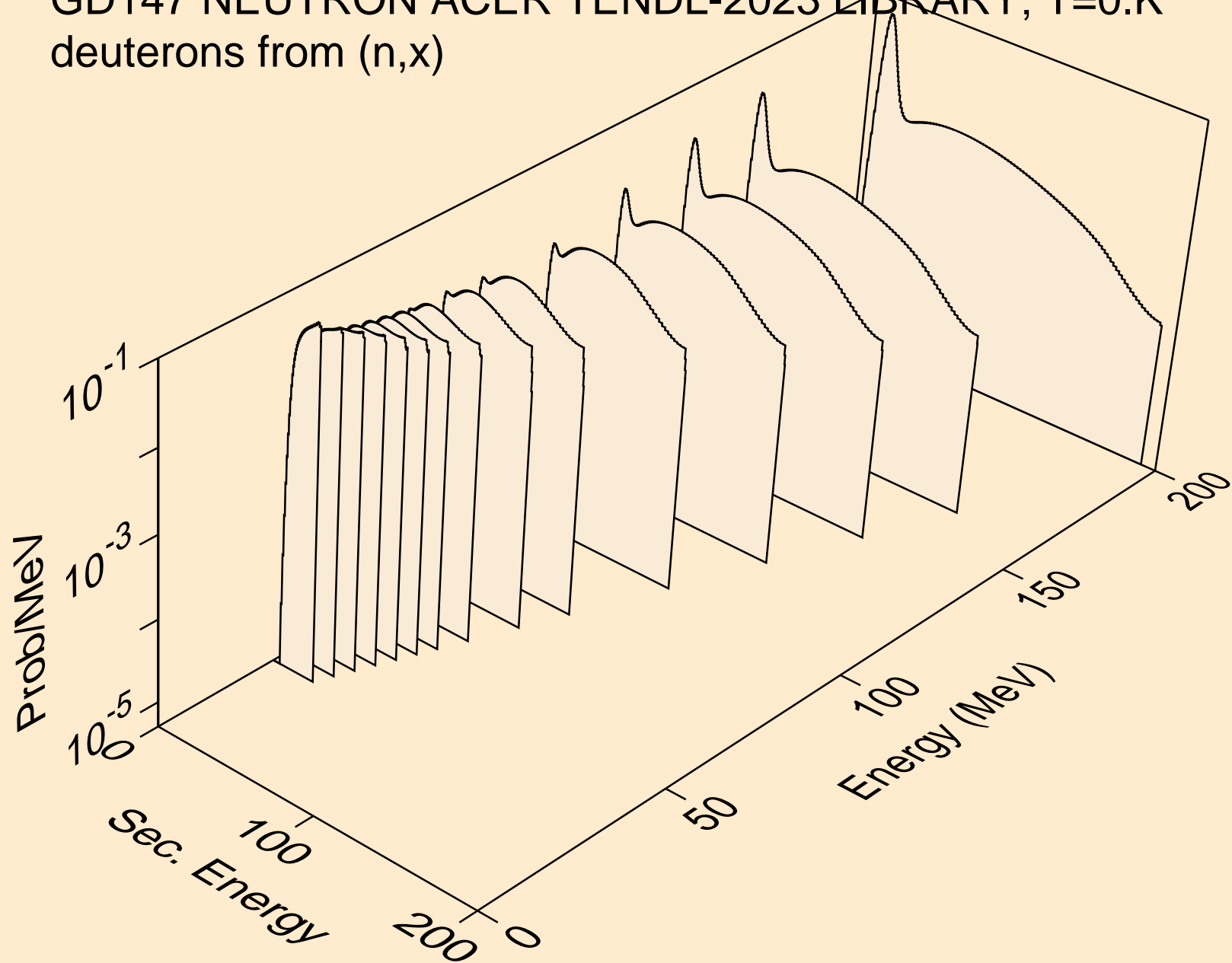
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pd)



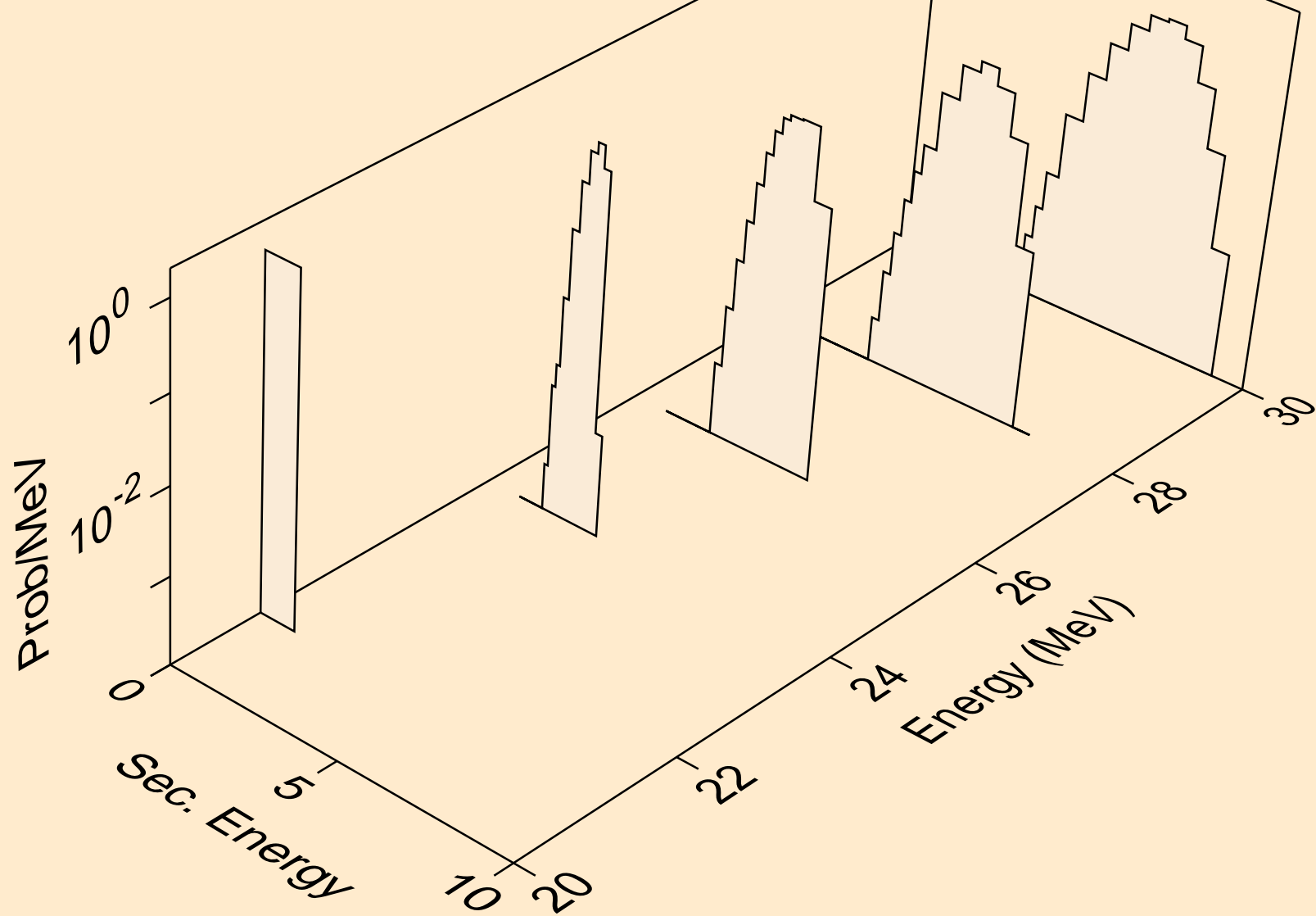
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pt)



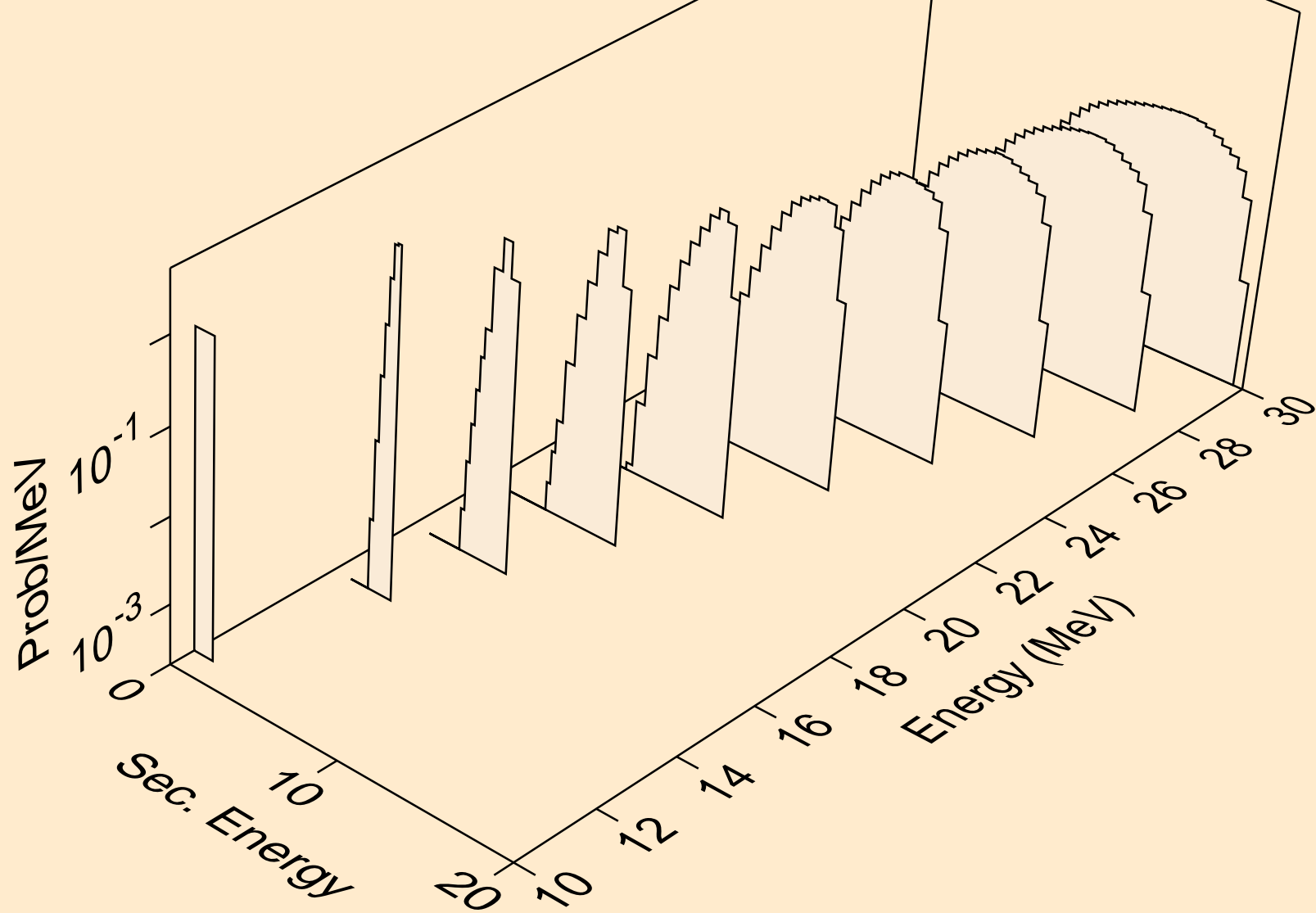
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)



GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,2nd)

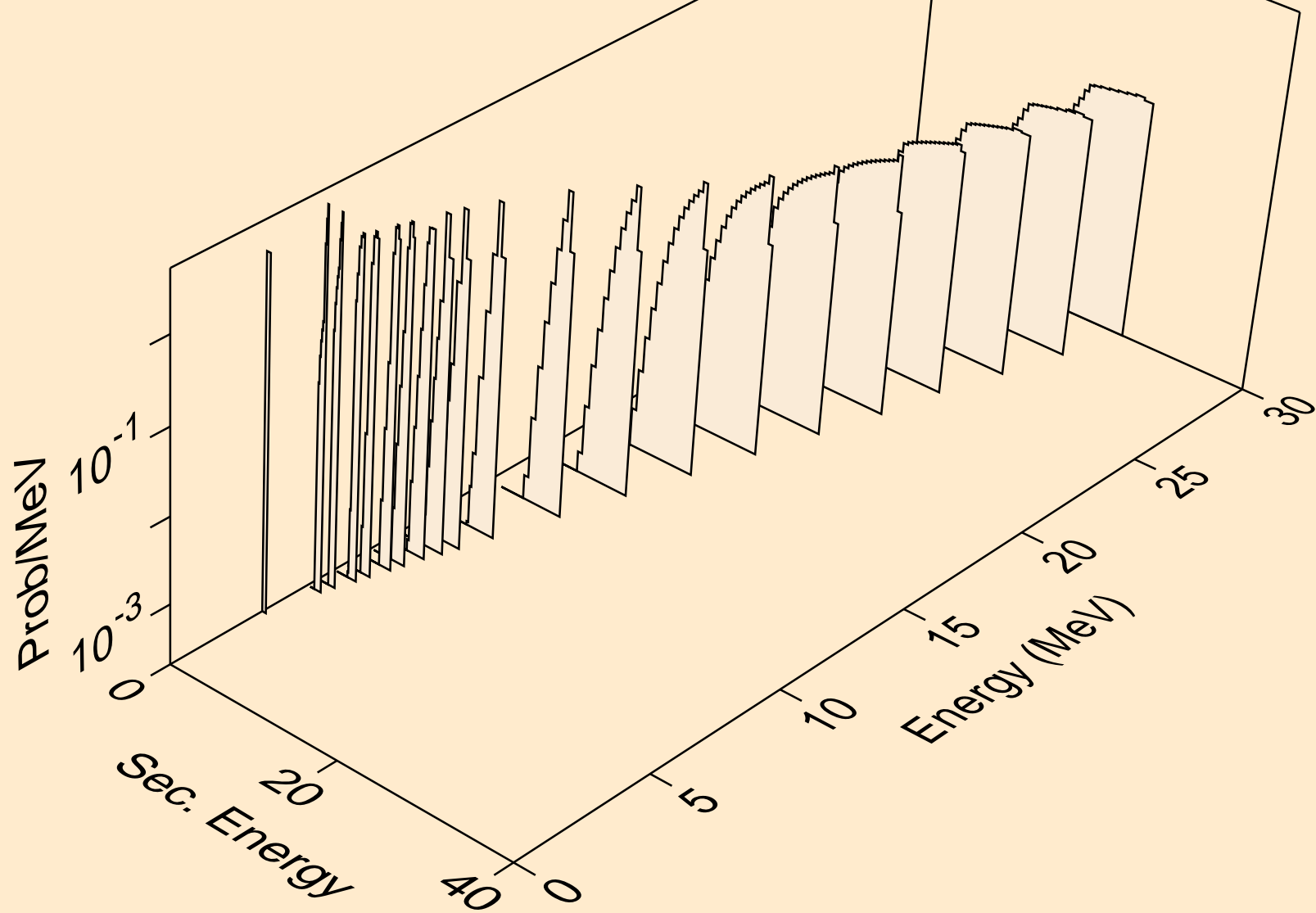


GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d

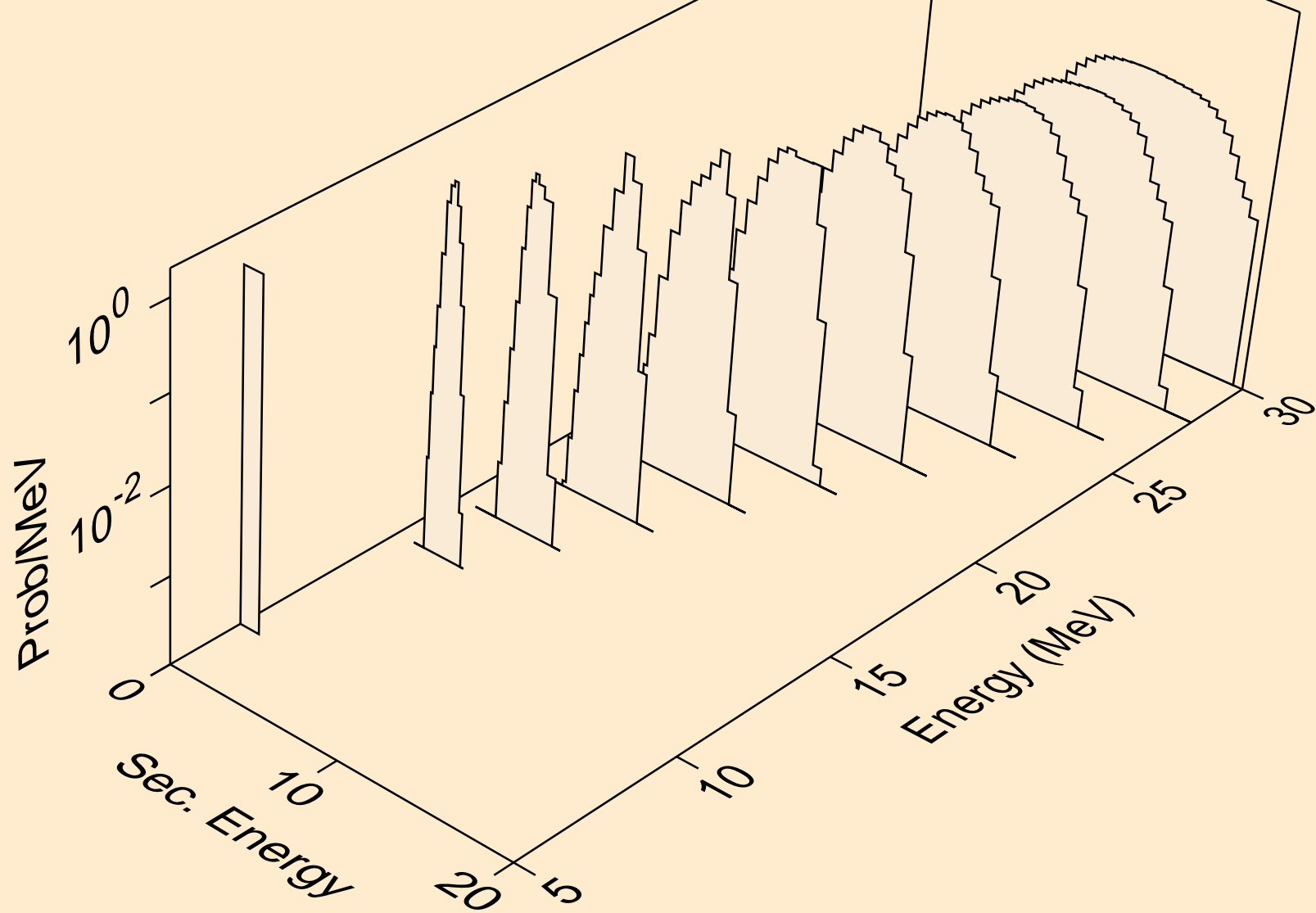




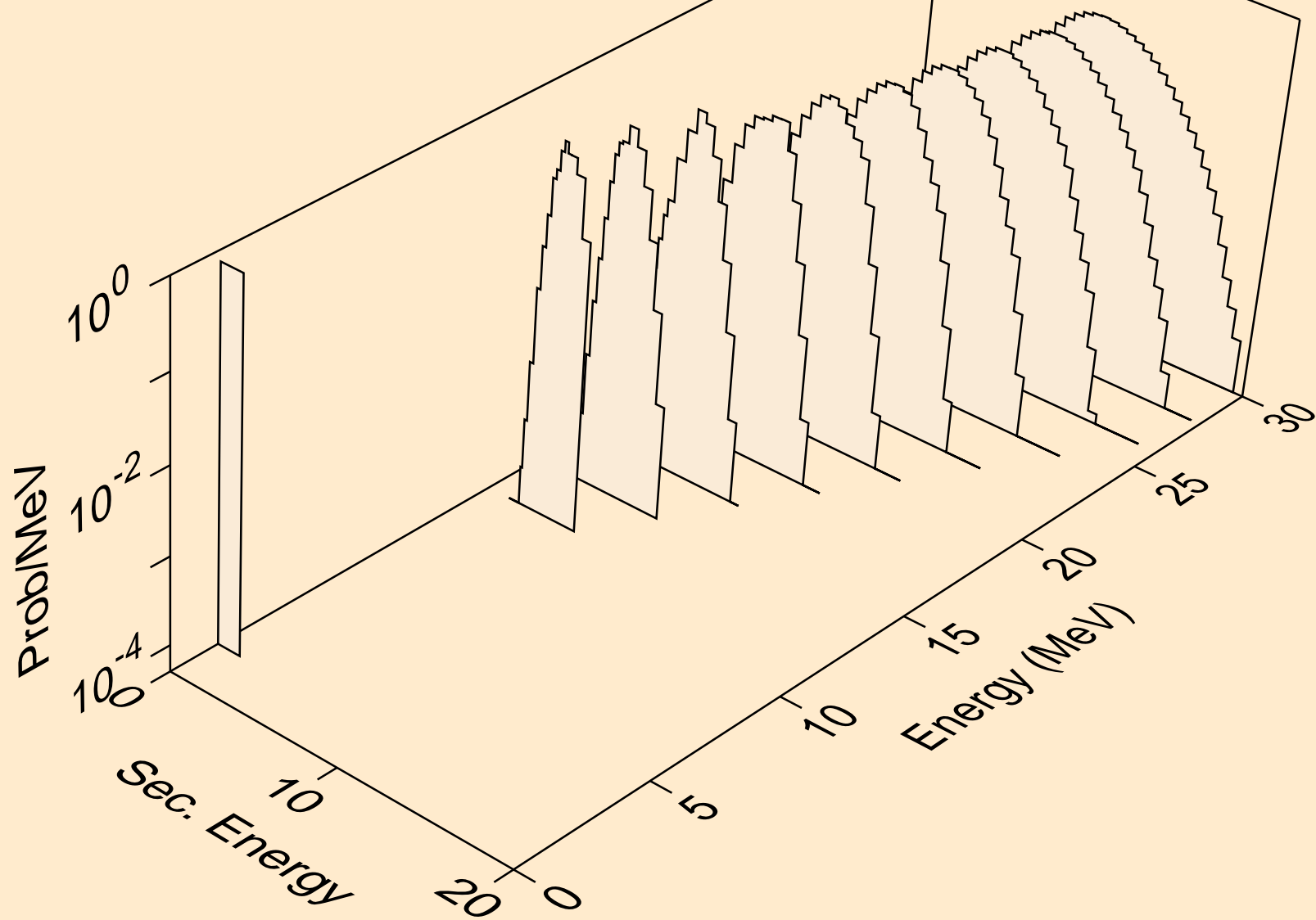
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d)



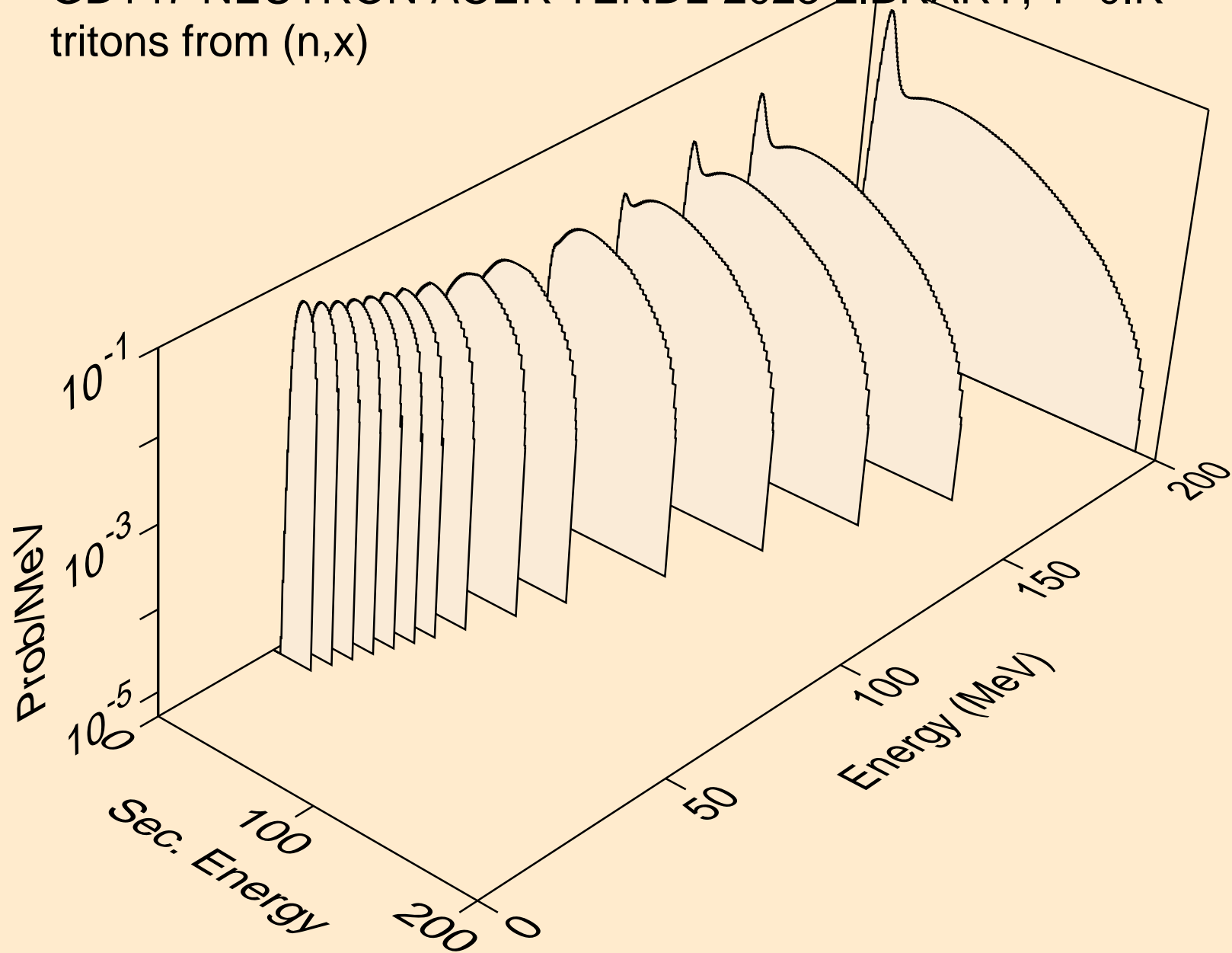
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,pd)



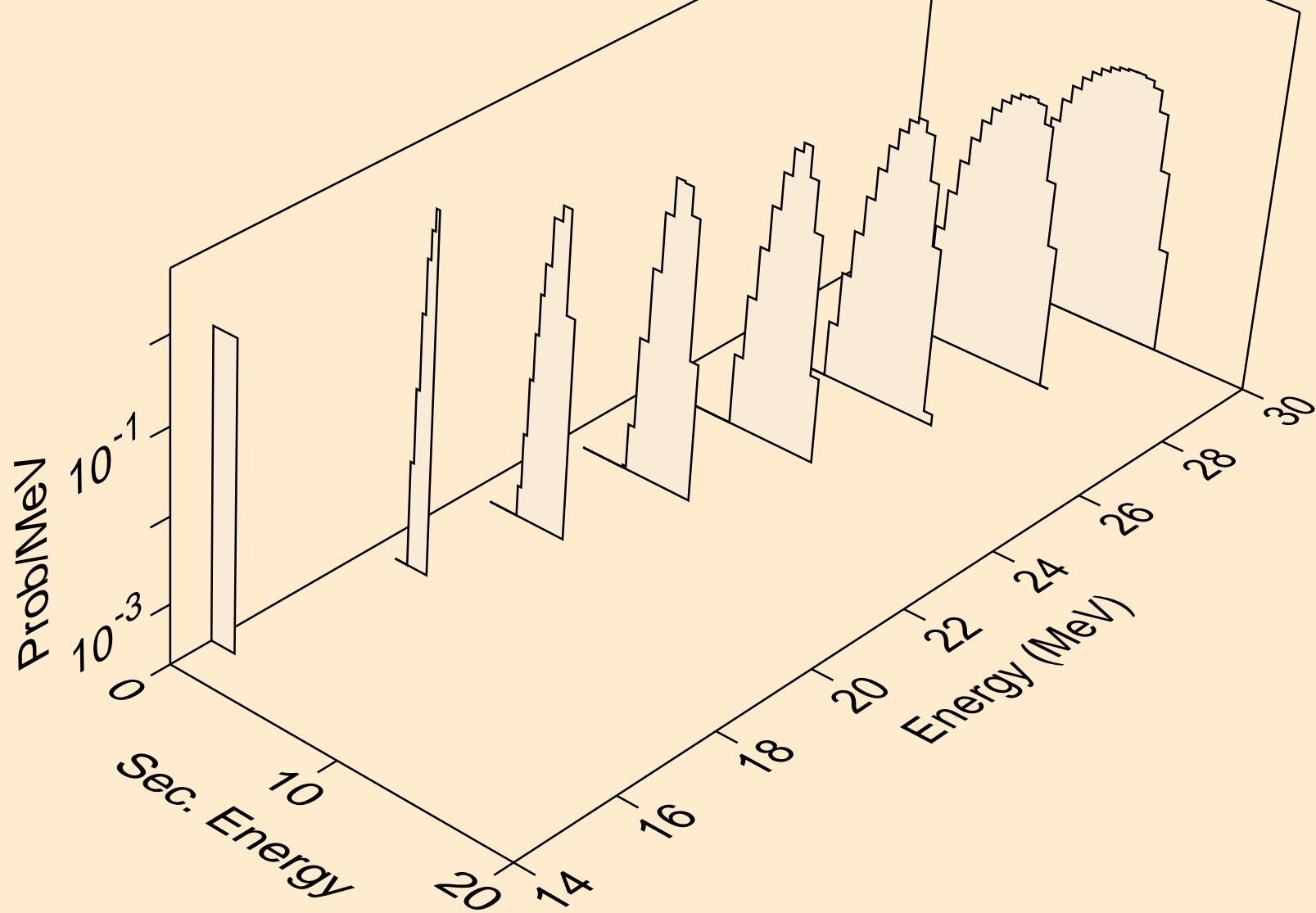
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,da)



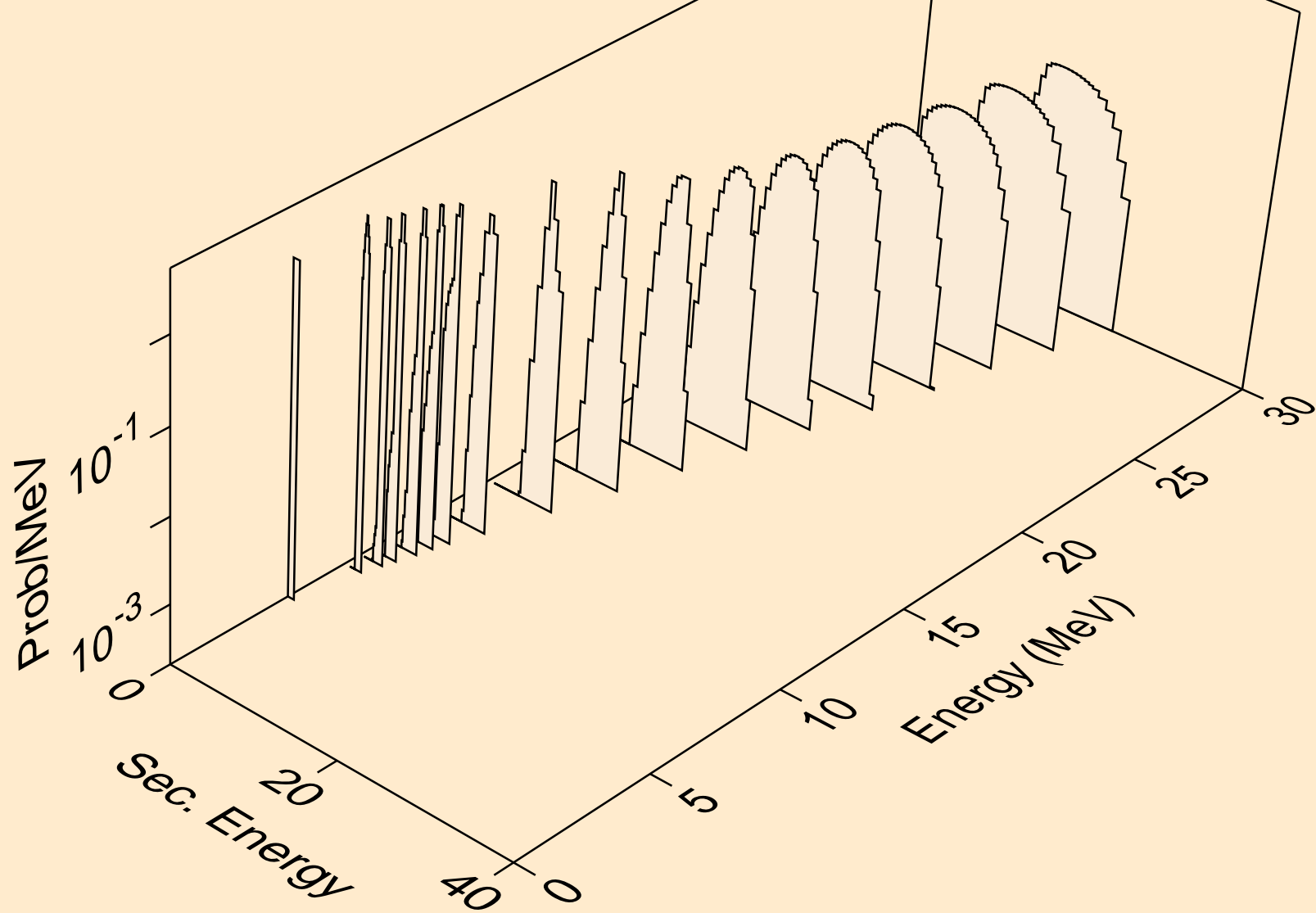
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



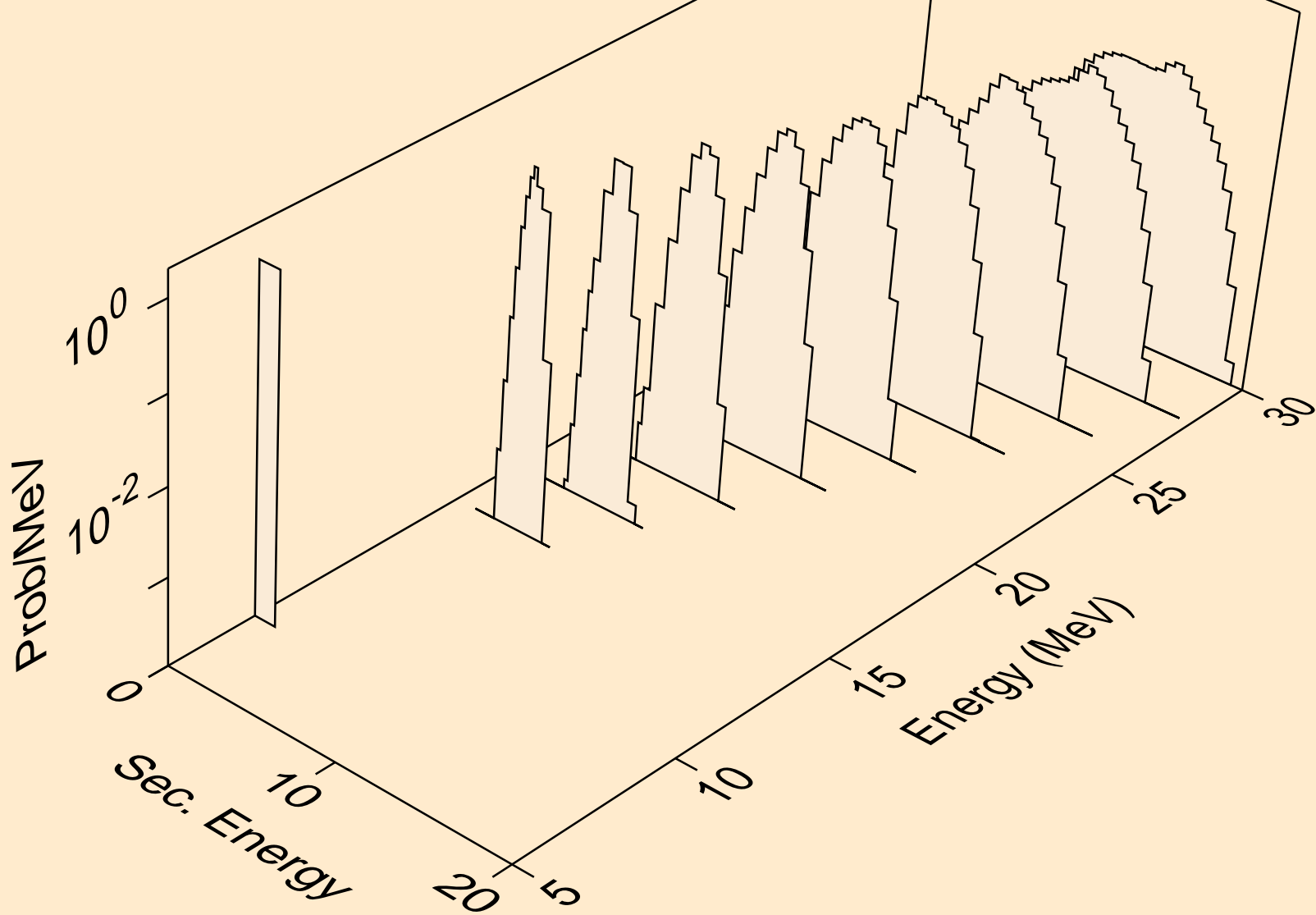
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



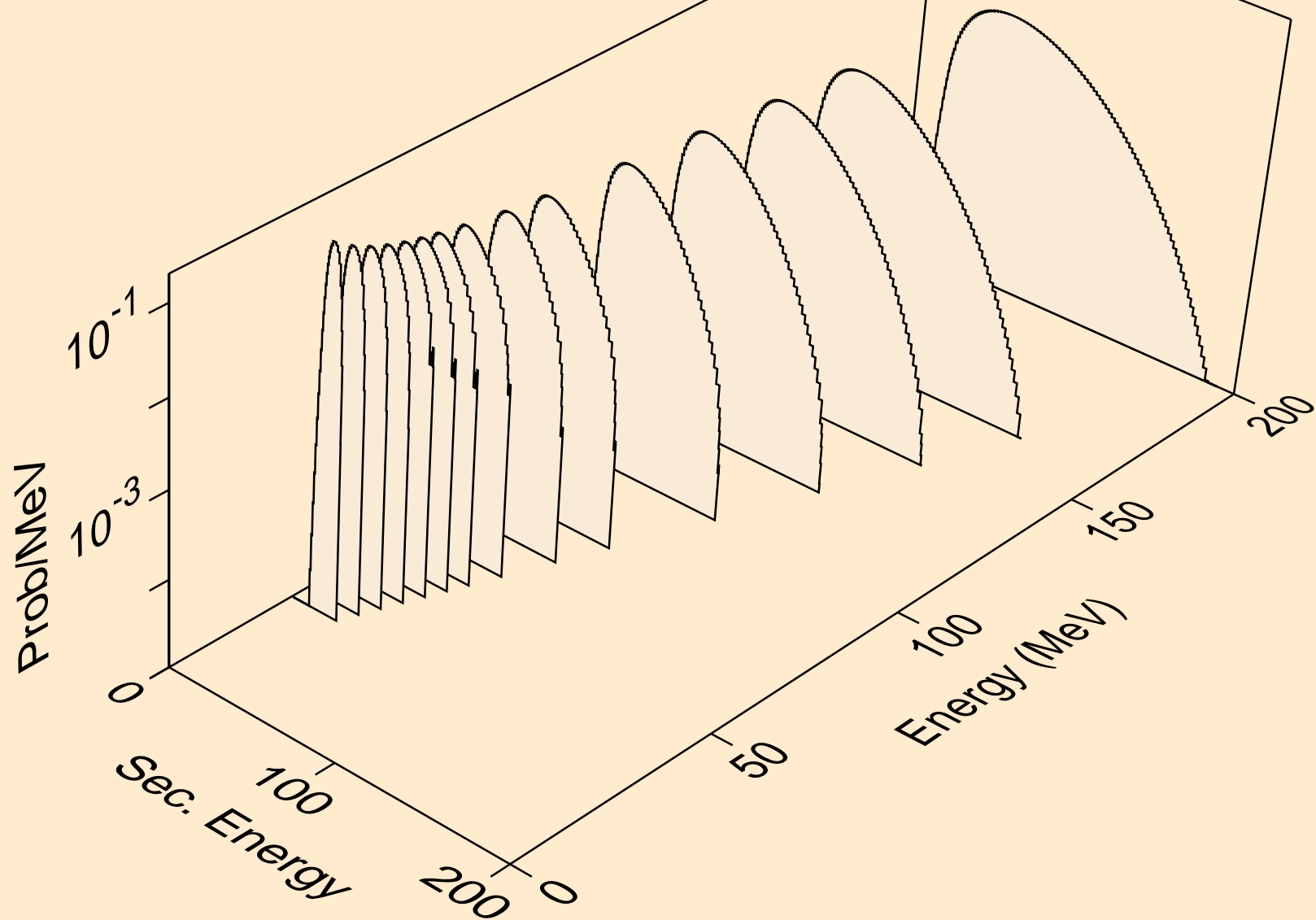
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)



GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)

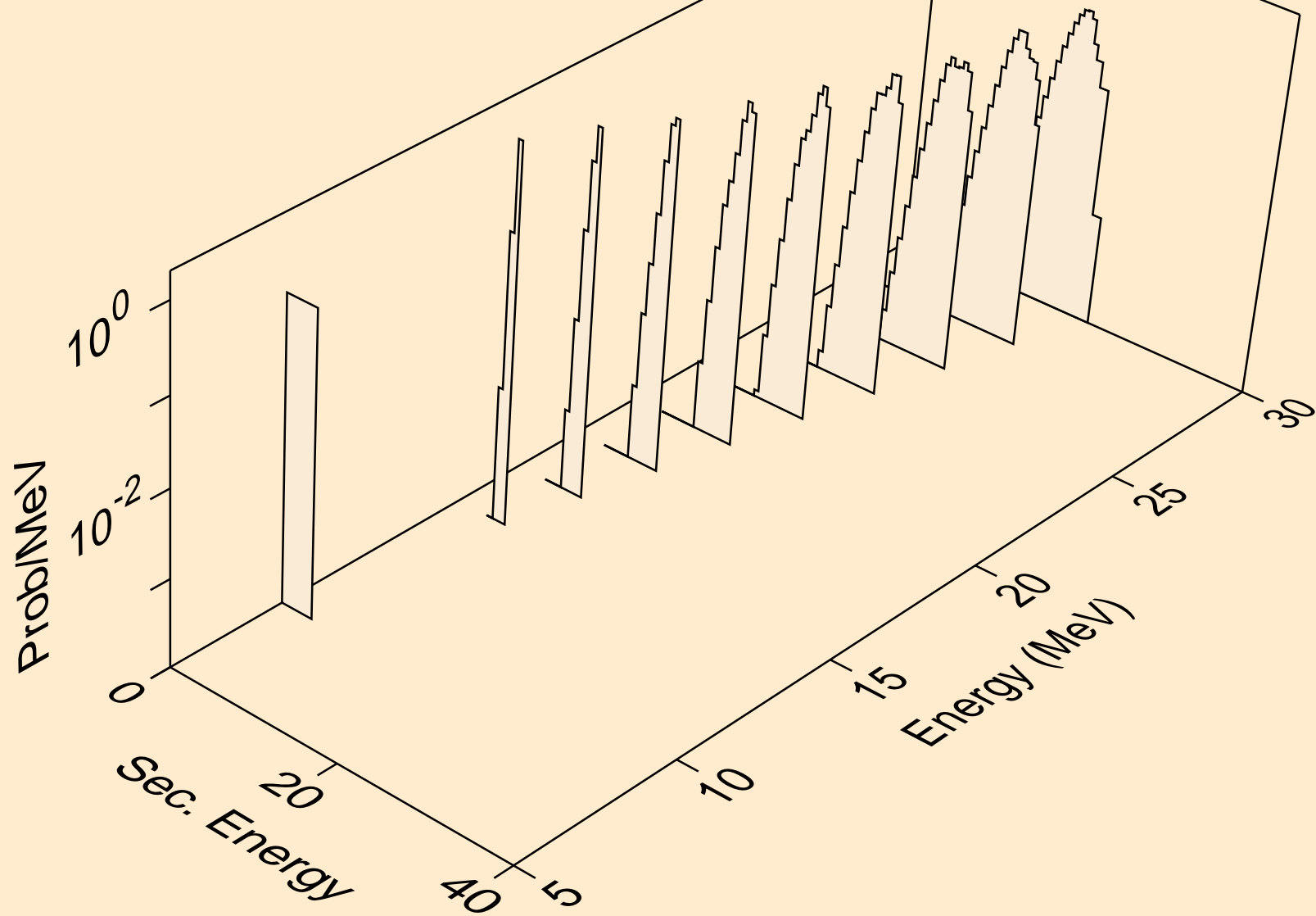


GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)

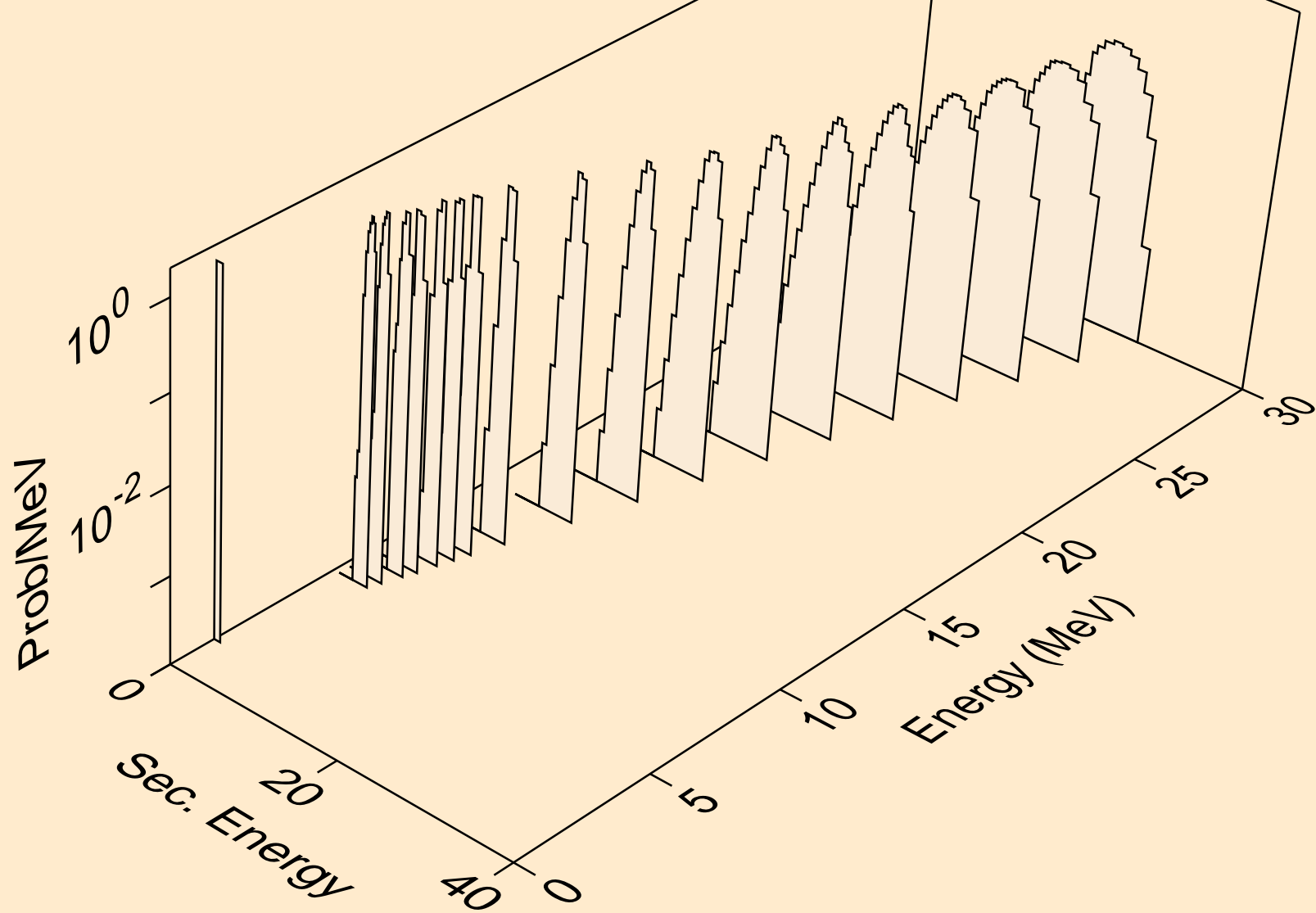




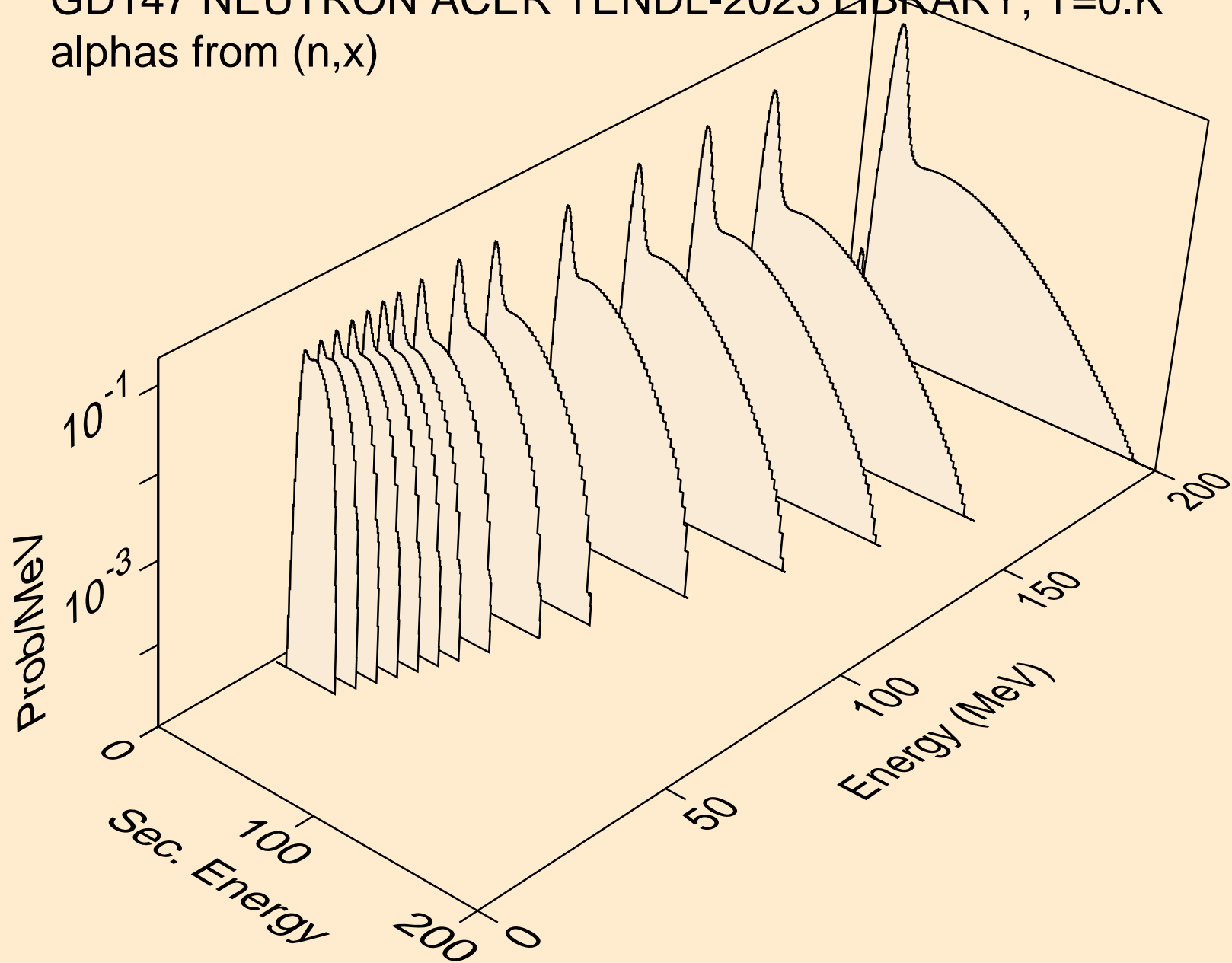
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3



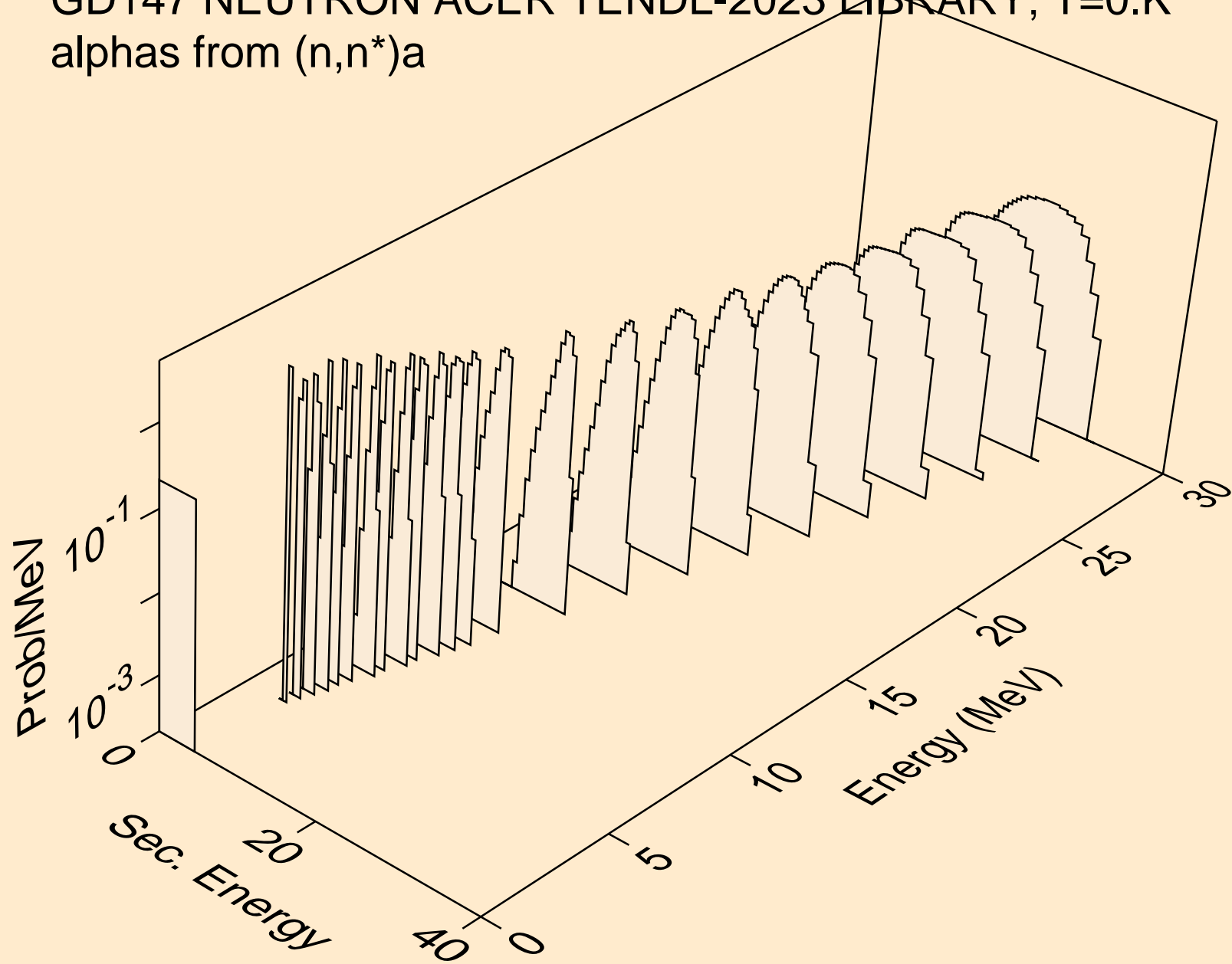
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,he3)



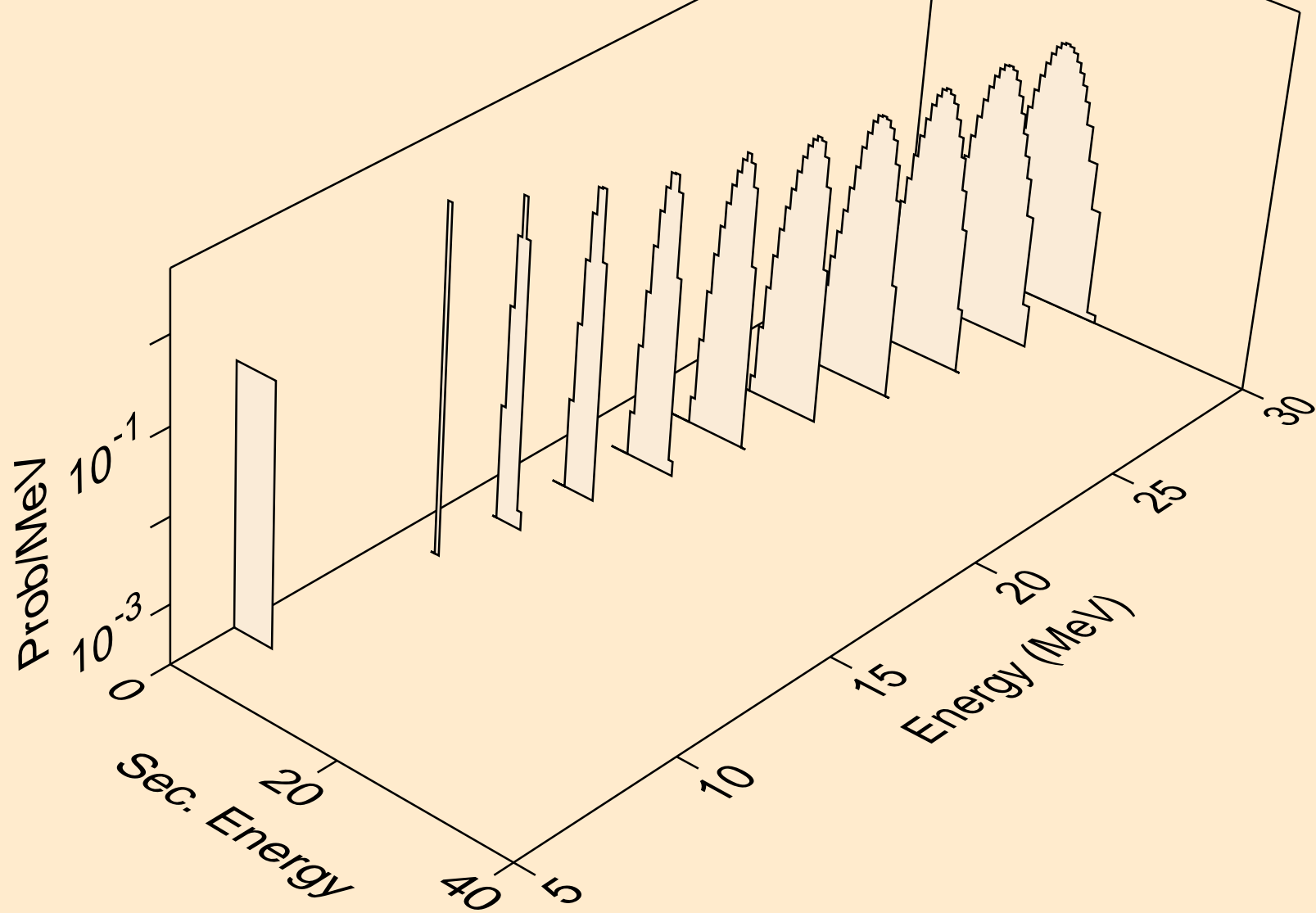
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



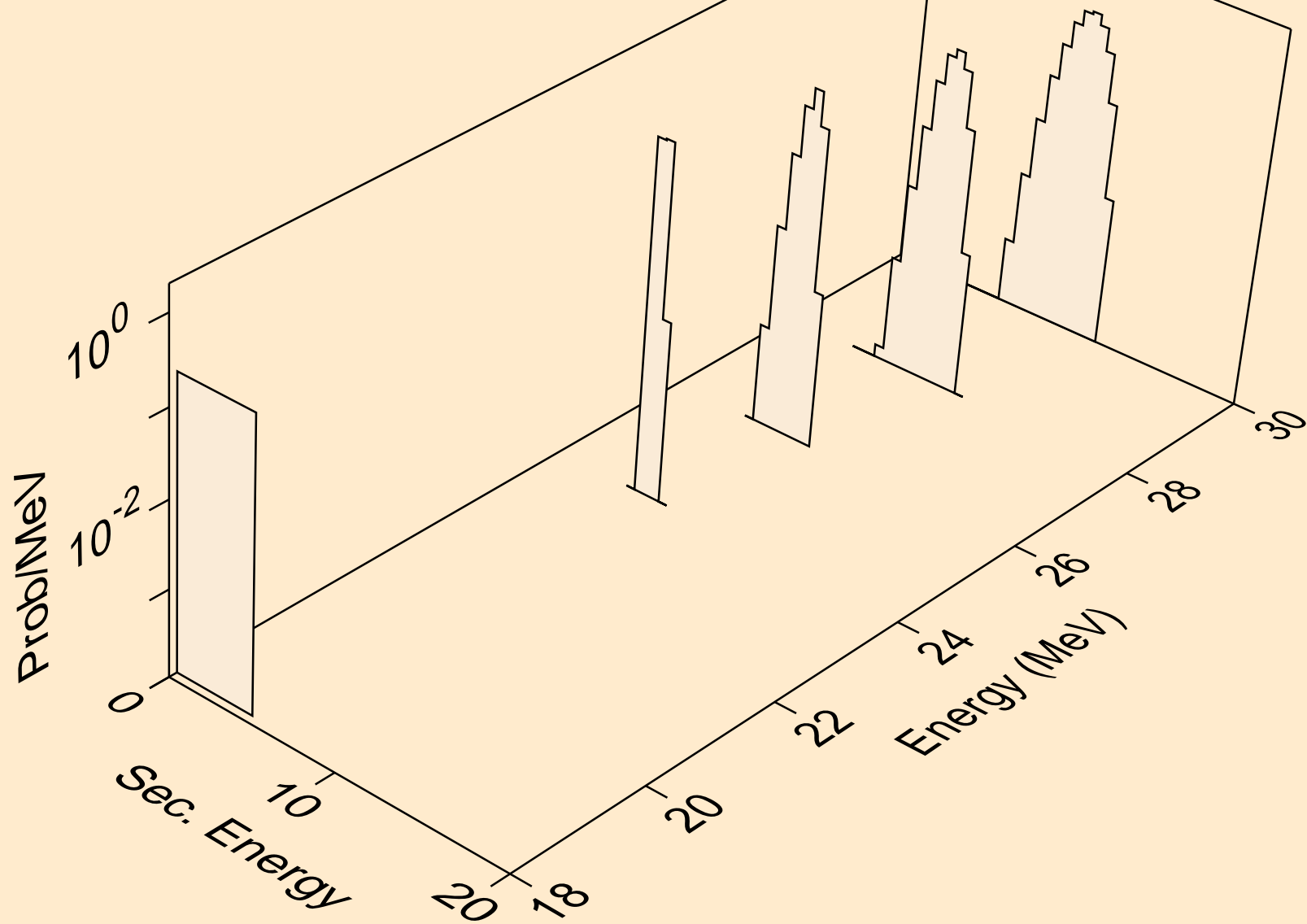
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



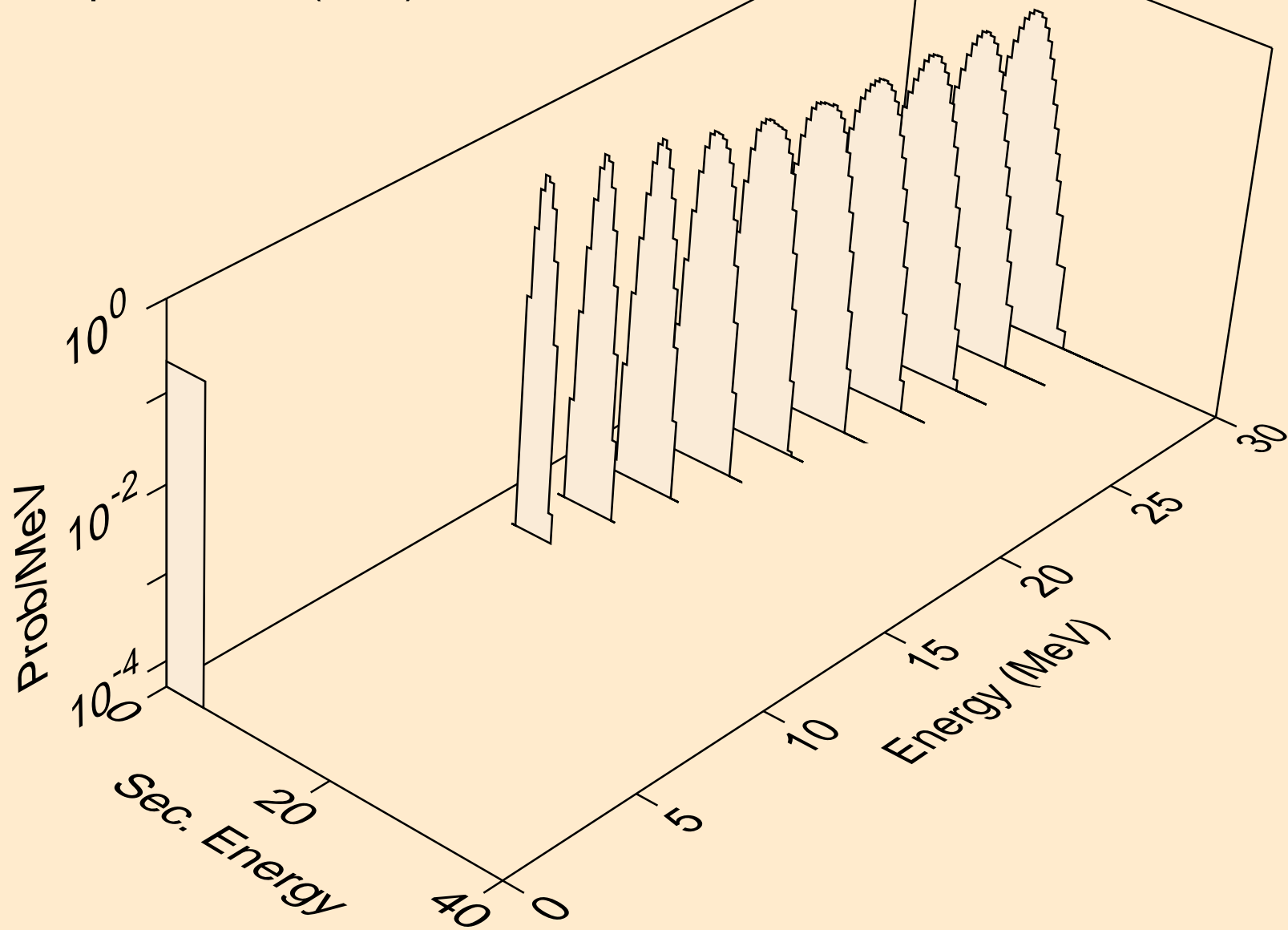
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



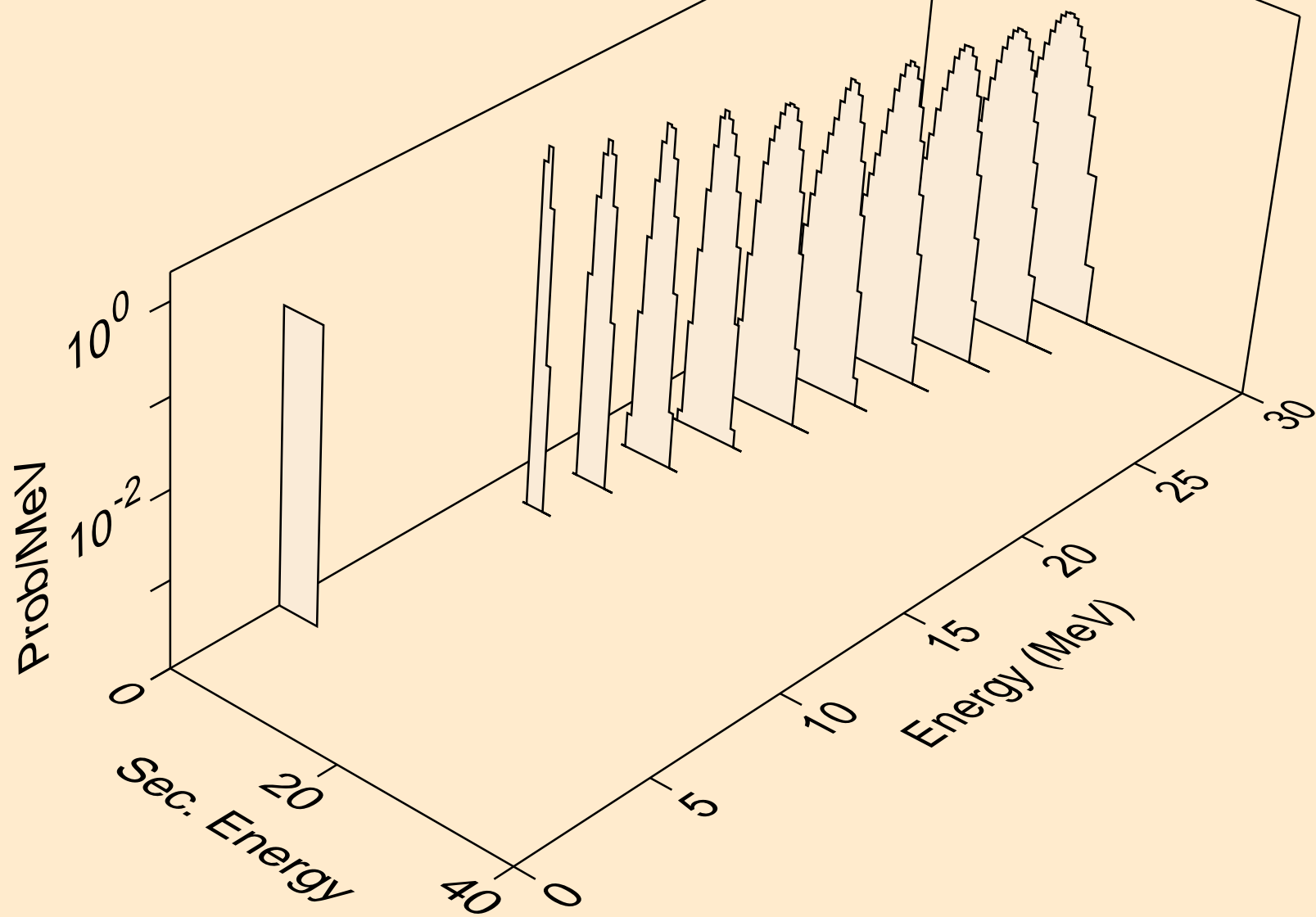
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a

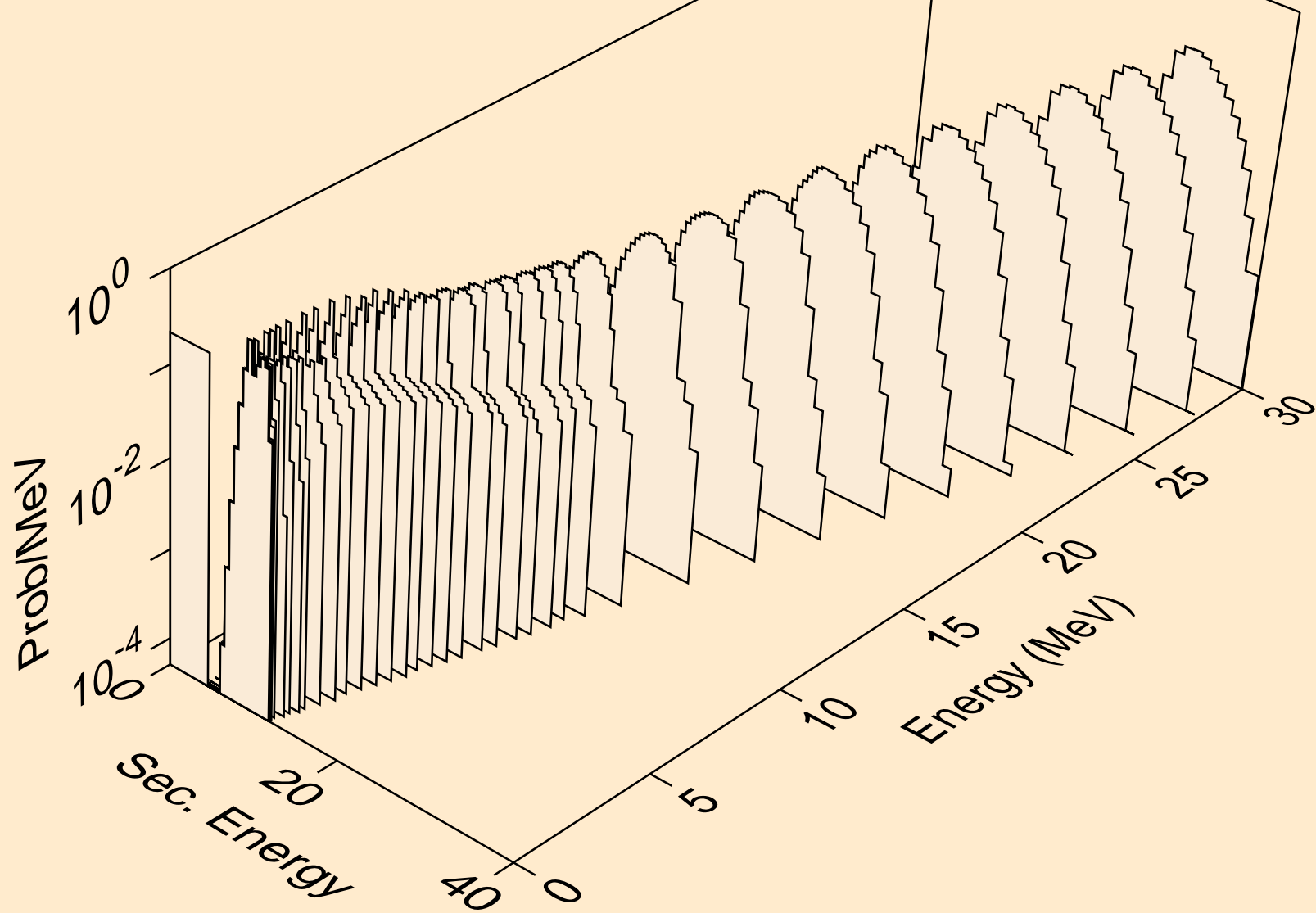


GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)

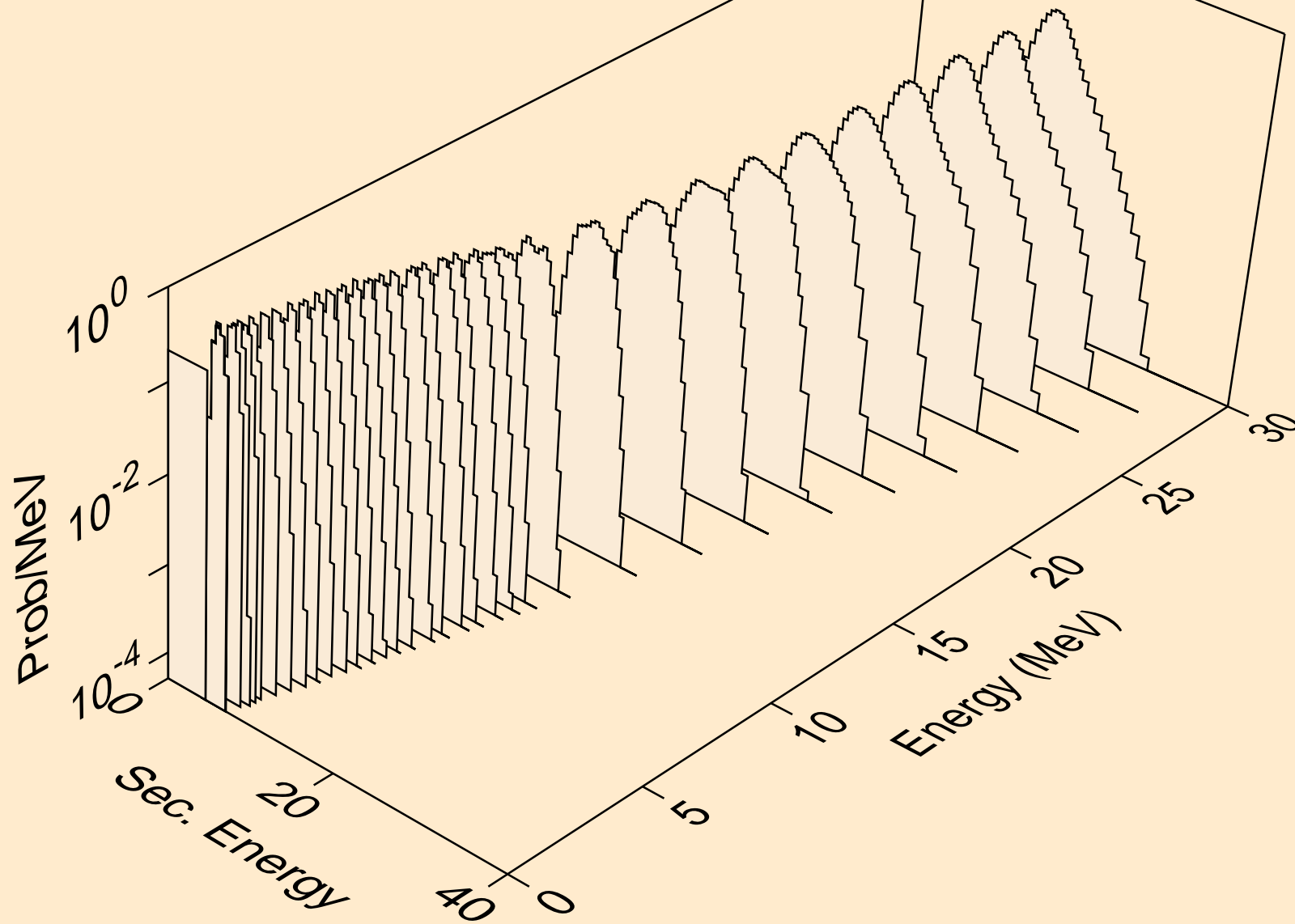




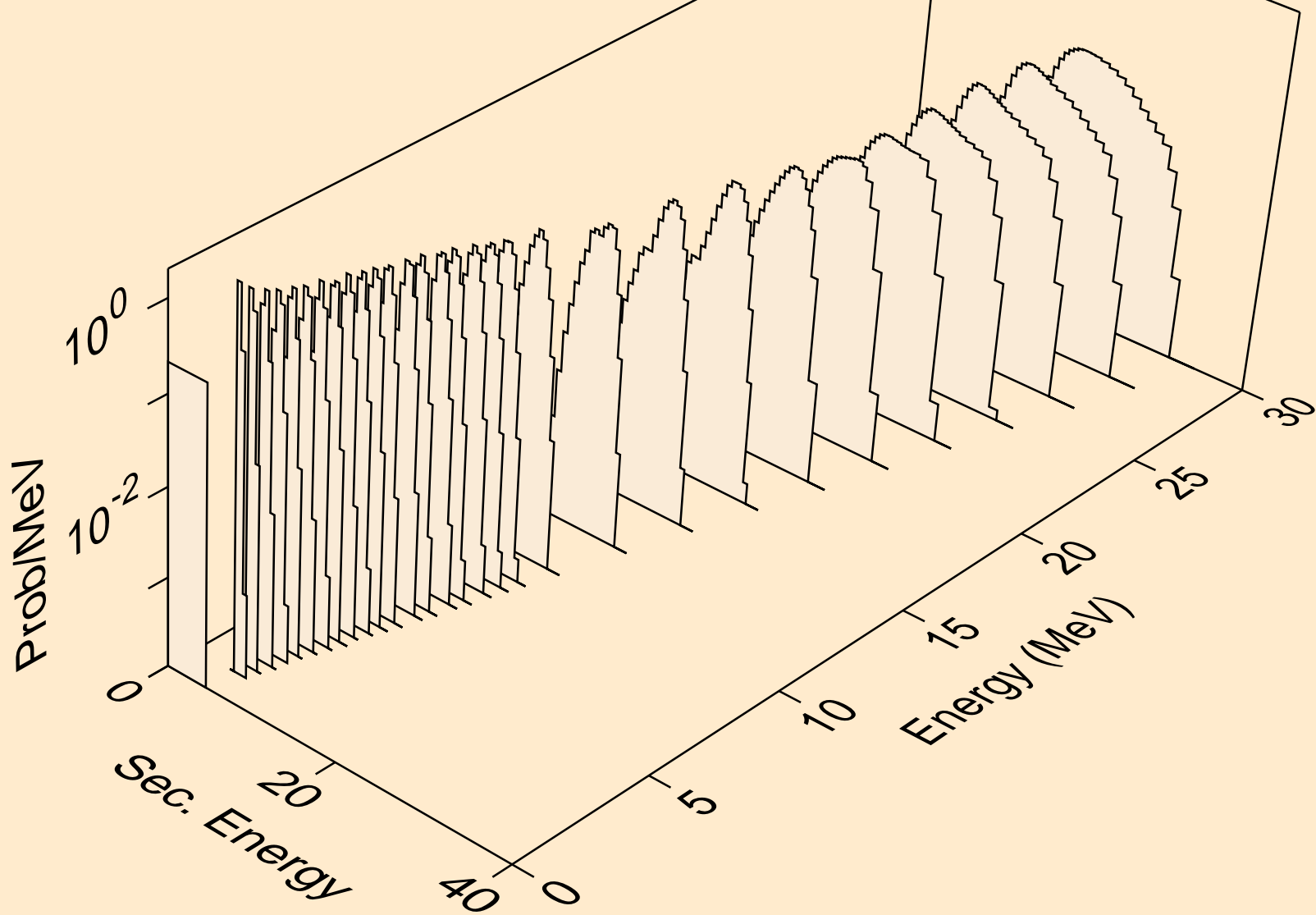
GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



GD147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

