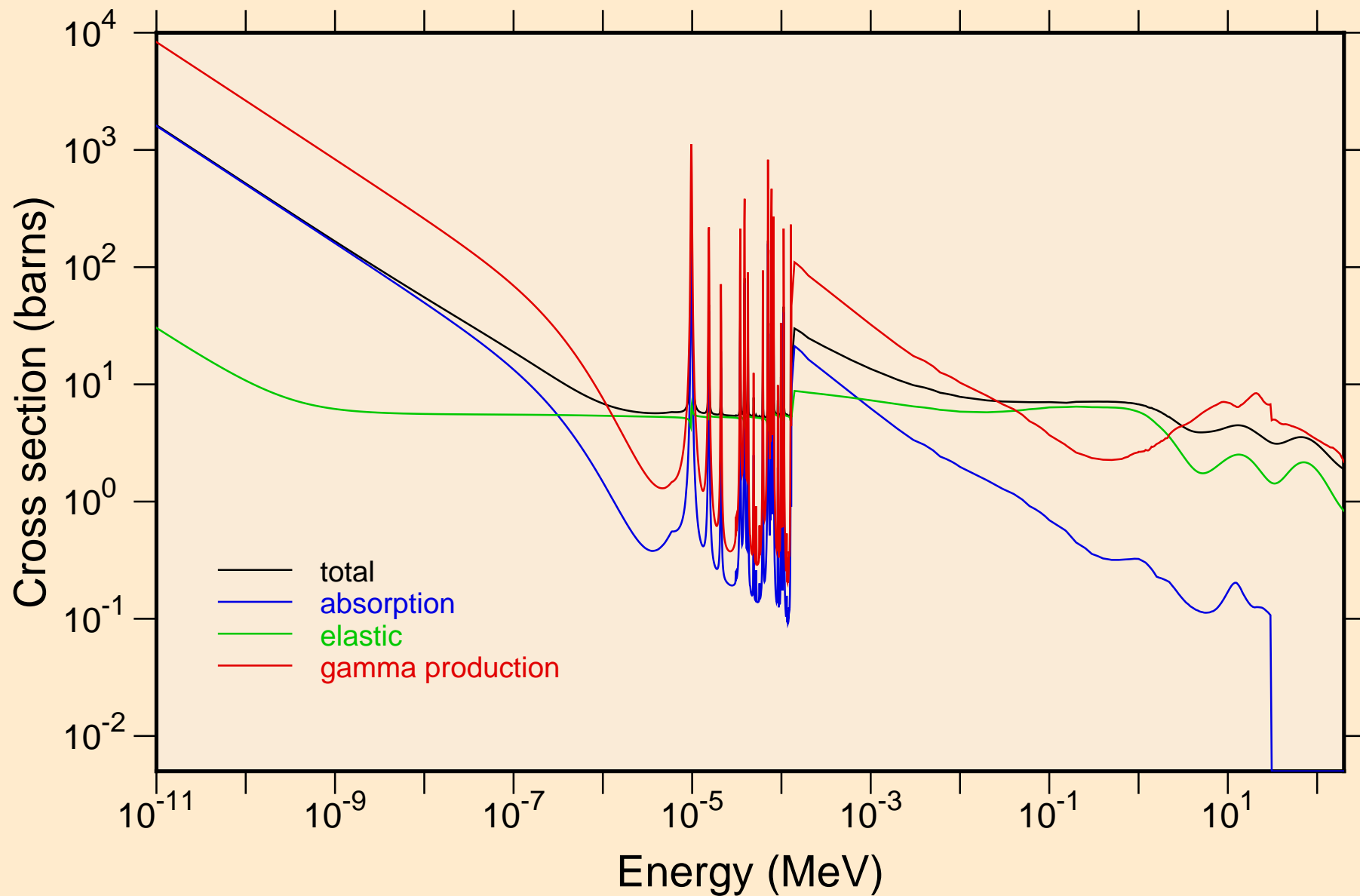
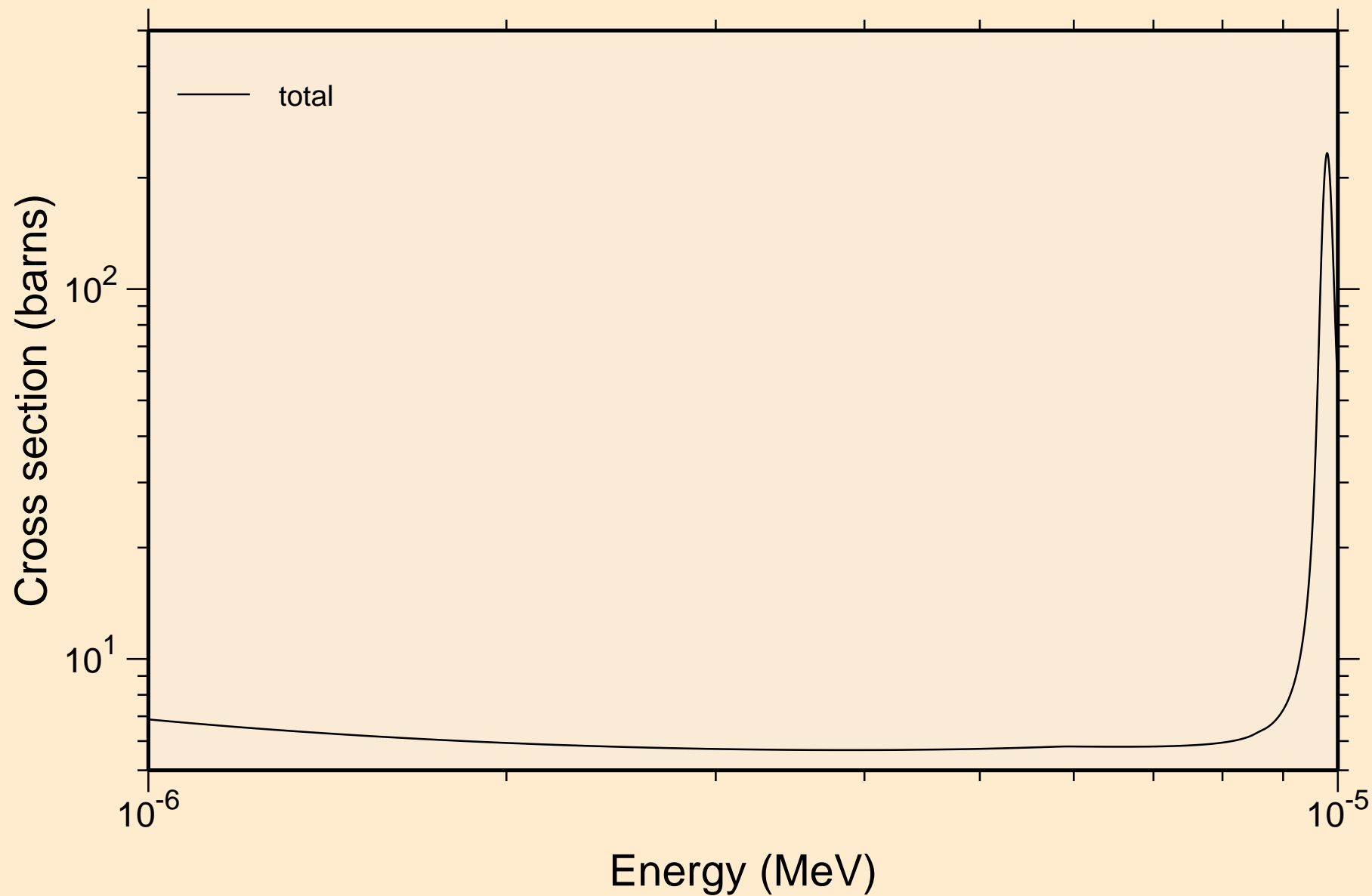


# SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

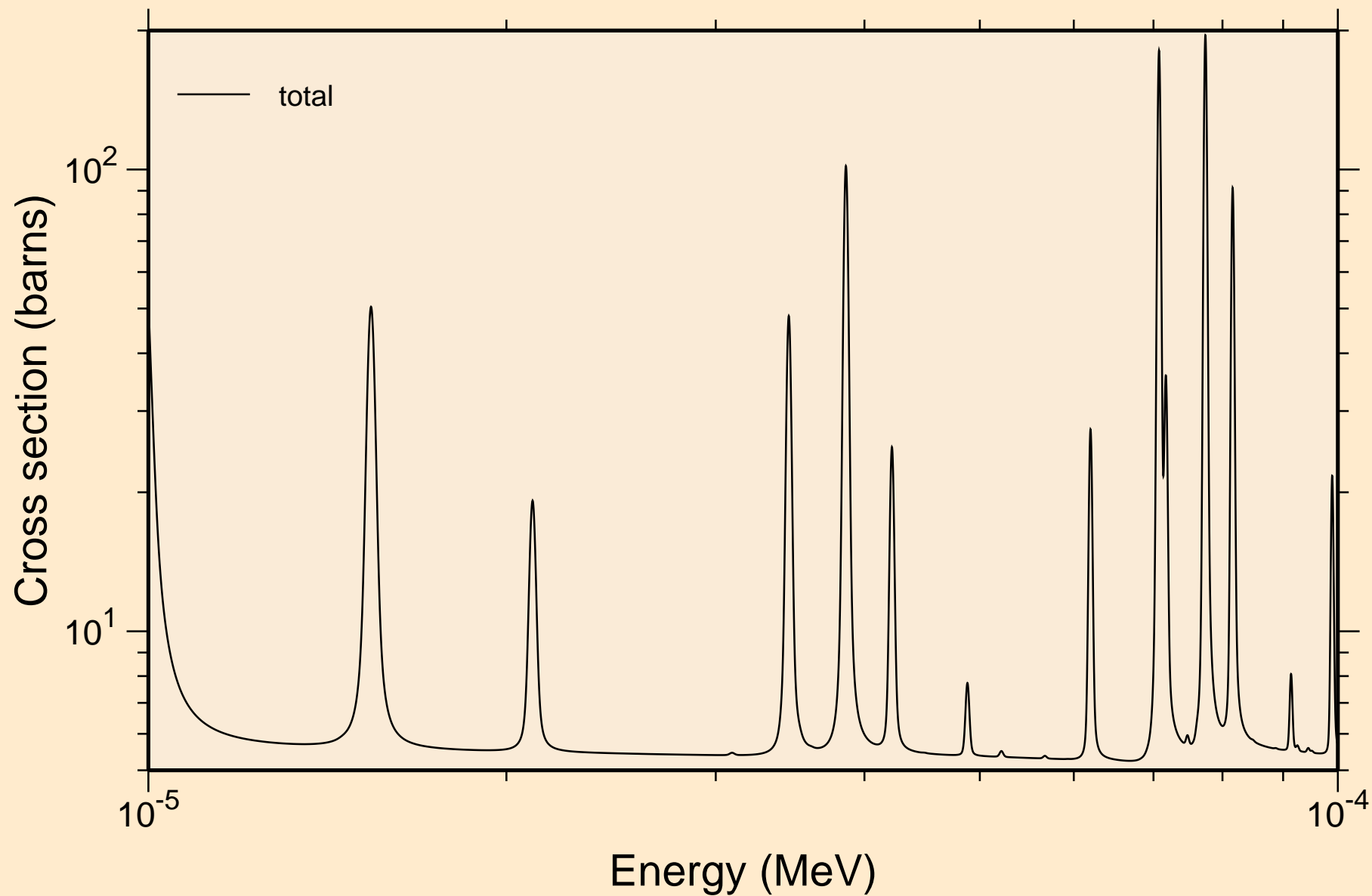
## Principal cross sections



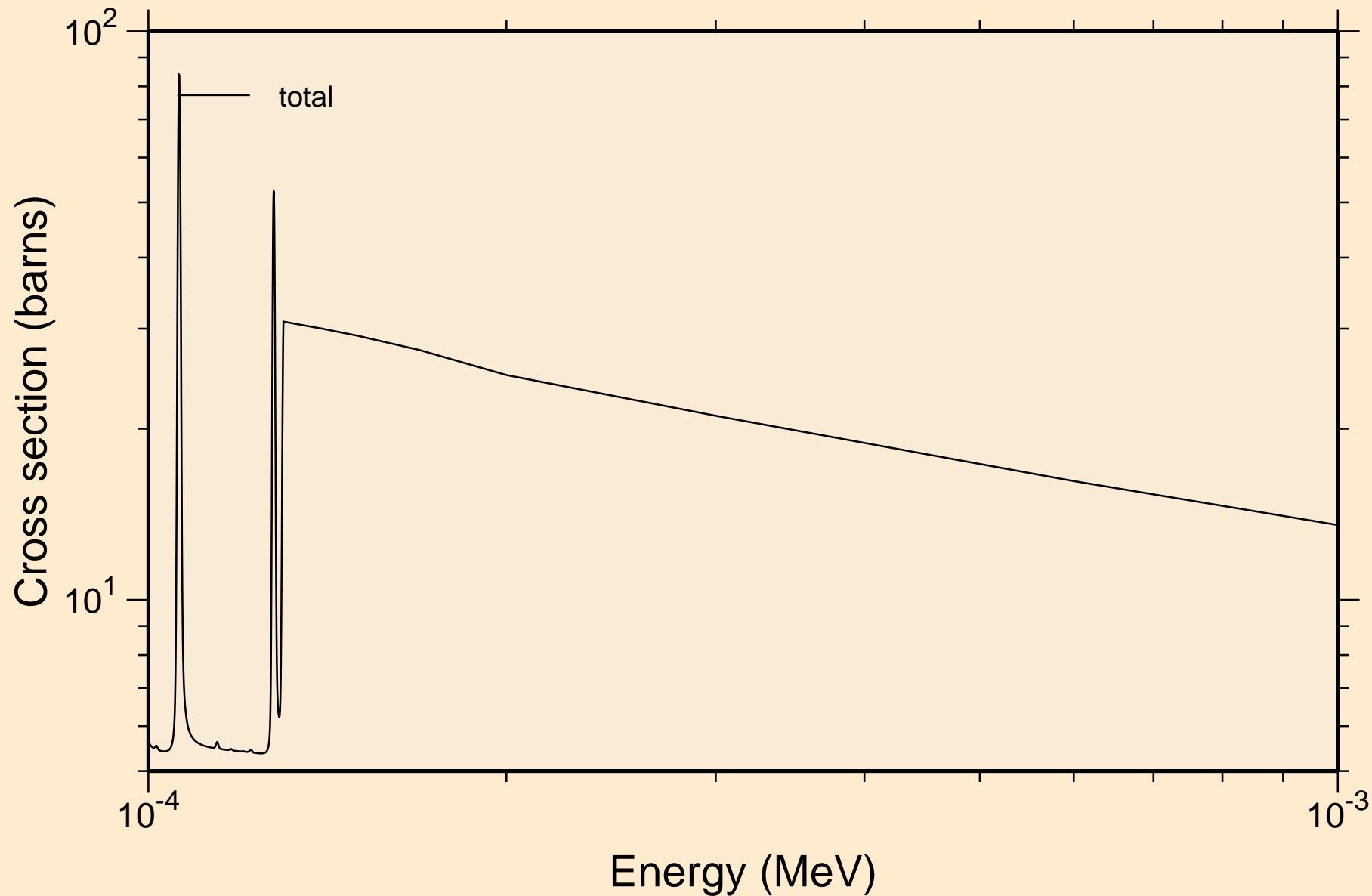
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



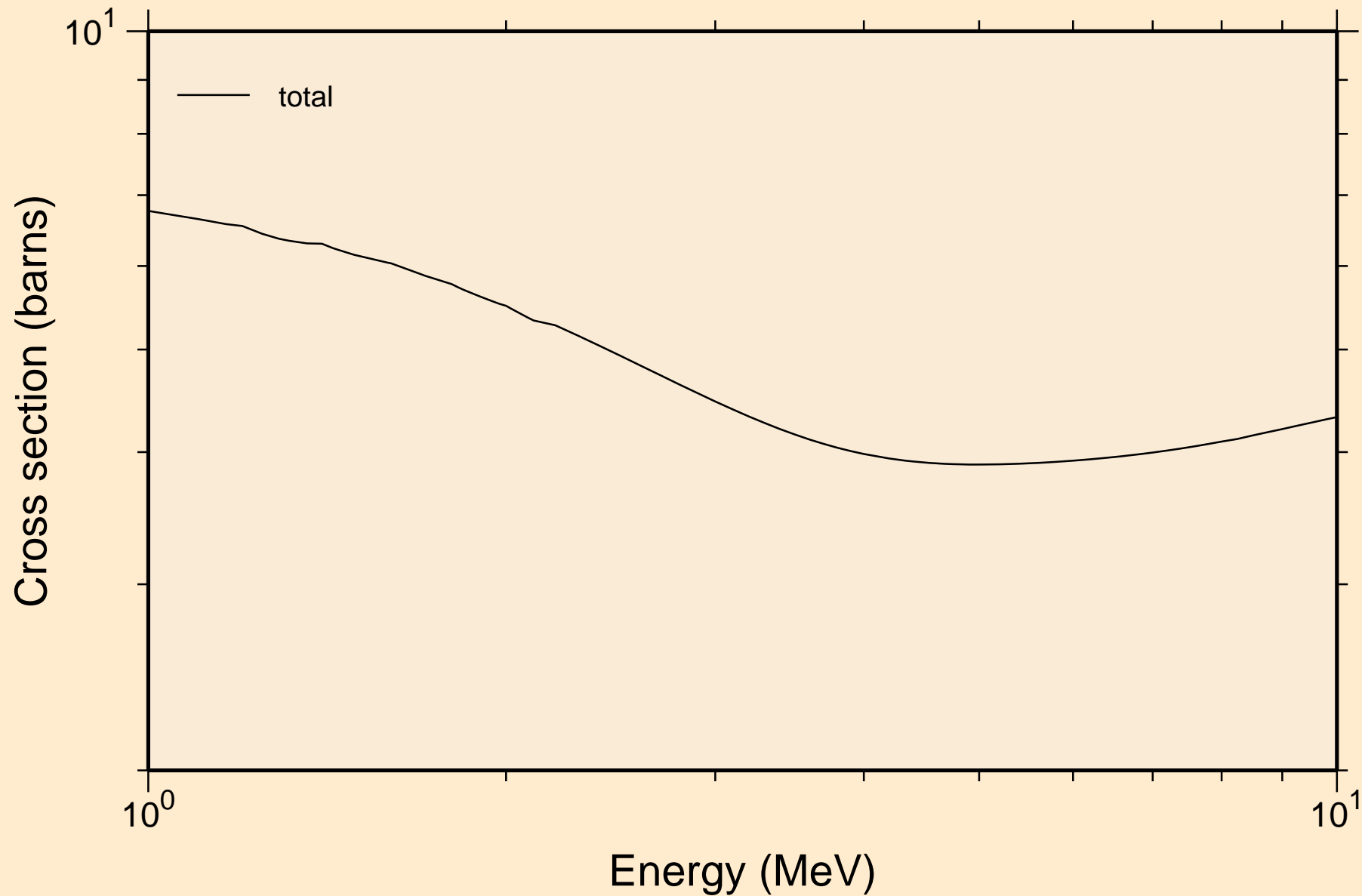
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



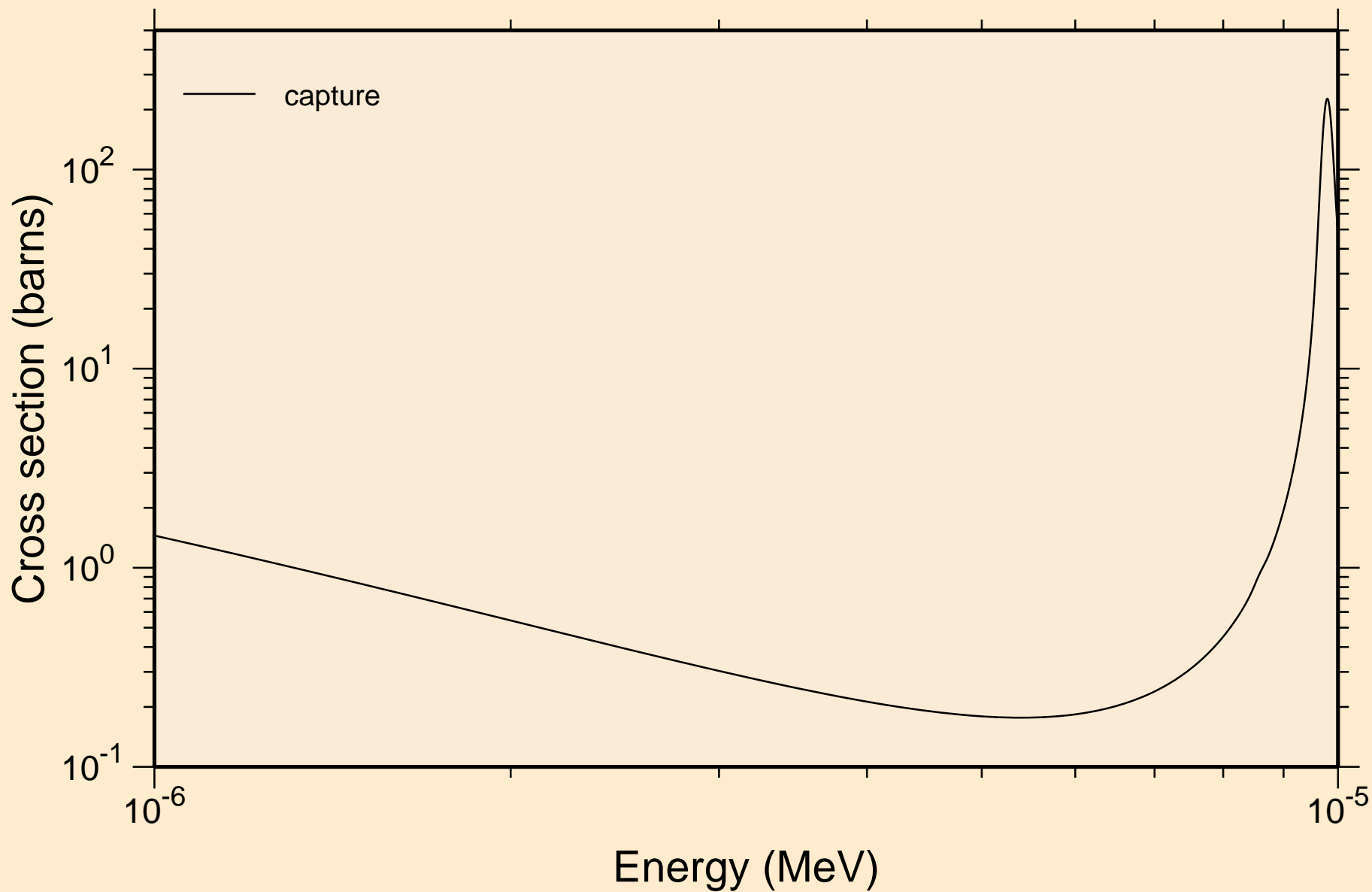
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



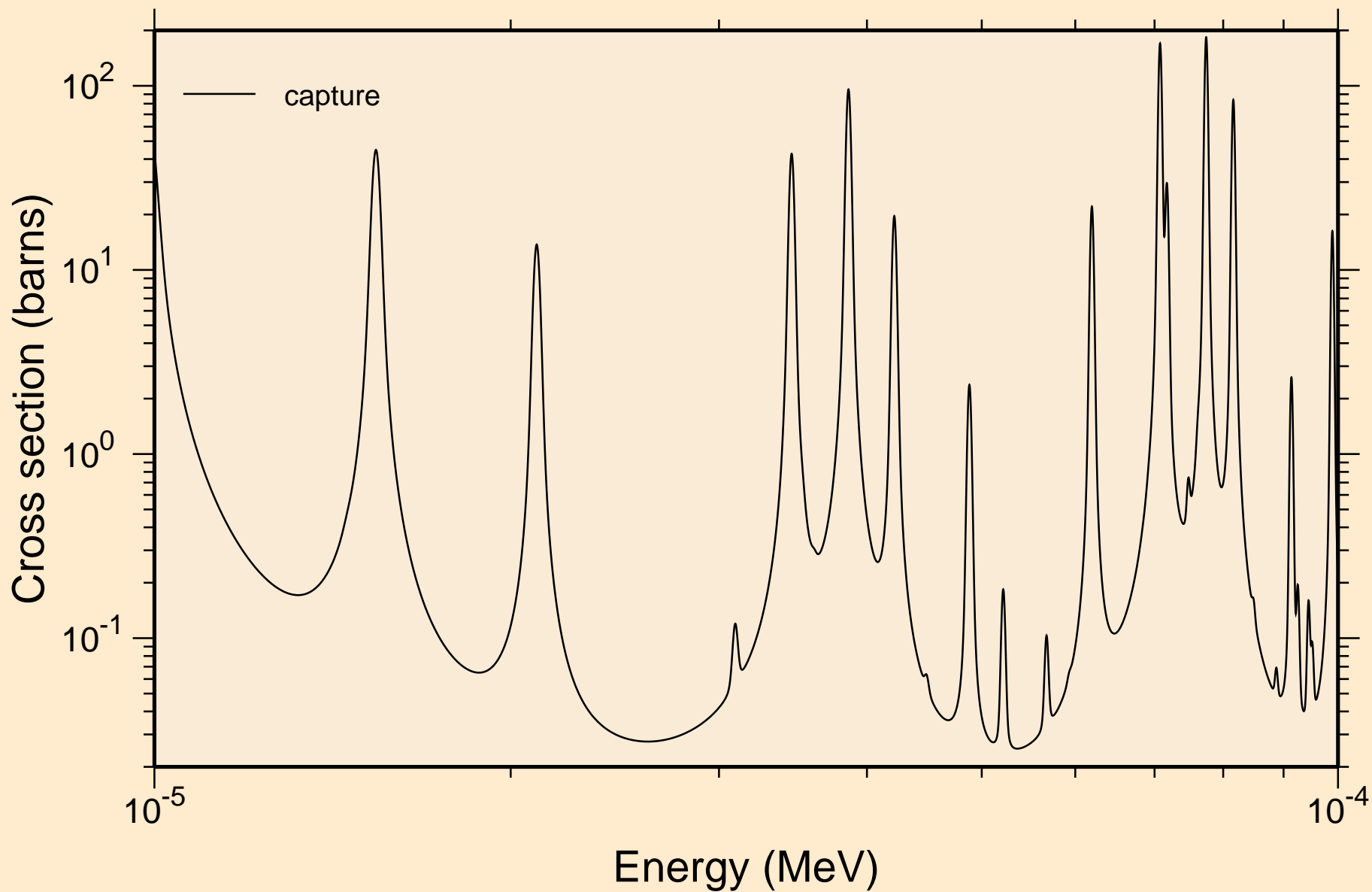
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



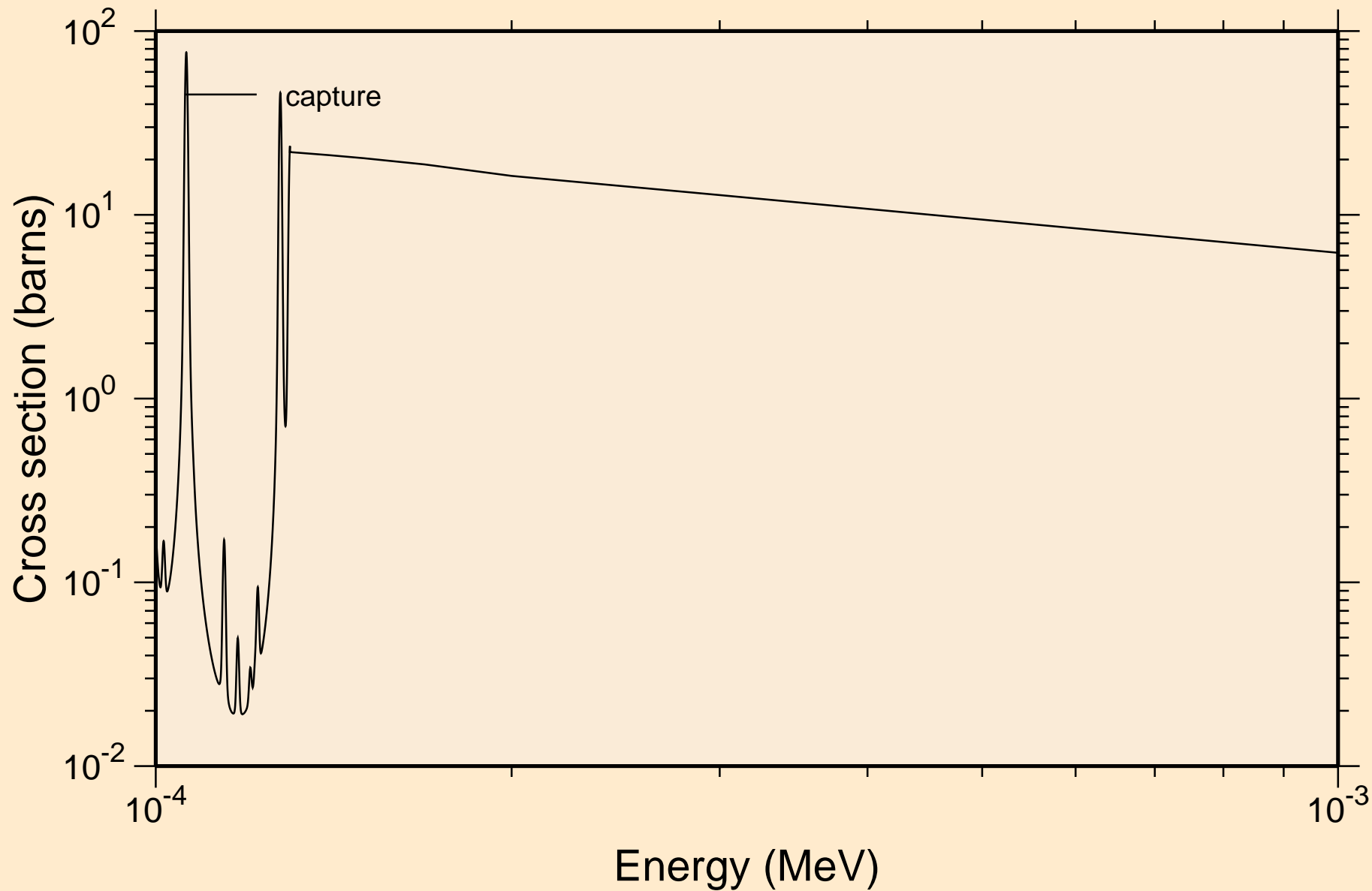
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

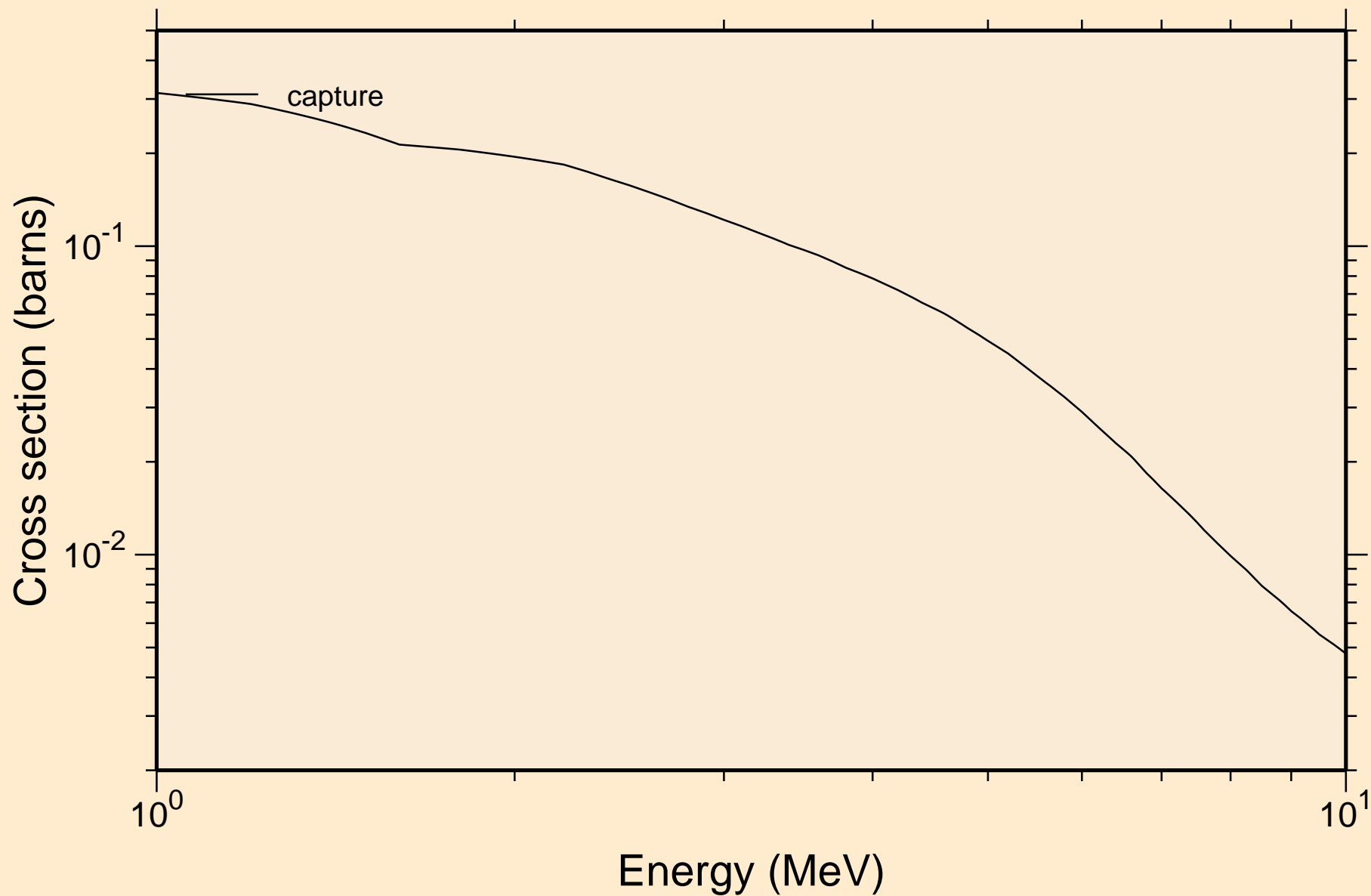


SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

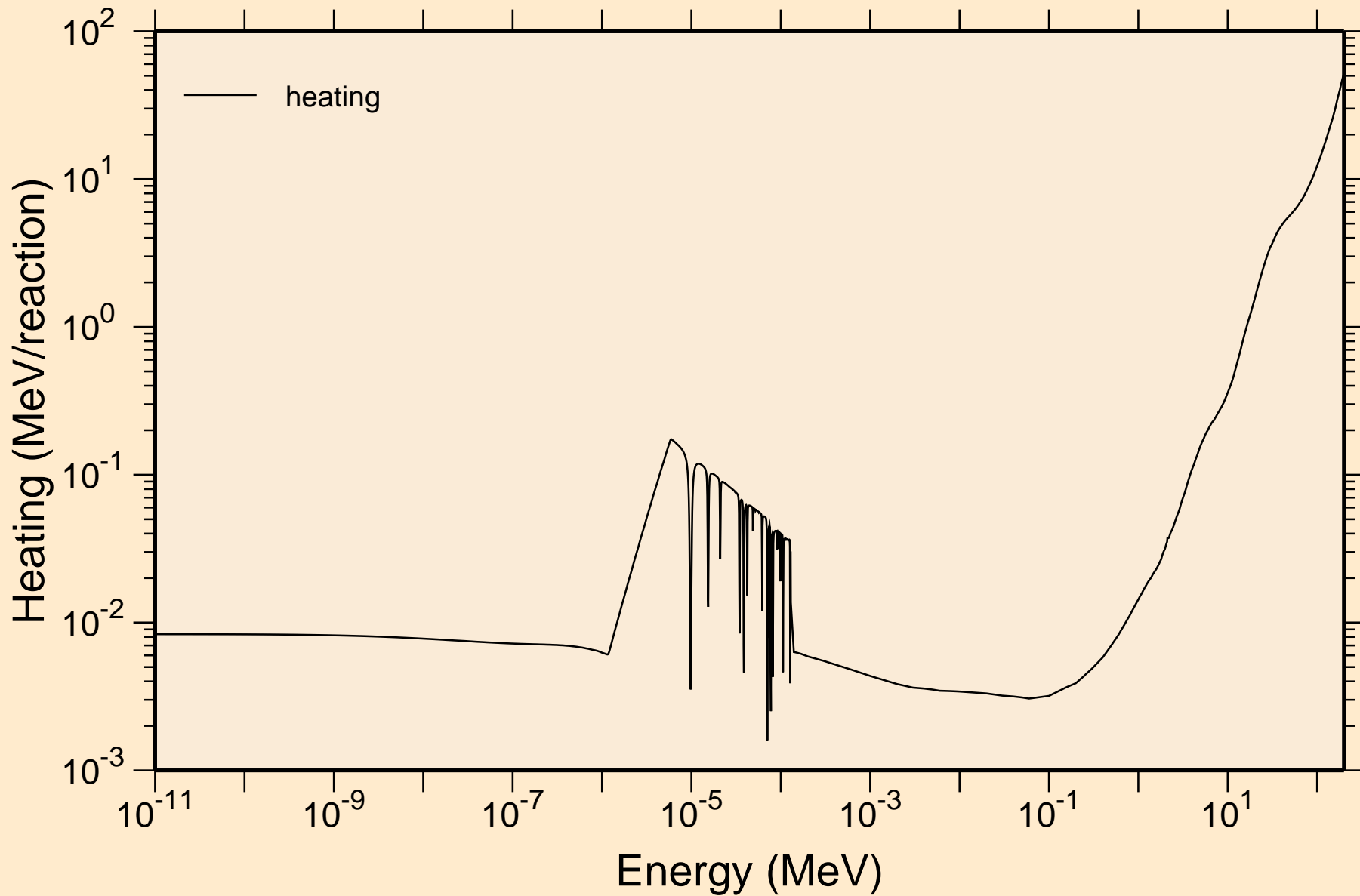




SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

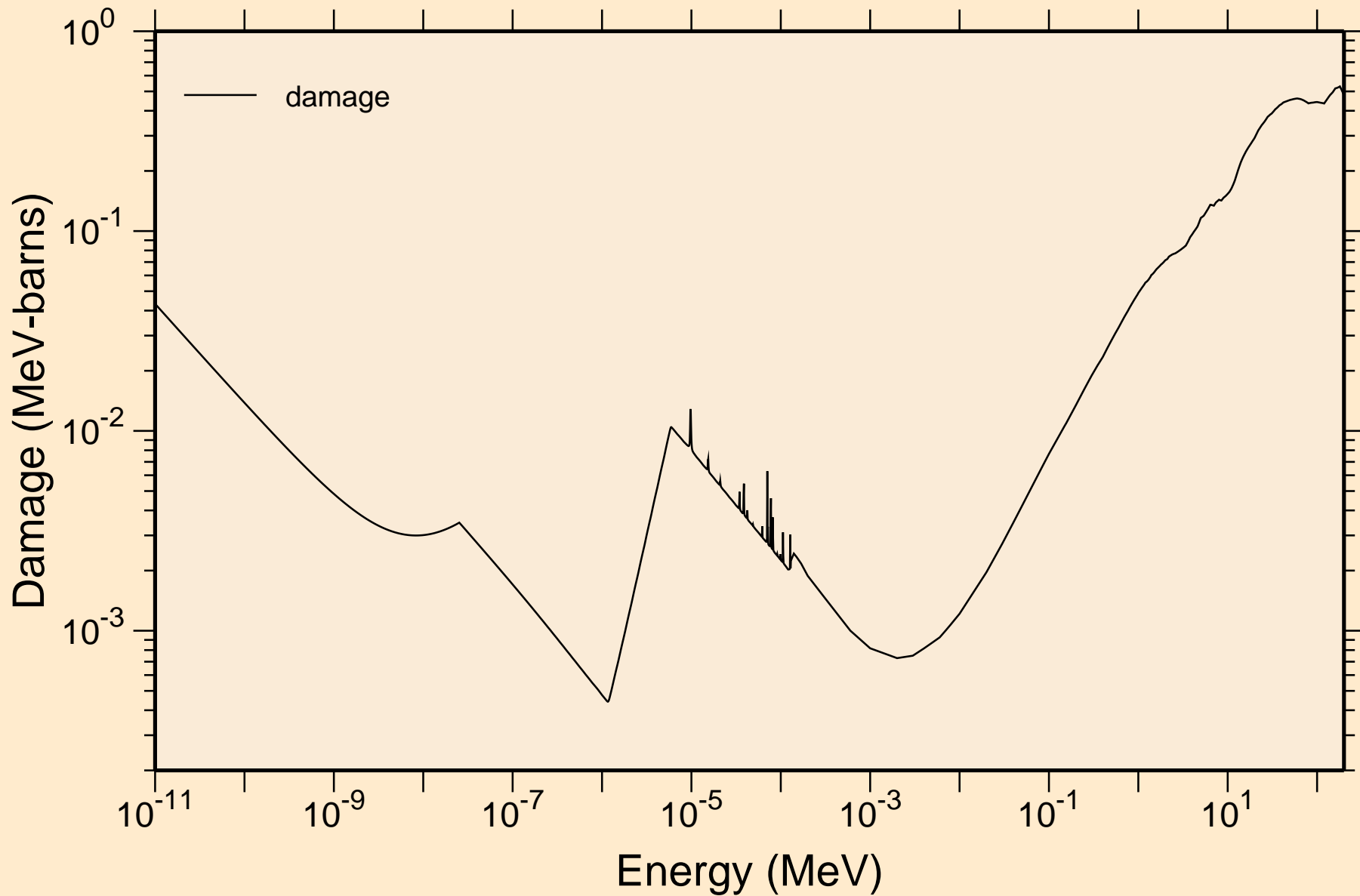


SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

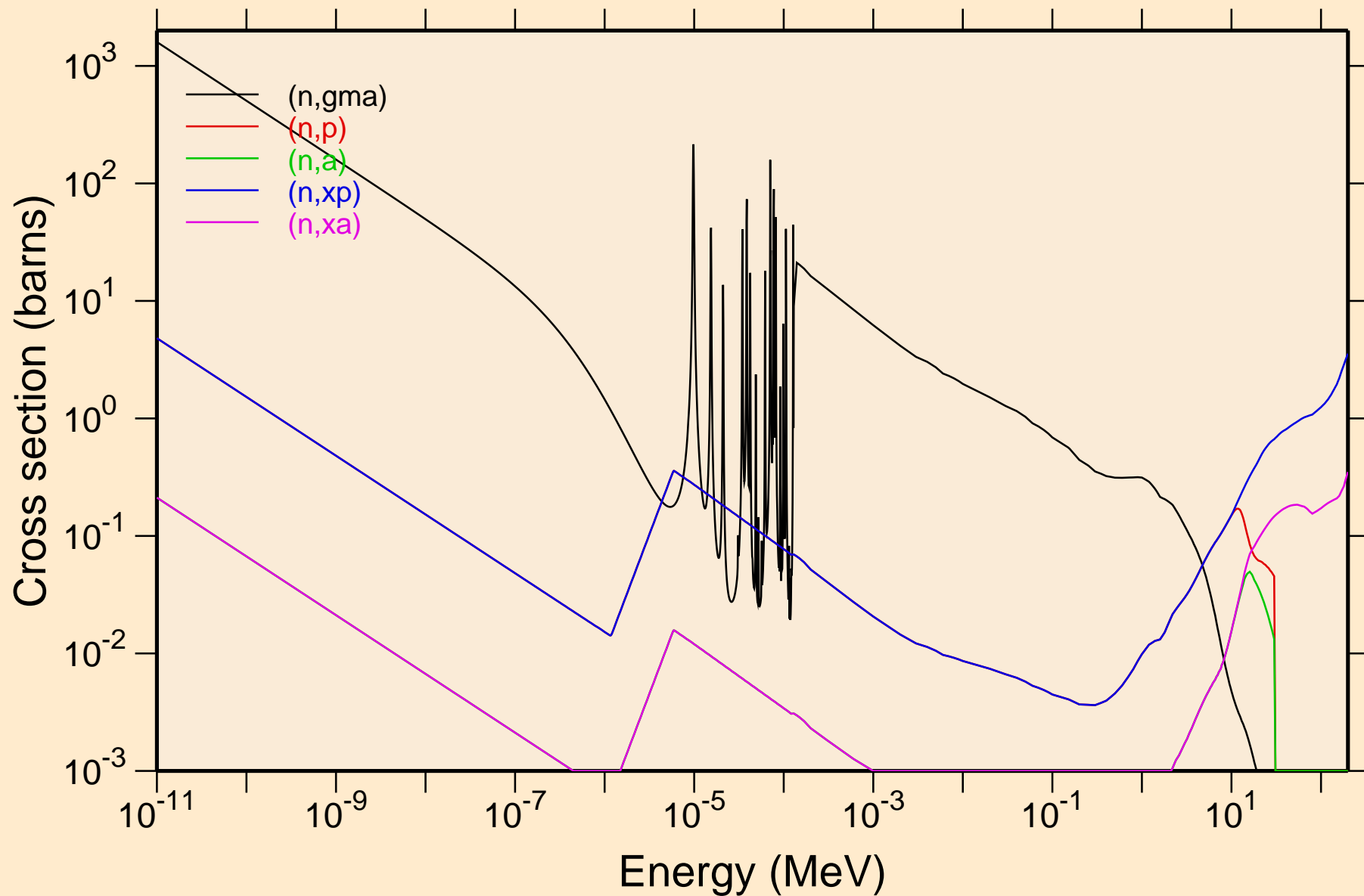


# SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

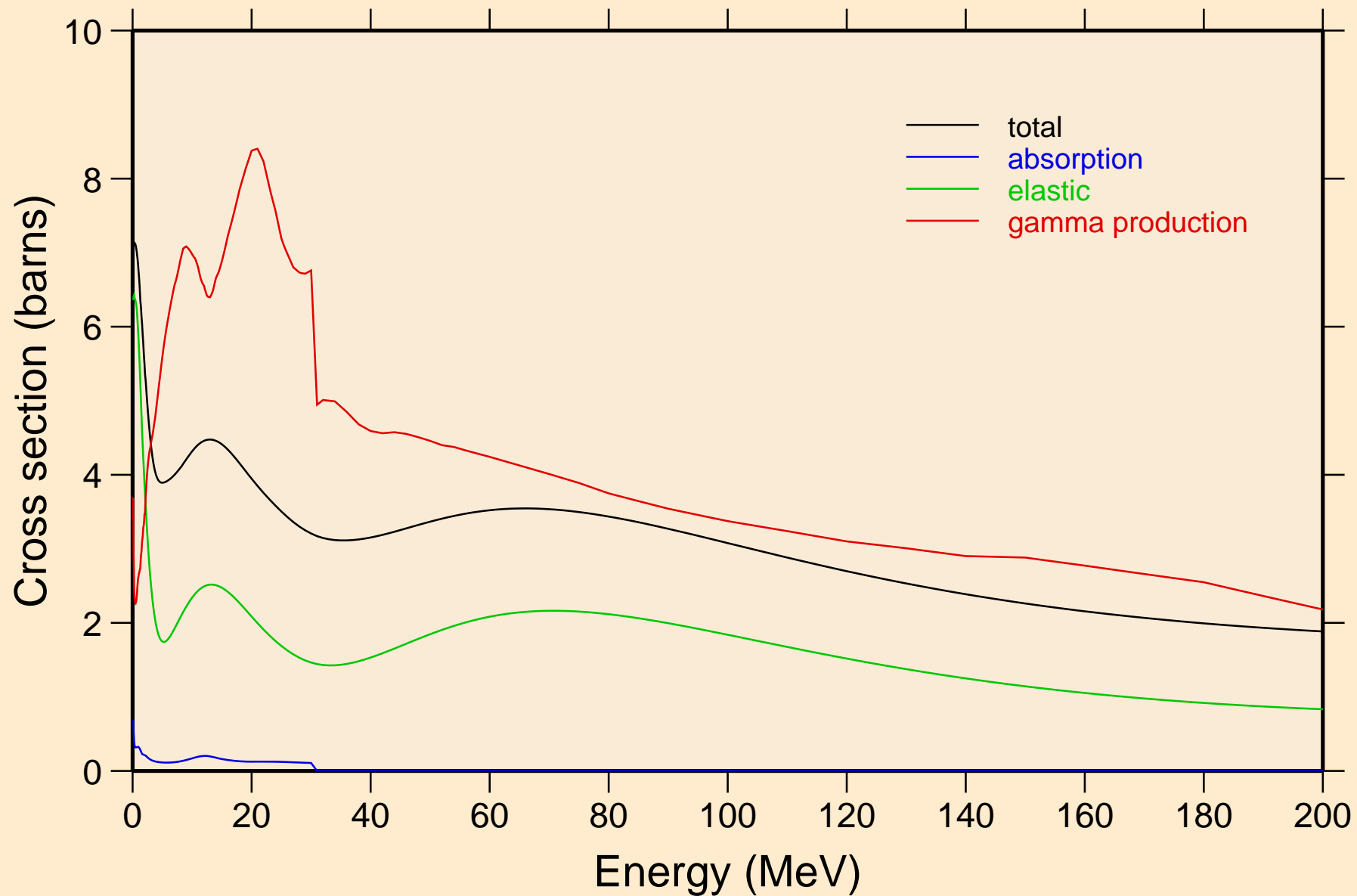
## Damage



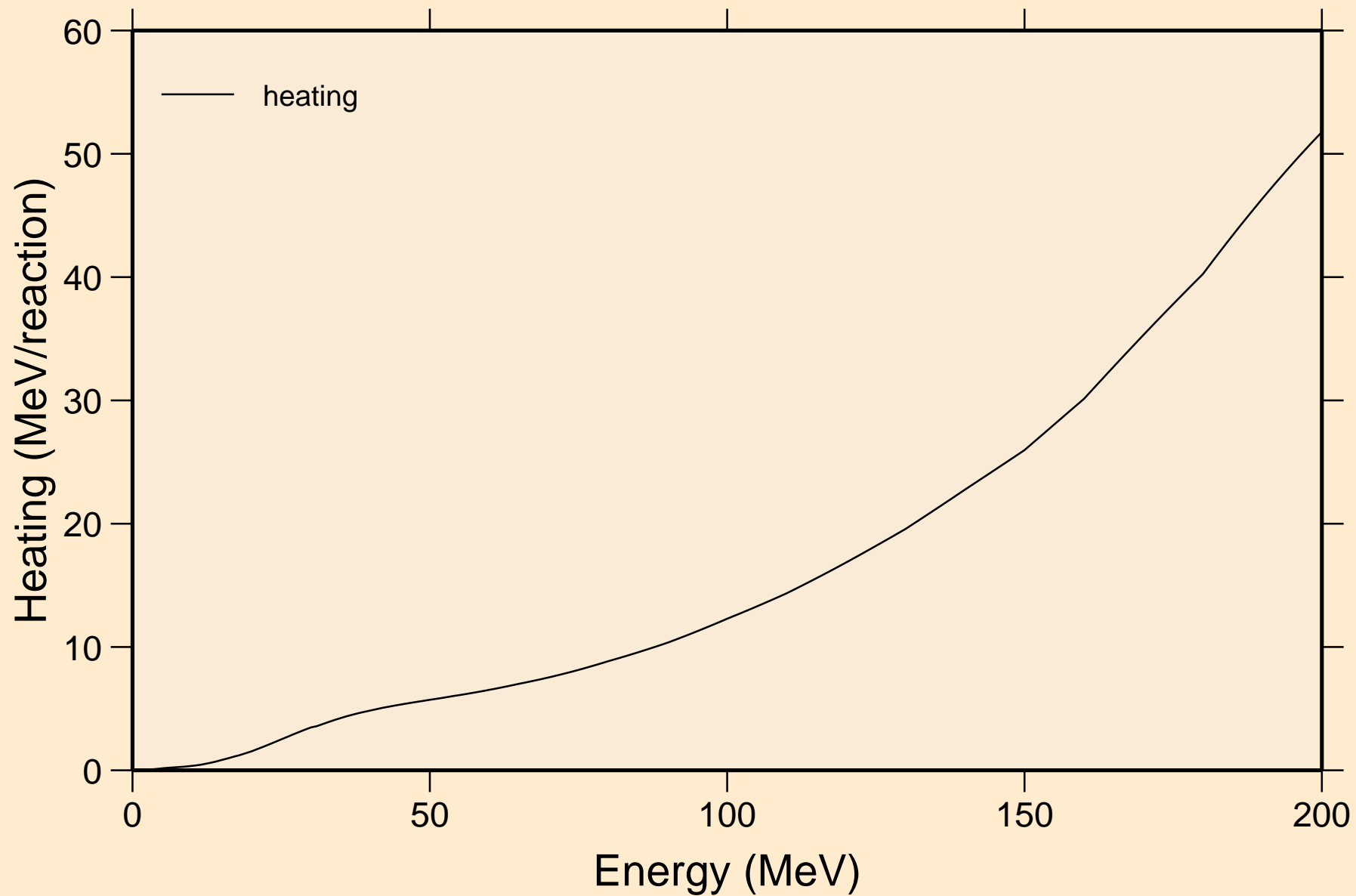
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



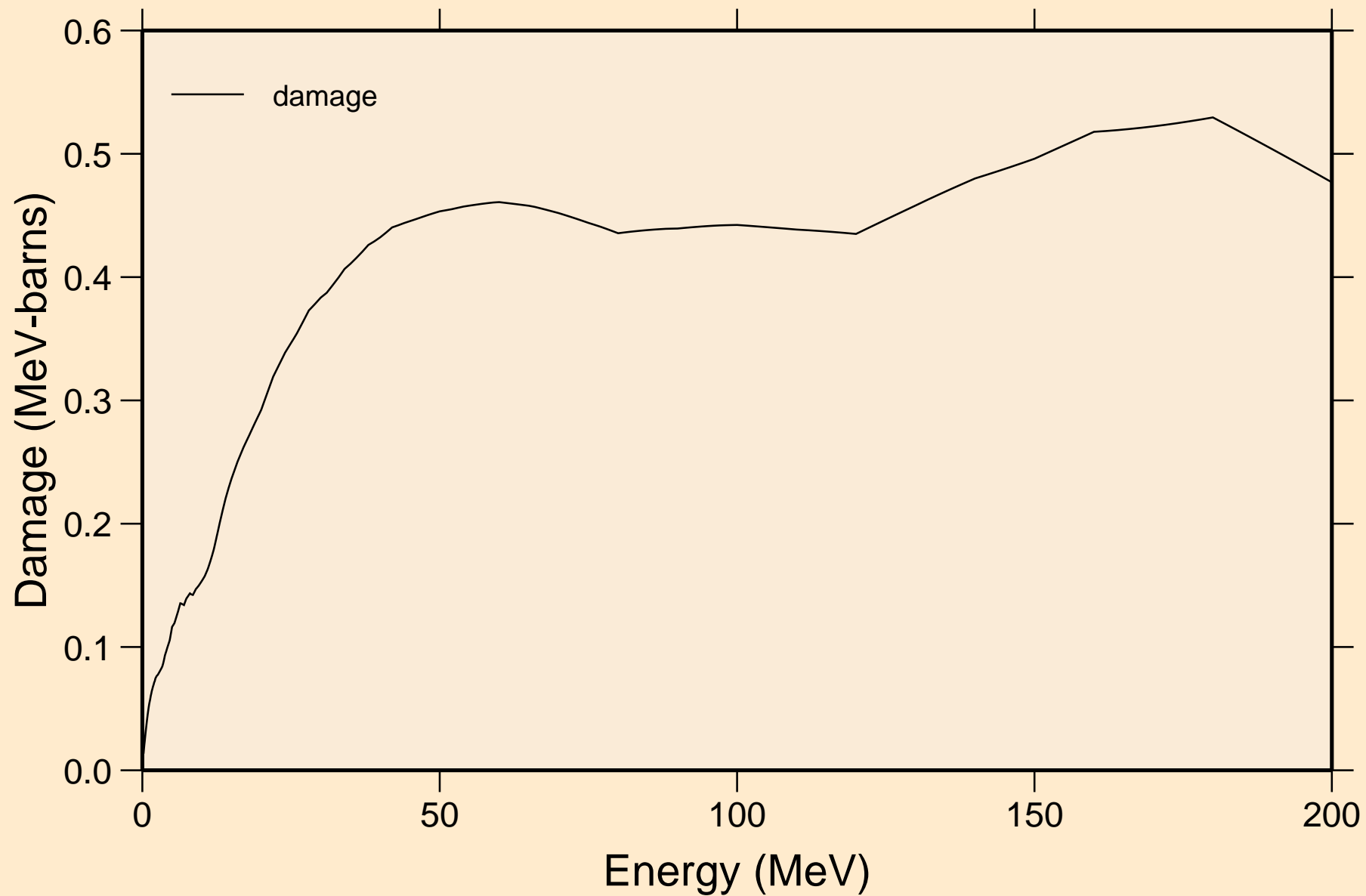
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

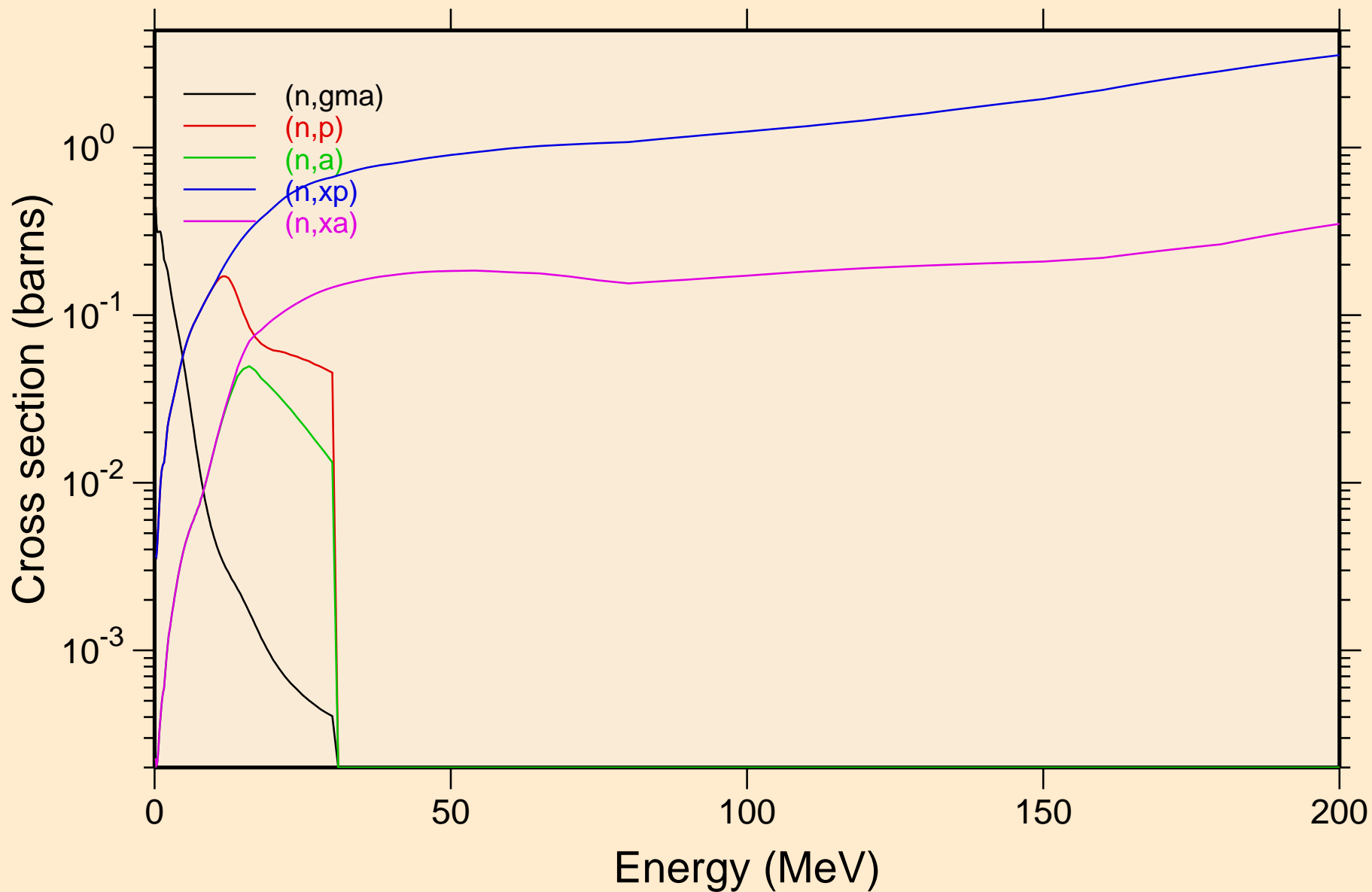


# SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage



# SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

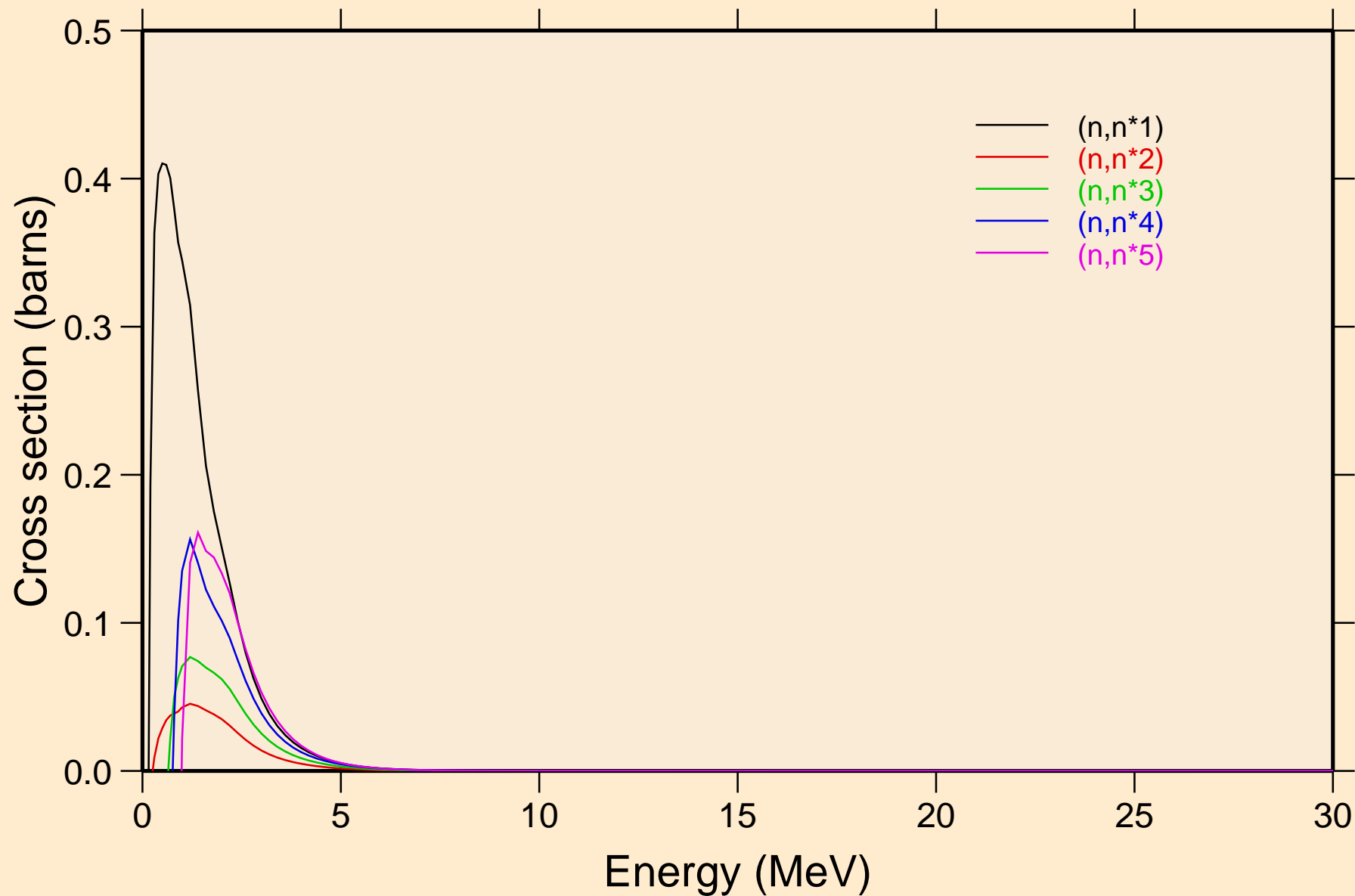
## Non-threshold reactions





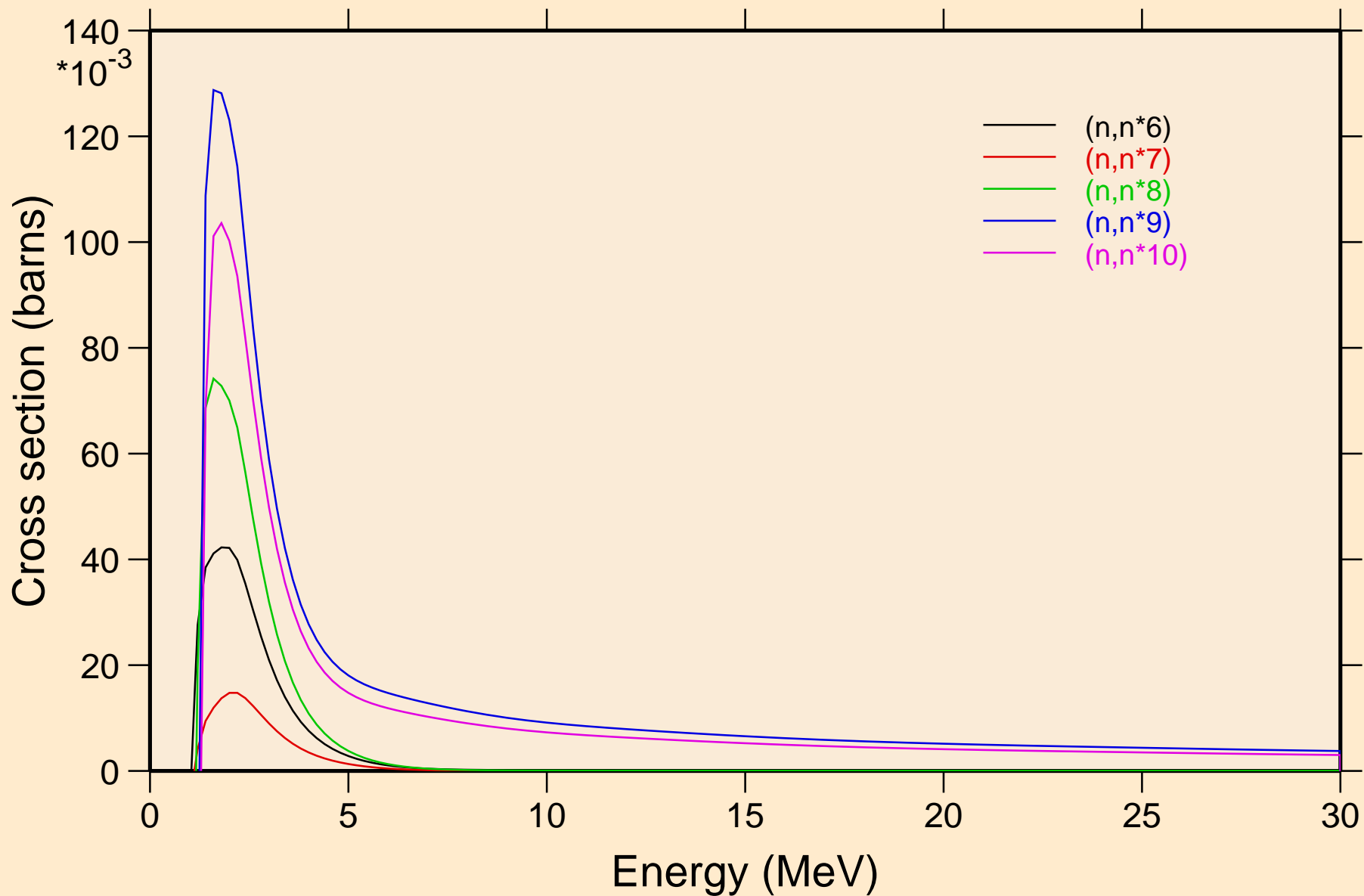
# SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Inelastic levels



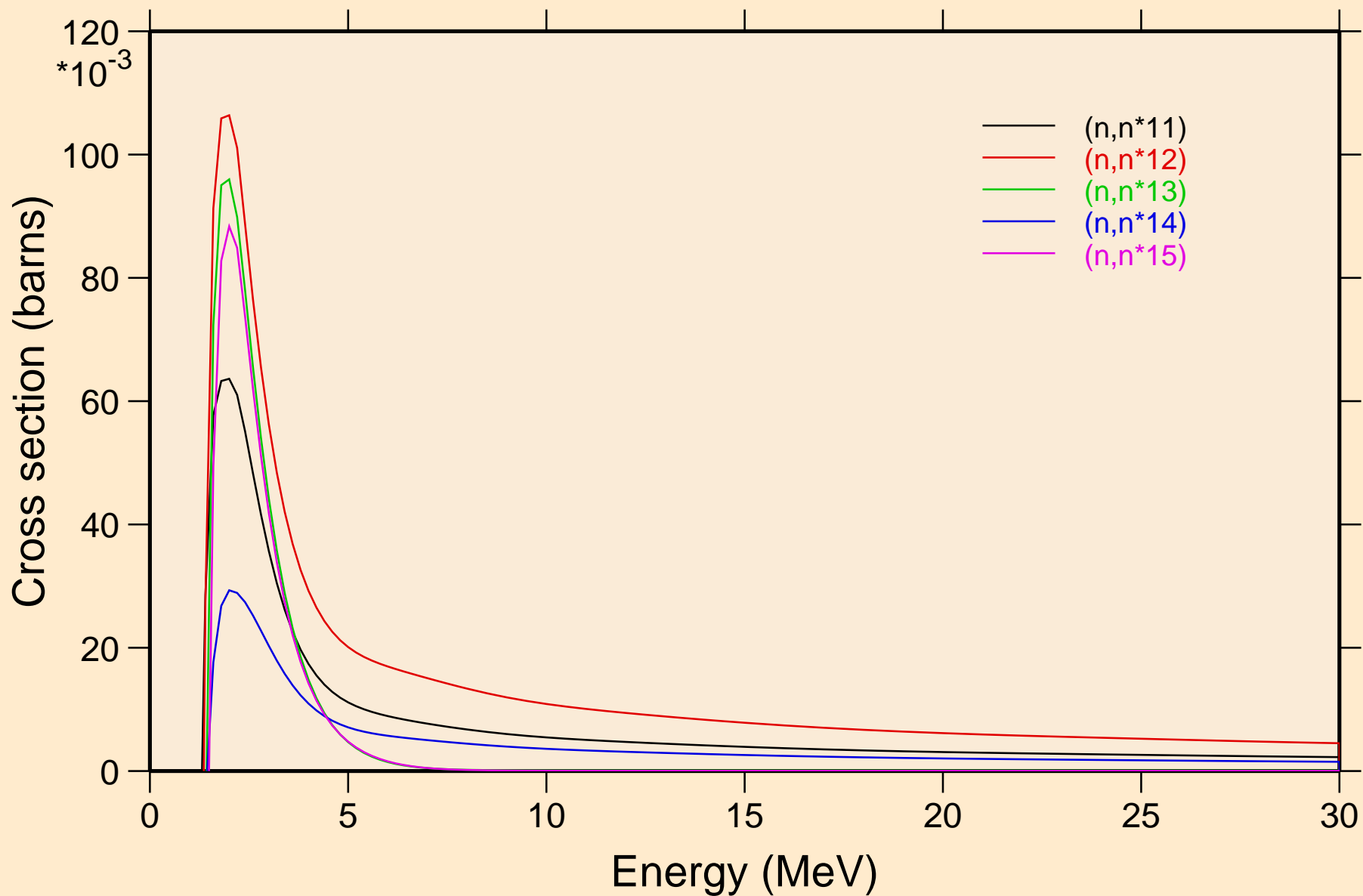
# SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Inelastic levels



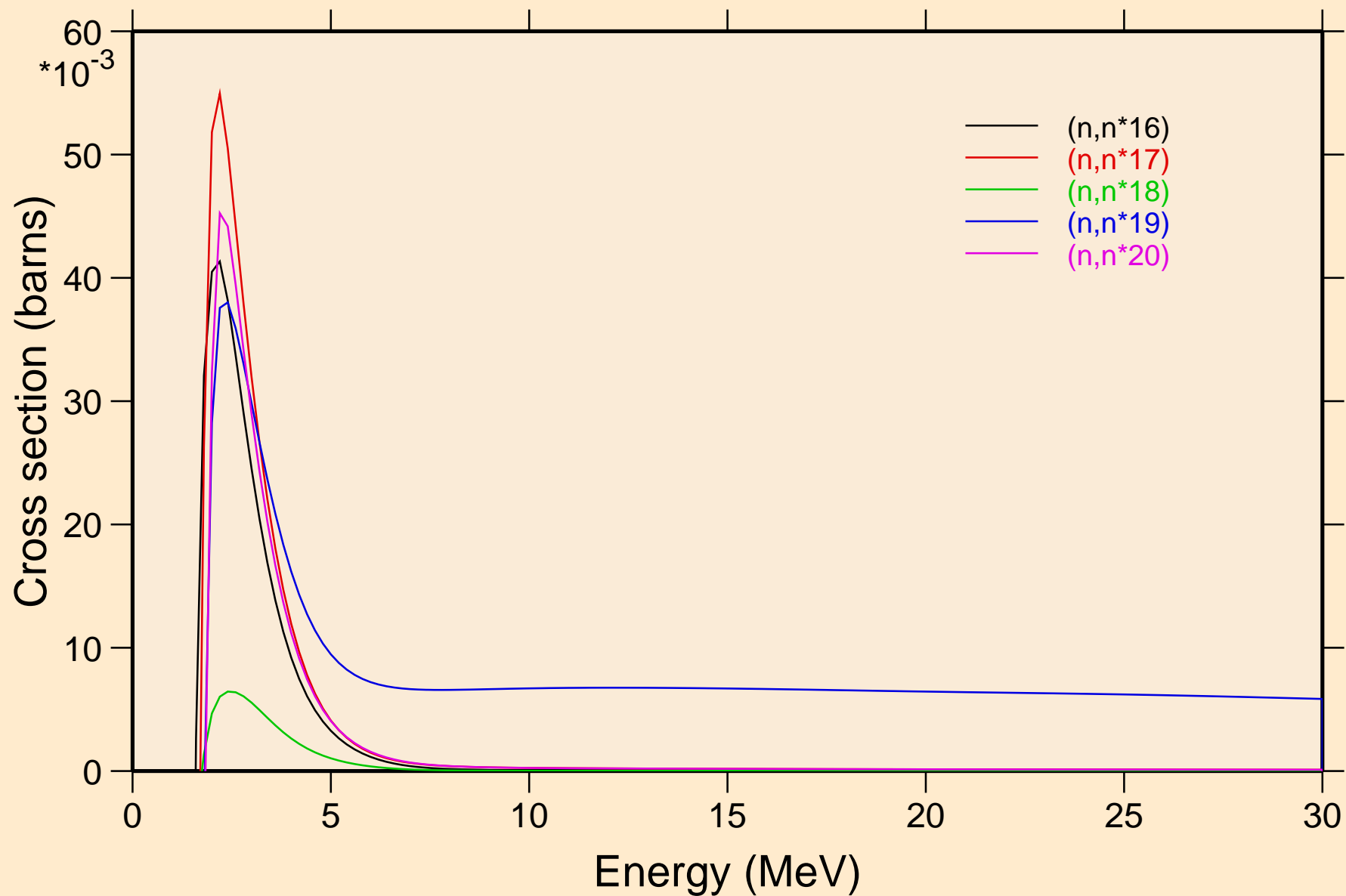
# SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Inelastic levels

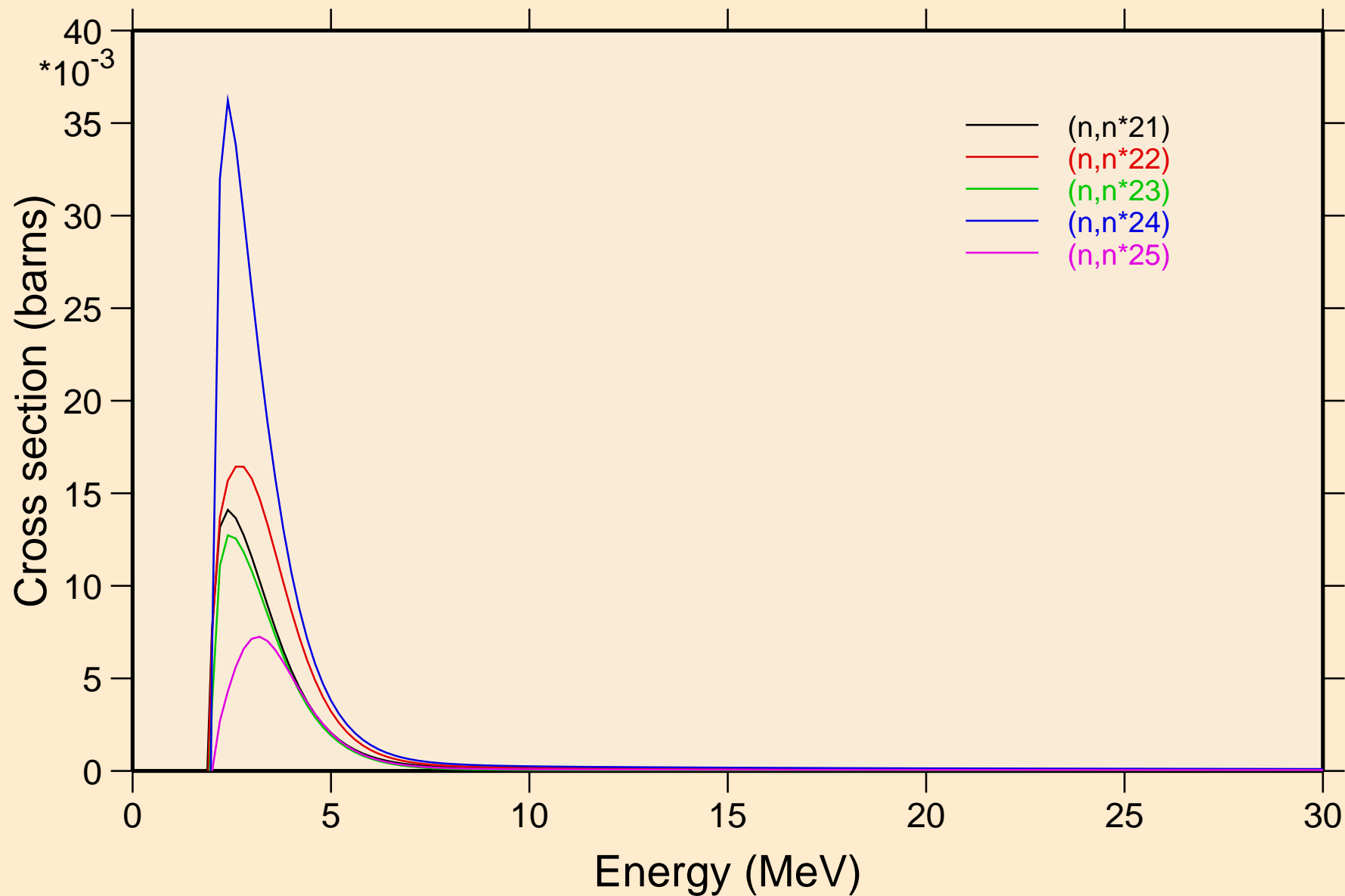


# SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Inelastic levels

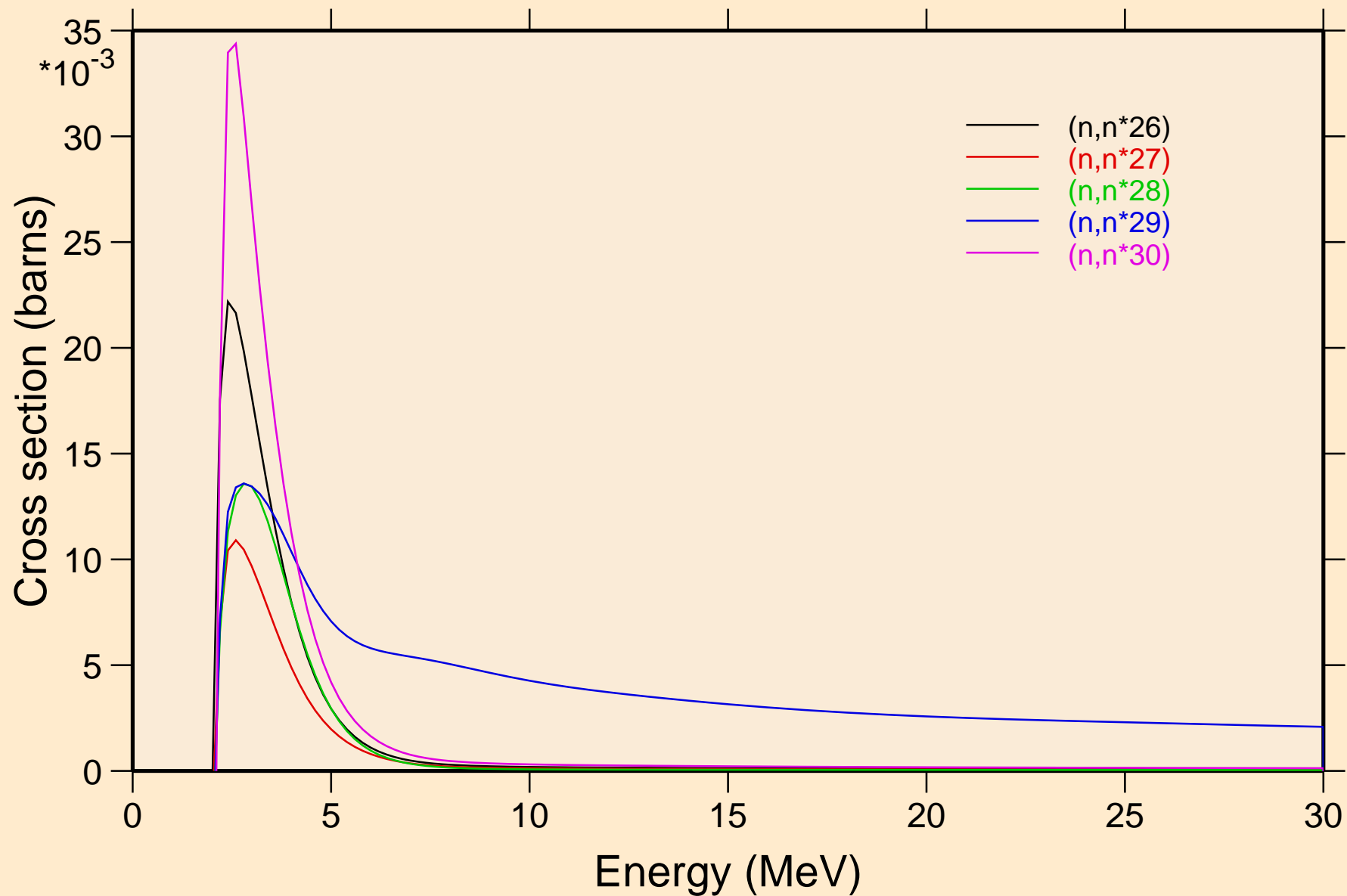


SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



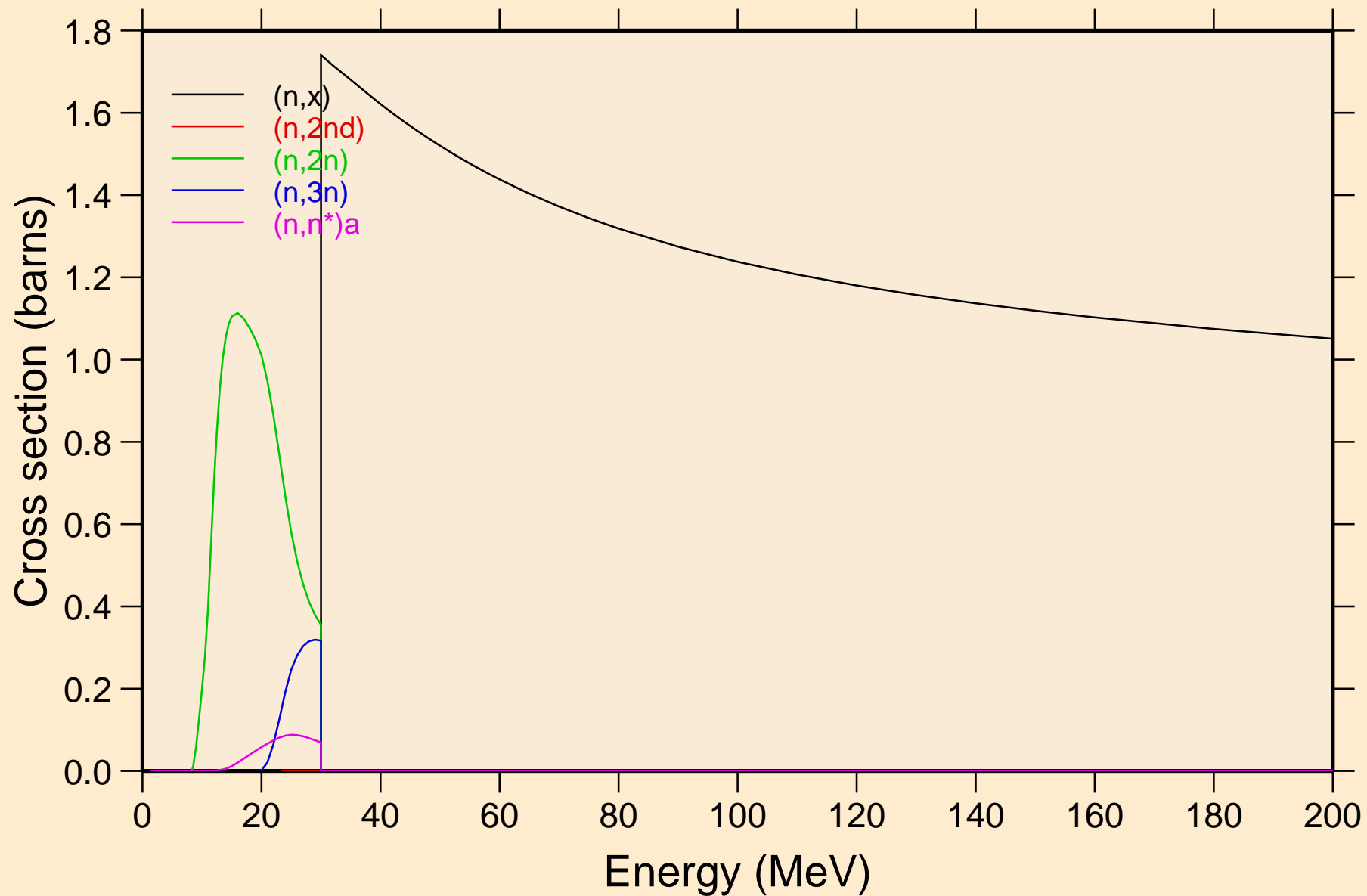
# SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Inelastic levels



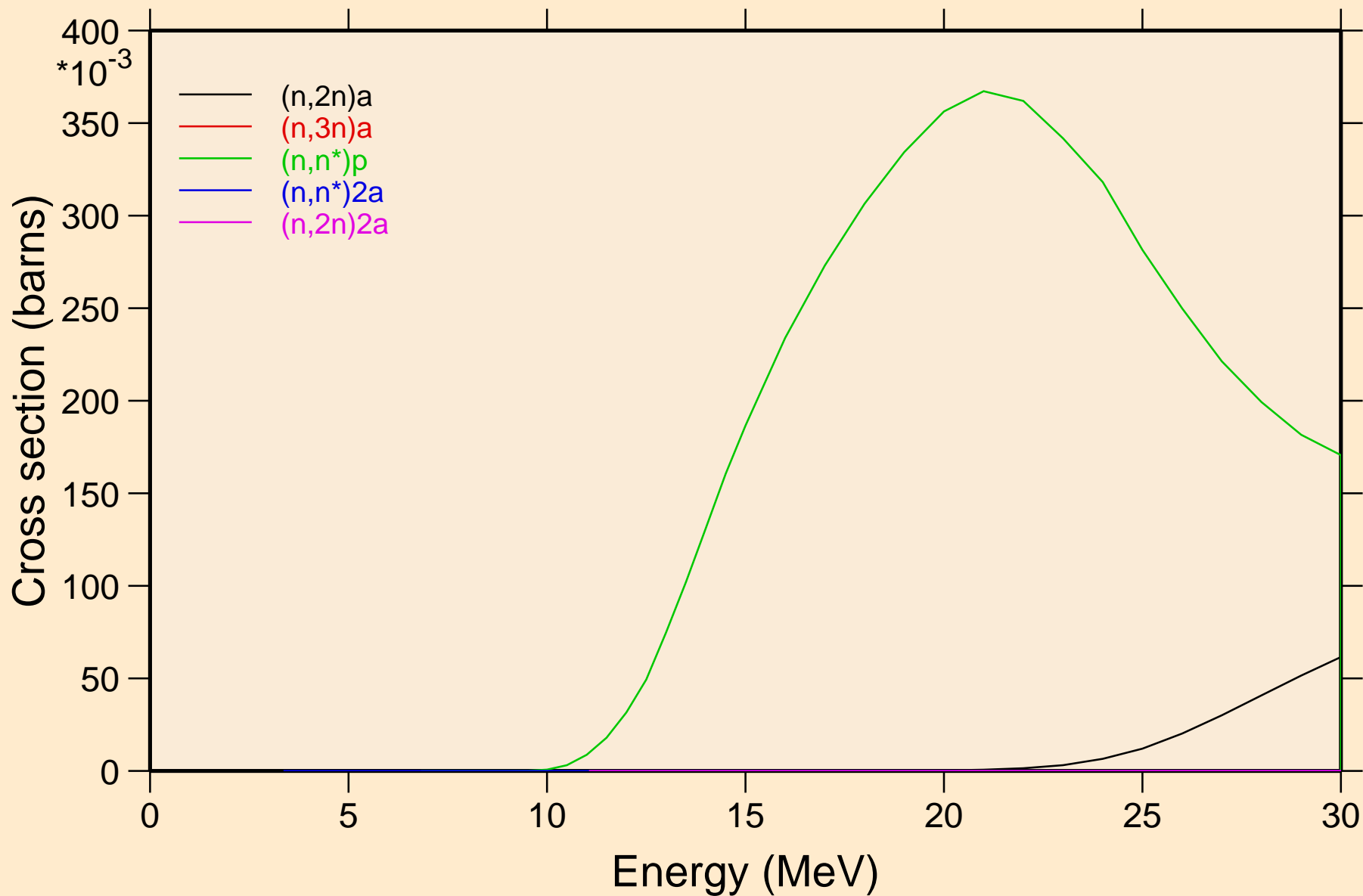
# SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions



# SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

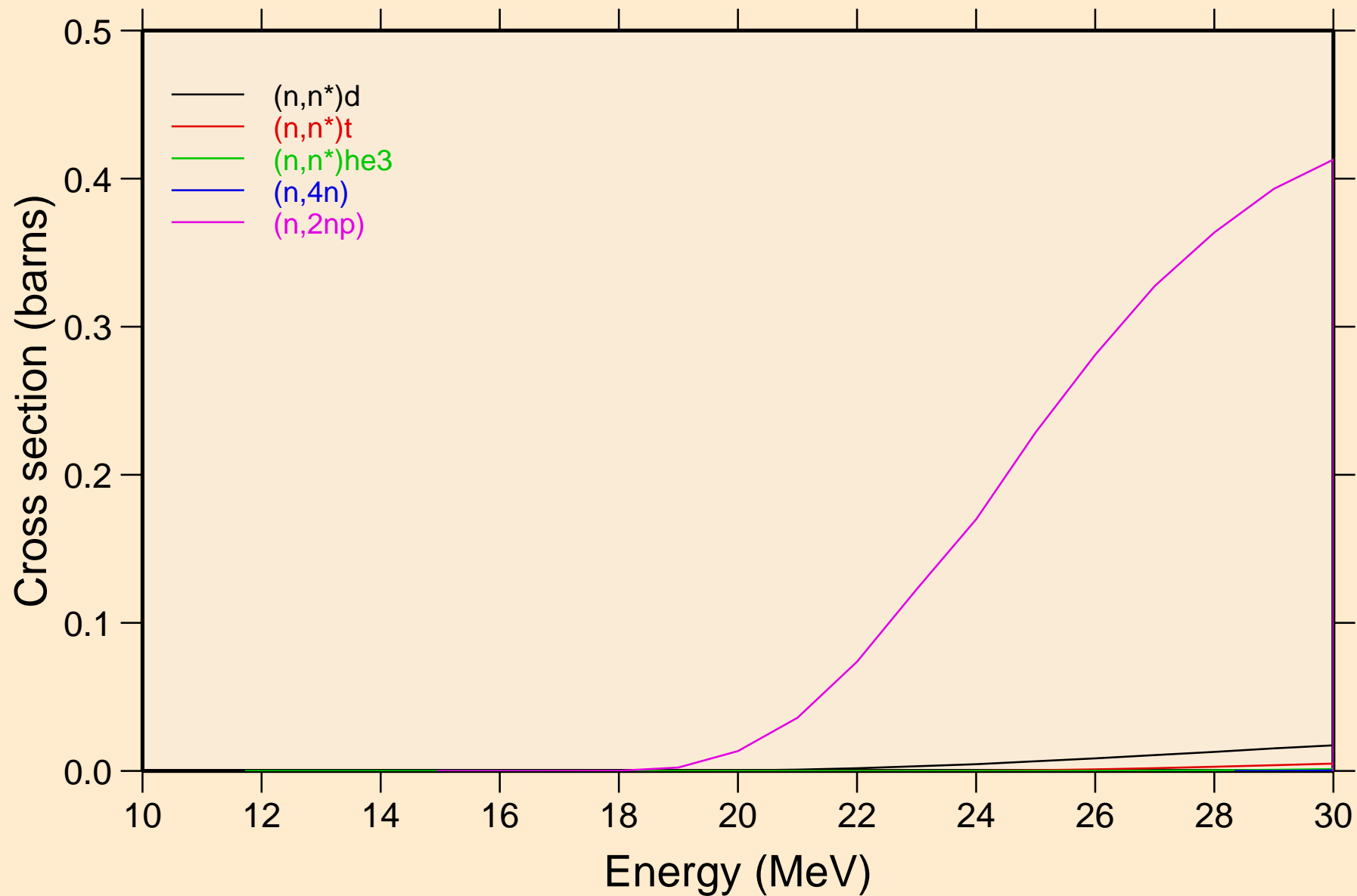
## Threshold reactions





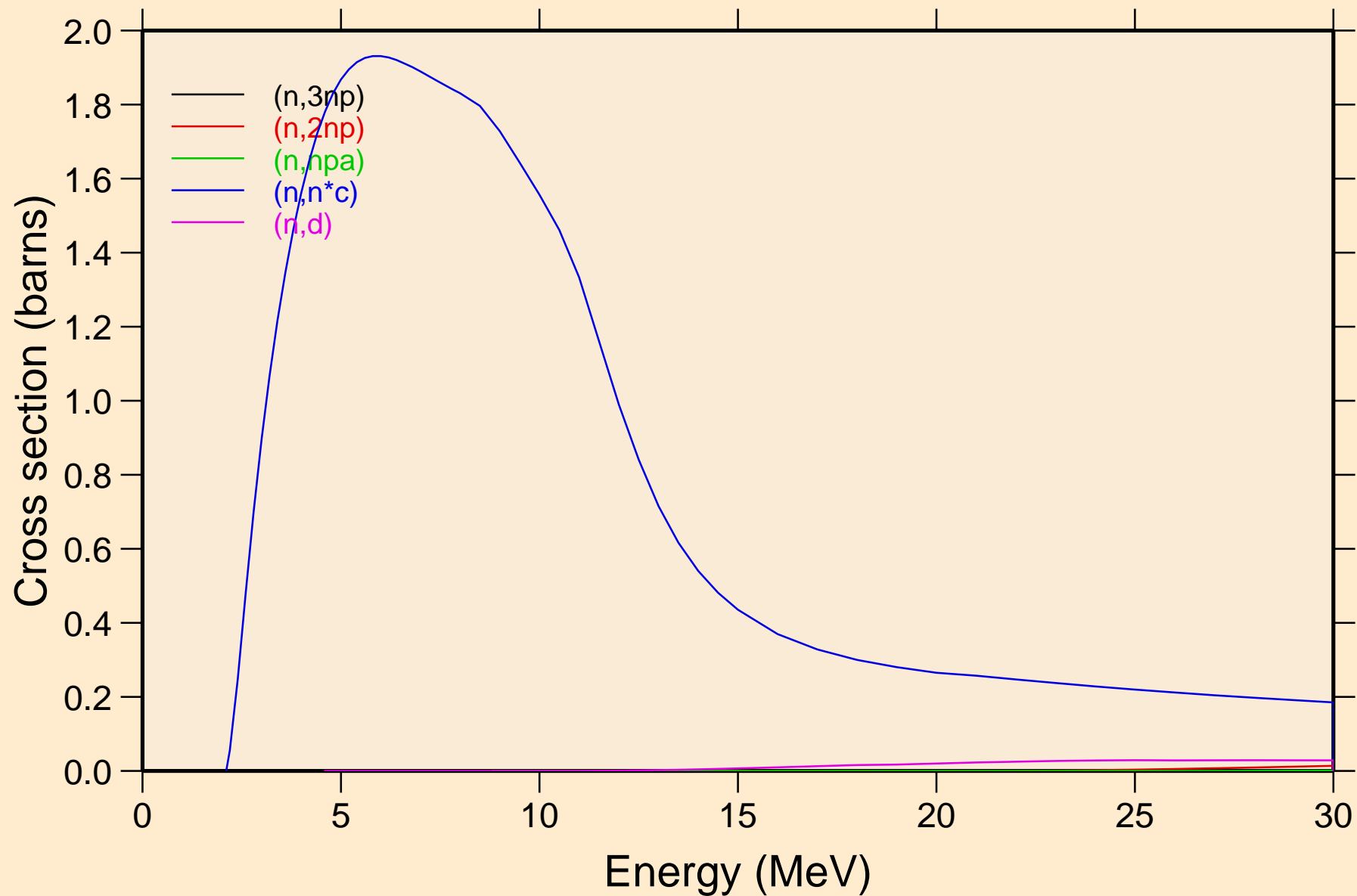
# SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions



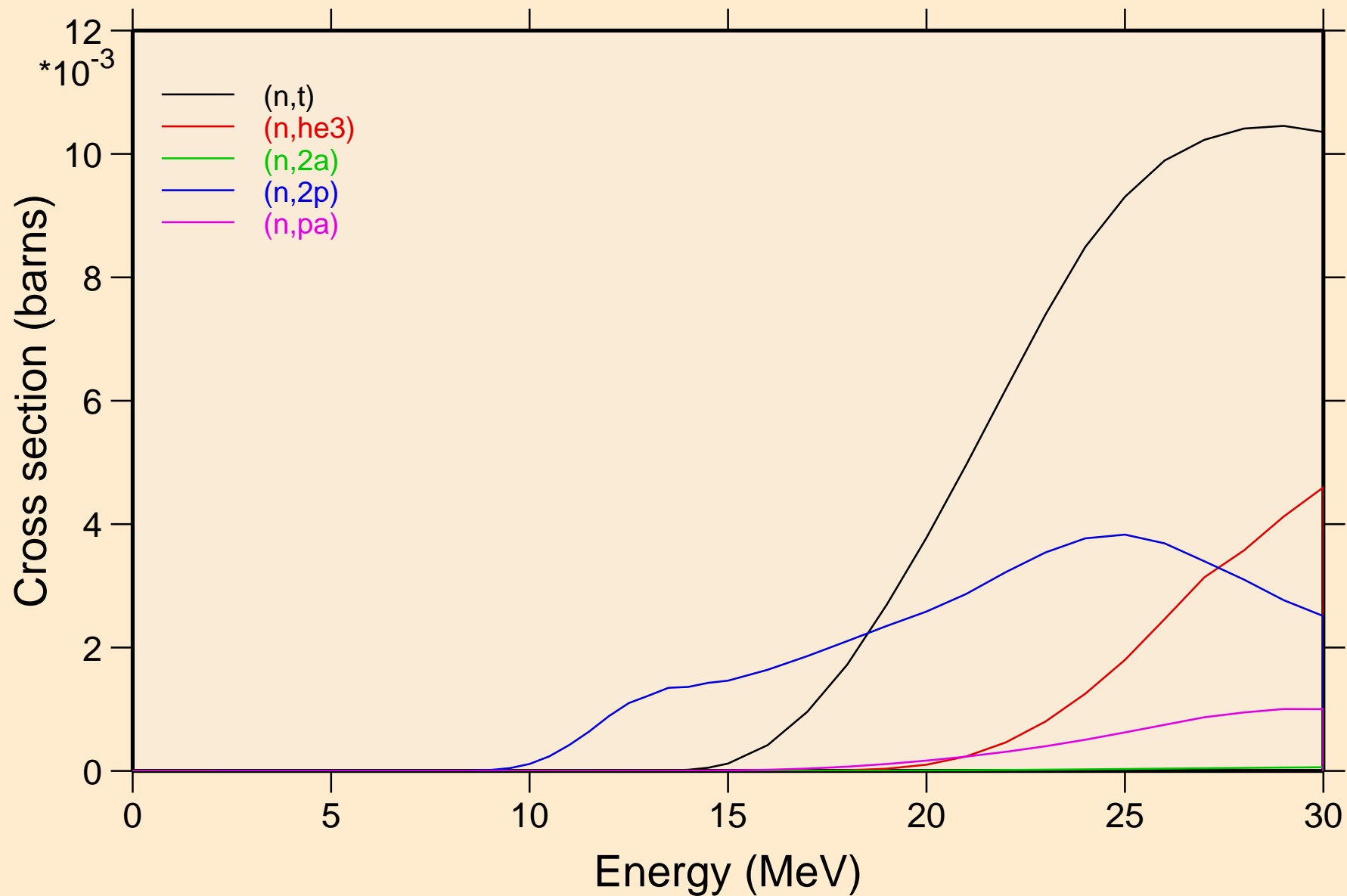
# SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions



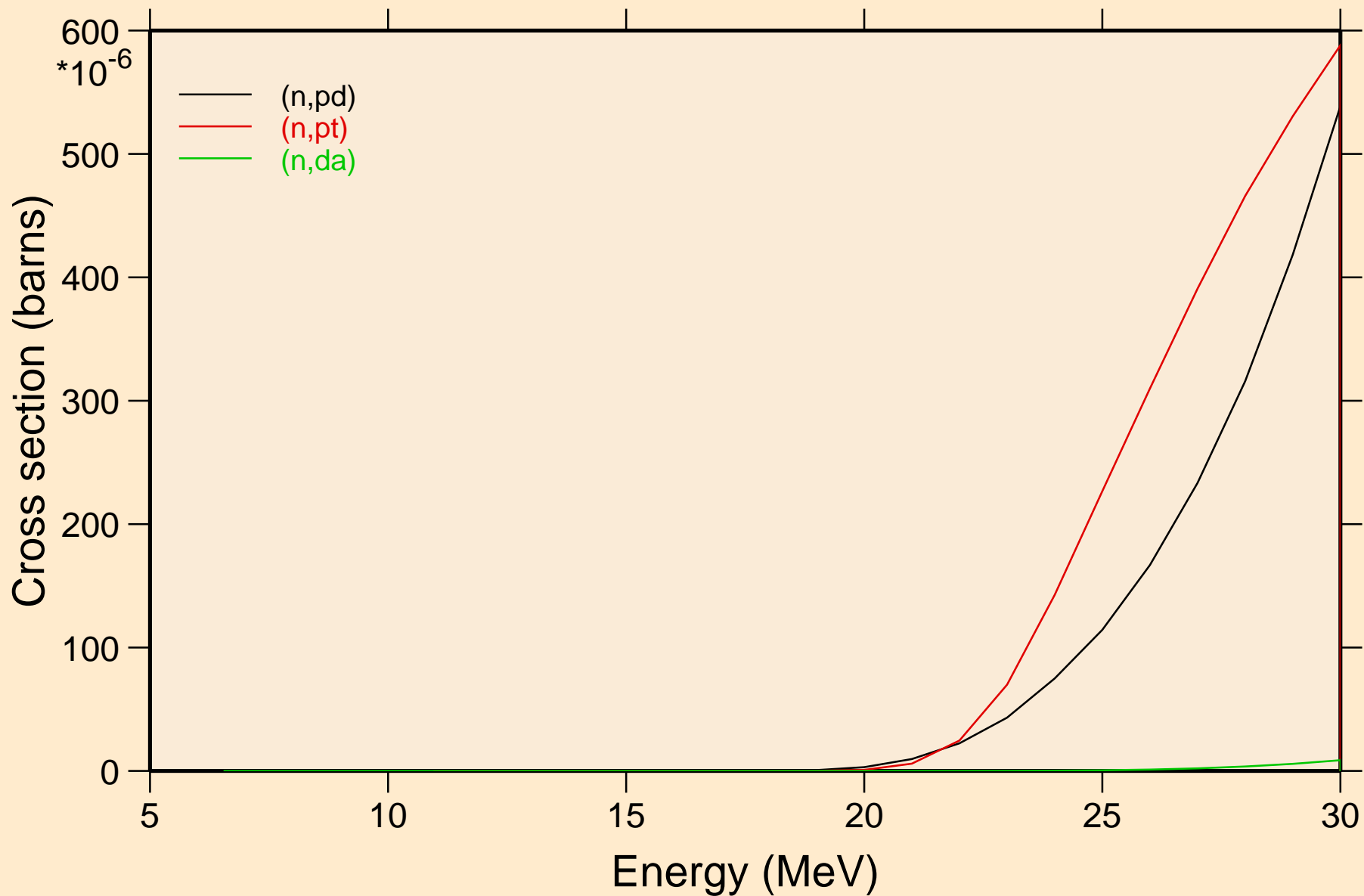
# SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions



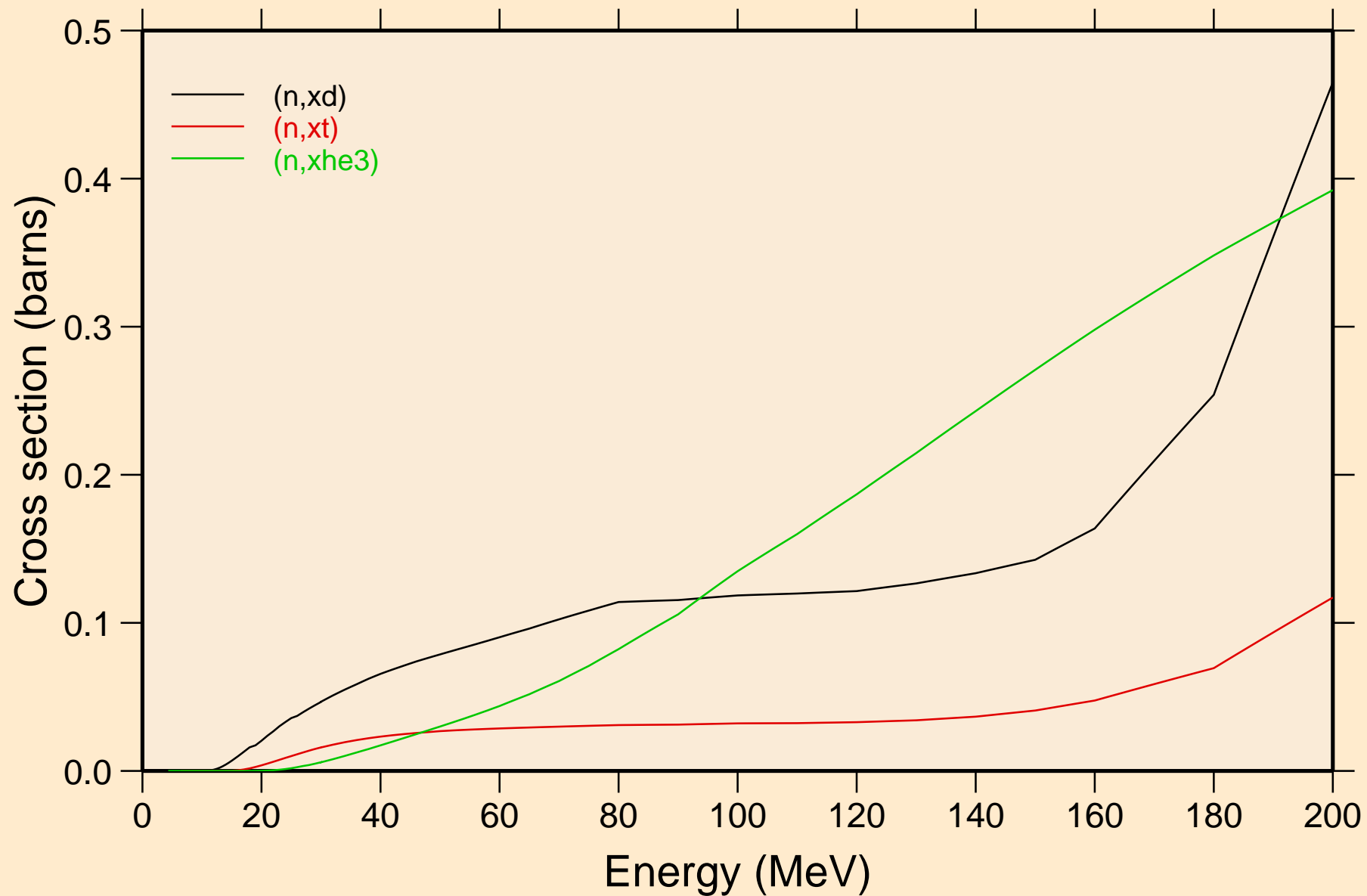
# SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions

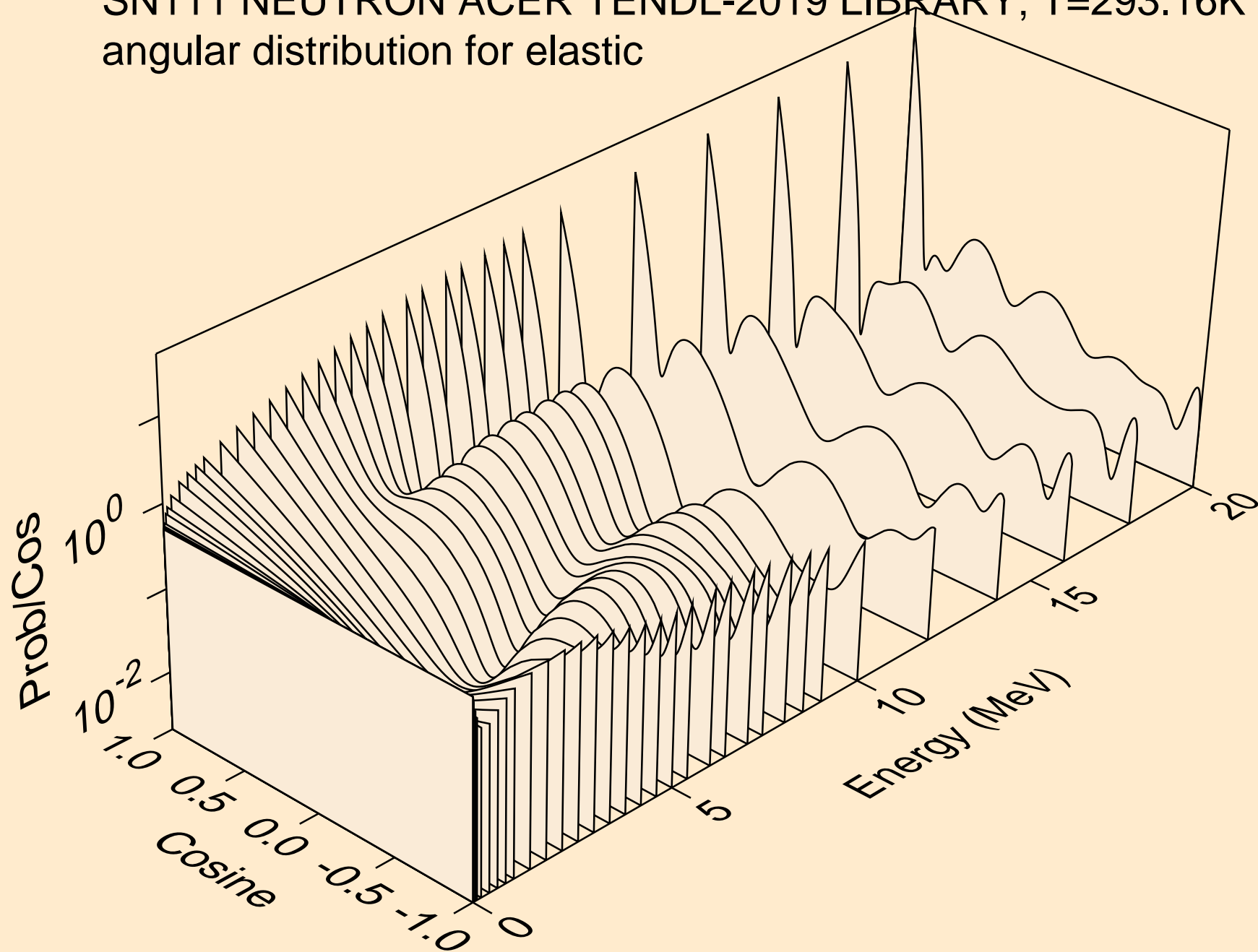


# SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

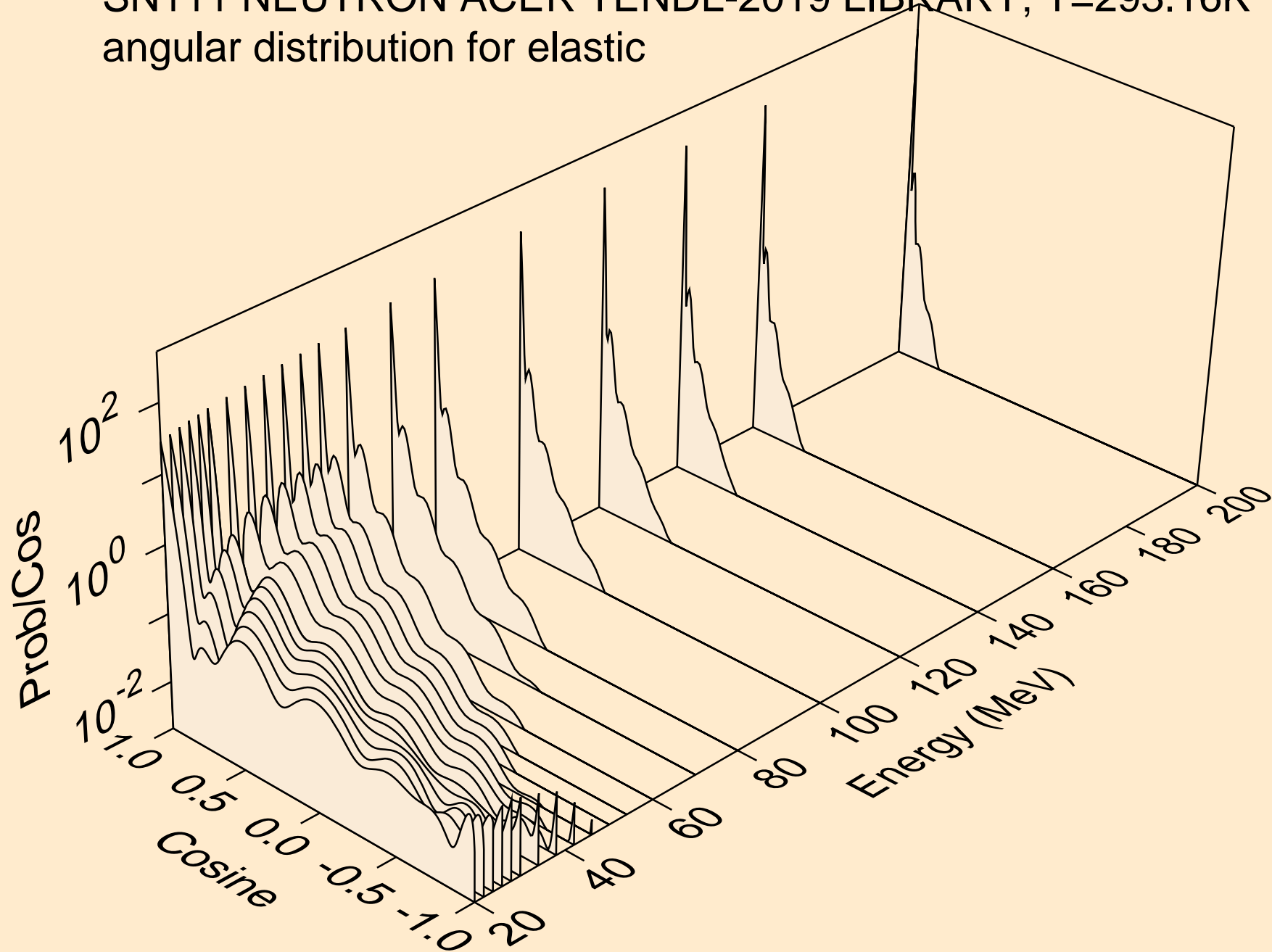
## Threshold reactions



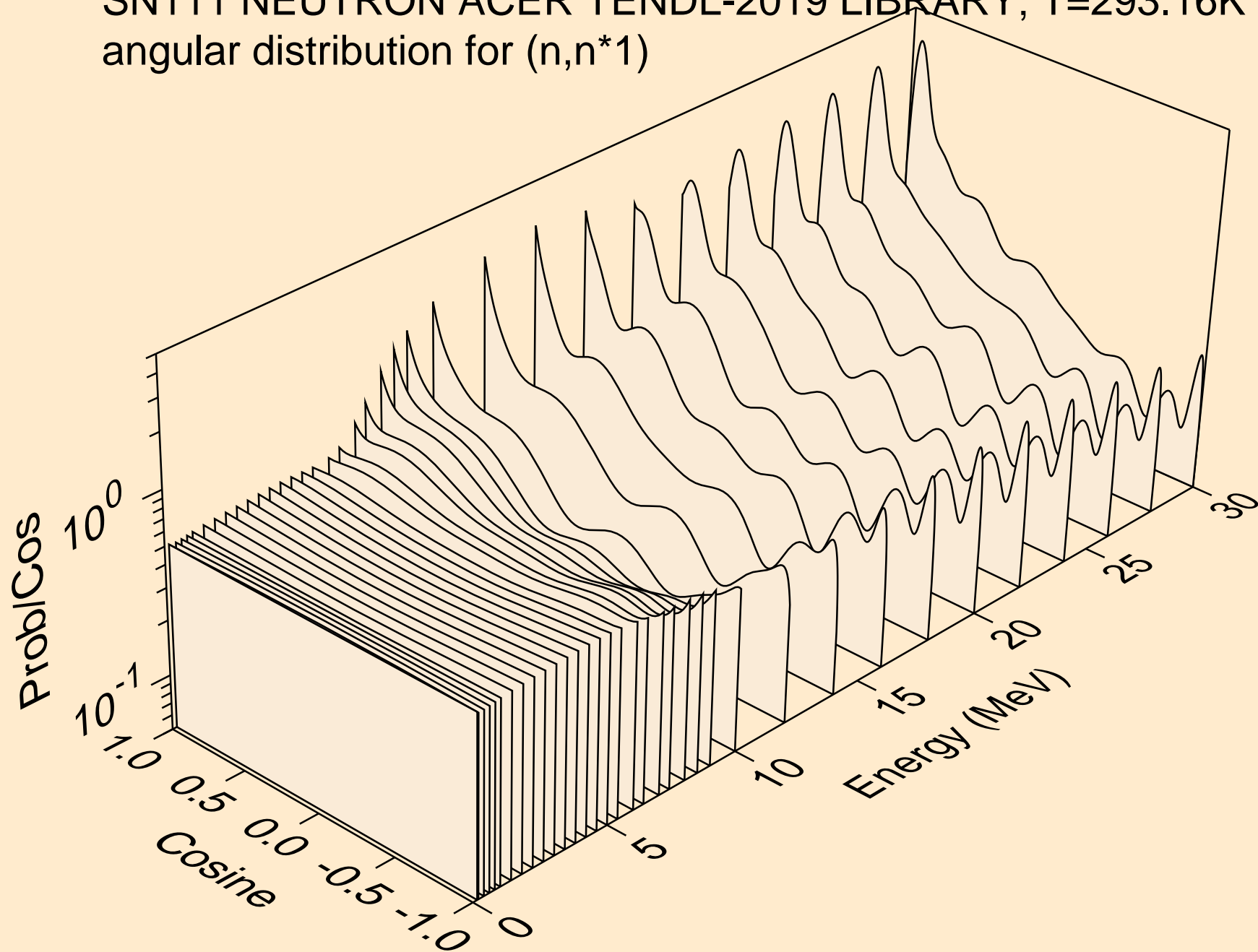
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic

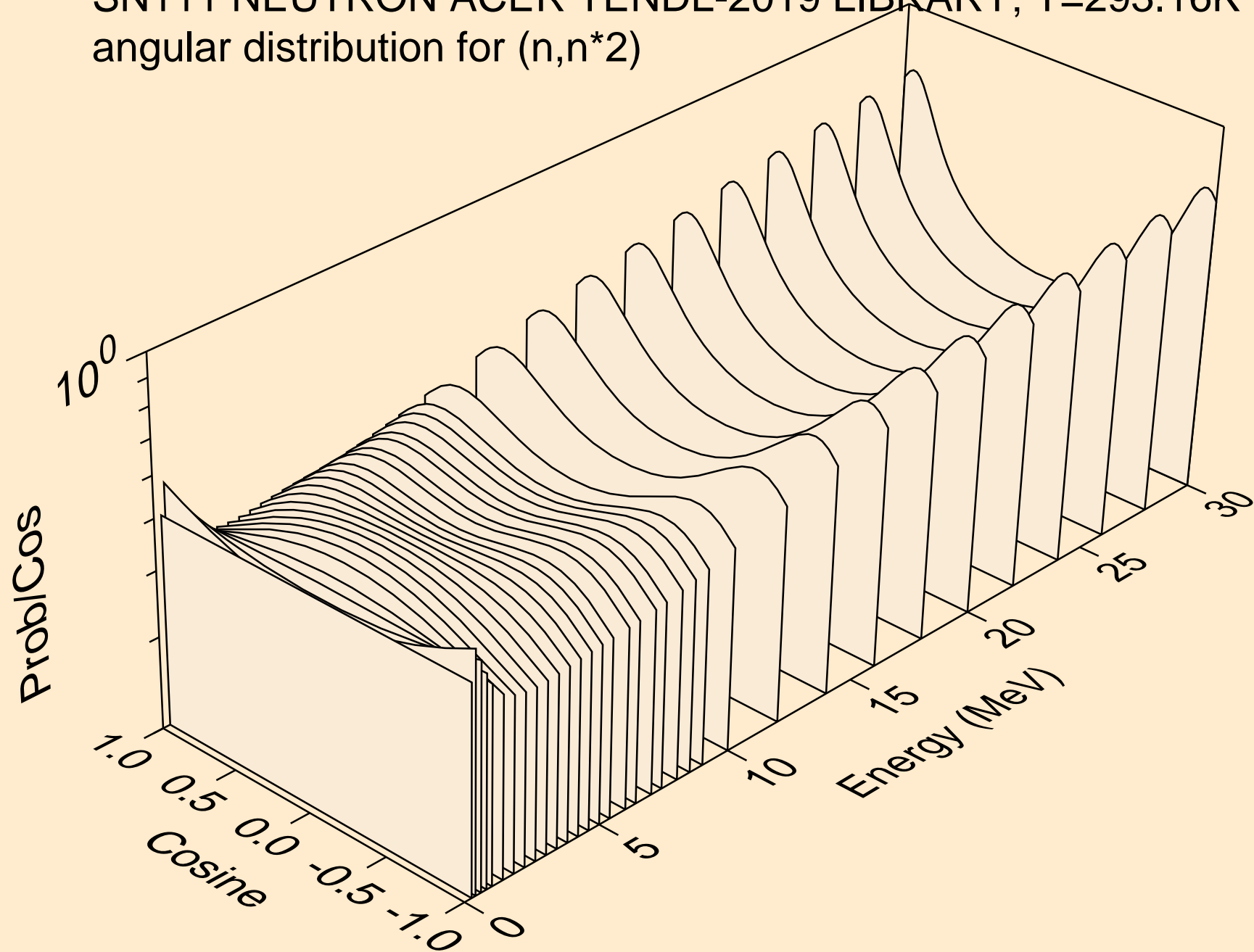


SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)

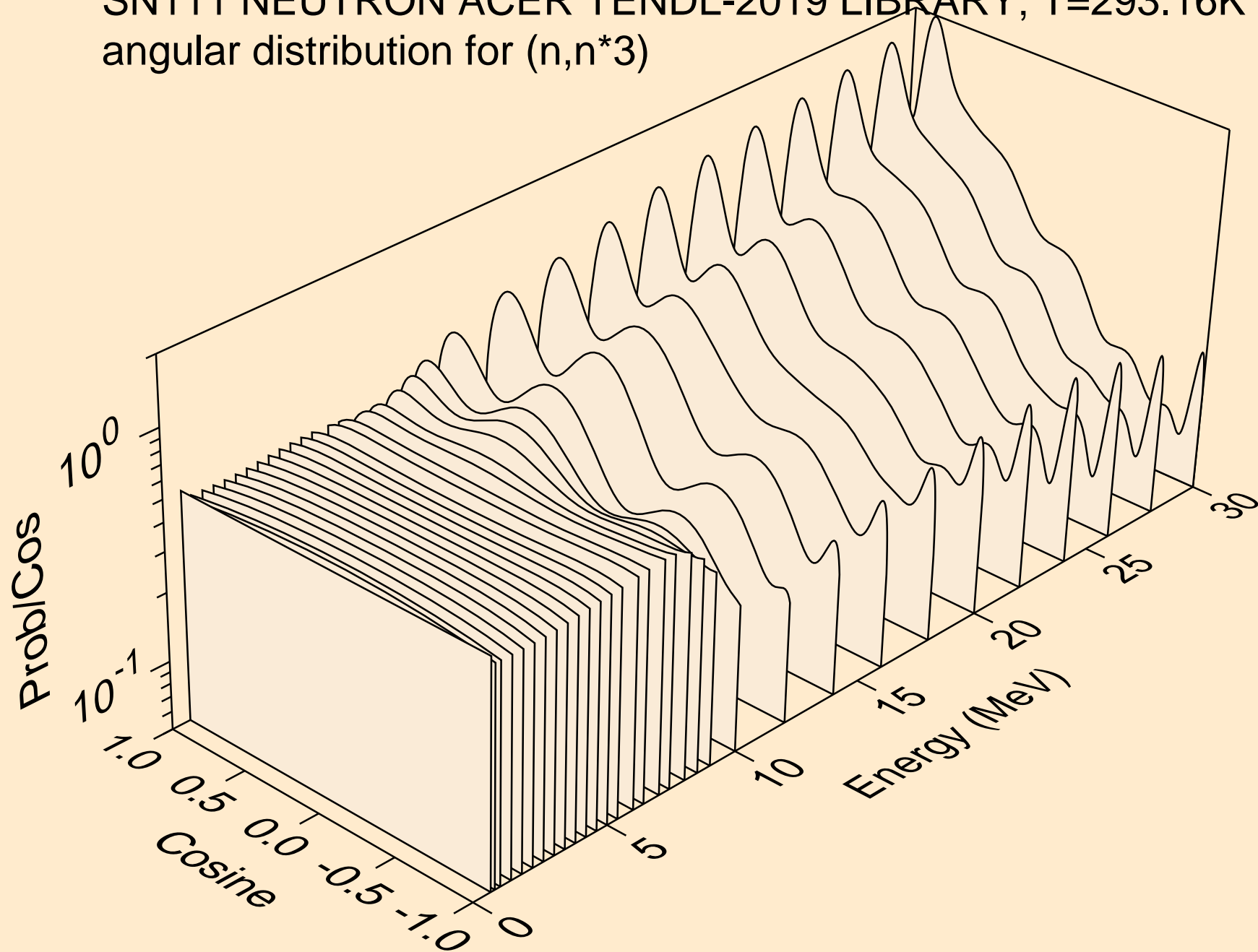




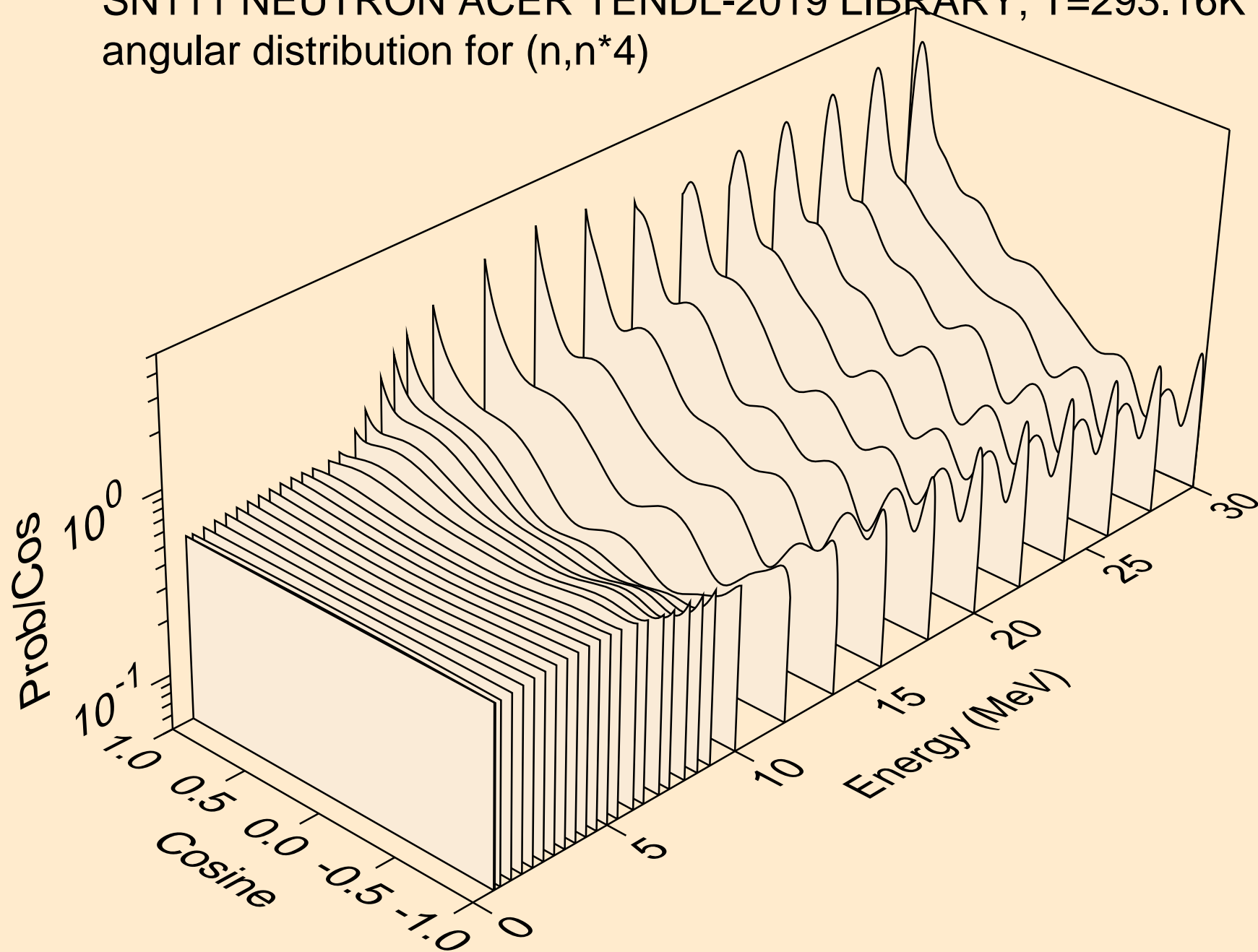
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*2)



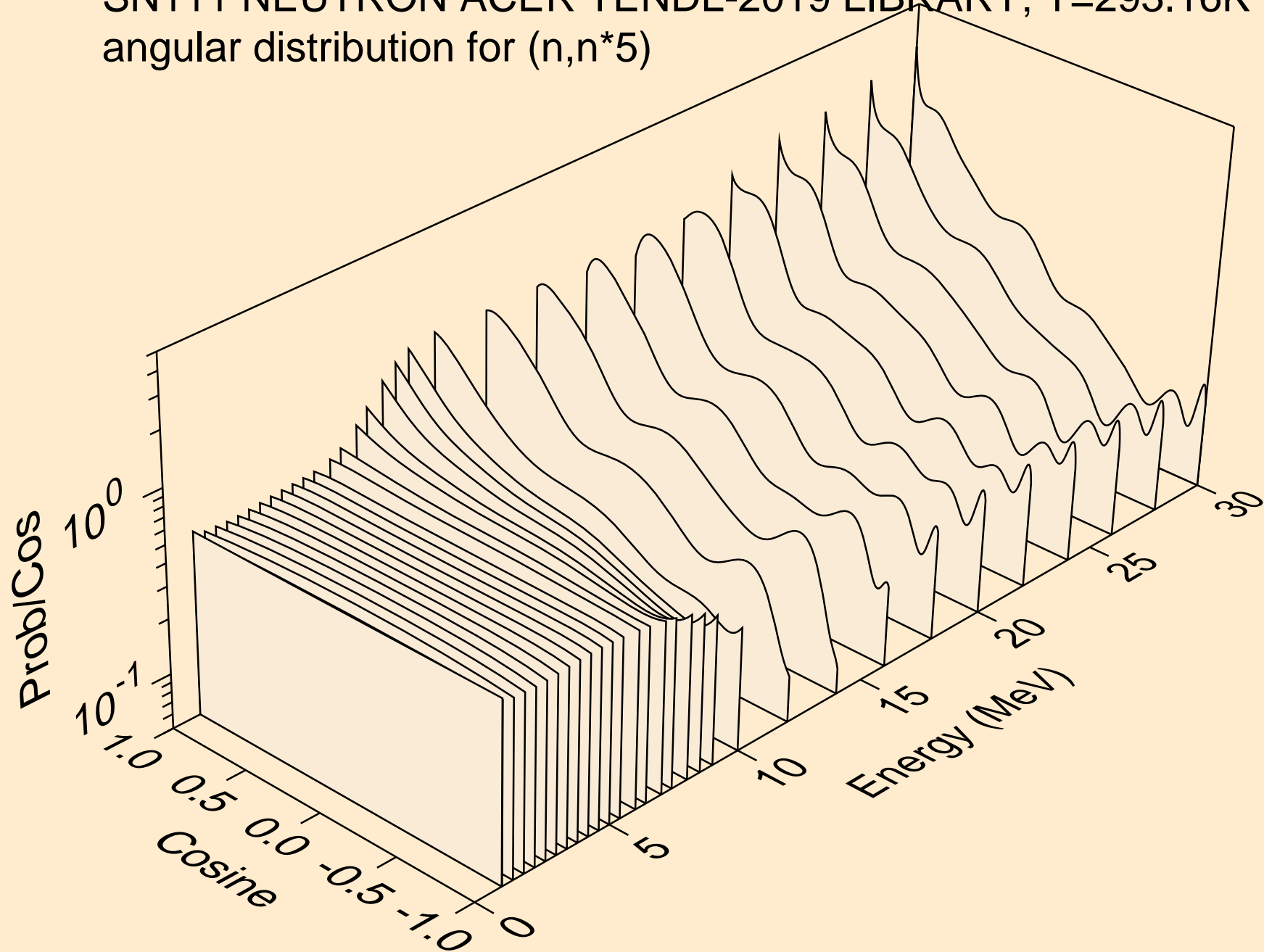
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*3)



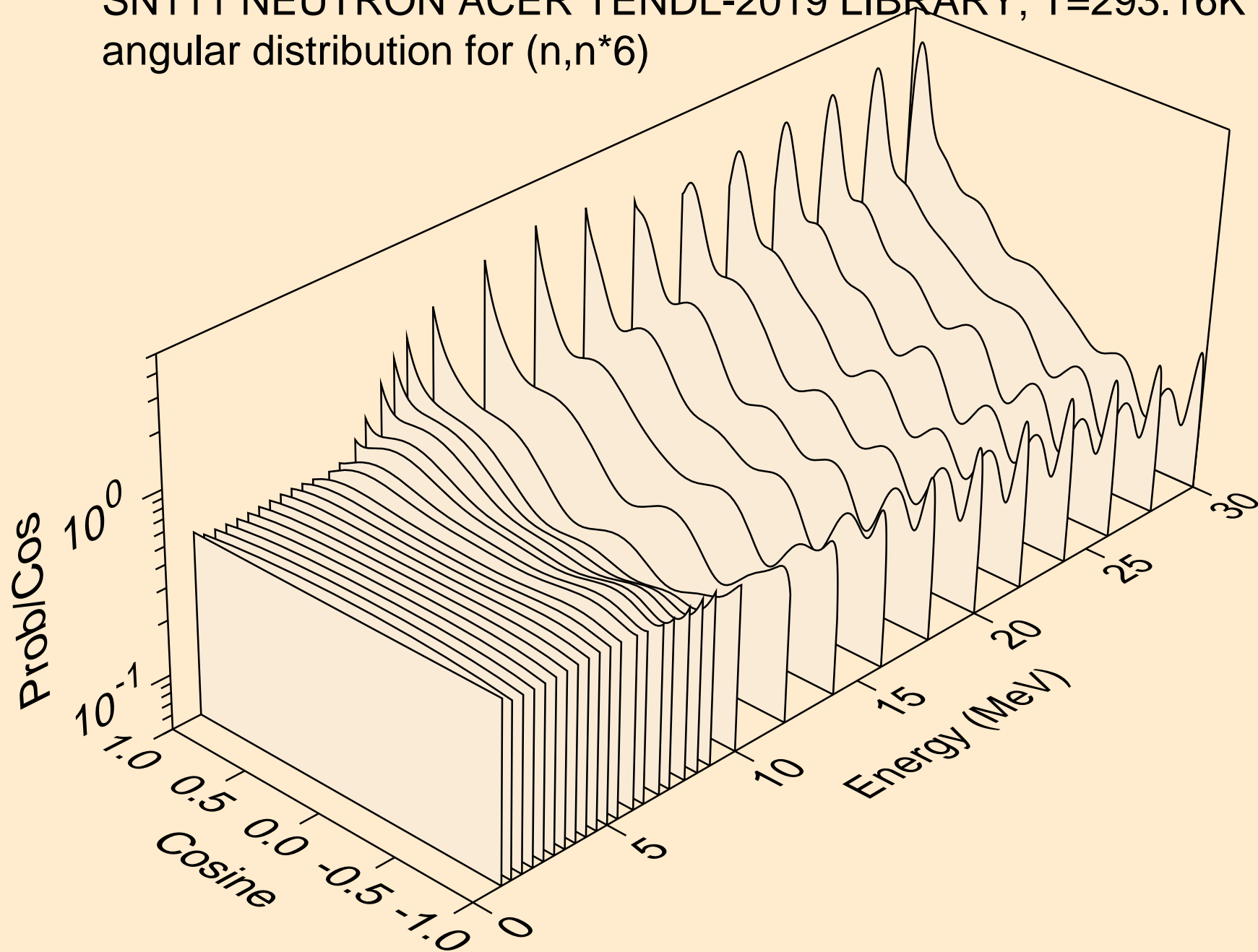
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*4)



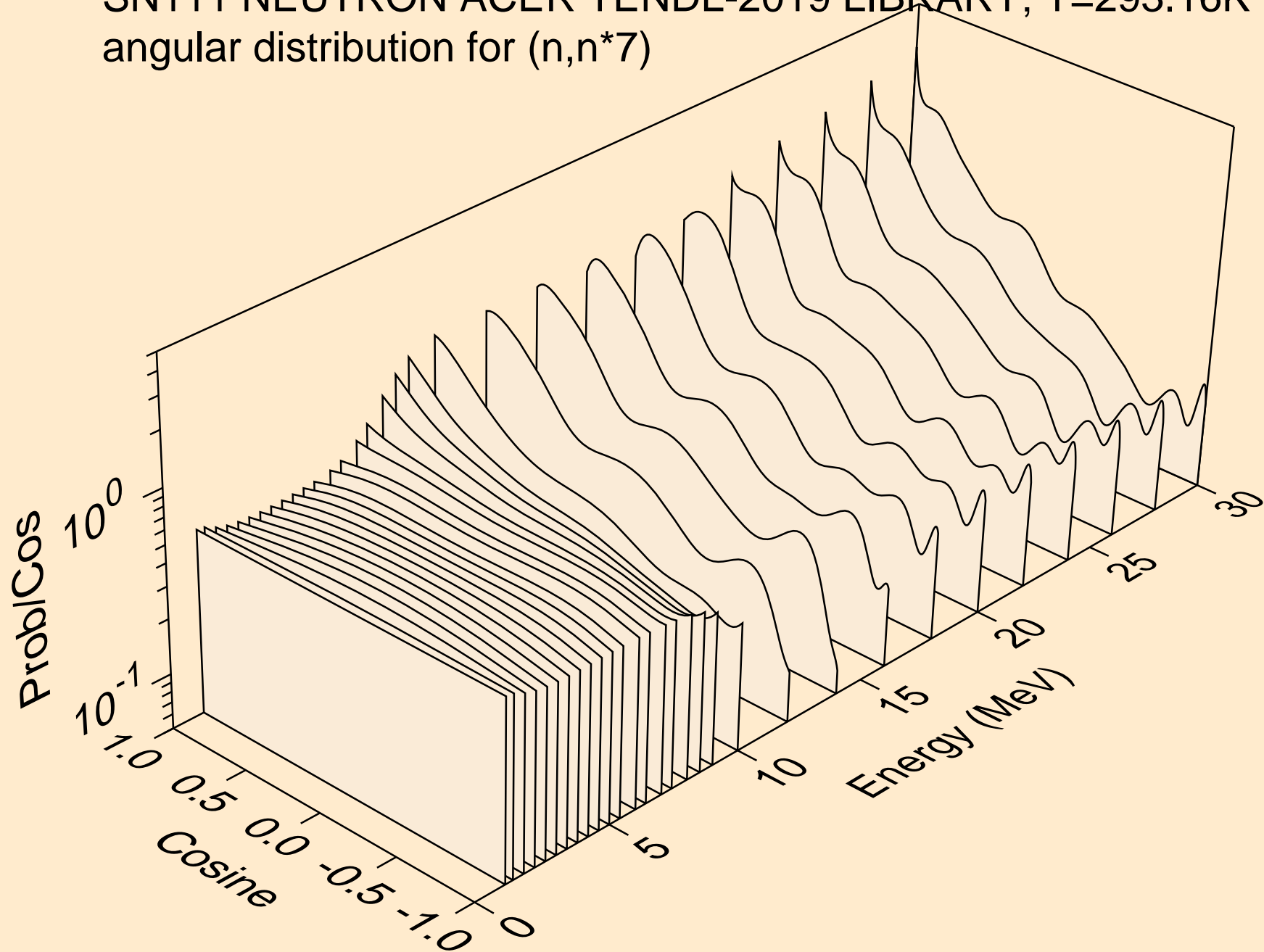
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*5)



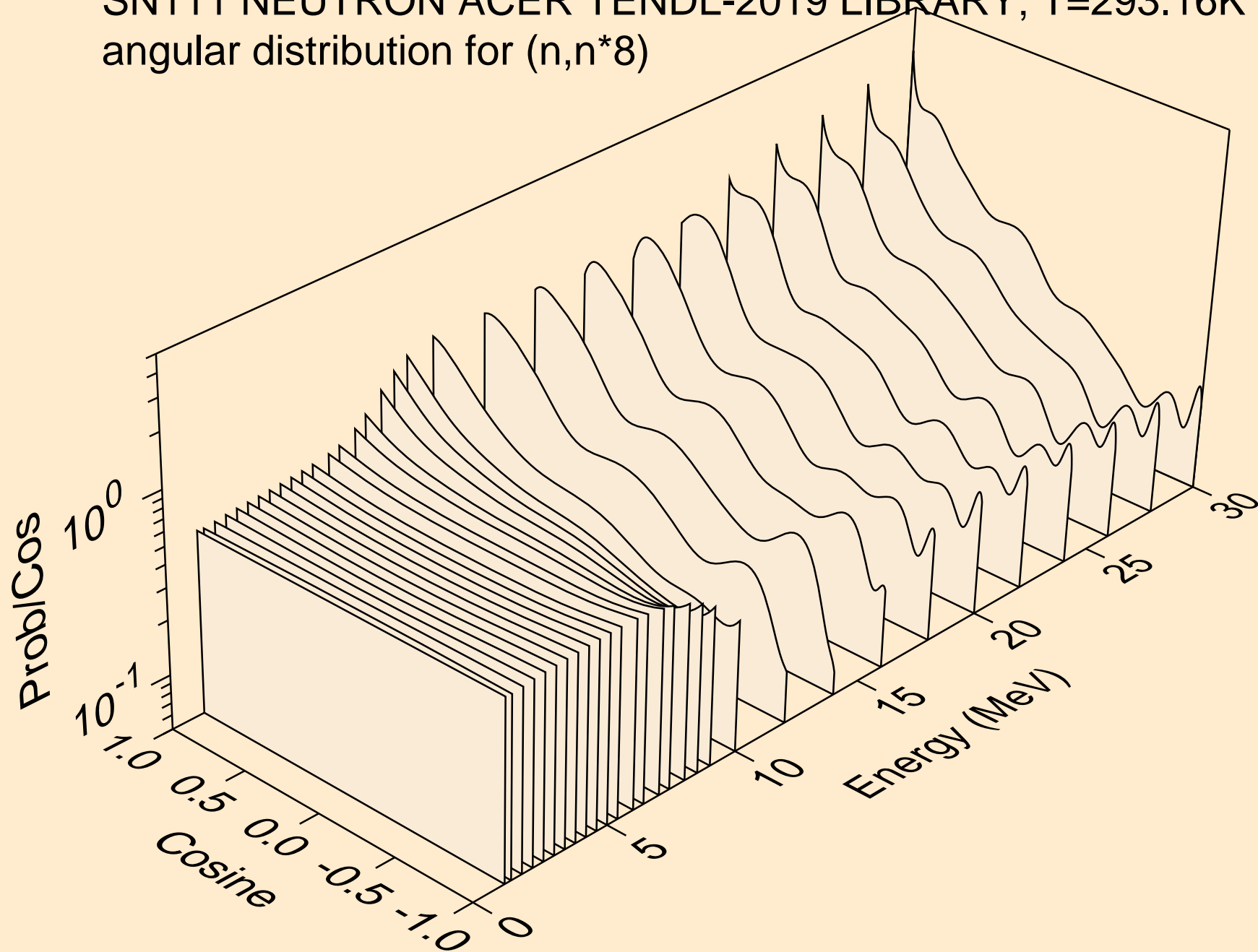
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*6)



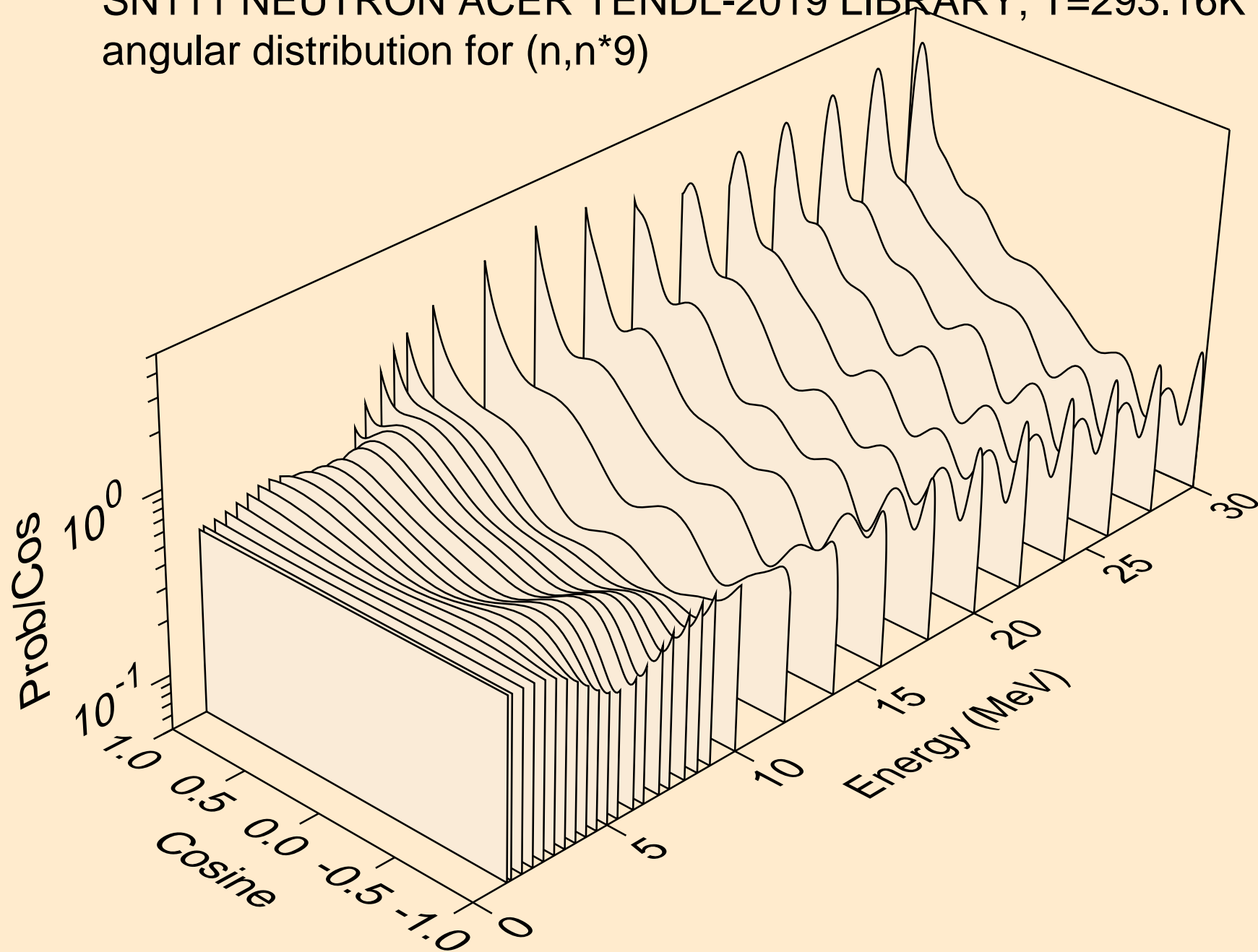
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*7)



SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*8)

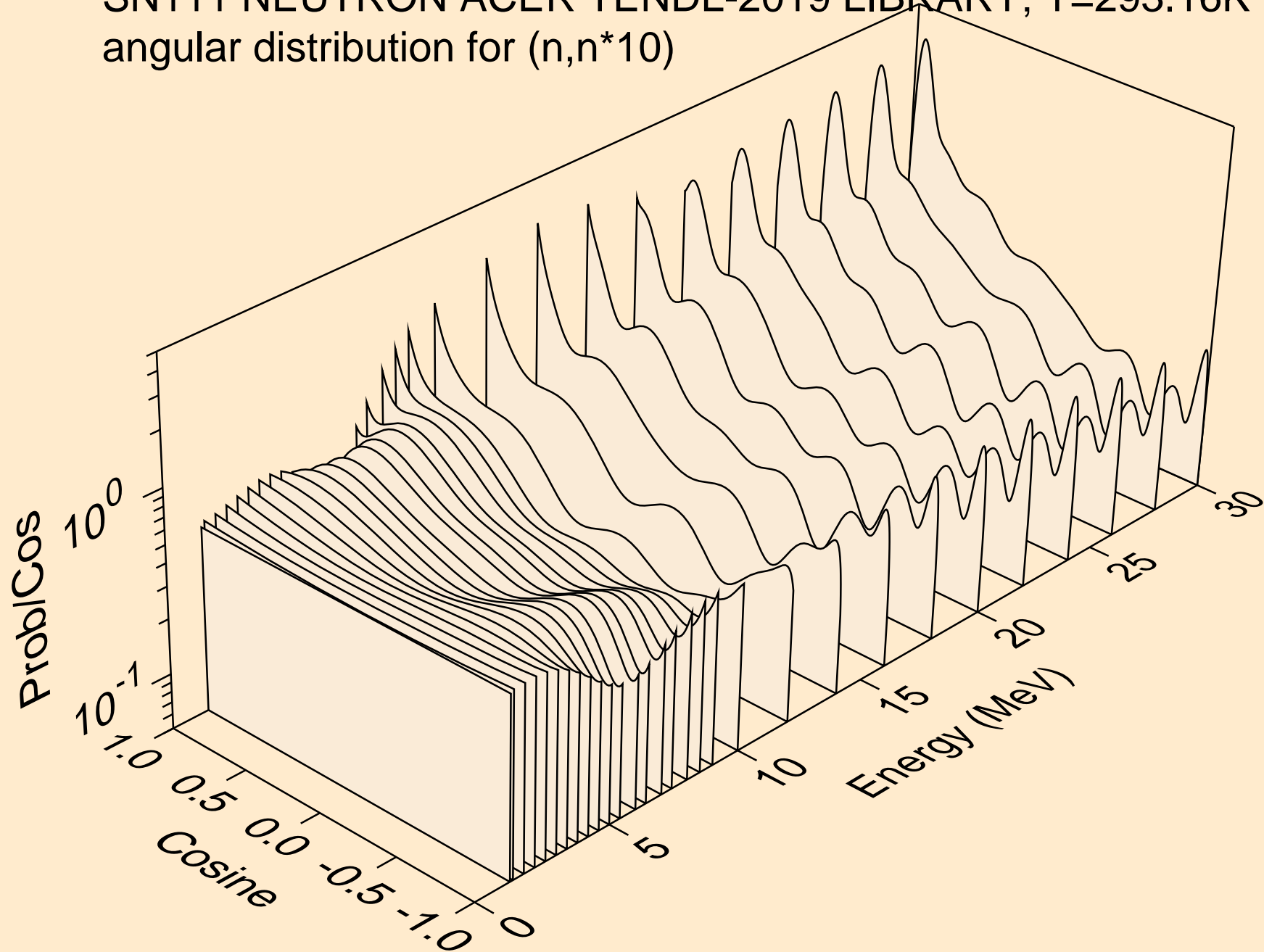


SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*9)

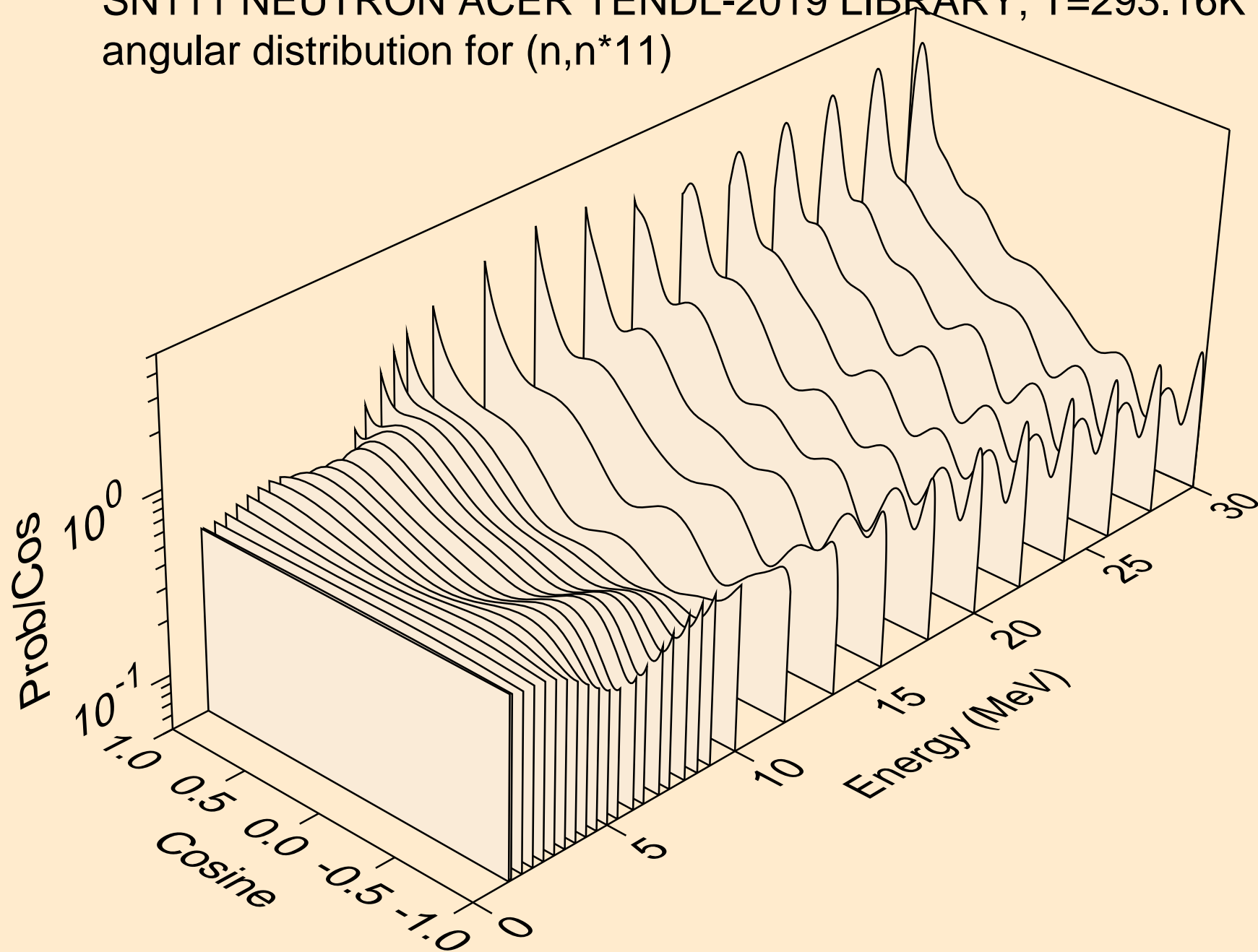




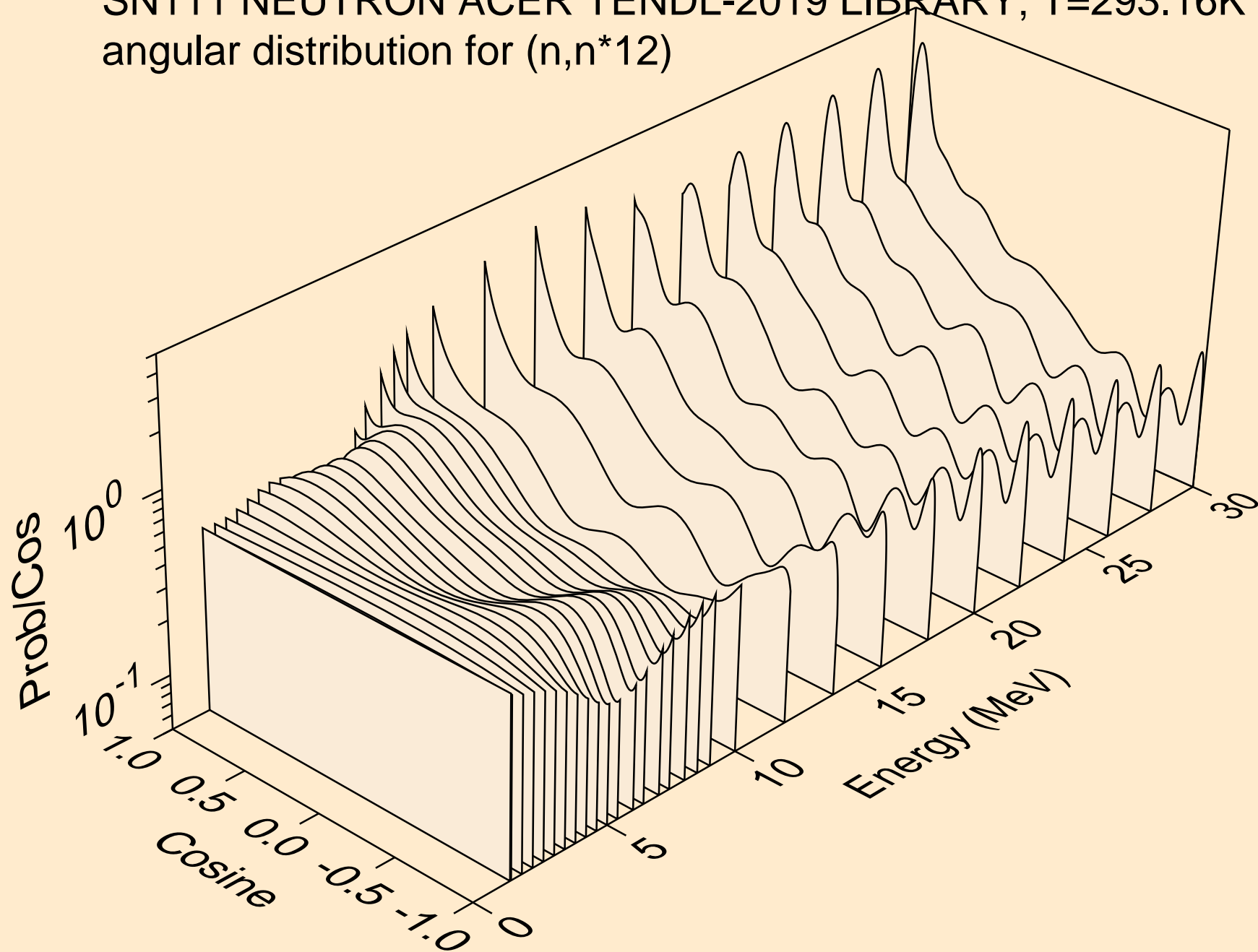
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*10)



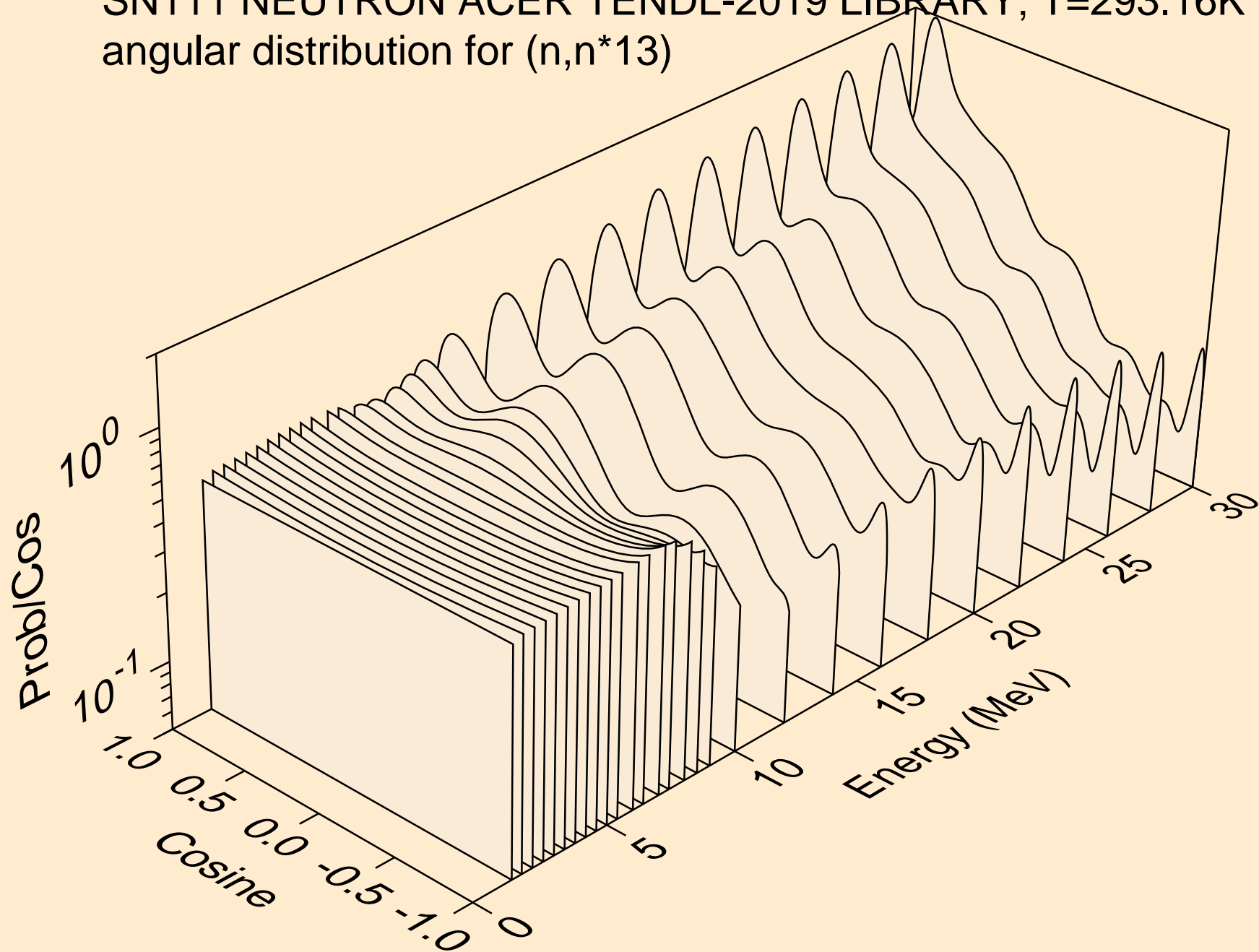
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*11)



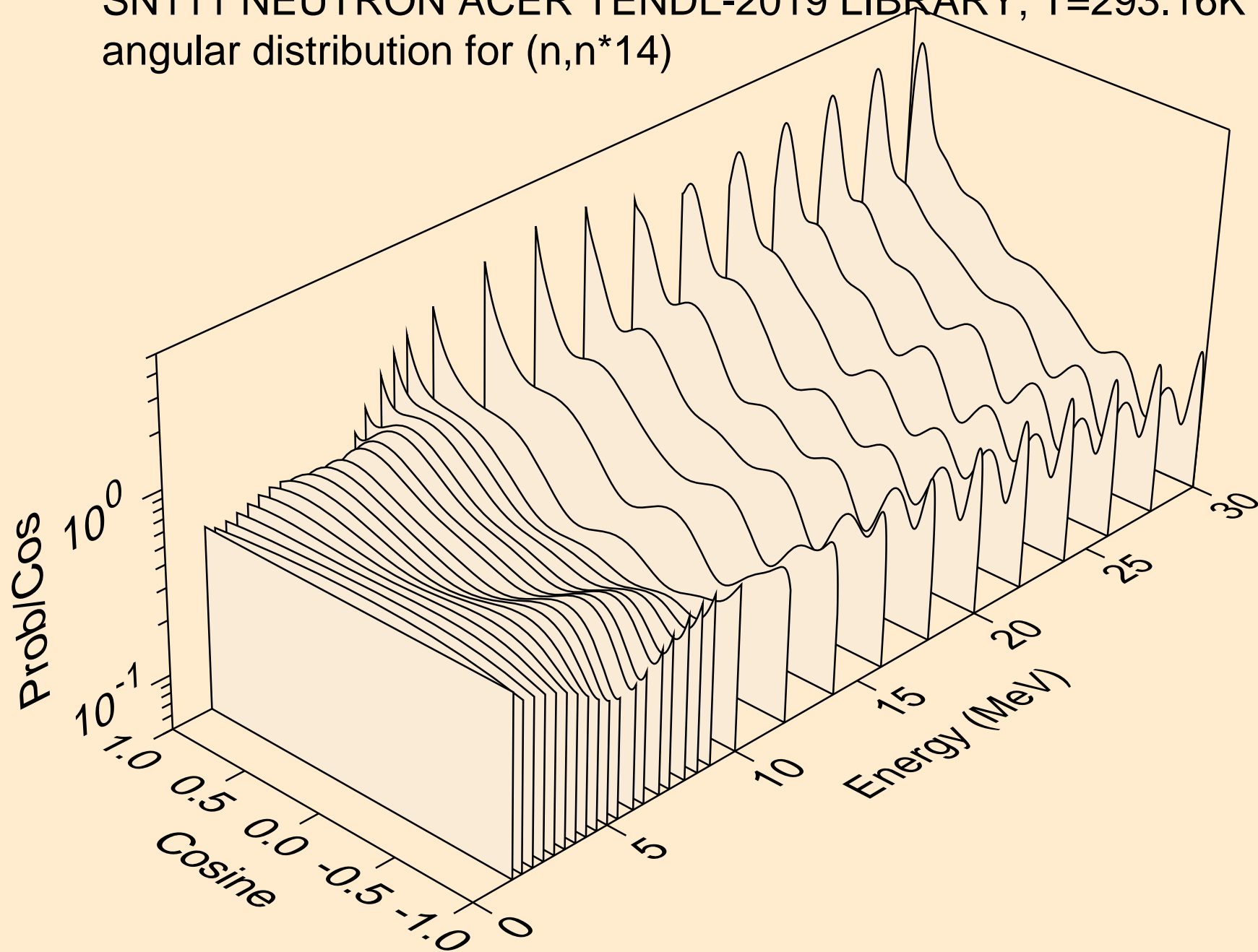
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*12)



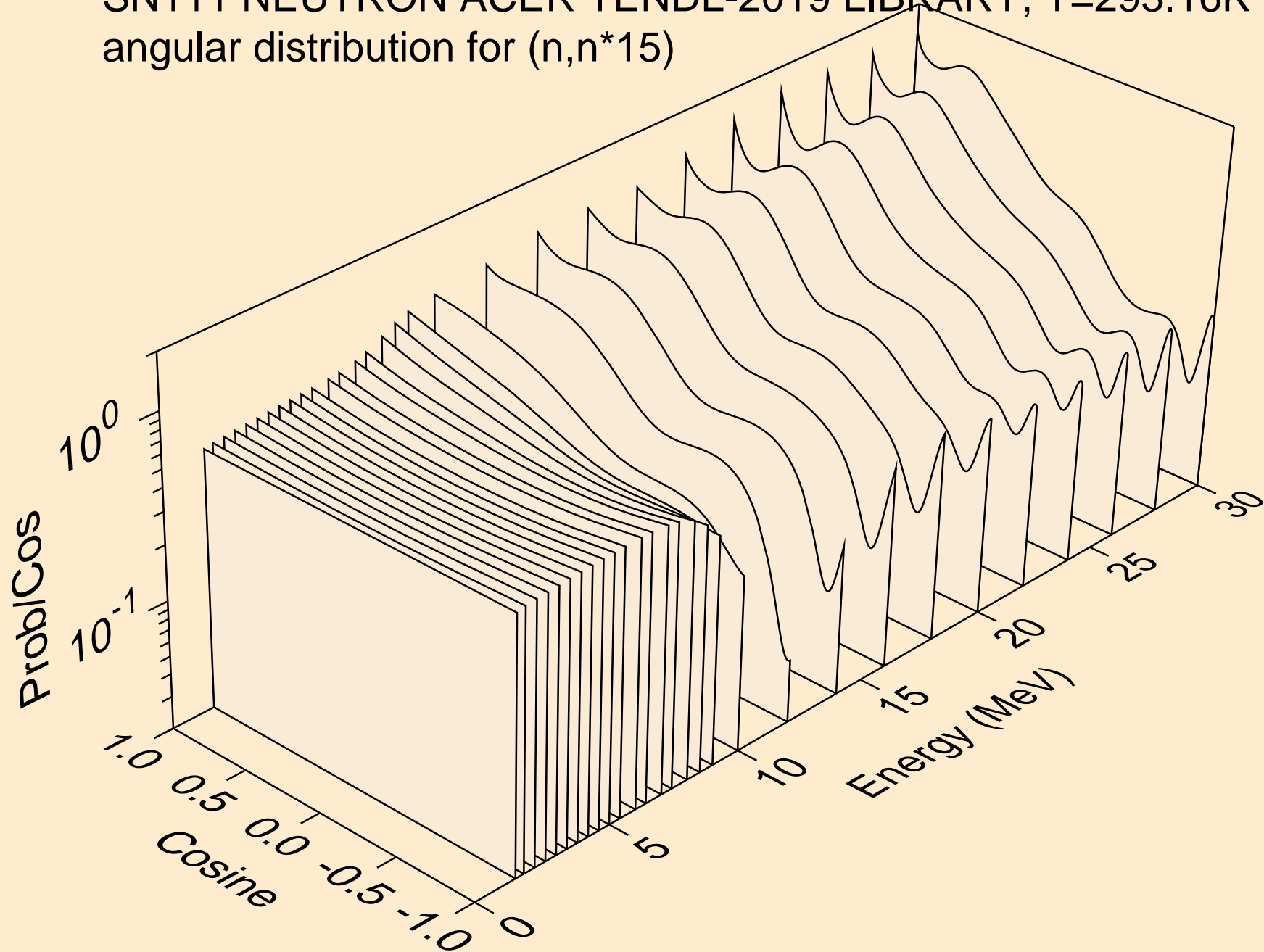
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*13)



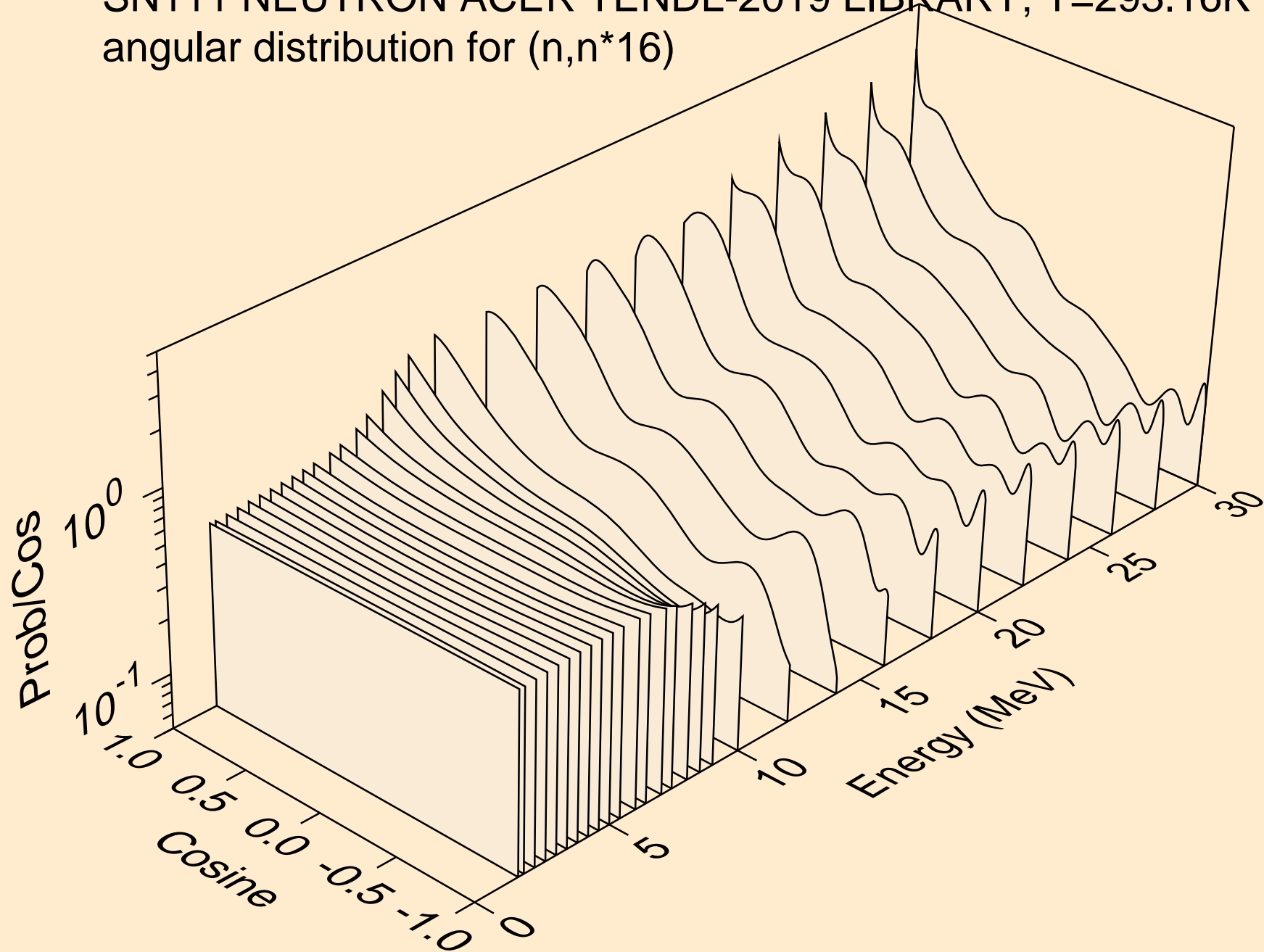
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*14)



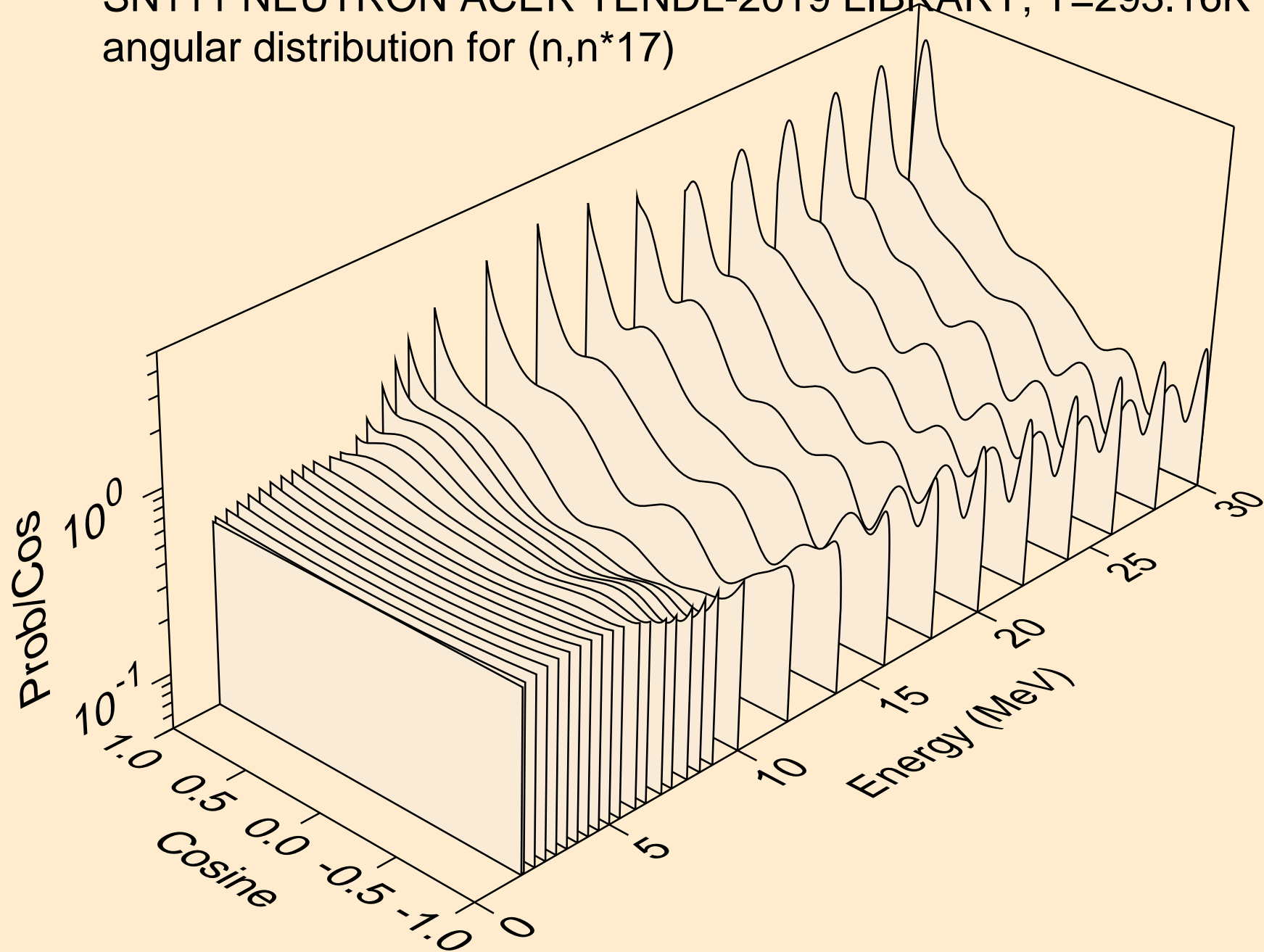
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*15)



SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*16)

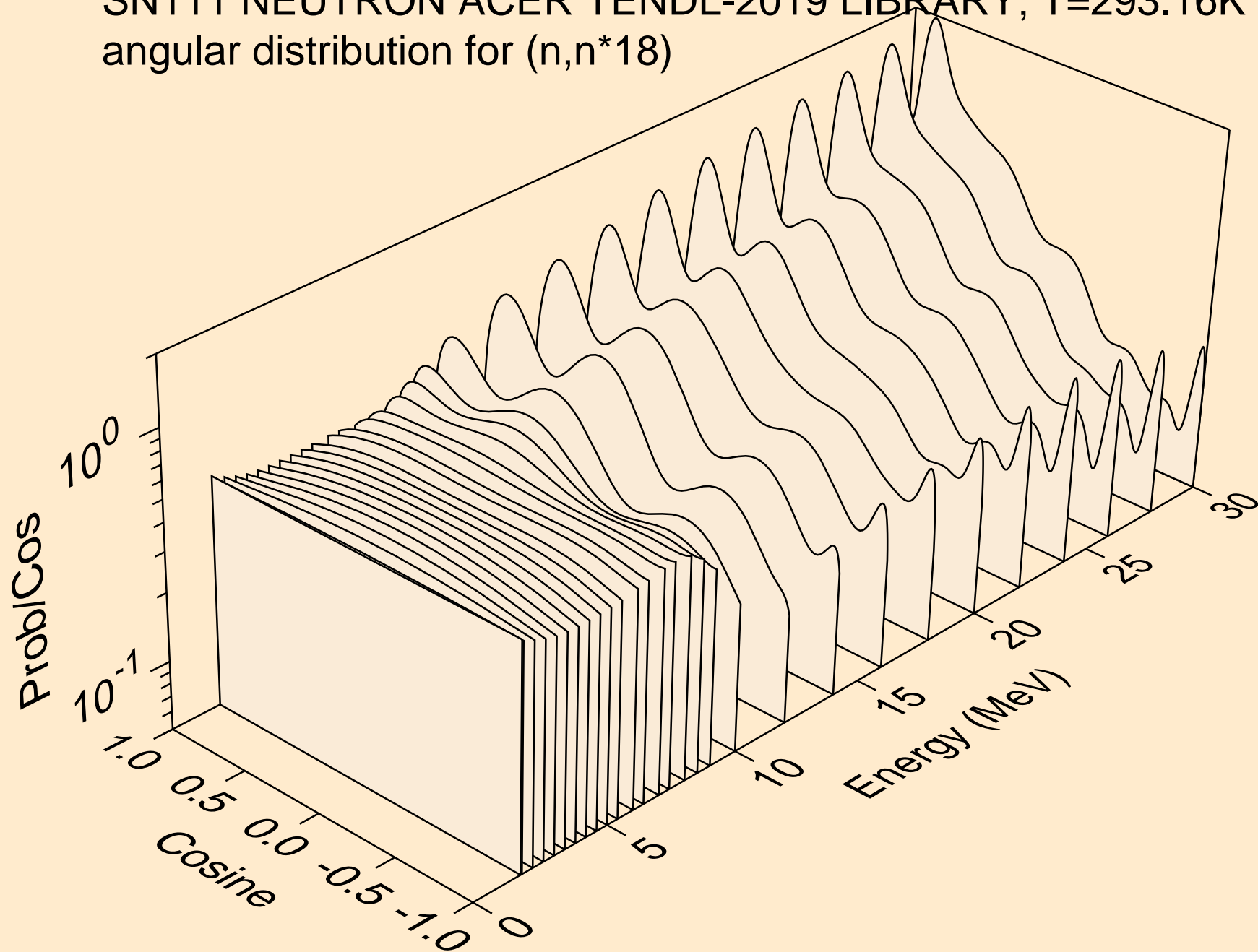


SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*17)

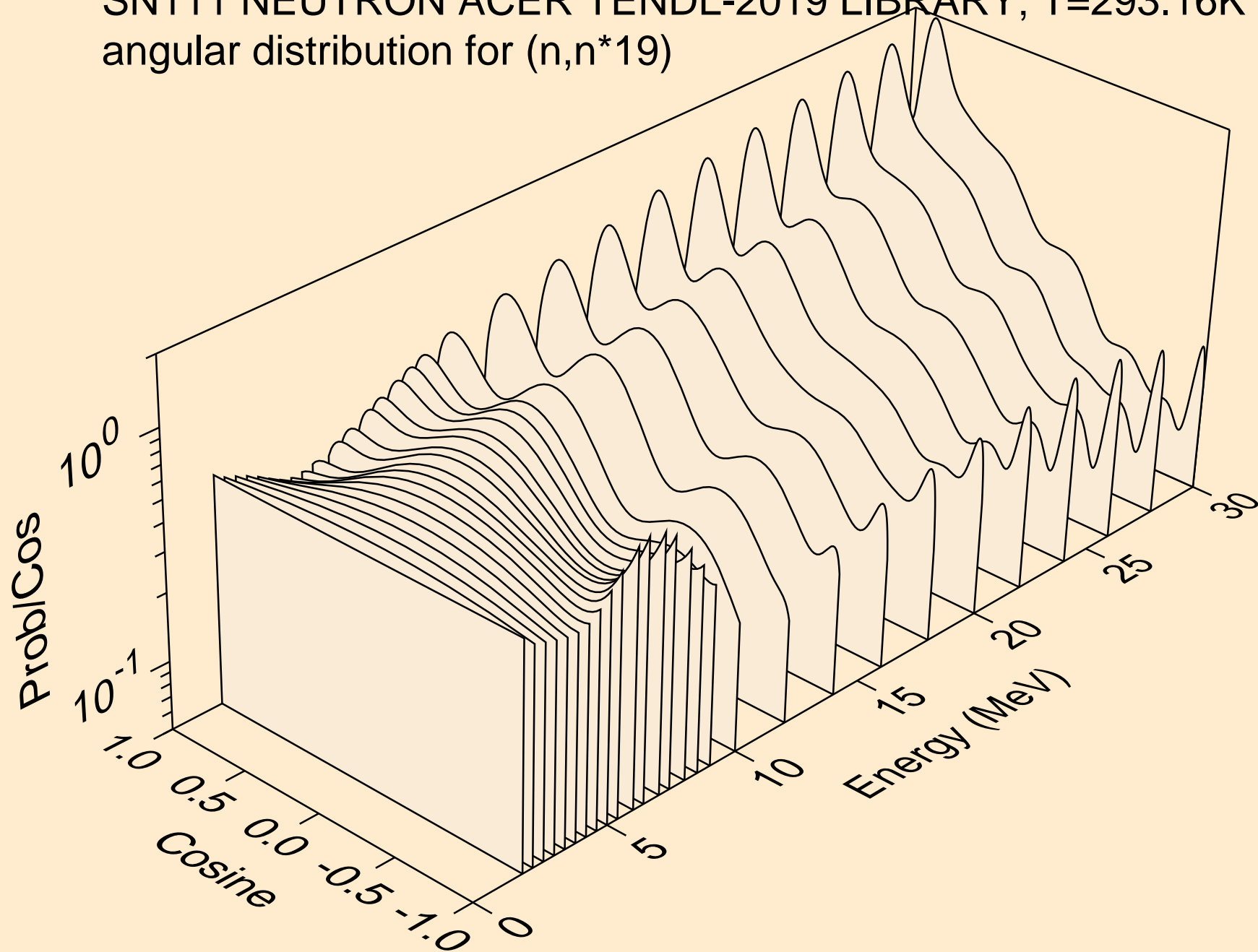




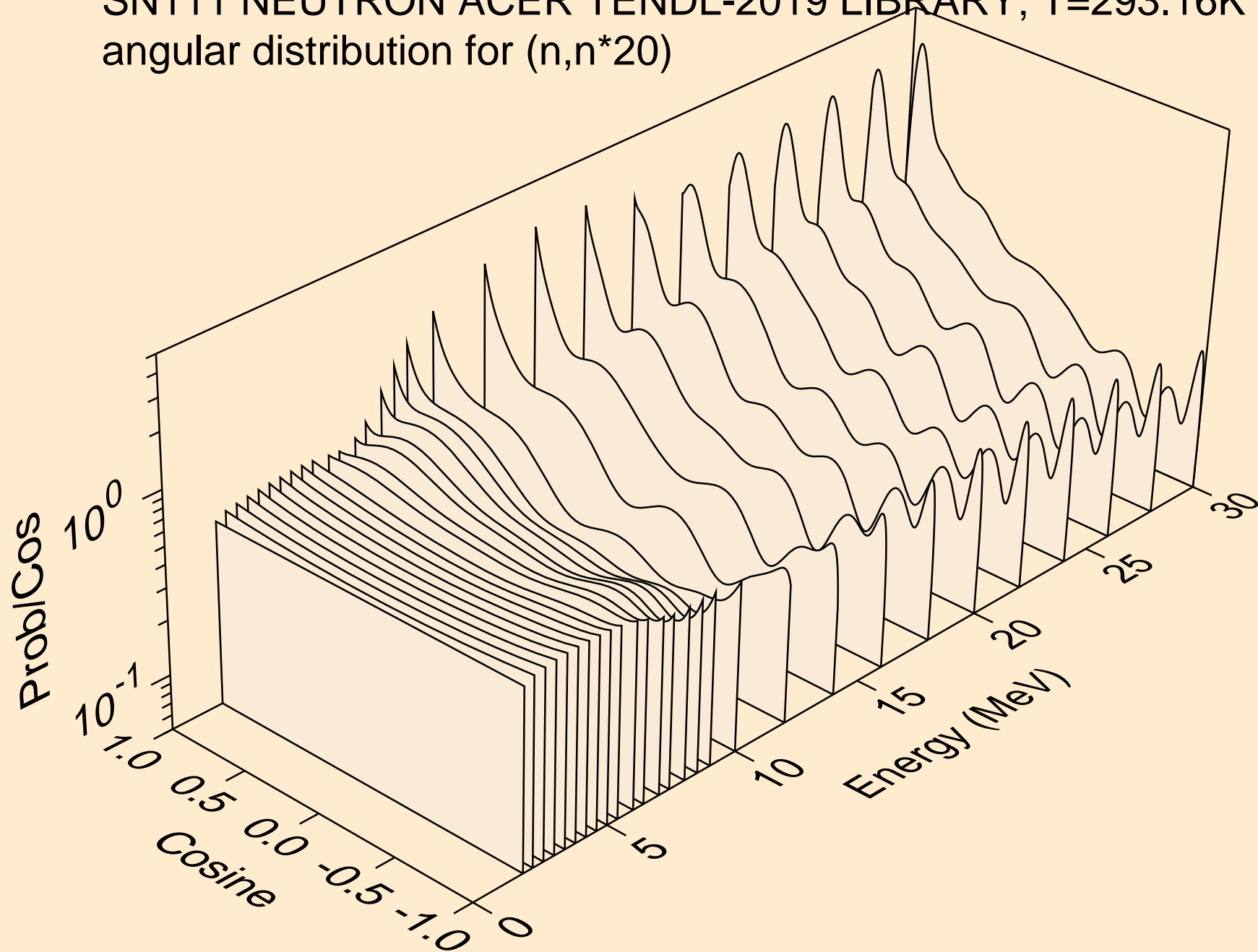
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*18)



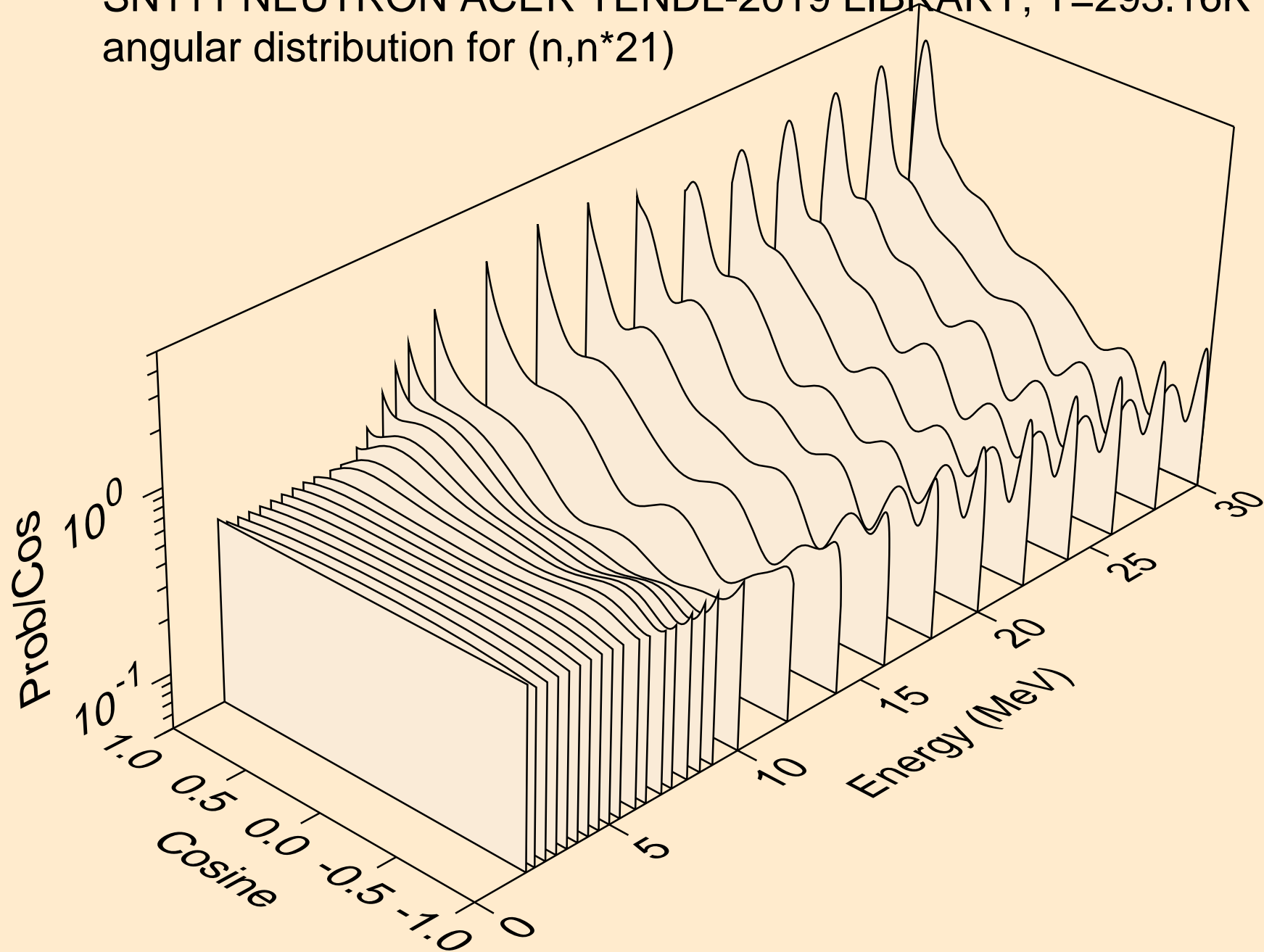
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*19)



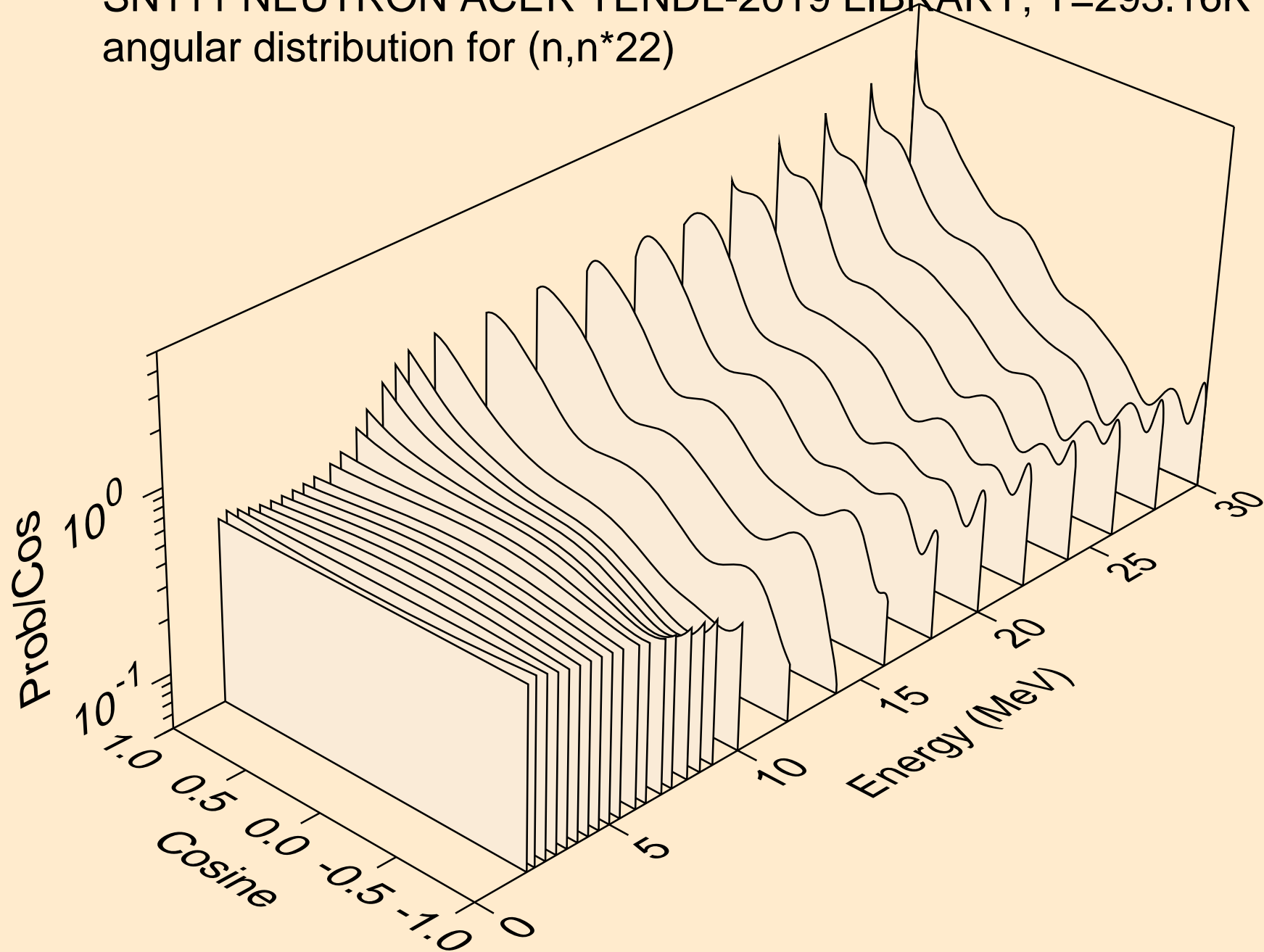
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*20)



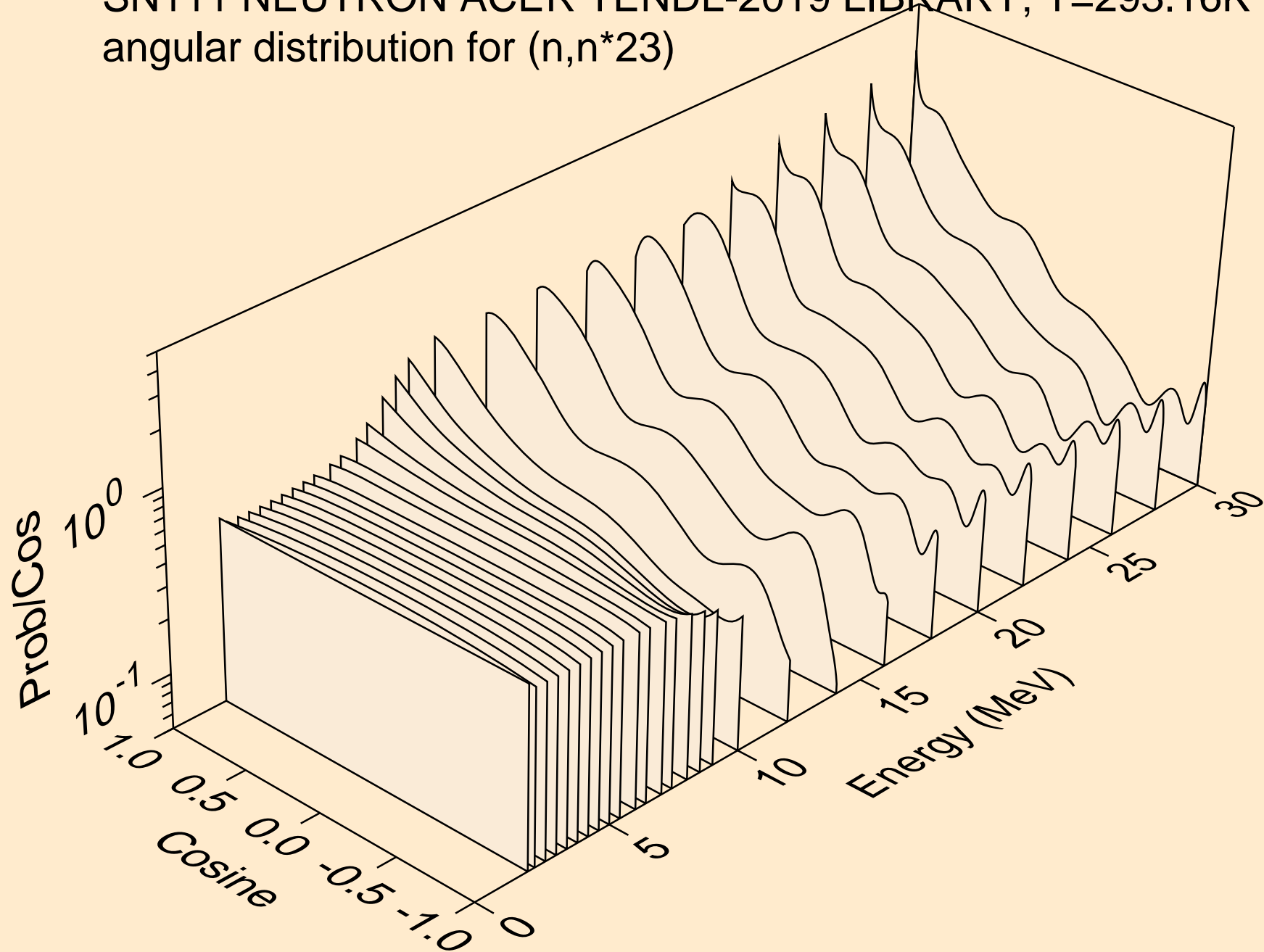
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*21)



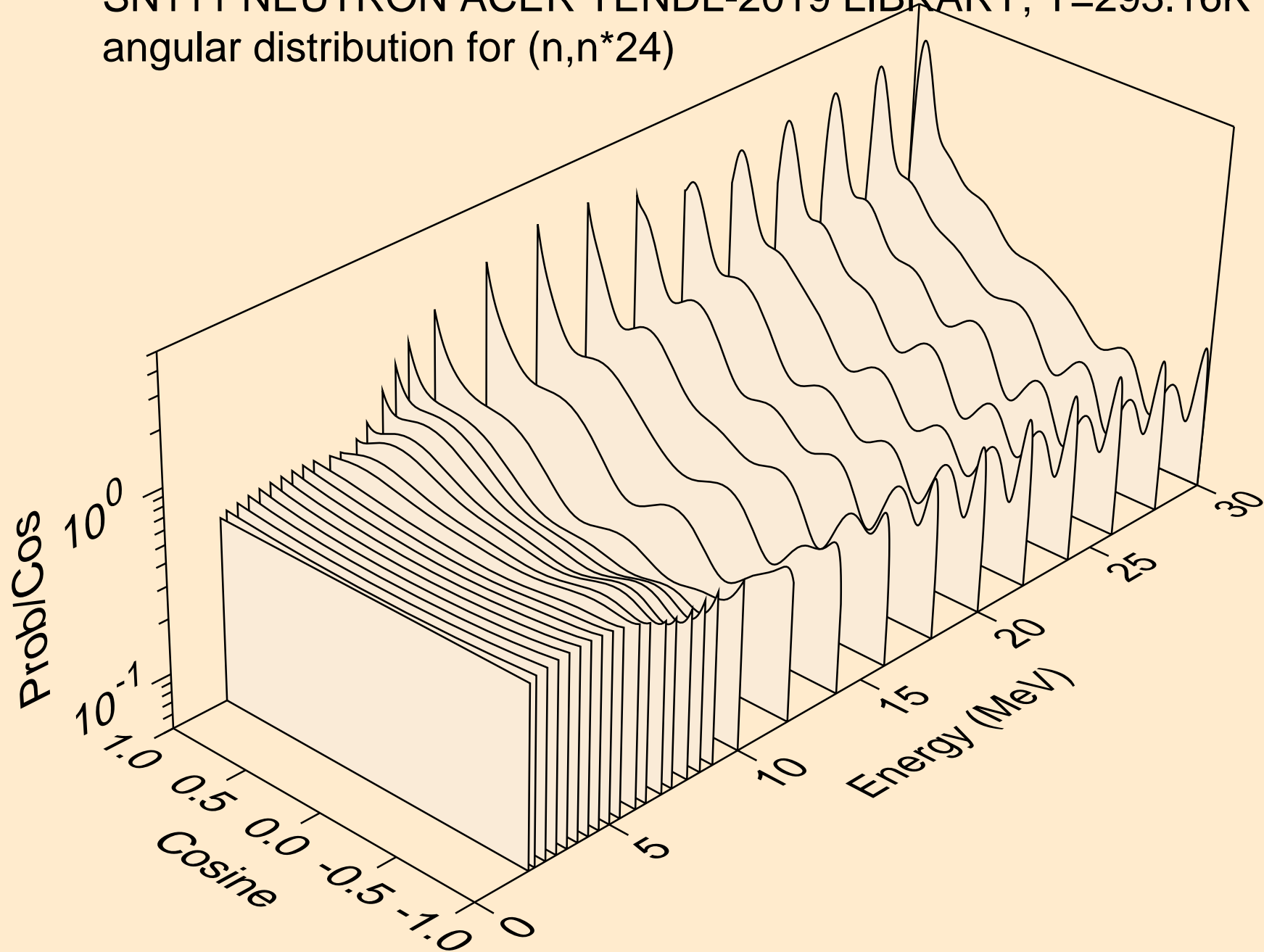
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*22)



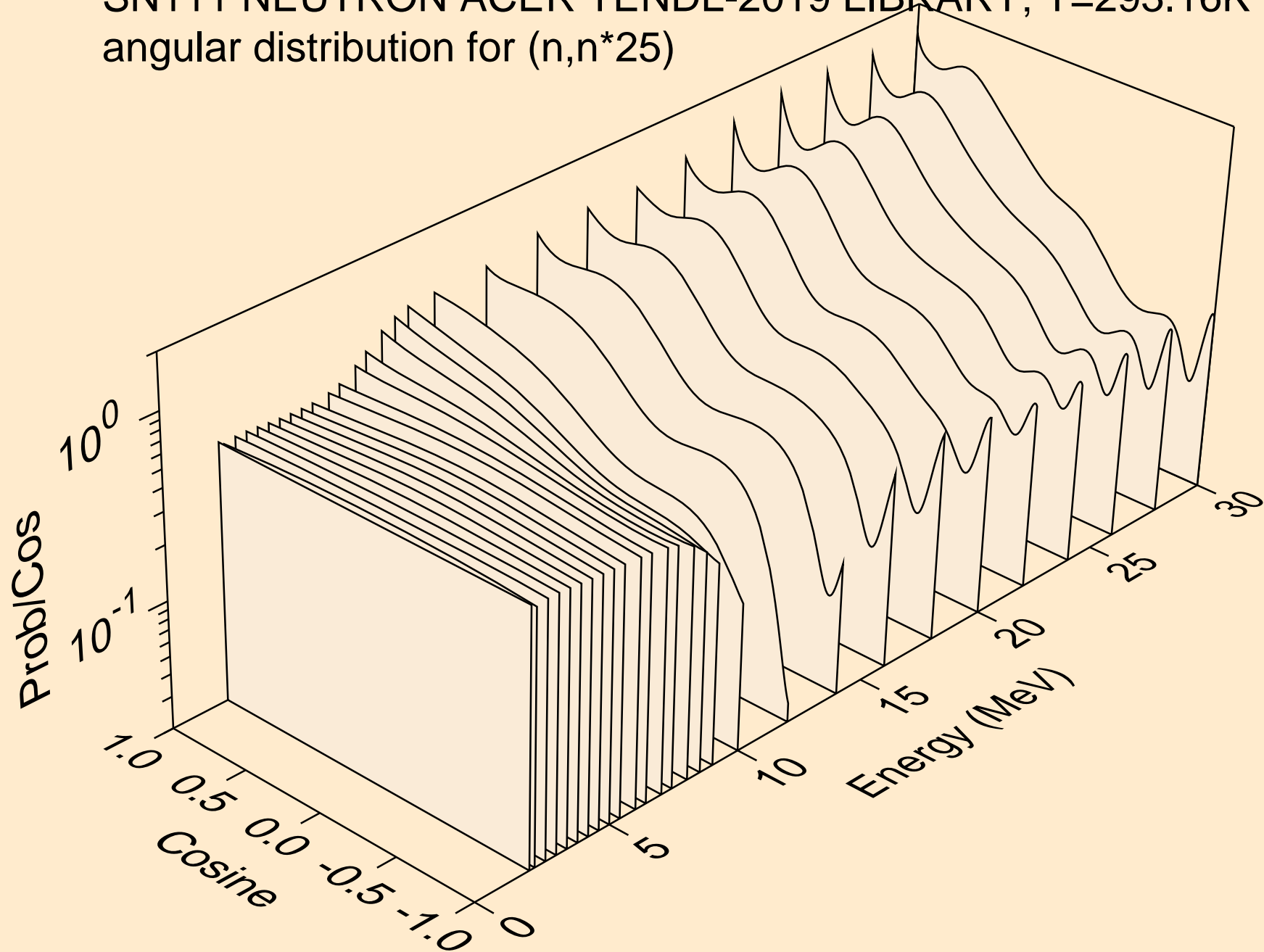
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*23)



SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*24)

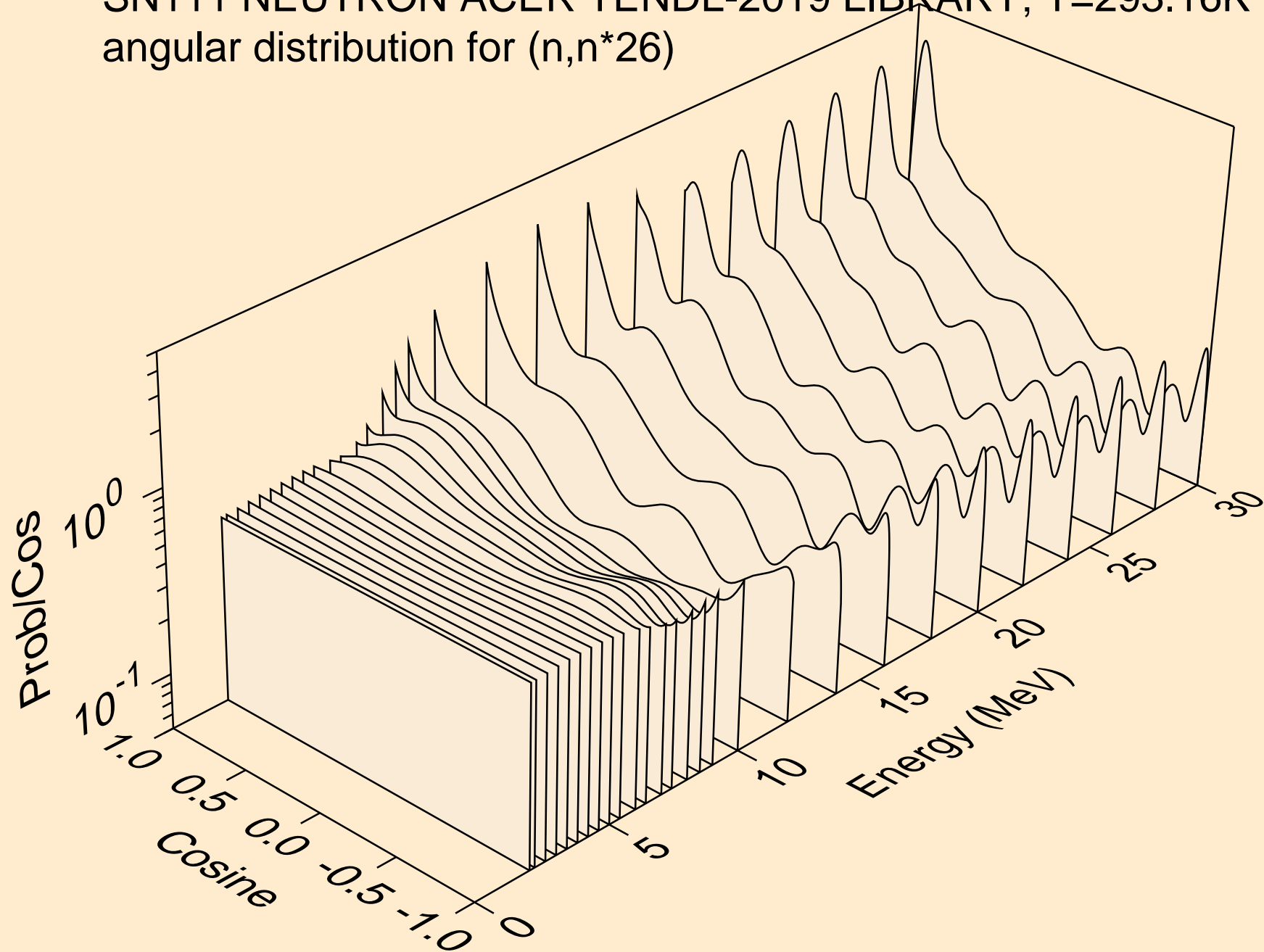


SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*25)

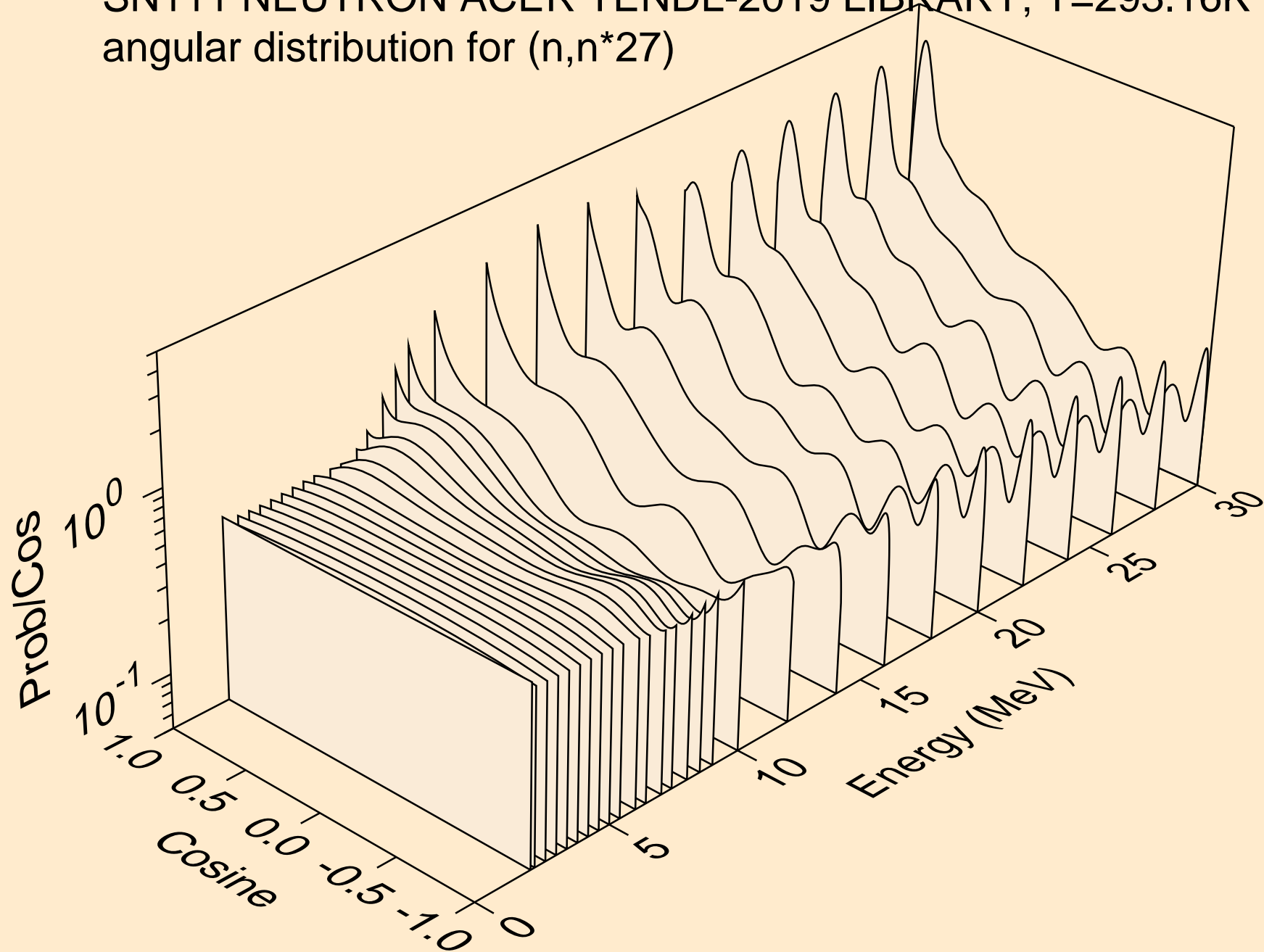




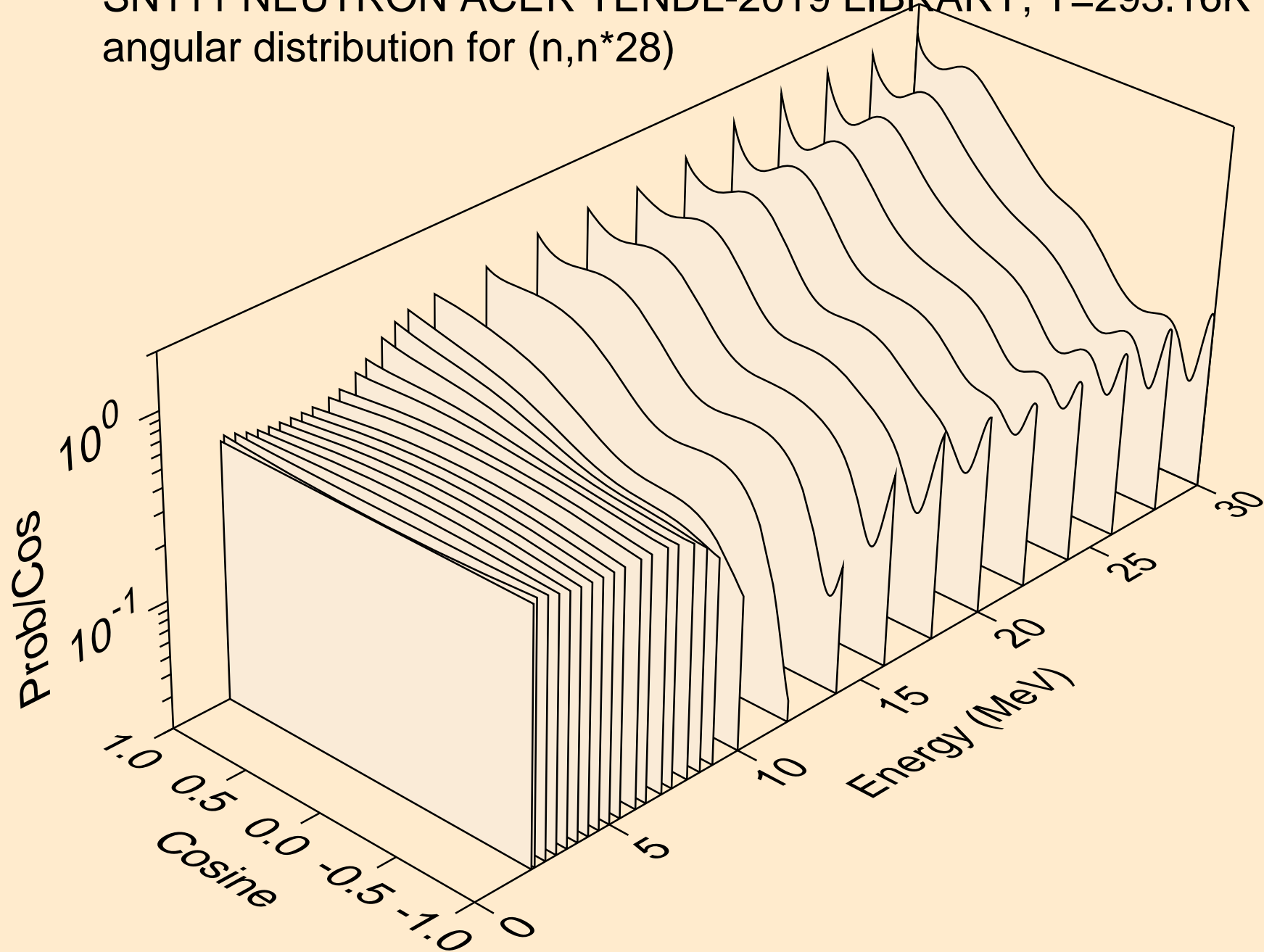
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*26)



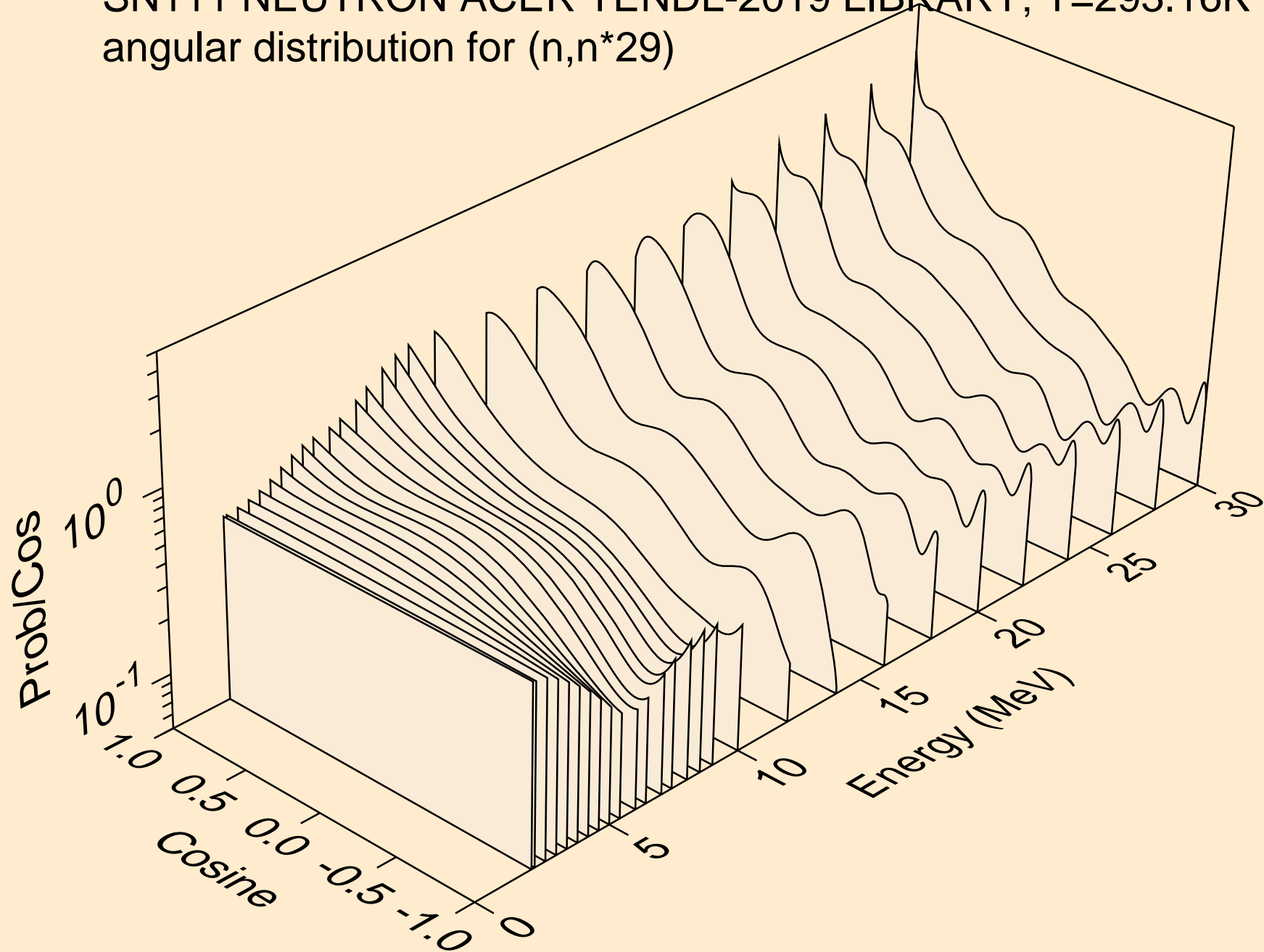
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*27)



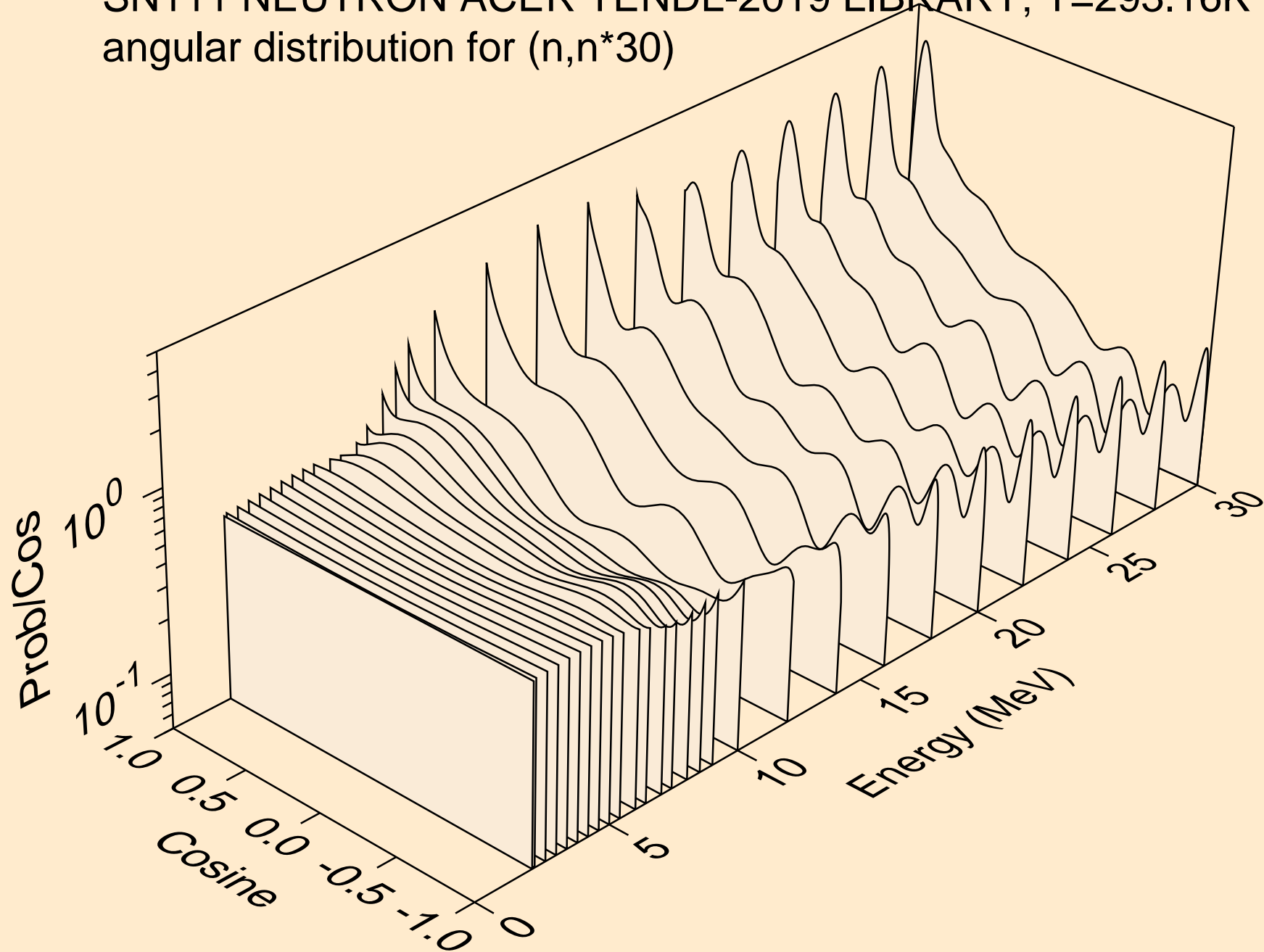
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*28)



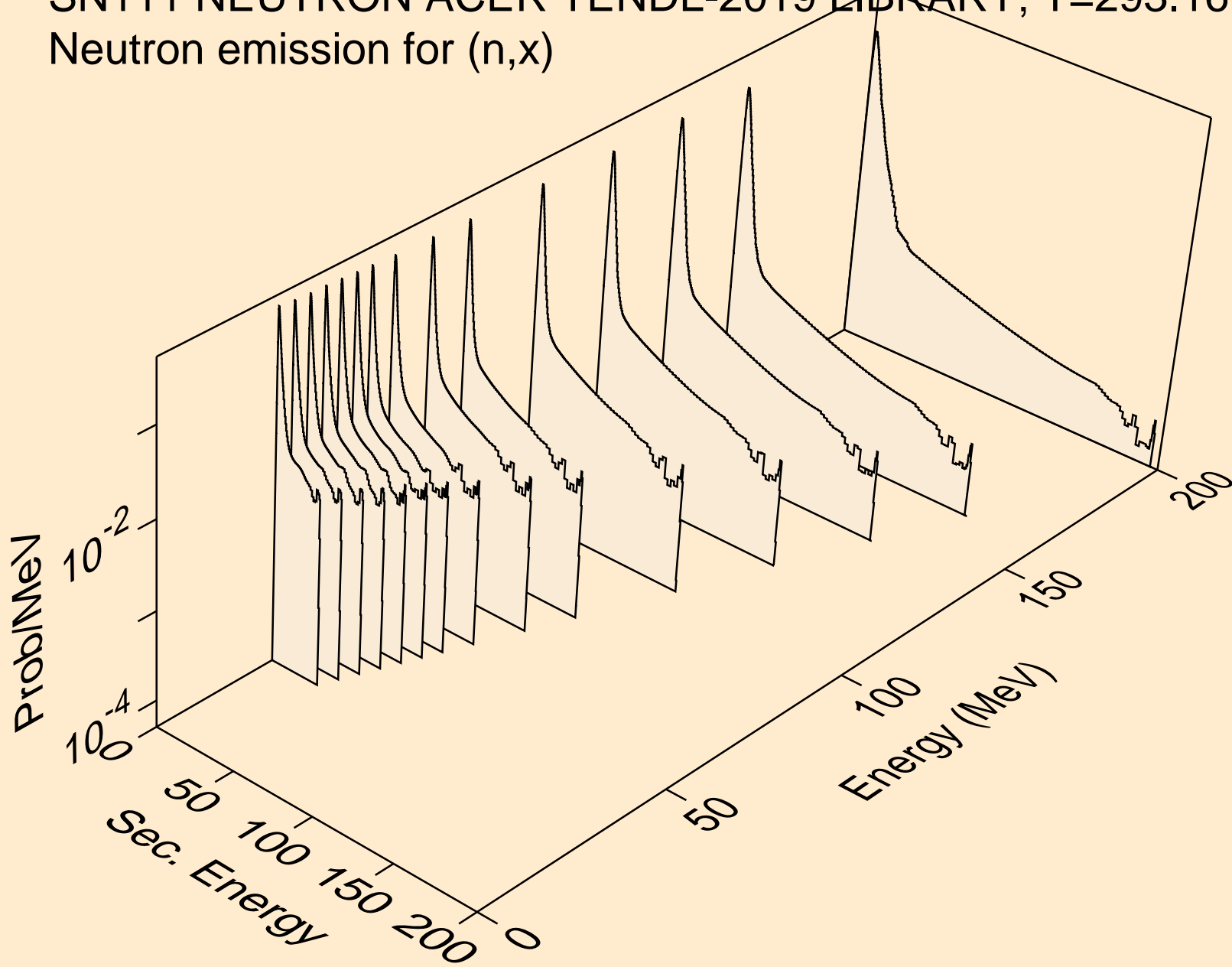
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*29)



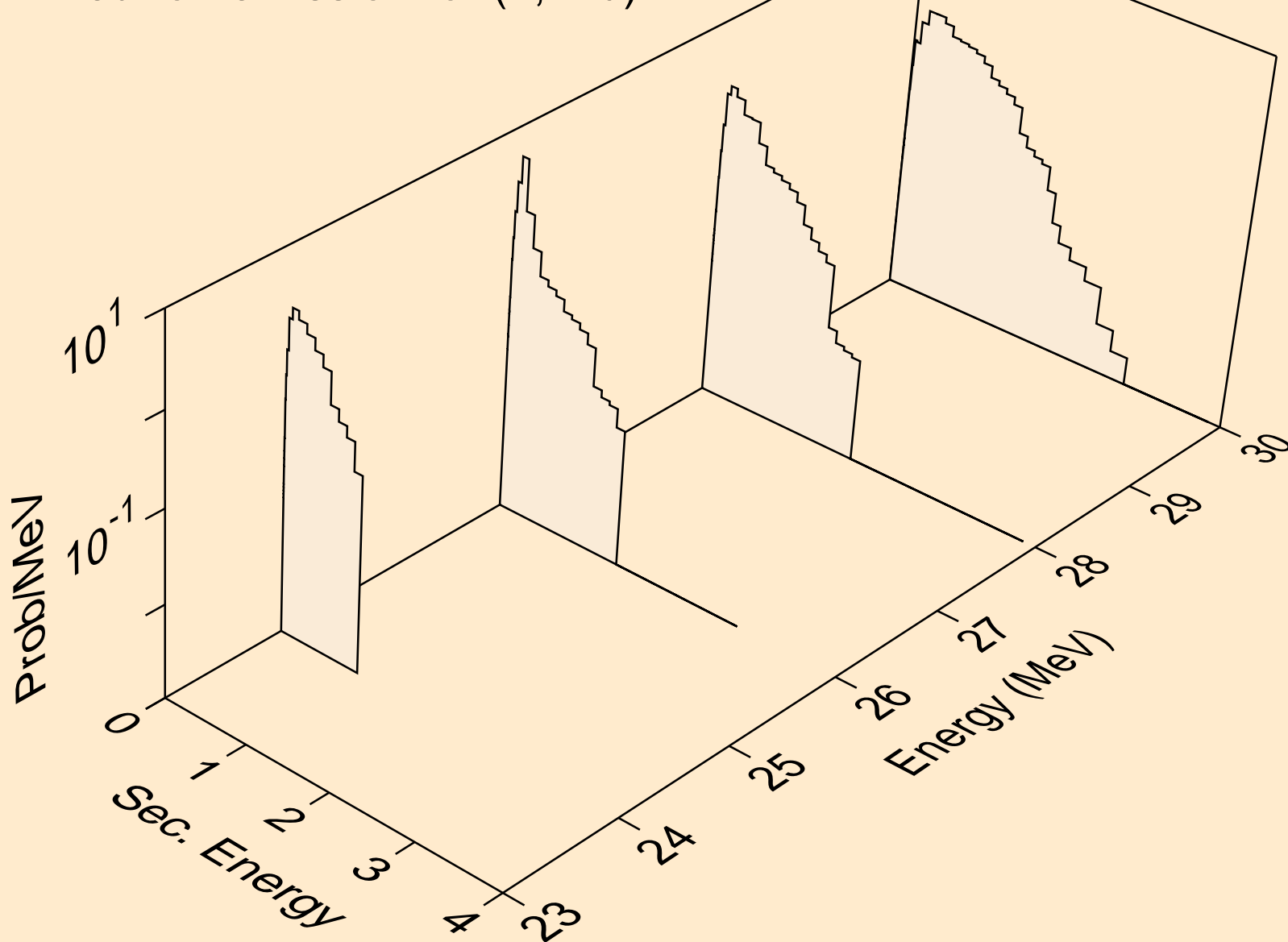
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*30)



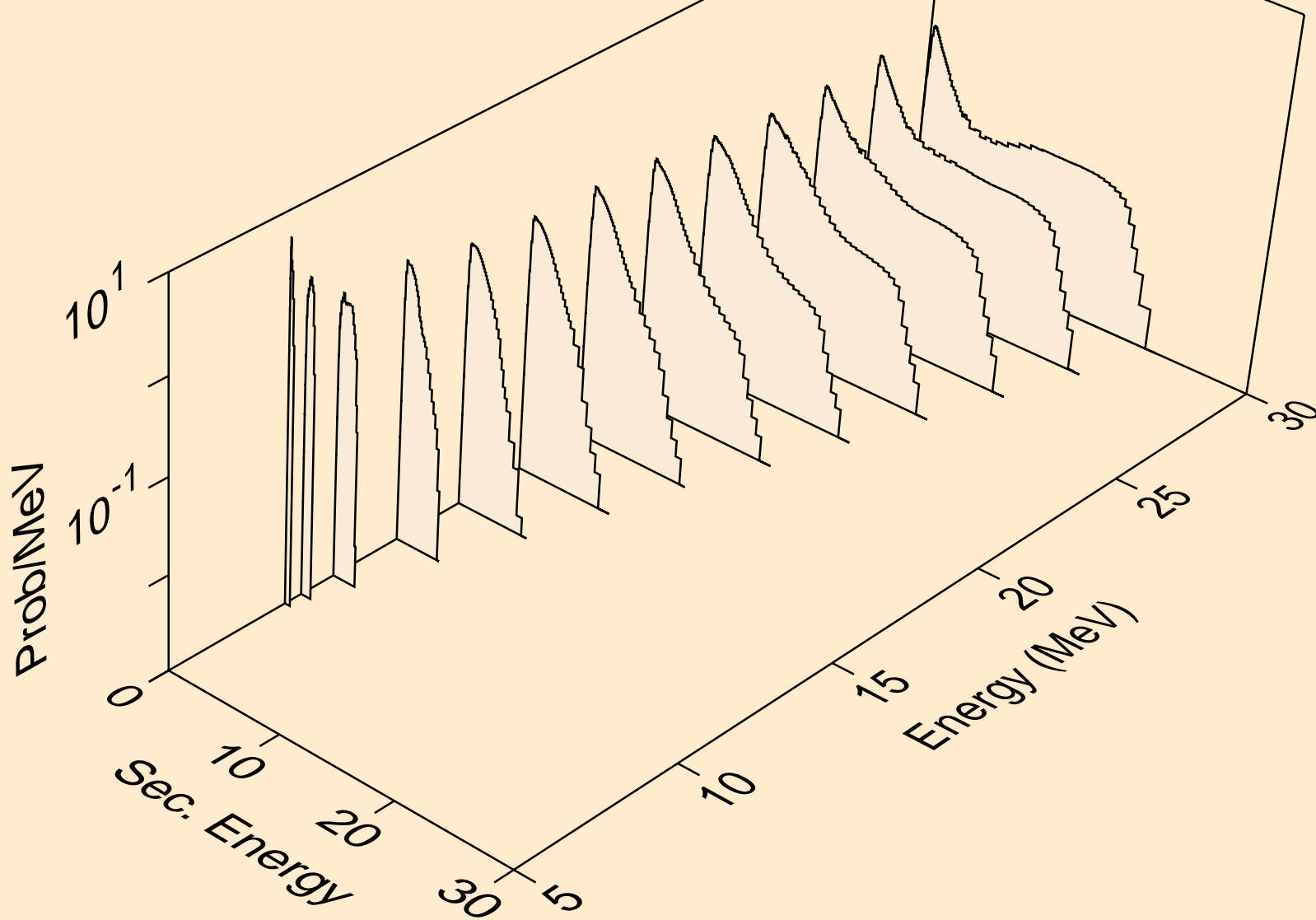
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)

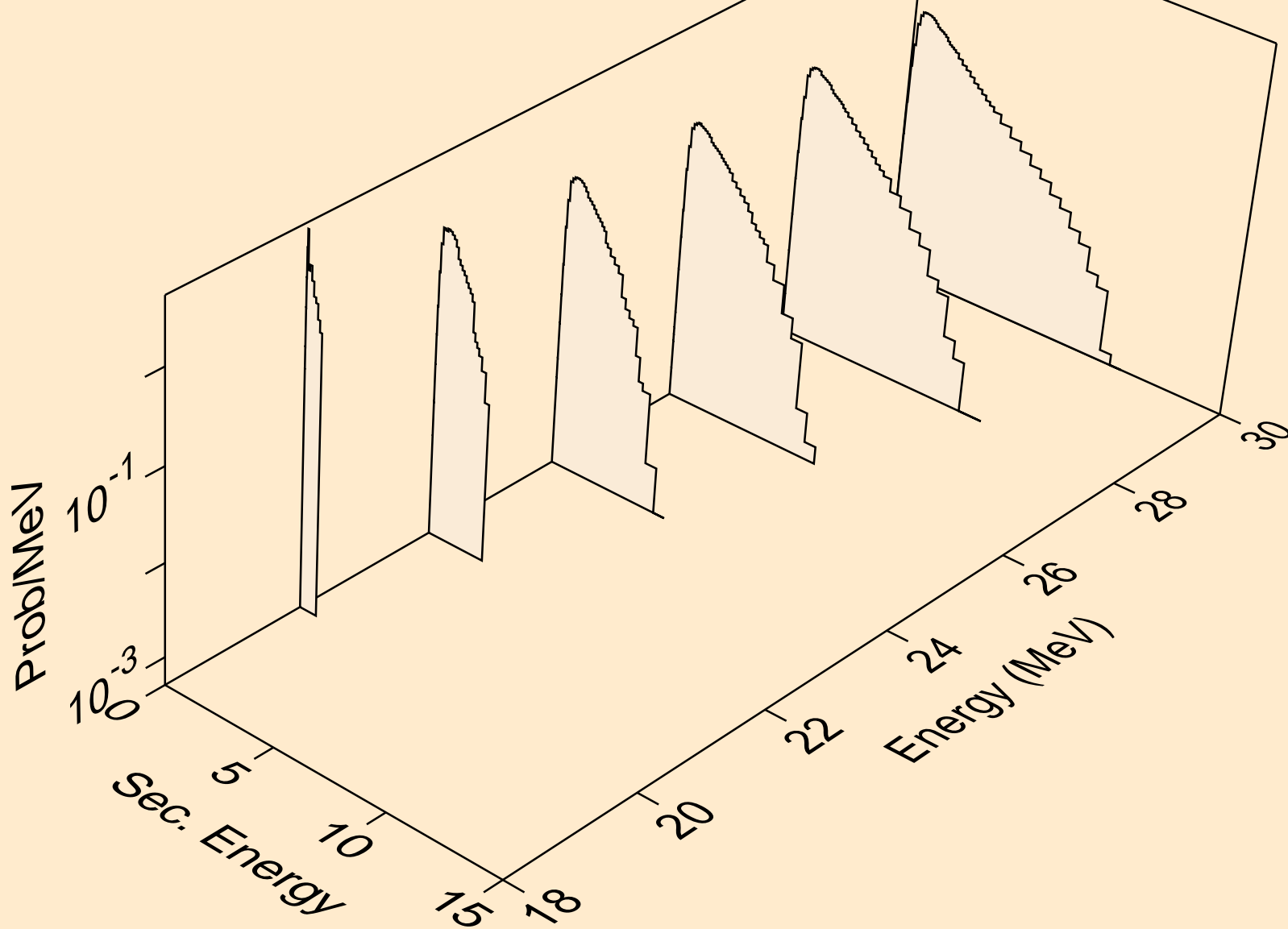


SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)

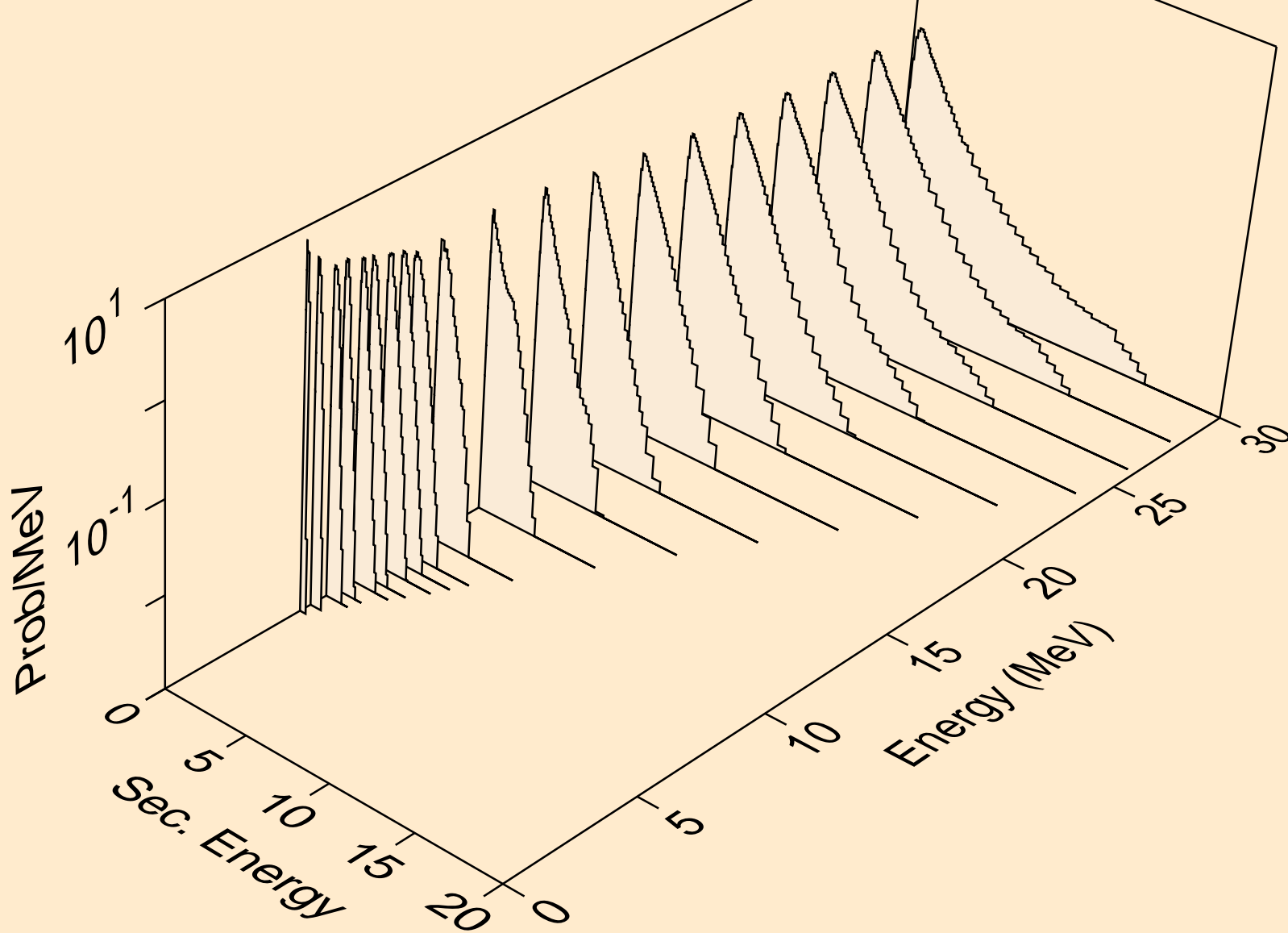




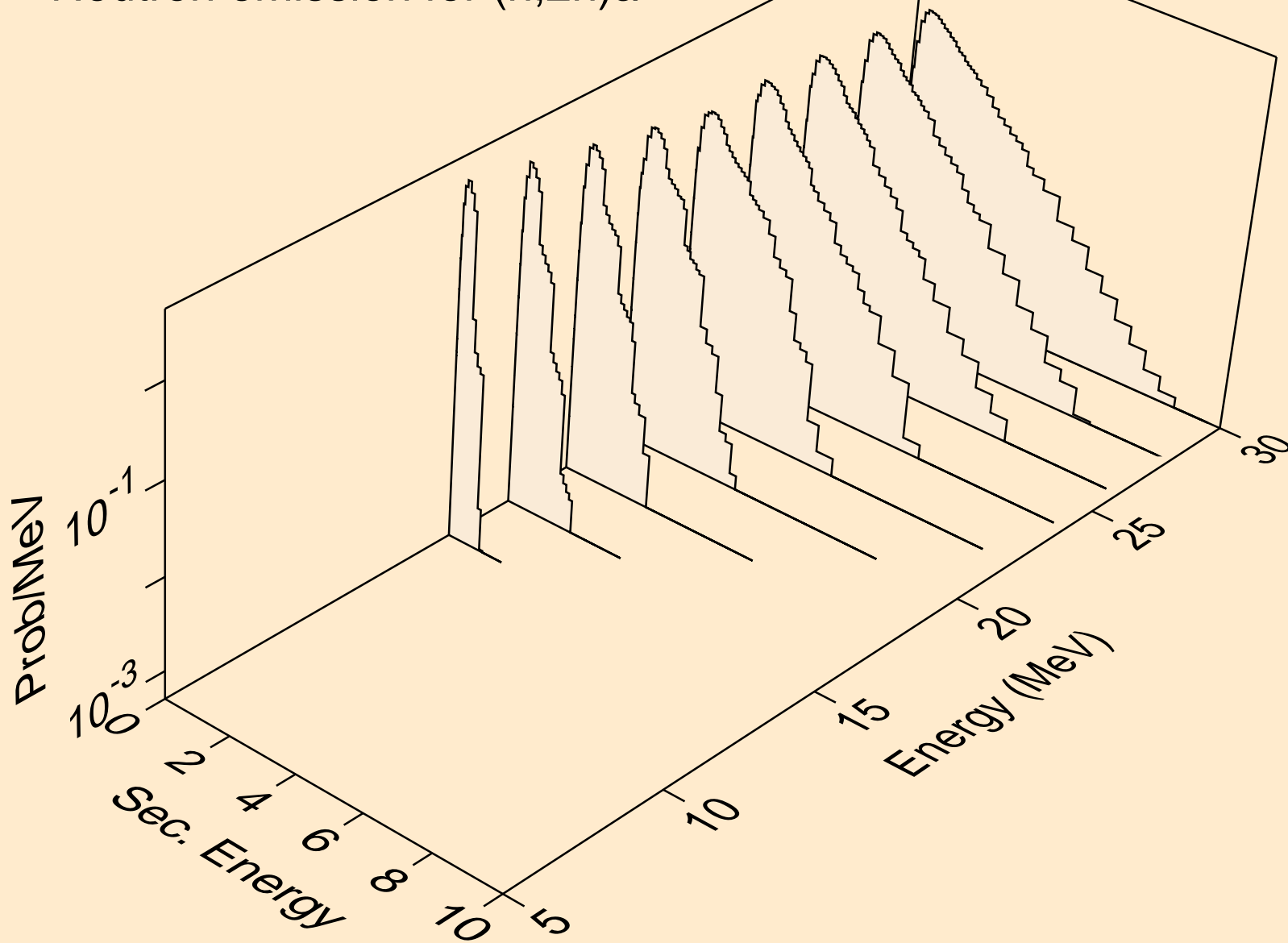
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)



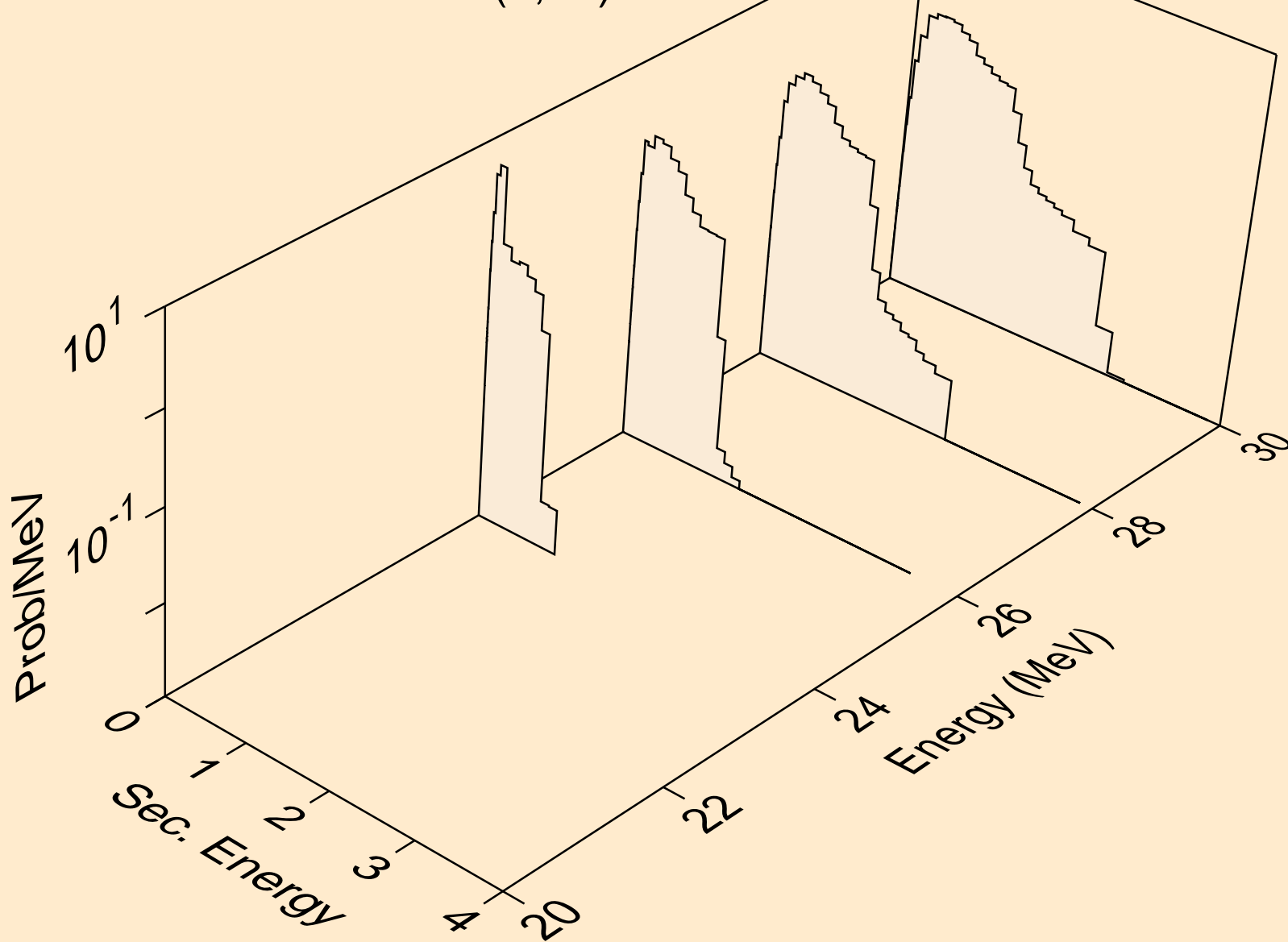
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



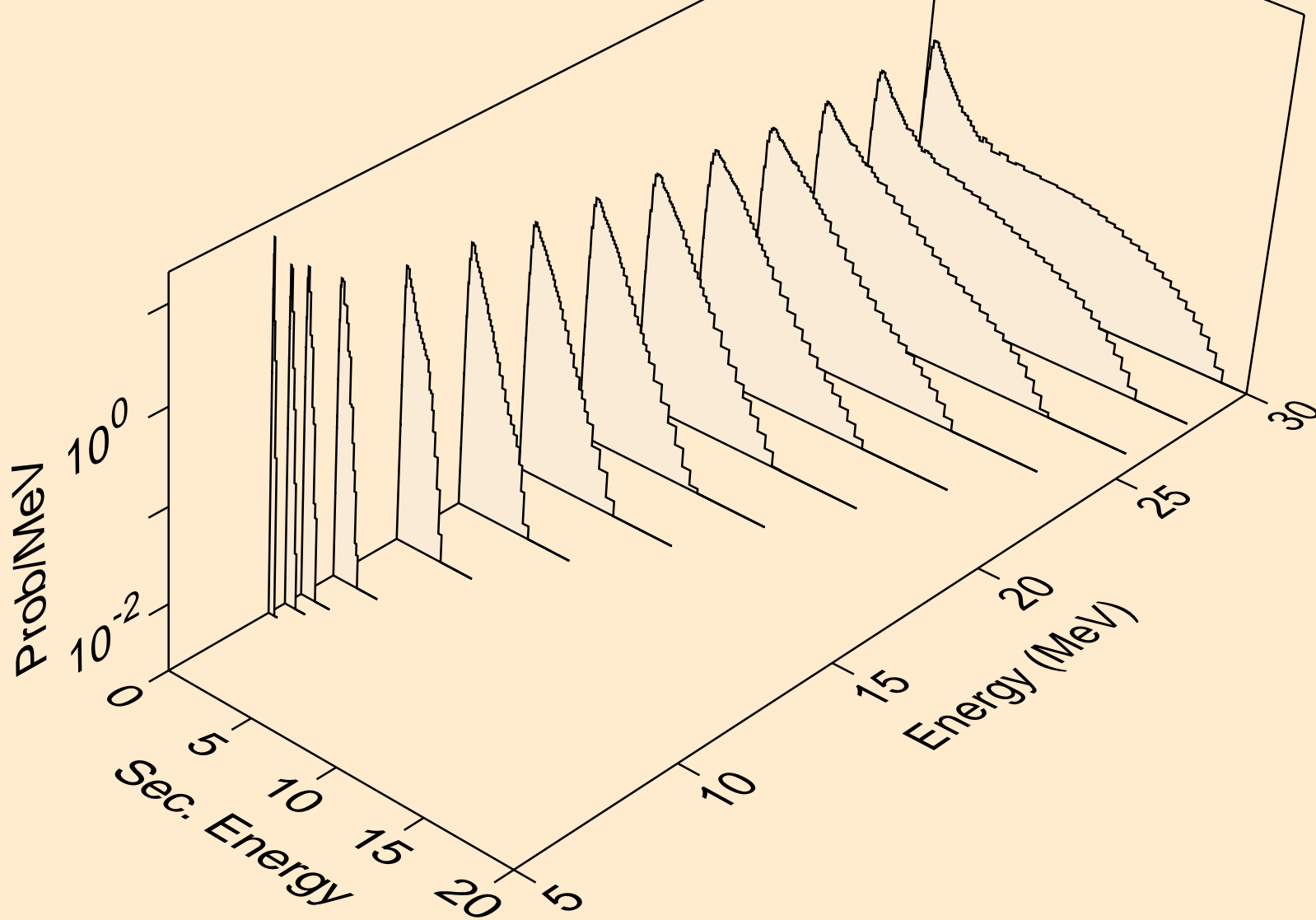
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a



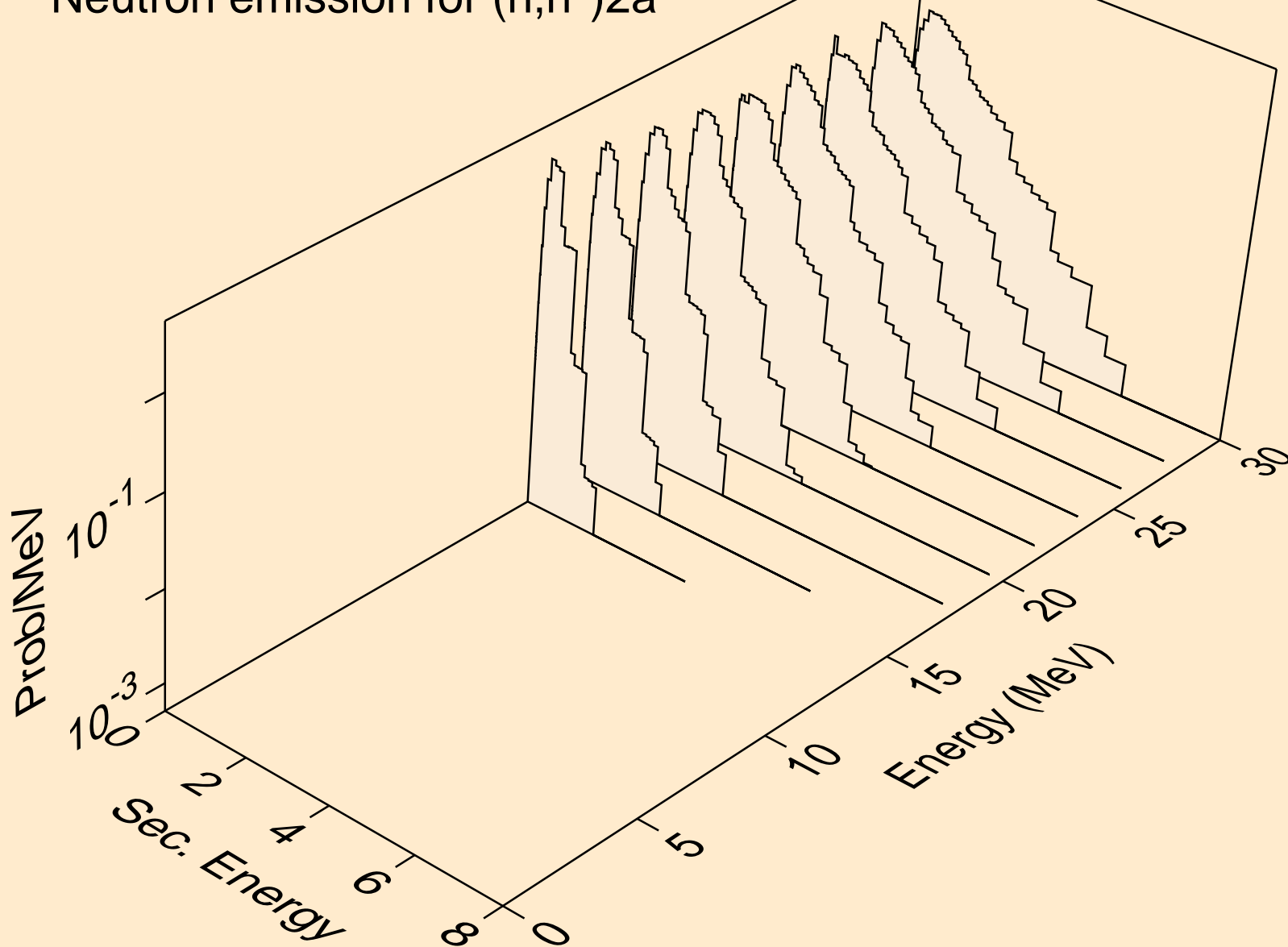
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



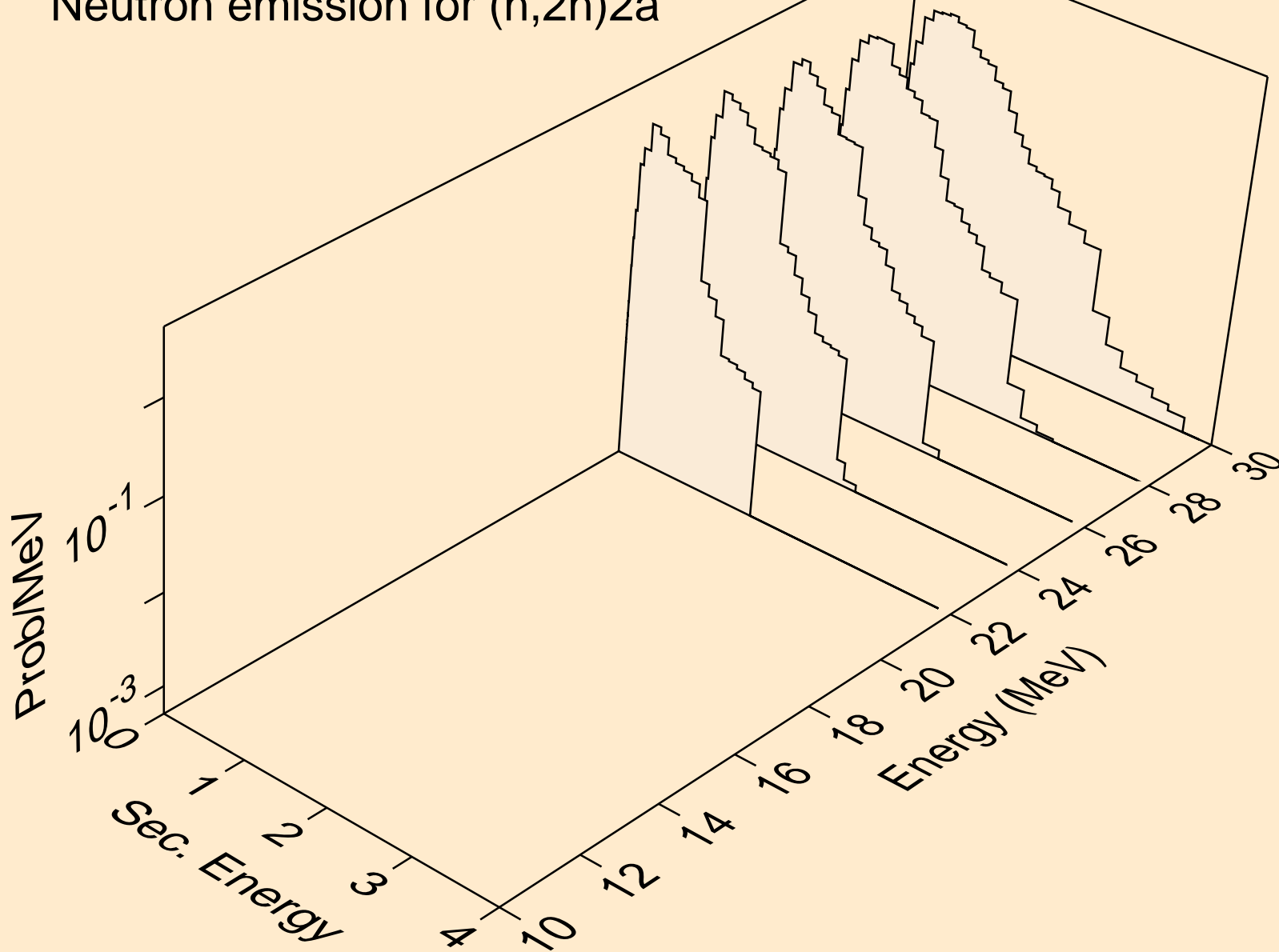
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



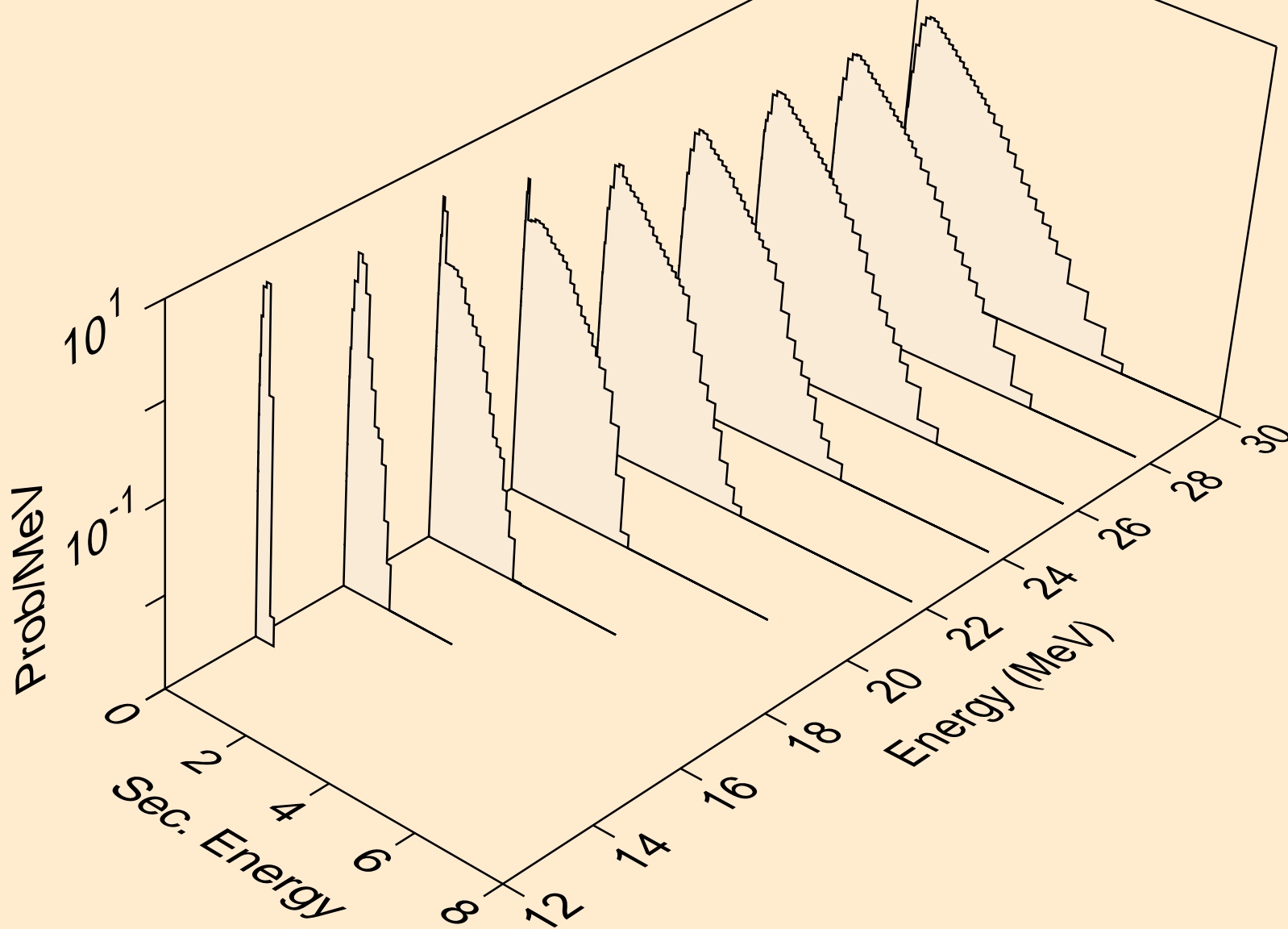
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)2a



SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)2a

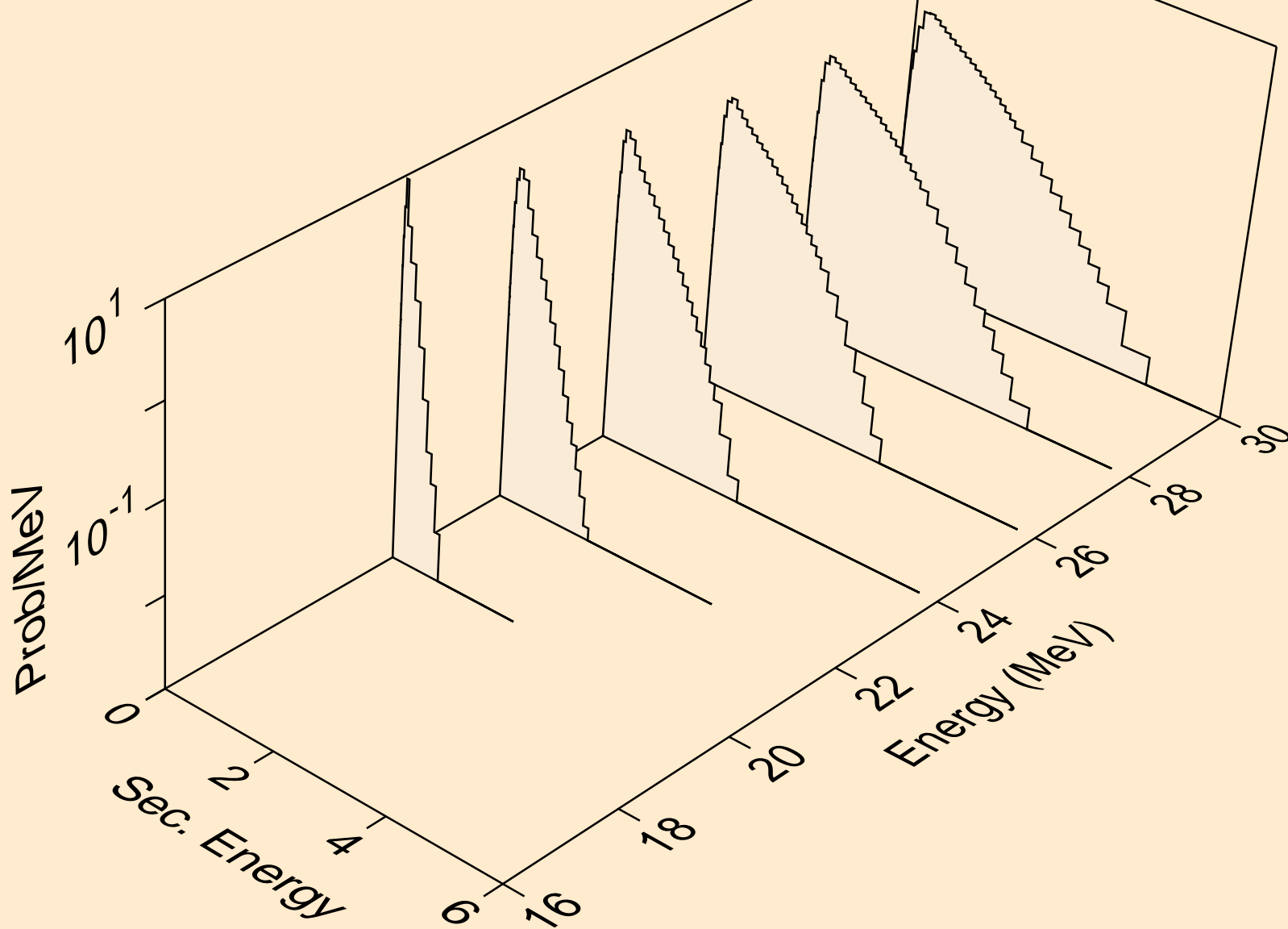


SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d

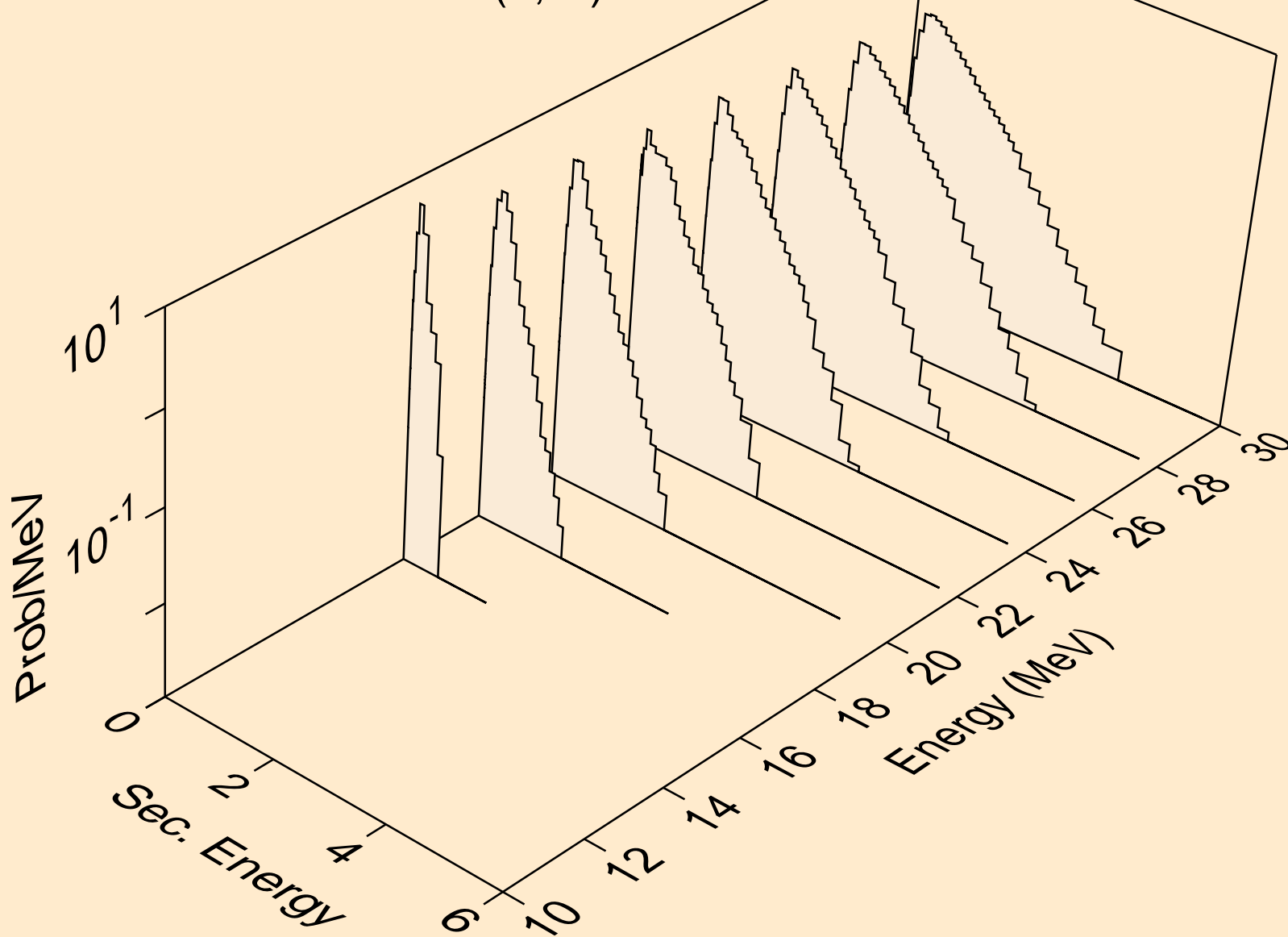




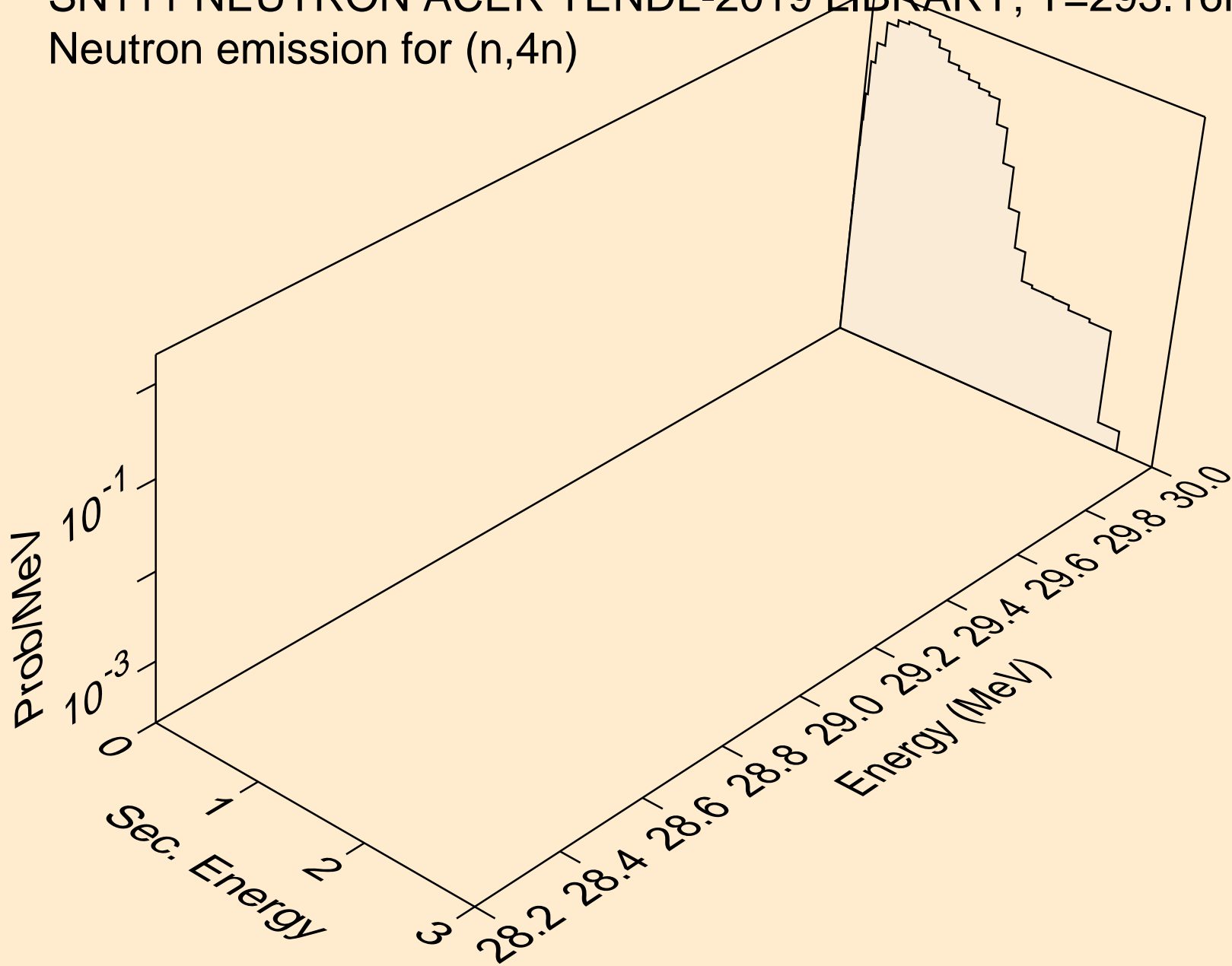
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



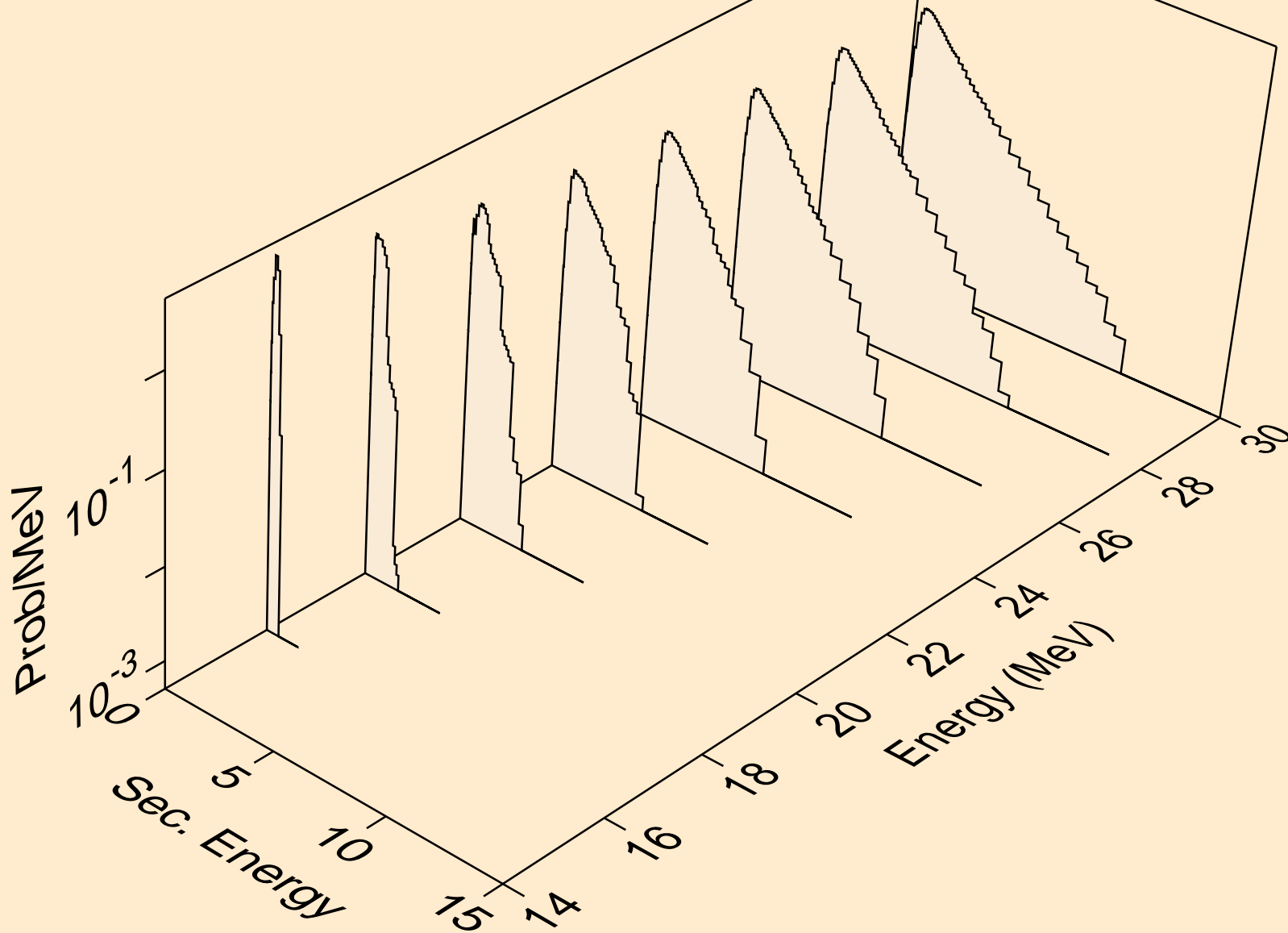
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



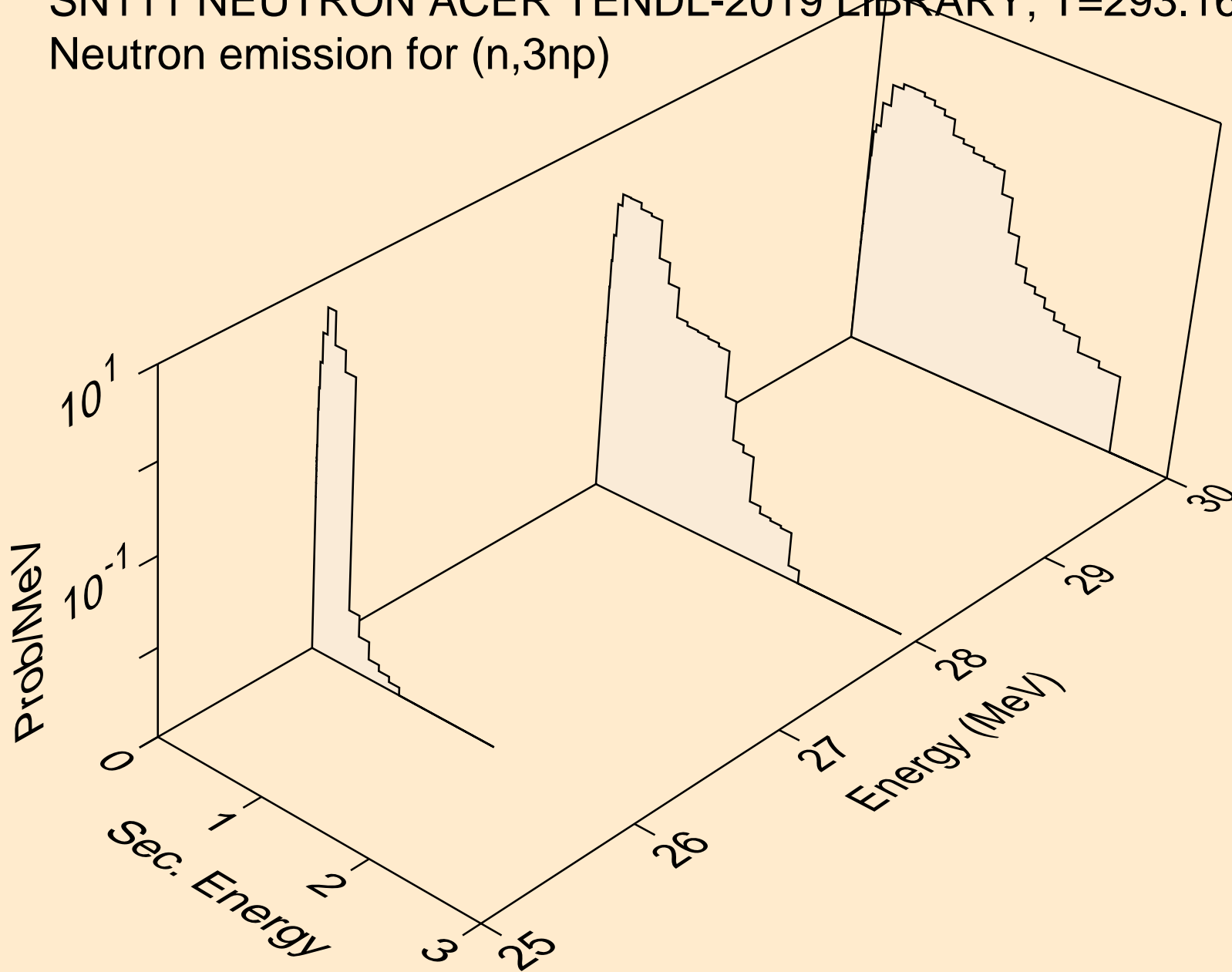
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)



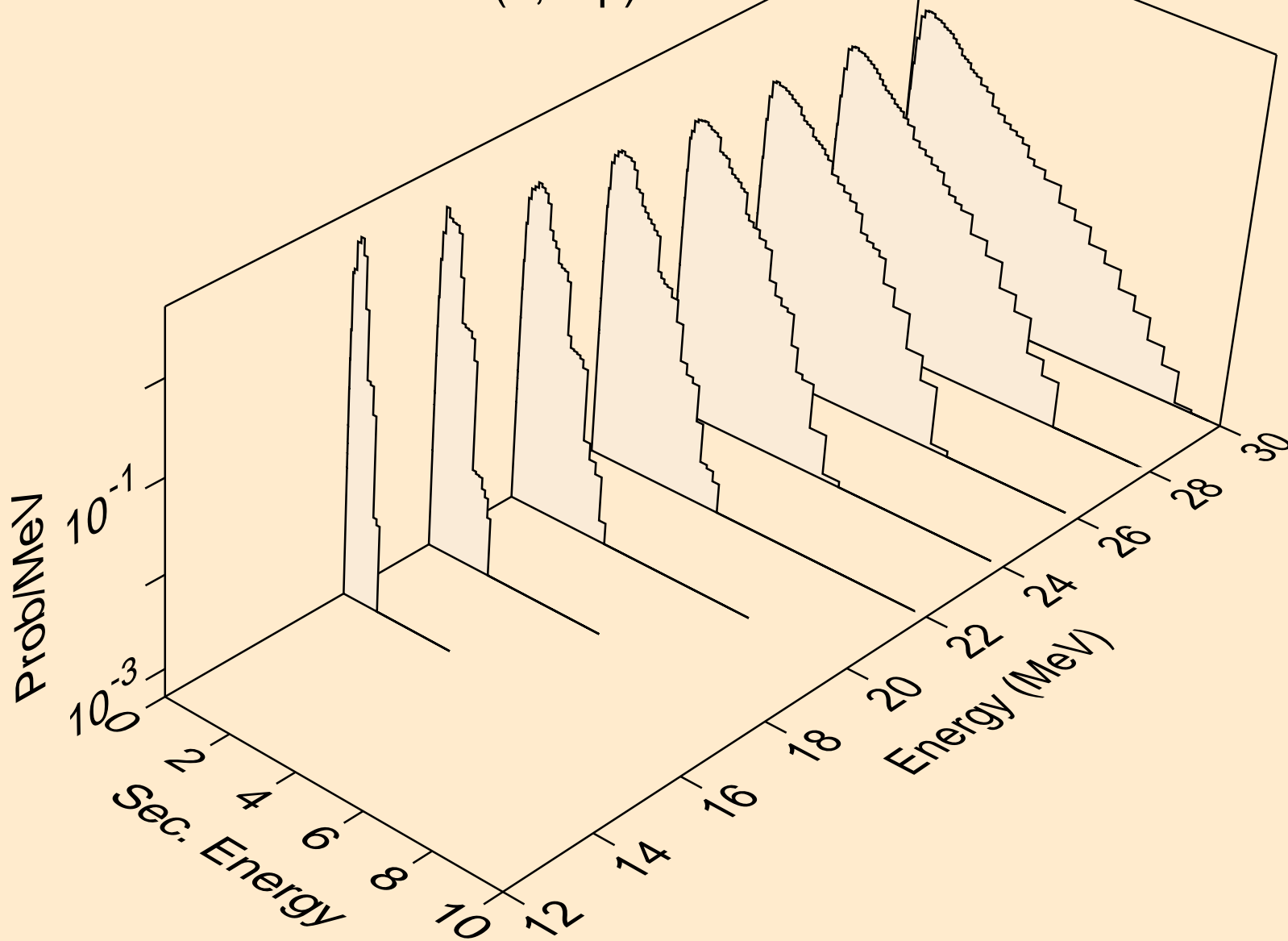
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



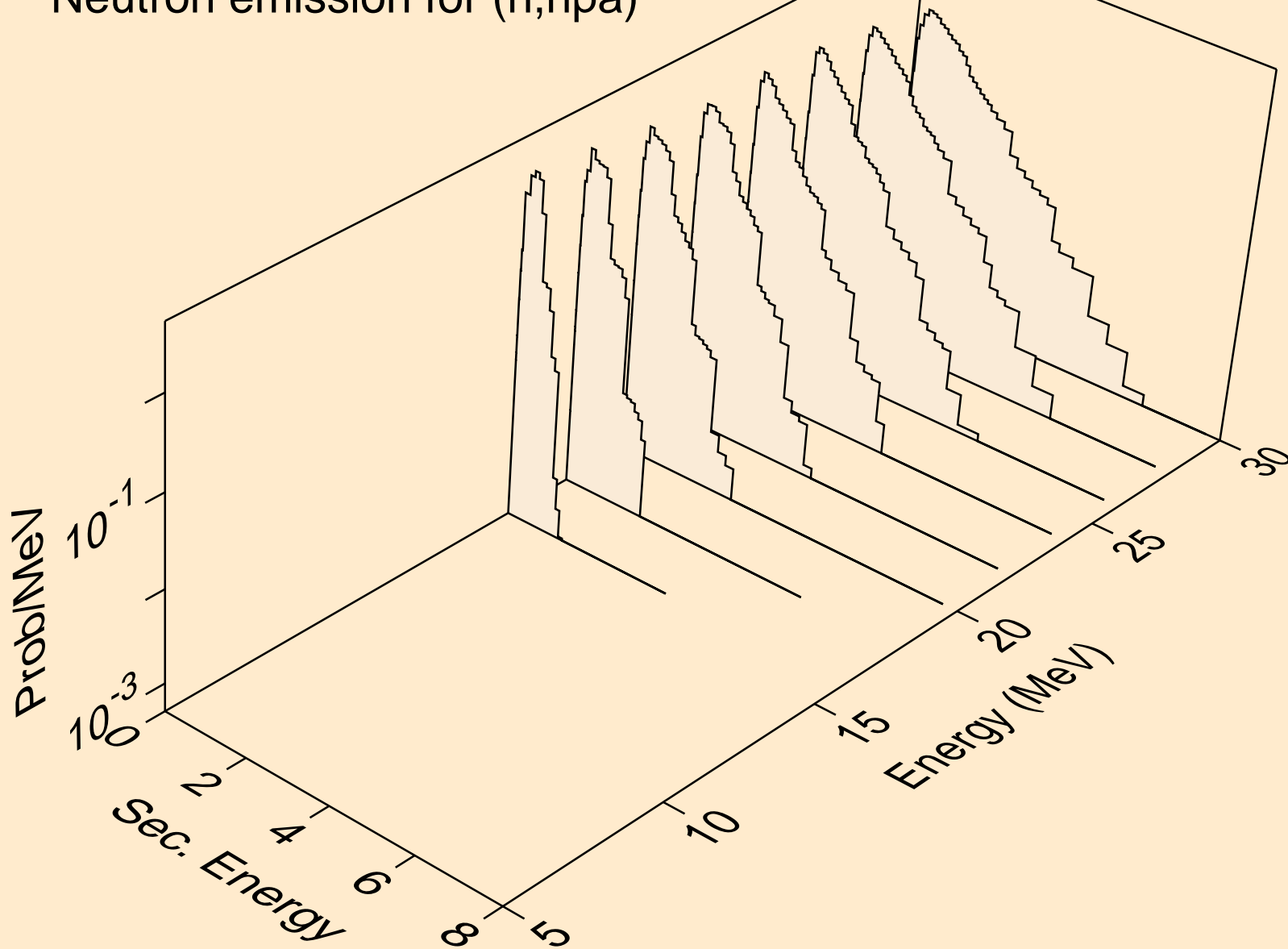
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)



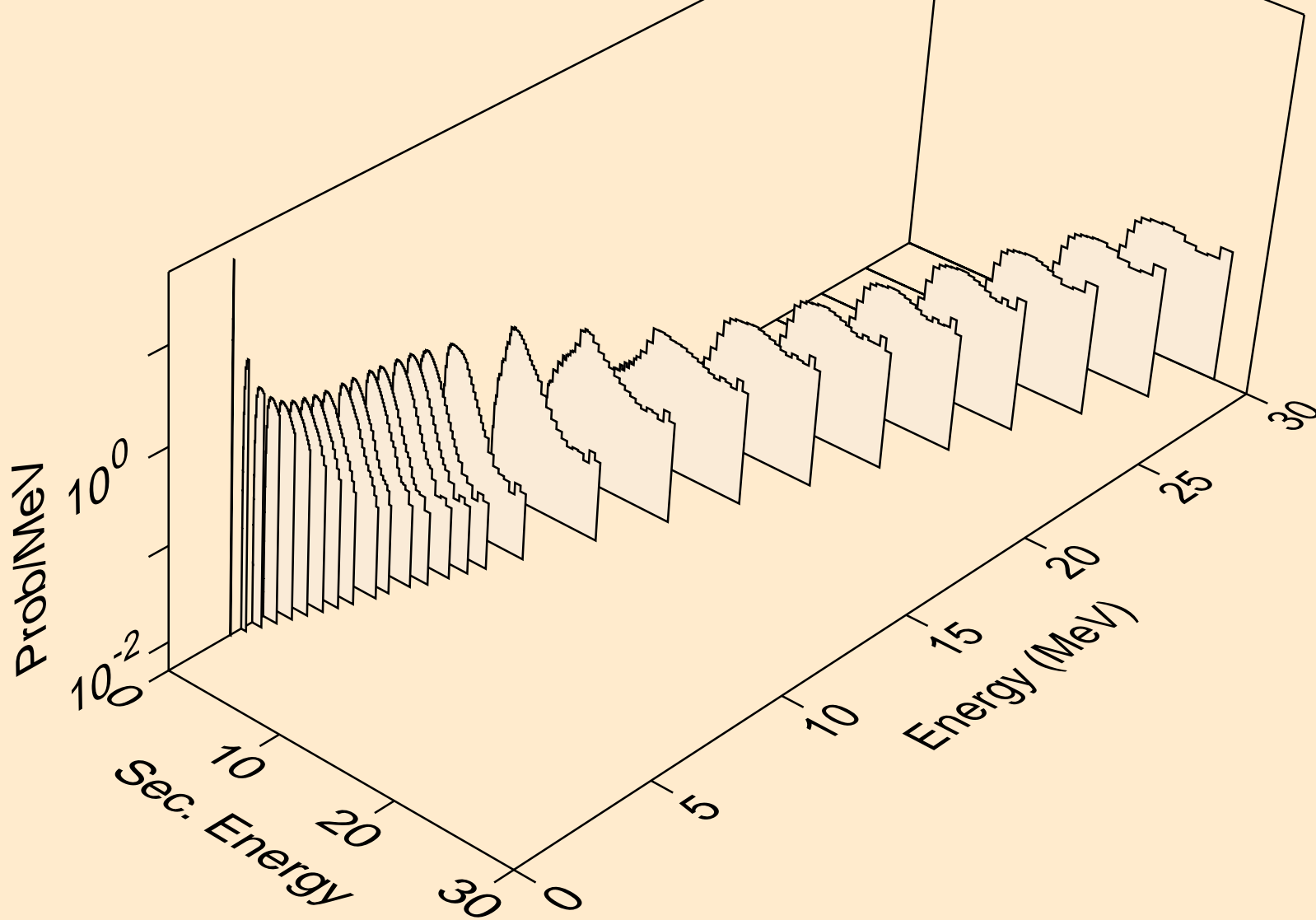
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,npa)

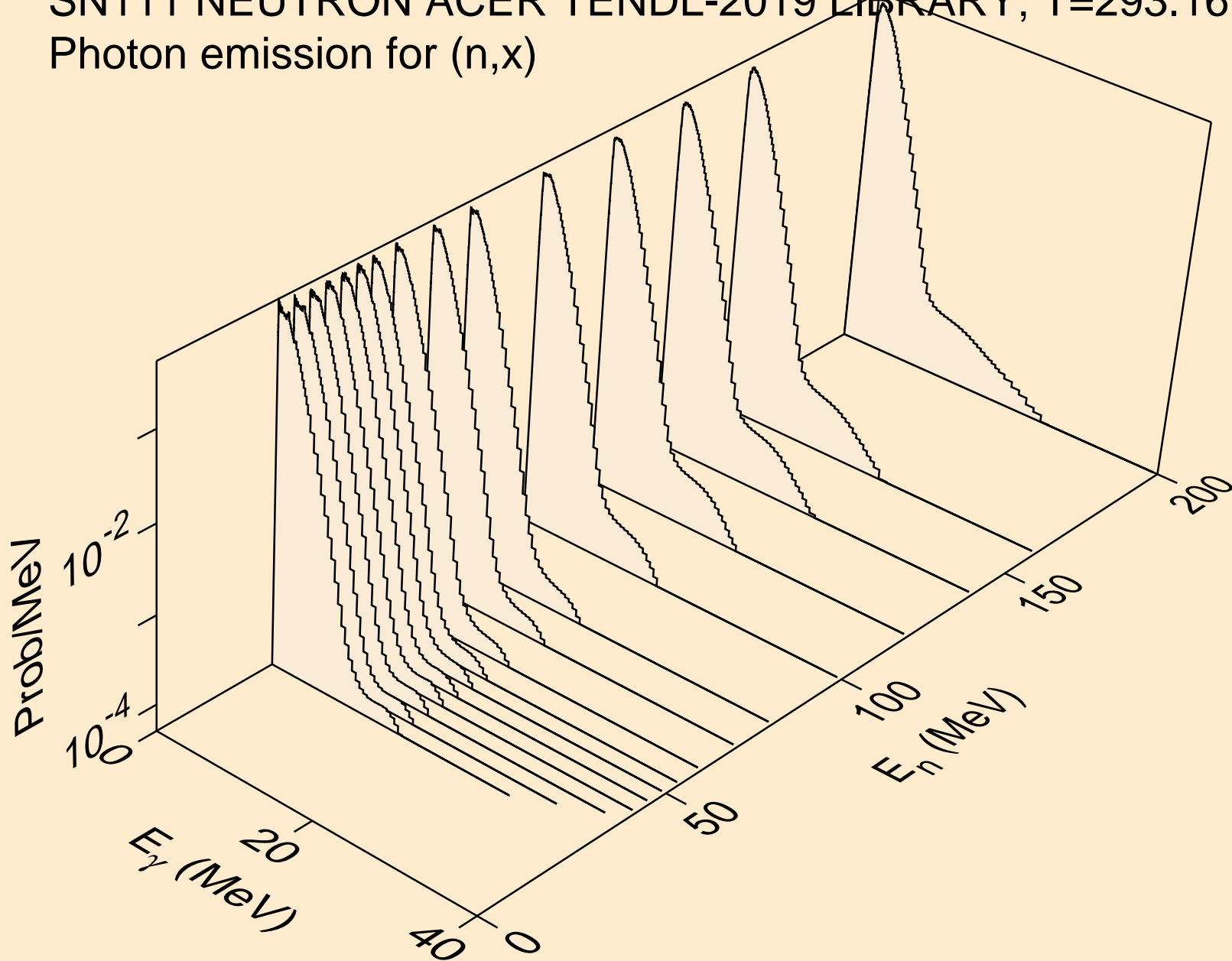


SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)

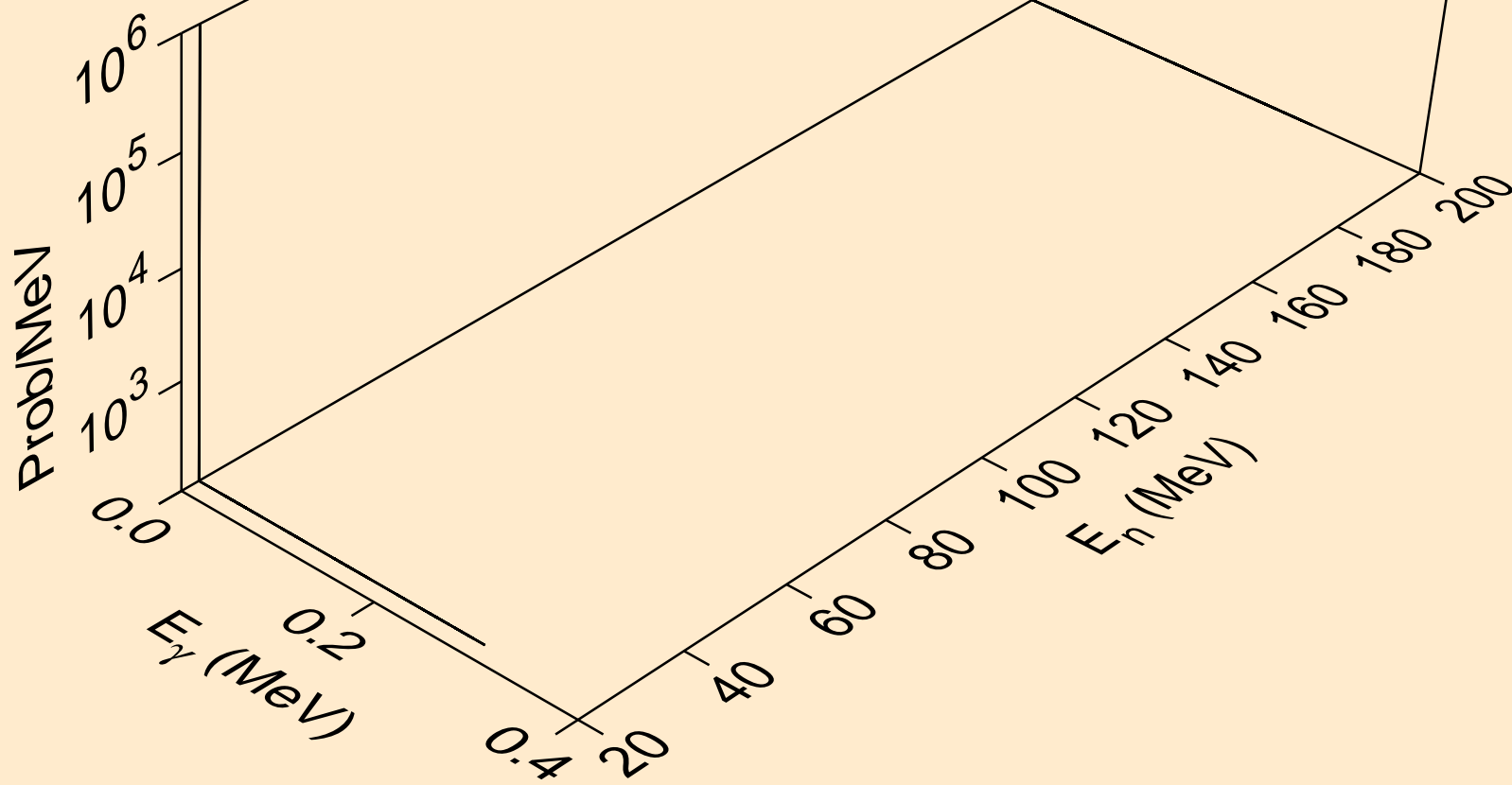




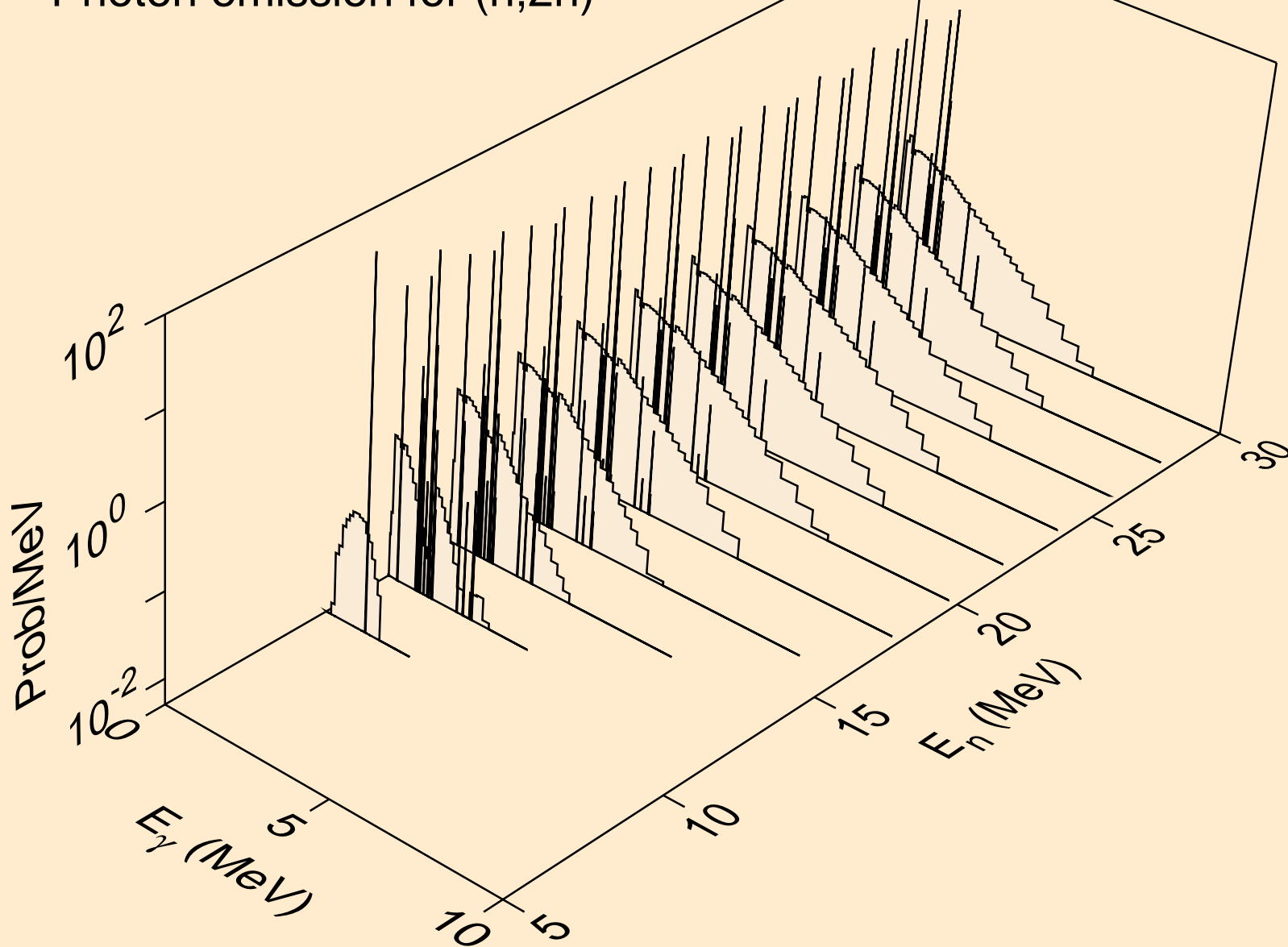
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)



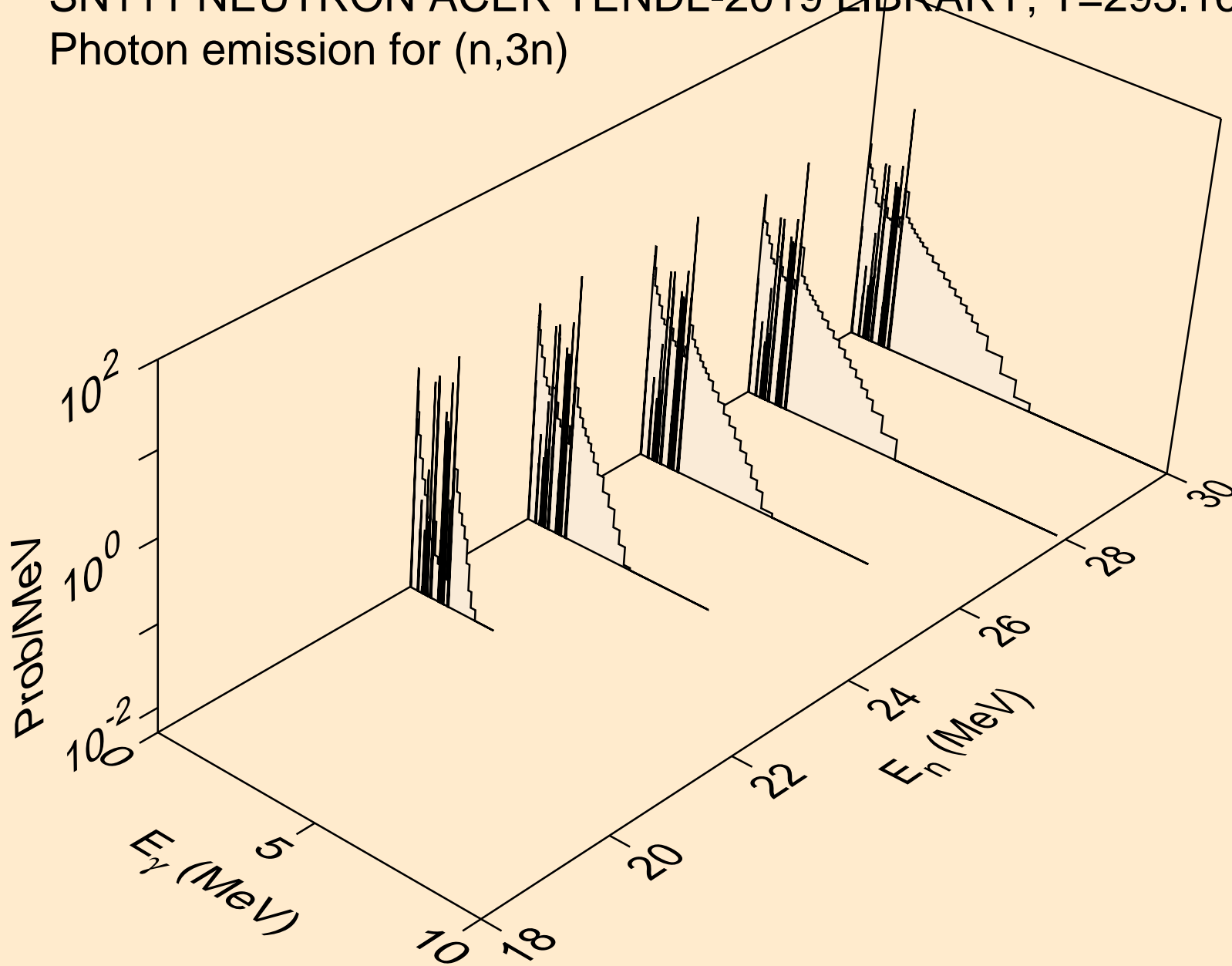
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)



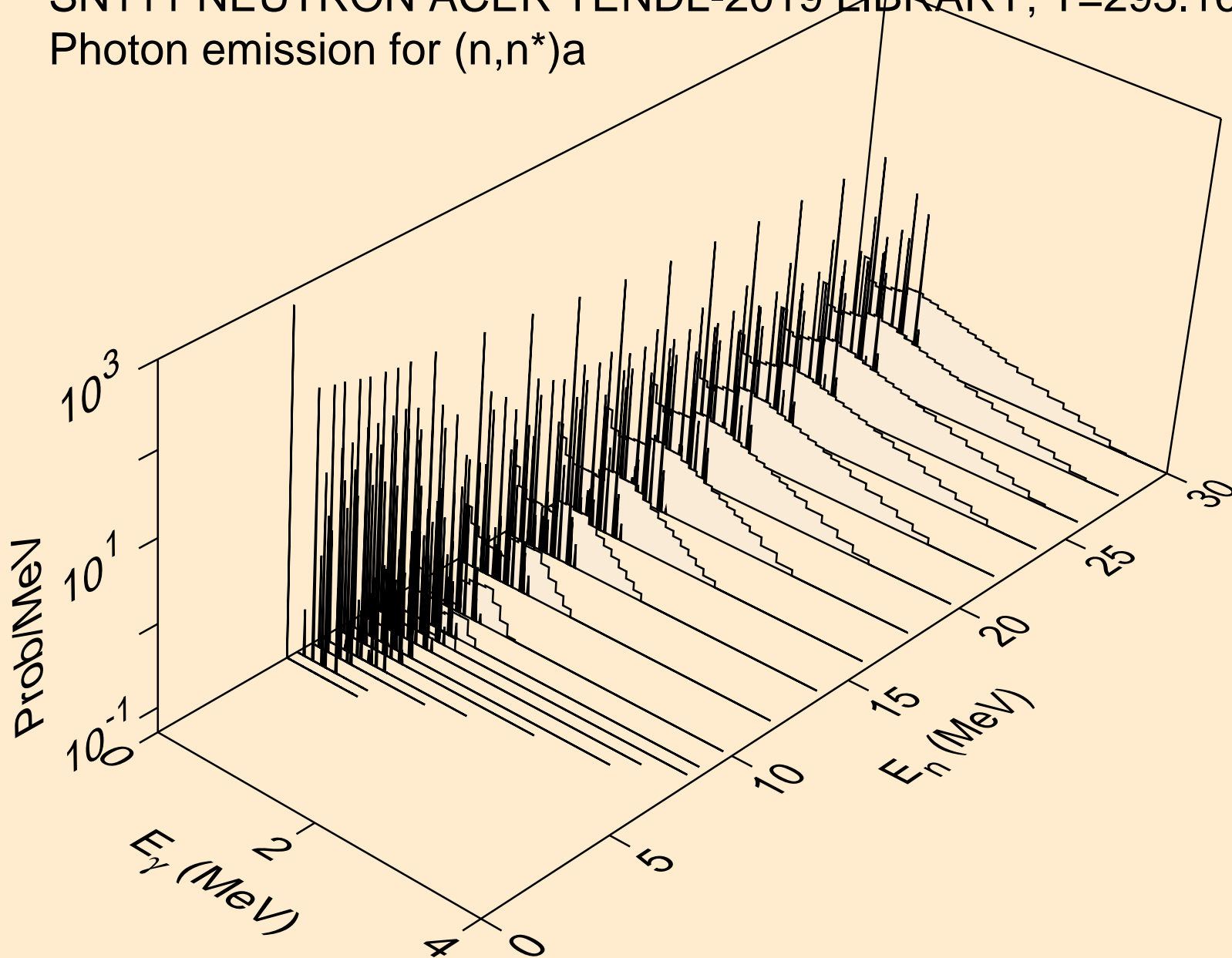
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)



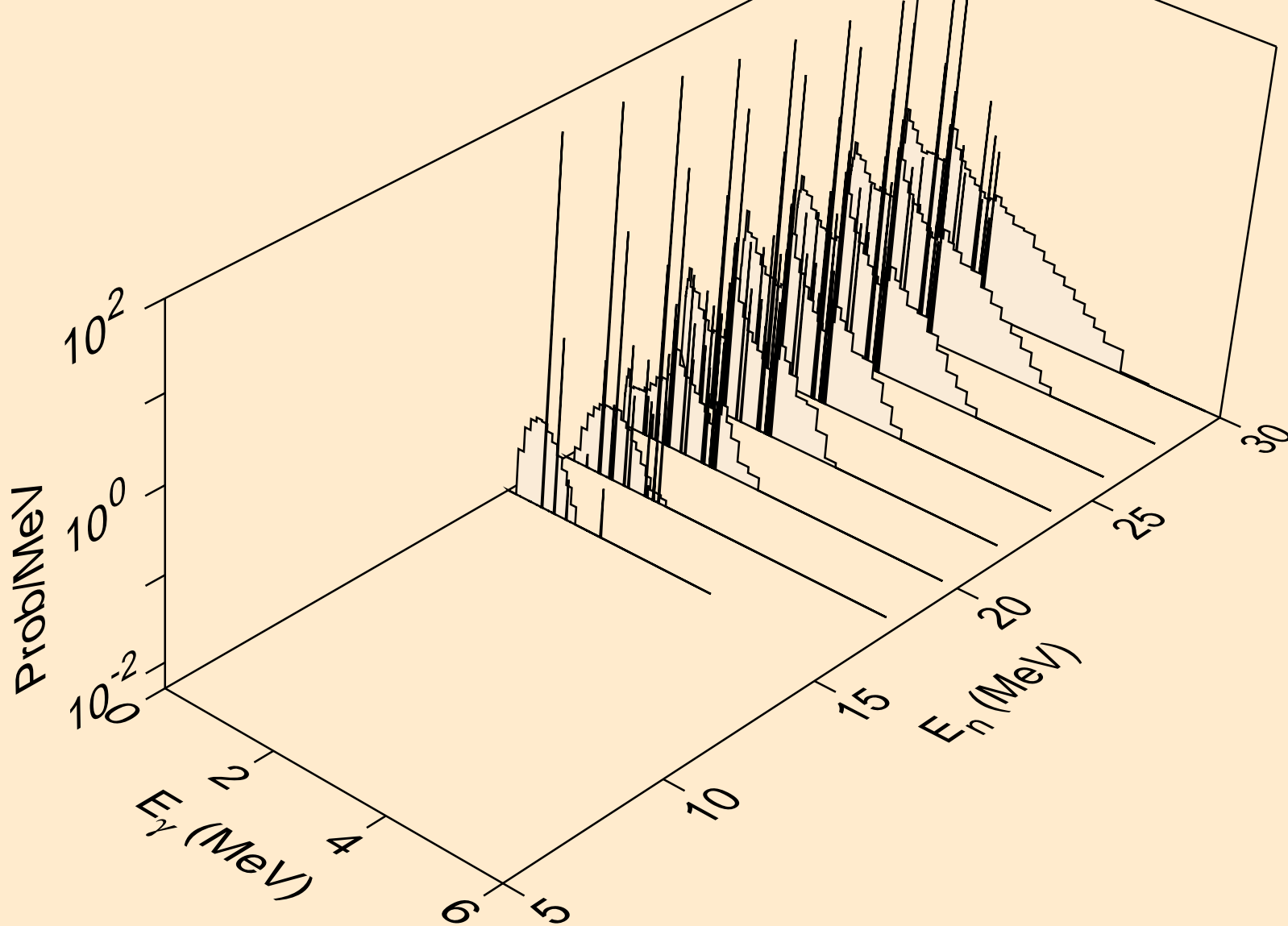
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)



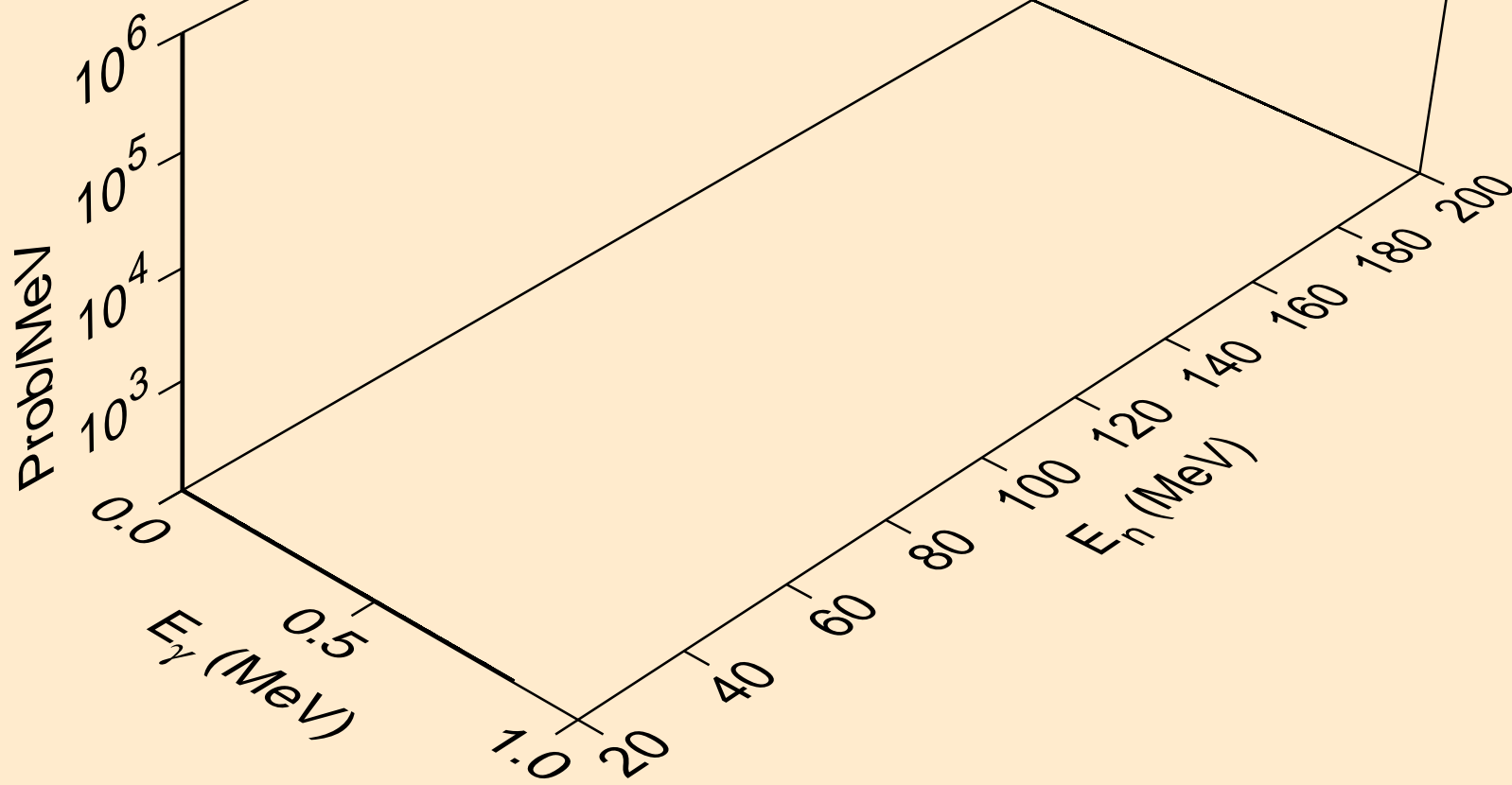
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a



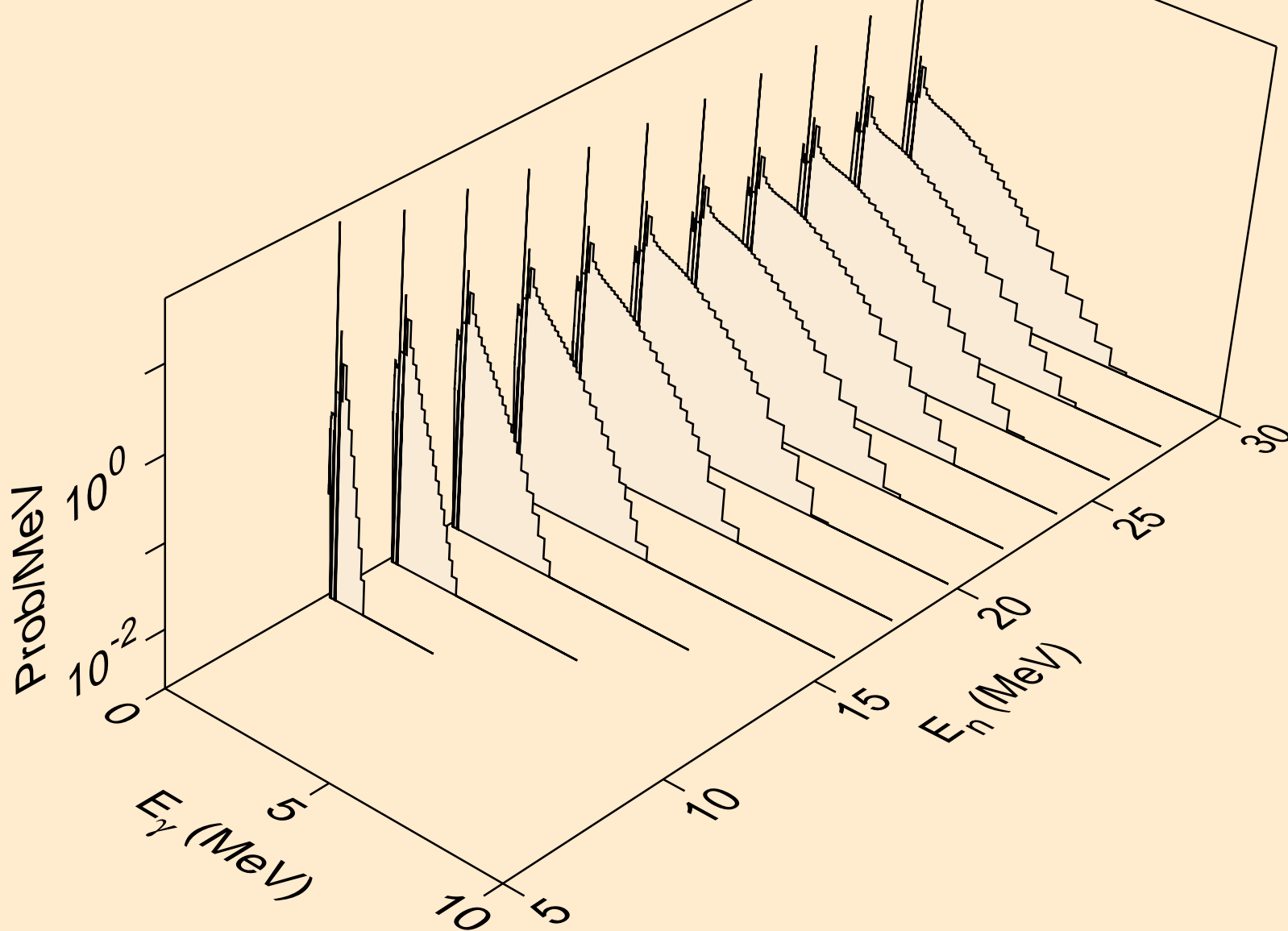
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)a



SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a

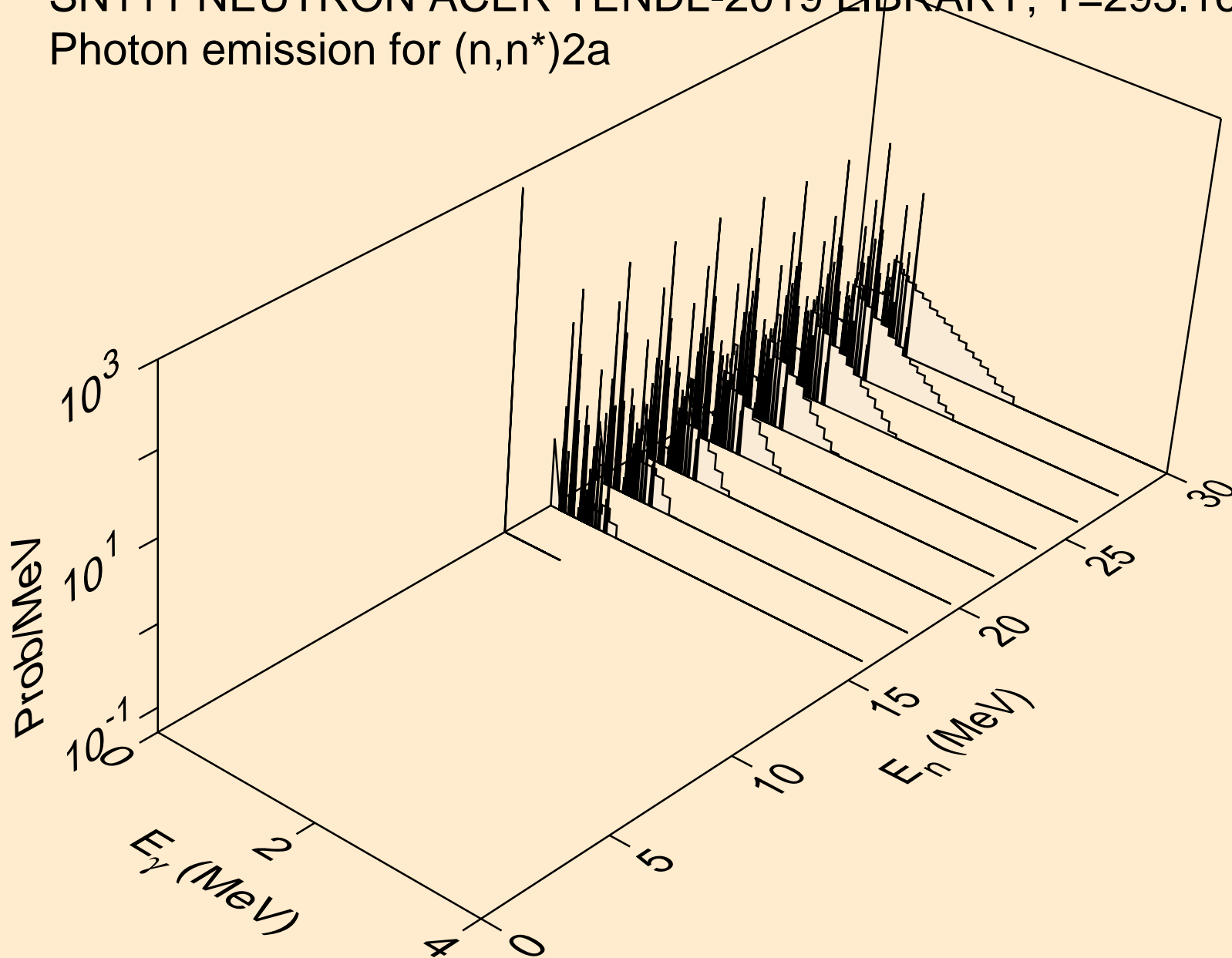


SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p

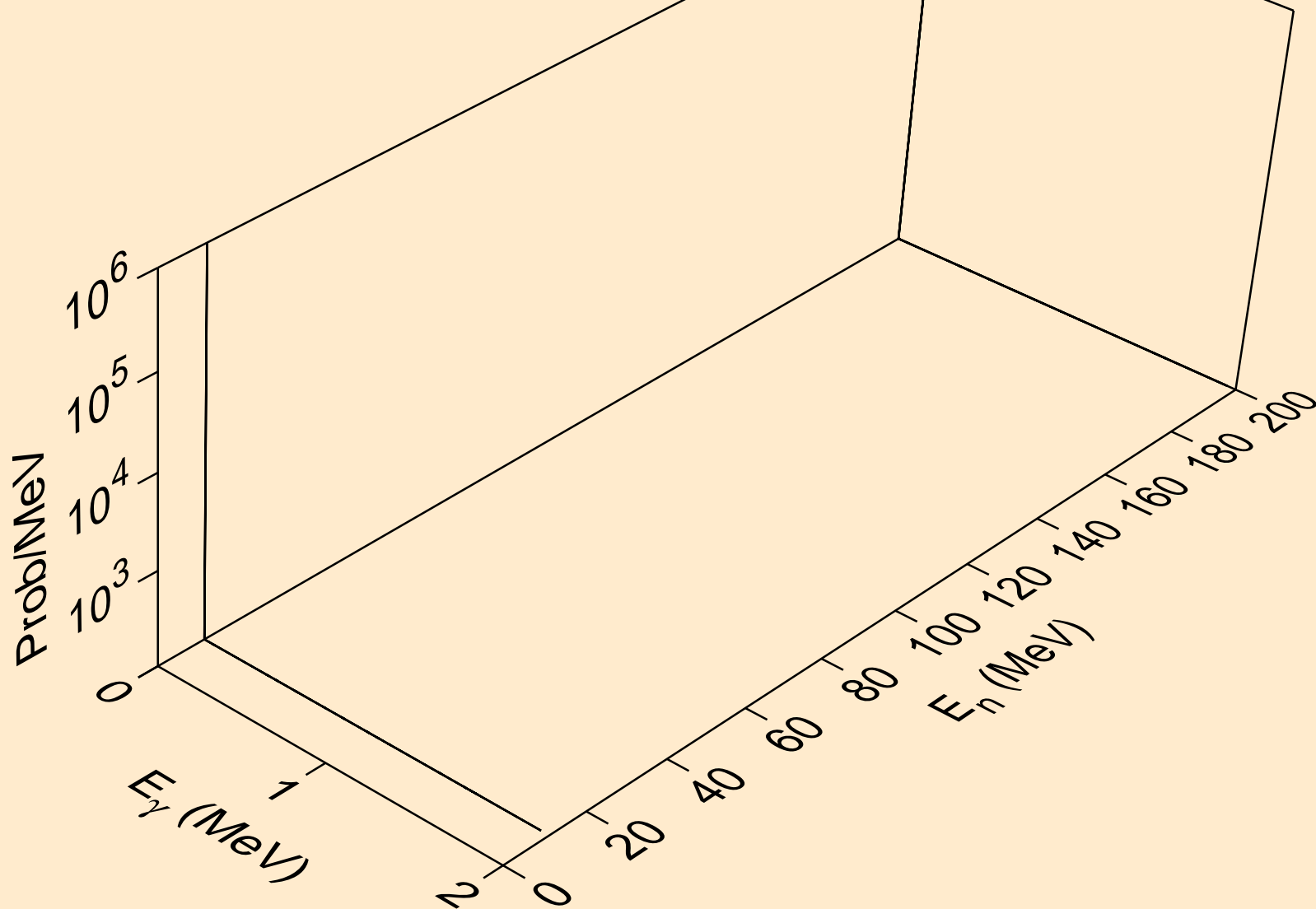




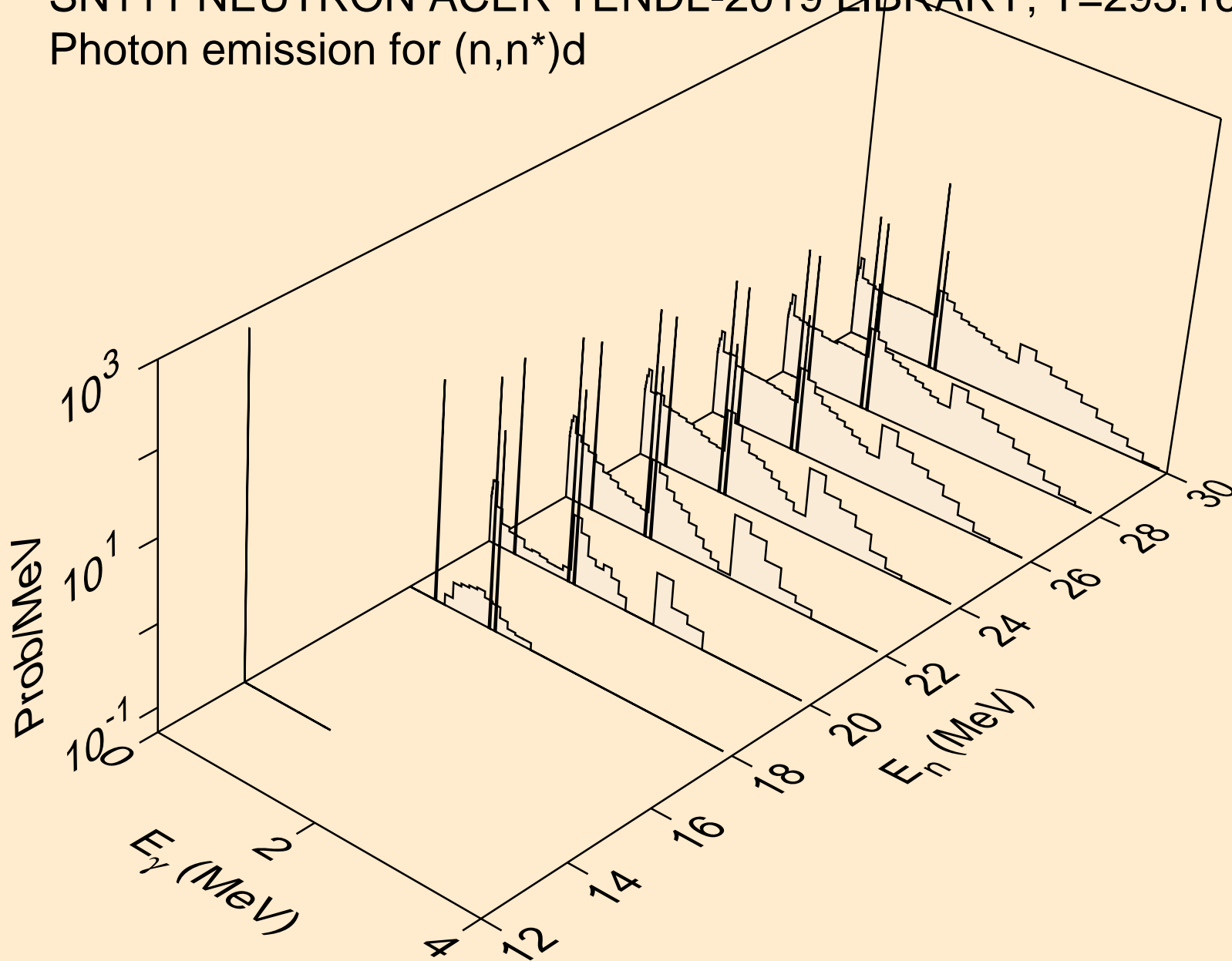
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)2a



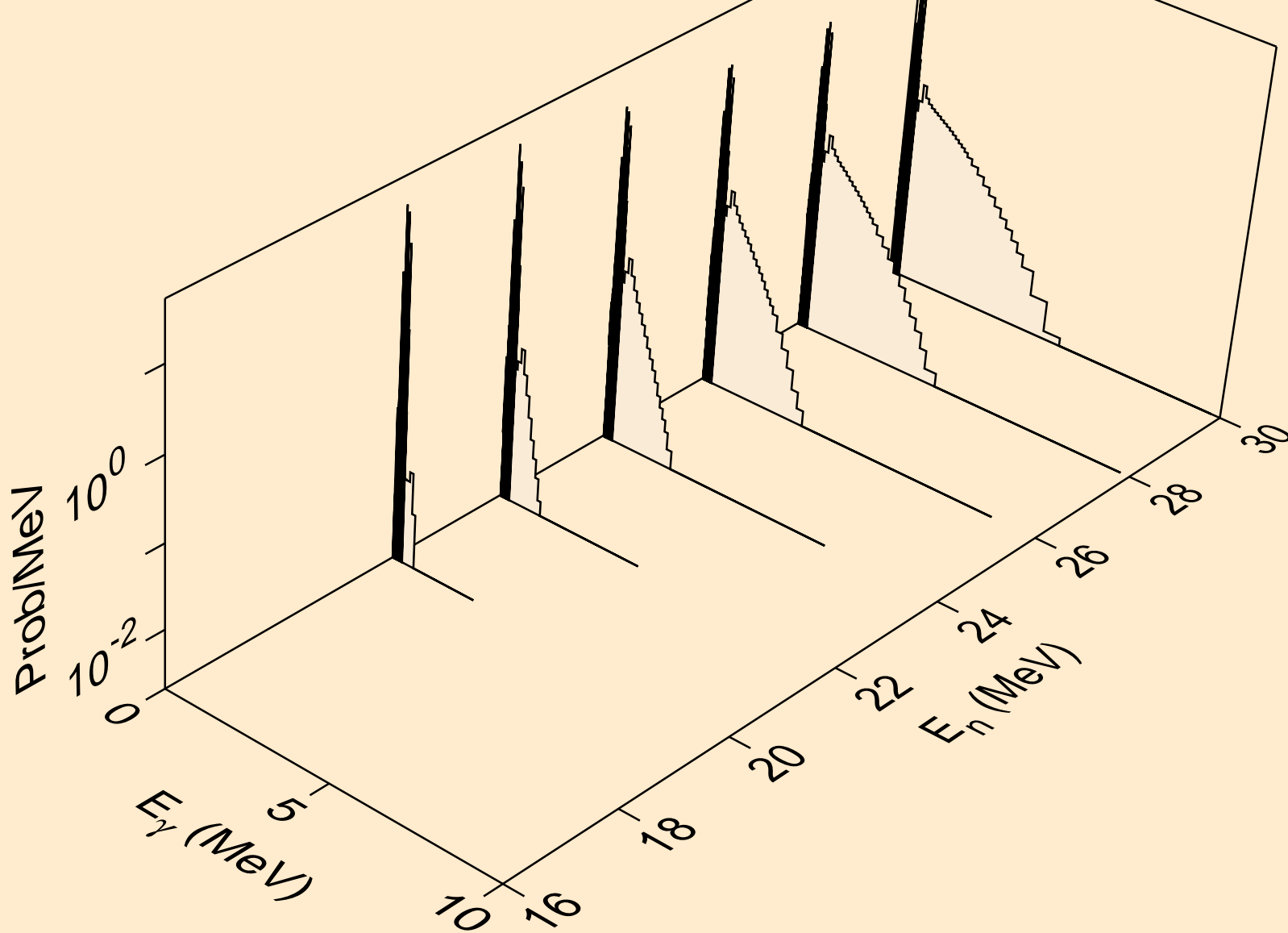
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)2a



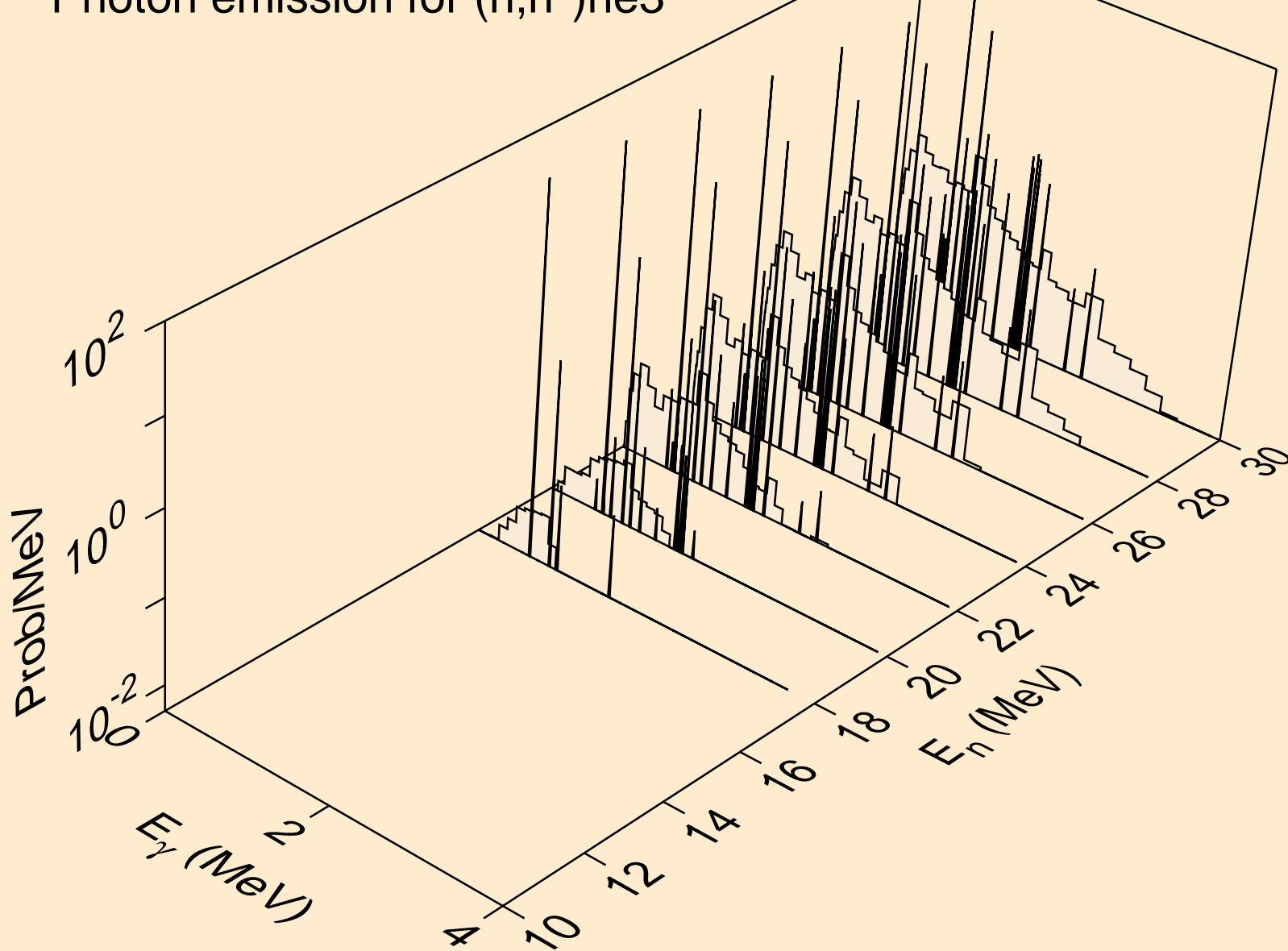
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d



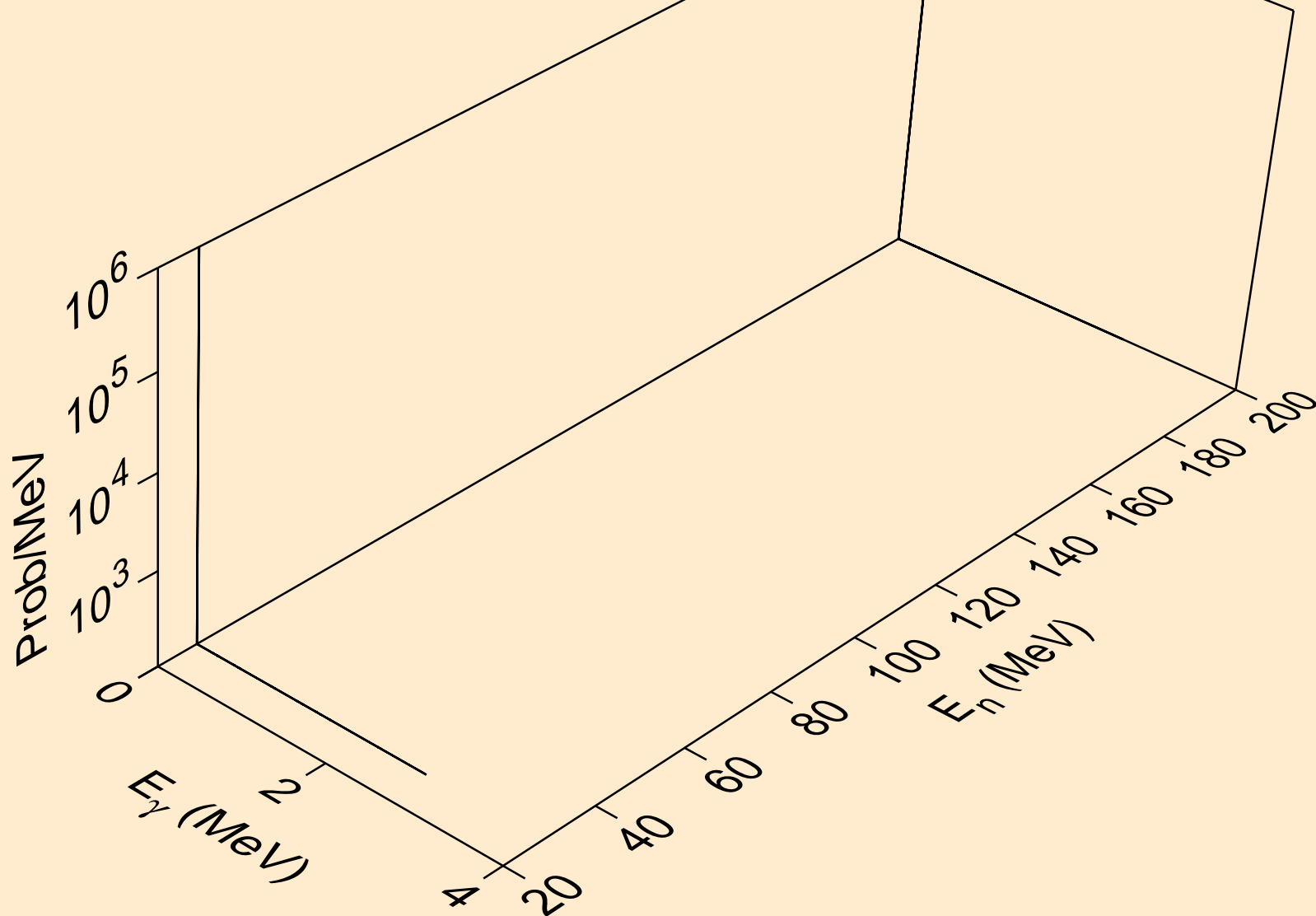
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t



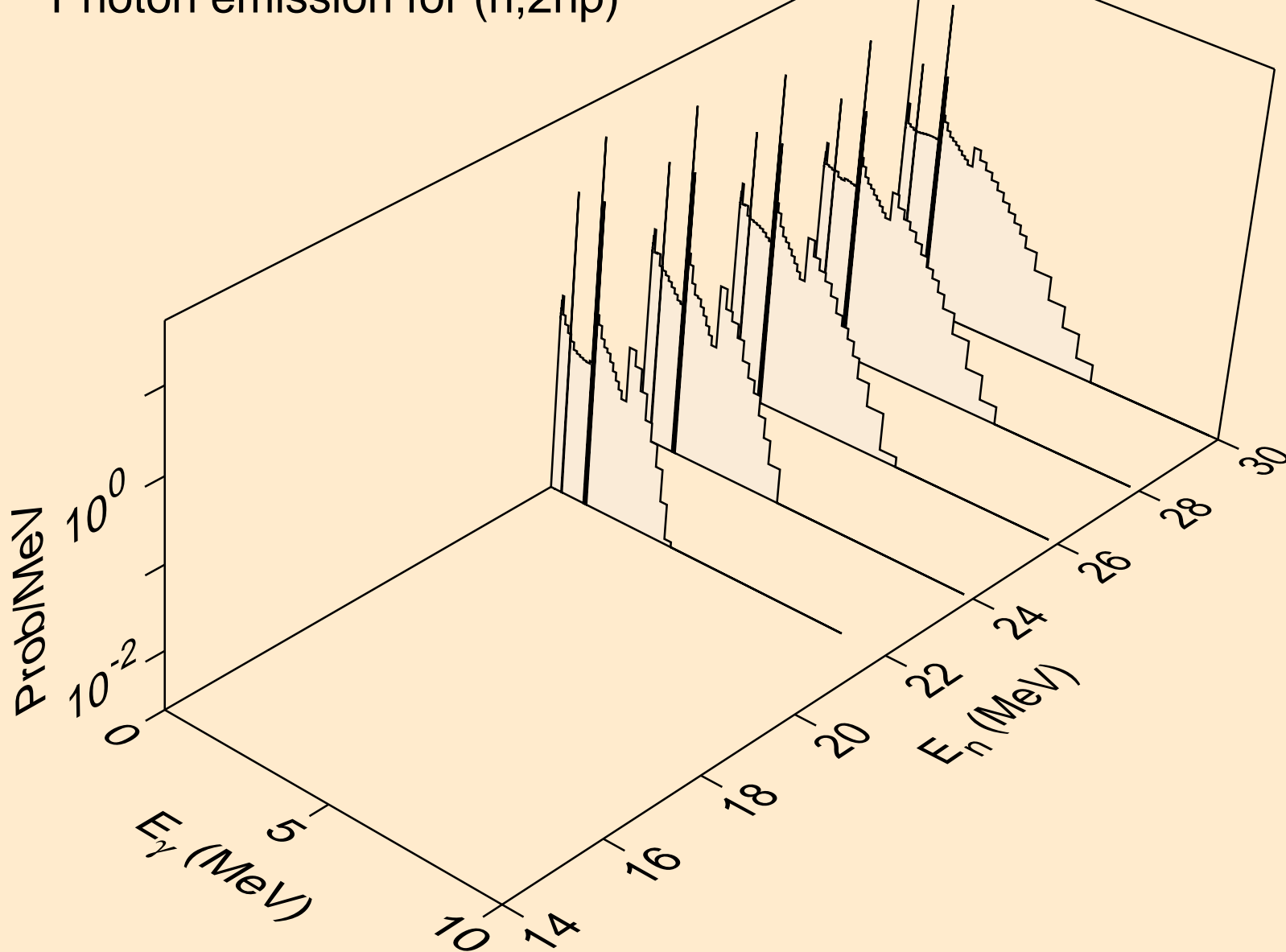
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3



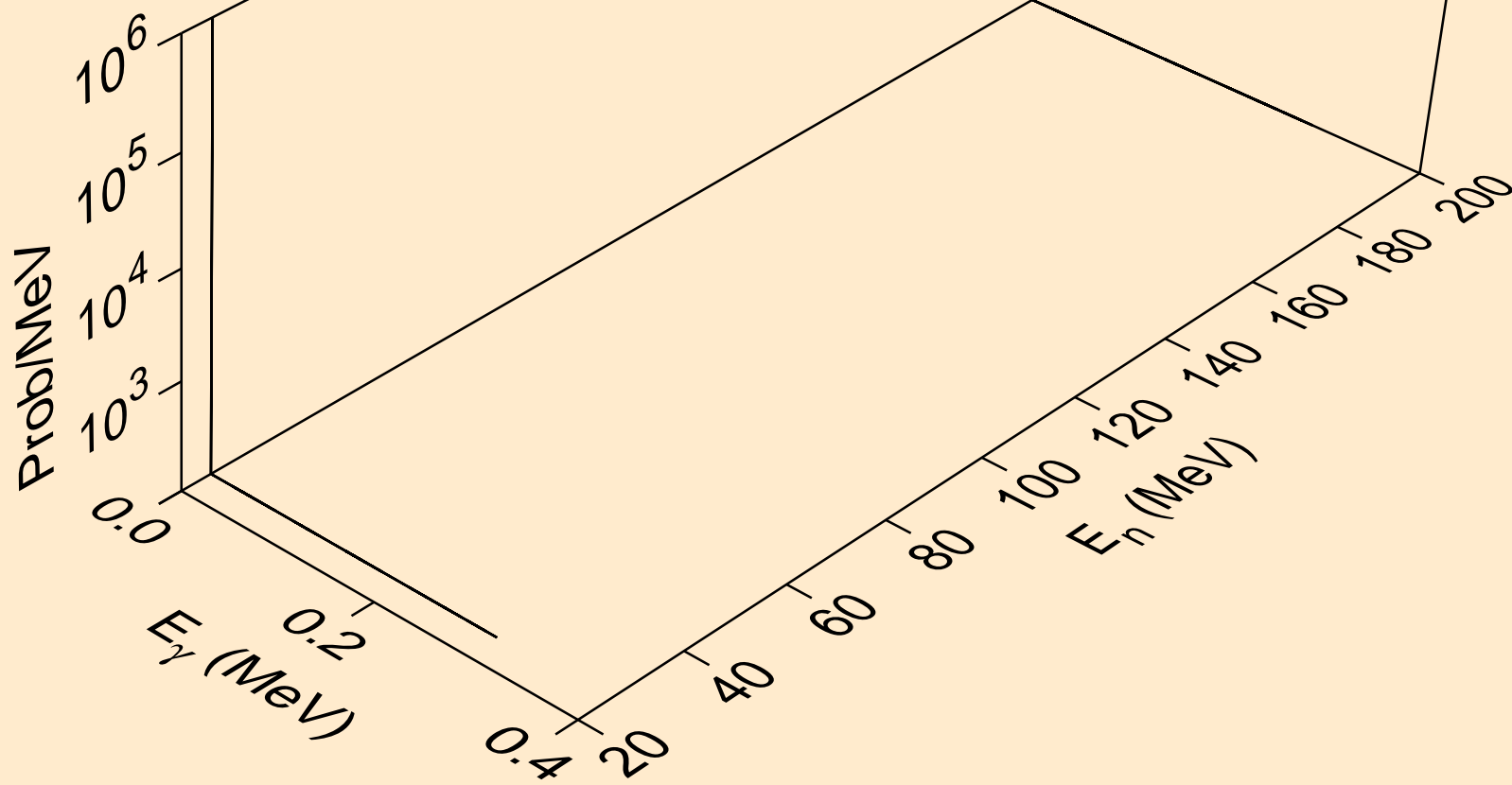
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,4n)



SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)

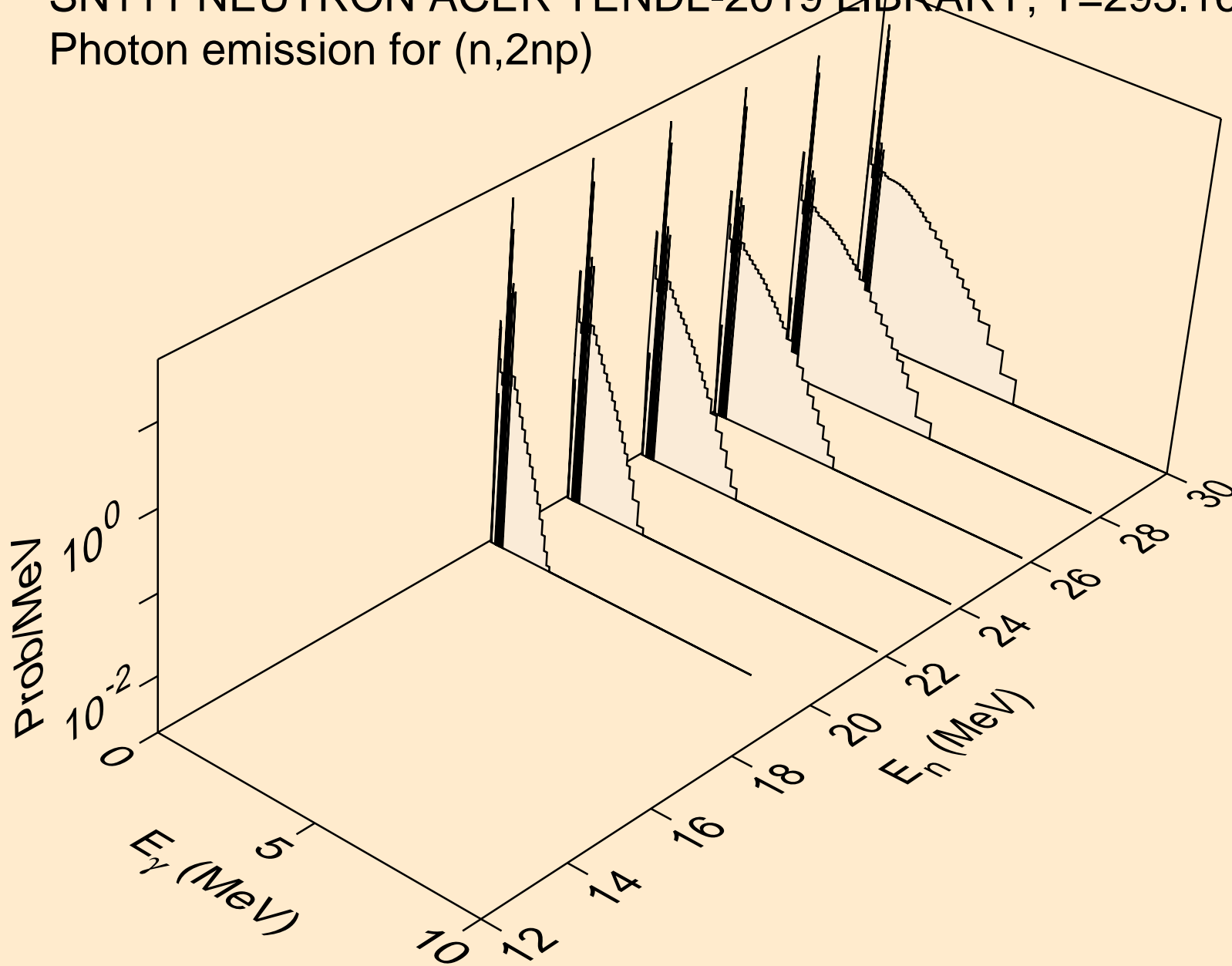


SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3np)

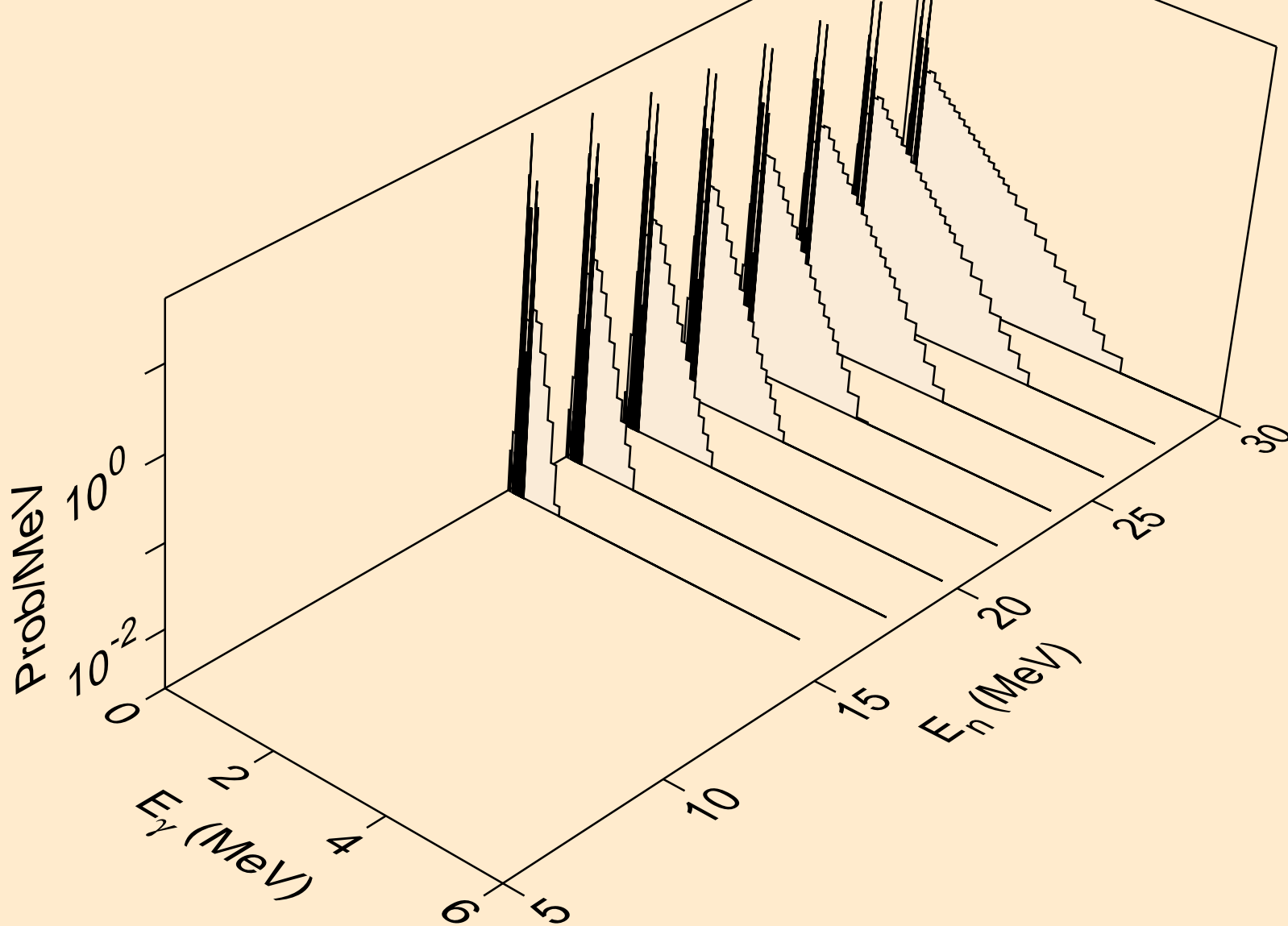




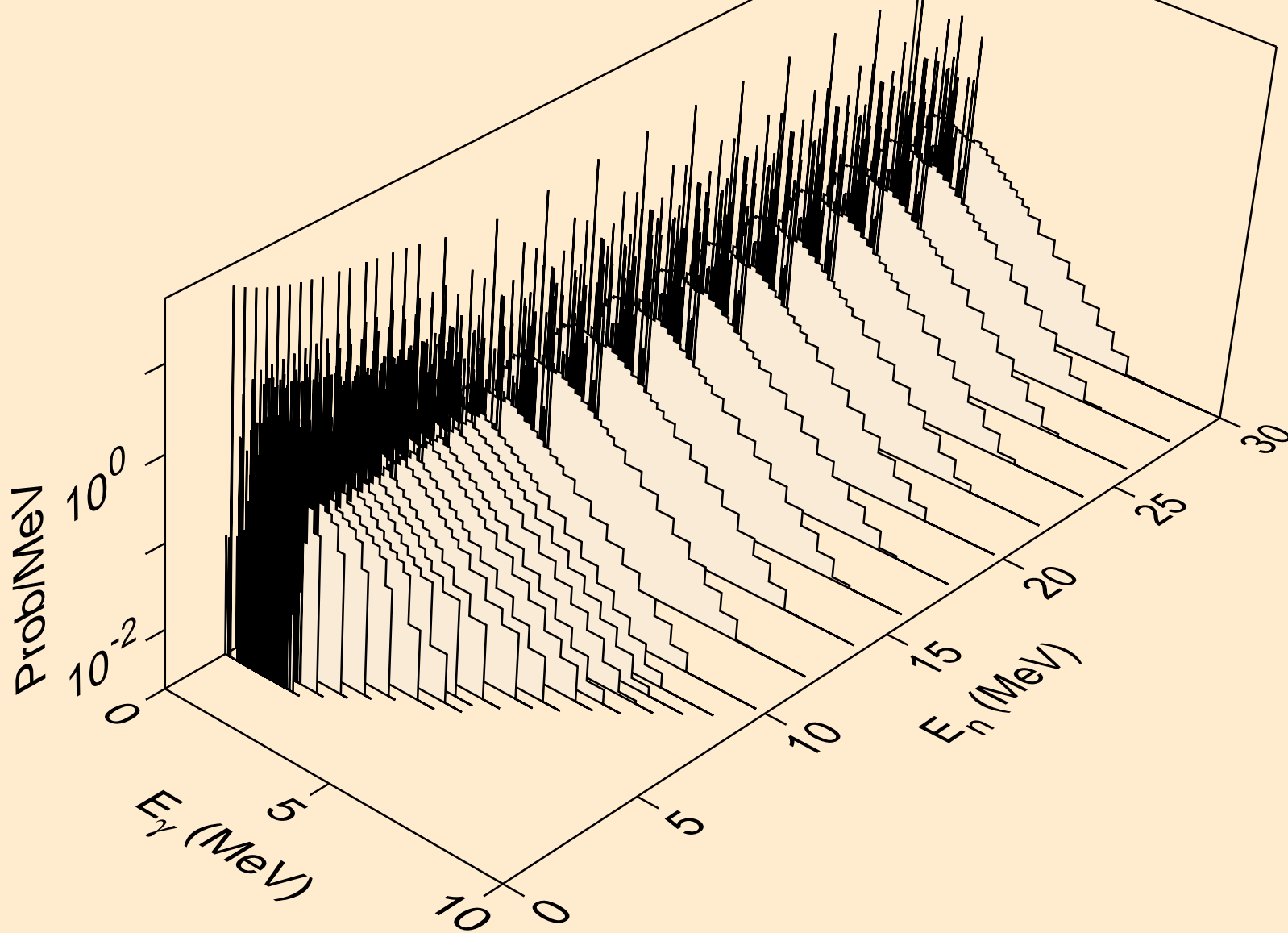
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



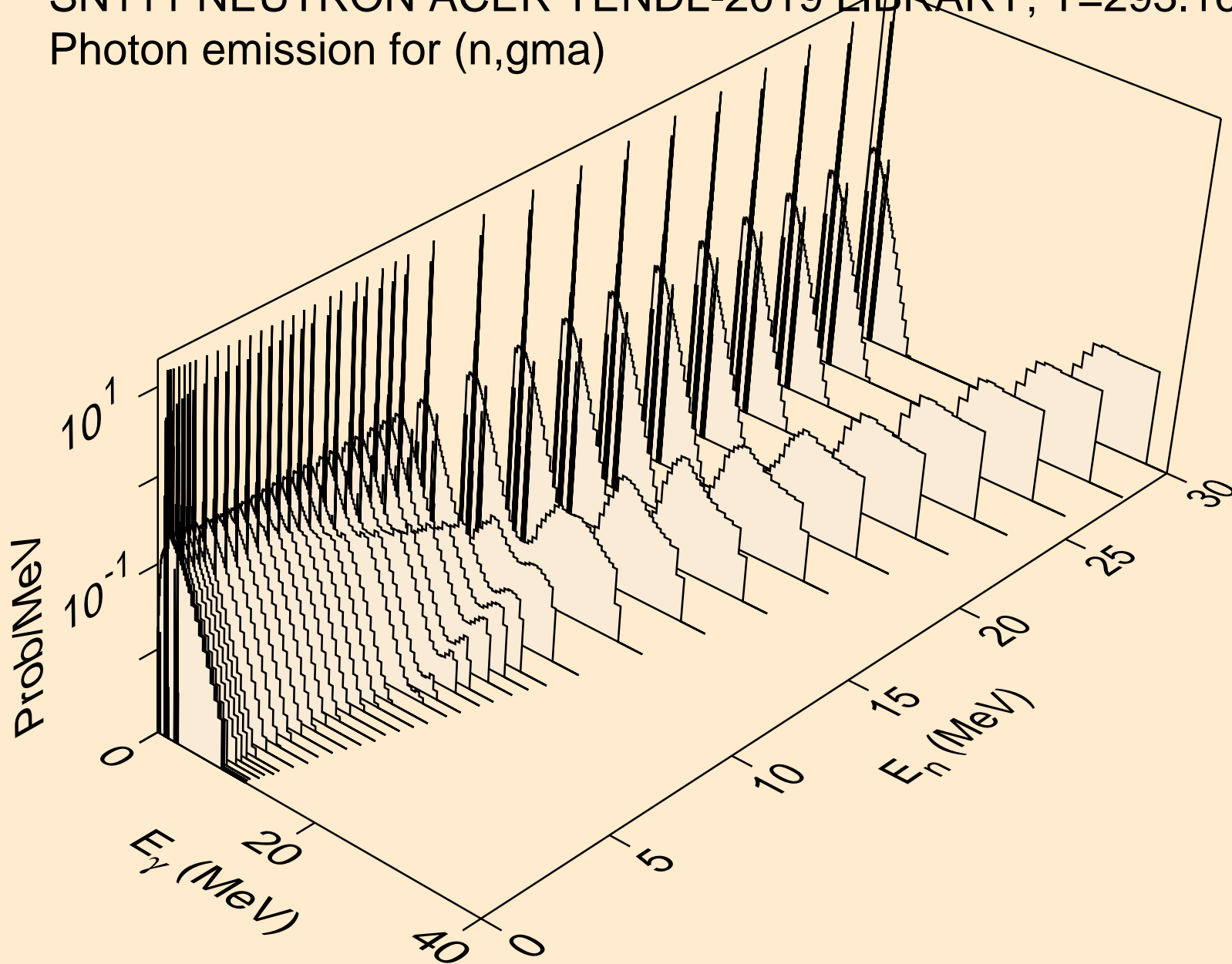
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,npa)



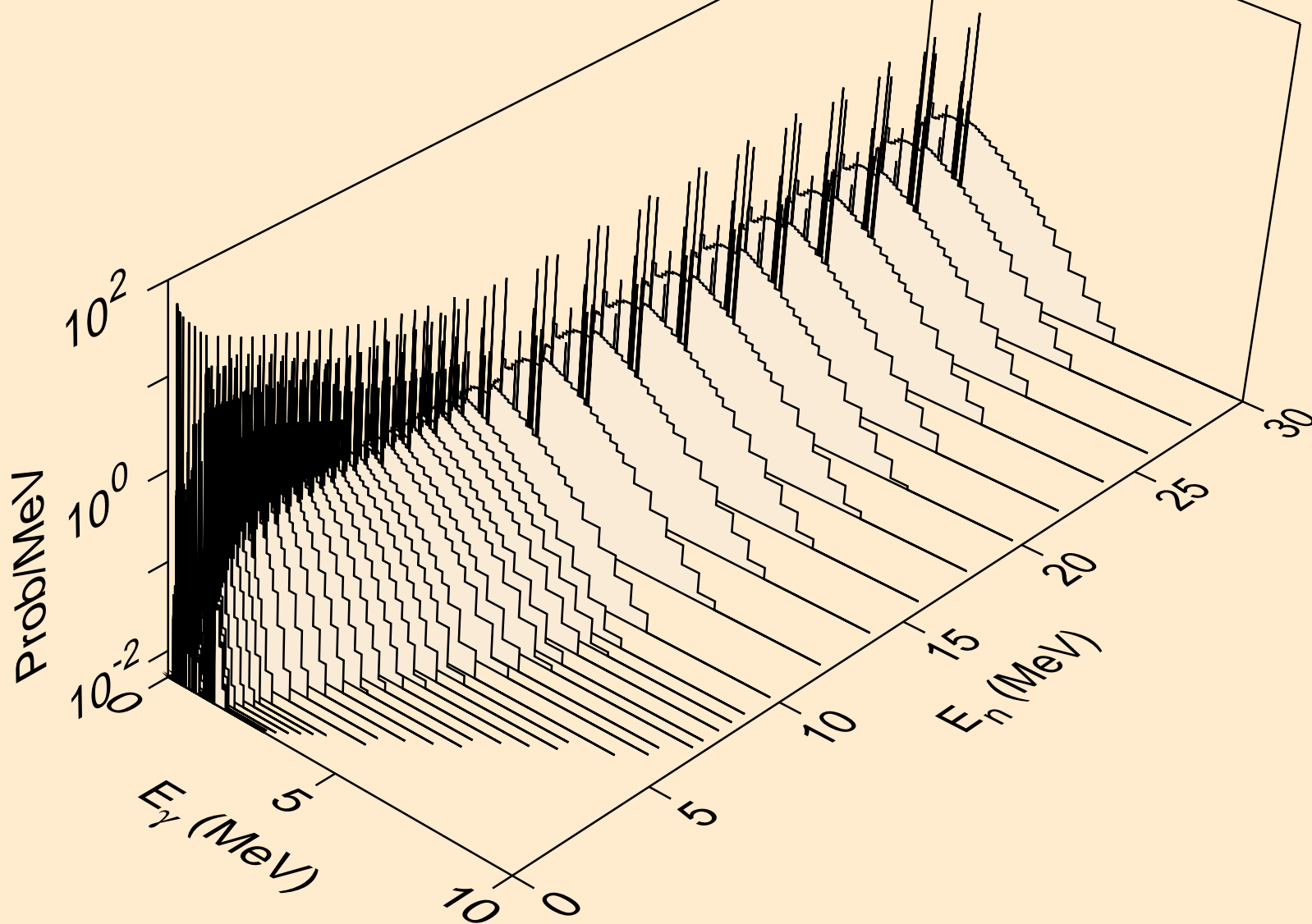
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)



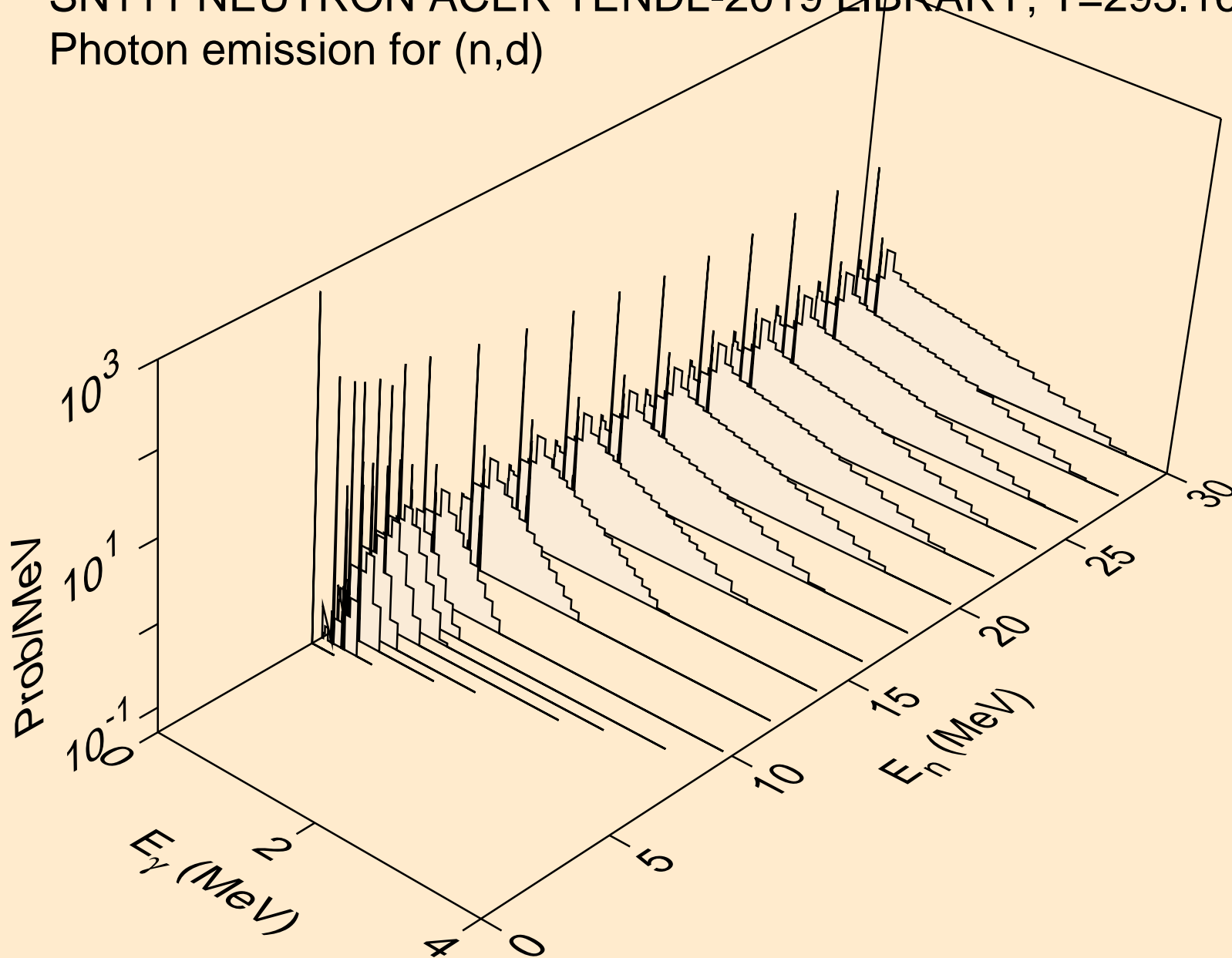
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)



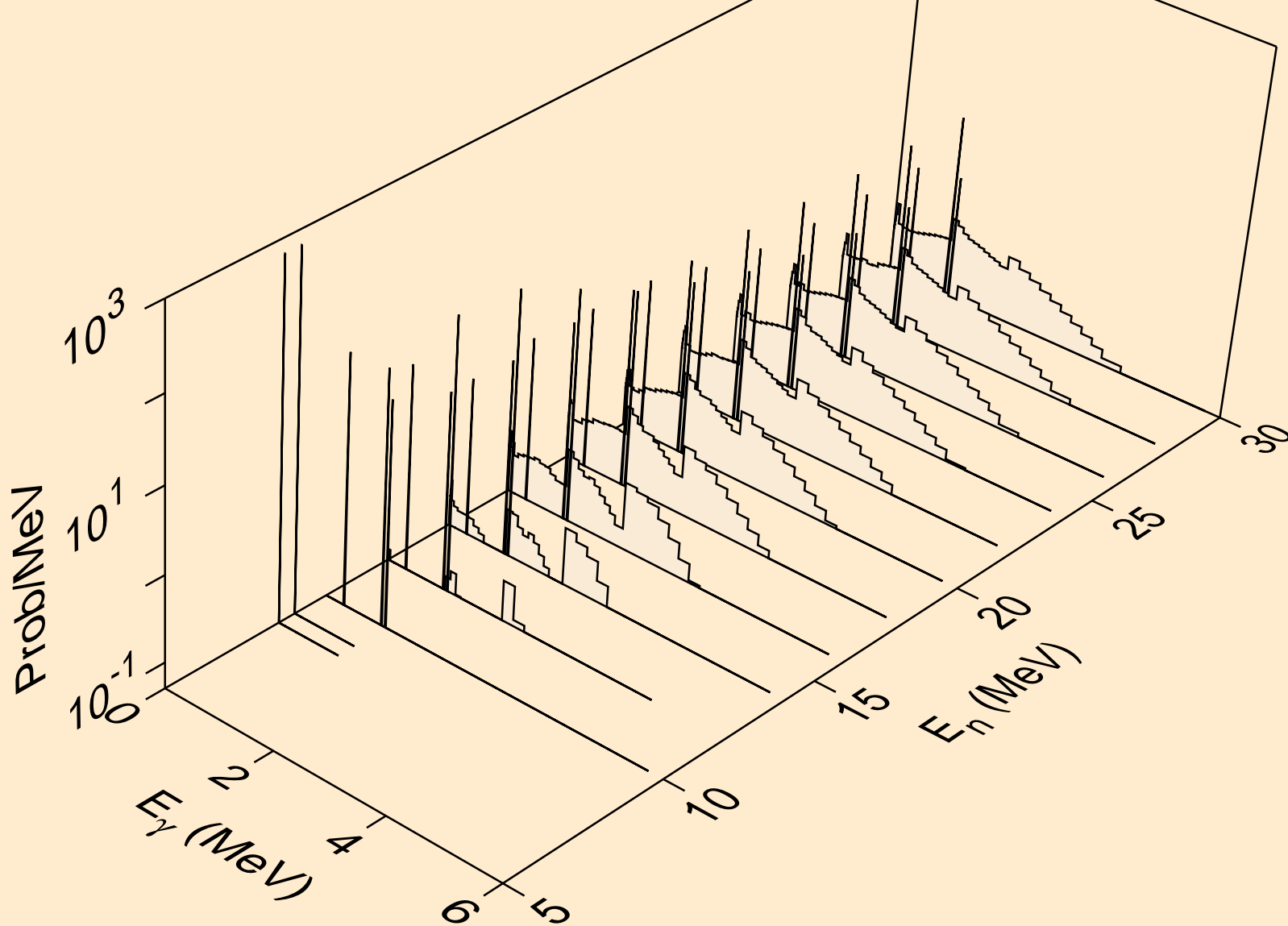
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)



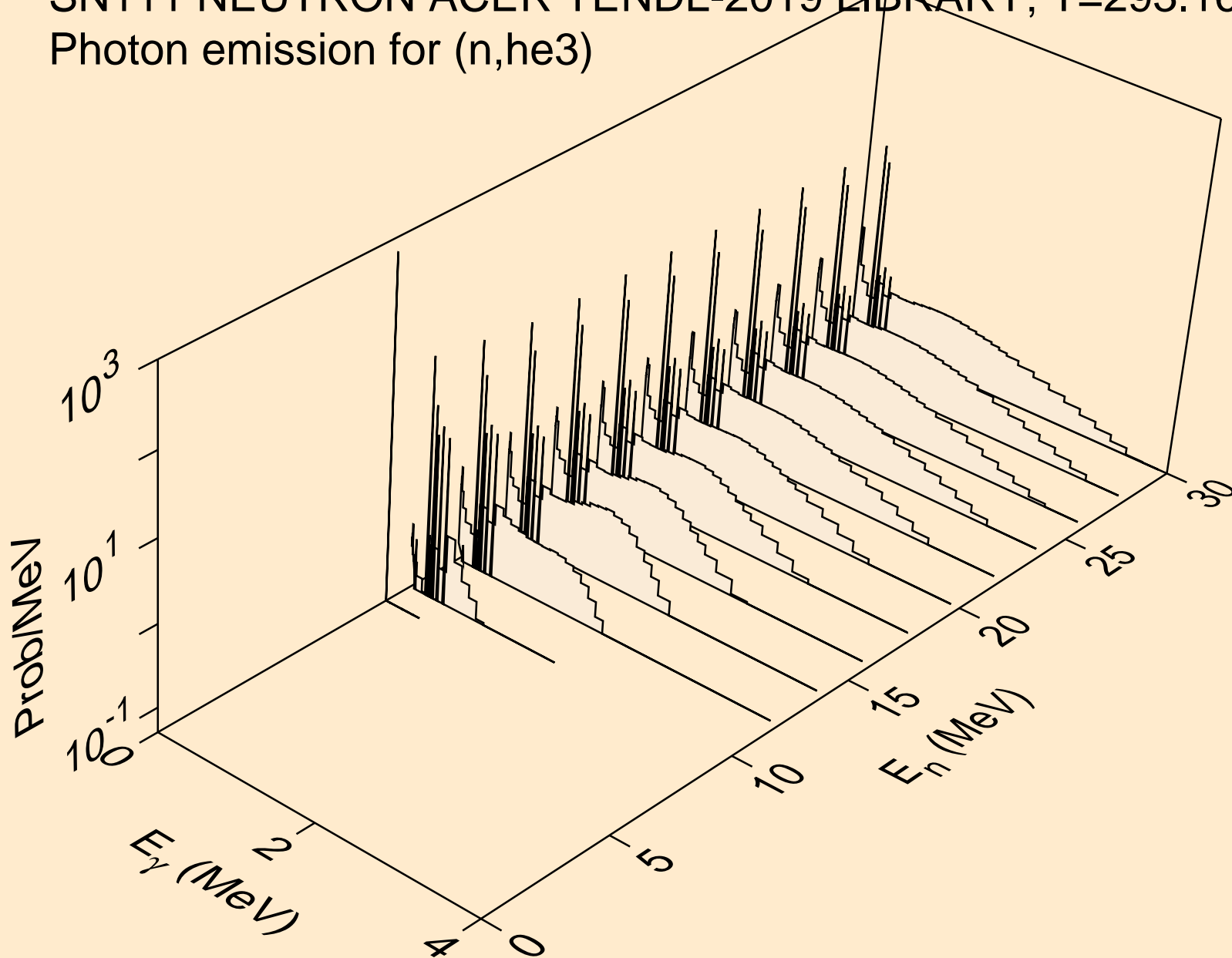
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)



SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)

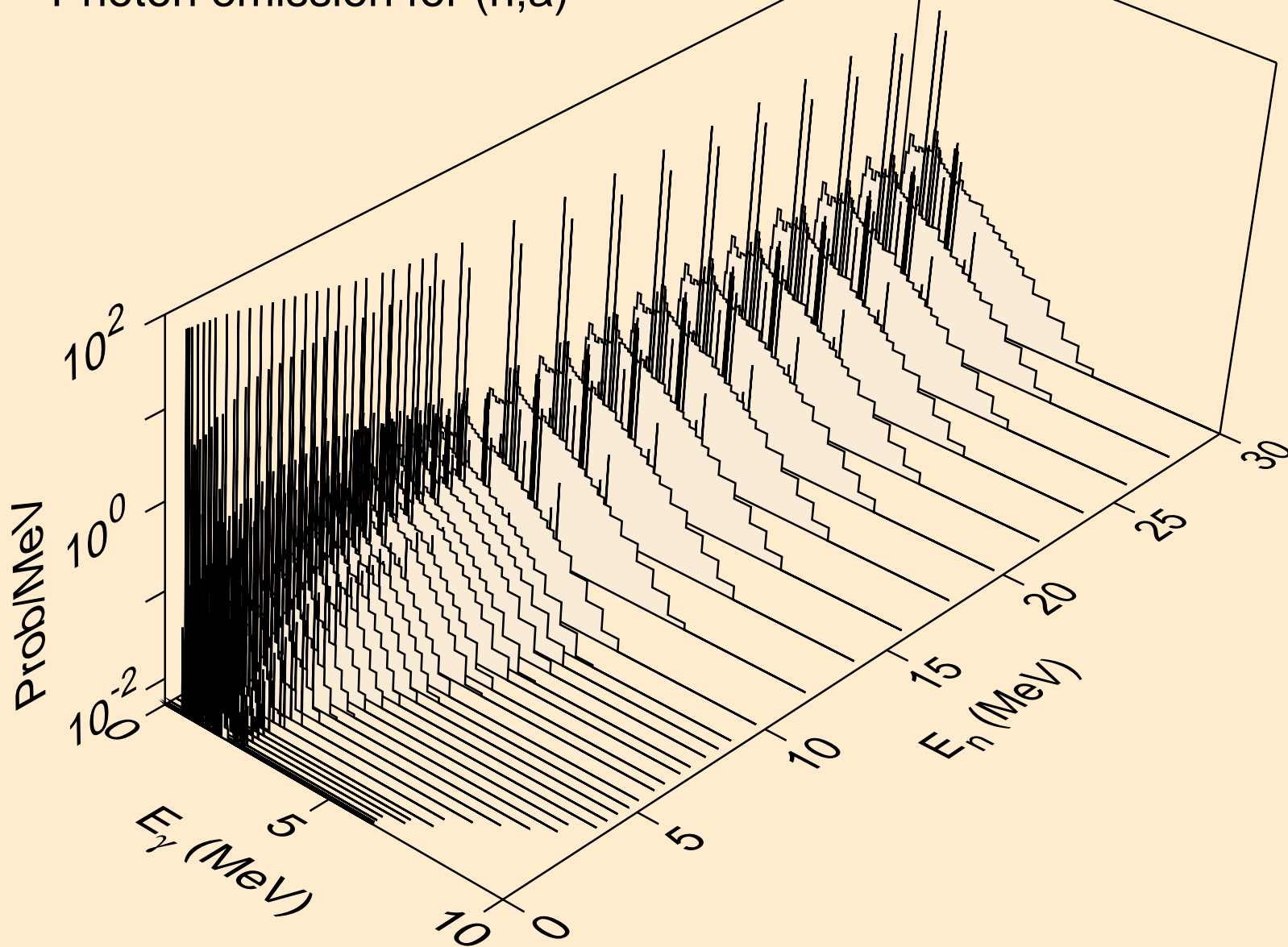


SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)

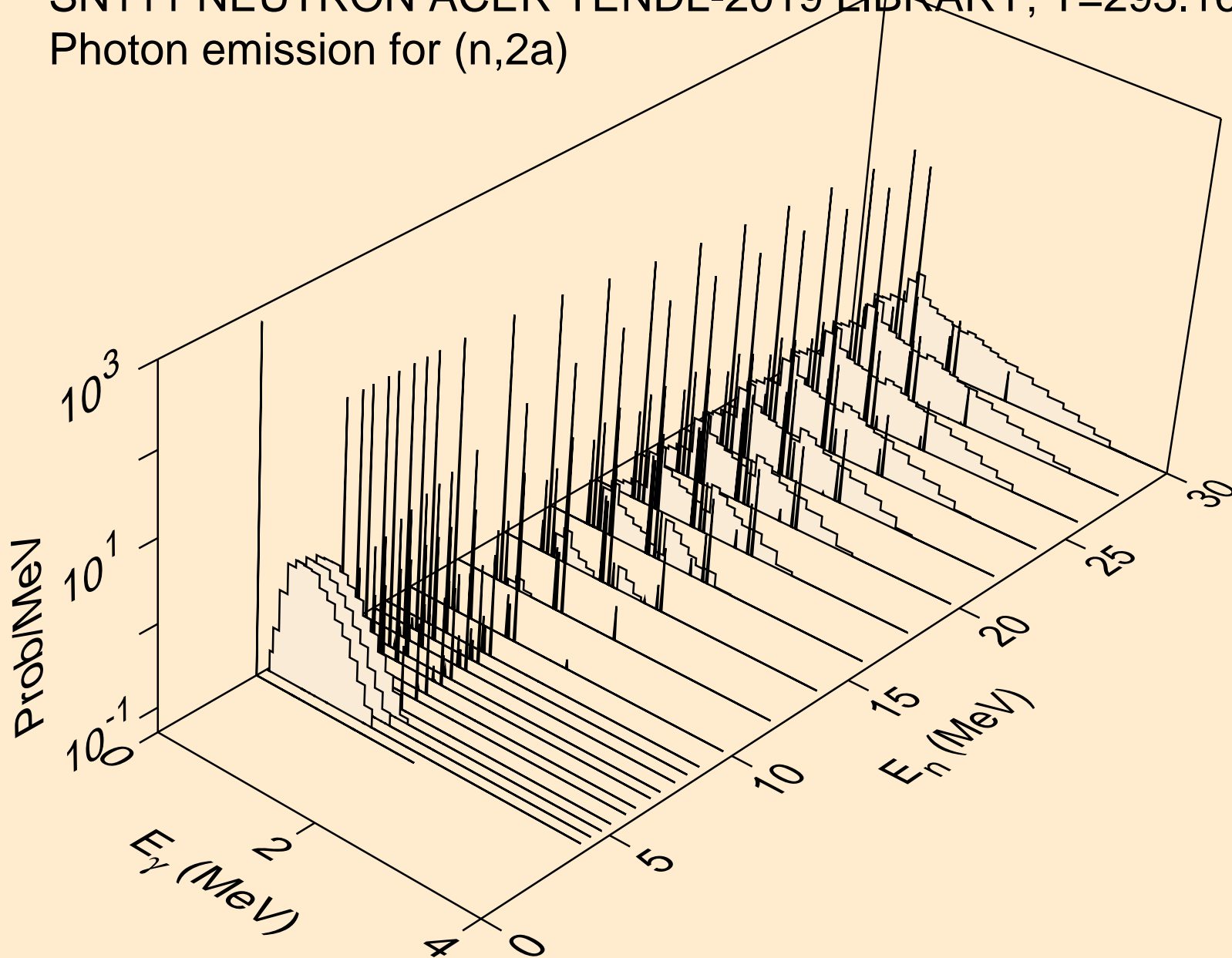




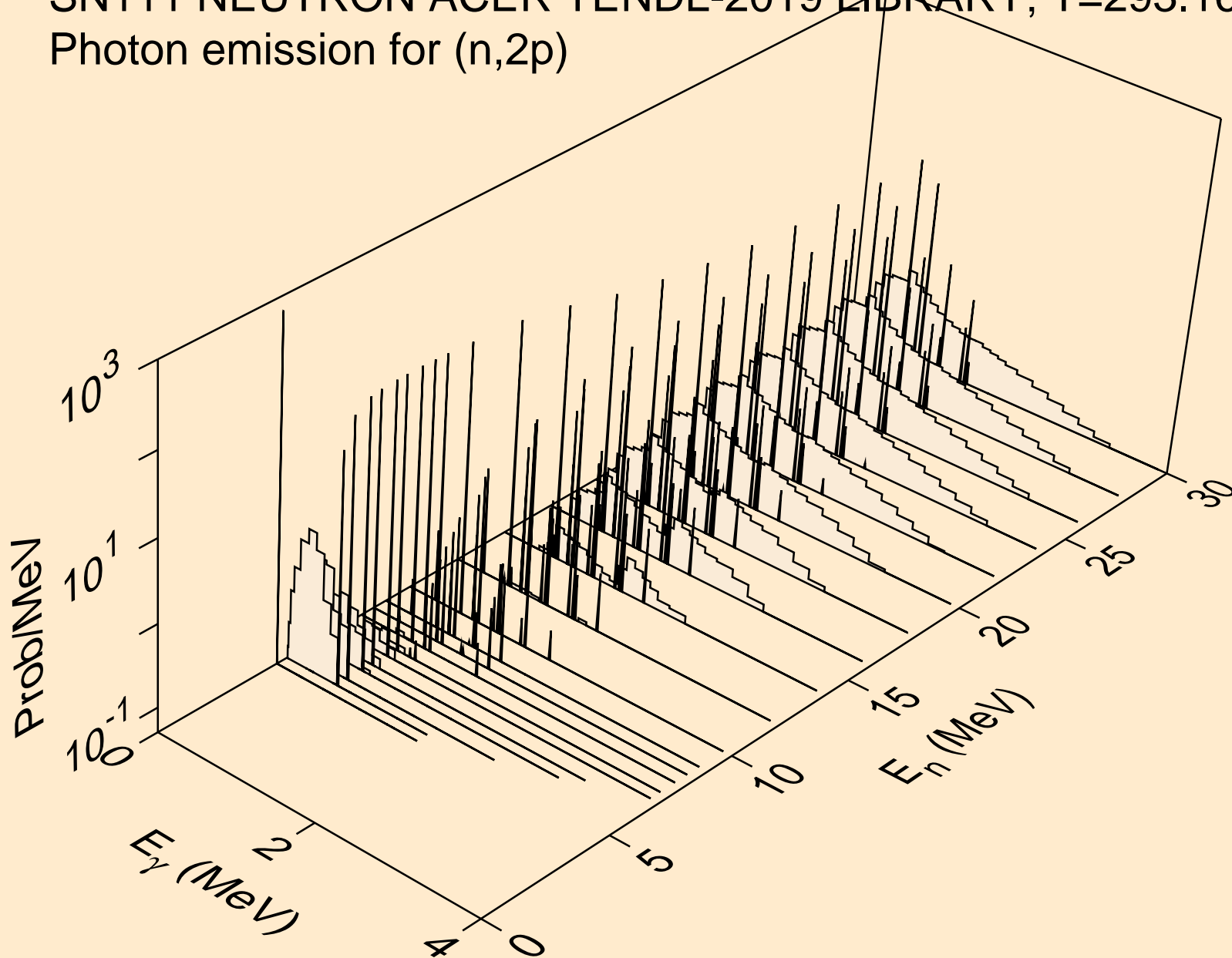
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)



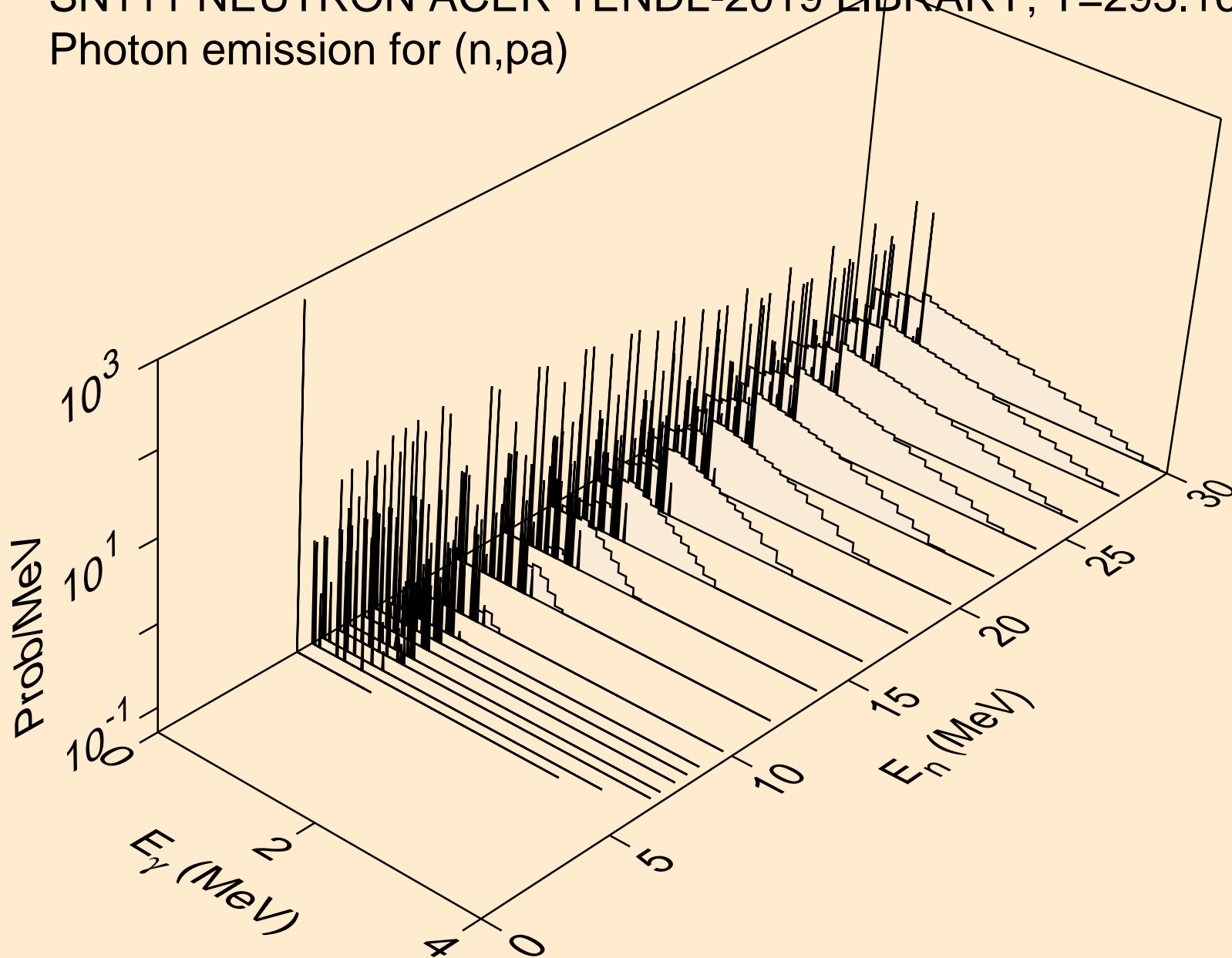
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2a)



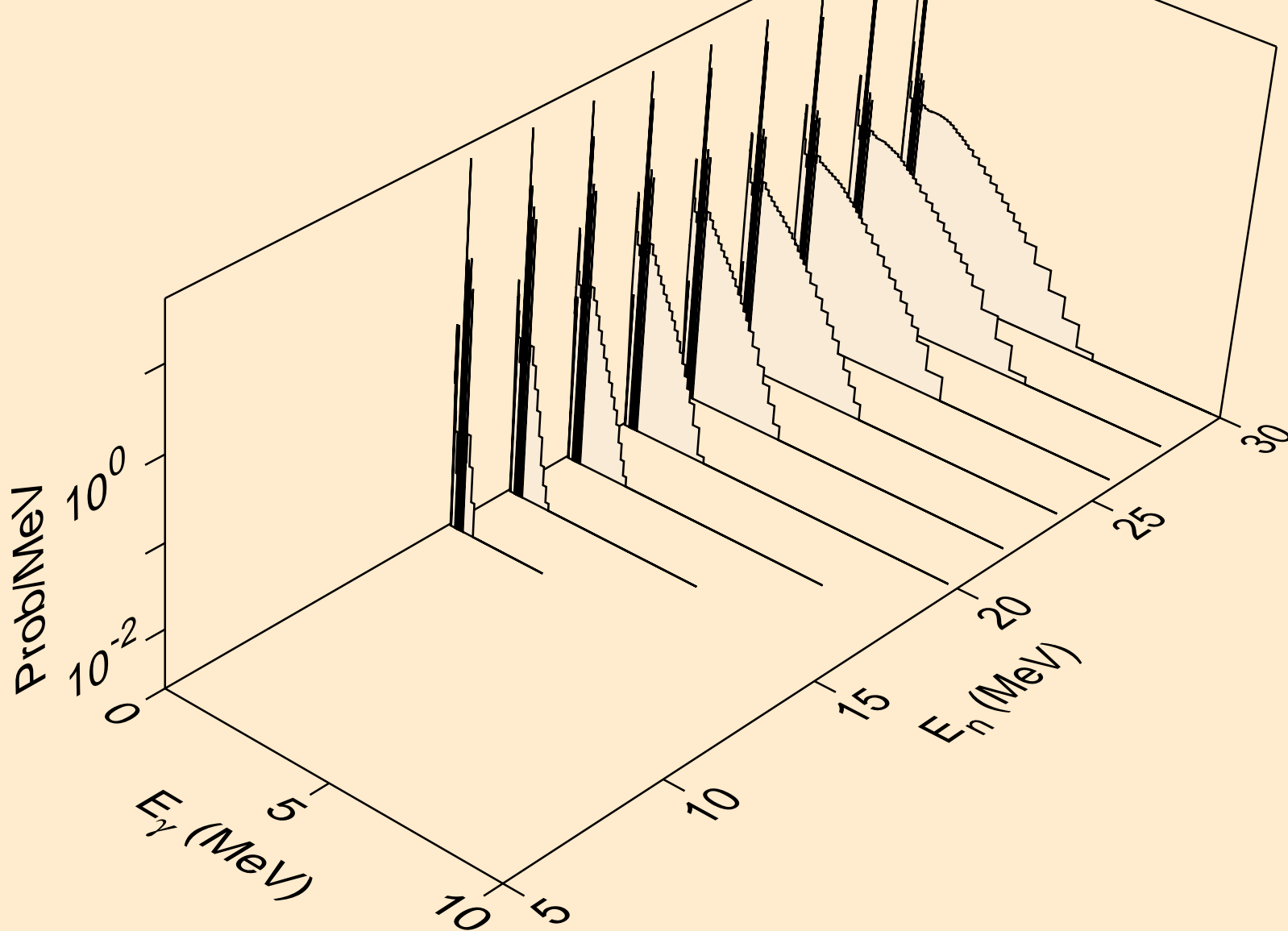
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)



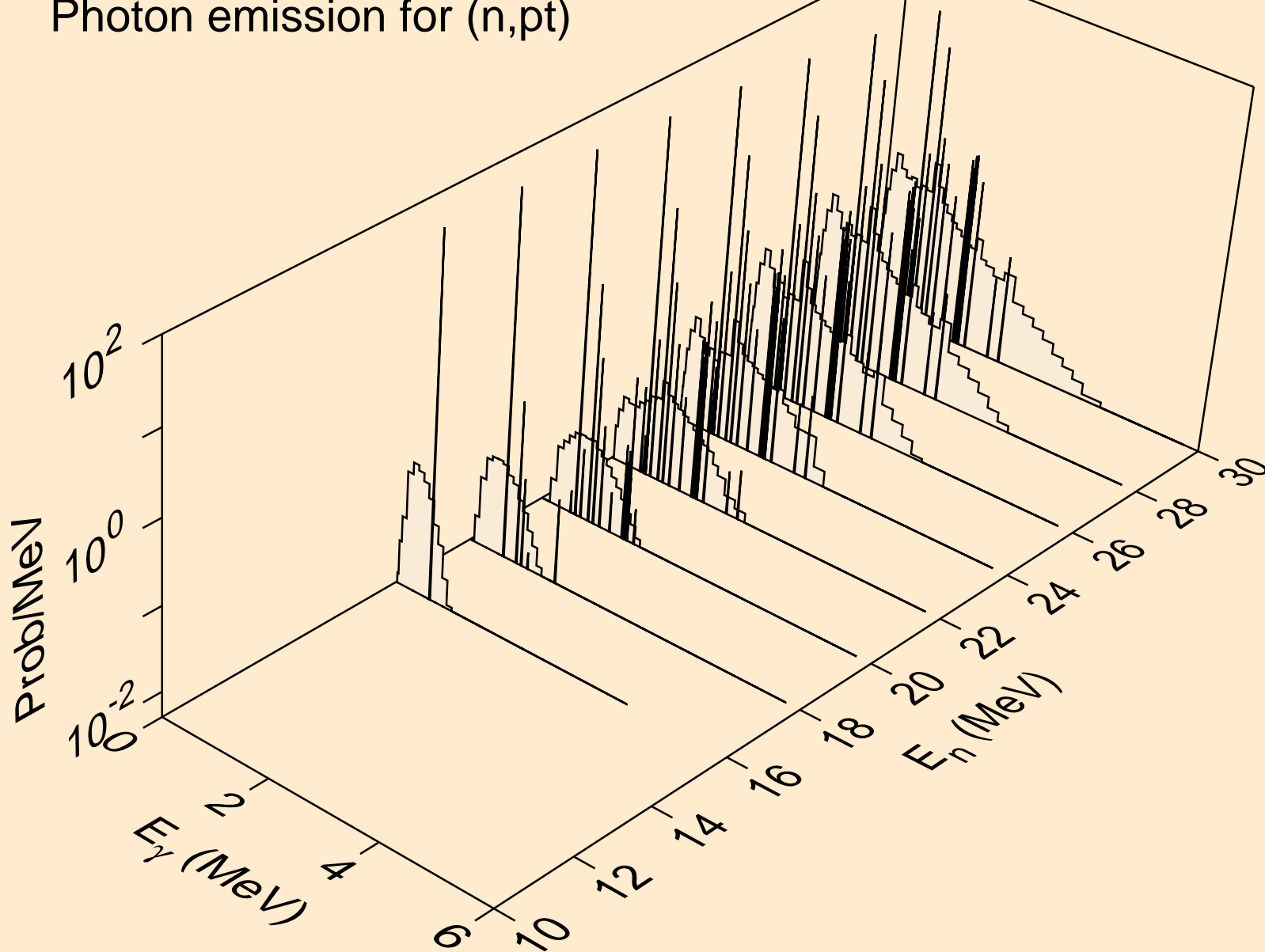
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p $\alpha$ )



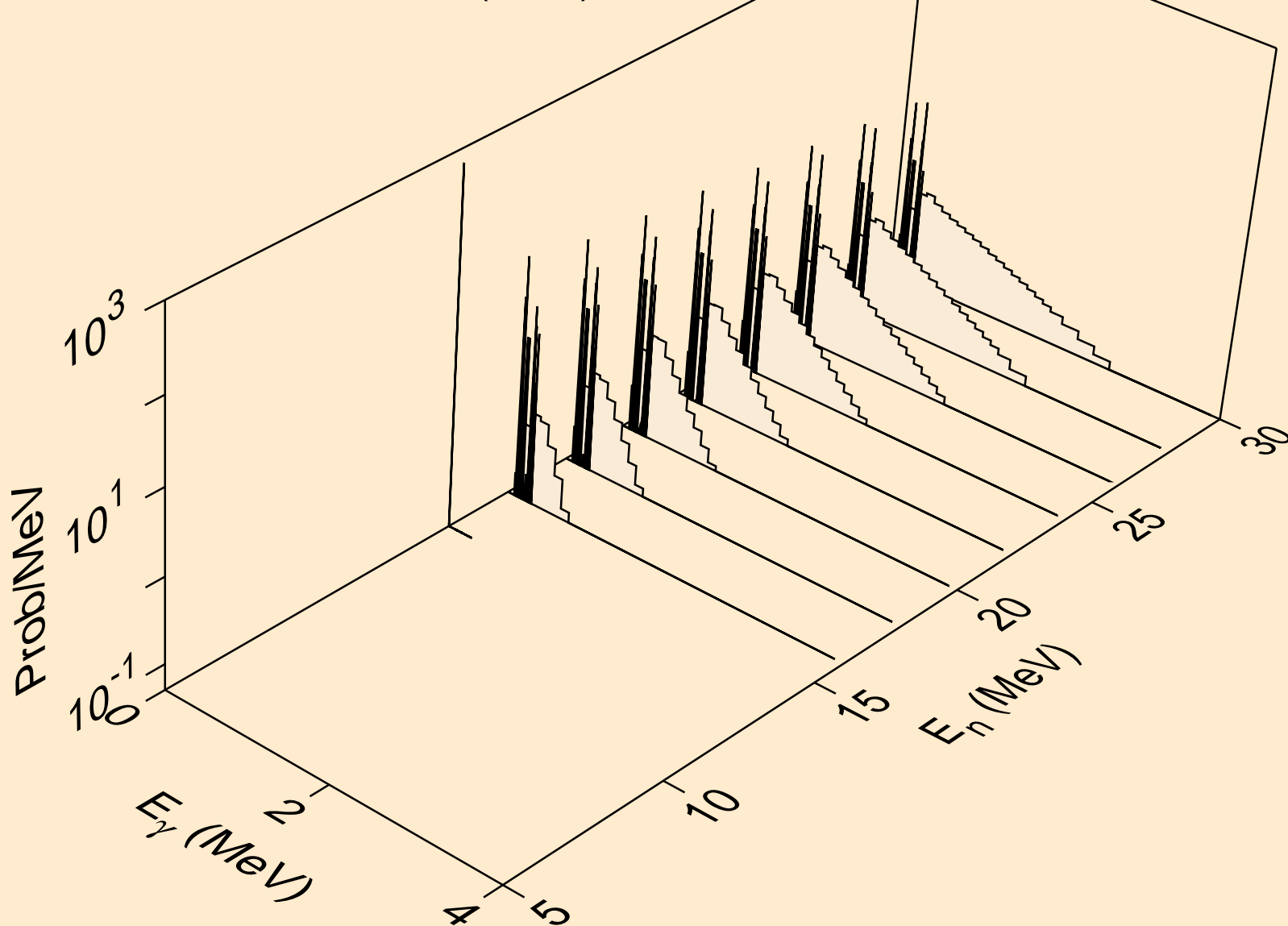
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pd)



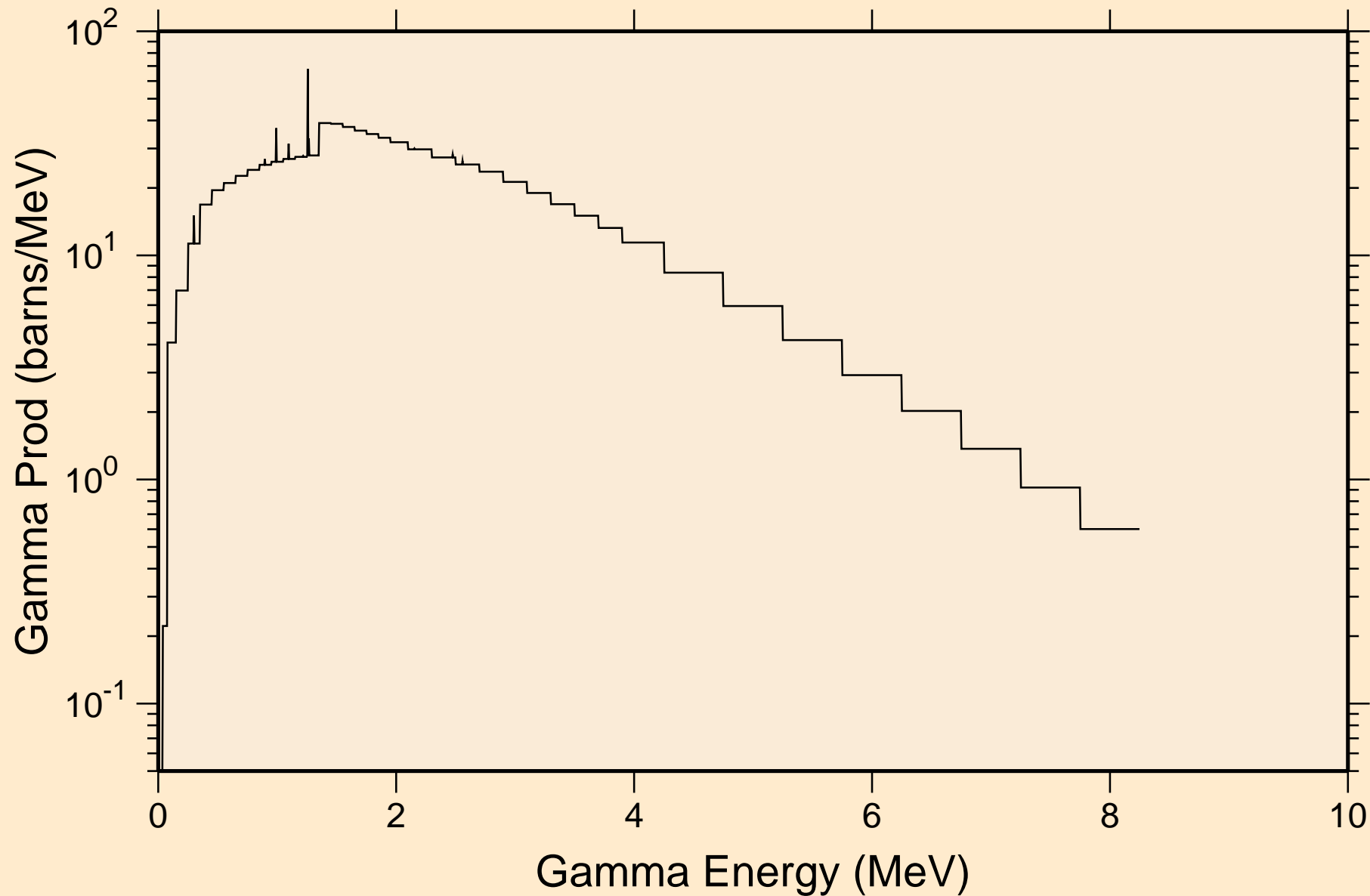
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pt)



SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)

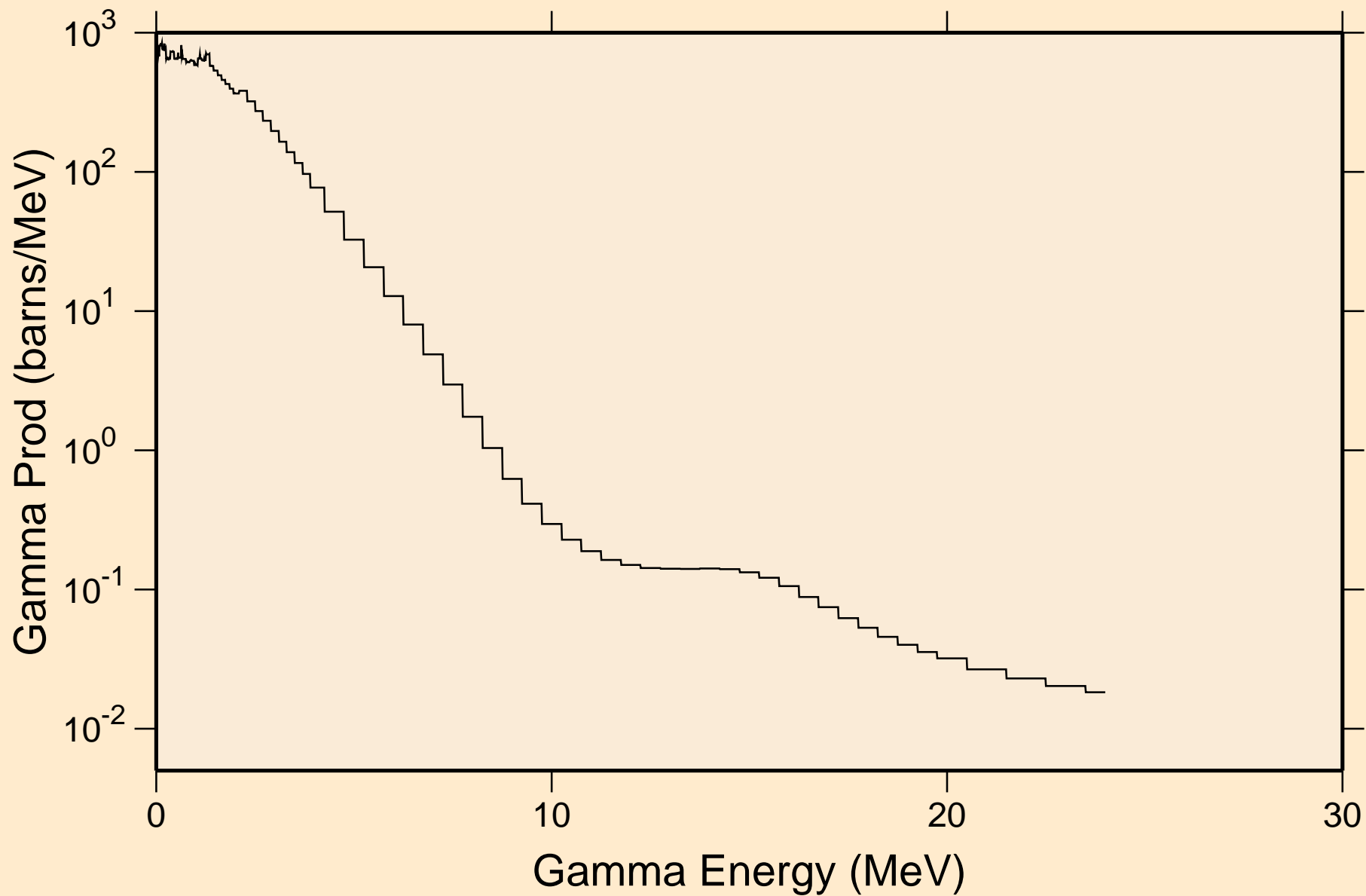


SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum



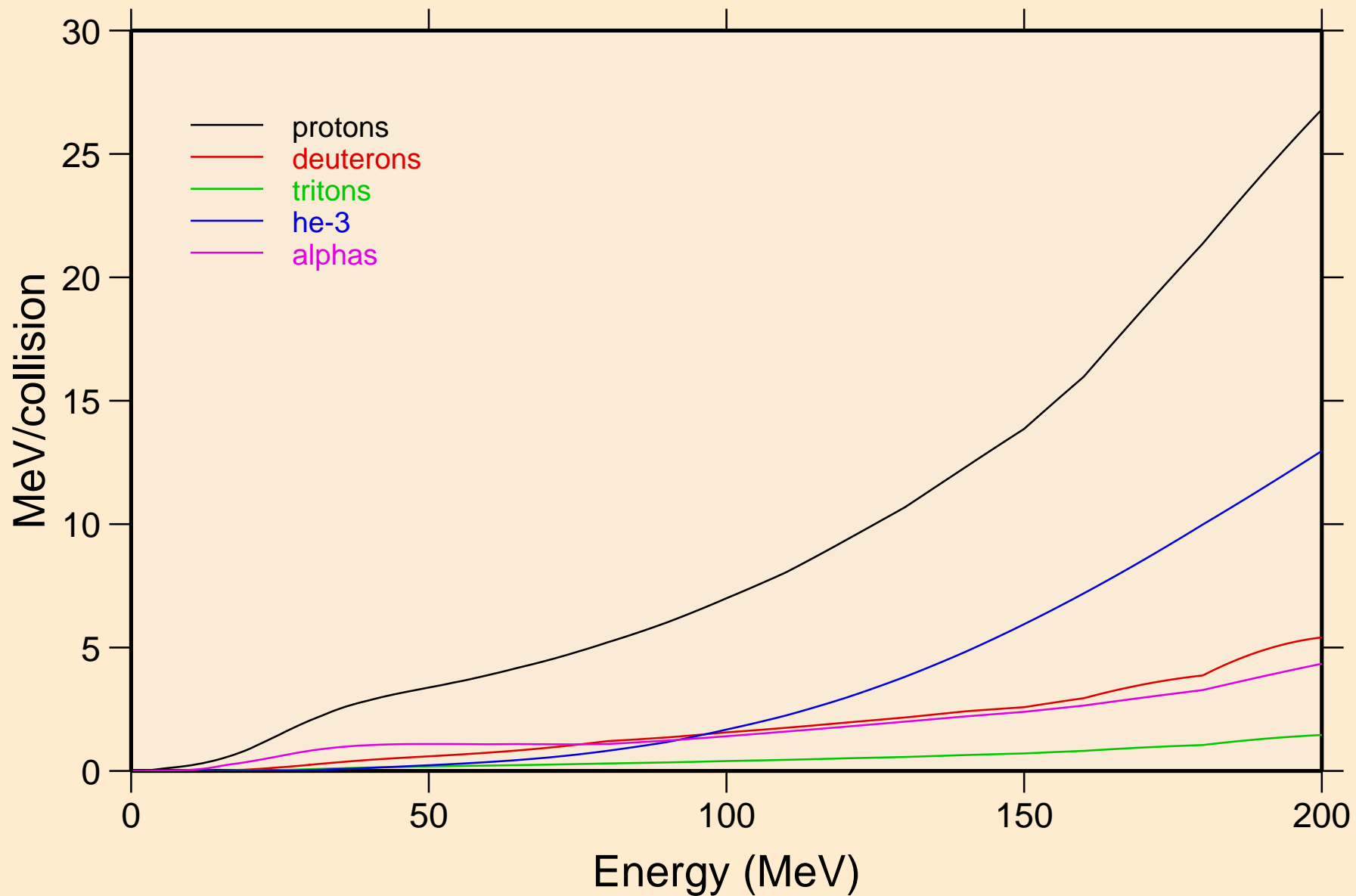


SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum



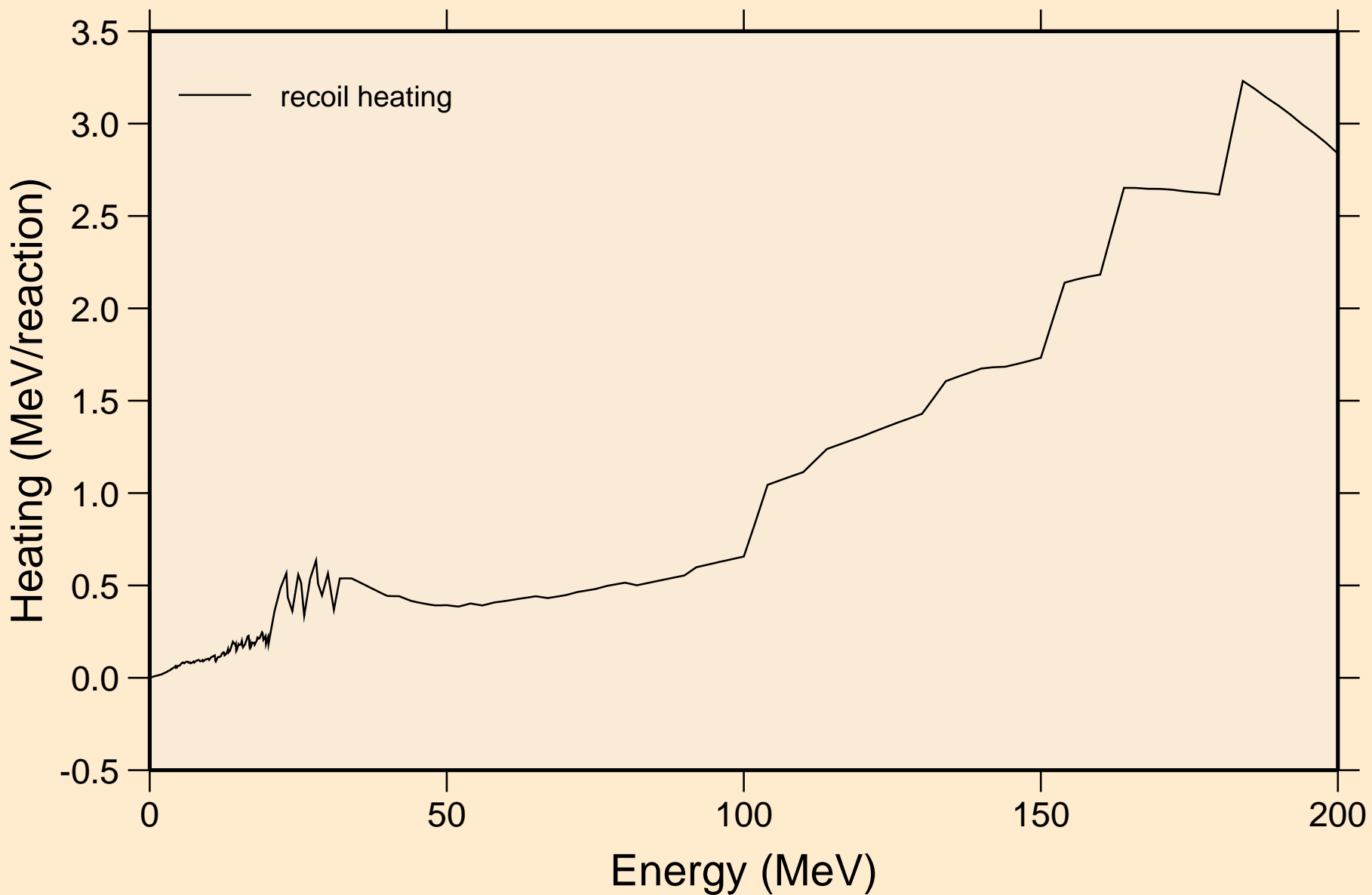
# SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Particle heating contributions



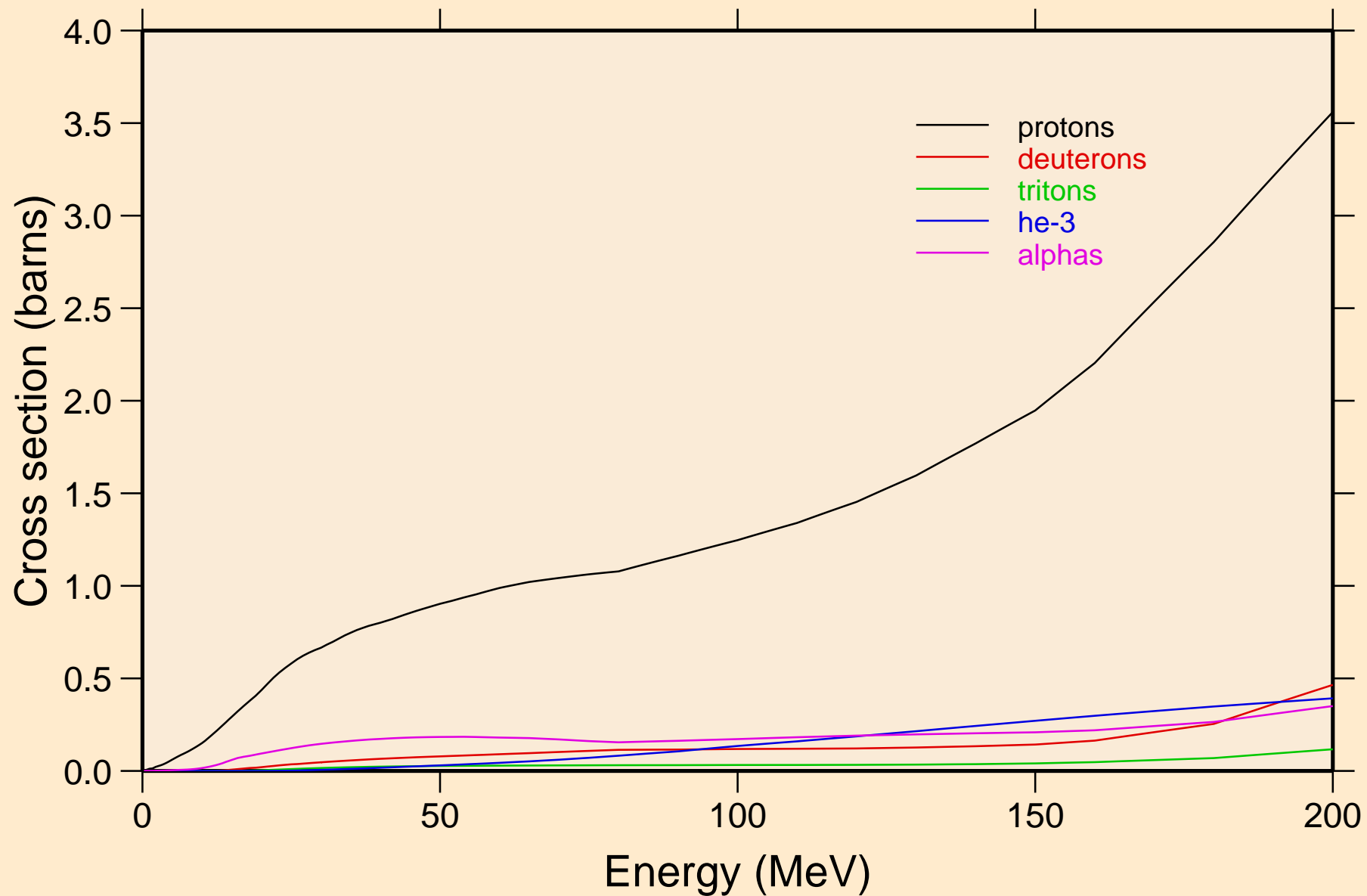
# SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Recoil Heating

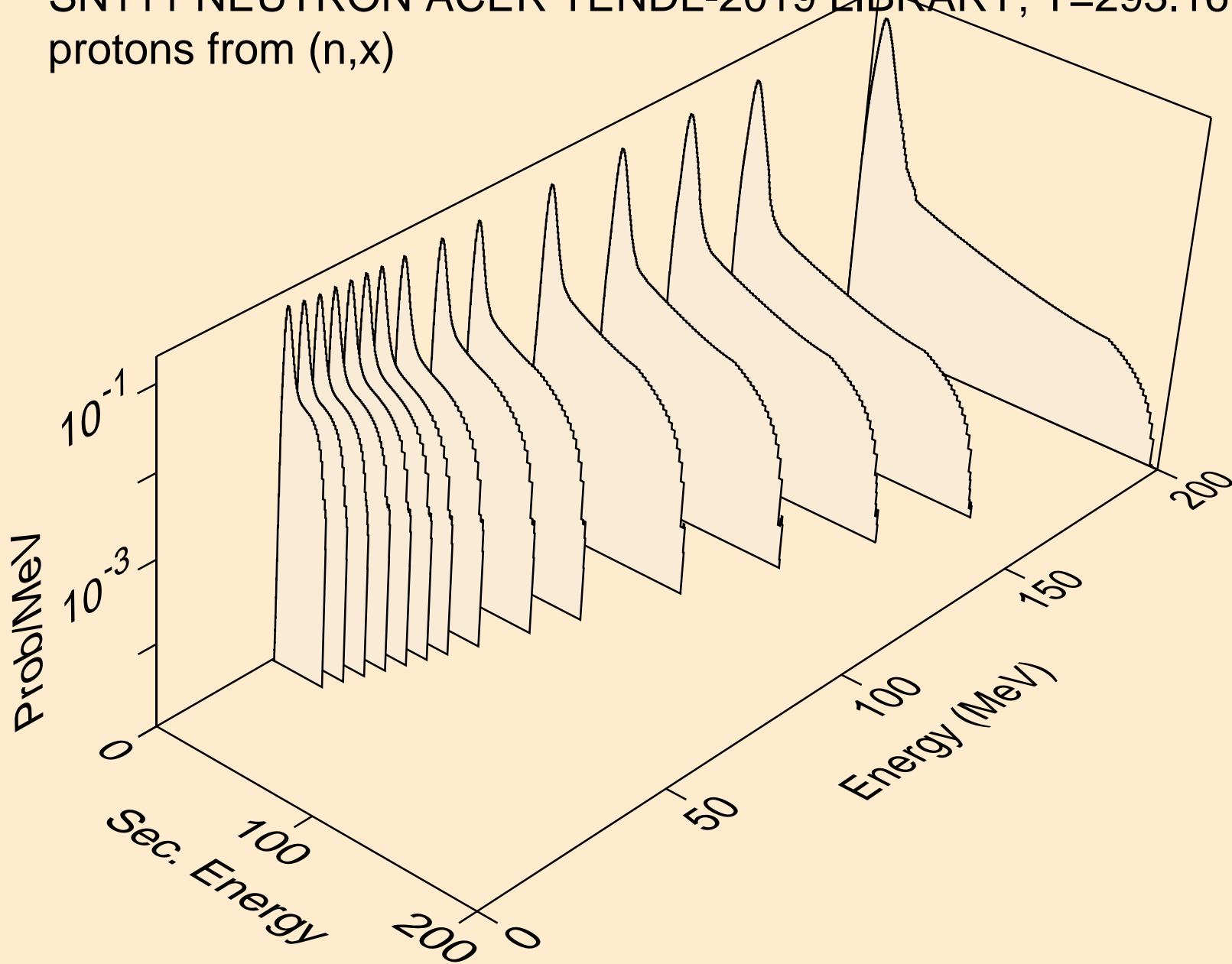


# SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

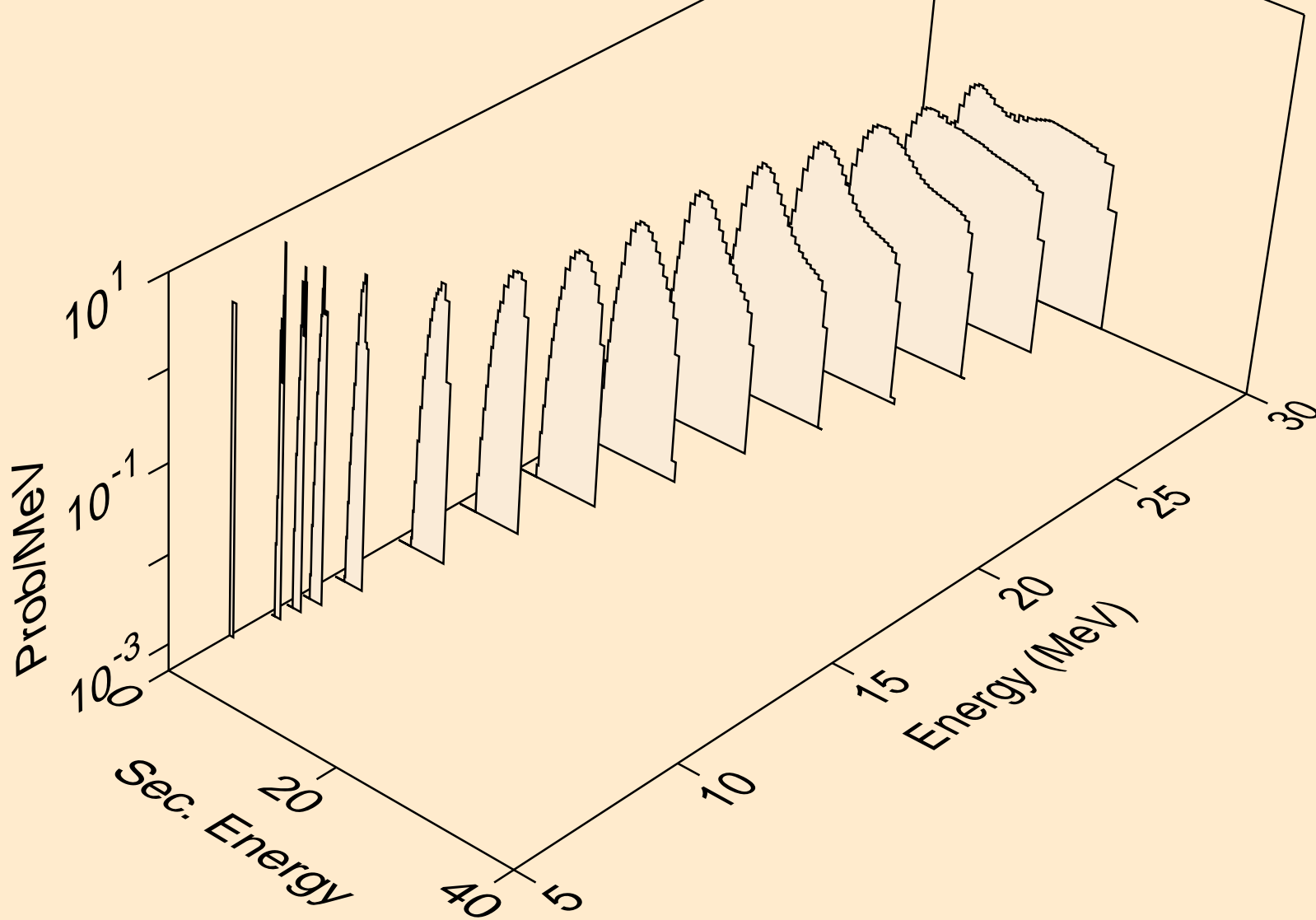
## Particle production cross sections



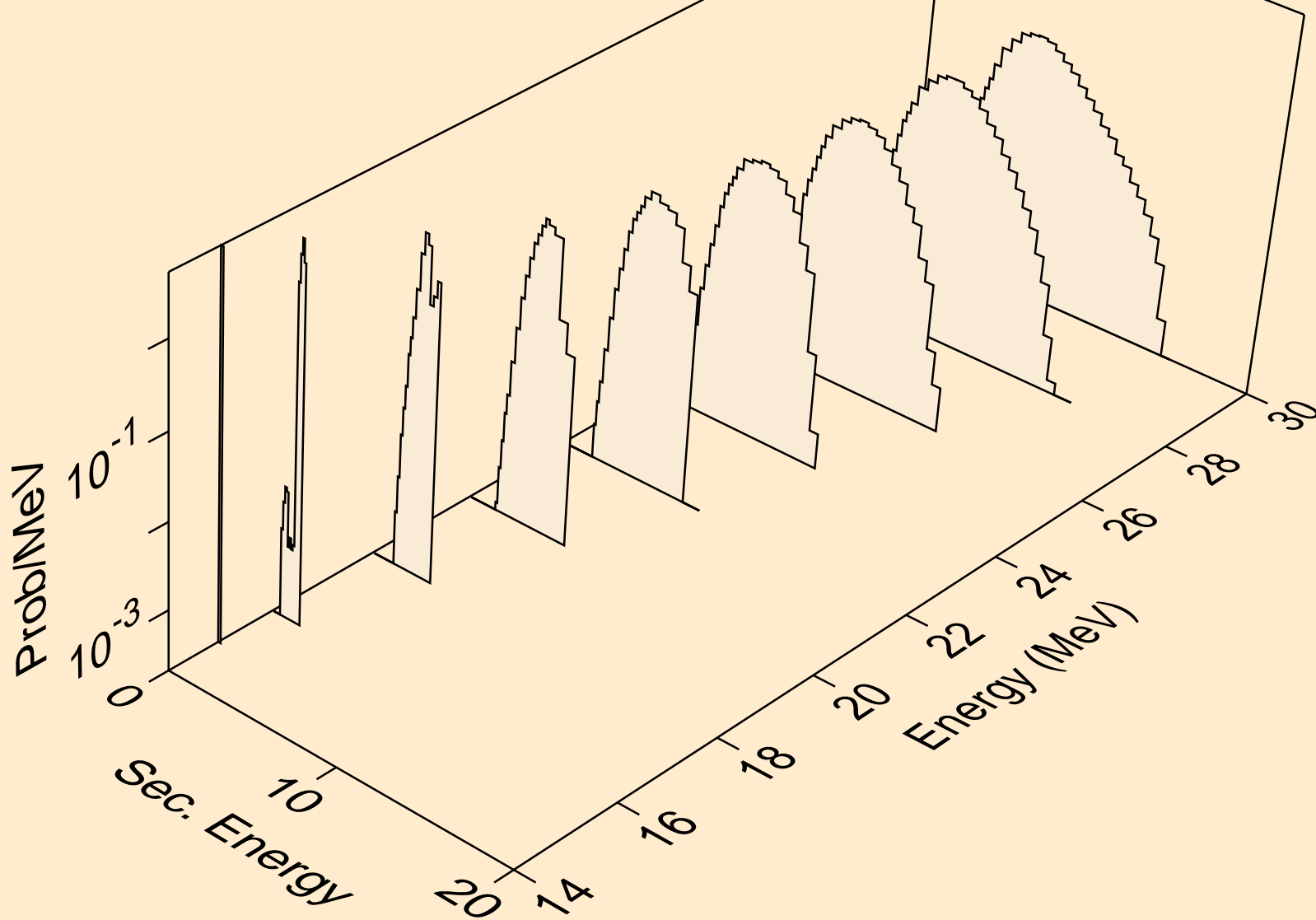
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



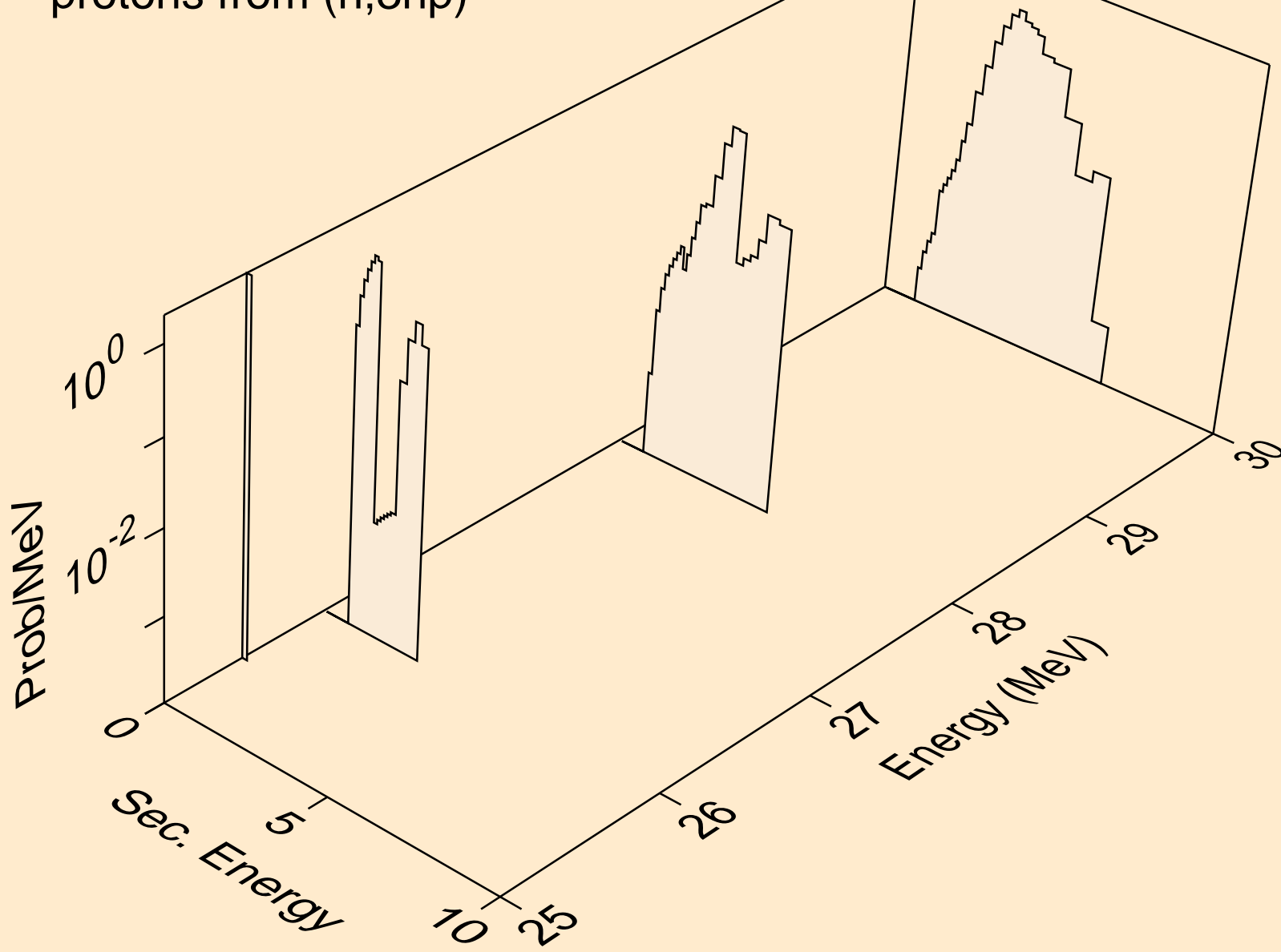
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)

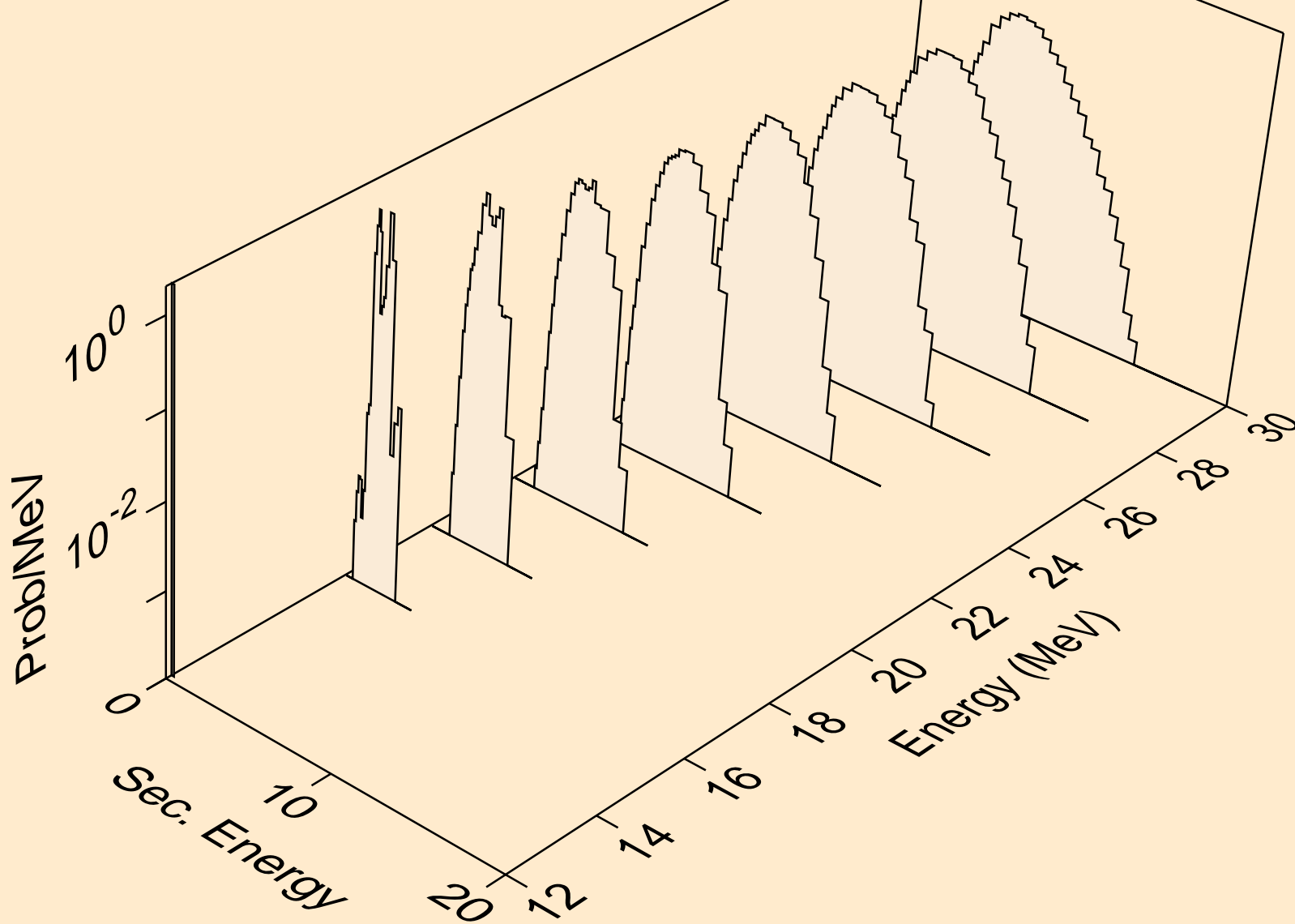


SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)

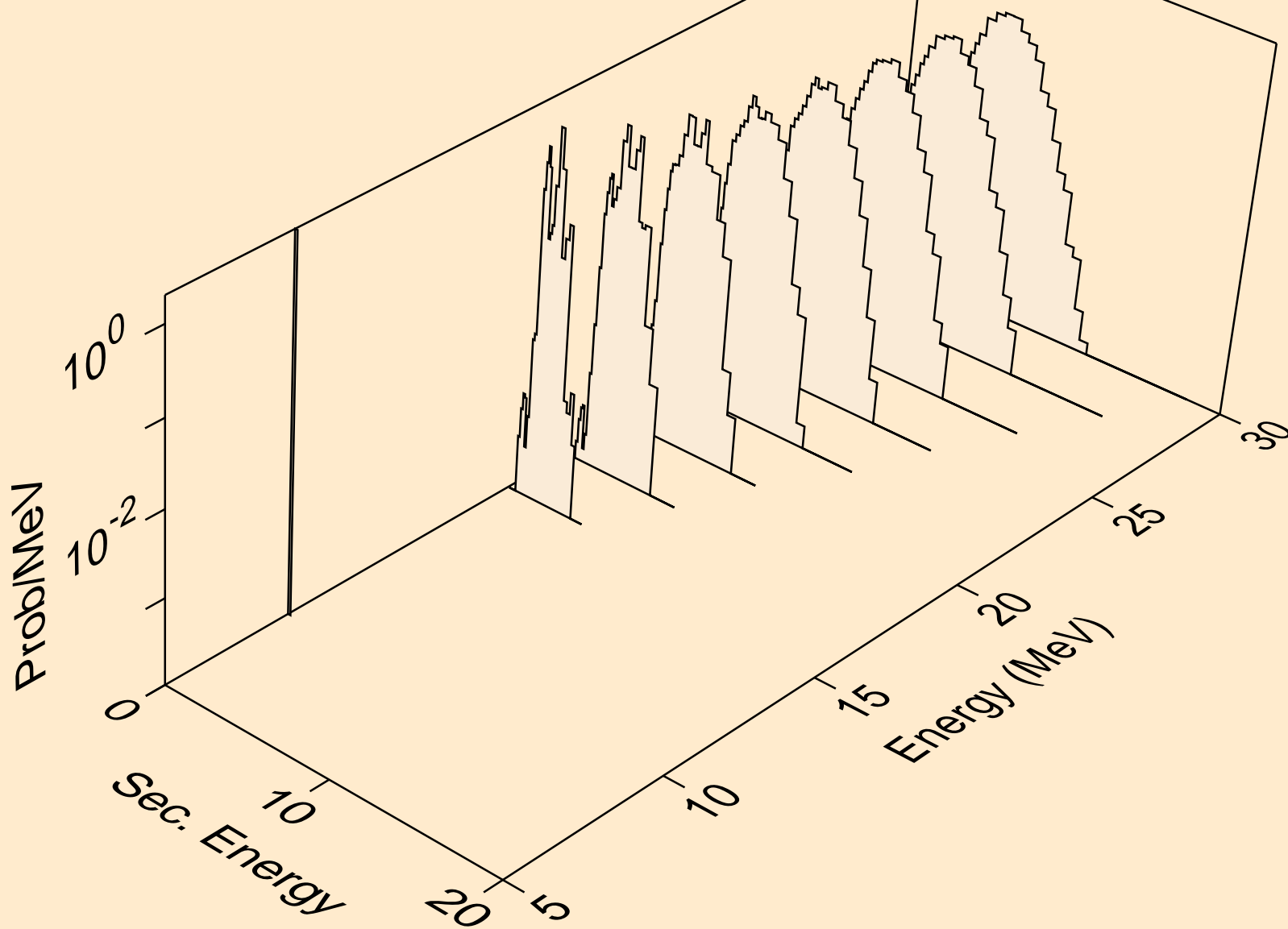




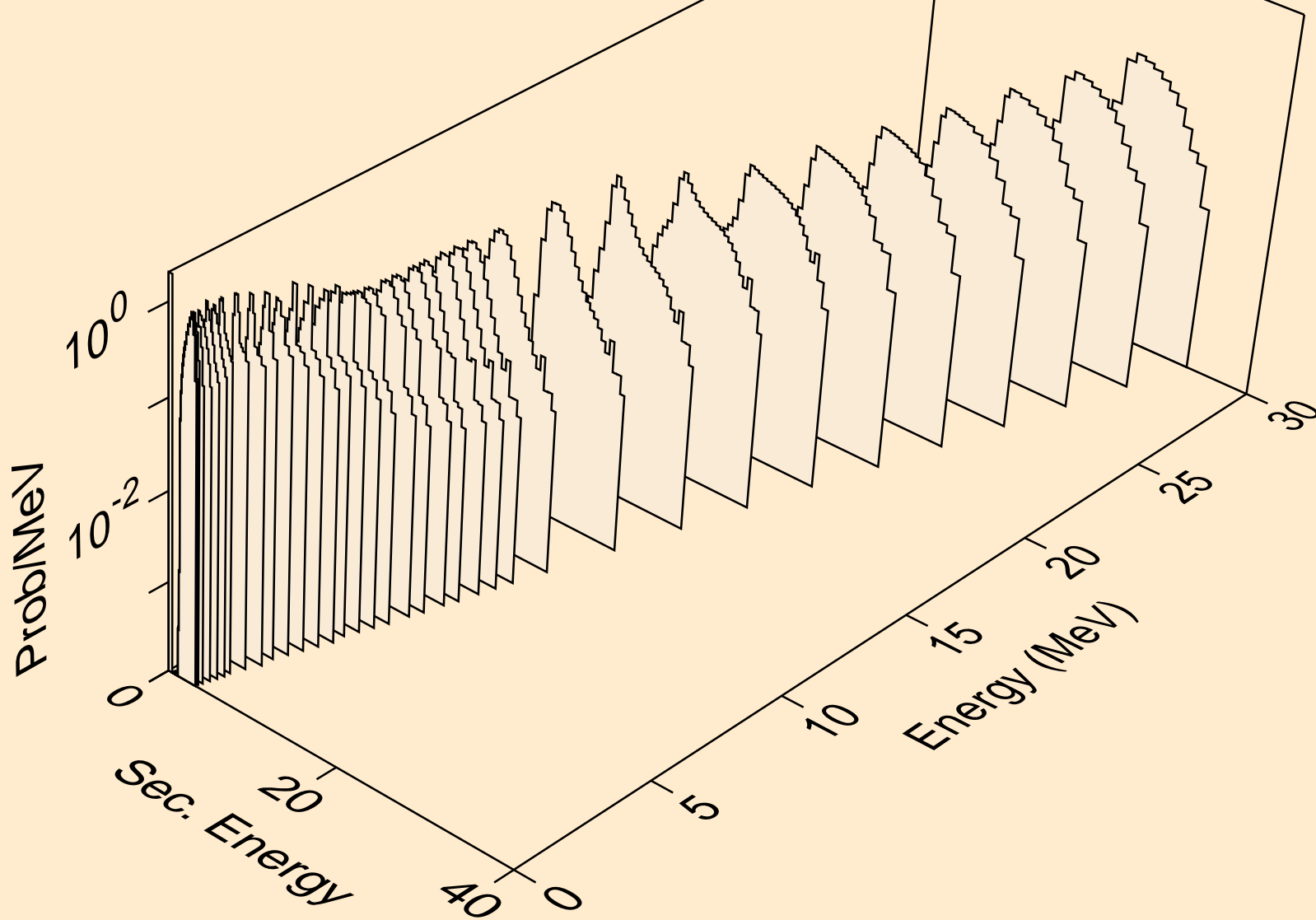
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



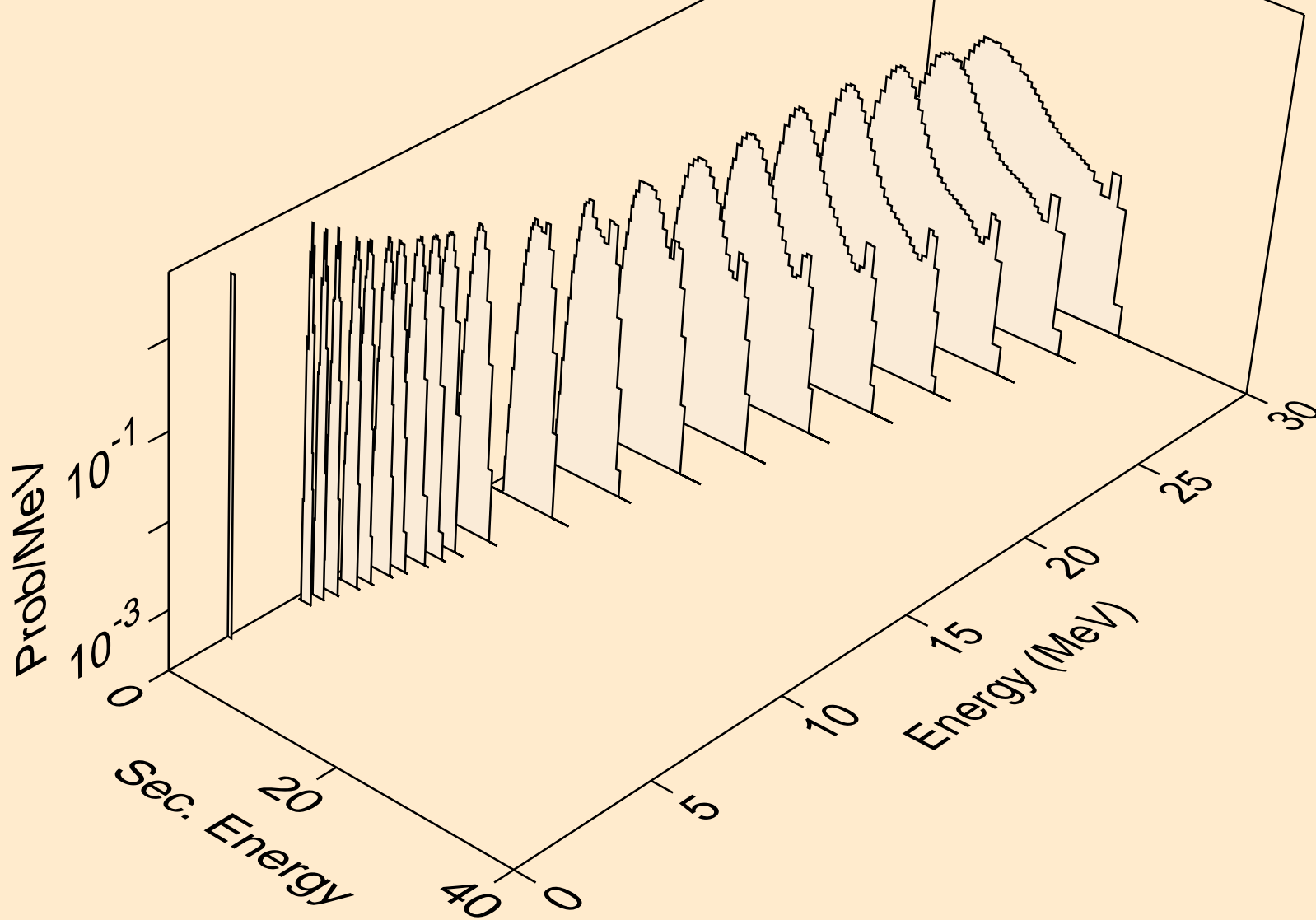
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,npa)



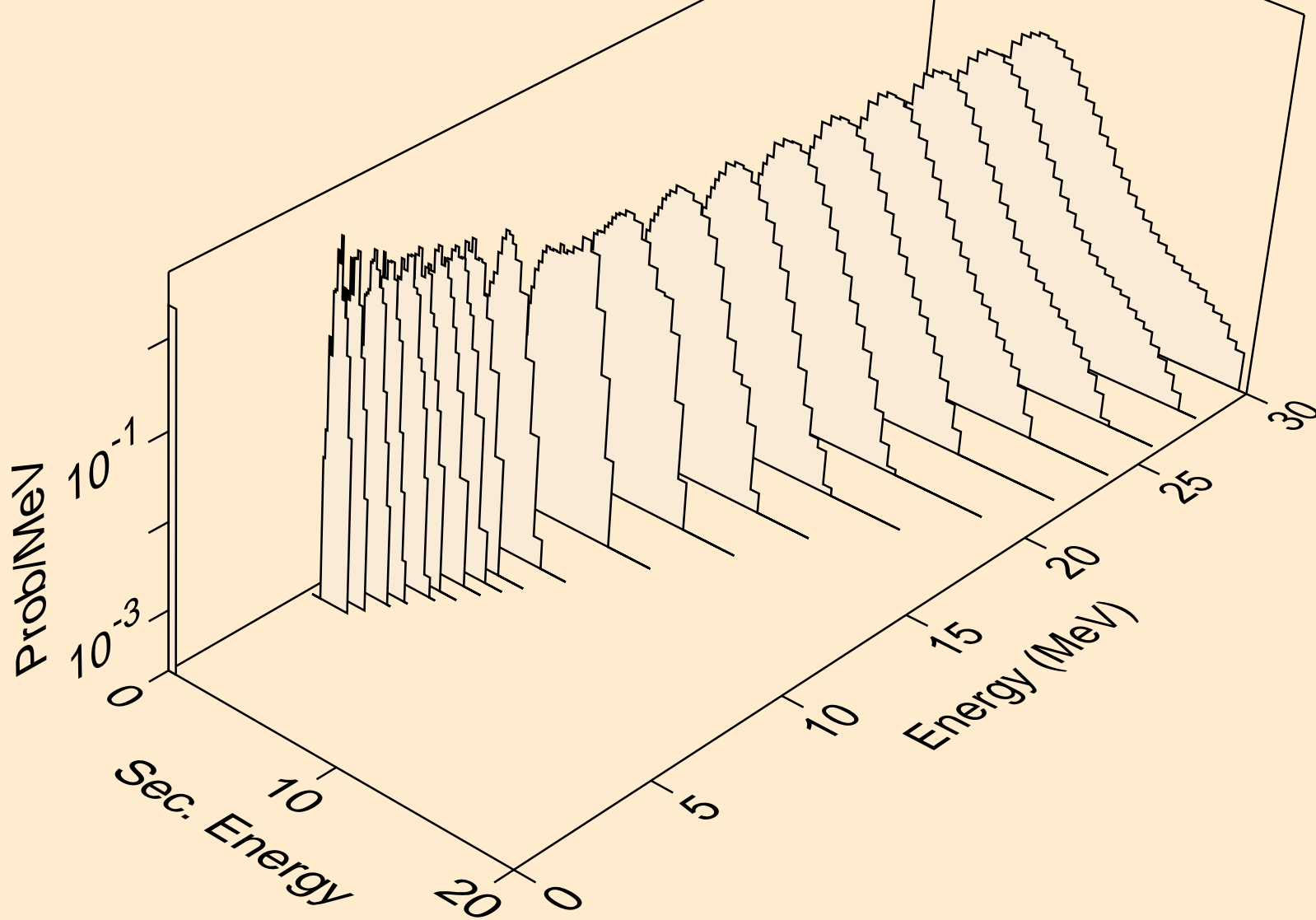
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



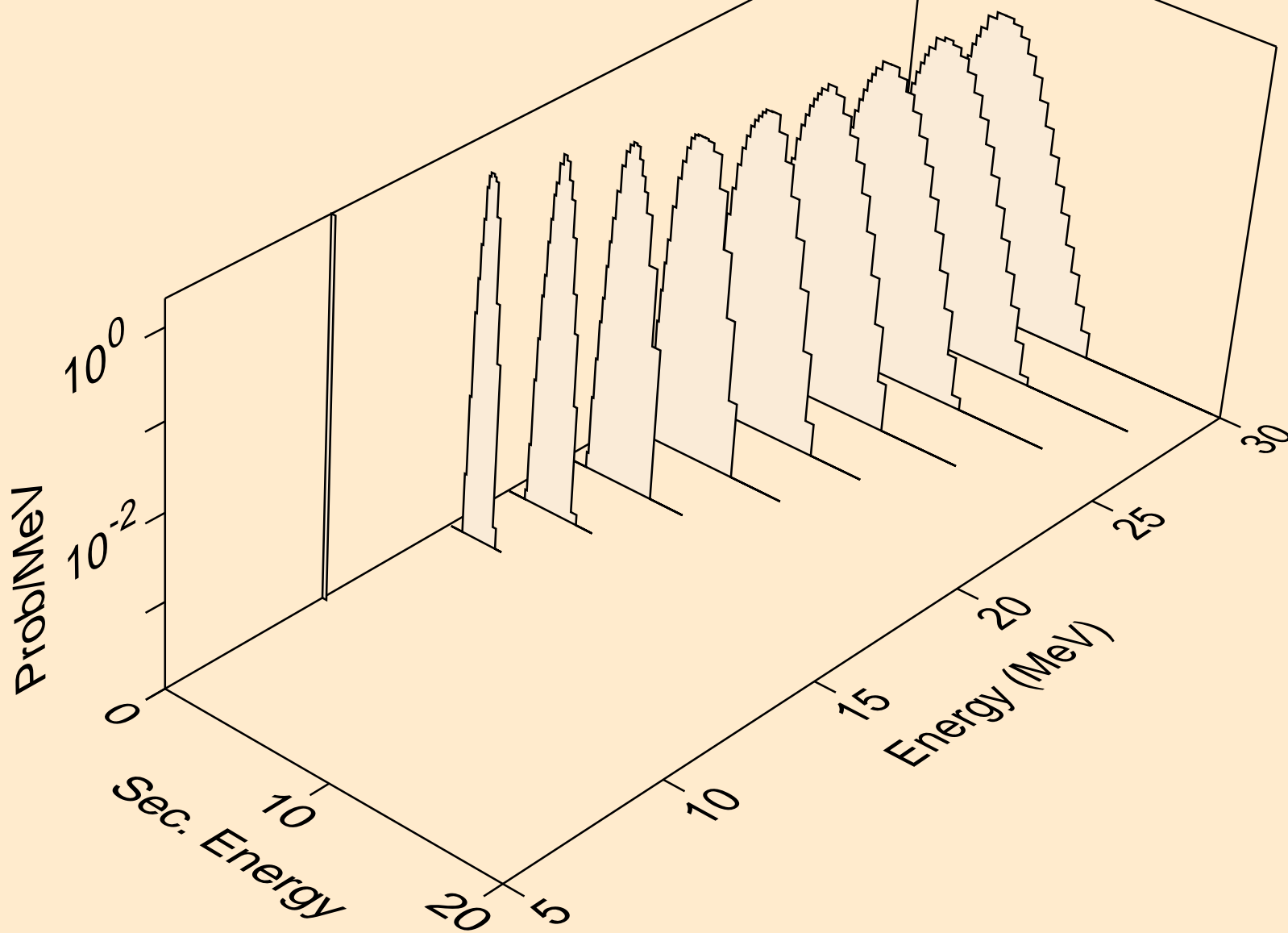
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2p)



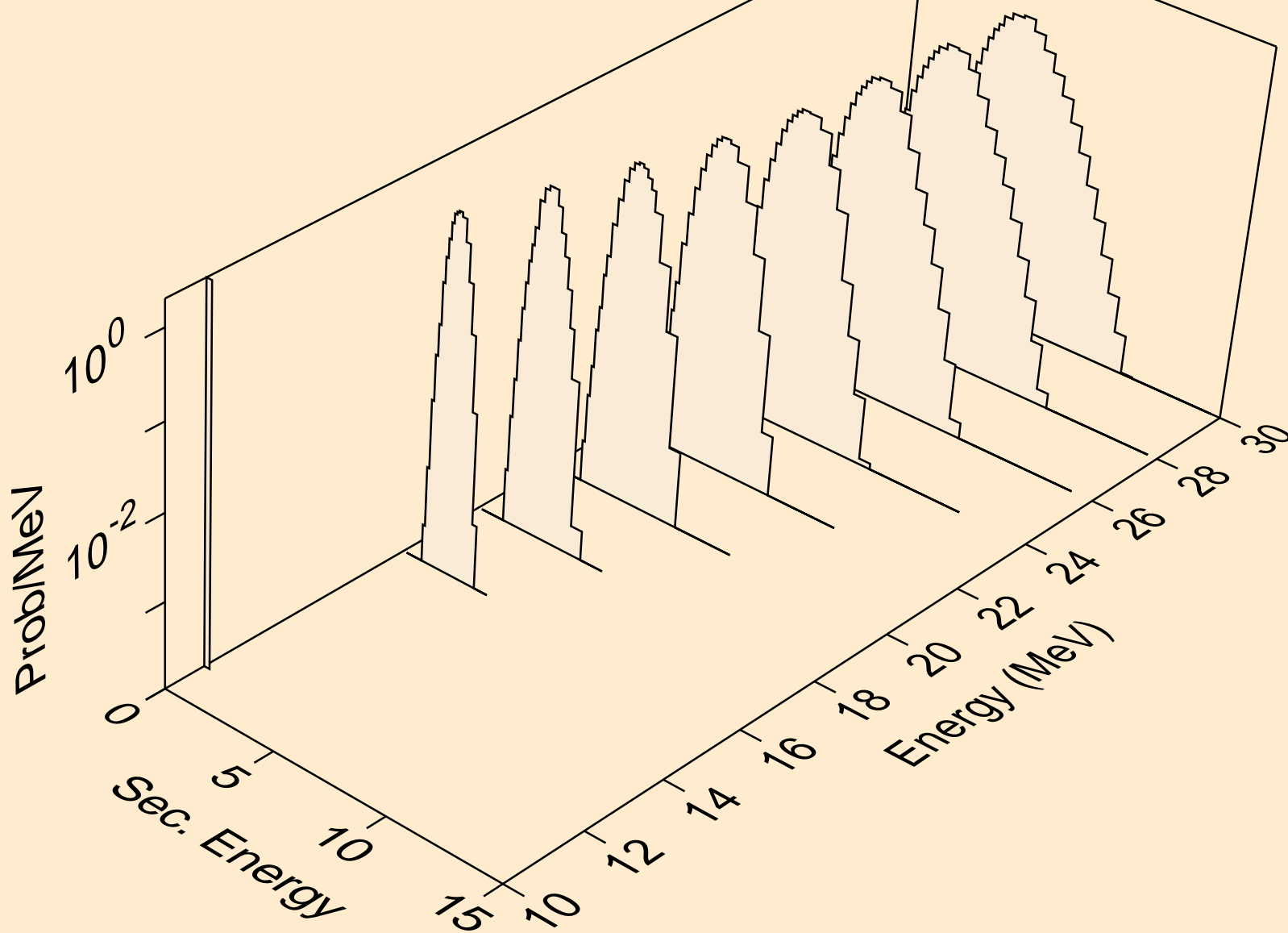
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



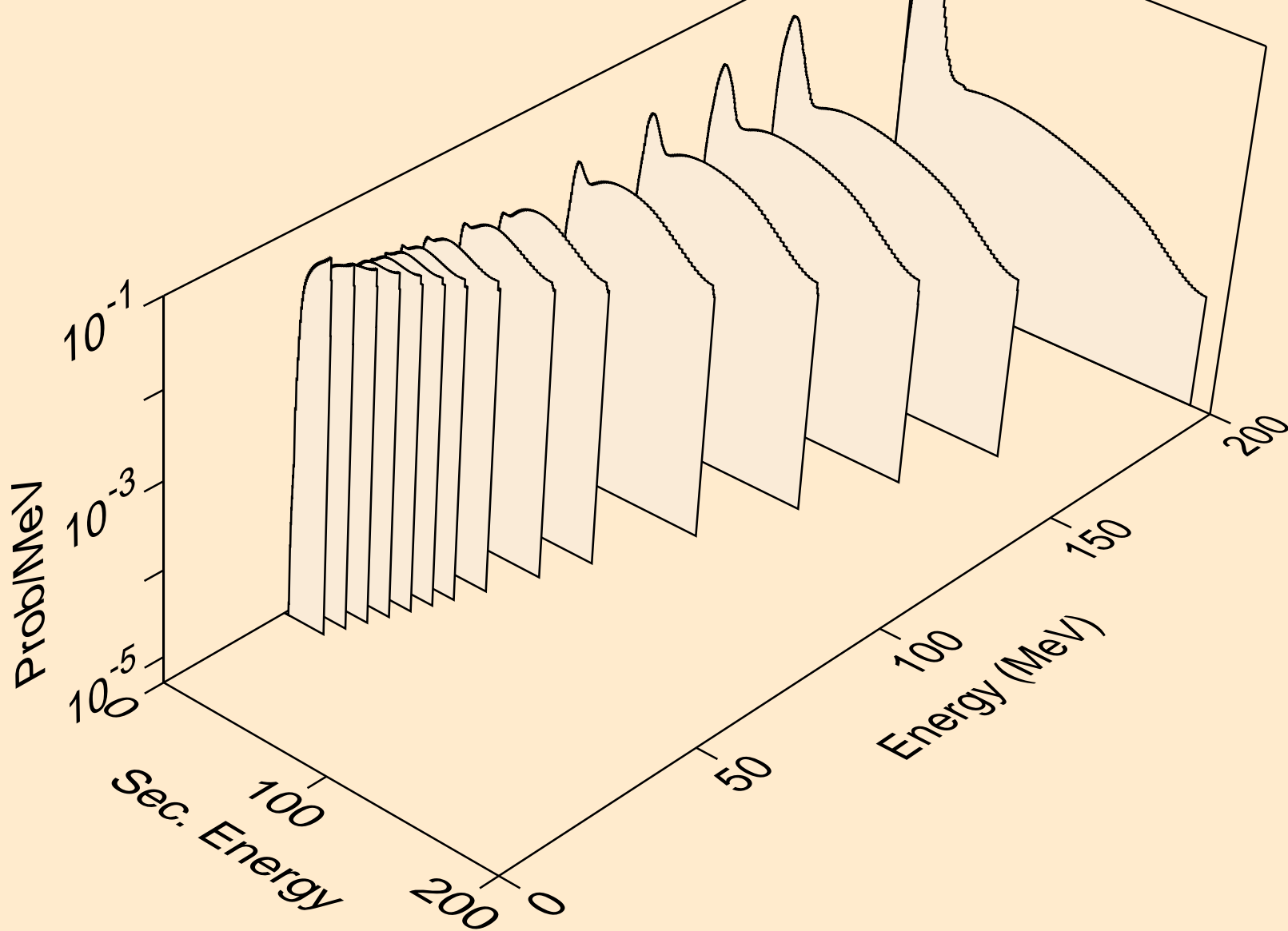
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pd)



SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pt)

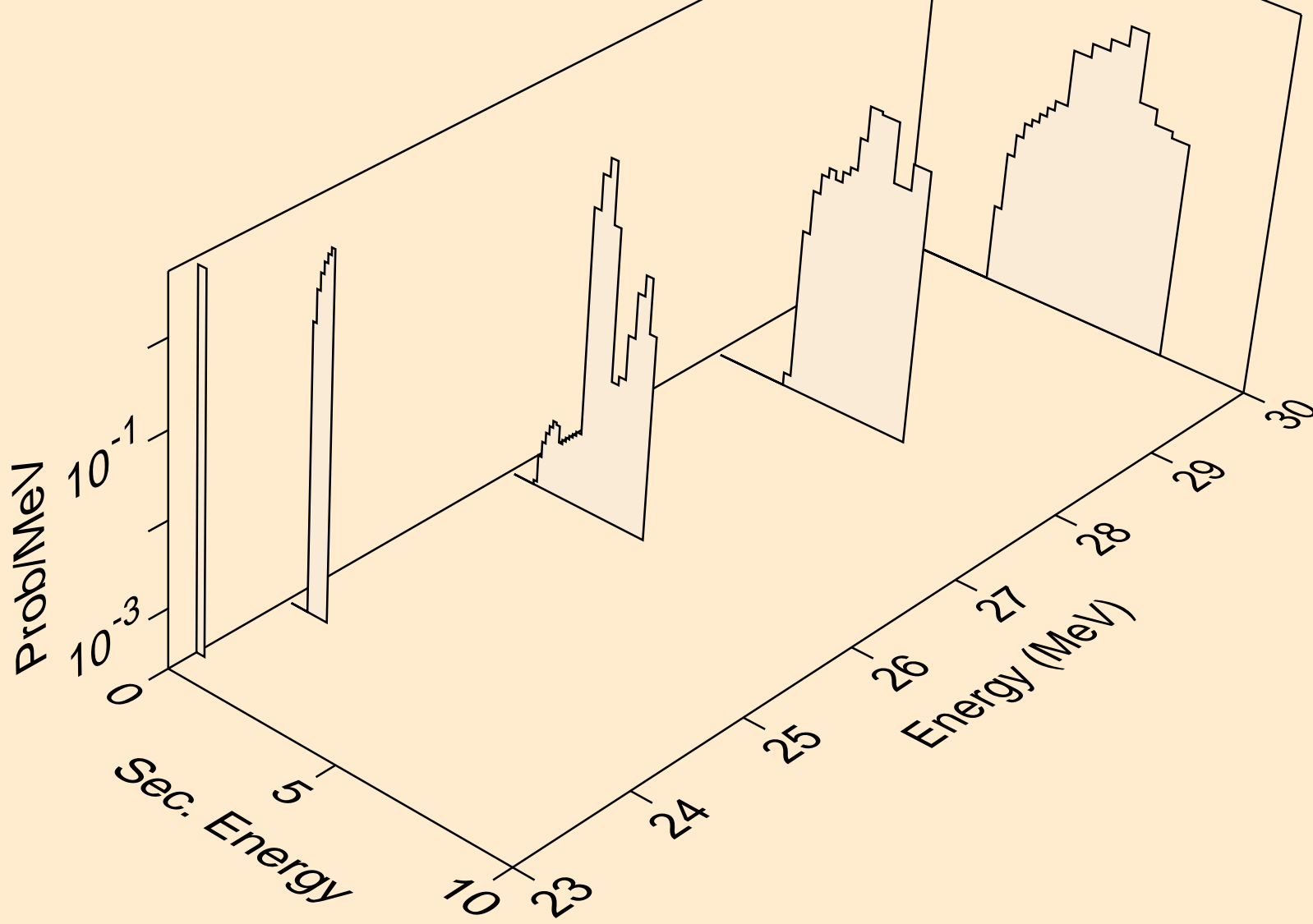


SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)

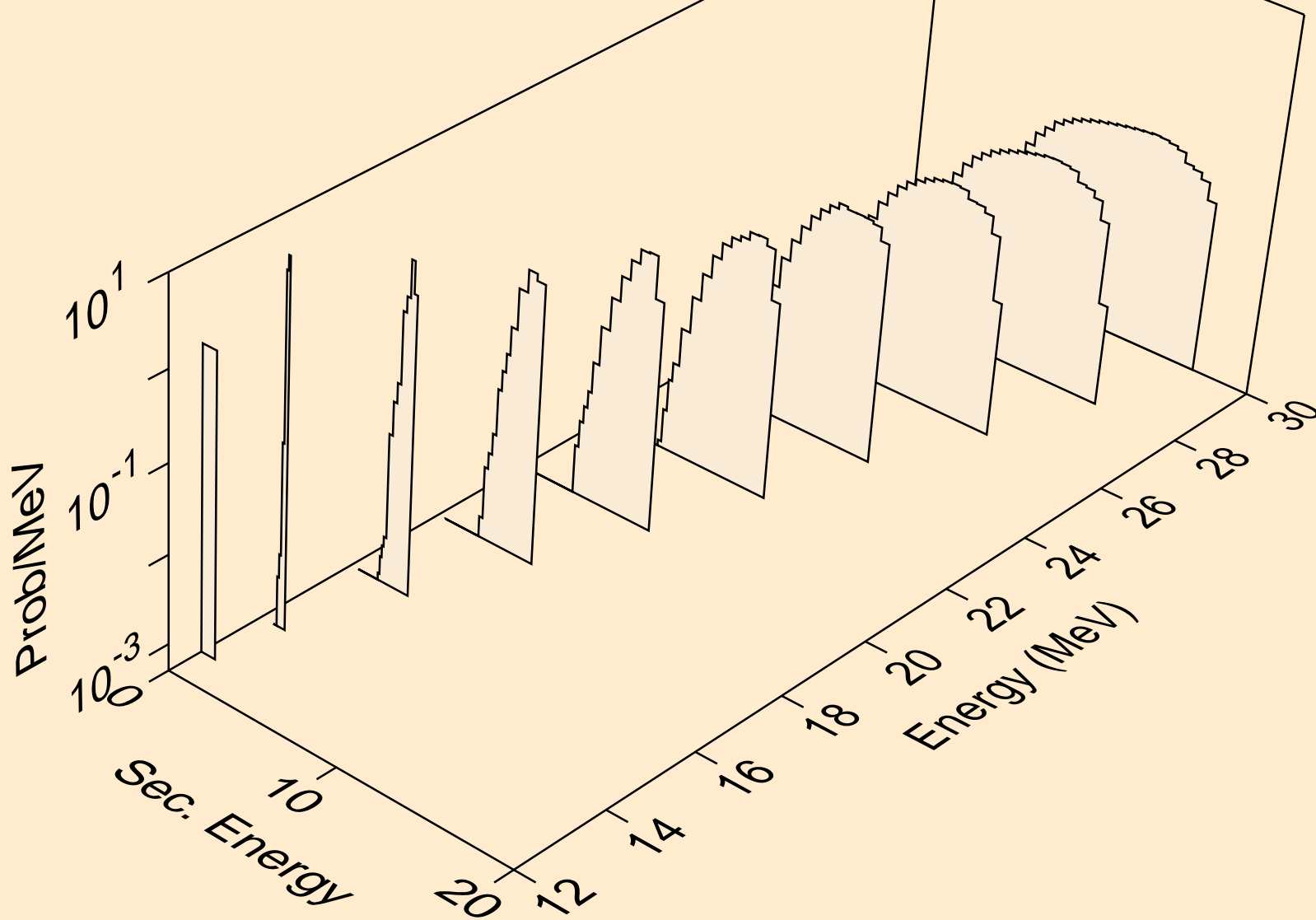




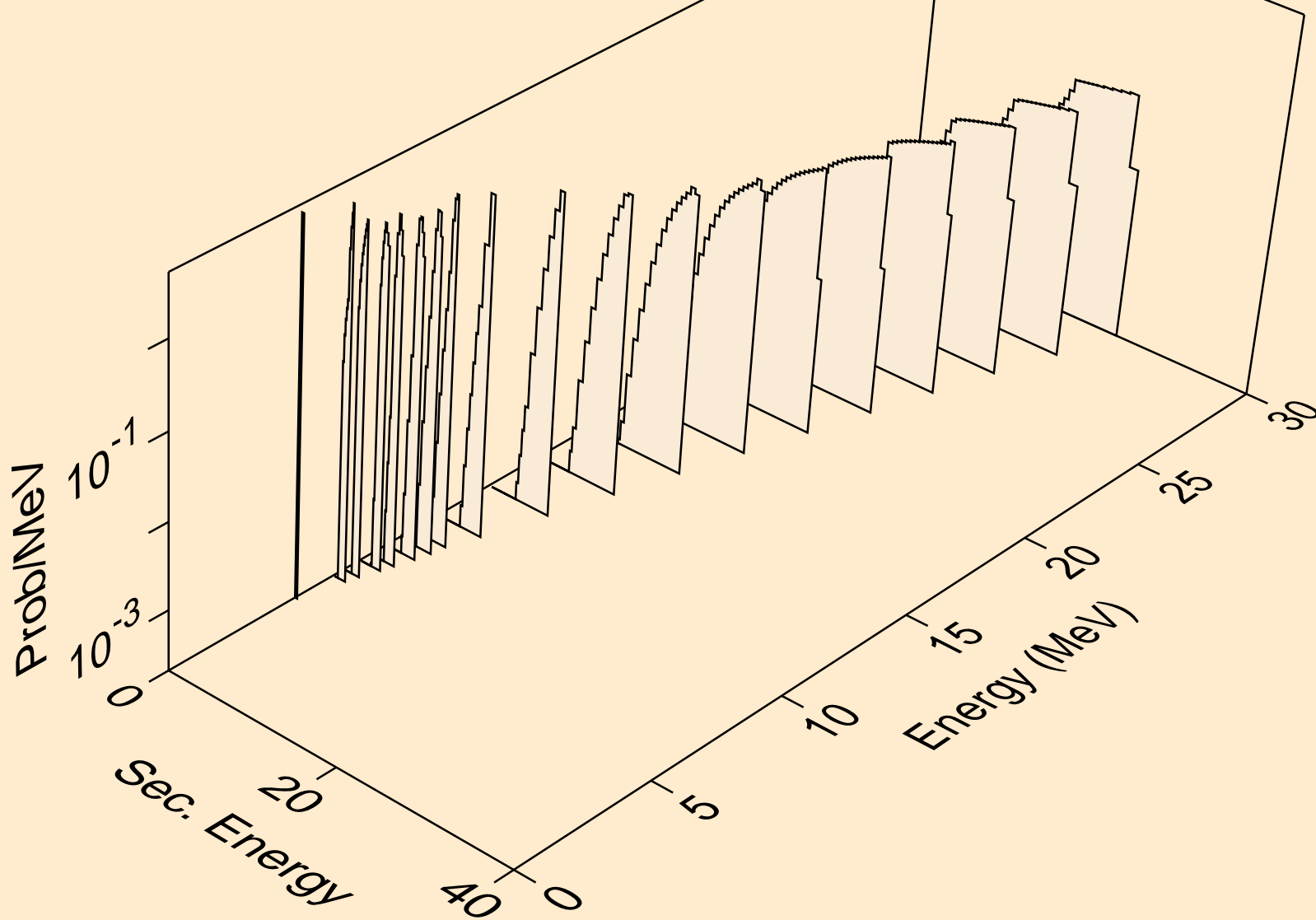
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,2nd)



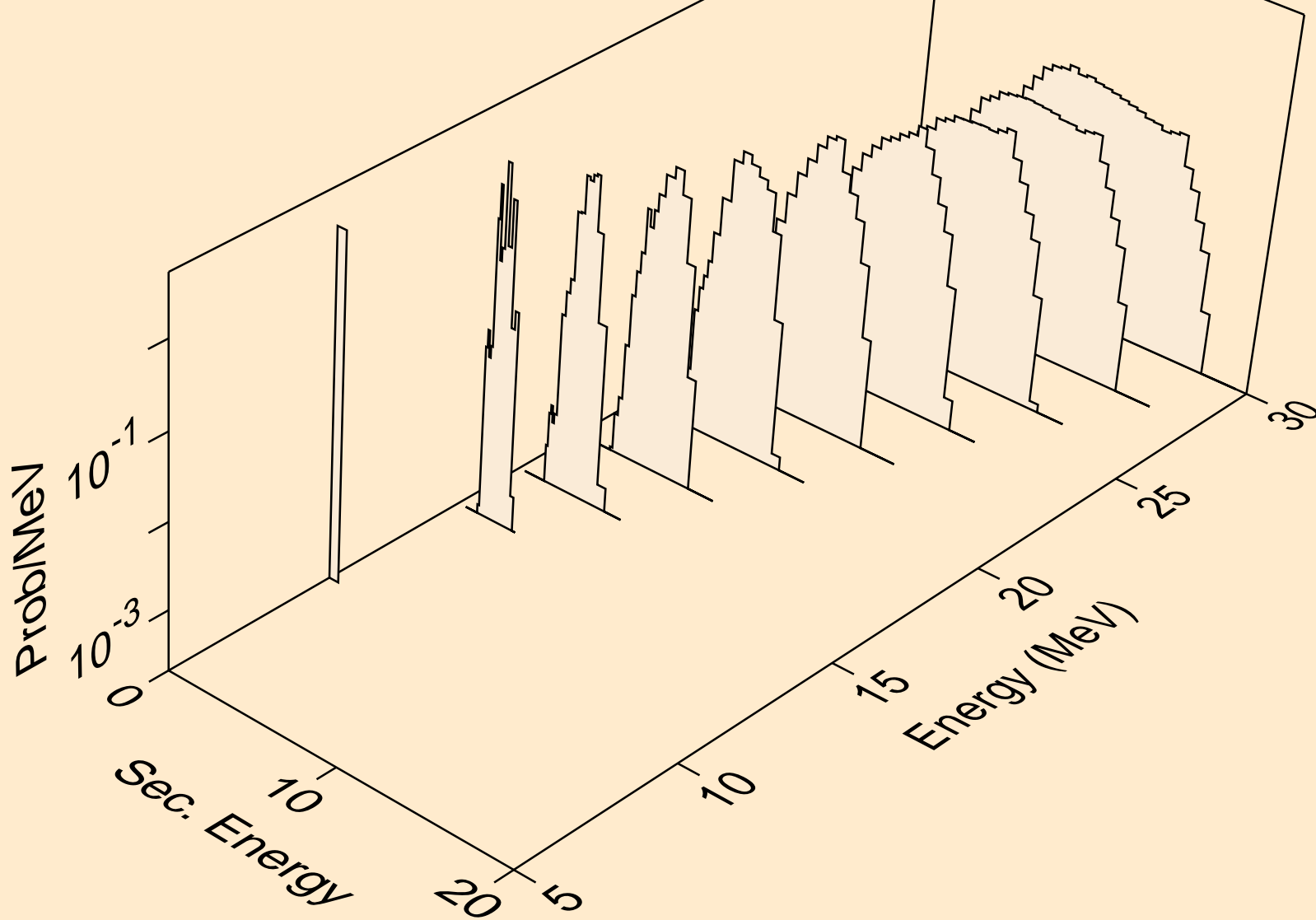
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d



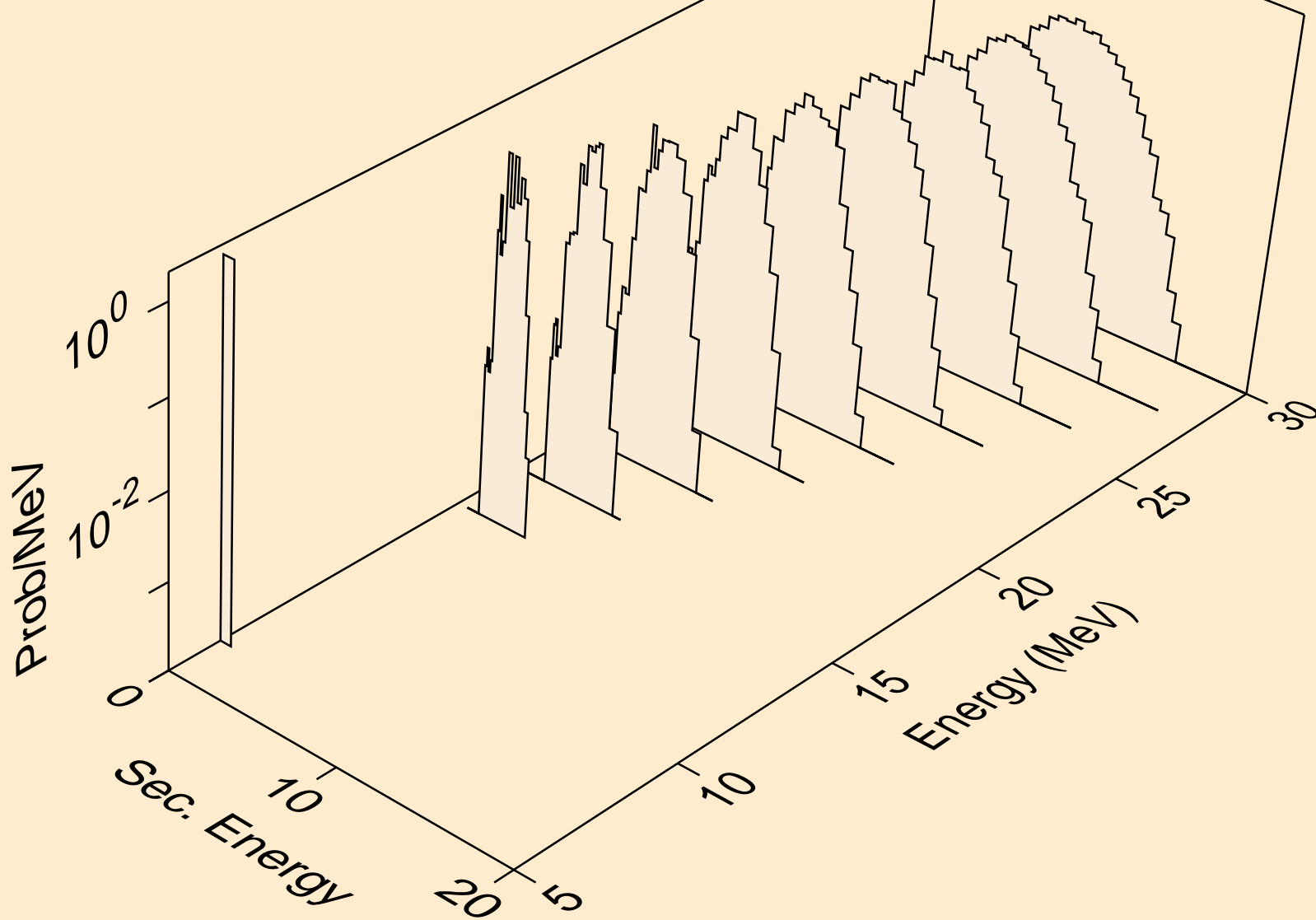
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d)



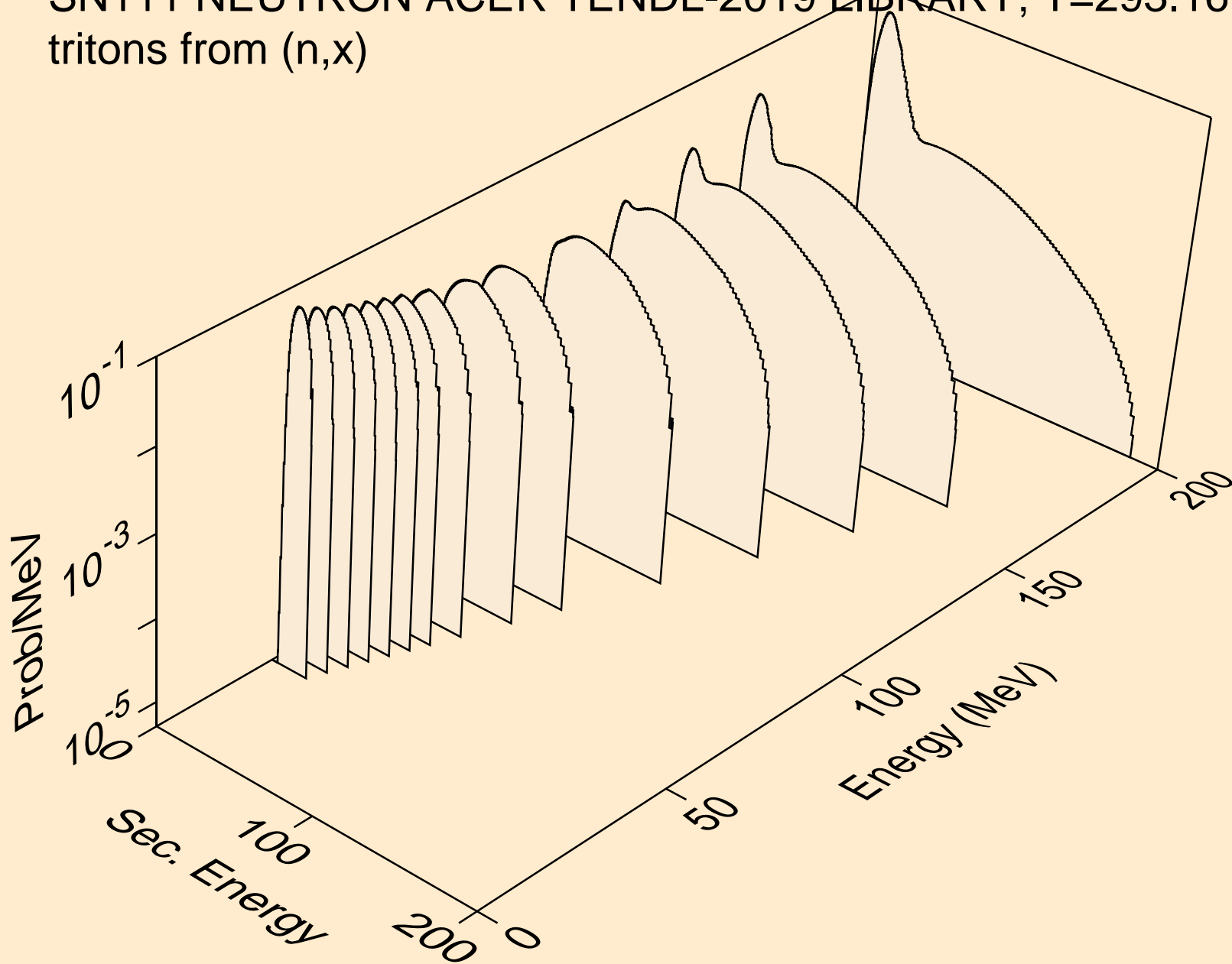
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,pd)



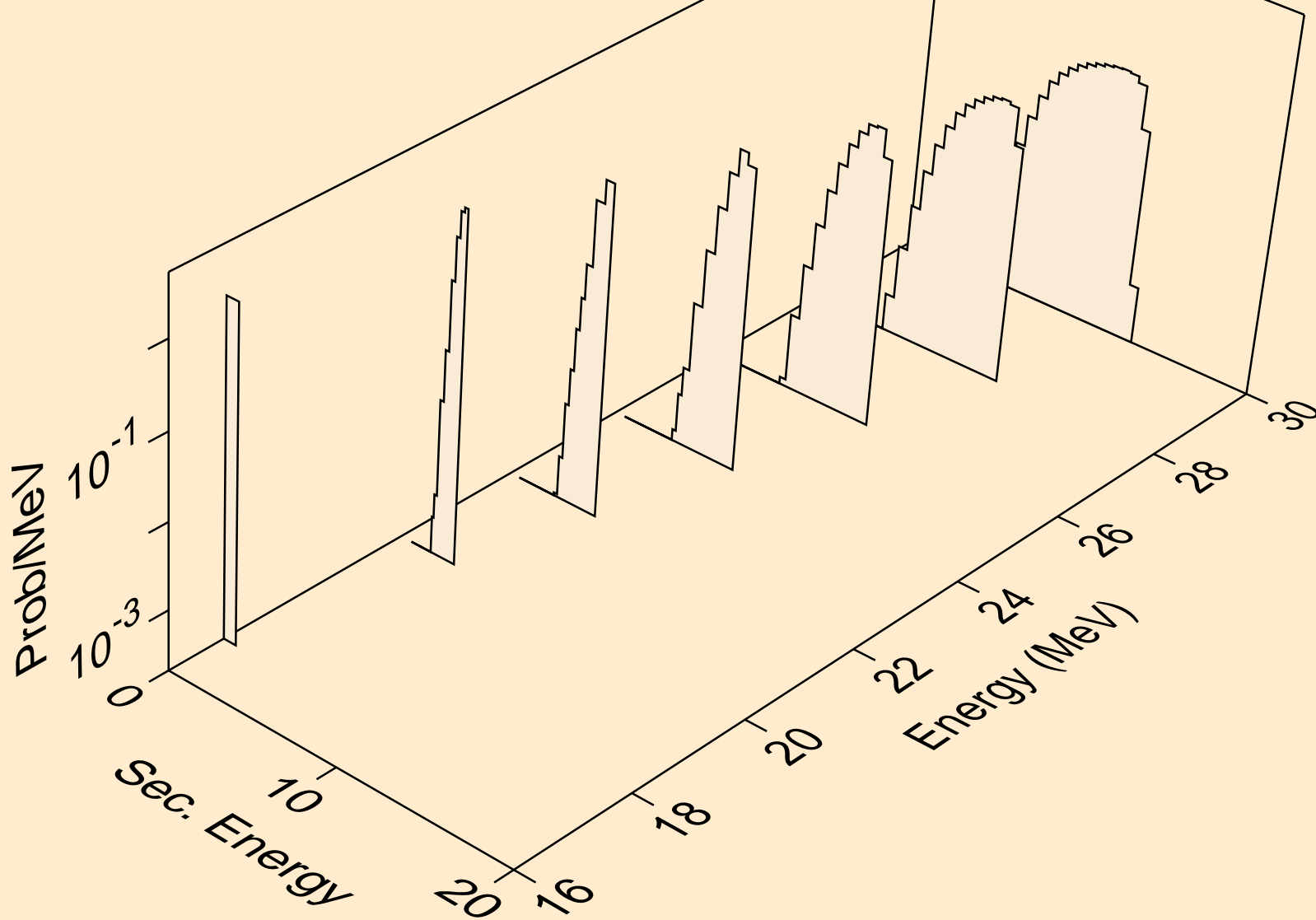
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,da)



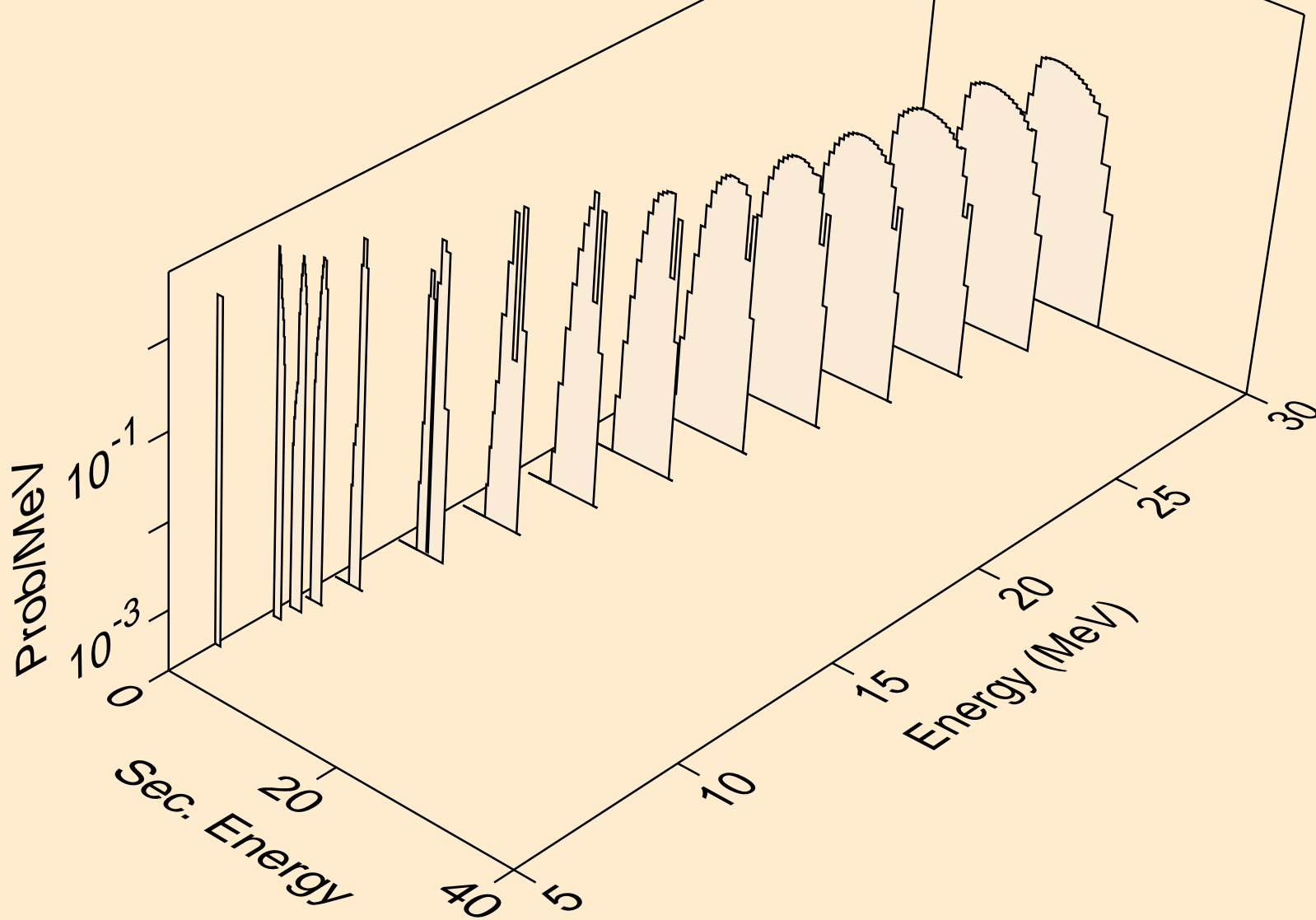
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,x)



SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t

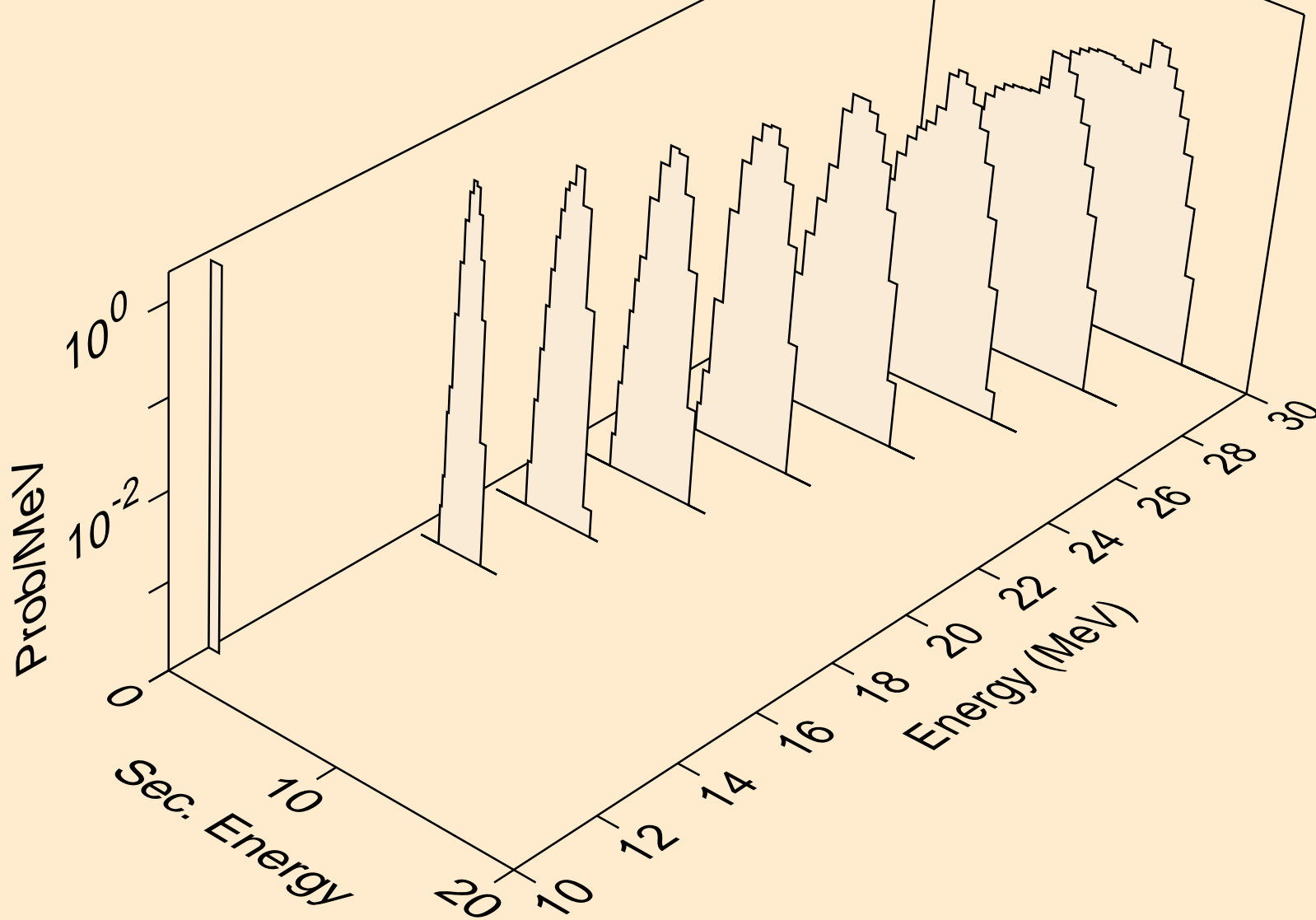


SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)

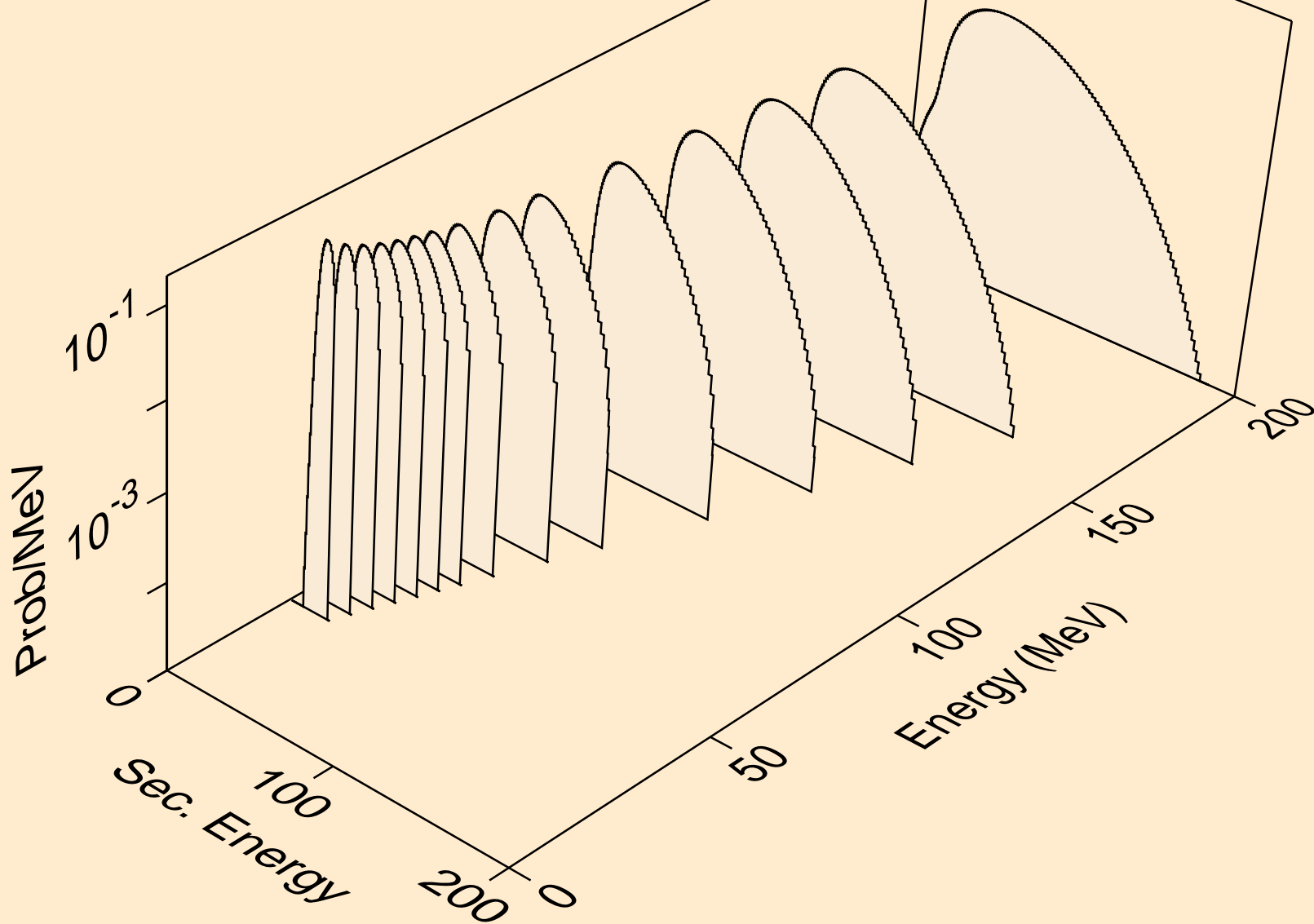




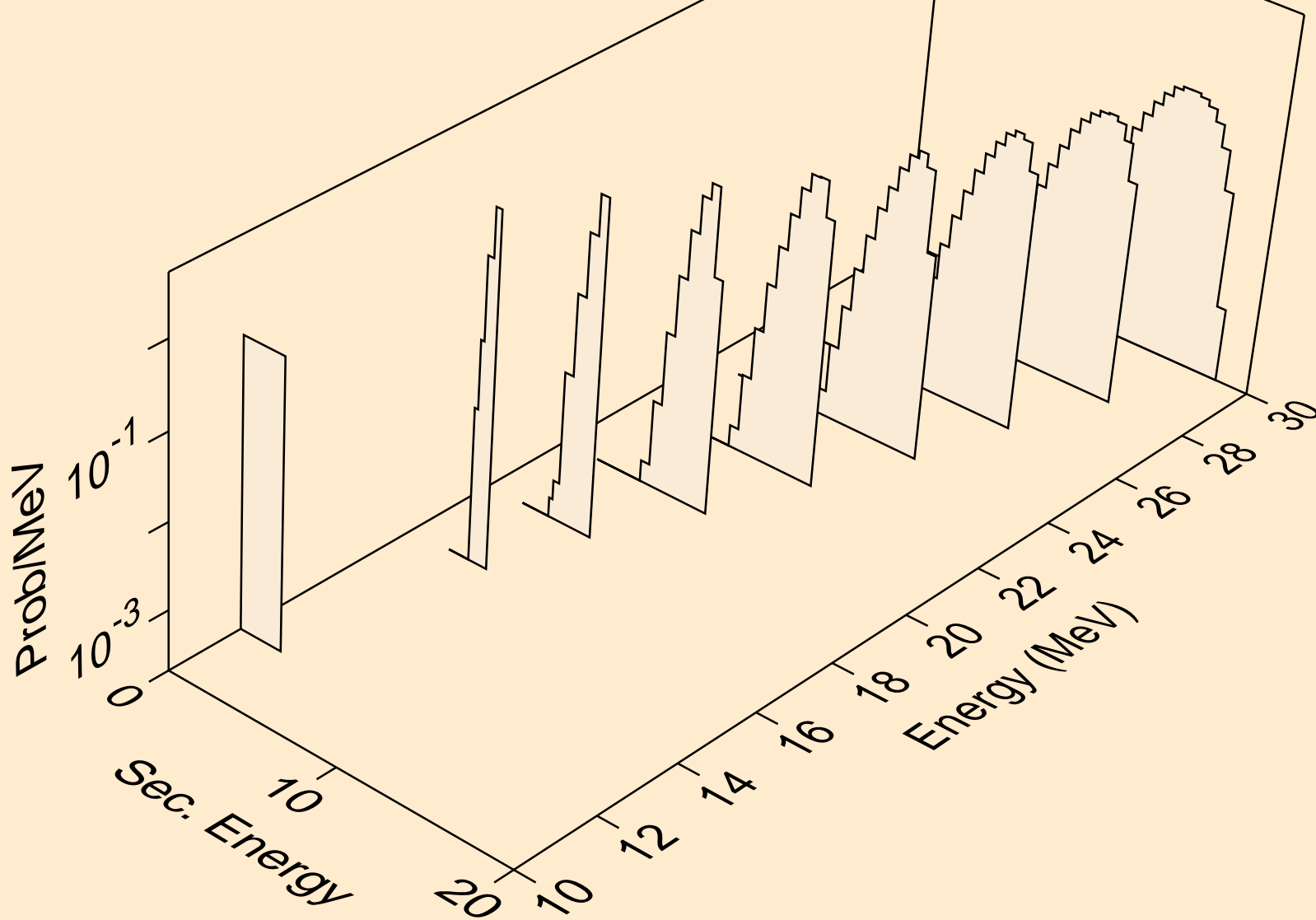
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,pt)



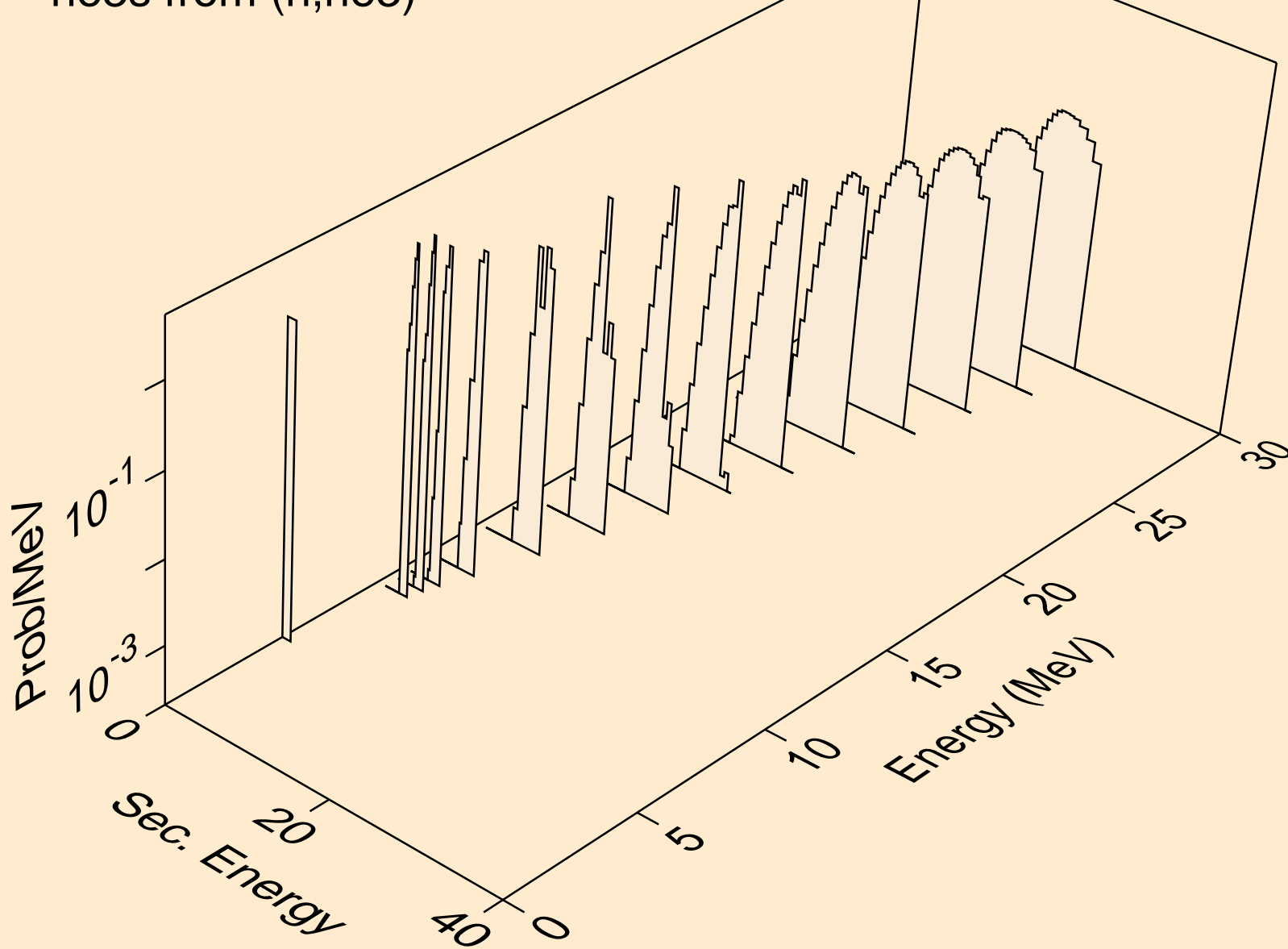
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)



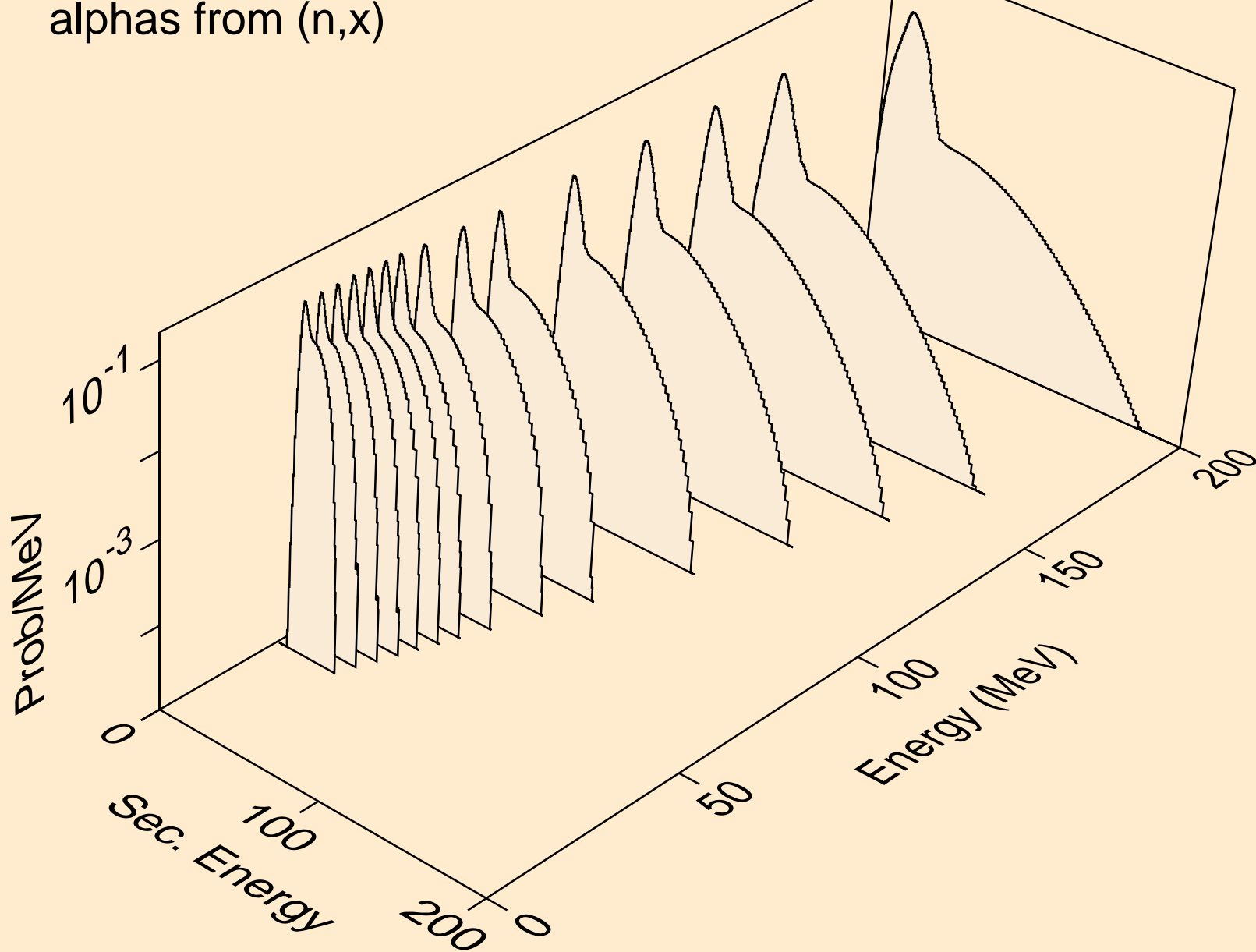
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3



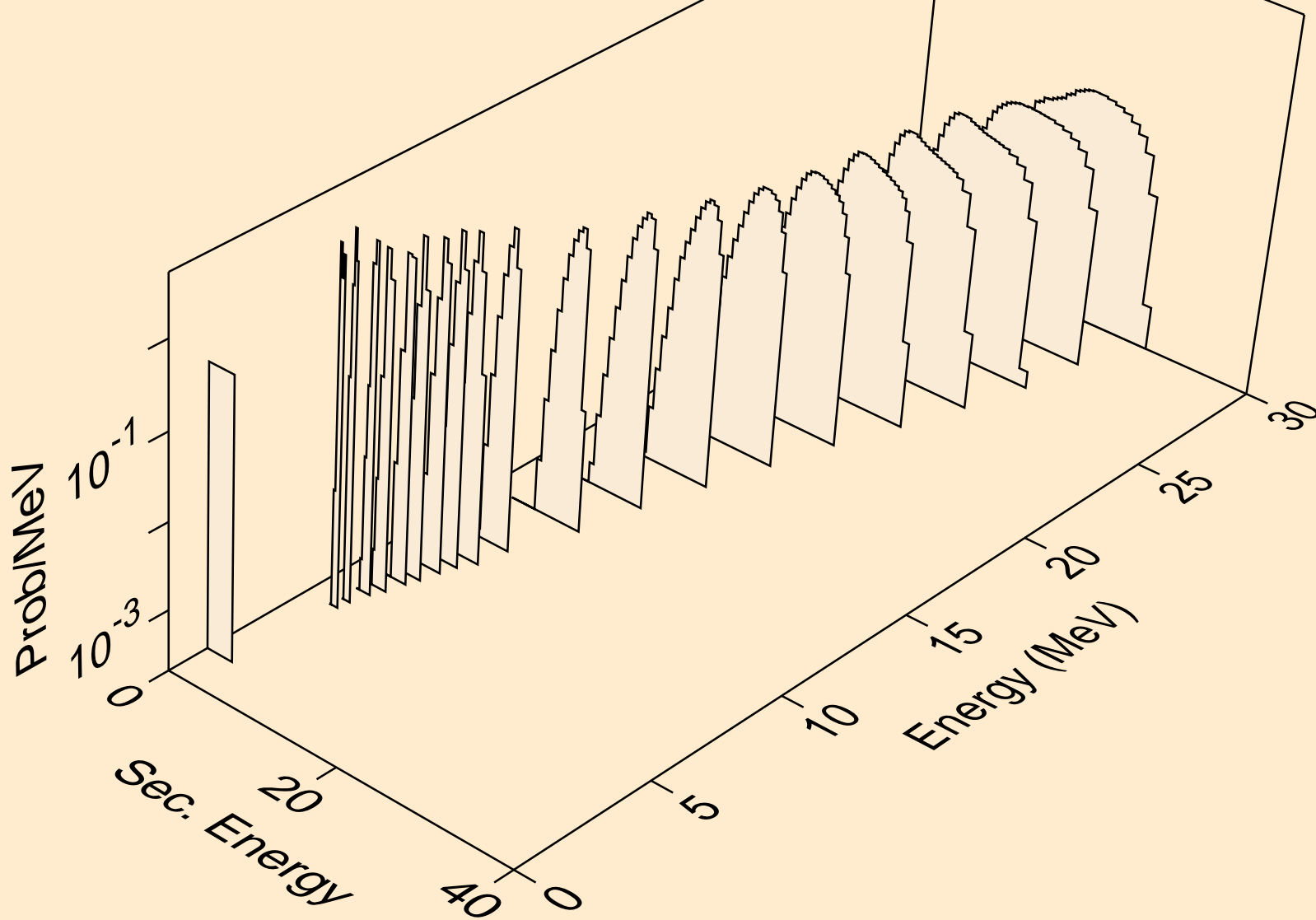
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,he3)



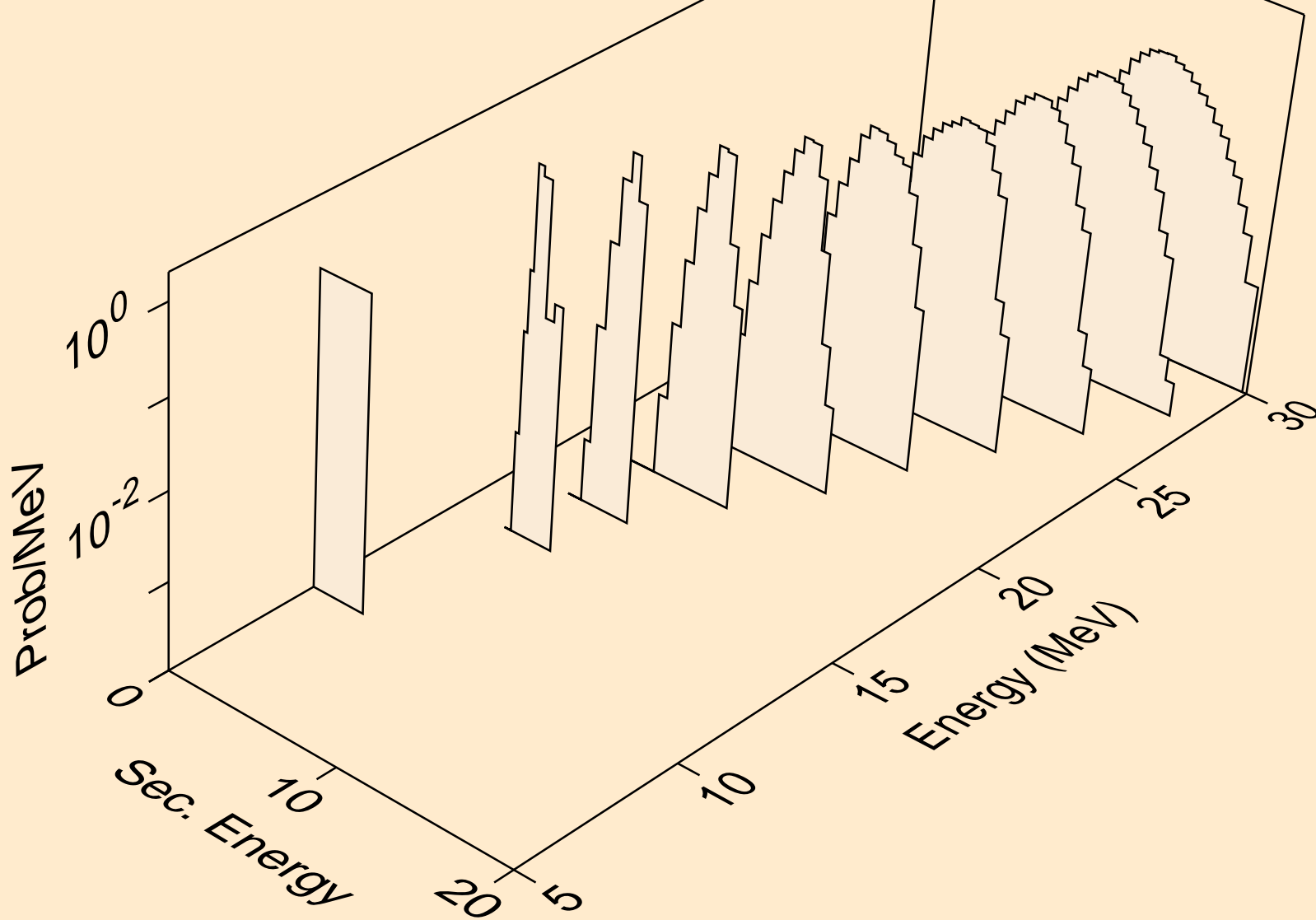
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)



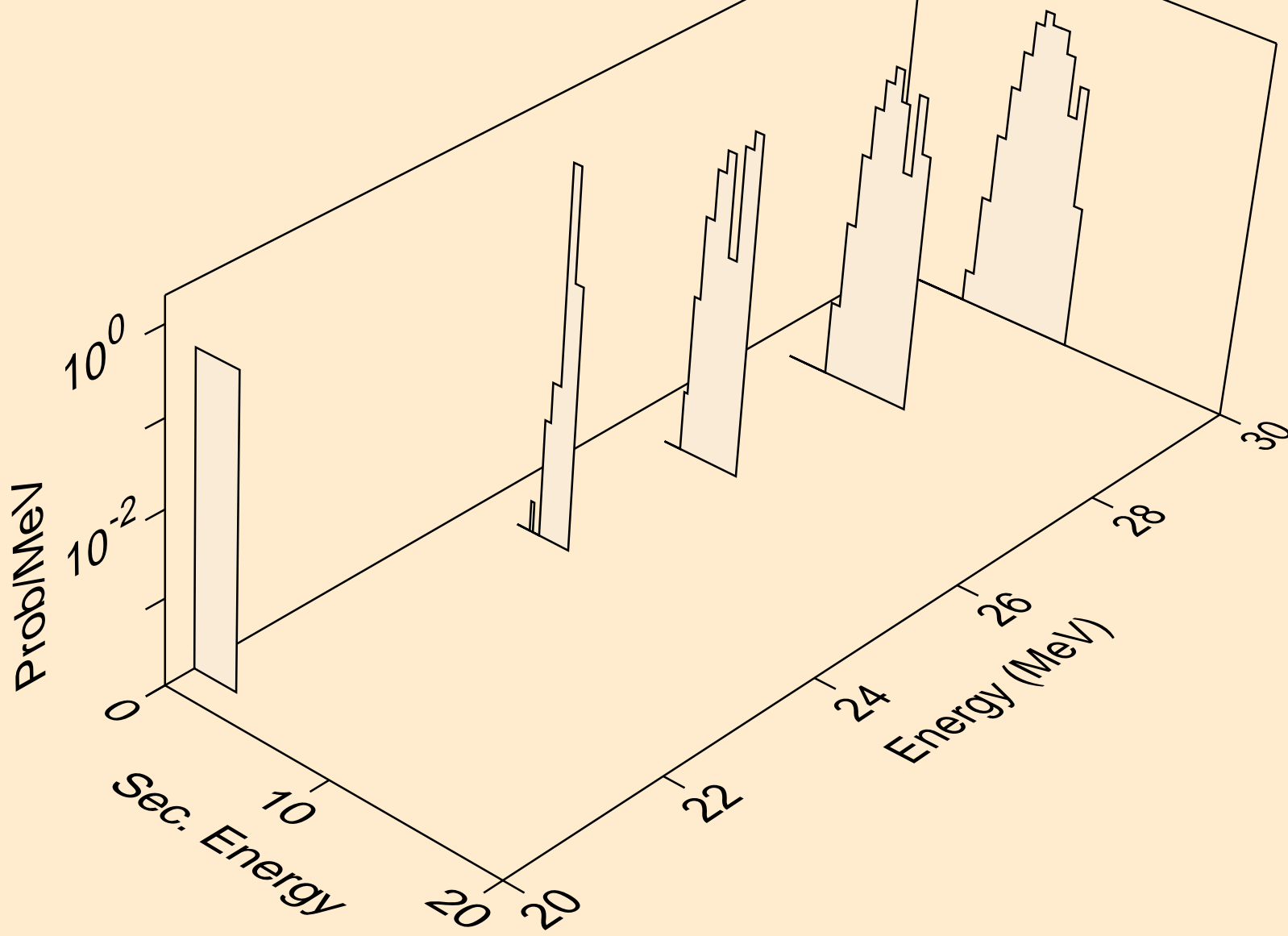
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a

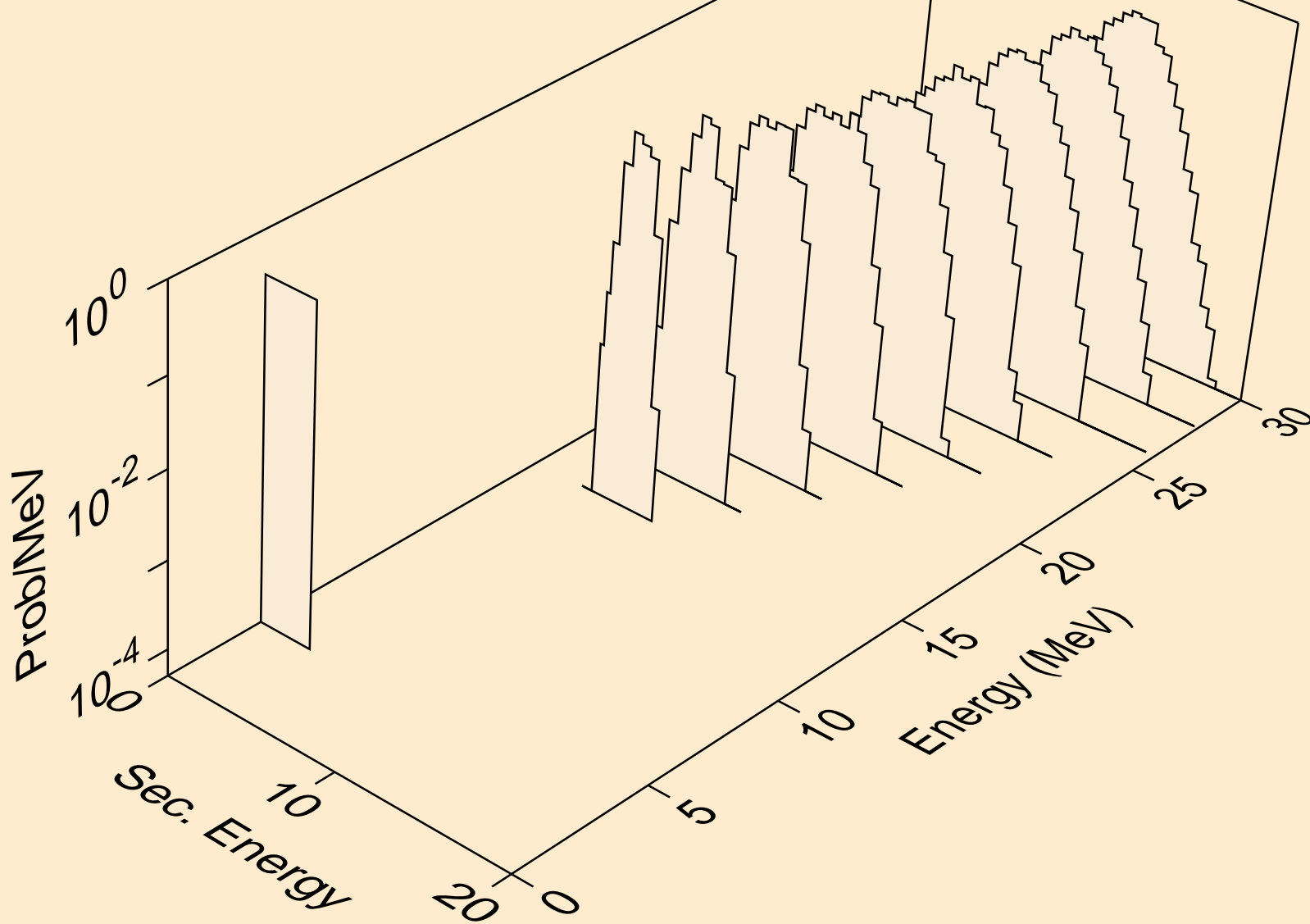


SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a

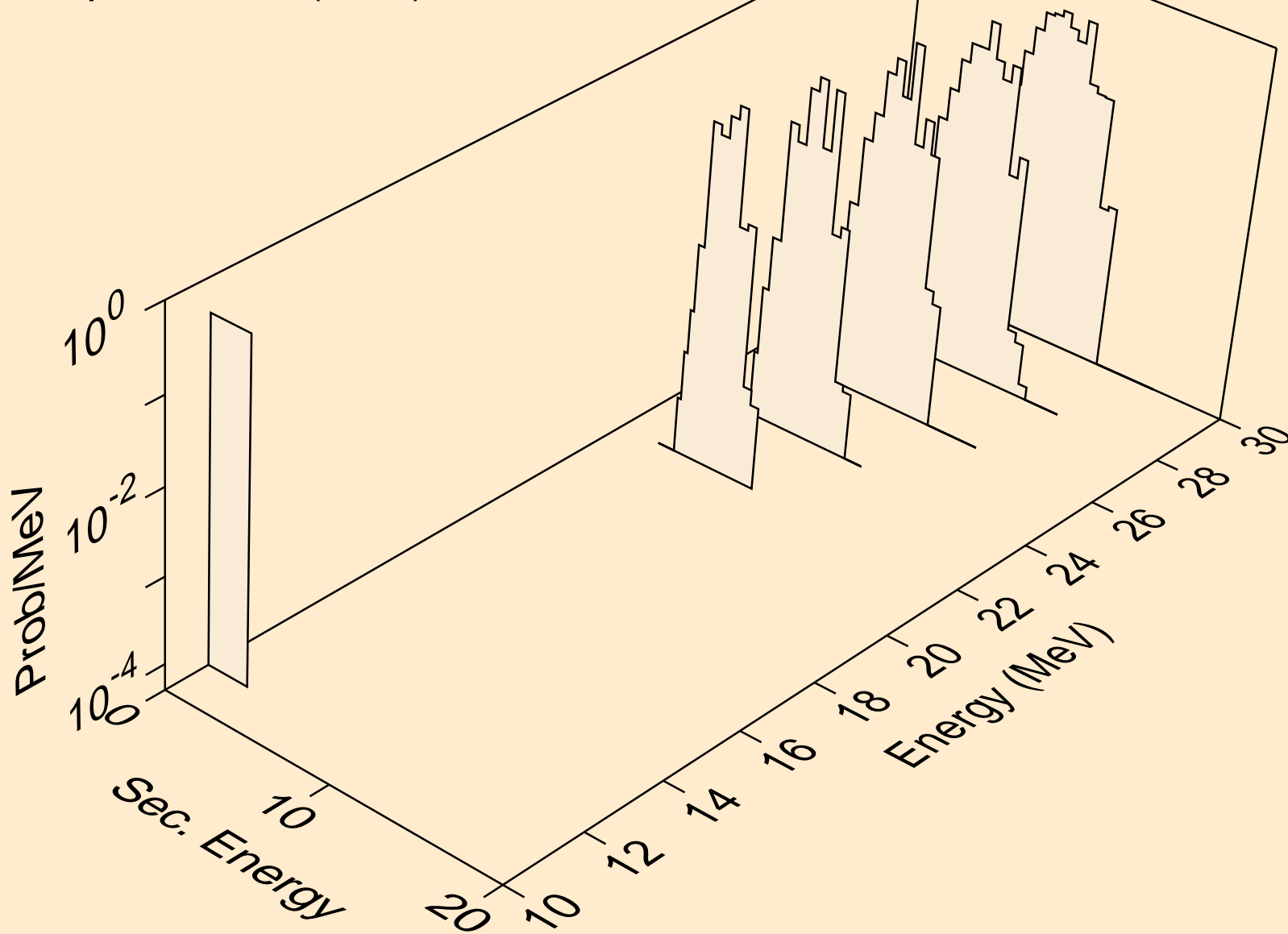




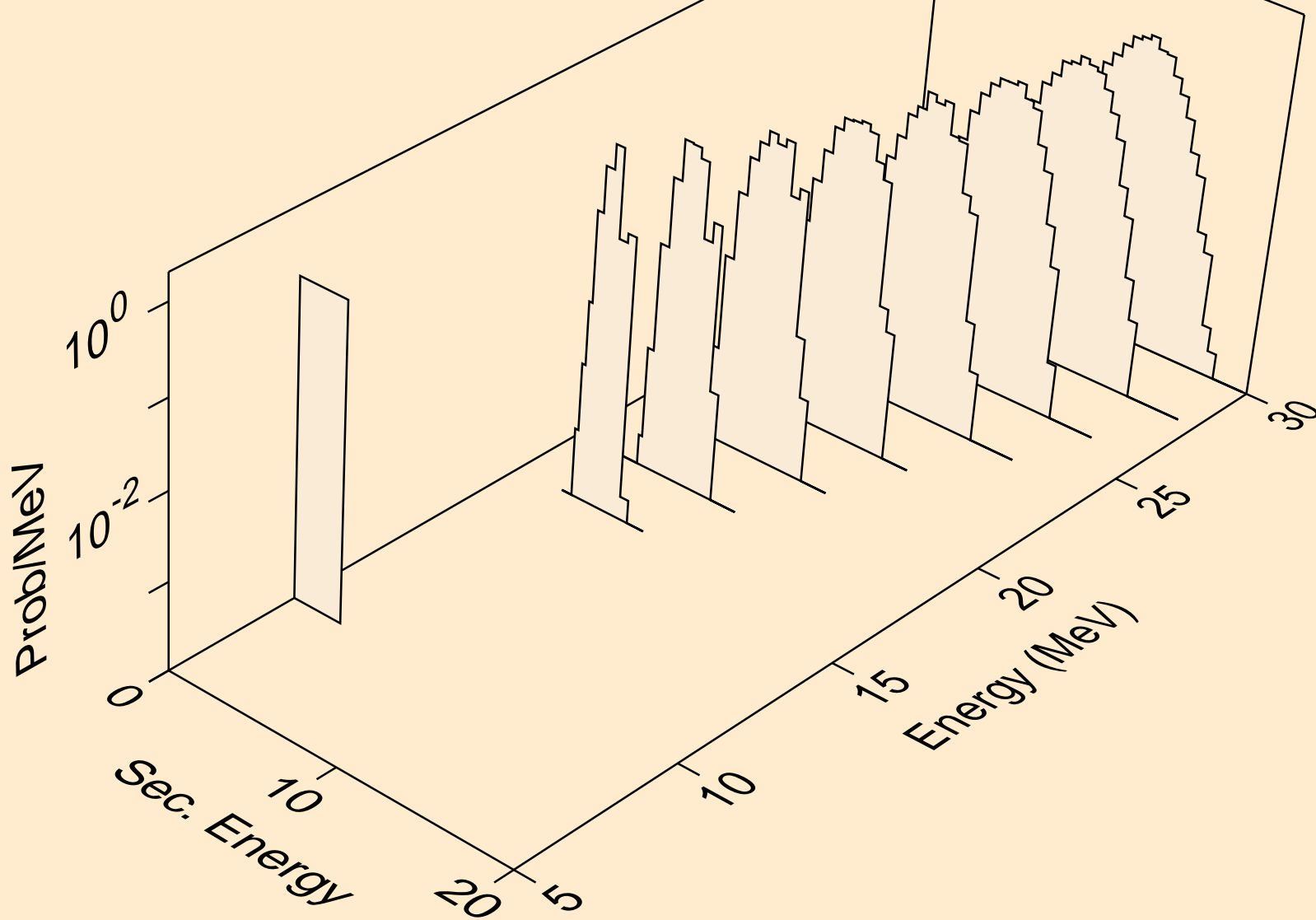
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a



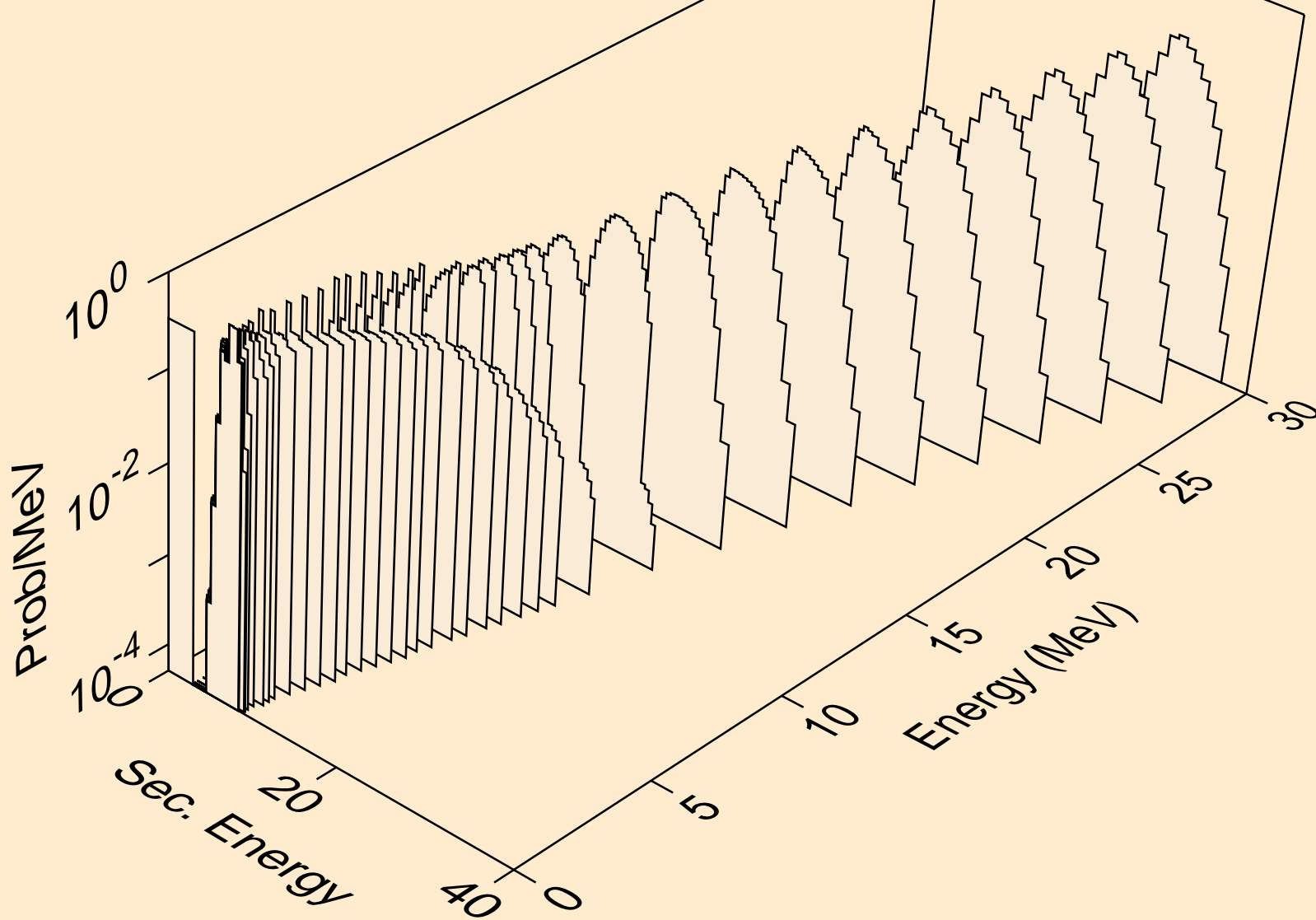
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)2a



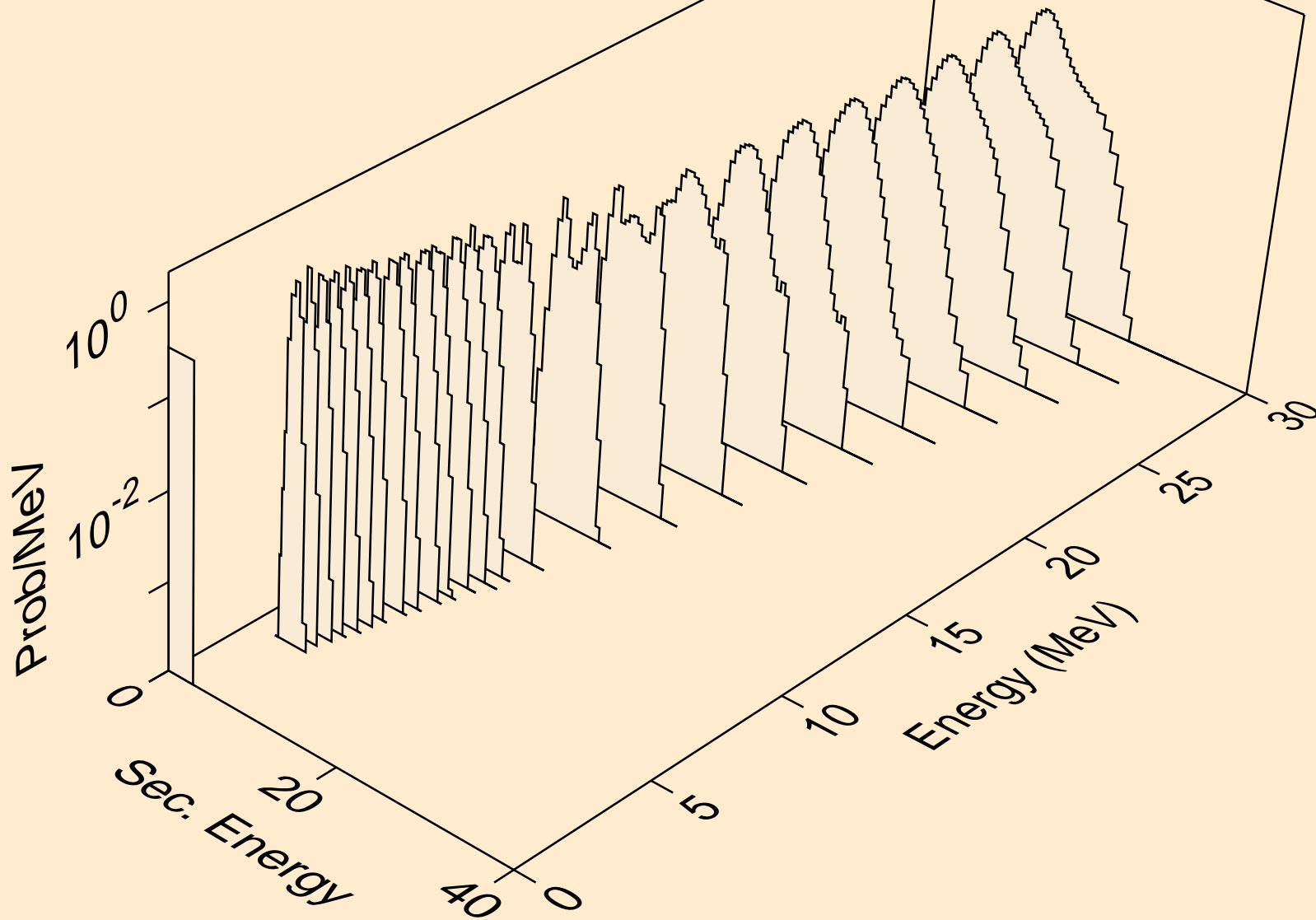
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)



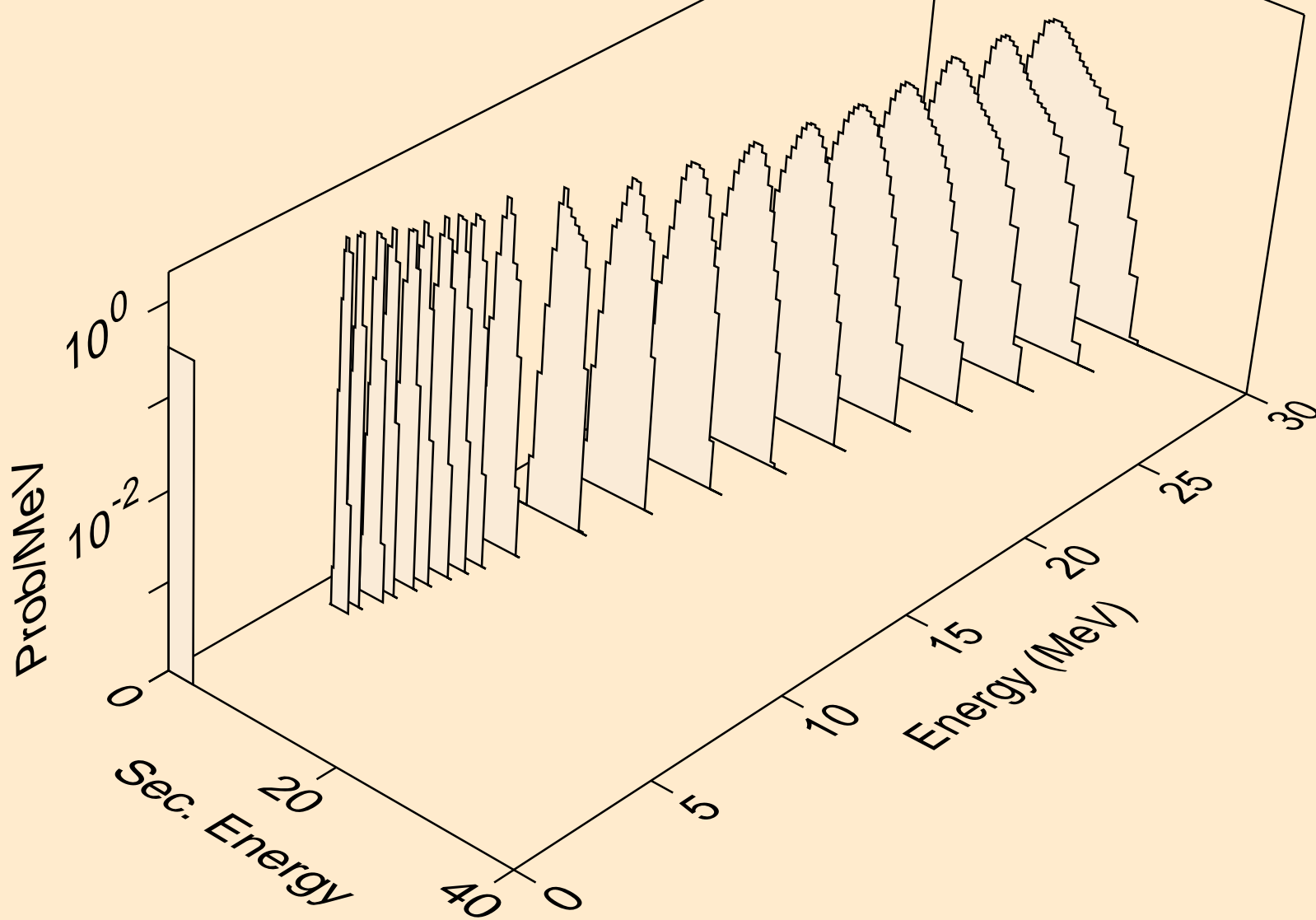
SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)



SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)



SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



SN111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

