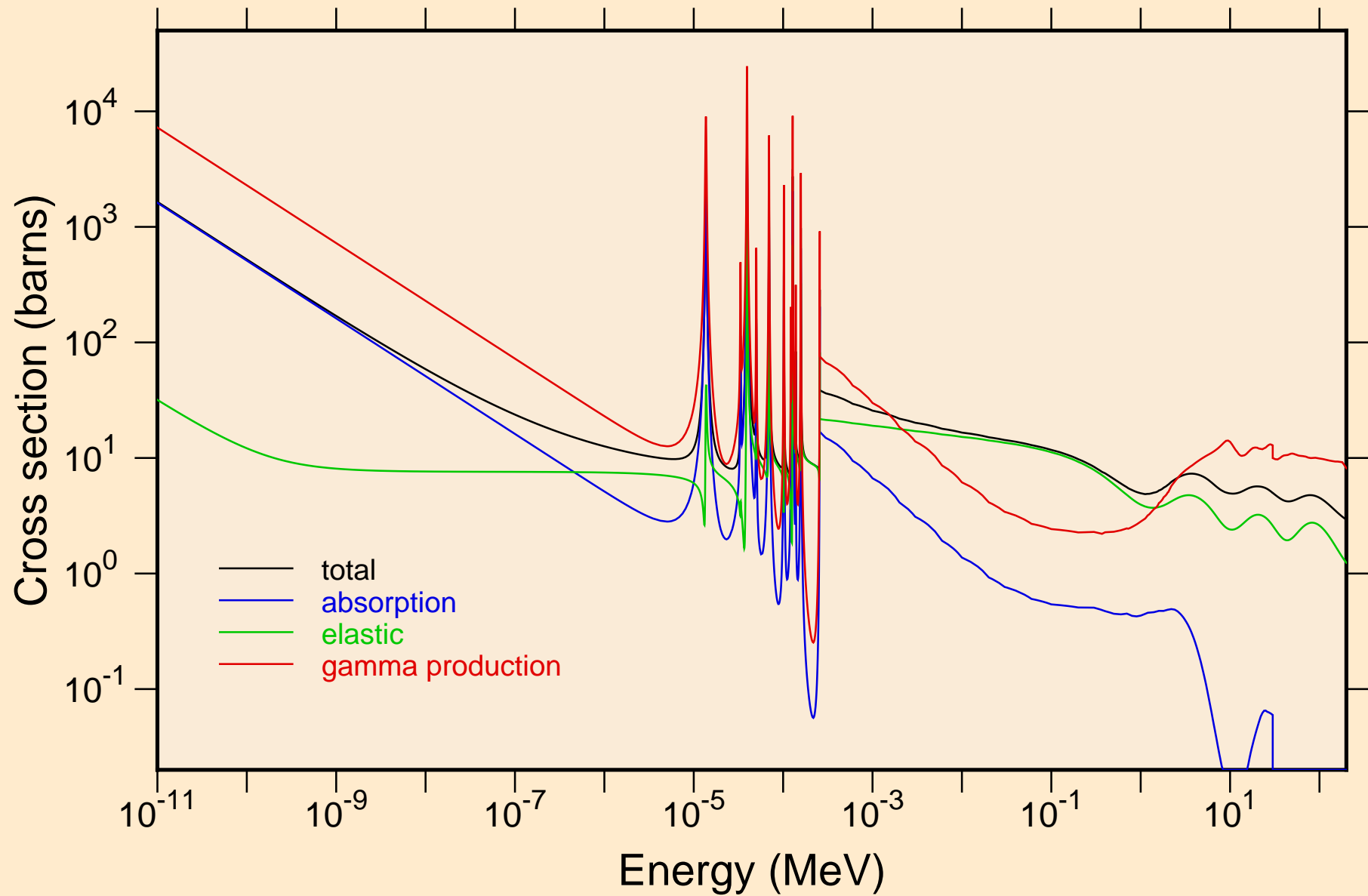


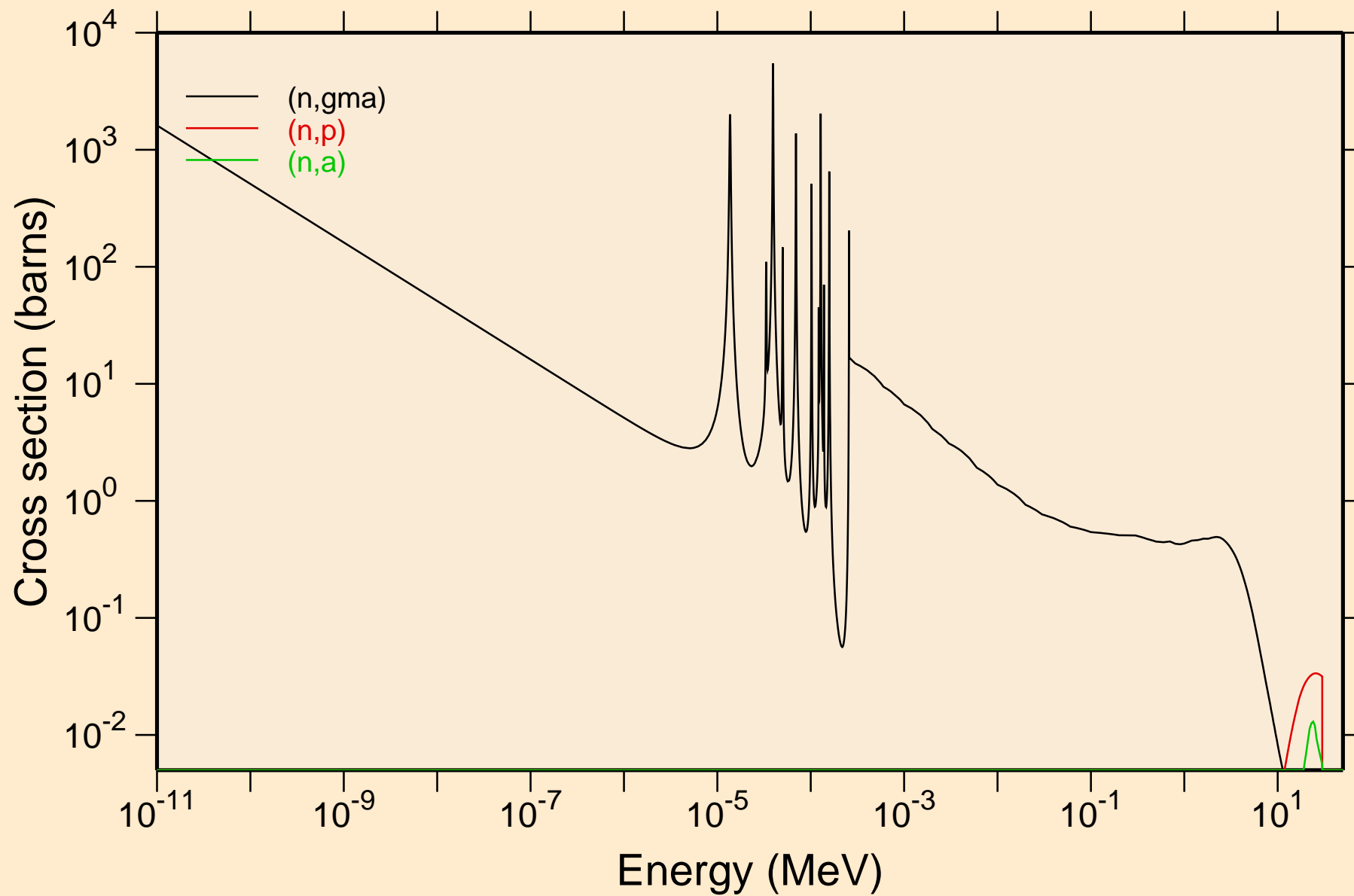
# TL199 NRG TENDL-2015, AKONING

## Principal cross sections



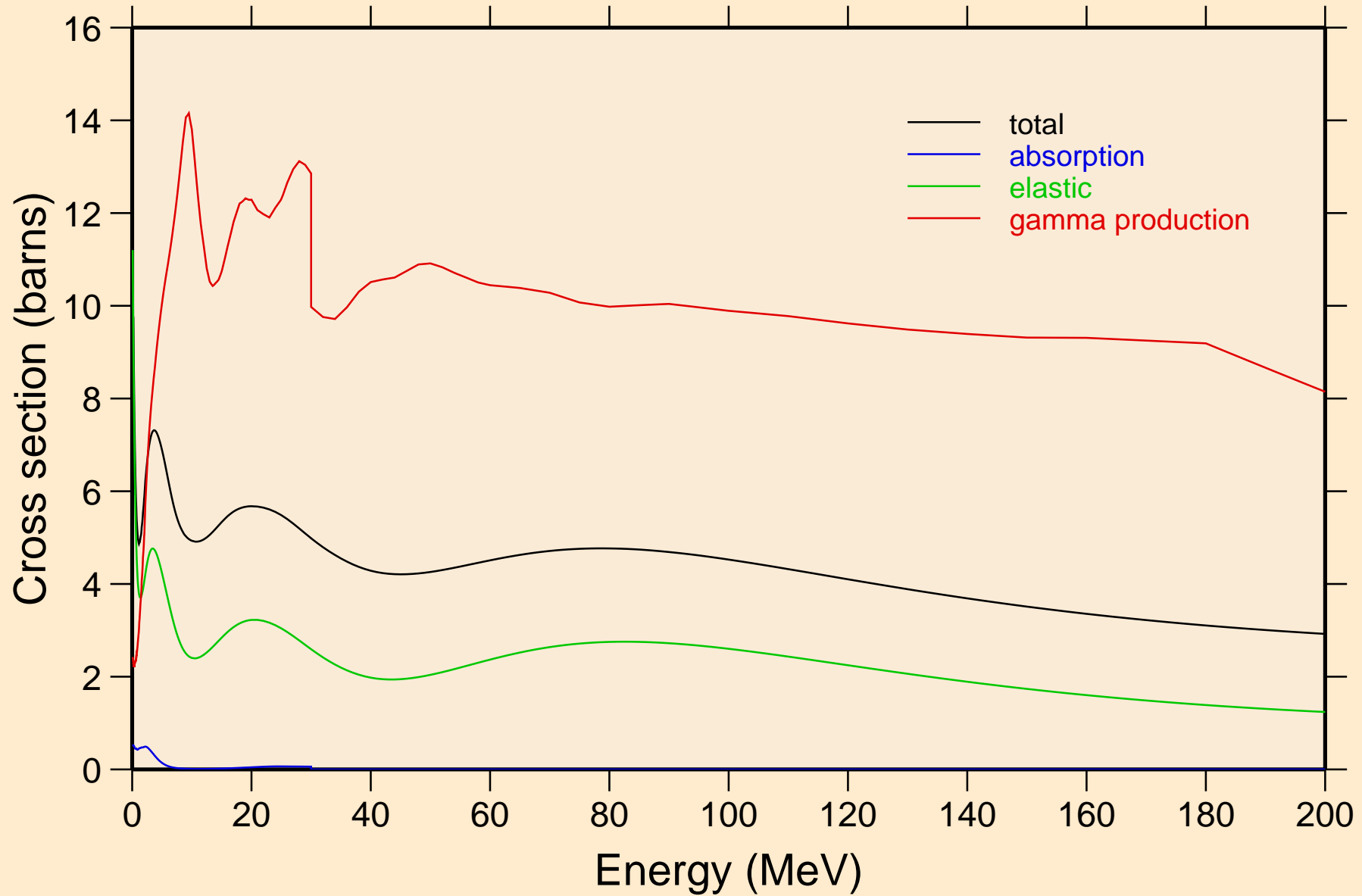
# TL199 NRG TENDL-2015, AKONING

## Non-threshold reactions



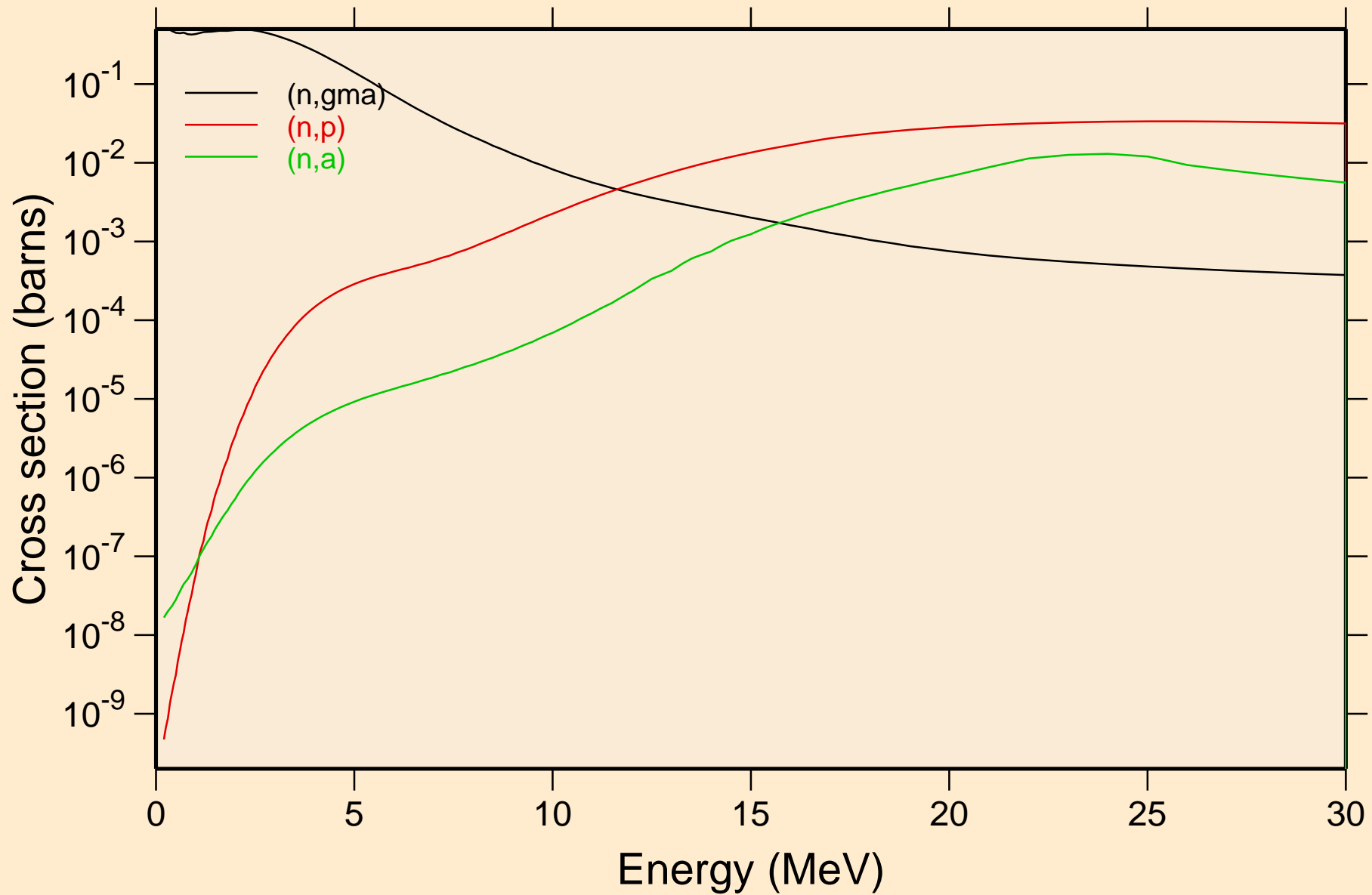
# TL199 NRG TENDL-2015, AKONING

## Principal cross sections



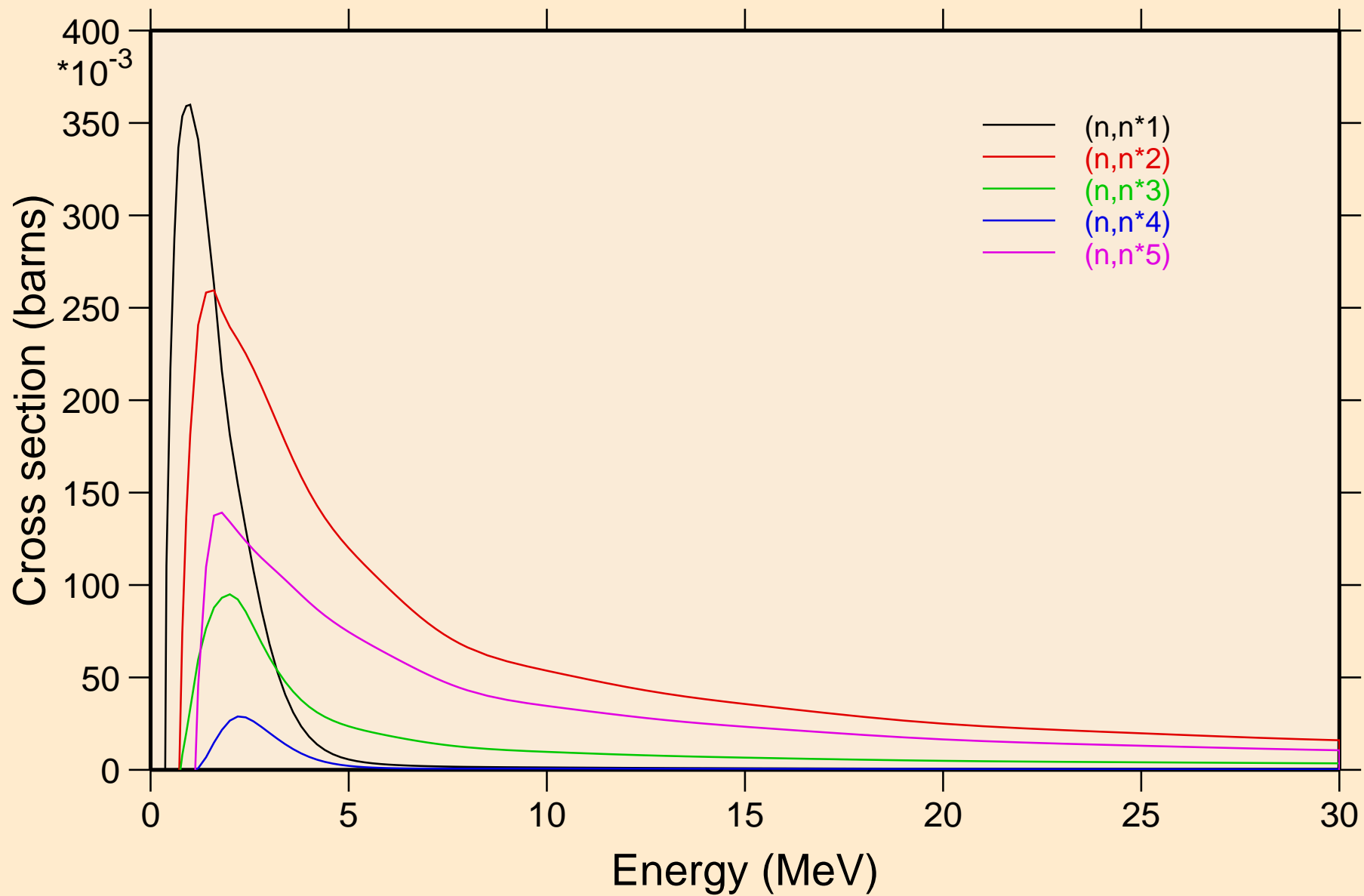
# TL199 NRG TENDL-2015, AKONING

## Non-threshold reactions



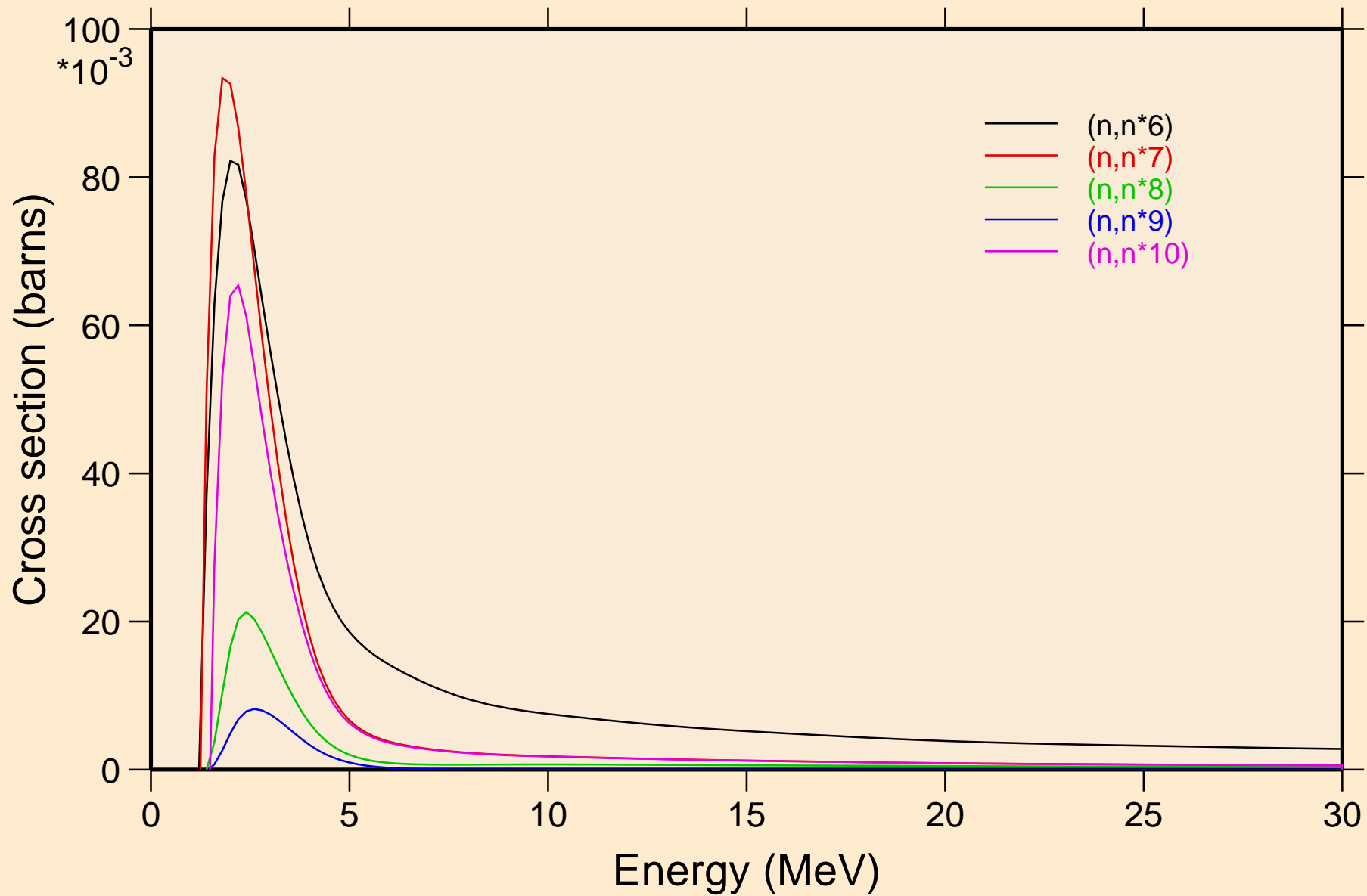
# TL199 NRG TENDL-2015, AKONING

## Inelastic levels



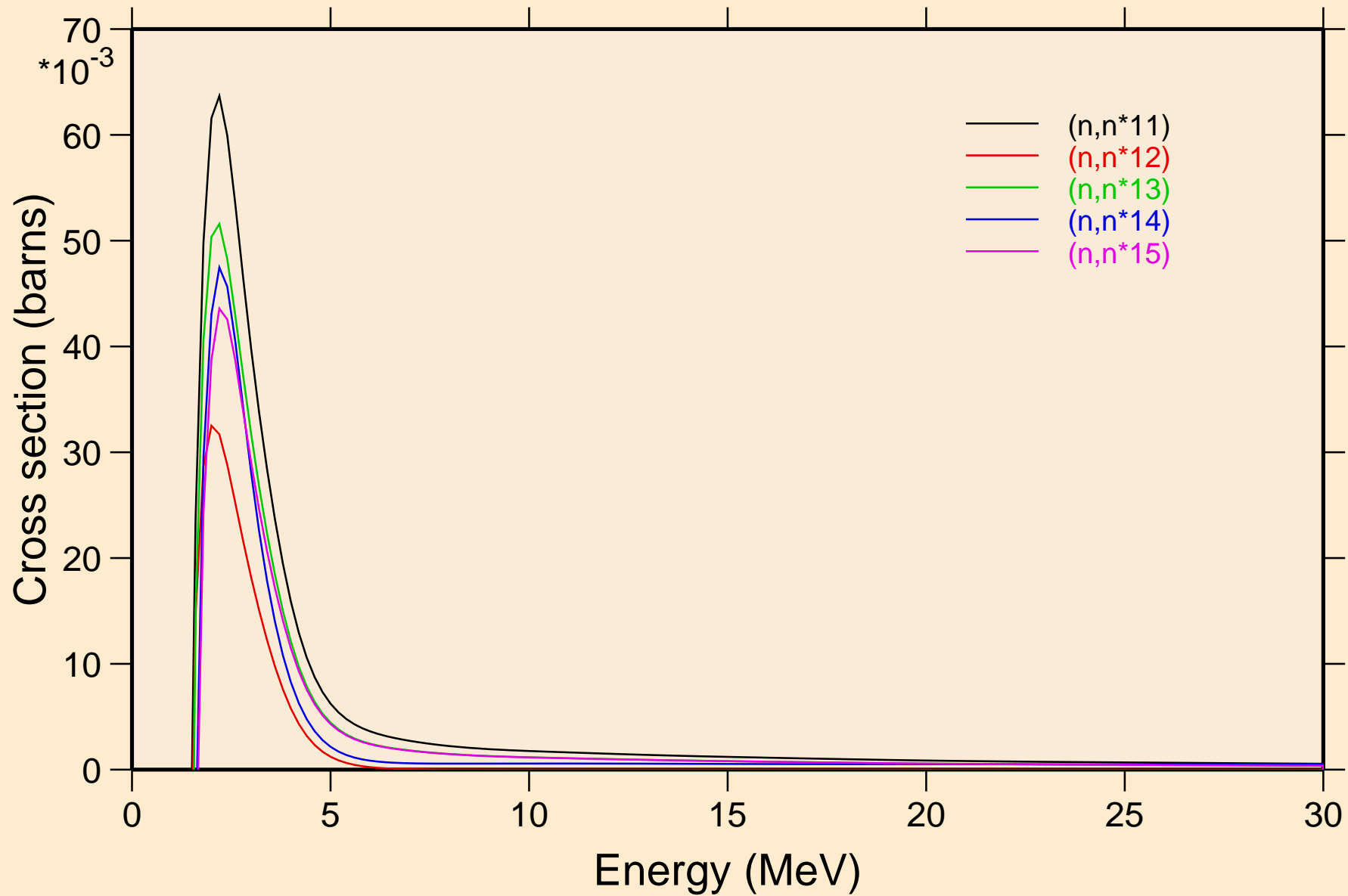
# TL199 NRG TENDL-2015, AKONING

## Inelastic levels



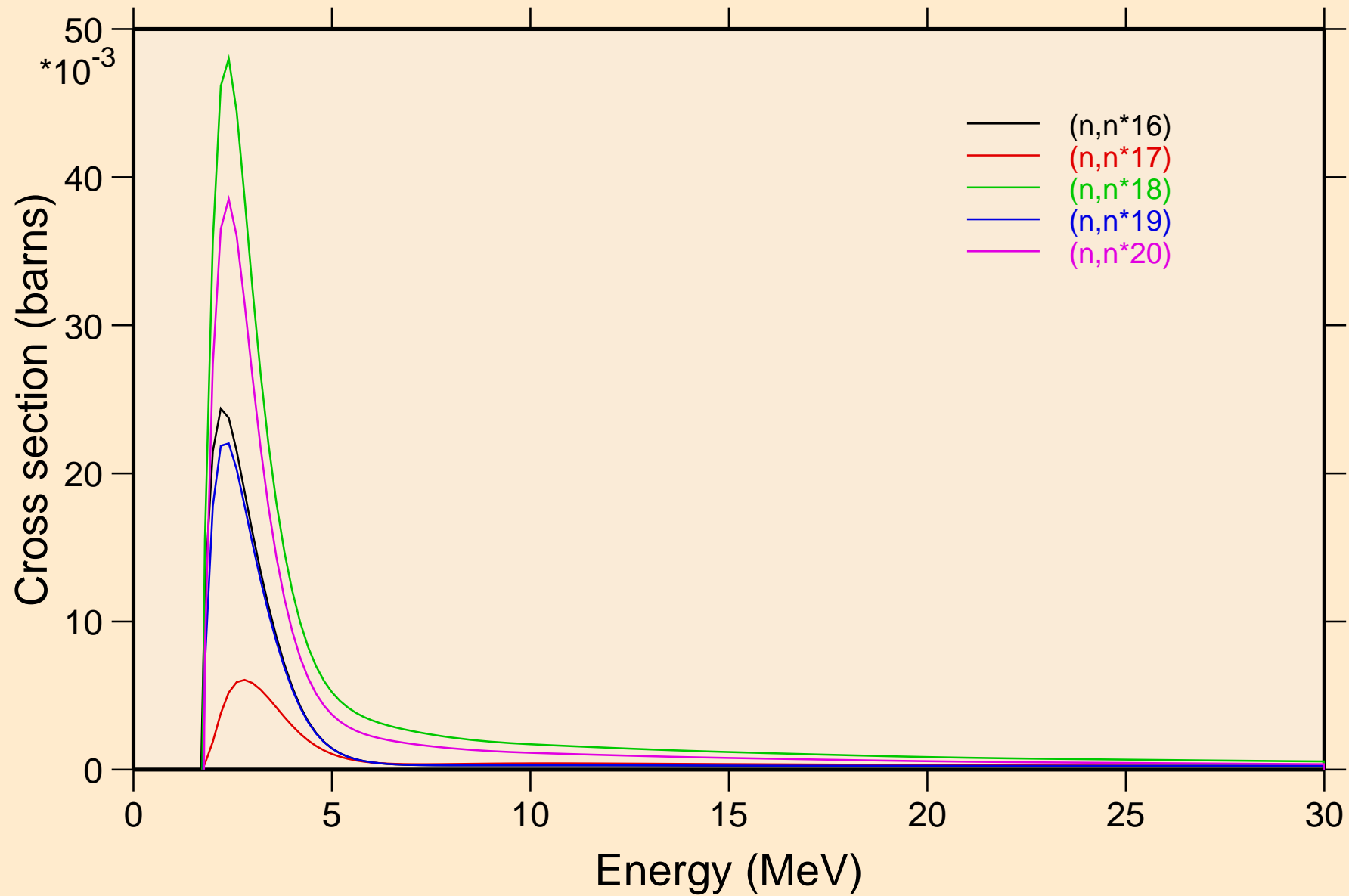
# TL199 NRG TENDL-2015, AKONING

## Inelastic levels



# TL199 NRG TENDL-2015, AKONING

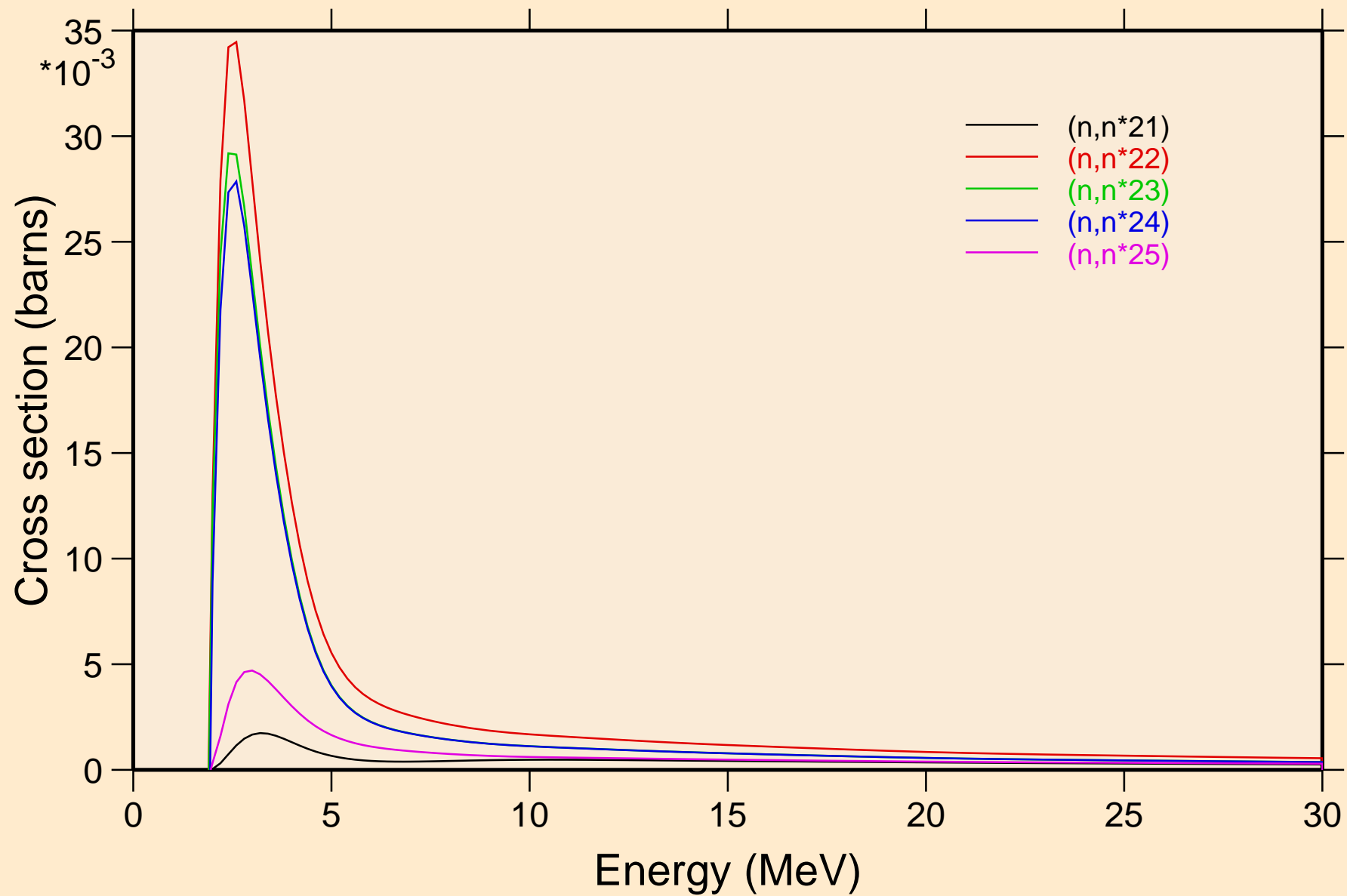
## Inelastic levels



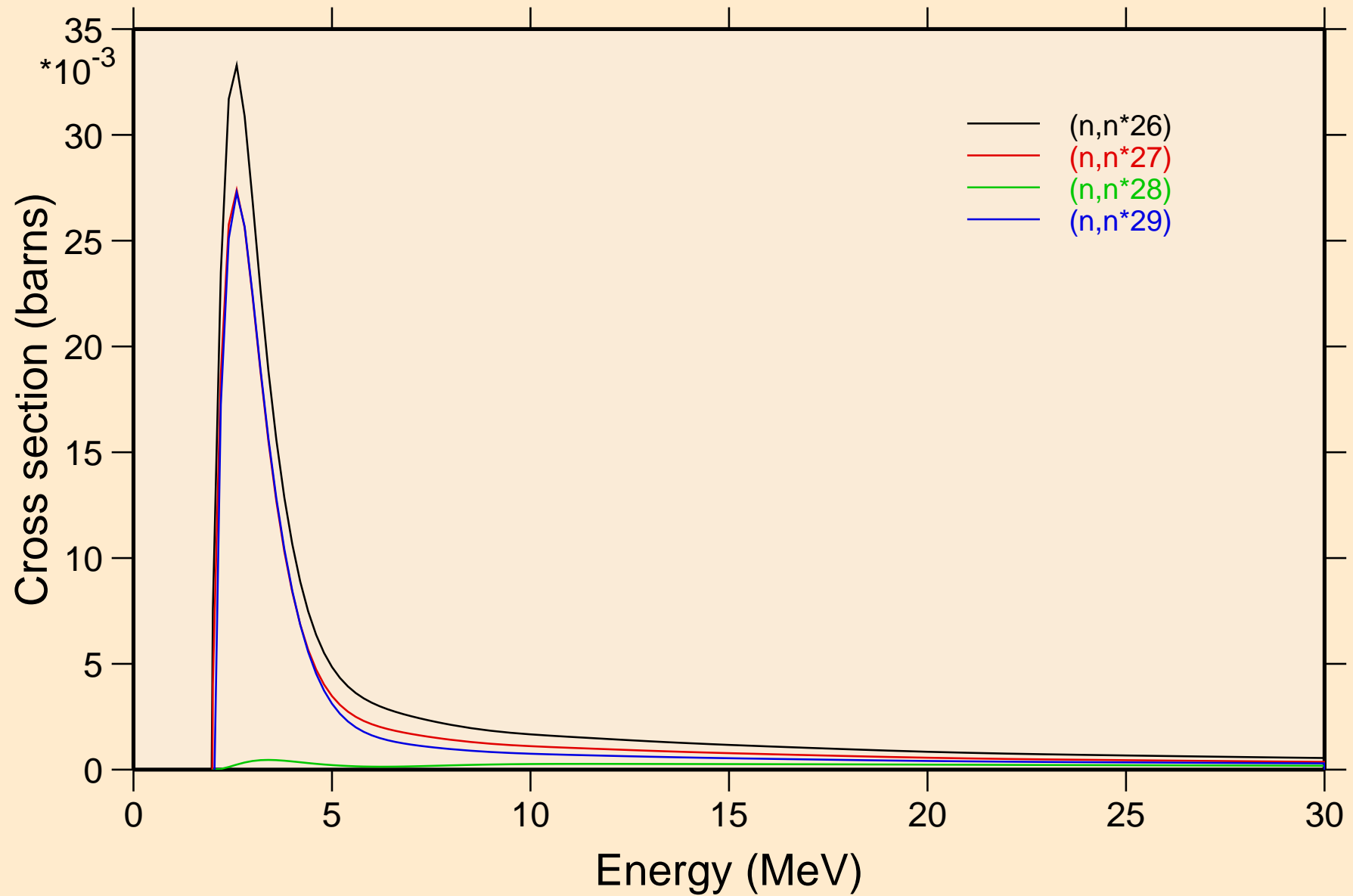


# TL199 NRG TENDL-2015, AKONING

## Inelastic levels

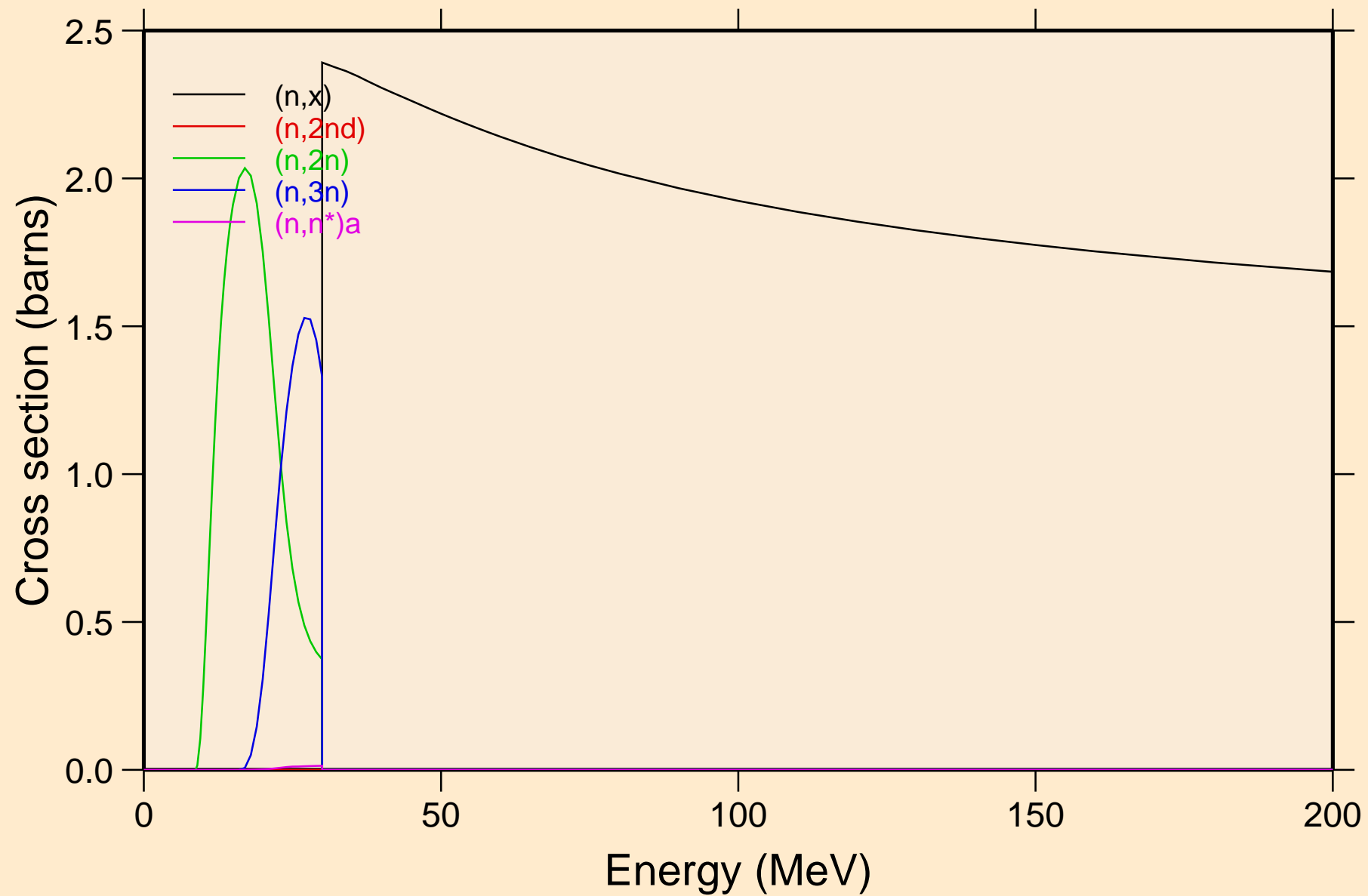


TL199 NRG TENDL-2015, AKONING  
Inelastic levels



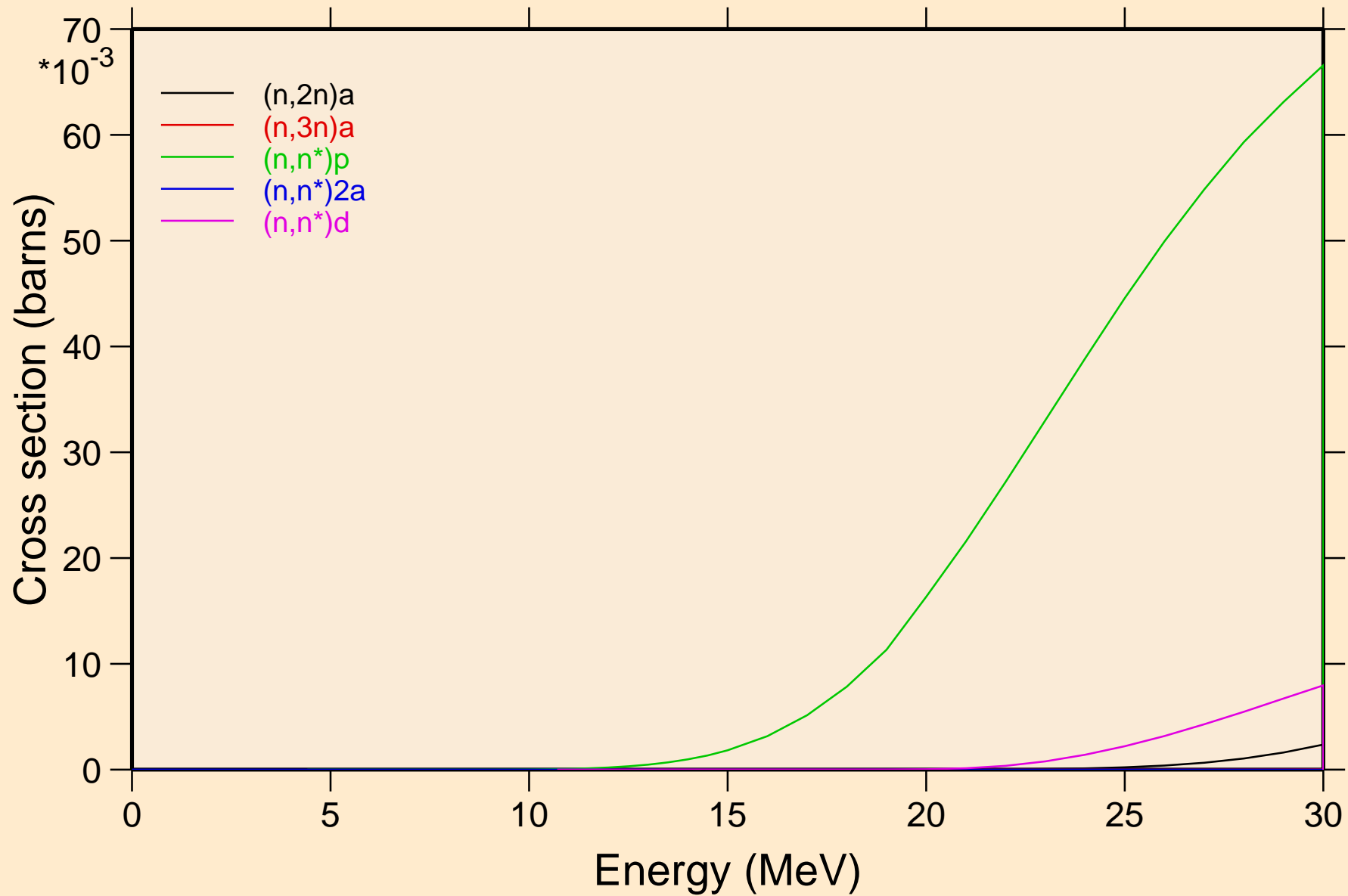
# TL199 NRG TENDL-2015, AKONING

## Threshold reactions



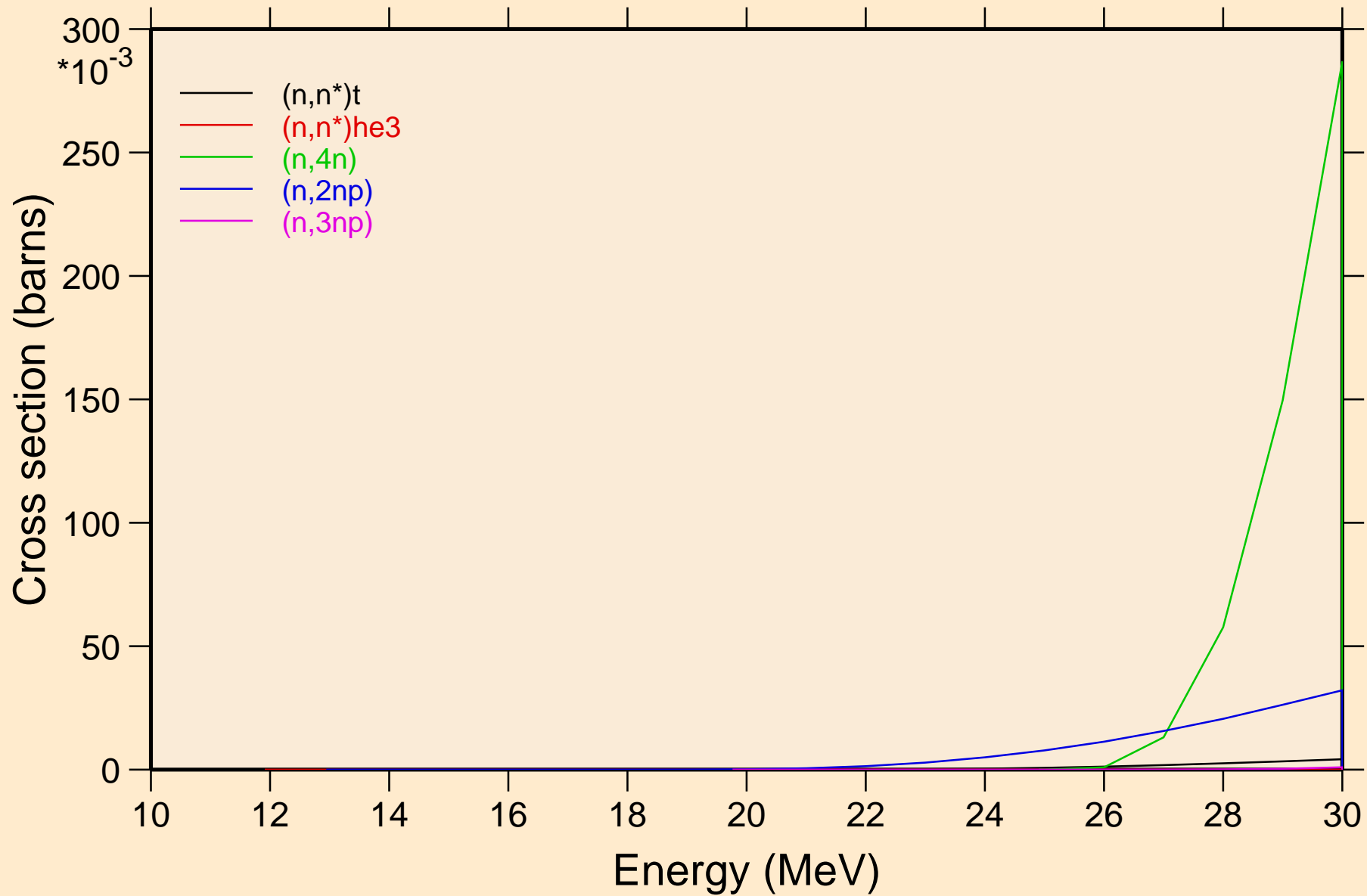
# TL199 NRG TENDL-2015, AKONING

## Threshold reactions



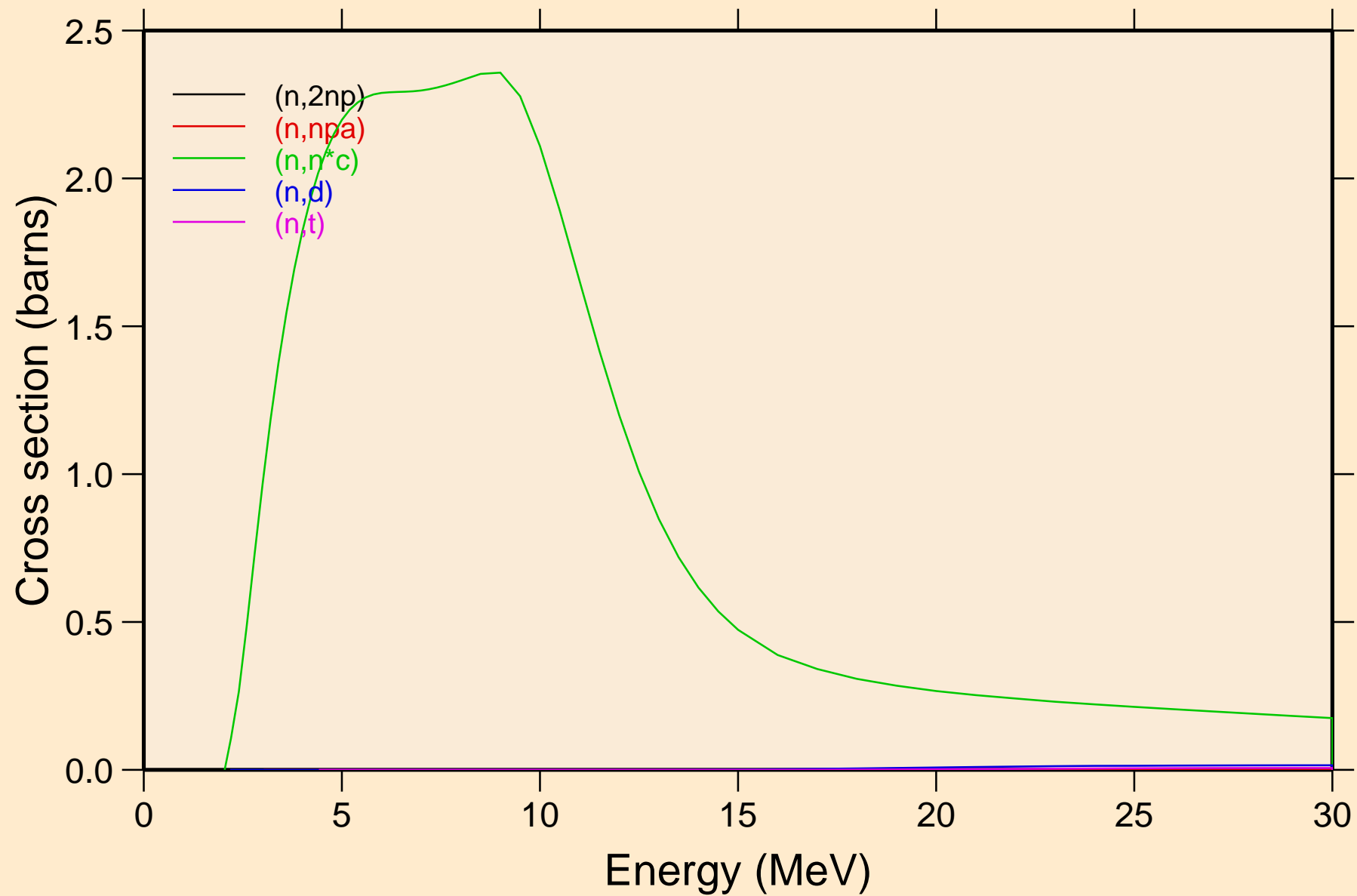
# TL199 NRG TENDL-2015, AKONING

## Threshold reactions



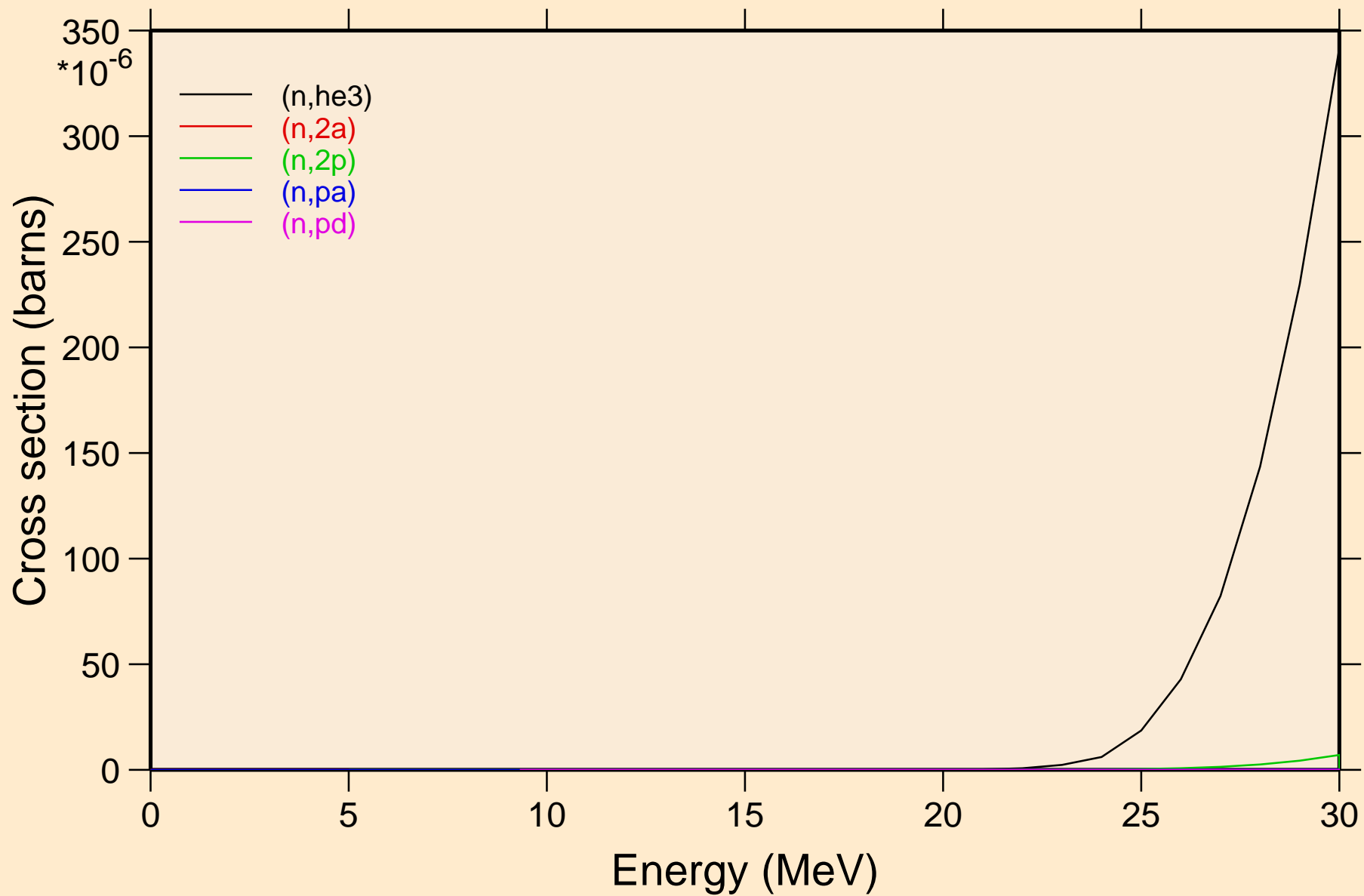
# TL199 NRG TENDL-2015, AKONING

## Threshold reactions

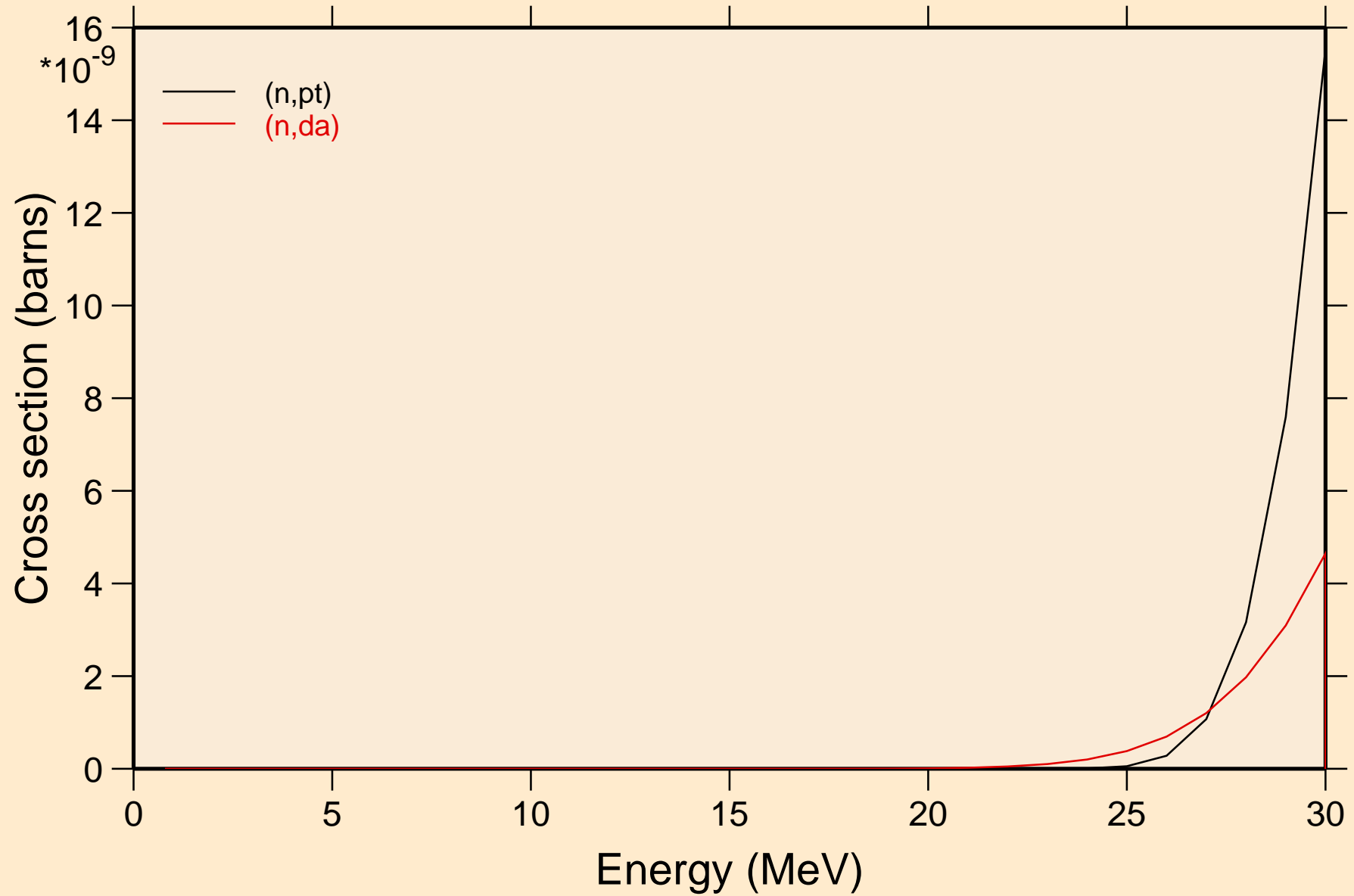


# TL199 NRG TENDL-2015, AKONING

## Threshold reactions

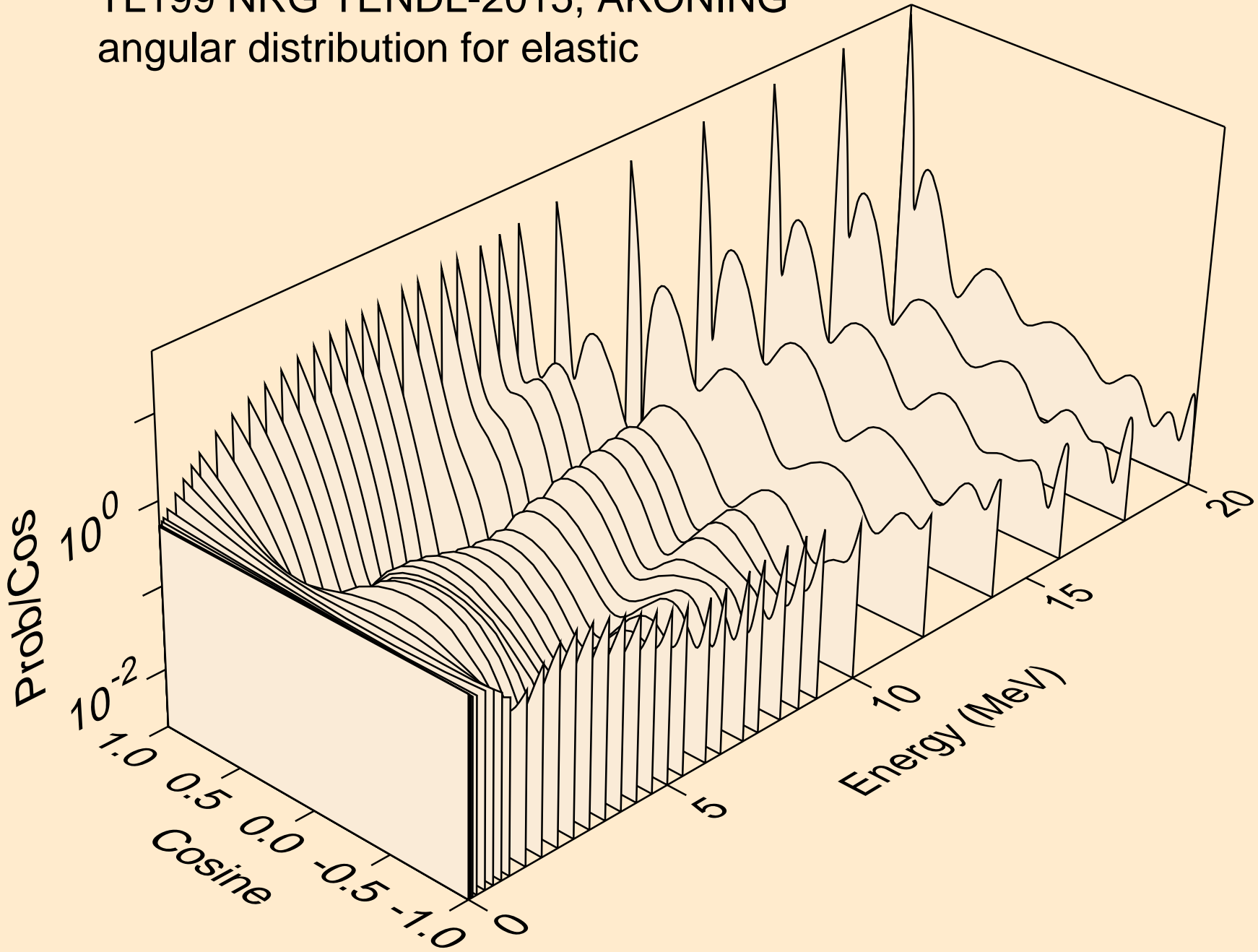


TL199 NRG TENDL-2015, AKONING  
Threshold reactions

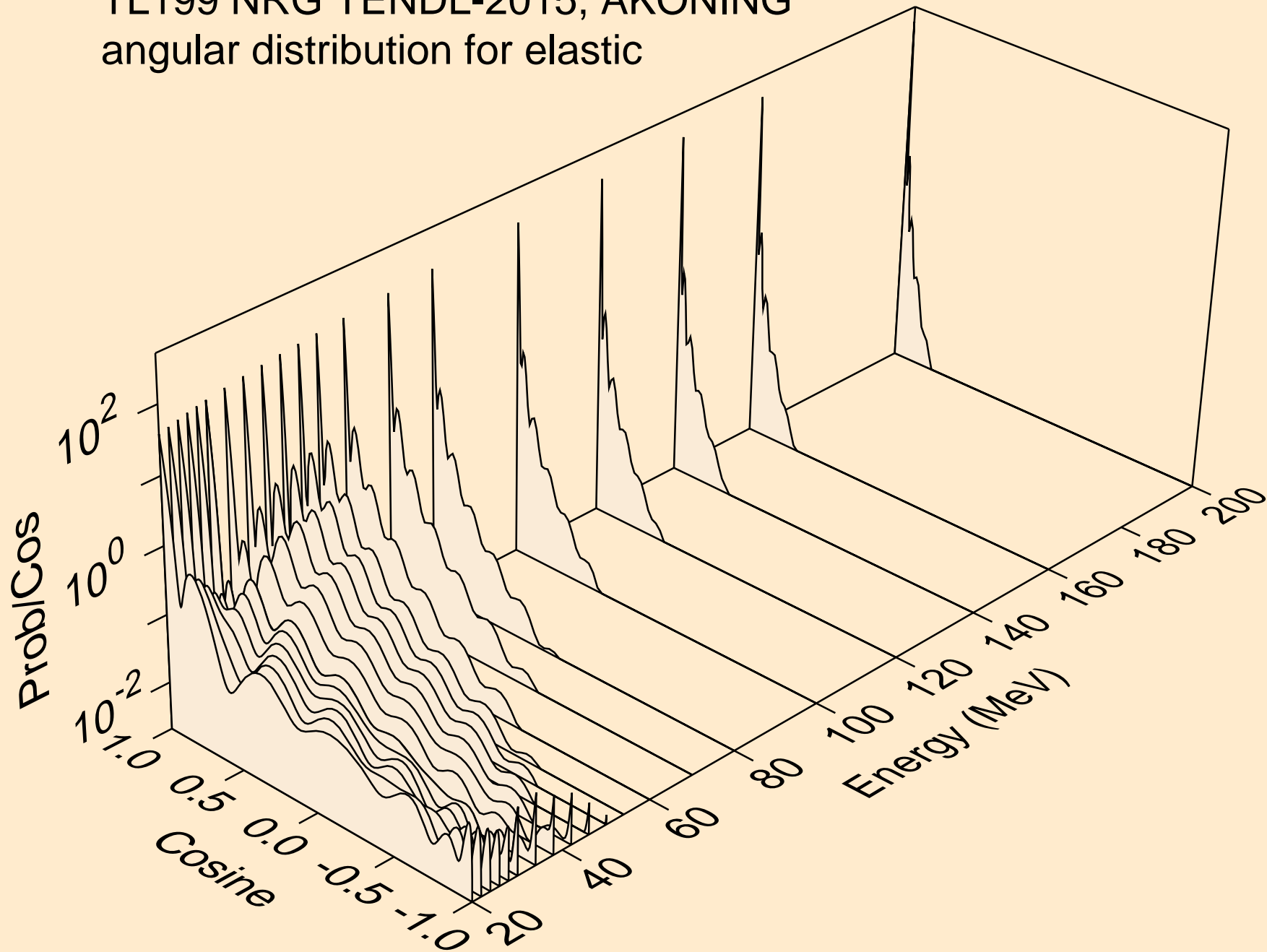




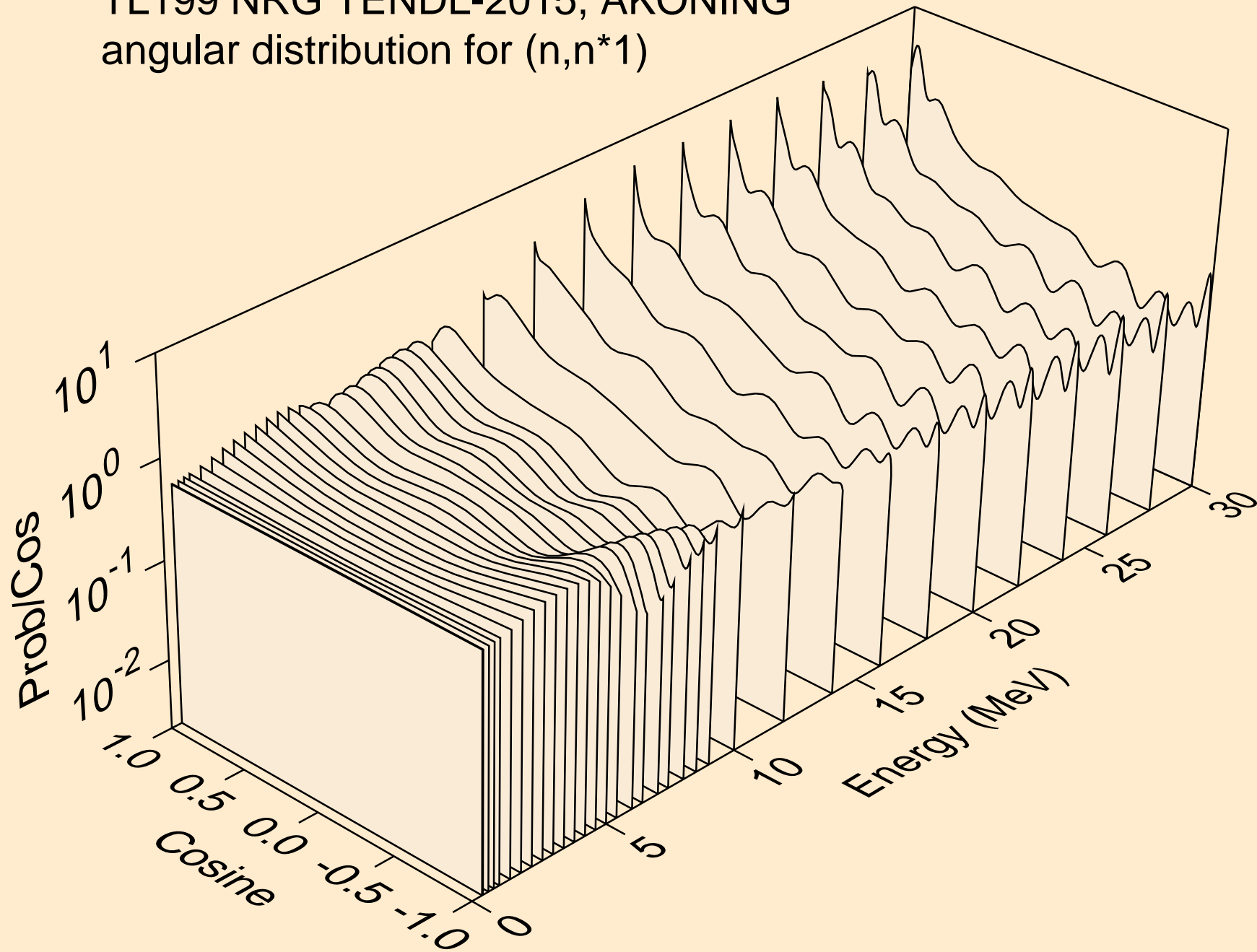
TL199 NRG TENDL-2015, AKONING  
angular distribution for elastic



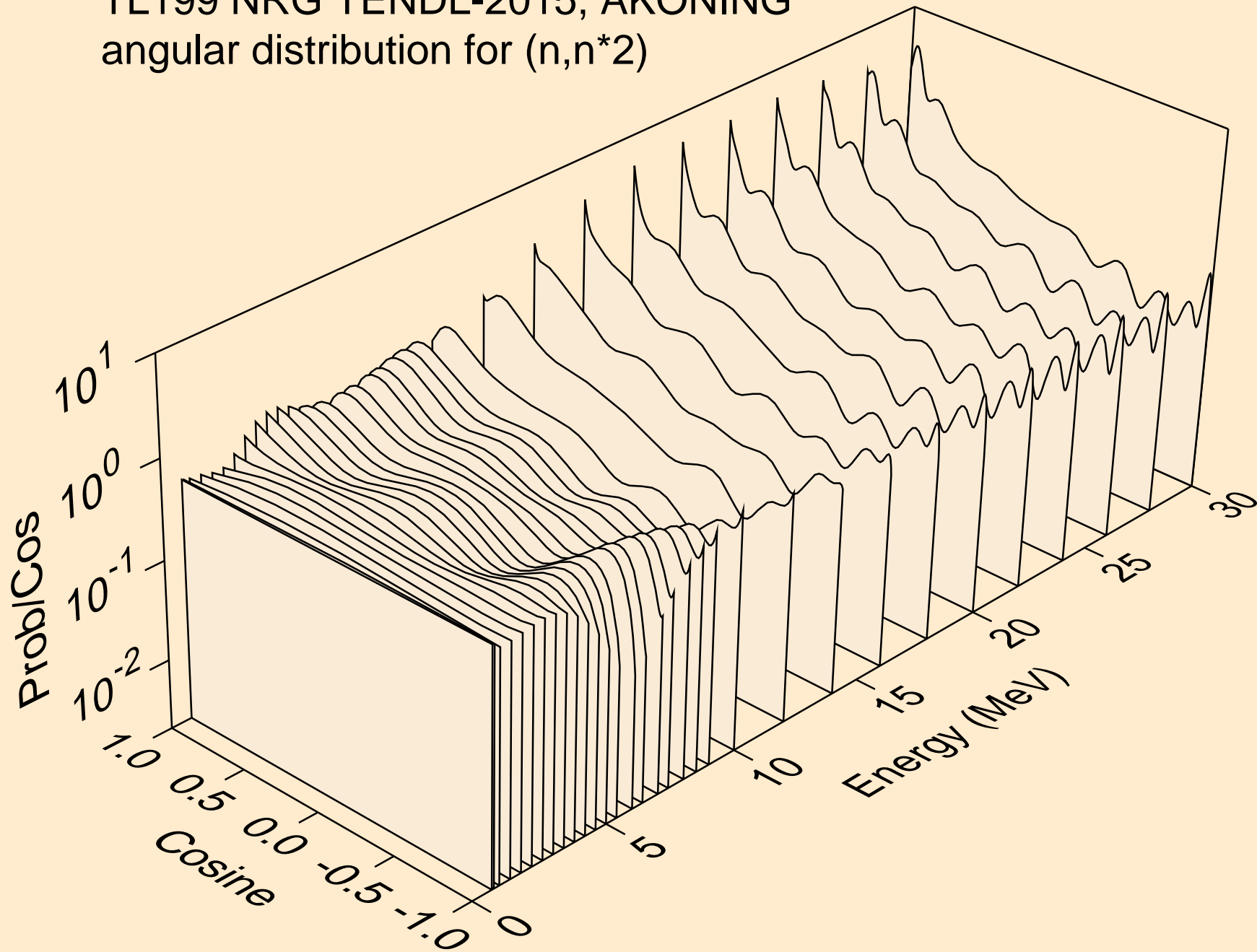
TL199 NRG TENDL-2015, AKONING  
angular distribution for elastic



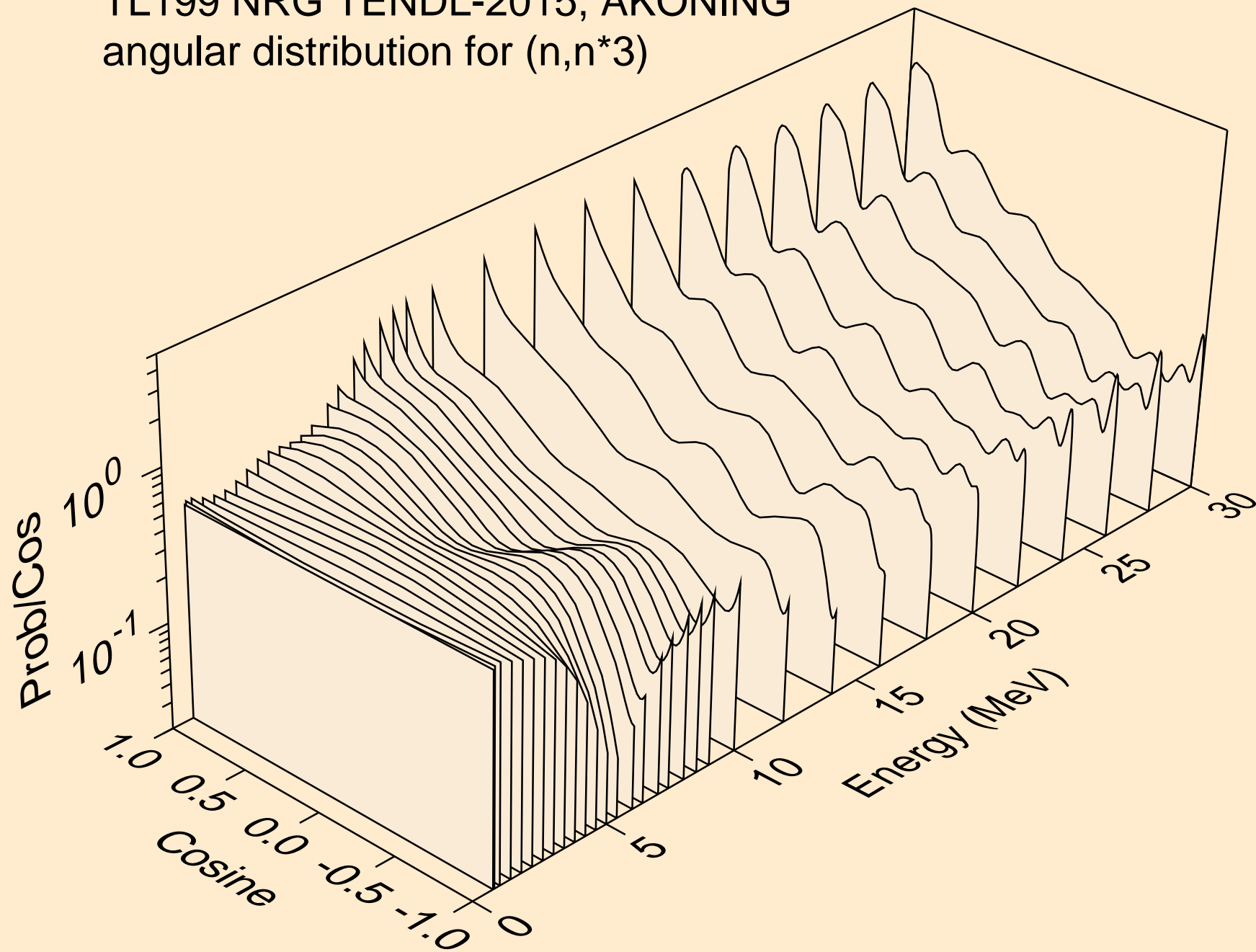
TL199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



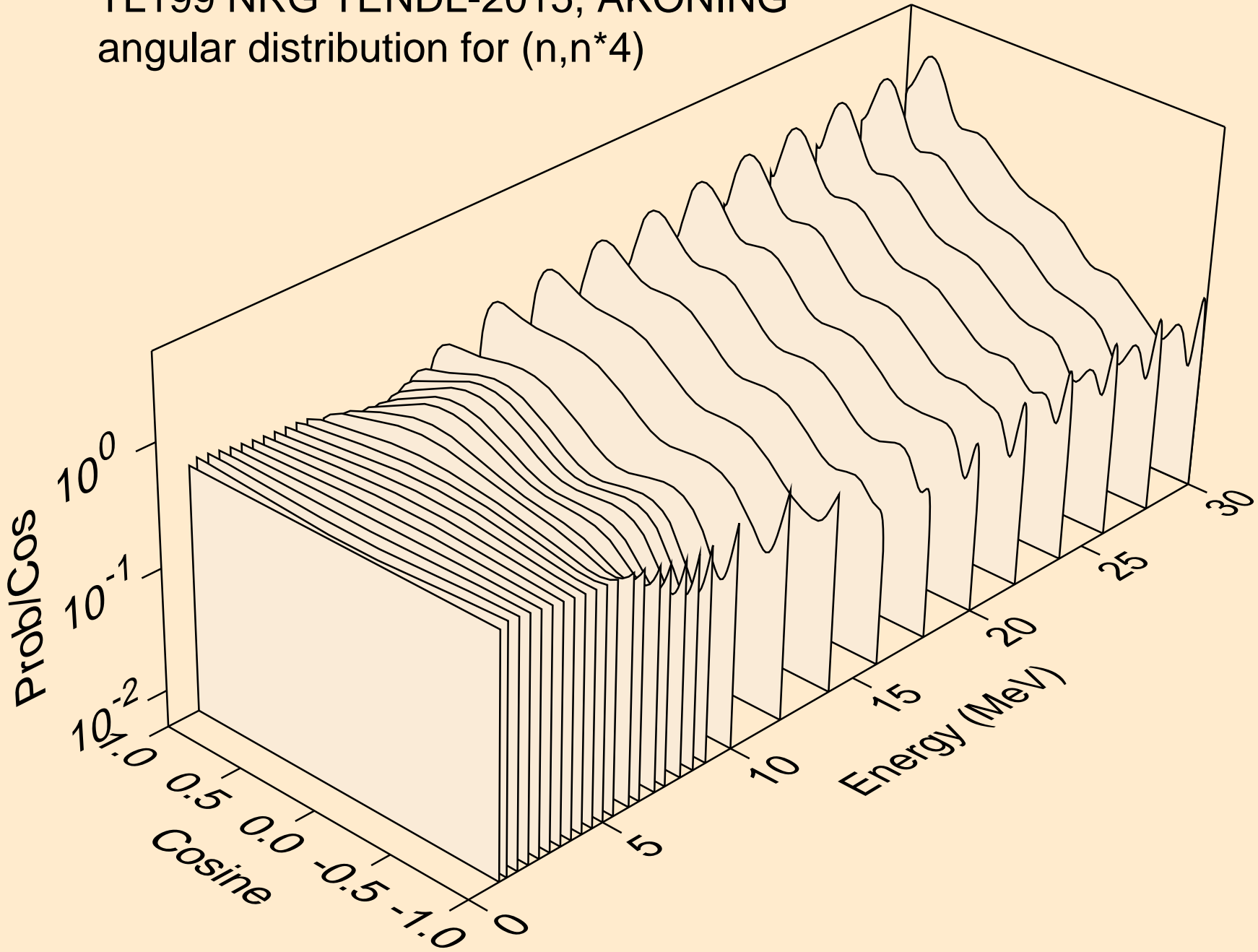
TL199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



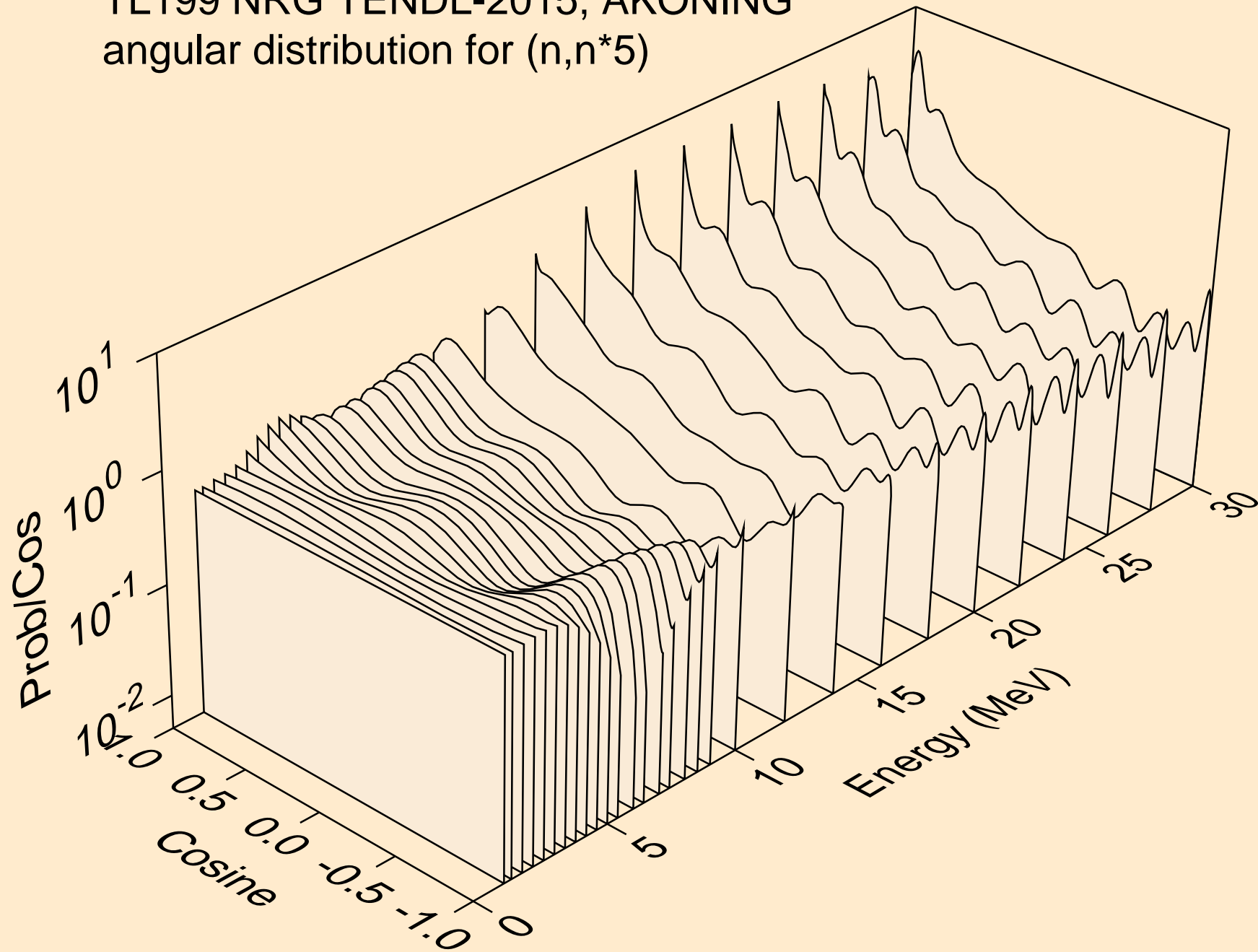
TL199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



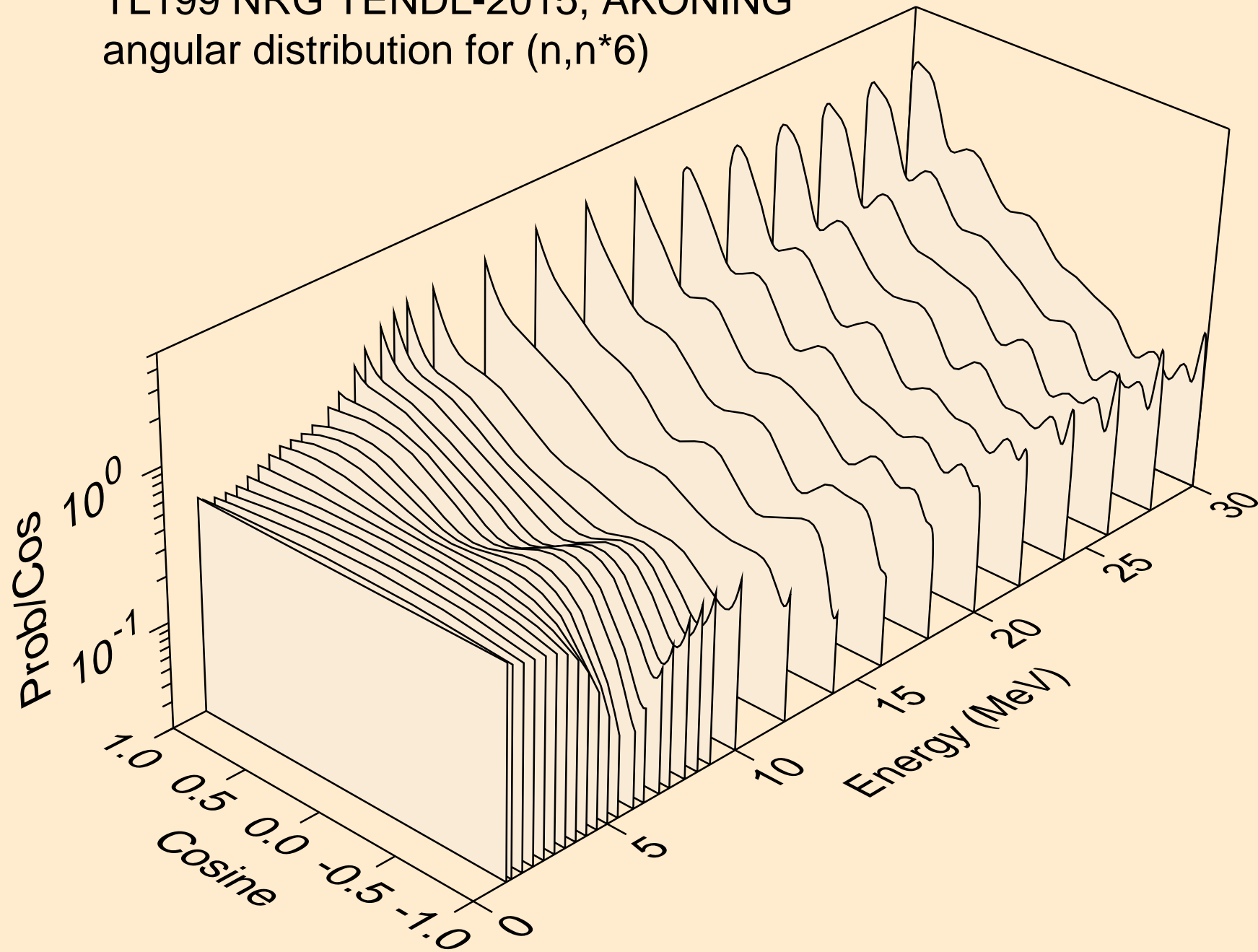
TL199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



TL199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)

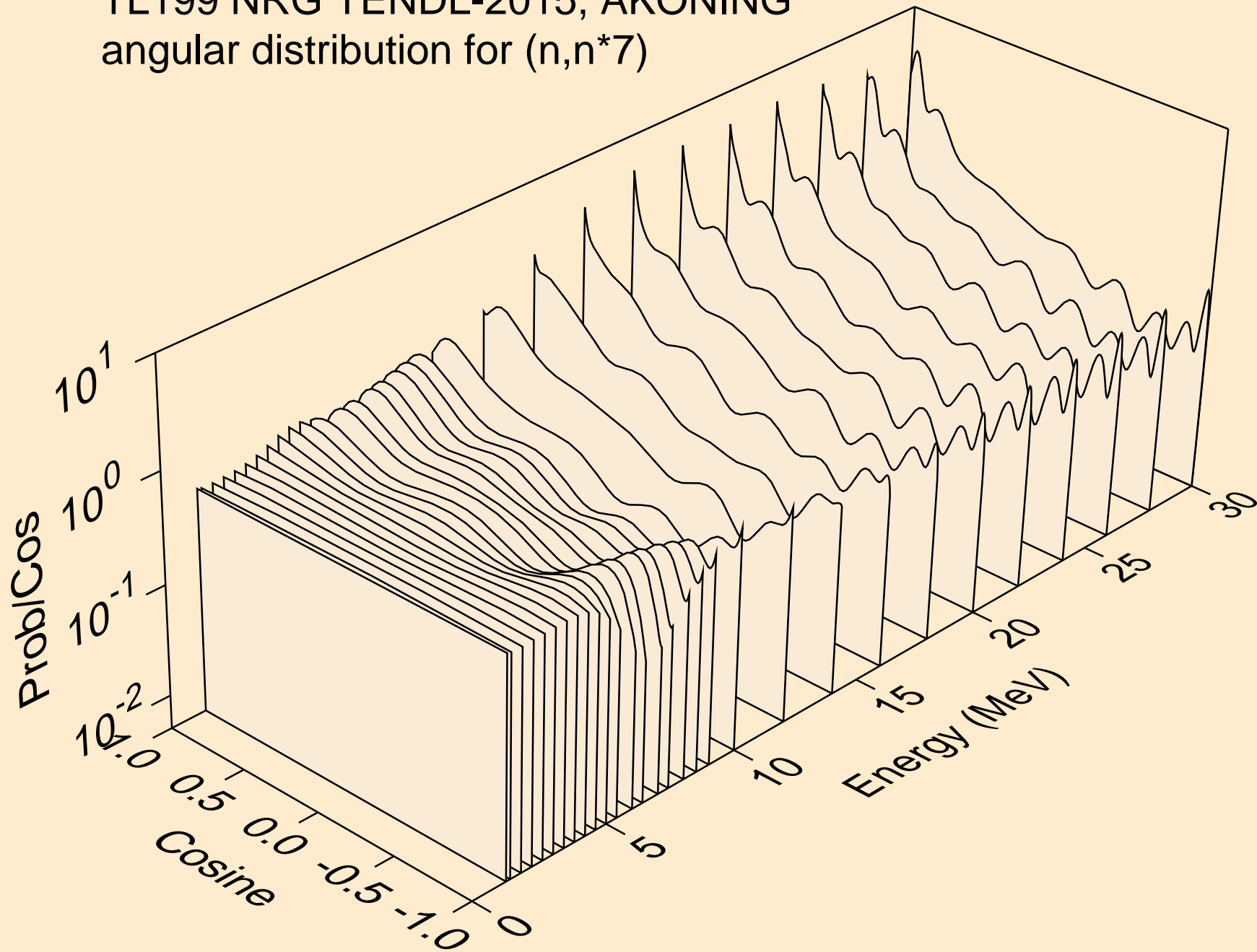


TL199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)

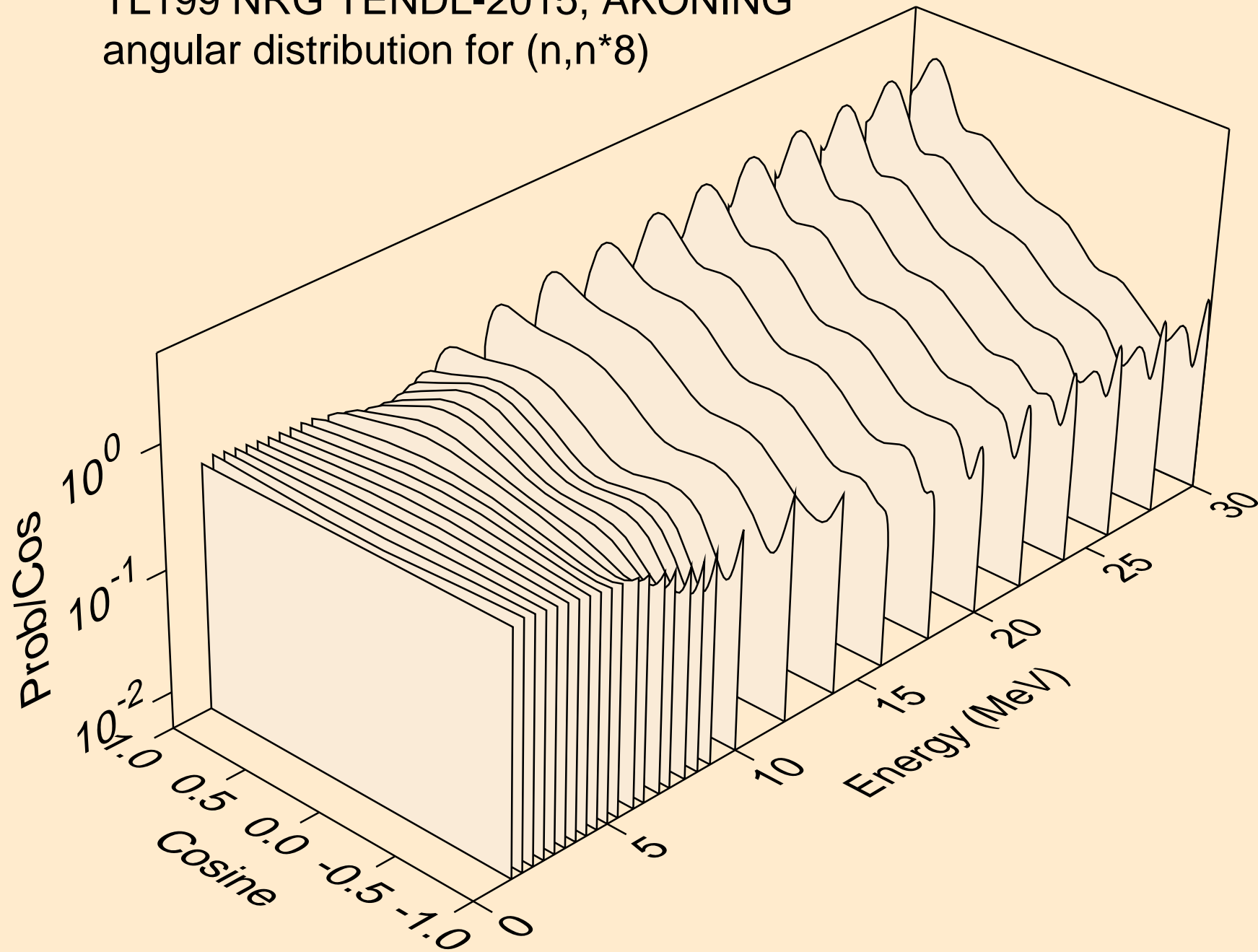




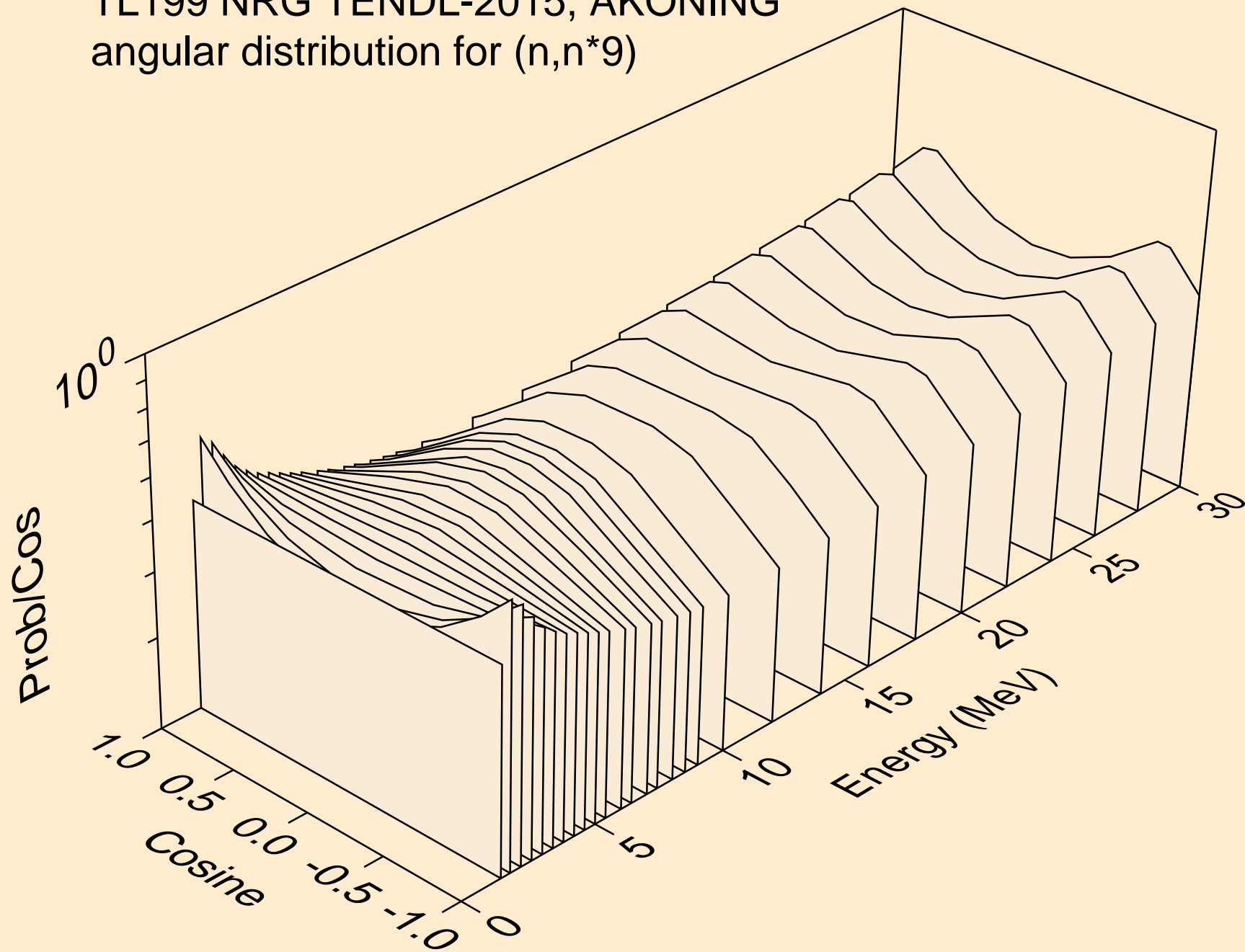
TL199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



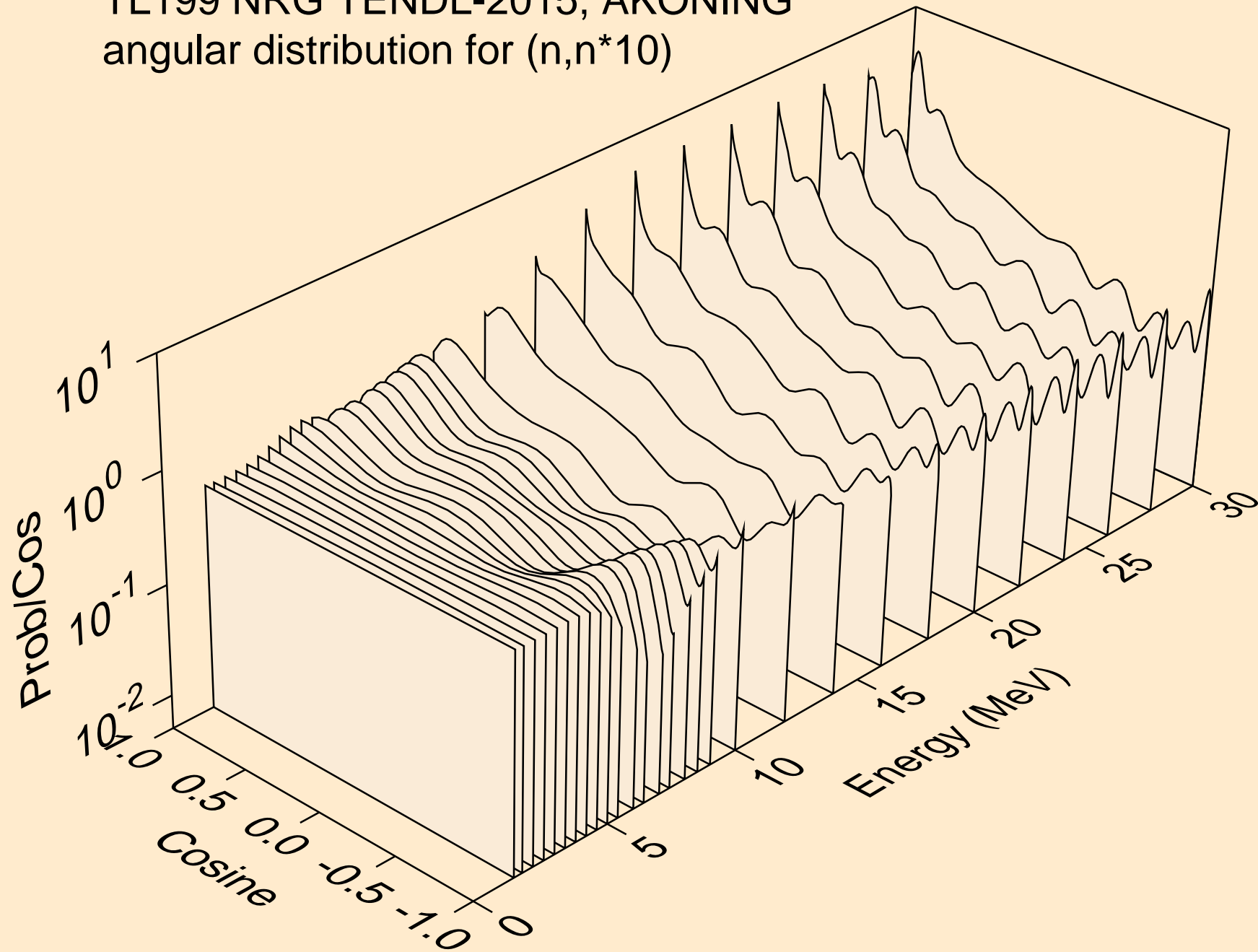
TL199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)



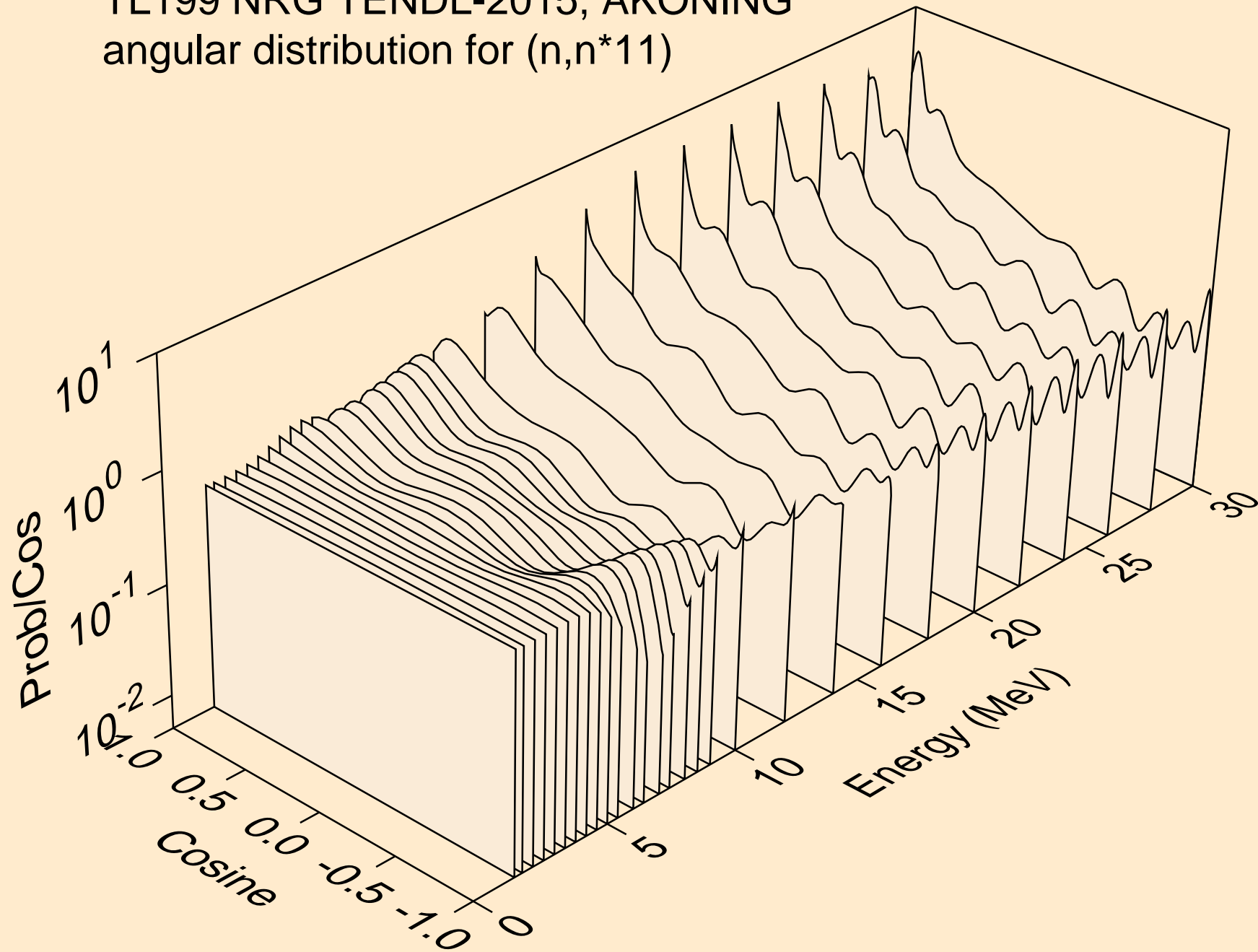
TL199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



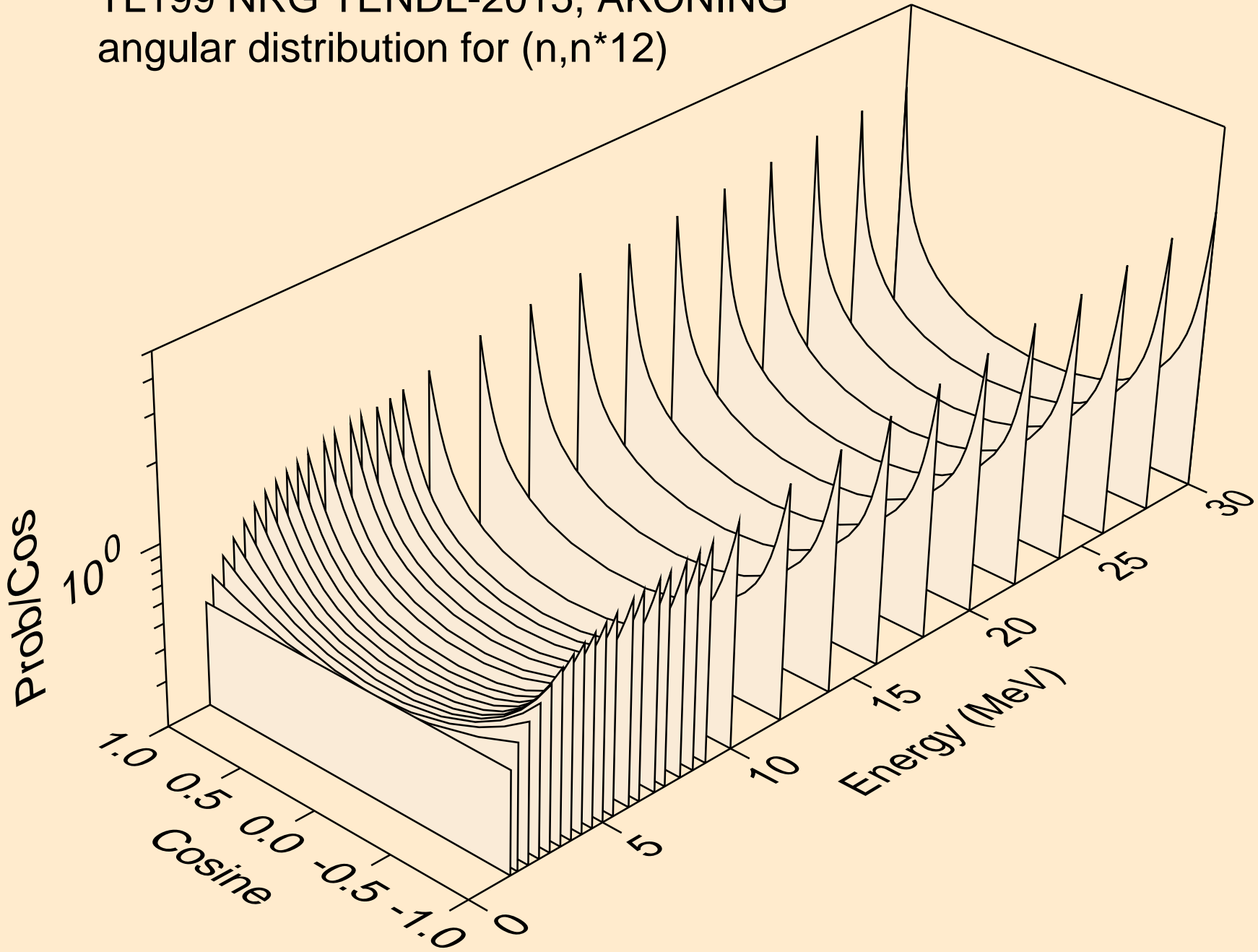
TL199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



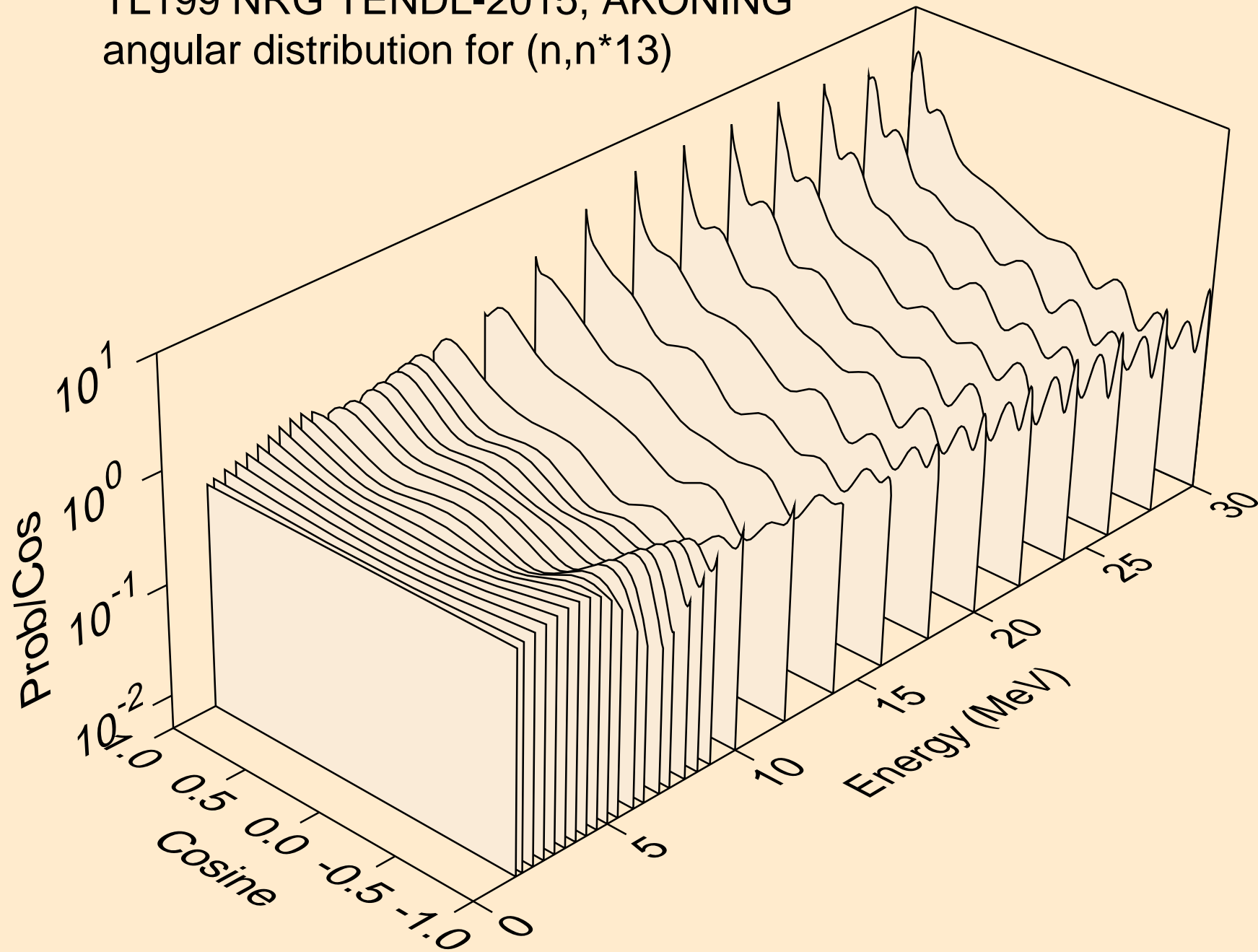
TL199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



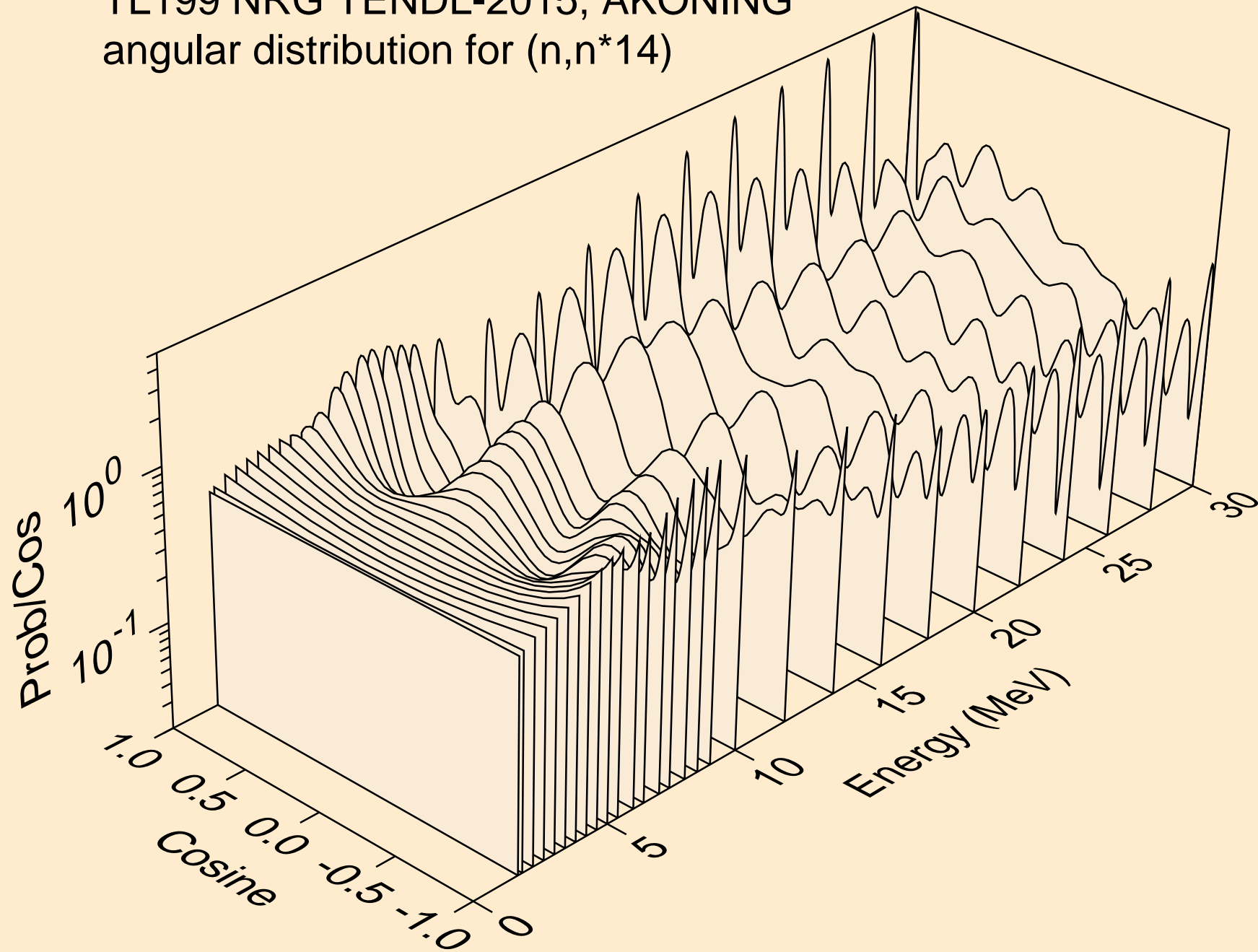
TL199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



TL199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)

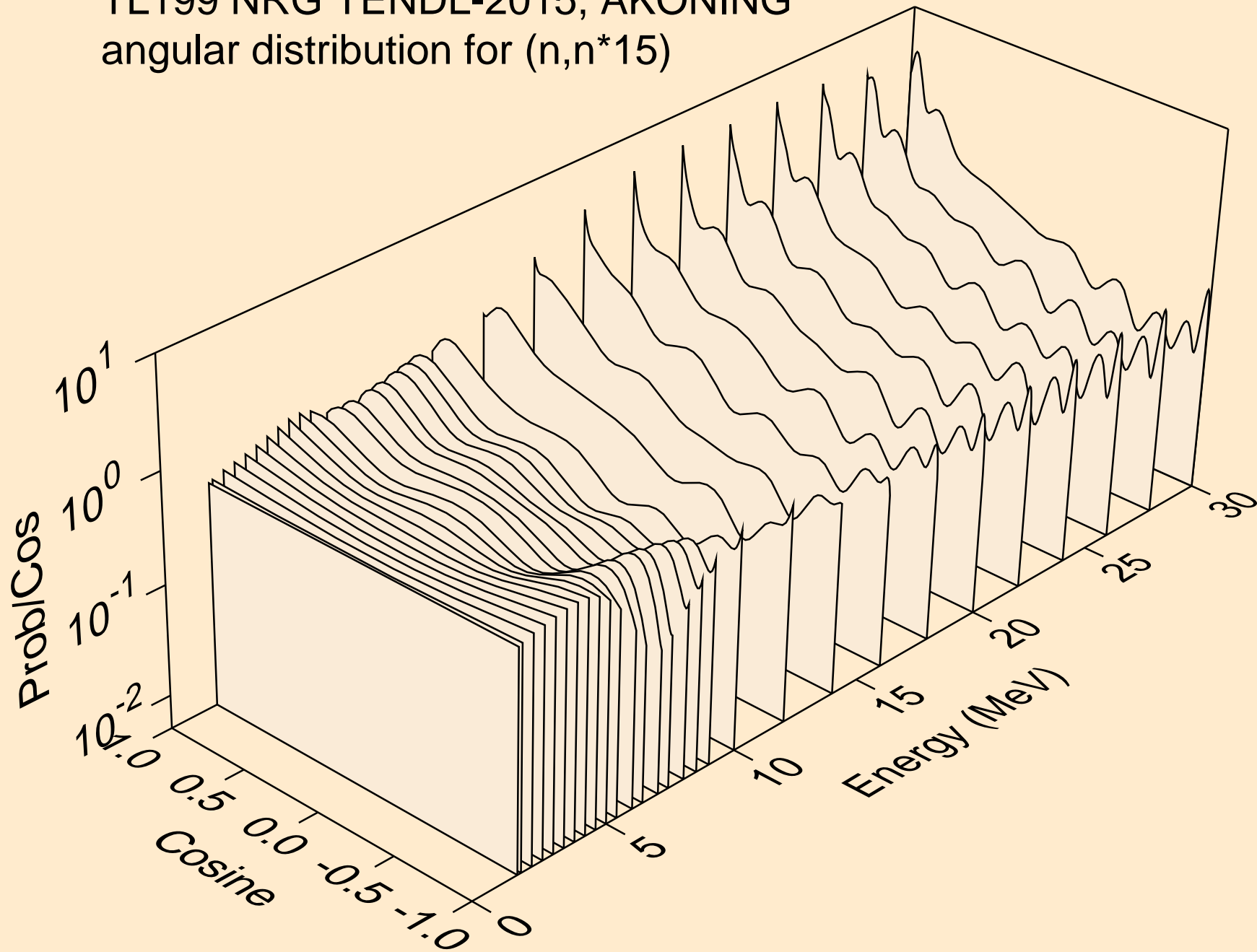


TL199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)

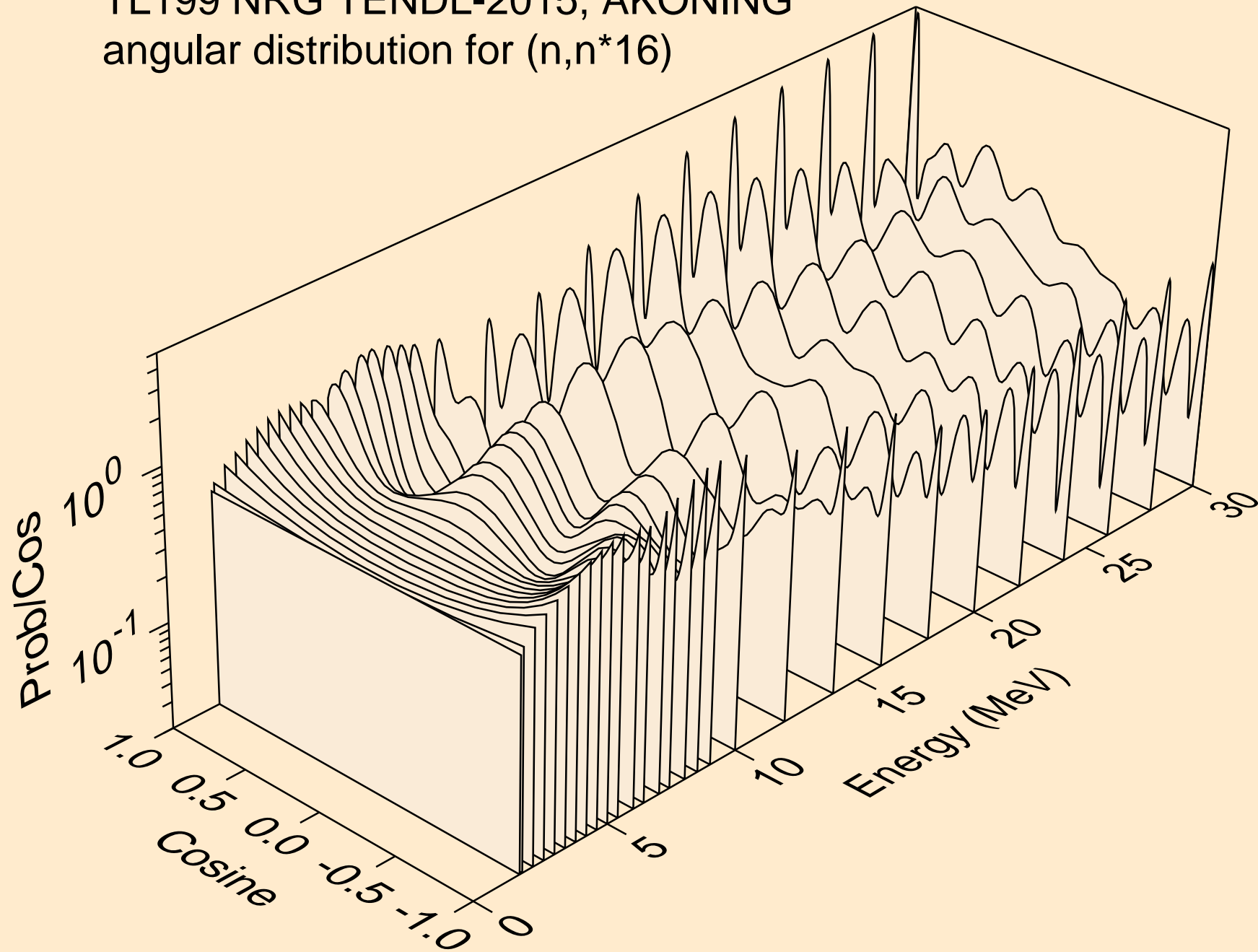




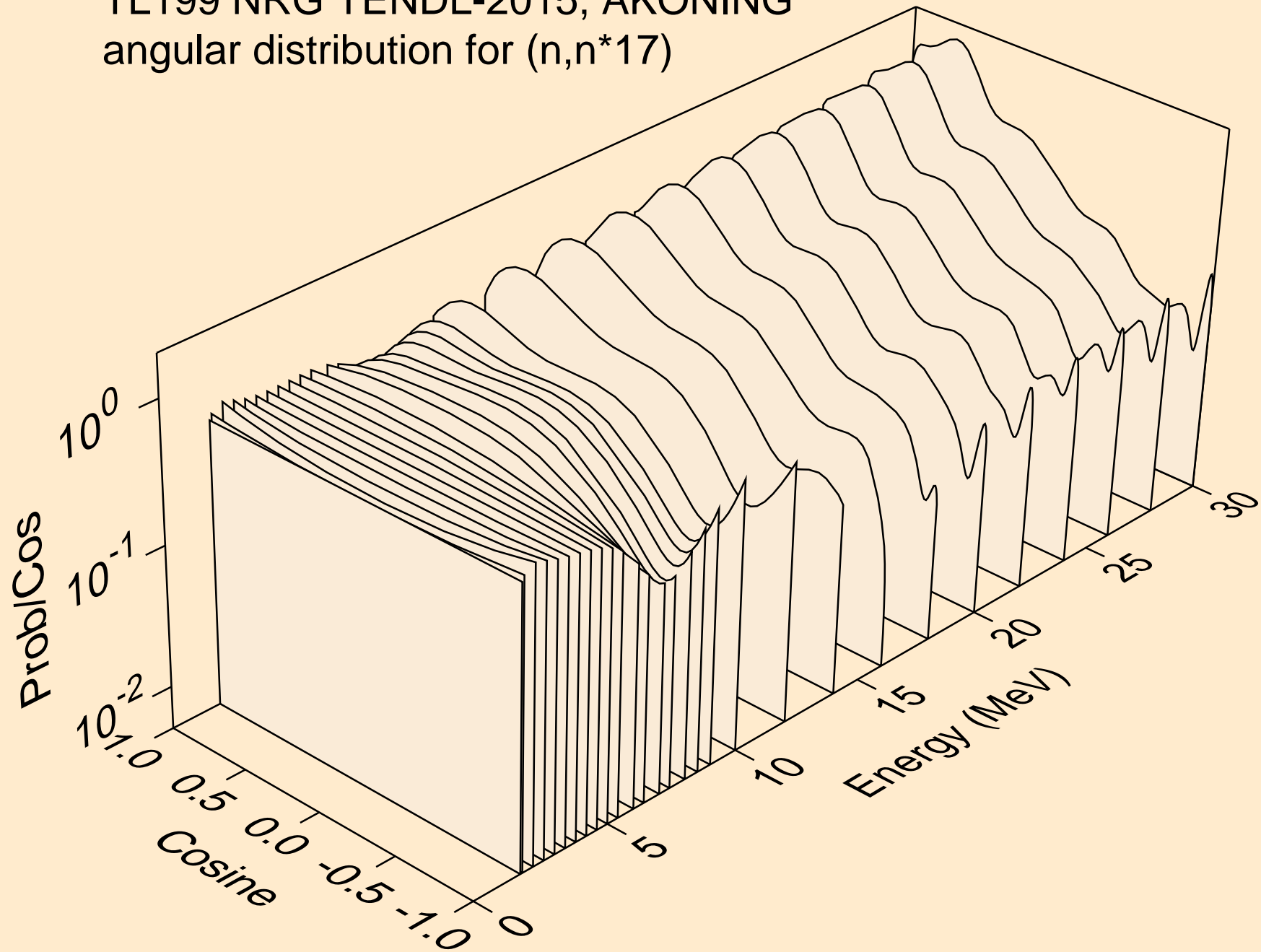
TL199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



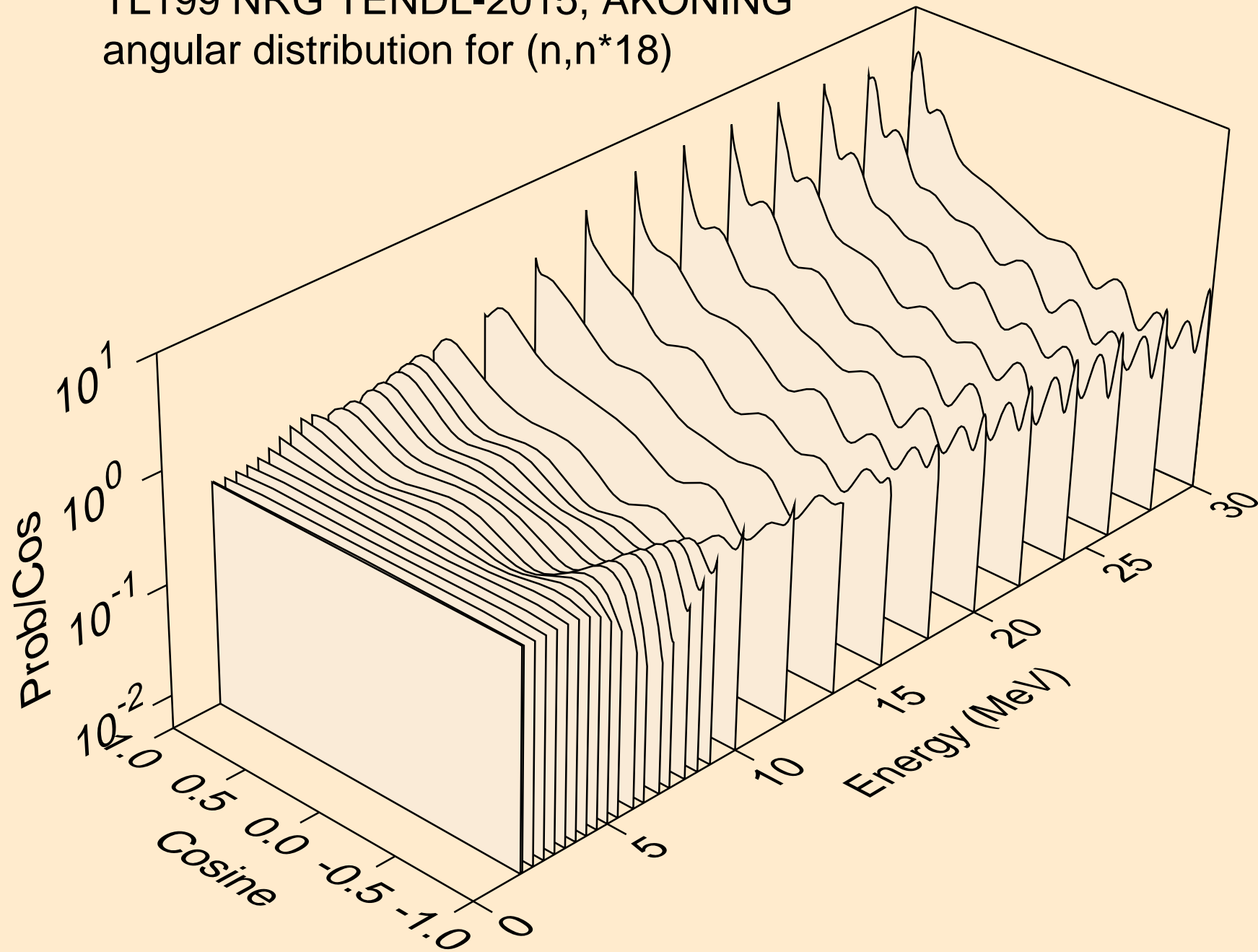
TL199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)



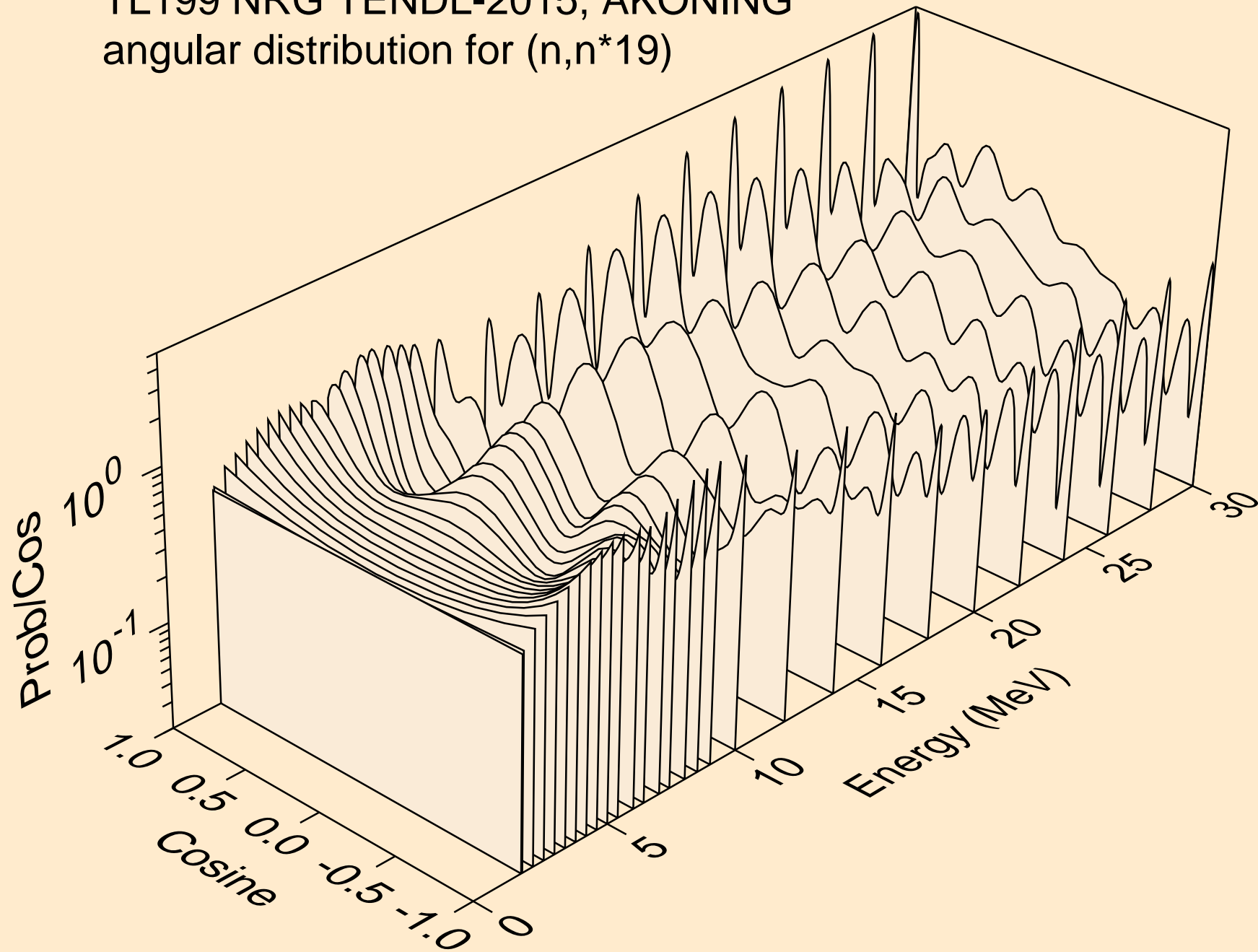
TL199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



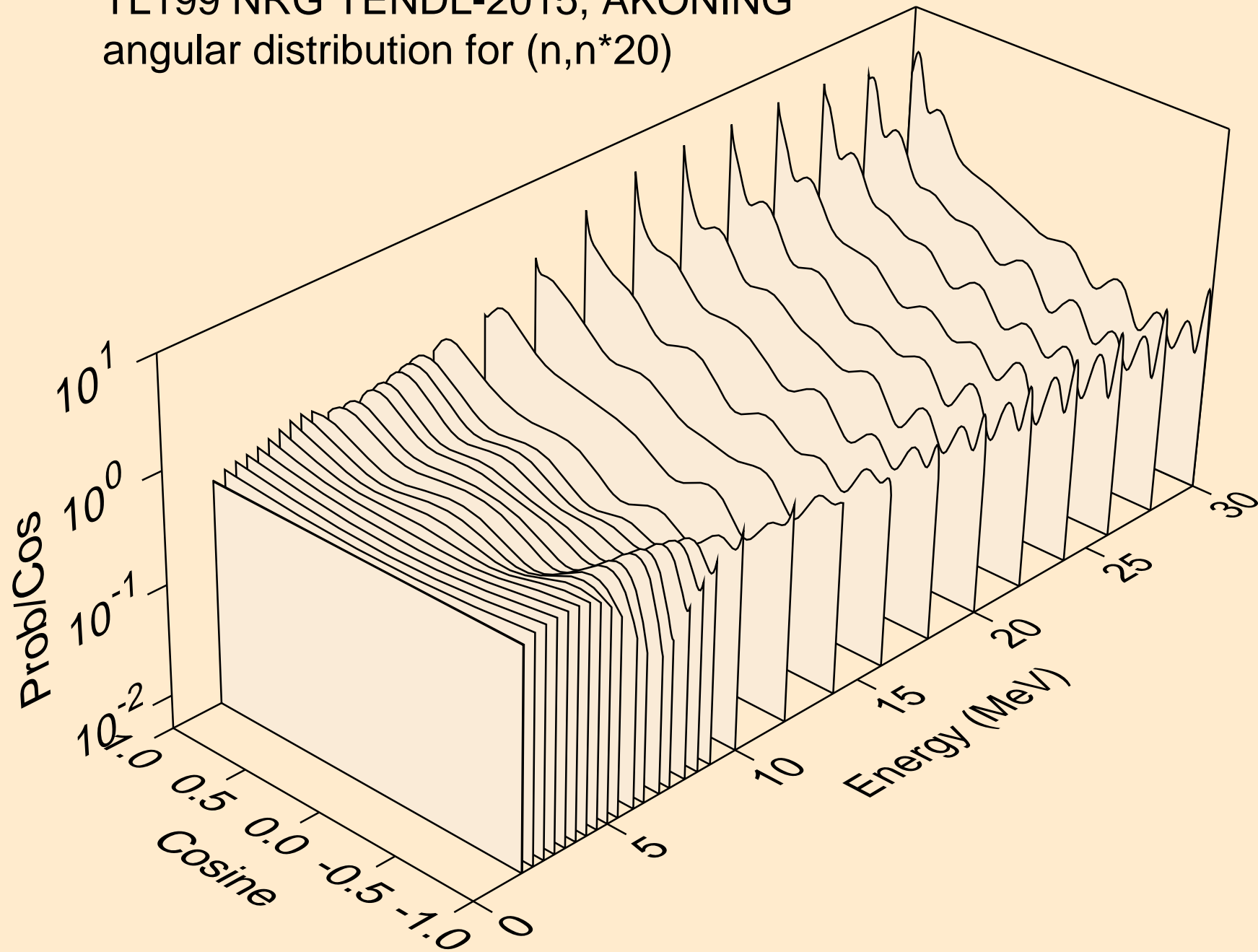
TL199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



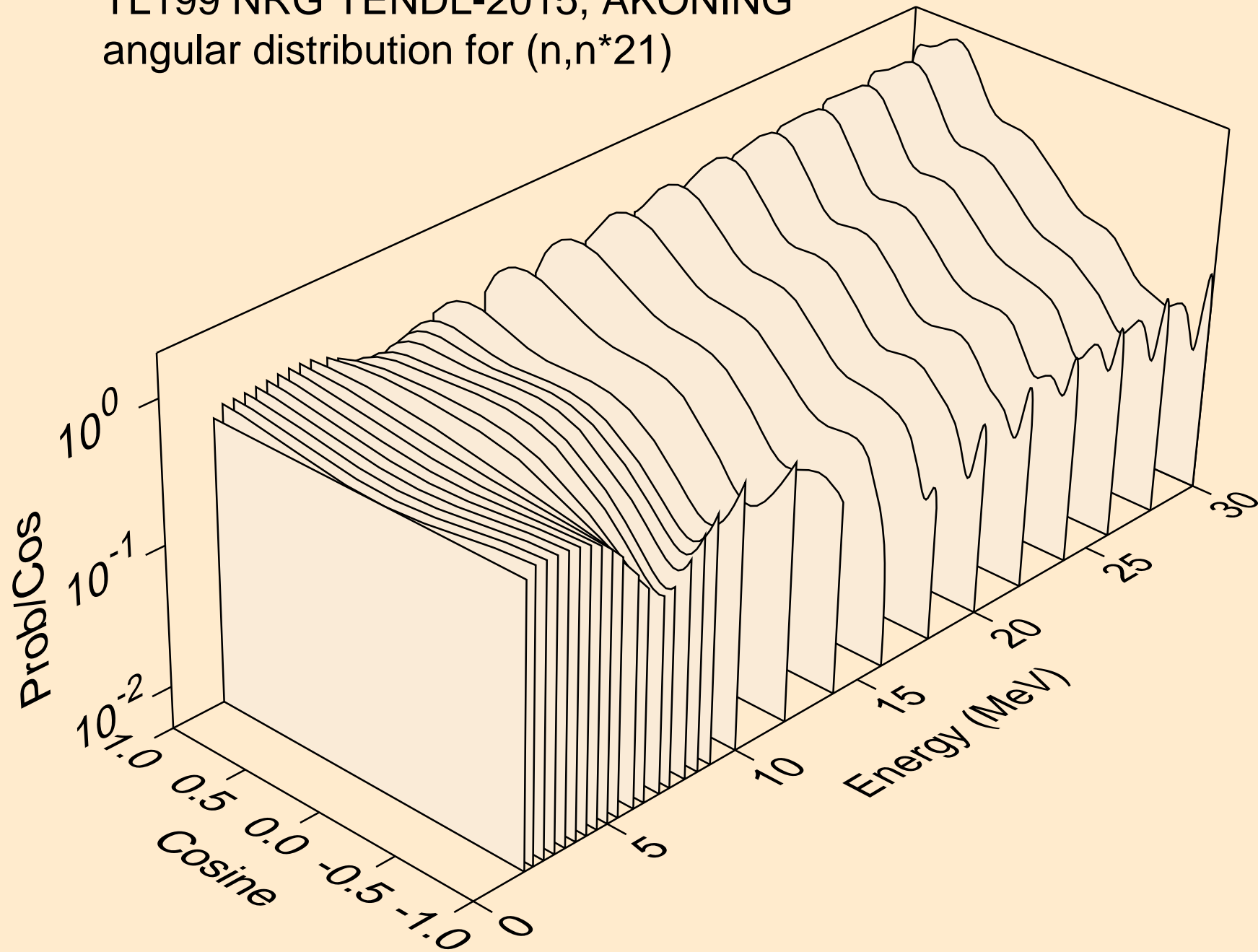
TL199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



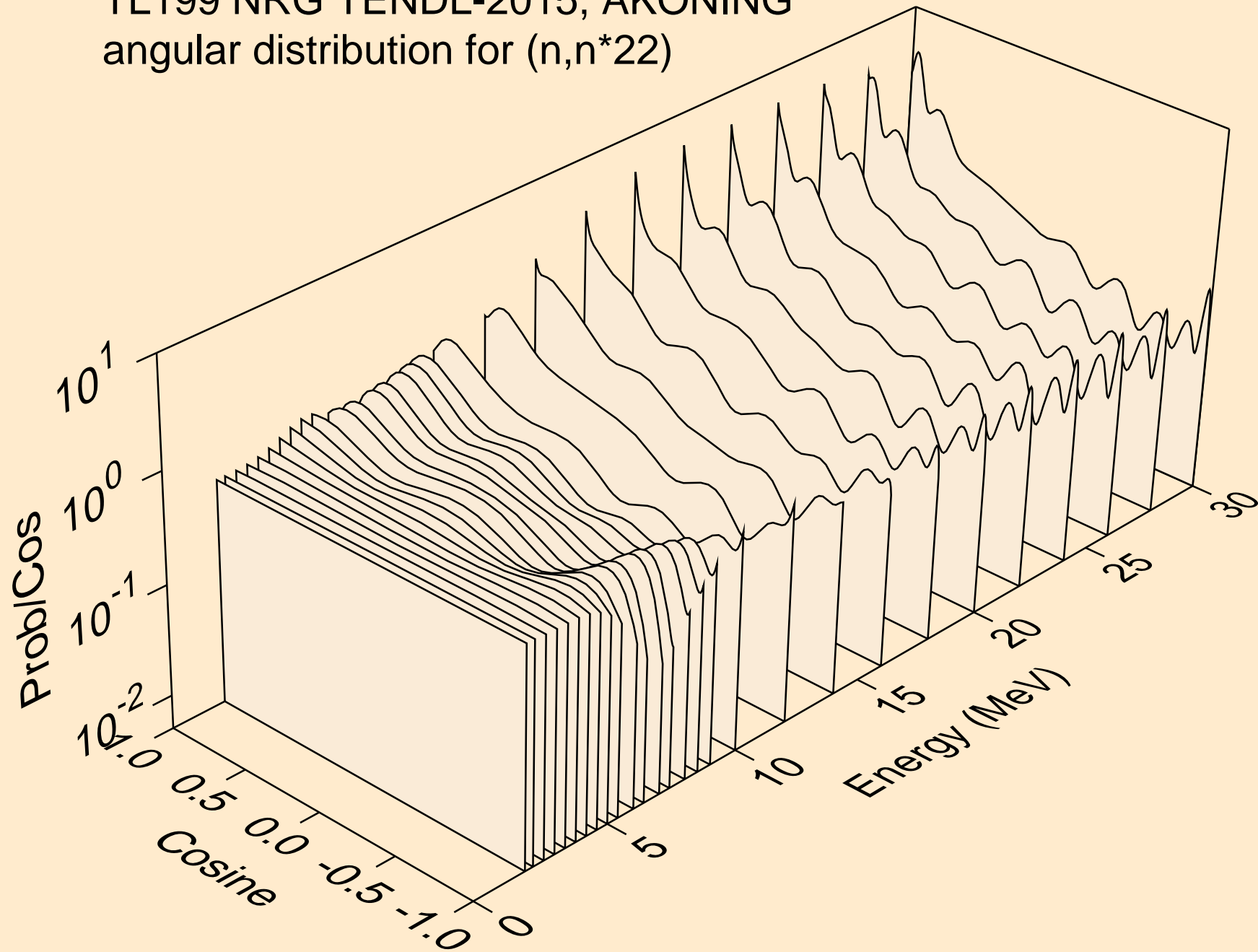
TL199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



TL199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)

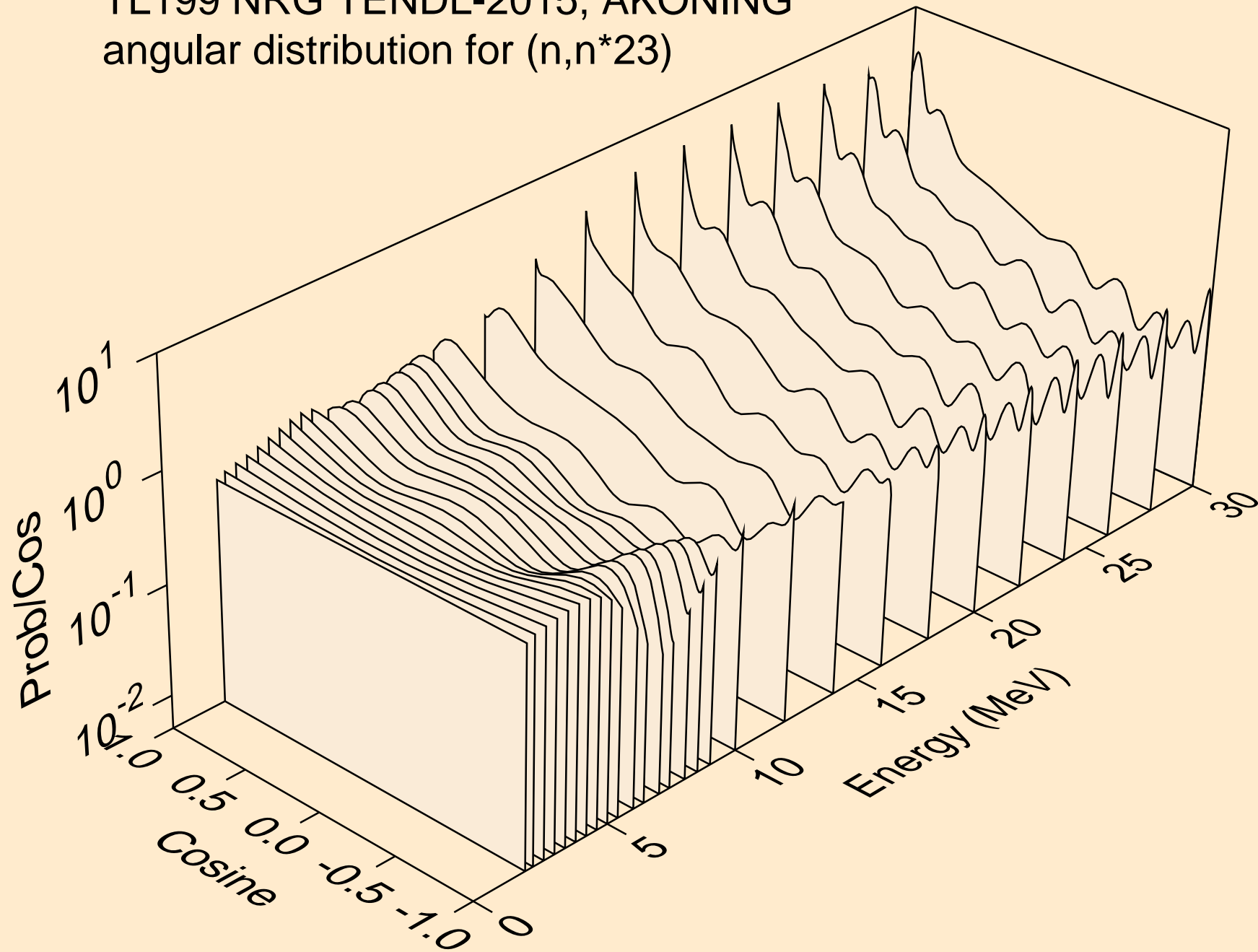


TL199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)

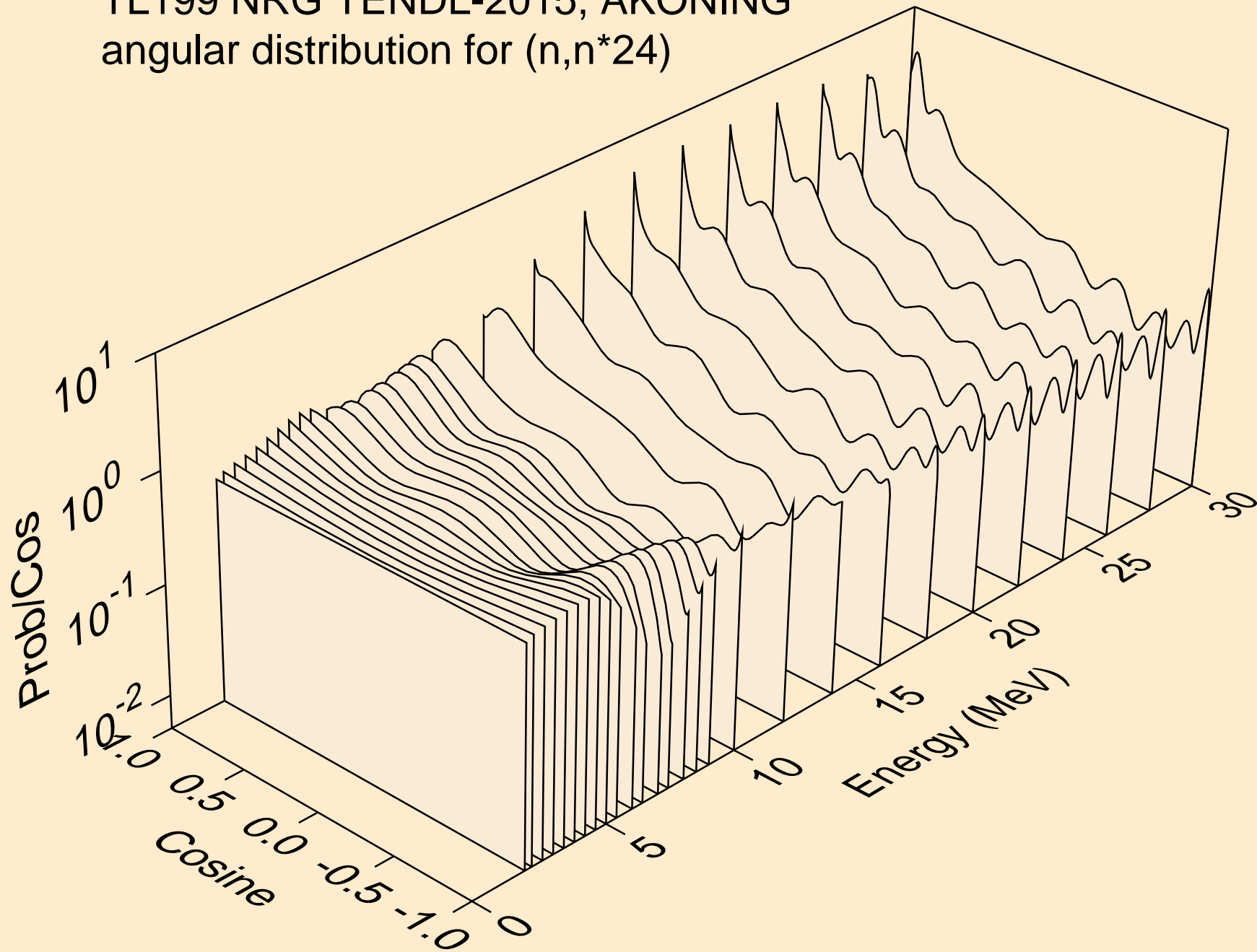




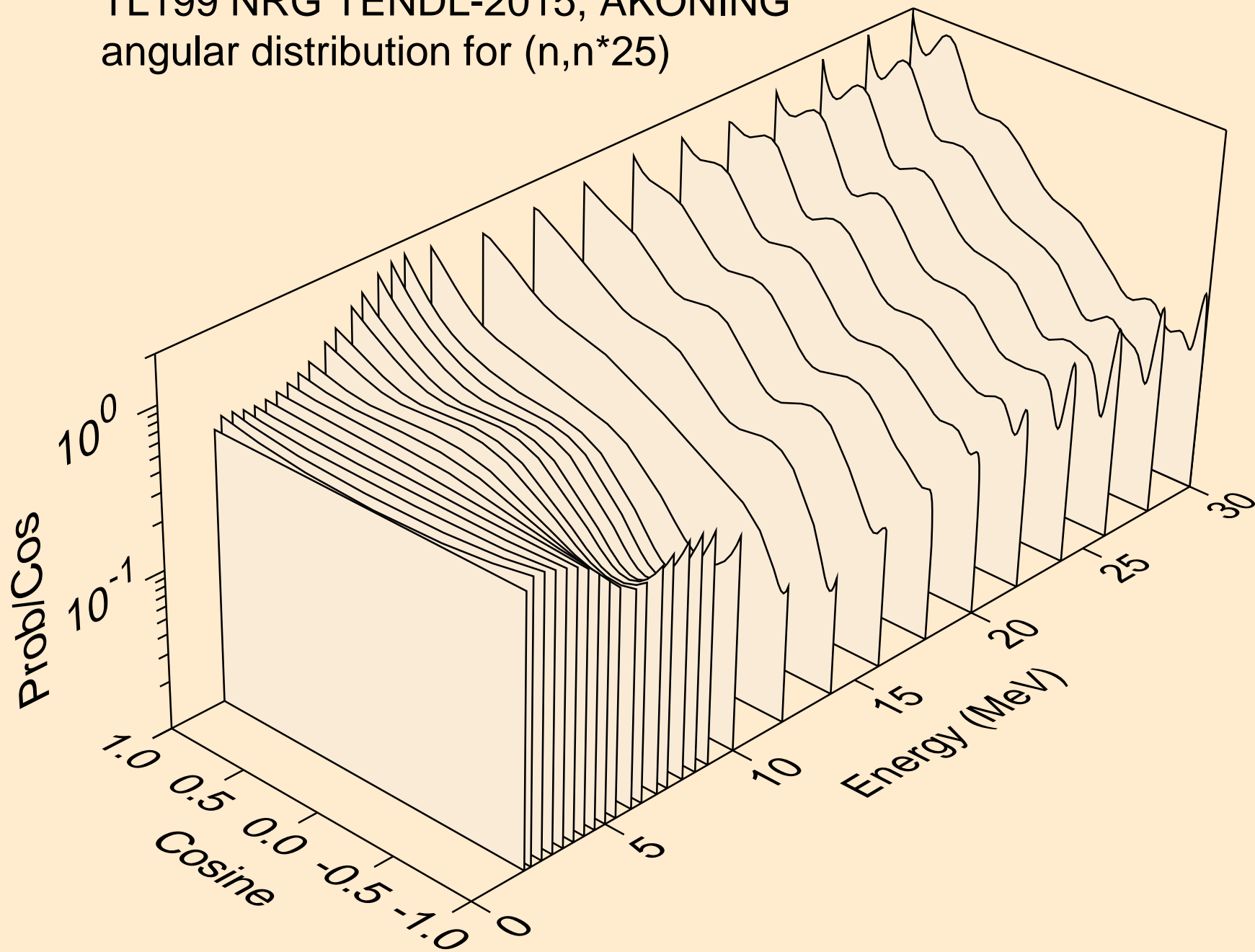
TL199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)



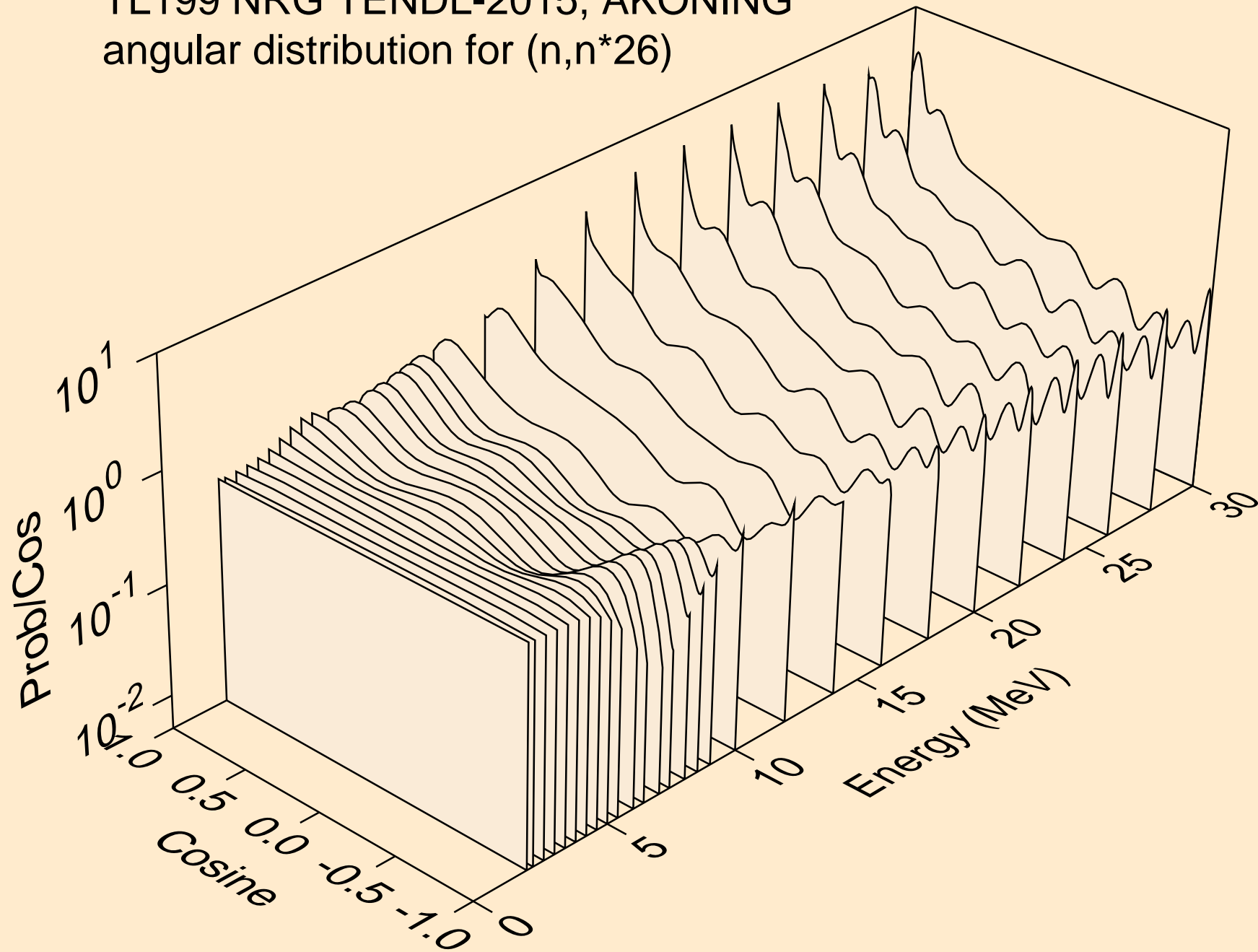
TL199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)



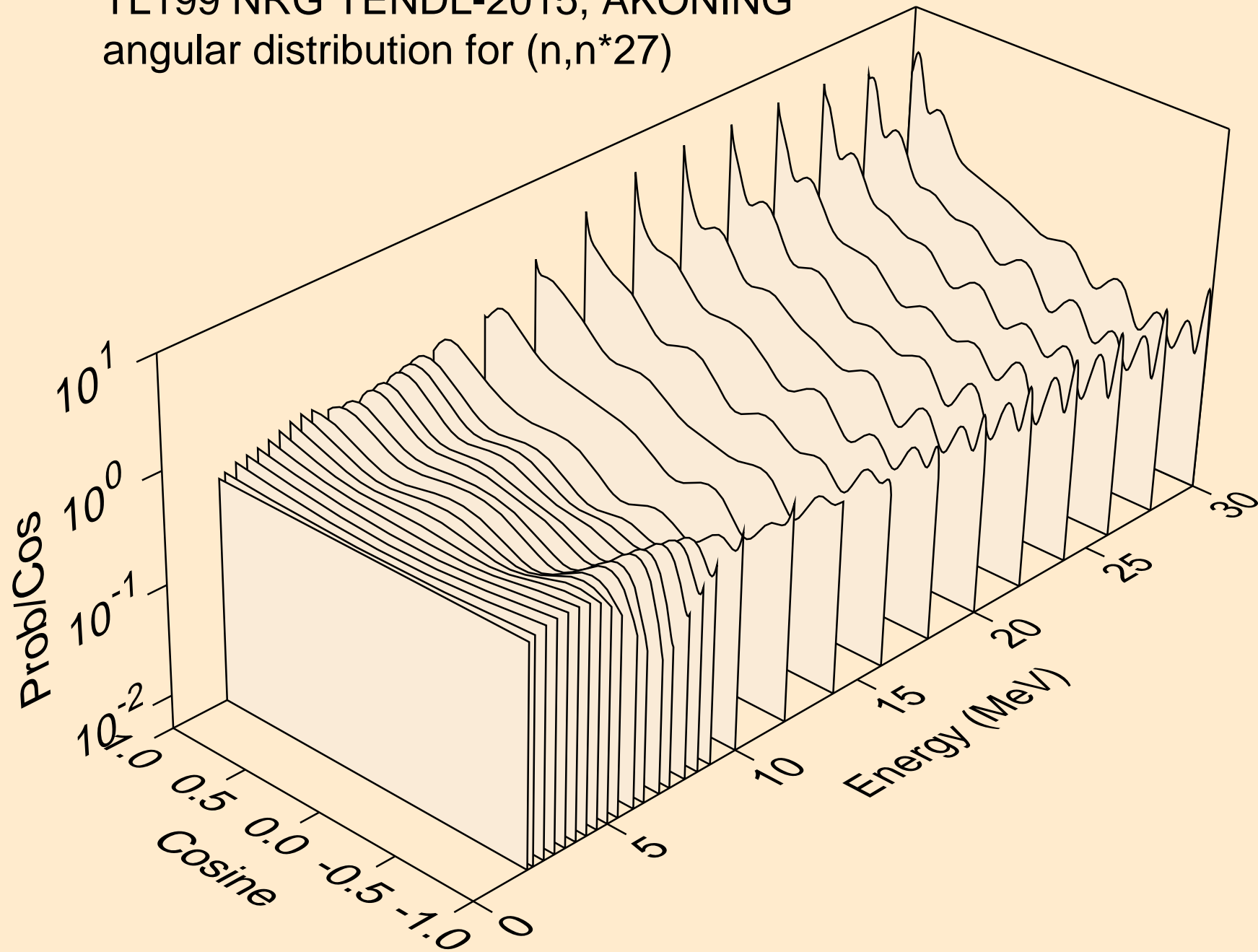
TL199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



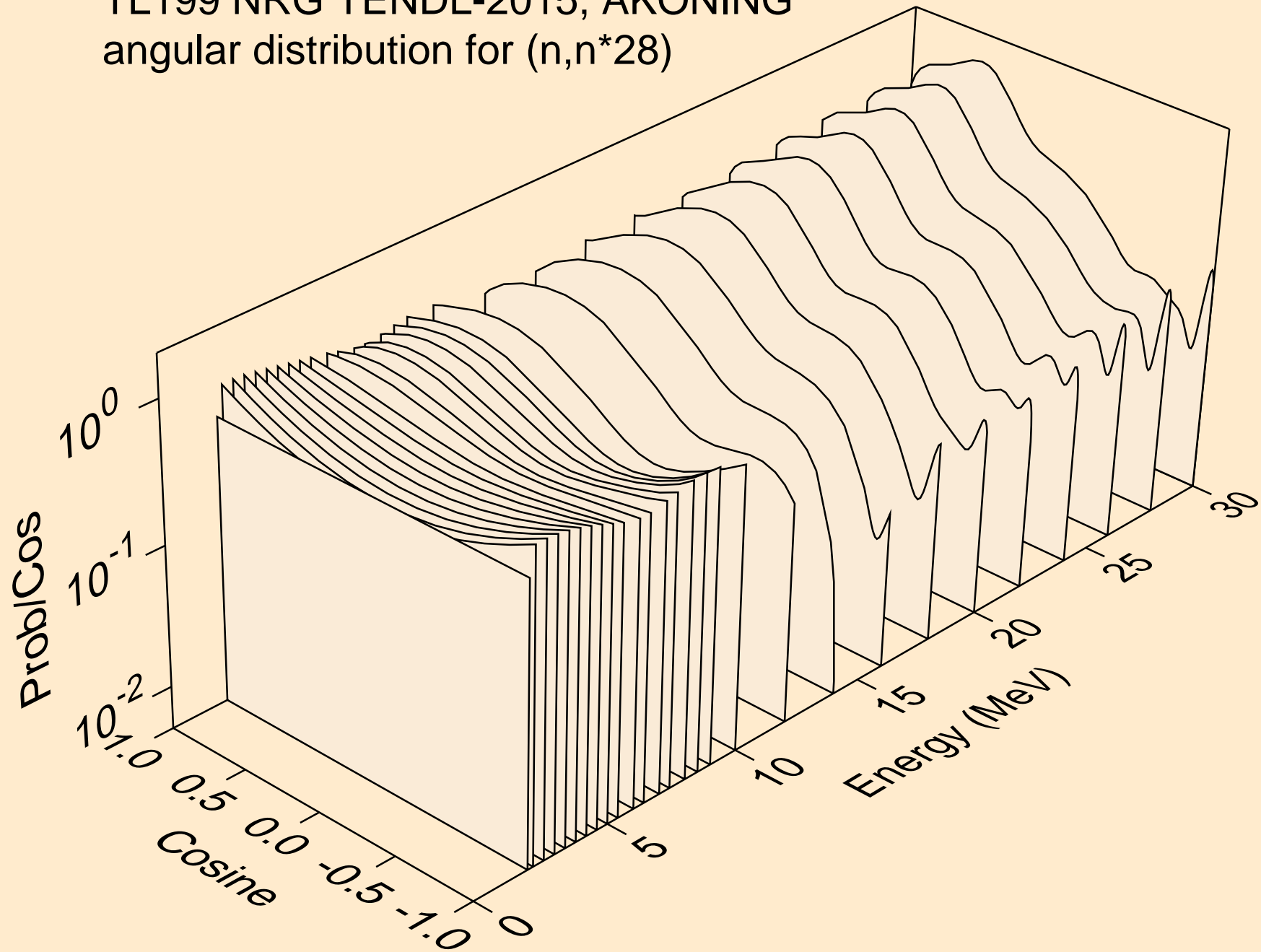
TL199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



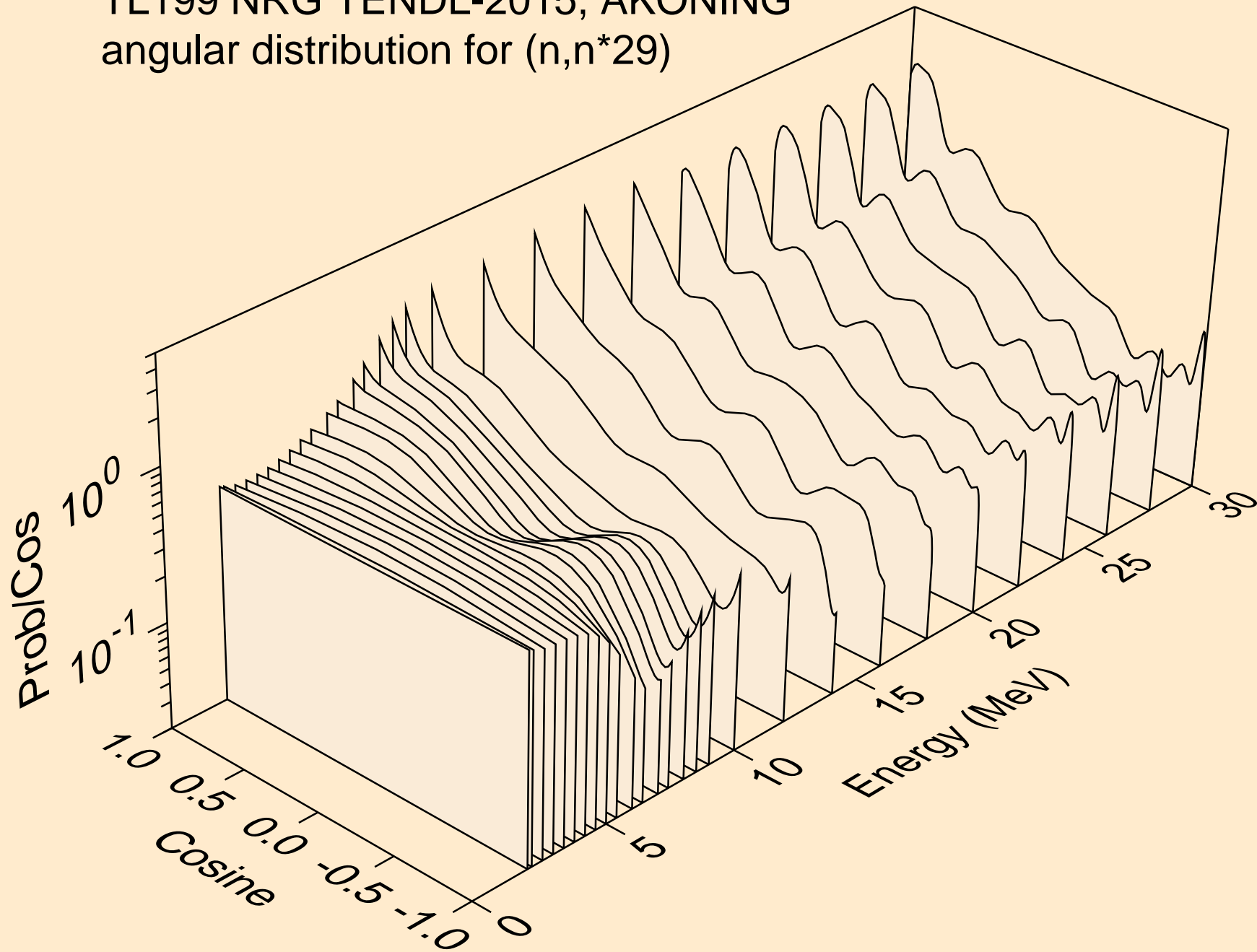
TL199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*27)



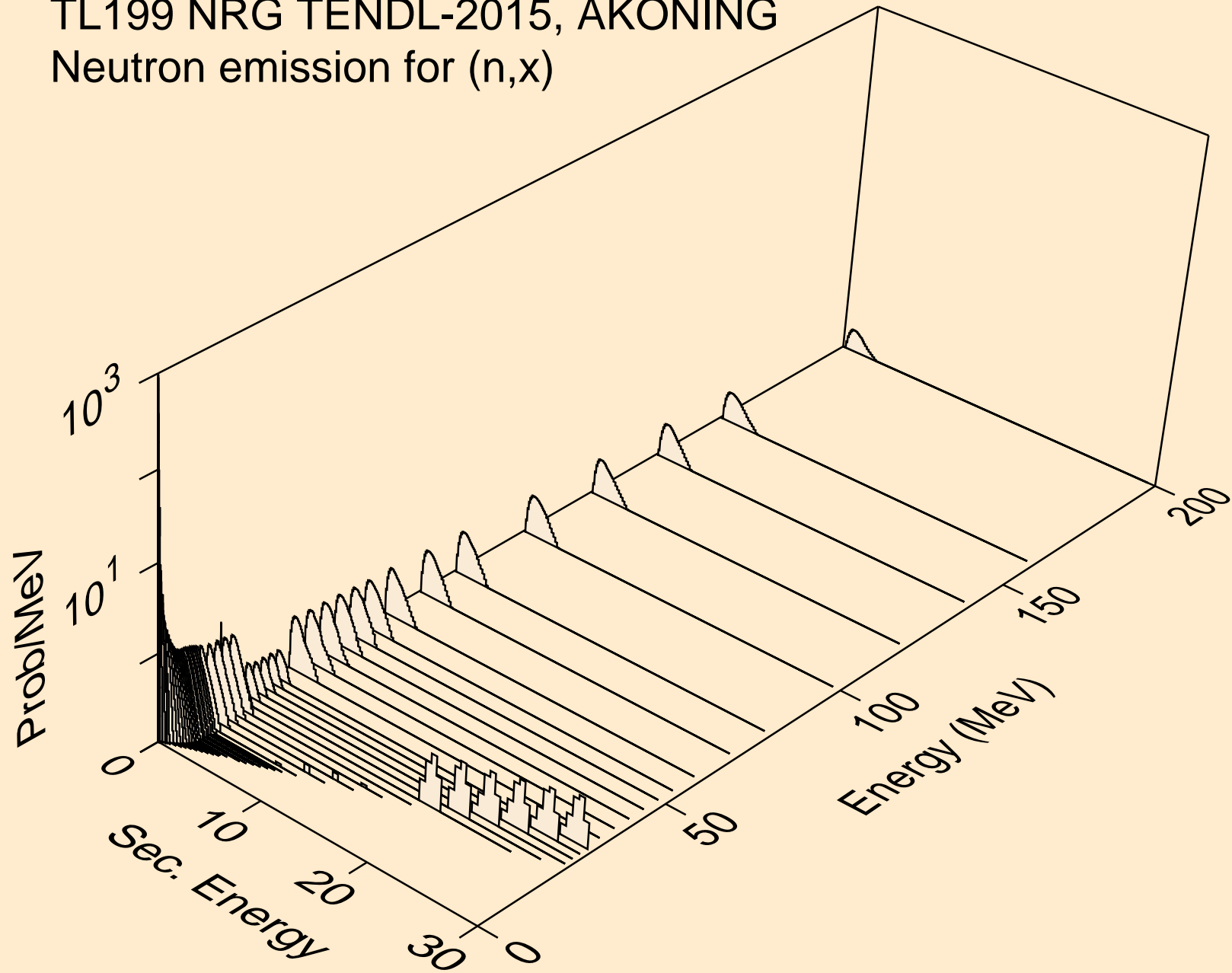
TL199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)



TL199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*29)

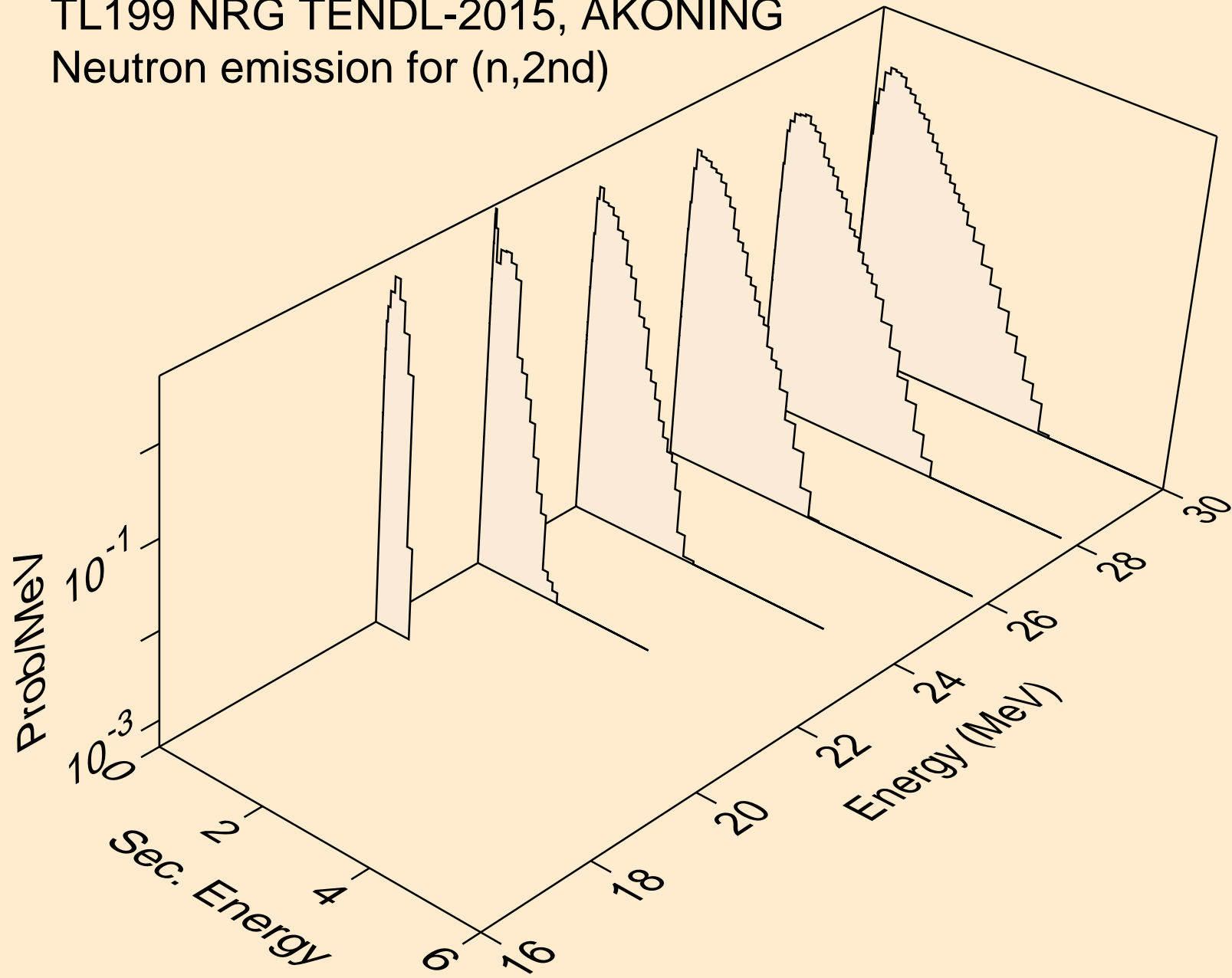


TL199 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)

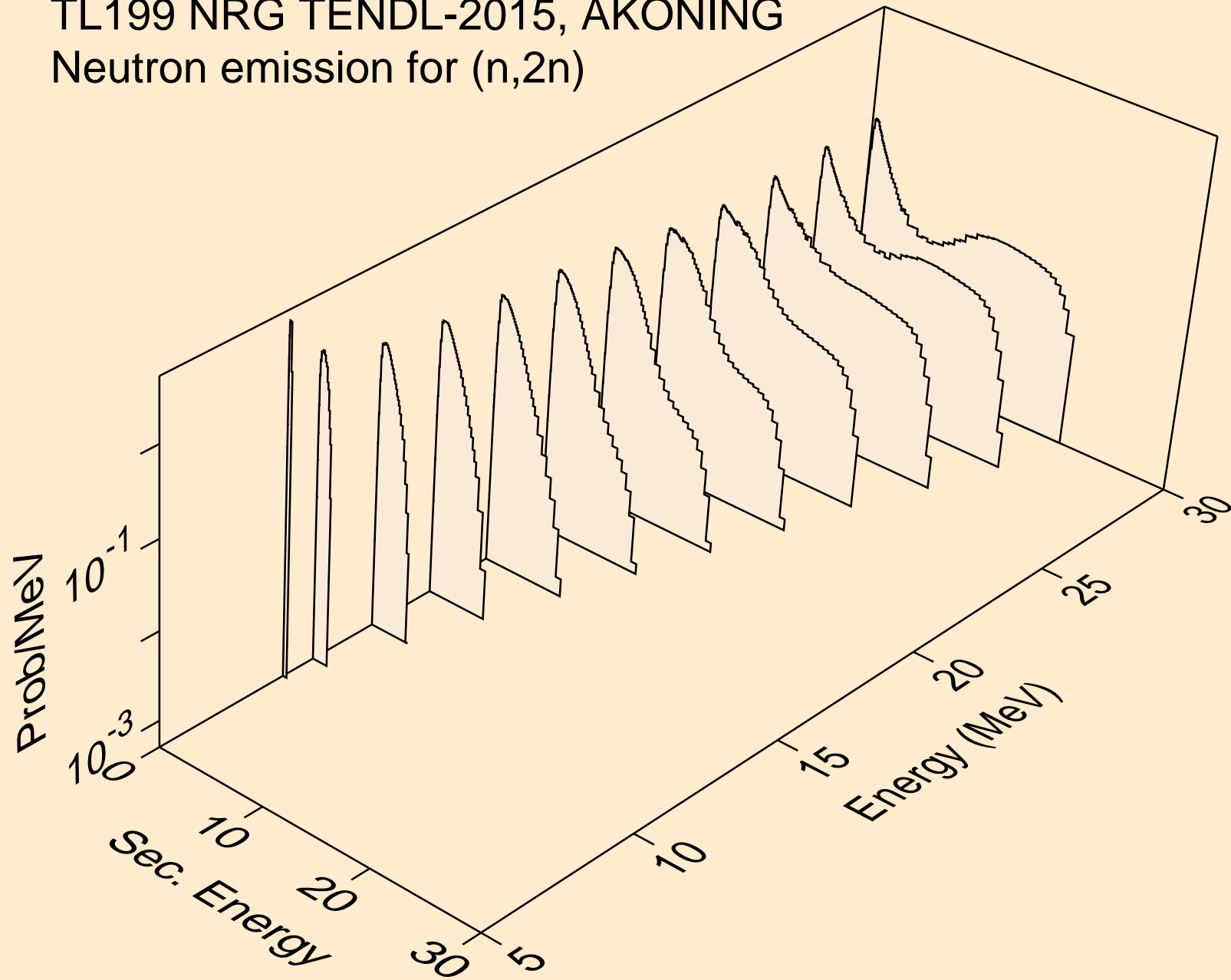




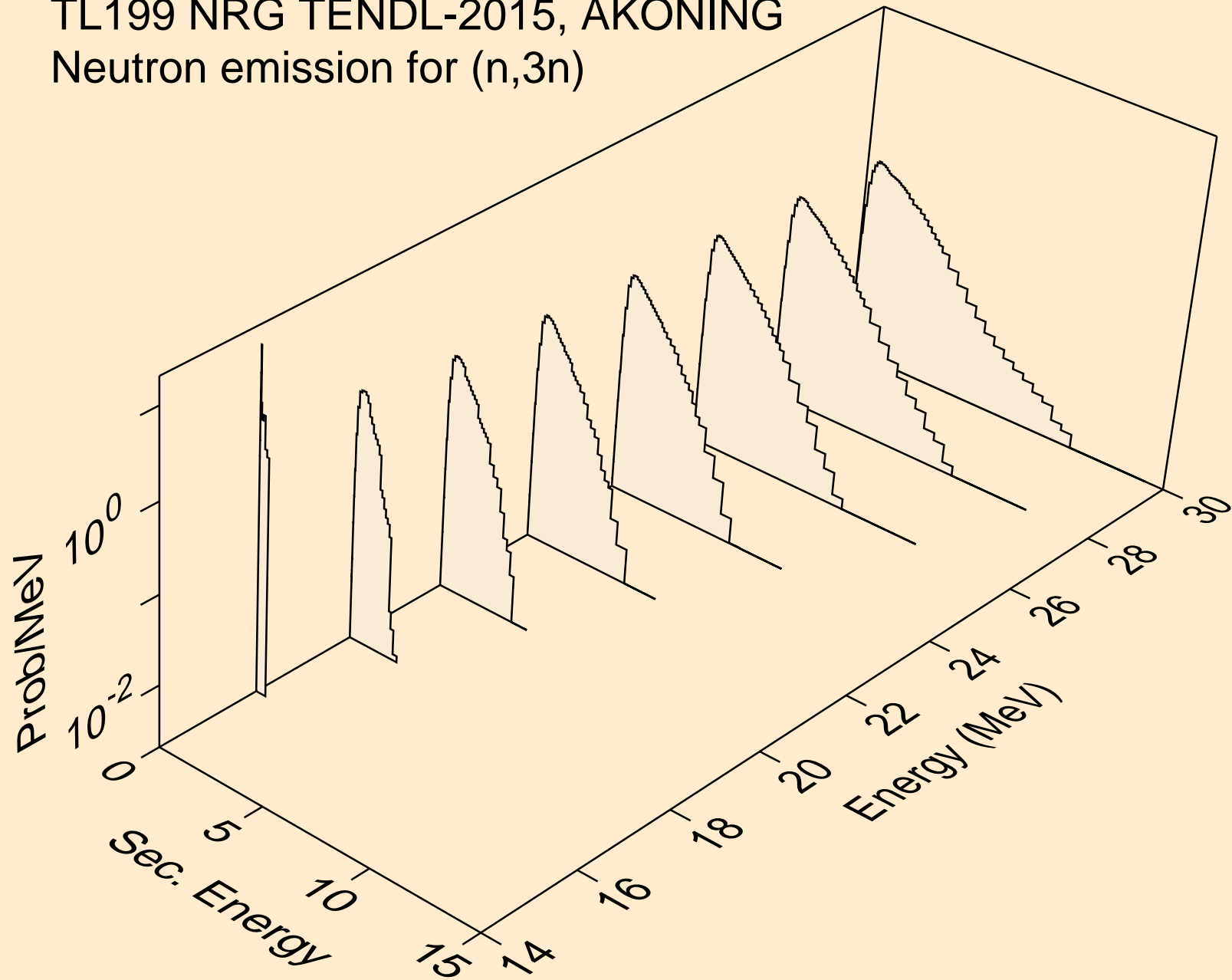
TL199 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



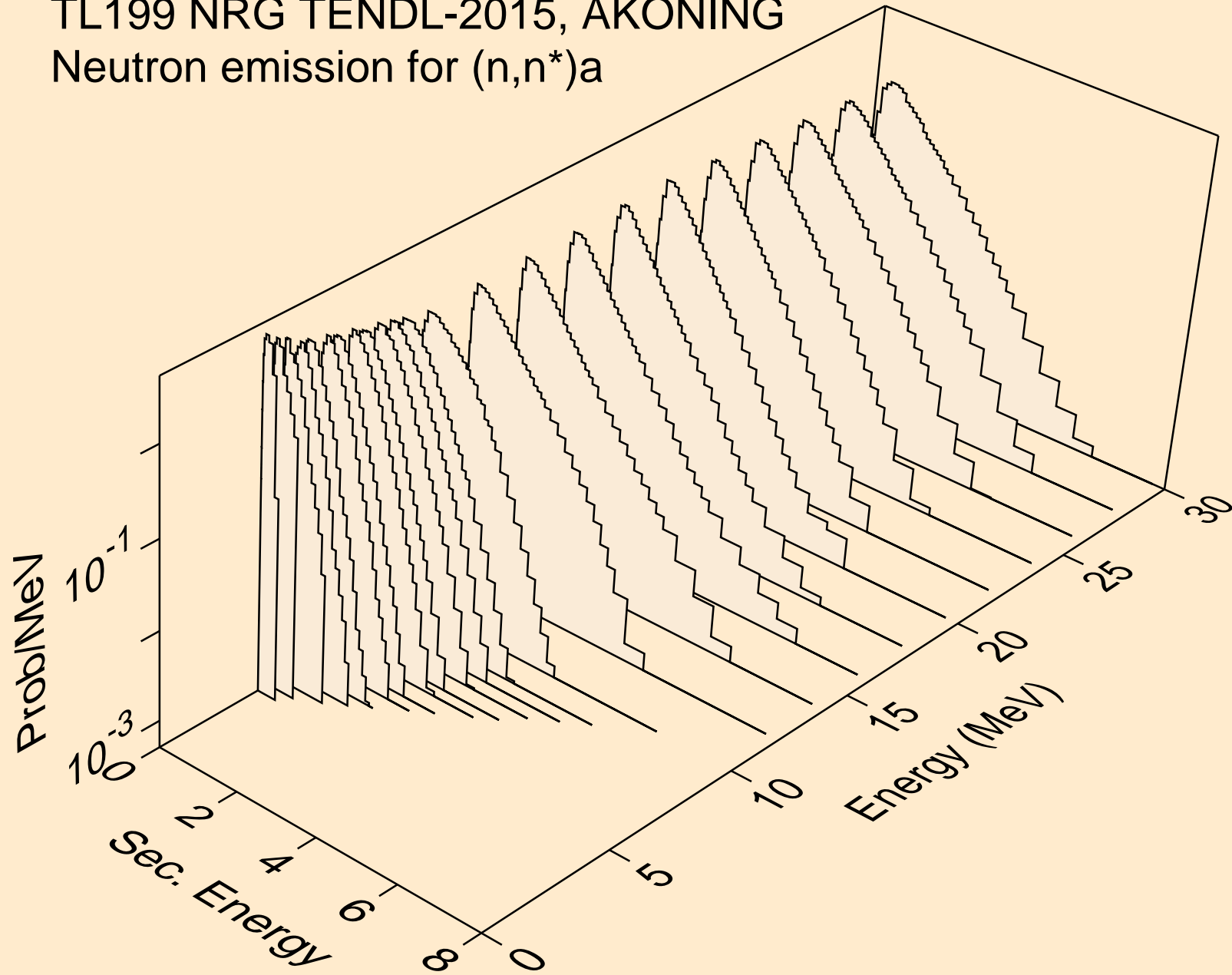
TL199 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



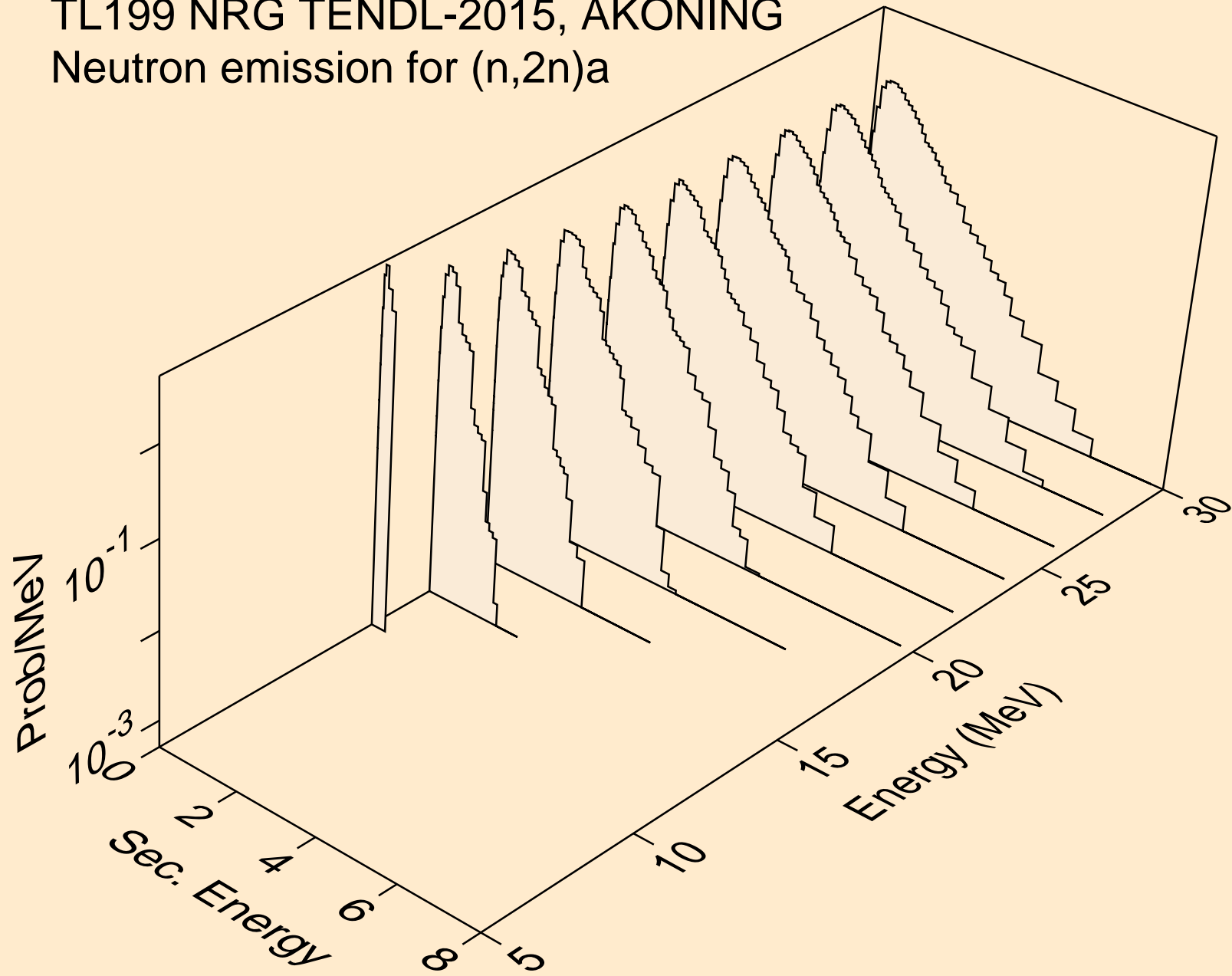
TL199 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



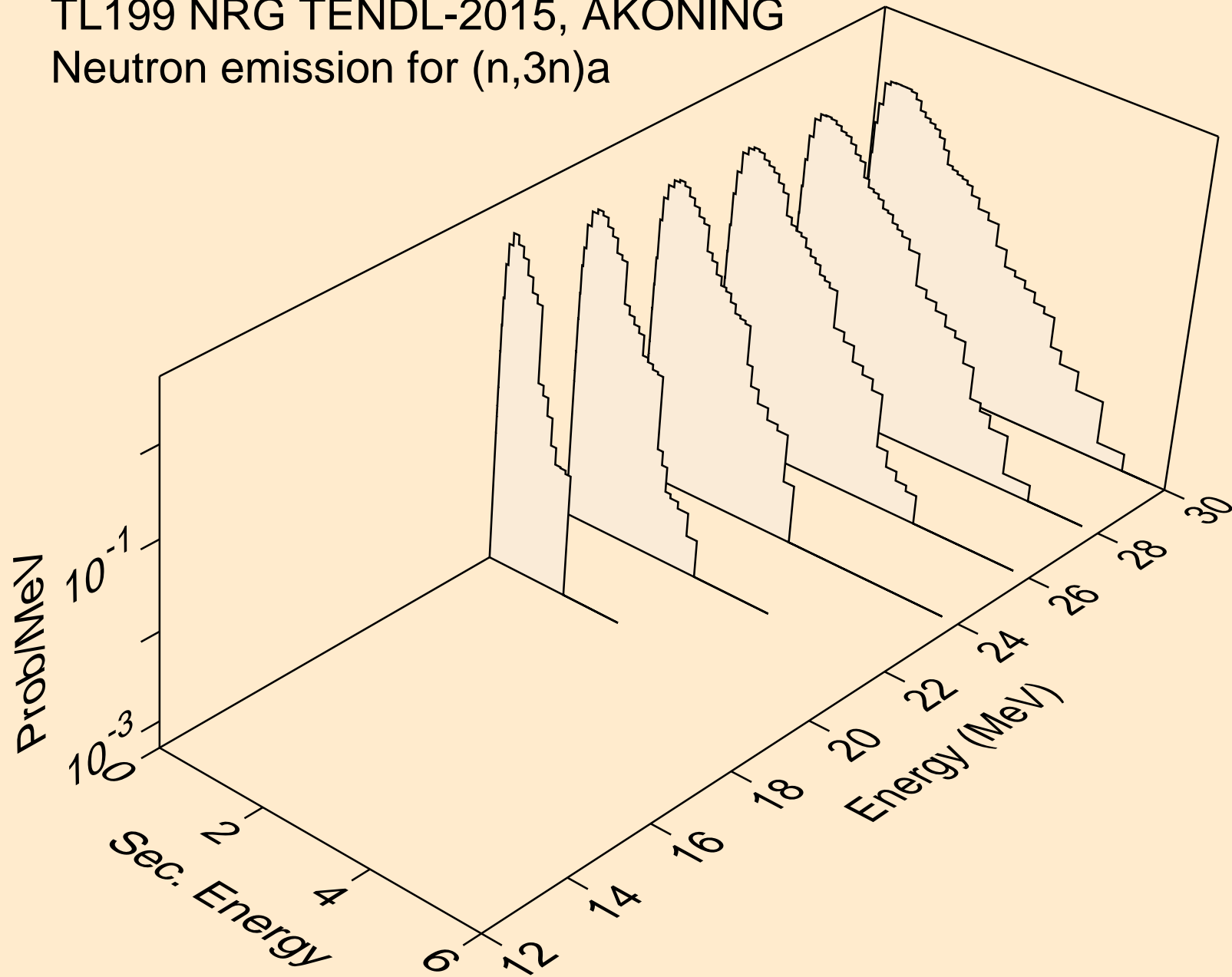
TL199 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



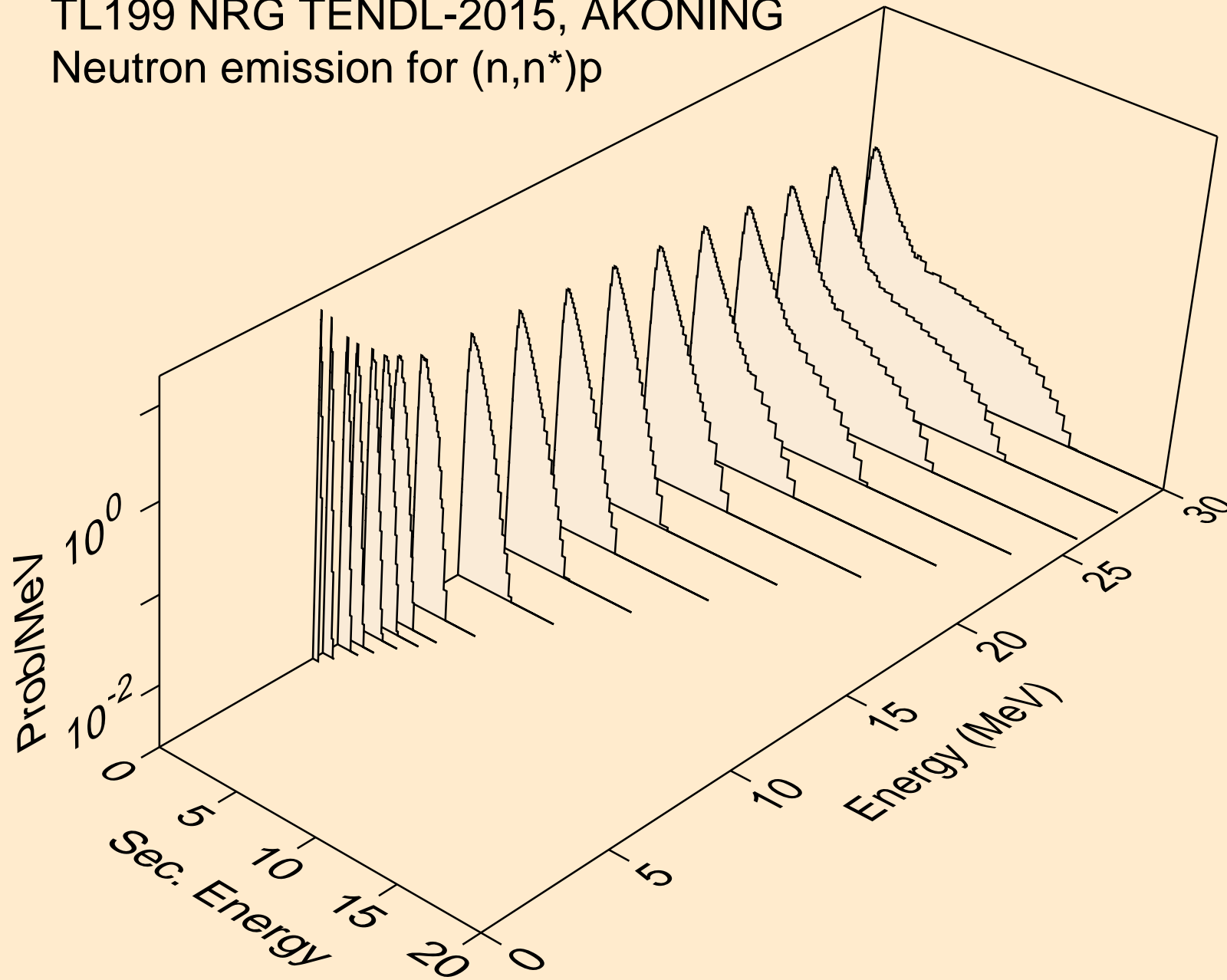
TL199 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



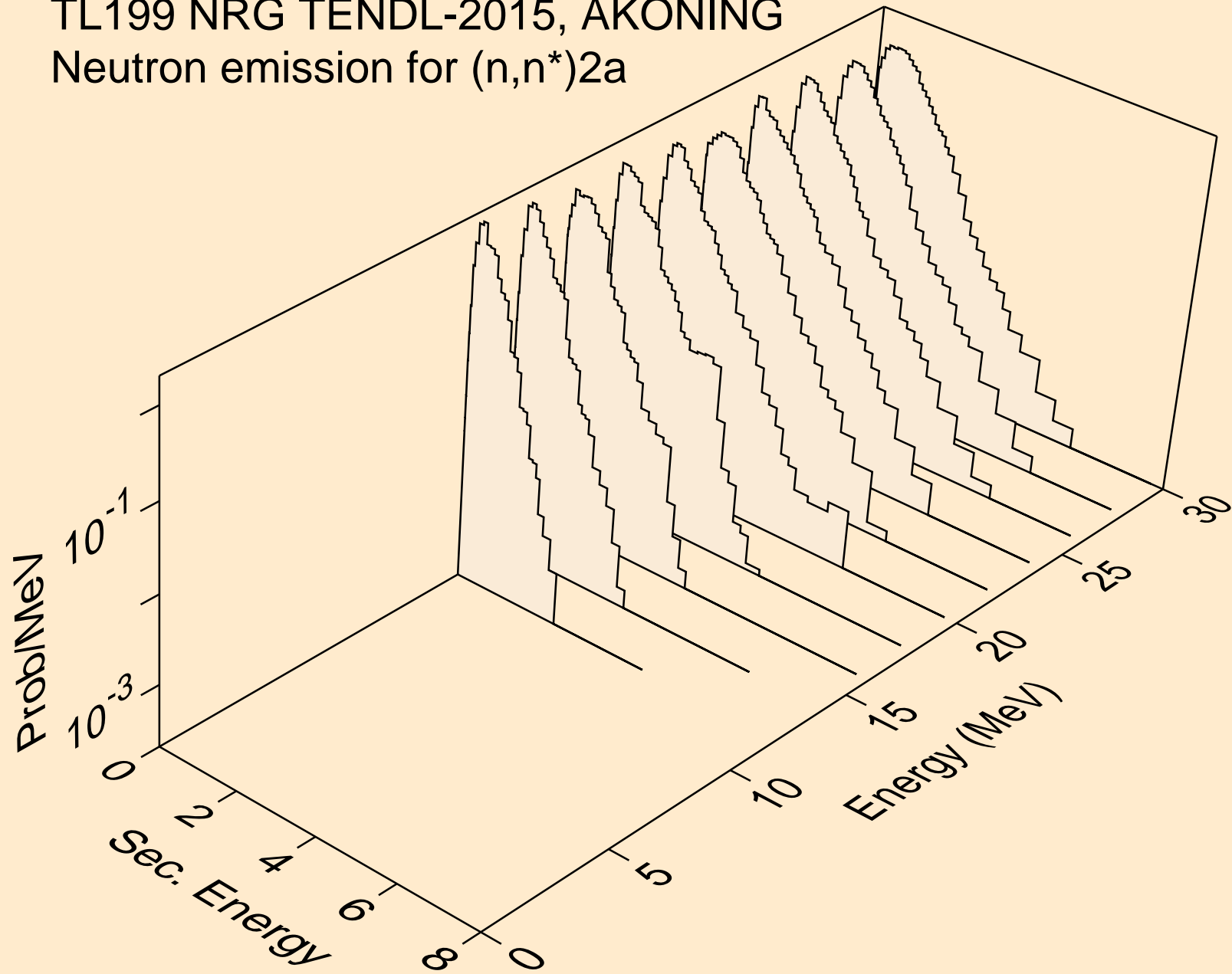
TL199 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



TL199 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p

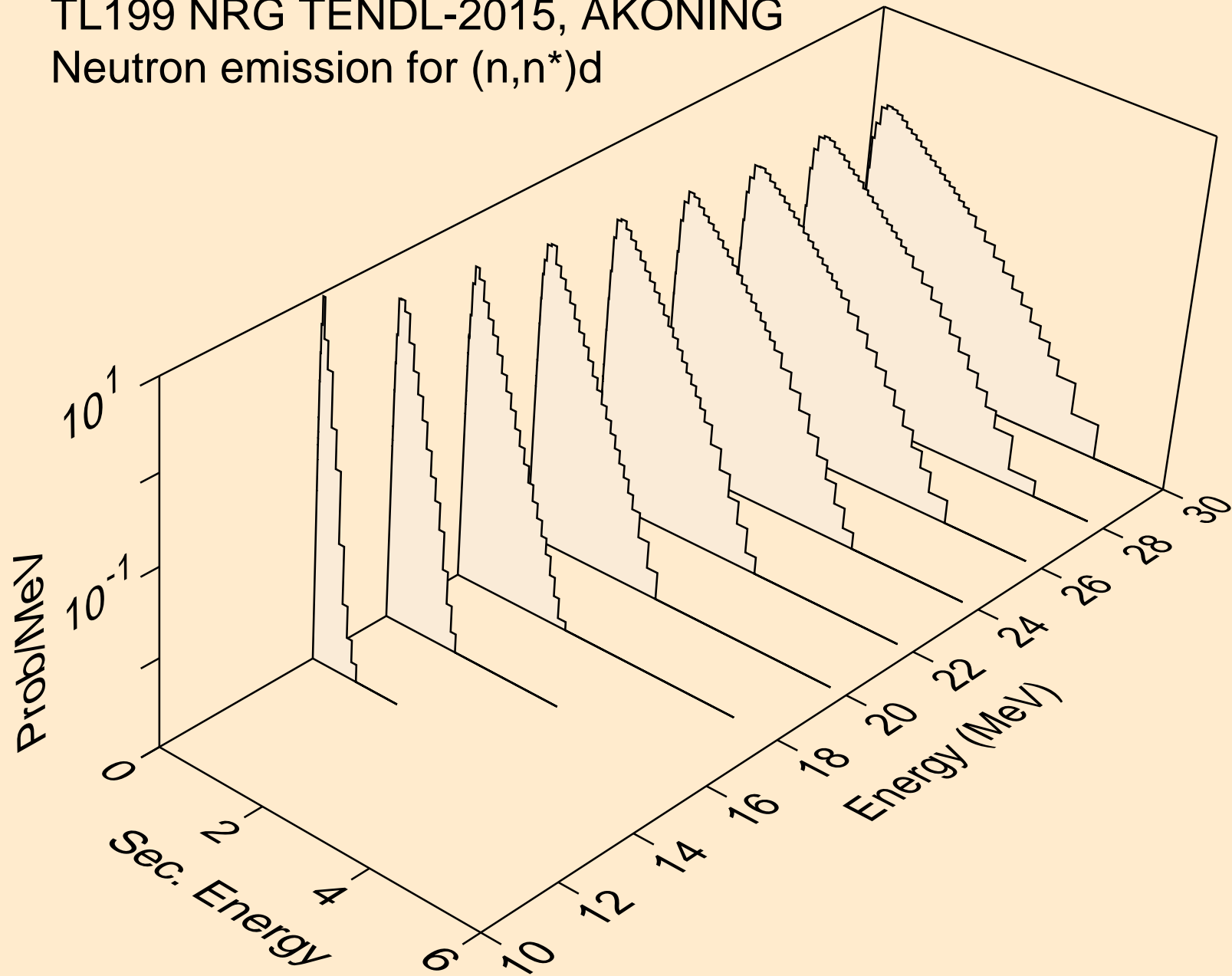


TL199 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a

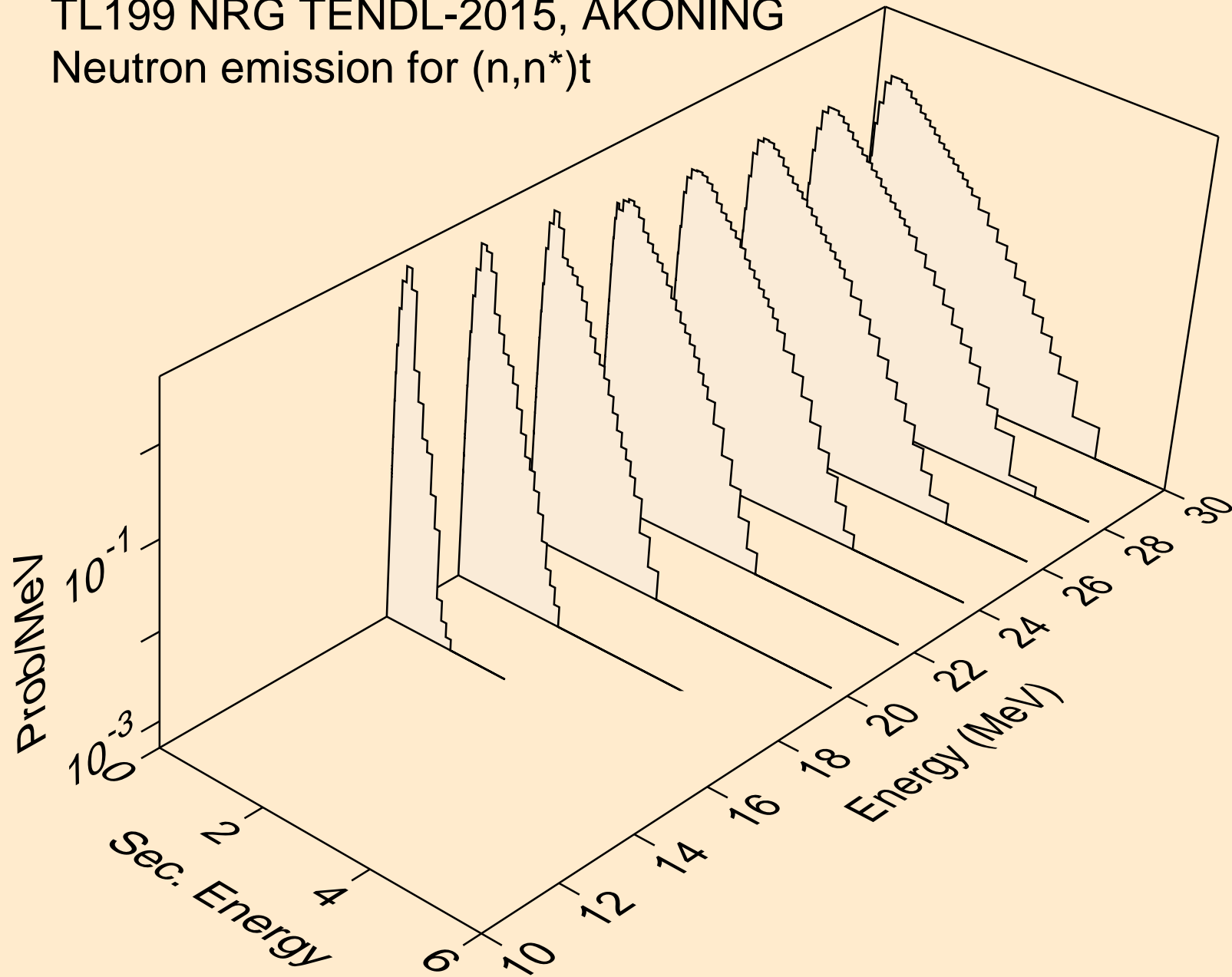




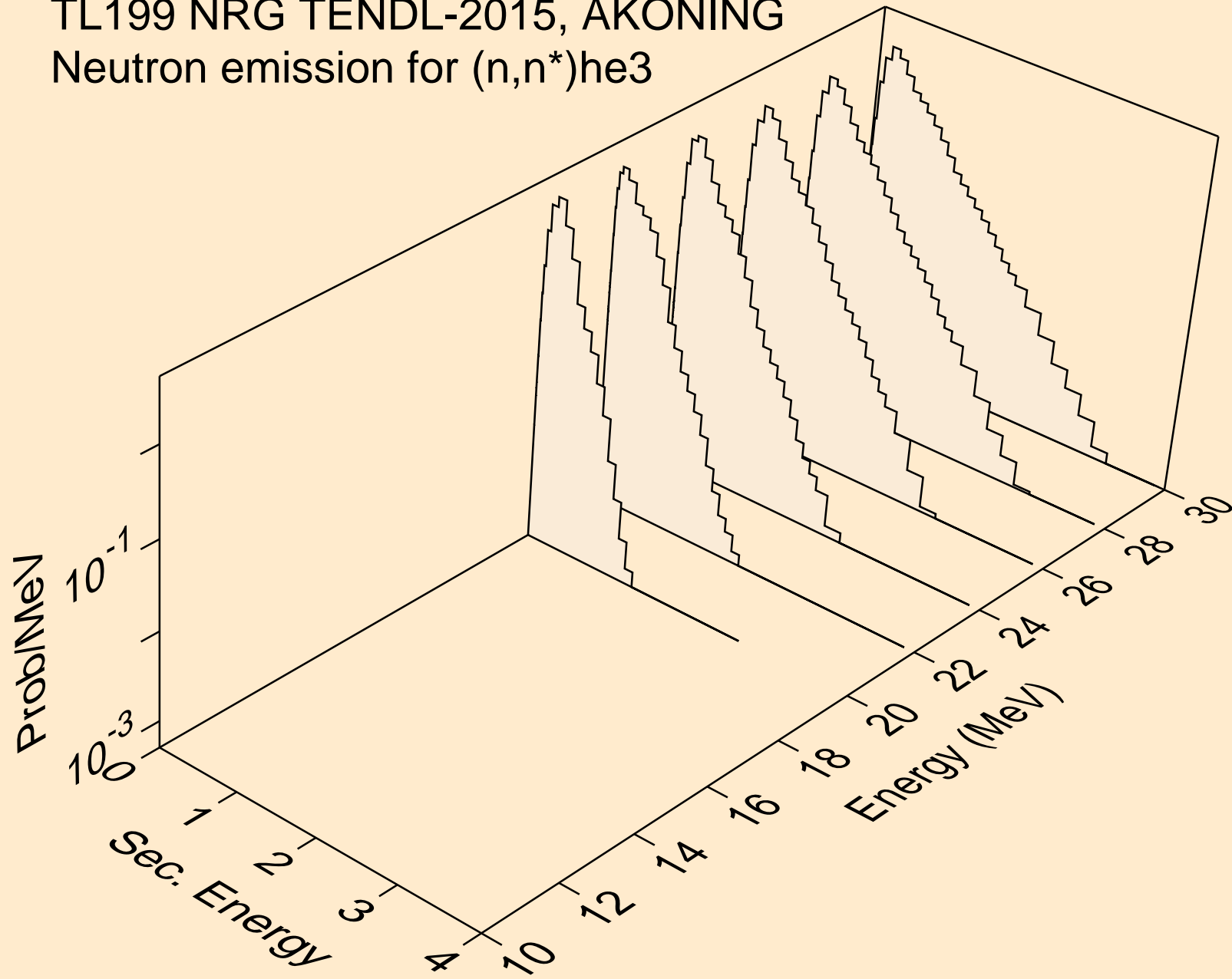
TL199 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



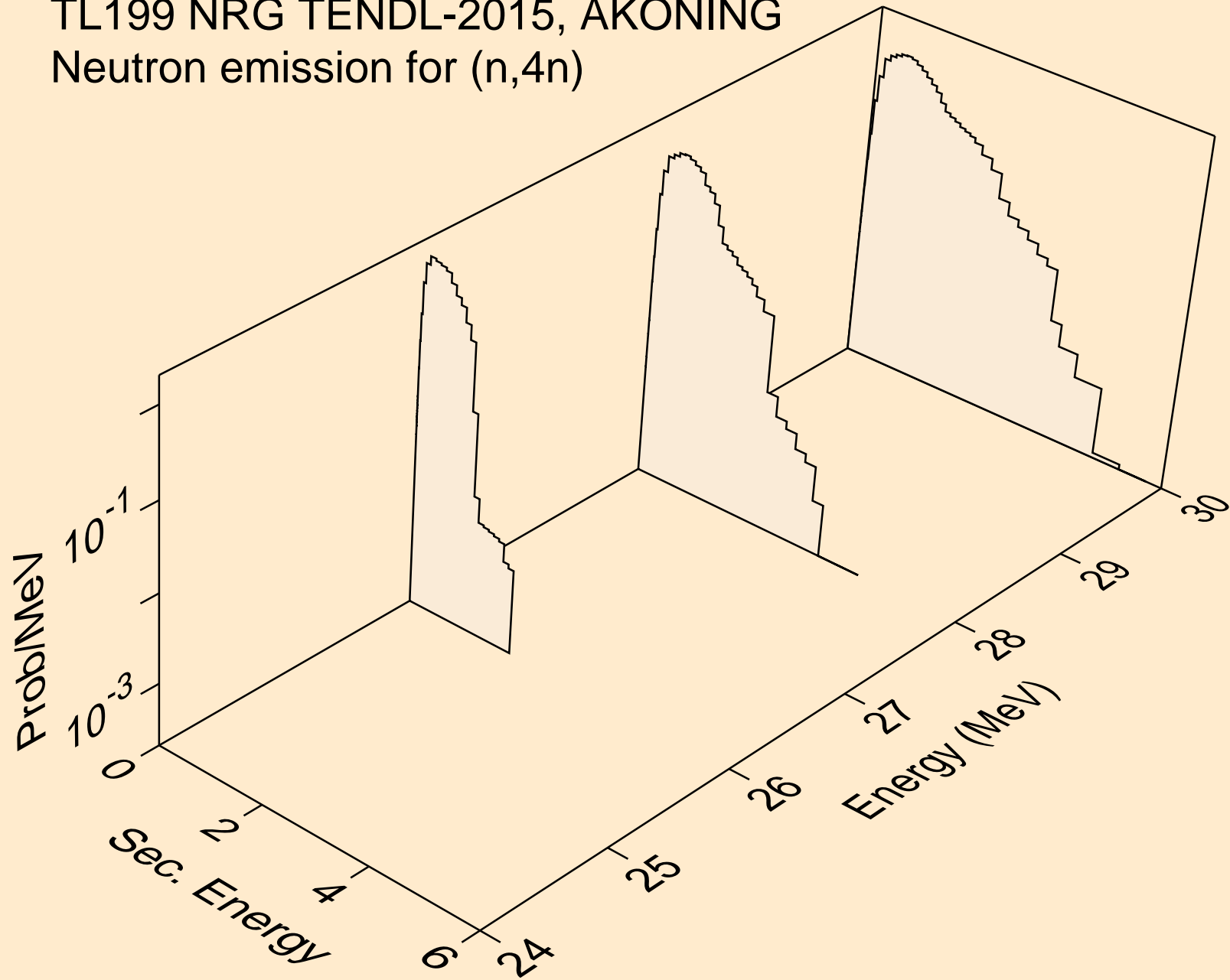
TL199 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



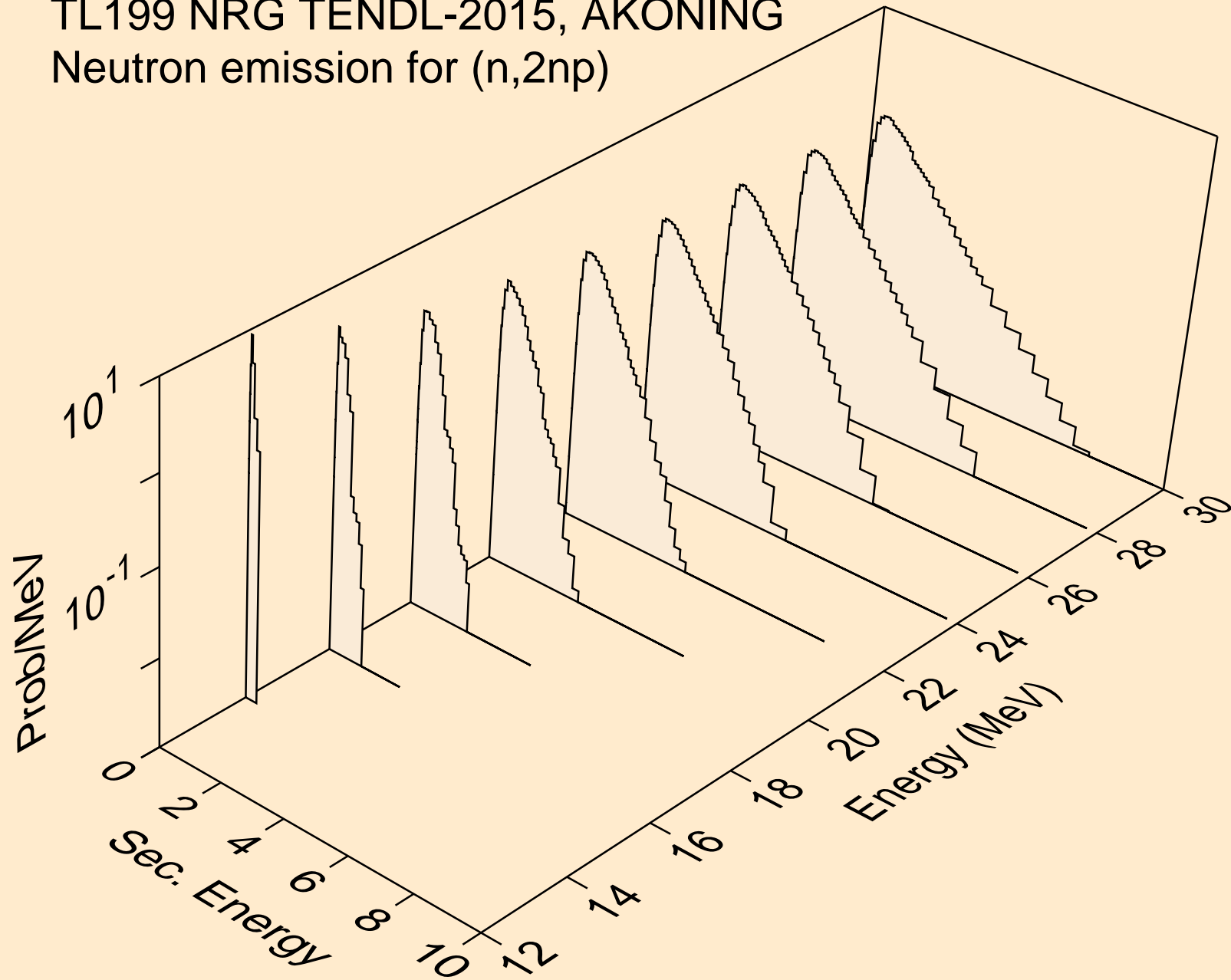
TL199 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



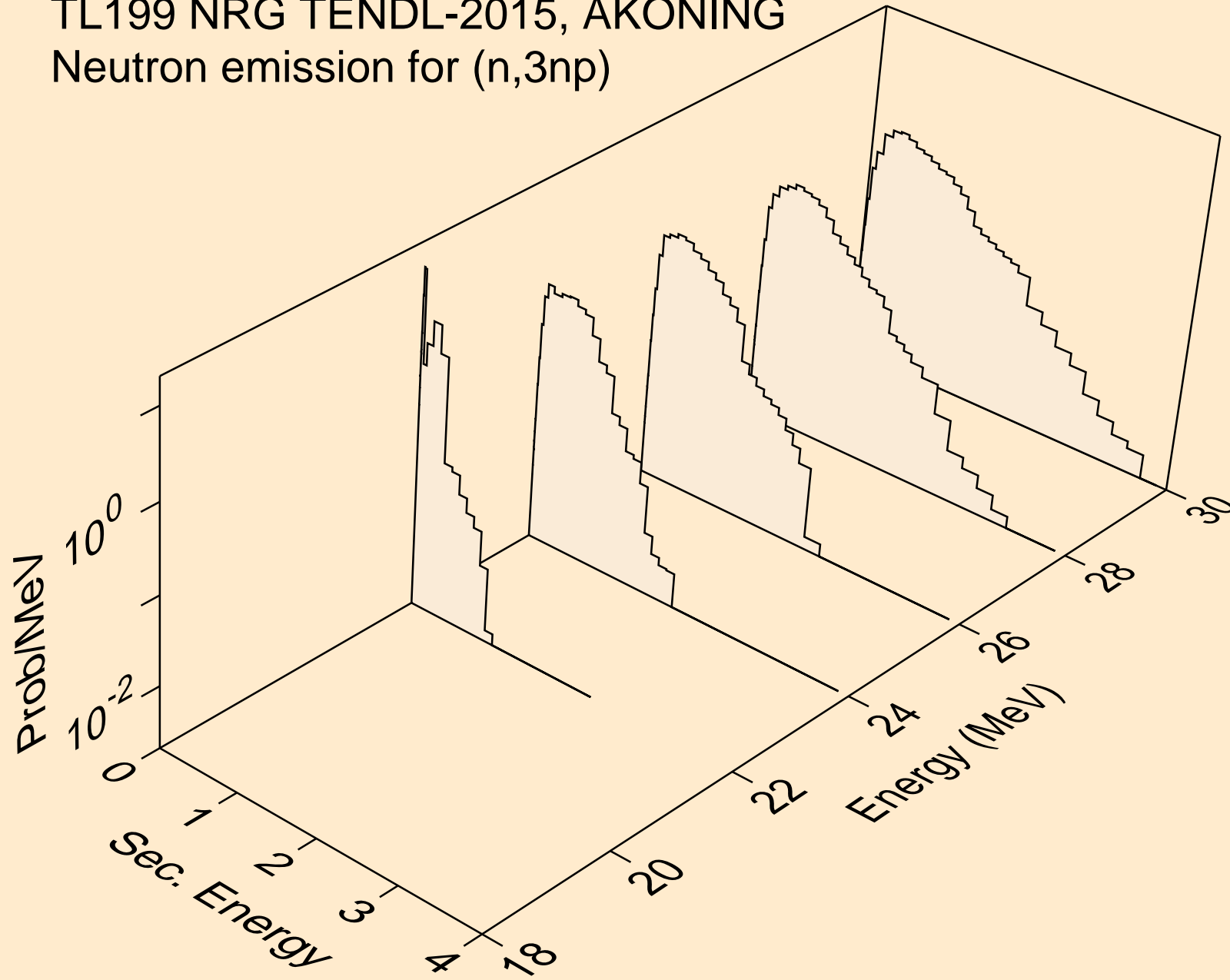
TL199 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



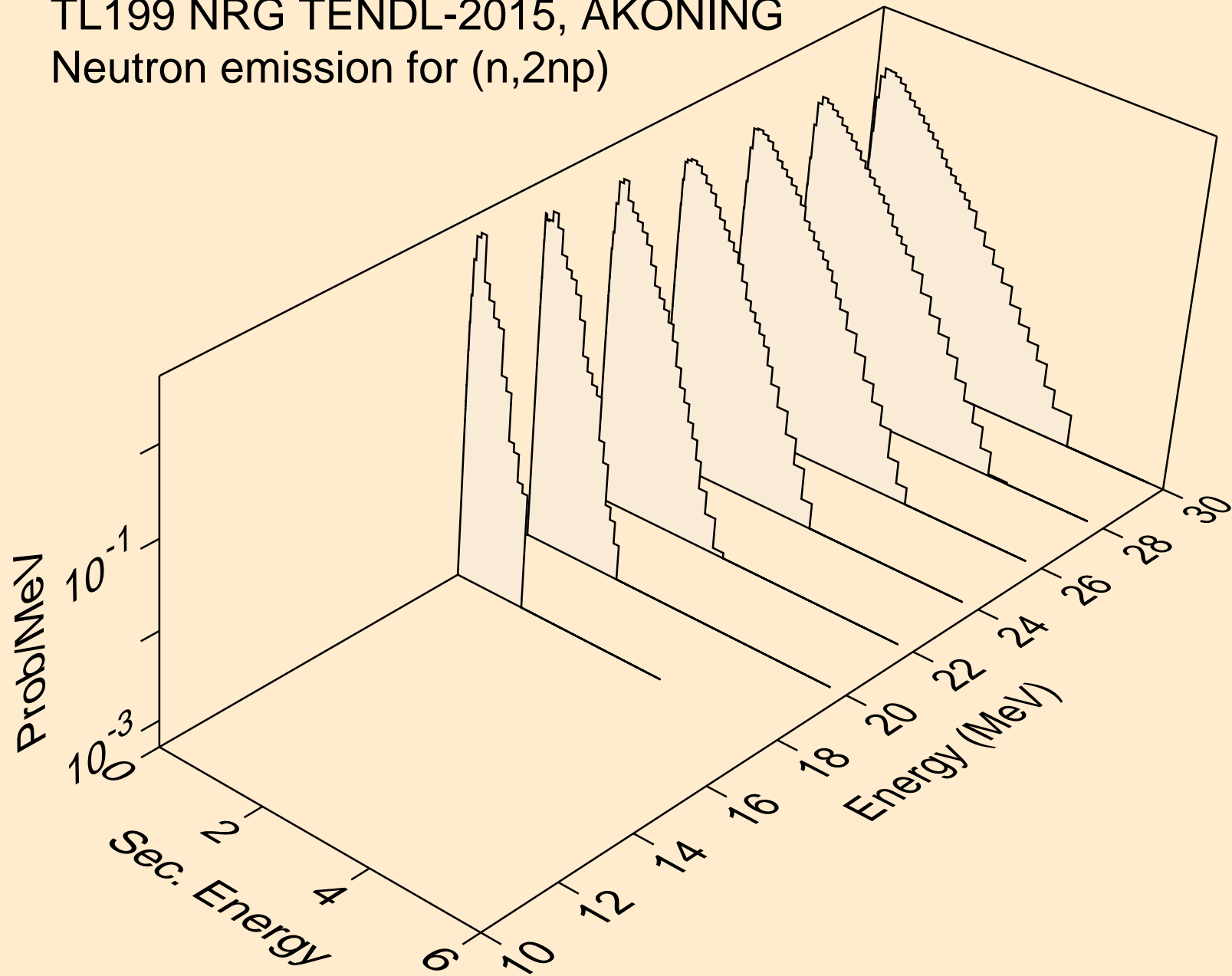
TL199 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



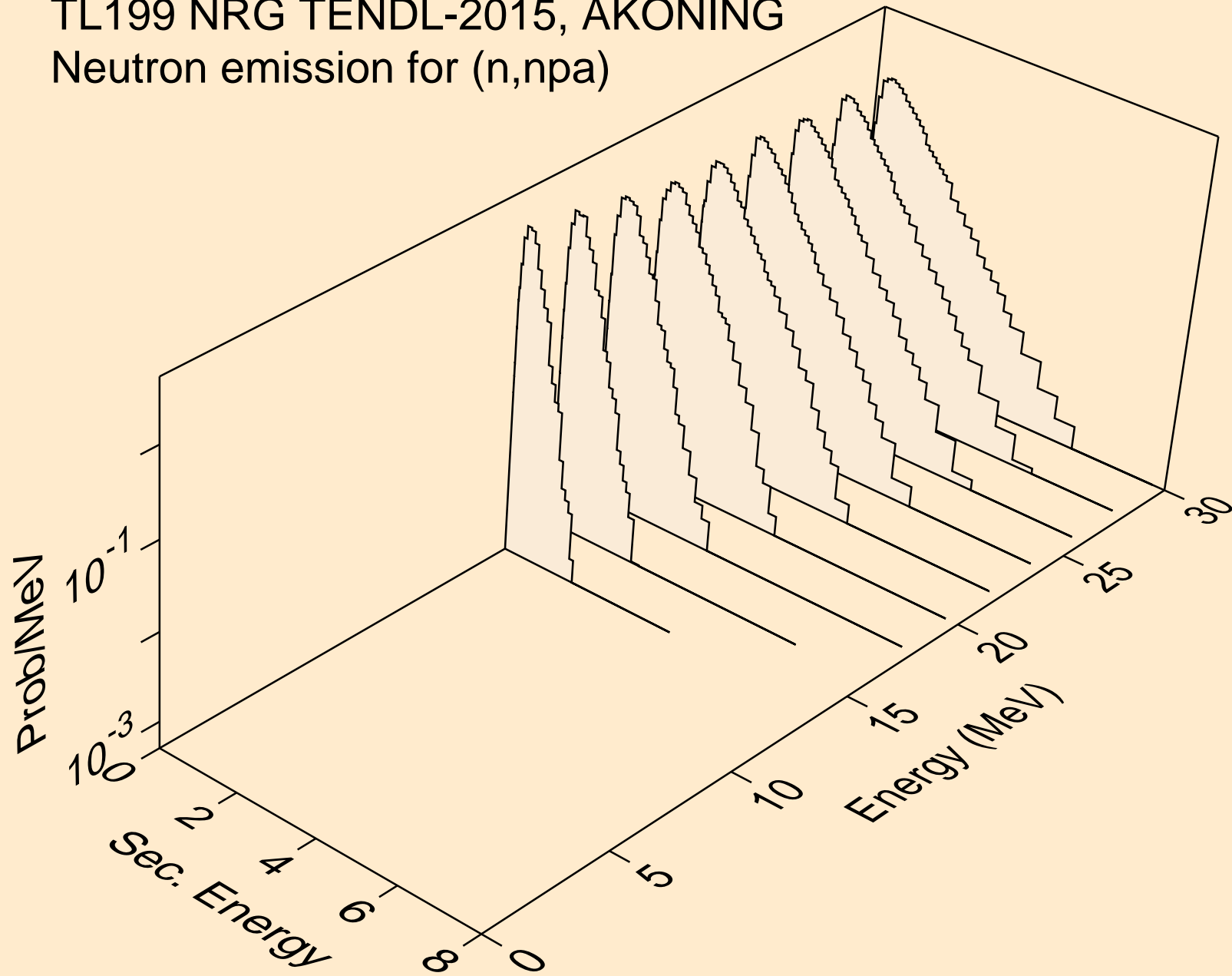
TL199 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



TL199 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)

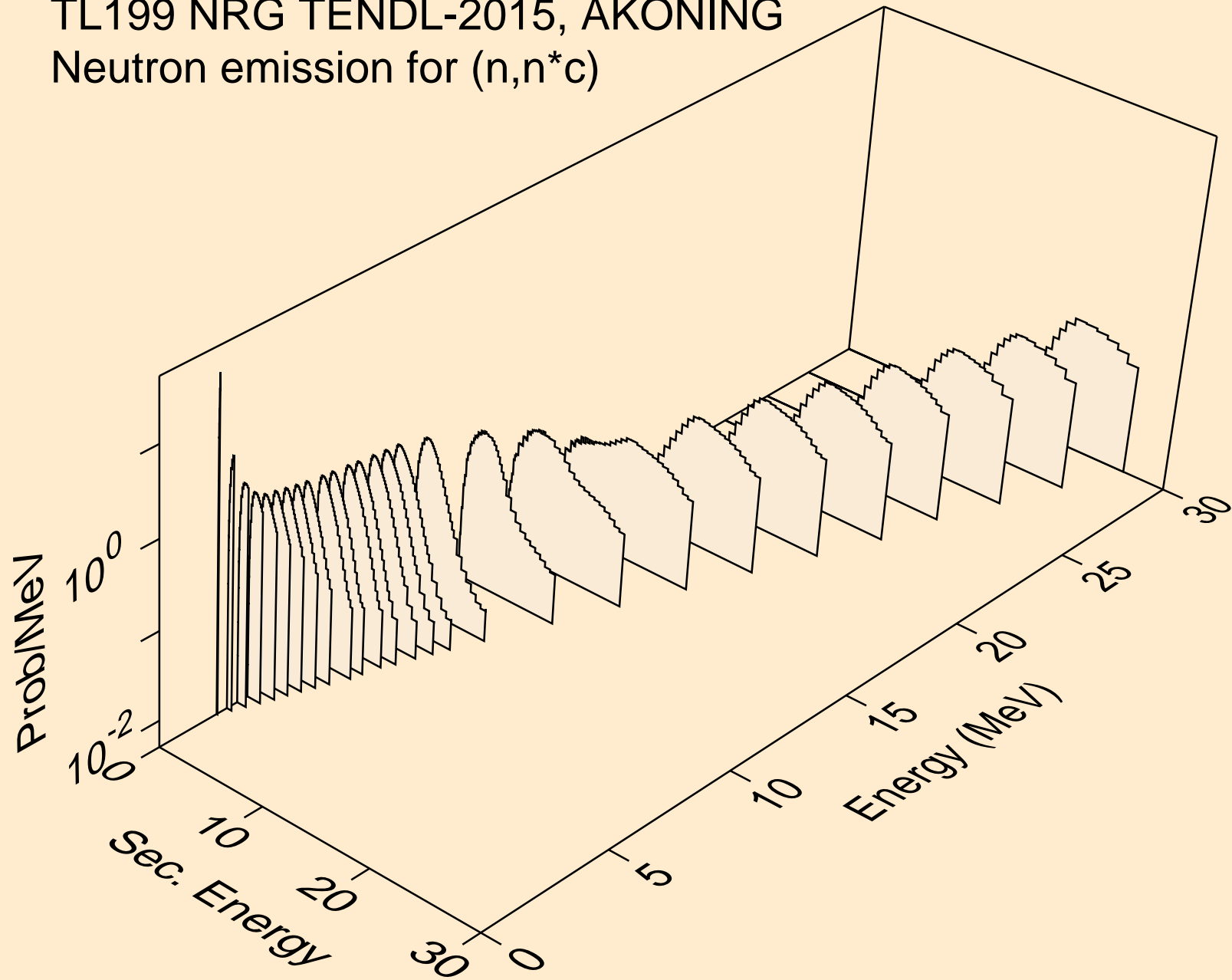


TL199 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)

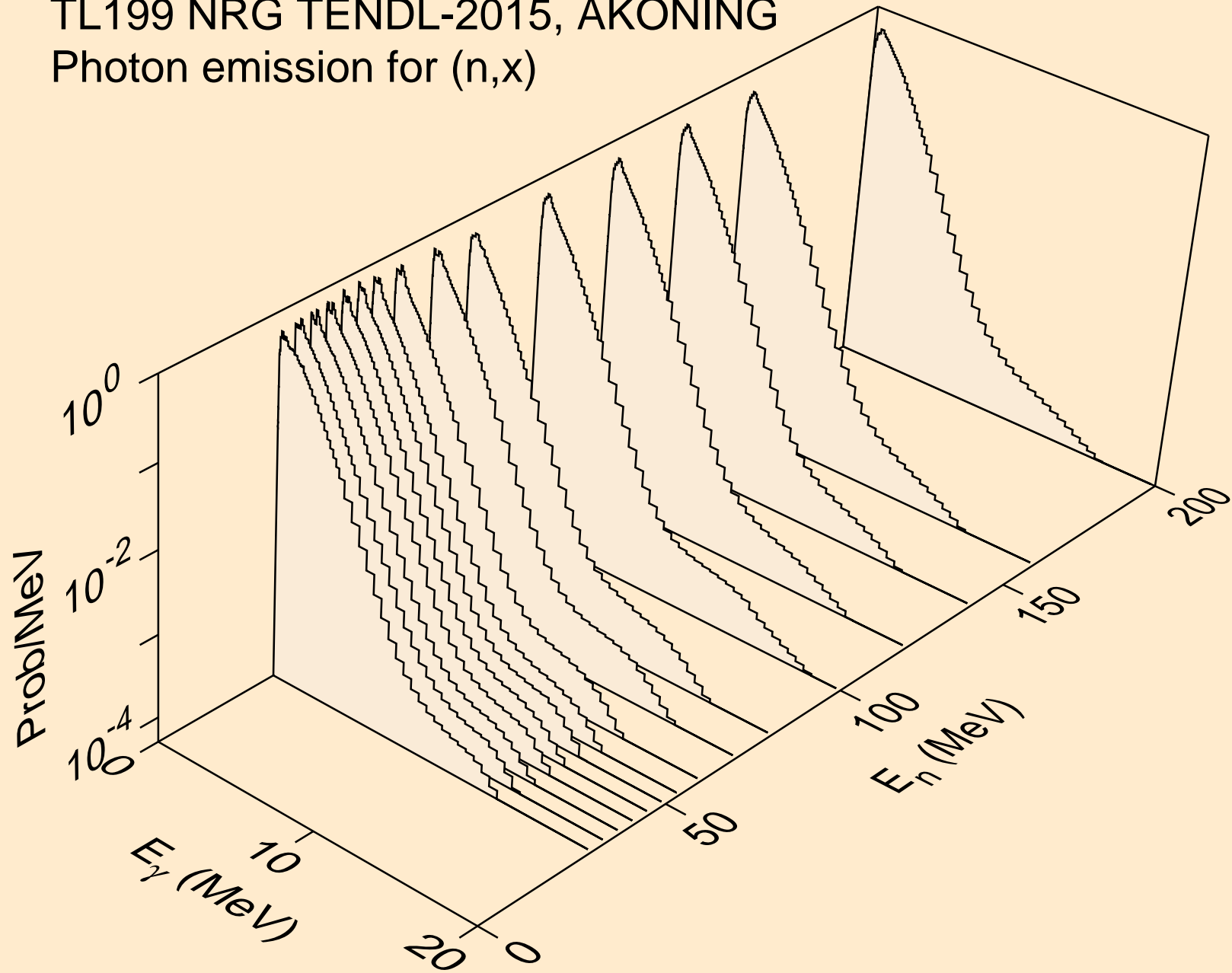




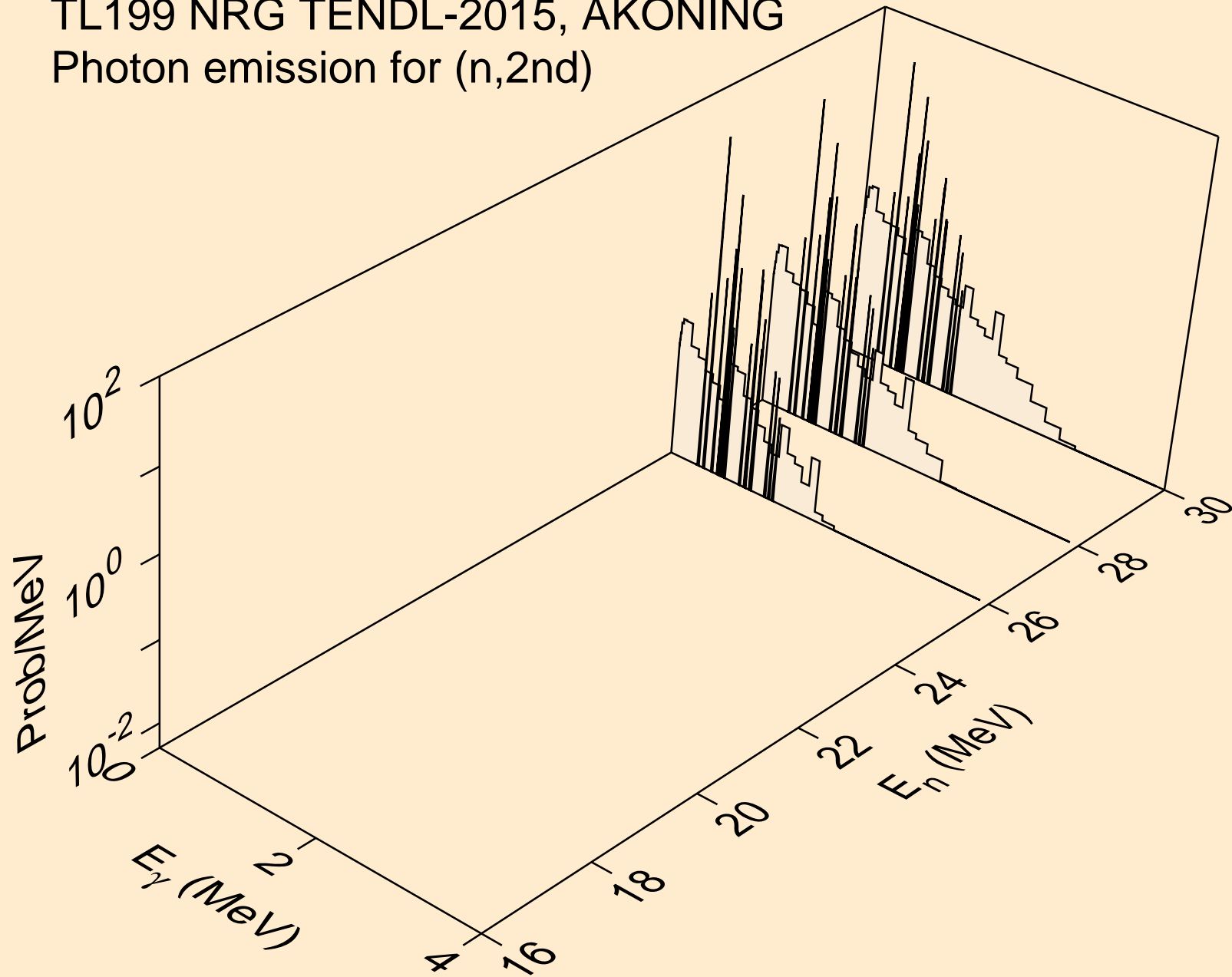
TL199 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



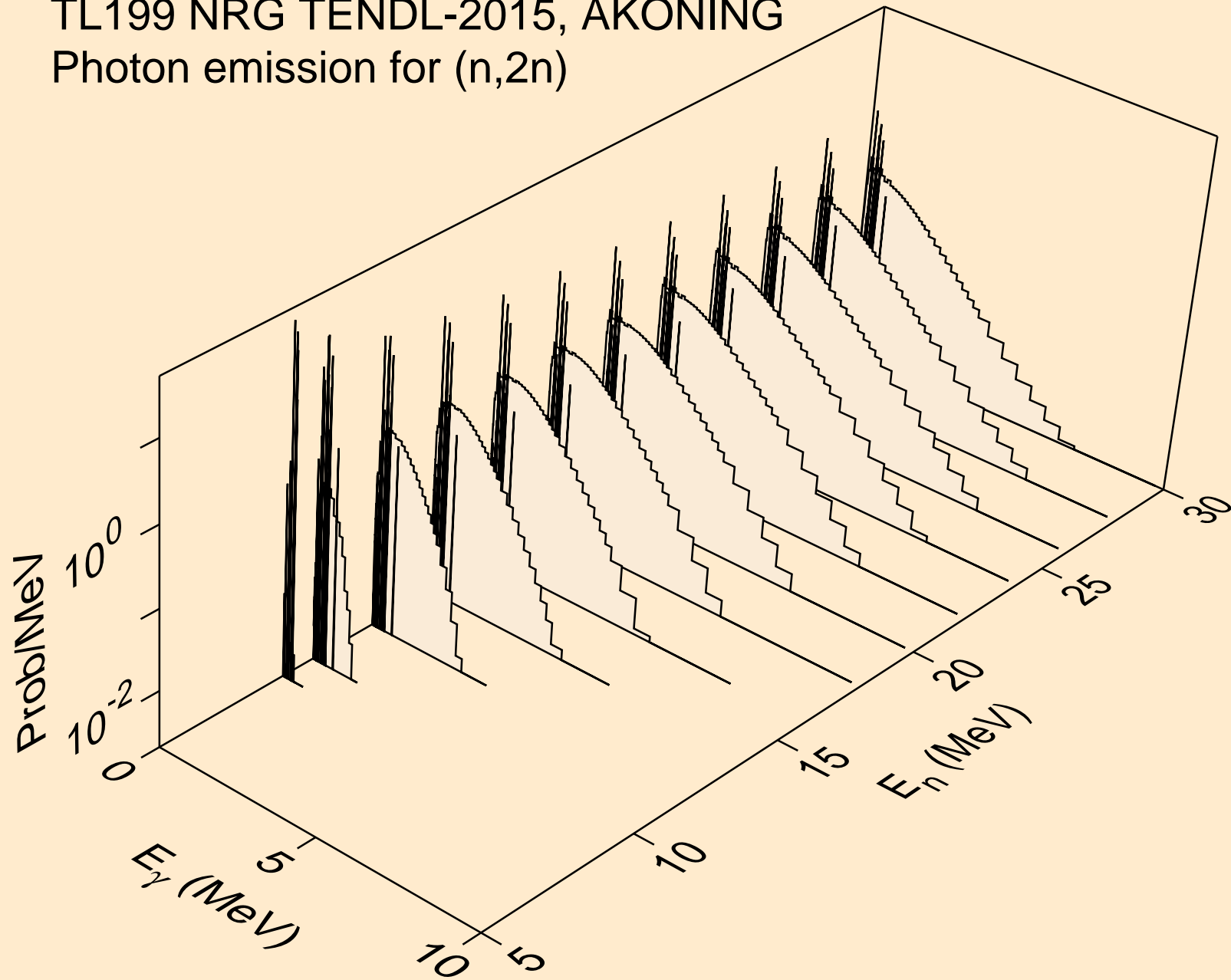
TL199 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



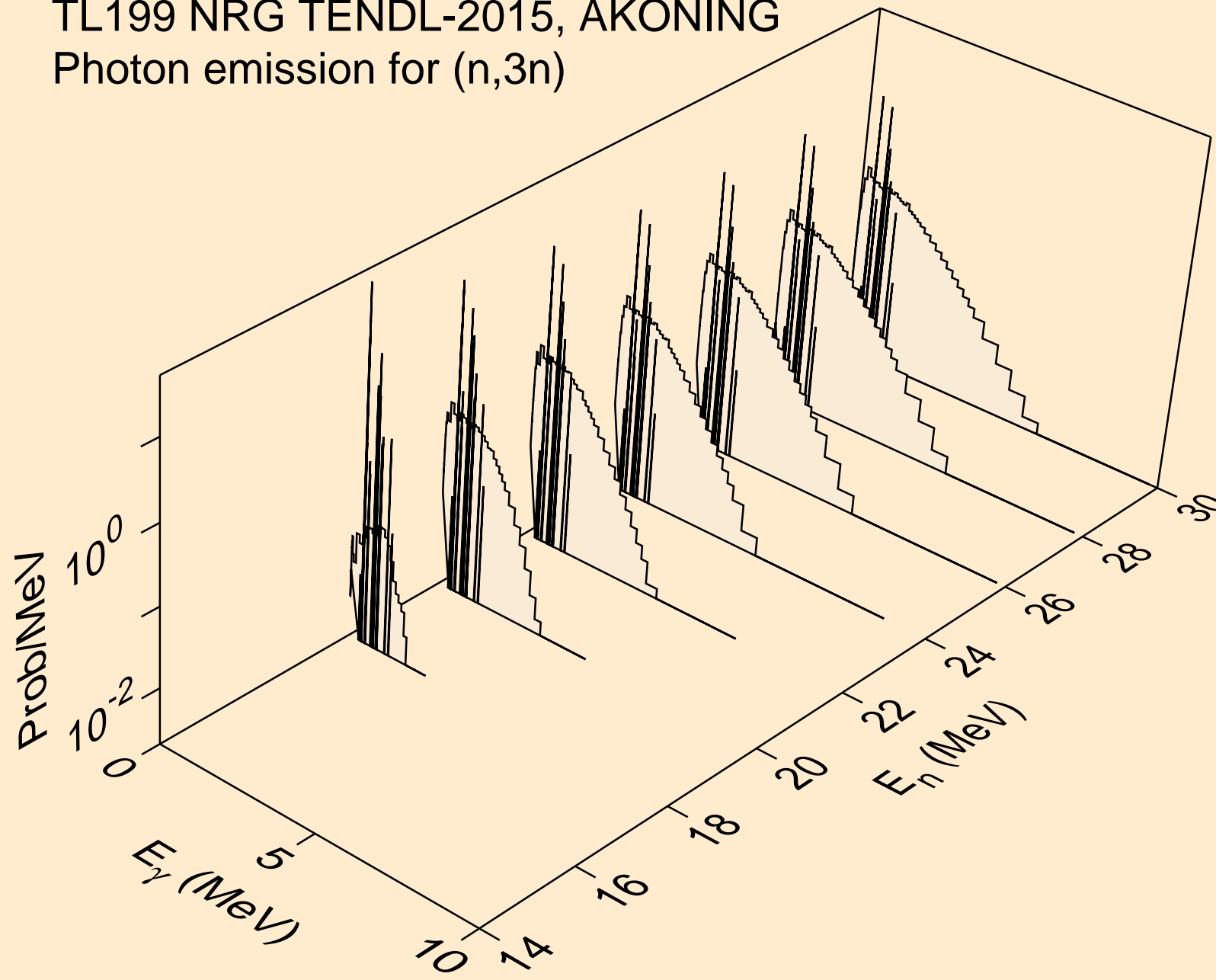
TL199 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



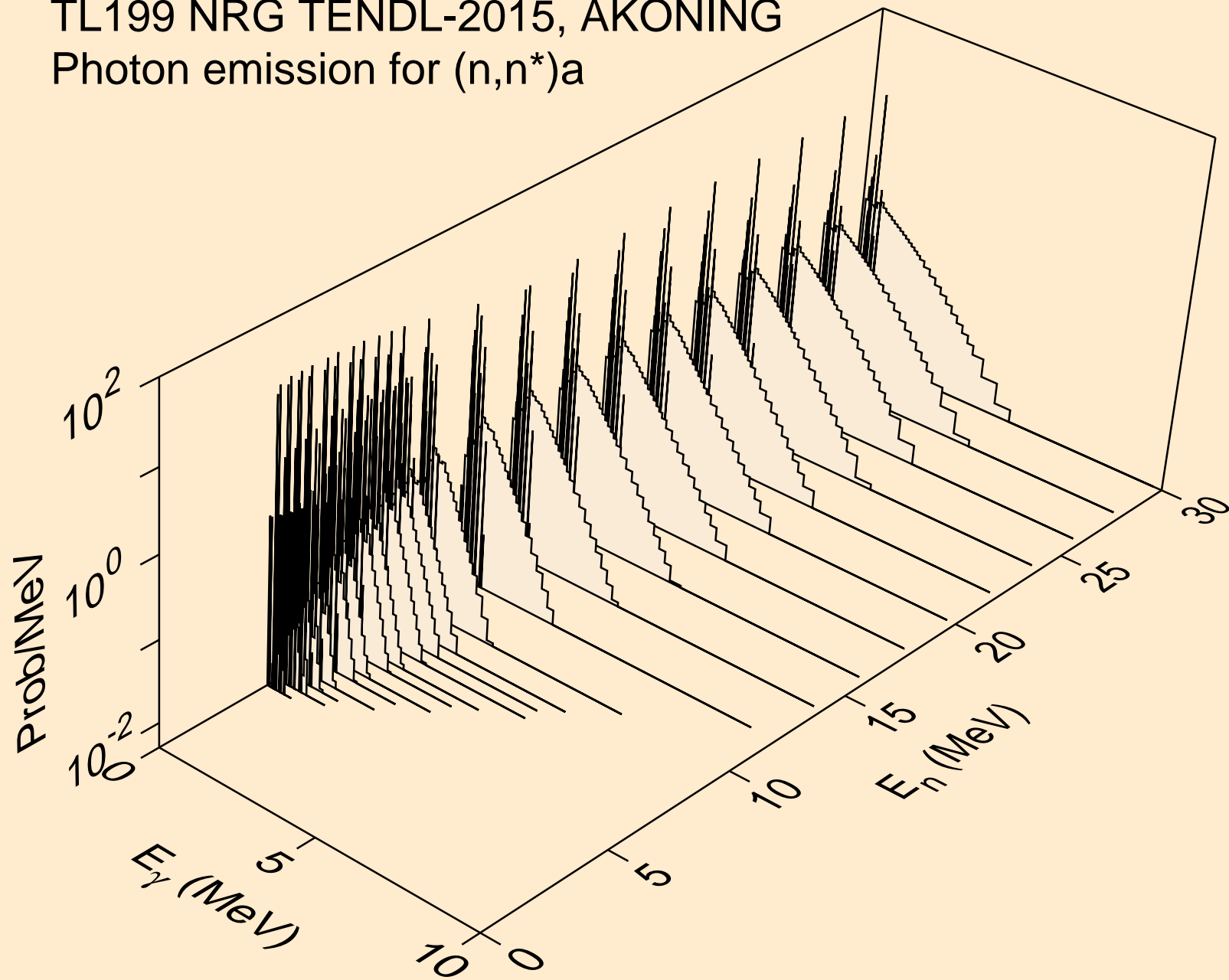
TL199 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



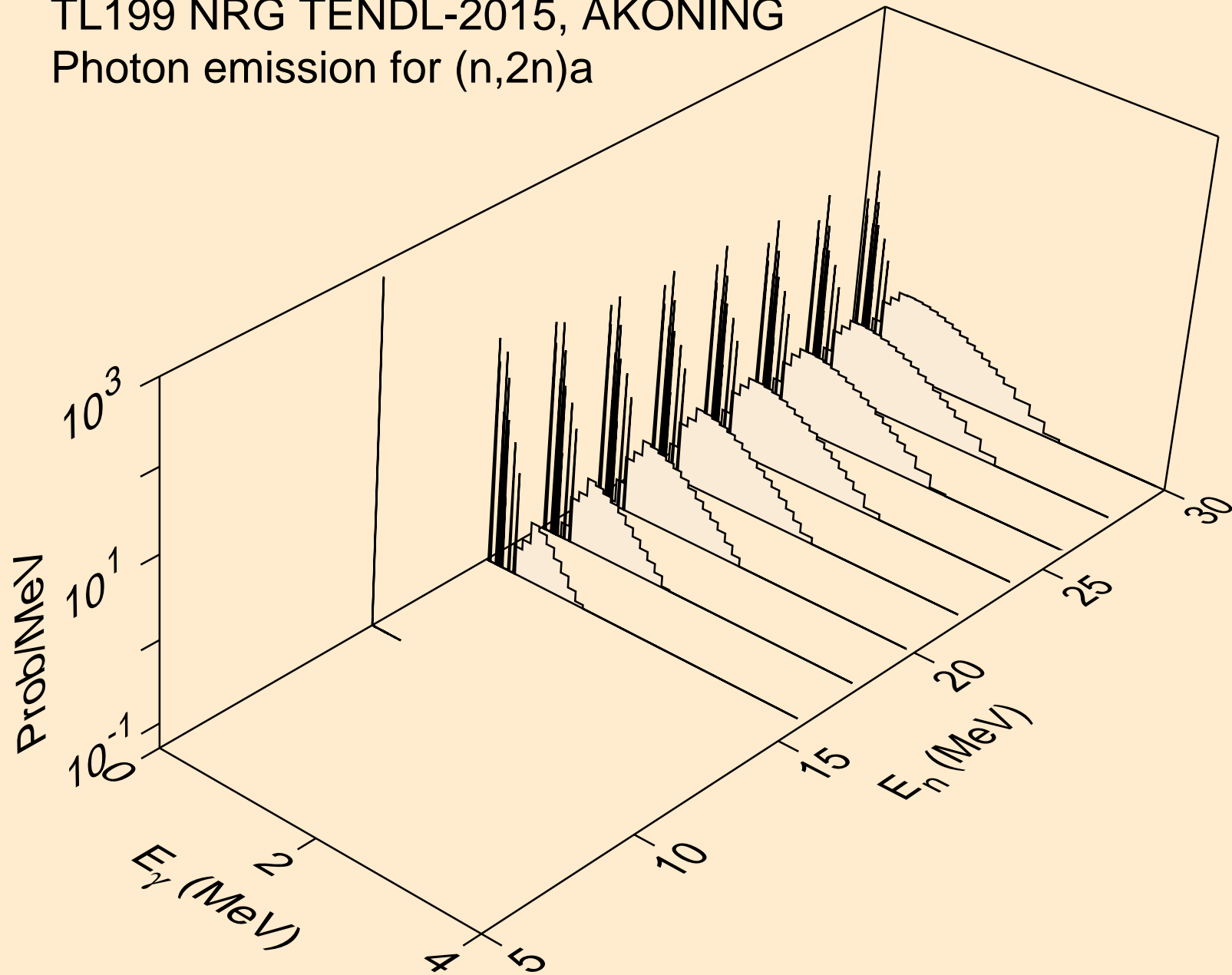
TL199 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



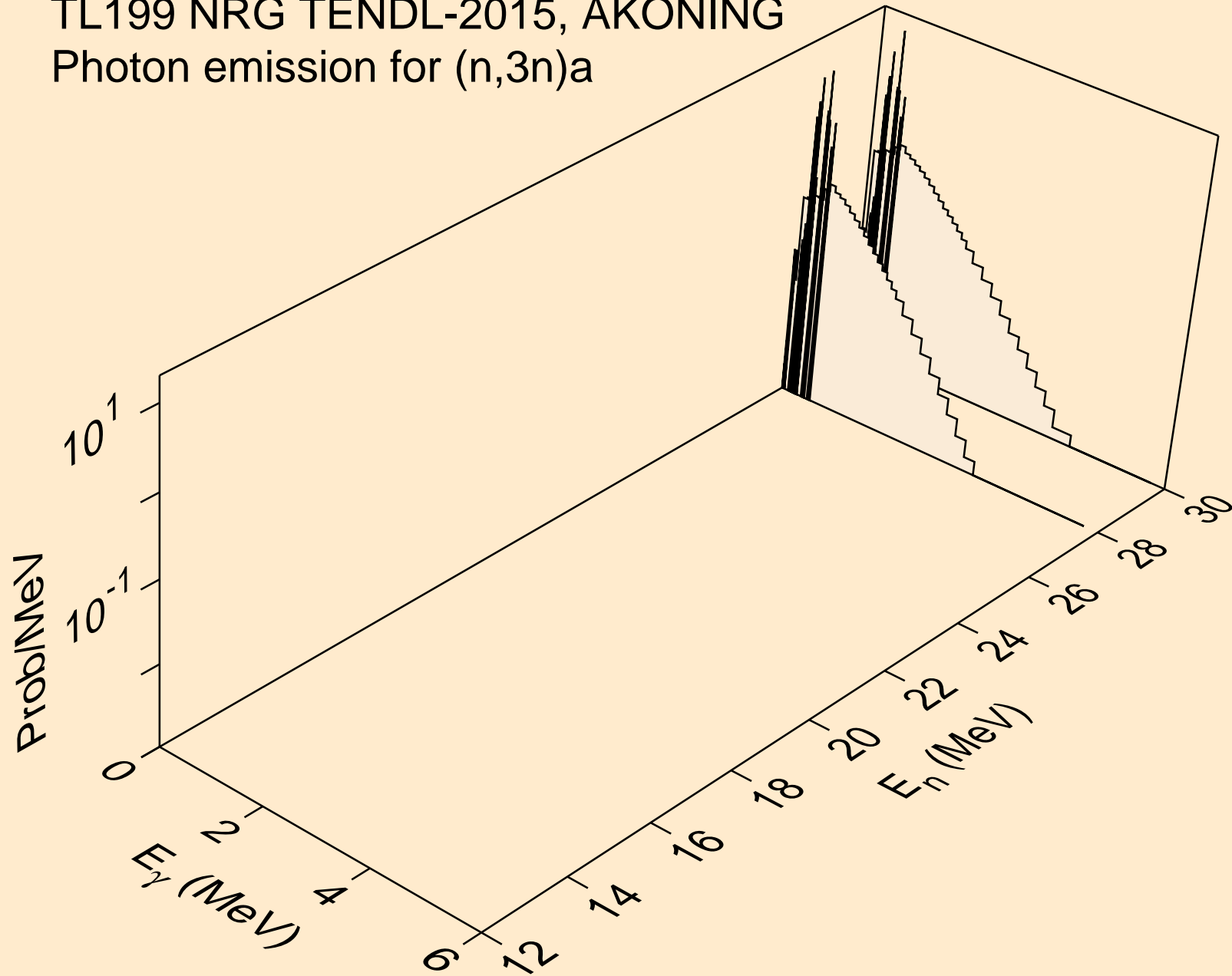
TL199 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



TL199 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a

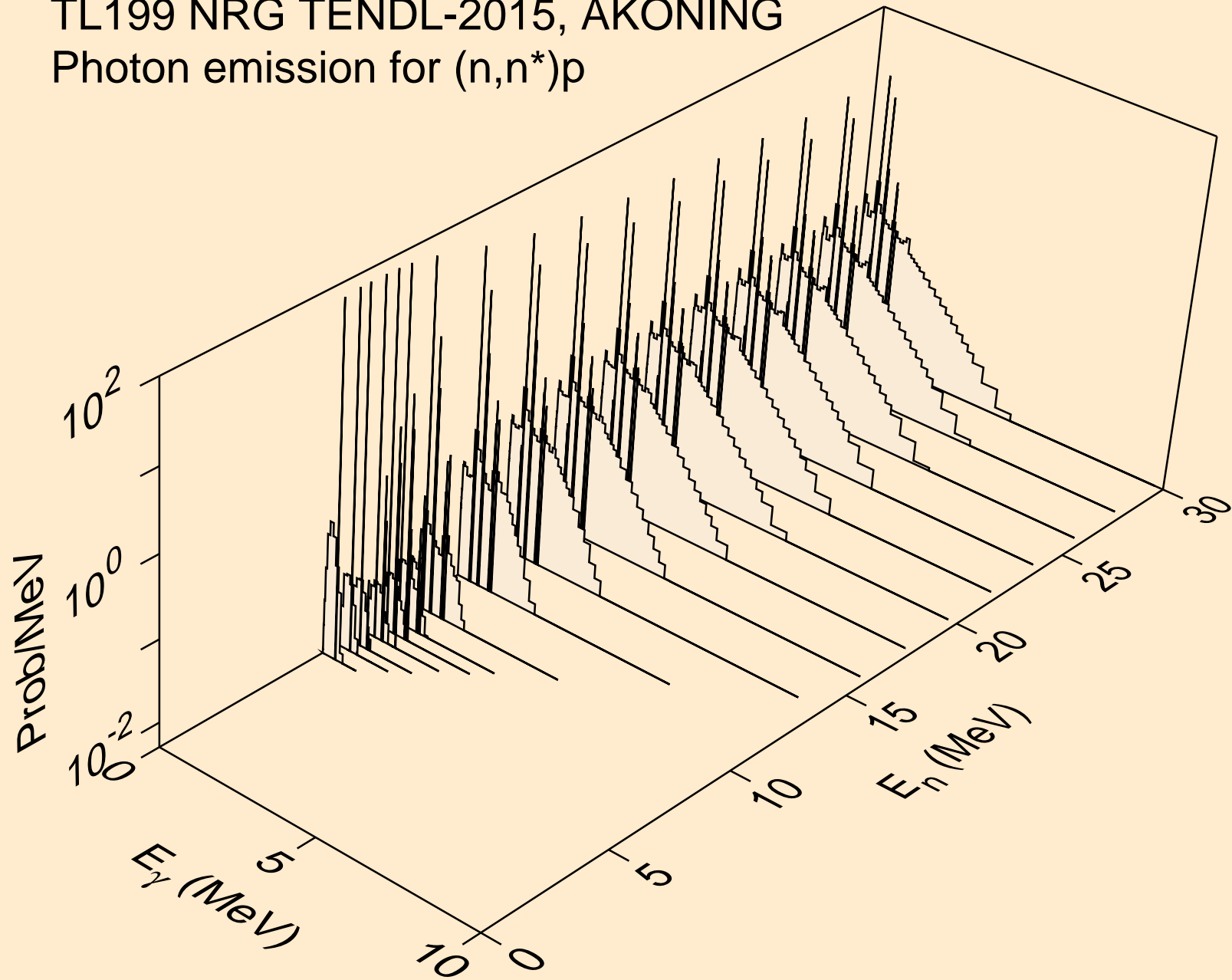


TL199 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a

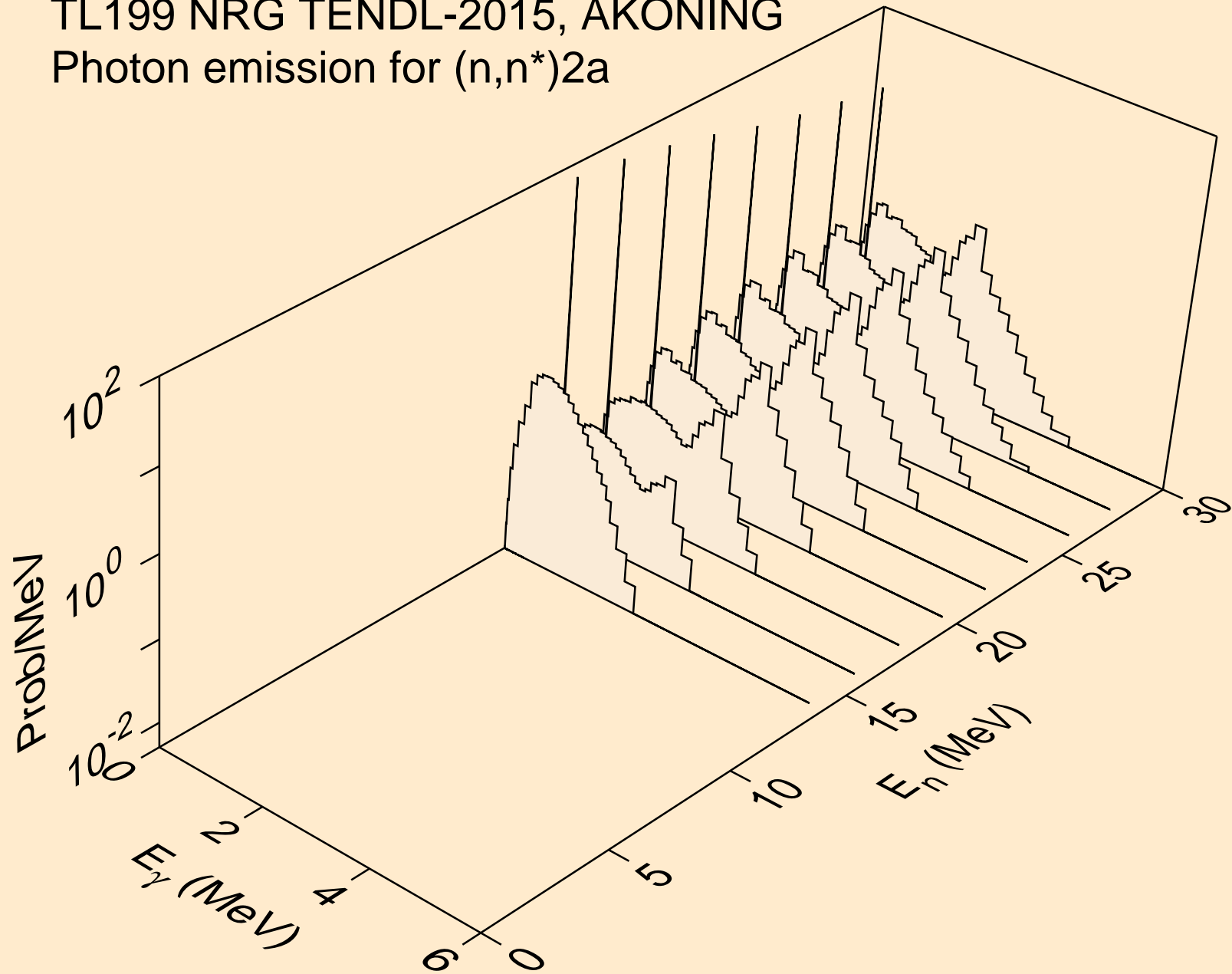




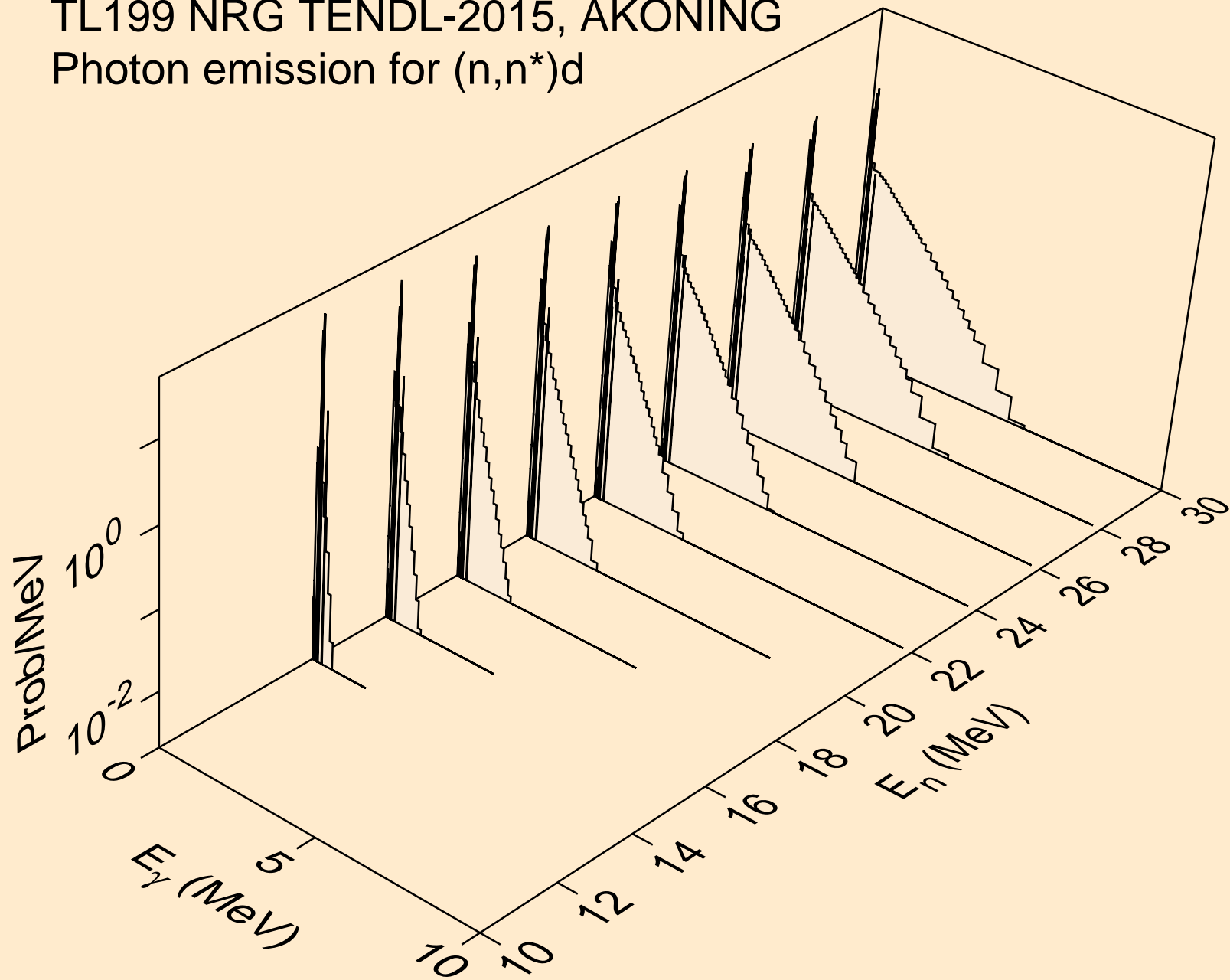
TL199 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



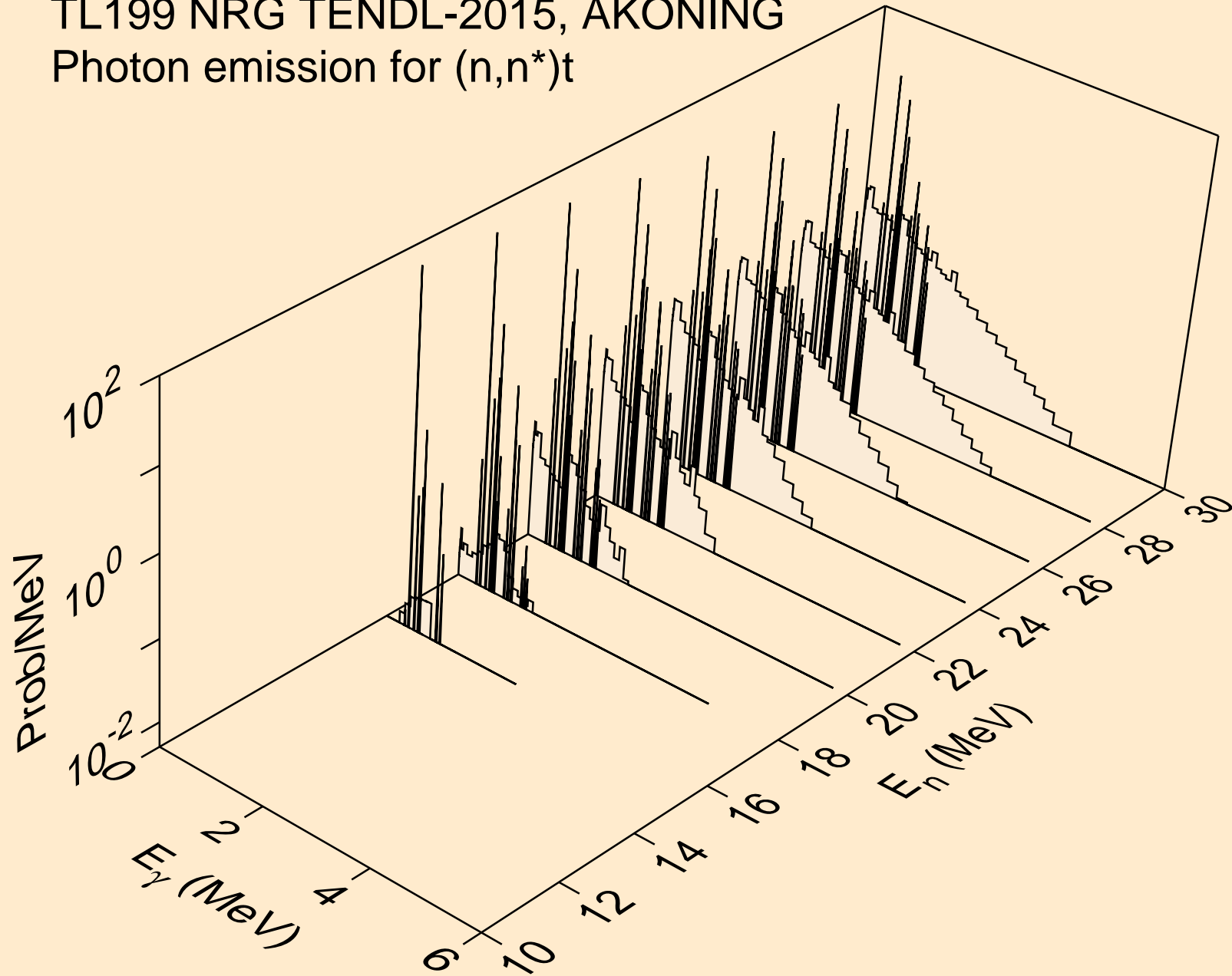
TL199 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



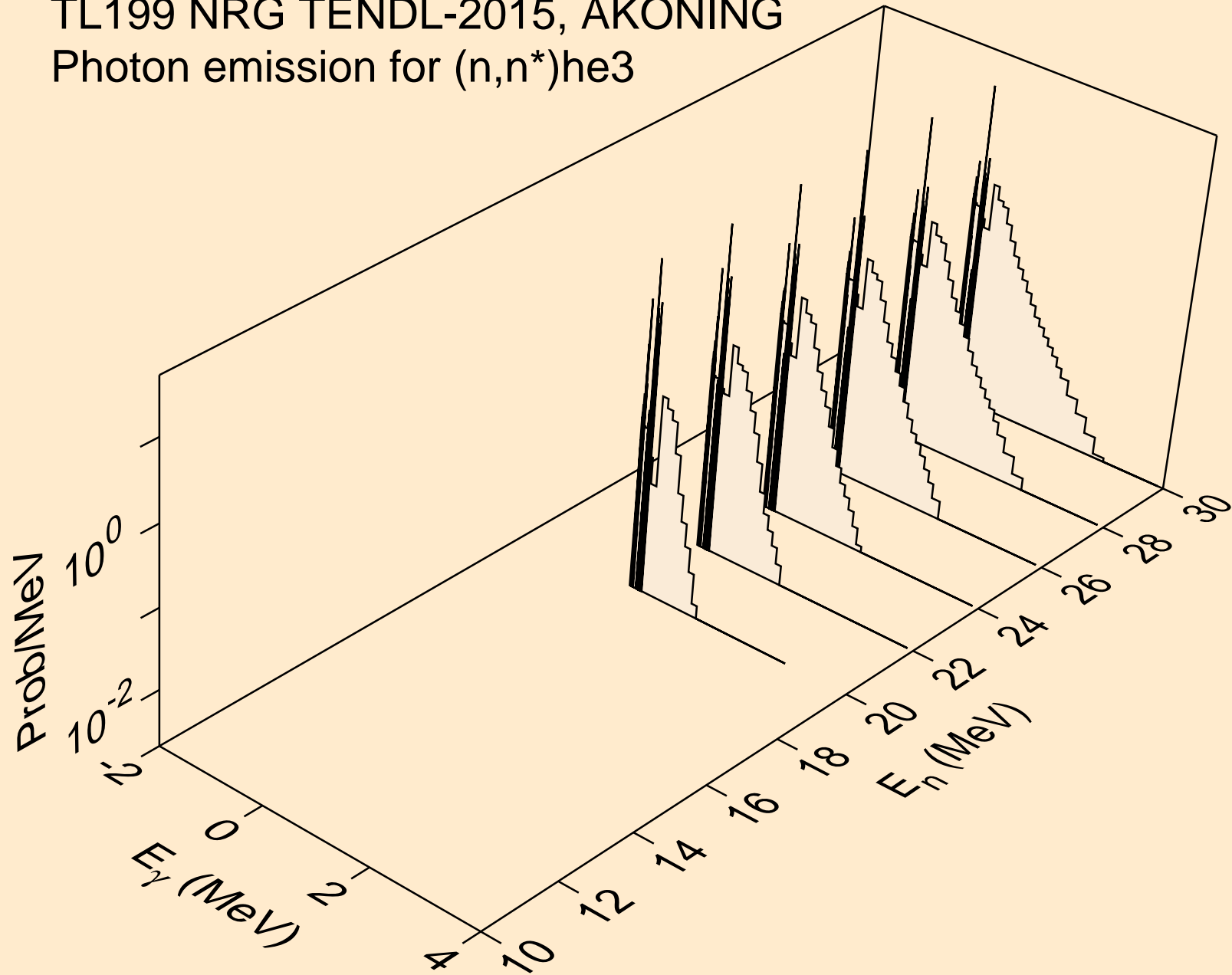
TL199 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d



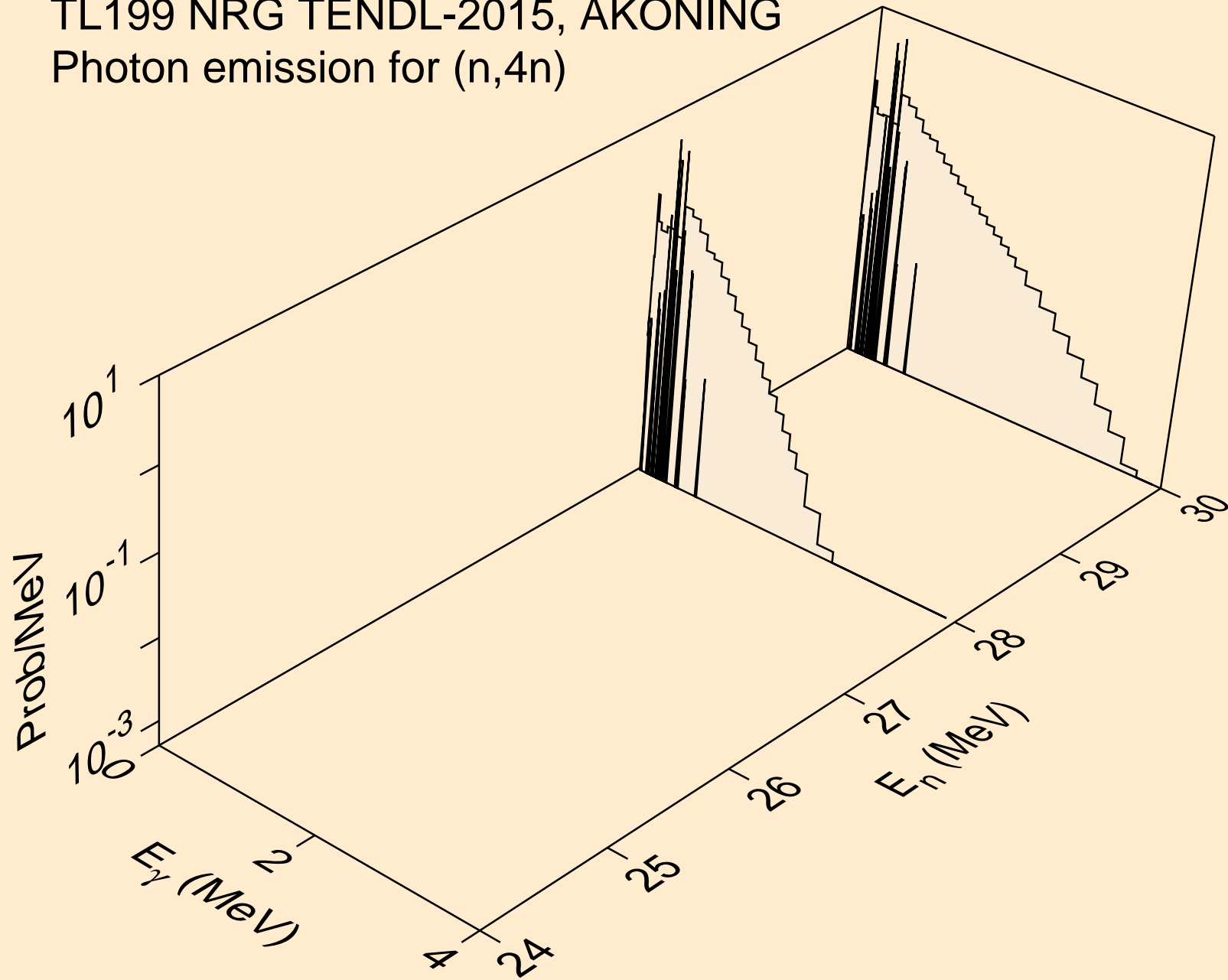
TL199 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



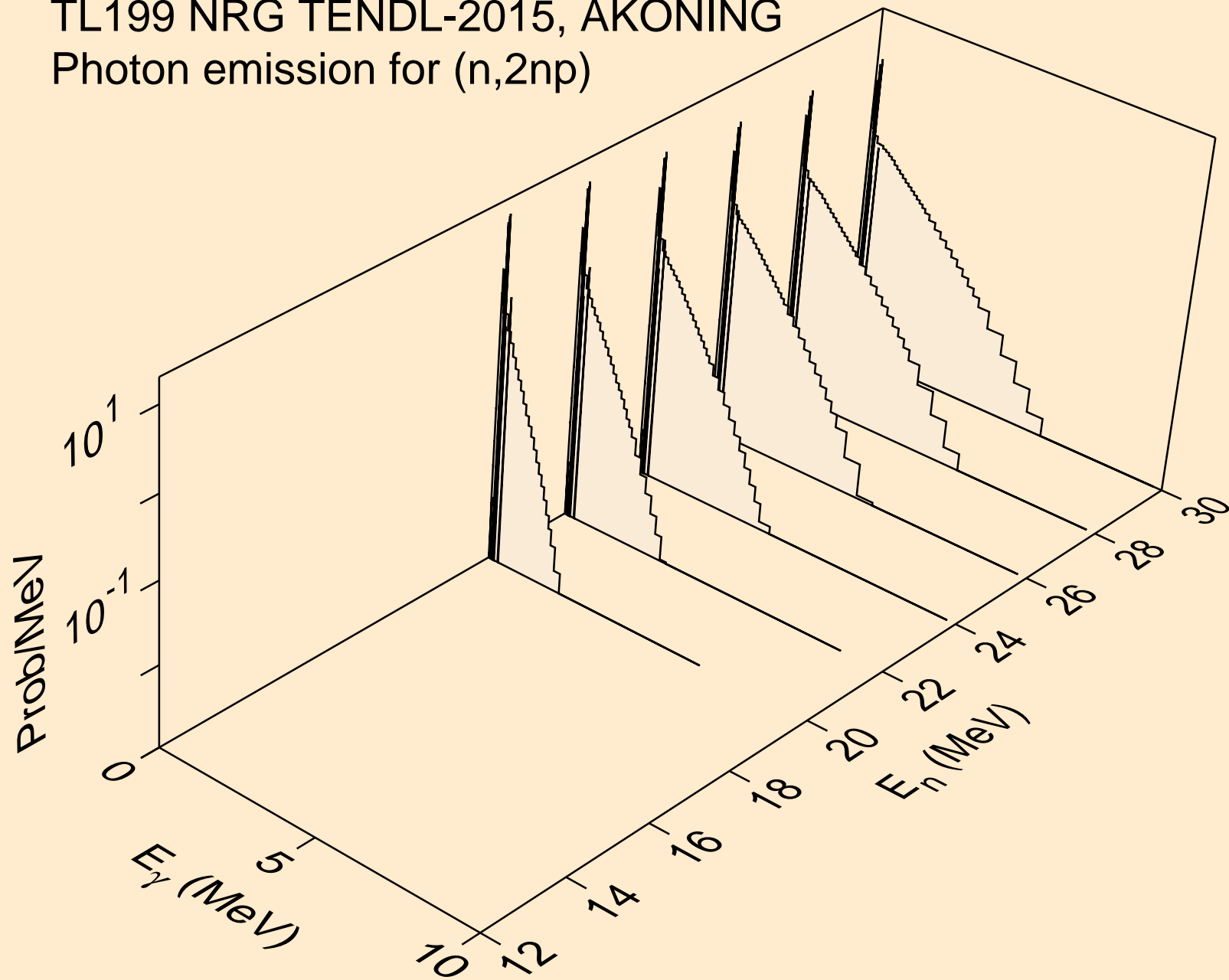
TL199 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



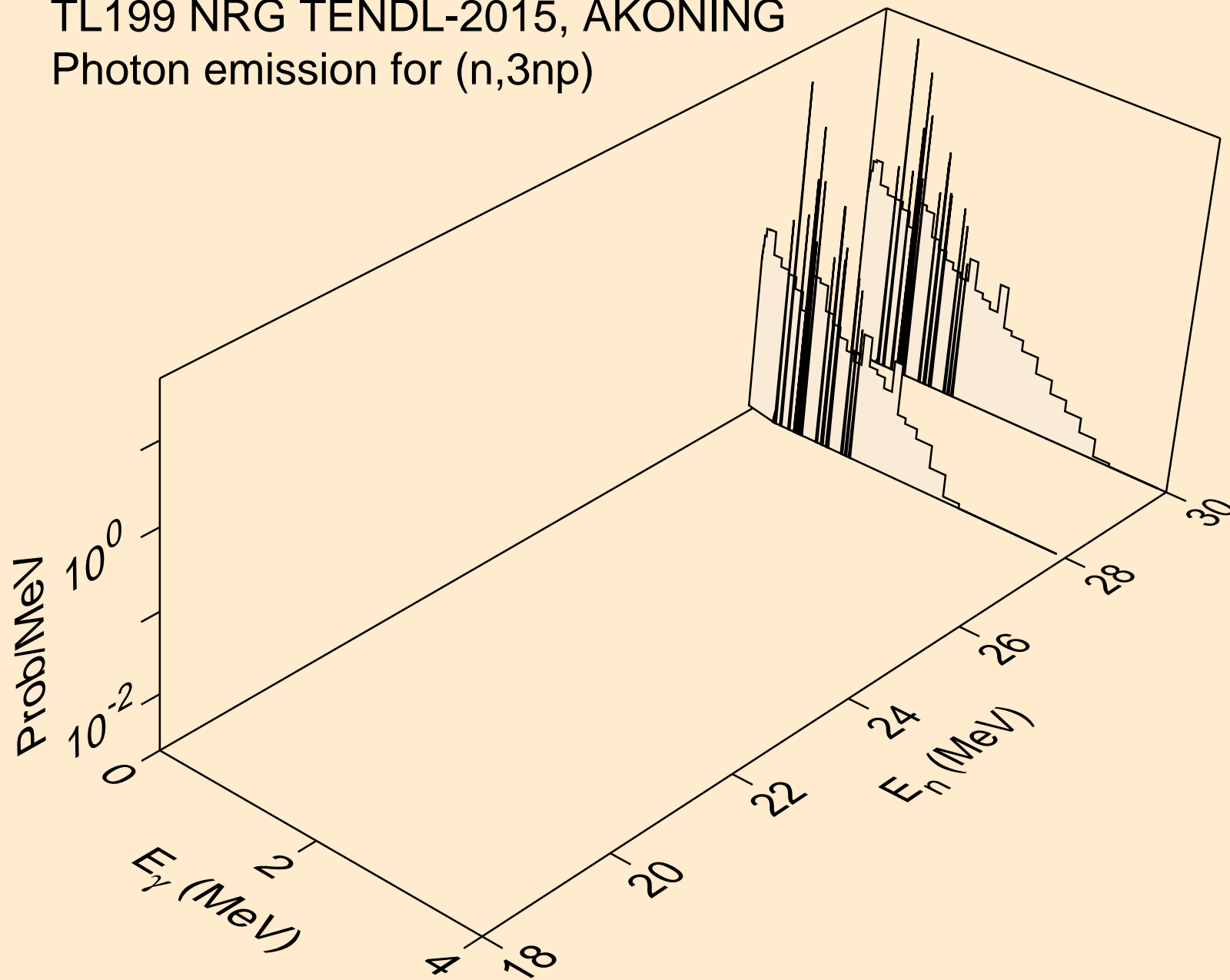
TL199 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



TL199 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)

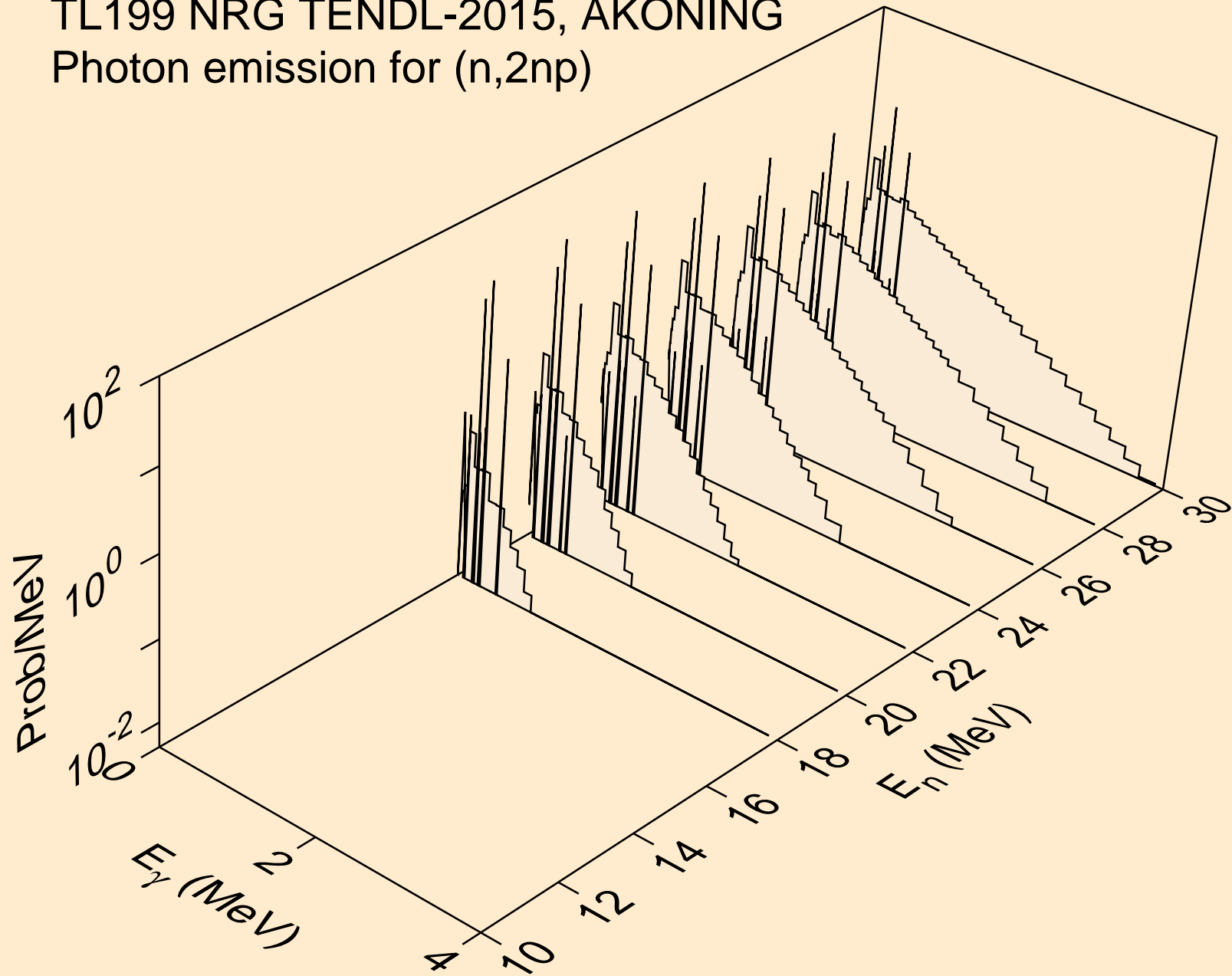


TL199 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)

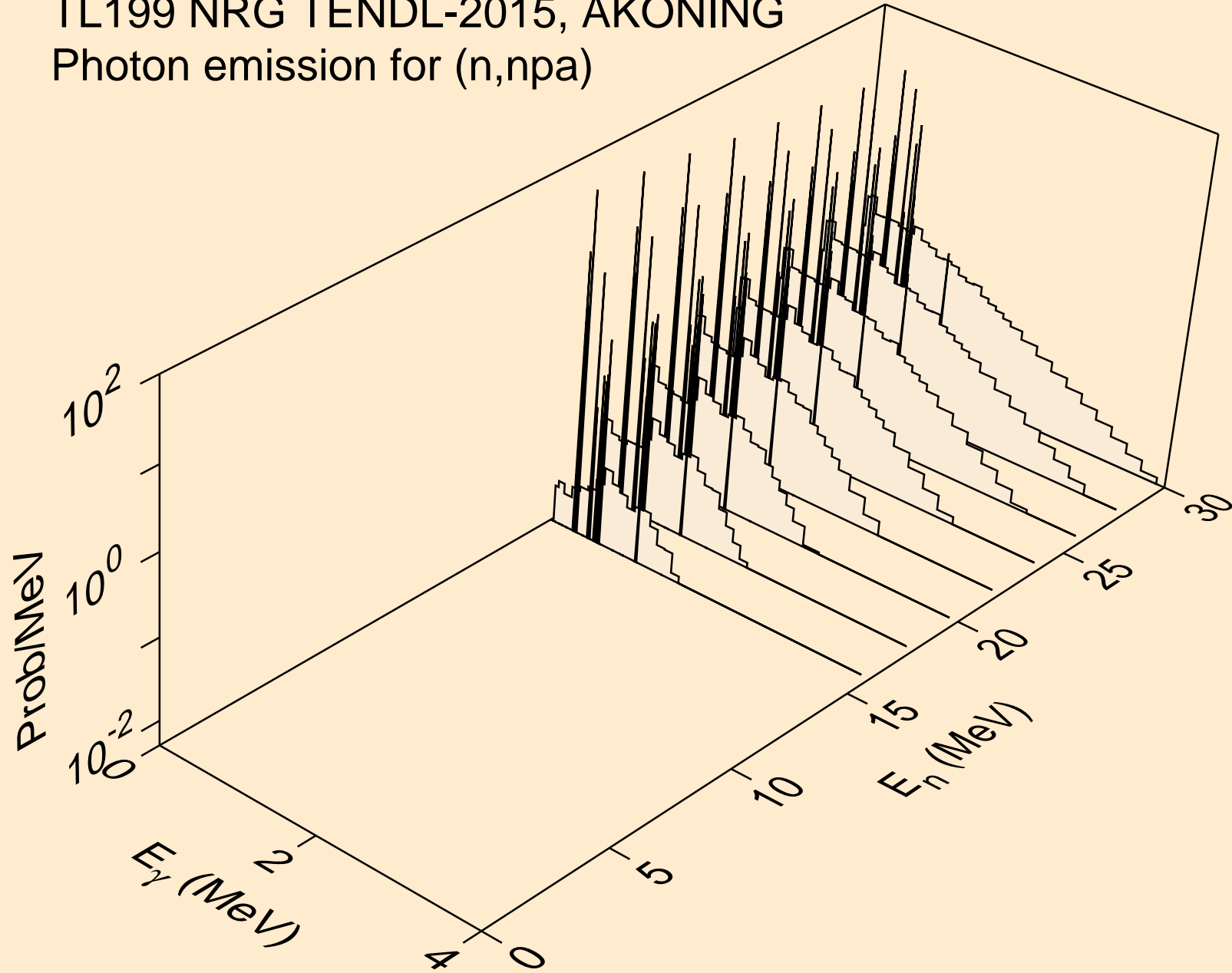




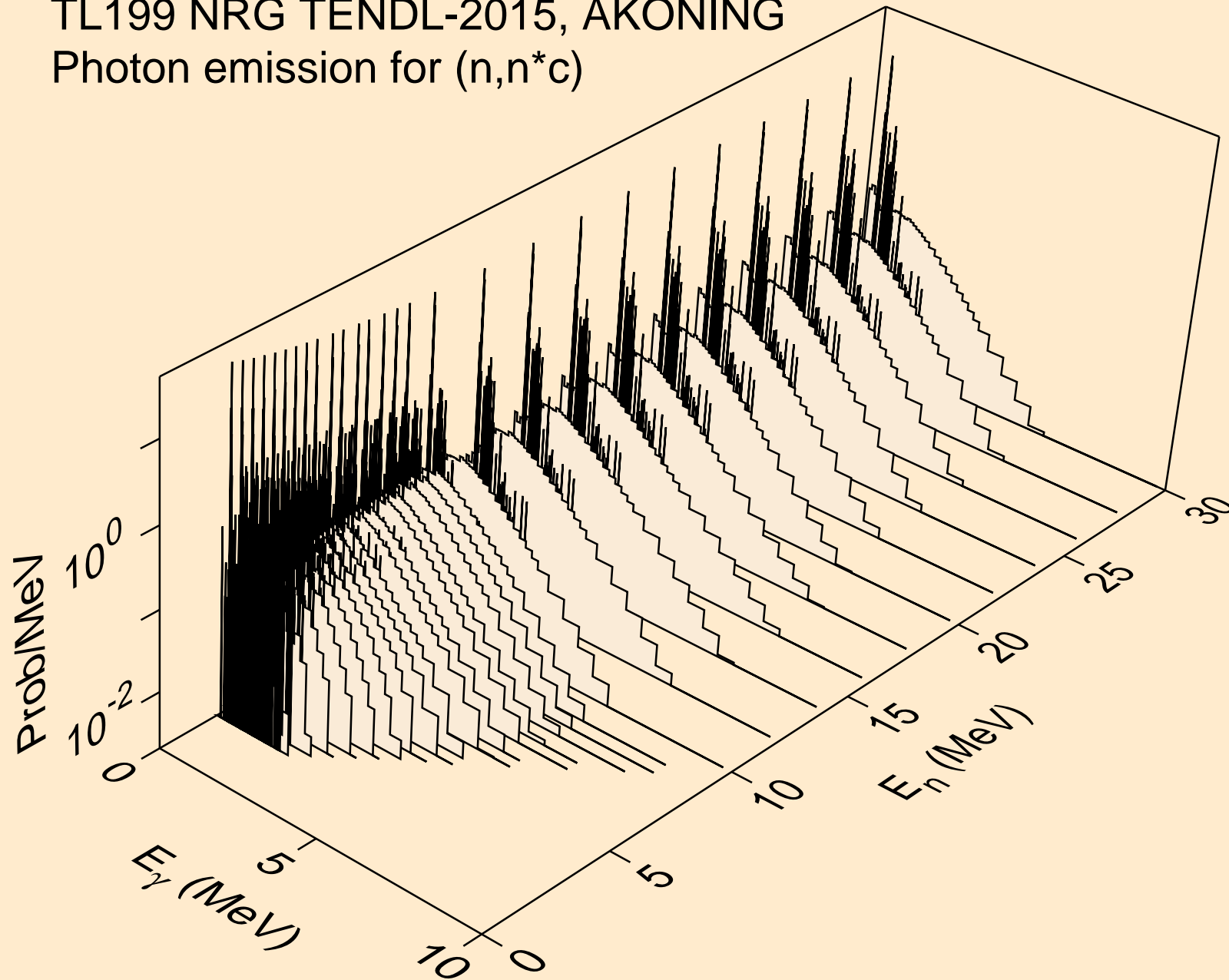
TL199 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



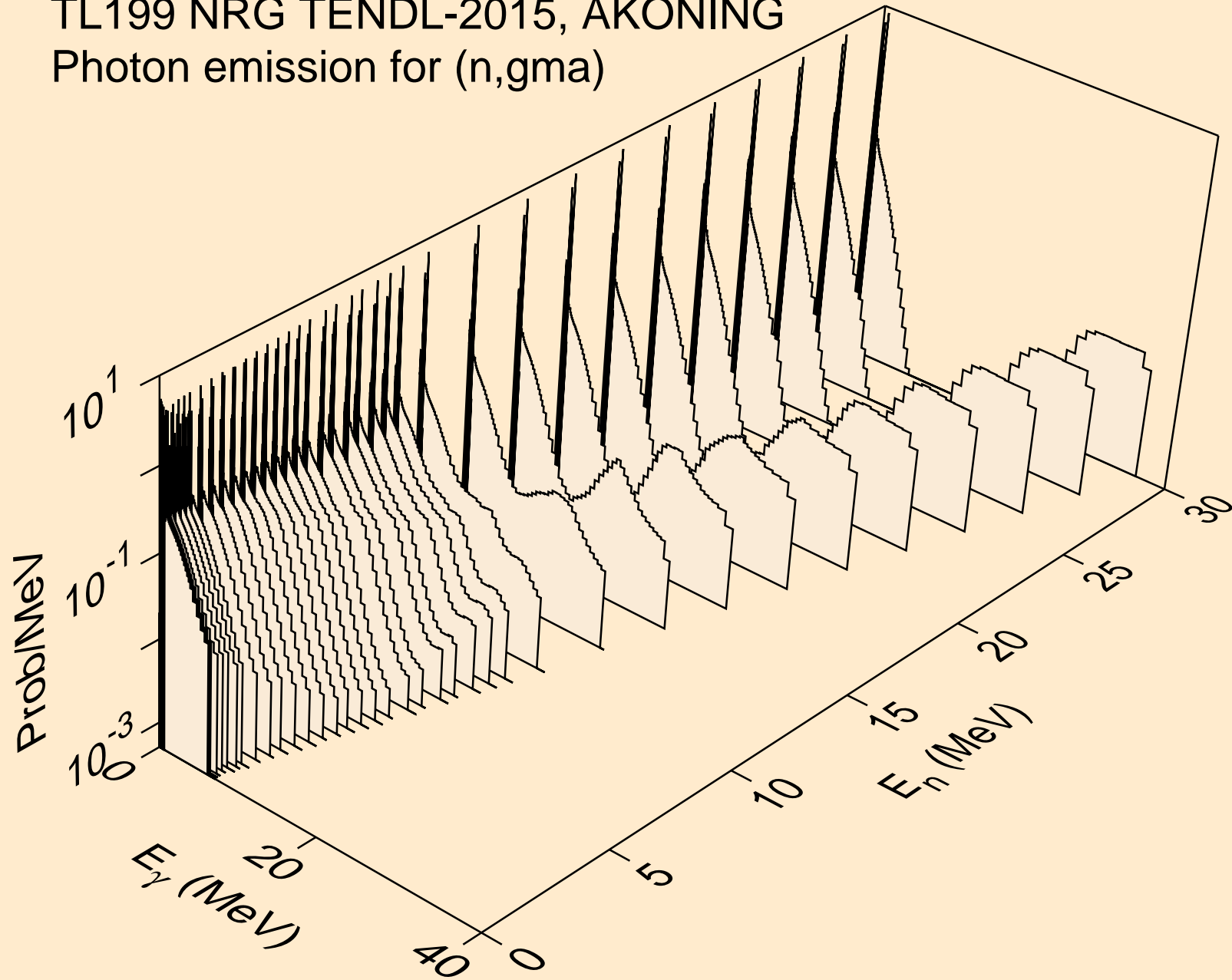
TL199 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



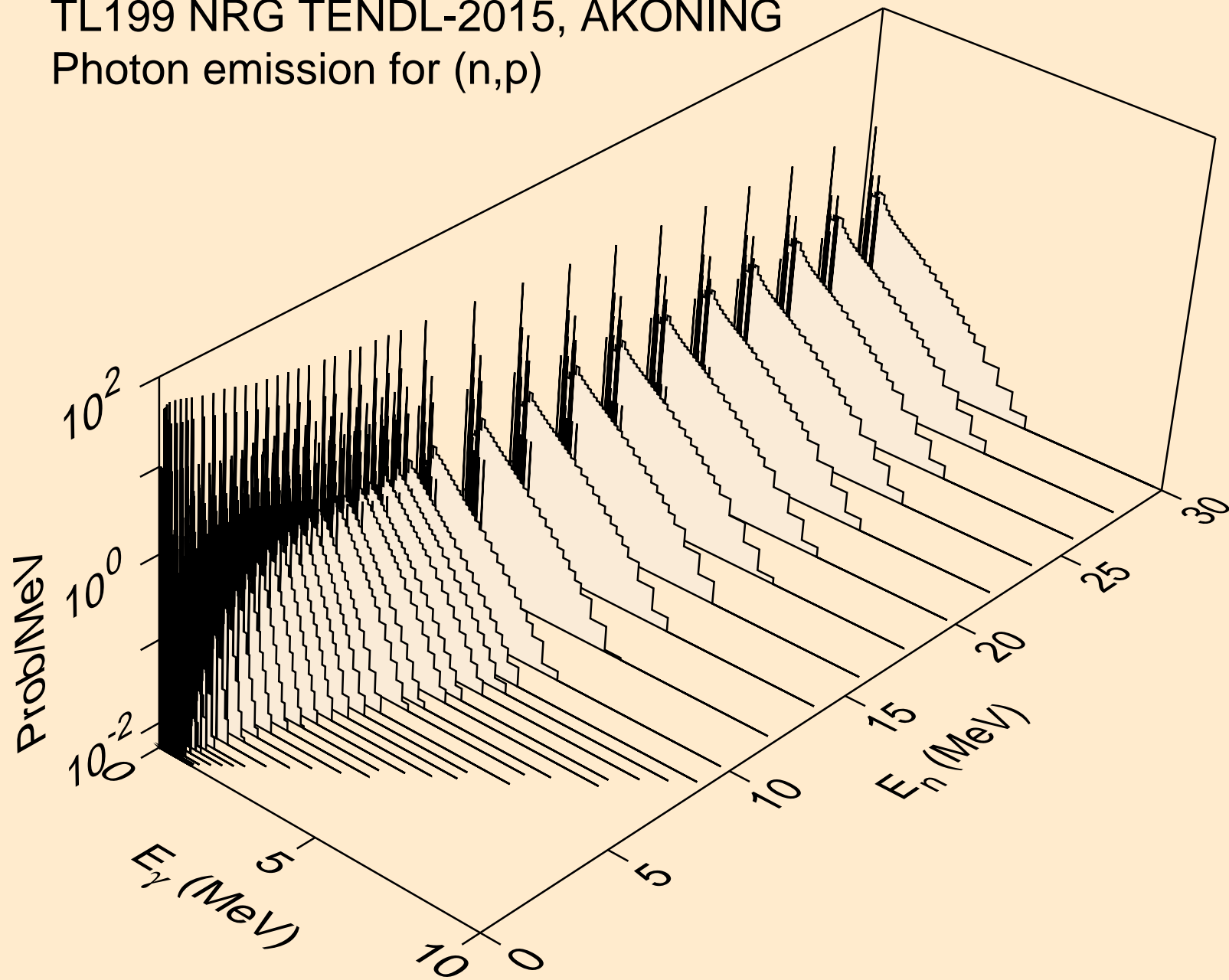
TL199 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



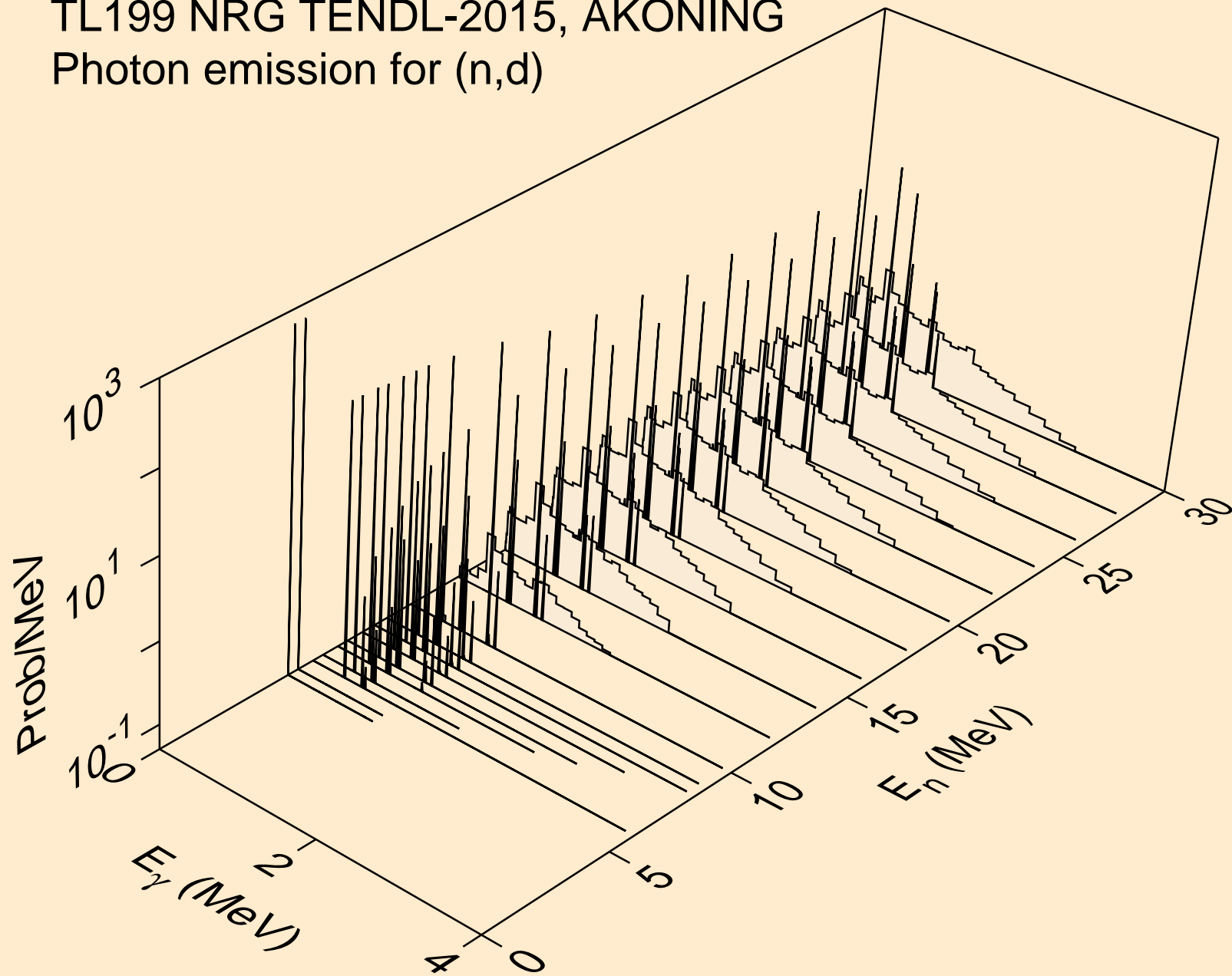
TL199 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



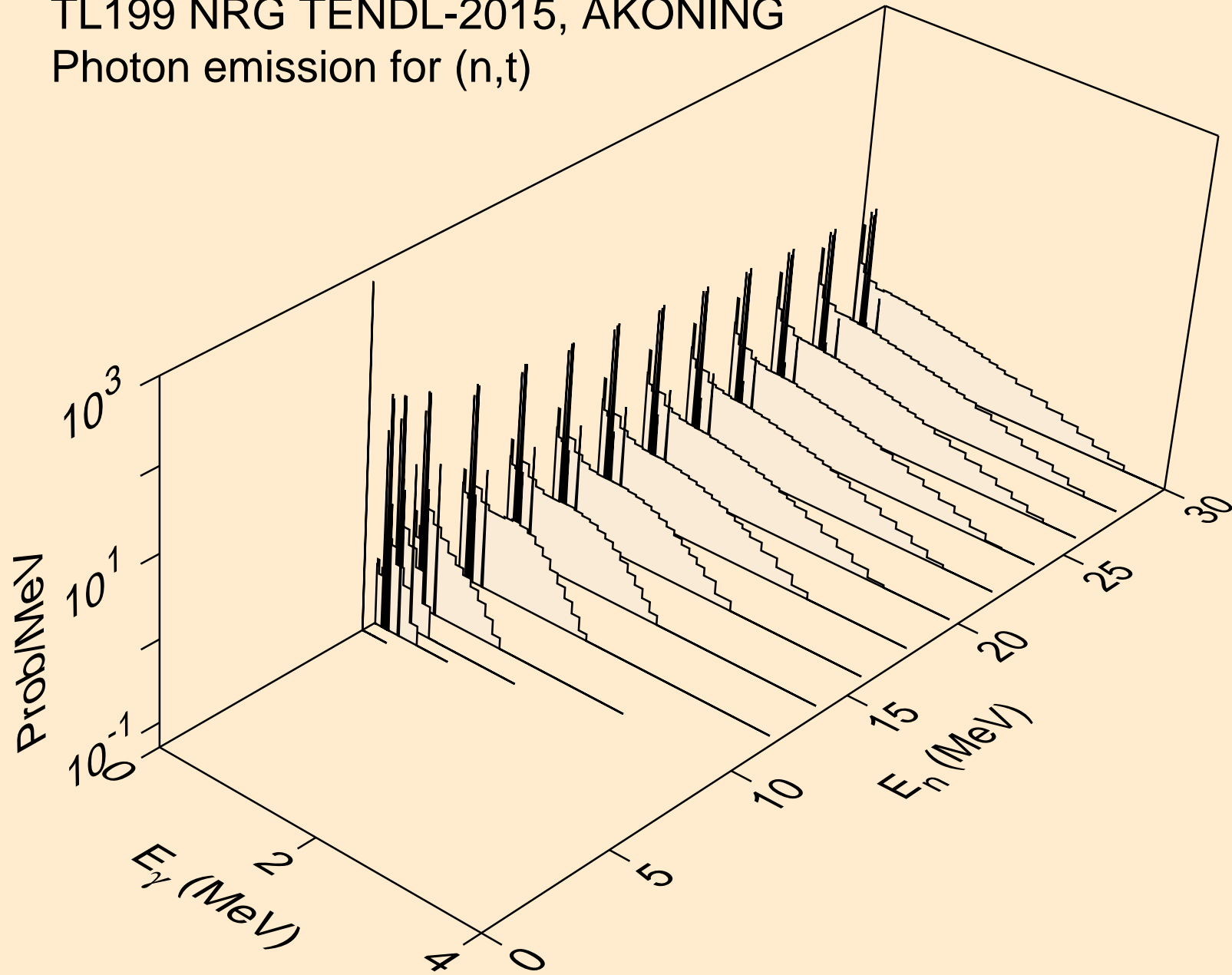
TL199 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



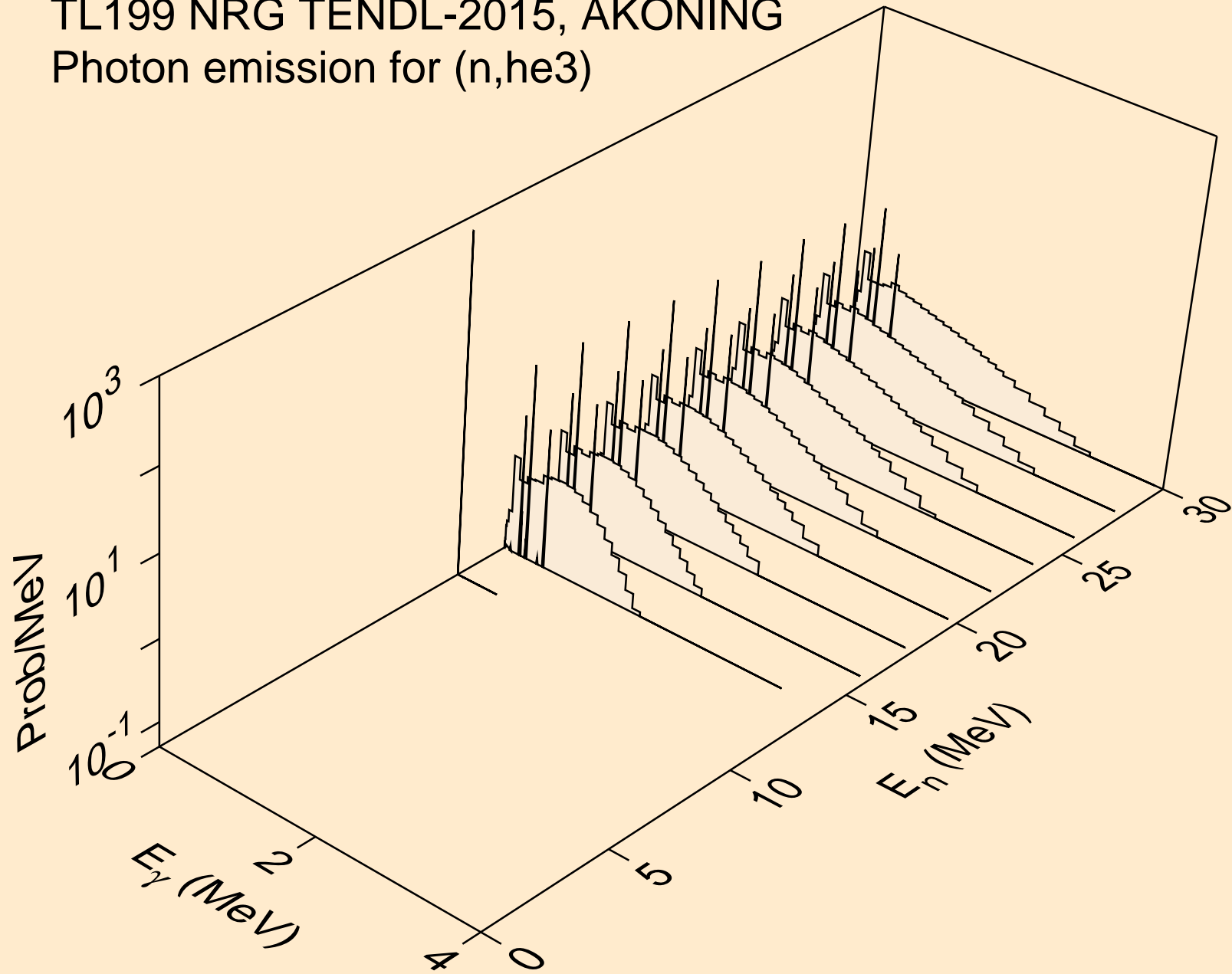
TL199 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



TL199 NRG TENDL-2015, AKONING  
Photon emission for (n,t)

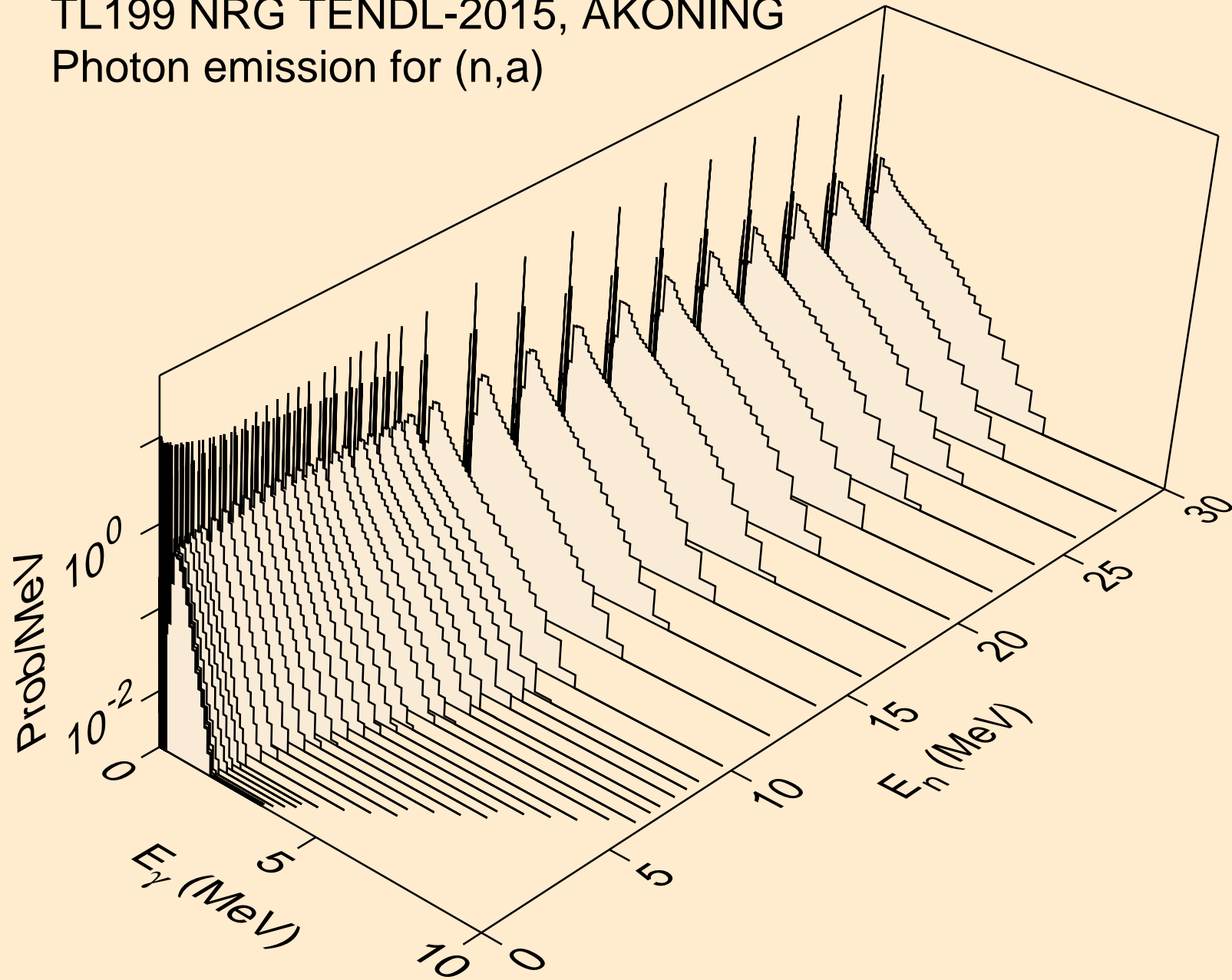


TL199 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)

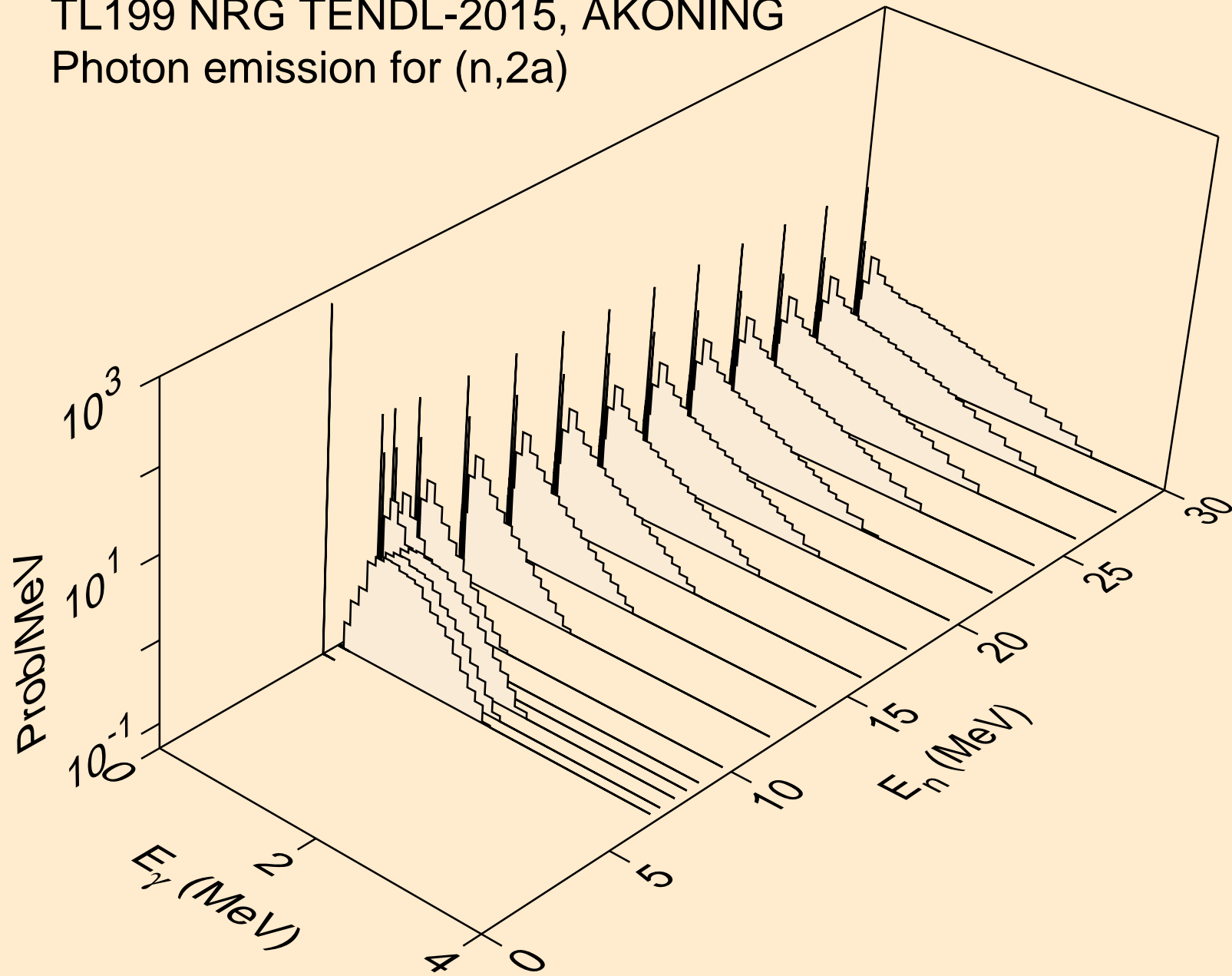




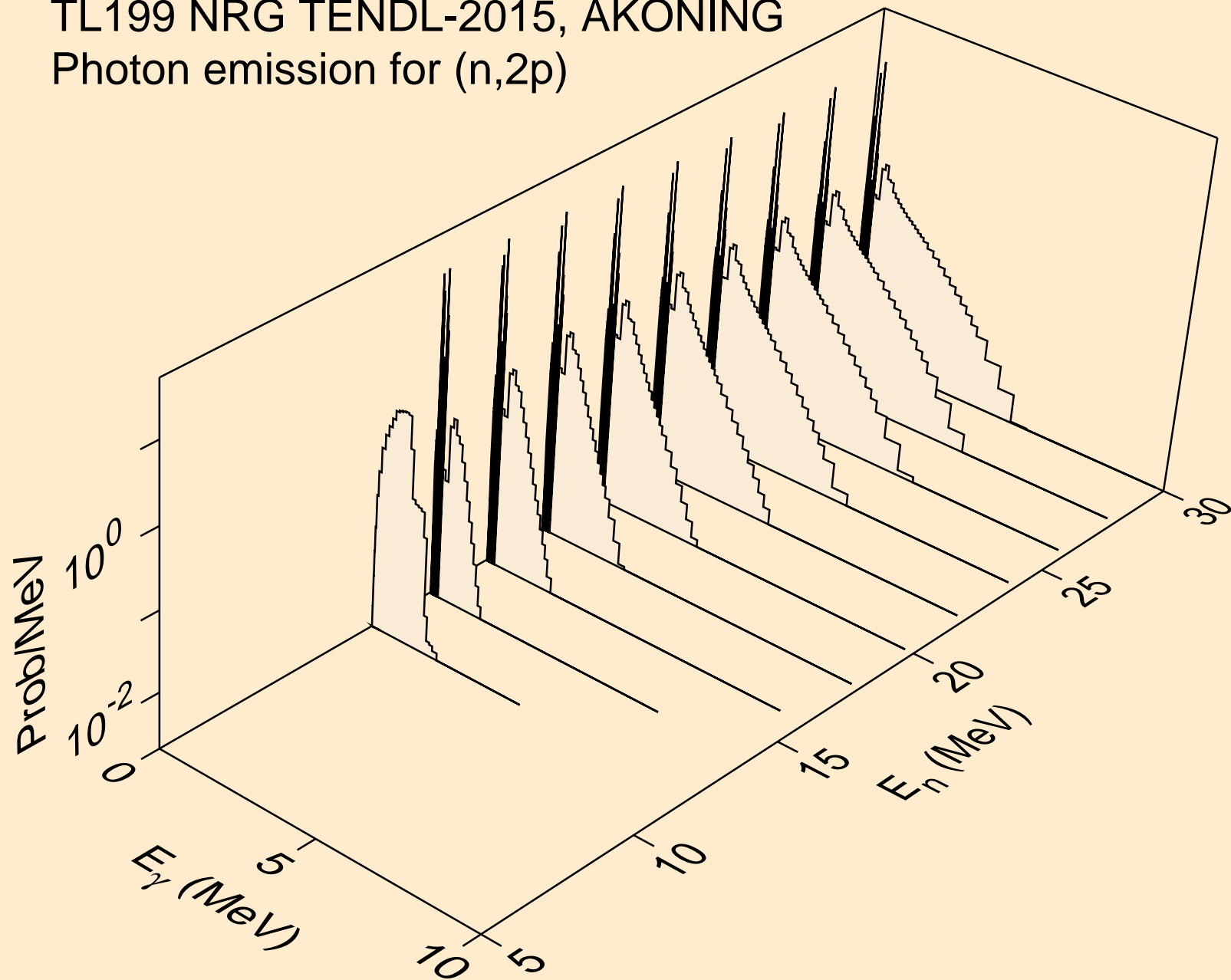
TL199 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



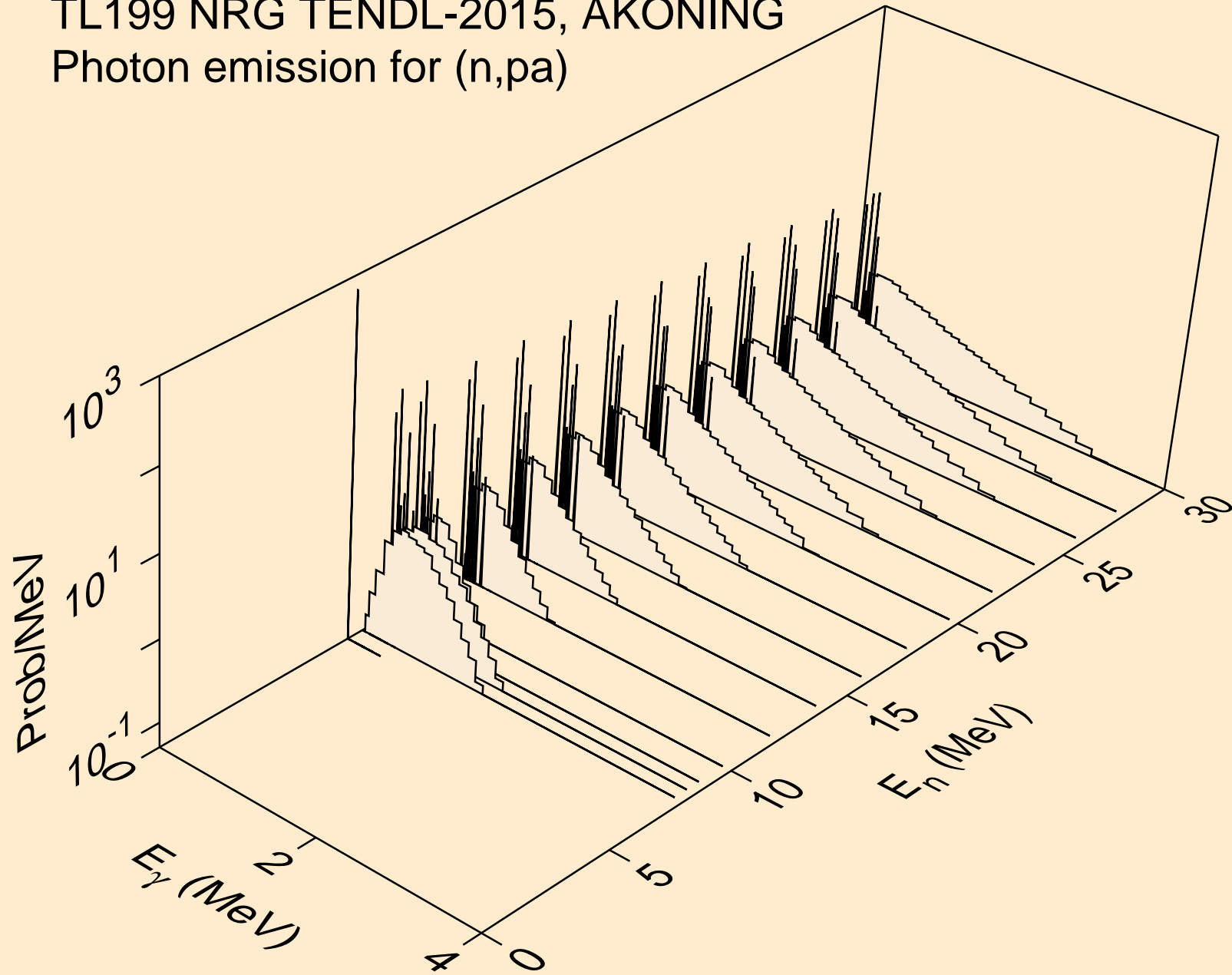
TL199 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



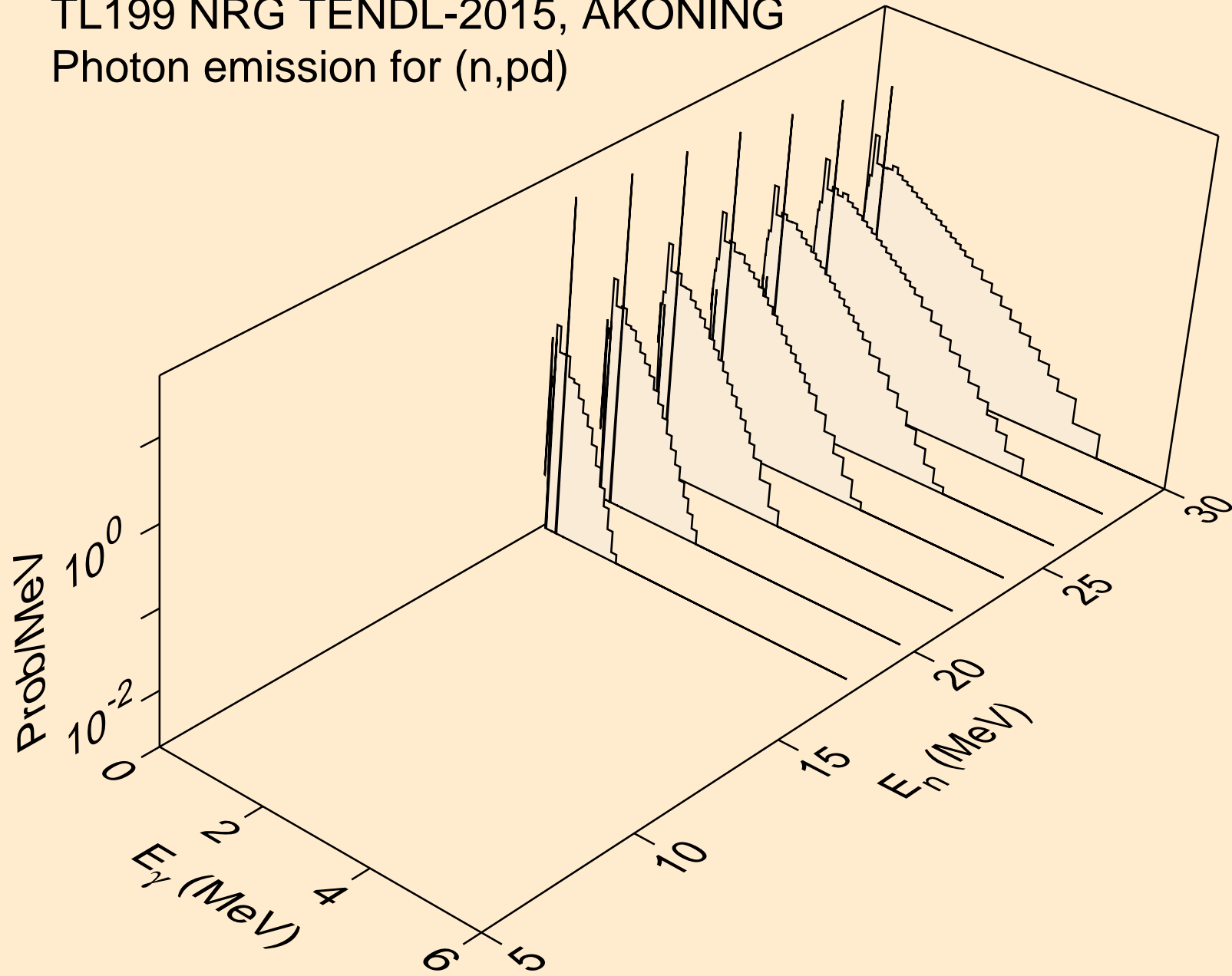
TL199 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



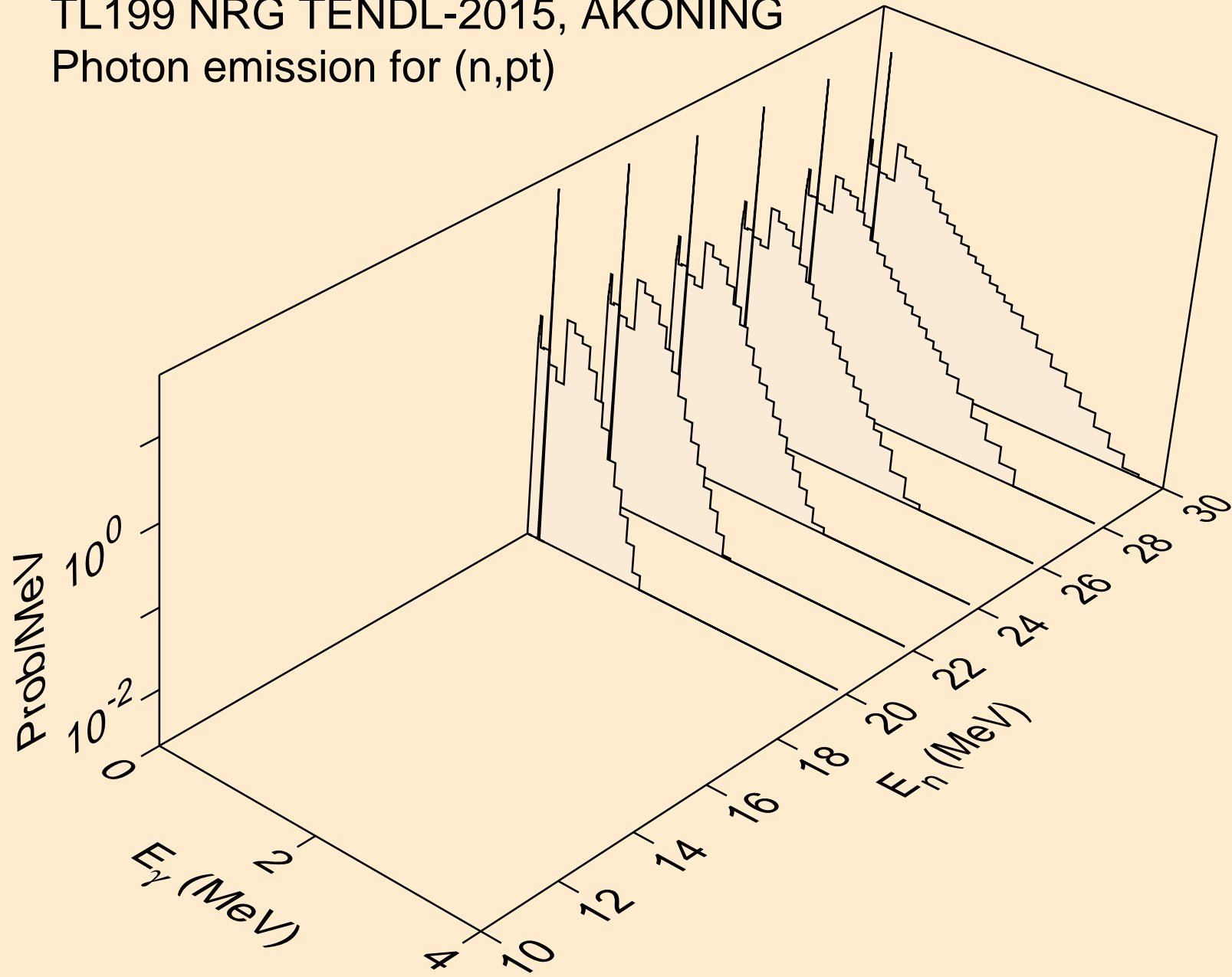
TL199 NRG TENDL-2015, AKONING  
Photon emission for (n,p $\alpha$ )



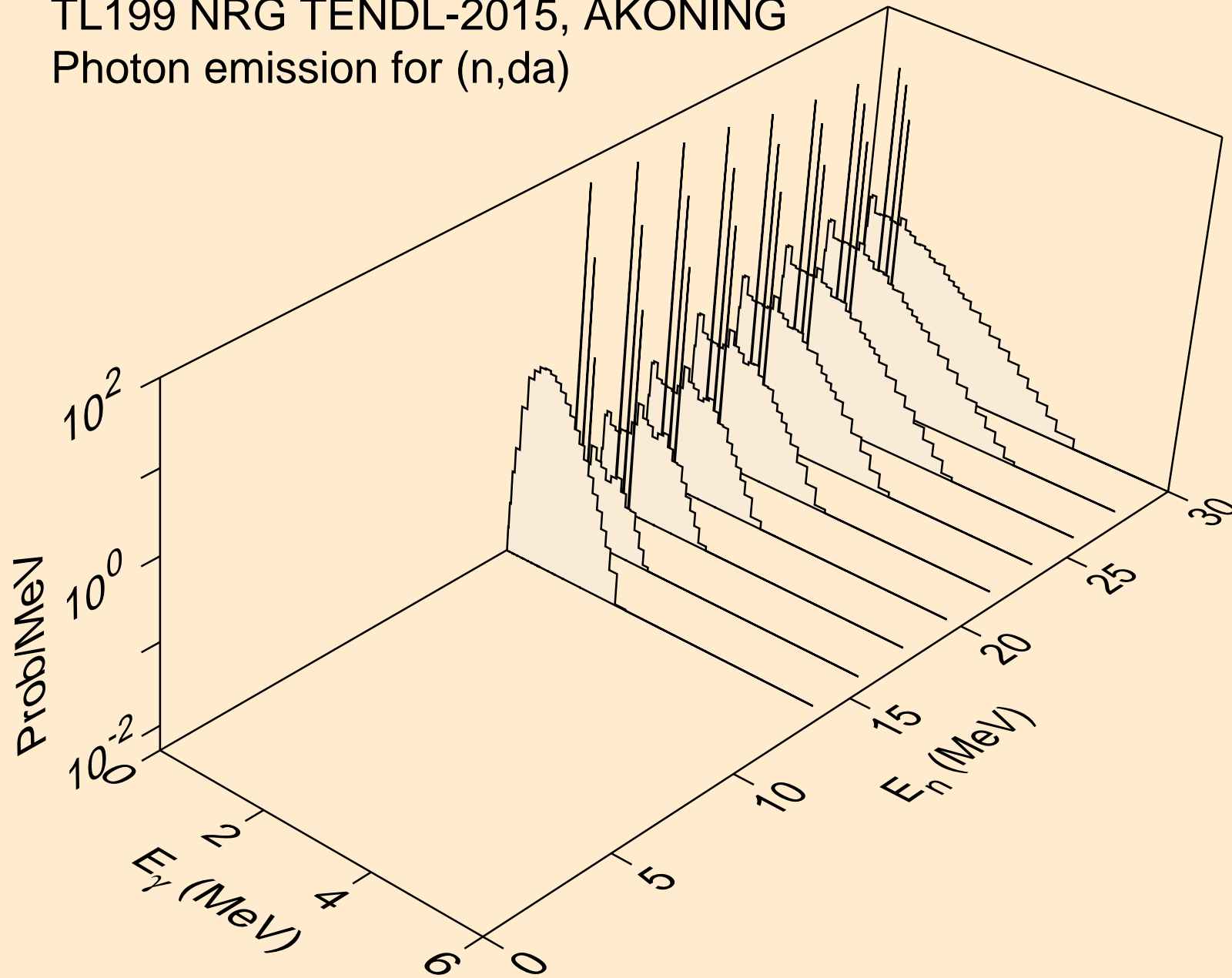
TL199 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



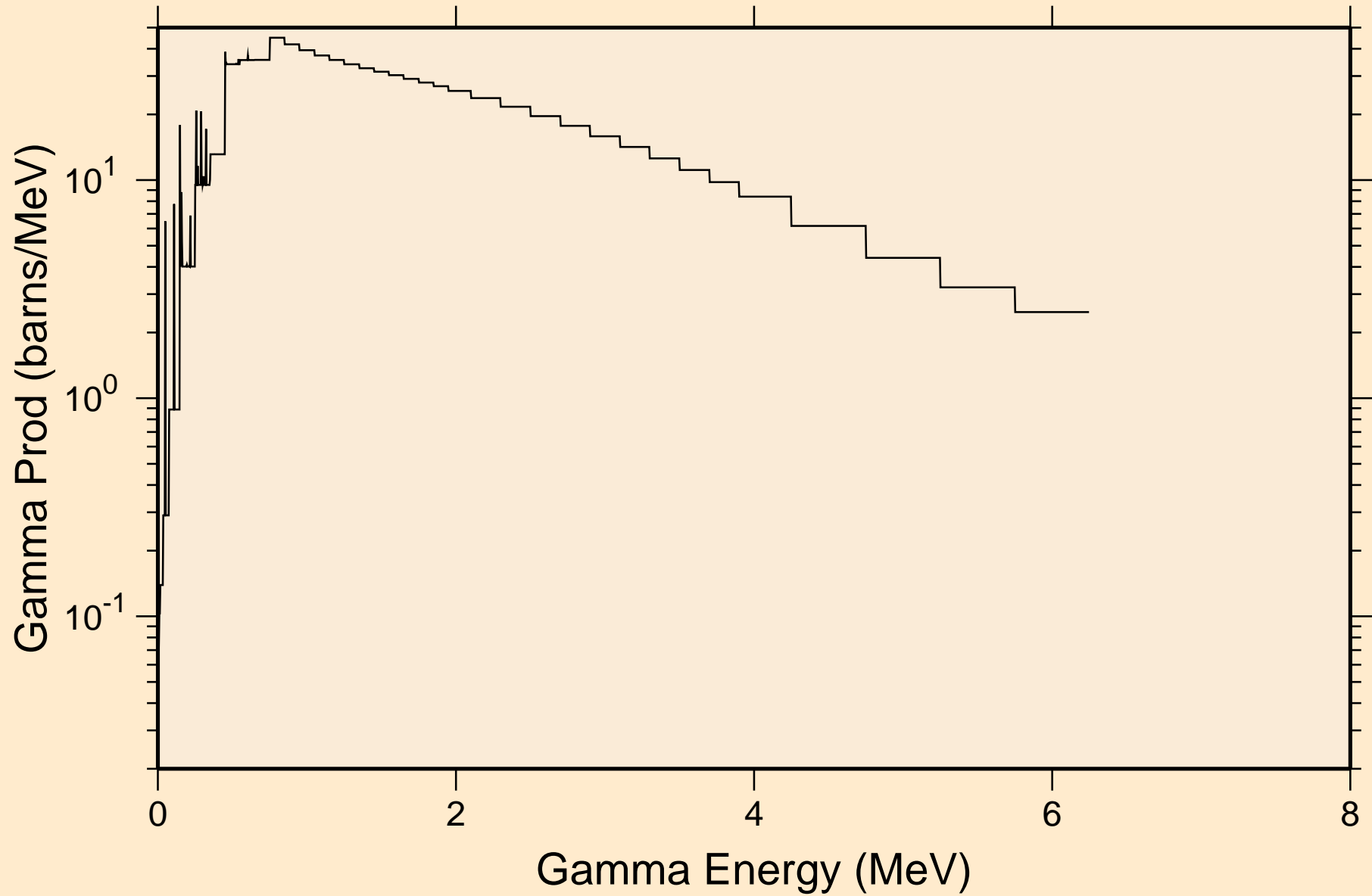
TL199 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



TL199 NRG TENDL-2015, AKONING  
Photon emission for (n,da)

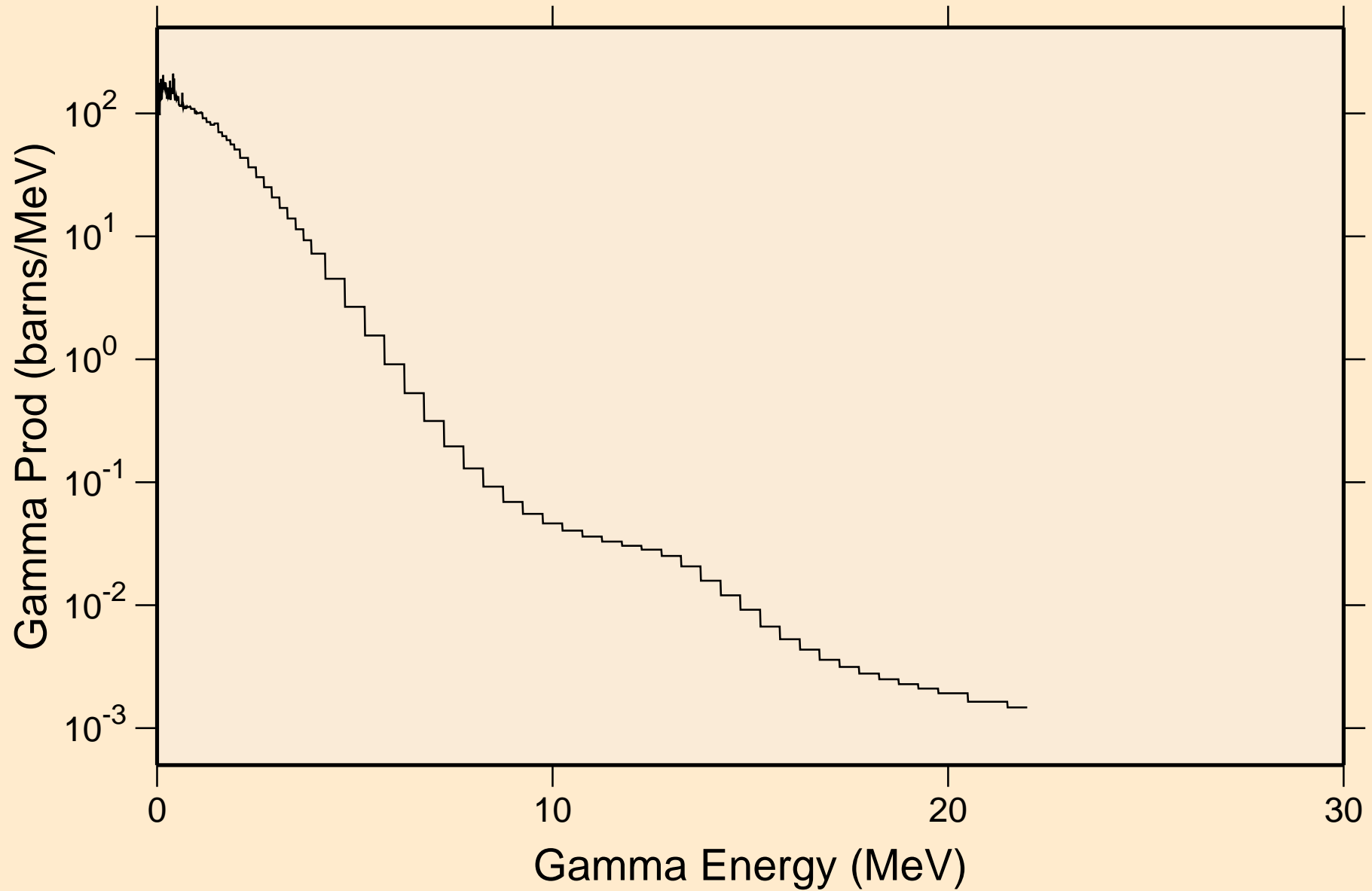


TL199 NRG TENDL-2015, AKONING  
thermal capture photon spectrum



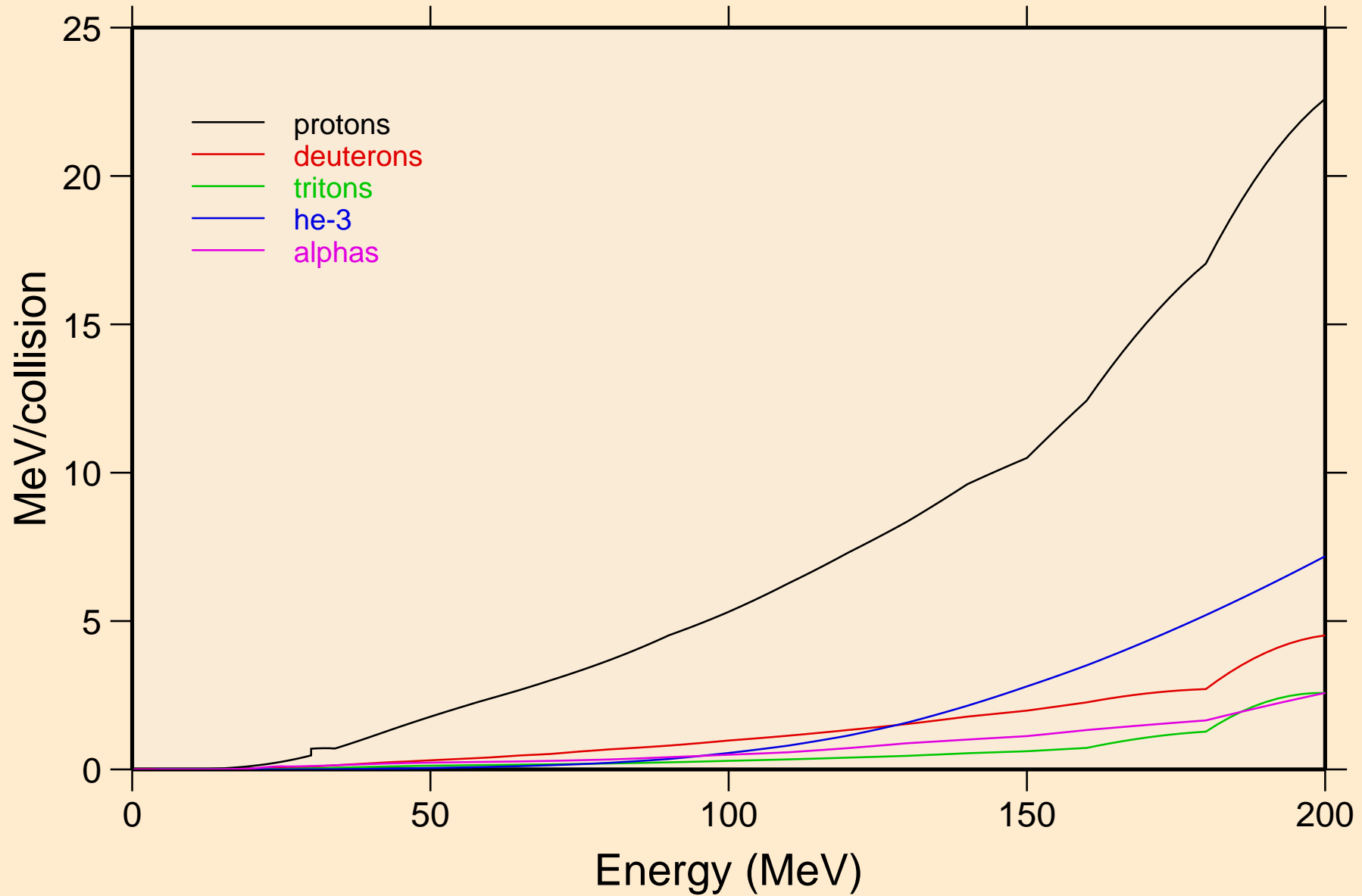


TL199 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



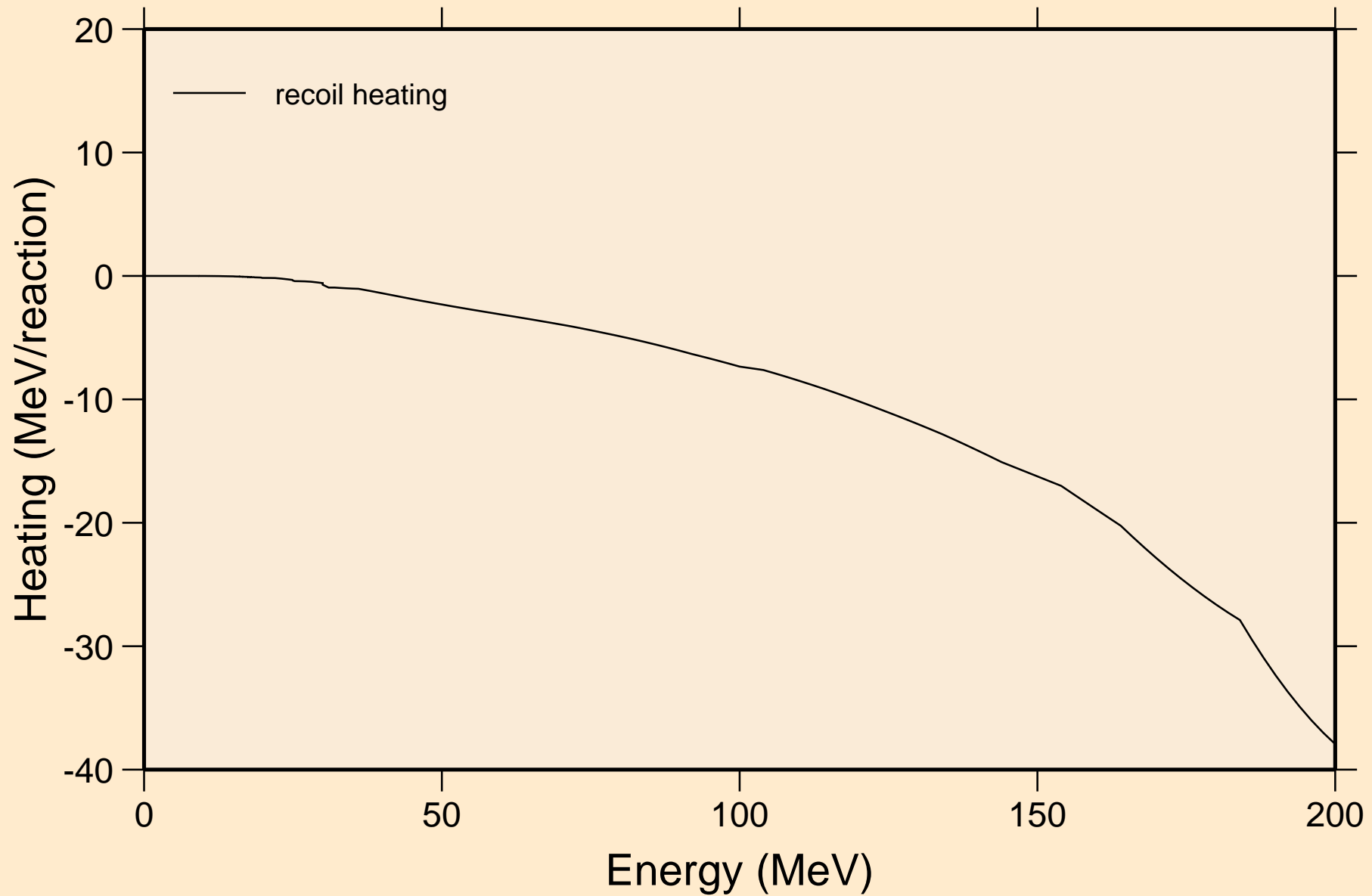
# TL199 NRG TENDL-2015, AKONING

## Particle heating contributions



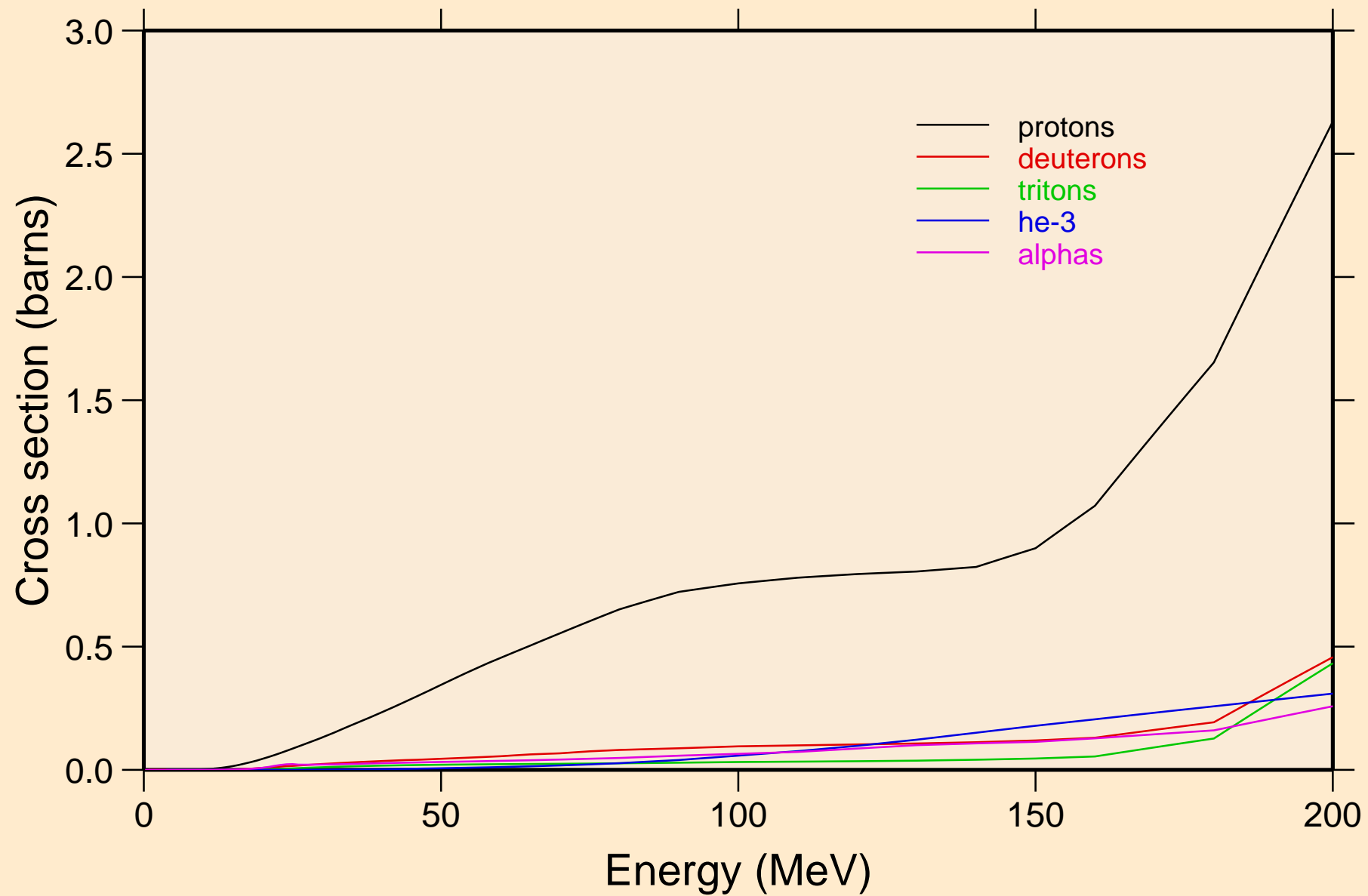
# TL199 NRG TENDL-2015, AKONING

## Recoil Heating

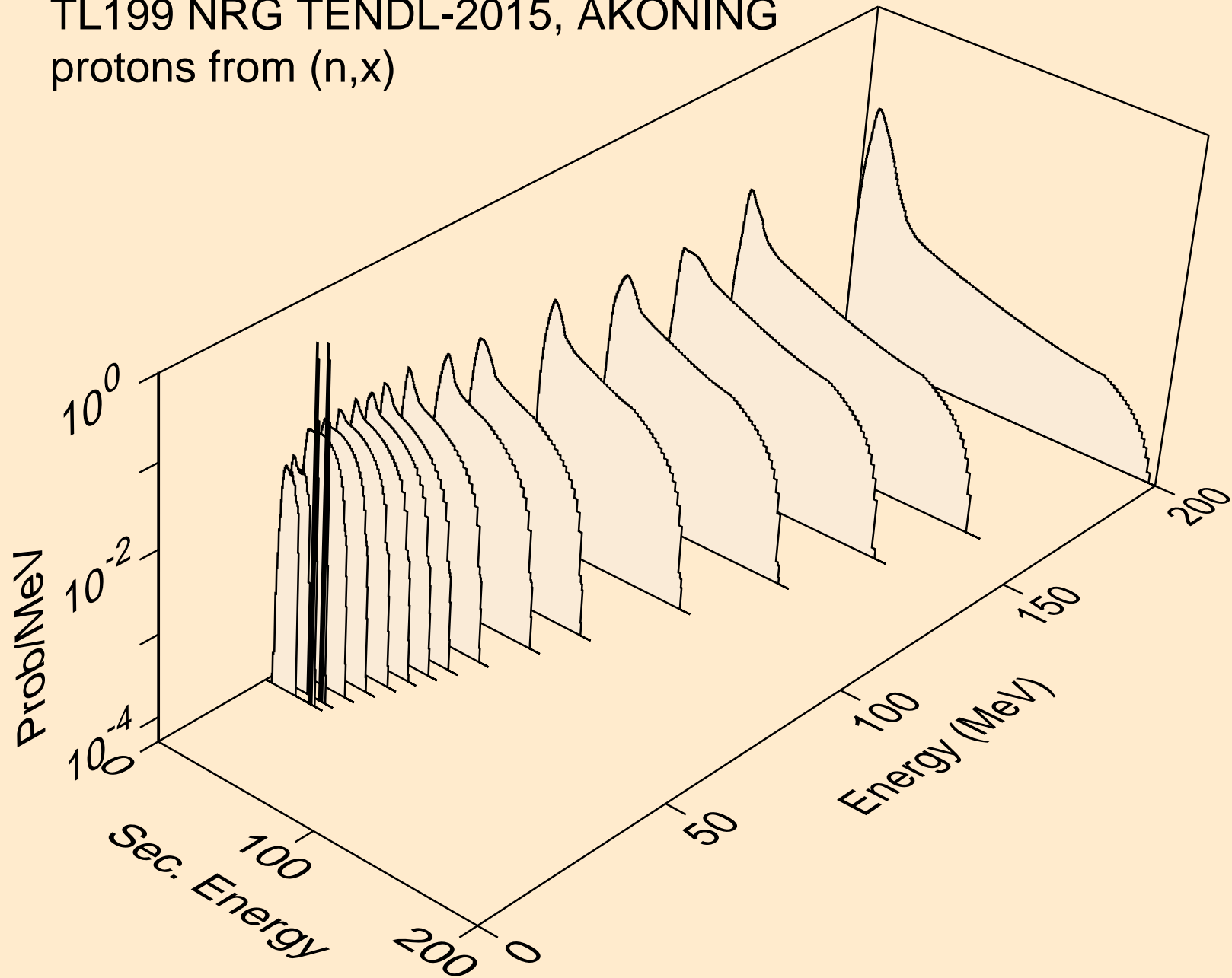


# TL199 NRG TENDL-2015, AKONING

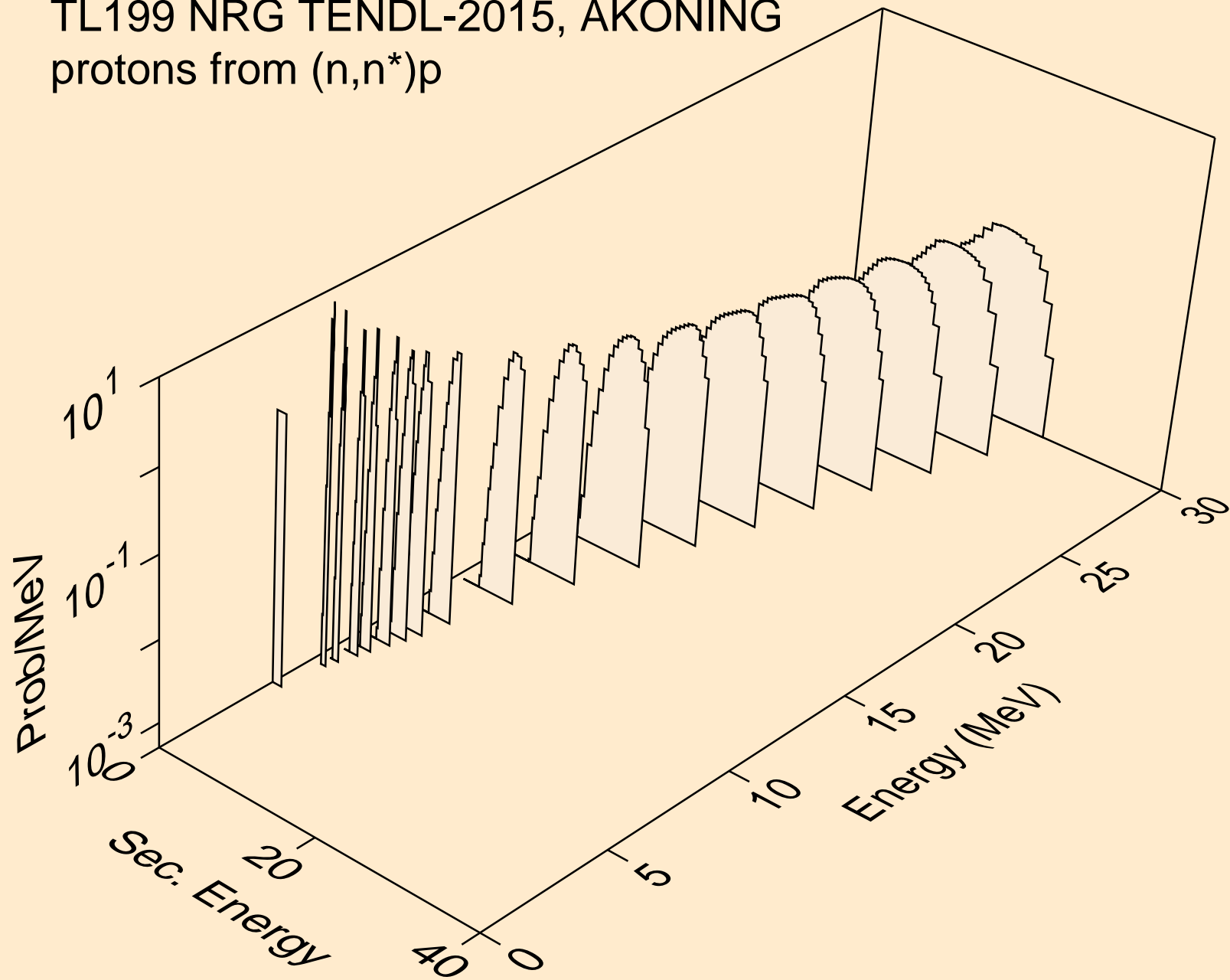
## Particle production cross sections



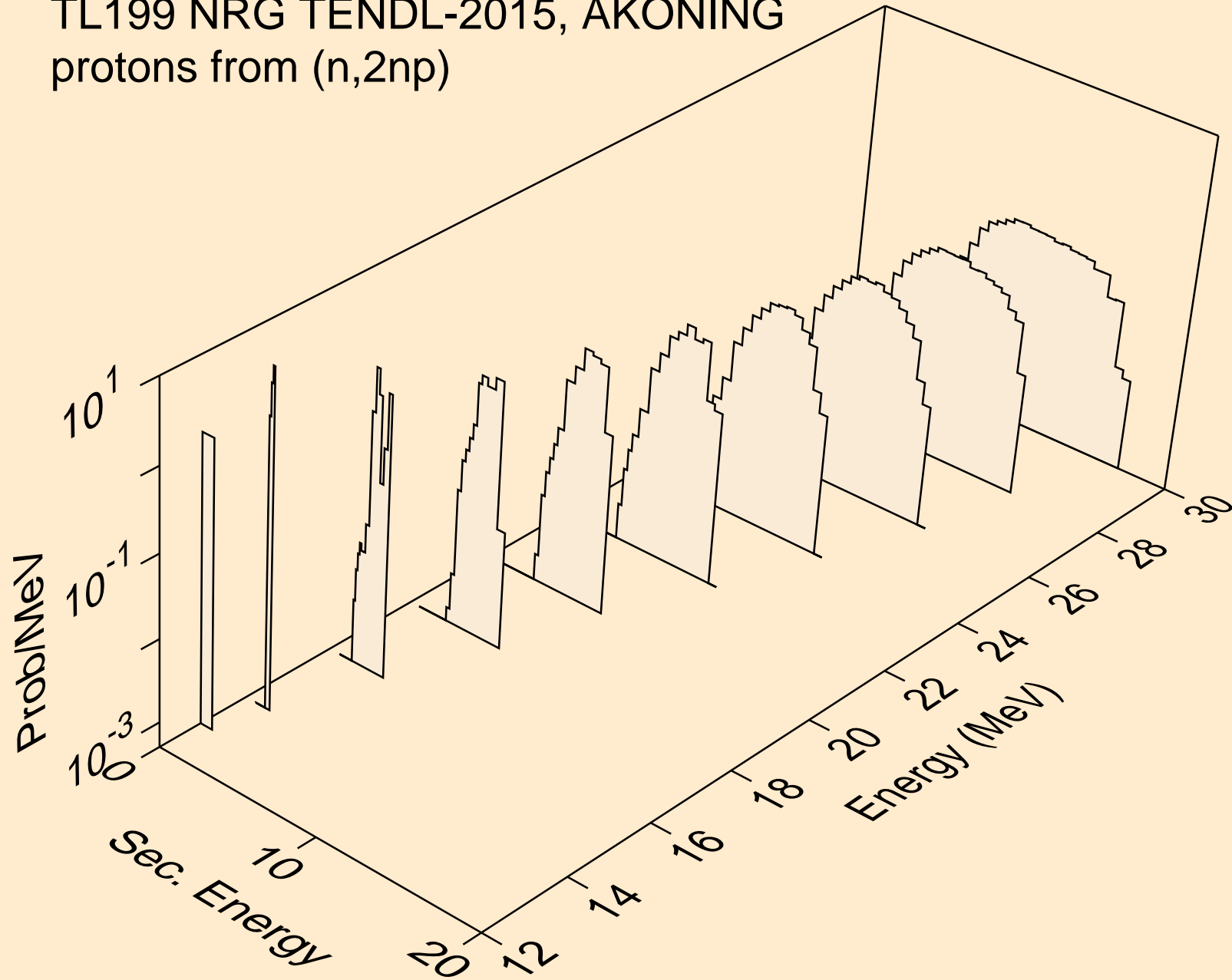
TL199 NRG TENDL-2015, AKONING  
protons from (n,x)



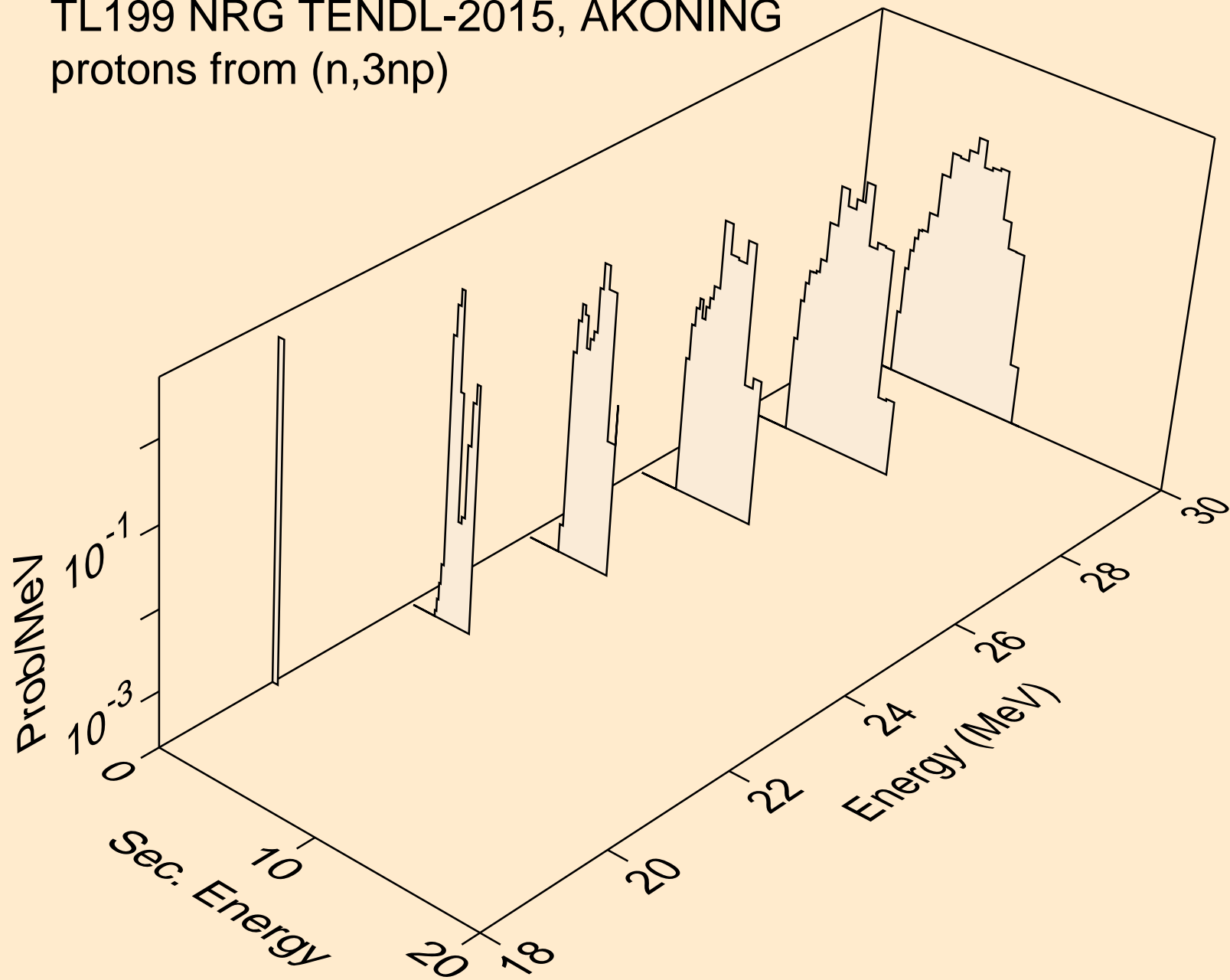
TL199 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



TL199 NRG TENDL-2015, AKONING  
protons from (n,2np)

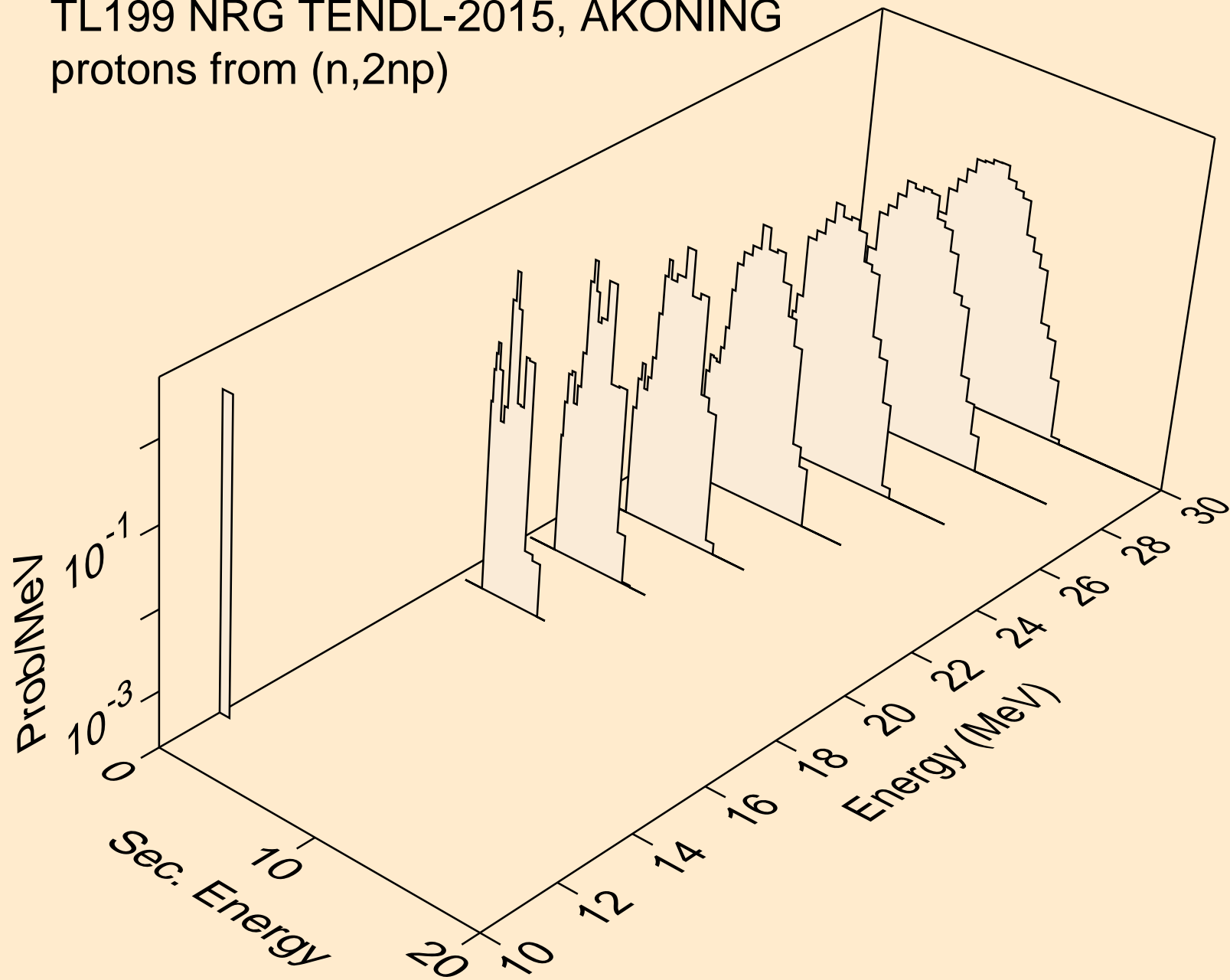


TL199 NRG TENDL-2015, AKONING  
protons from (n,3np)

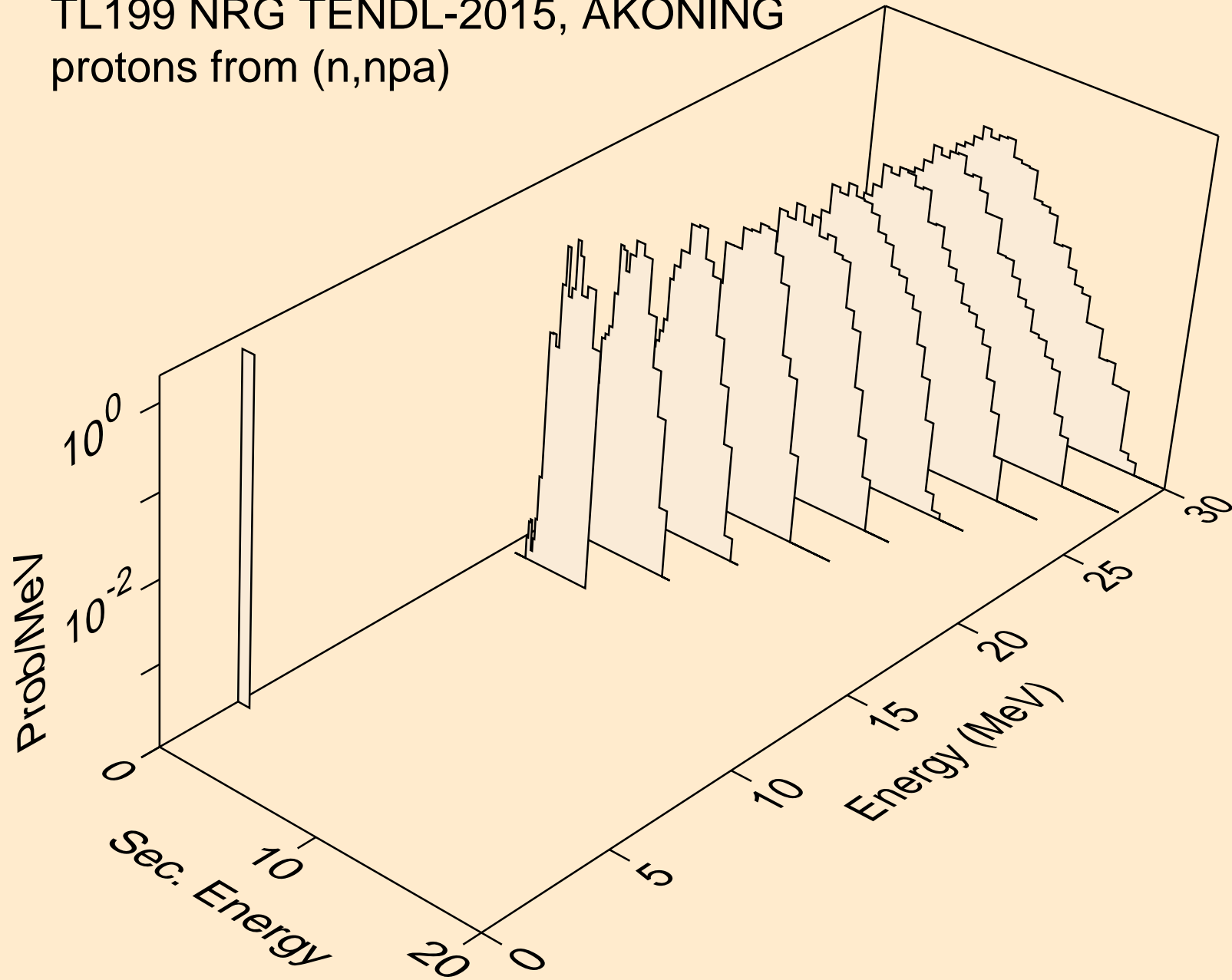




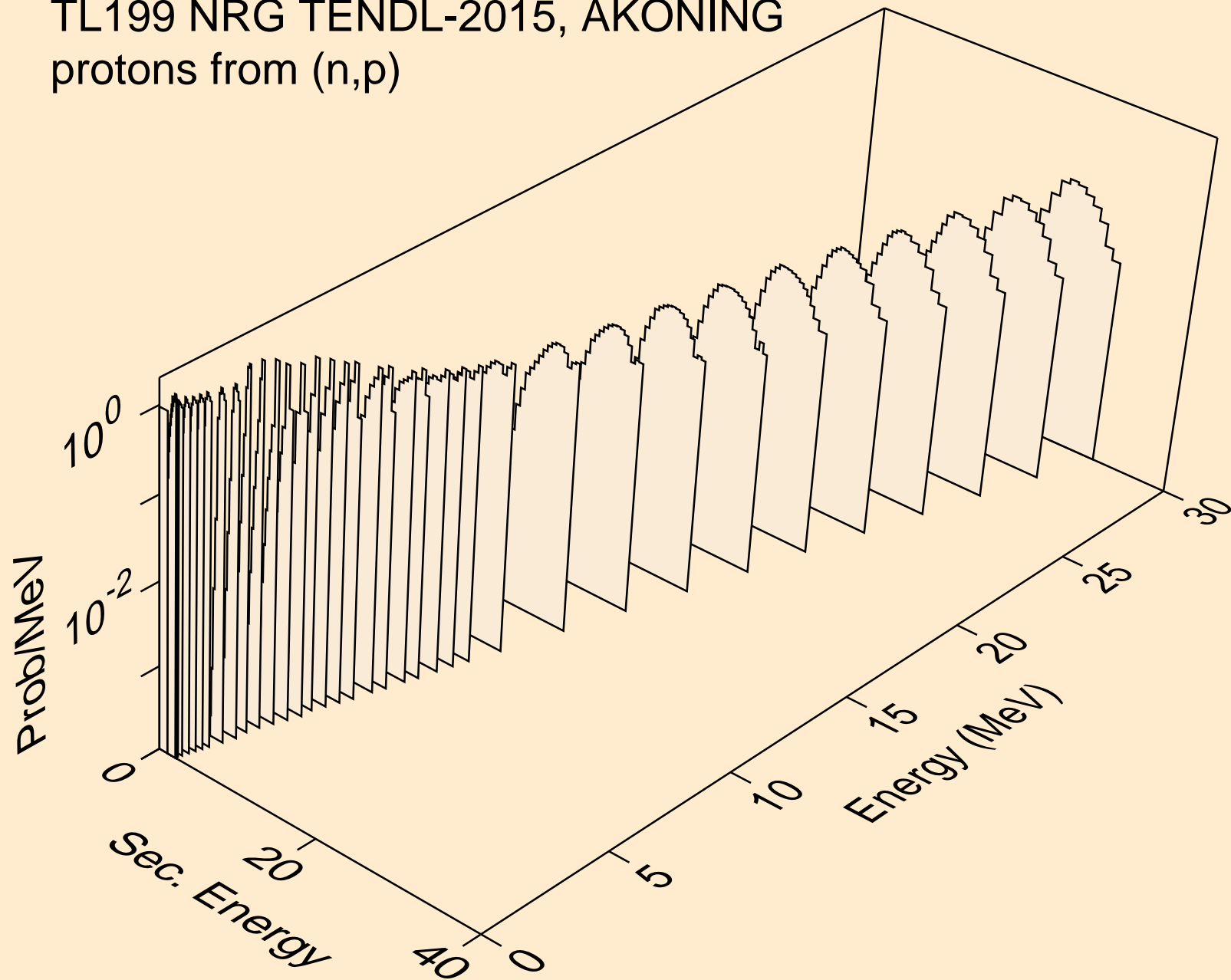
TL199 NRG TENDL-2015, AKONING  
protons from (n,2np)



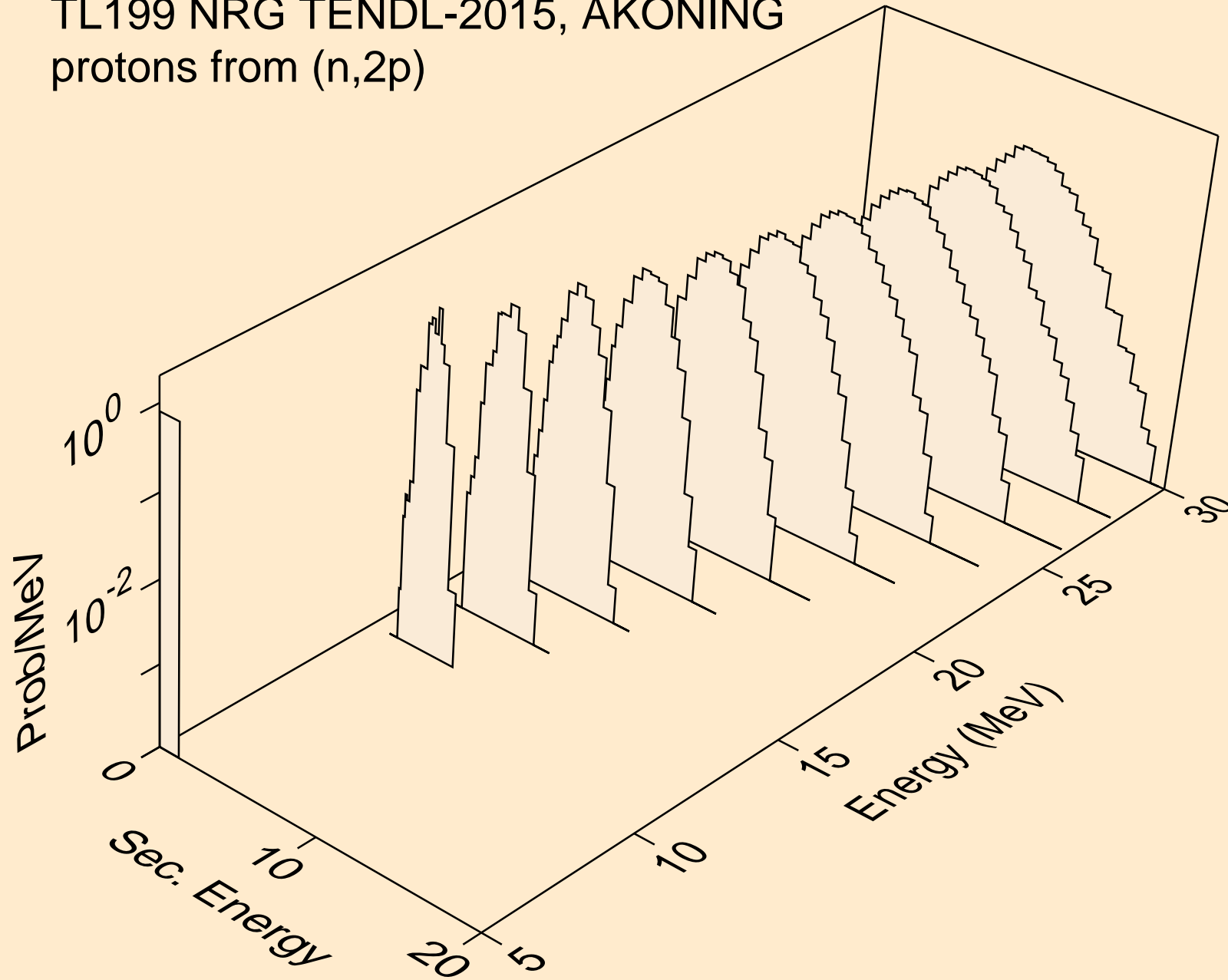
TL199 NRG TENDL-2015, AKONING  
protons from (n,npa)



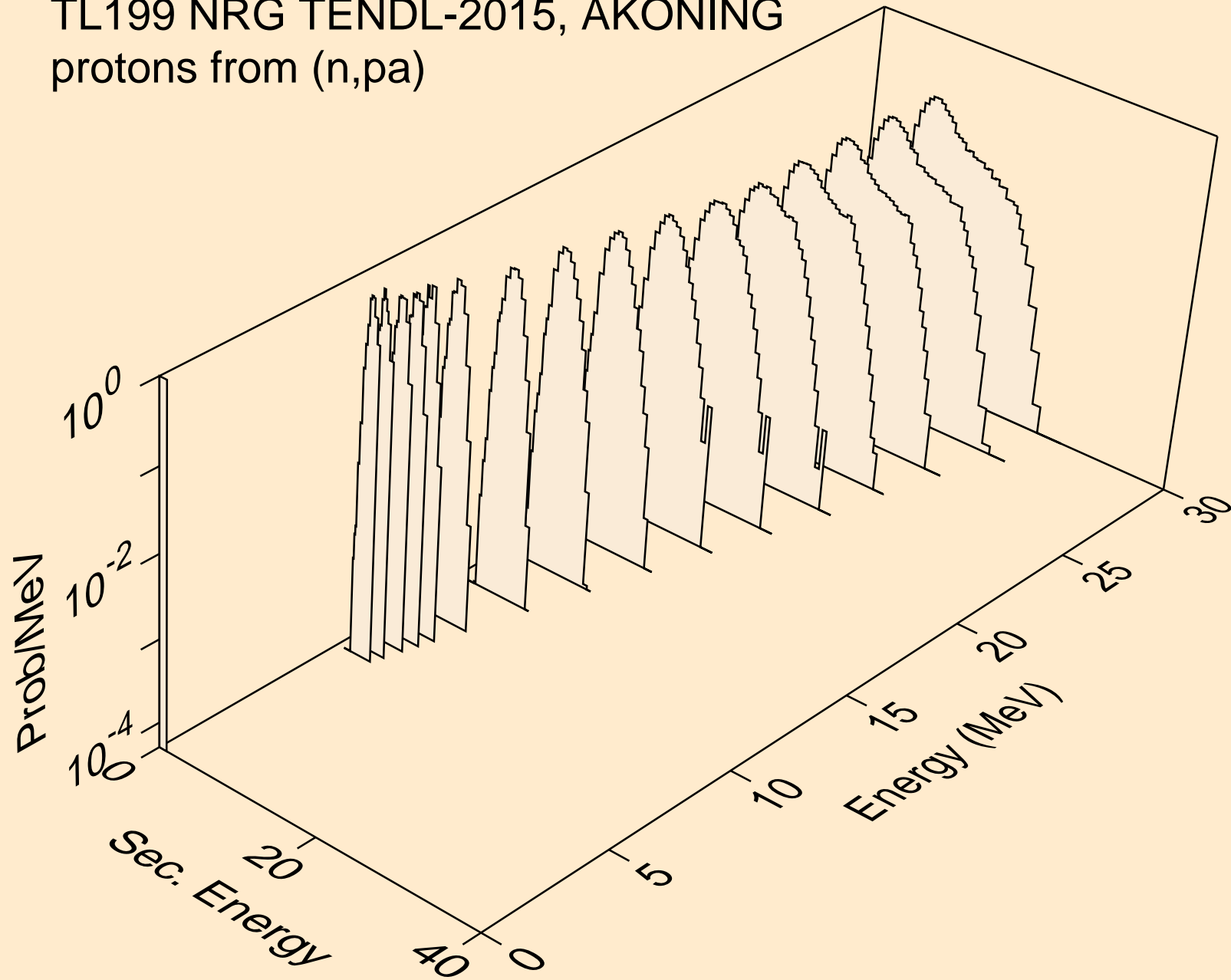
TL199 NRG TENDL-2015, AKONING  
protons from (n,p)



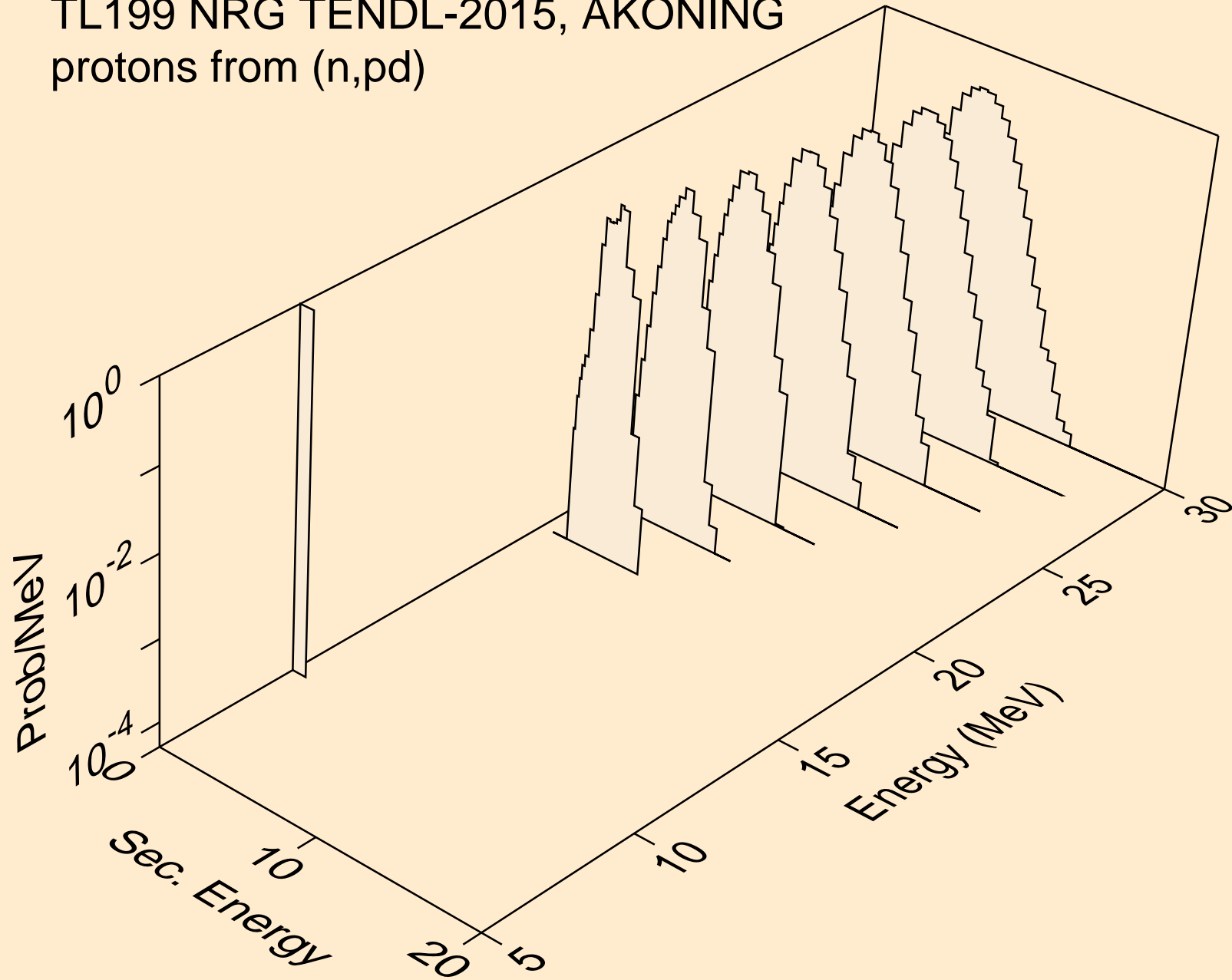
TL199 NRG TENDL-2015, AKONING  
protons from (n,2p)



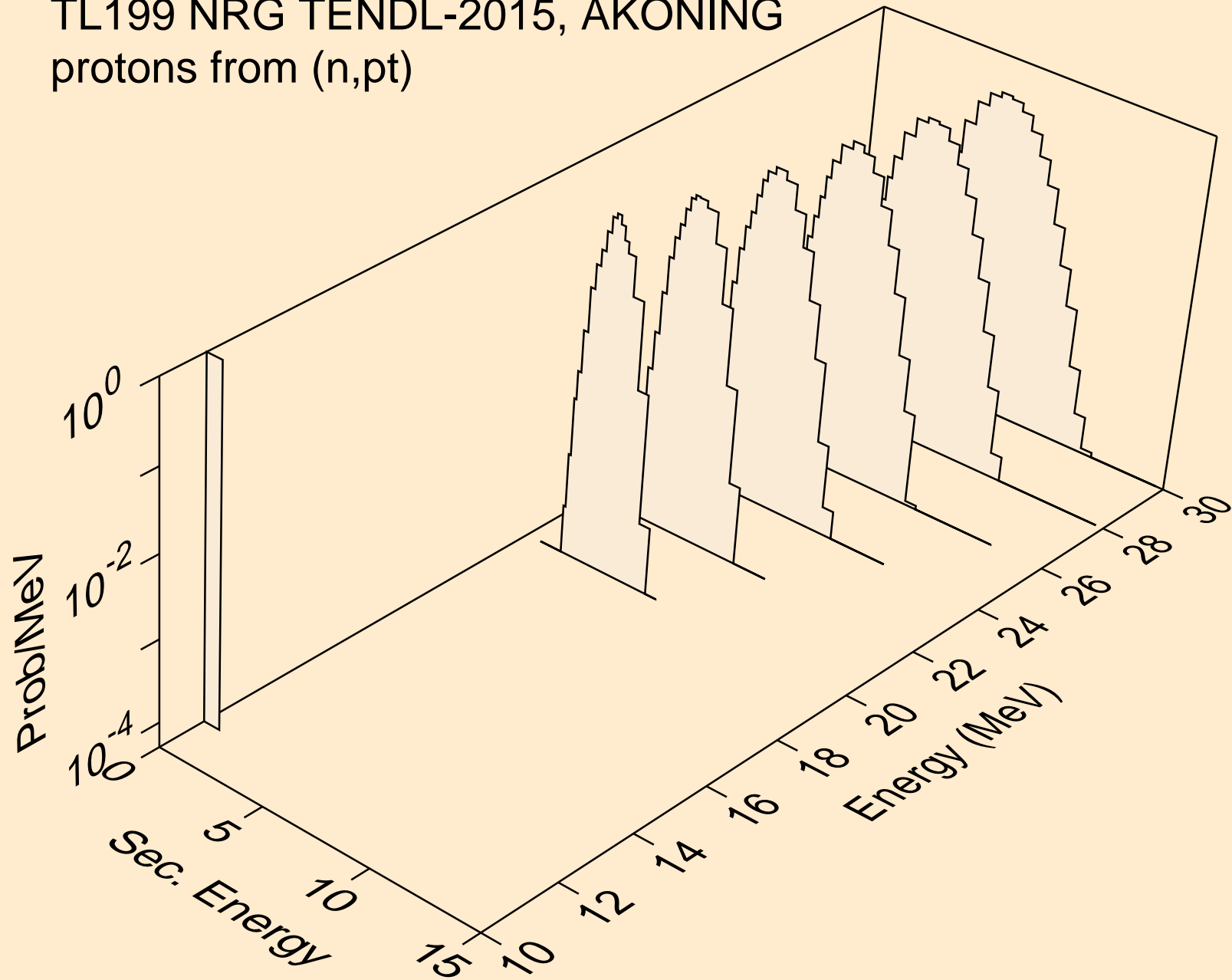
TL199 NRG TENDL-2015, AKONING  
protons from (n,pa)



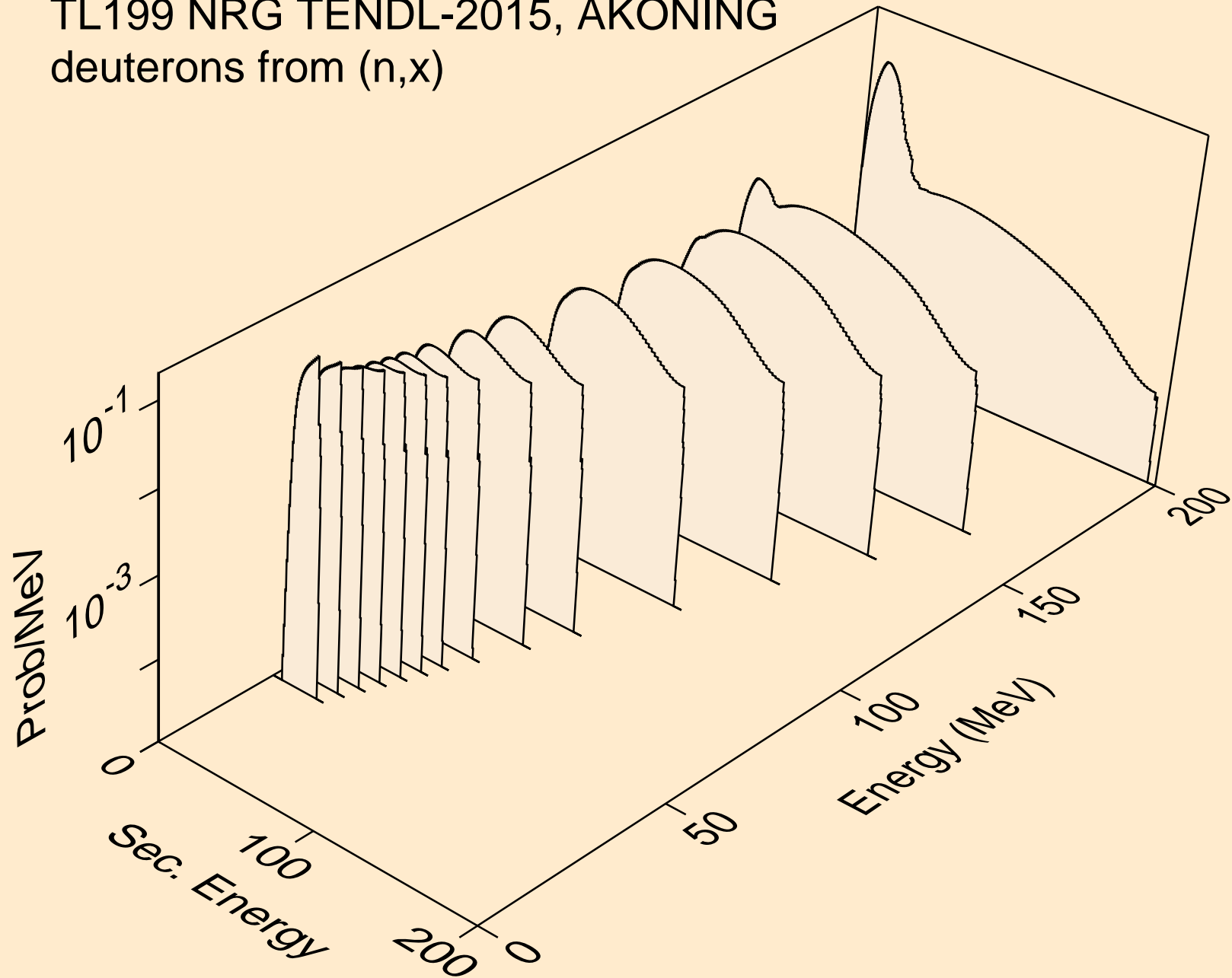
TL199 NRG TENDL-2015, AKONING  
protons from (n,pd)



TL199 NRG TENDL-2015, AKONING  
protons from (n,pt)

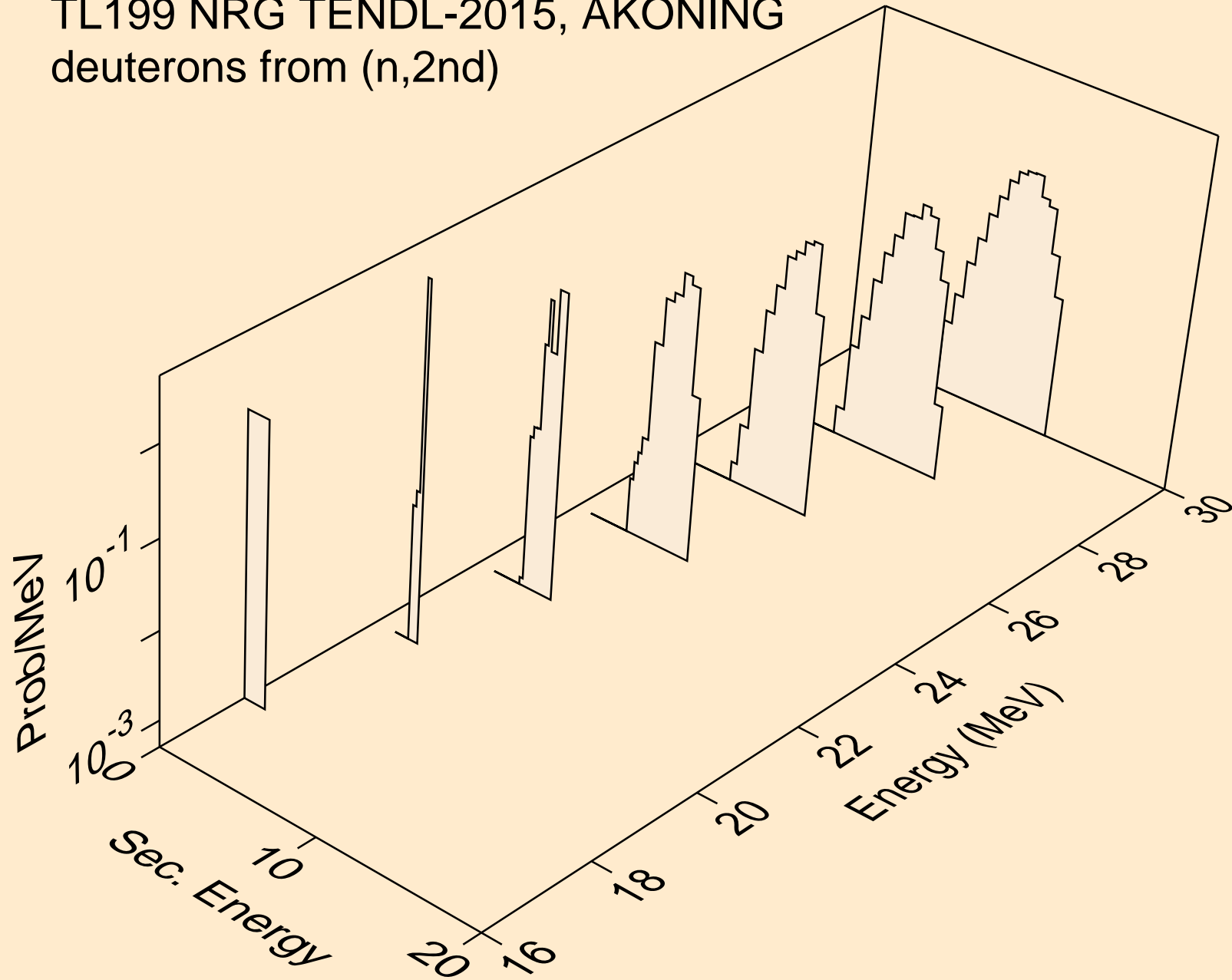


TL199 NRG TENDL-2015, AKONING  
deuterons from (n,x)

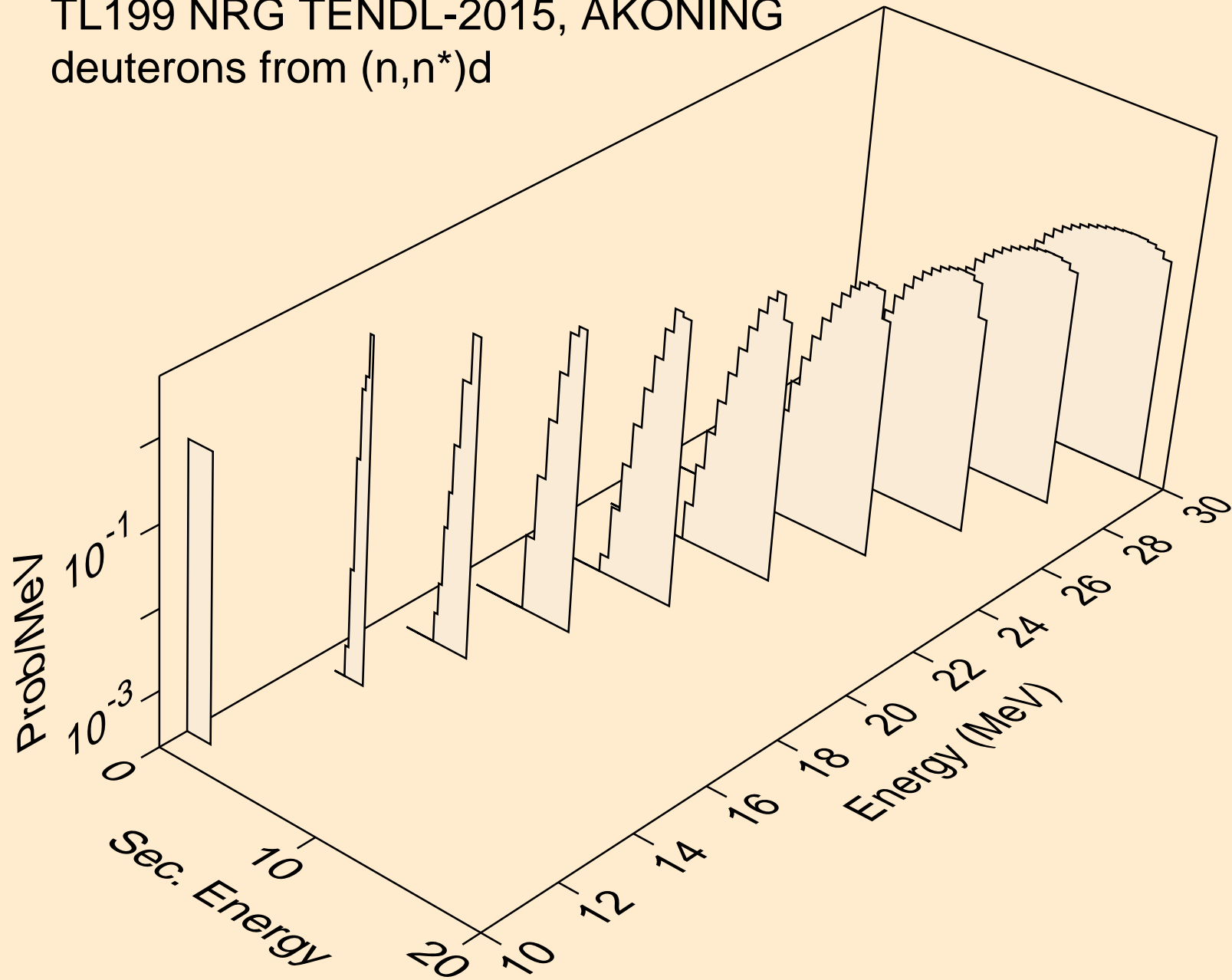




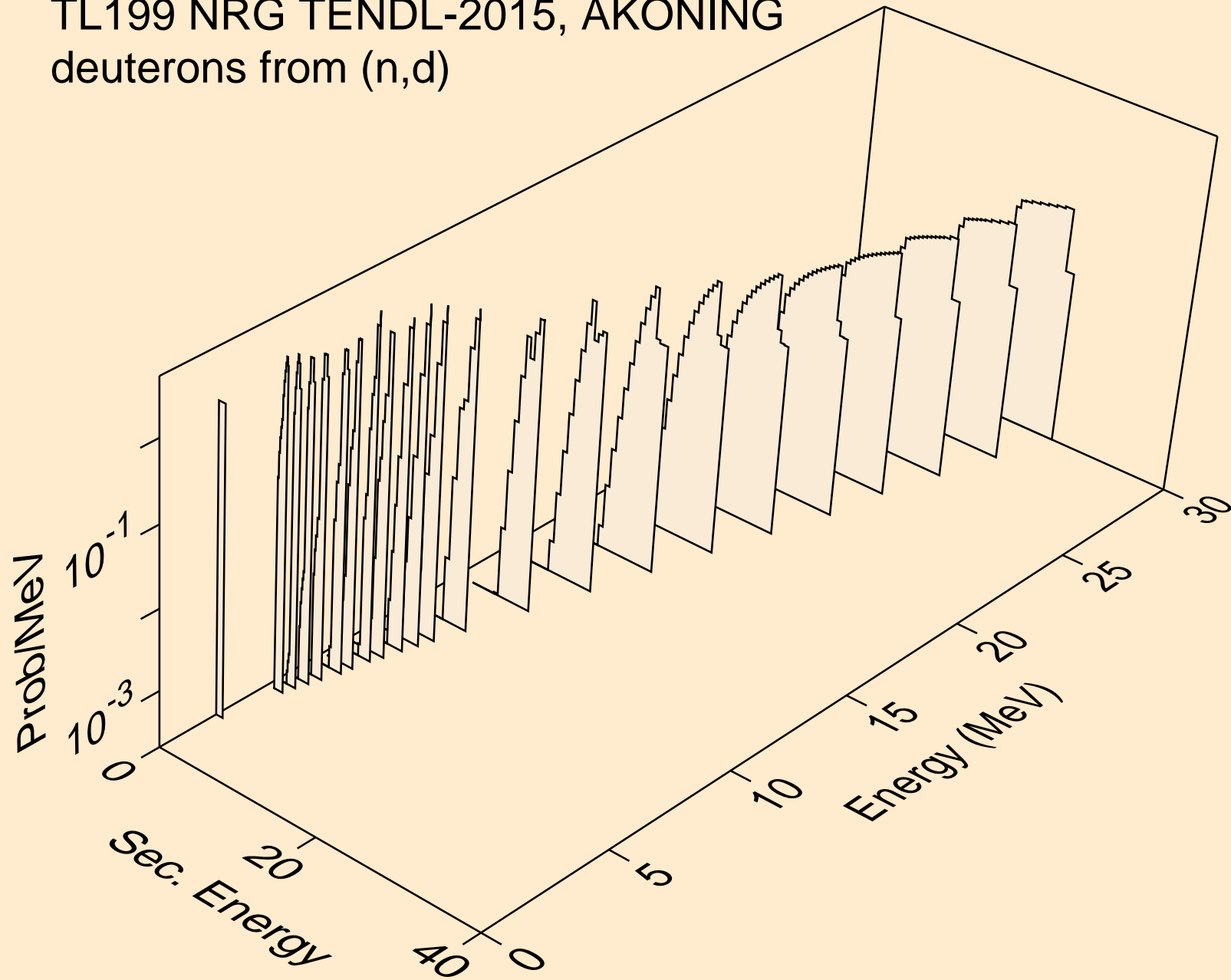
TL199 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



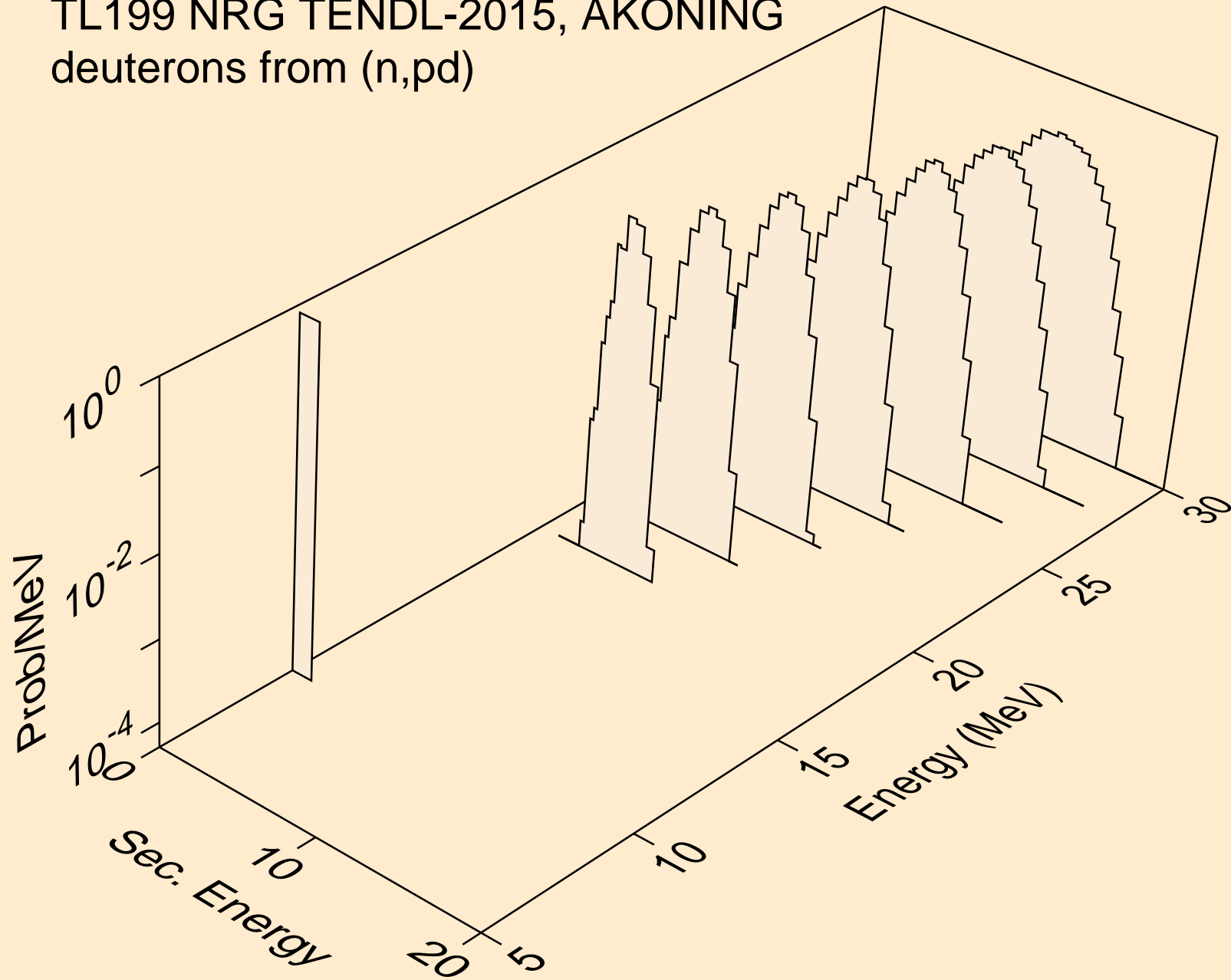
TL199 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



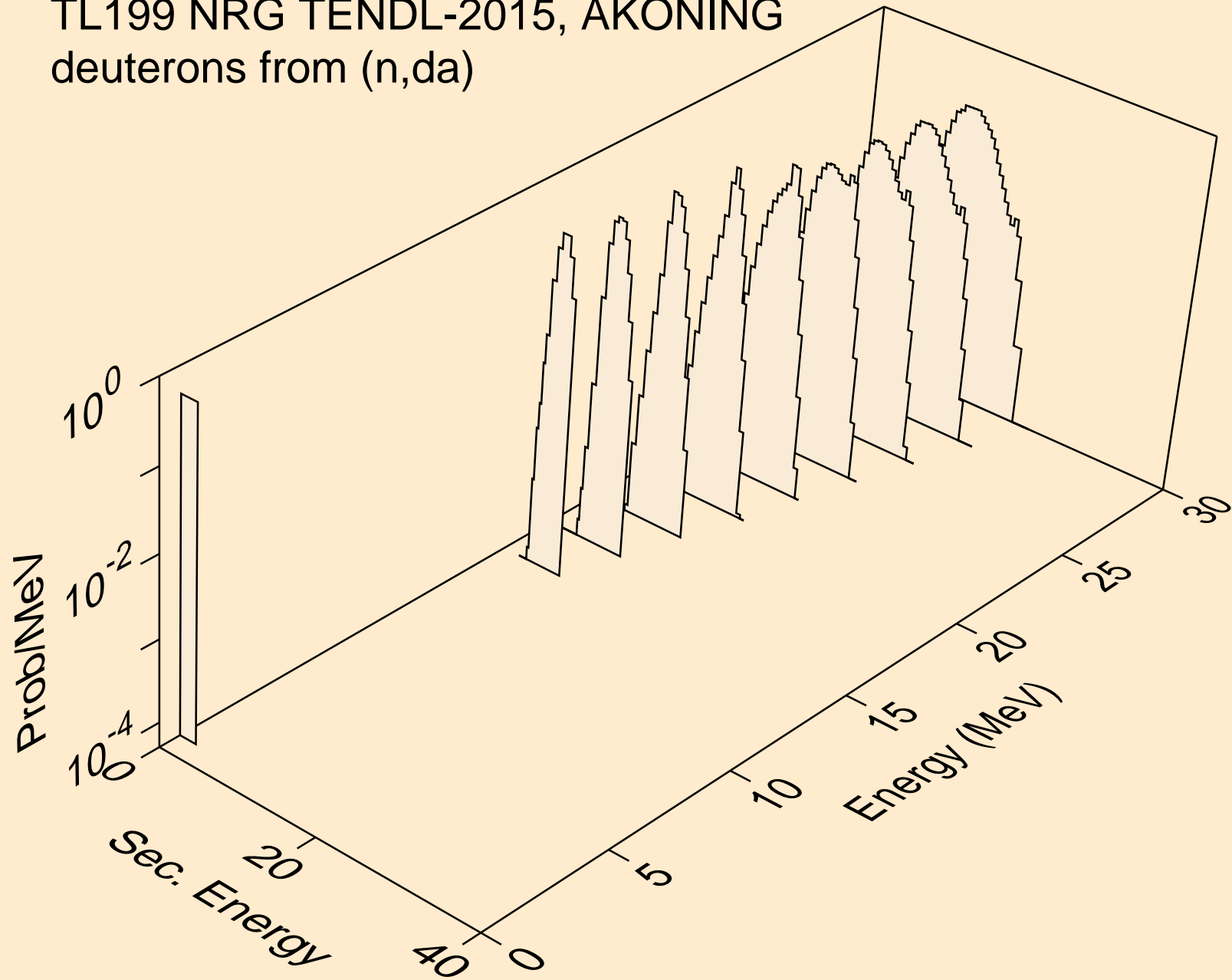
TL199 NRG TENDL-2015, AKONING  
deuterons from (n,d)



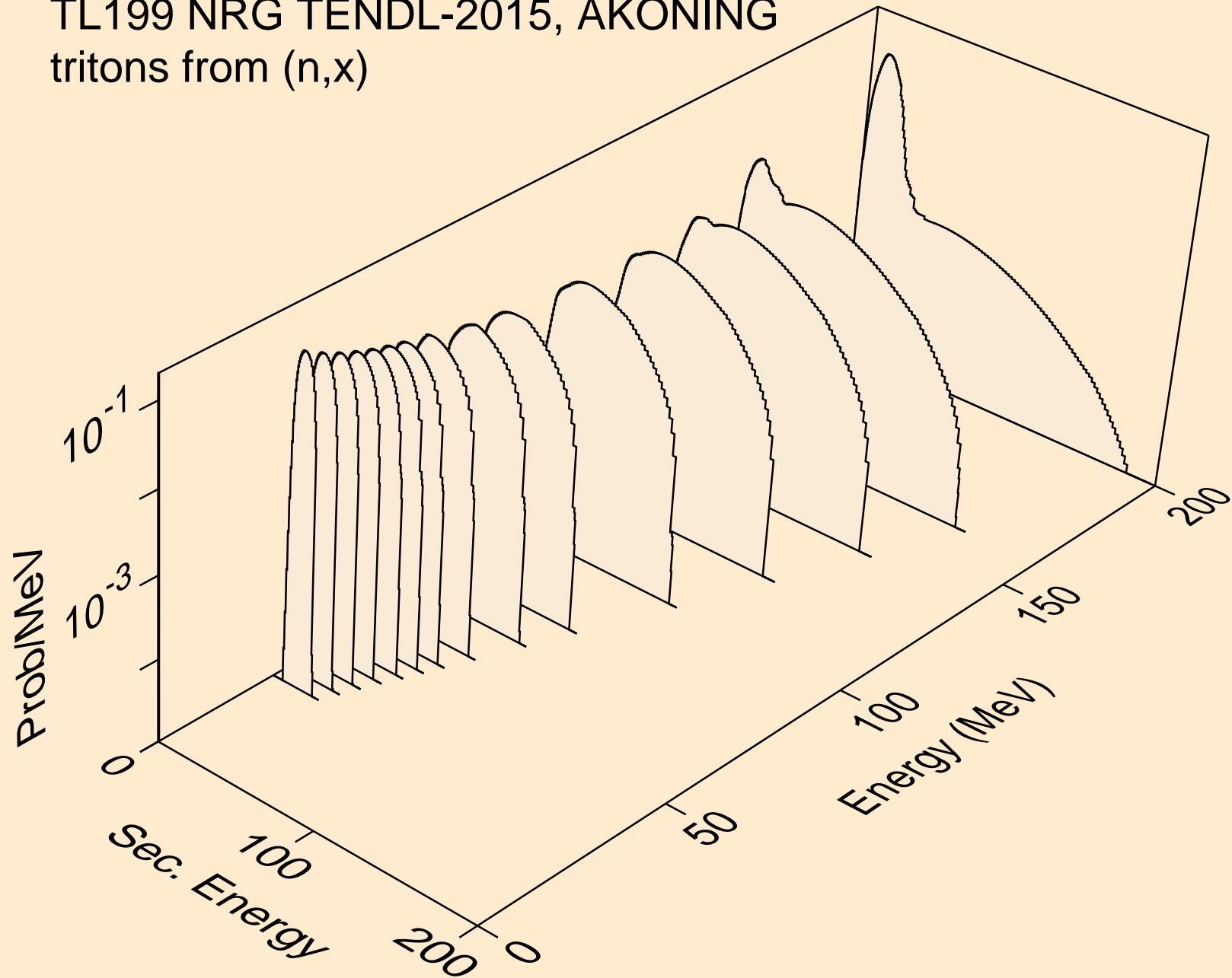
TL199 NRG TENDL-2015, AKONING  
deuterons from (n,pd)



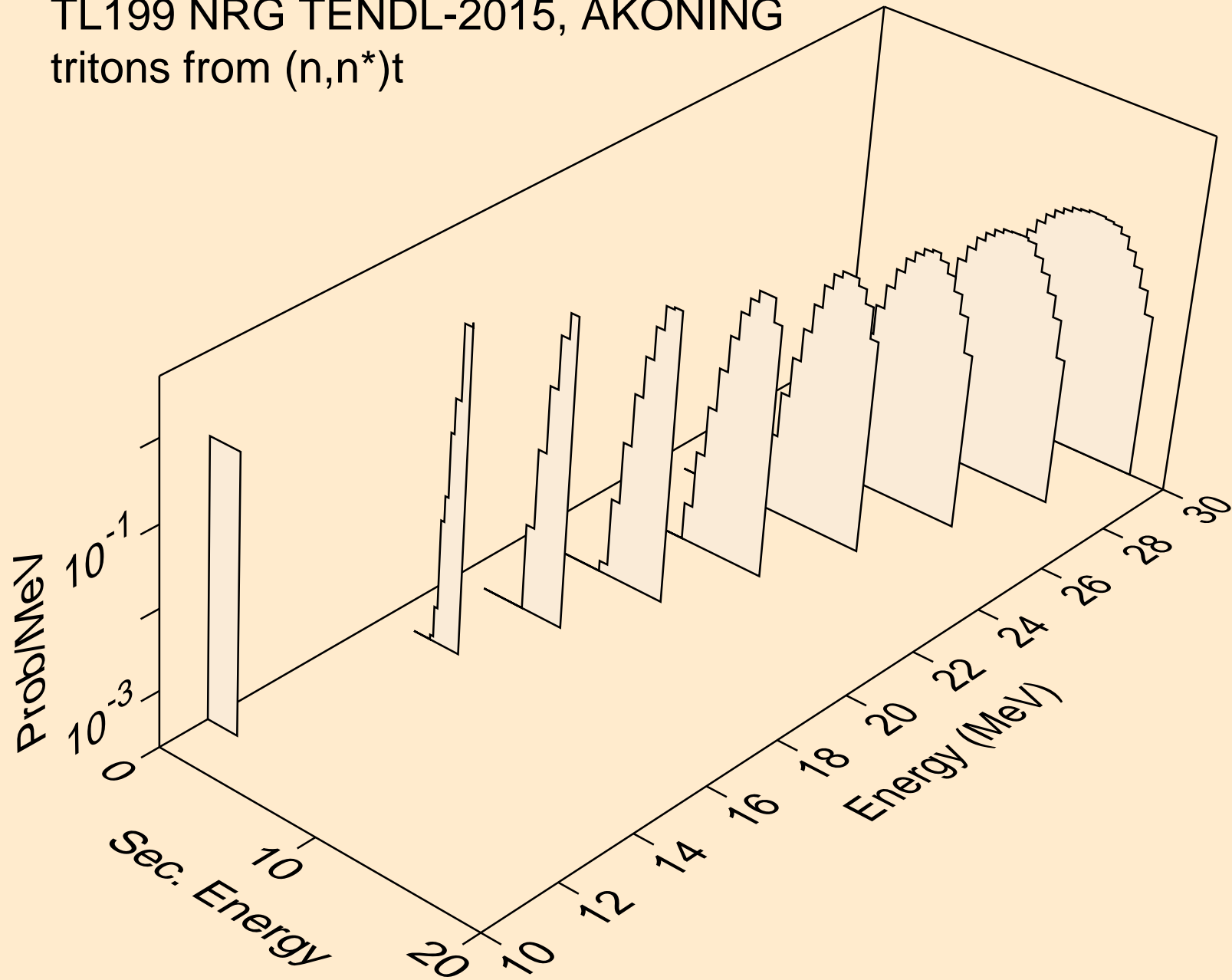
TL199 NRG TENDL-2015, AKONING  
deuterons from (n,da)



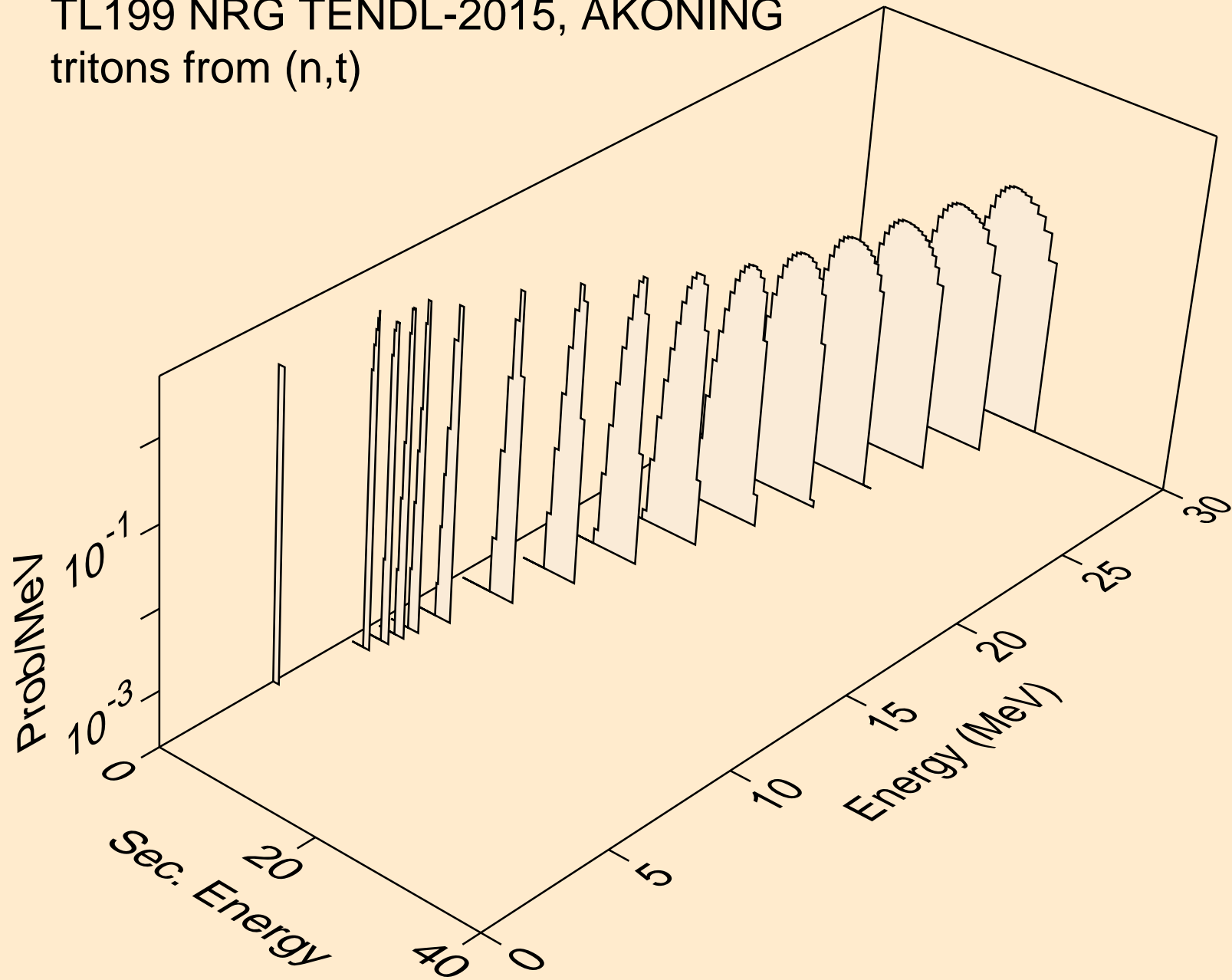
TL199 NRG TENDL-2015, AKONING  
tritons from (n,x)



TL199 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t

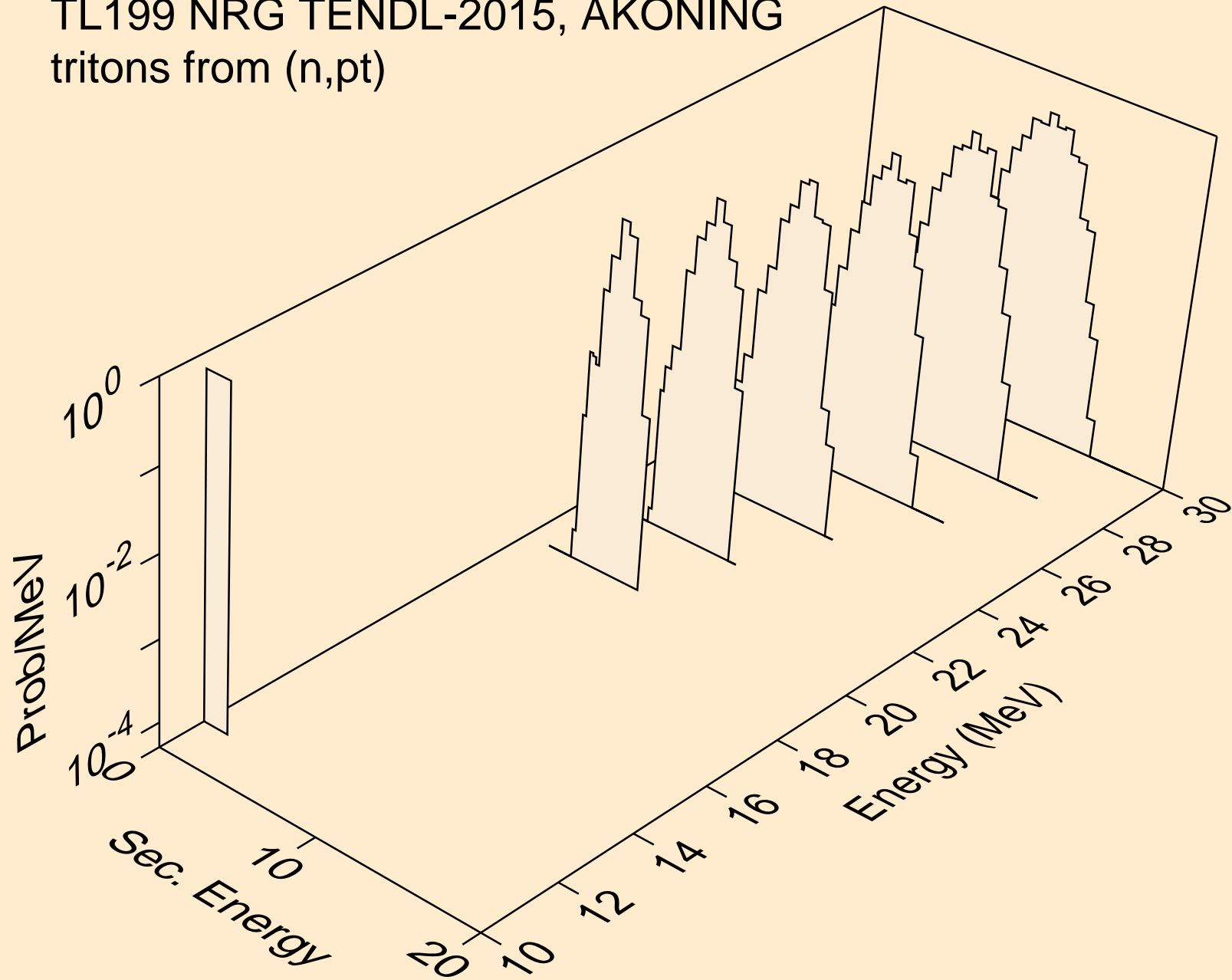


TL199 NRG TENDL-2015, AKONING  
tritons from (n,t)

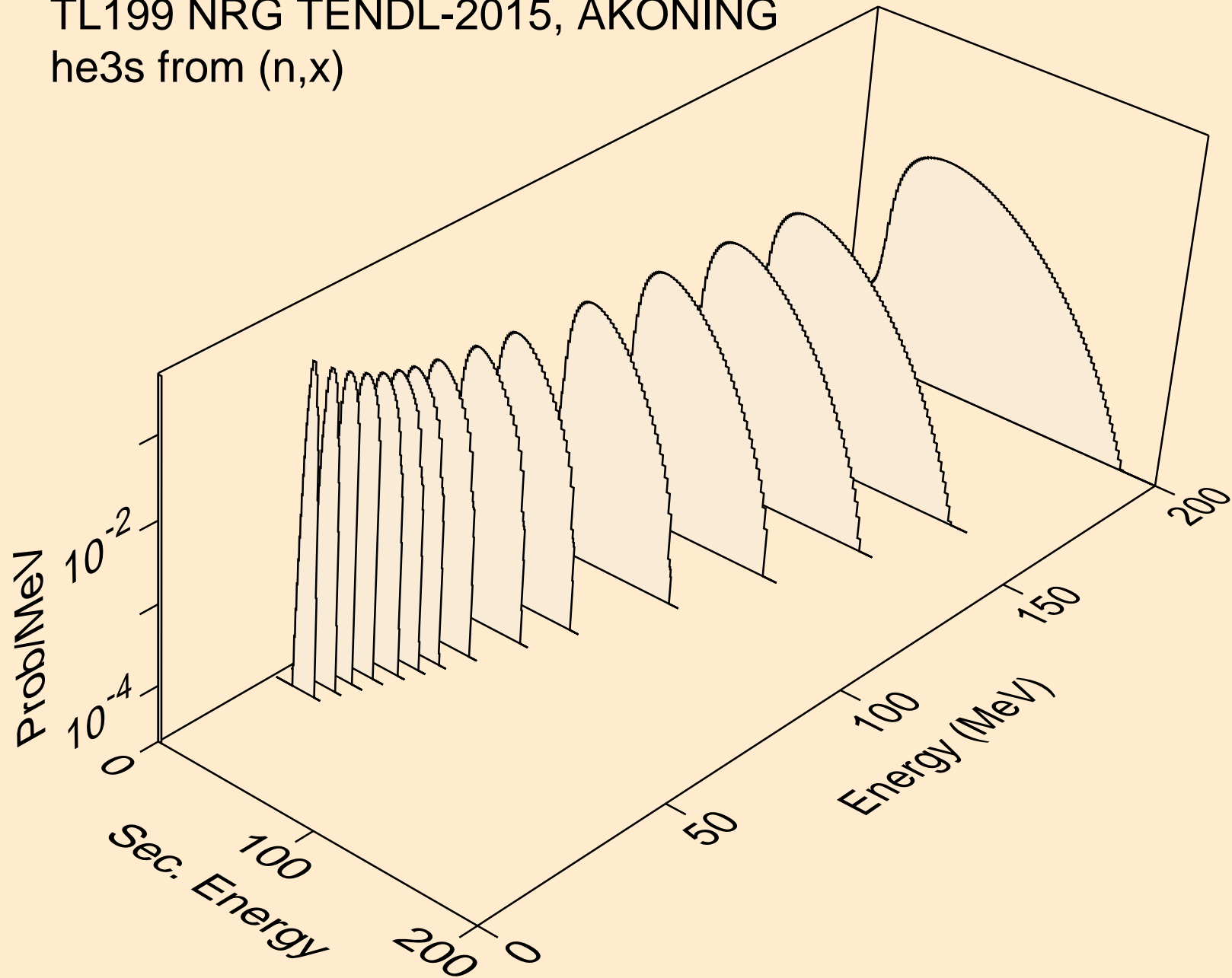




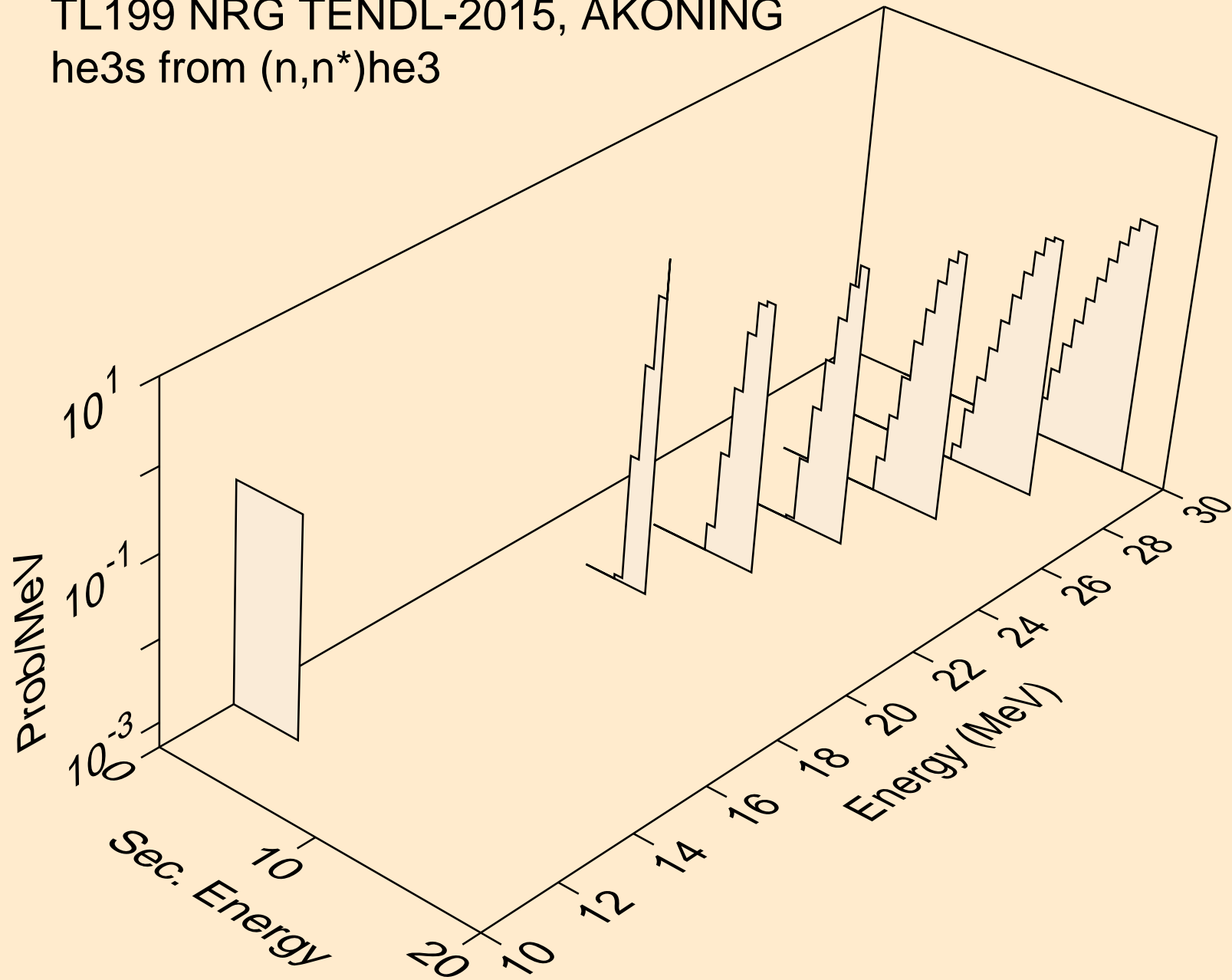
TL199 NRG TENDL-2015, AKONING  
tritons from (n,pt)



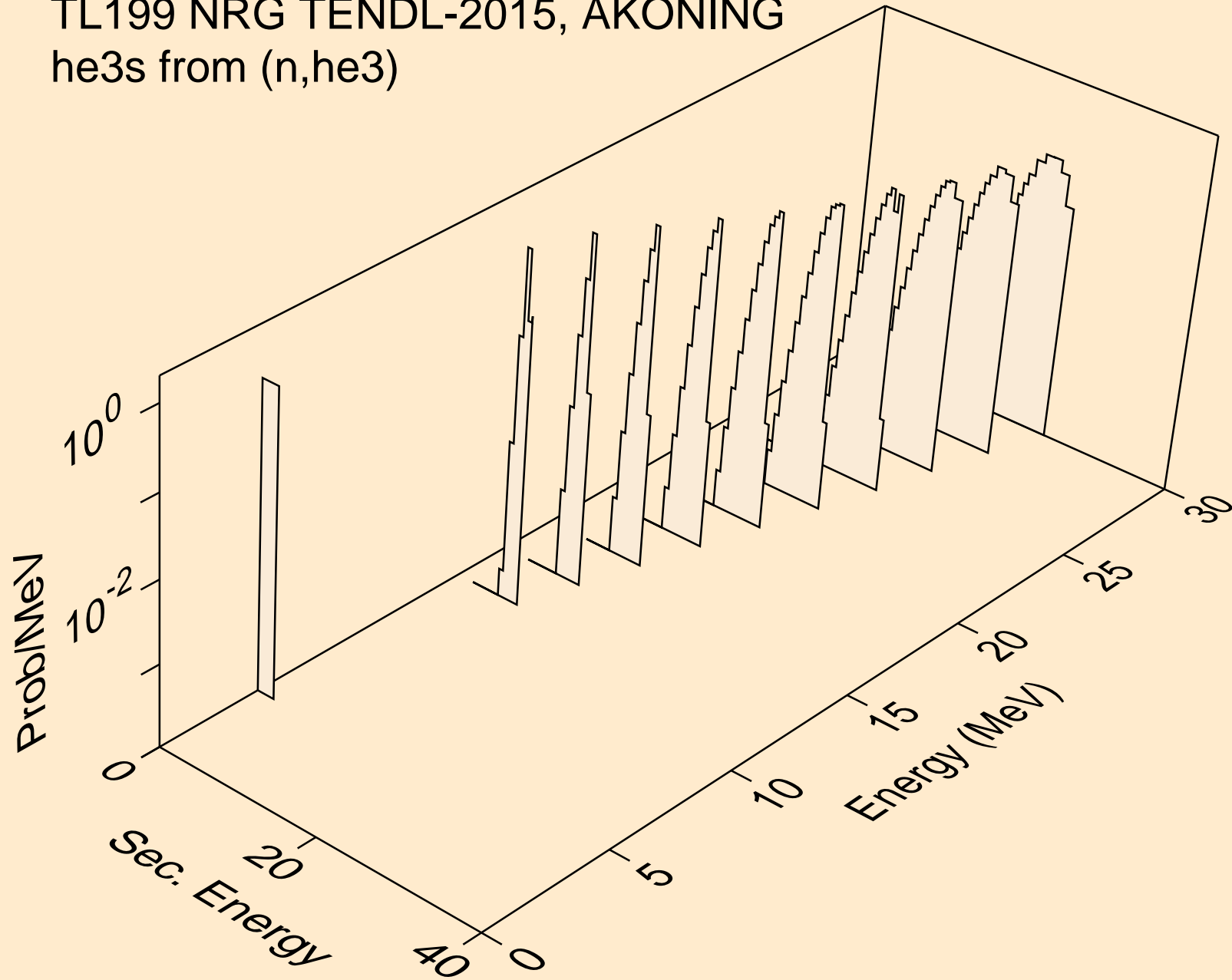
TL199 NRG TENDL-2015, AKONING  
he3s from (n,x)



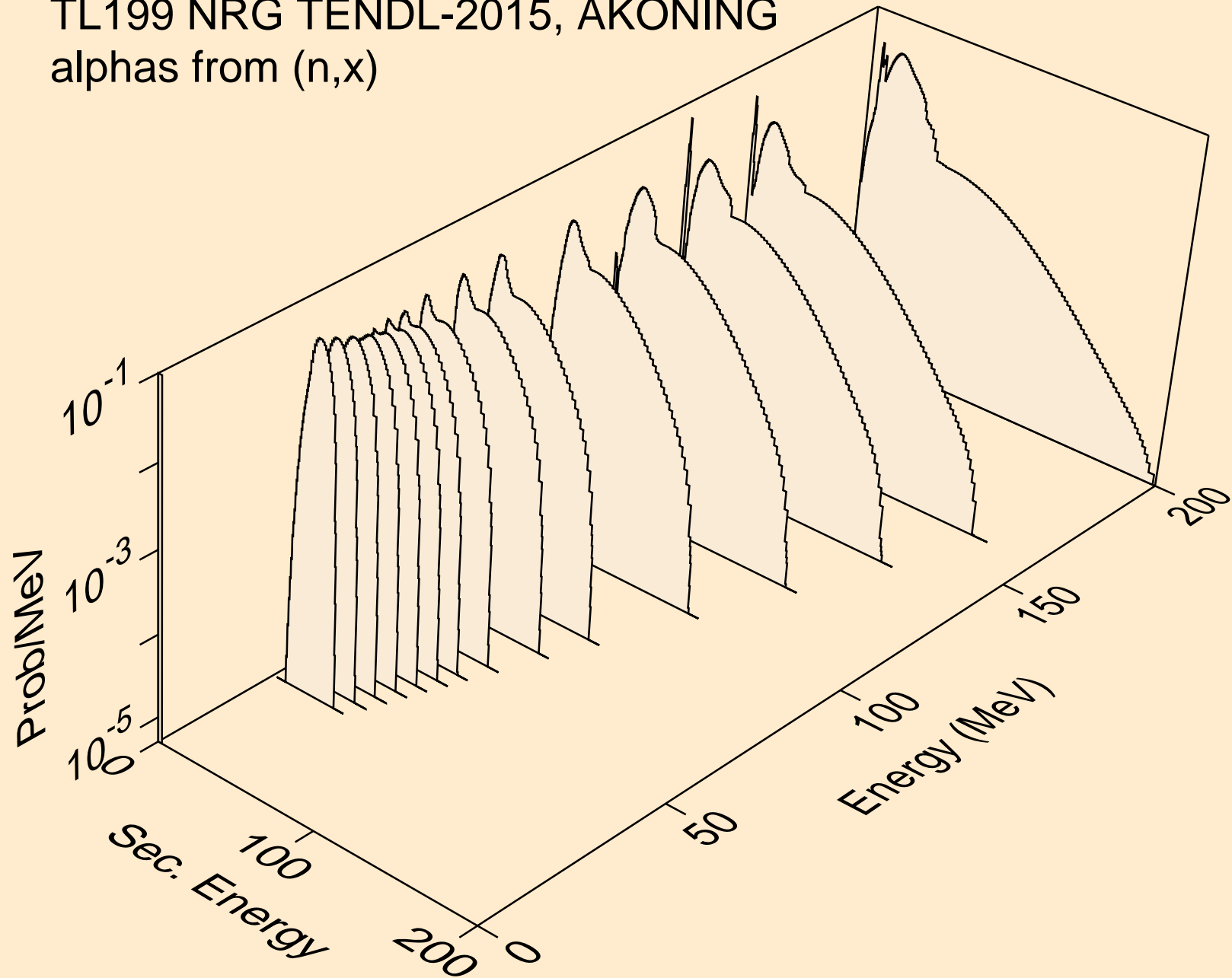
TL199 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



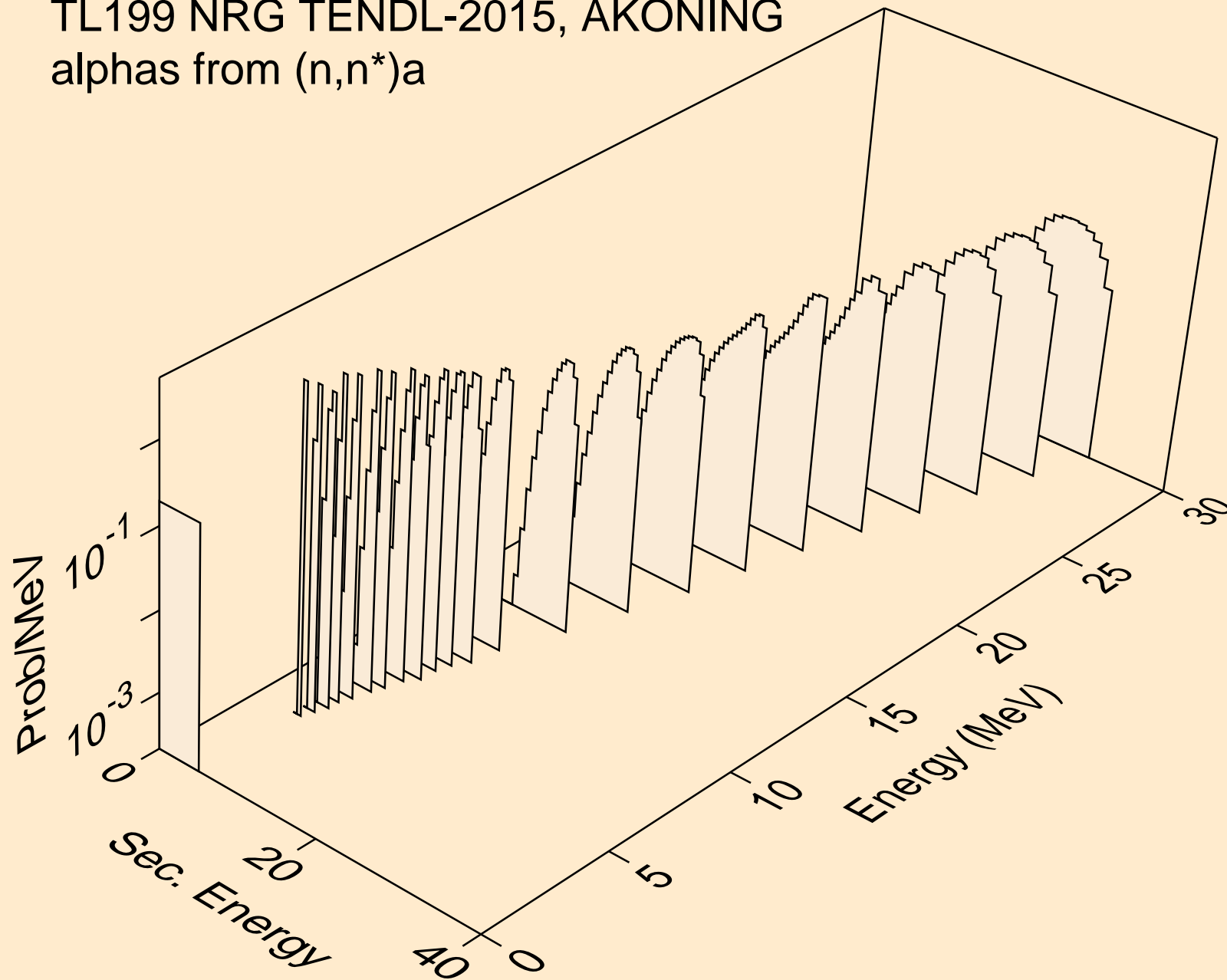
TL199 NRG TENDL-2015, AKONING  
he3s from (n,he3)



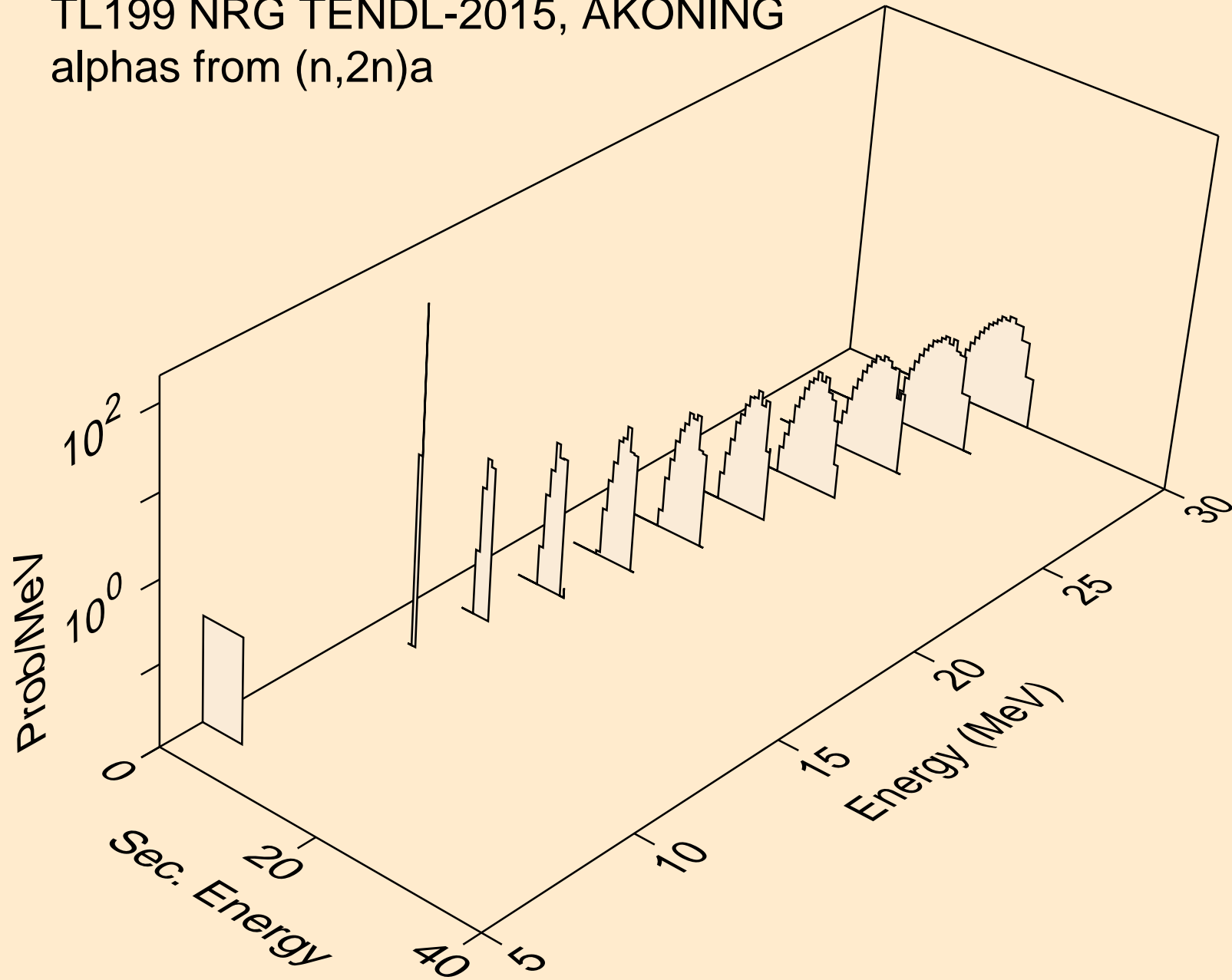
TL199 NRG TENDL-2015, AKONING  
alphas from (n,x)



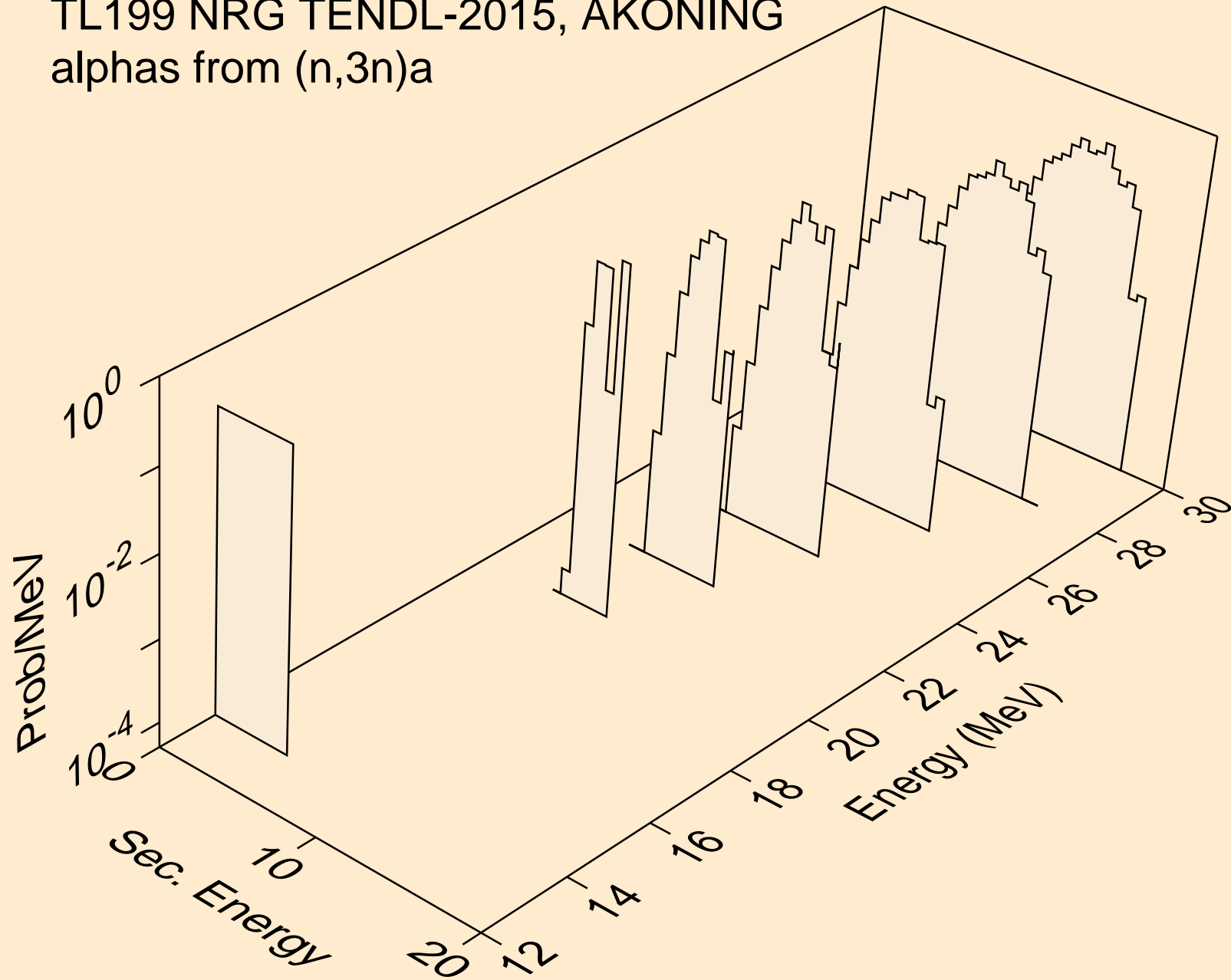
TL199 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



TL199 NRG TENDL-2015, AKONING  
alphas from (n,2n)a

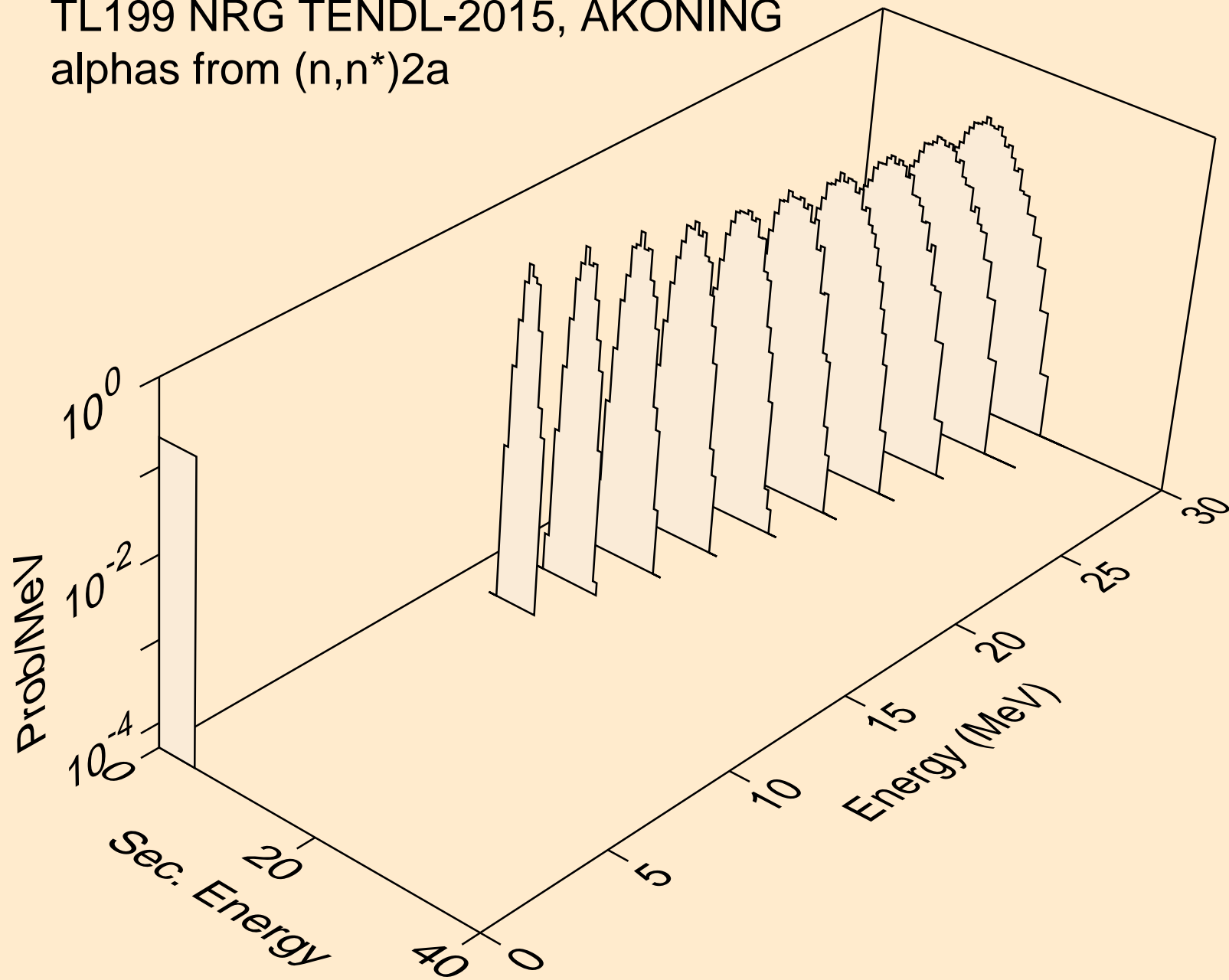


TL199 NRG TENDL-2015, AKONING  
alphas from (n,3n)a

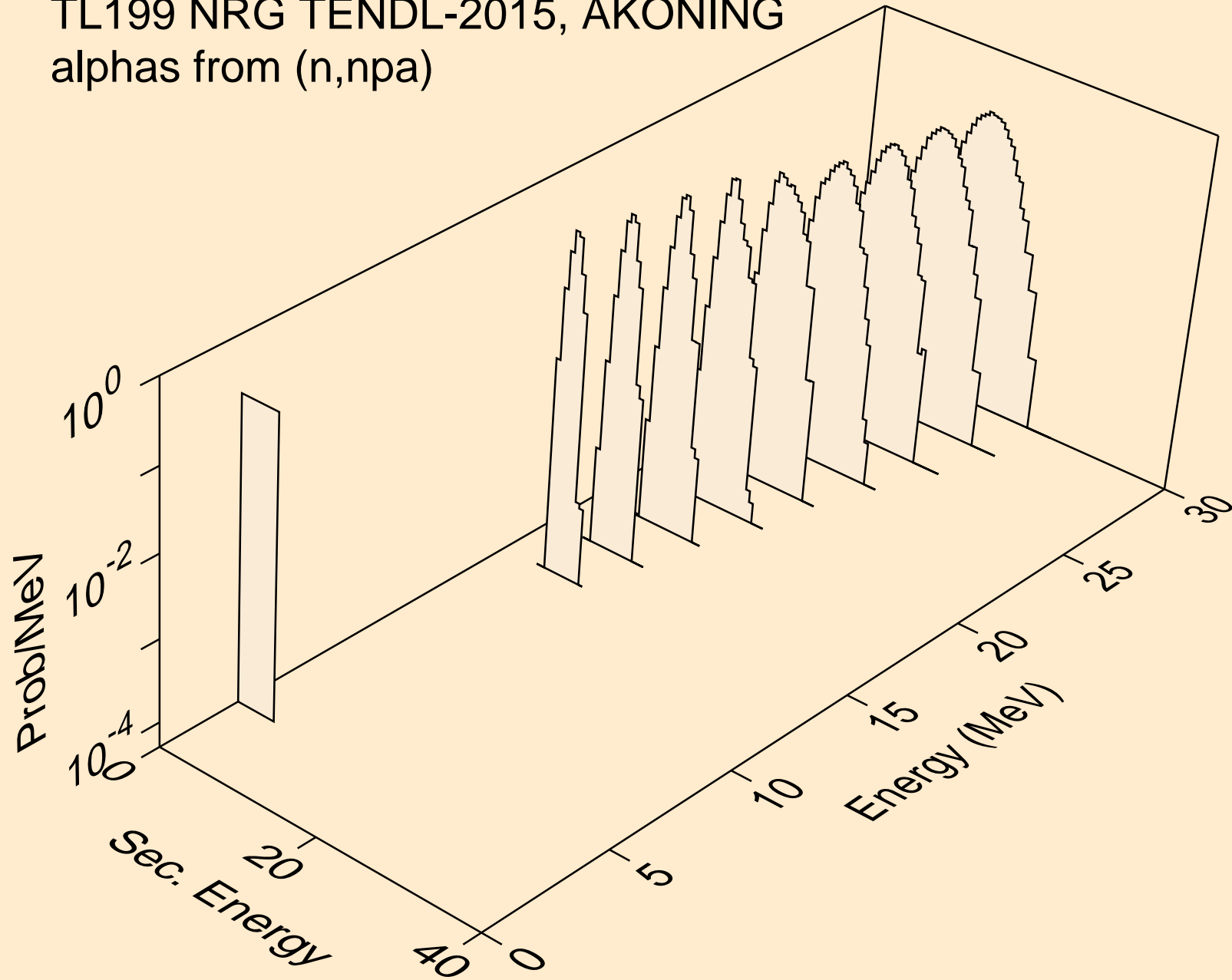




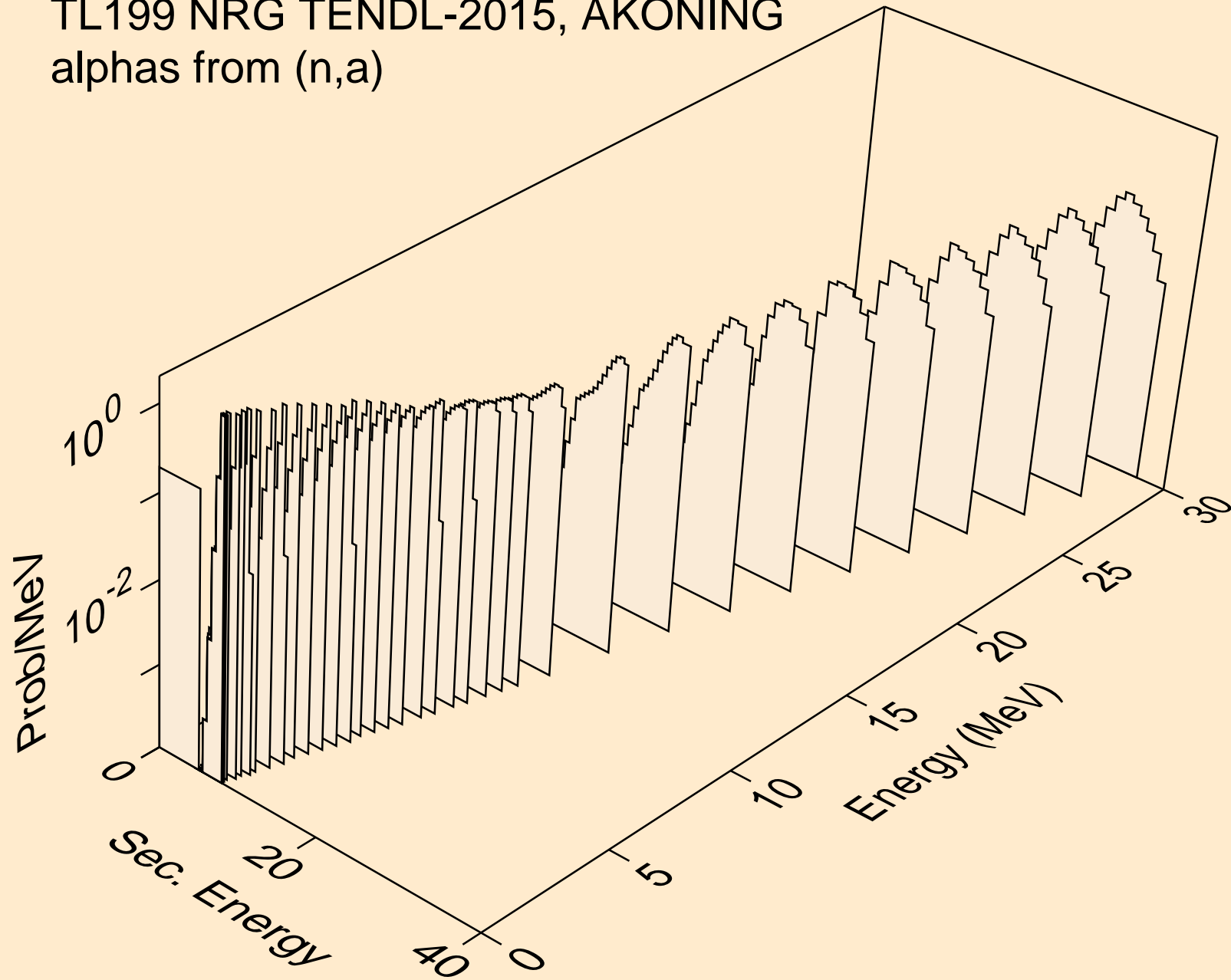
TL199 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



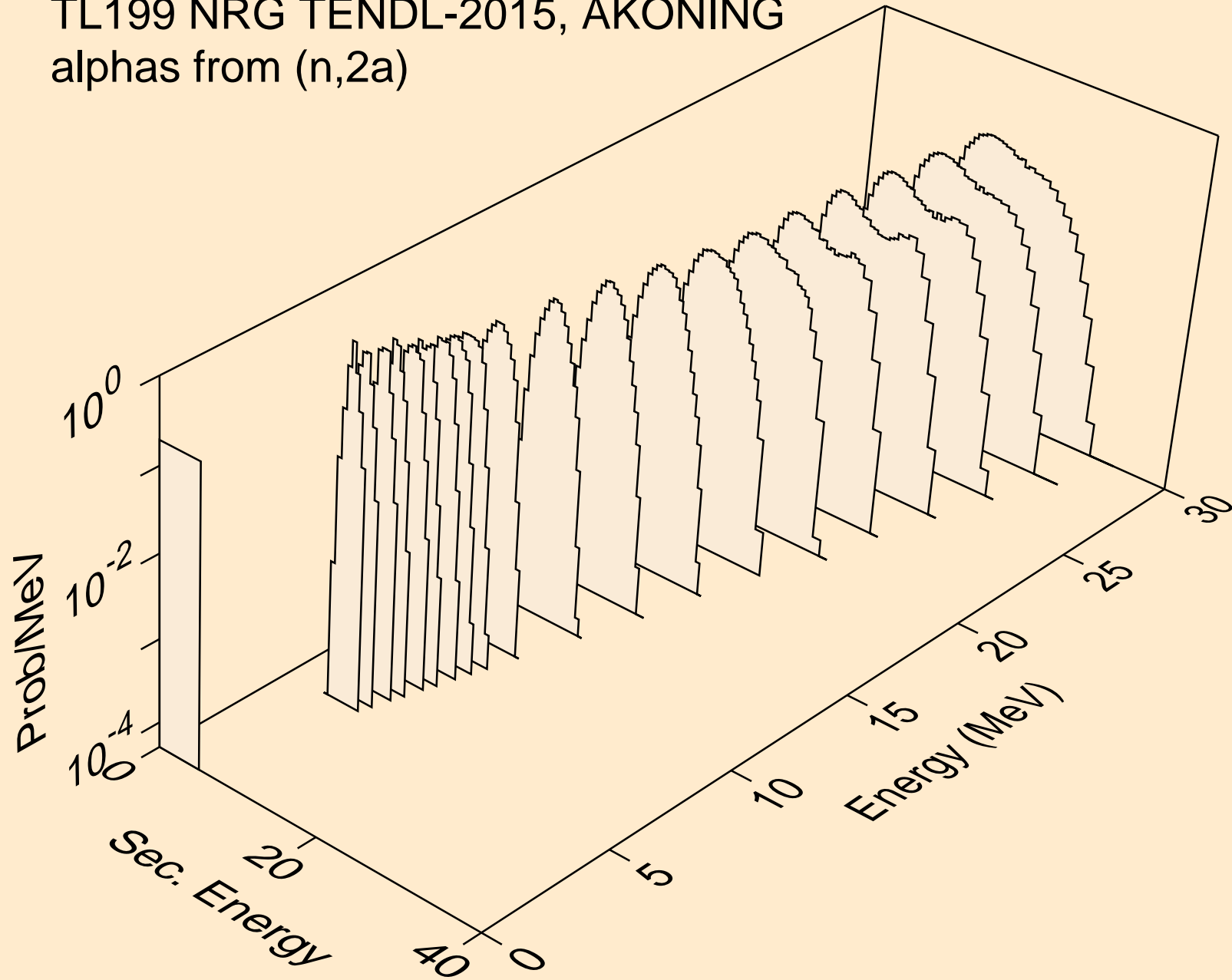
TL199 NRG TENDL-2015, AKONING  
alphas from (n,npa)



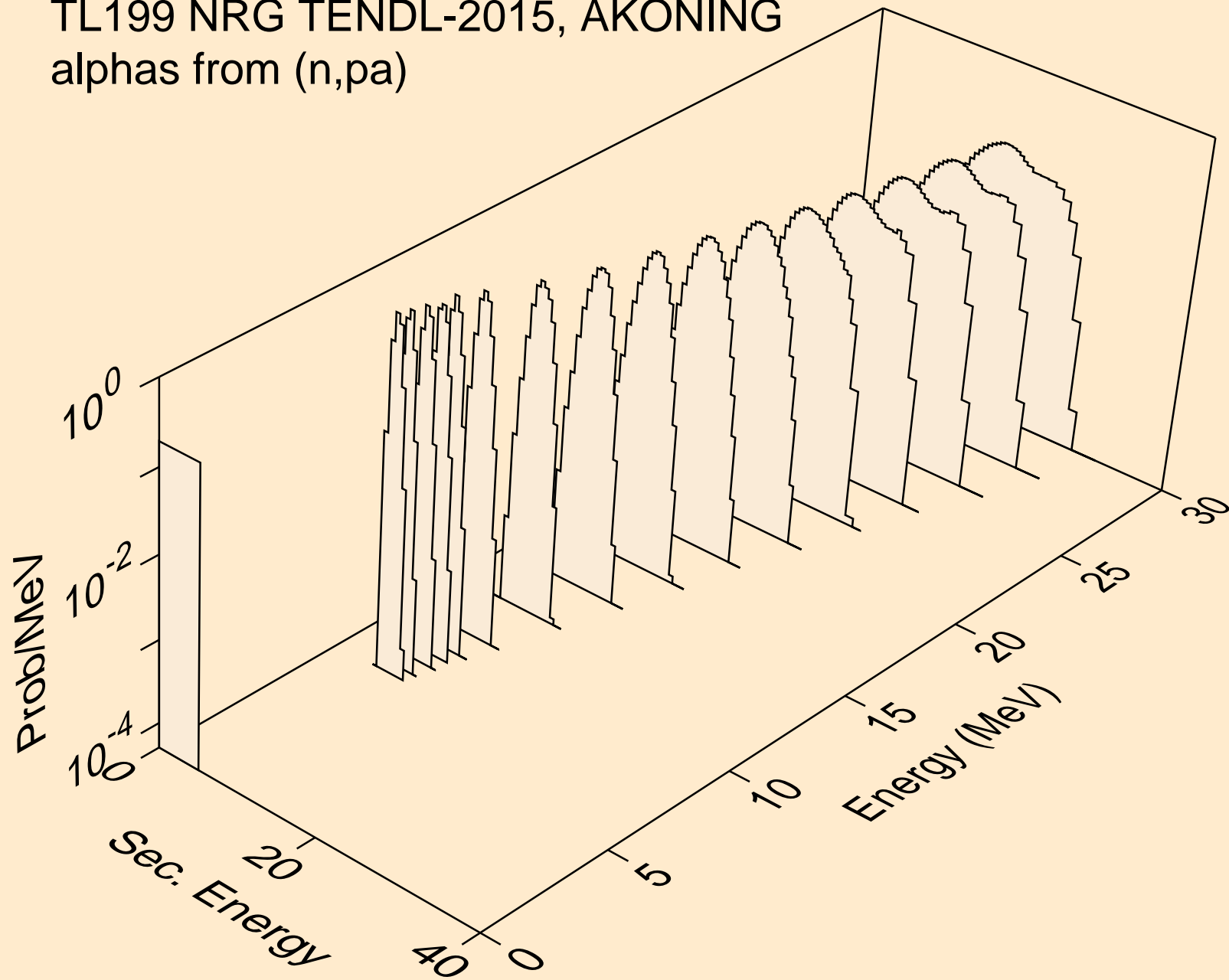
TL199 NRG TENDL-2015, AKONING  
alphas from (n,a)



TL199 NRG TENDL-2015, AKONING  
alphas from (n,2a)



TL199 NRG TENDL-2015, AKONING  
alphas from (n,pa)



TL199 NRG TENDL-2015, AKONING  
alphas from (n,da)

