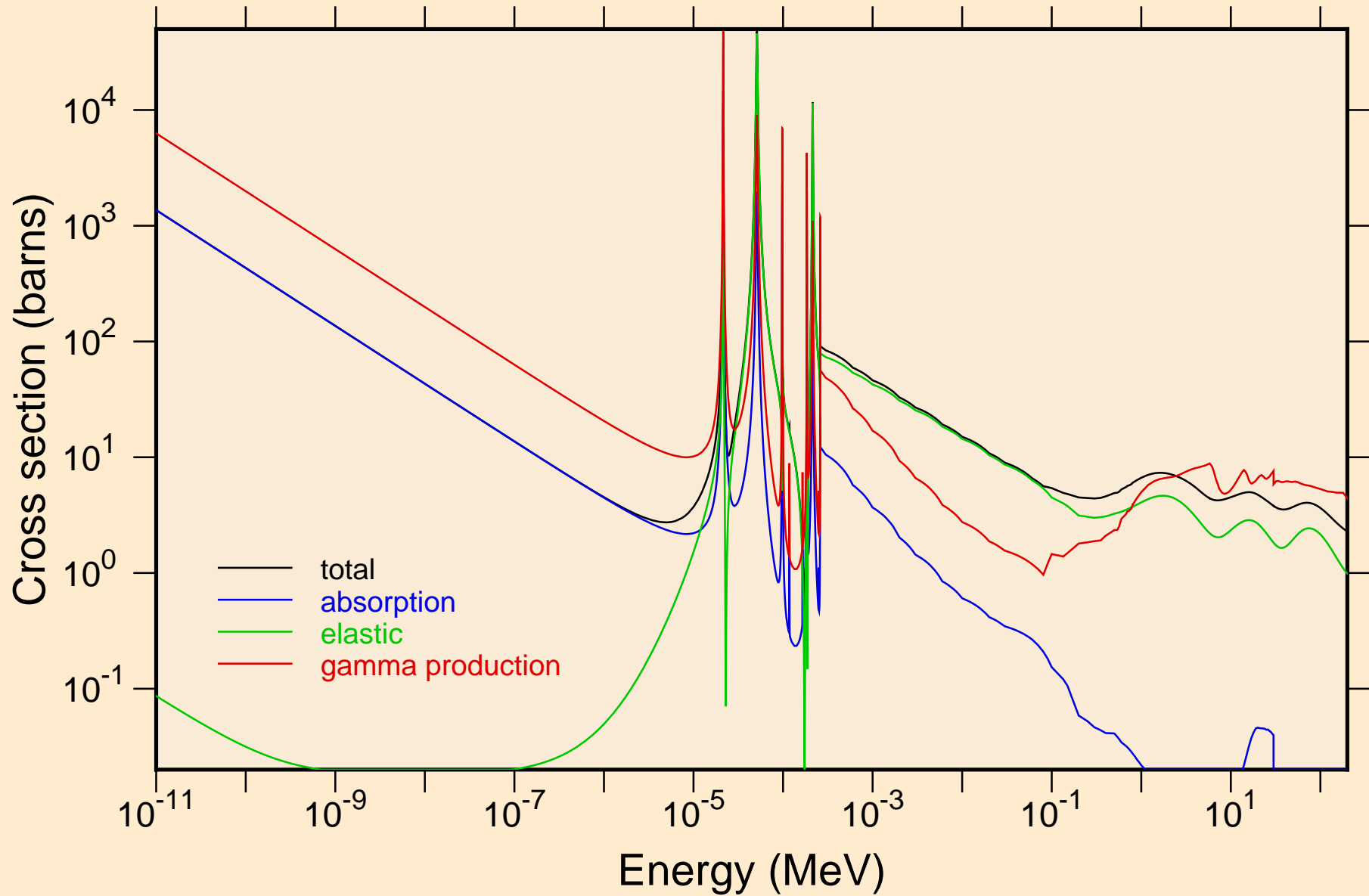
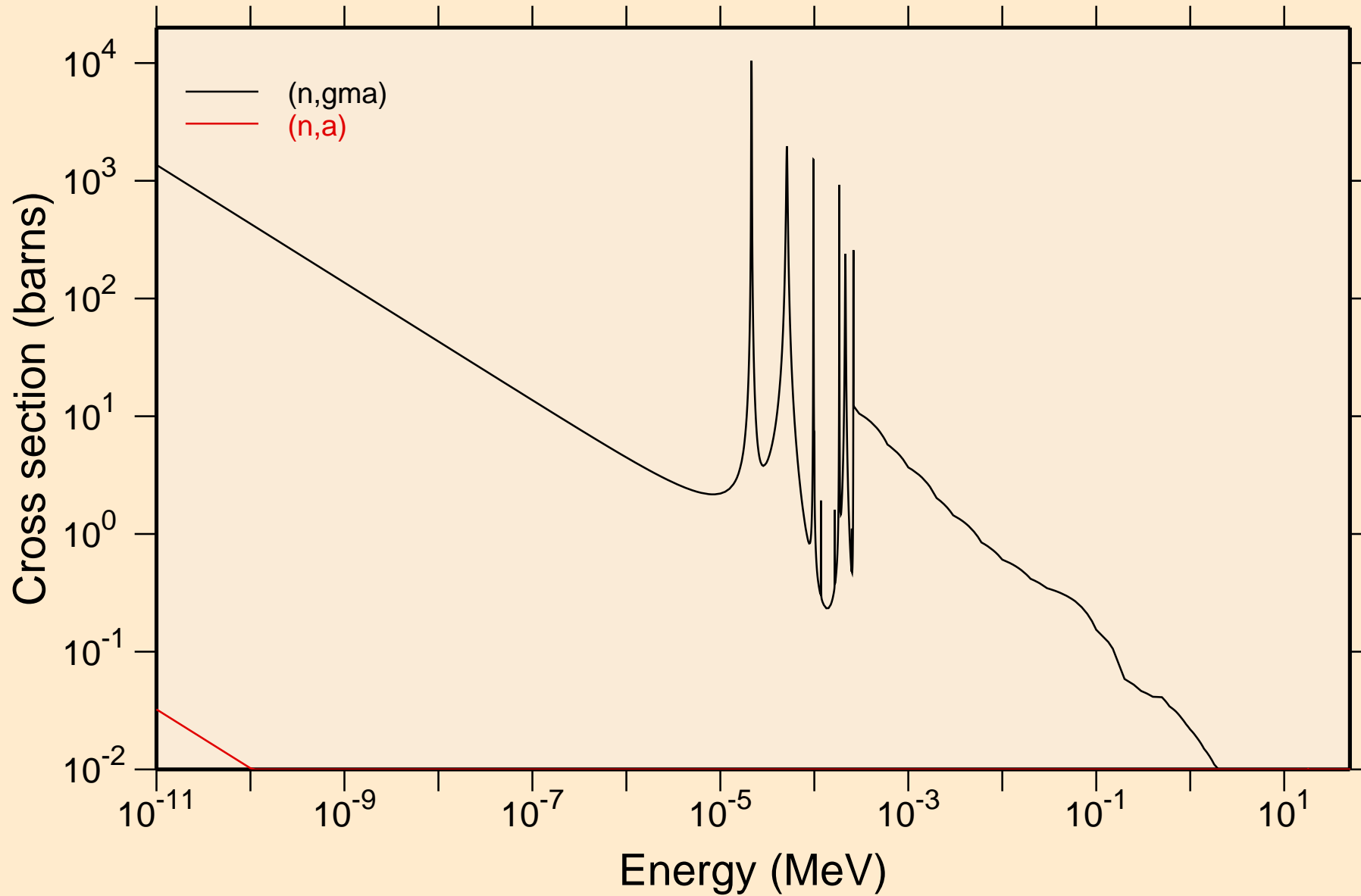


# PR144 NRG TENDL-2015, AKONING

## Principal cross sections

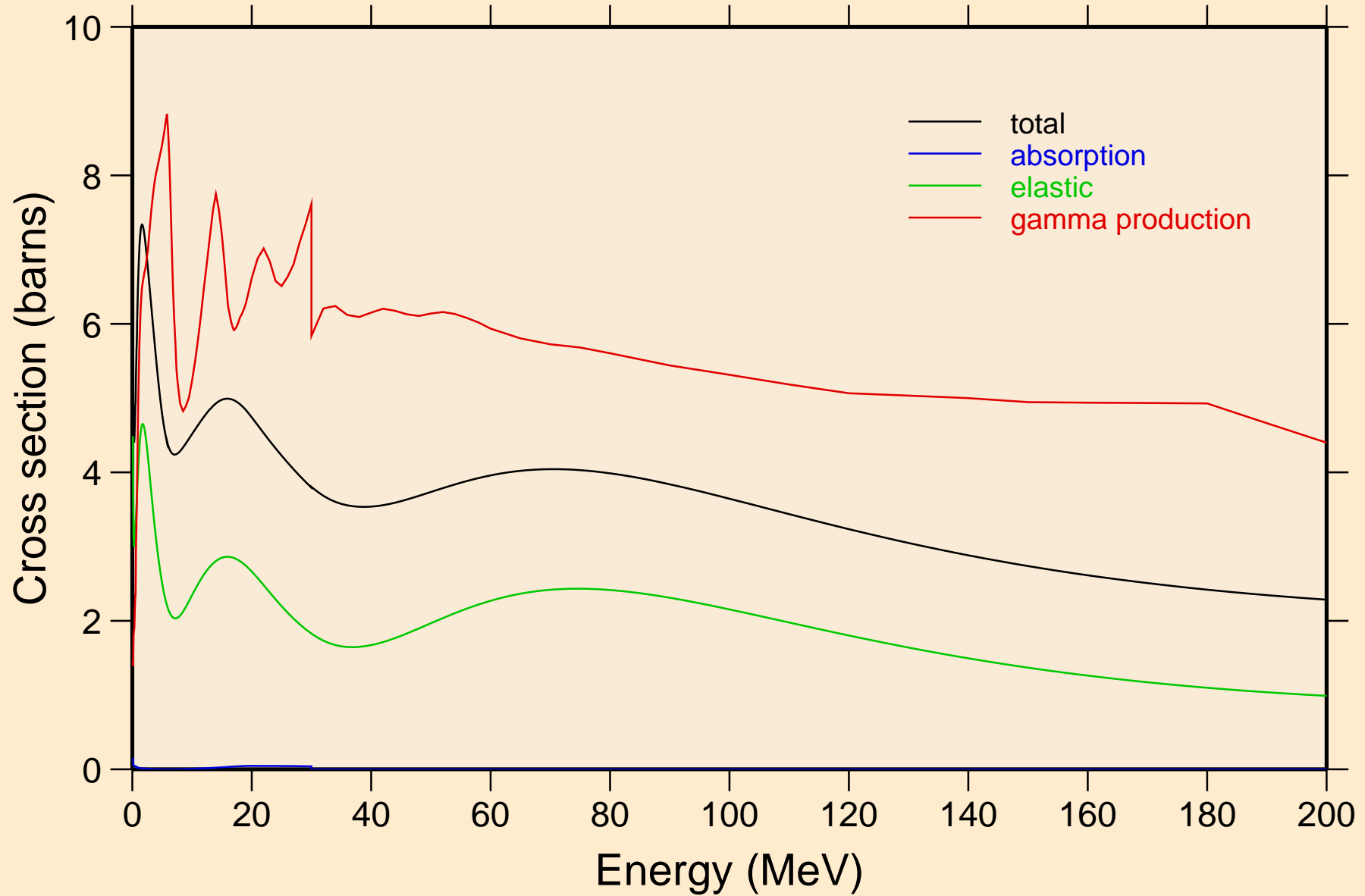


PR144 NRG TENDL-2015, AKONING  
Non-threshold reactions

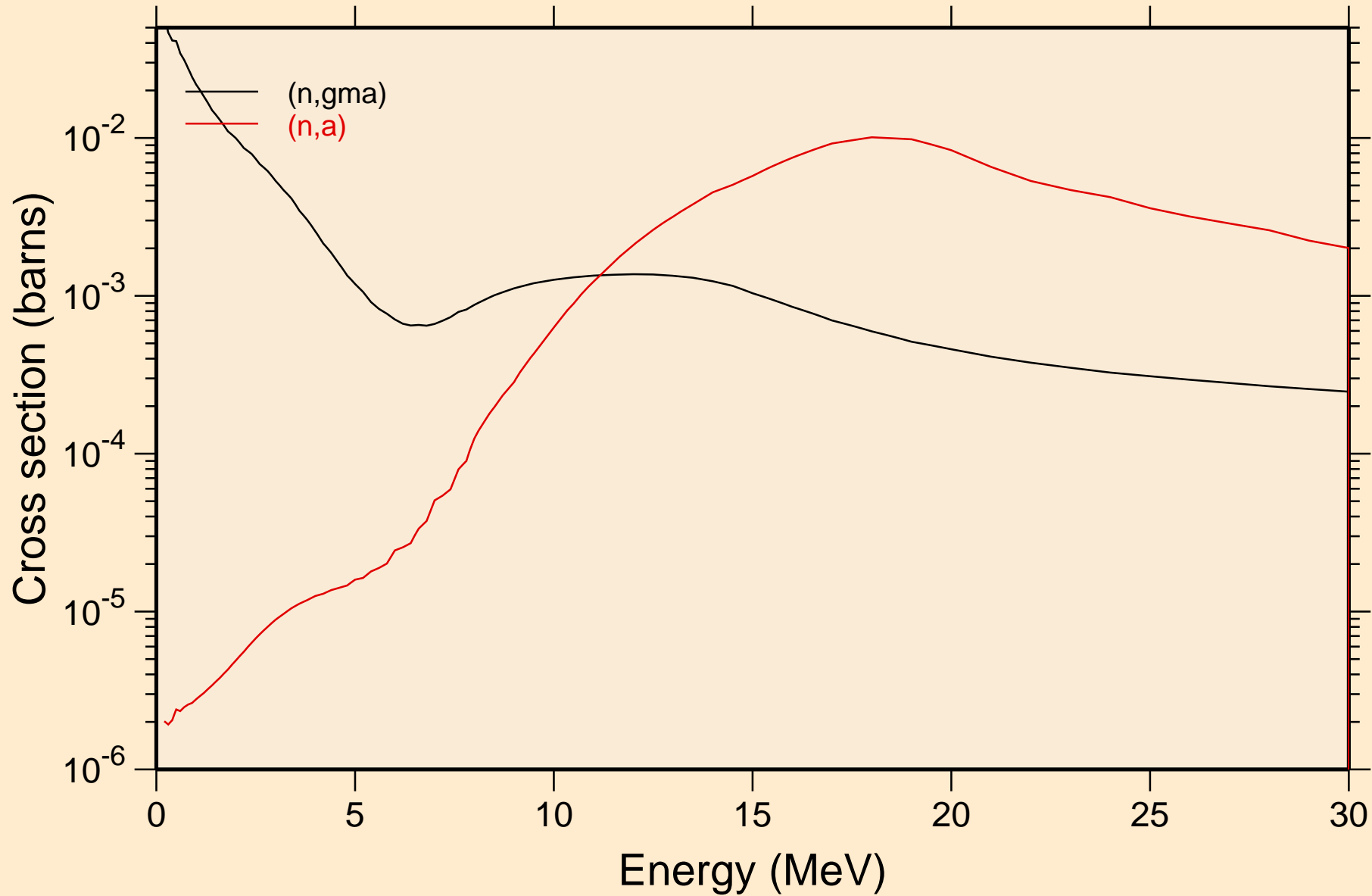


# PR144 NRG TENDL-2015, AKONING

## Principal cross sections

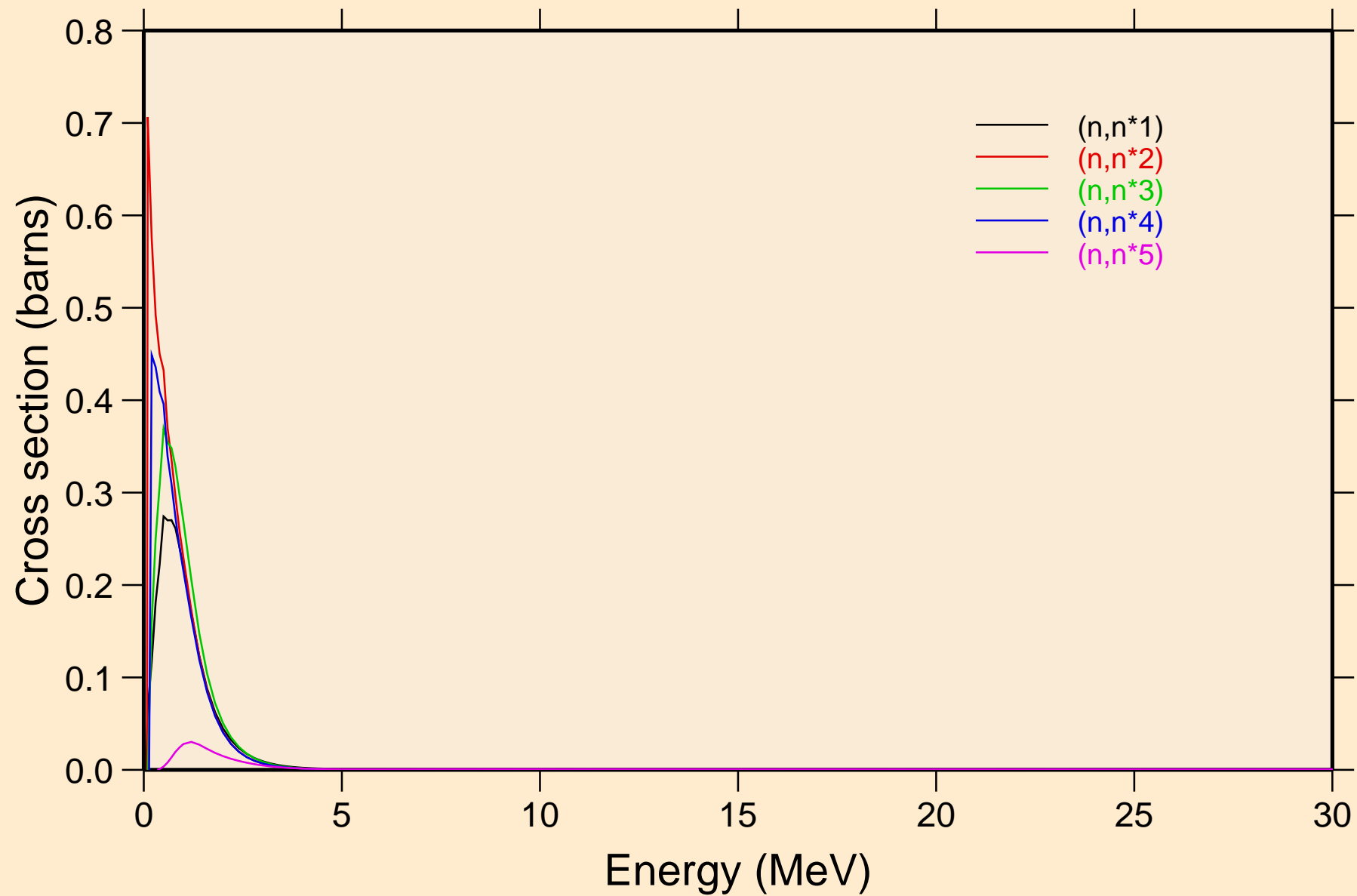


PR144 NRG TENDL-2015, AKONING  
Non-threshold reactions



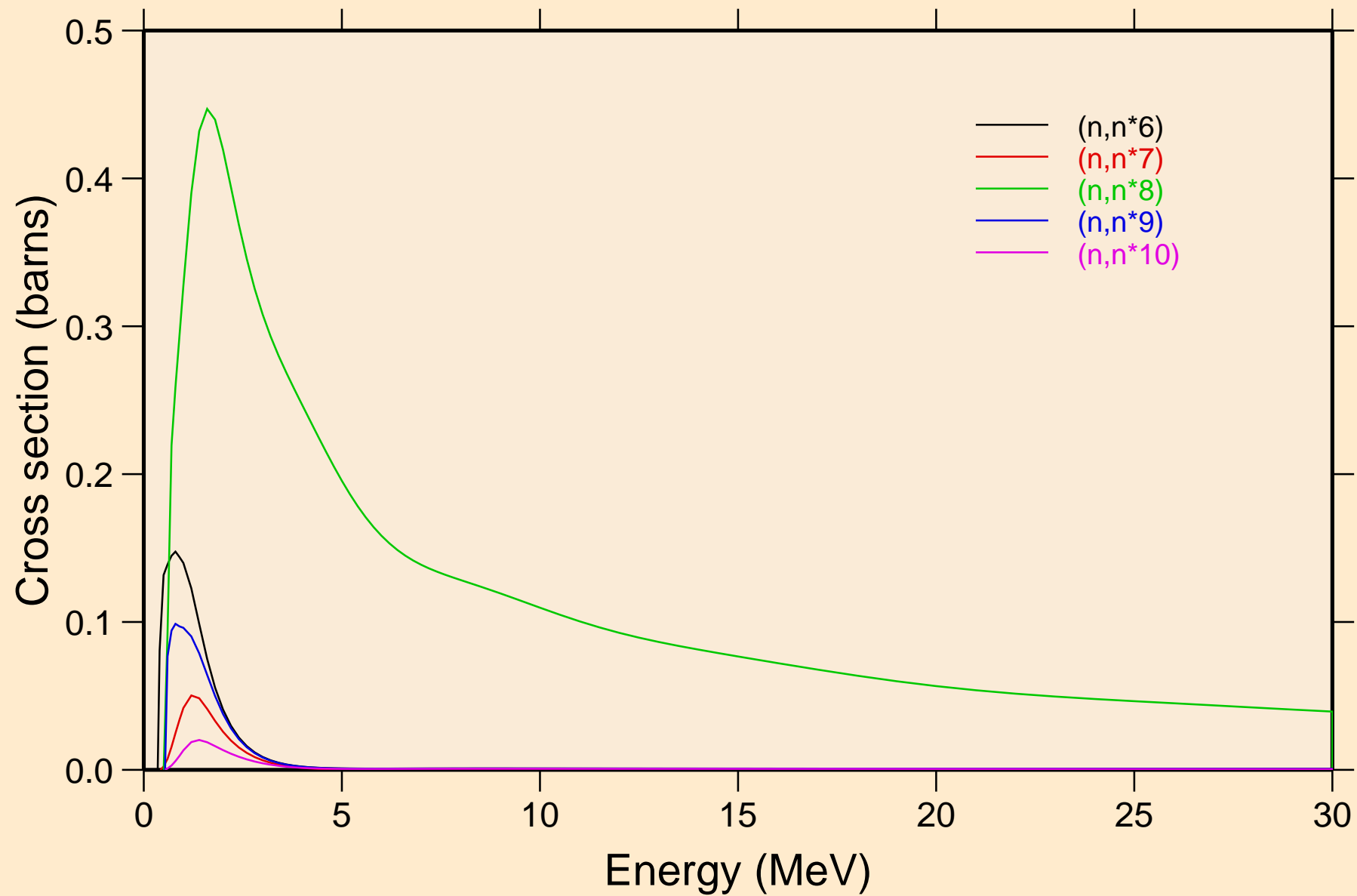
# PR144 NRG TENDL-2015, AKONING

## Inelastic levels



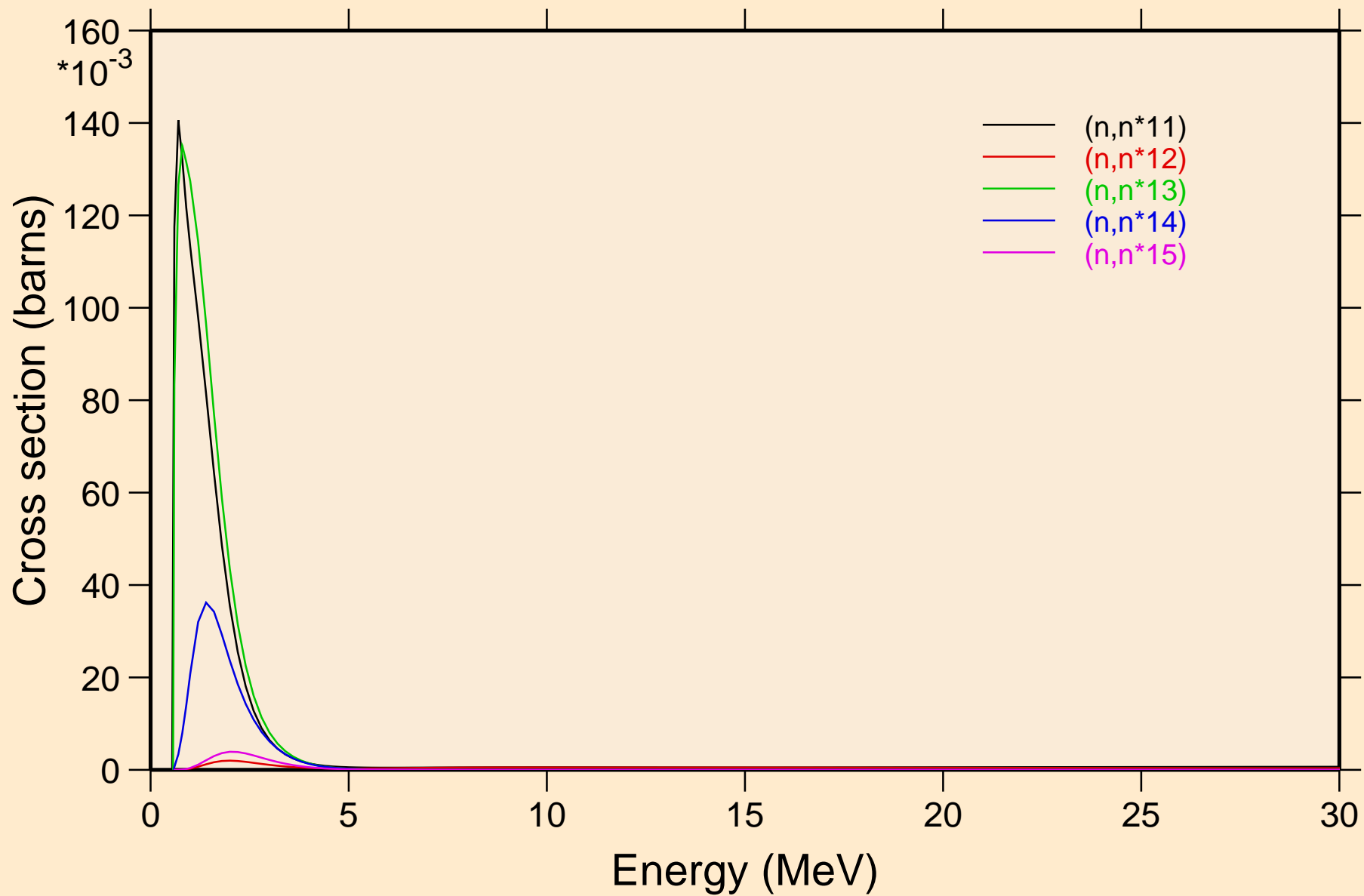
# PR144 NRG TENDL-2015, AKONING

## Inelastic levels



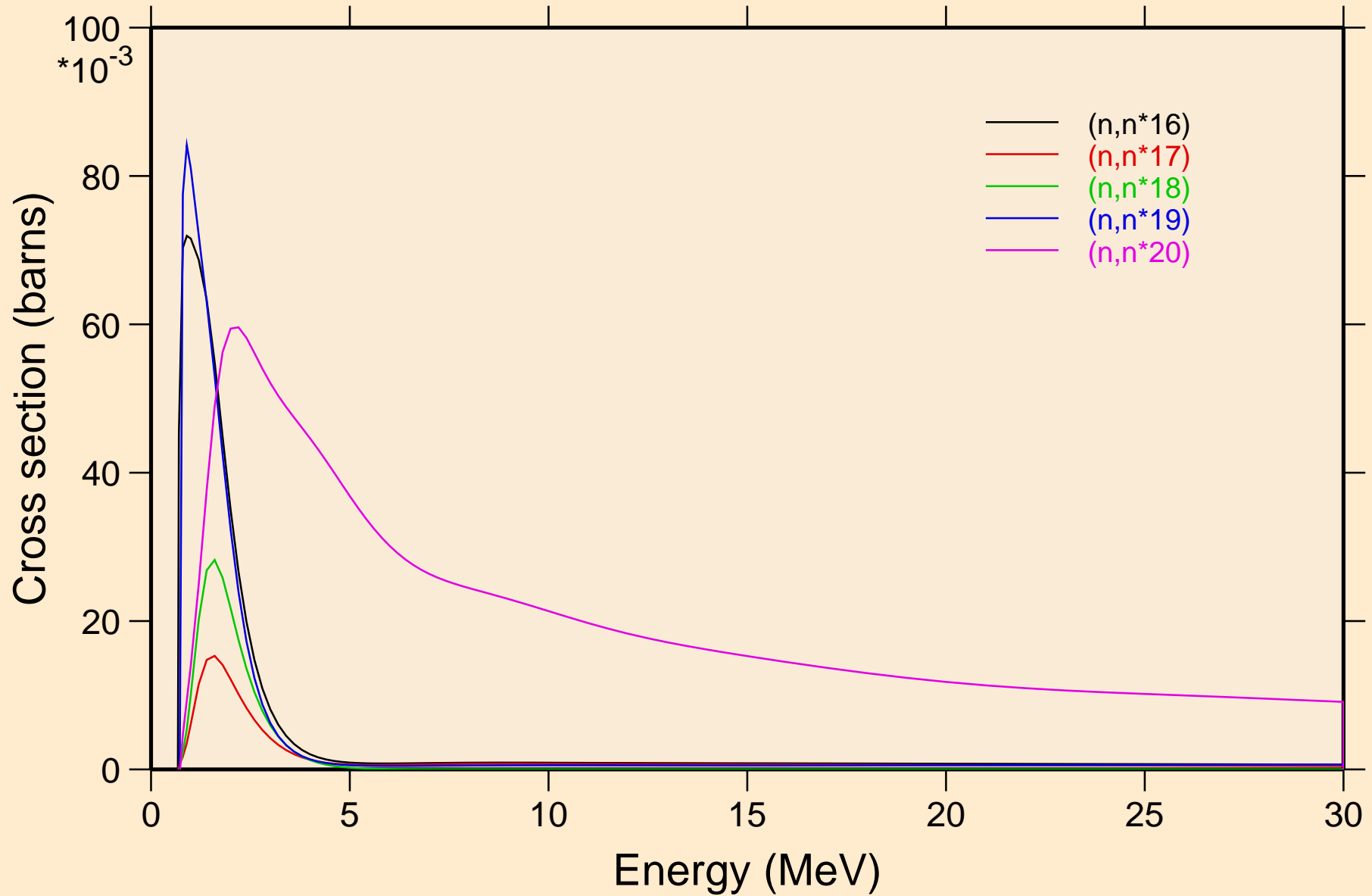
# PR144 NRG TENDL-2015, AKONING

## Inelastic levels



# PR144 NRG TENDL-2015, AKONING

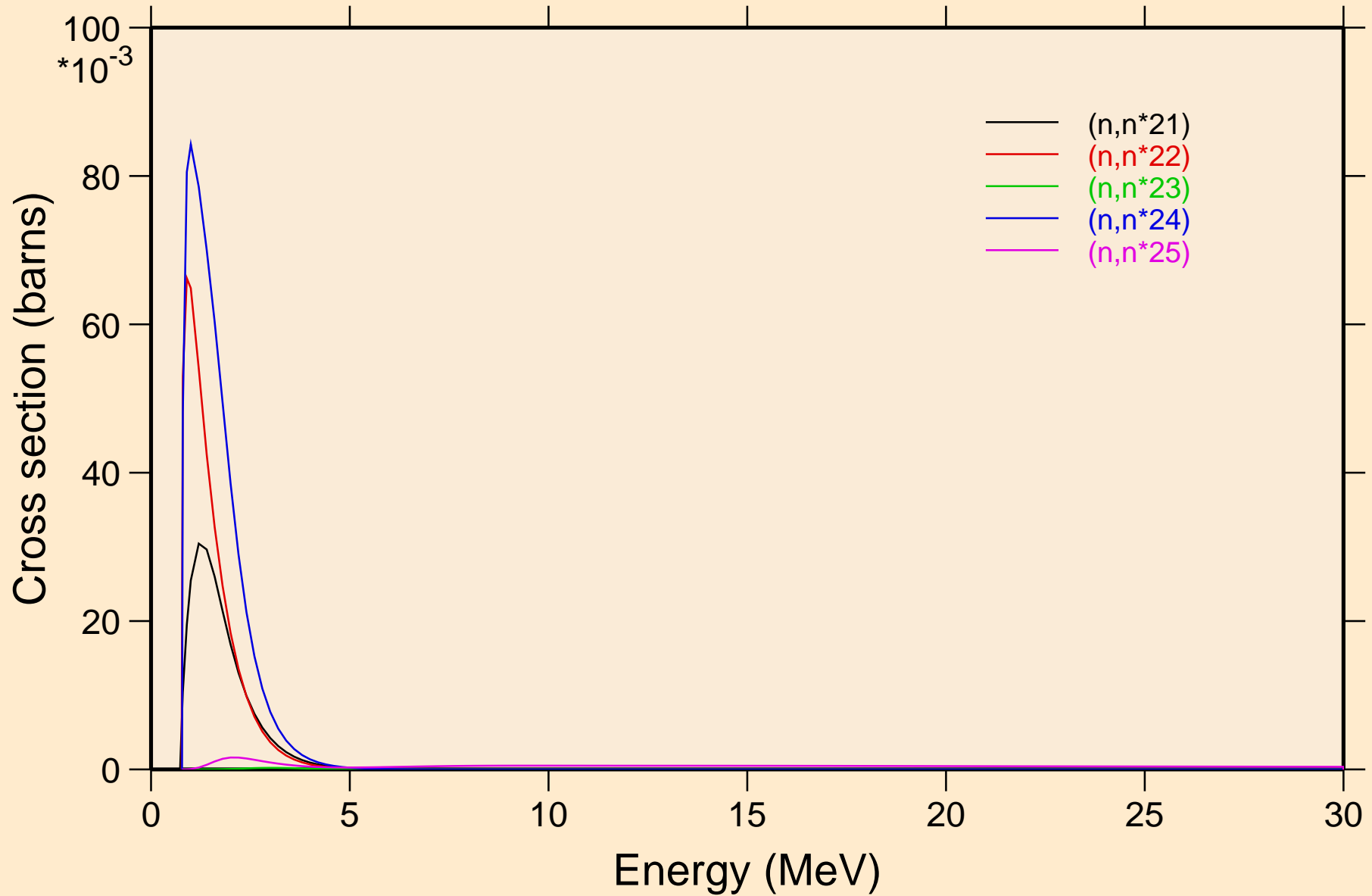
## Inelastic levels





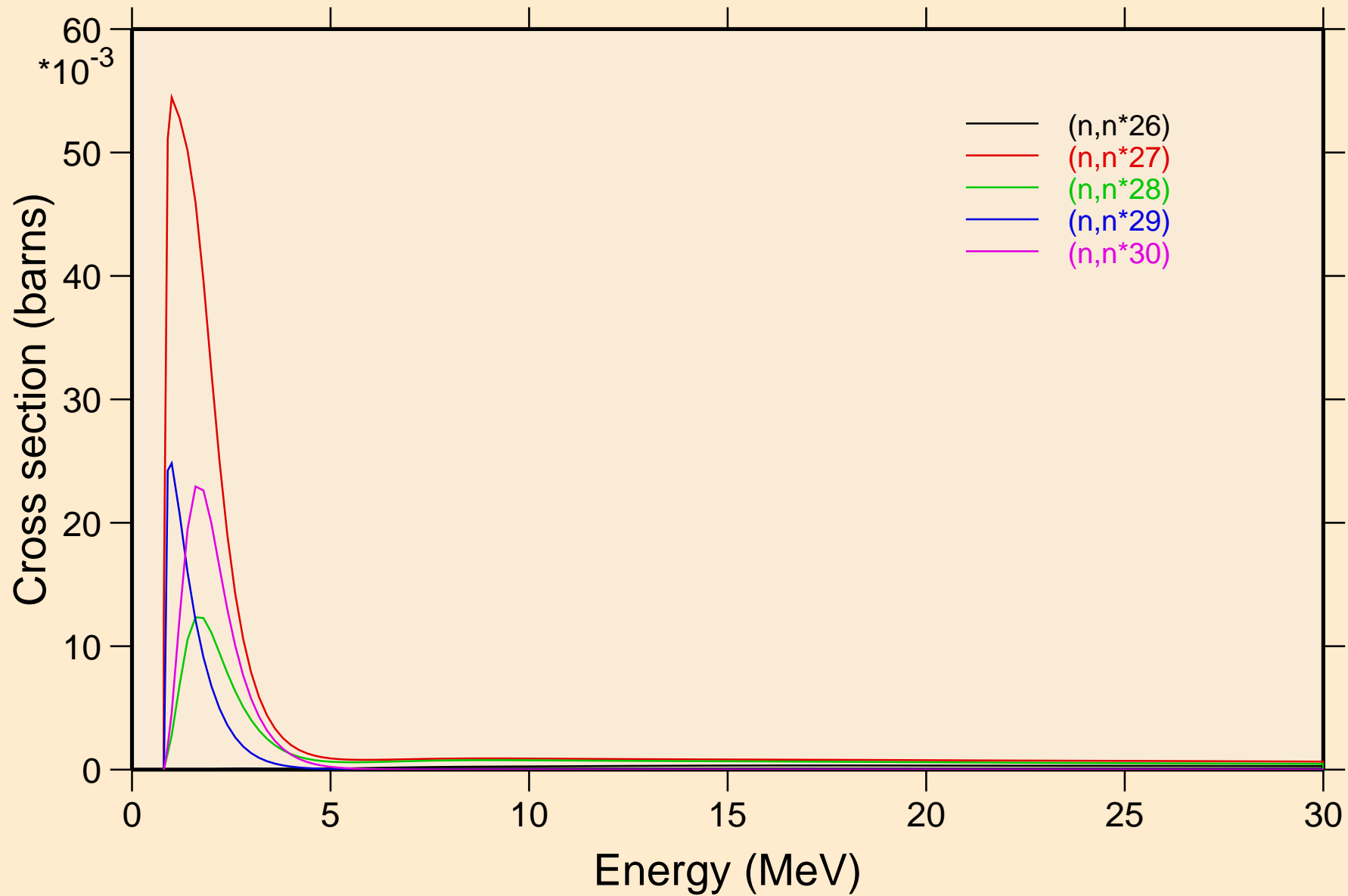
# PR144 NRG TENDL-2015, AKONING

## Inelastic levels



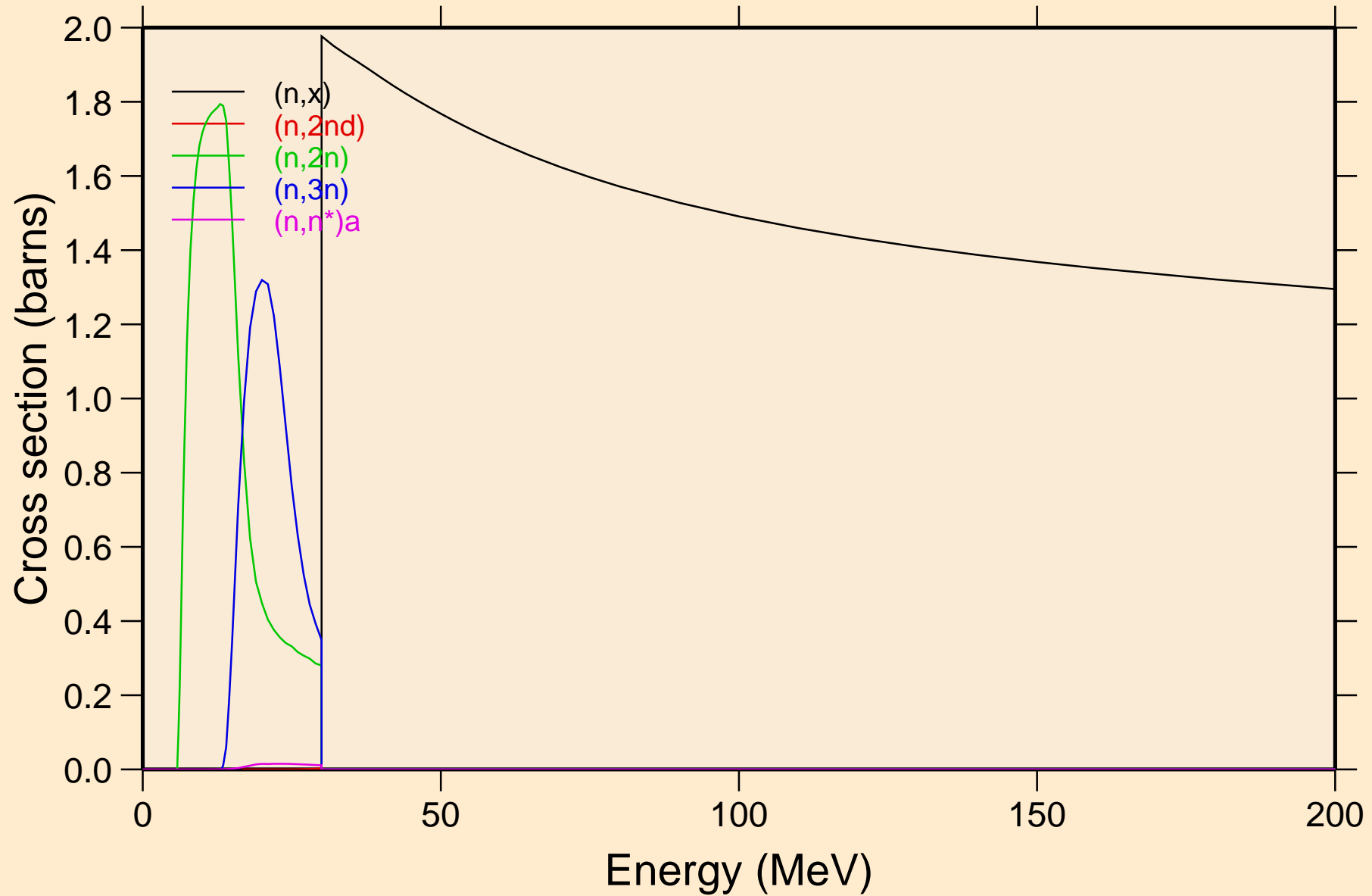
# PR144 NRG TENDL-2015, AKONING

## Inelastic levels



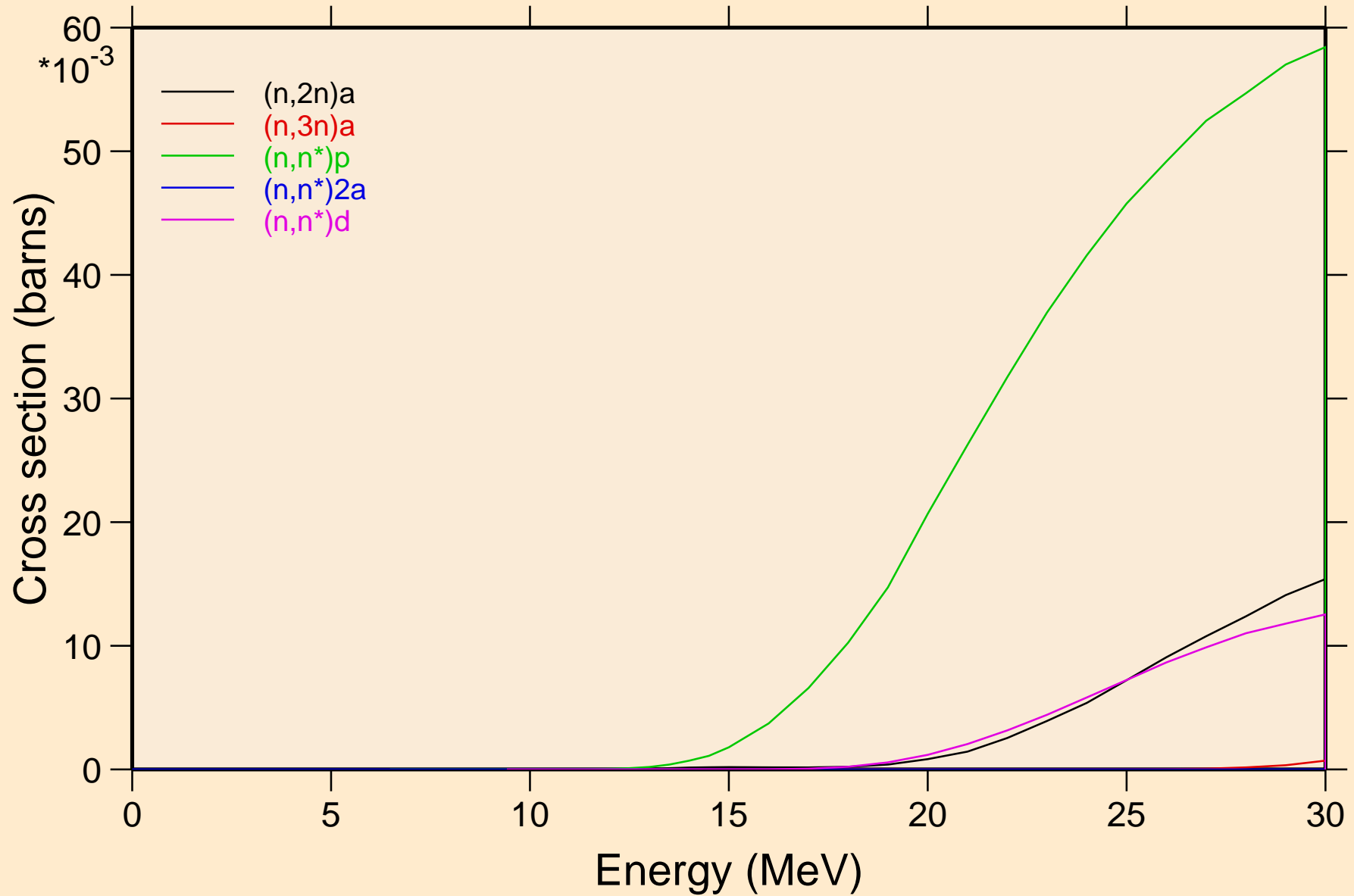
# PR144 NRG TENDL-2015, AKONING

## Threshold reactions



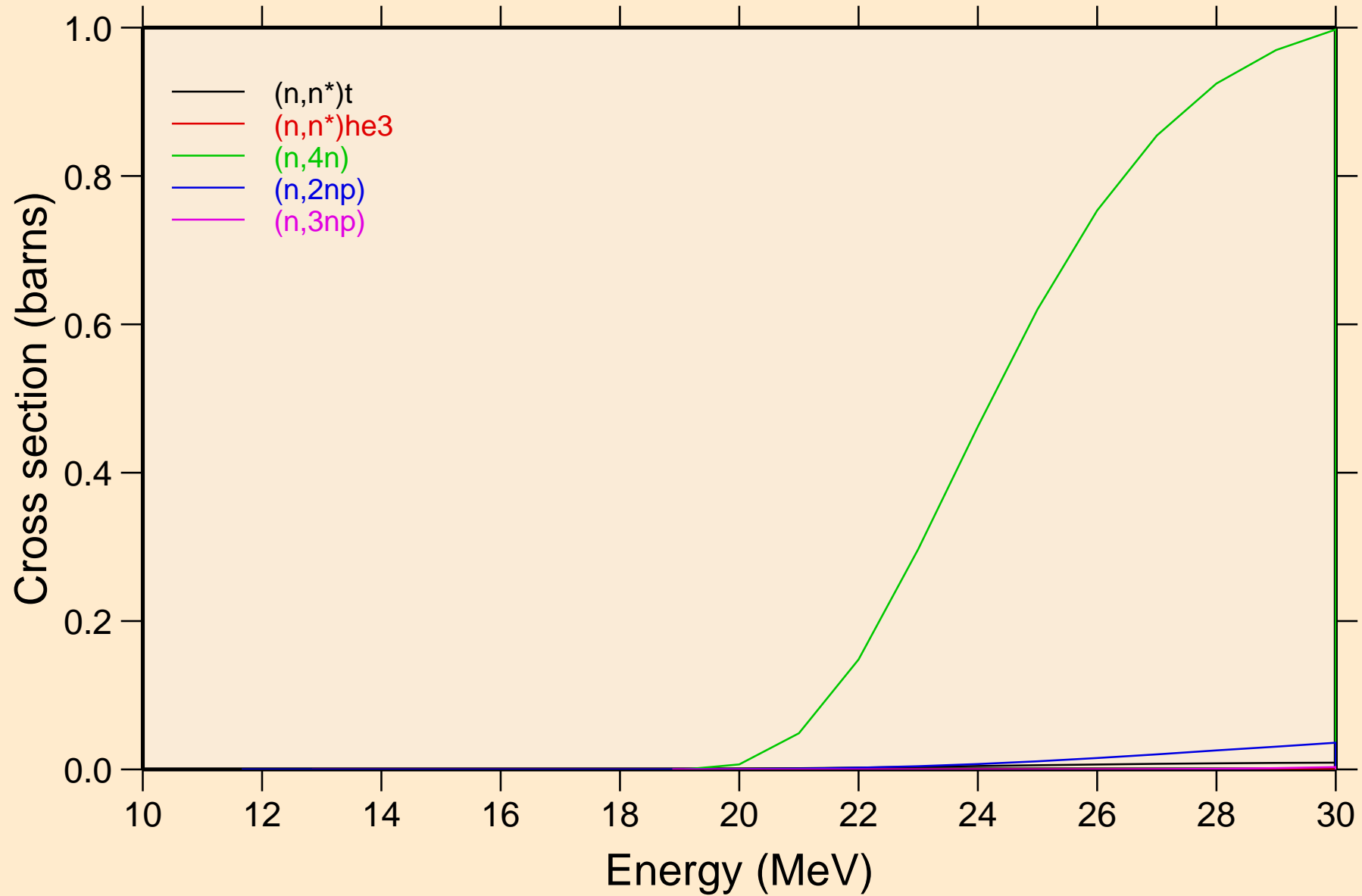
# PR144 NRG TENDL-2015, AKONING

## Threshold reactions



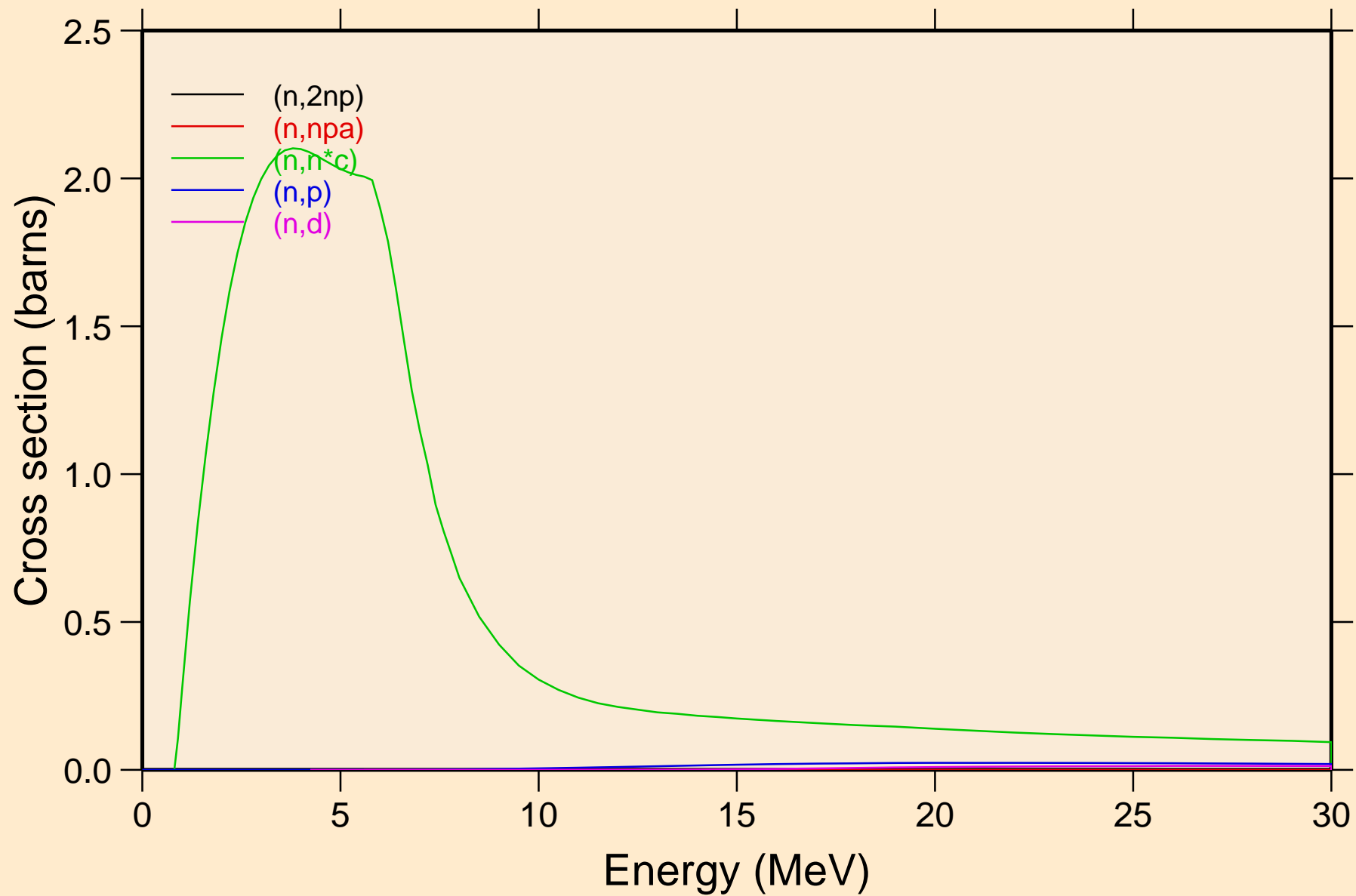
# PR144 NRG TENDL-2015, AKONING

## Threshold reactions



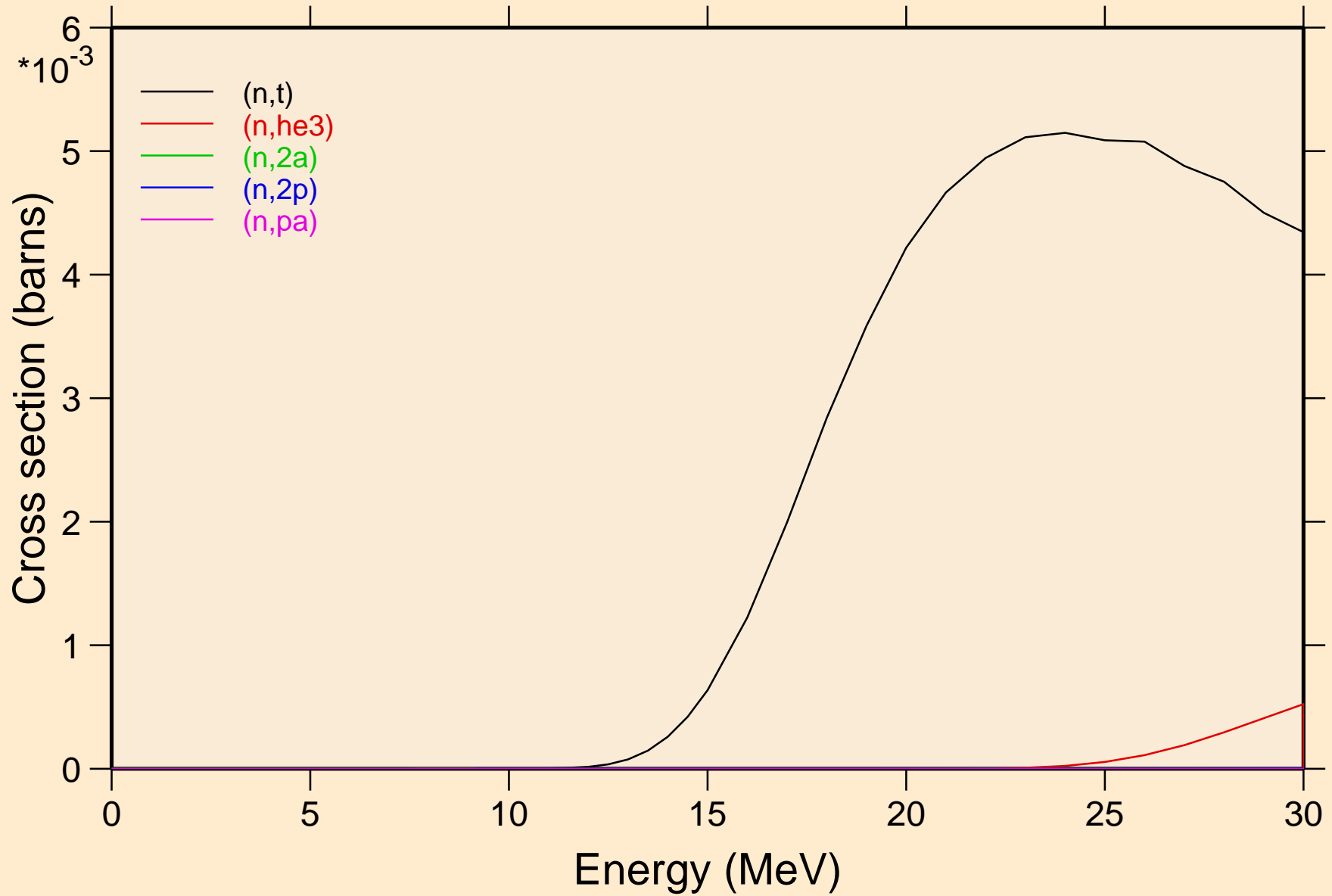
# PR144 NRG TENDL-2015, AKONING

## Threshold reactions



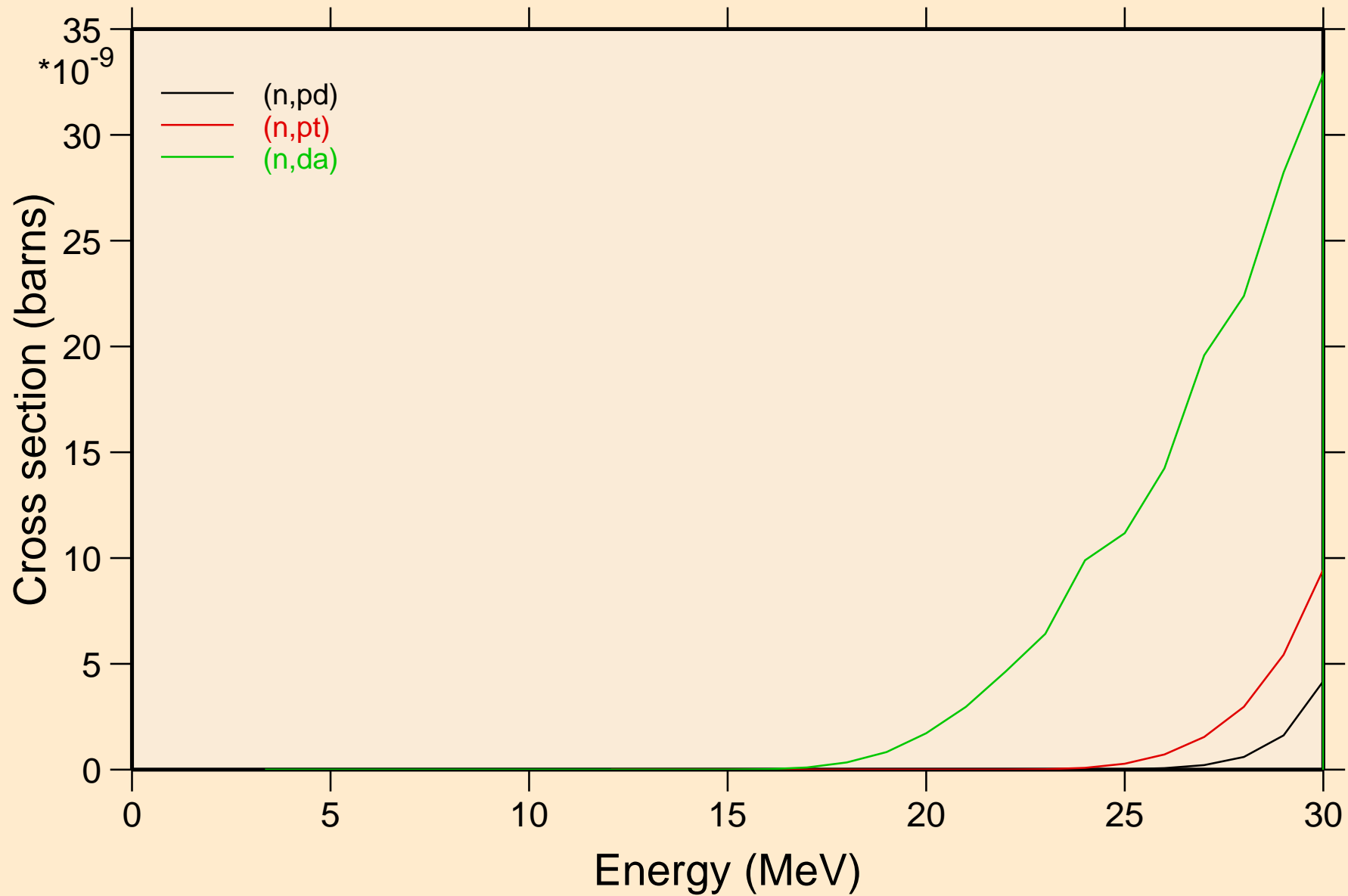
# PR144 NRG TENDL-2015, AKONING

## Threshold reactions



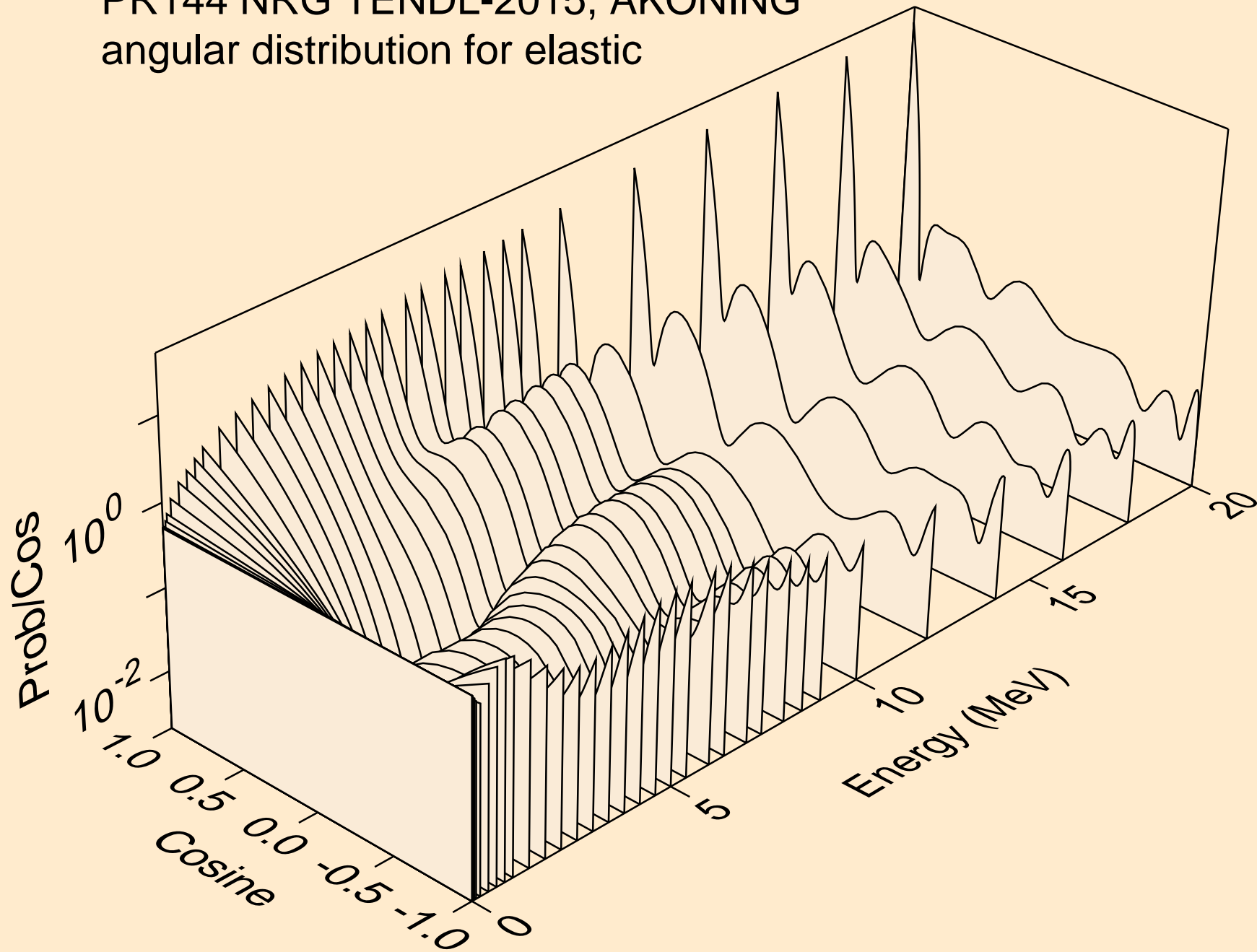
# PR144 NRG TENDL-2015, AKONING

## Threshold reactions

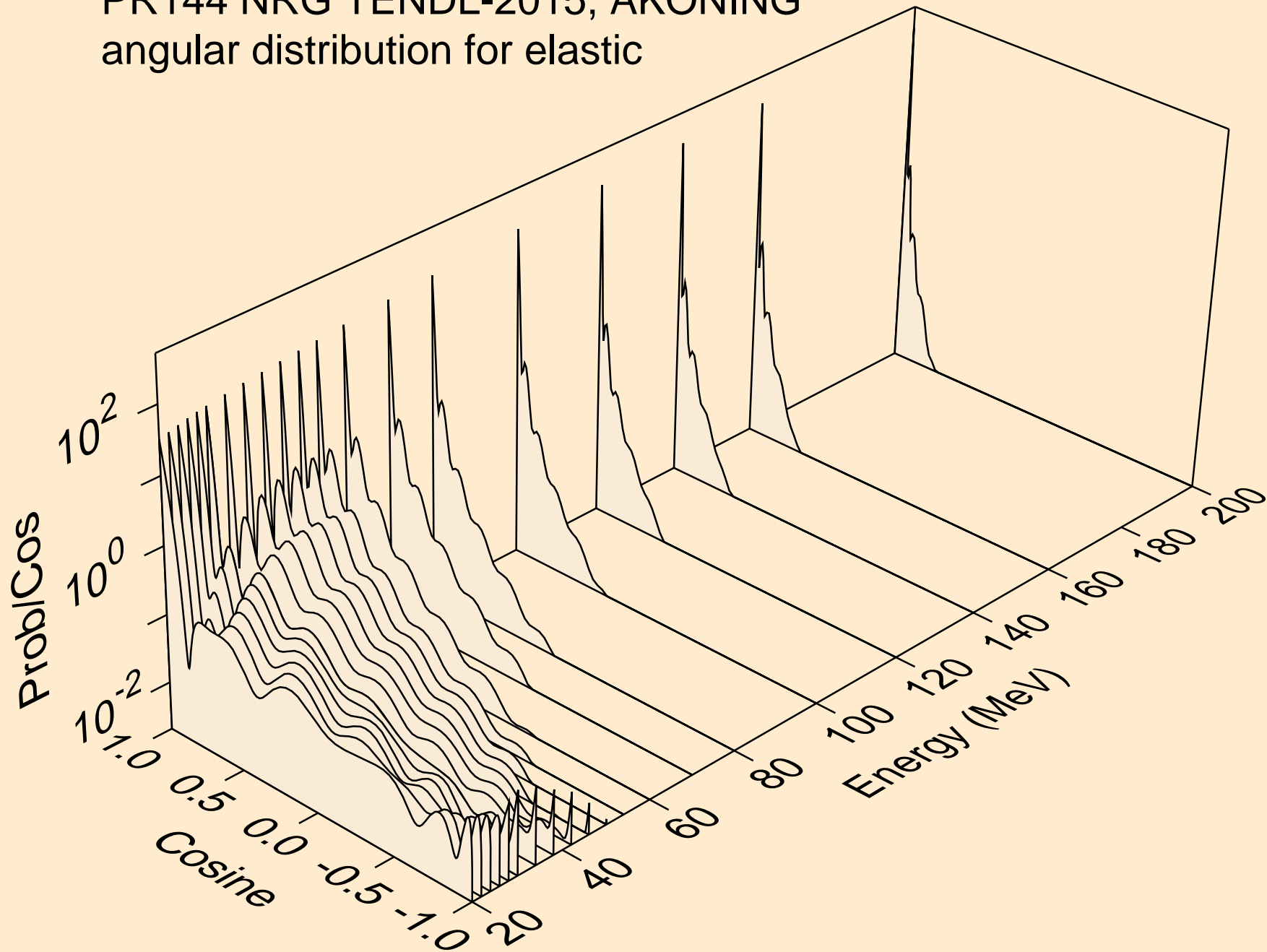




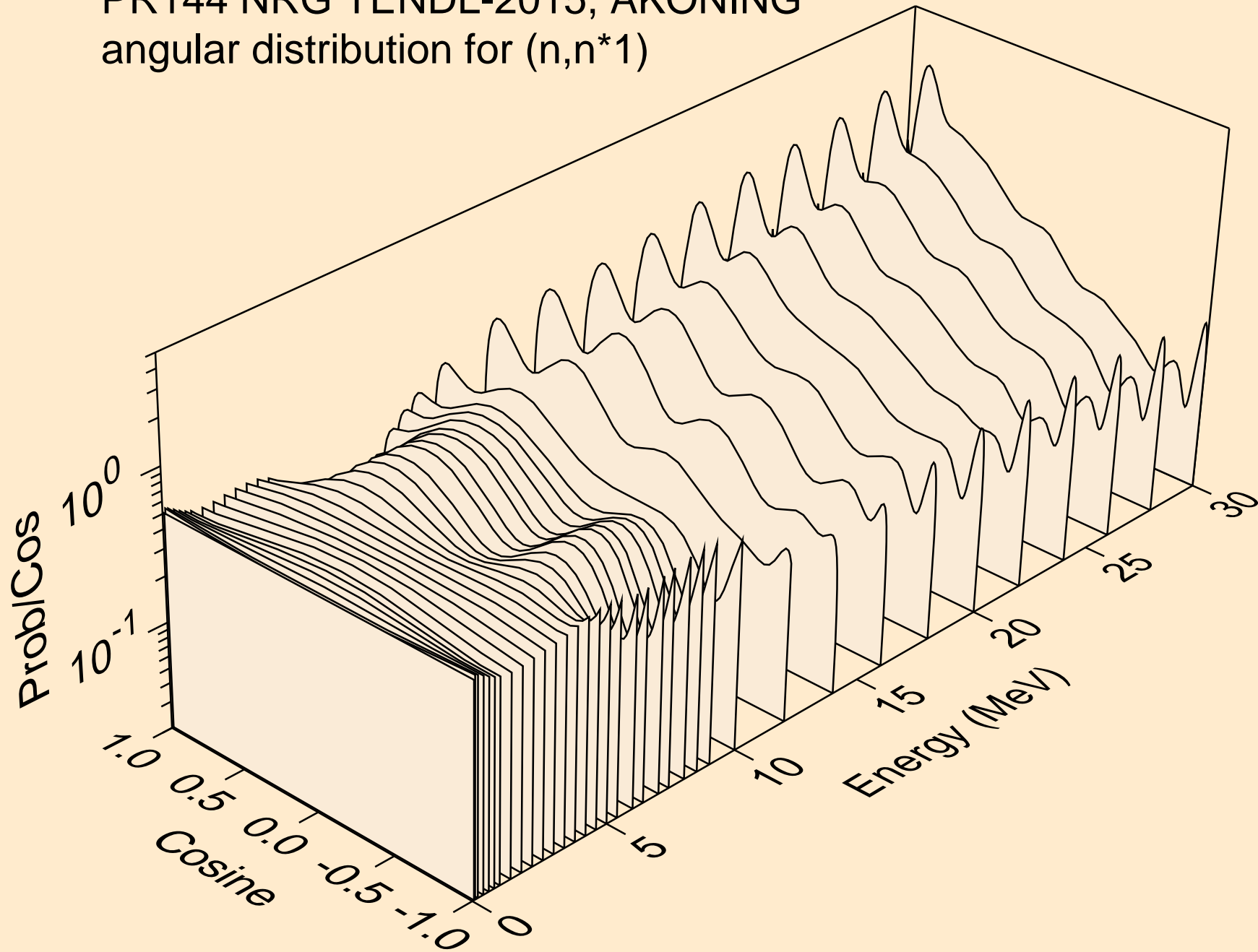
PR144 NRG TENDL-2015, AKONING  
angular distribution for elastic



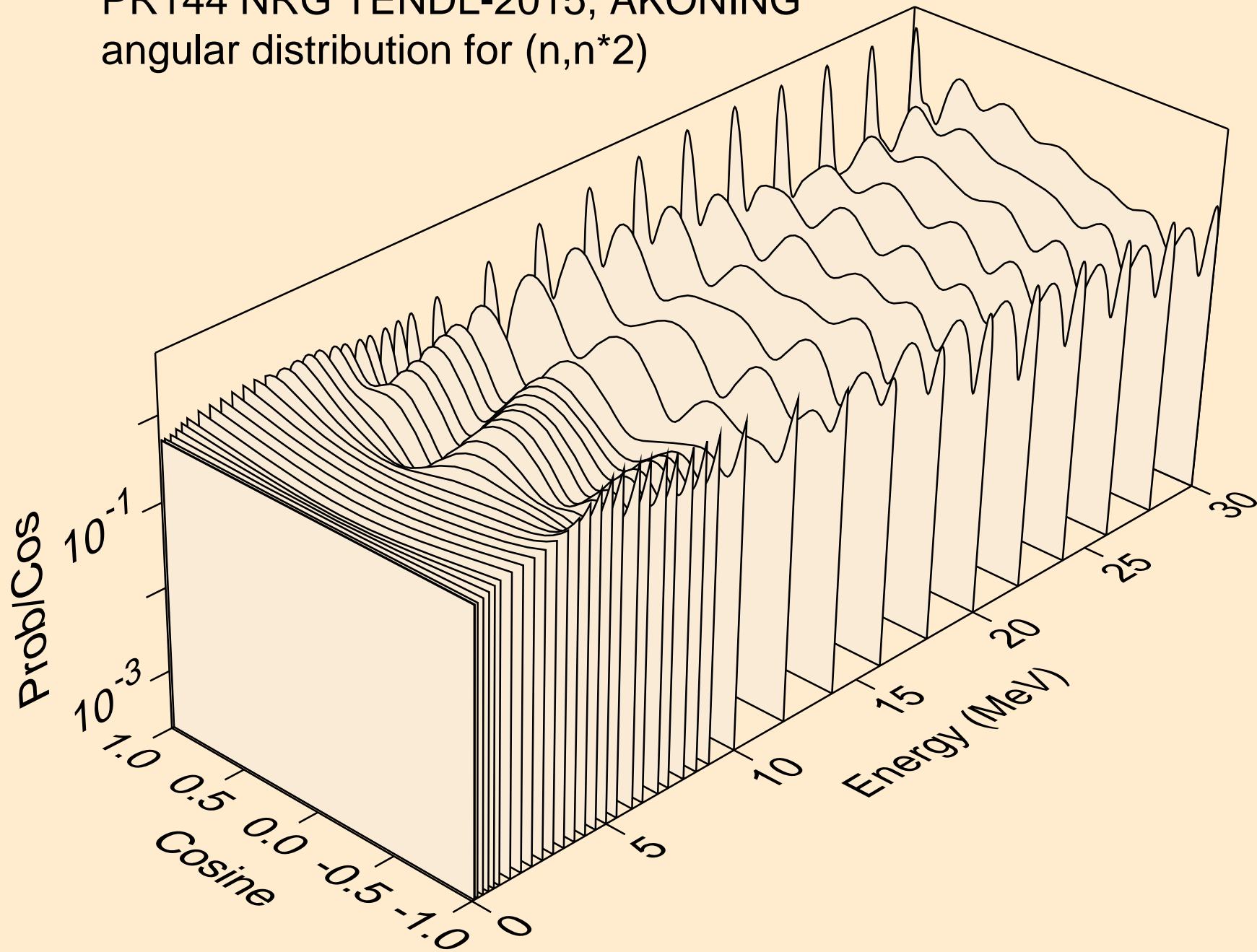
PR144 NRG TENDL-2015, AKONING  
angular distribution for elastic



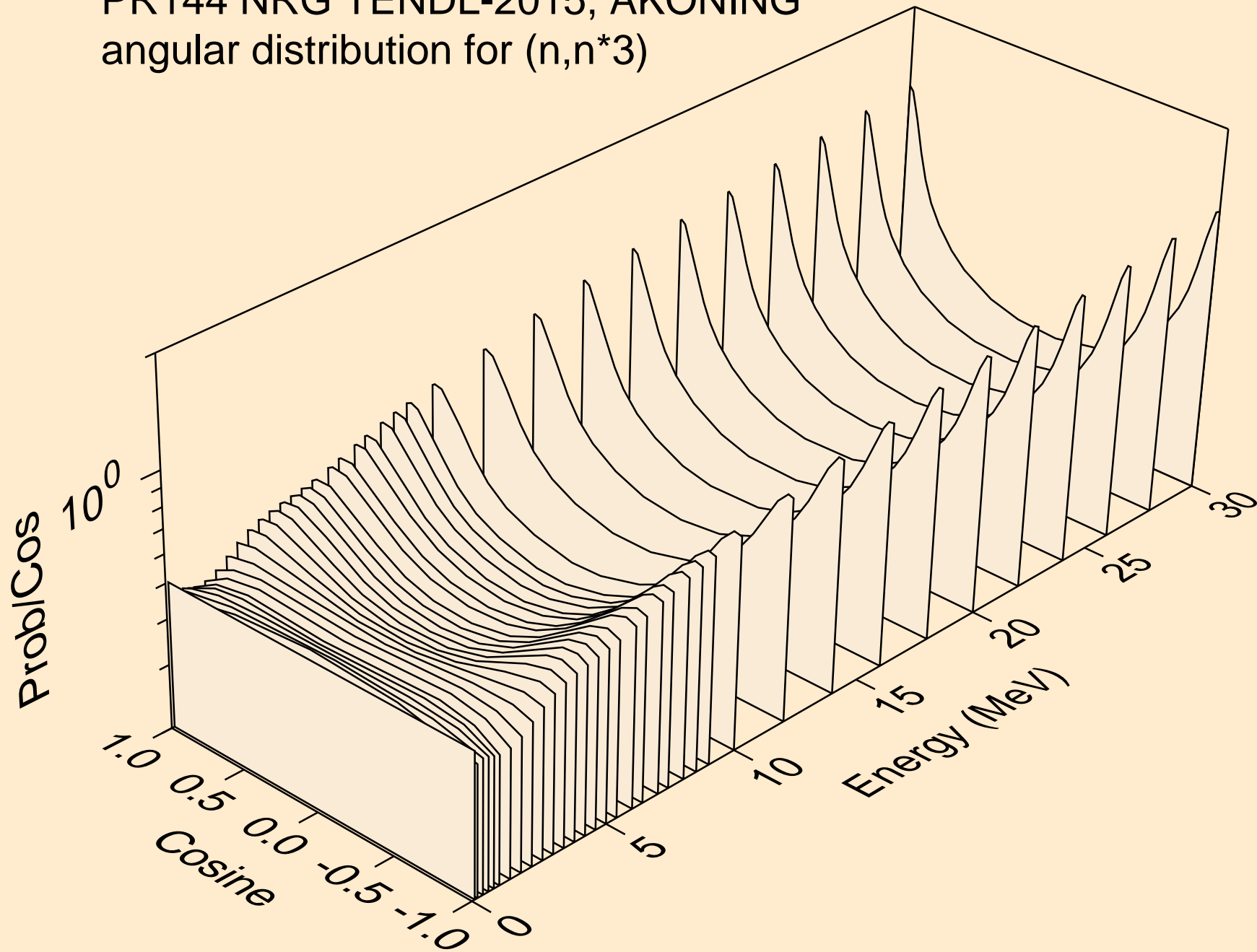
PR144 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



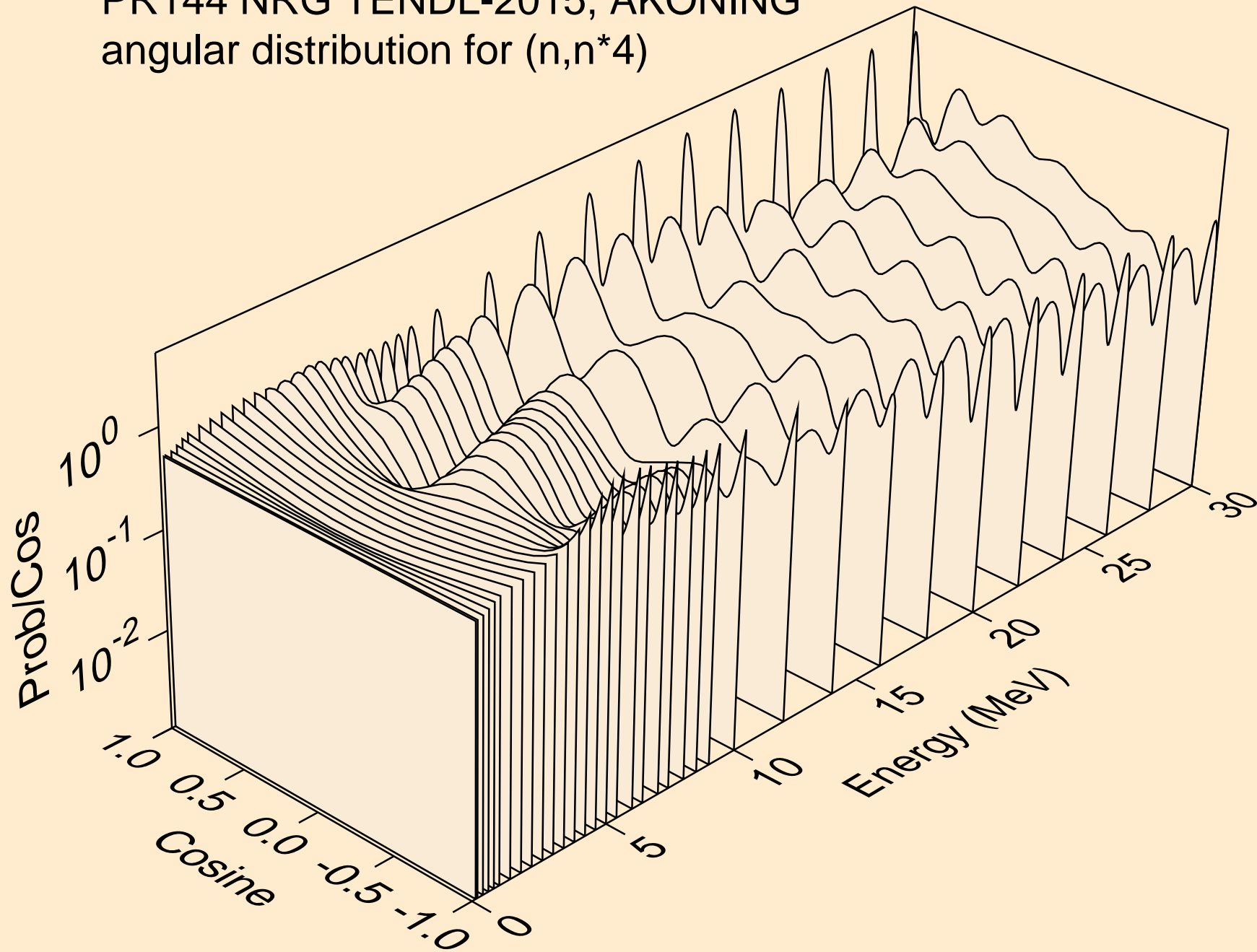
PR144 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



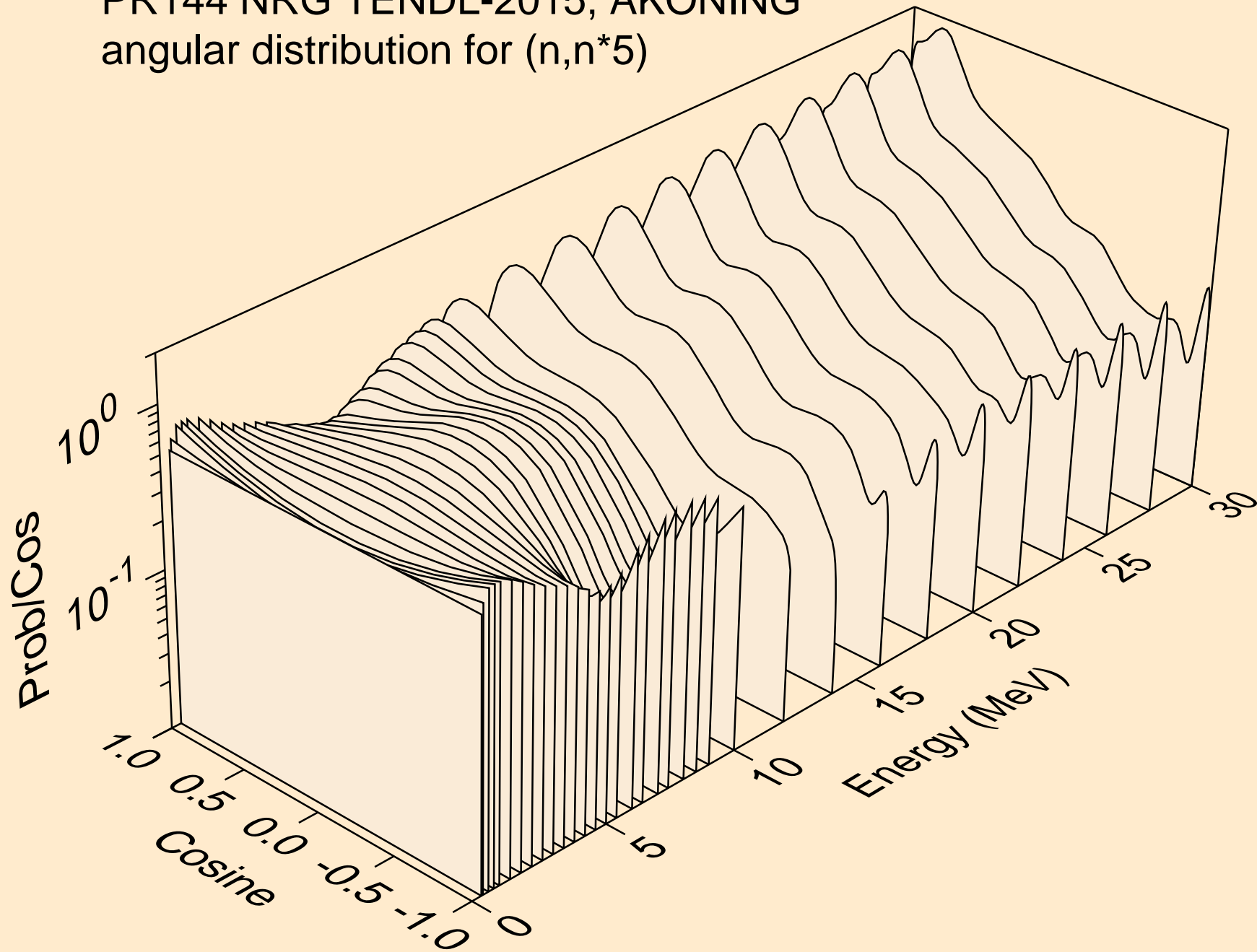
PR144 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



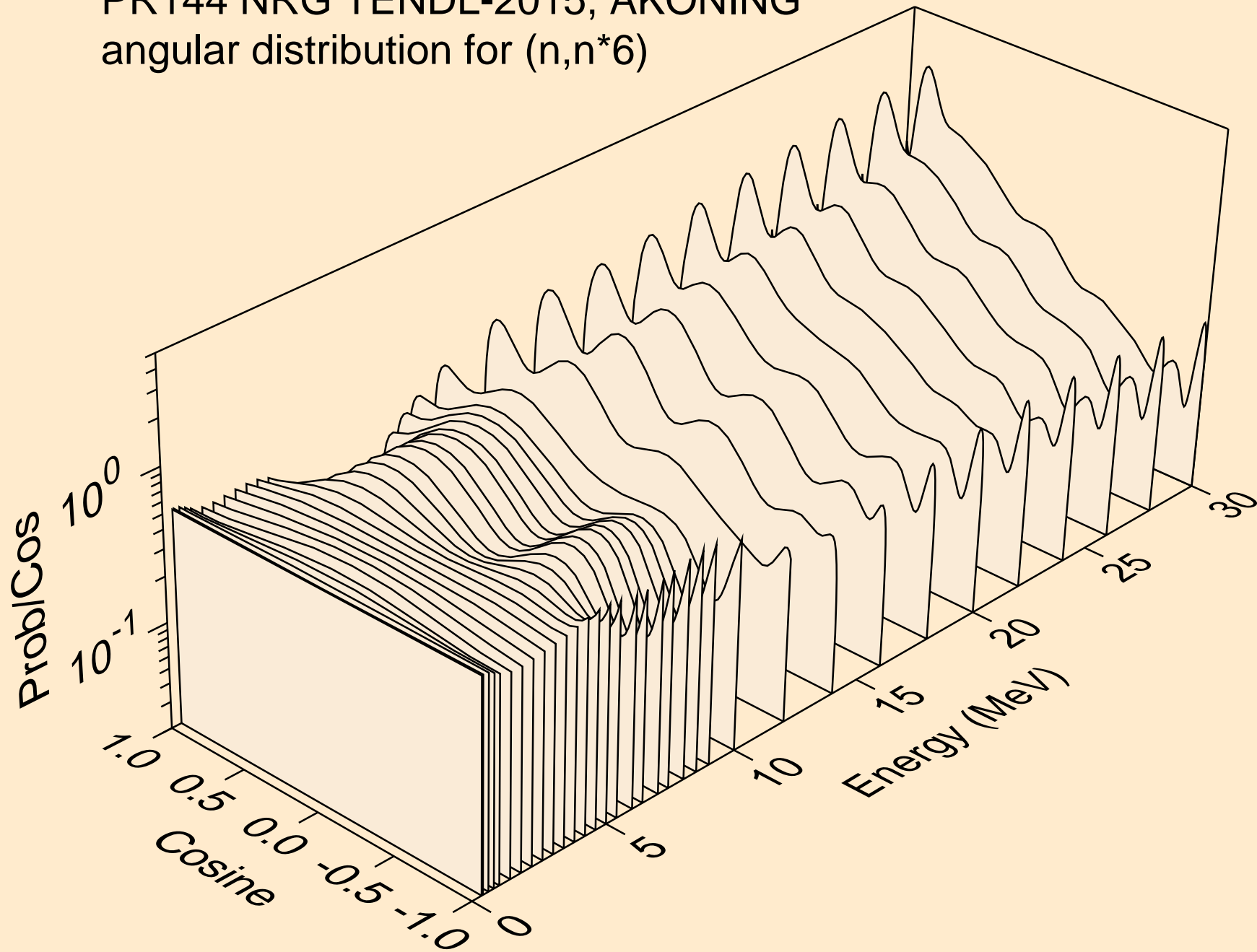
PR144 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



PR144 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)

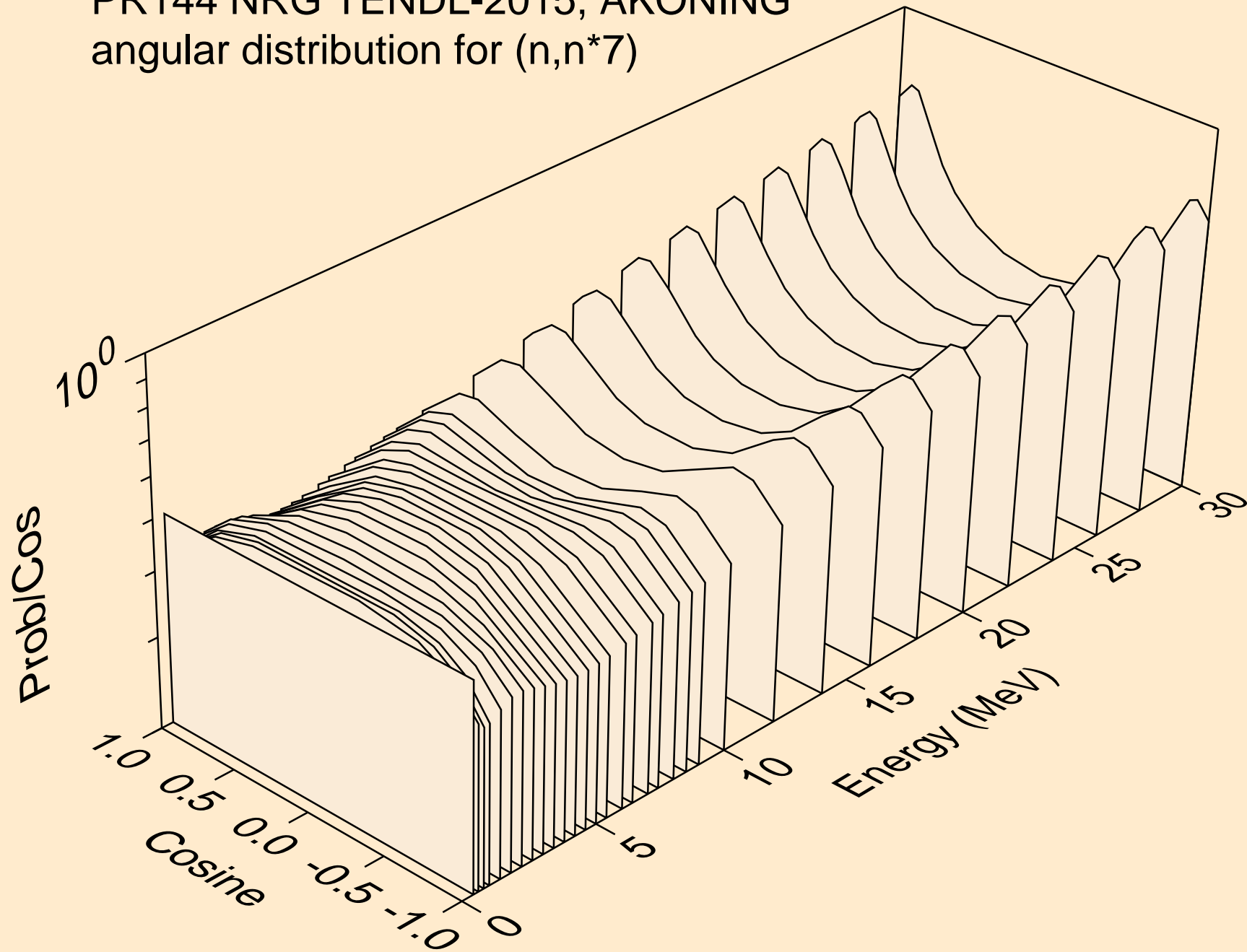


PR144 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)

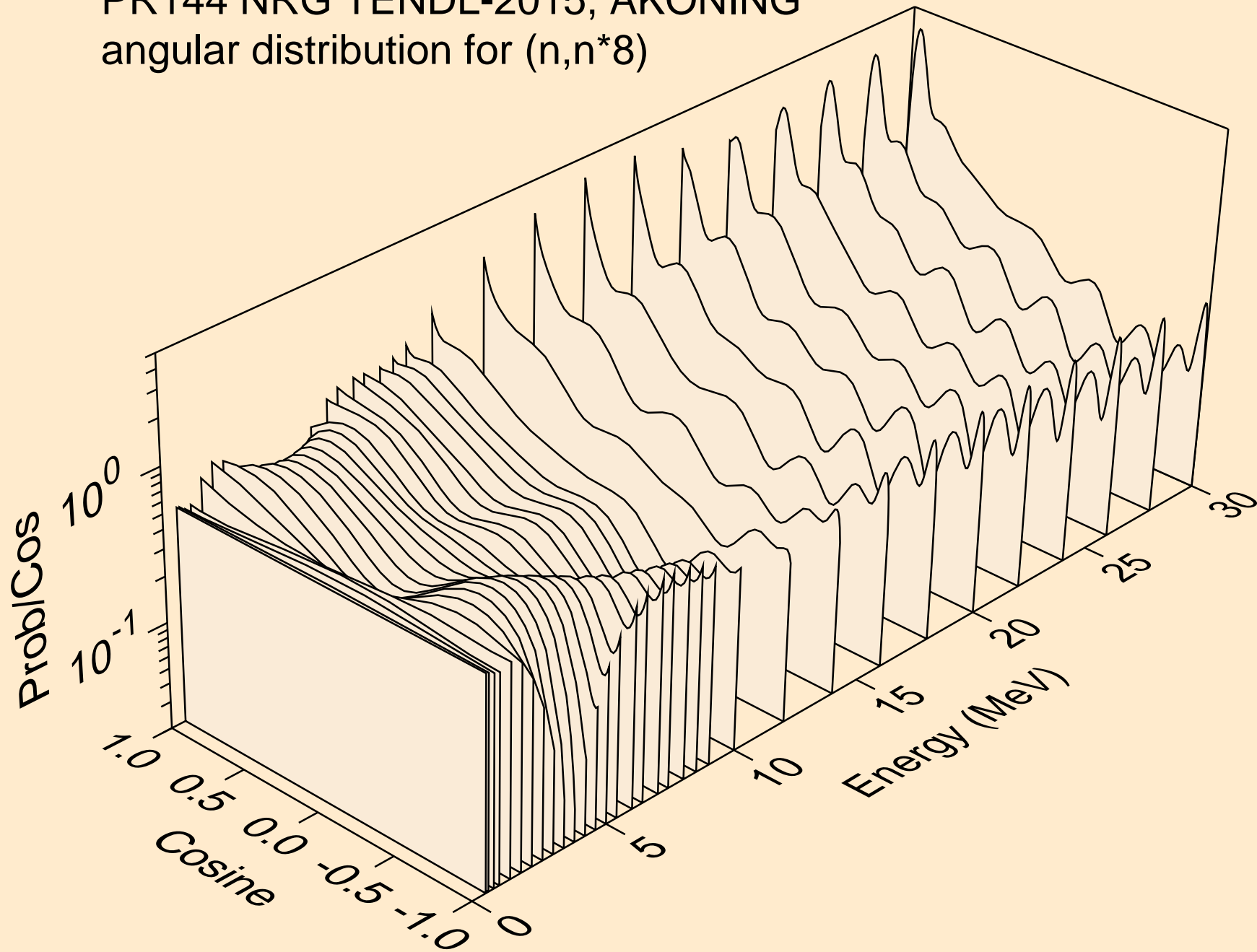




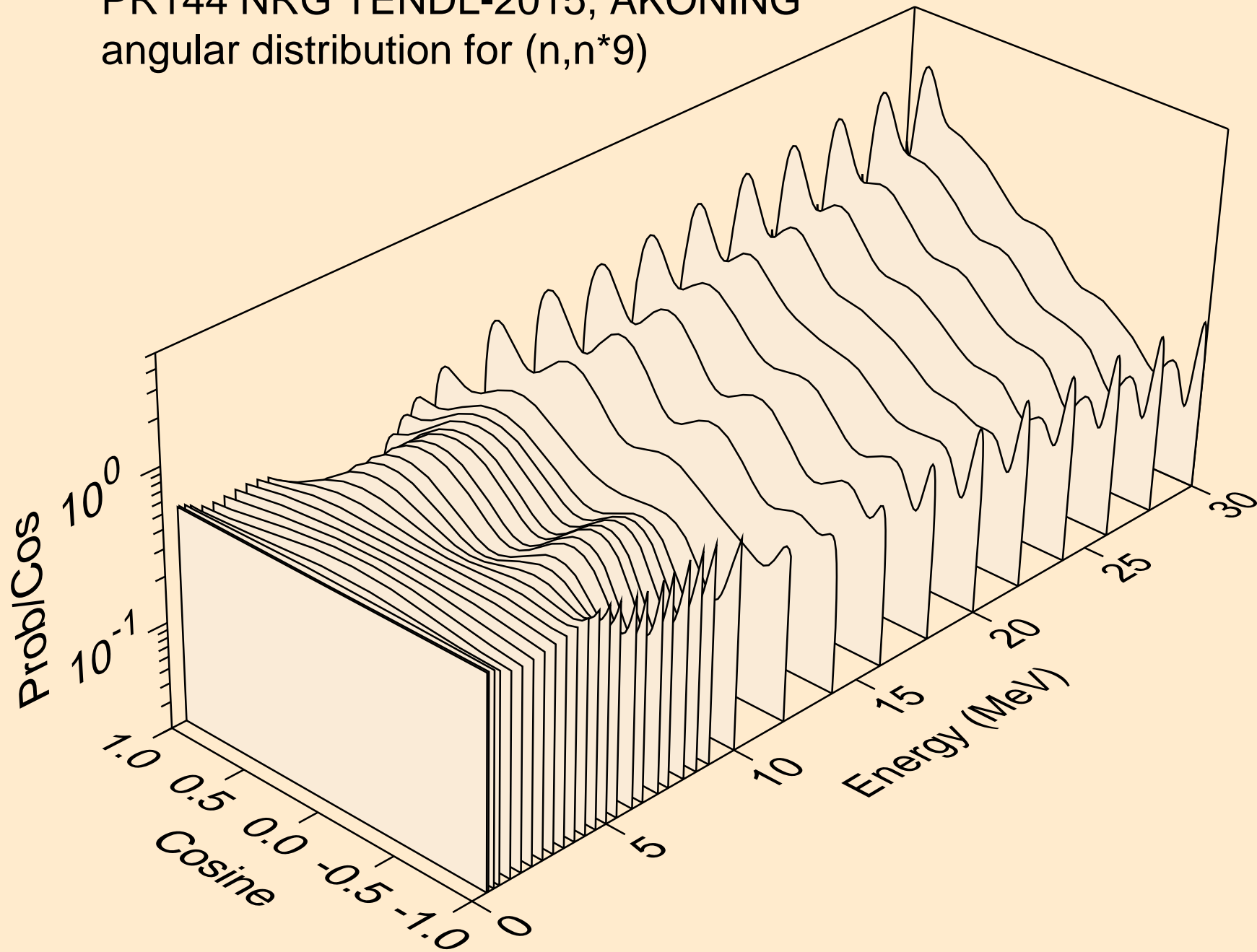
PR144 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



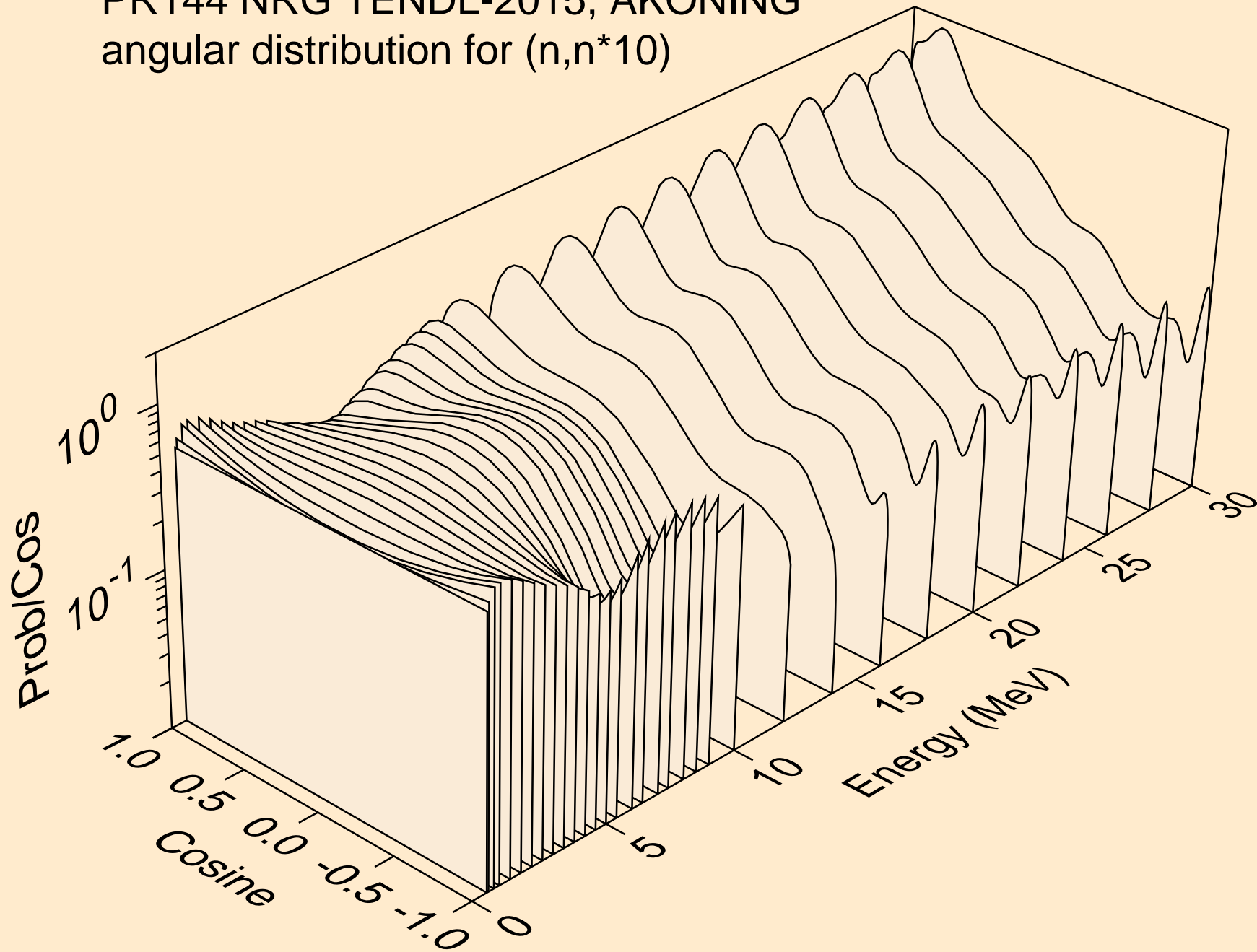
PR144 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)



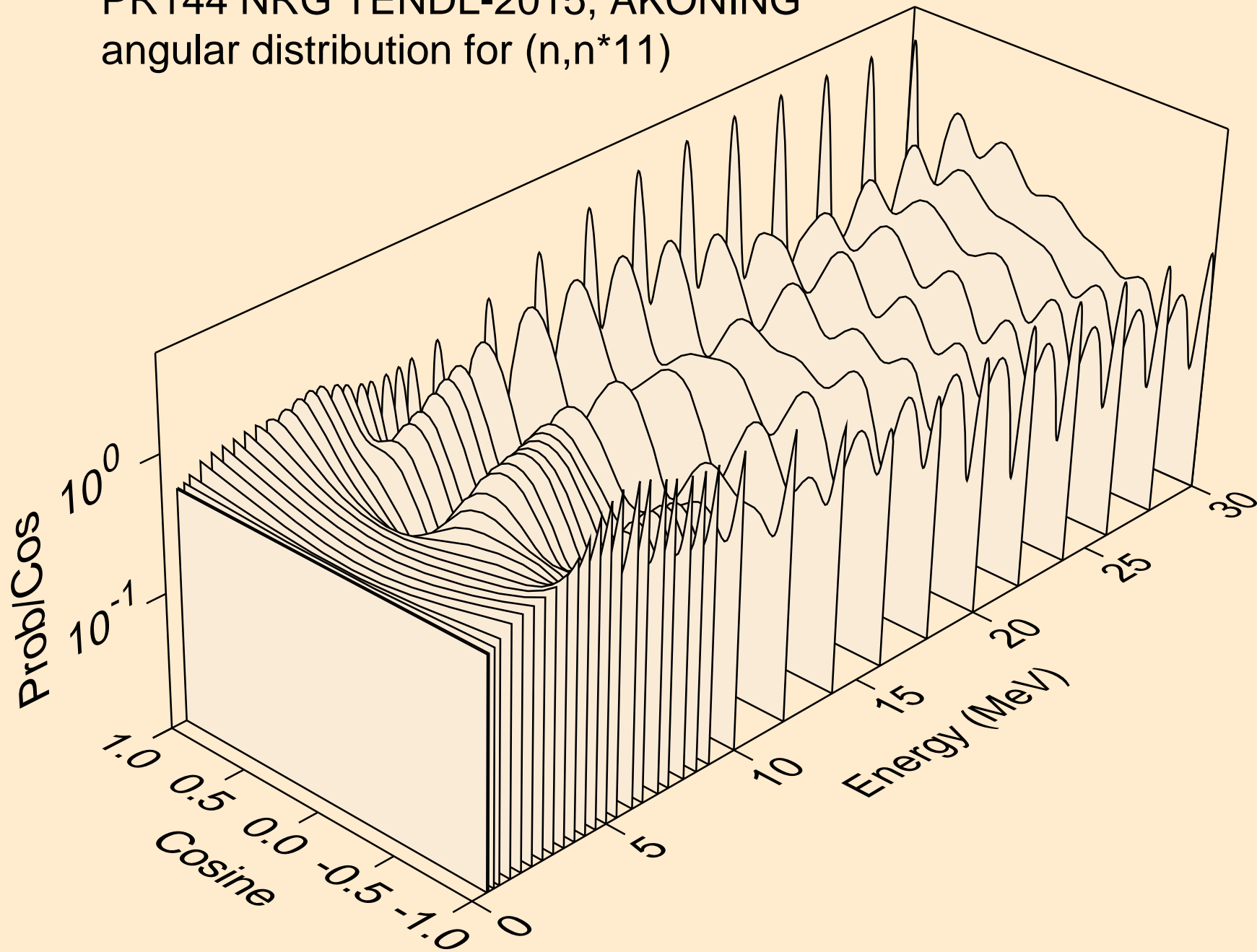
PR144 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



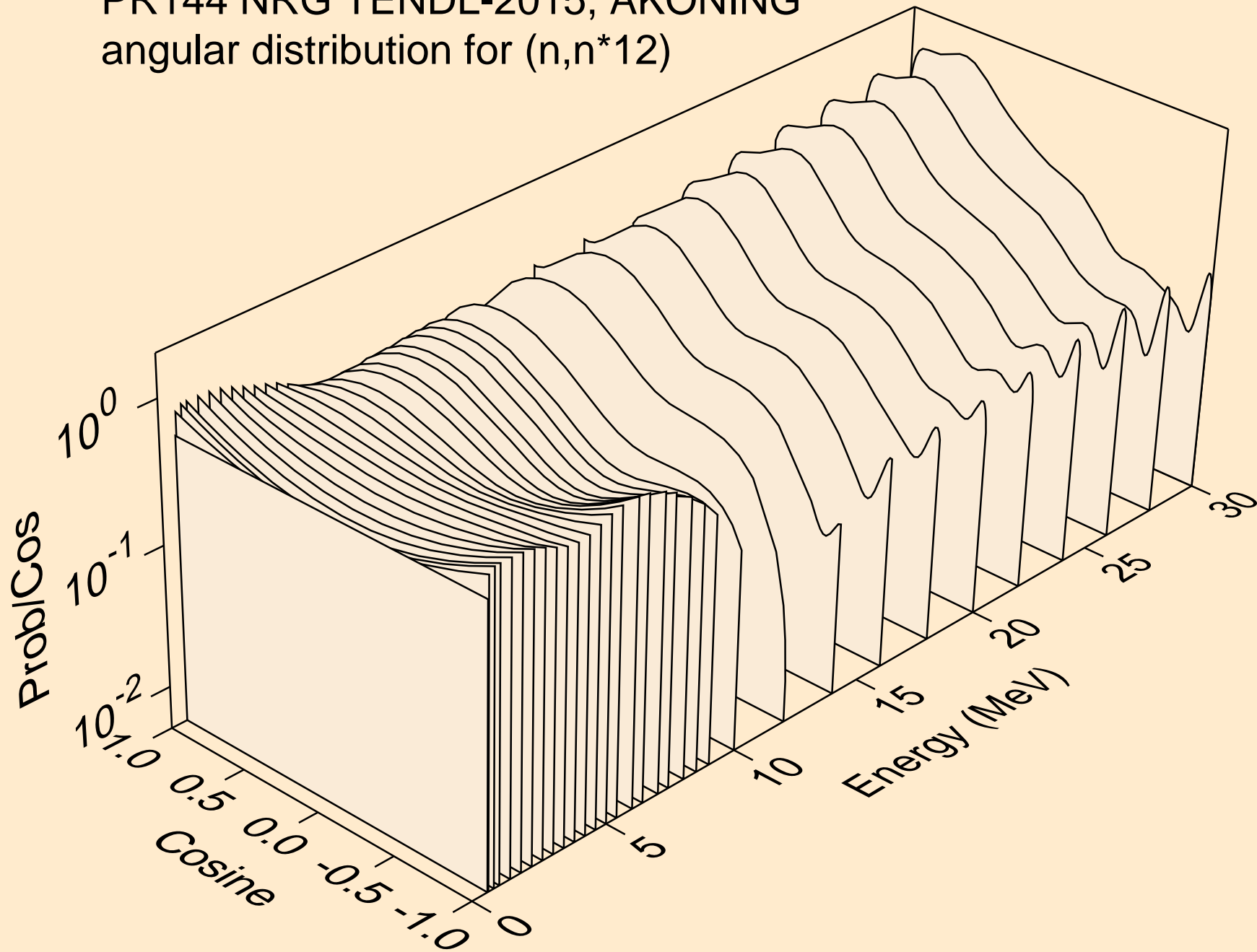
PR144 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



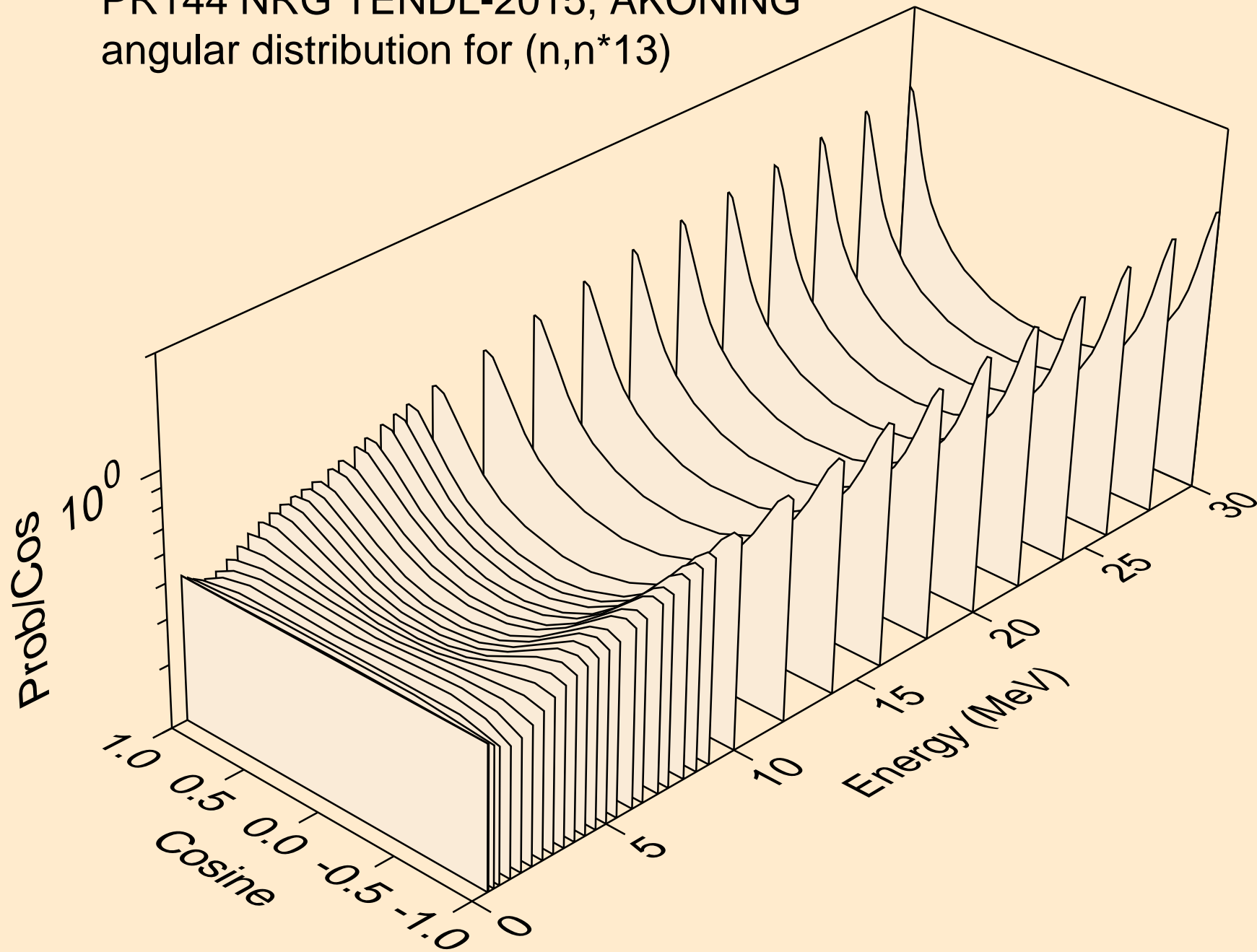
PR144 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



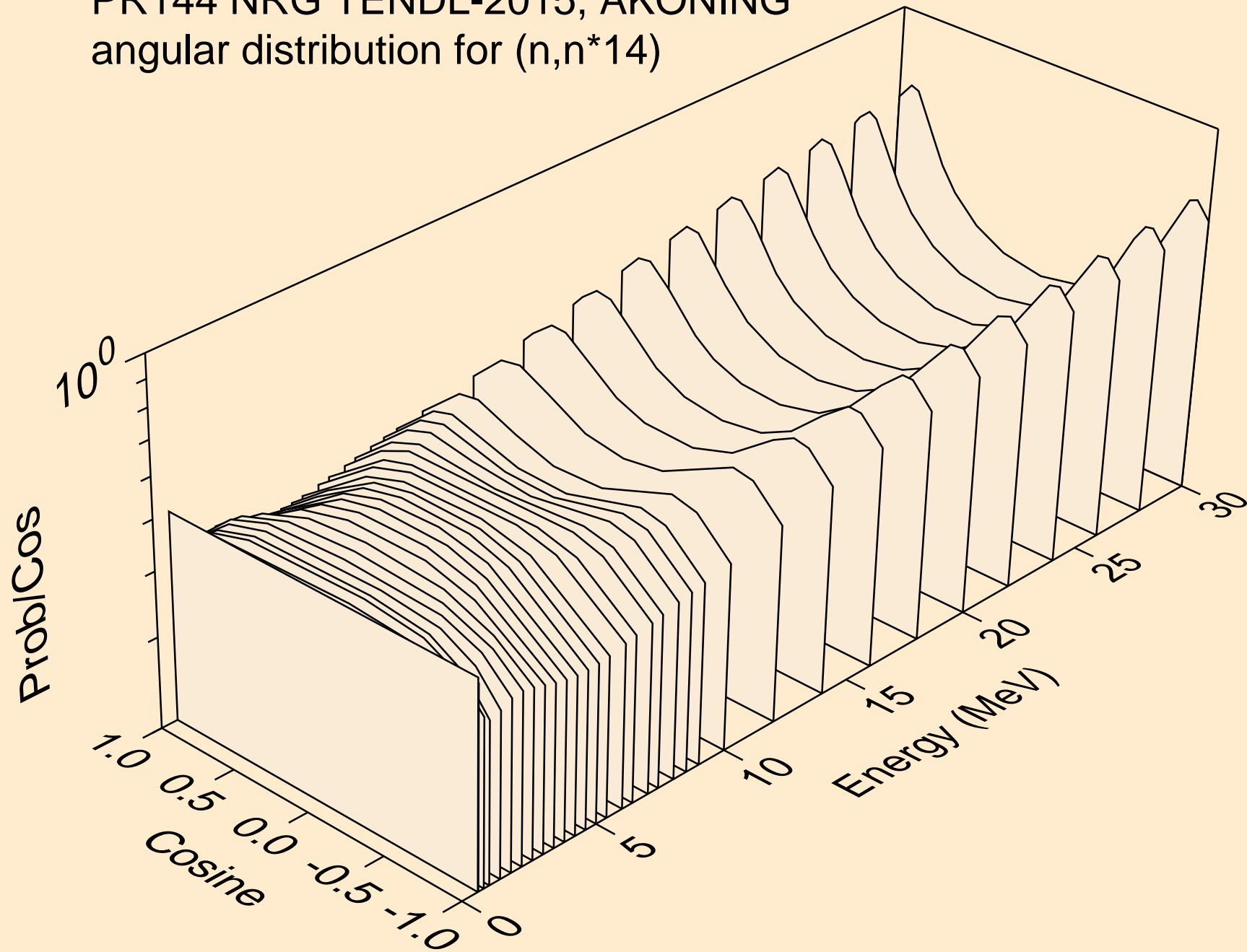
PR144 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



PR144 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)

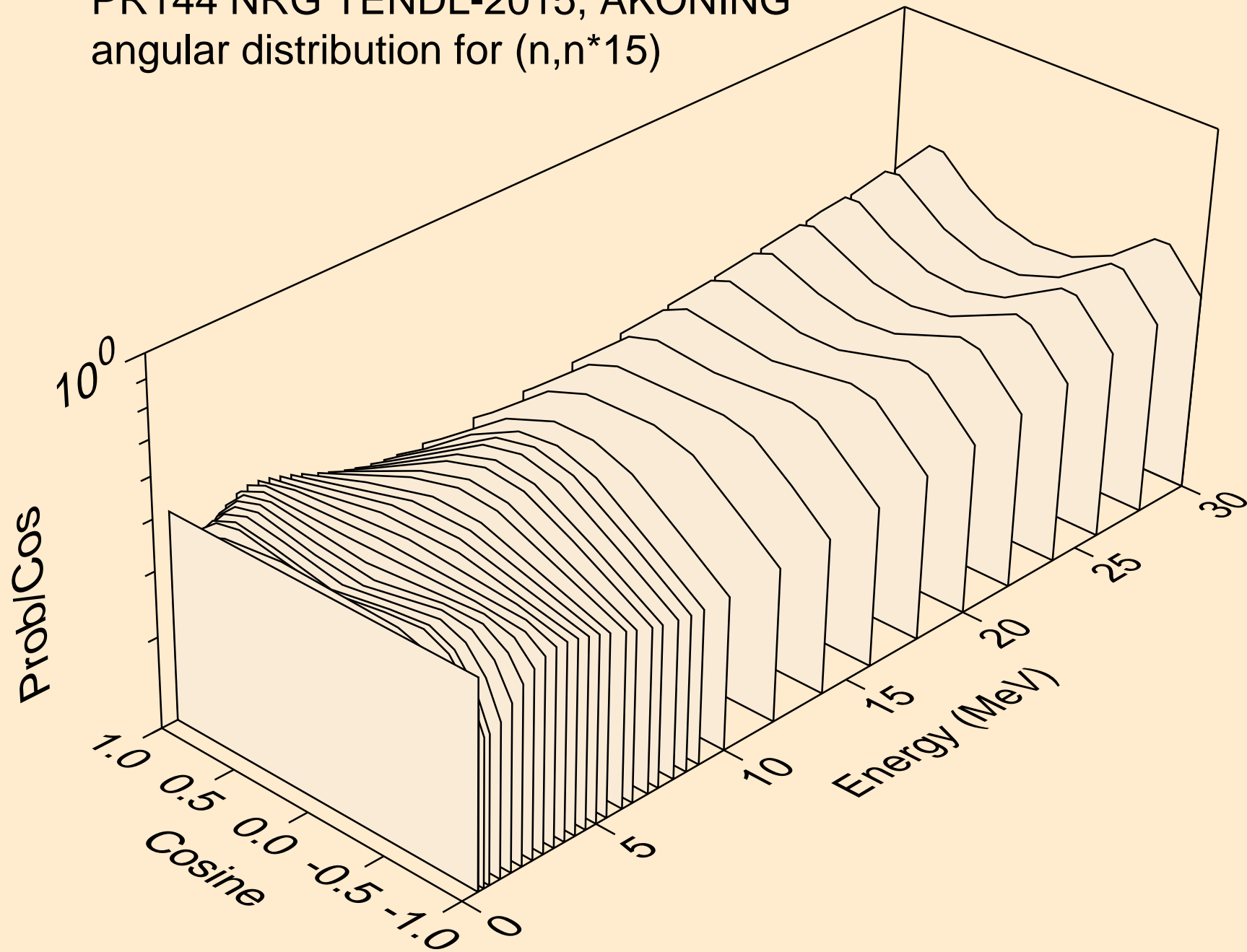


PR144 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)

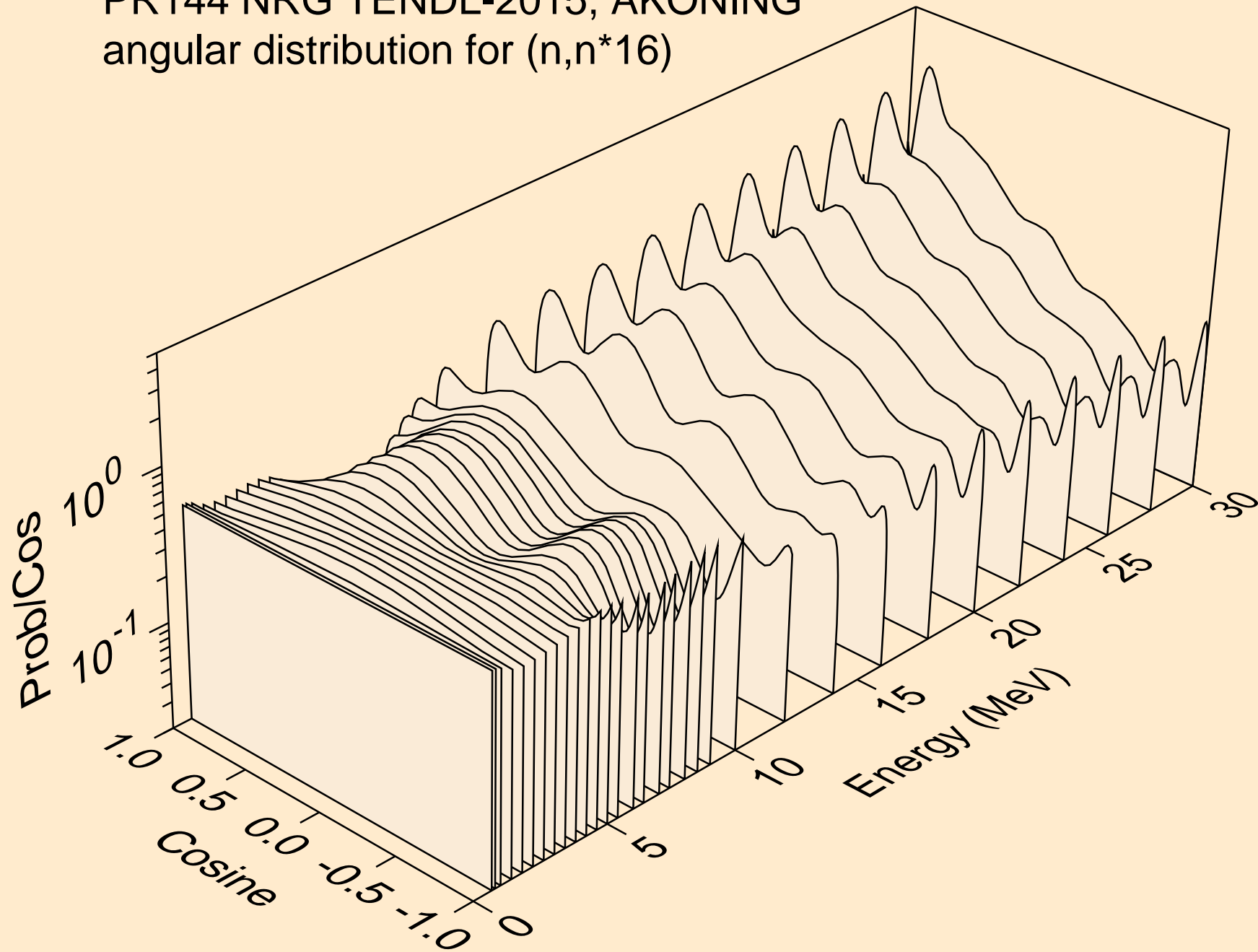




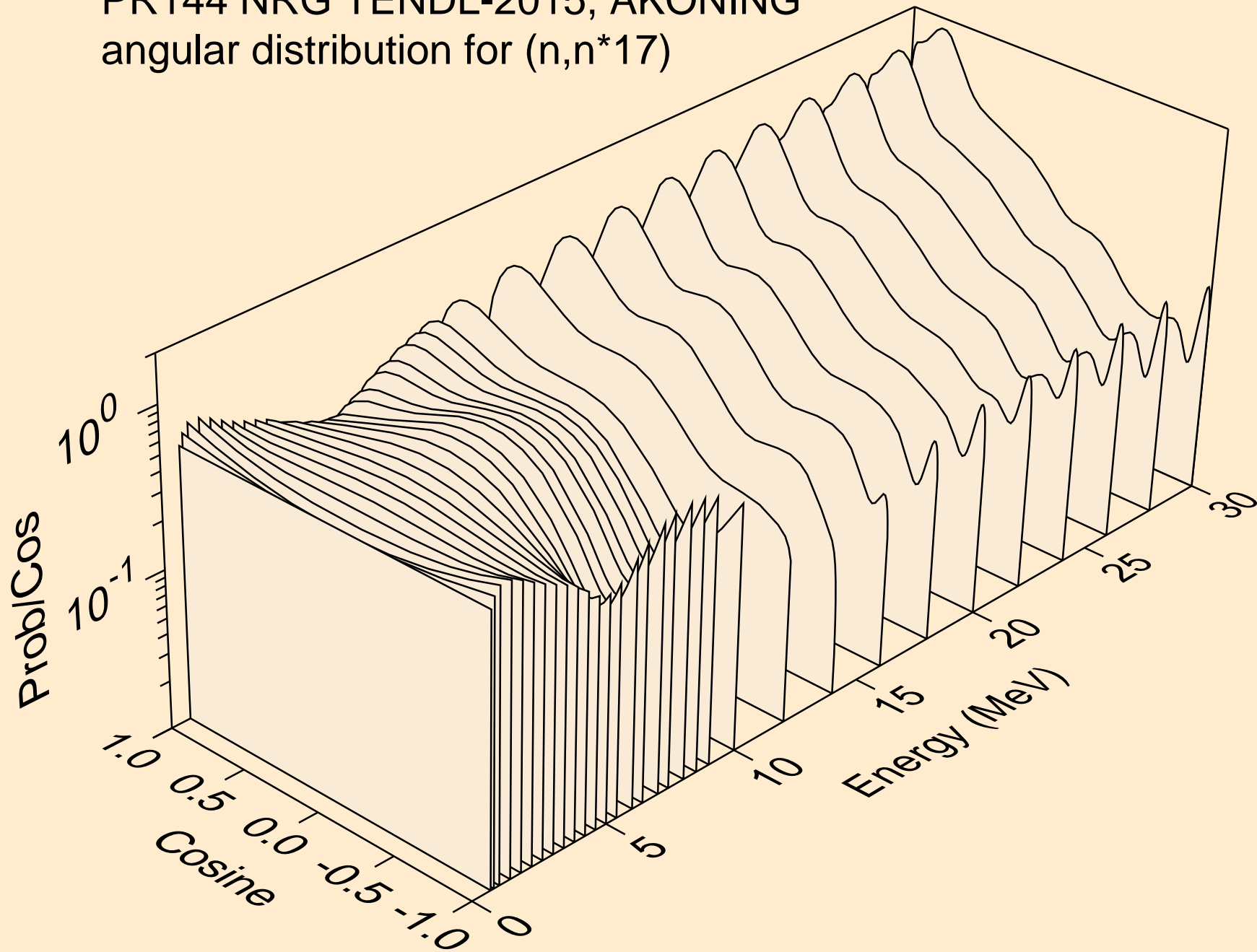
PR144 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



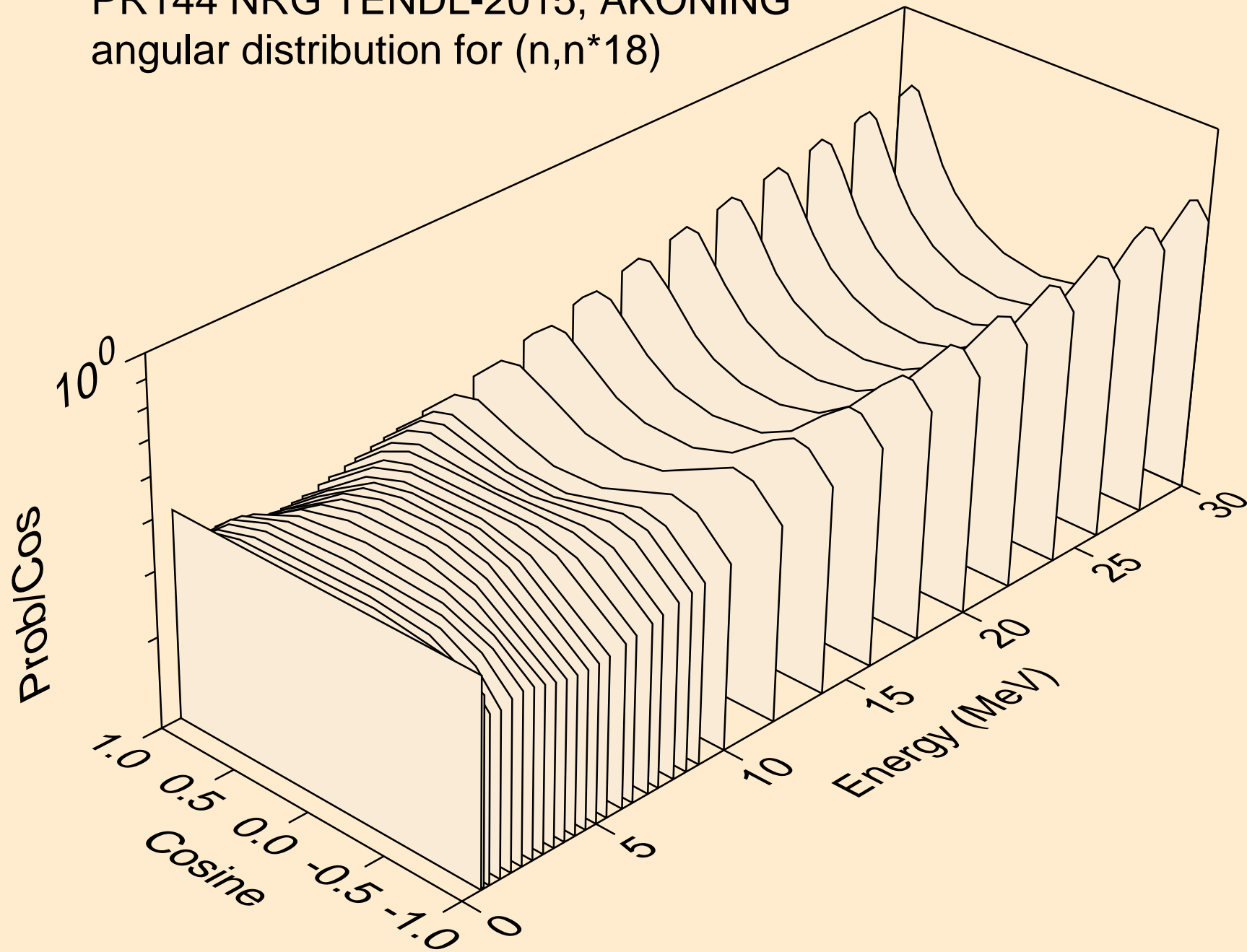
PR144 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)



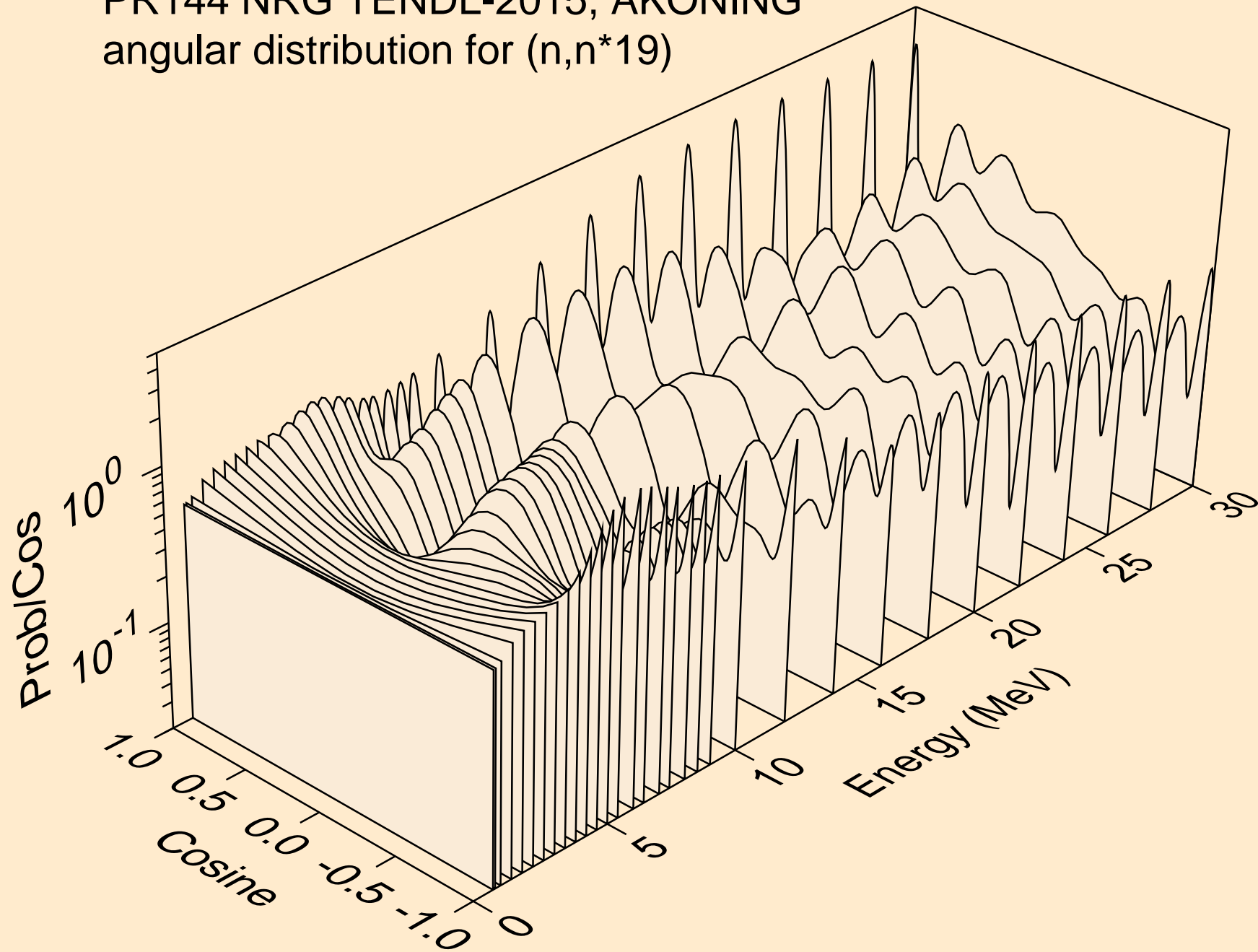
PR144 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



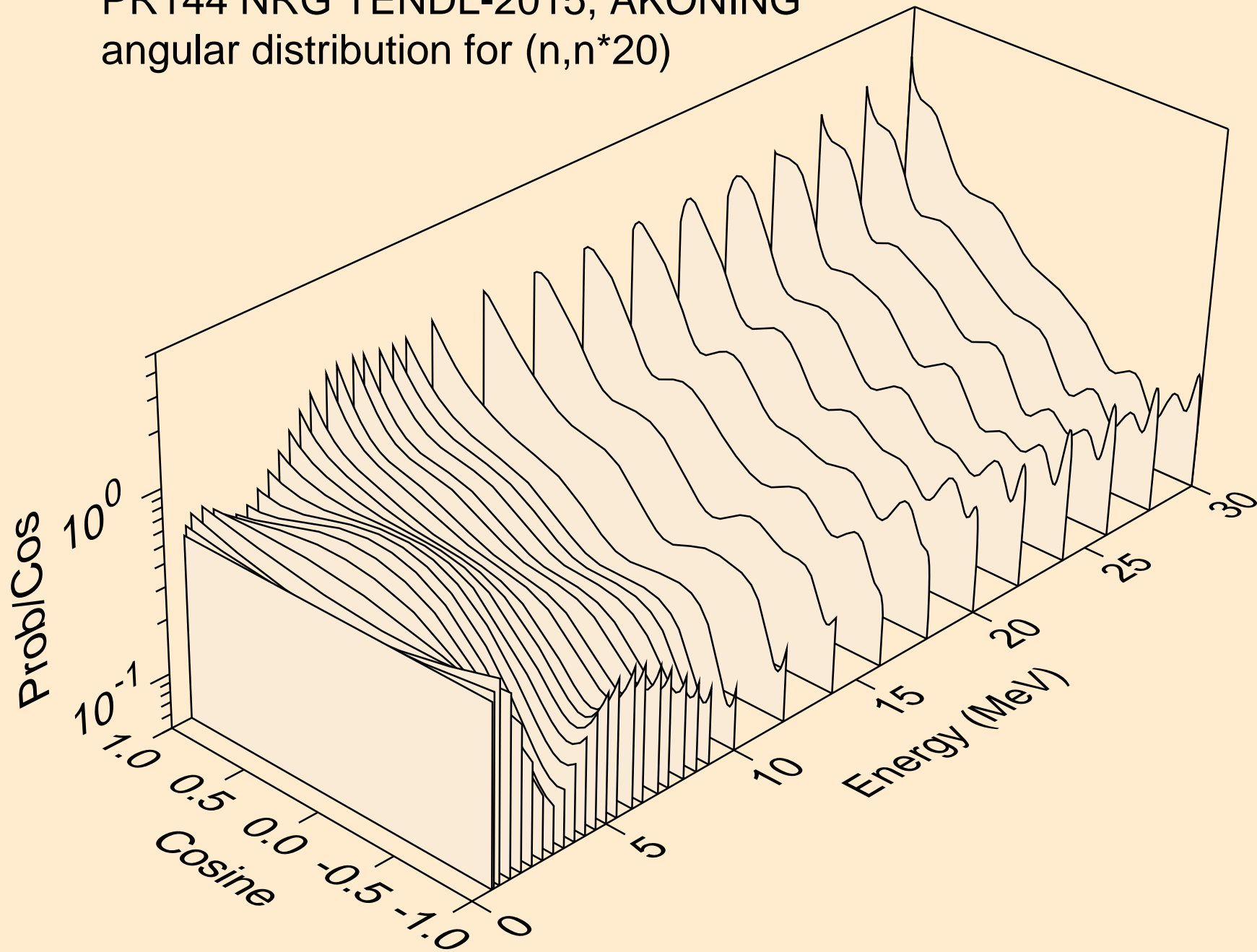
PR144 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



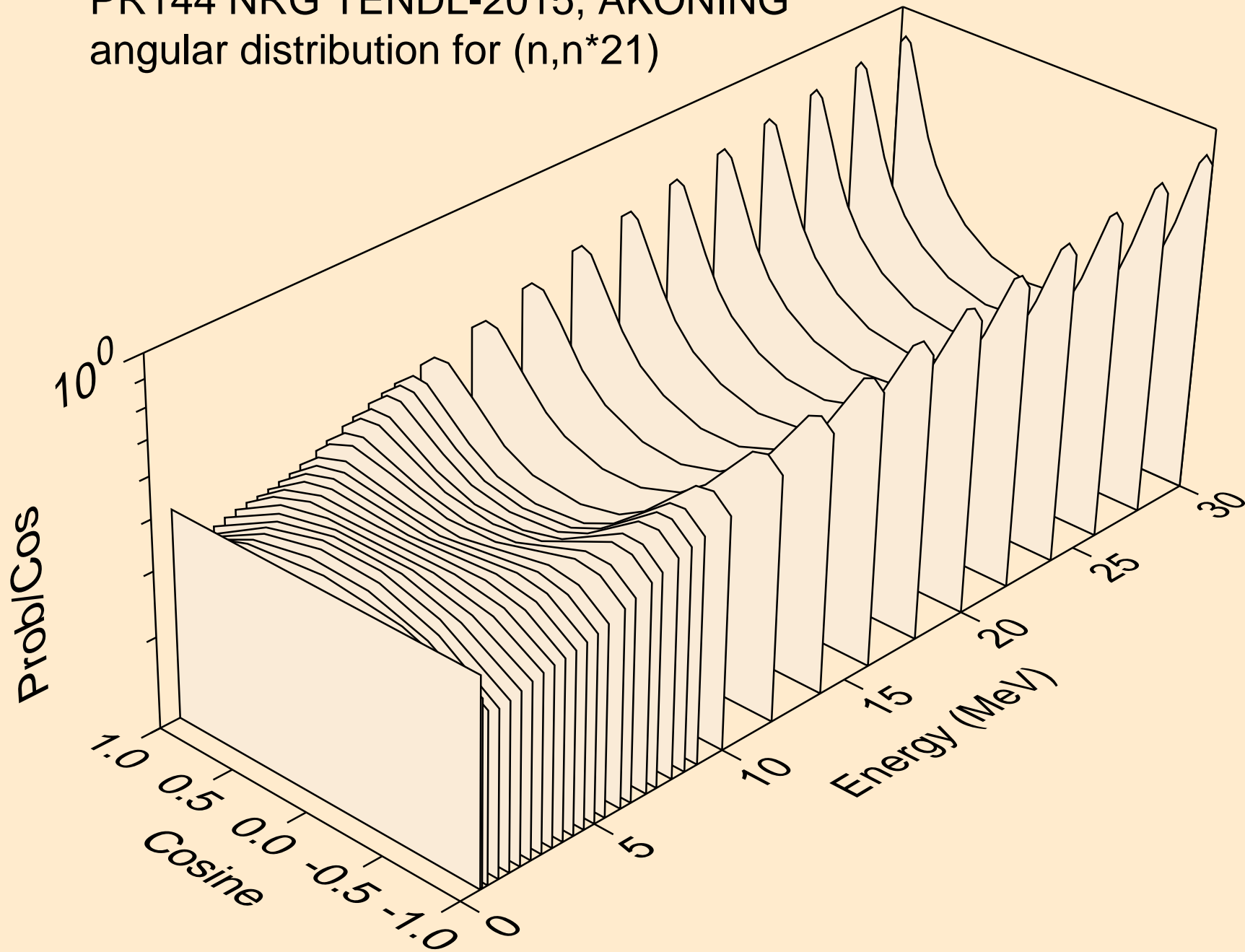
PR144 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



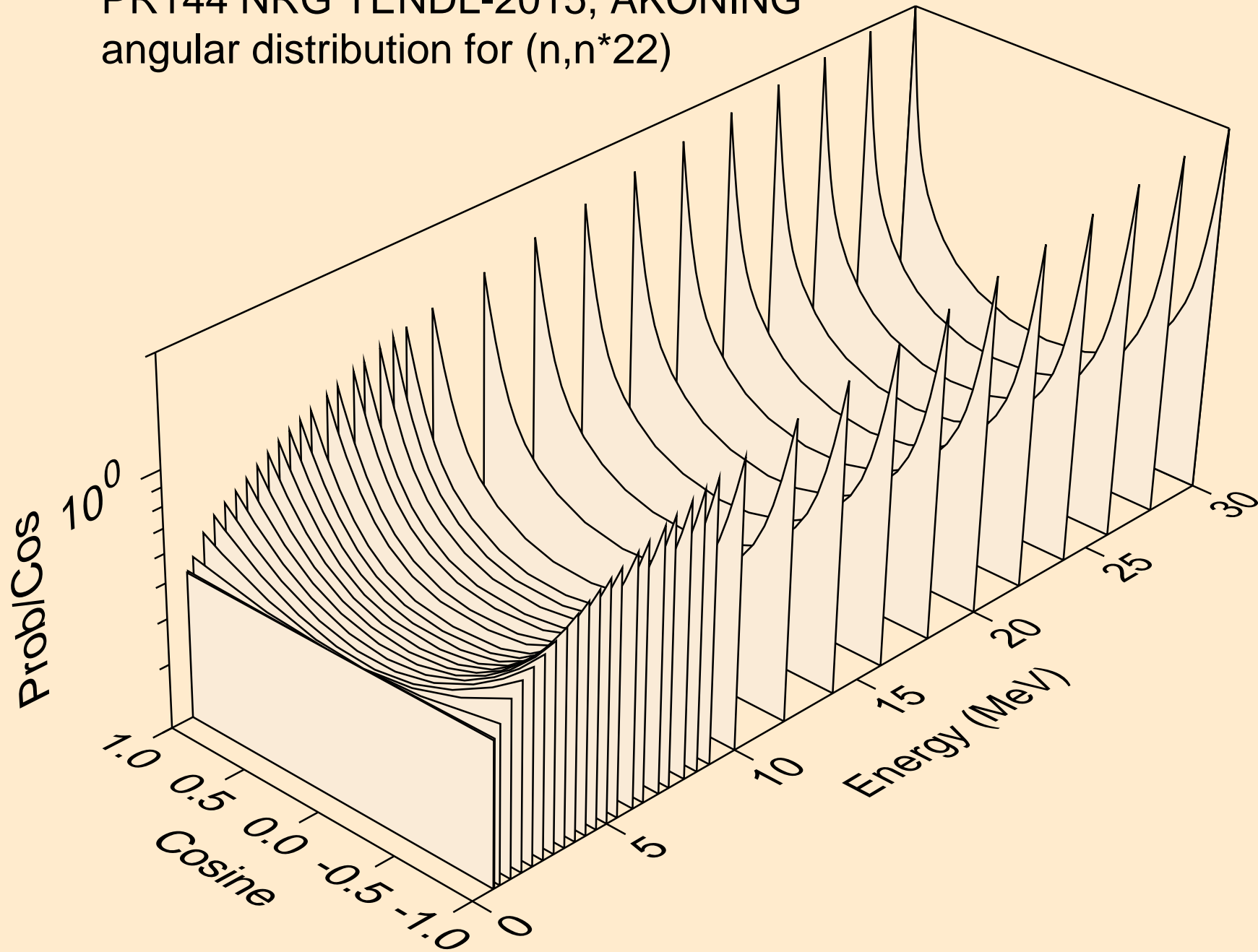
PR144 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



PR144 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)

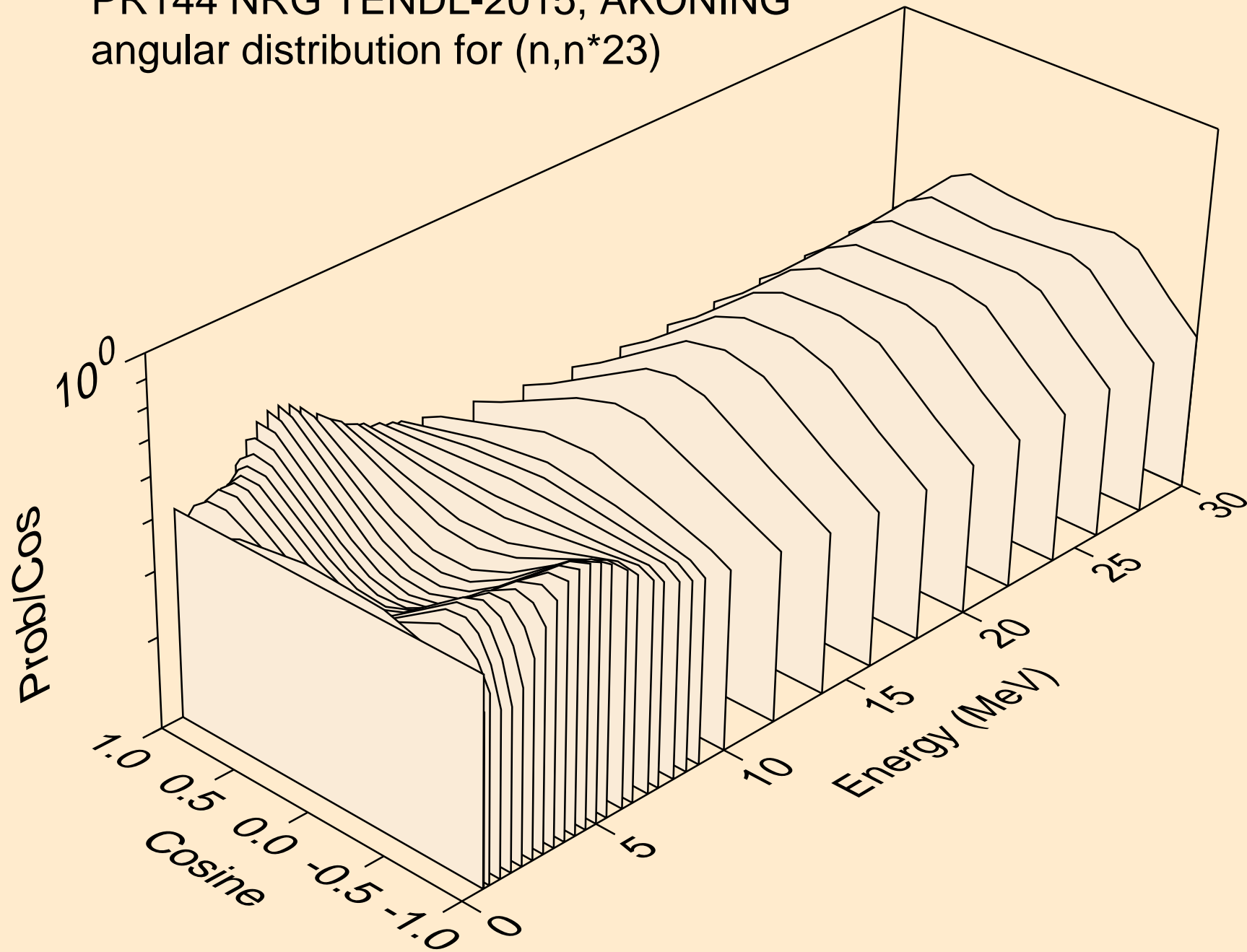


PR144 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)

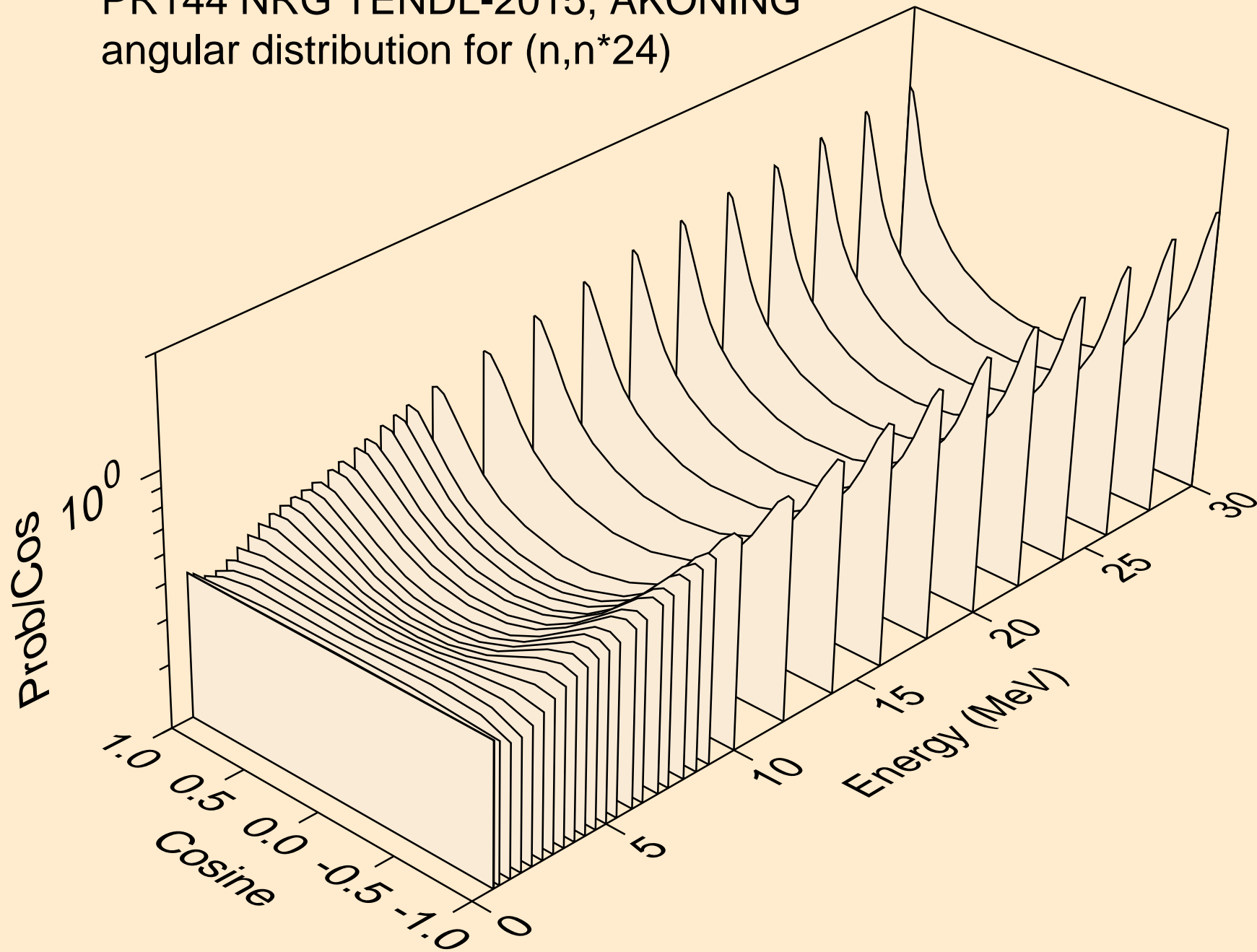




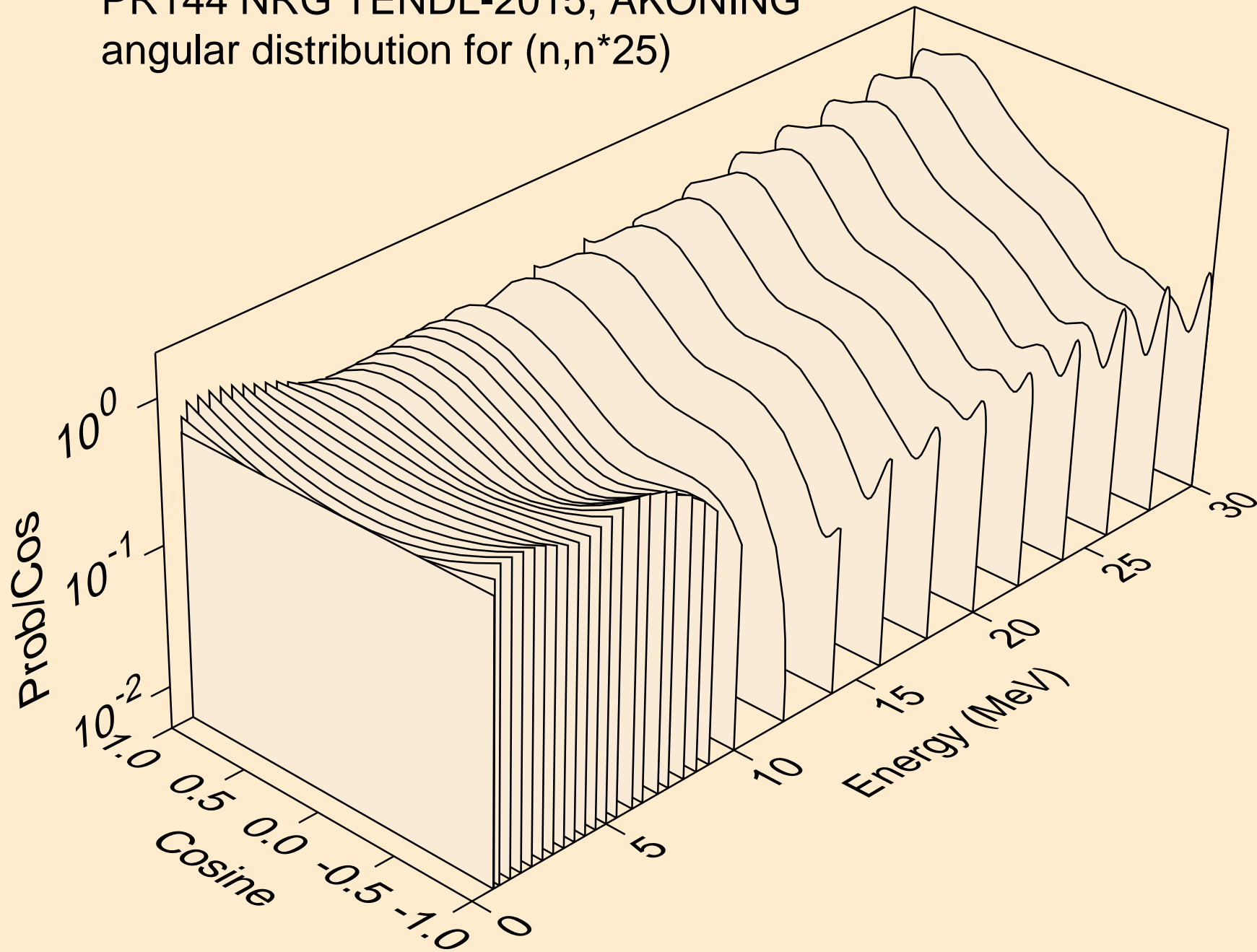
PR144 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)



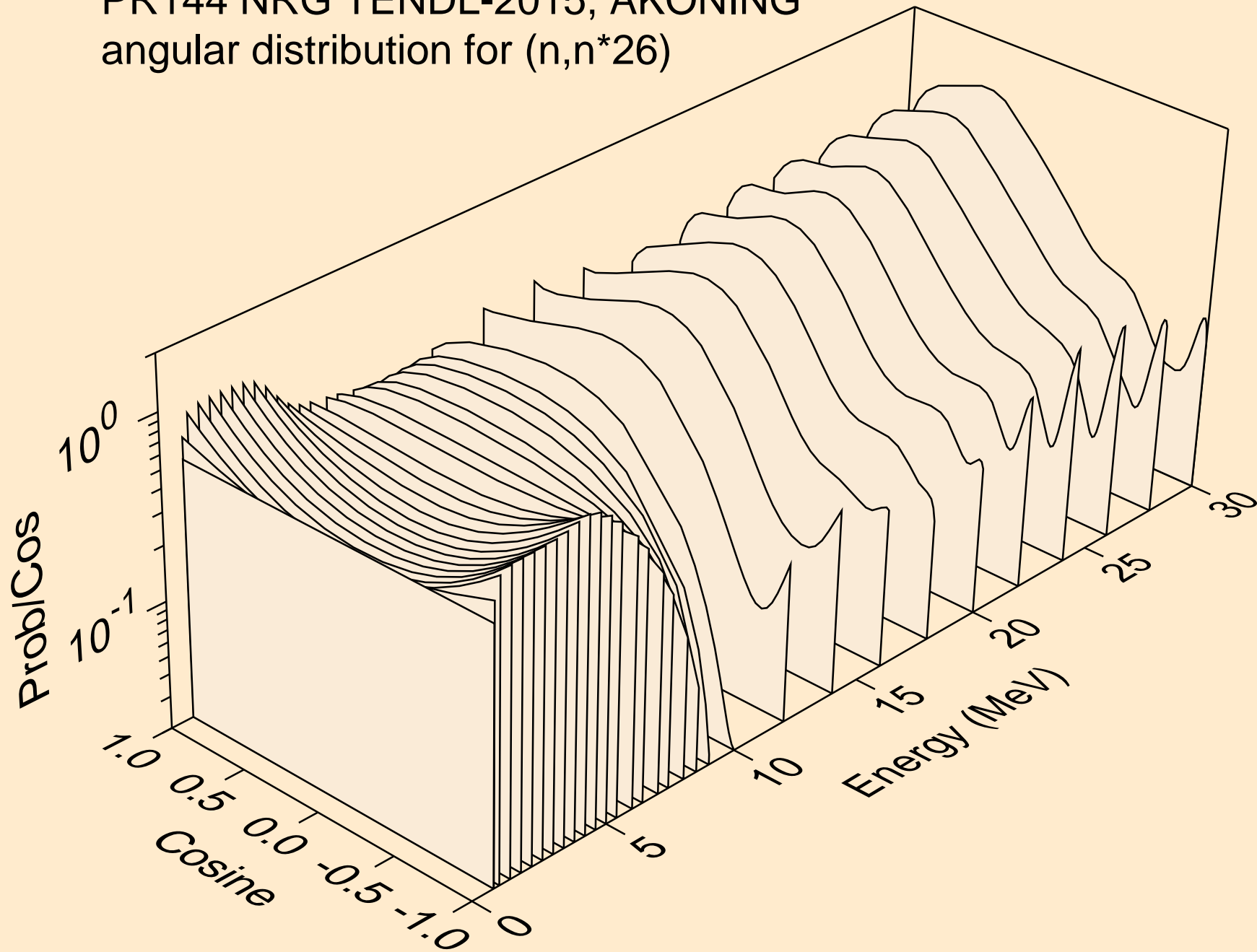
PR144 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)



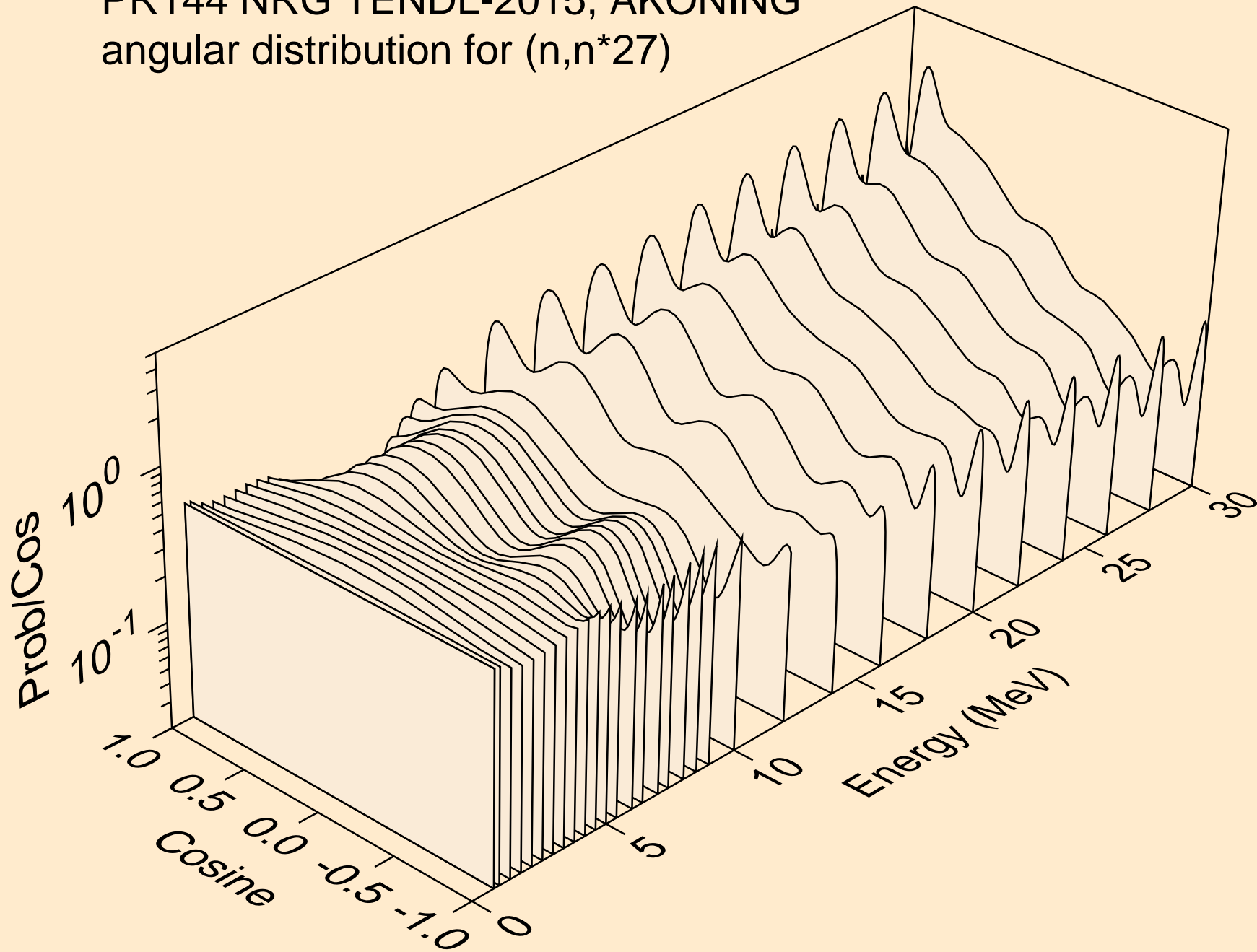
PR144 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



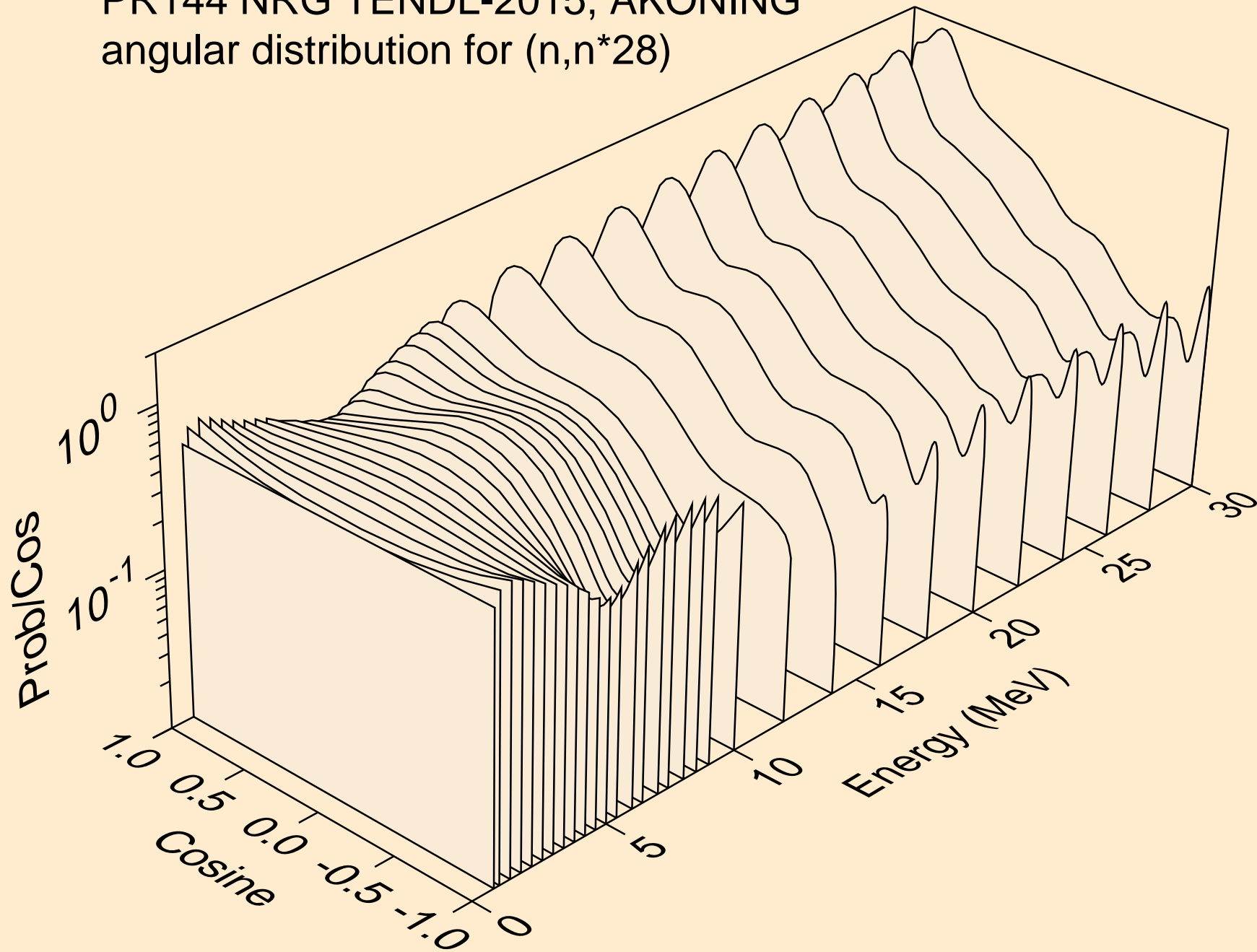
PR144 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



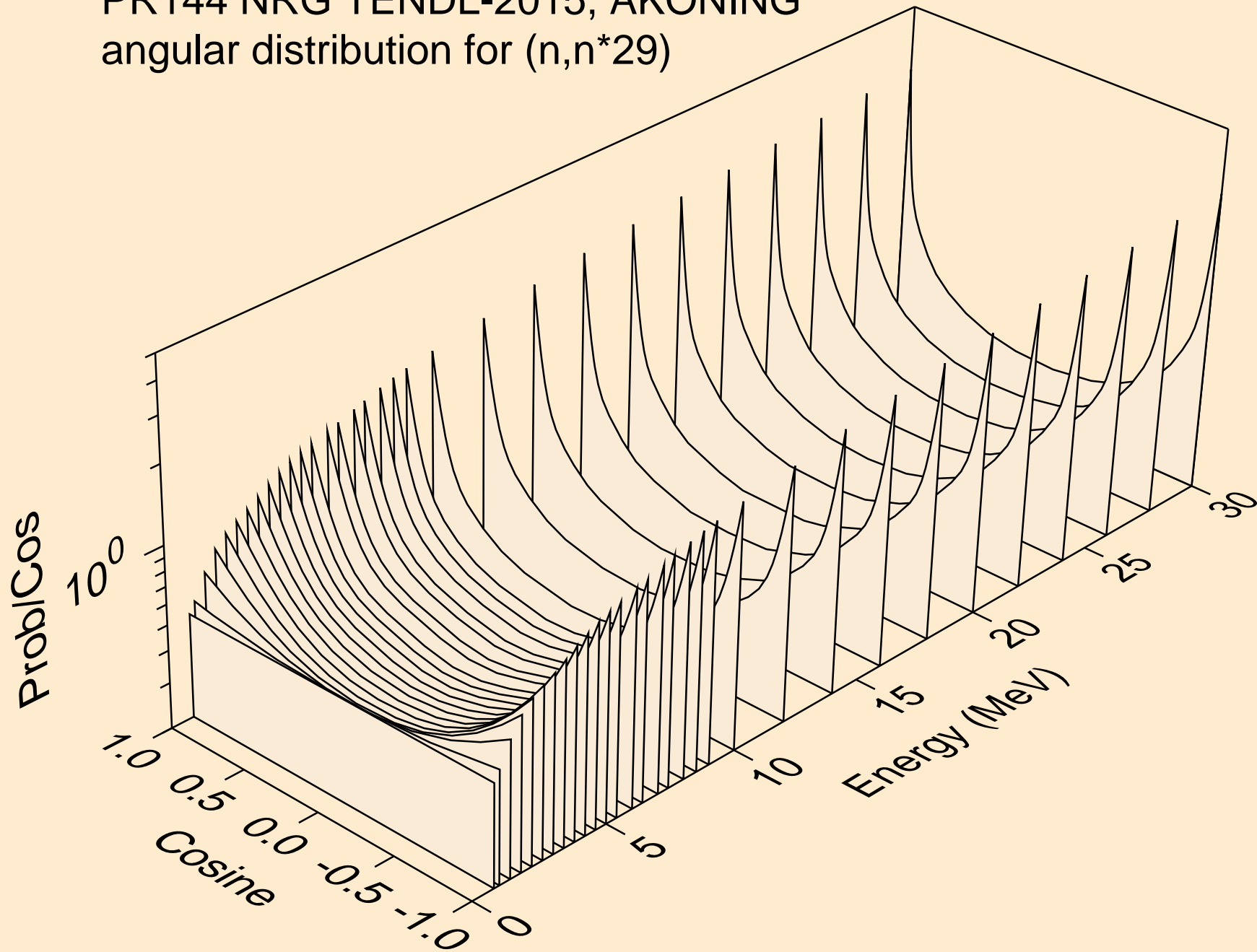
PR144 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*27)



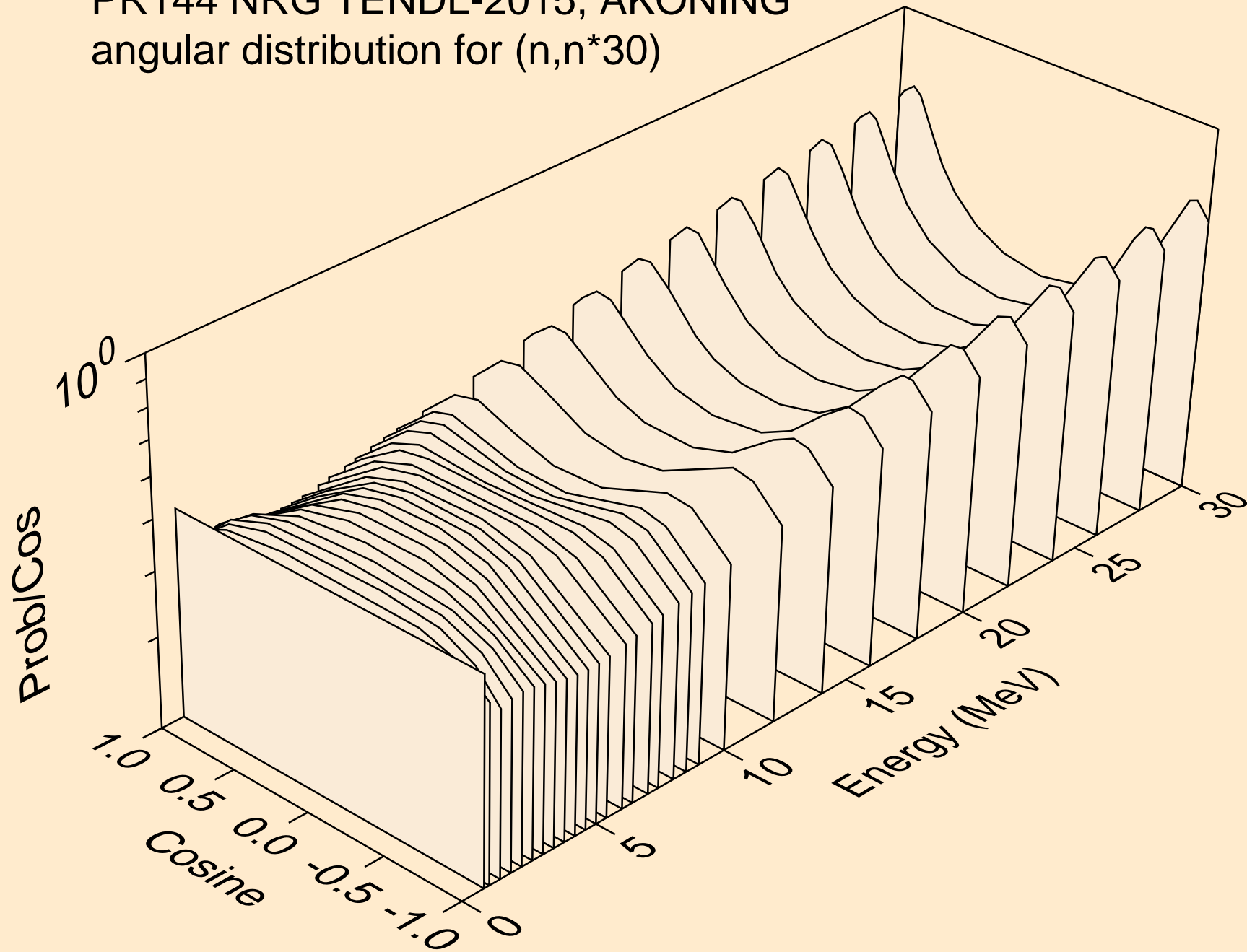
PR144 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)



PR144 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*29)

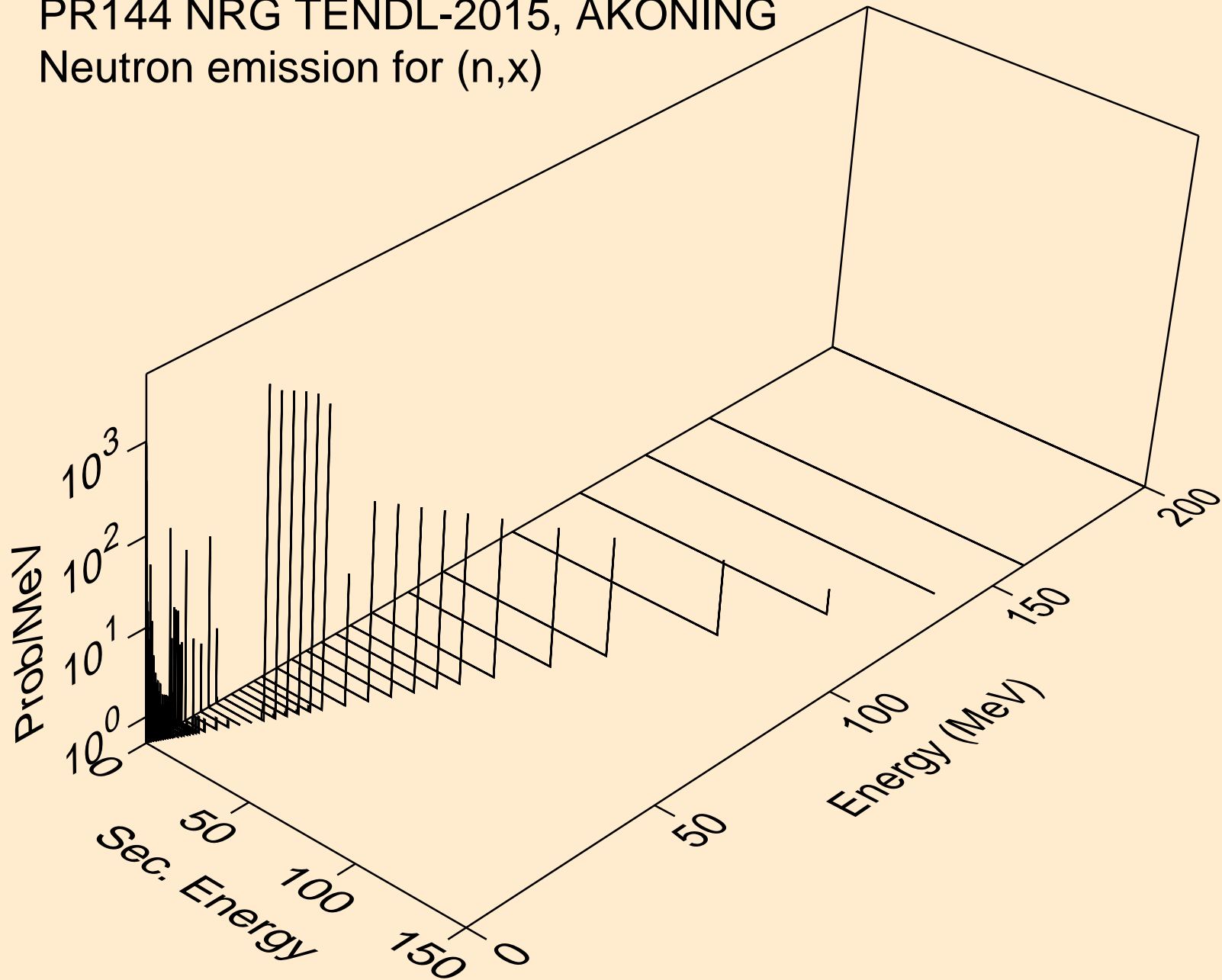


PR144 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*30)

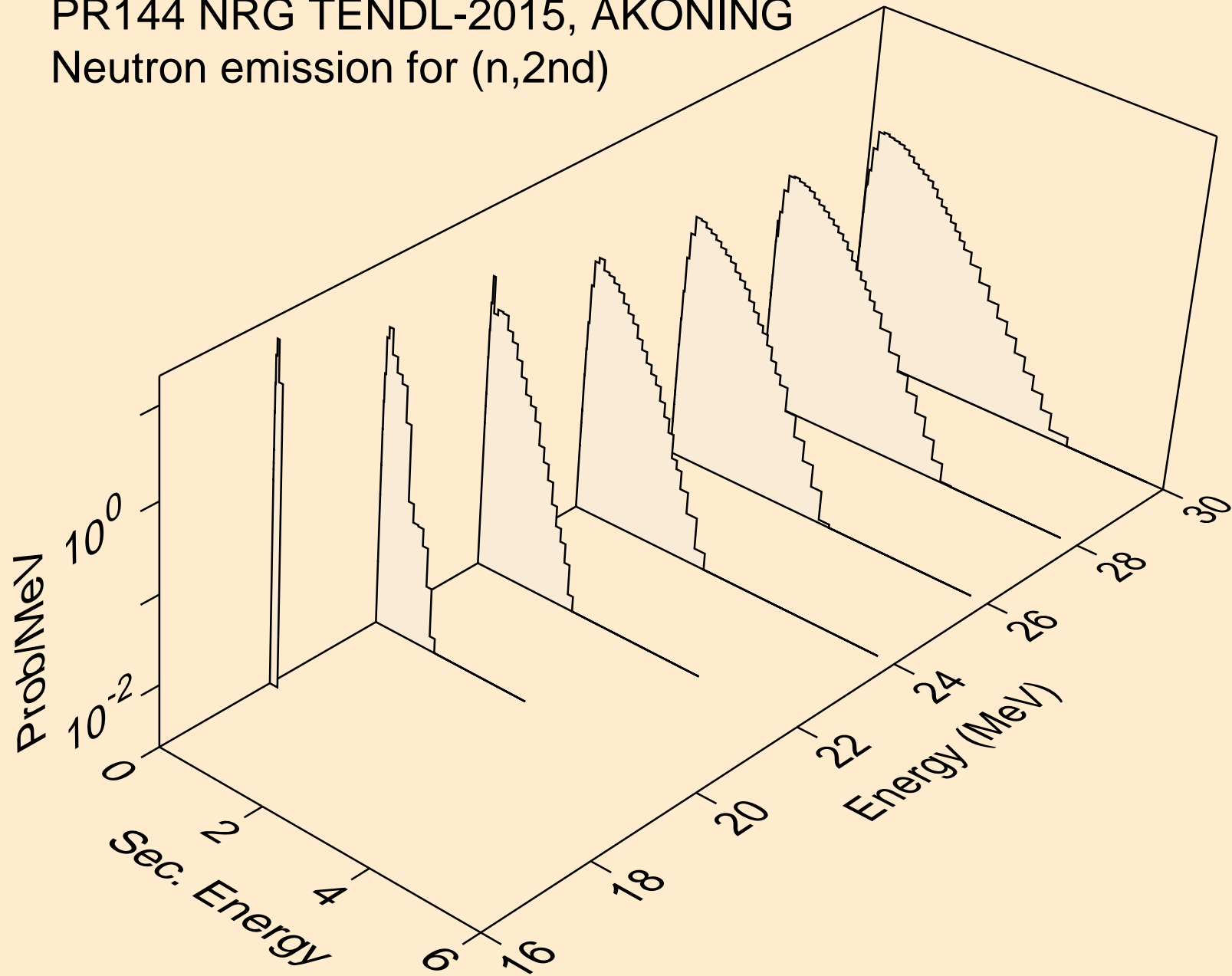




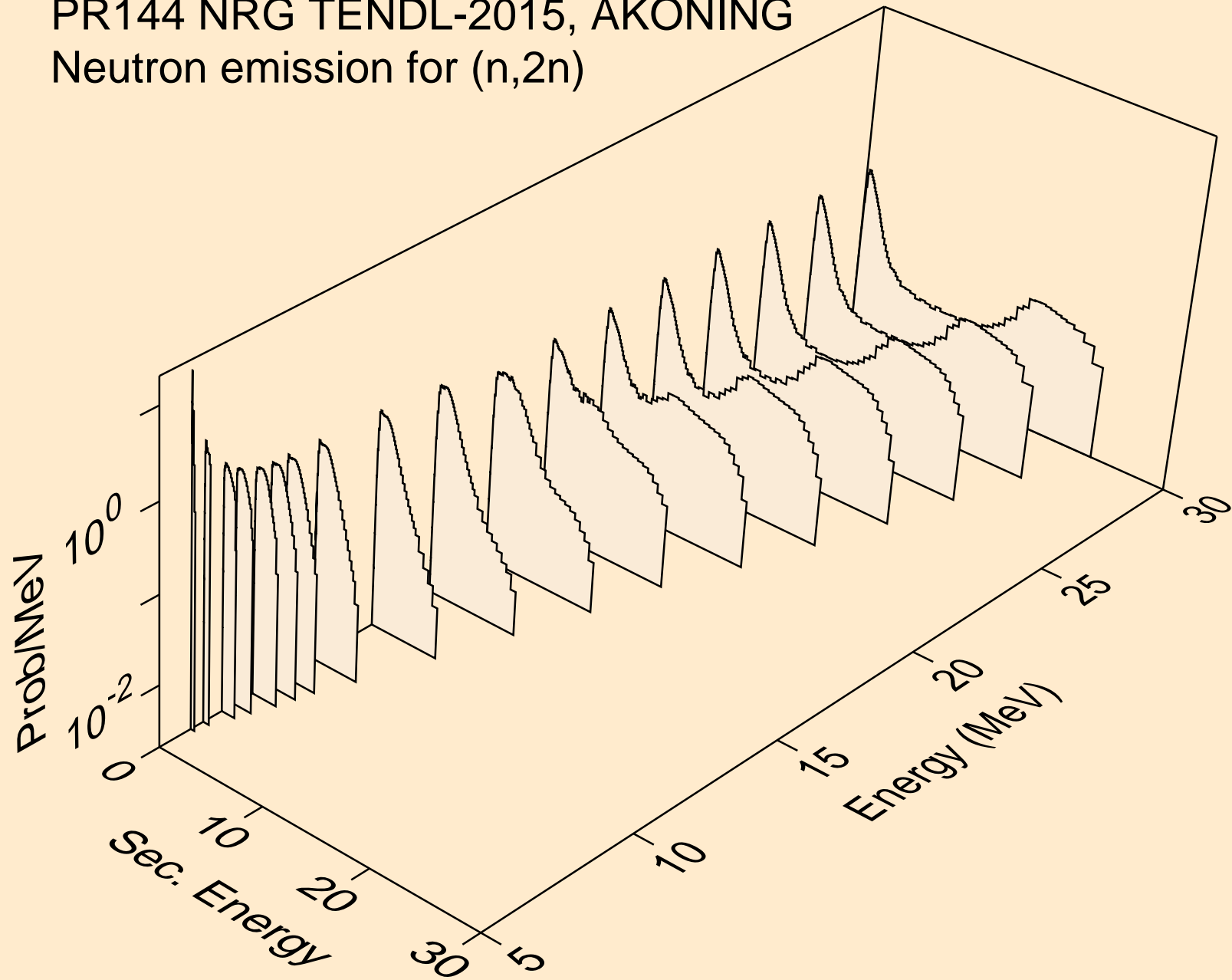
PR144 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



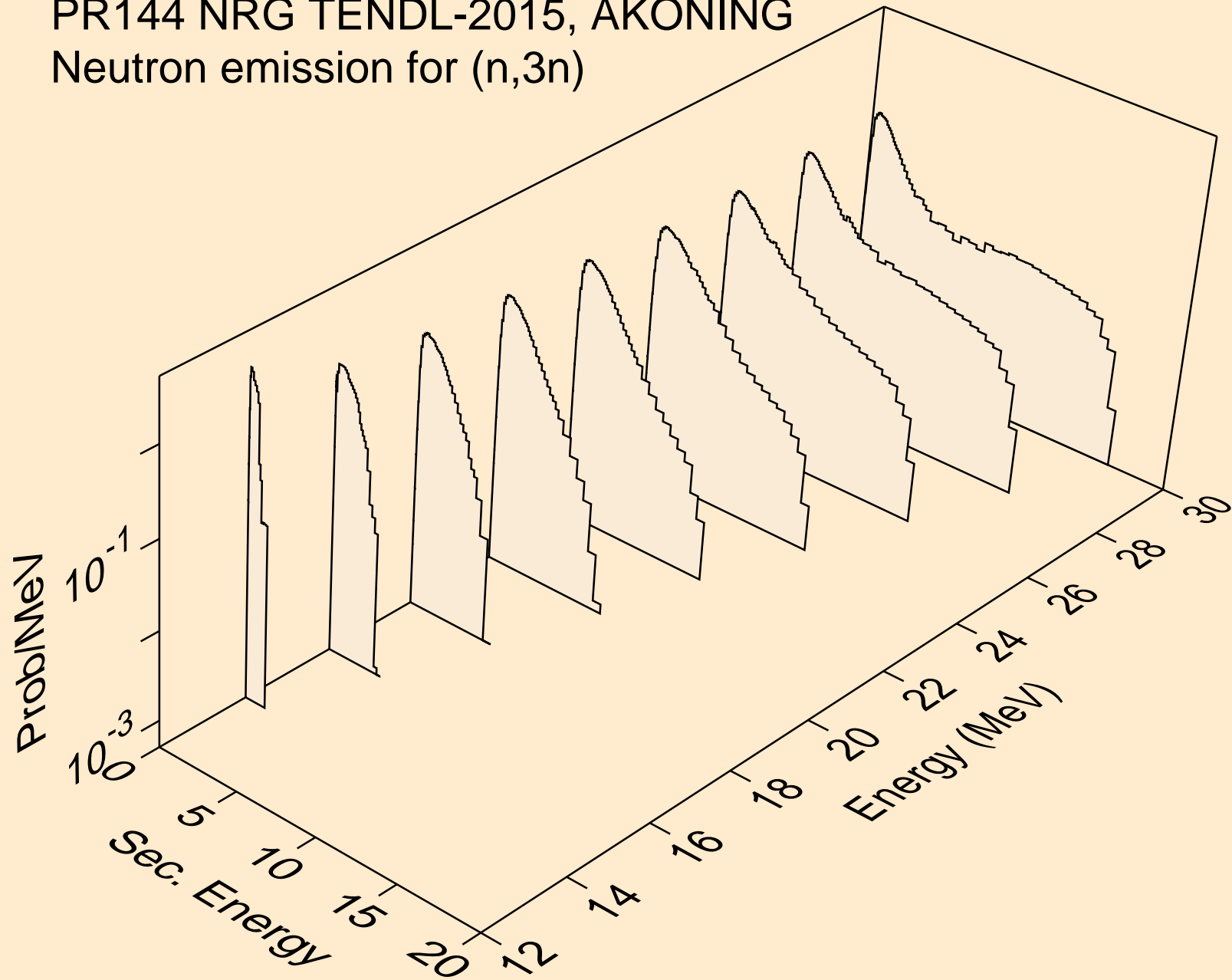
PR144 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



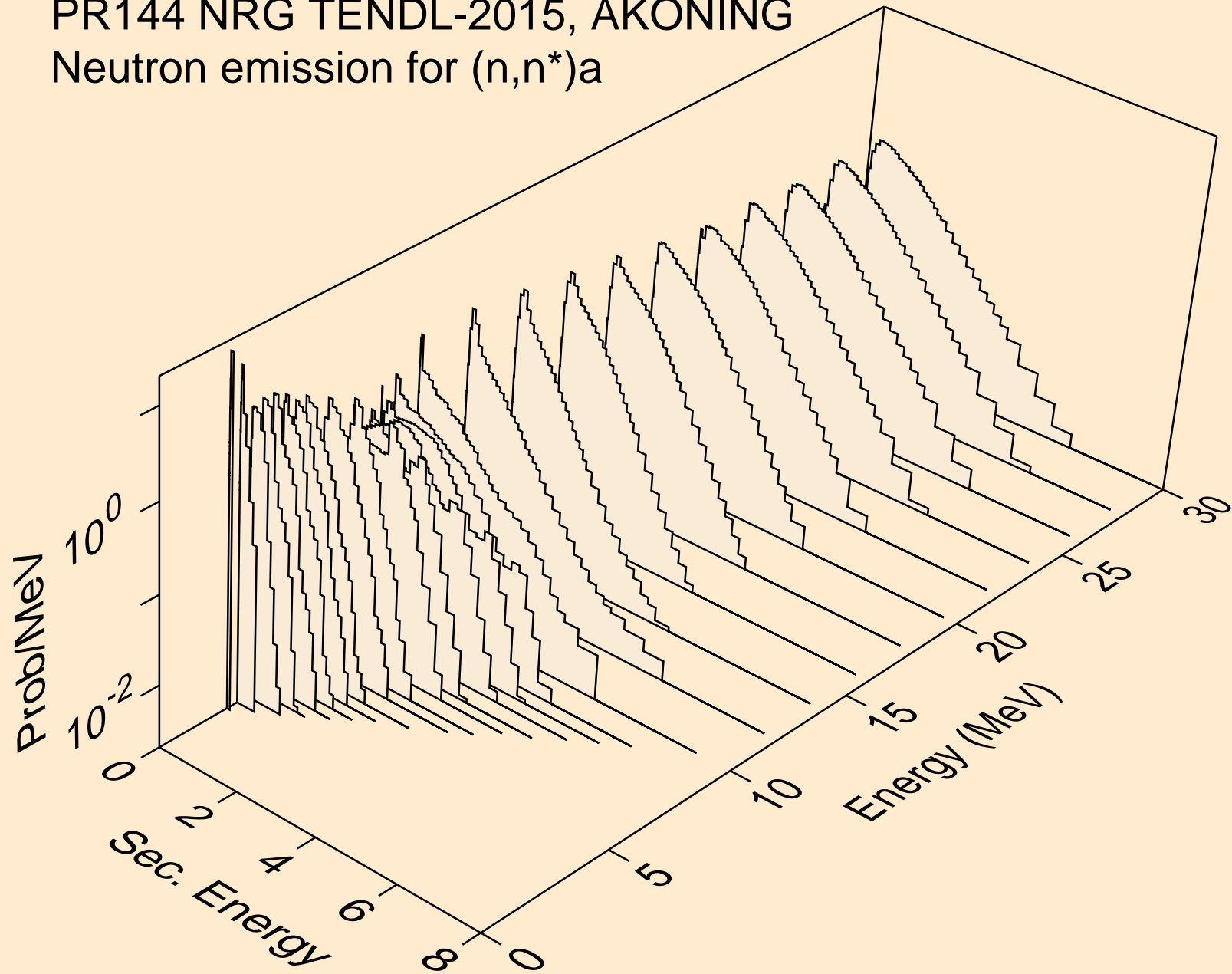
PR144 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



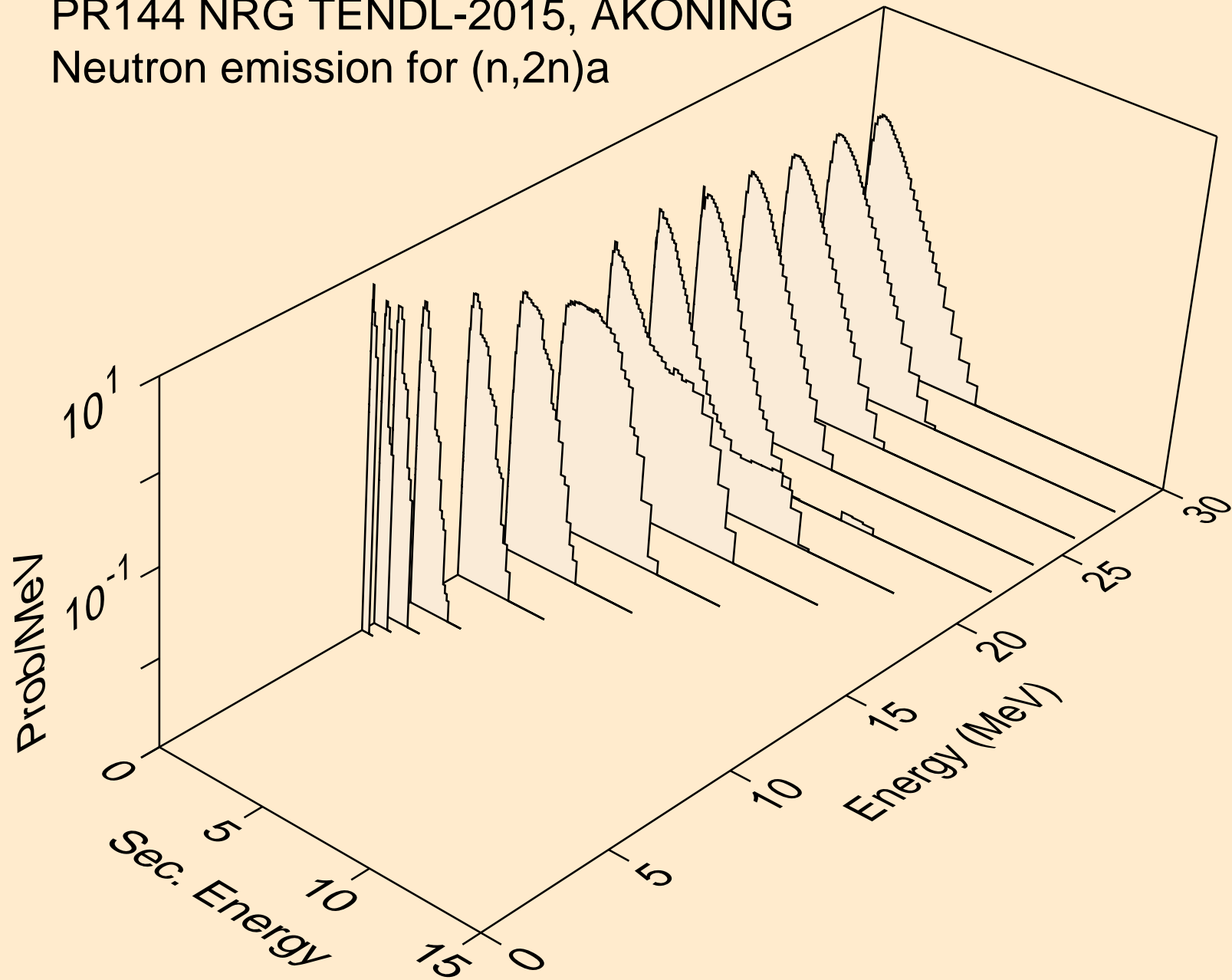
PR144 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



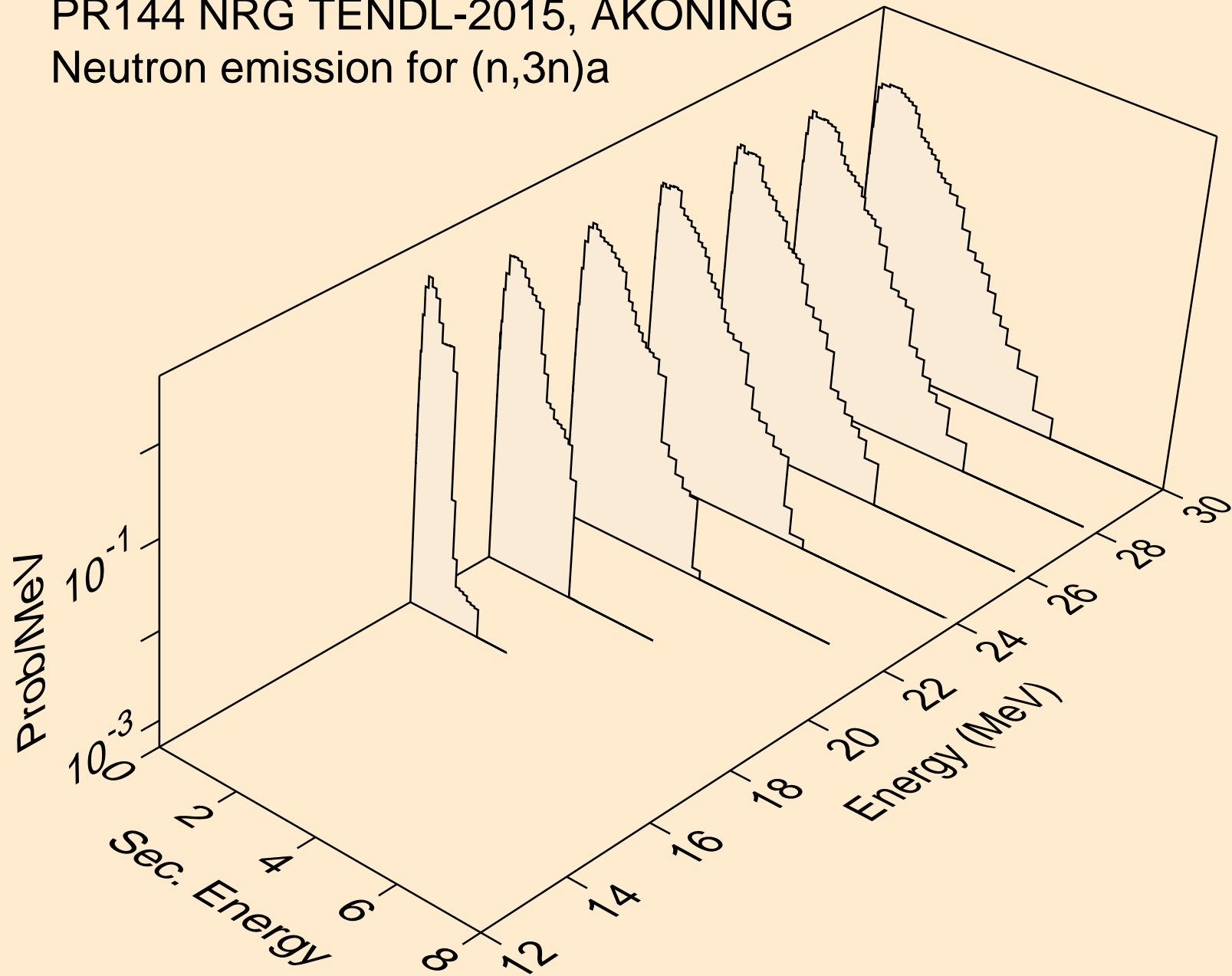
PR144 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



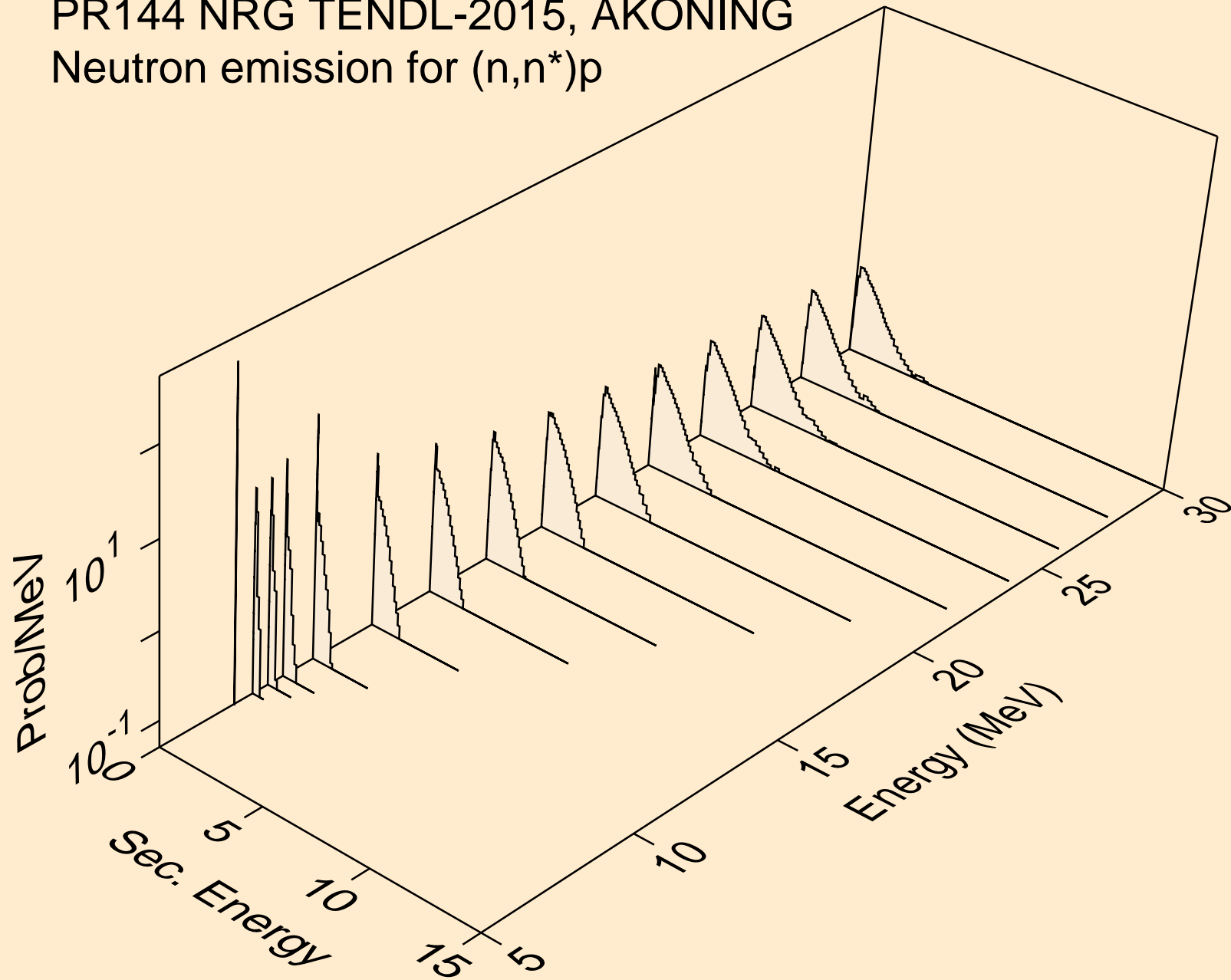
PR144 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



PR144 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a

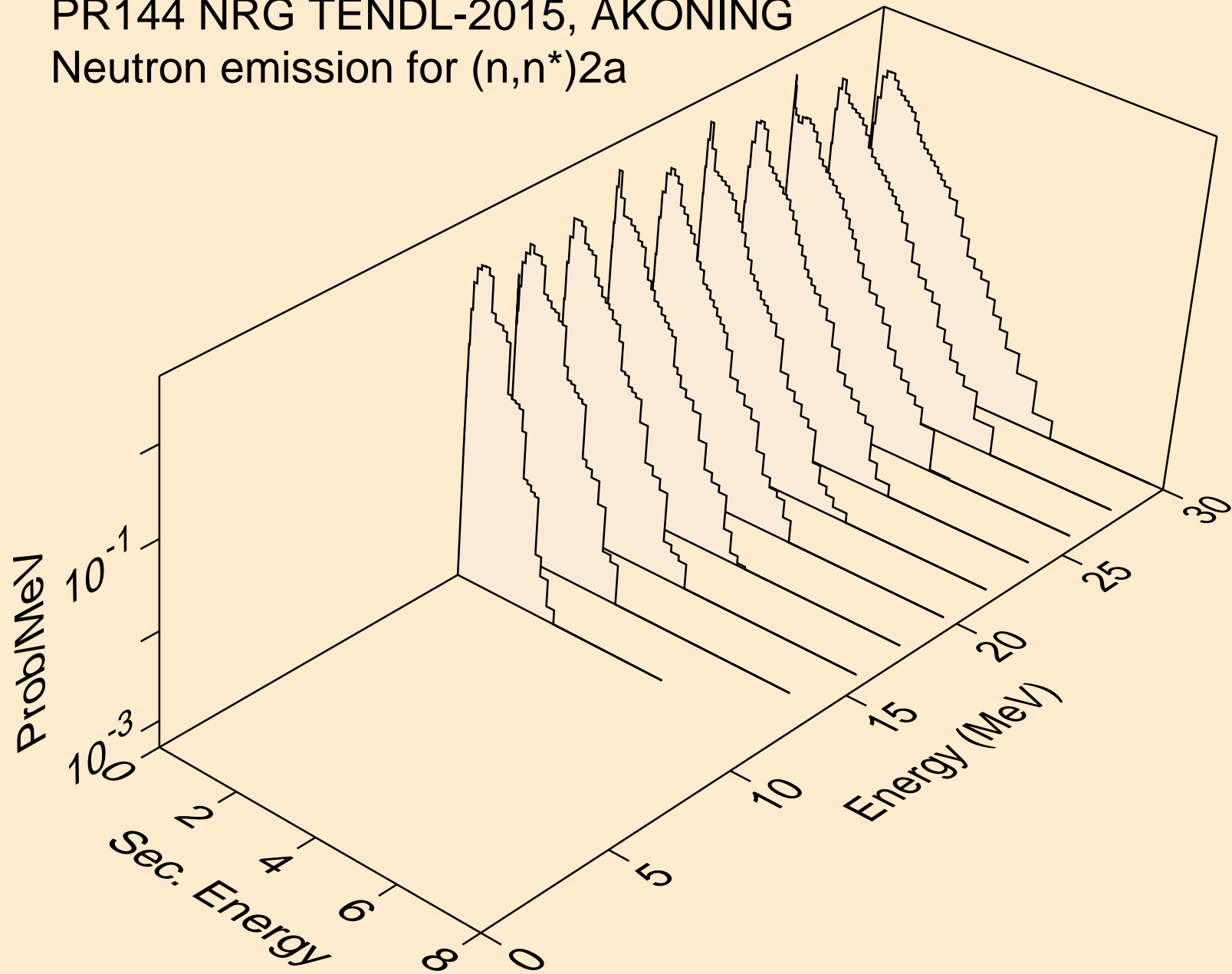


PR144 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p

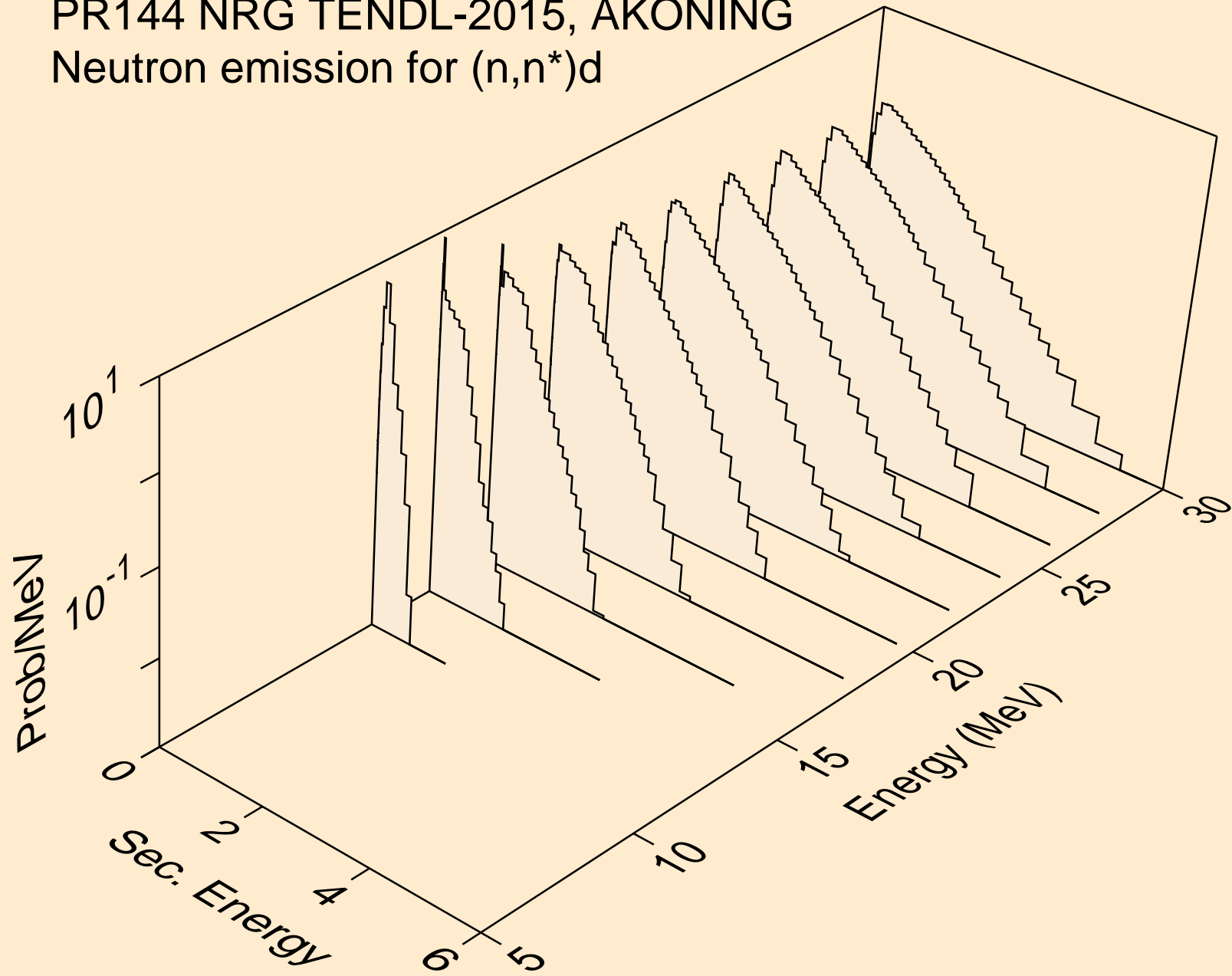




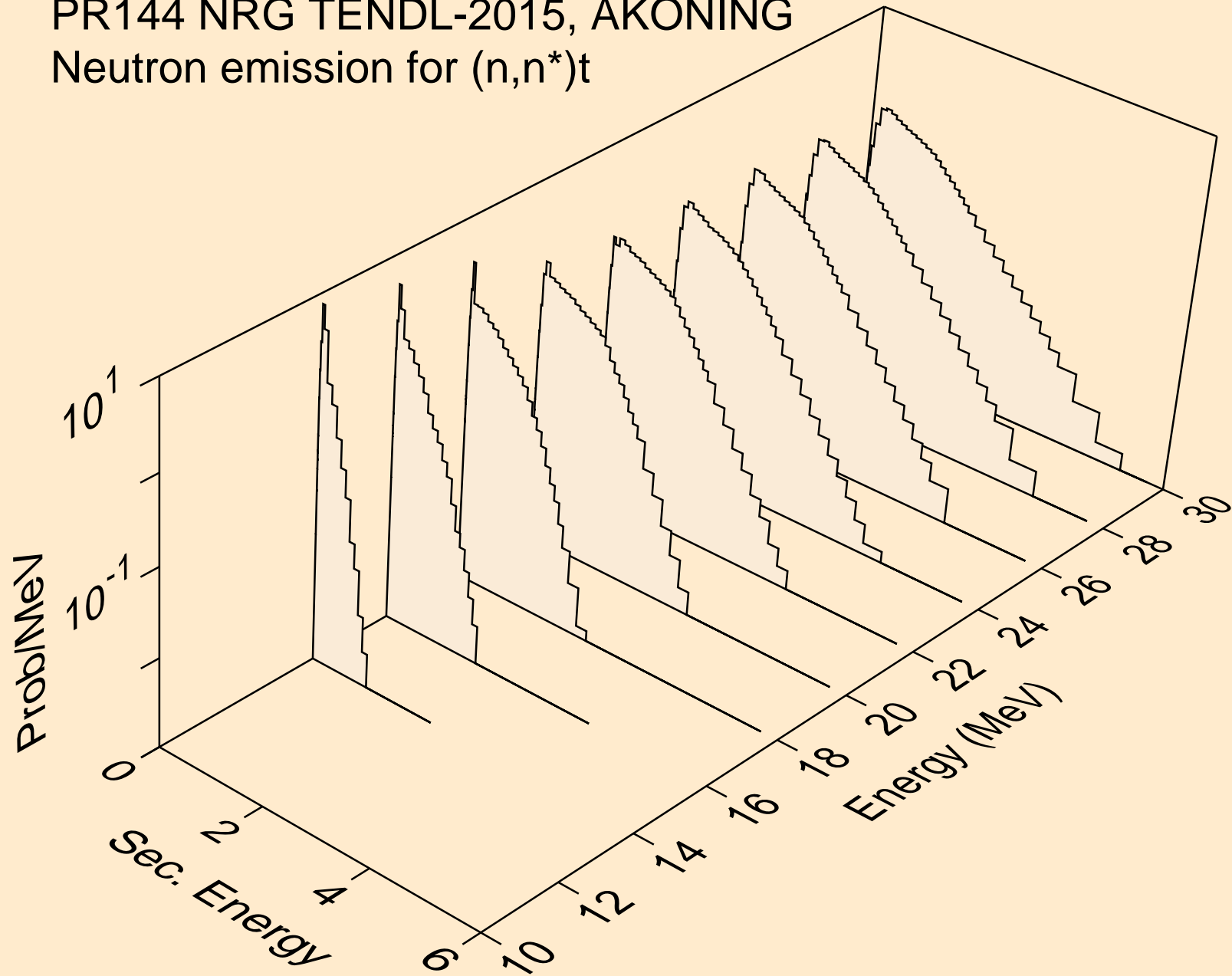
PR144 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



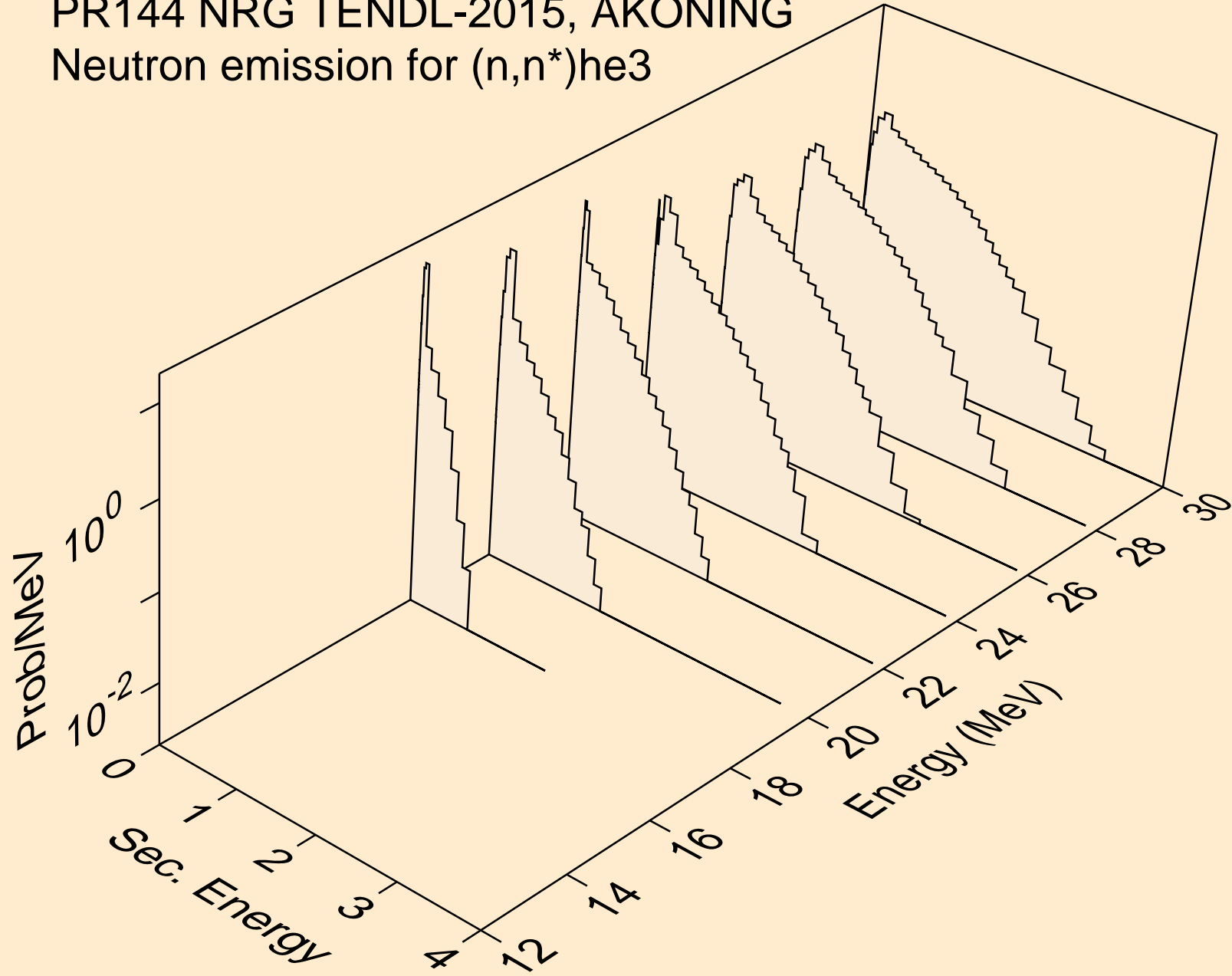
PR144 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



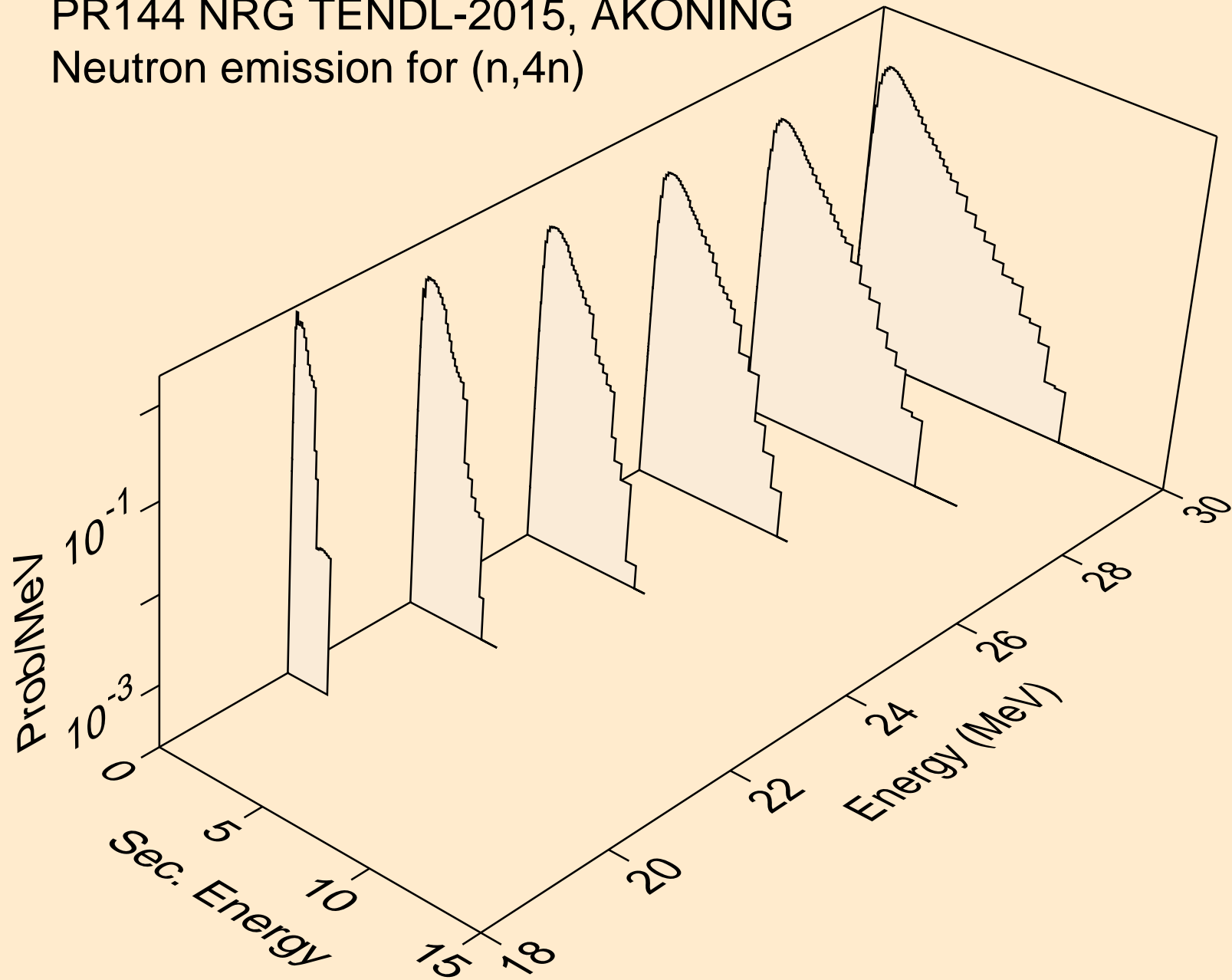
PR144 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



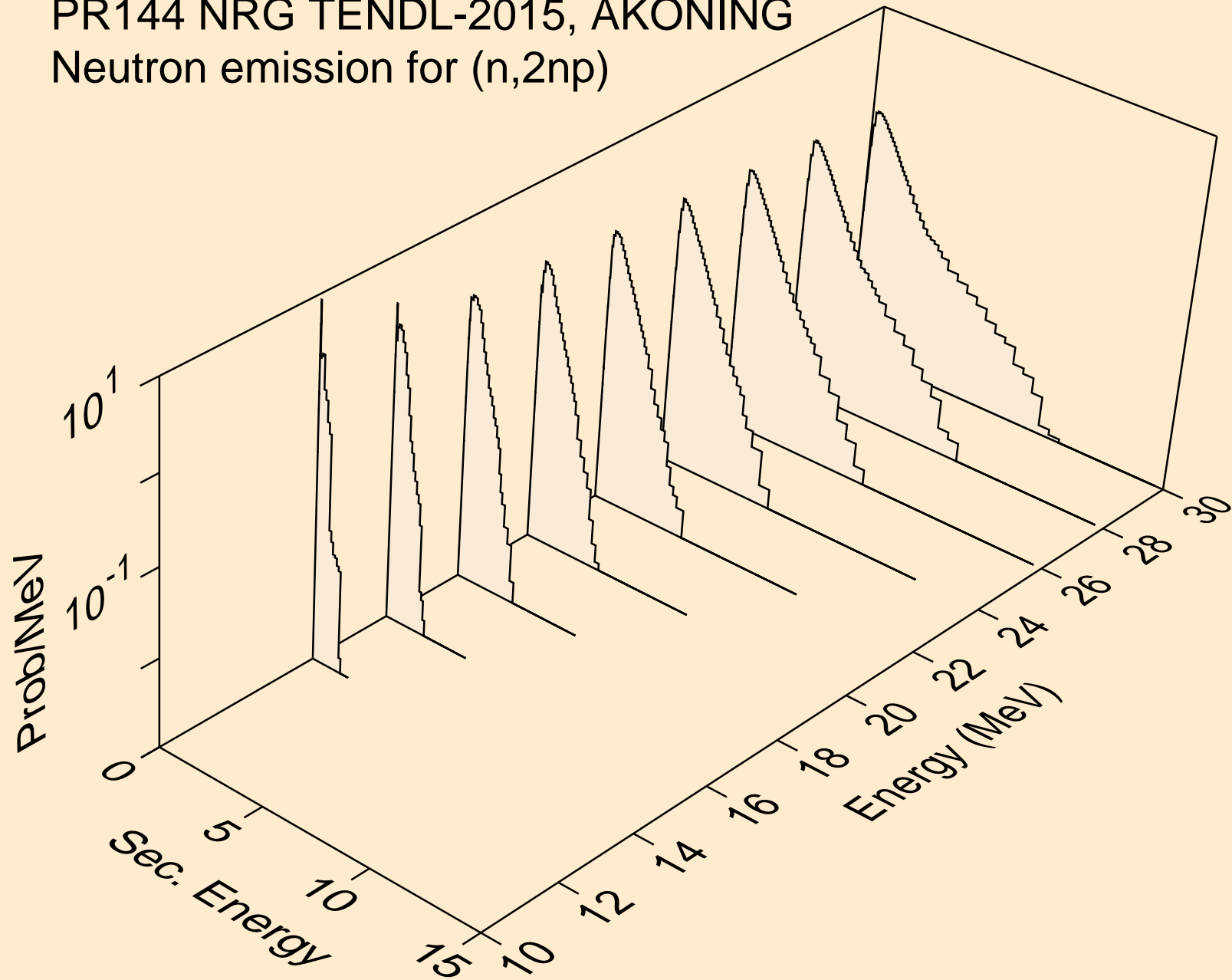
PR144 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



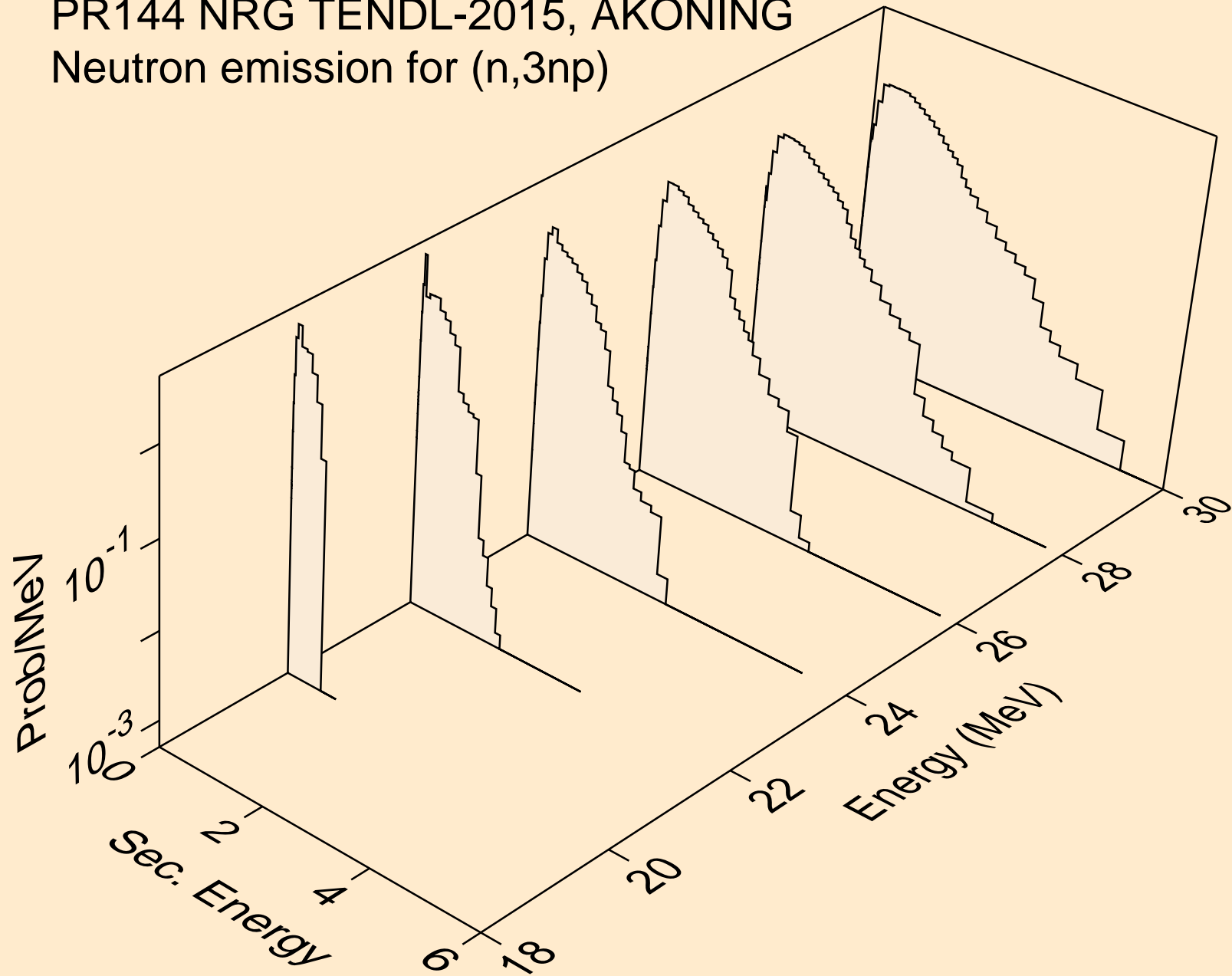
PR144 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



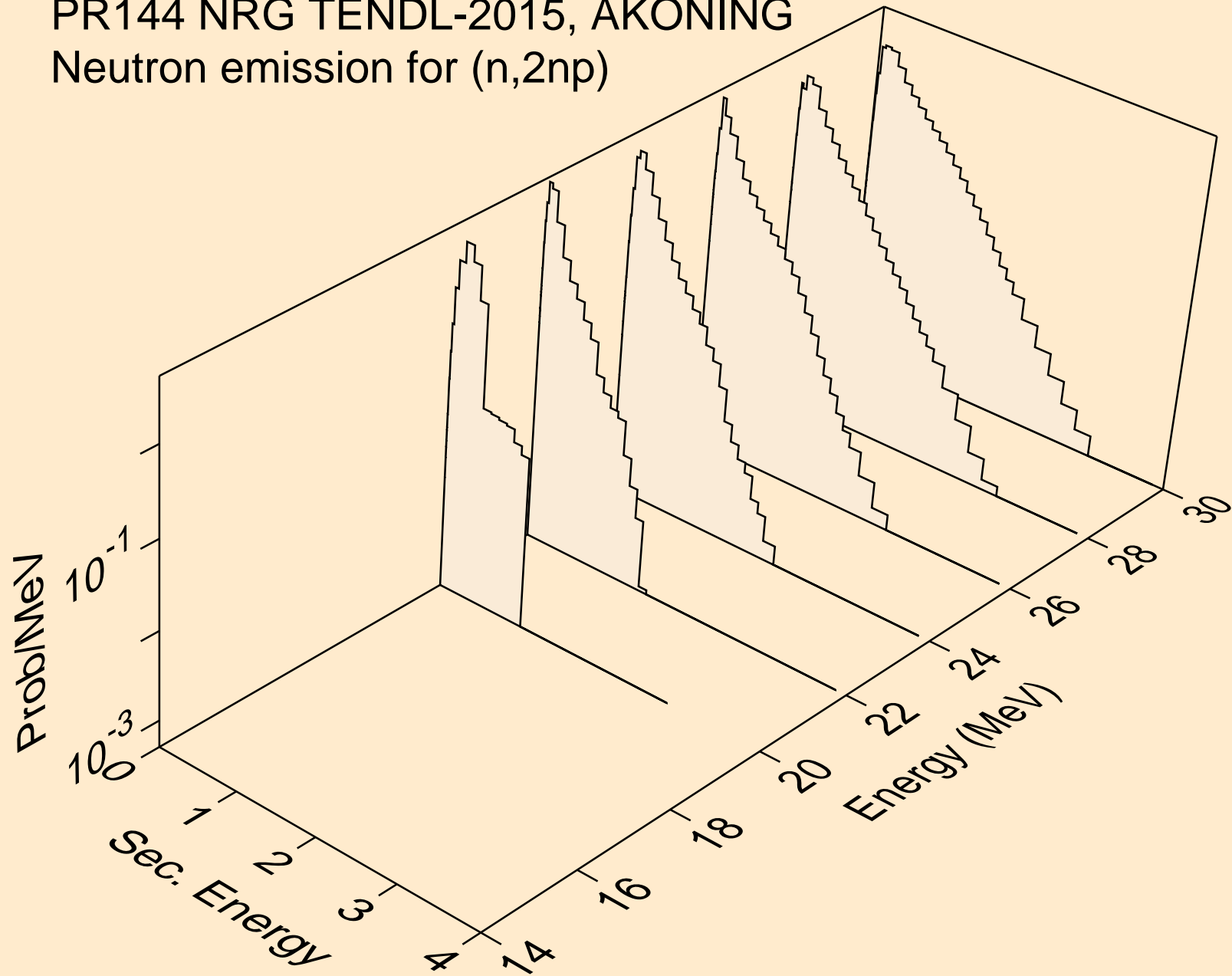
PR144 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



PR144 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)

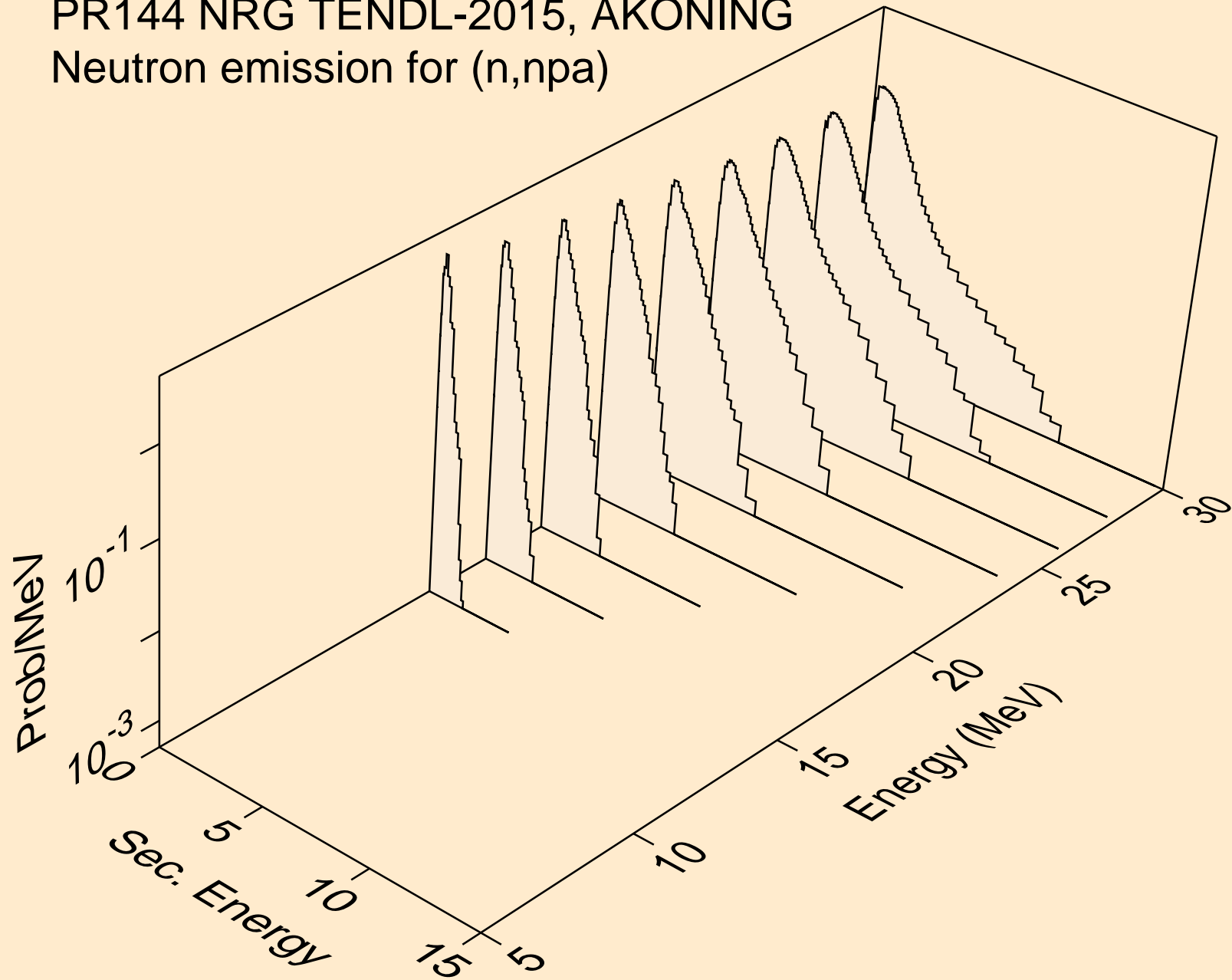


PR144 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)

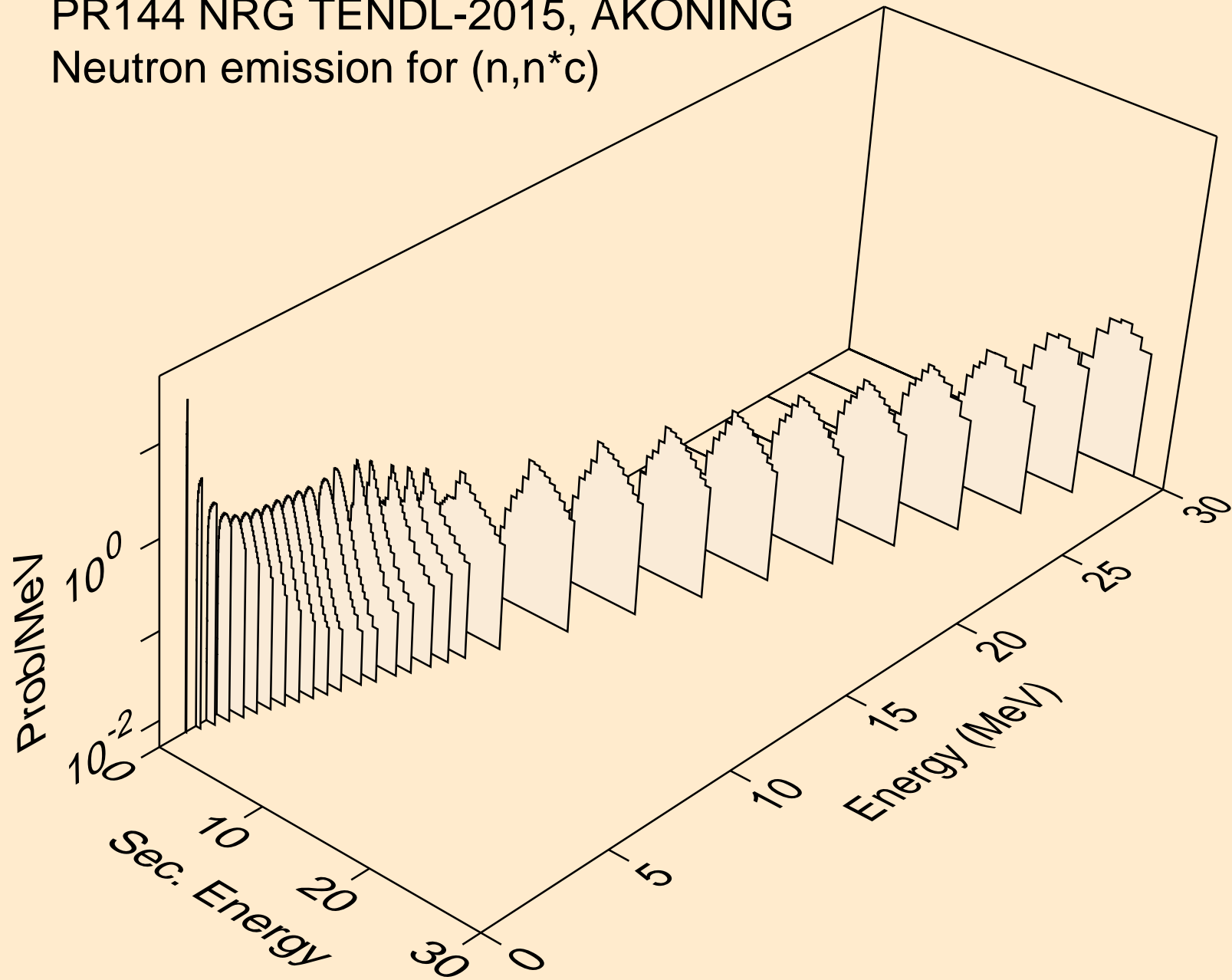




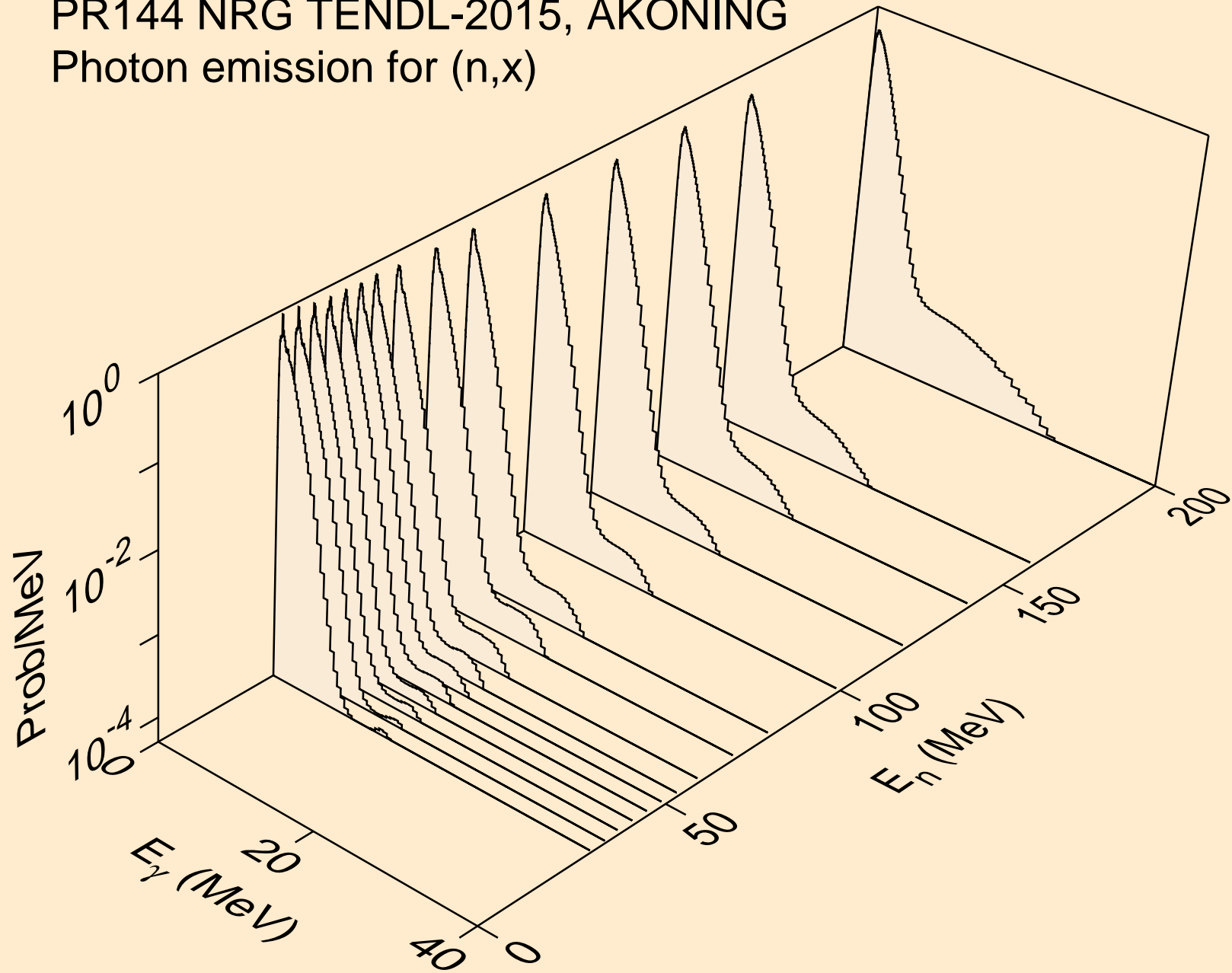
PR144 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



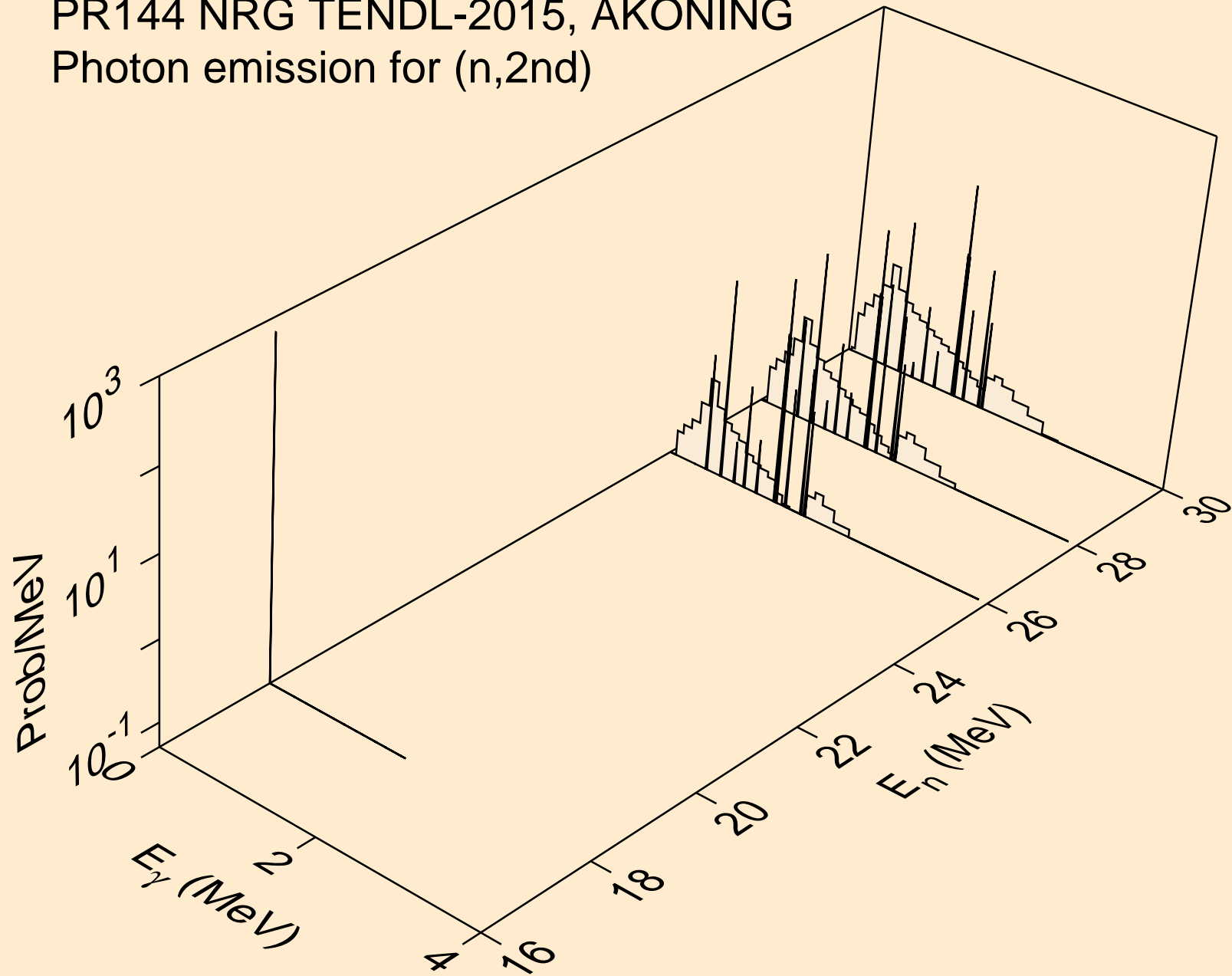
PR144 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



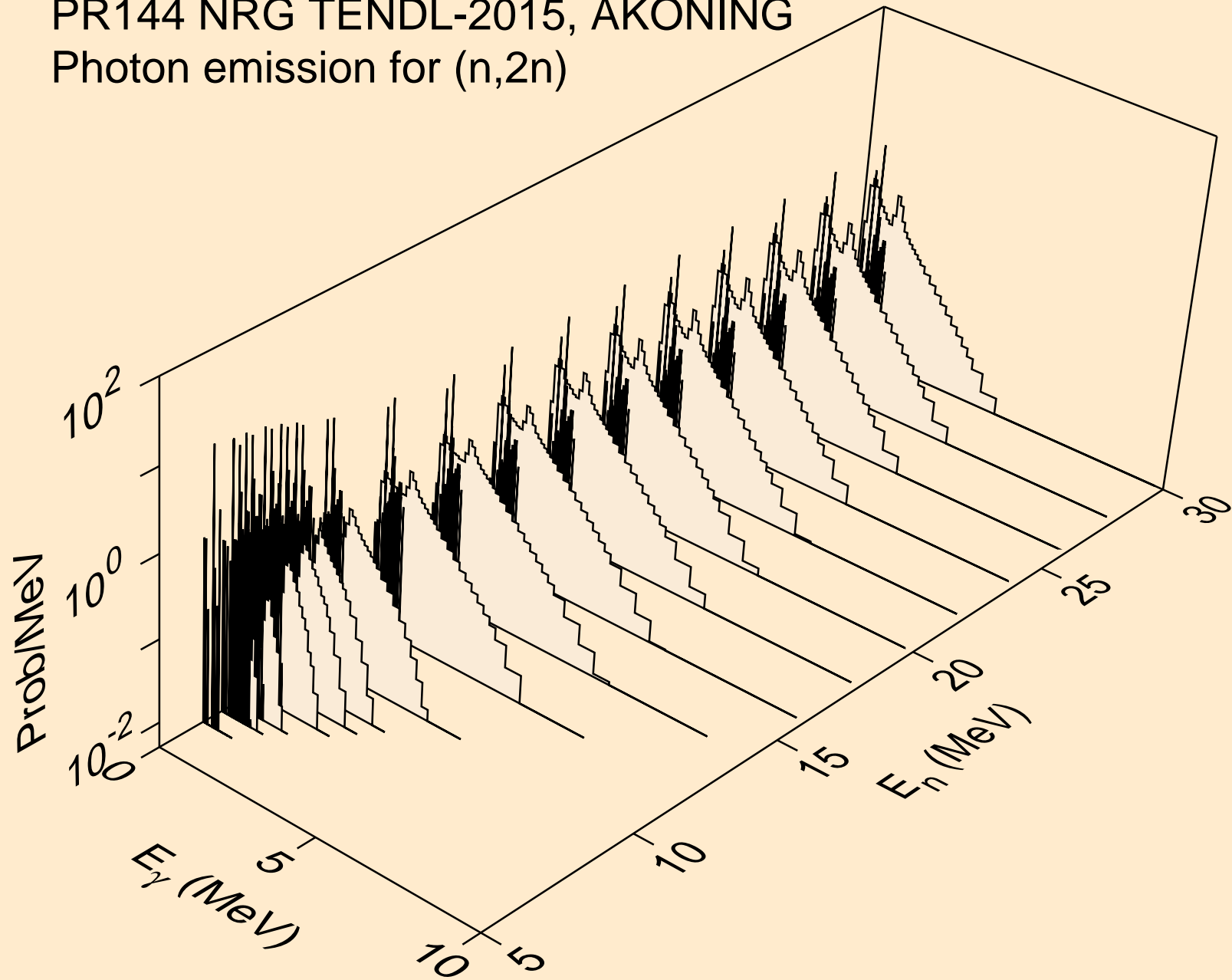
PR144 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



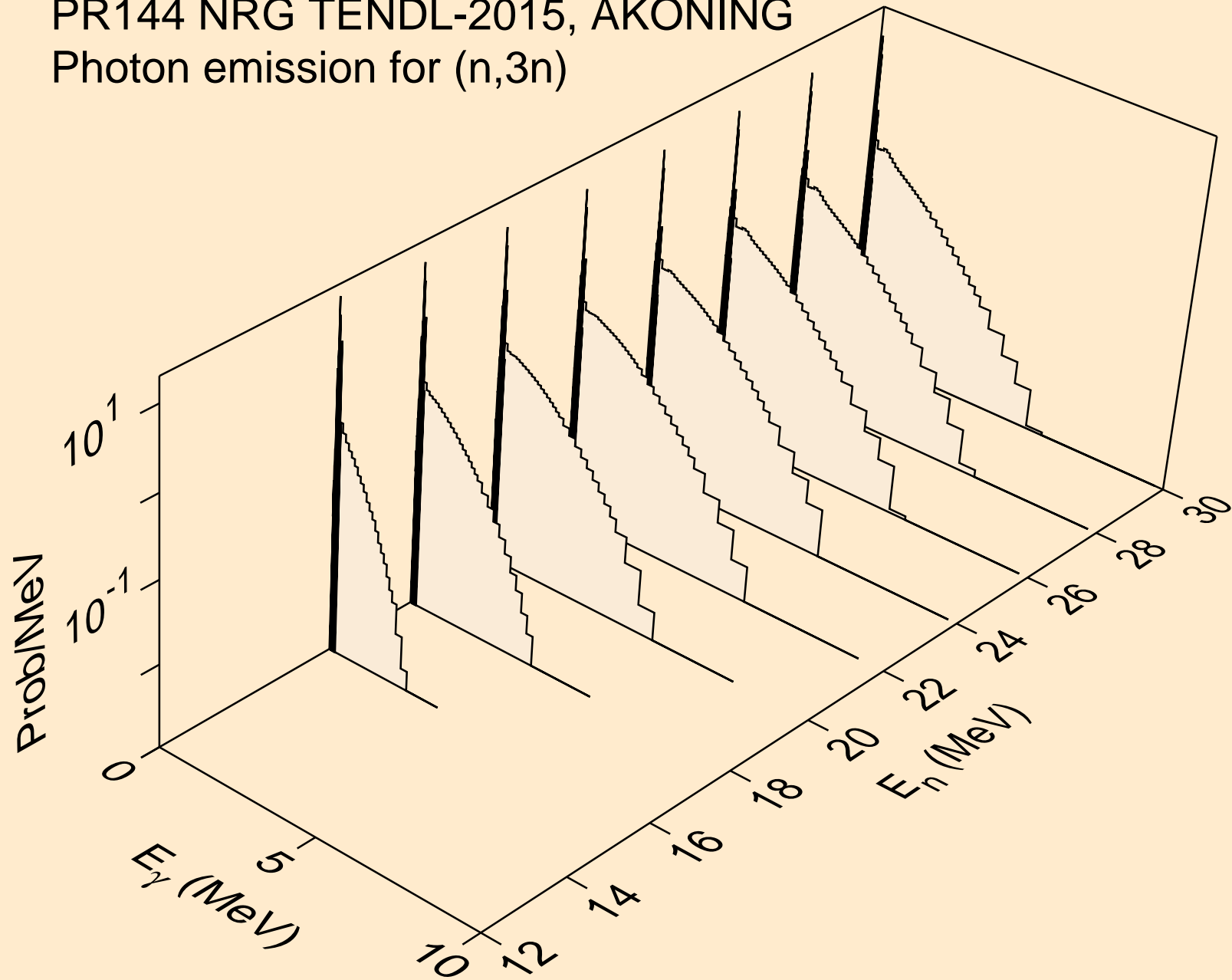
PR144 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



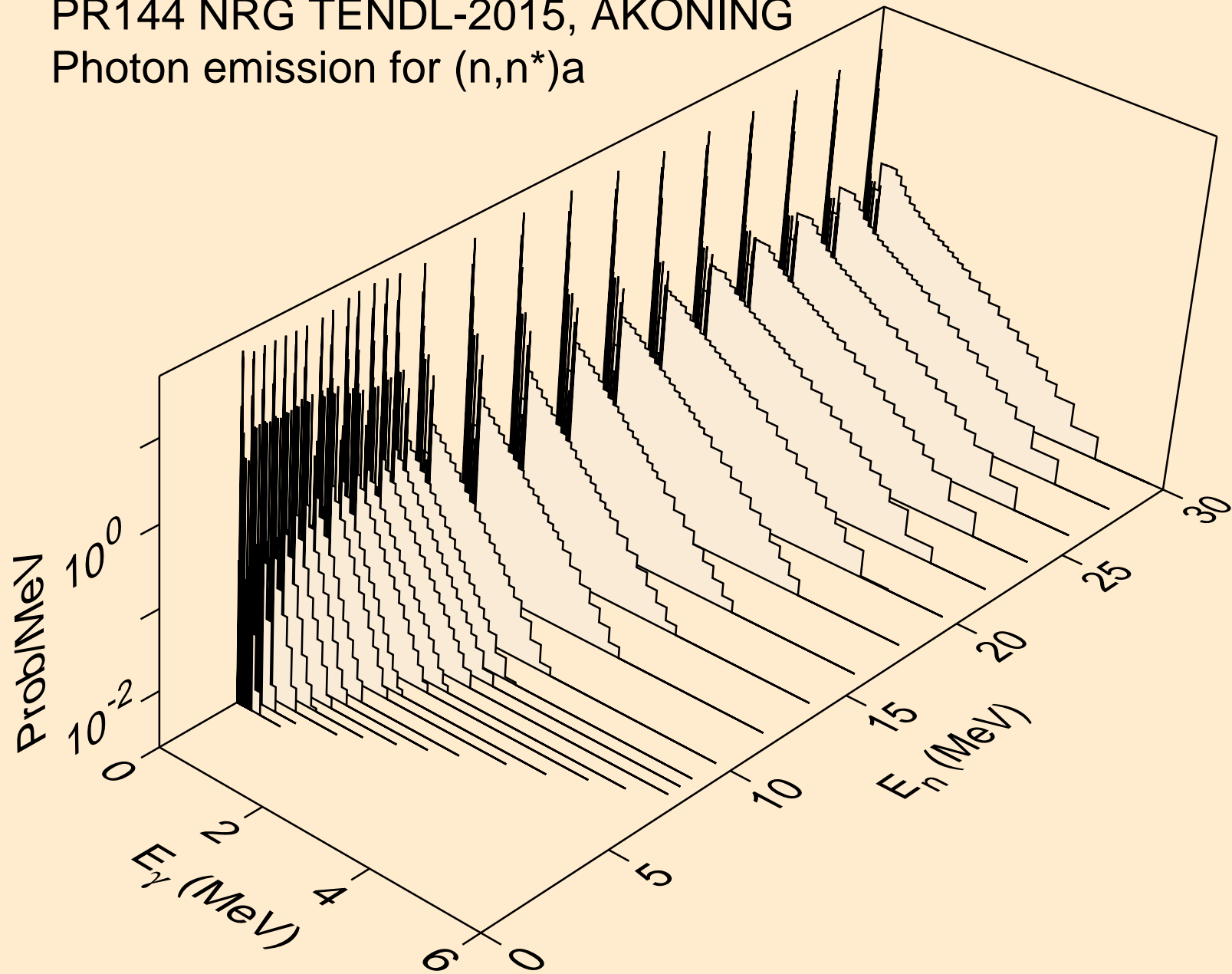
PR144 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



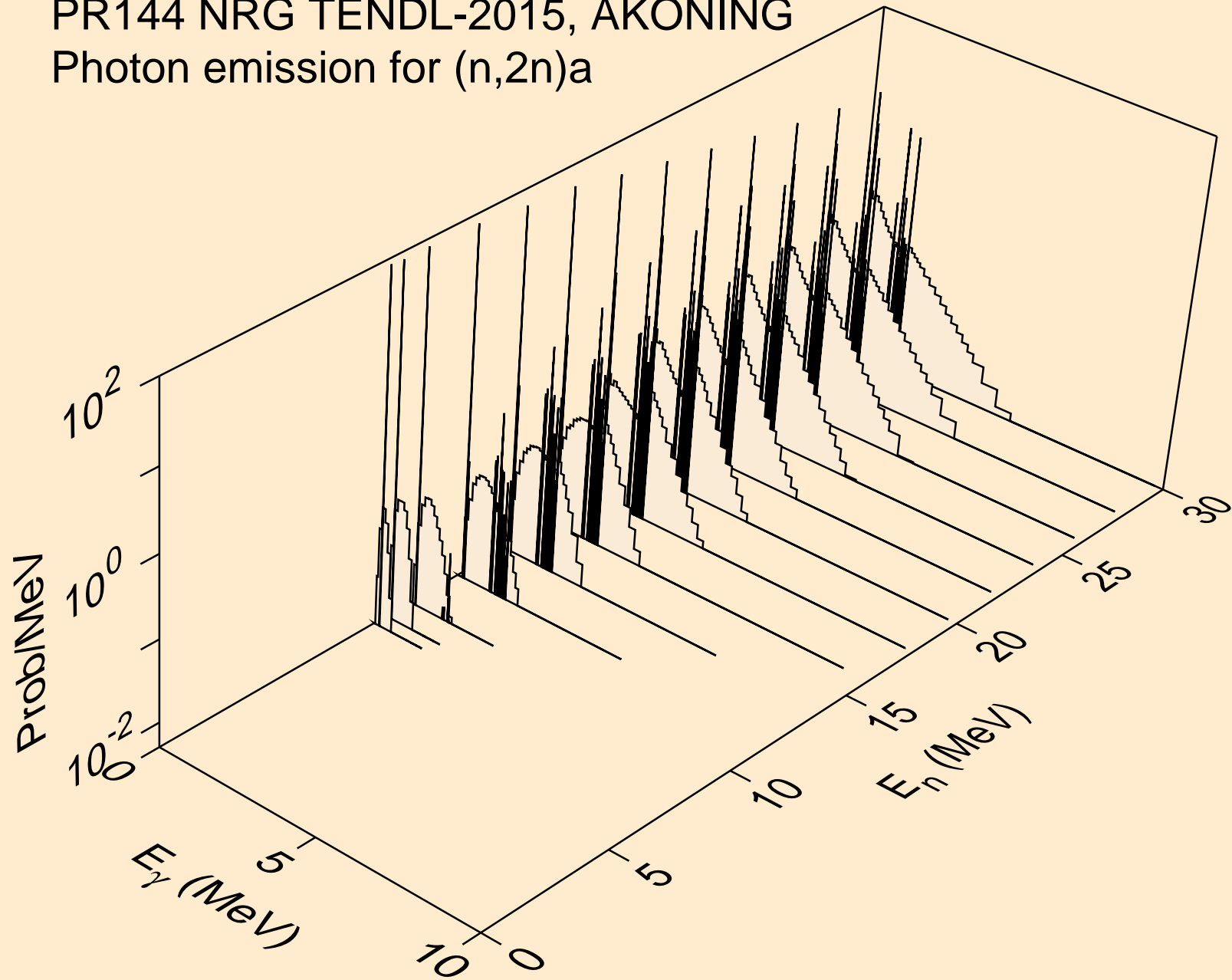
PR144 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



PR144 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a

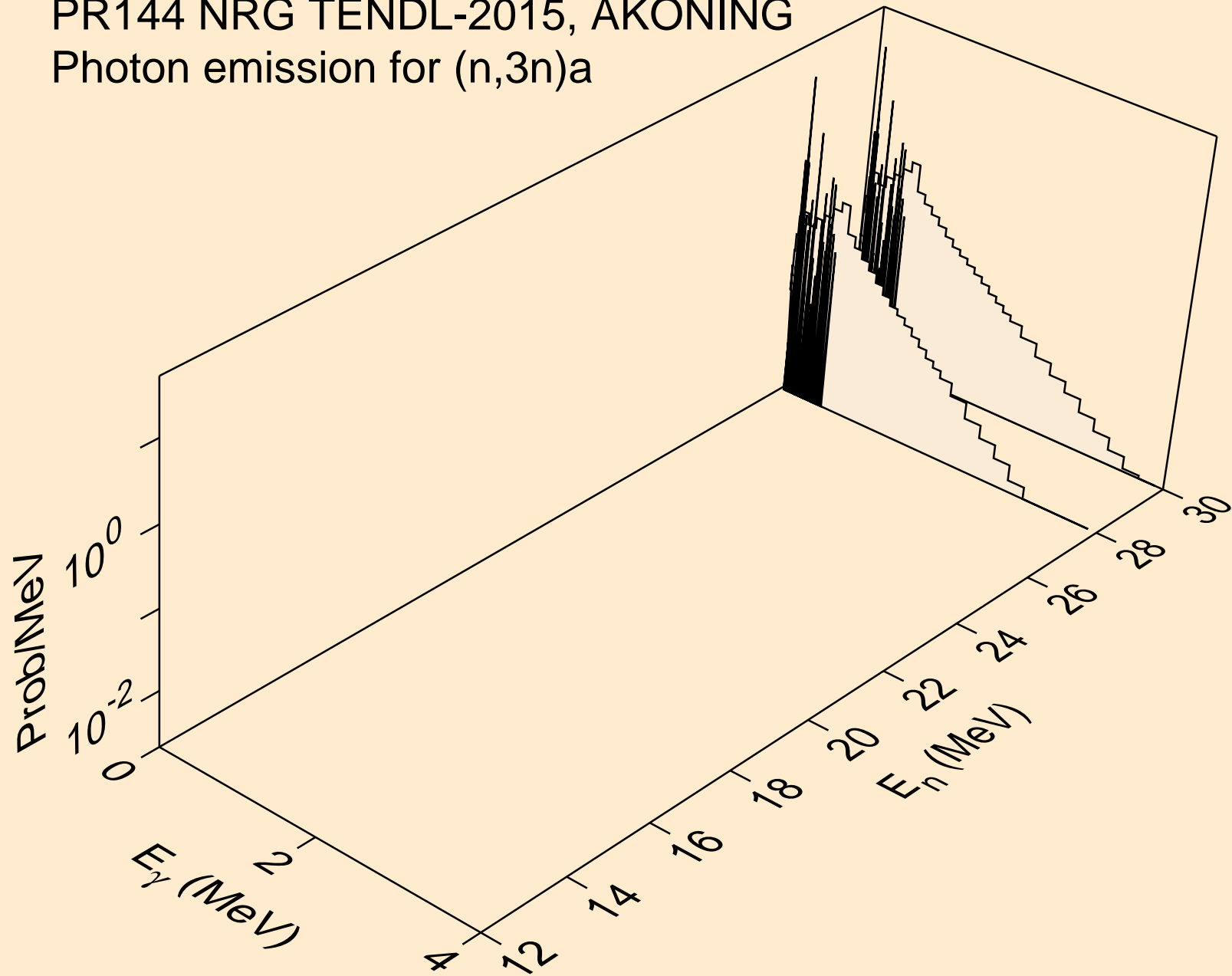


PR144 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a

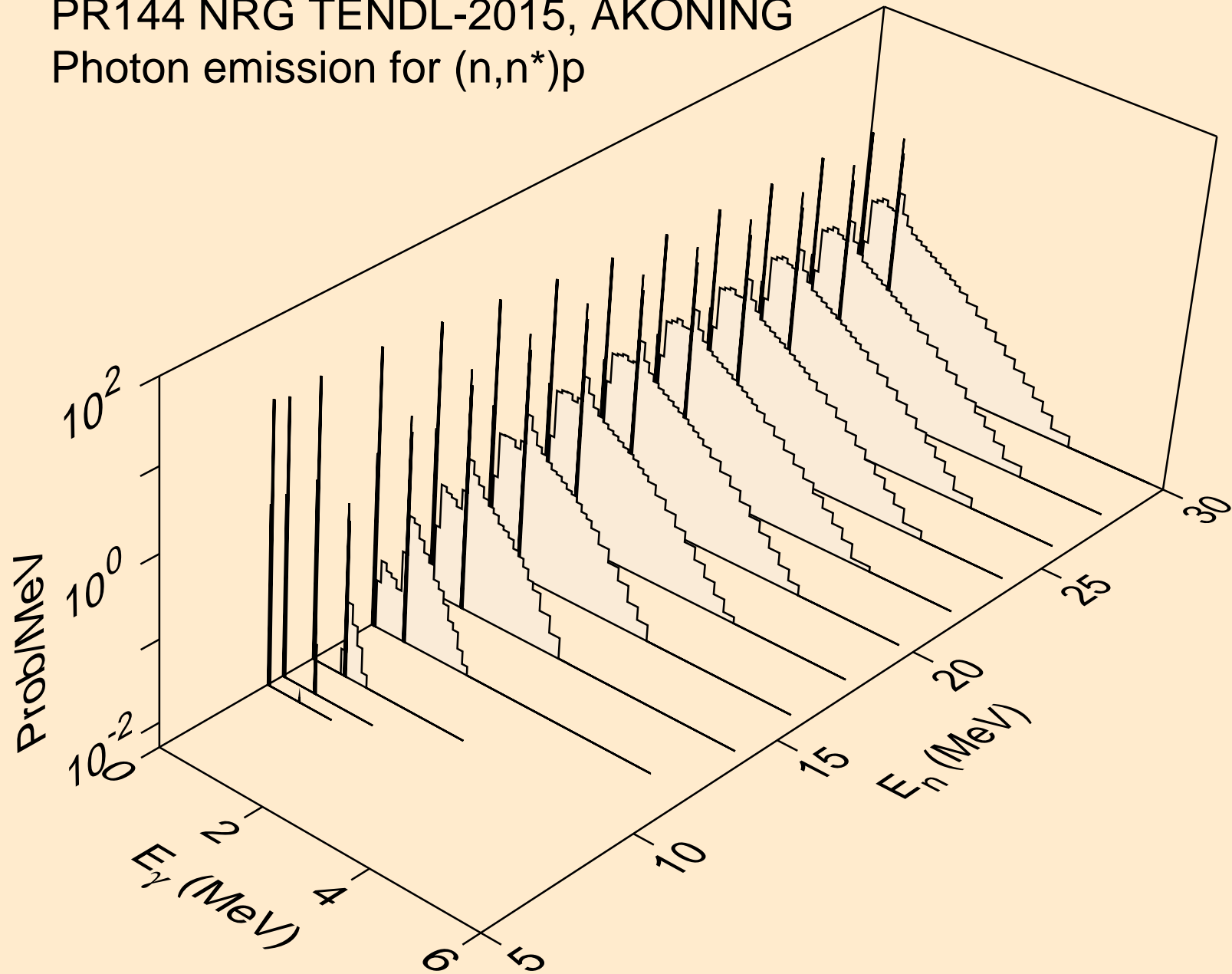




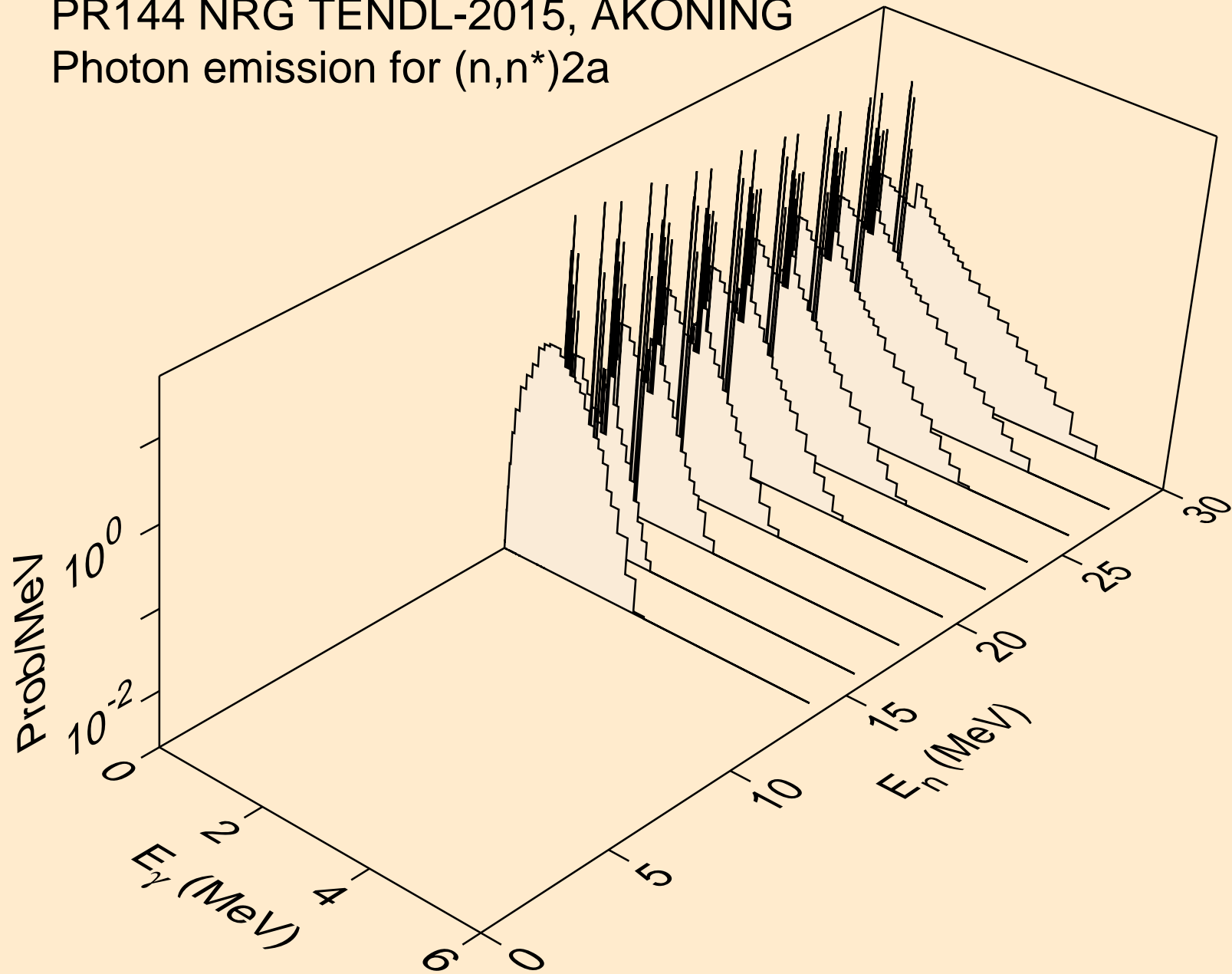
PR144 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



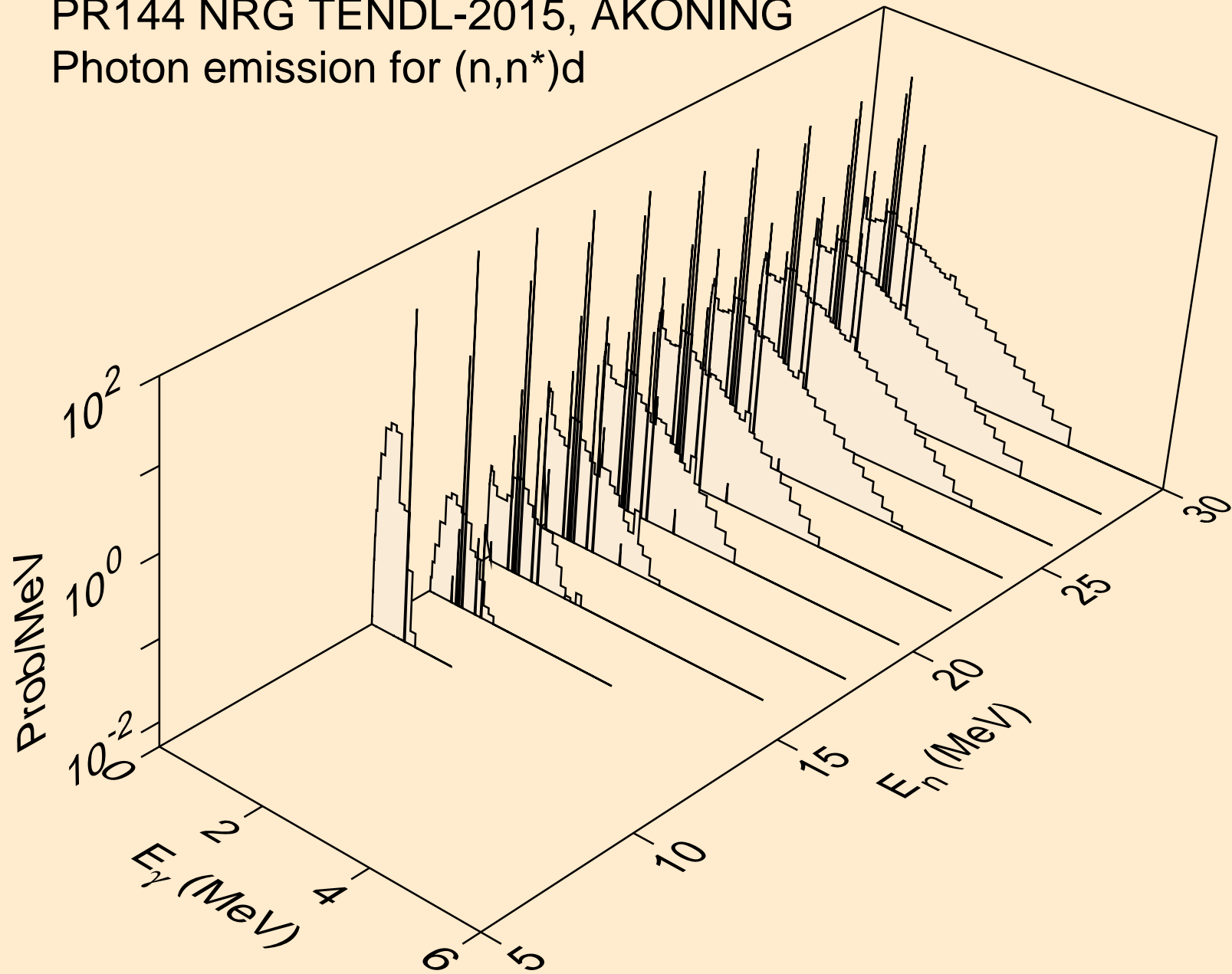
PR144 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



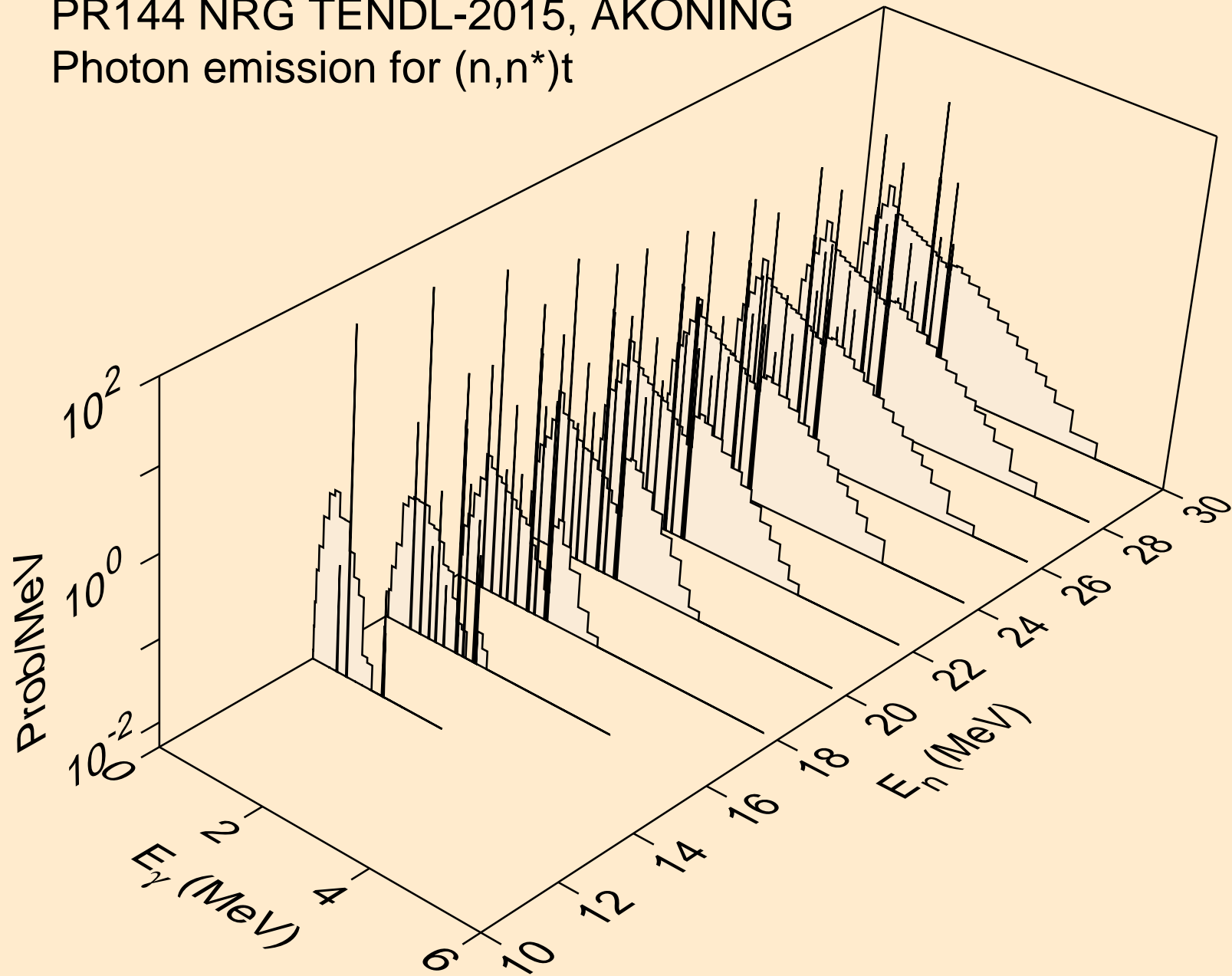
PR144 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



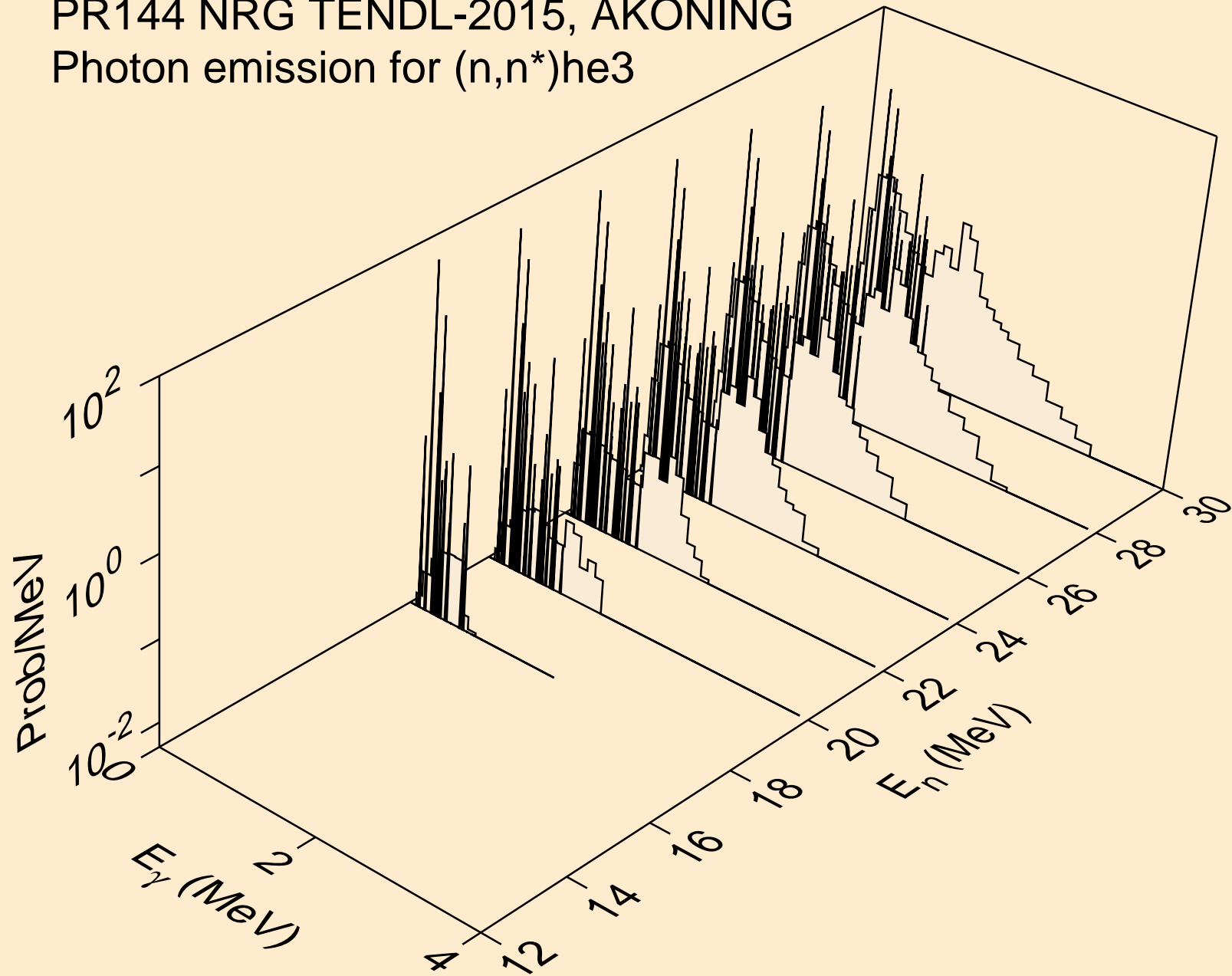
PR144 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d



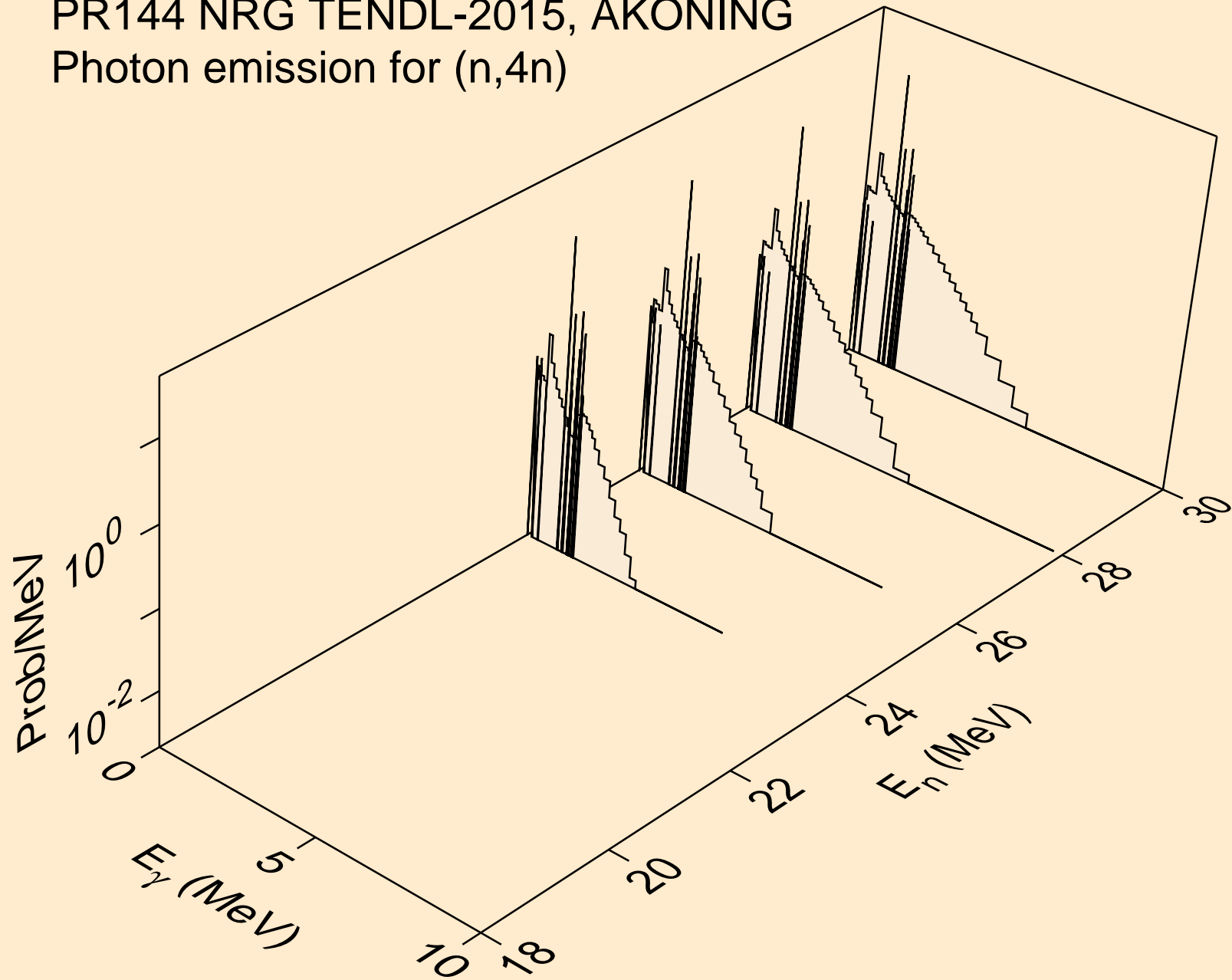
PR144 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



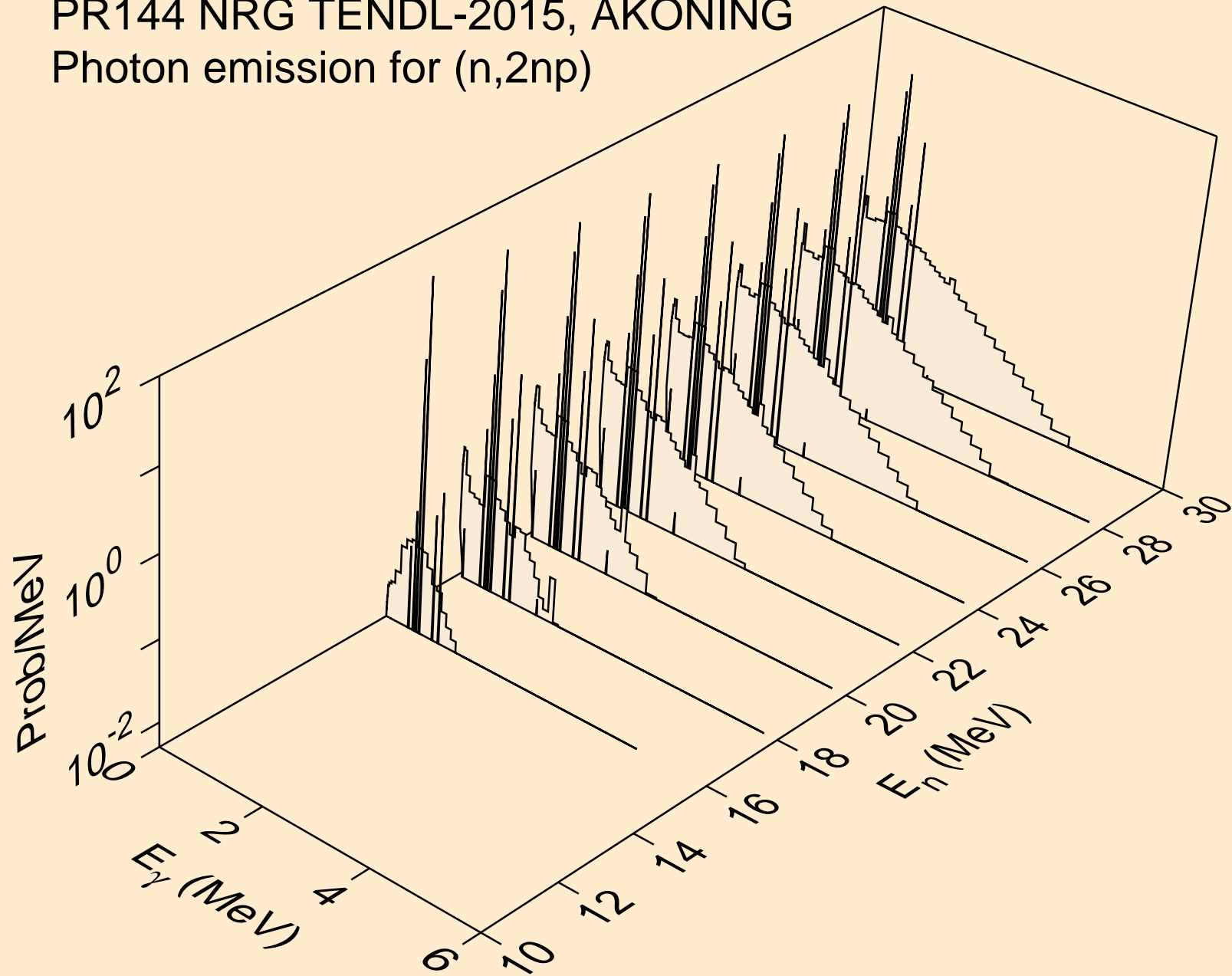
PR144 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



PR144 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)

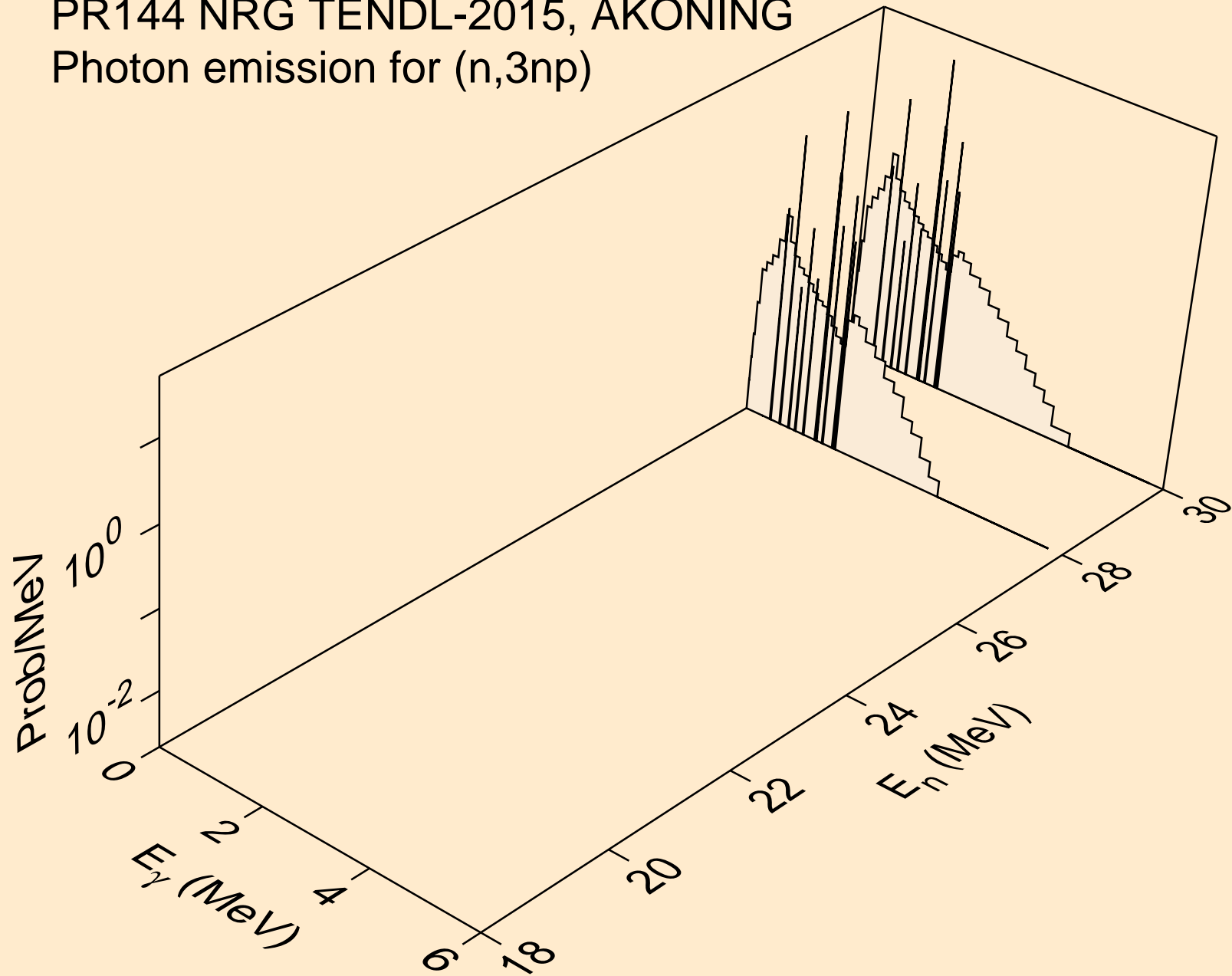


PR144 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)

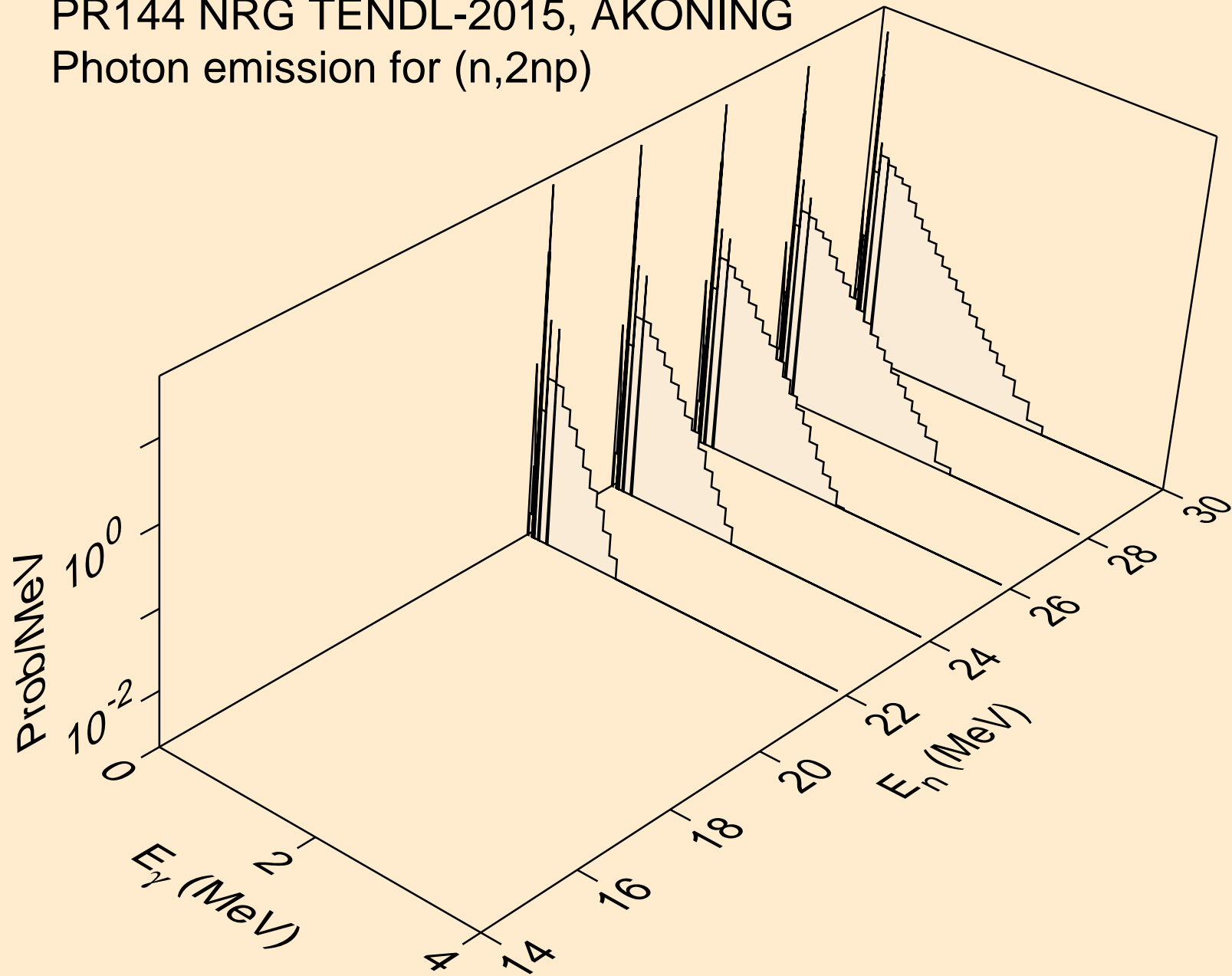




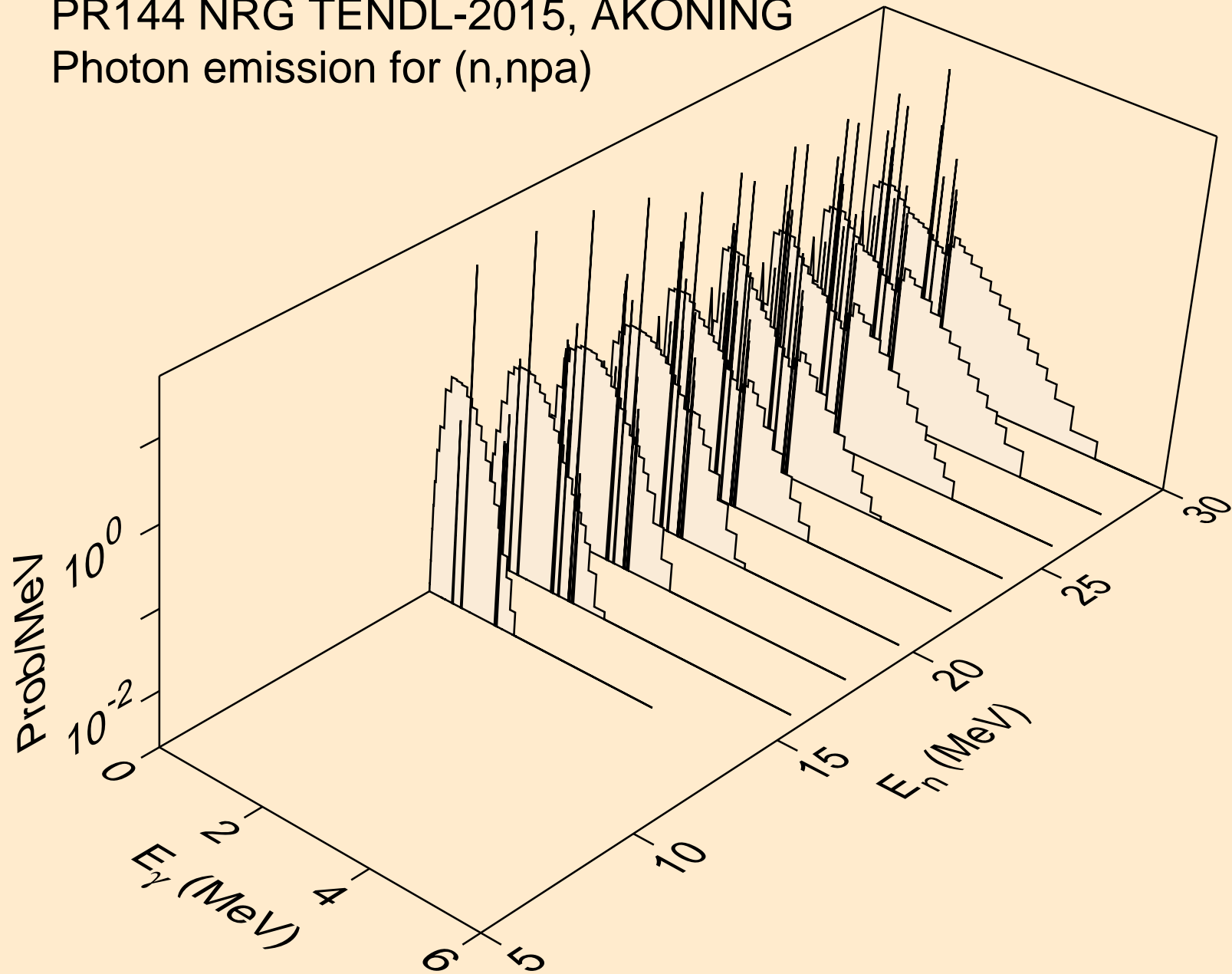
PR144 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



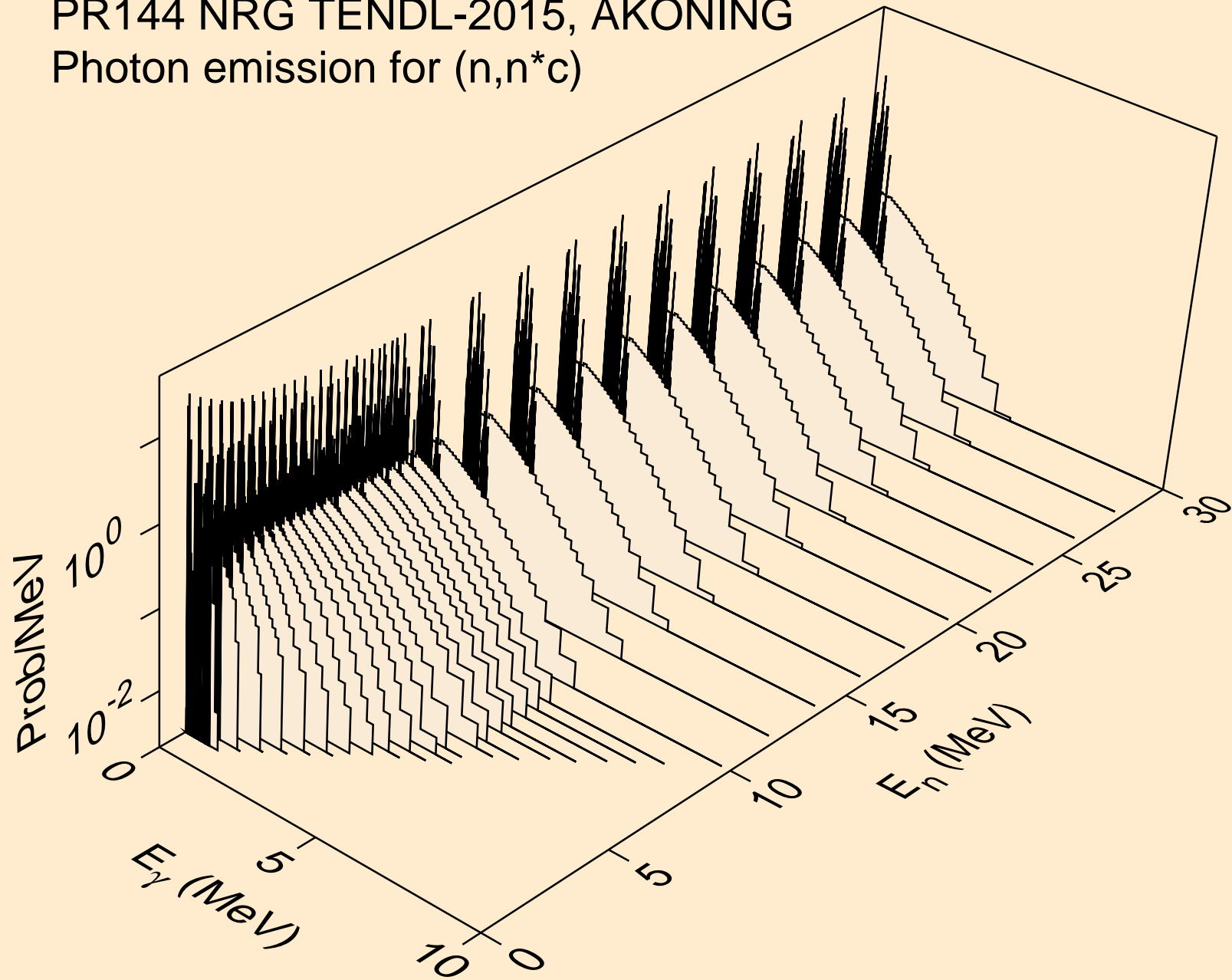
PR144 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



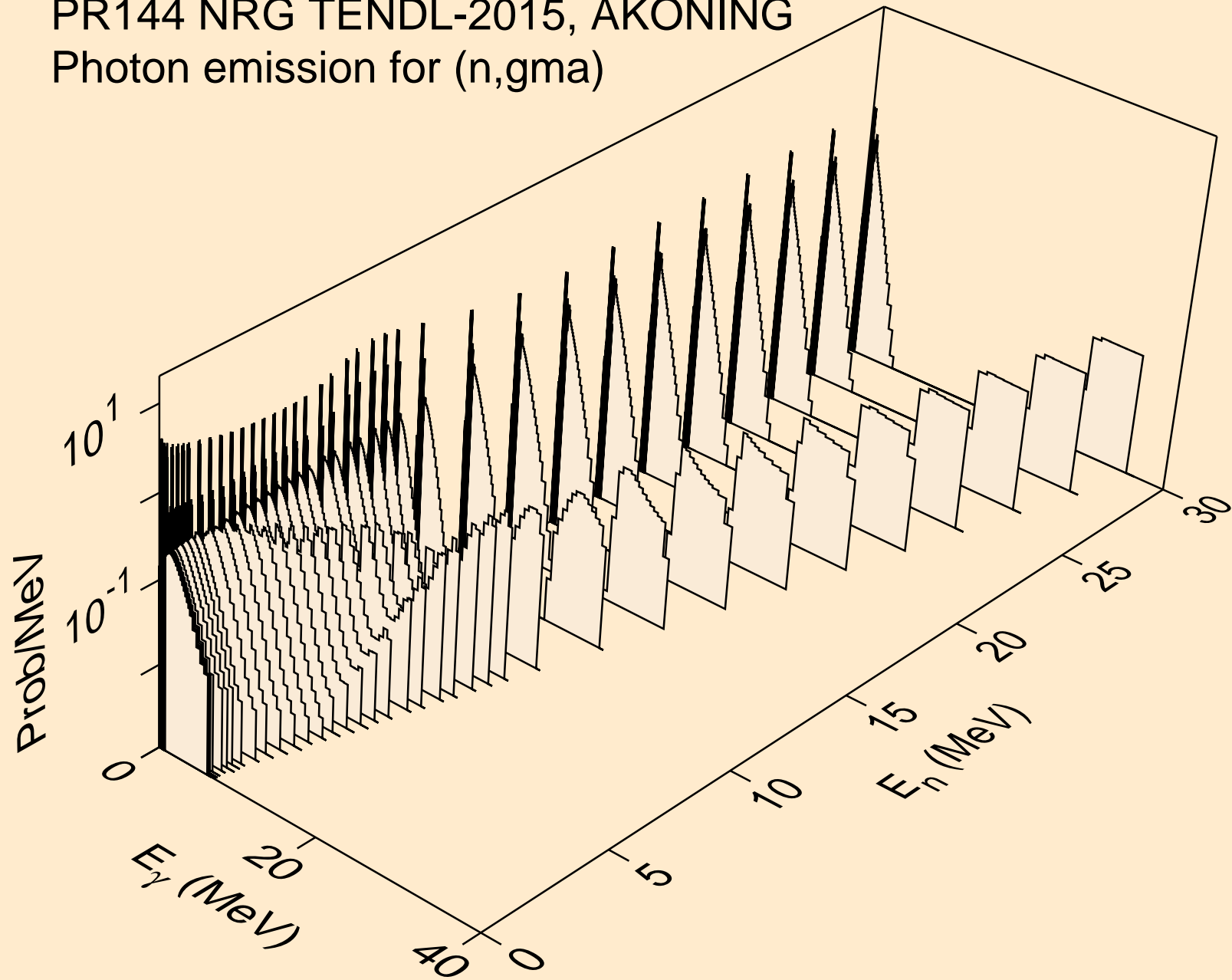
PR144 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



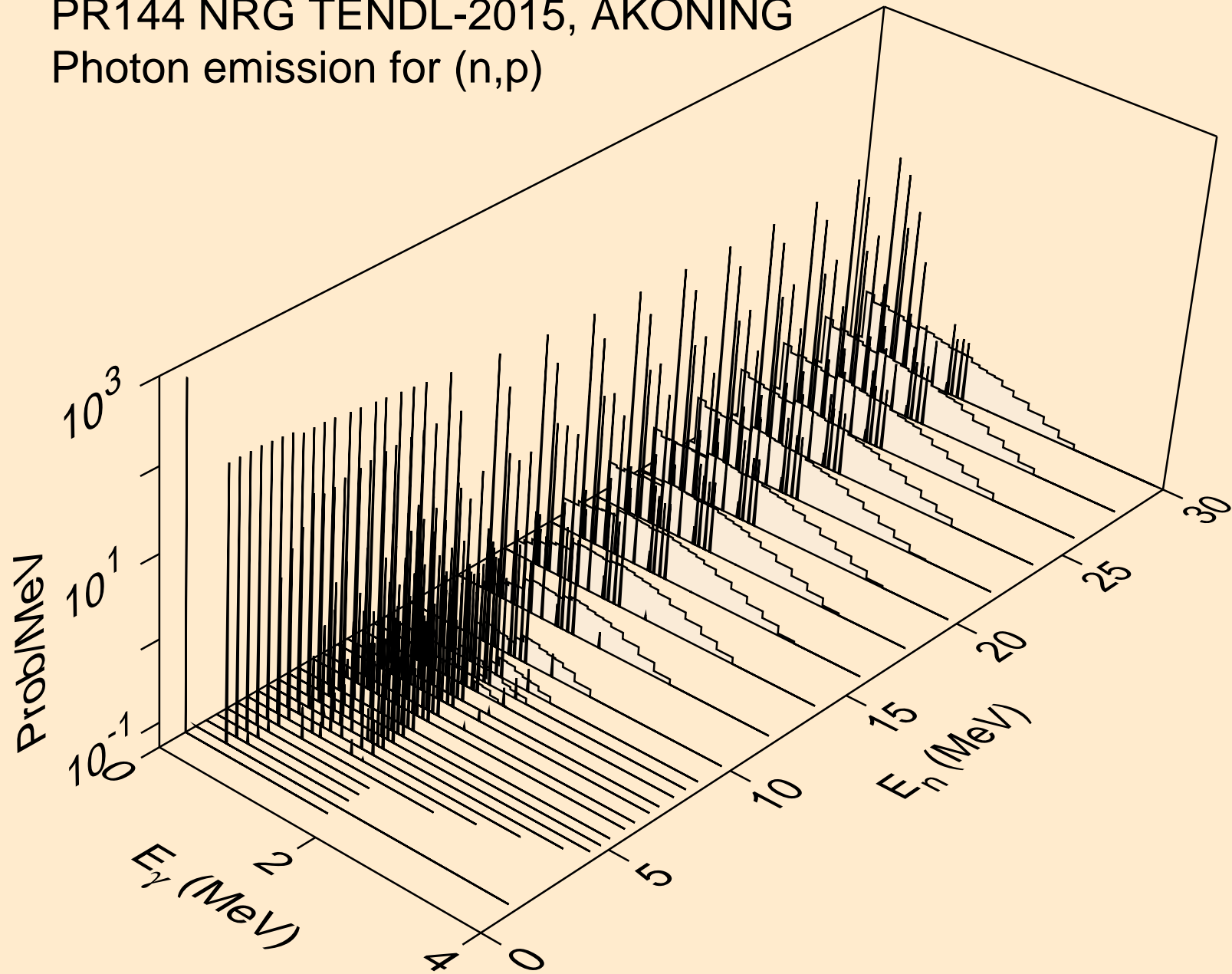
PR144 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



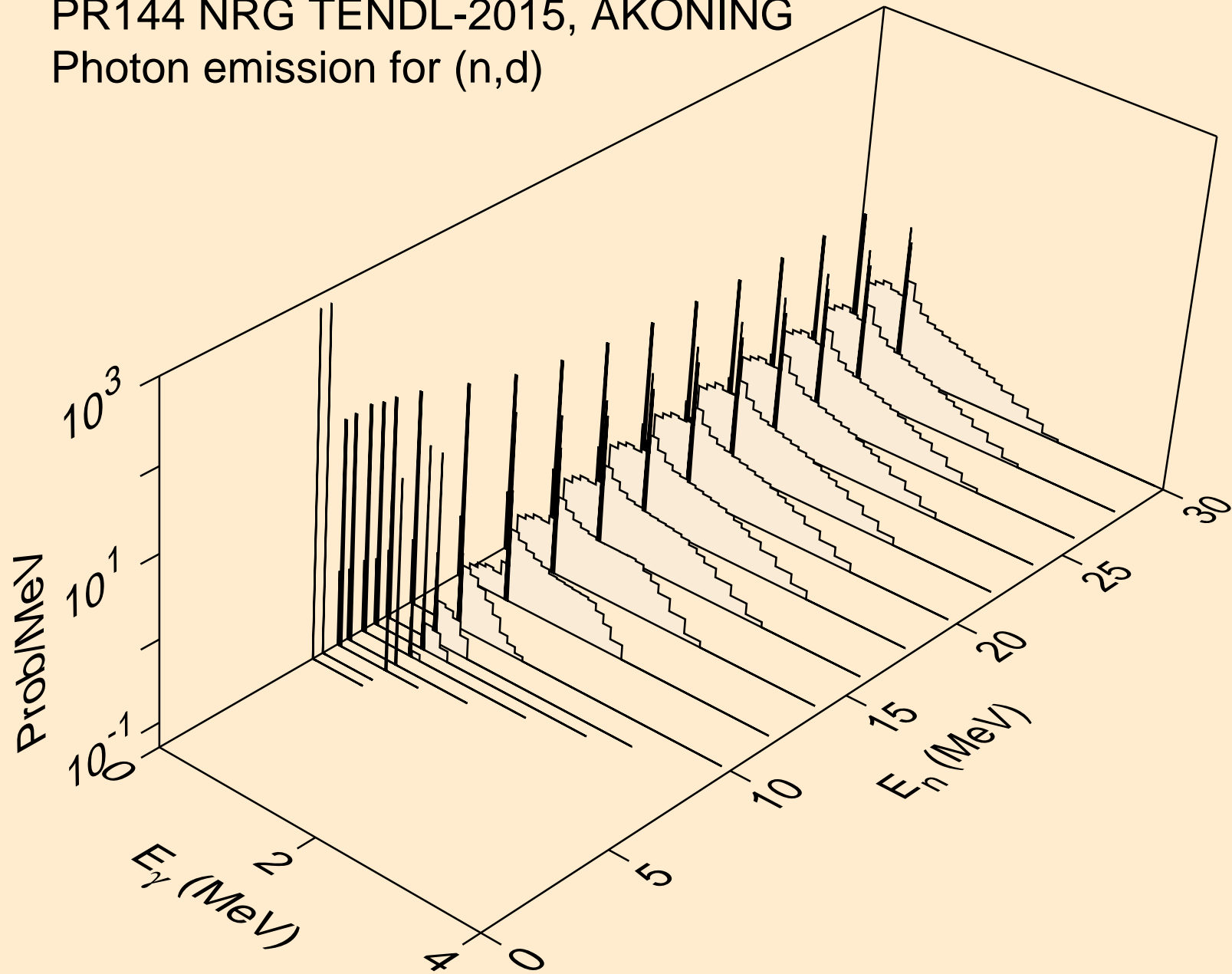
PR144 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



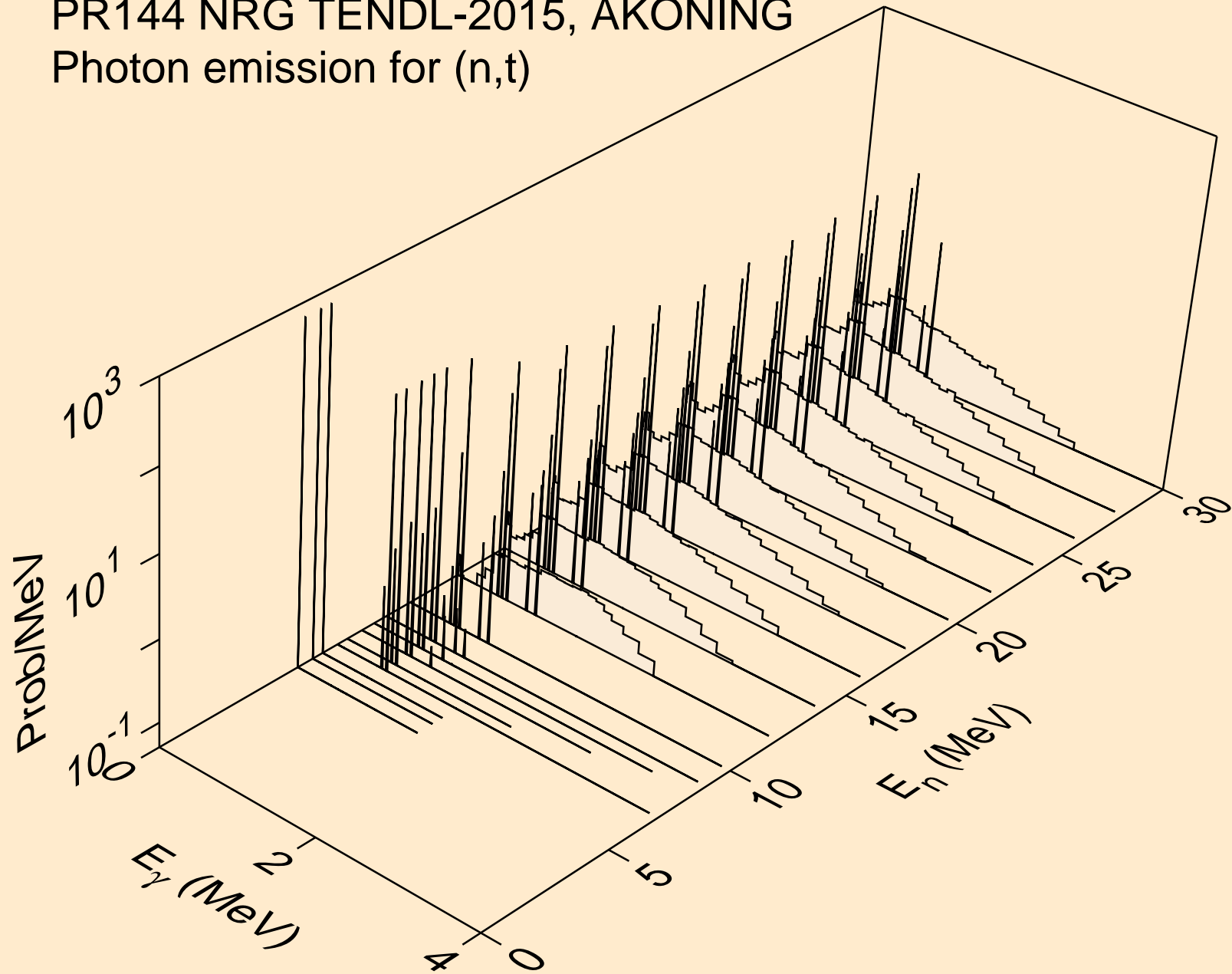
PR144 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



PR144 NRG TENDL-2015, AKONING  
Photon emission for (n,d)

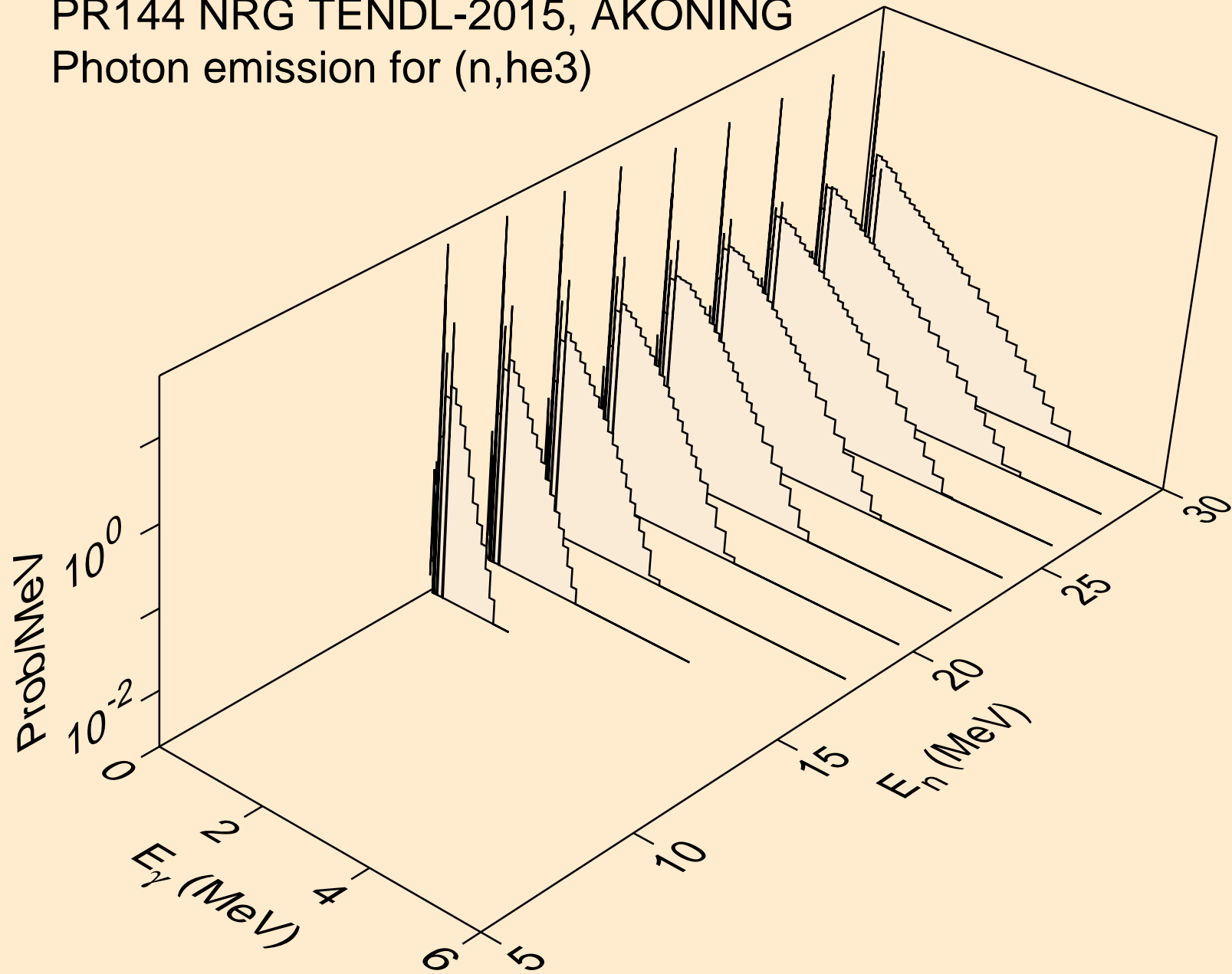


PR144 NRG TENDL-2015, AKONING  
Photon emission for (n,t)

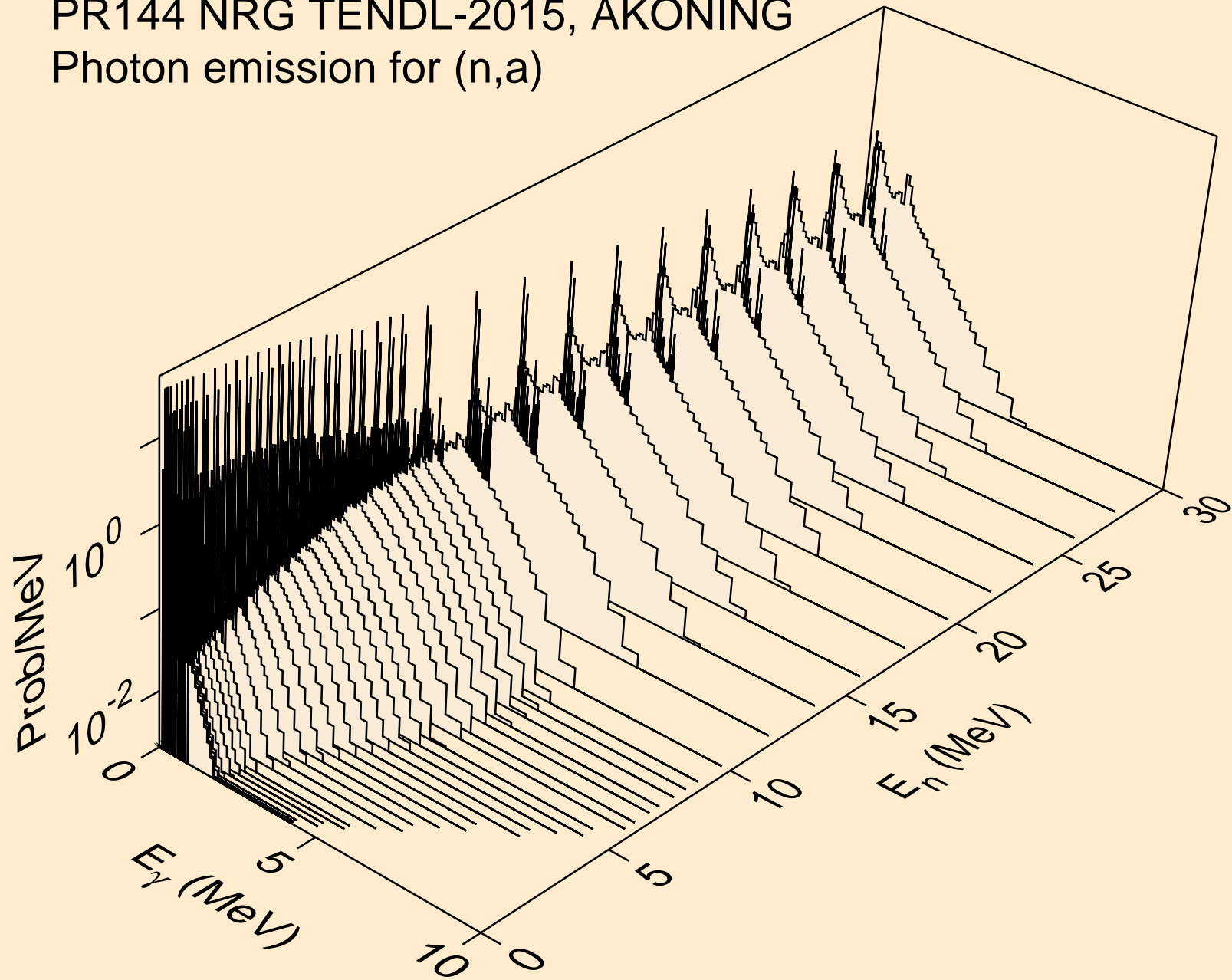




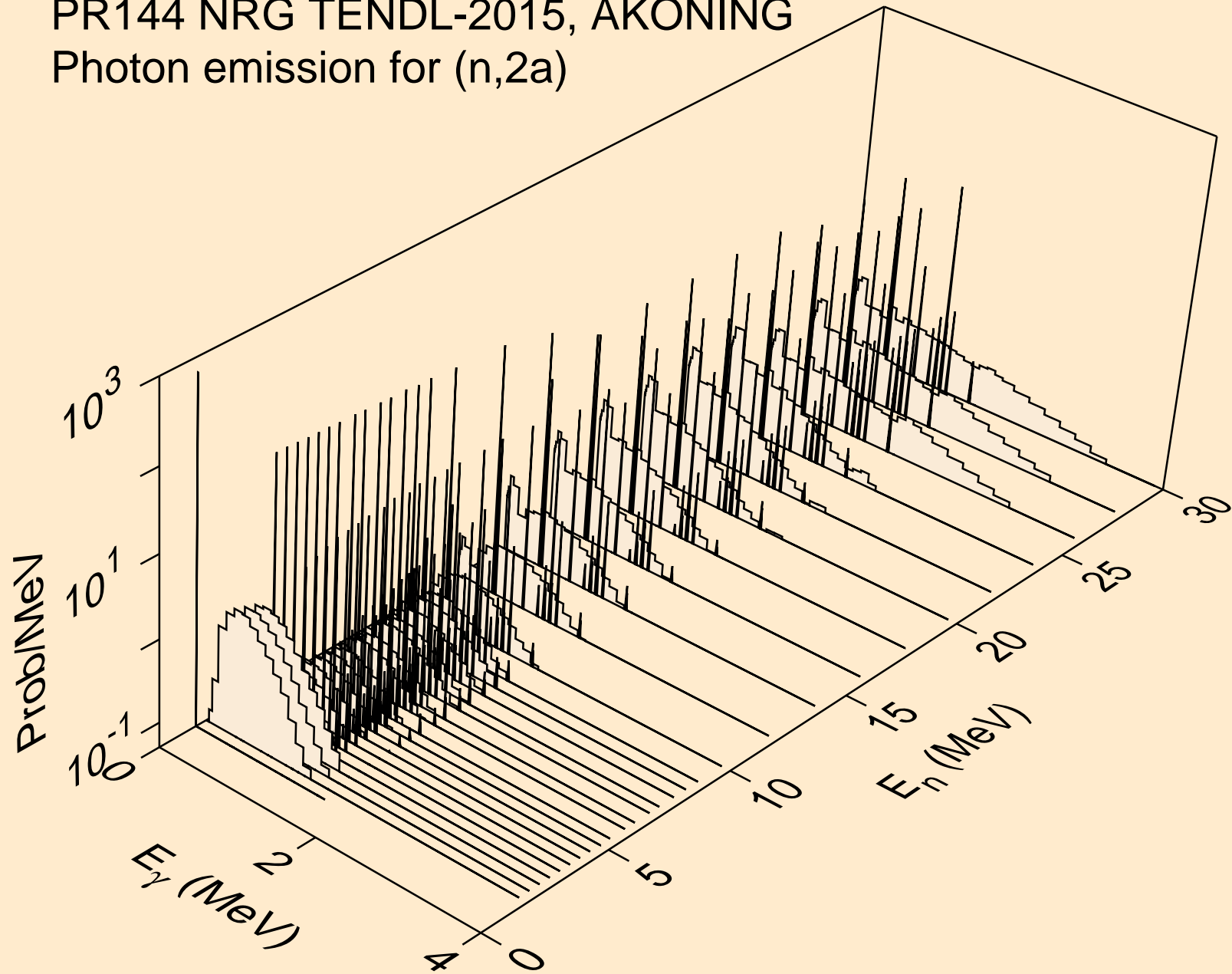
PR144 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



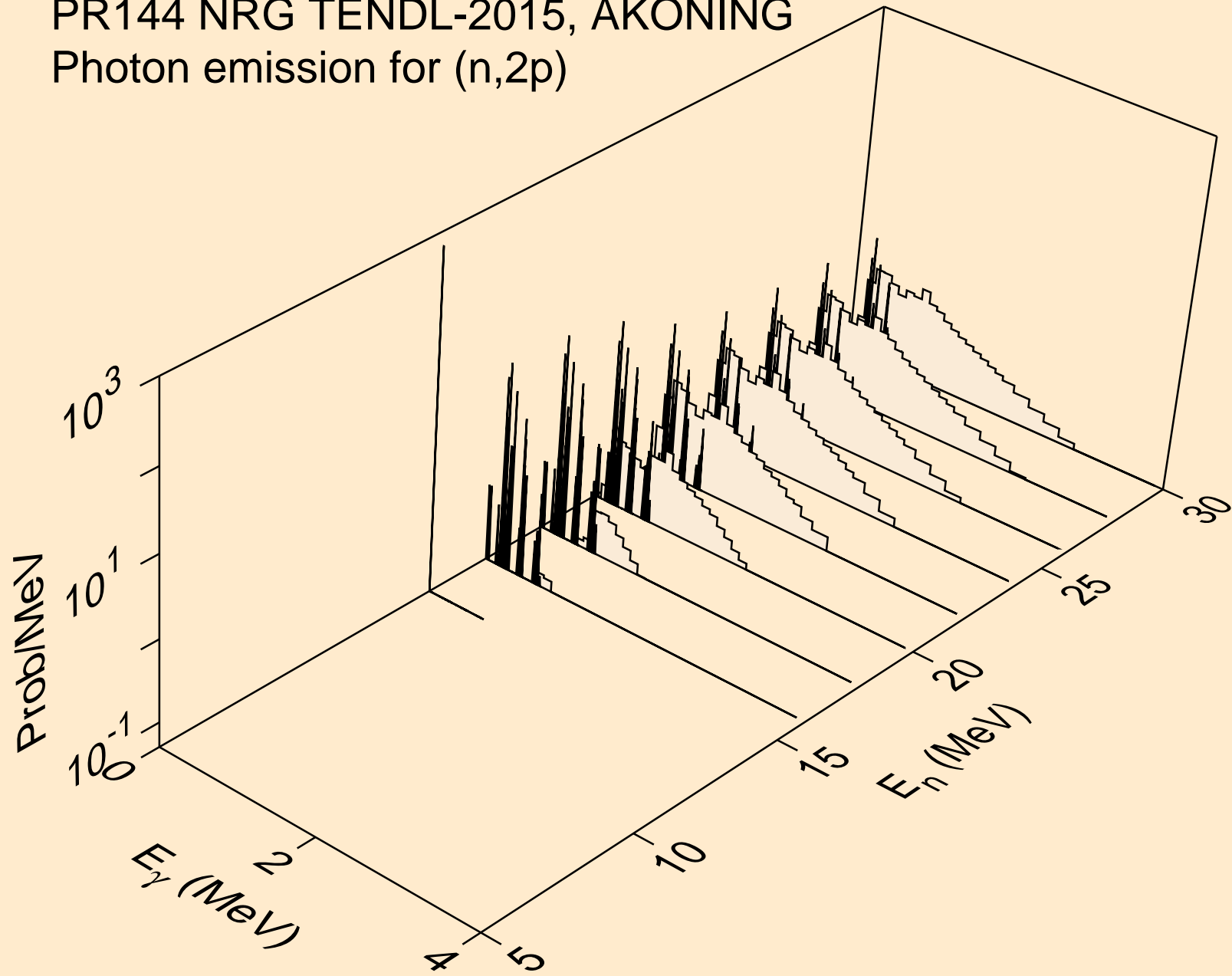
PR144 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



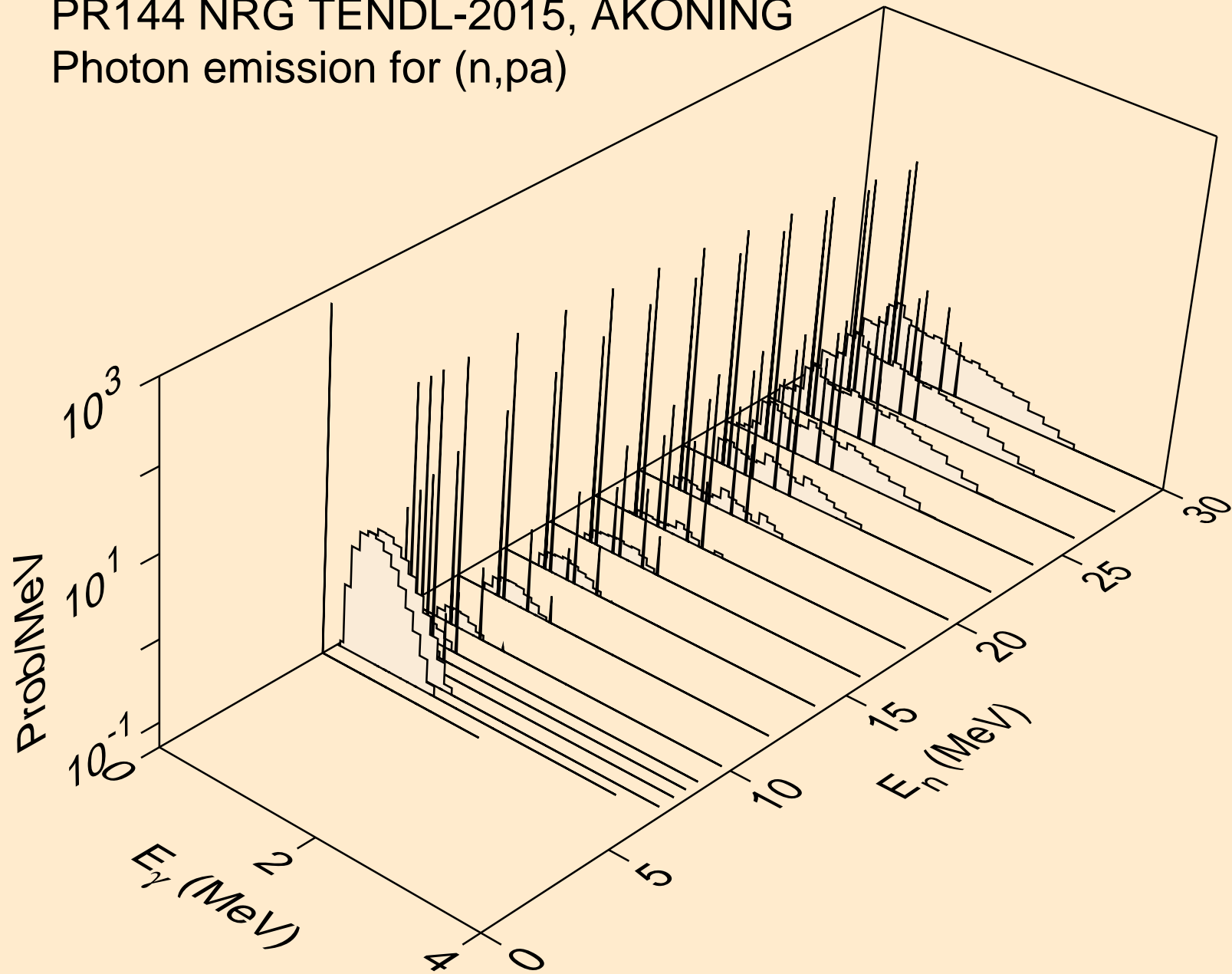
PR144 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



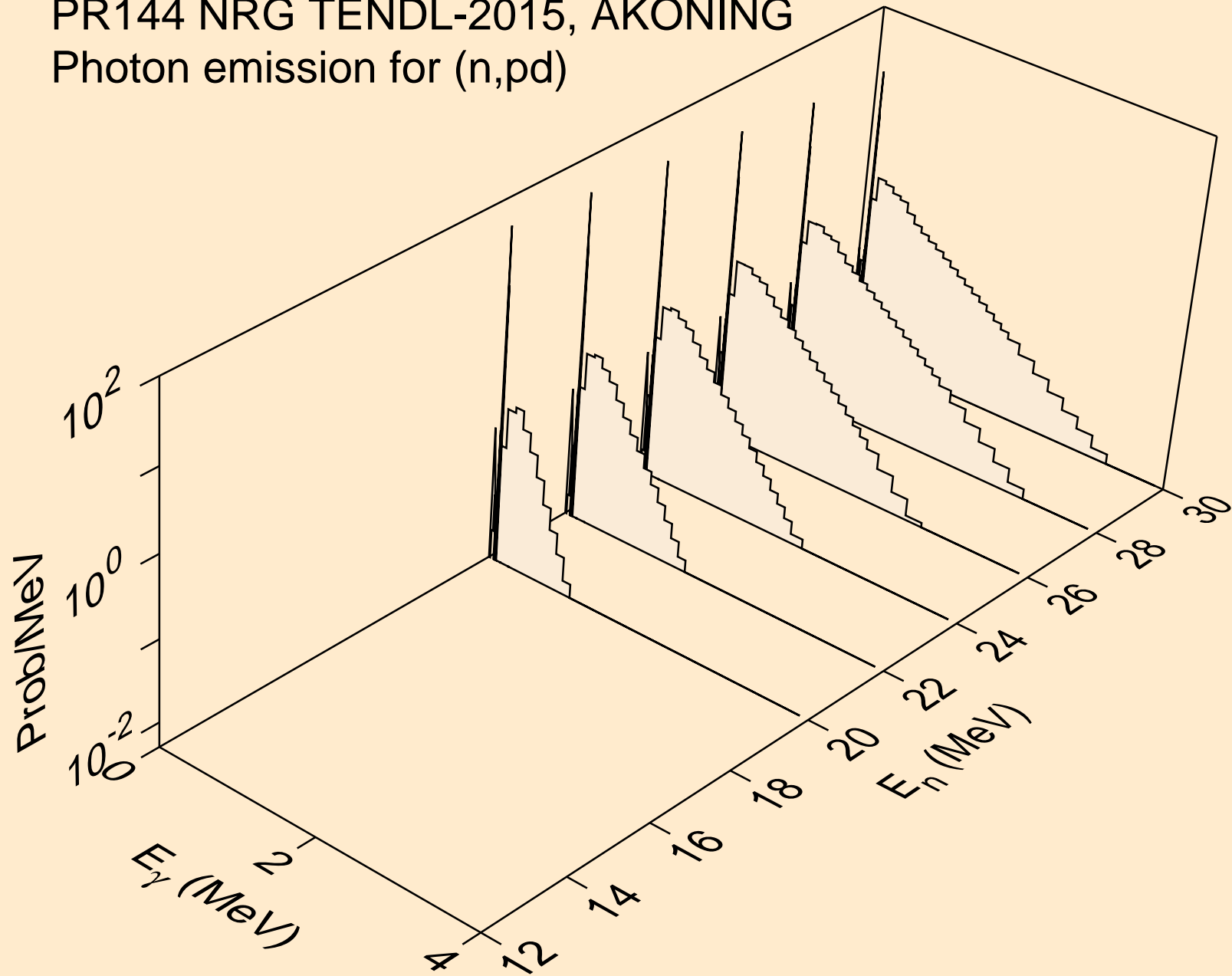
PR144 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



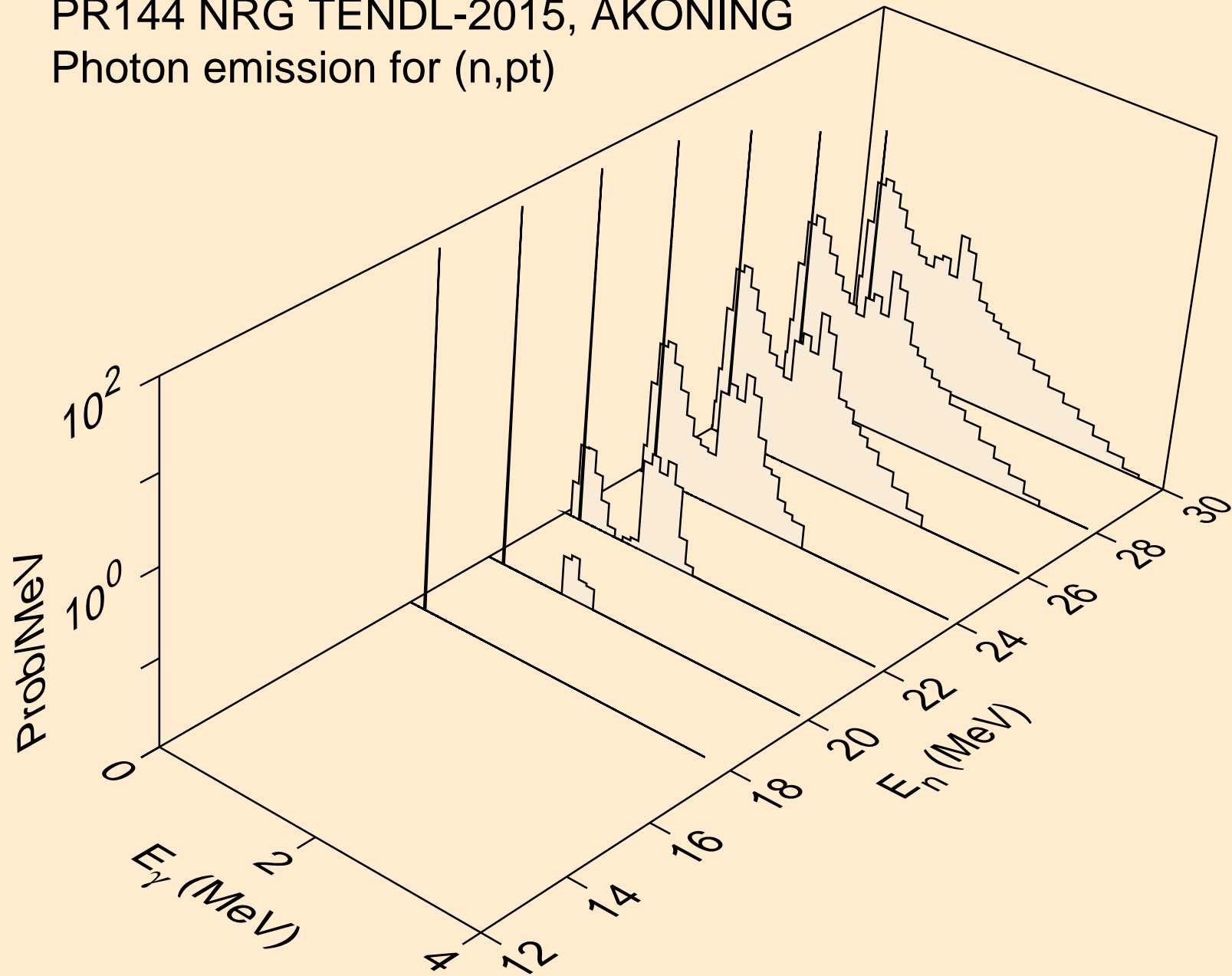
PR144 NRG TENDL-2015, AKONING  
Photon emission for (n,p $\alpha$ )



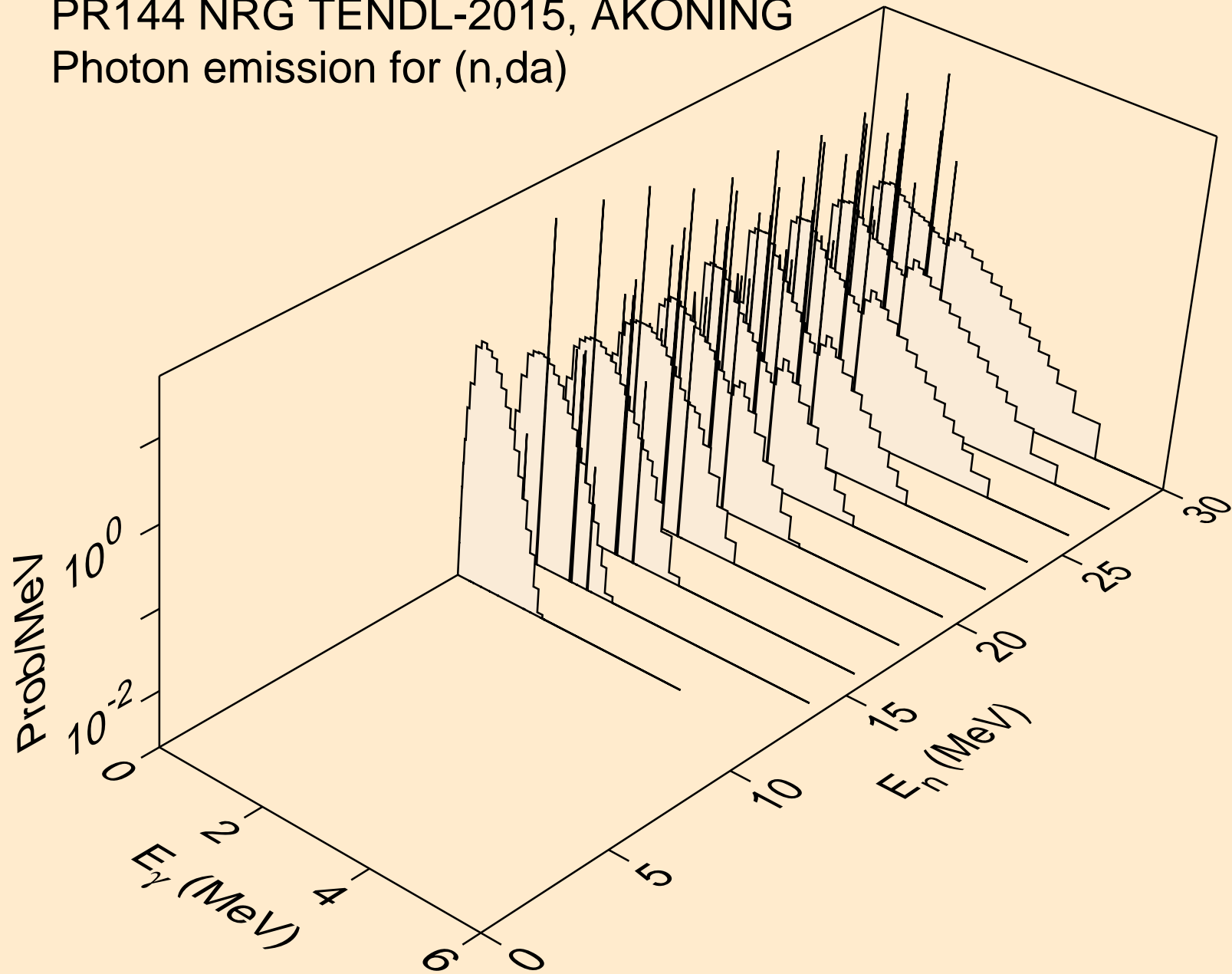
PR144 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



PR144 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)

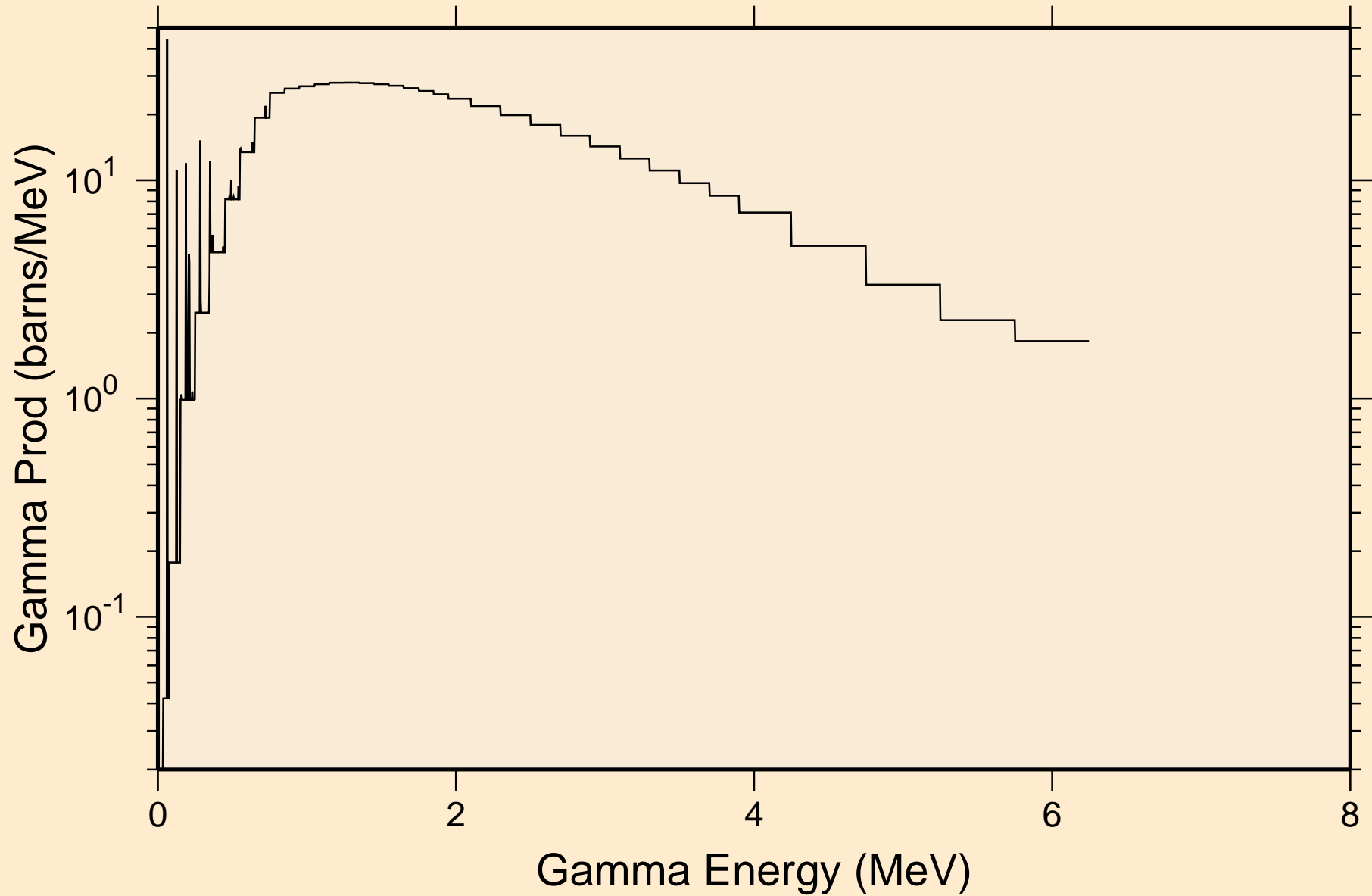


PR144 NRG TENDL-2015, AKONING  
Photon emission for (n,da)

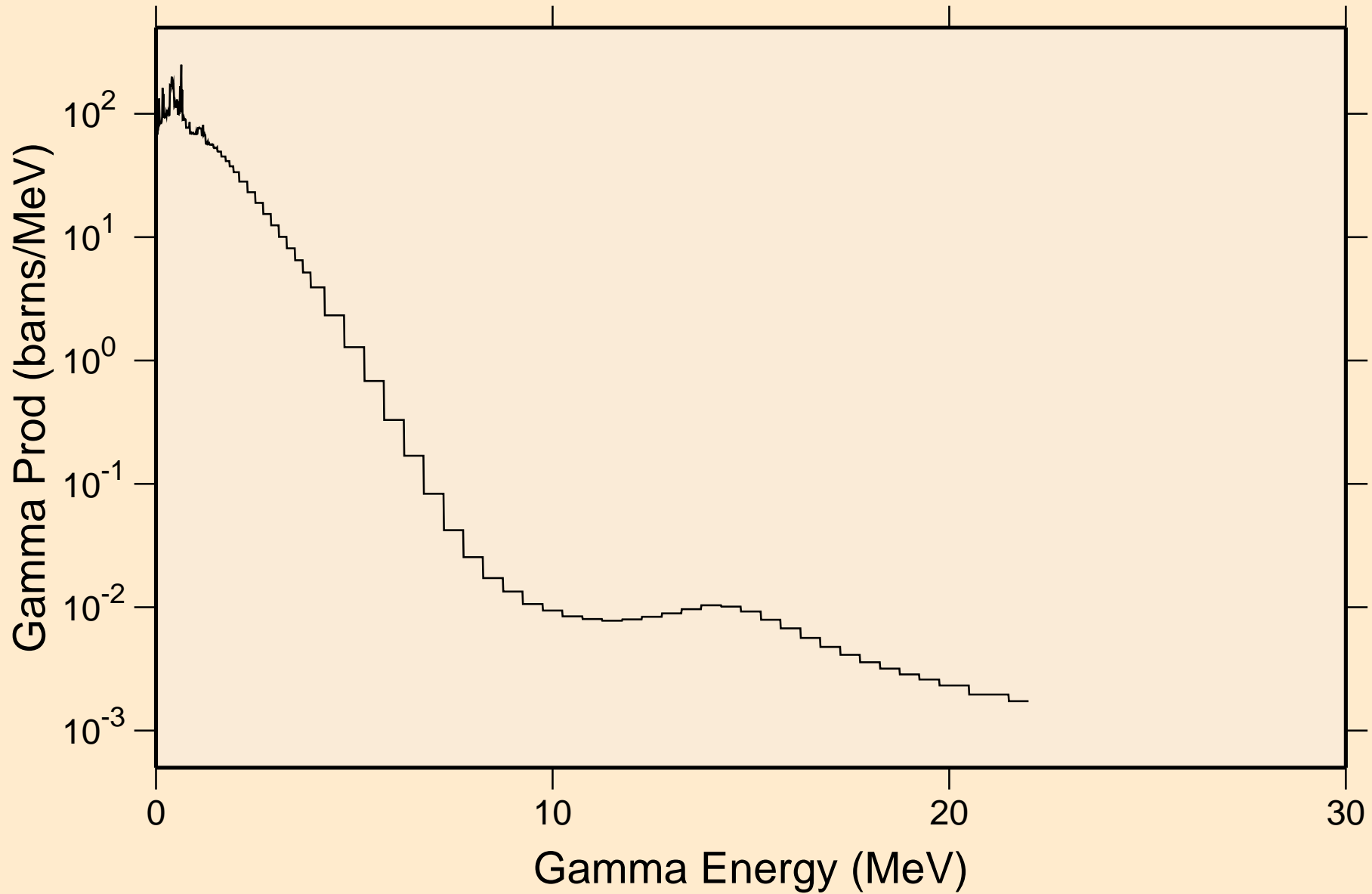




PR144 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

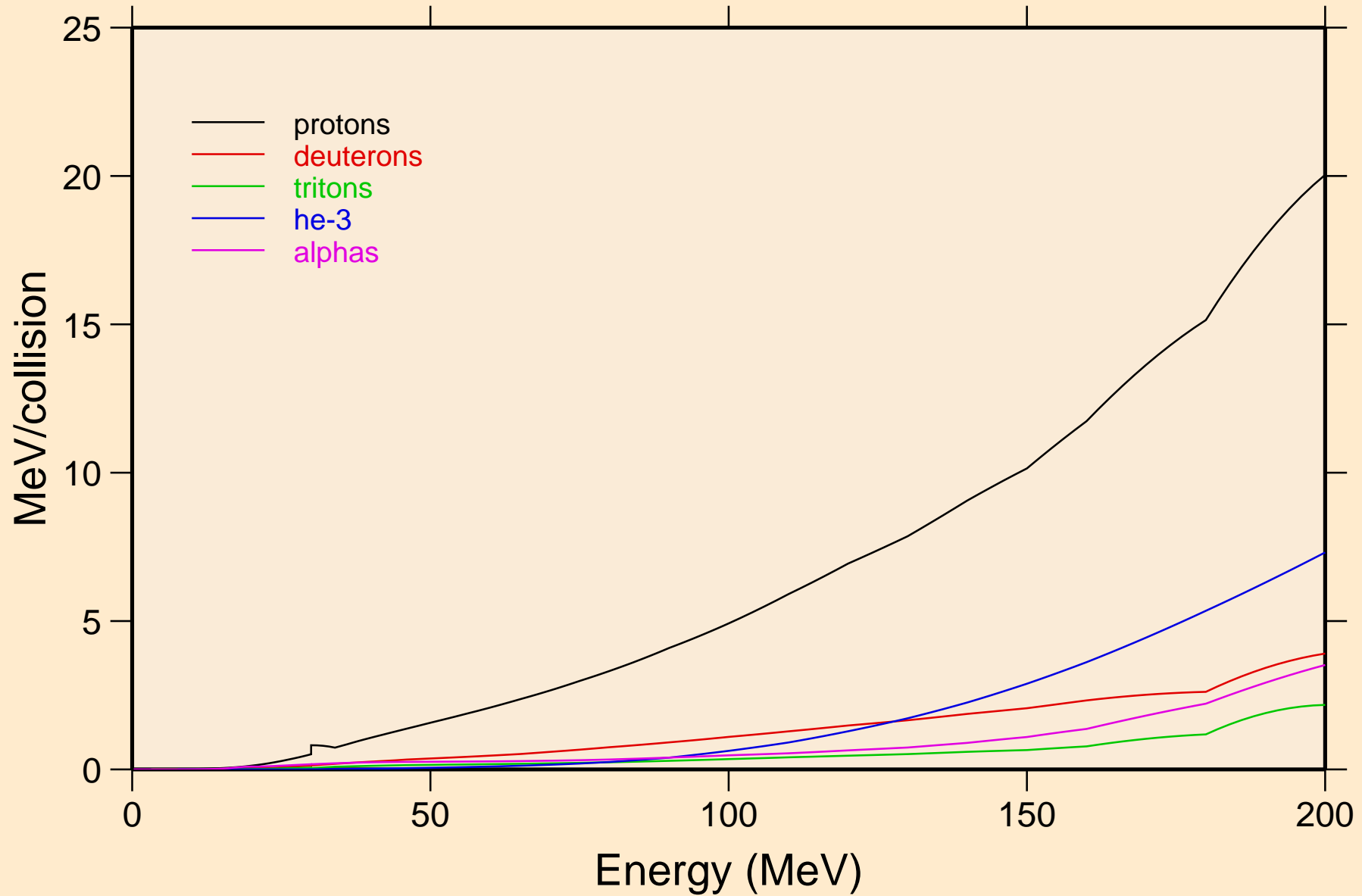


PR144 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



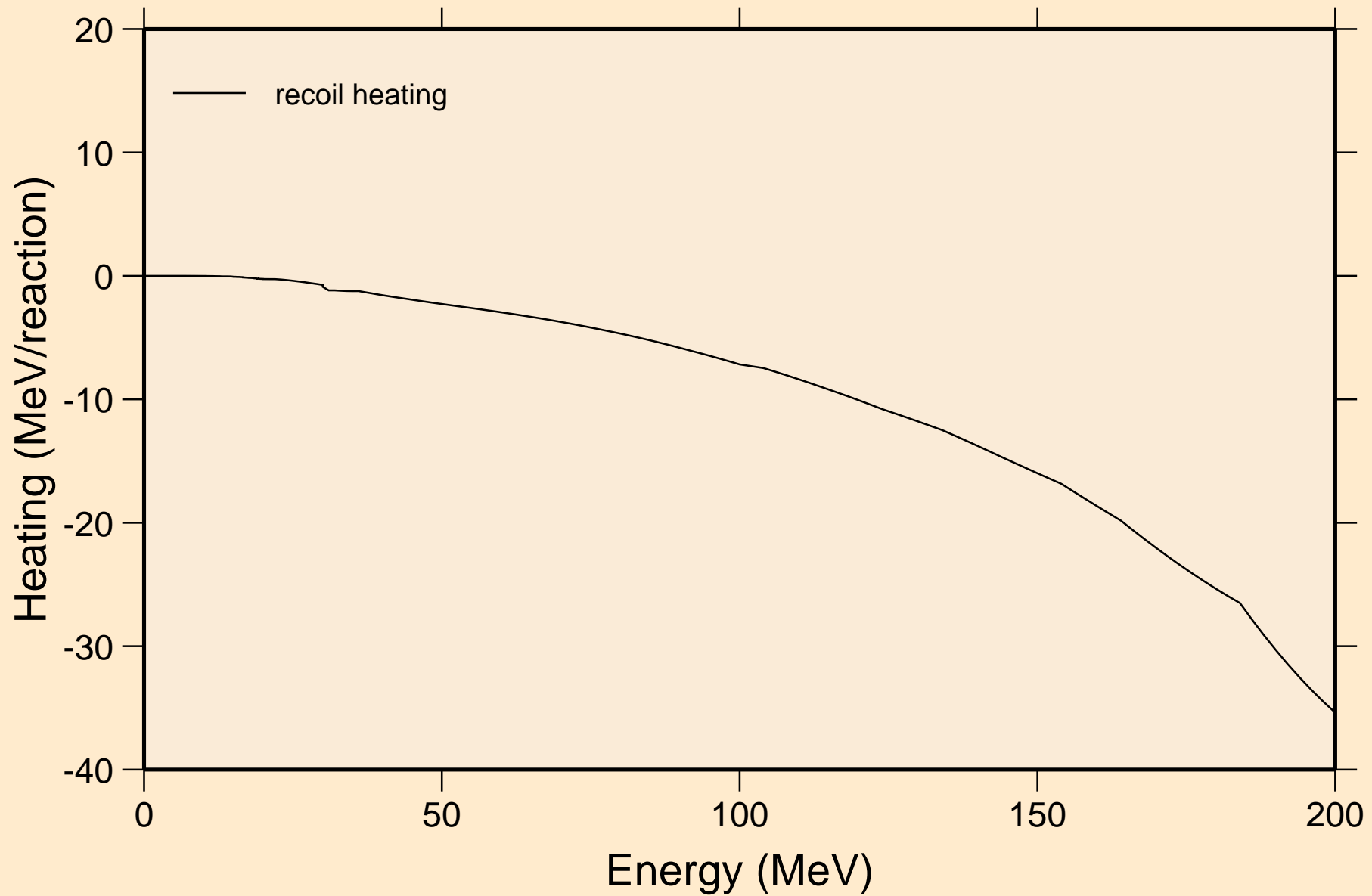
# PR144 NRG TENDL-2015, AKONING

## Particle heating contributions



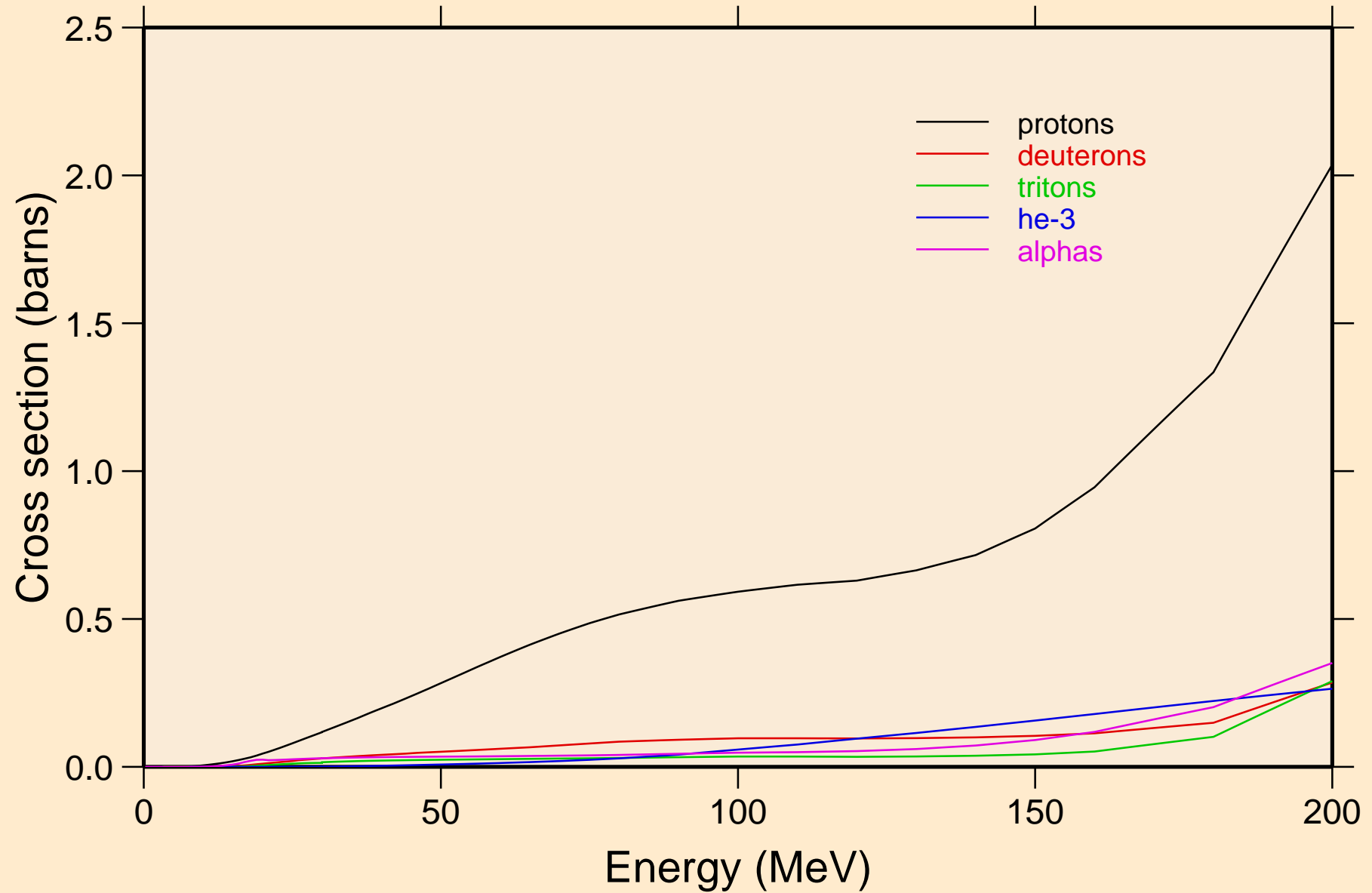
# PR144 NRG TENDL-2015, AKONING

## Recoil Heating

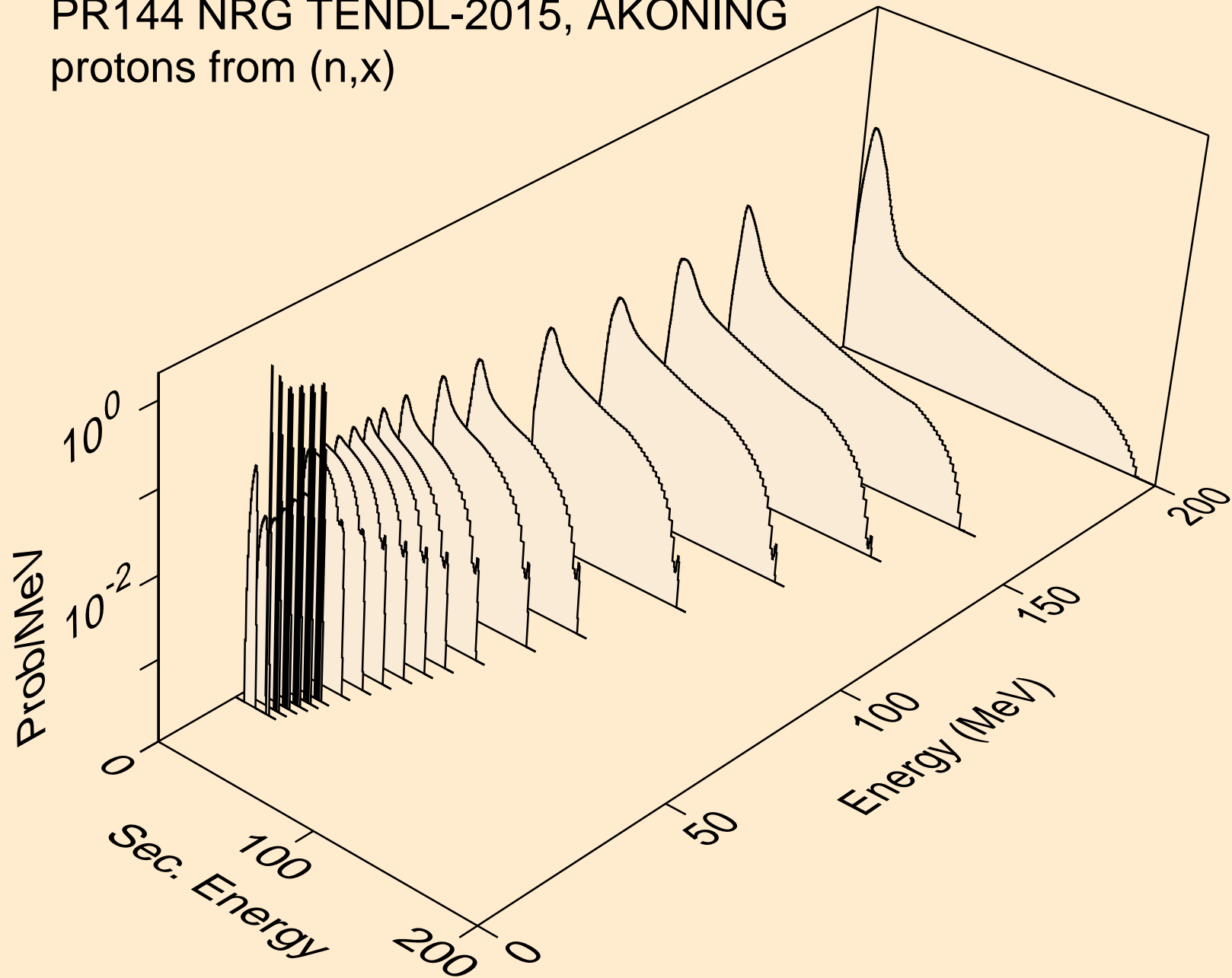


# PR144 NRG TENDL-2015, AKONING

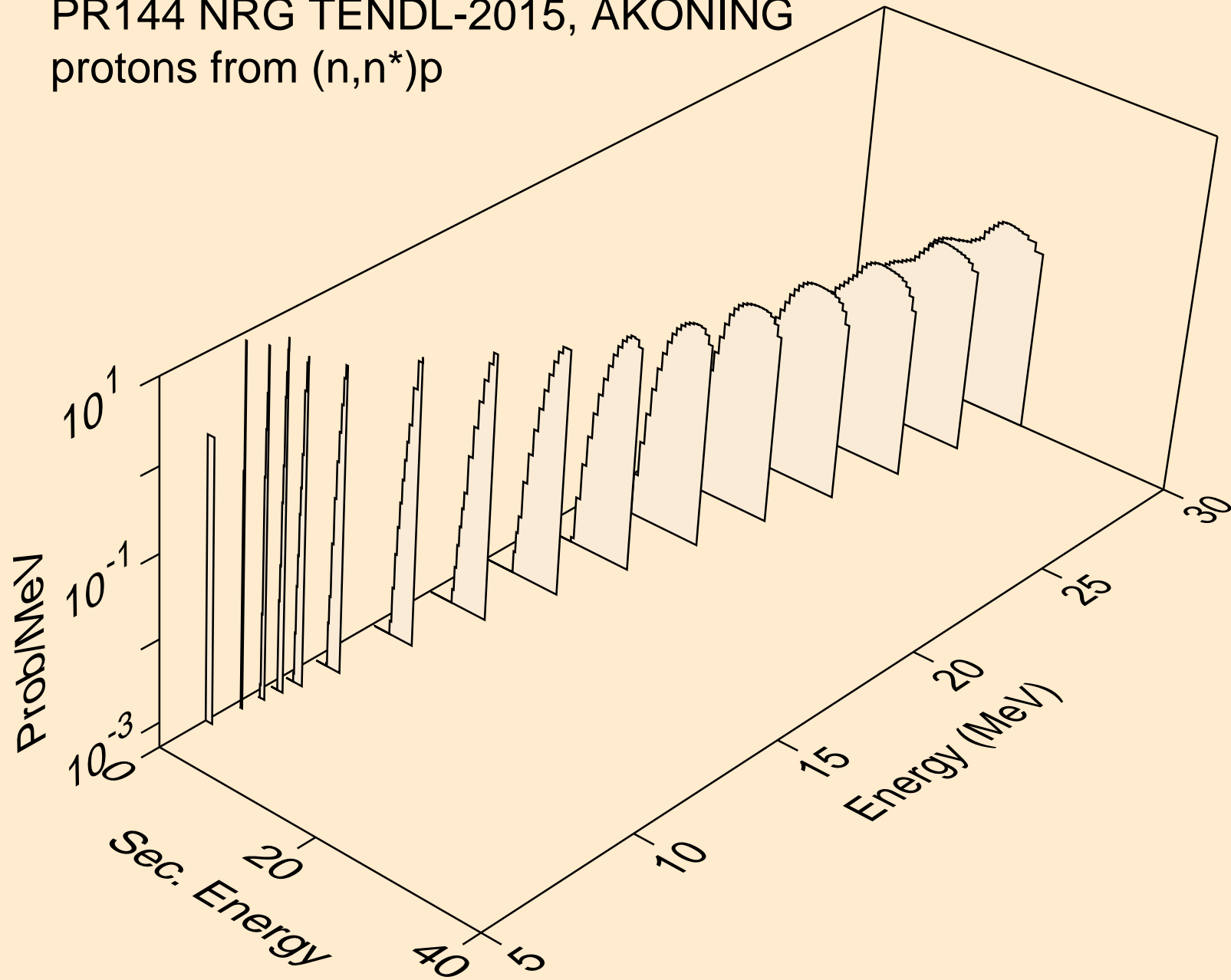
## Particle production cross sections



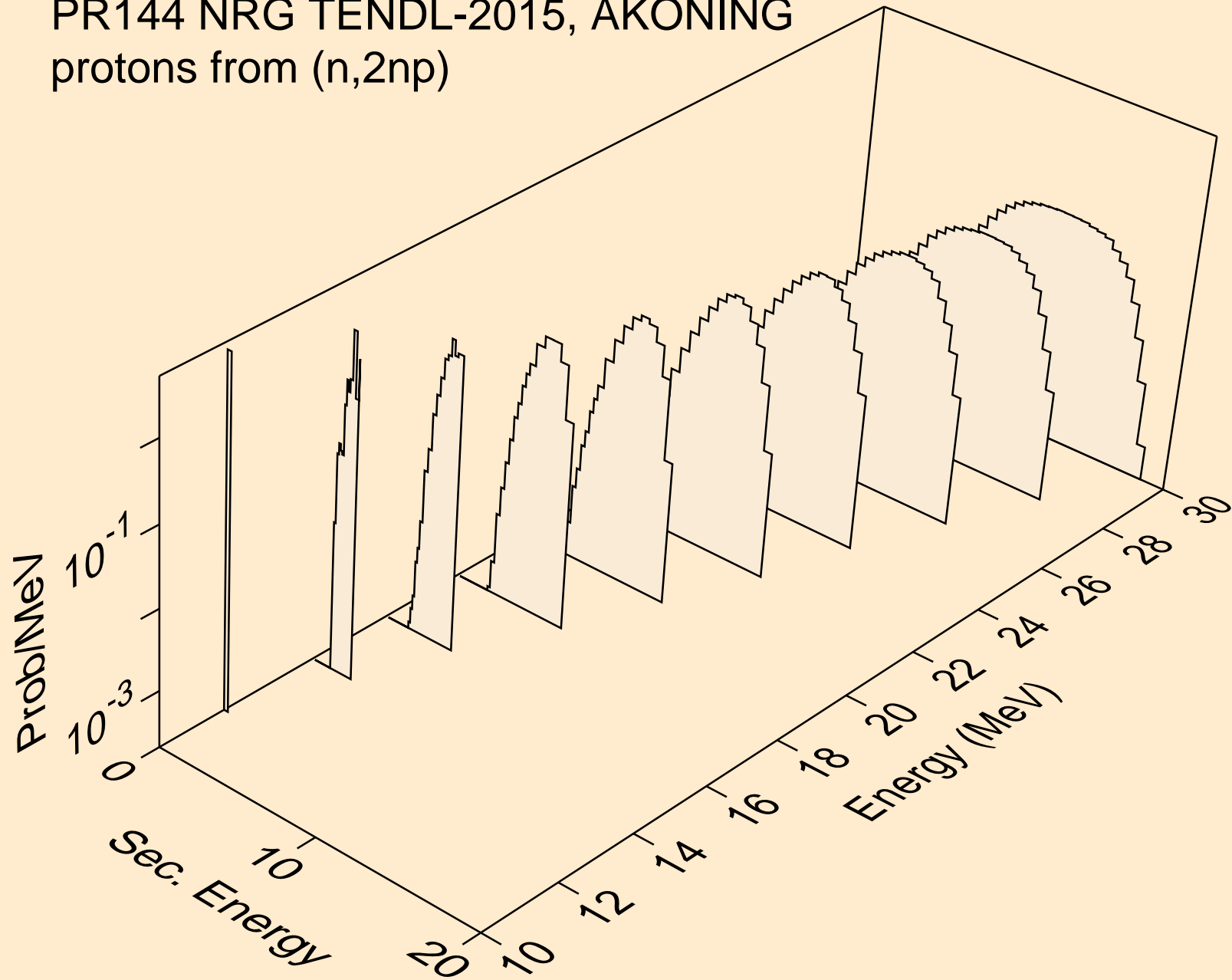
PR144 NRG TENDL-2015, AKONING  
protons from (n,x)



PR144 NRG TENDL-2015, AKONING  
protons from (n,n\*)p

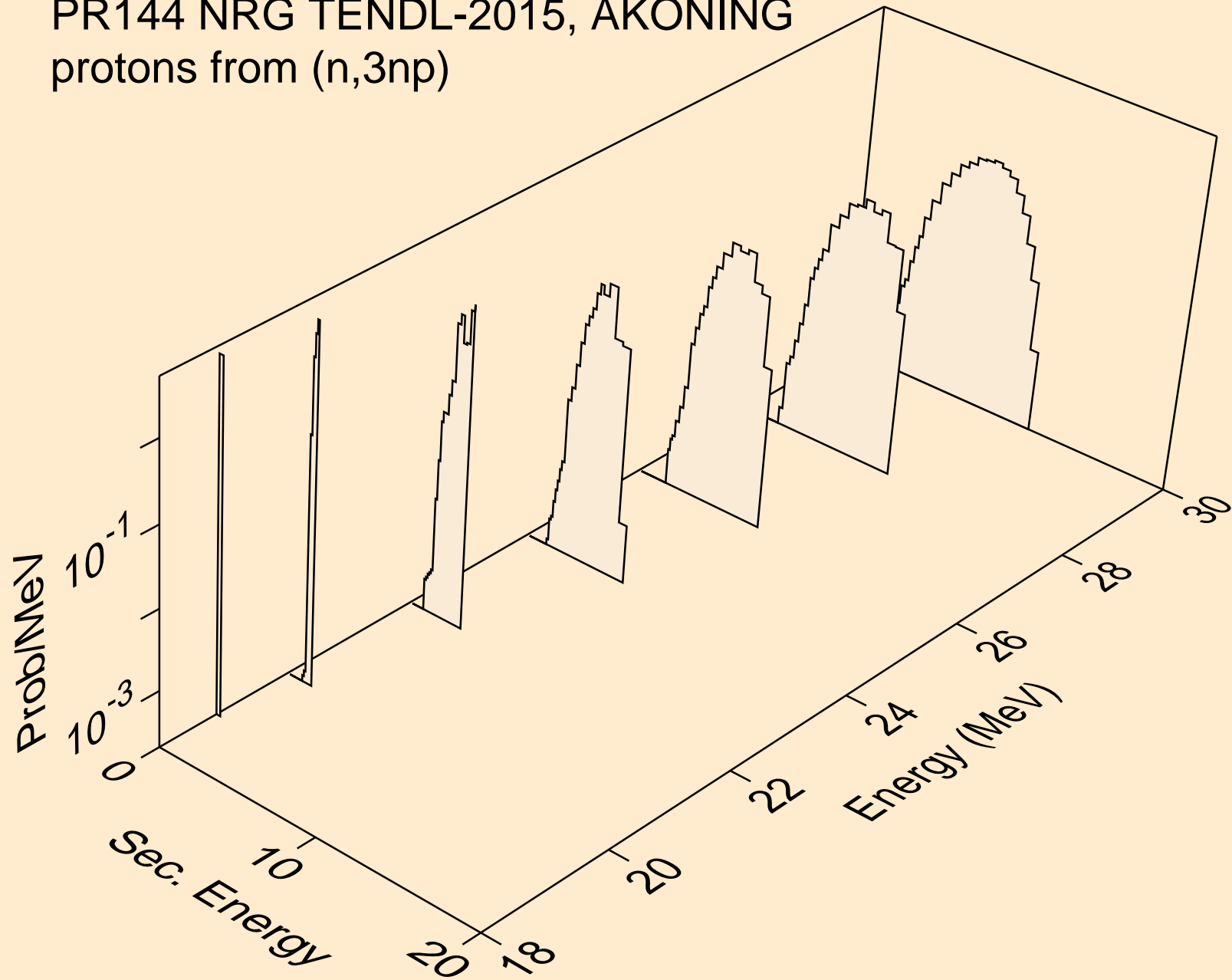


PR144 NRG TENDL-2015, AKONING  
protons from (n,2np)

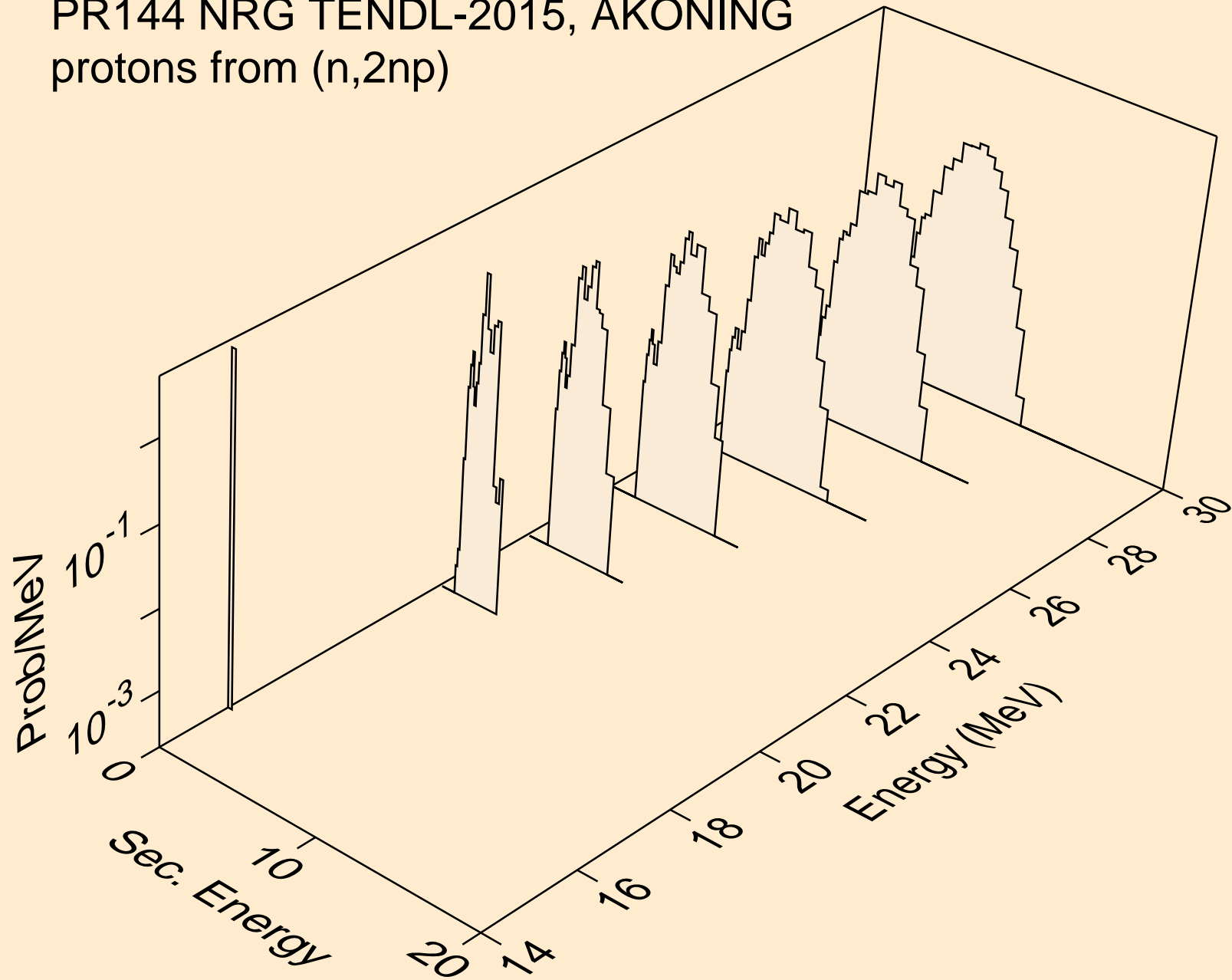




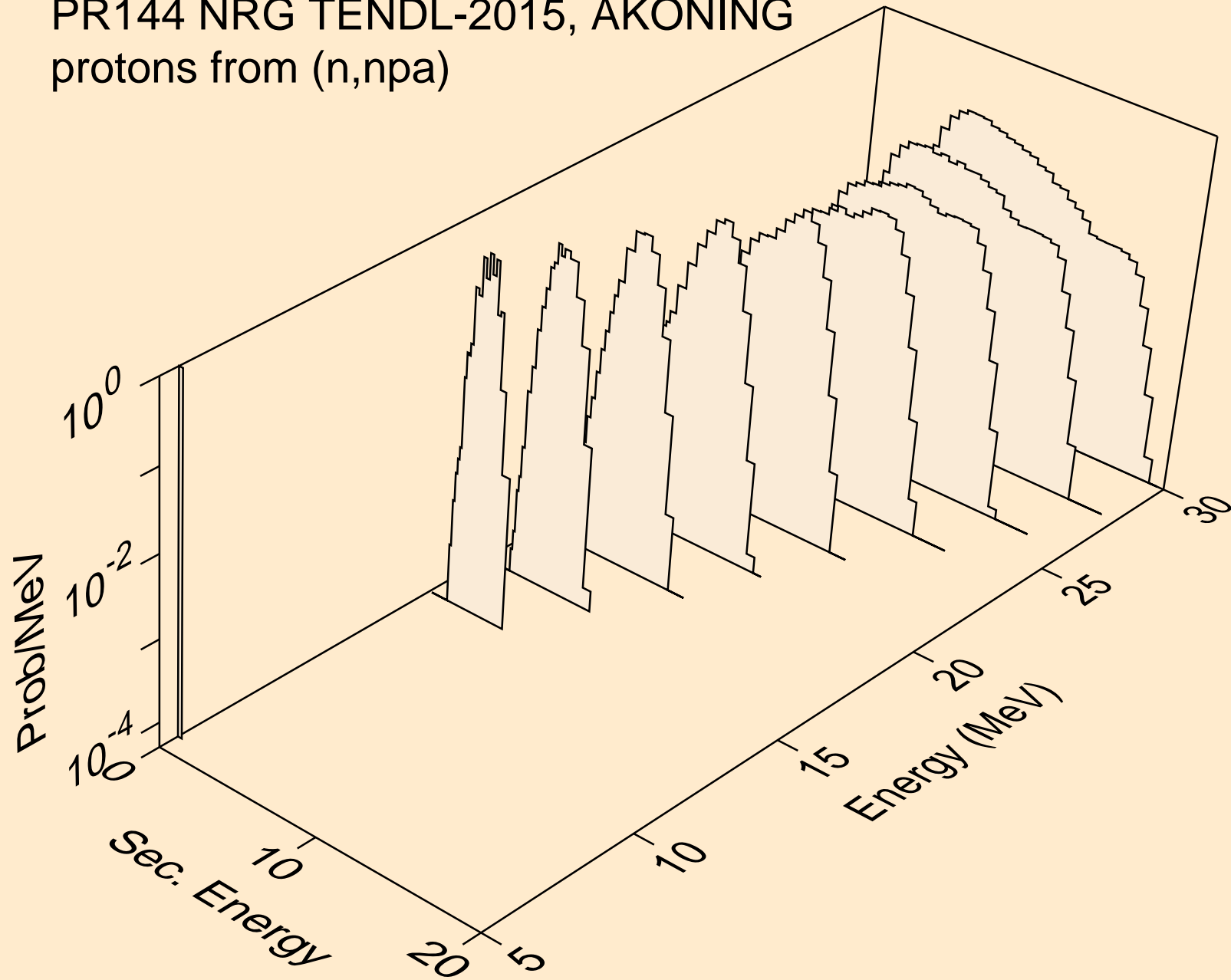
PR144 NRG TENDL-2015, AKONING  
protons from (n,3np)



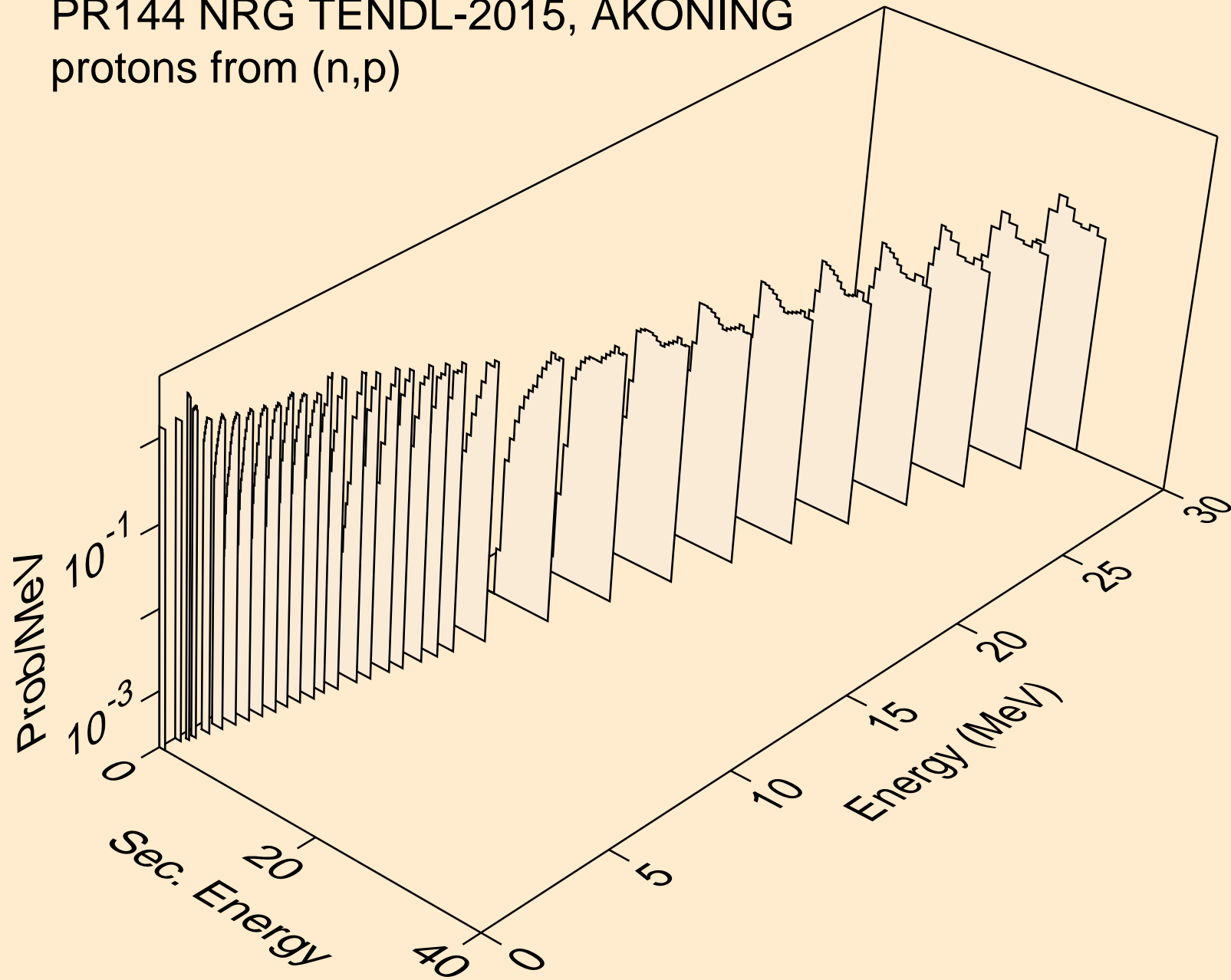
PR144 NRG TENDL-2015, AKONING  
protons from (n,2np)



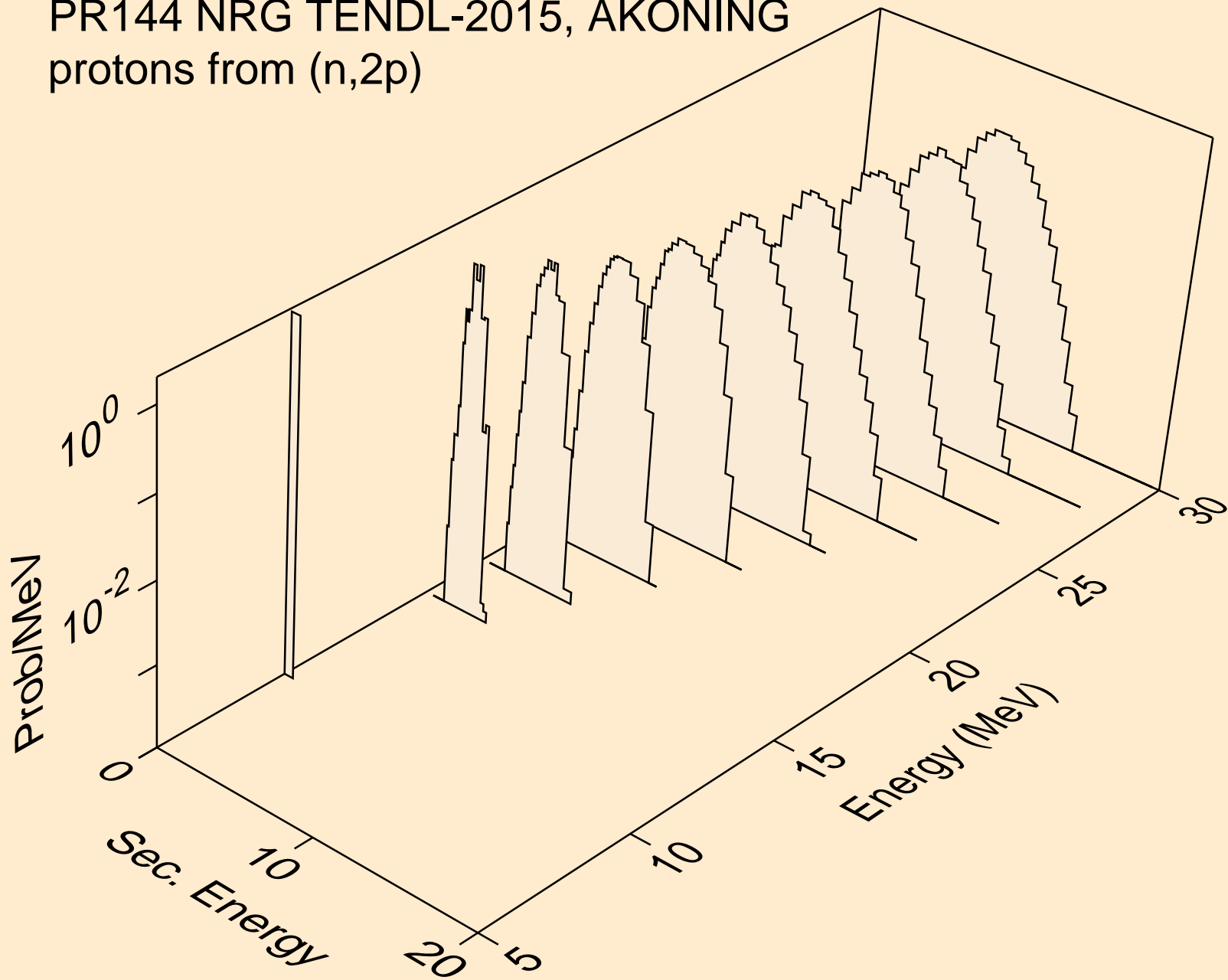
PR144 NRG TENDL-2015, AKONING  
protons from (n,npa)



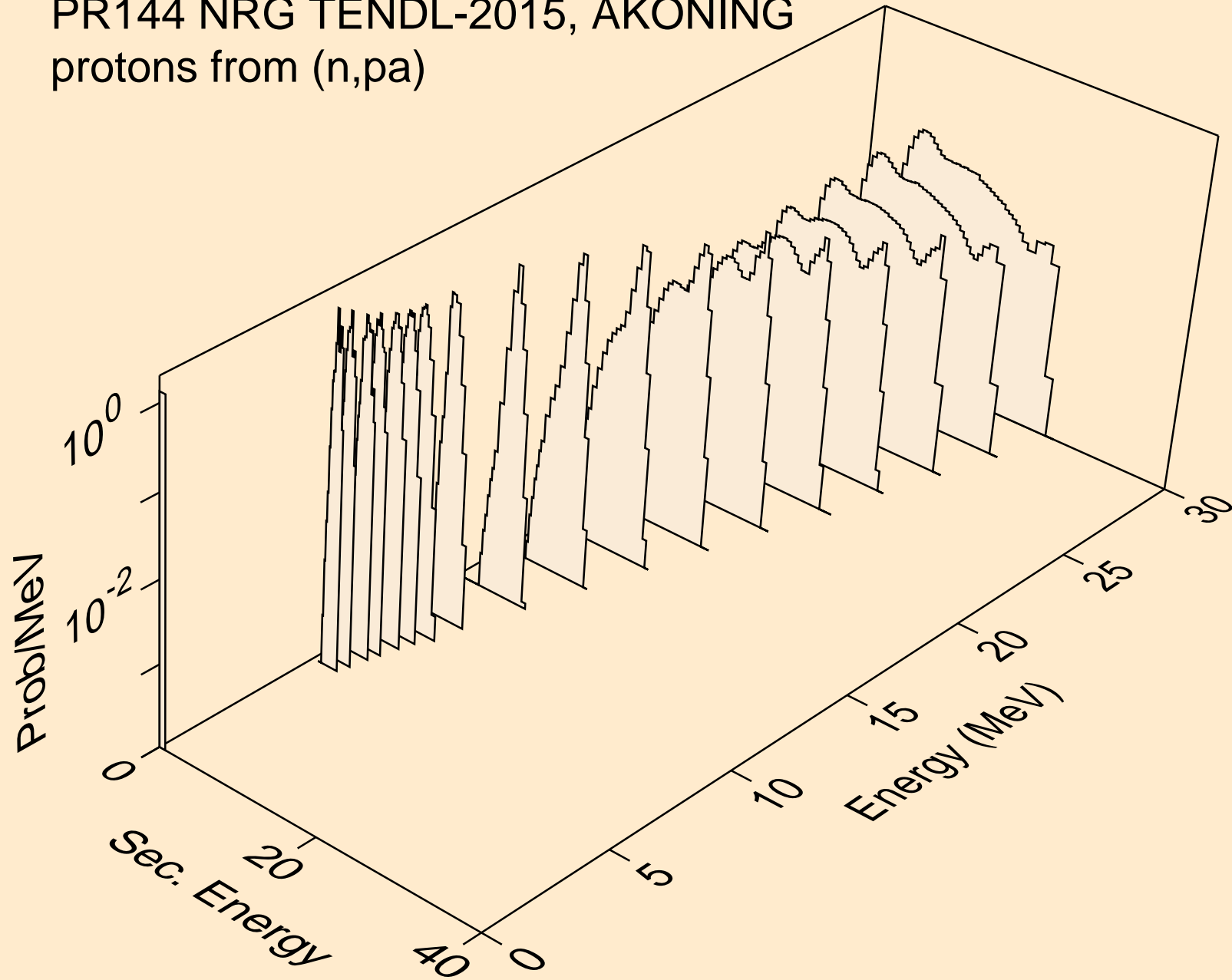
PR144 NRG TENDL-2015, AKONING  
protons from (n,p)



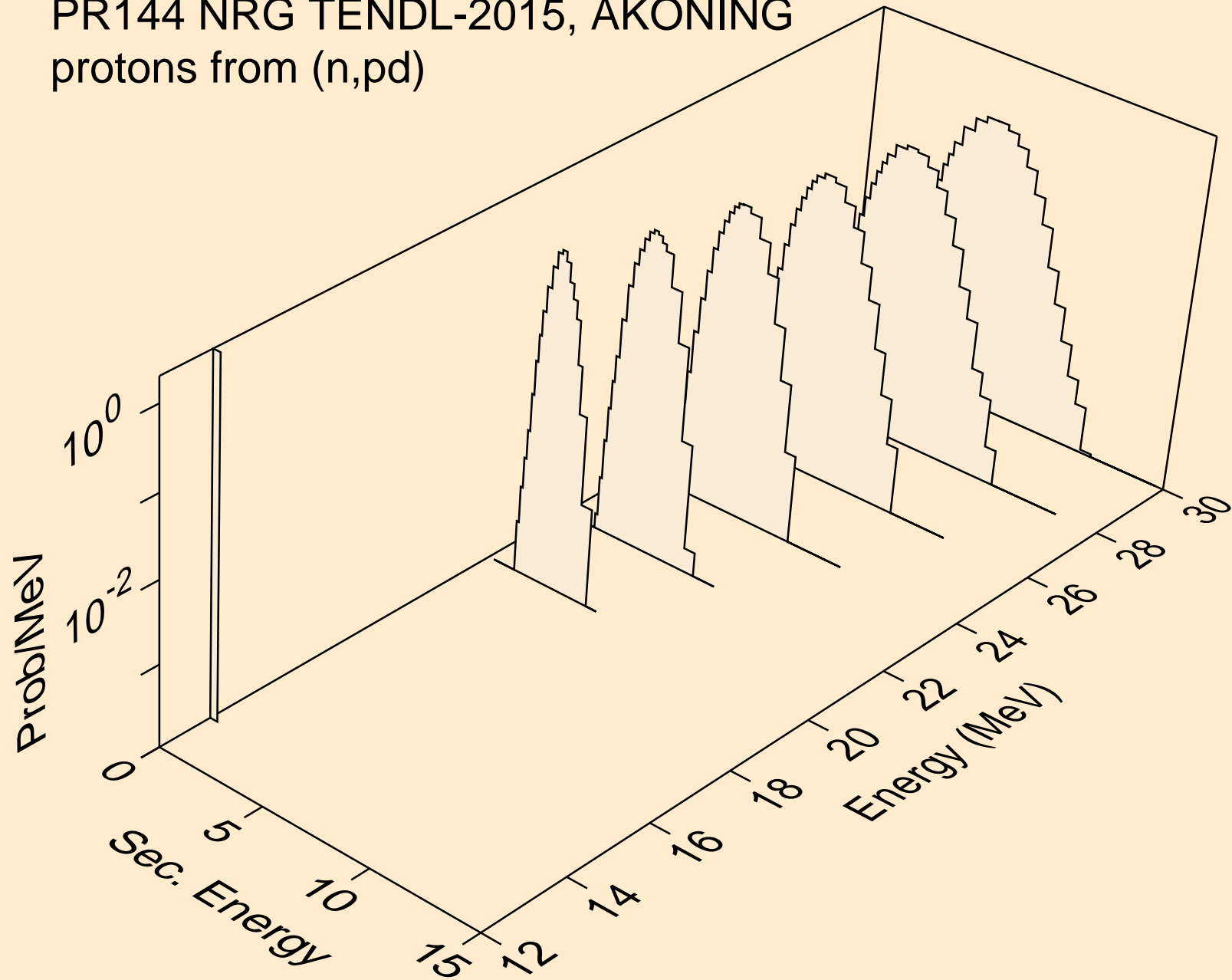
PR144 NRG TENDL-2015, AKONING  
protons from (n,2p)



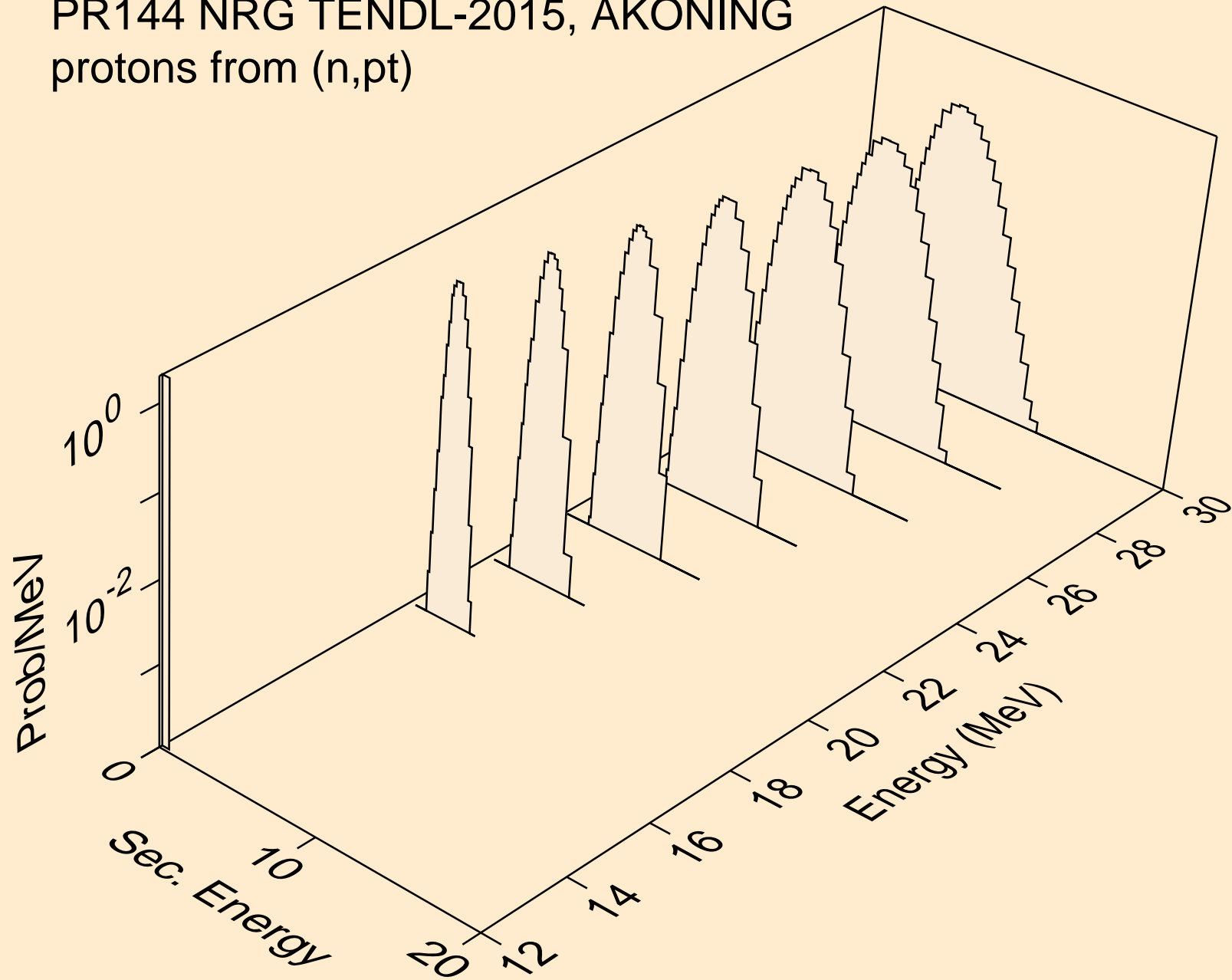
PR144 NRG TENDL-2015, AKONING  
protons from (n,pa)



PR144 NRG TENDL-2015, AKONING  
protons from (n,pd)

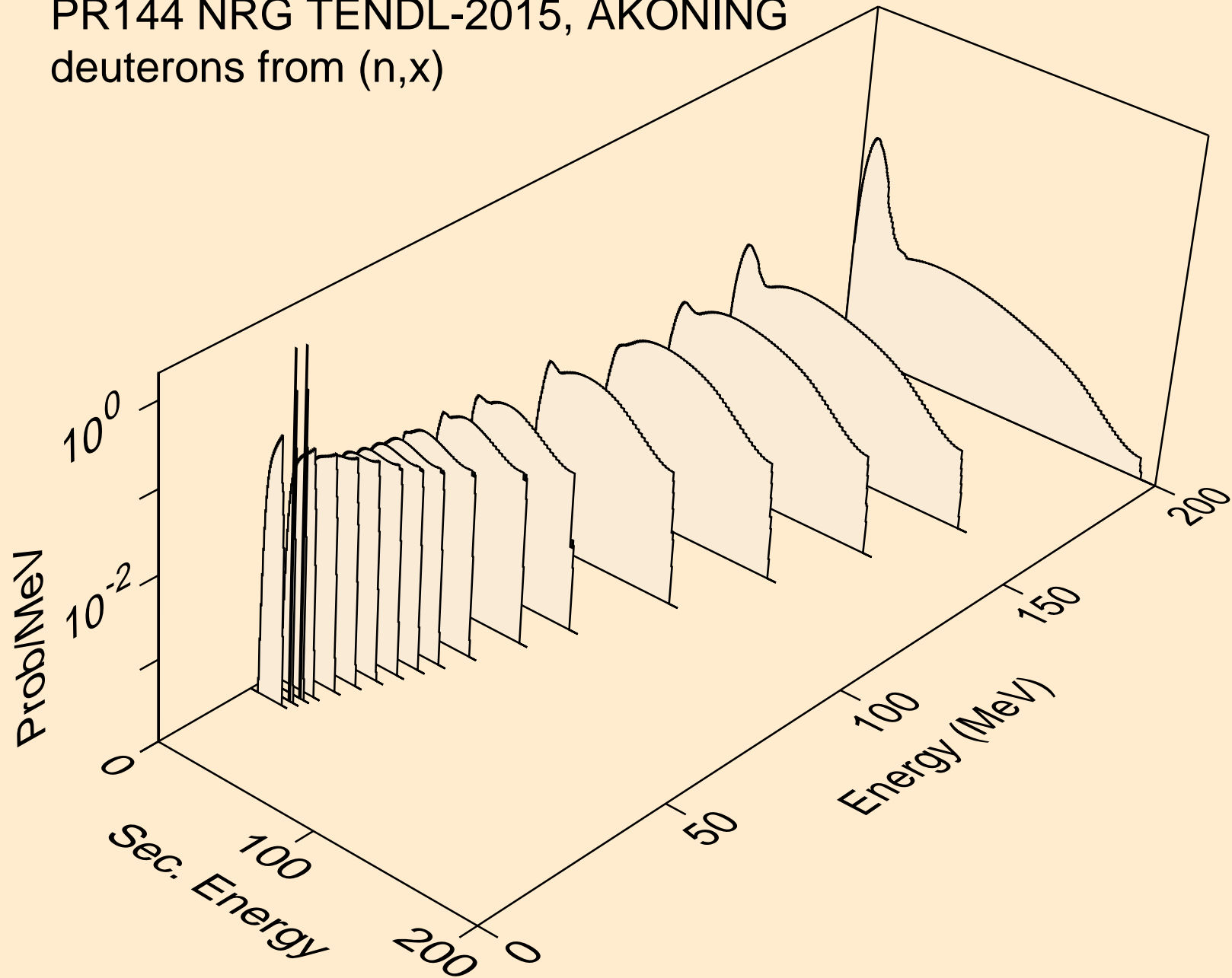


PR144 NRG TENDL-2015, AKONING  
protons from (n,pt)

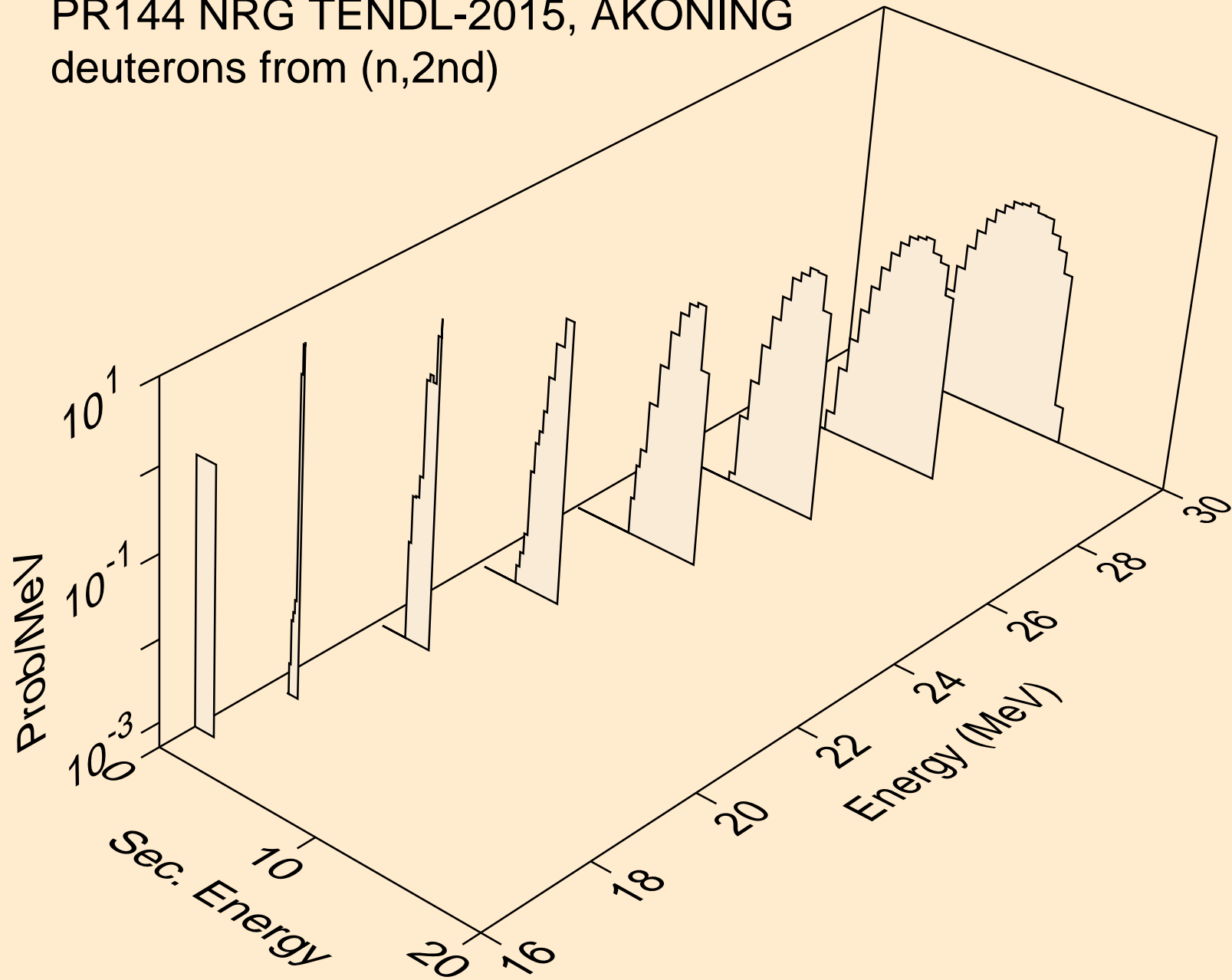




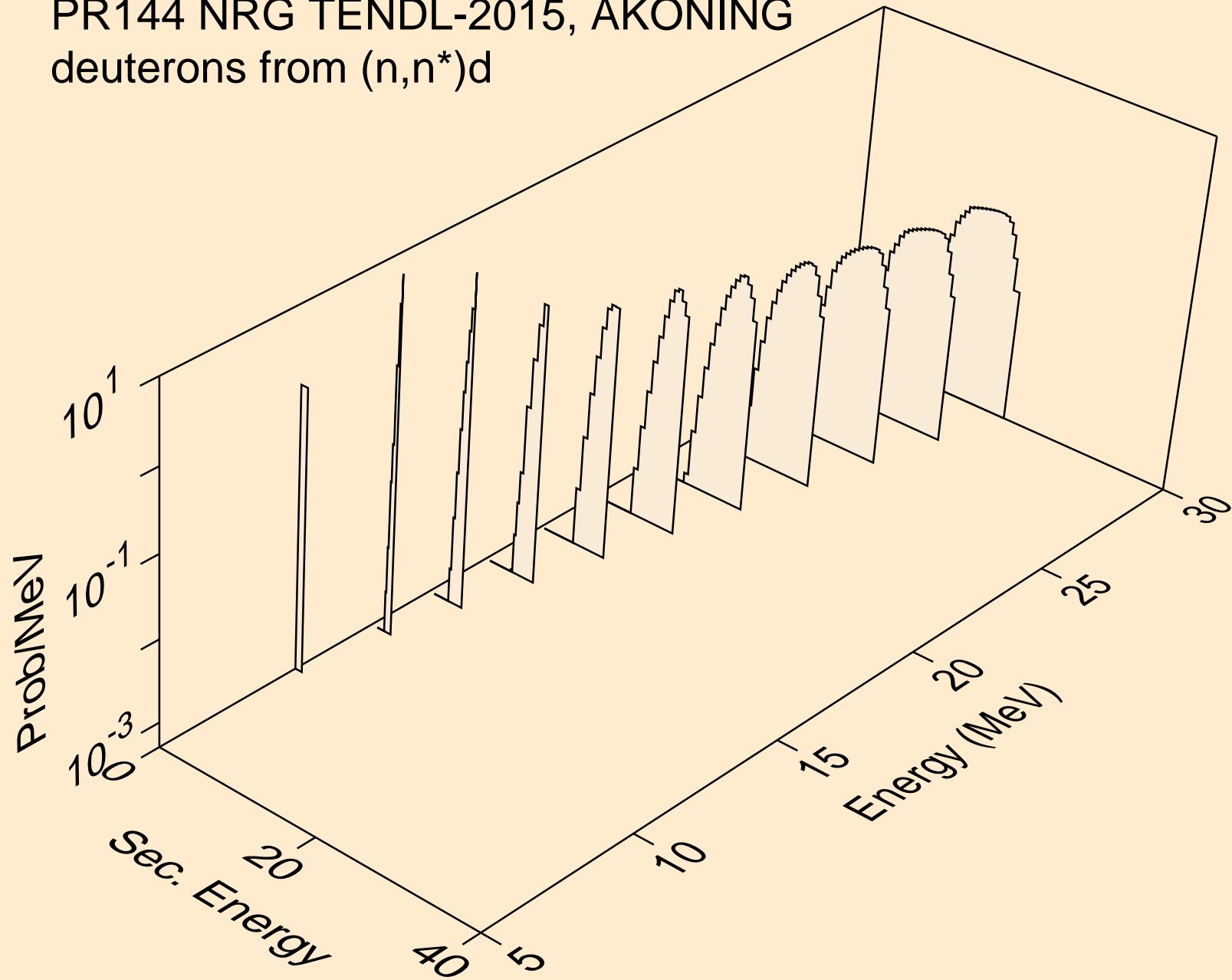
PR144 NRG TENDL-2015, AKONING  
deuterons from (n,x)



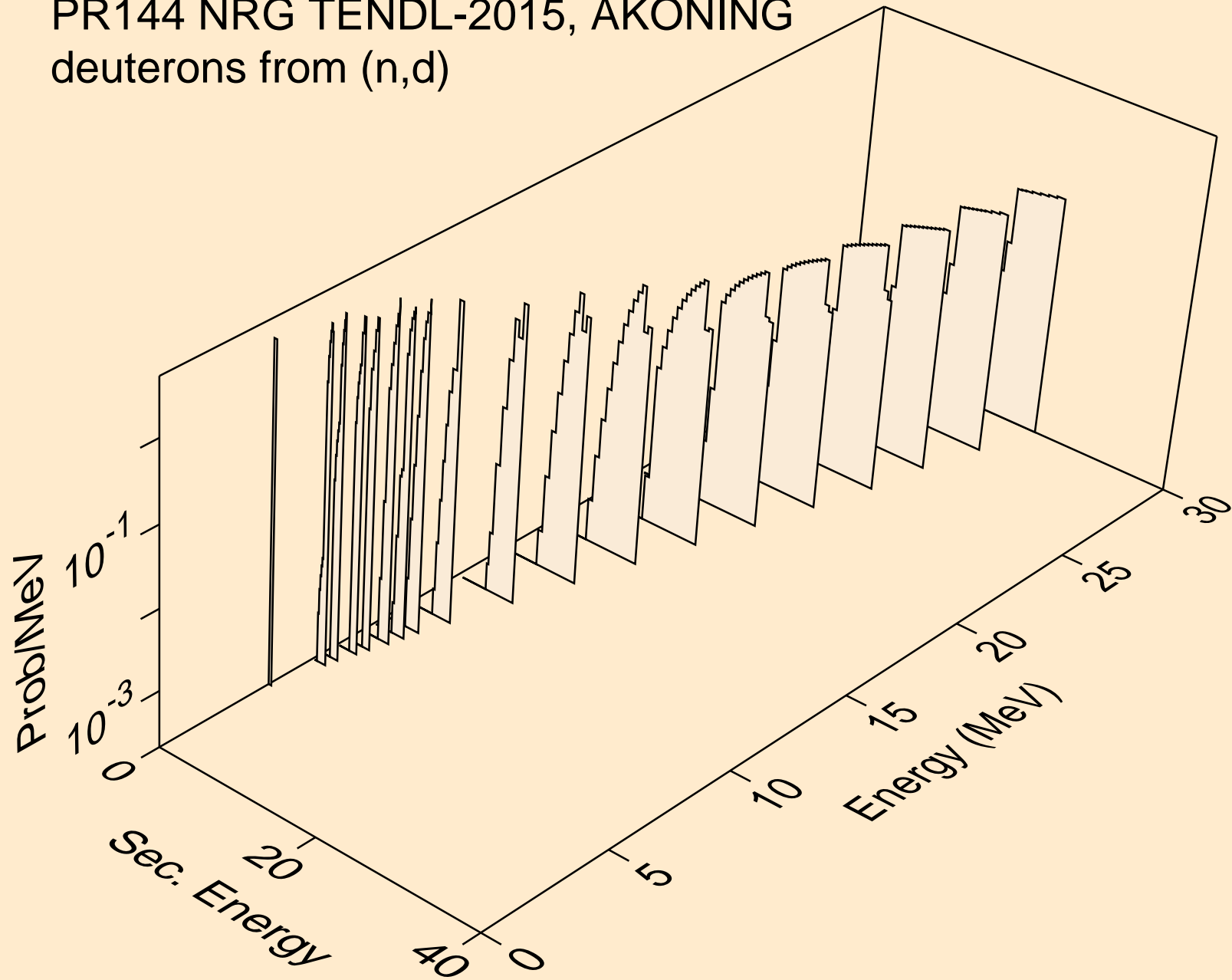
PR144 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



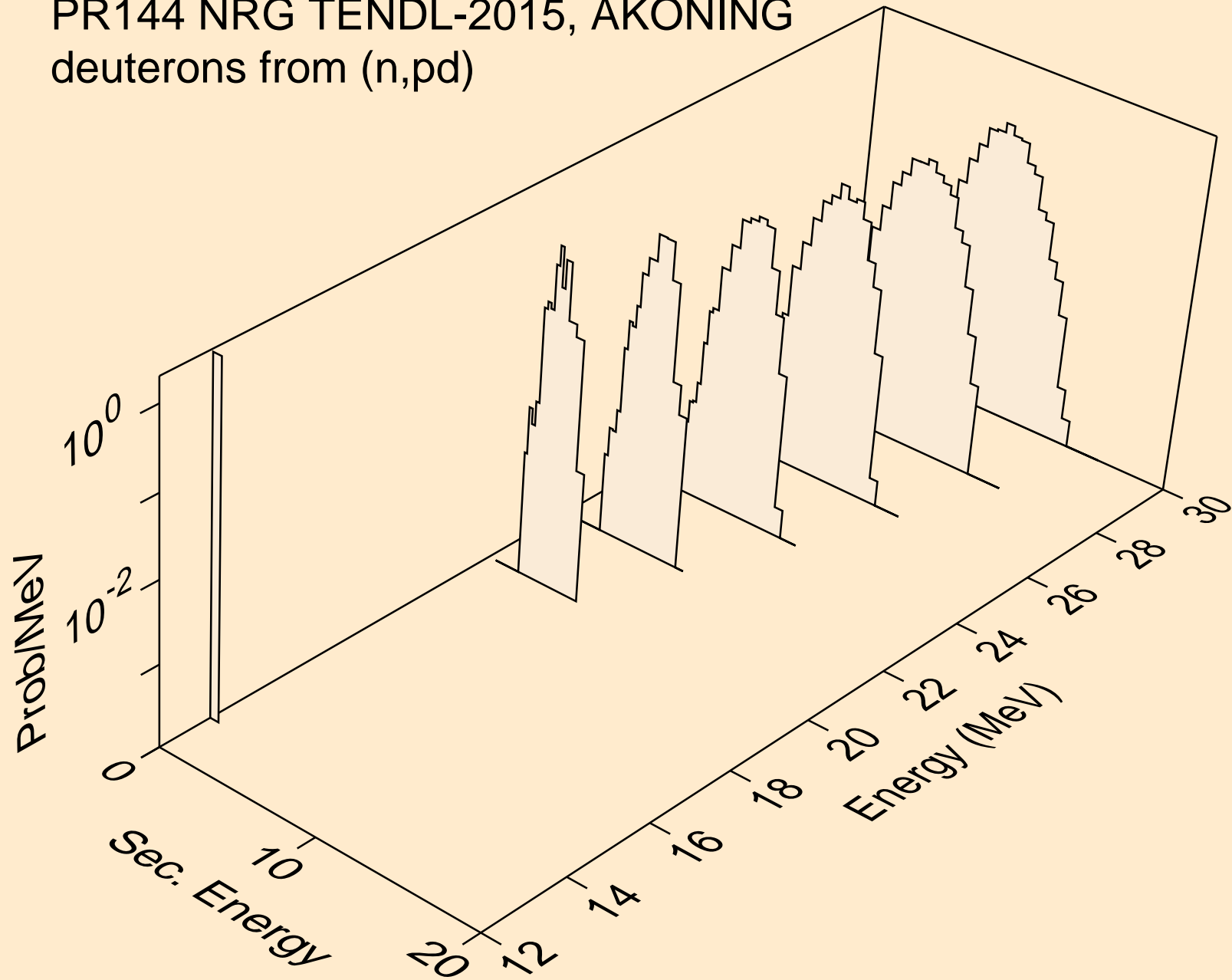
PR144 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



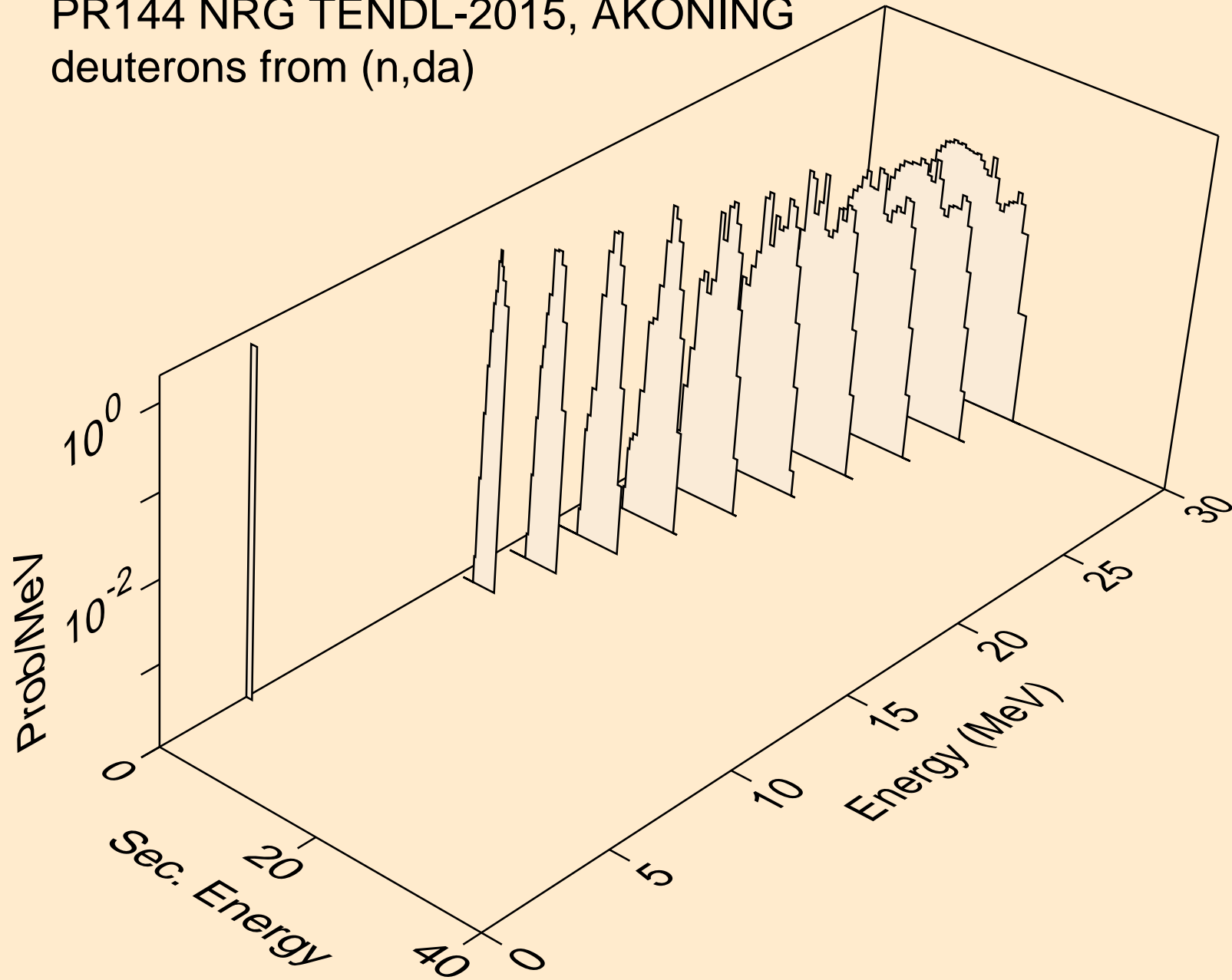
PR144 NRG TENDL-2015, AKONING  
deuterons from (n,d)



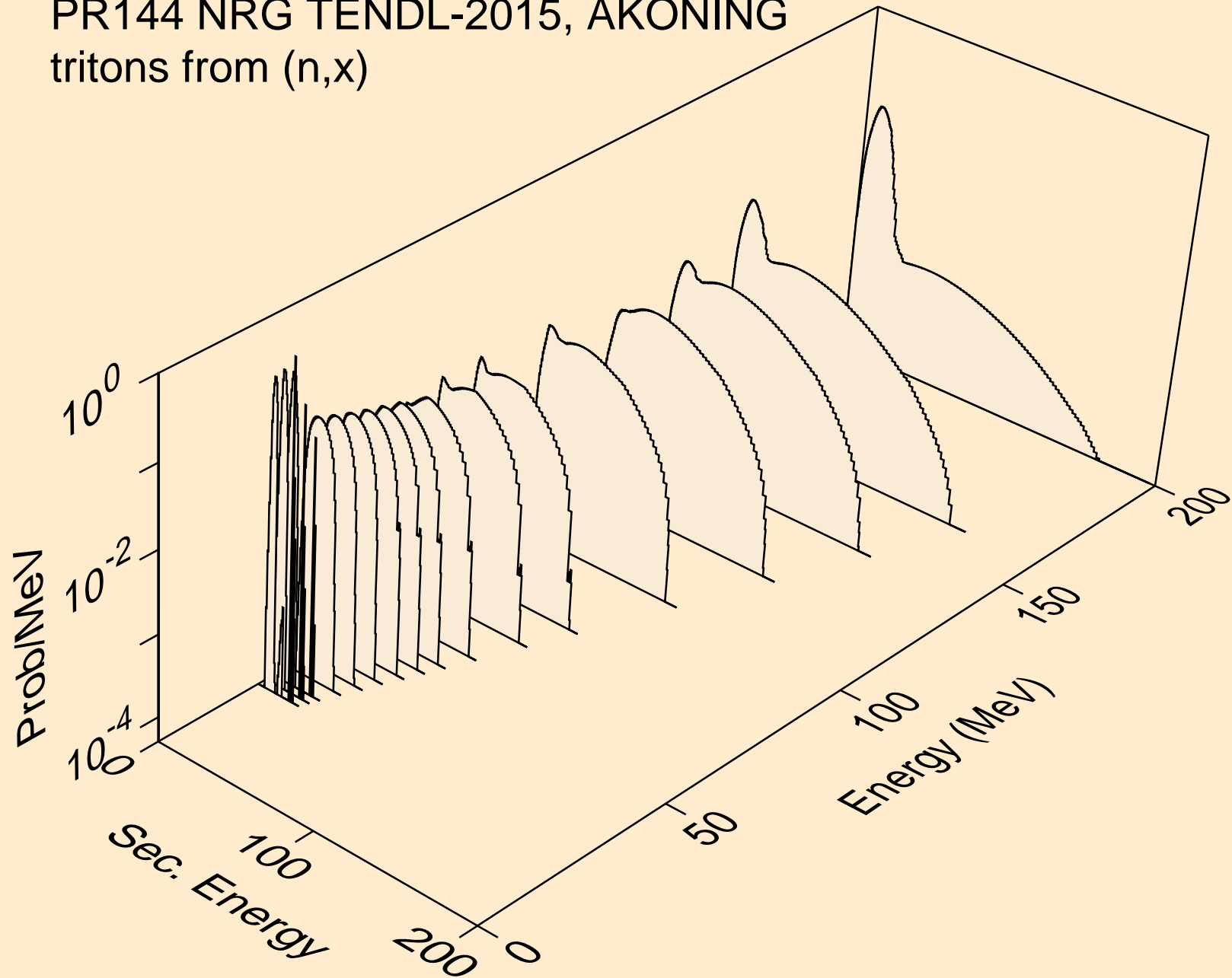
PR144 NRG TENDL-2015, AKONING  
deuterons from (n,pd)



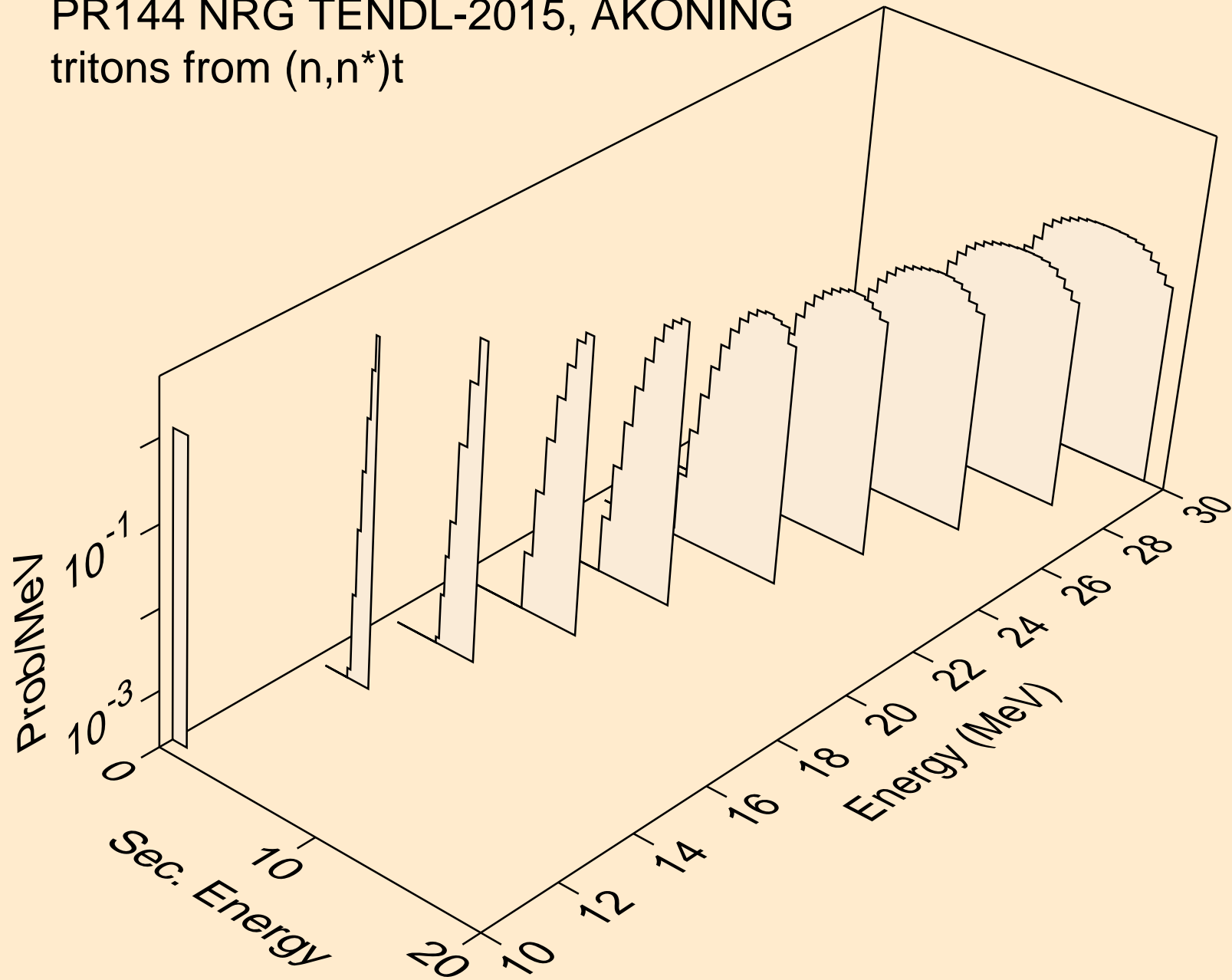
PR144 NRG TENDL-2015, AKONING  
deuterons from (n,da)



PR144 NRG TENDL-2015, AKONING  
tritons from (n,x)

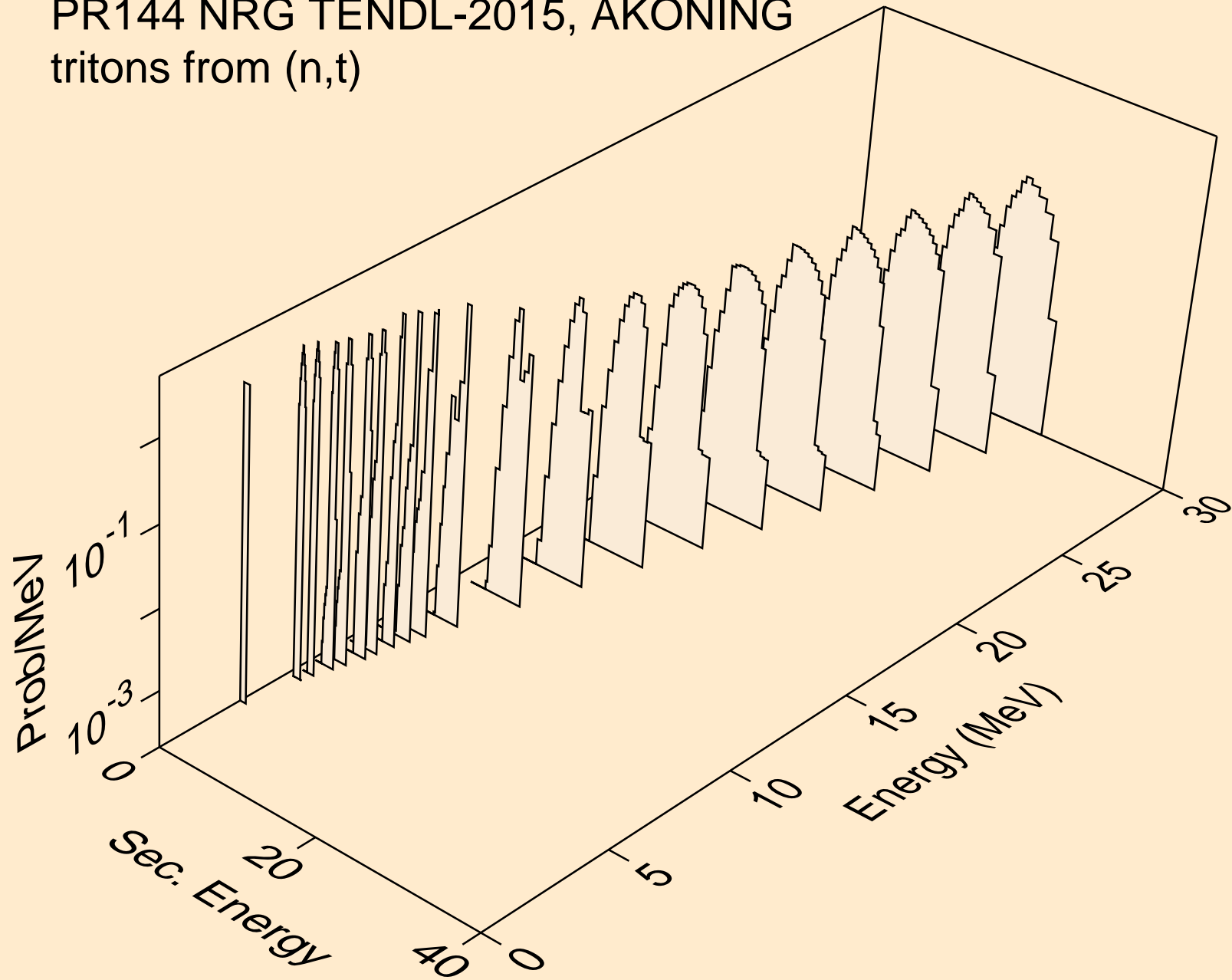


PR144 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t

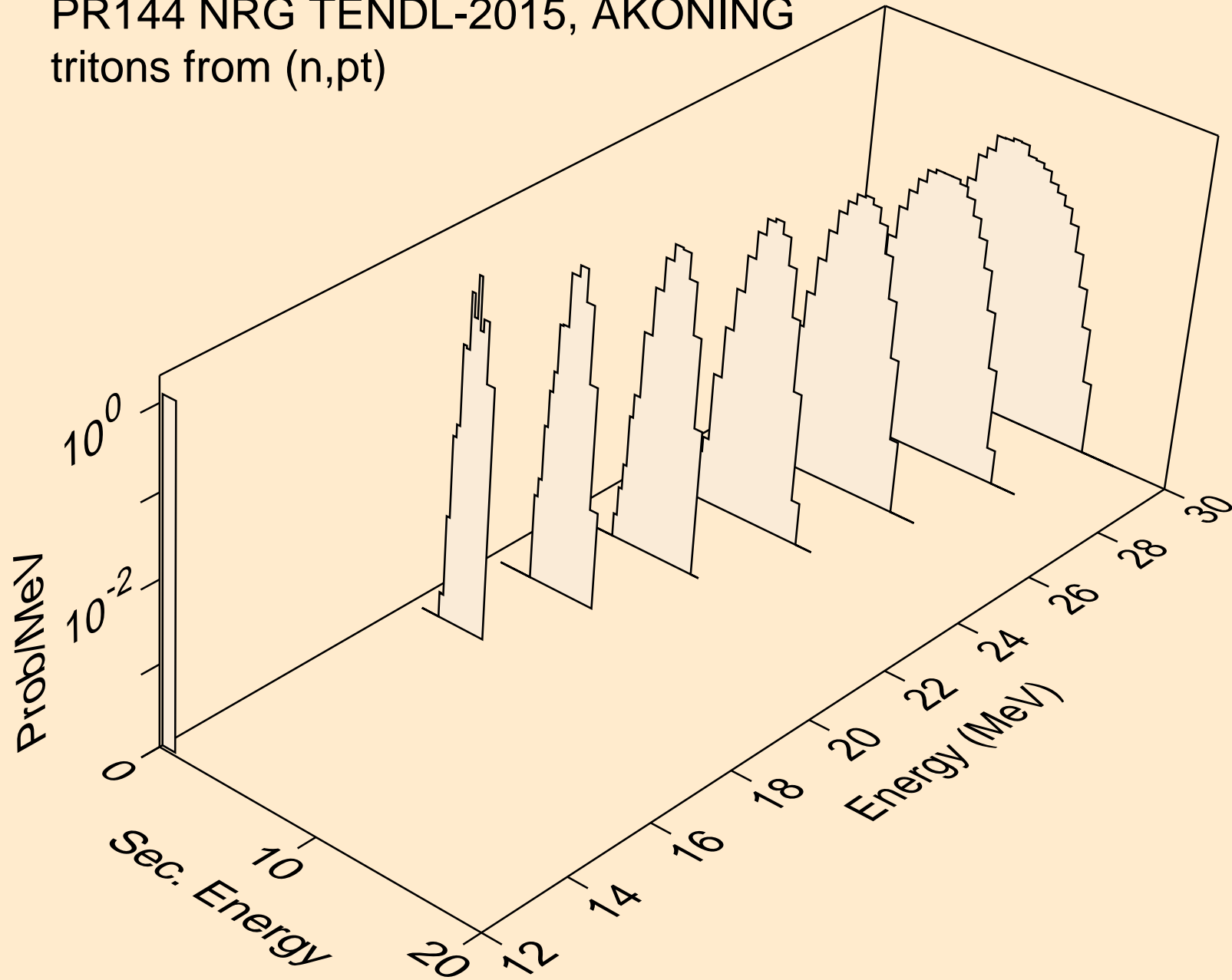




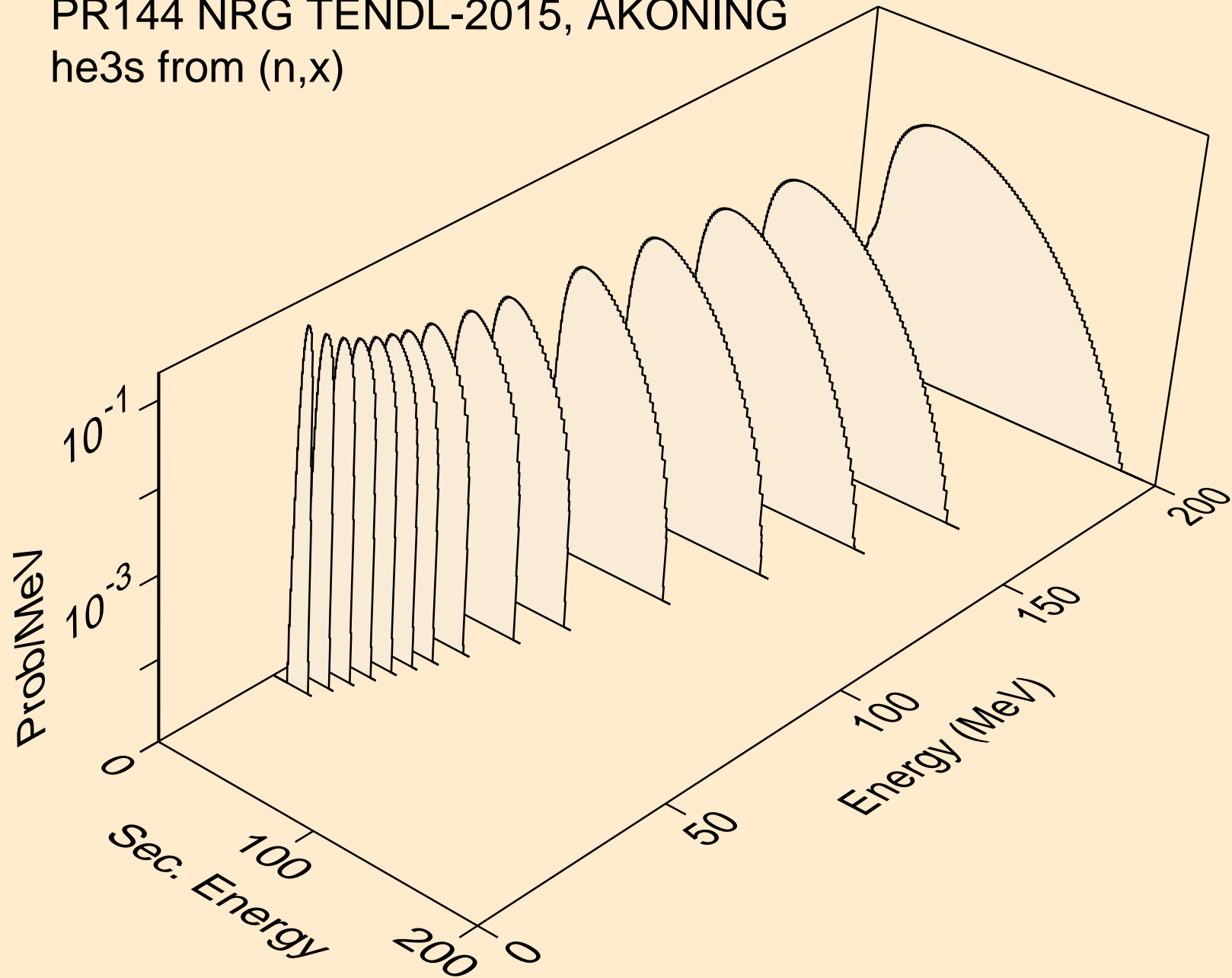
PR144 NRG TENDL-2015, AKONING  
tritons from (n,t)



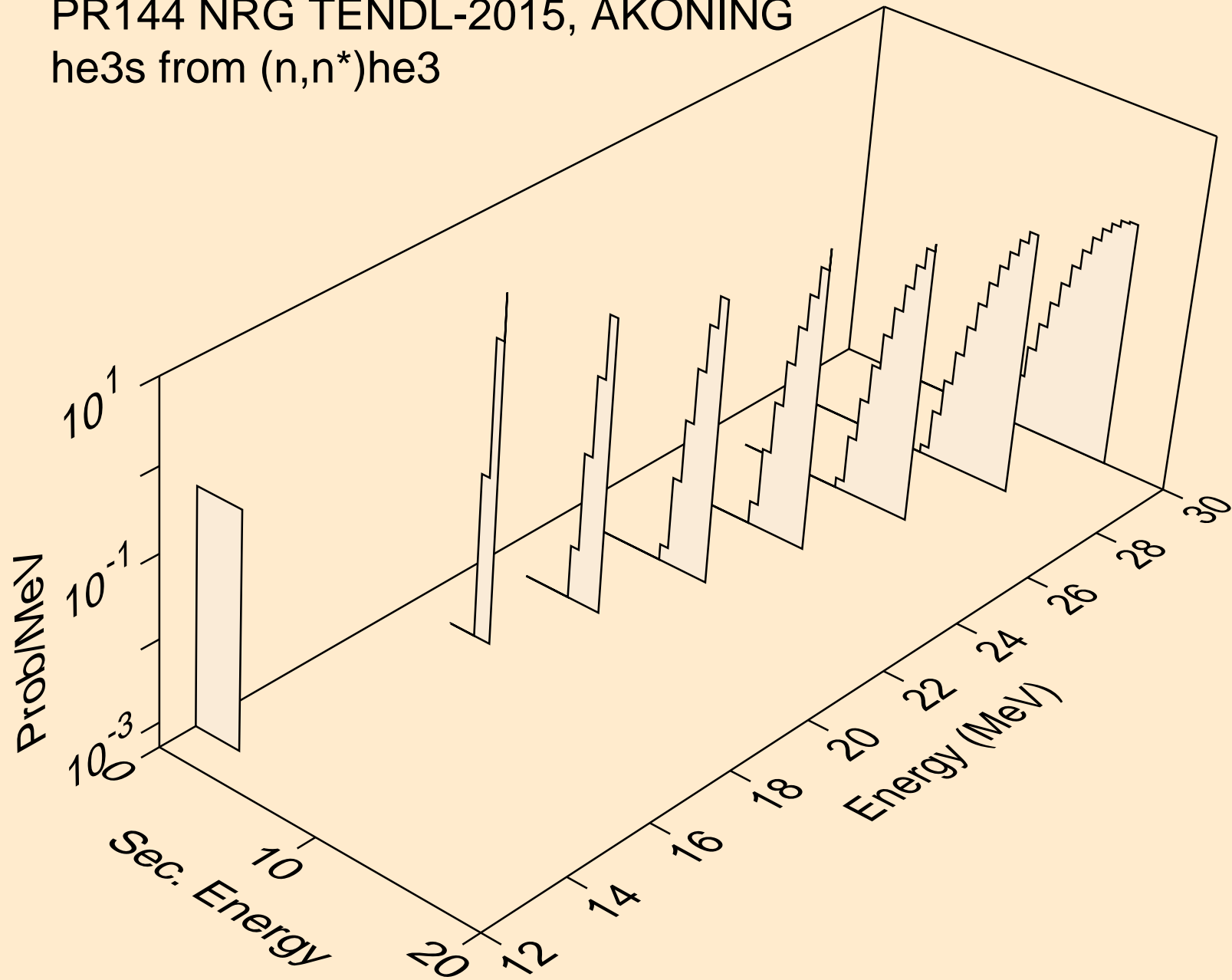
PR144 NRG TENDL-2015, AKONING  
tritons from (n,pt)



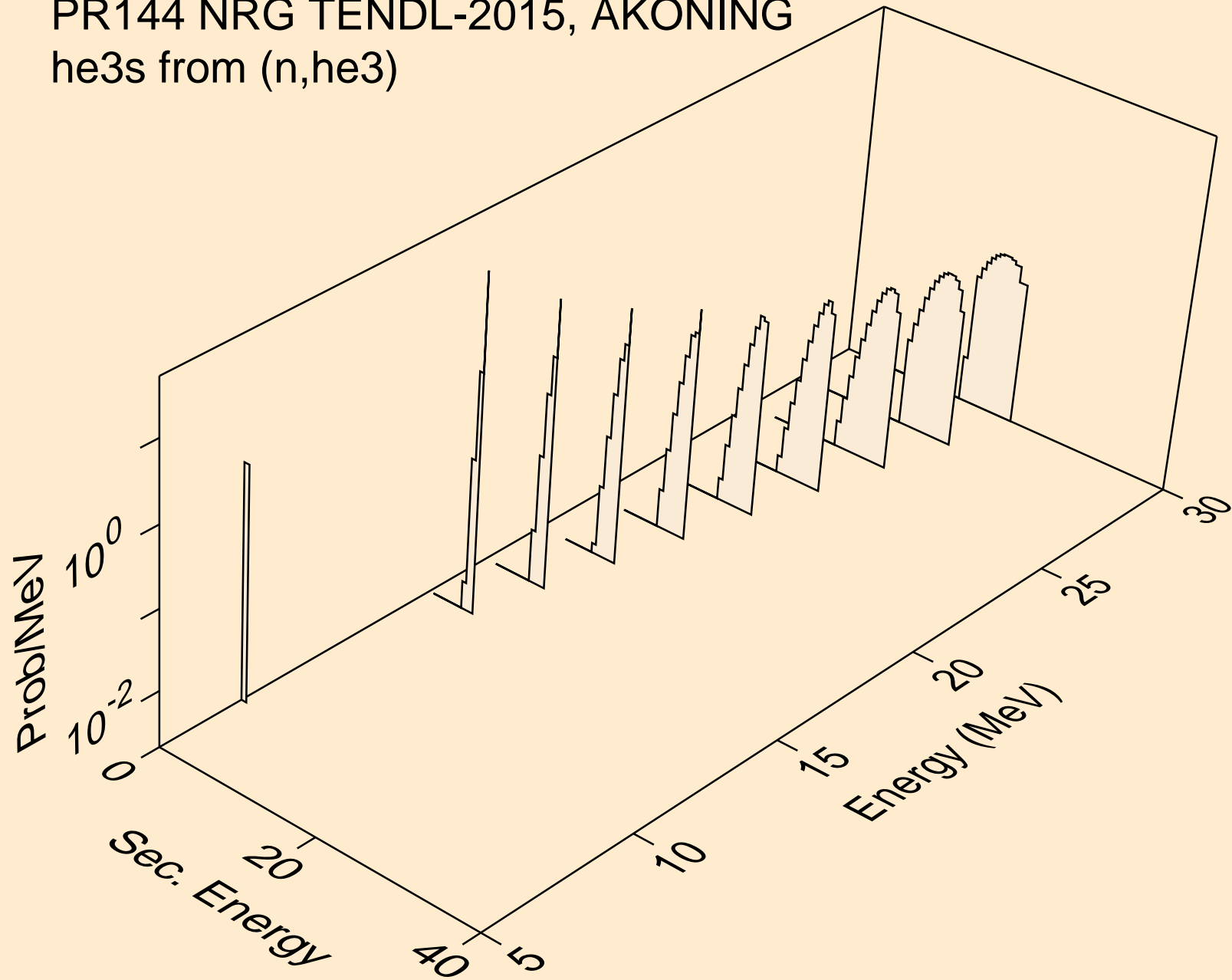
PR144 NRG TENDL-2015, AKONING  
he3s from (n,x)



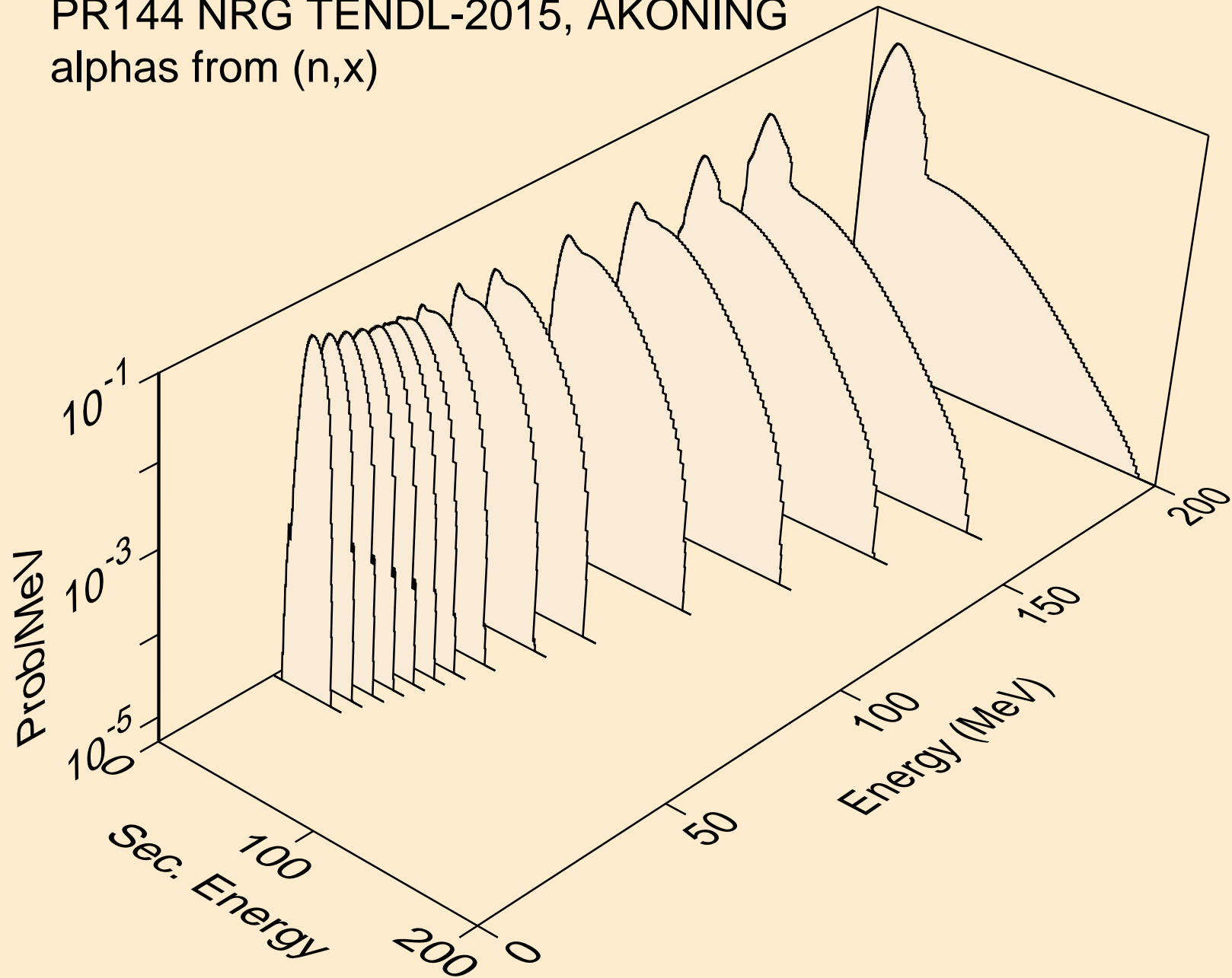
PR144 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



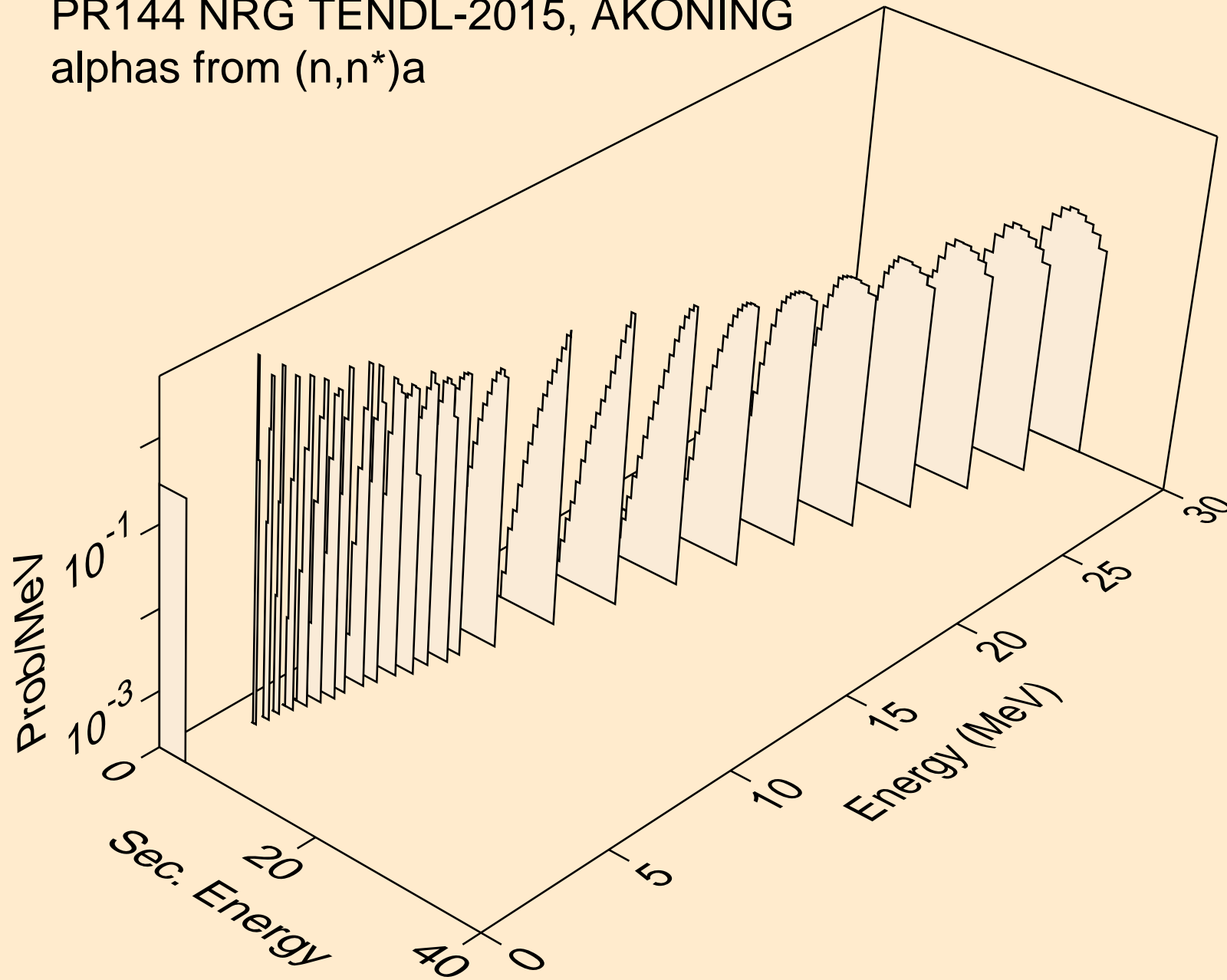
PR144 NRG TENDL-2015, AKONING  
he3s from (n,he3)



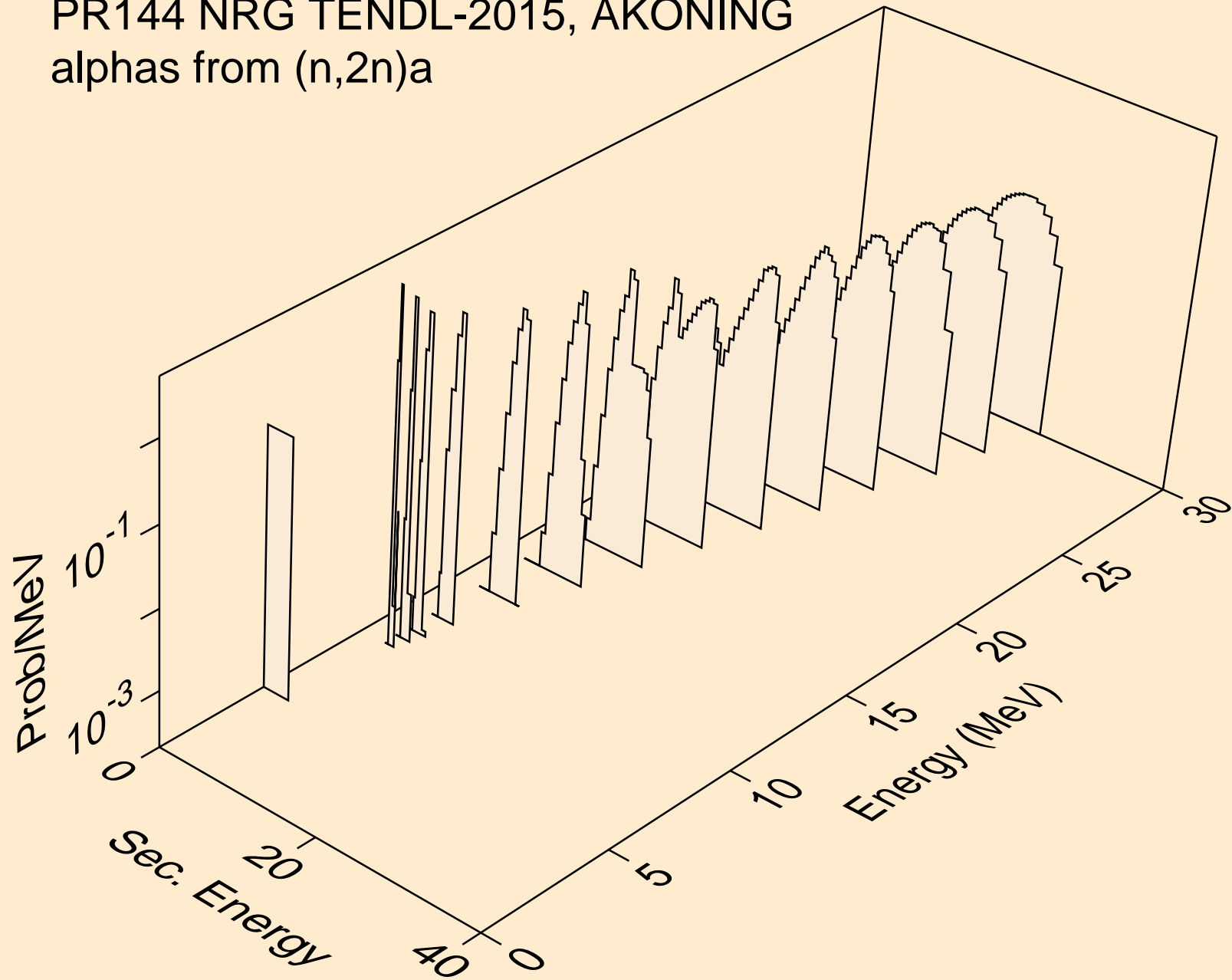
PR144 NRG TENDL-2015, AKONING  
alphas from (n,x)



PR144 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a

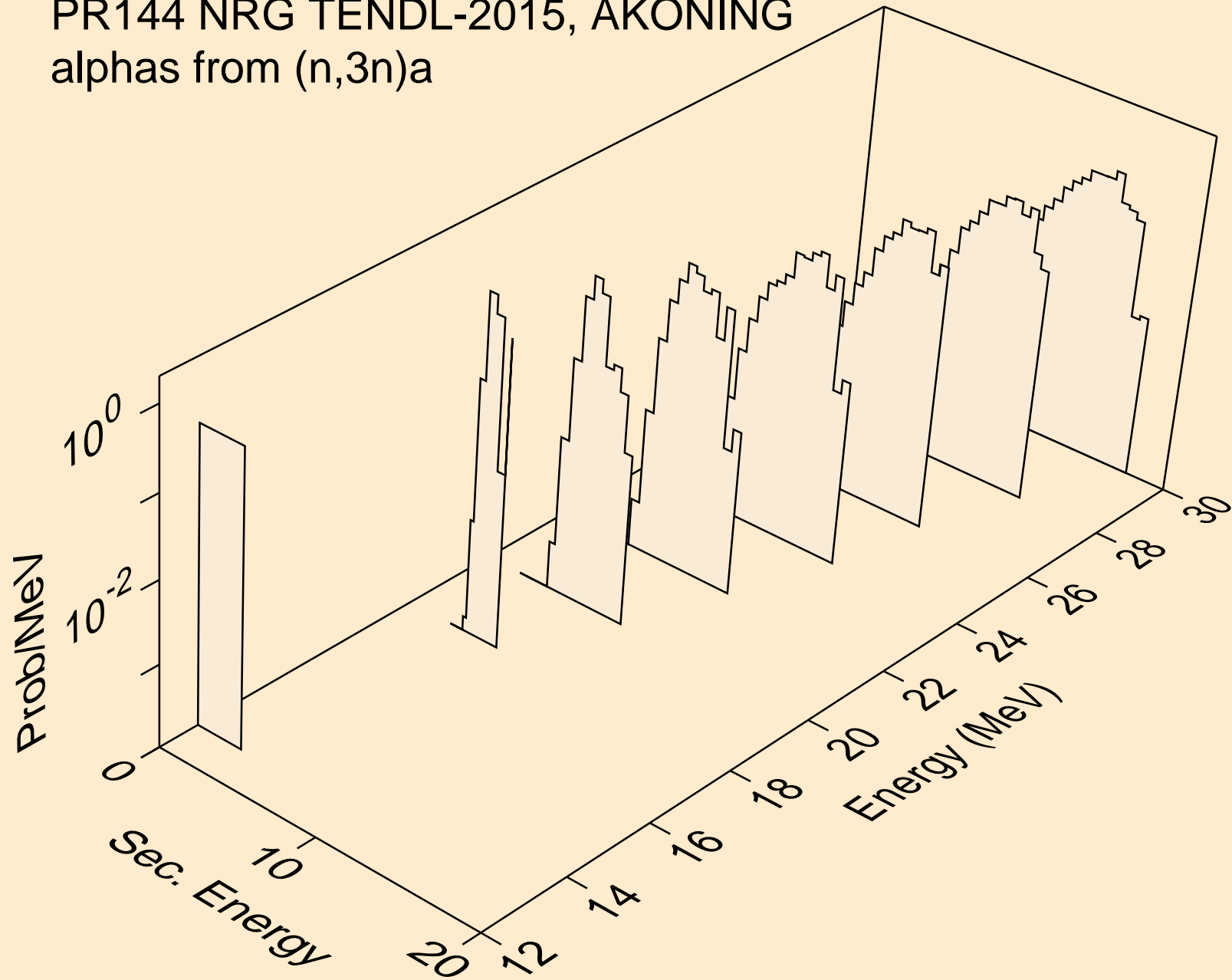


PR144 NRG TENDL-2015, AKONING  
alphas from (n,2n)a

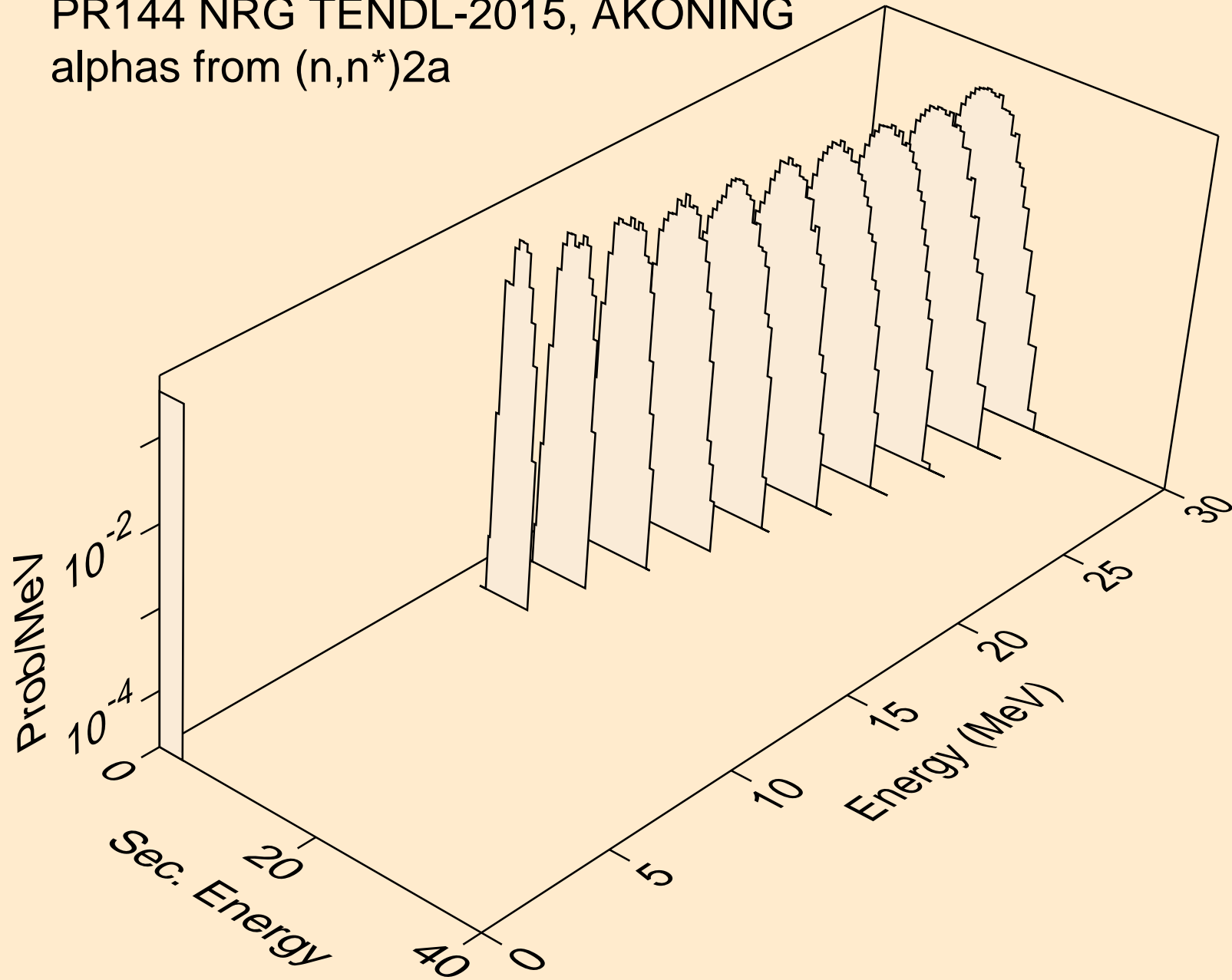




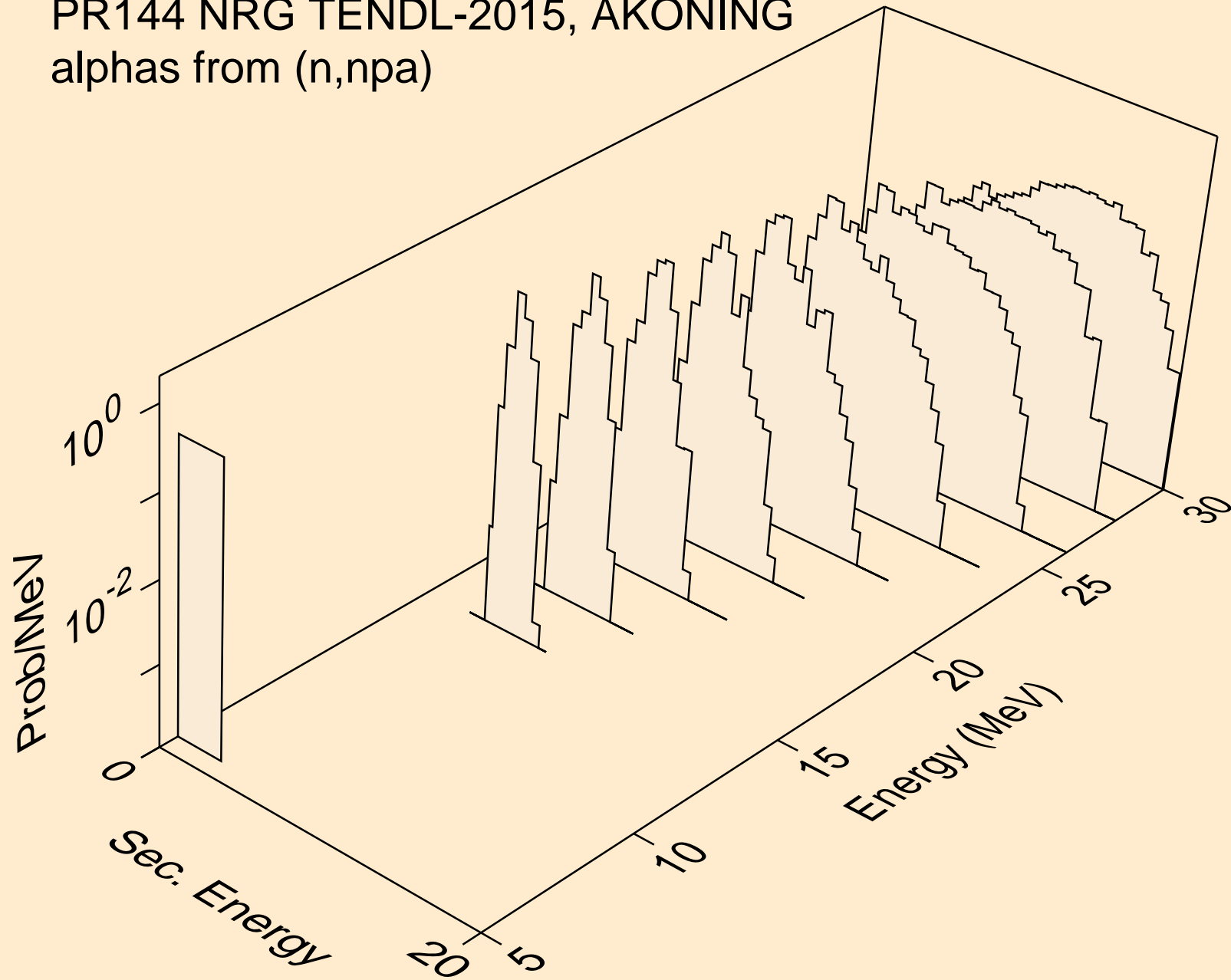
PR144 NRG TENDL-2015, AKONING  
alphas from (n,3n)a



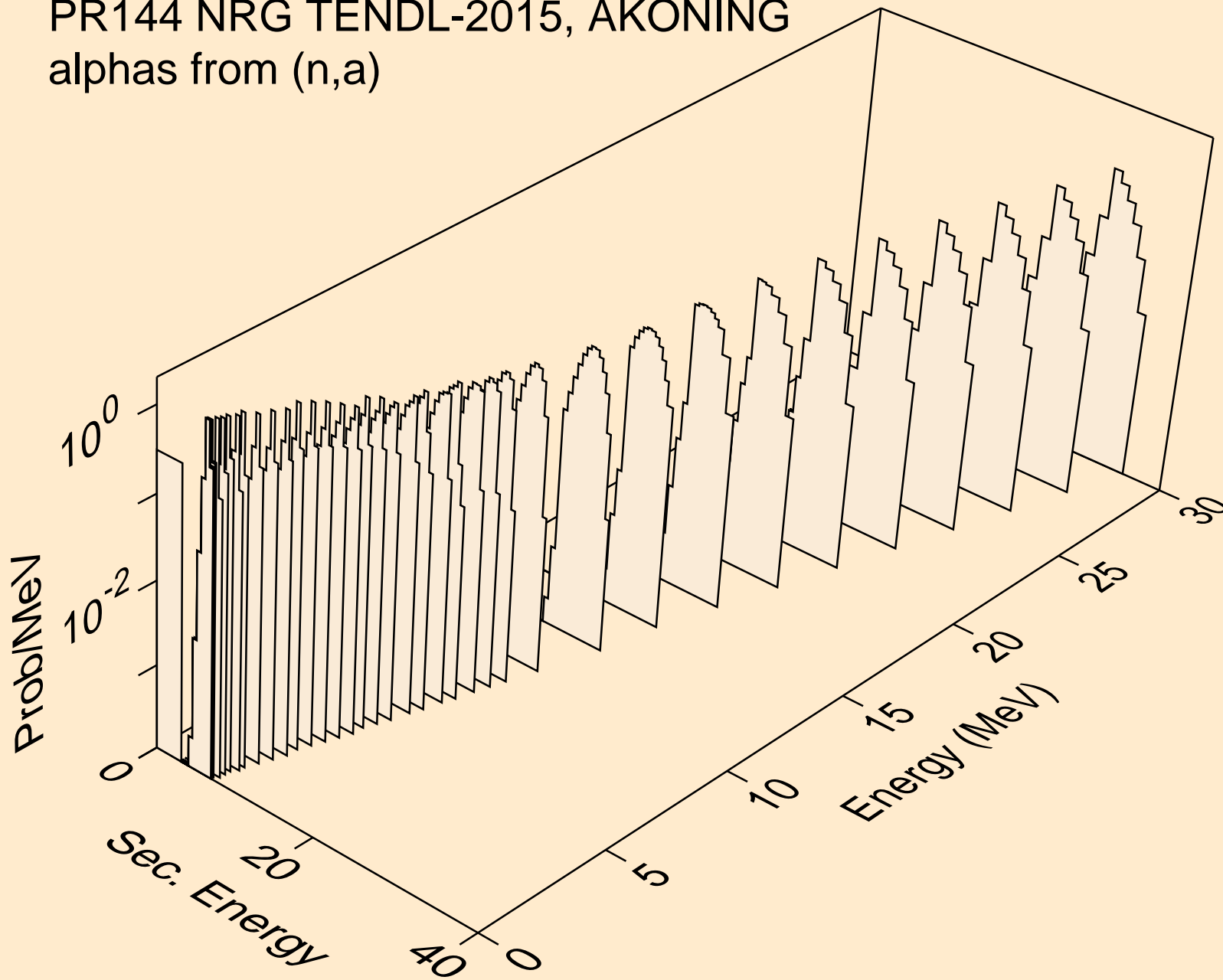
PR144 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



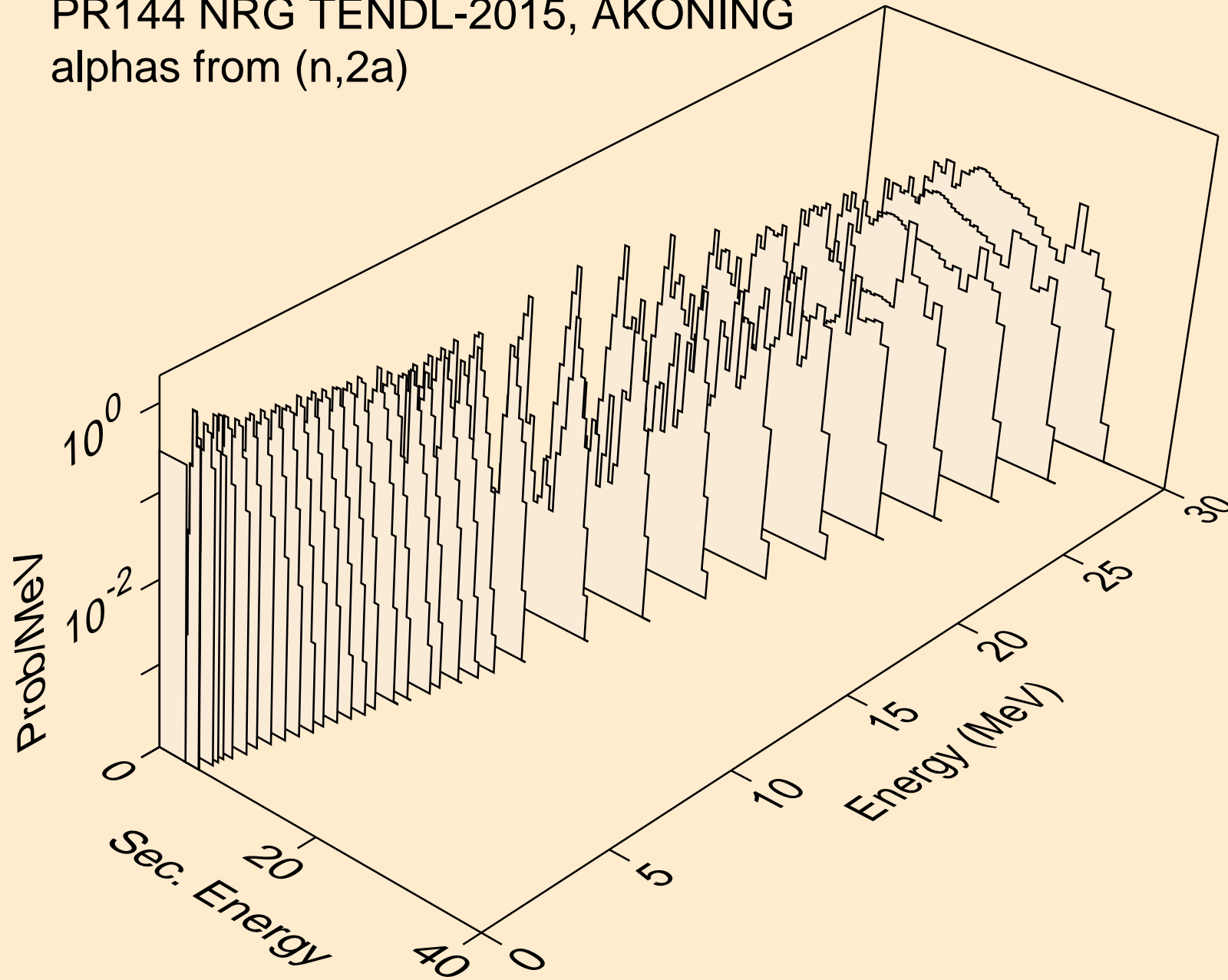
PR144 NRG TENDL-2015, AKONING  
alphas from (n,npa)



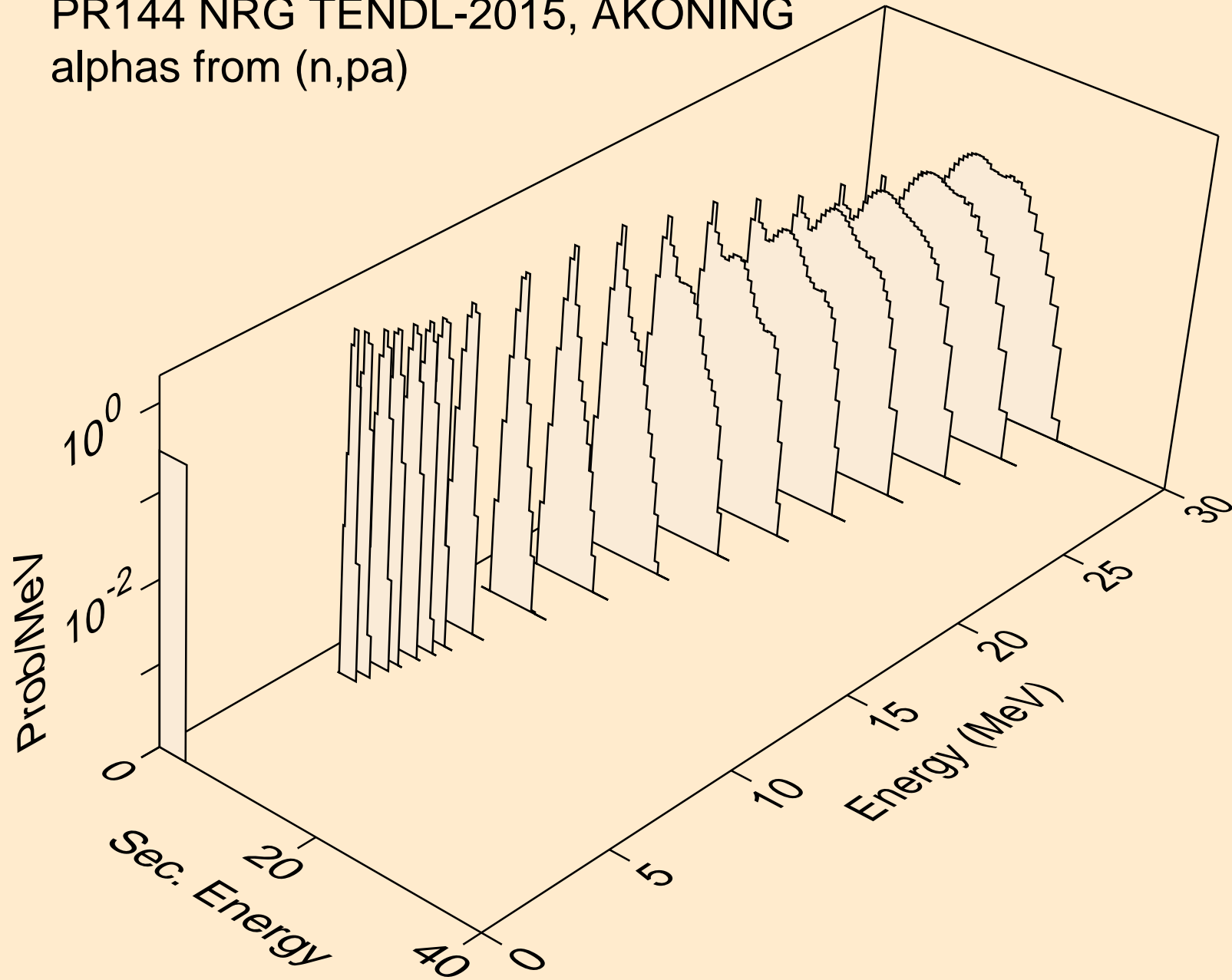
PR144 NRG TENDL-2015, AKONING  
alphas from (n,a)



PR144 NRG TENDL-2015, AKONING  
alphas from (n,2a)



PR144 NRG TENDL-2015, AKONING  
alphas from (n,pa)



PR144 NRG TENDL-2015, AKONING  
alphas from (n,da)

