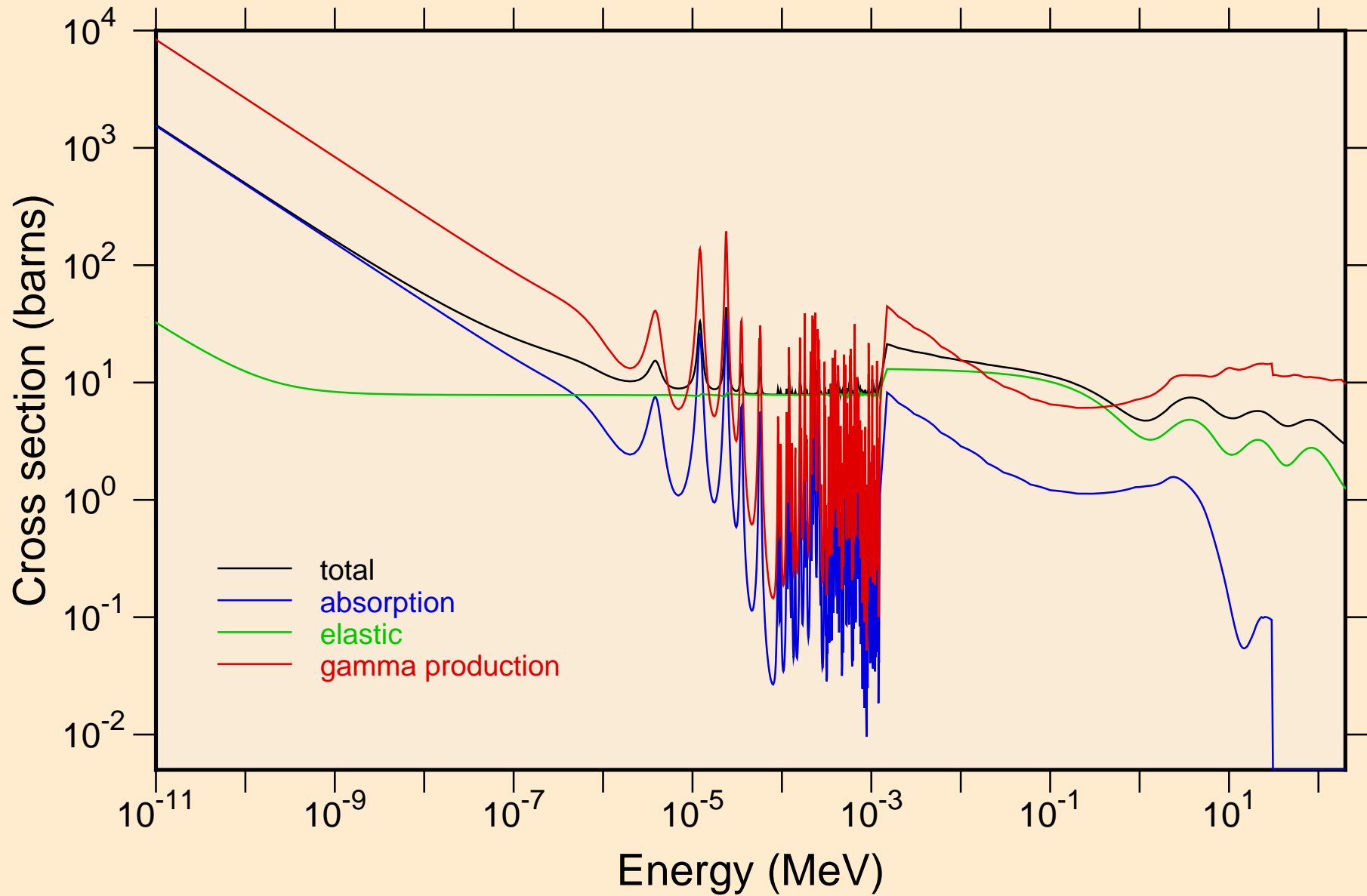
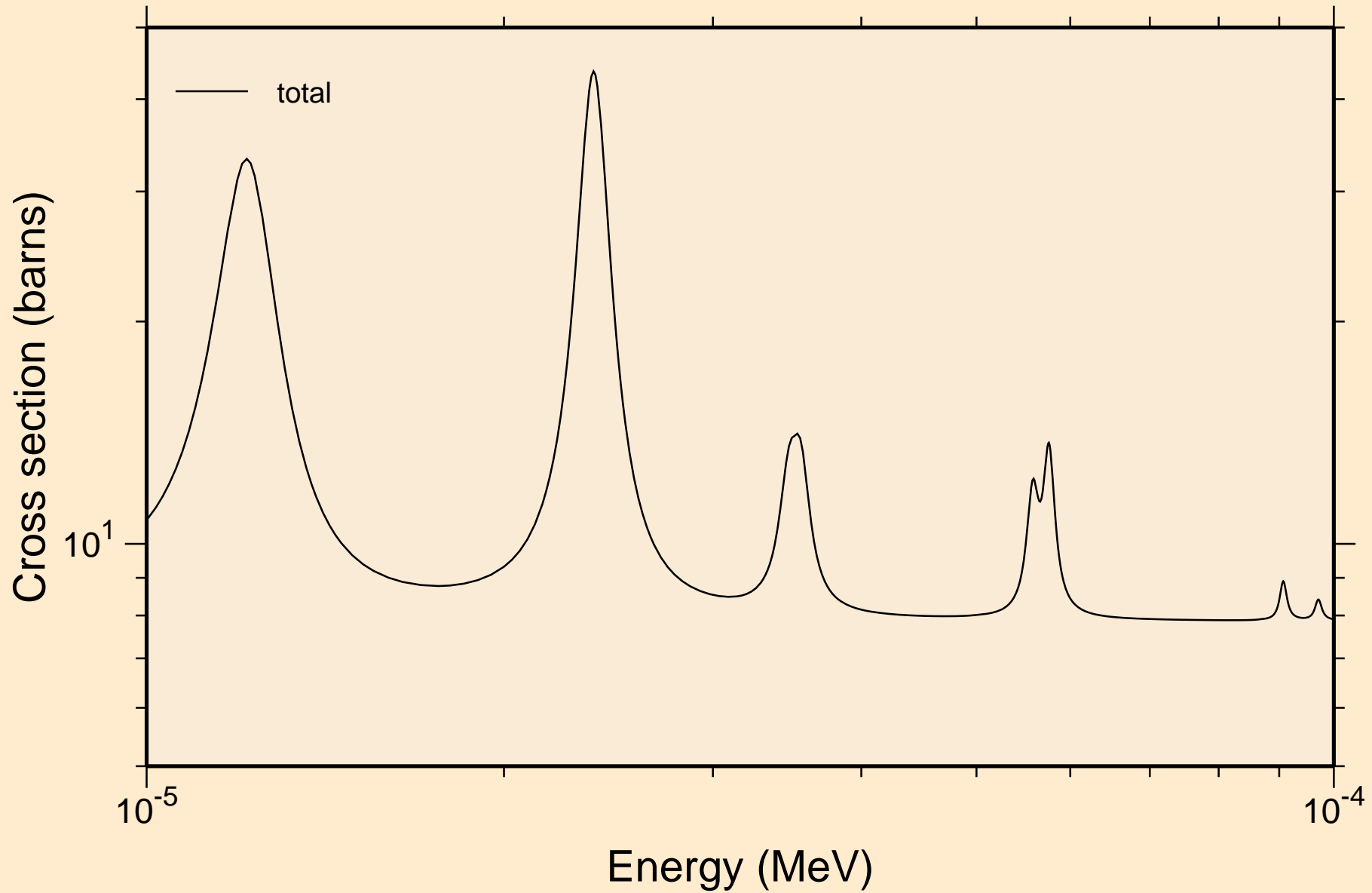


# BI203 NRG TENDL-2015, AKONING

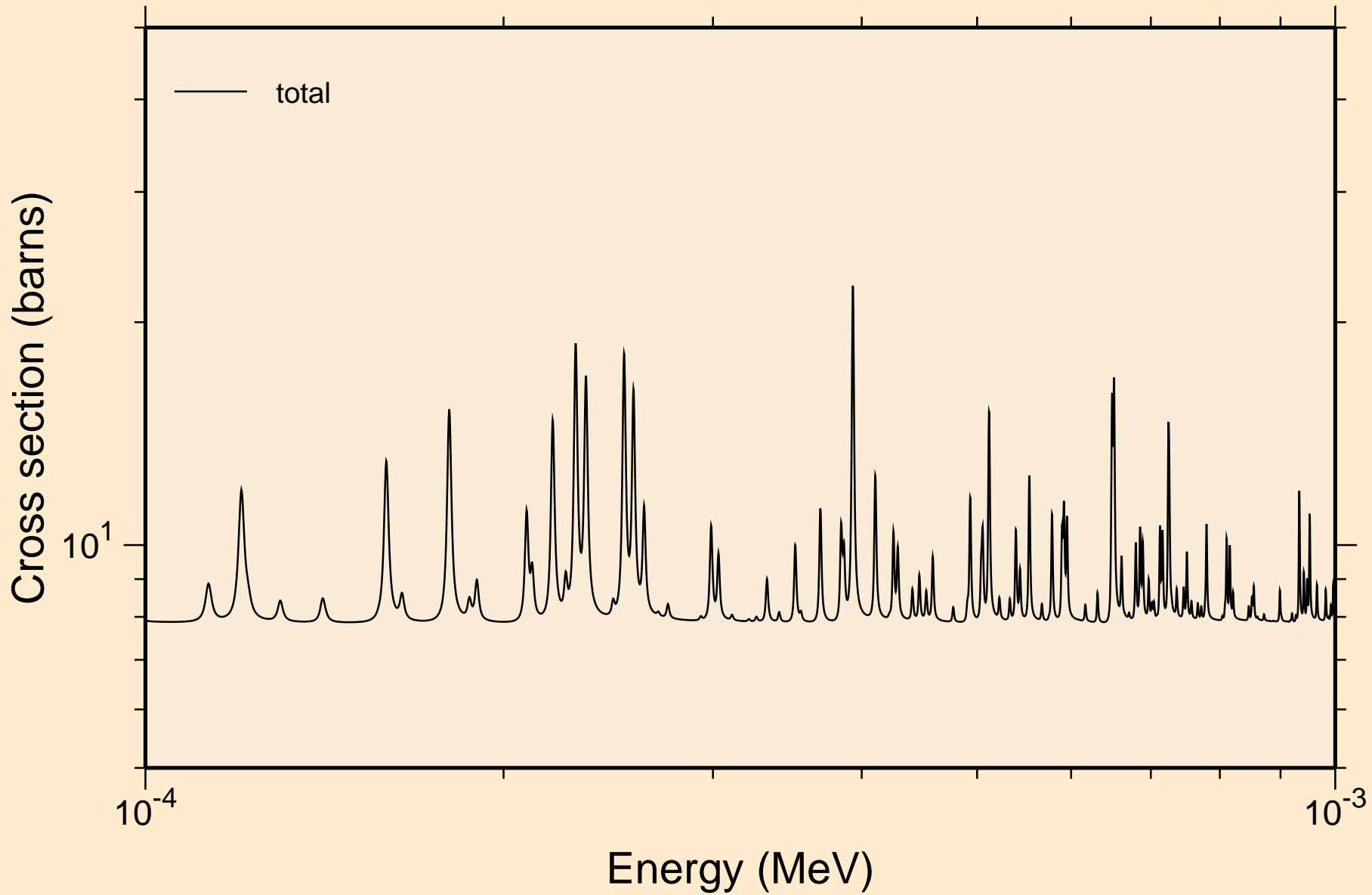
## Principal cross sections



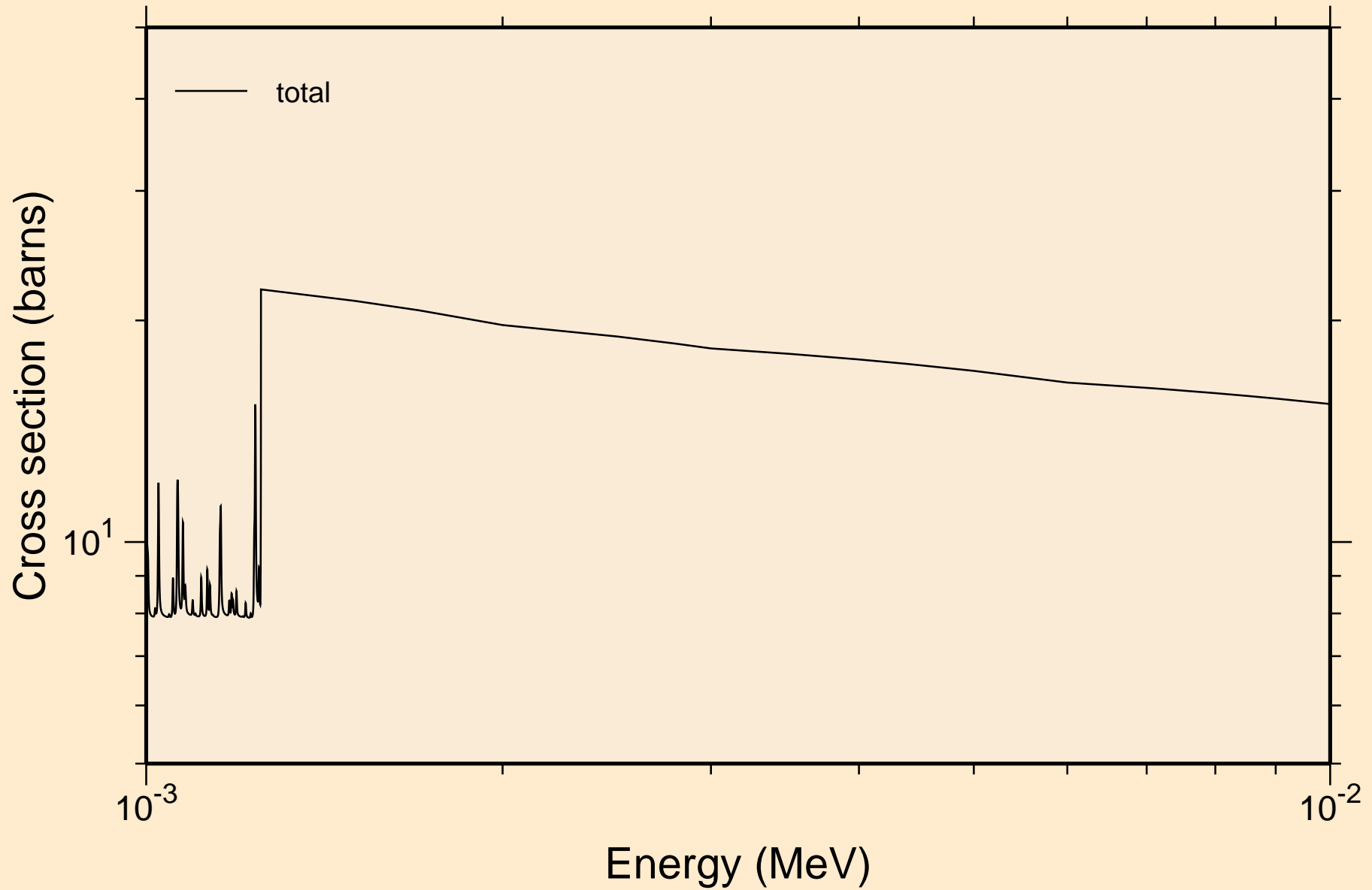
BI203 NRG TENDL-2015, AKONING  
resonance total cross section



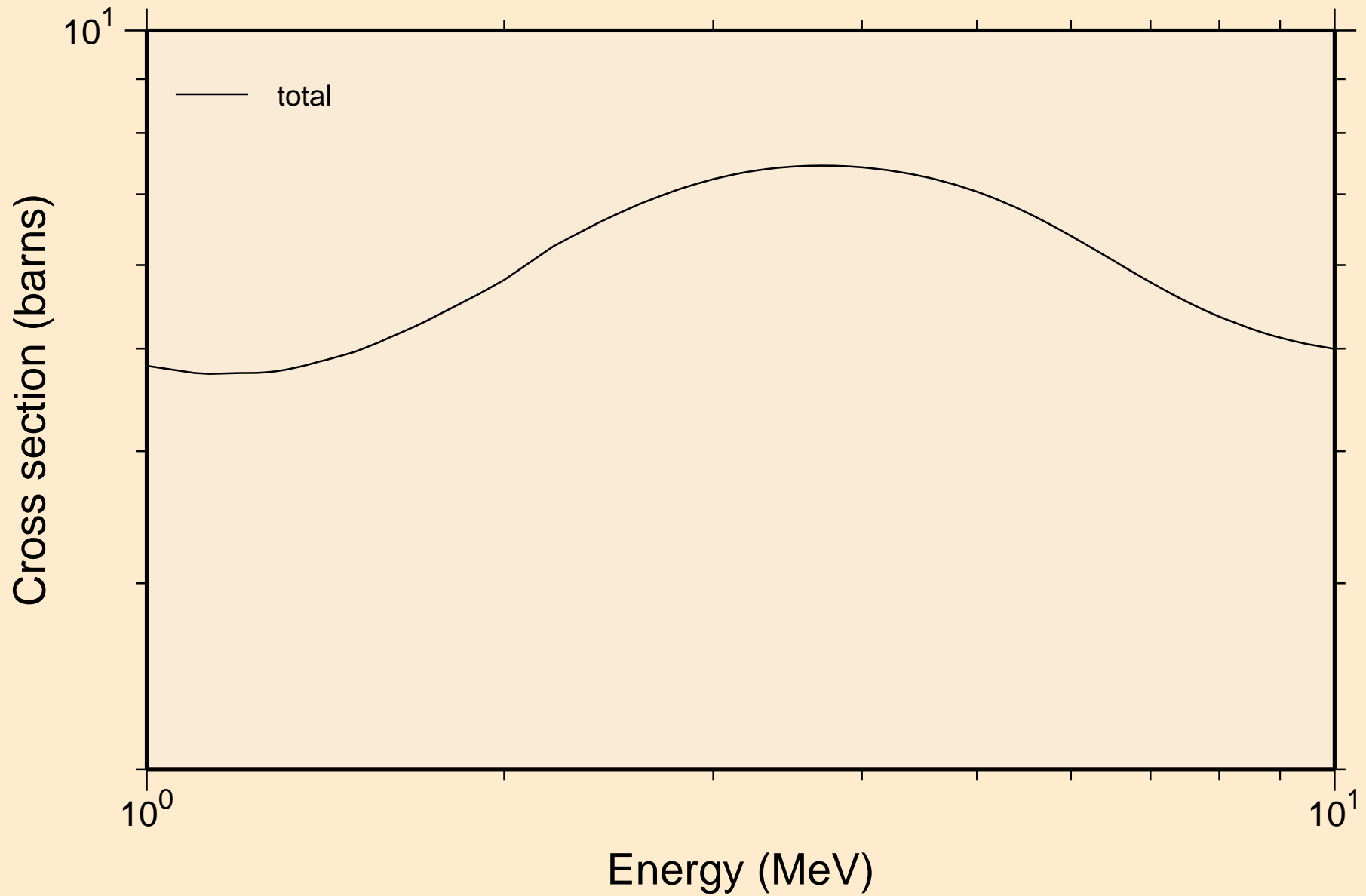
BI203 NRG TENDL-2015, AKONING  
resonance total cross section



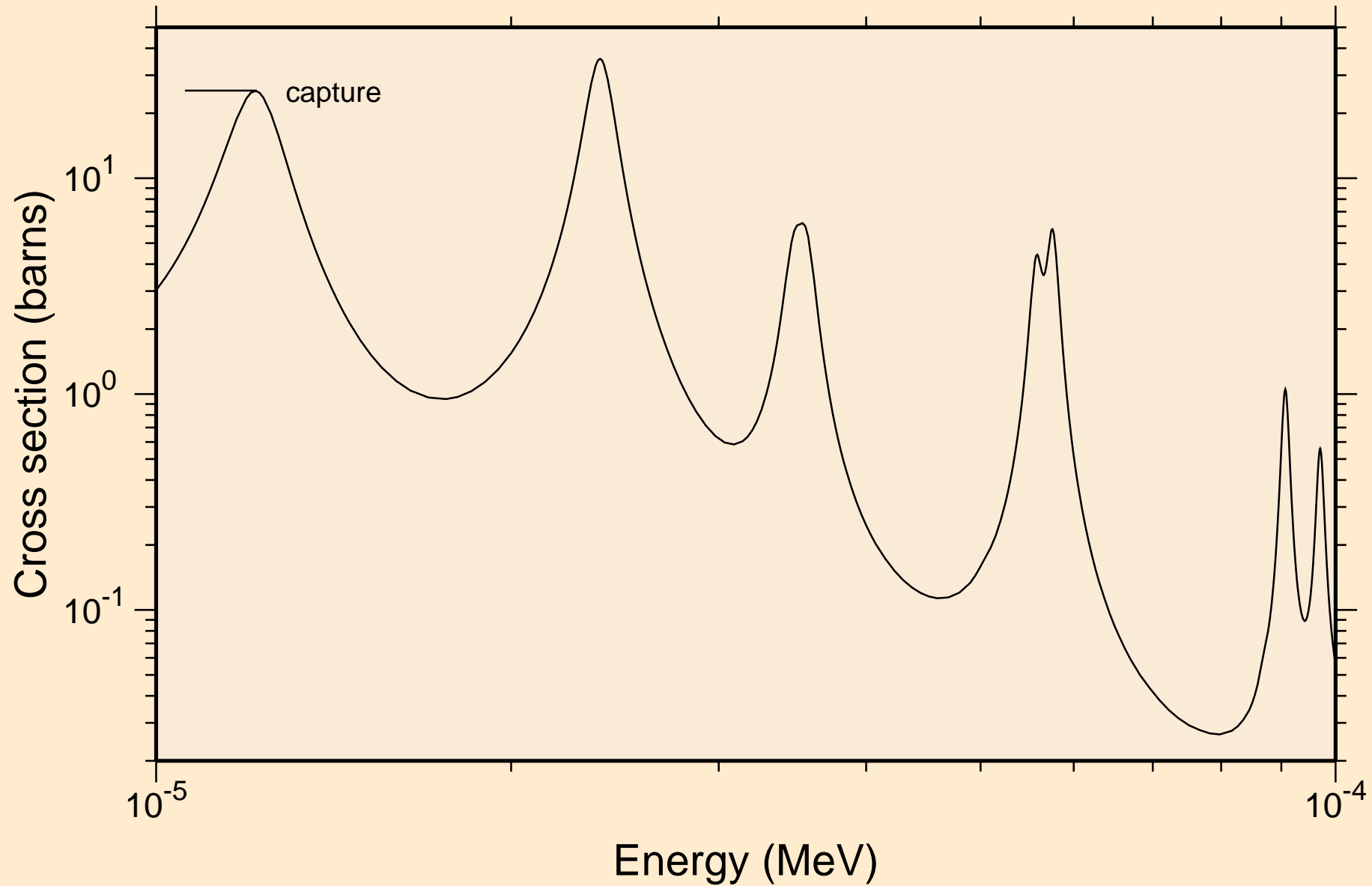
BI203 NRG TENDL-2015, AKONING  
resonance total cross section



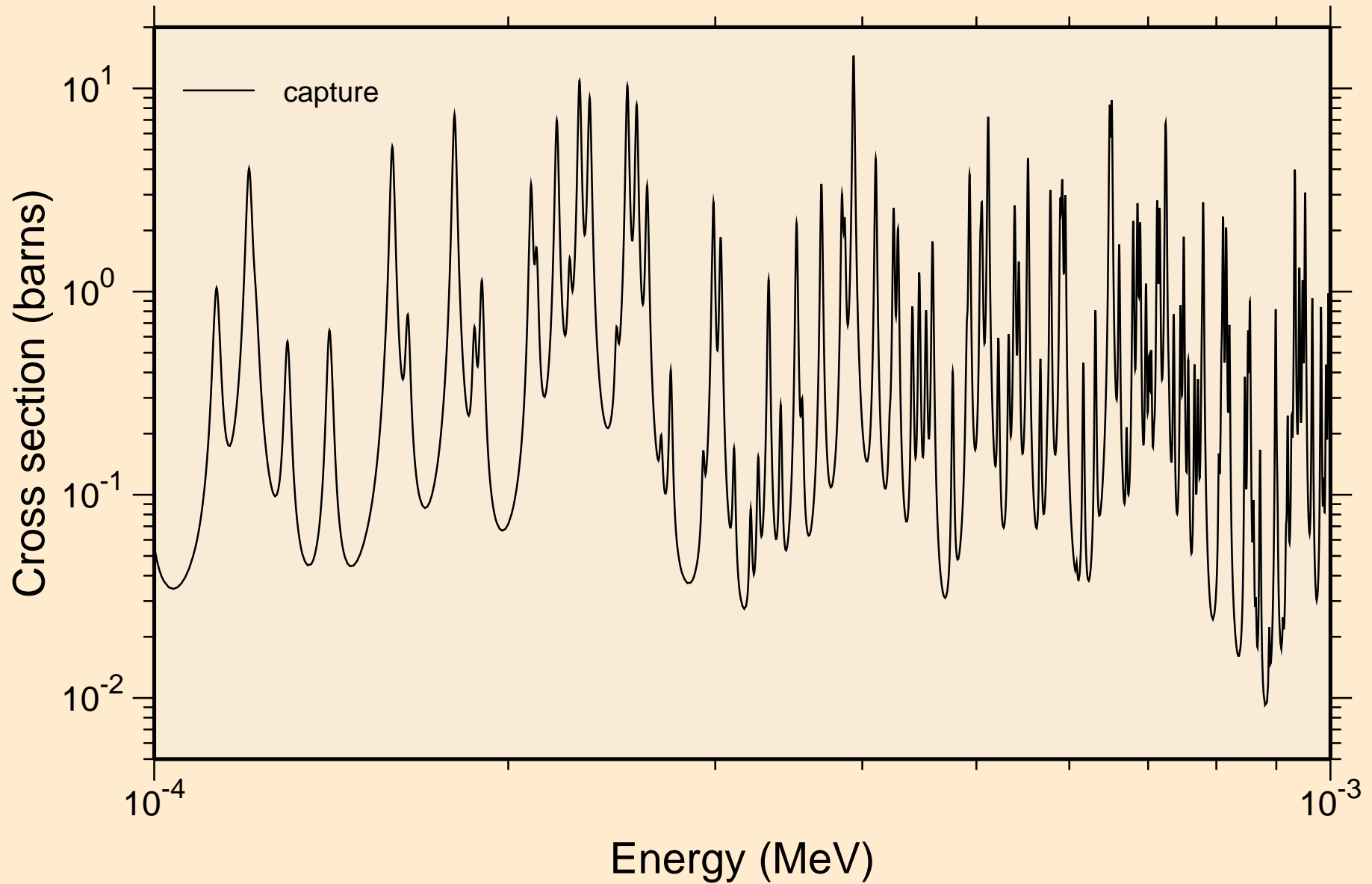
BI203 NRG TENDL-2015, AKONING  
resonance total cross section



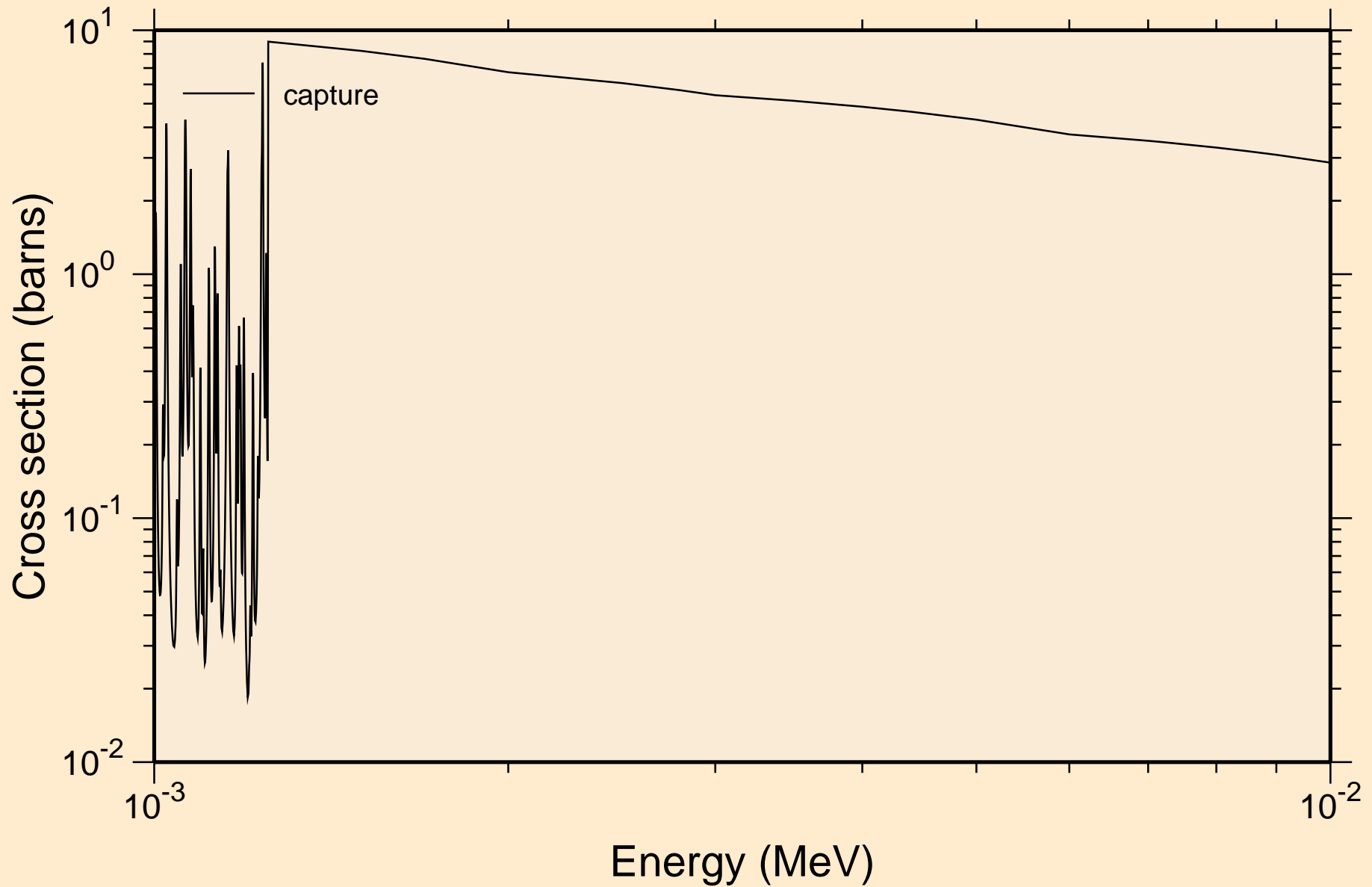
BI203 NRG TENDL-2015, AKONING  
resonance absorption cross sections



BI203 NRG TENDL-2015, AKONING  
resonance absorption cross sections

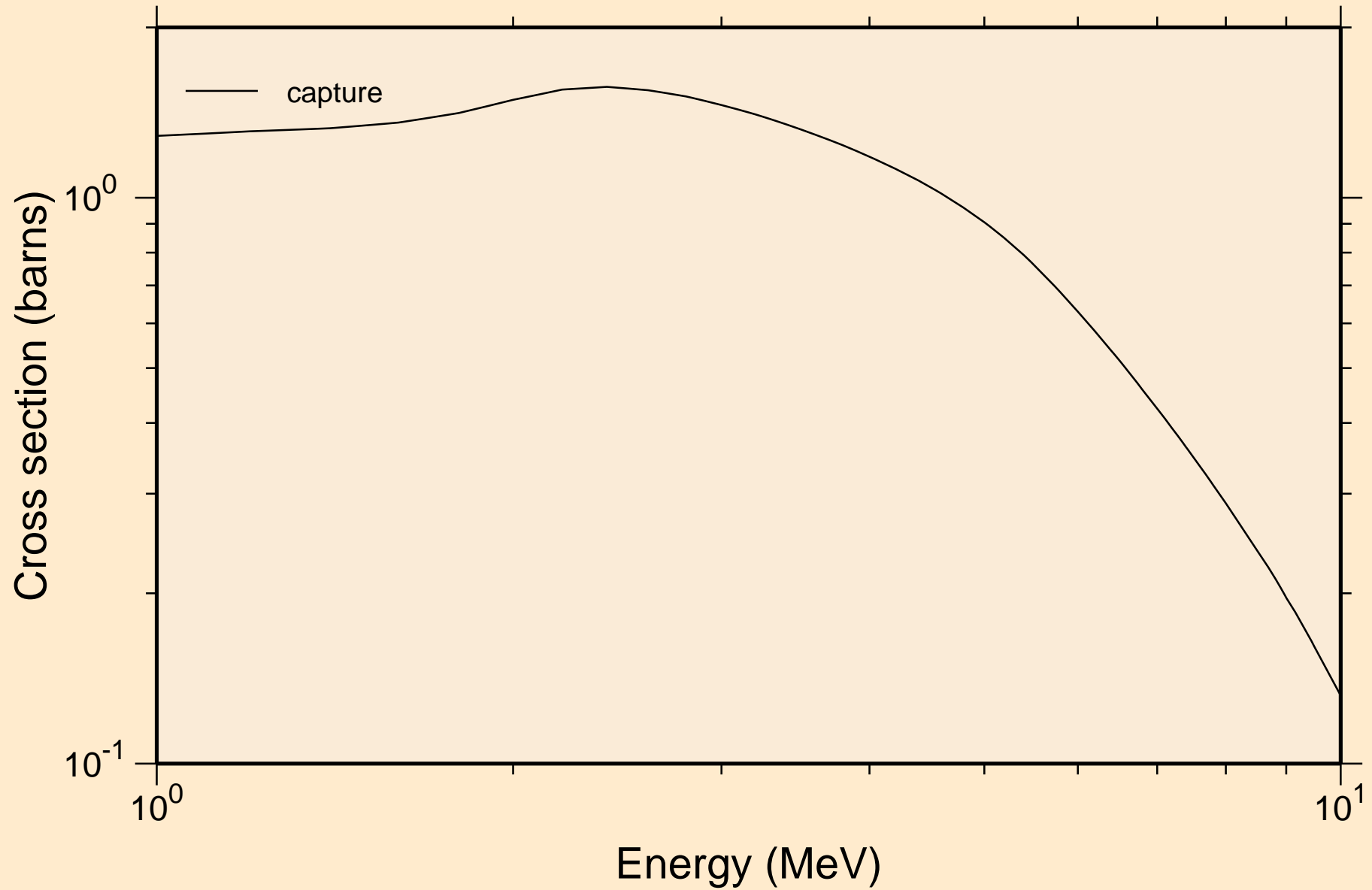


BI203 NRG TENDL-2015, AKONING  
resonance absorption cross sections



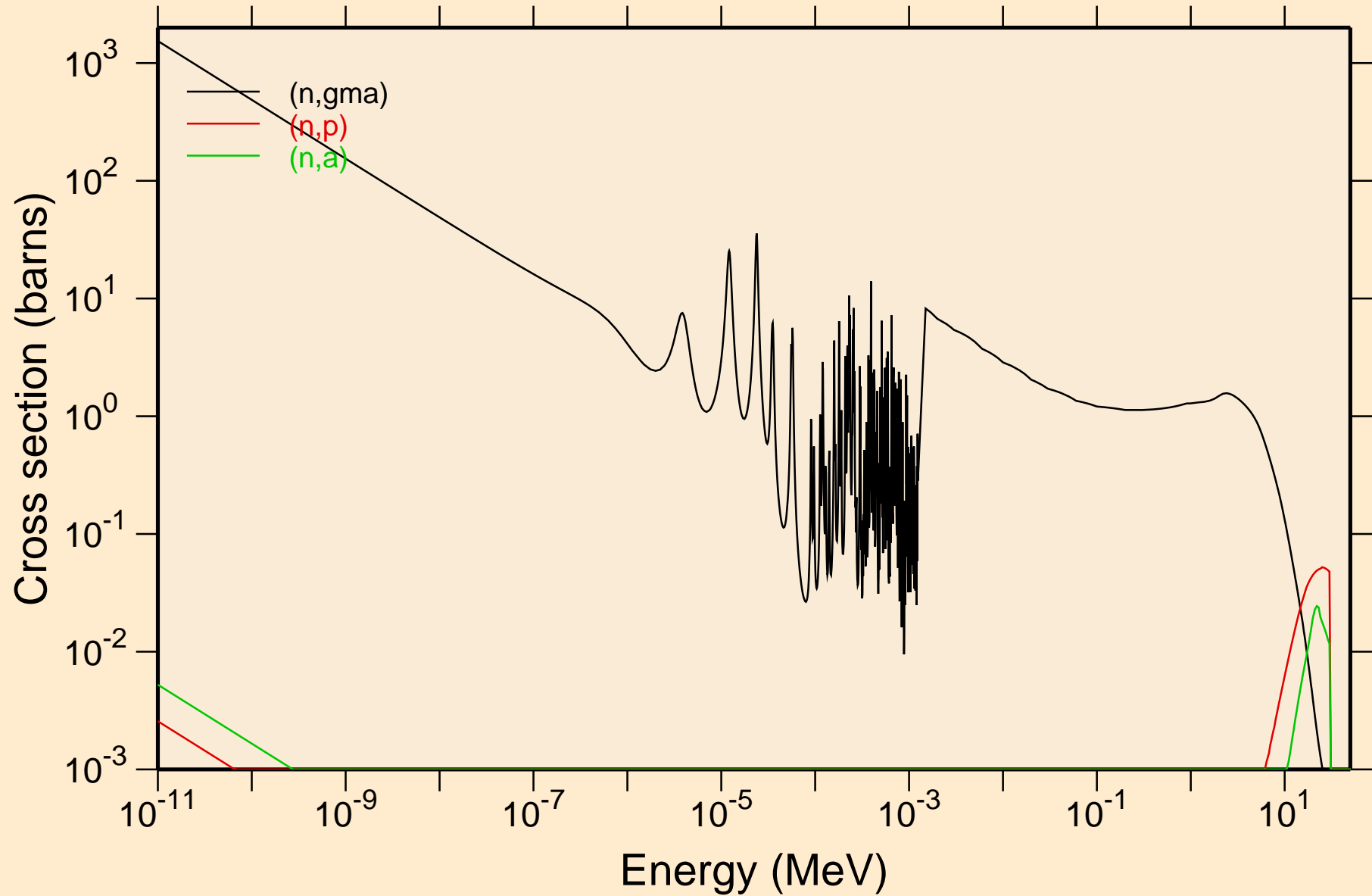


BI203 NRG TENDL-2015, AKONING  
resonance absorption cross sections



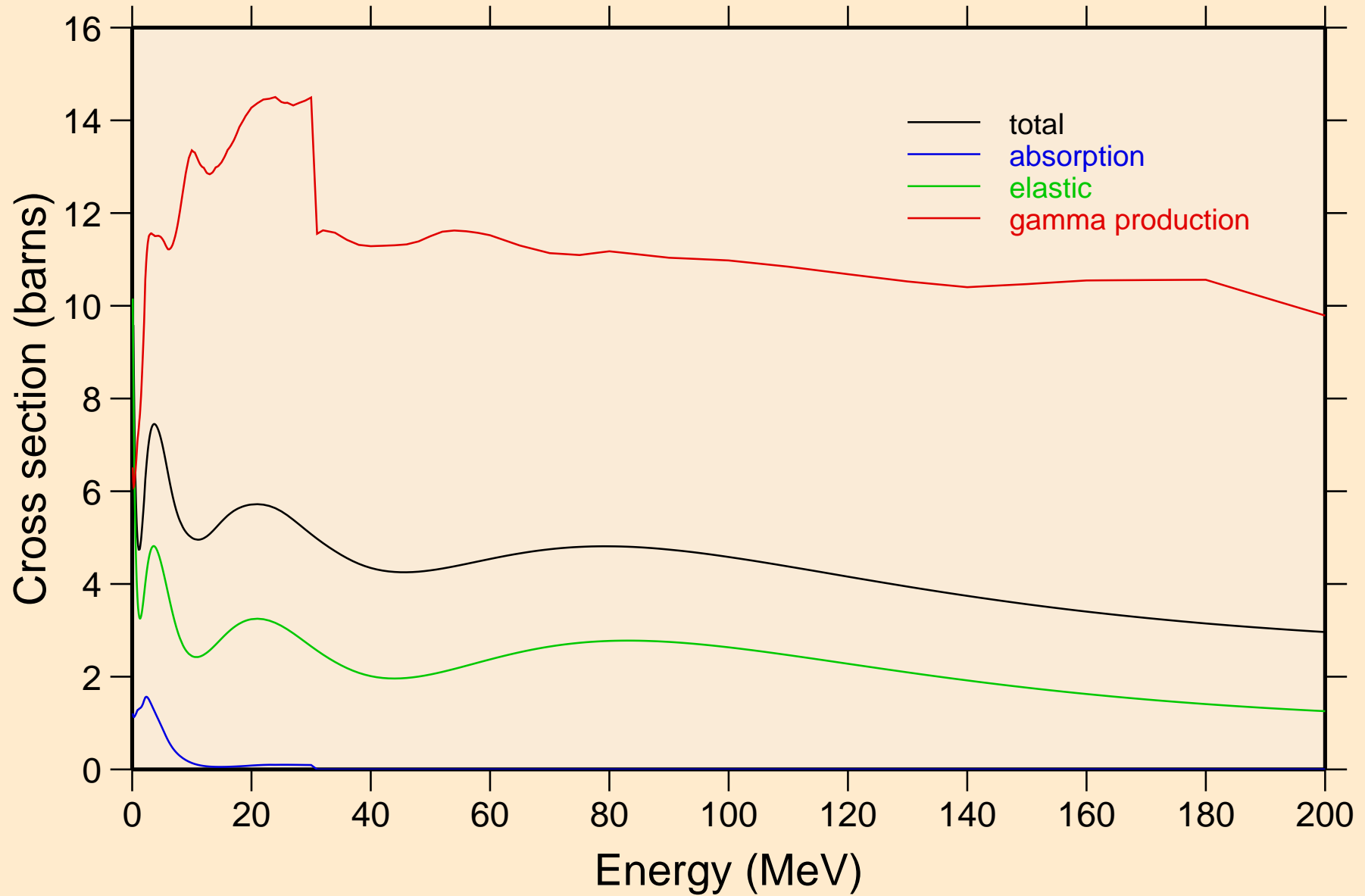
# BI203 NRG TENDL-2015, AKONING

## Non-threshold reactions



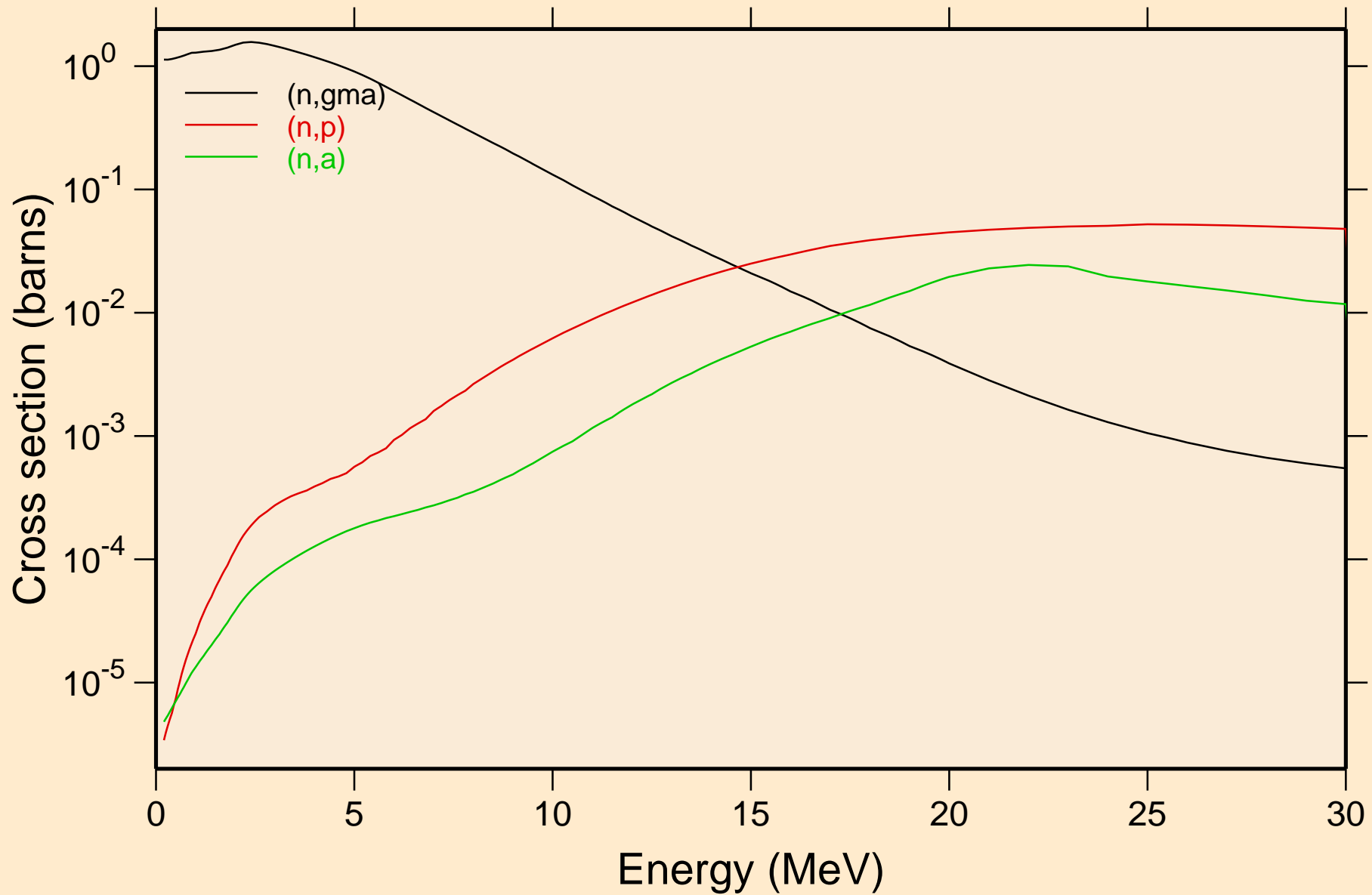
# BI203 NRG TENDL-2015, AKONING

## Principal cross sections



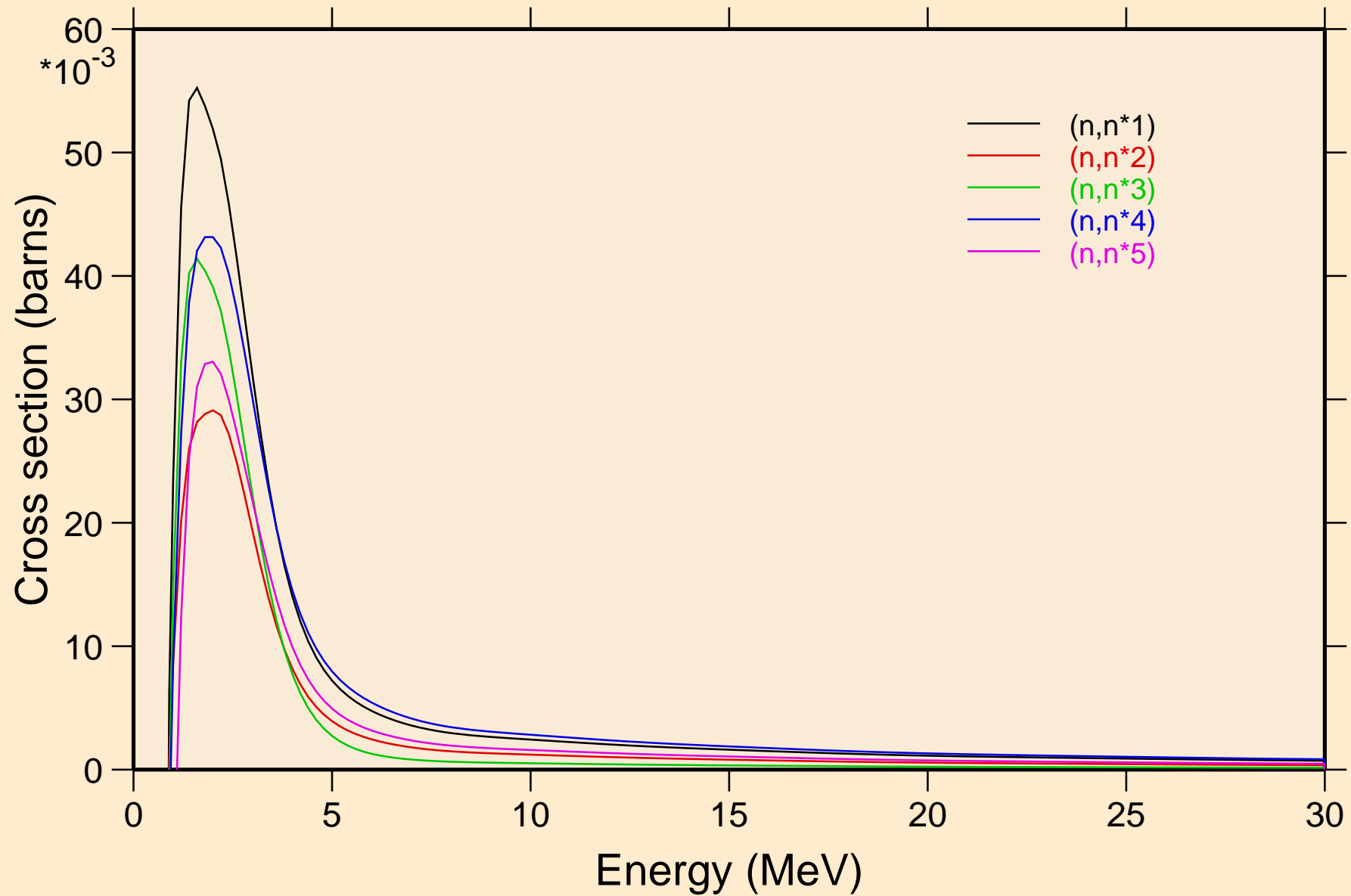
# BI203 NRG TENDL-2015, AKONING

## Non-threshold reactions



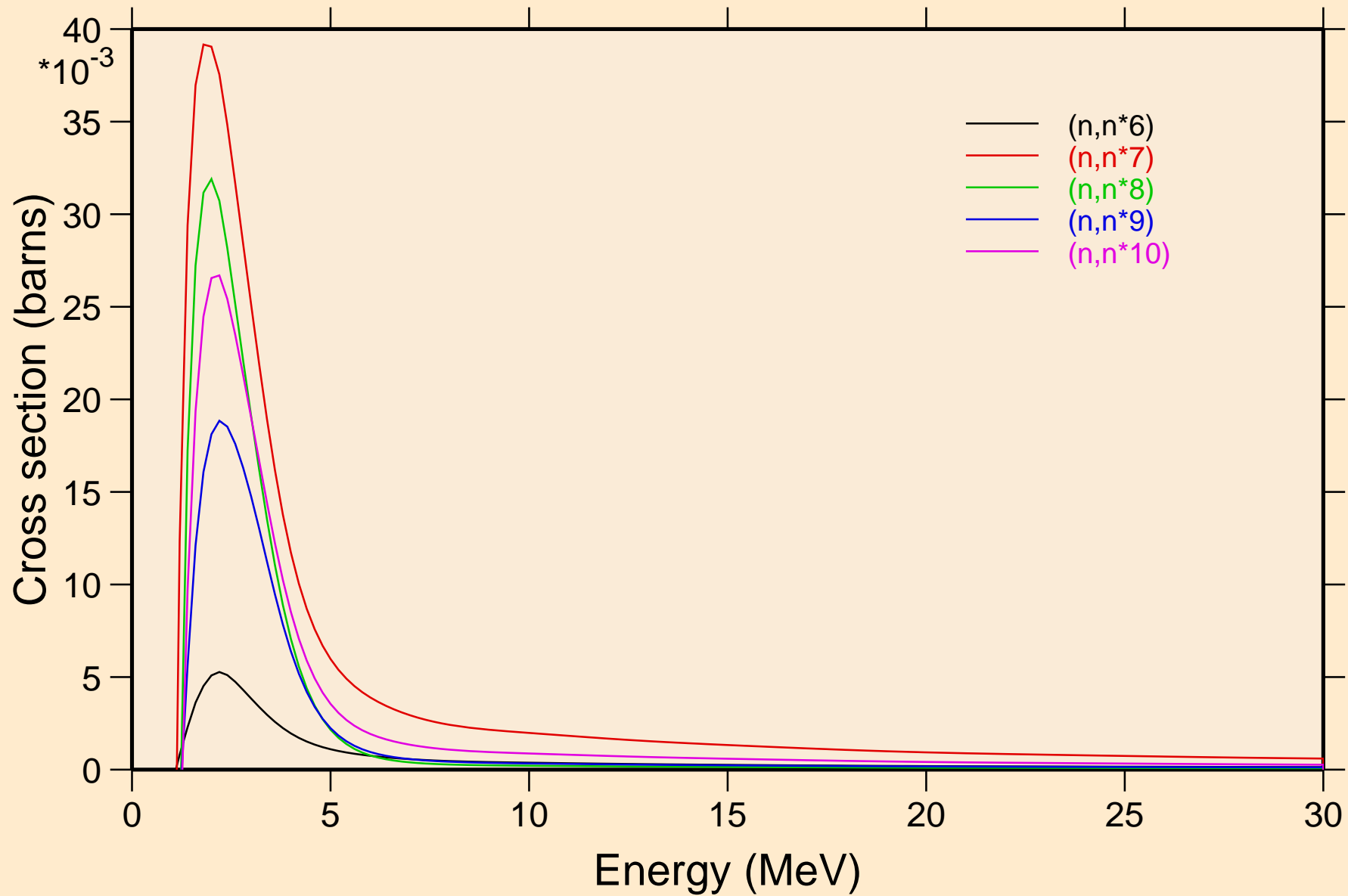
# BI203 NRG TENDL-2015, AKONING

## Inelastic levels



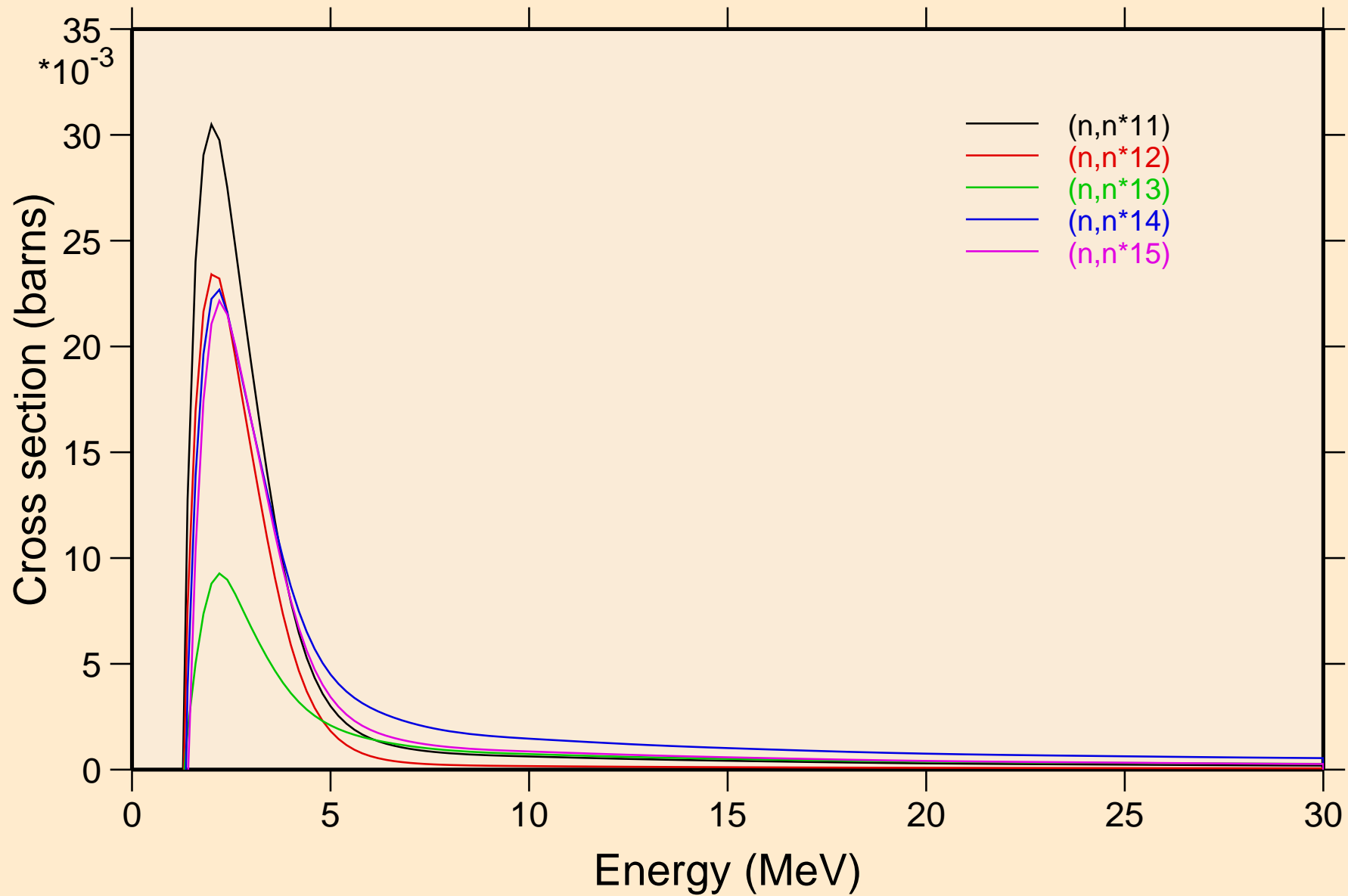
# BI203 NRG TENDL-2015, AKONING

## Inelastic levels



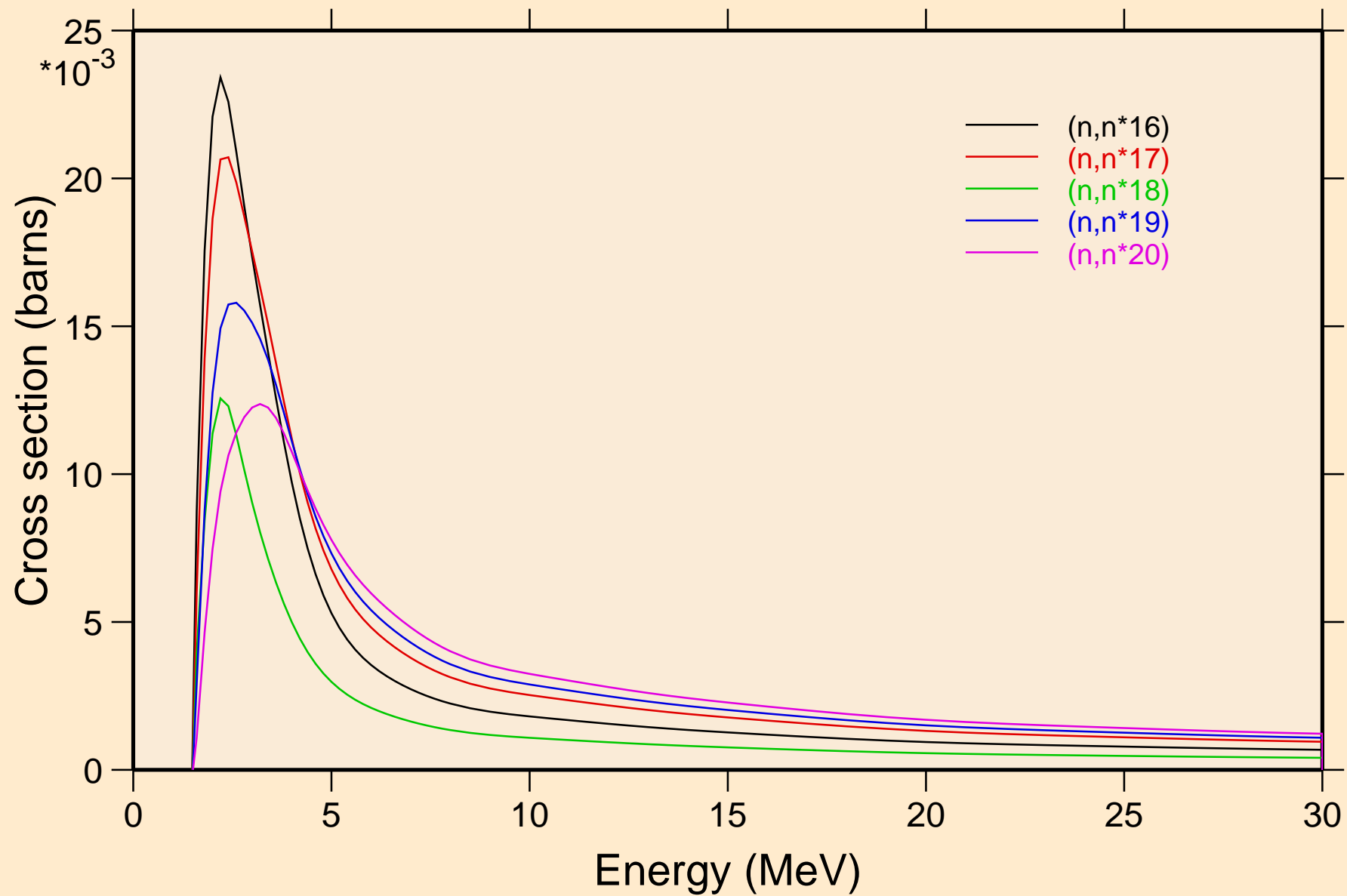
# BI203 NRG TENDL-2015, AKONING

## Inelastic levels



# BI203 NRG TENDL-2015, AKONING

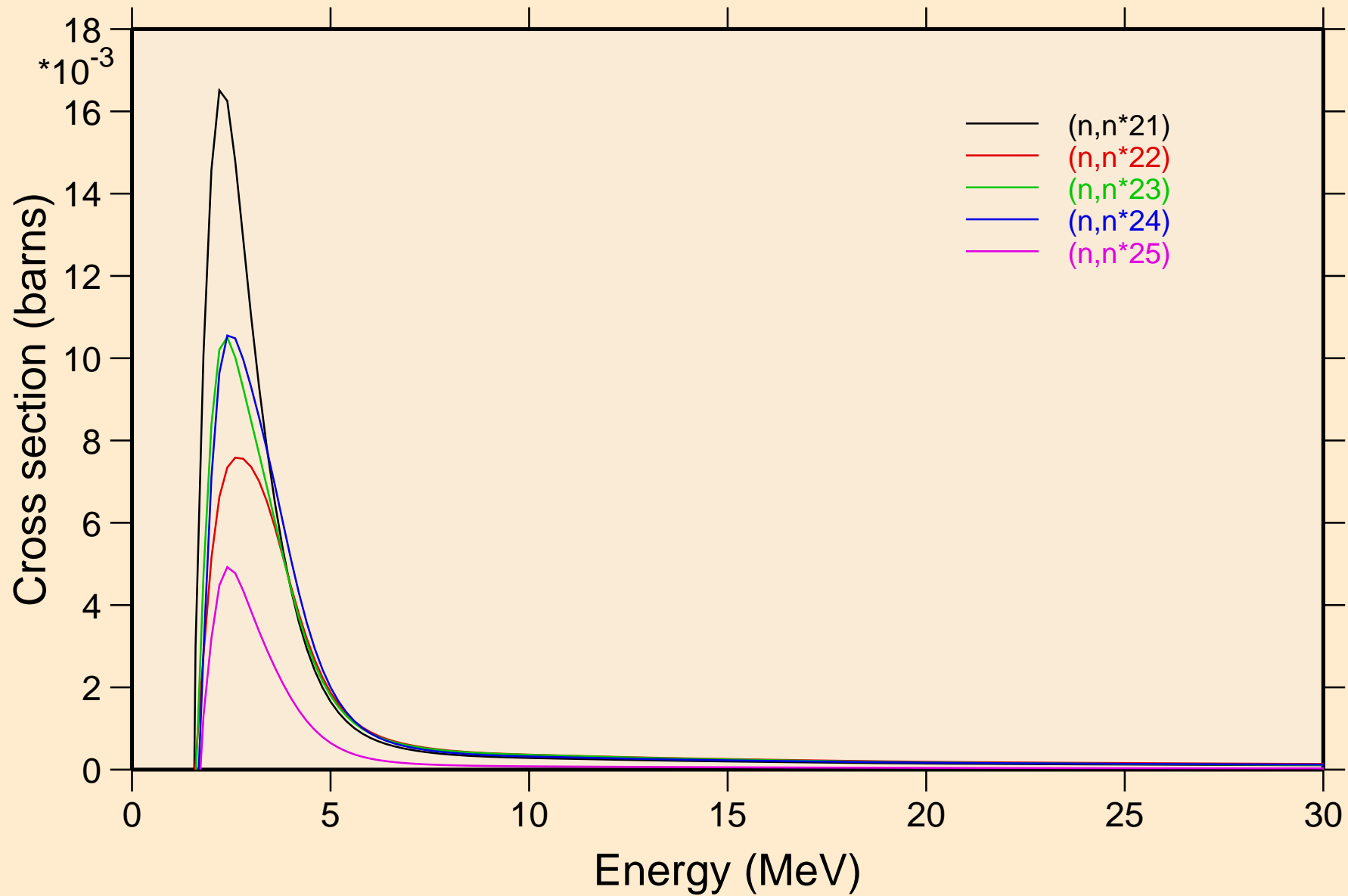
## Inelastic levels



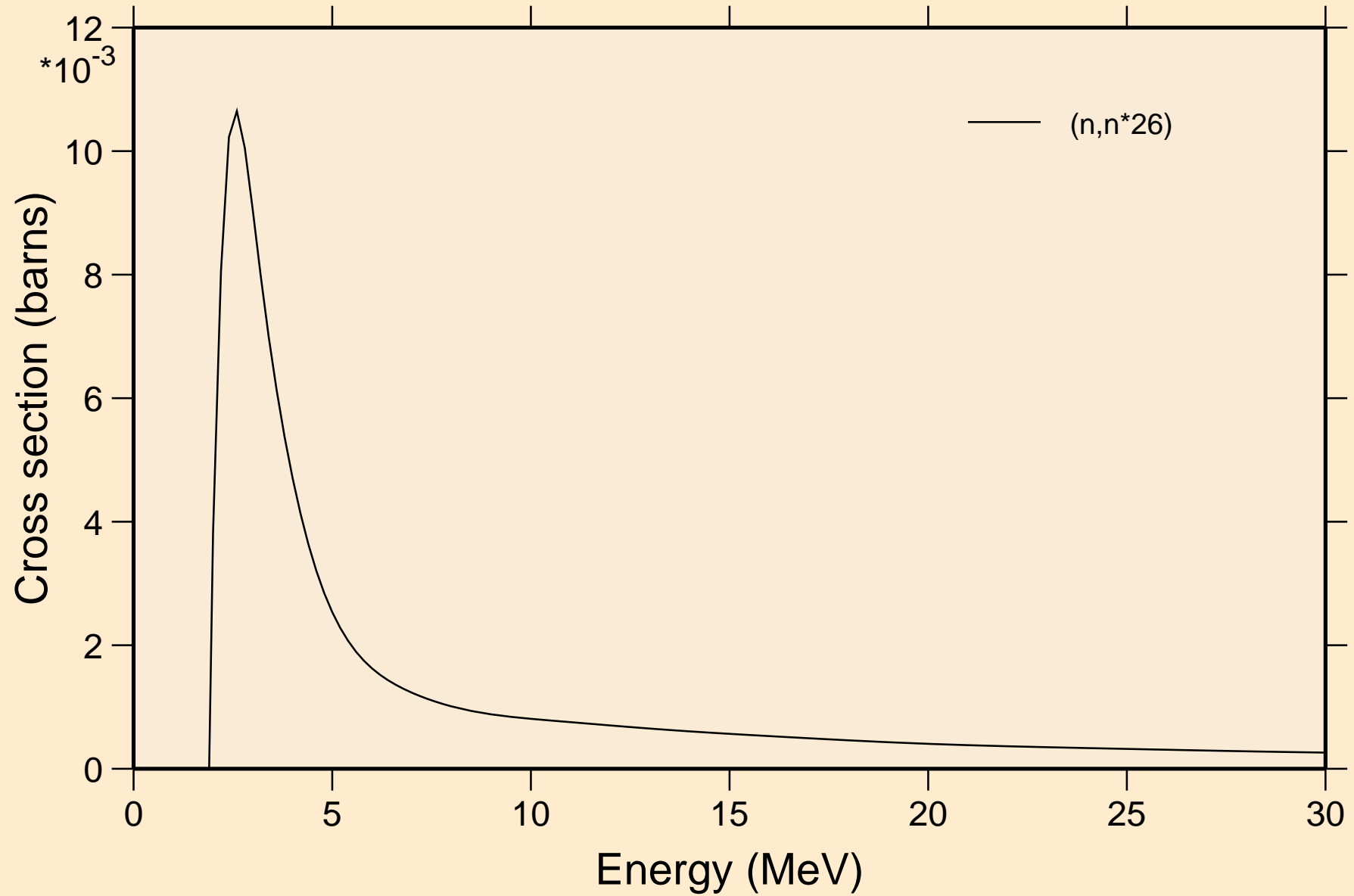


# BI203 NRG TENDL-2015, AKONING

## Inelastic levels

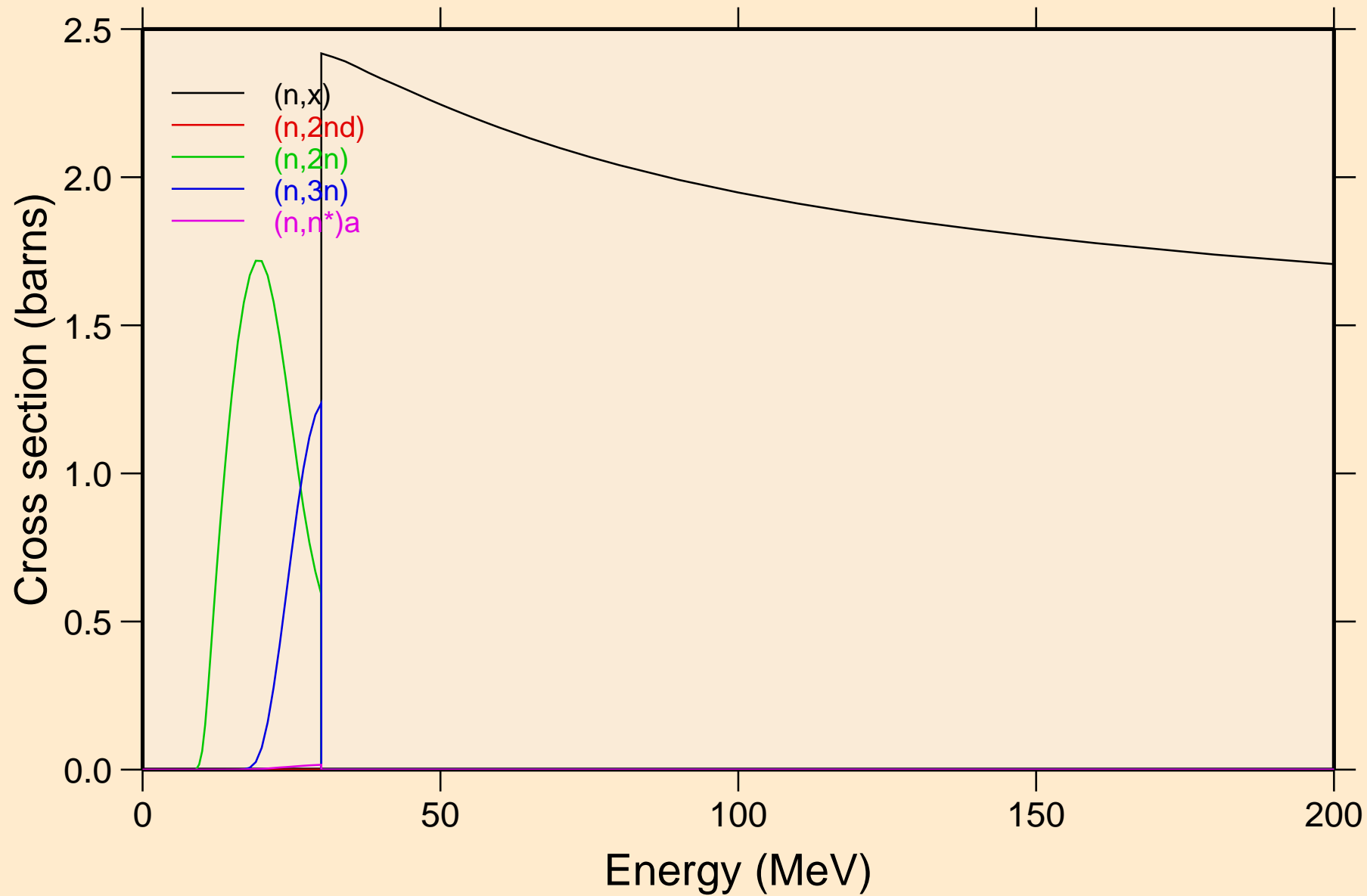


BI203 NRG TENDL-2015, AKONING  
Inelastic levels



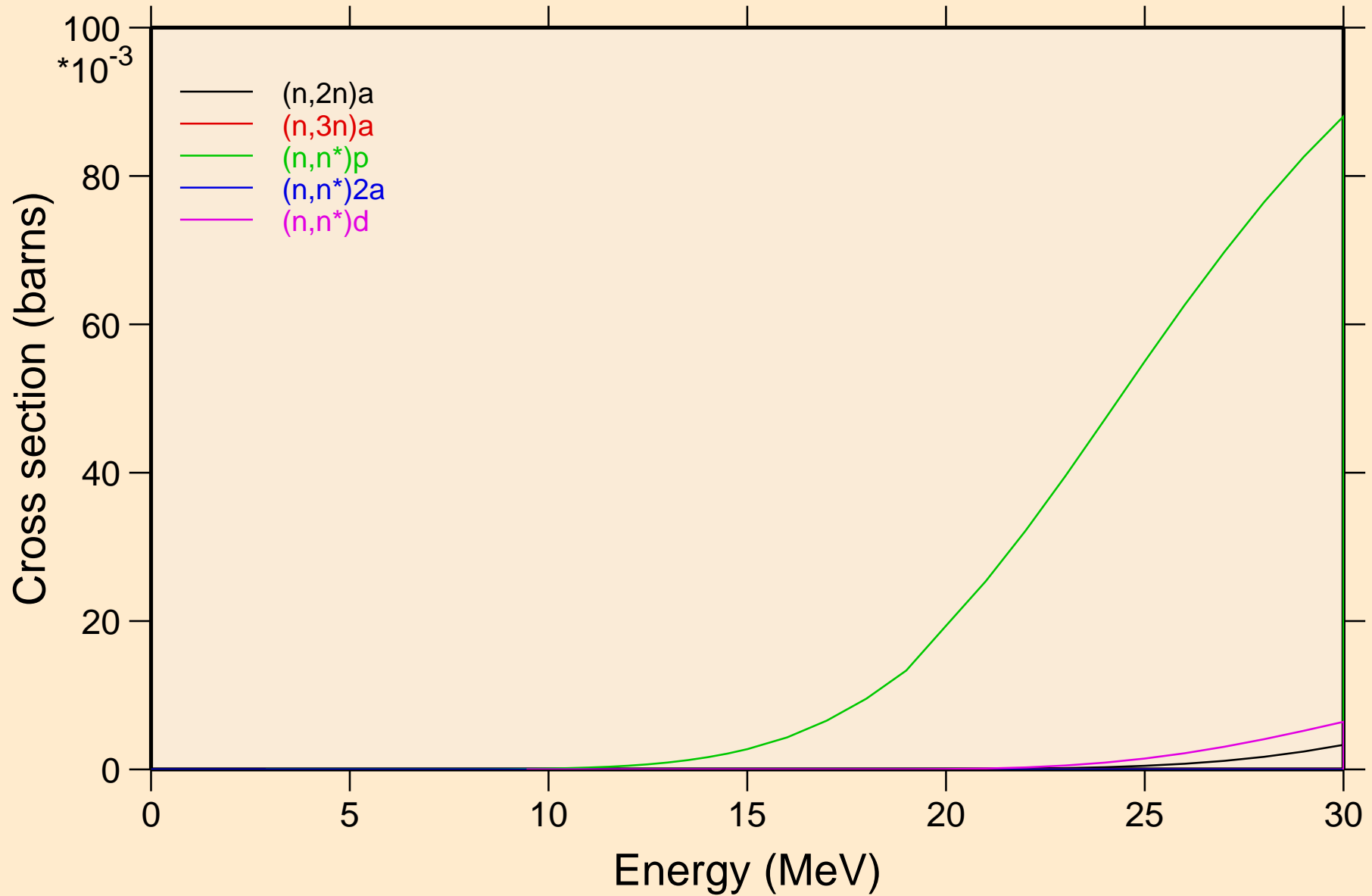
# BI203 NRG TENDL-2015, AKONING

## Threshold reactions



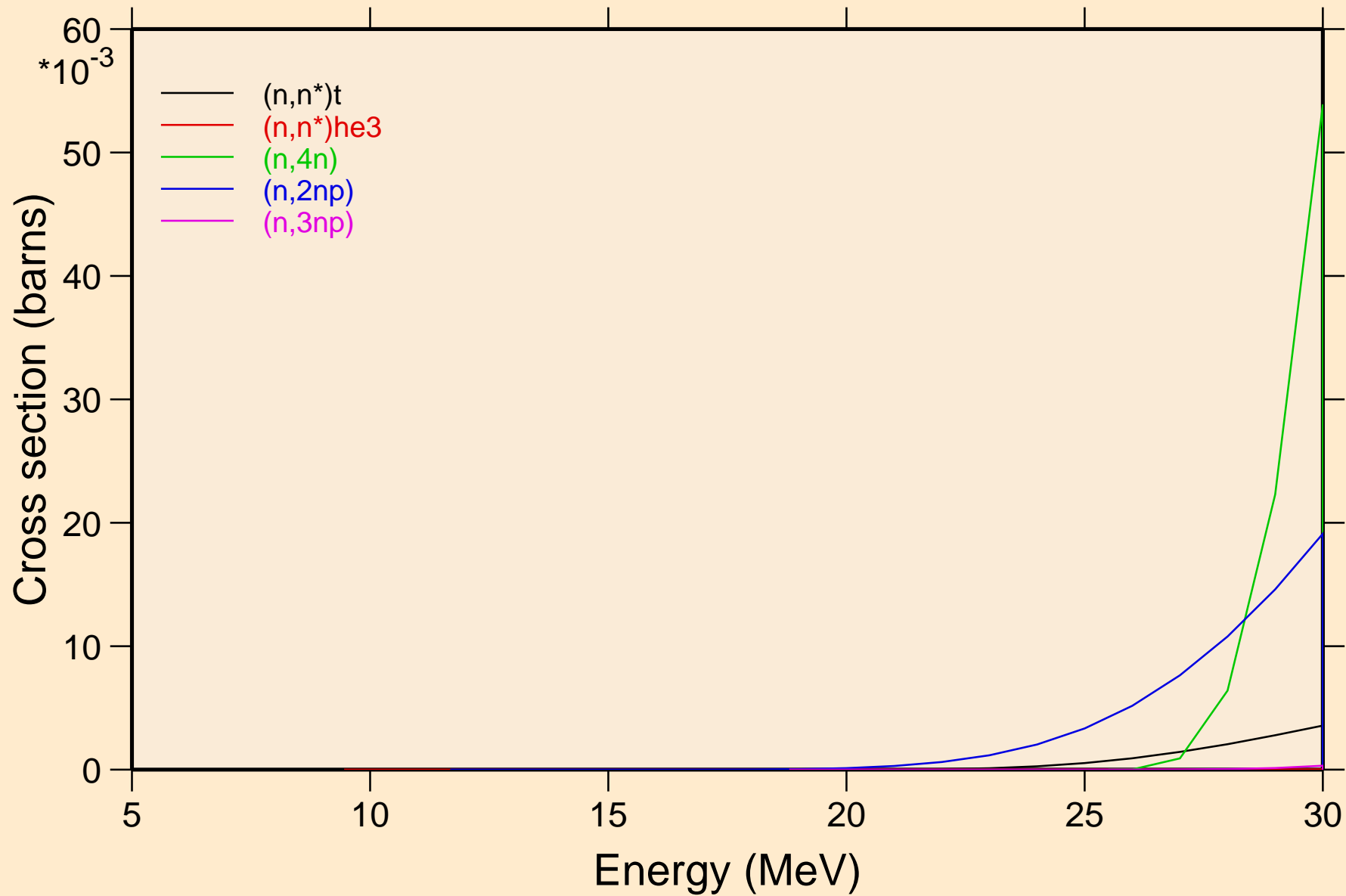
# BI203 NRG TENDL-2015, AKONING

## Threshold reactions



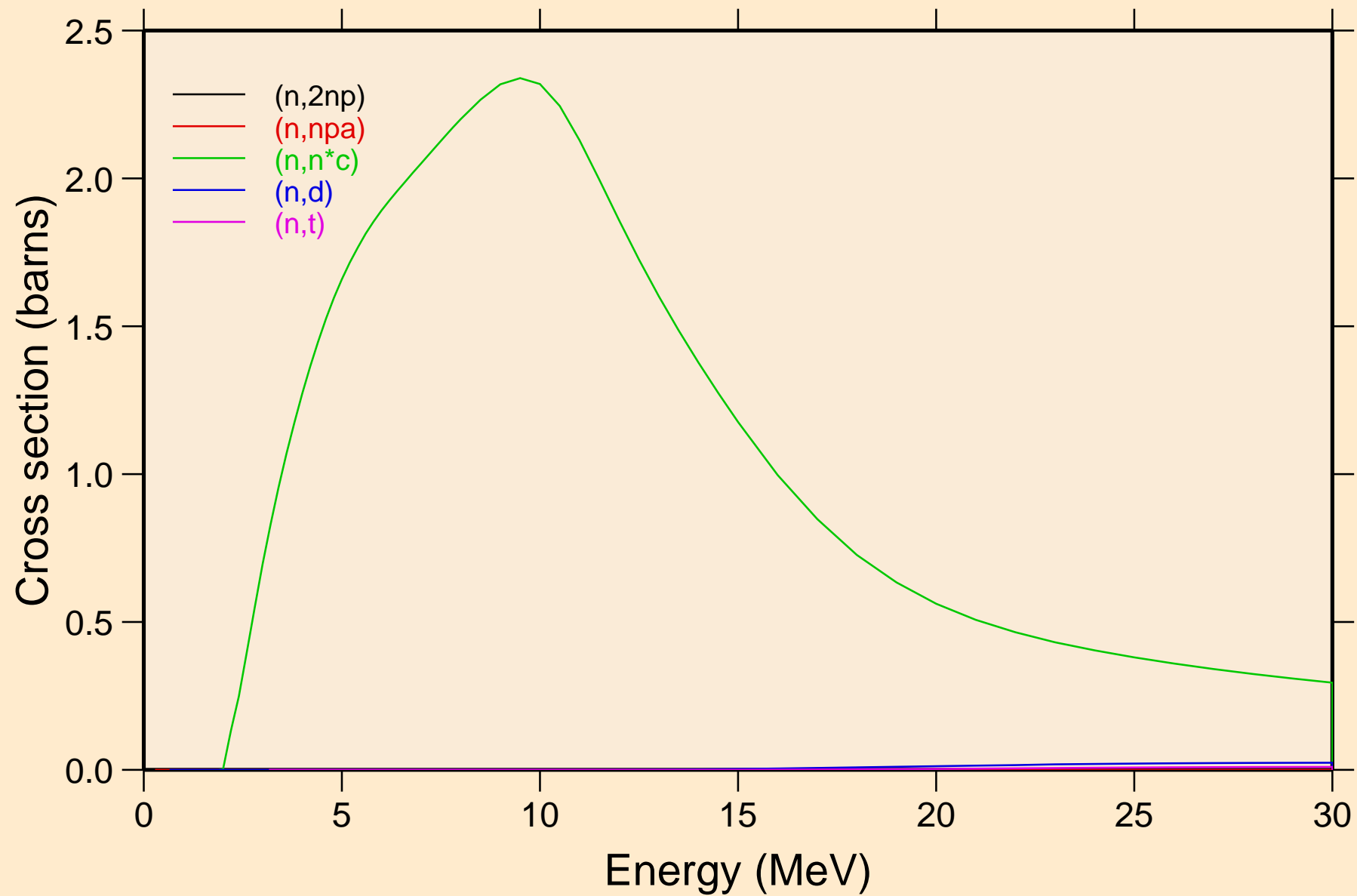
# BI203 NRG TENDL-2015, AKONING

## Threshold reactions



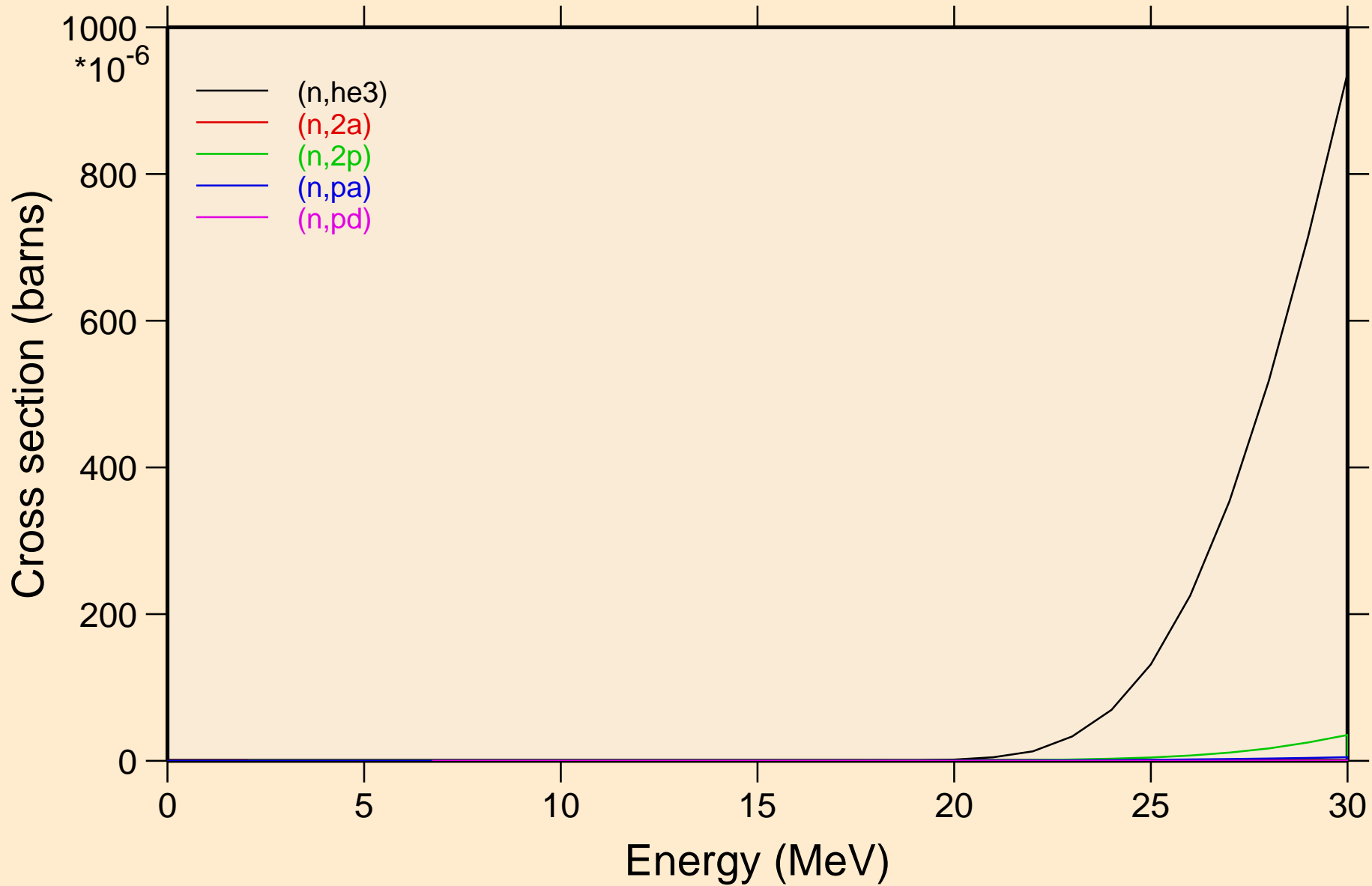
# BI203 NRG TENDL-2015, AKONING

## Threshold reactions



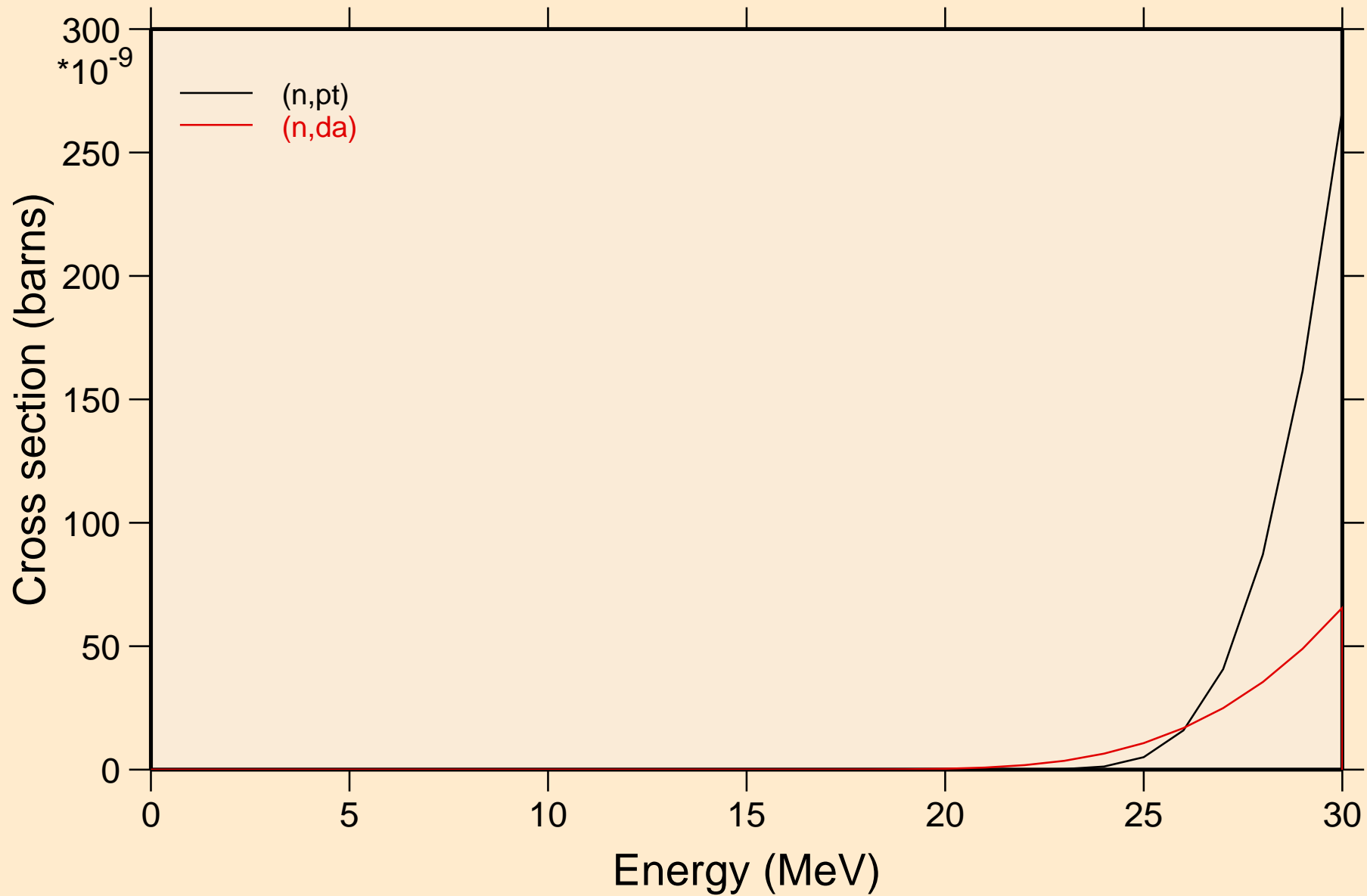
# BI203 NRG TENDL-2015, AKONING

## Threshold reactions



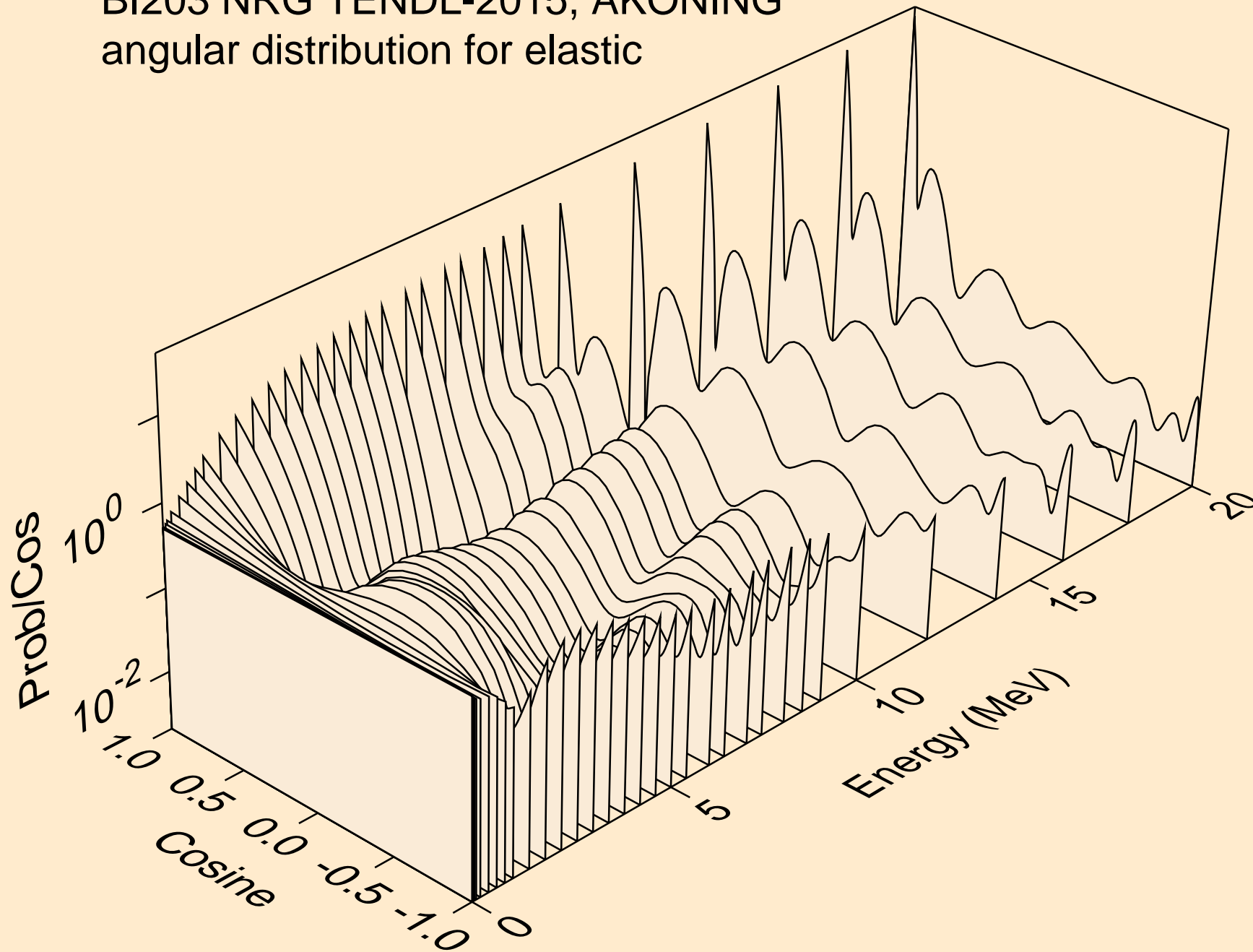
# BI203 NRG TENDL-2015, AKONING

## Threshold reactions

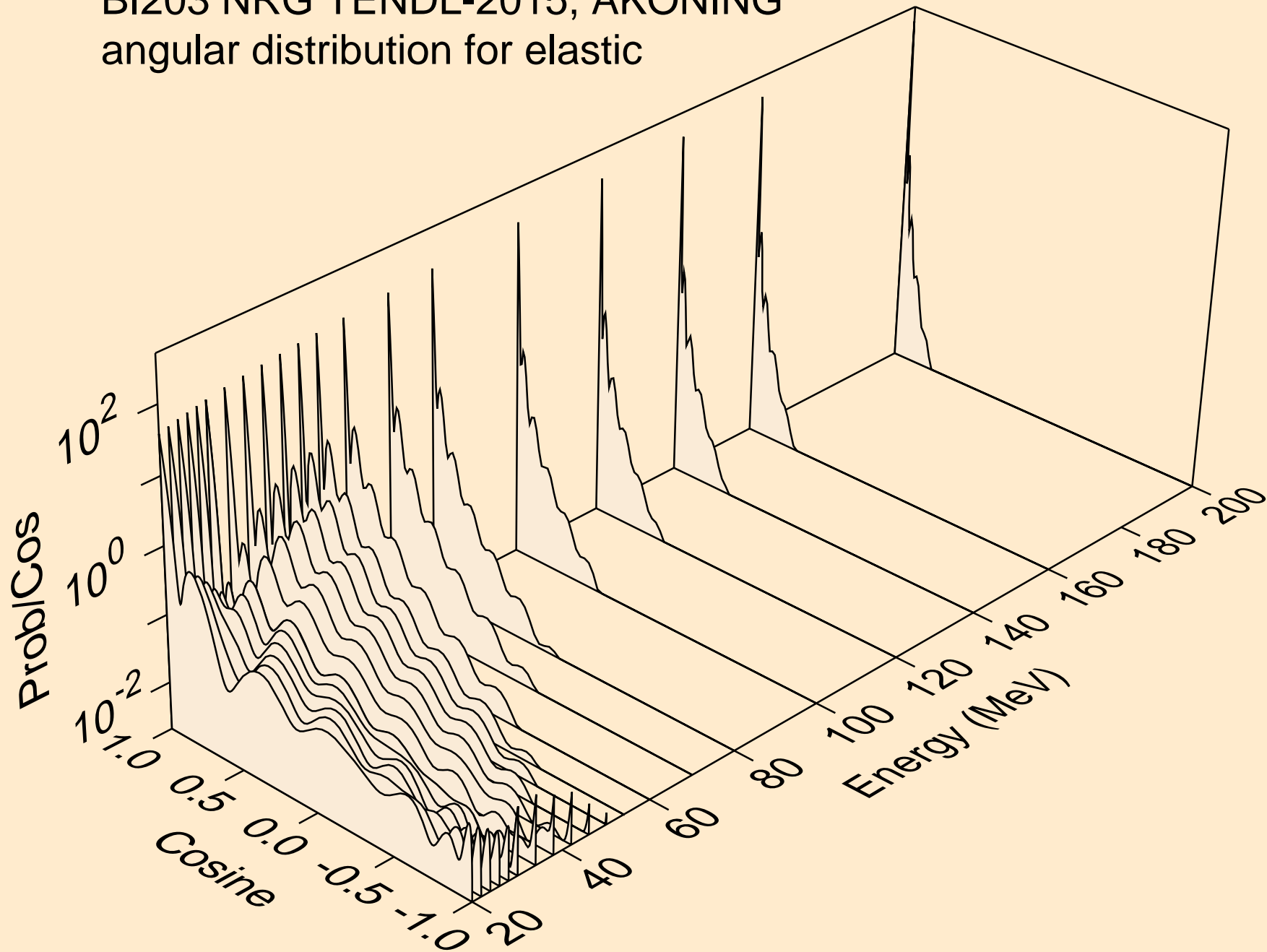




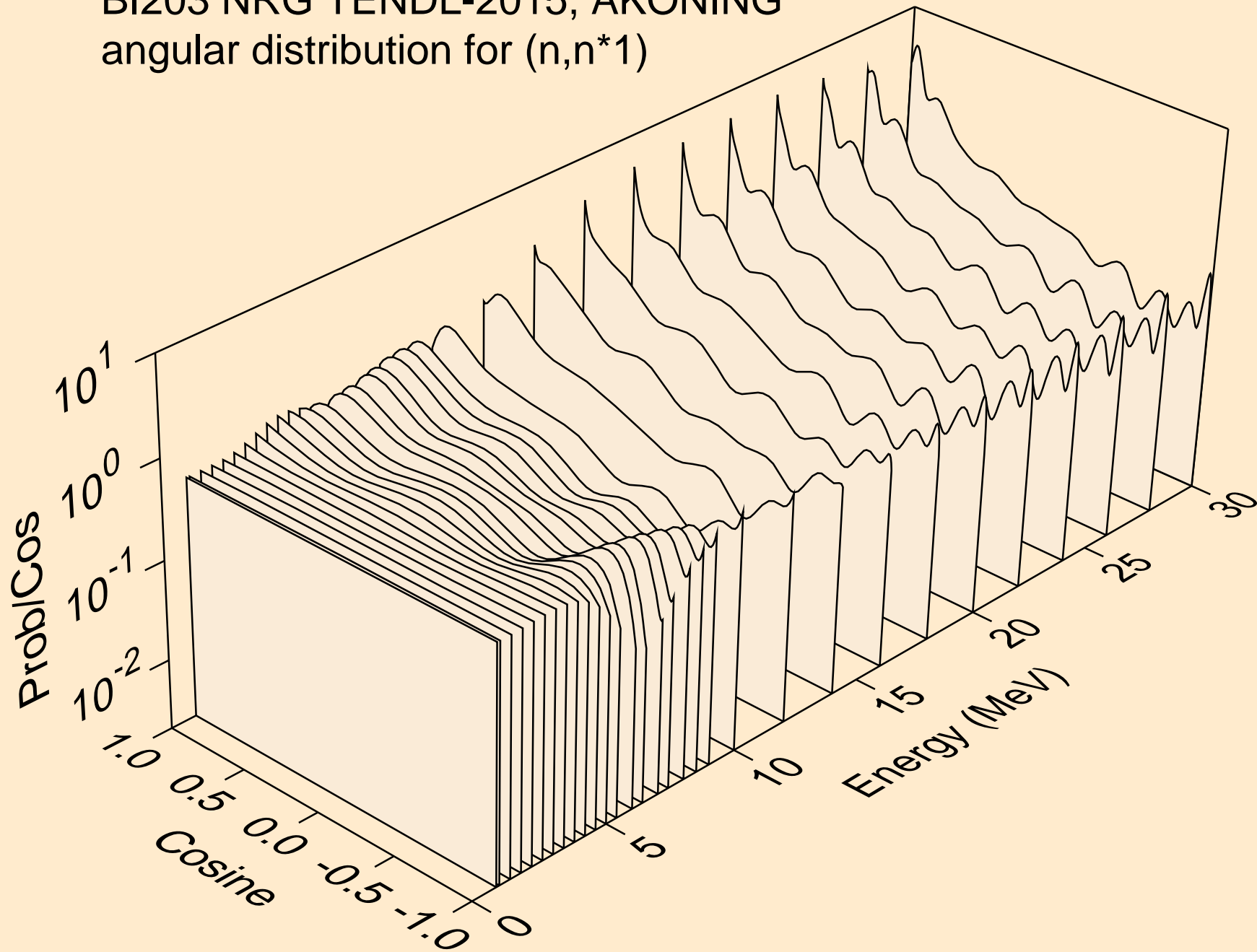
BI203 NRG TENDL-2015, AKONING  
angular distribution for elastic



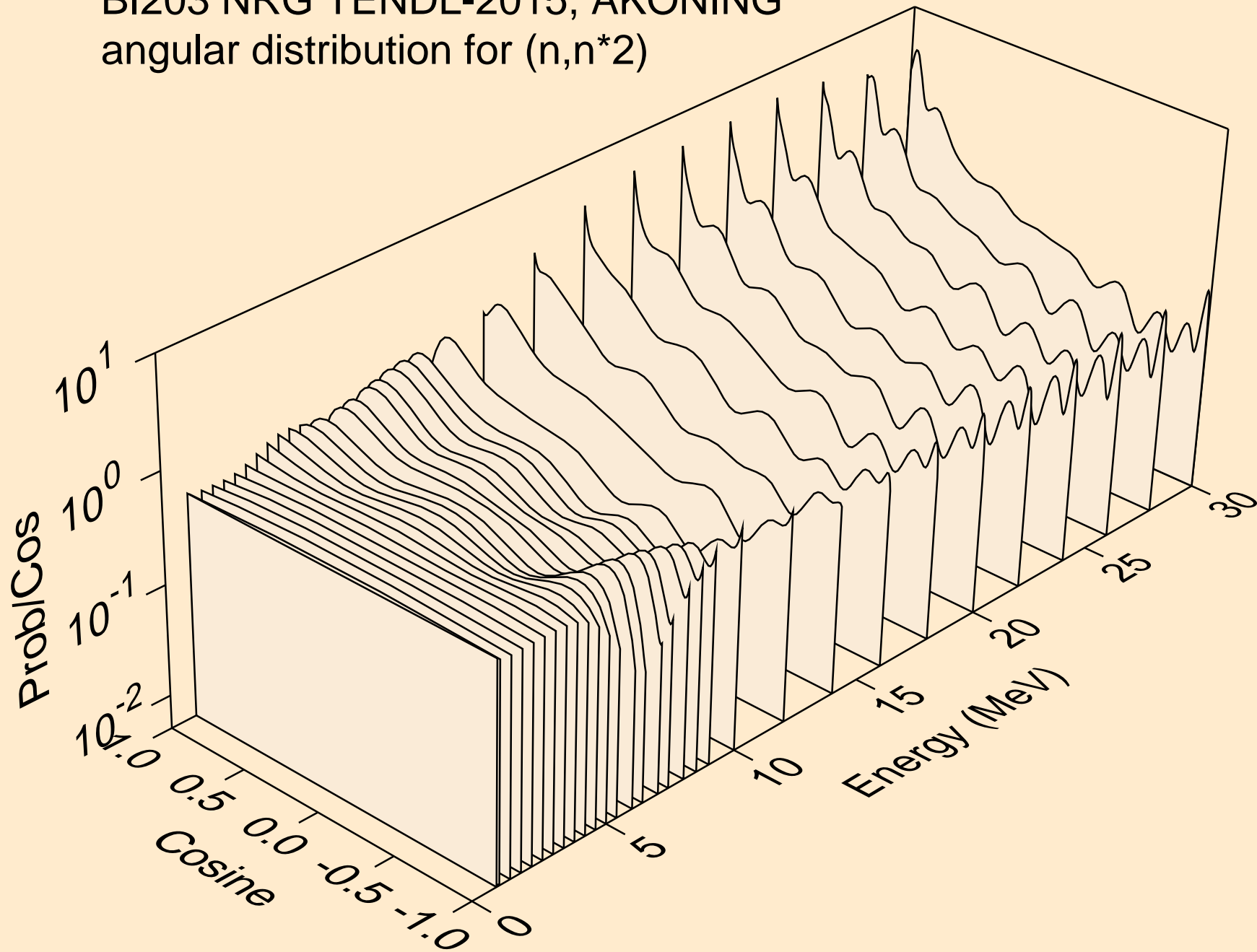
BI203 NRG TENDL-2015, AKONING  
angular distribution for elastic



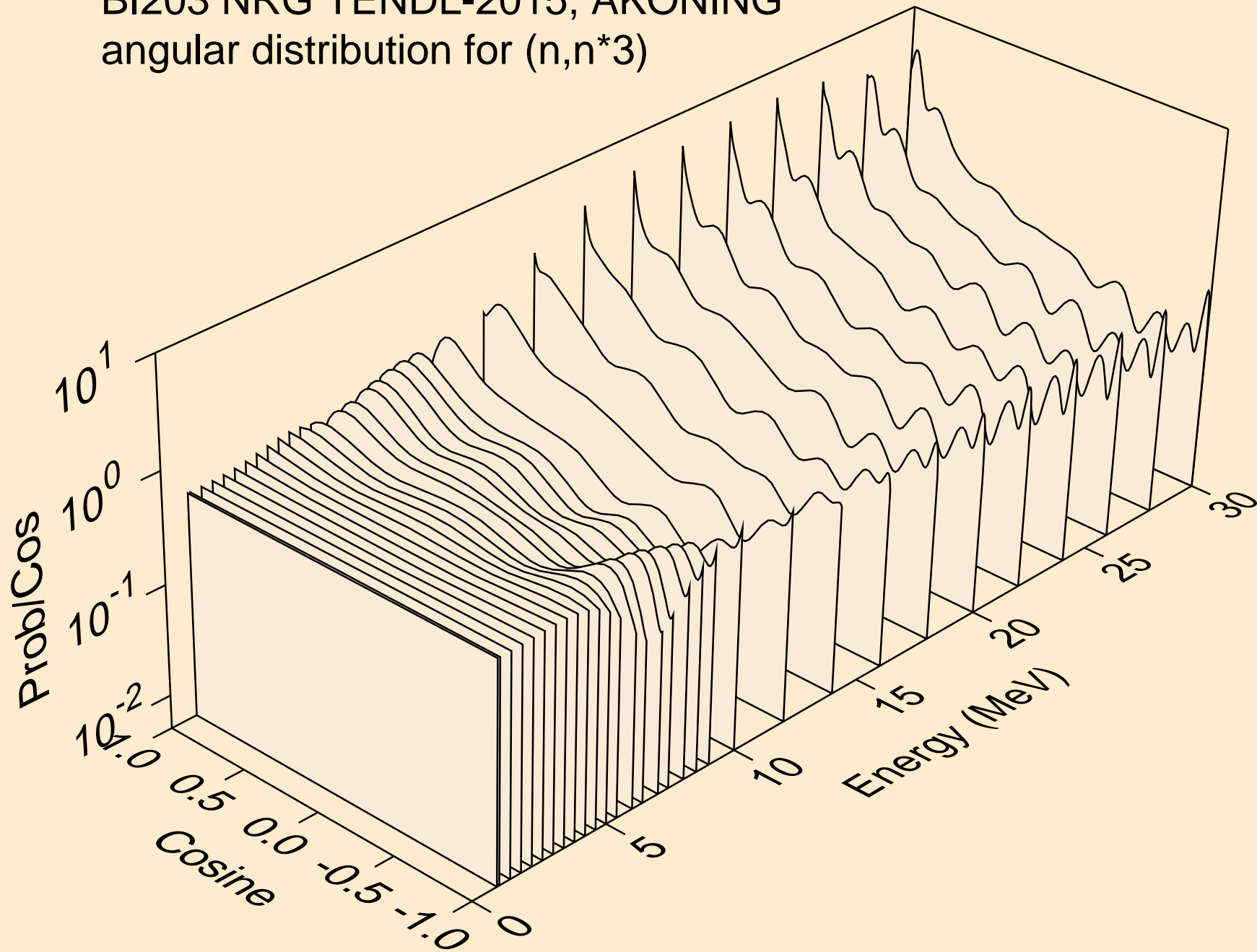
BI203 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



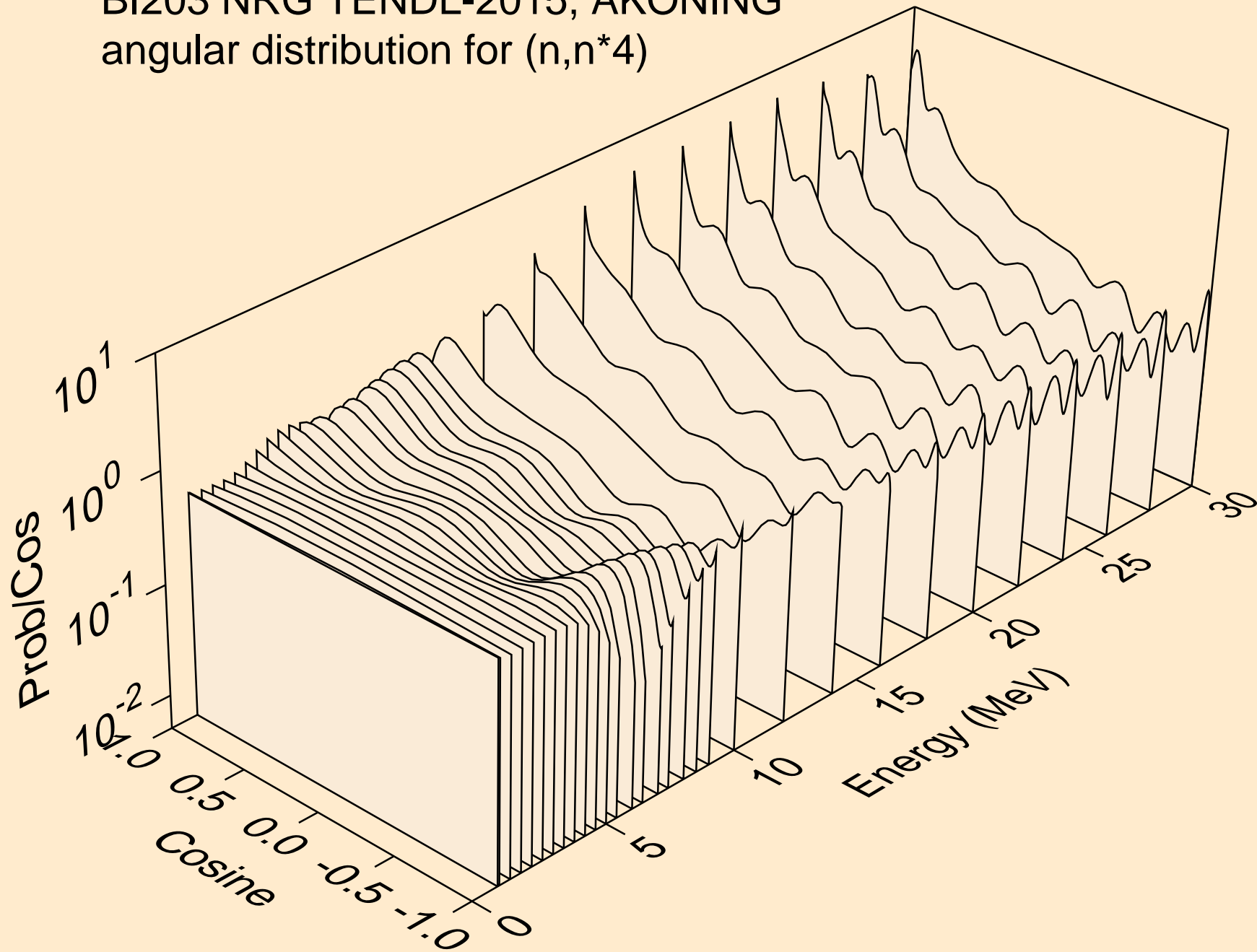
BI203 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



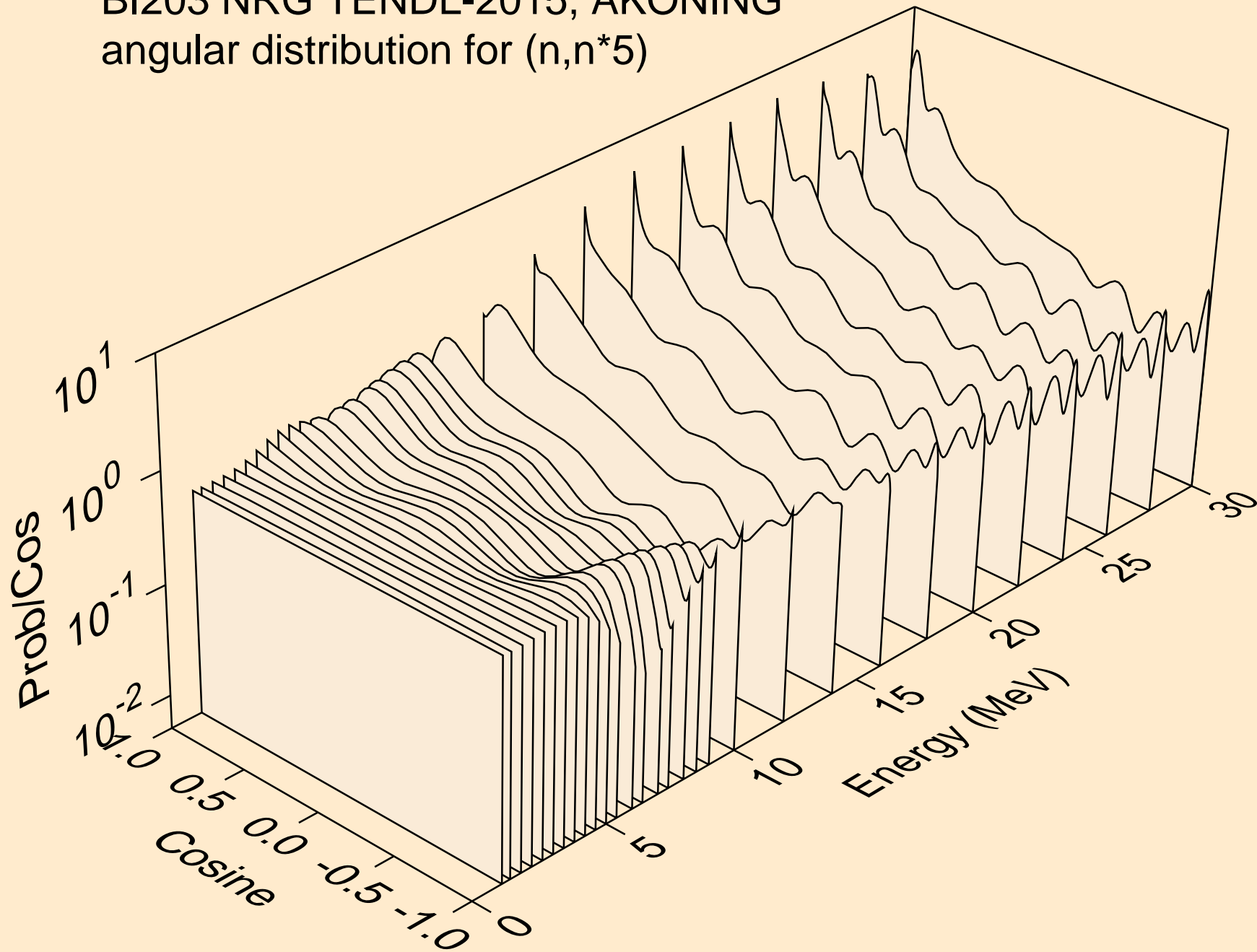
BI203 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



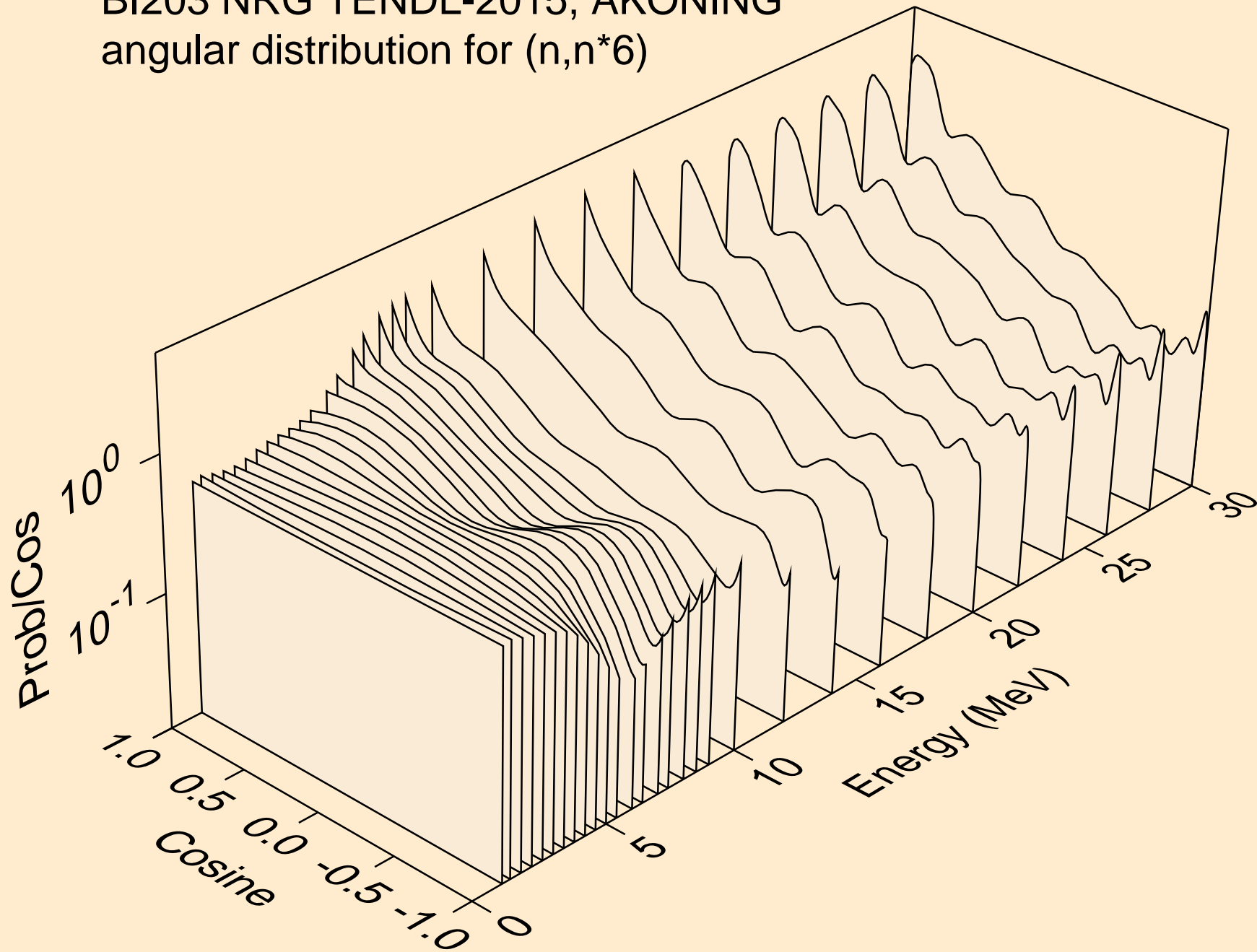
BI203 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



BI203 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)

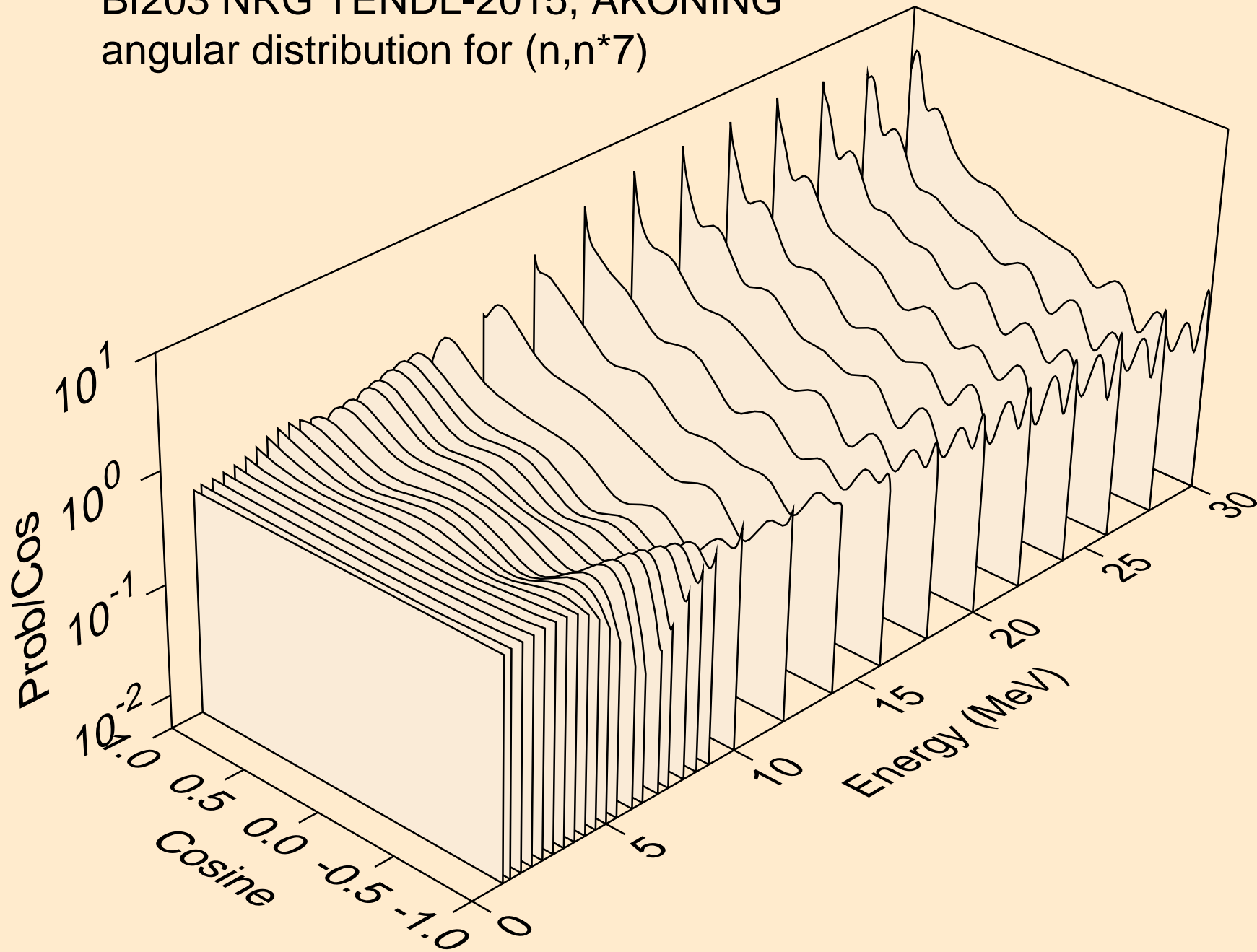


BI203 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)

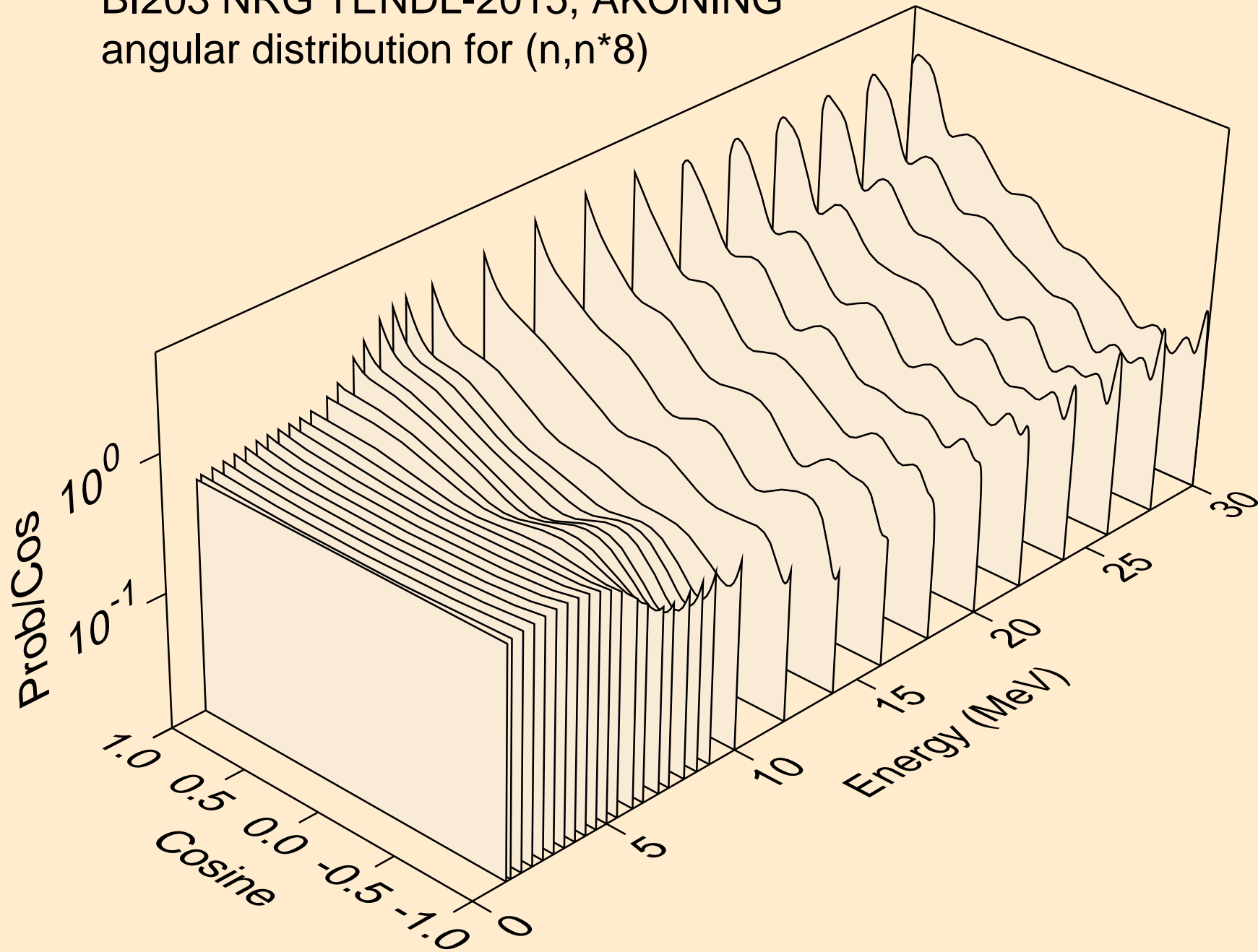




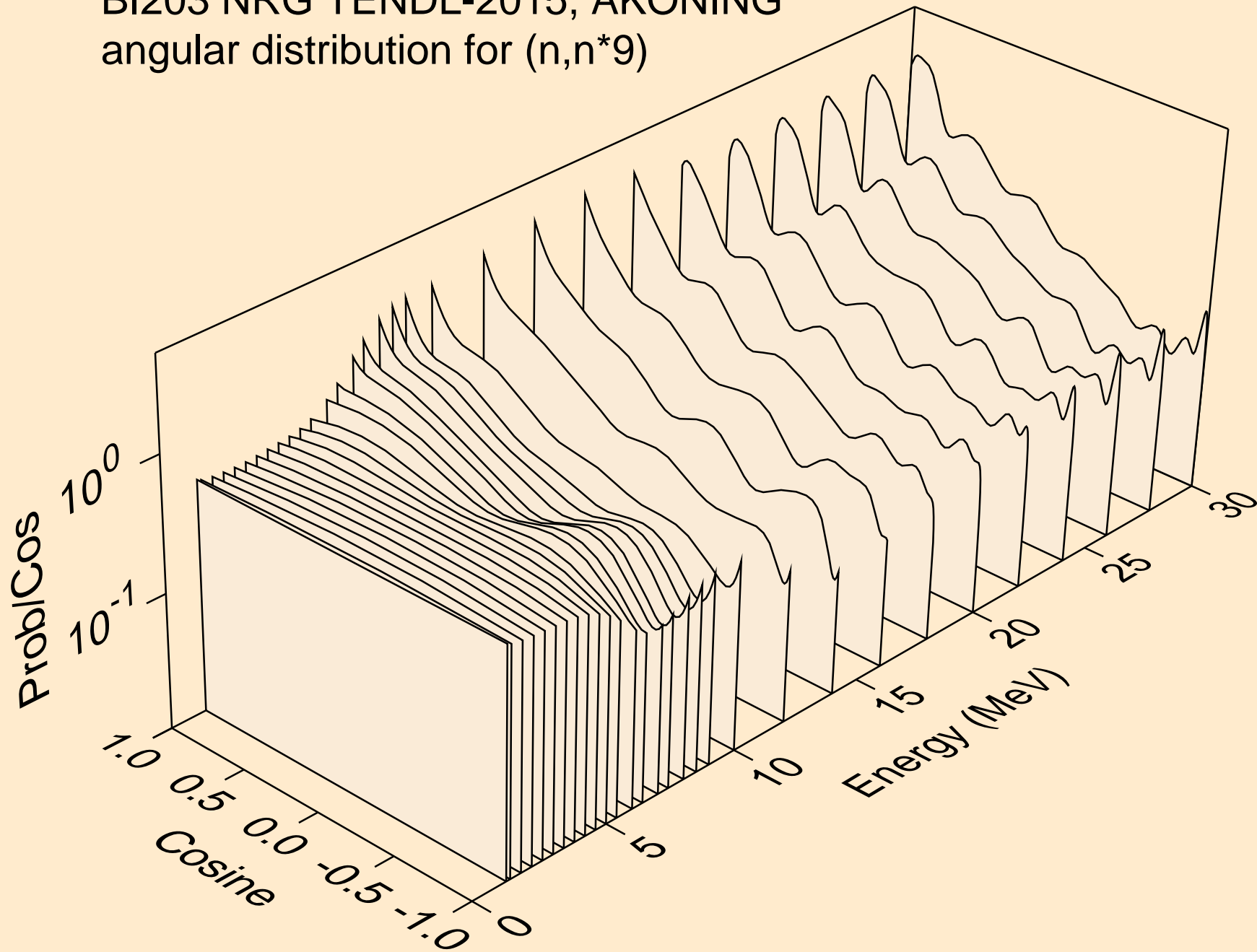
BI203 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



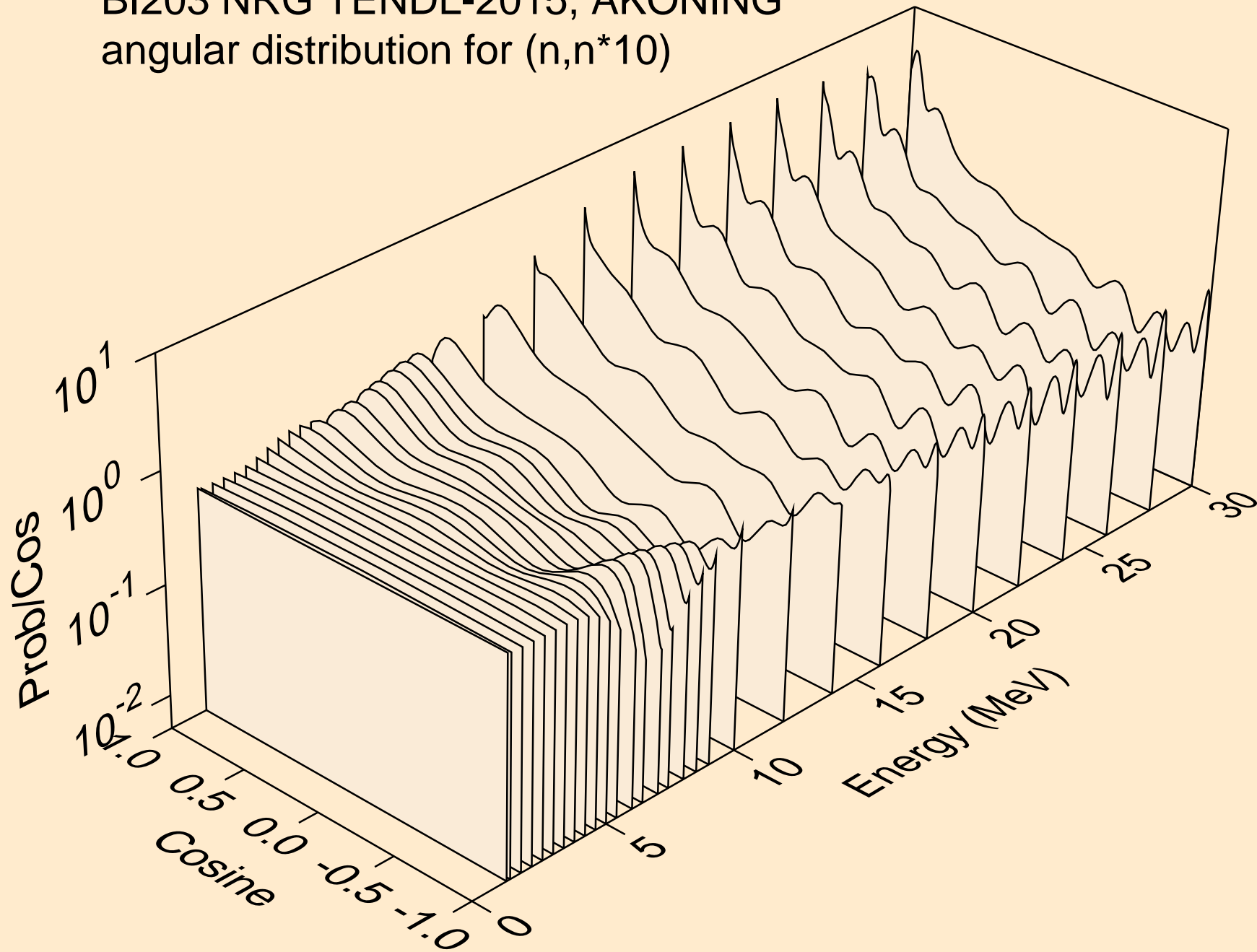
BI203 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)



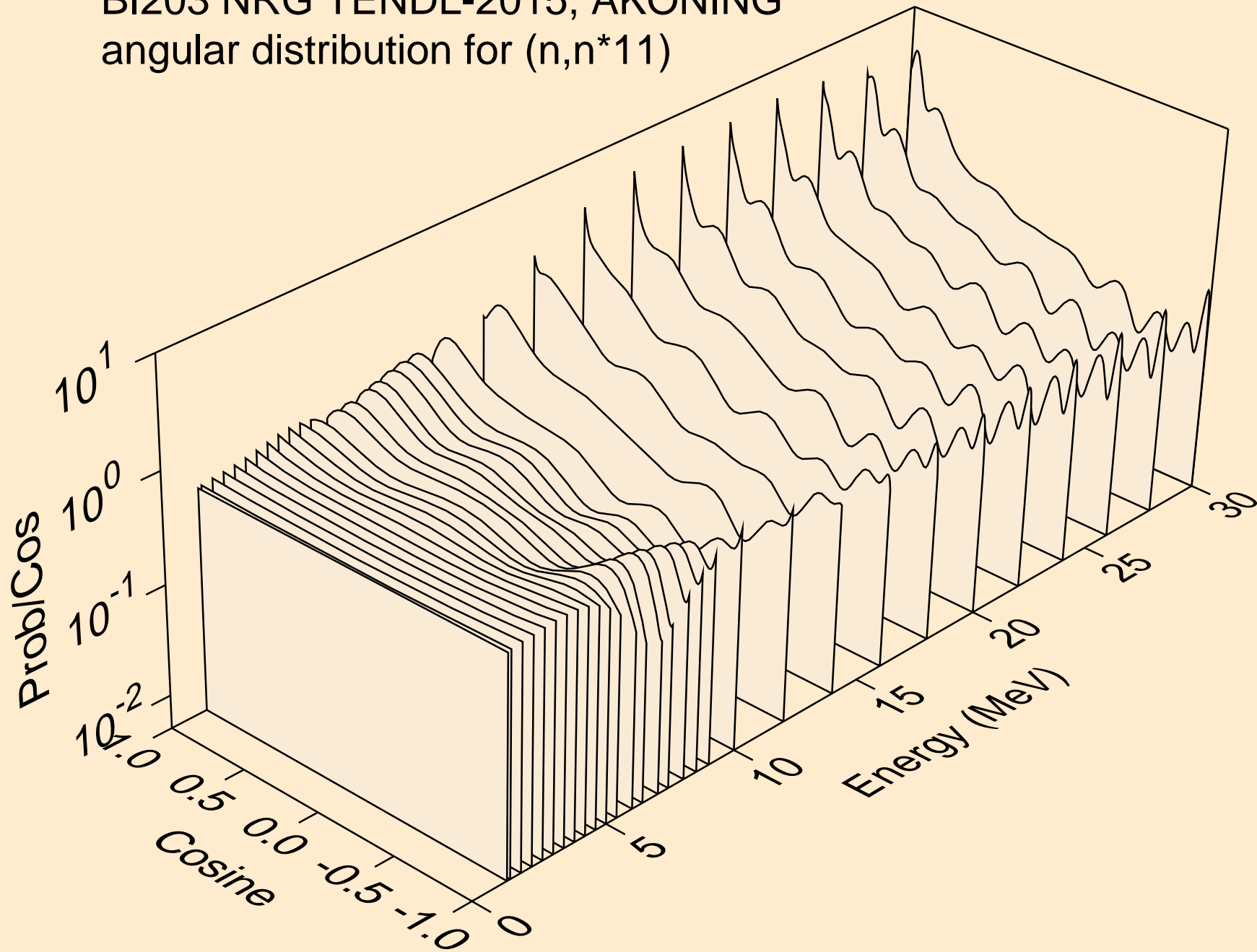
BI203 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



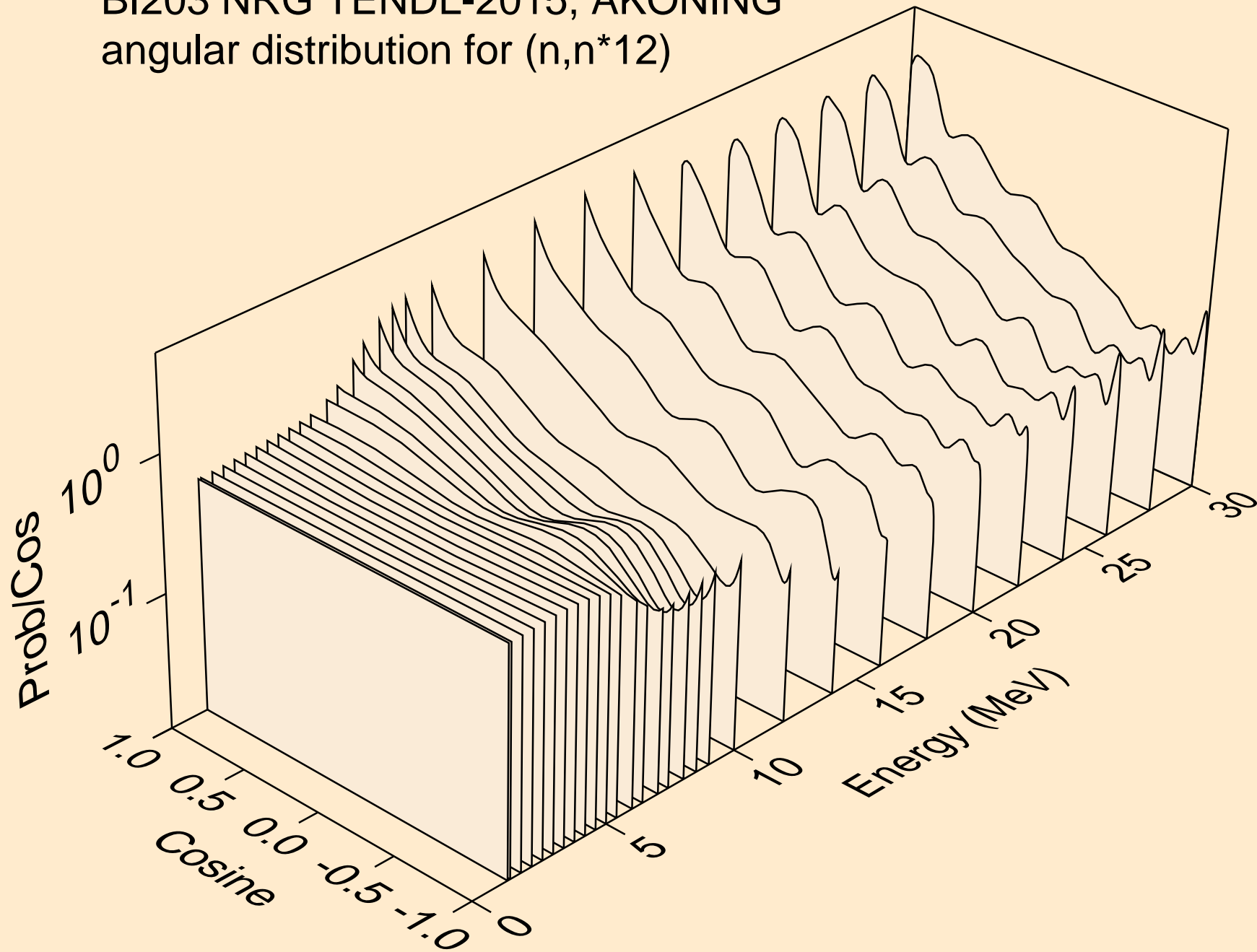
BI203 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



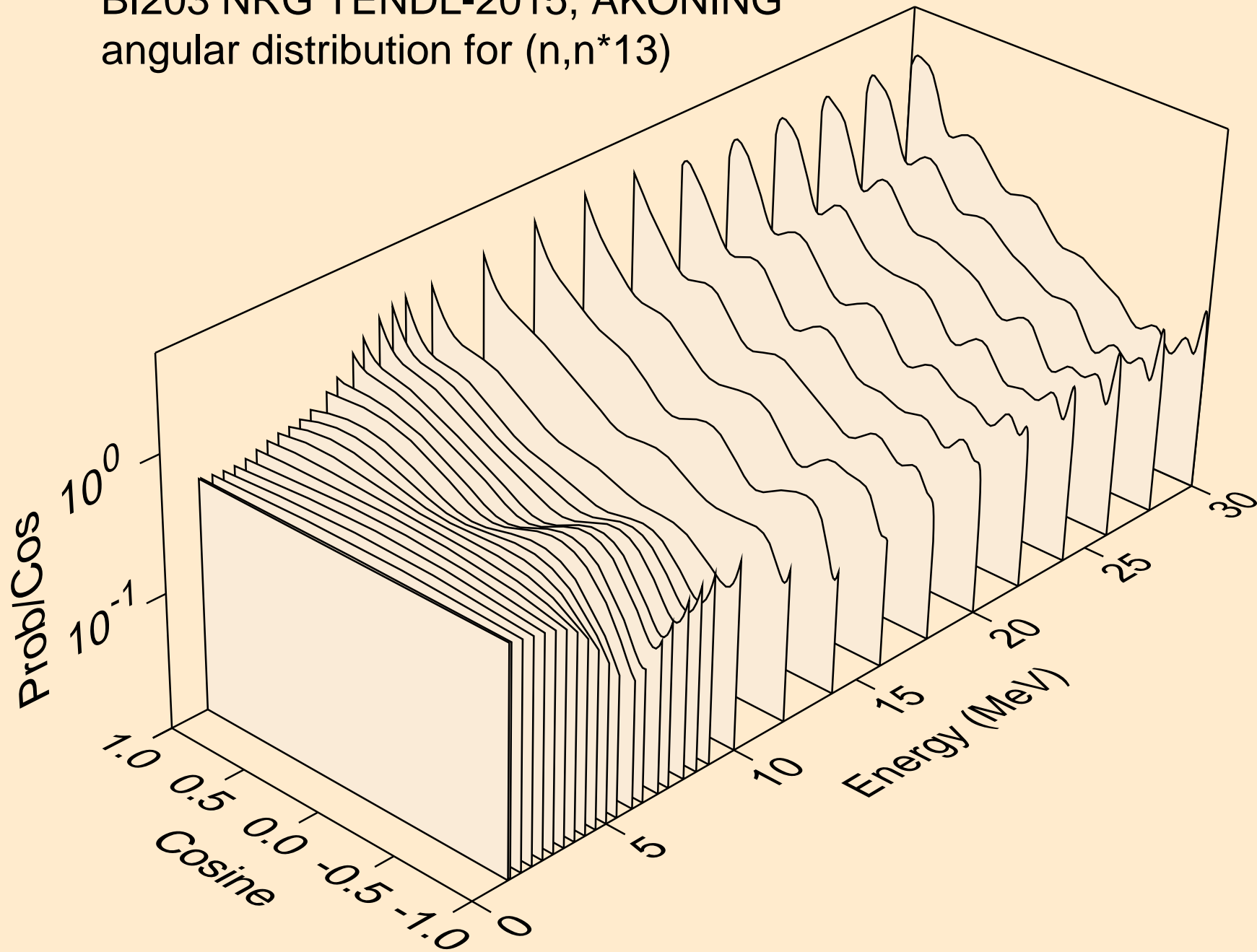
BI203 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



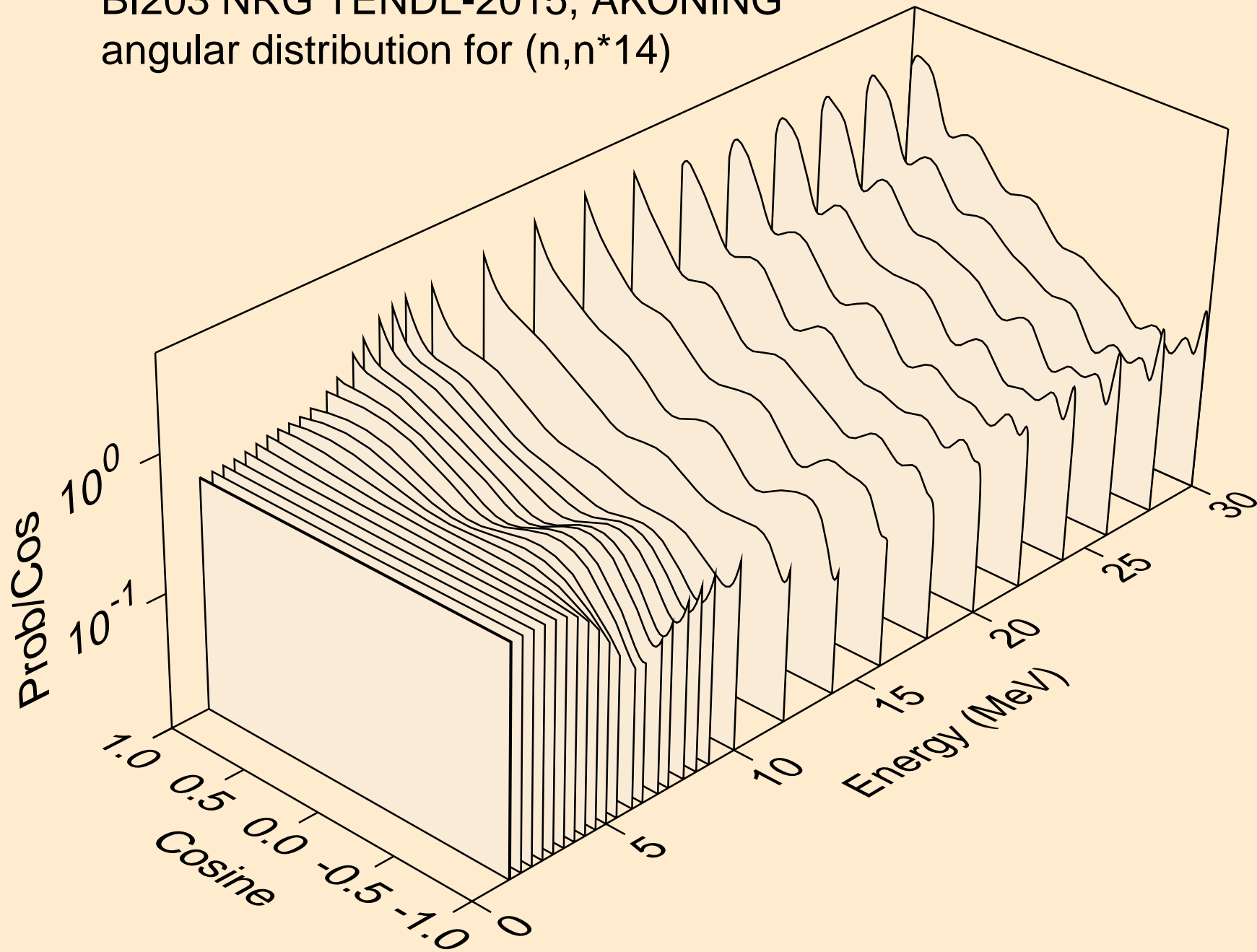
BI203 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



BI203 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)

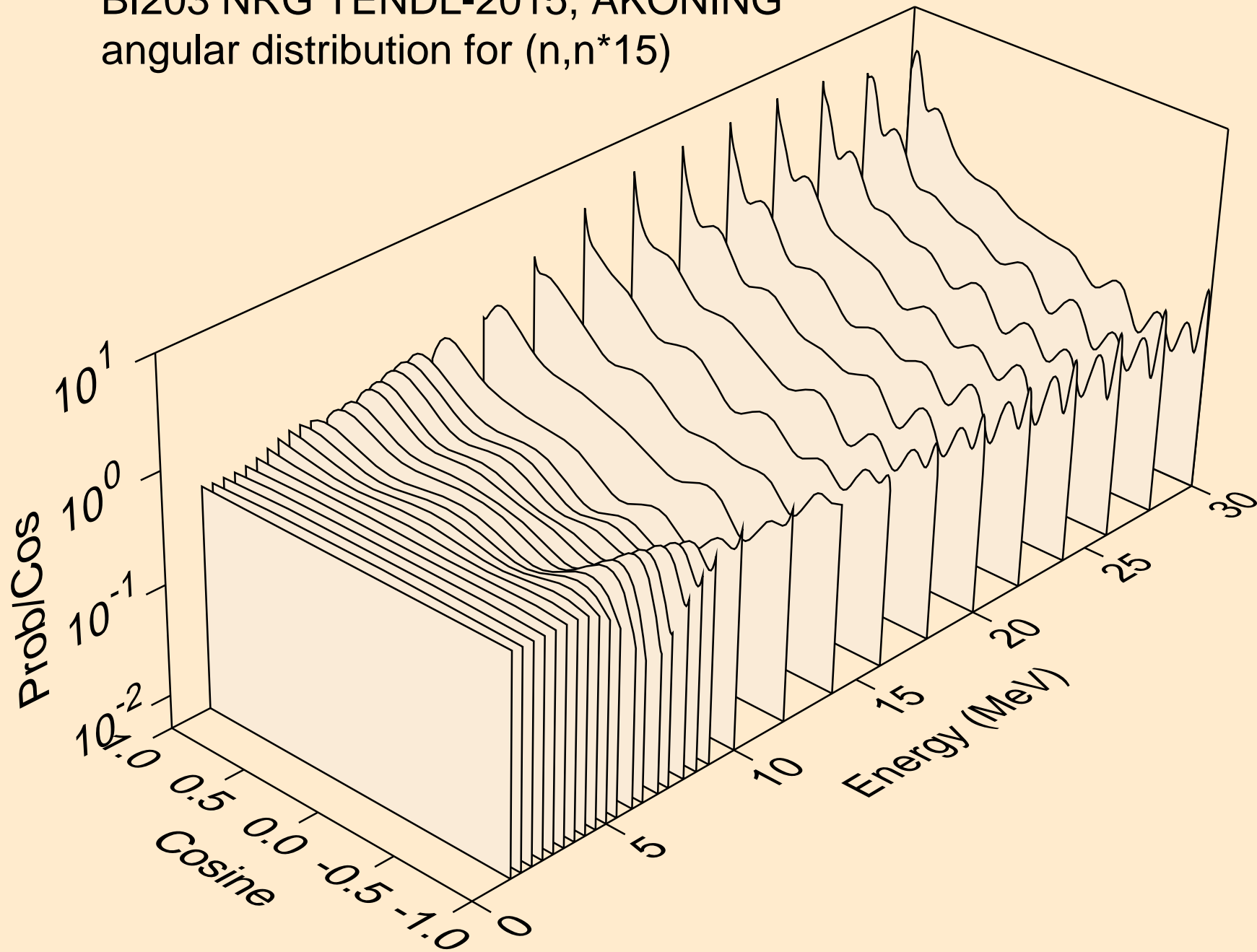


BI203 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)

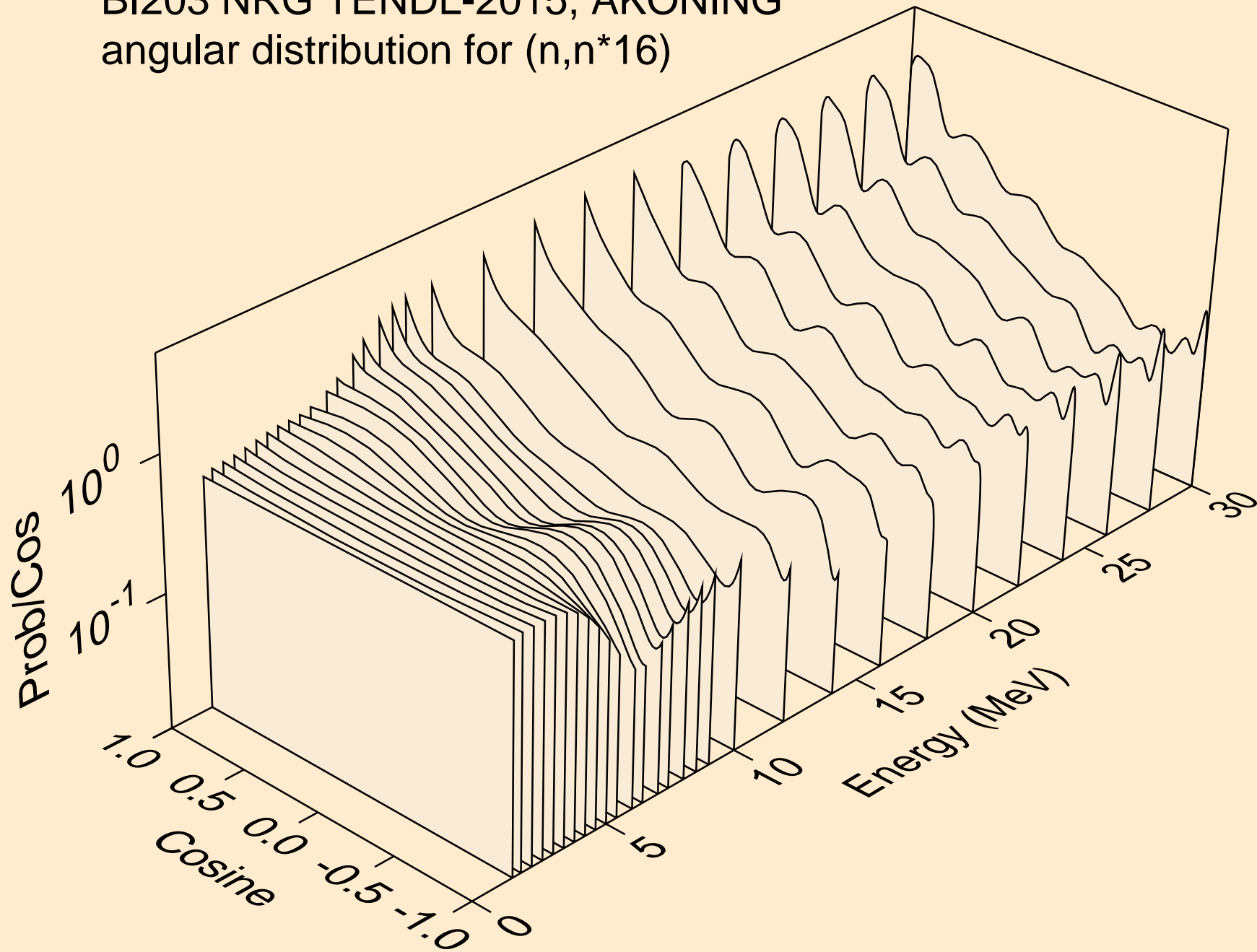




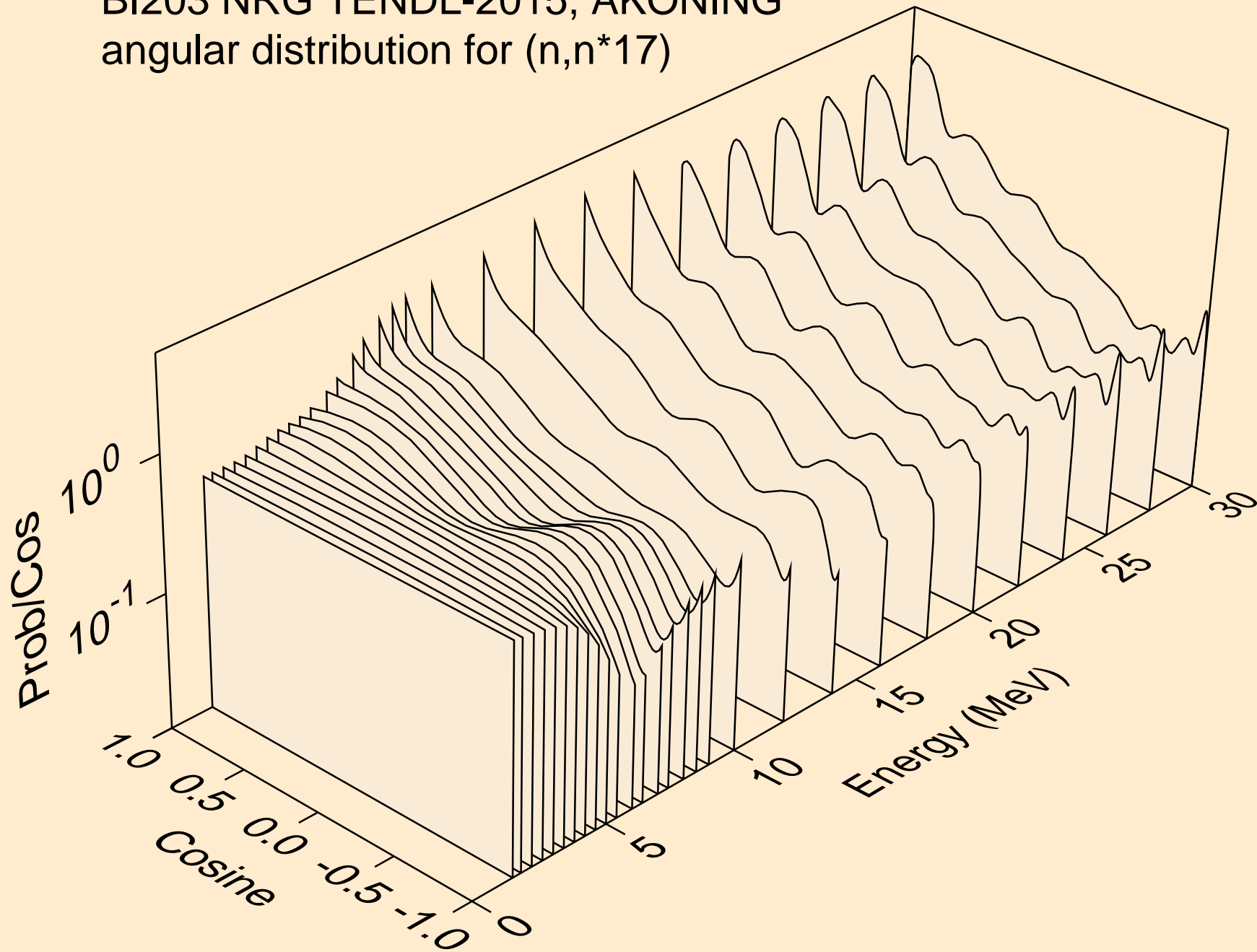
BI203 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



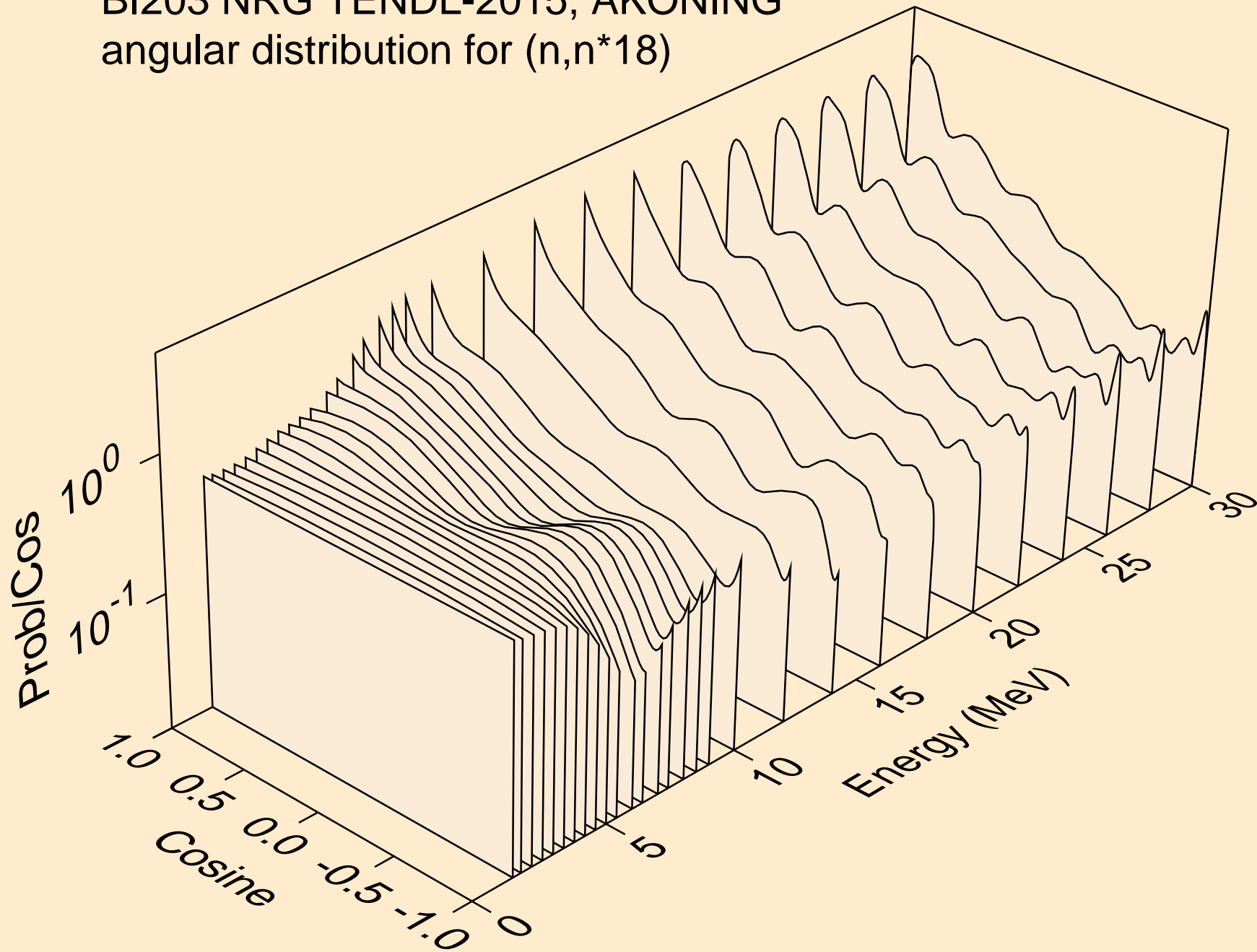
BI203 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)



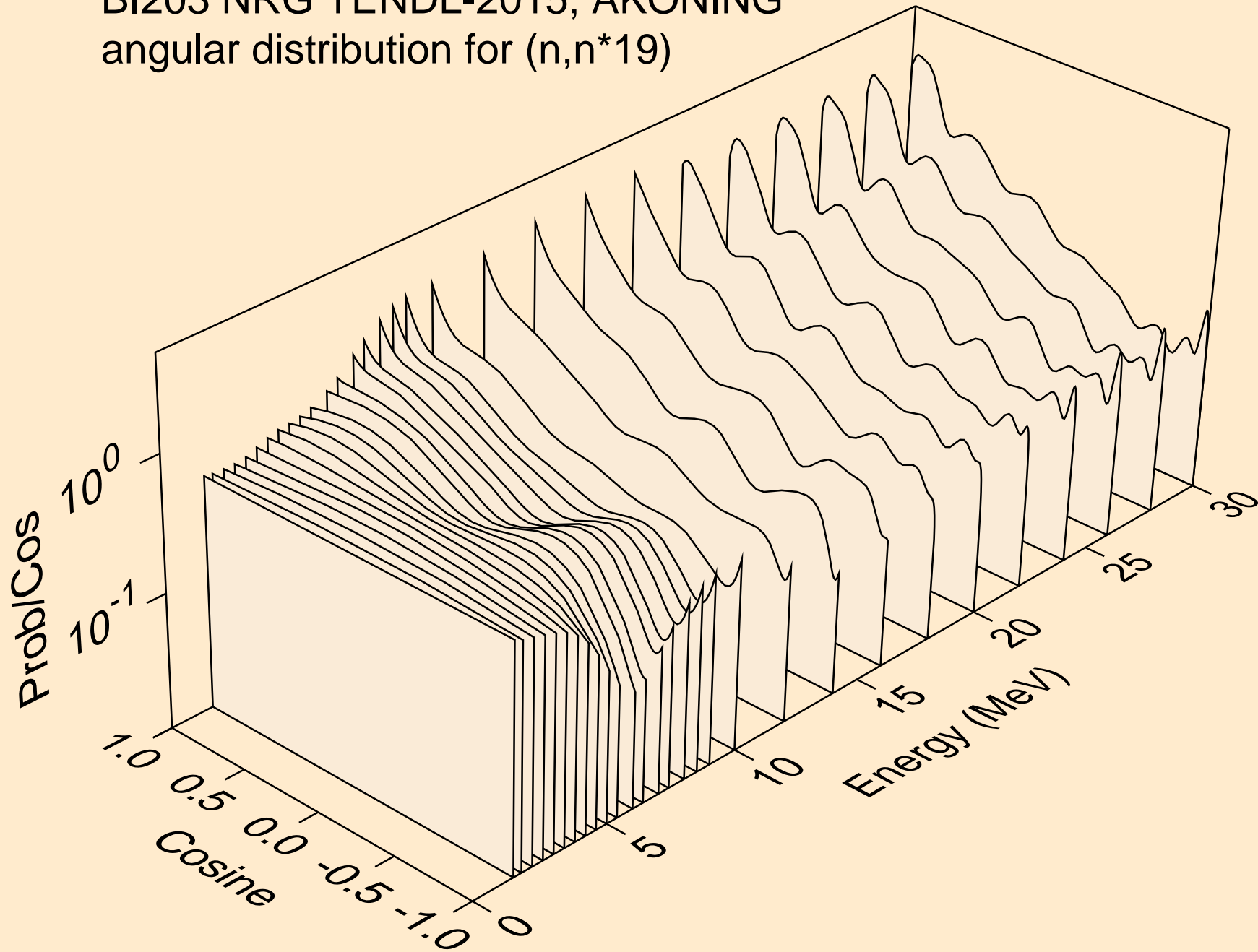
BI203 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



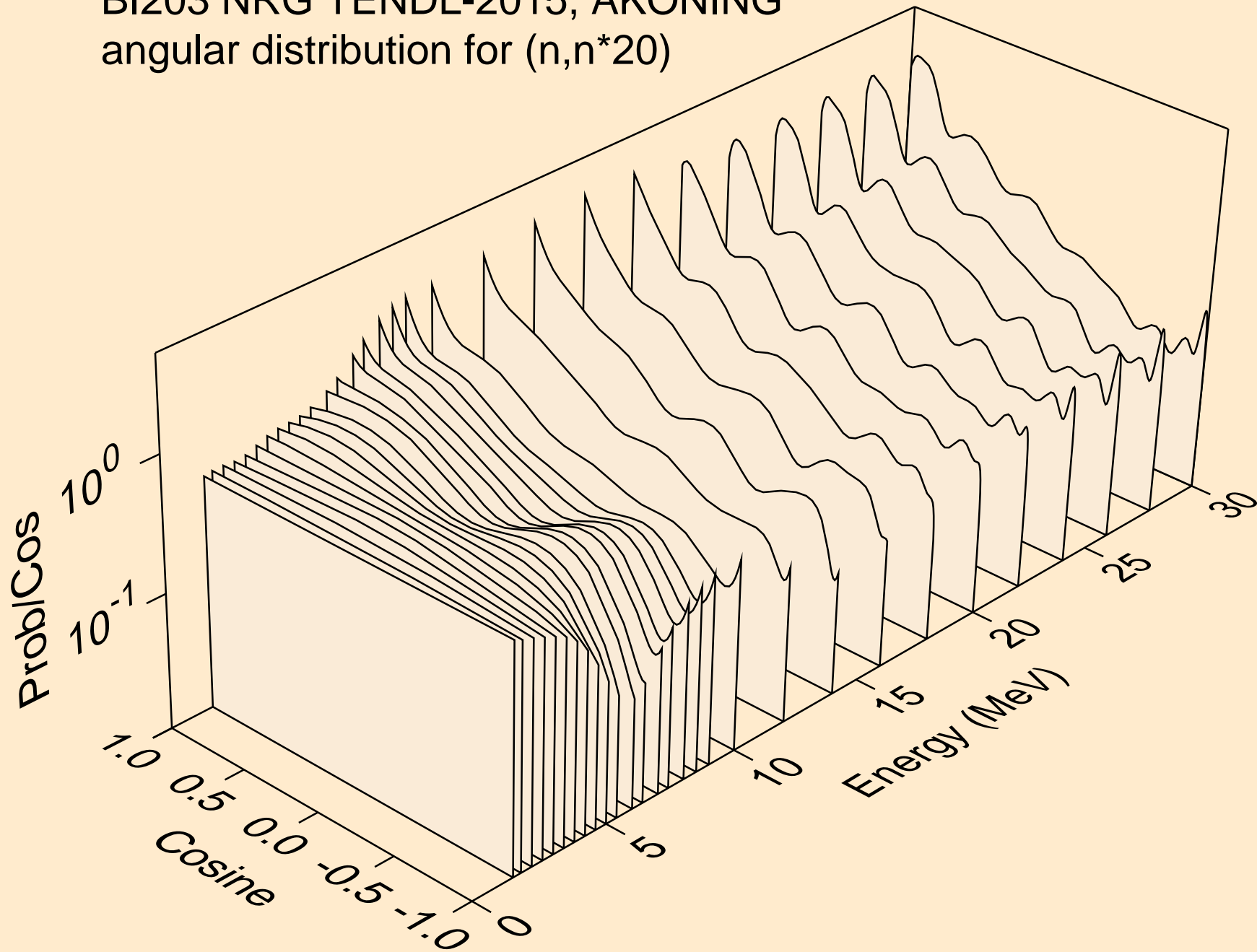
BI203 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



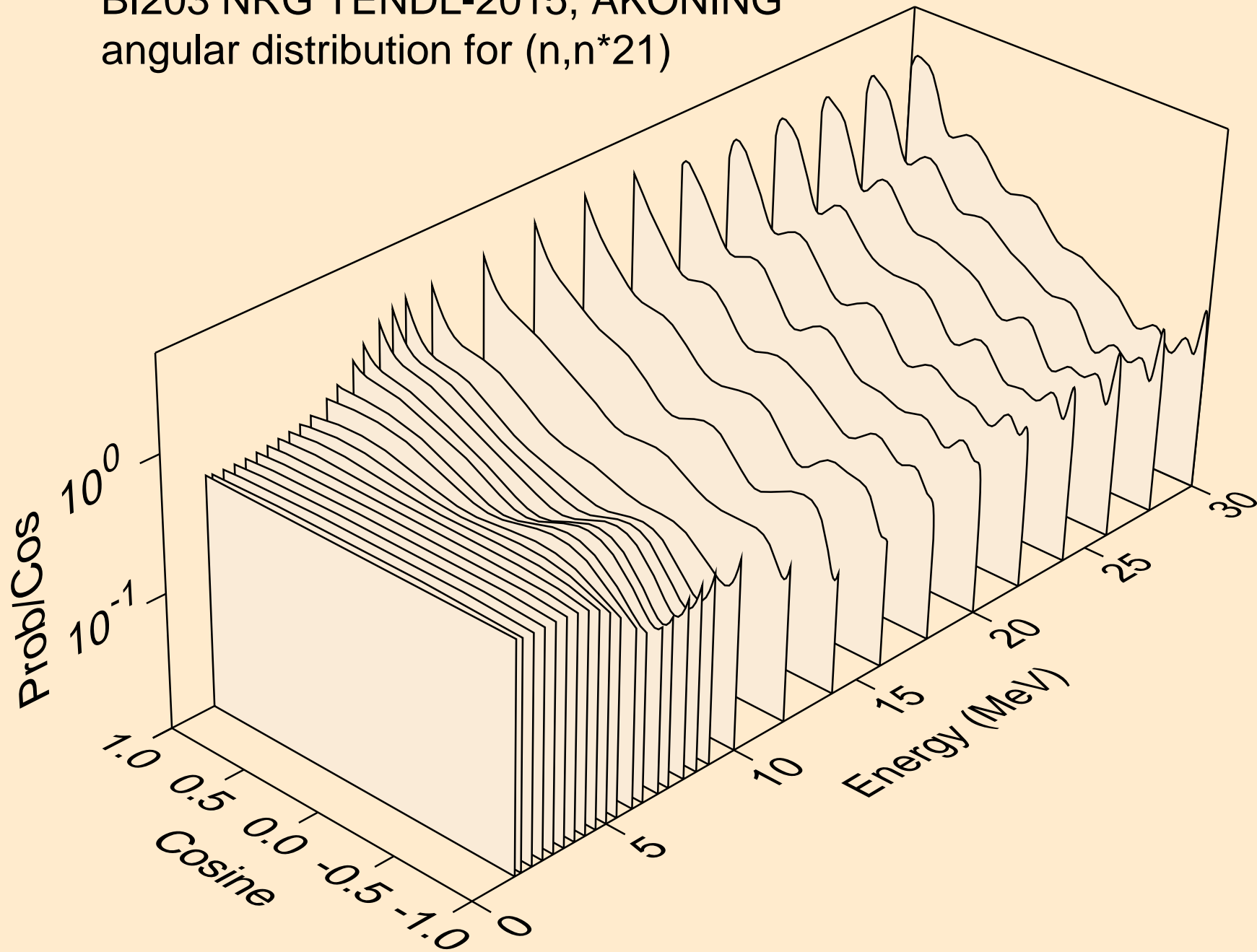
BI203 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



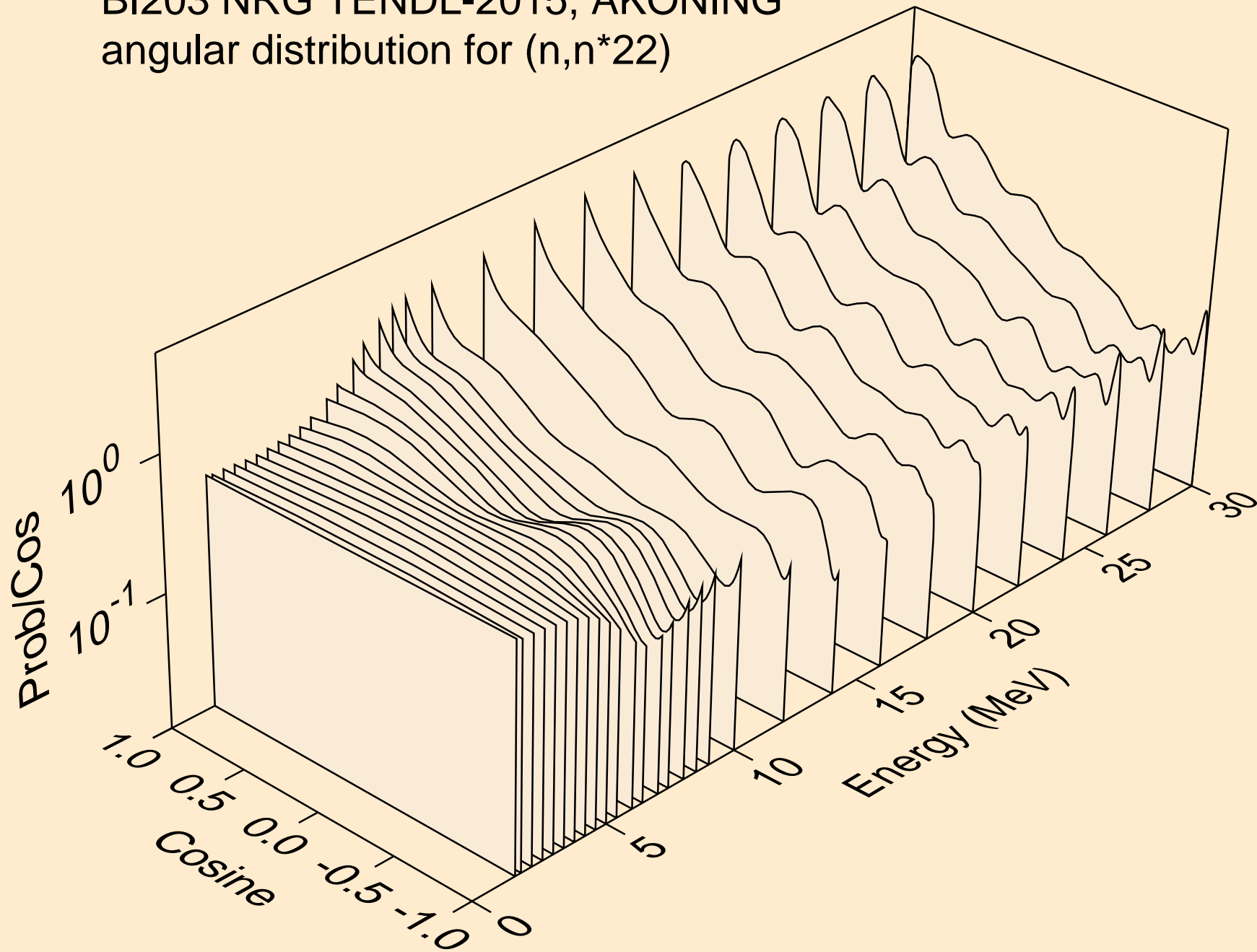
BI203 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



BI203 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)

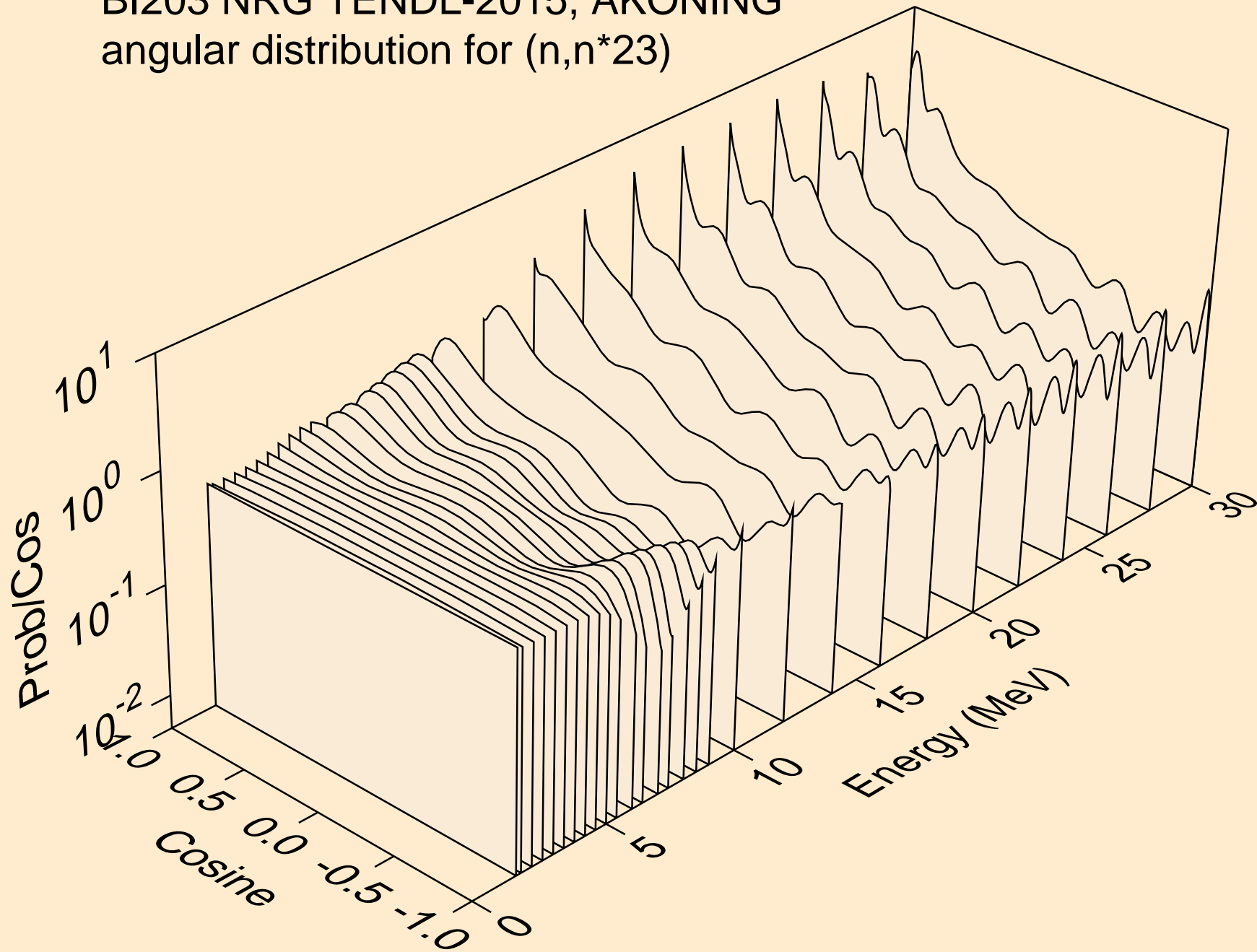


BI203 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)

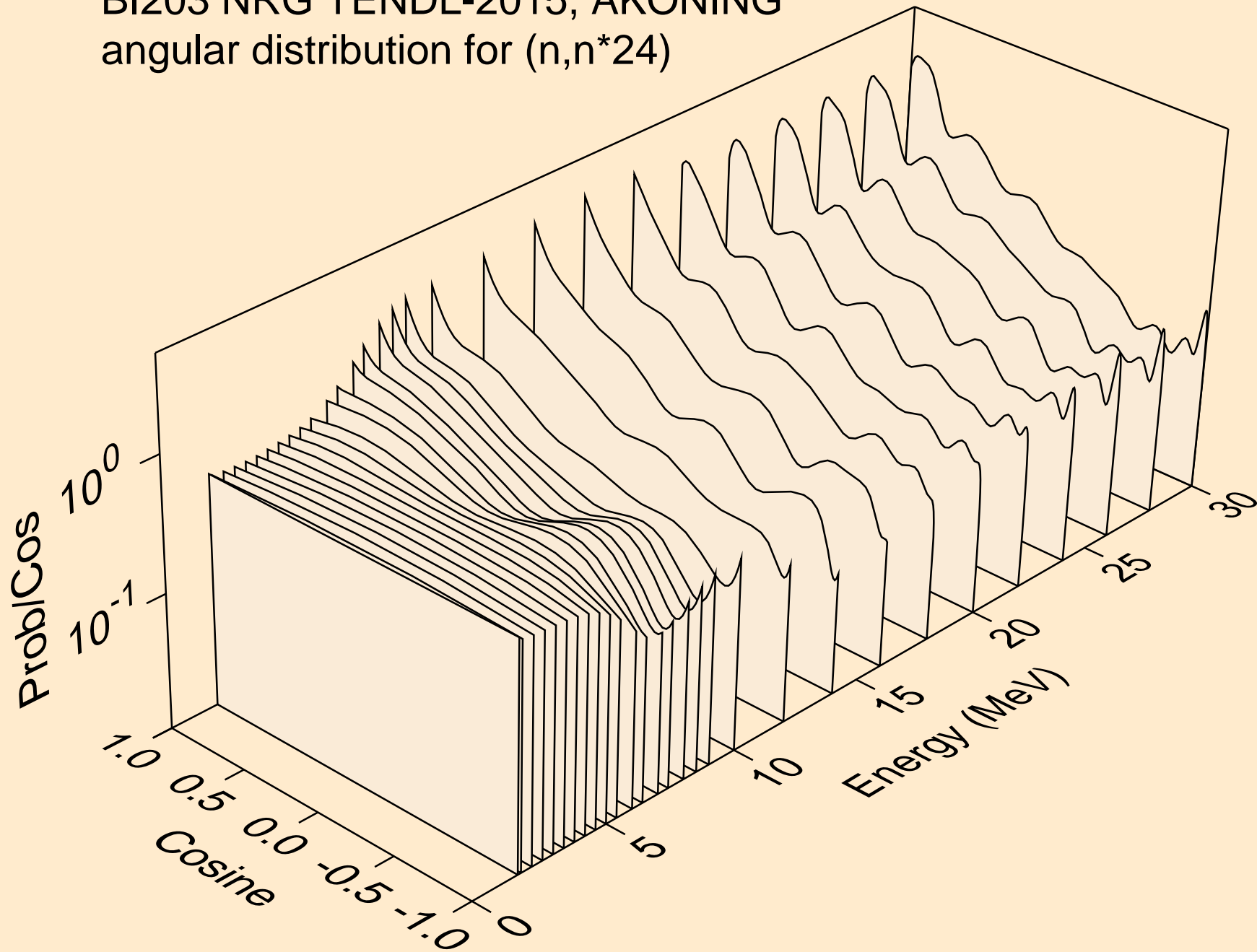




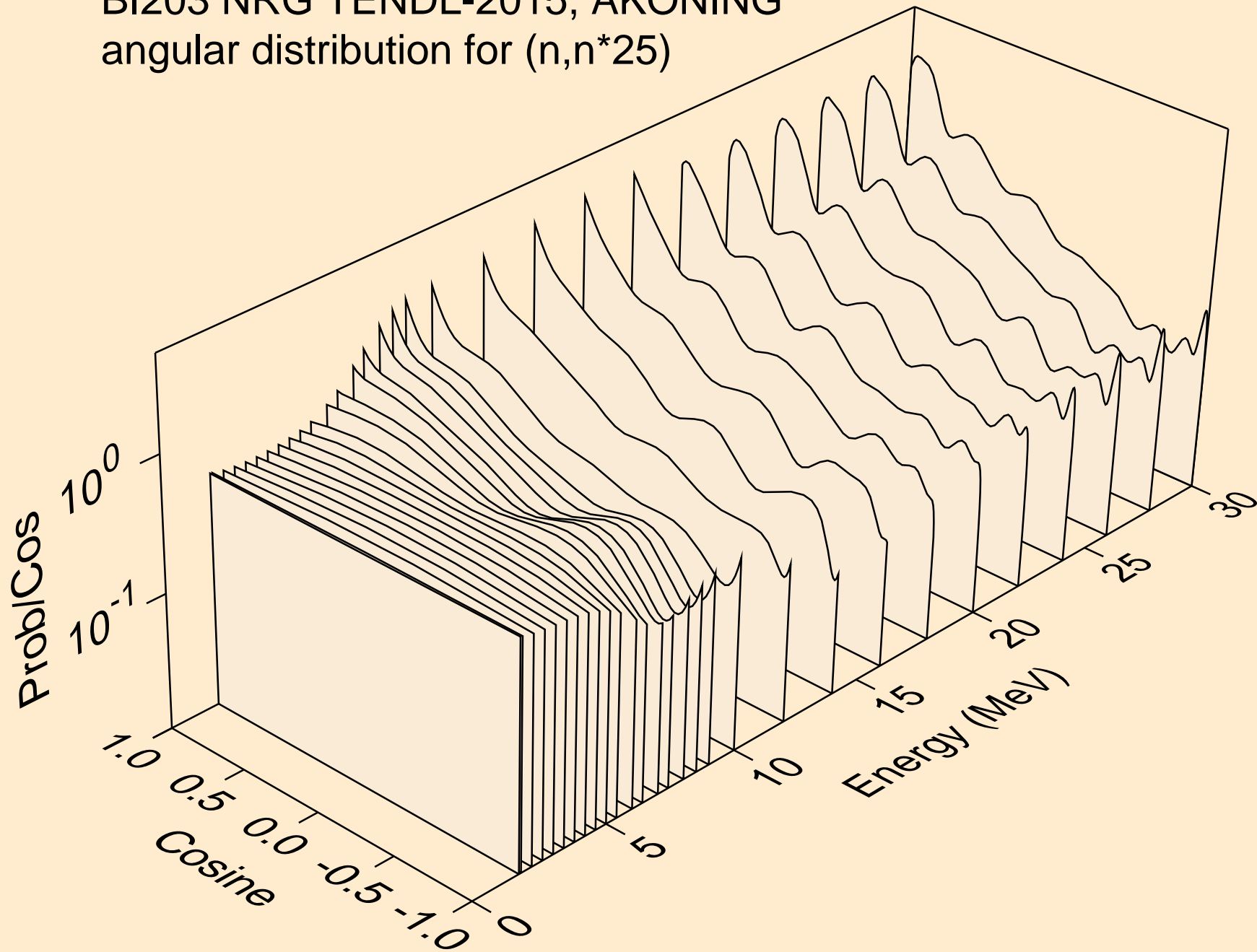
BI203 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)



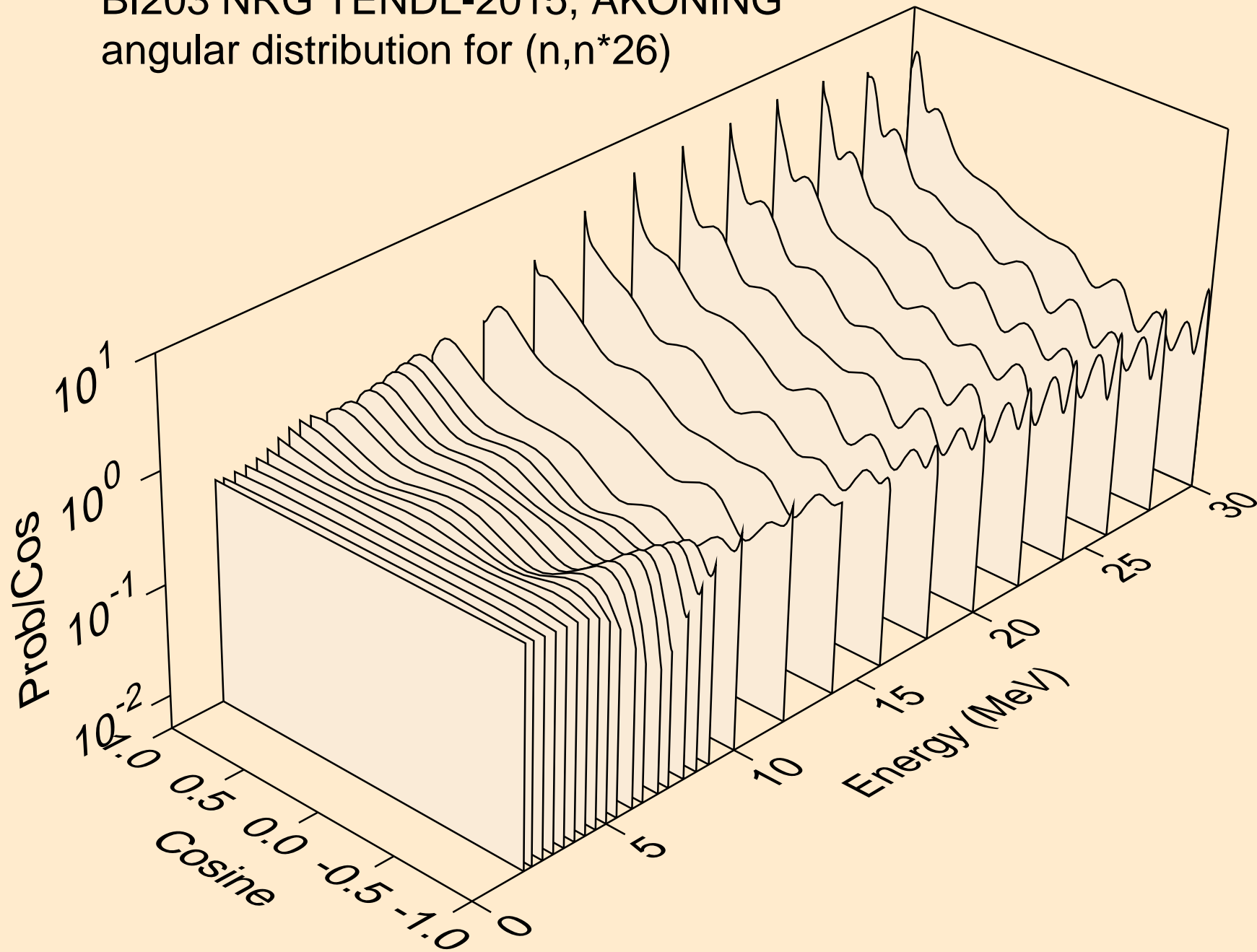
BI203 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)



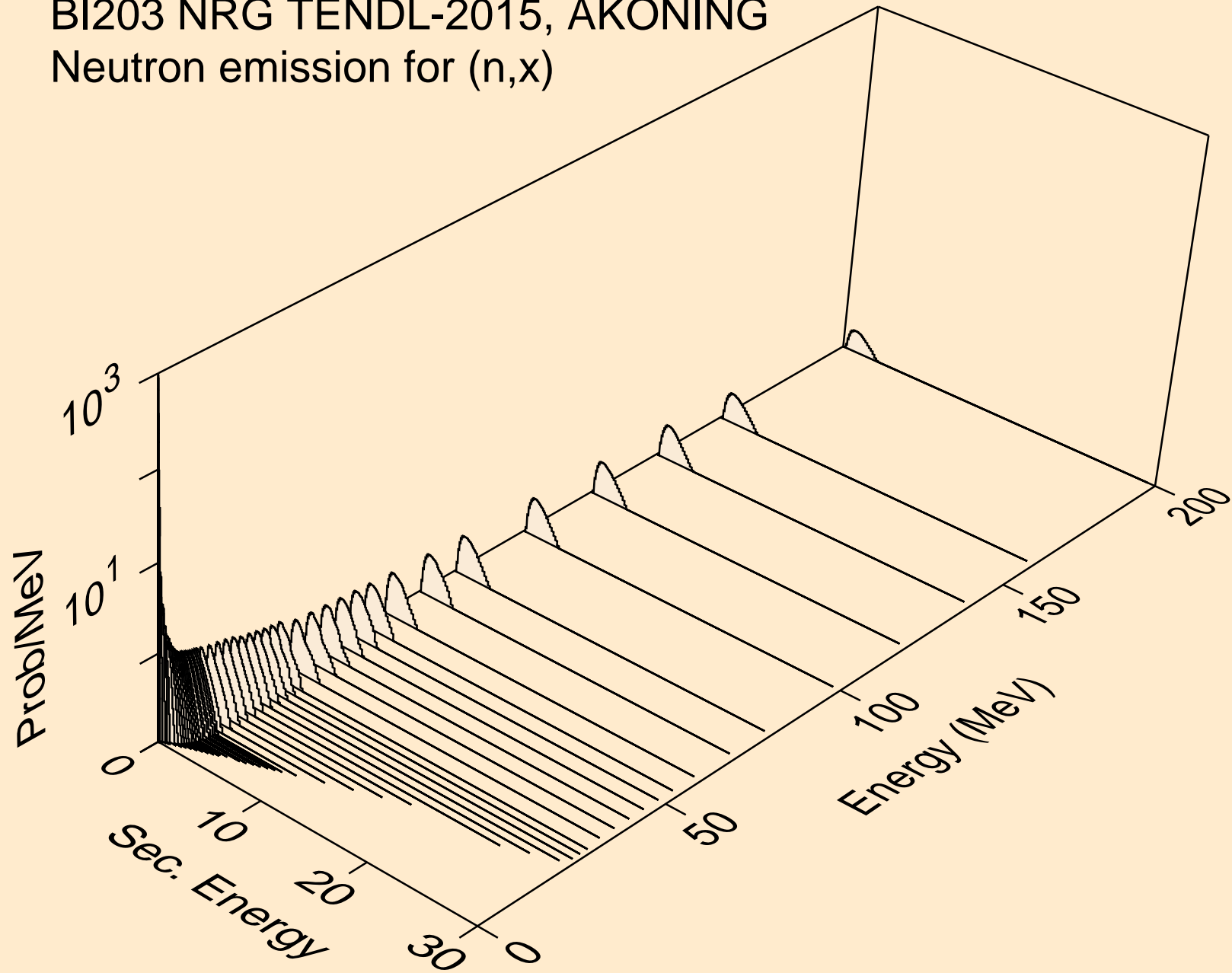
BI203 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



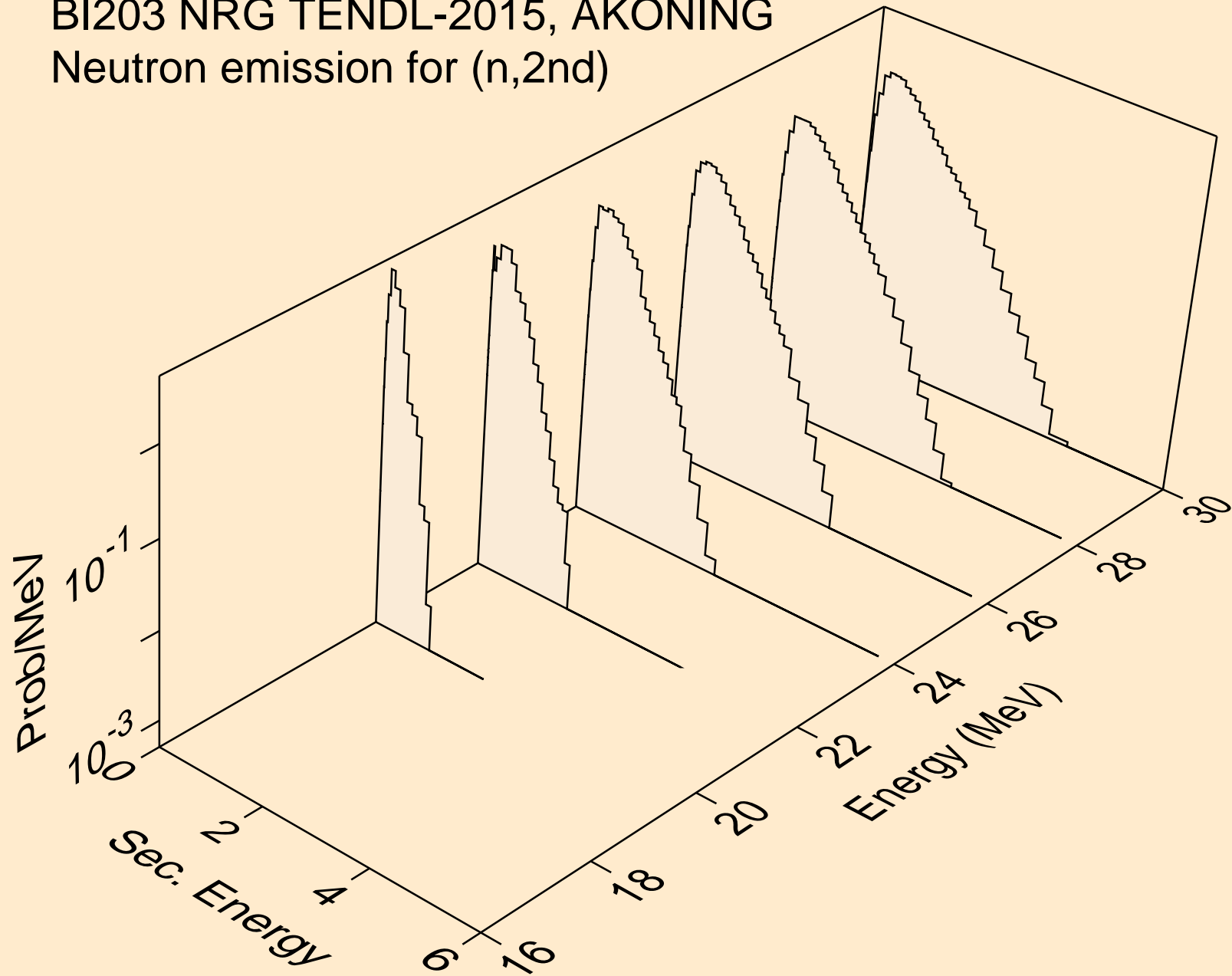
BI203 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



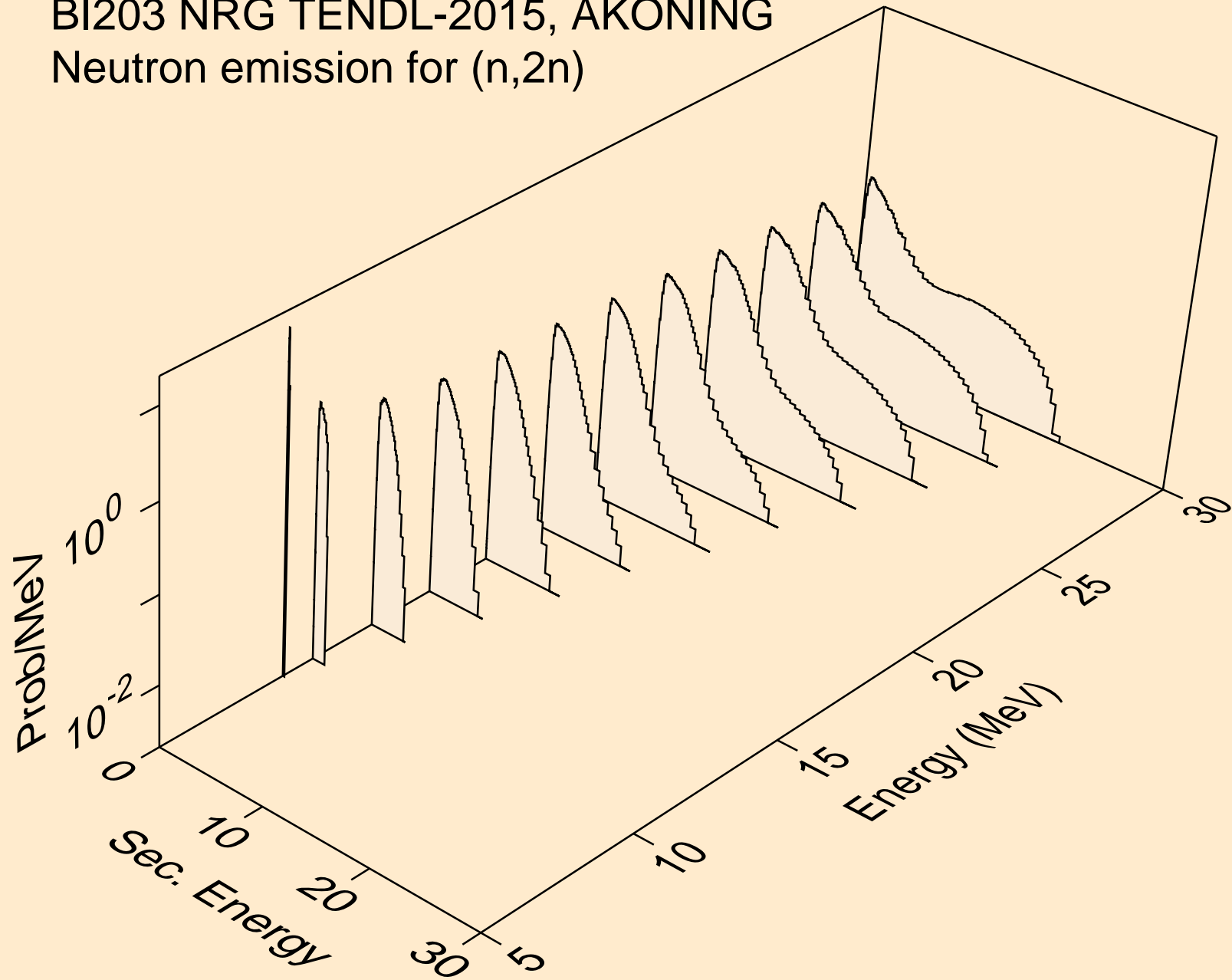
BI203 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



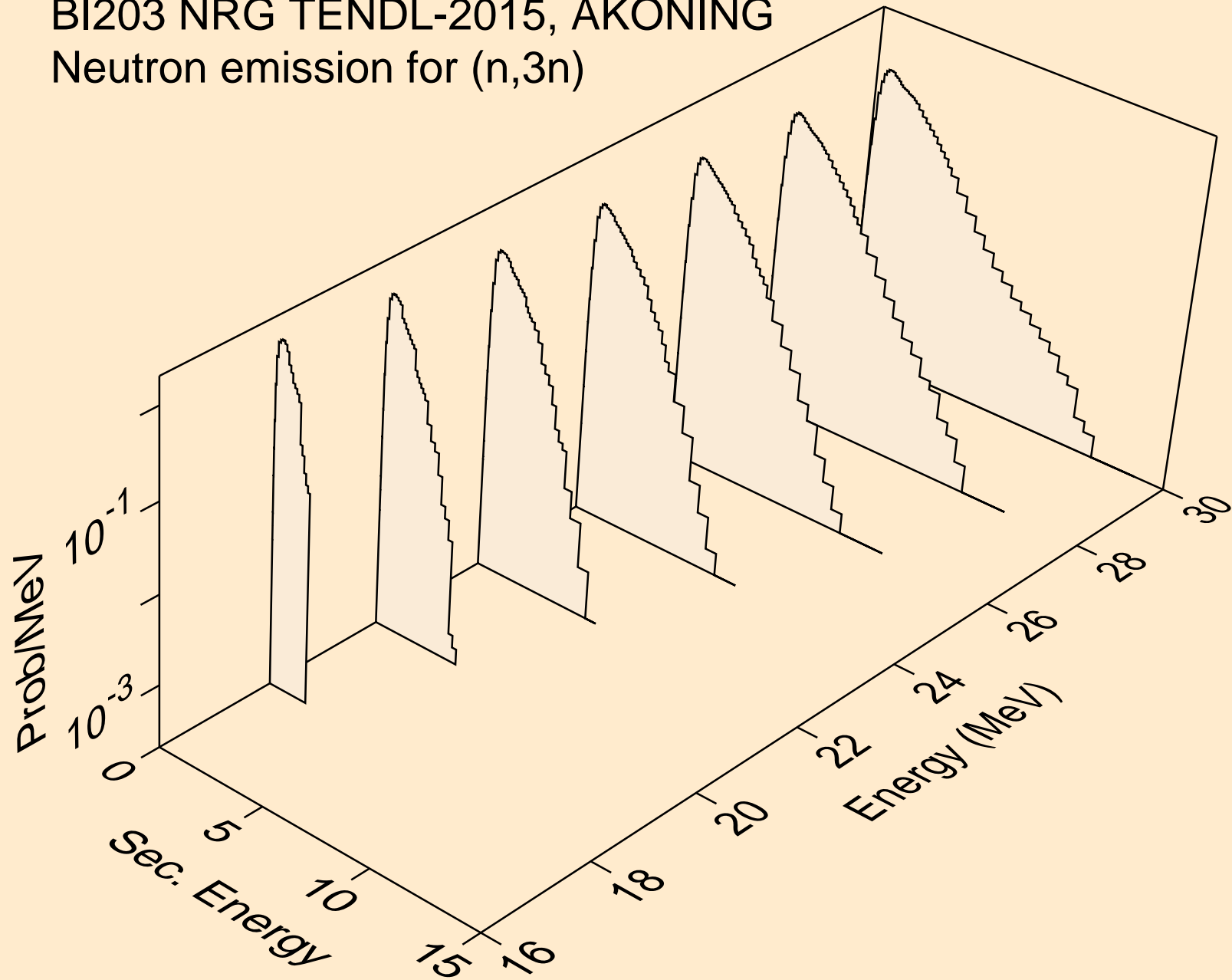
BI203 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



BI203 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)

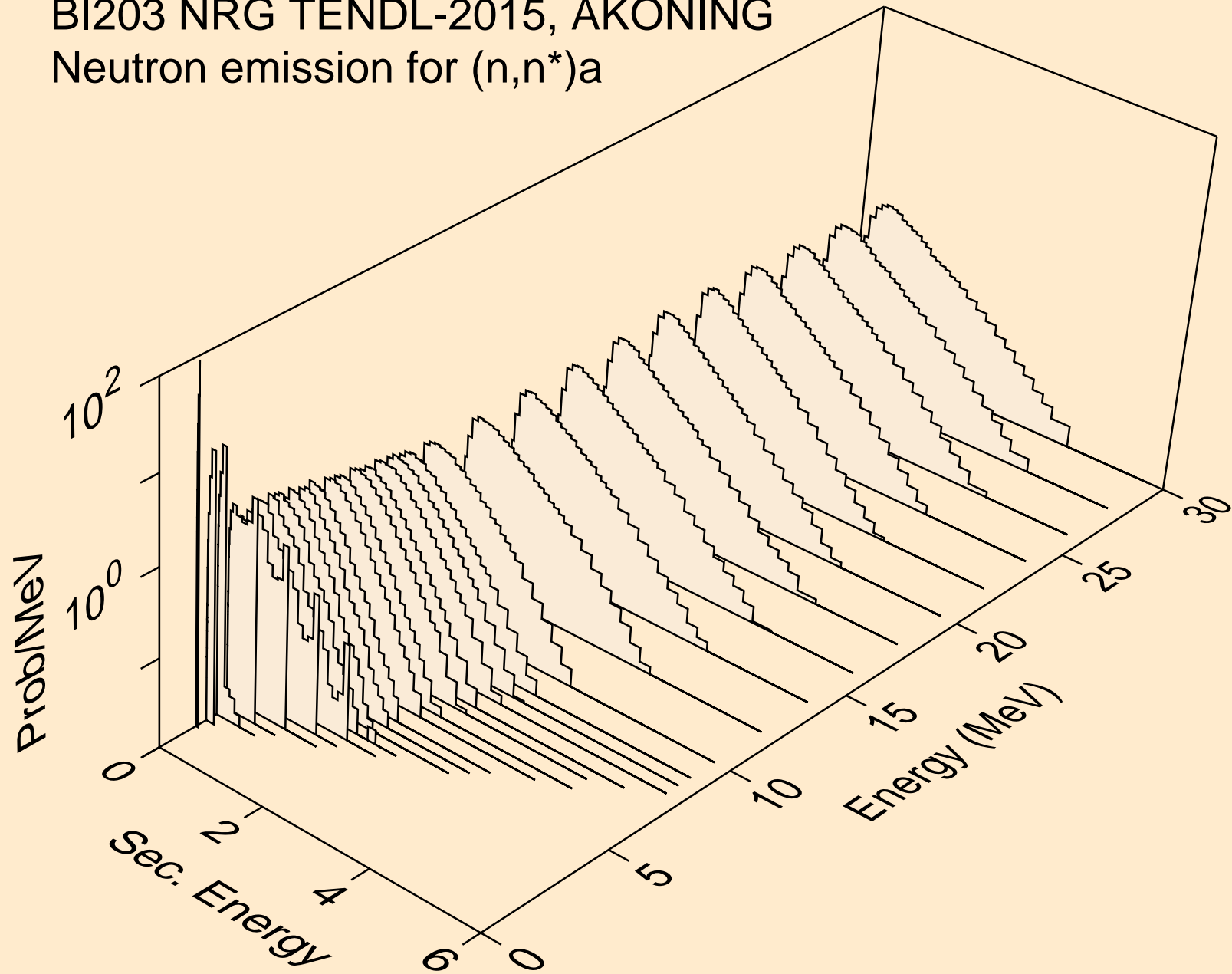


BI203 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)

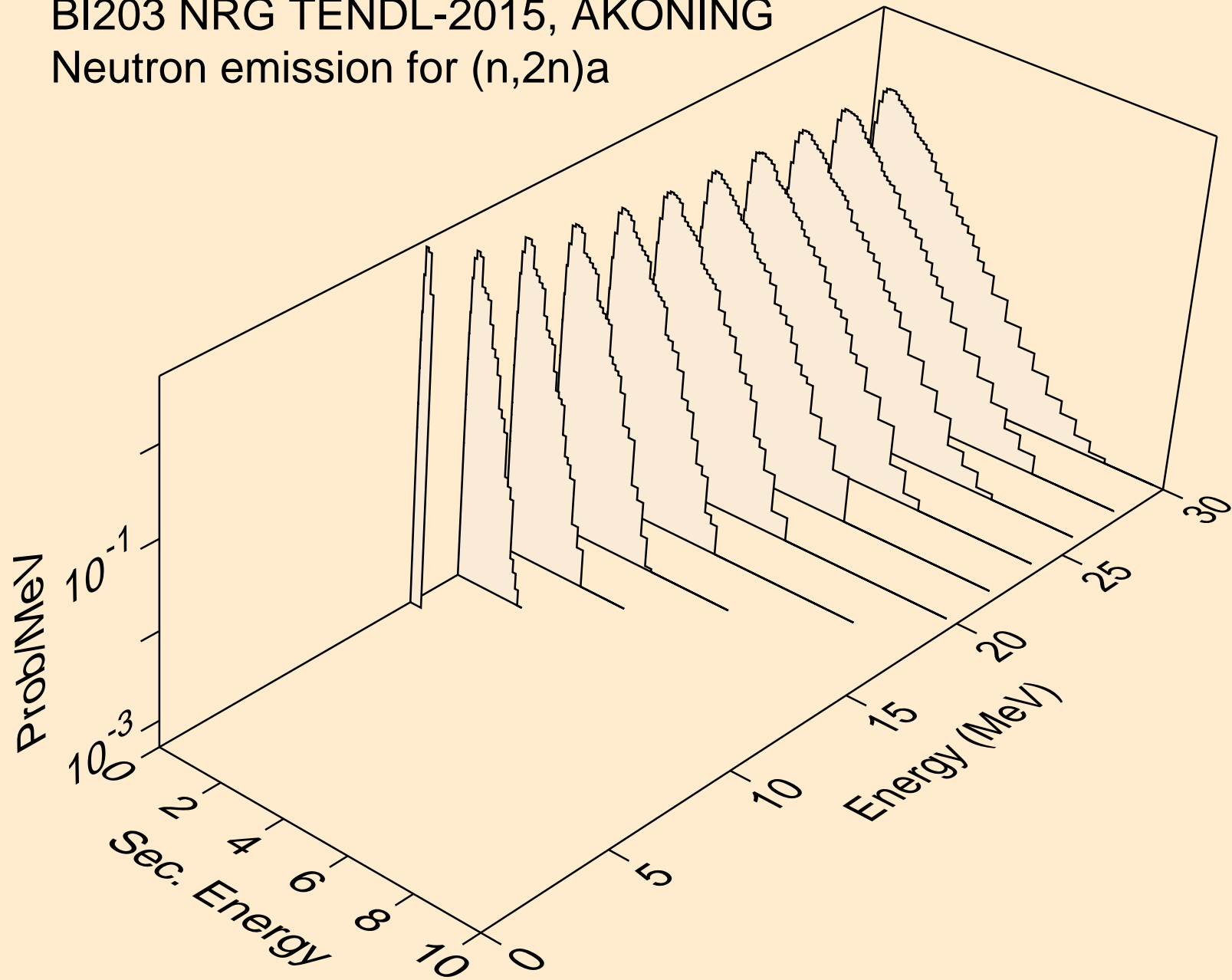




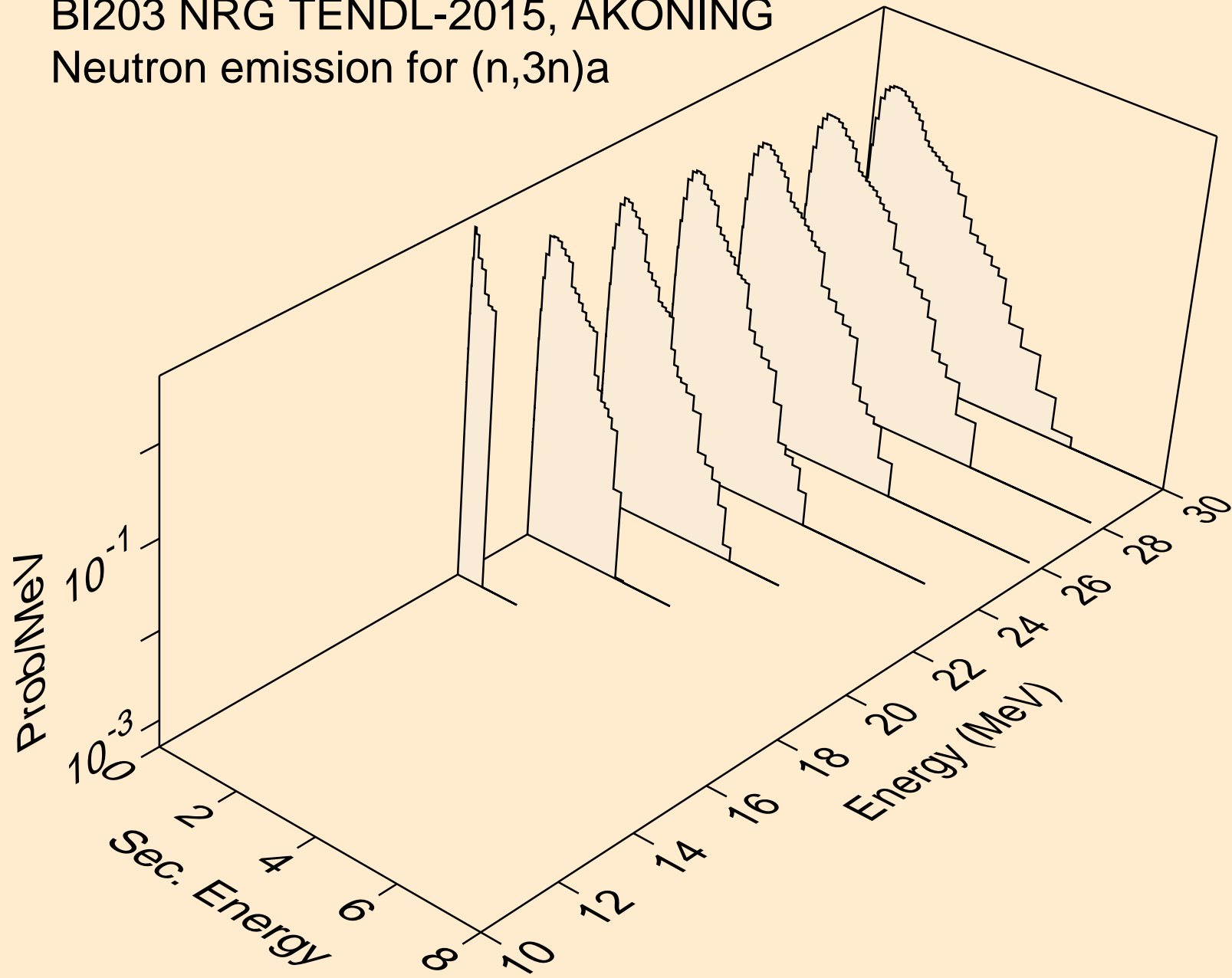
BI203 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



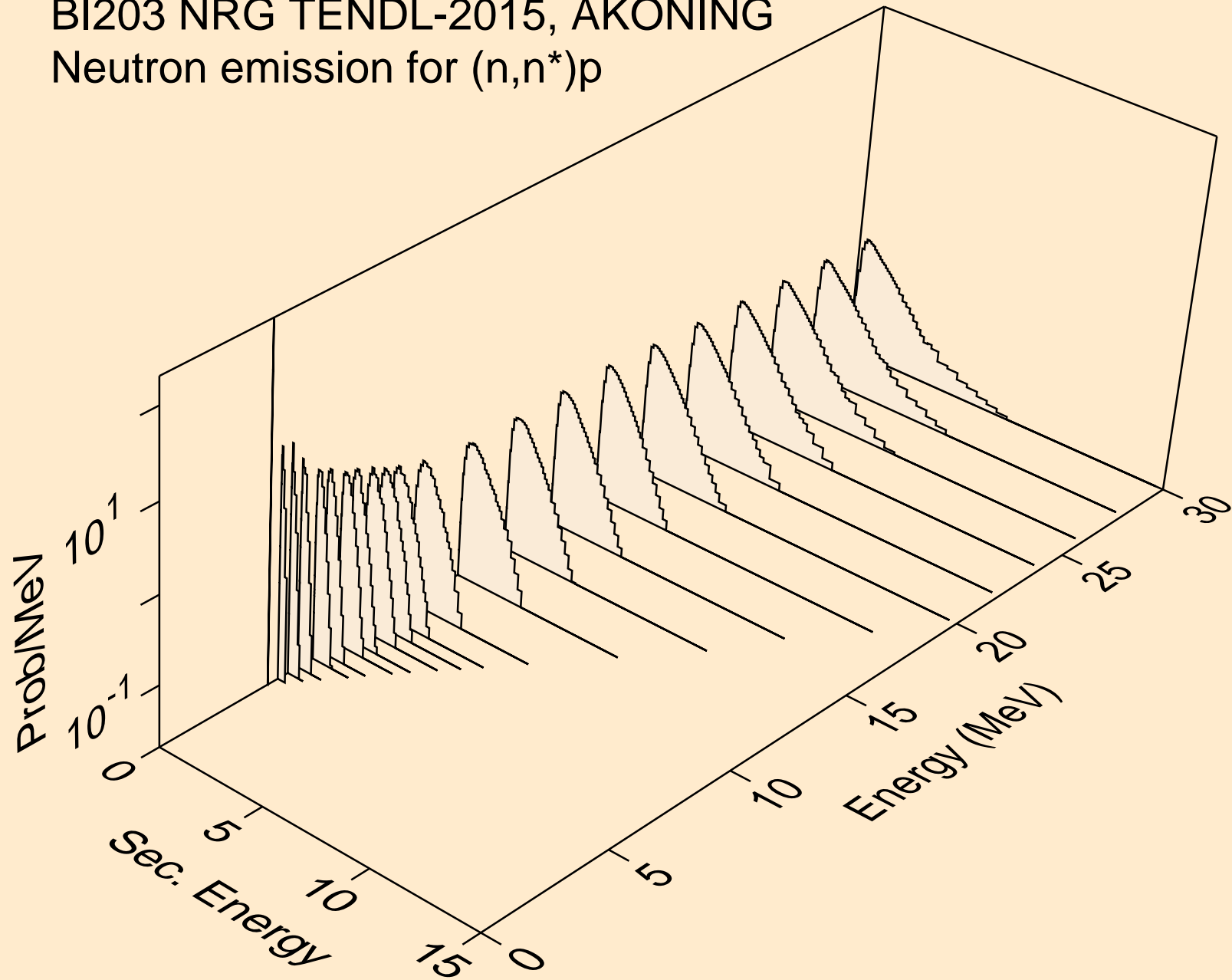
BI203 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



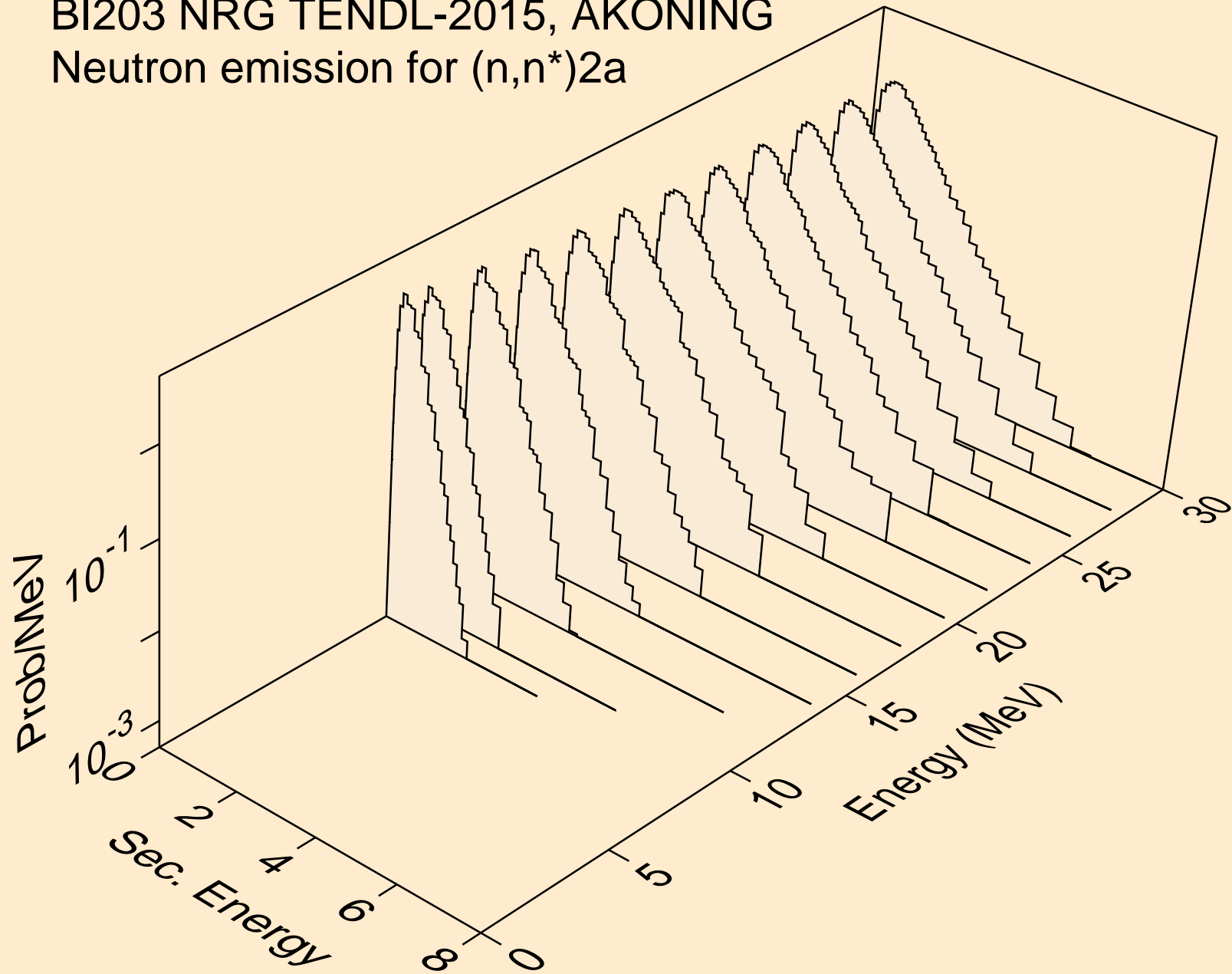
BI203 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



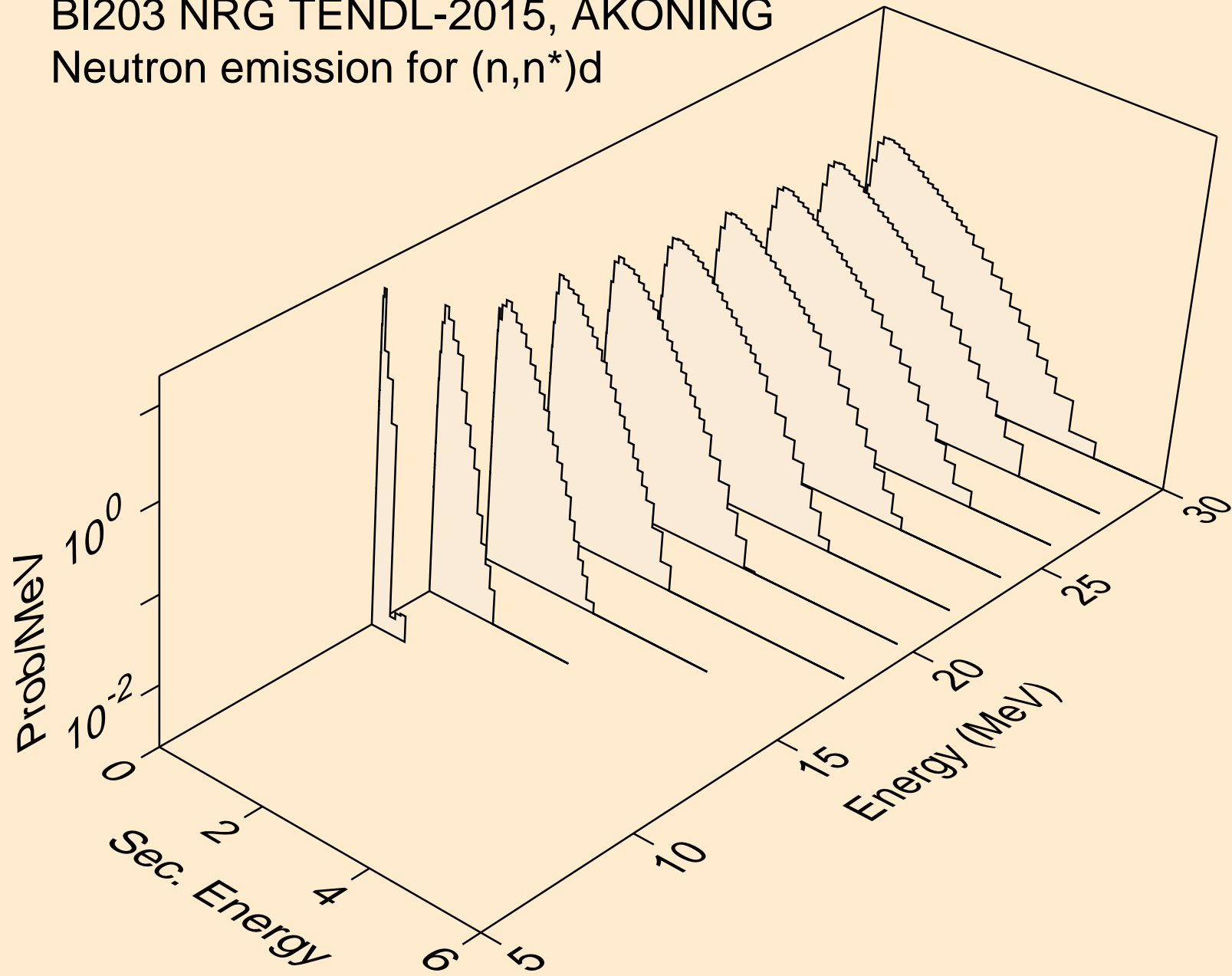
BI203 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



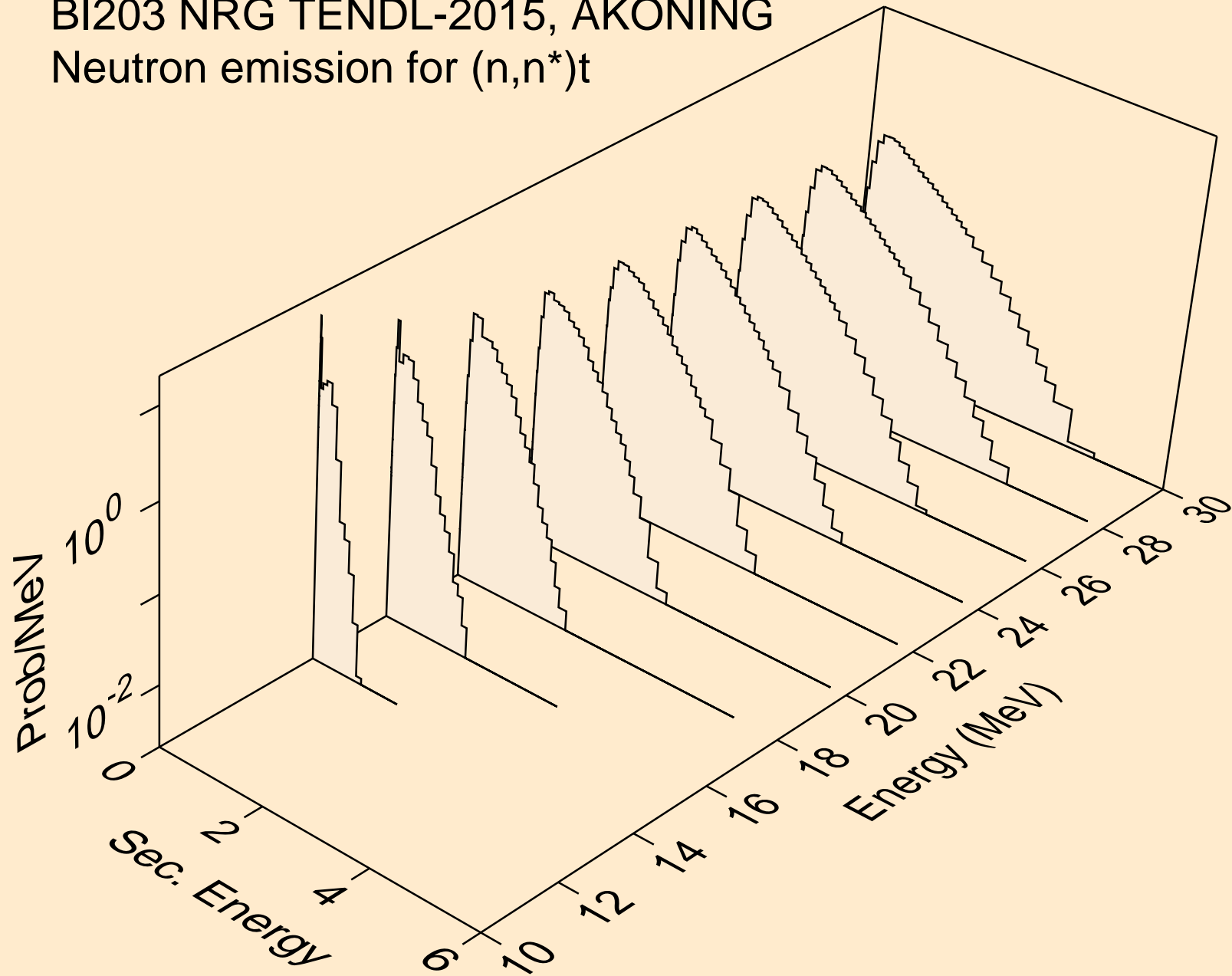
BI203 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



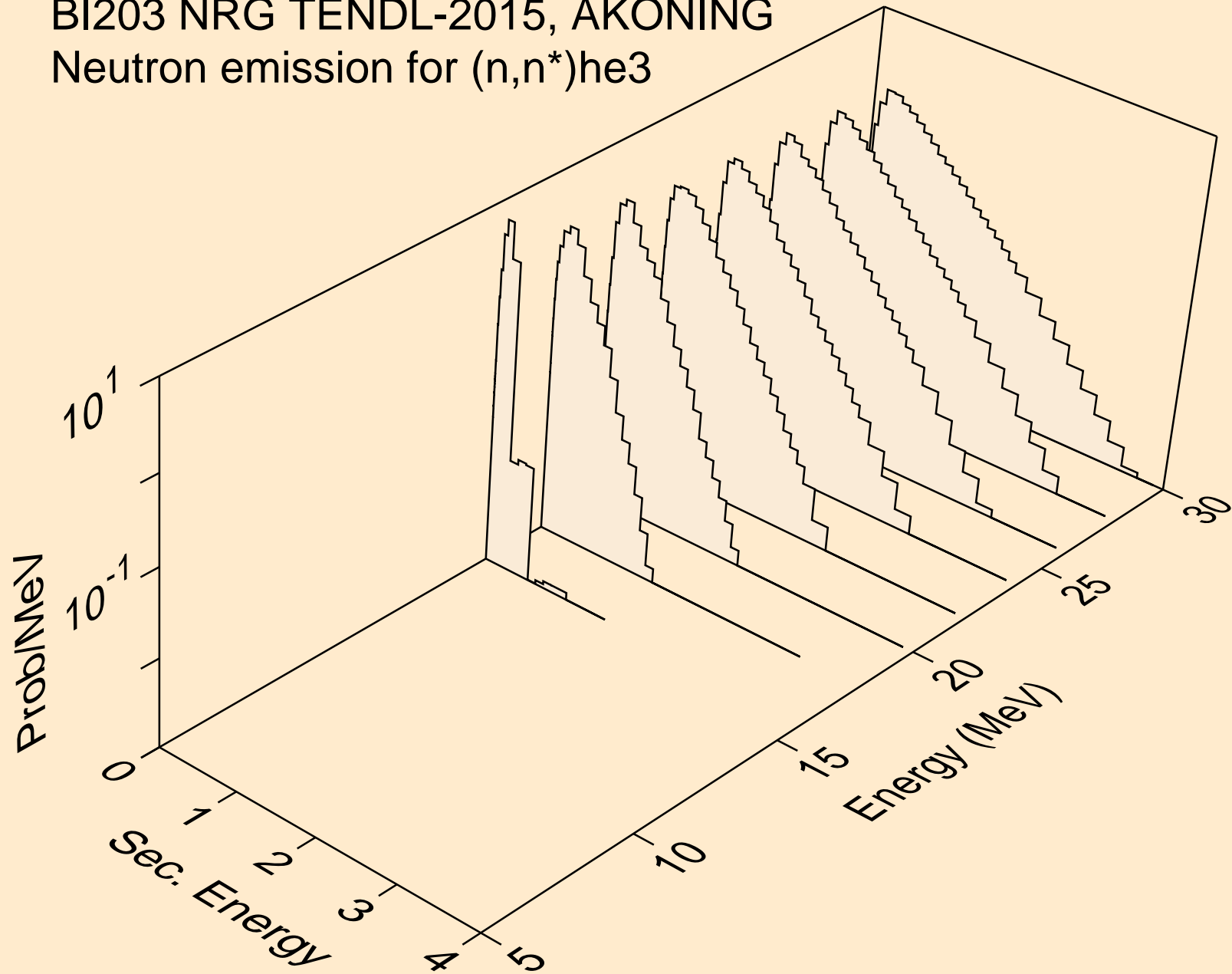
BI203 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



BI203 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t

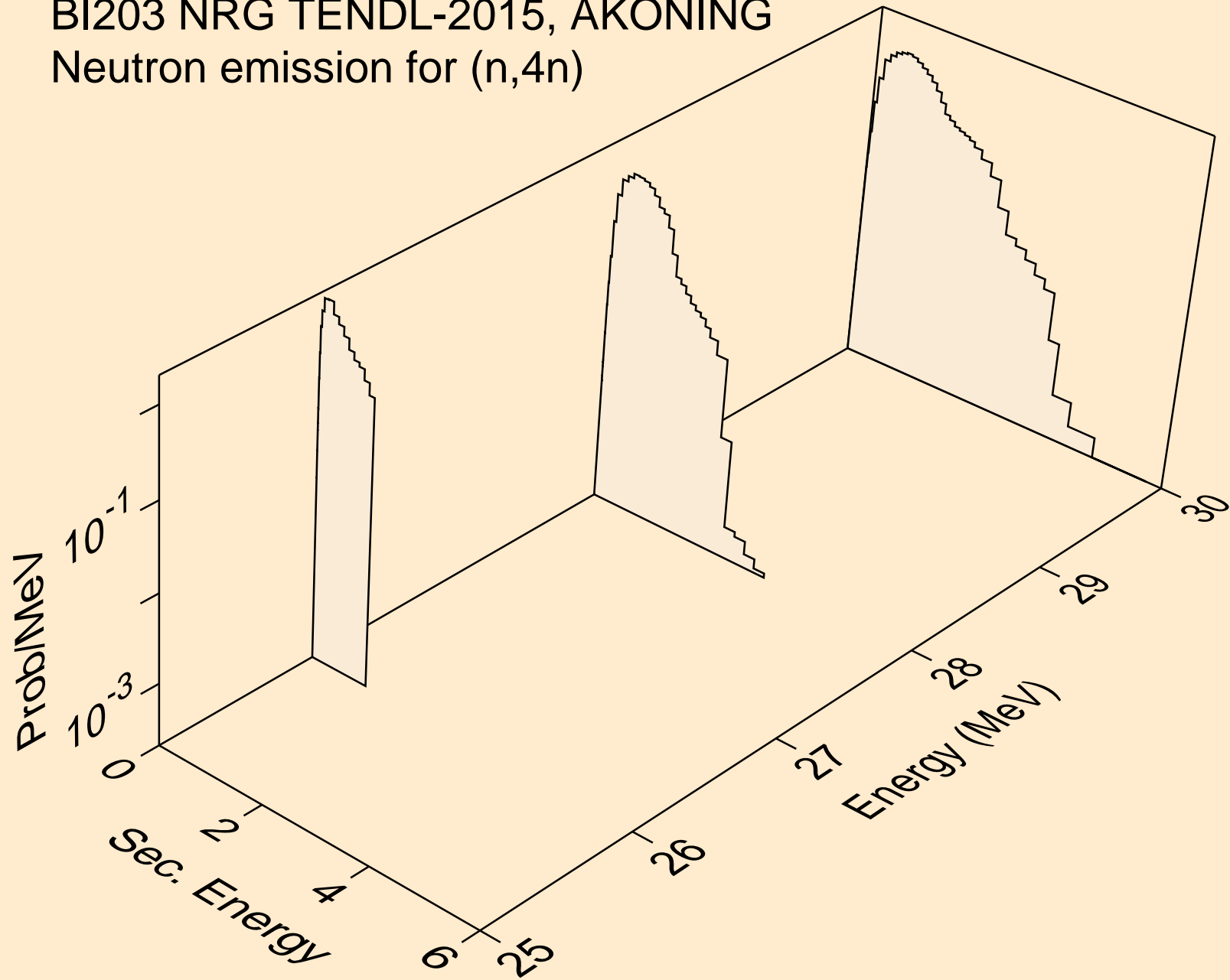


BI203 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3

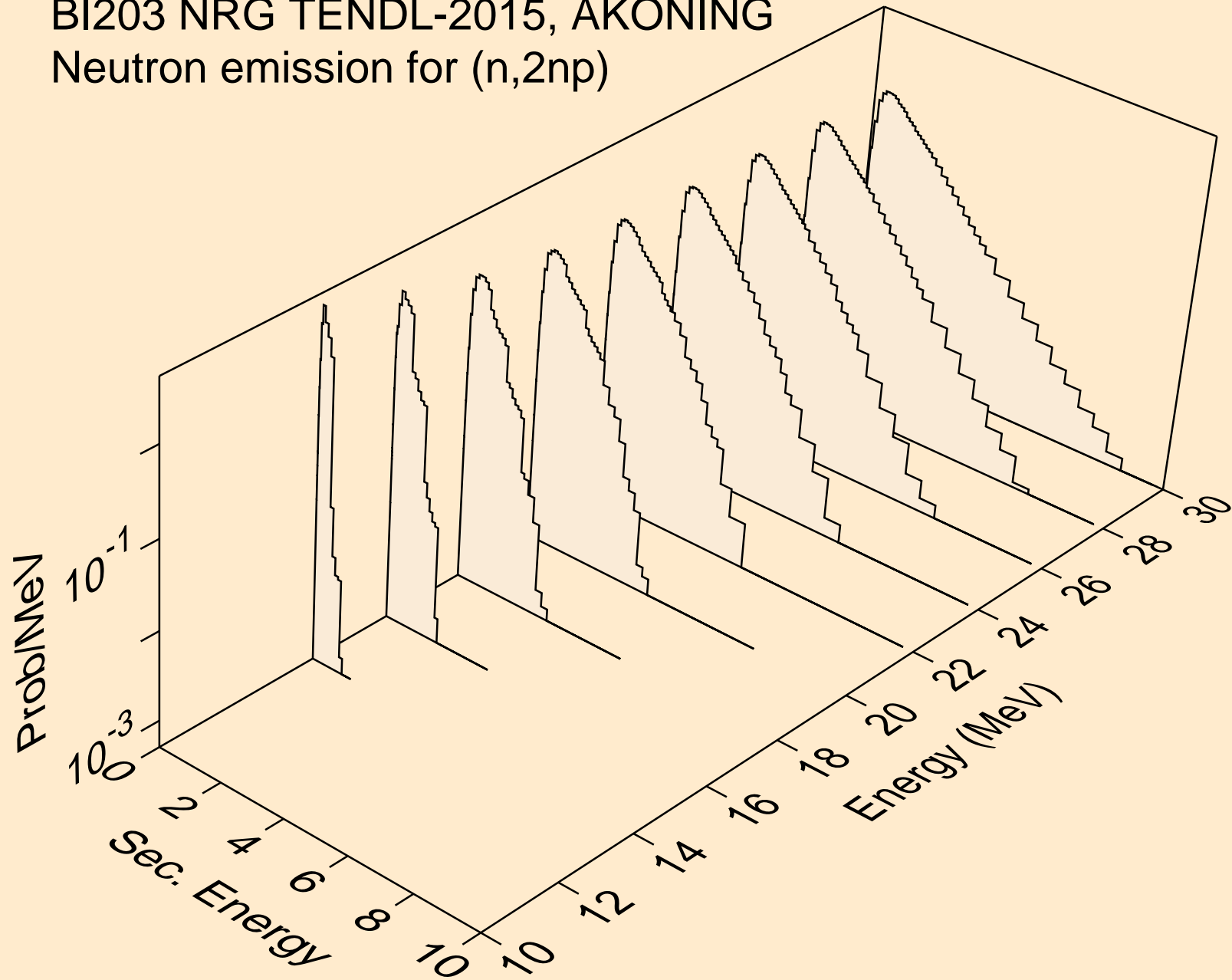




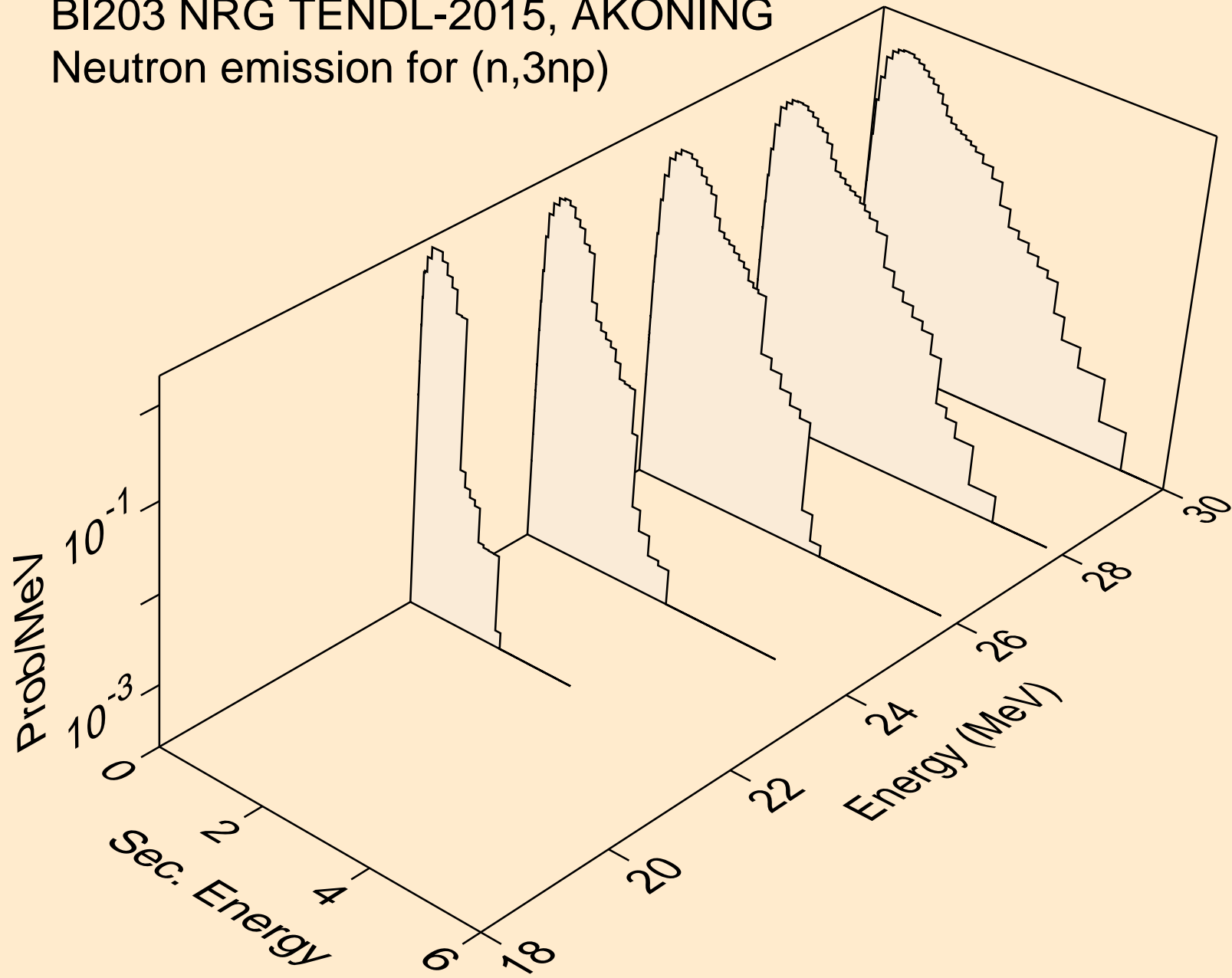
BI203 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



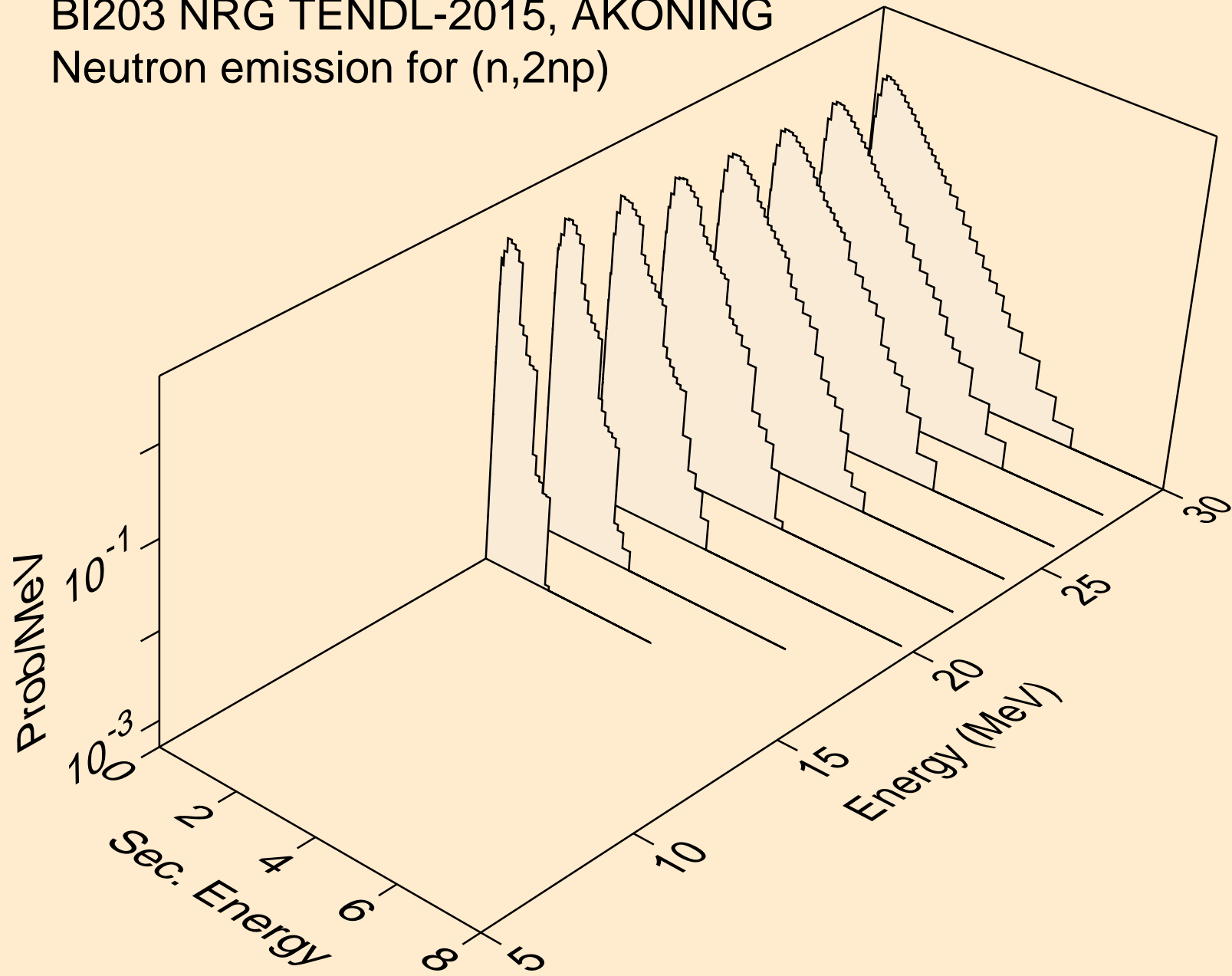
BI203 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



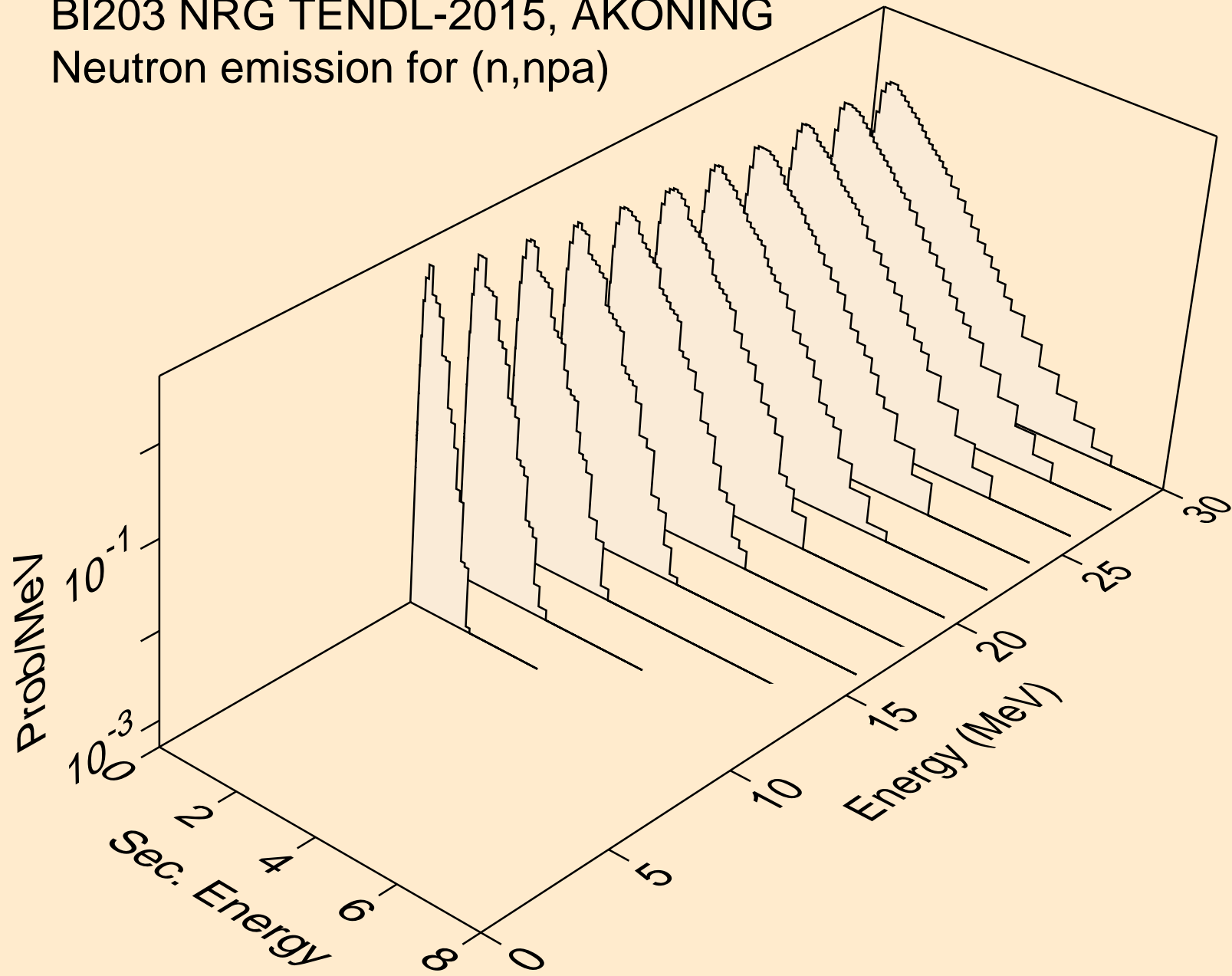
BI203 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



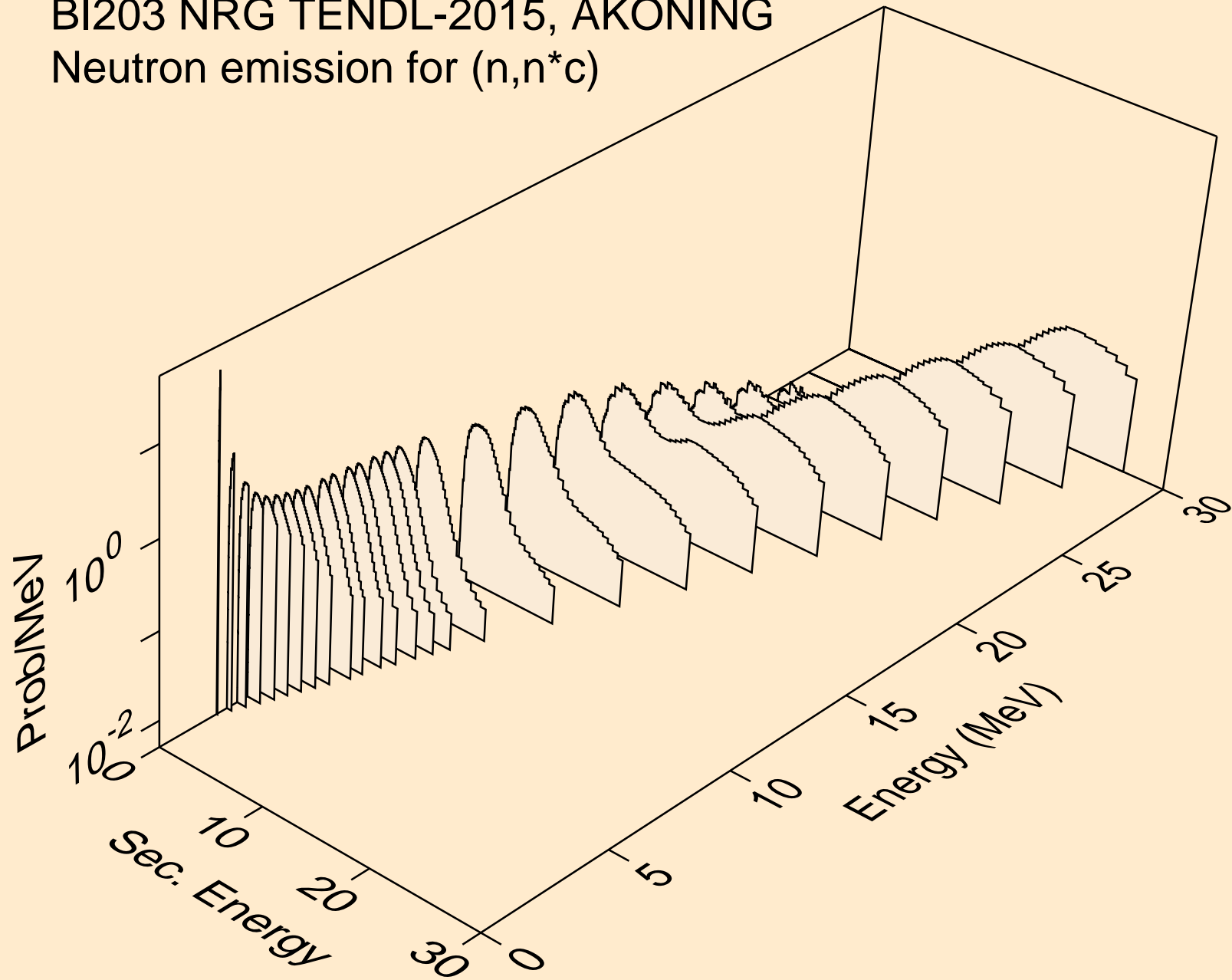
BI203 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



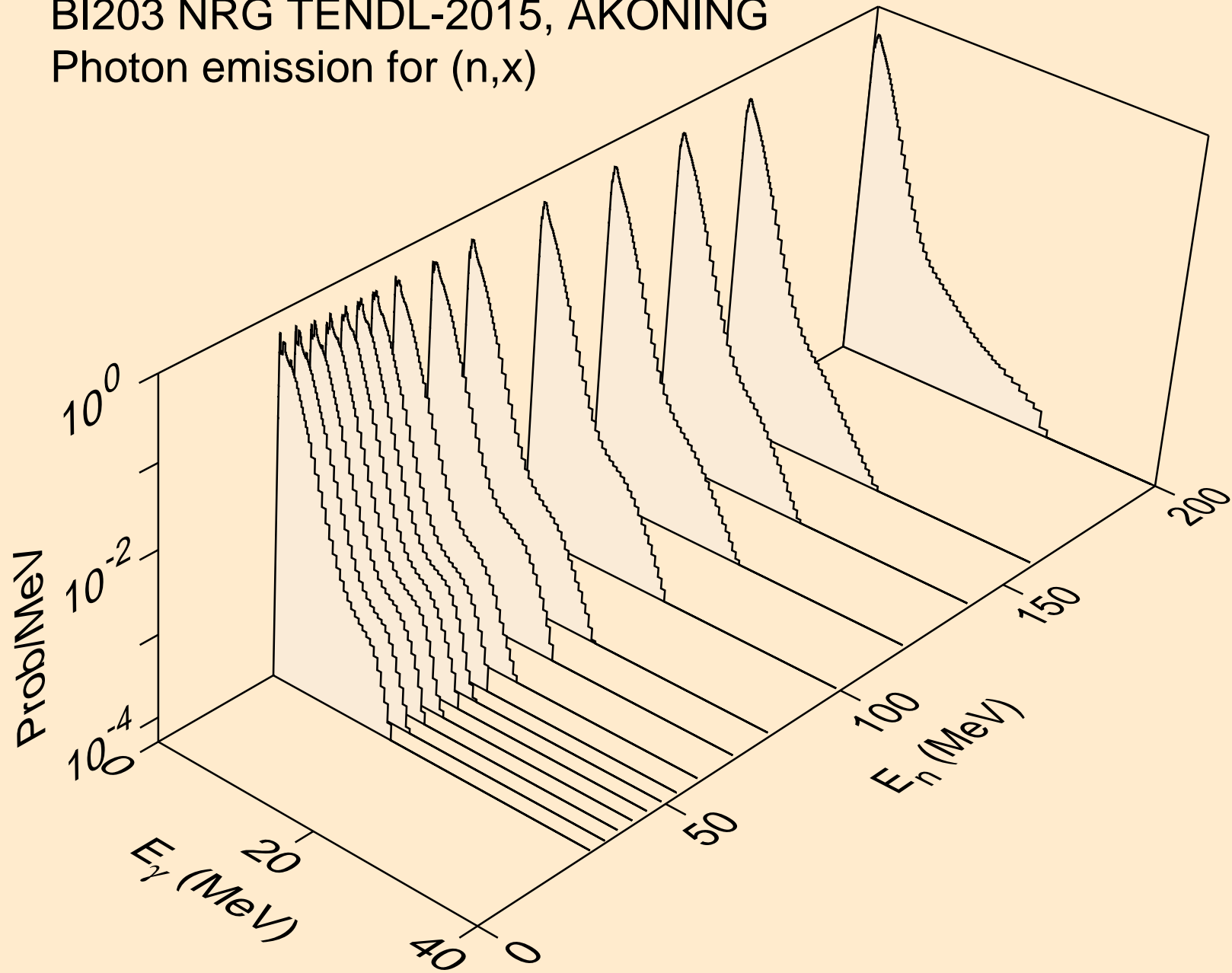
BI203 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



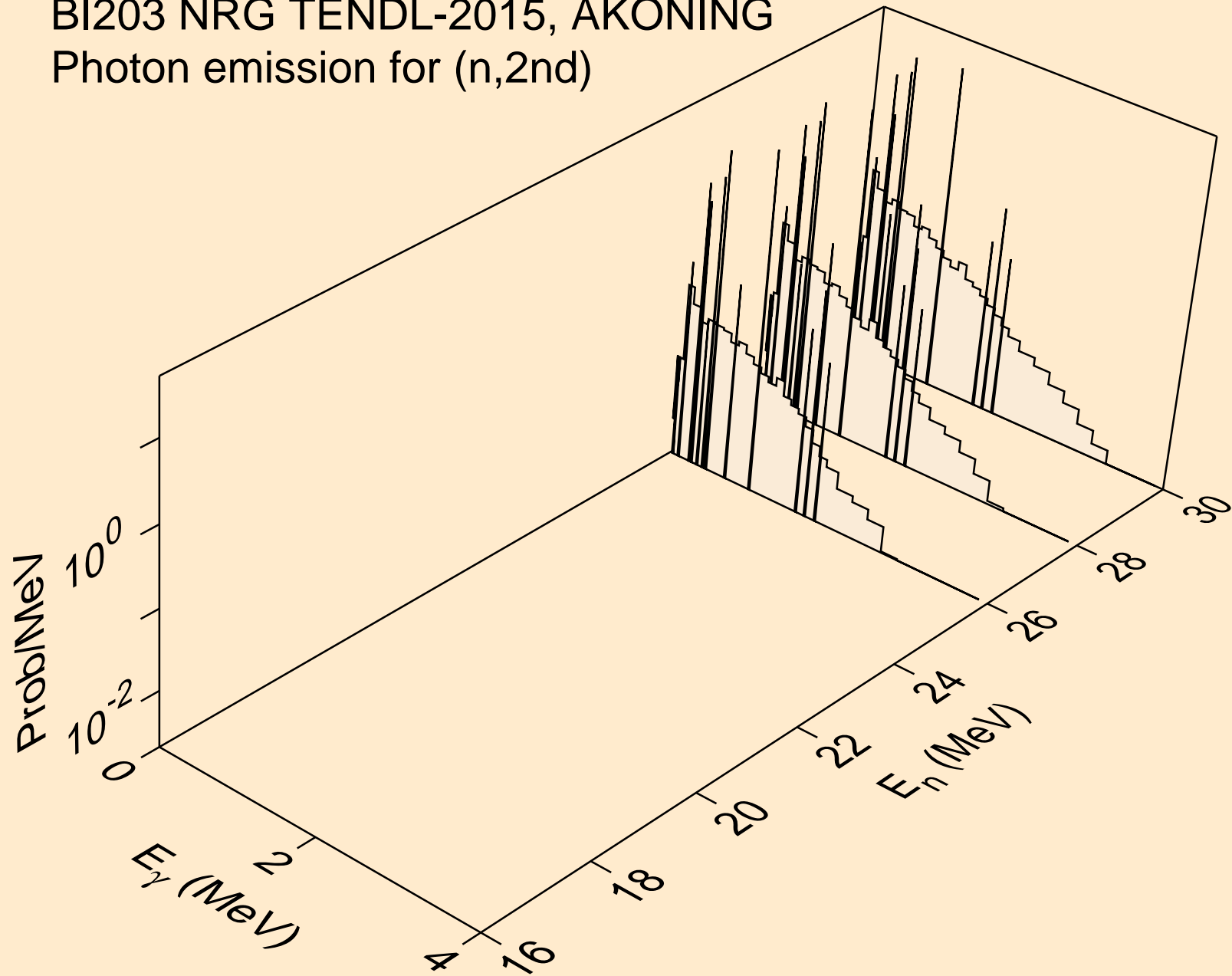
BI203 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



BI203 NRG TENDL-2015, AKONING  
Photon emission for (n,x)

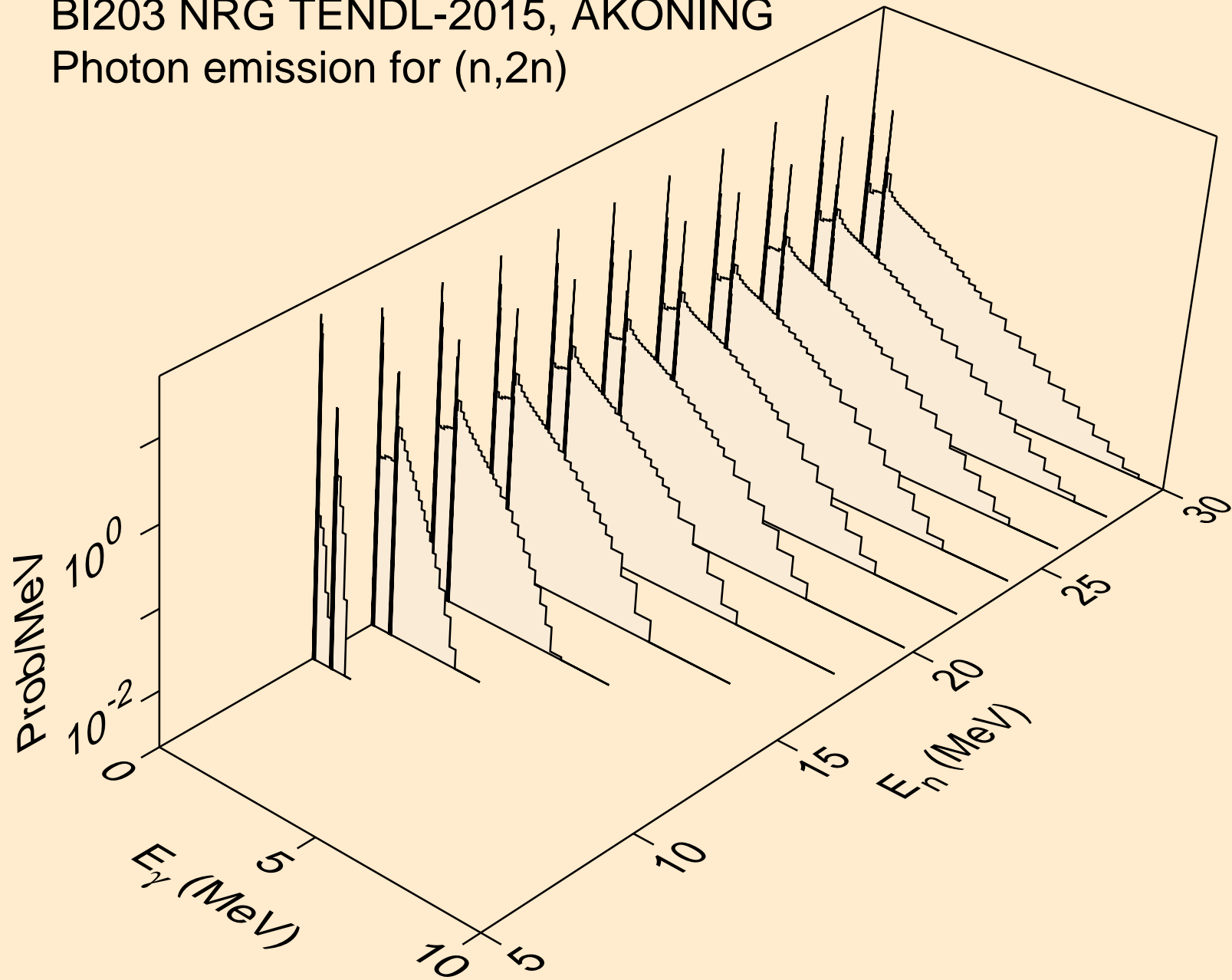


BI203 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)

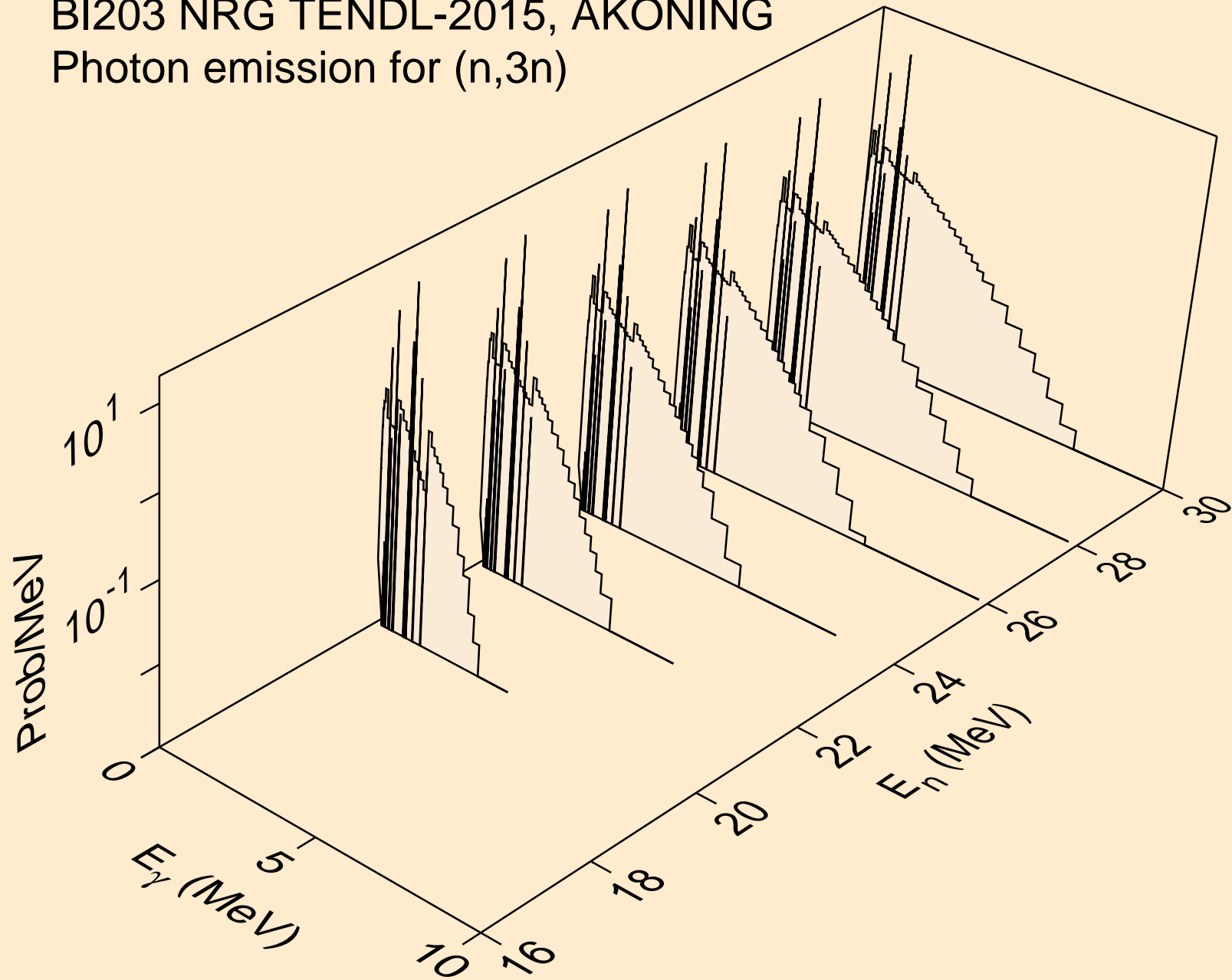




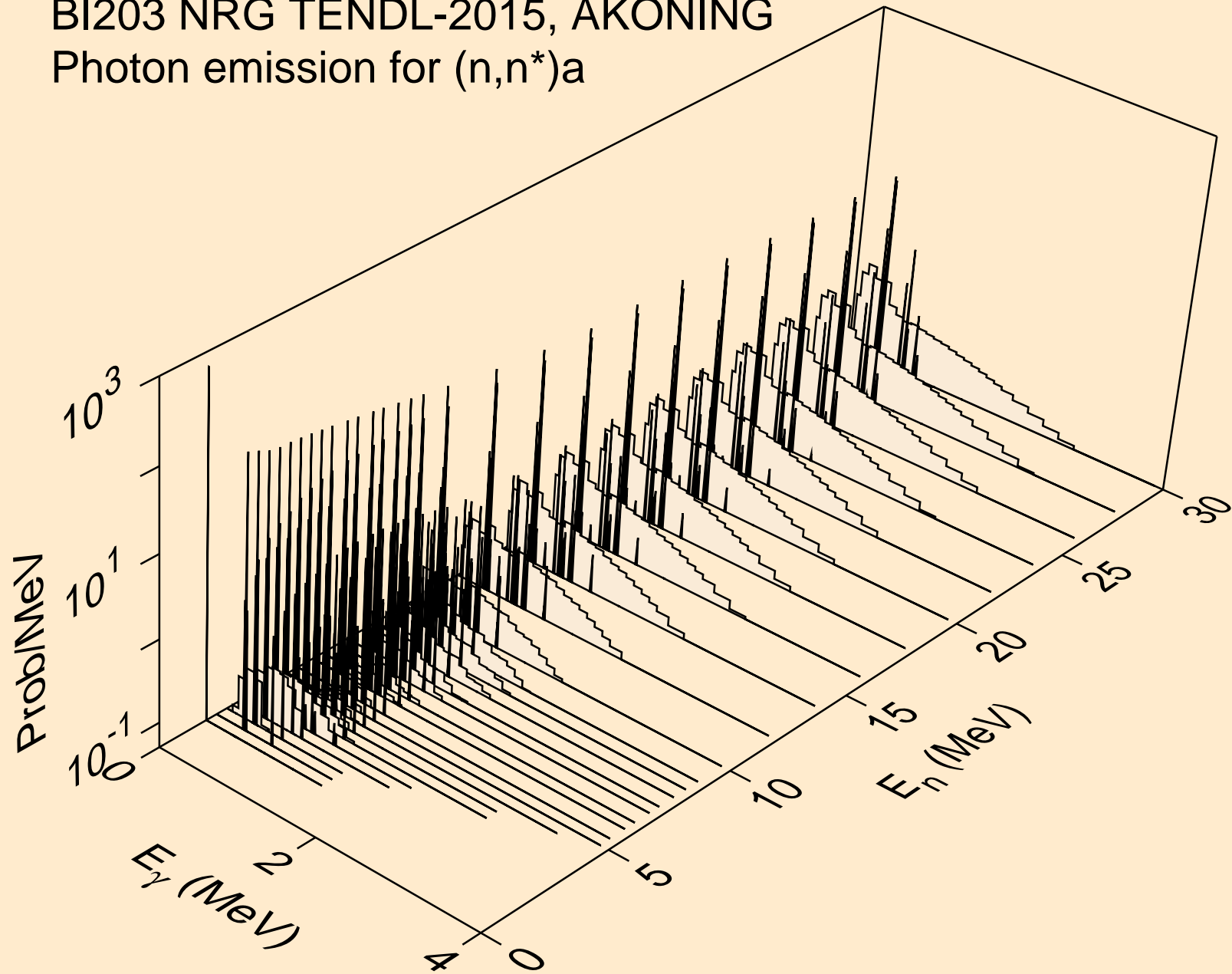
BI203 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



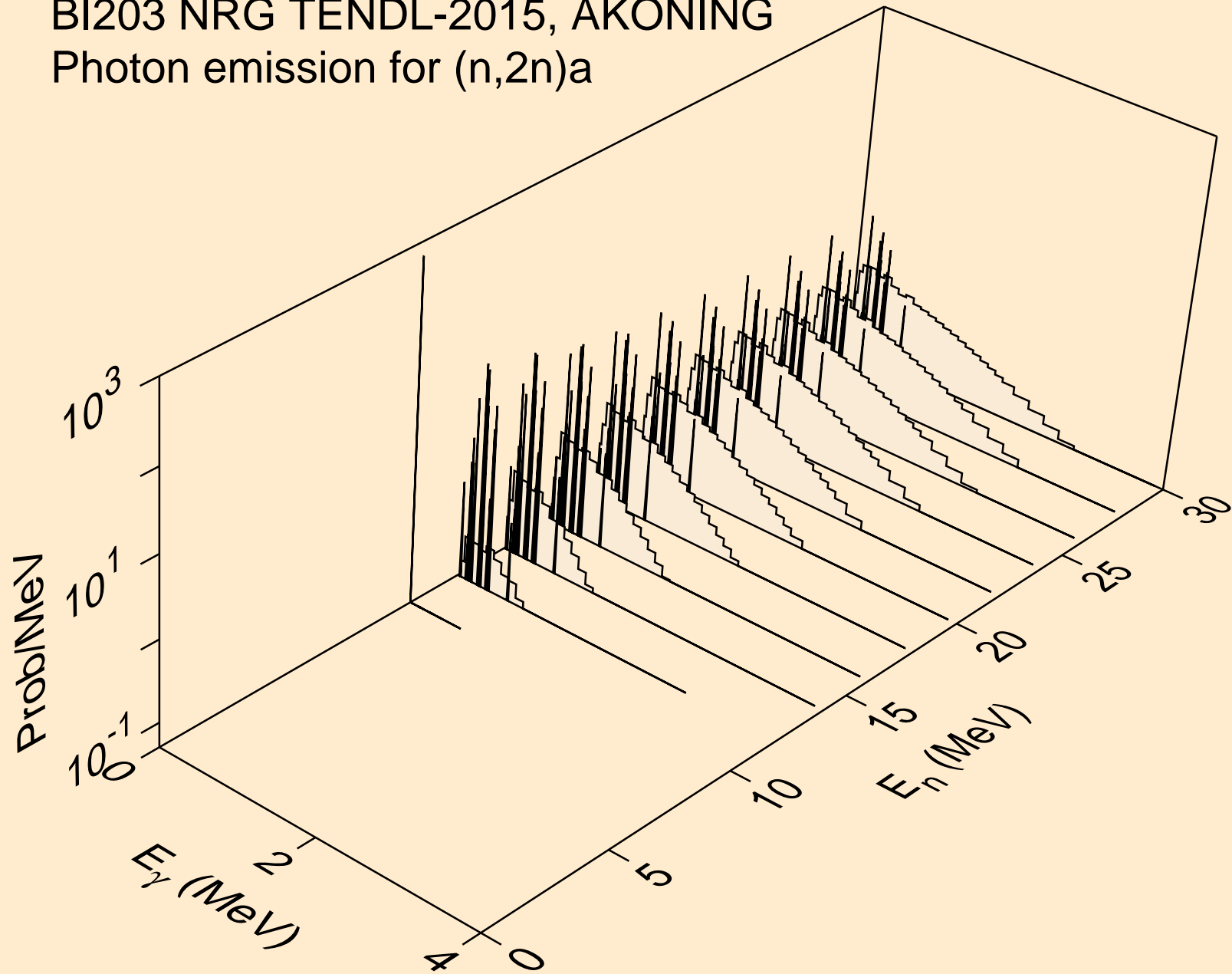
BI203 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



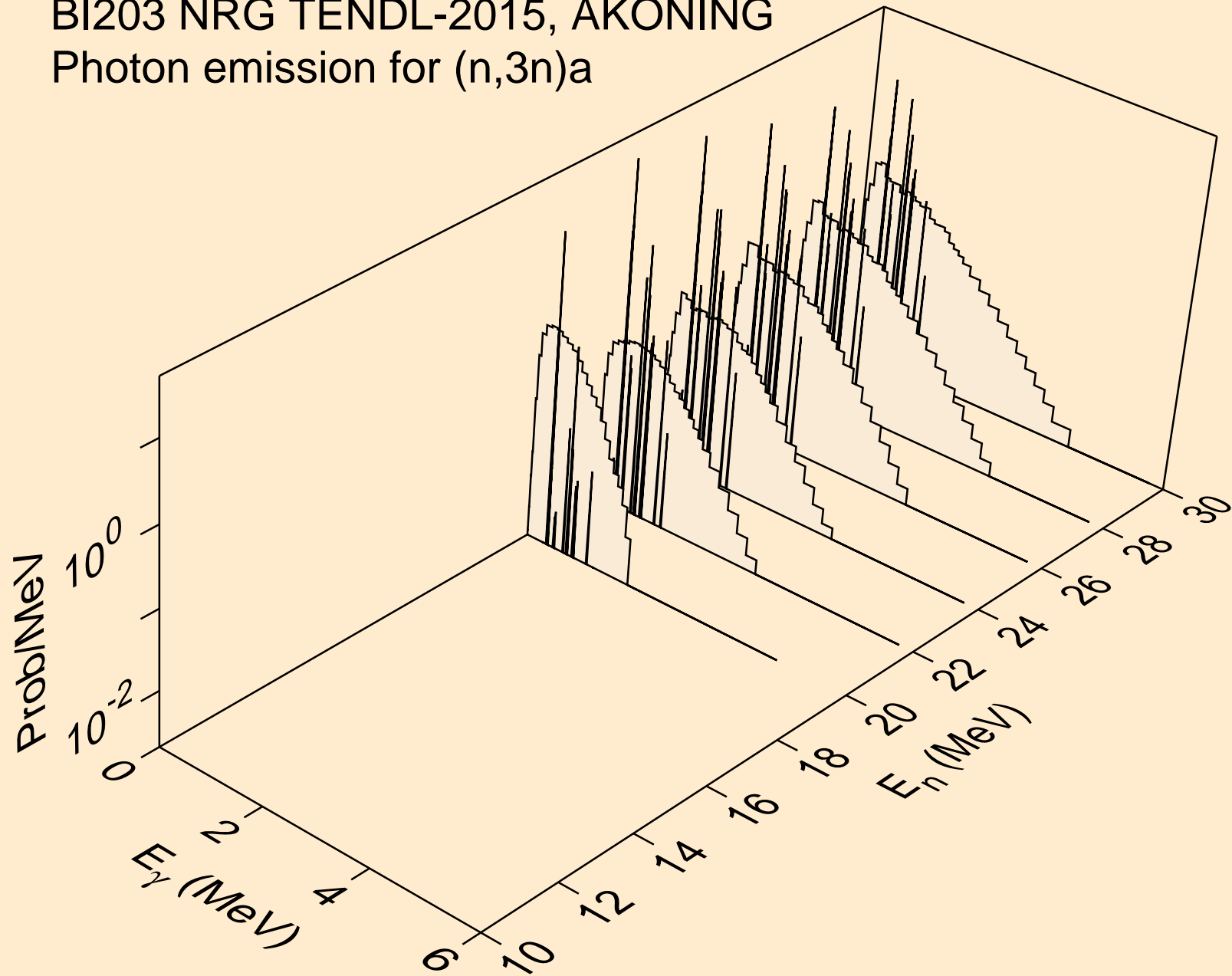
BI203 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



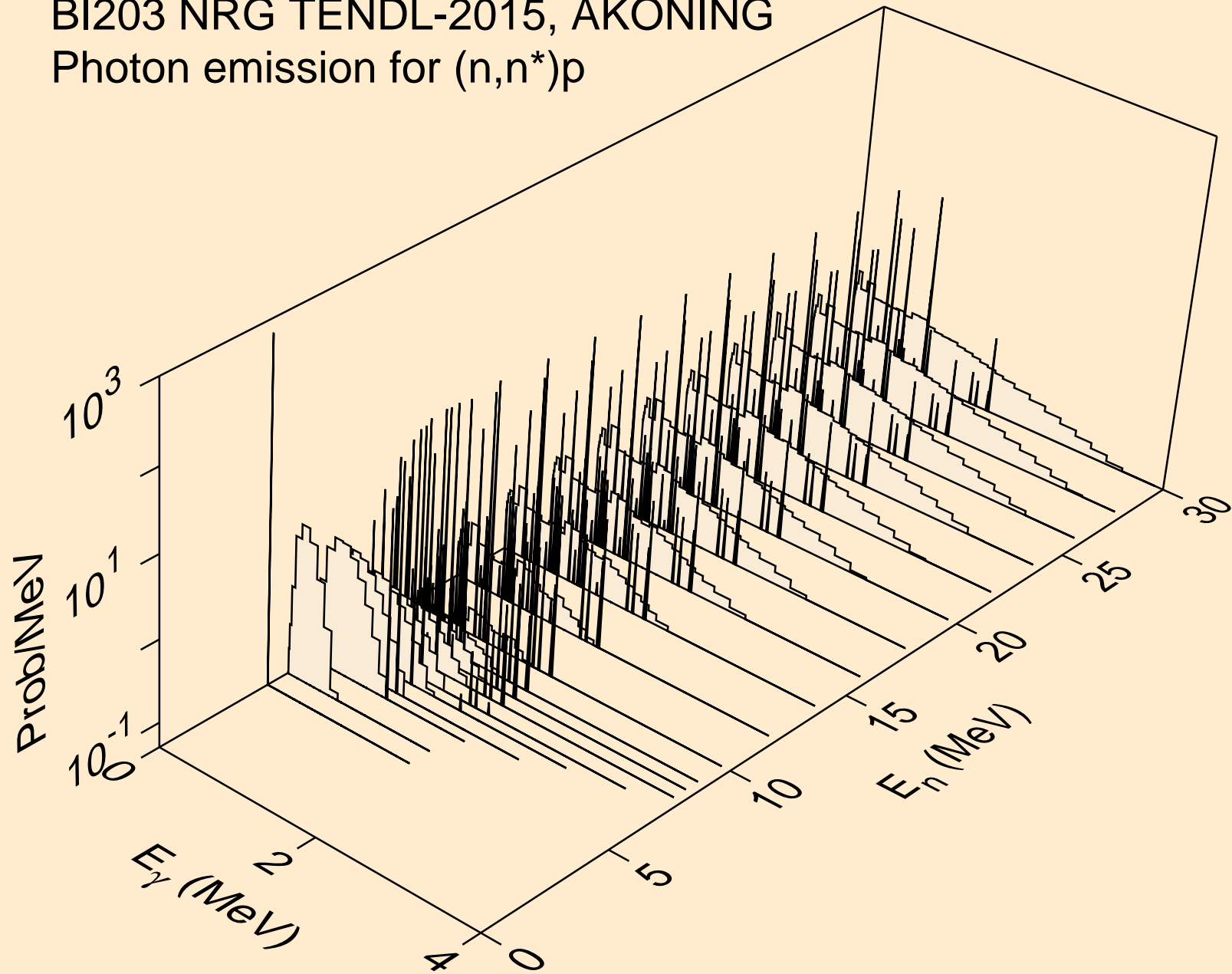
BI203 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



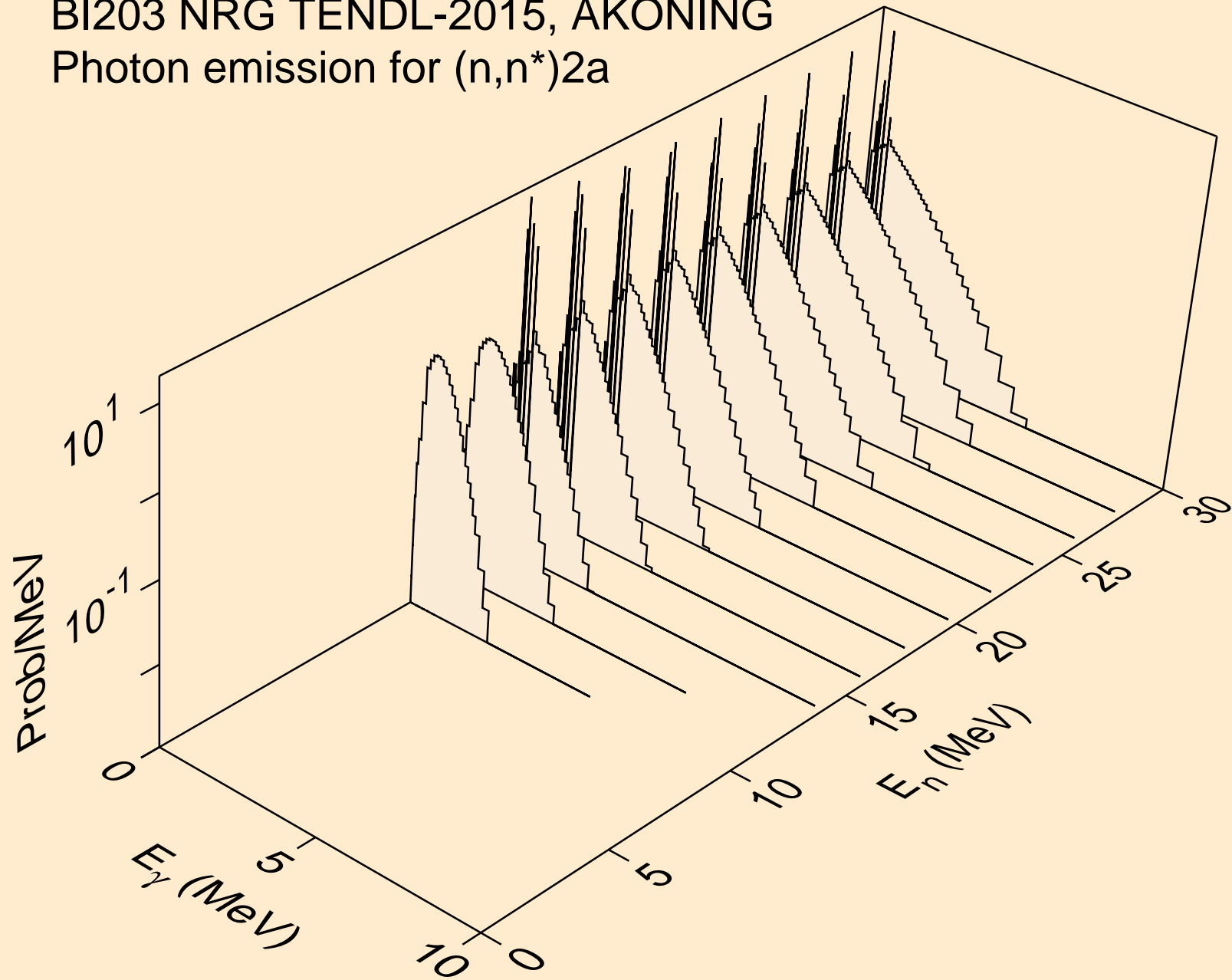
BI203 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



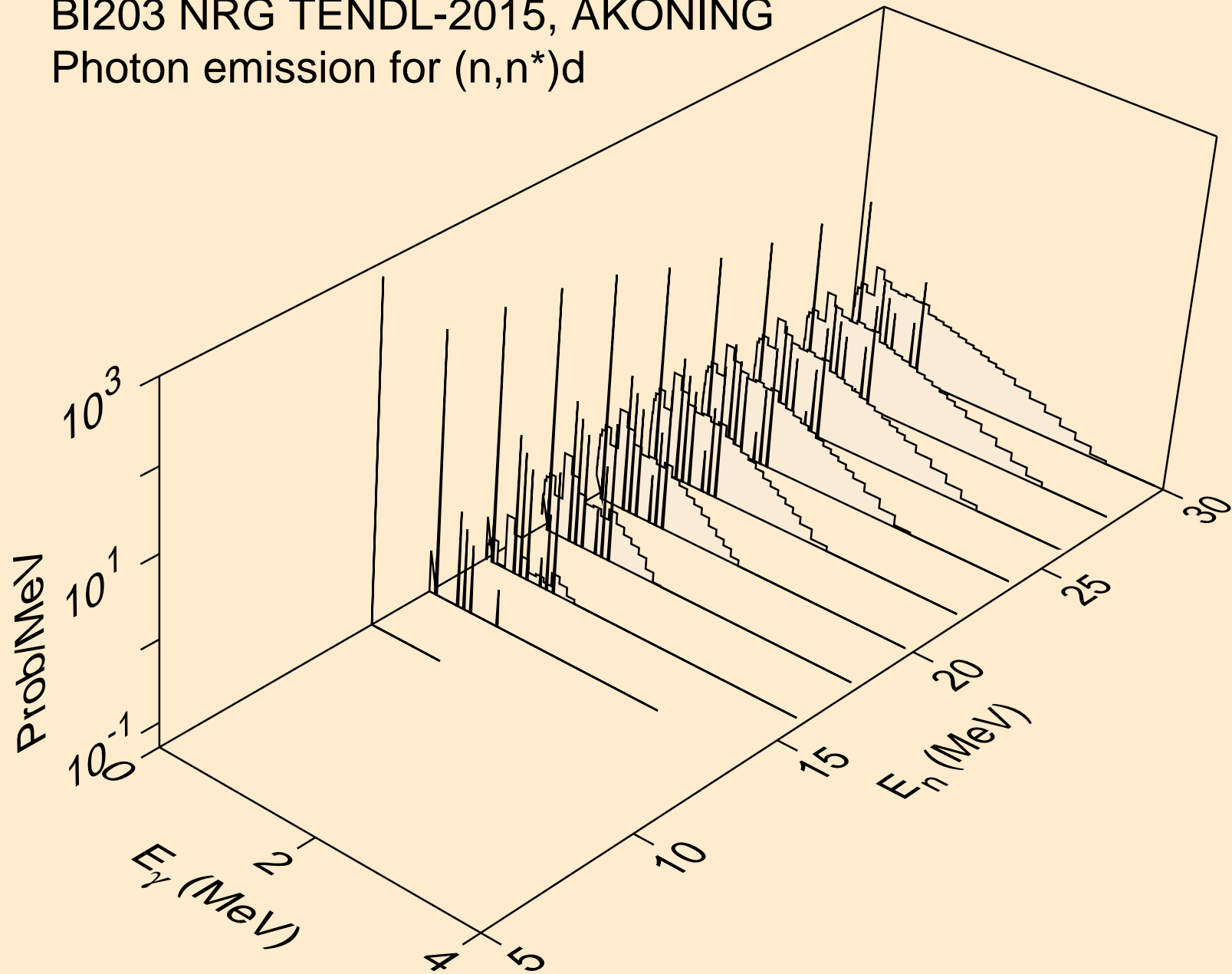
BI203 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



BI203 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a

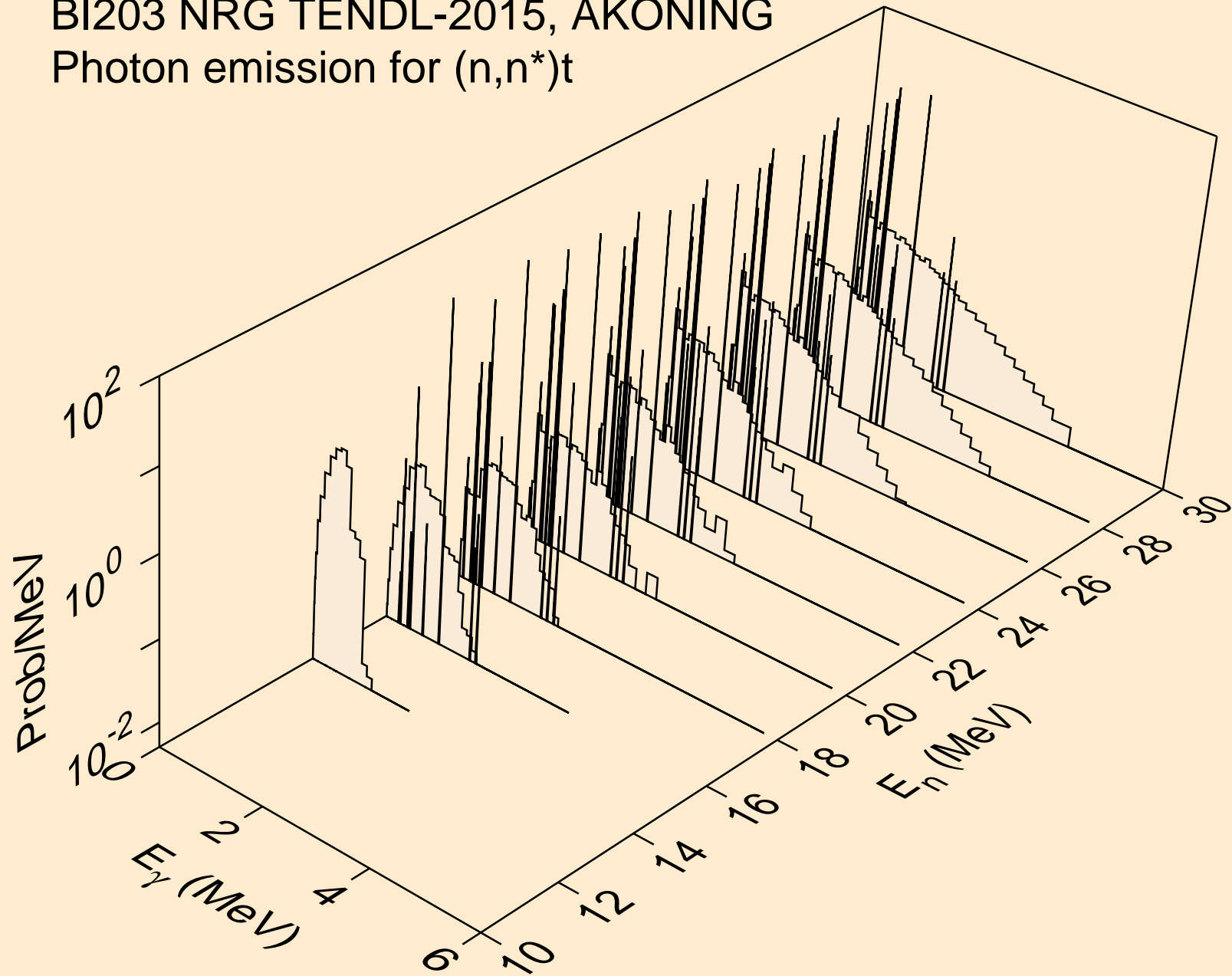


BI203 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d

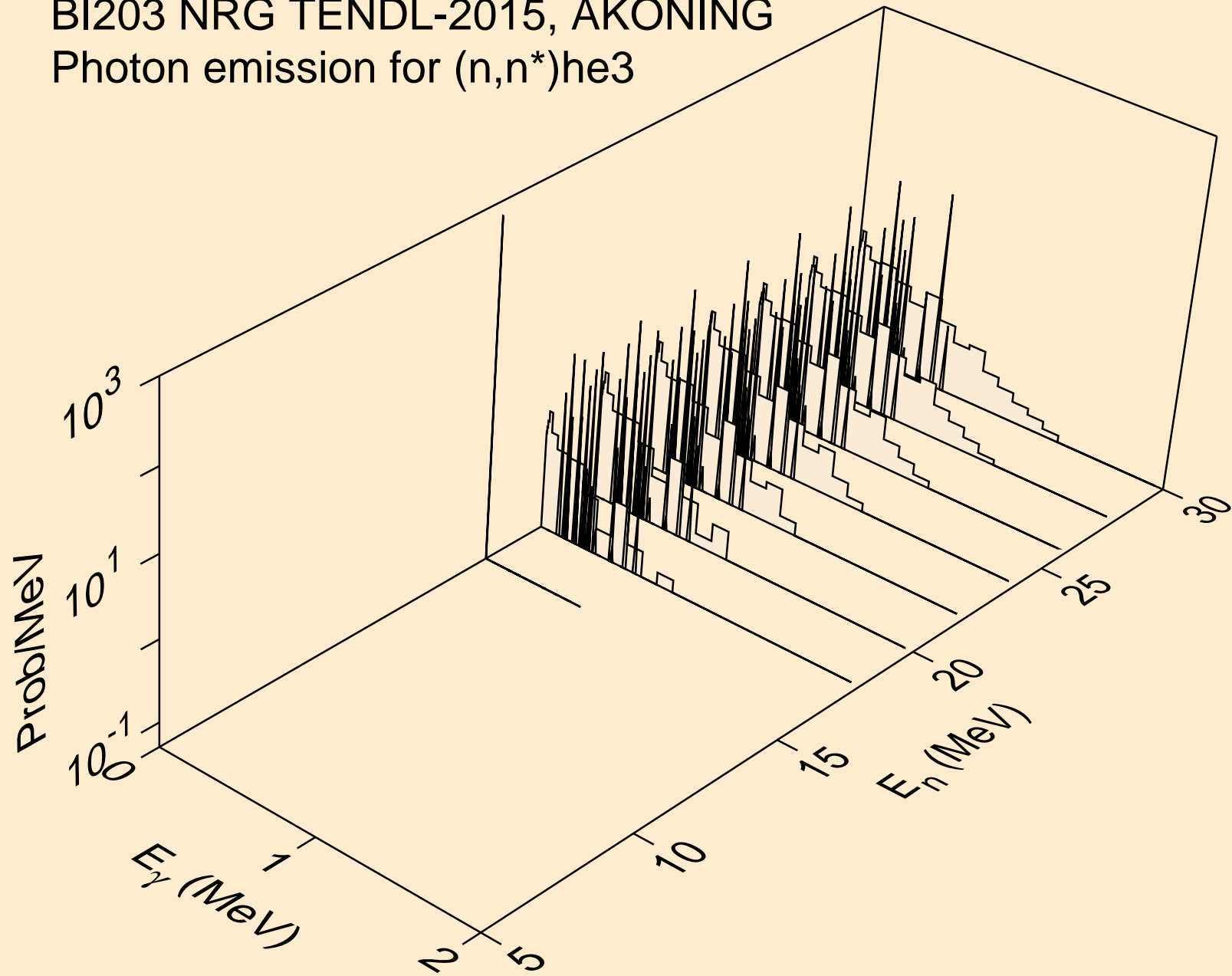




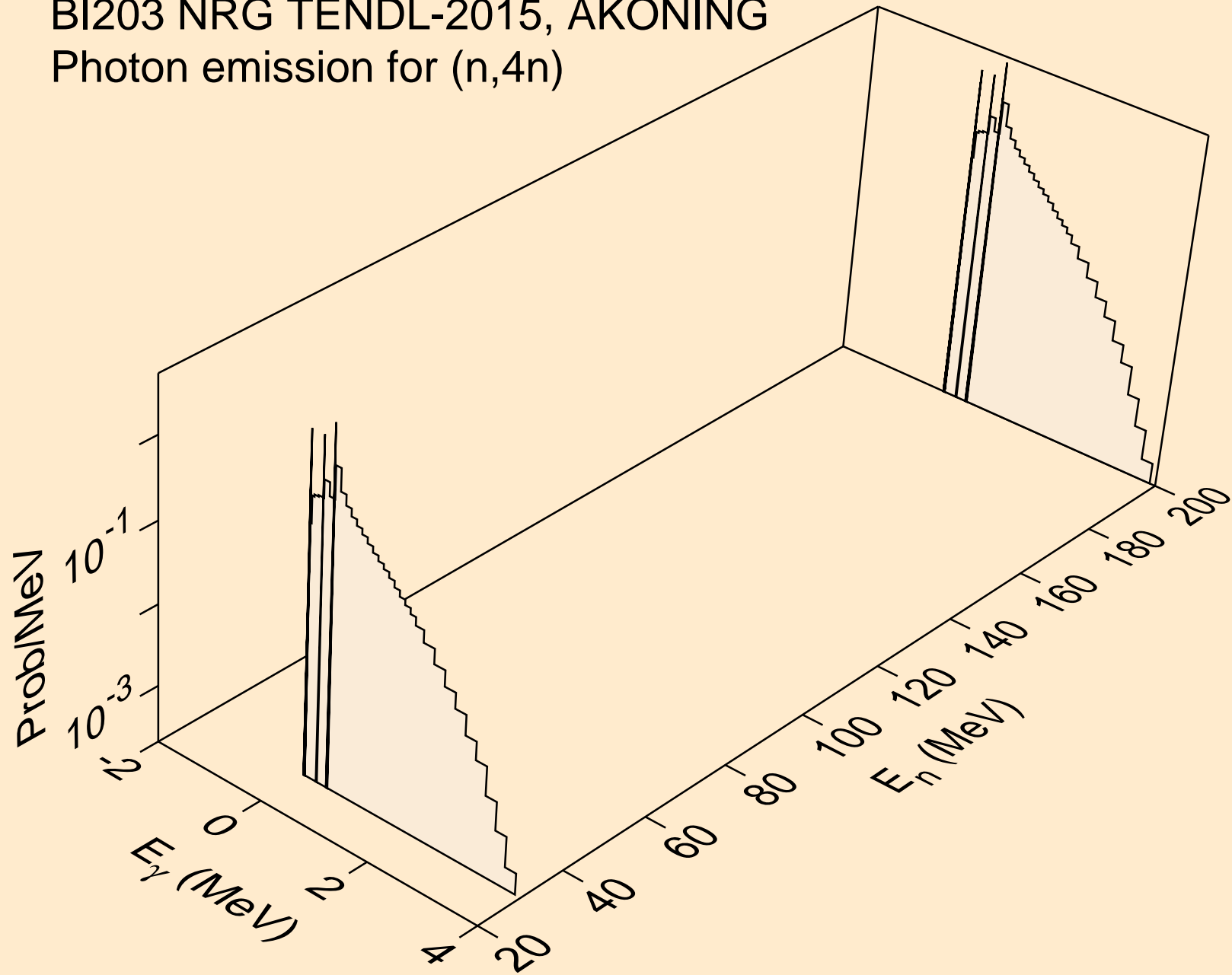
BI203 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



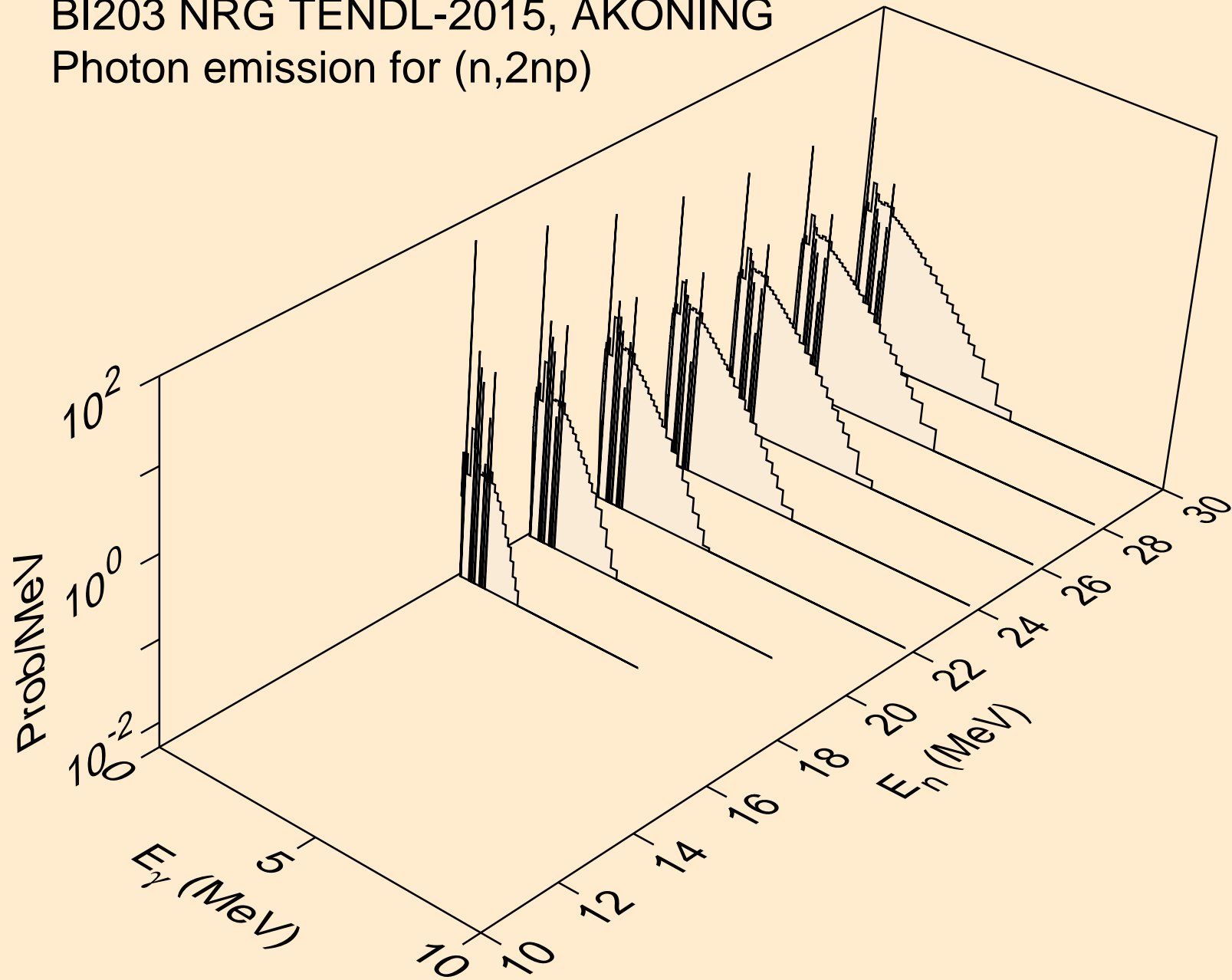
BI203 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



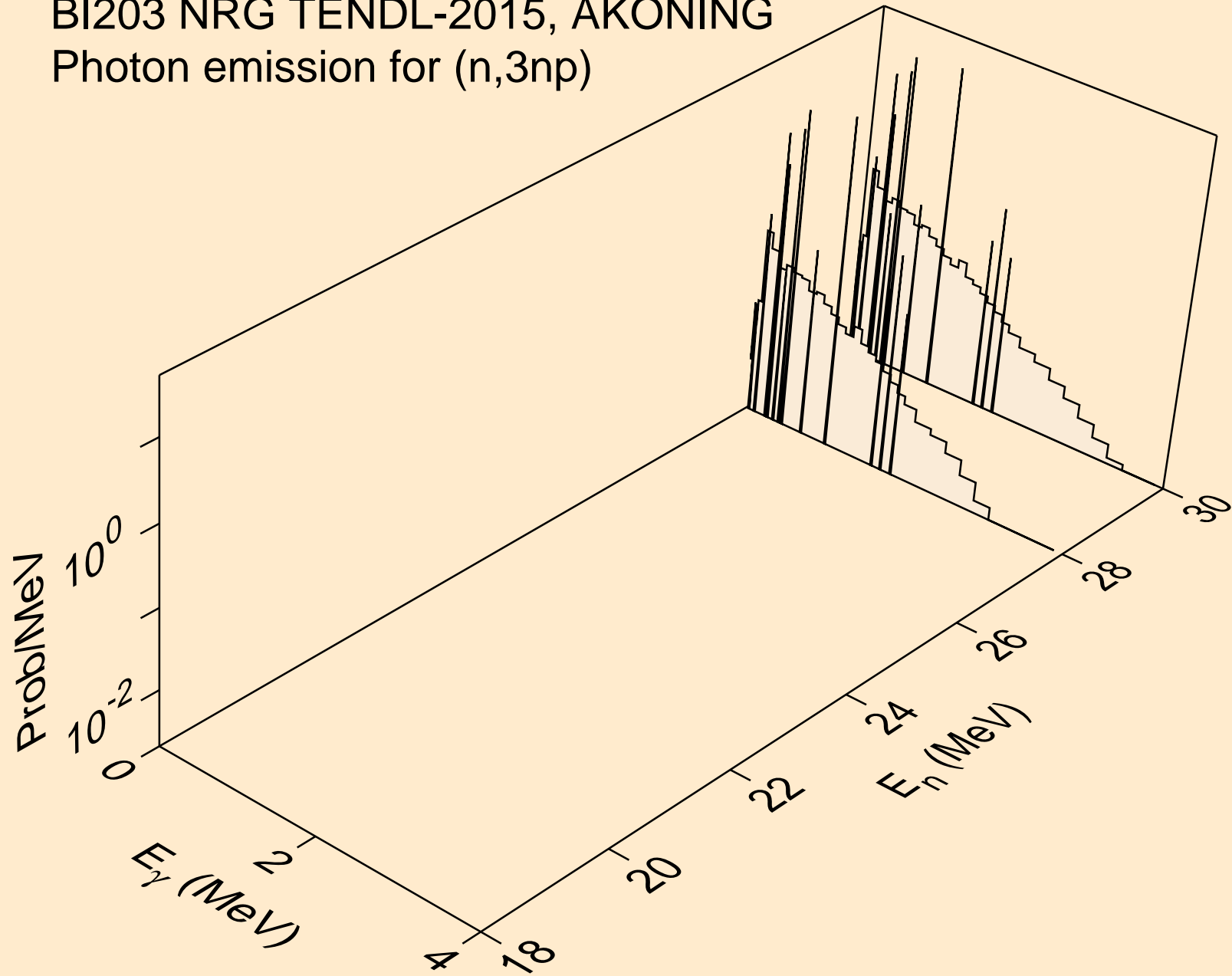
BI203 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



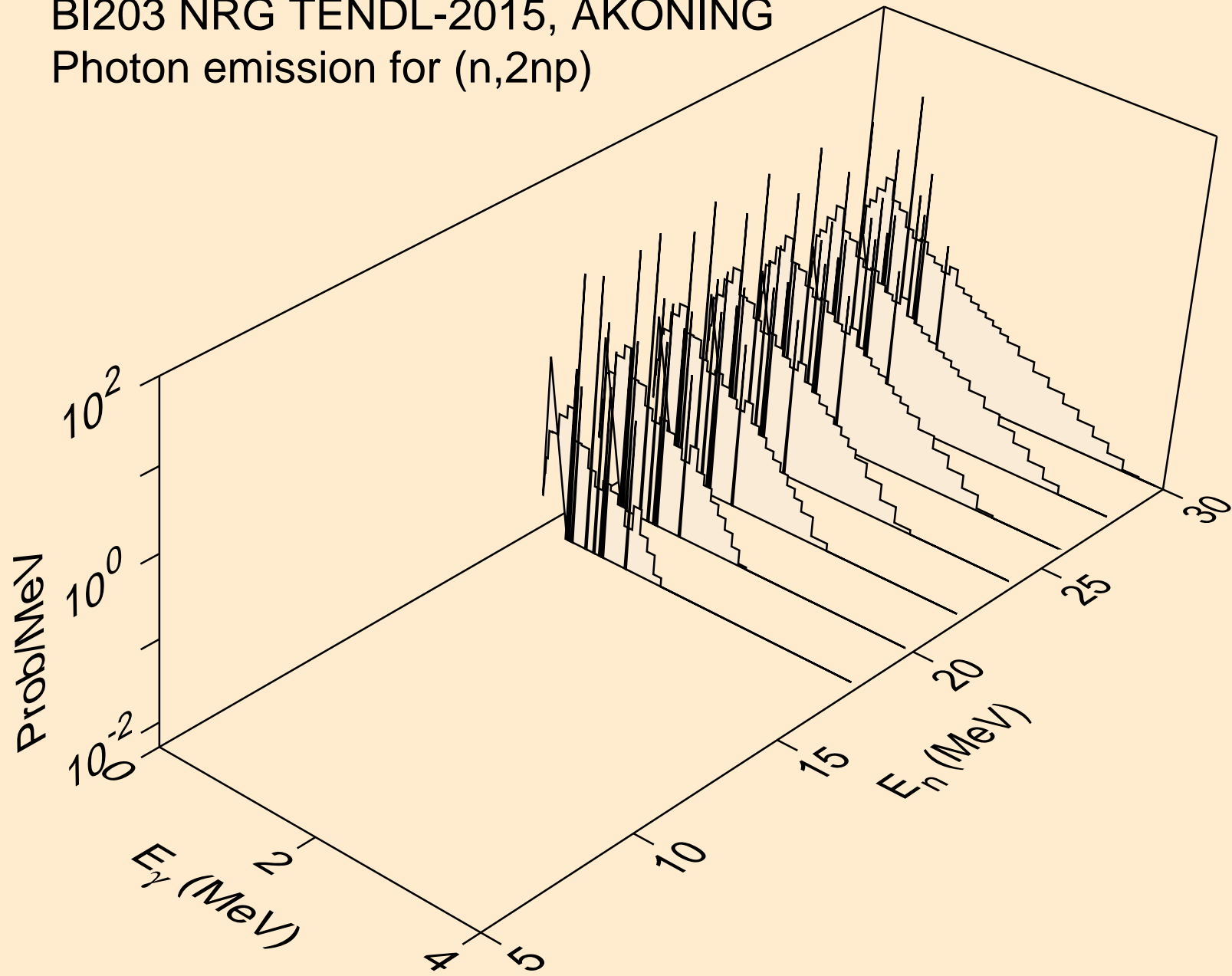
BI203 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



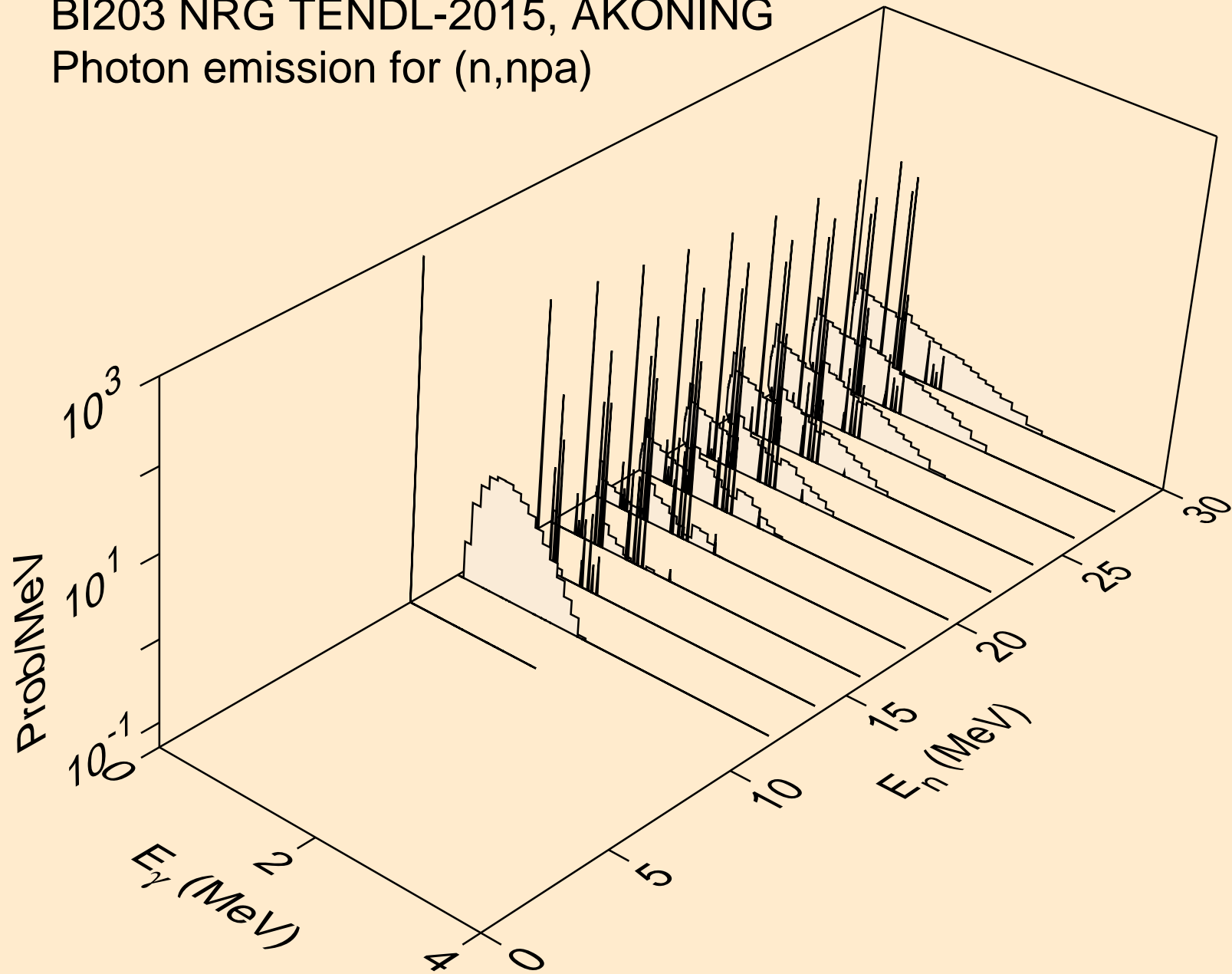
BI203 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



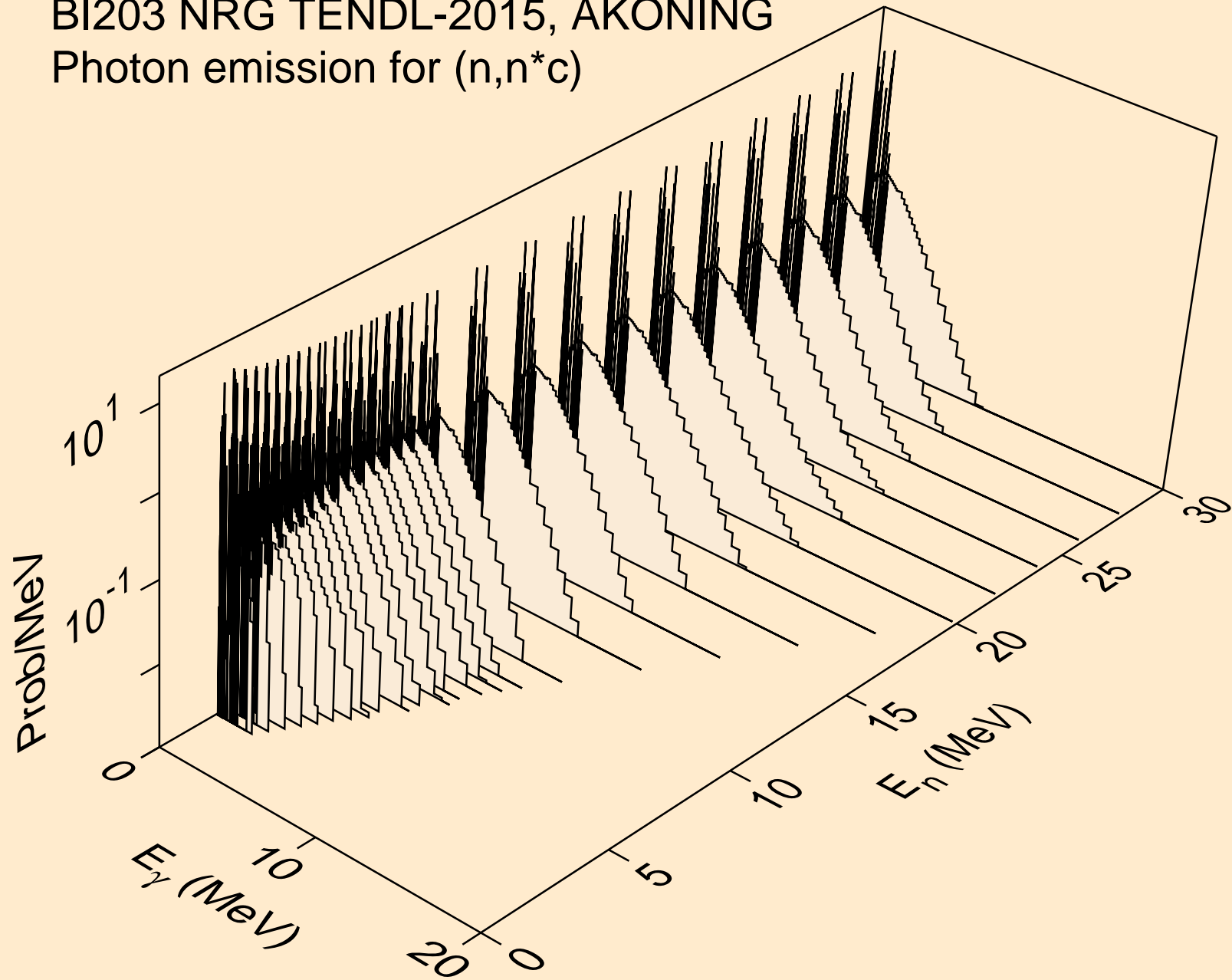
BI203 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



BI203 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)

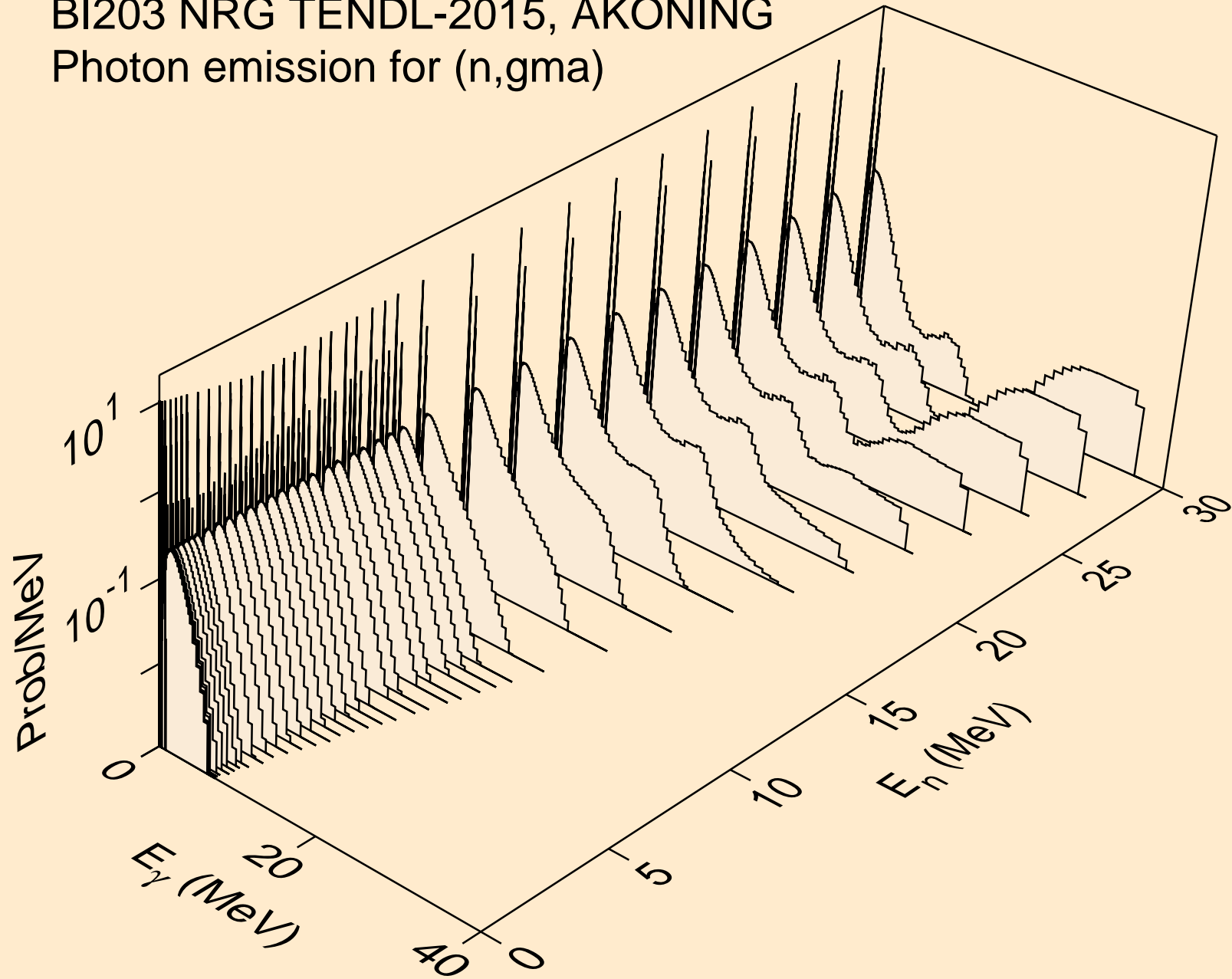


BI203 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)

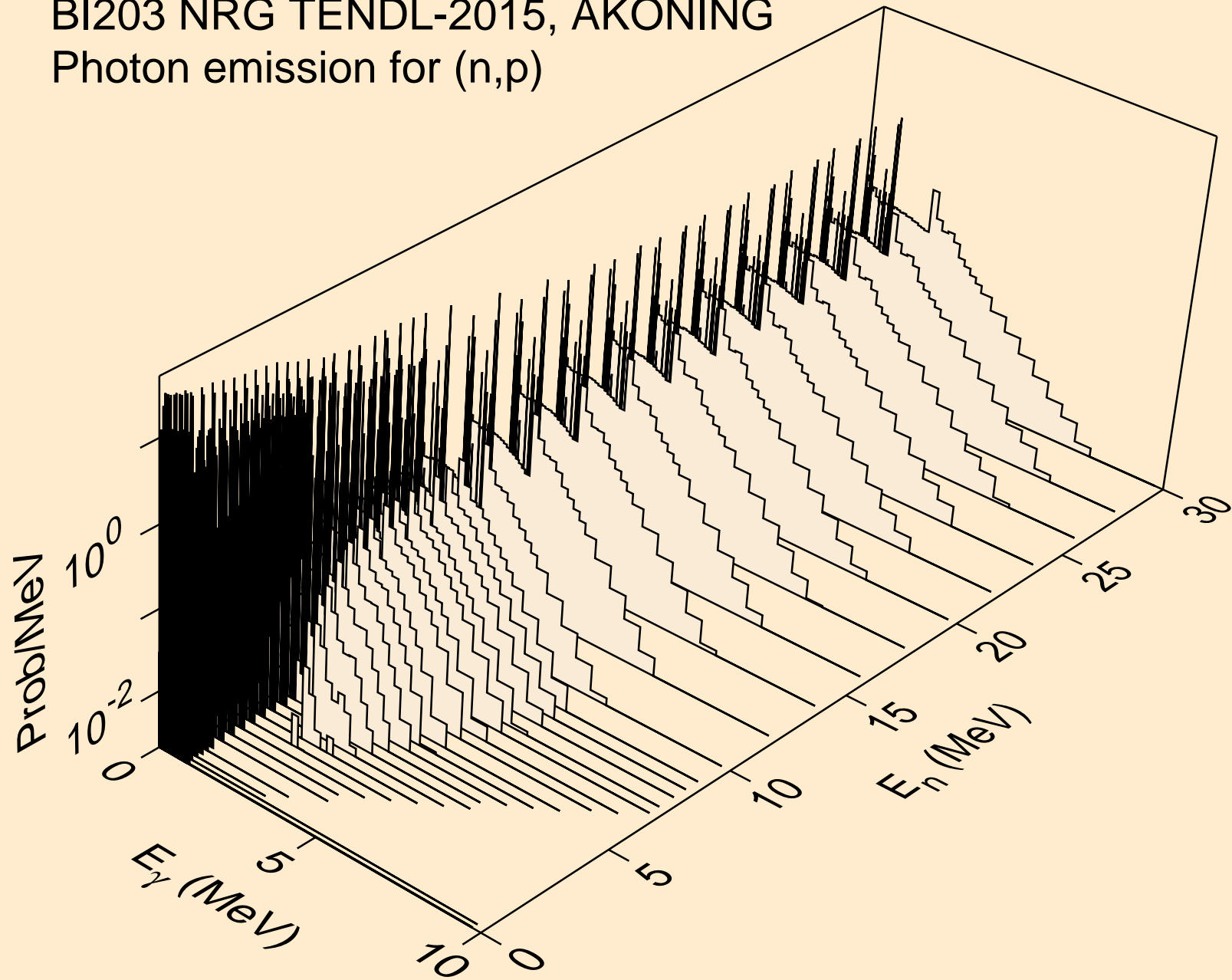




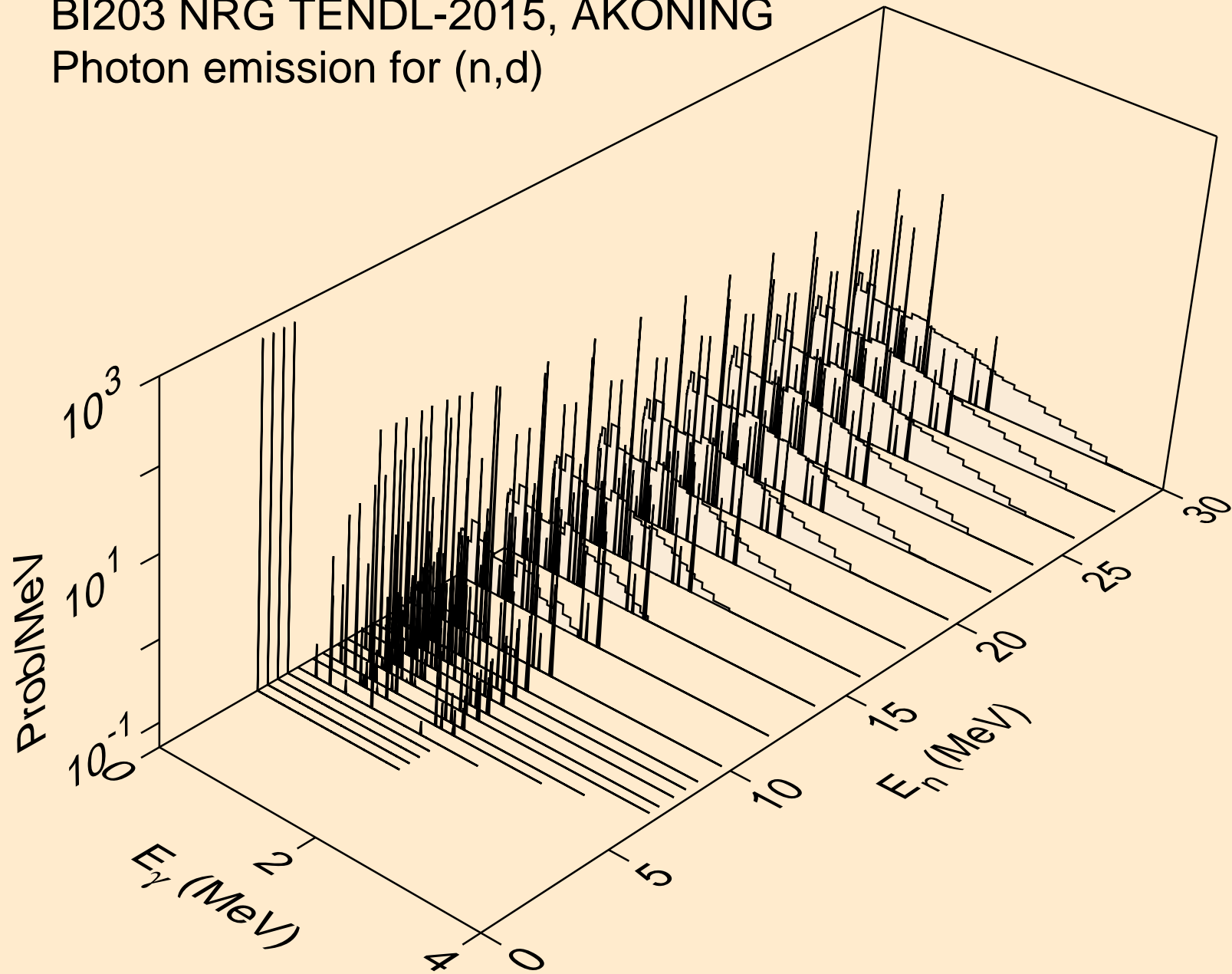
BI203 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



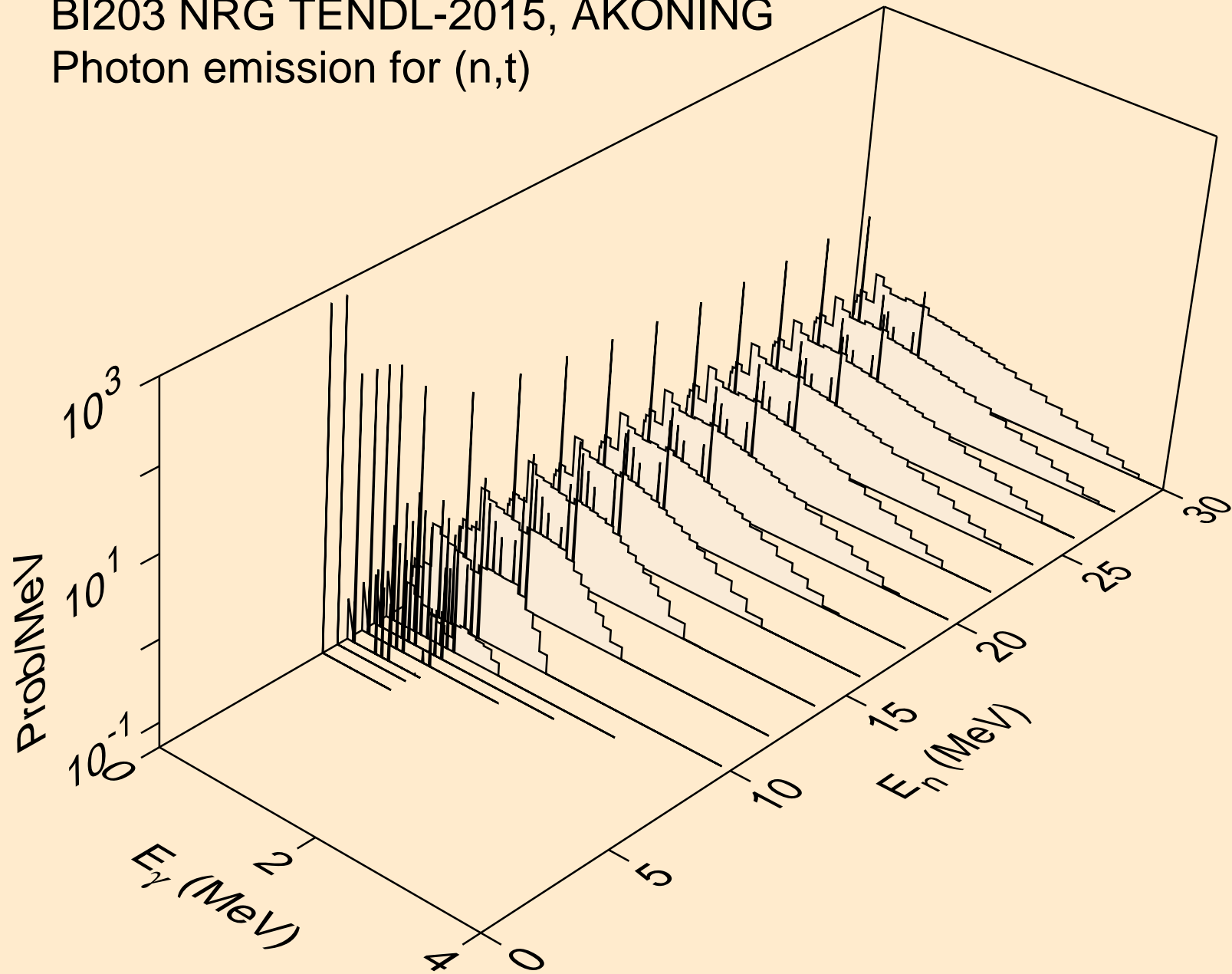
BI203 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



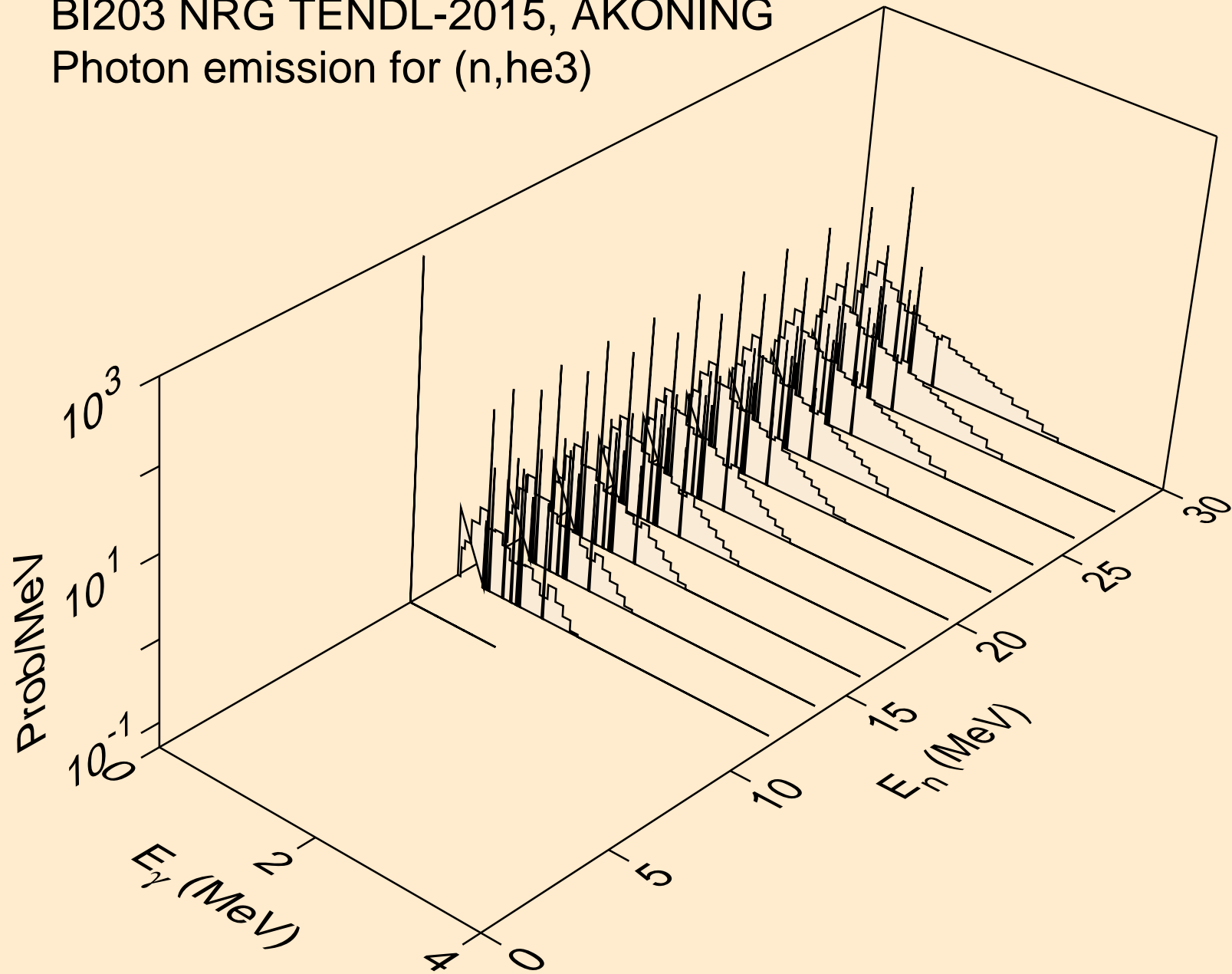
BI203 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



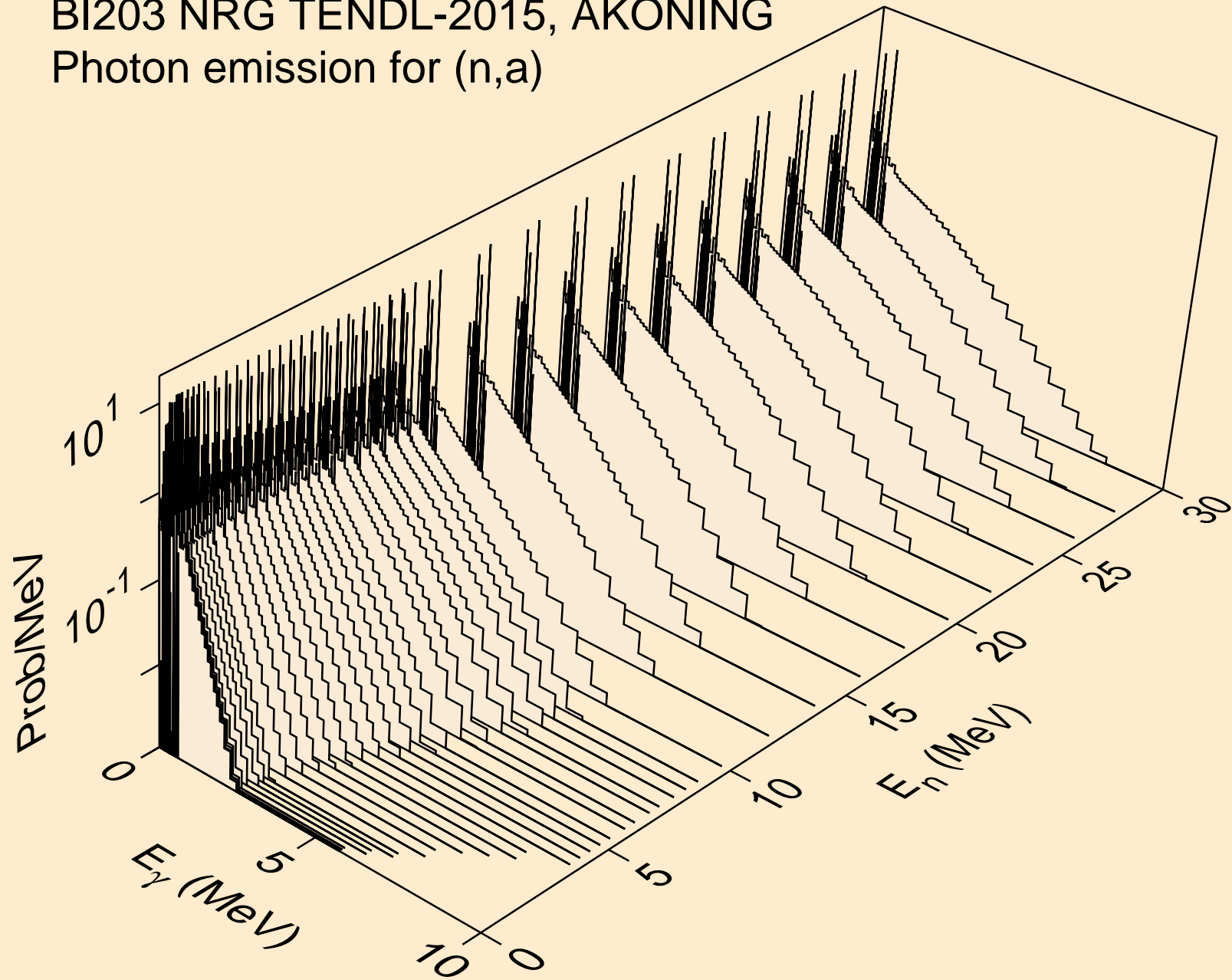
BI203 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



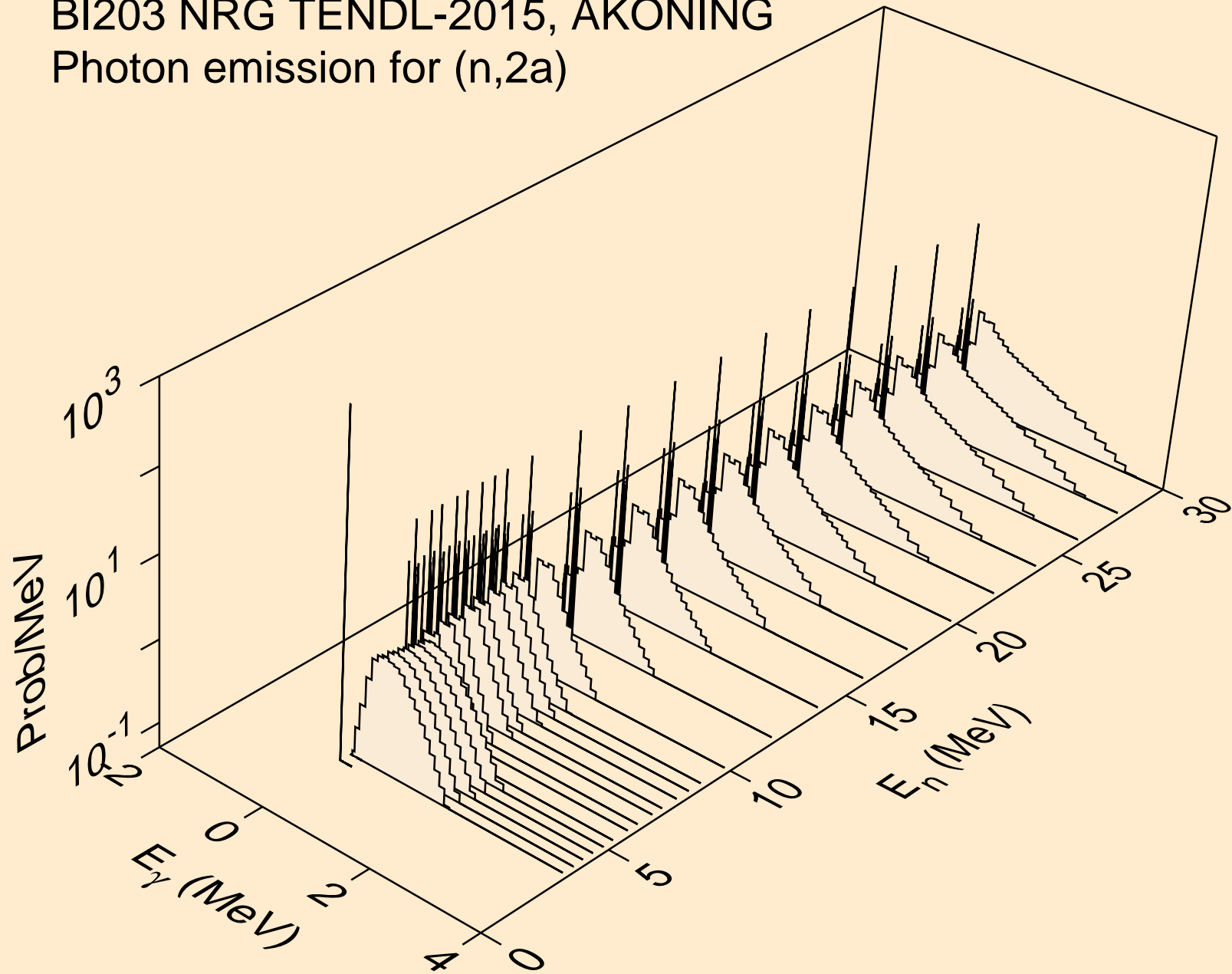
BI203 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



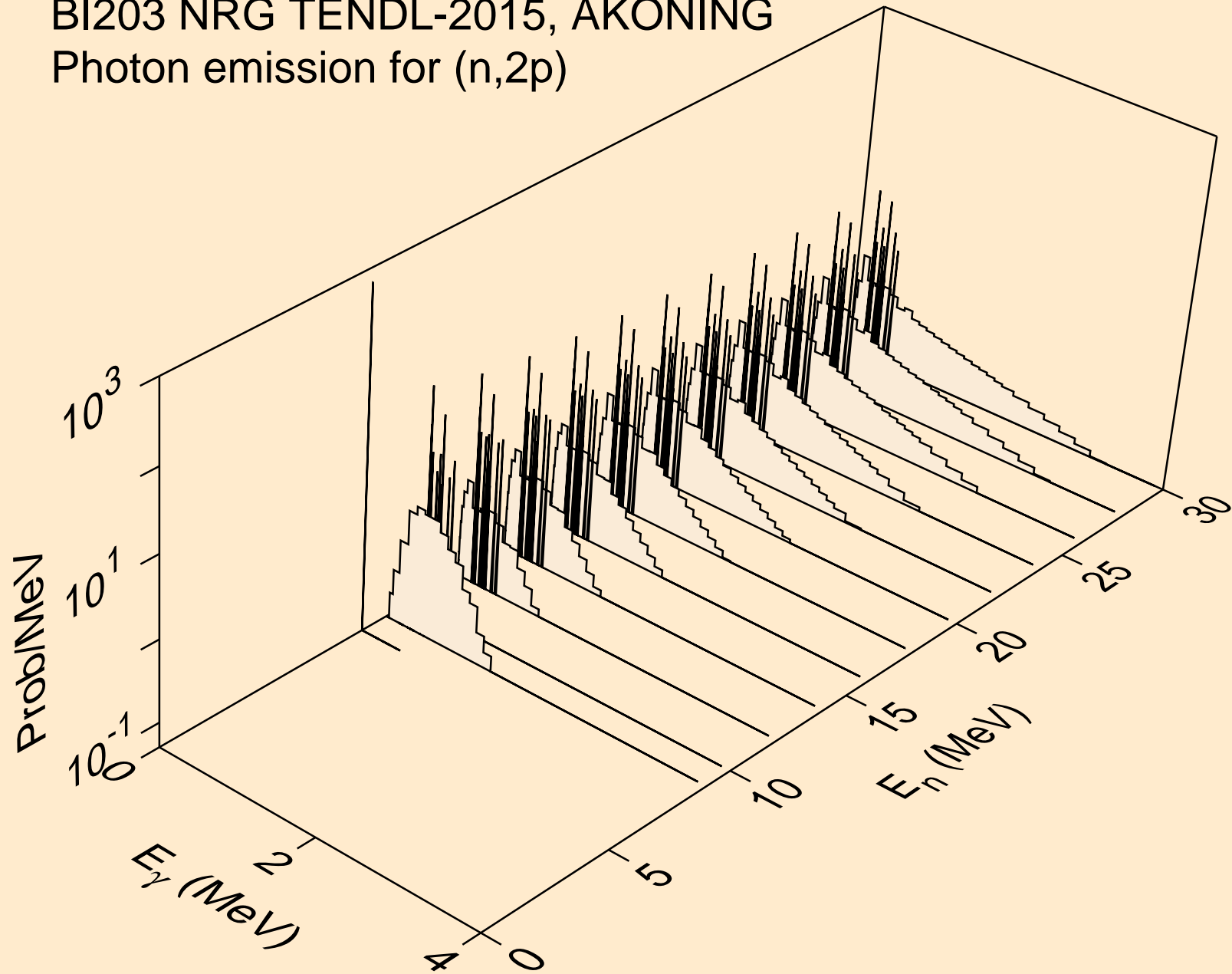
BI203 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



BI203 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)

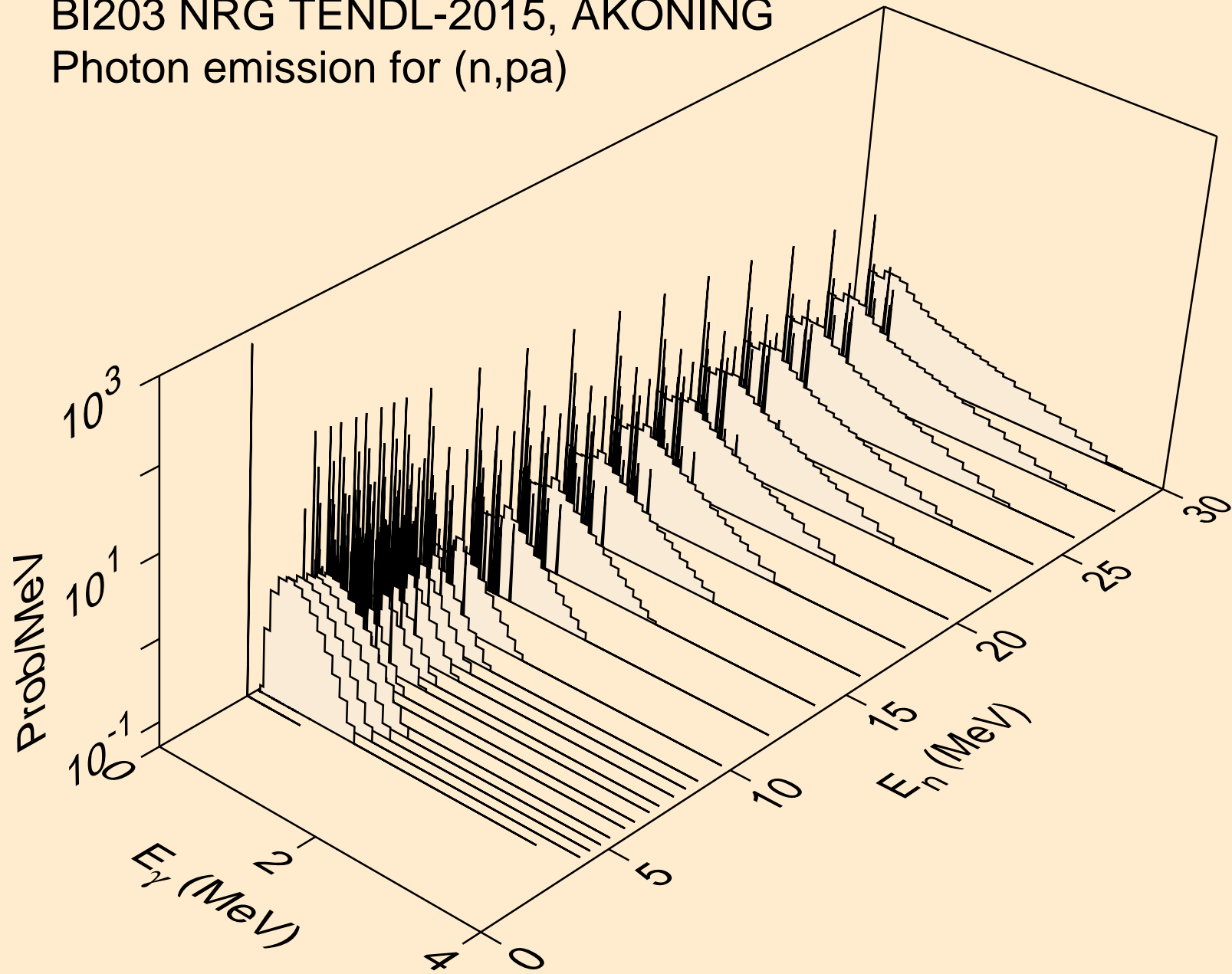


BI203 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)

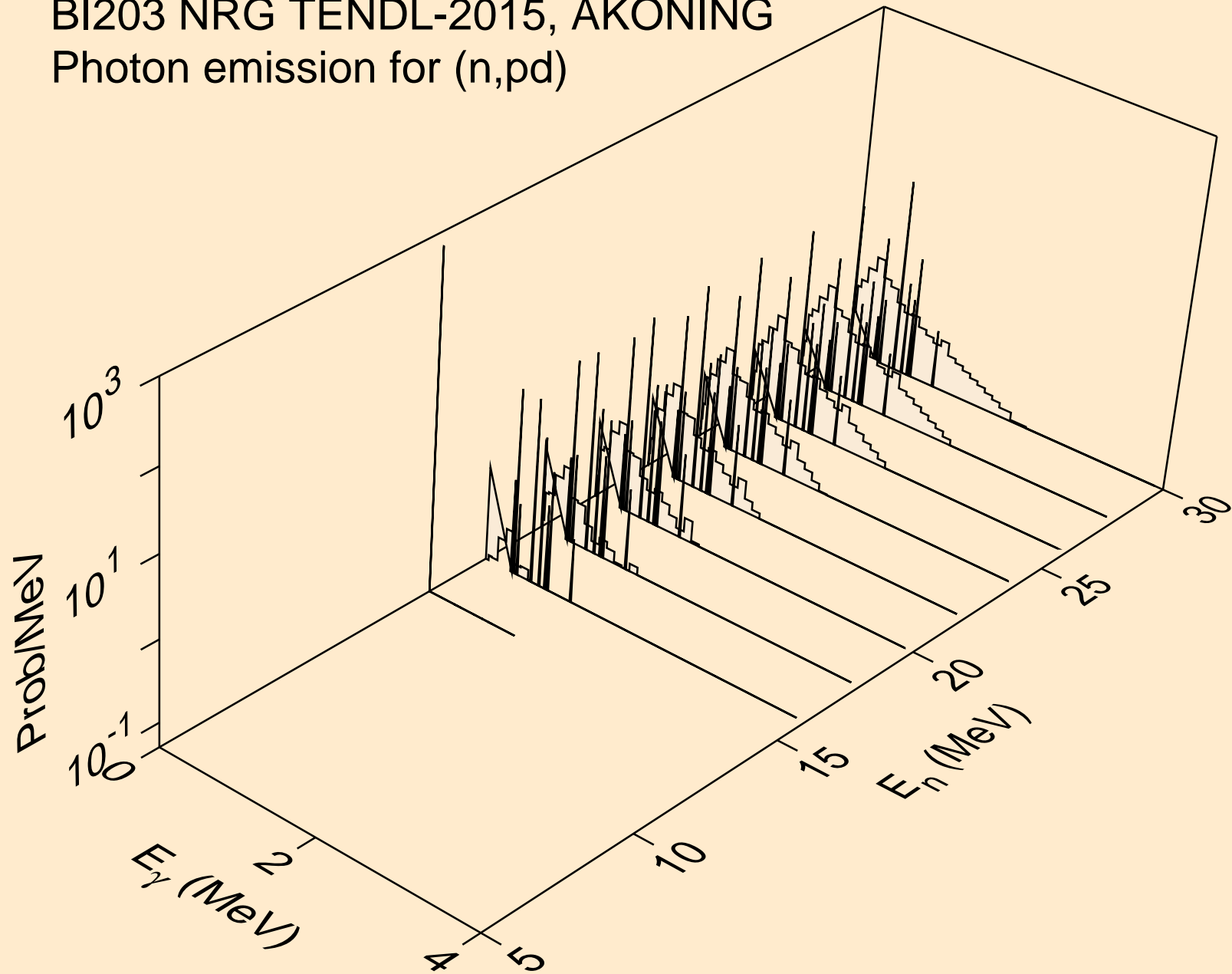




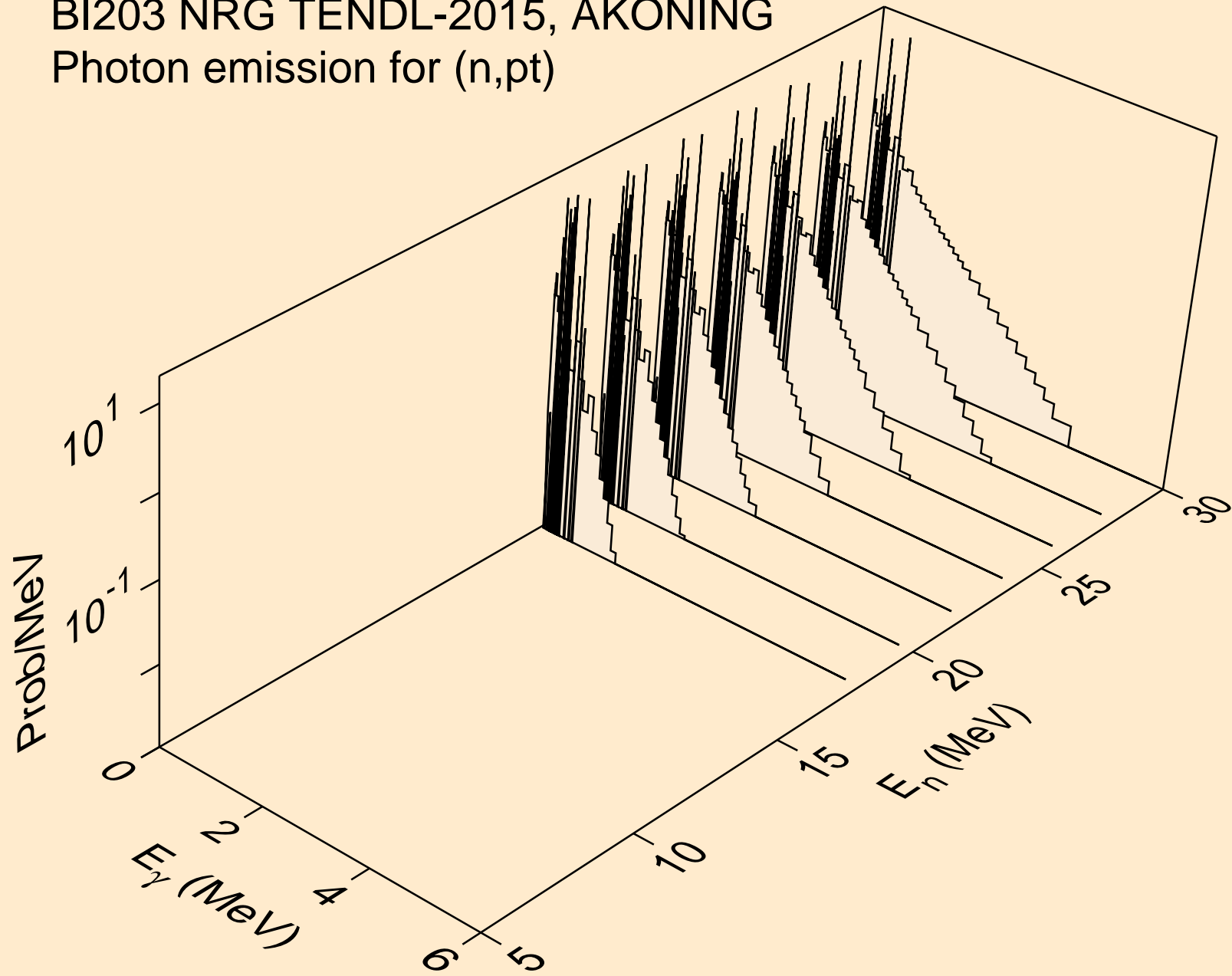
BI203 NRG TENDL-2015, AKONING  
Photon emission for (n,p $\alpha$ )



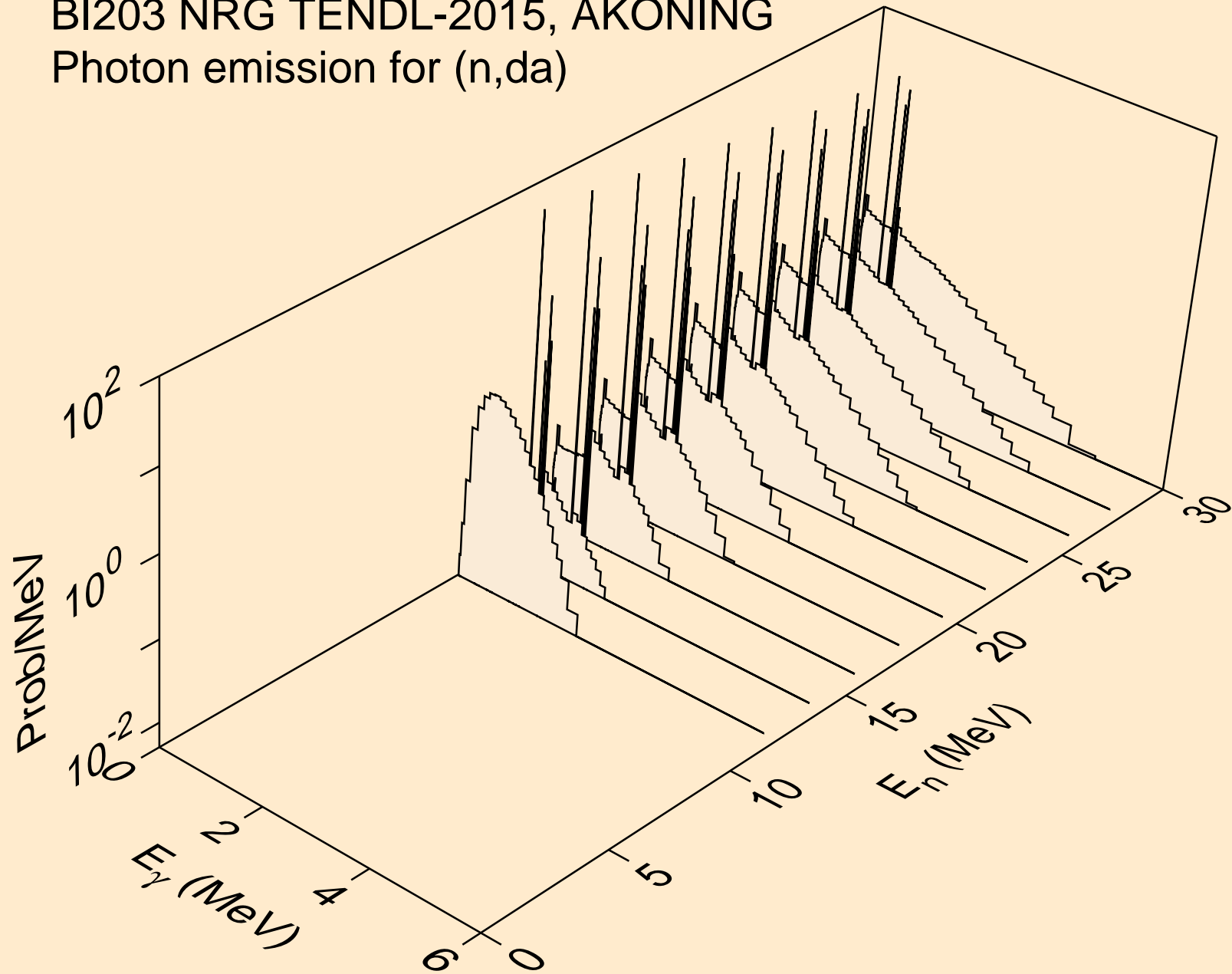
BI203 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



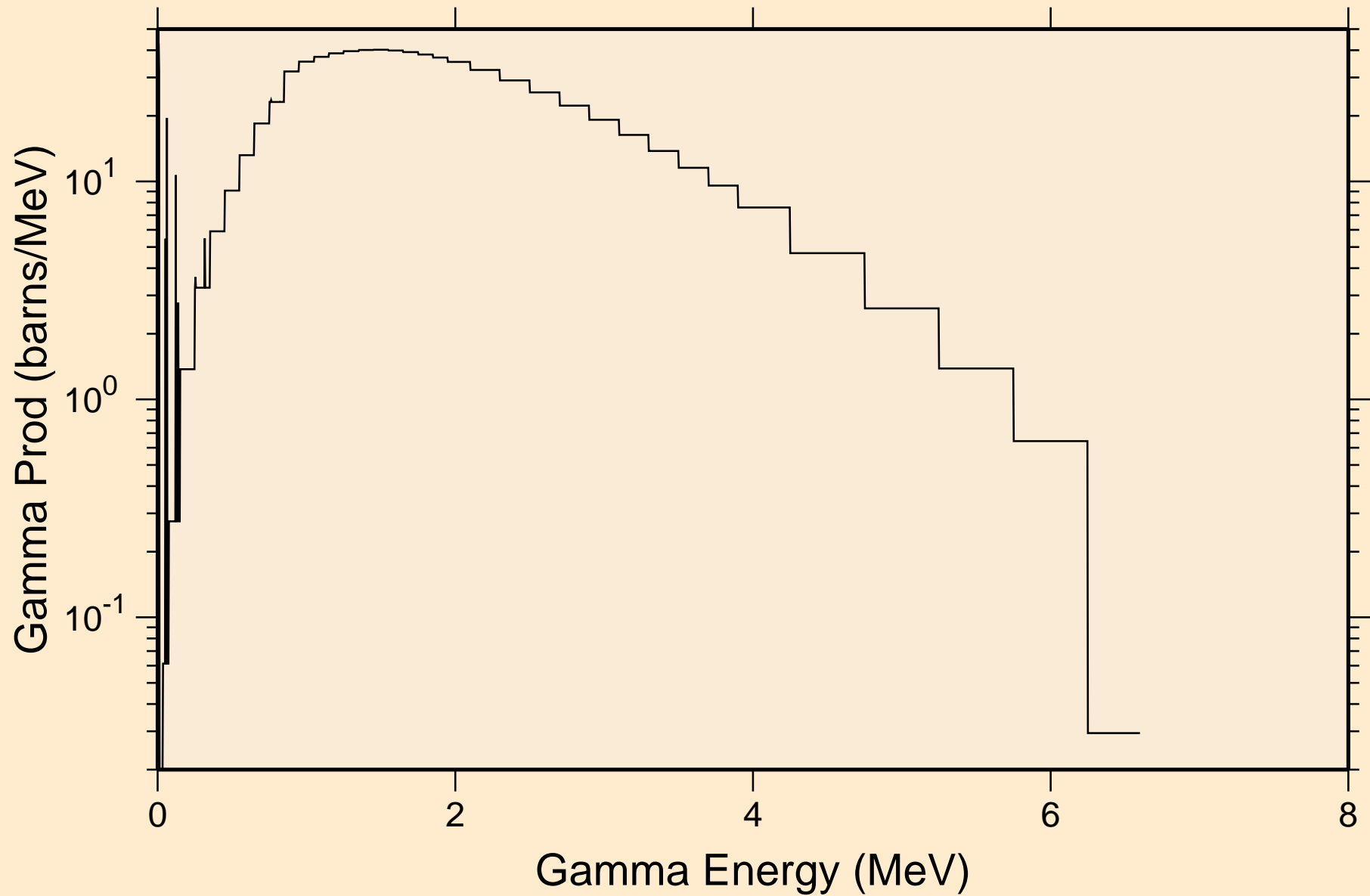
BI203 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



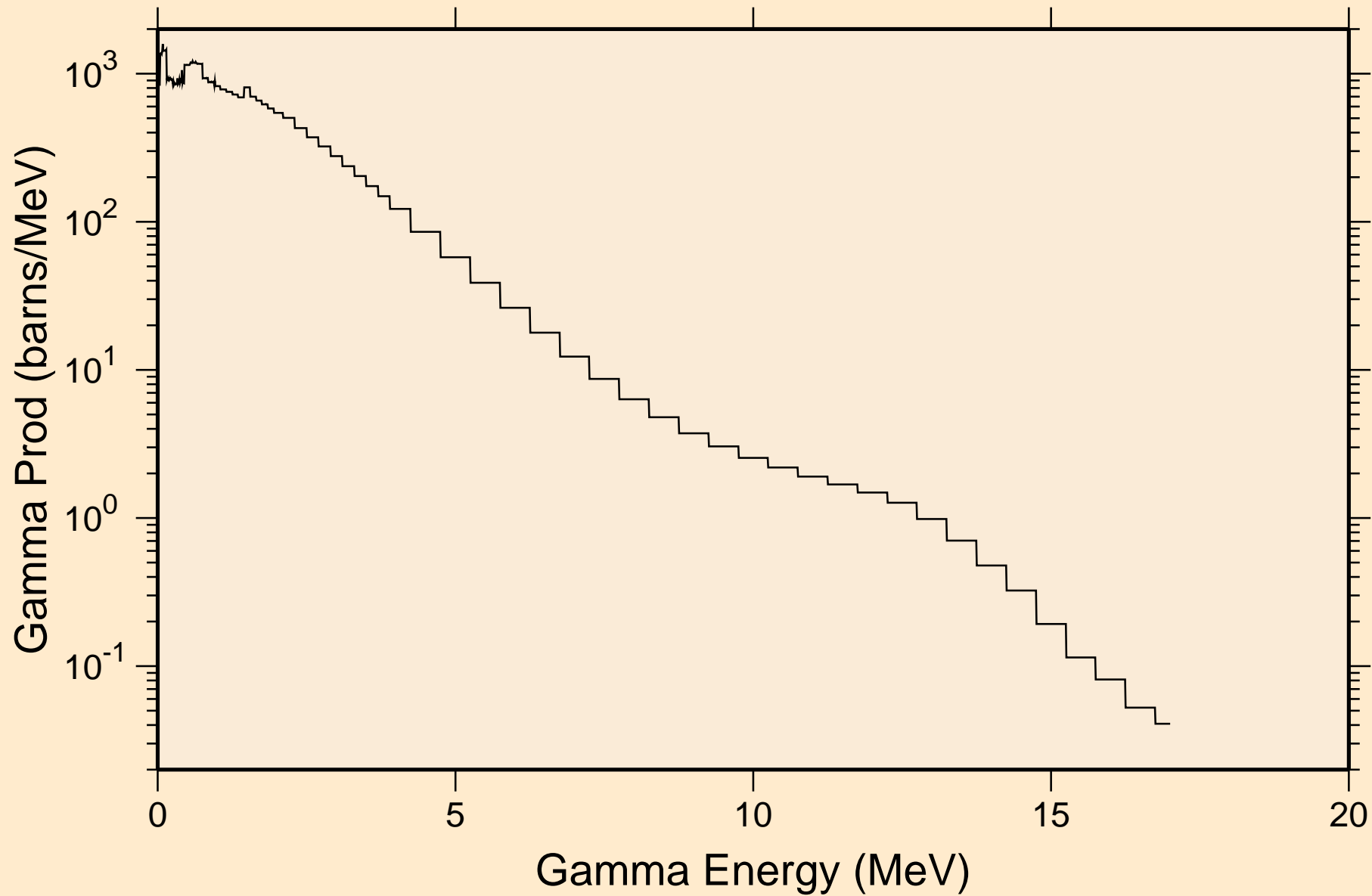
BI203 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



BI203 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

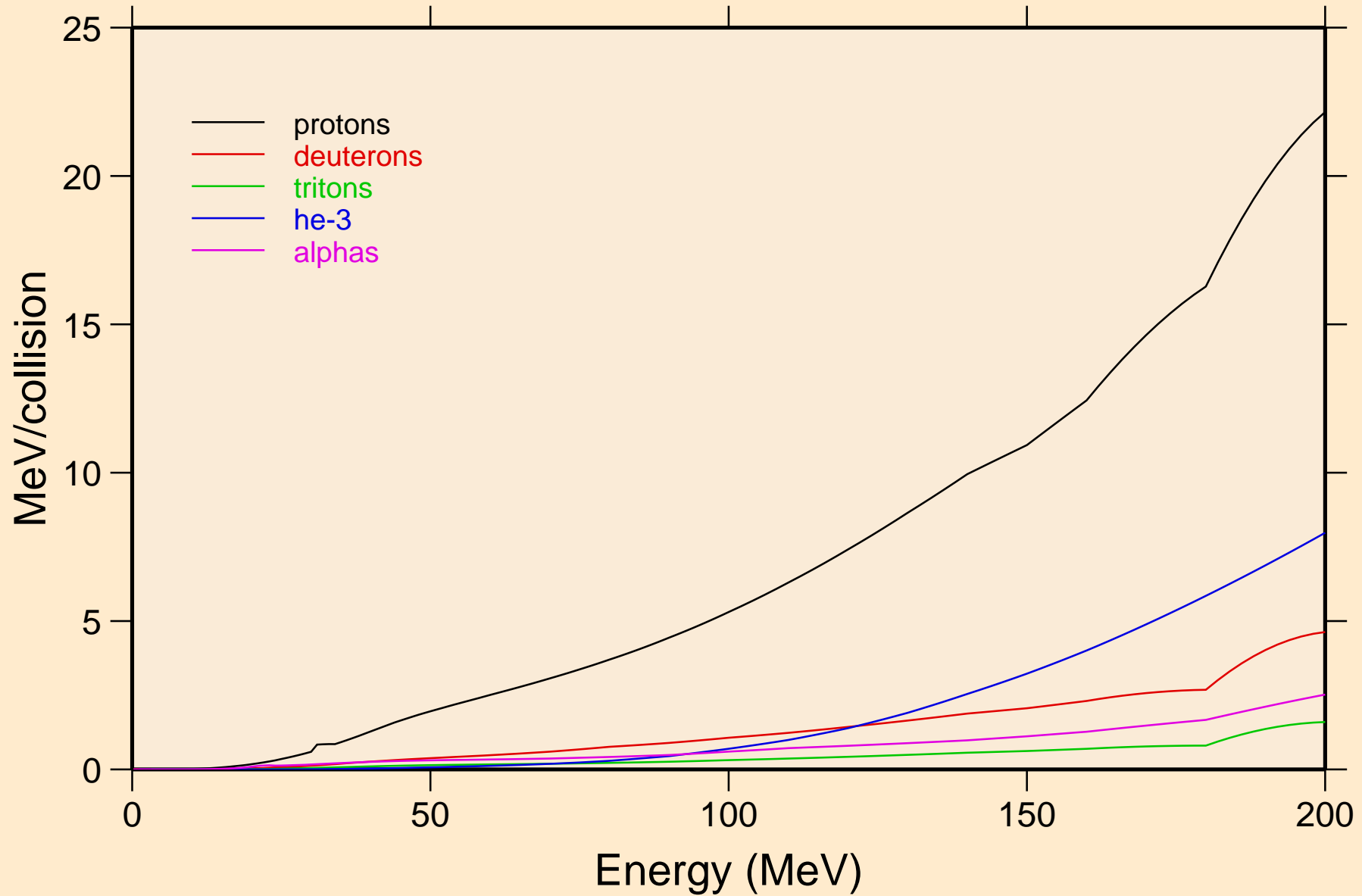


BI203 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



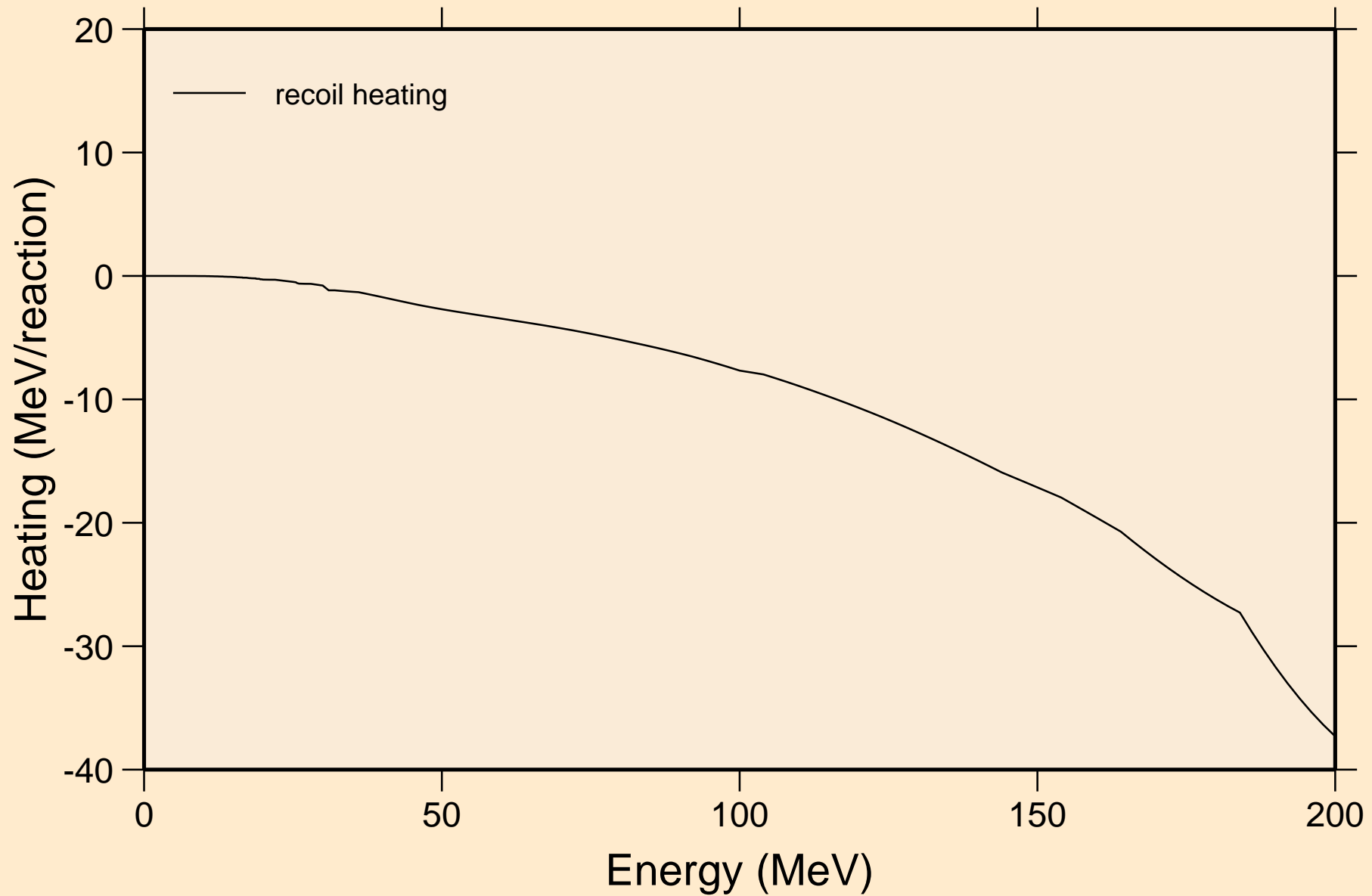
# BI203 NRG TENDL-2015, AKONING

## Particle heating contributions



# BI203 NRG TENDL-2015, AKONING

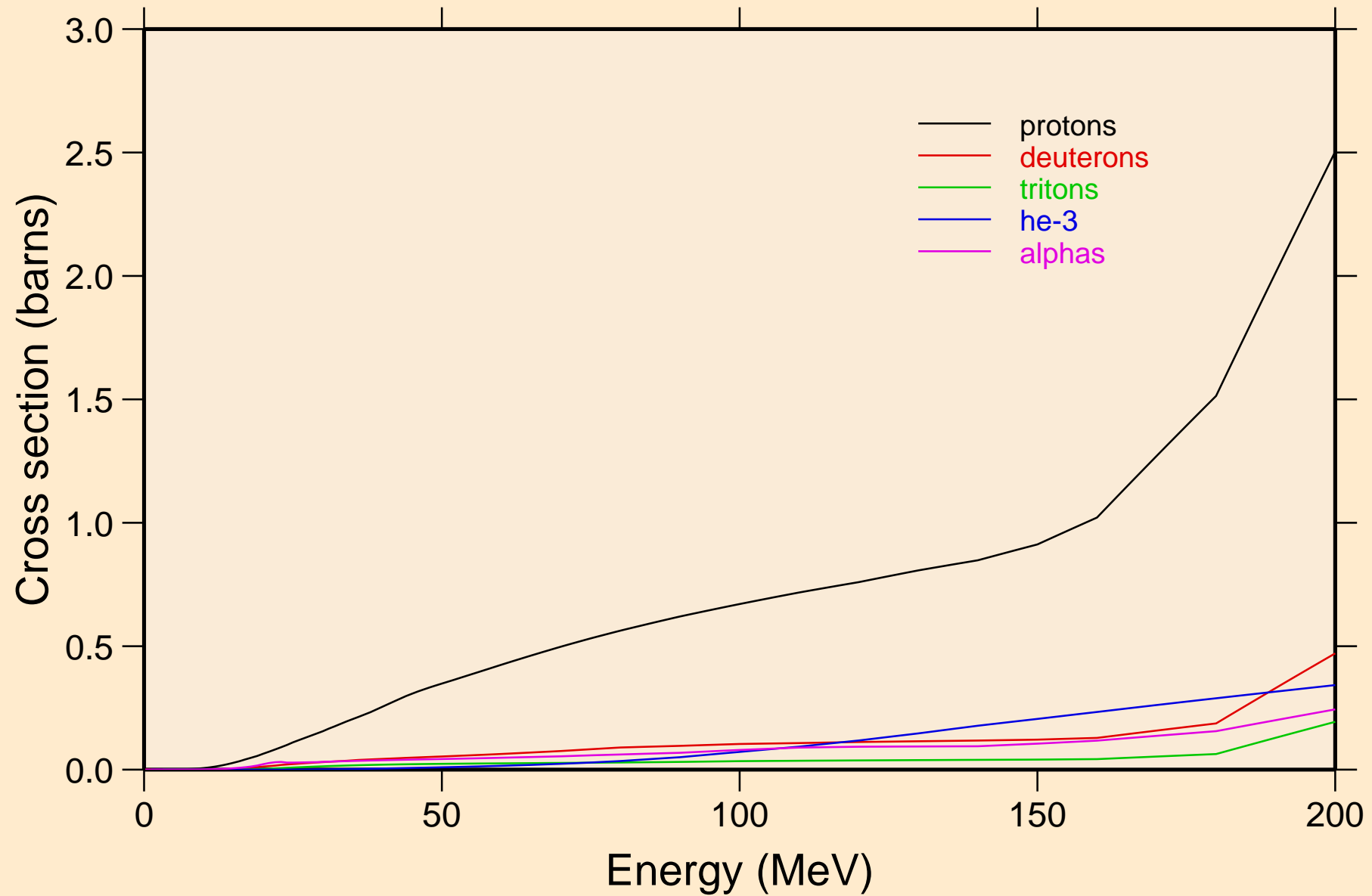
## Recoil Heating



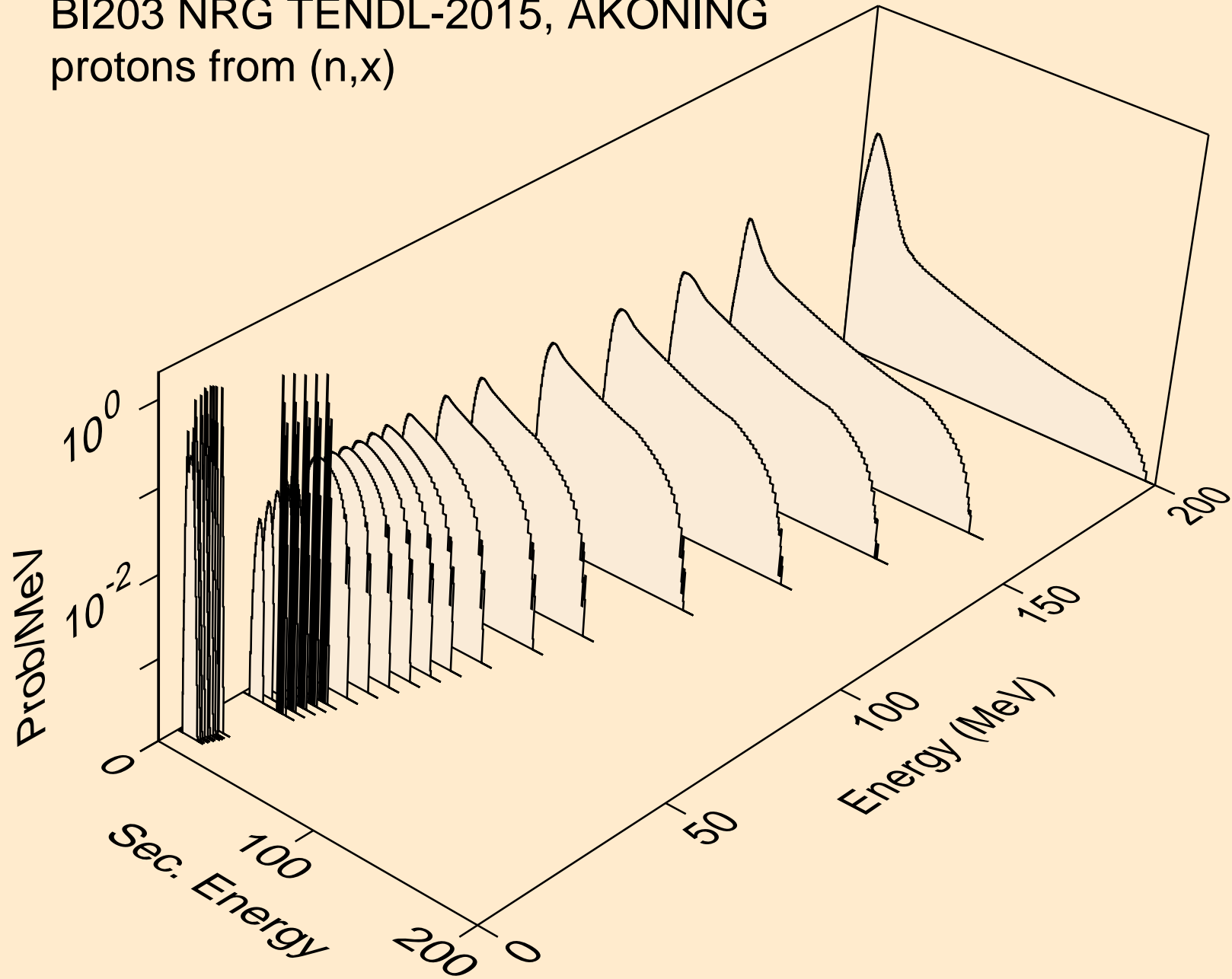


# BI203 NRG TENDL-2015, AKONING

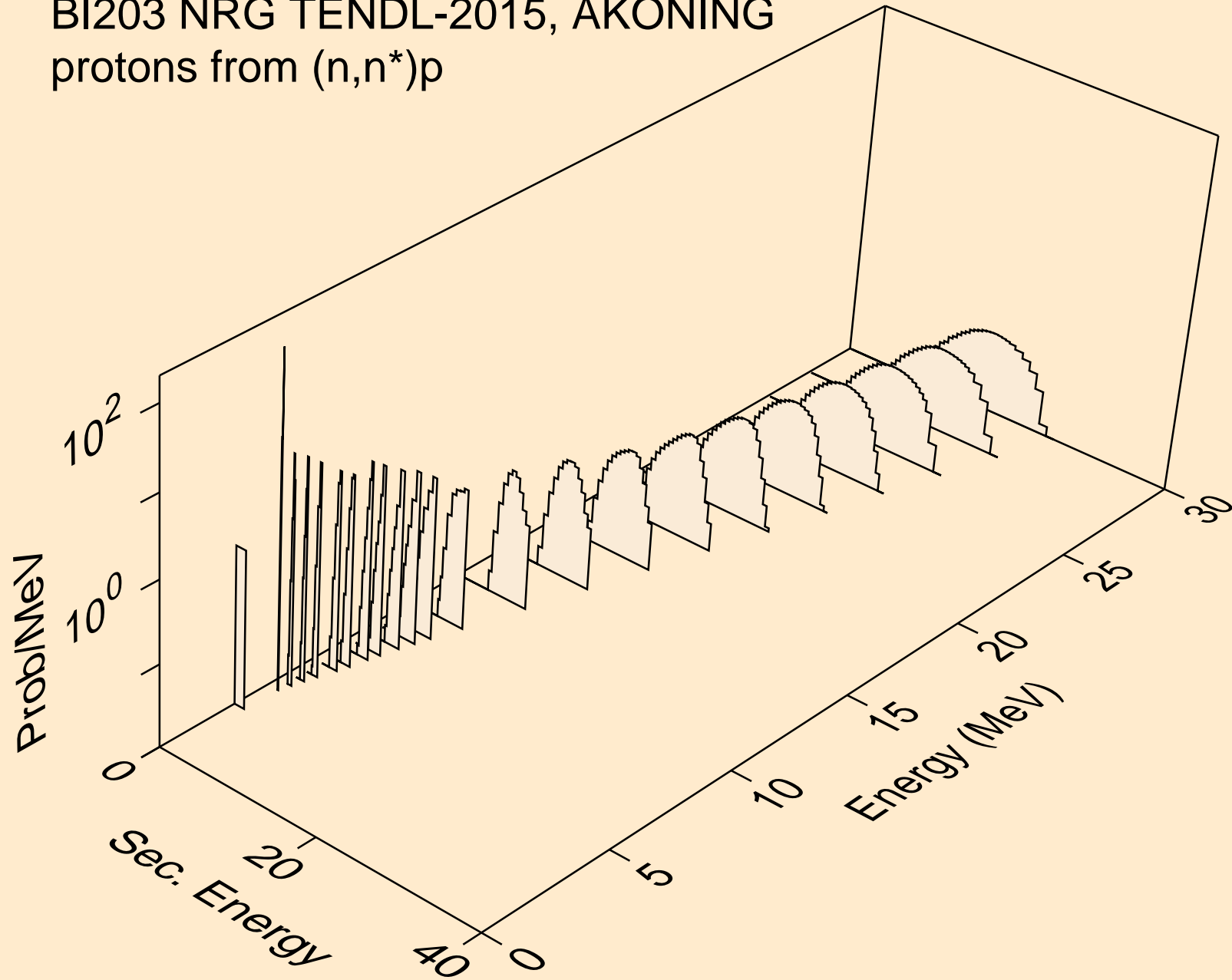
## Particle production cross sections



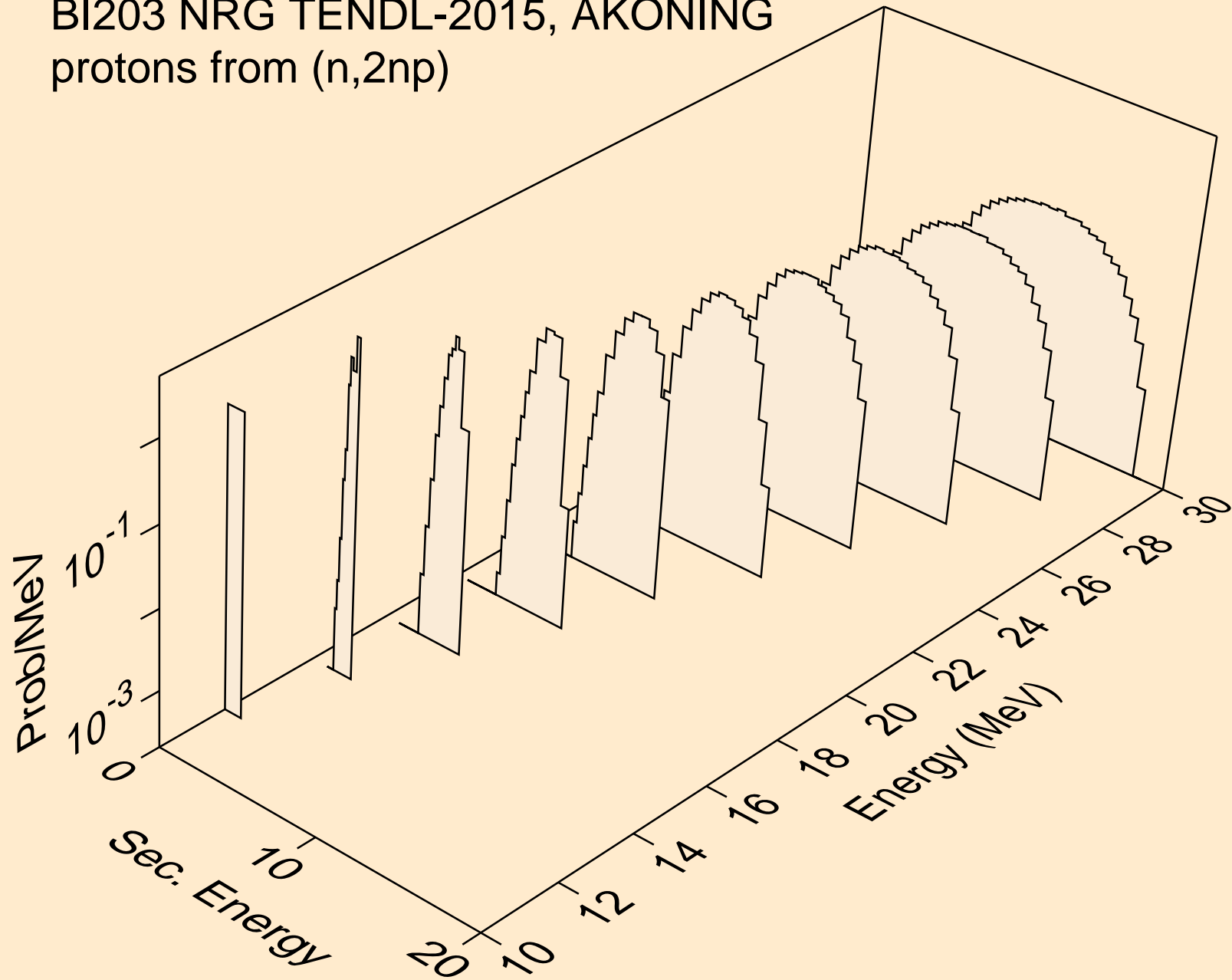
BI203 NRG TENDL-2015, AKONING  
protons from (n,x)



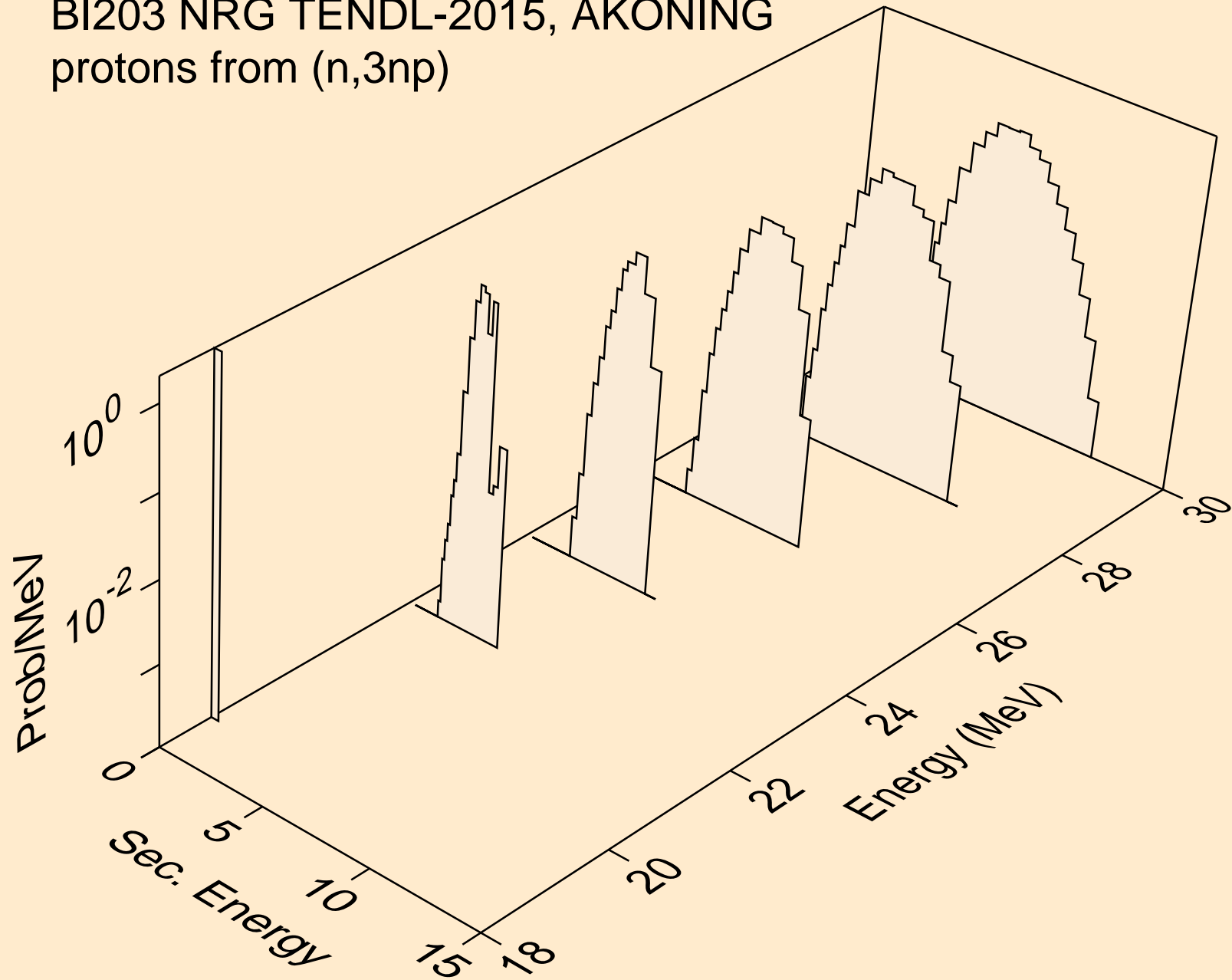
BI203 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



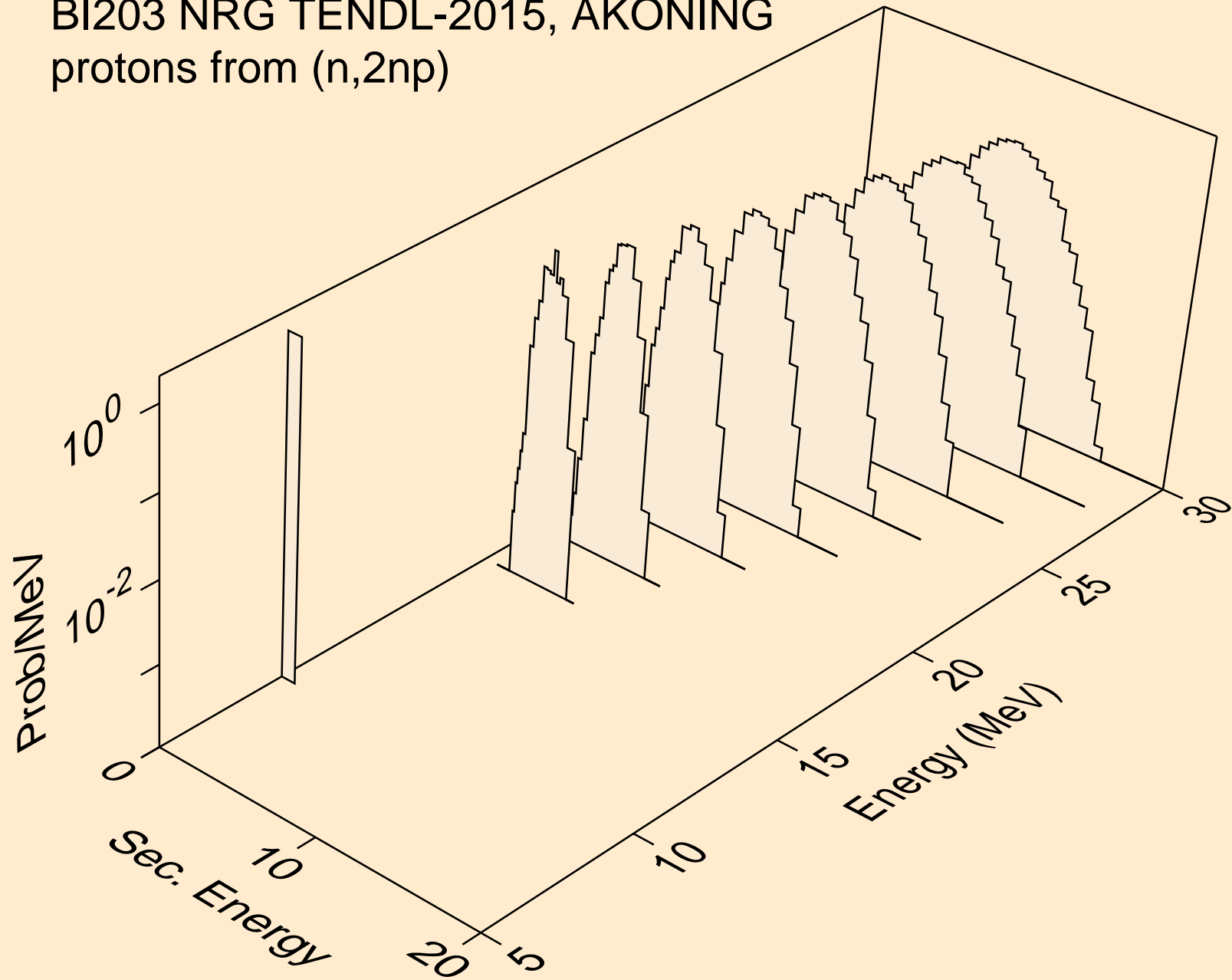
BI203 NRG TENDL-2015, AKONING  
protons from (n,2np)



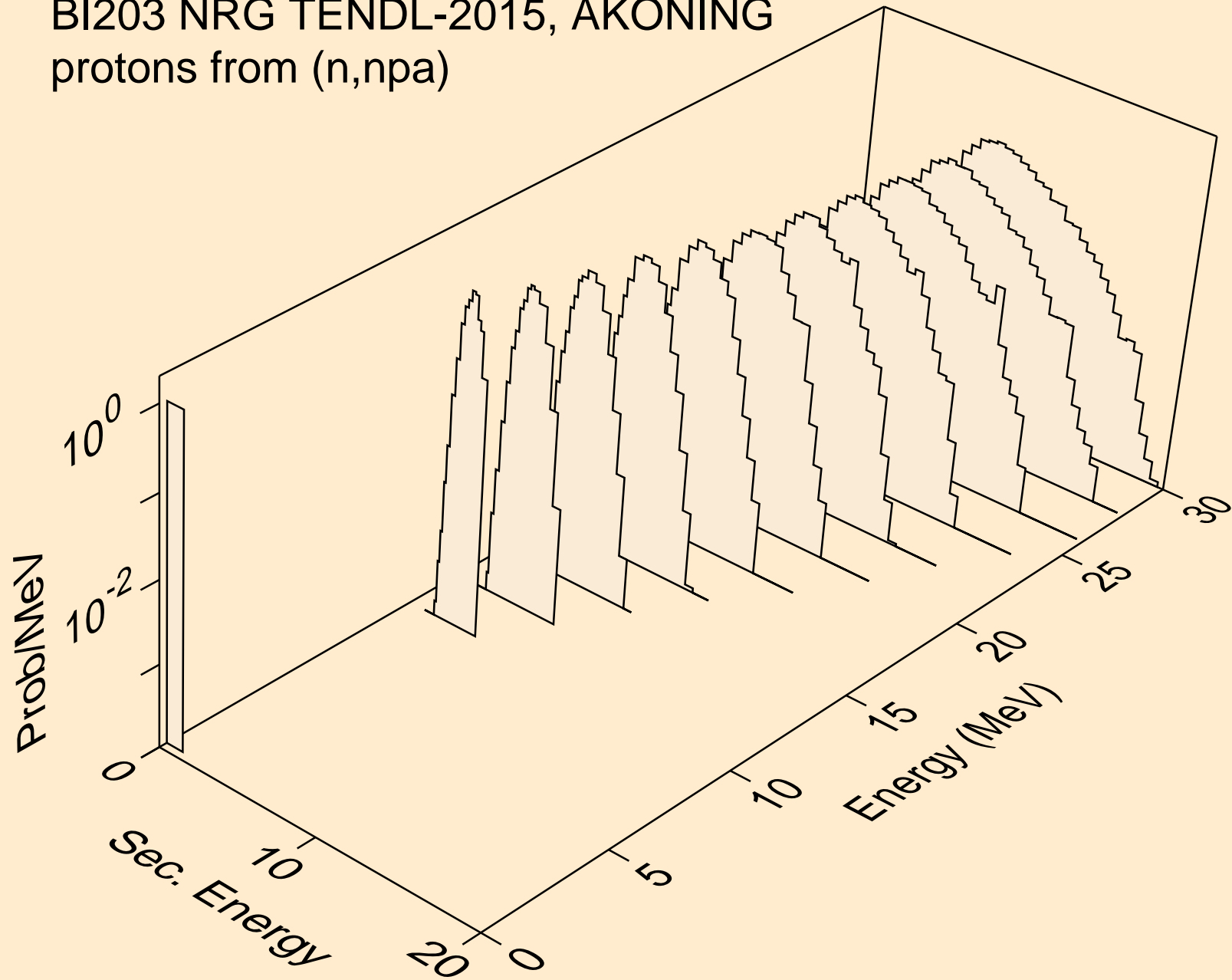
BI203 NRG TENDL-2015, AKONING  
protons from (n,3np)



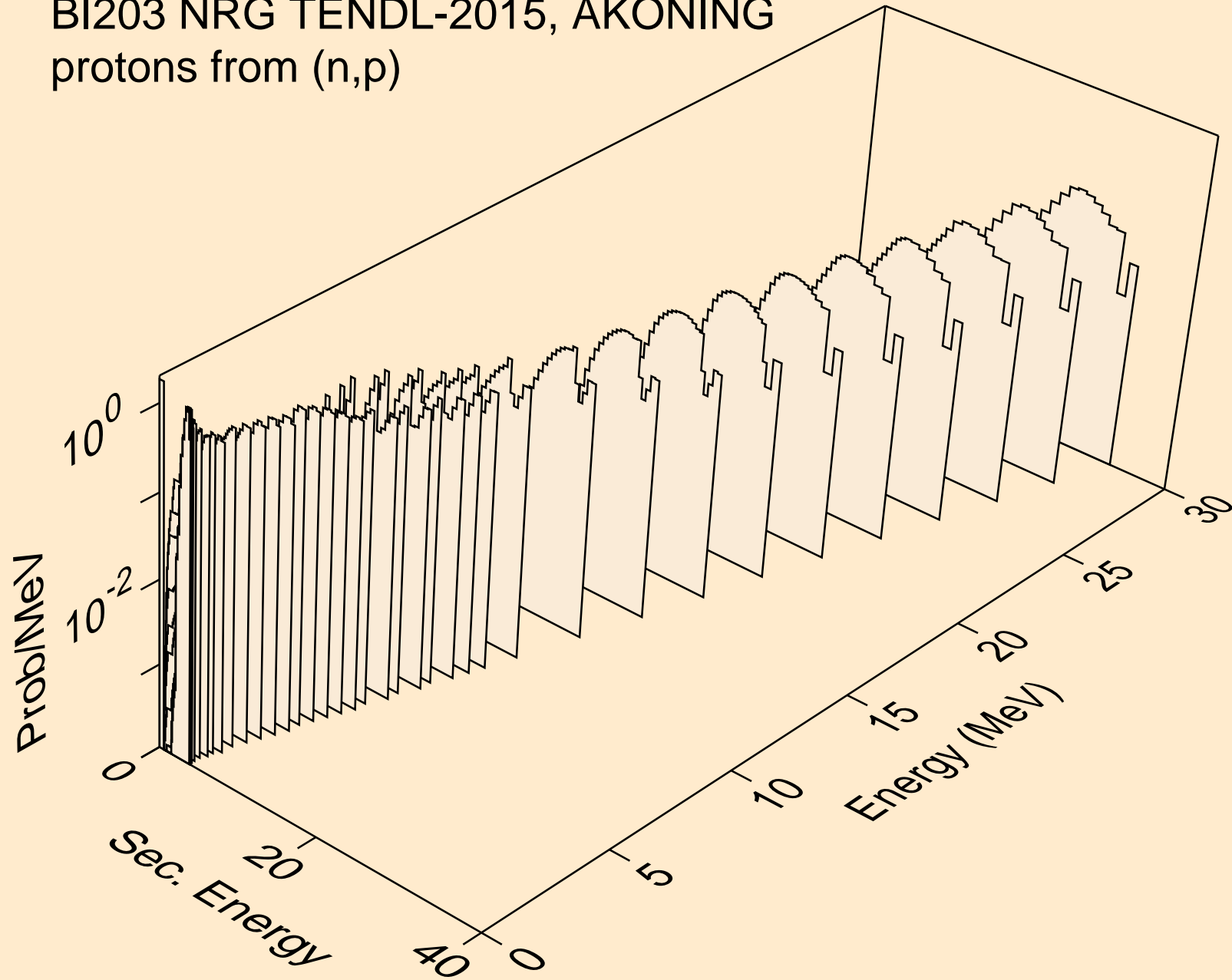
BI203 NRG TENDL-2015, AKONING  
protons from (n,2np)



BI203 NRG TENDL-2015, AKONING  
protons from (n,npa)

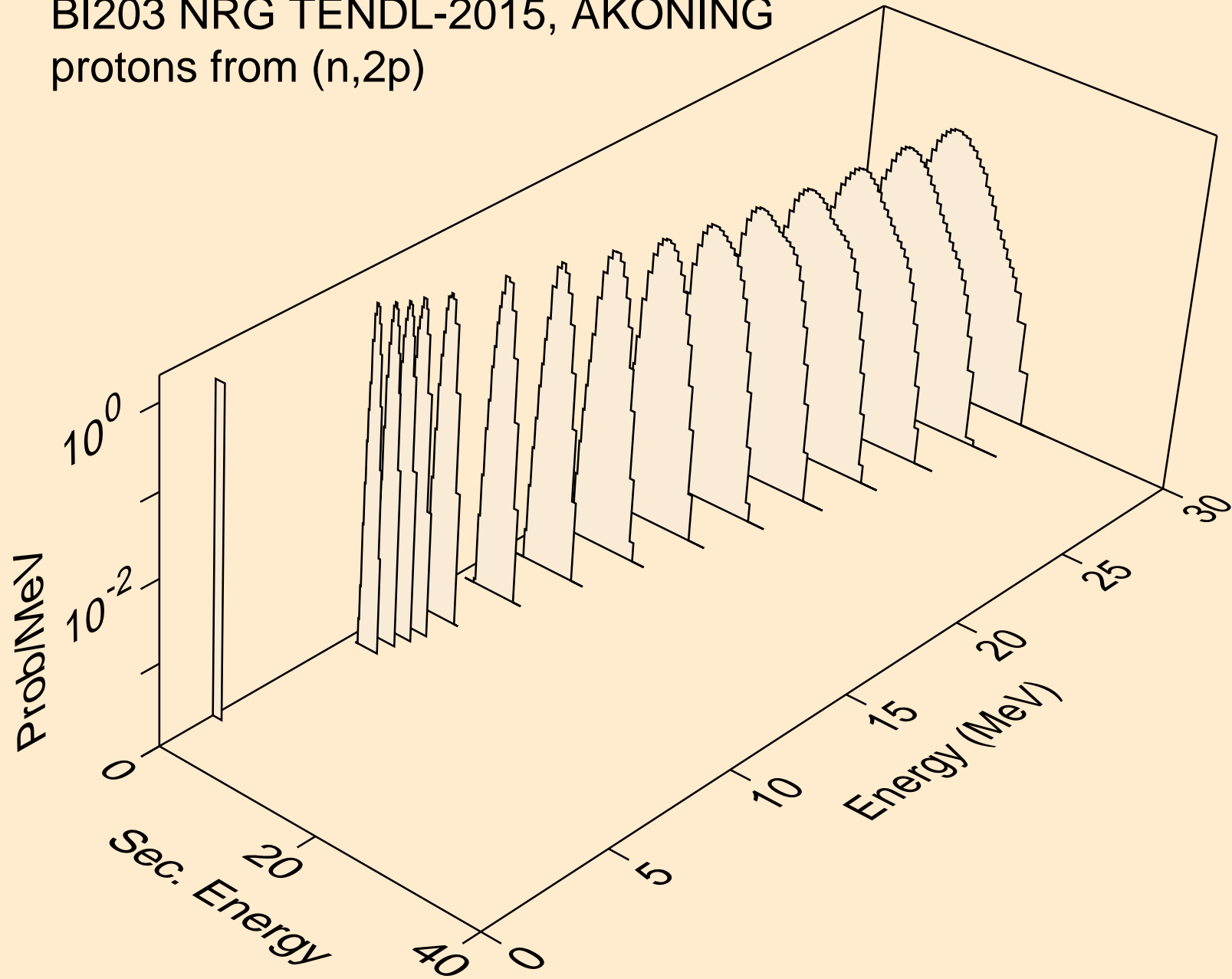


BI203 NRG TENDL-2015, AKONING  
protons from (n,p)

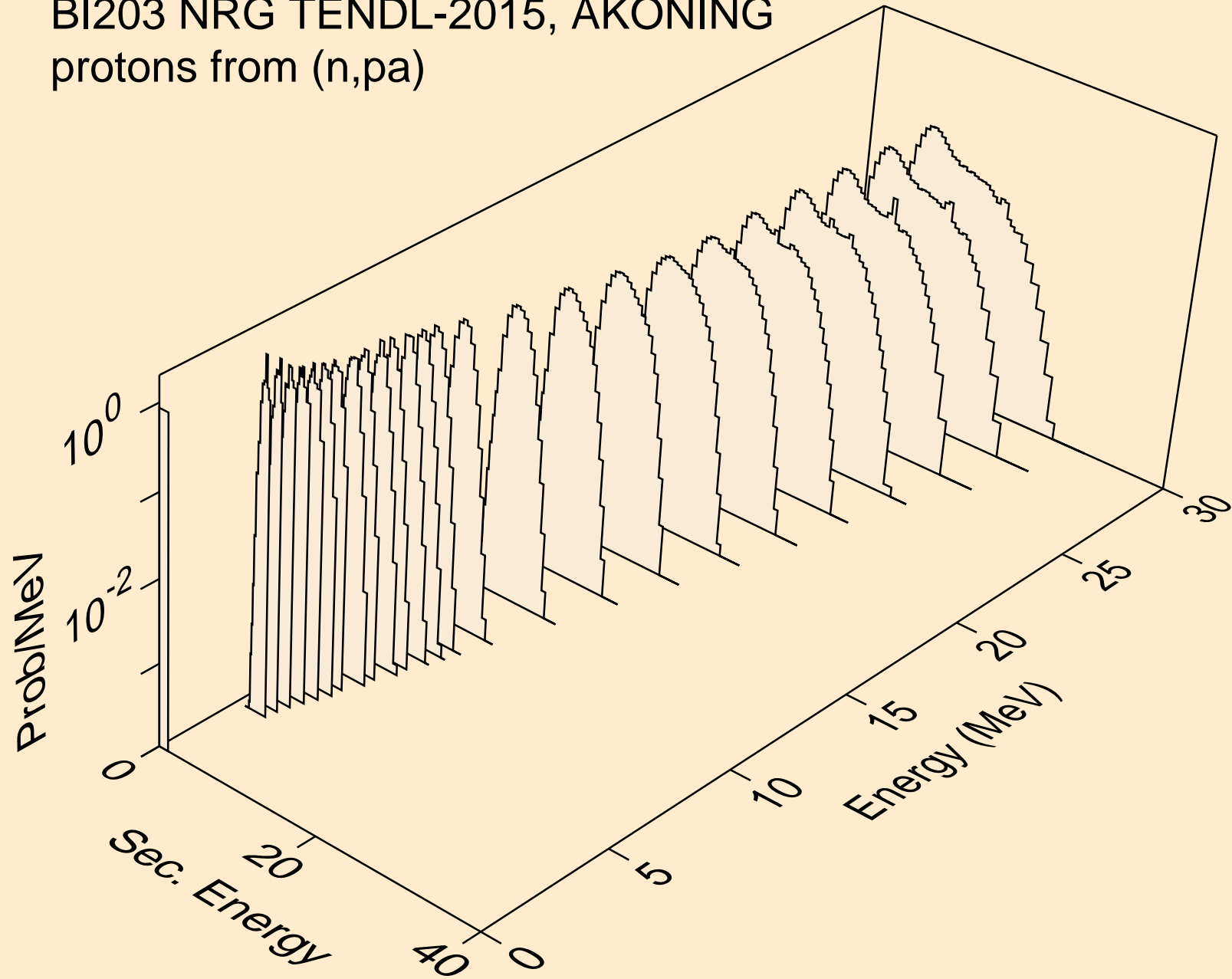




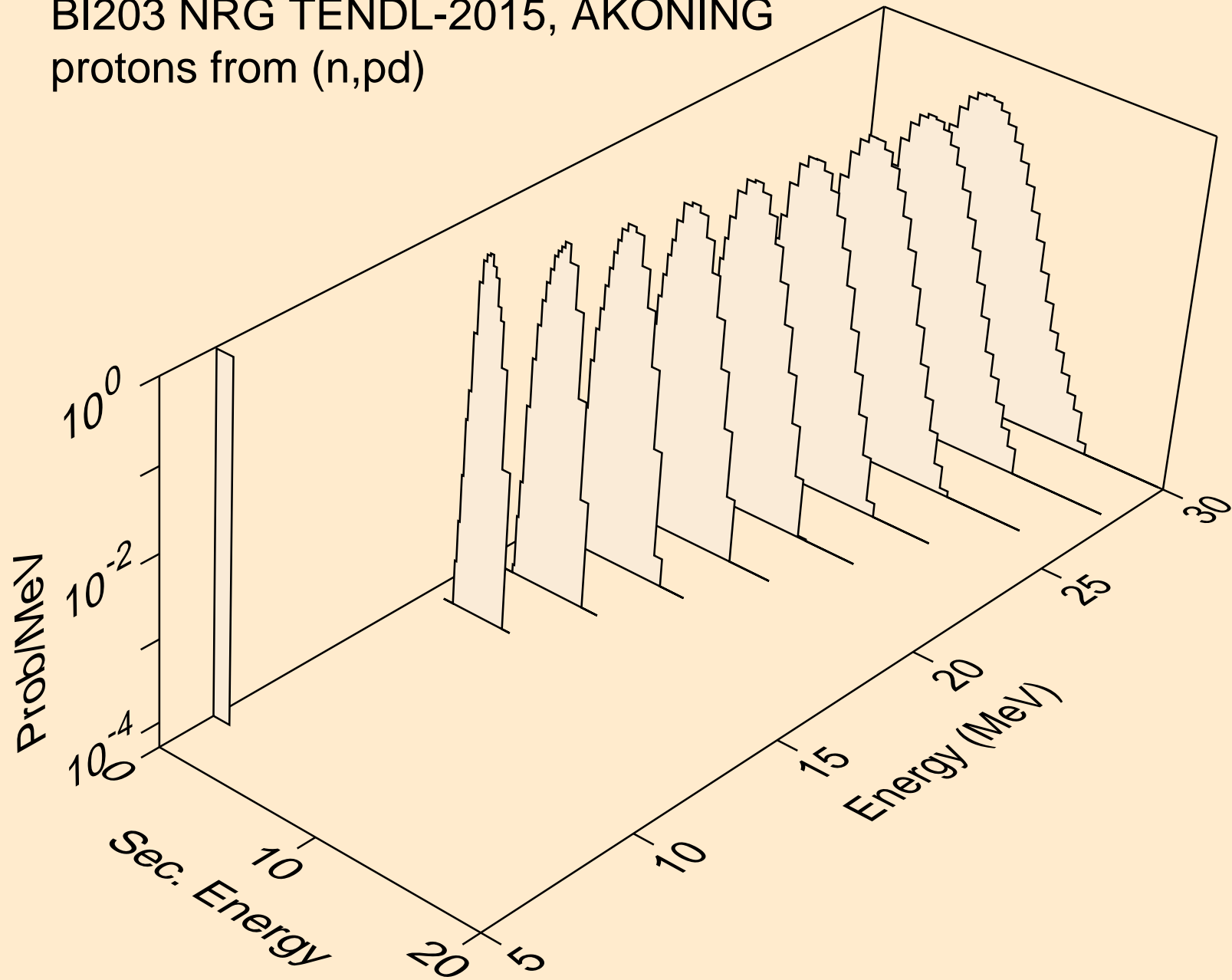
BI203 NRG TENDL-2015, AKONING  
protons from (n,2p)



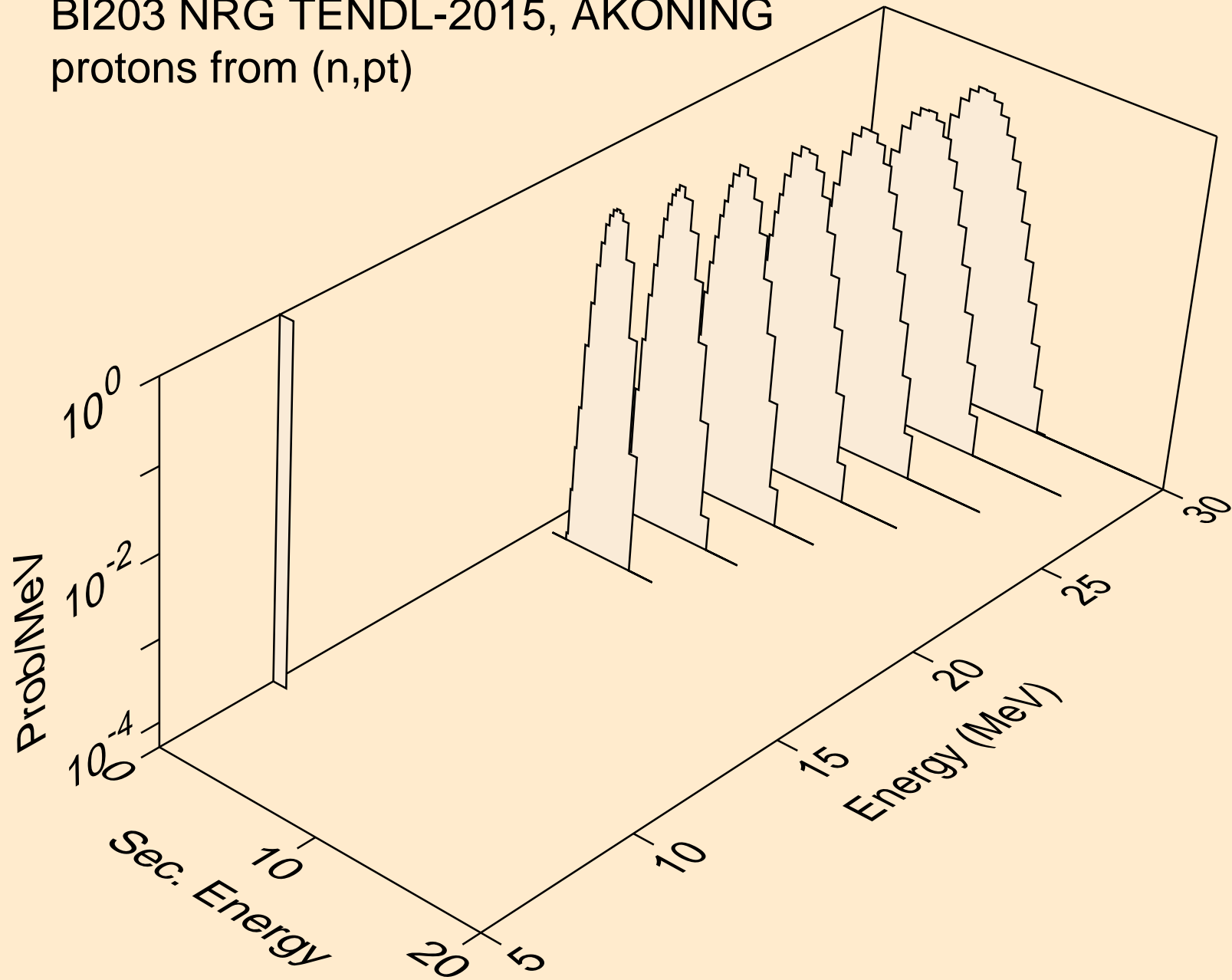
BI203 NRG TENDL-2015, AKONING  
protons from (n,pa)



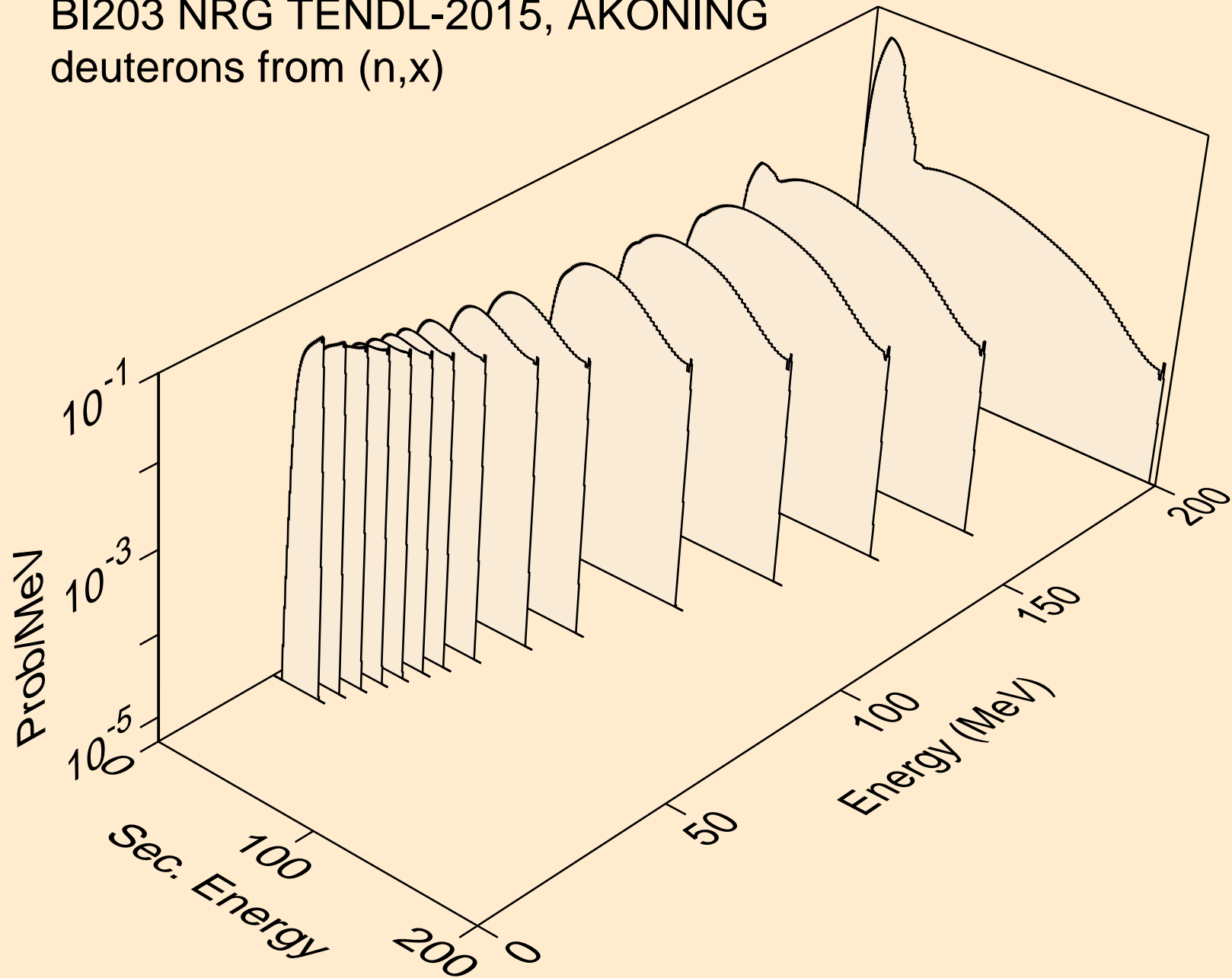
BI203 NRG TENDL-2015, AKONING  
protons from (n,pd)



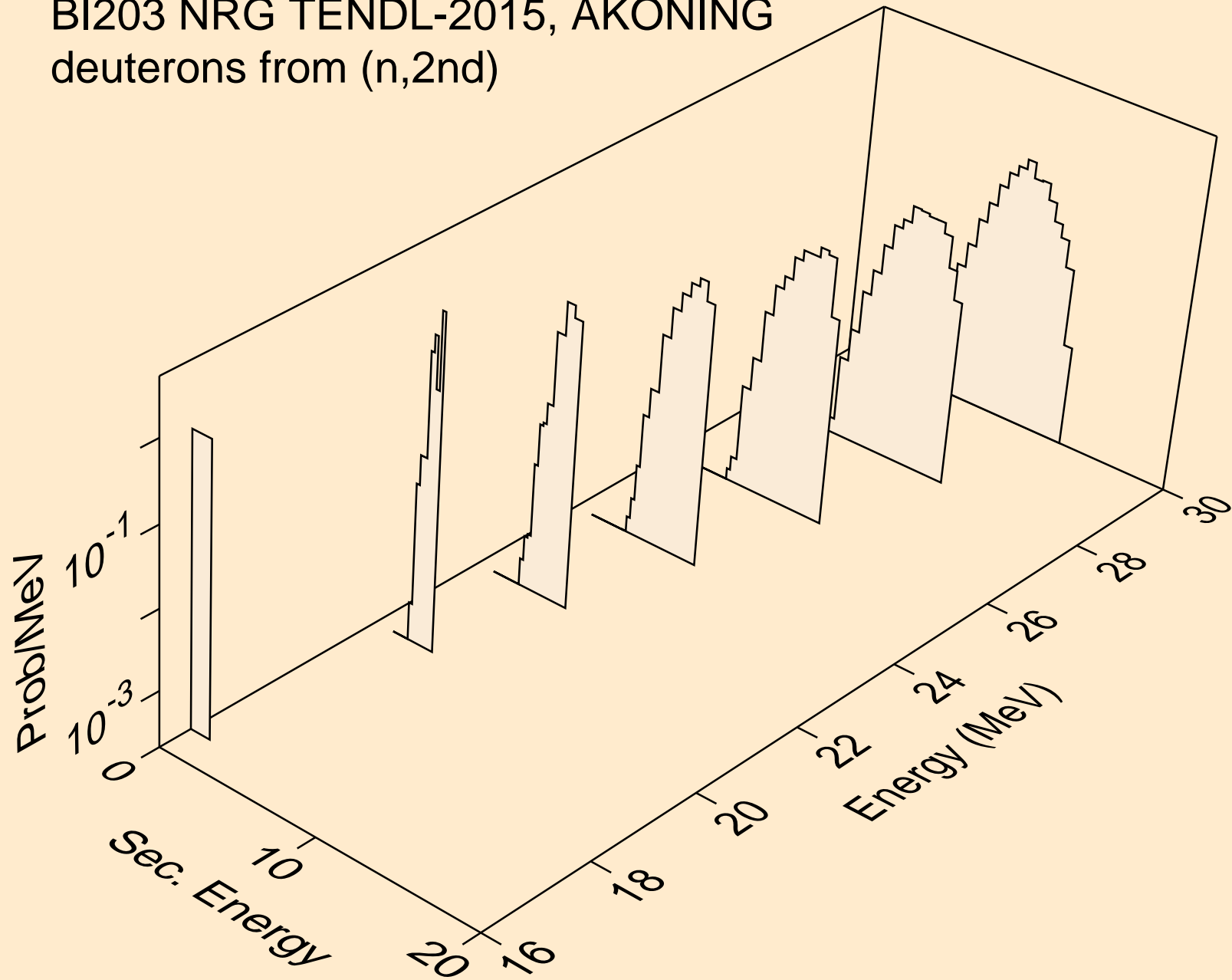
BI203 NRG TENDL-2015, AKONING  
protons from (n,pt)



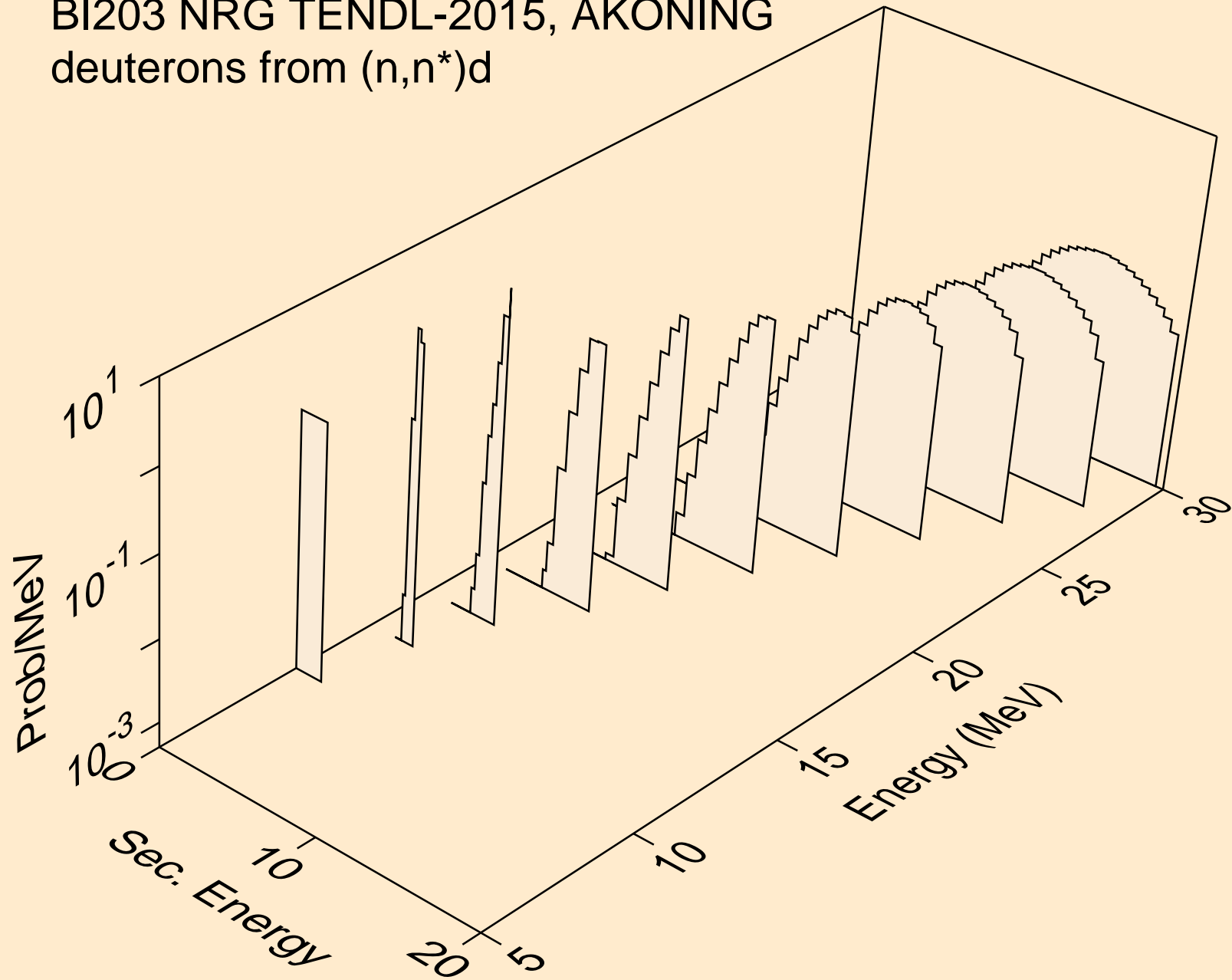
BI203 NRG TENDL-2015, AKONING  
deuterons from (n,x)



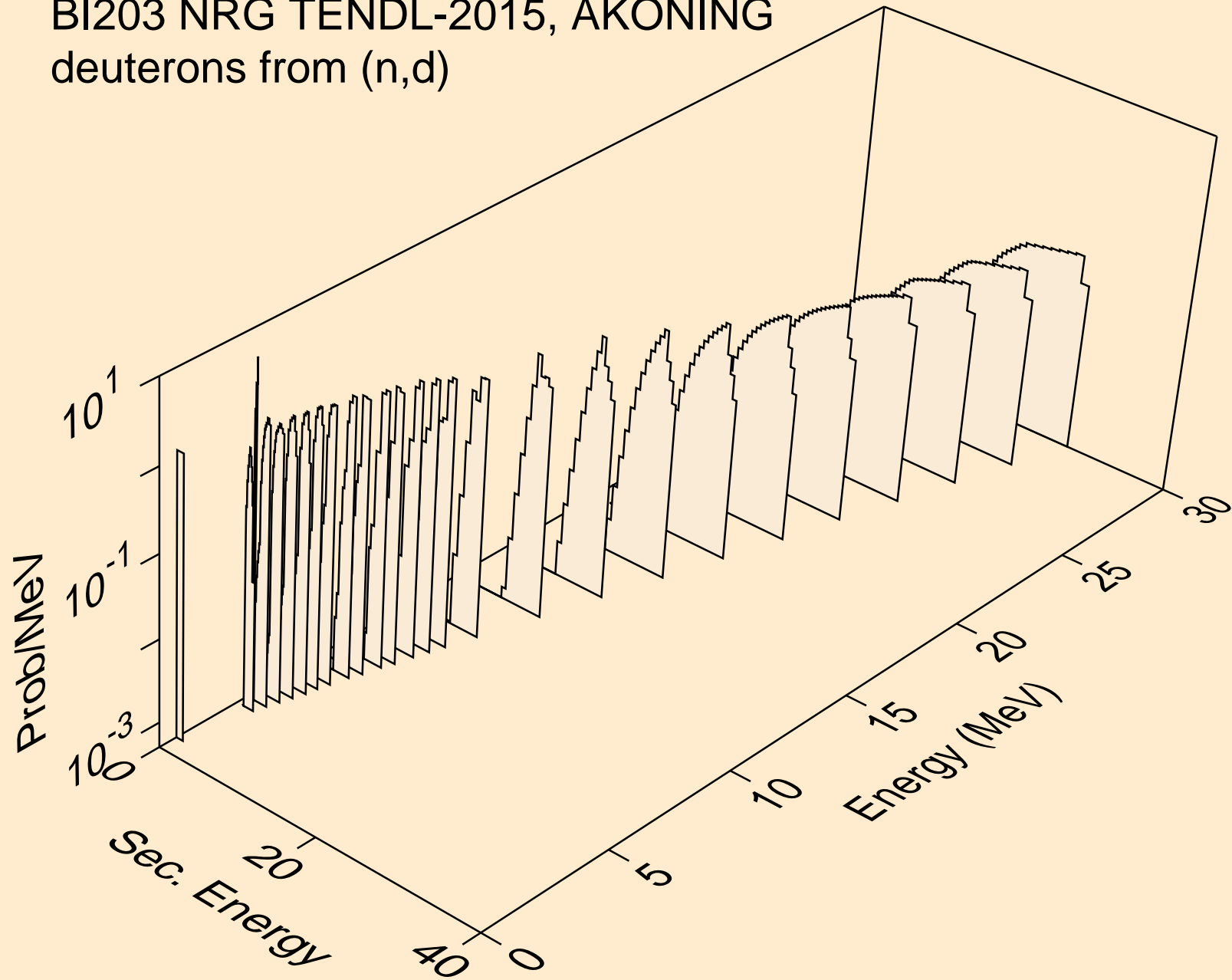
BI203 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



BI203 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d

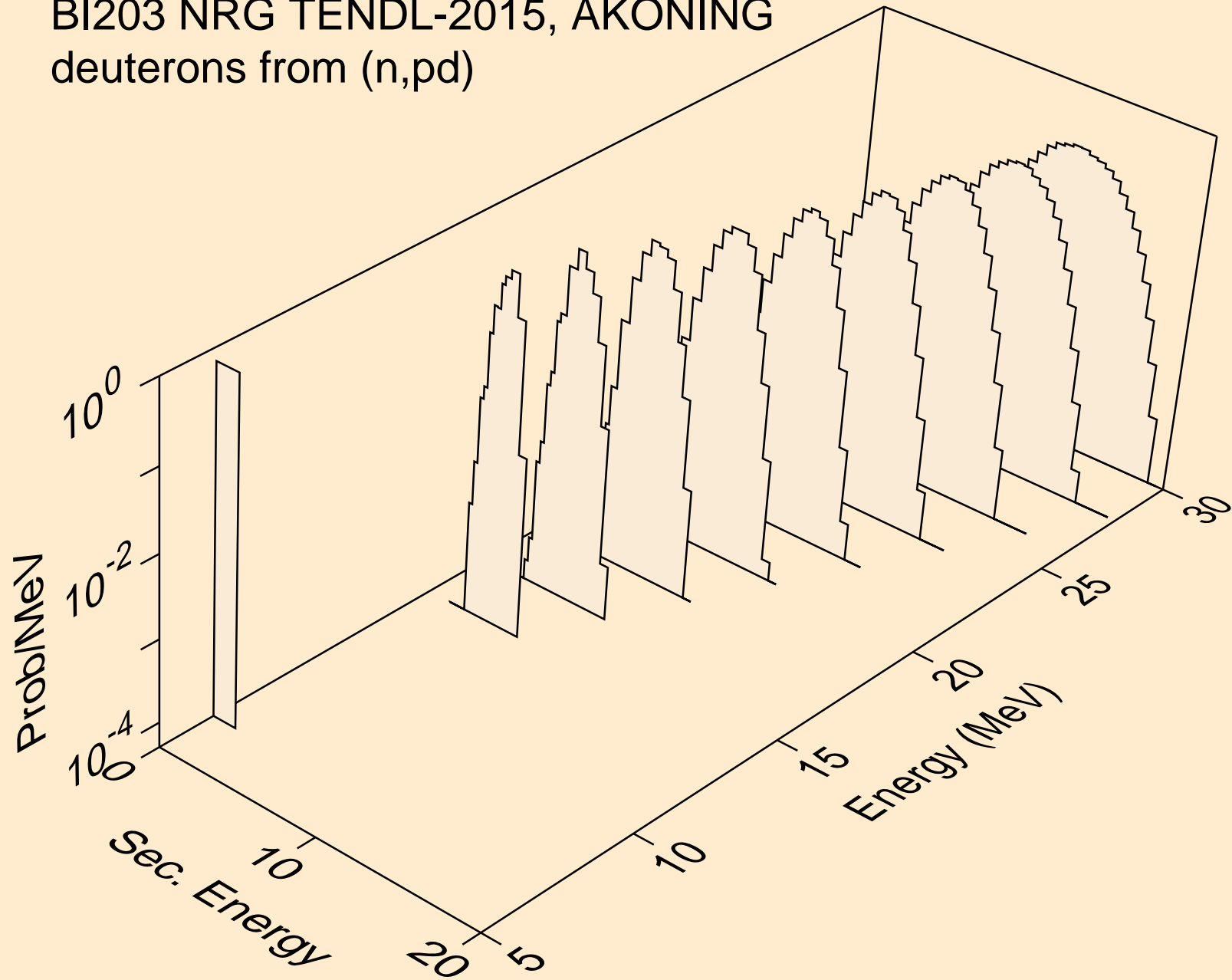


BI203 NRG TENDL-2015, AKONING  
deuterons from (n,d)

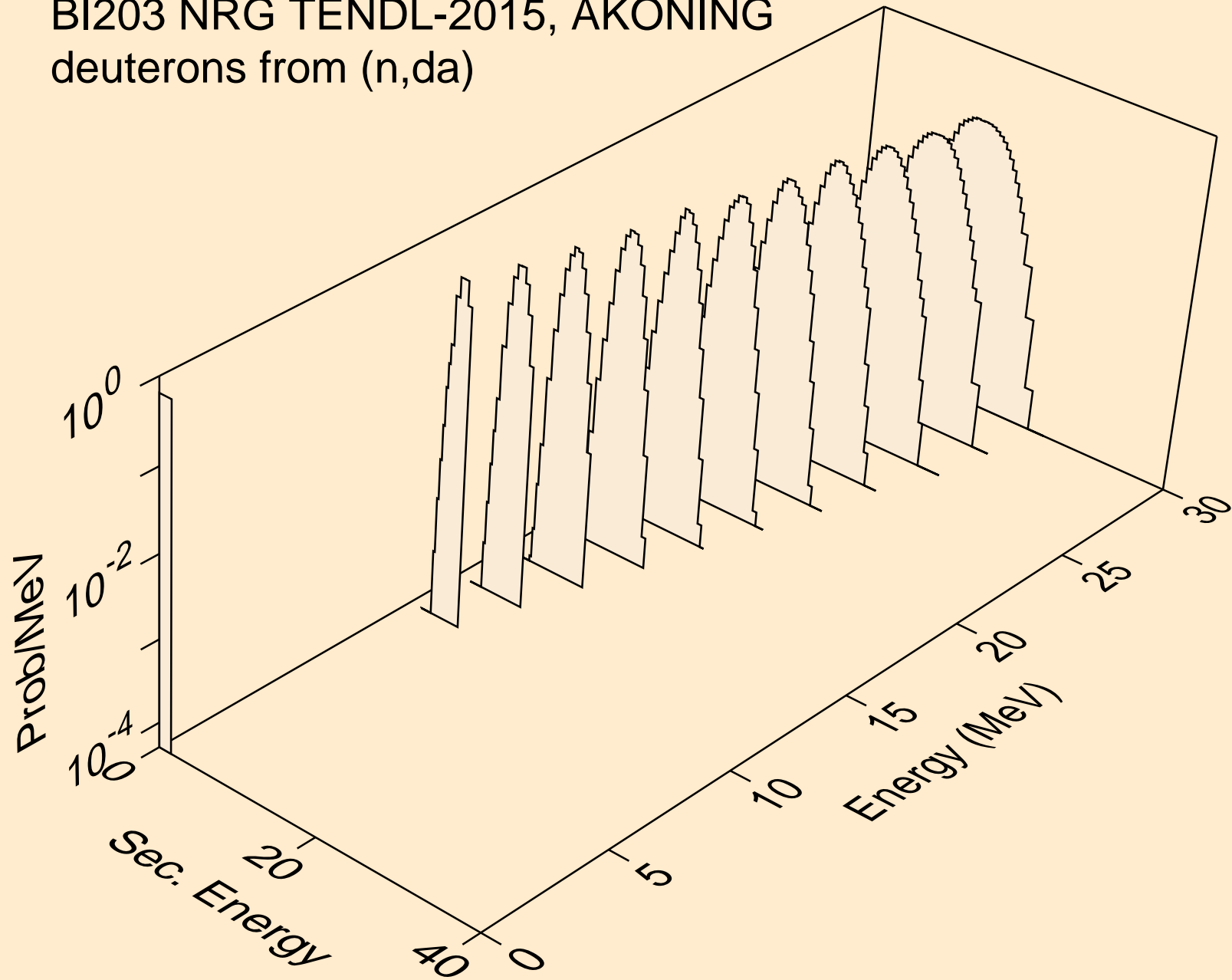




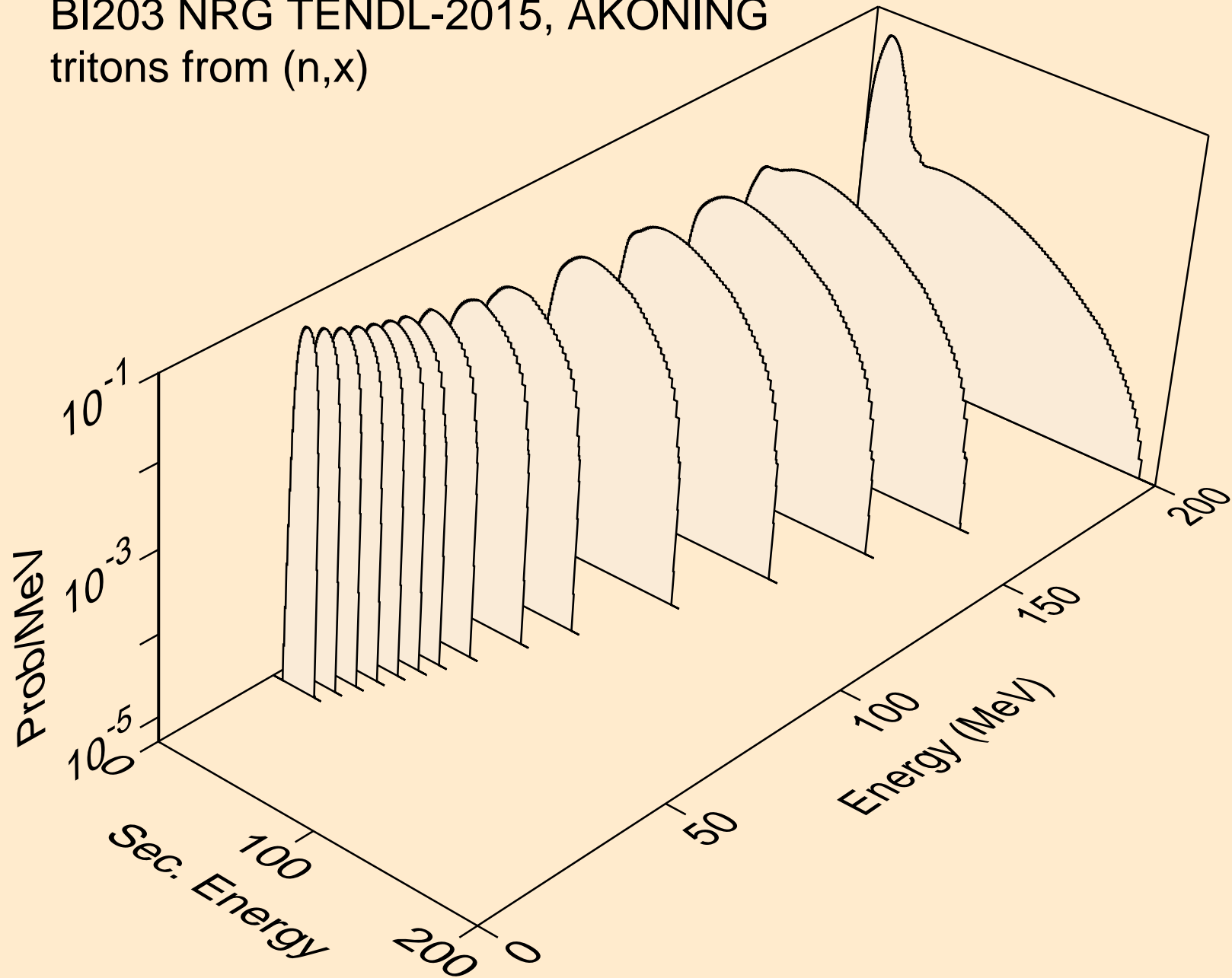
BI203 NRG TENDL-2015, AKONING  
deuterons from (n,pd)



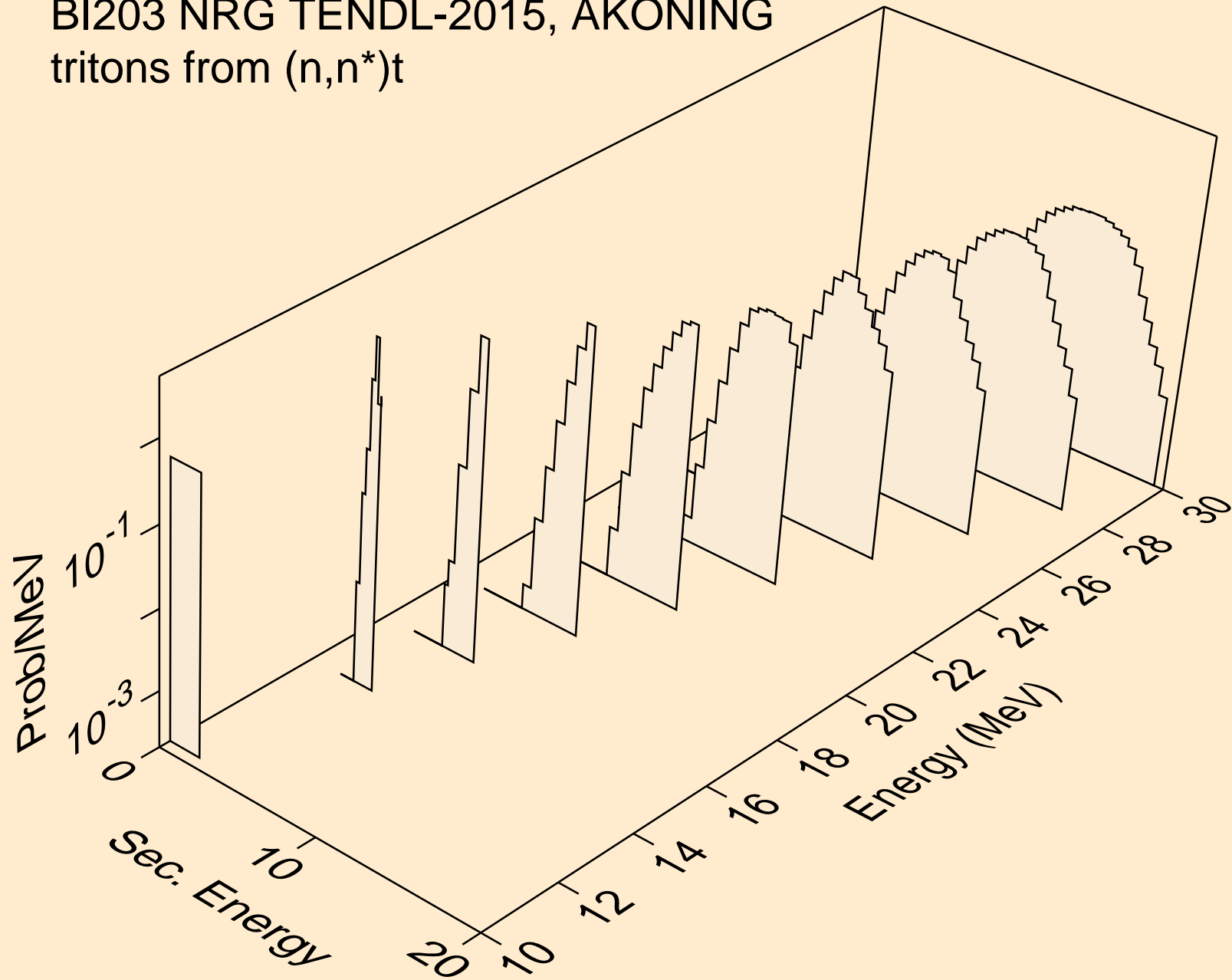
BI203 NRG TENDL-2015, AKONING  
deuterons from (n,da)



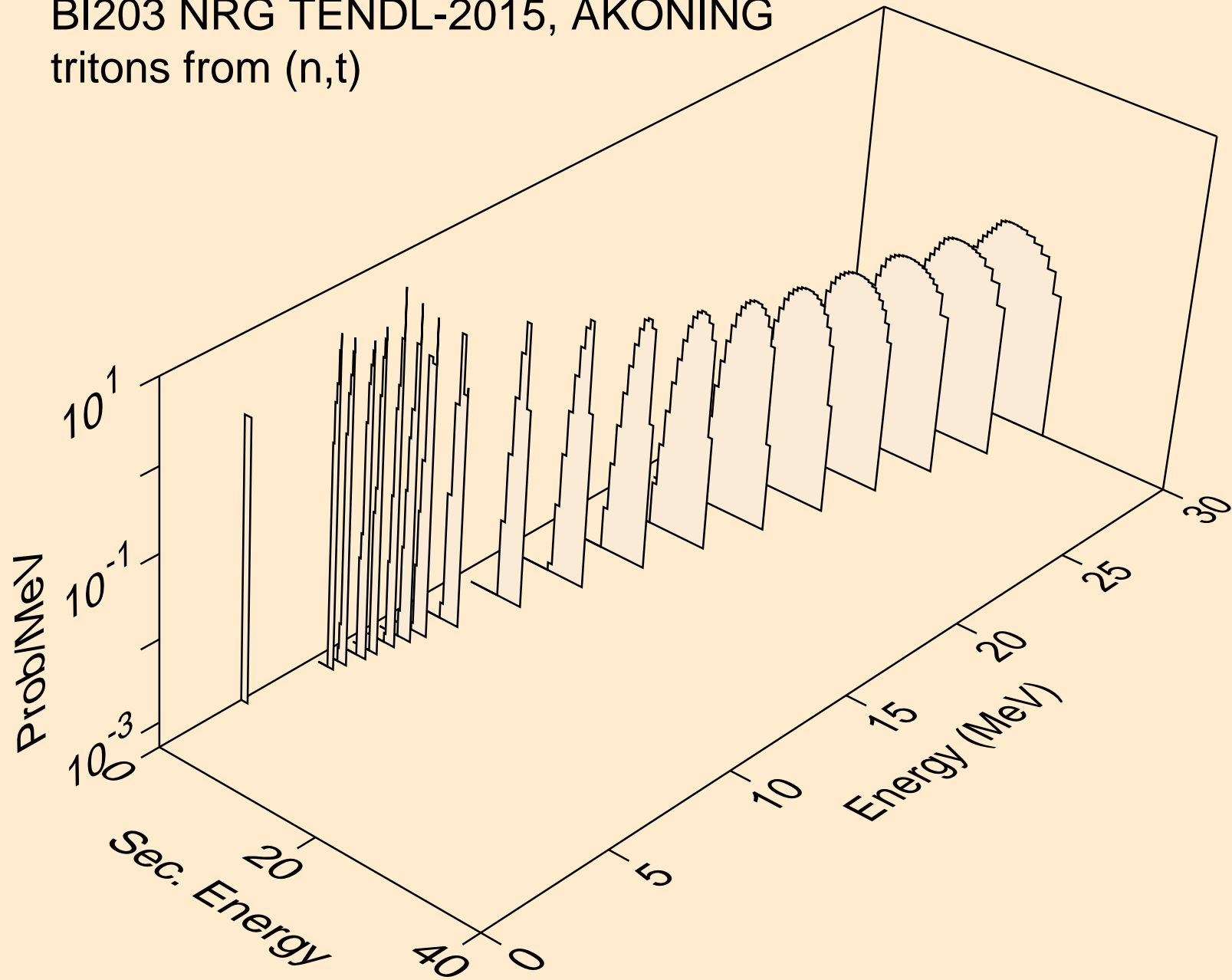
BI203 NRG TENDL-2015, AKONING  
tritons from (n,x)



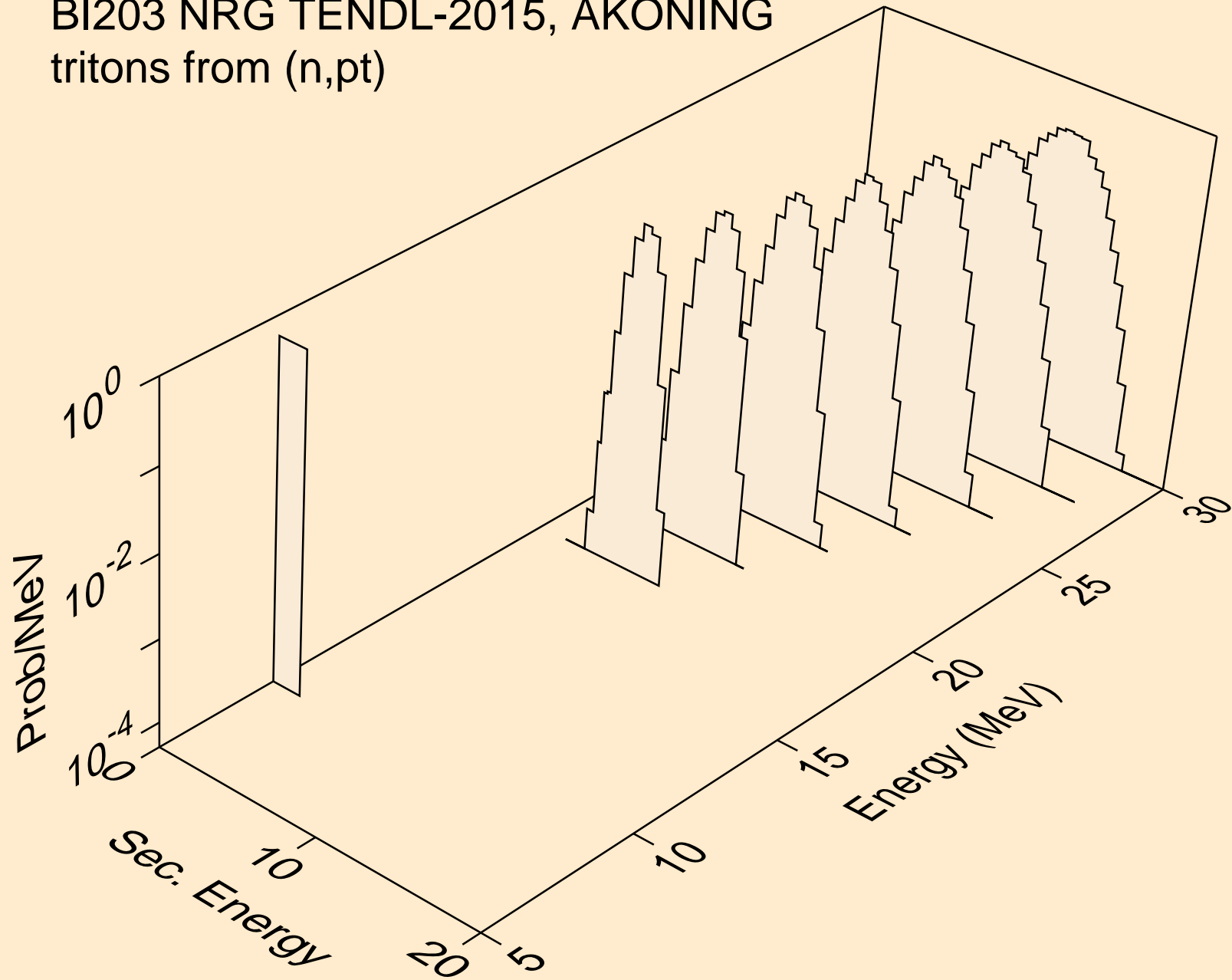
BI203 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



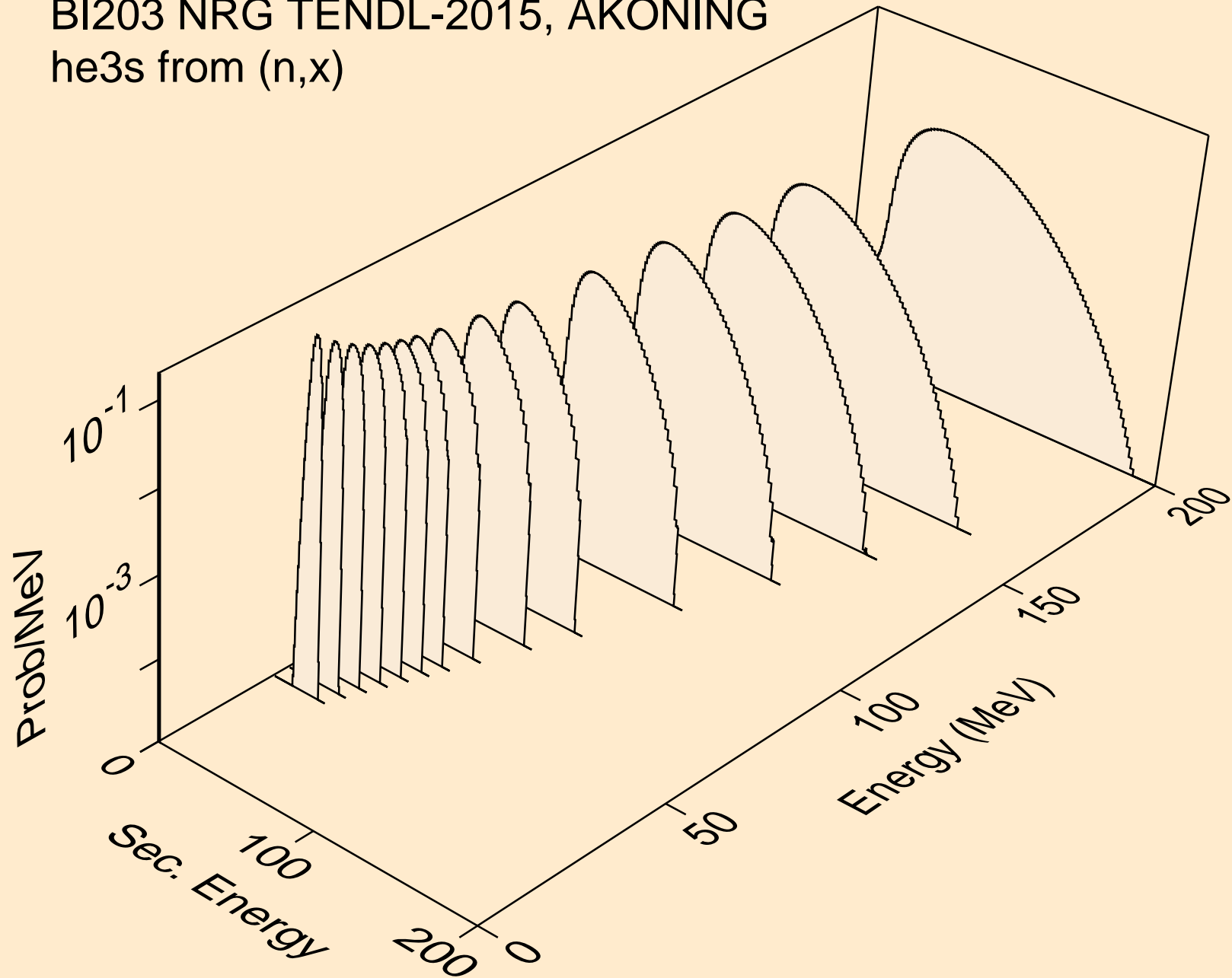
BI203 NRG TENDL-2015, AKONING  
tritons from (n,t)



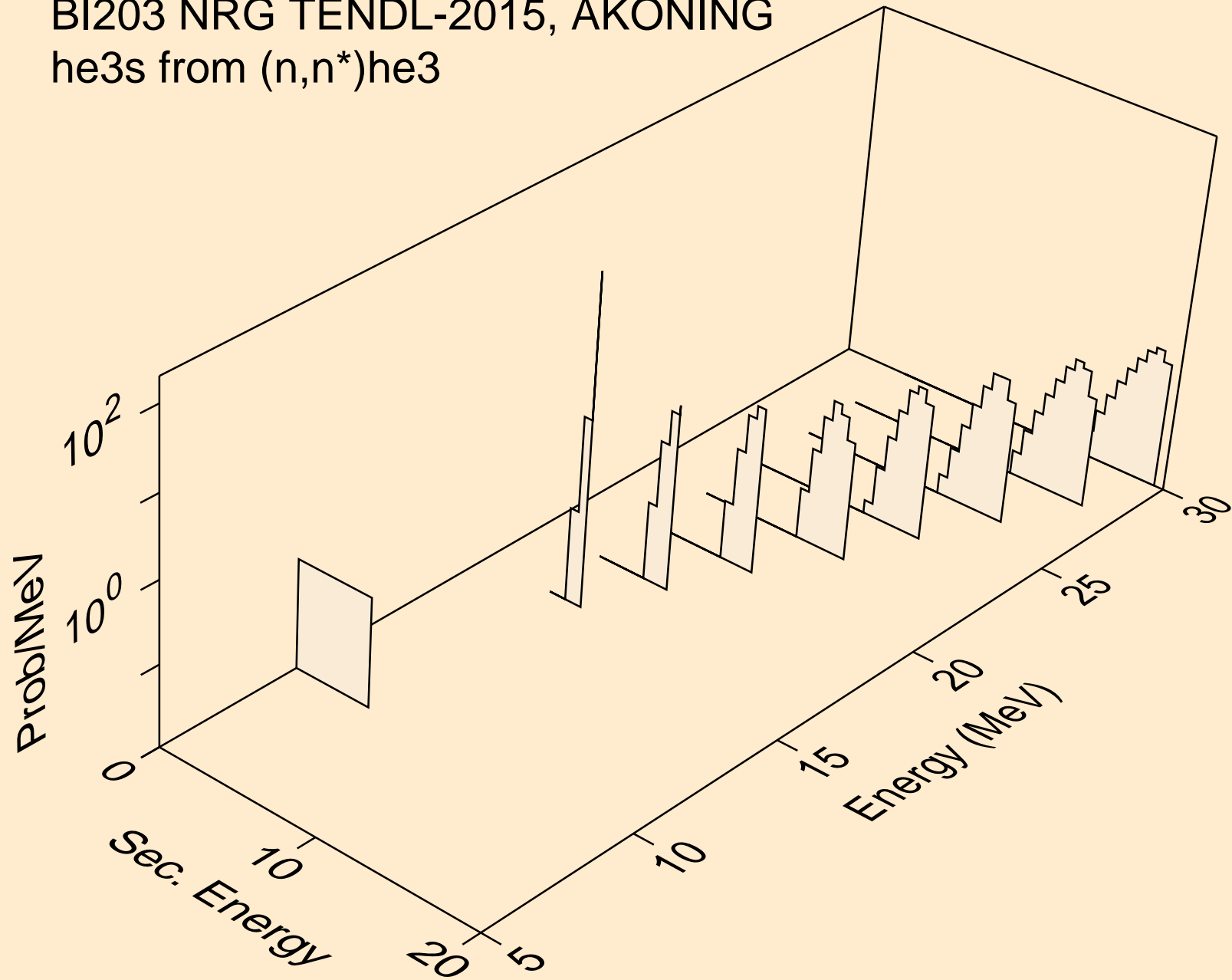
BI203 NRG TENDL-2015, AKONING  
tritons from (n,pt)



BI203 NRG TENDL-2015, AKONING  
he3s from (n,x)

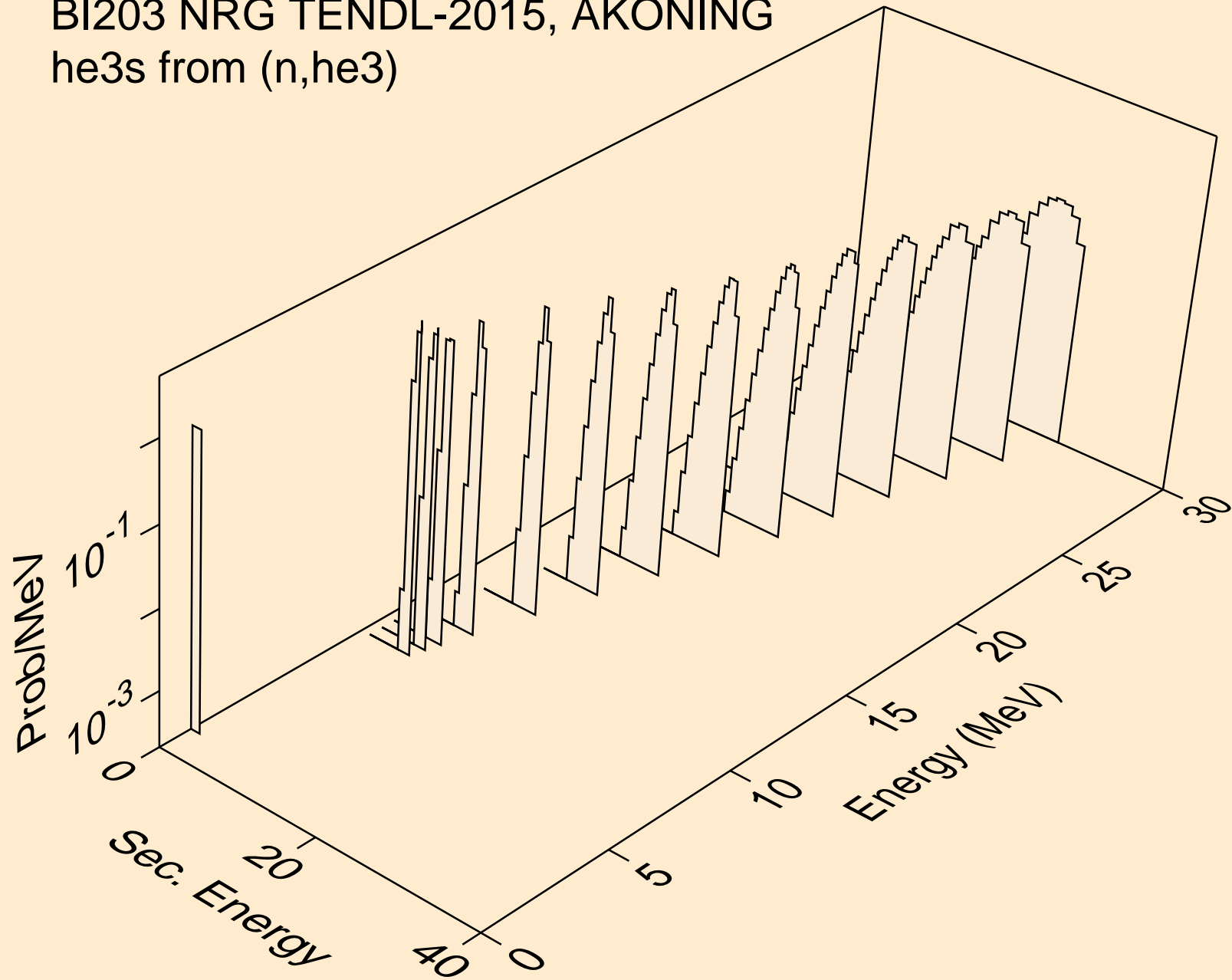


BI203 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3

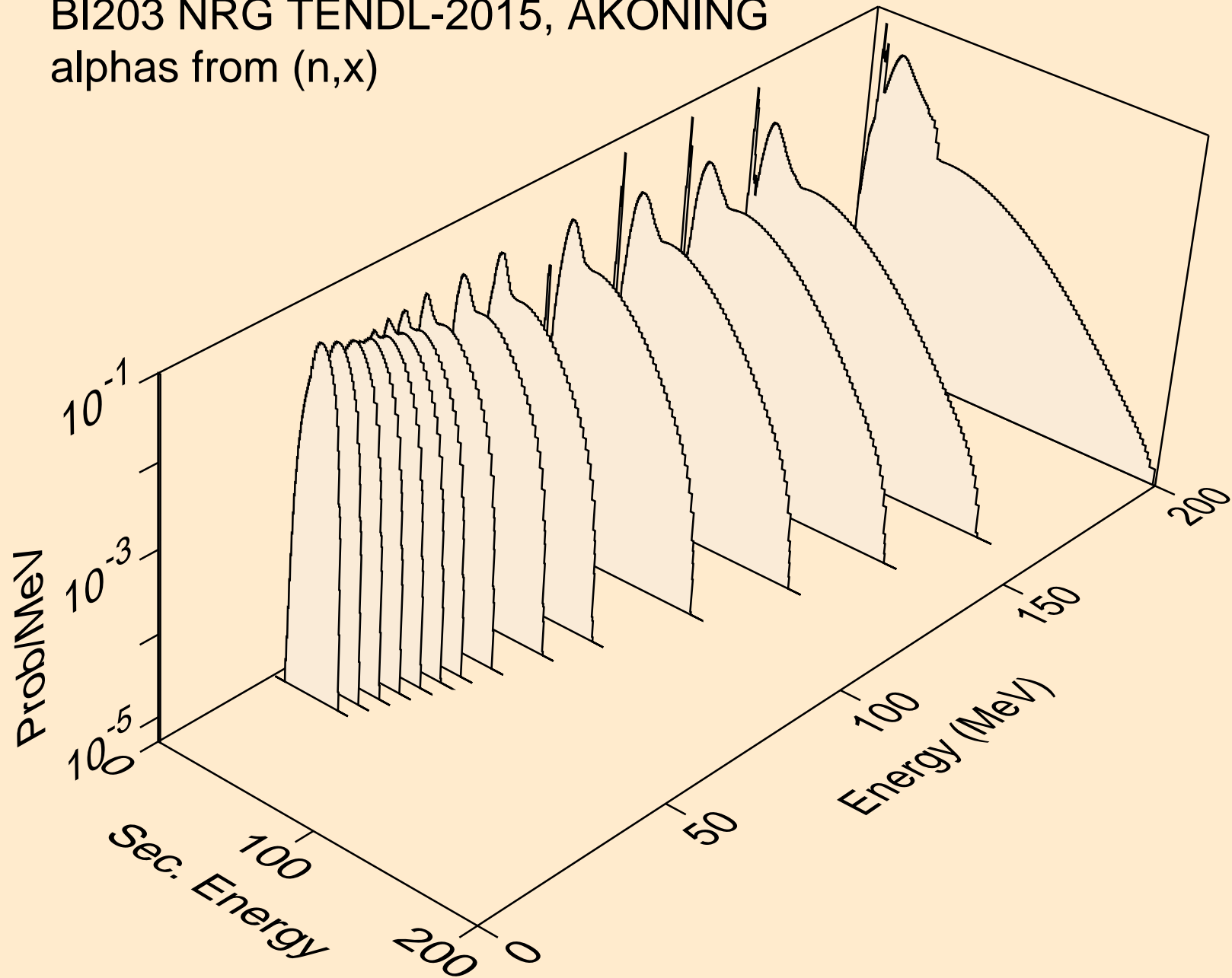




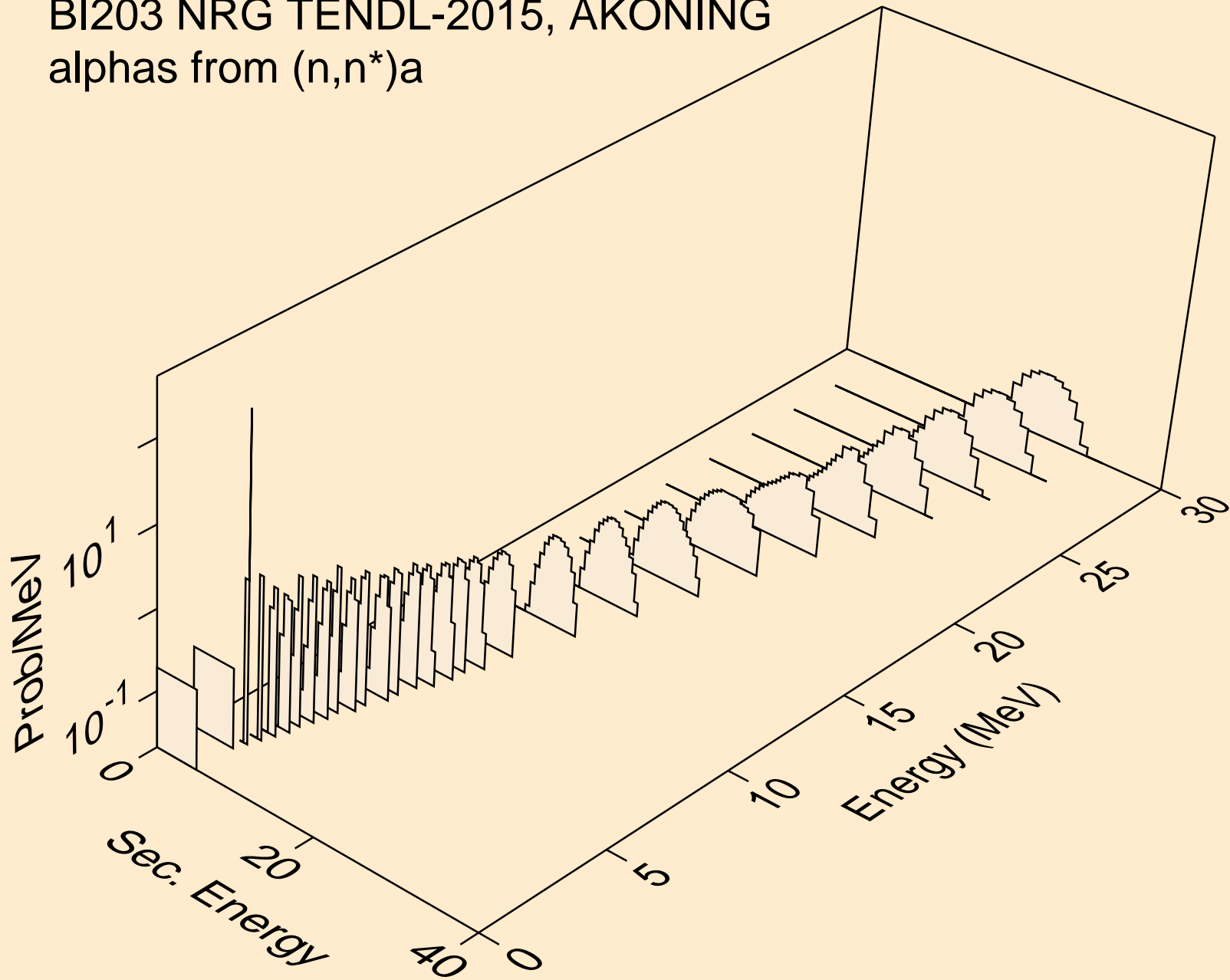
BI203 NRG TENDL-2015, AKONING  
he3s from (n,he3)



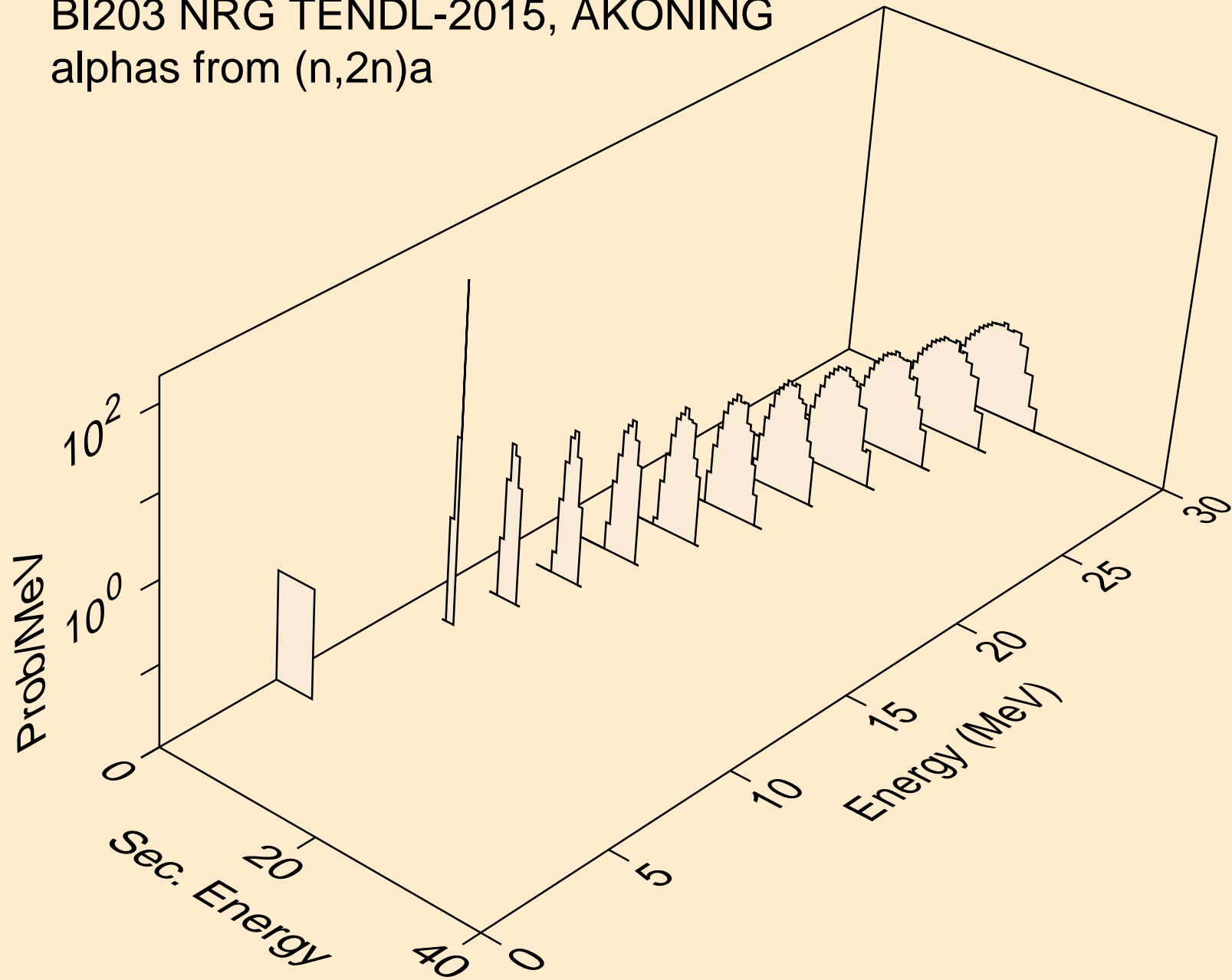
BI203 NRG TENDL-2015, AKONING  
alphas from (n,x)



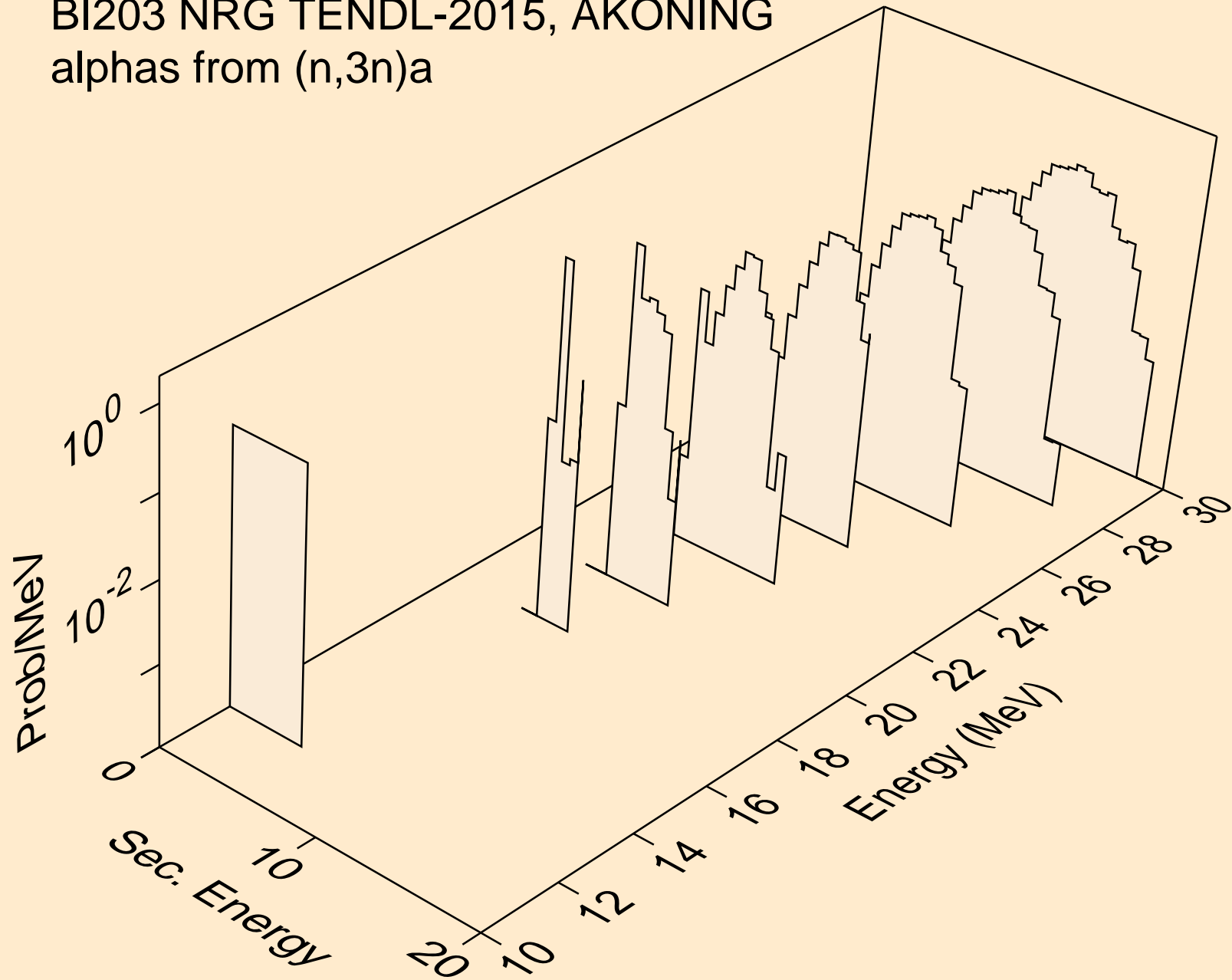
BI203 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



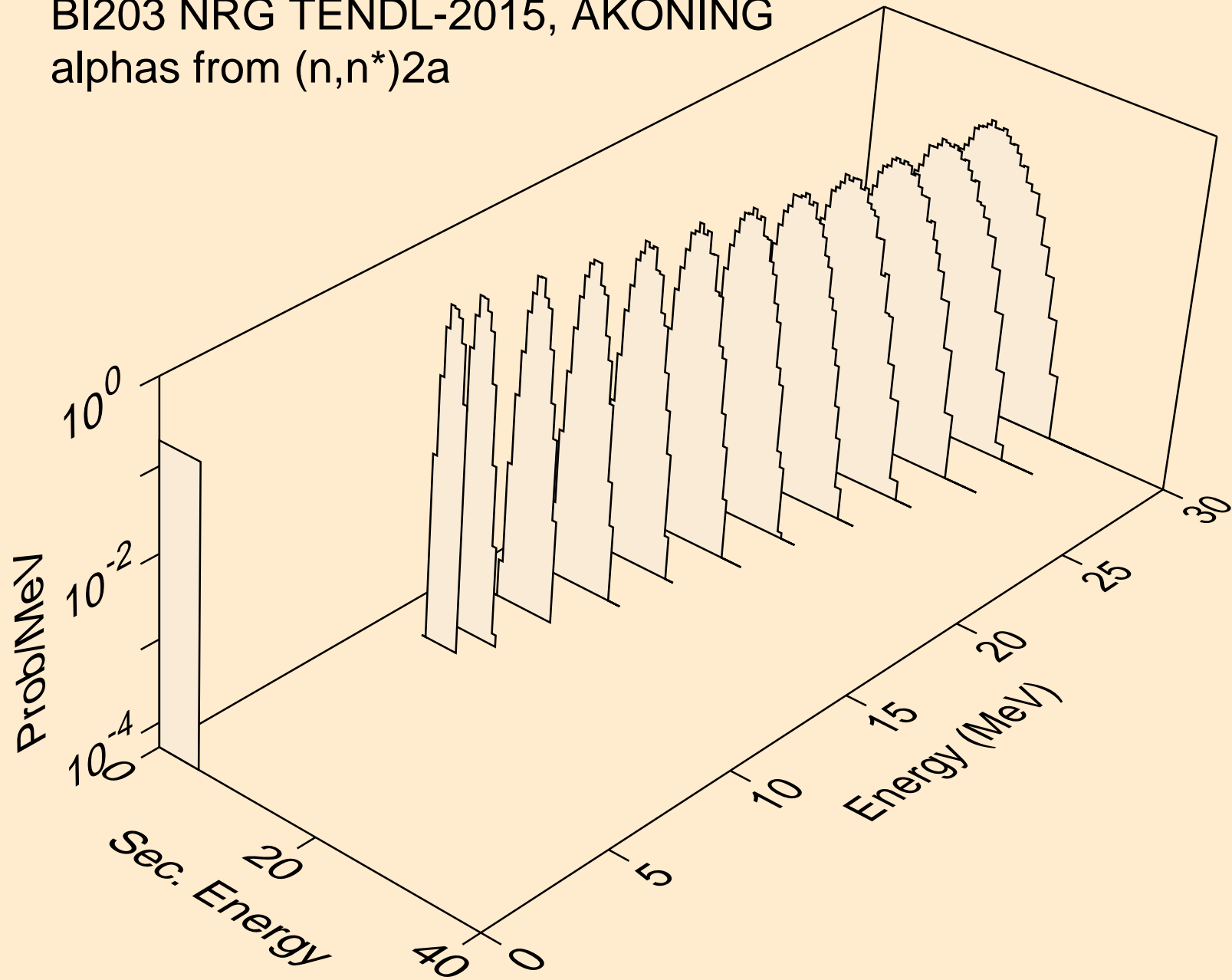
BI203 NRG TENDL-2015, AKONING  
alphas from (n,2n)a



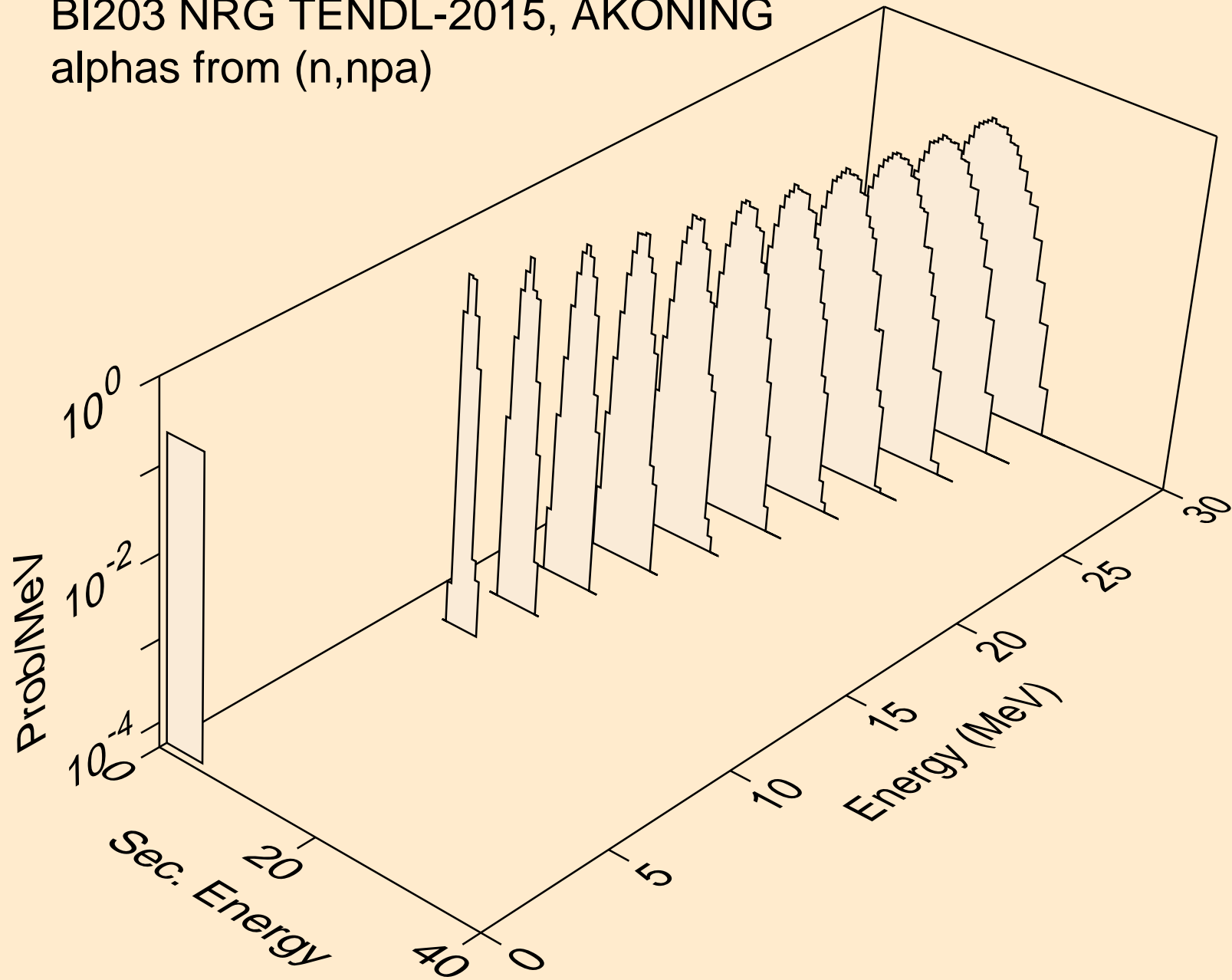
BI203 NRG TENDL-2015, AKONING  
alphas from (n,3n)a



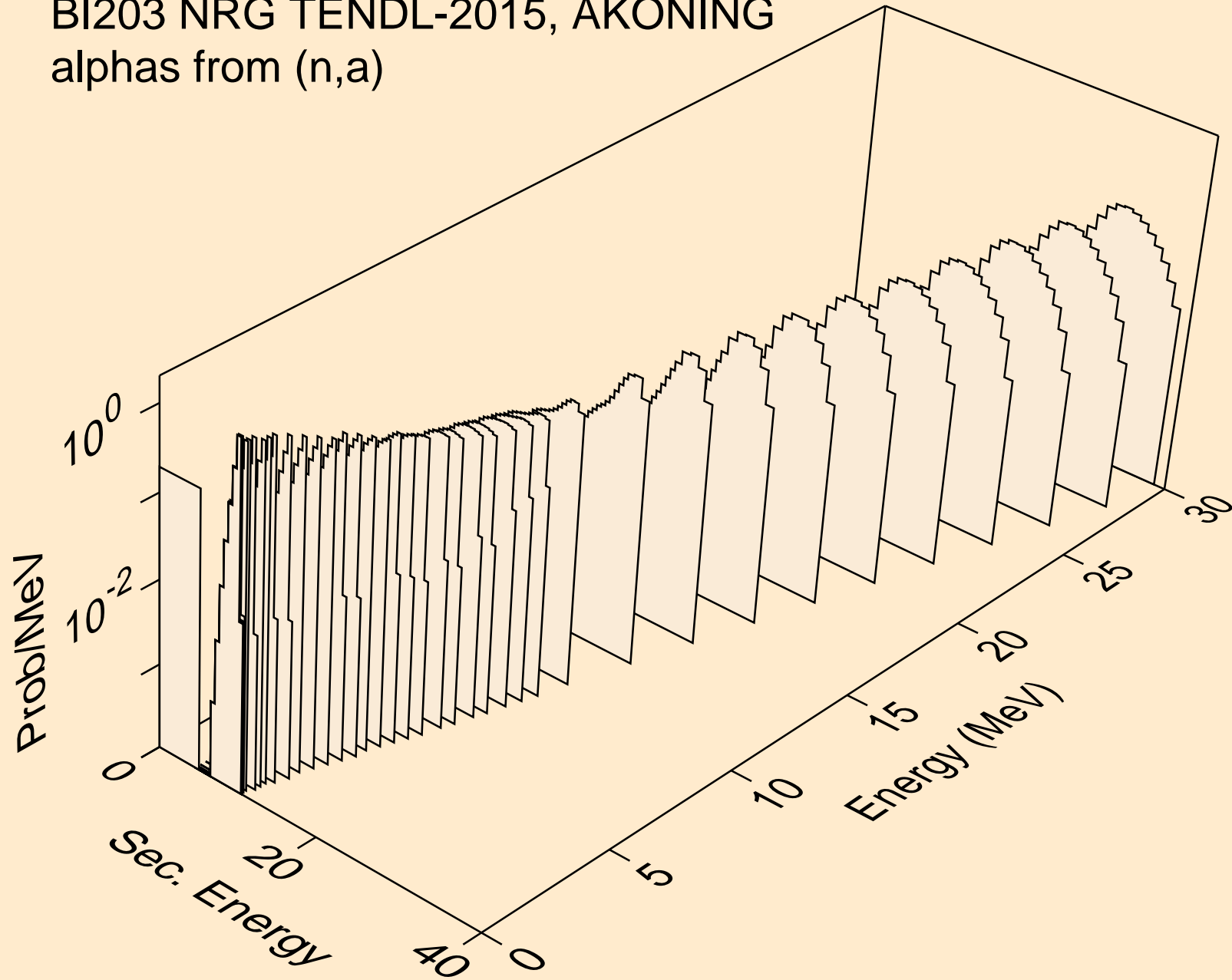
BI203 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



BI203 NRG TENDL-2015, AKONING  
alphas from (n,npa)

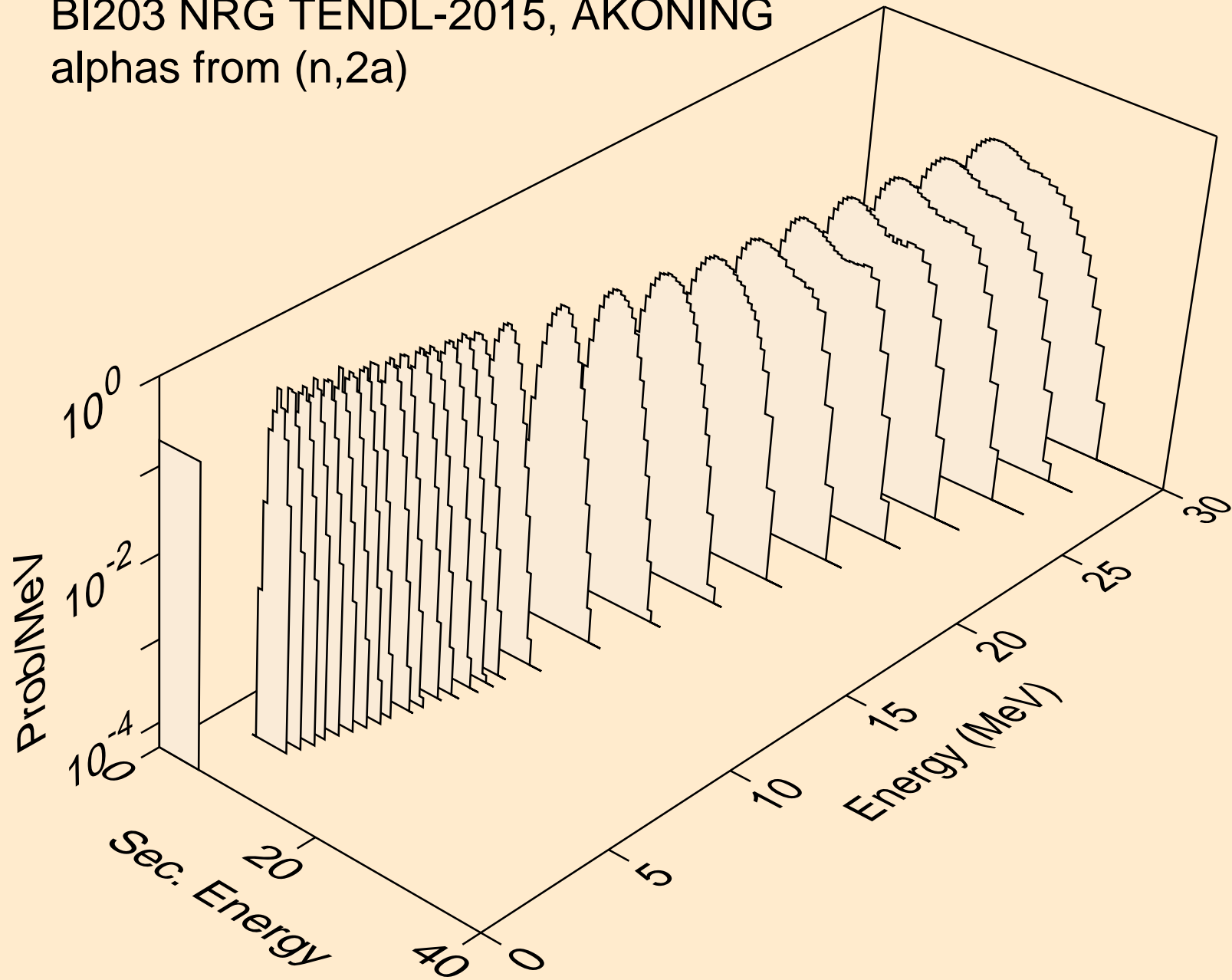


BI203 NRG TENDL-2015, AKONING  
alphas from (n,a)

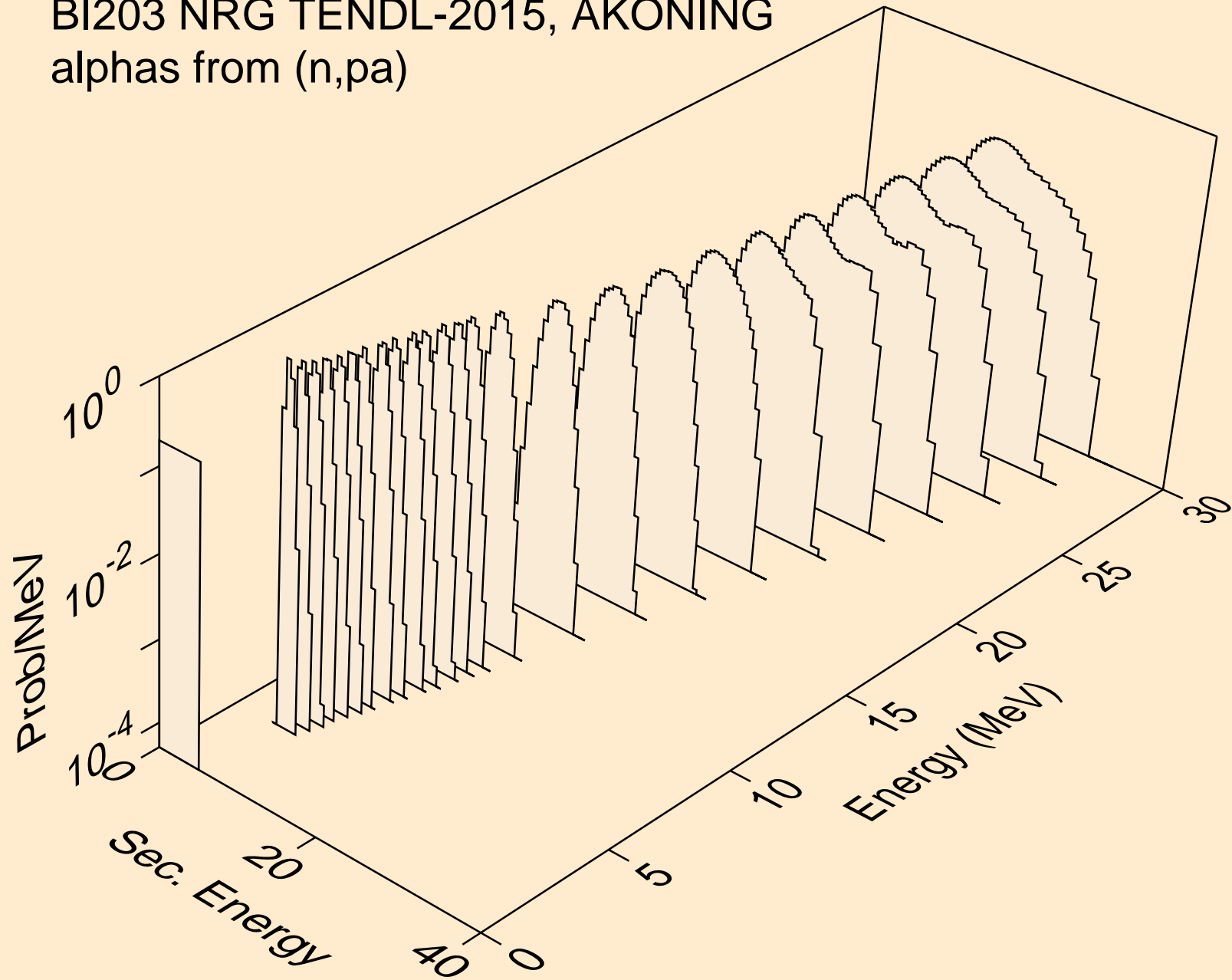




BI203 NRG TENDL-2015, AKONING  
alphas from (n,2a)



BI203 NRG TENDL-2015, AKONING  
alphas from (n,pa)



BI203 NRG TENDL-2015, AKONING  
alphas from (n,da)

