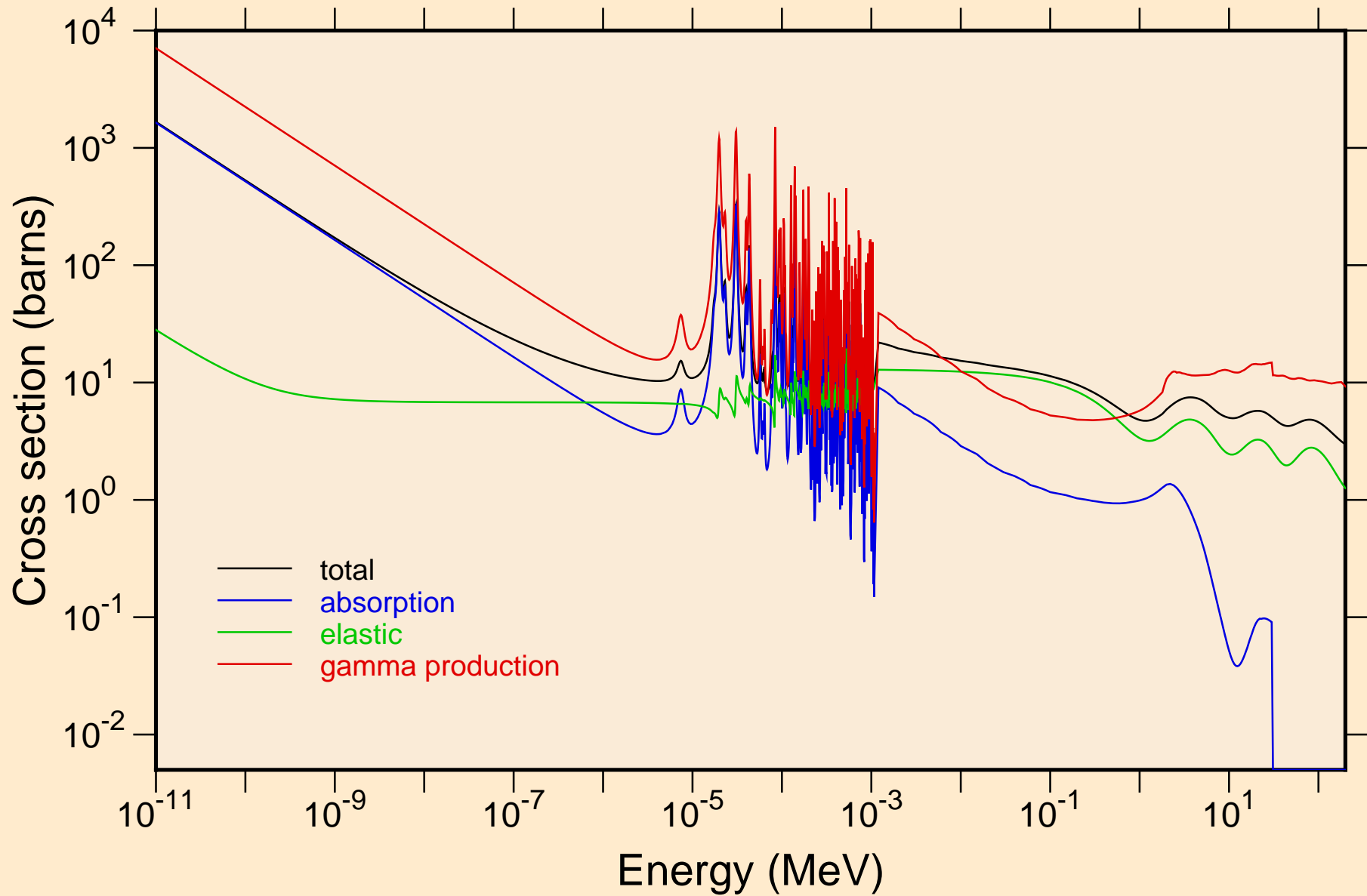
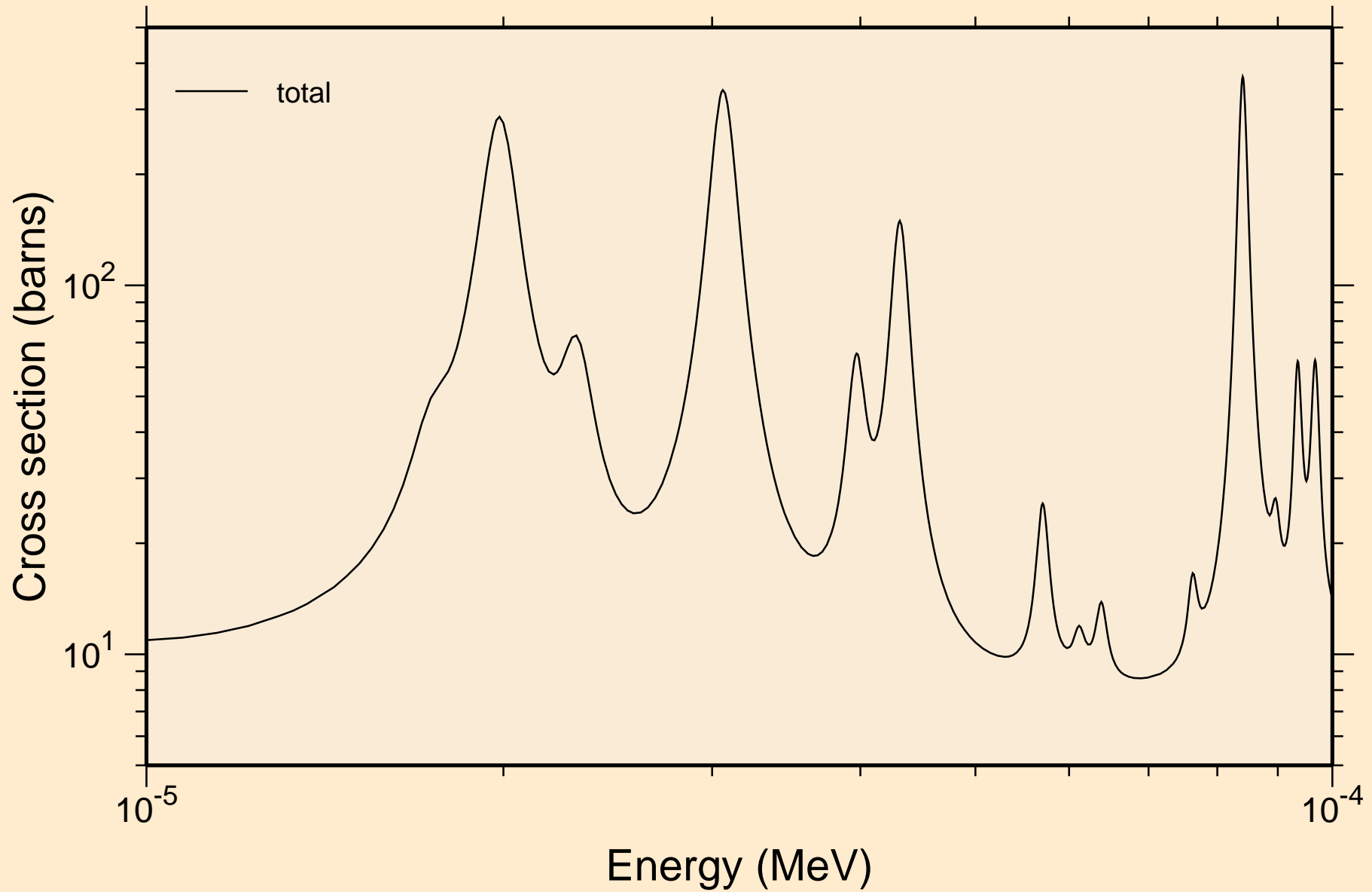


# BI204 NRG TENDL-2015, AKONING

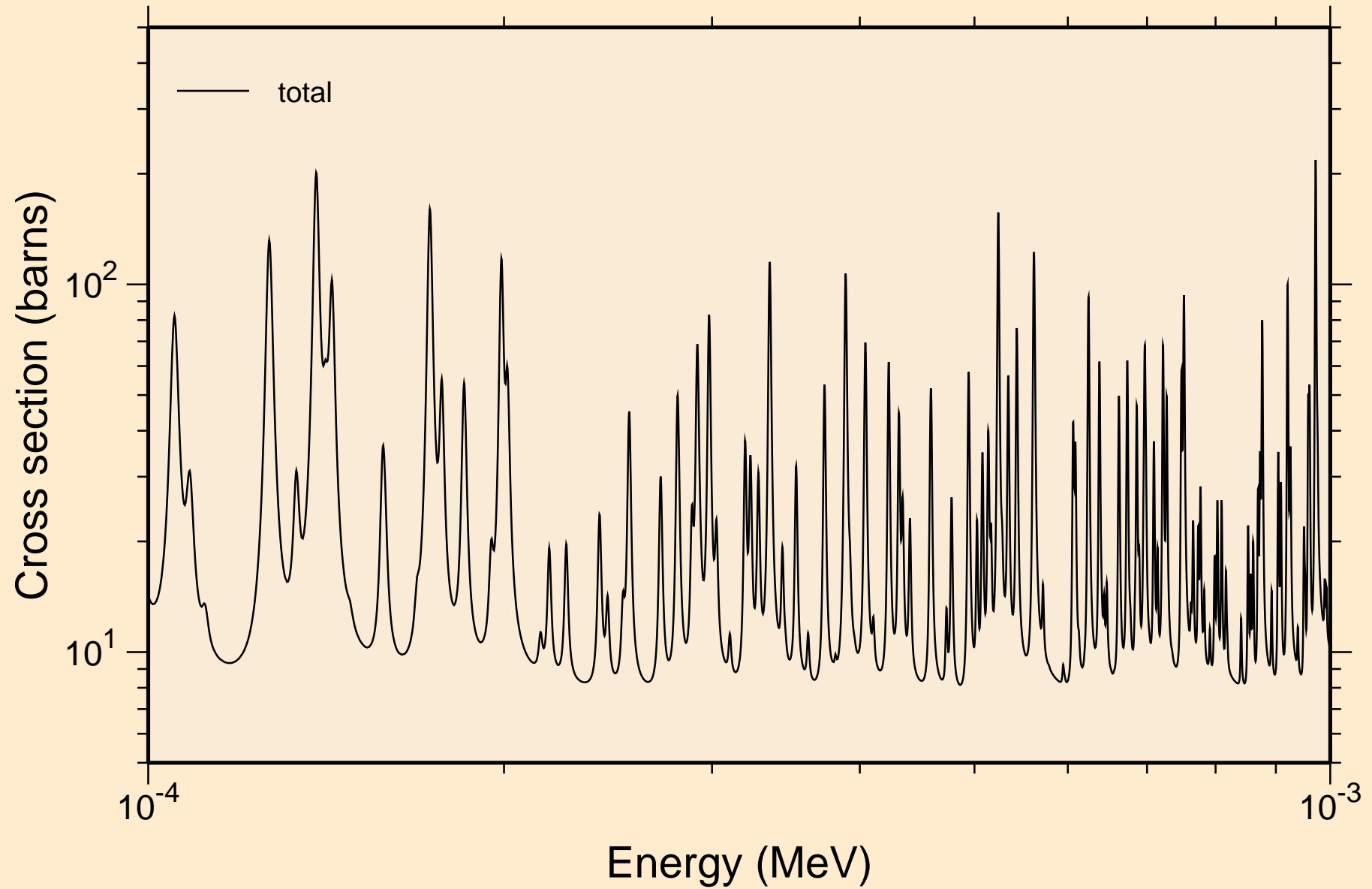
## Principal cross sections



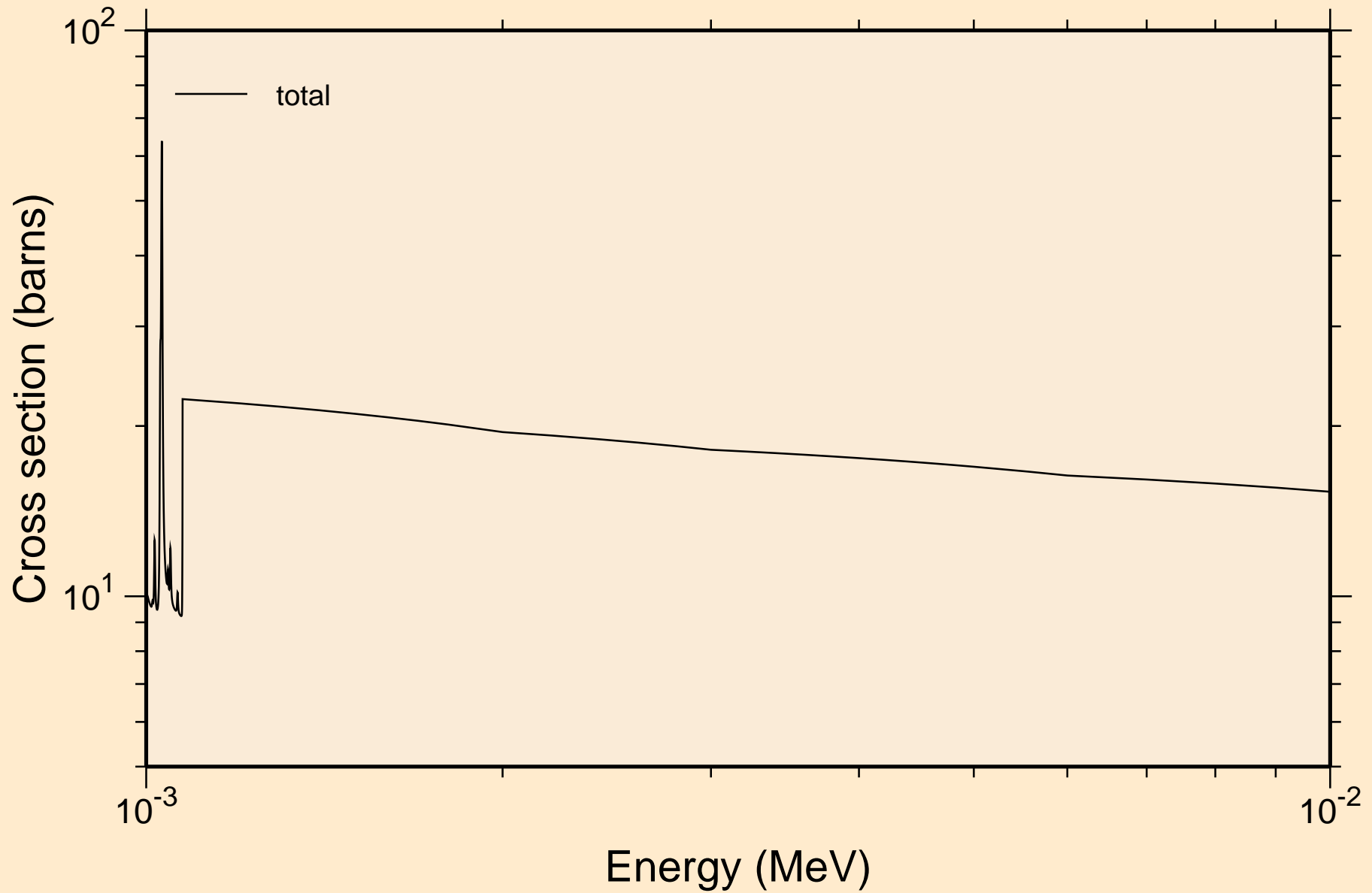
BI204 NRG TENDL-2015, AKONING  
resonance total cross section



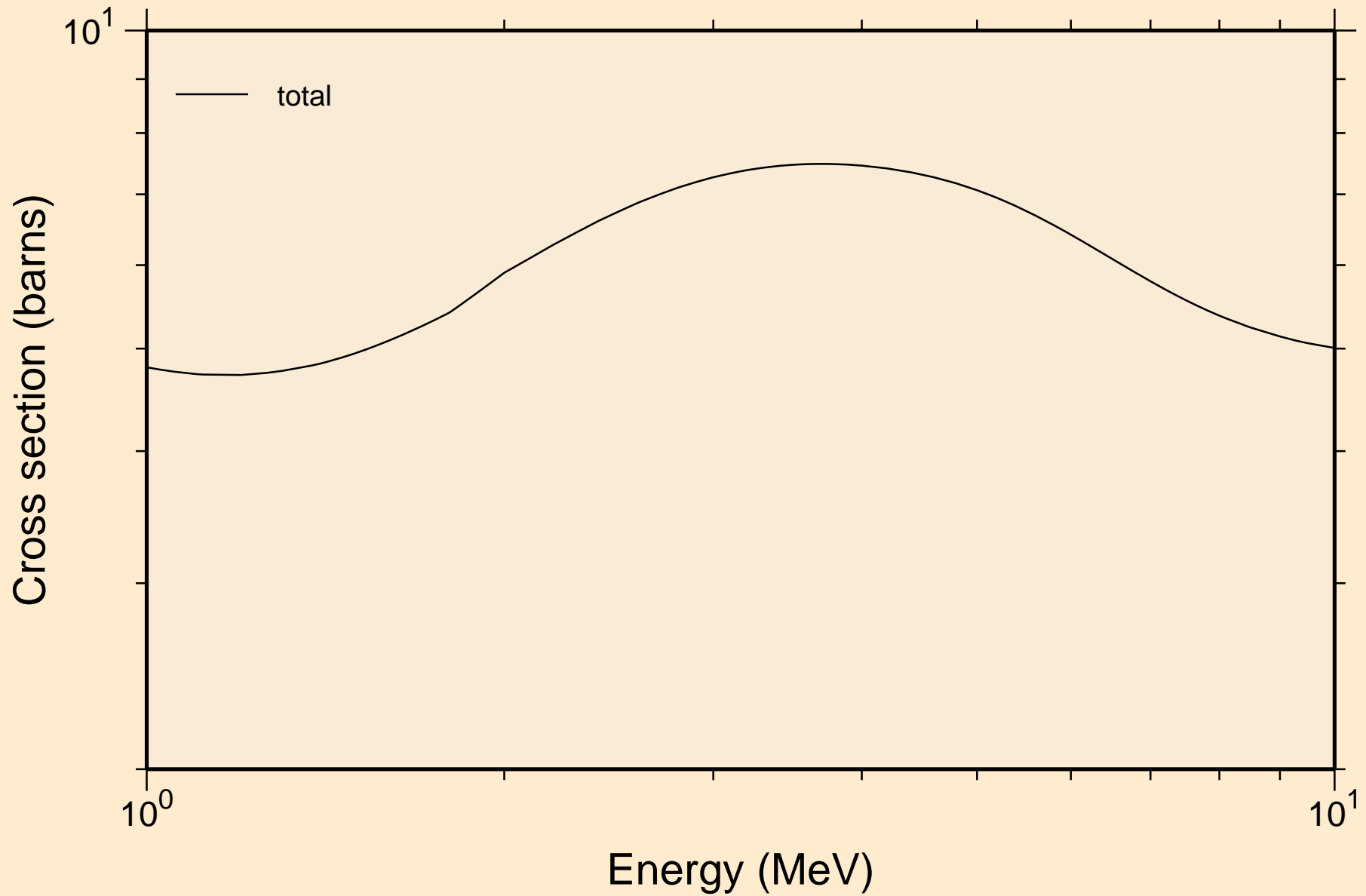
BI204 NRG TENDL-2015, AKONING  
resonance total cross section



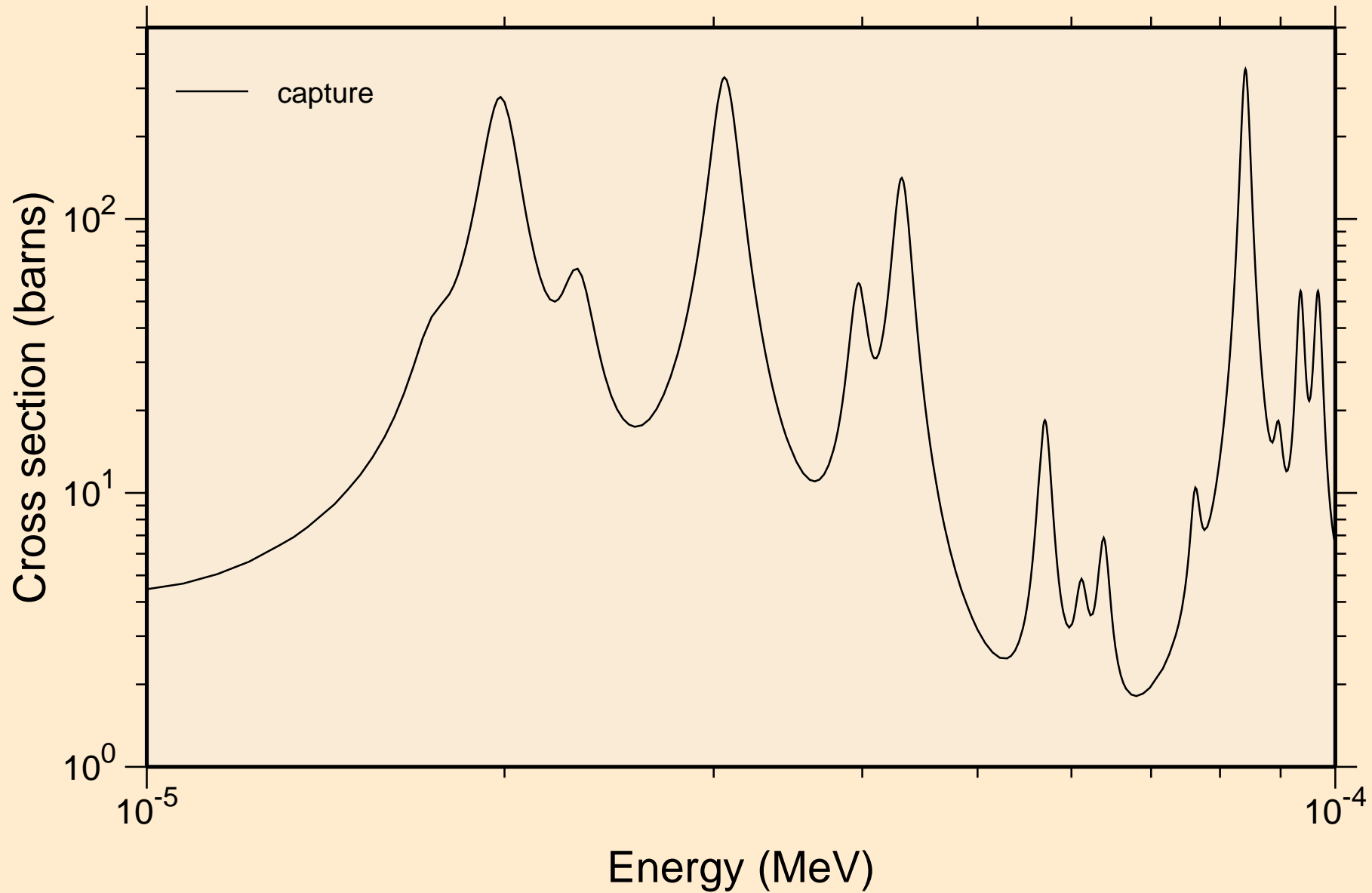
BI204 NRG TENDL-2015, AKONING  
resonance total cross section



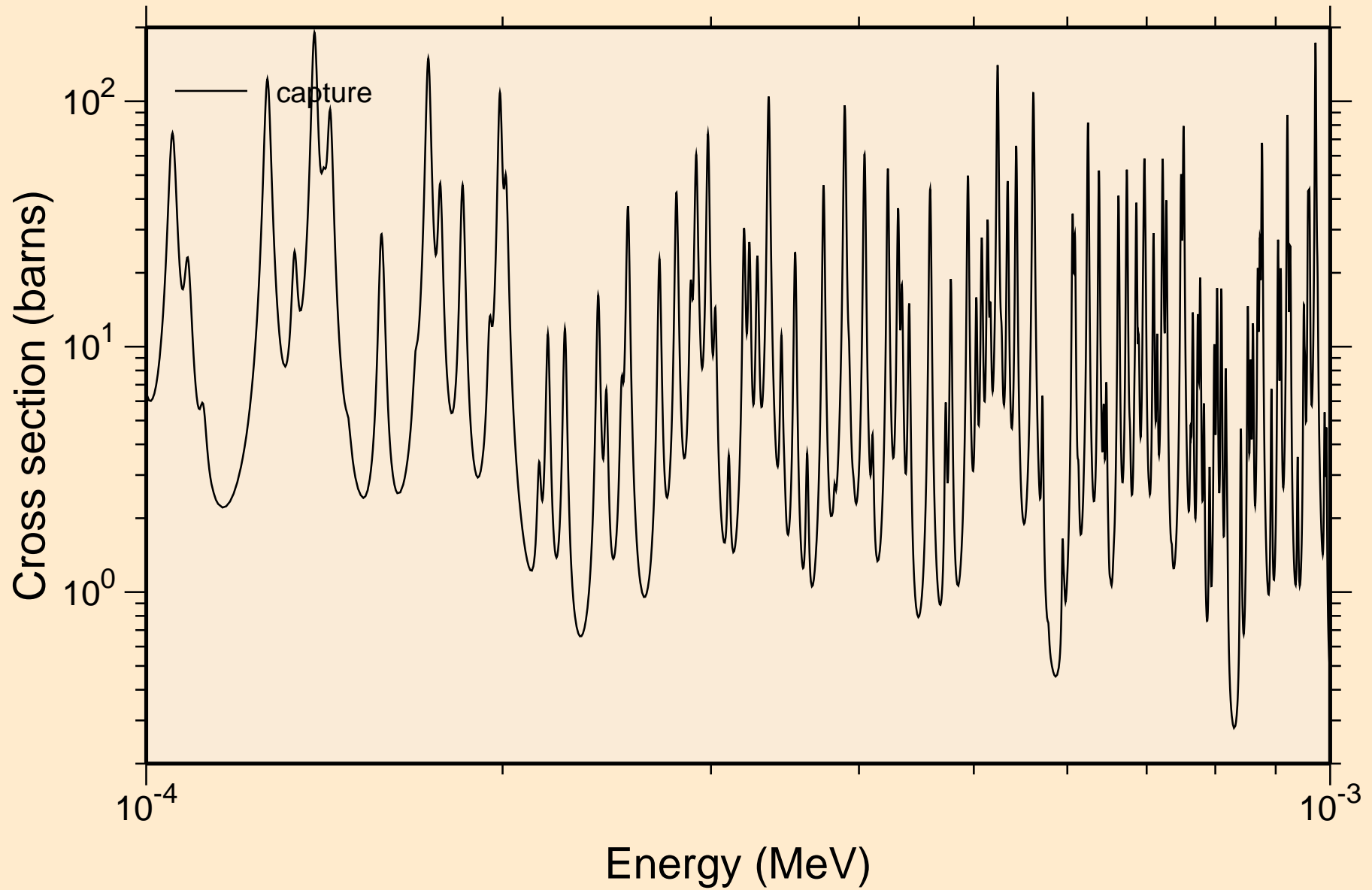
BI204 NRG TENDL-2015, AKONING  
resonance total cross section



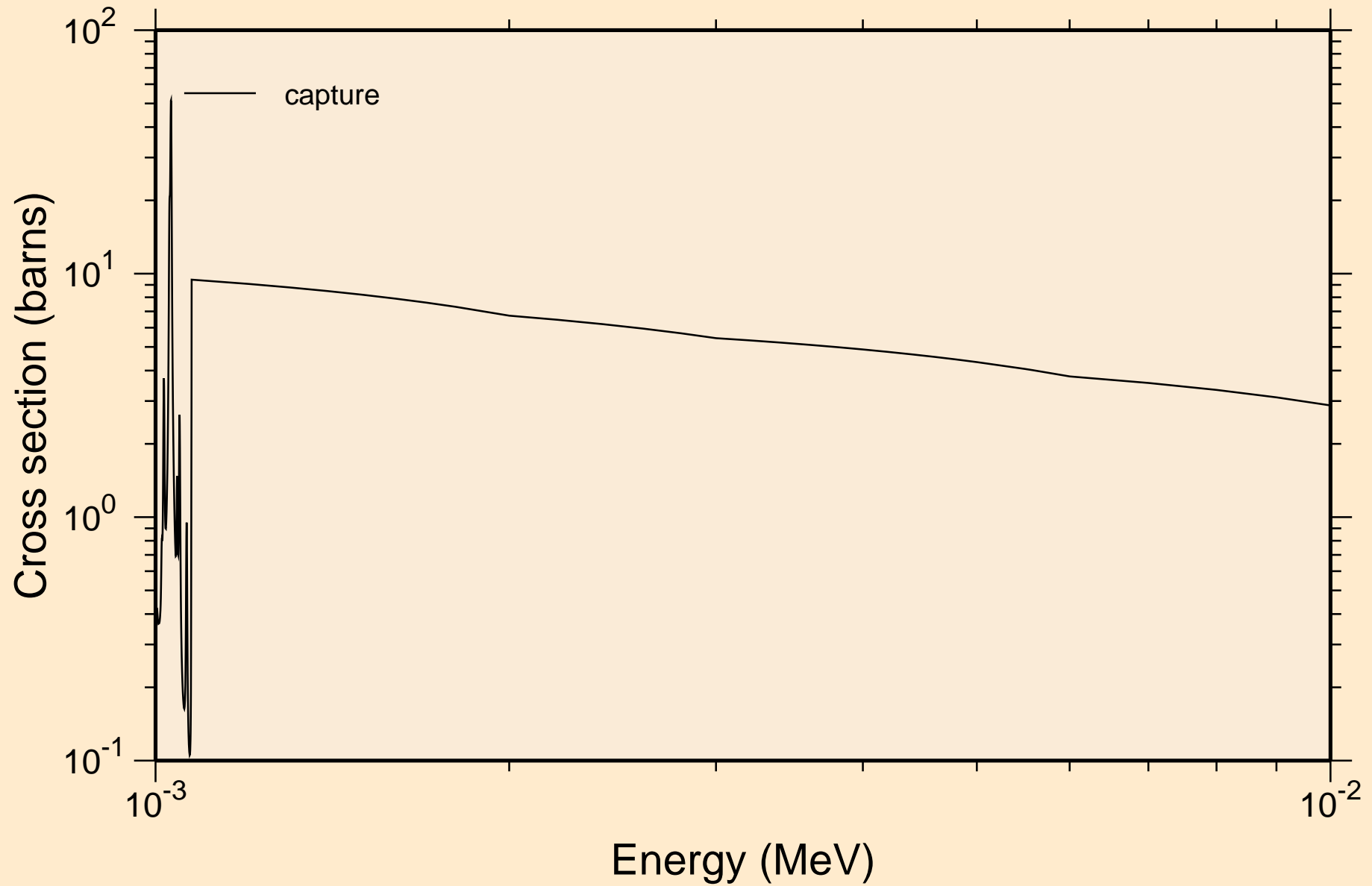
BI204 NRG TENDL-2015, AKONING  
resonance absorption cross sections



BI204 NRG TENDL-2015, AKONING  
resonance absorption cross sections

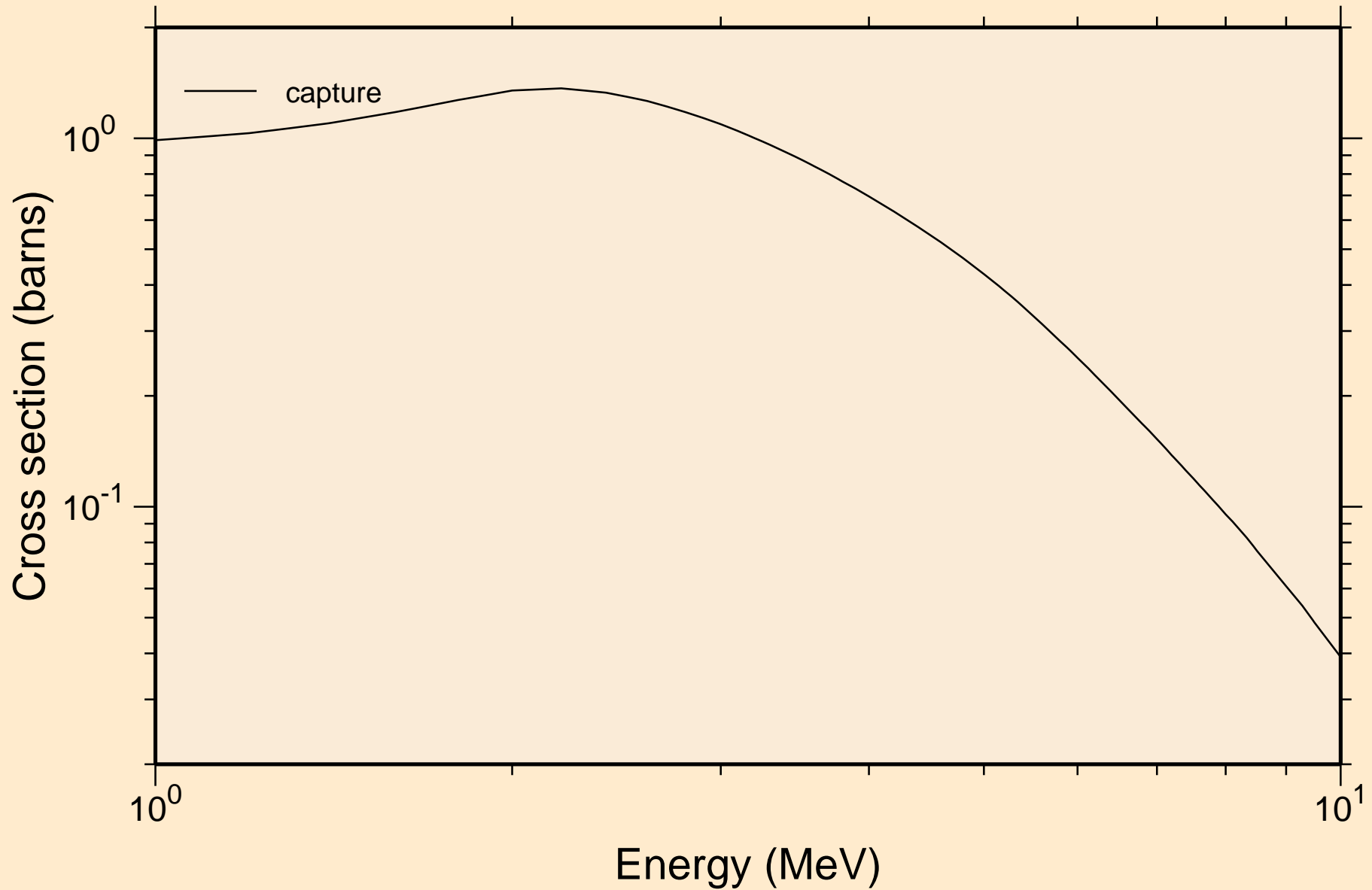


BI204 NRG TENDL-2015, AKONING  
resonance absorption cross sections



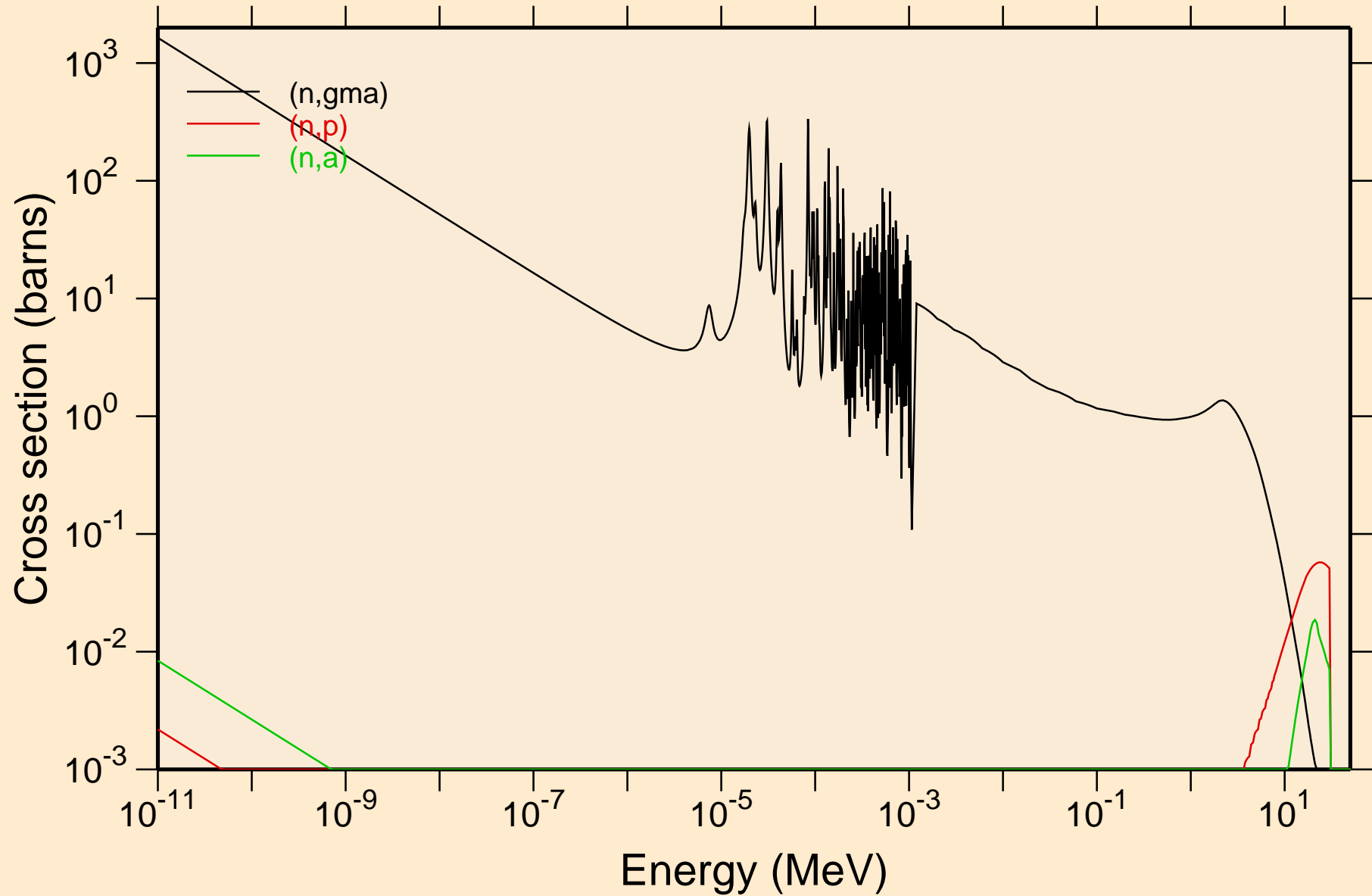


BI204 NRG TENDL-2015, AKONING  
resonance absorption cross sections



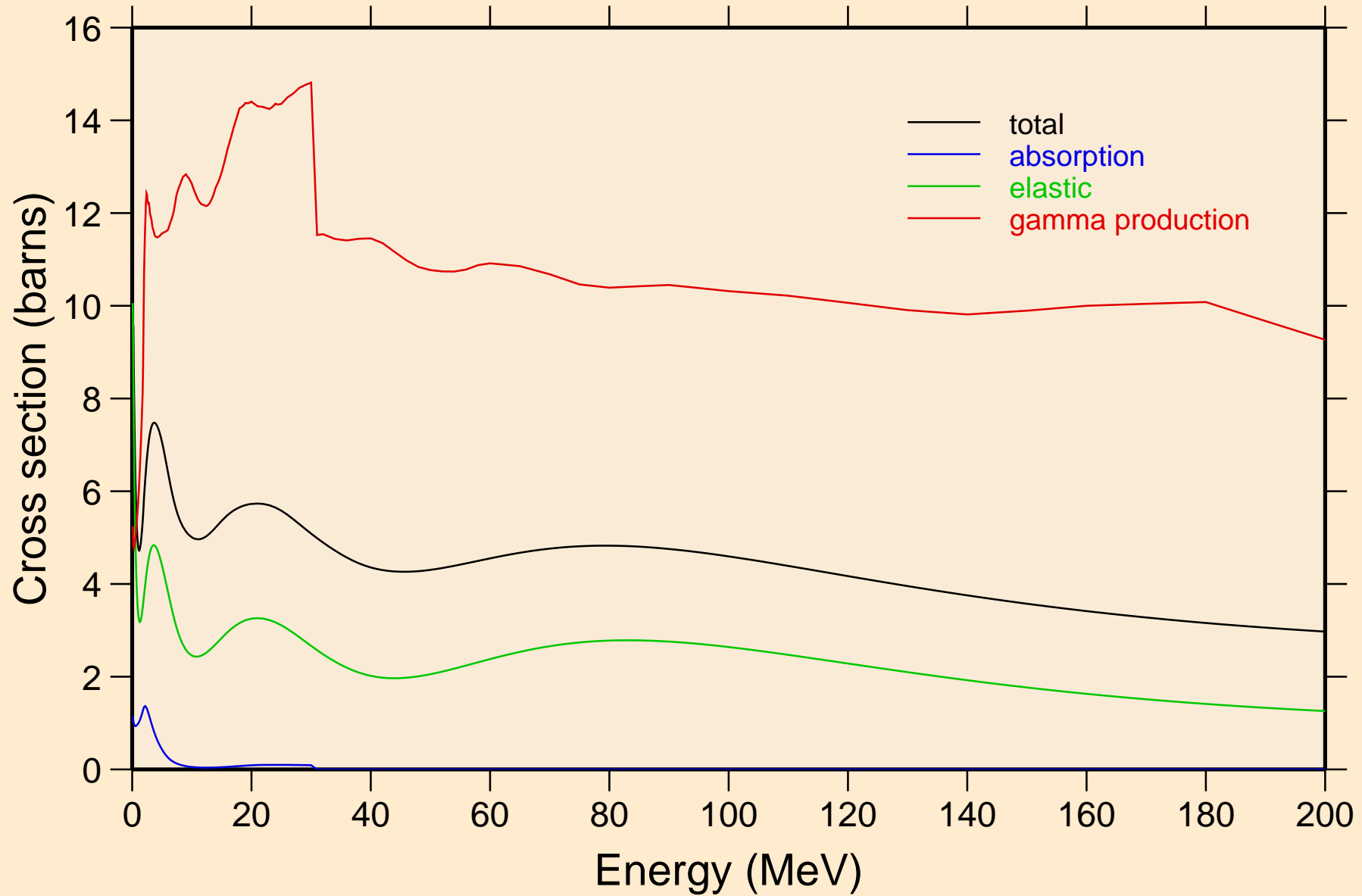
# BI204 NRG TENDL-2015, AKONING

## Non-threshold reactions



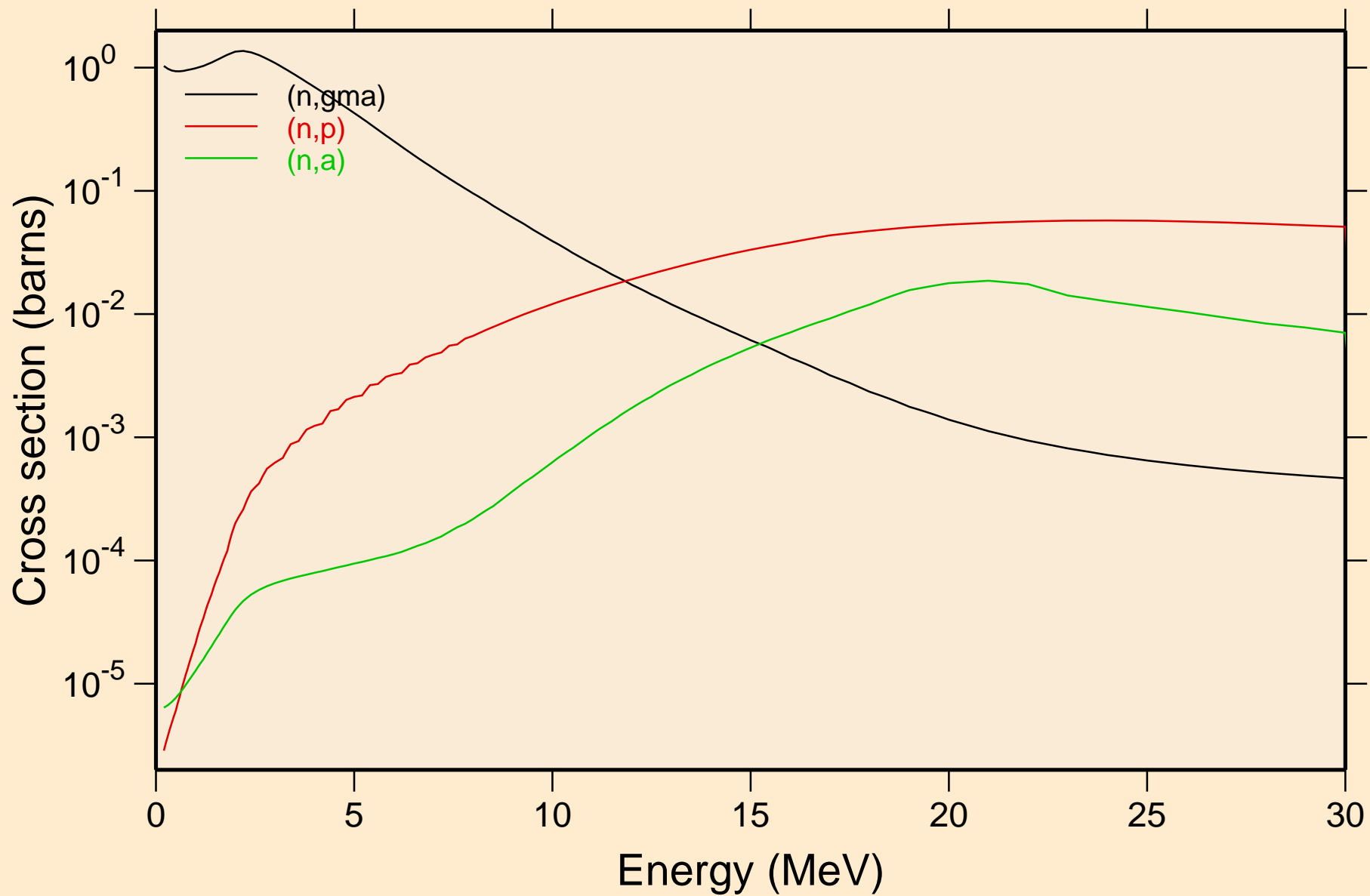
# BI204 NRG TENDL-2015, AKONING

## Principal cross sections



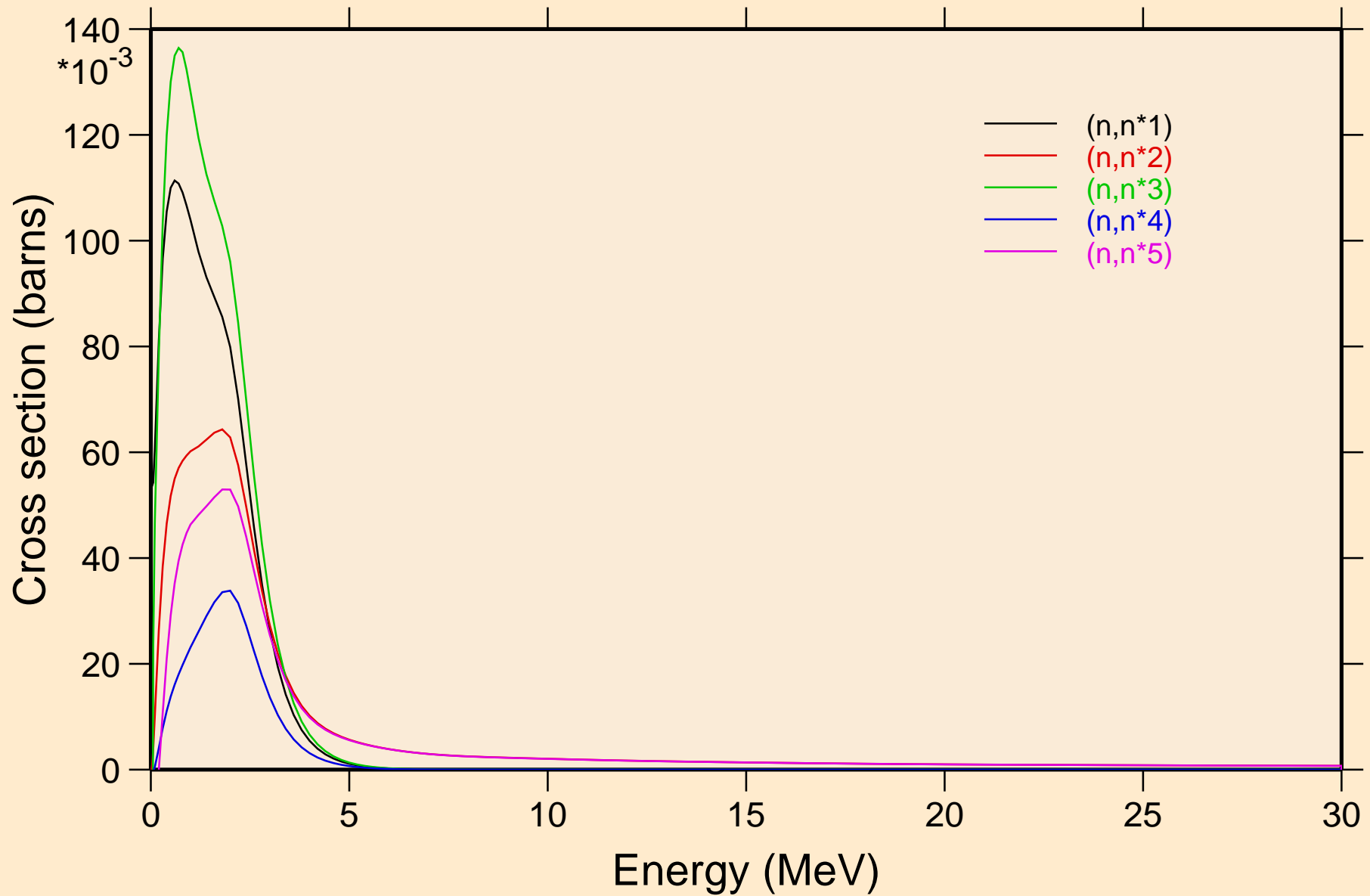
# BI204 NRG TENDL-2015, AKONING

## Non-threshold reactions



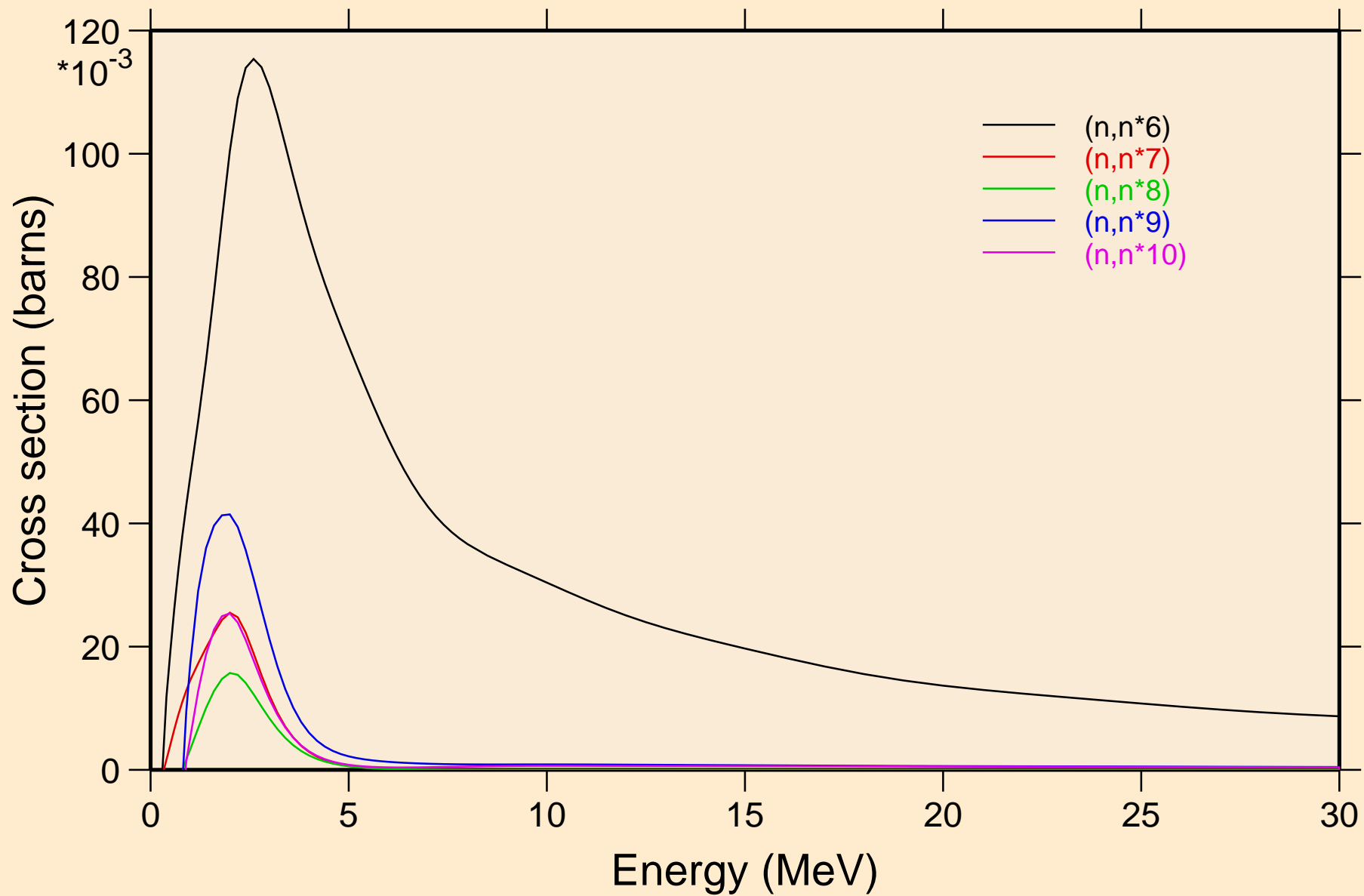
# BI204 NRG TENDL-2015, AKONING

## Inelastic levels



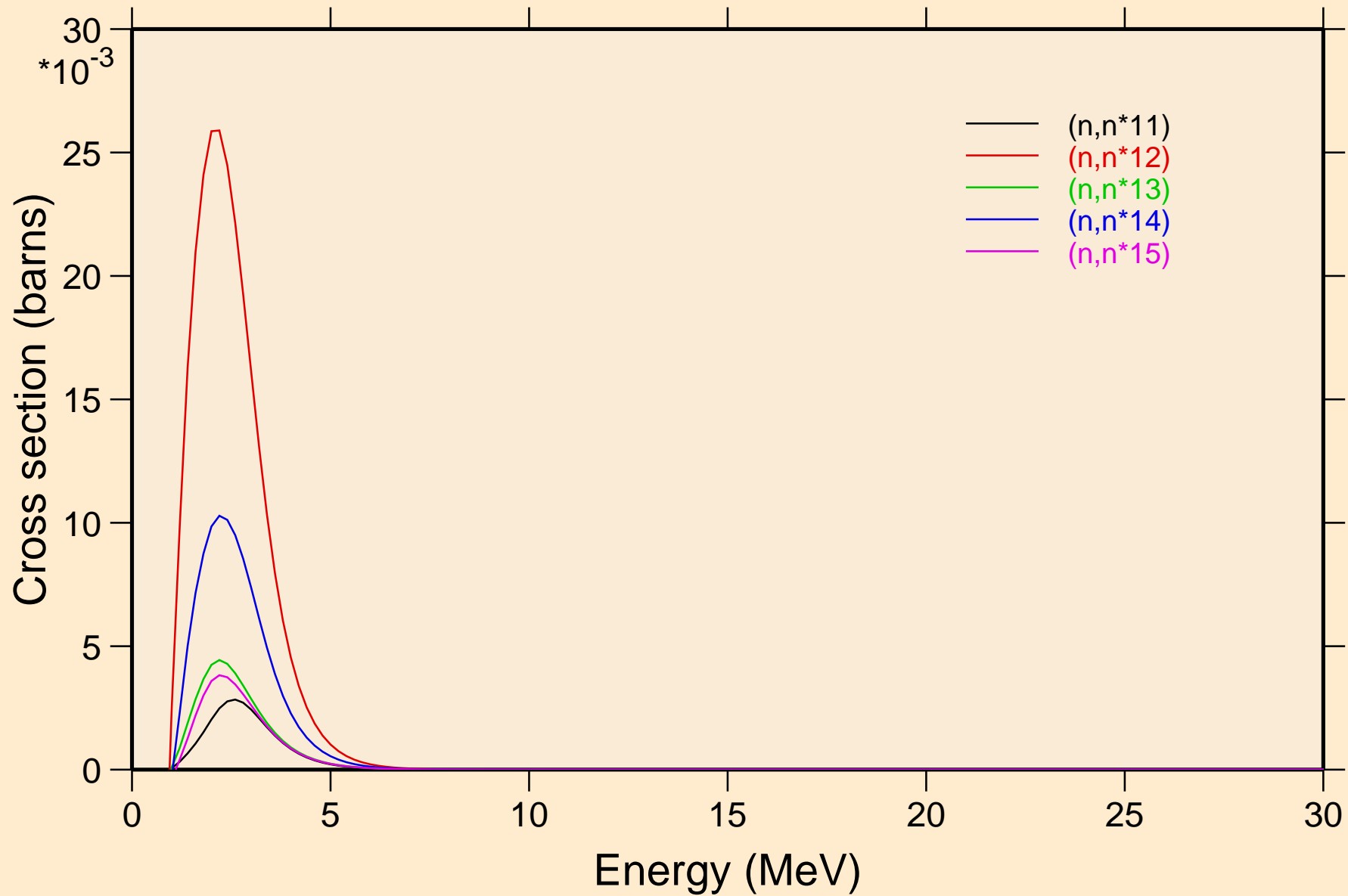
# BI204 NRG TENDL-2015, AKONING

## Inelastic levels



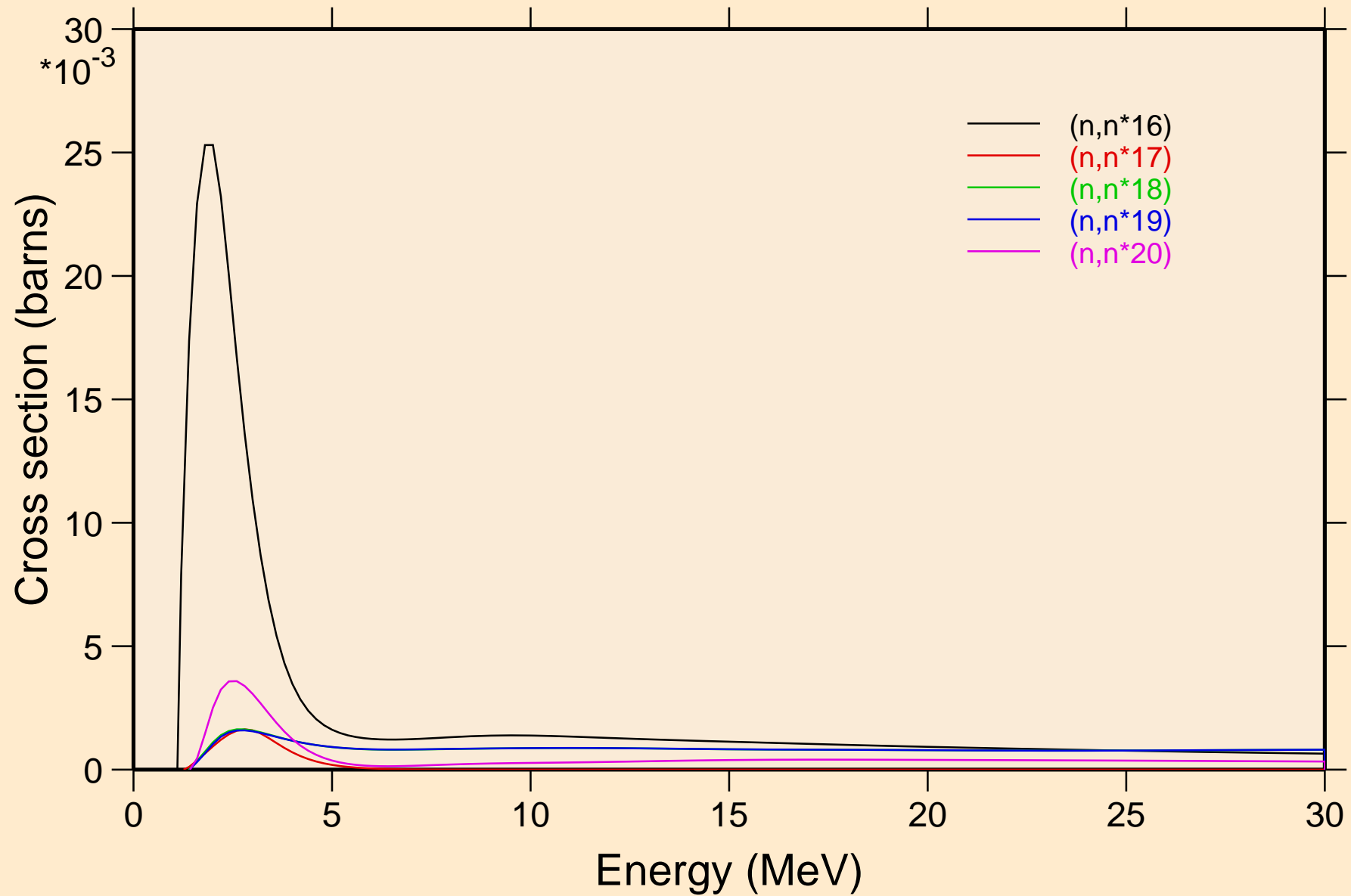
# BI204 NRG TENDL-2015, AKONING

## Inelastic levels



# BI204 NRG TENDL-2015, AKONING

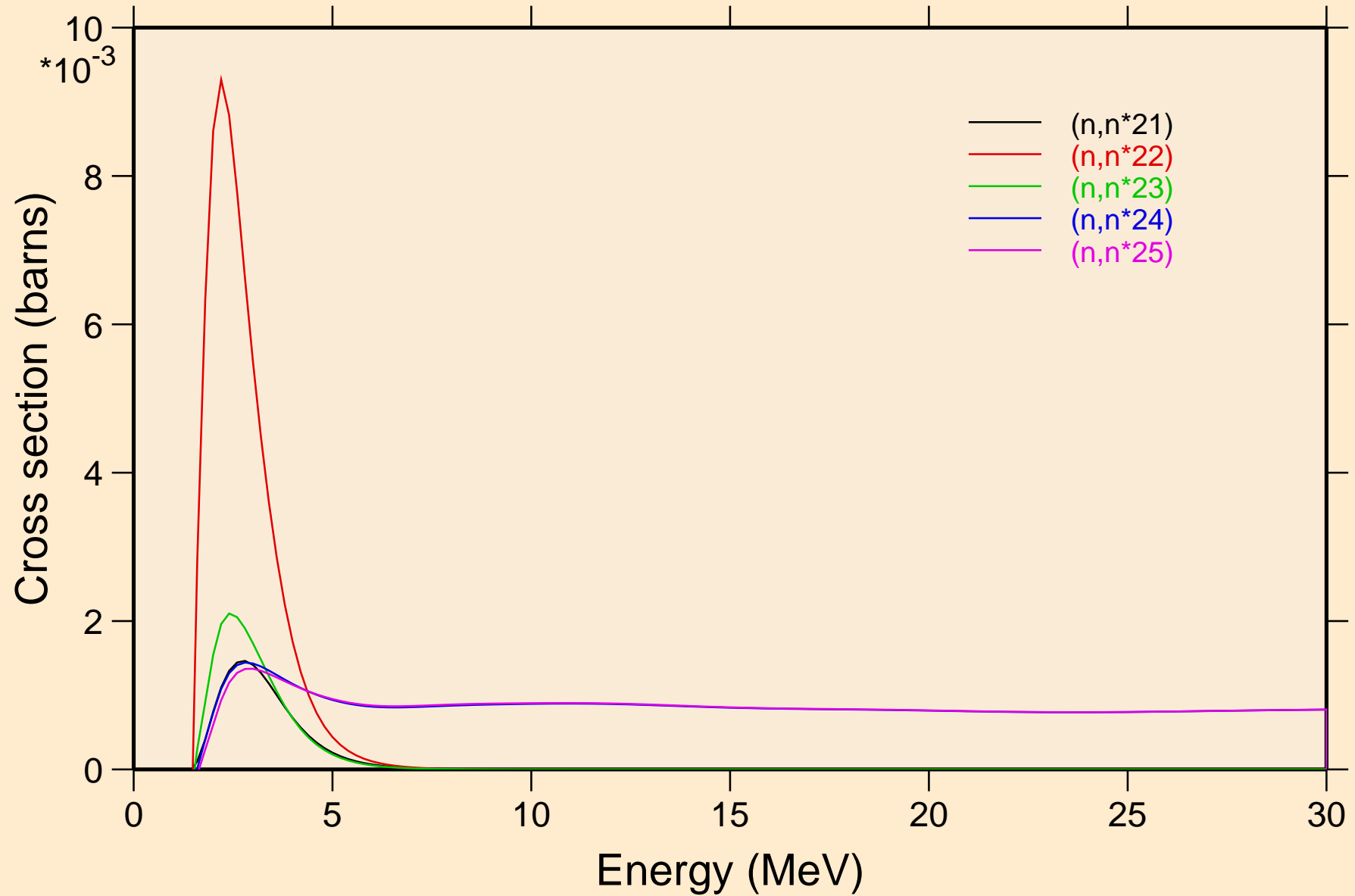
## Inelastic levels





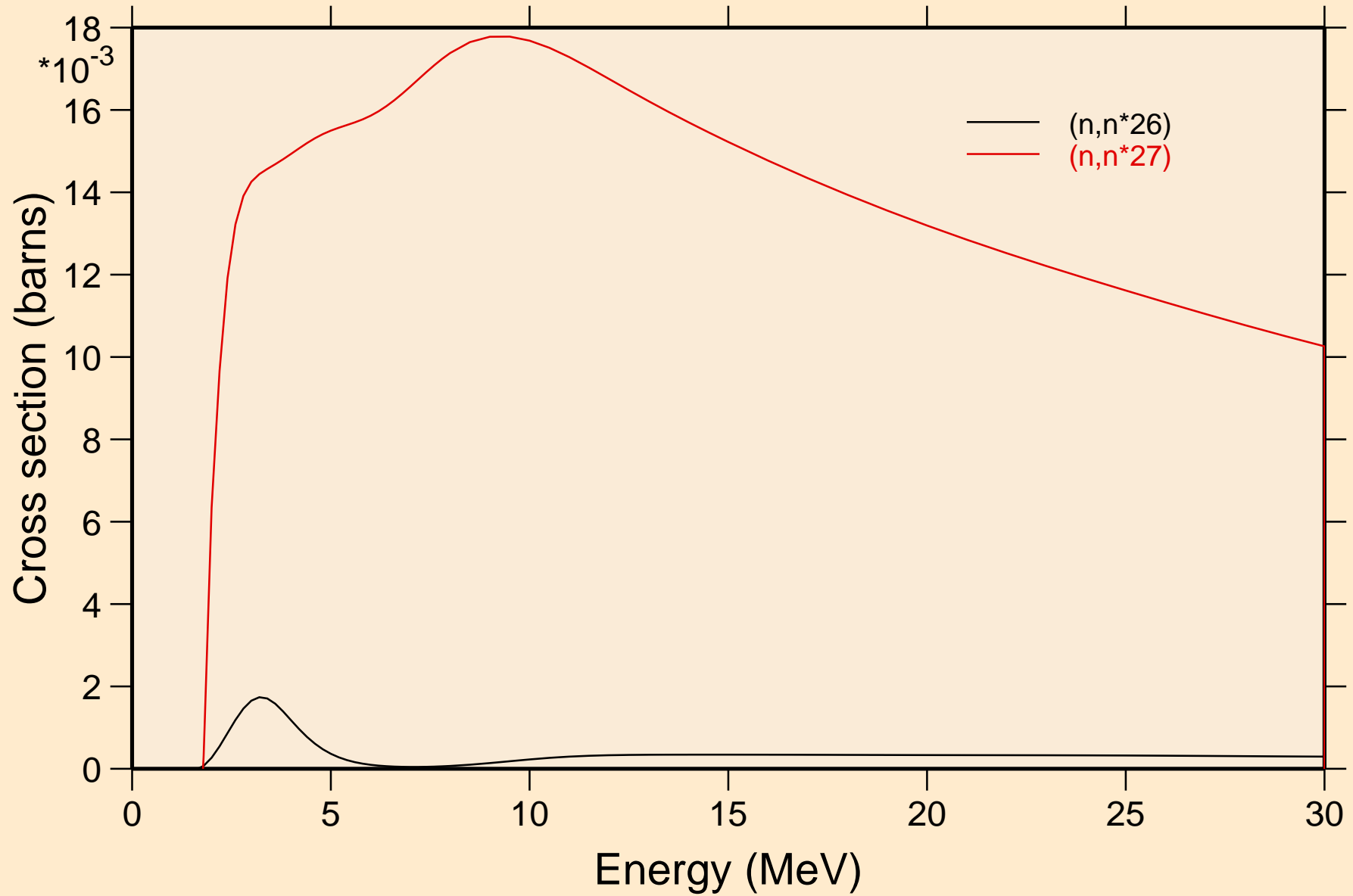
# BI204 NRG TENDL-2015, AKONING

## Inelastic levels



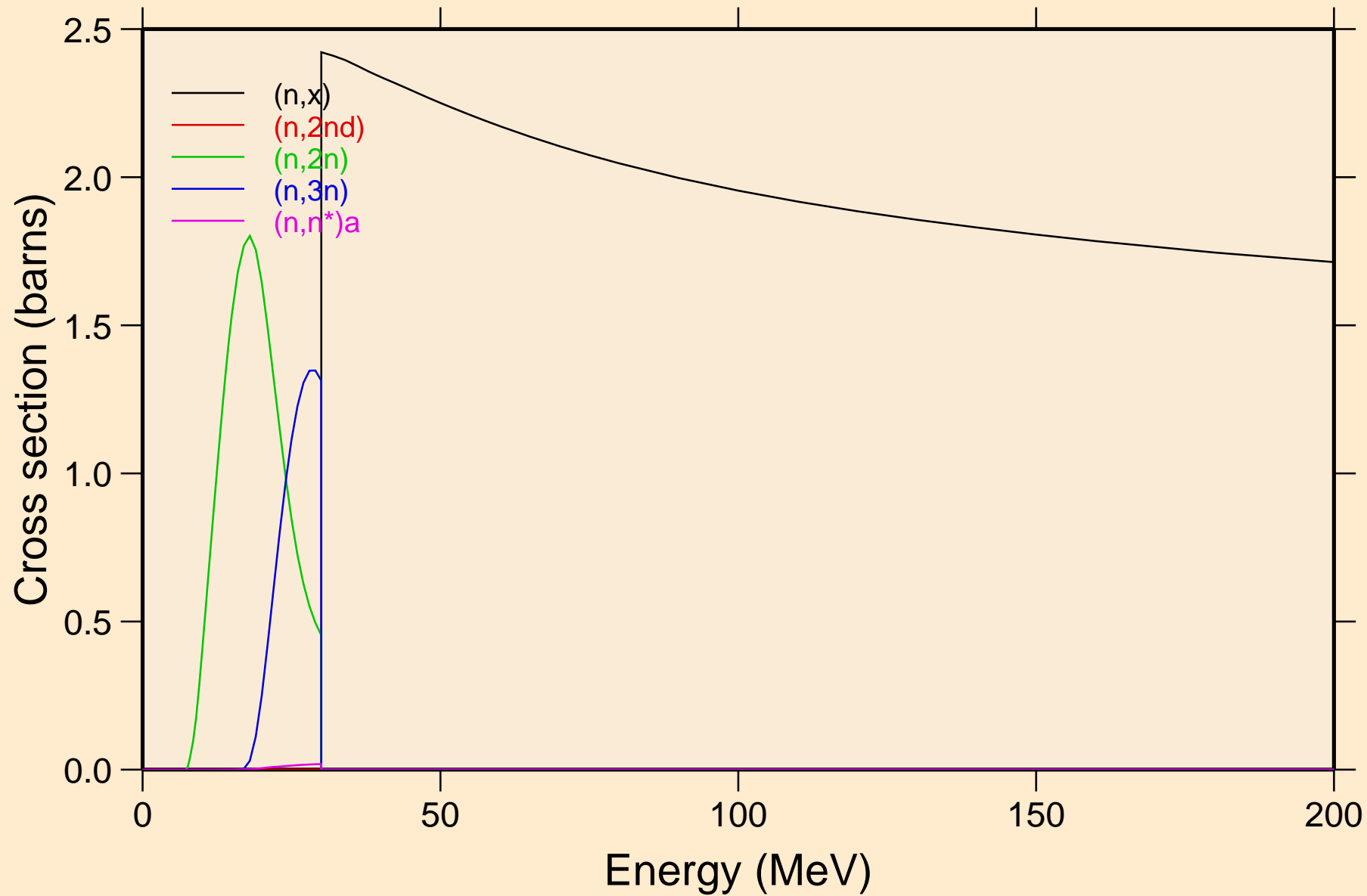
# BI204 NRG TENDL-2015, AKONING

## Inelastic levels



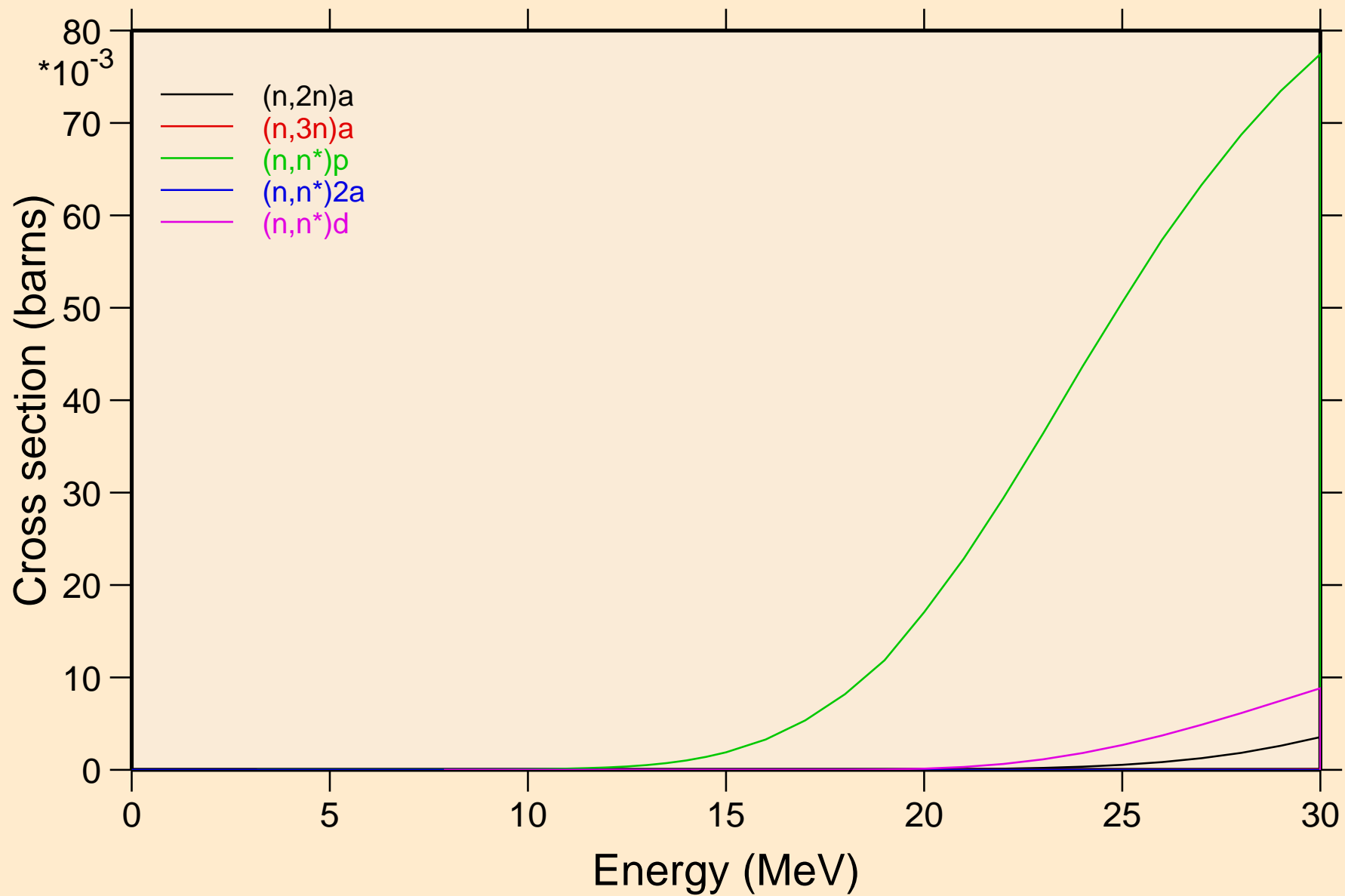
# BI204 NRG TENDL-2015, AKONING

## Threshold reactions



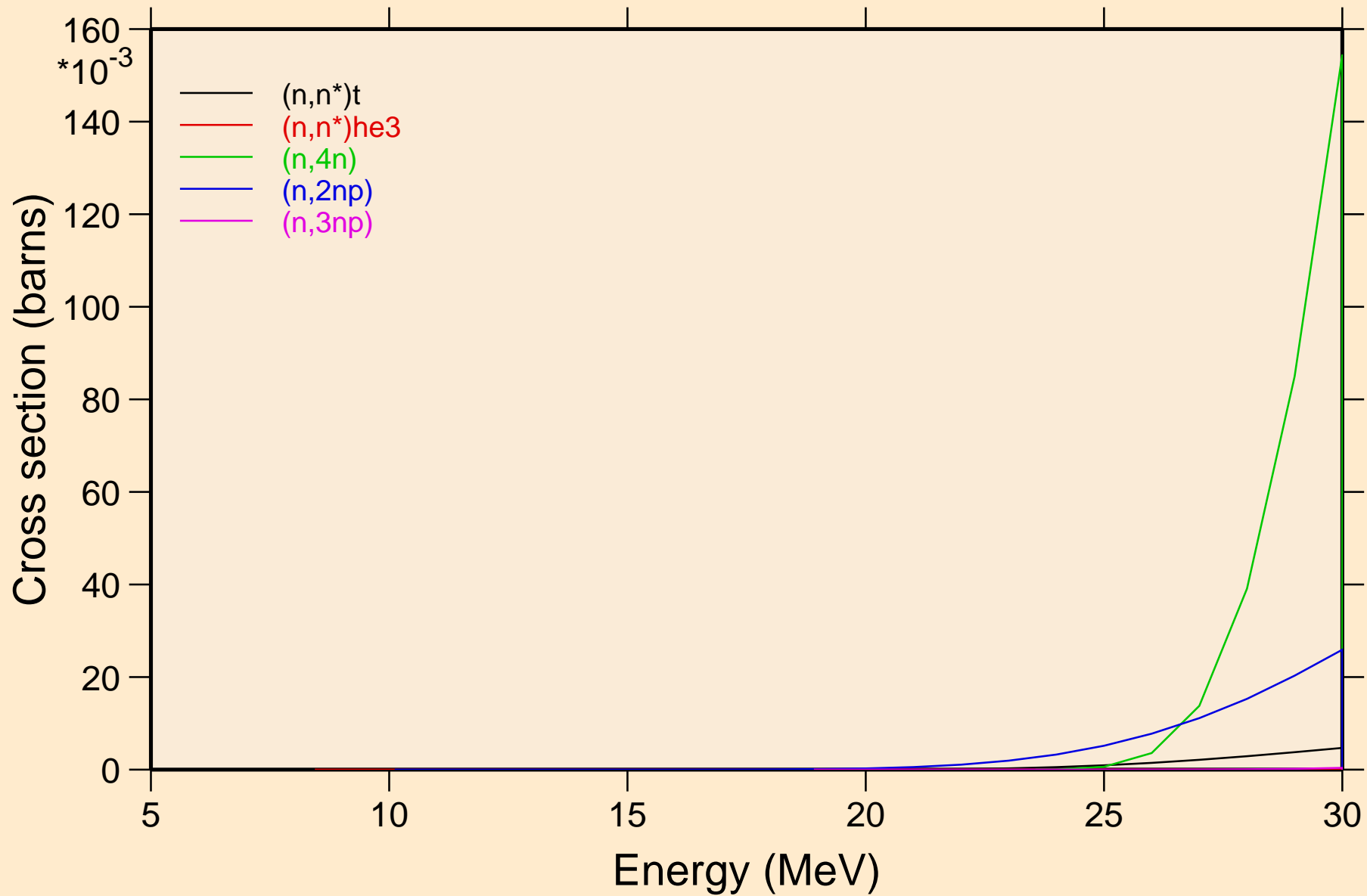
# BI204 NRG TENDL-2015, AKONING

## Threshold reactions



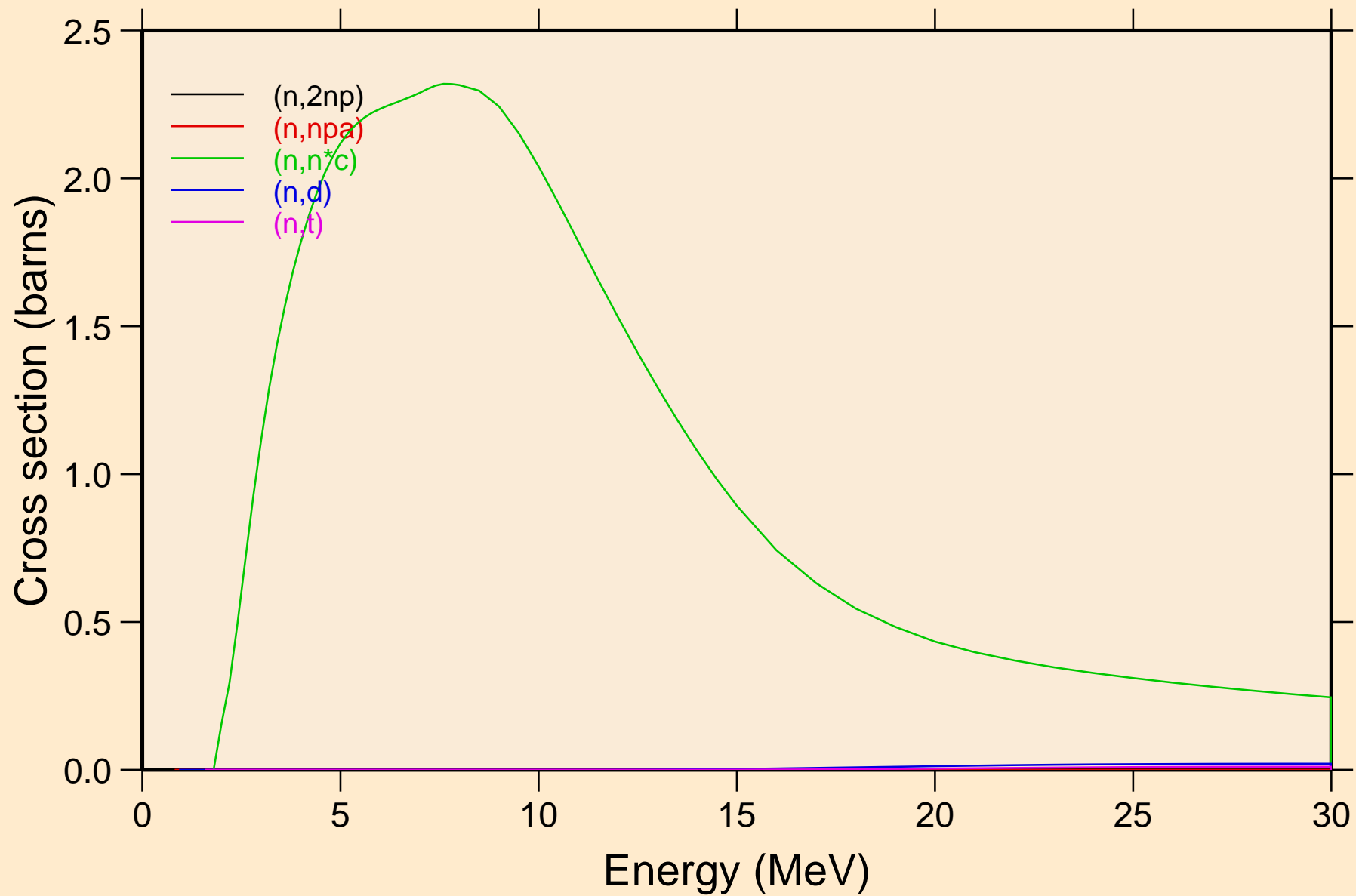
# BI204 NRG TENDL-2015, AKONING

## Threshold reactions



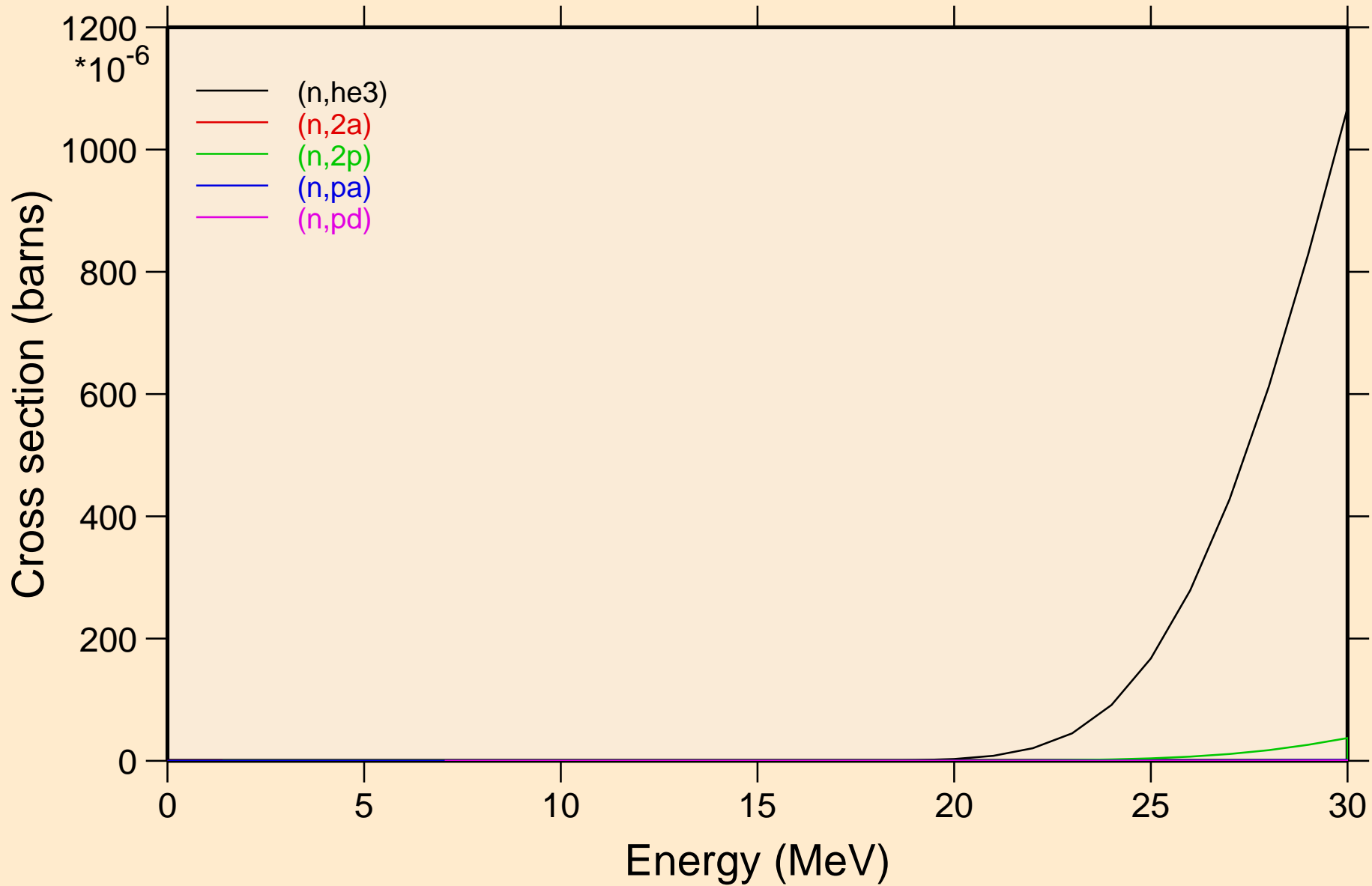
# BI204 NRG TENDL-2015, AKONING

## Threshold reactions



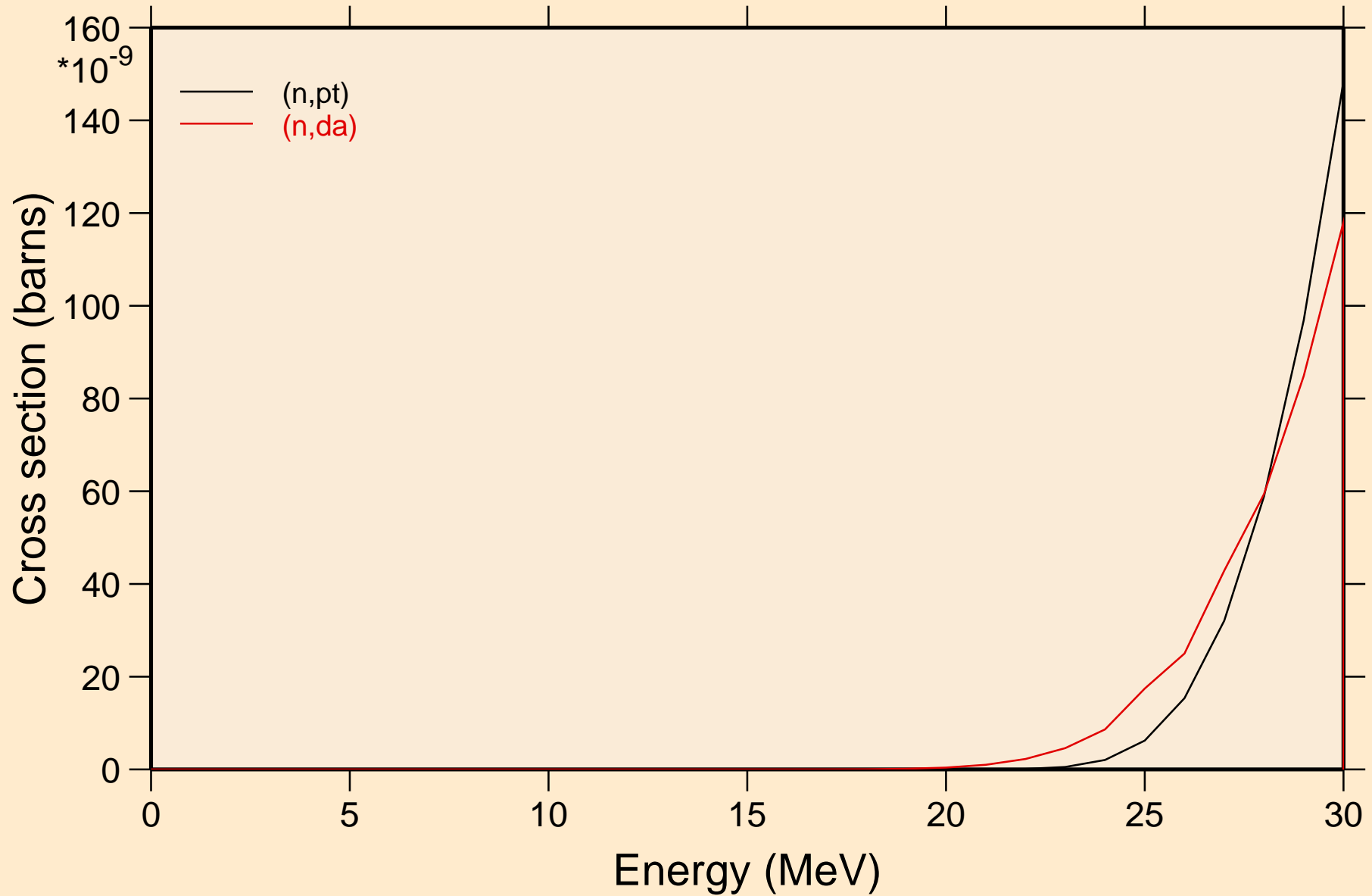
# BI204 NRG TENDL-2015, AKONING

## Threshold reactions



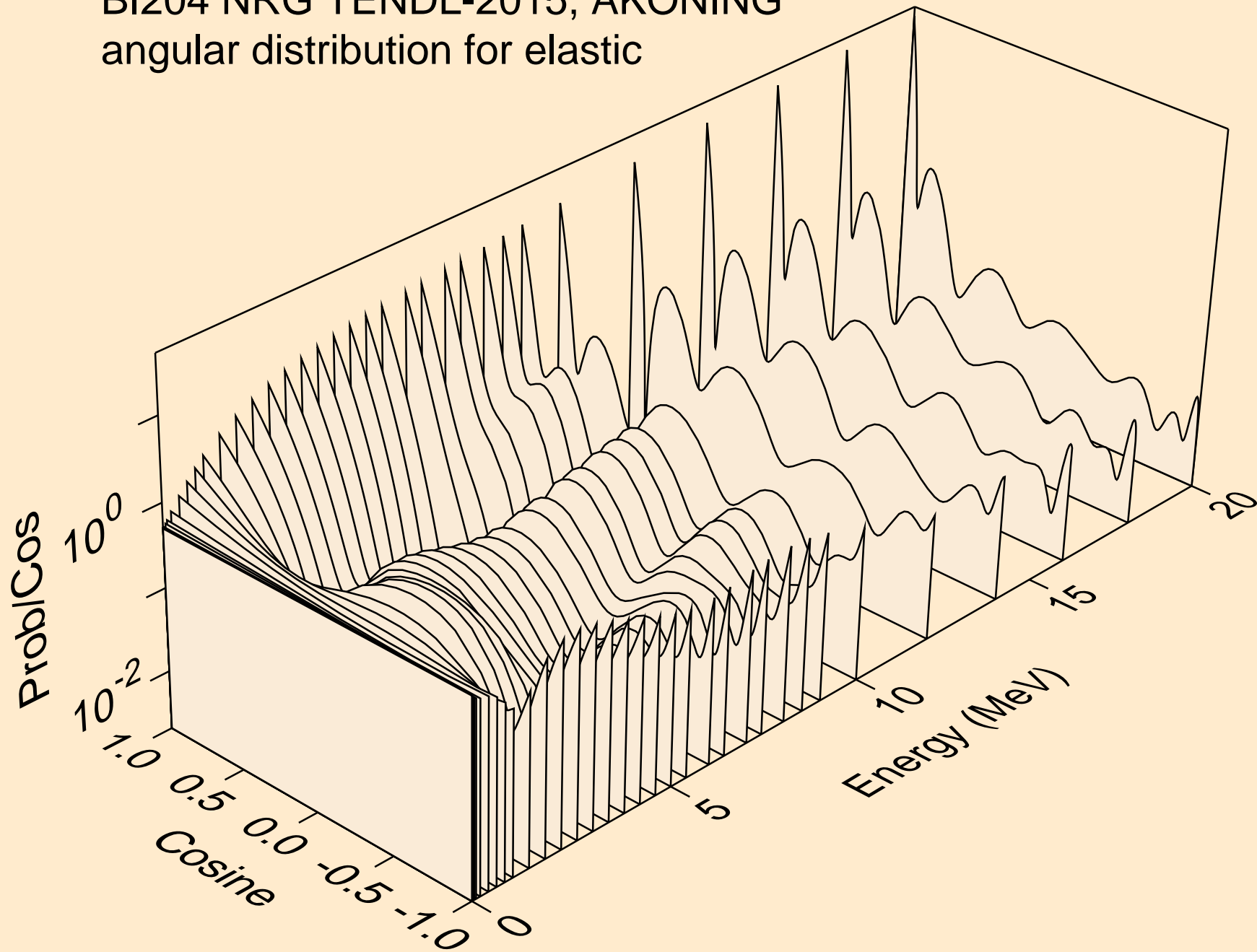
# BI204 NRG TENDL-2015, AKONING

## Threshold reactions

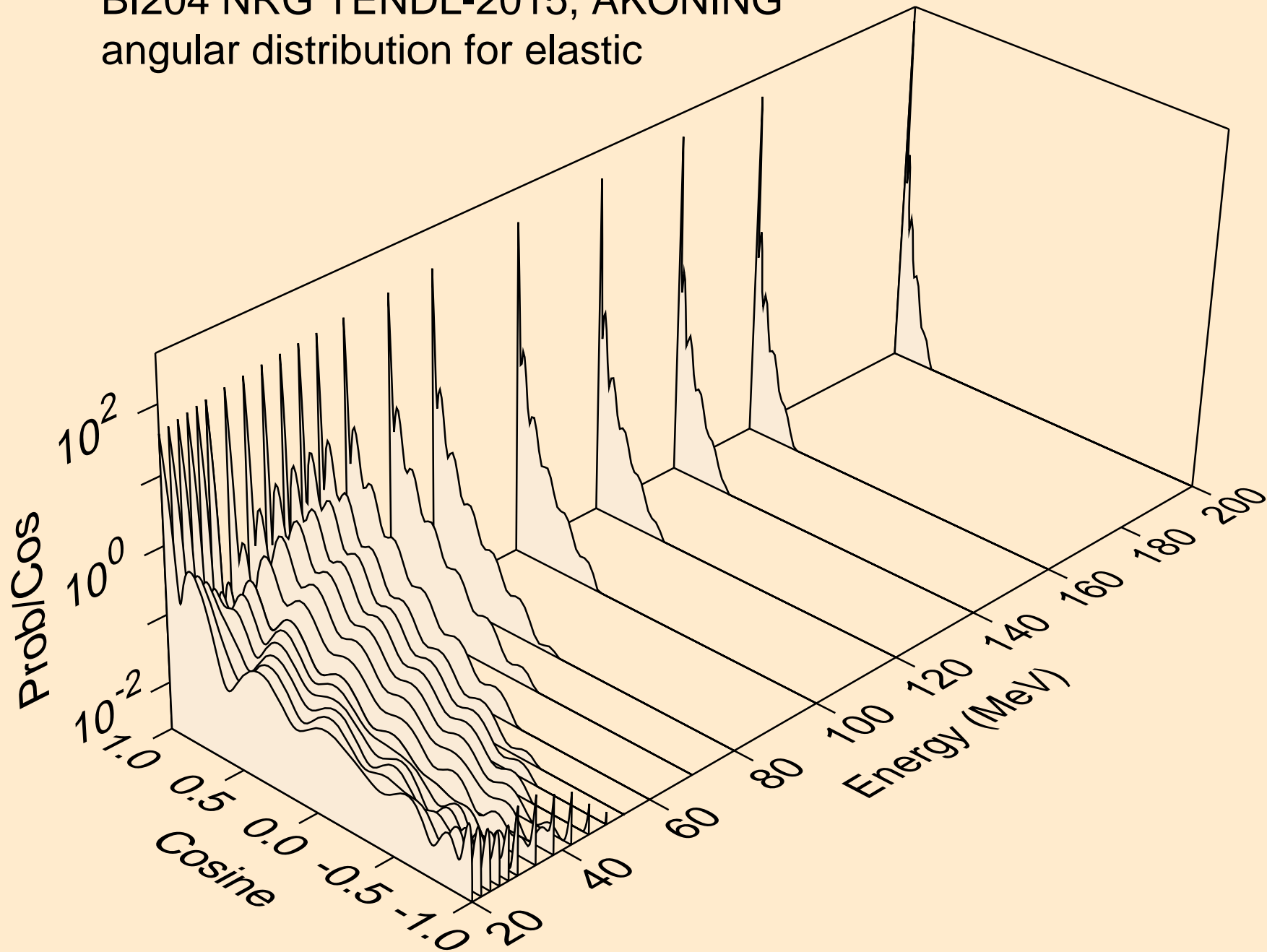




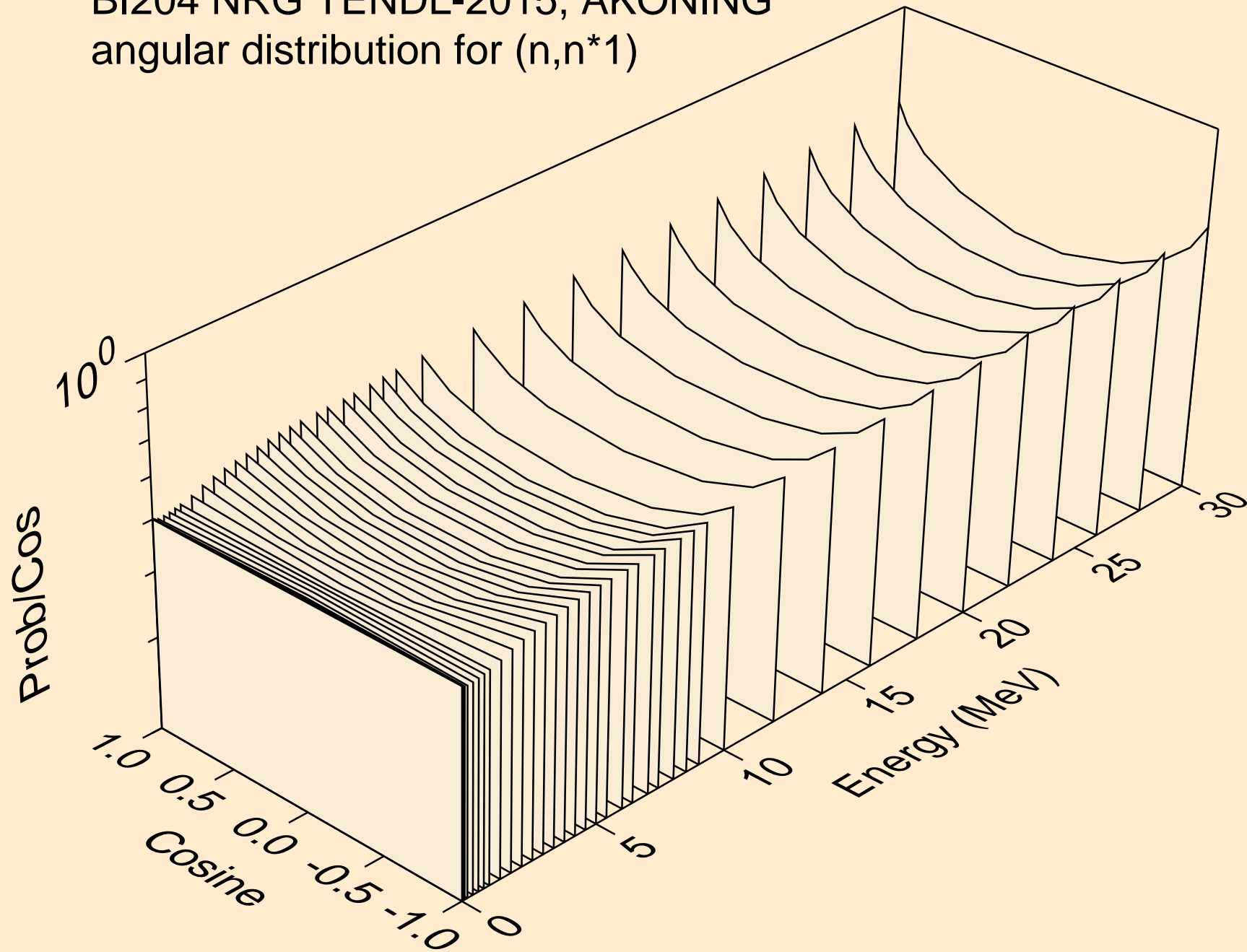
BI204 NRG TENDL-2015, AKONING  
angular distribution for elastic



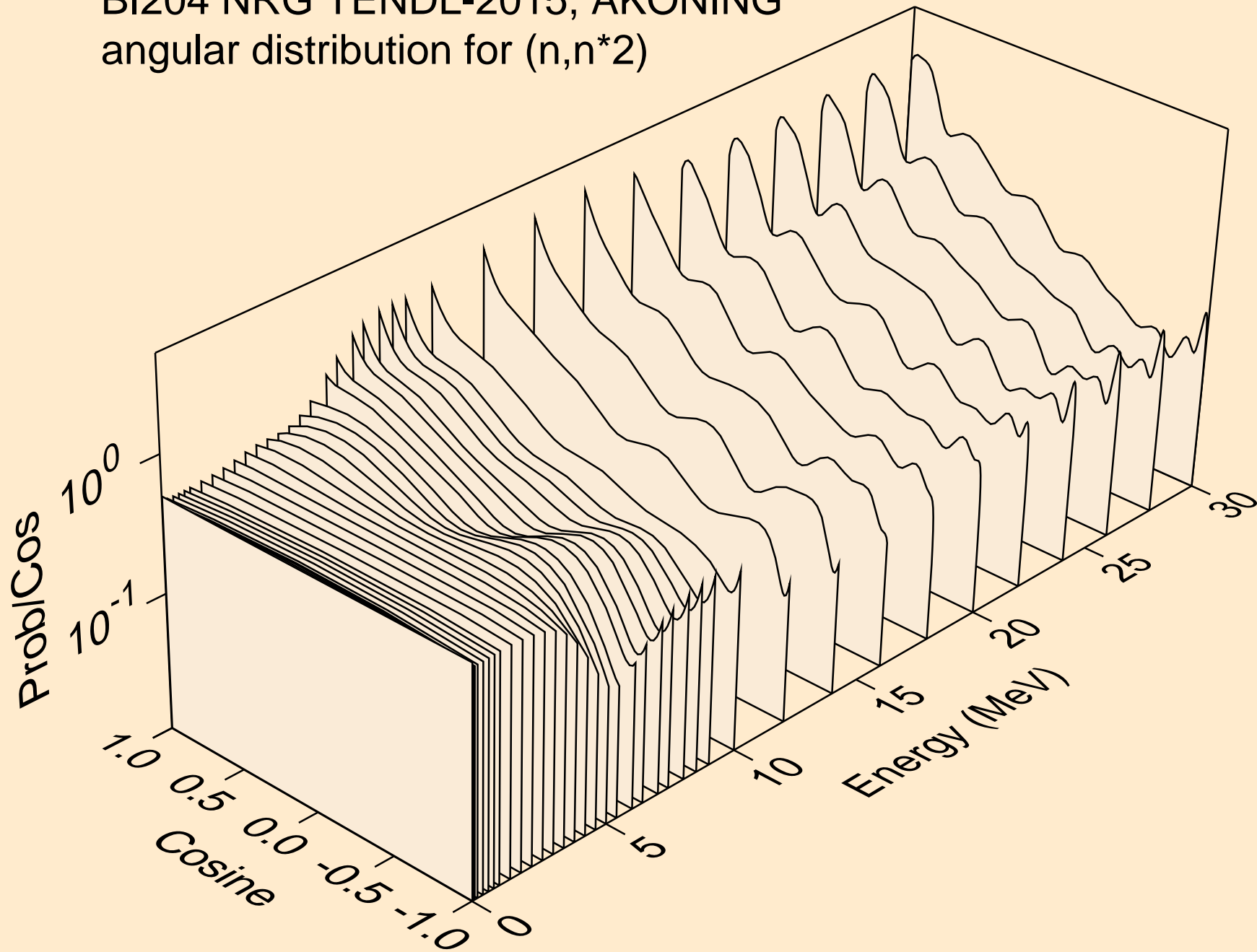
BI204 NRG TENDL-2015, AKONING  
angular distribution for elastic



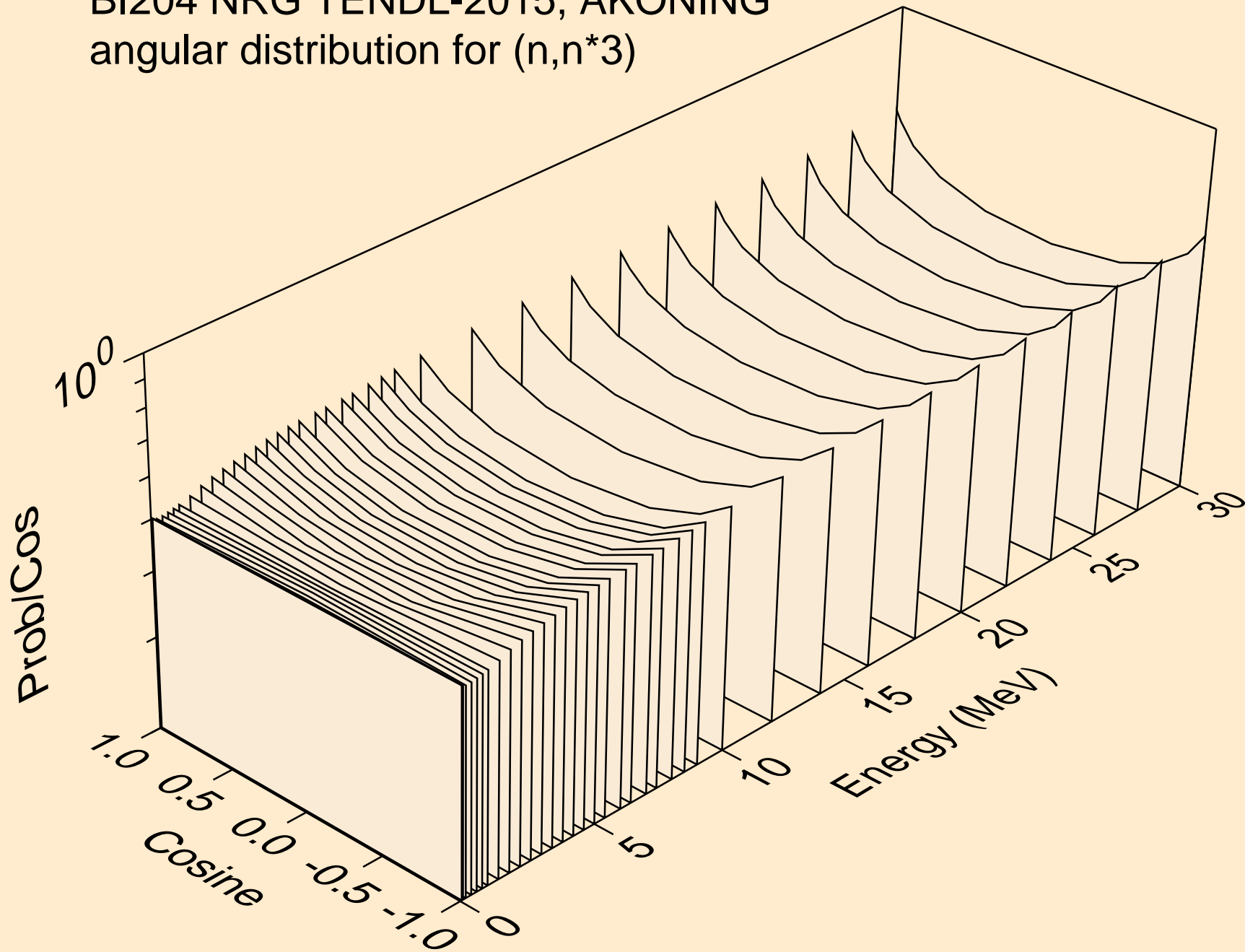
BI204 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



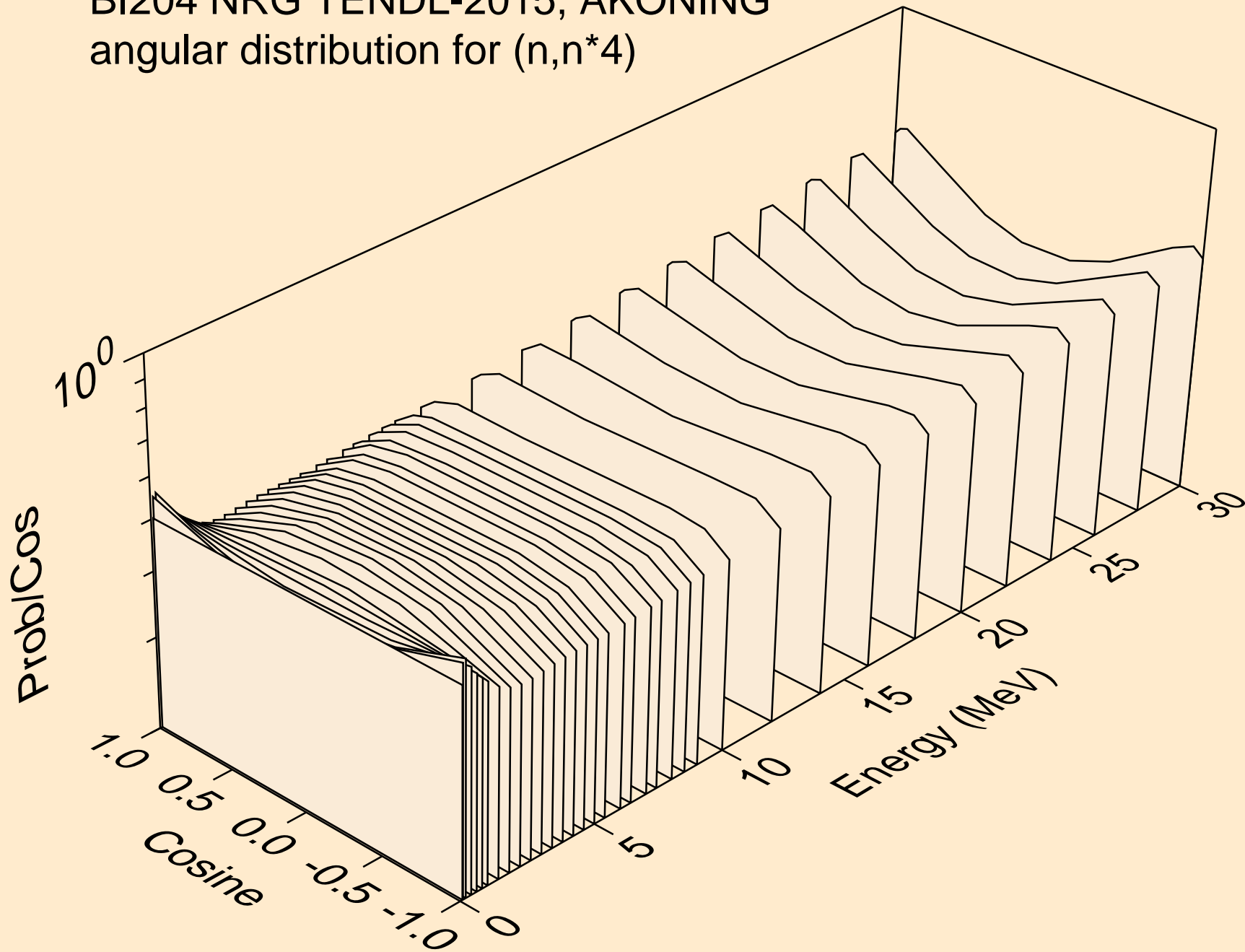
BI204 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



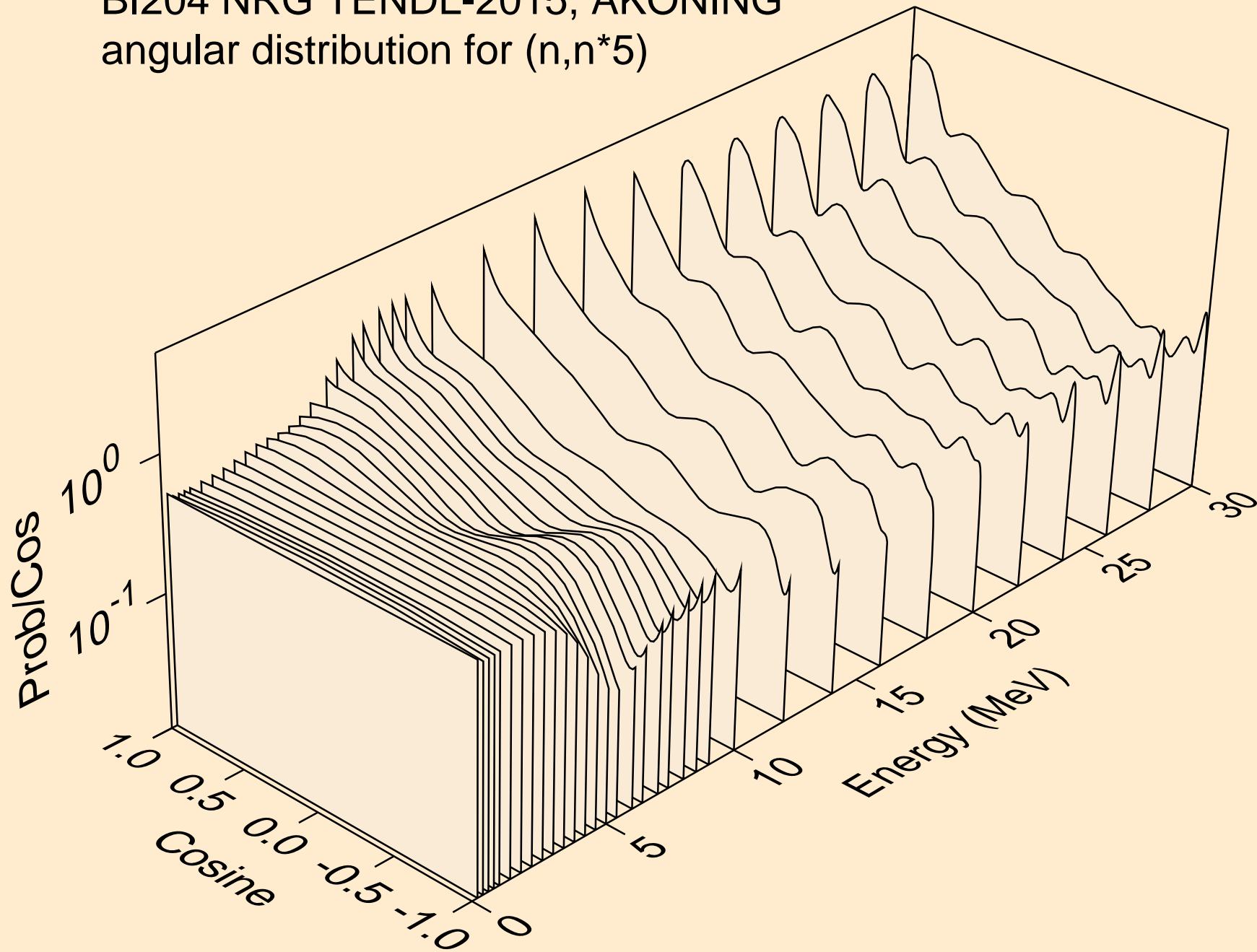
BI204 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



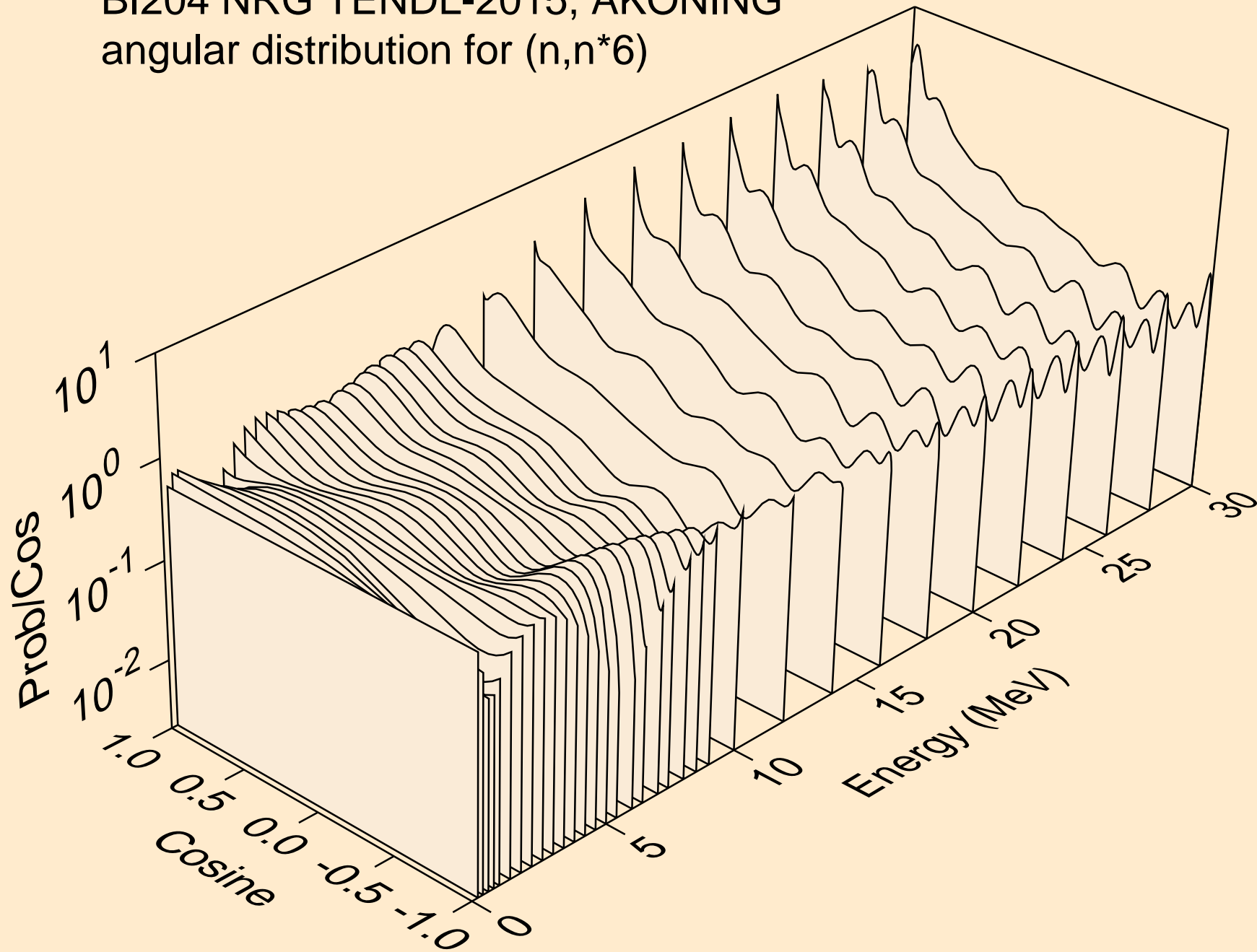
BI204 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



BI204 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)

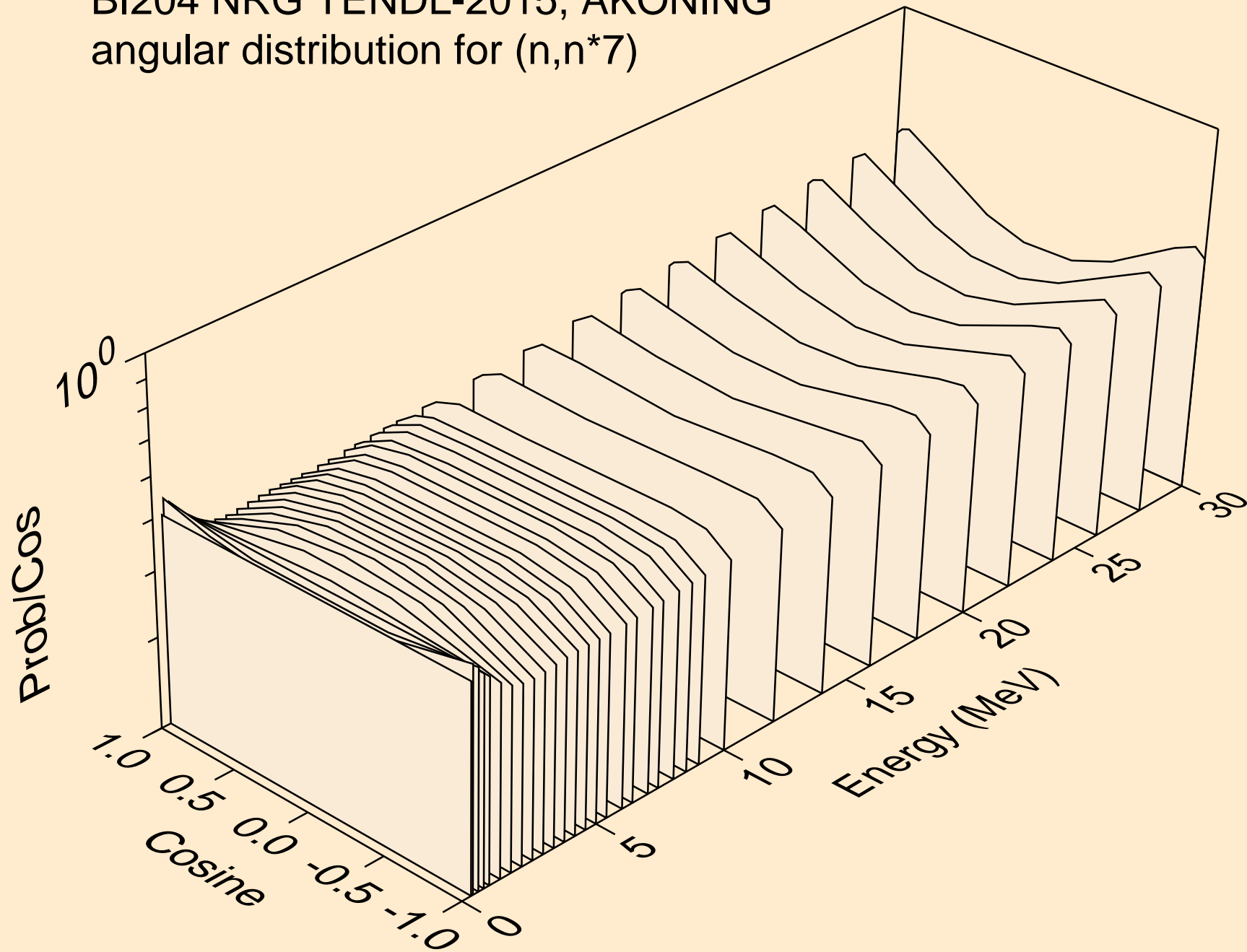


BI204 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)

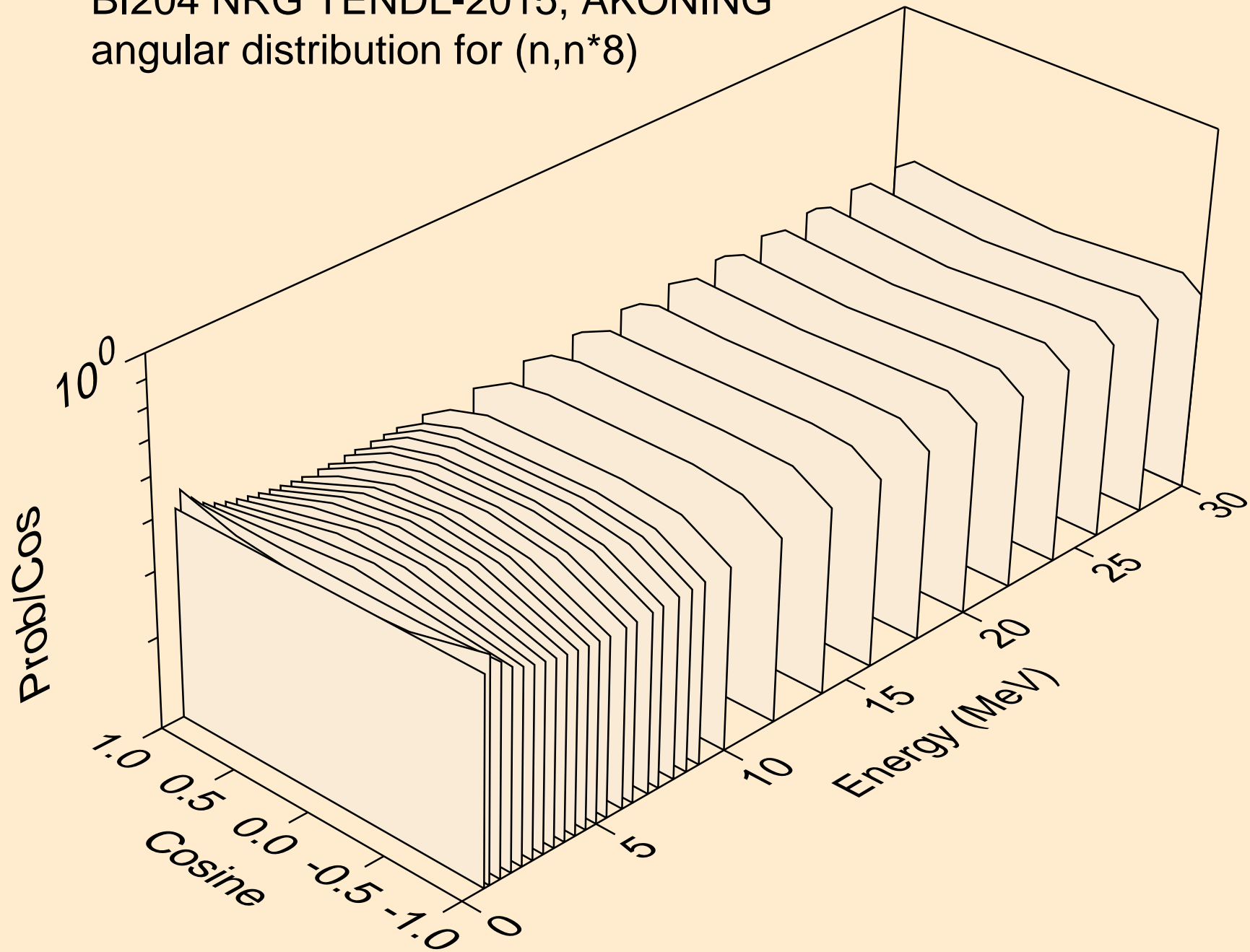




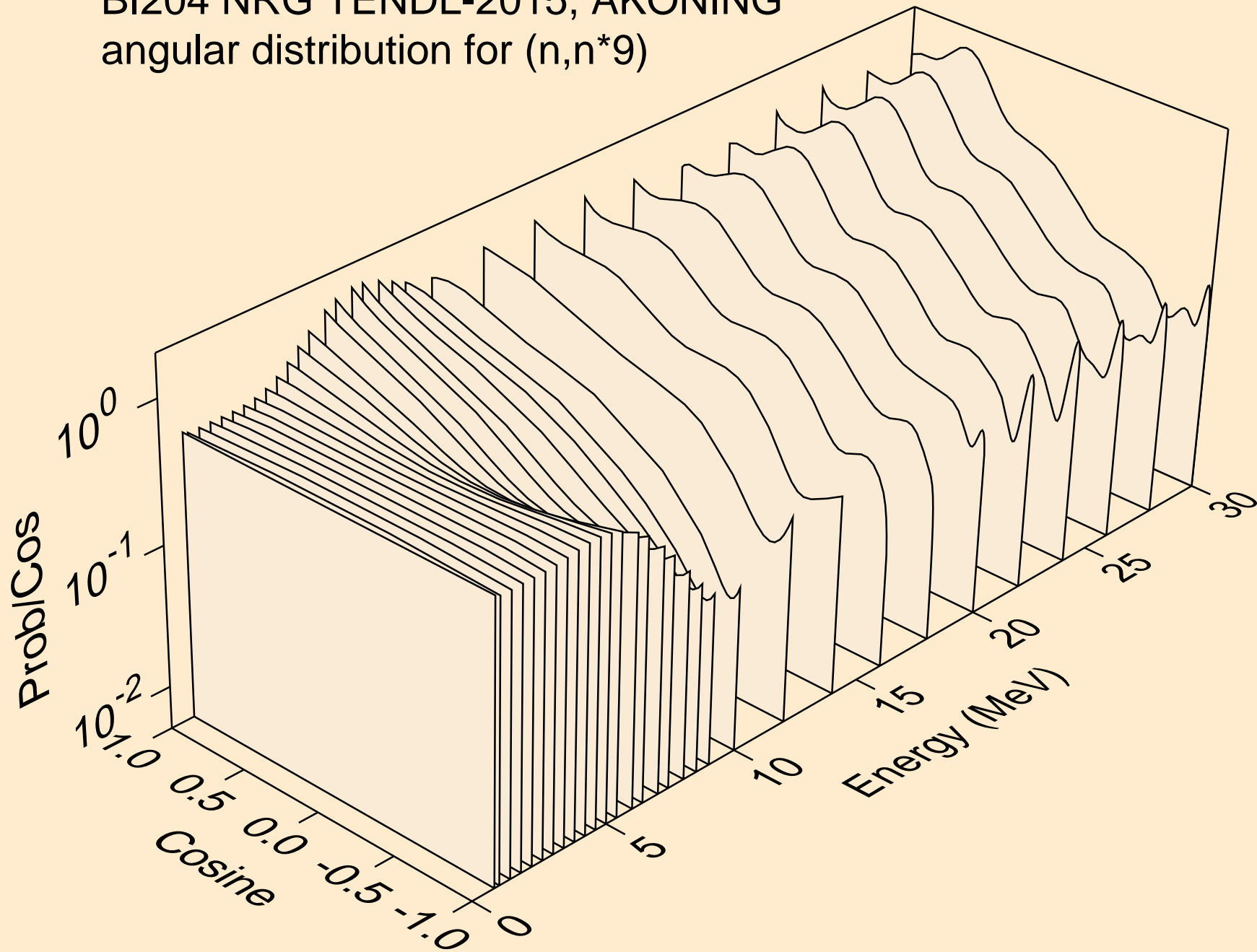
BI204 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



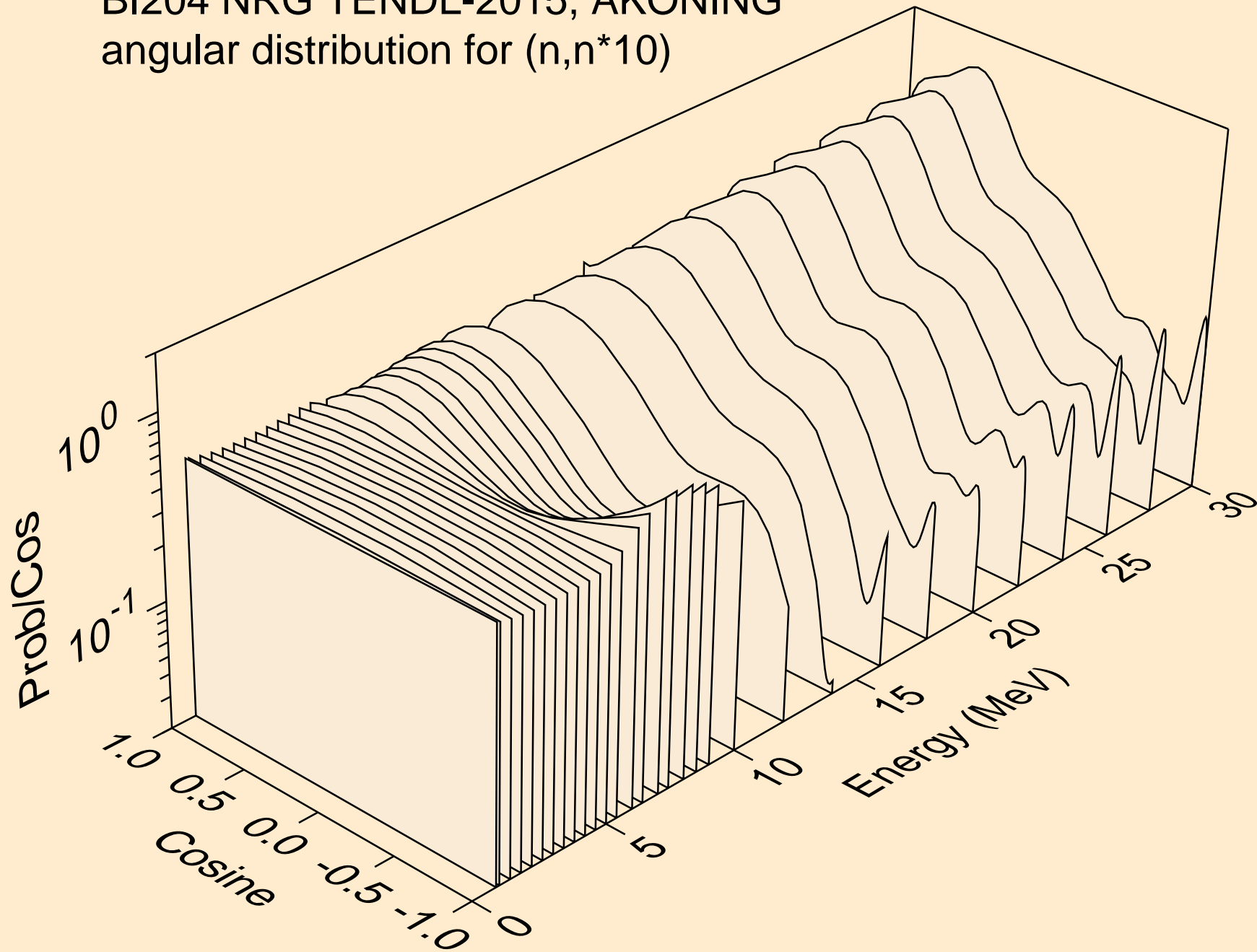
BI204 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)



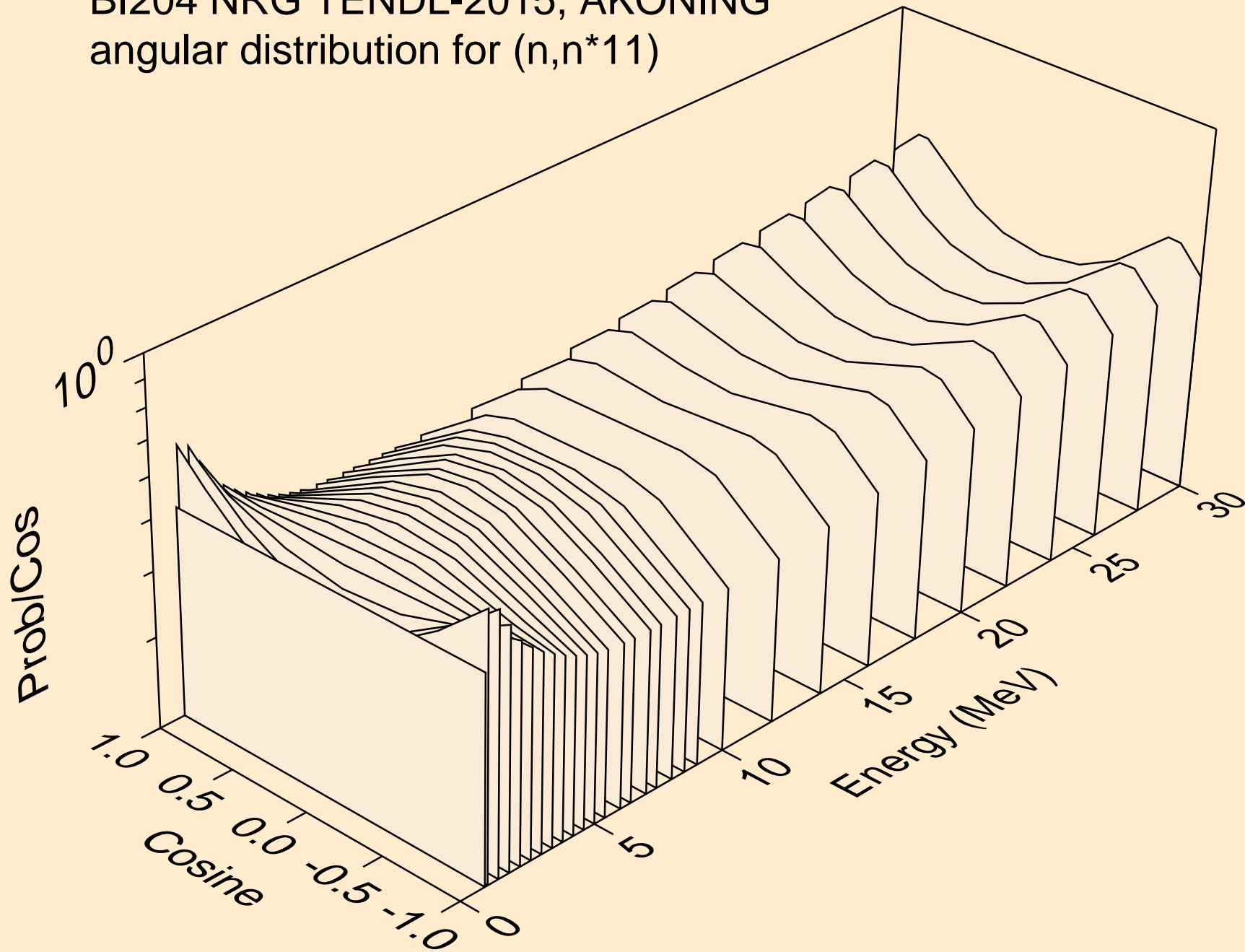
BI204 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



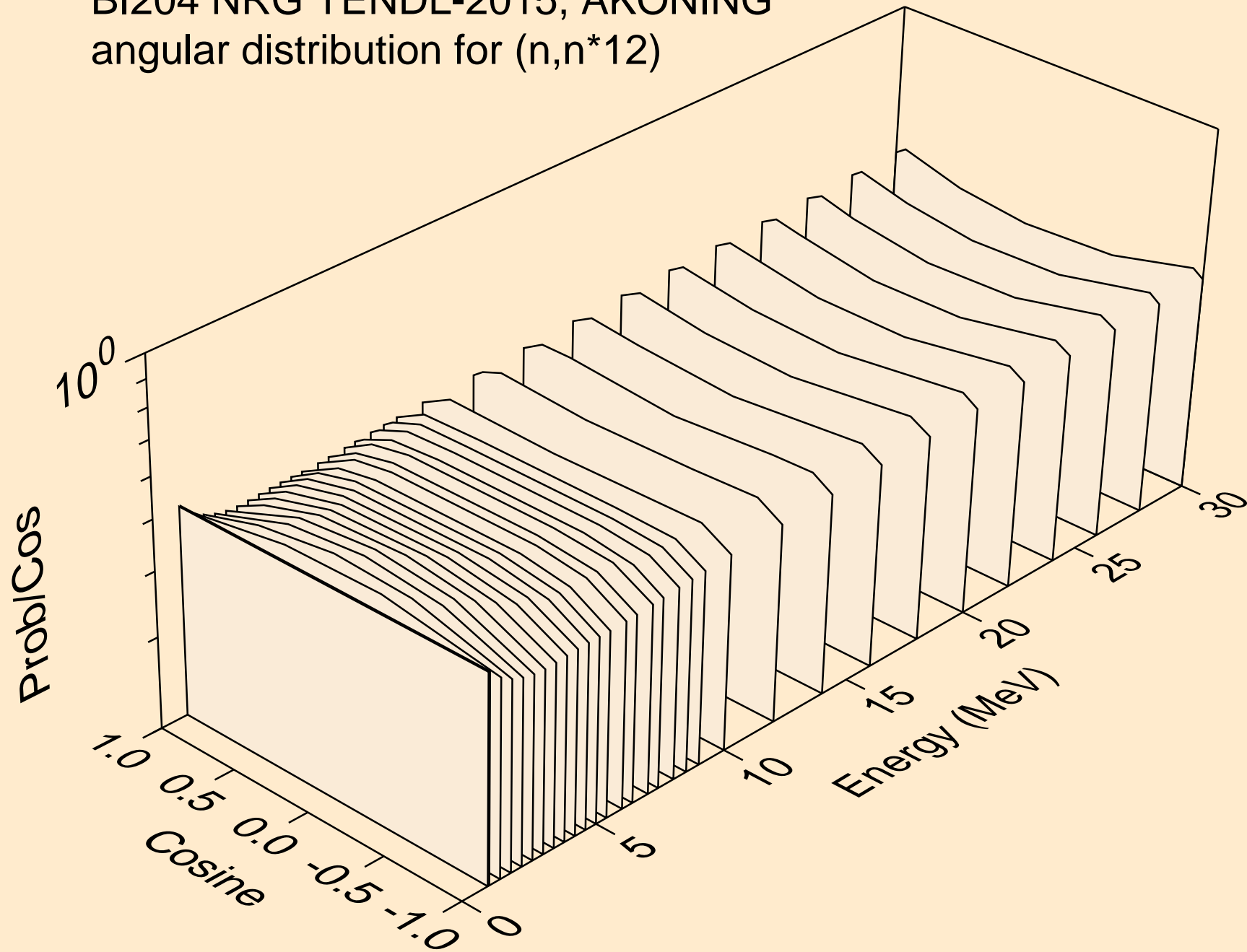
BI204 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



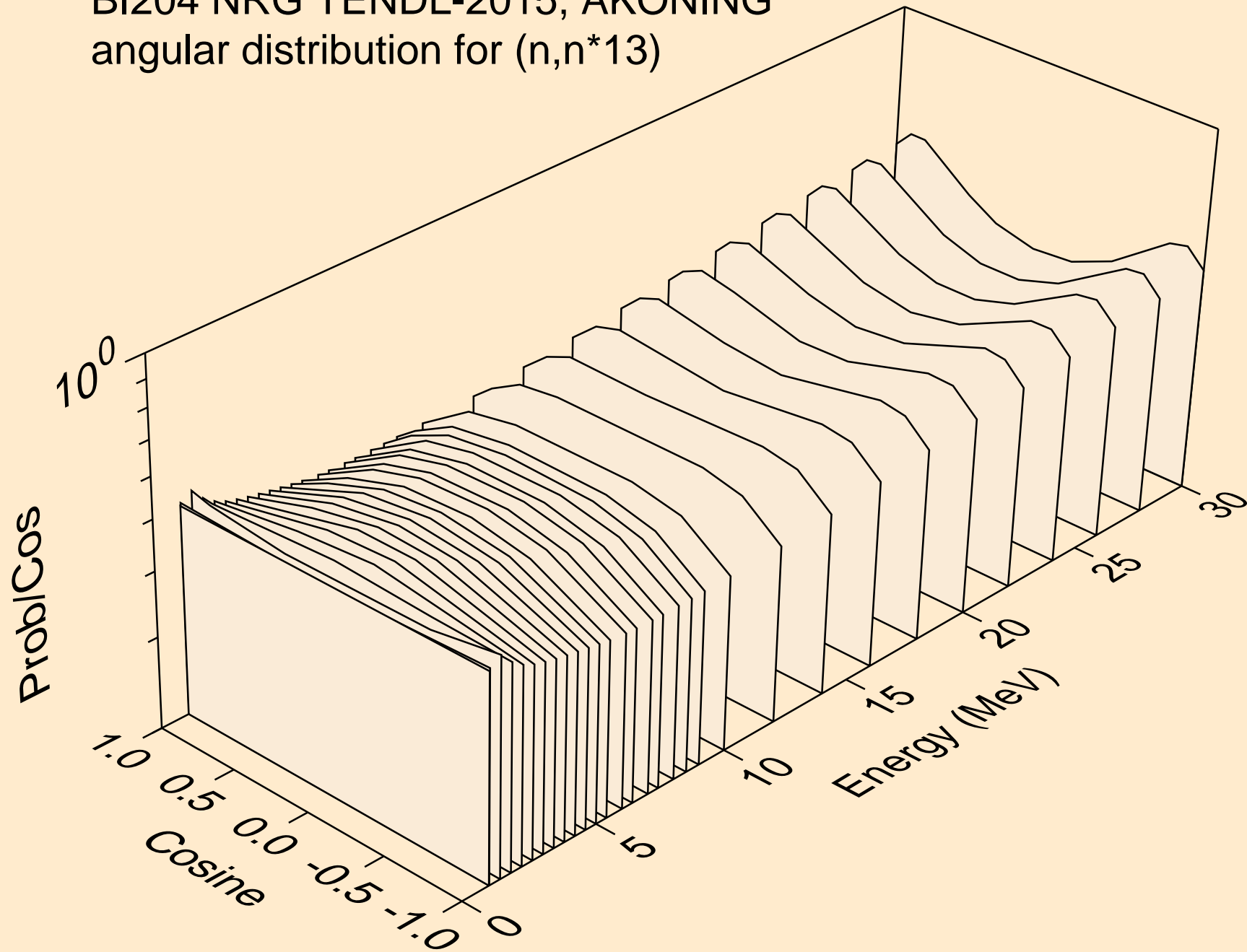
BI204 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



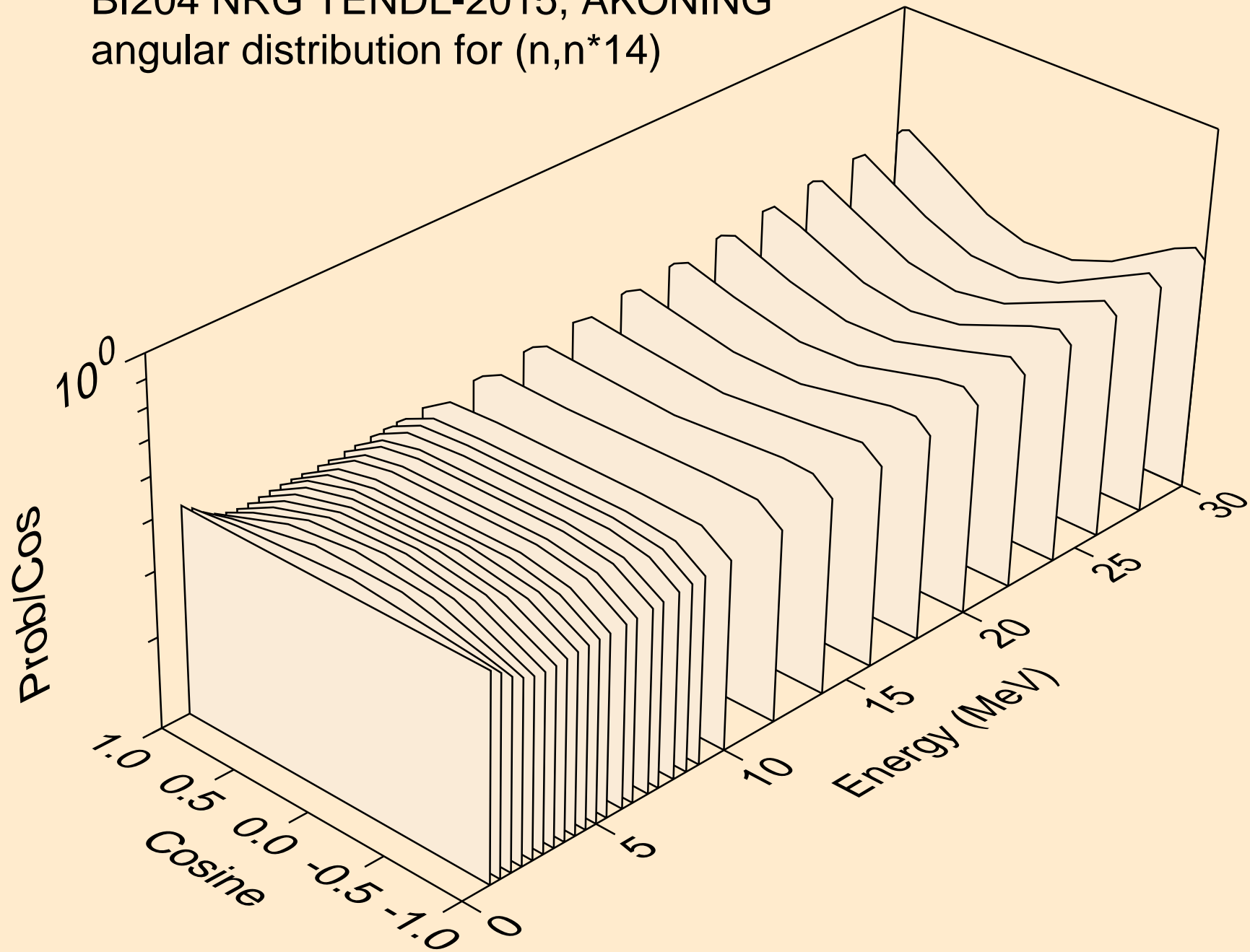
BI204 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



BI204 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)

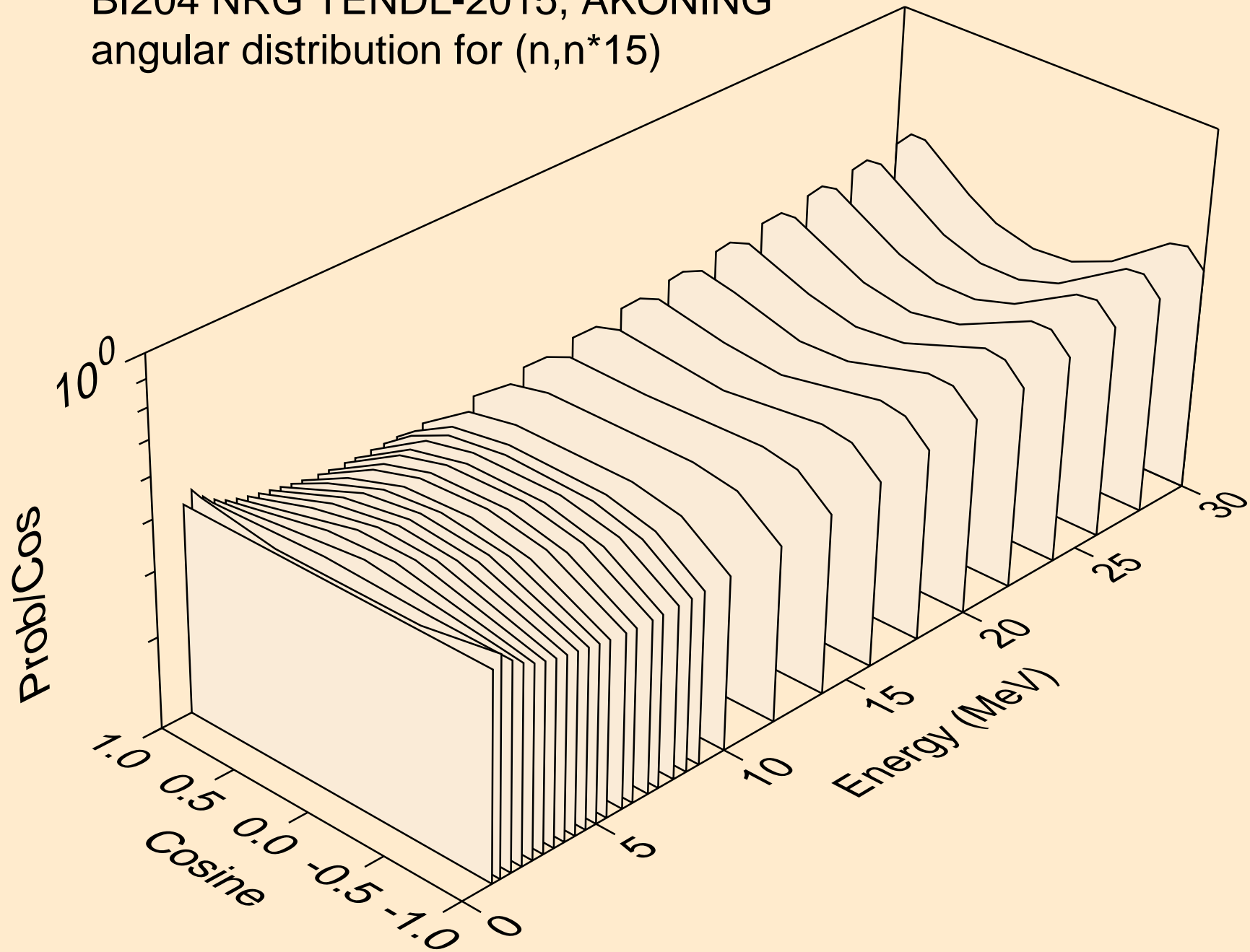


BI204 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)

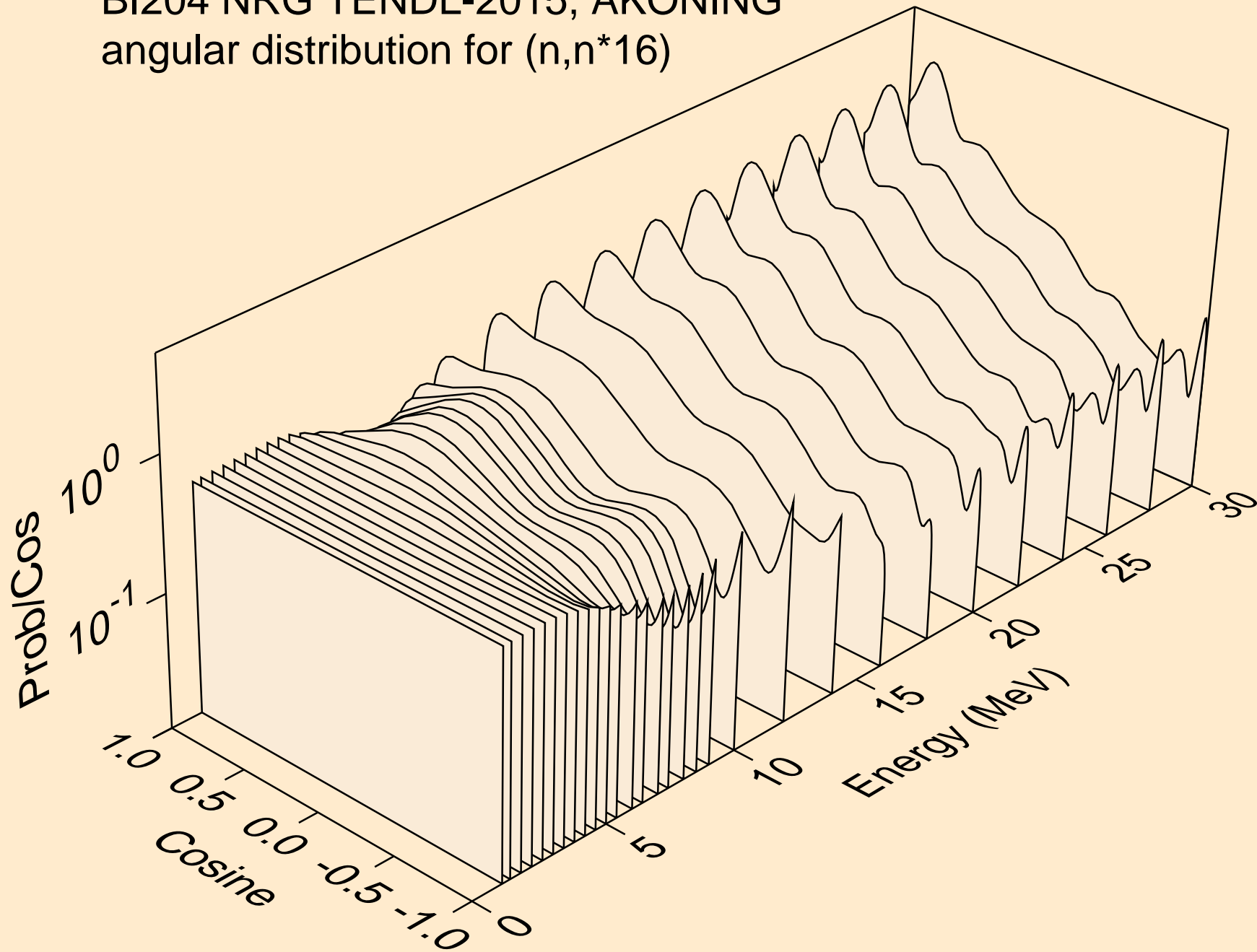




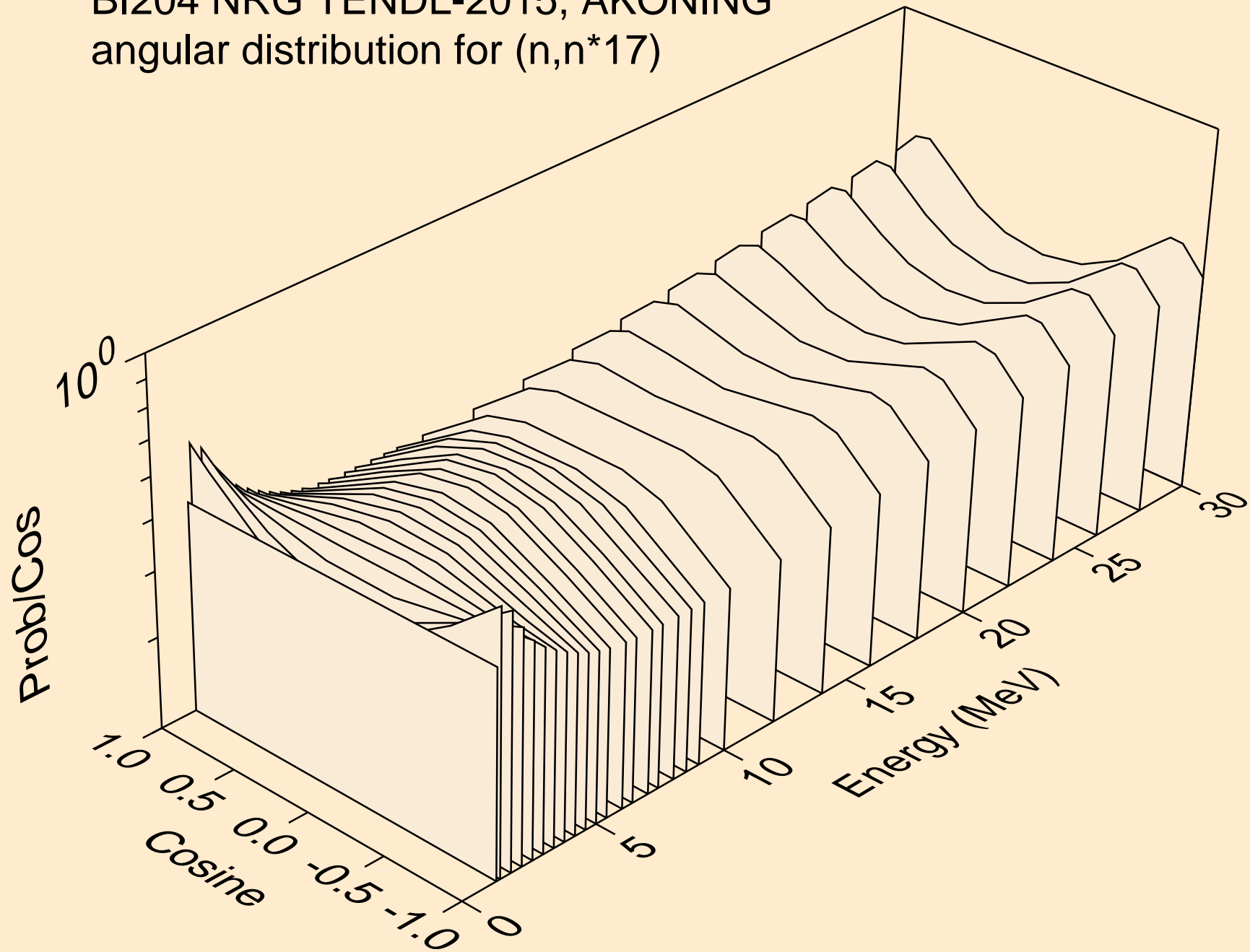
BI204 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



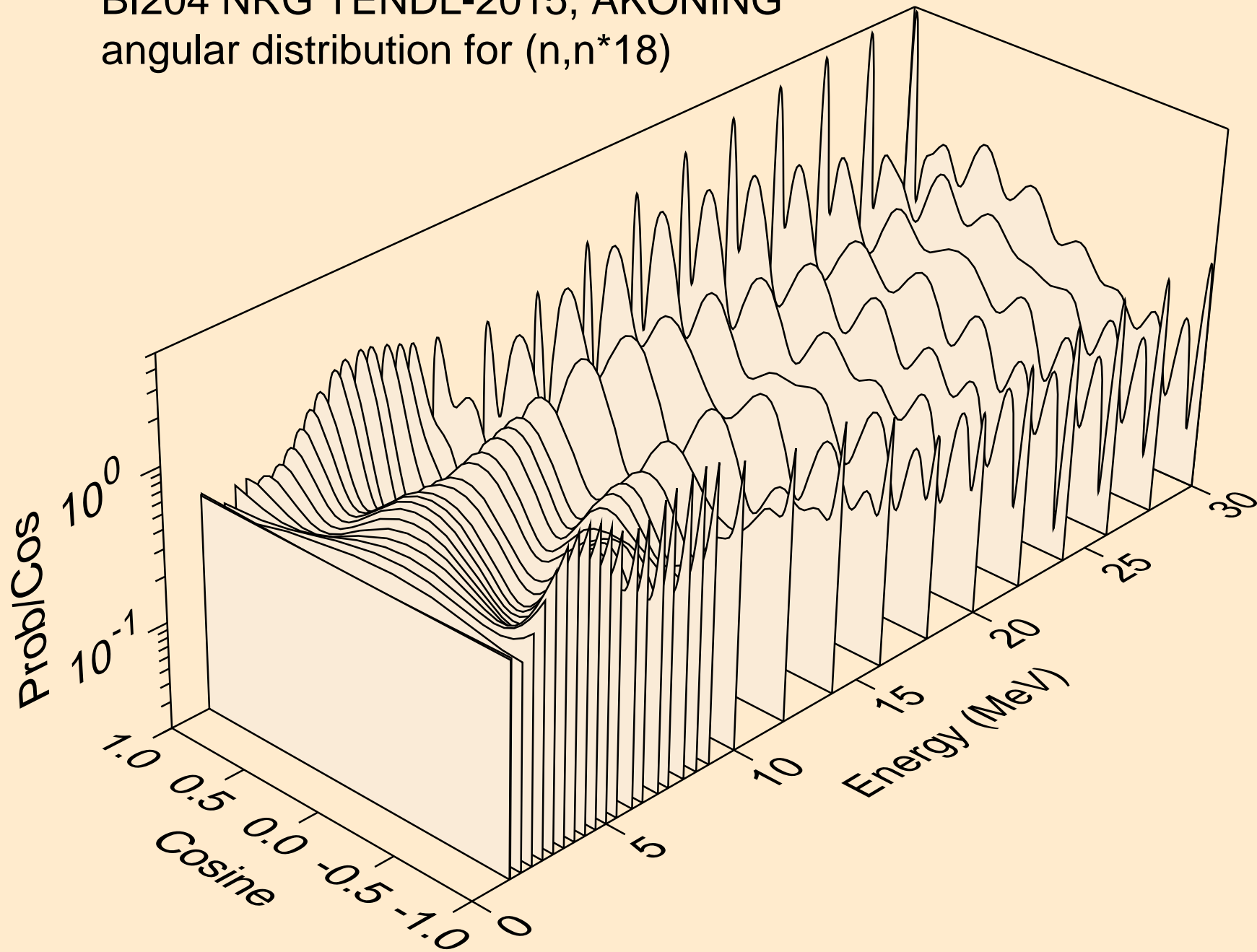
BI204 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)



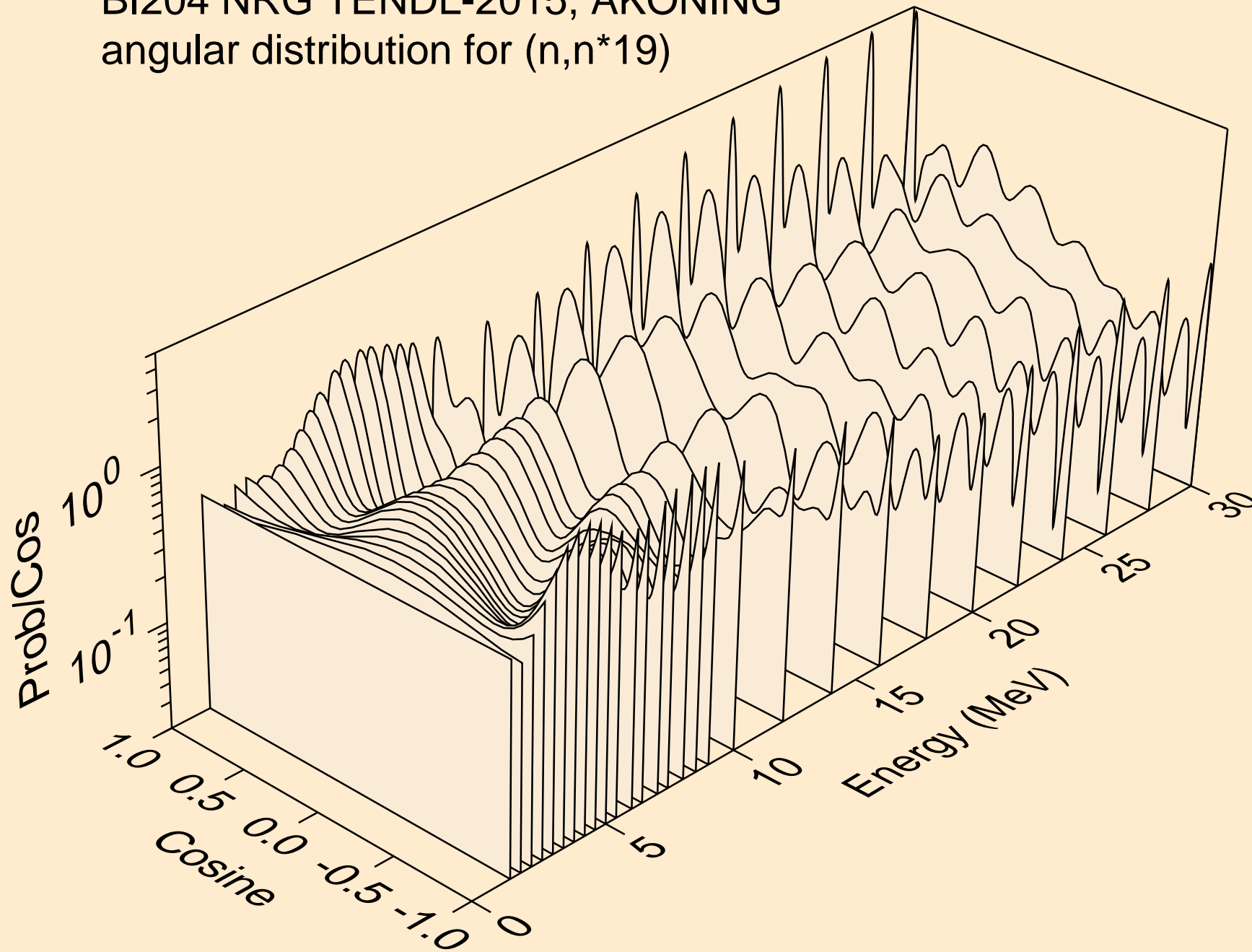
BI204 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



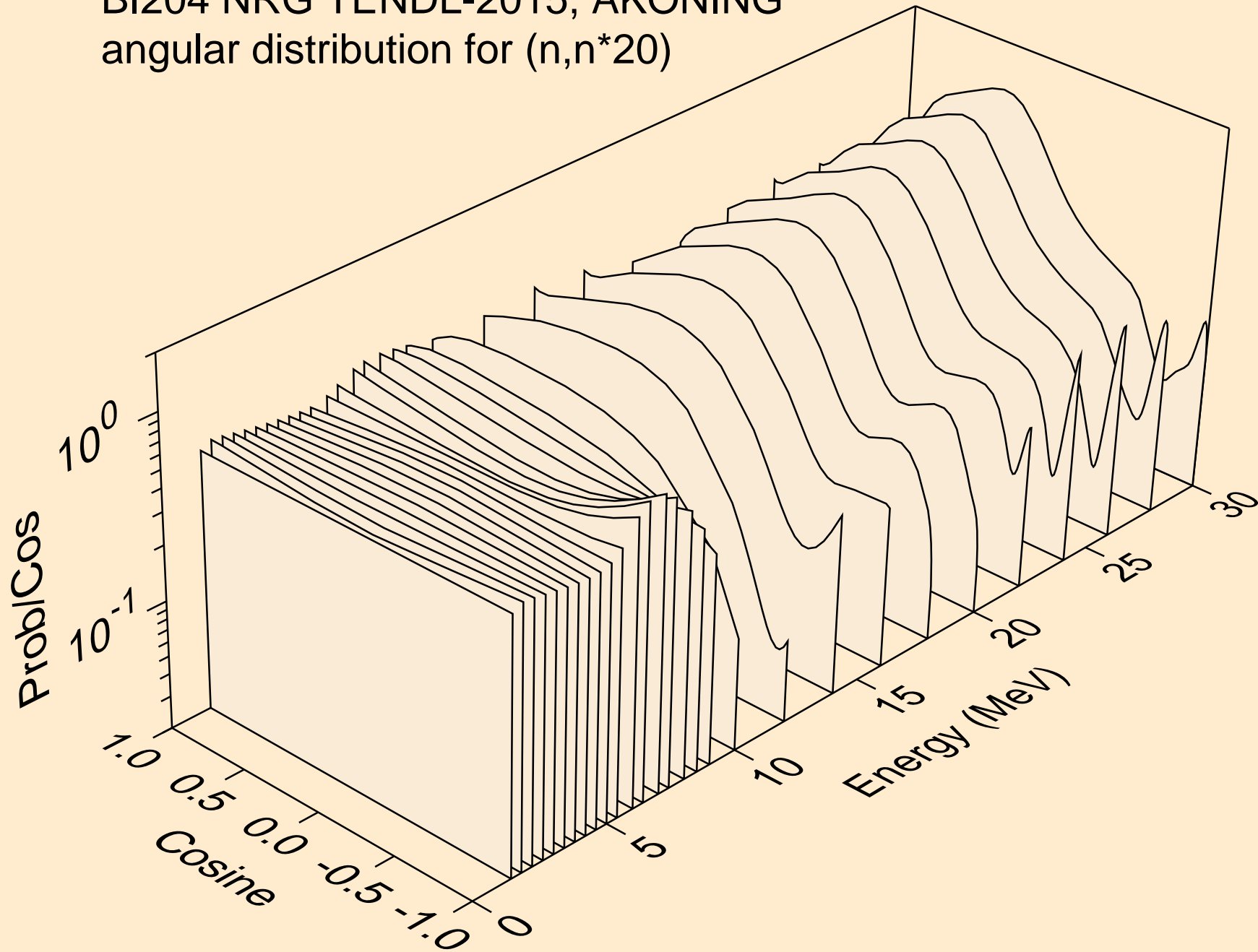
BI204 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



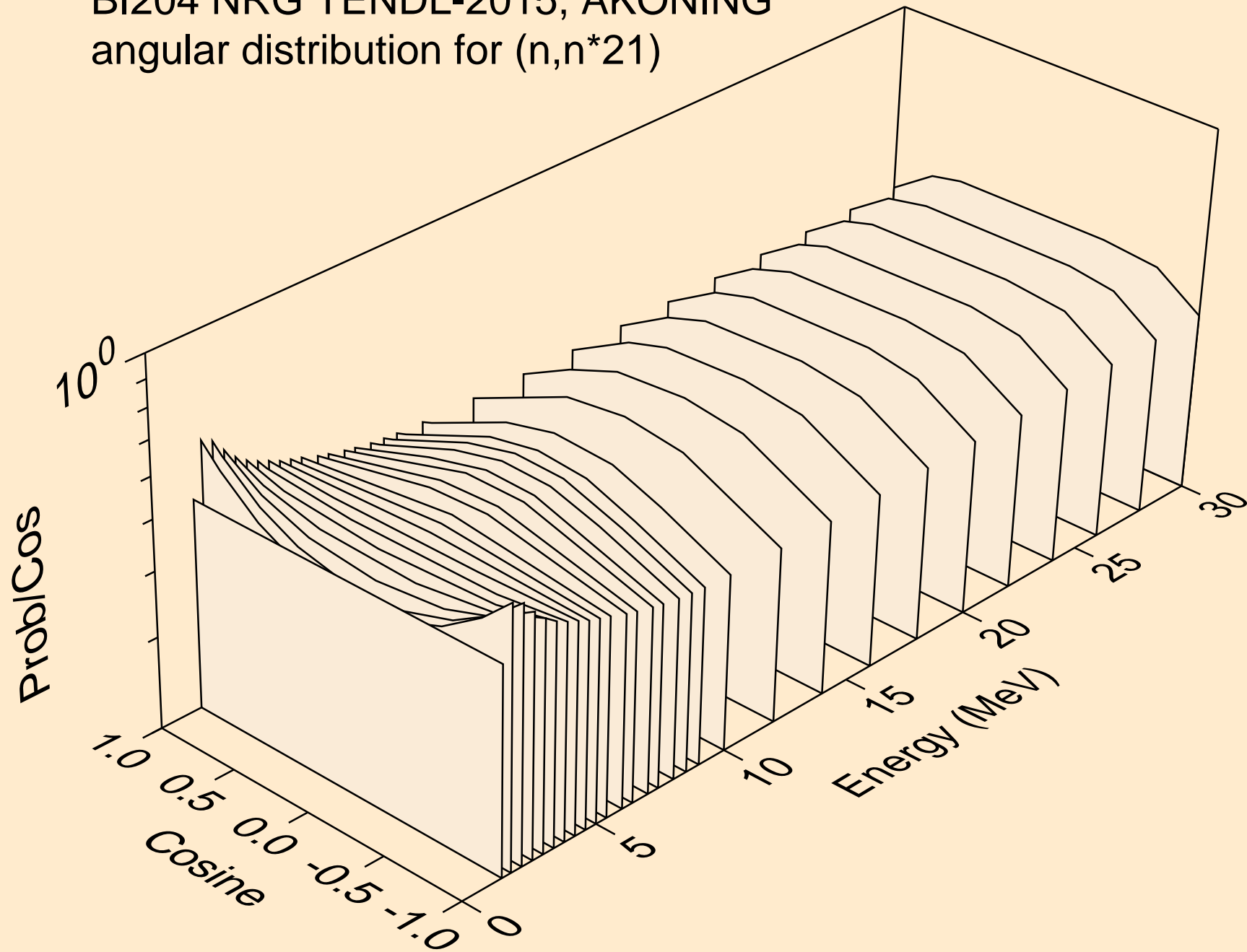
BI204 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



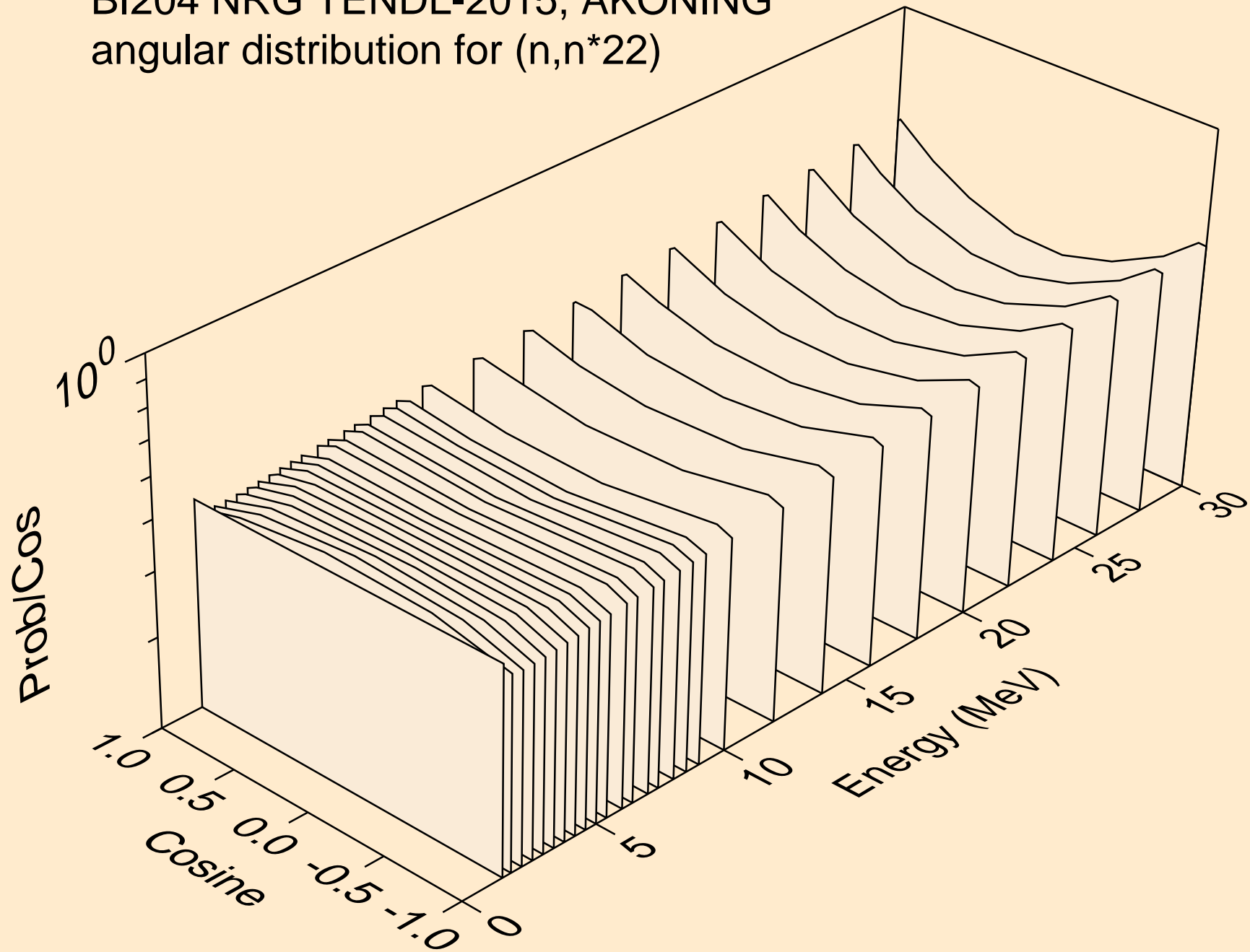
BI204 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



BI204 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)

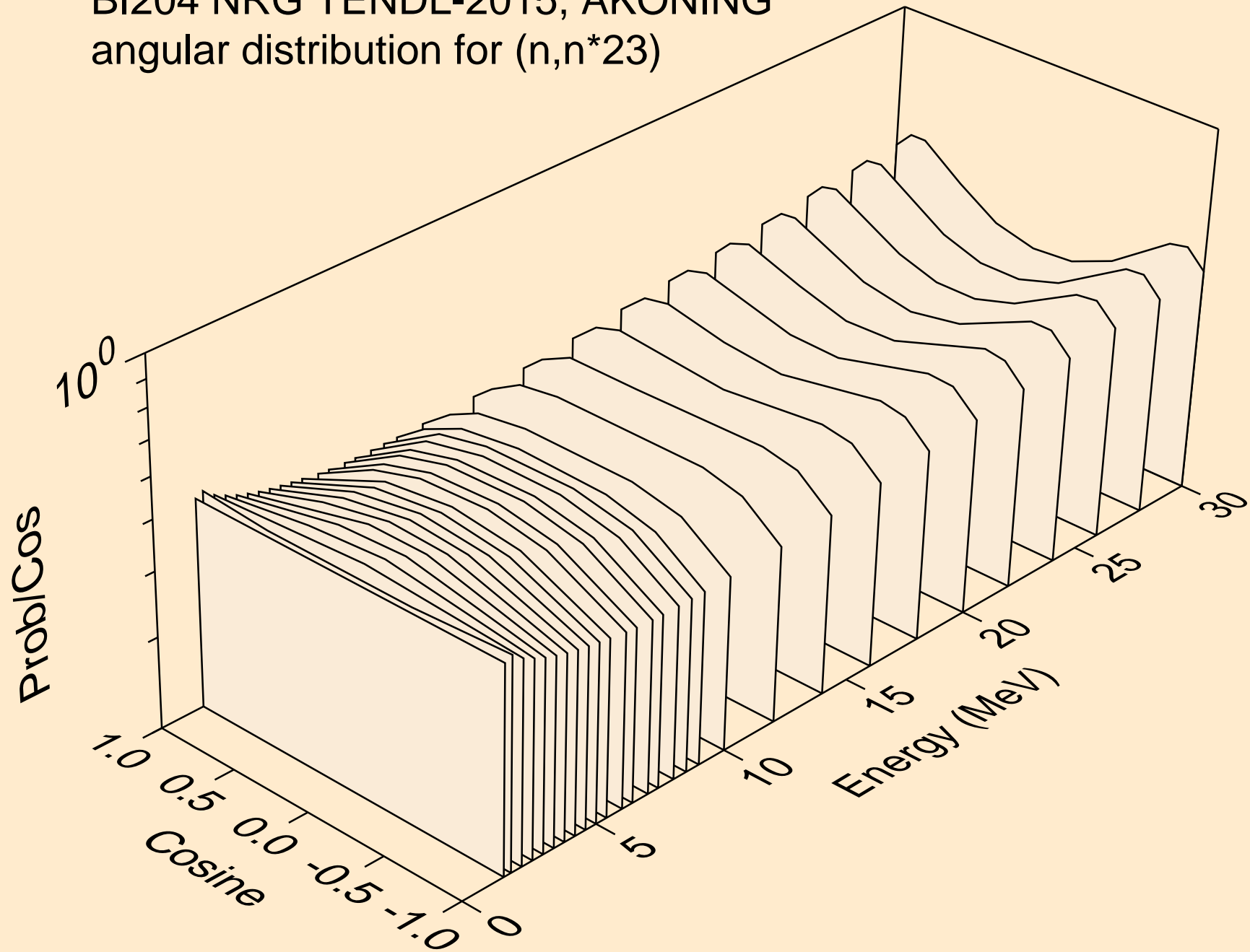


BI204 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)

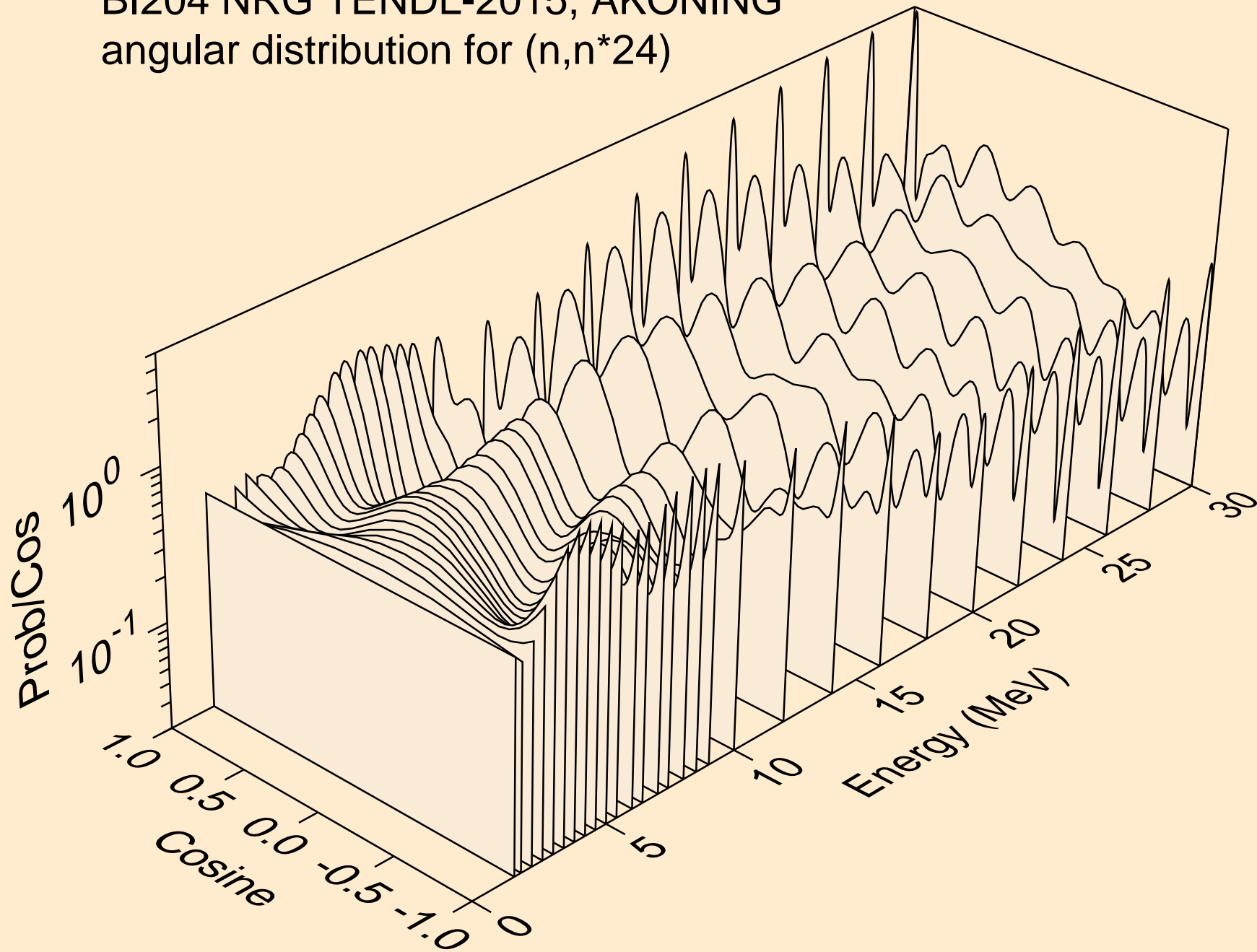




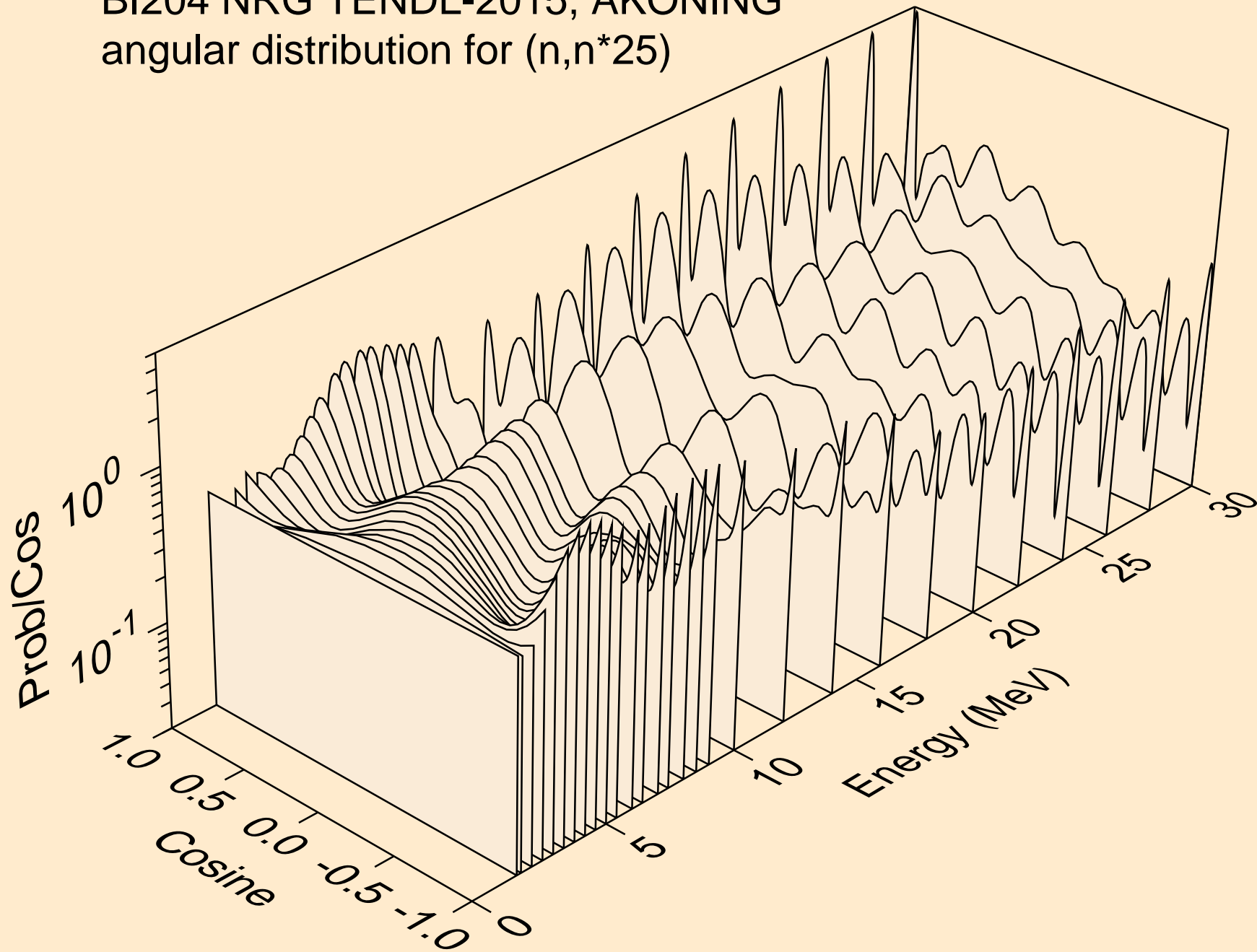
BI204 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)



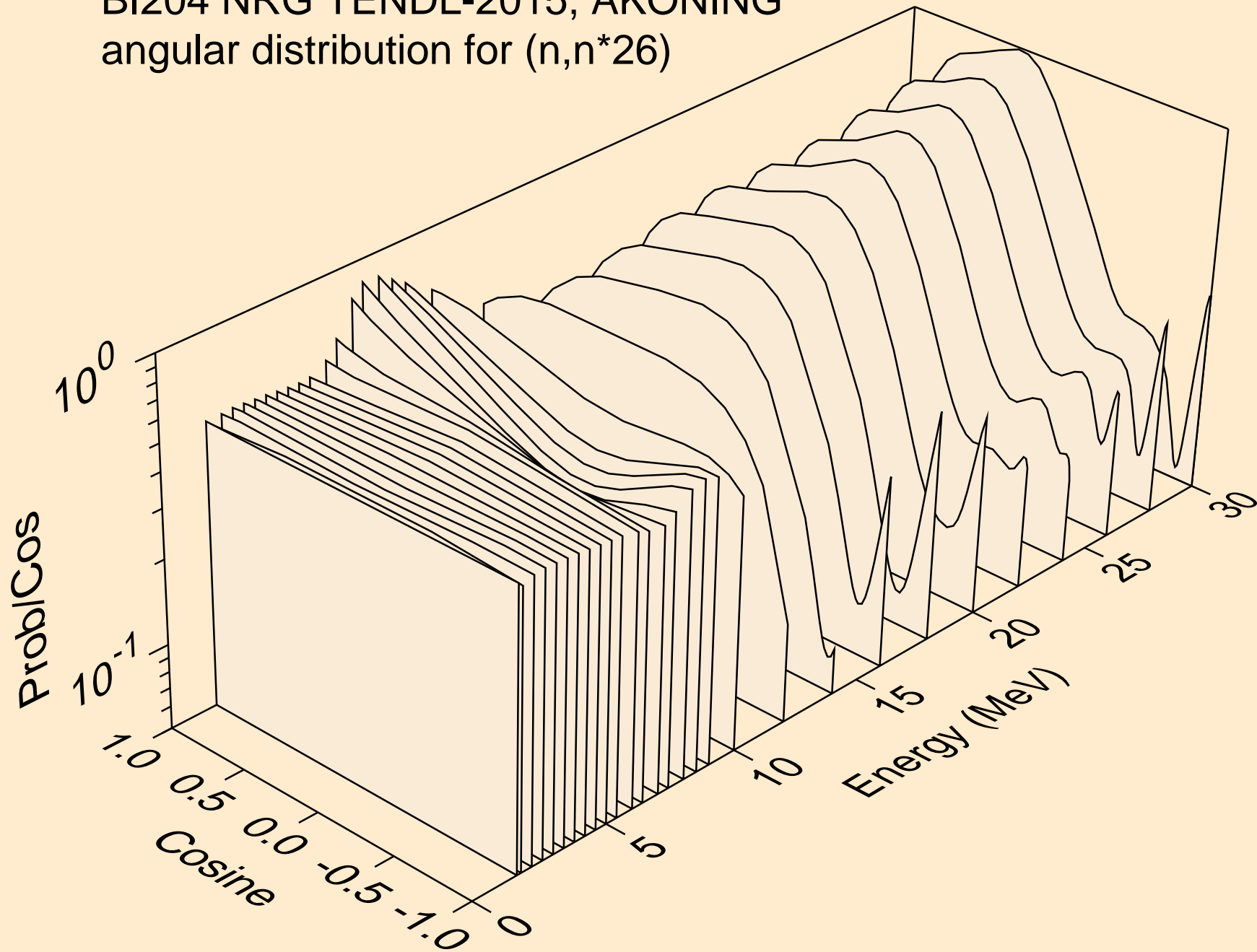
BI204 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)



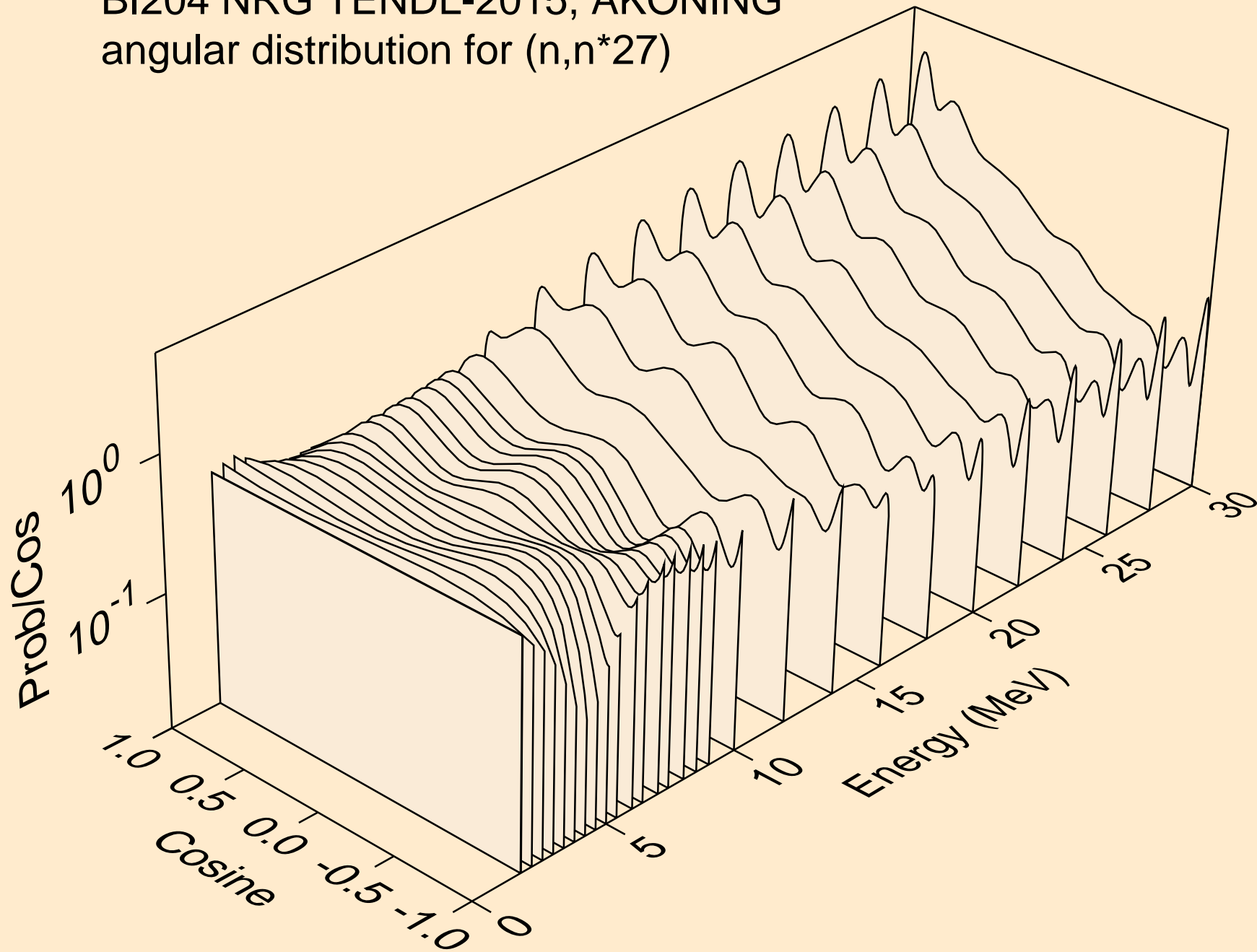
BI204 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



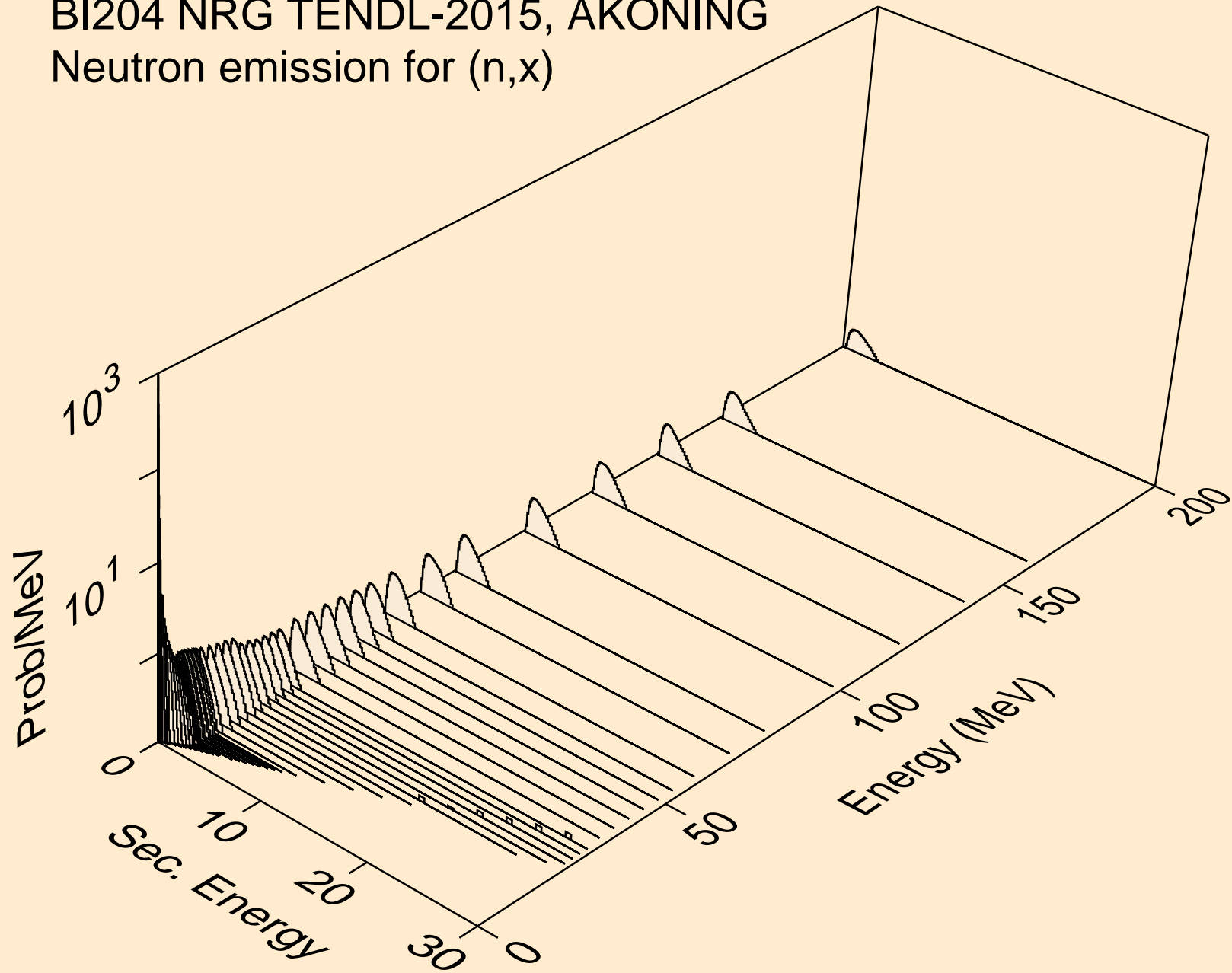
BI204 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



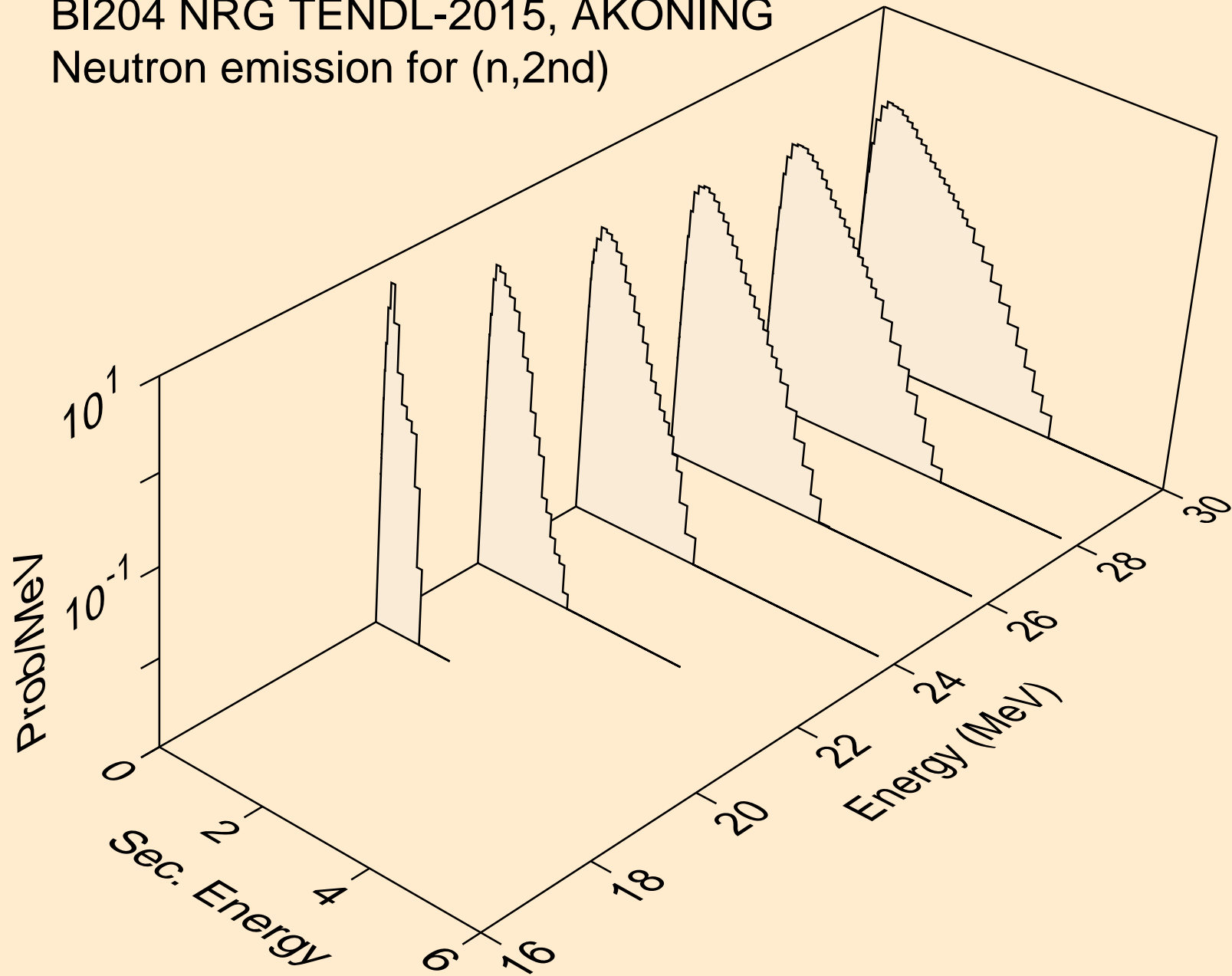
BI204 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*27)



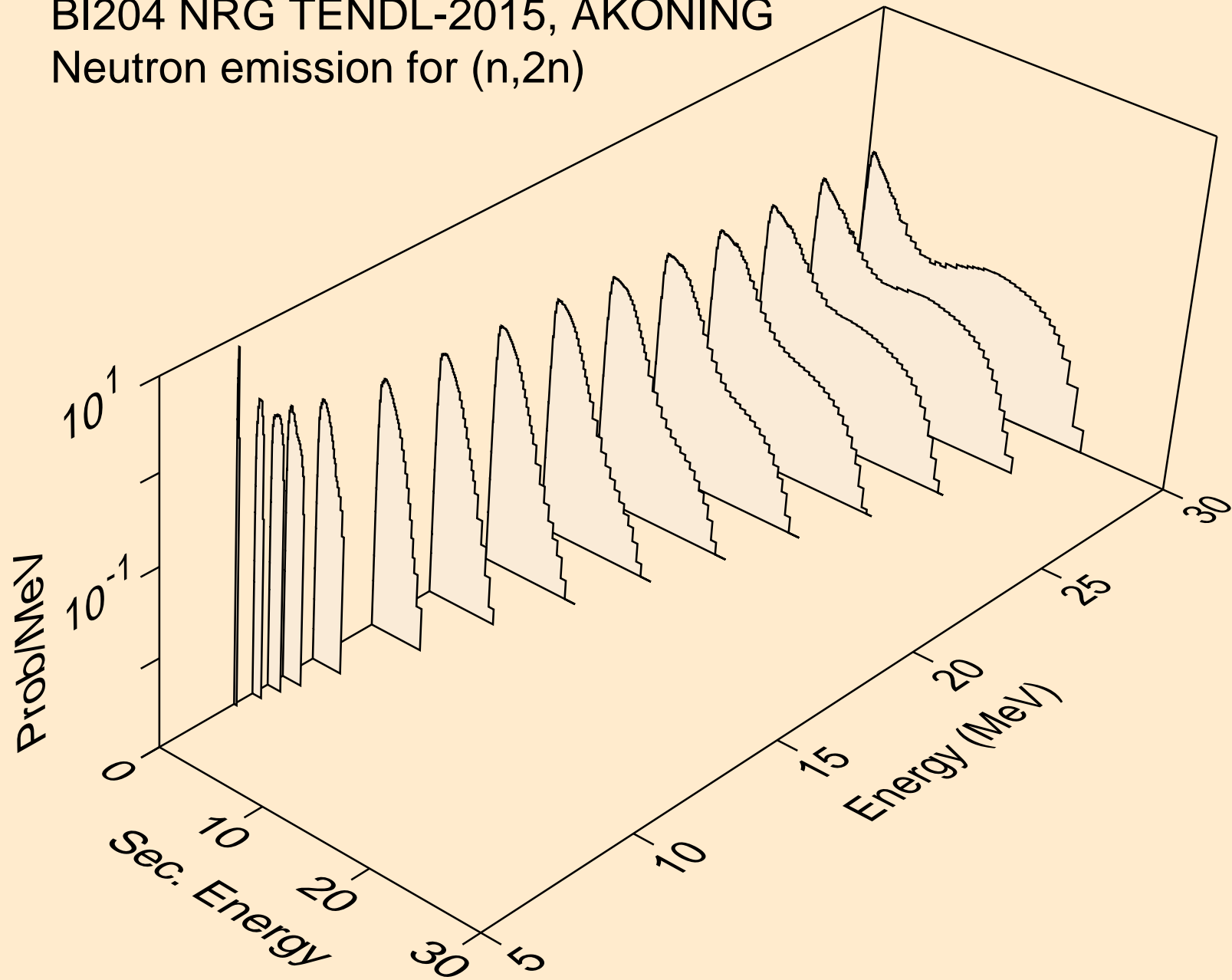
BI204 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



BI204 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)

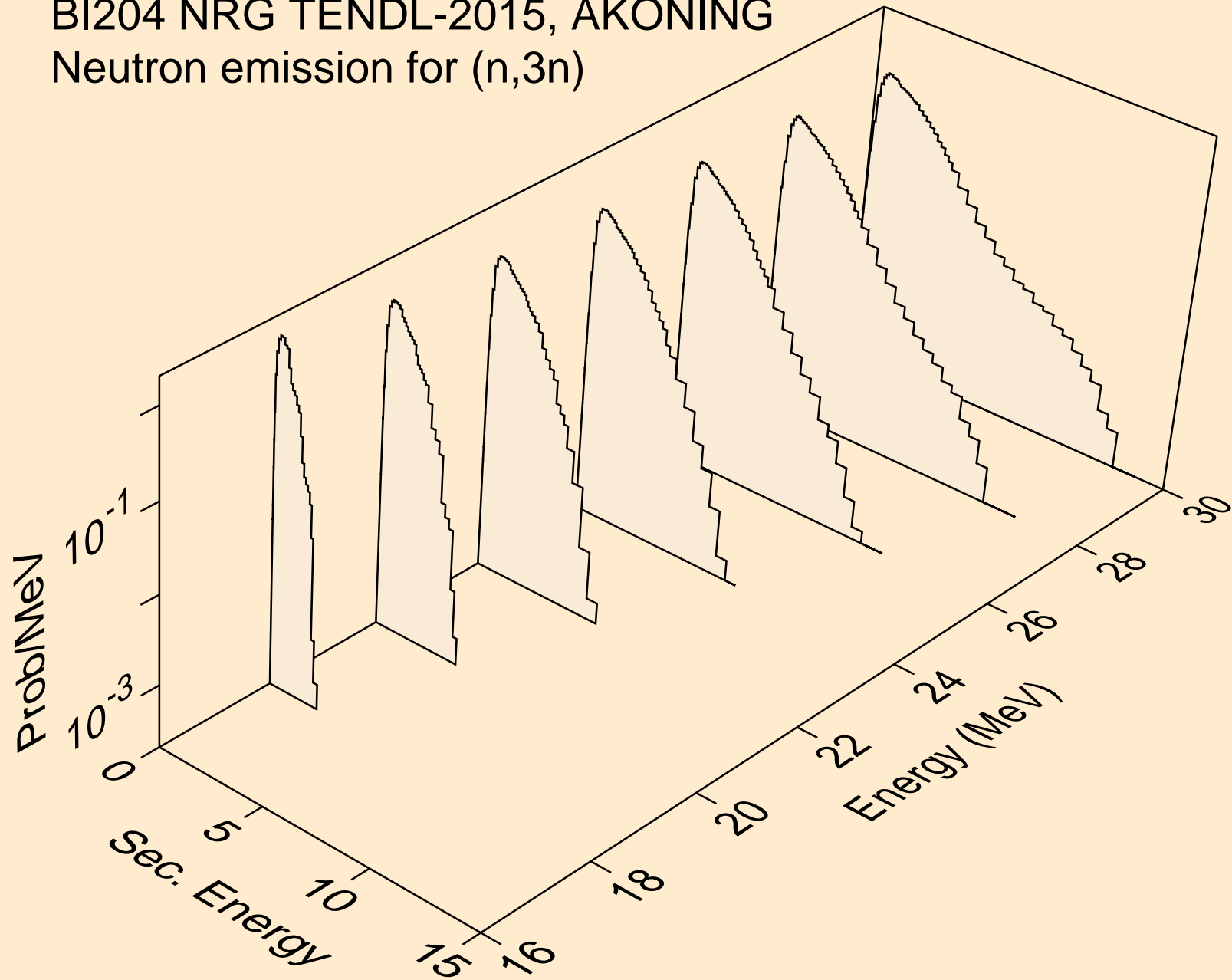


BI204 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)

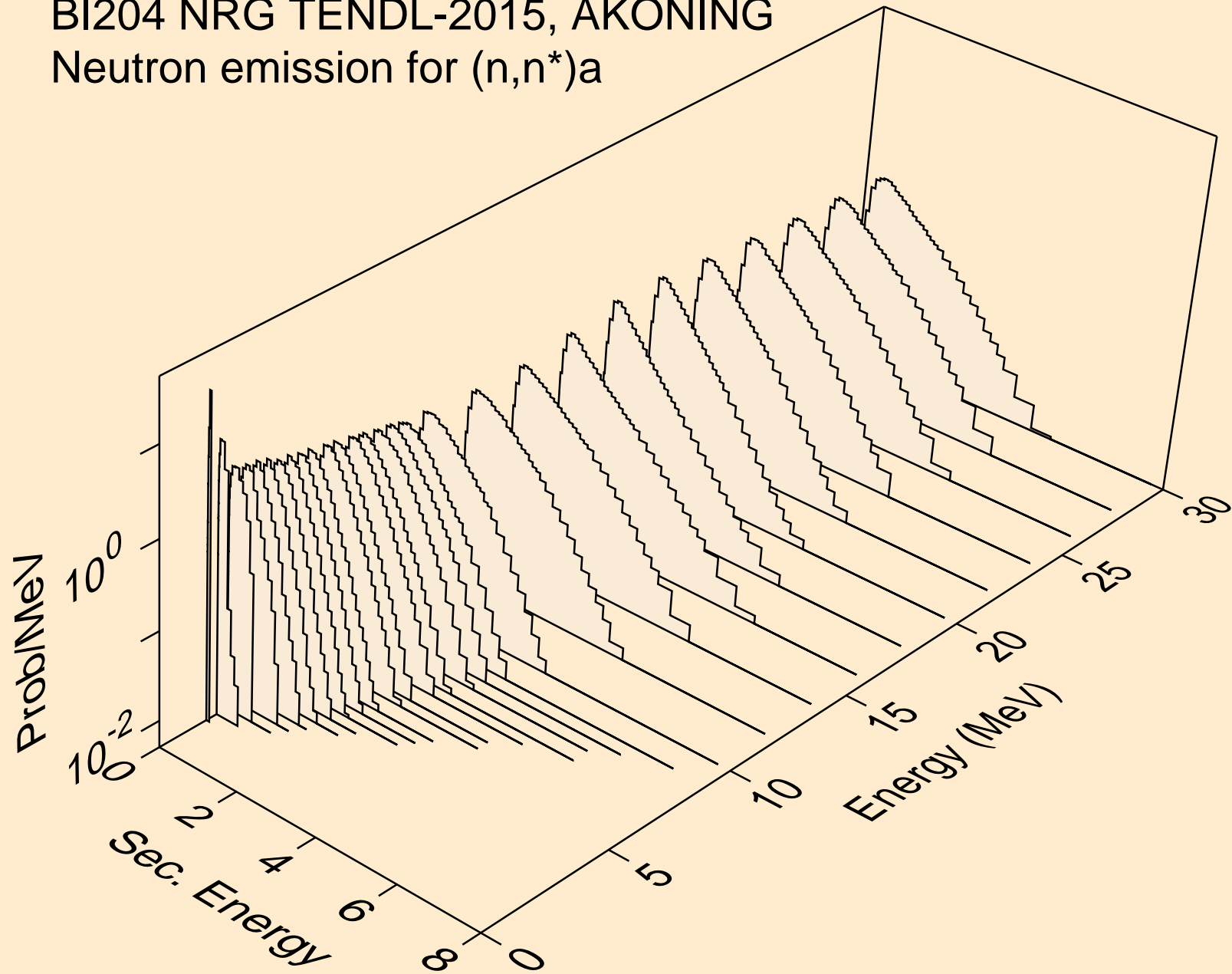




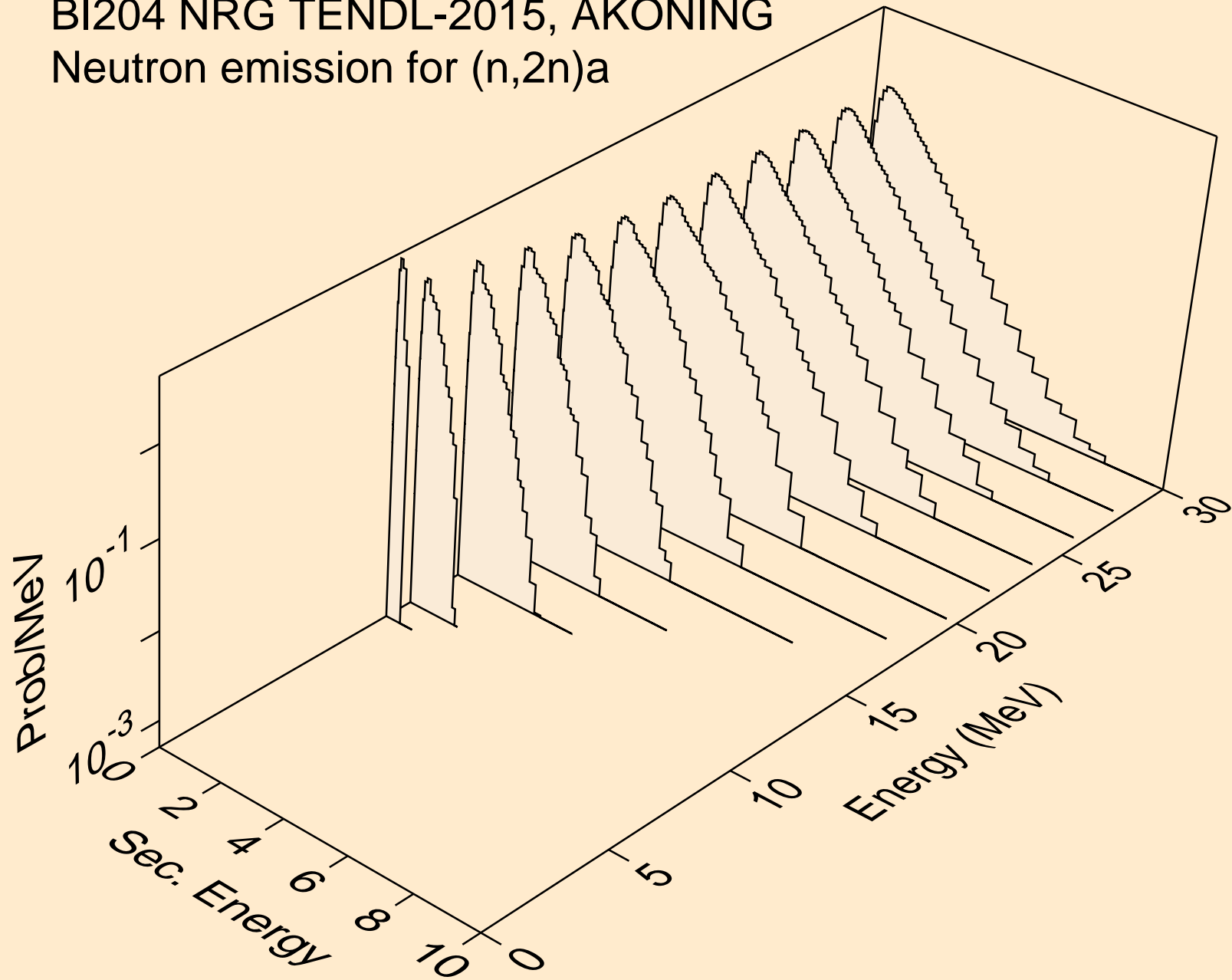
BI204 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



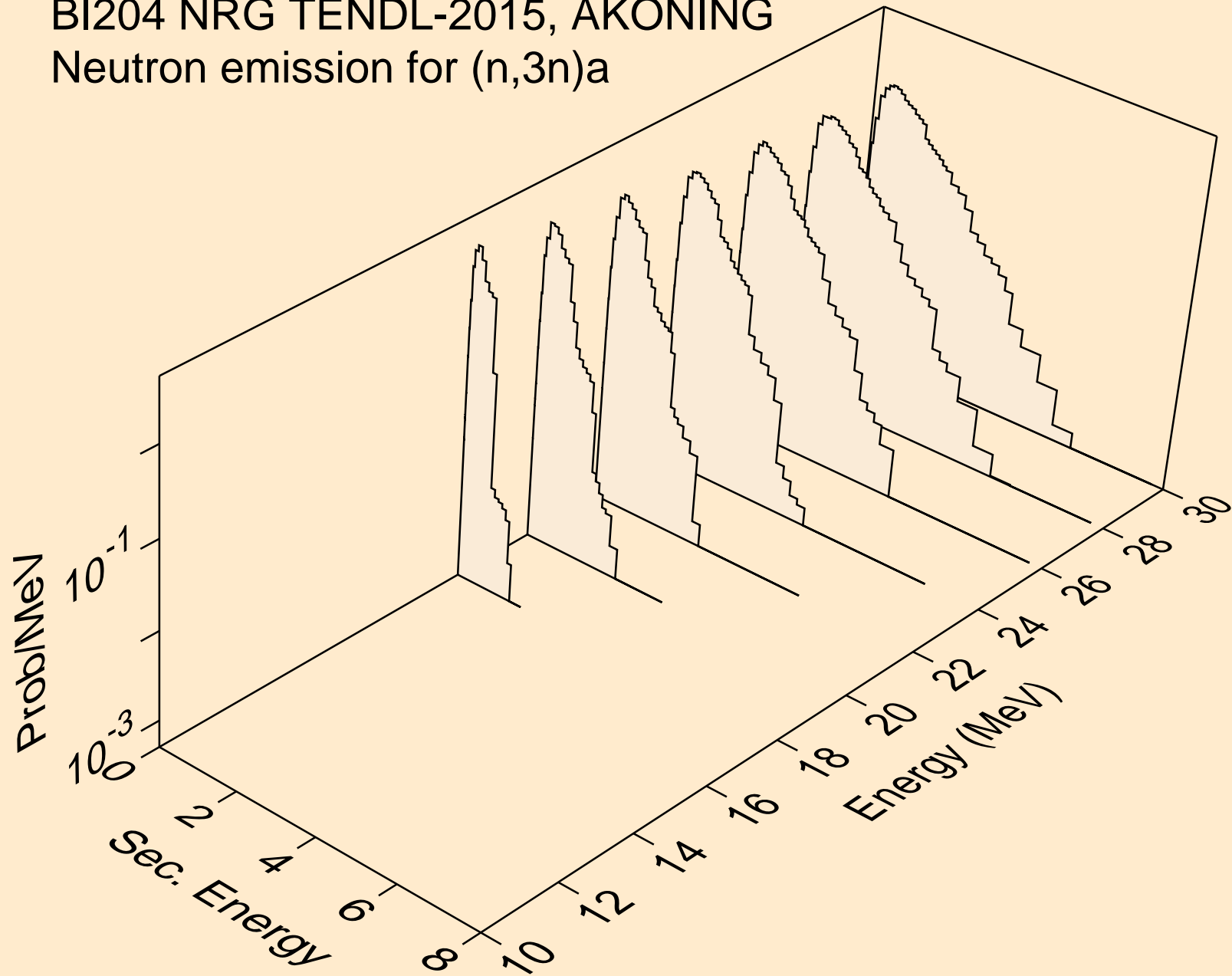
BI204 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



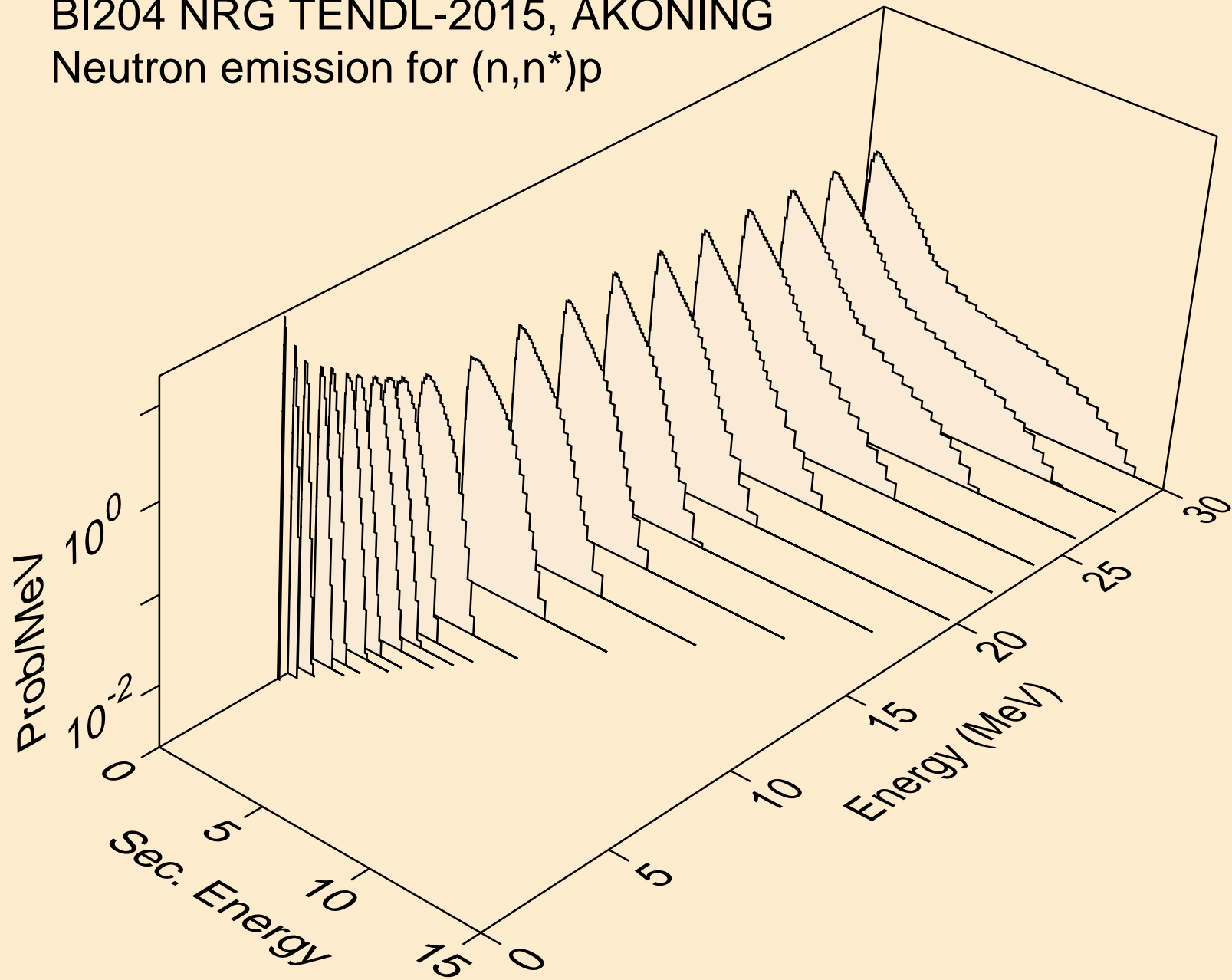
BI204 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



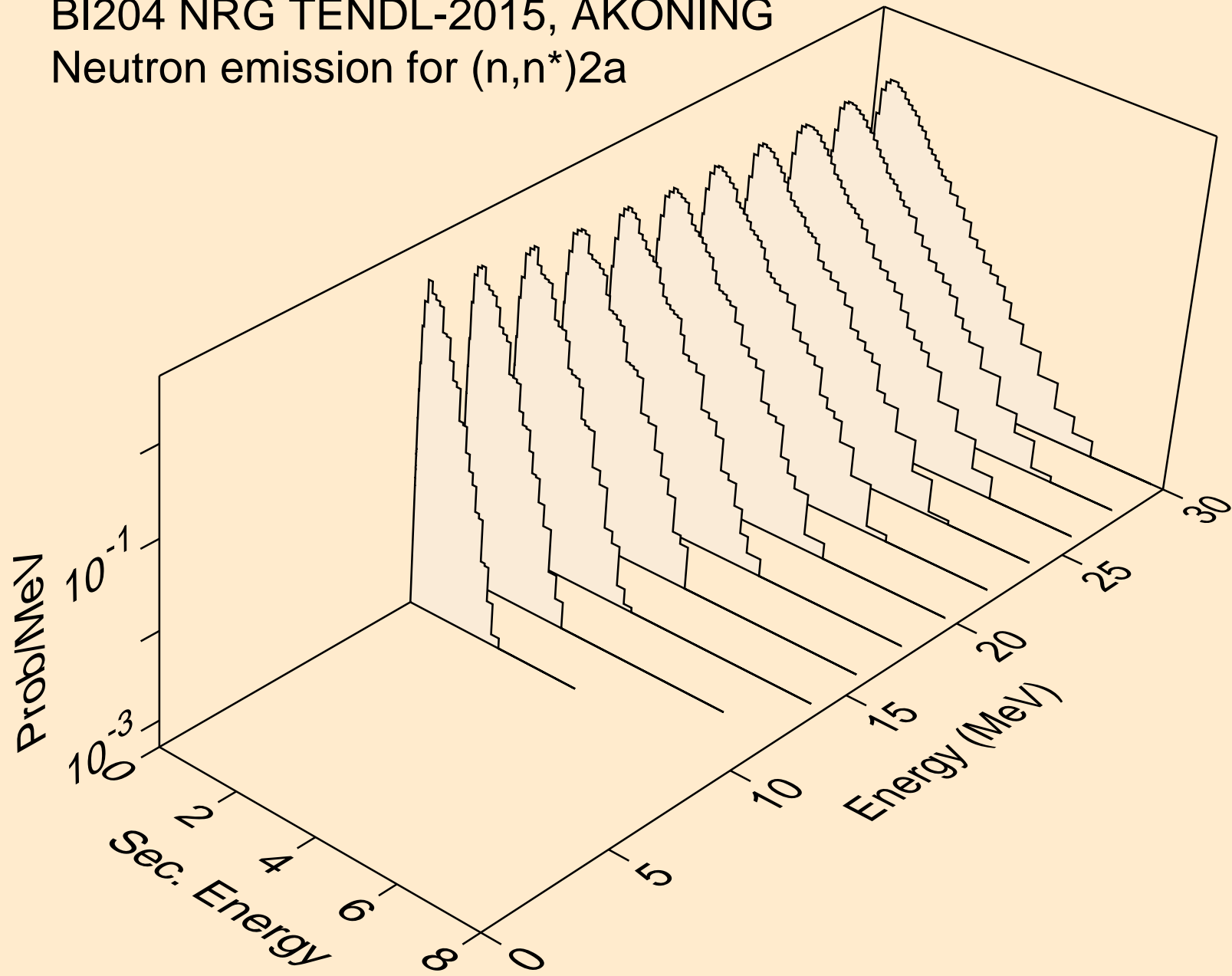
BI204 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



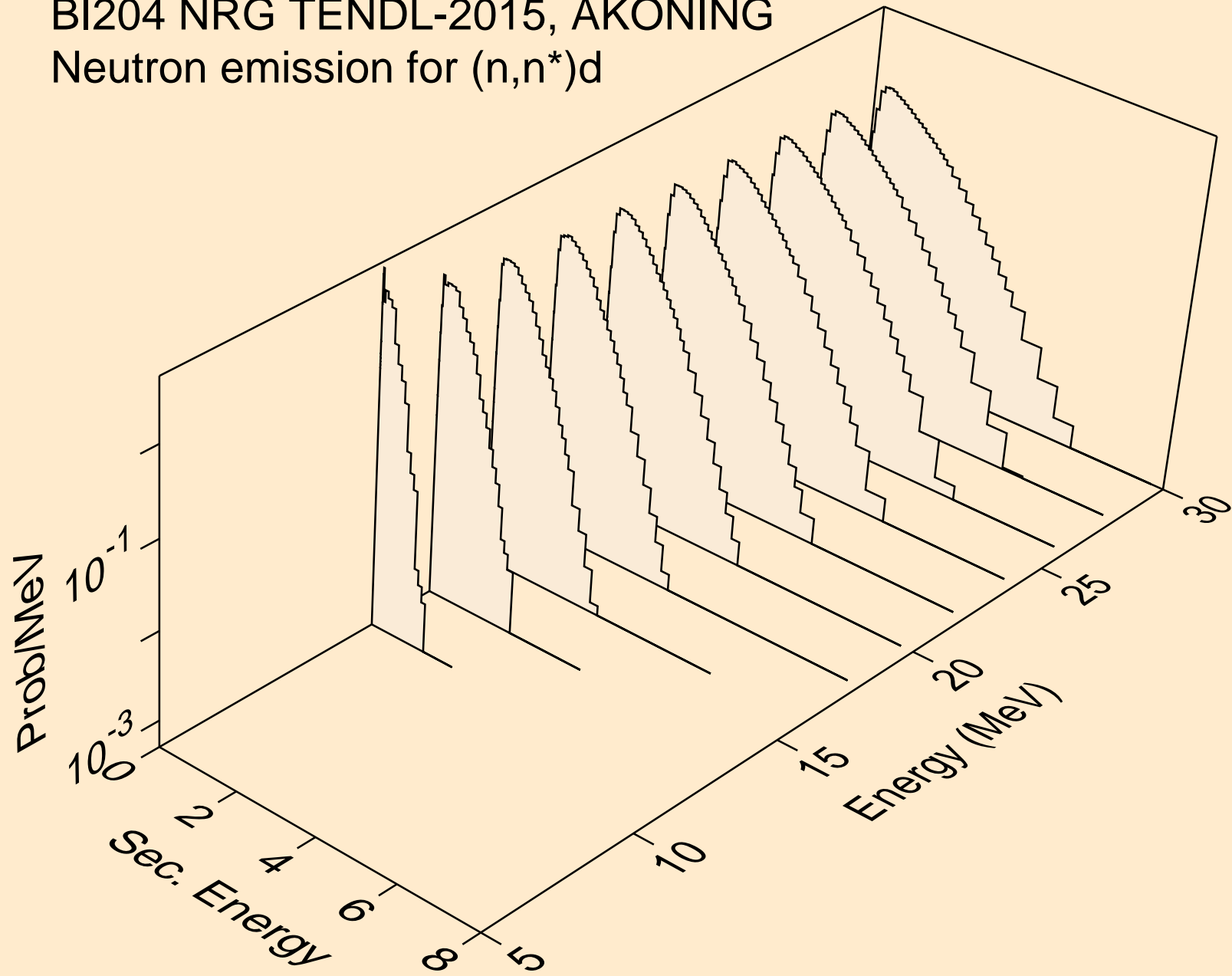
BI204 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



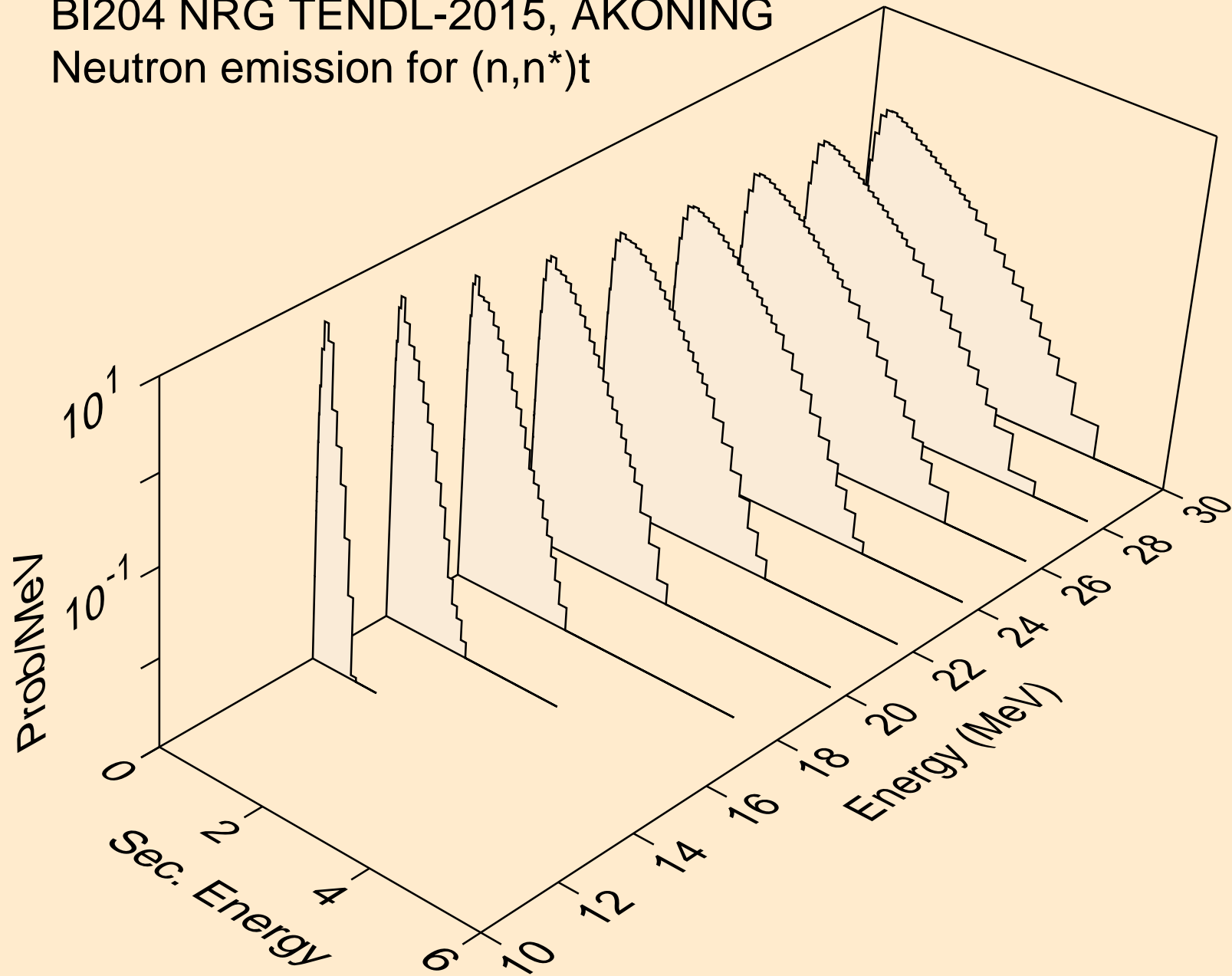
BI204 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



BI204 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d

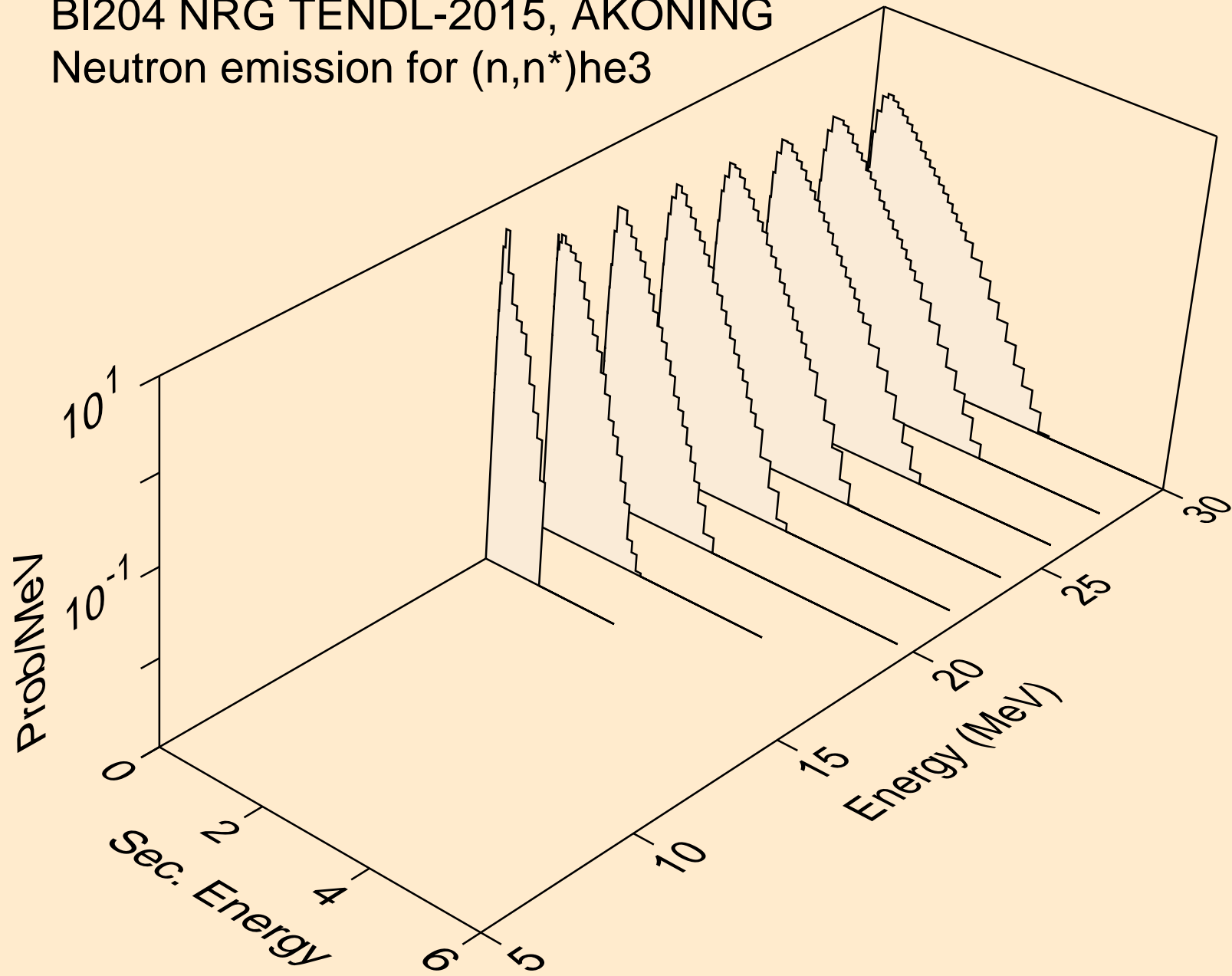


BI204 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t

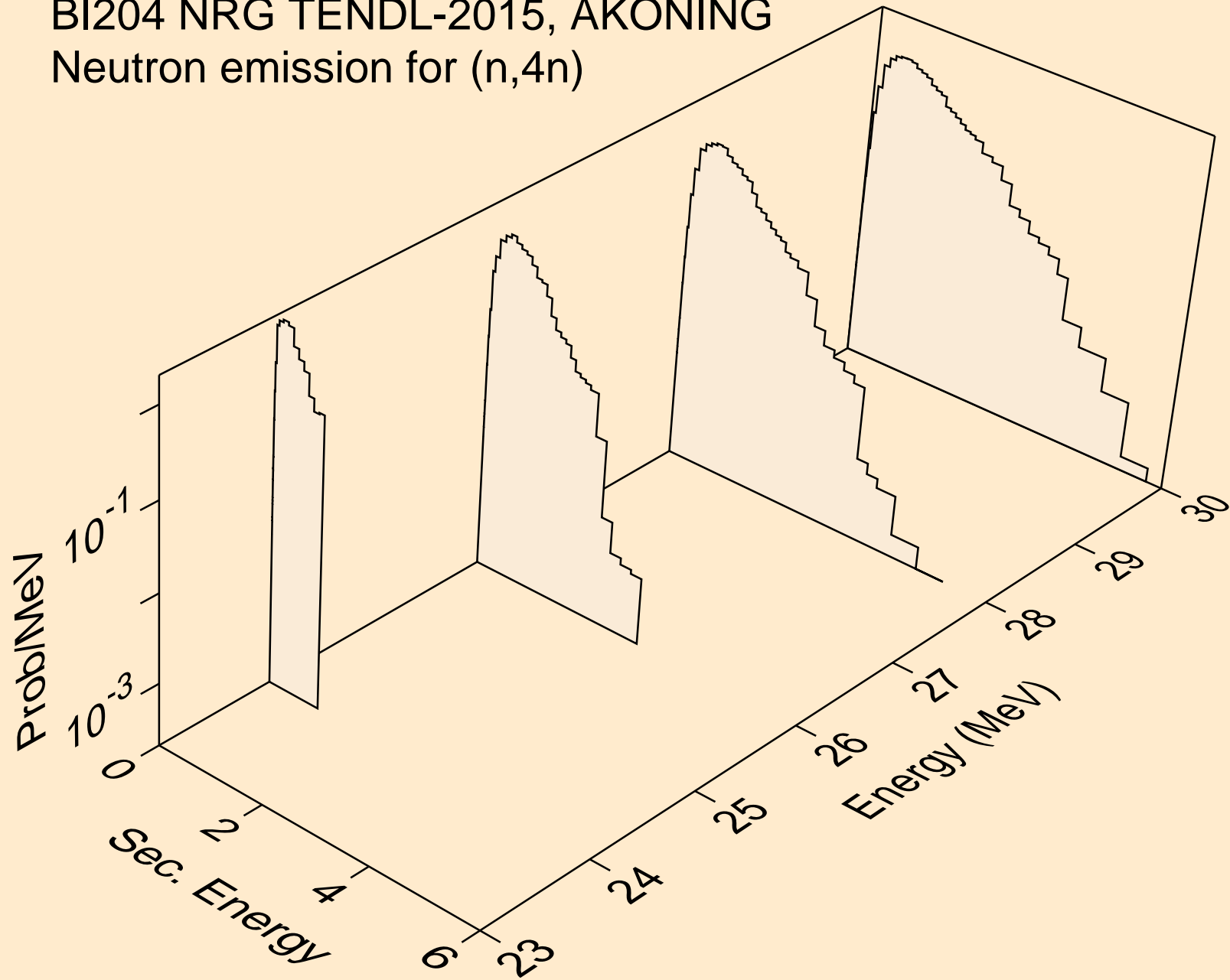




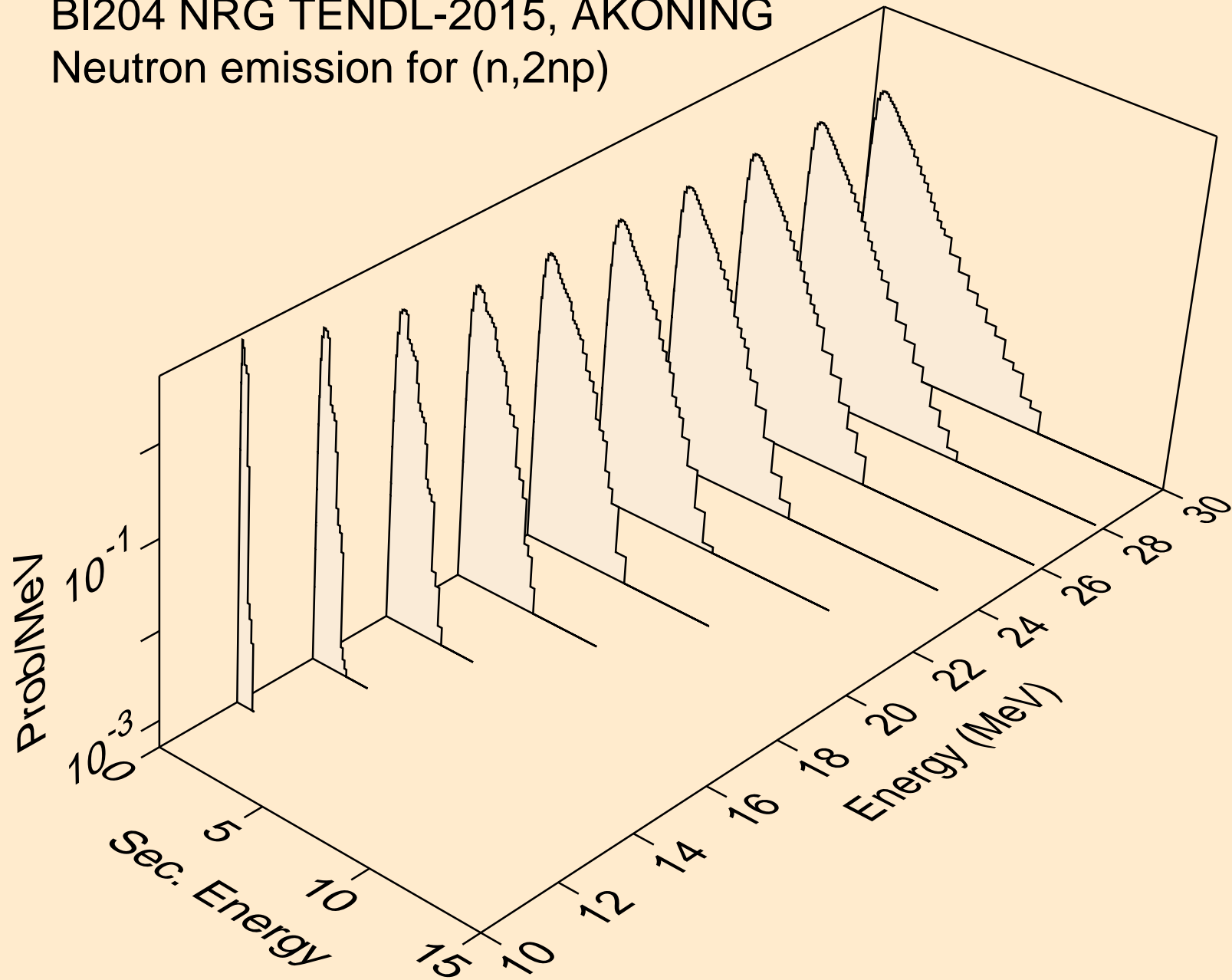
BI204 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



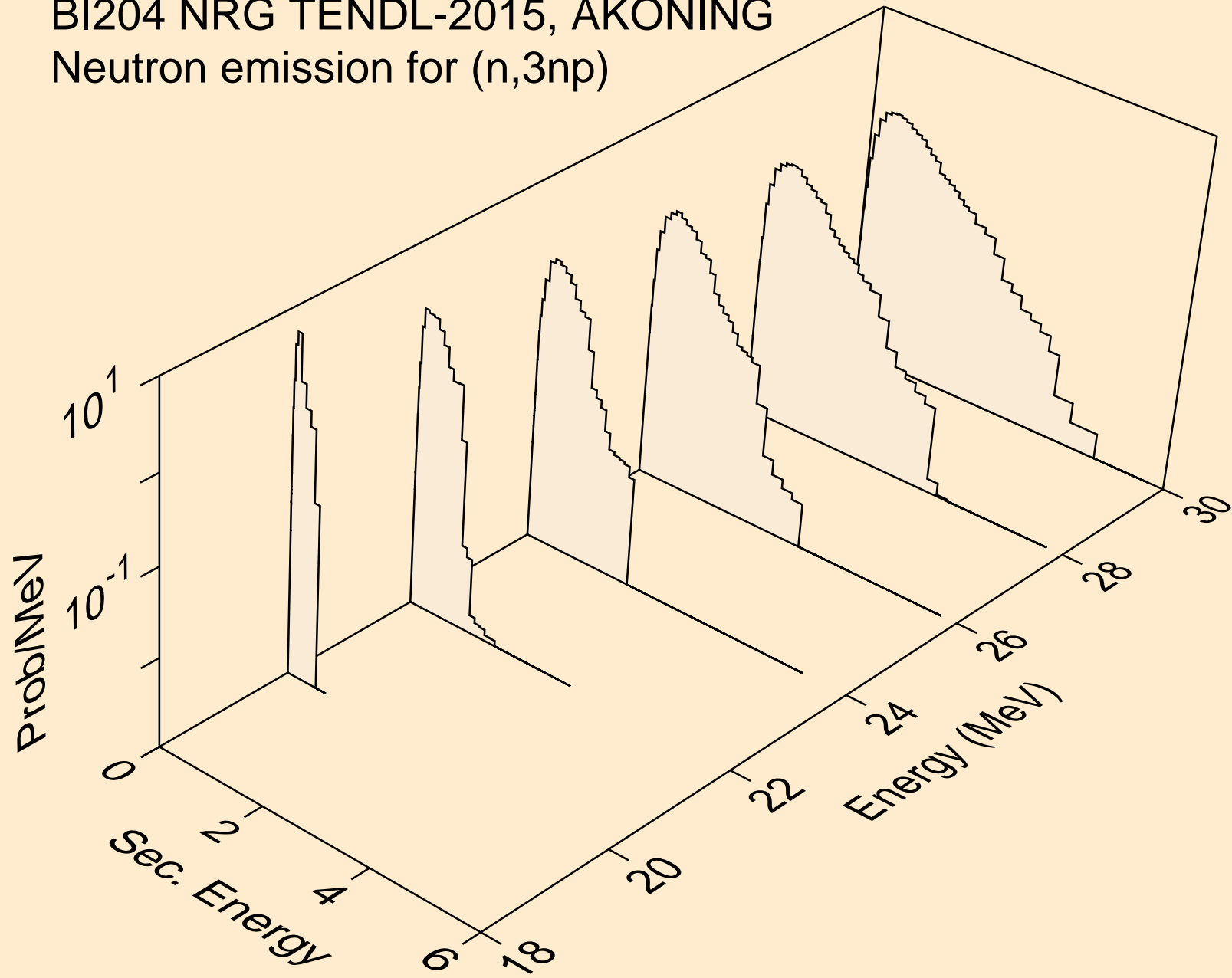
BI204 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



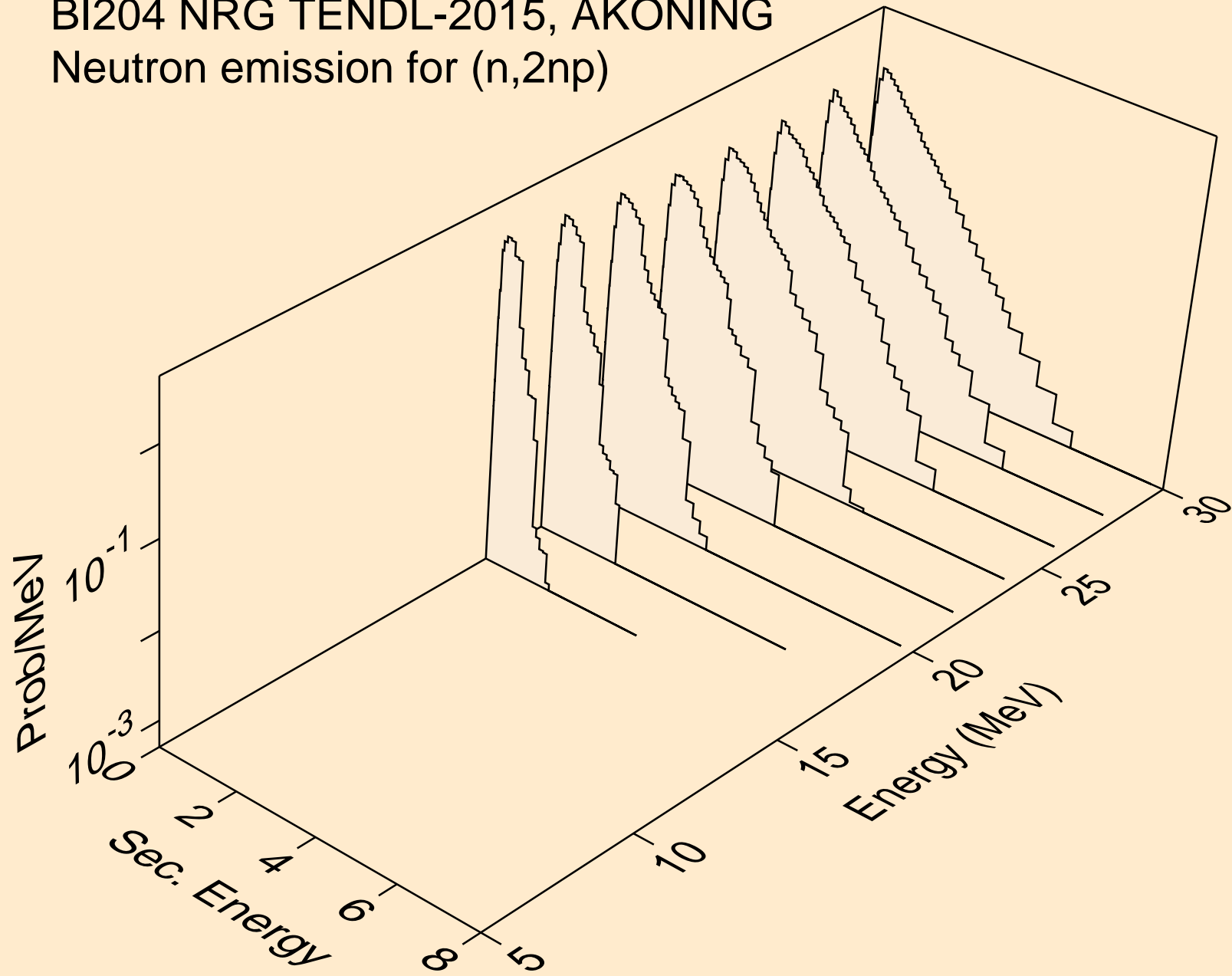
BI204 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



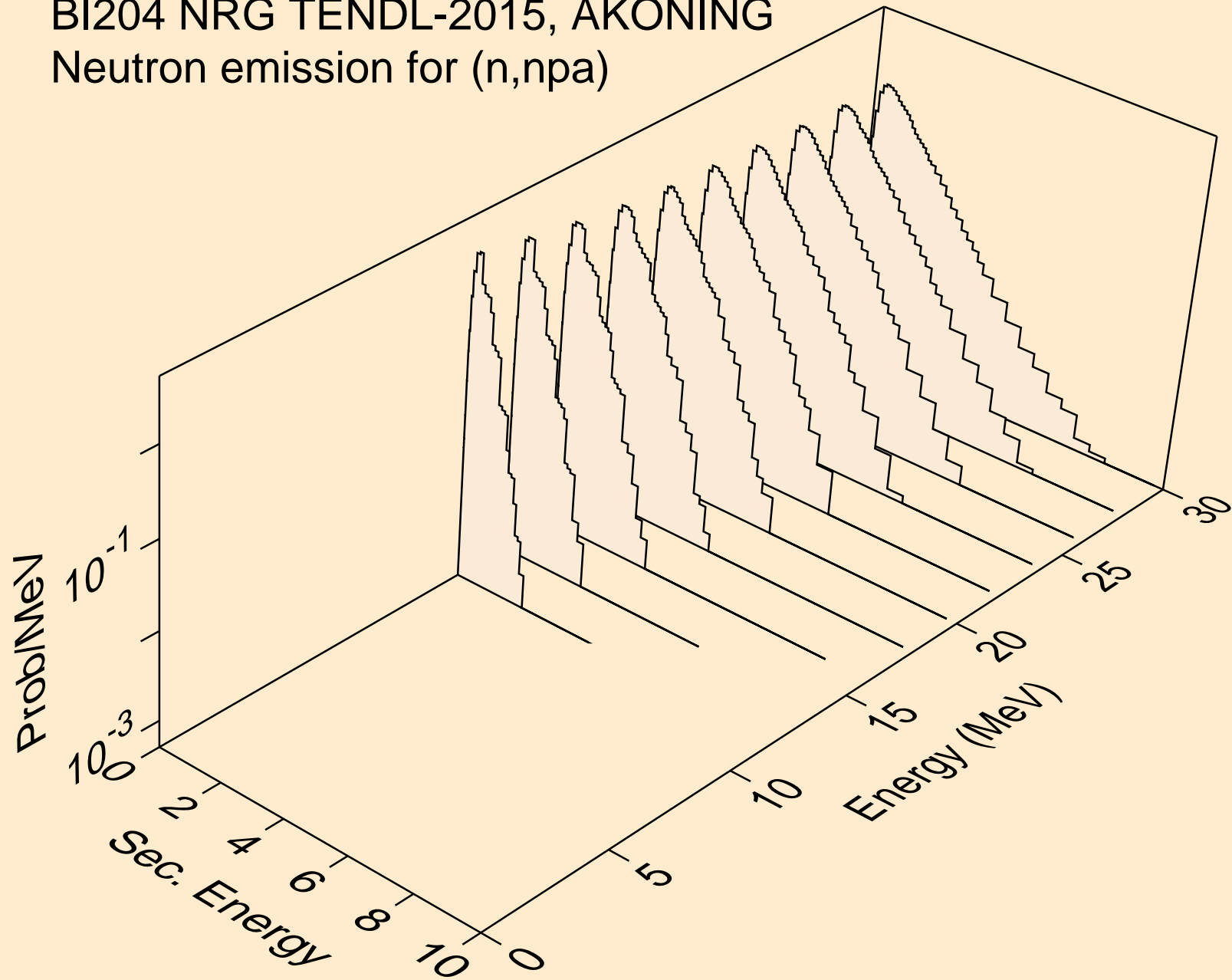
BI204 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



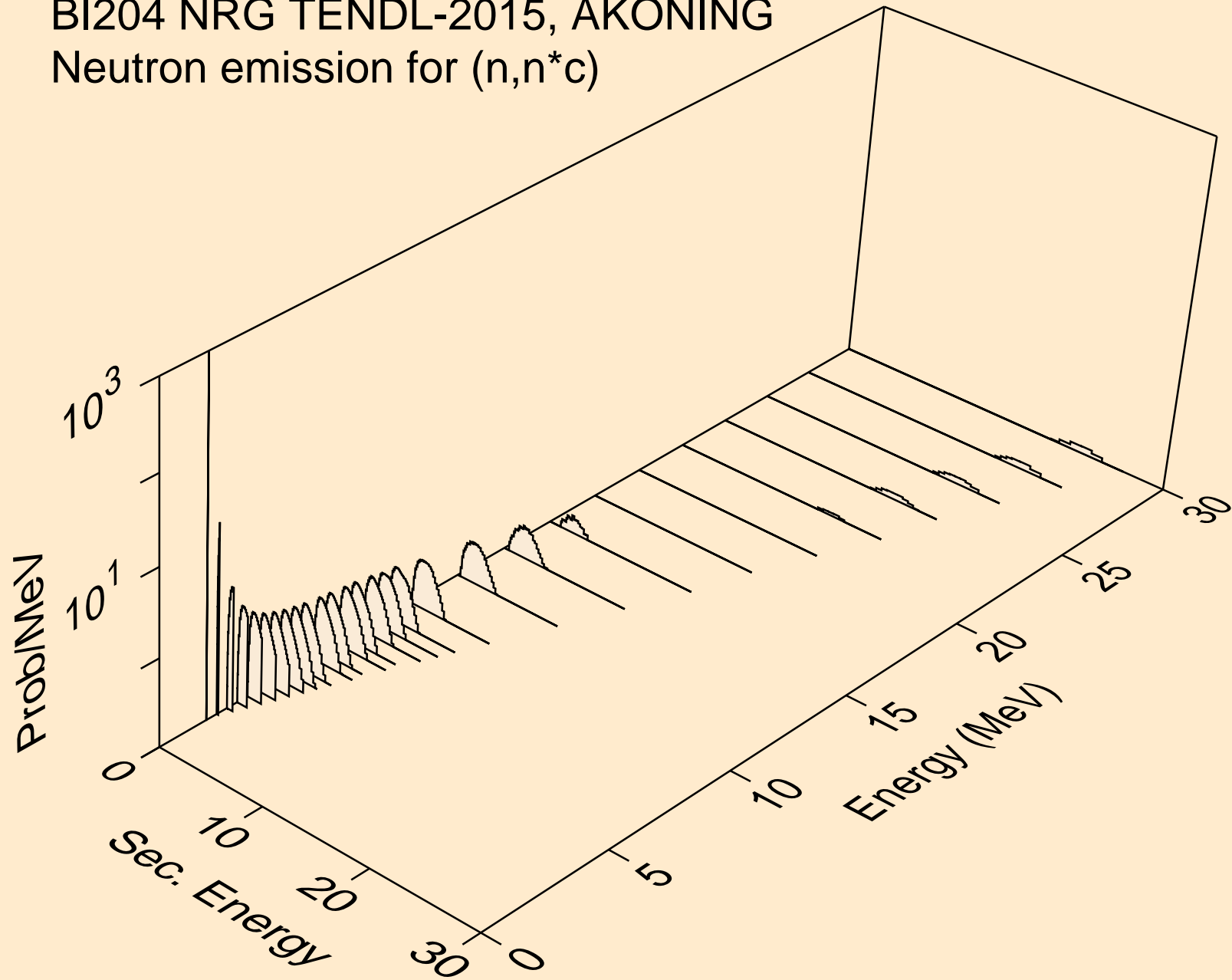
BI204 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



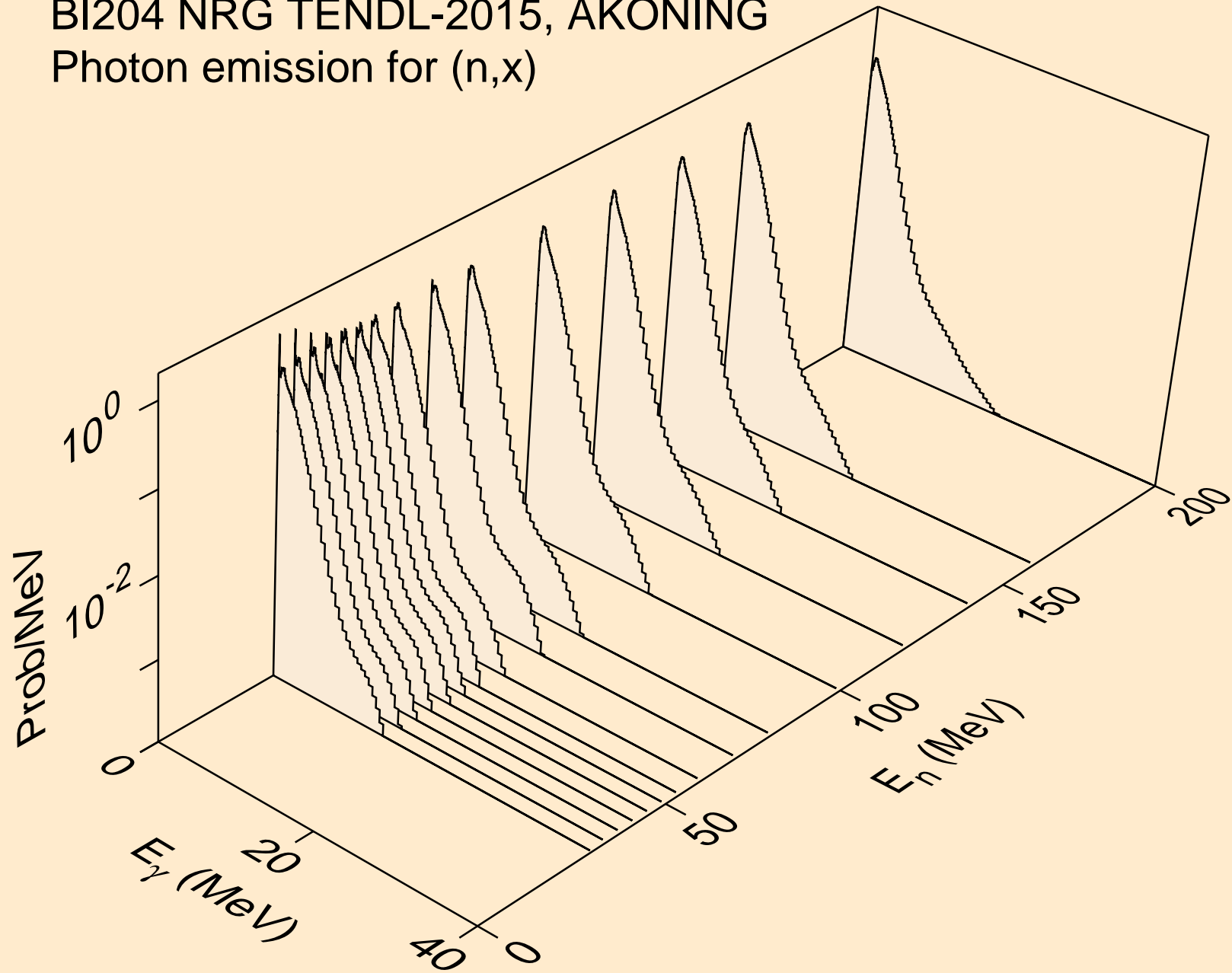
BI204 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



BI204 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)

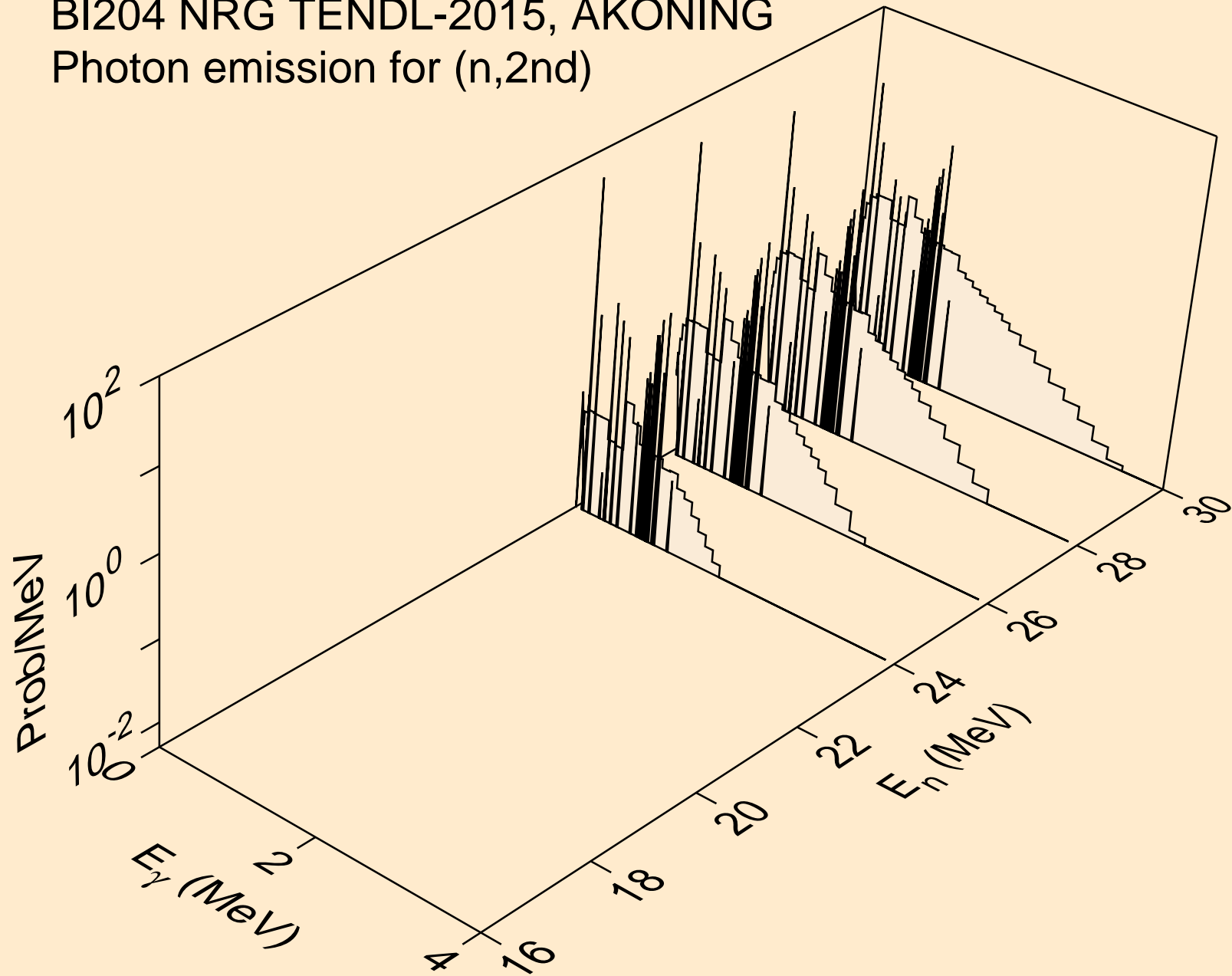


BI204 NRG TENDL-2015, AKONING  
Photon emission for (n,x)

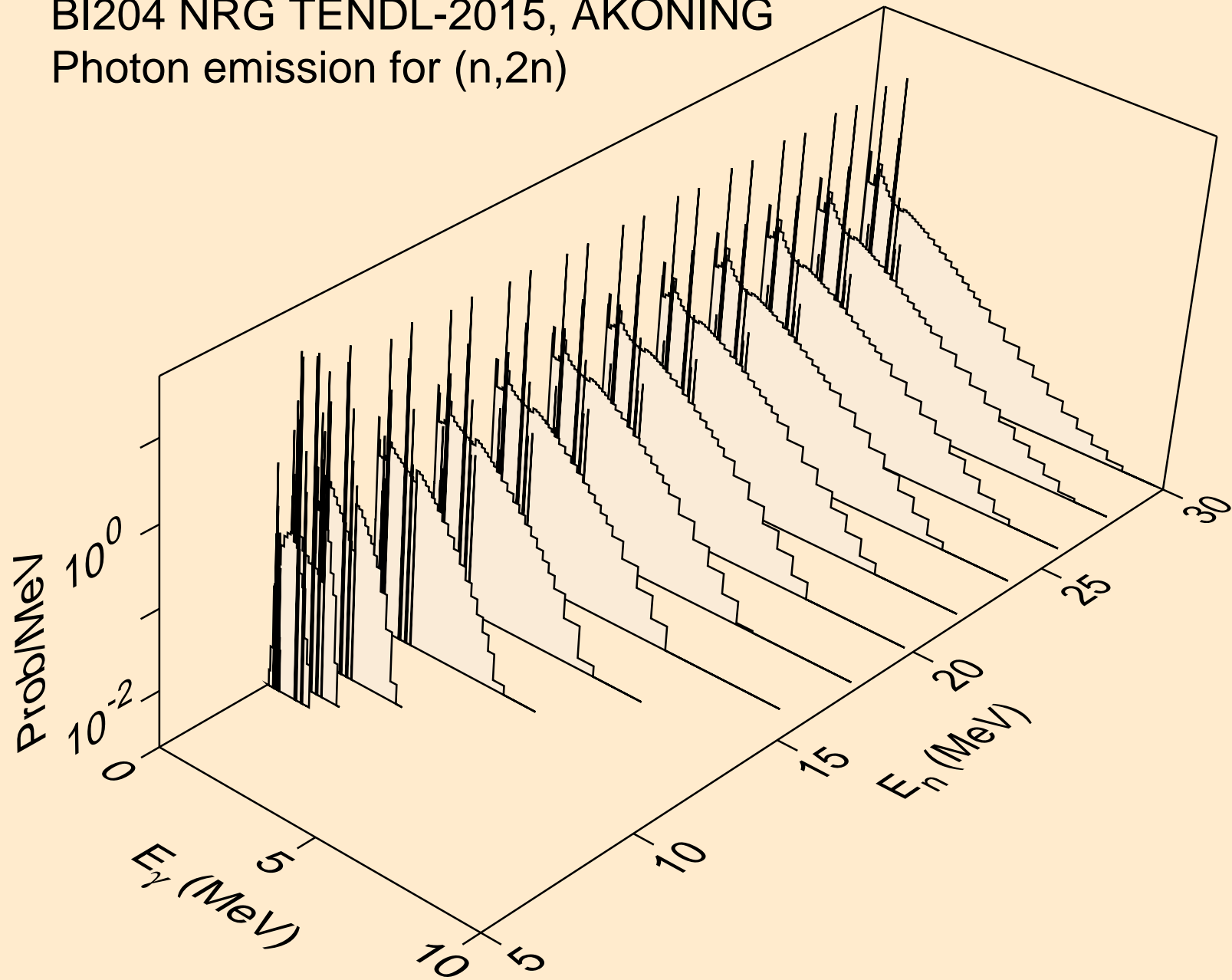




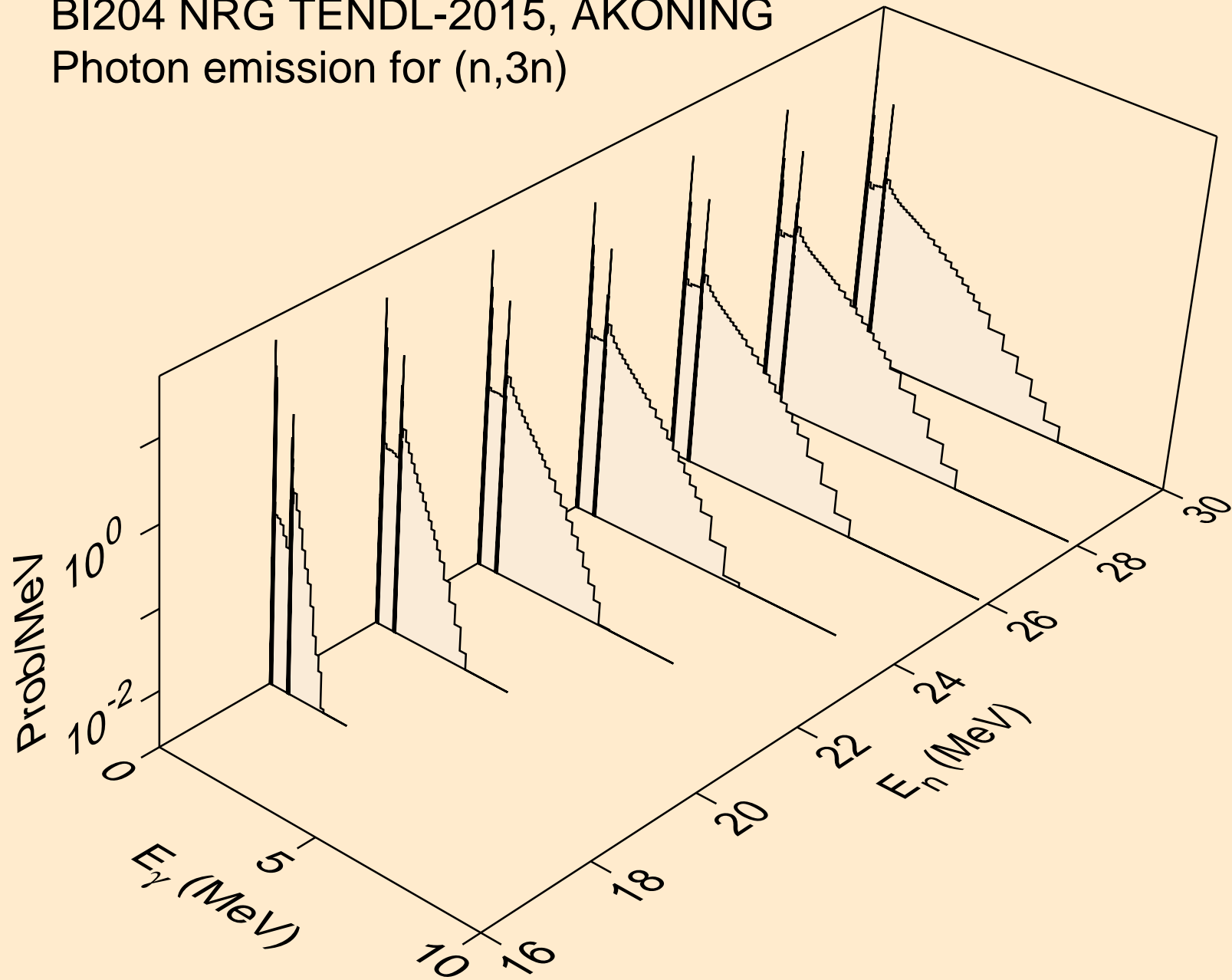
BI204 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



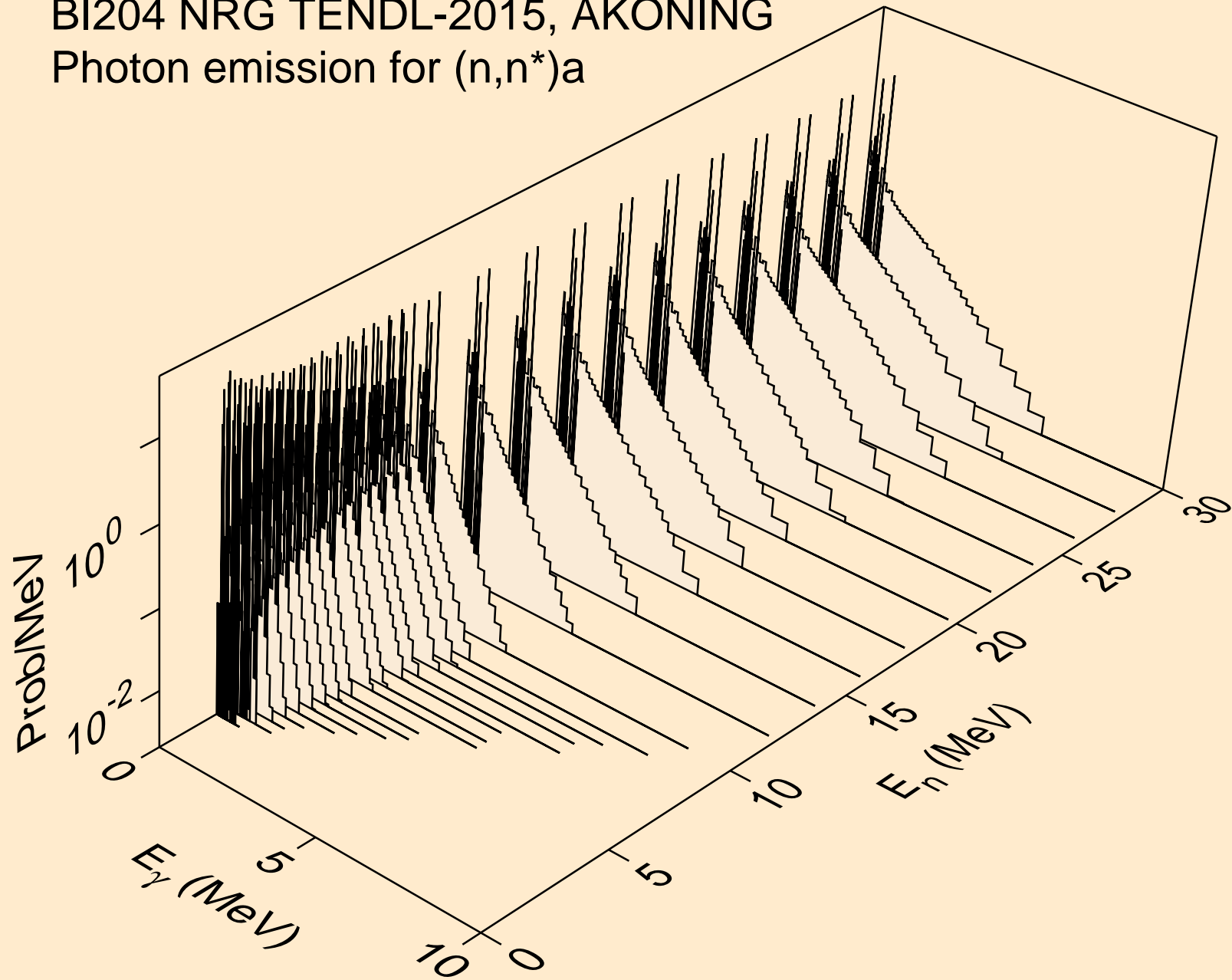
BI204 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



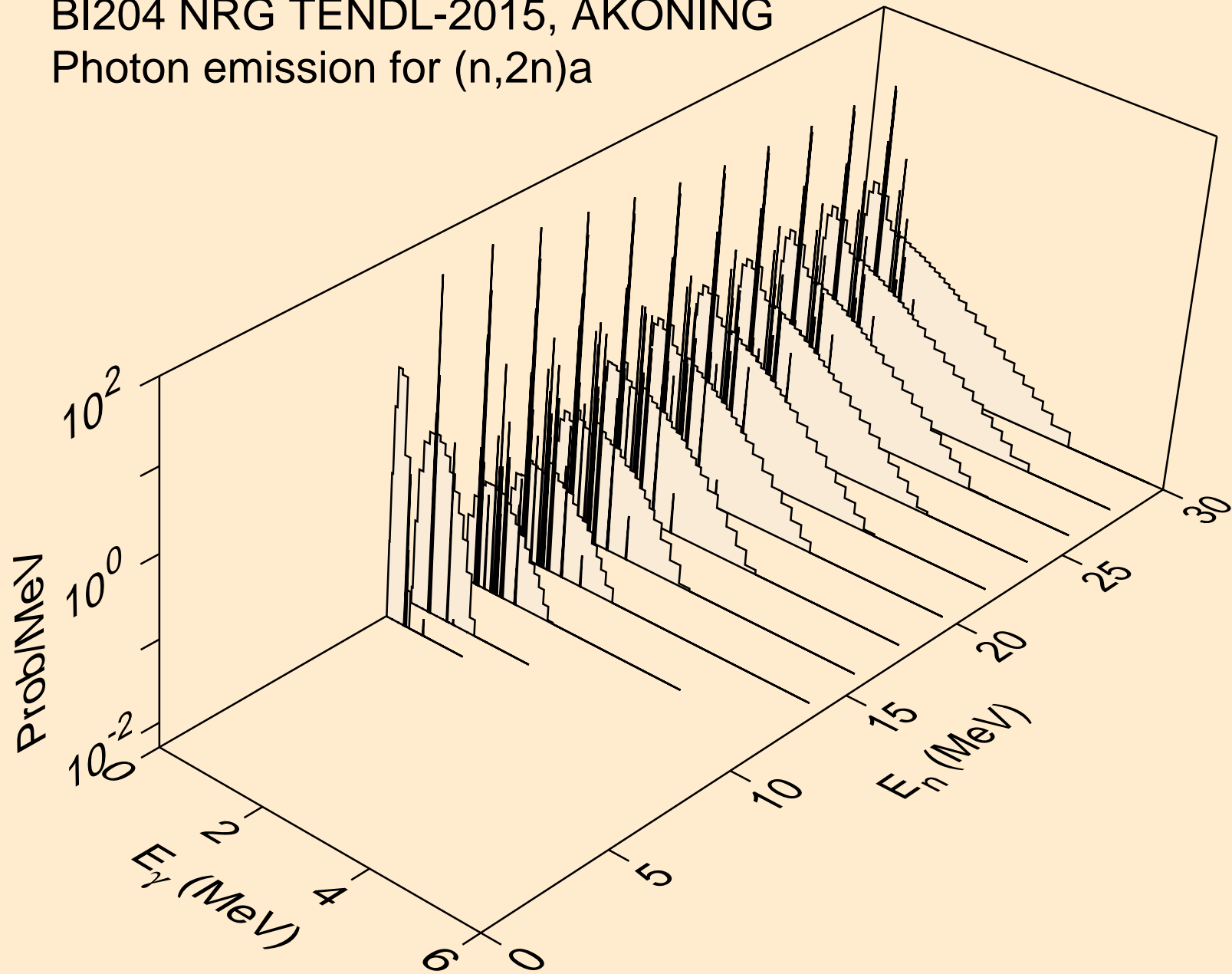
BI204 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



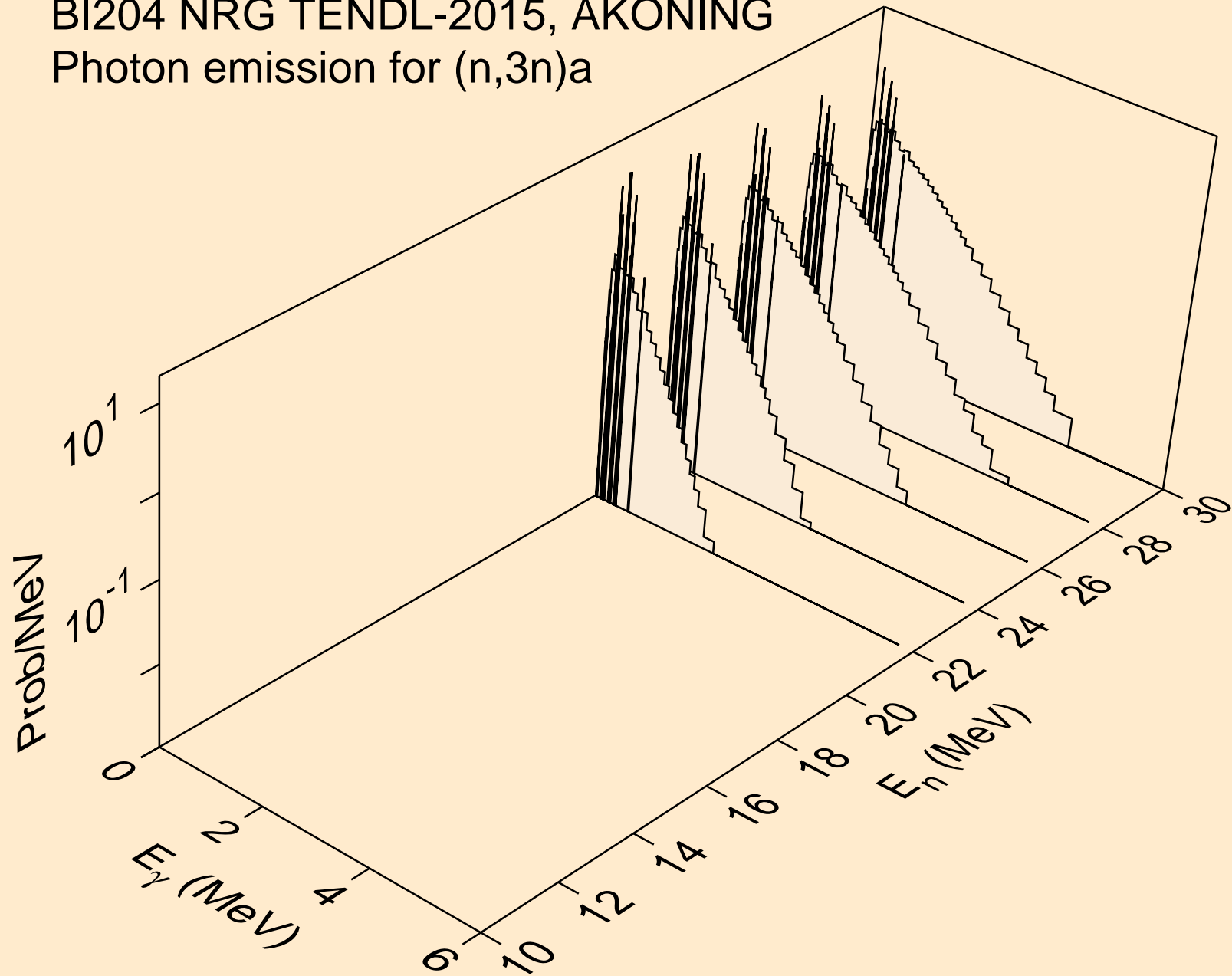
BI204 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



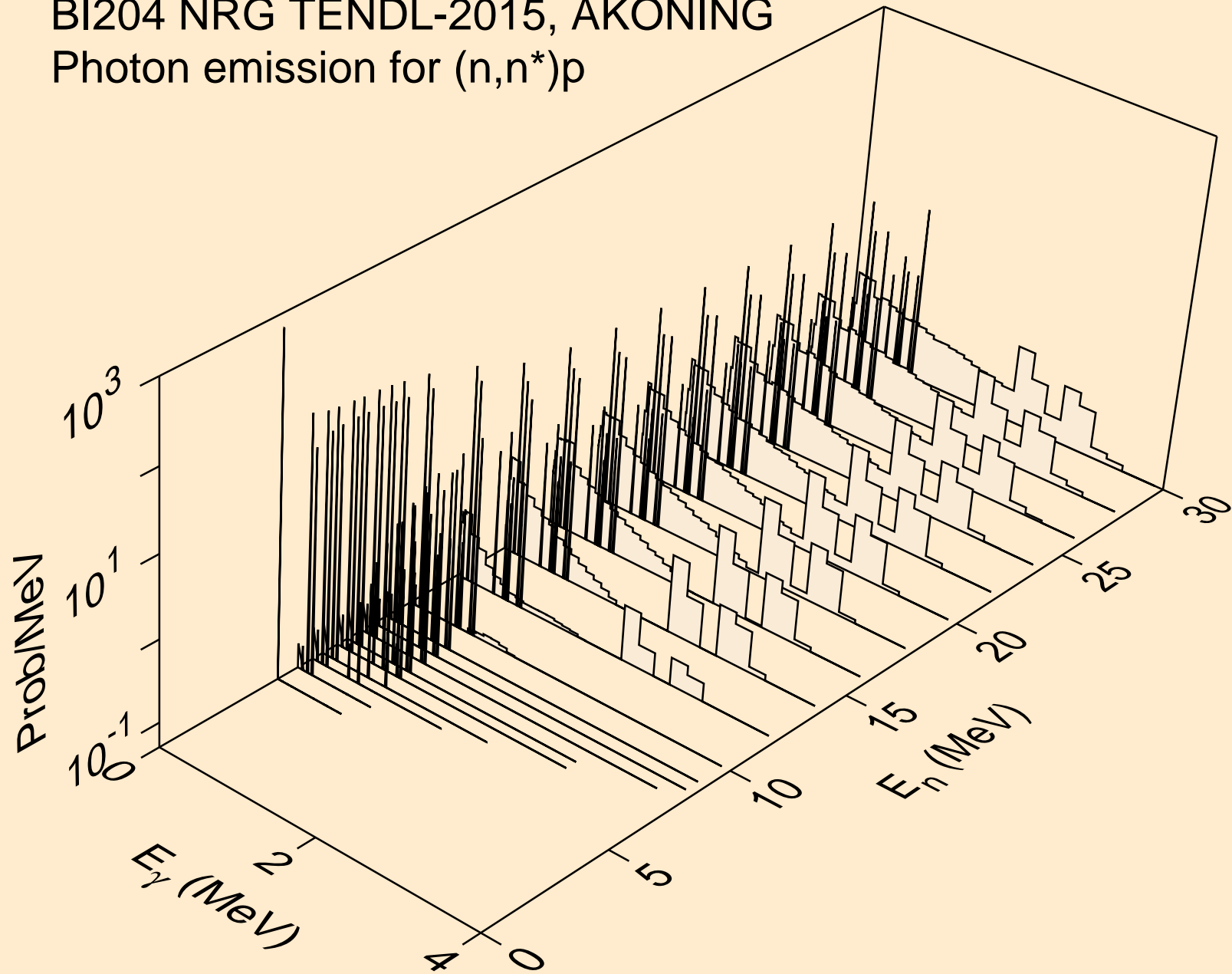
BI204 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



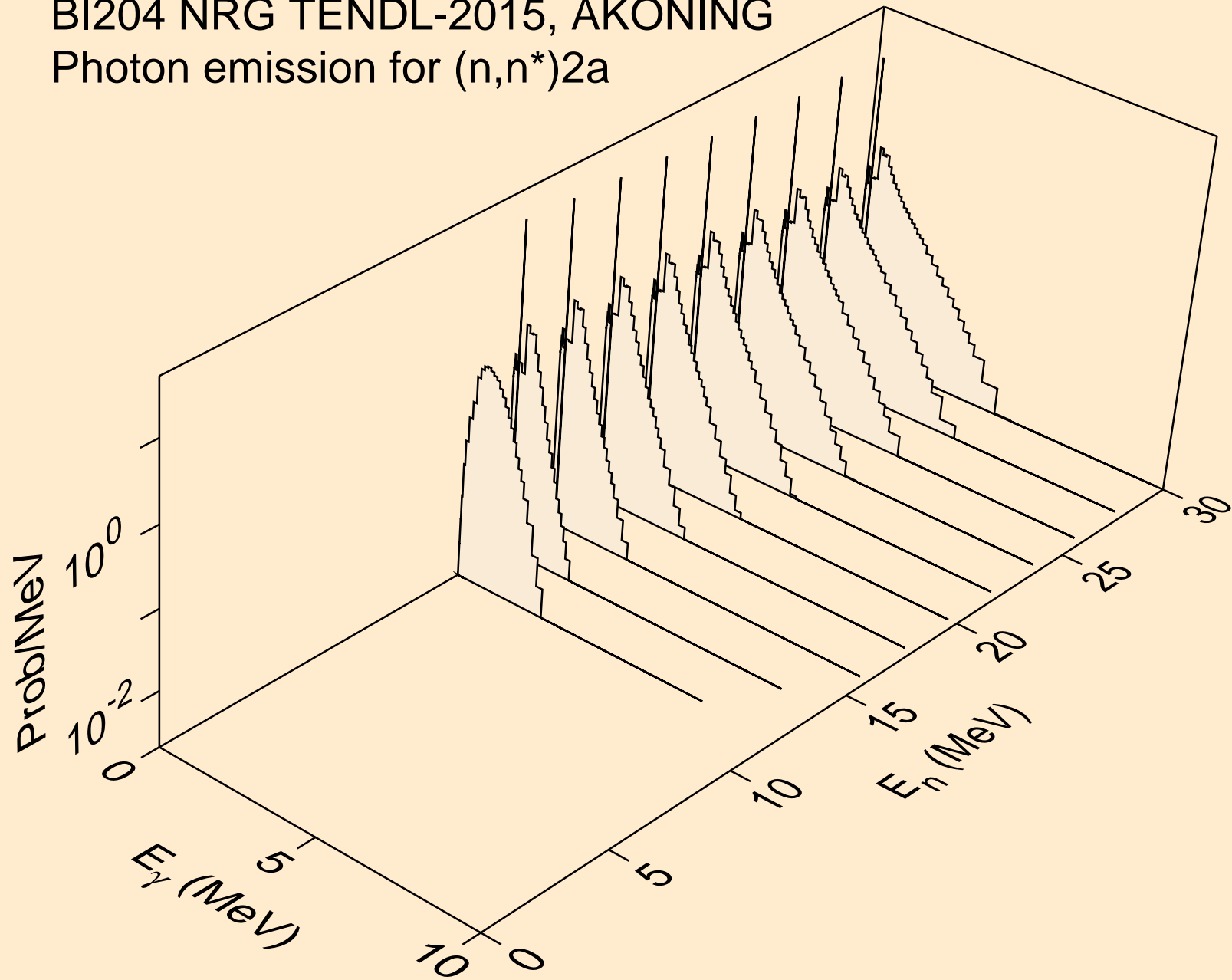
BI204 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



BI204 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p

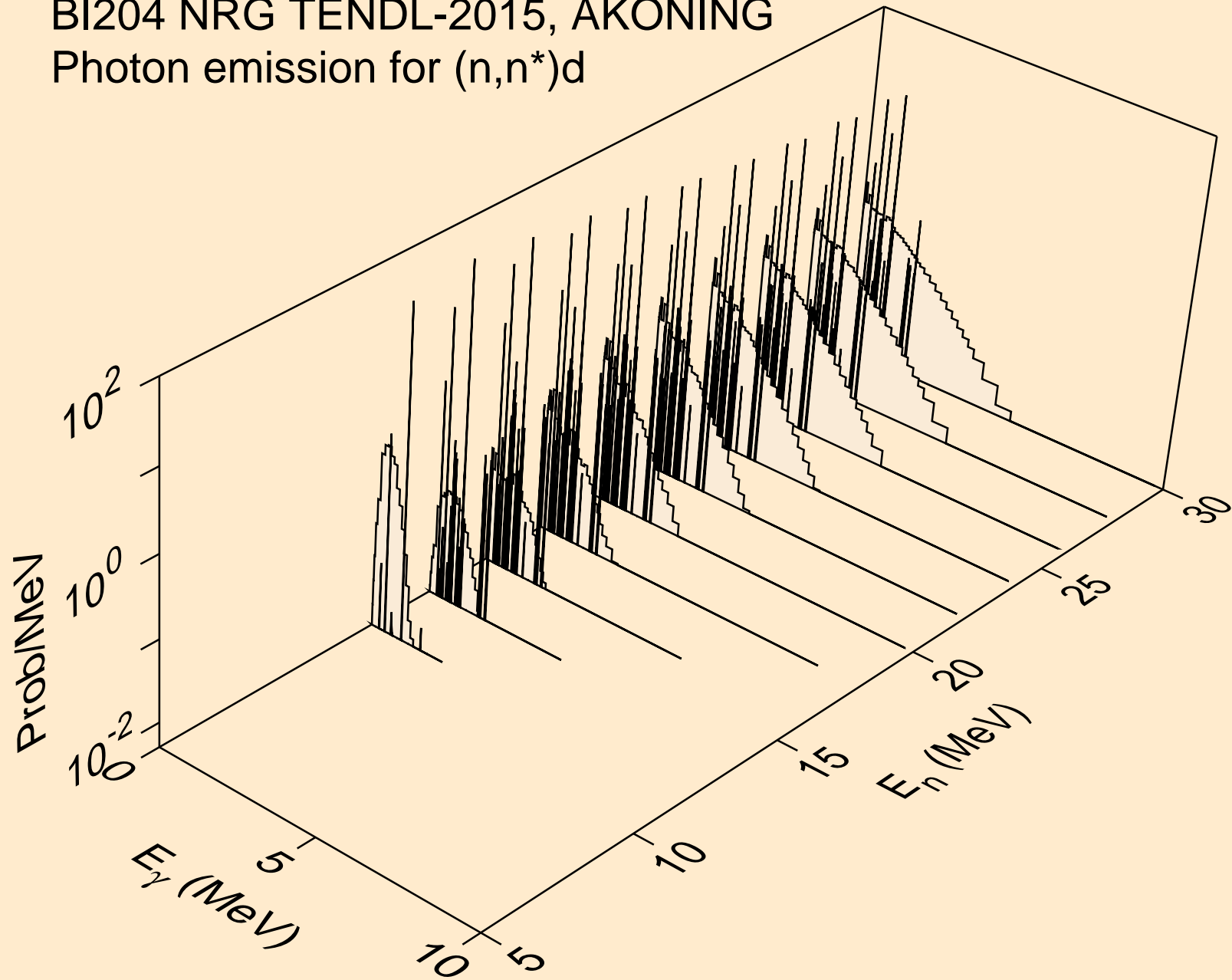


BI204 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a

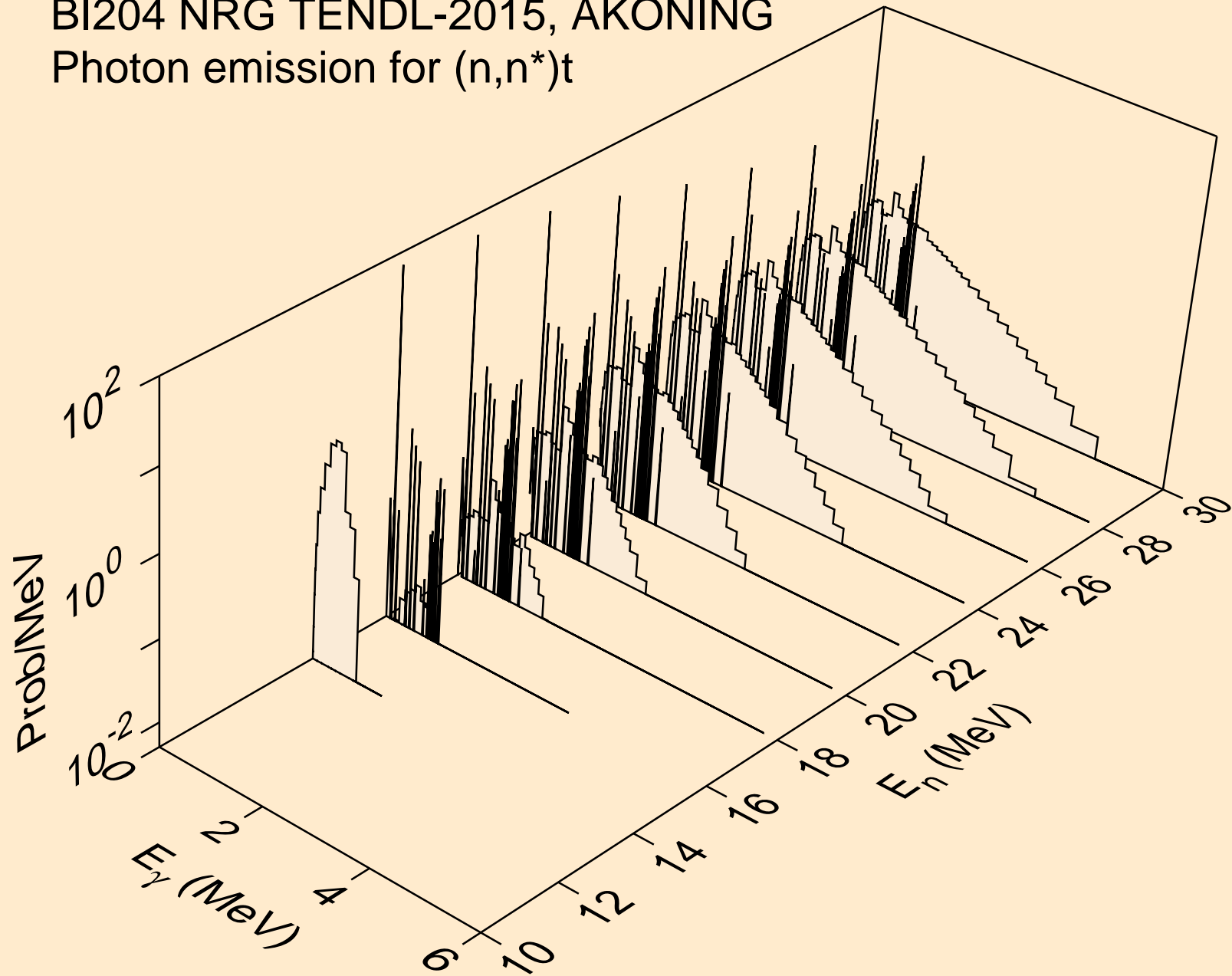




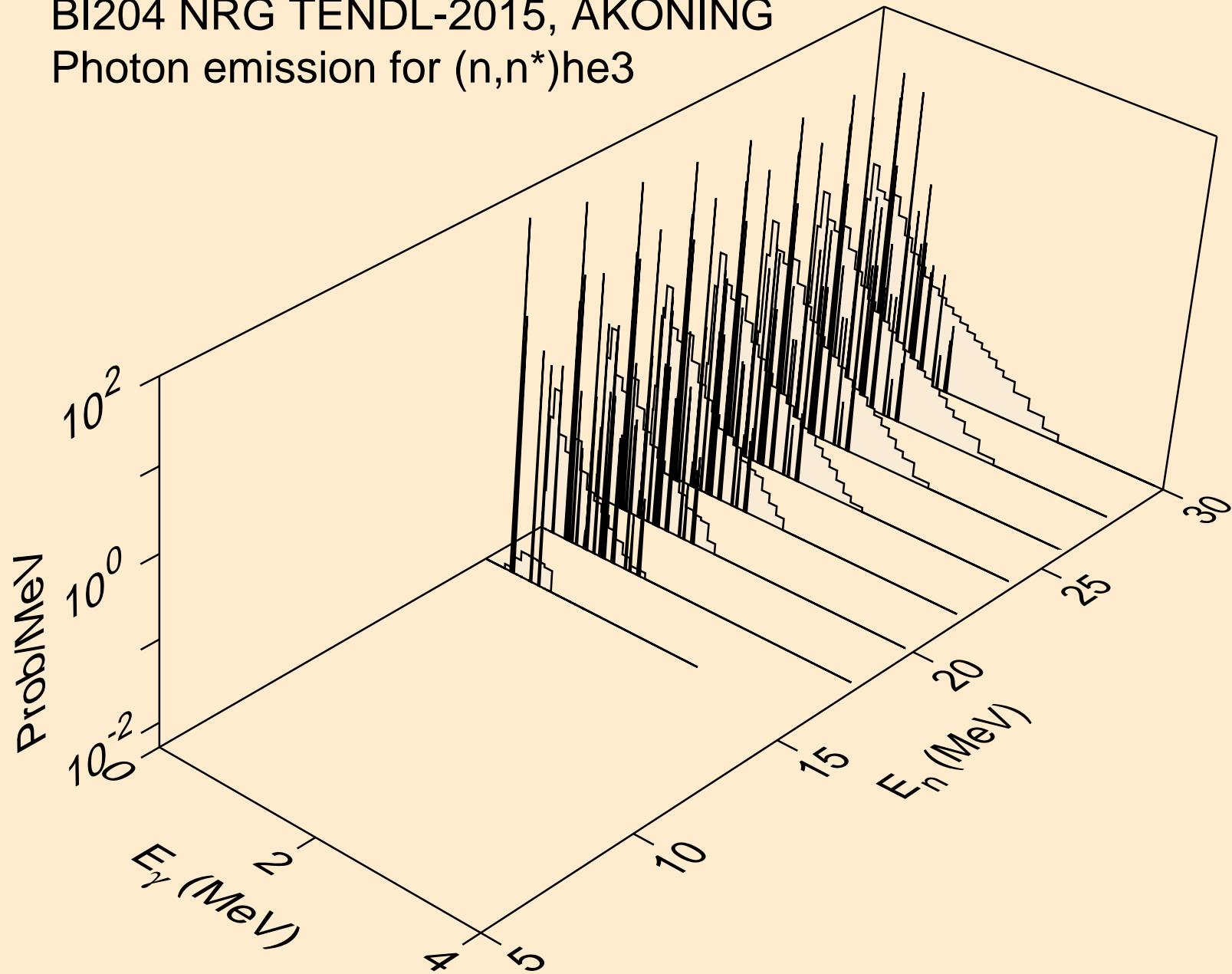
BI204 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d



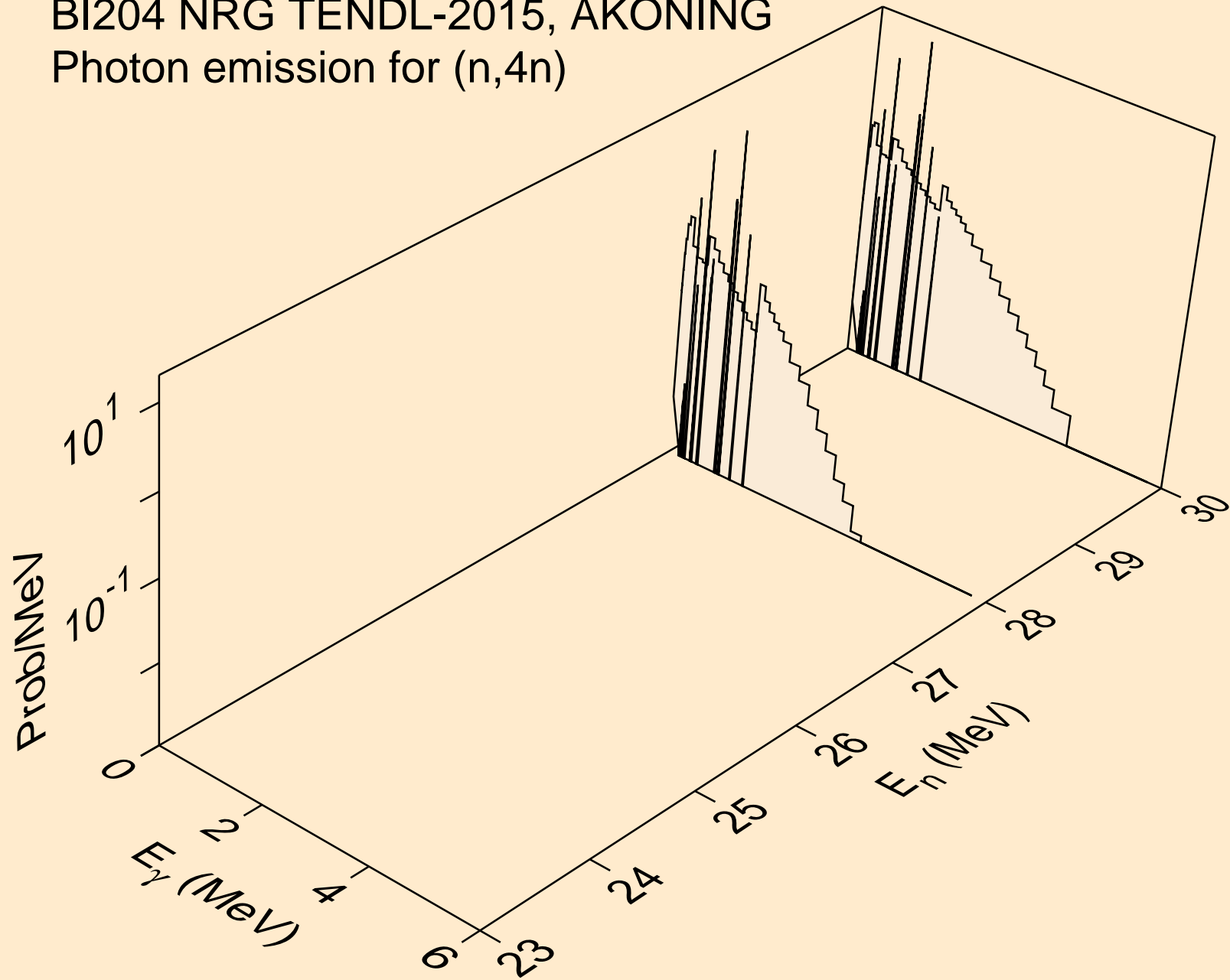
BI204 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



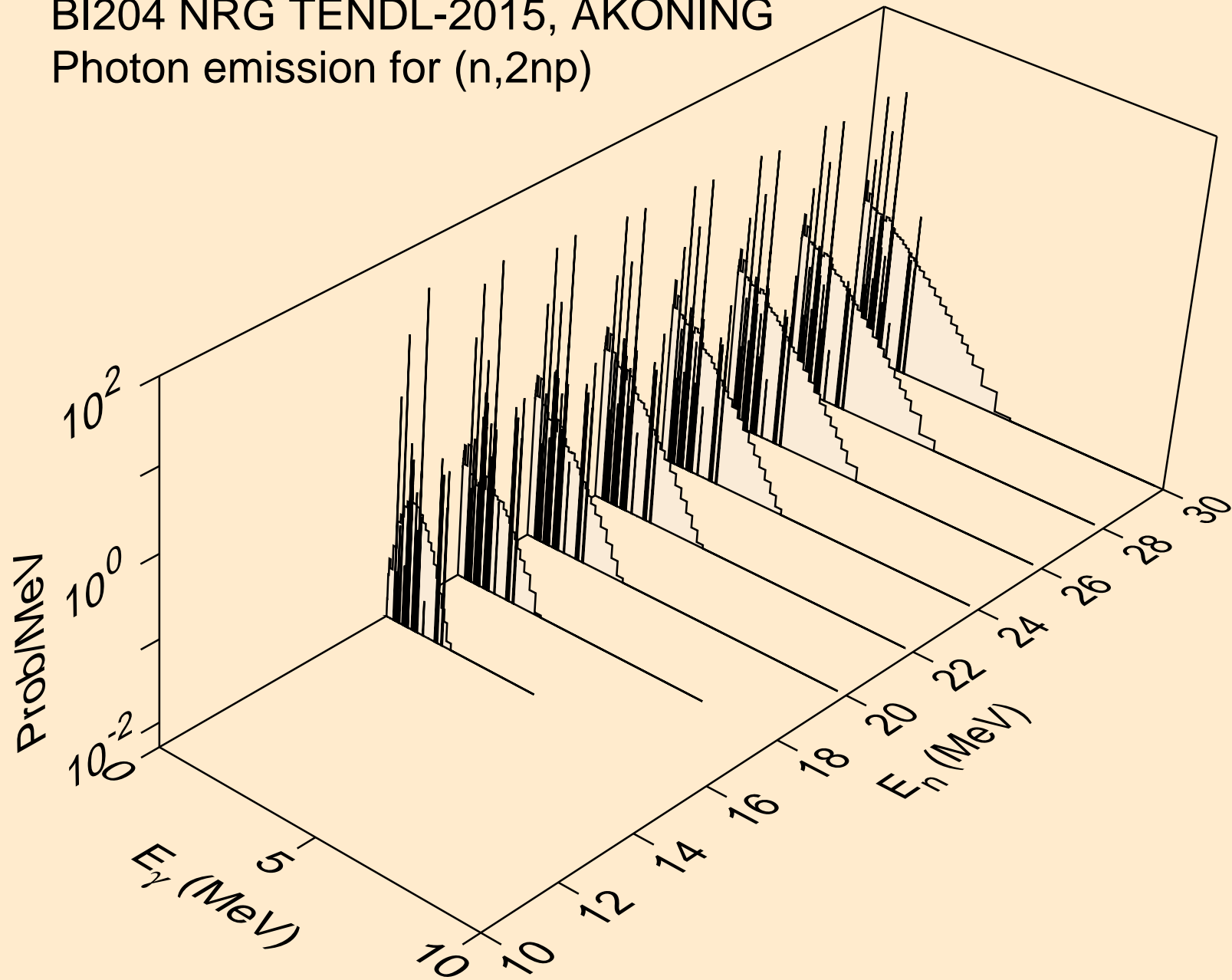
BI204 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



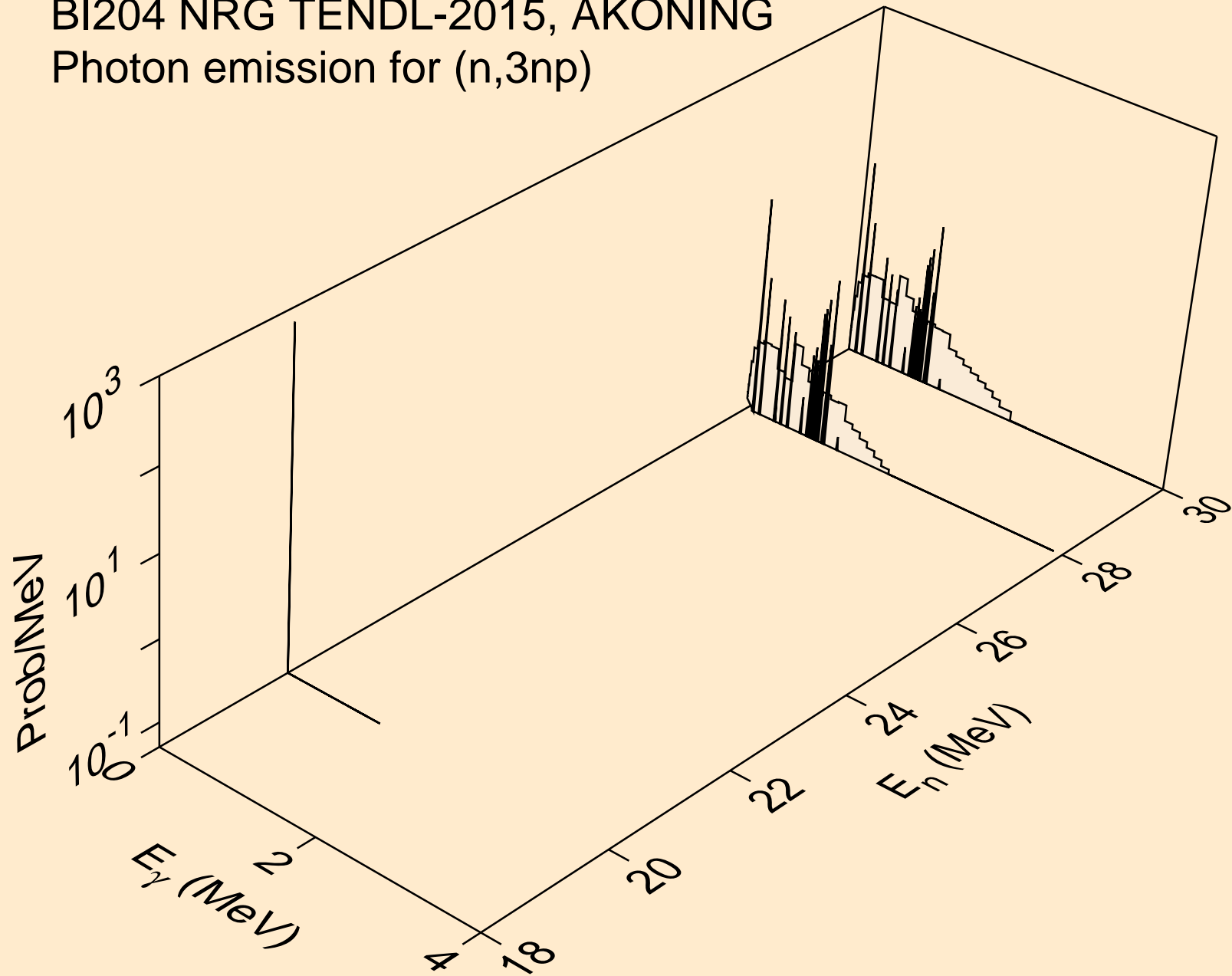
BI204 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



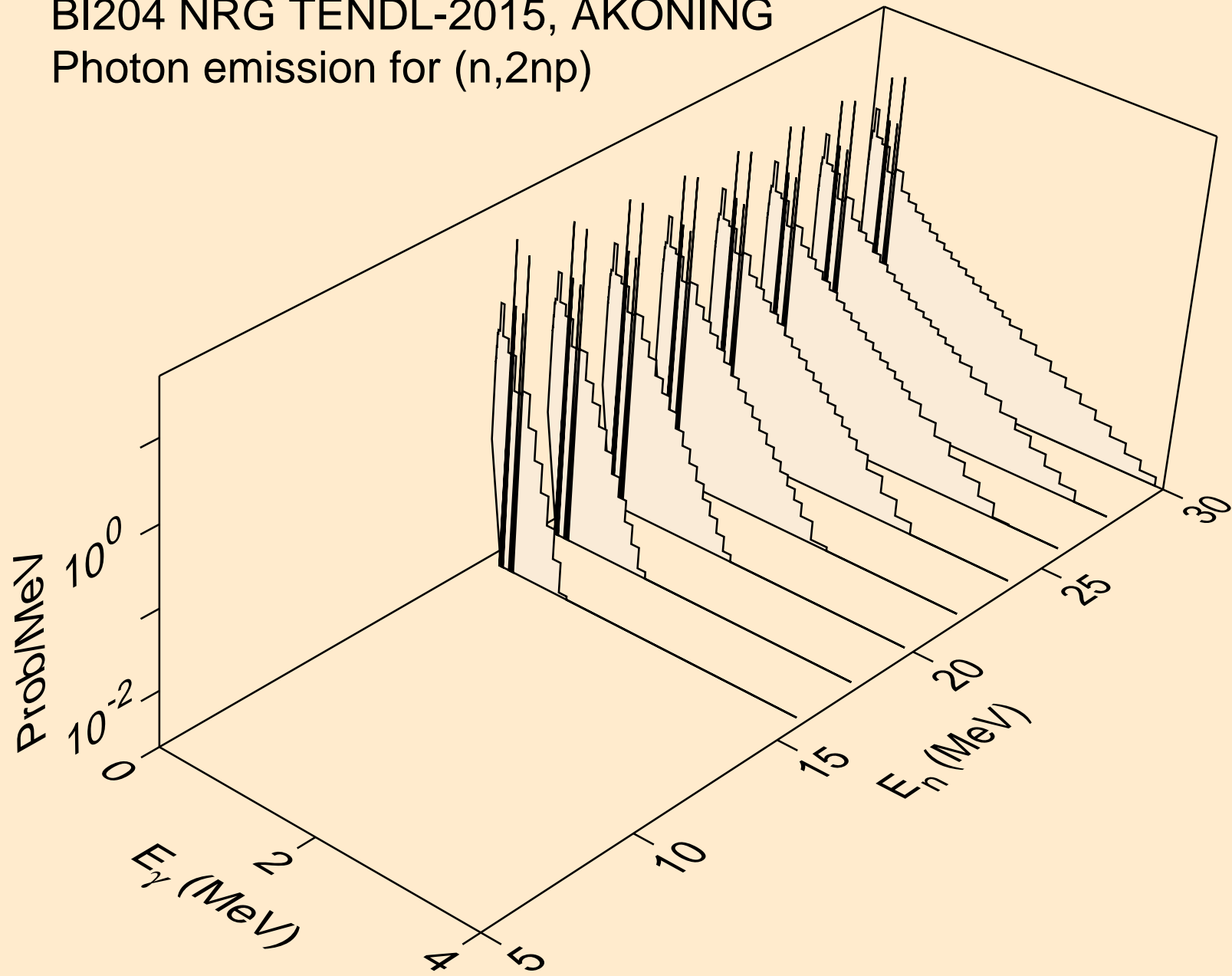
BI204 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



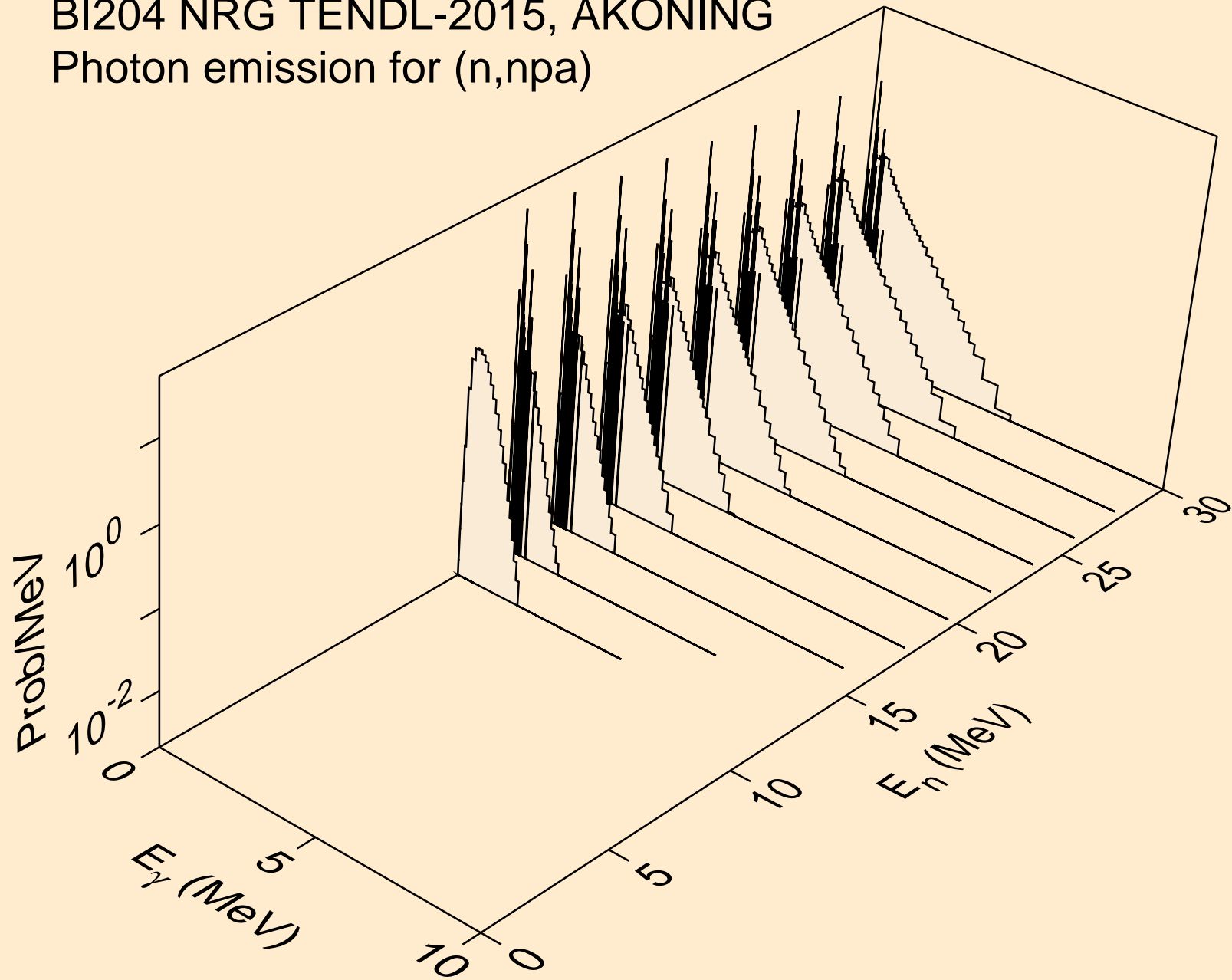
BI204 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



BI204 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)

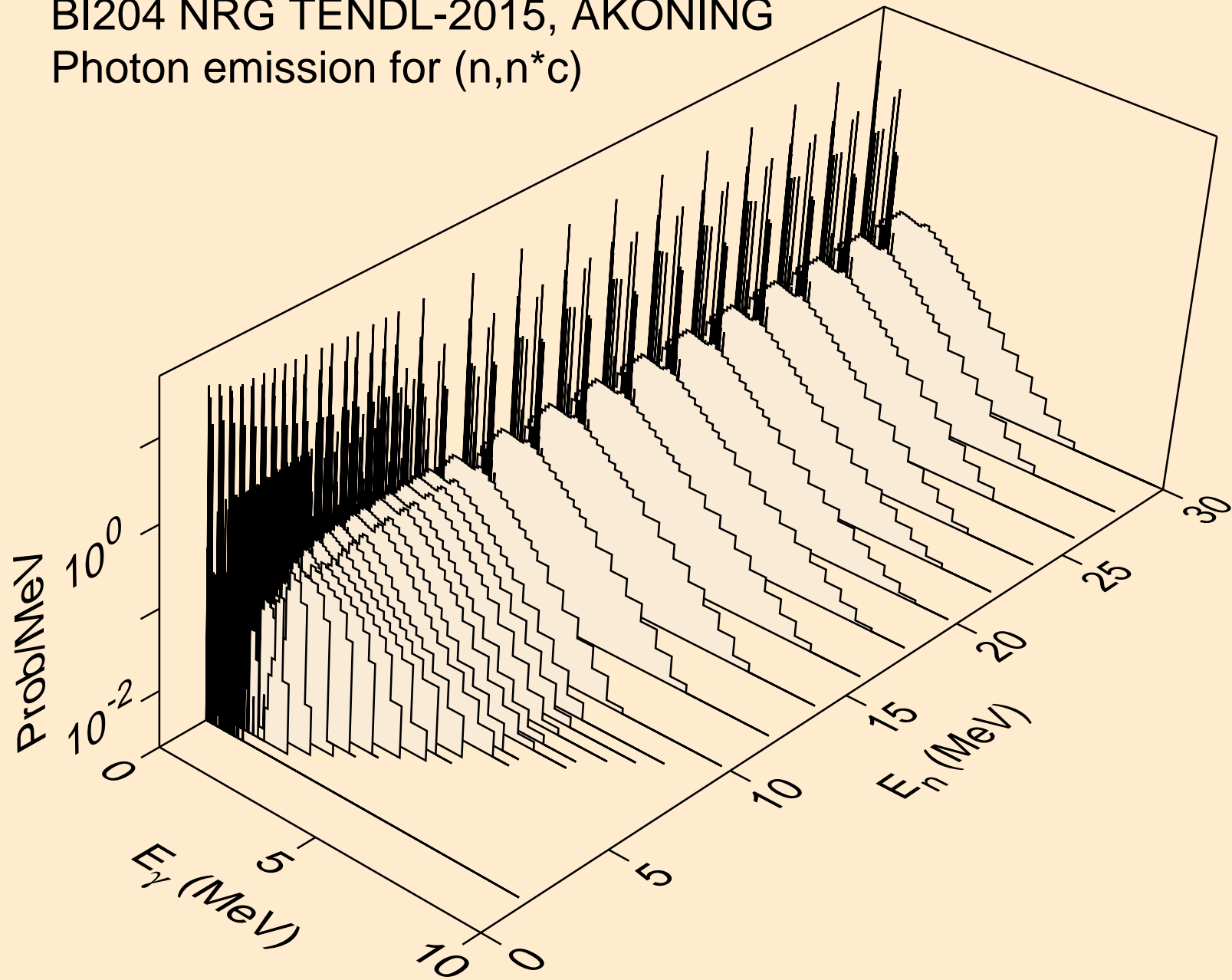


BI204 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)

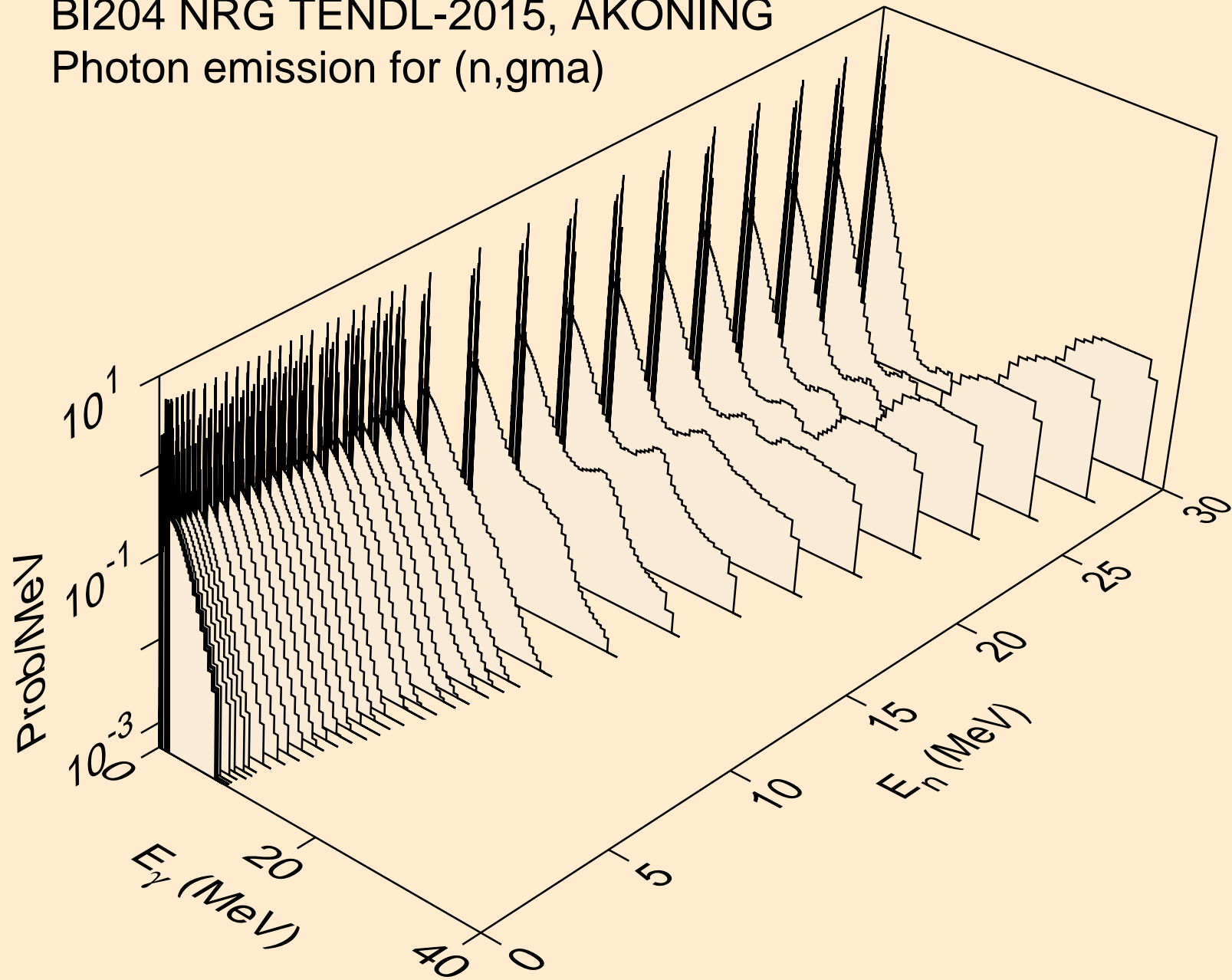




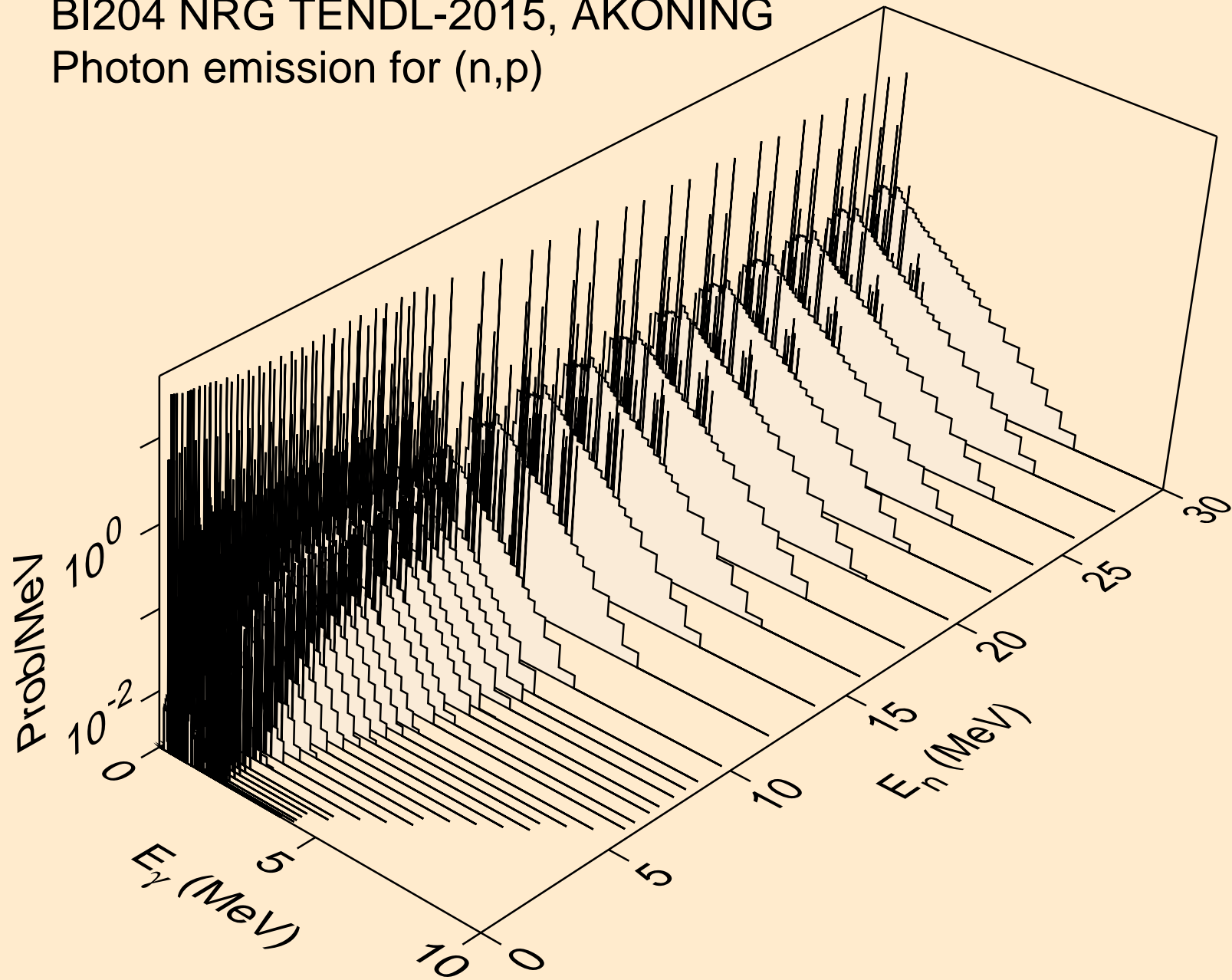
BI204 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



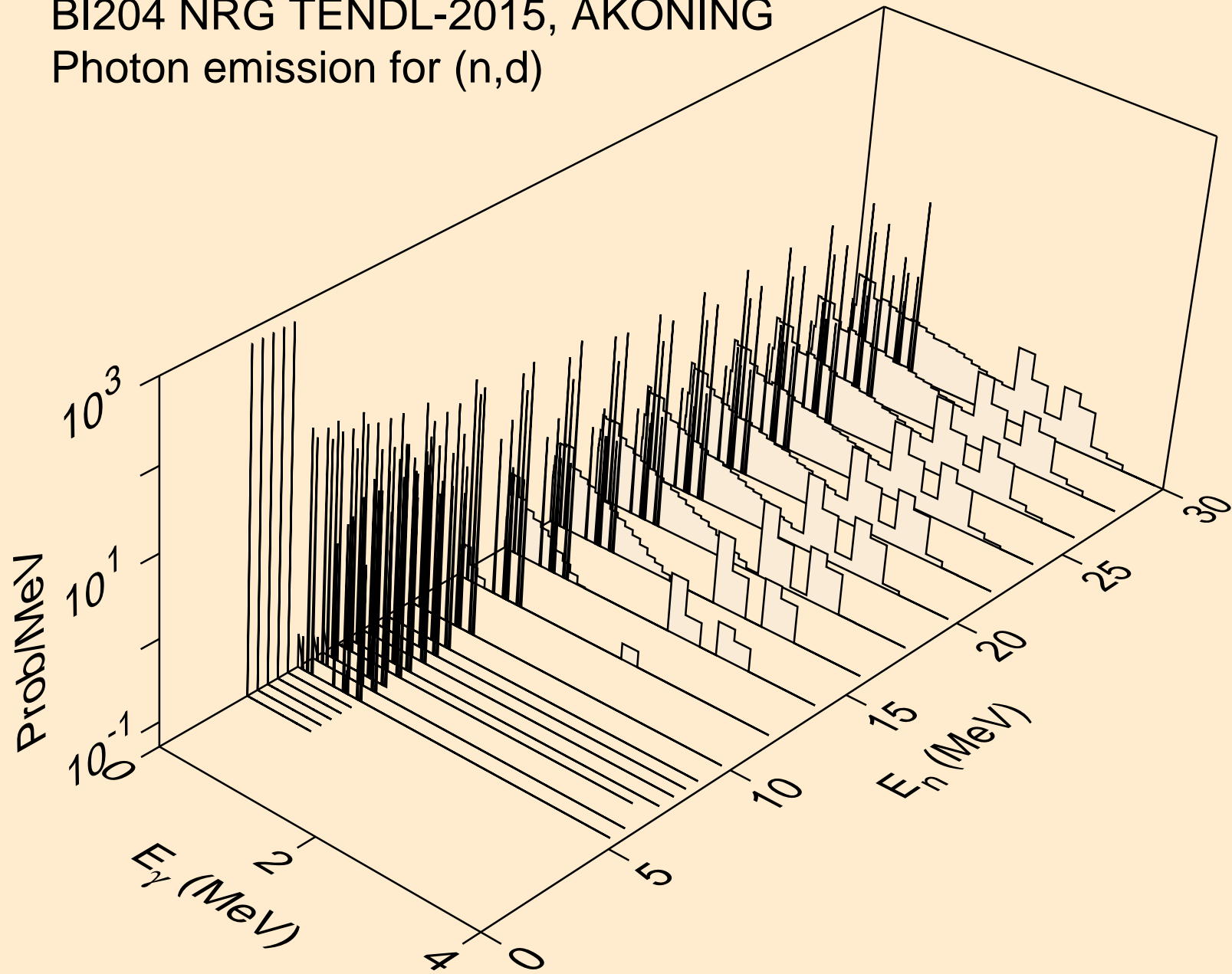
BI204 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



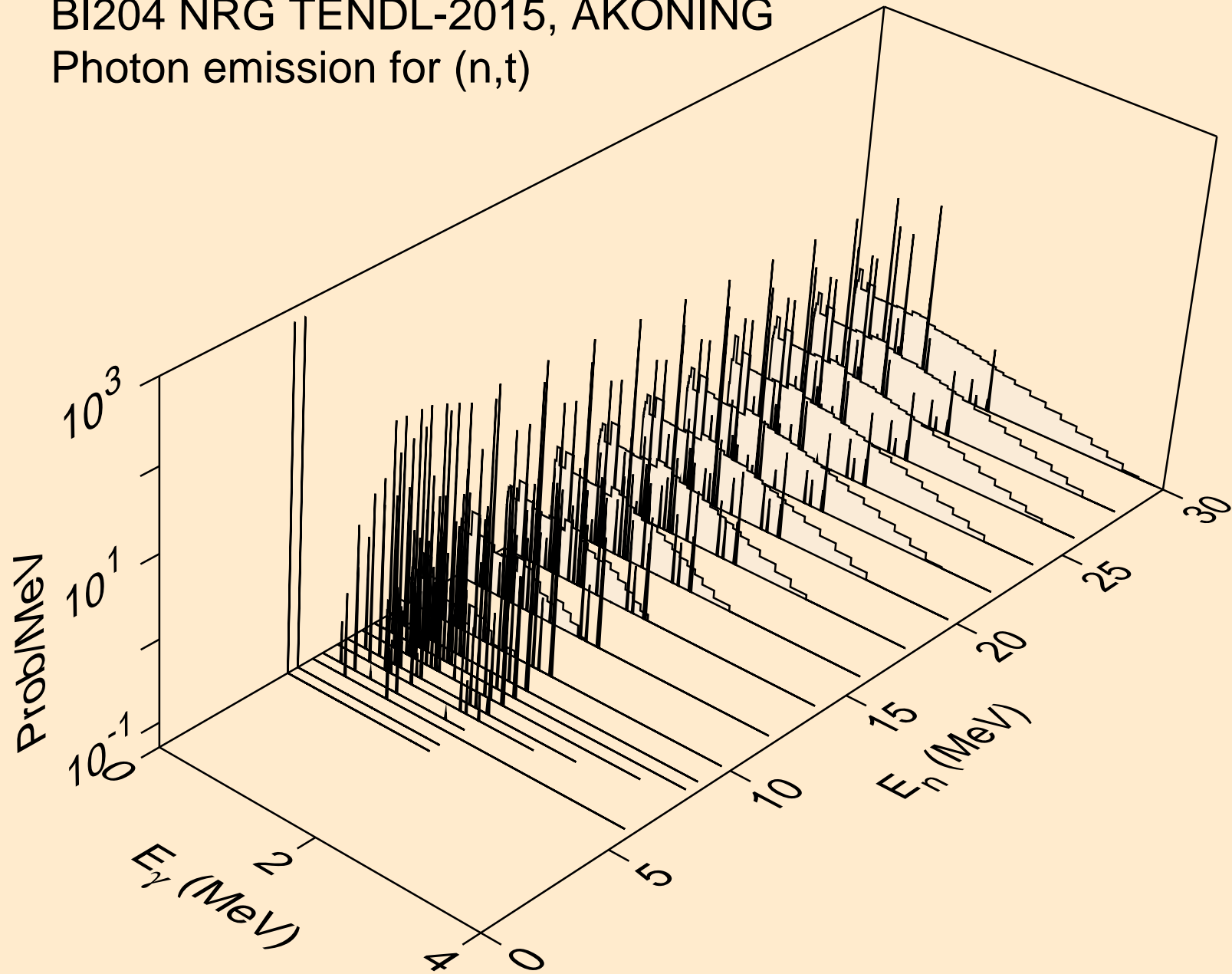
BI204 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



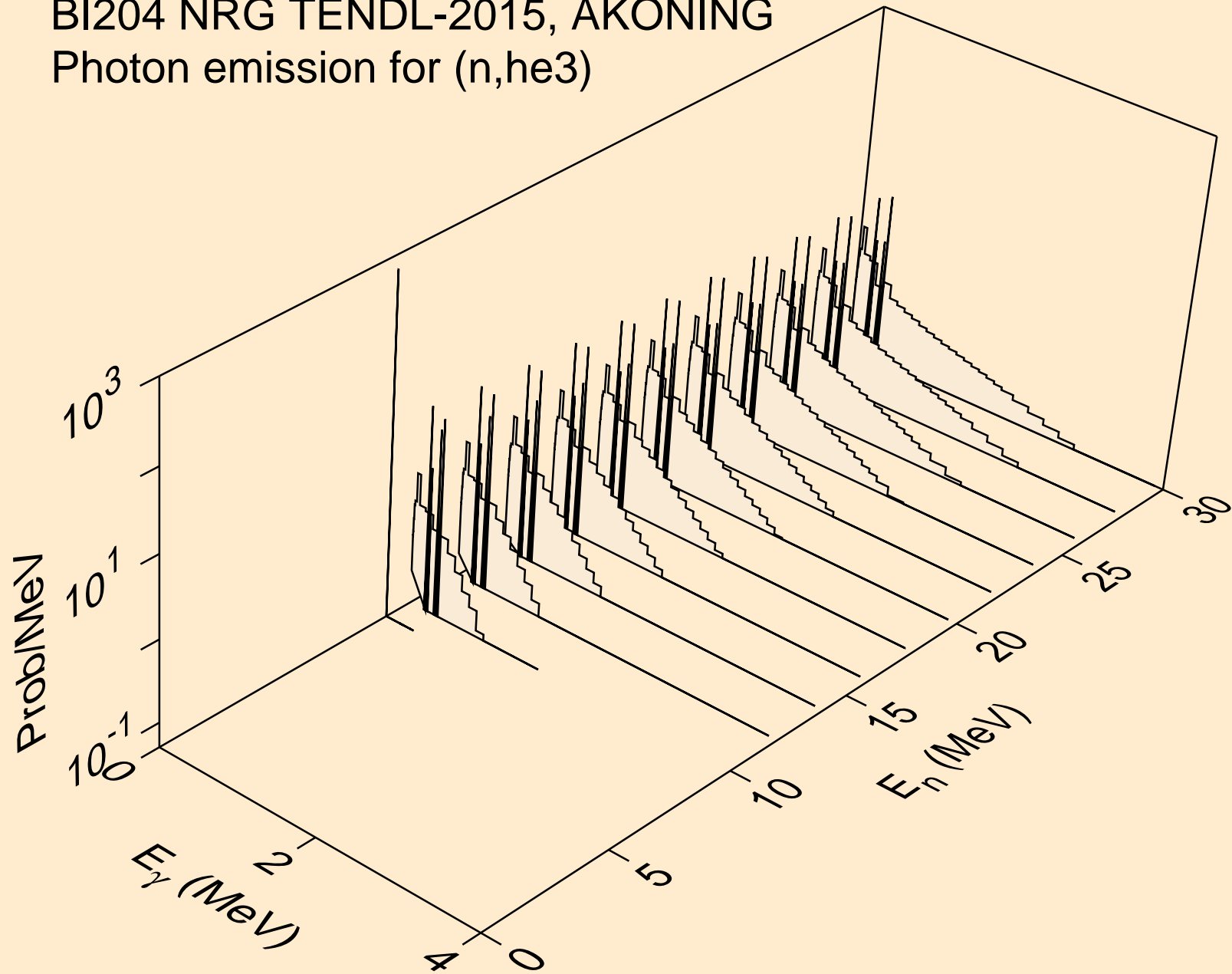
BI204 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



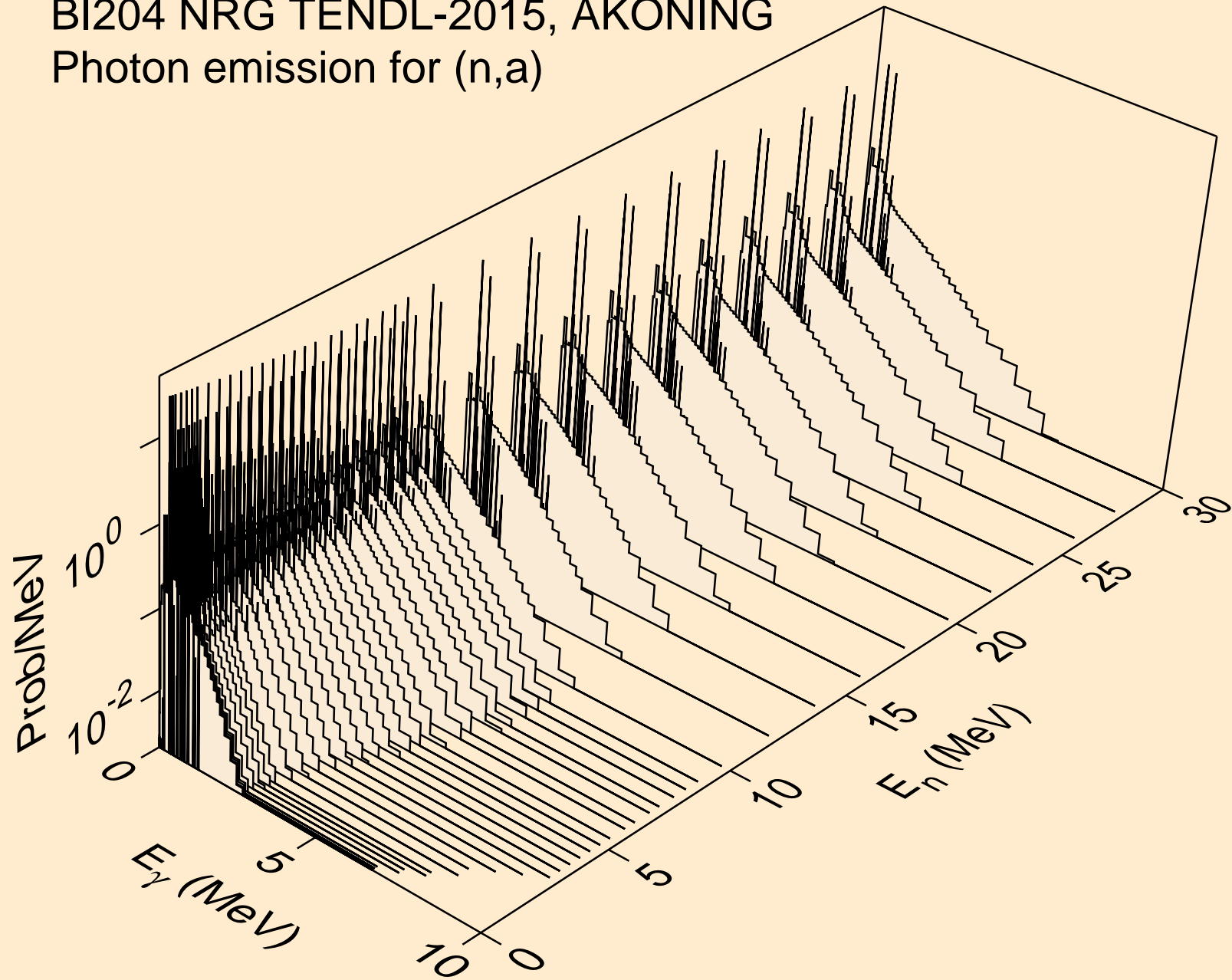
BI204 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



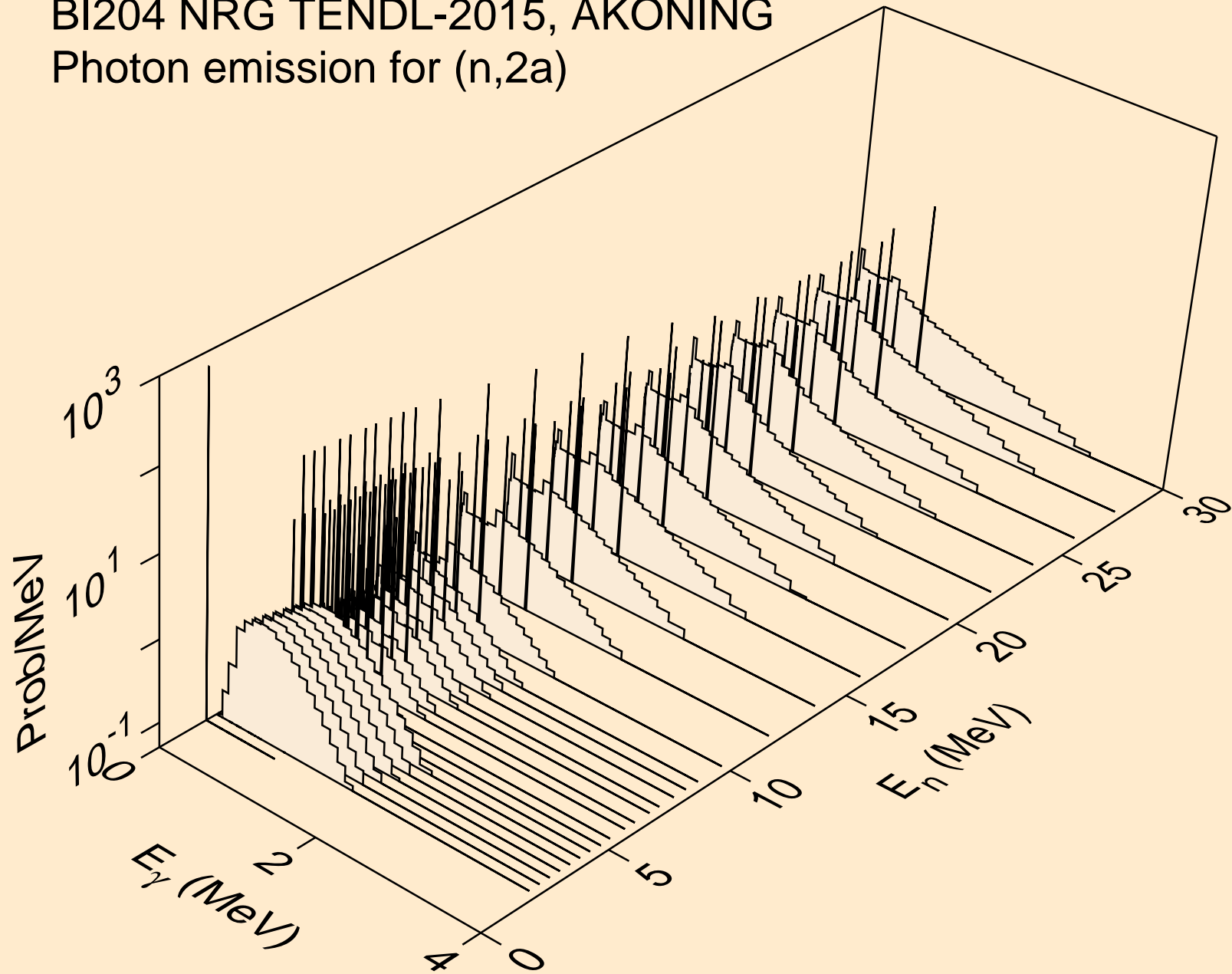
BI204 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



BI204 NRG TENDL-2015, AKONING  
Photon emission for (n,a)

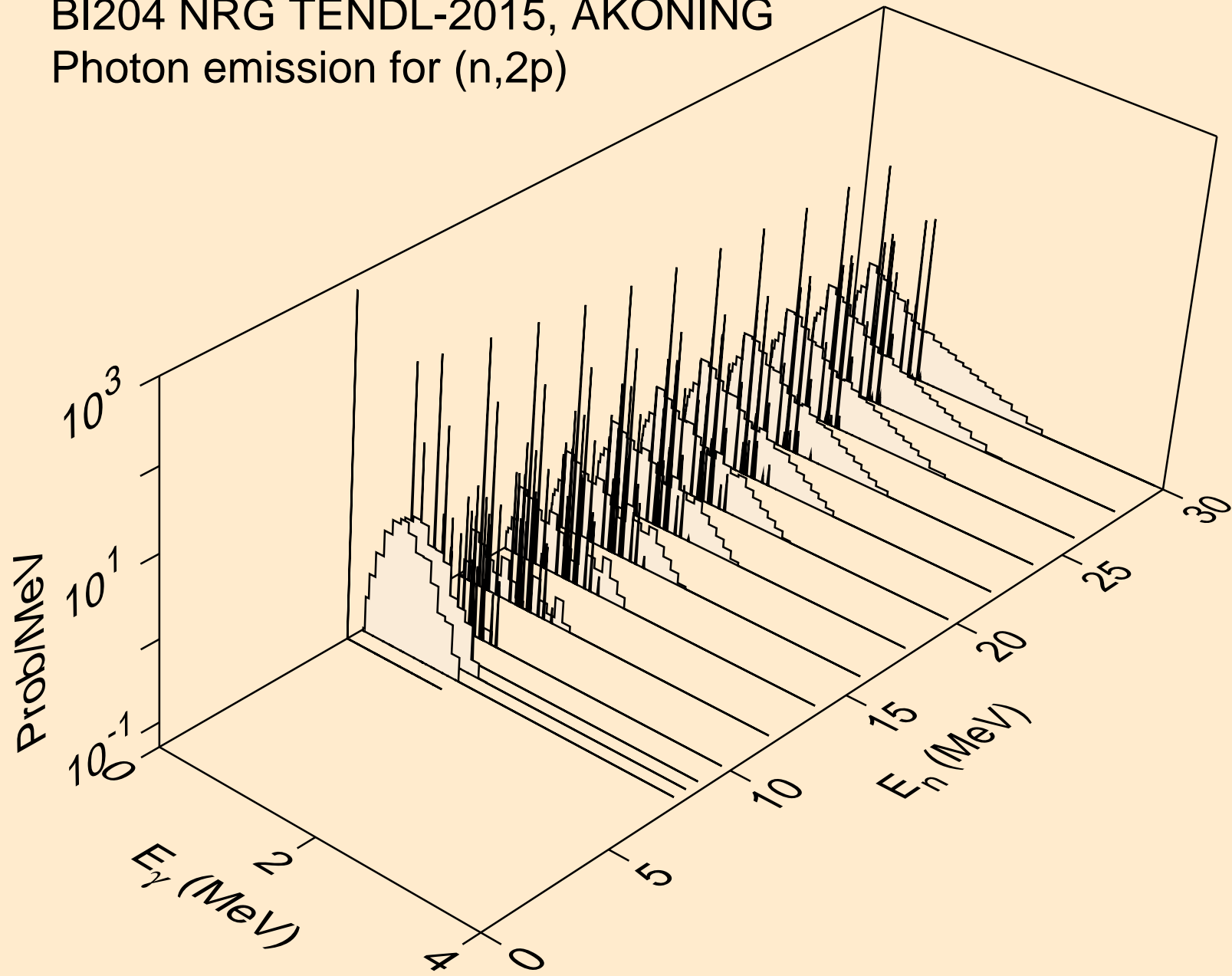


BI204 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)

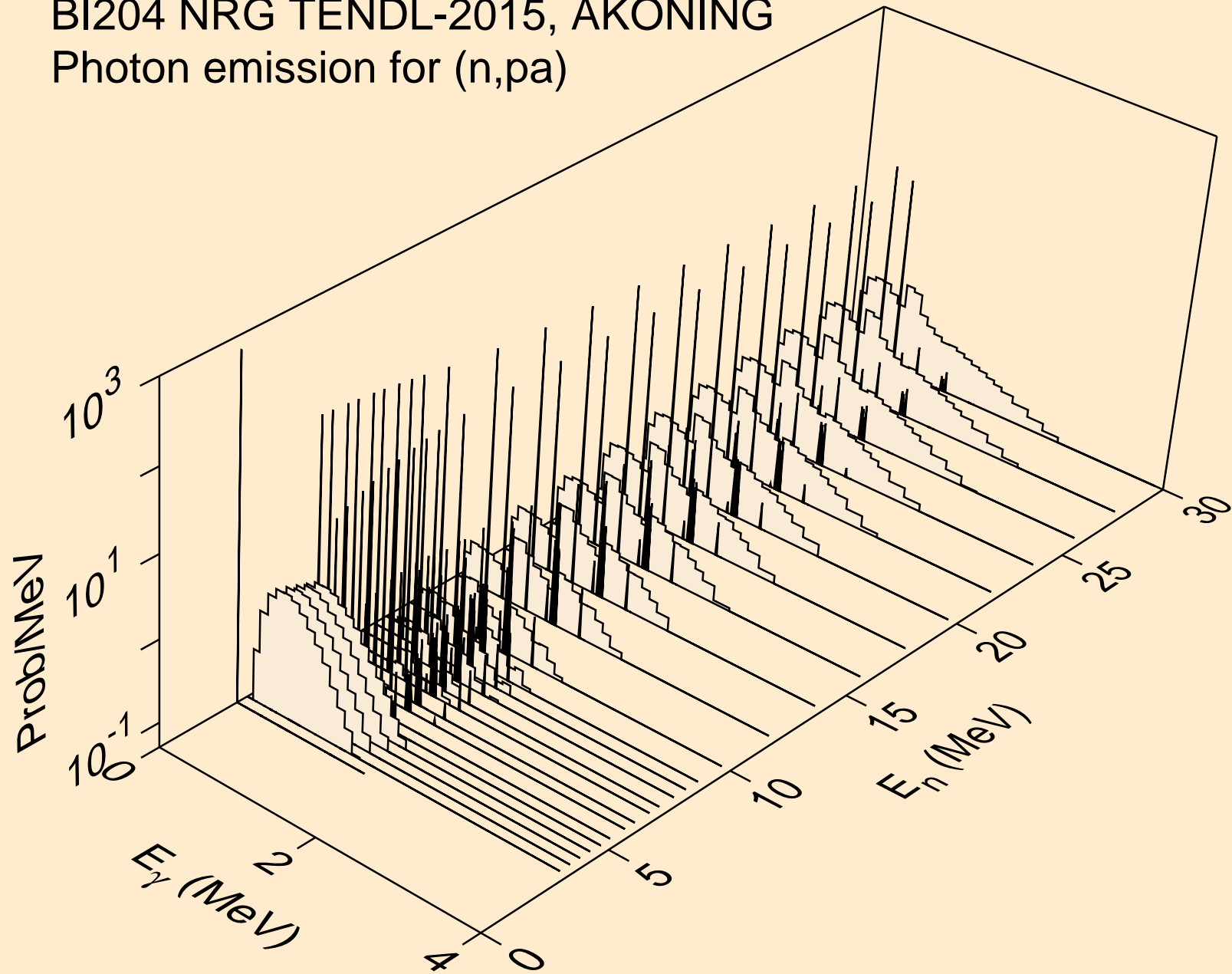




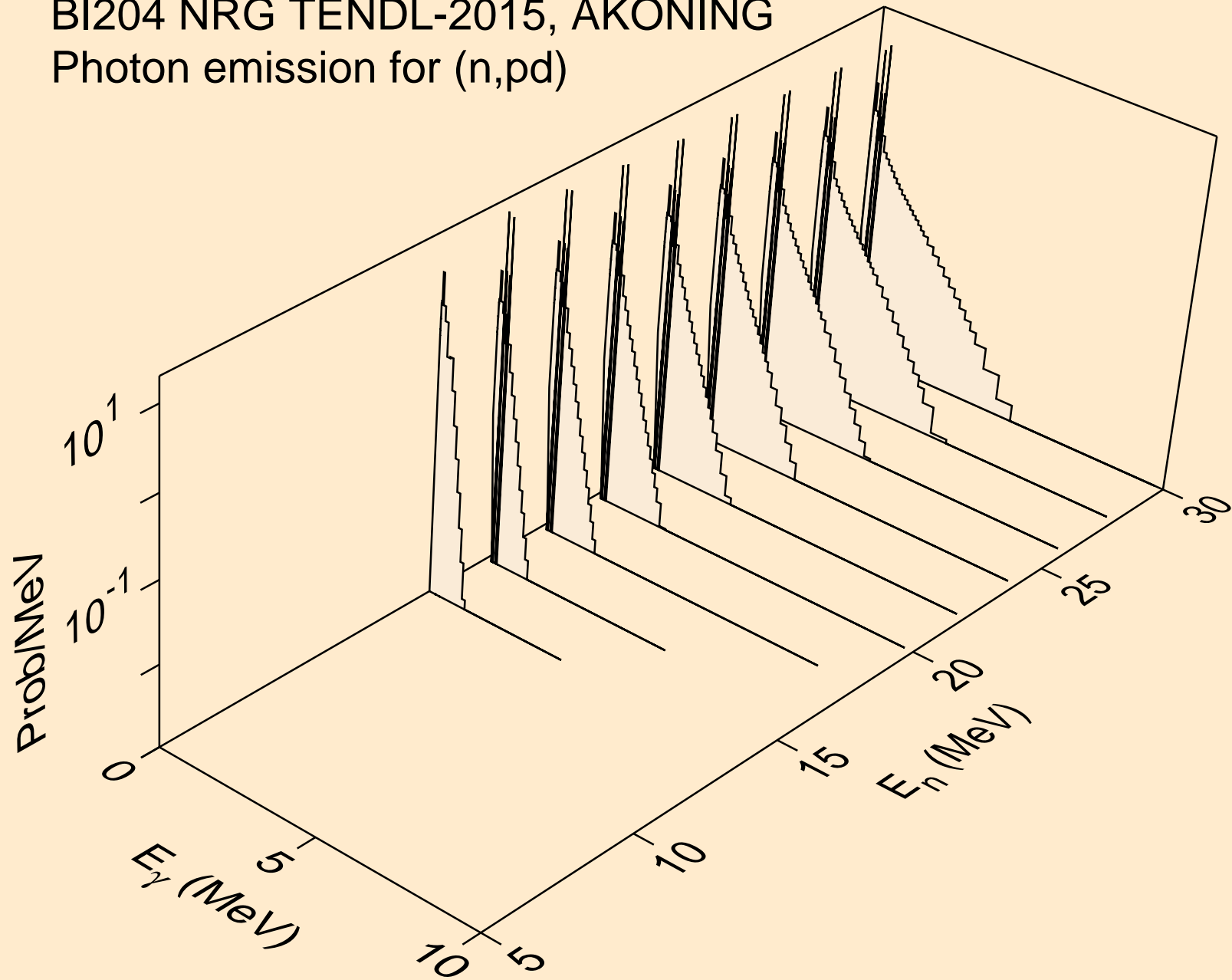
BI204 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



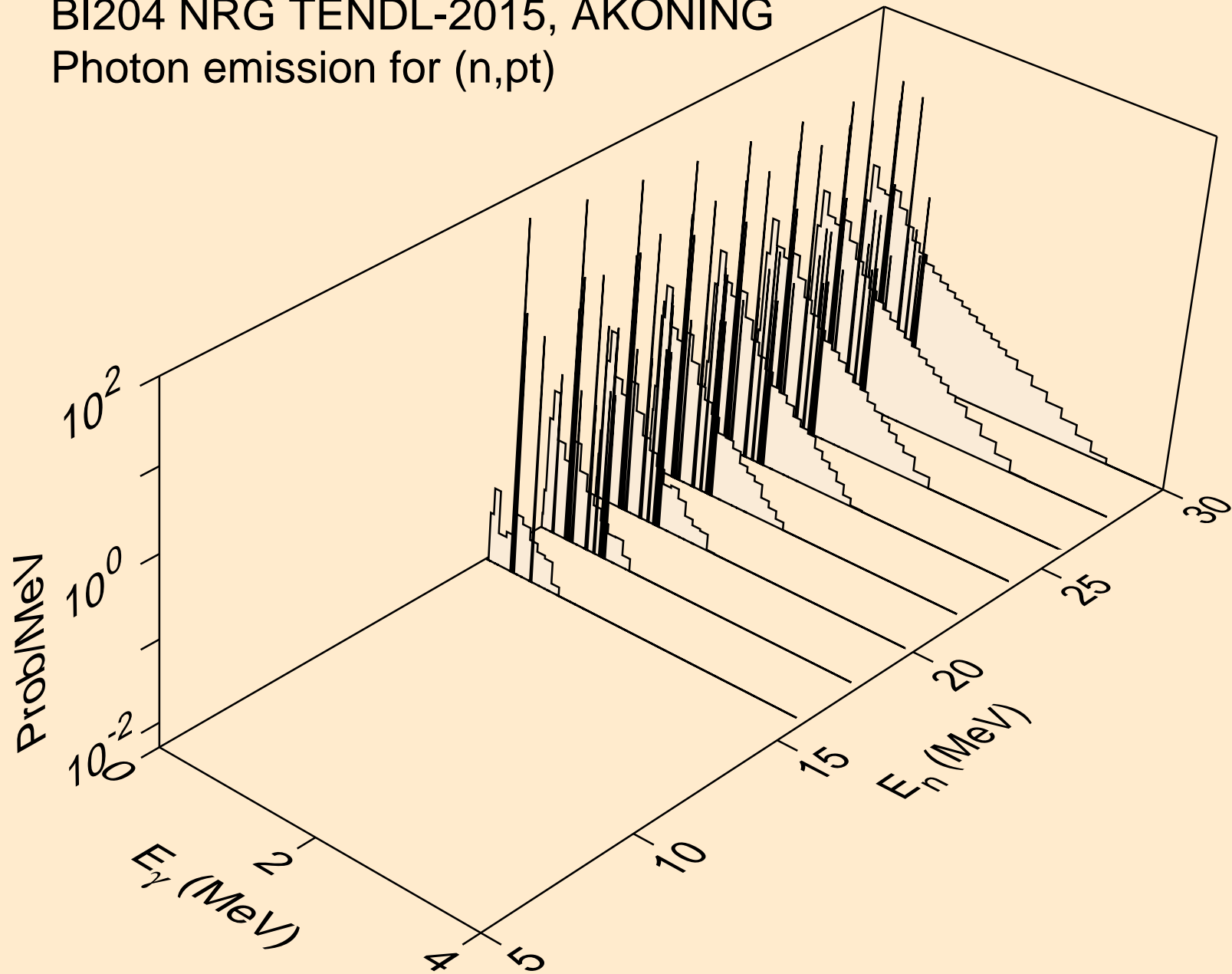
BI204 NRG TENDL-2015, AKONING  
Photon emission for (n,p $\alpha$ )



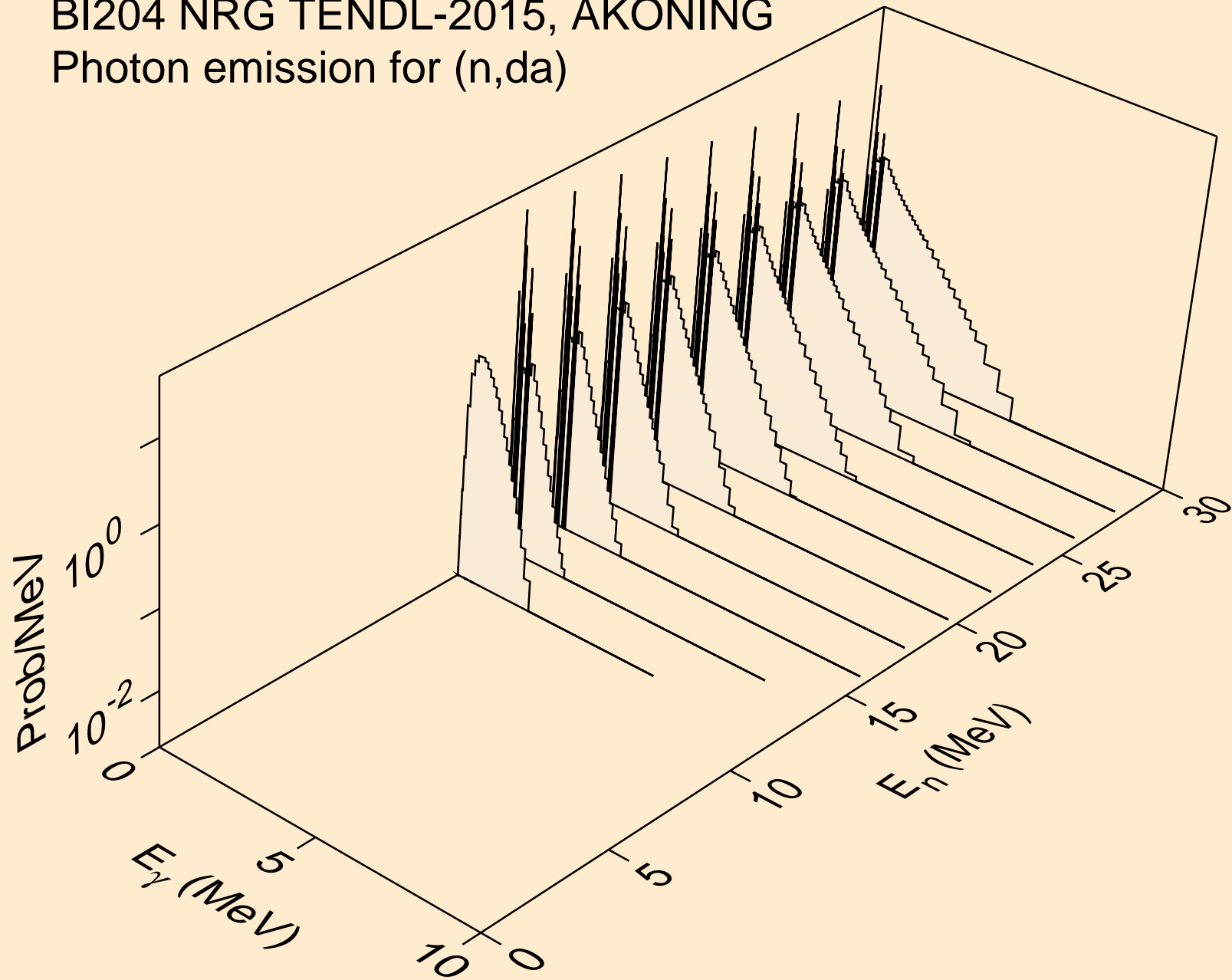
BI204 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



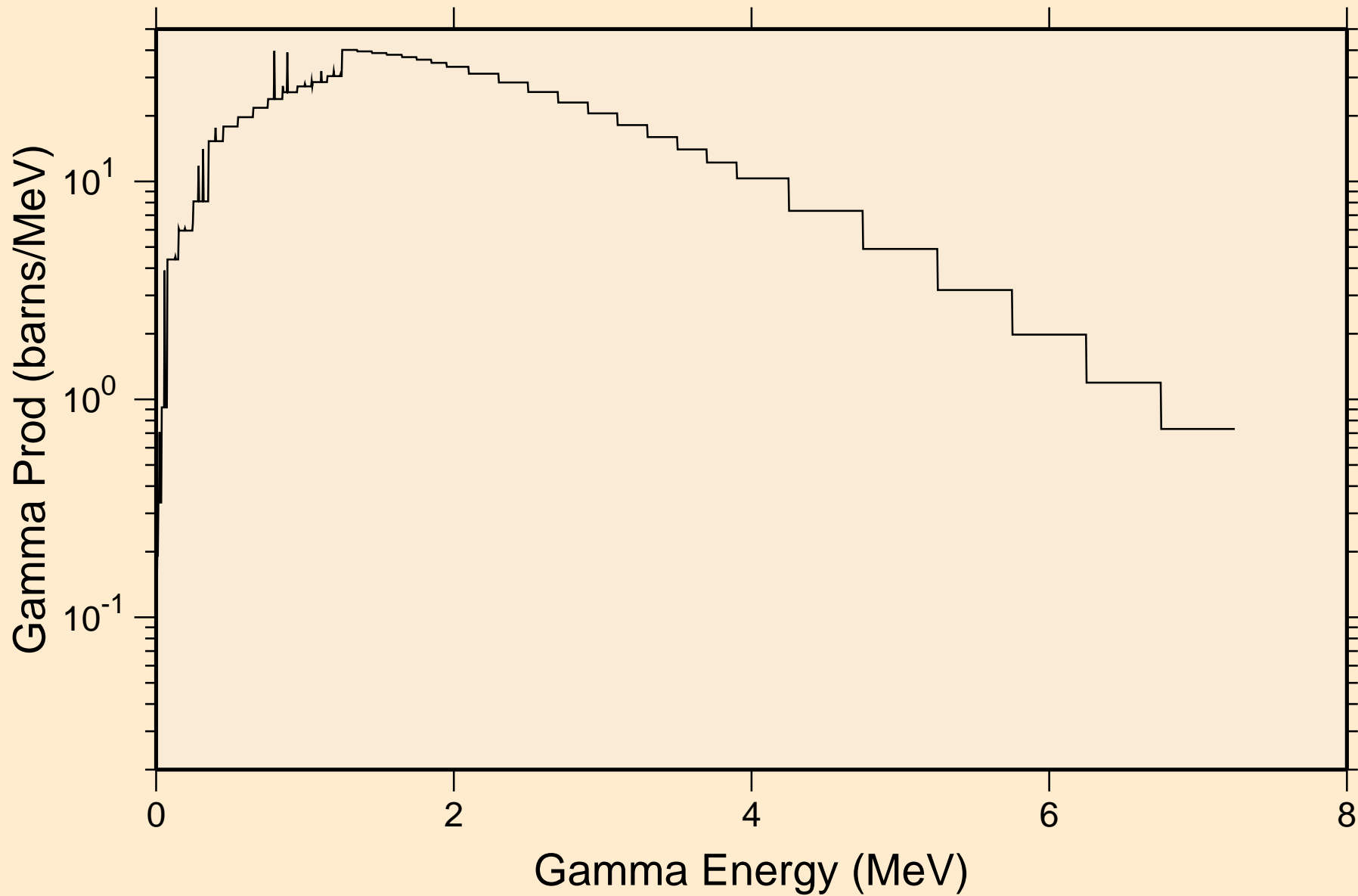
BI204 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



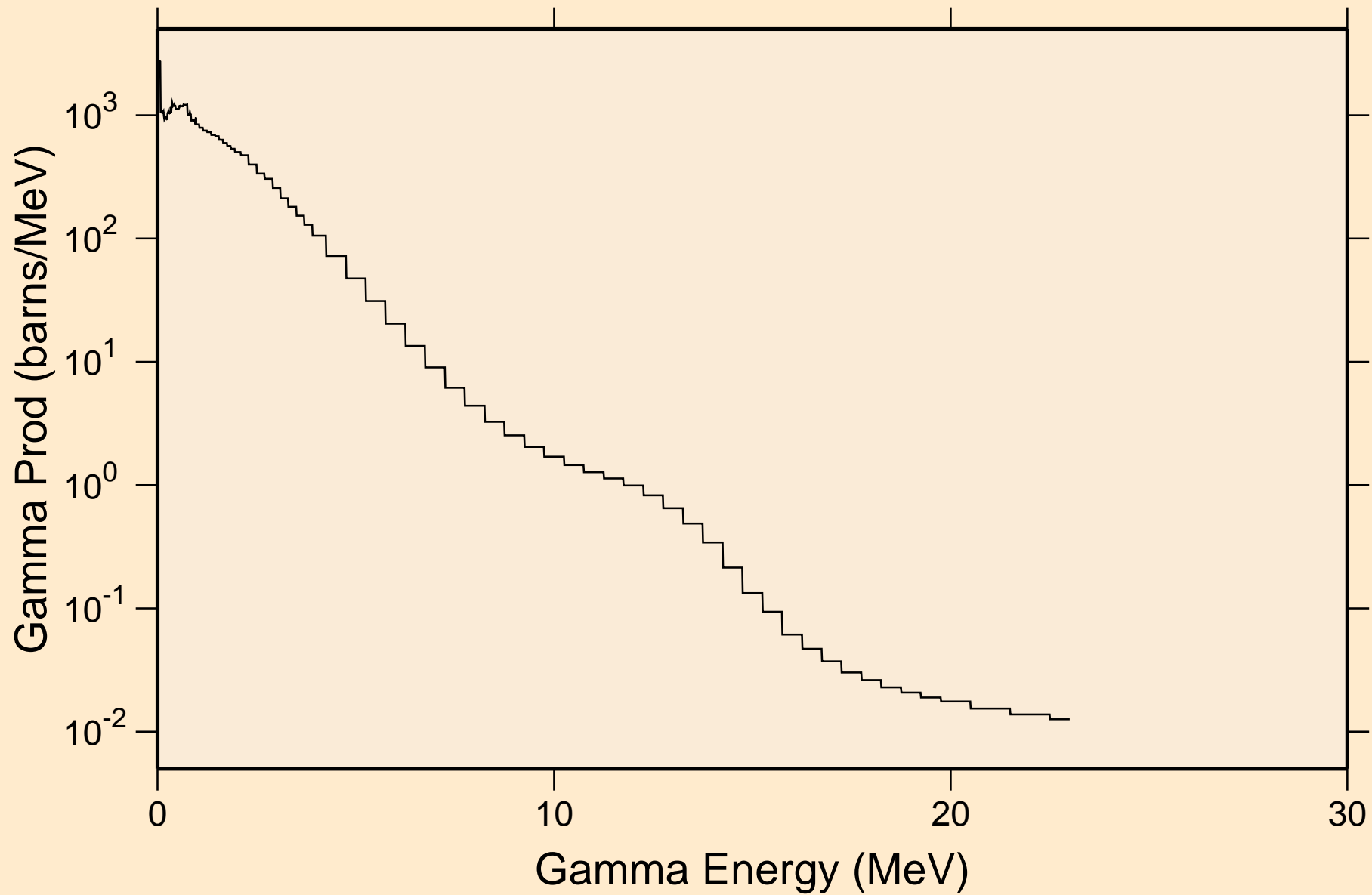
BI204 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



BI204 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

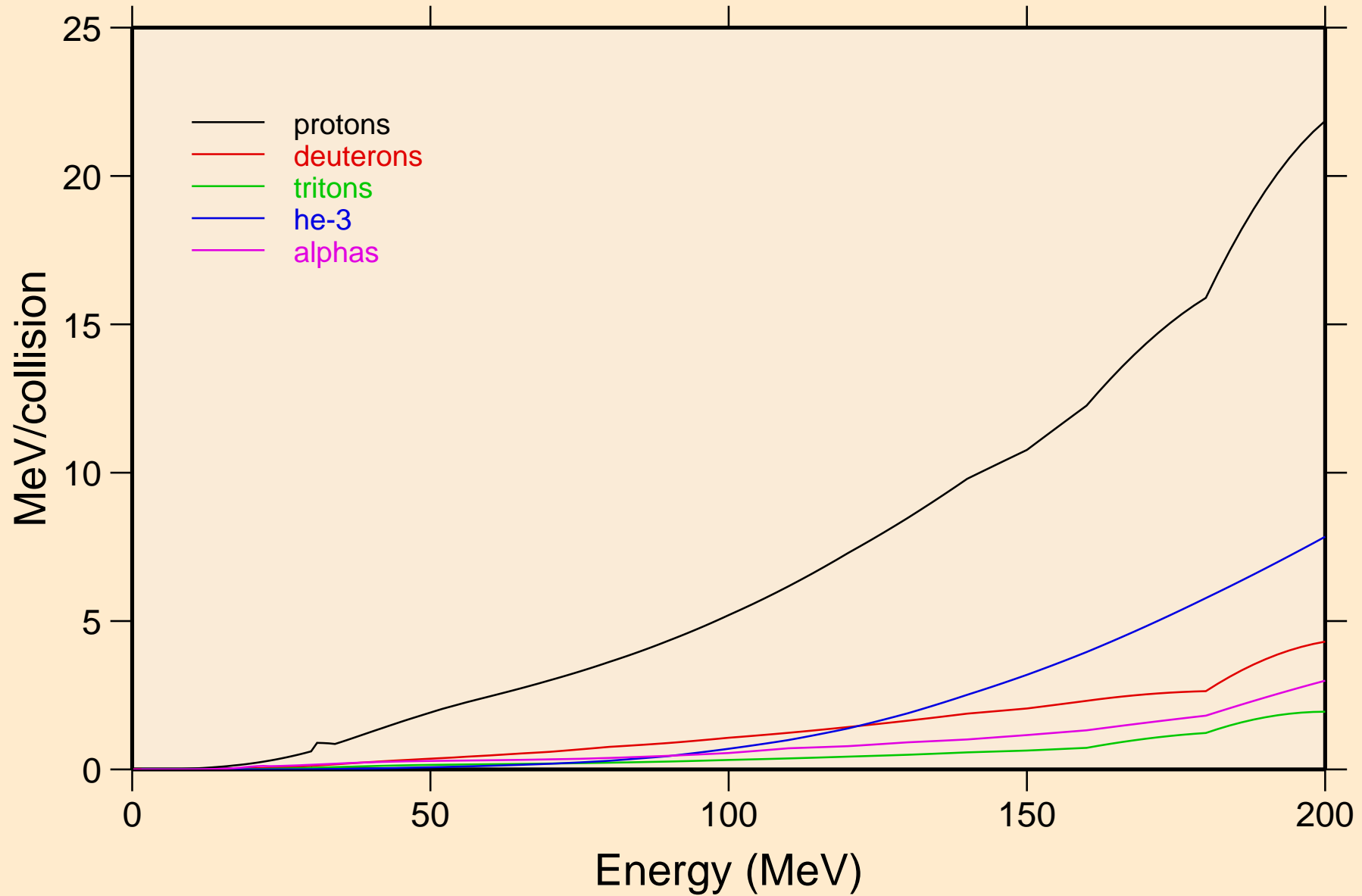


BI204 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



# BI204 NRG TENDL-2015, AKONING

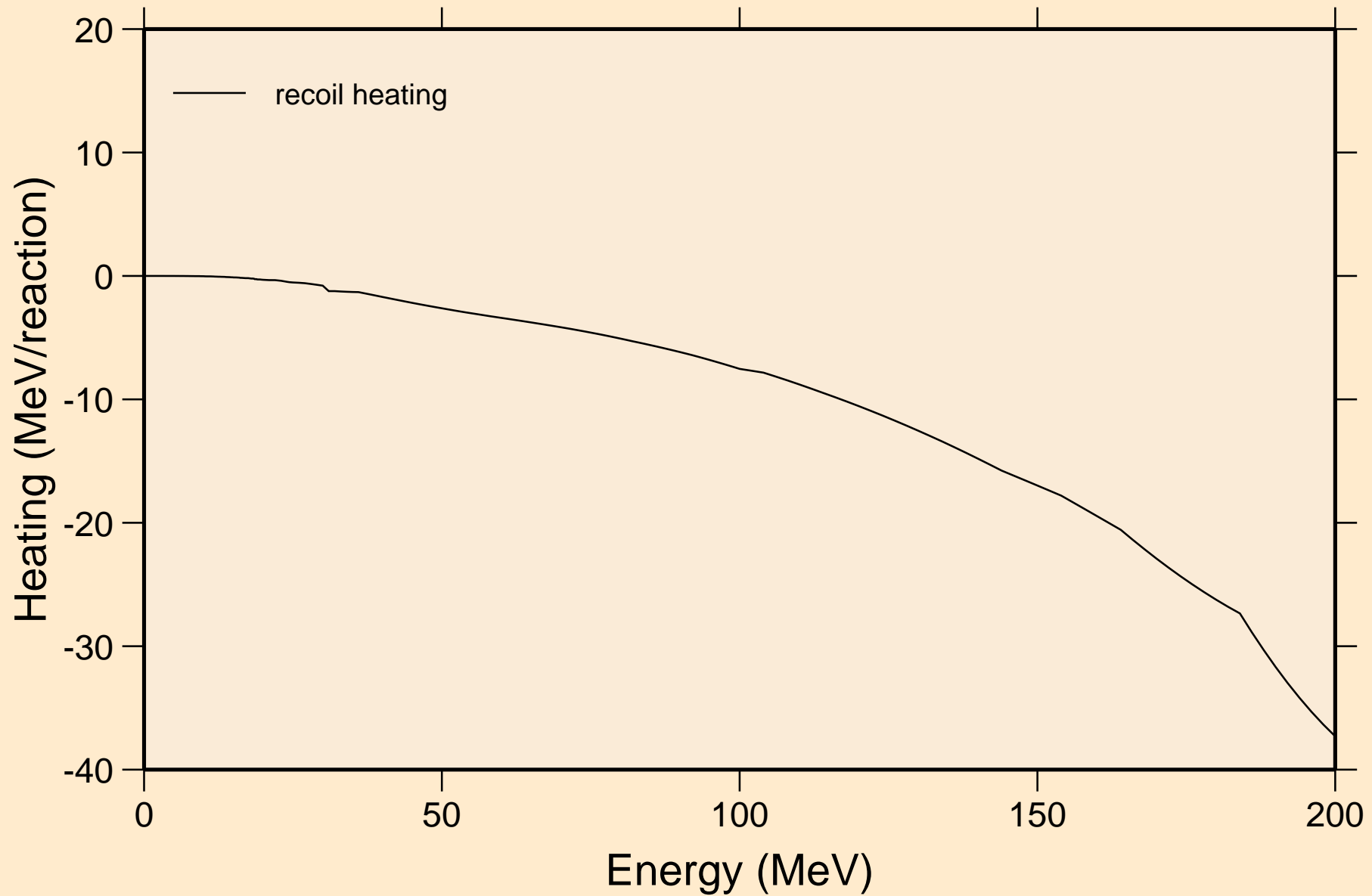
## Particle heating contributions





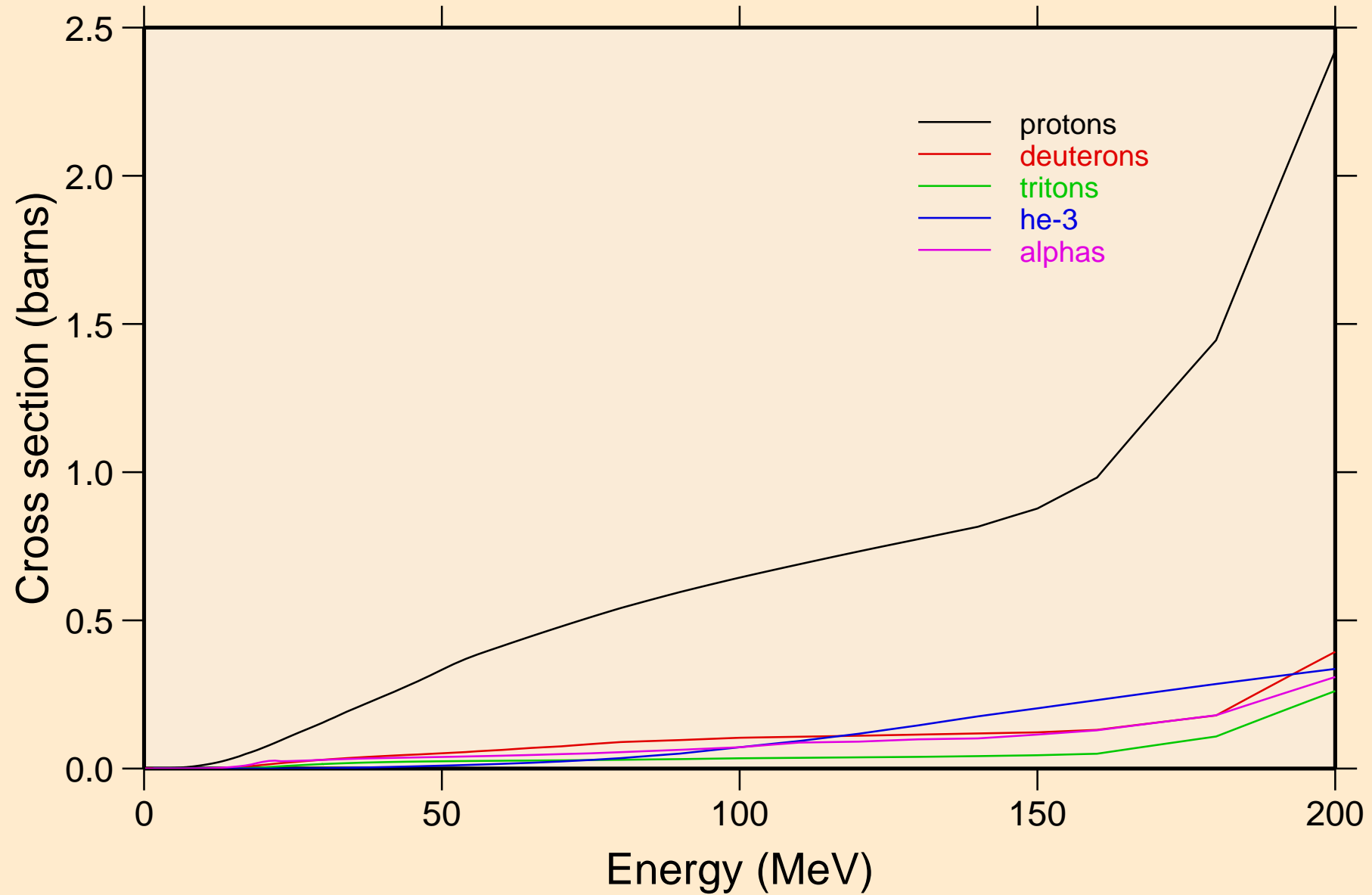
# BI204 NRG TENDL-2015, AKONING

## Recoil Heating

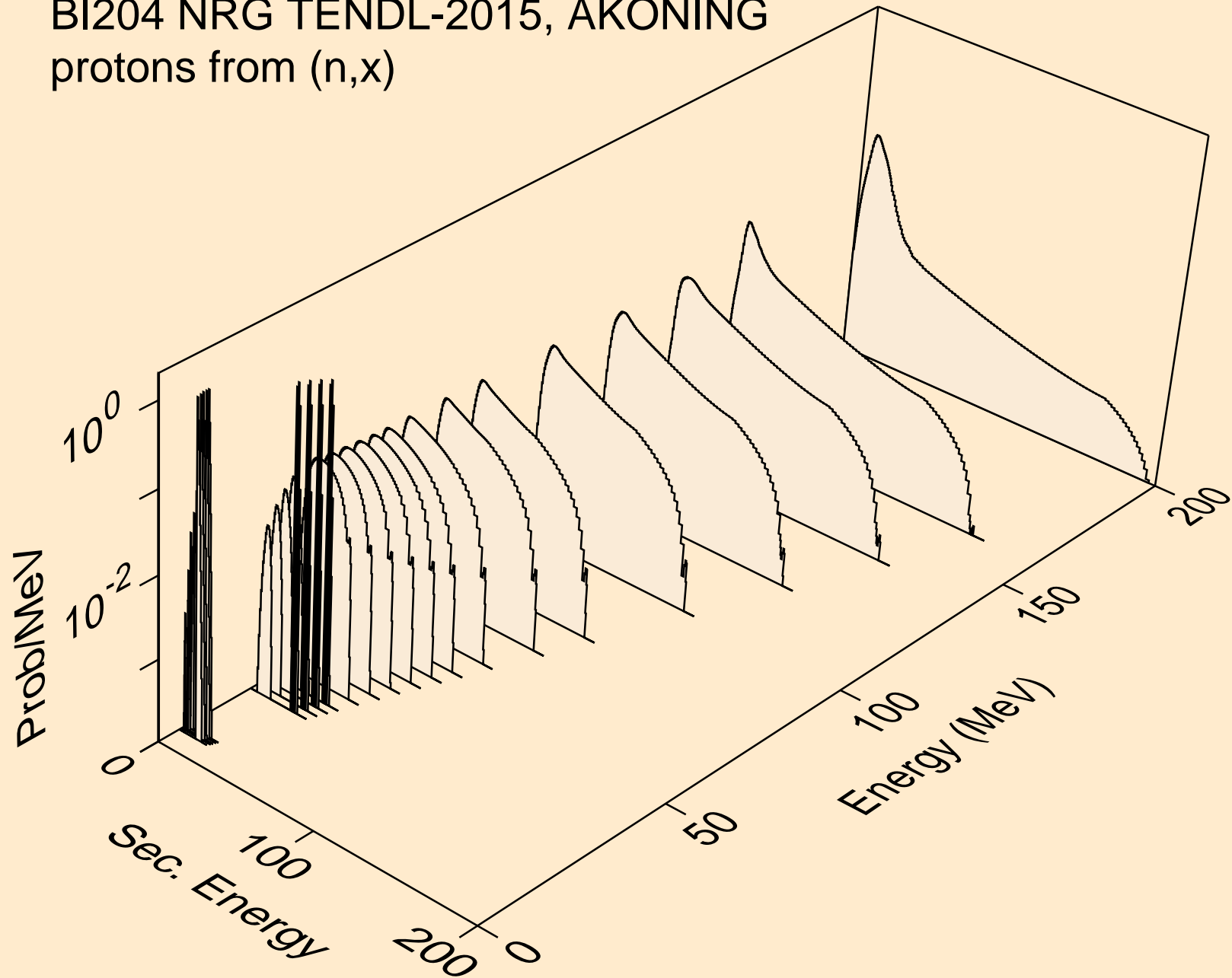


# BI204 NRG TENDL-2015, AKONING

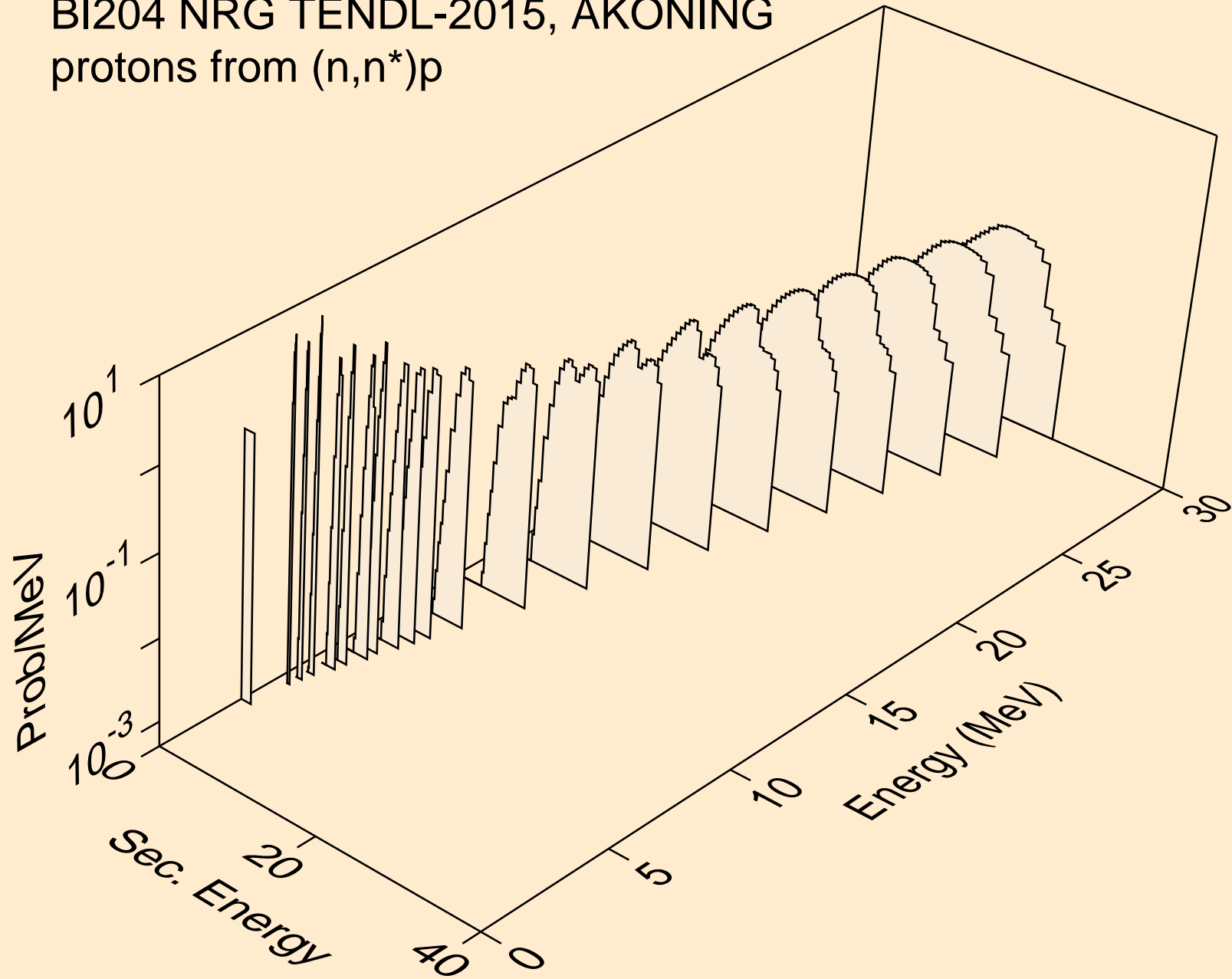
## Particle production cross sections



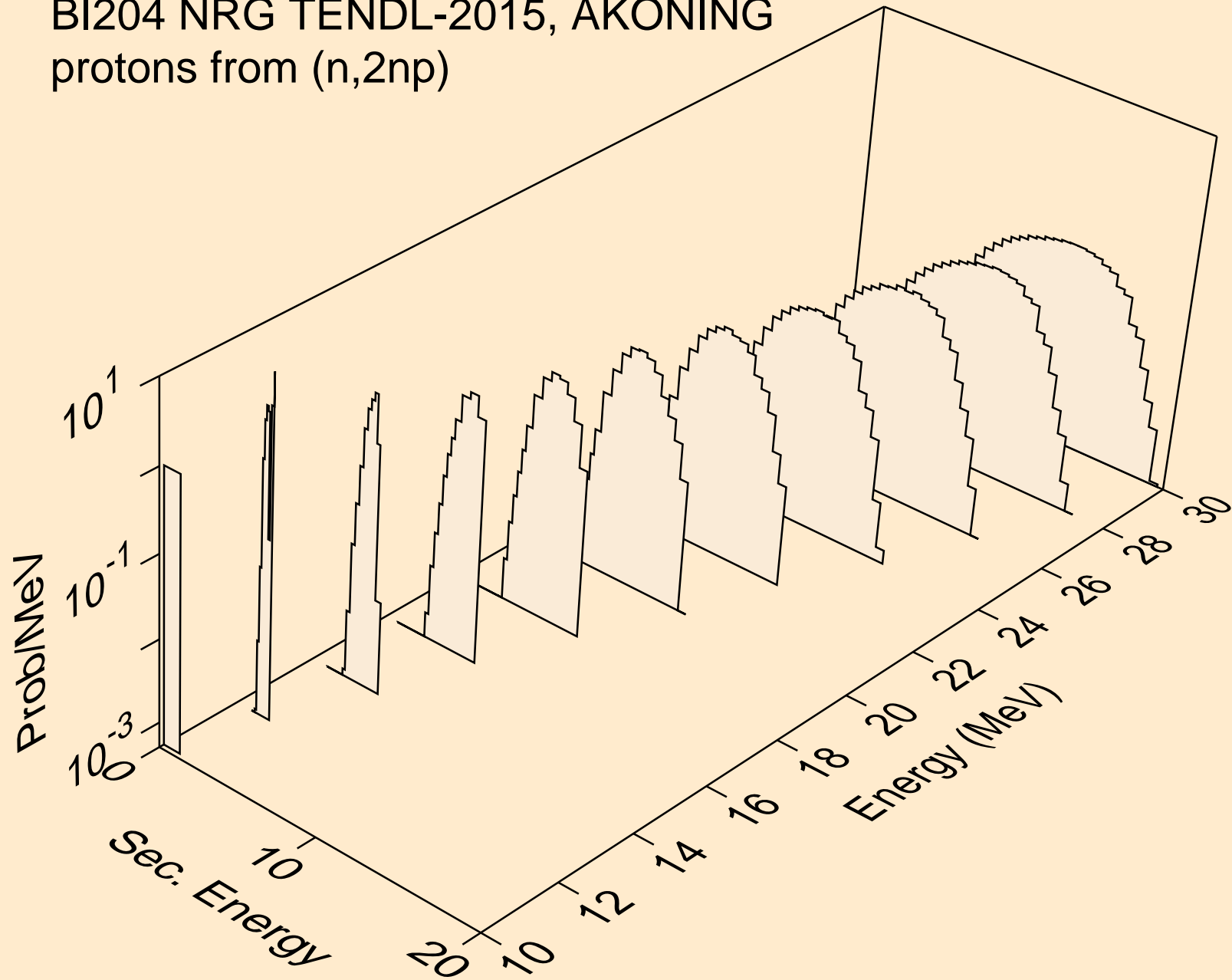
BI204 NRG TENDL-2015, AKONING  
protons from (n,x)



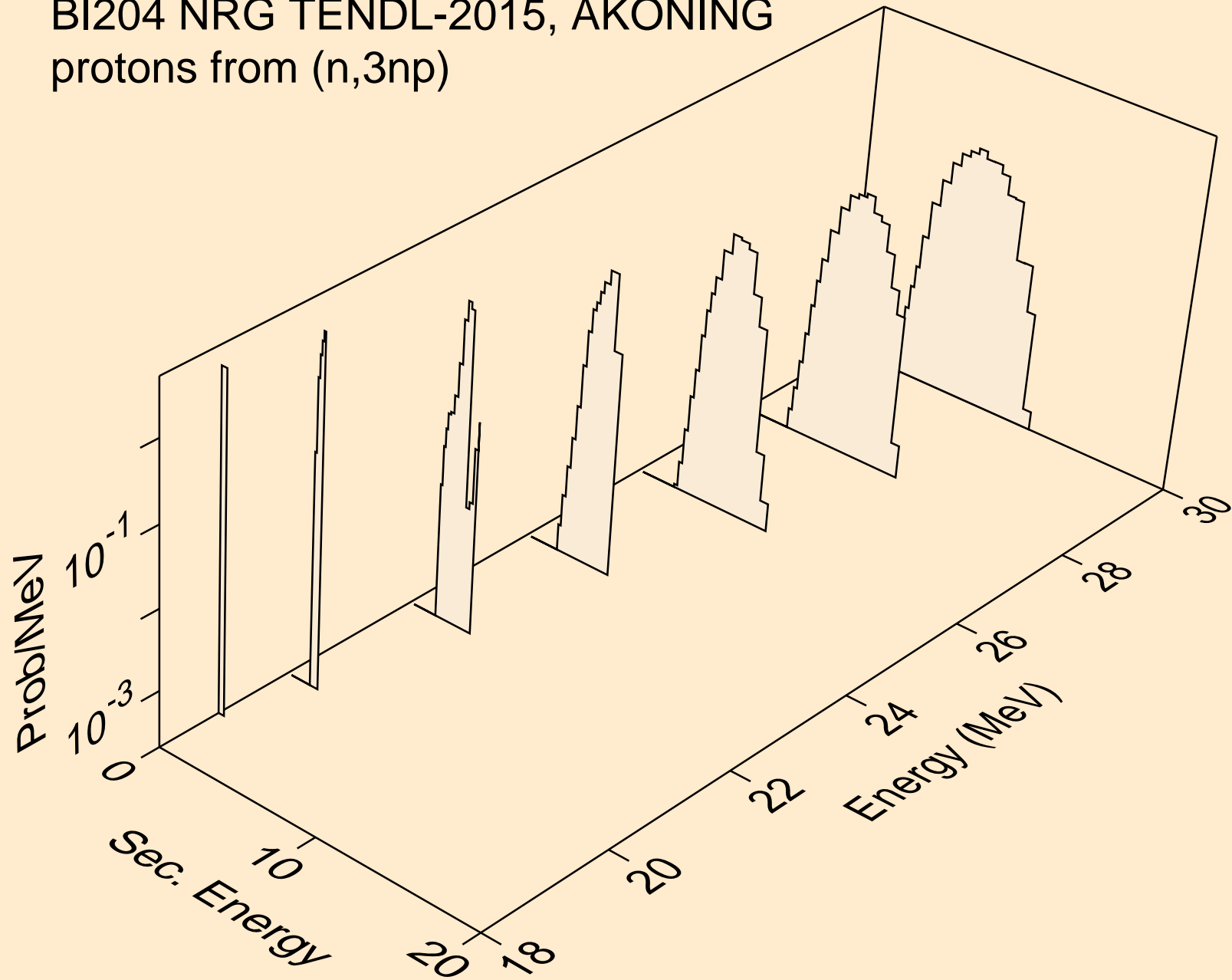
BI204 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



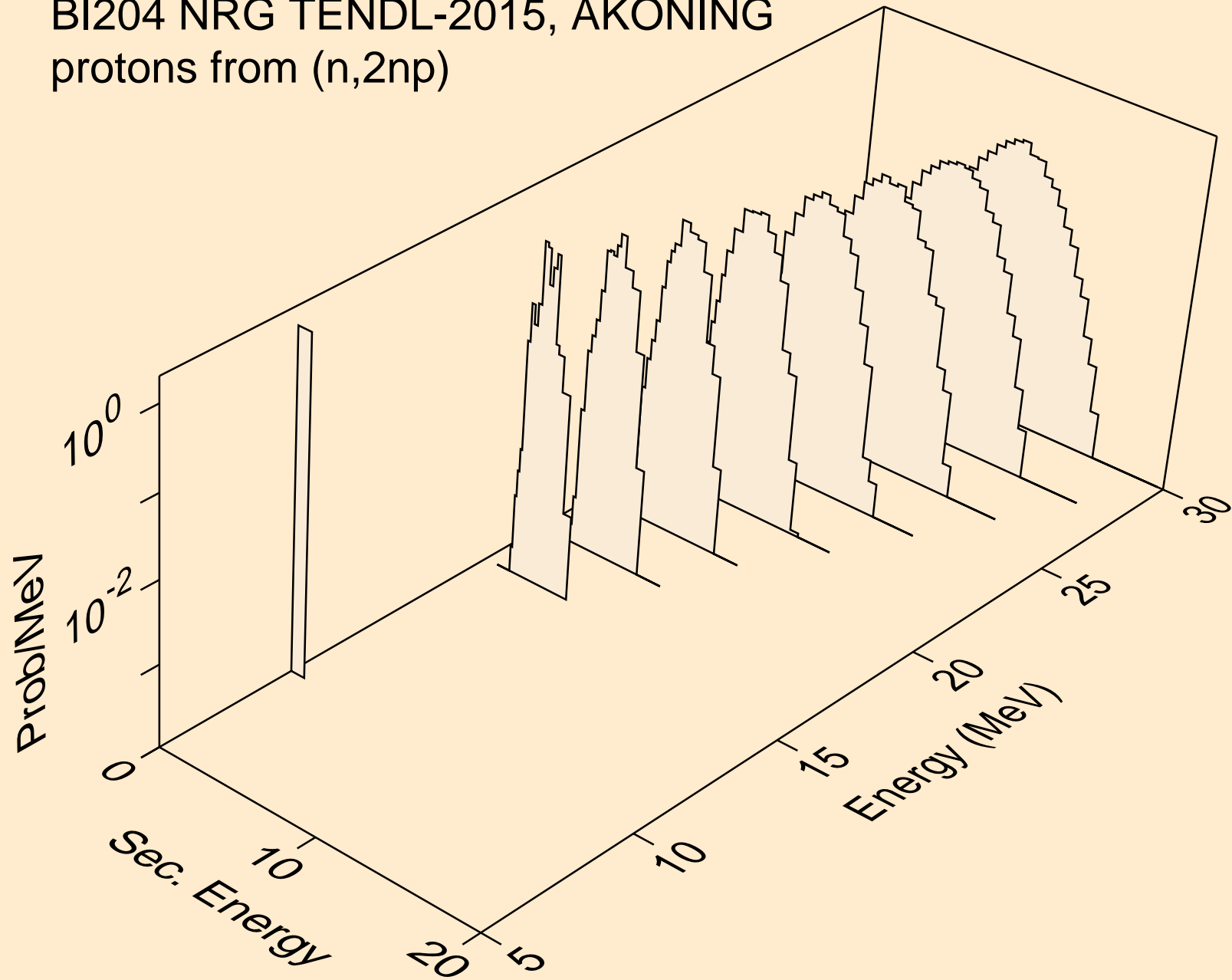
BI204 NRG TENDL-2015, AKONING  
protons from (n,2np)



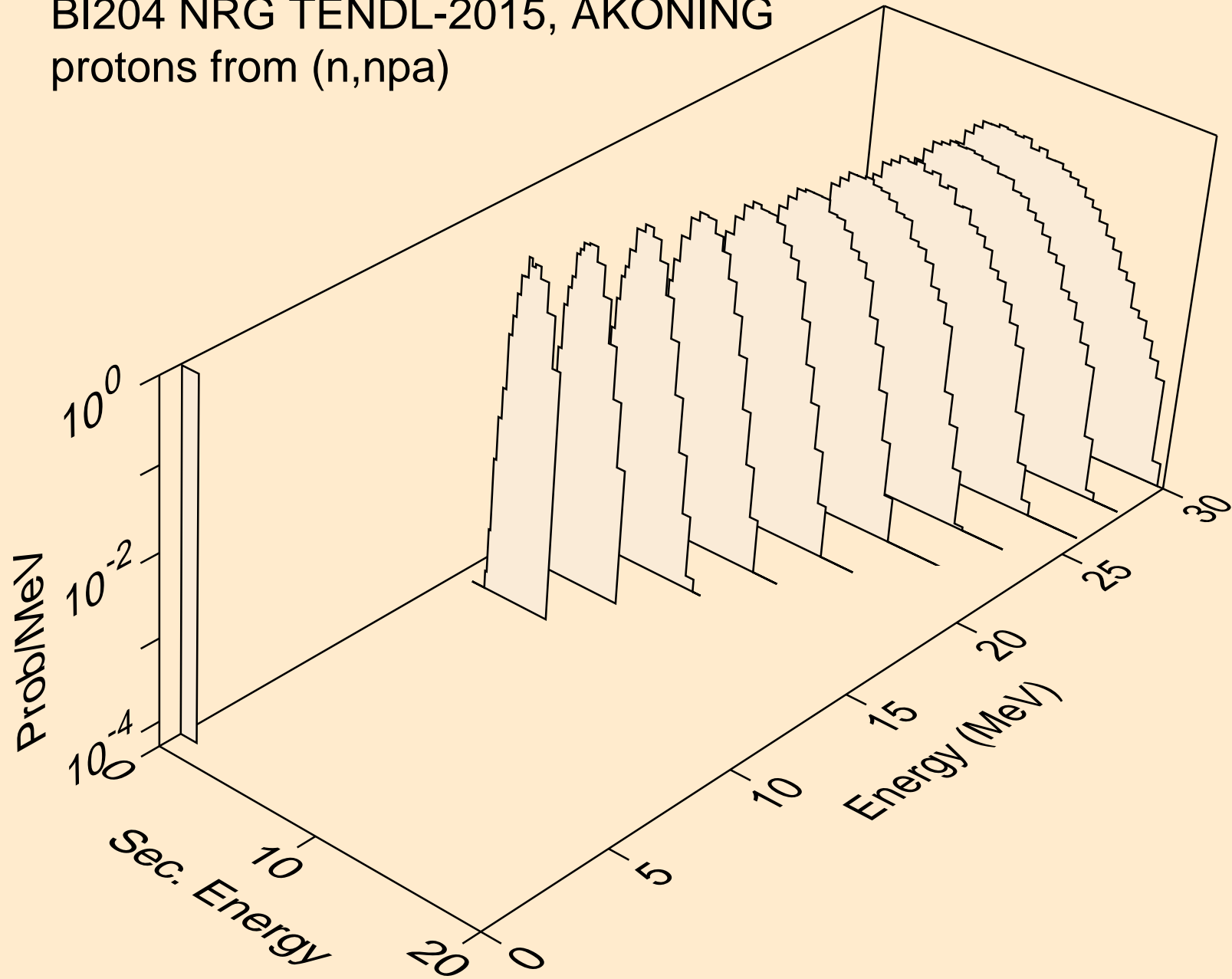
BI204 NRG TENDL-2015, AKONING  
protons from (n,3np)



BI204 NRG TENDL-2015, AKONING  
protons from (n,2np)

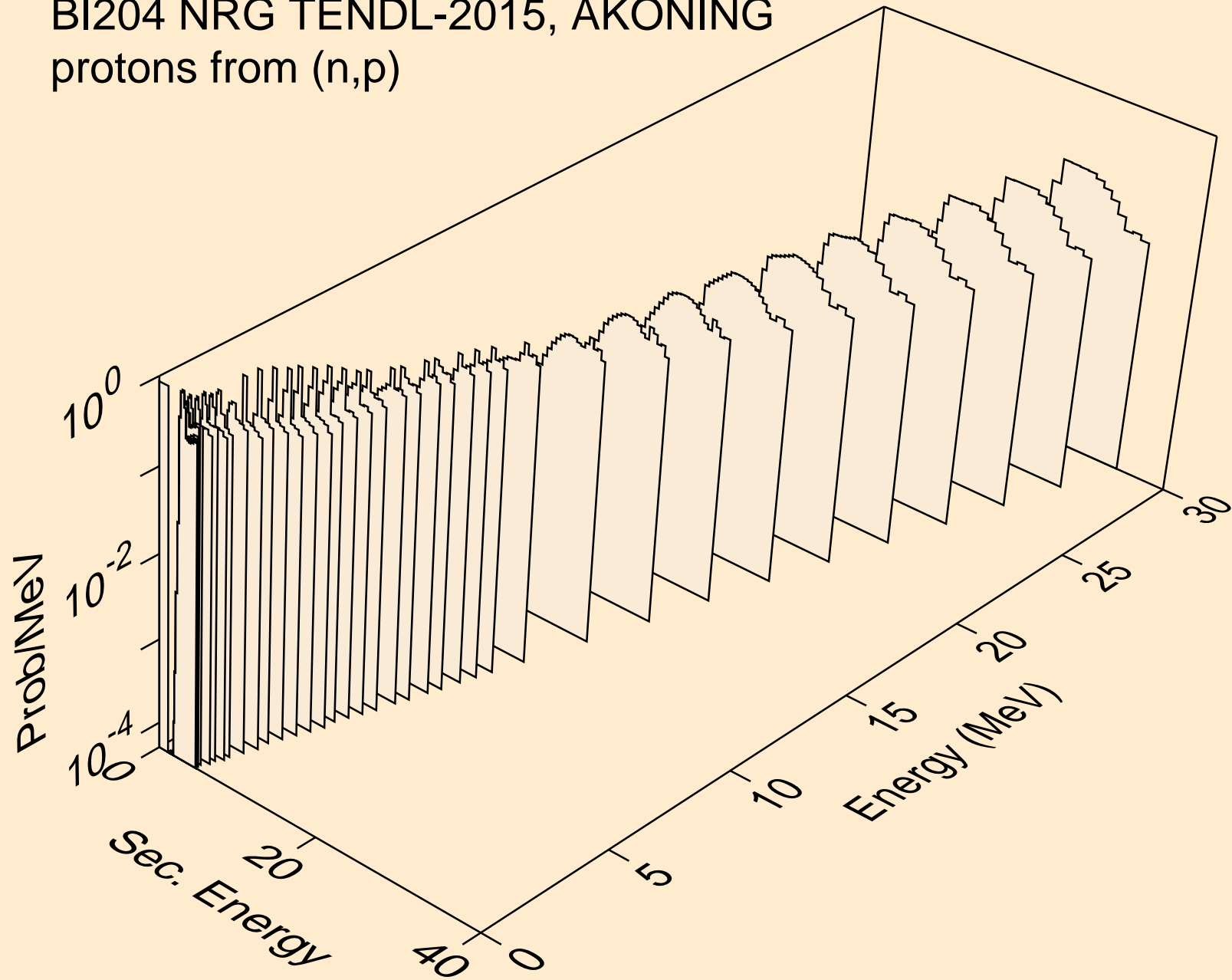


BI204 NRG TENDL-2015, AKONING  
protons from (n,npa)

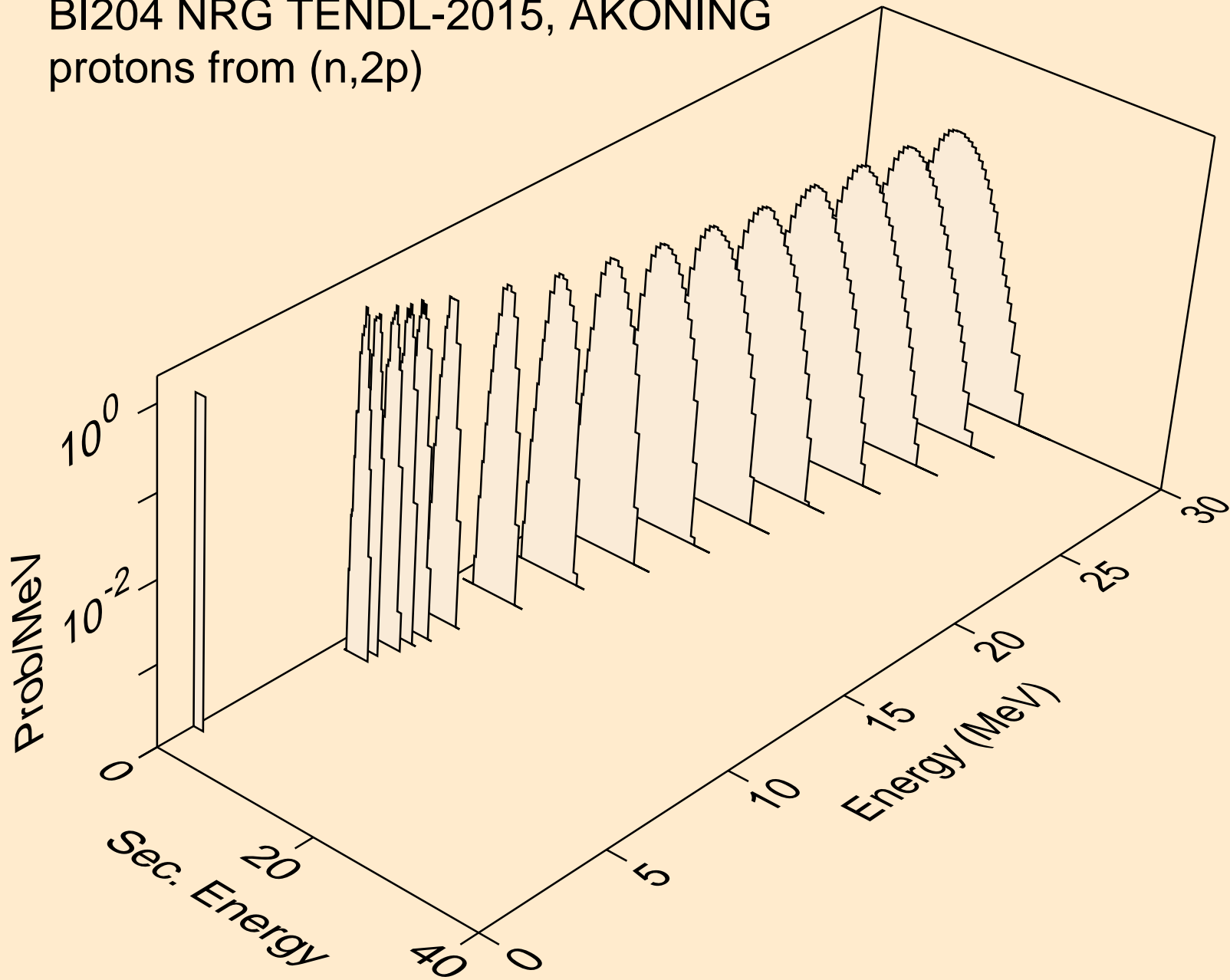




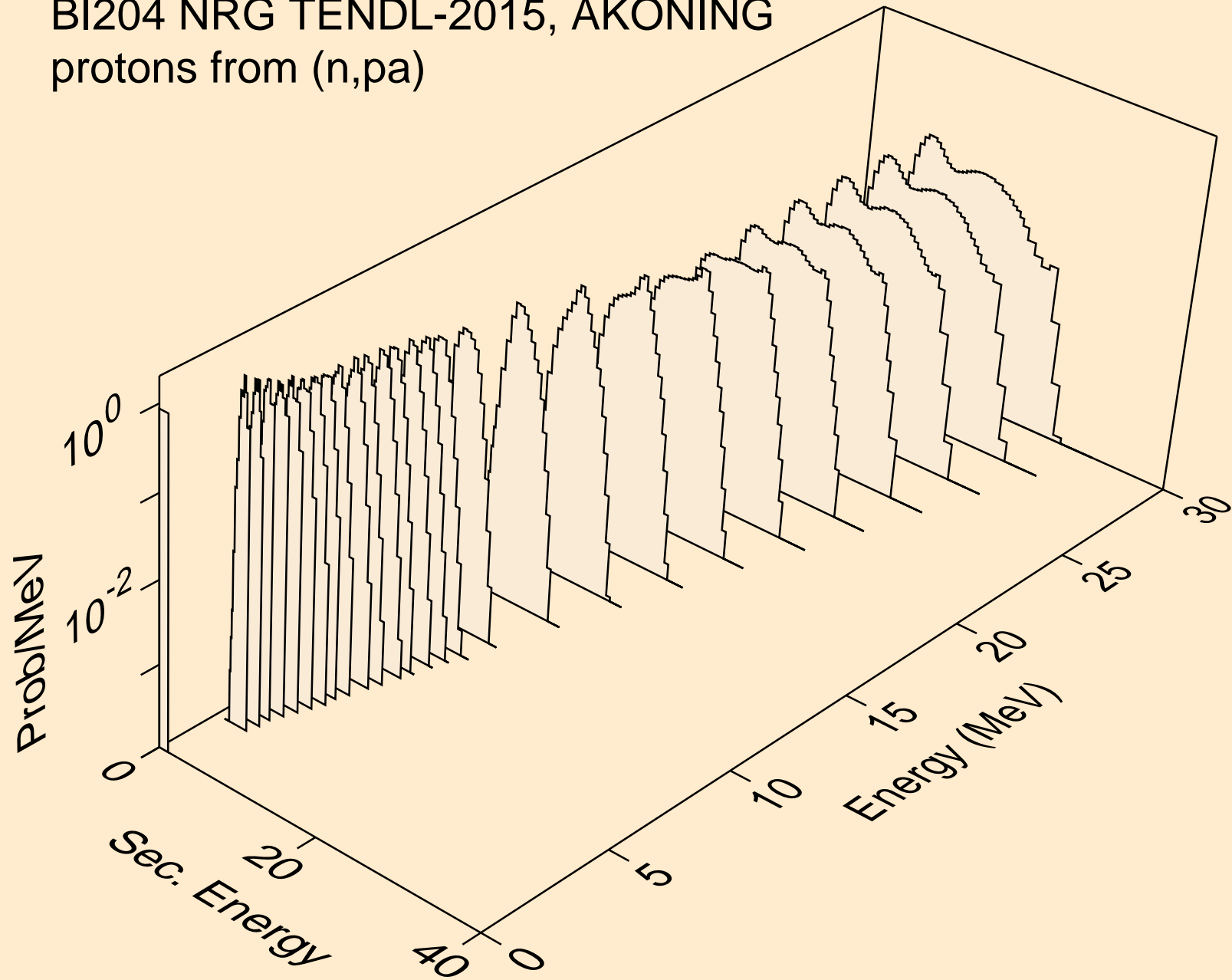
BI204 NRG TENDL-2015, AKONING  
protons from (n,p)



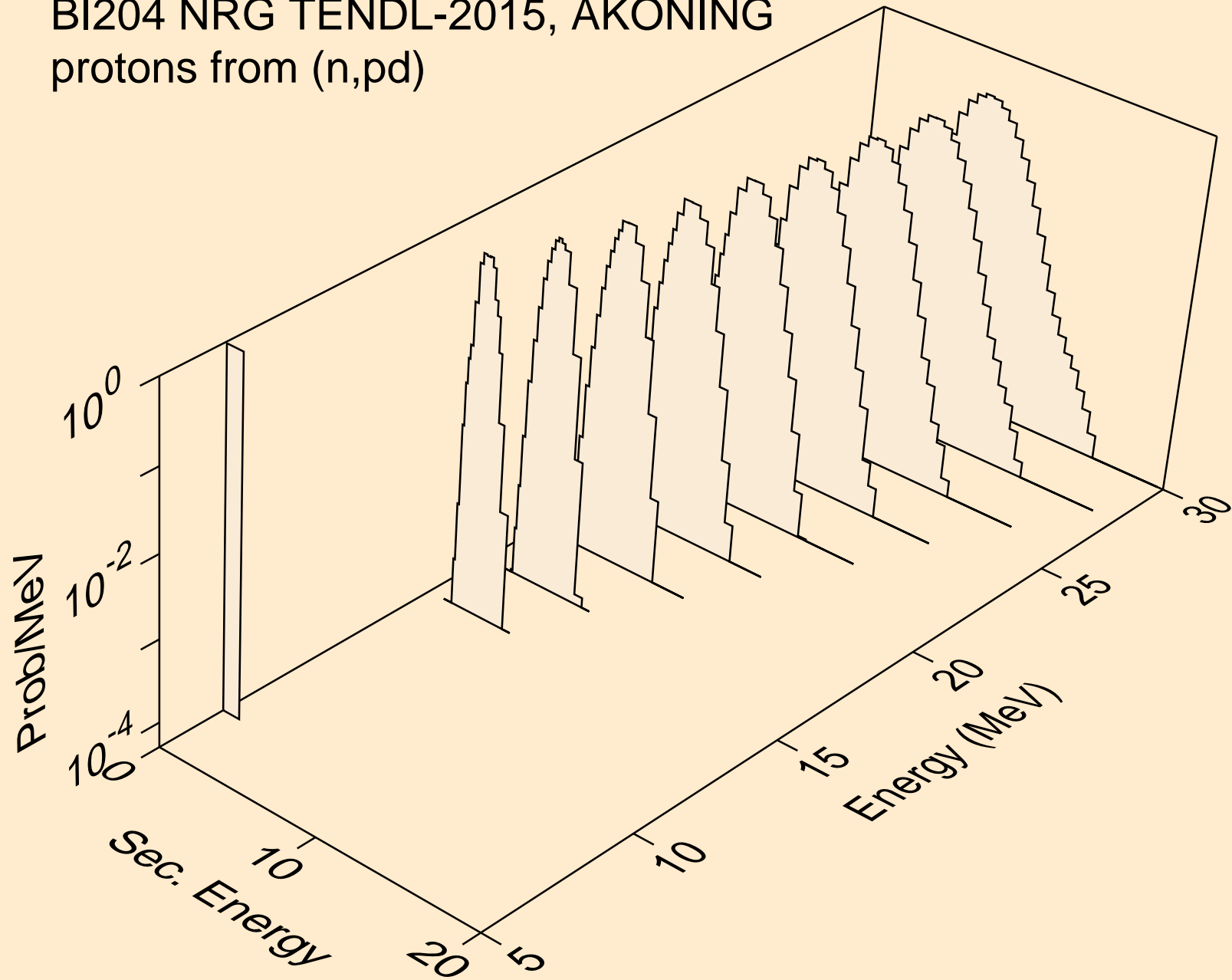
BI204 NRG TENDL-2015, AKONING  
protons from (n,2p)



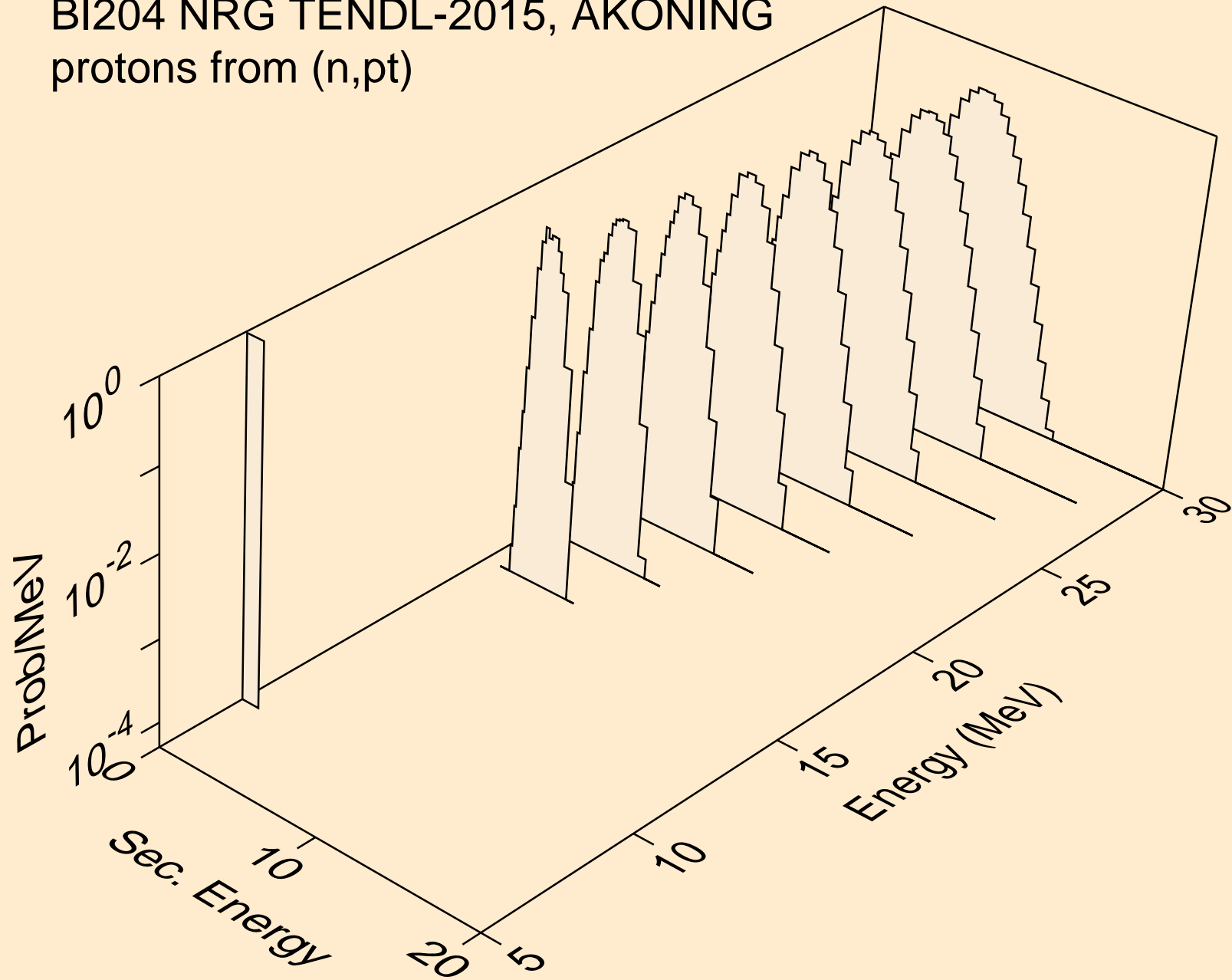
BI204 NRG TENDL-2015, AKONING  
protons from (n,pa)



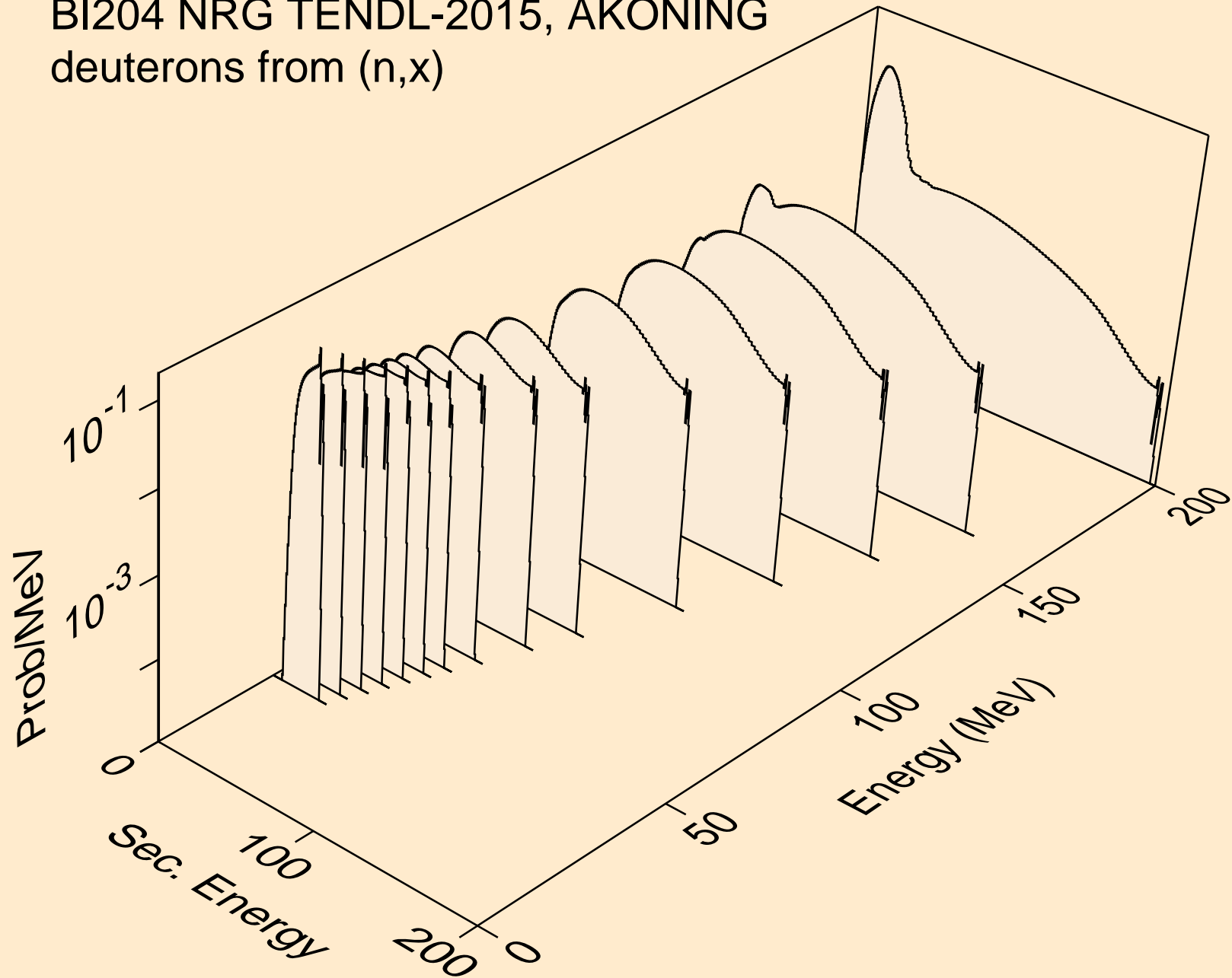
BI204 NRG TENDL-2015, AKONING  
protons from (n,pd)



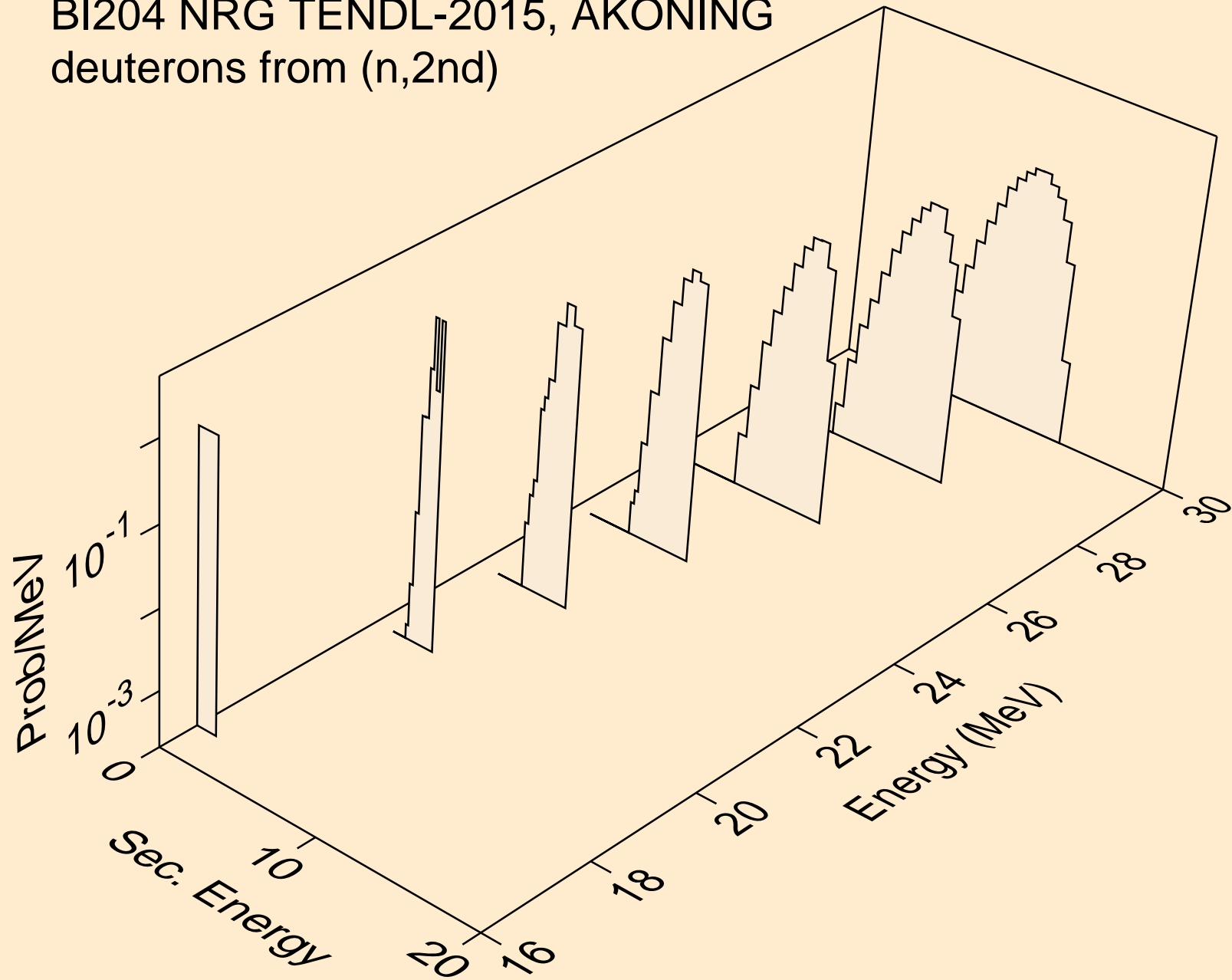
BI204 NRG TENDL-2015, AKONING  
protons from (n,pt)



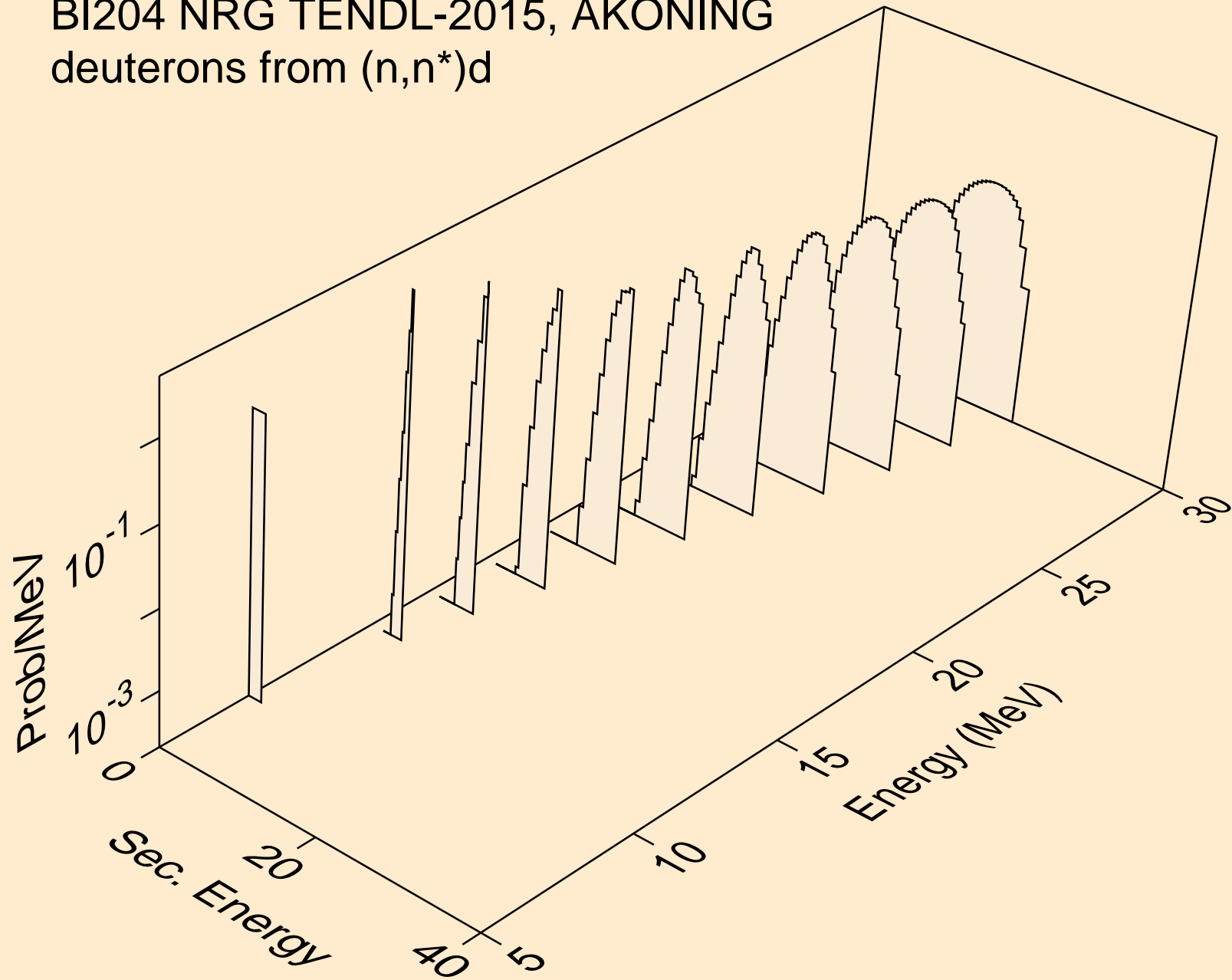
BI204 NRG TENDL-2015, AKONING  
deuterons from (n,x)



BI204 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)

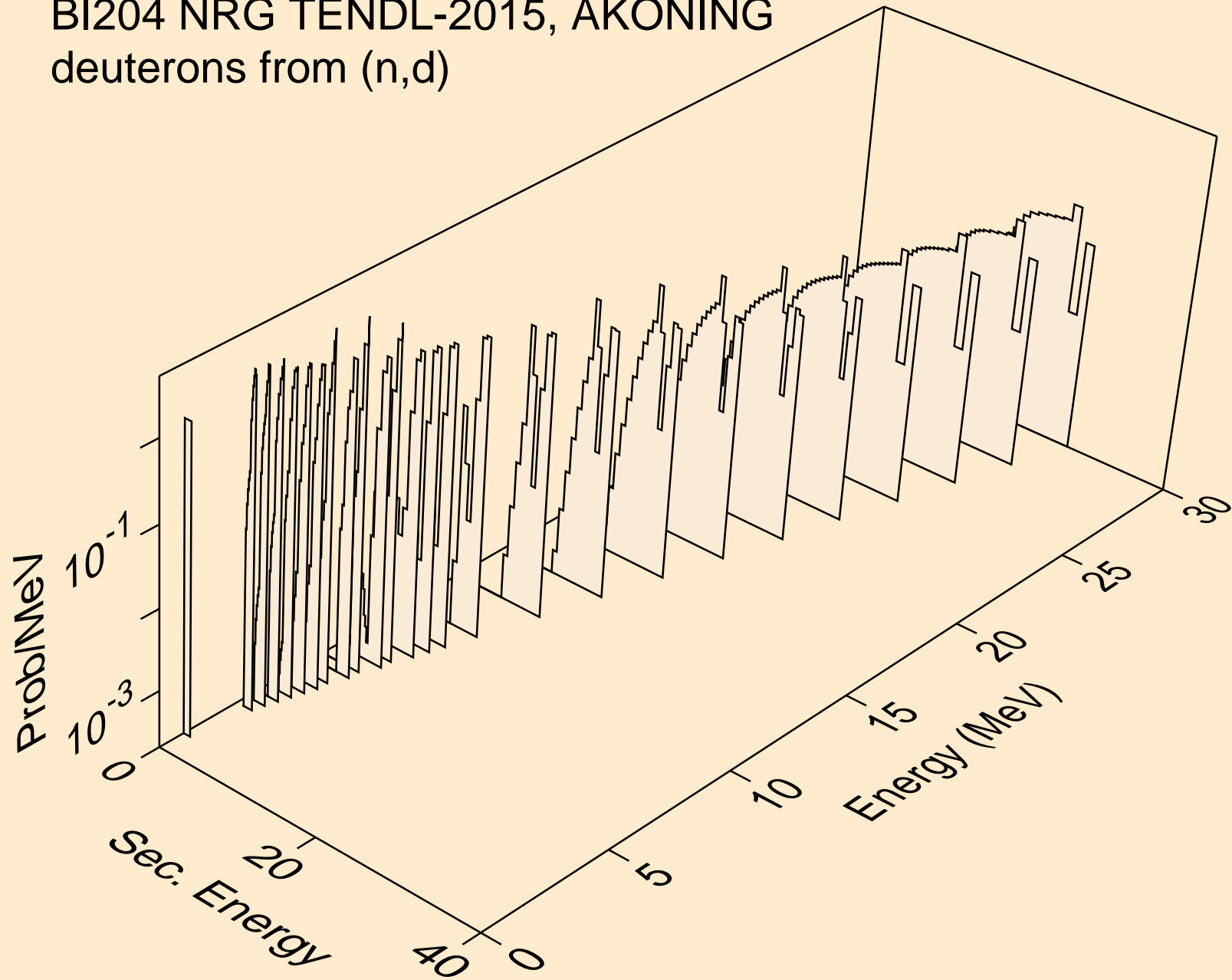


BI204 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d

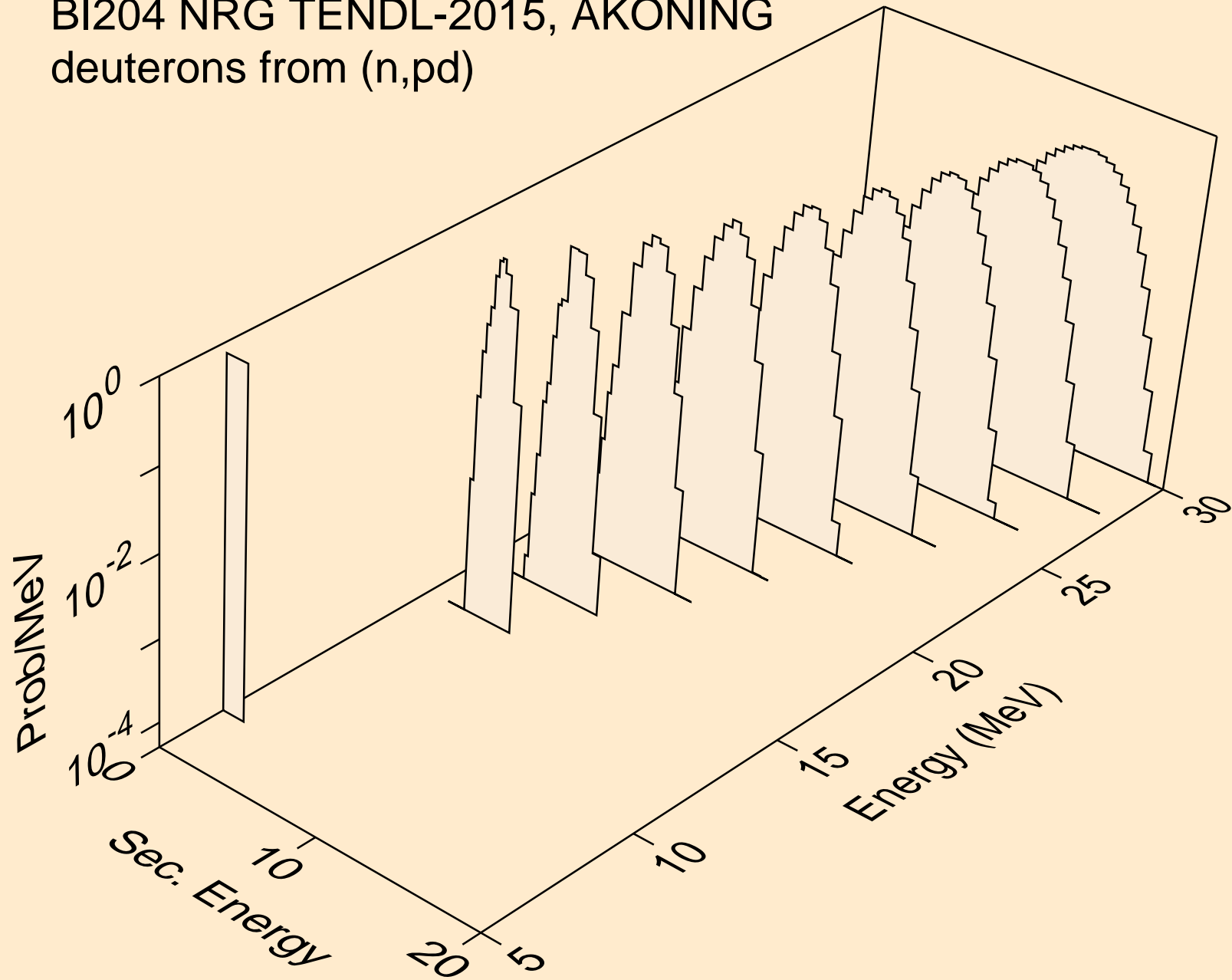




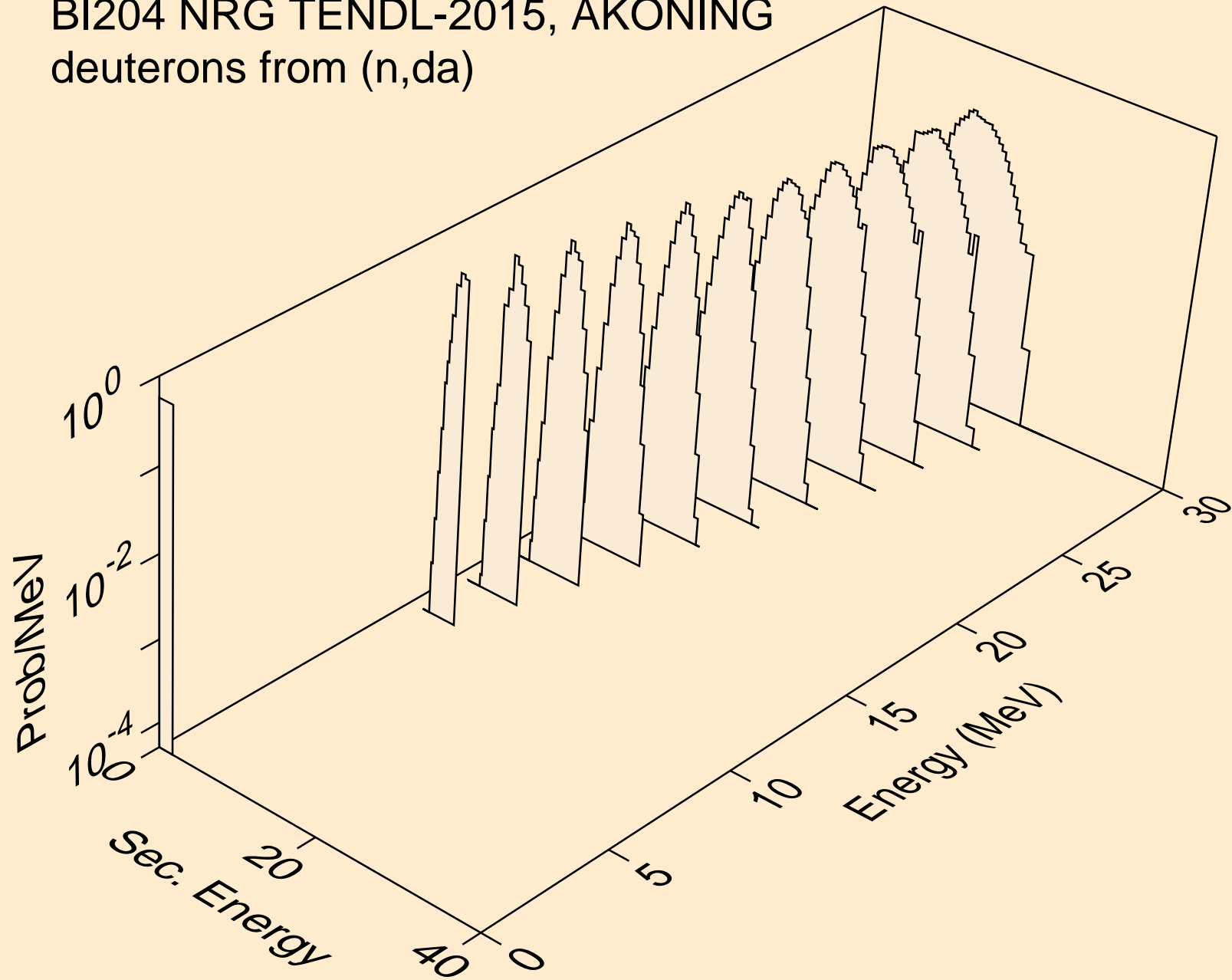
BI204 NRG TENDL-2015, AKONING  
deuterons from (n,d)



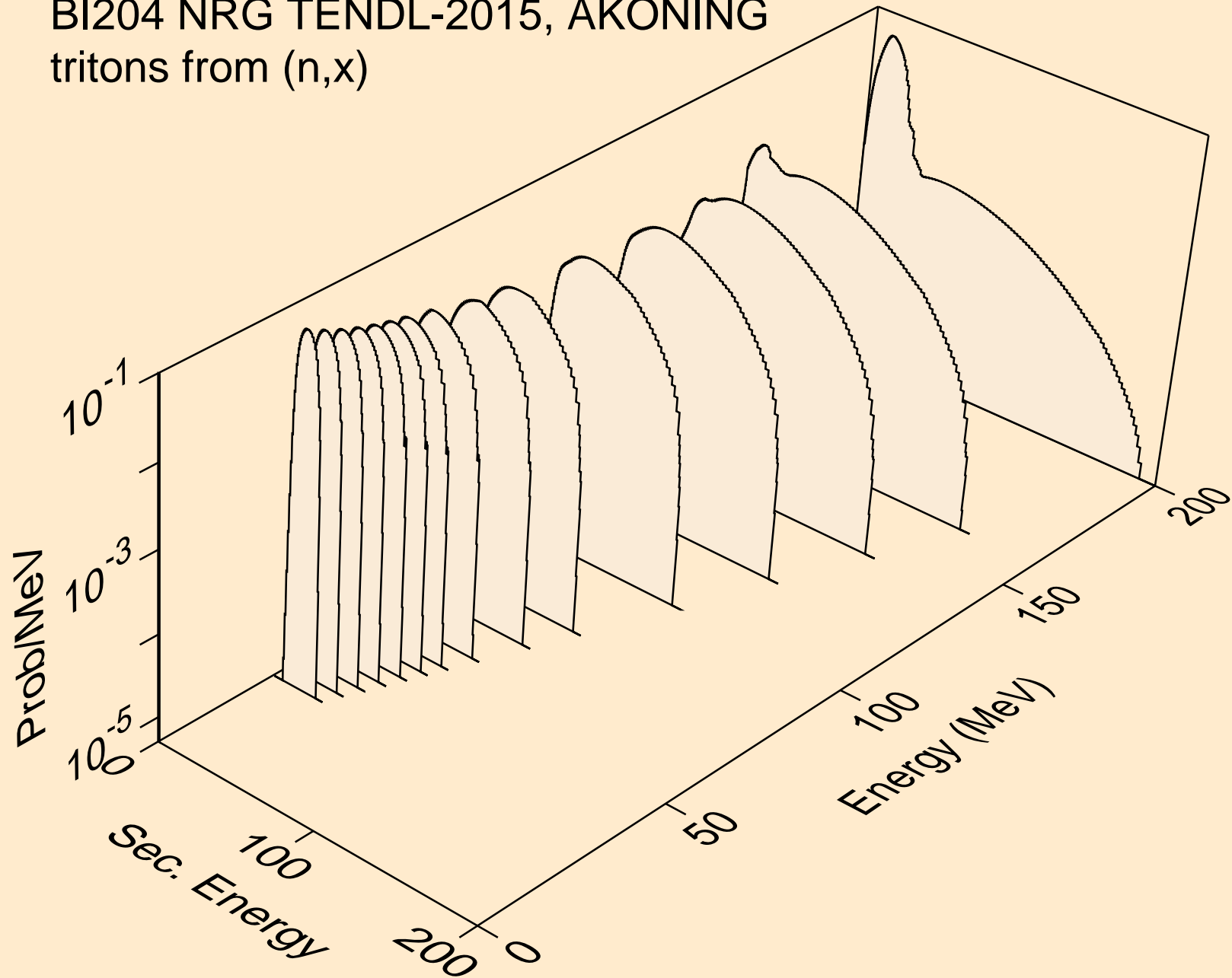
BI204 NRG TENDL-2015, AKONING  
deuterons from (n,pd)



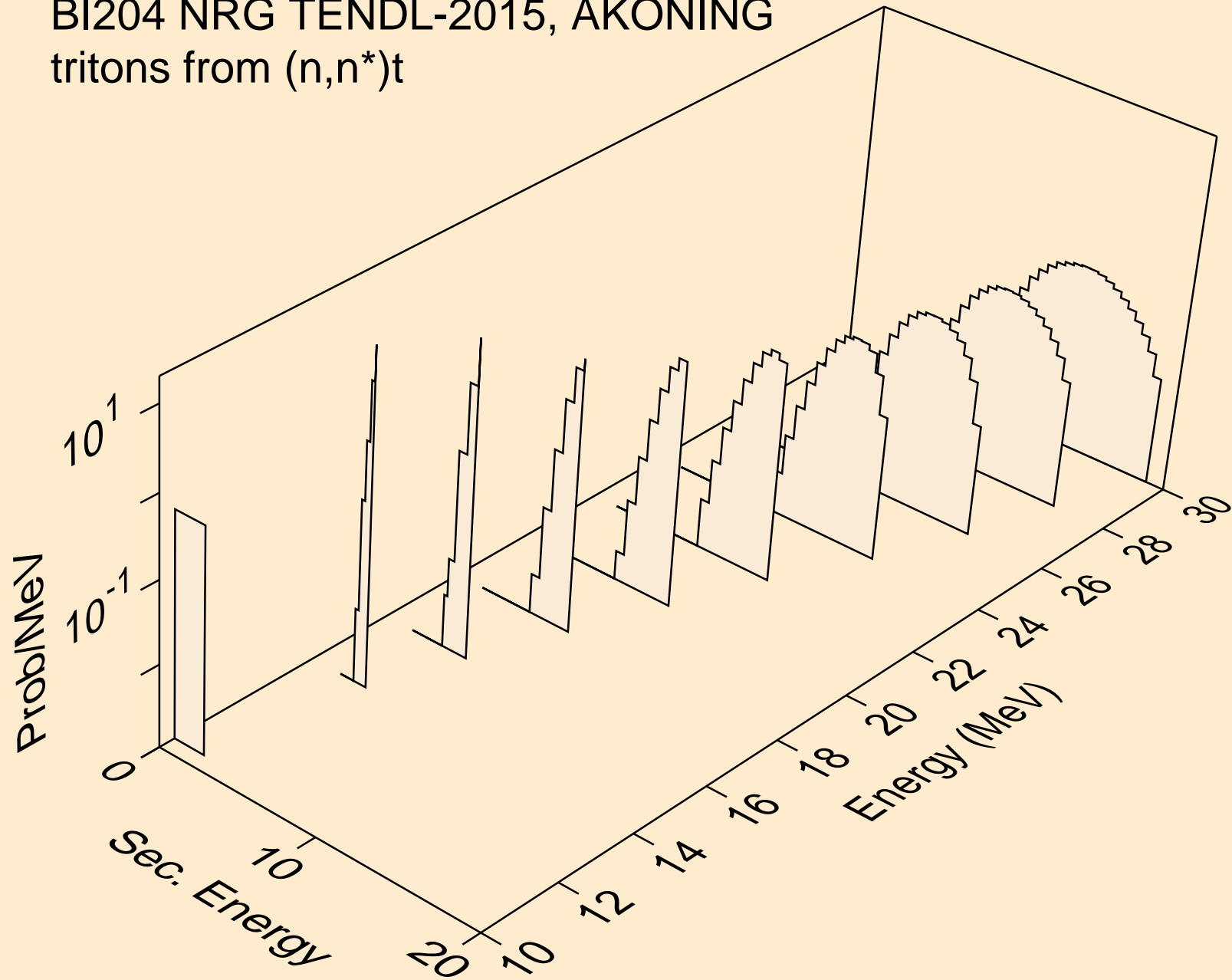
BI204 NRG TENDL-2015, AKONING  
deuterons from (n,da)



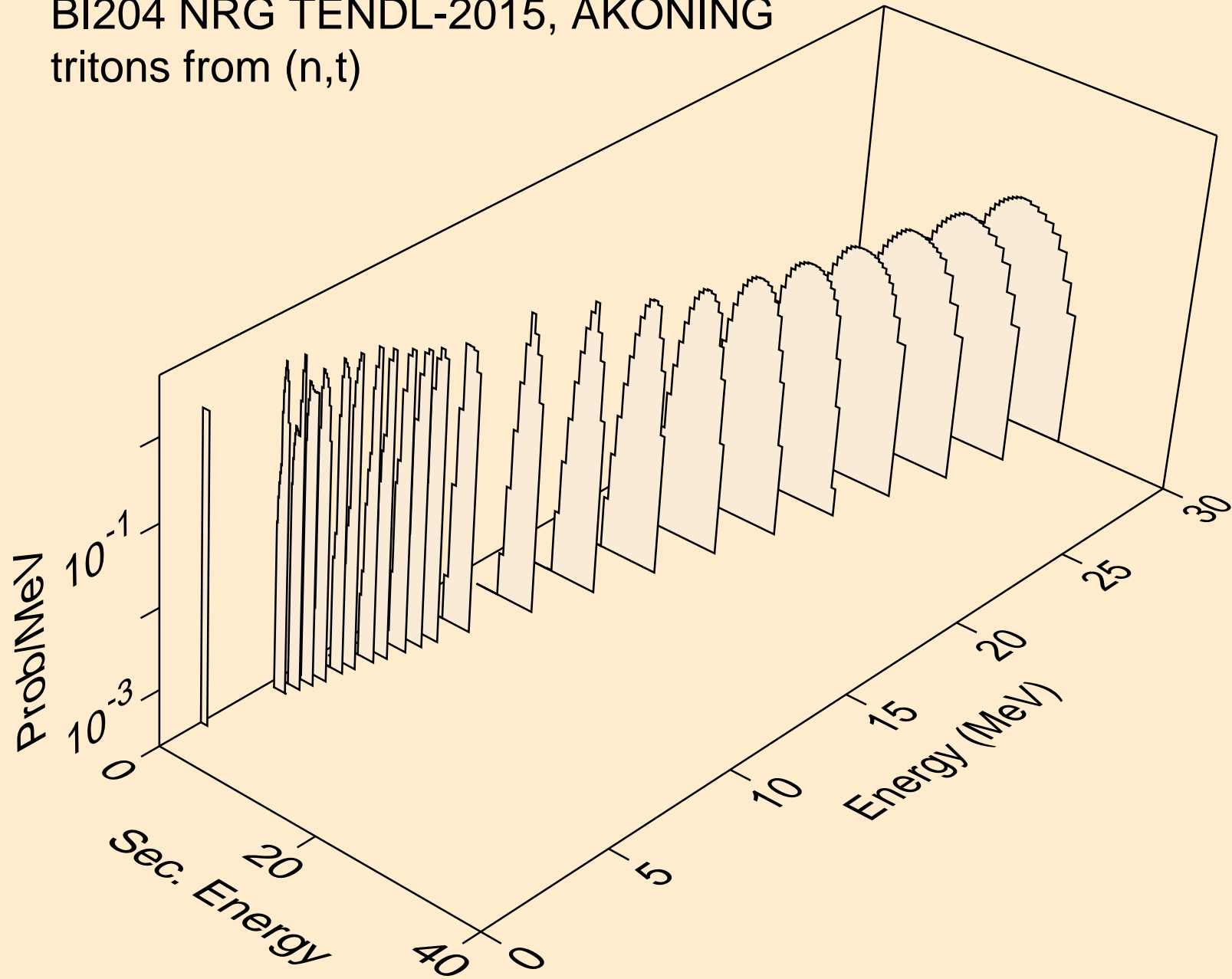
BI204 NRG TENDL-2015, AKONING  
tritons from (n,x)



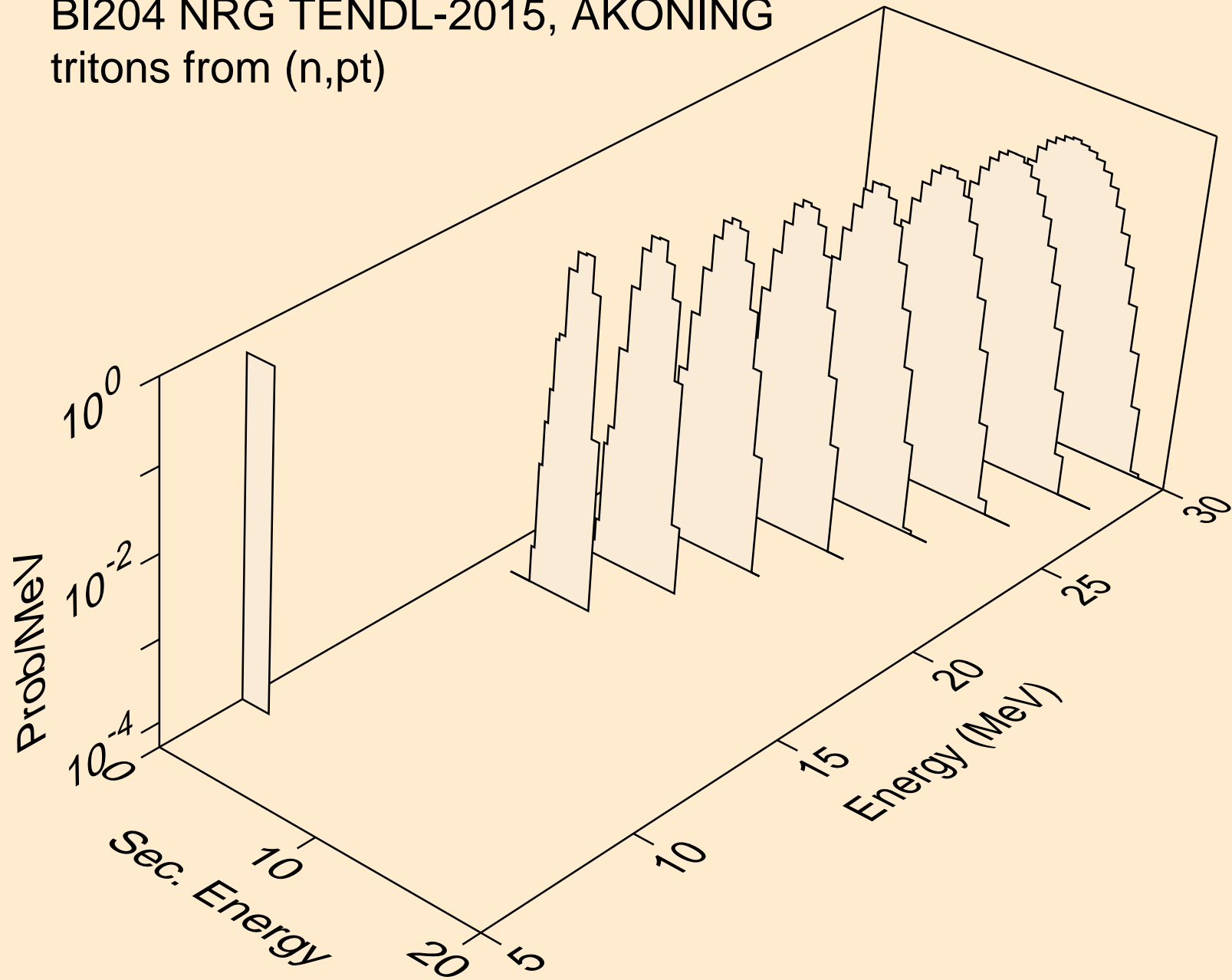
BI204 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



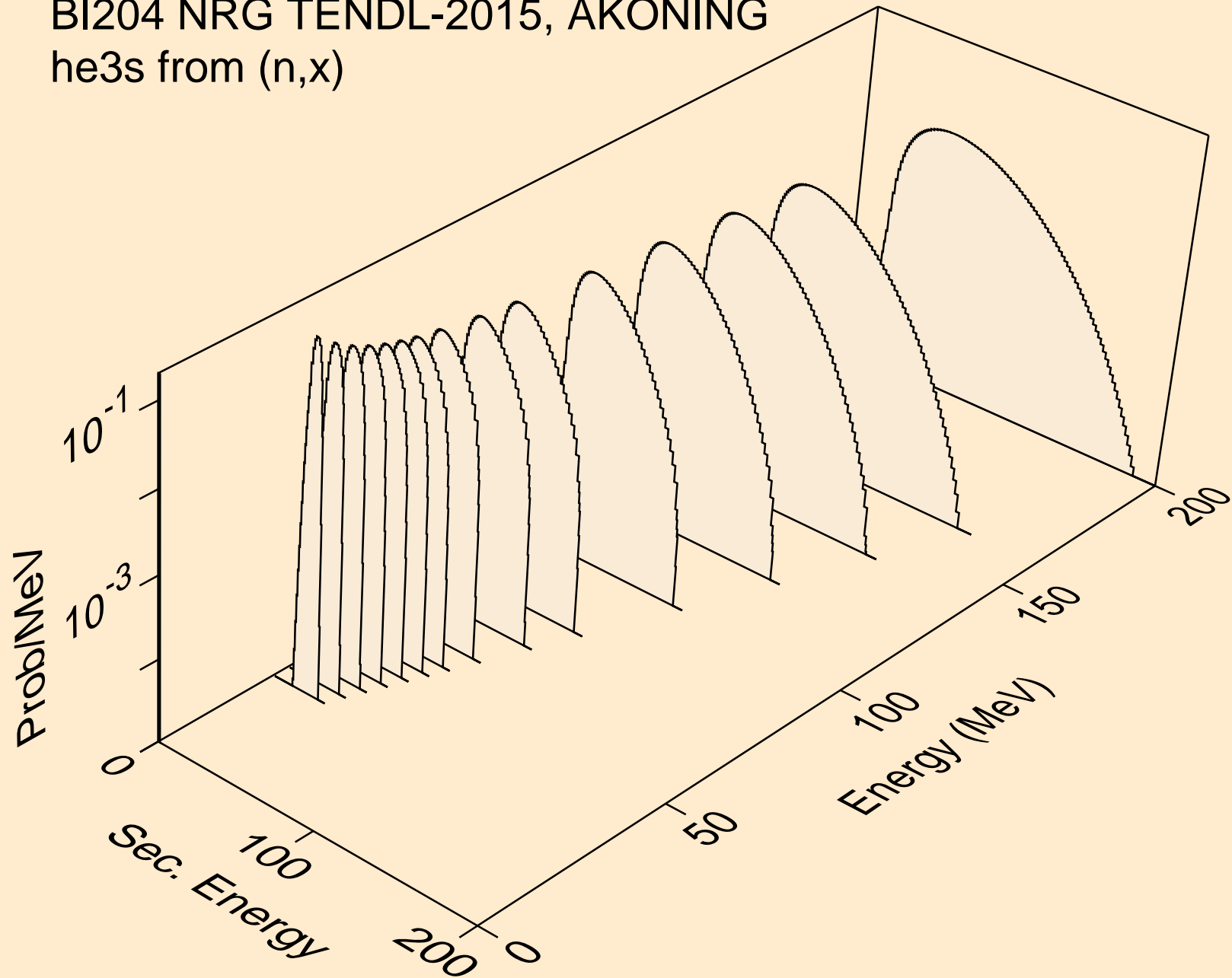
BI204 NRG TENDL-2015, AKONING  
tritons from (n,t)



BI204 NRG TENDL-2015, AKONING  
tritons from (n,pt)

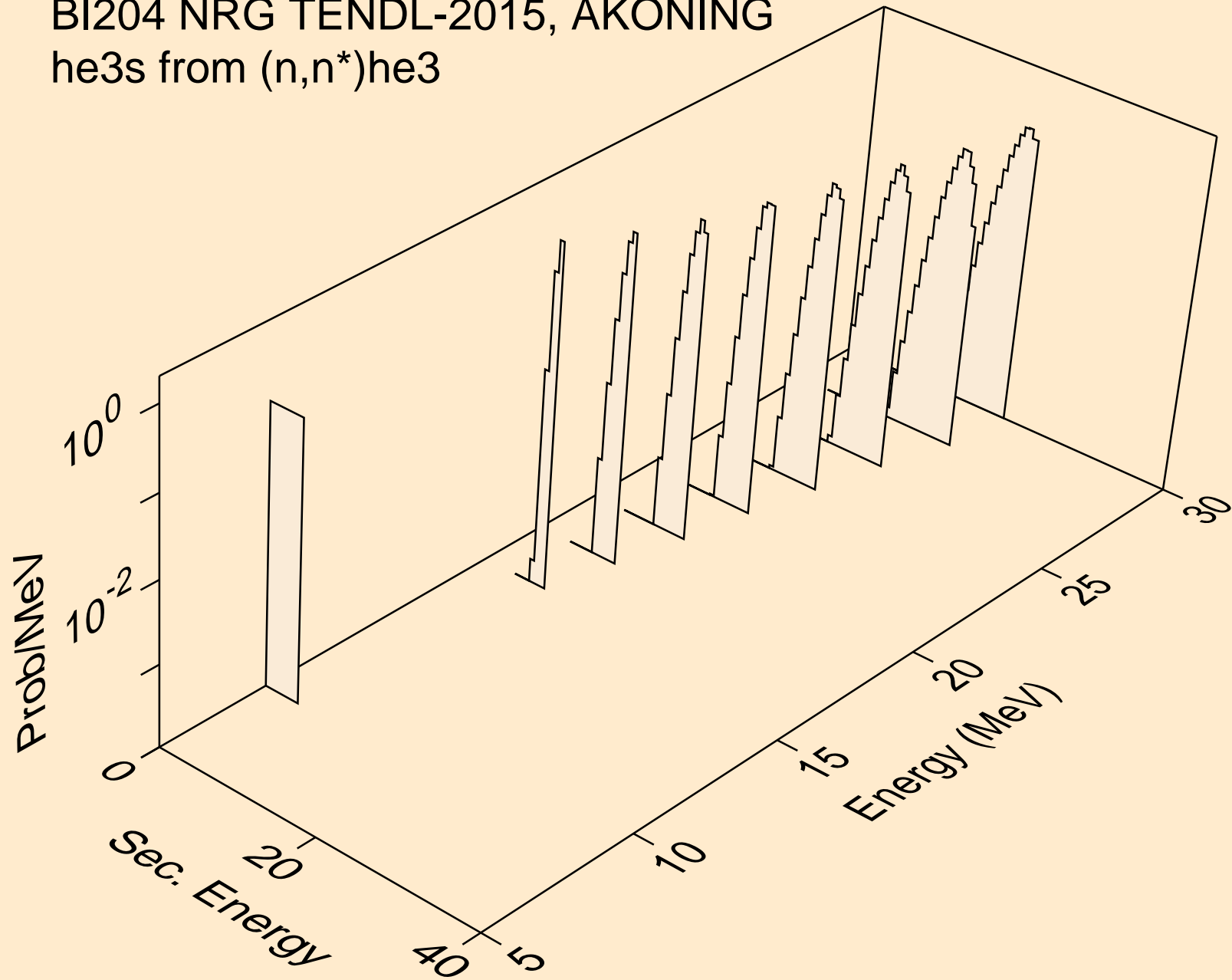


BI204 NRG TENDL-2015, AKONING  
he3s from (n,x)

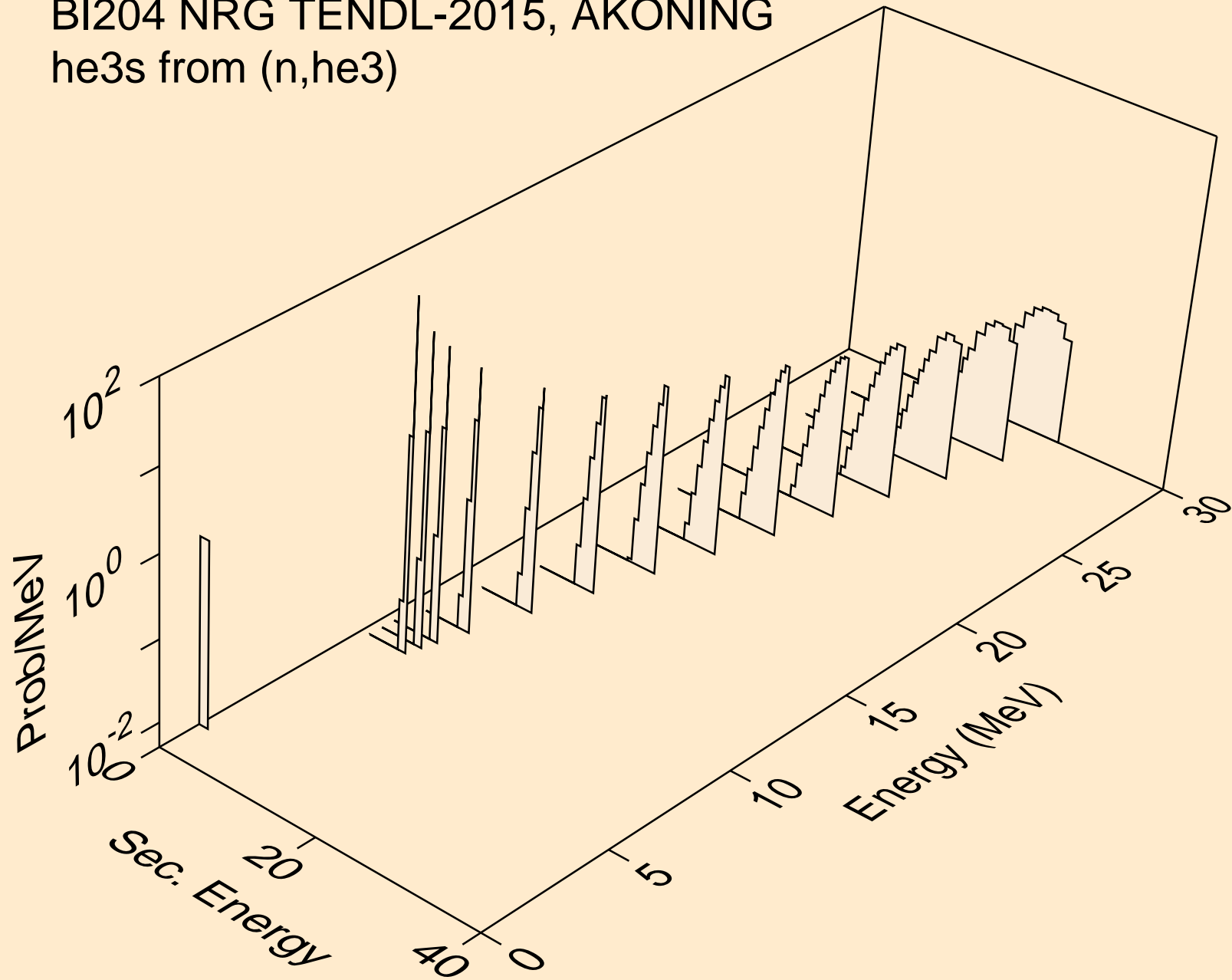




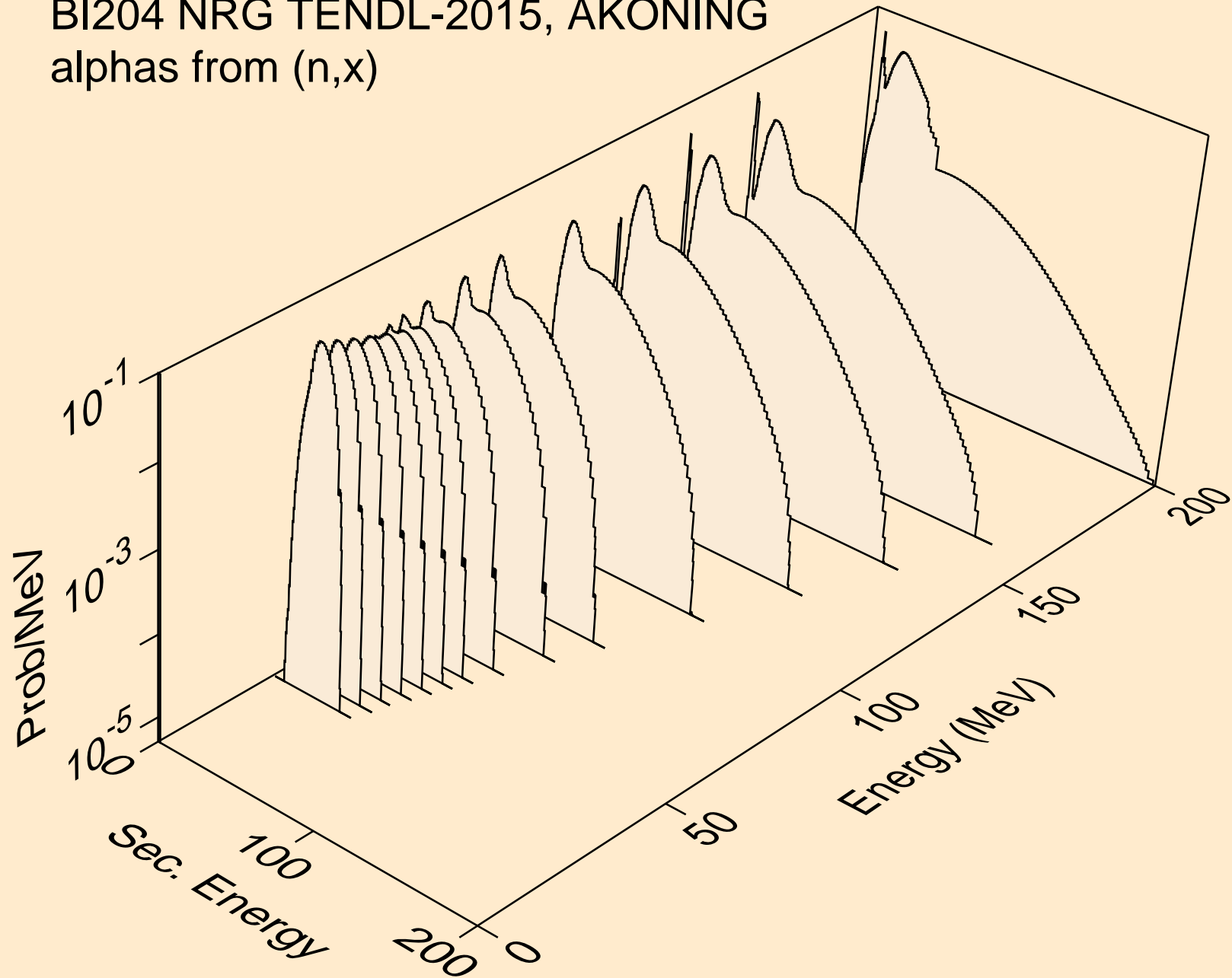
BI204 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



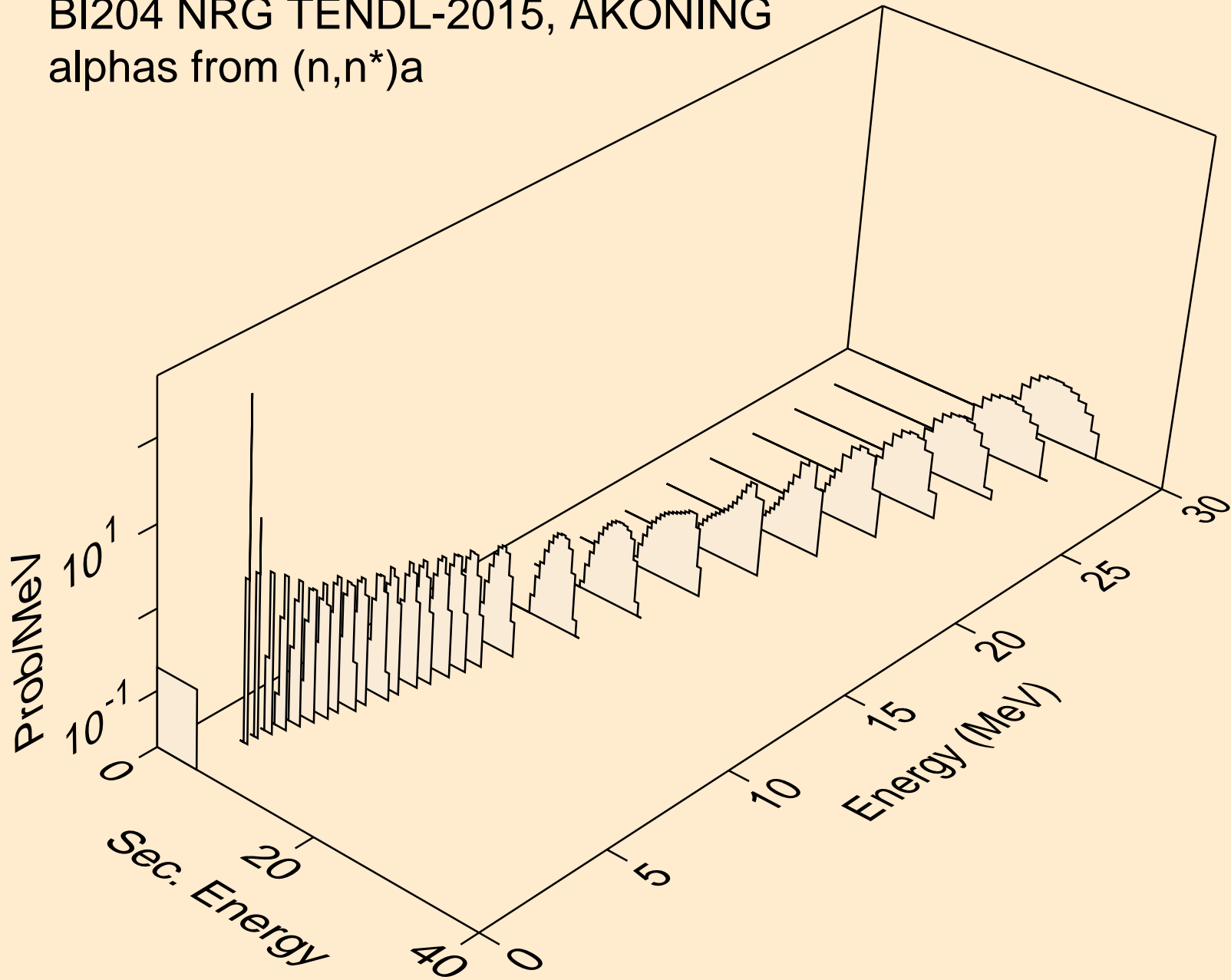
BI204 NRG TENDL-2015, AKONING  
he3s from (n,he3)



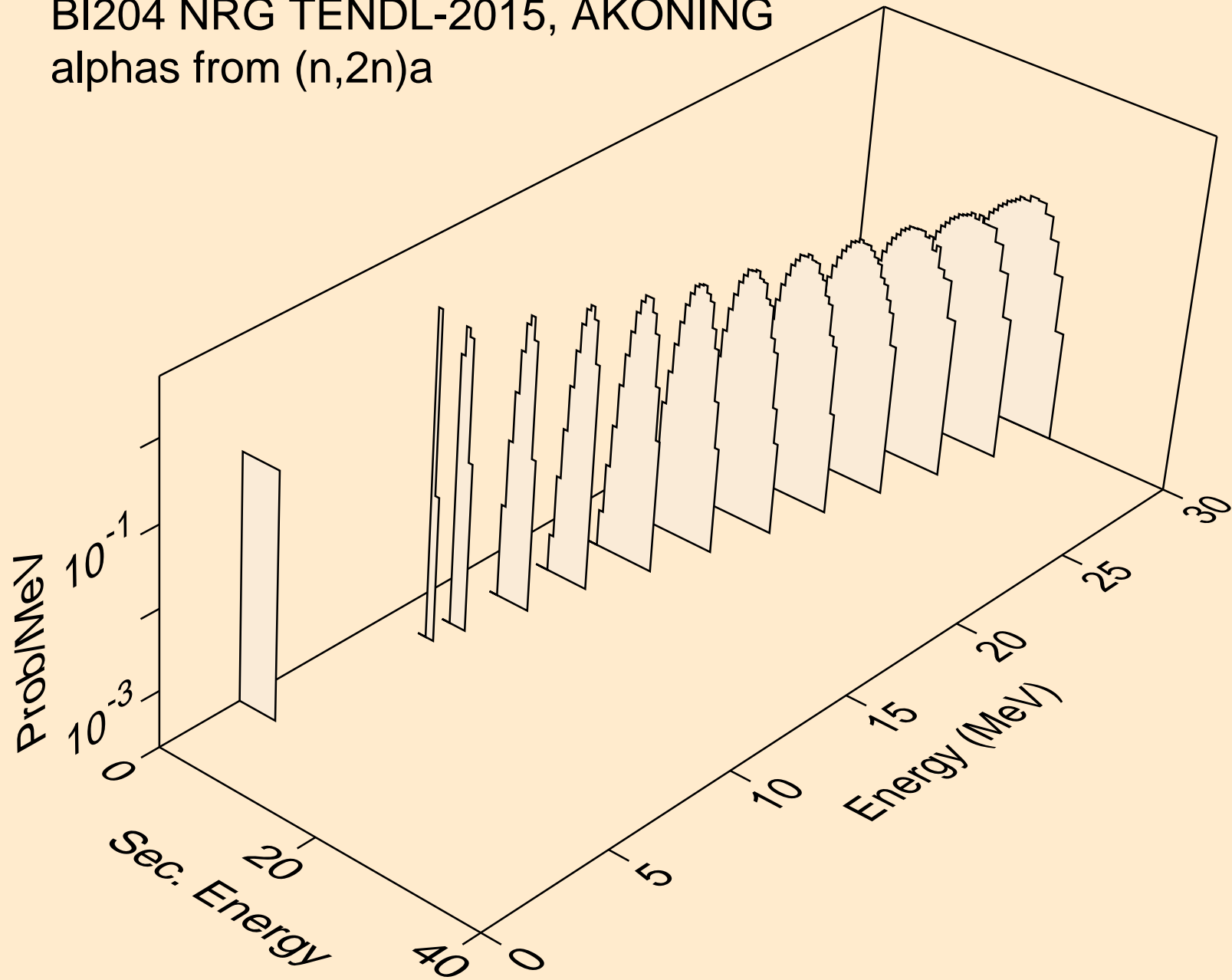
BI204 NRG TENDL-2015, AKONING  
alphas from (n,x)



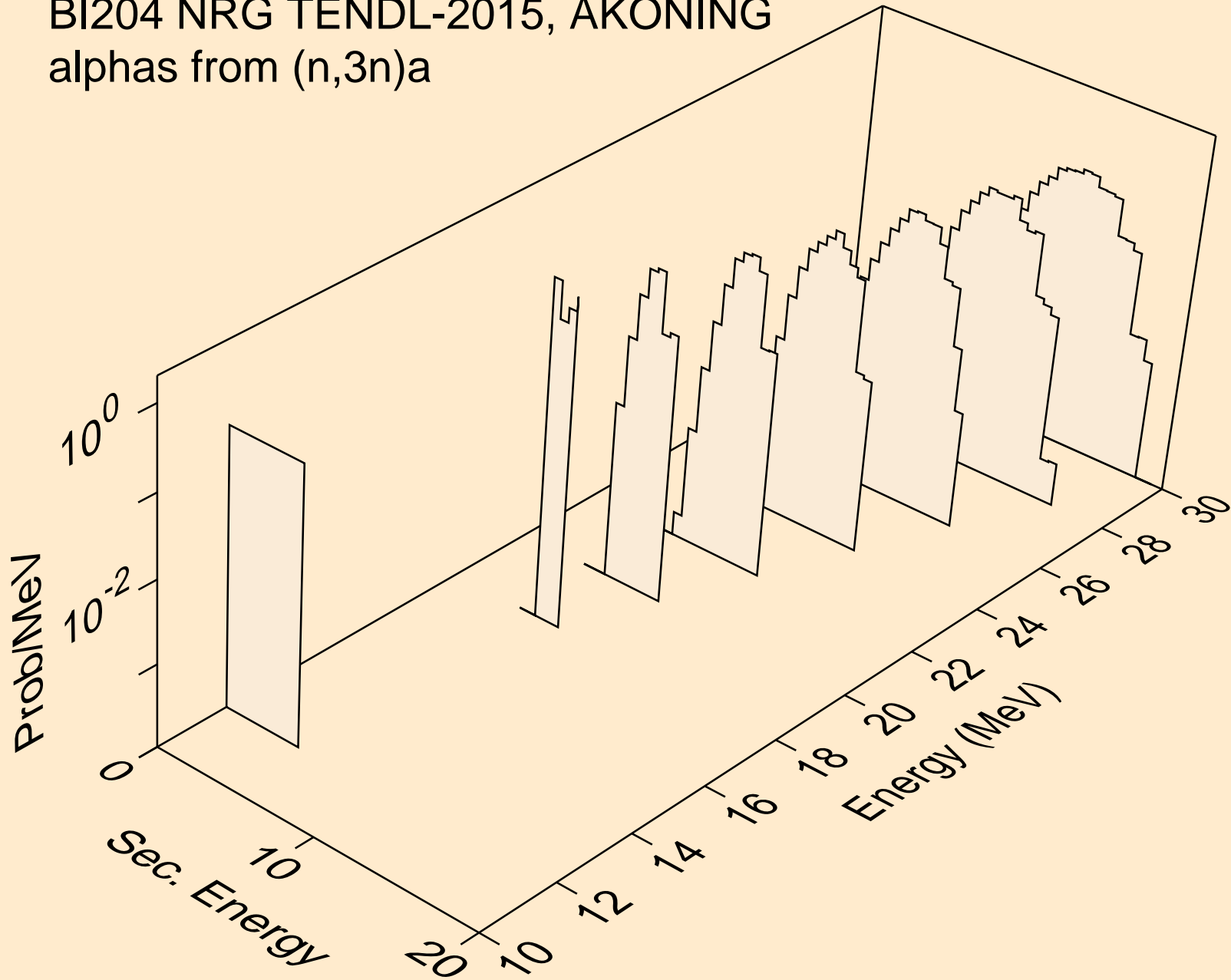
BI204 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



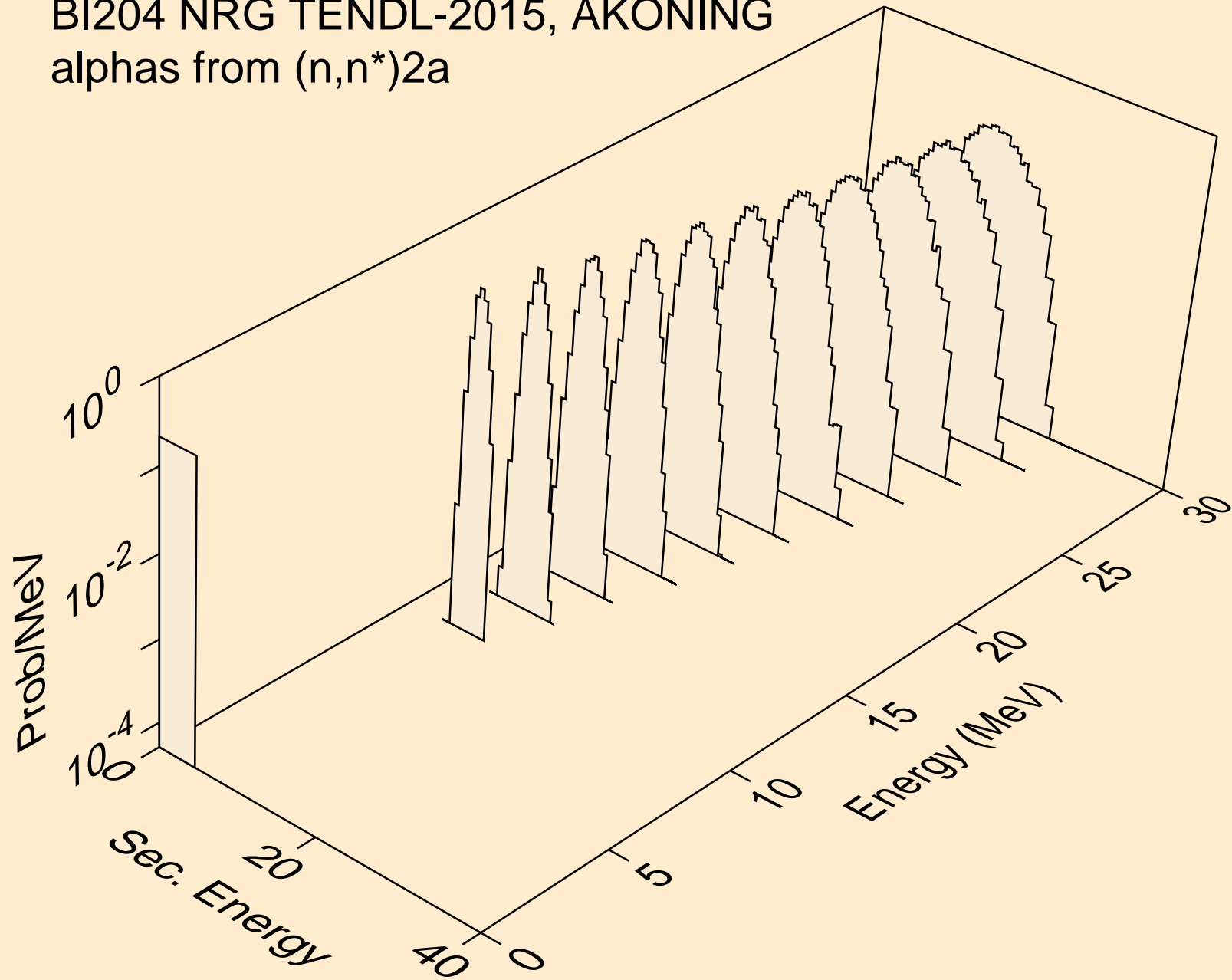
BI204 NRG TENDL-2015, AKONING  
alphas from (n,2n)a



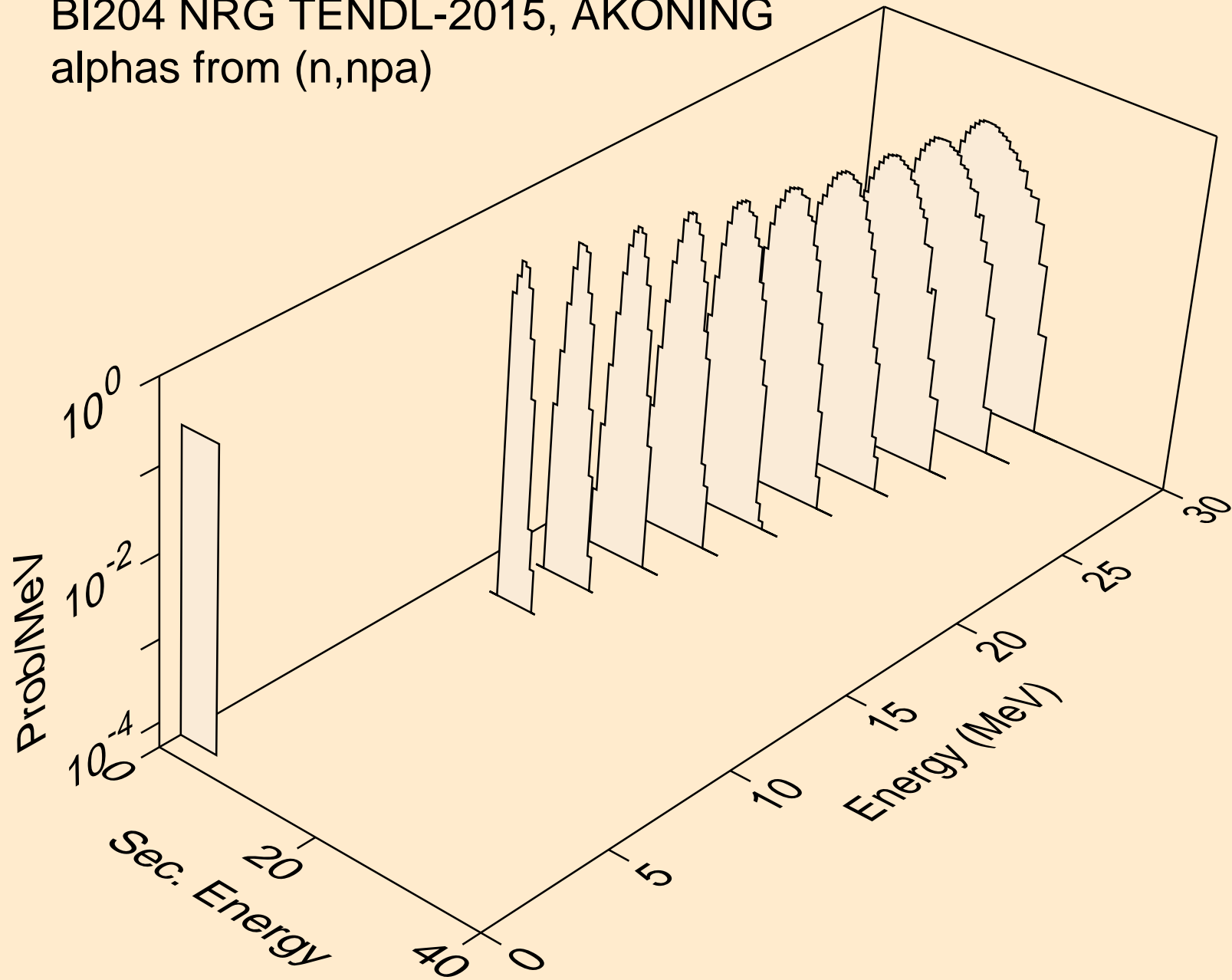
BI204 NRG TENDL-2015, AKONING  
alphas from (n,3n)a



BI204 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a

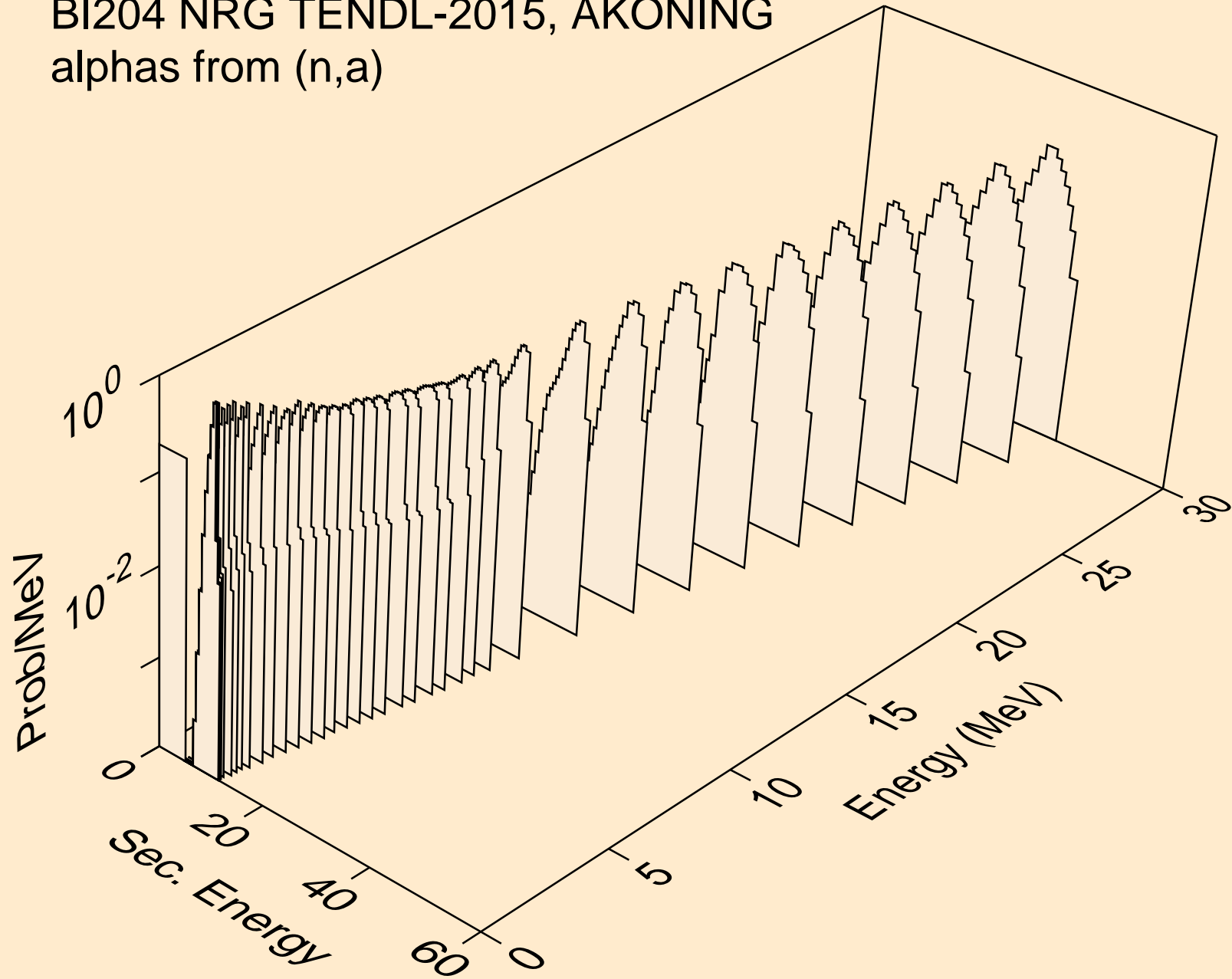


BI204 NRG TENDL-2015, AKONING  
alphas from (n,npa)

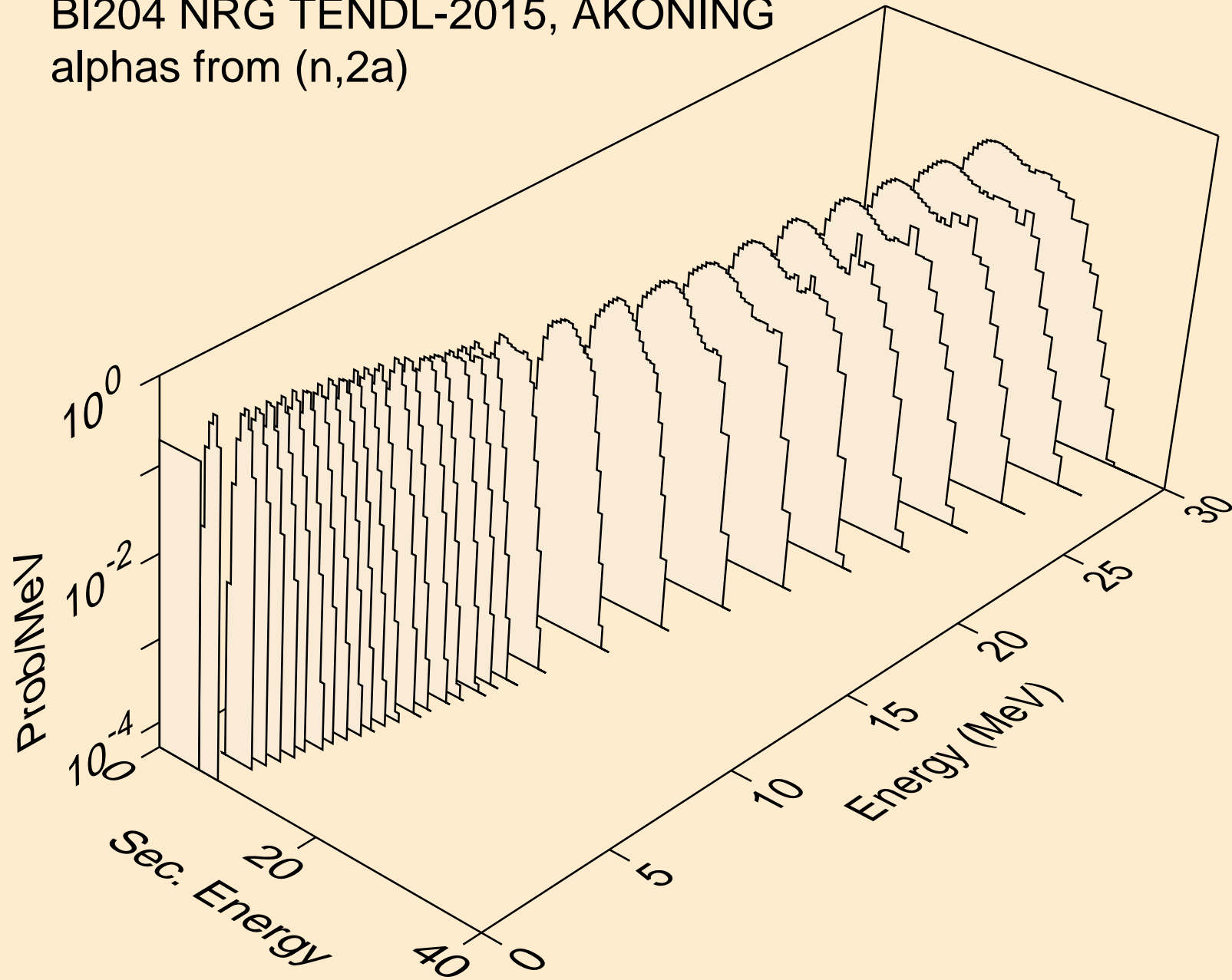




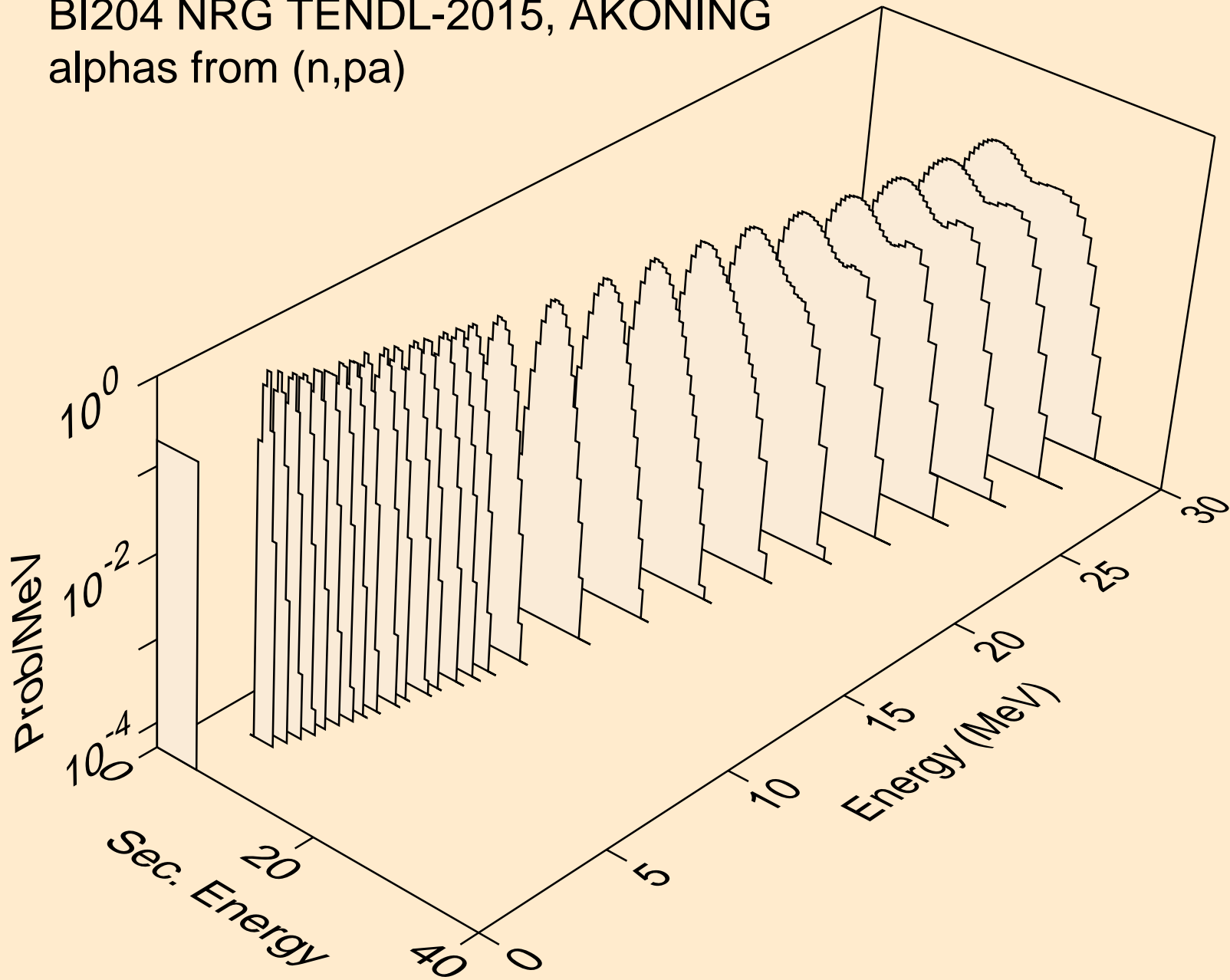
BI204 NRG TENDL-2015, AKONING  
alphas from (n,a)



BI204 NRG TENDL-2015, AKONING  
alphas from (n,2a)



BI204 NRG TENDL-2015, AKONING  
alphas from (n,pa)



BI204 NRG TENDL-2015, AKONING  
alphas from (n,da)

