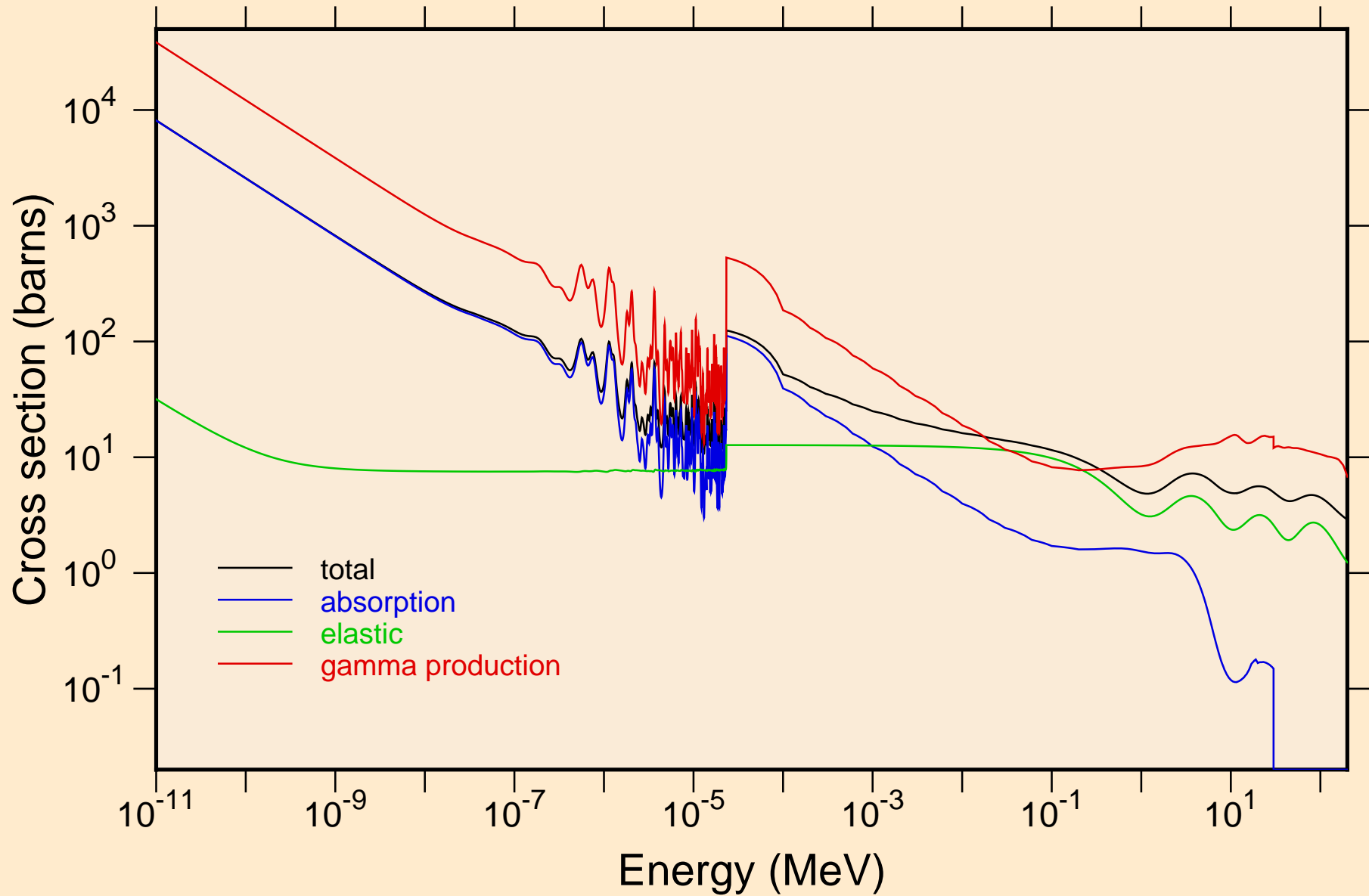
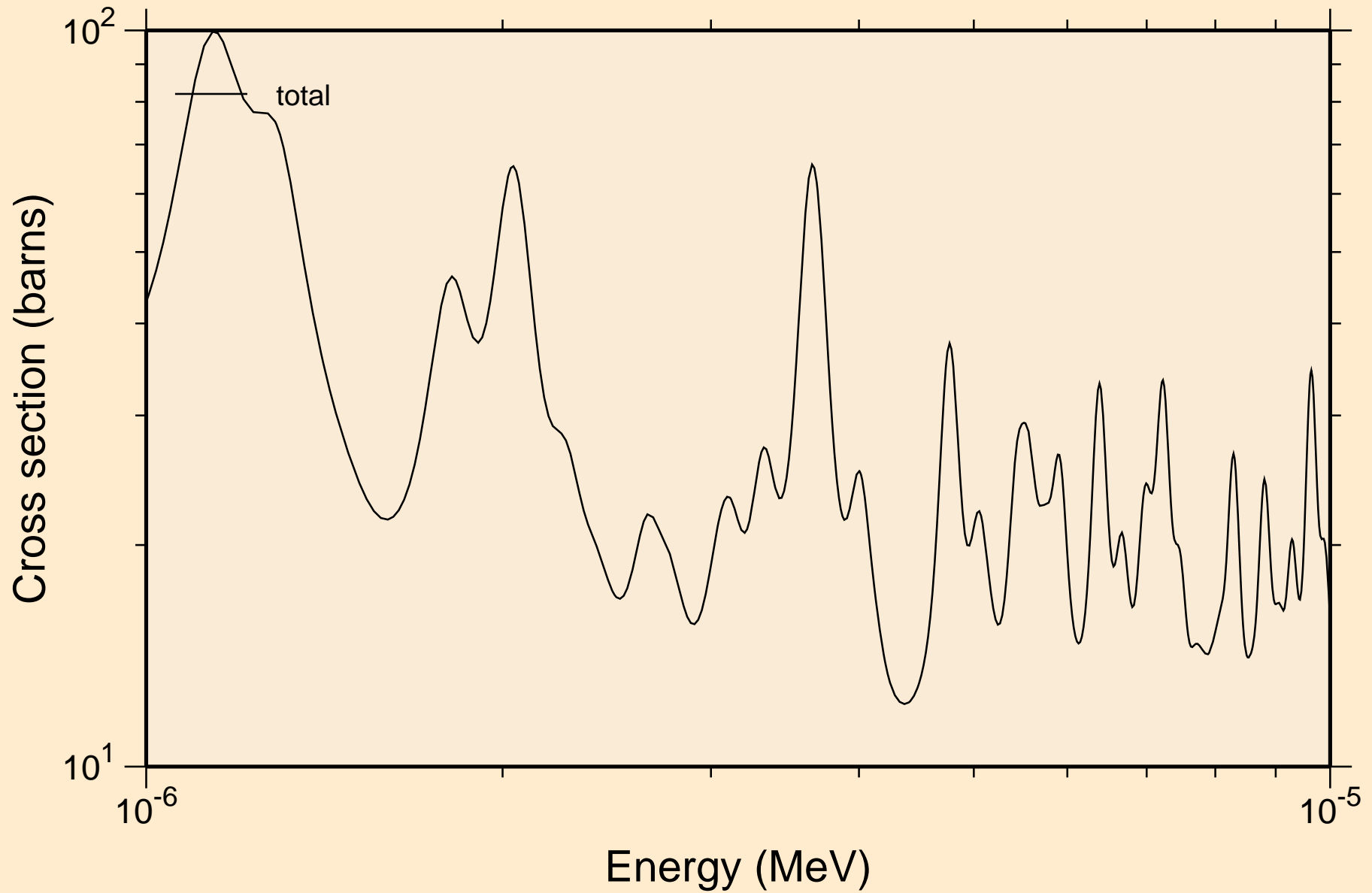


# BI196 NRG TENDL-2015, AKONING

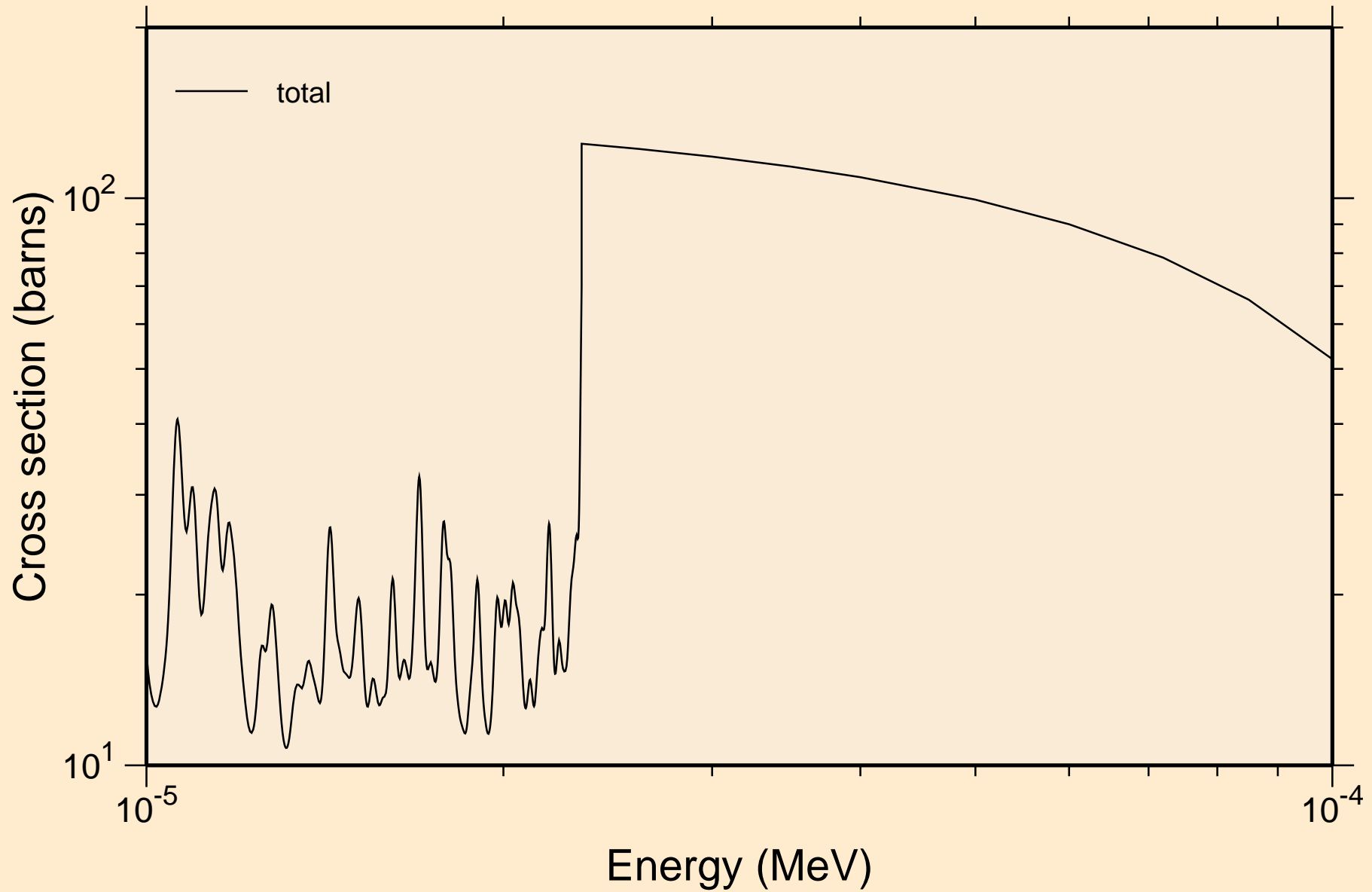
## Principal cross sections



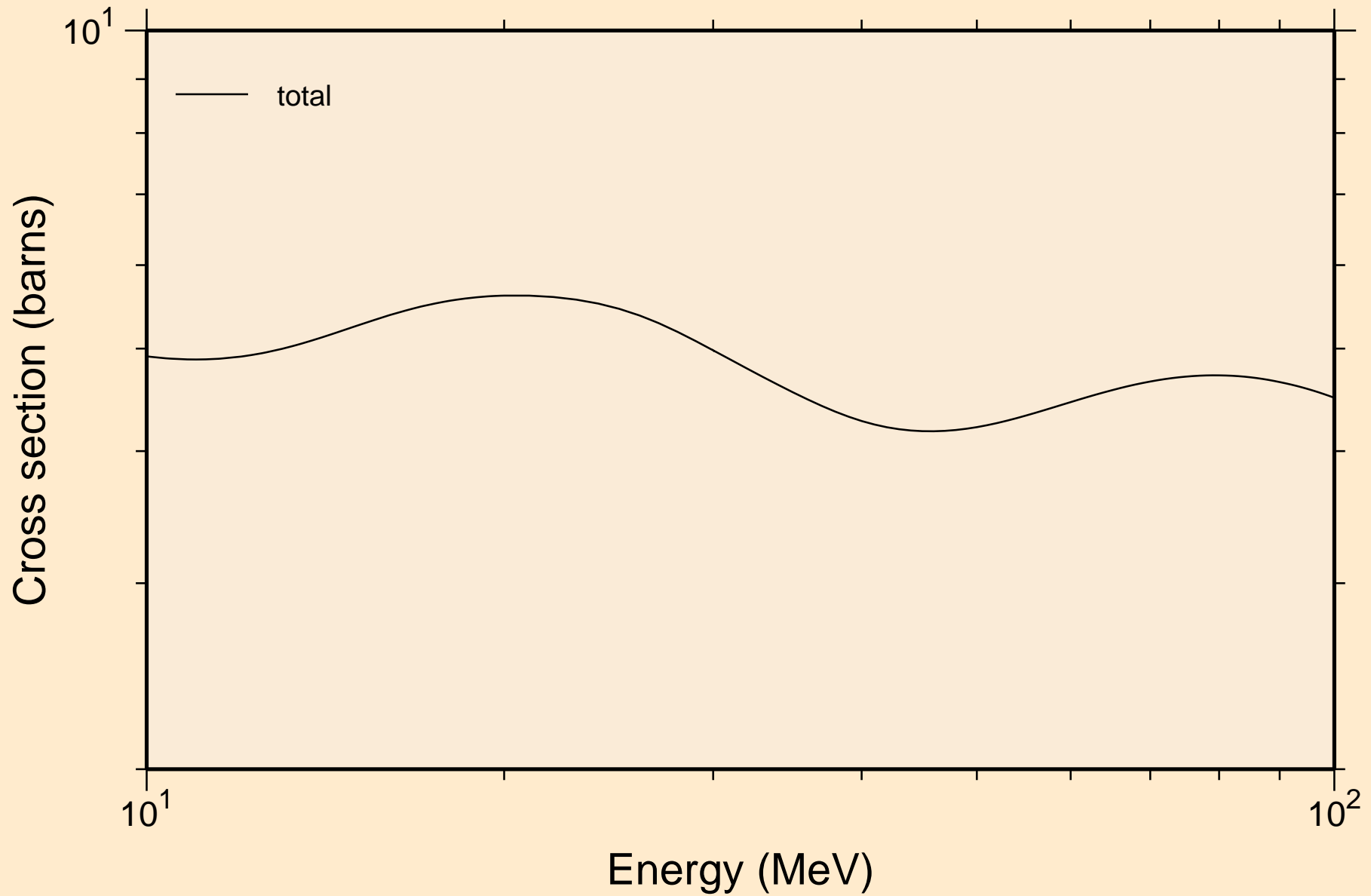
BI196 NRG TENDL-2015, AKONING  
resonance total cross section



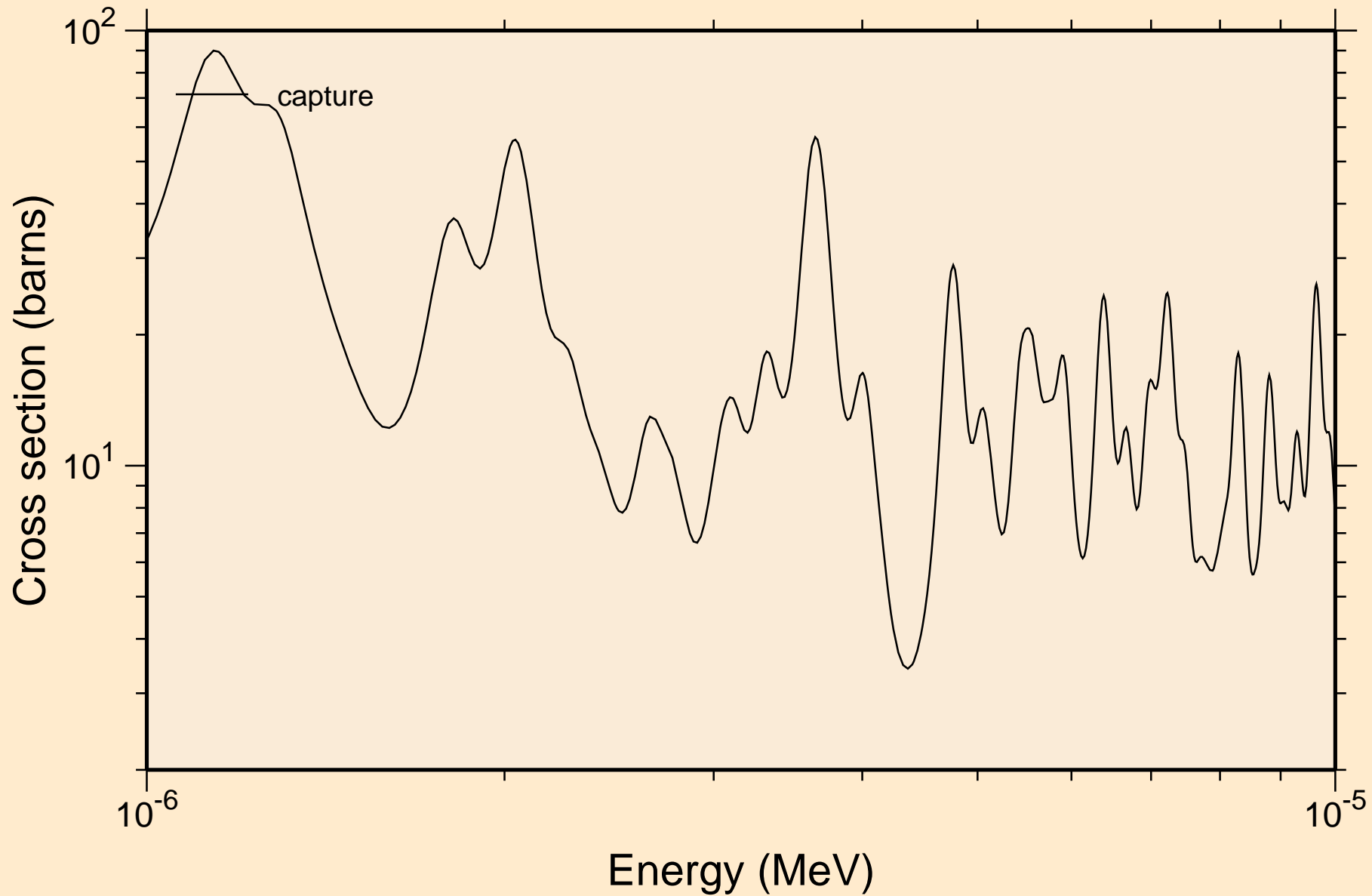
BI196 NRG TENDL-2015, AKONING  
resonance total cross section



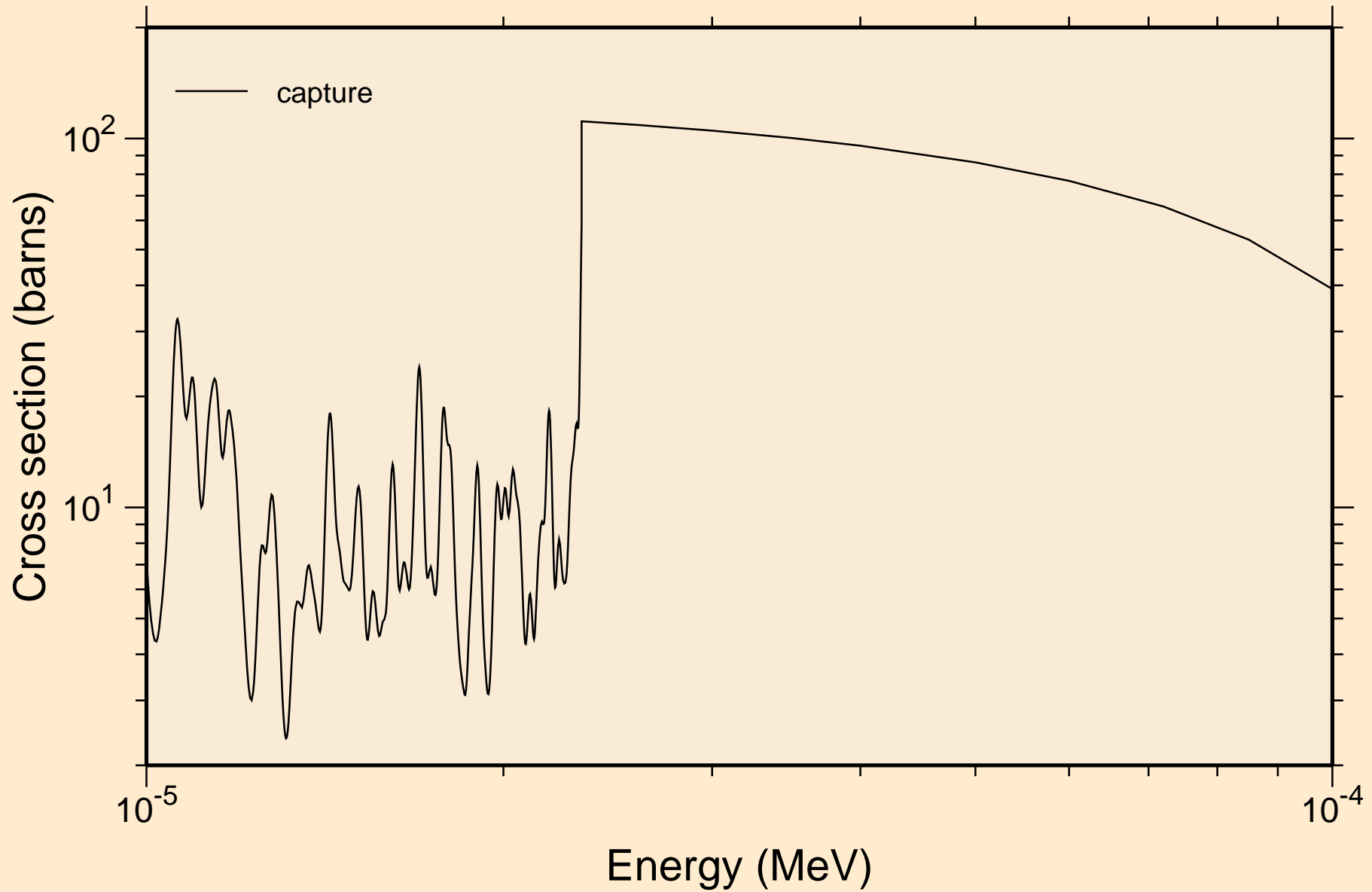
BI196 NRG TENDL-2015, AKONING  
resonance total cross section



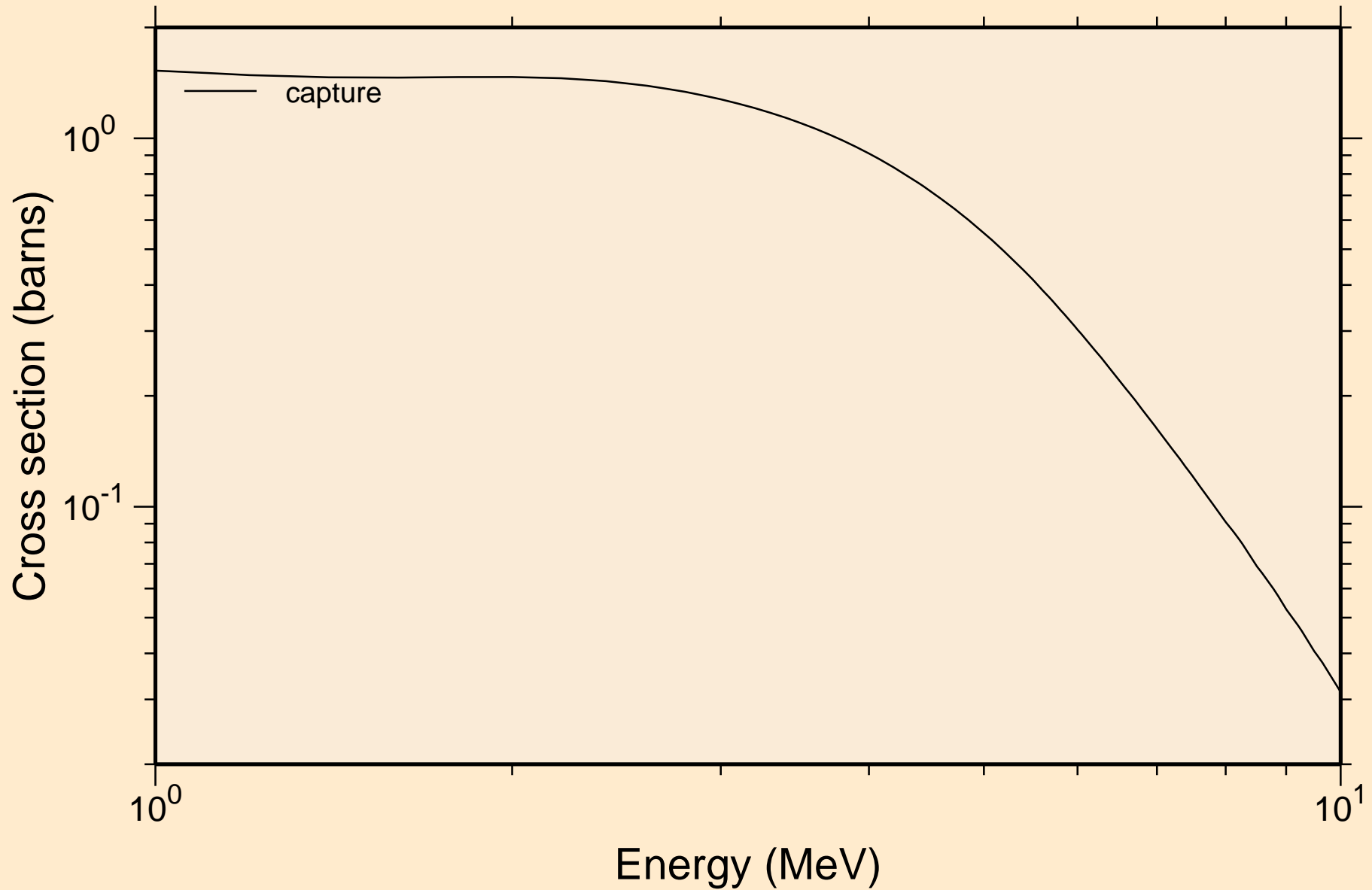
BI196 NRG TENDL-2015, AKONING  
resonance absorption cross sections



BI196 NRG TENDL-2015, AKONING  
resonance absorption cross sections

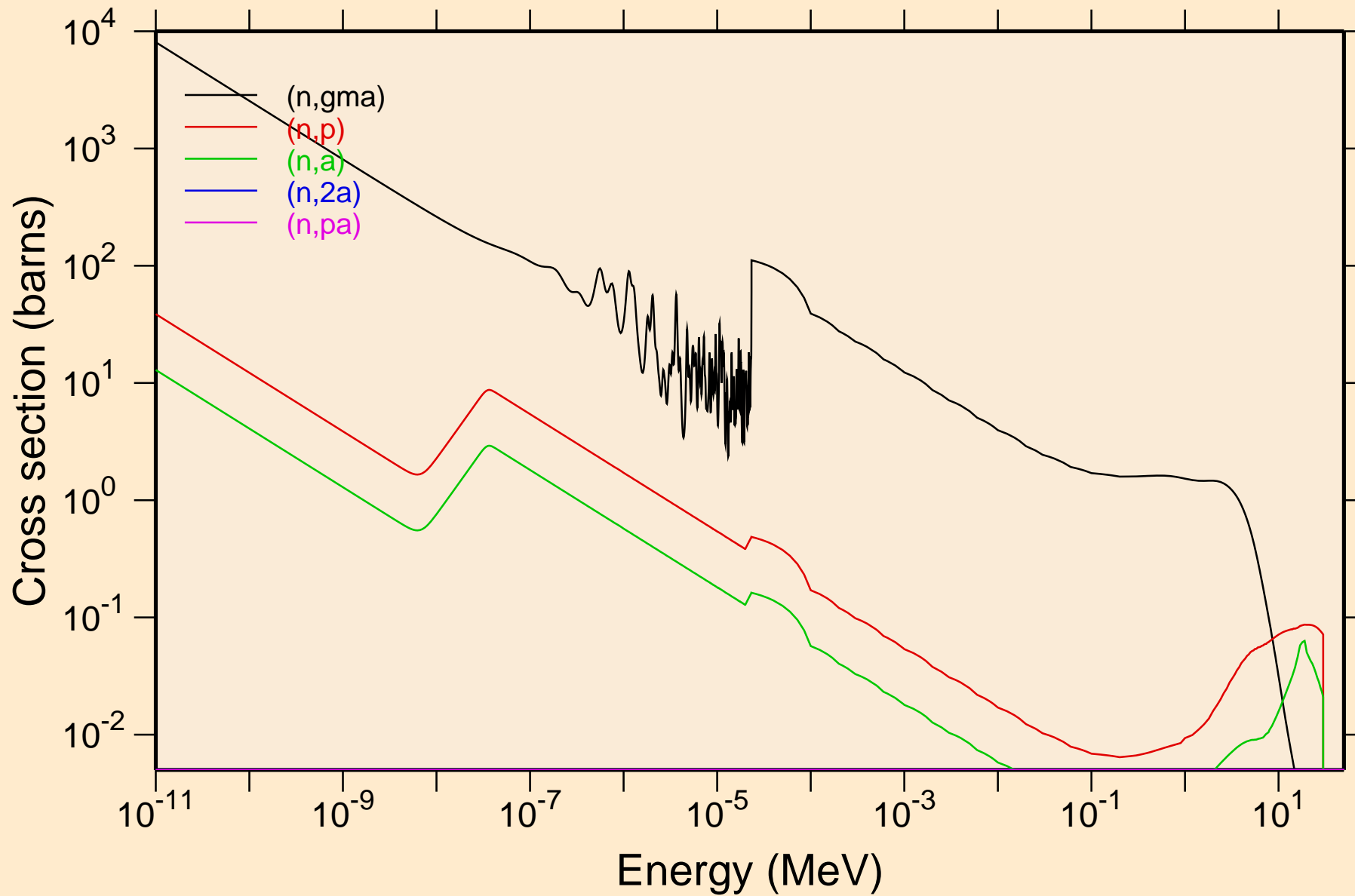


BI196 NRG TENDL-2015, AKONING  
resonance absorption cross sections



# BI196 NRG TENDL-2015, AKONING

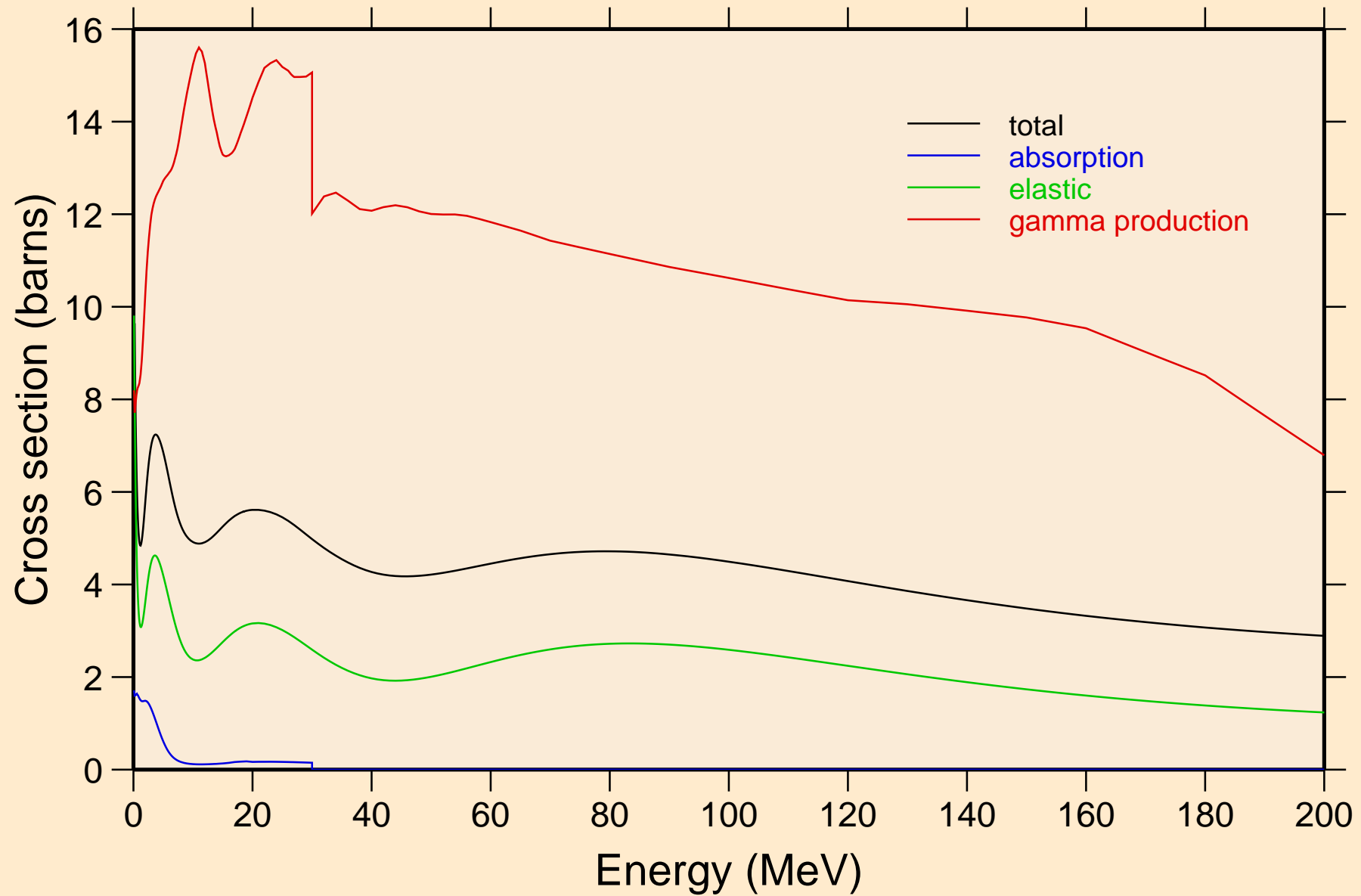
## Non-threshold reactions





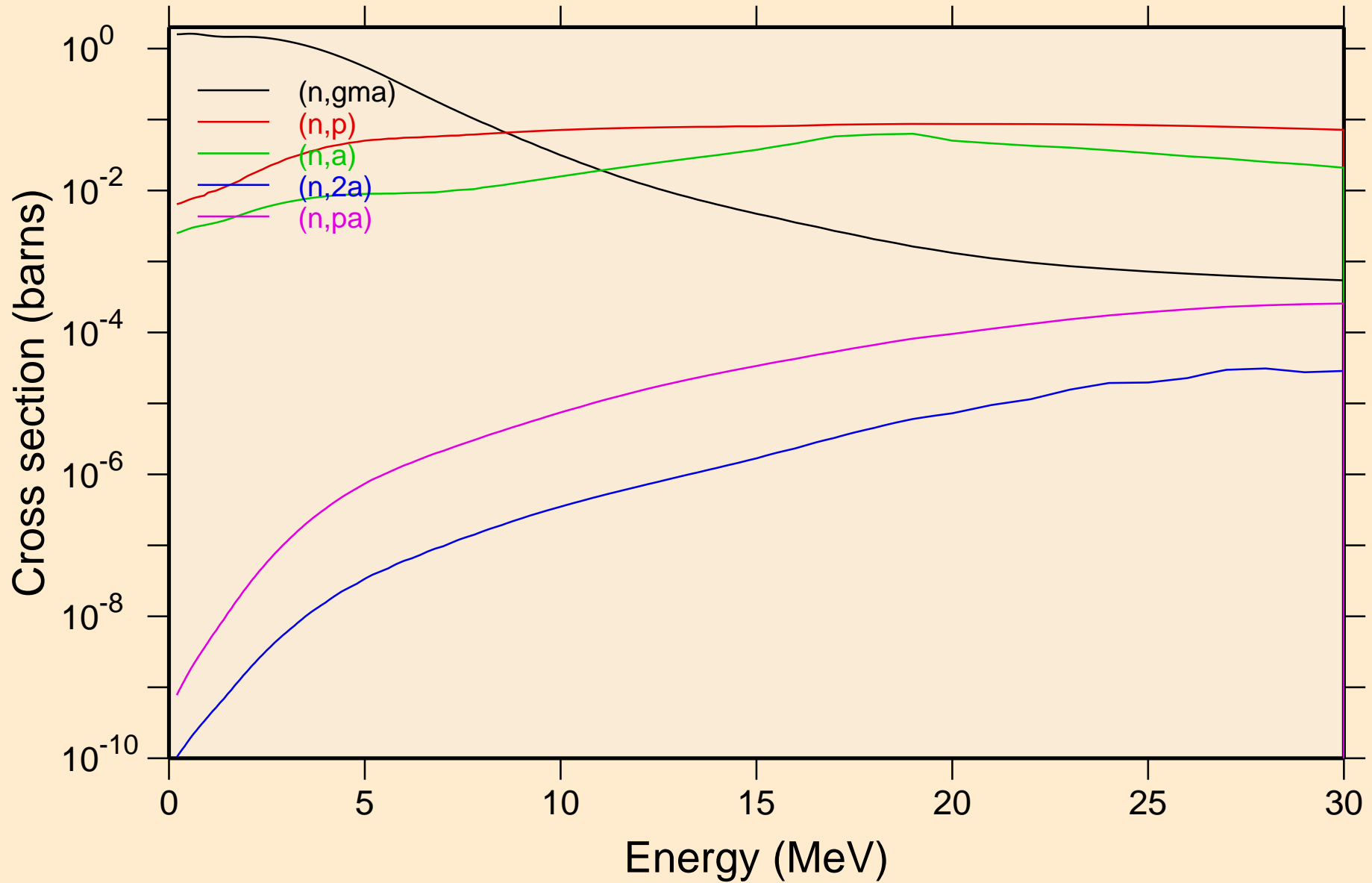
# BI196 NRG TENDL-2015, AKONING

## Principal cross sections



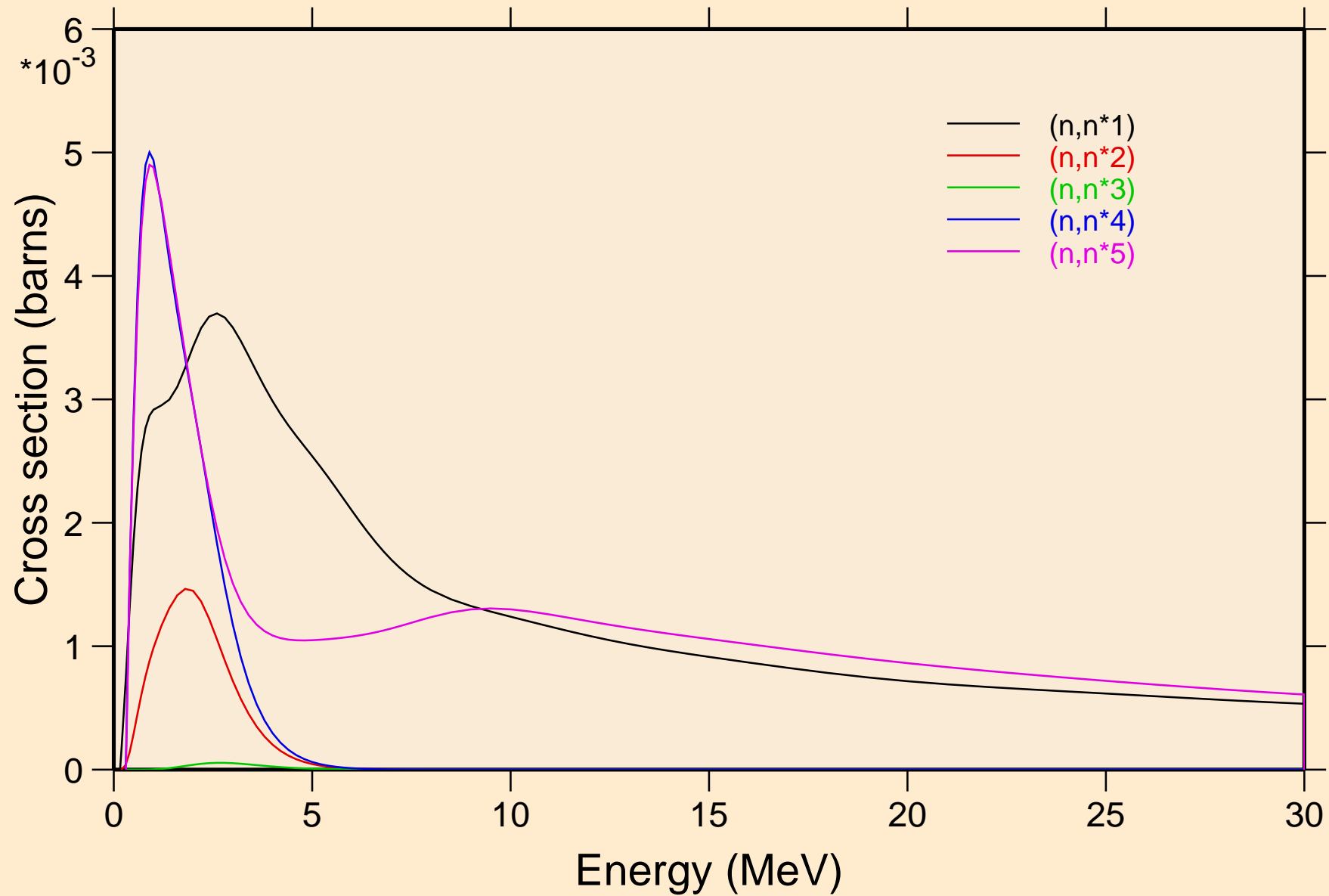
# BI196 NRG TENDL-2015, AKONING

## Non-threshold reactions



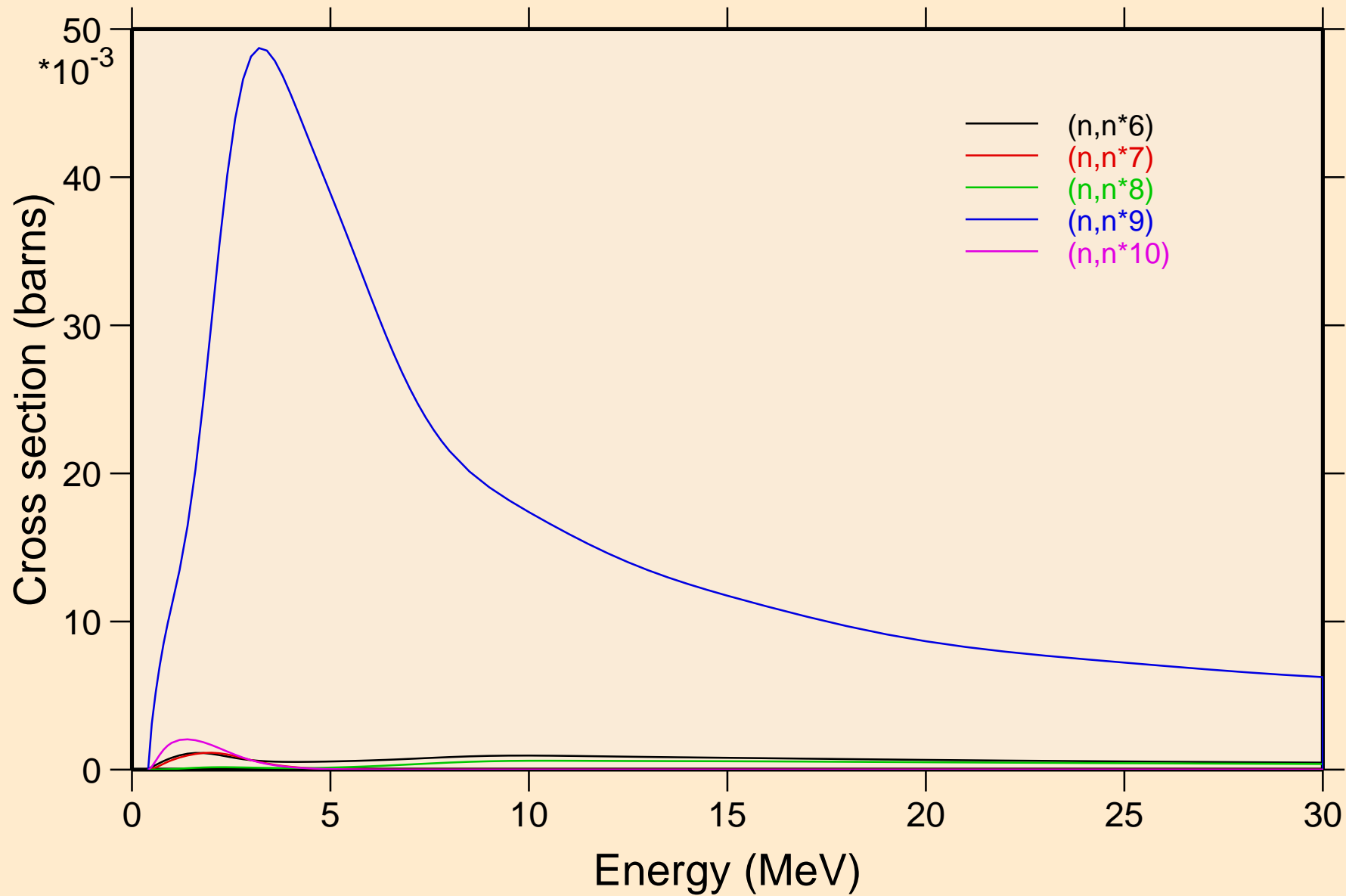
# BI196 NRG TENDL-2015, AKONING

## Inelastic levels

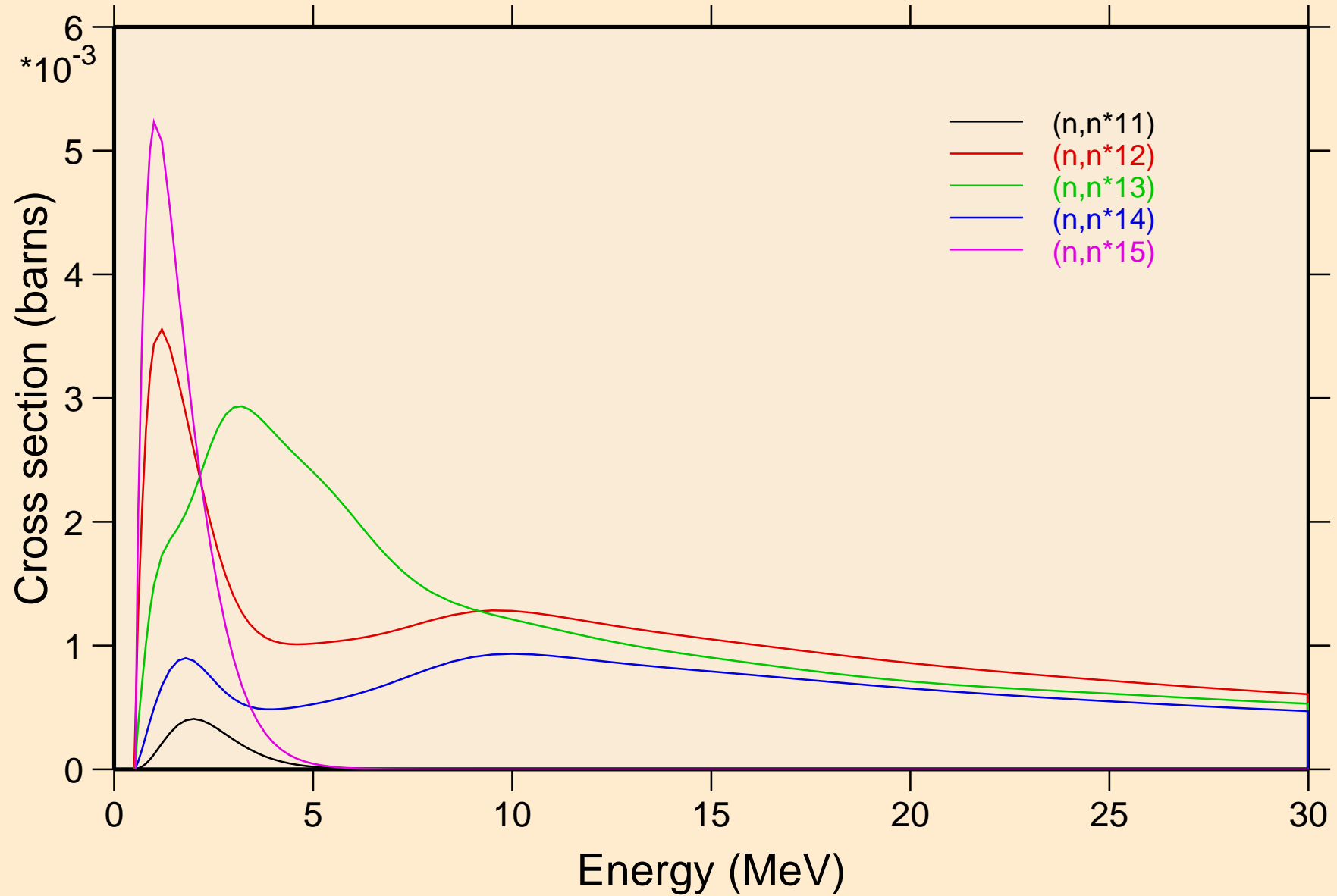


# BI196 NRG TENDL-2015, AKONING

## Inelastic levels

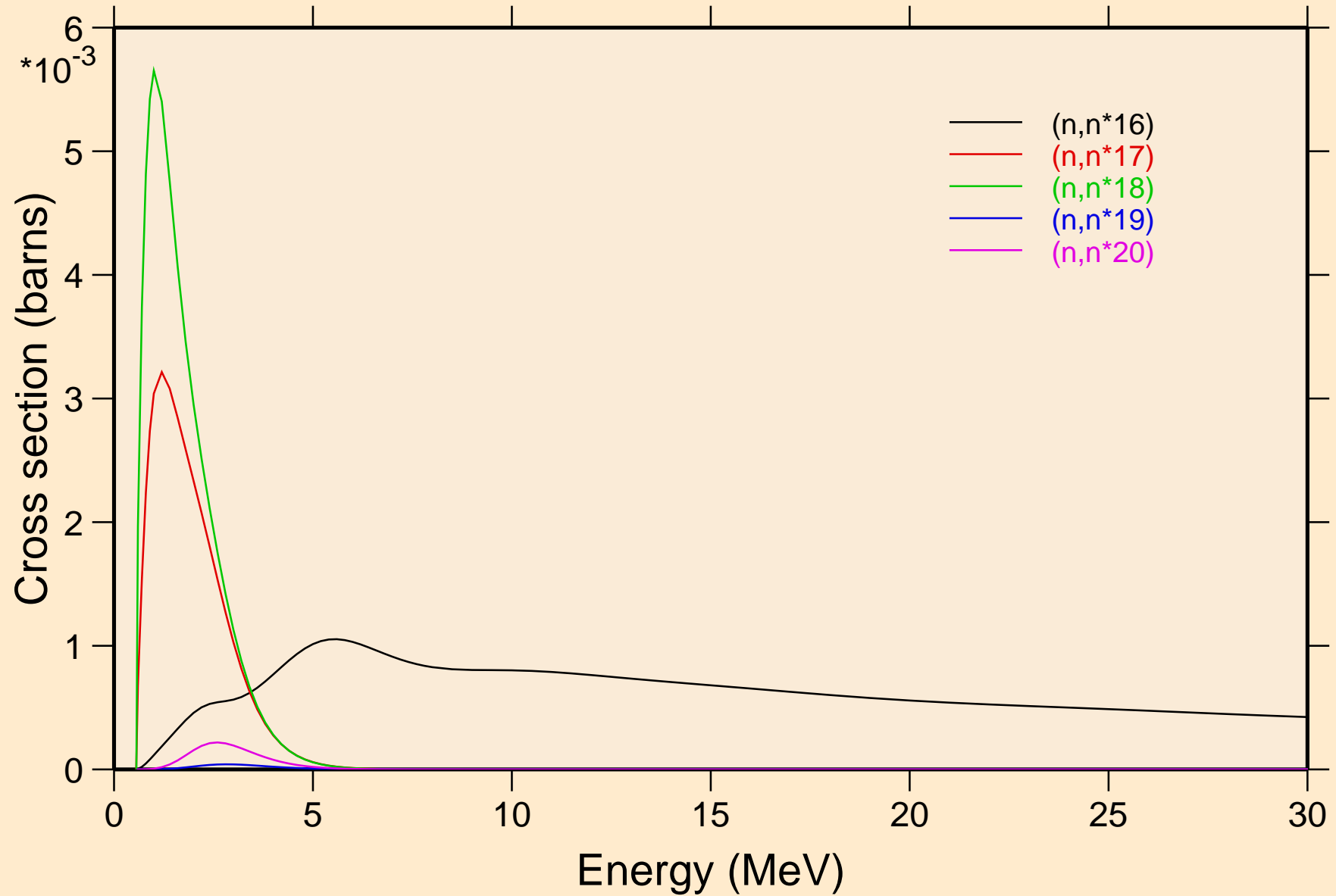


BI196 NRG TENDL-2015, AKONING  
Inelastic levels

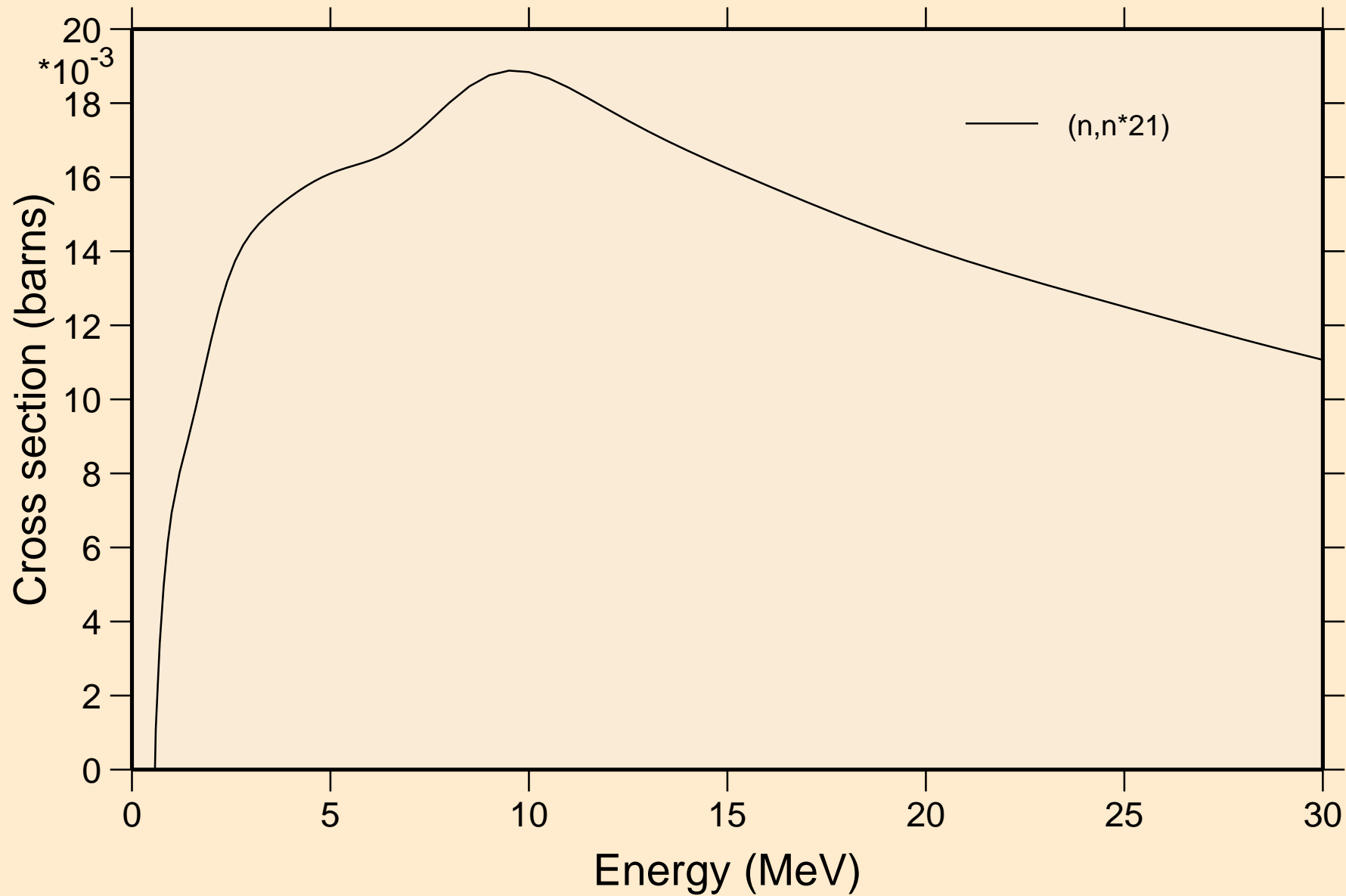


# BI196 NRG TENDL-2015, AKONING

## Inelastic levels

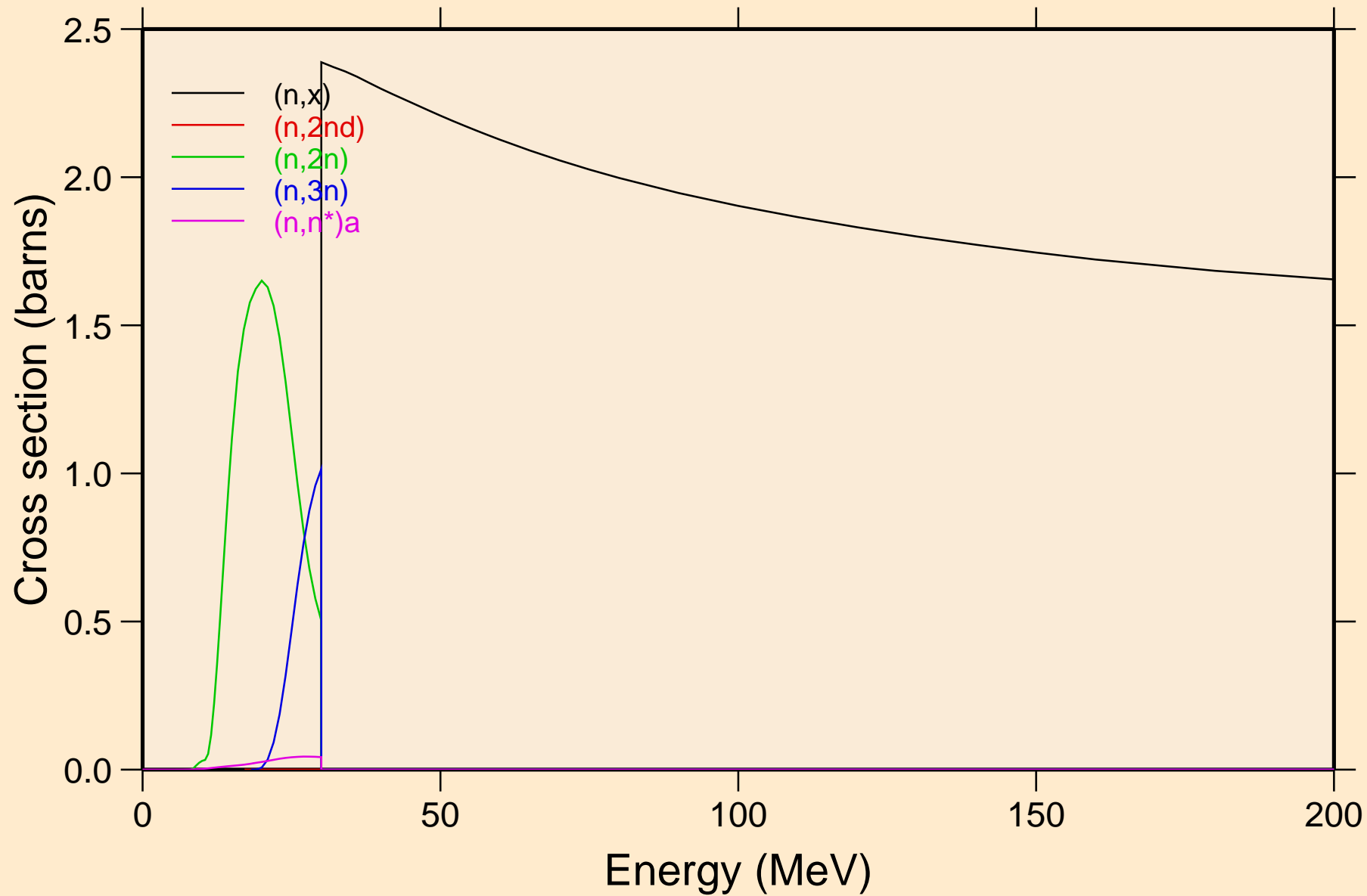


BI196 NRG TENDL-2015, AKONING  
Inelastic levels



# BI196 NRG TENDL-2015, AKONING

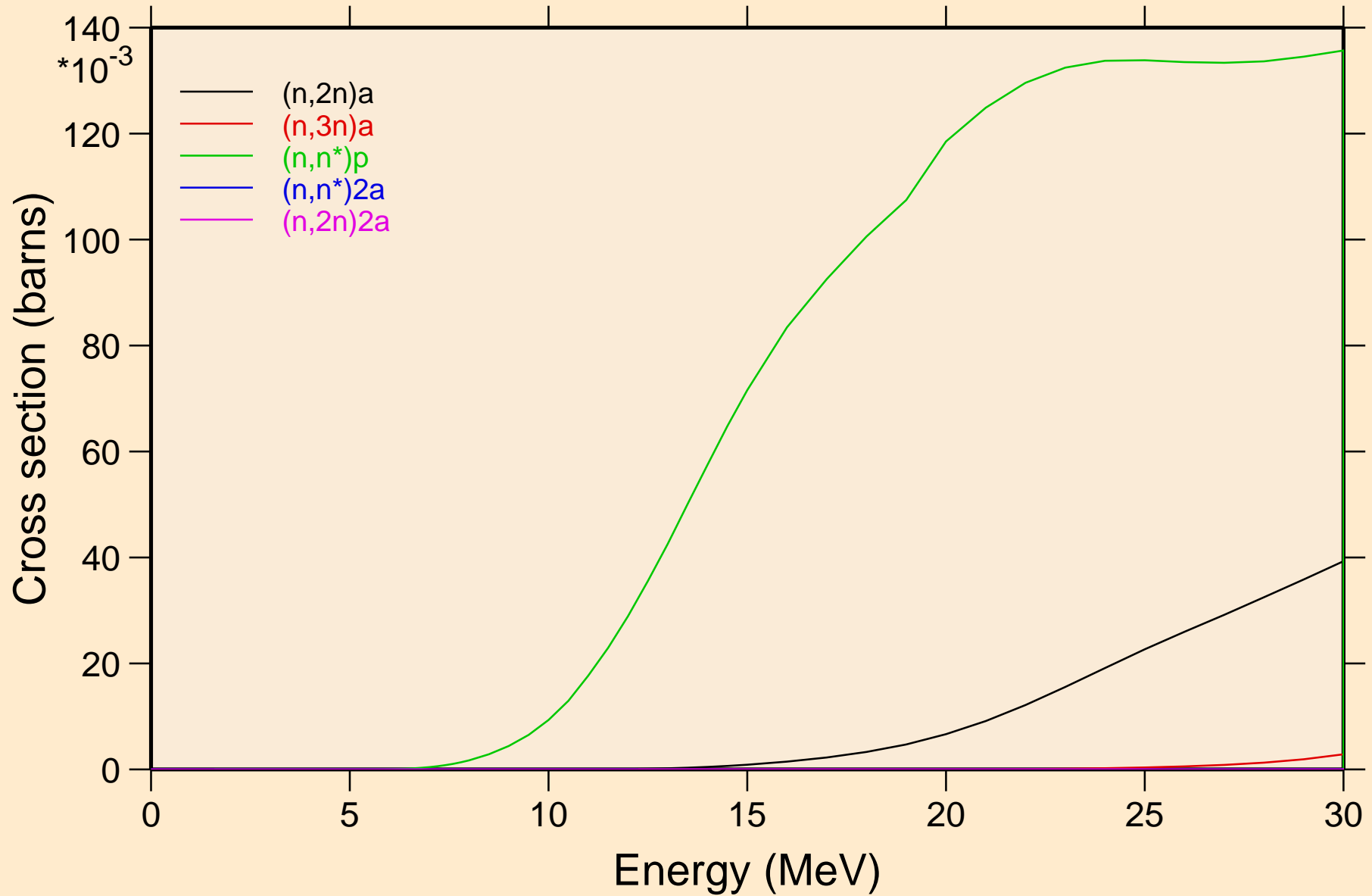
## Threshold reactions





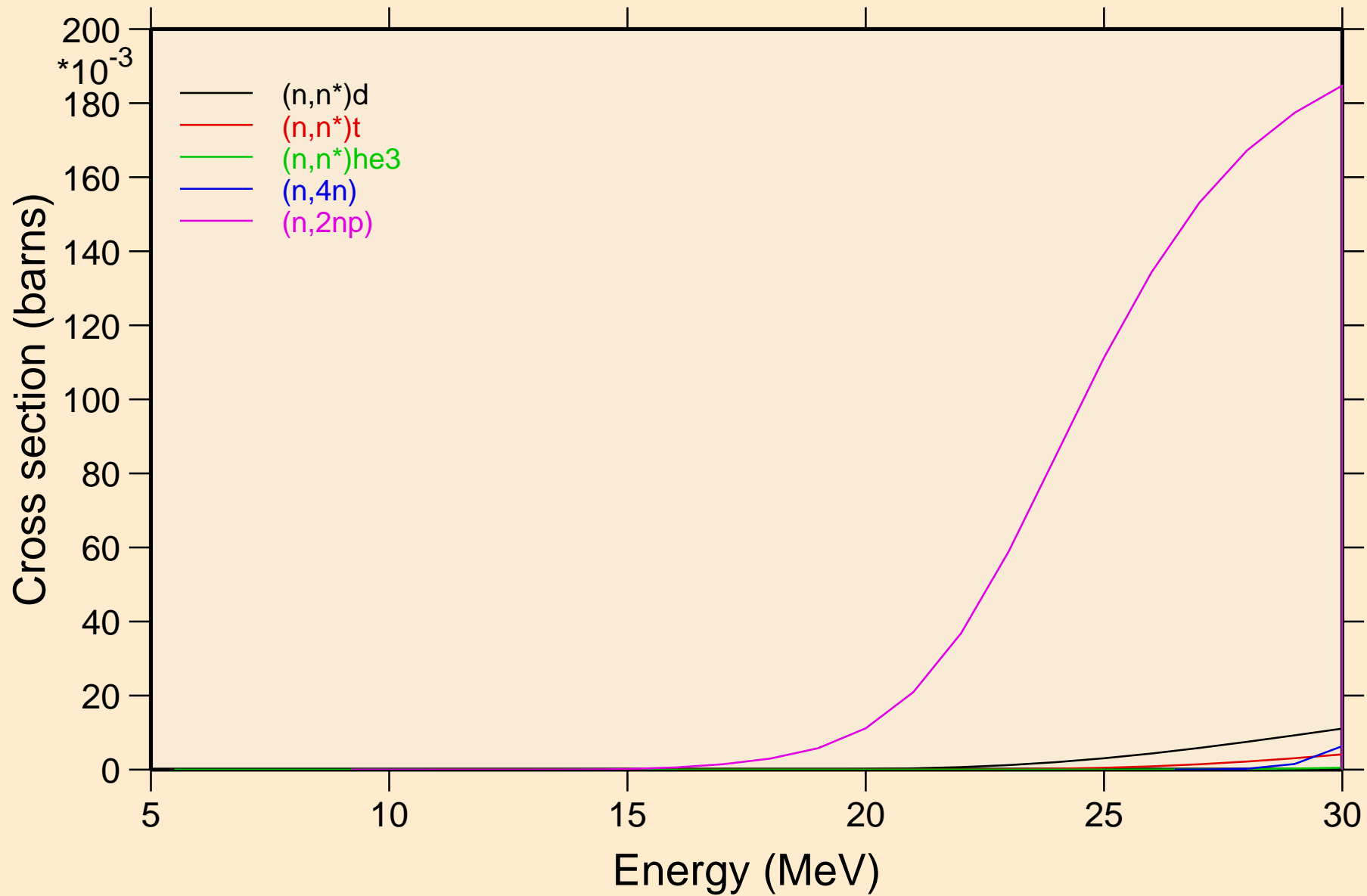
# BI196 NRG TENDL-2015, AKONING

## Threshold reactions



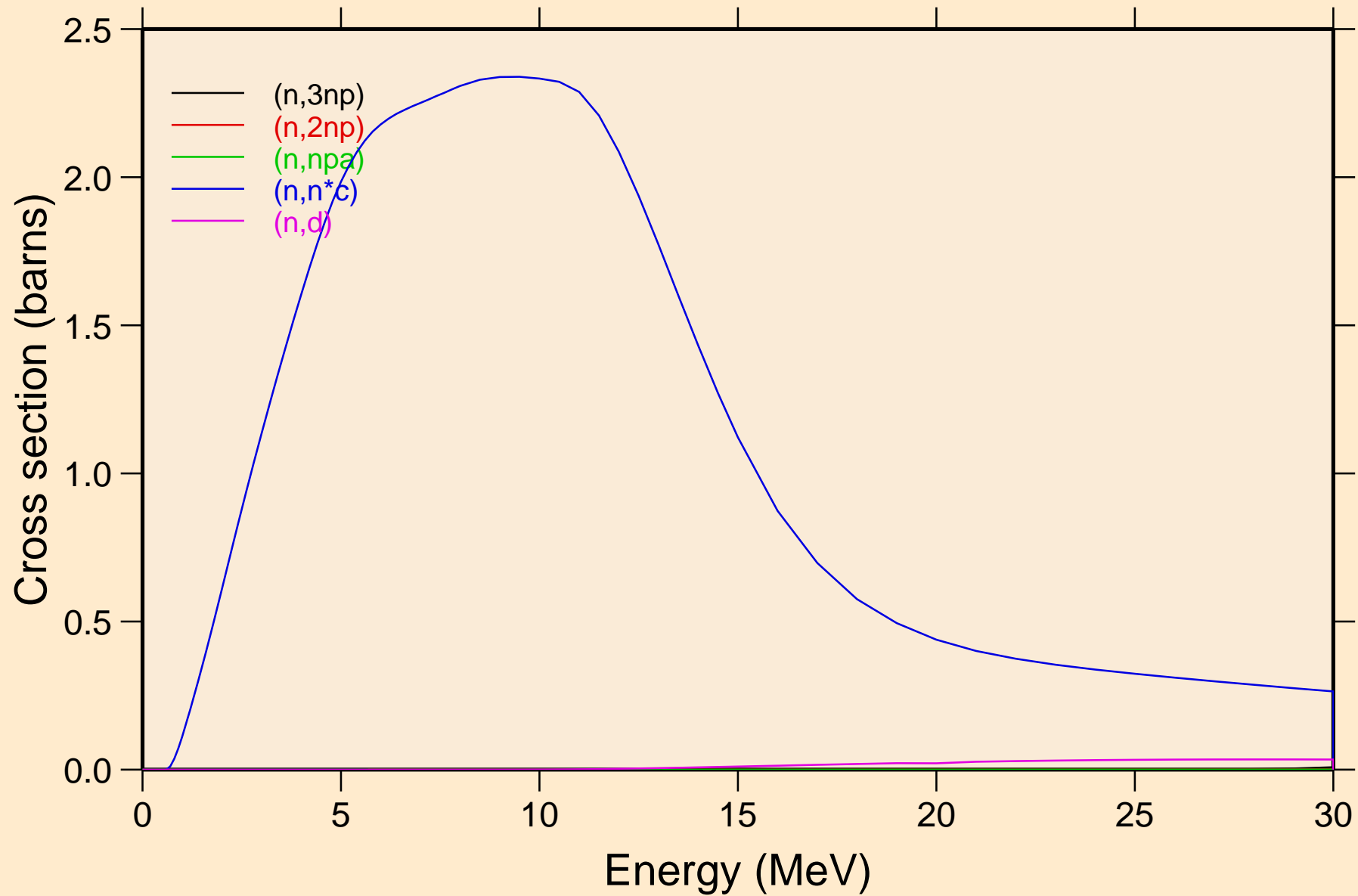
# BI196 NRG TENDL-2015, AKONING

## Threshold reactions



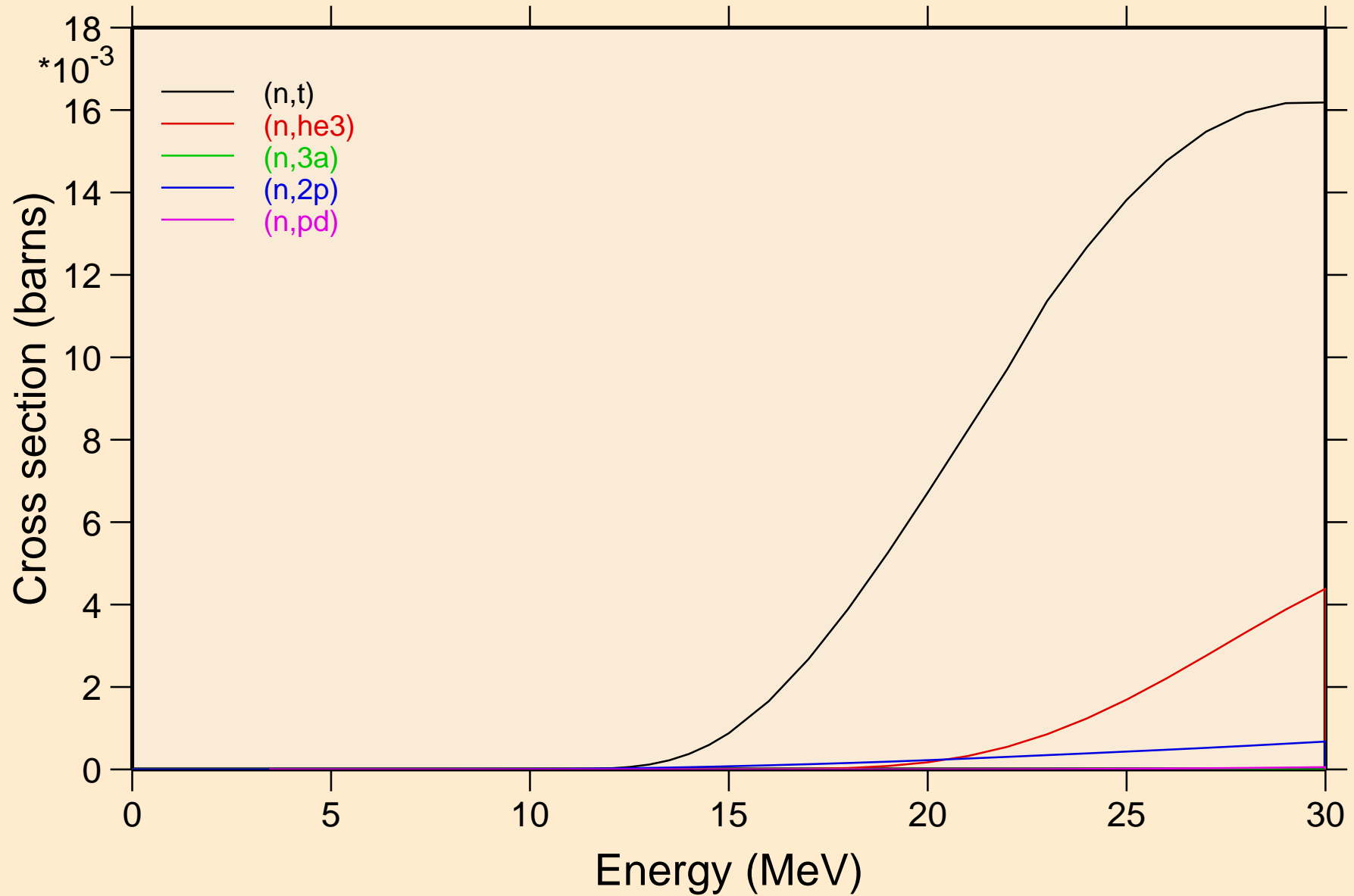
# BI196 NRG TENDL-2015, AKONING

## Threshold reactions



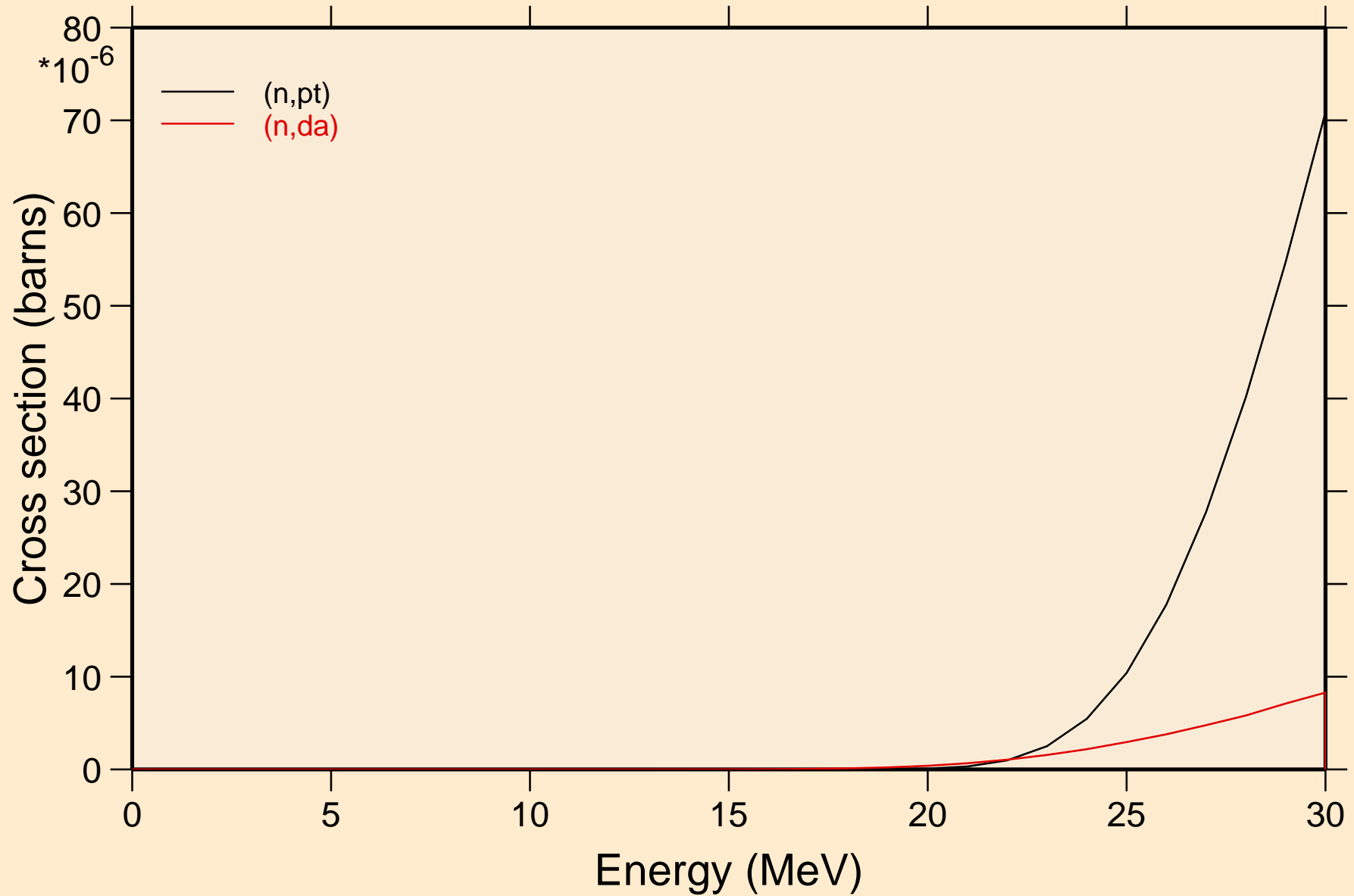
# BI196 NRG TENDL-2015, AKONING

## Threshold reactions

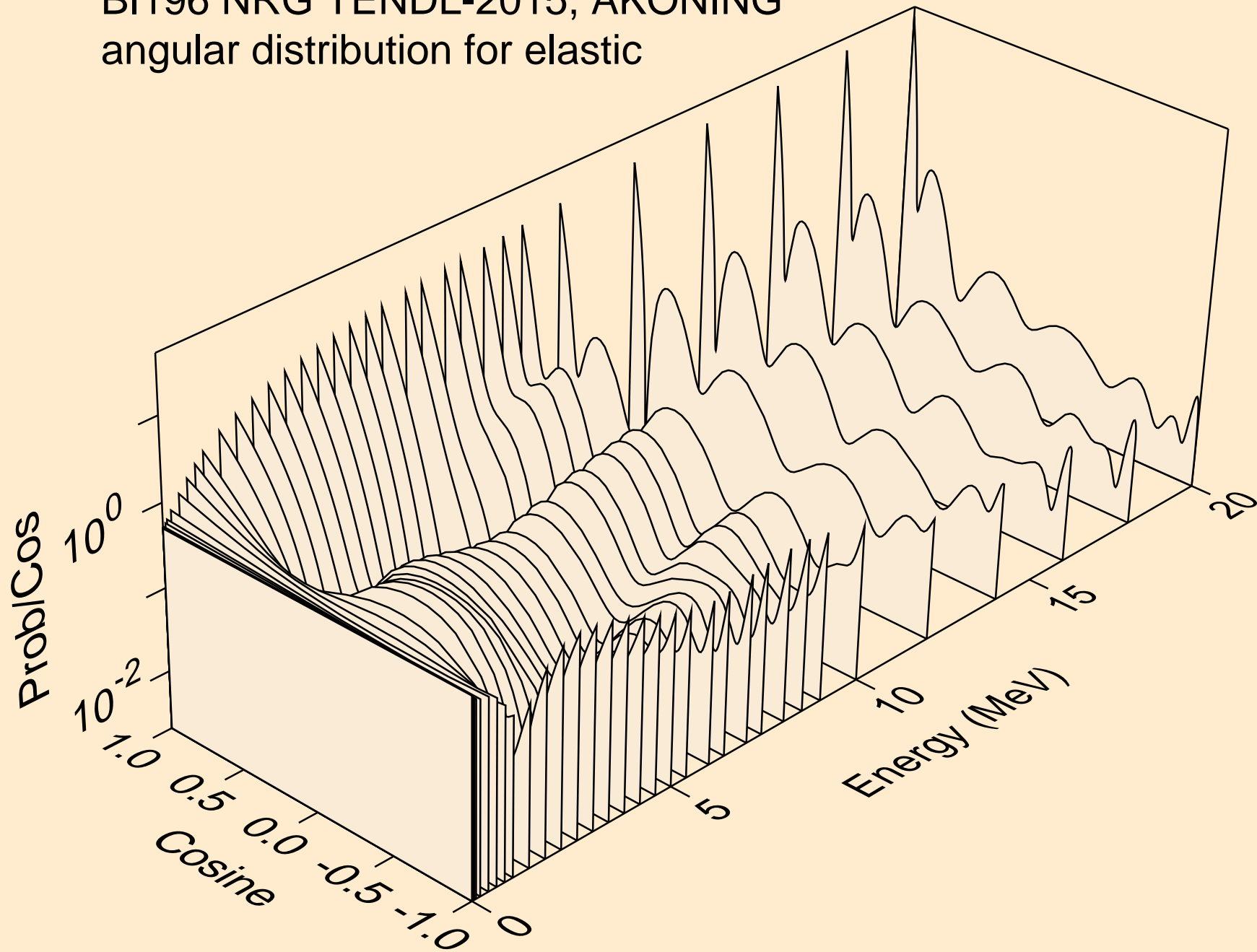


# BI196 NRG TENDL-2015, AKONING

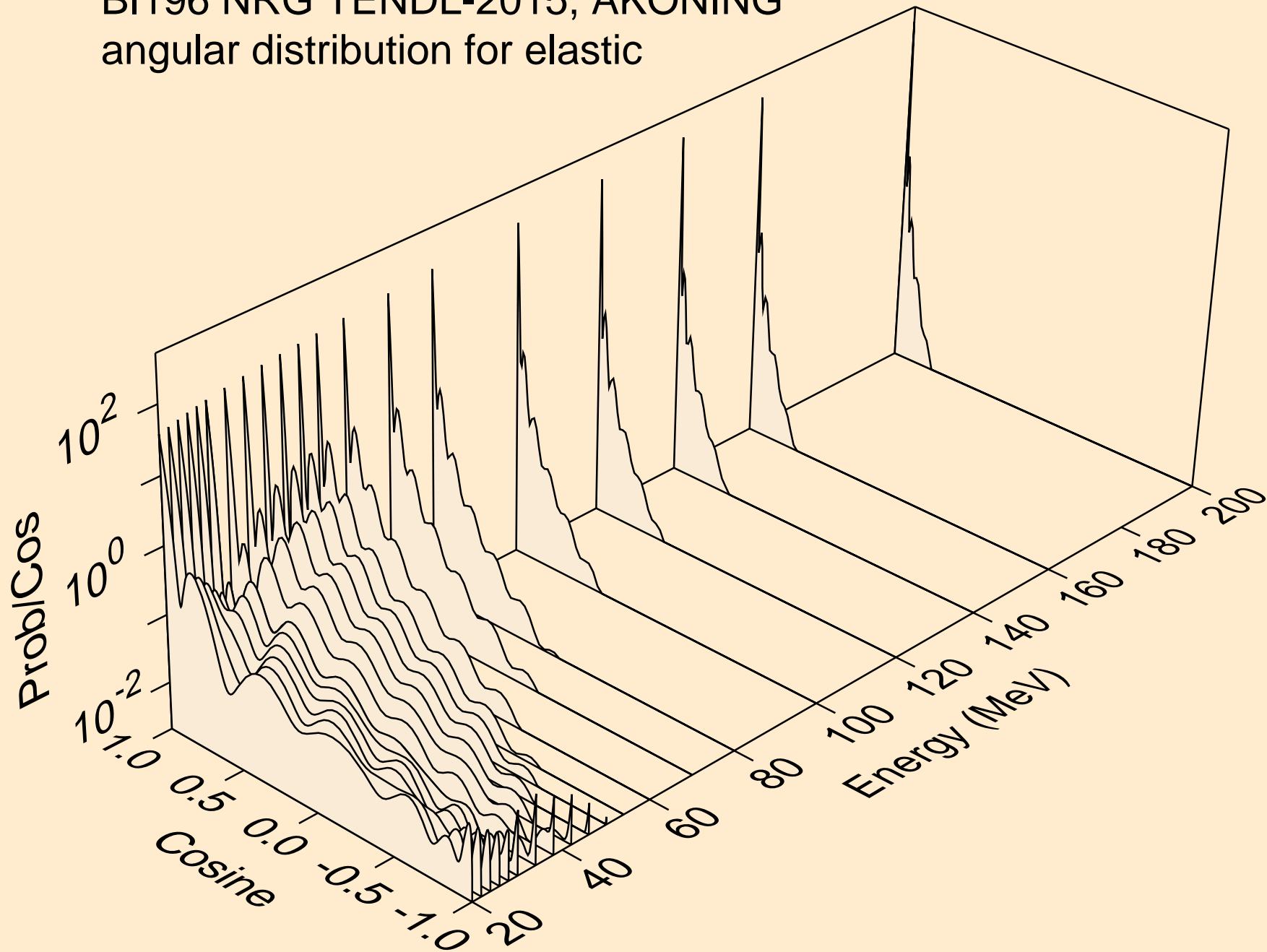
## Threshold reactions



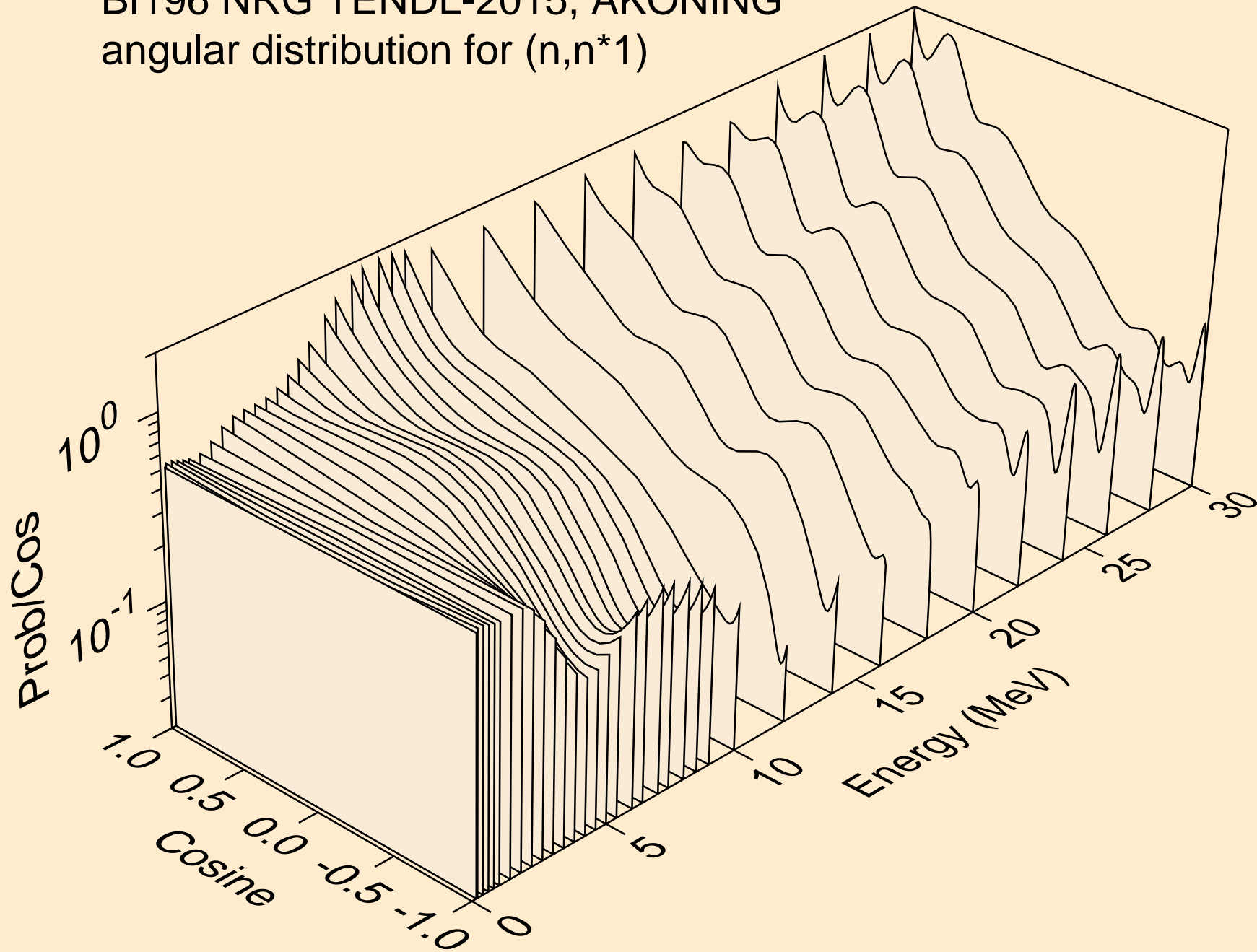
BI196 NRG TENDL-2015, AKONING  
angular distribution for elastic



BI196 NRG TENDL-2015, AKONING  
angular distribution for elastic

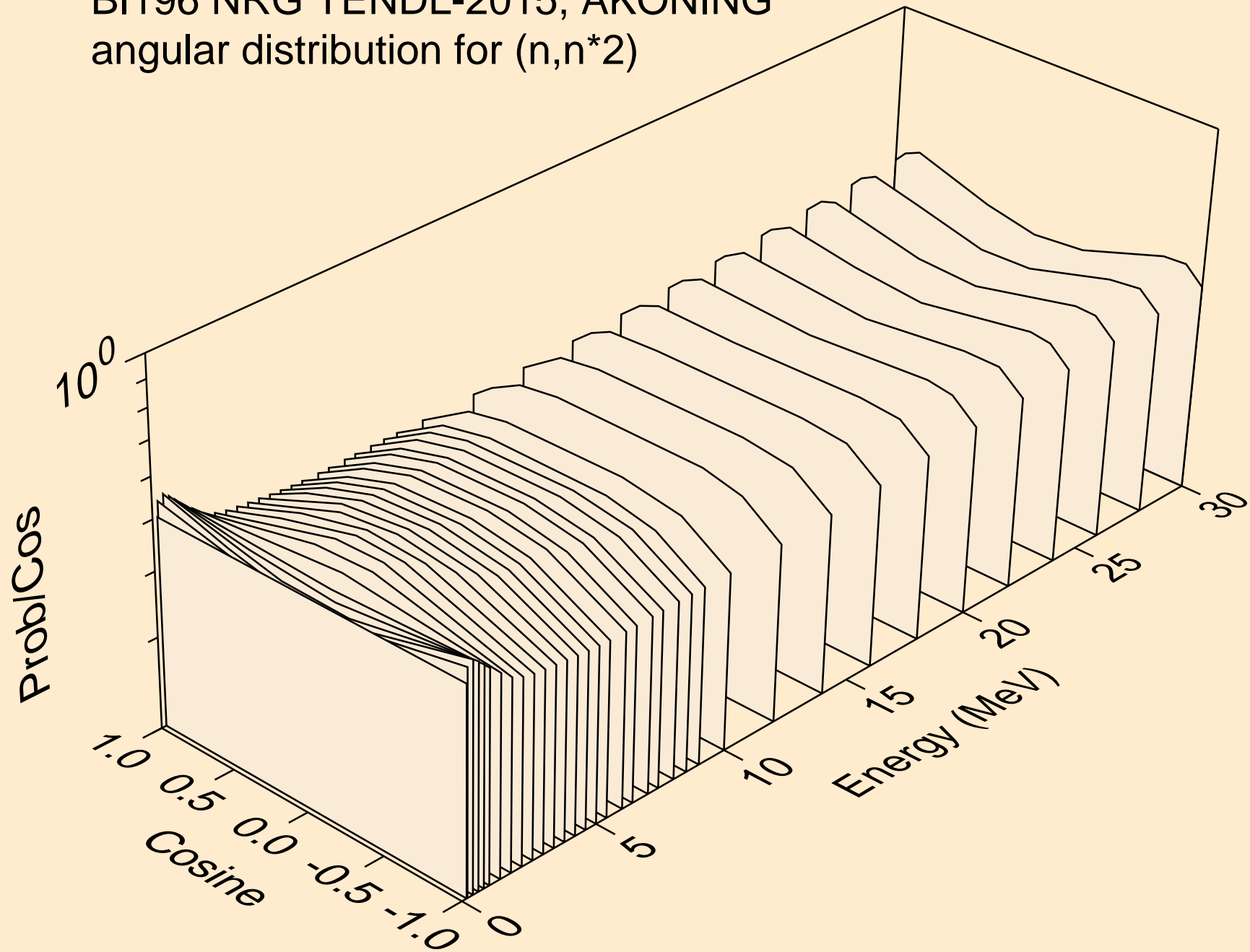


BI196 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)

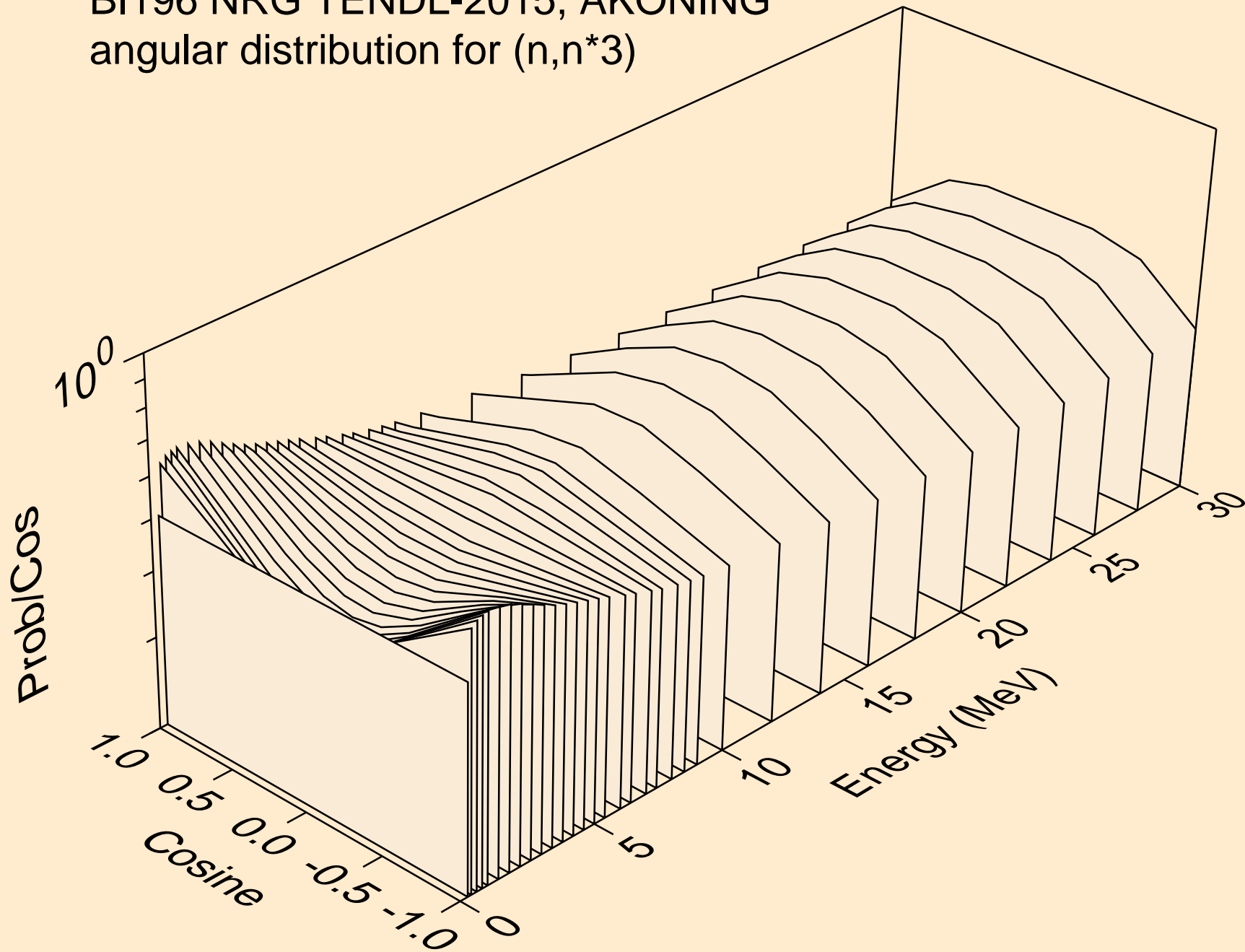




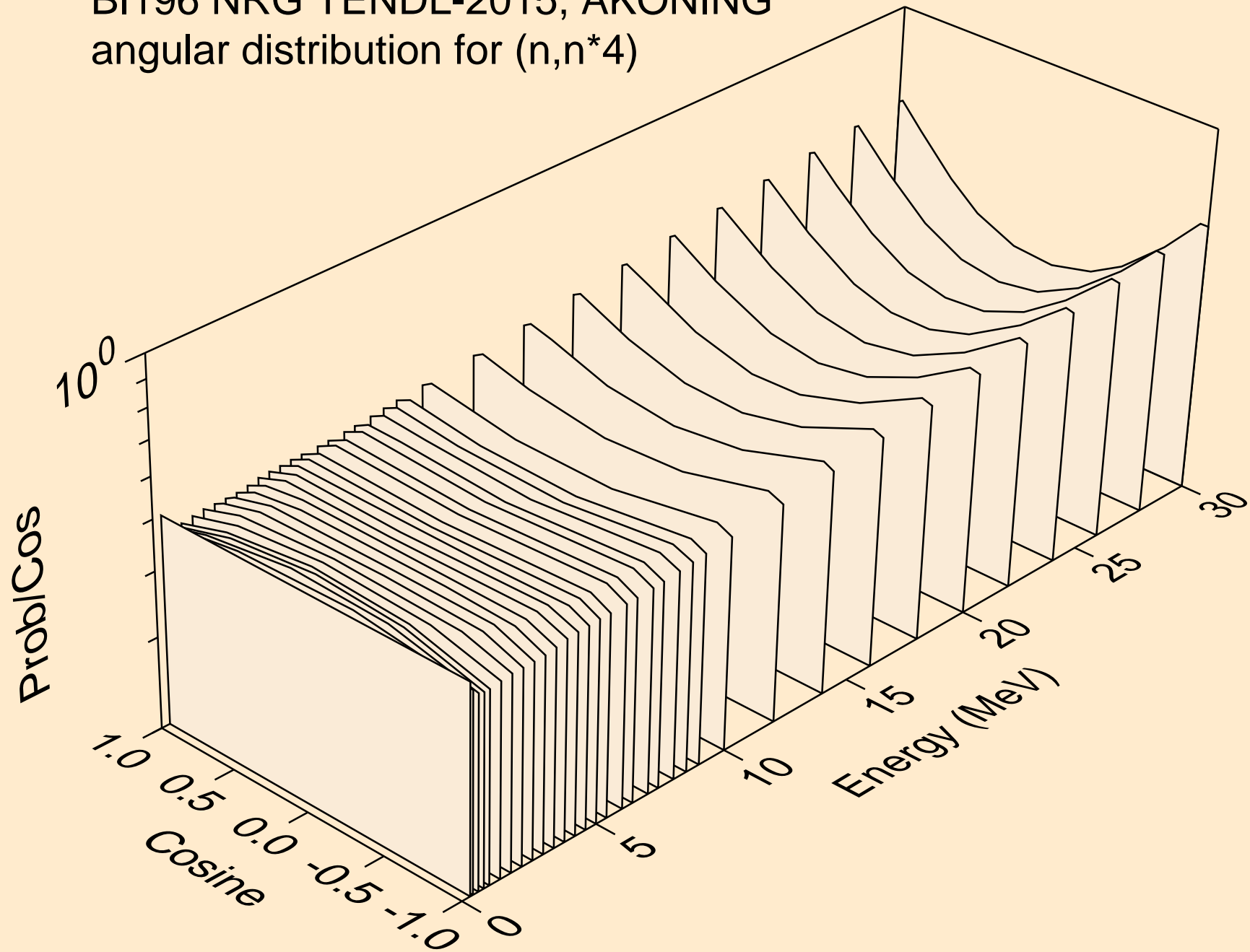
BI196 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



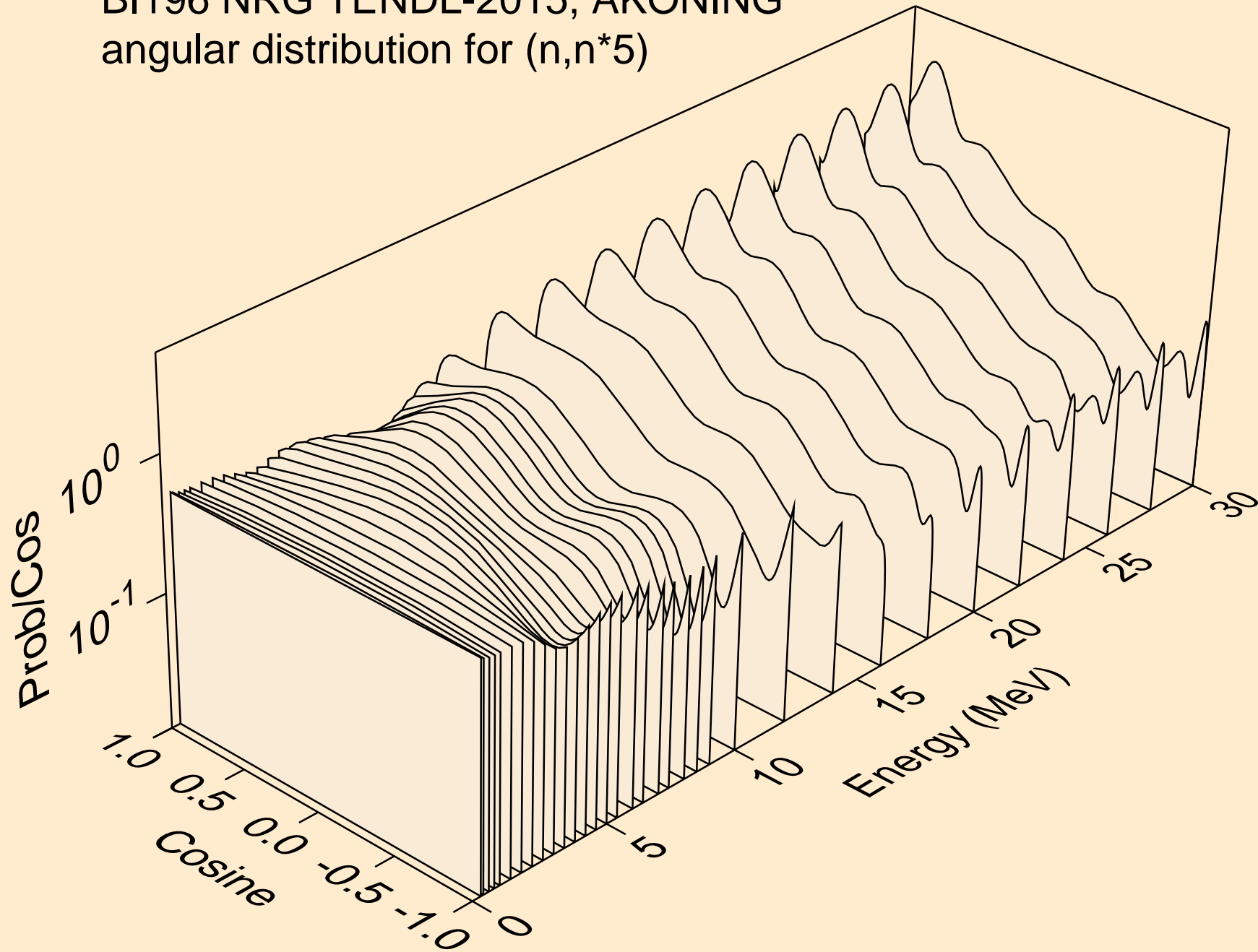
BI196 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



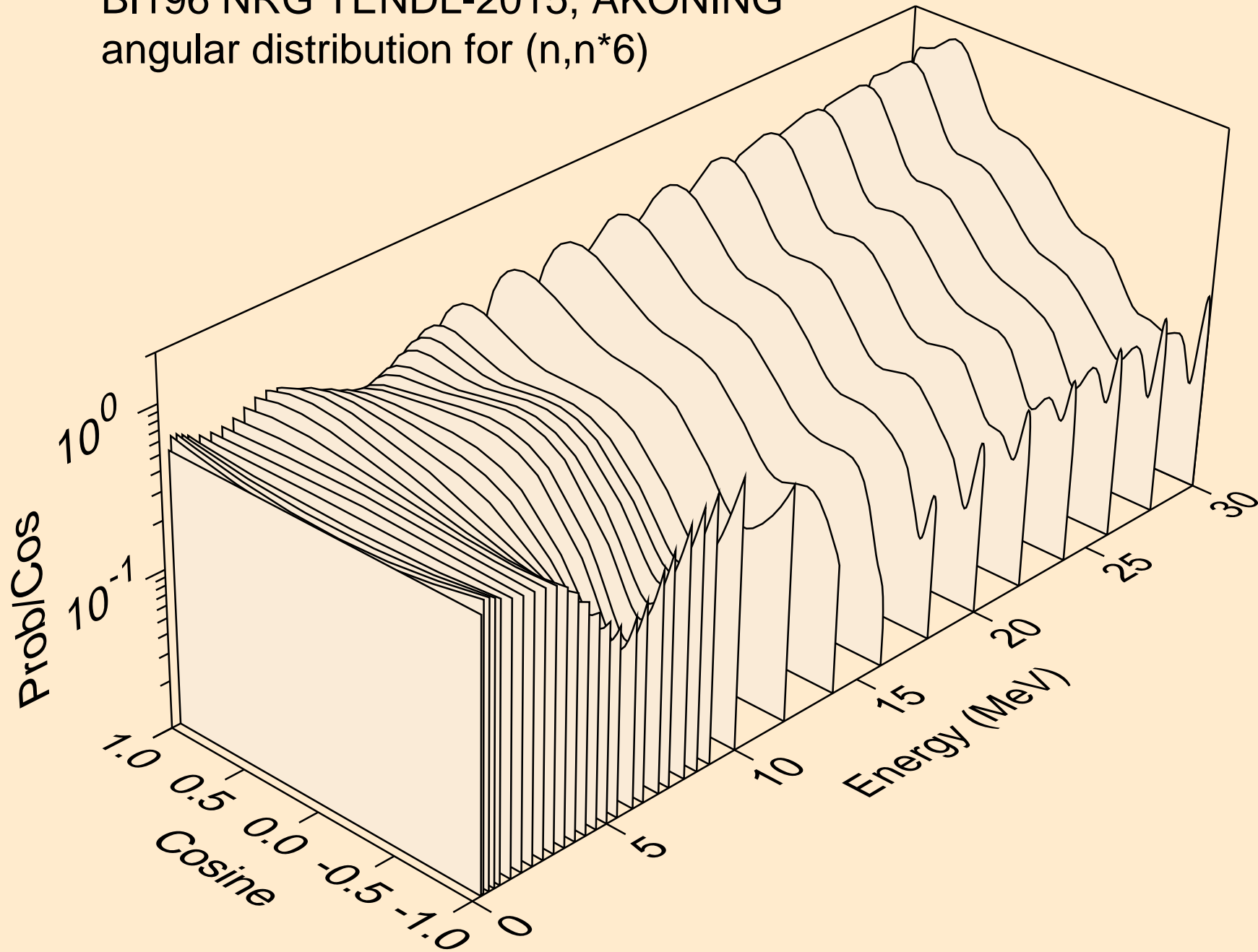
BI196 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



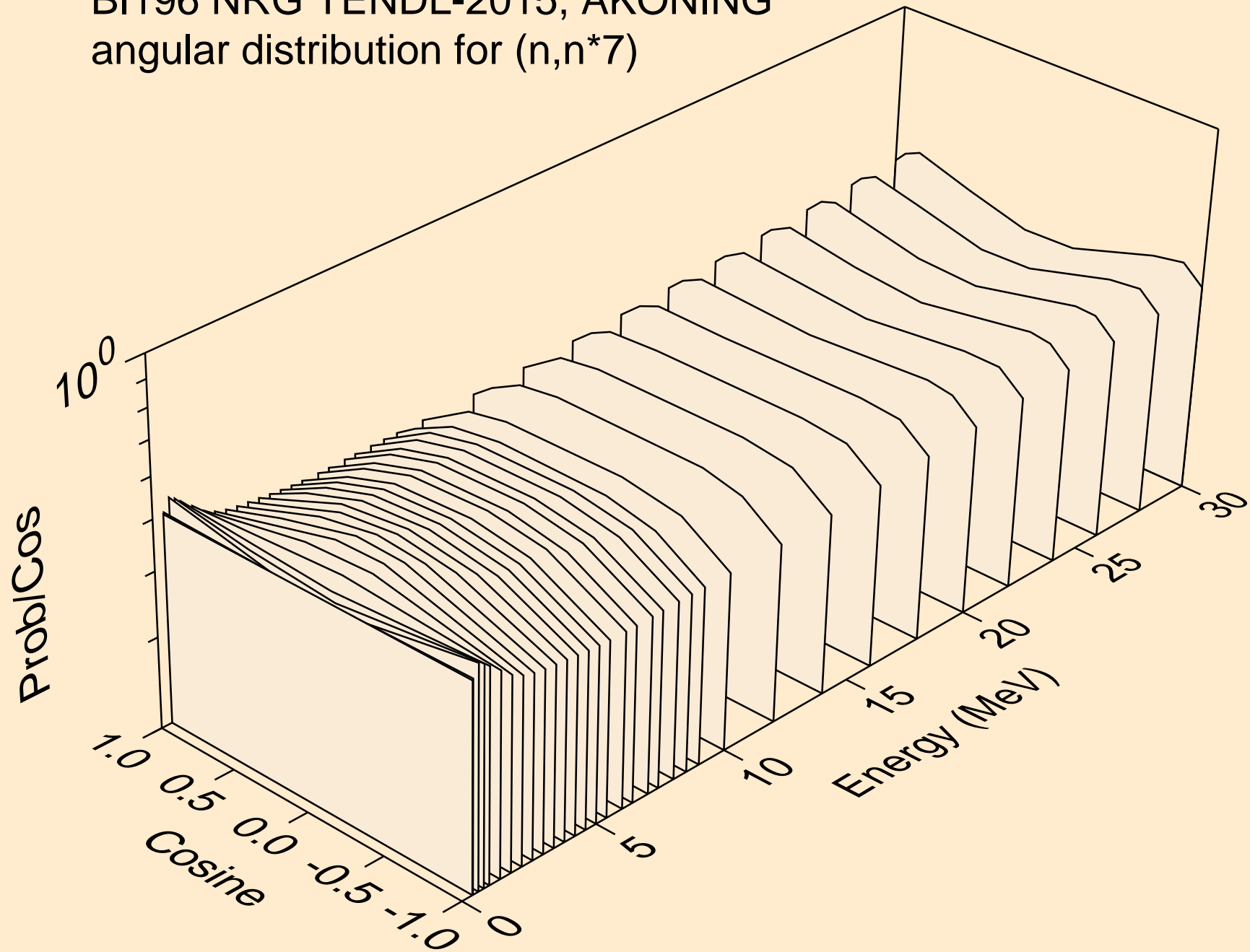
BI196 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)



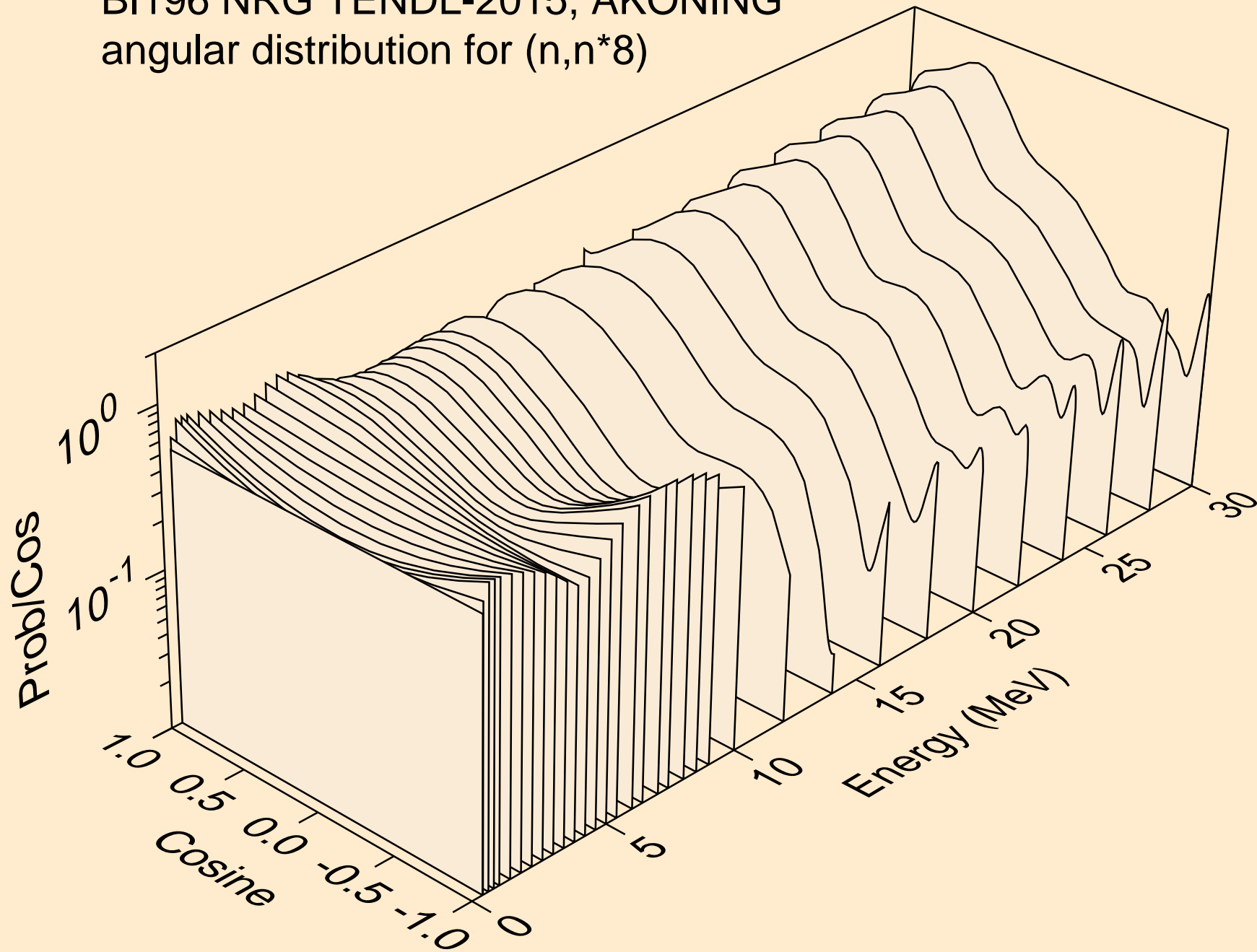
BI196 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)



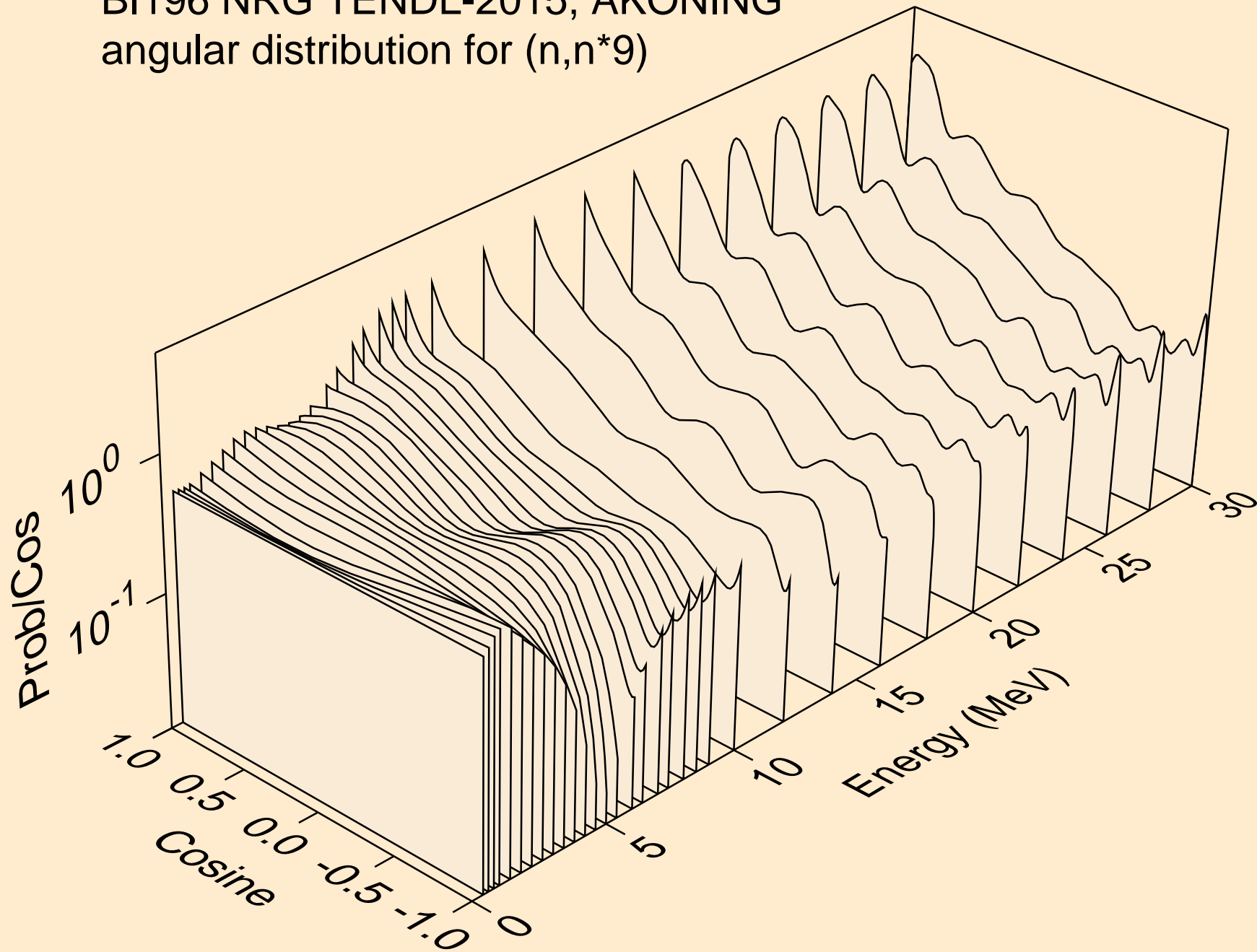
BI196 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



BI196 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)

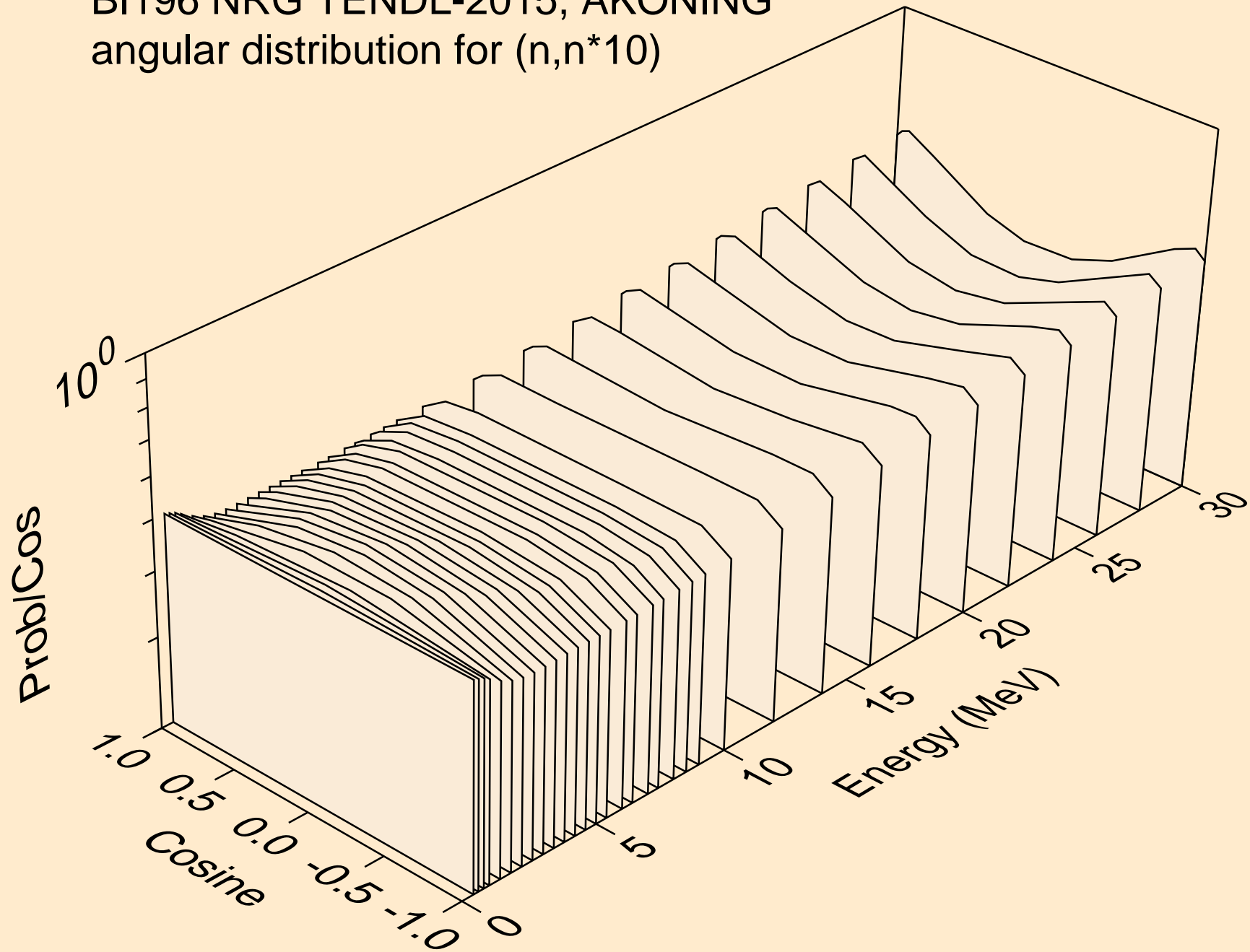


BI196 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)

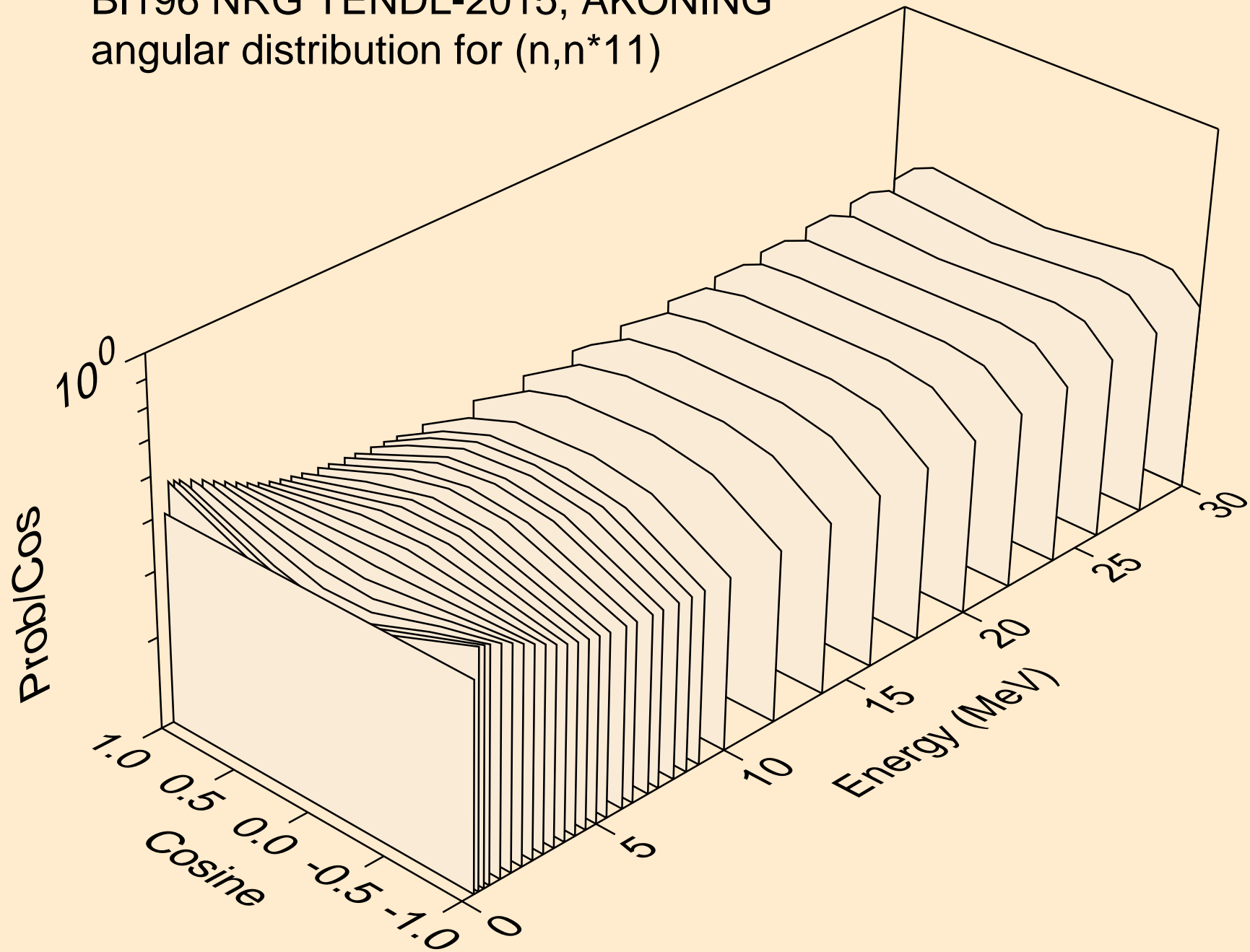




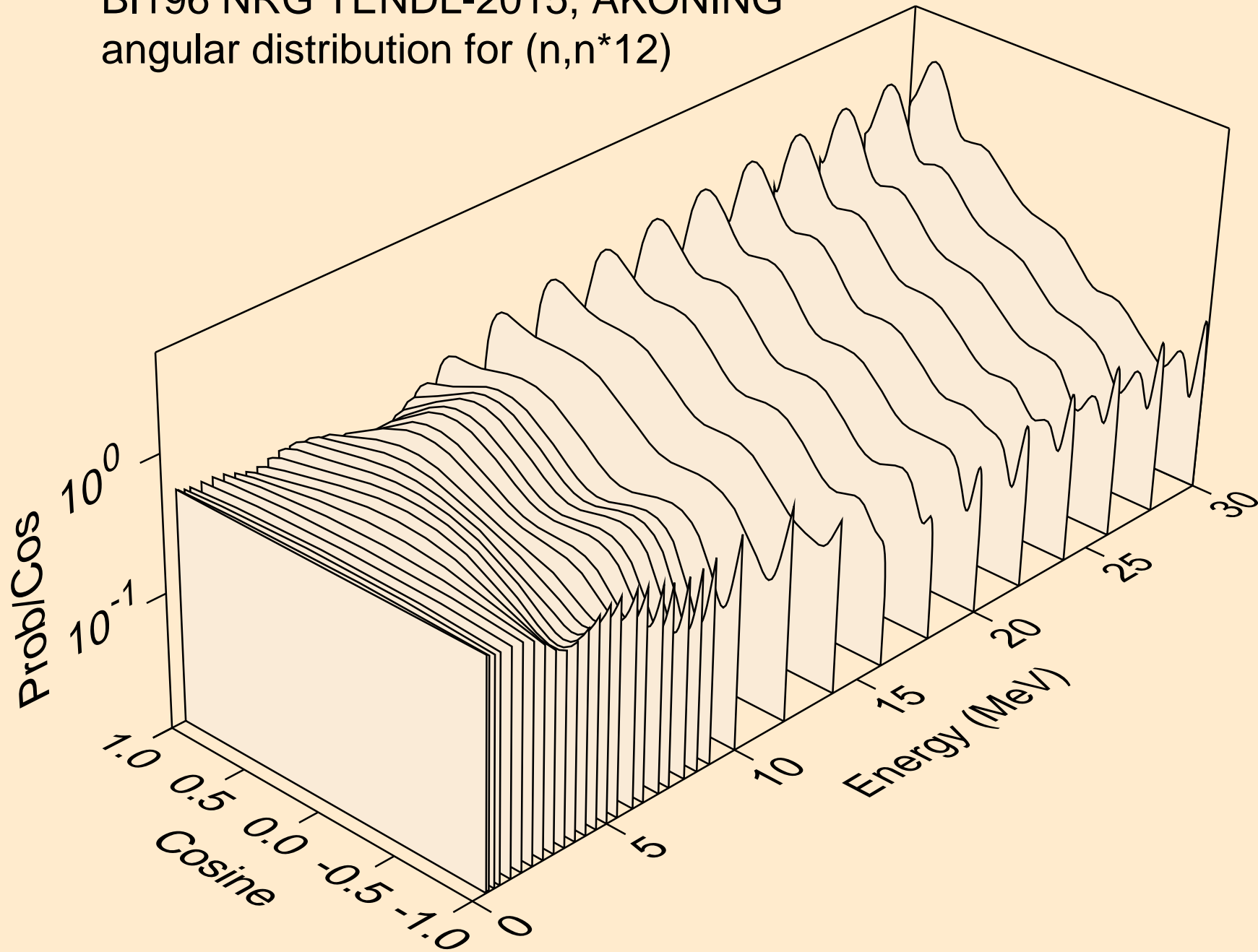
BI196 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



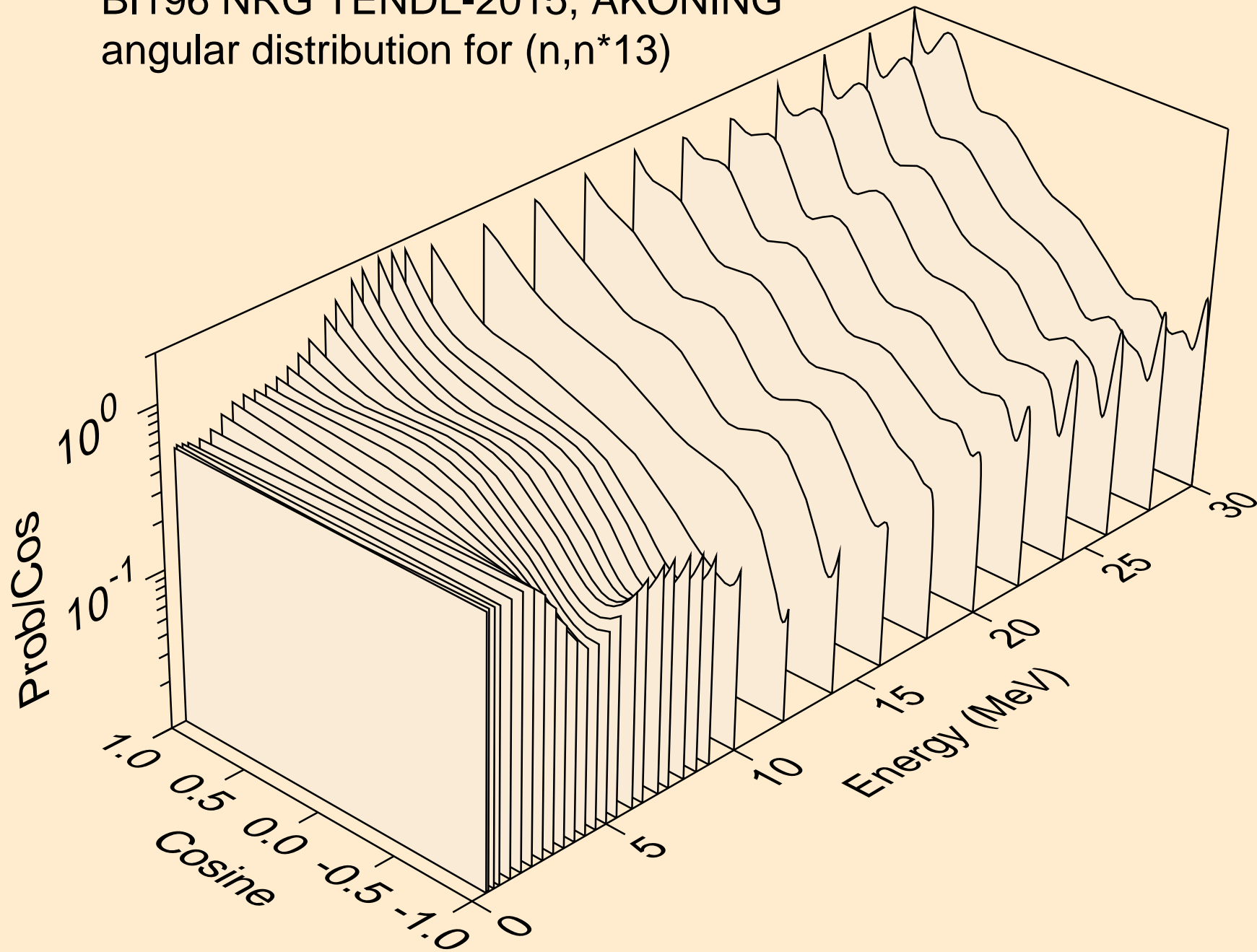
BI196 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



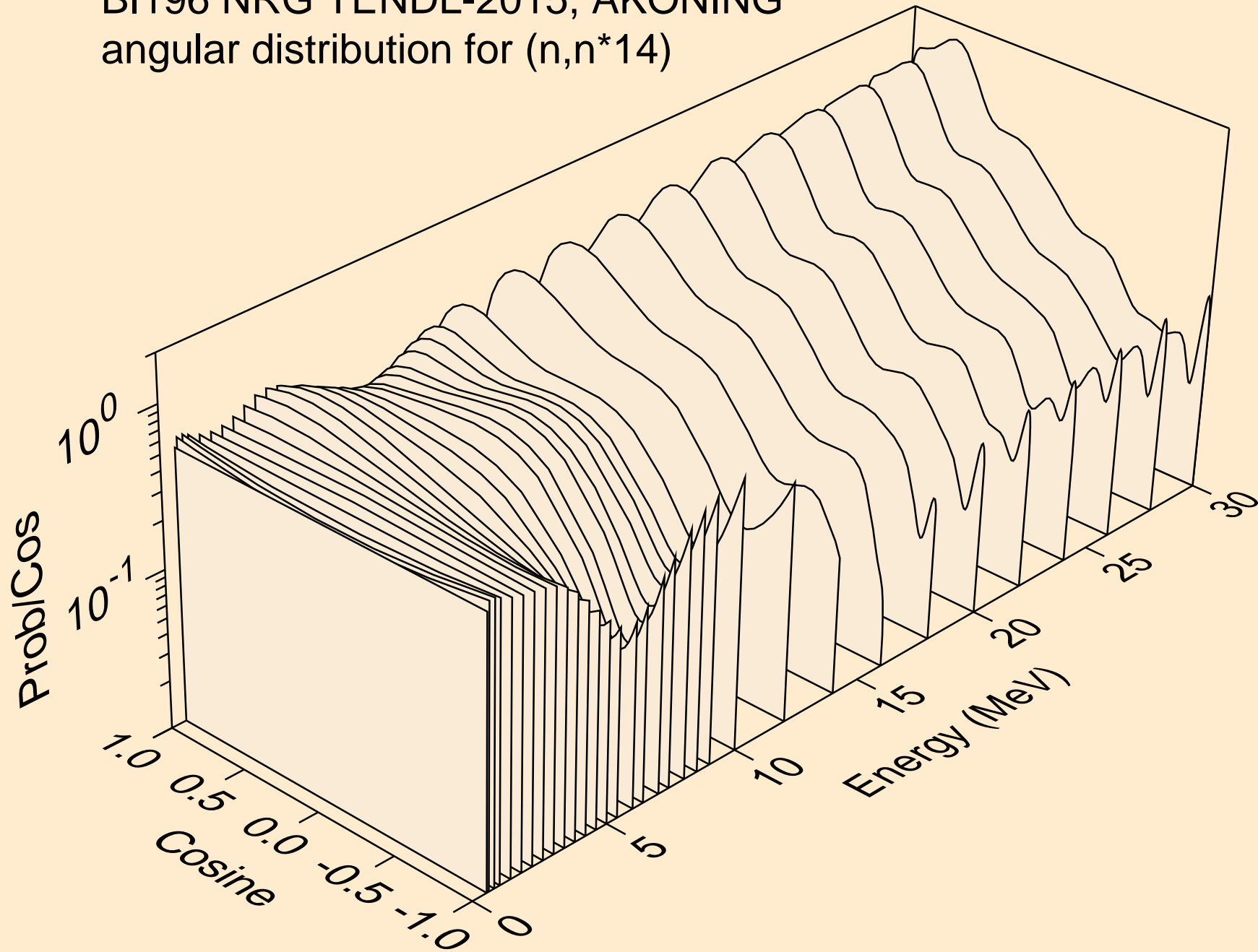
BI196 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



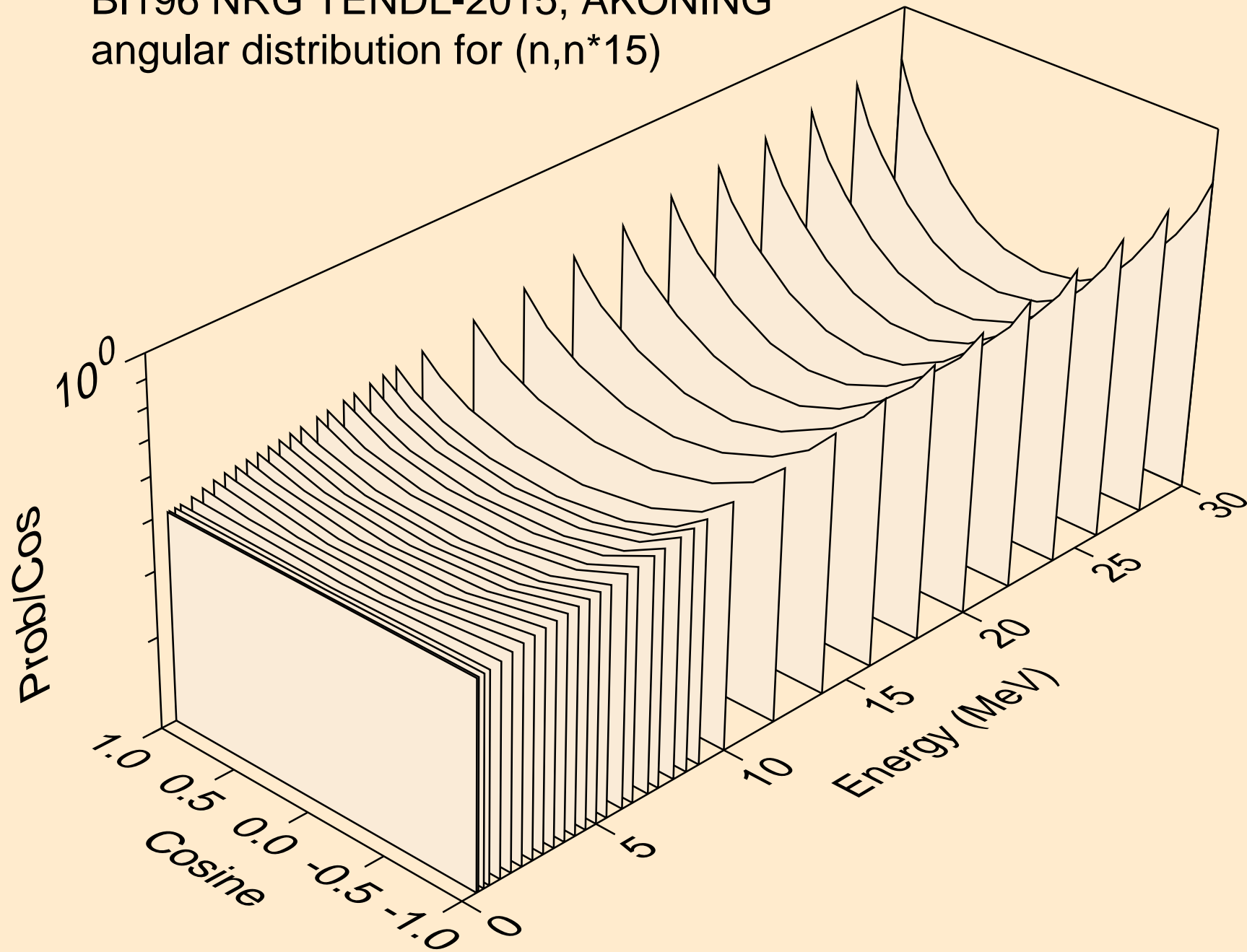
BI196 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)



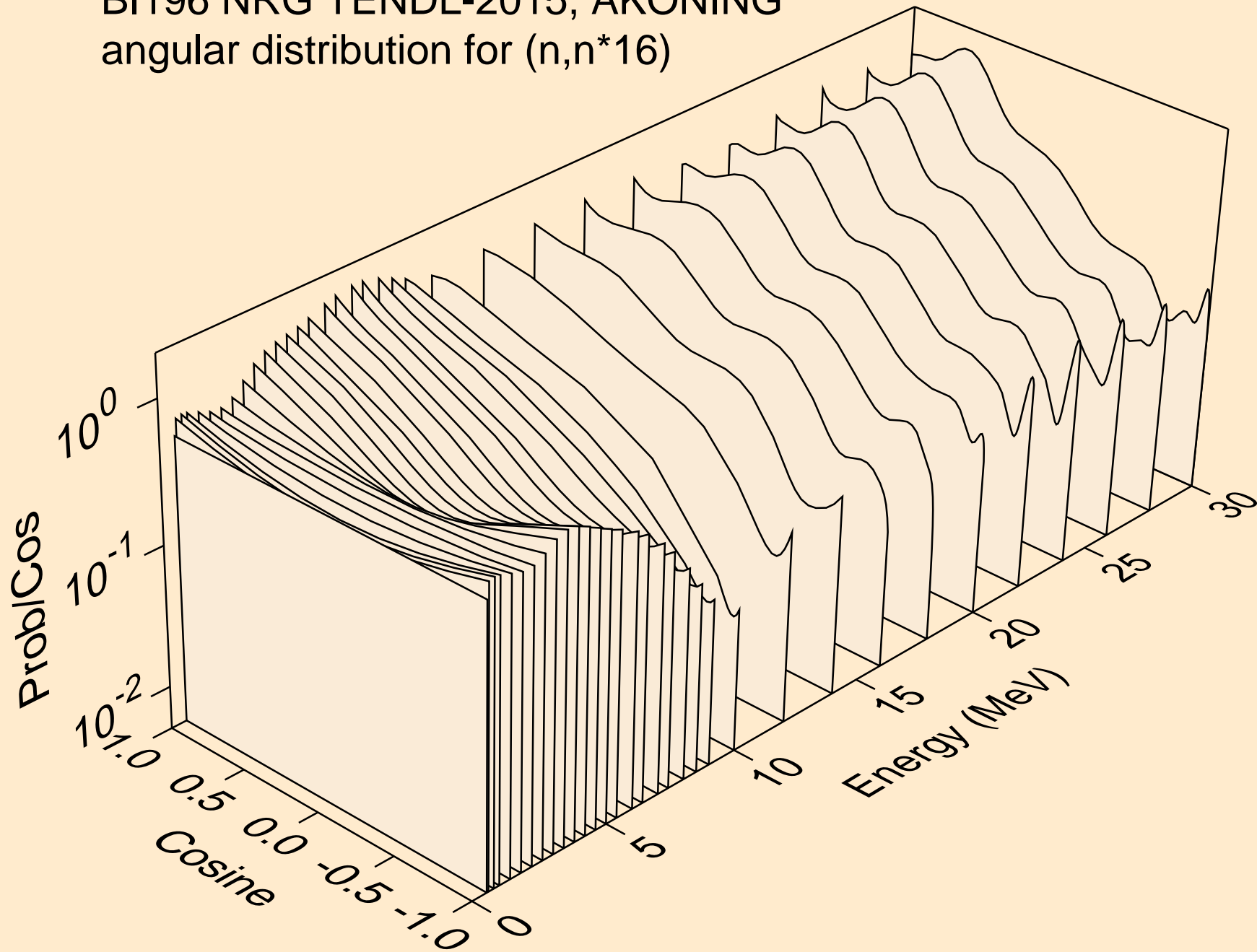
BI196 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)



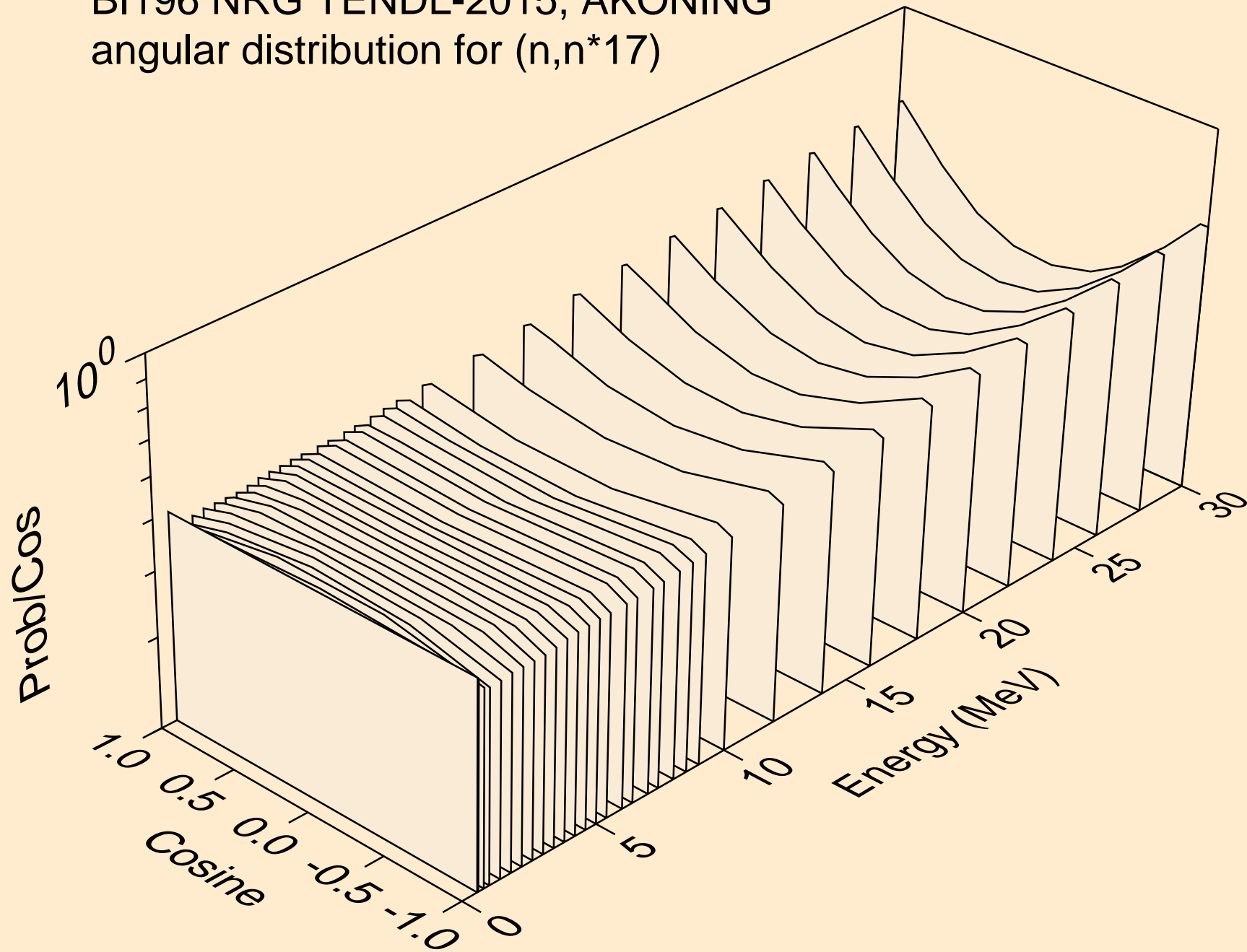
BI196 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



BI196 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)

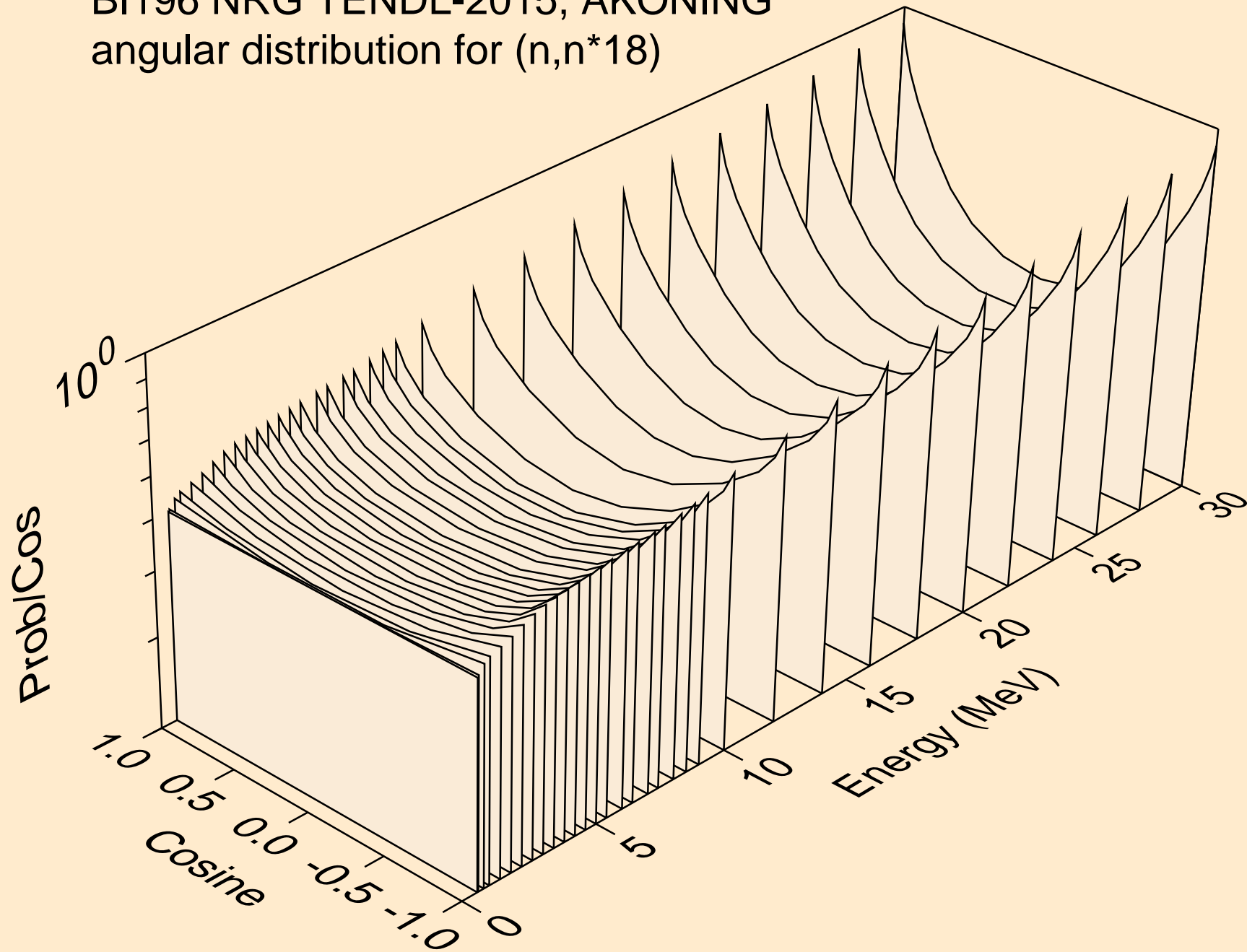


BI196 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)

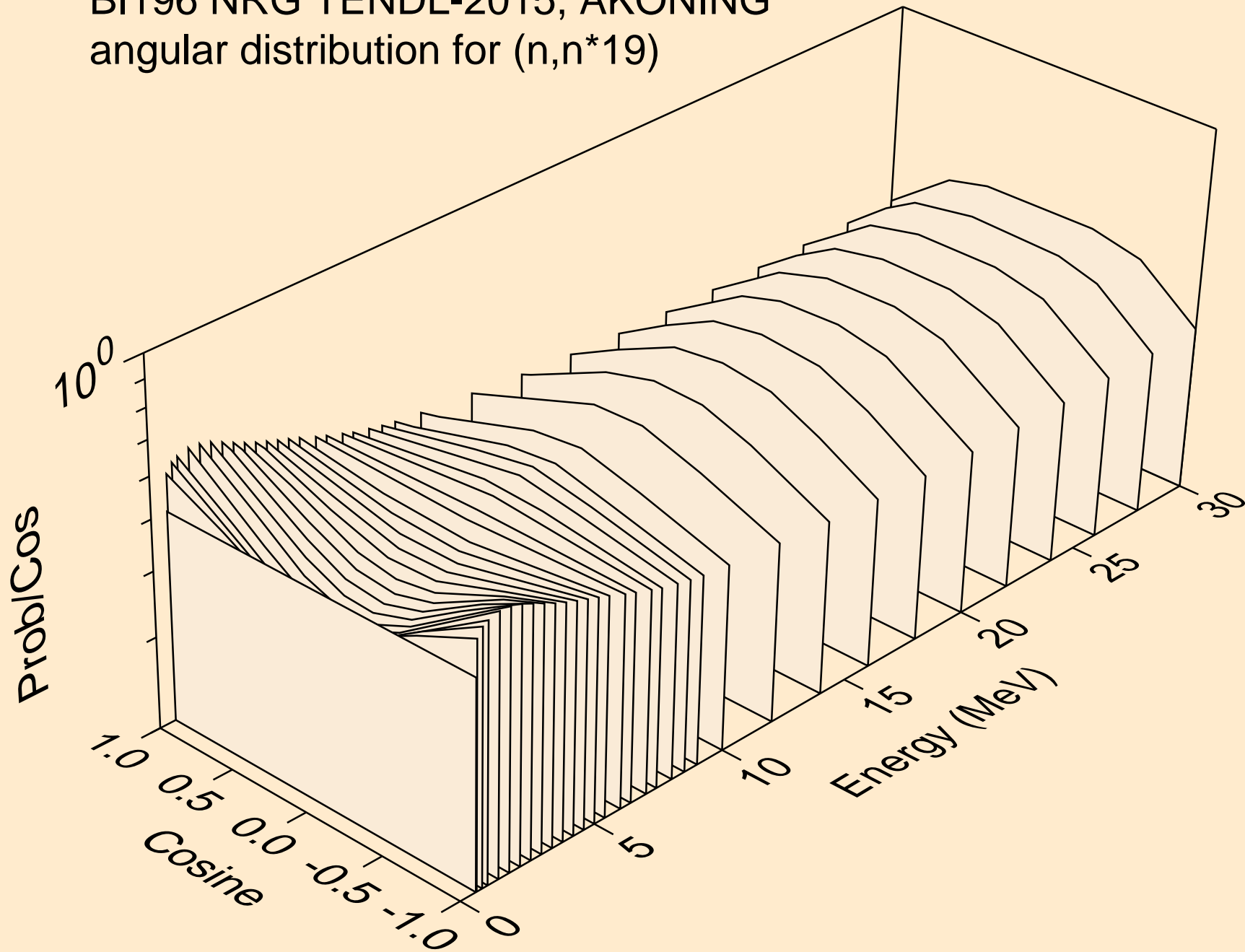




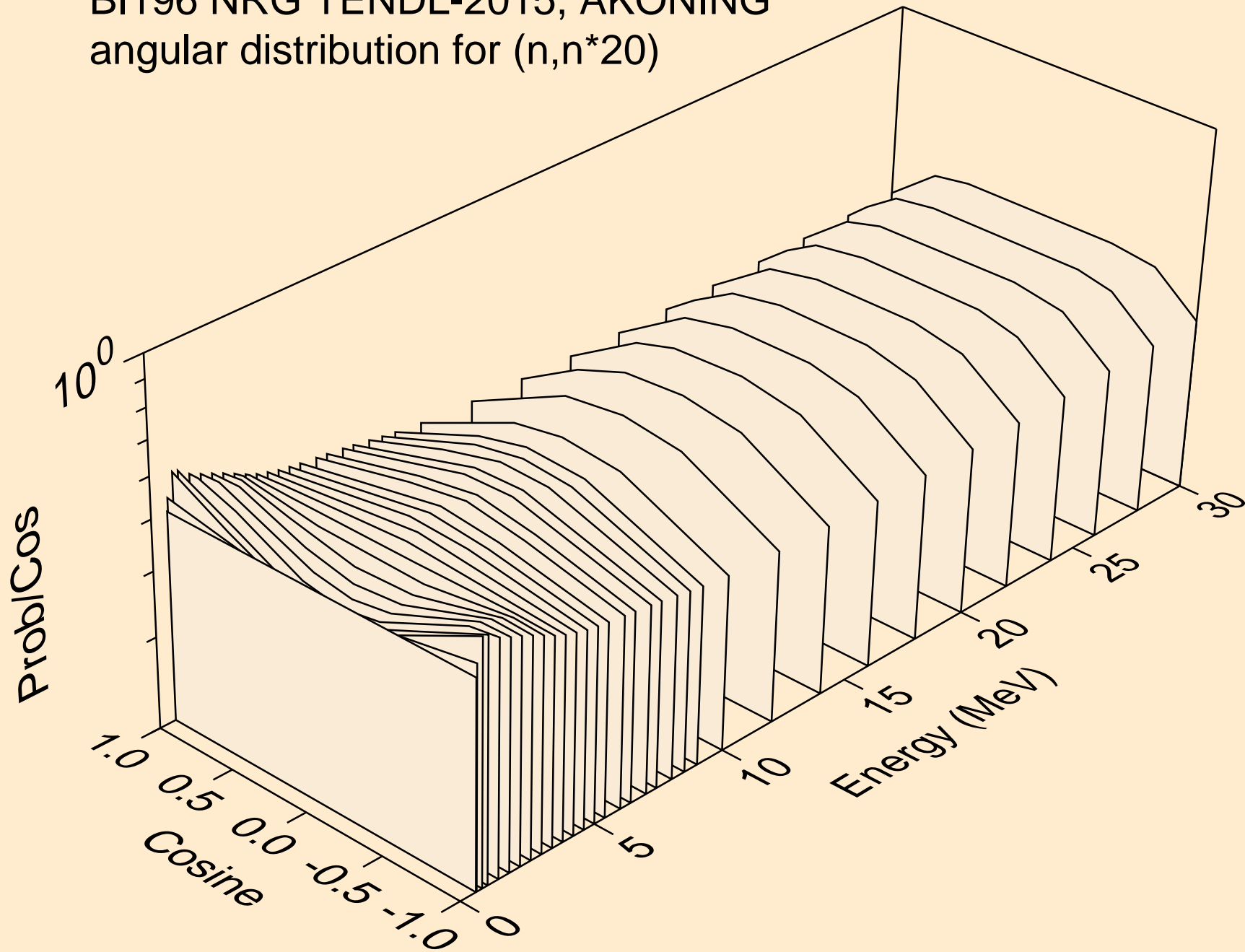
BI196 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



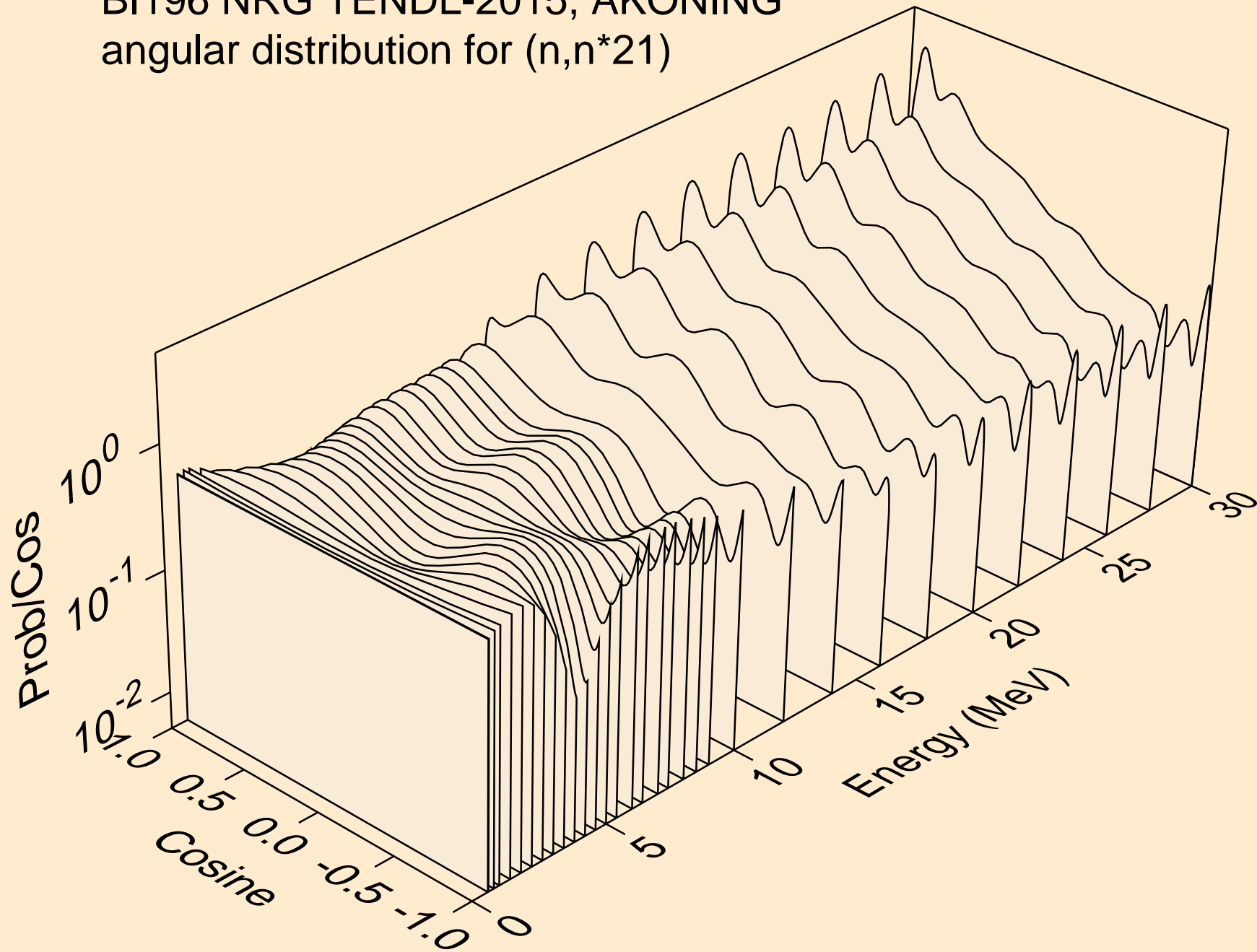
BI196 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



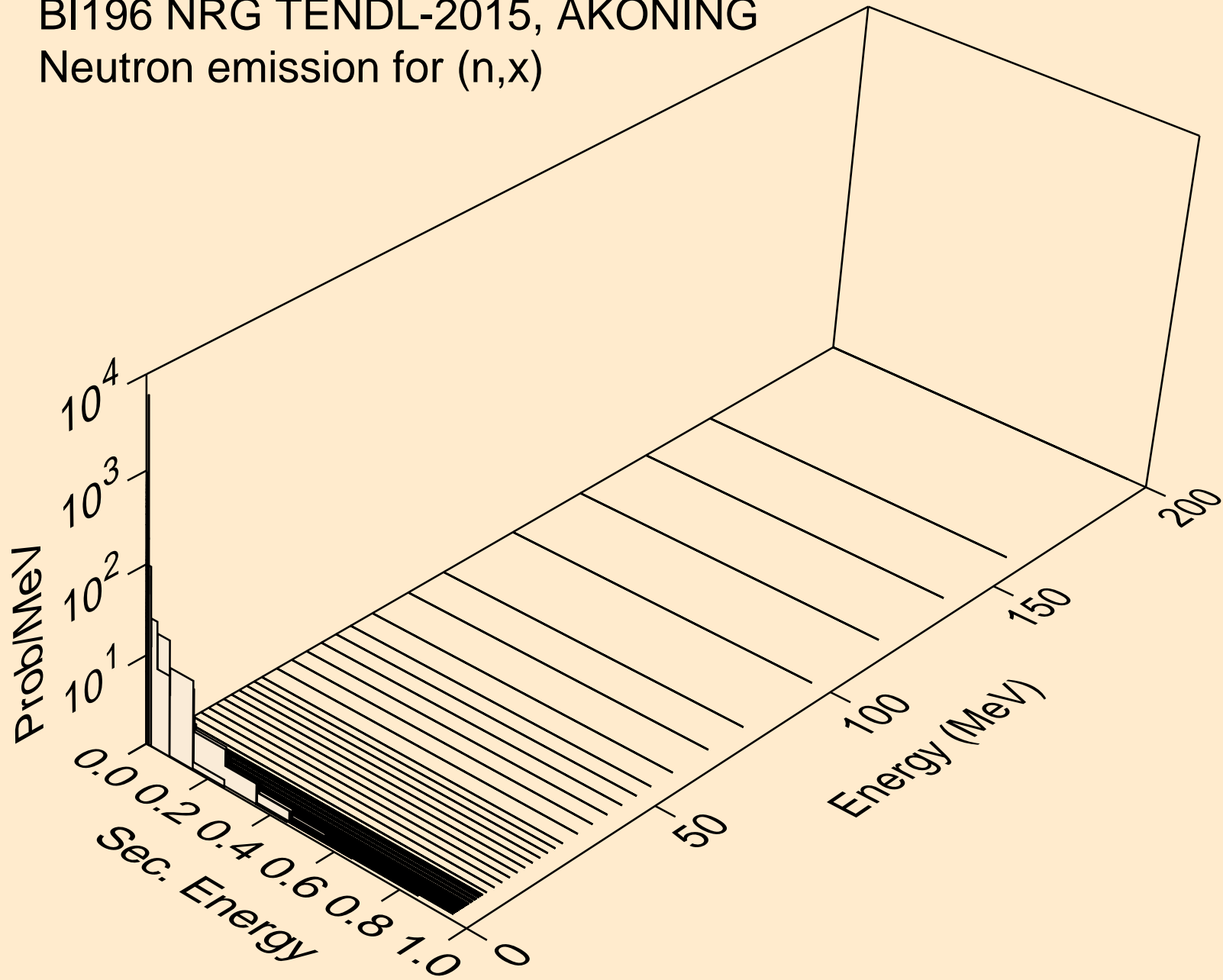
BI196 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



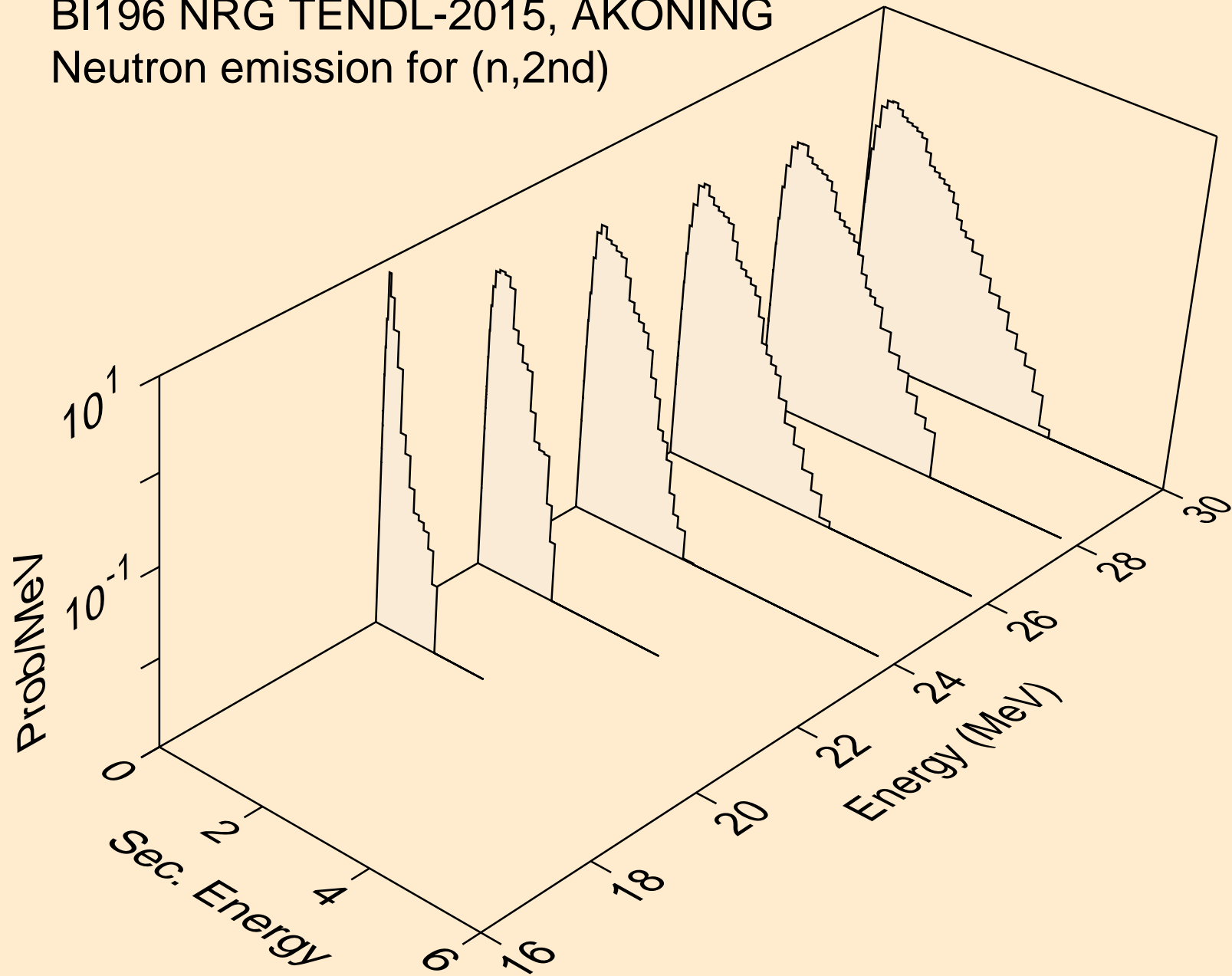
BI196 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)



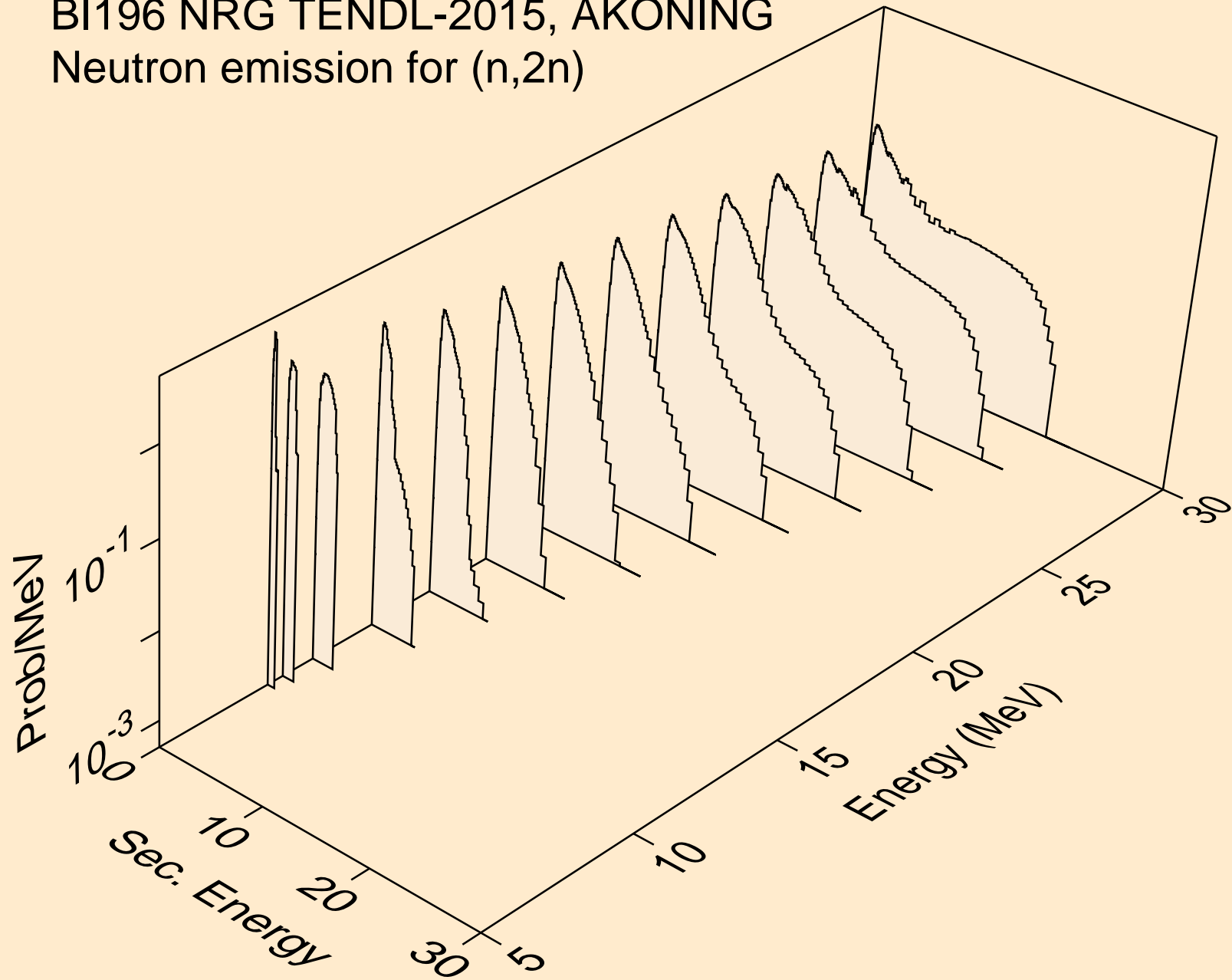
BI196 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



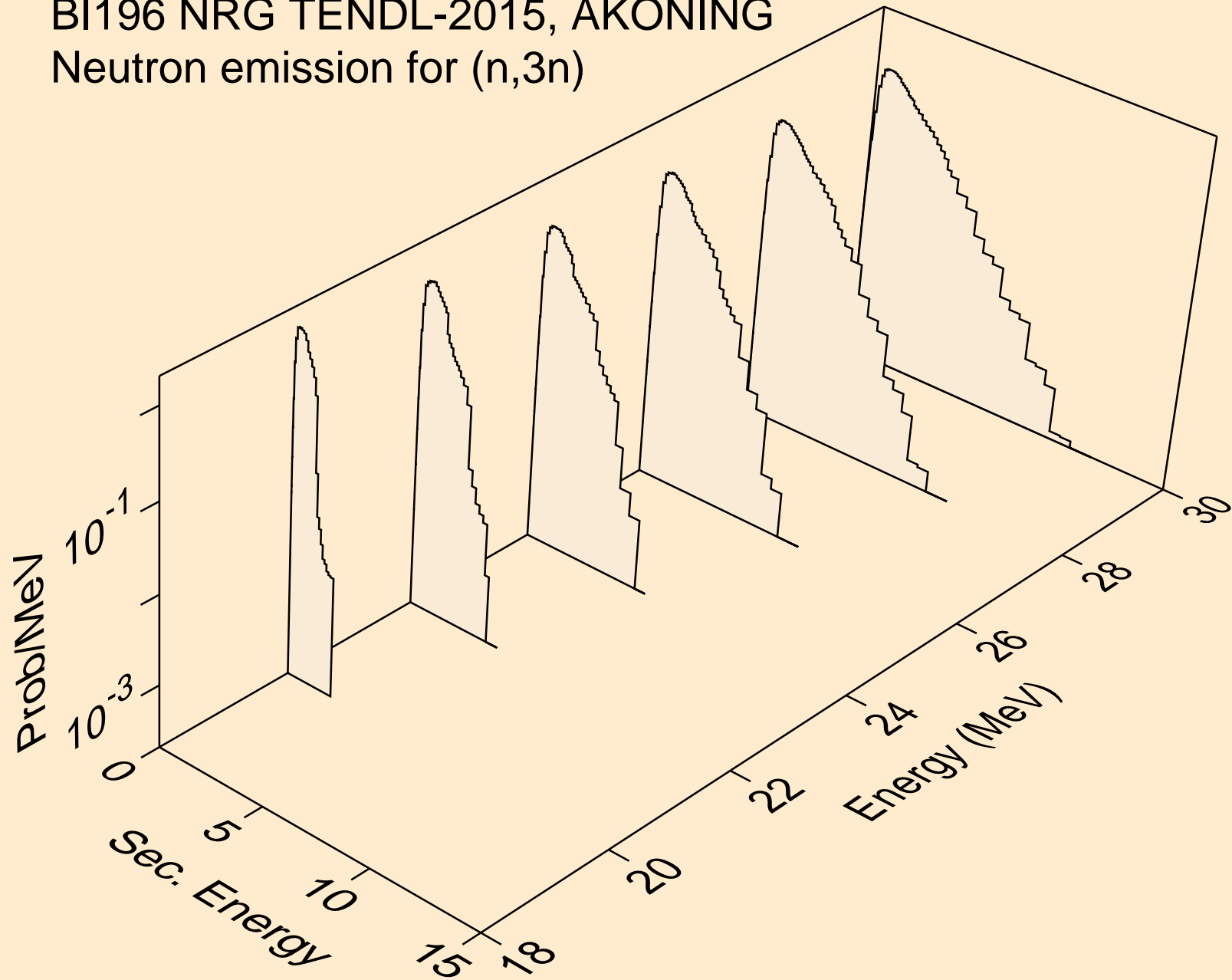
BI196 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



BI196 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)

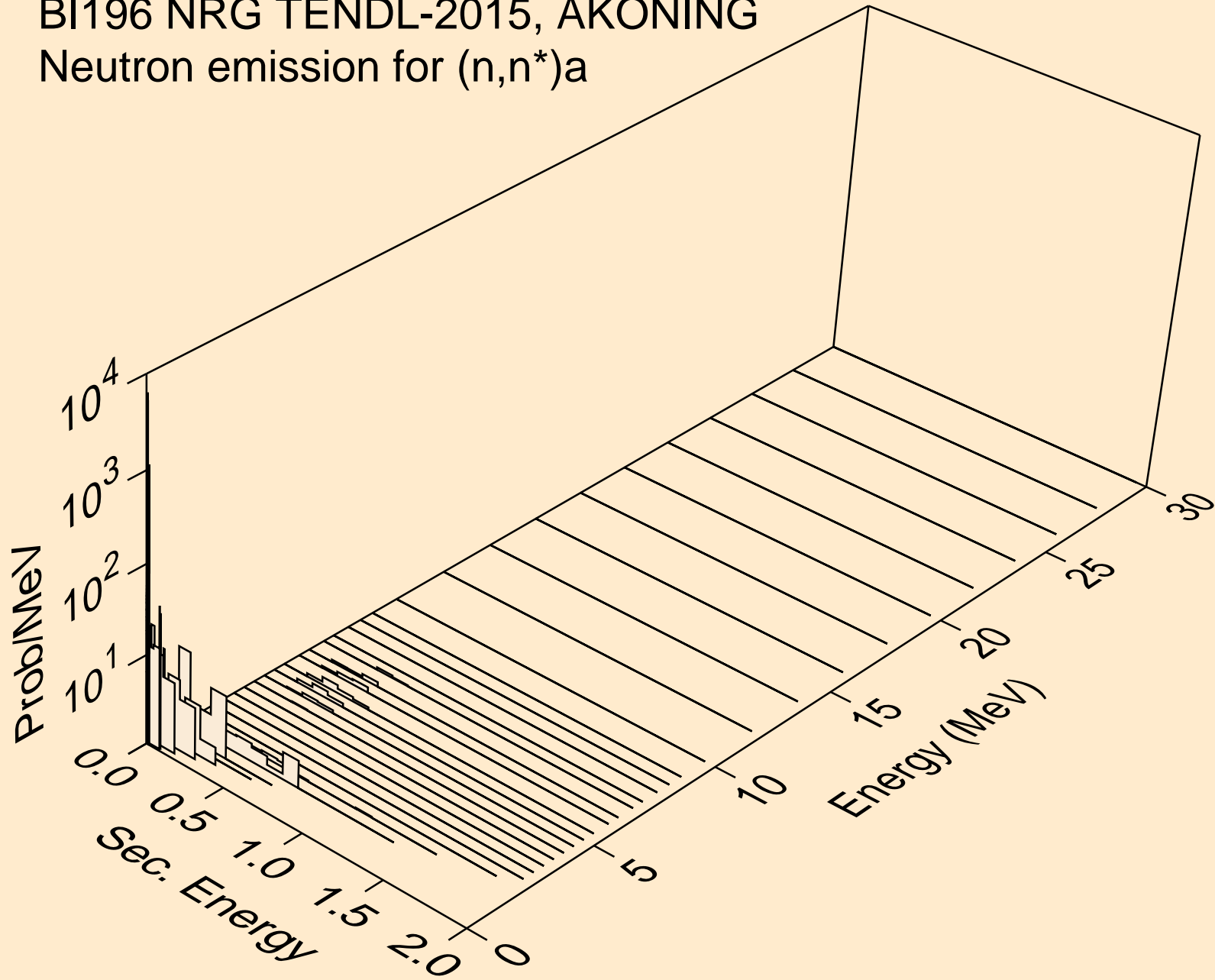


BI196 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)

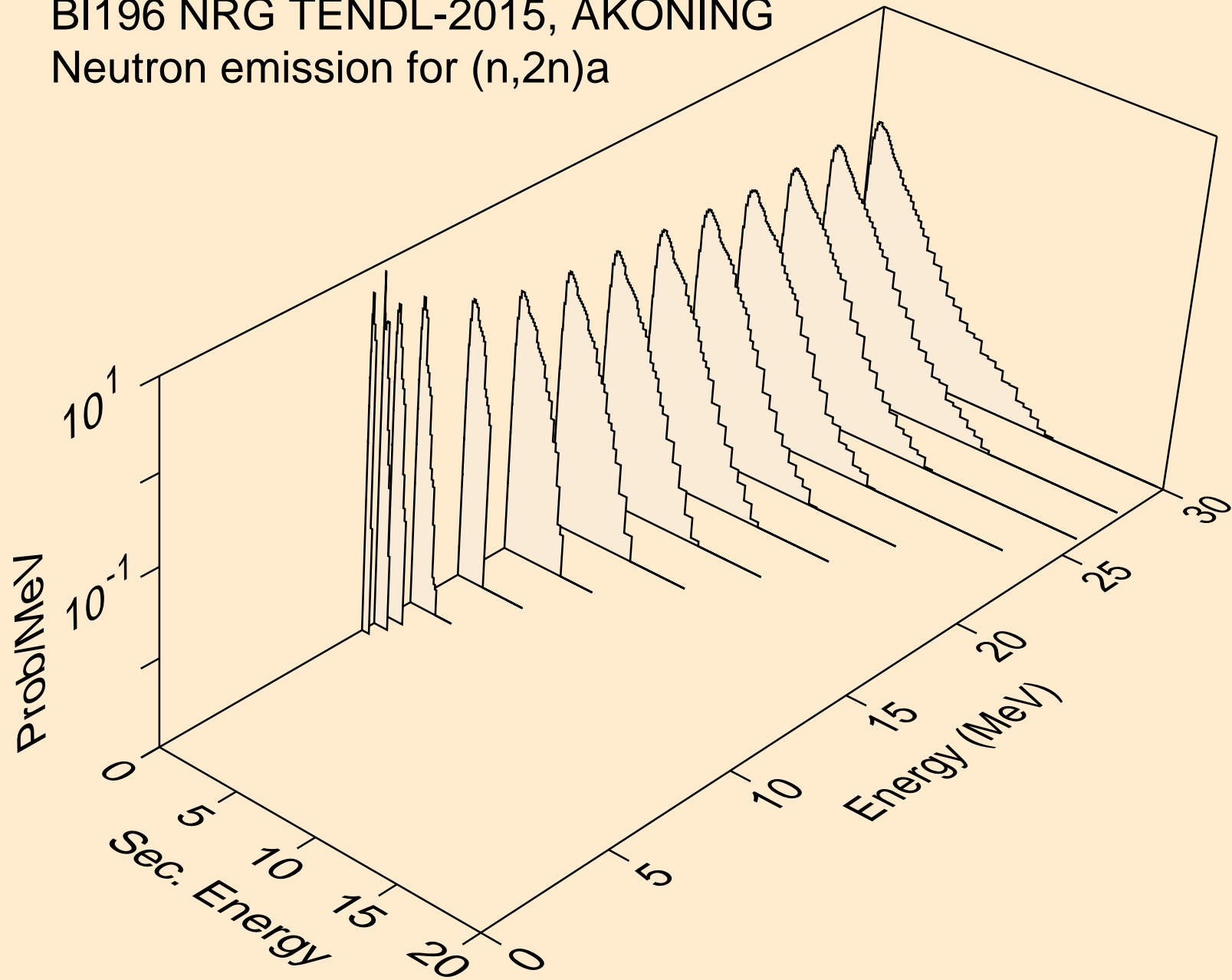




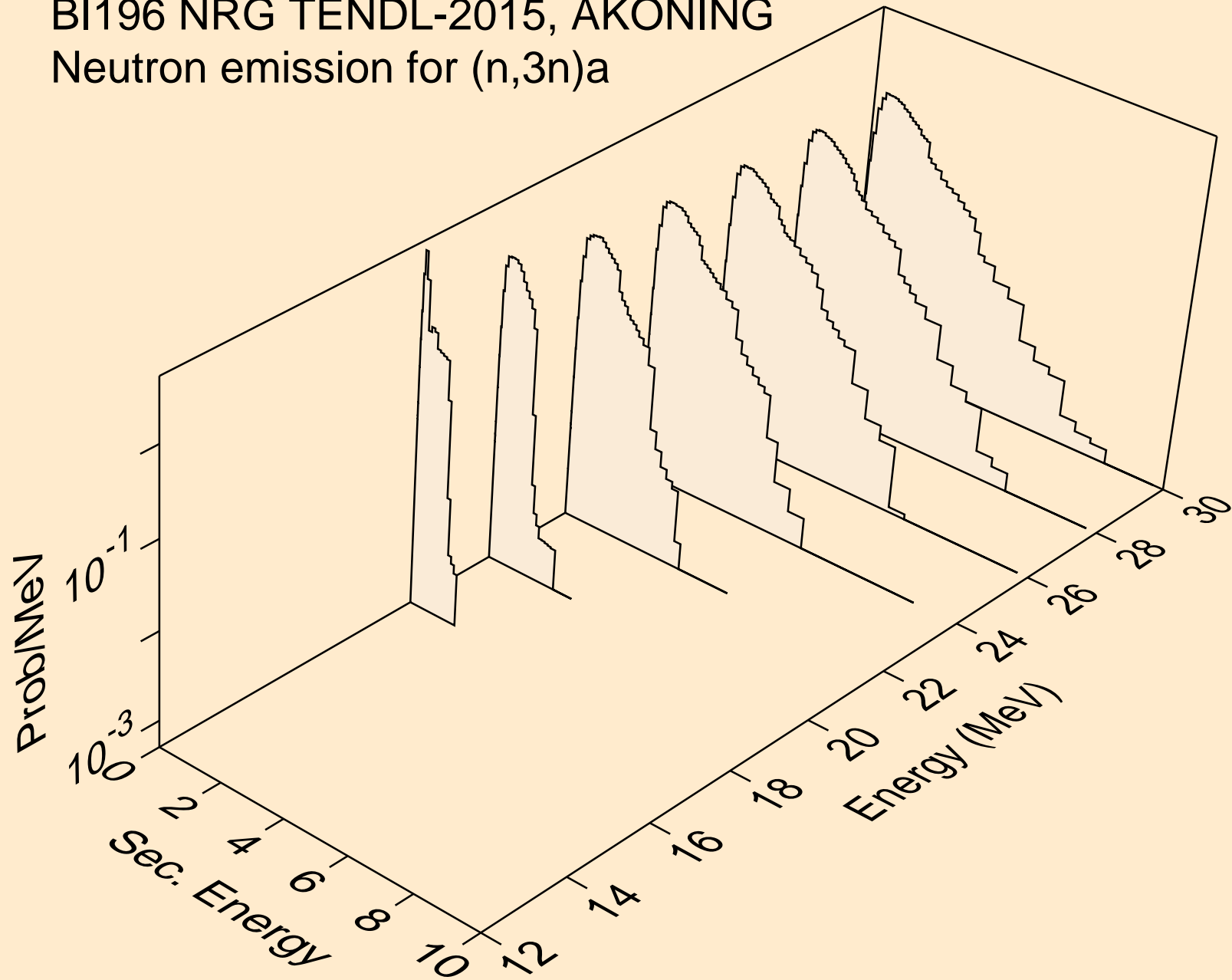
BI196 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



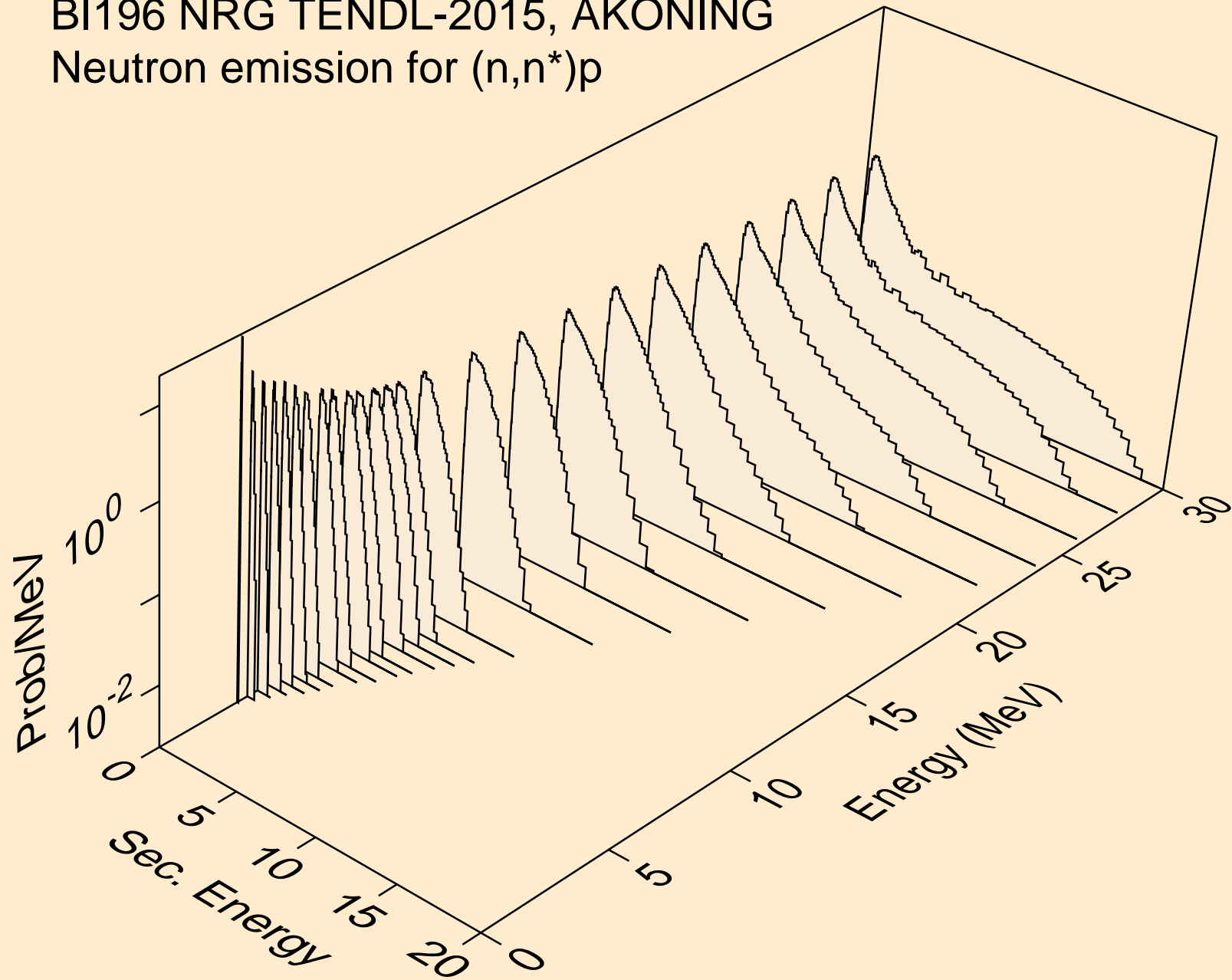
BI196 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



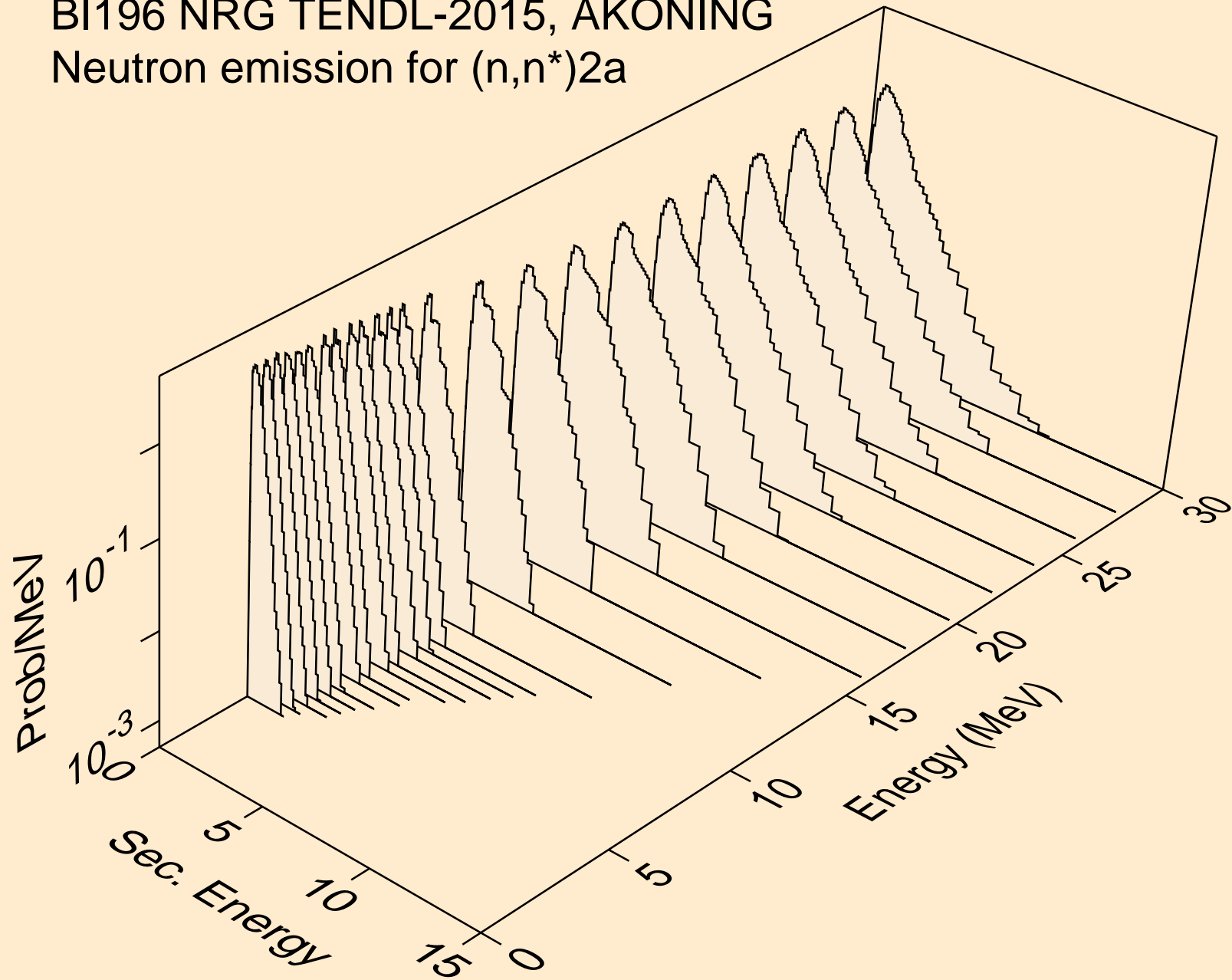
BI196 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



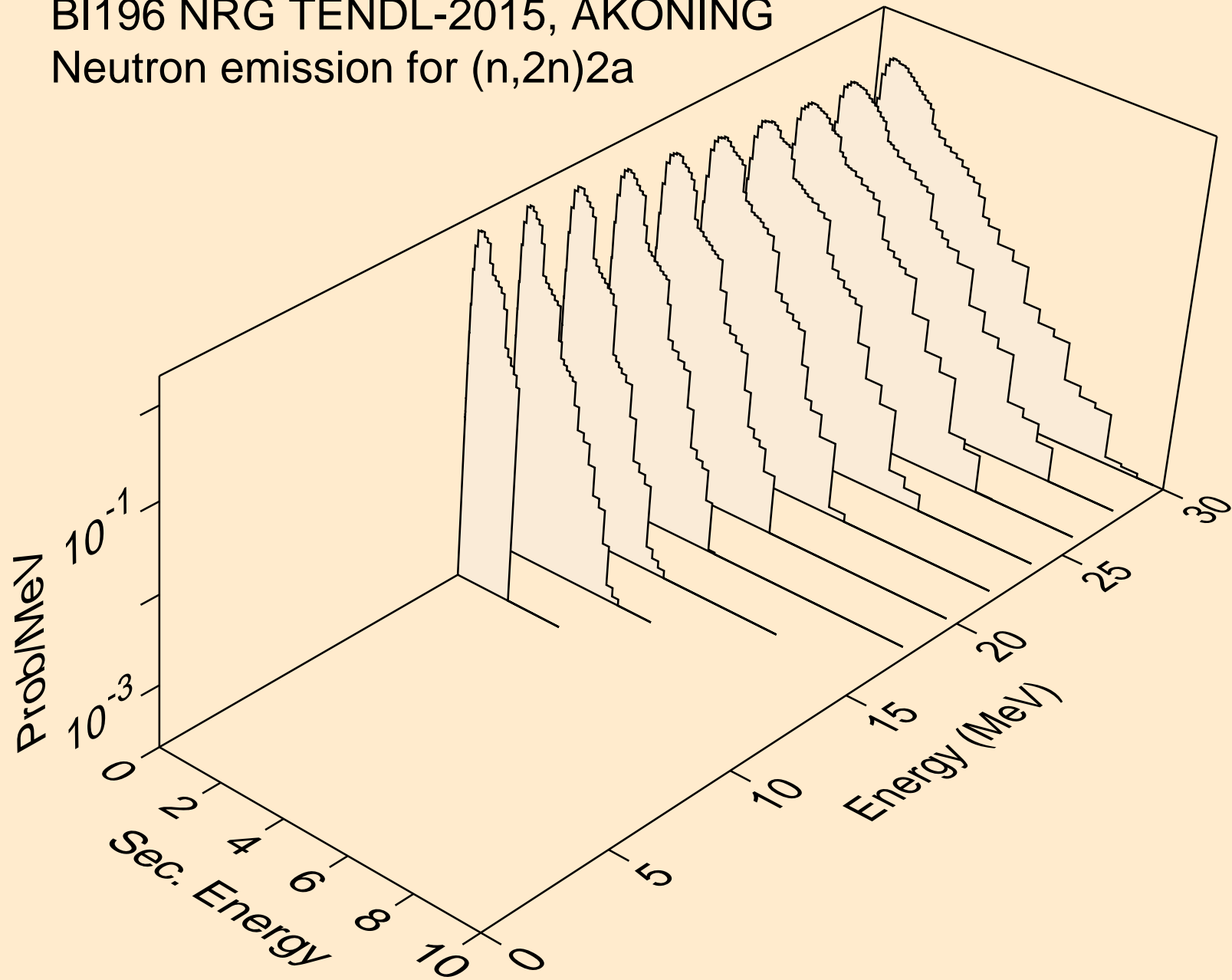
BI196 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



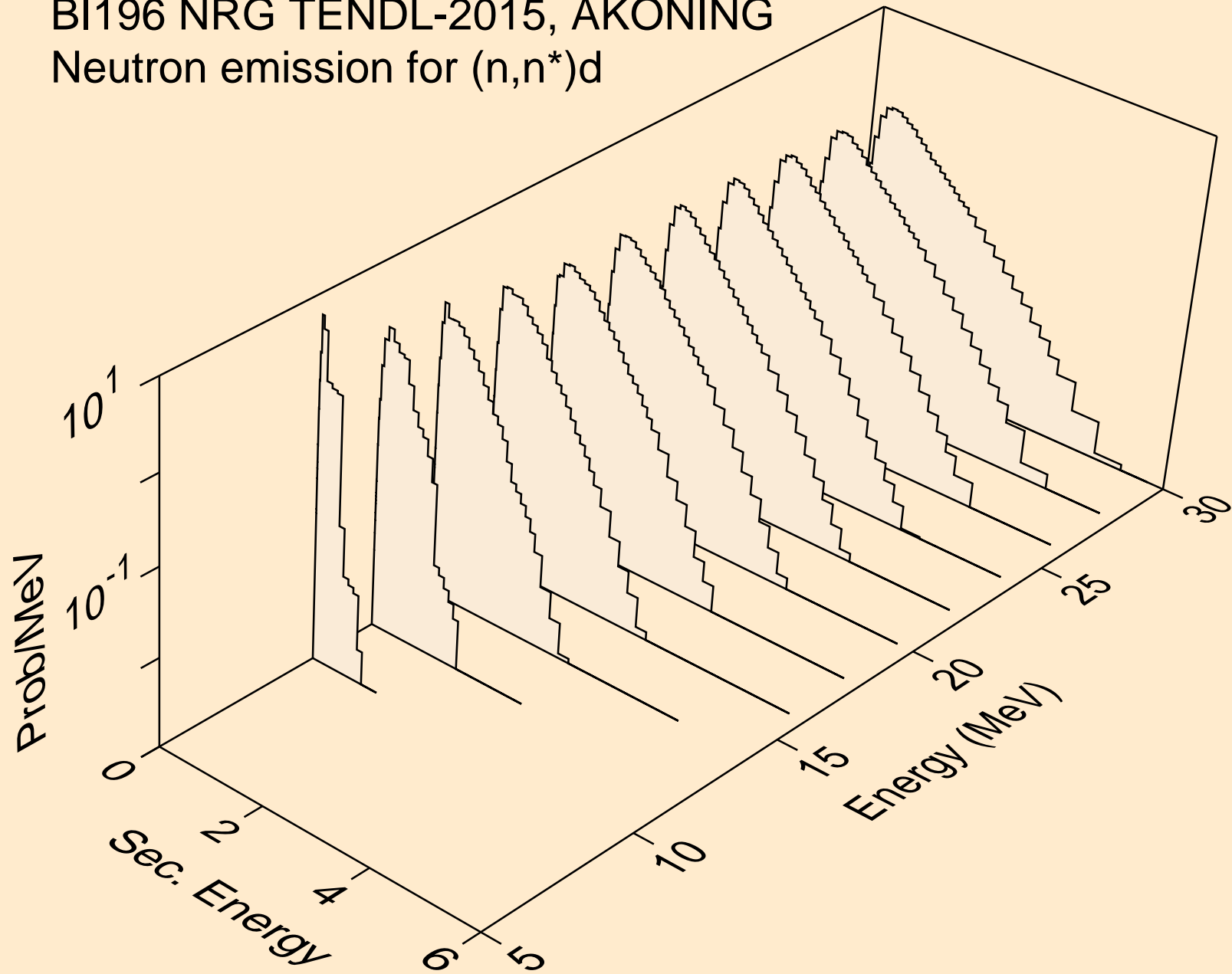
BI196 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



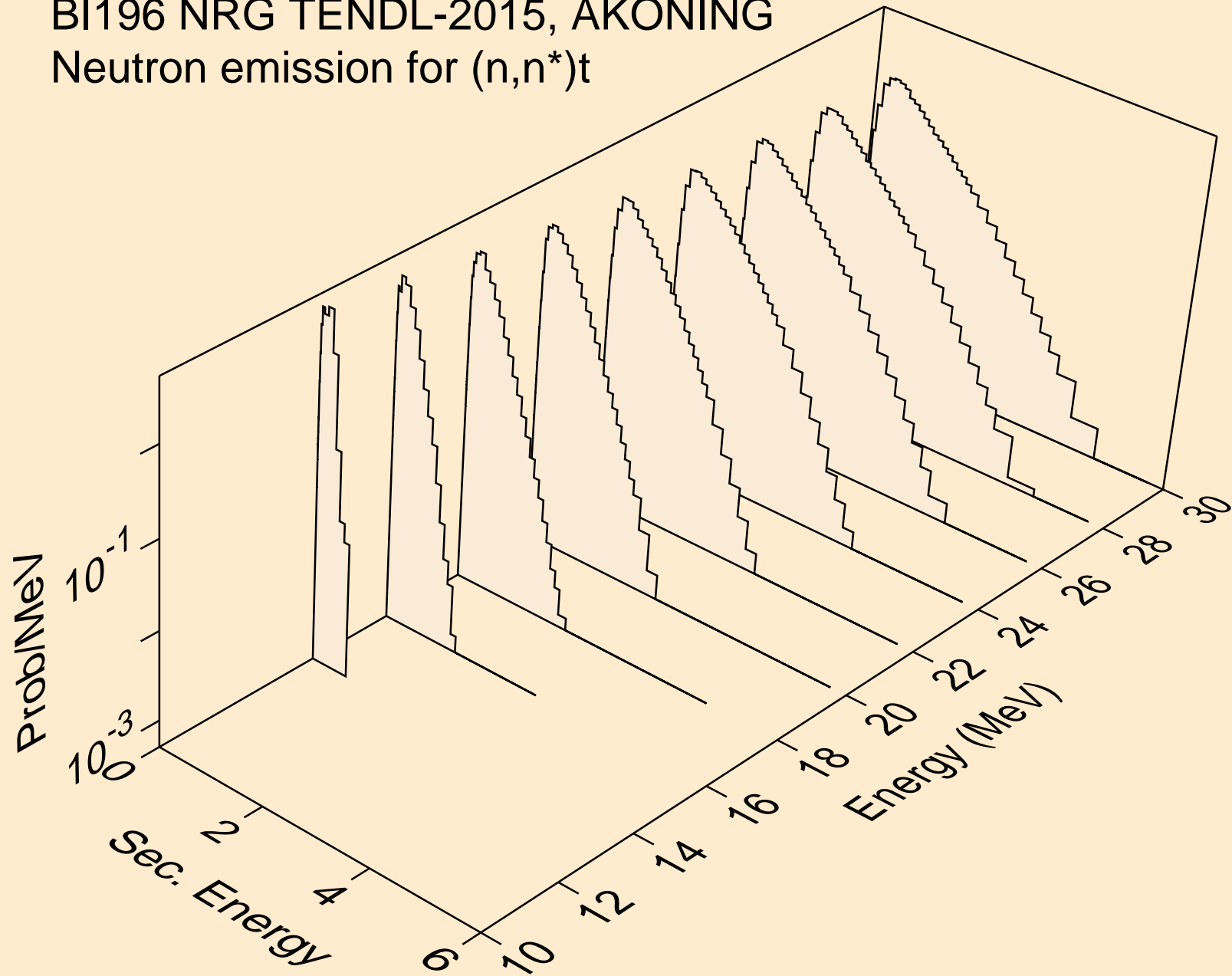
BI196 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)2a



BI196 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d

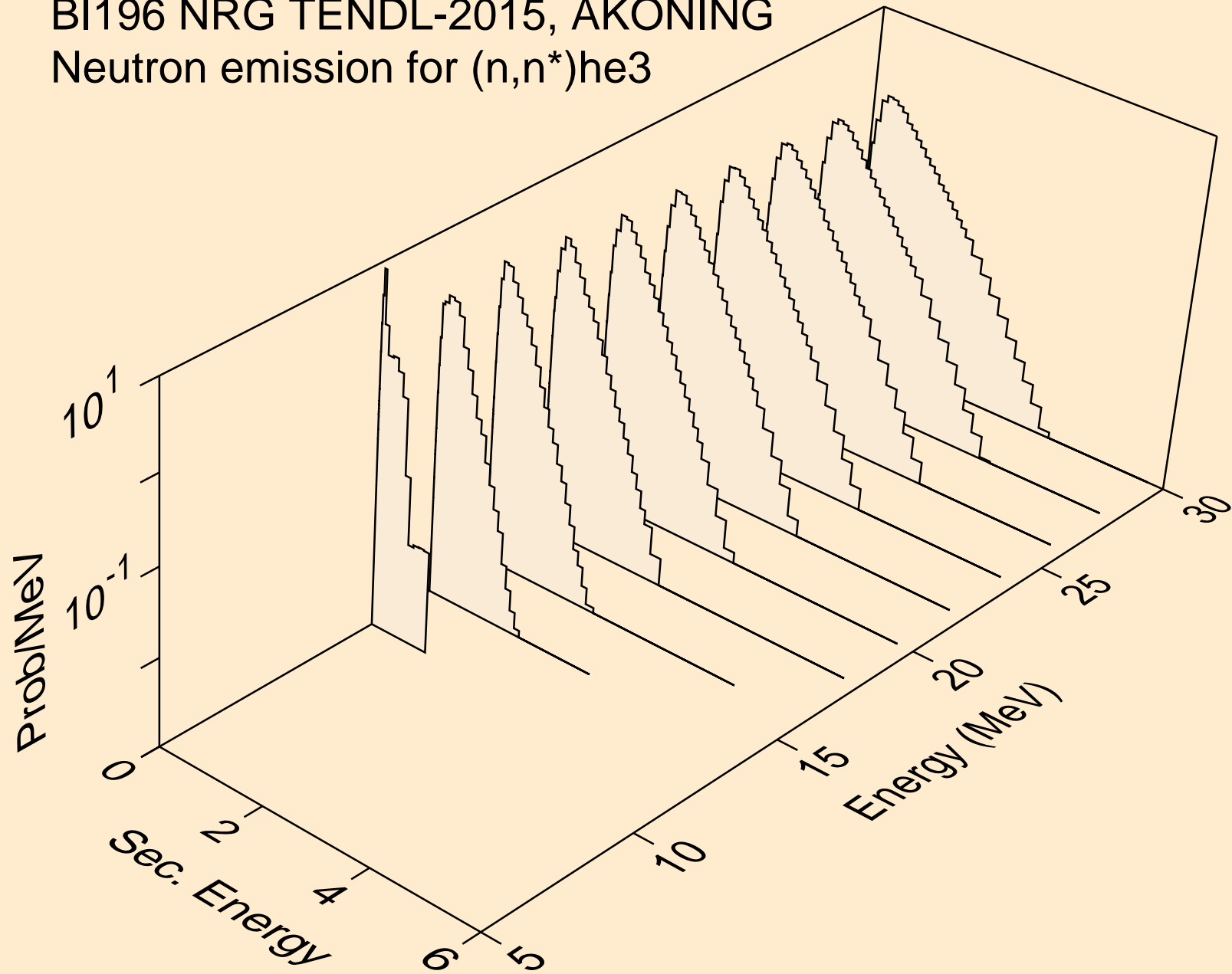


BI196 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t

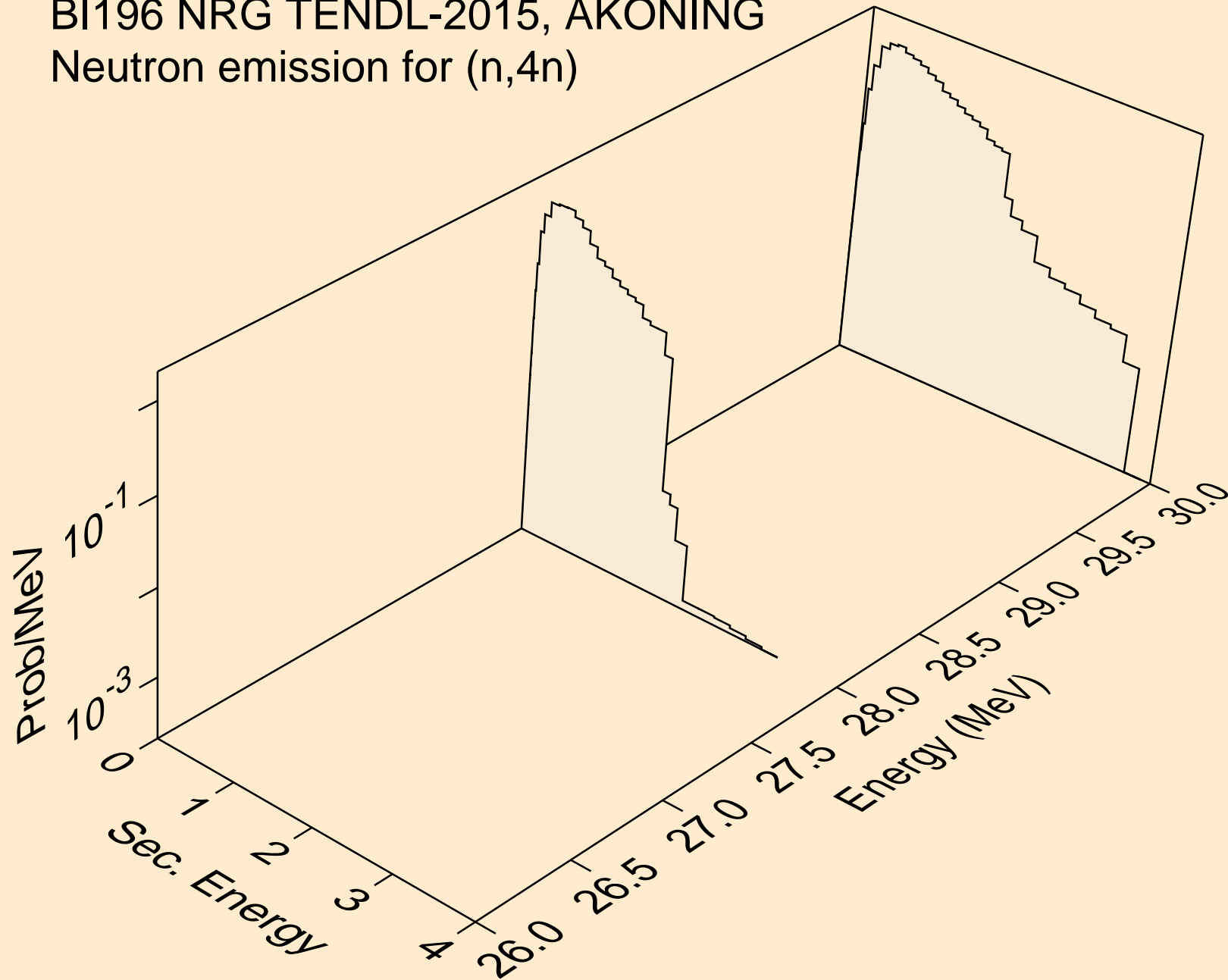




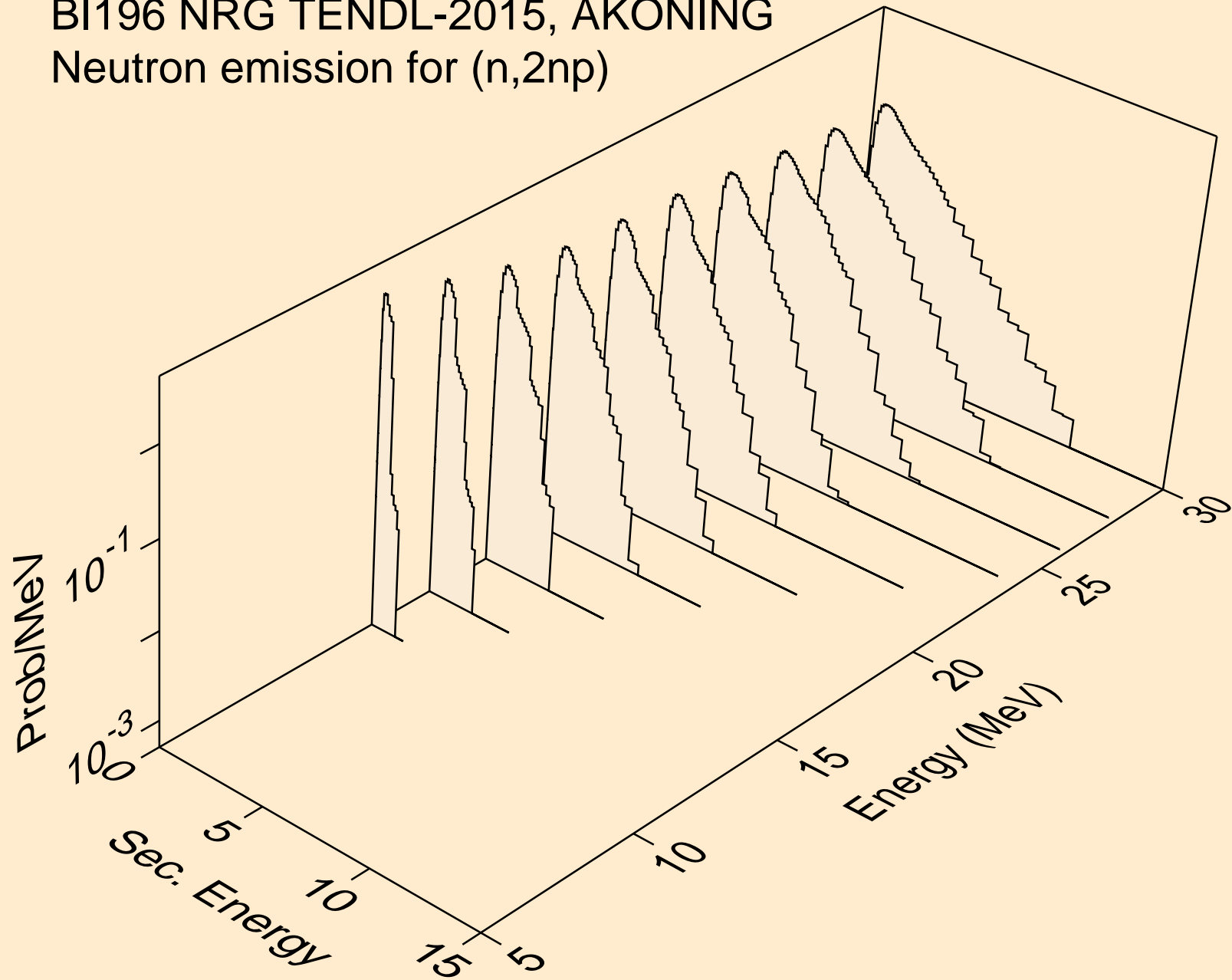
BI196 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



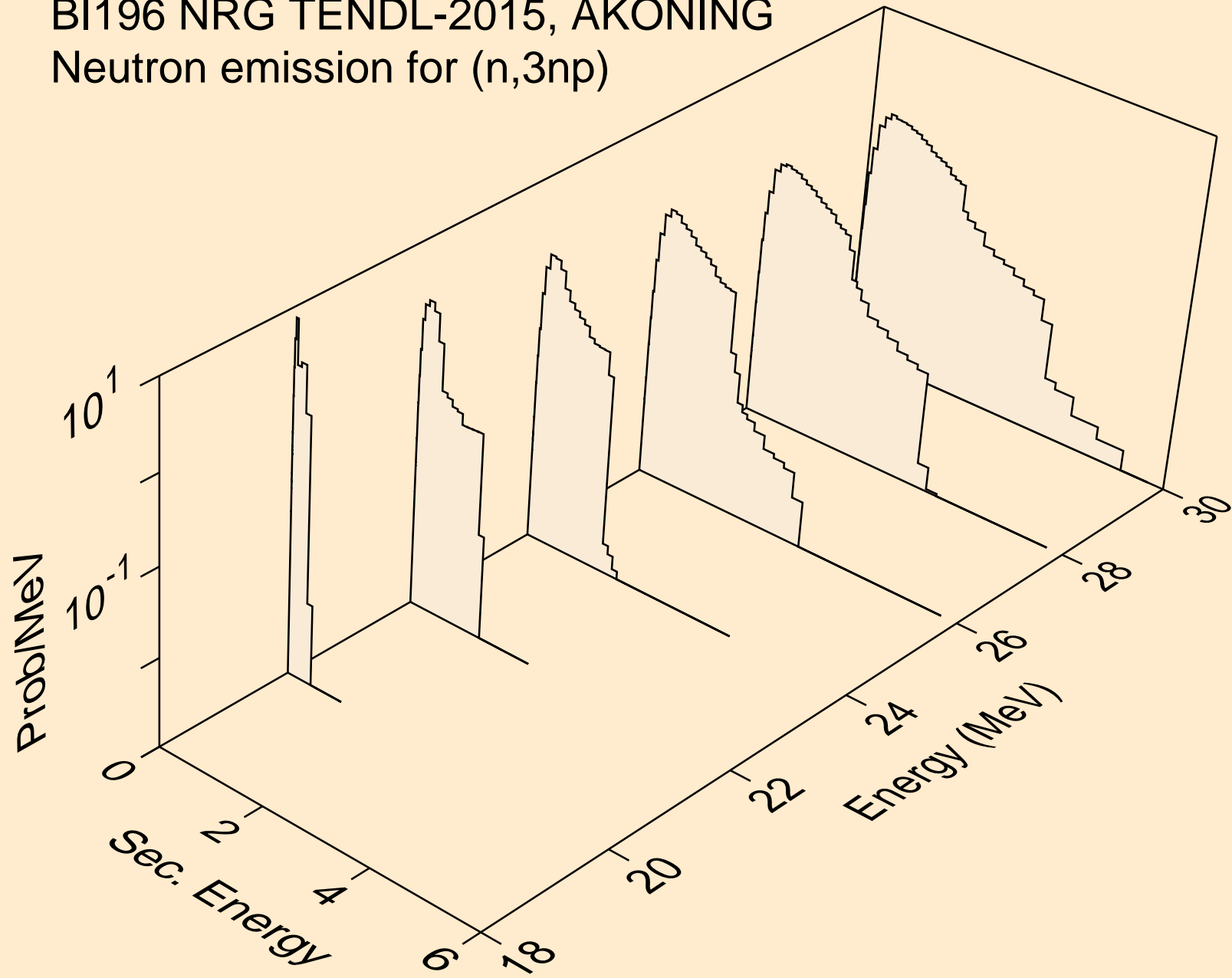
BI196 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



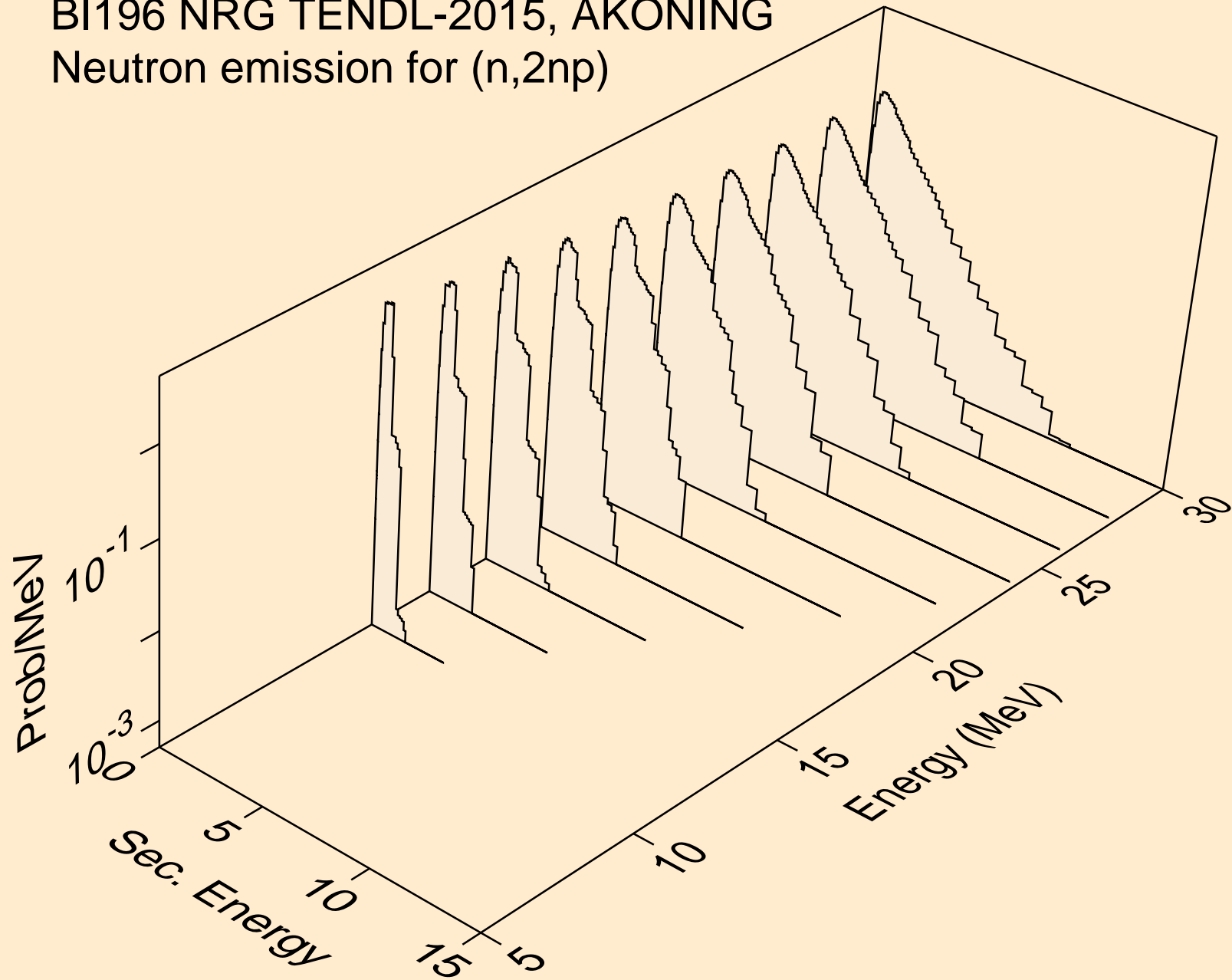
BI196 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



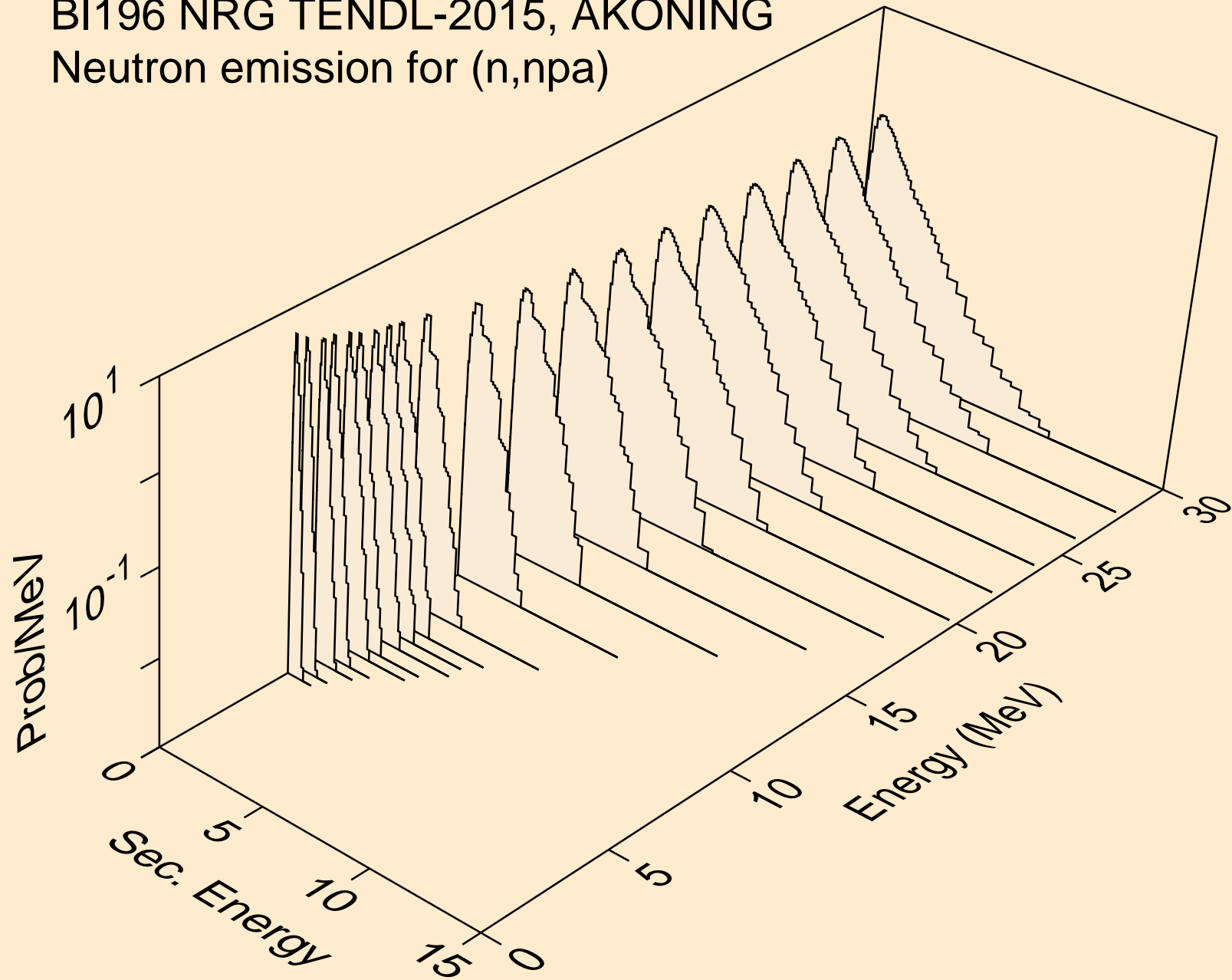
BI196 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



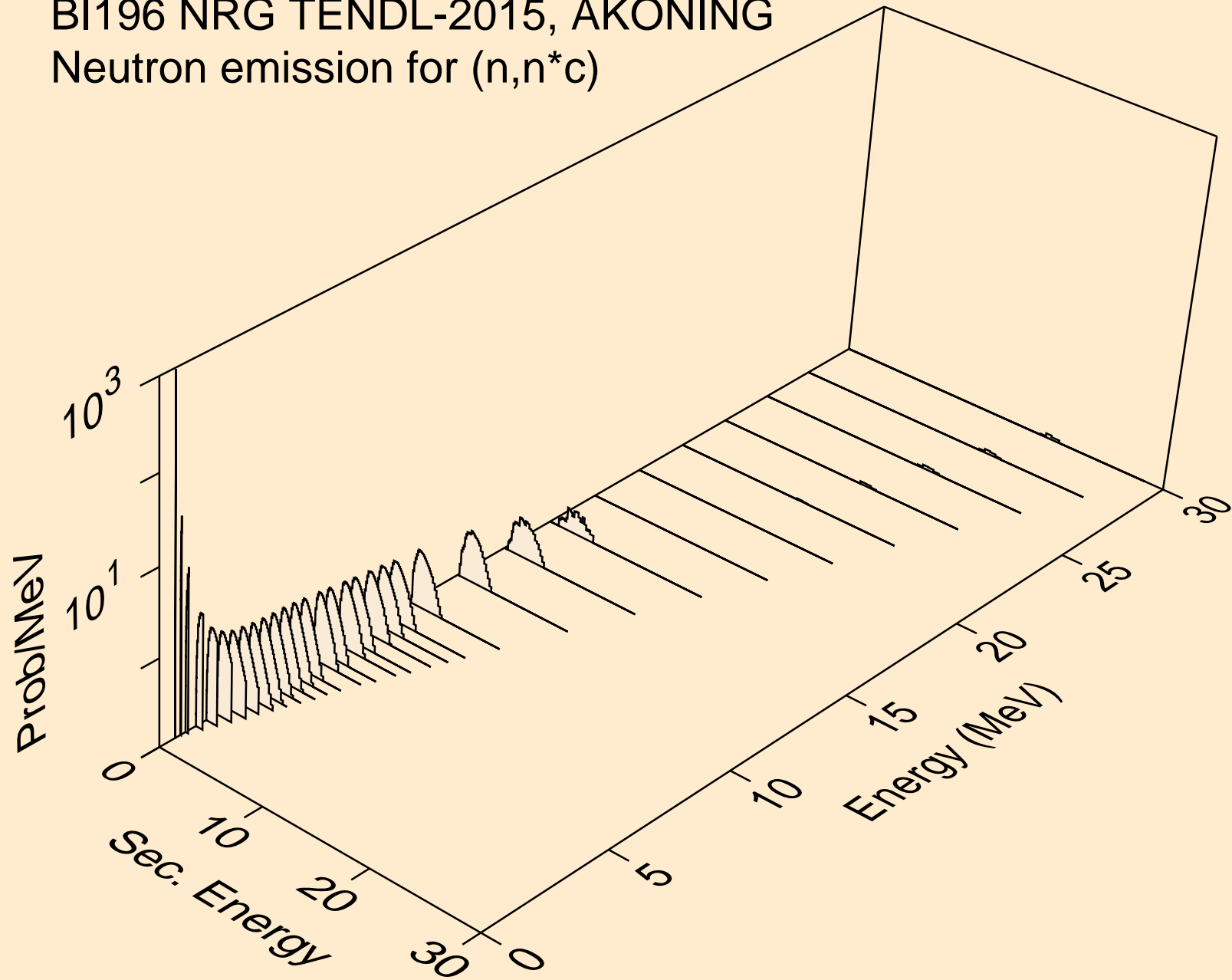
BI196 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



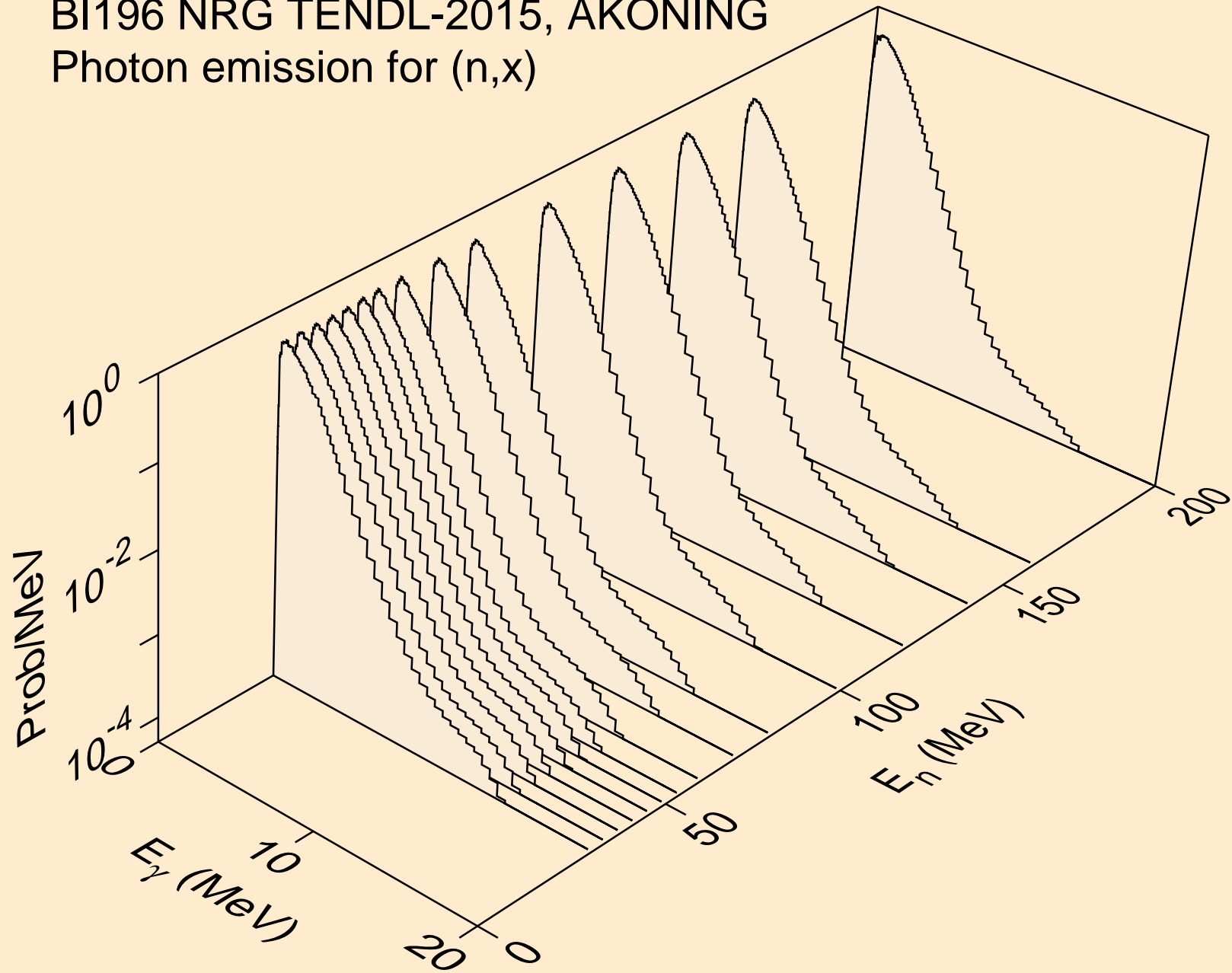
BI196 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



BI196 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)

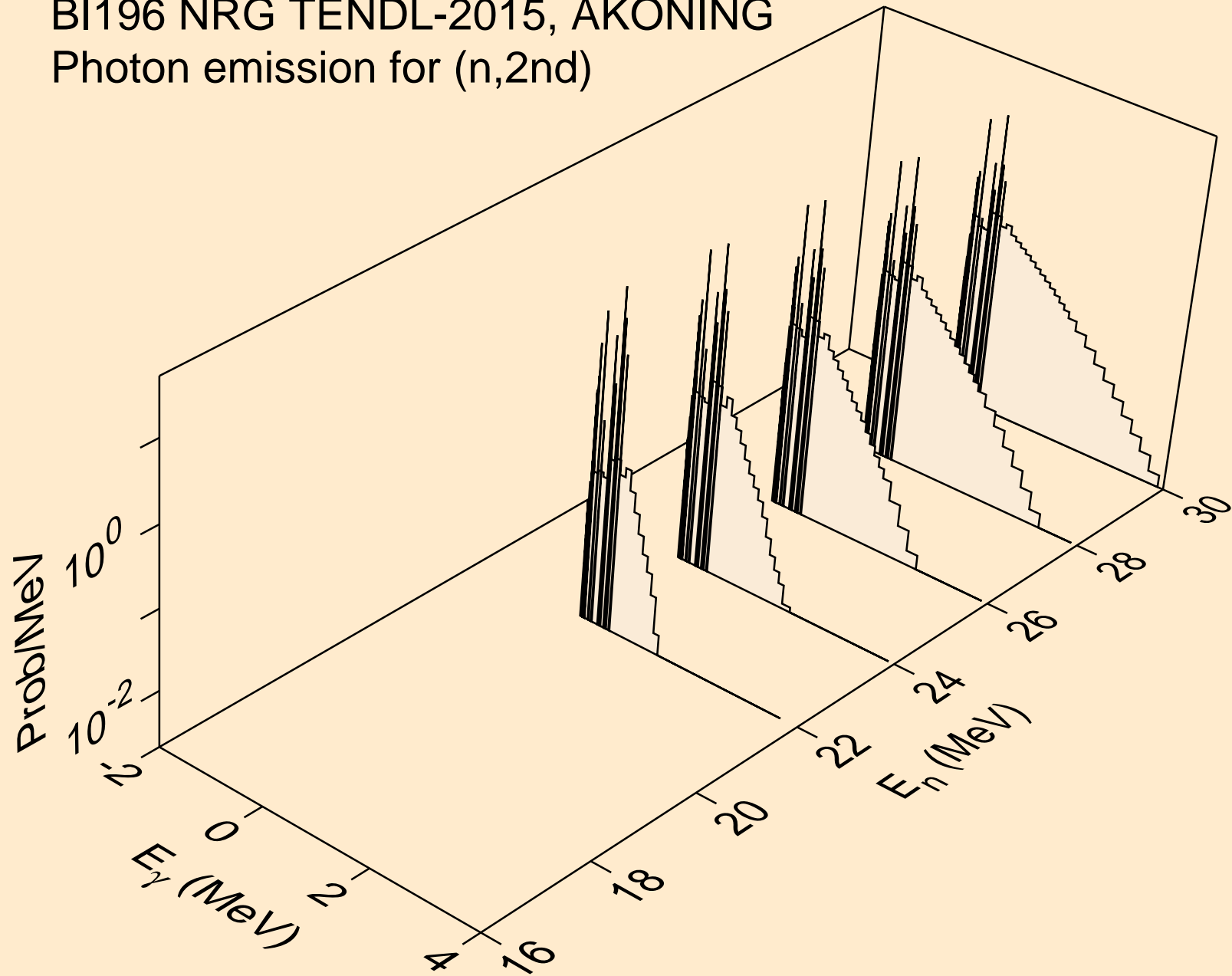


BI196 NRG TENDL-2015, AKONING  
Photon emission for (n,x)

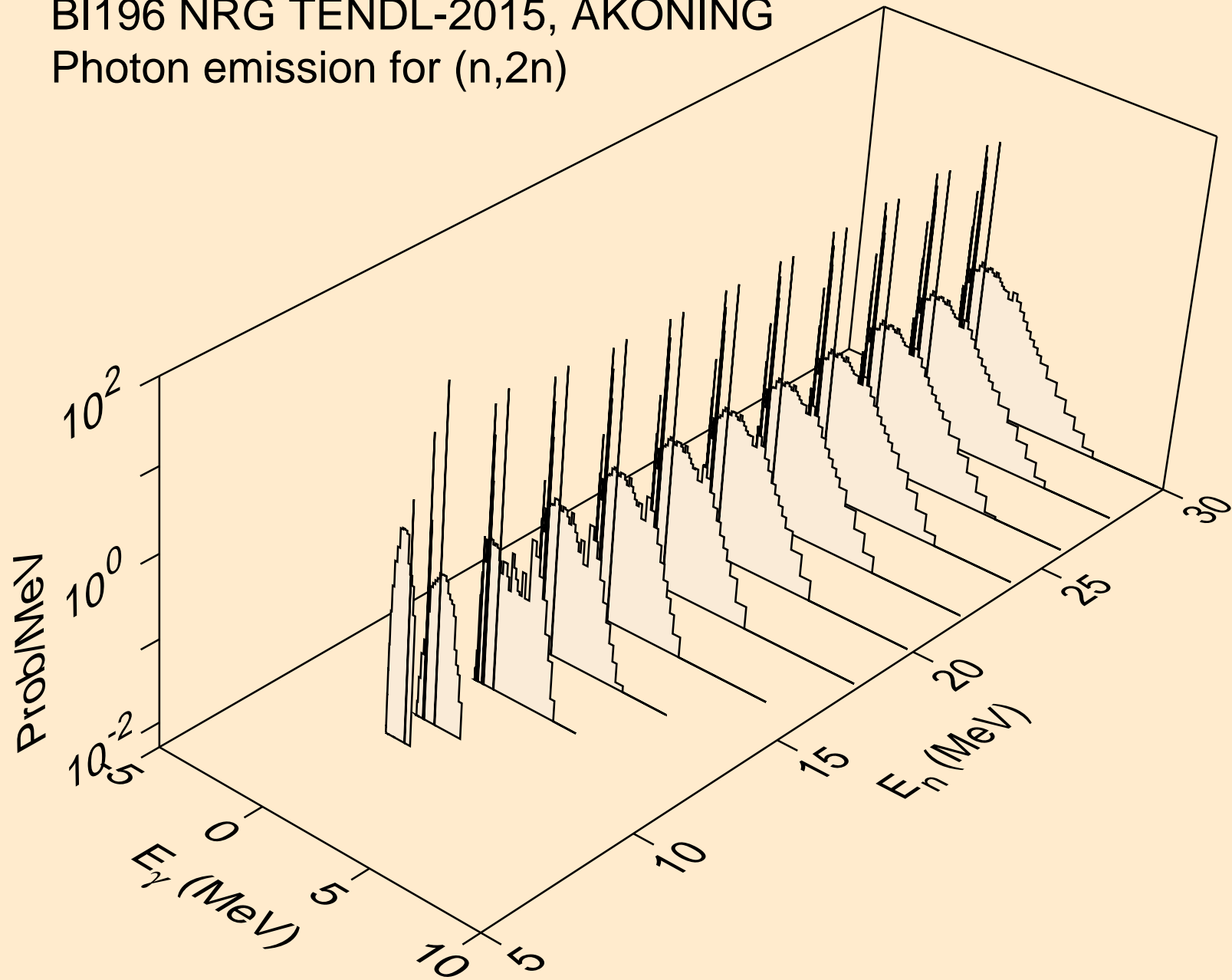




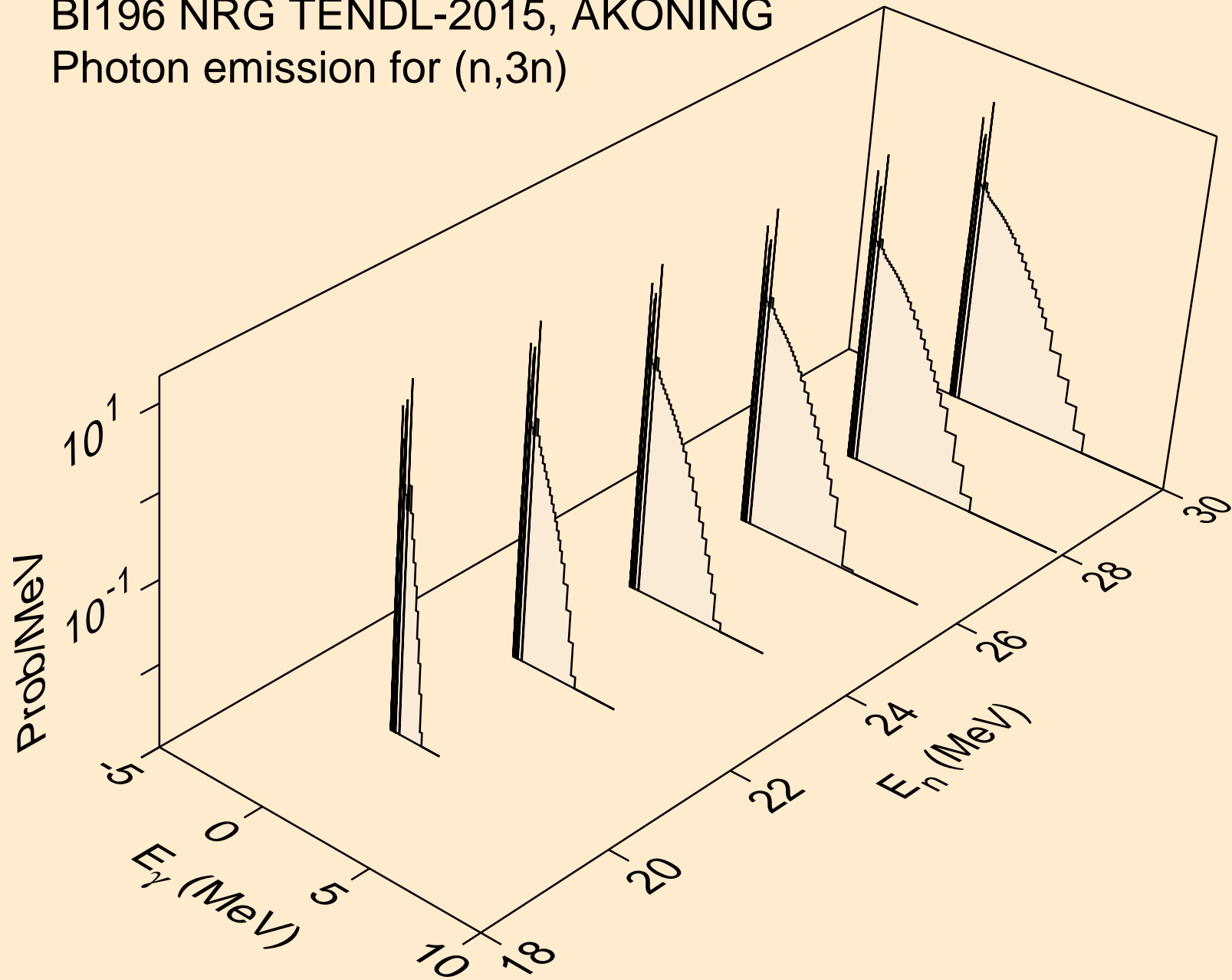
BI196 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



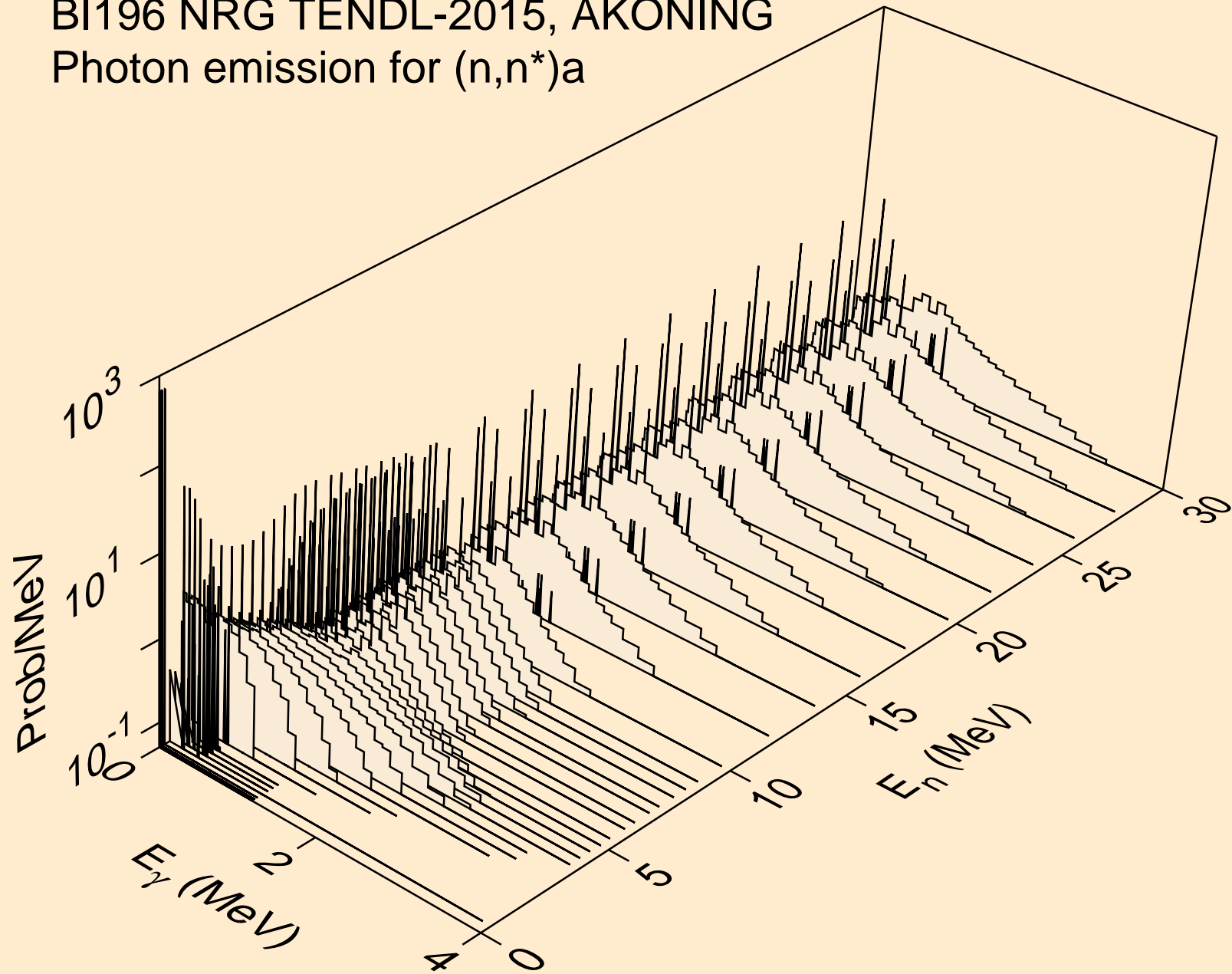
BI196 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



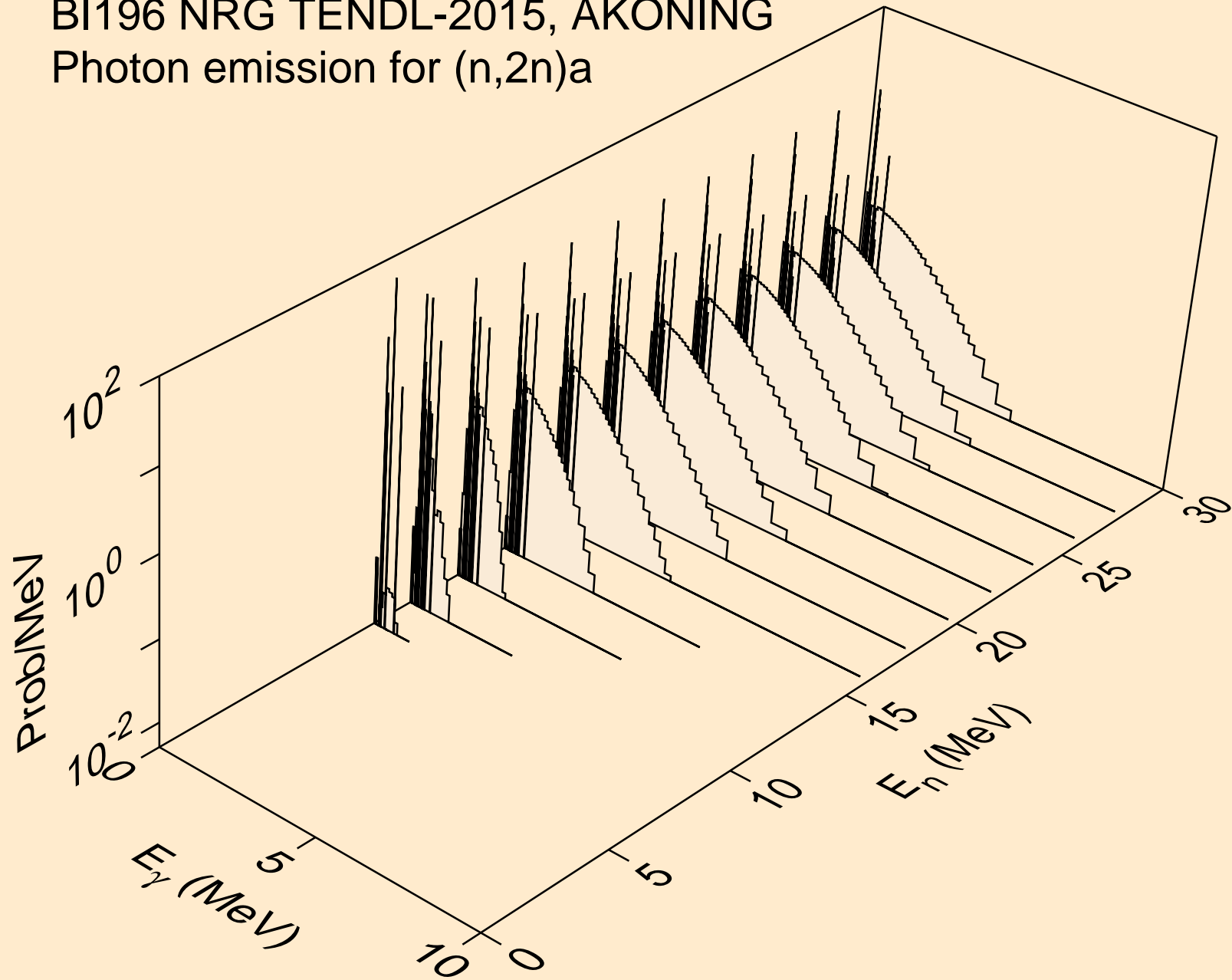
BI196 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



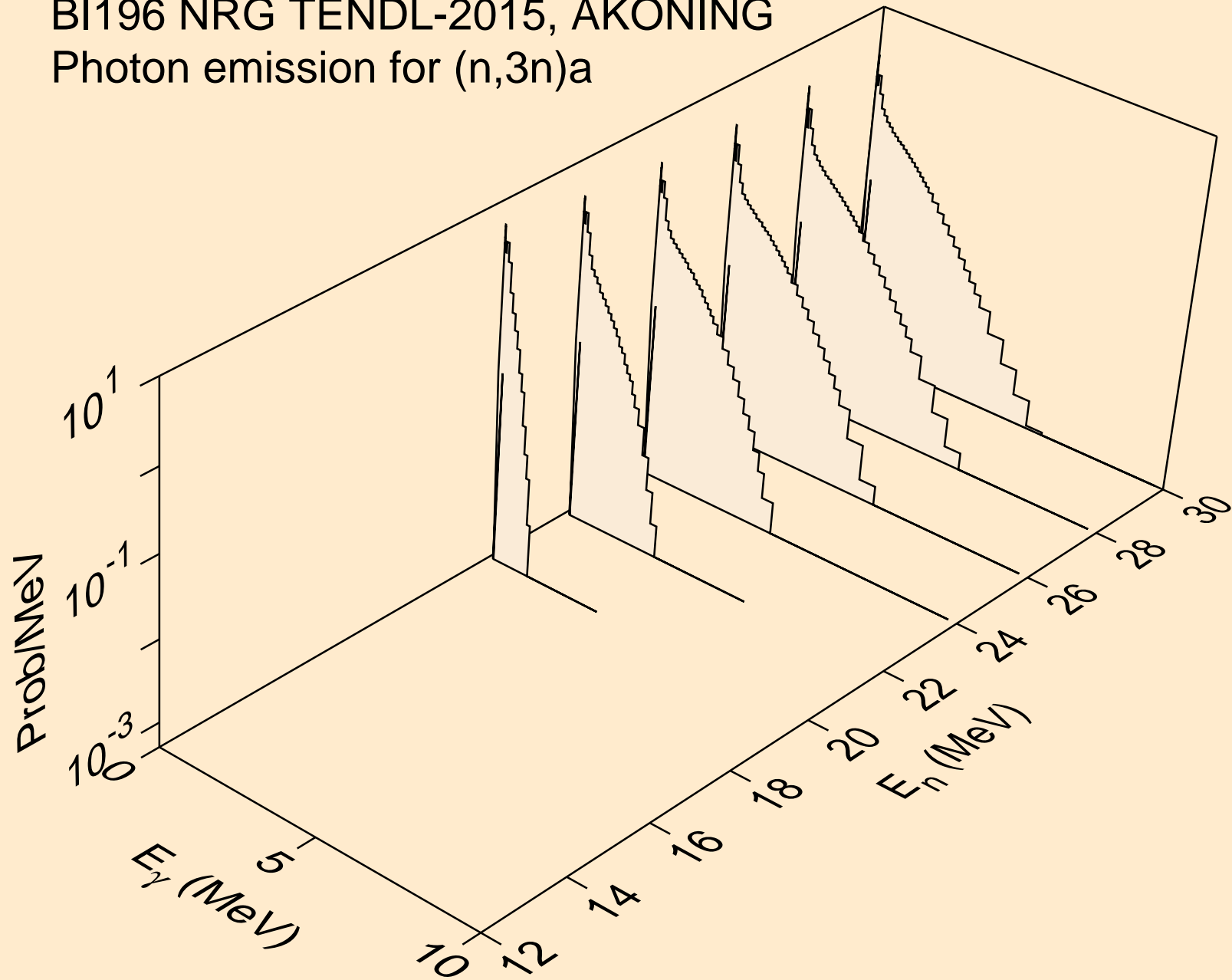
BI196 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



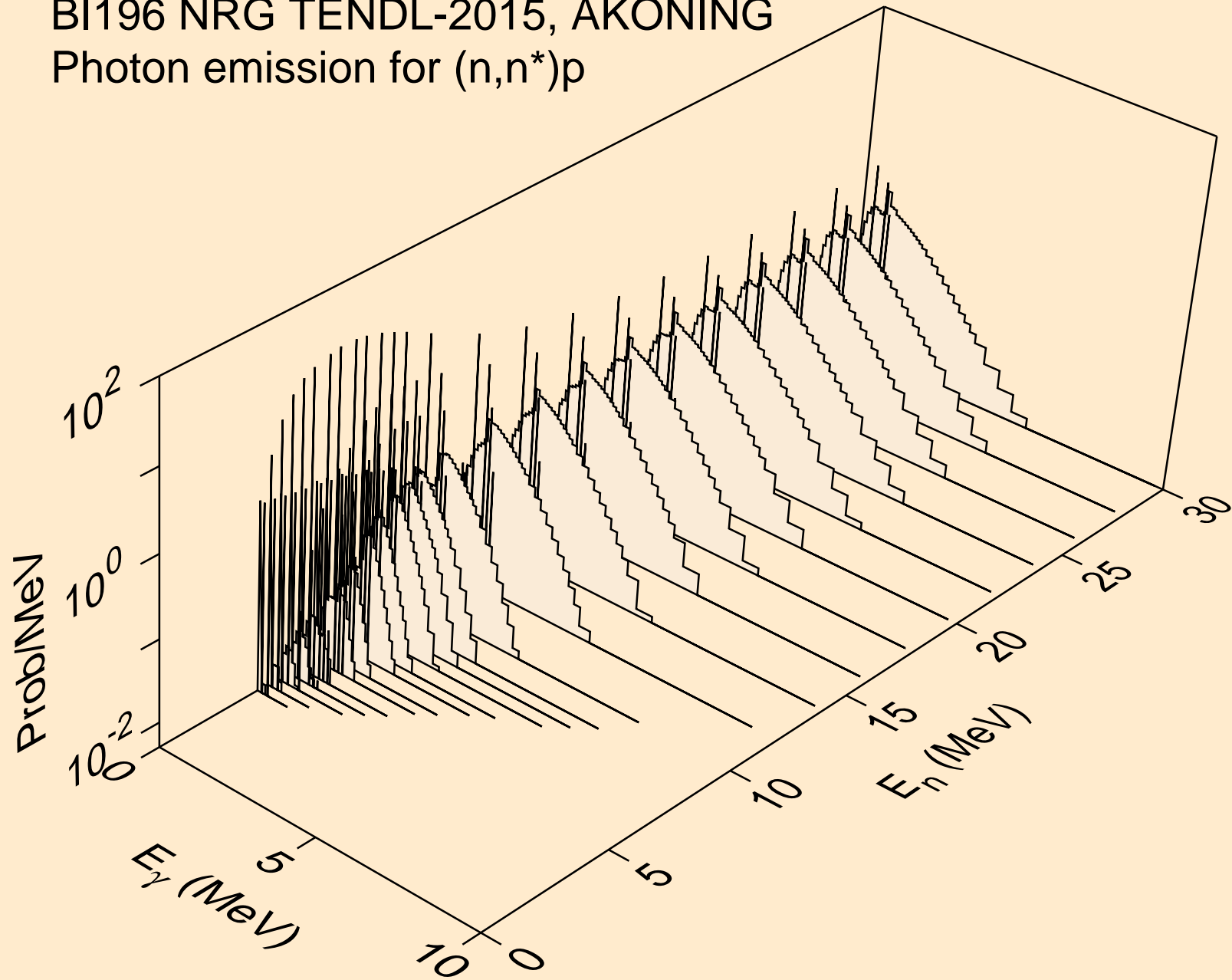
BI196 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



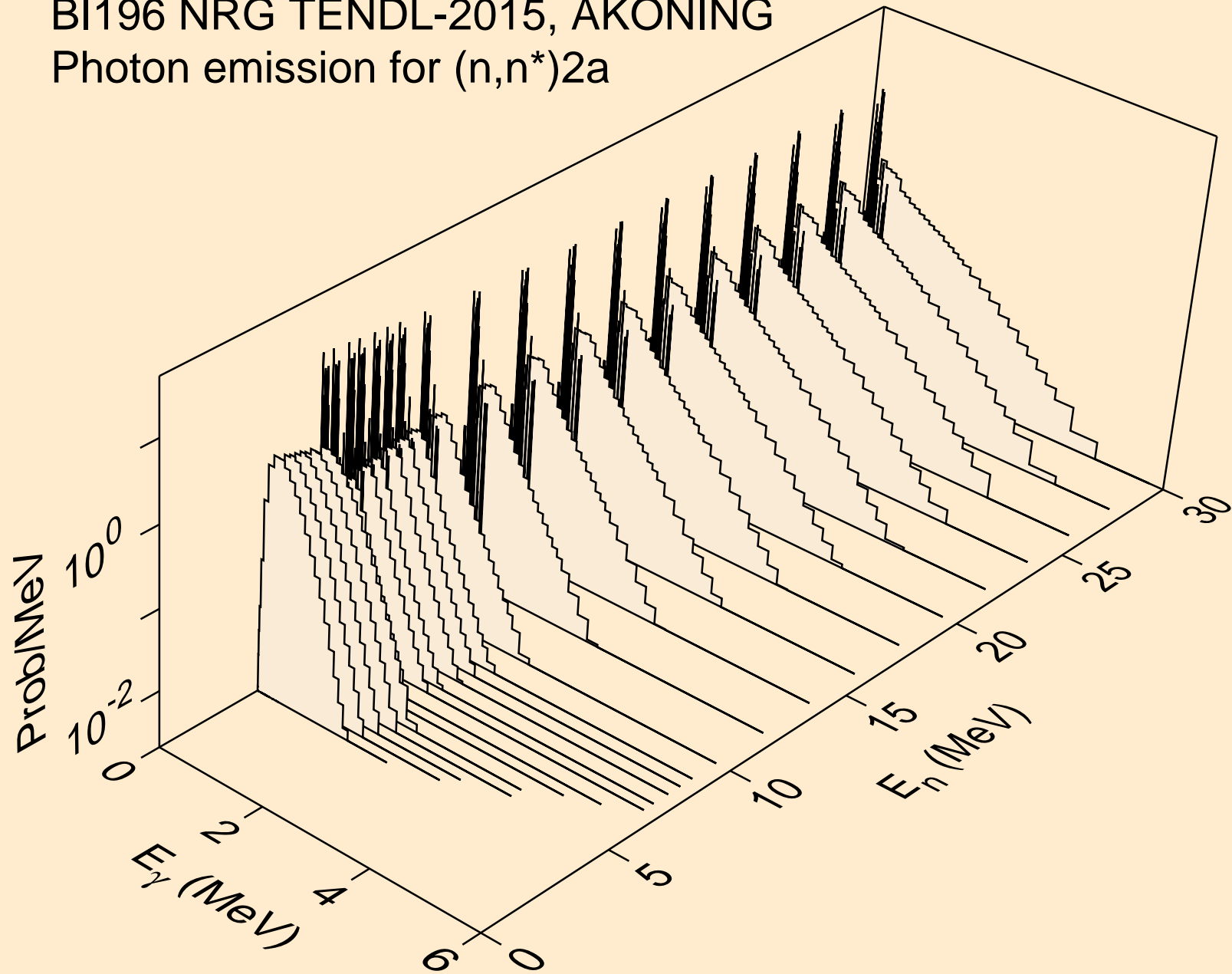
BI196 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



BI196 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p

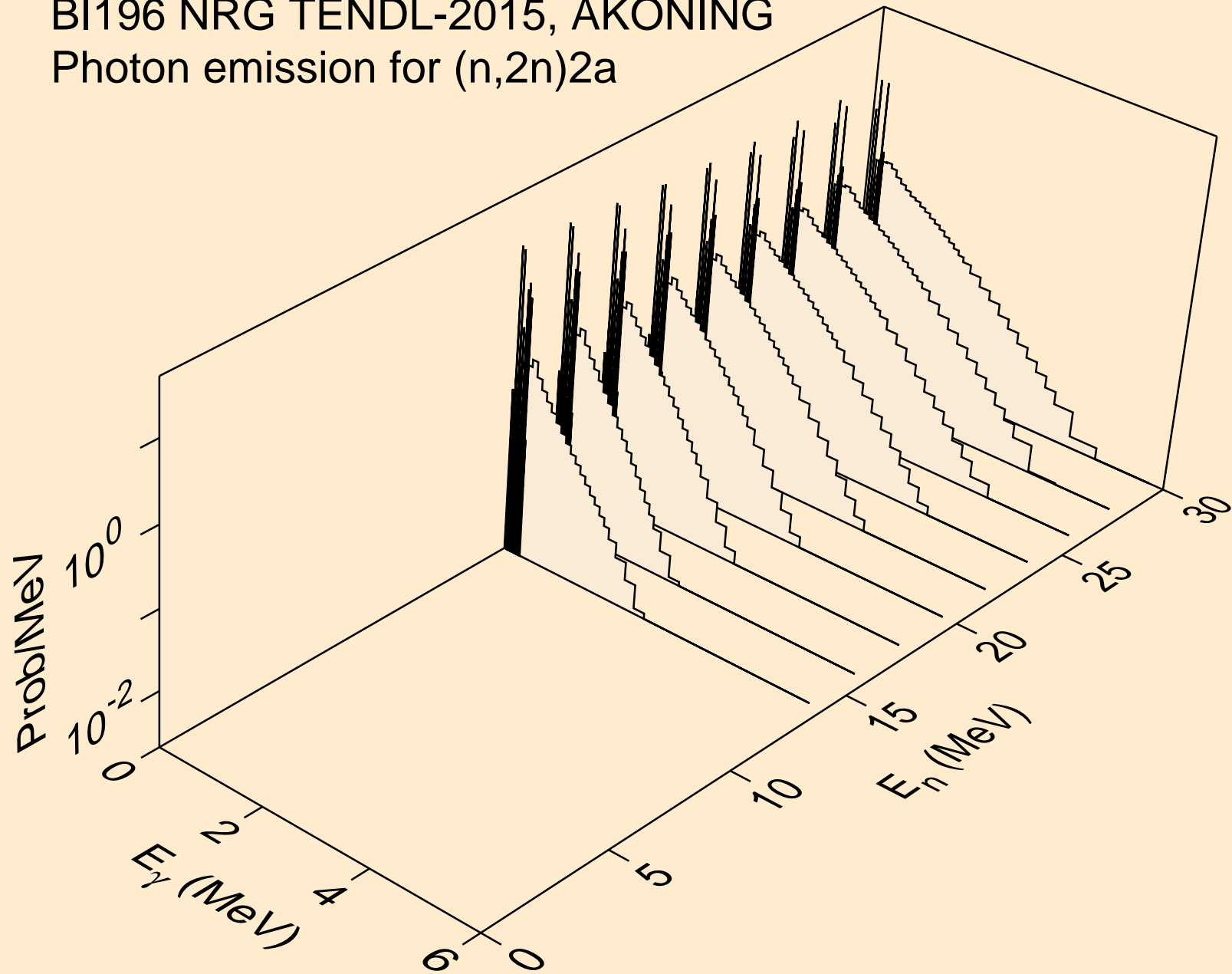


BI196 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a

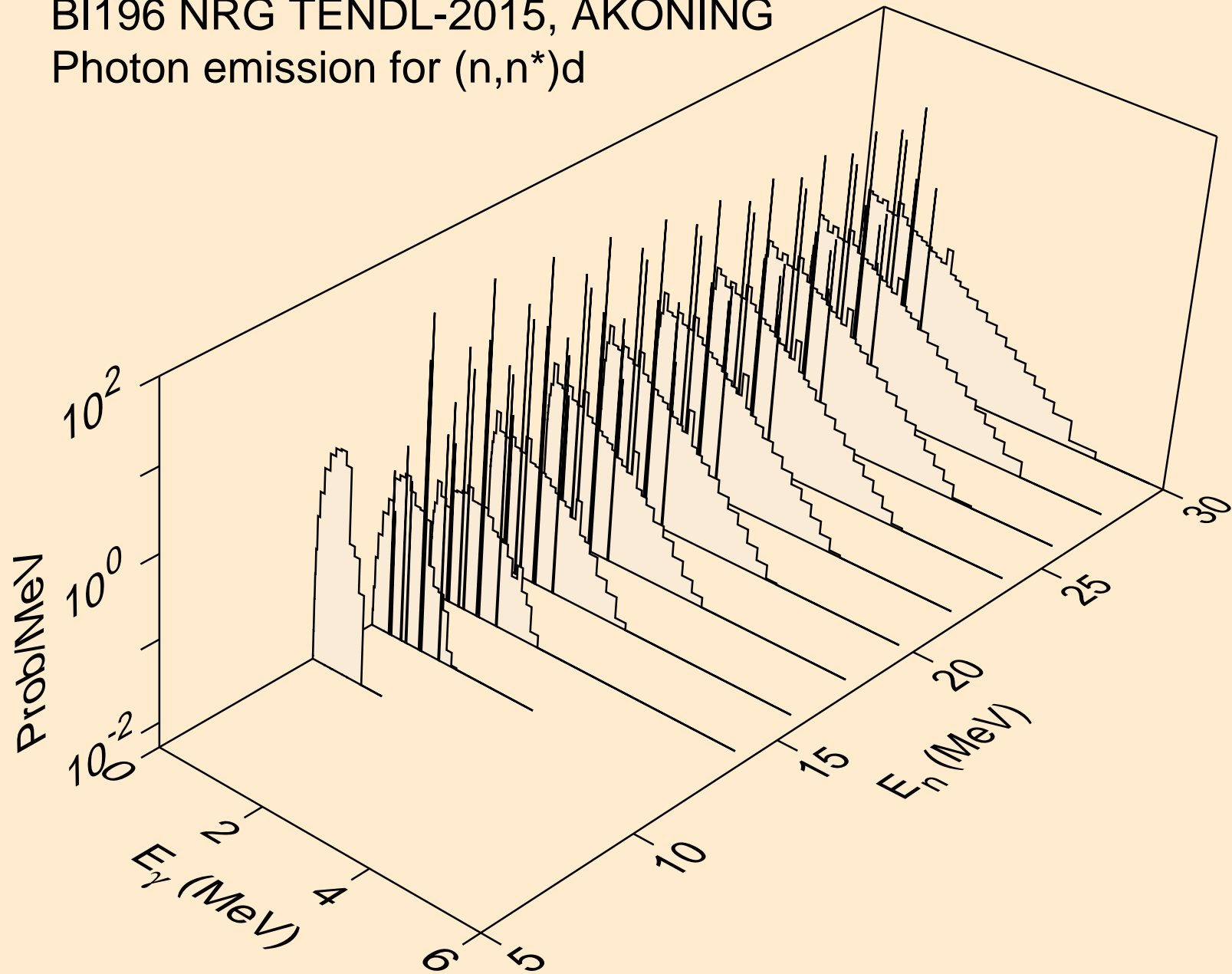




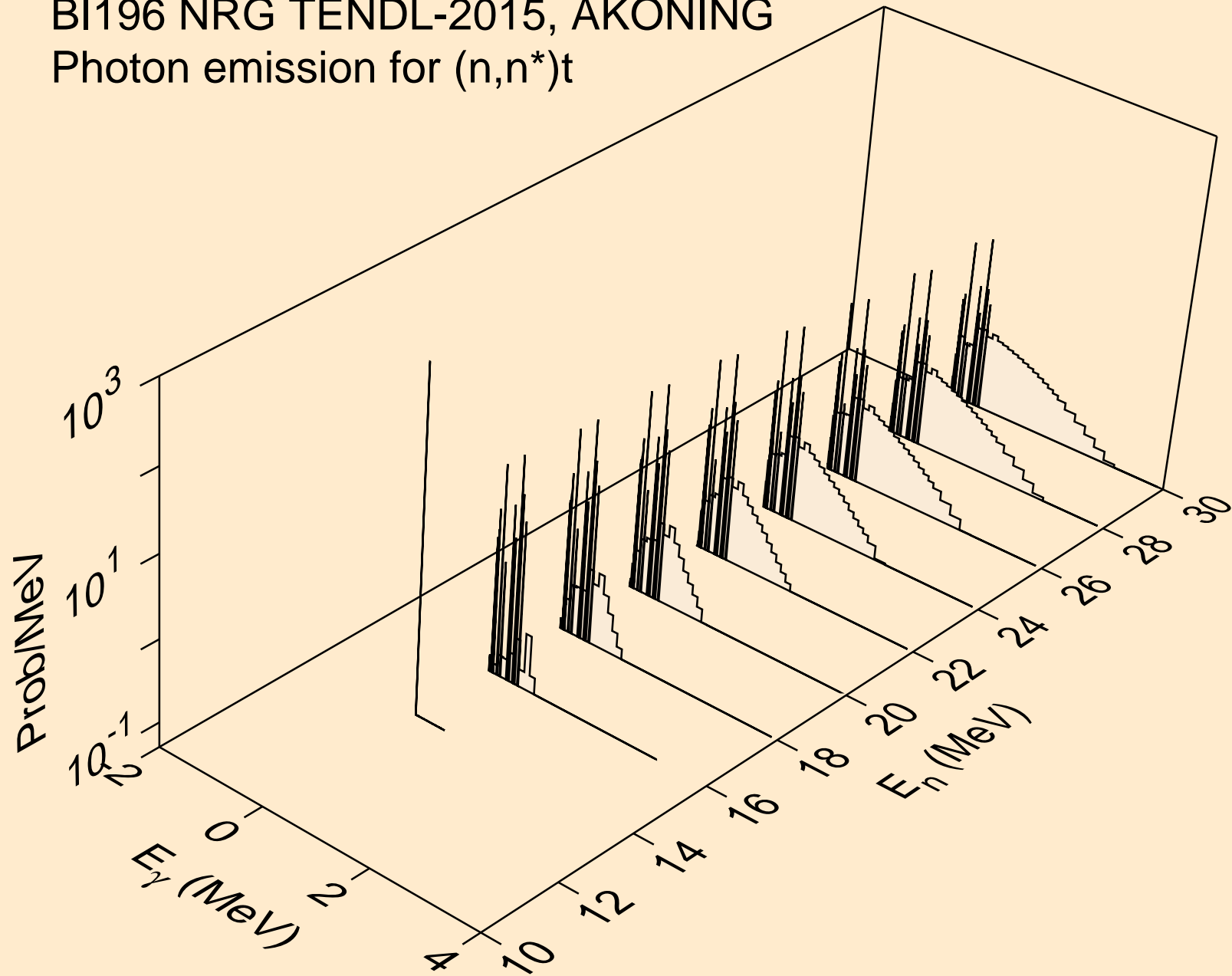
BI196 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a



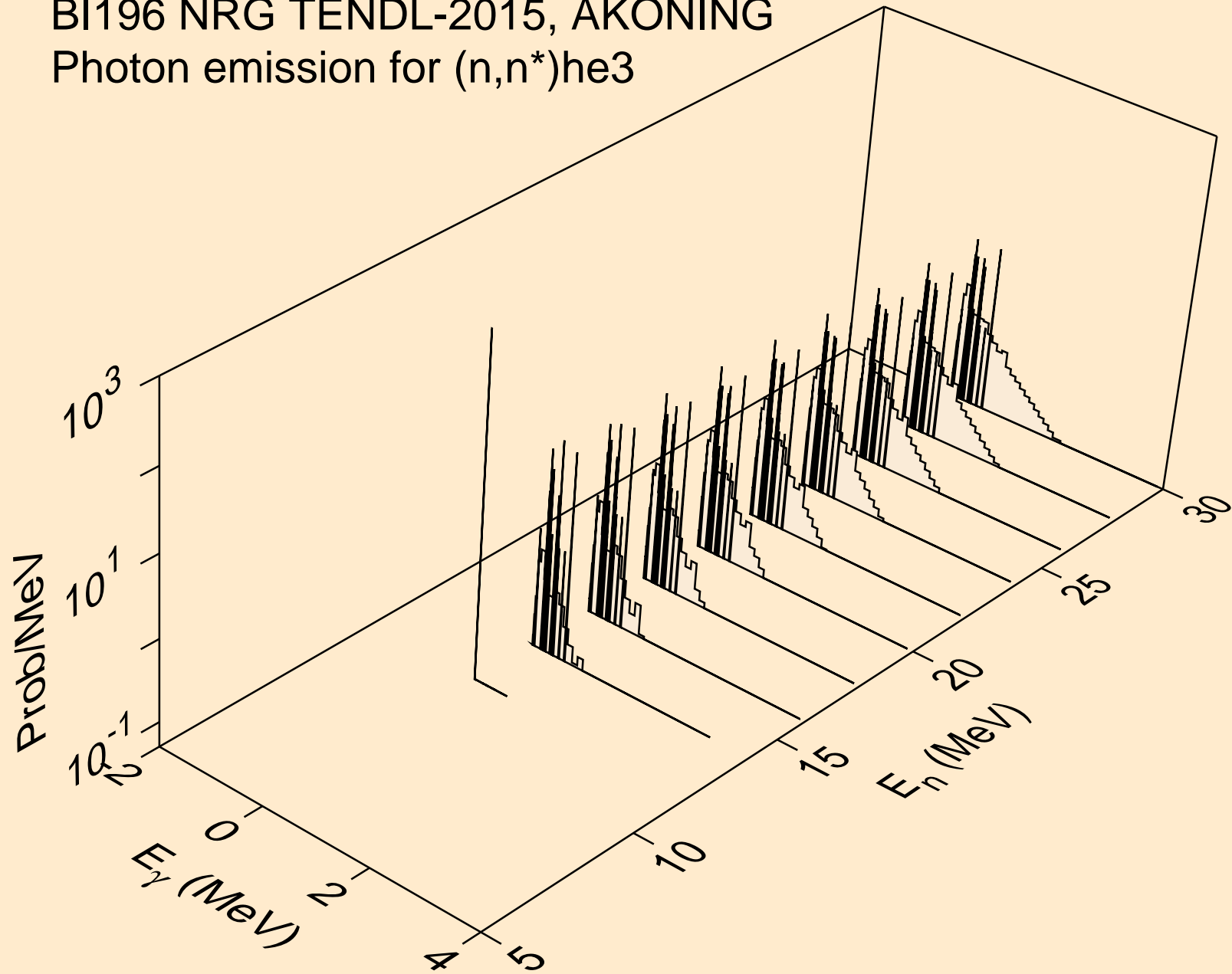
BI196 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d



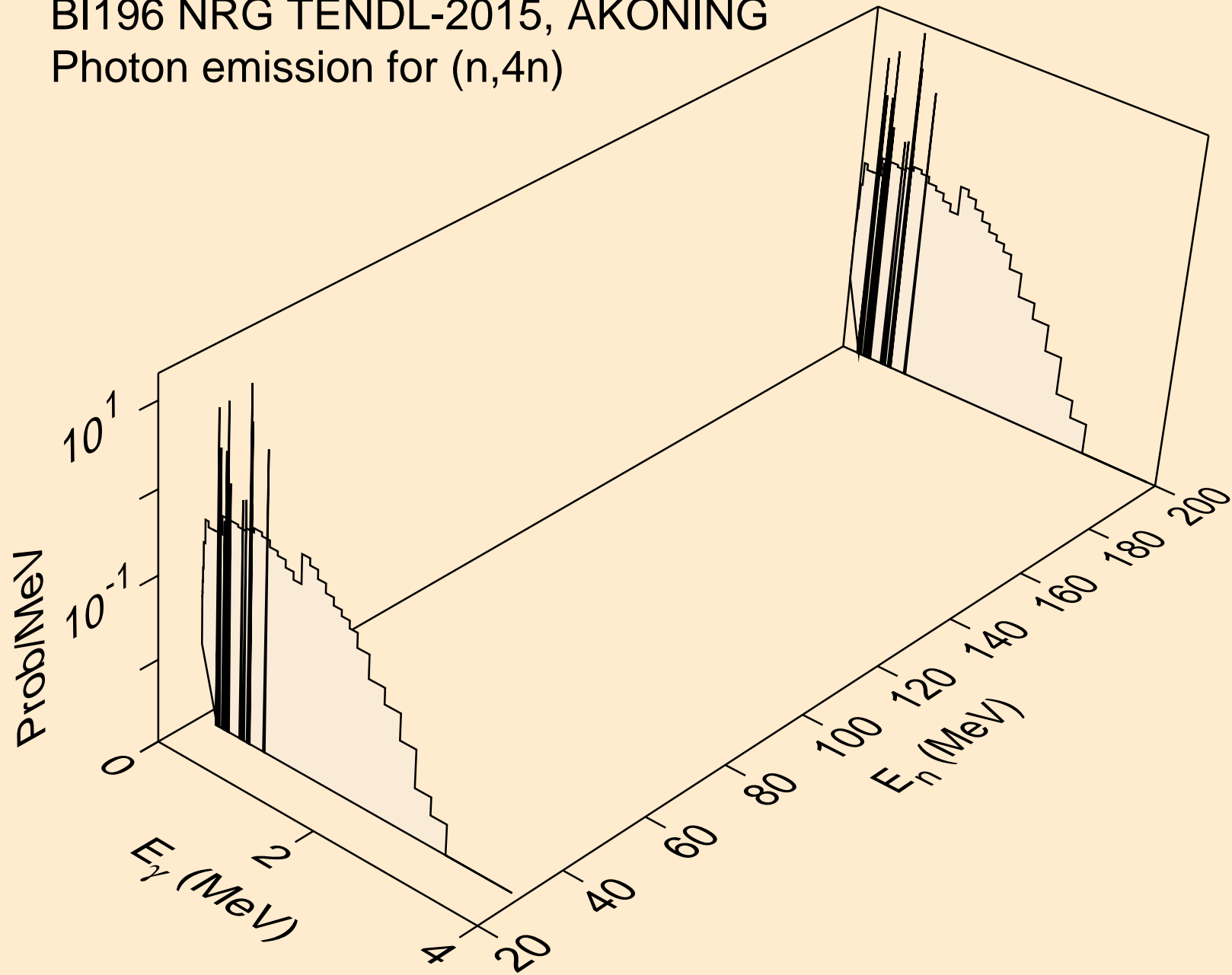
BI196 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



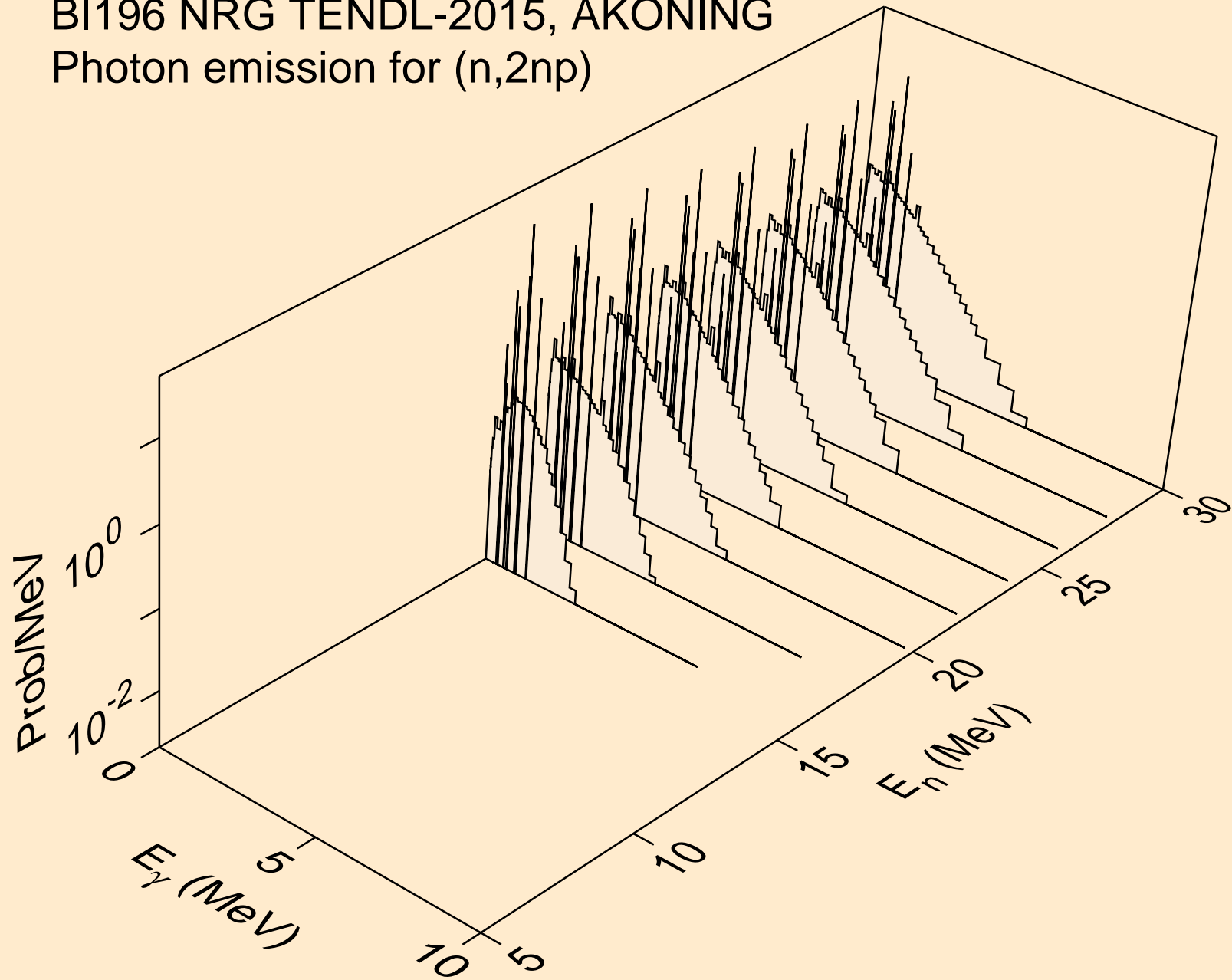
BI196 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



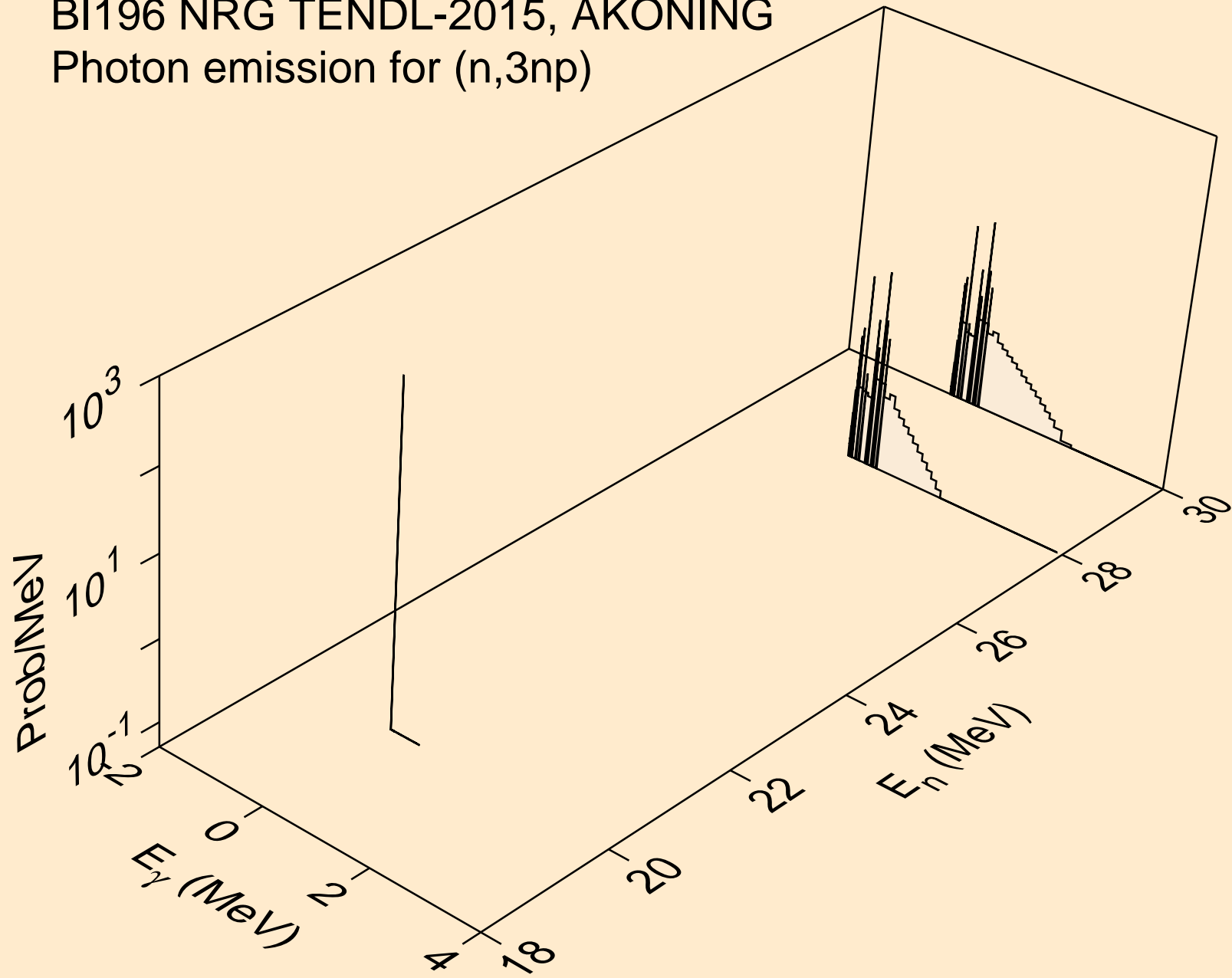
BI196 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



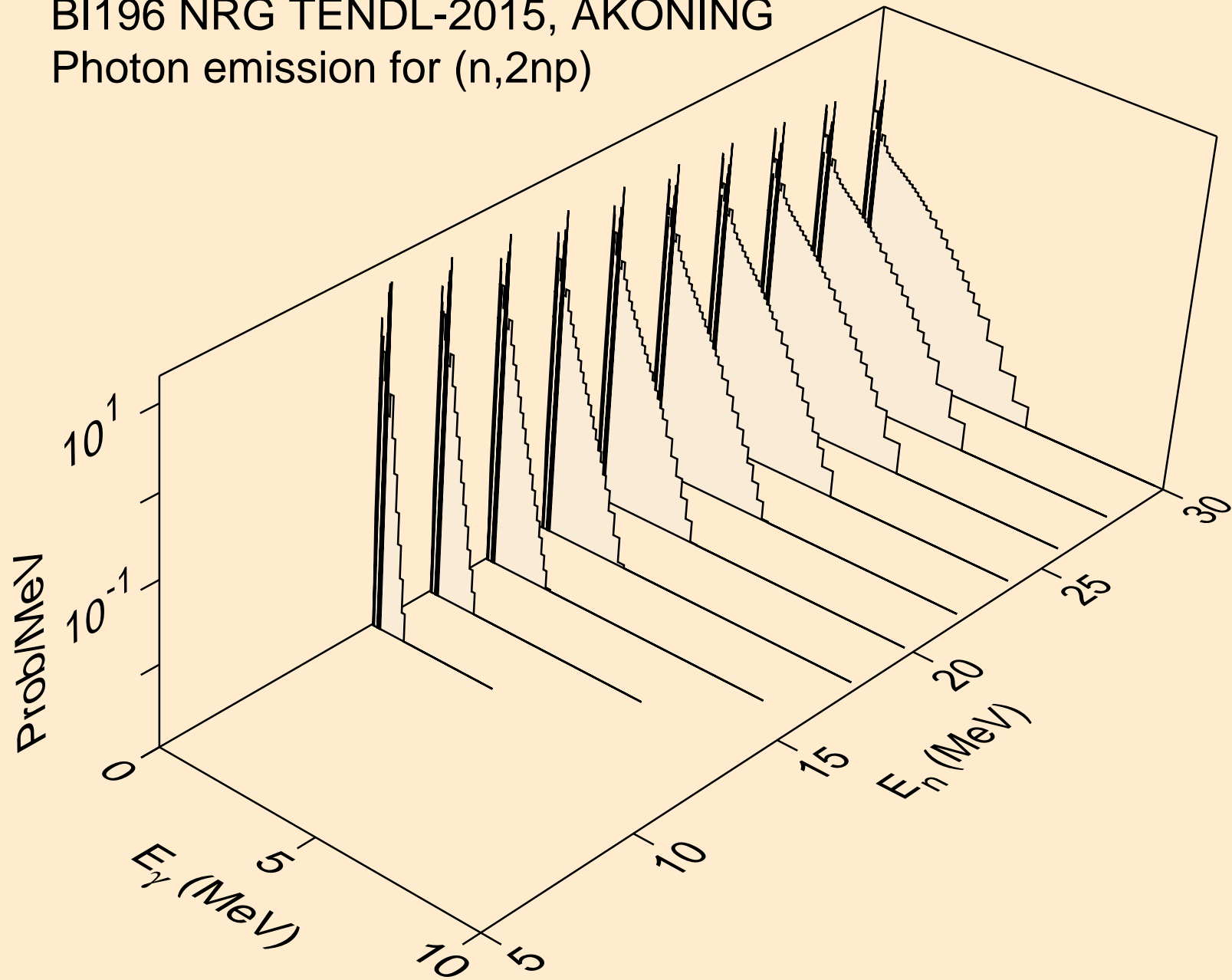
BI196 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



BI196 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)

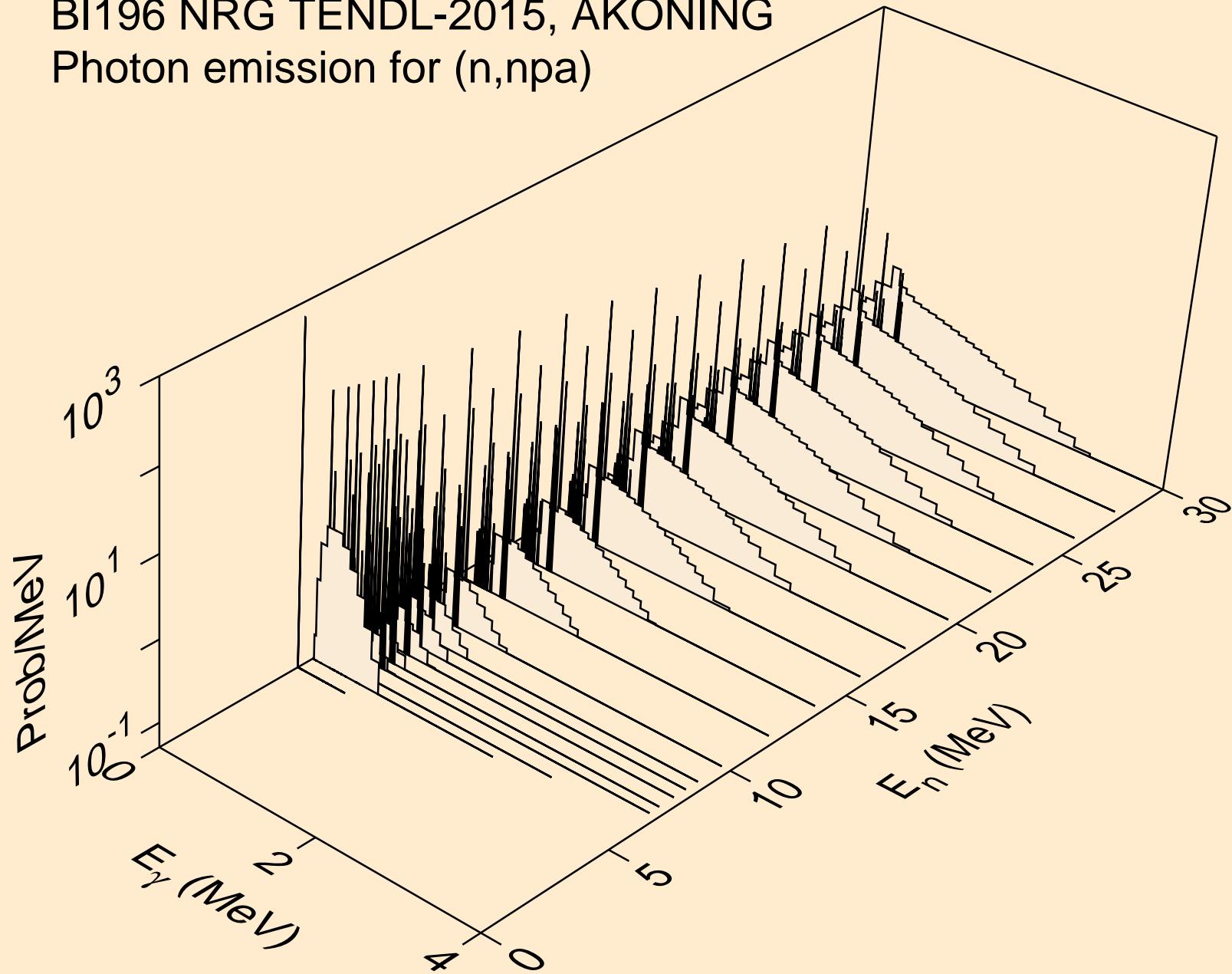


BI196 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)

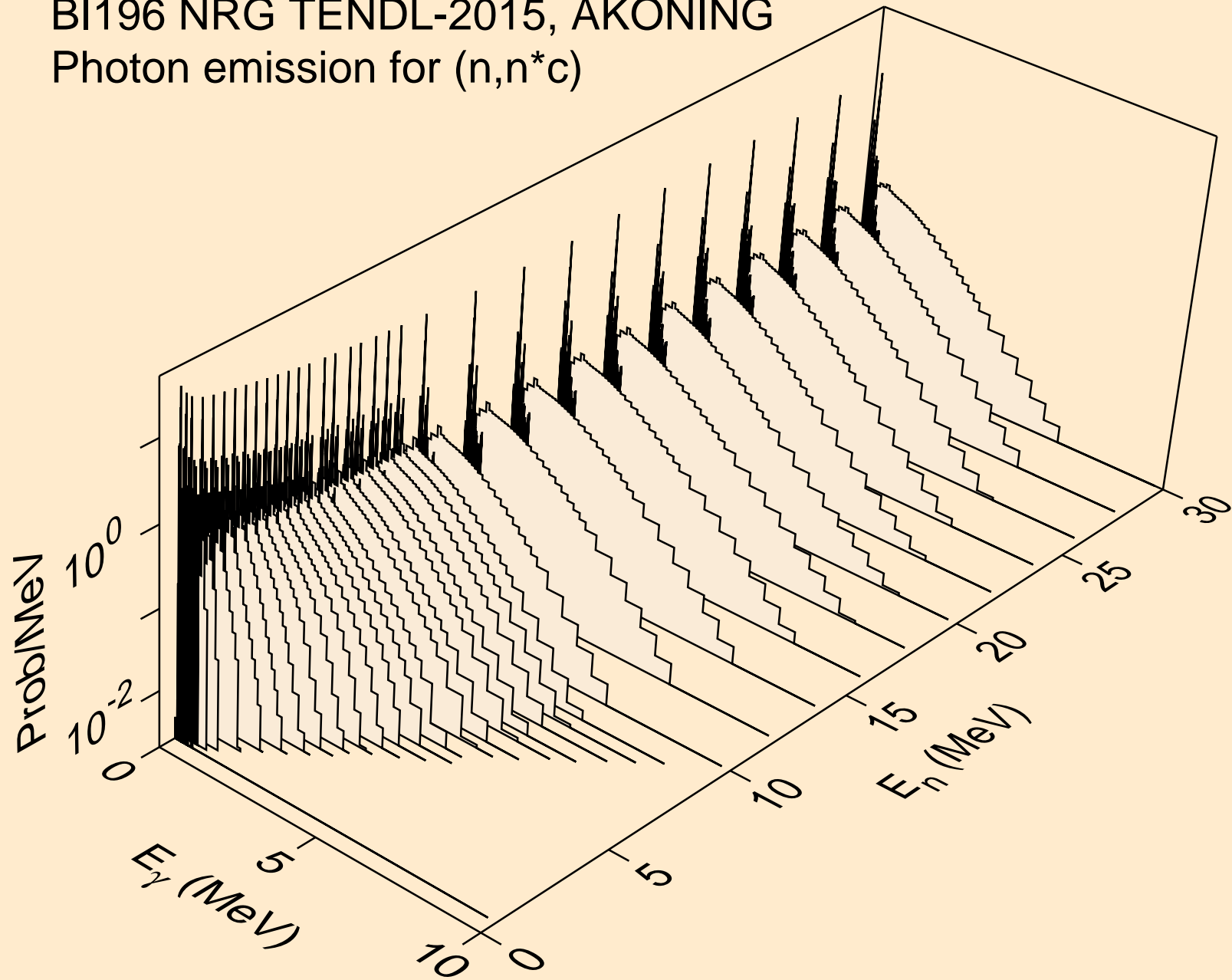




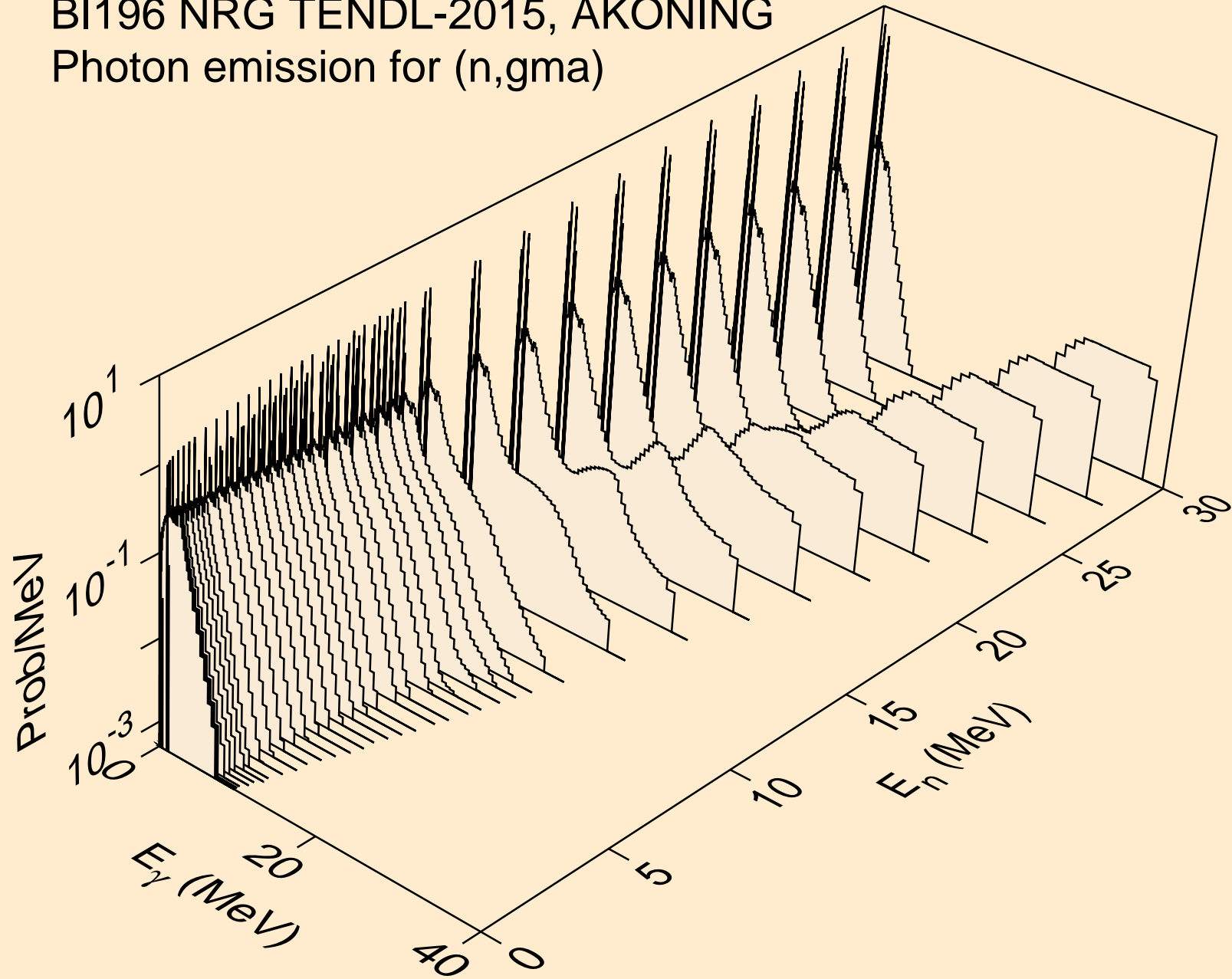
BI196 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



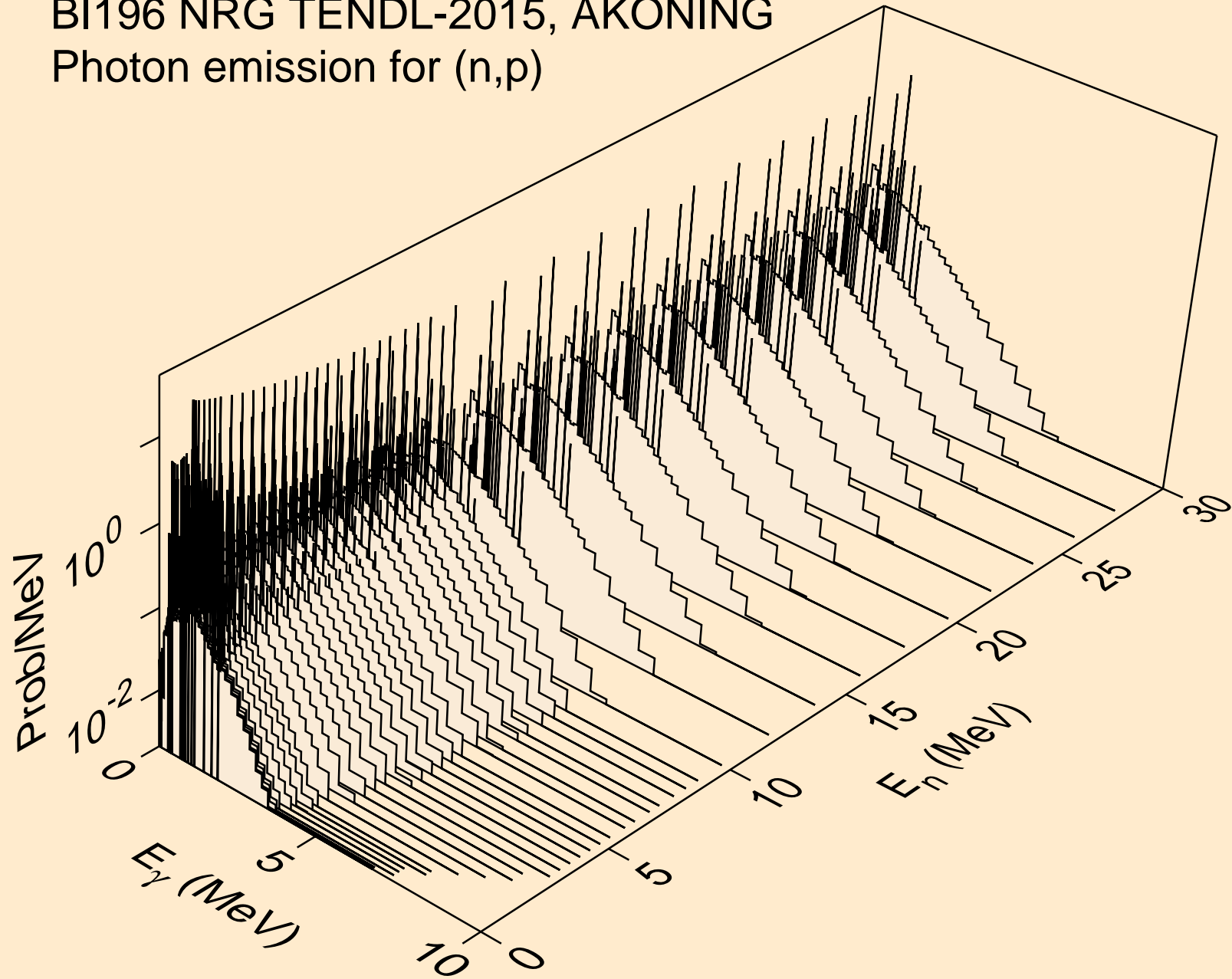
BI196 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



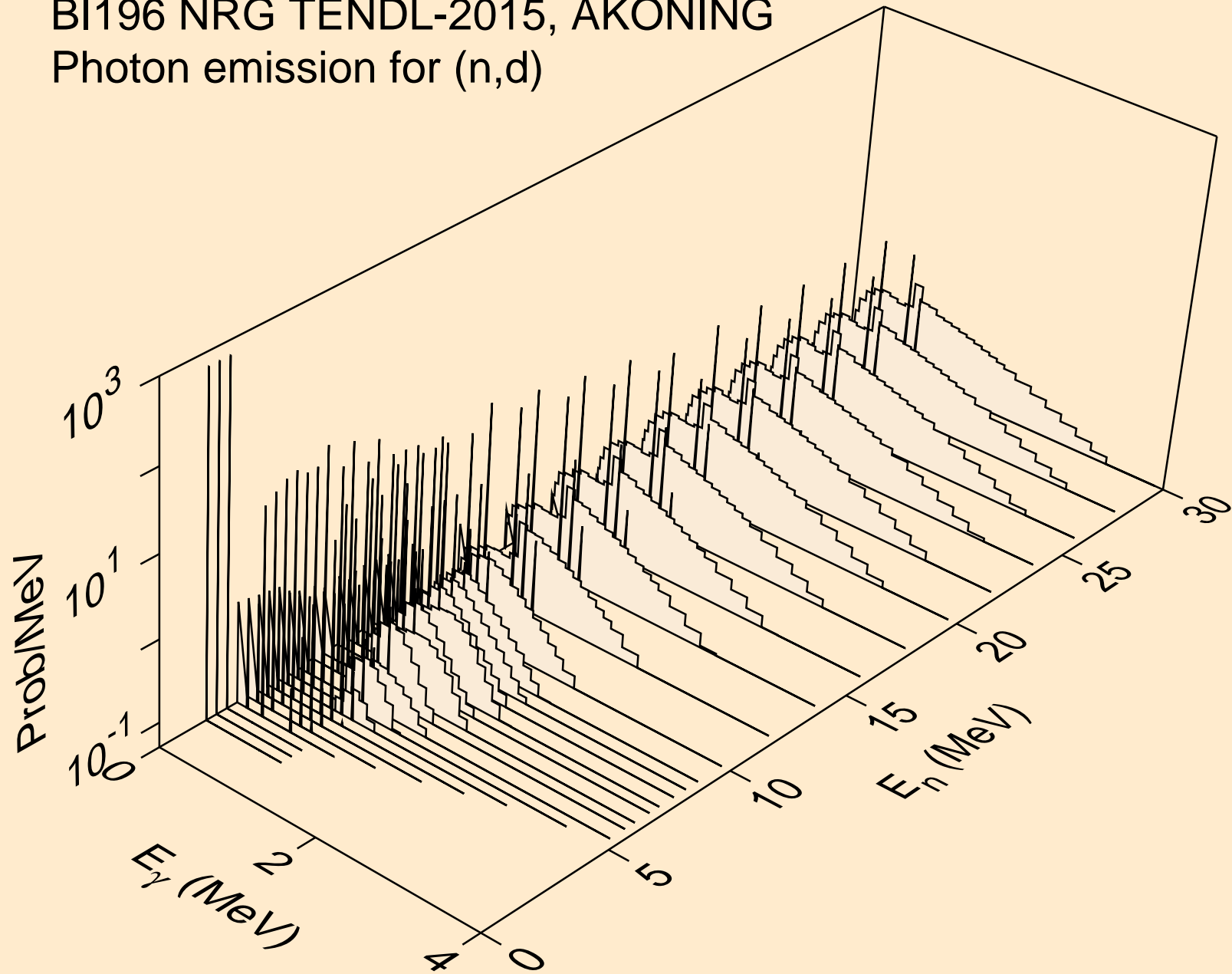
BI196 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



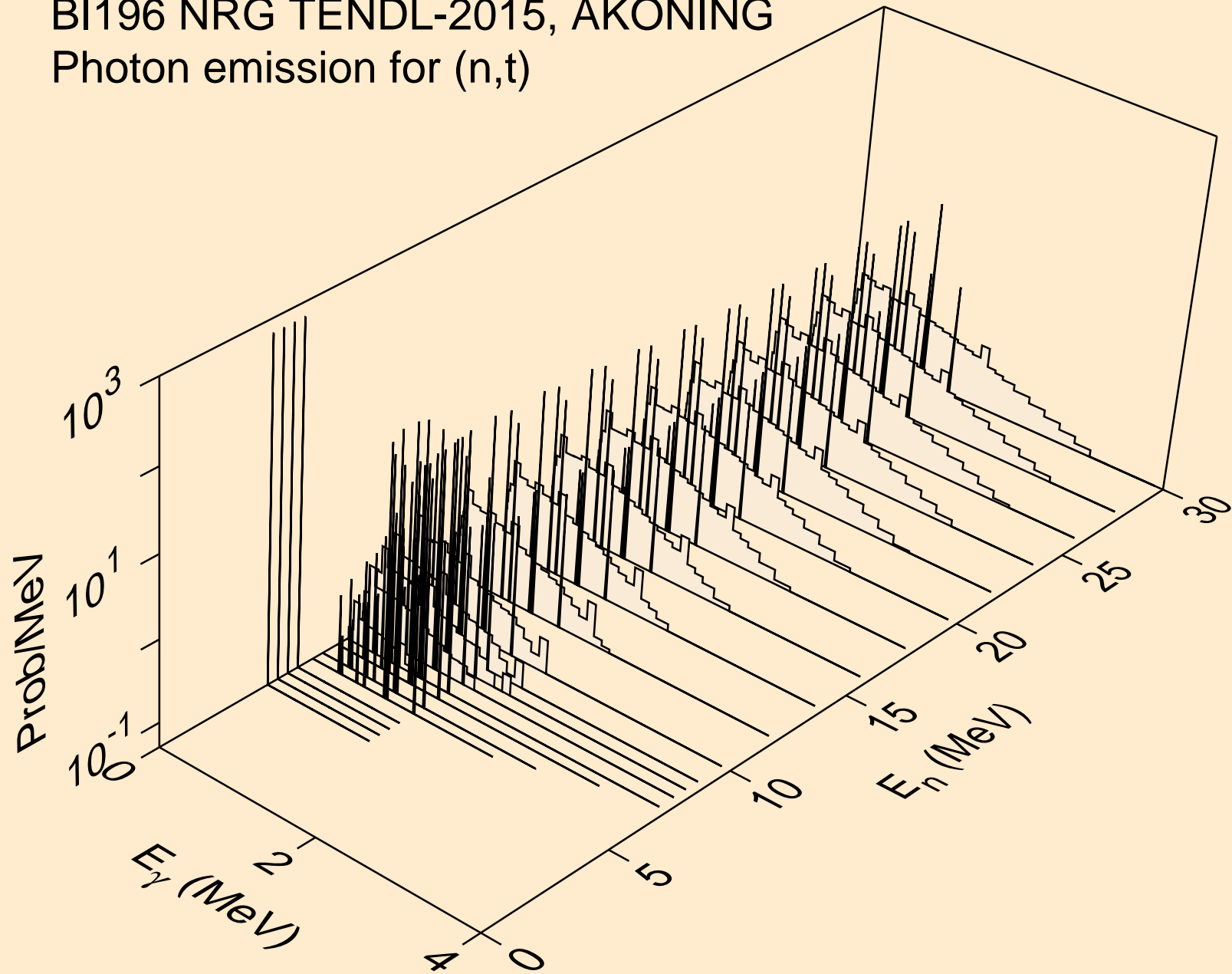
BI196 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



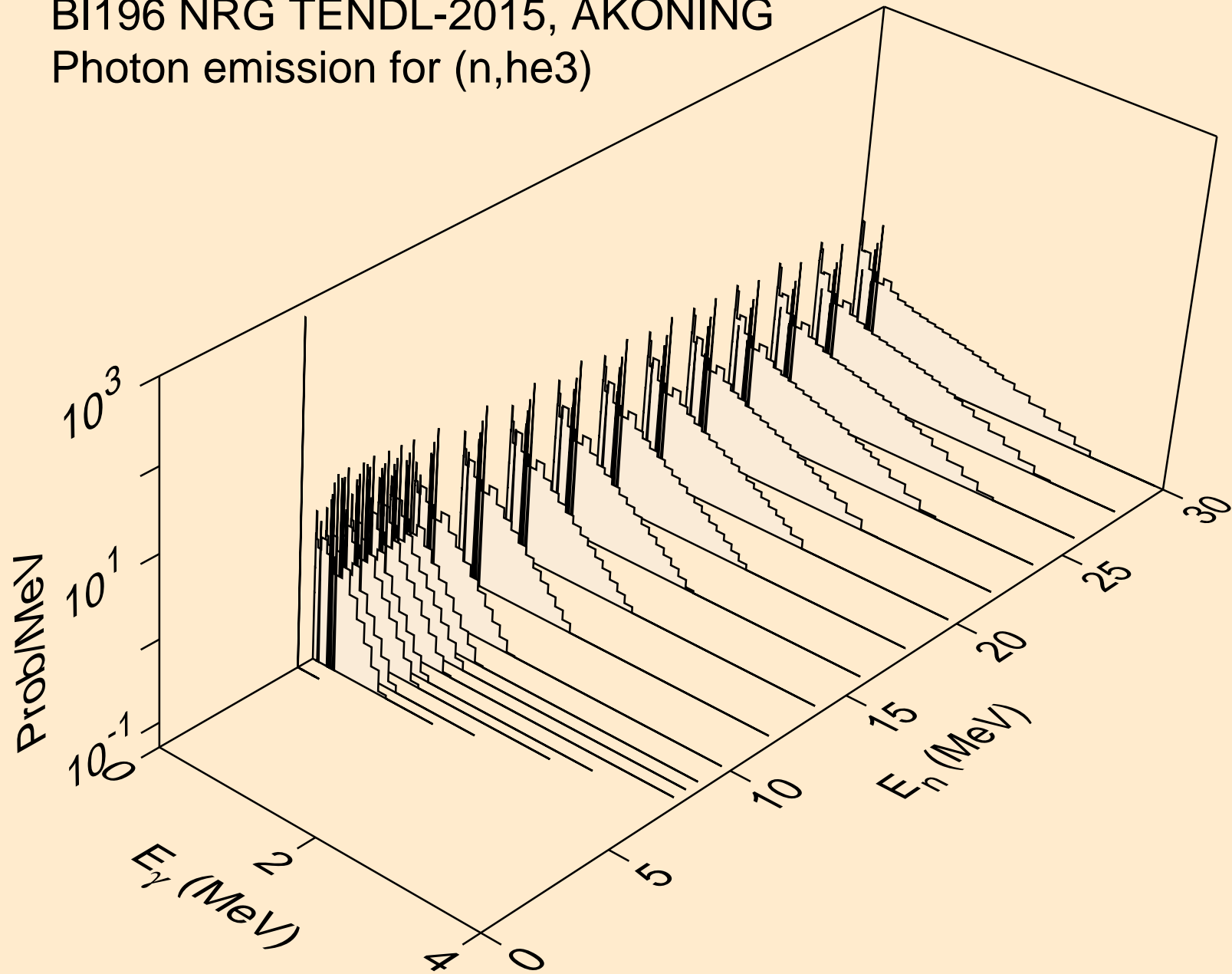
BI196 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



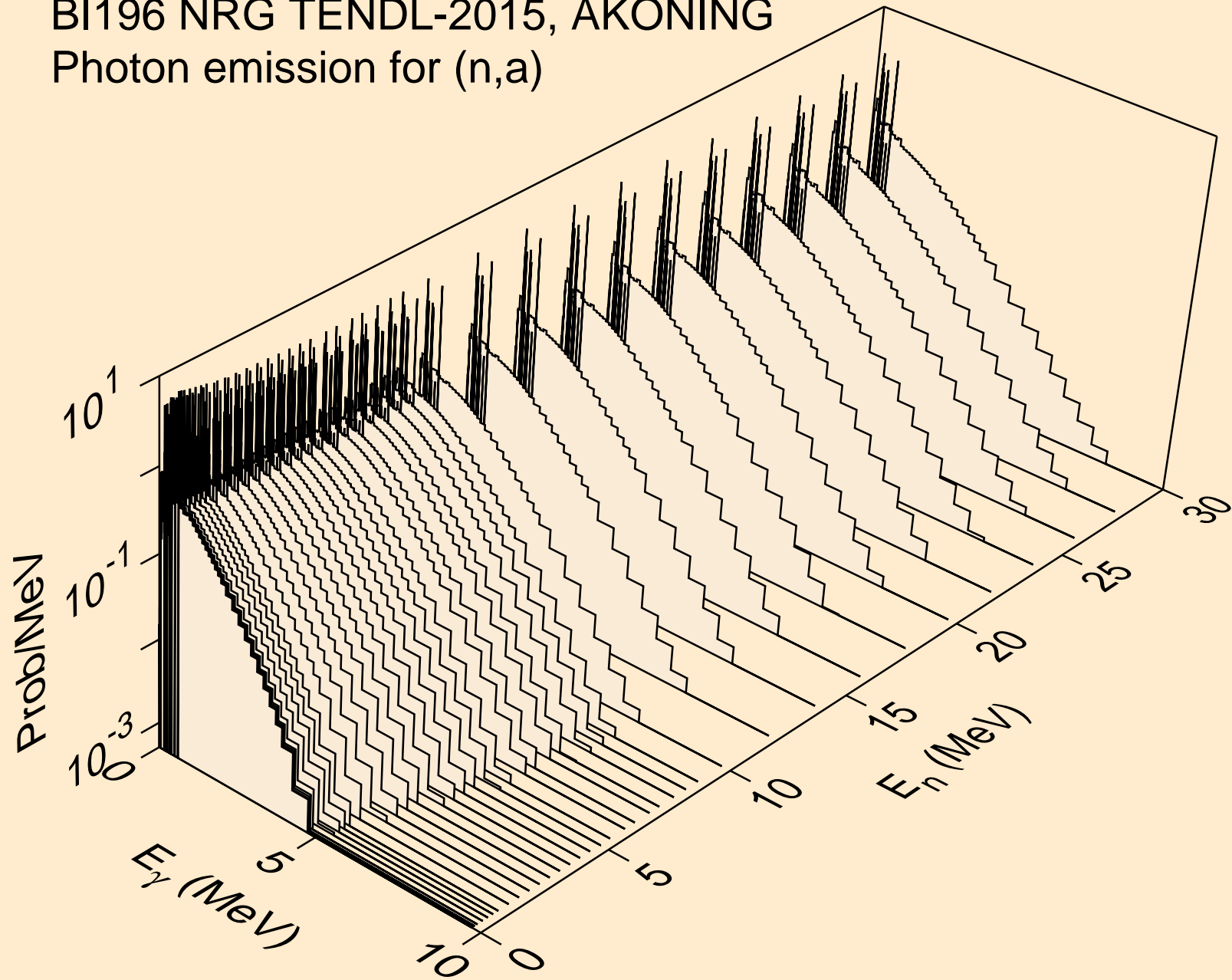
BI196 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



BI196 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)

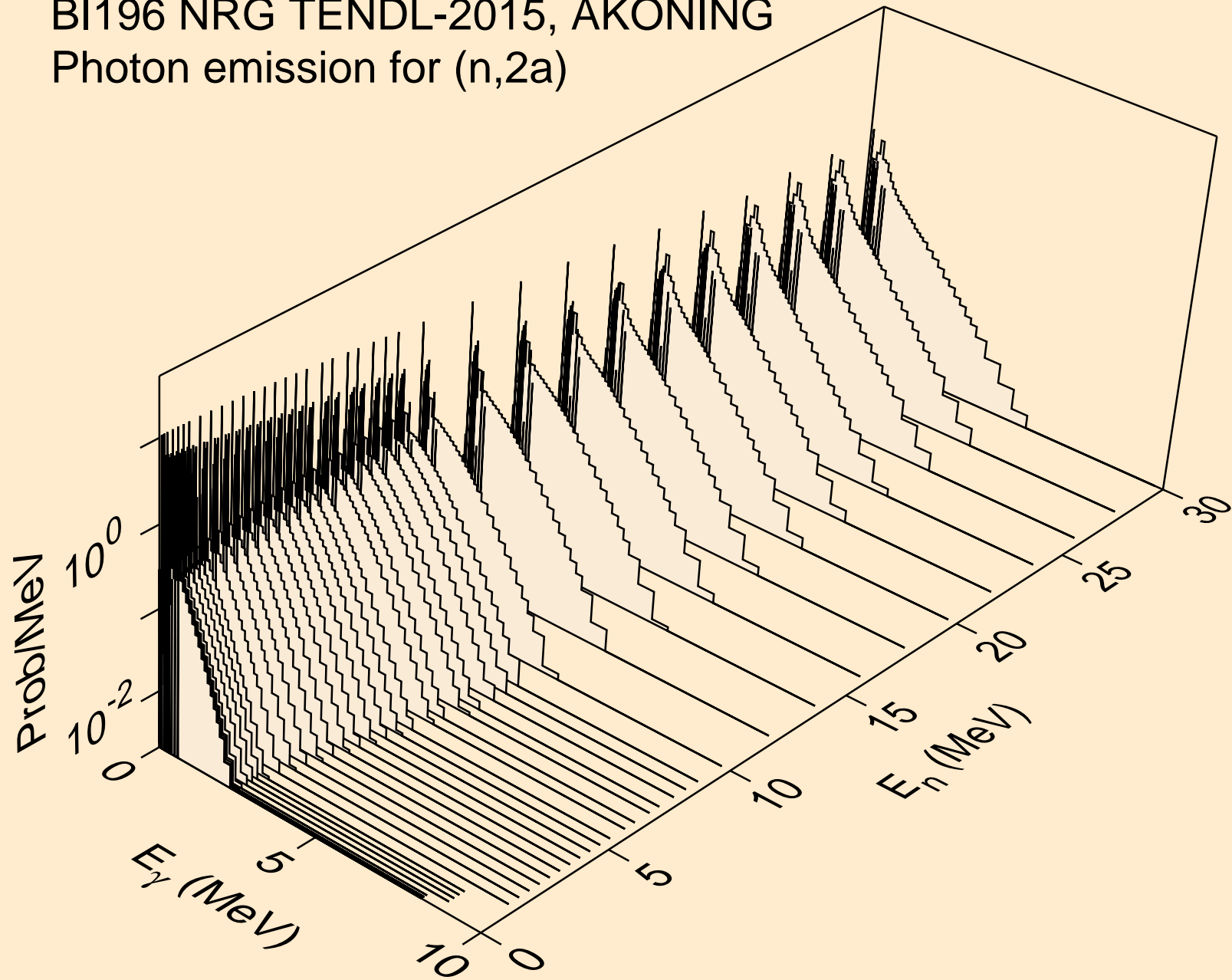


BI196 NRG TENDL-2015, AKONING  
Photon emission for (n,a)

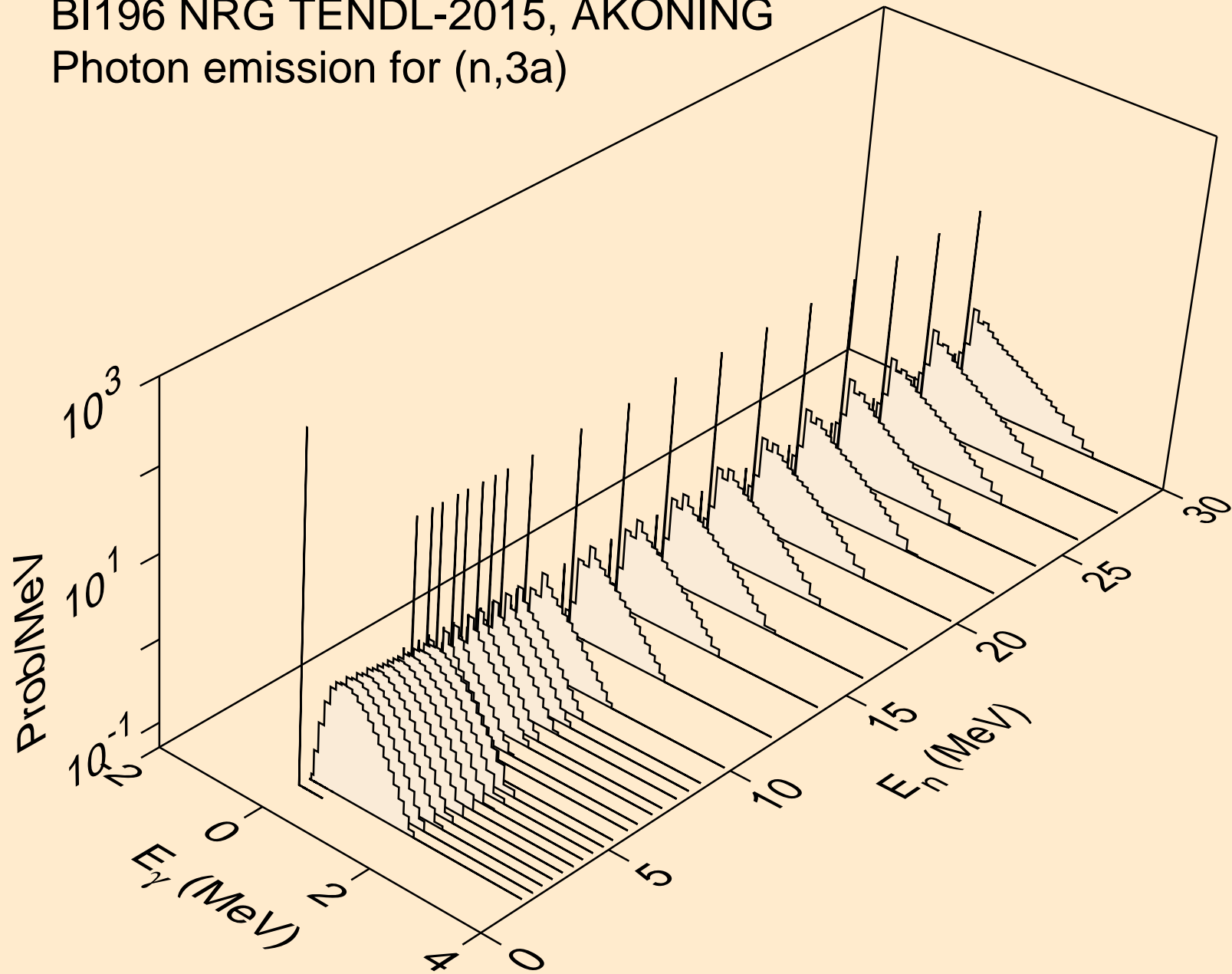




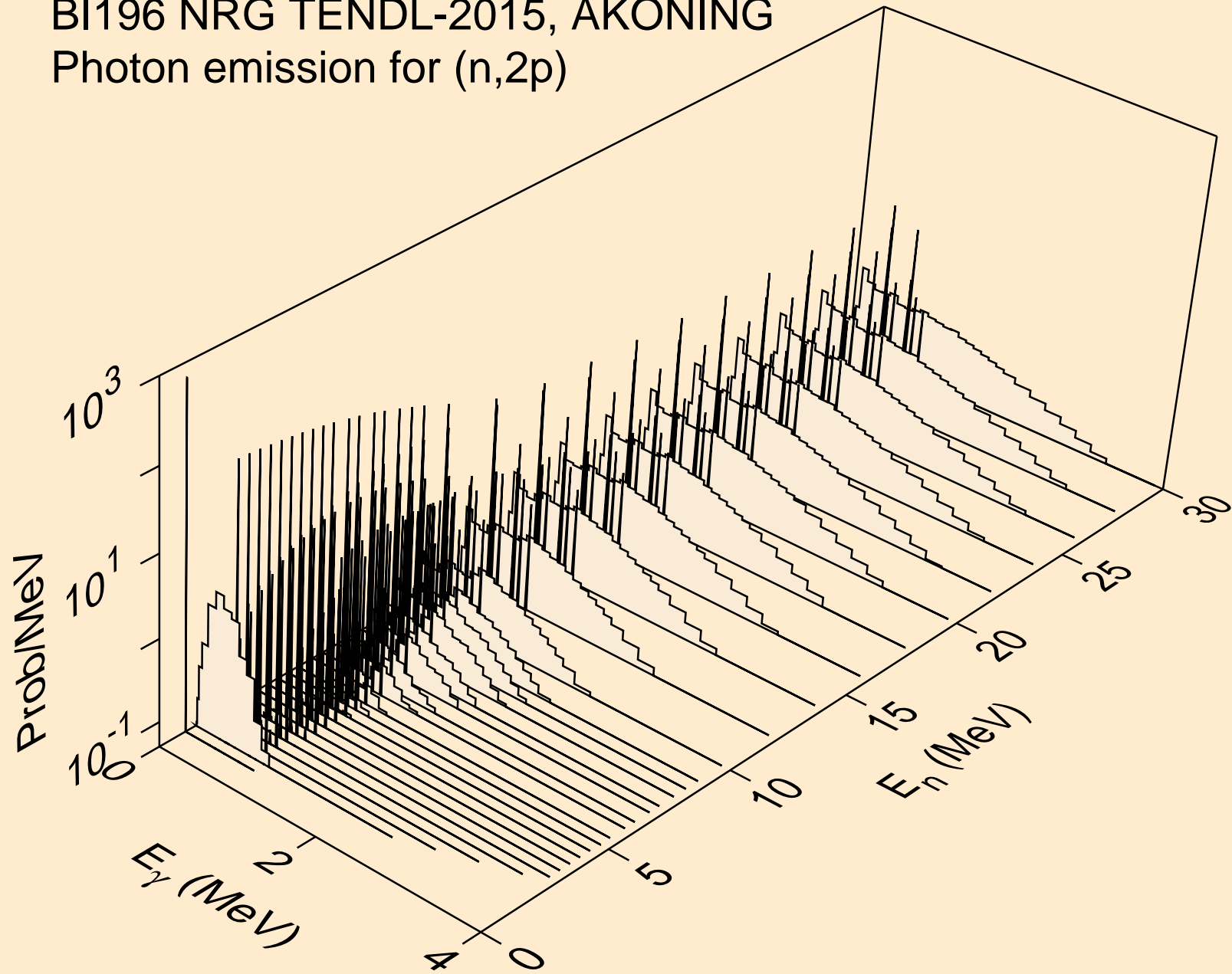
BI196 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



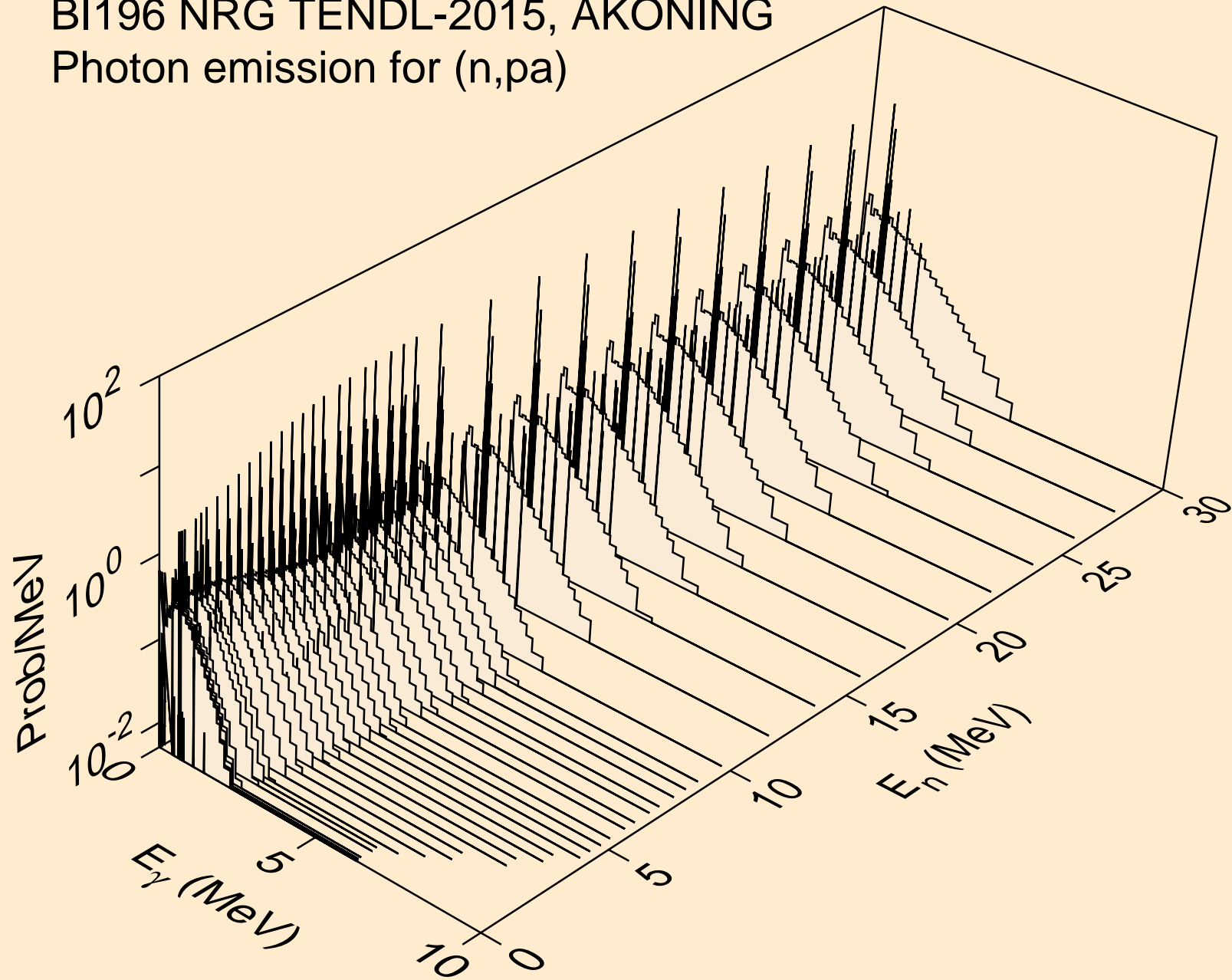
BI196 NRG TENDL-2015, AKONING  
Photon emission for (n,3a)



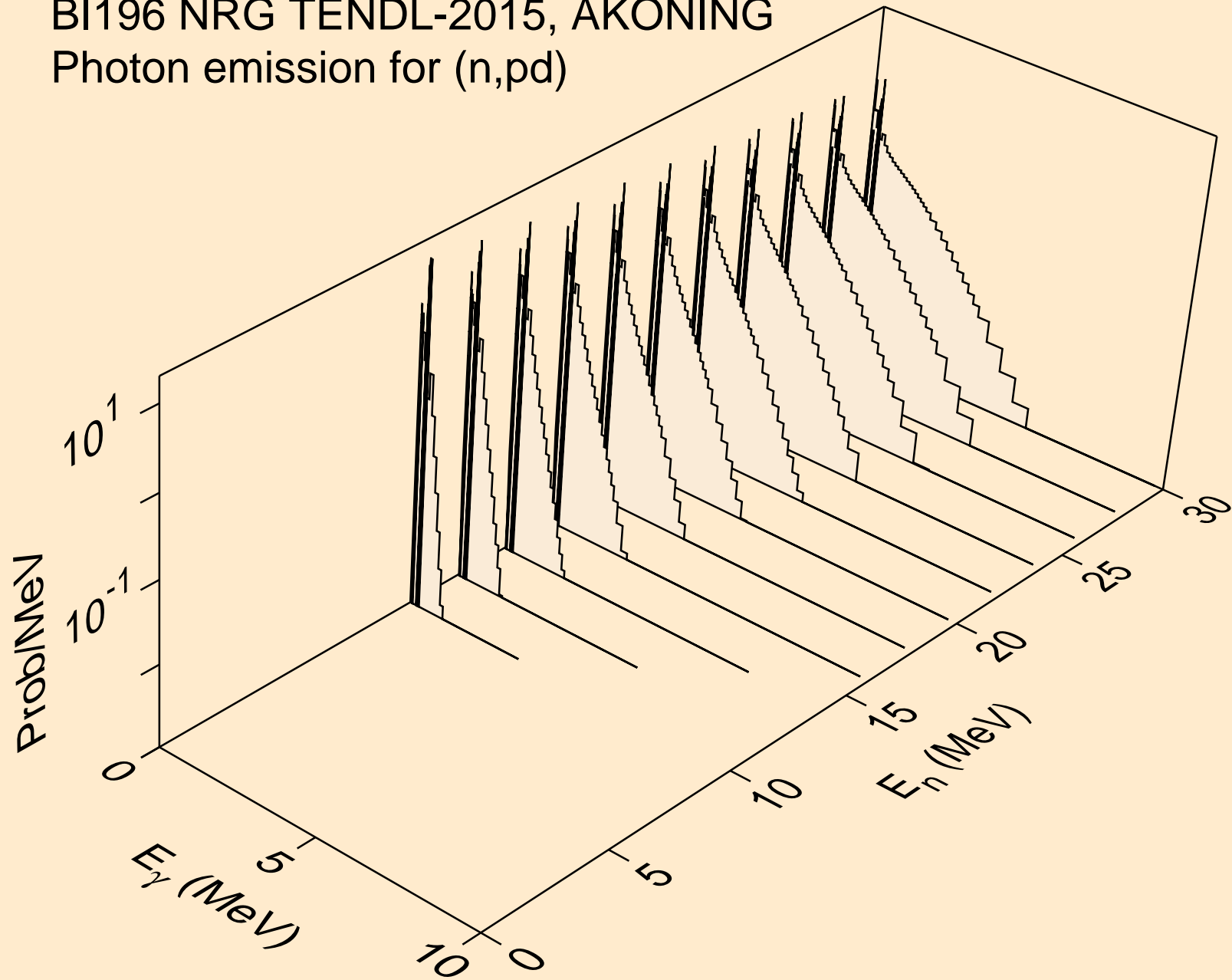
BI196 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



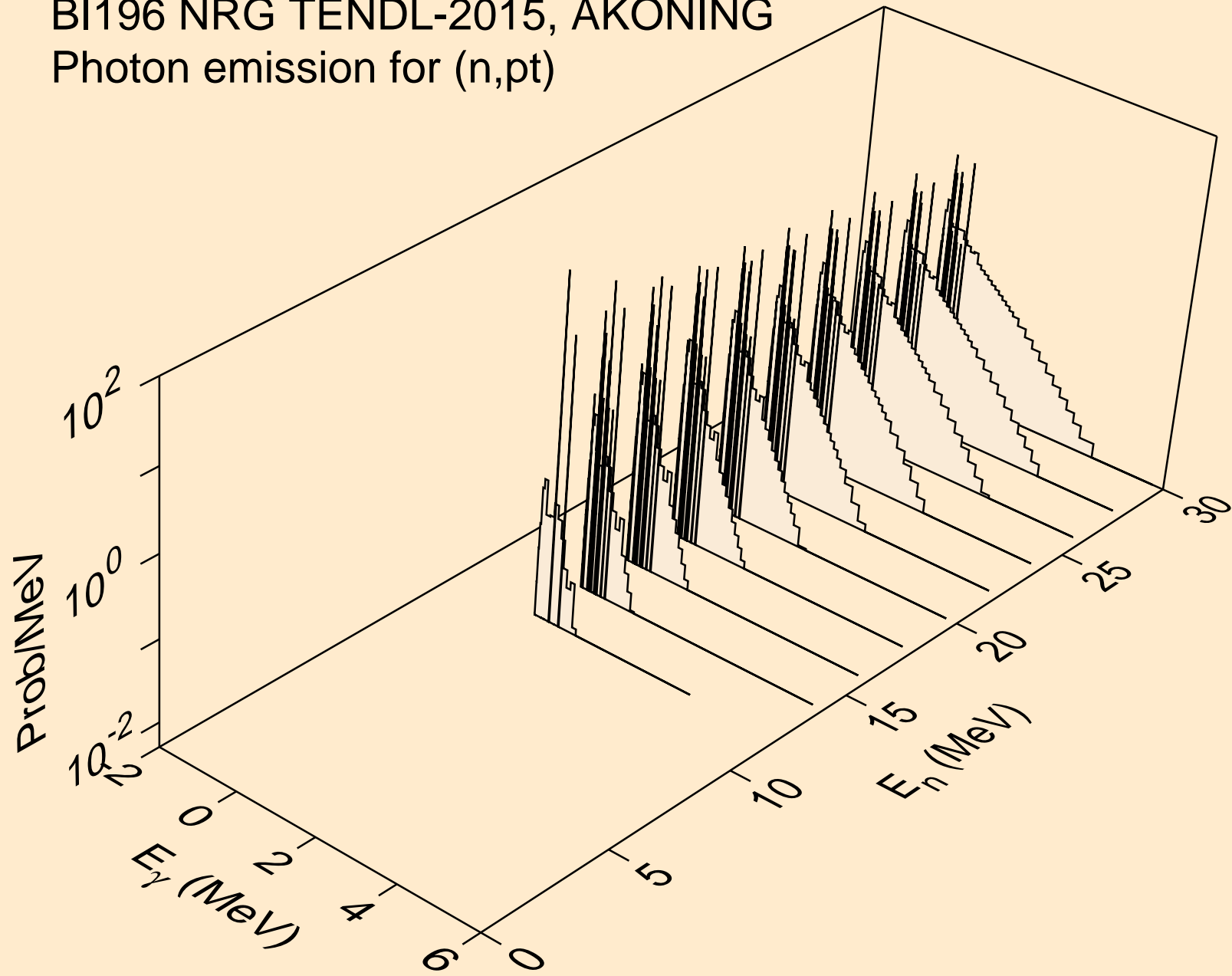
BI196 NRG TENDL-2015, AKONING  
Photon emission for (n,p $\alpha$ )



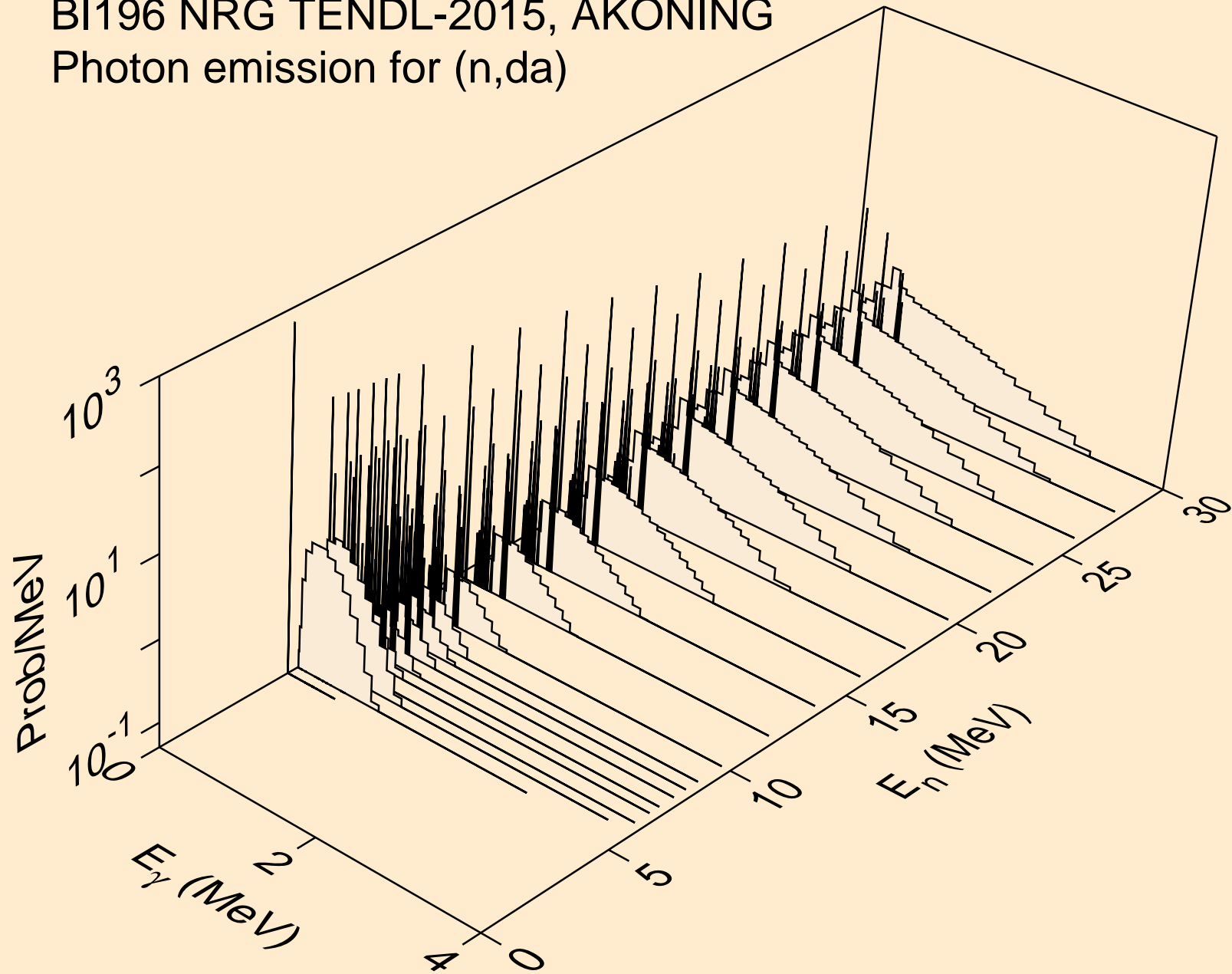
BI196 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



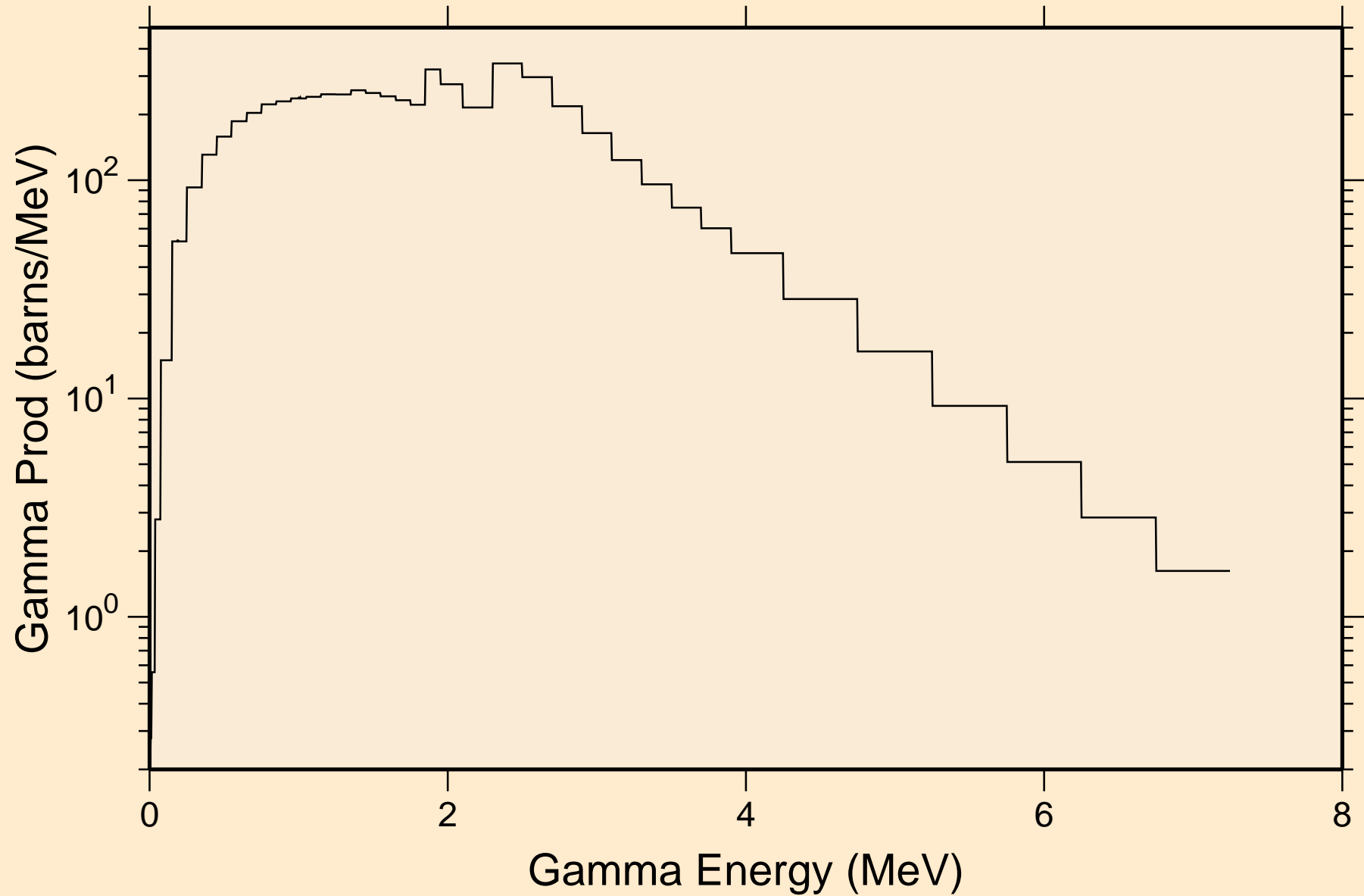
BI196 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



BI196 NRG TENDL-2015, AKONING  
Photon emission for (n,da)

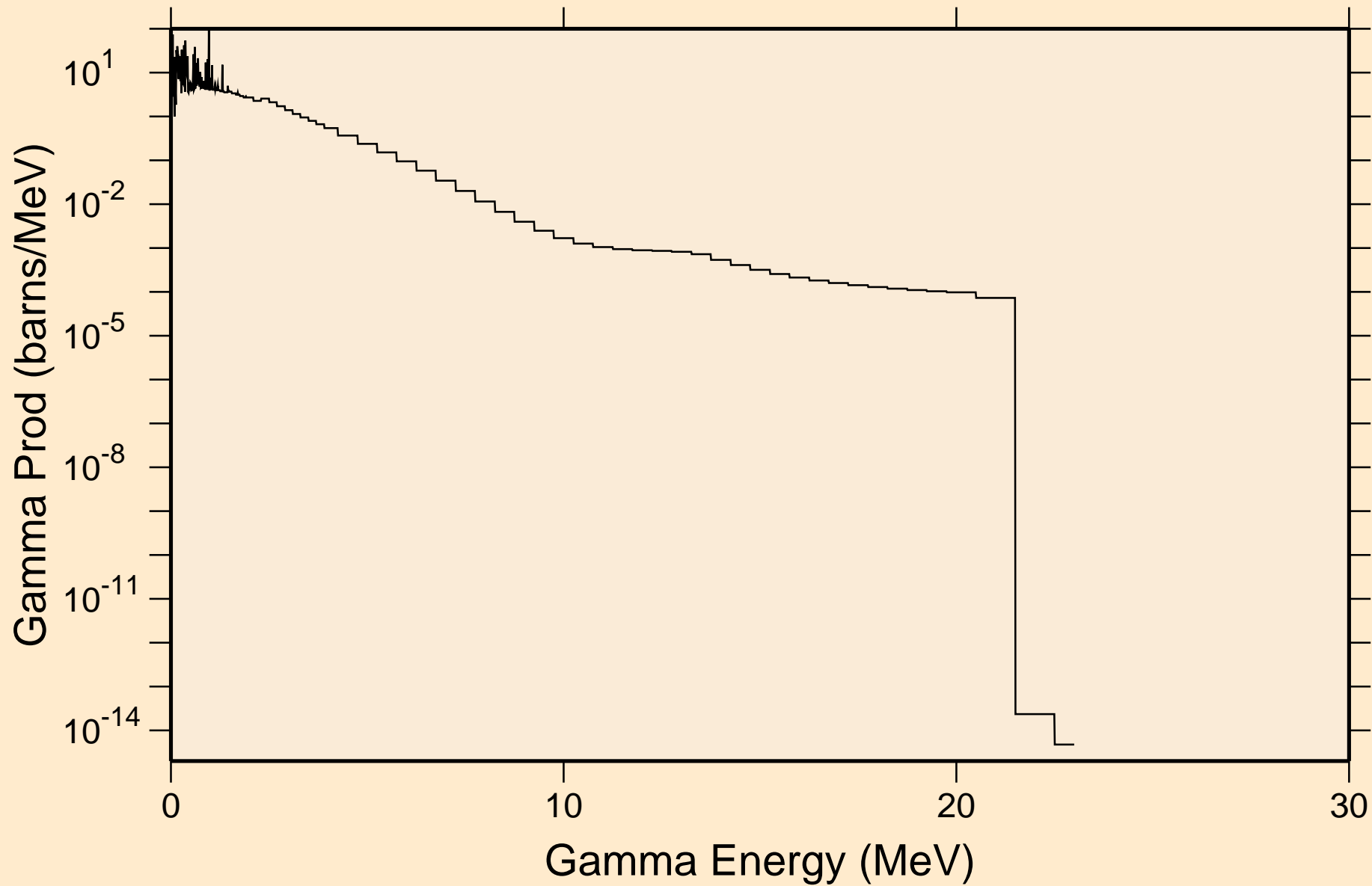


BI196 NRG TENDL-2015, AKONING  
thermal capture photon spectrum



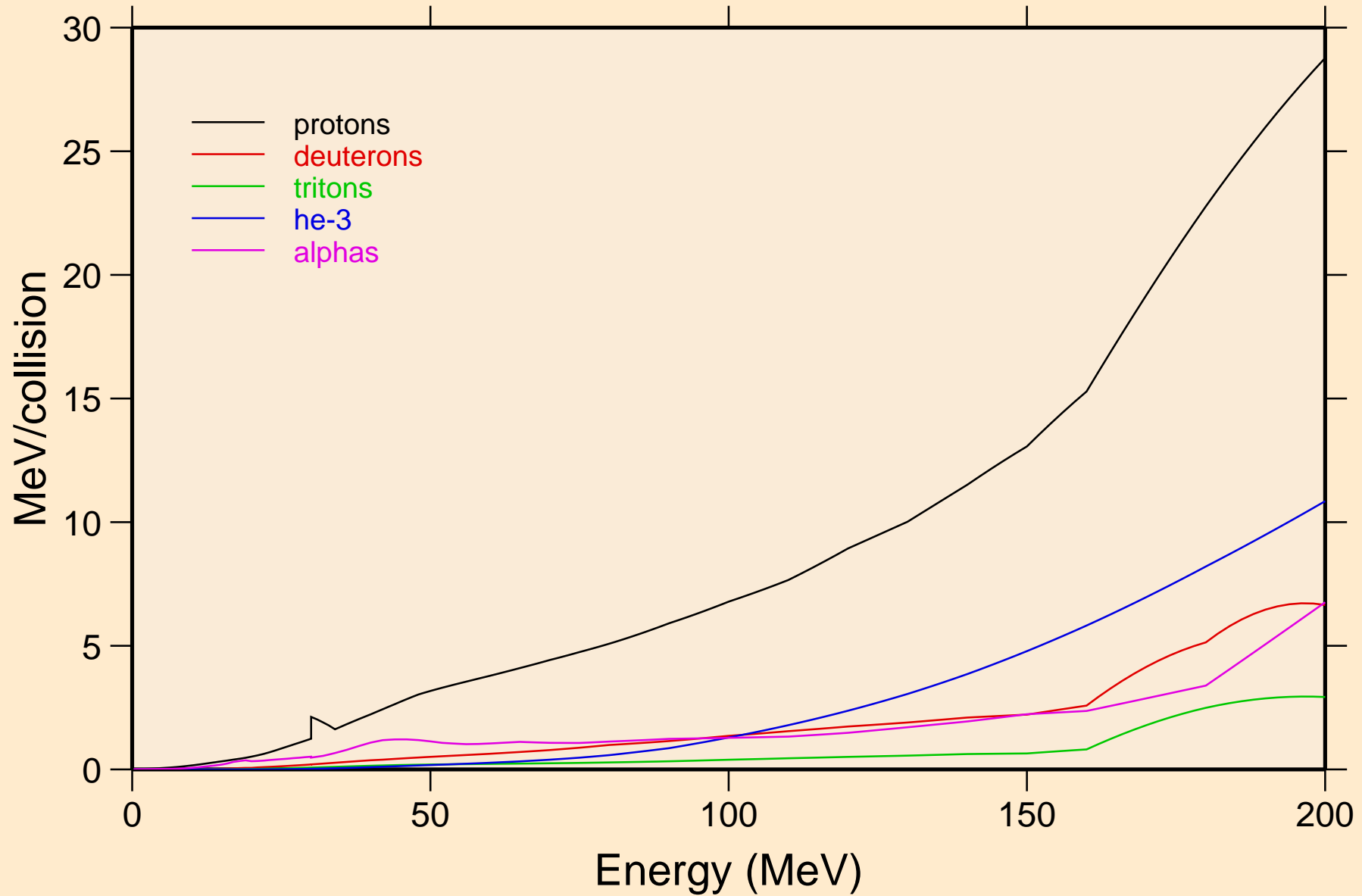


BI196 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



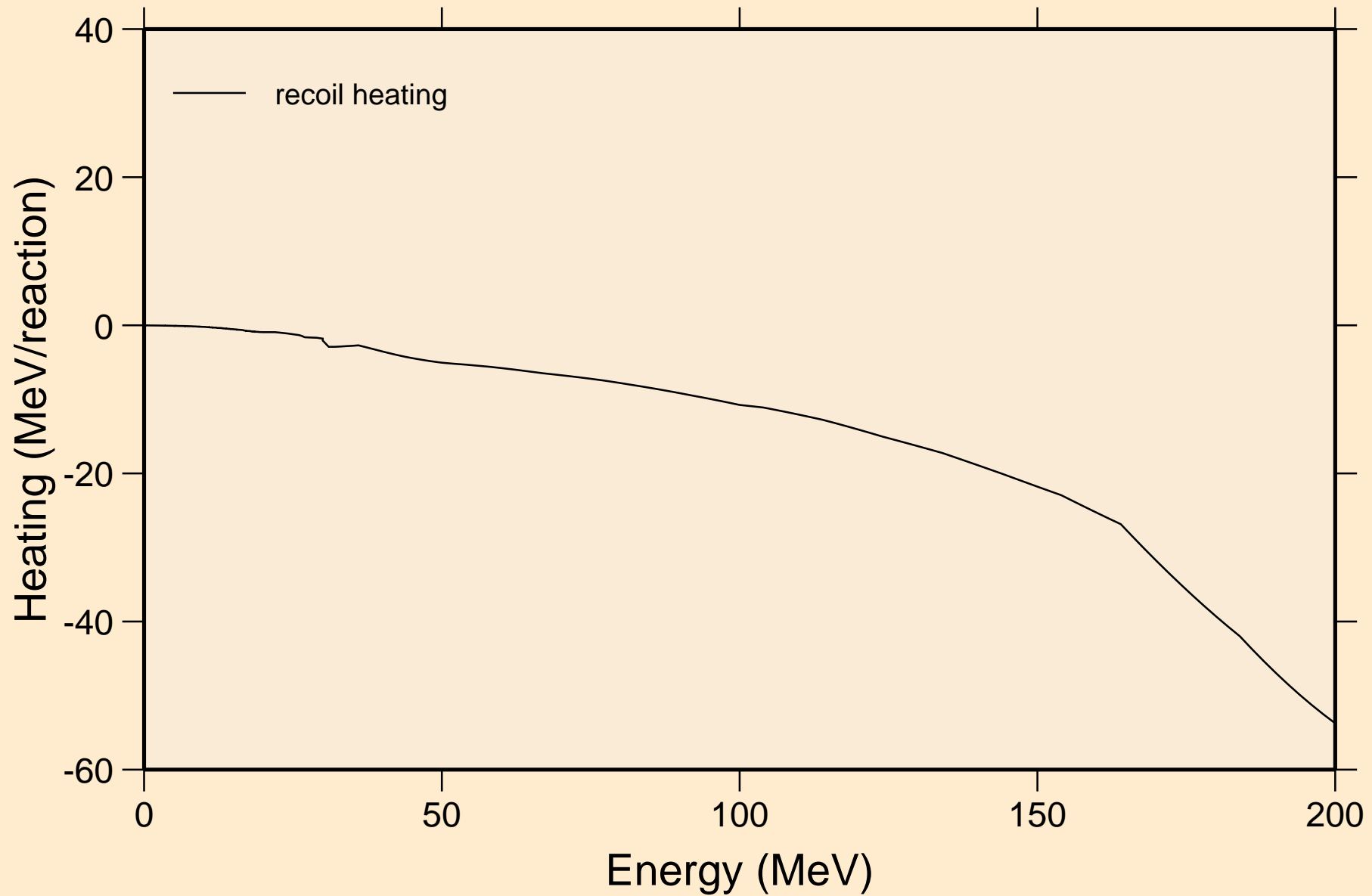
# BI196 NRG TENDL-2015, AKONING

## Particle heating contributions



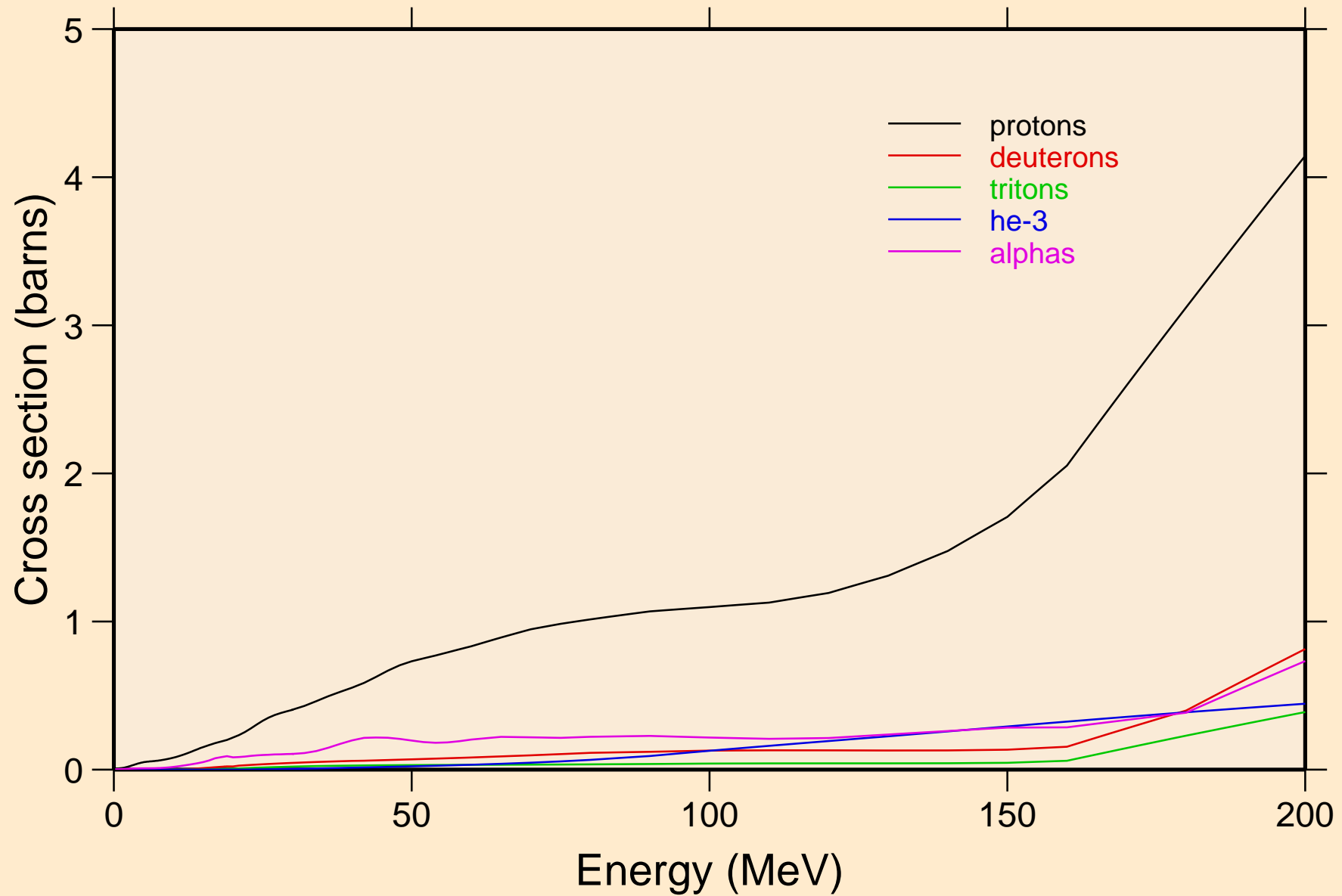
# BI196 NRG TENDL-2015, AKONING

## Recoil Heating

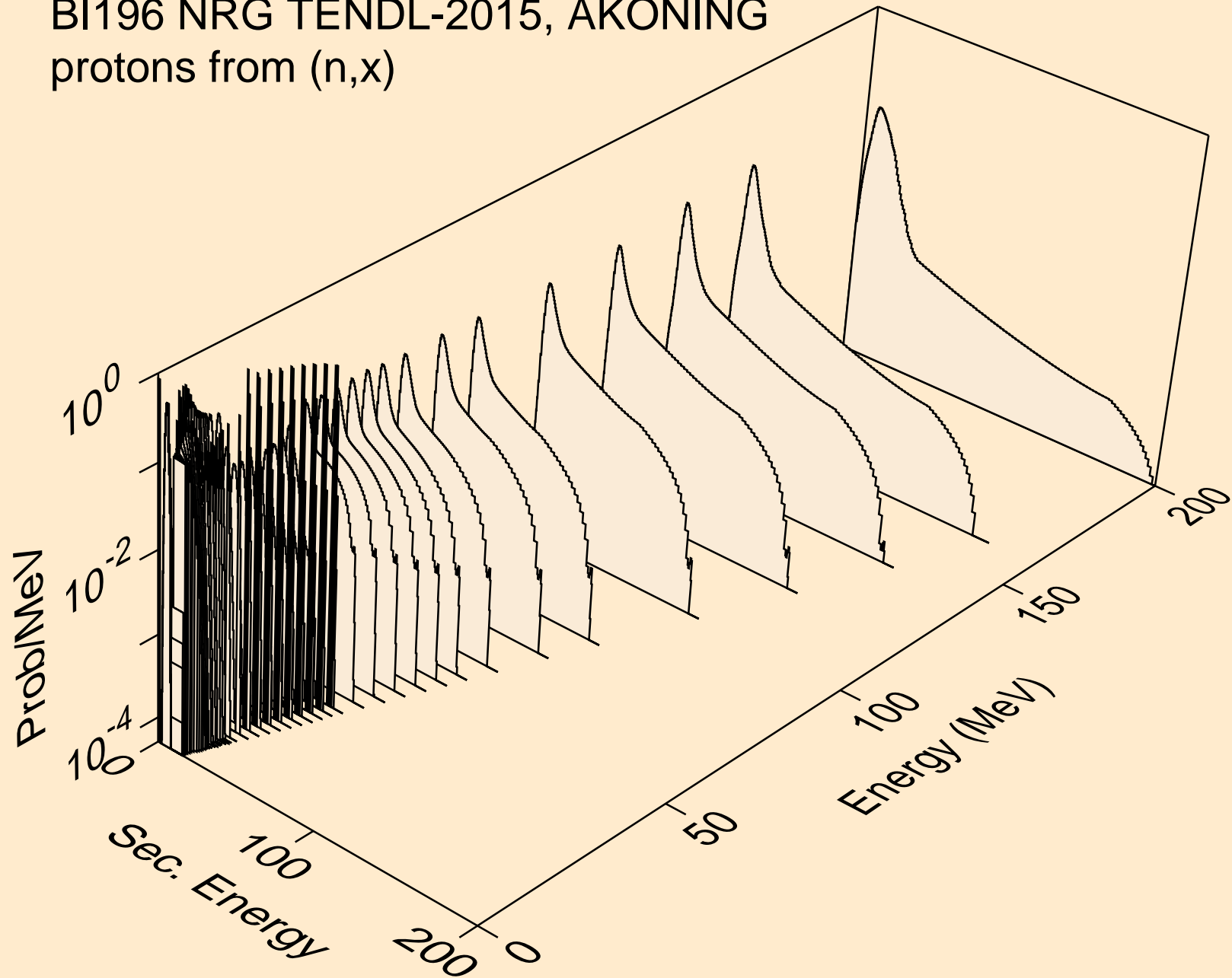


# BI196 NRG TENDL-2015, AKONING

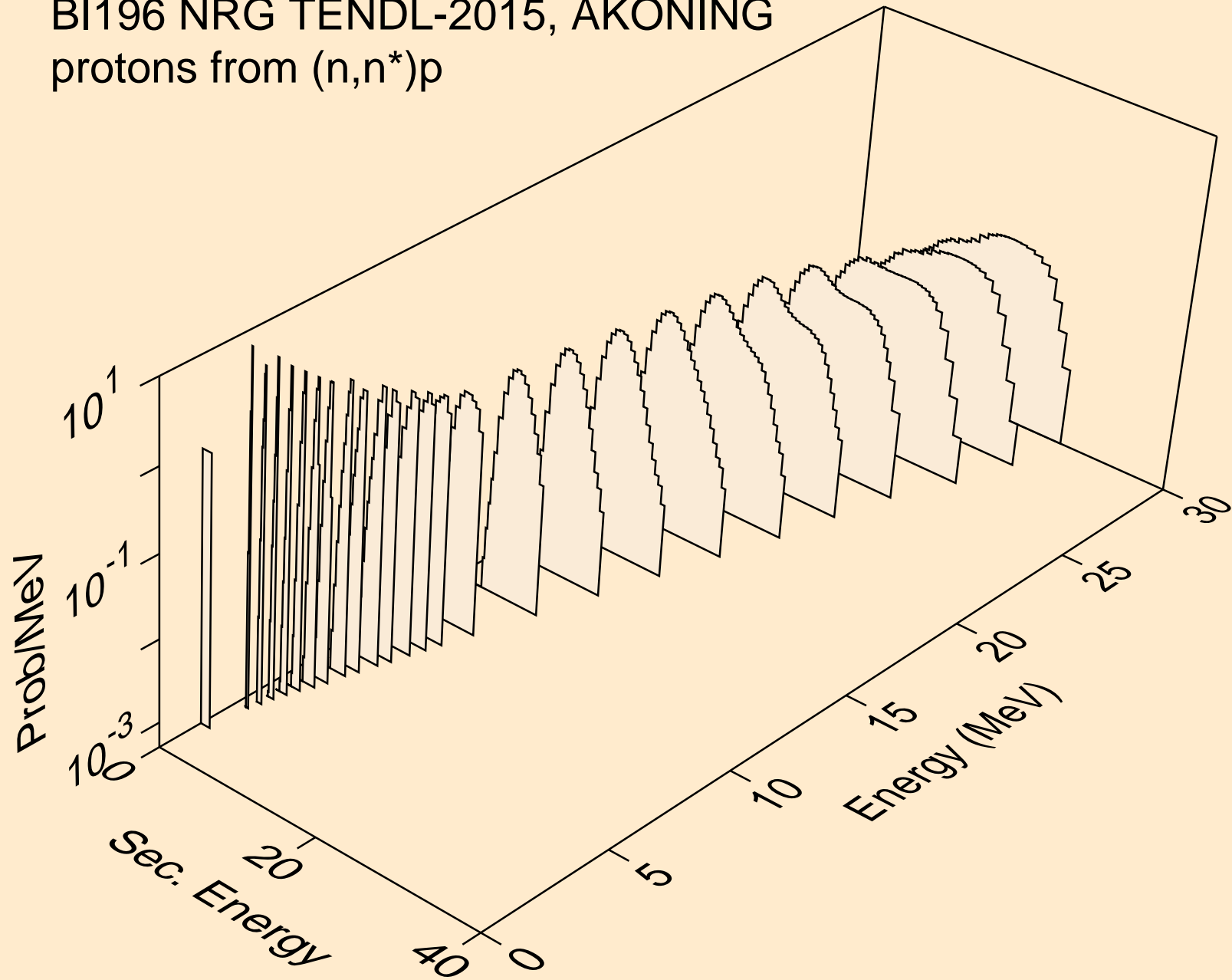
## Particle production cross sections



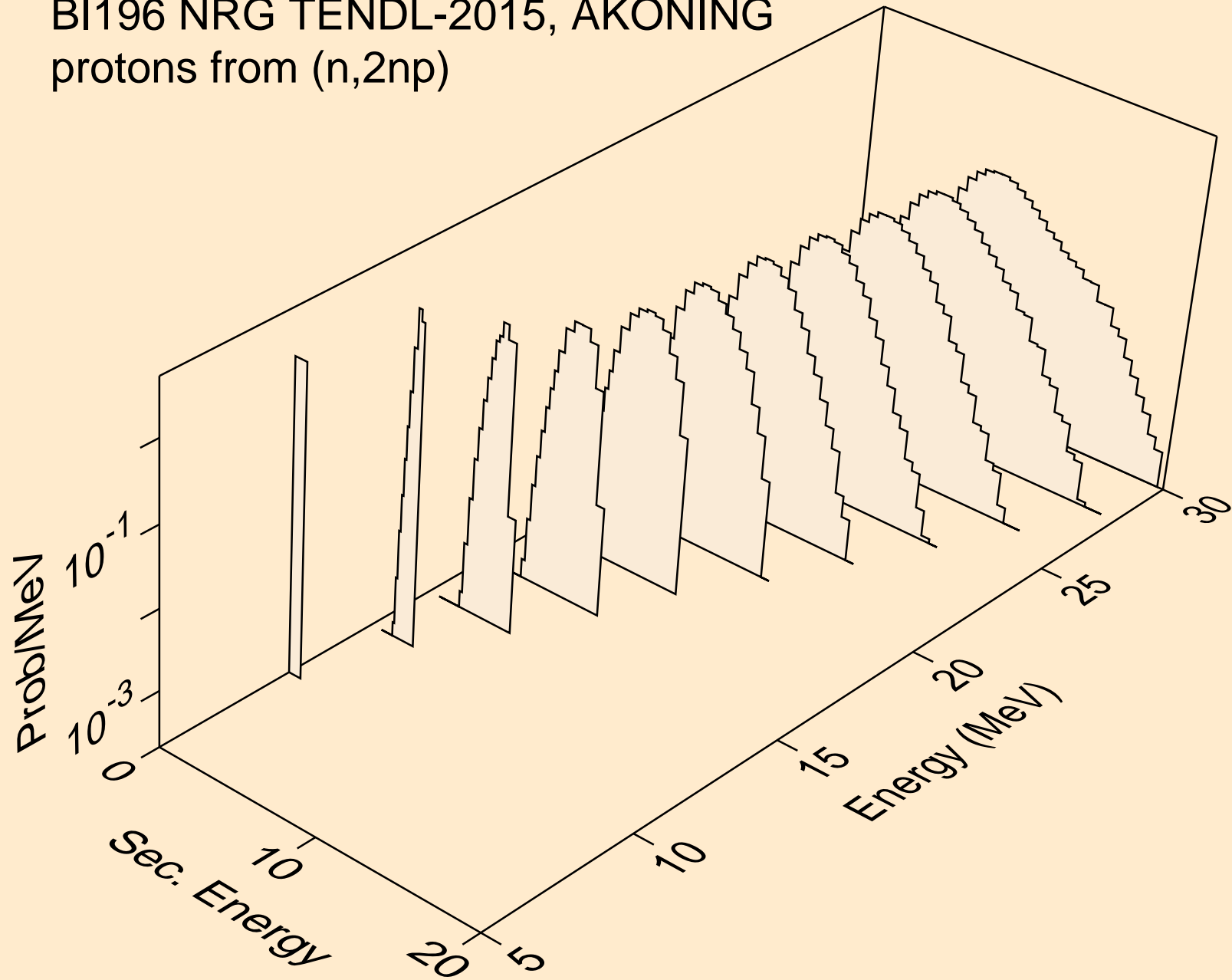
BI196 NRG TENDL-2015, AKONING  
protons from (n,x)



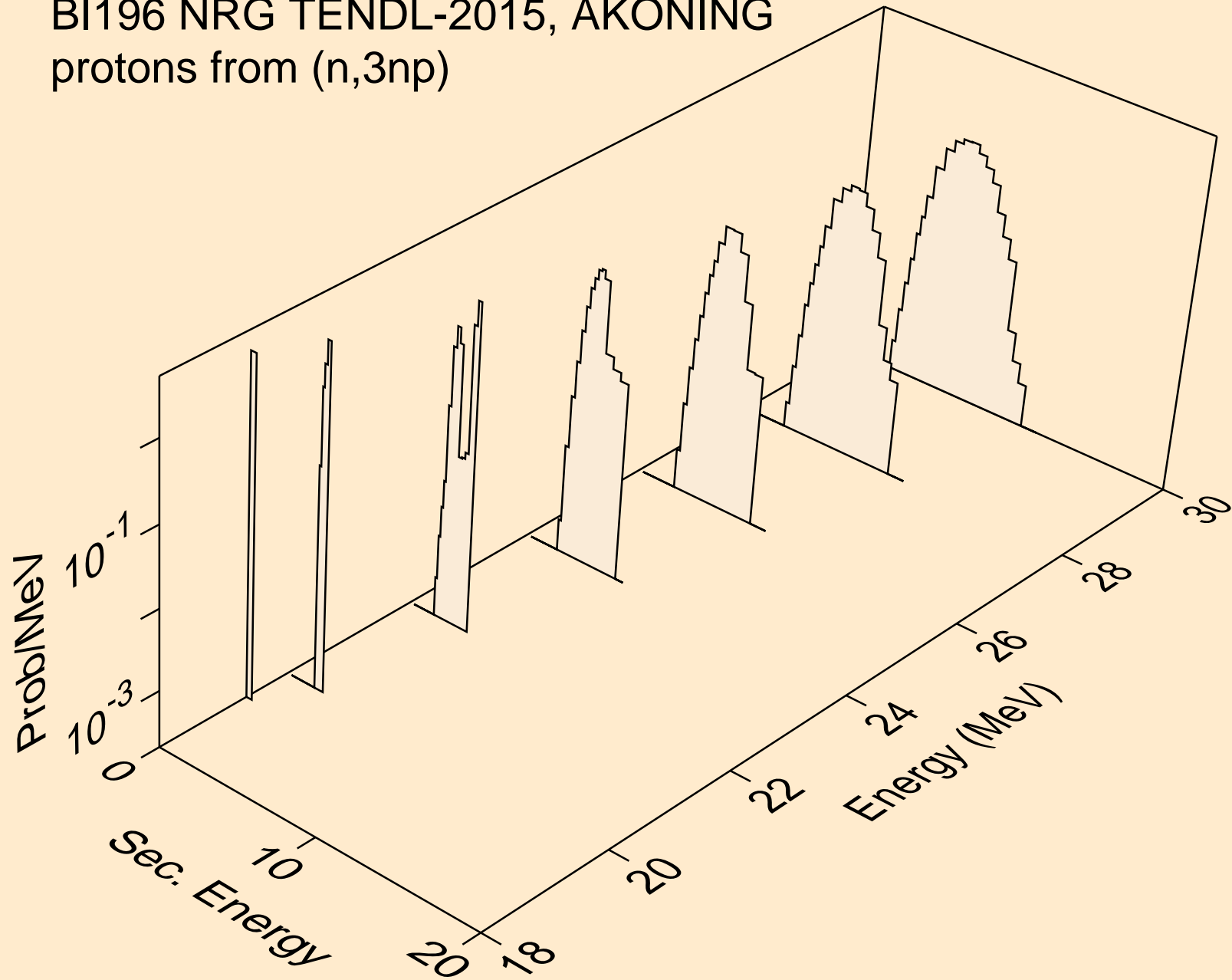
BI196 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



BI196 NRG TENDL-2015, AKONING  
protons from (n,2np)

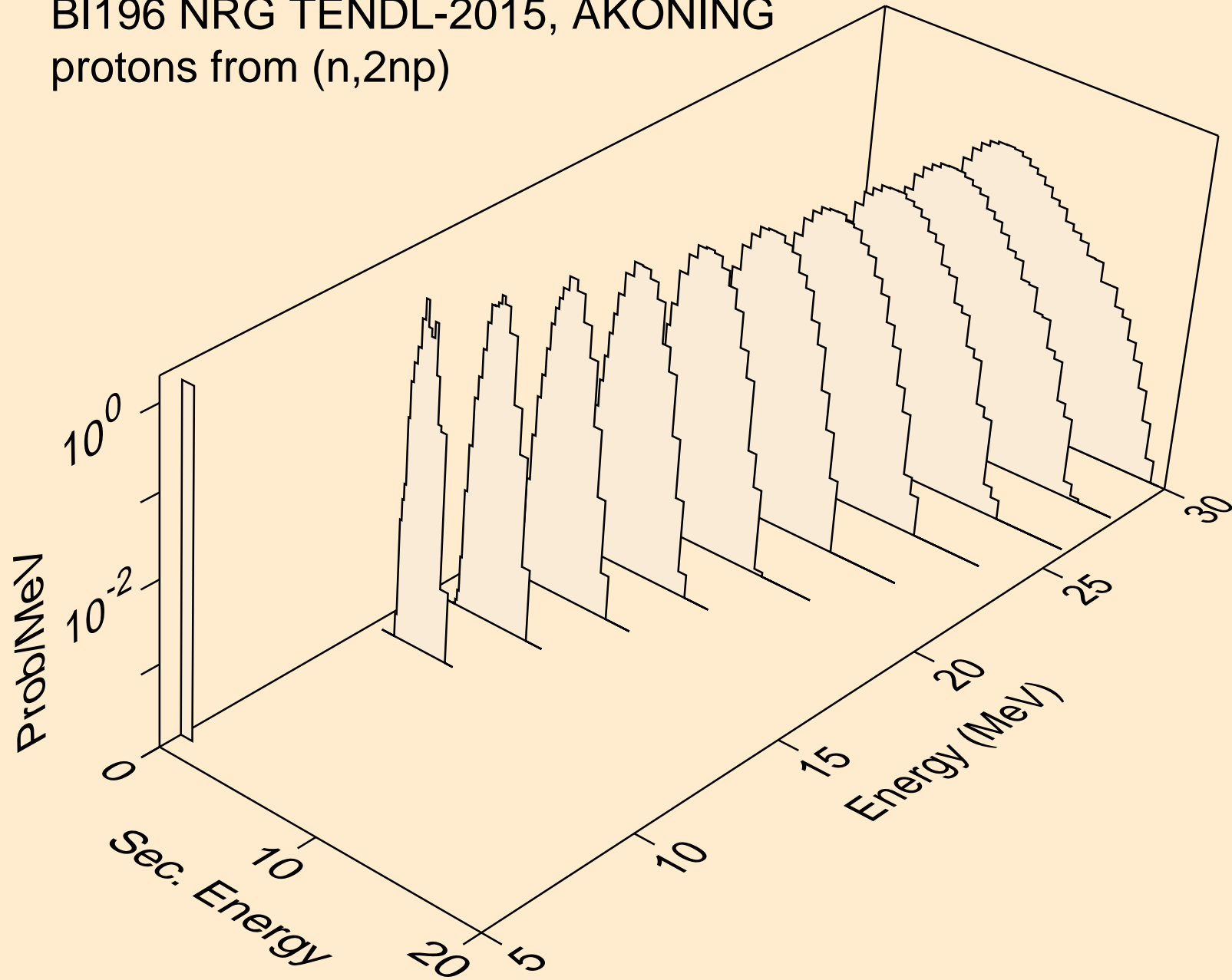


BI196 NRG TENDL-2015, AKONING  
protons from (n,3np)

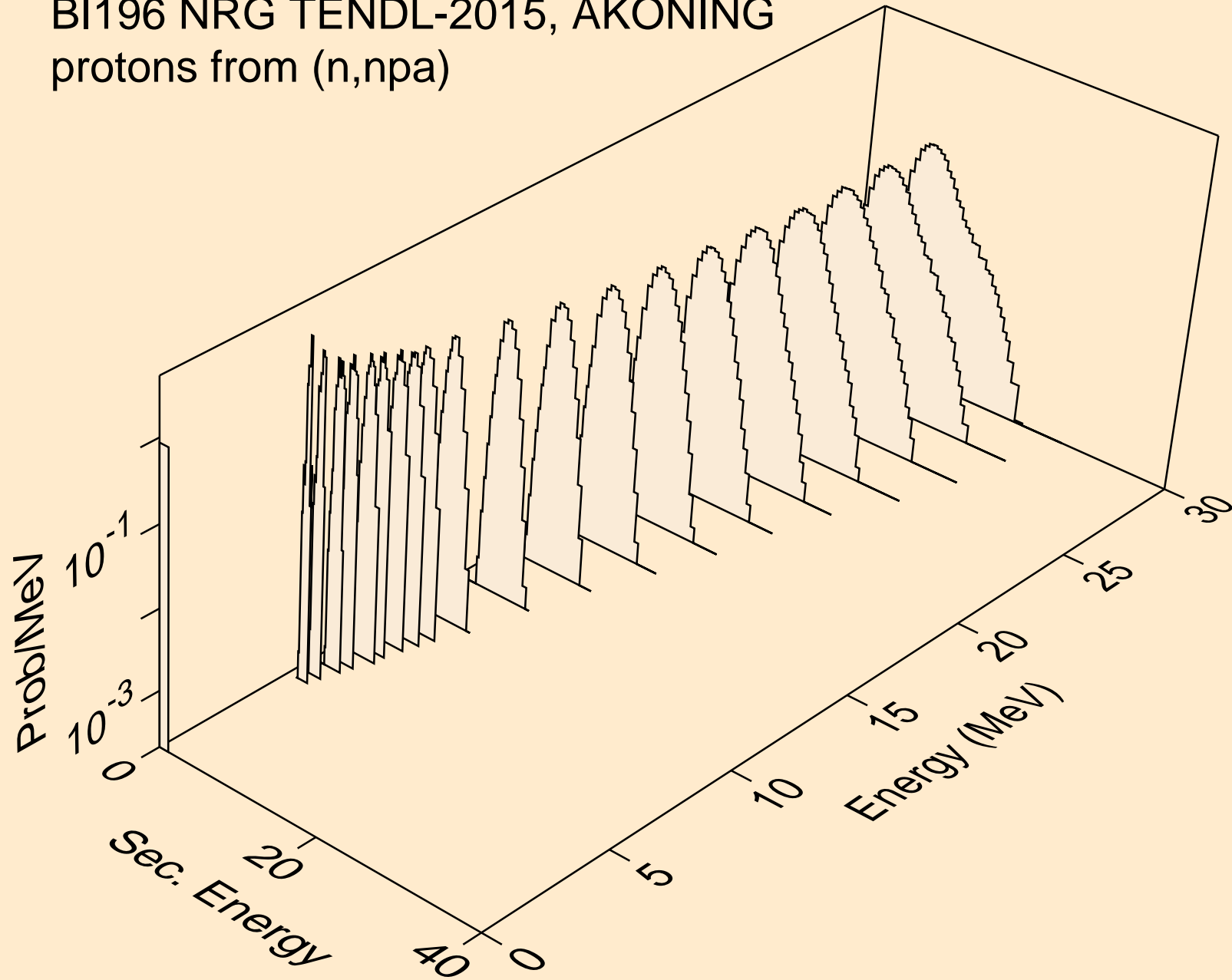




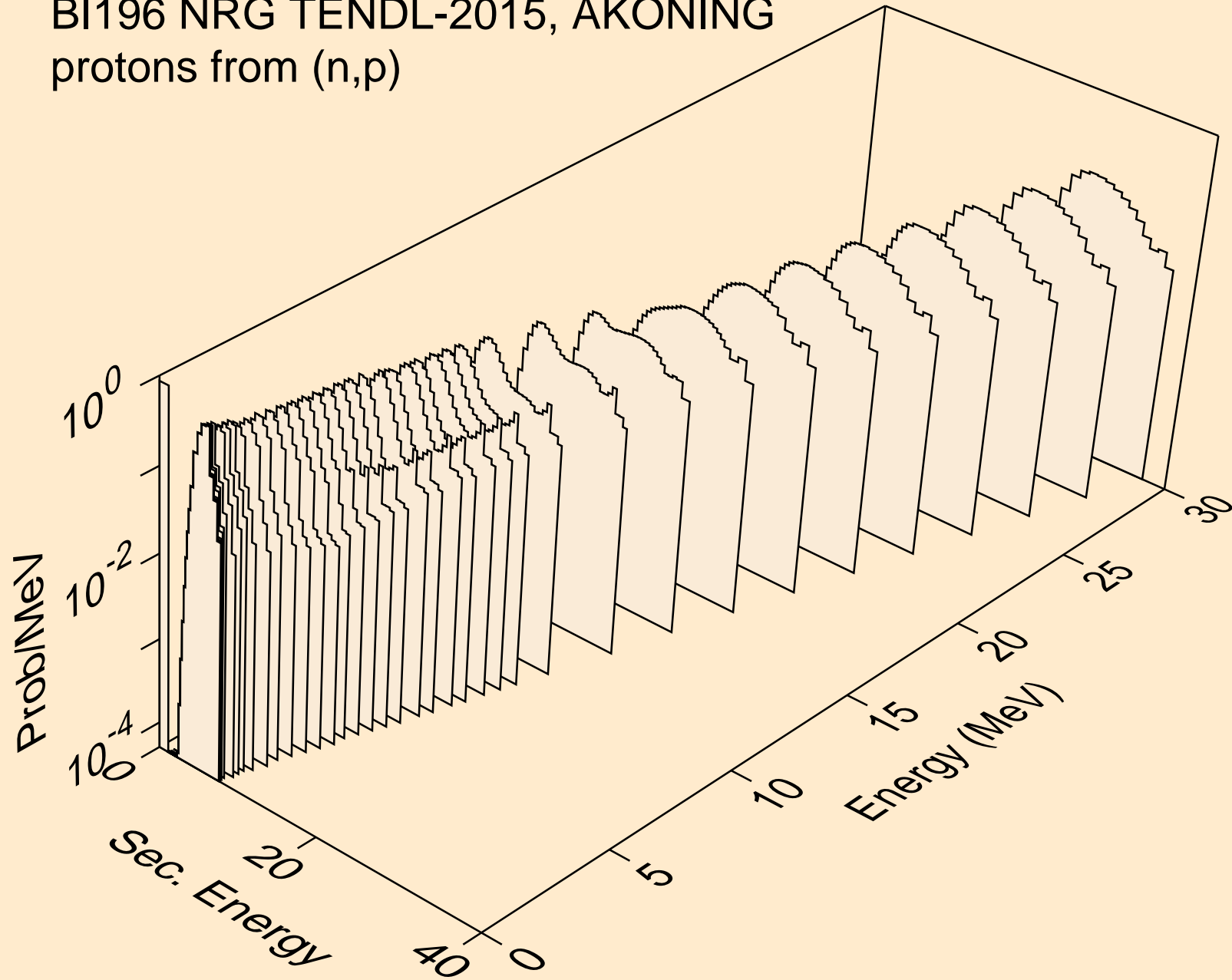
BI196 NRG TENDL-2015, AKONING  
protons from (n,2np)



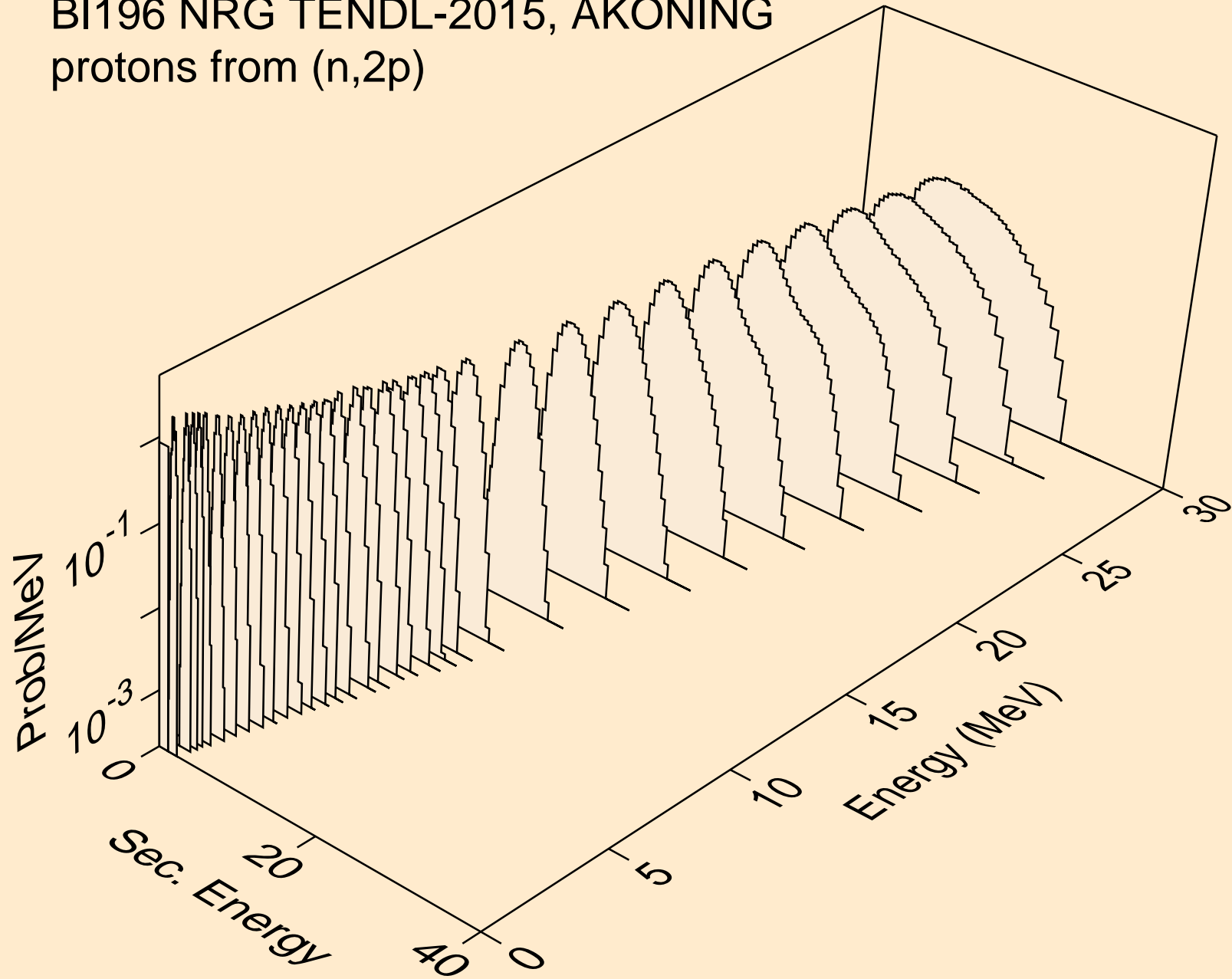
BI196 NRG TENDL-2015, AKONING  
protons from (n,npa)



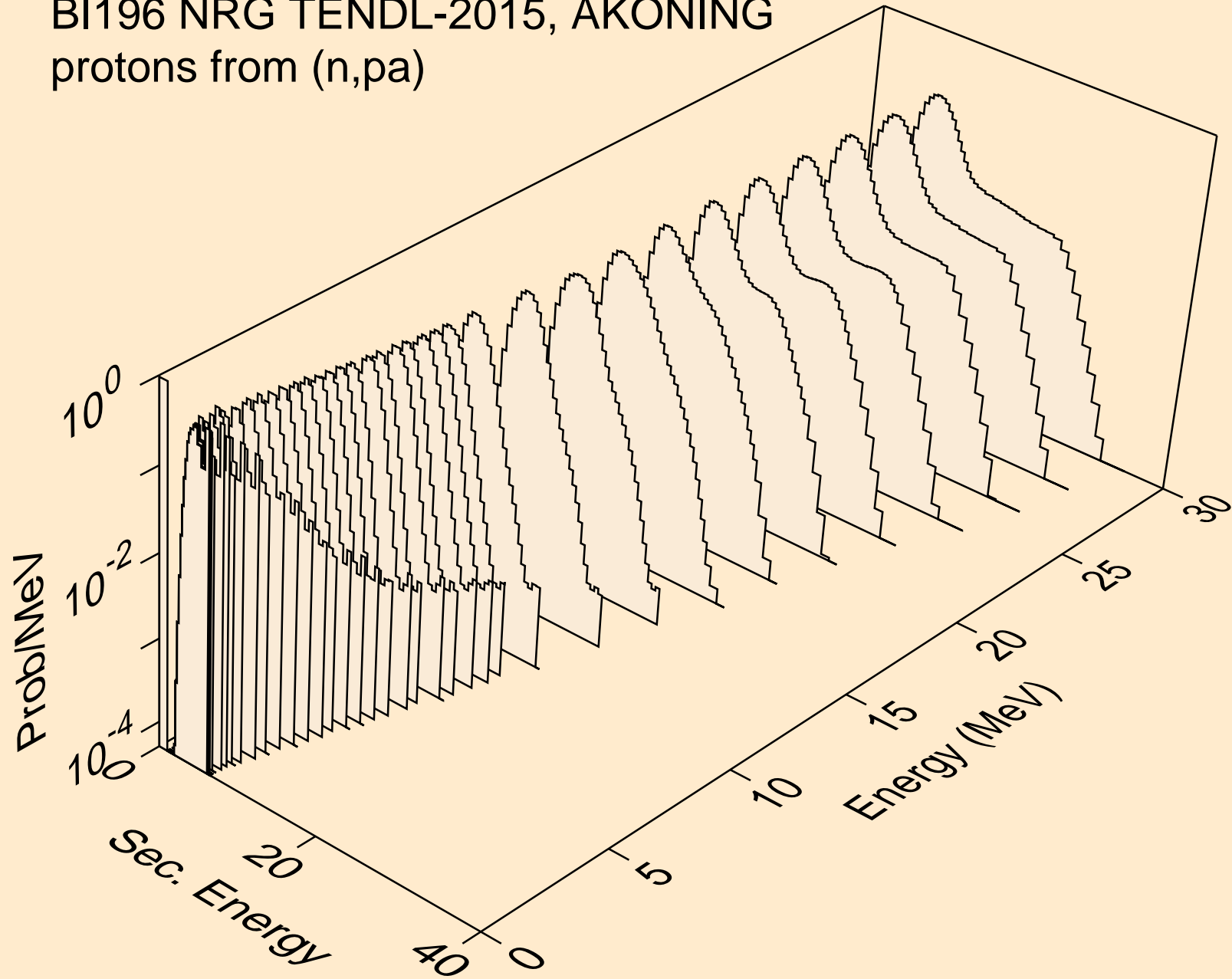
BI196 NRG TENDL-2015, AKONING  
protons from (n,p)



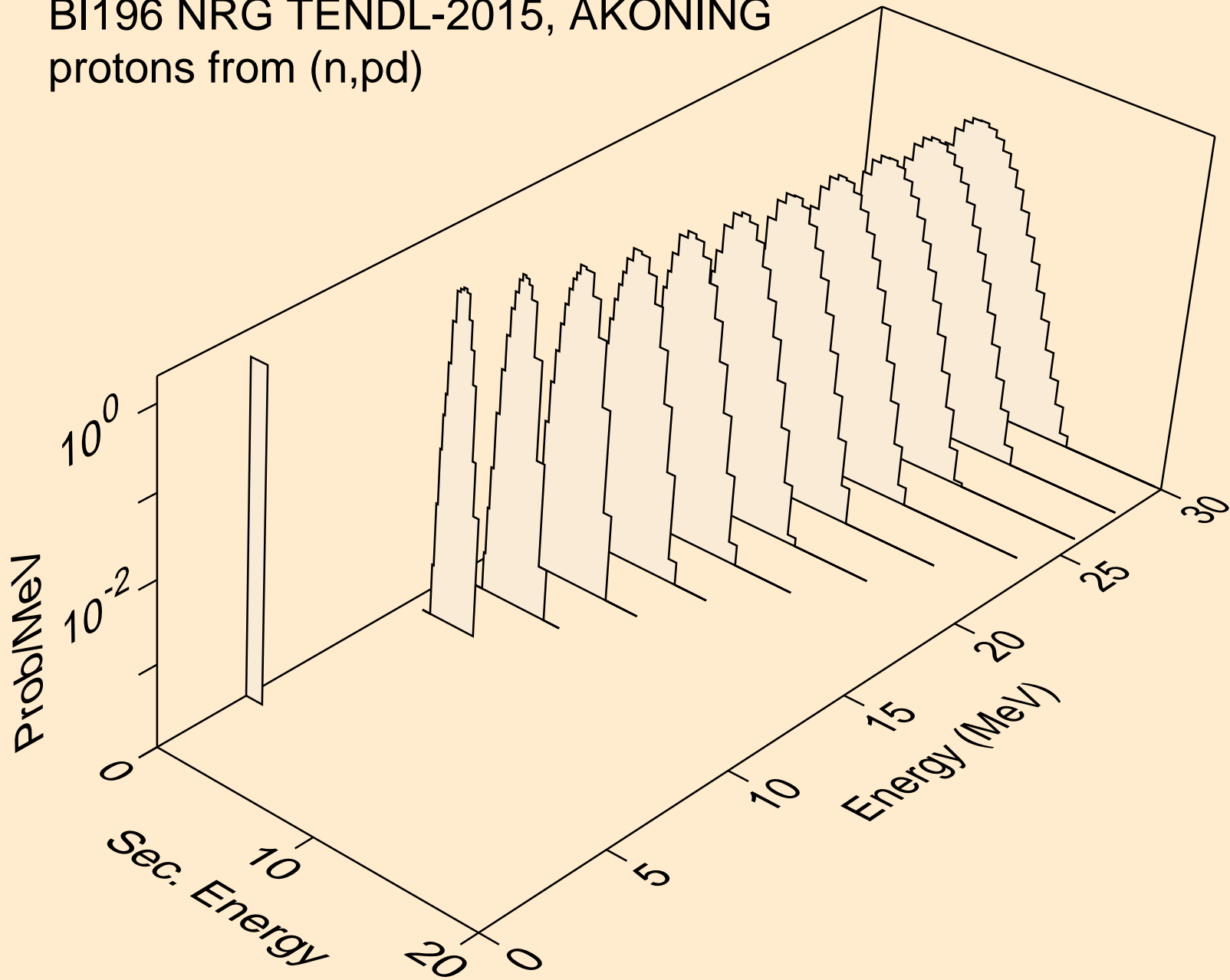
BI196 NRG TENDL-2015, AKONING  
protons from (n,2p)



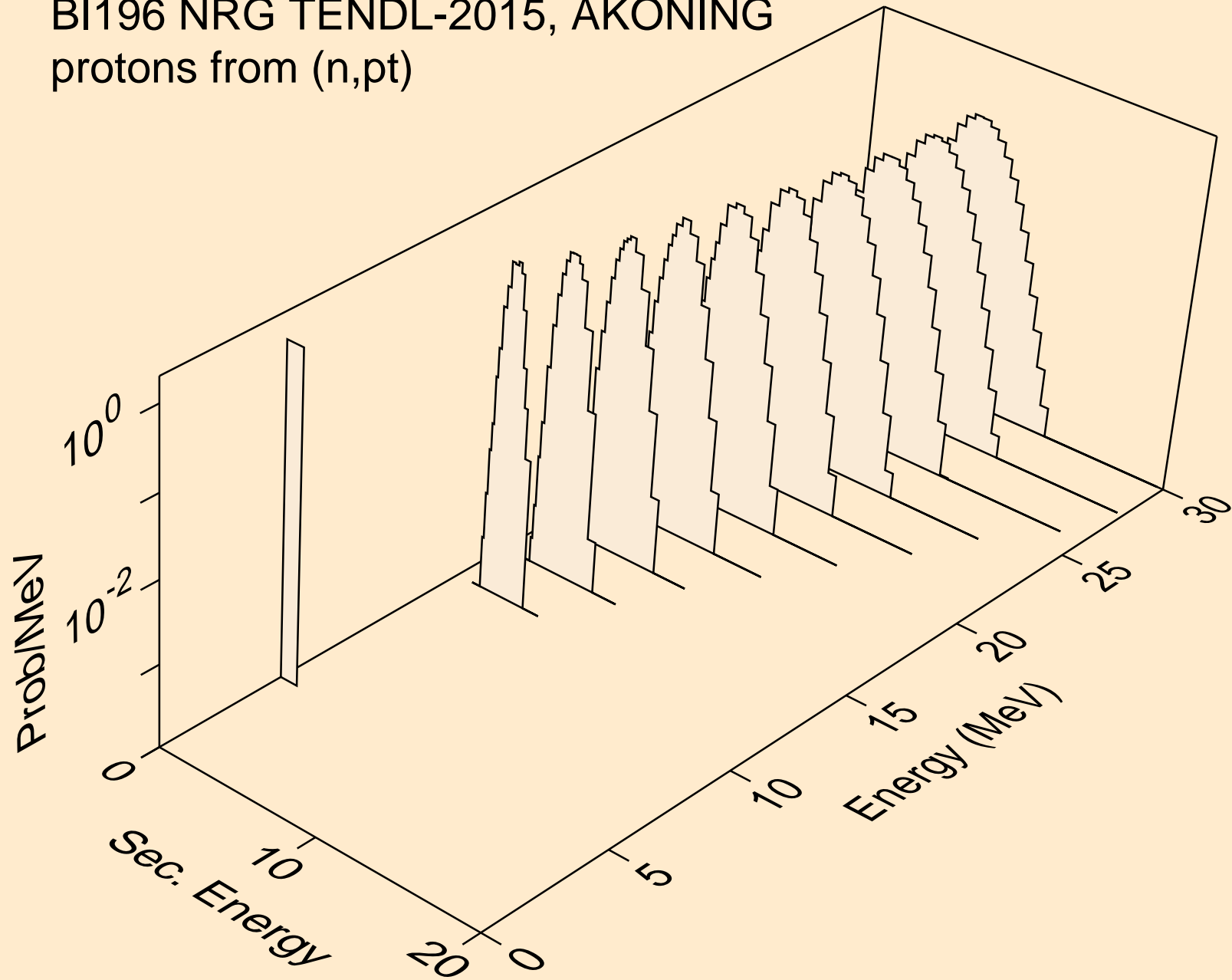
BI196 NRG TENDL-2015, AKONING  
protons from (n,pa)



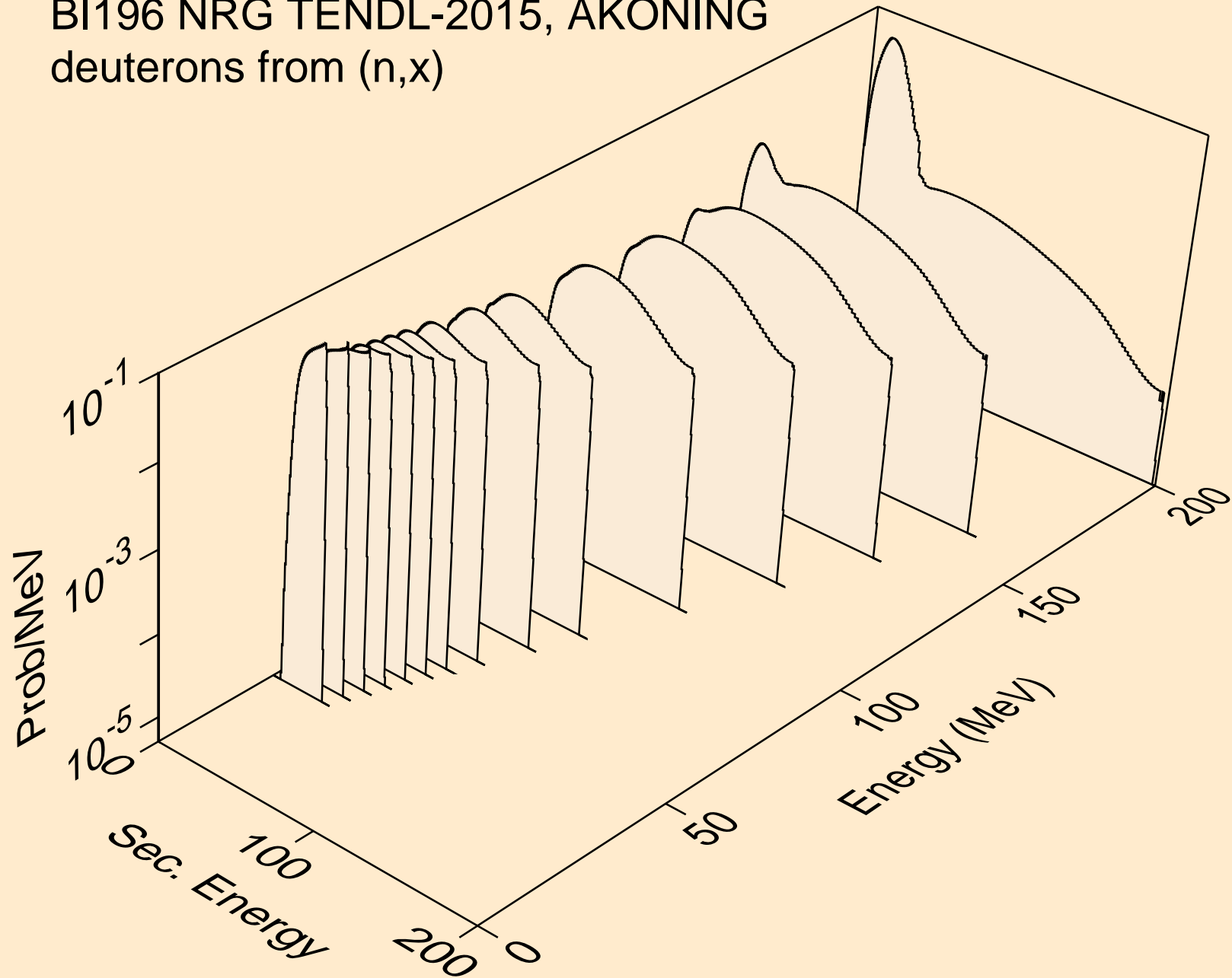
BI196 NRG TENDL-2015, AKONING  
protons from (n,pd)



BI196 NRG TENDL-2015, AKONING  
protons from (n,pt)

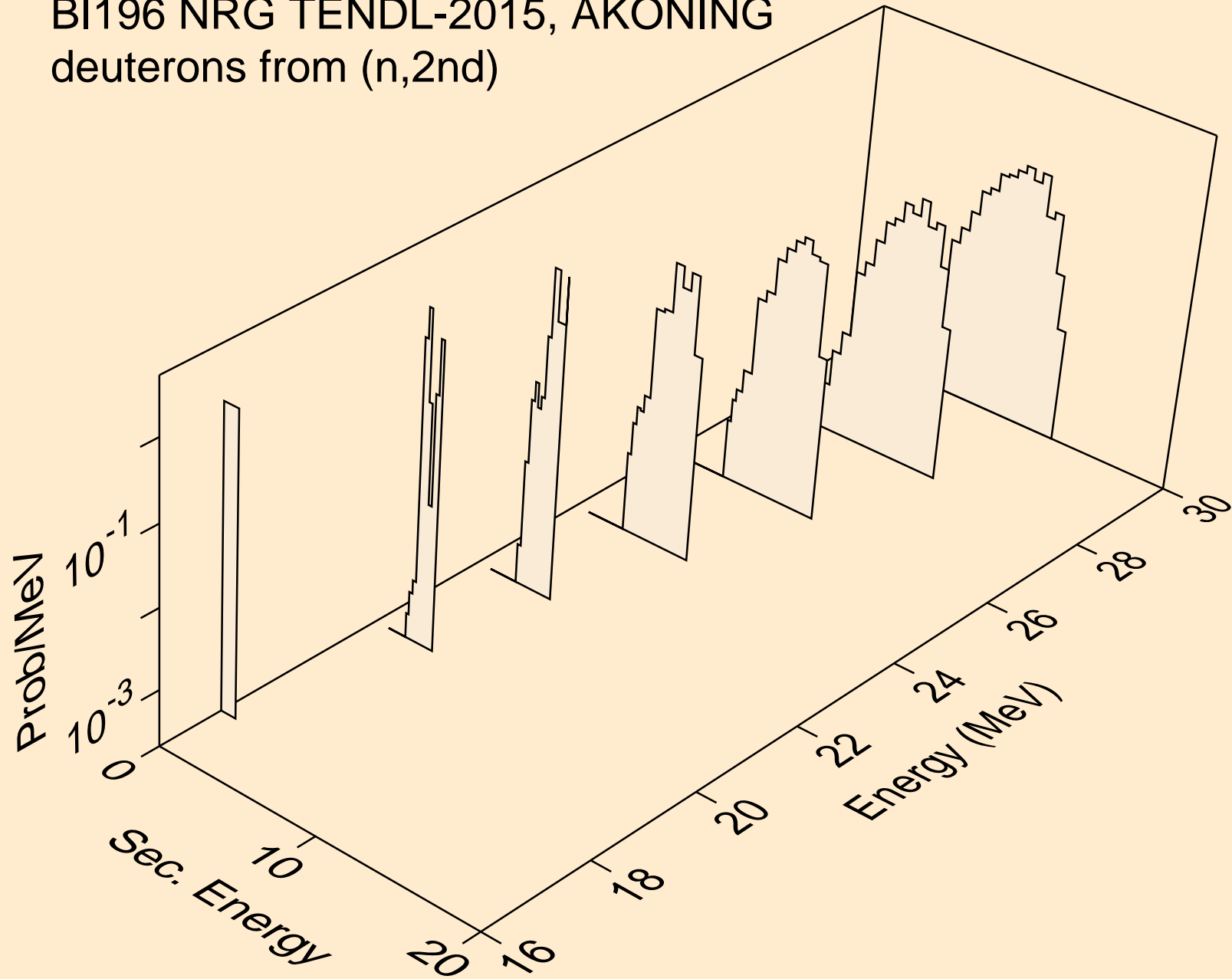


BI196 NRG TENDL-2015, AKONING  
deuterons from (n,x)

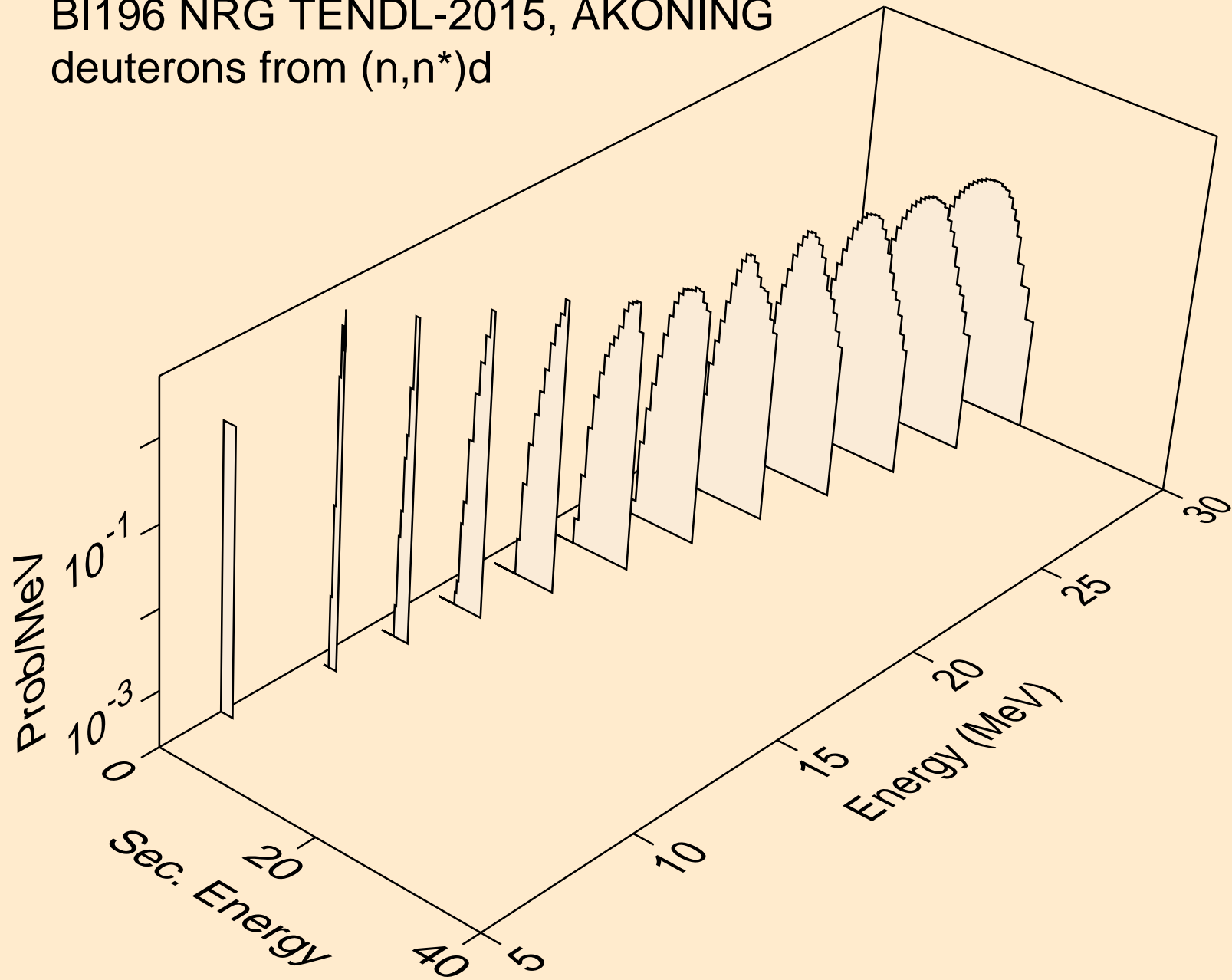




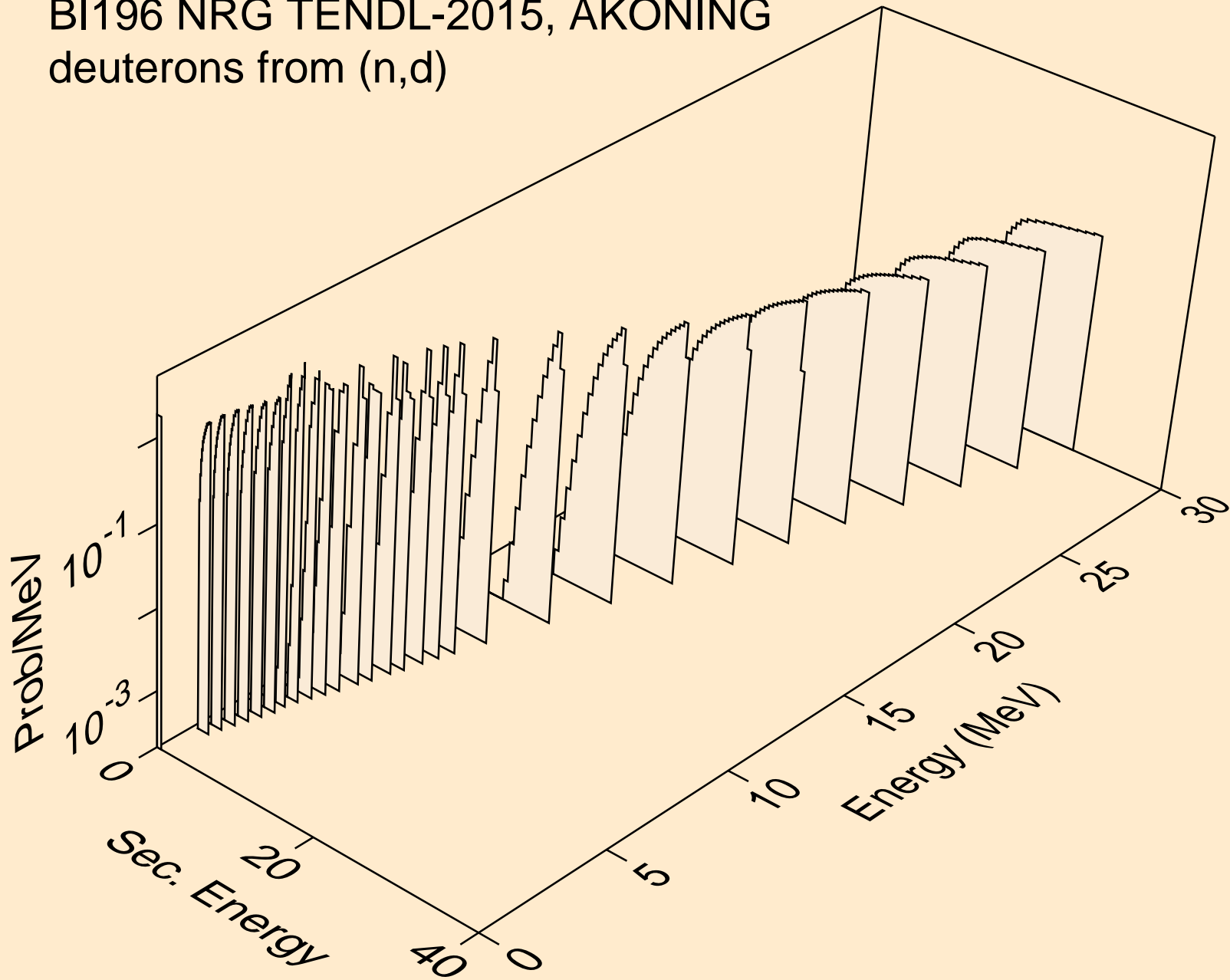
BI196 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



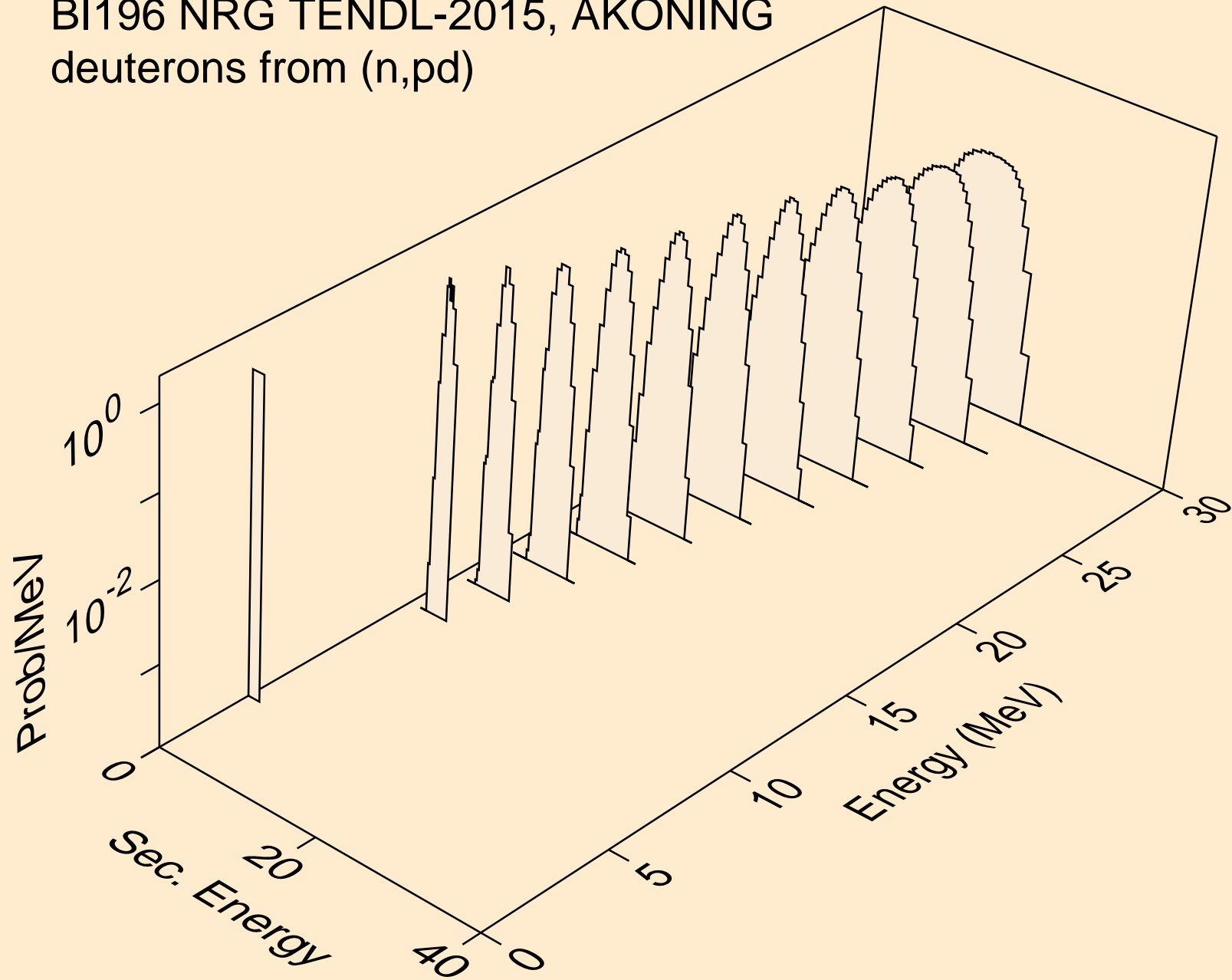
BI196 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



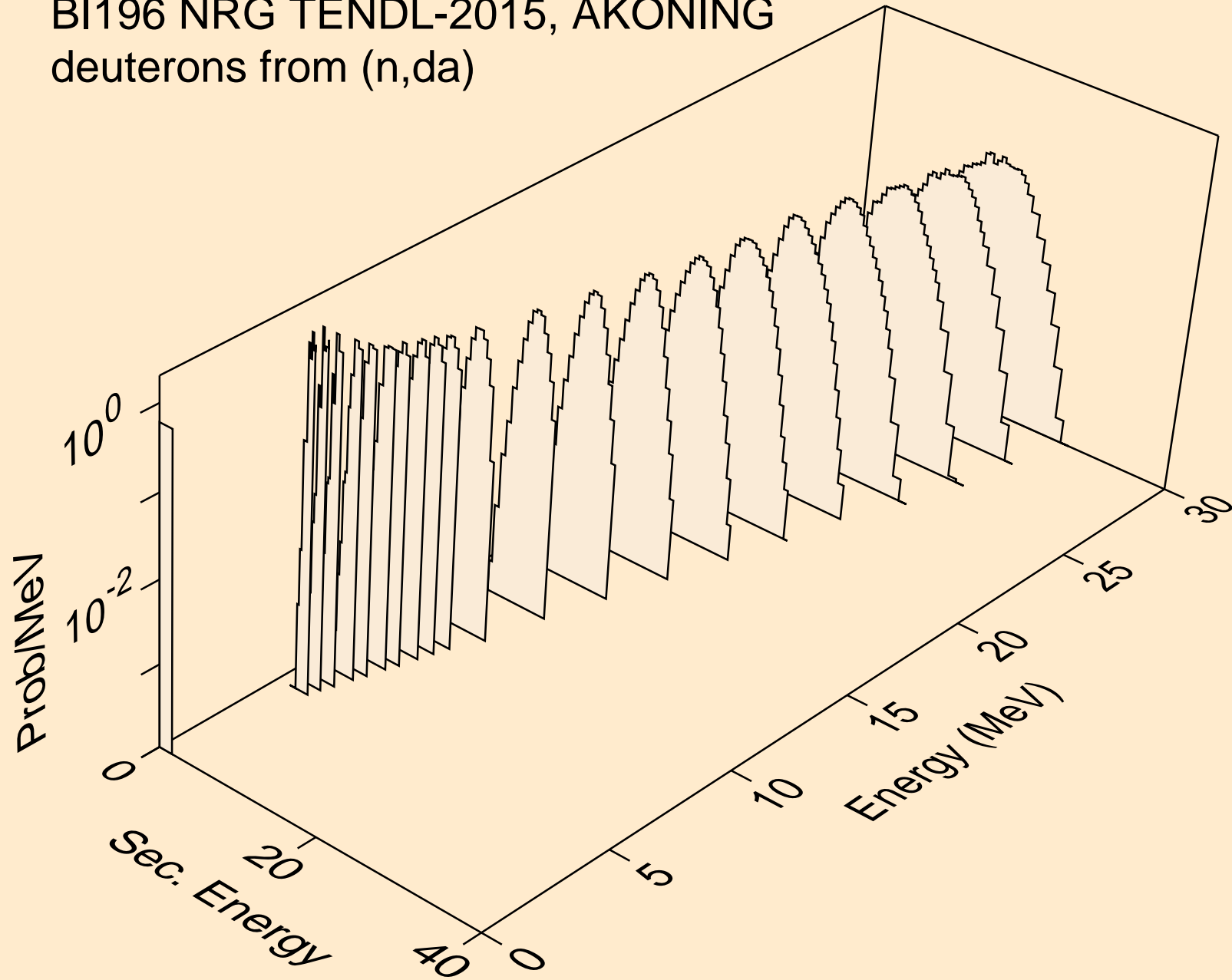
BI196 NRG TENDL-2015, AKONING  
deuterons from (n,d)



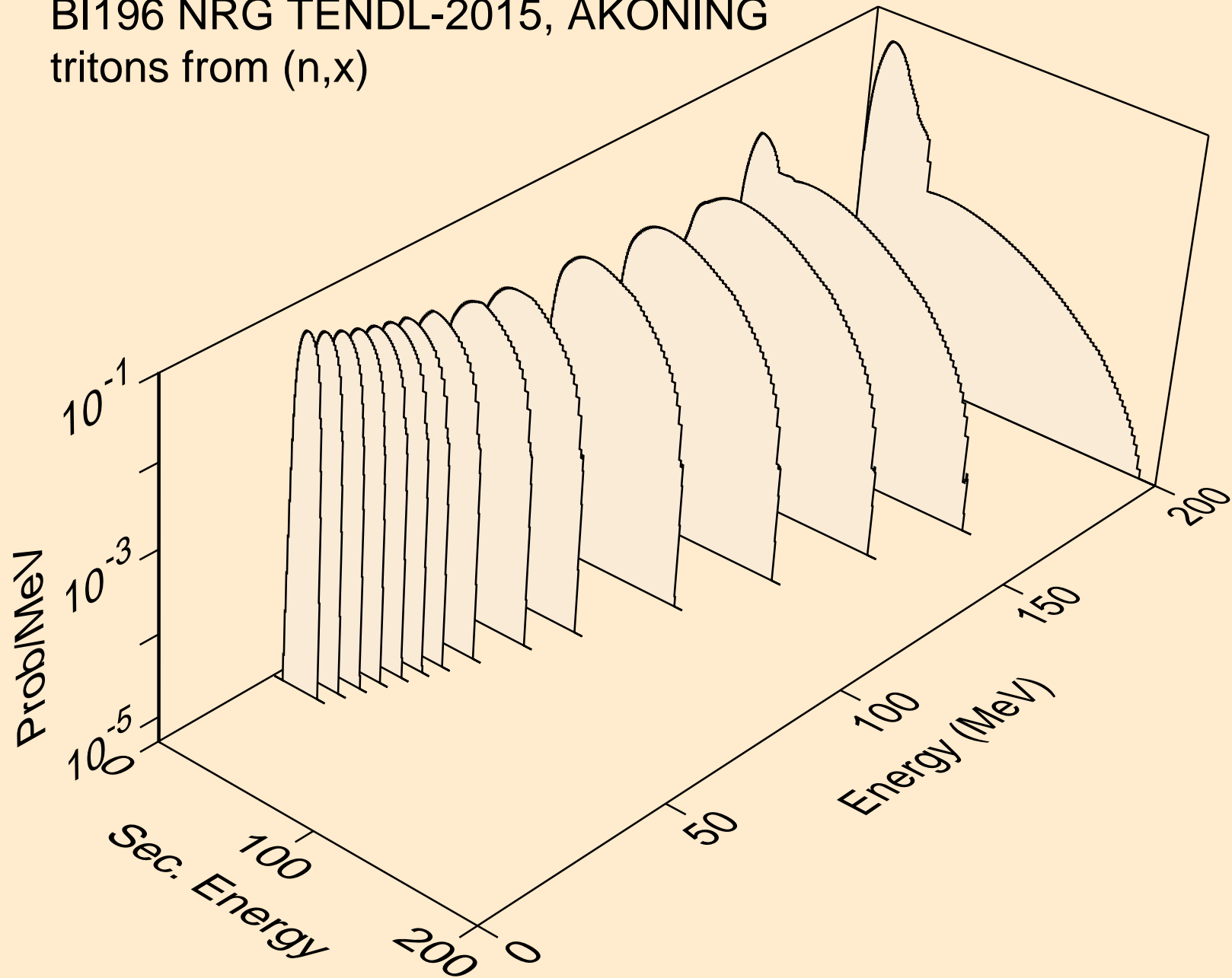
BI196 NRG TENDL-2015, AKONING  
deuterons from (n,pd)



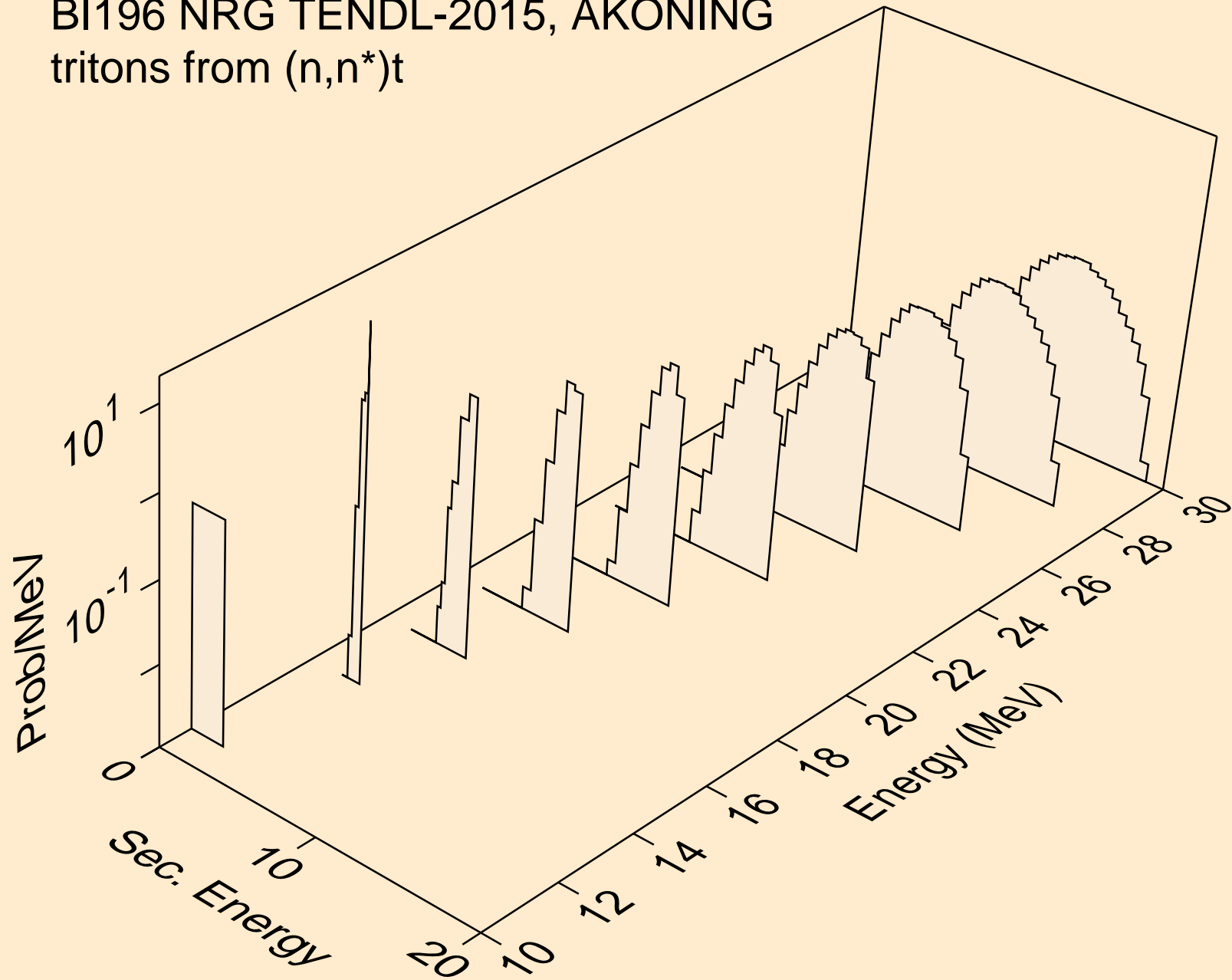
BI196 NRG TENDL-2015, AKONING  
deuterons from (n,da)



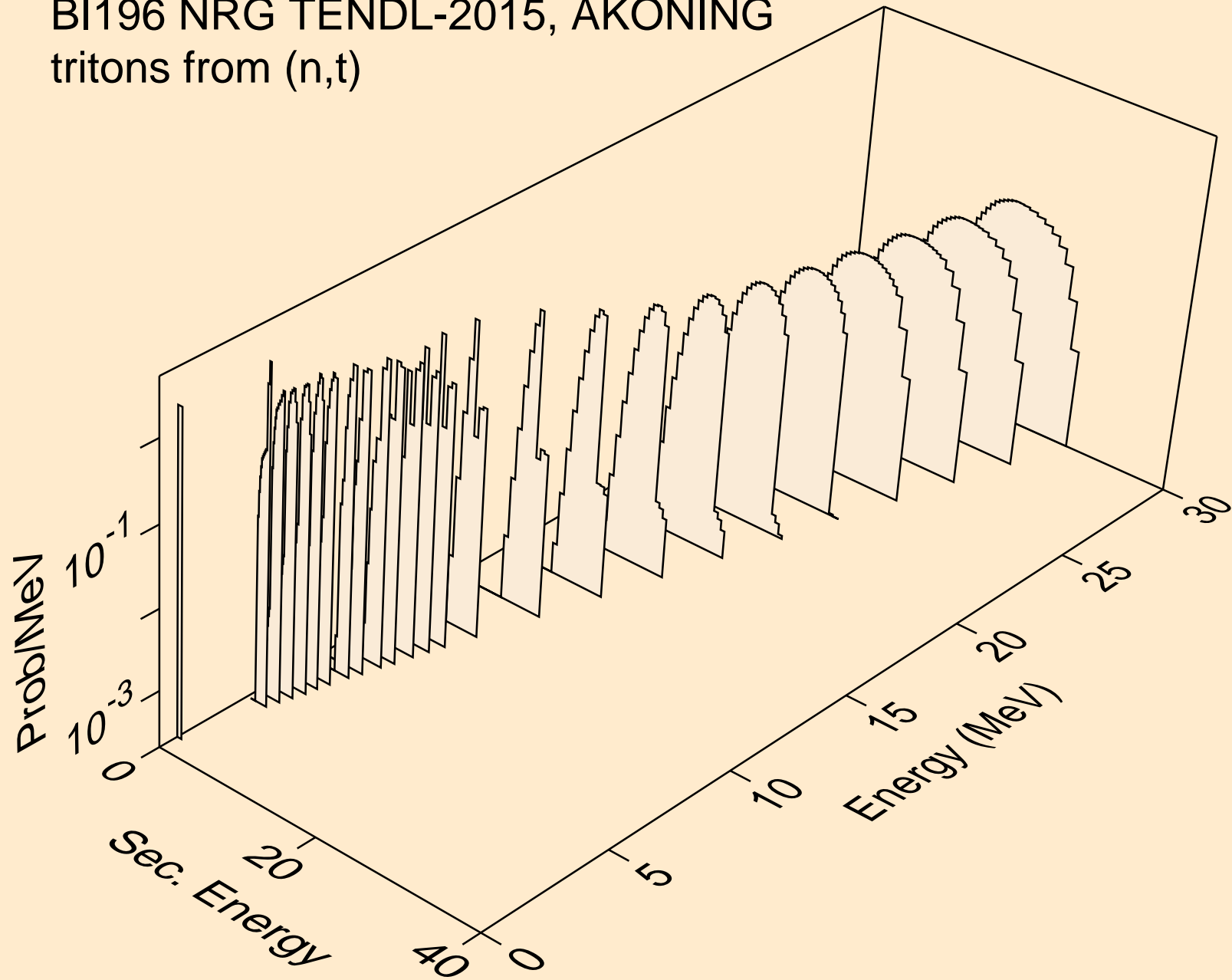
BI196 NRG TENDL-2015, AKONING  
tritons from (n,x)



BI196 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t

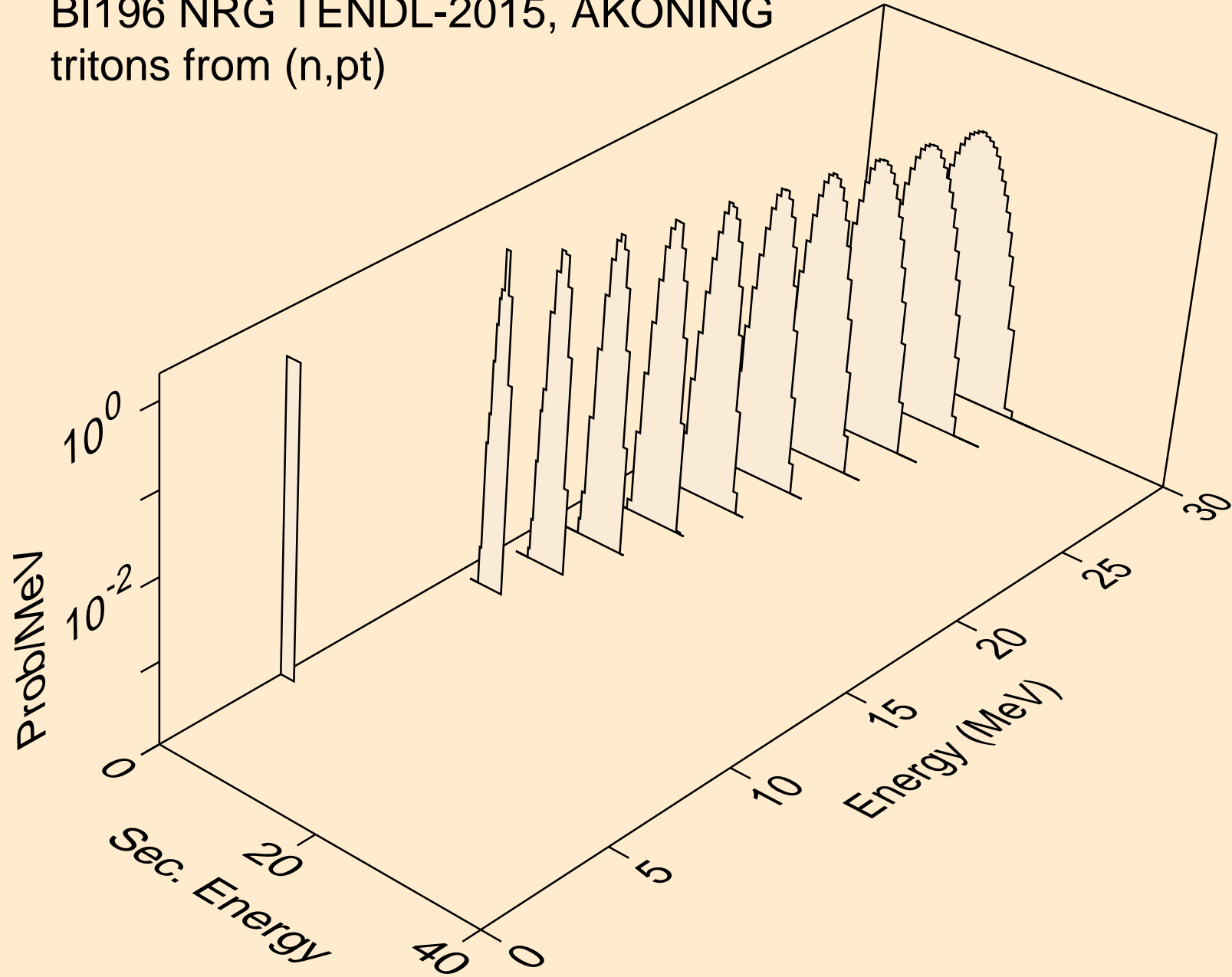


BI196 NRG TENDL-2015, AKONING  
tritons from (n,t)

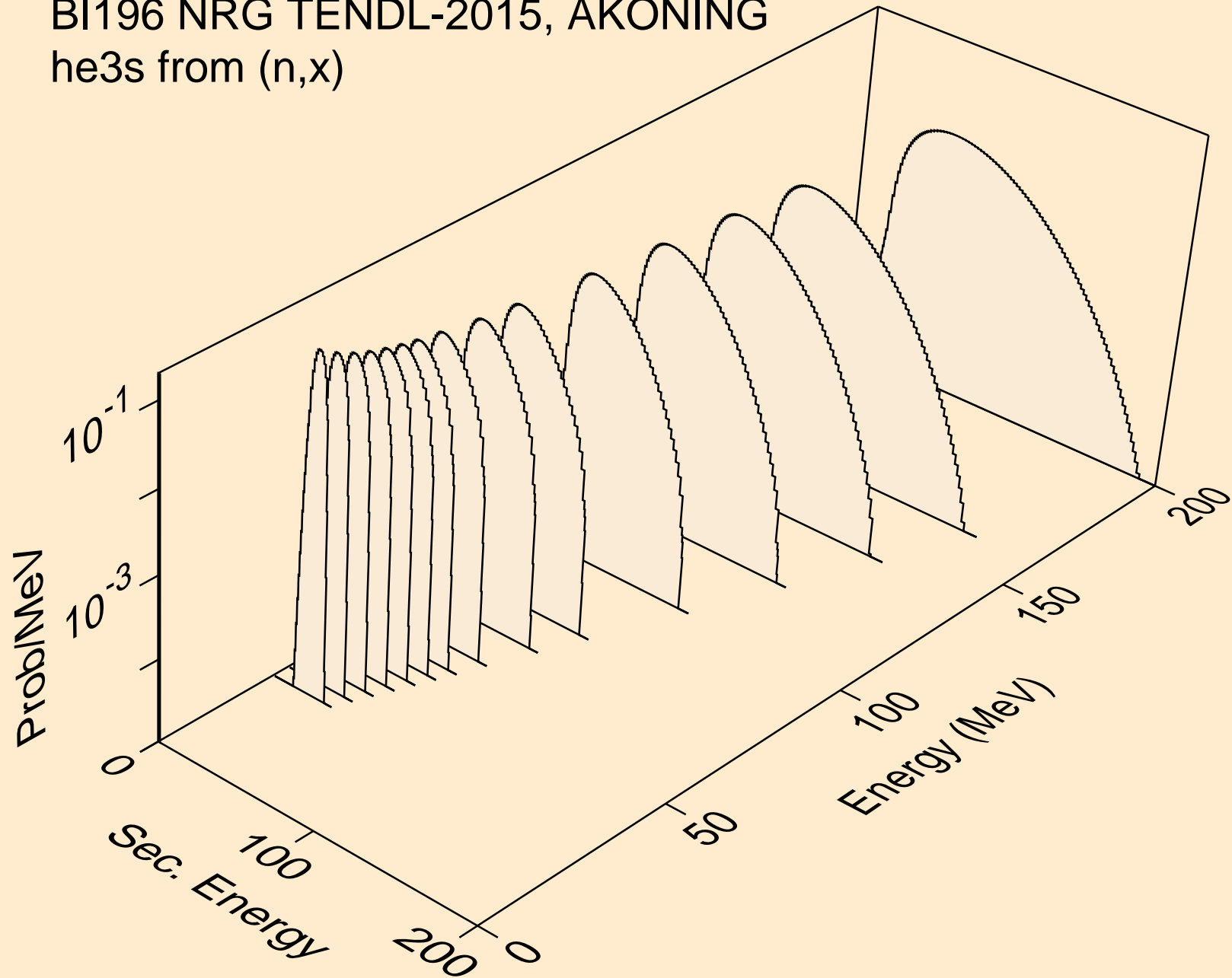




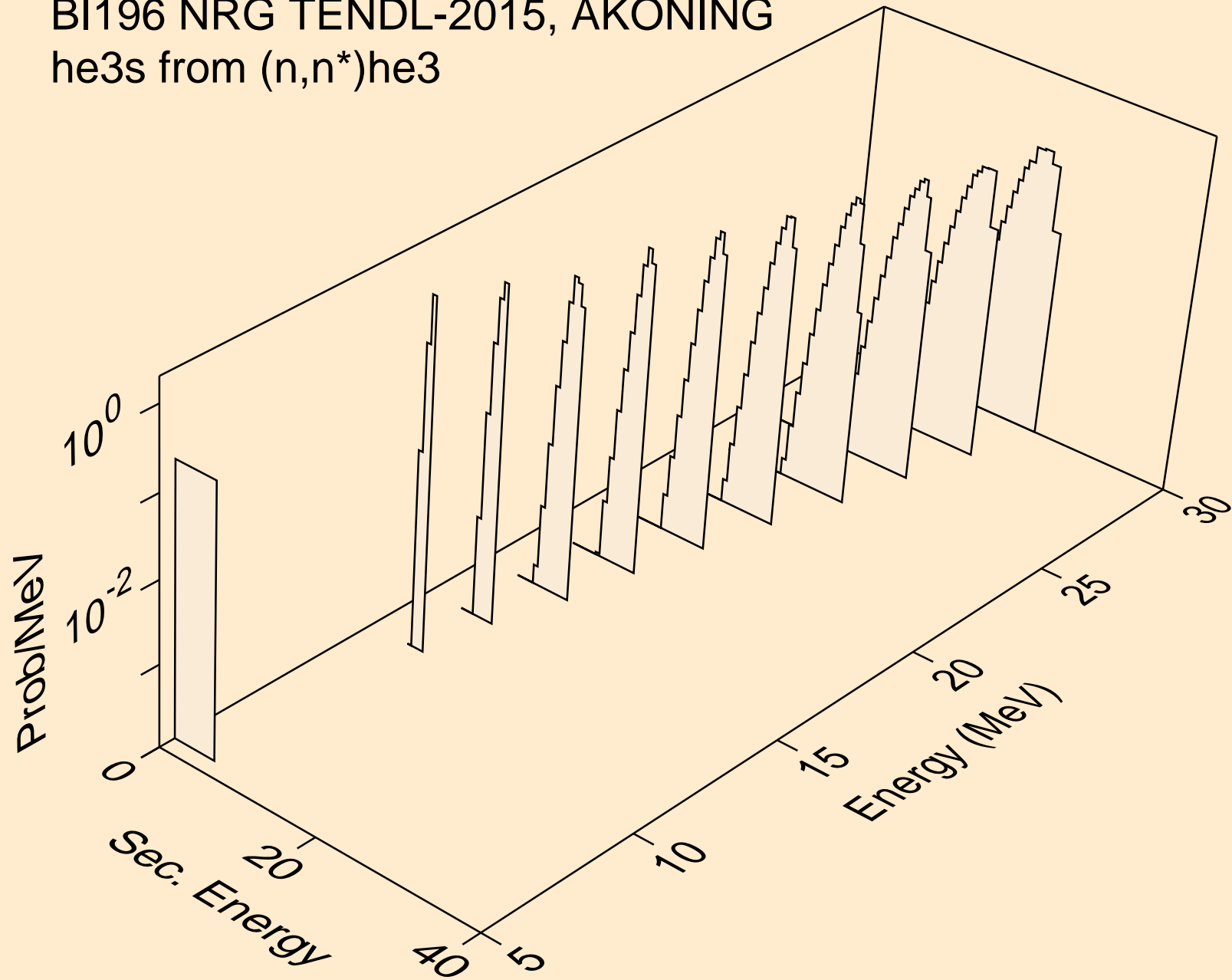
BI196 NRG TENDL-2015, AKONING  
tritons from (n,pt)



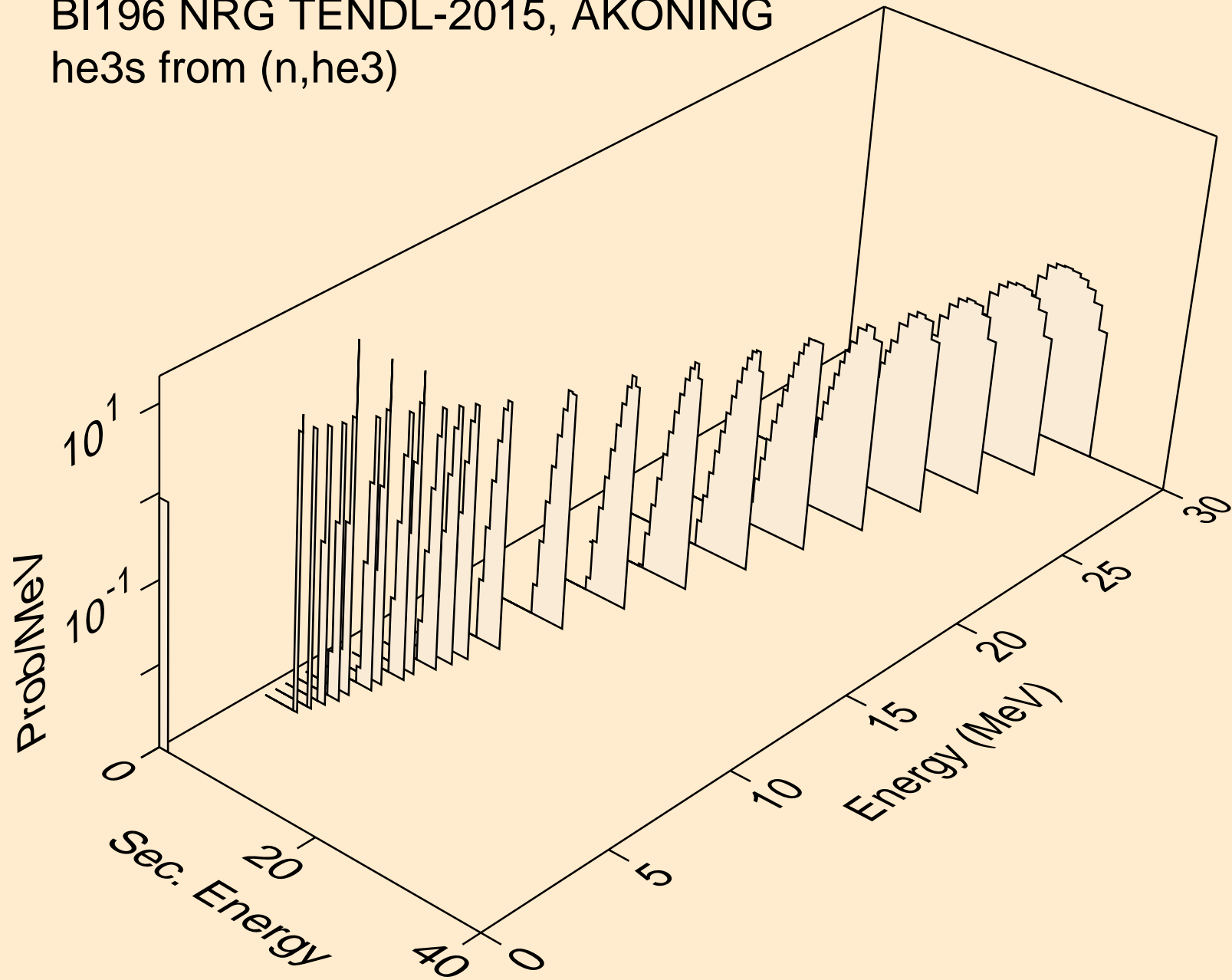
BI196 NRG TENDL-2015, AKONING  
he3s from (n,x)



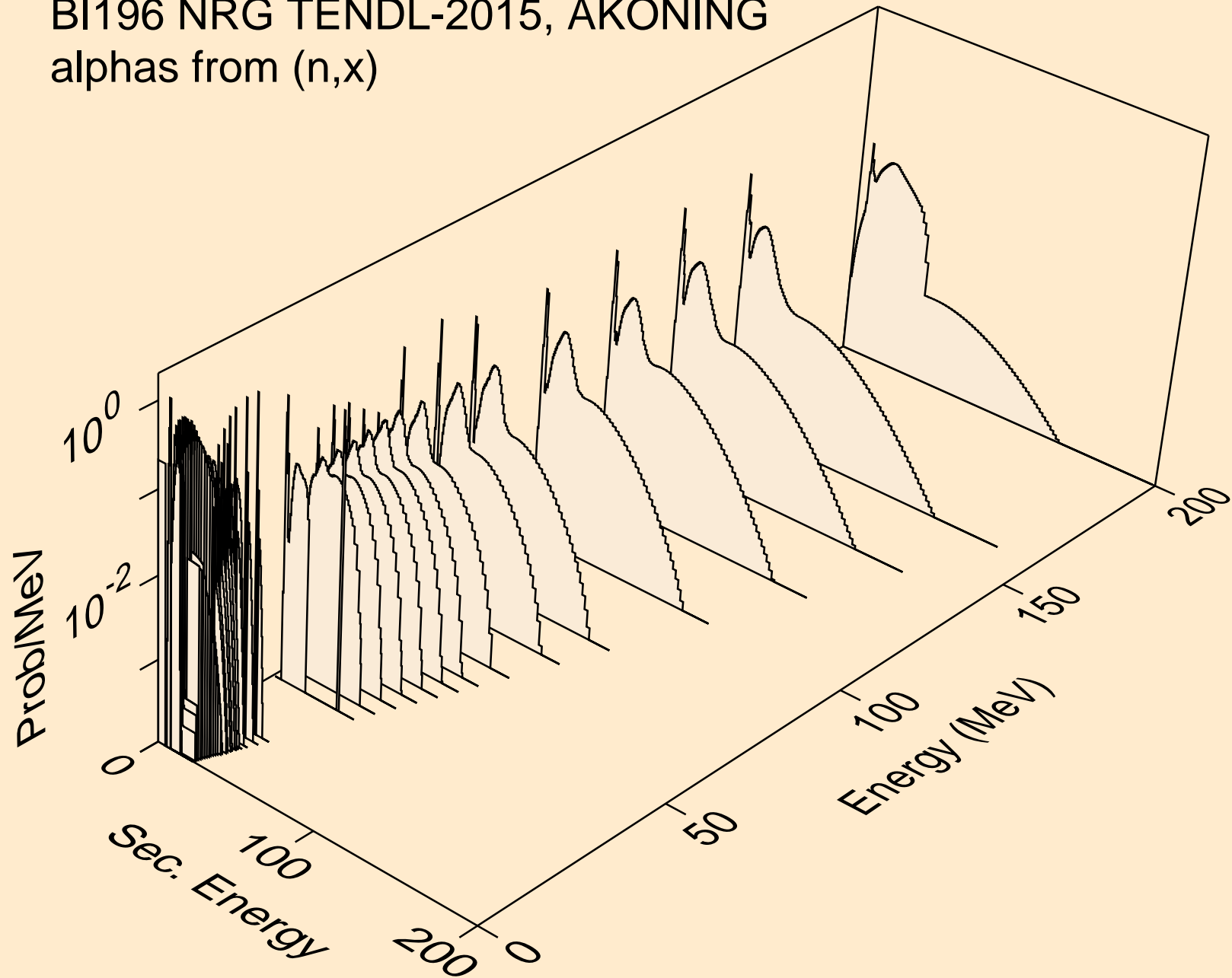
BI196 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



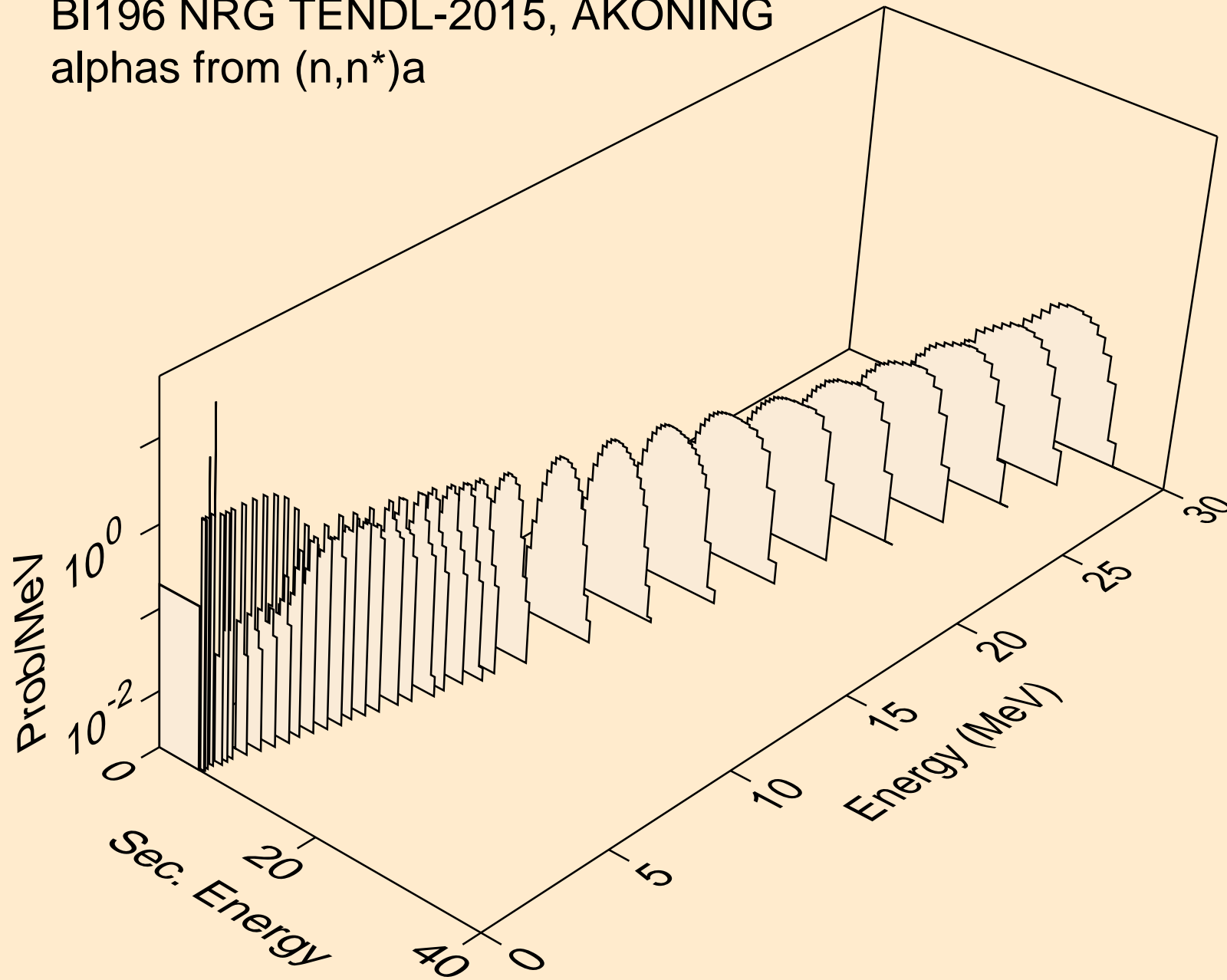
BI196 NRG TENDL-2015, AKONING  
he3s from (n,he3)



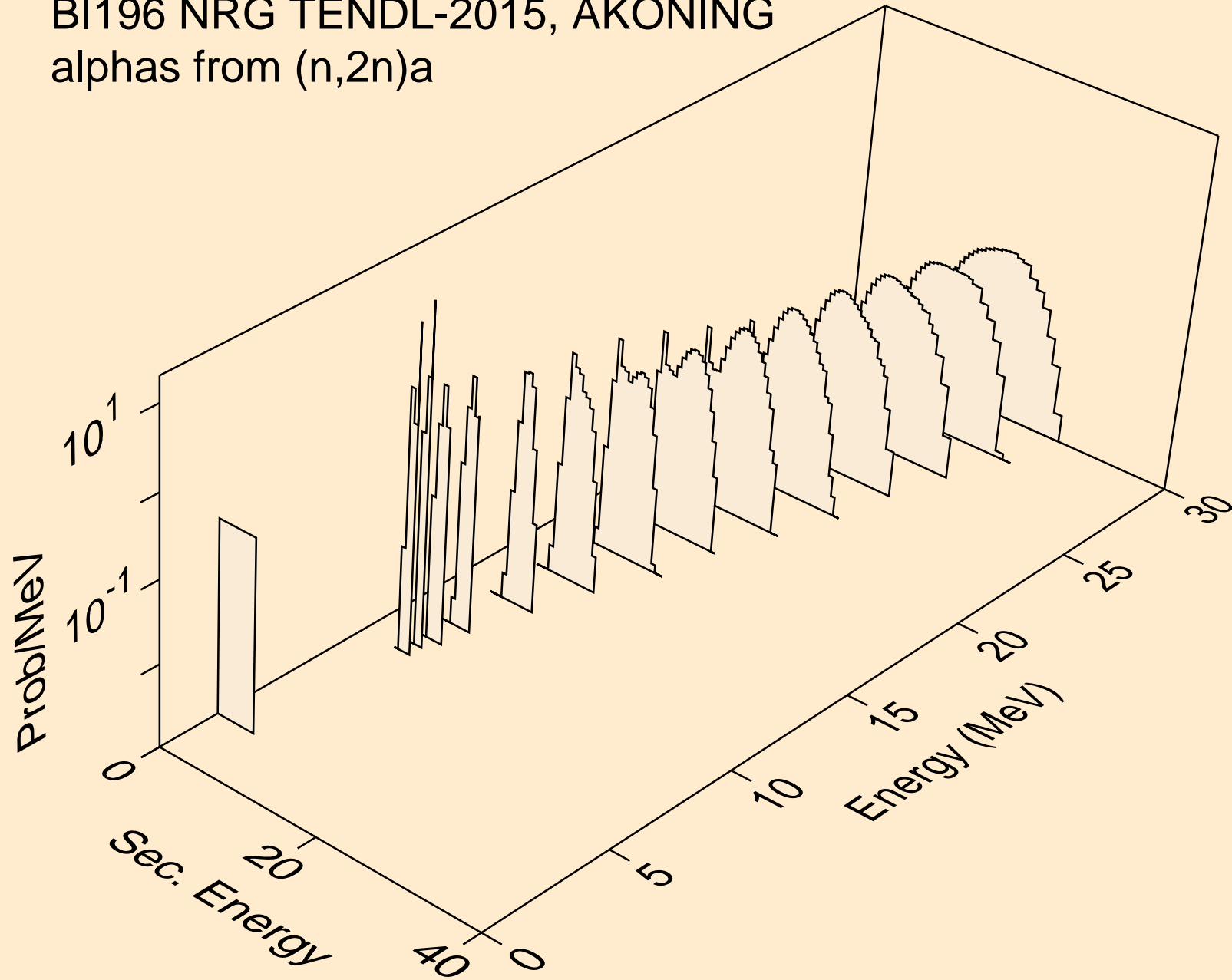
BI196 NRG TENDL-2015, AKONING  
alphas from (n,x)



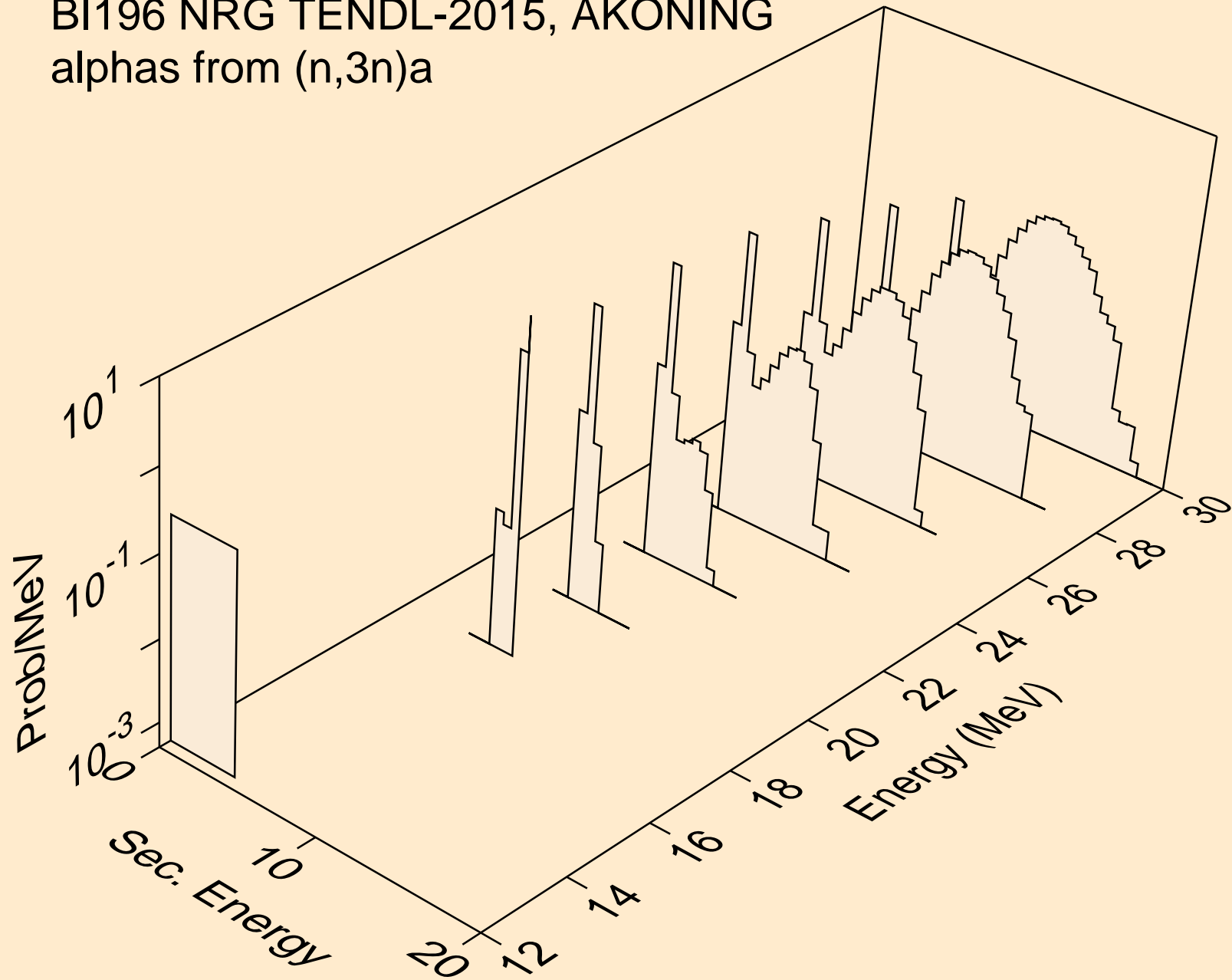
BI196 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



BI196 NRG TENDL-2015, AKONING  
alphas from (n,2n)a

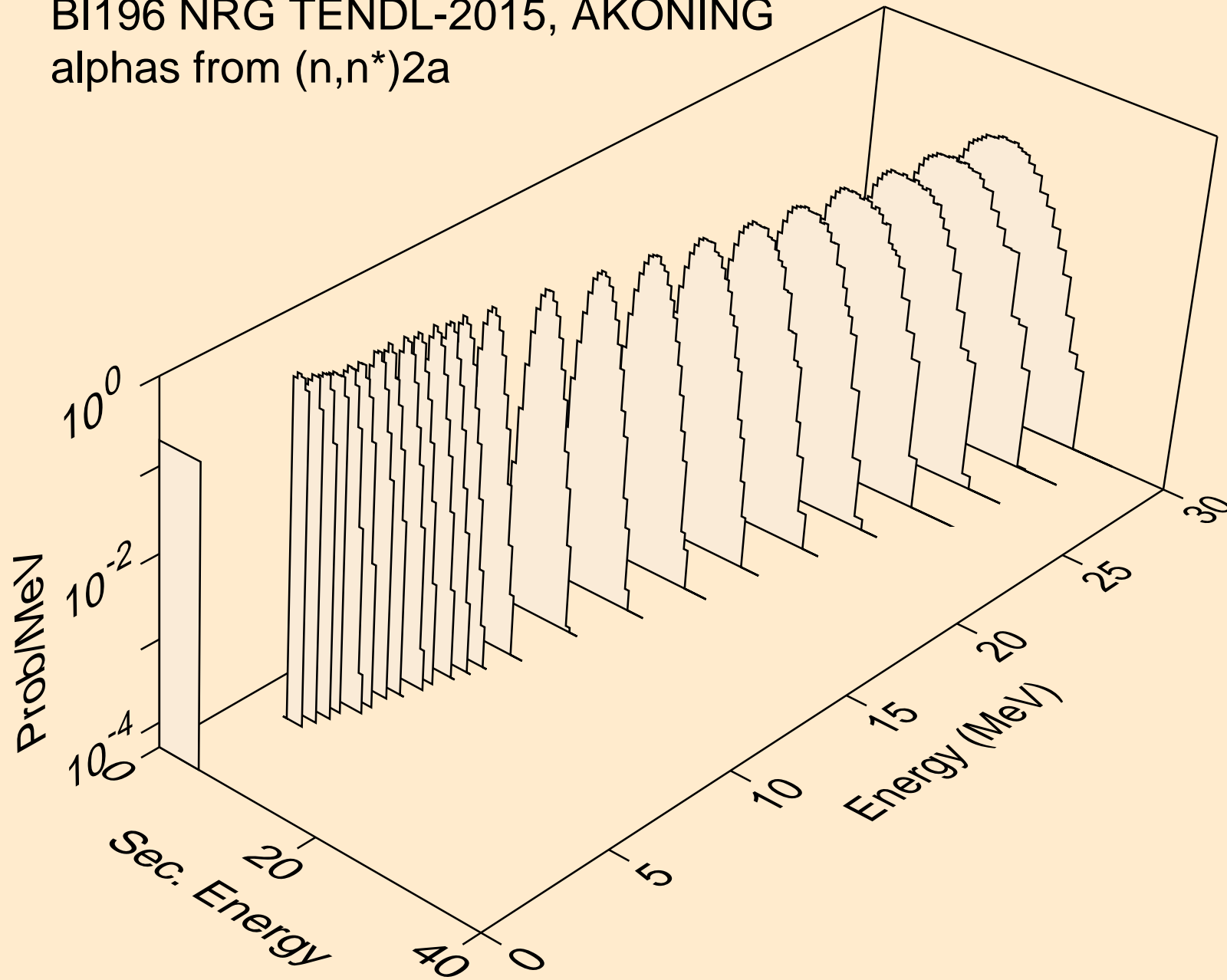


BI196 NRG TENDL-2015, AKONING  
alphas from (n,3n)a

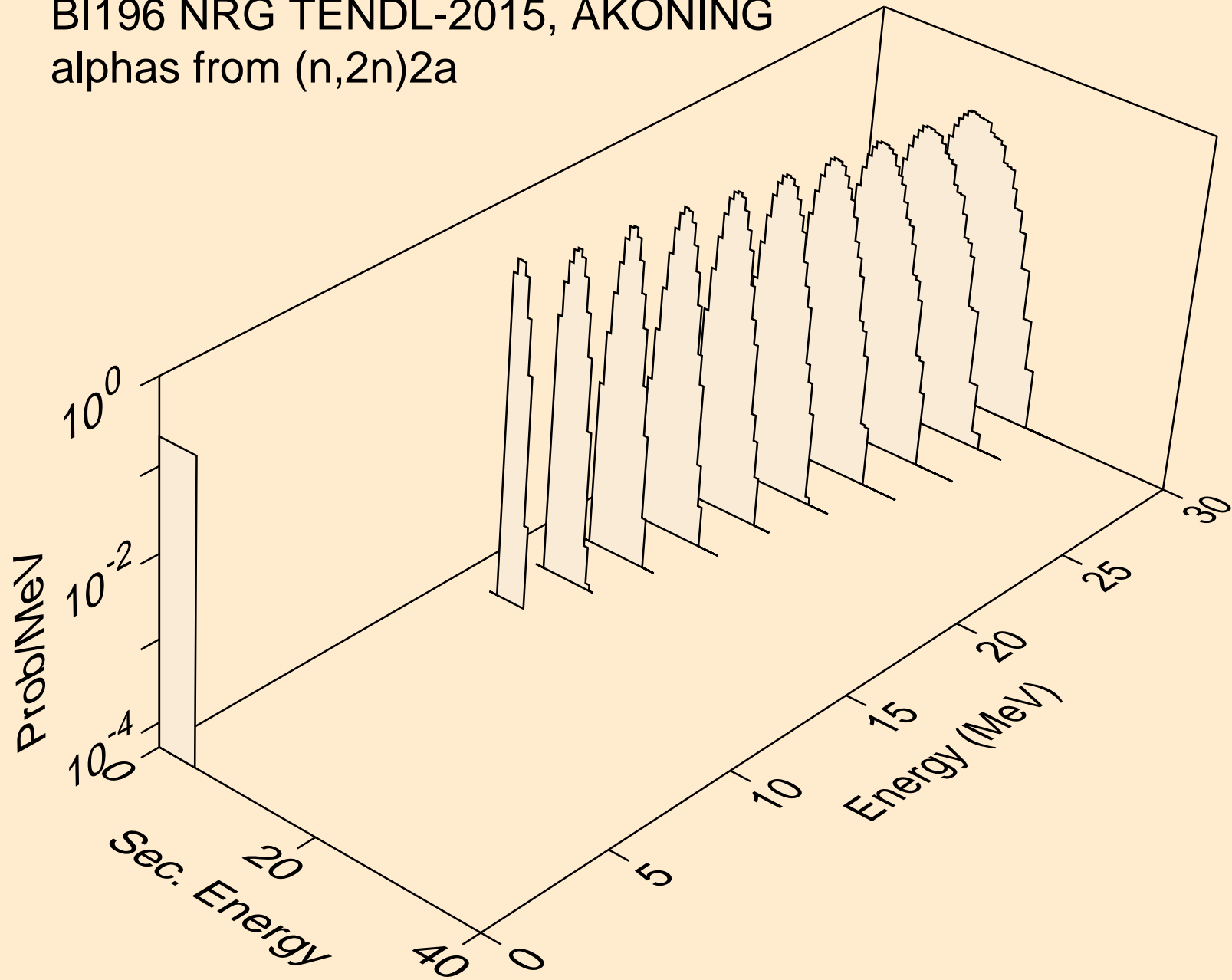




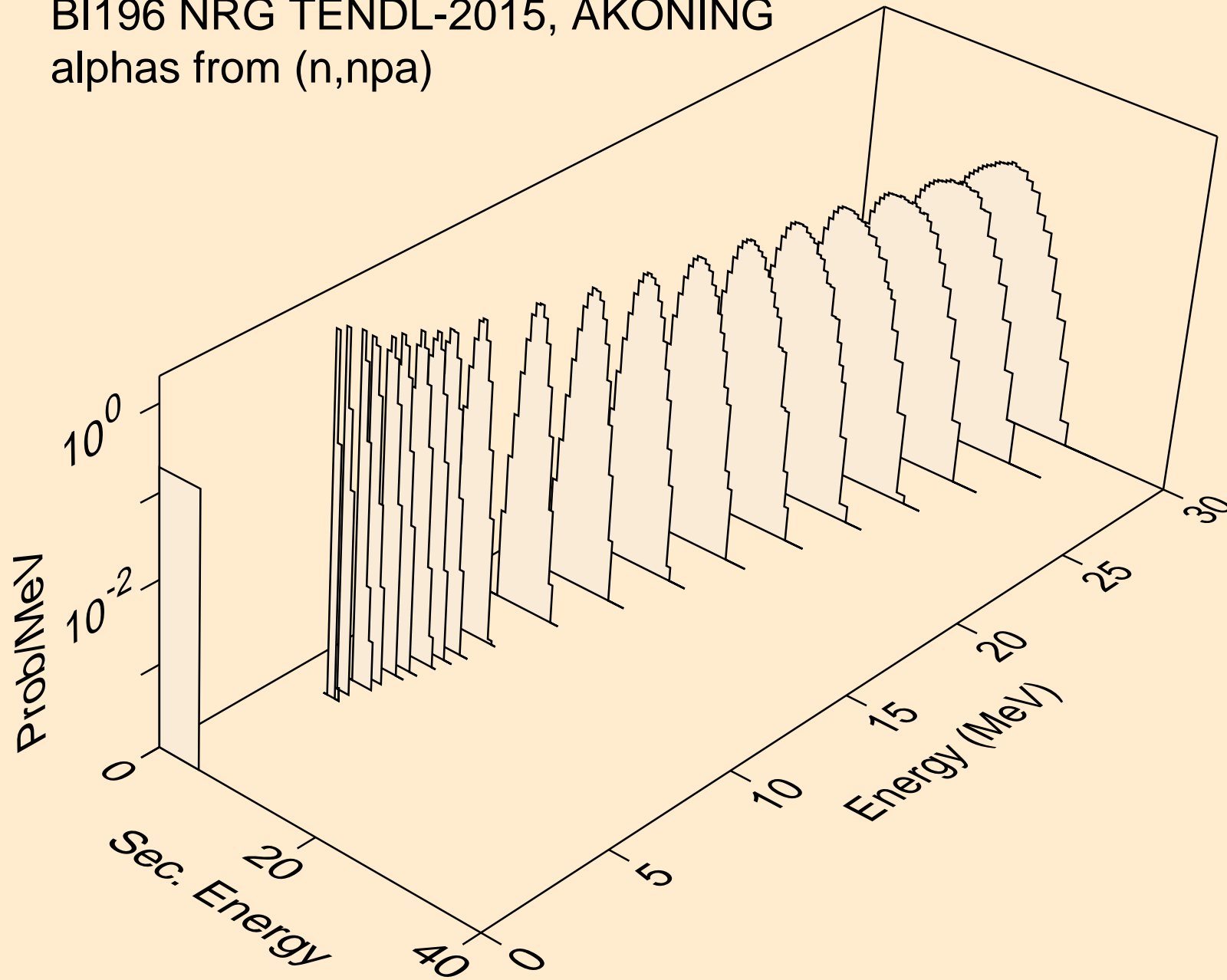
BI196 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



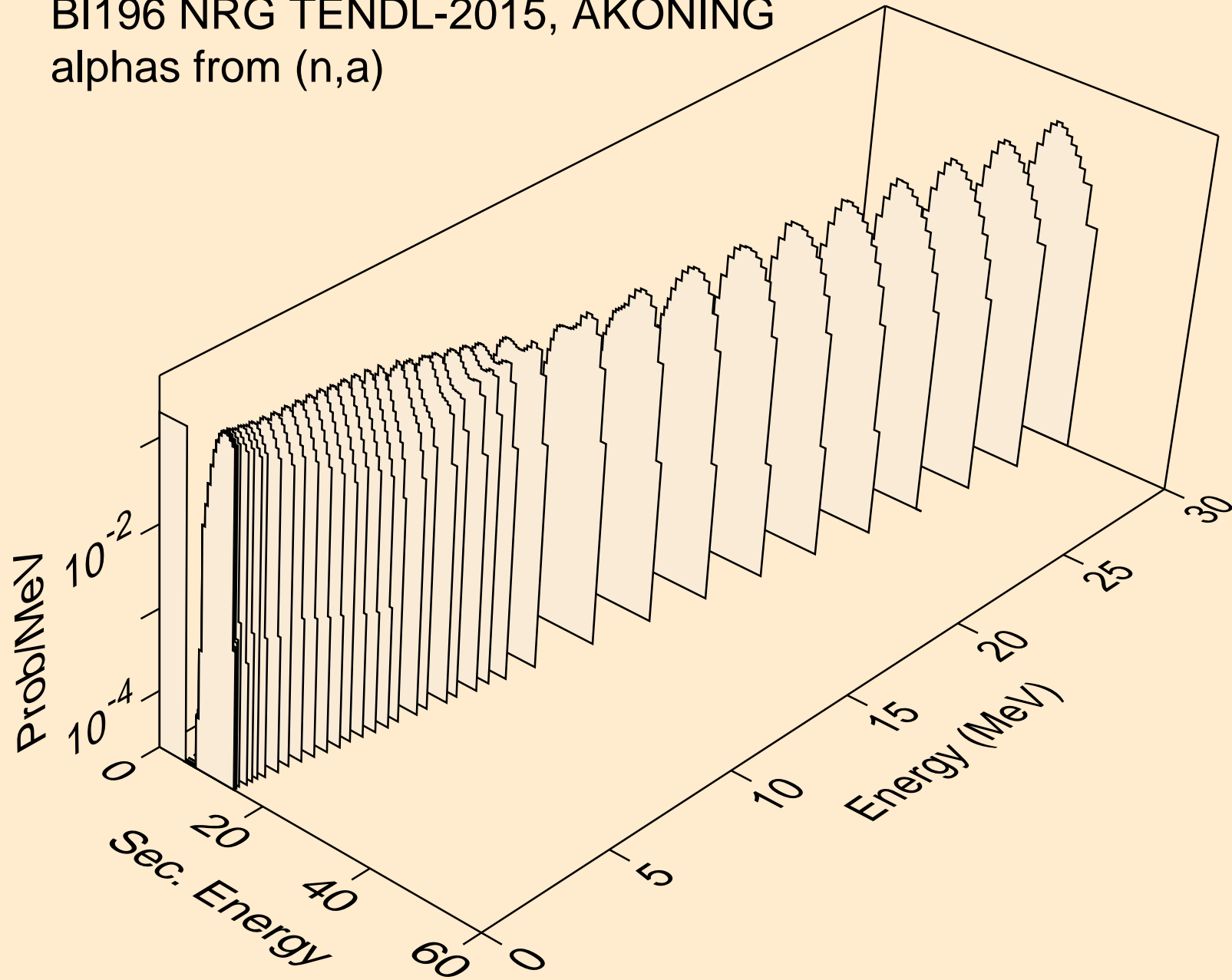
BI196 NRG TENDL-2015, AKONING  
alphas from (n,2n)2a



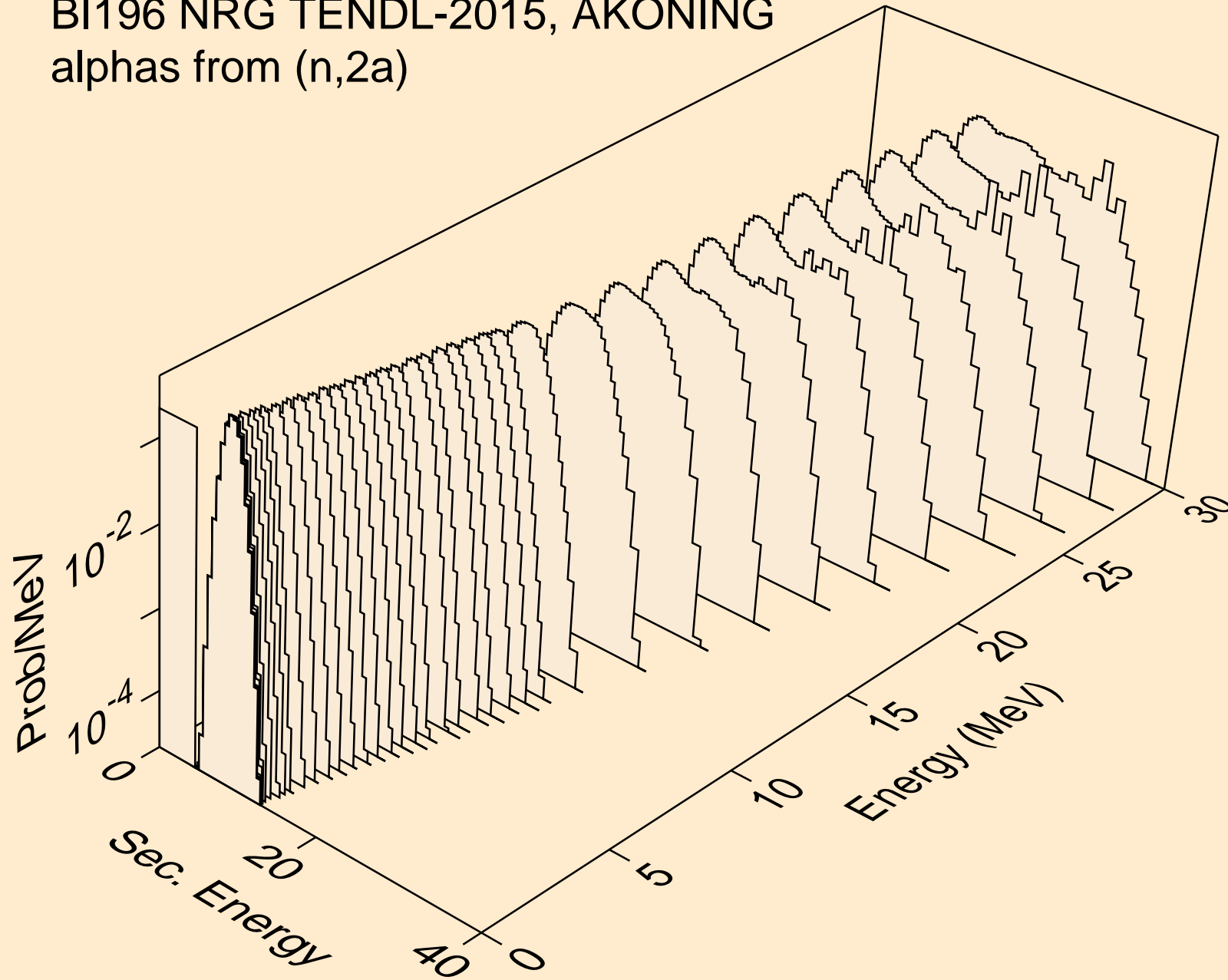
BI196 NRG TENDL-2015, AKONING  
alphas from (n,npa)



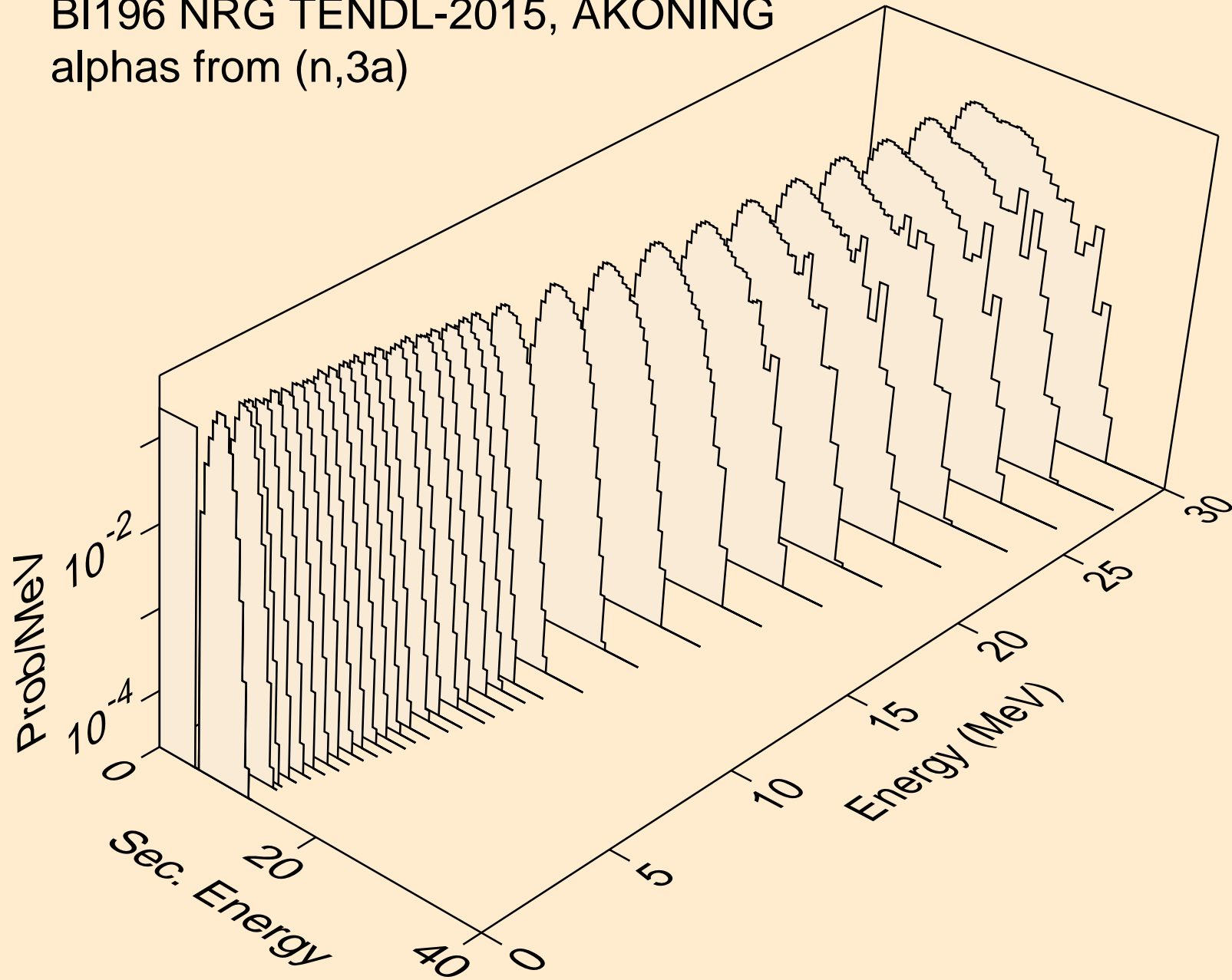
BI196 NRG TENDL-2015, AKONING  
alphas from (n,a)



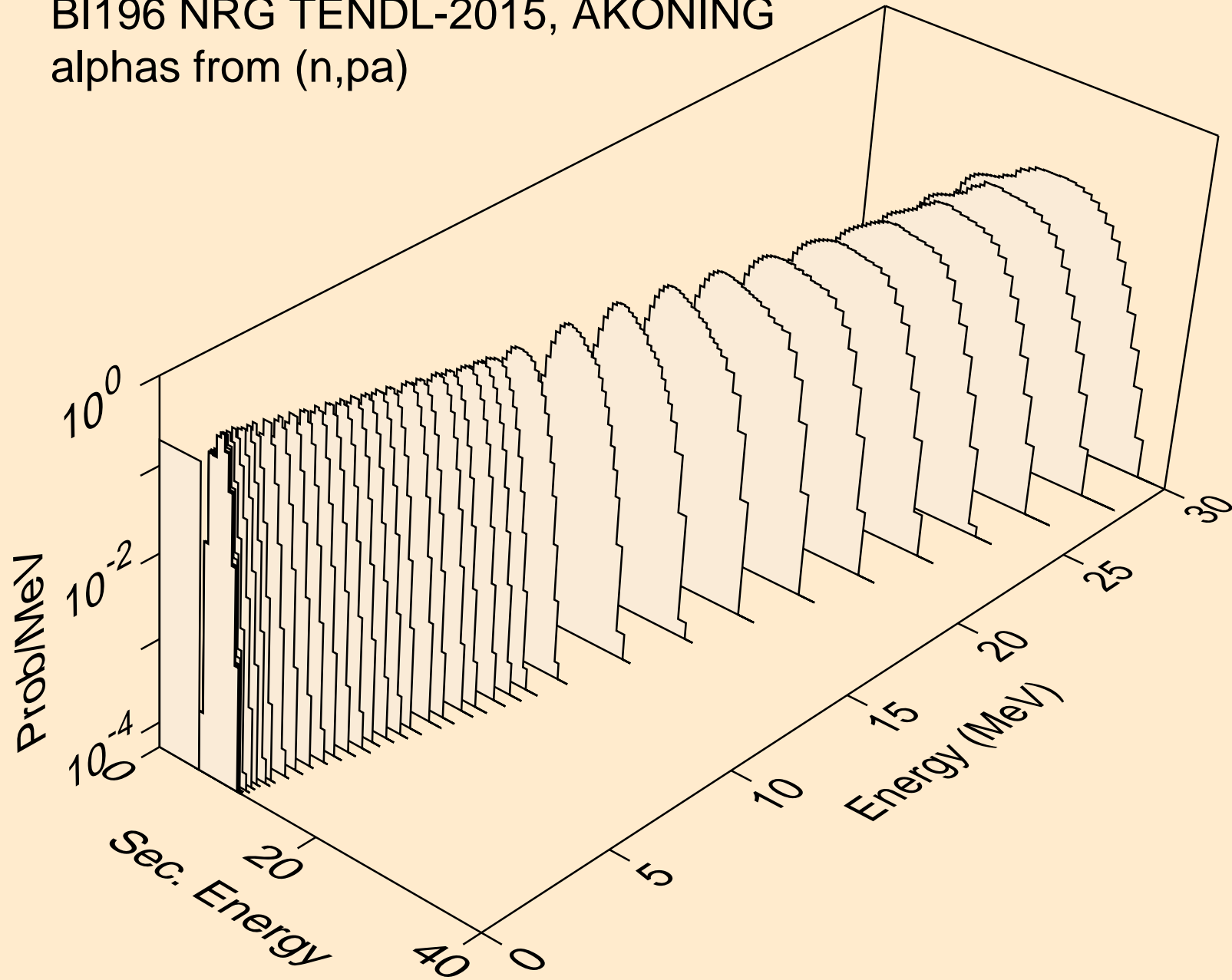
BI196 NRG TENDL-2015, AKONING  
alphas from (n,2a)



BI196 NRG TENDL-2015, AKONING  
alphas from (n,3a)



BI196 NRG TENDL-2015, AKONING  
alphas from (n,pa)



BI196 NRG TENDL-2015, AKONING  
alphas from (n,da)

