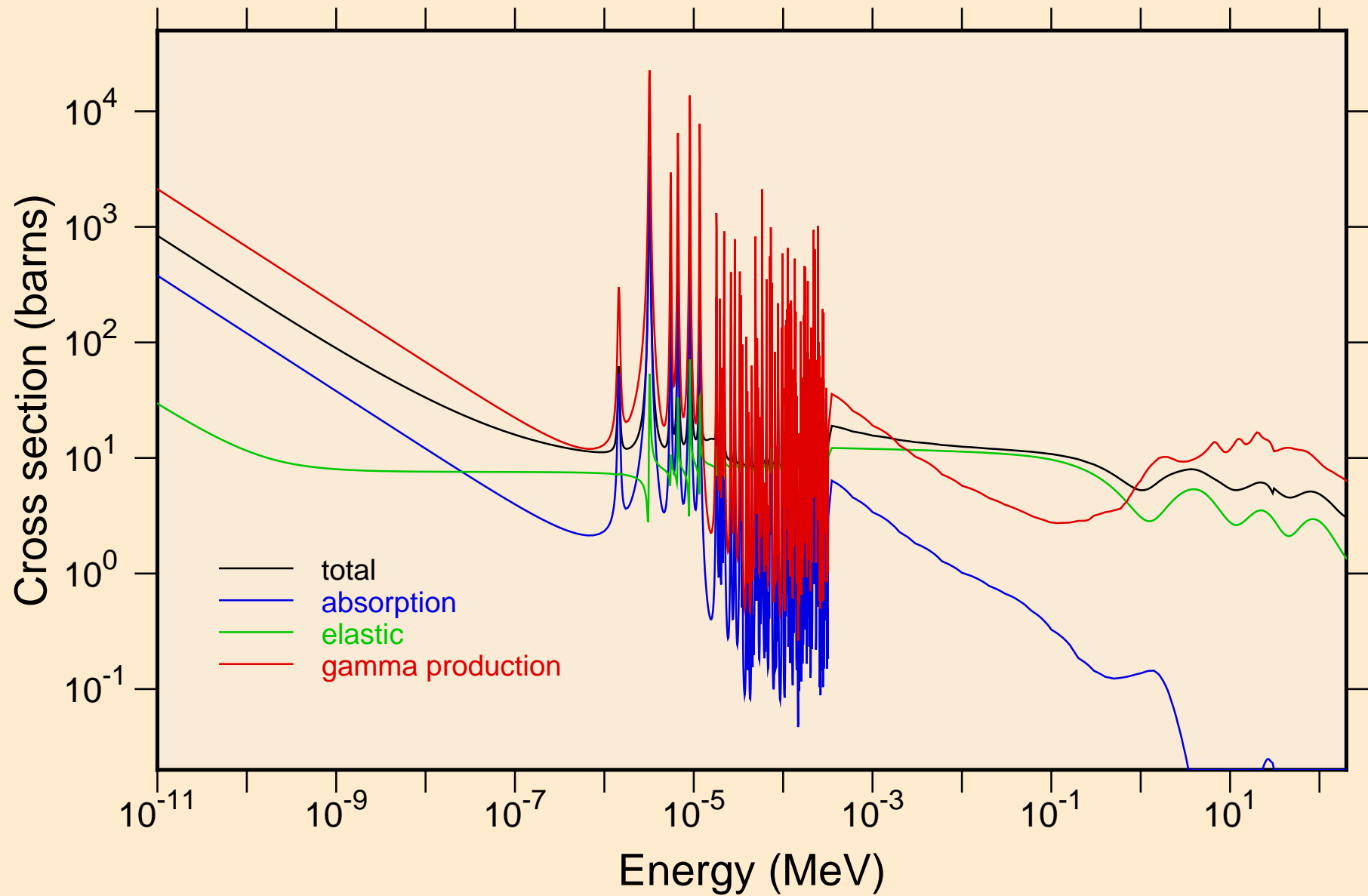
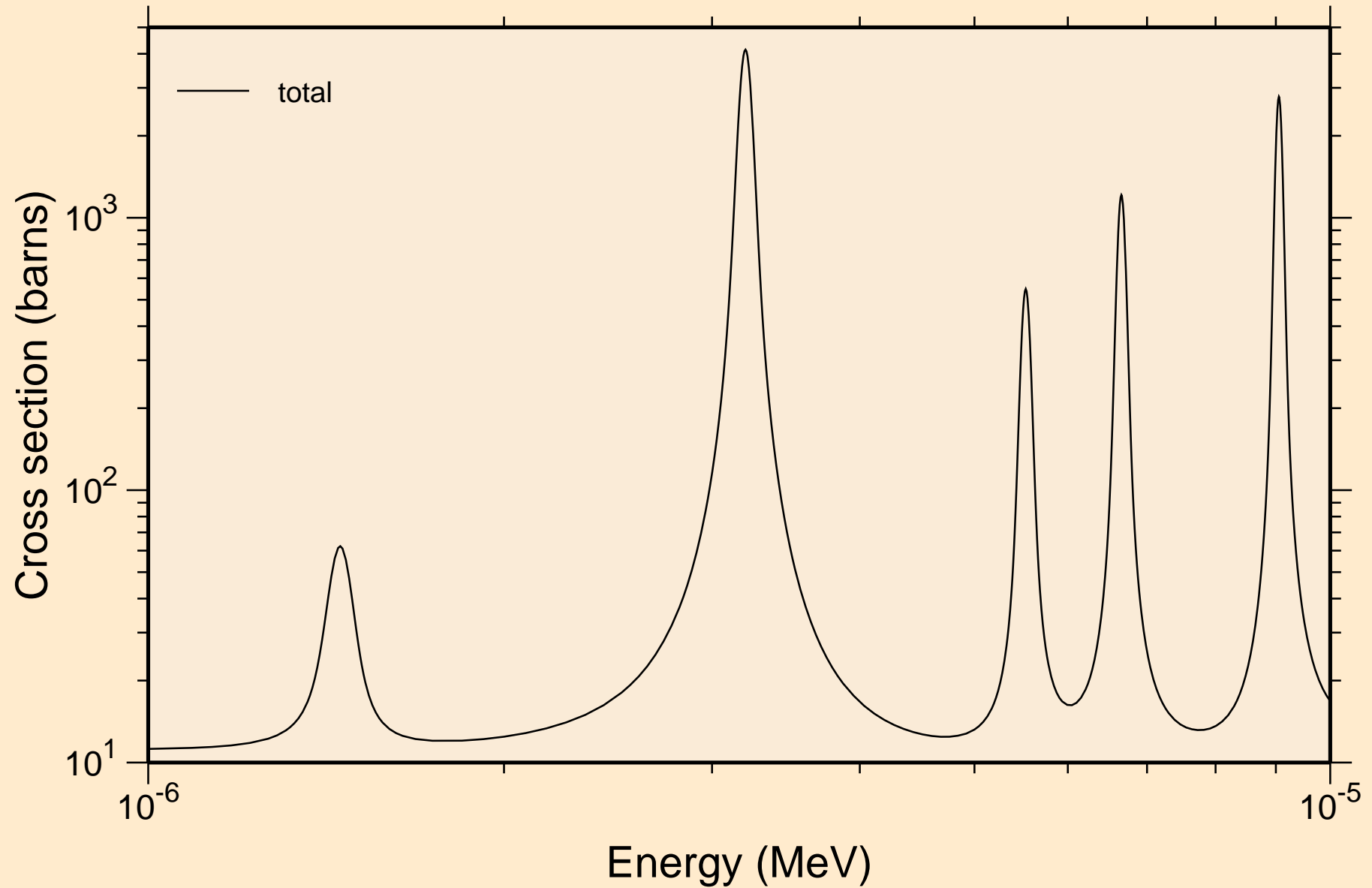


# AC231 NRG TENDL-2015, AKONING

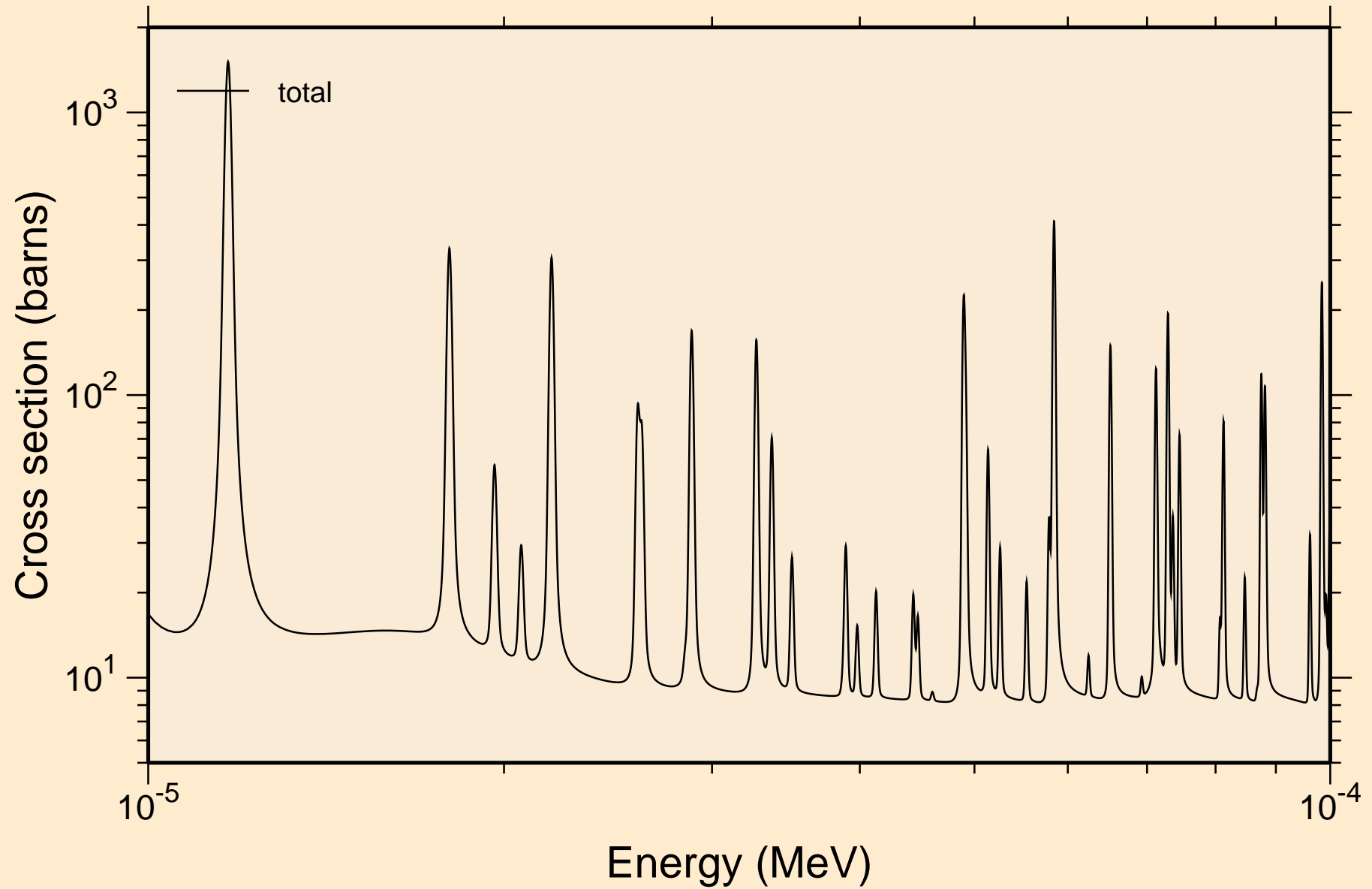
## Principal cross sections



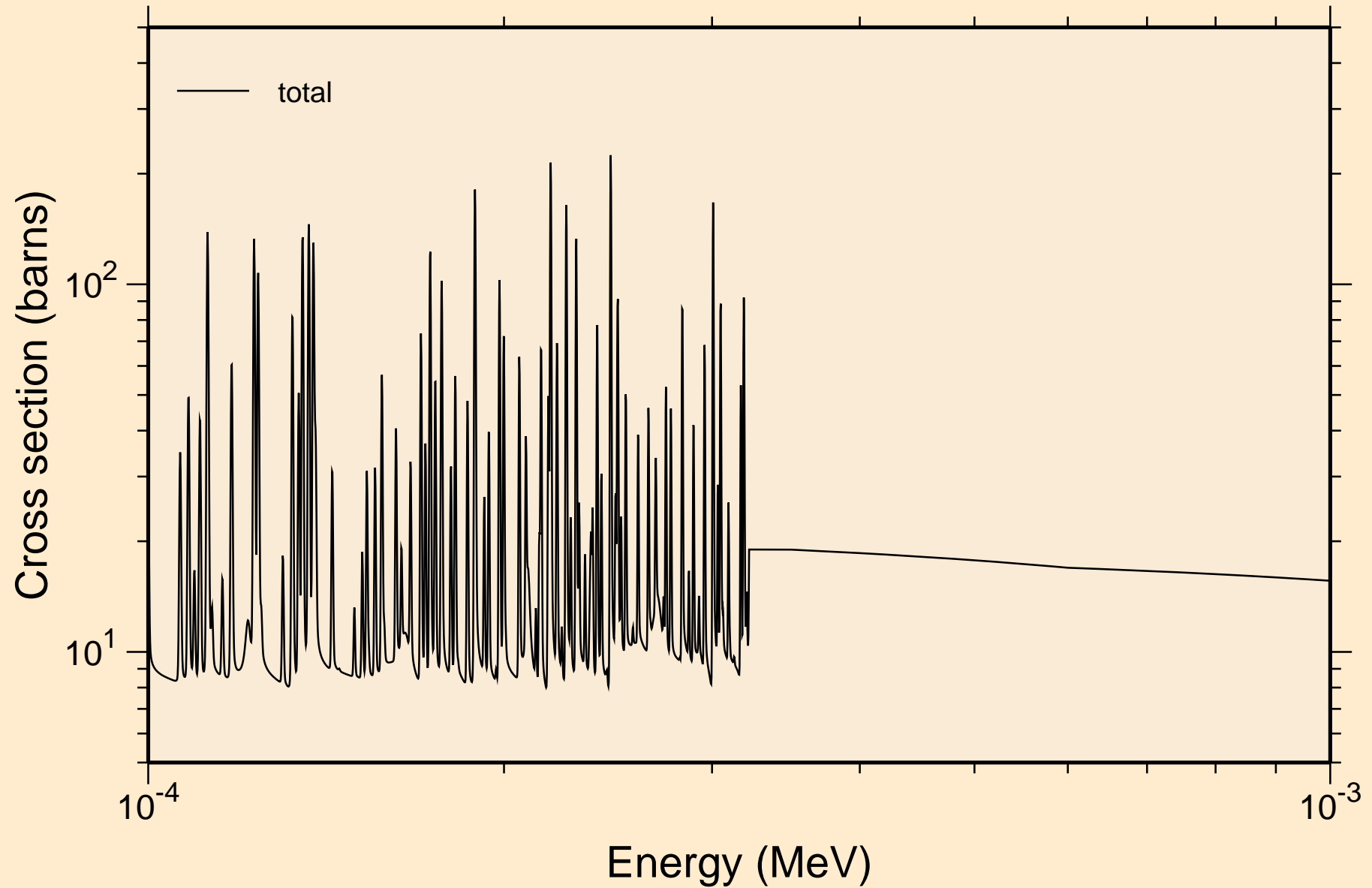
AC231 NRG TENDL-2015, AKONING  
resonance total cross section



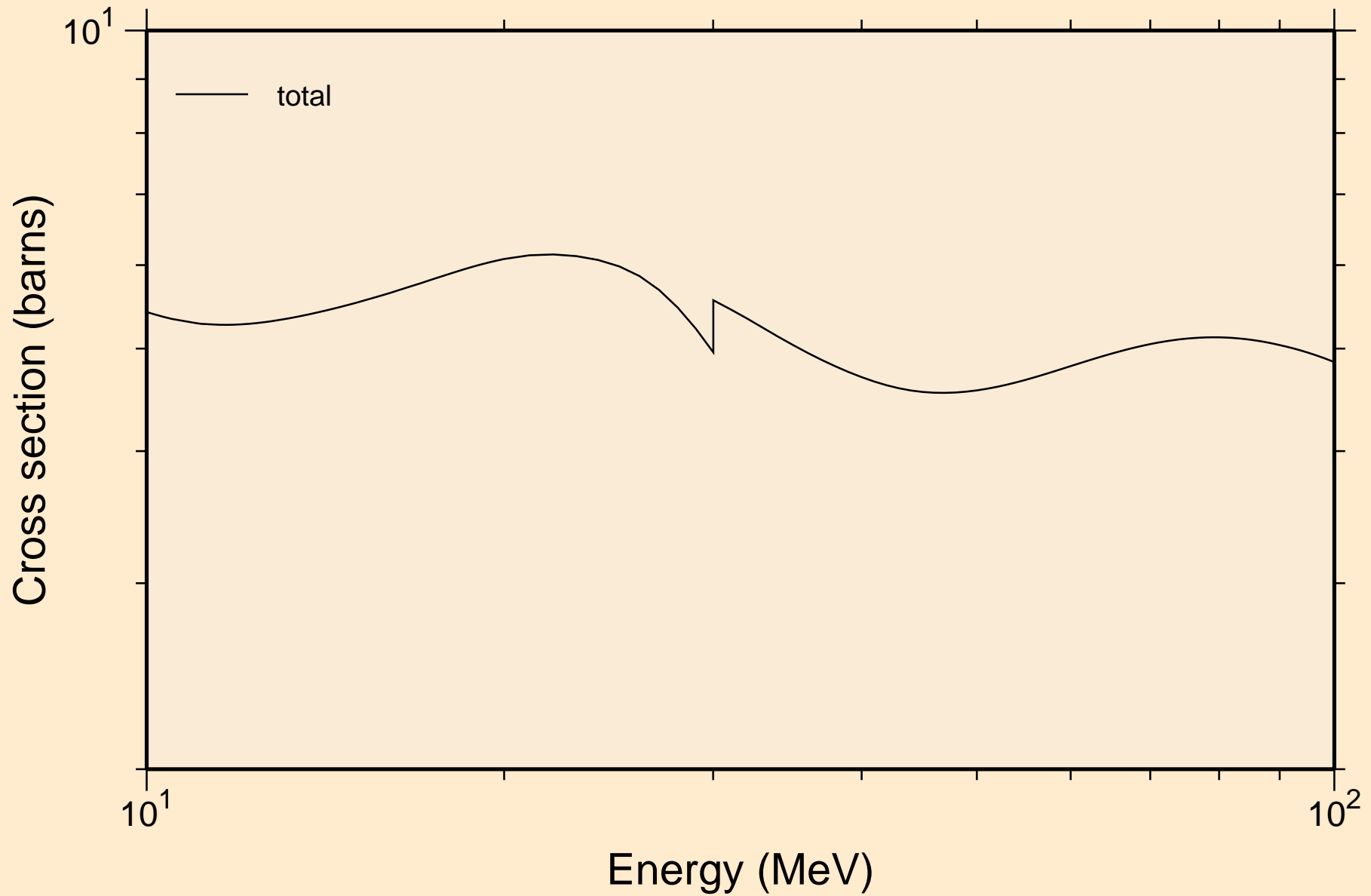
AC231 NRG TENDL-2015, AKONING  
resonance total cross section



AC231 NRG TENDL-2015, AKONING  
resonance total cross section

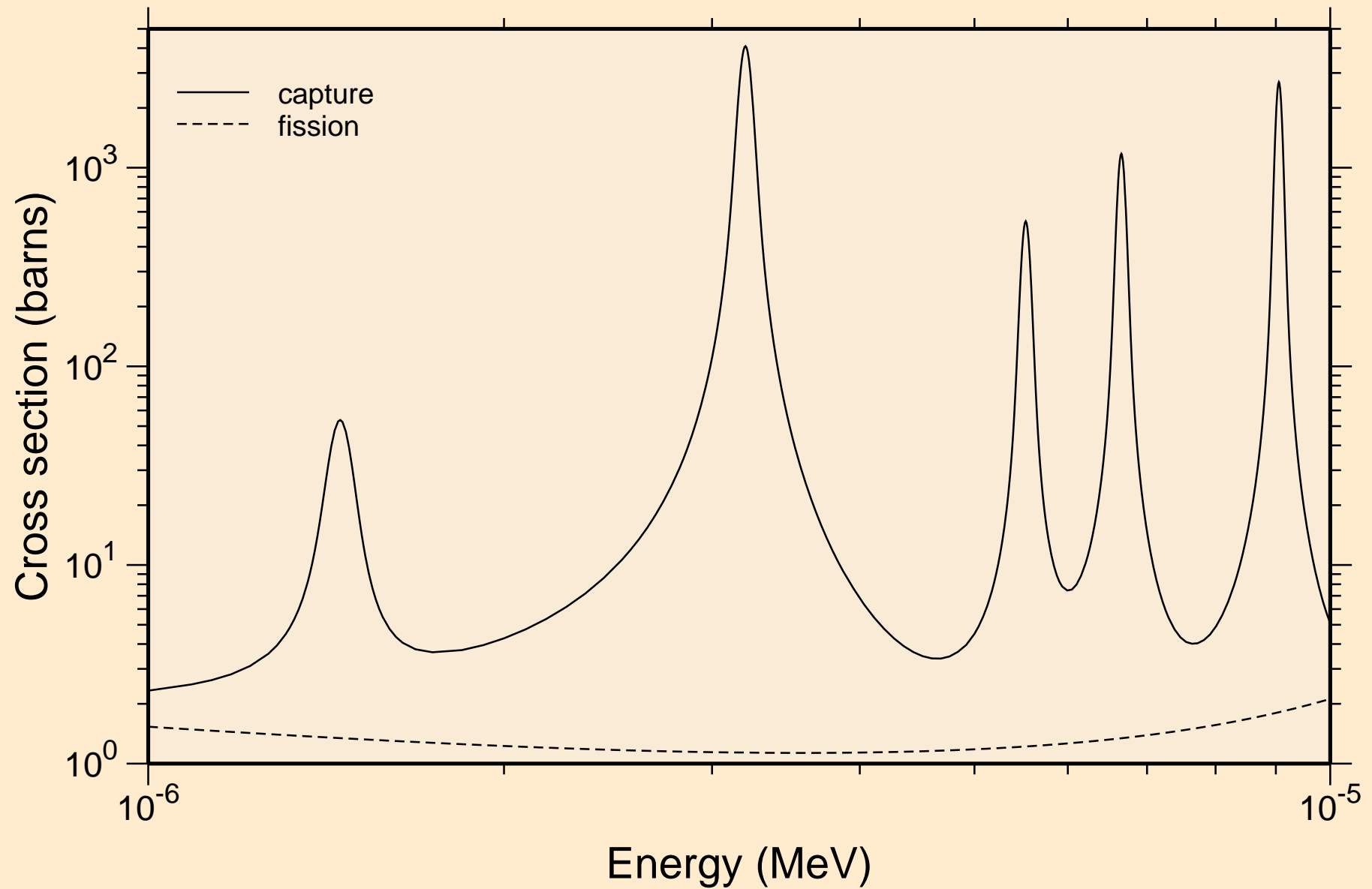


AC231 NRG TENDL-2015, AKONING  
resonance total cross section



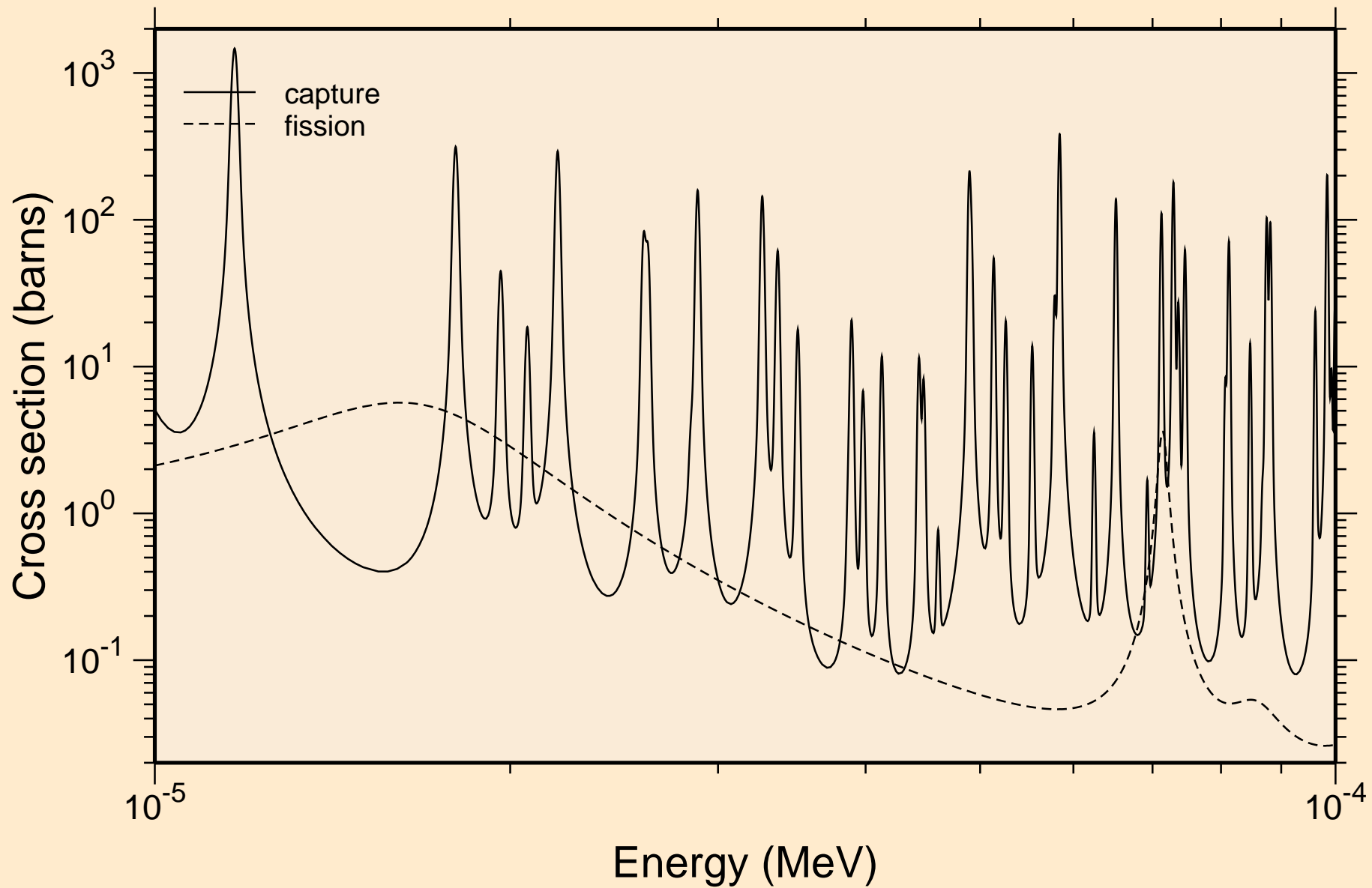
# AC231 NRG TENDL-2015, AKONING

## resonance absorption cross sections



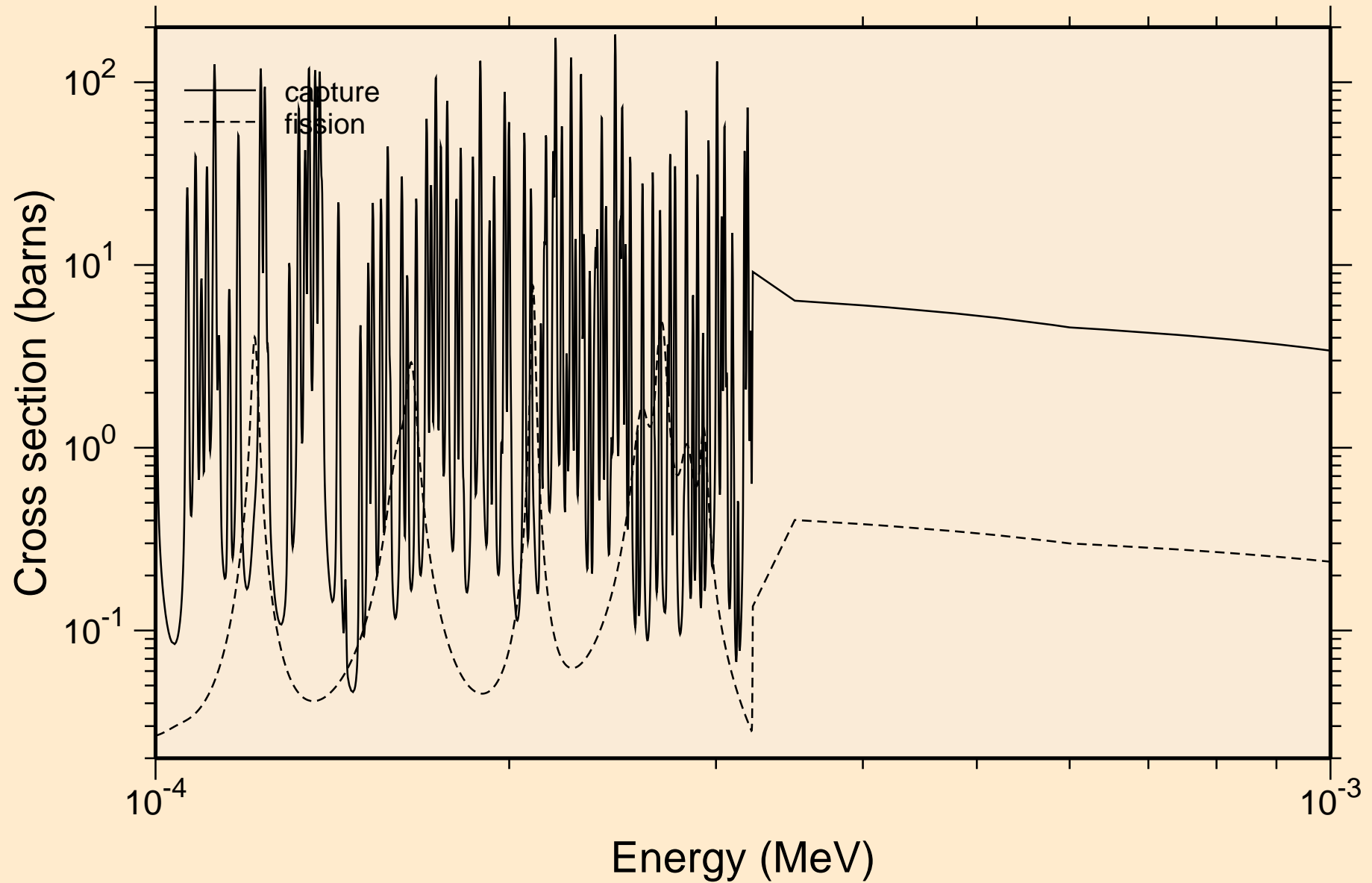
# AC231 NRG TENDL-2015, AKONING

## resonance absorption cross sections



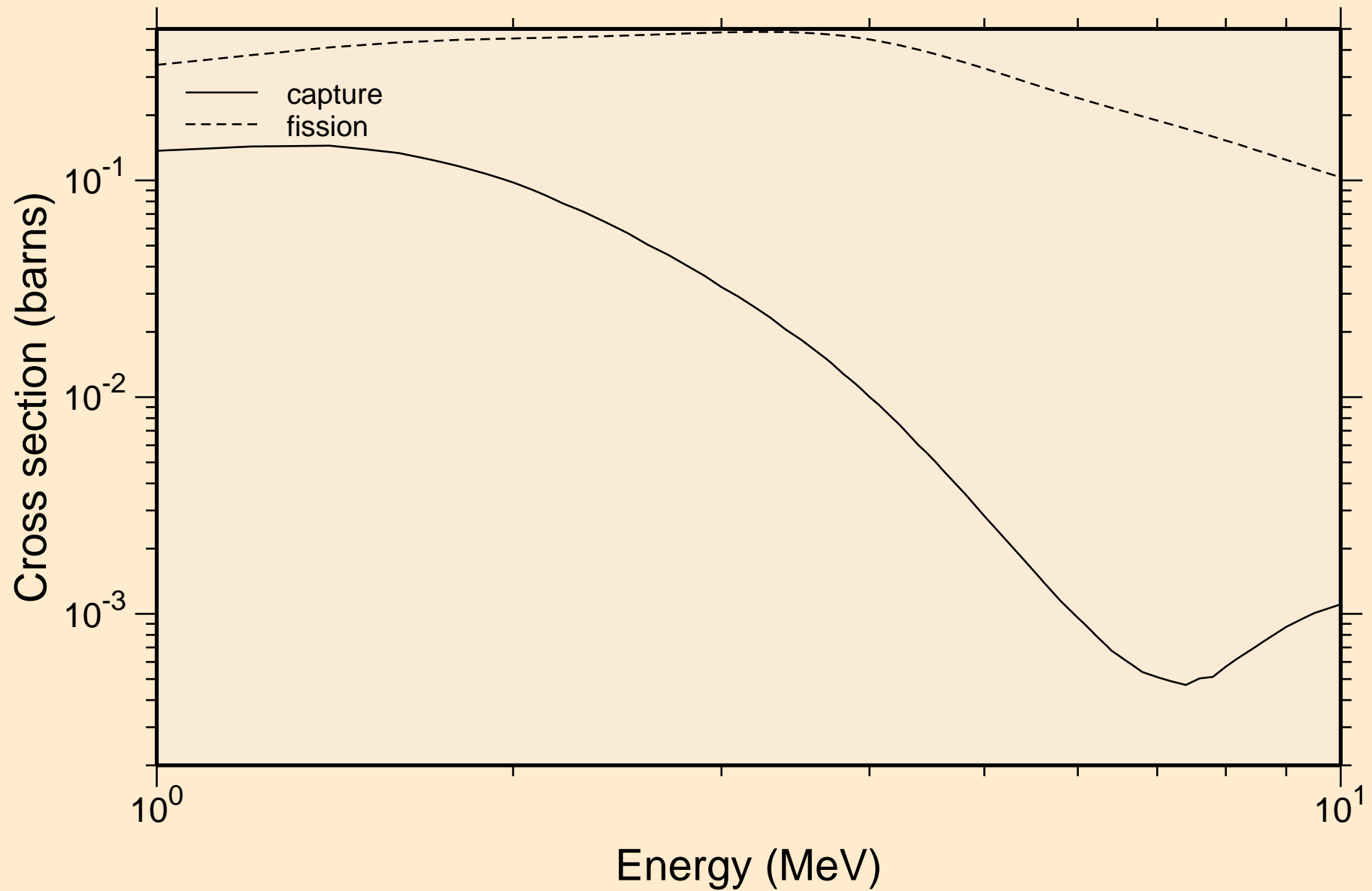
# AC231 NRG TENDL-2015, AKONING

## resonance absorption cross sections



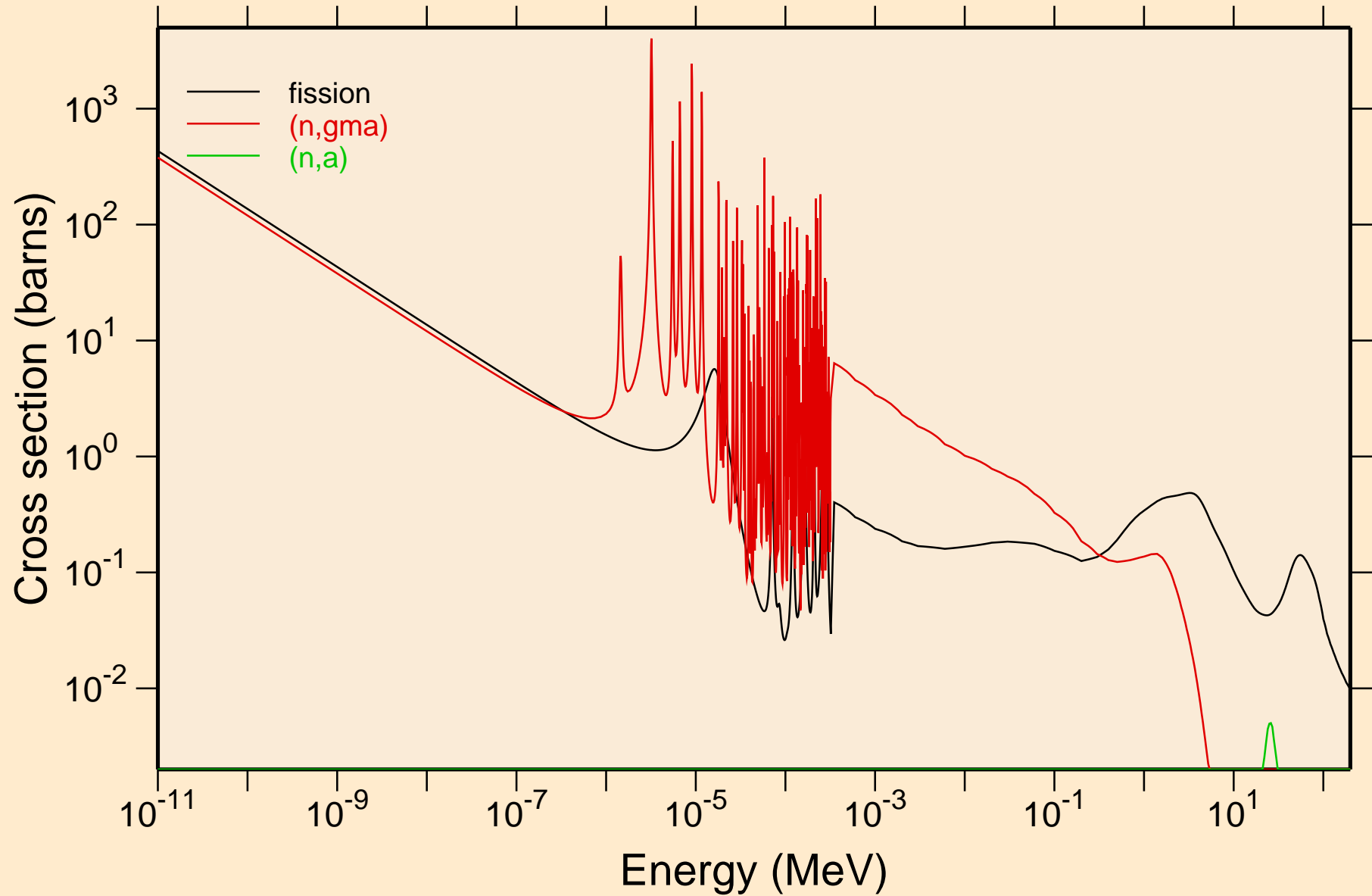


AC231 NRG TENDL-2015, AKONING  
resonance absorption cross sections



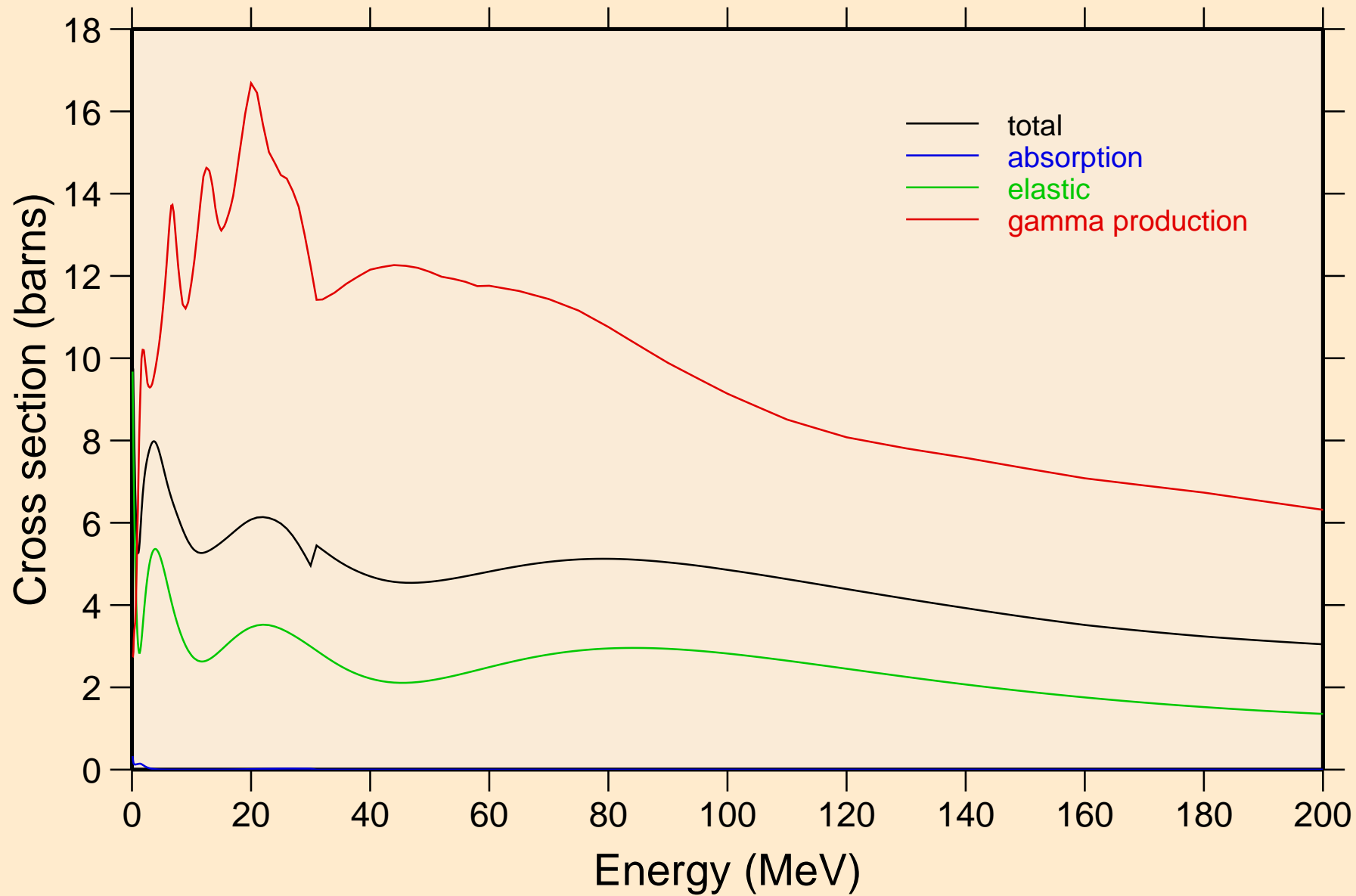
# AC231 NRG TENDL-2015, AKONING

## Non-threshold reactions



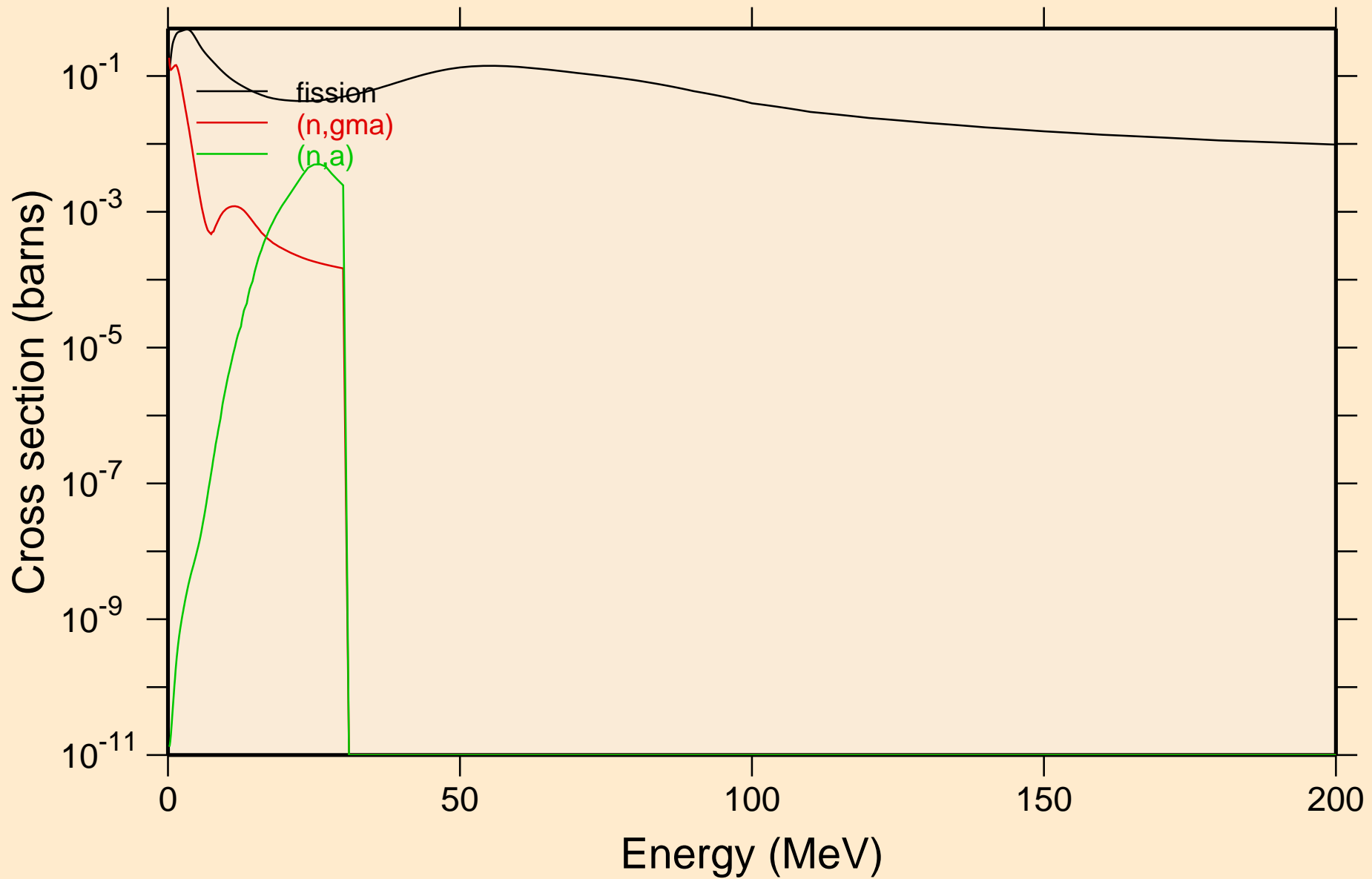
# AC231 NRG TENDL-2015, AKONING

## Principal cross sections



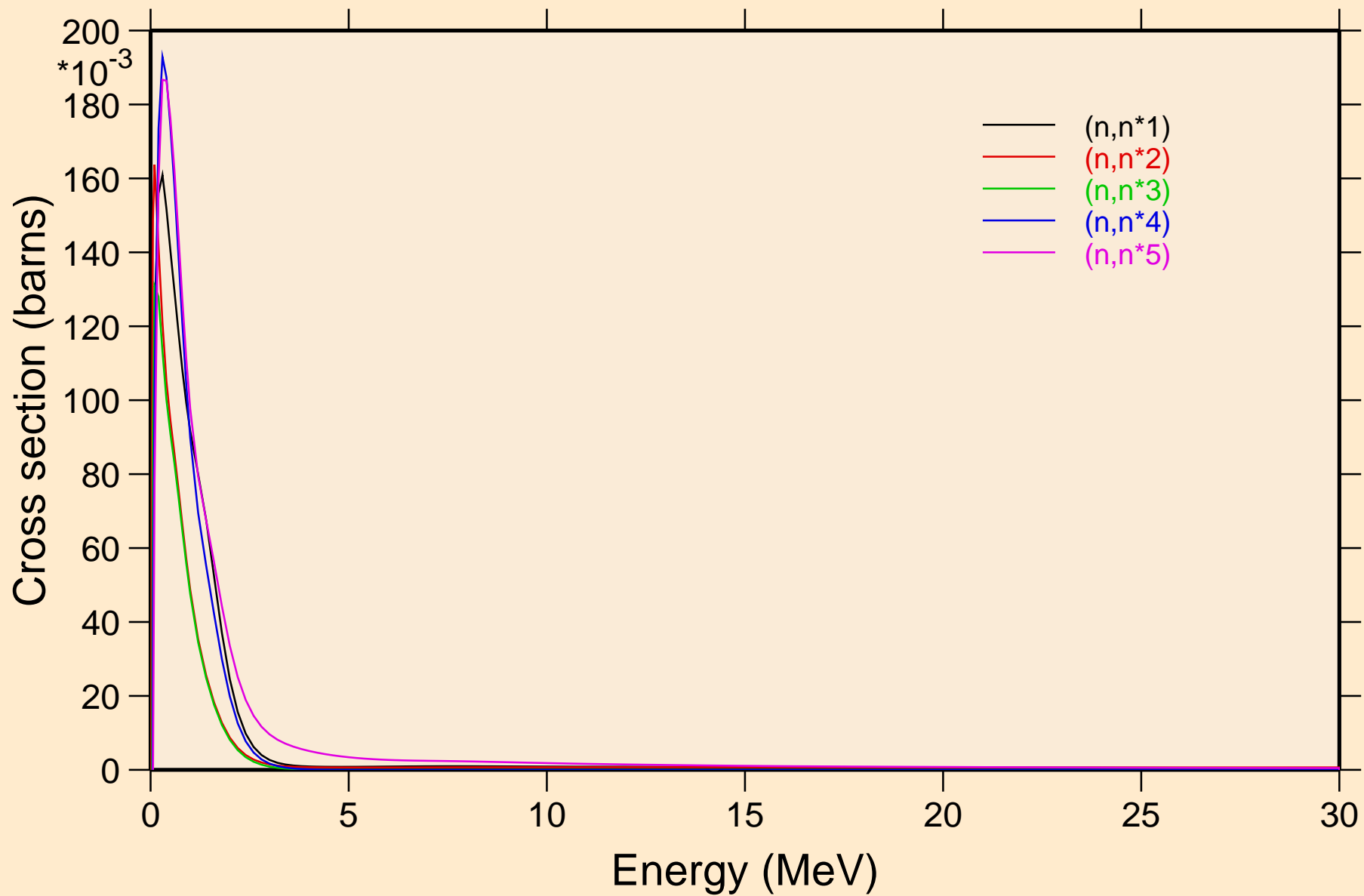
# AC231 NRG TENDL-2015, AKONING

## Non-threshold reactions



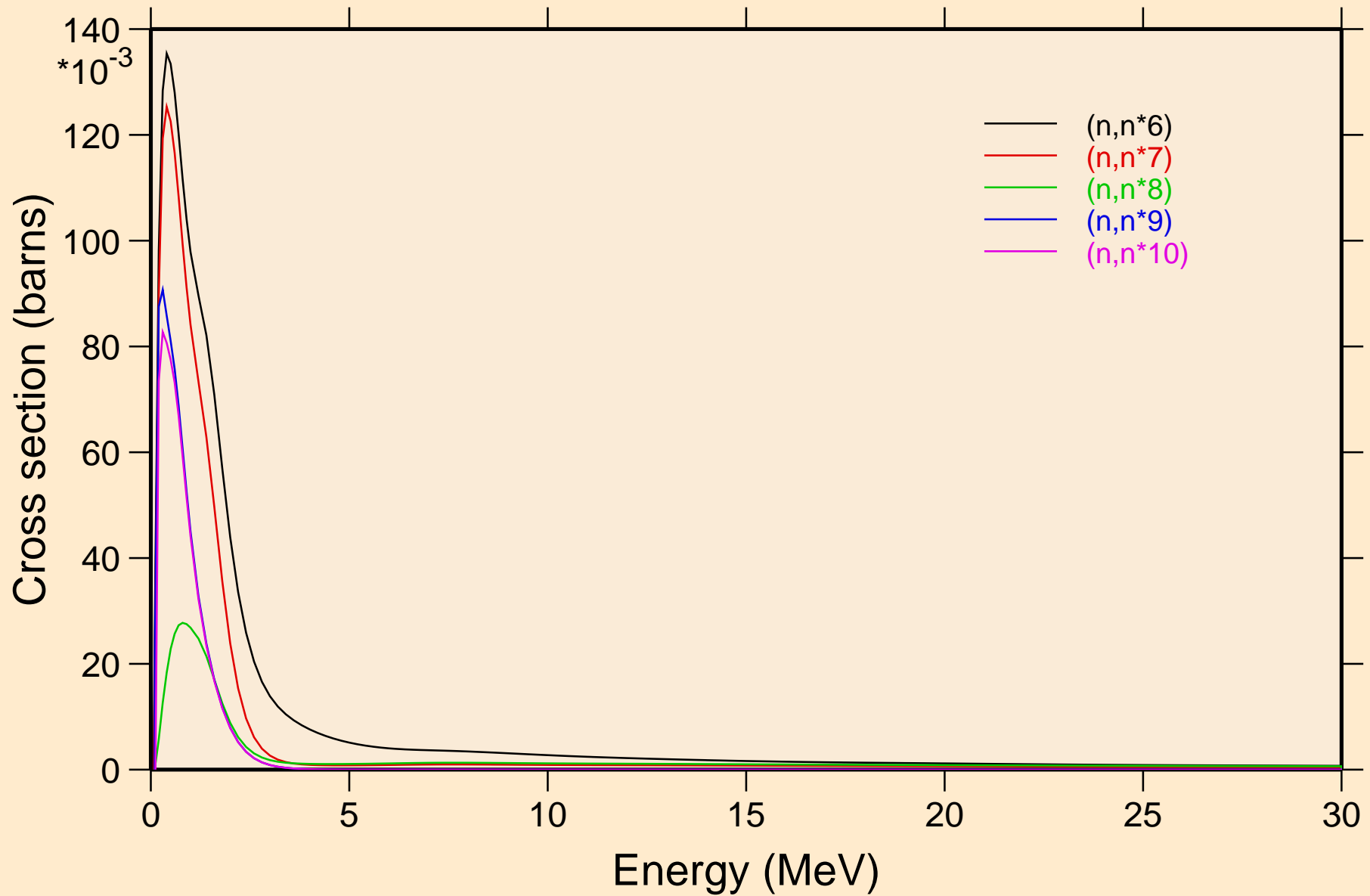
# AC231 NRG TENDL-2015, AKONING

## Inelastic levels



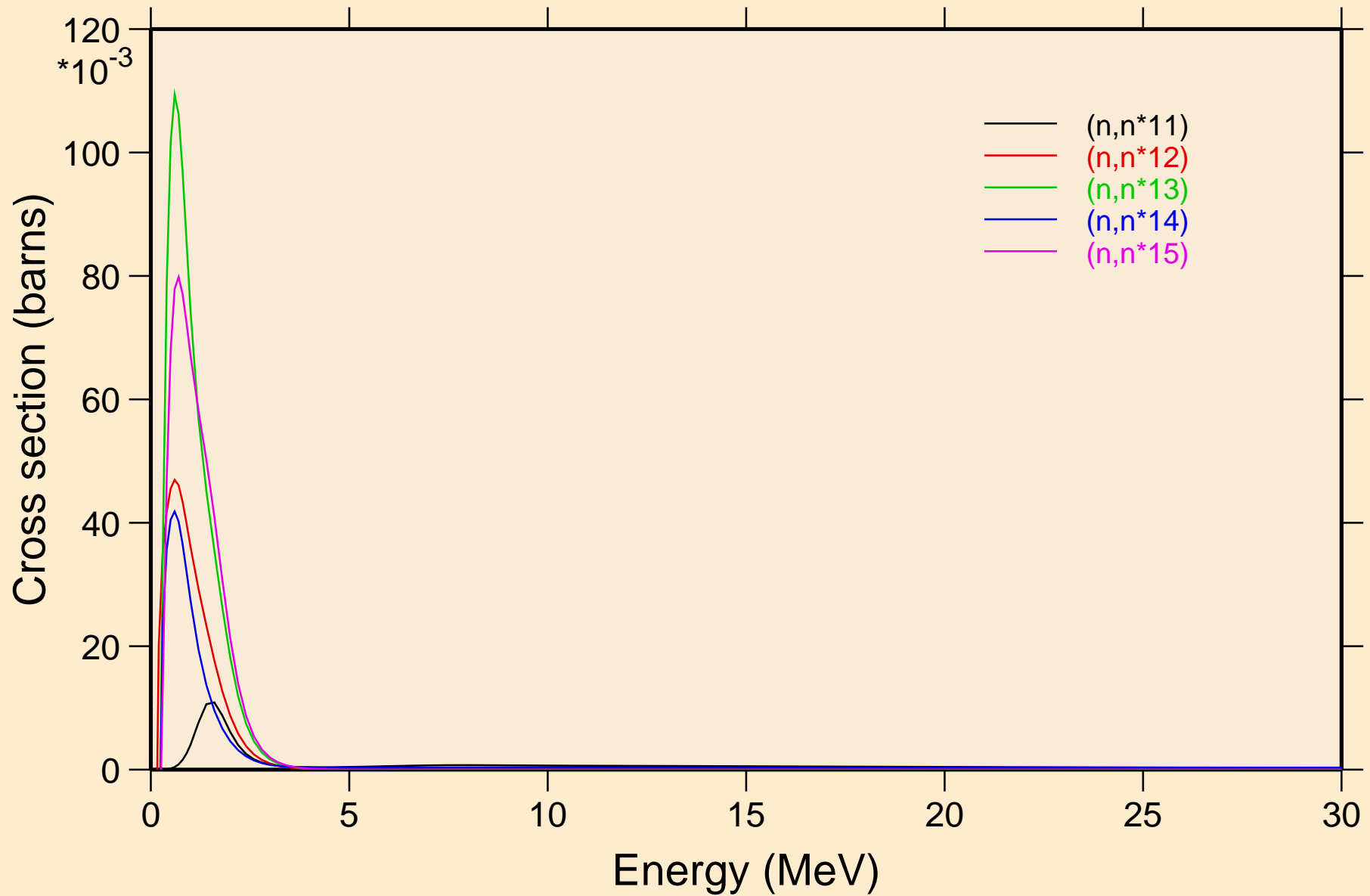
# AC231 NRG TENDL-2015, AKONING

## Inelastic levels



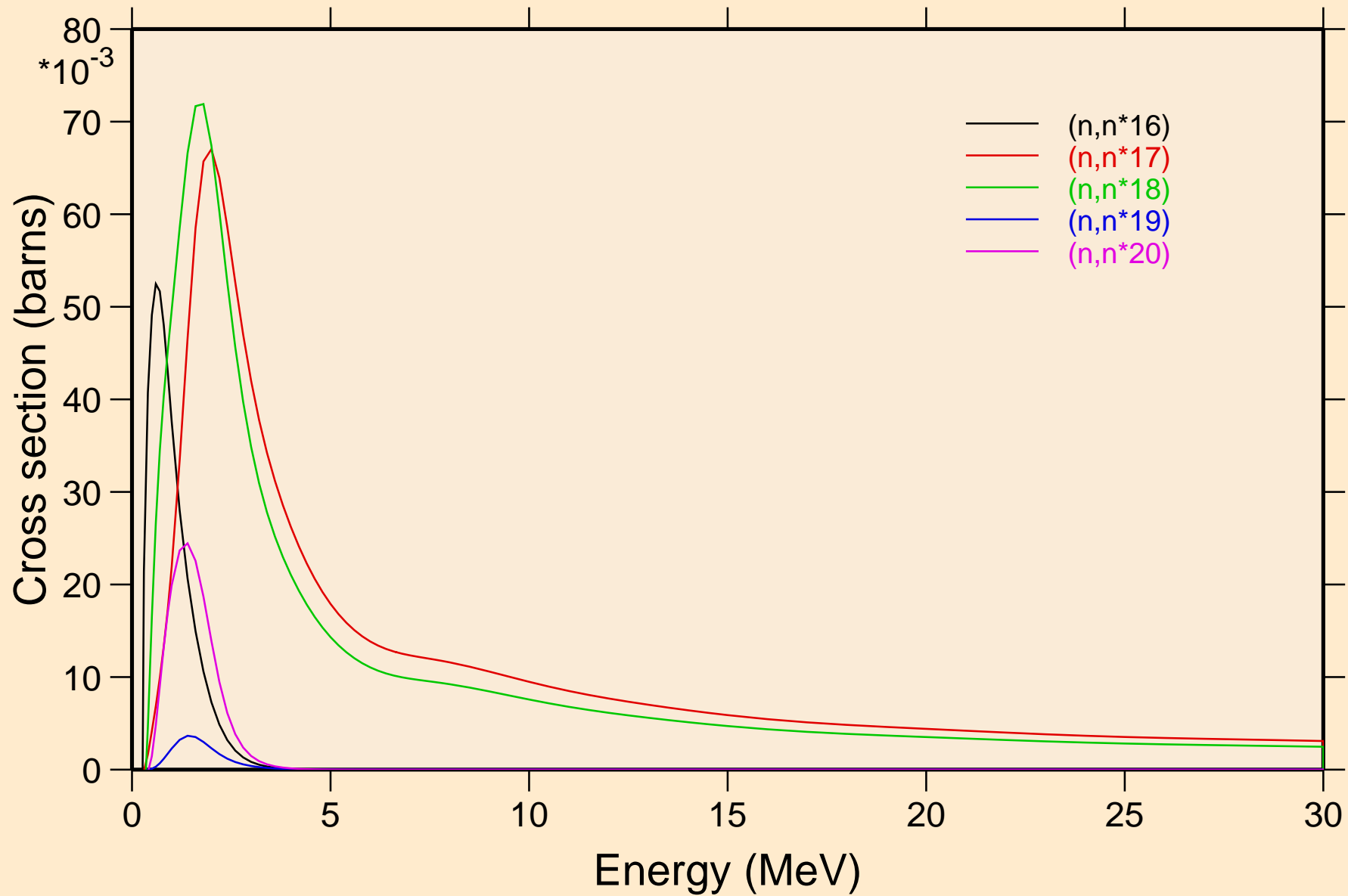
# AC231 NRG TENDL-2015, AKONING

## Inelastic levels



# AC231 NRG TENDL-2015, AKONING

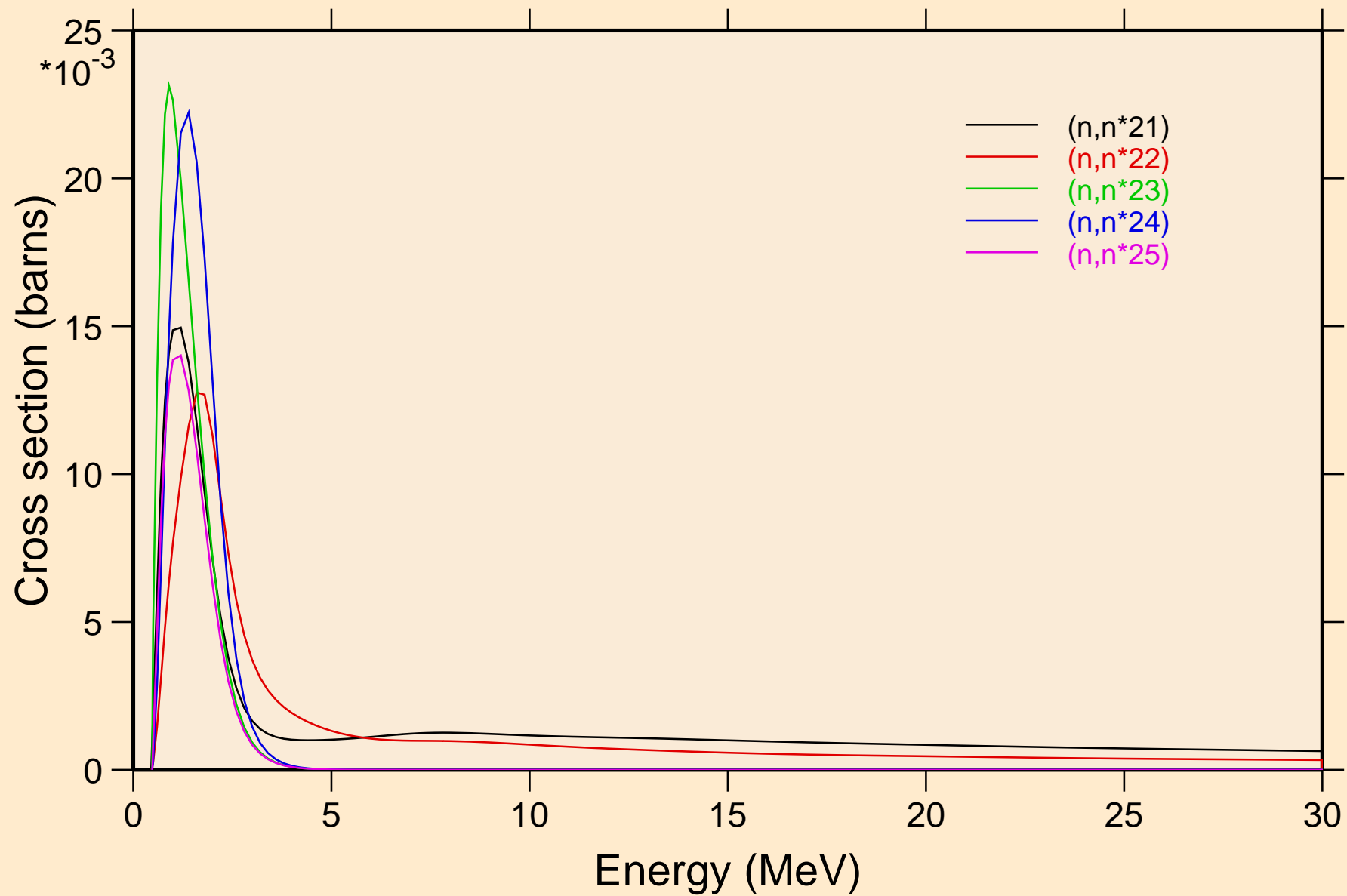
## Inelastic levels





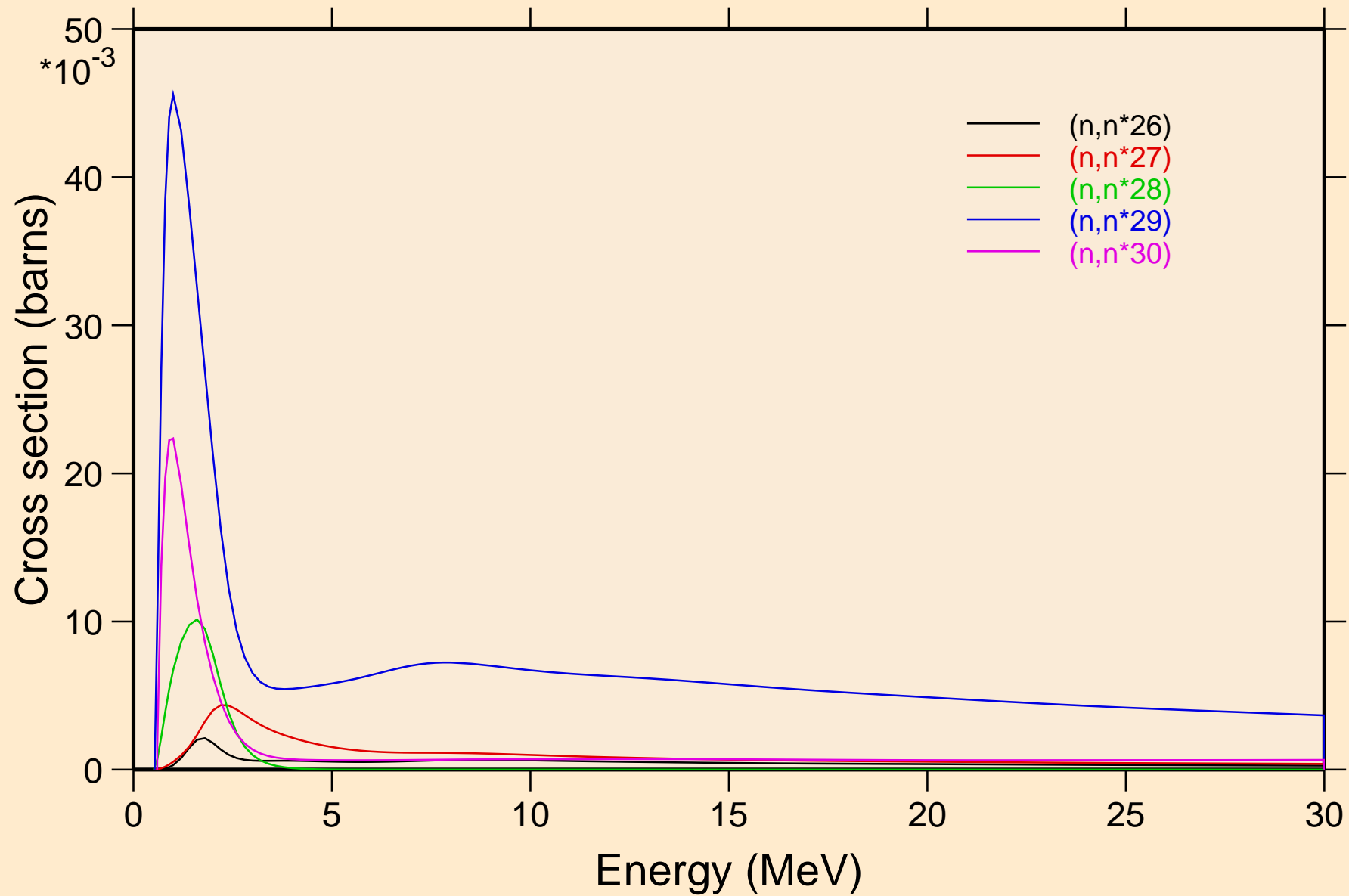
# AC231 NRG TENDL-2015, AKONING

## Inelastic levels



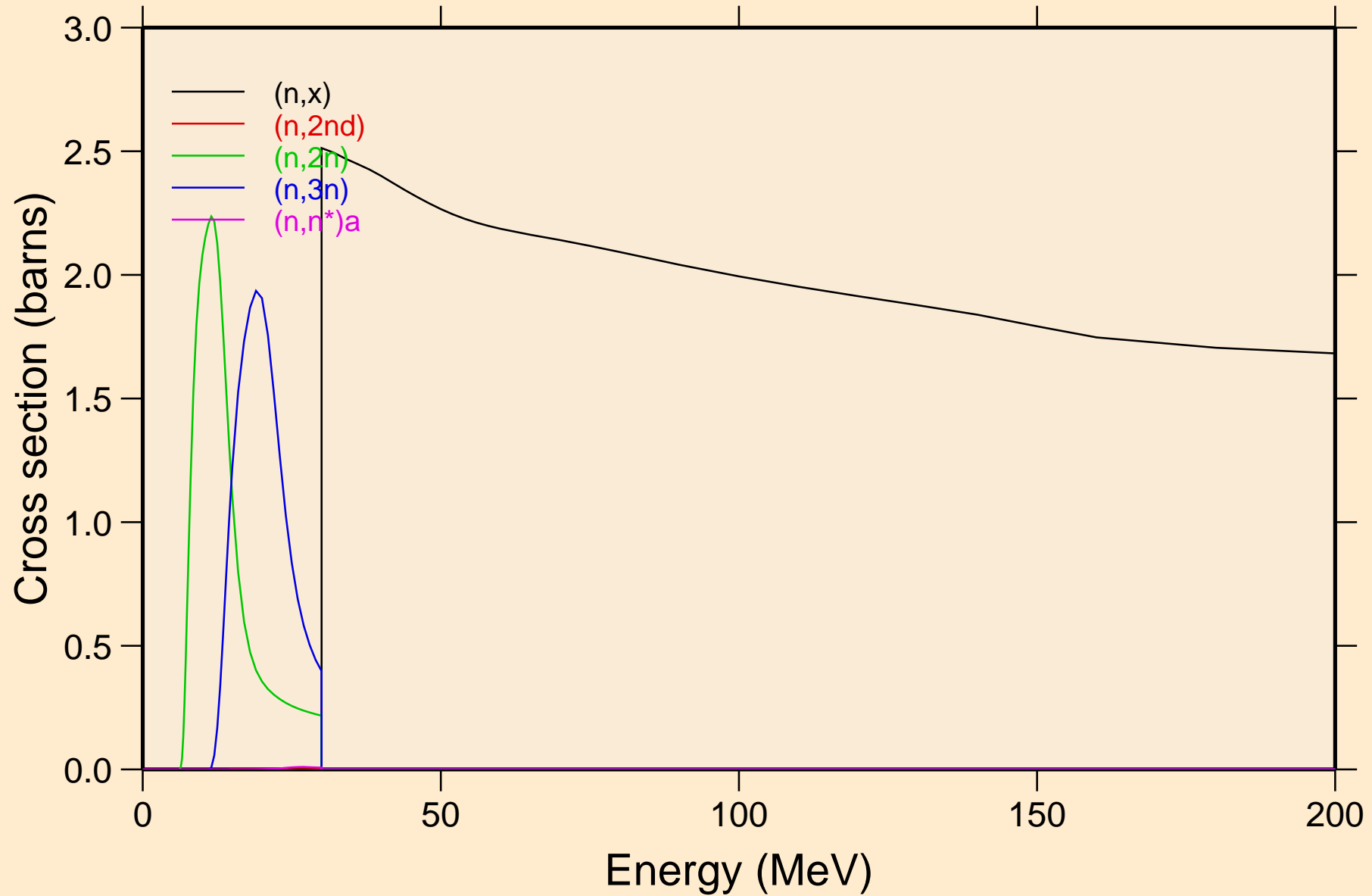
# AC231 NRG TENDL-2015, AKONING

## Inelastic levels



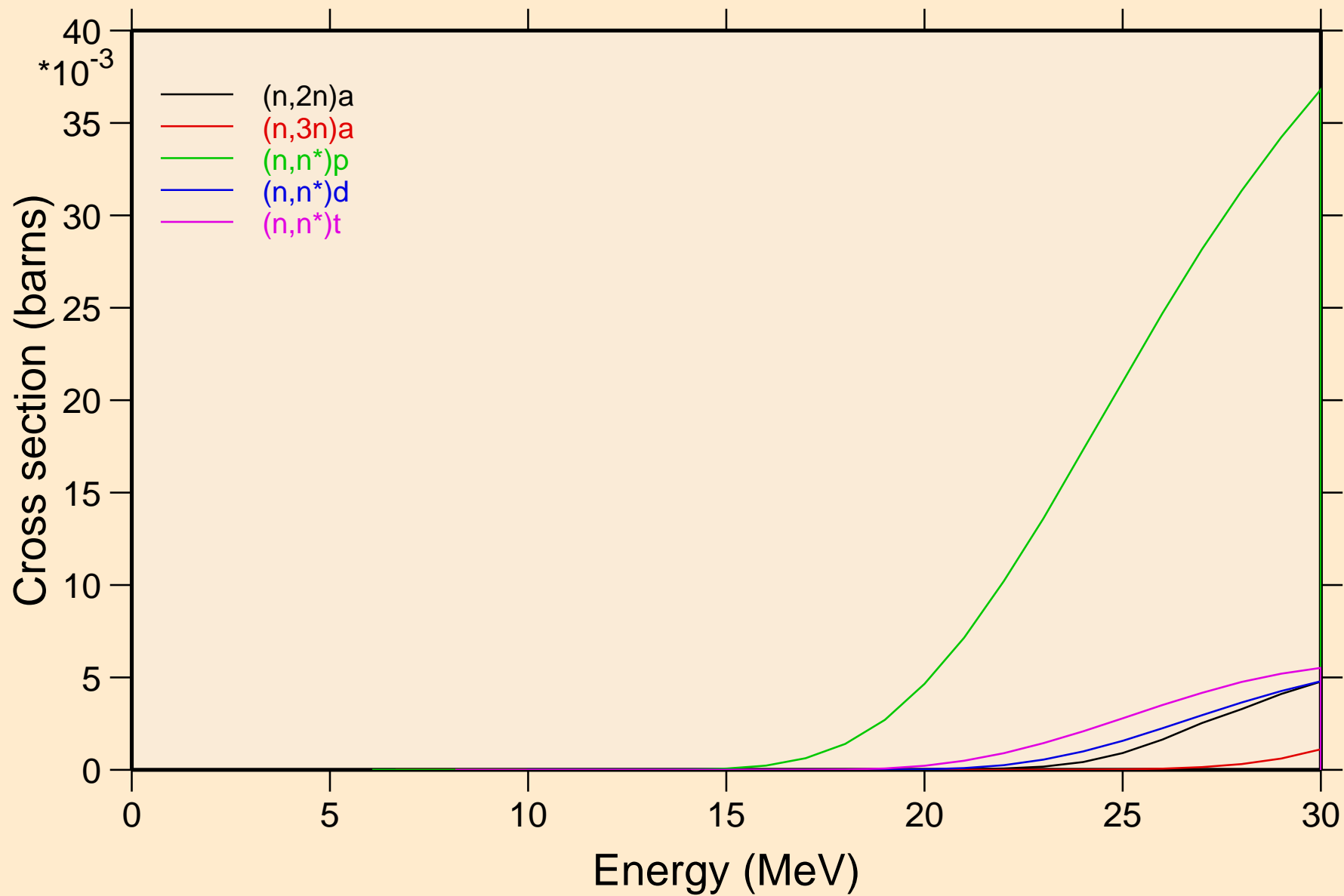
# AC231 NRG TENDL-2015, AKONING

## Threshold reactions



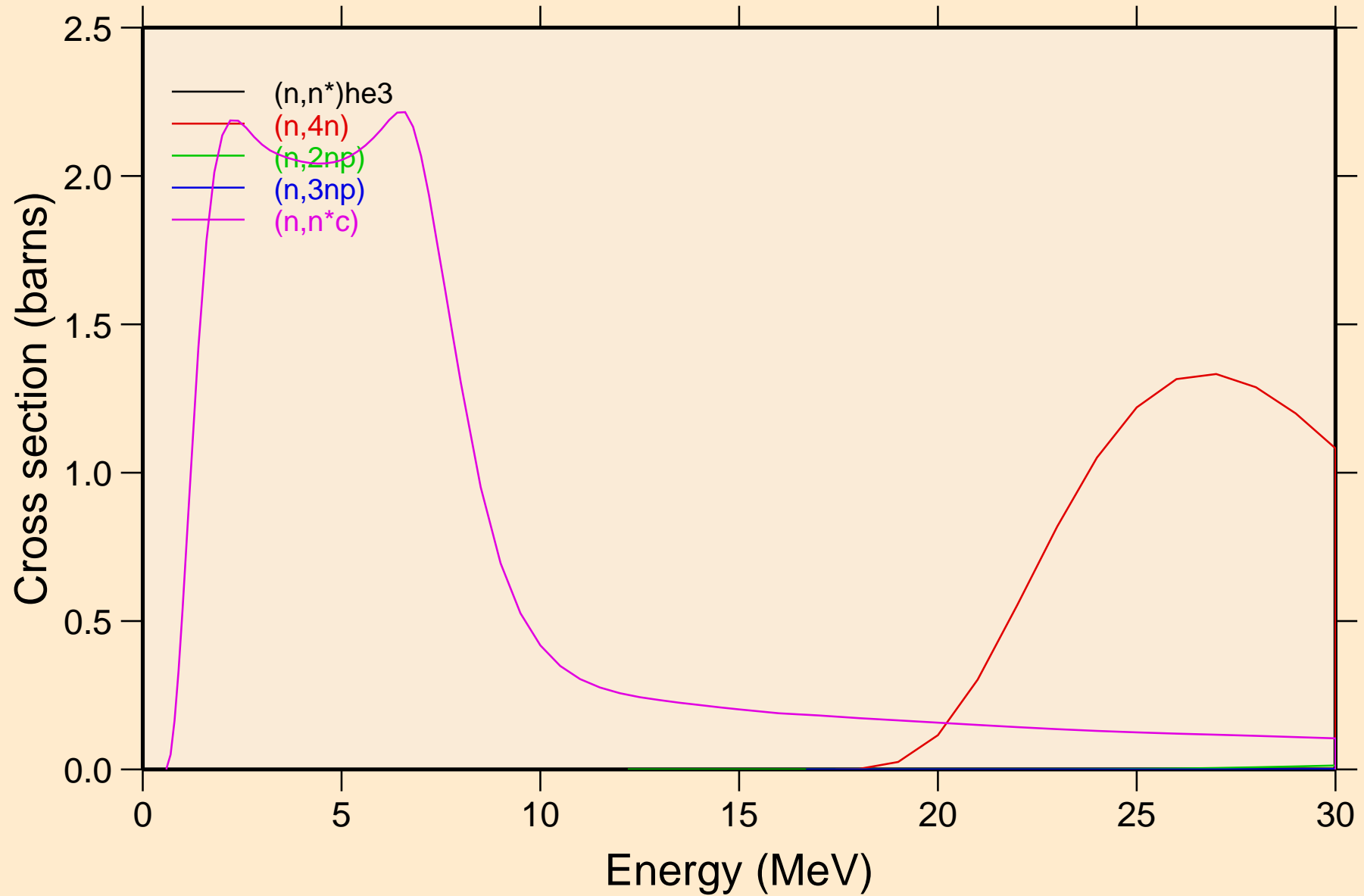
# AC231 NRG TENDL-2015, AKONING

## Threshold reactions



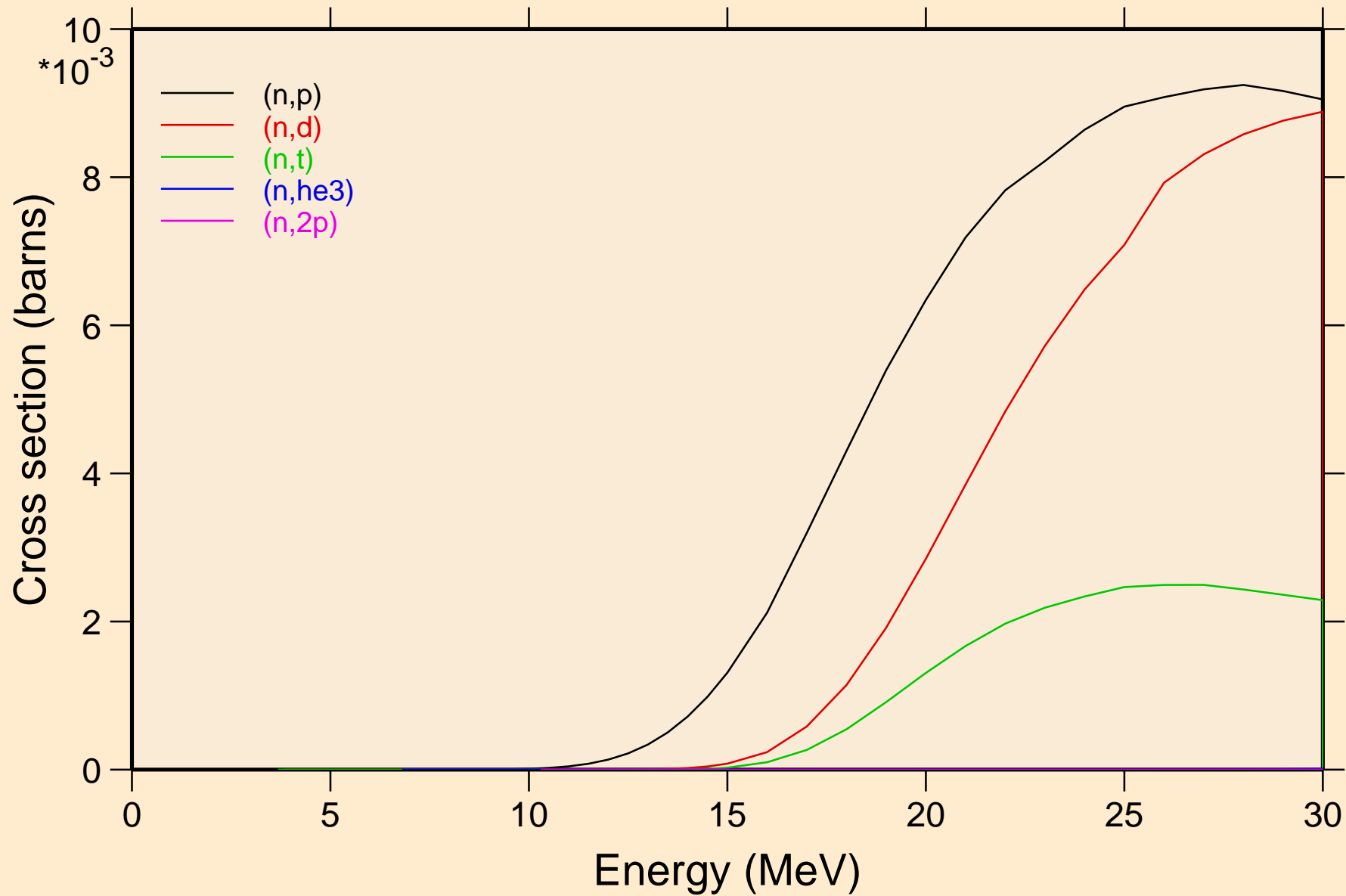
# AC231 NRG TENDL-2015, AKONING

## Threshold reactions

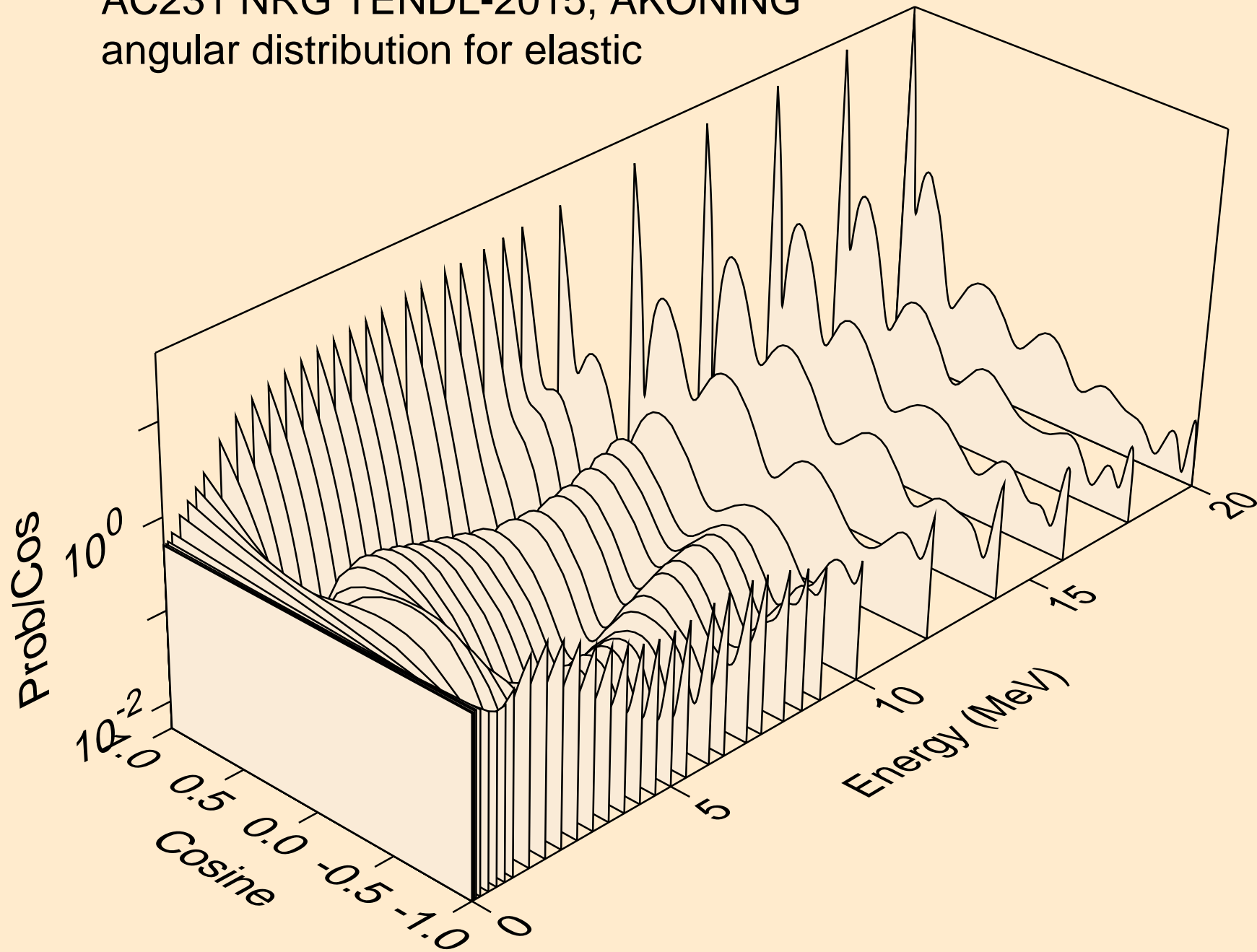


# AC231 NRG TENDL-2015, AKONING

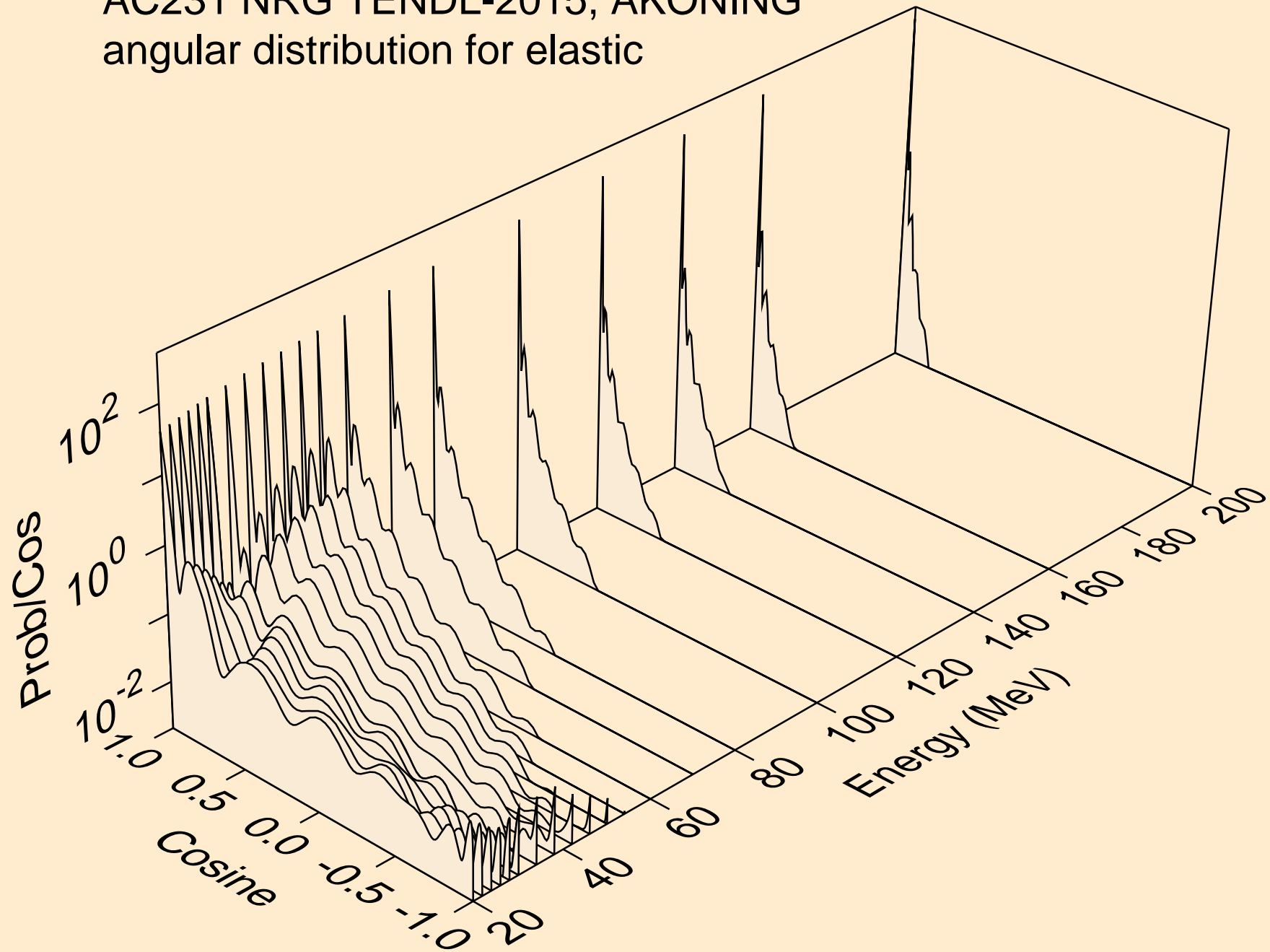
## Threshold reactions



AC231 NRG TENDL-2015, AKONING  
angular distribution for elastic

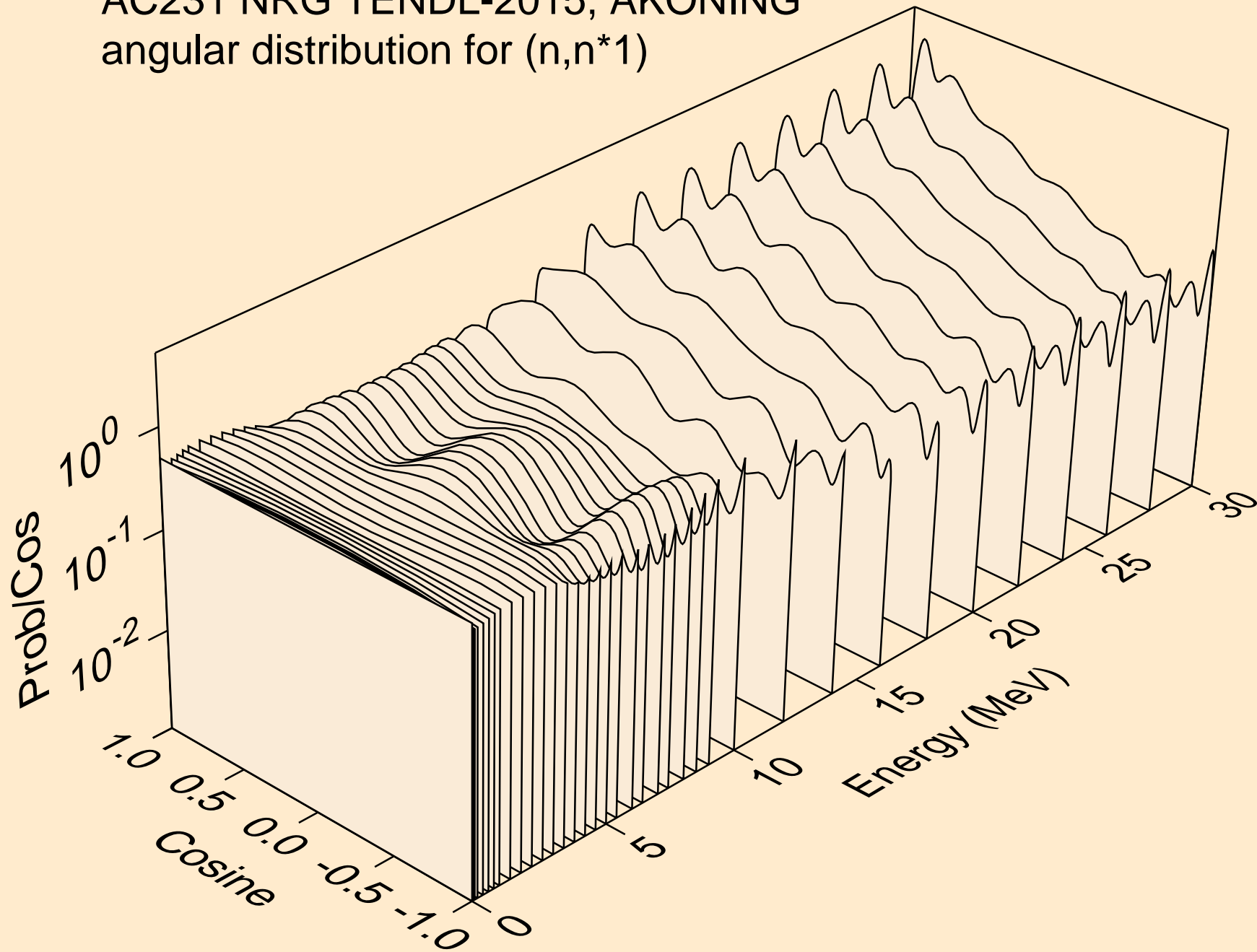


AC231 NRG TENDL-2015, AKONING  
angular distribution for elastic

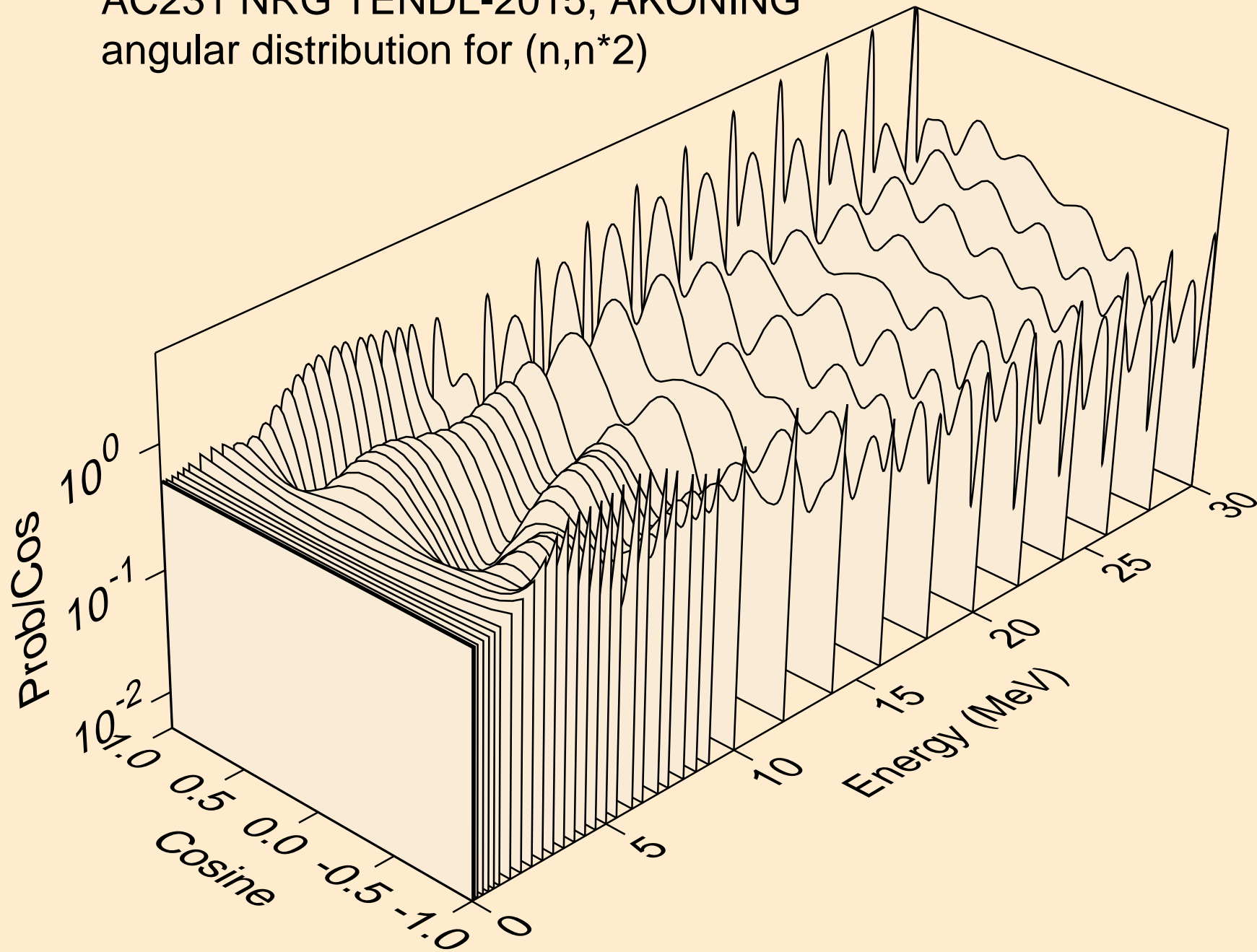




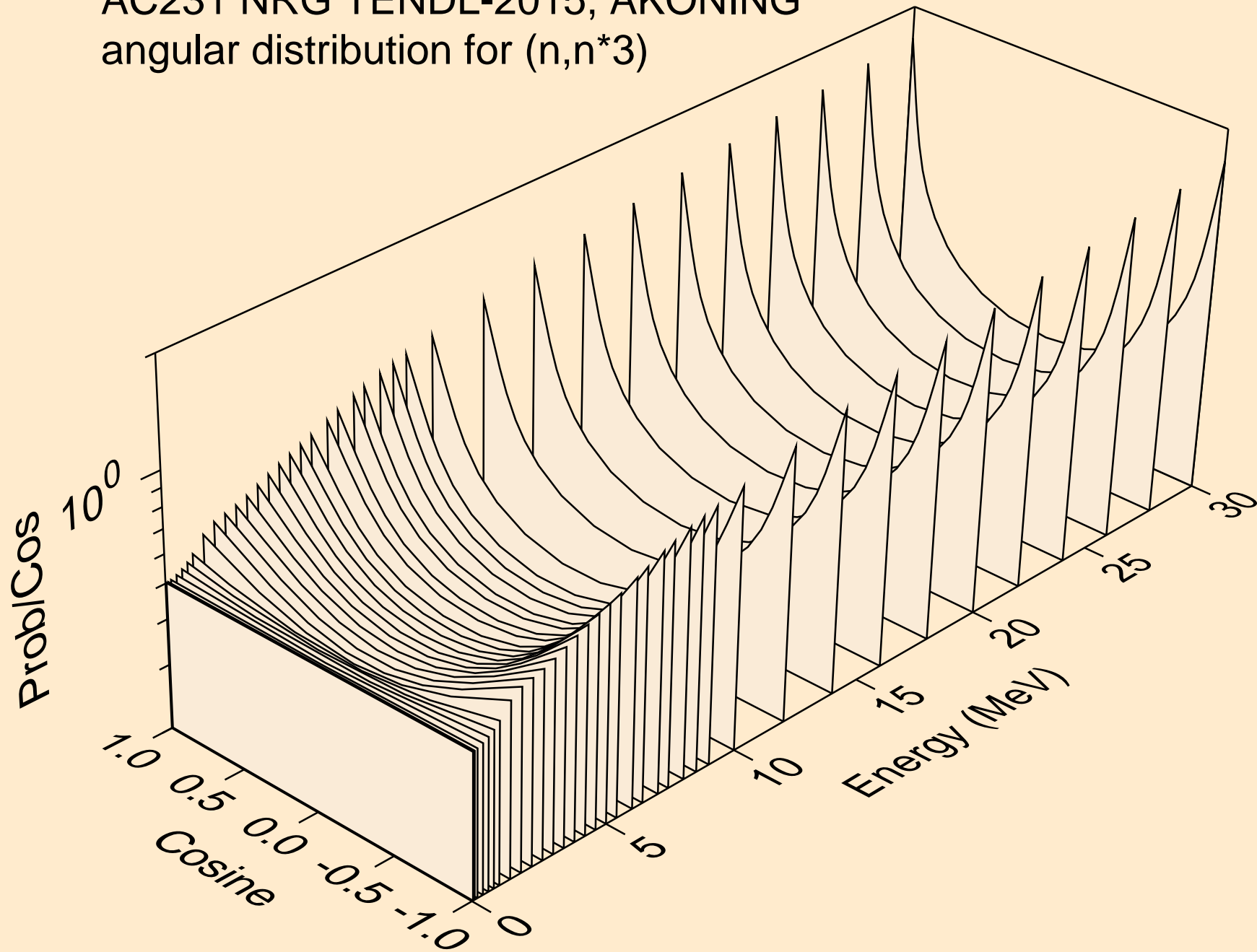
AC231 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



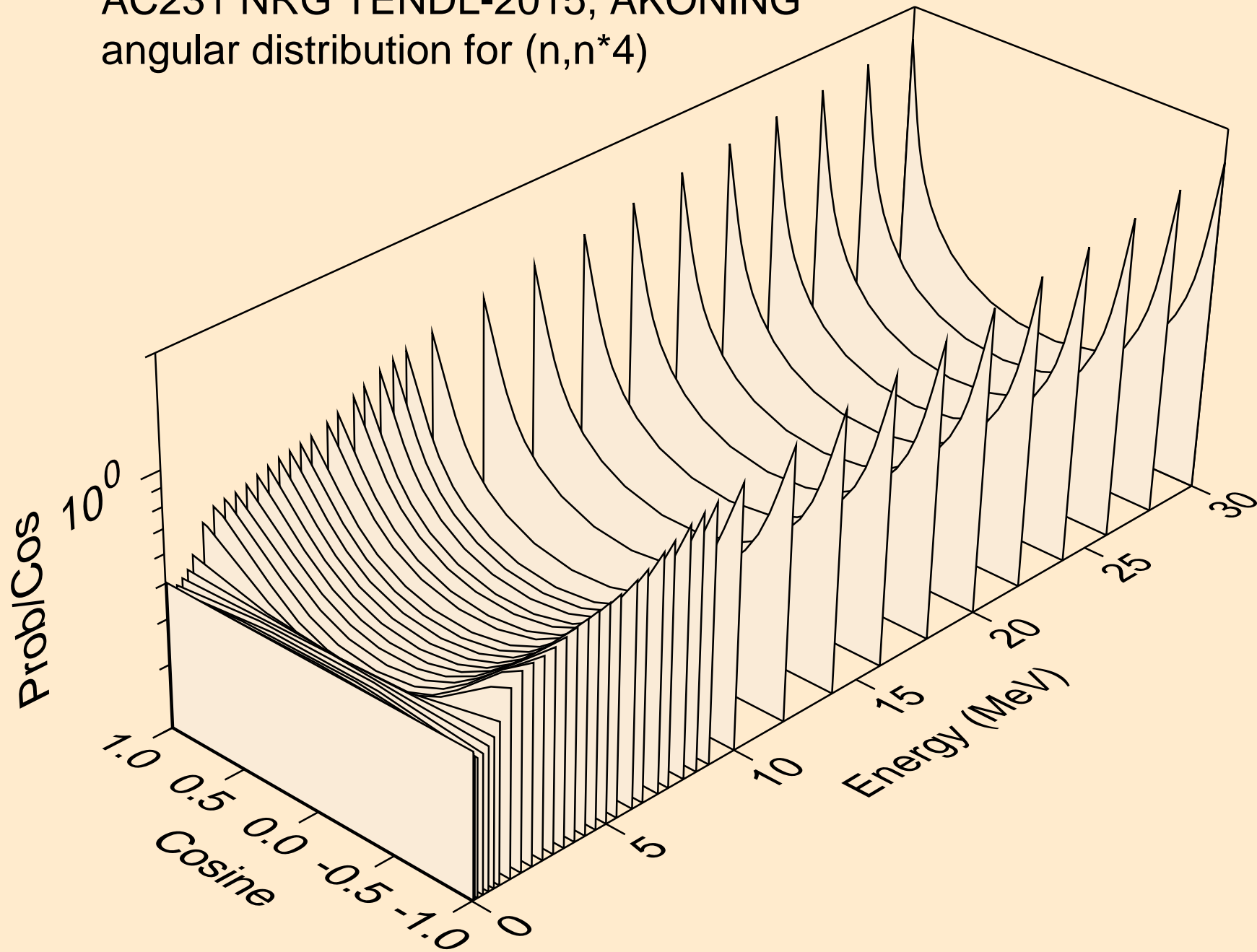
AC231 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



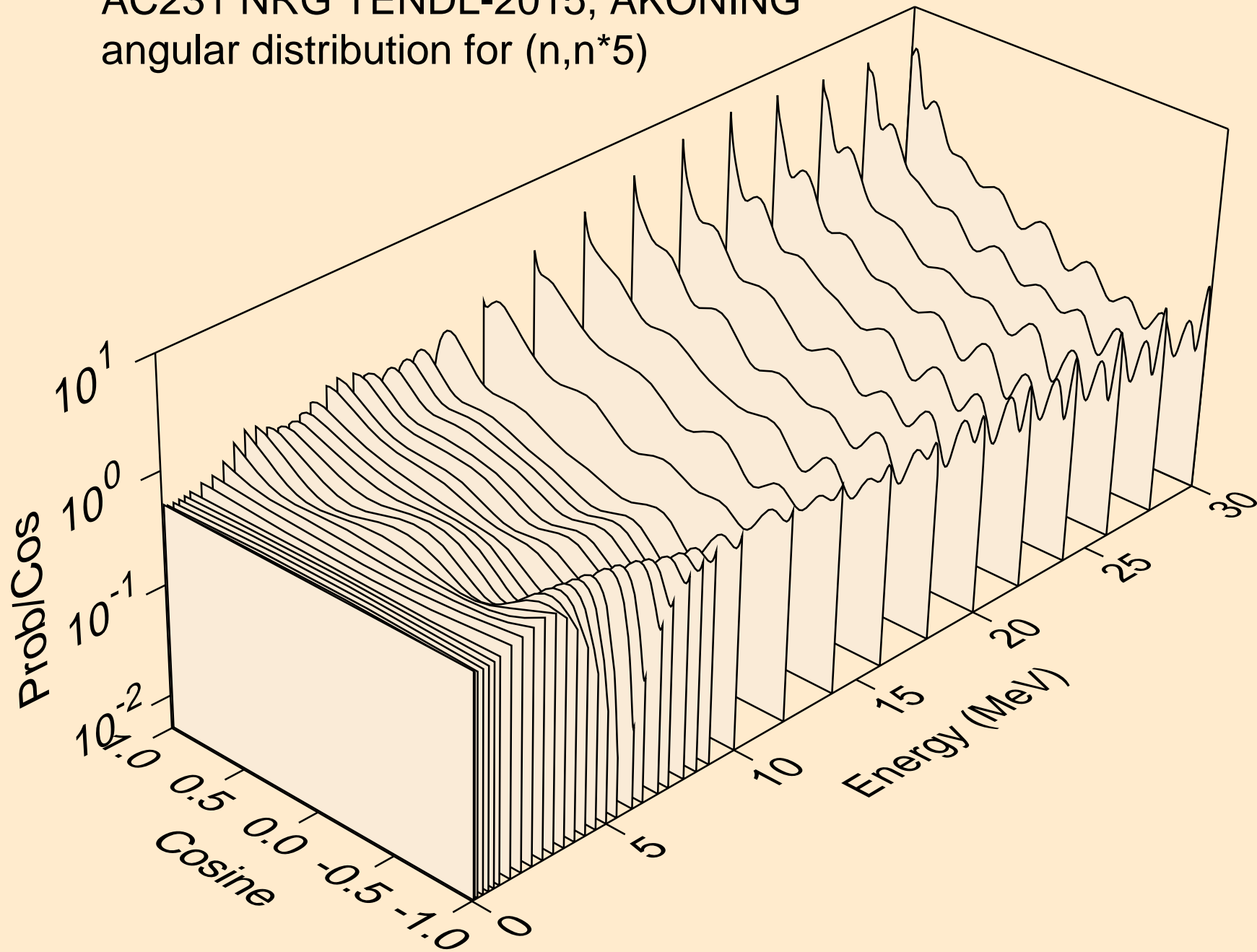
AC231 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



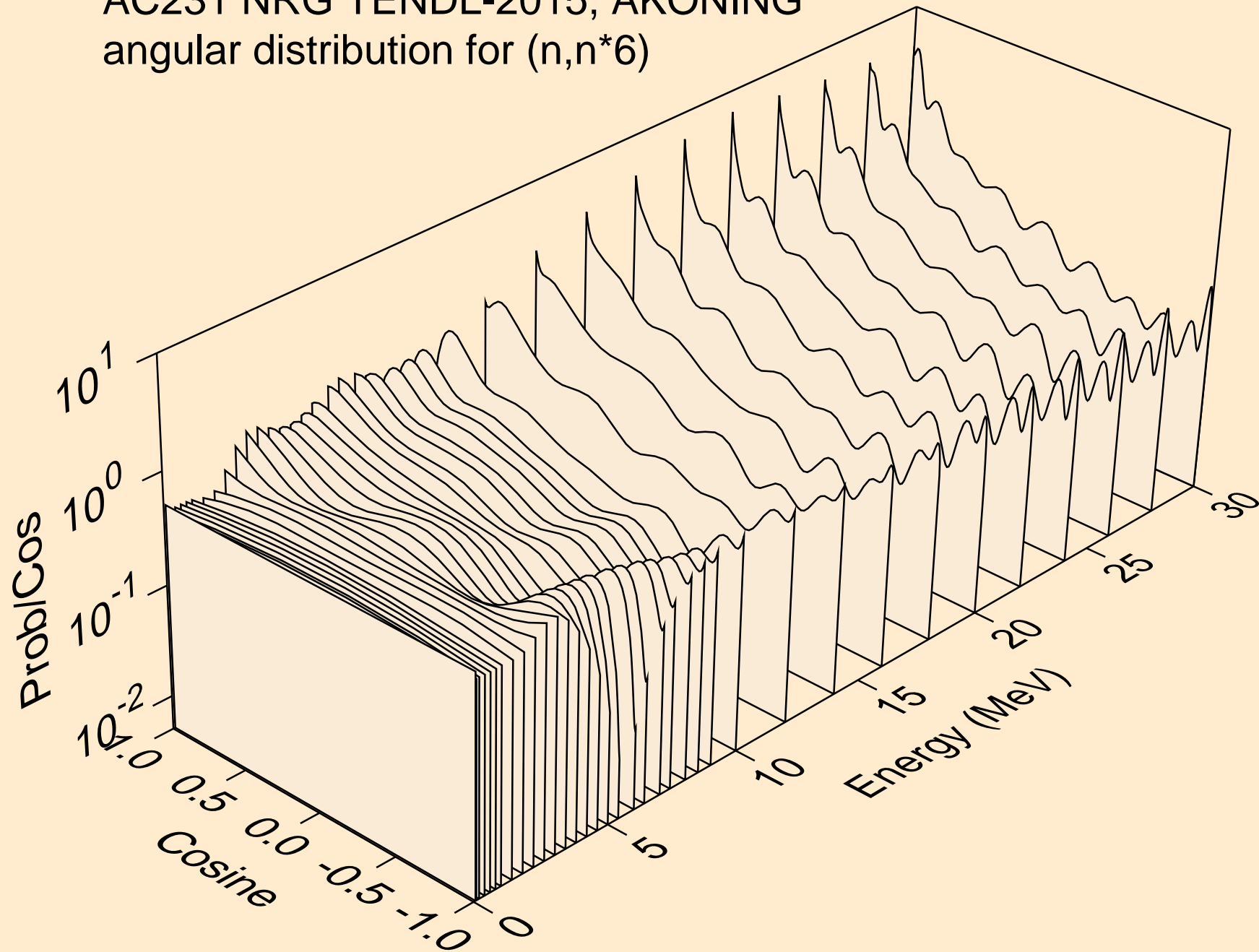
AC231 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



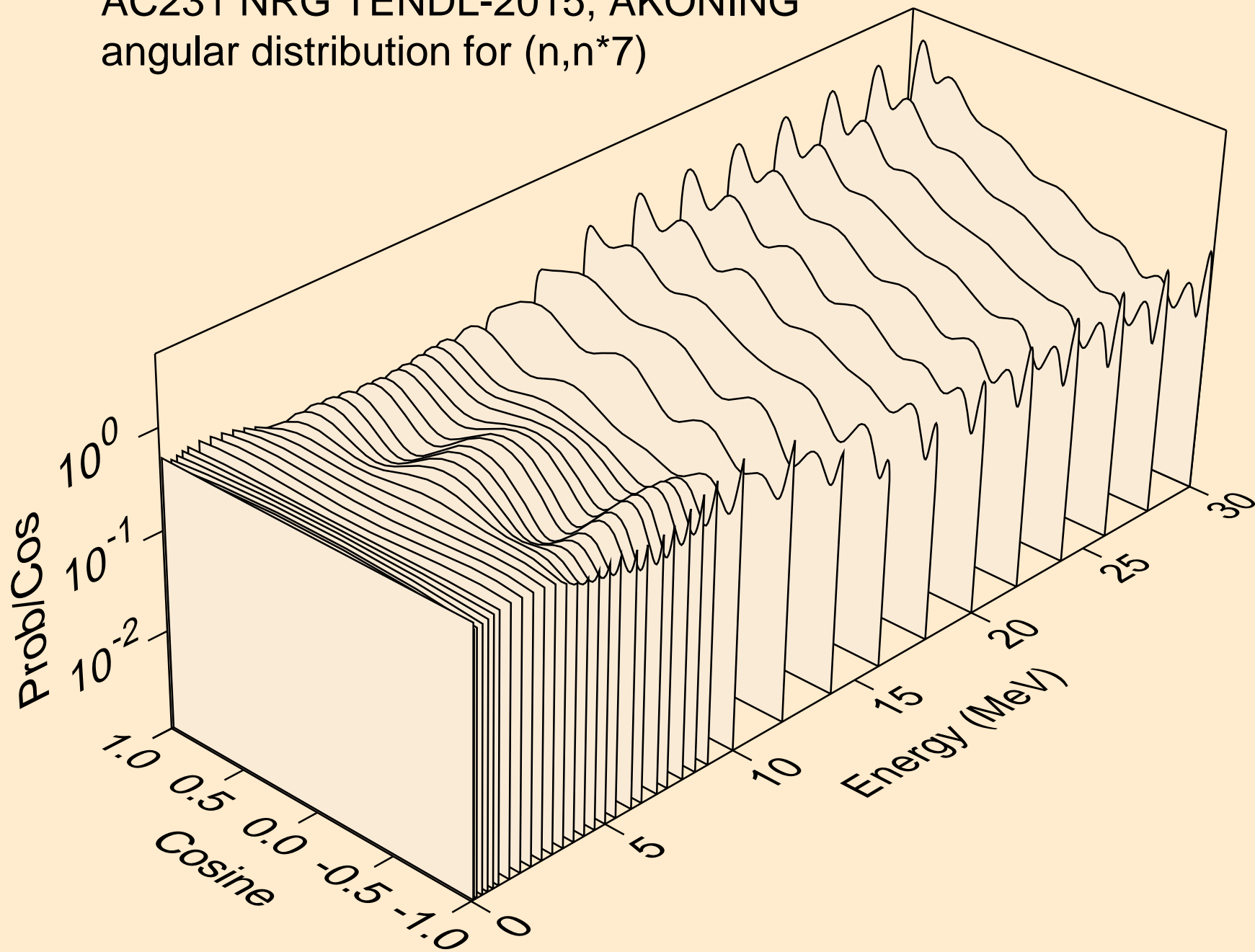
AC231 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)



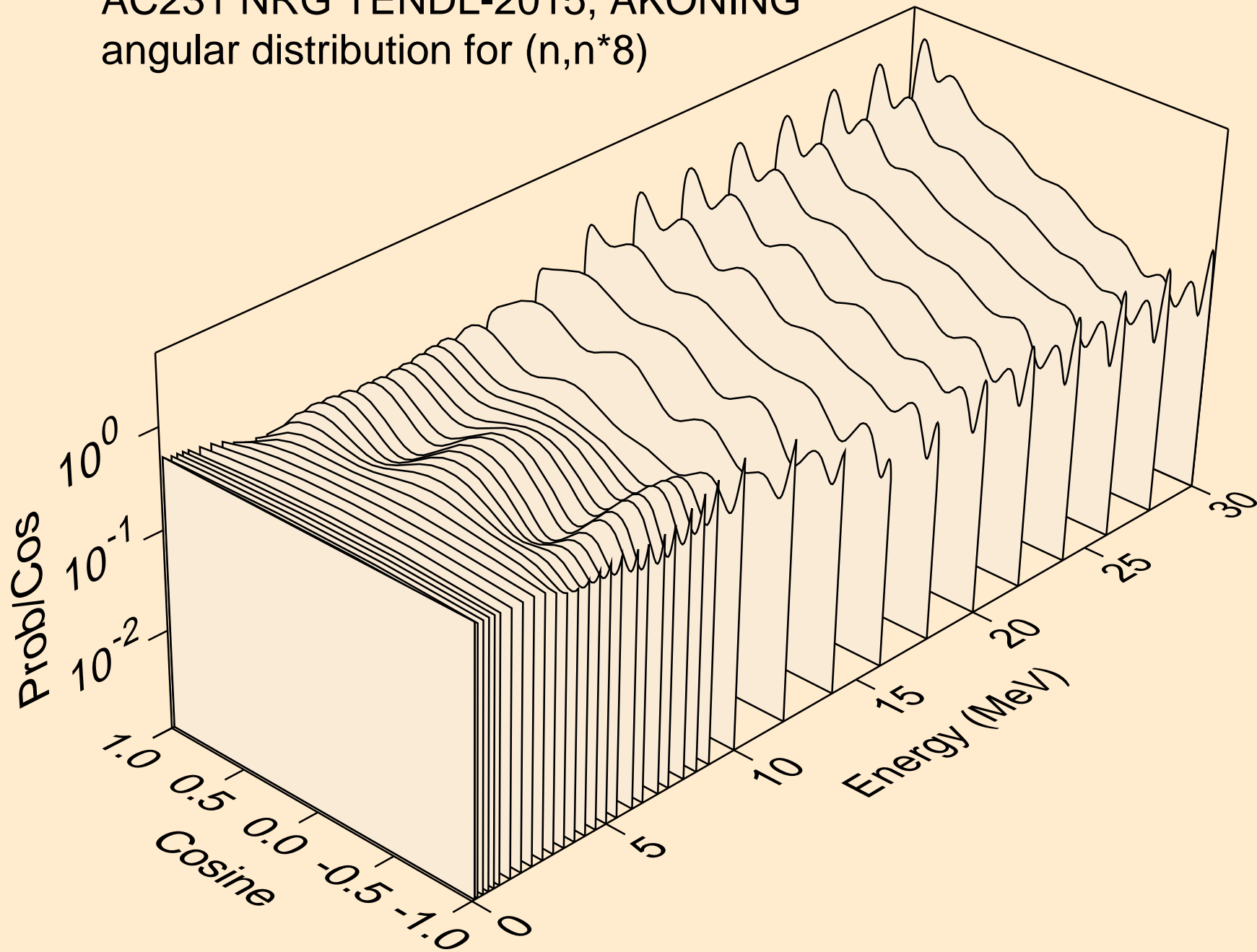
AC231 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)



AC231 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)

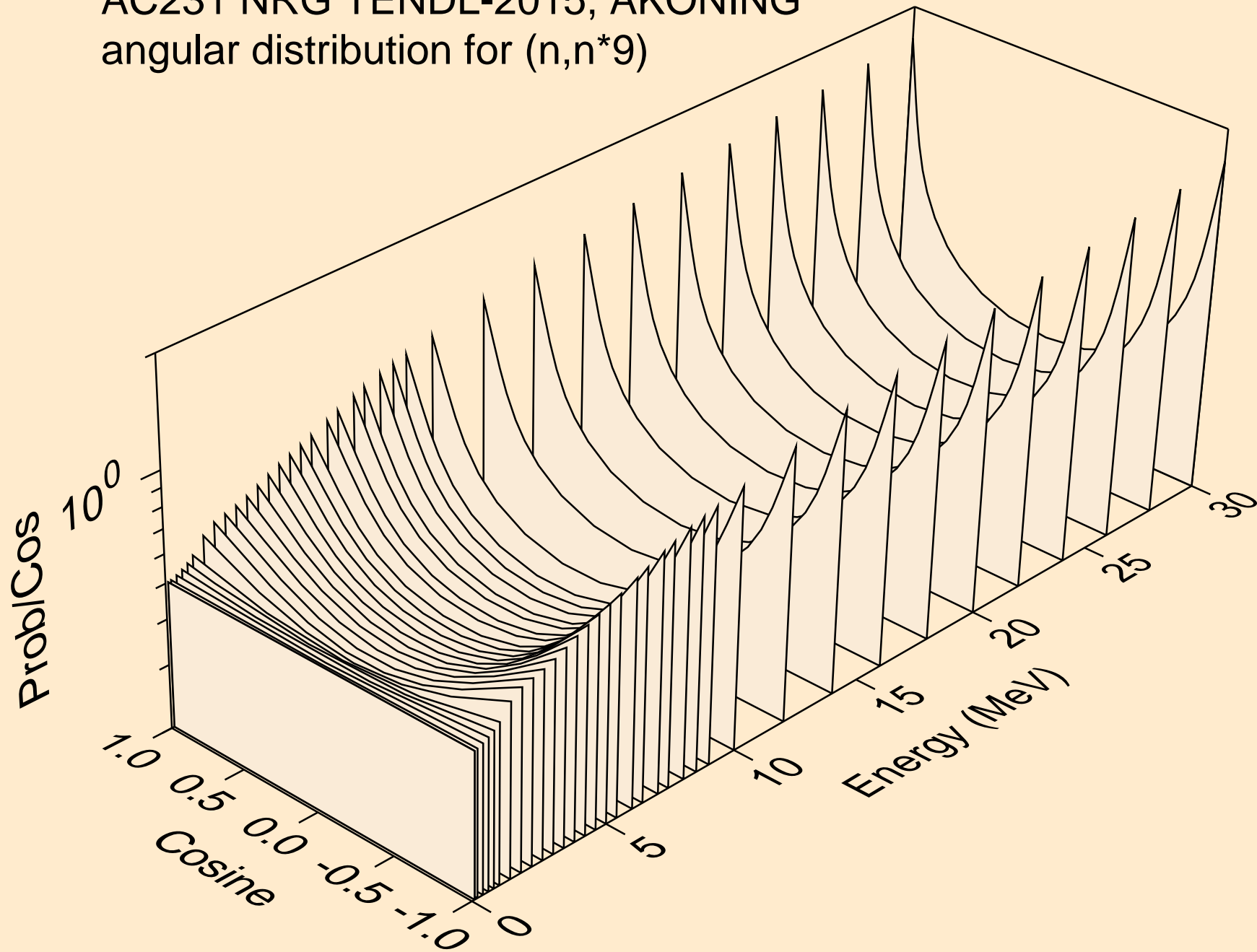


AC231 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)

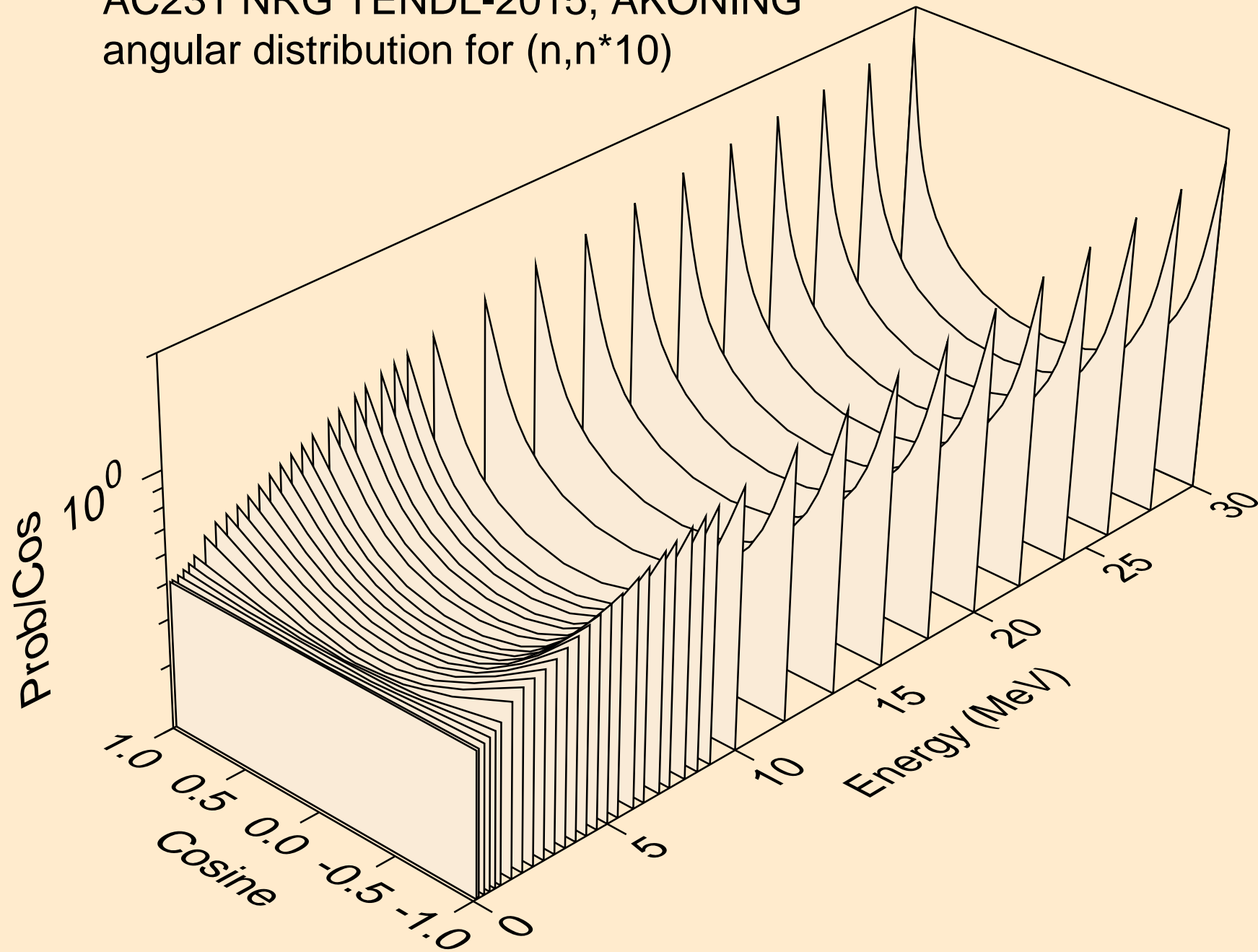




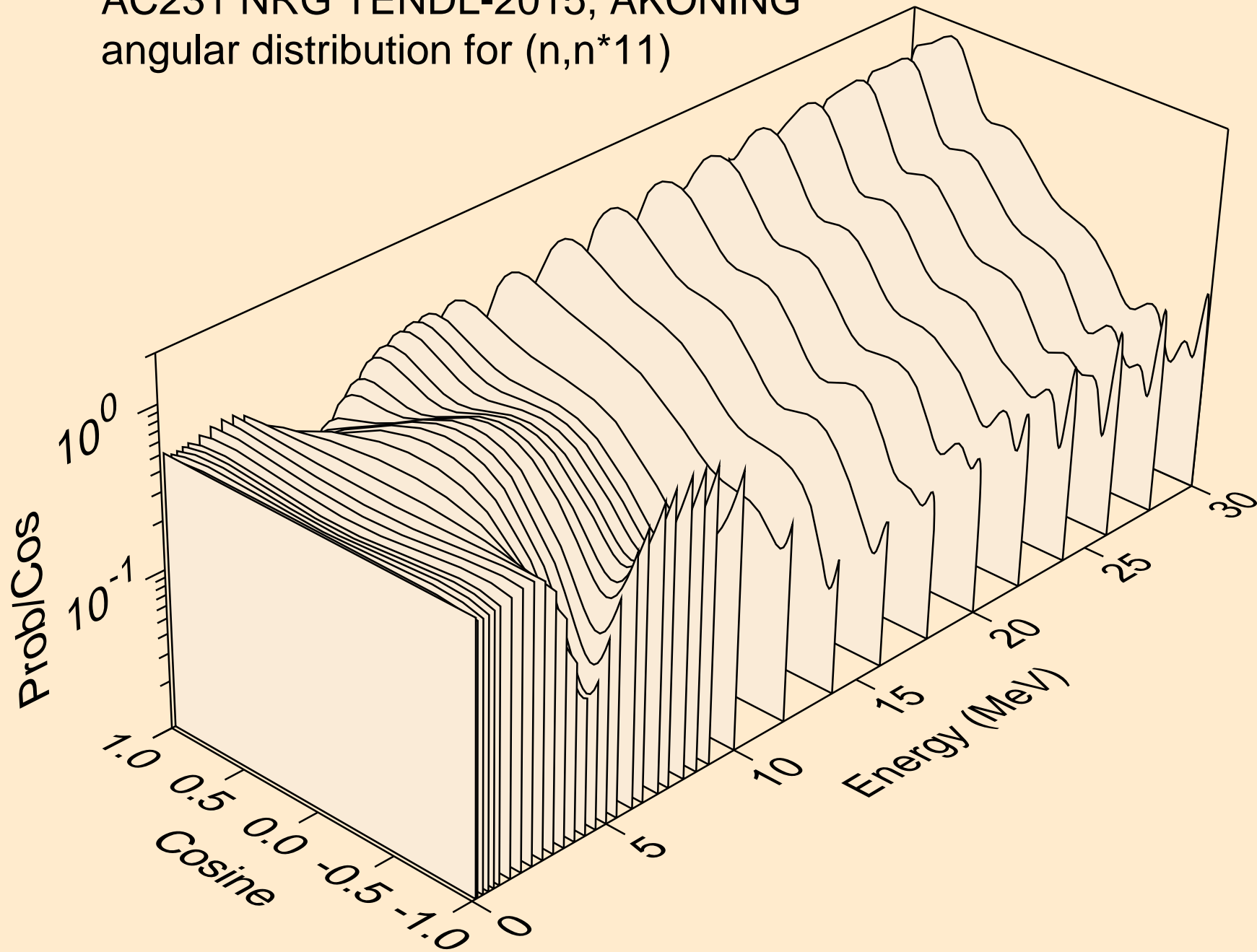
AC231 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



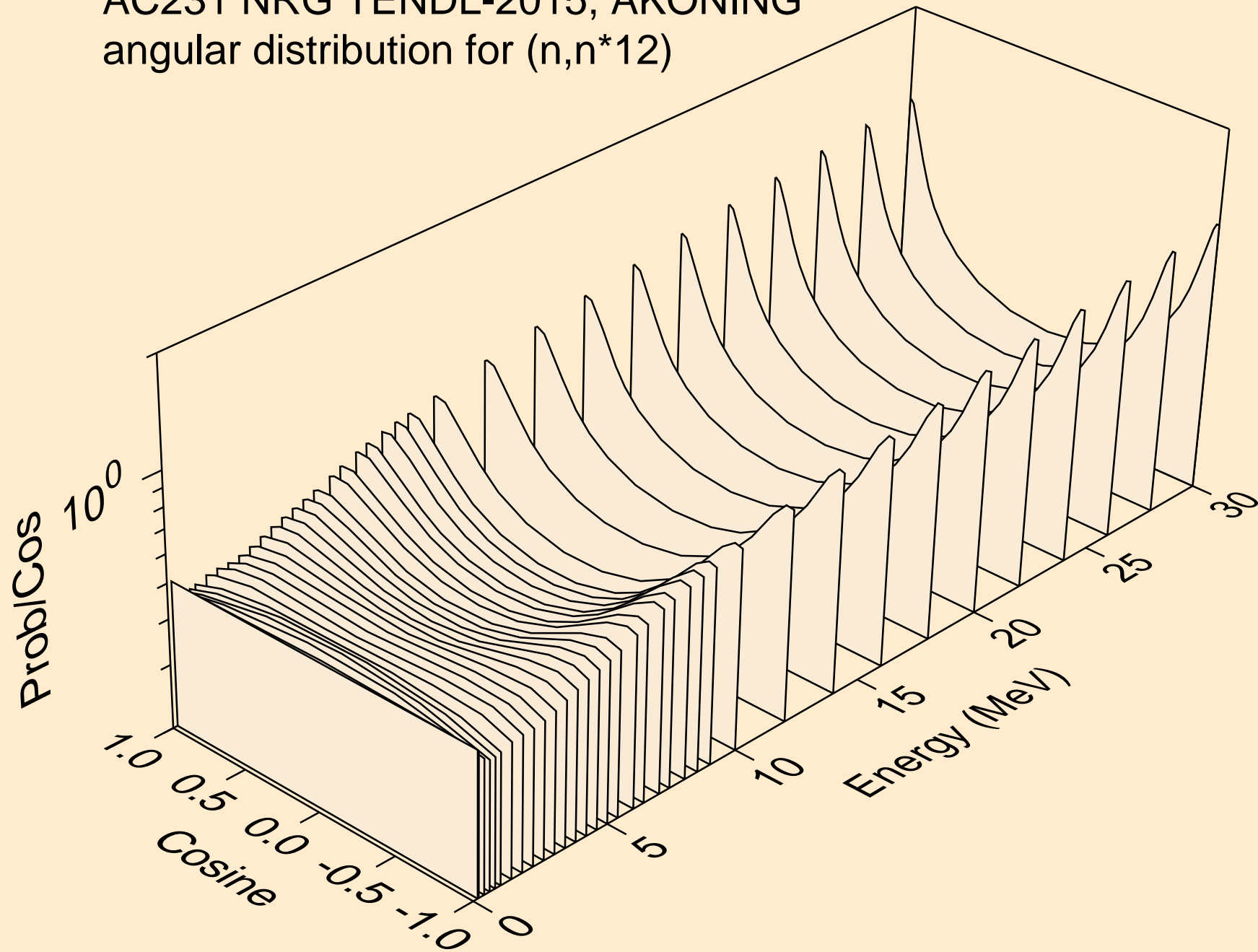
AC231 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



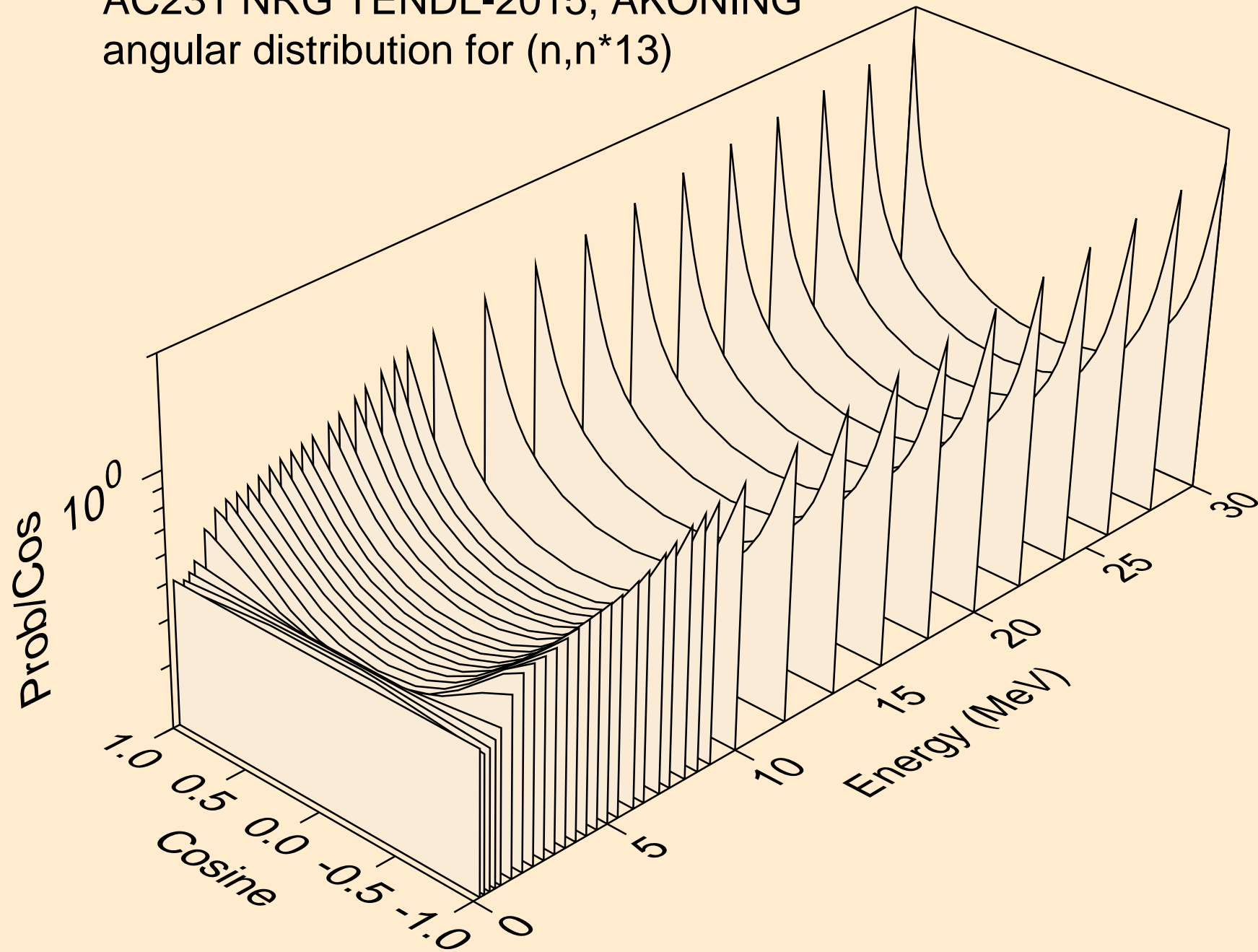
AC231 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



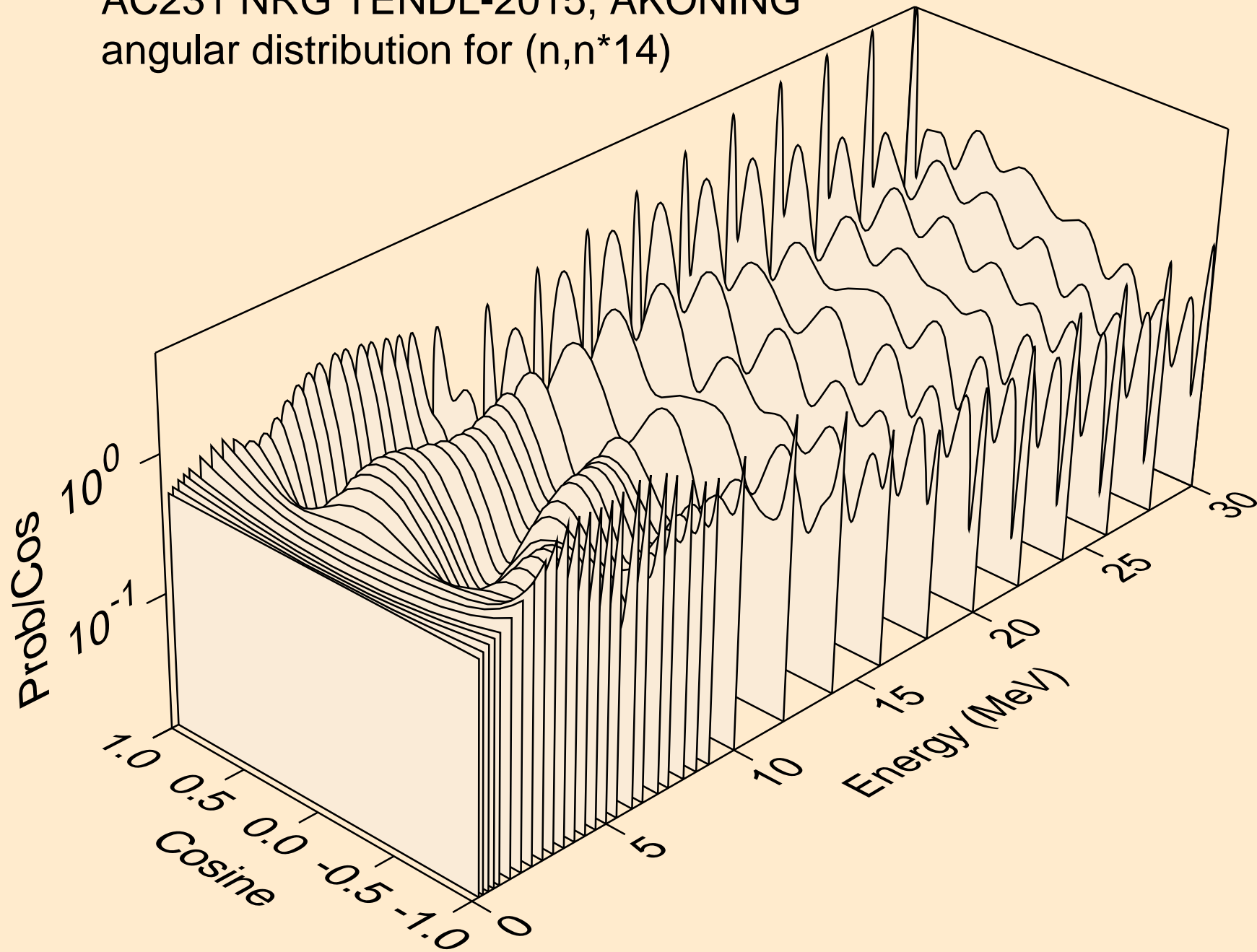
AC231 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



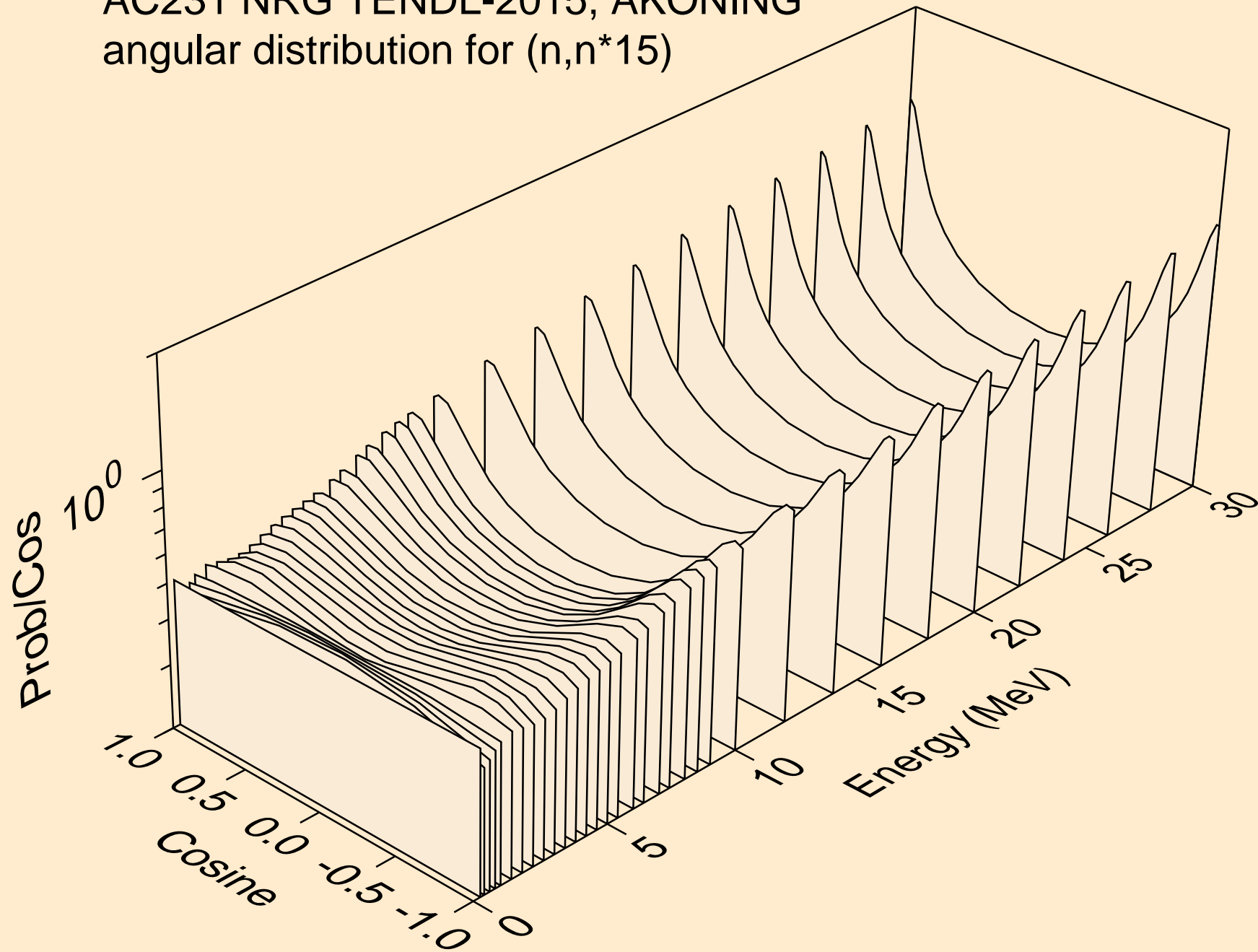
AC231 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)



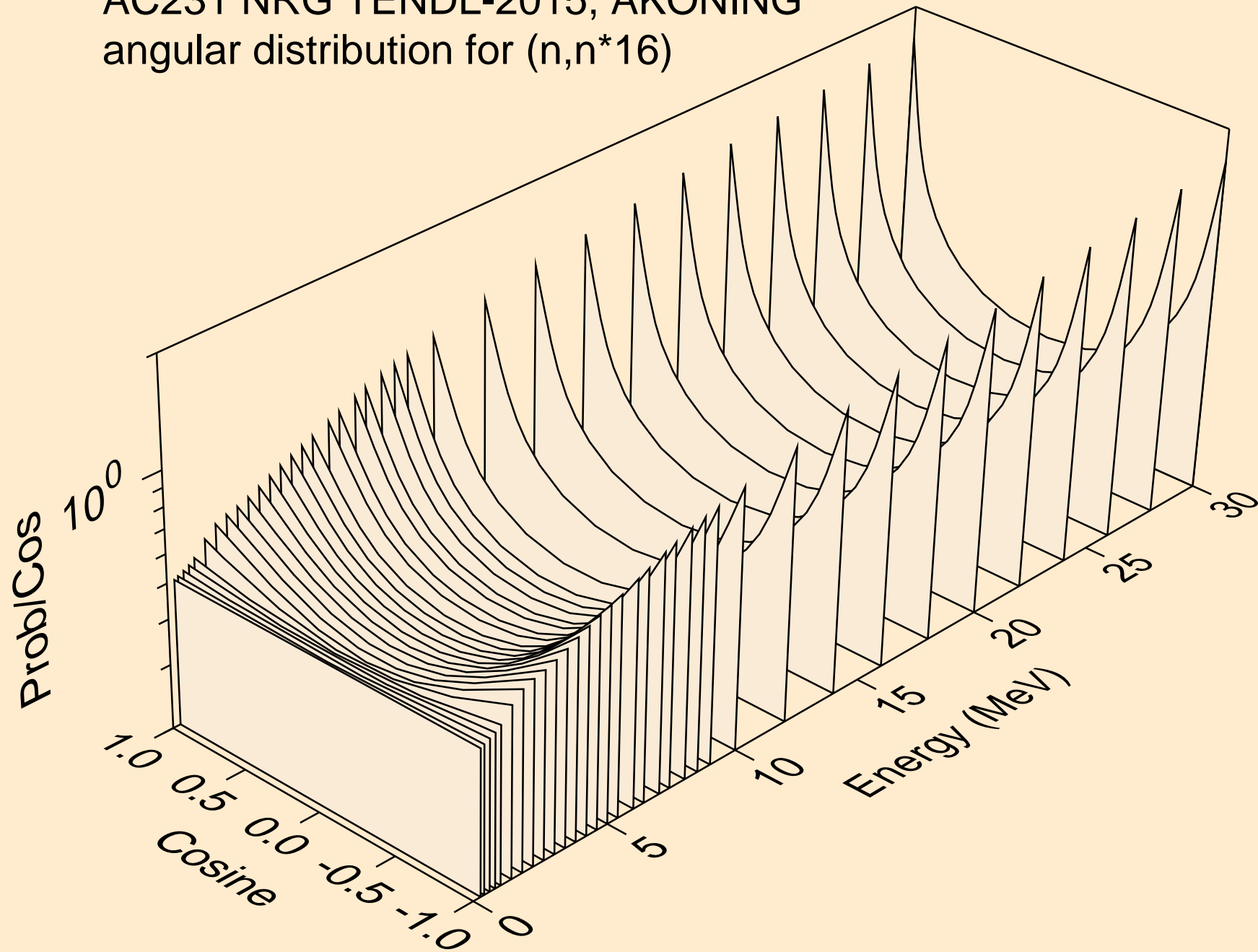
AC231 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)



AC231 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)

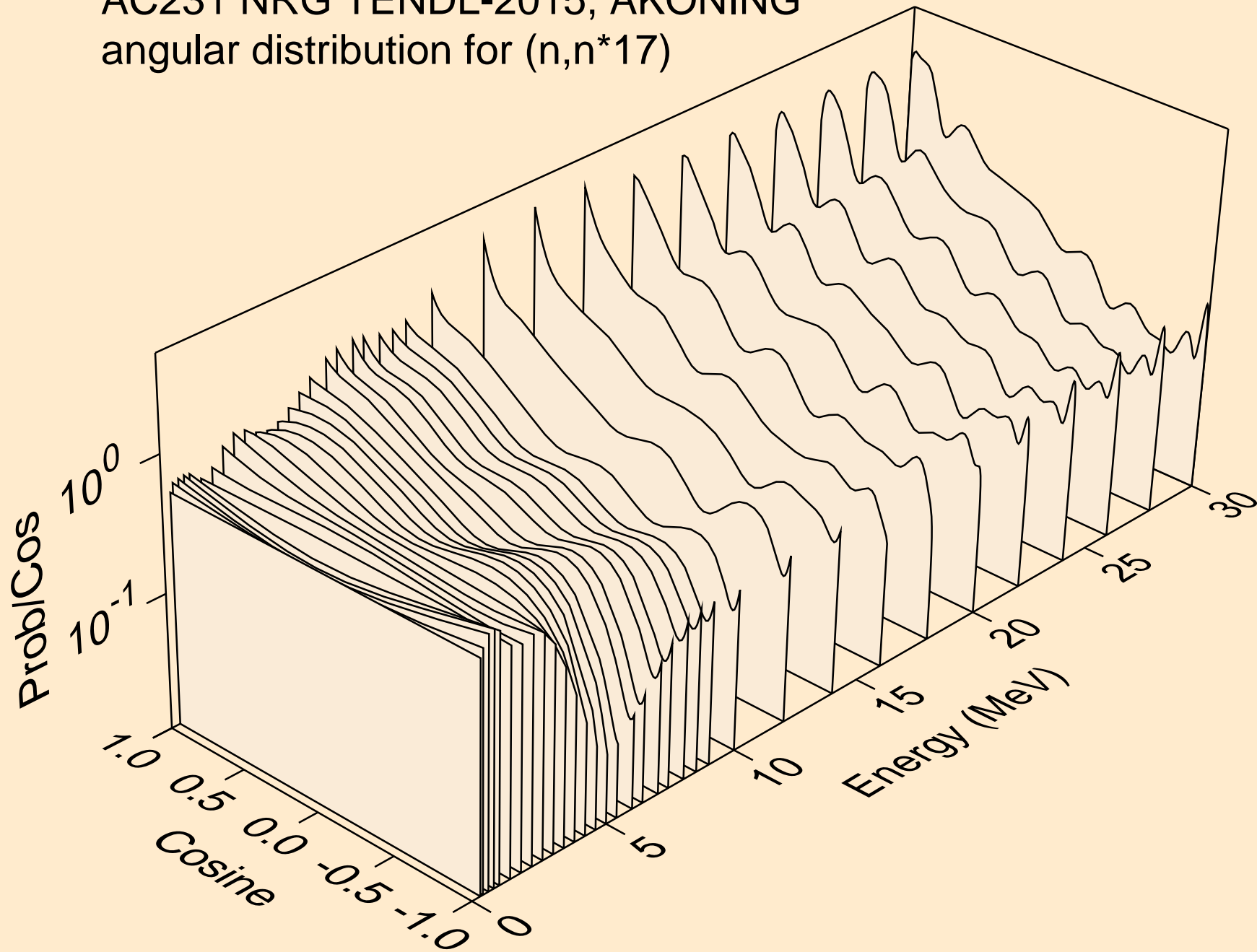


AC231 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)

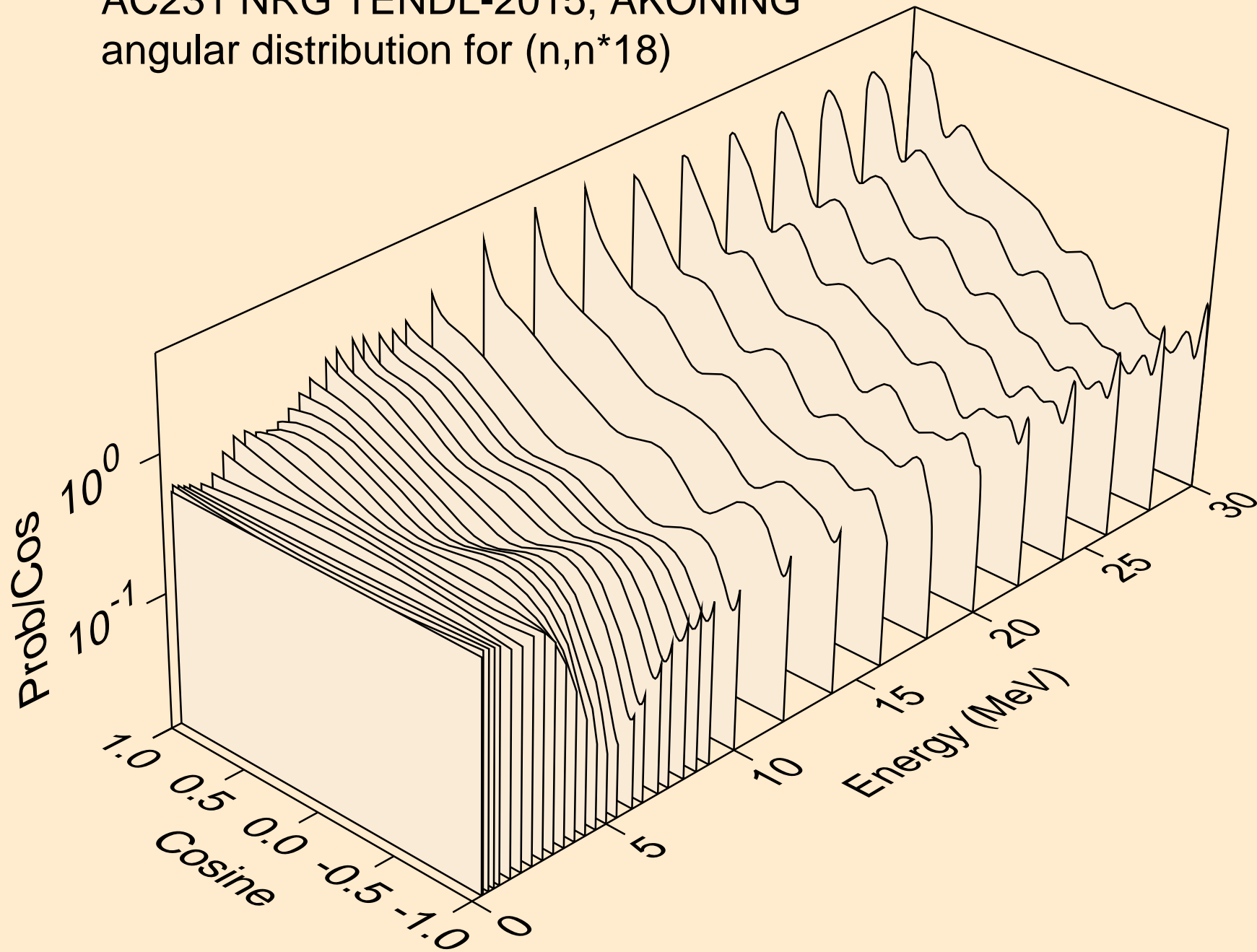




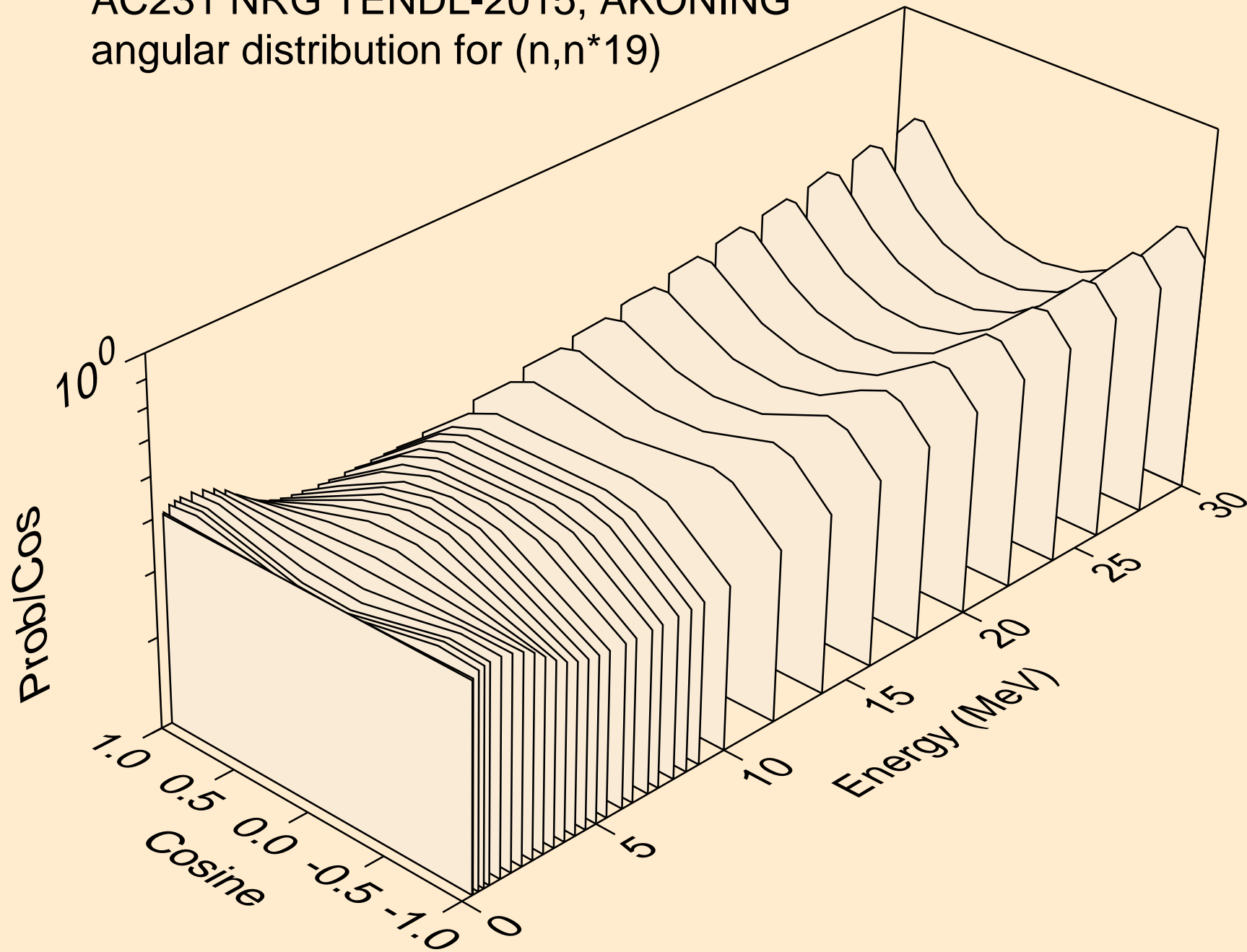
AC231 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



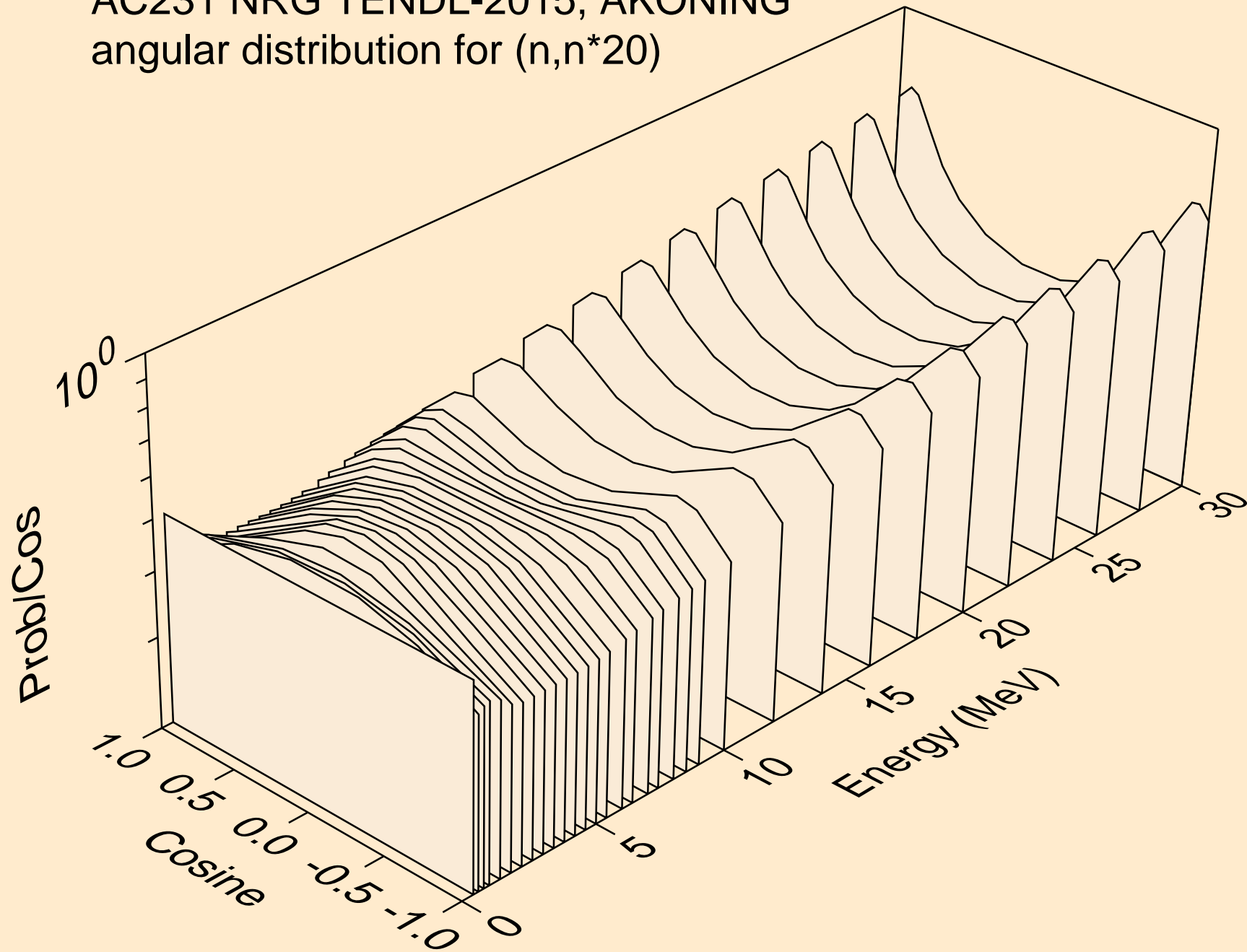
AC231 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



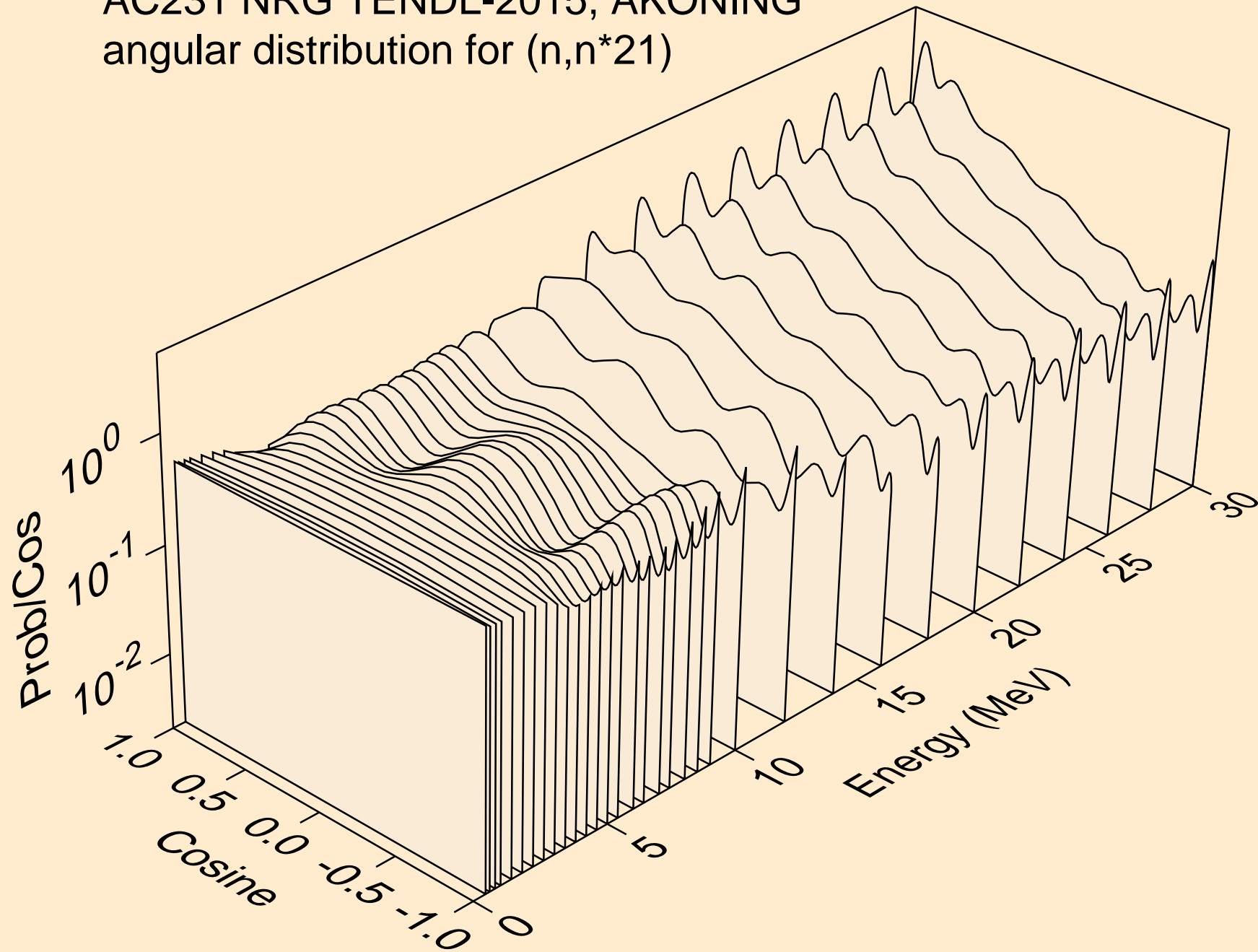
AC231 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



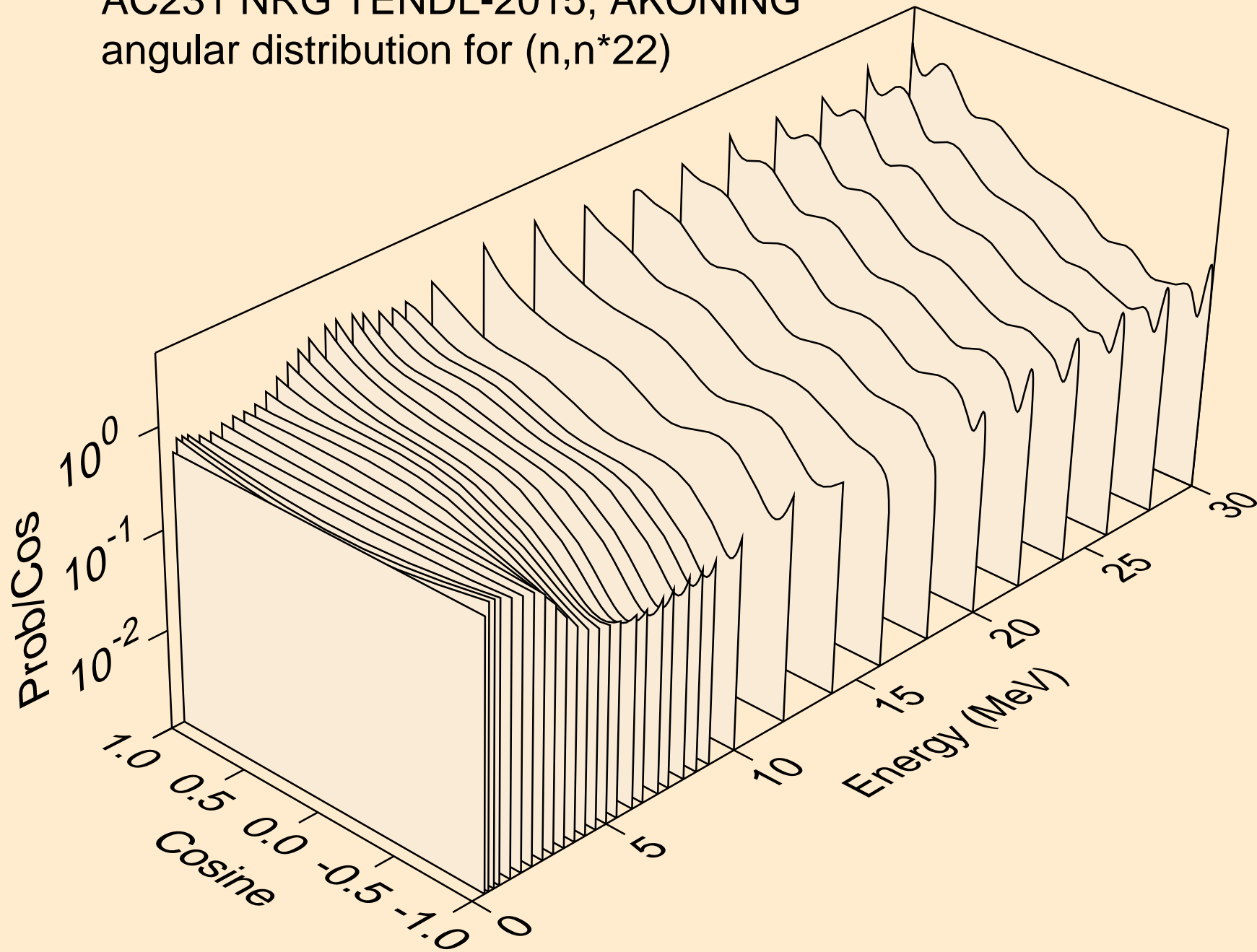
AC231 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



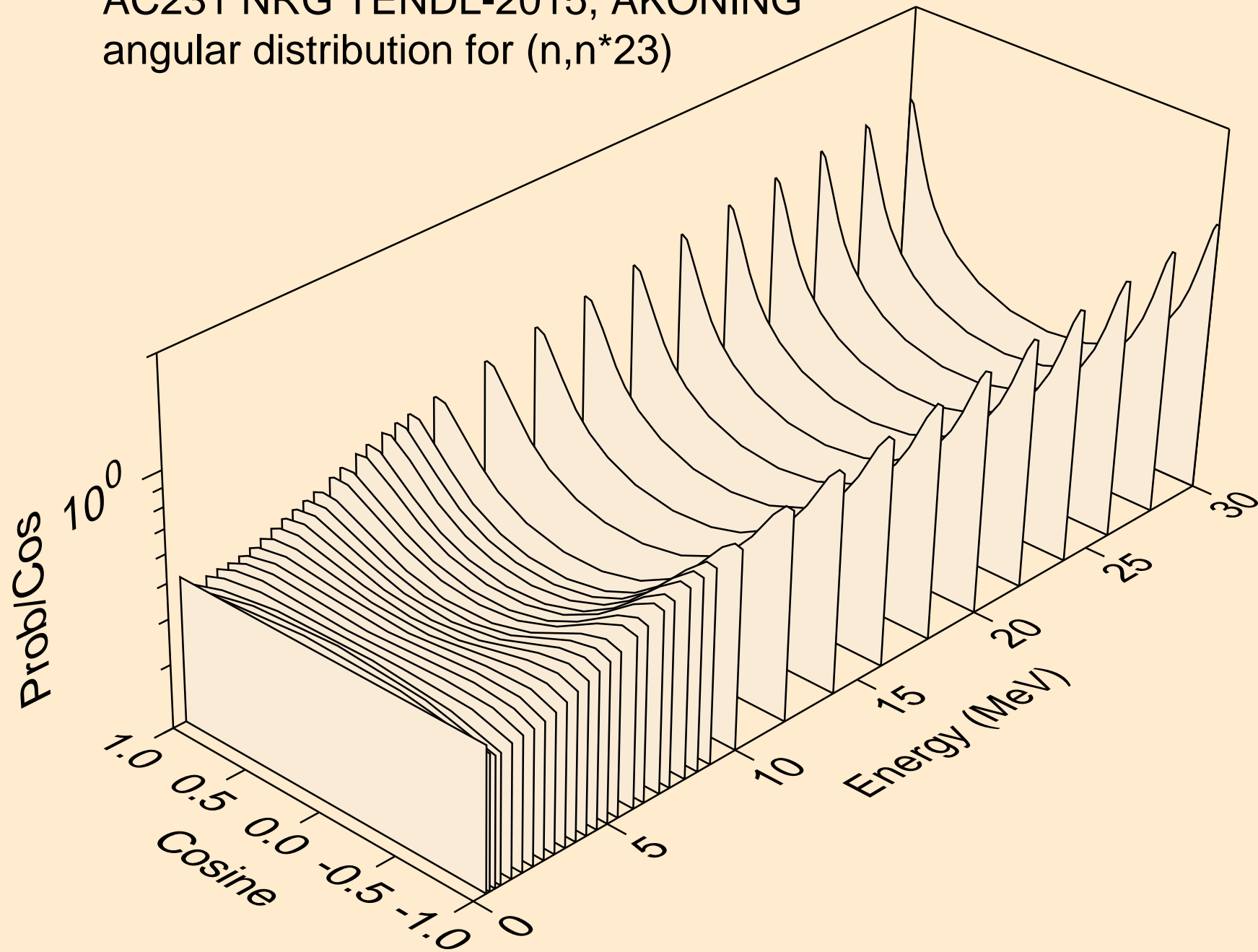
AC231 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)



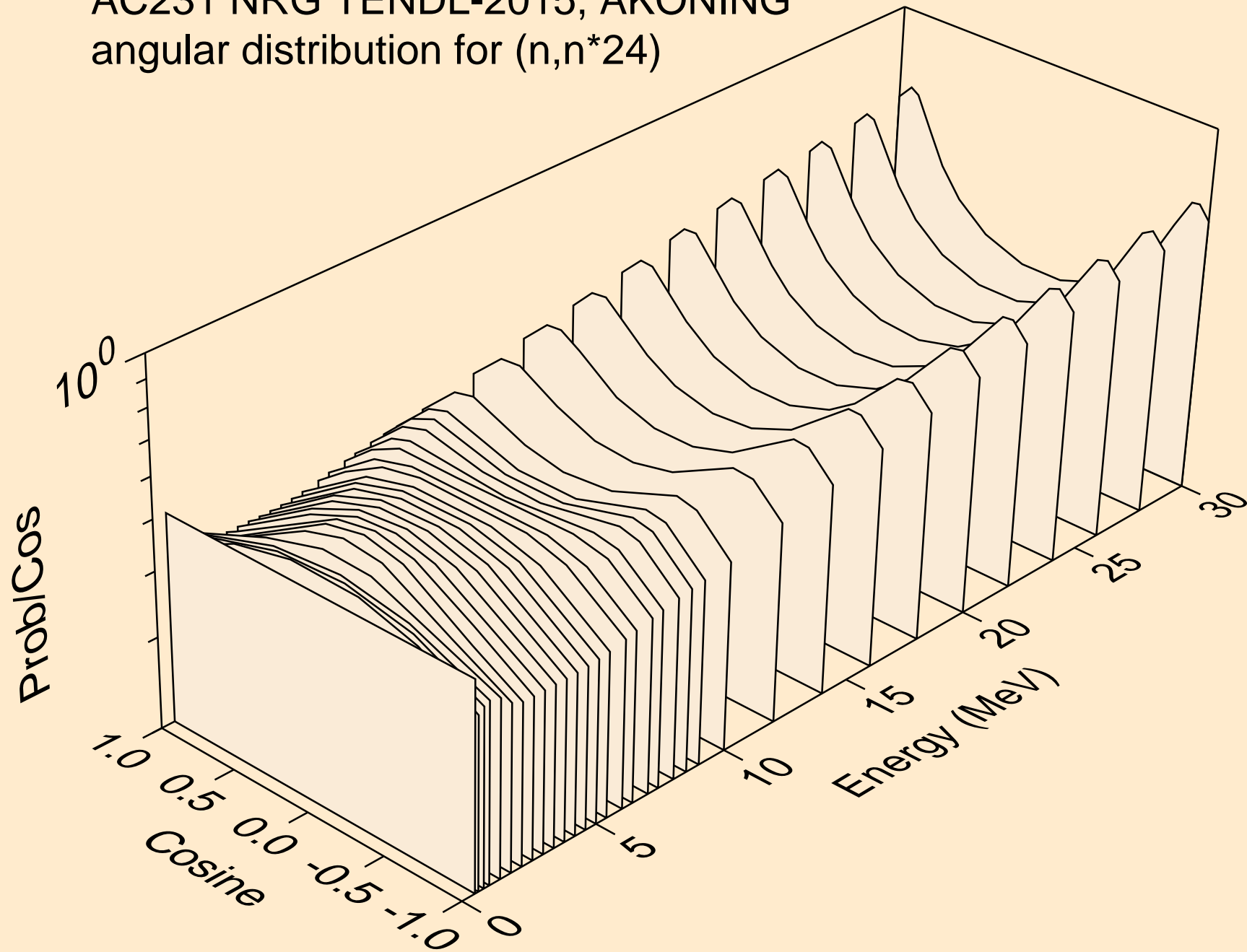
AC231 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)



AC231 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)

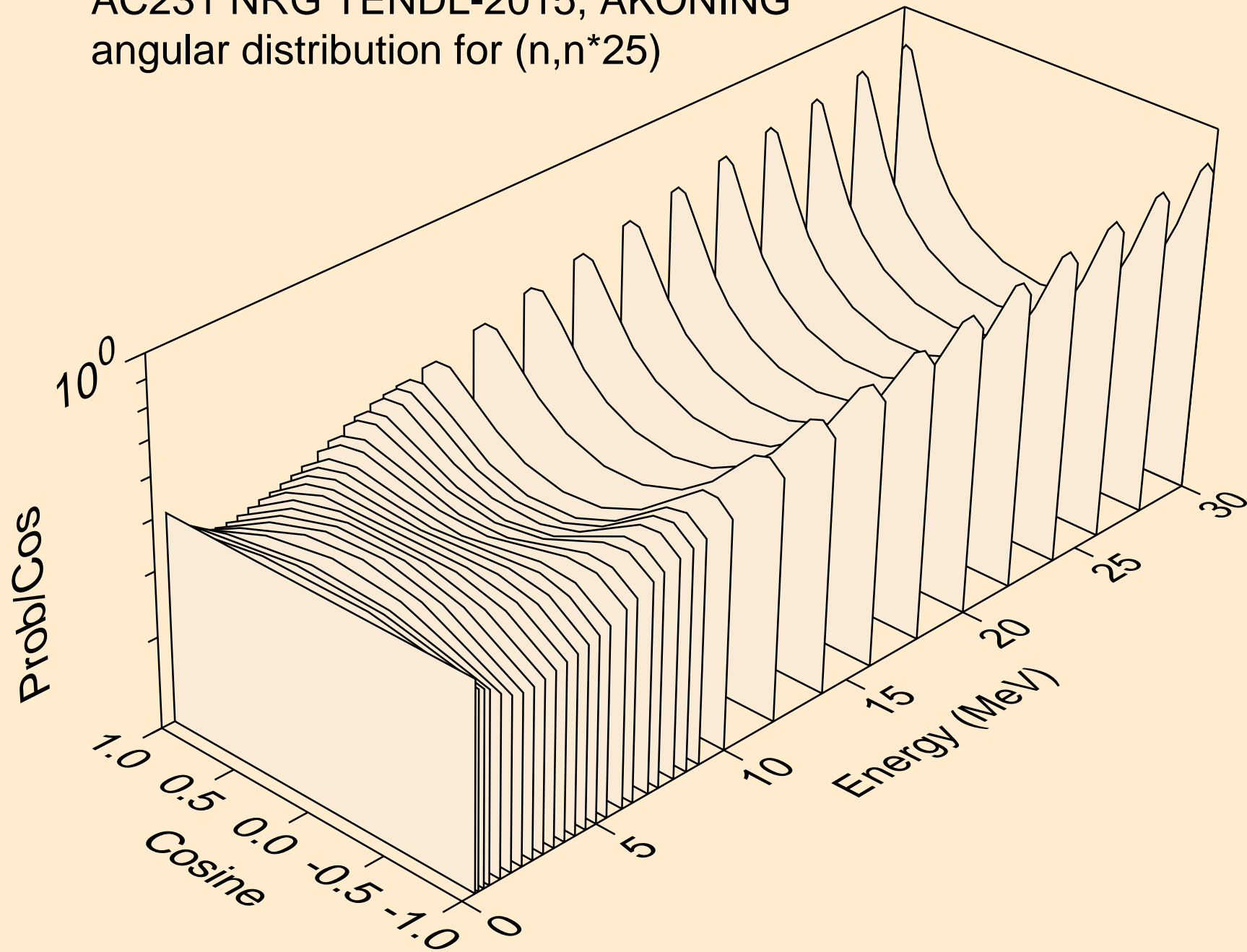


AC231 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)

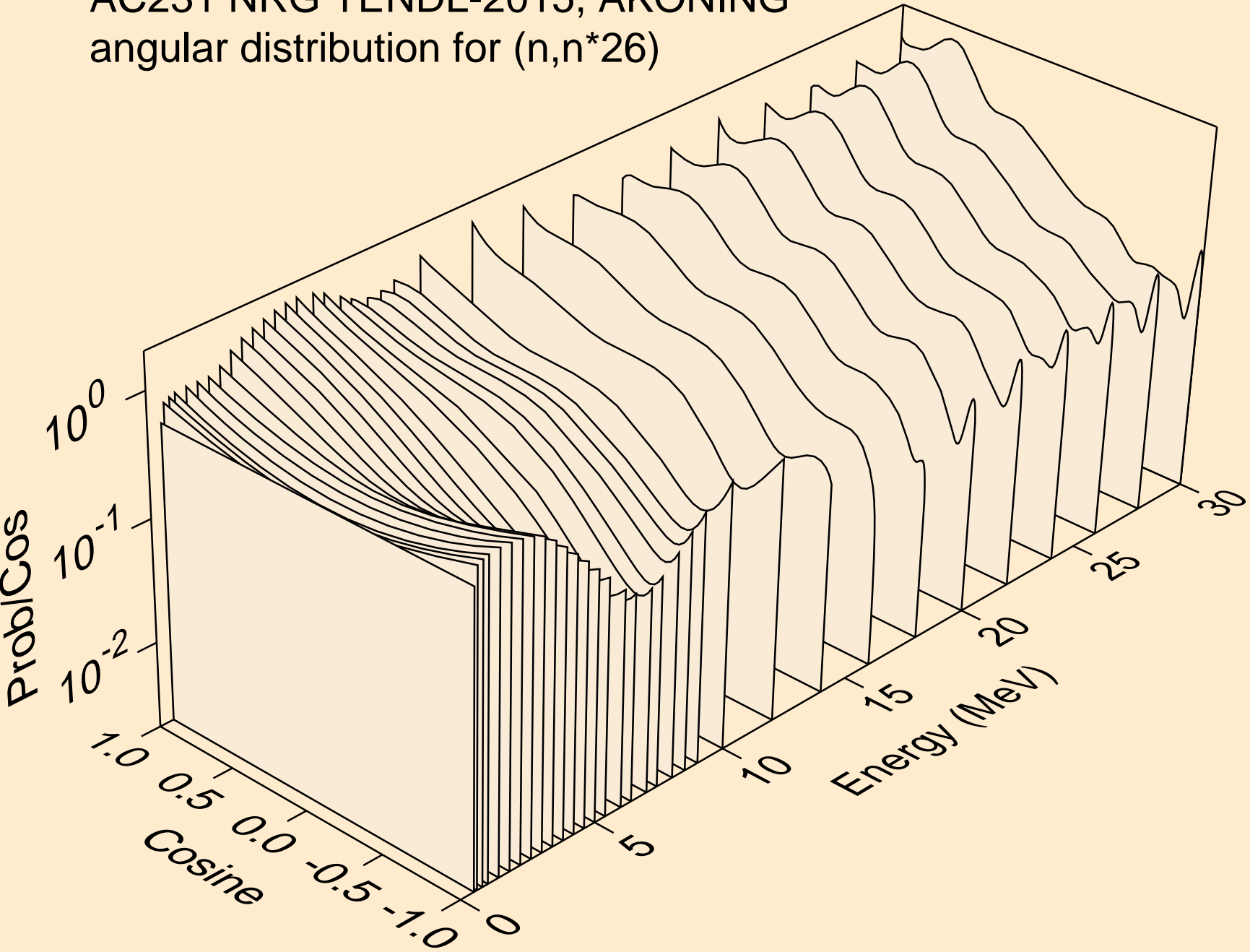




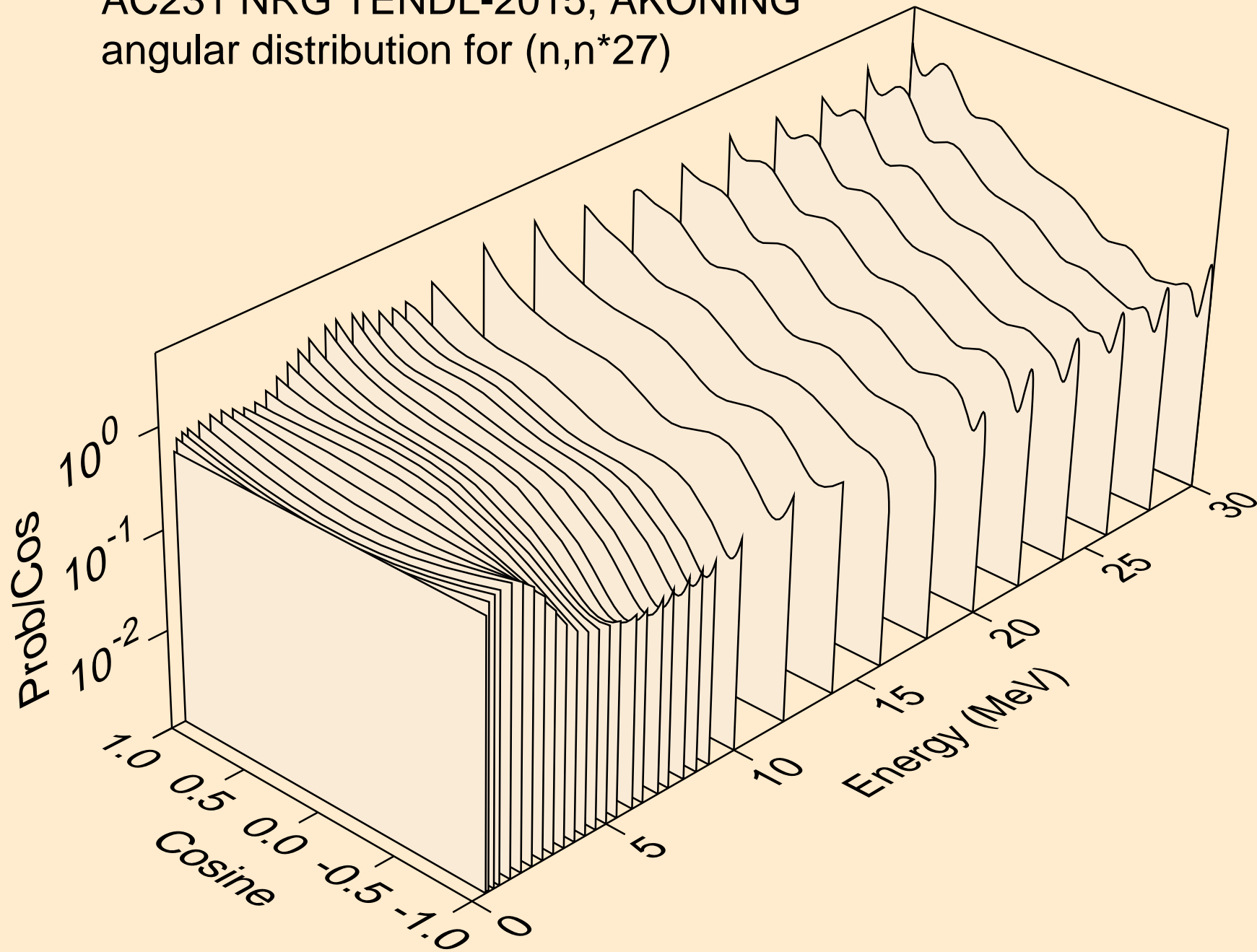
AC231 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



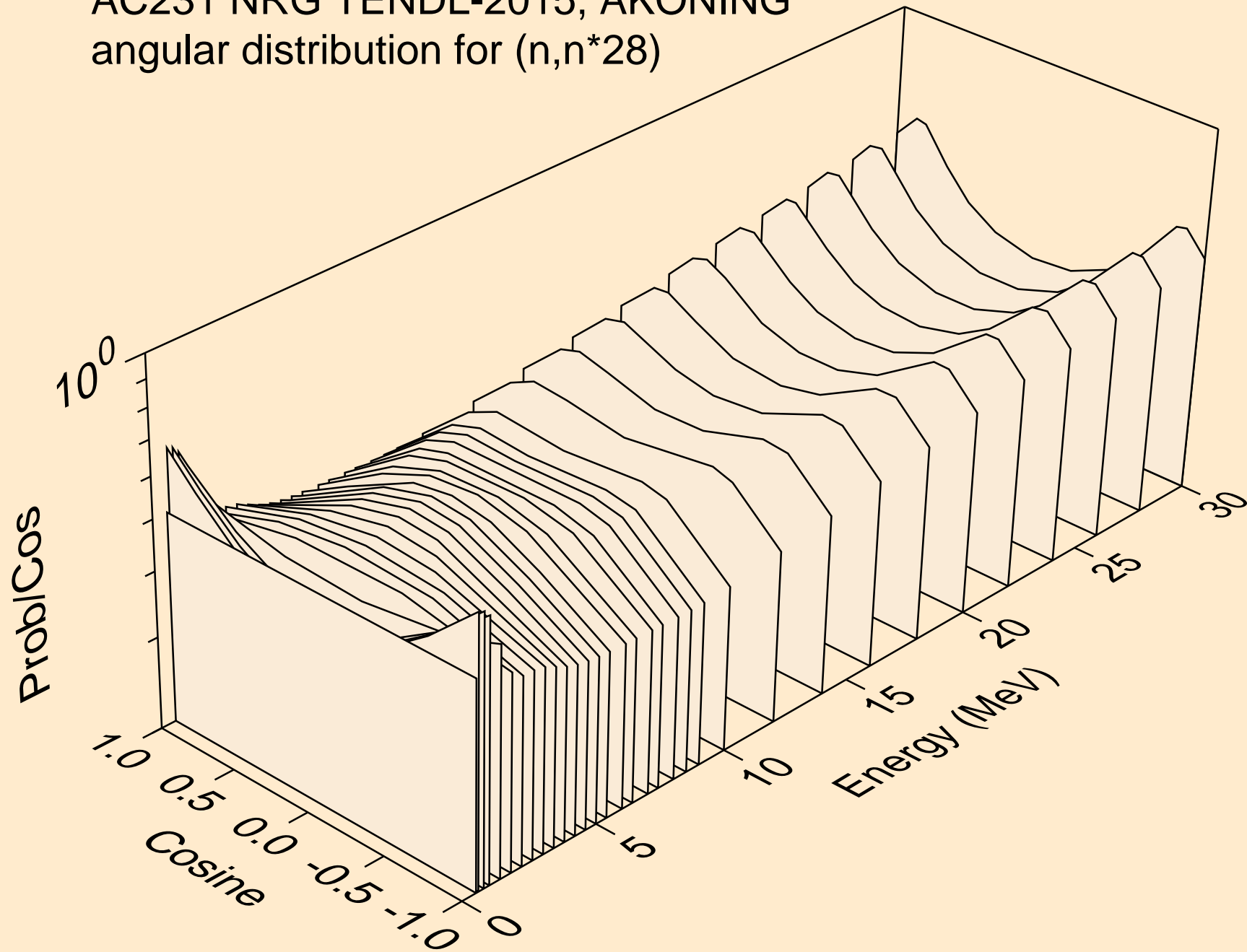
AC231 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



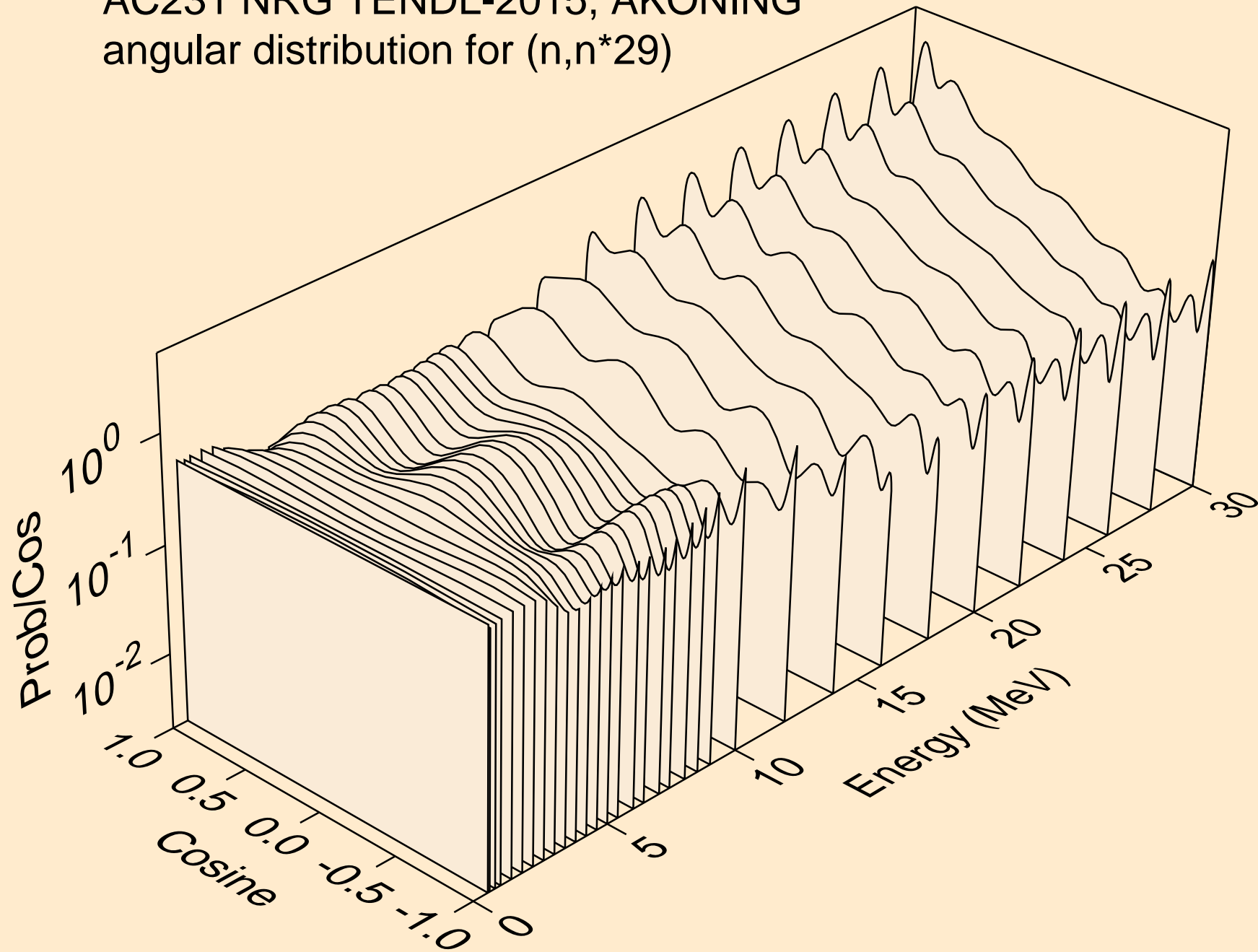
AC231 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*27)



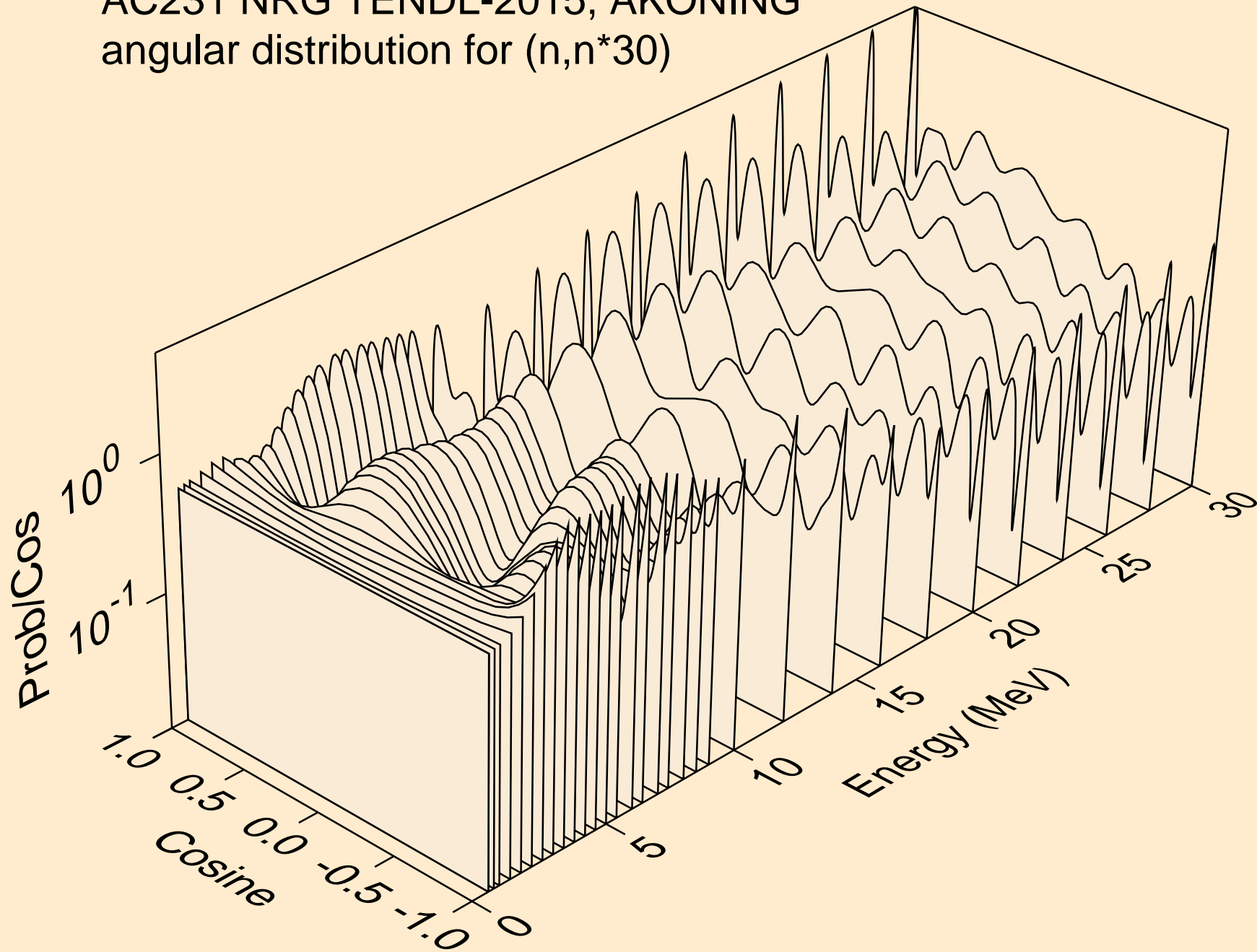
AC231 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)



AC231 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*29)

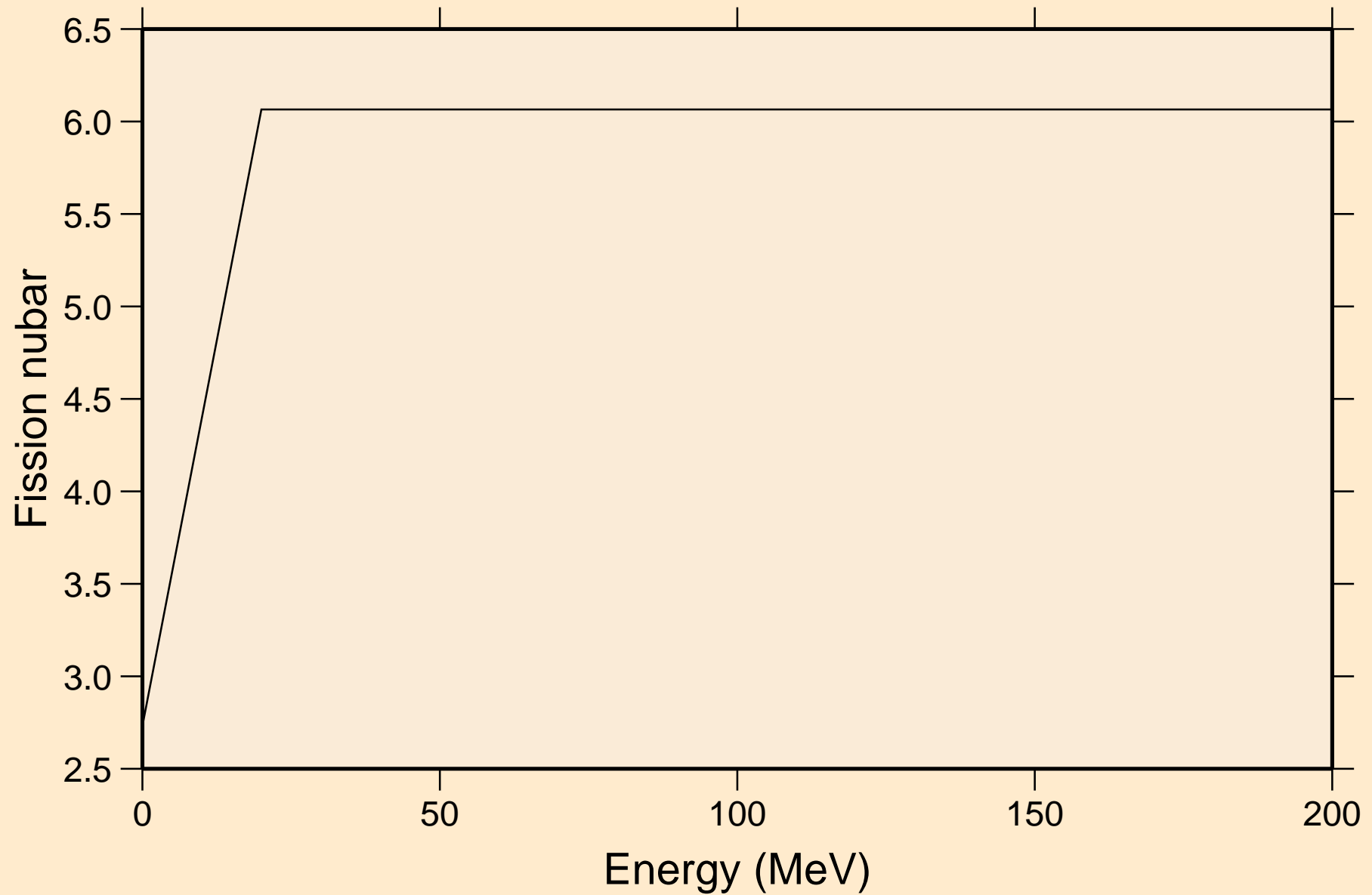


AC231 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*30)

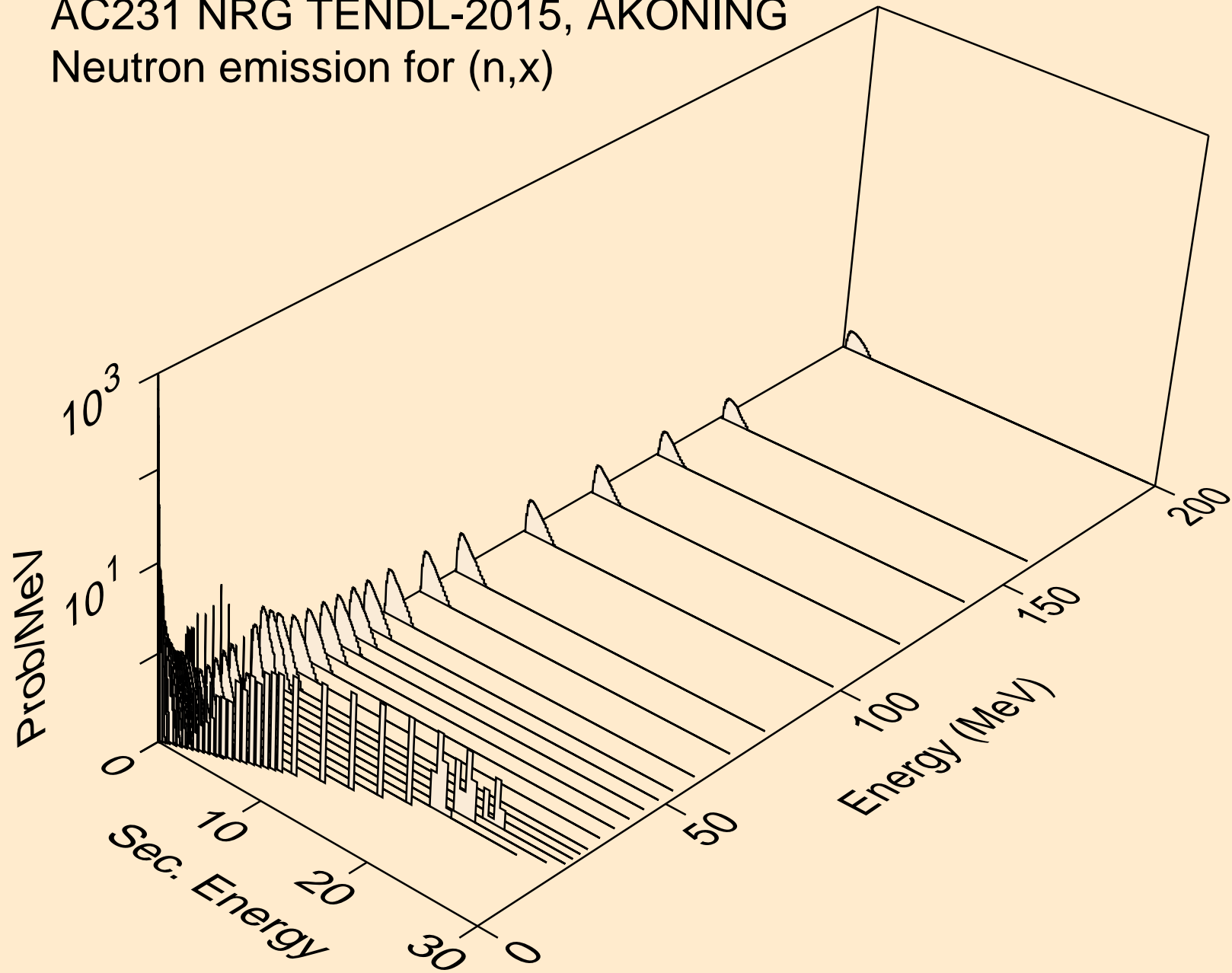


# AC231 NRG TENDL-2015, AKONING

Total fission nubar

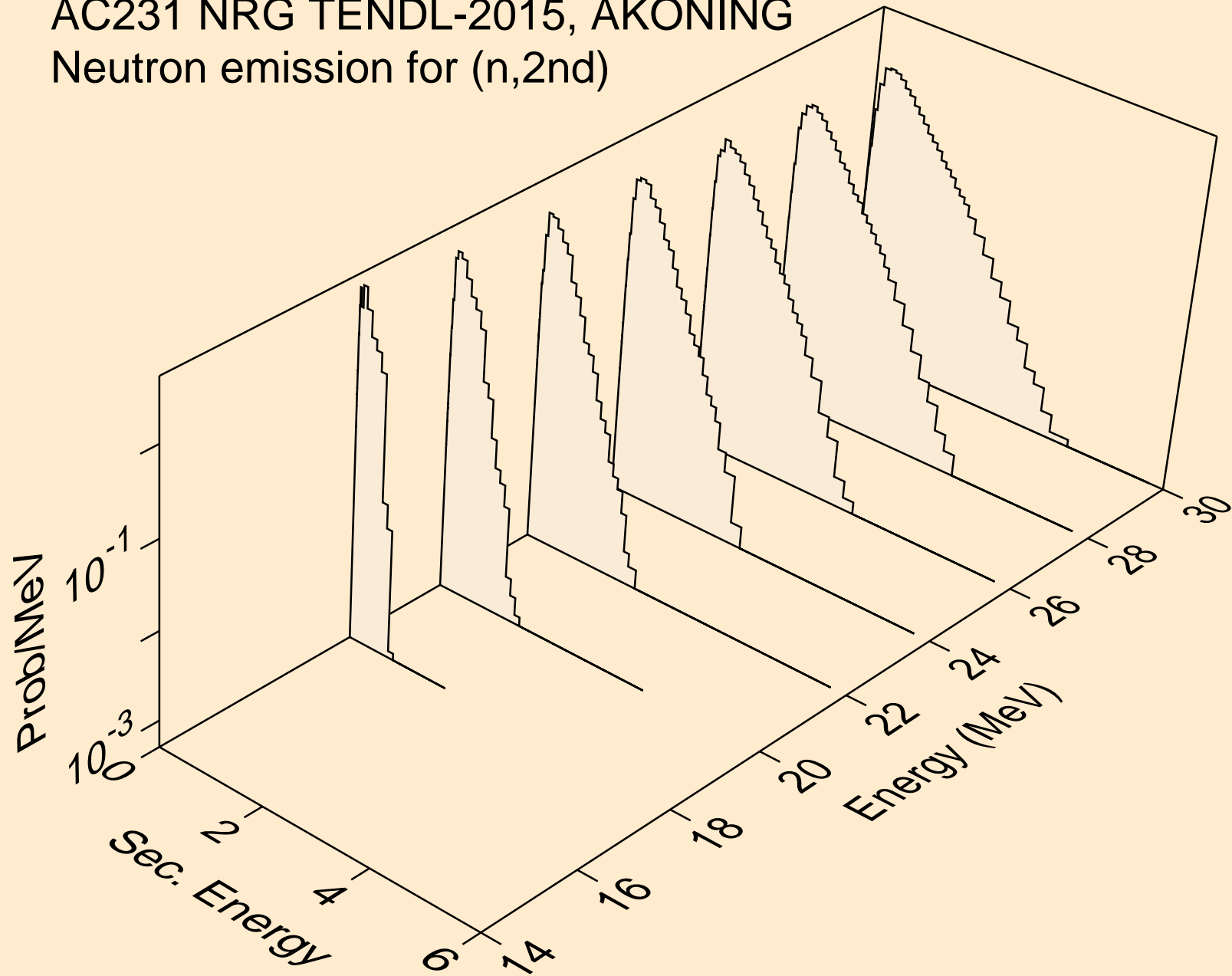


AC231 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)

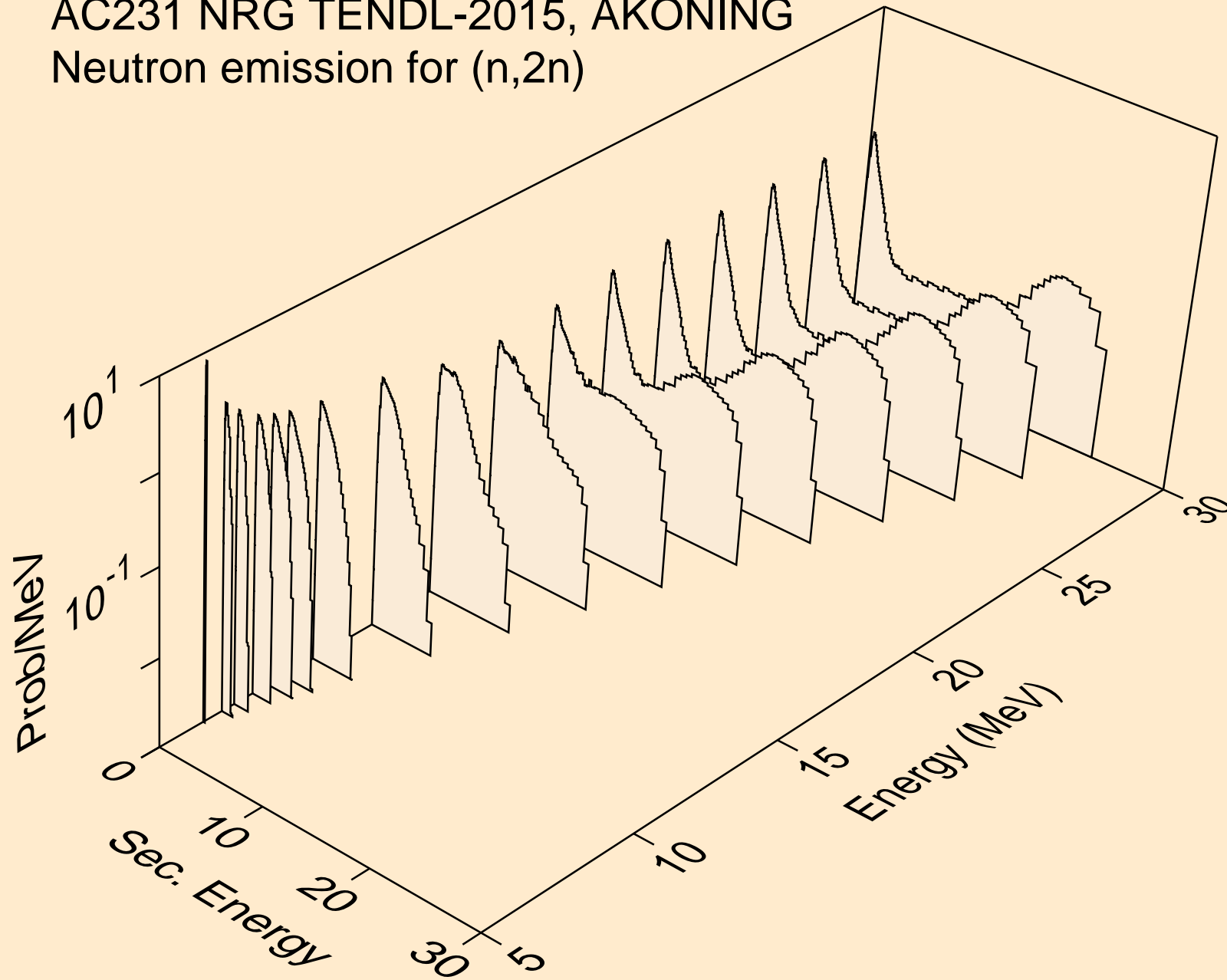




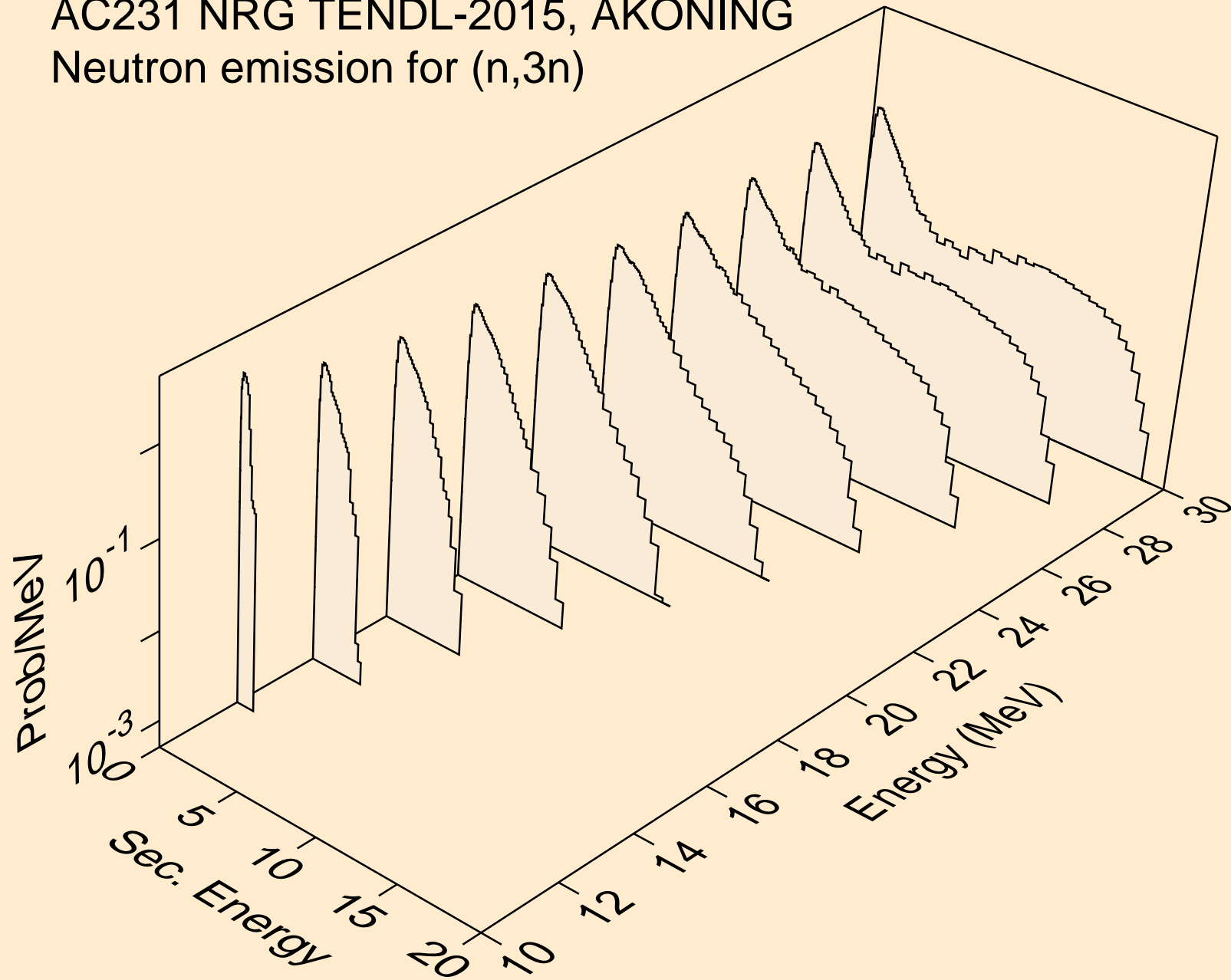
AC231 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



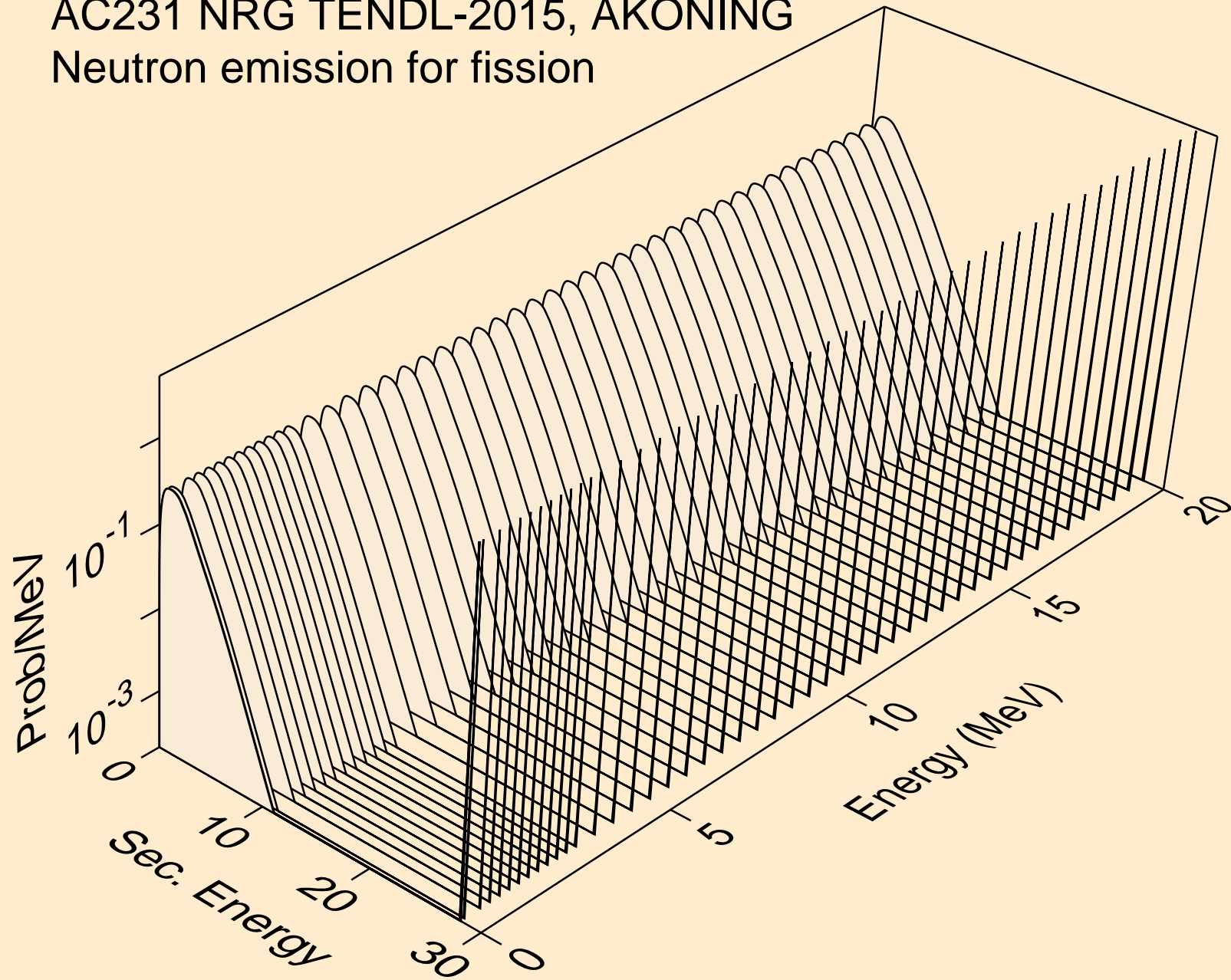
AC231 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



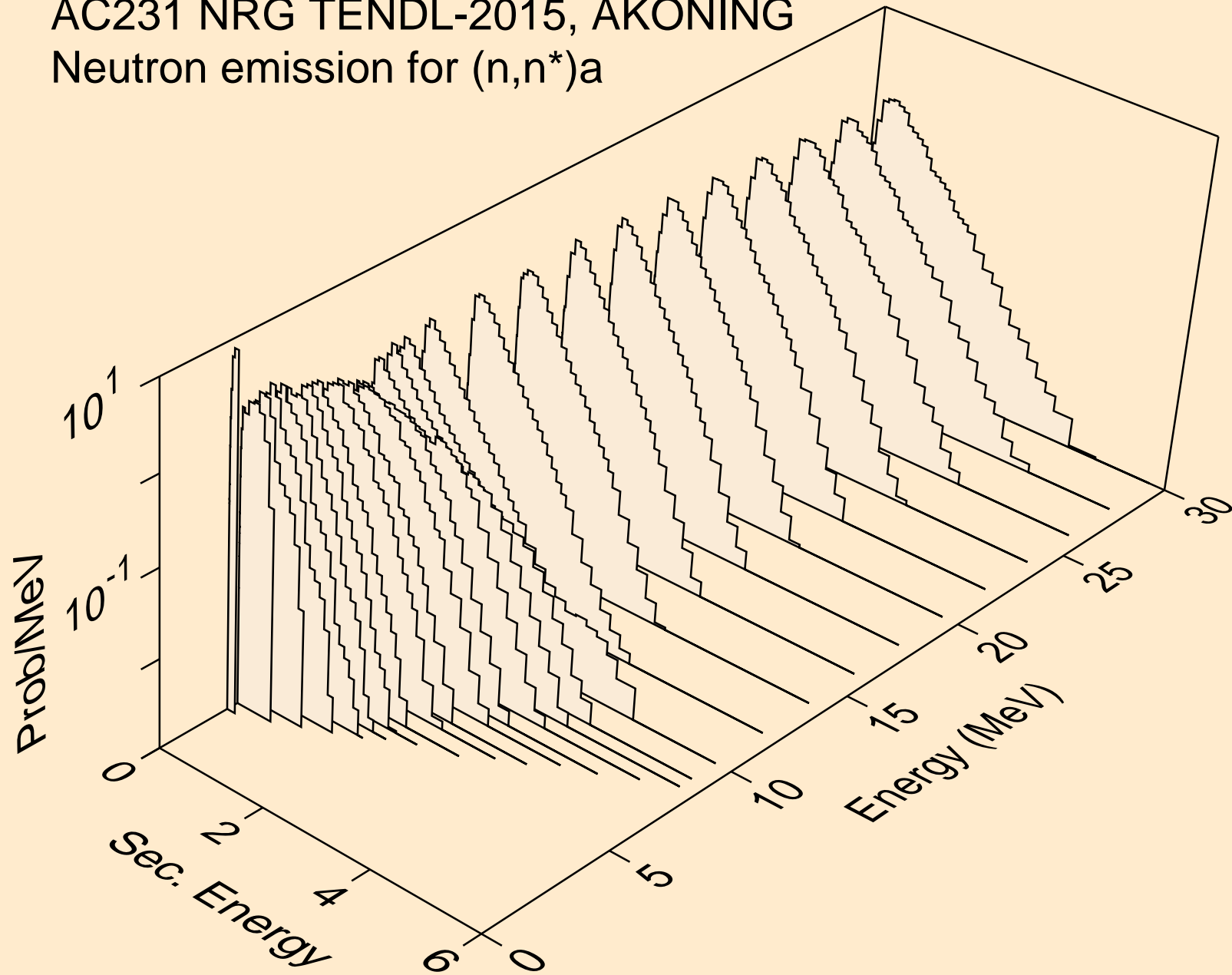
AC231 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



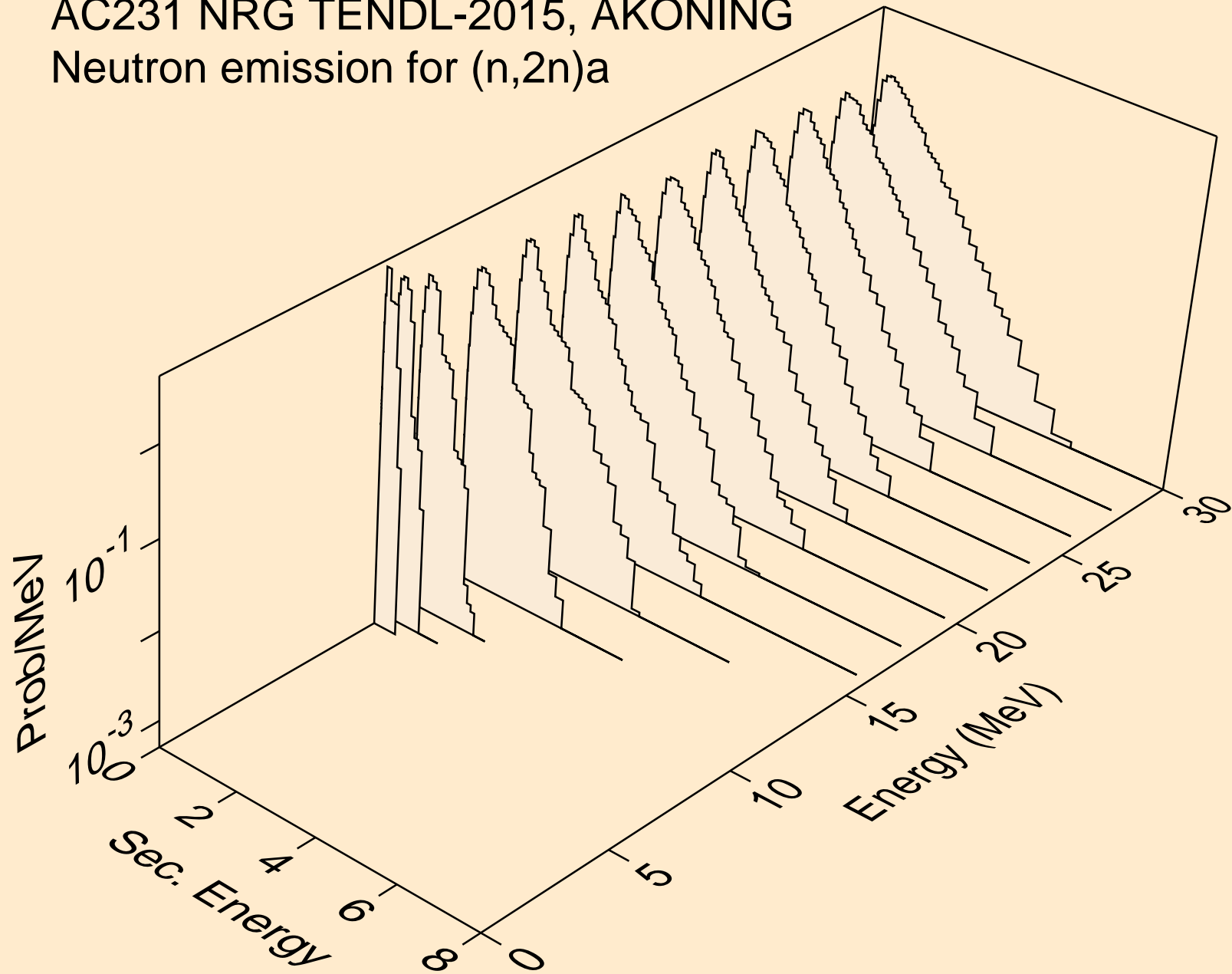
AC231 NRG TENDL-2015, AKONING  
Neutron emission for fission



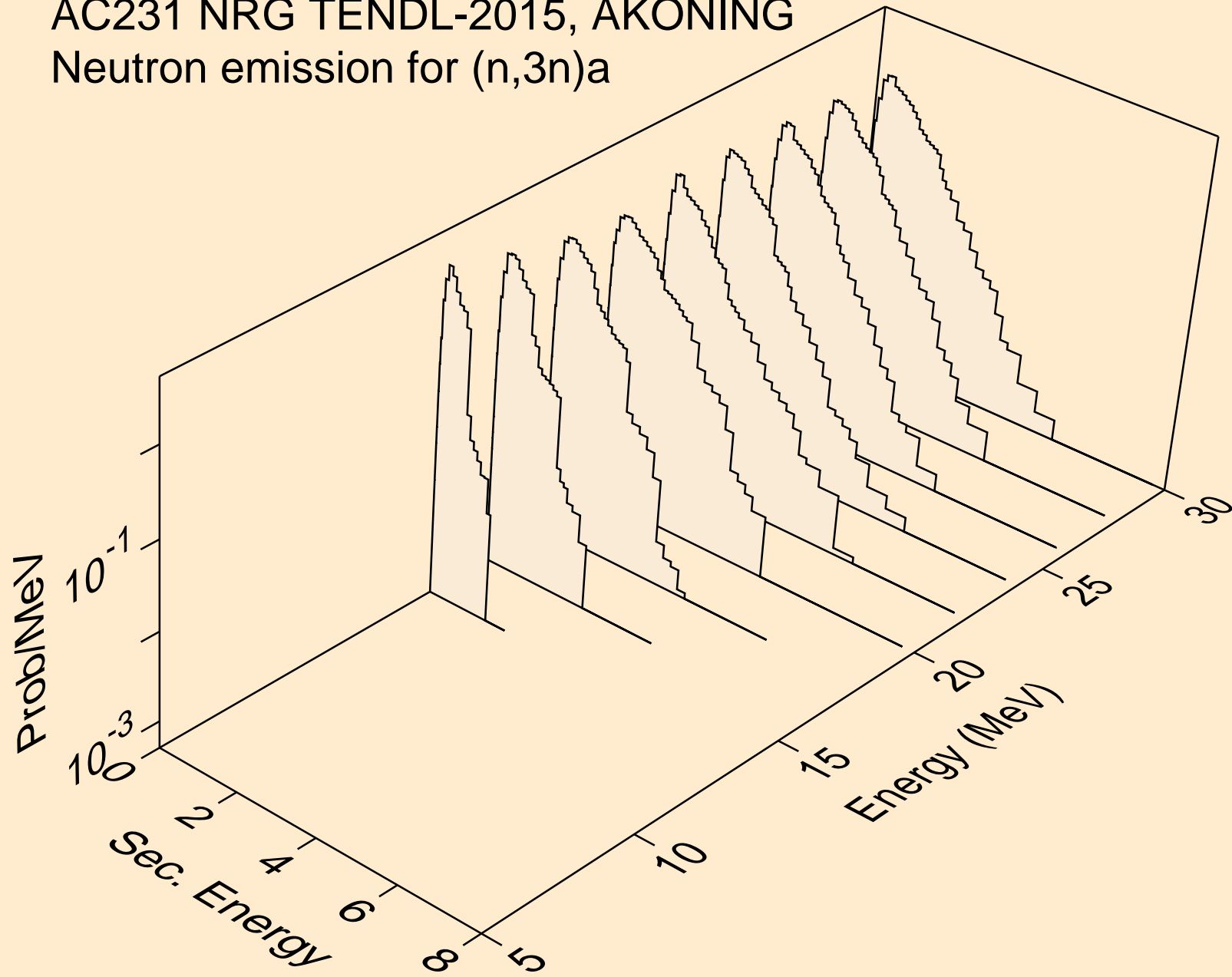
AC231 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



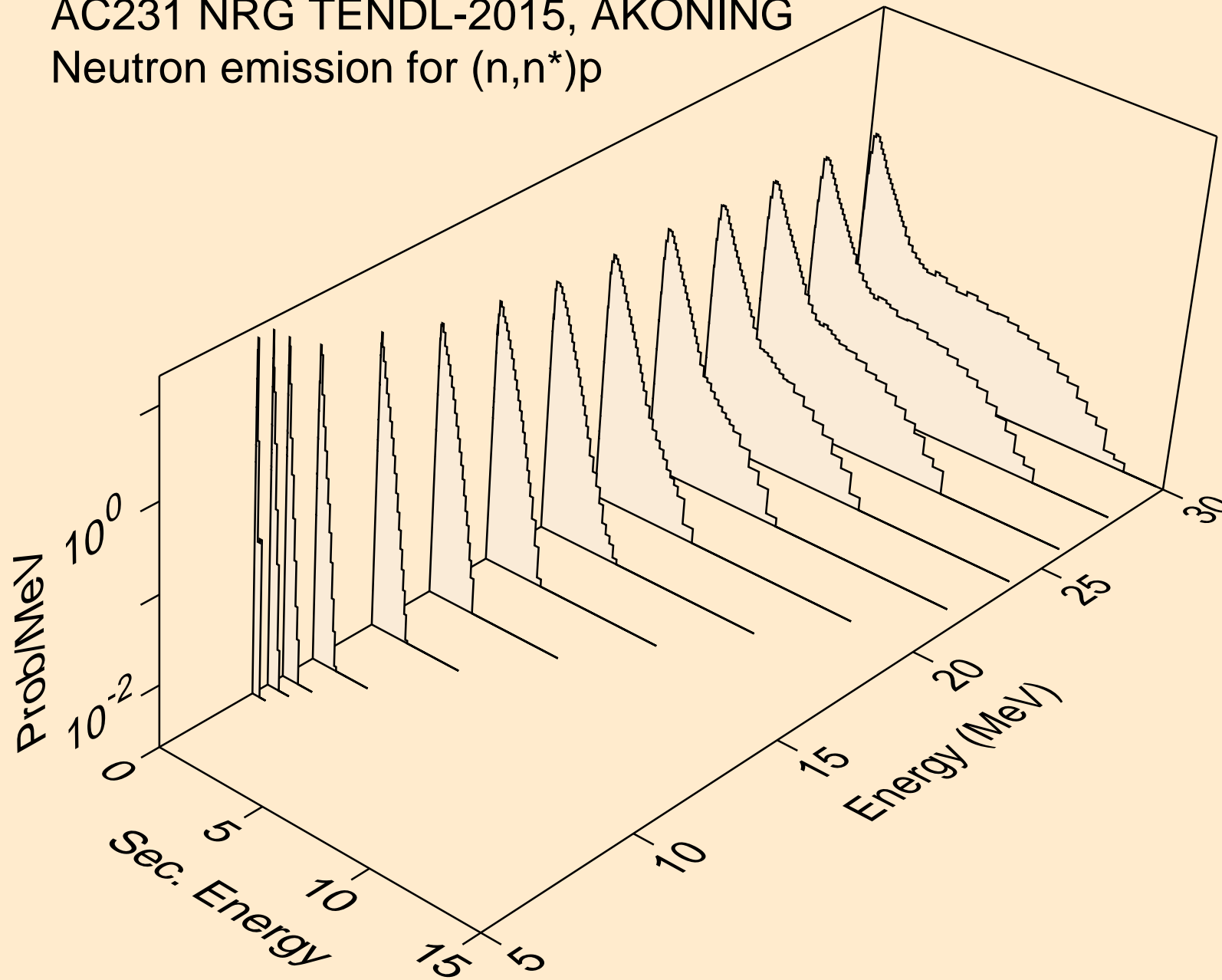
AC231 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



AC231 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a

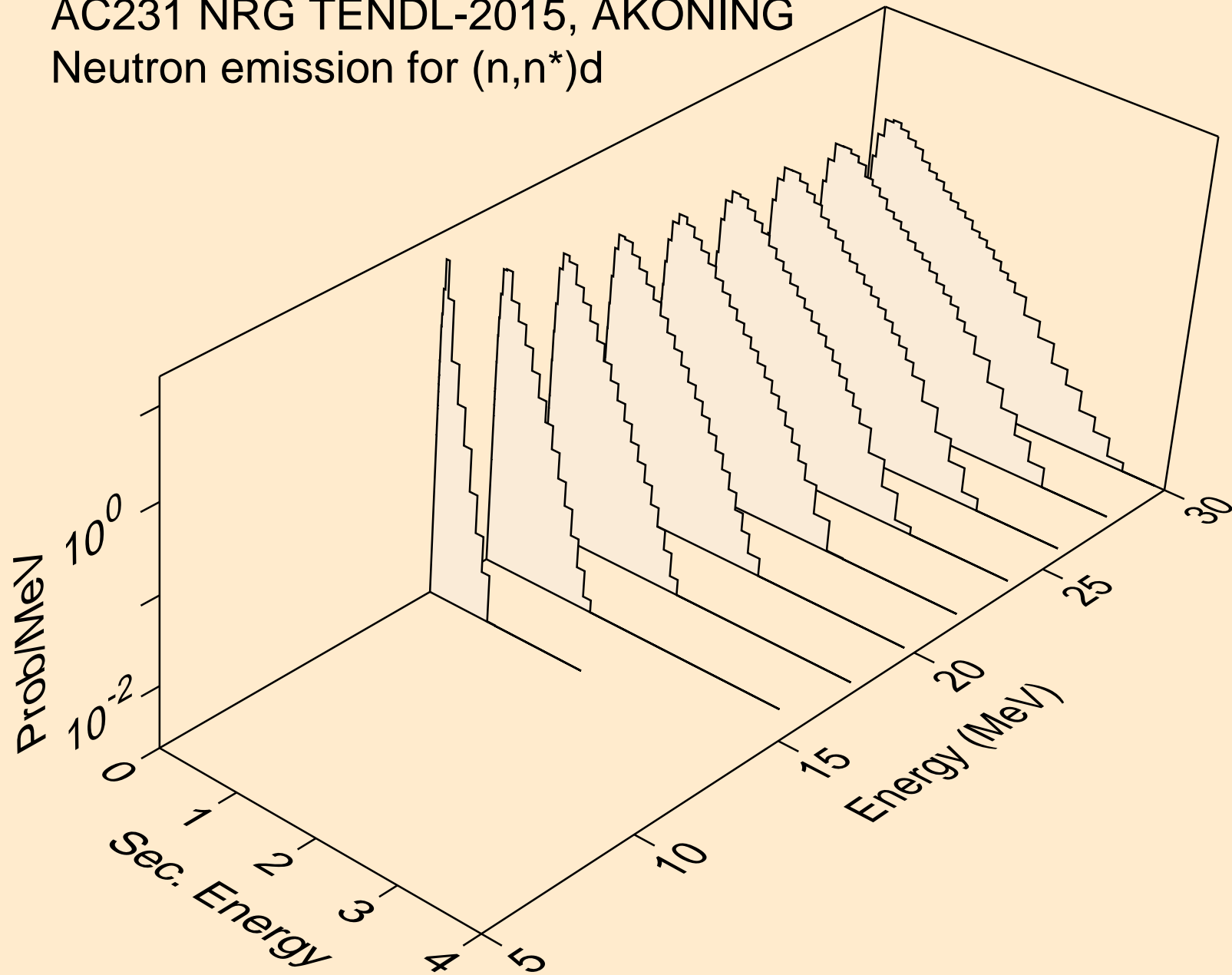


AC231 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p

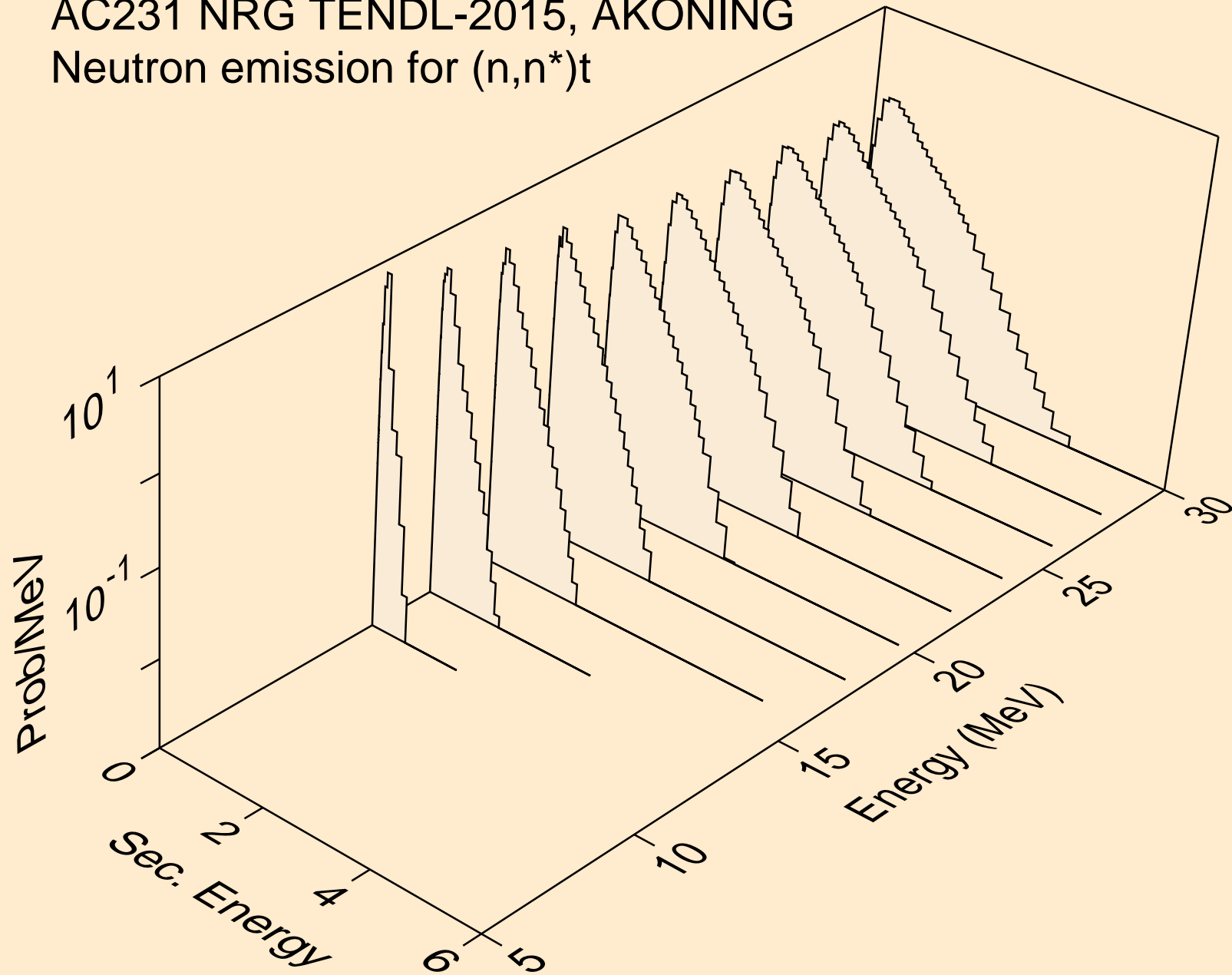




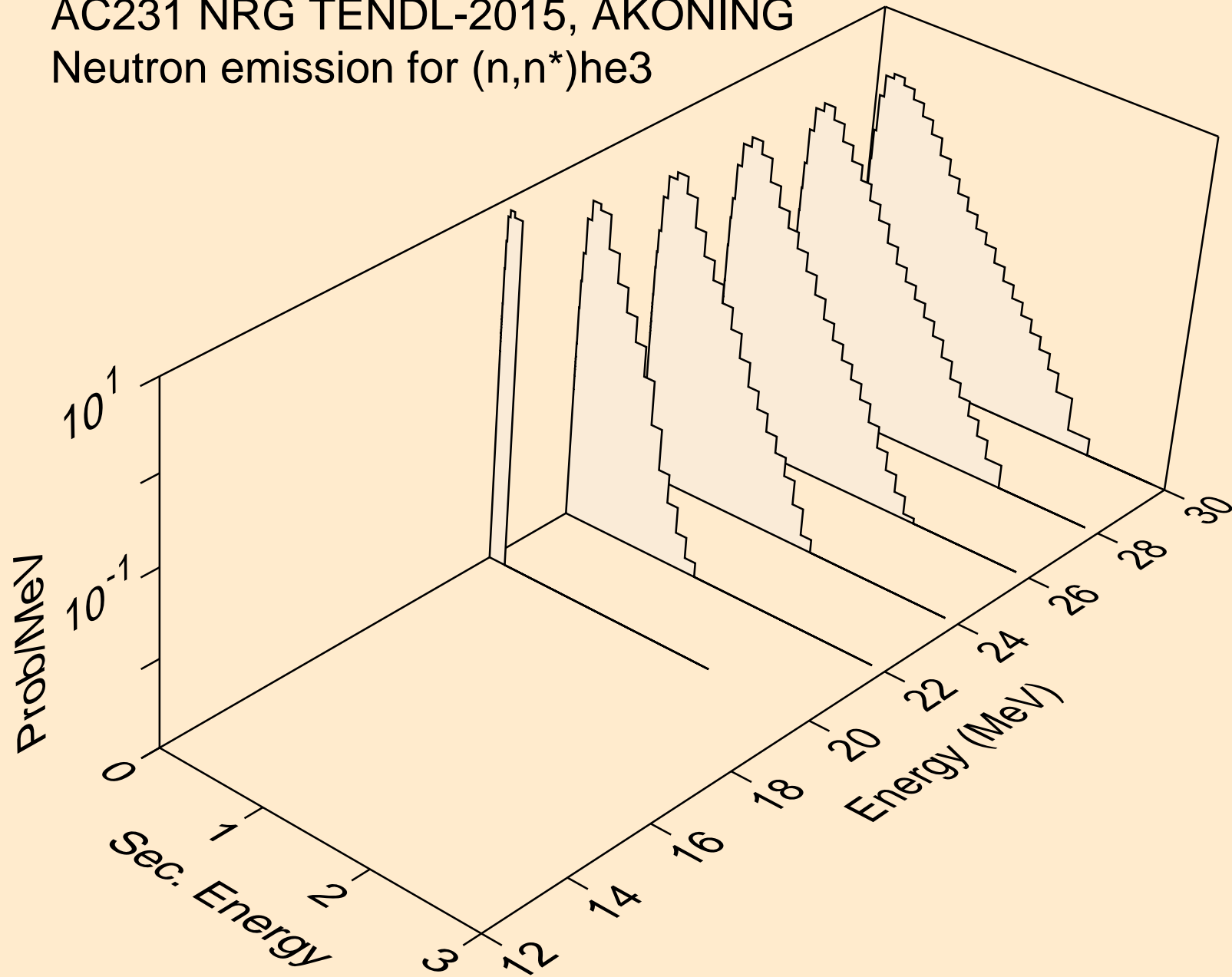
AC231 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



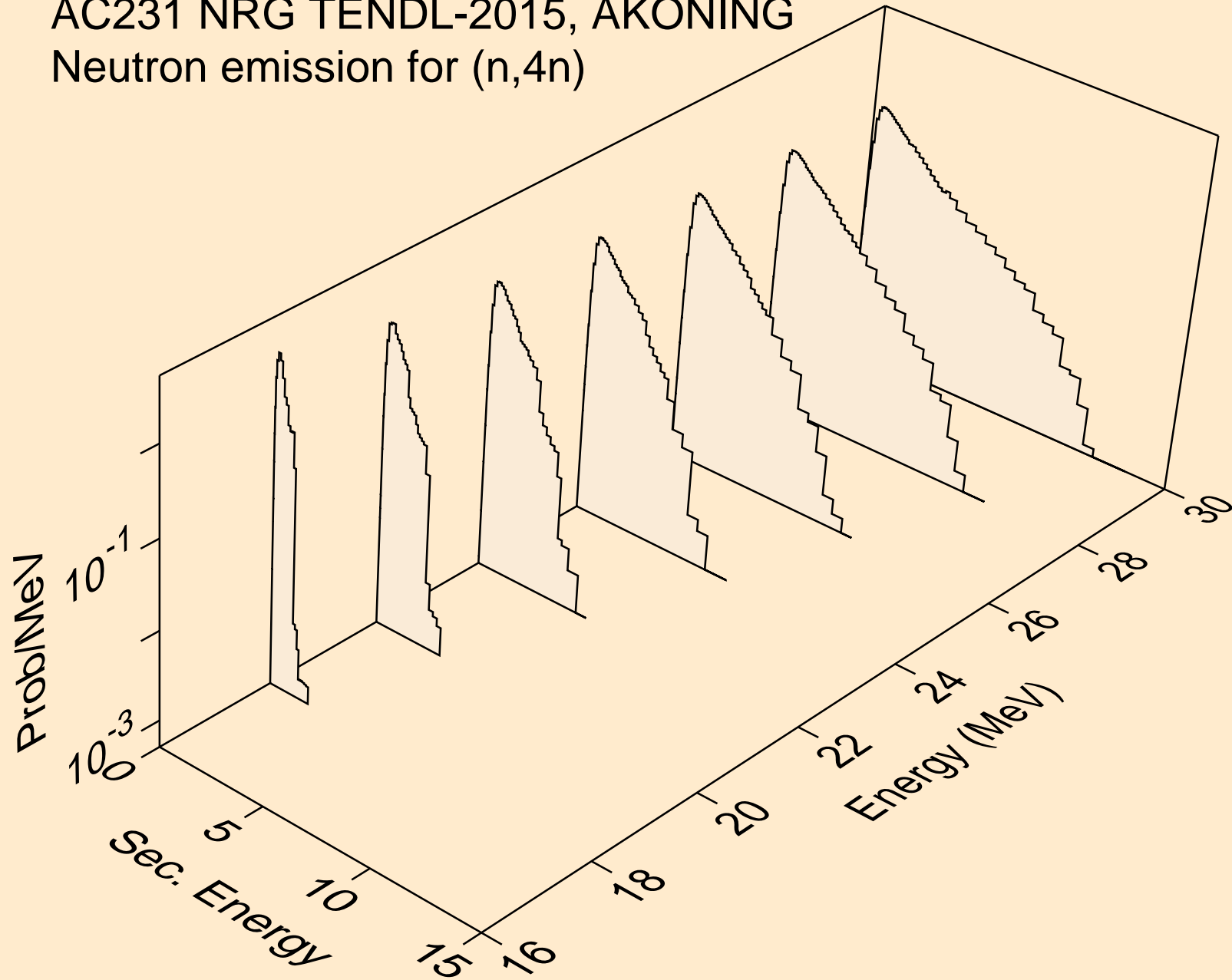
AC231 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



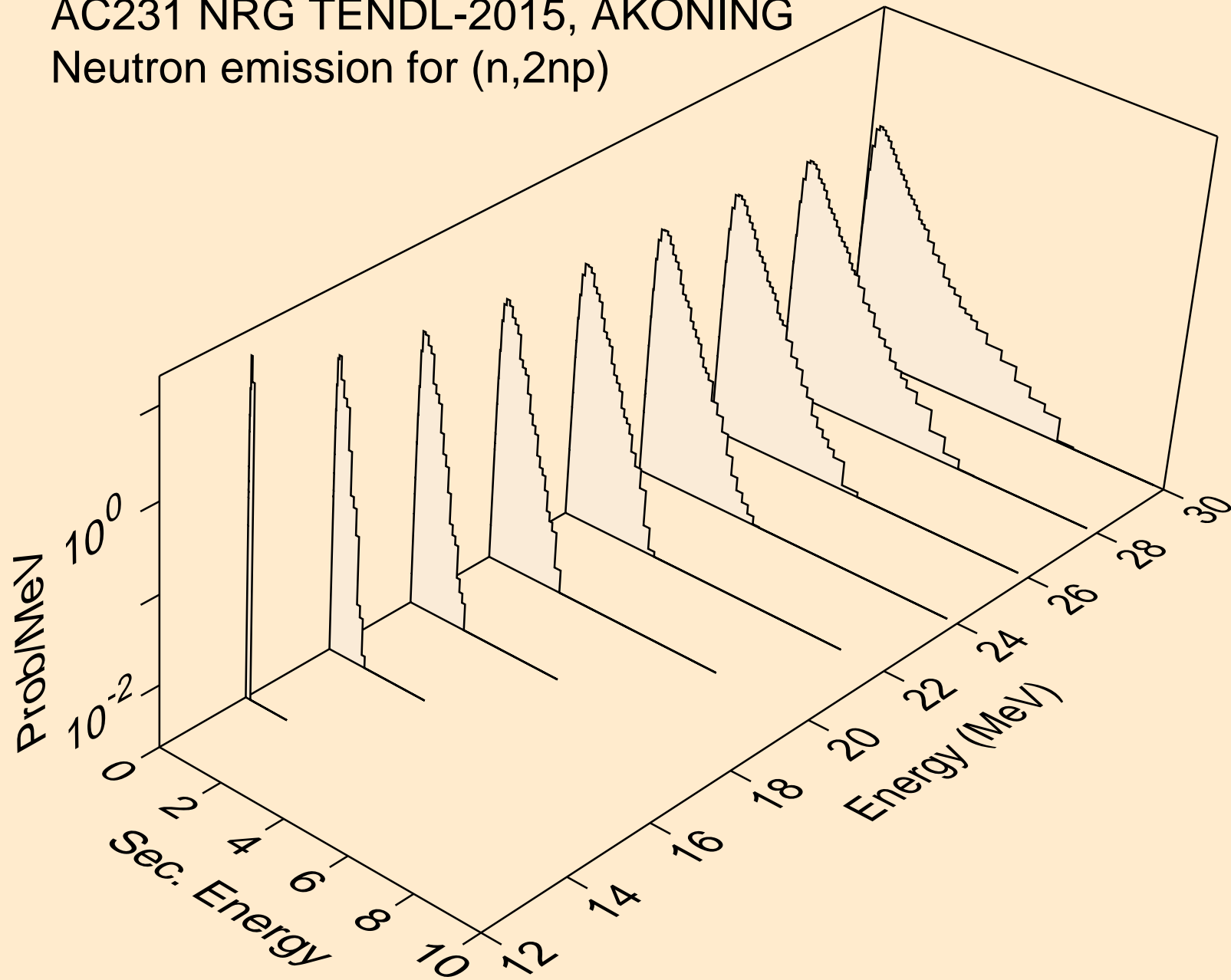
AC231 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



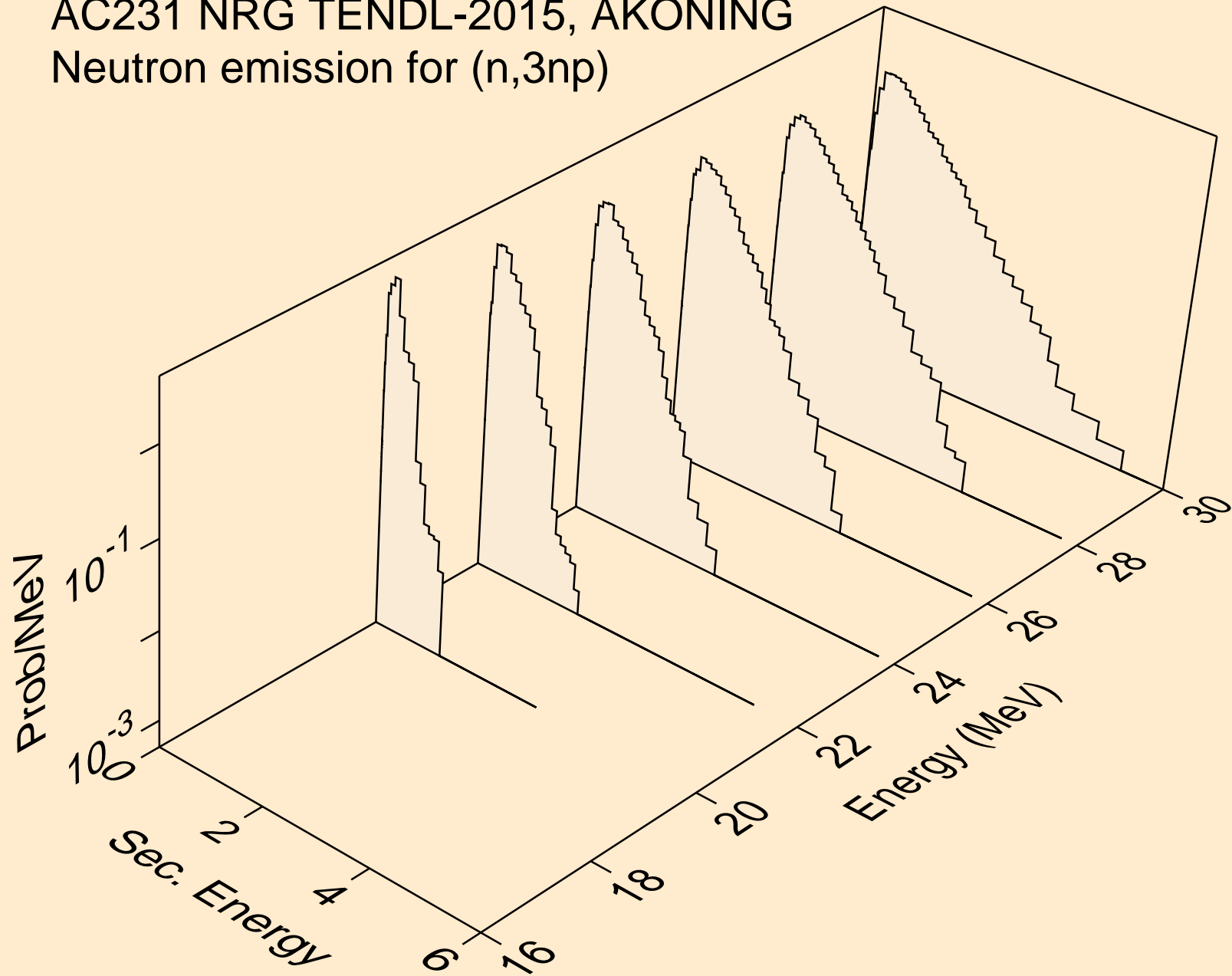
AC231 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



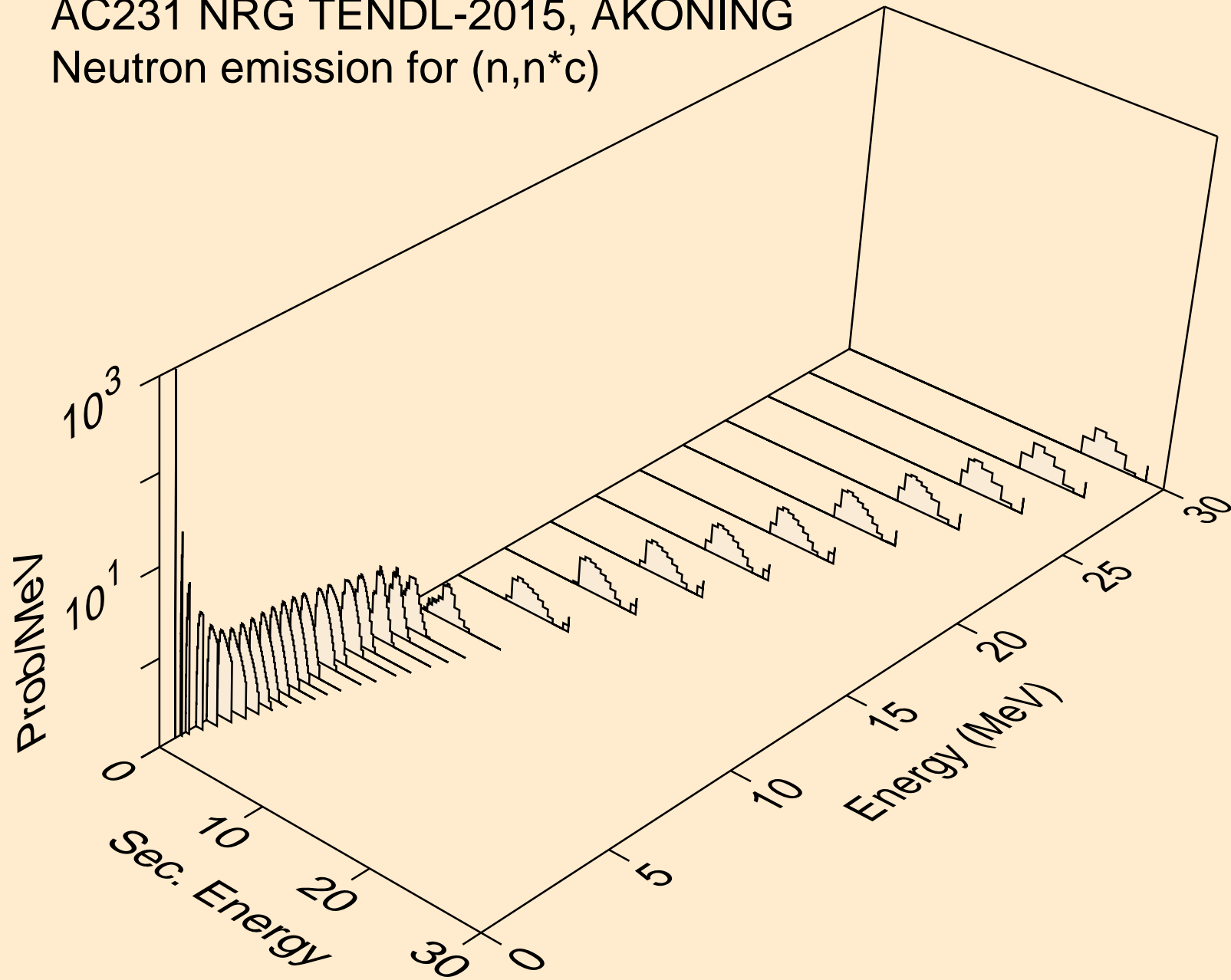
AC231 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



AC231 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)

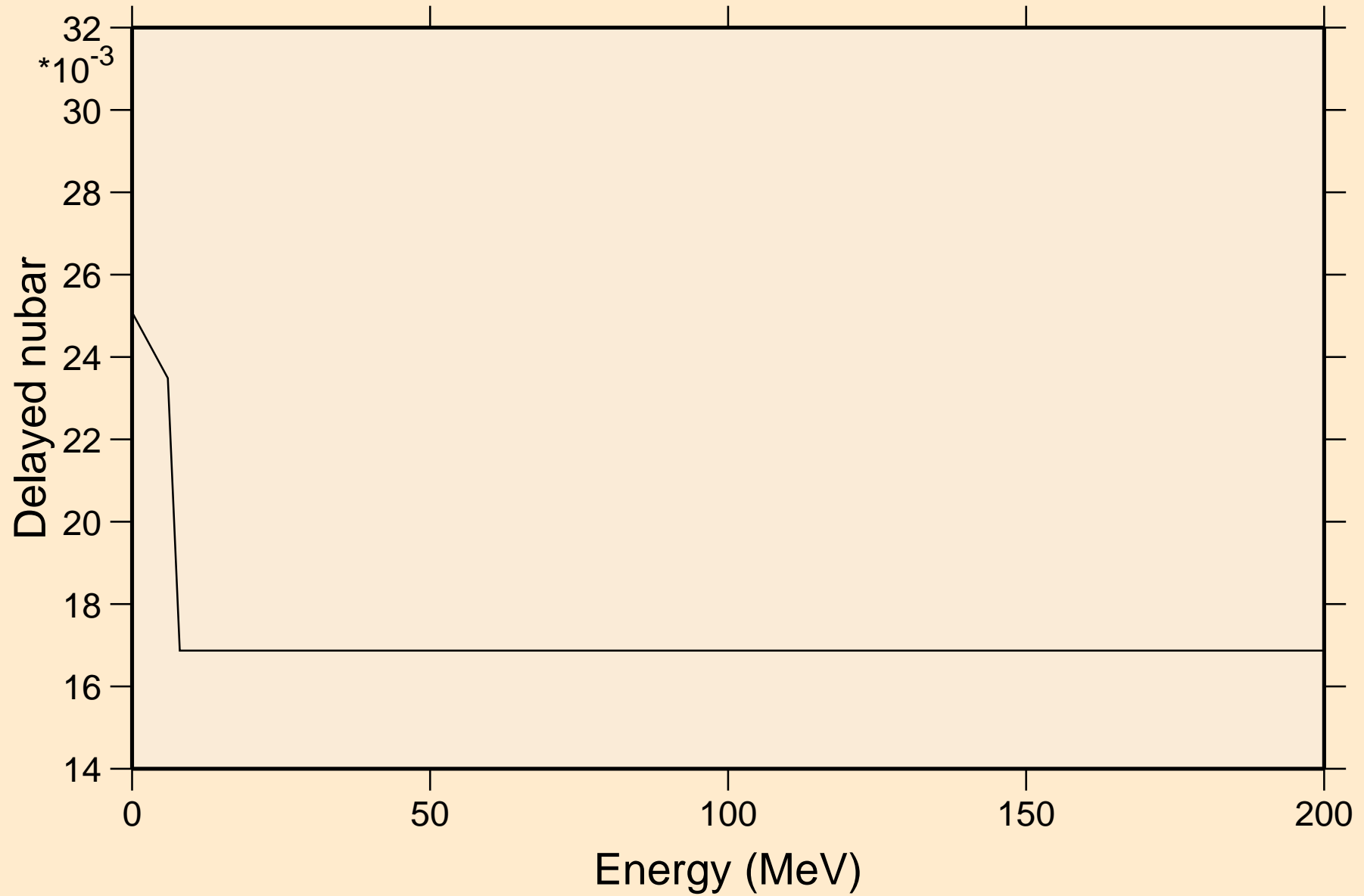


AC231 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



# AC231 NRG TENDL-2015, AKONING

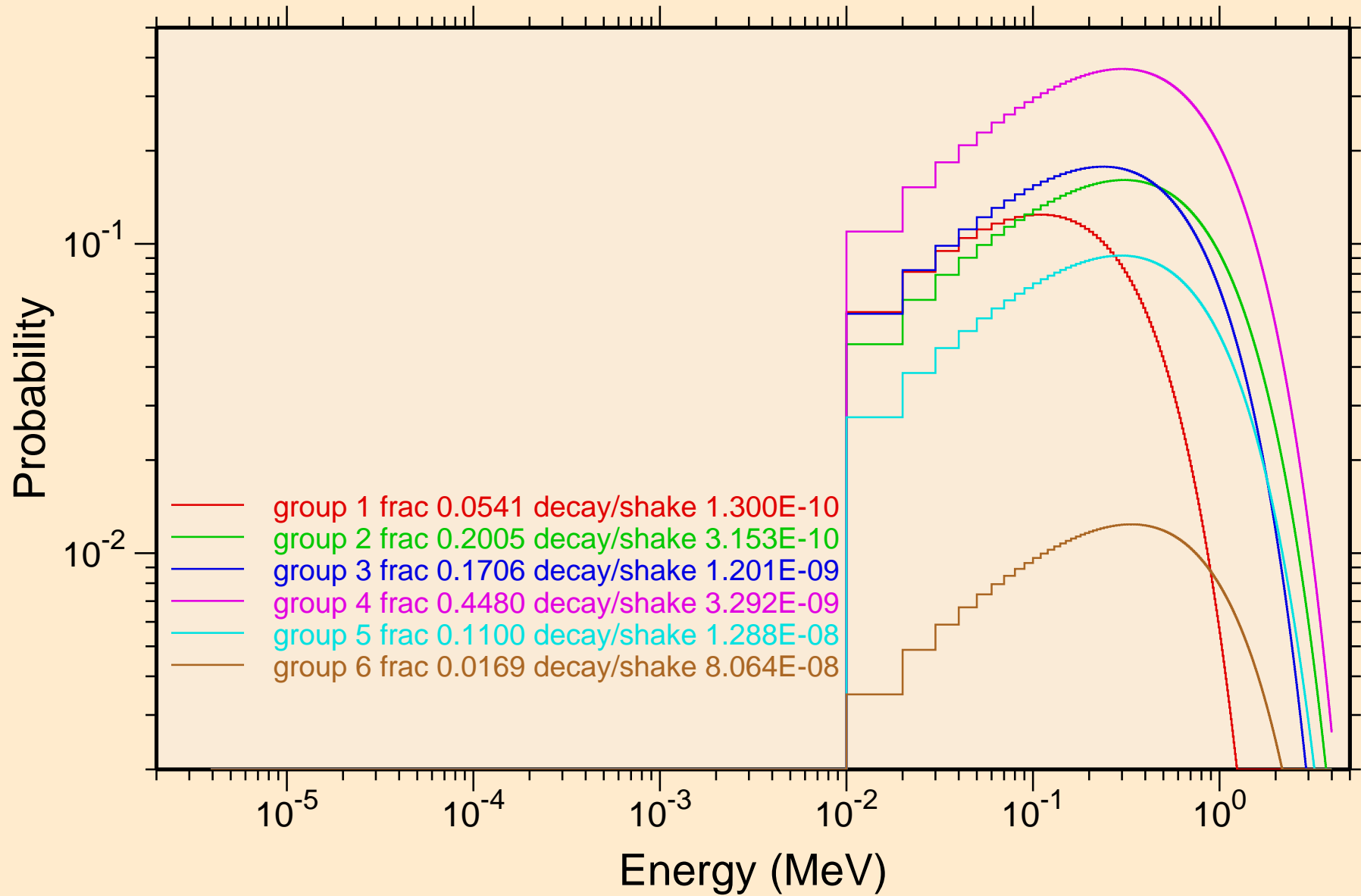
Delayed nubar



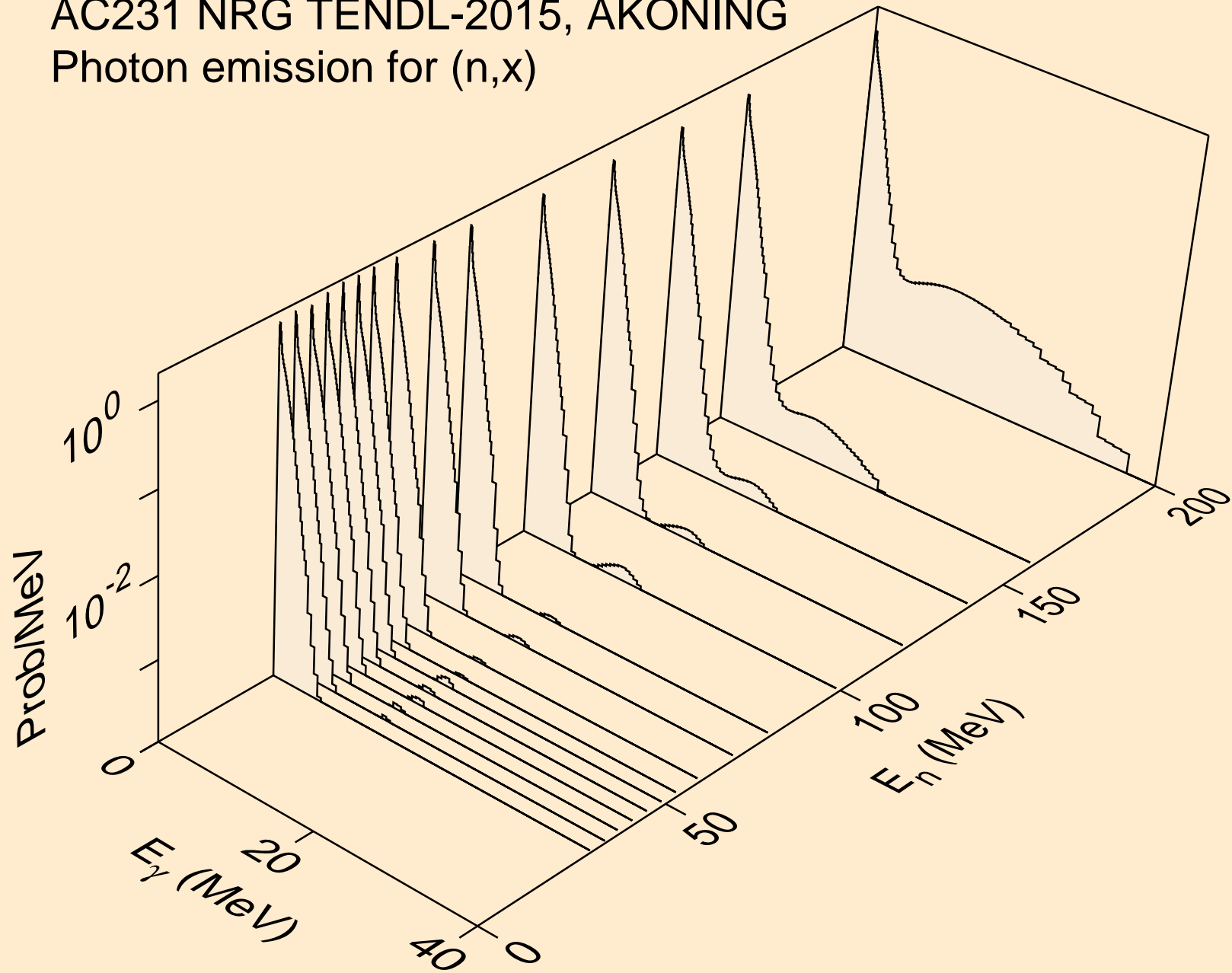


# AC231 NRG TENDL-2015, AKONING

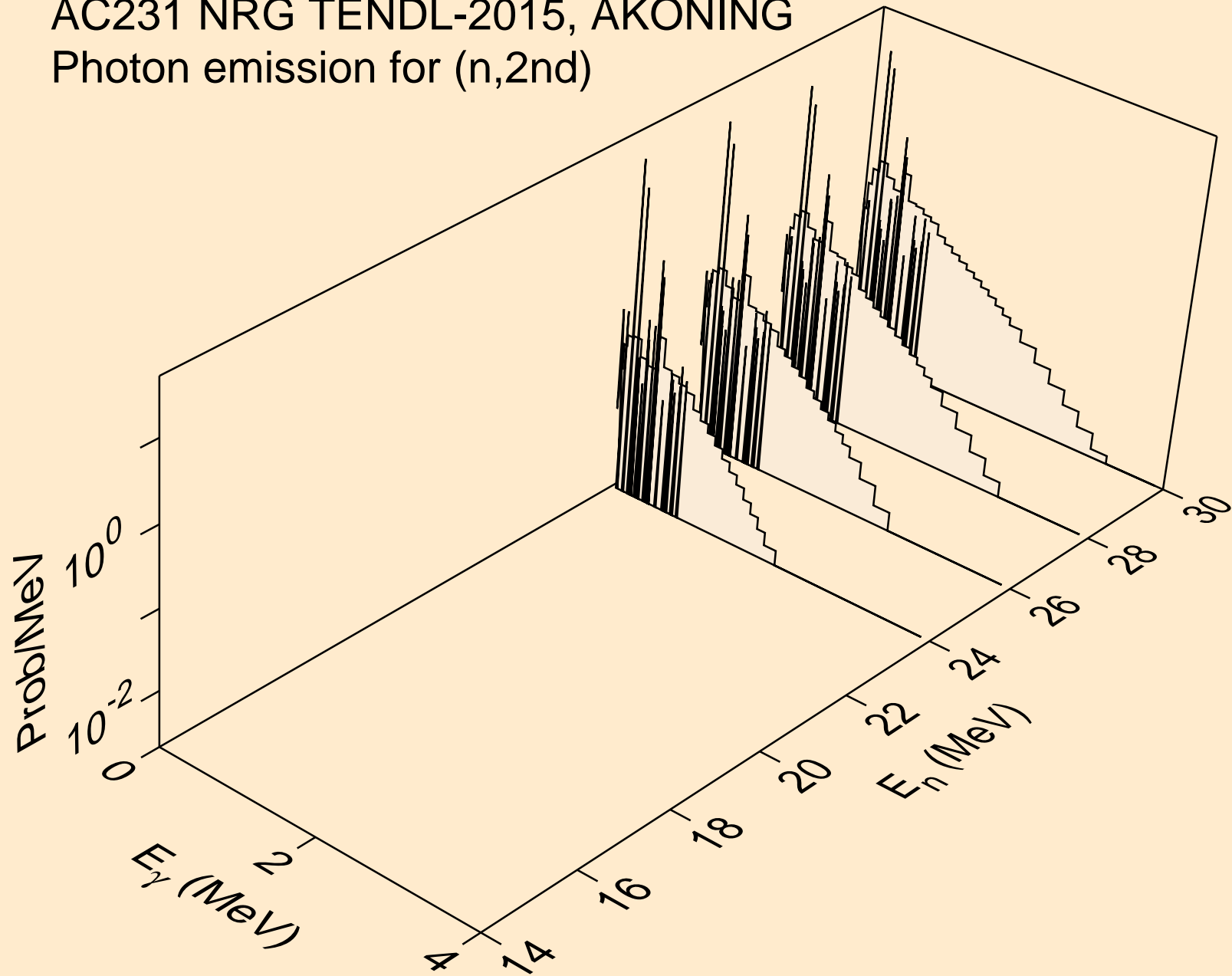
## Delayed neutron spectra



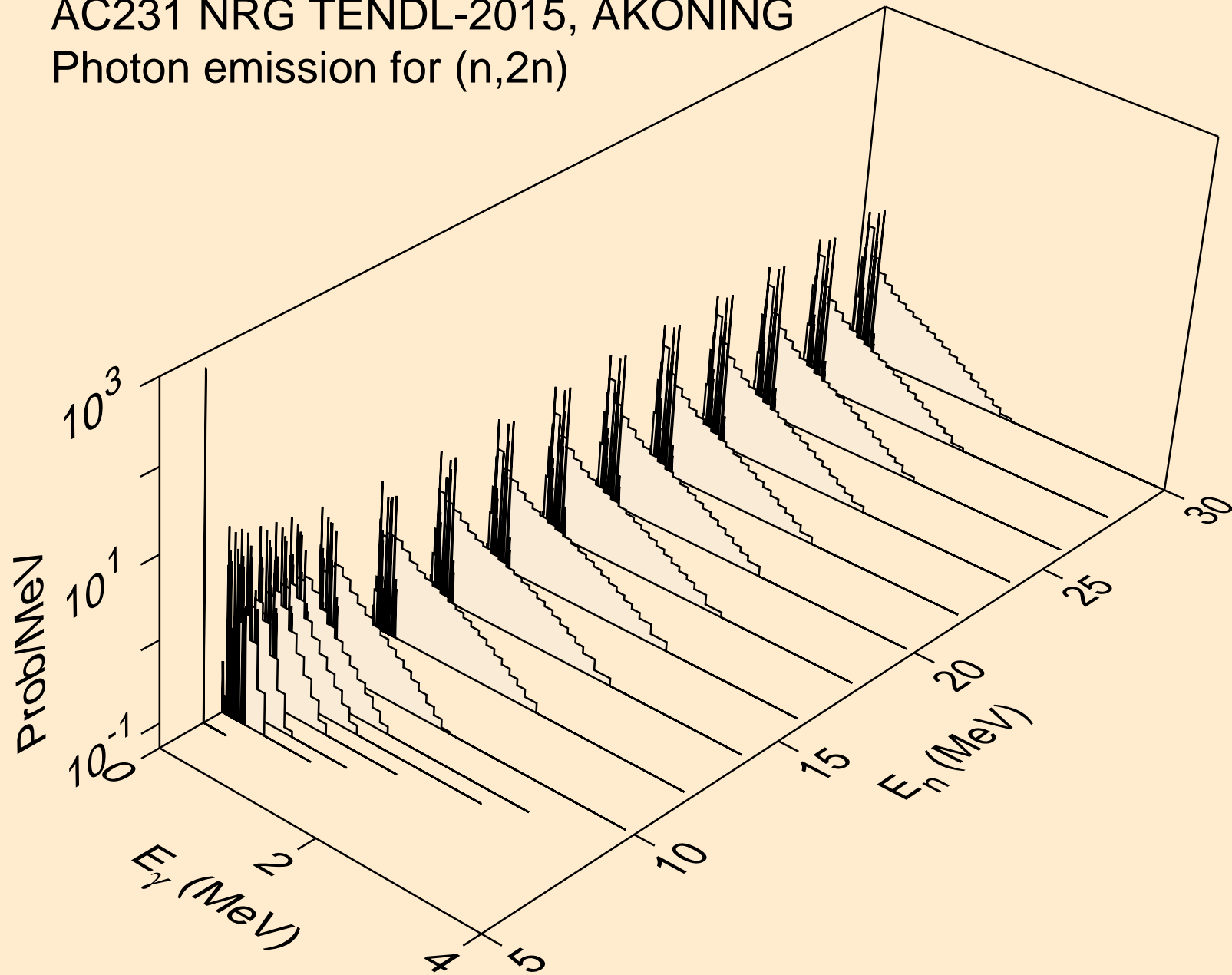
AC231 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



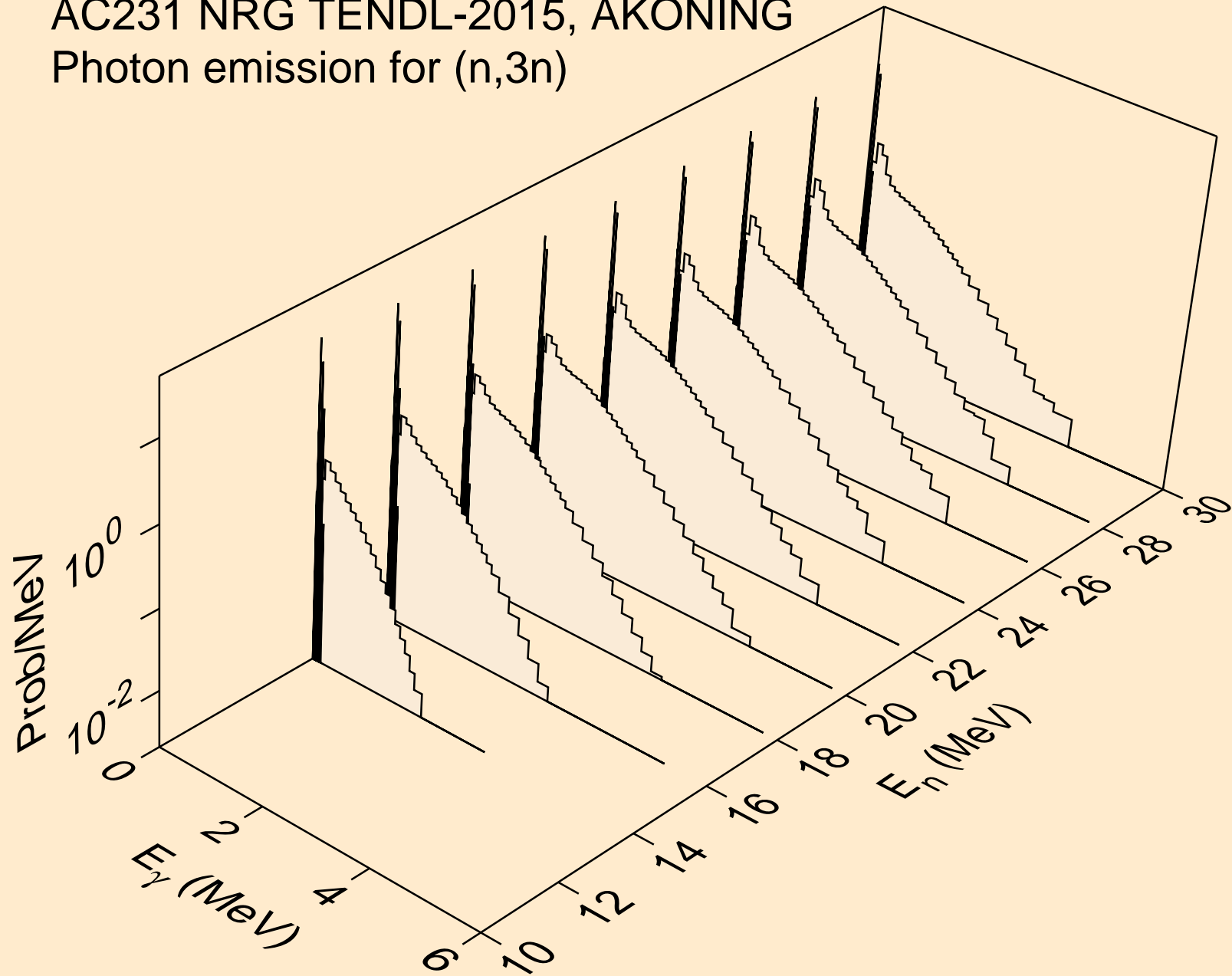
AC231 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



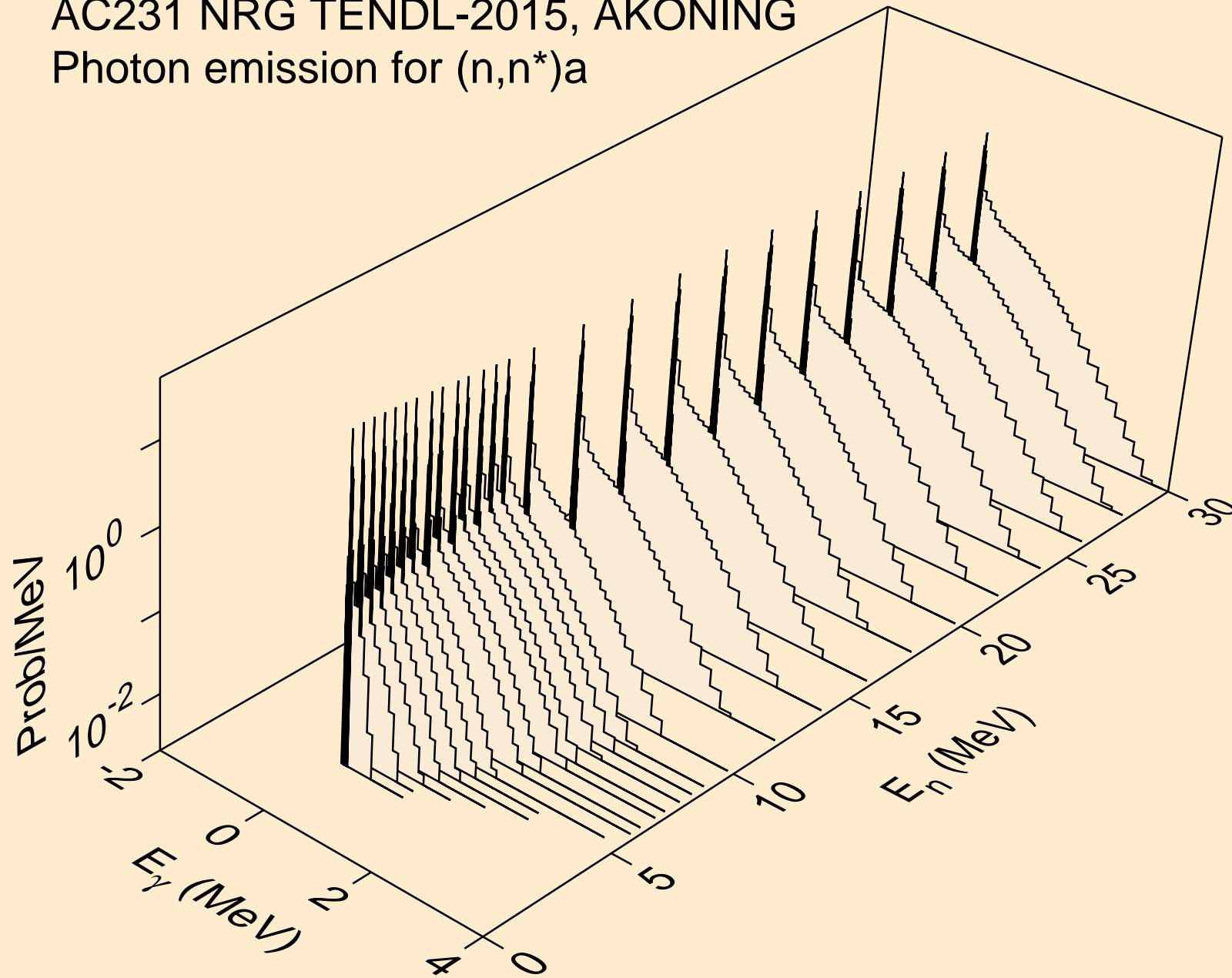
AC231 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



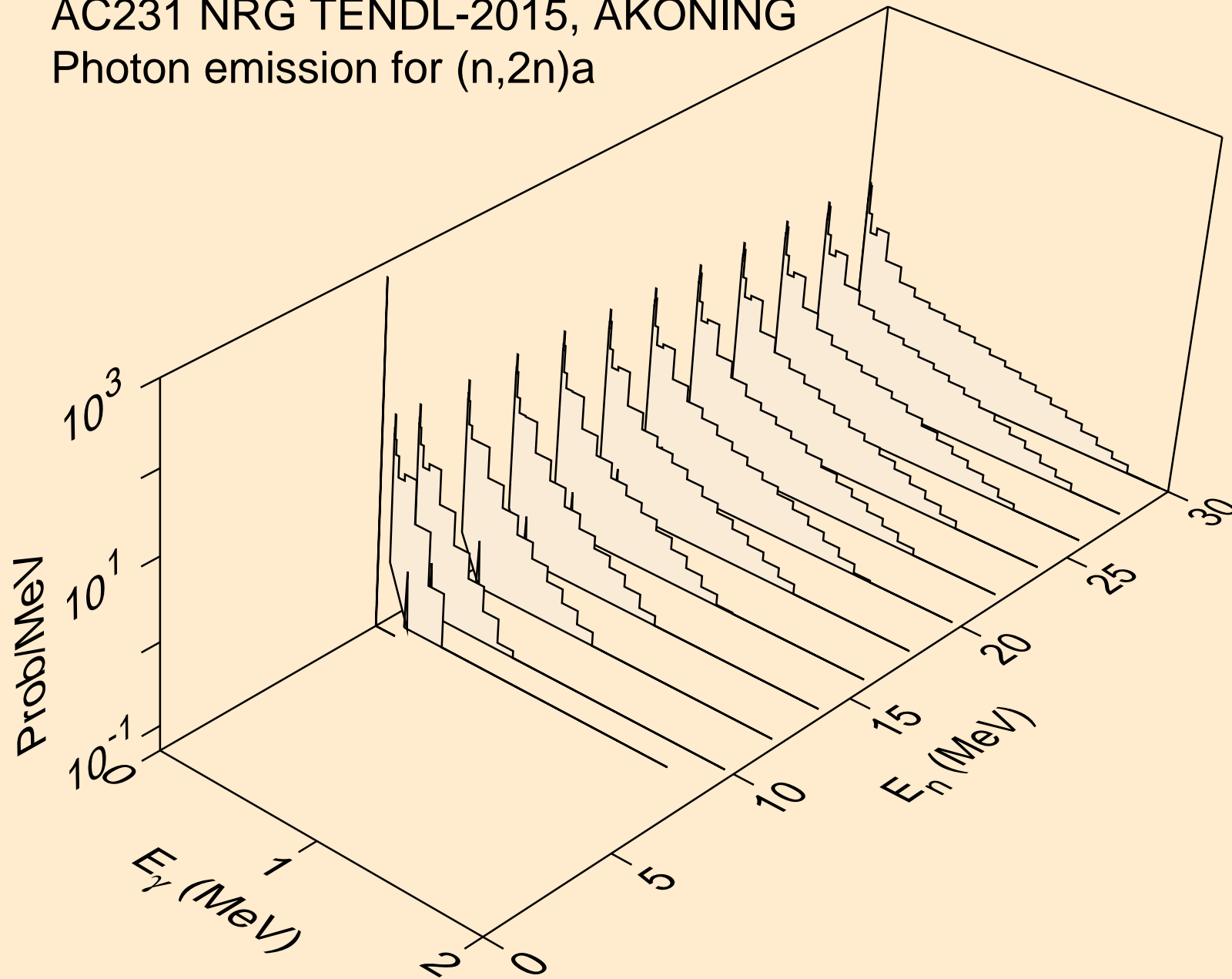
AC231 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



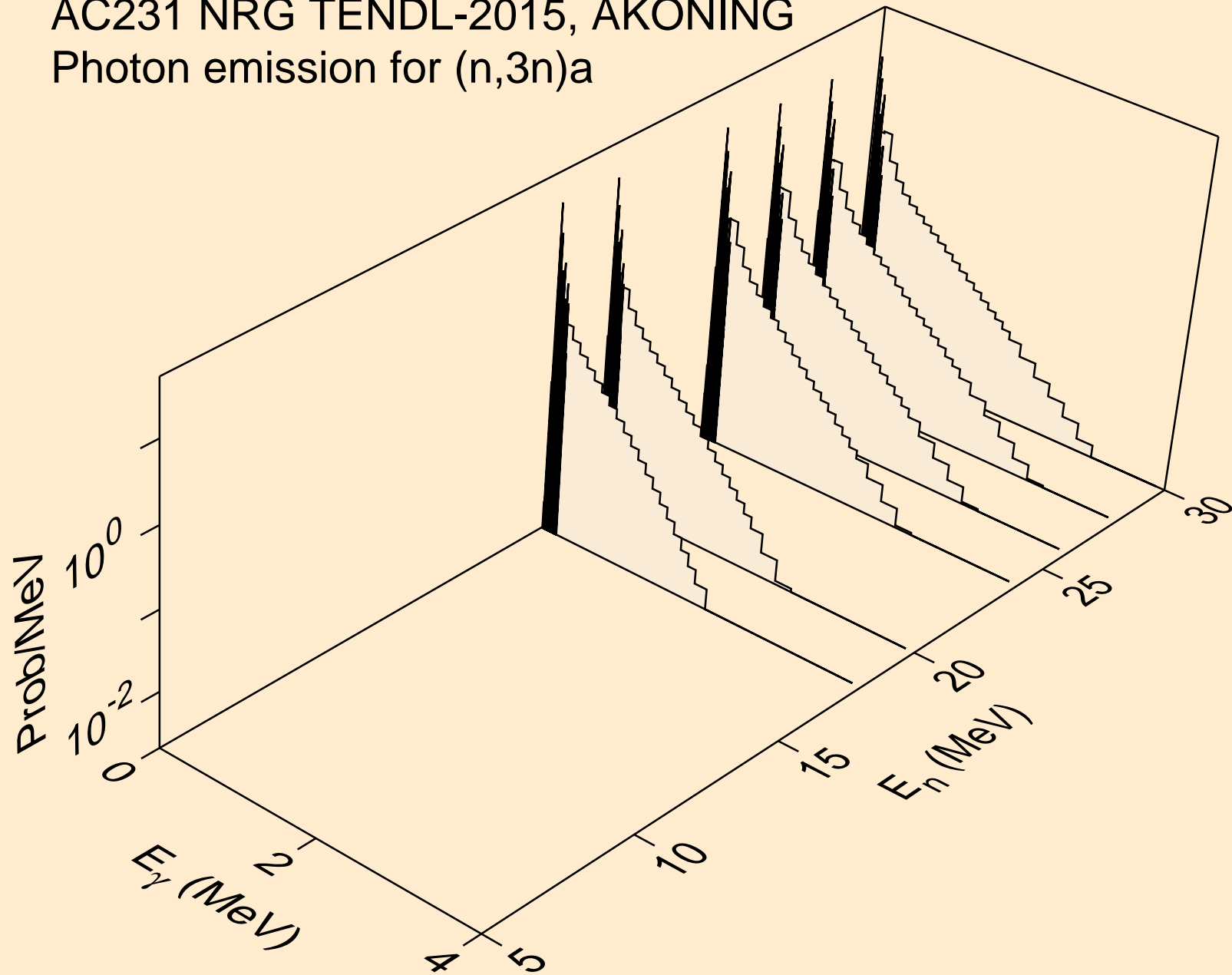
AC231 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



AC231 NRG TENDL-2015, AKONING  
Photon emission for (n,2n) $\alpha$

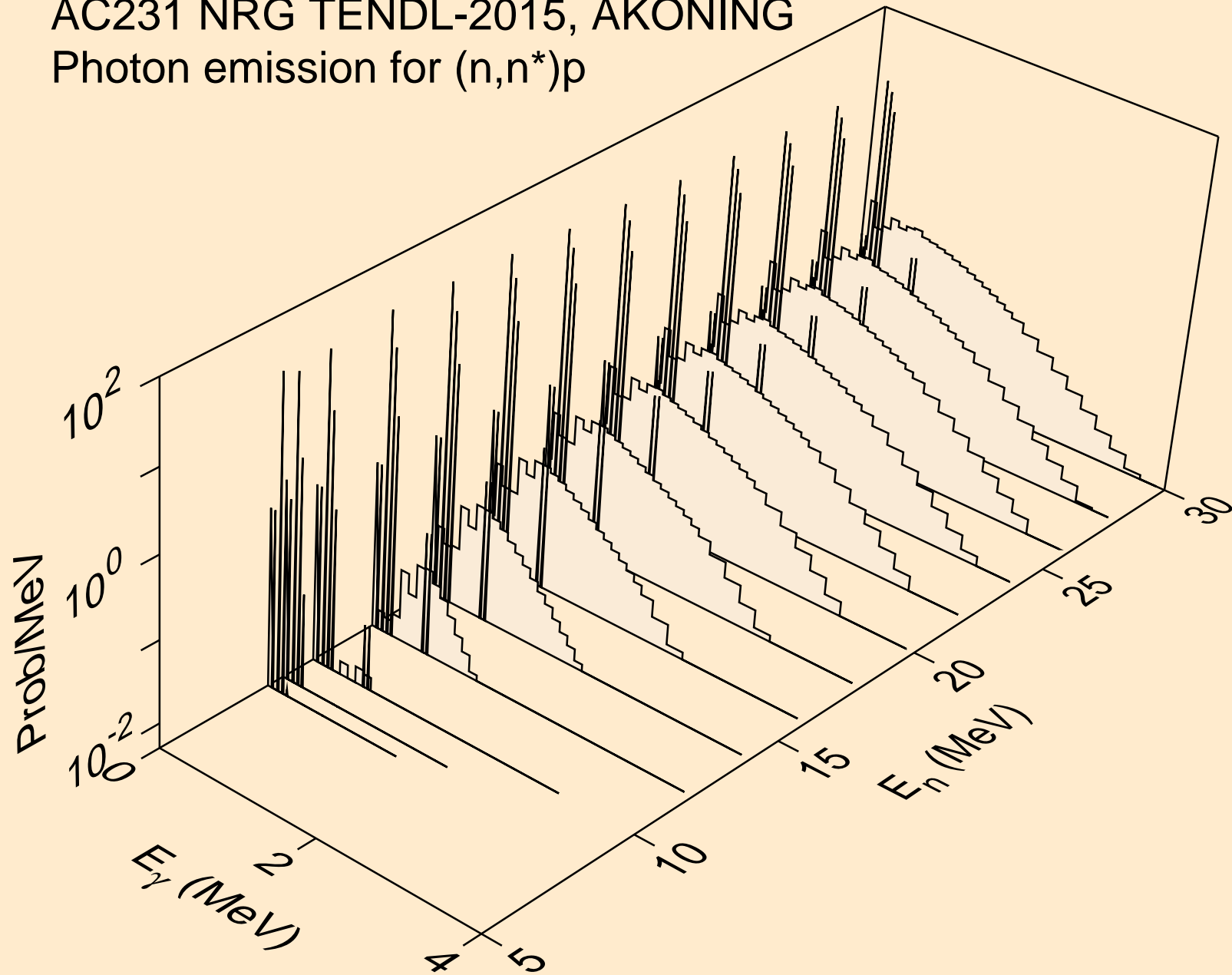


AC231 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a

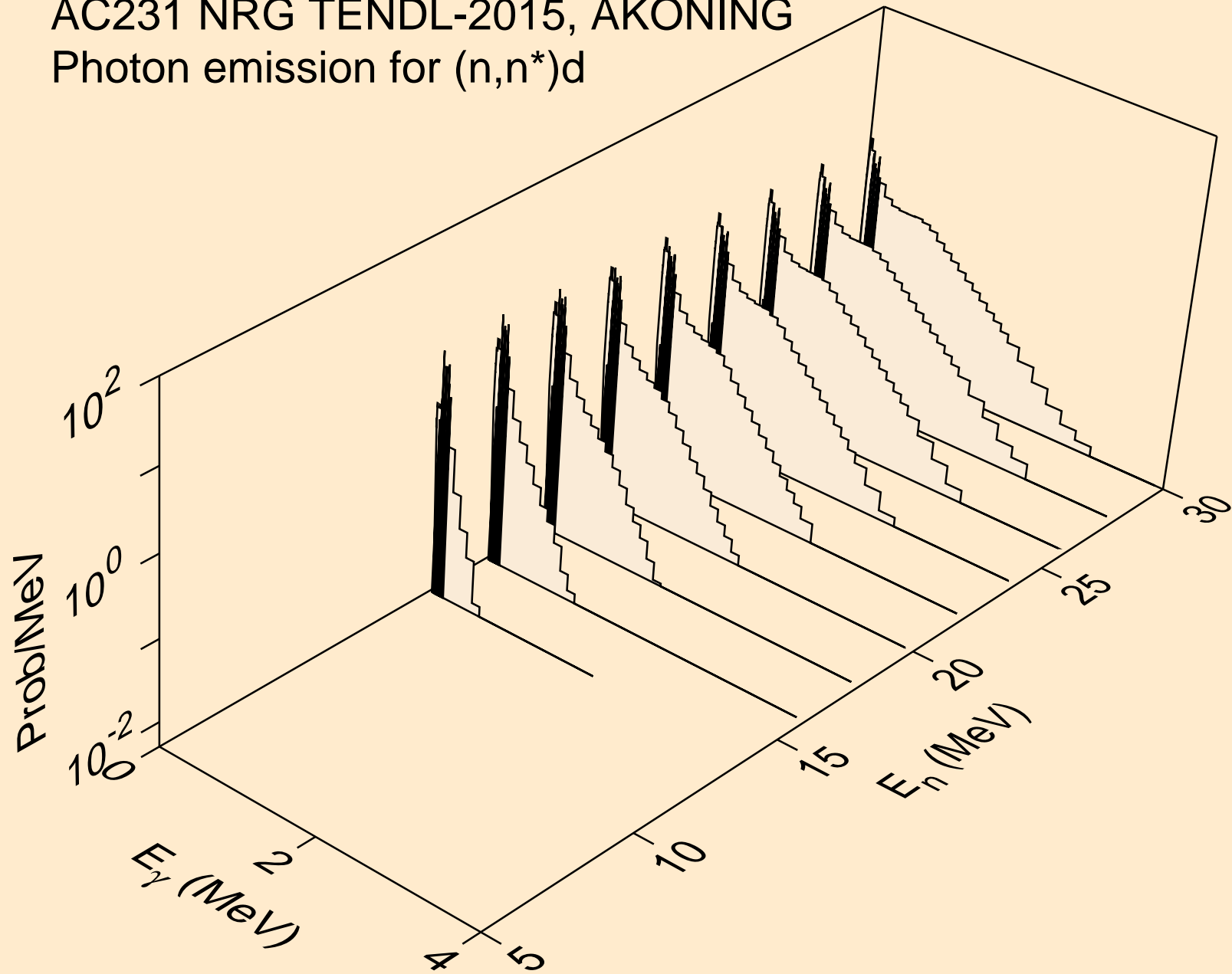




AC231 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p

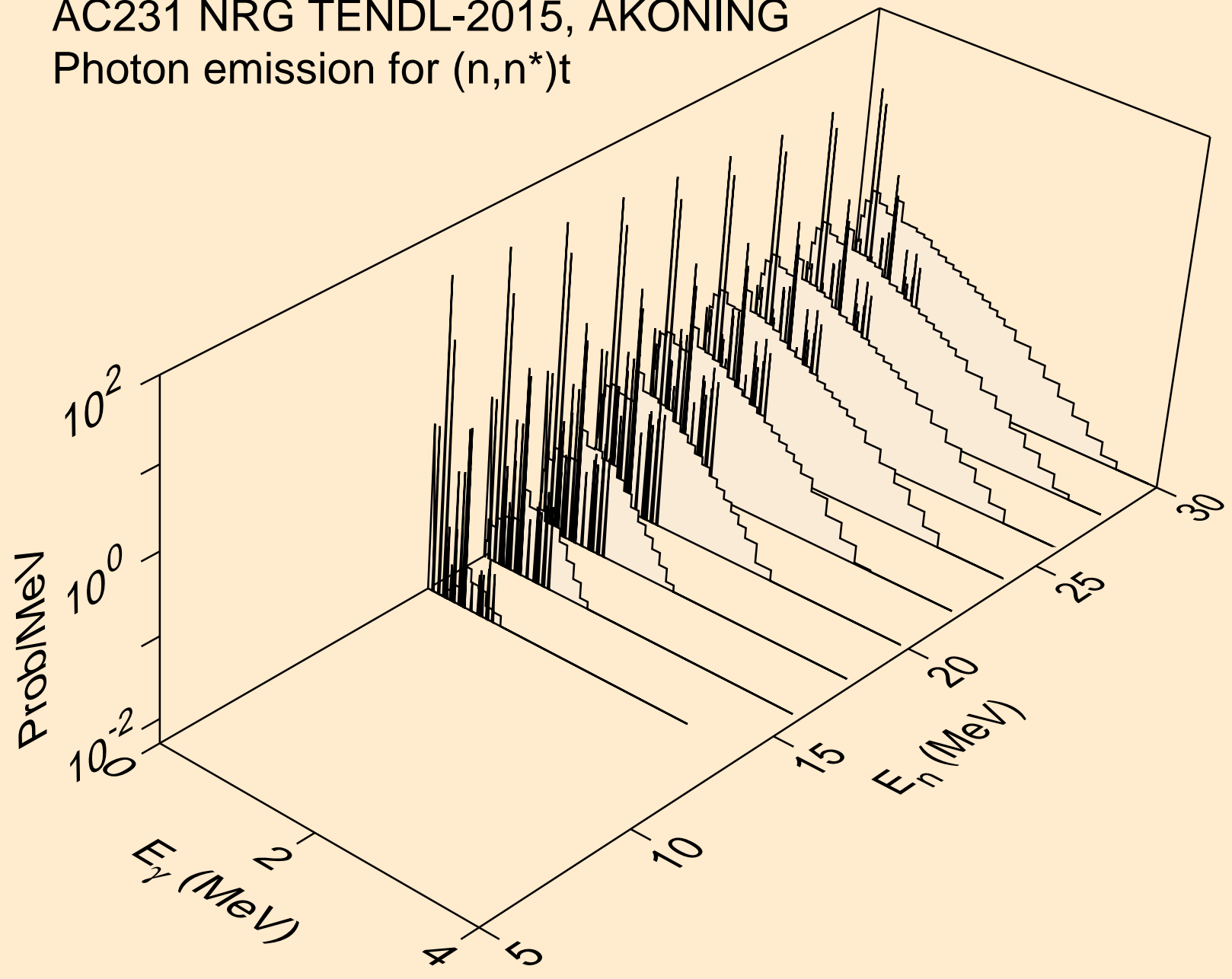


AC231 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d

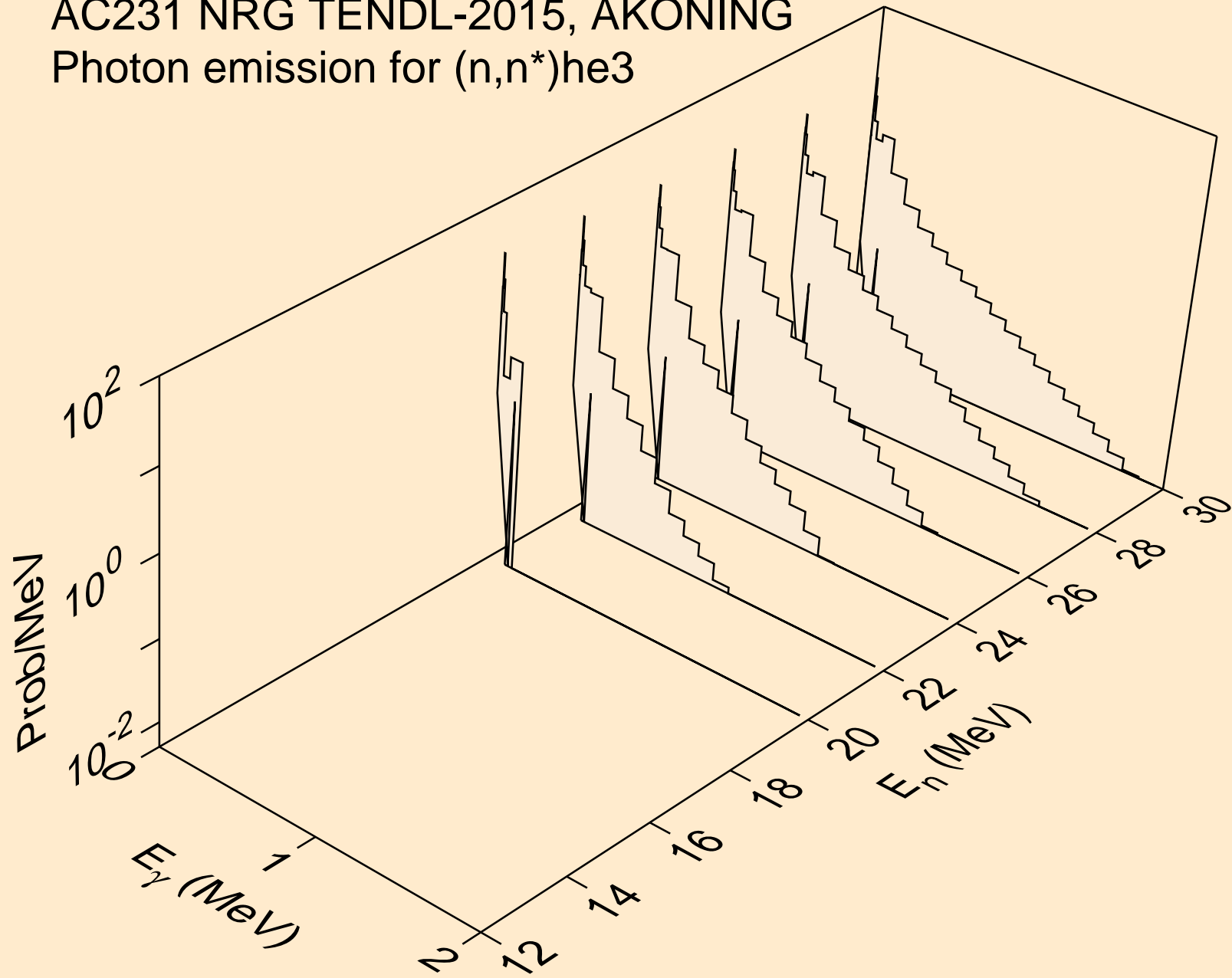


AC231 NRG TENDL-2015, AKONING

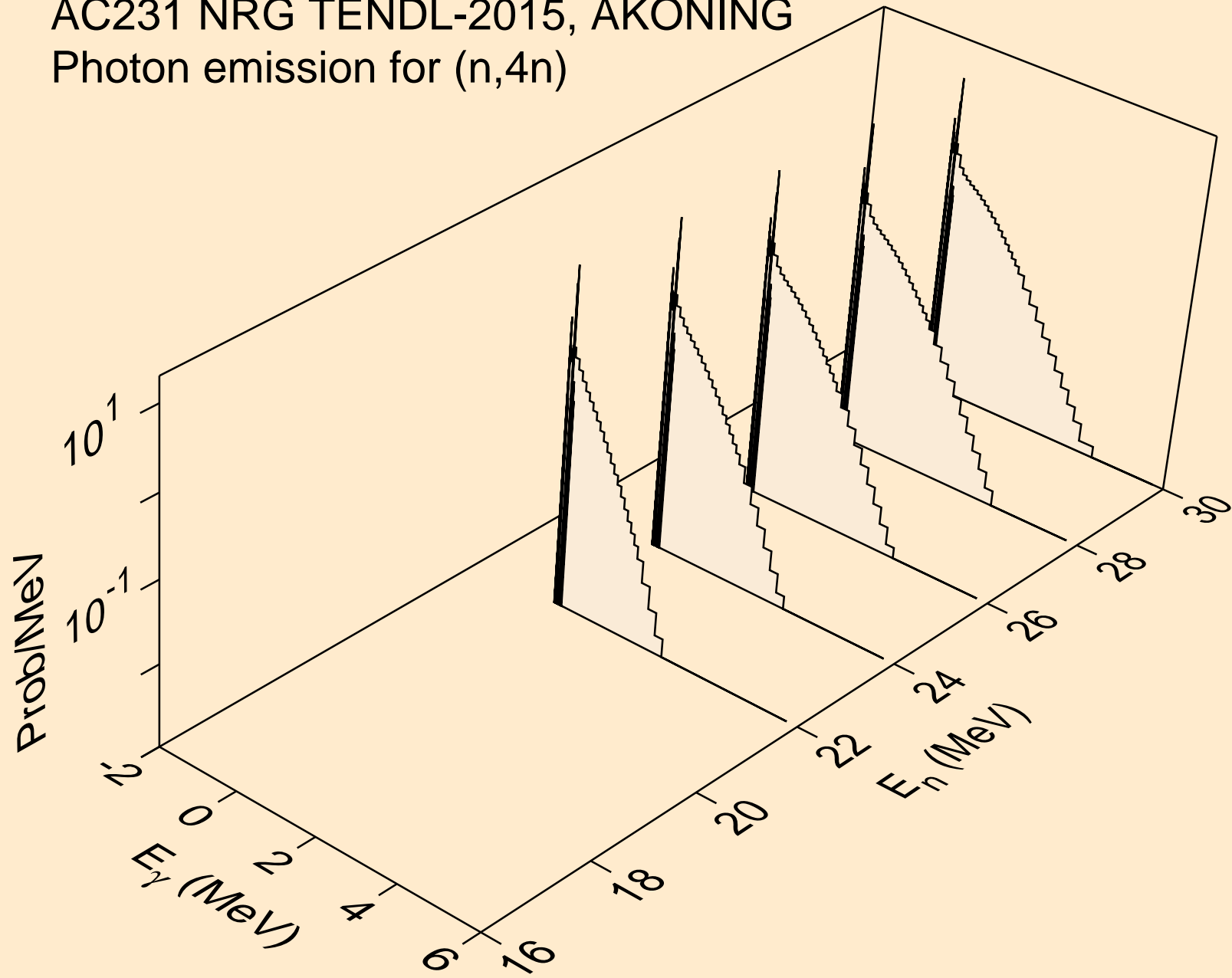
Photon emission for (n,n\*)t



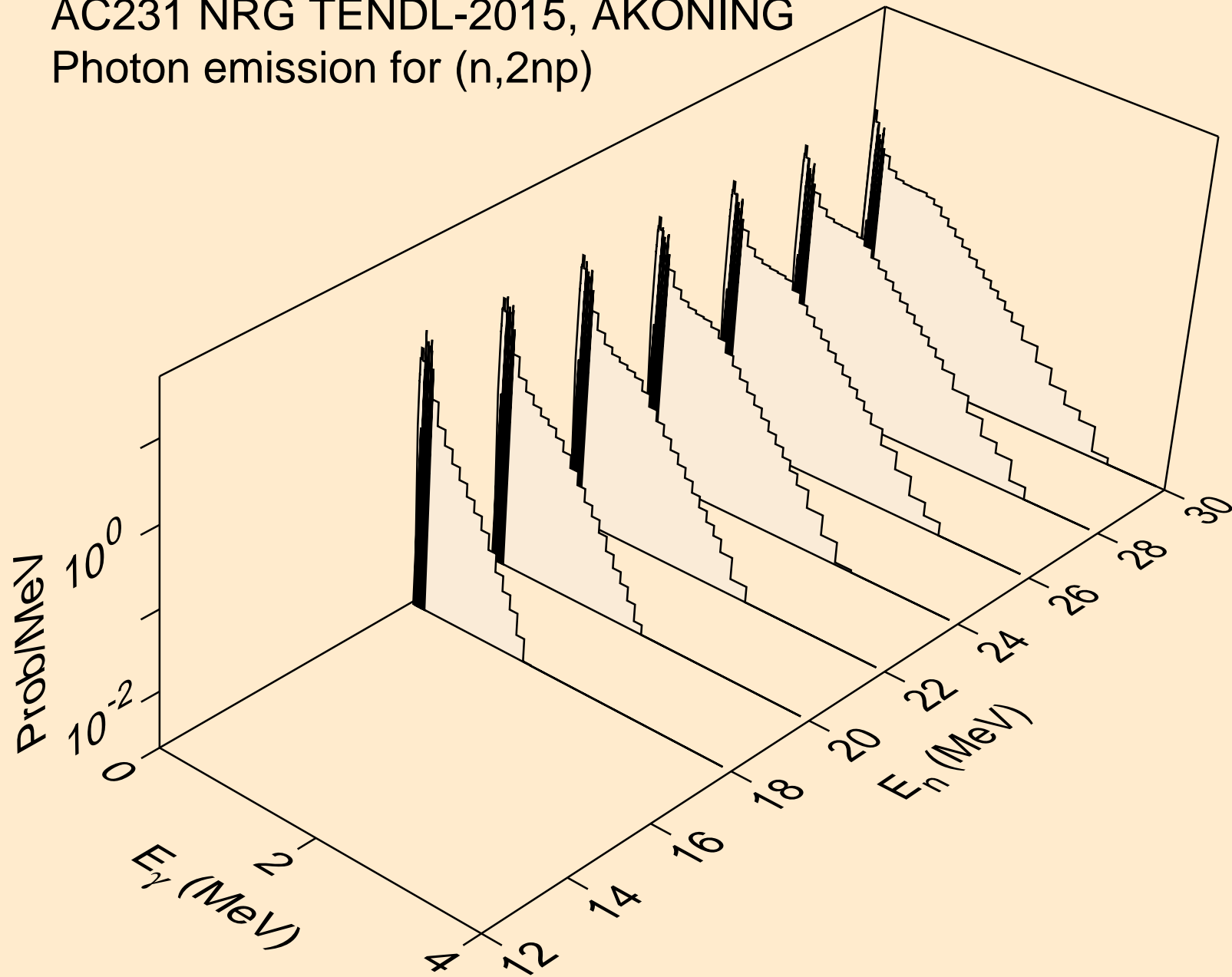
AC231 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



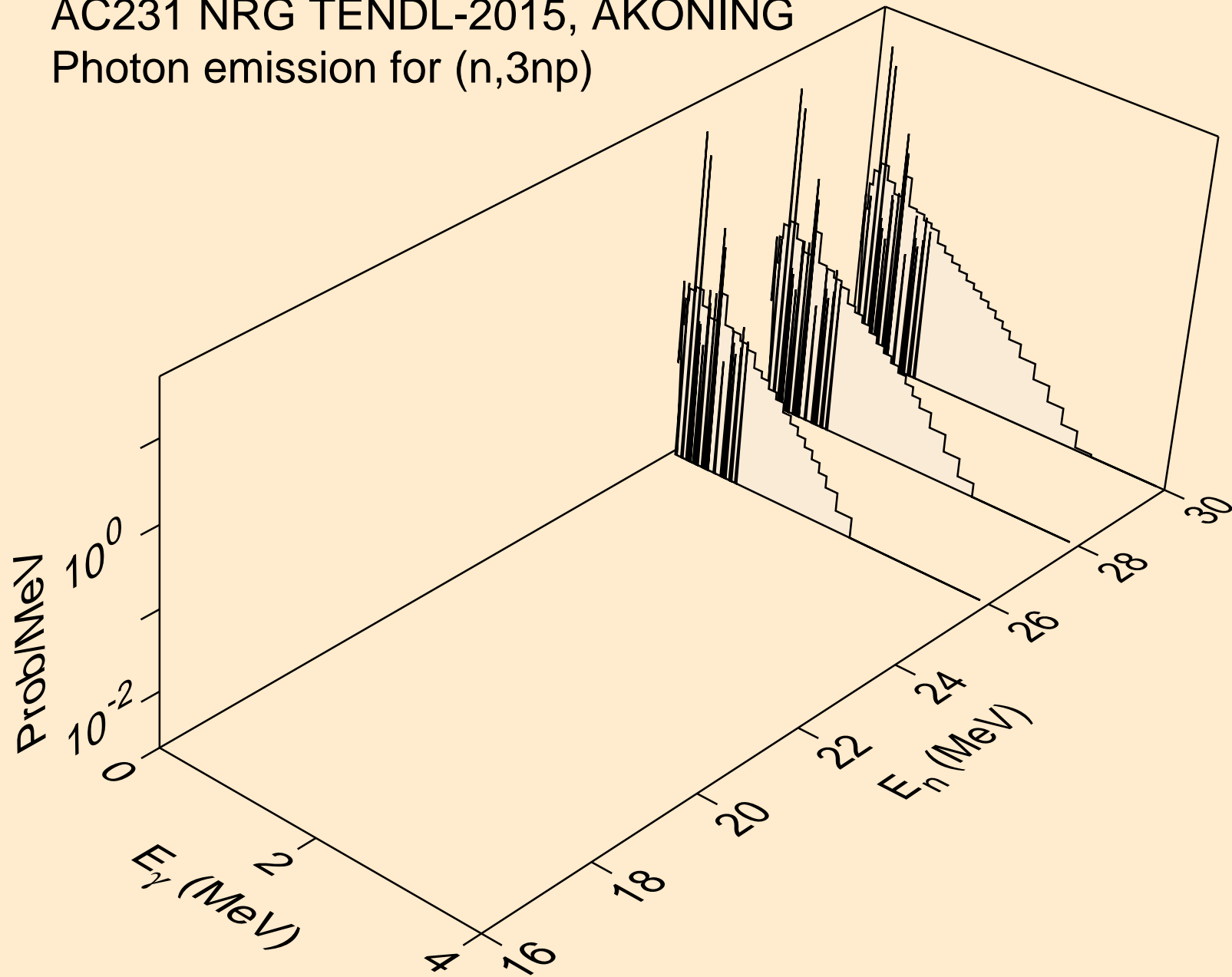
AC231 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



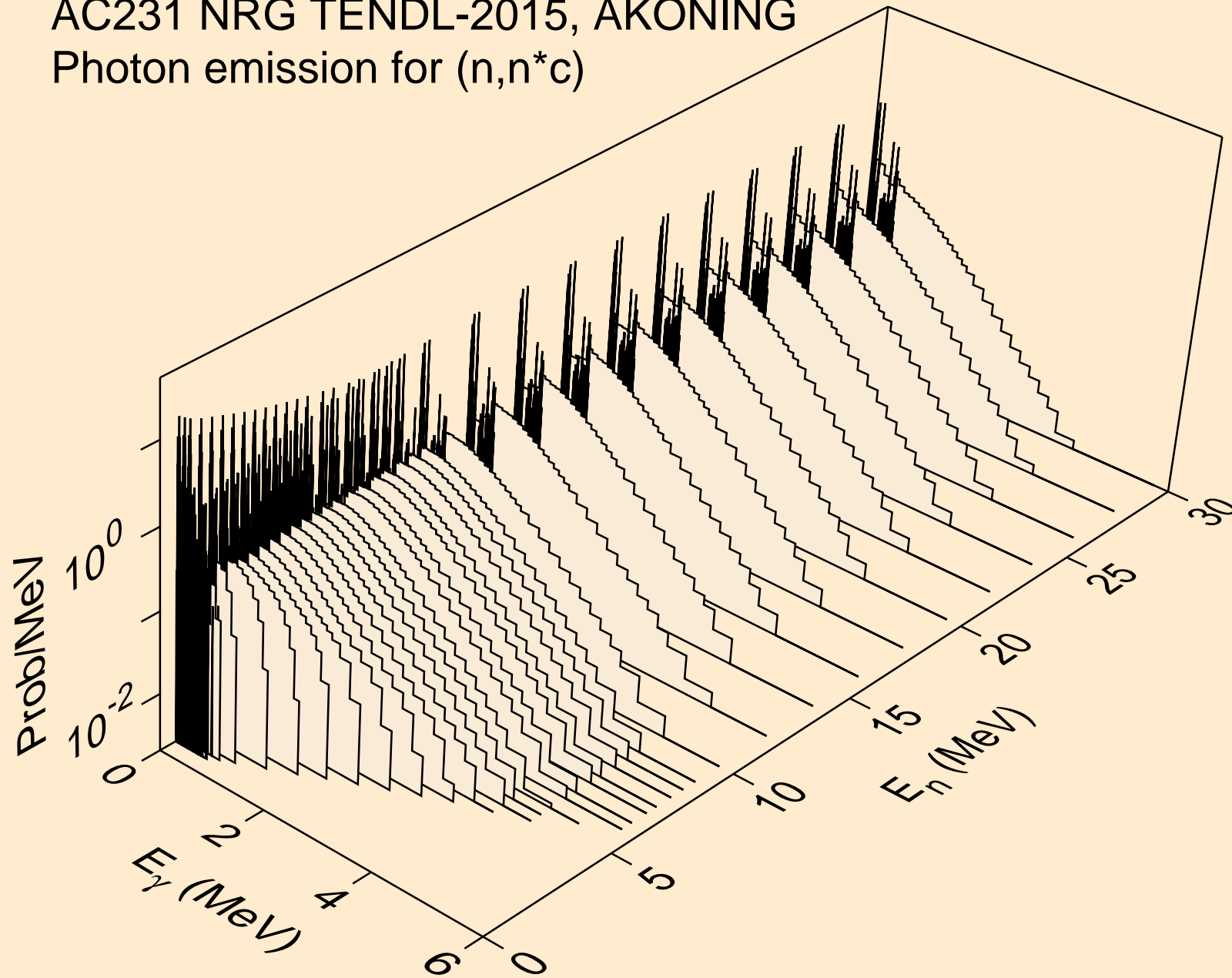
AC231 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



AC231 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)

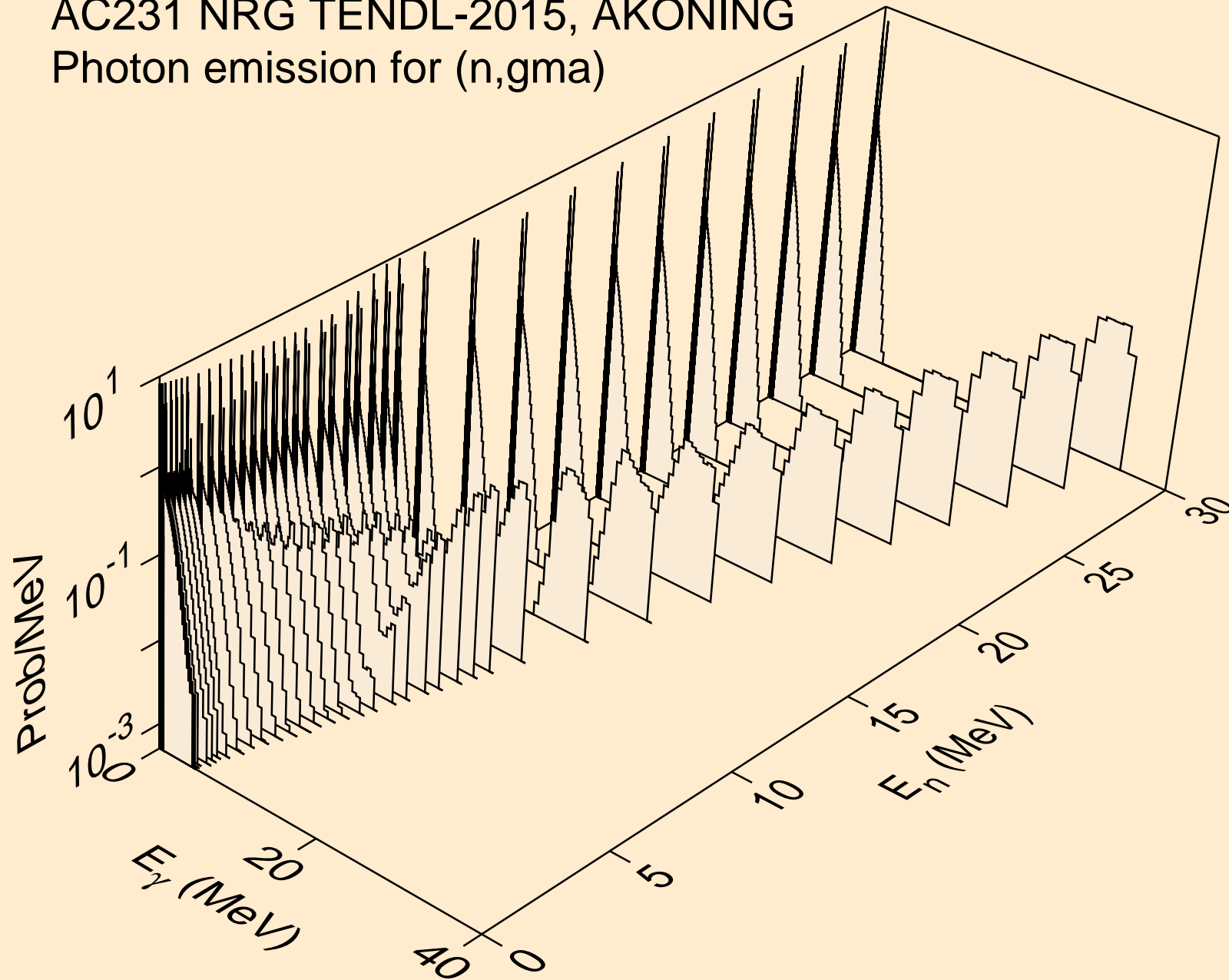


AC231 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)

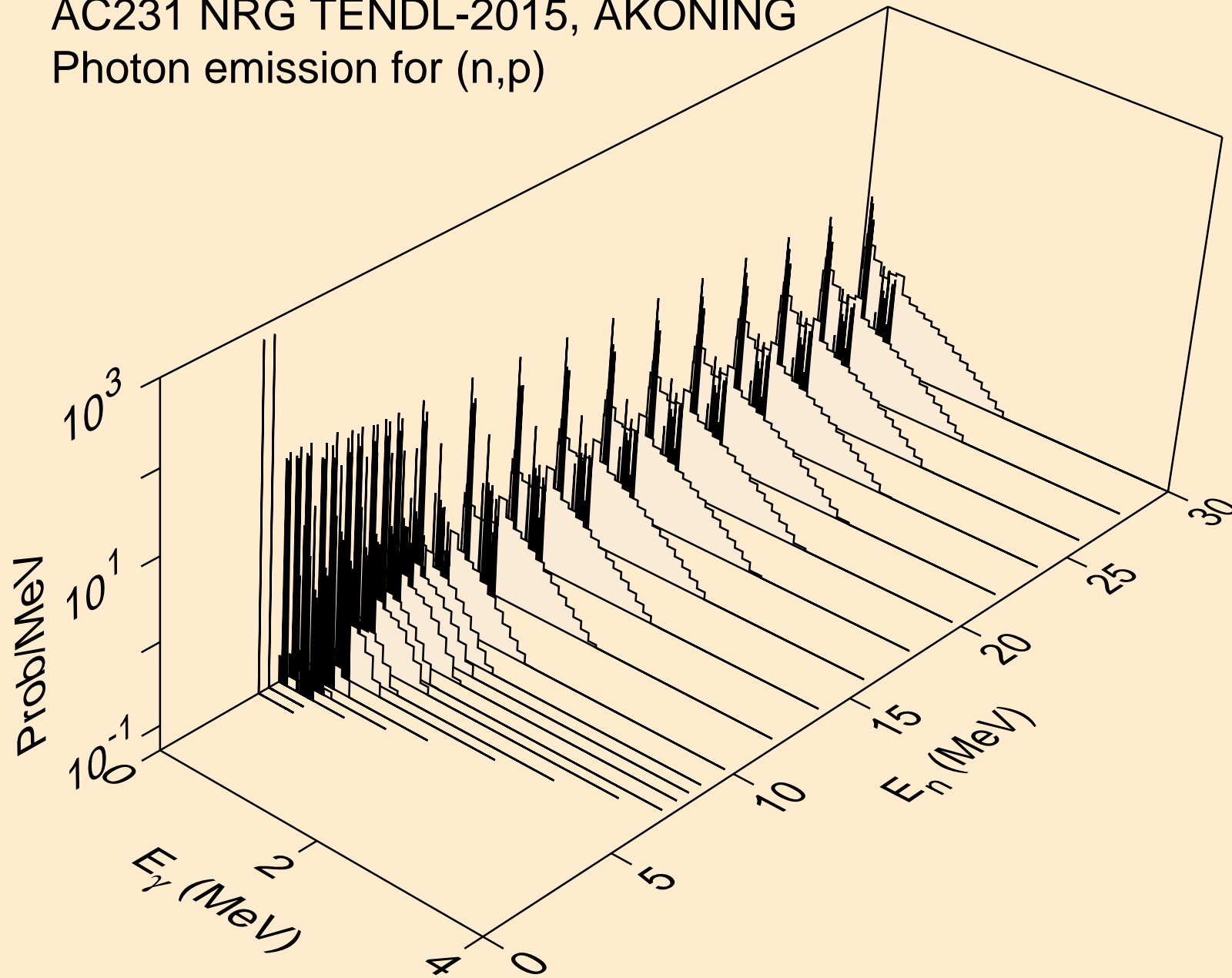




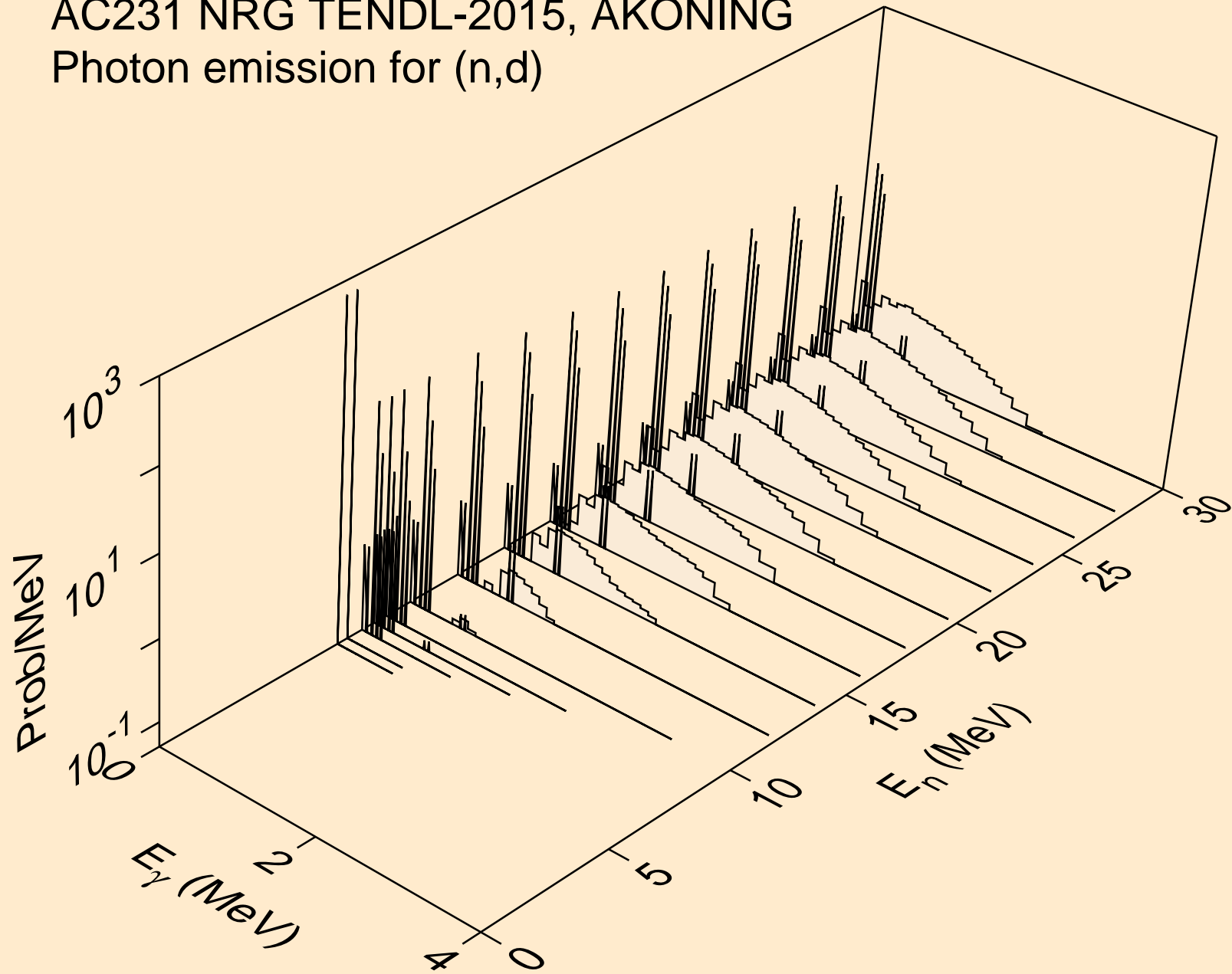
AC231 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



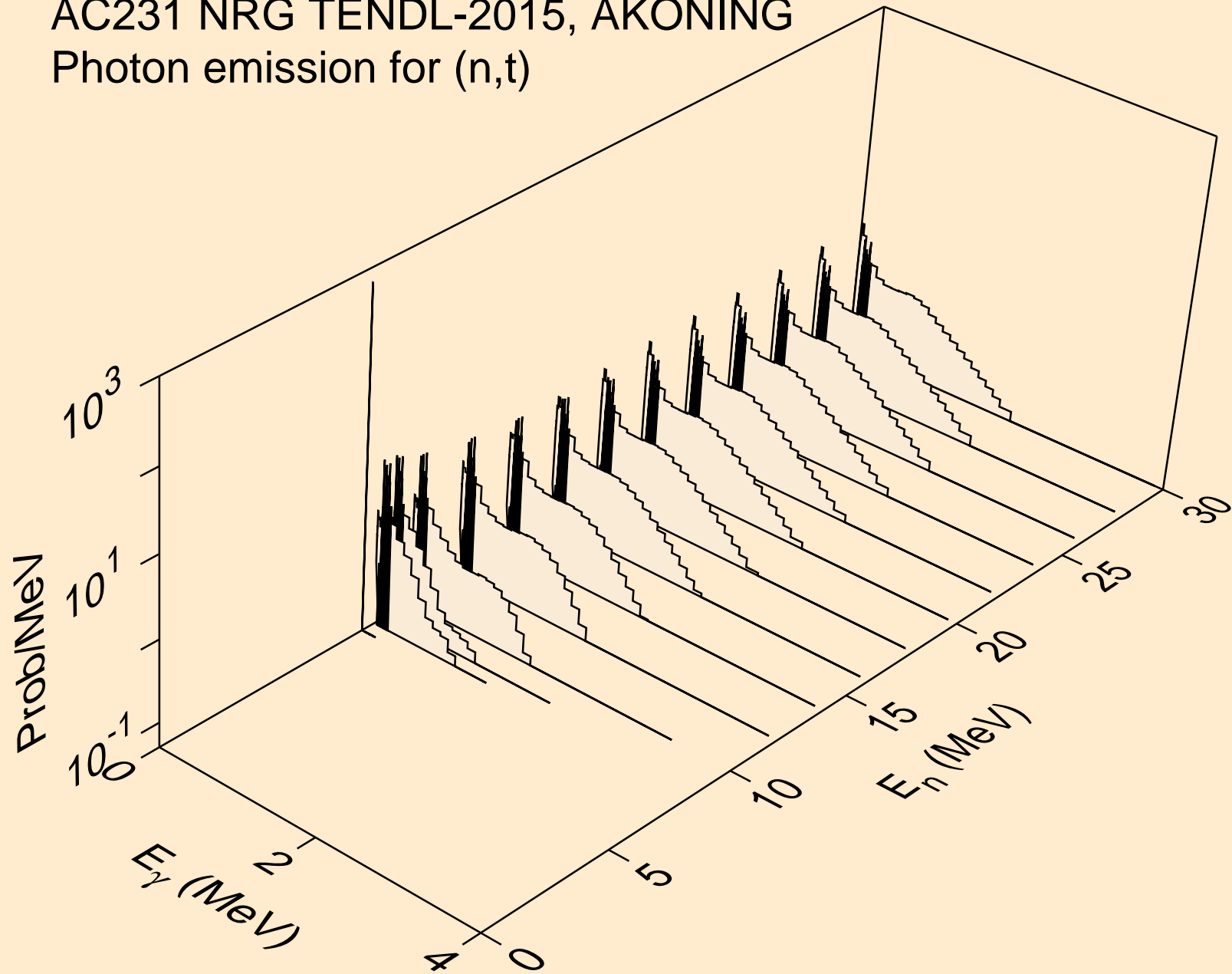
AC231 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



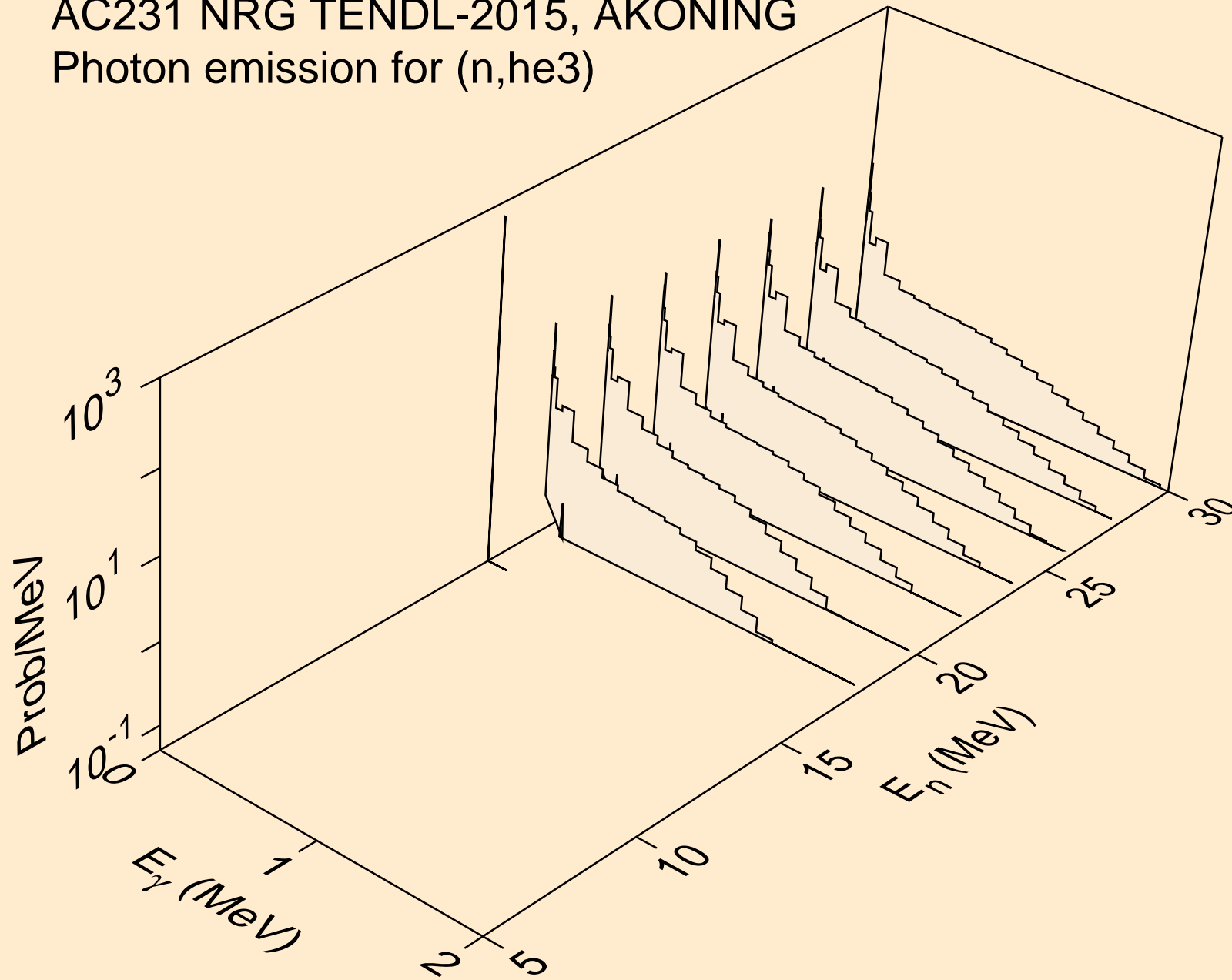
AC231 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



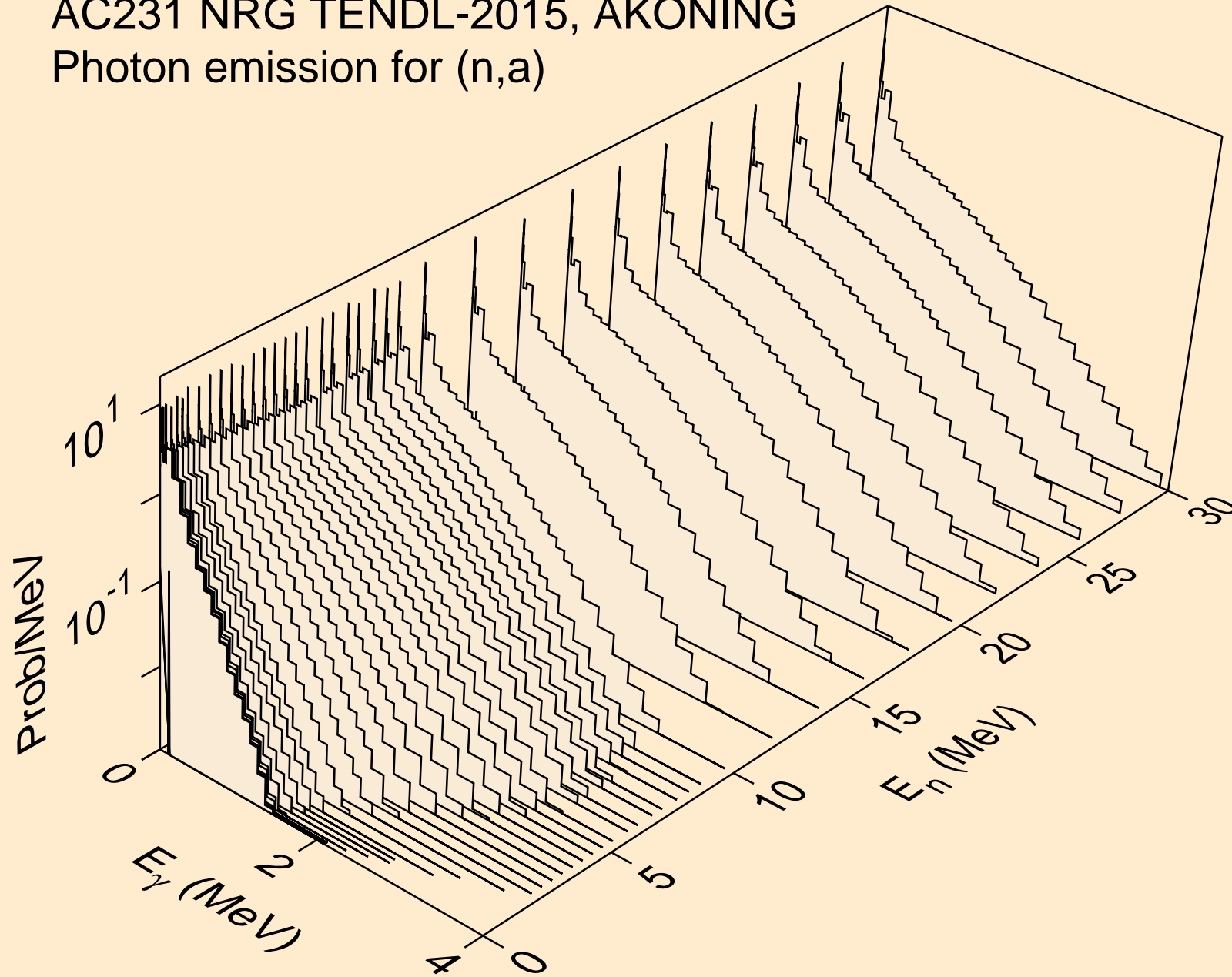
AC231 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



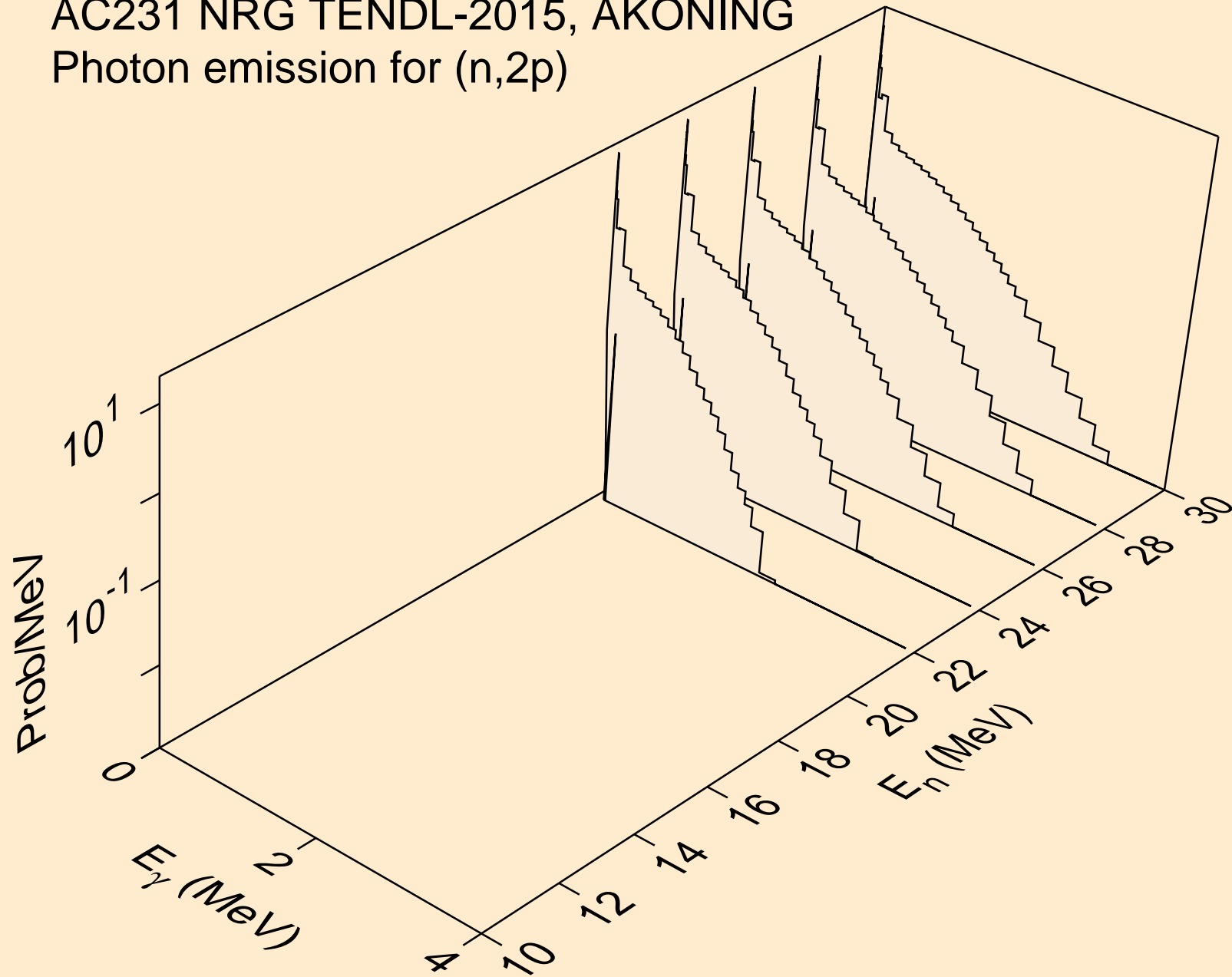
AC231 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



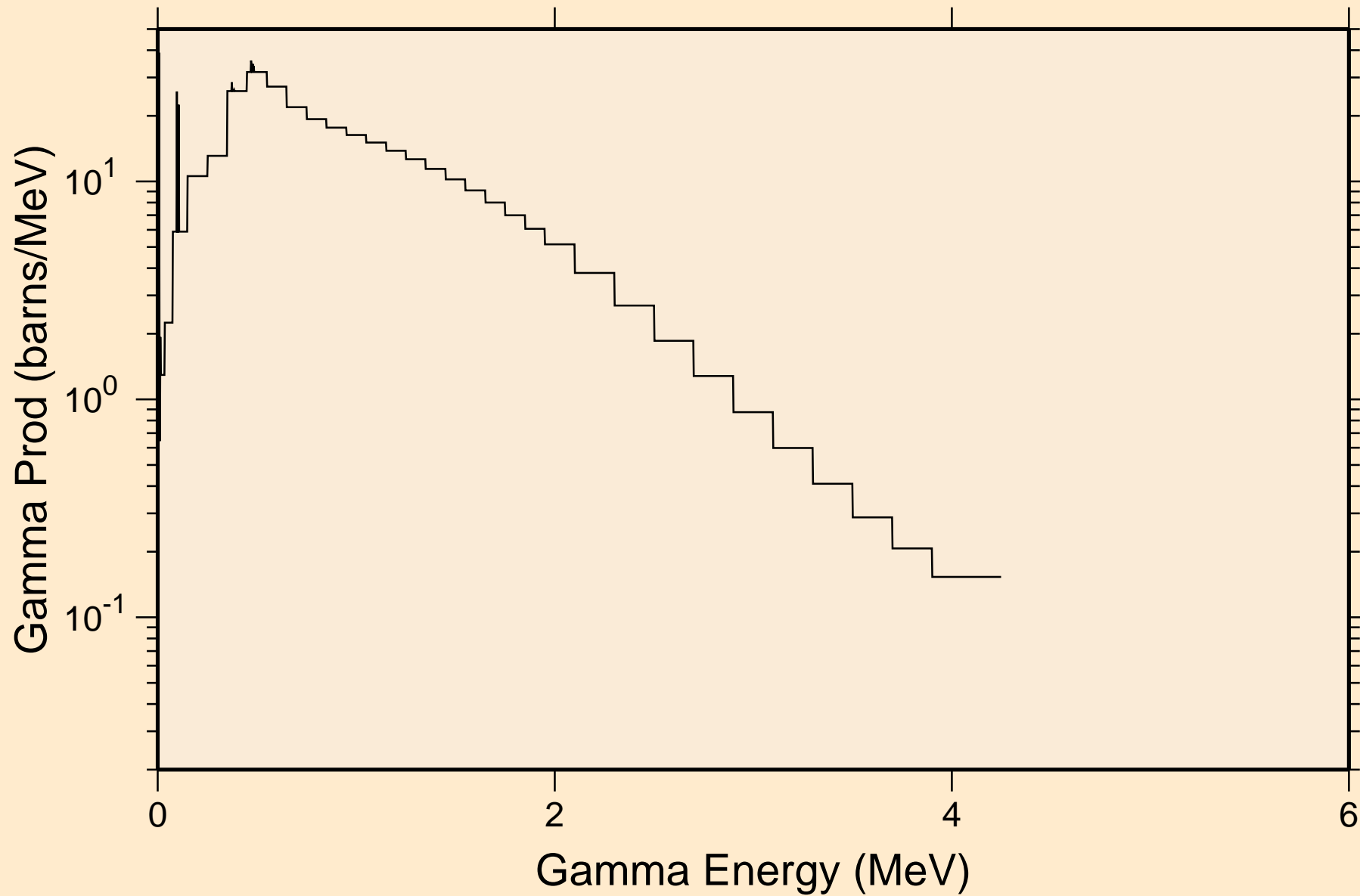
AC231 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



AC231 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)

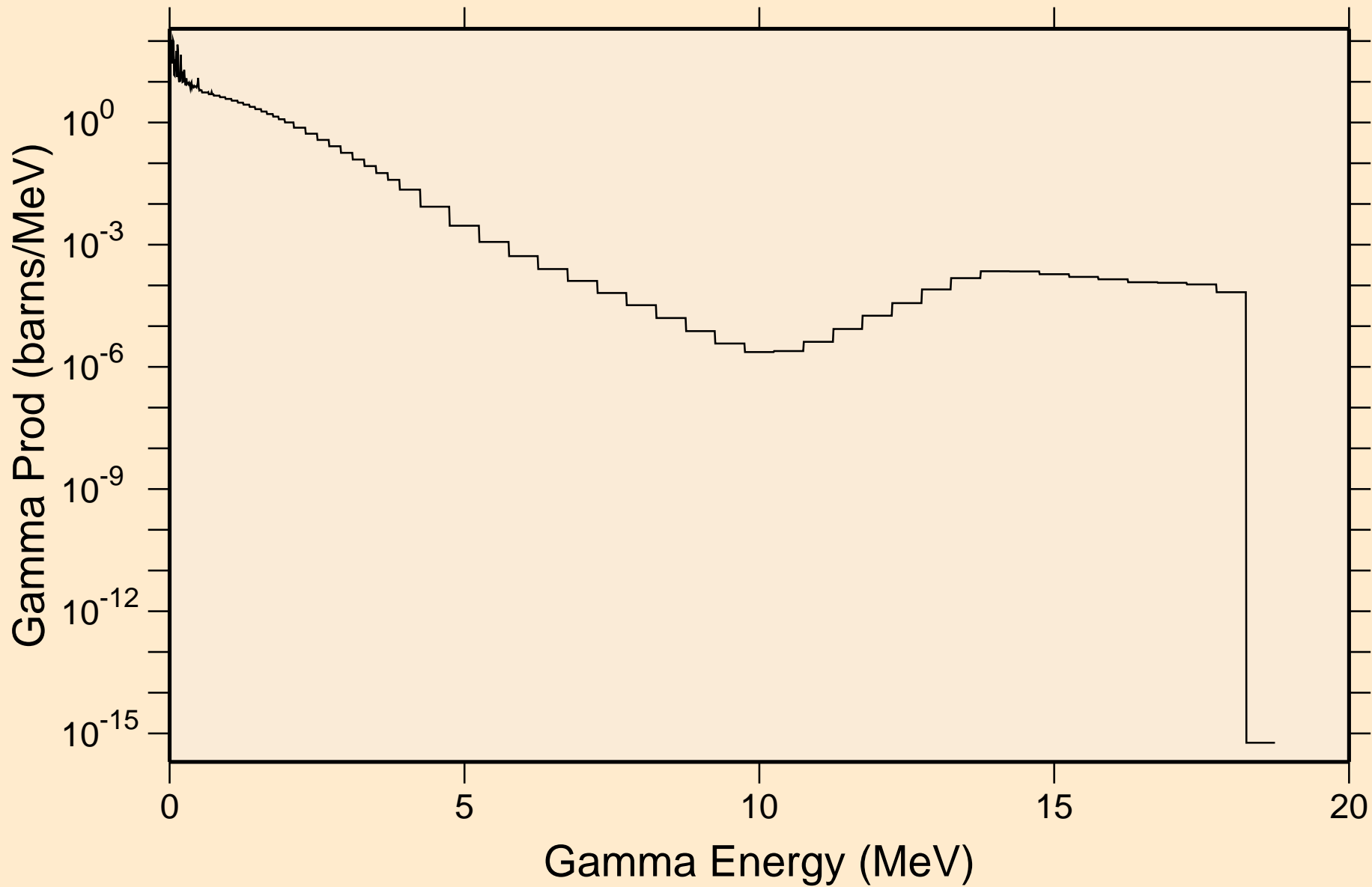


AC231 NRG TENDL-2015, AKONING  
thermal capture photon spectrum



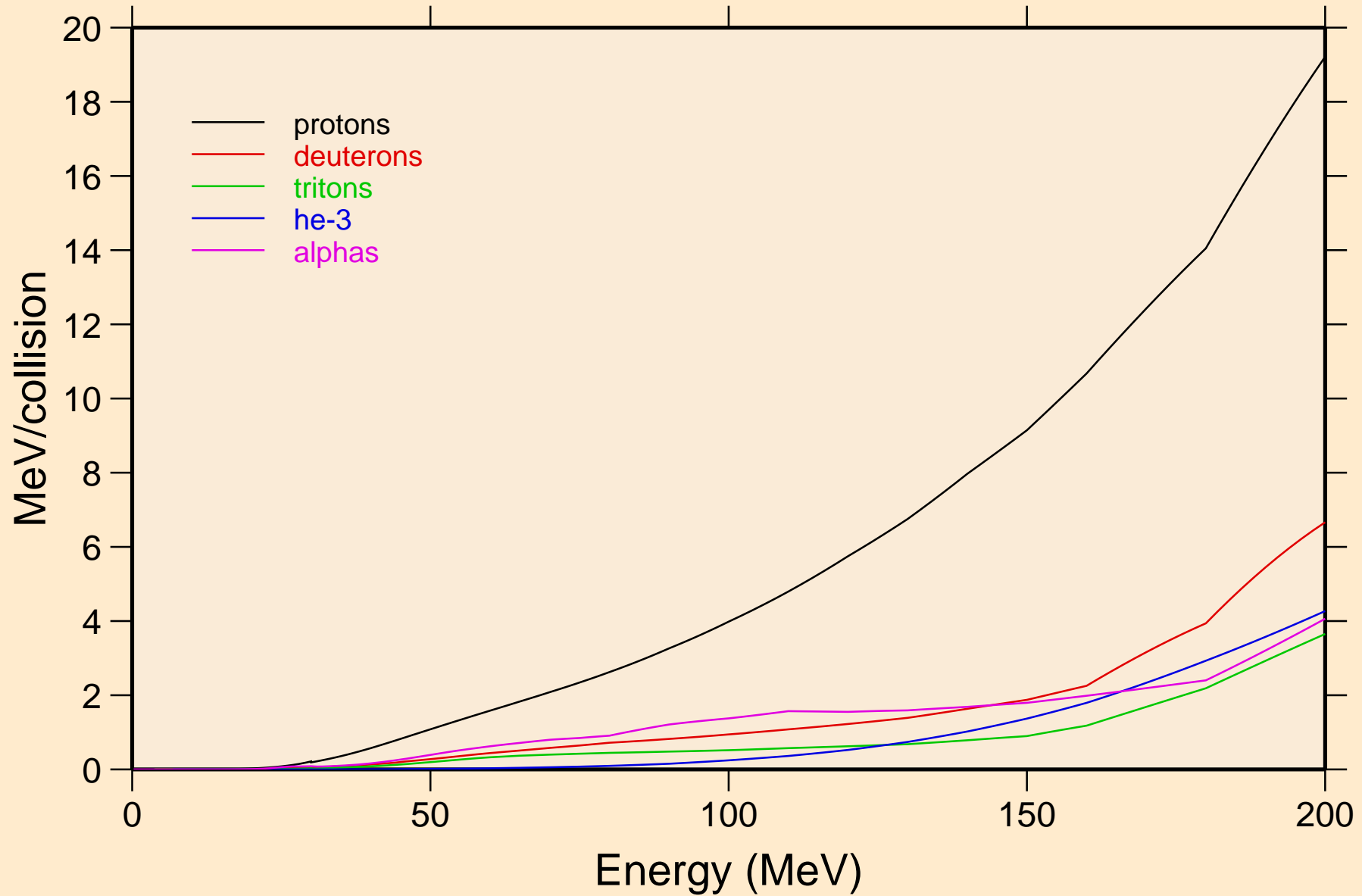


AC231 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



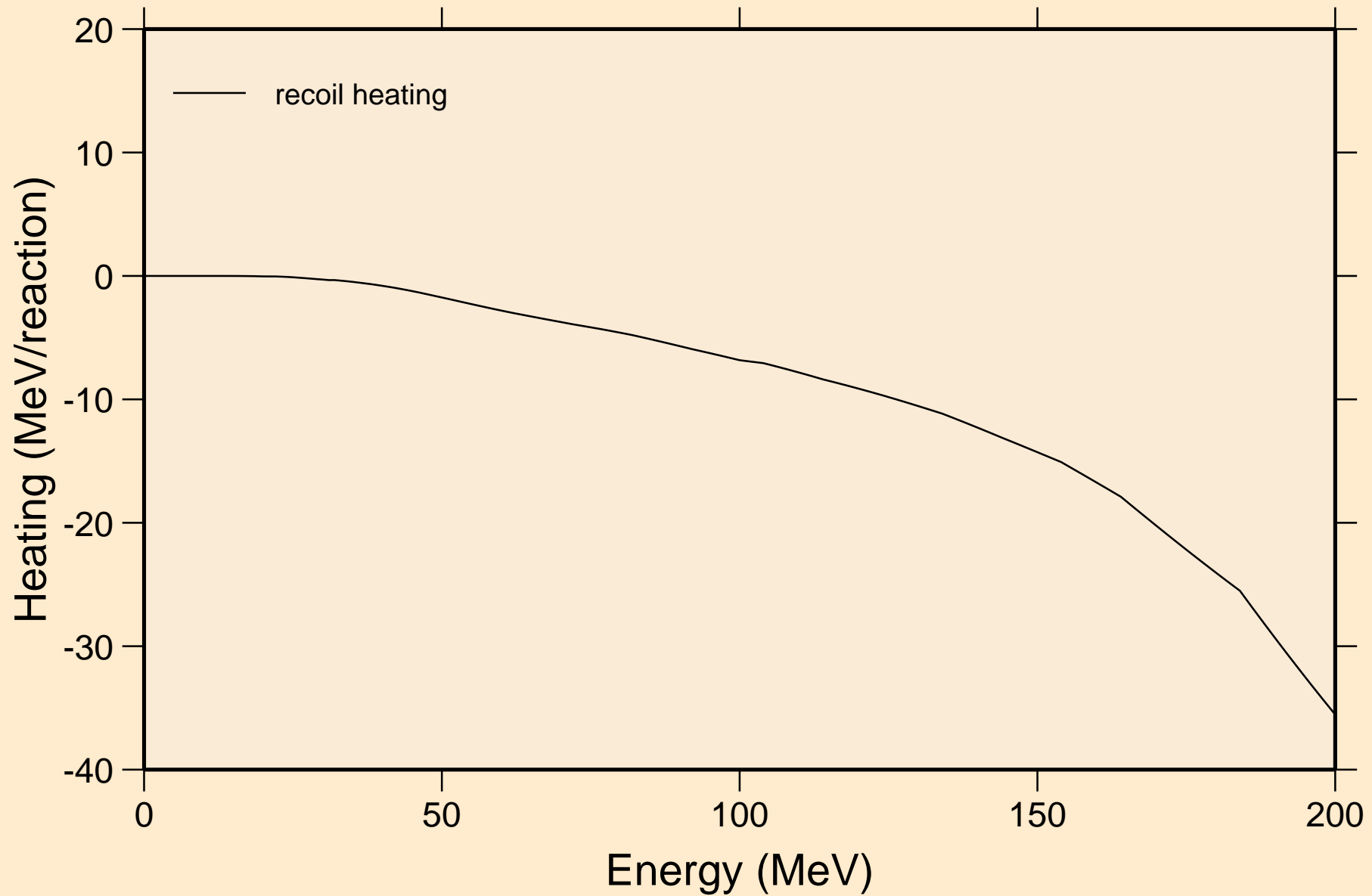
# AC231 NRG TENDL-2015, AKONING

## Particle heating contributions



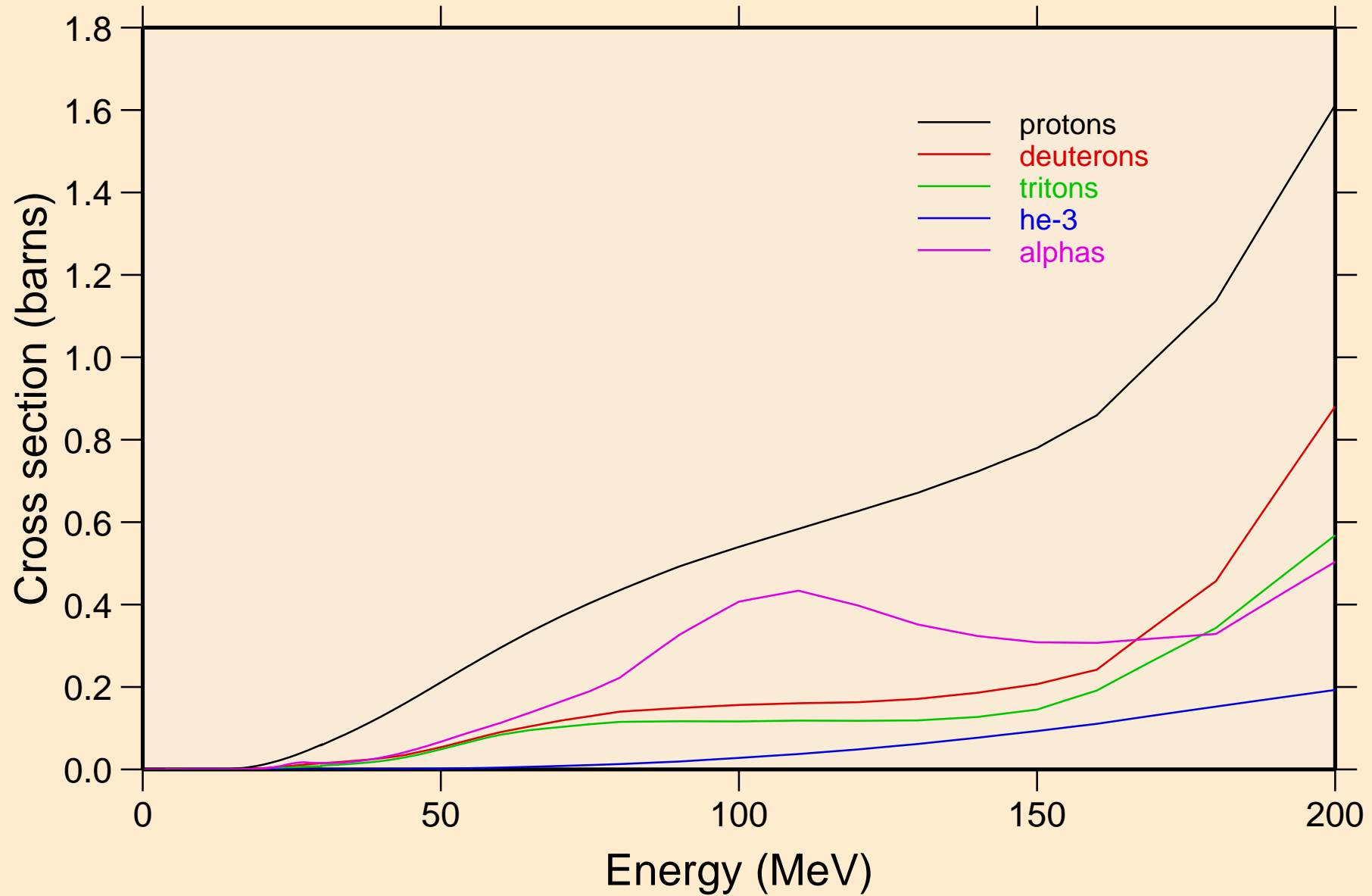
# AC231 NRG TENDL-2015, AKONING

## Recoil Heating

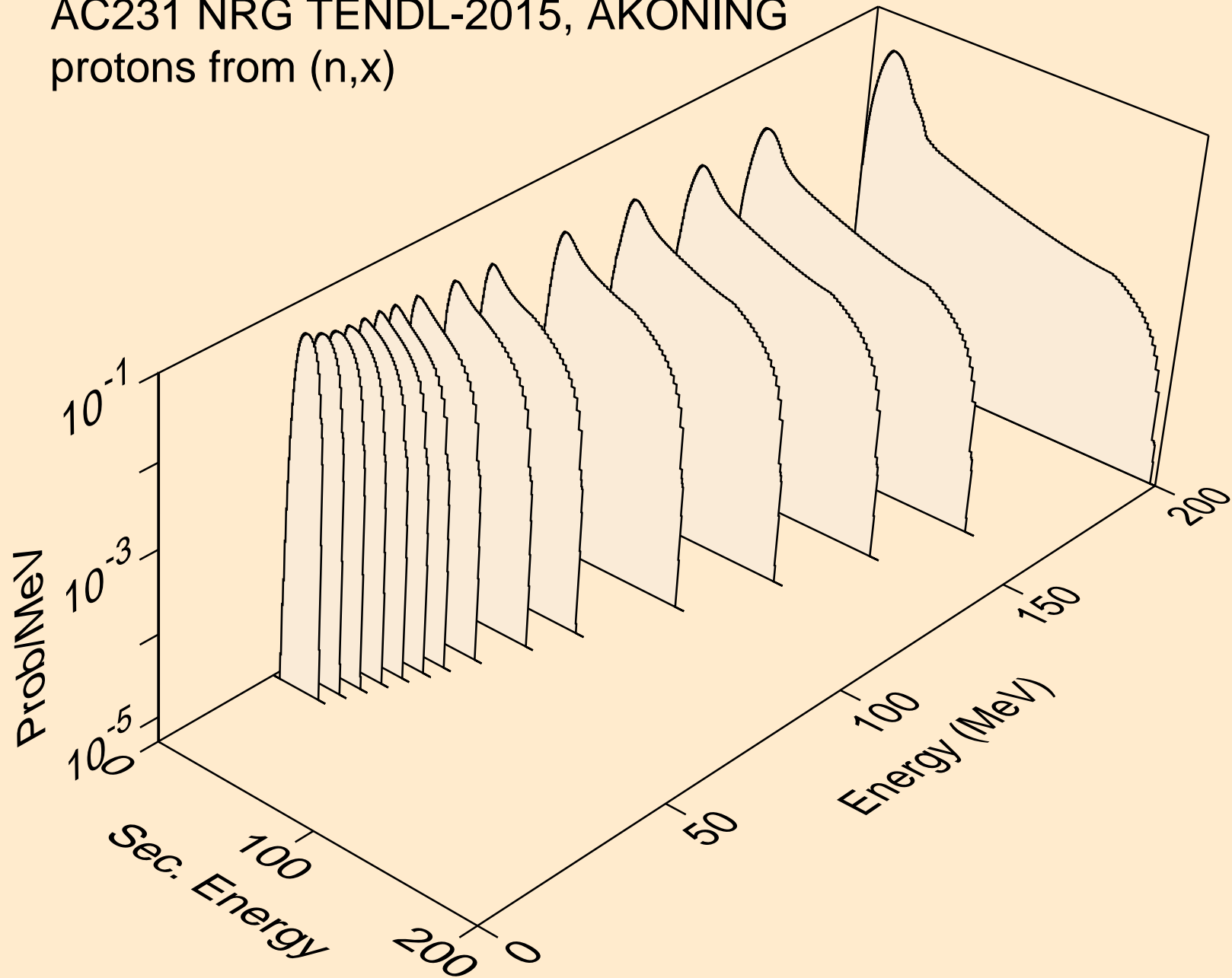


# AC231 NRG TENDL-2015, AKONING

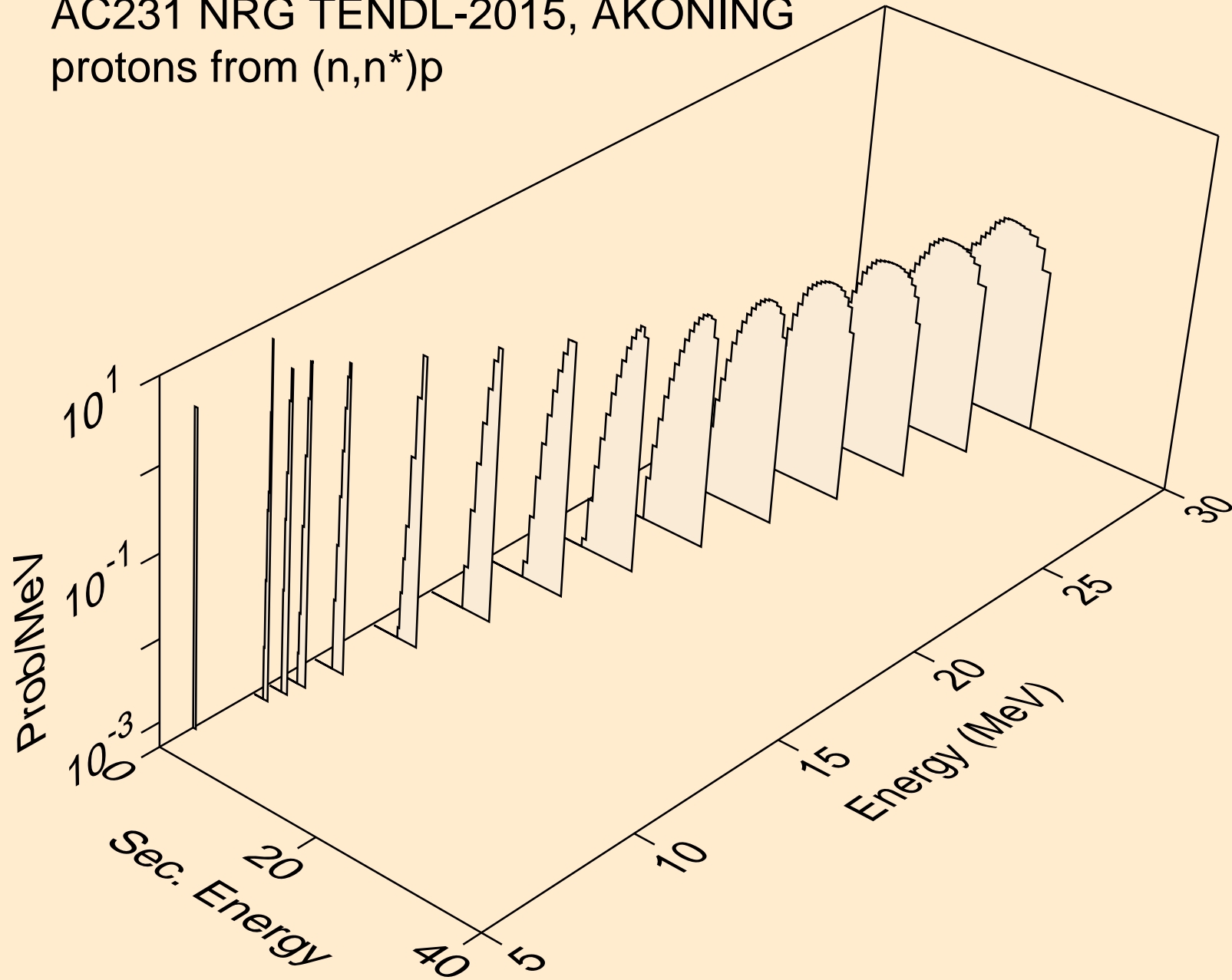
## Particle production cross sections



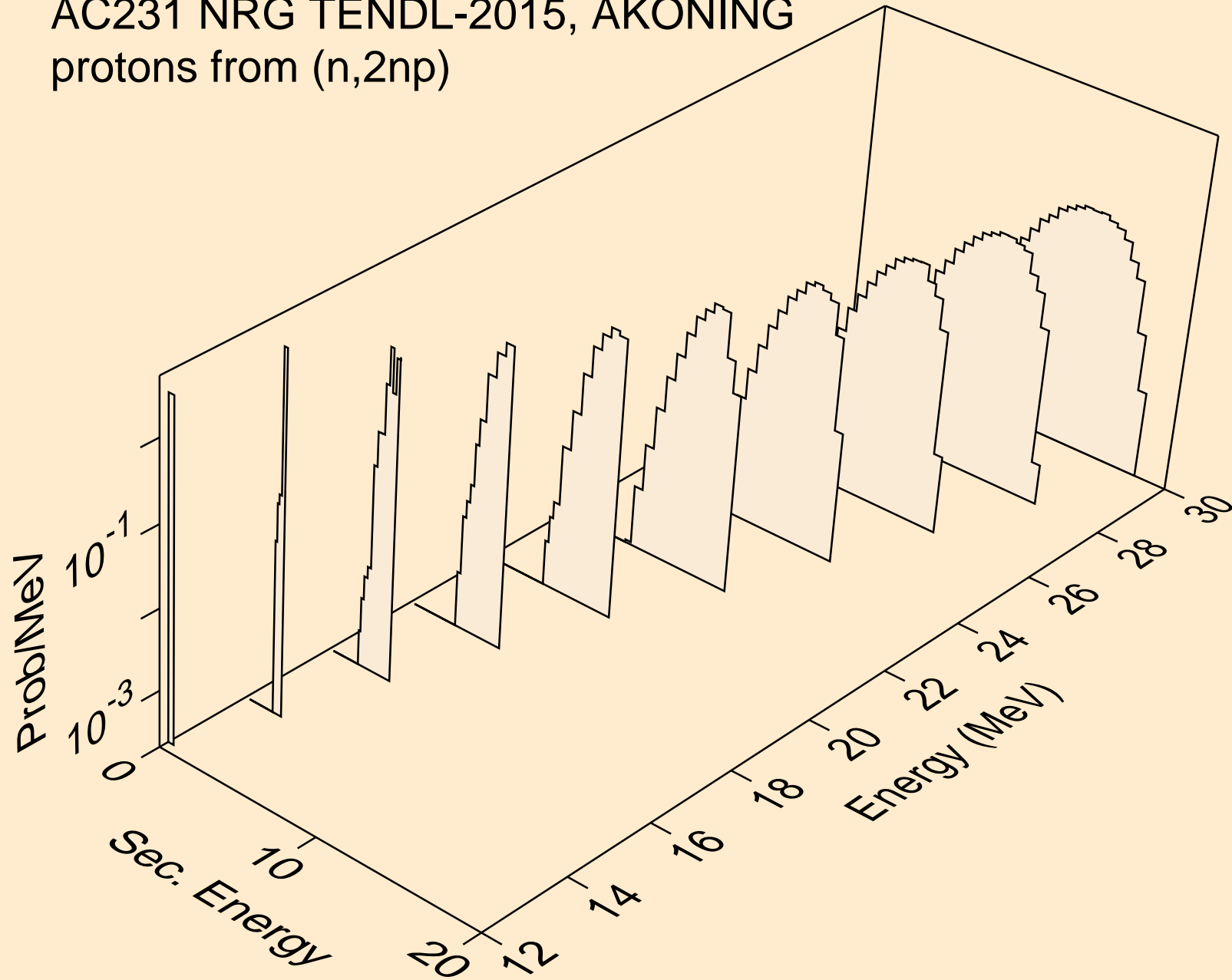
AC231 NRG TENDL-2015, AKONING  
protons from (n,x)



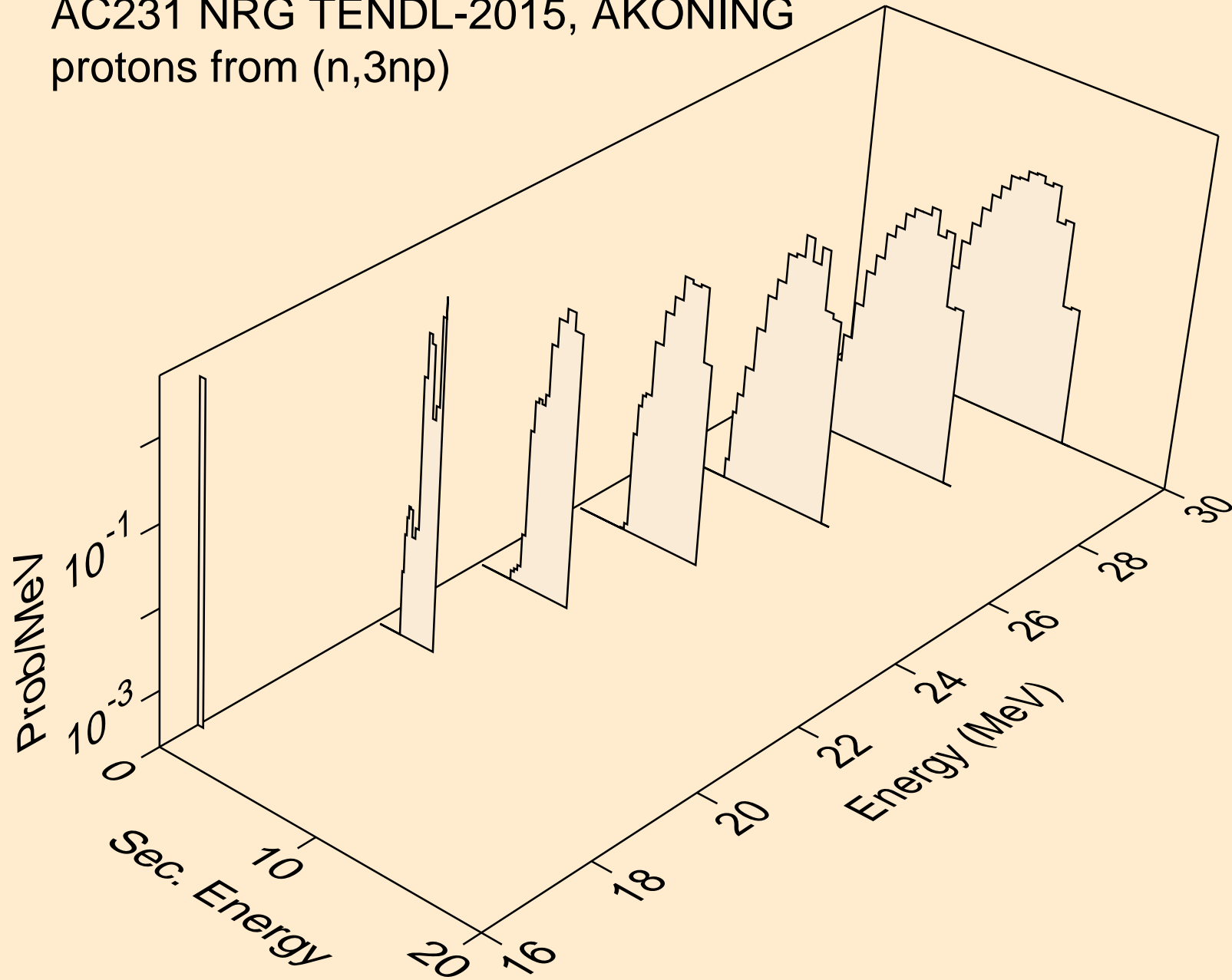
AC231 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



AC231 NRG TENDL-2015, AKONING  
protons from (n,2np)

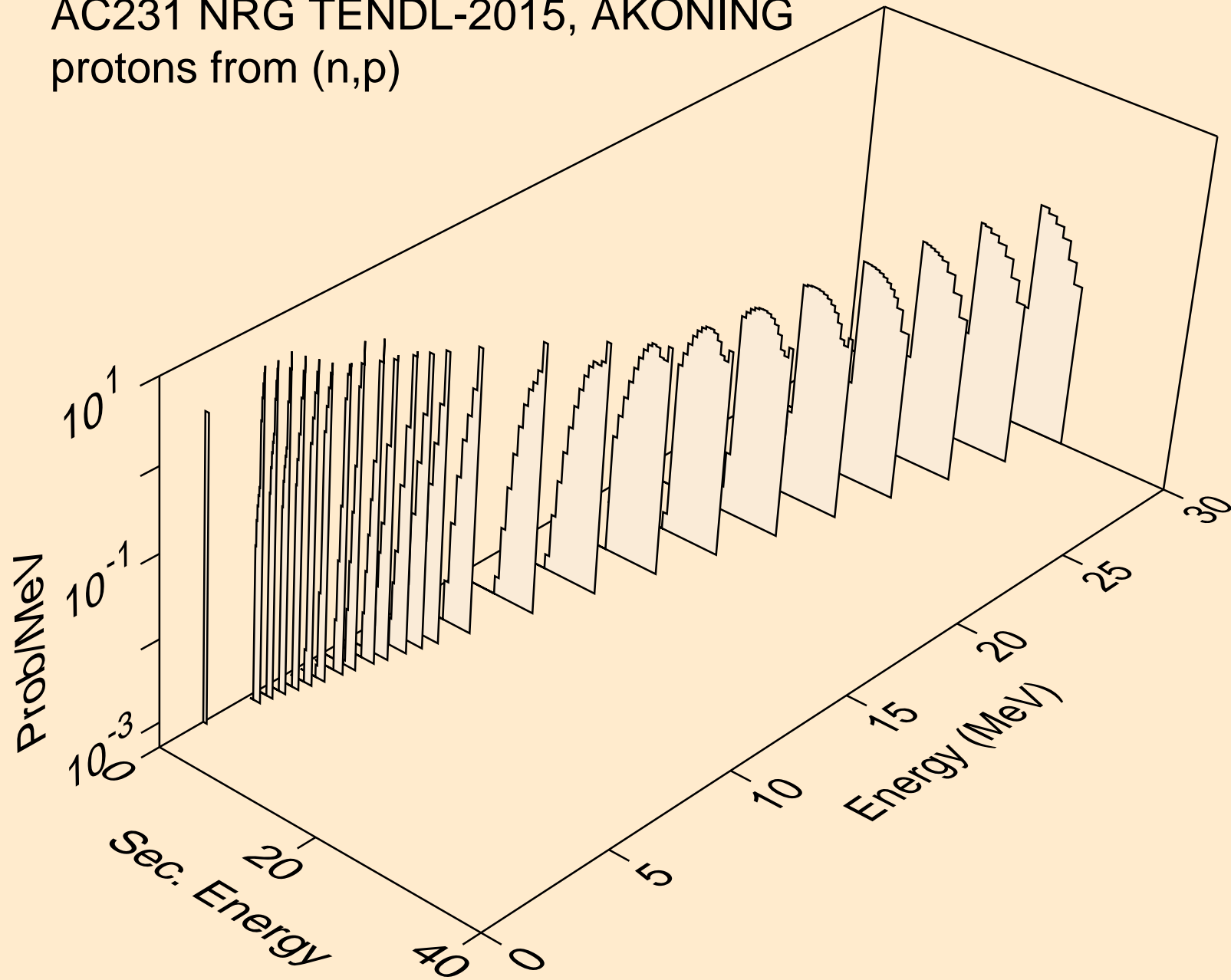


AC231 NRG TENDL-2015, AKONING  
protons from (n,3np)

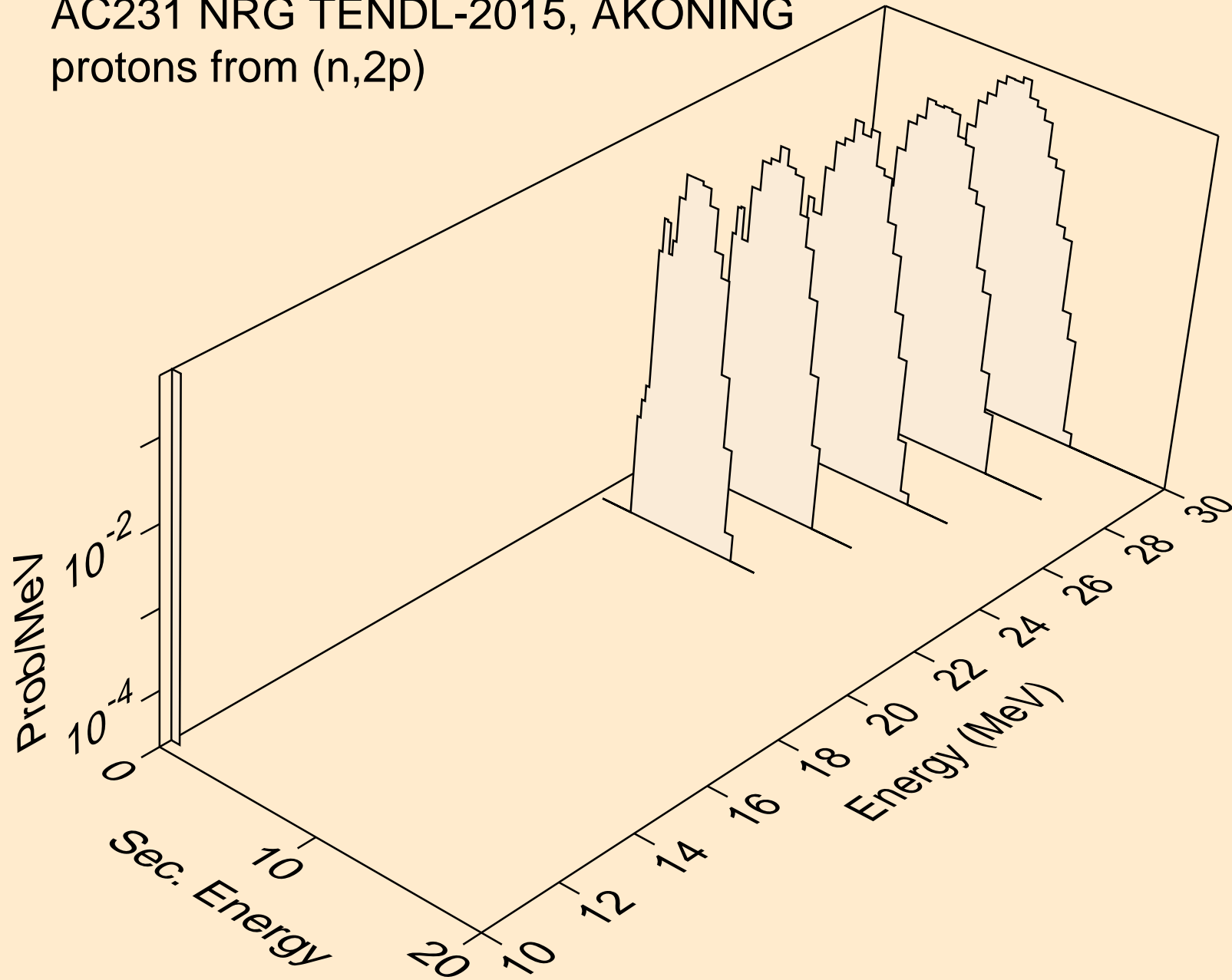




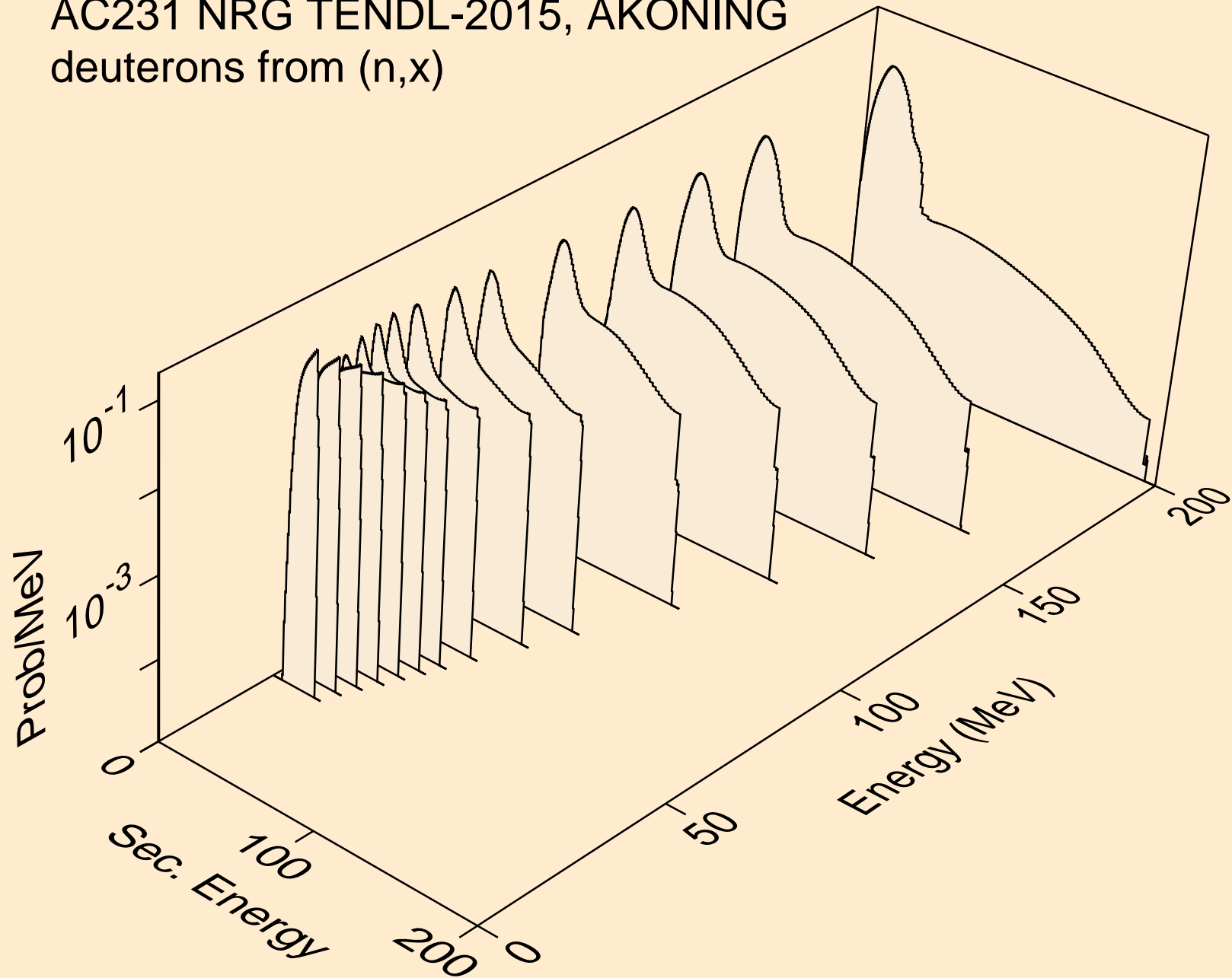
AC231 NRG TENDL-2015, AKONING  
protons from (n,p)



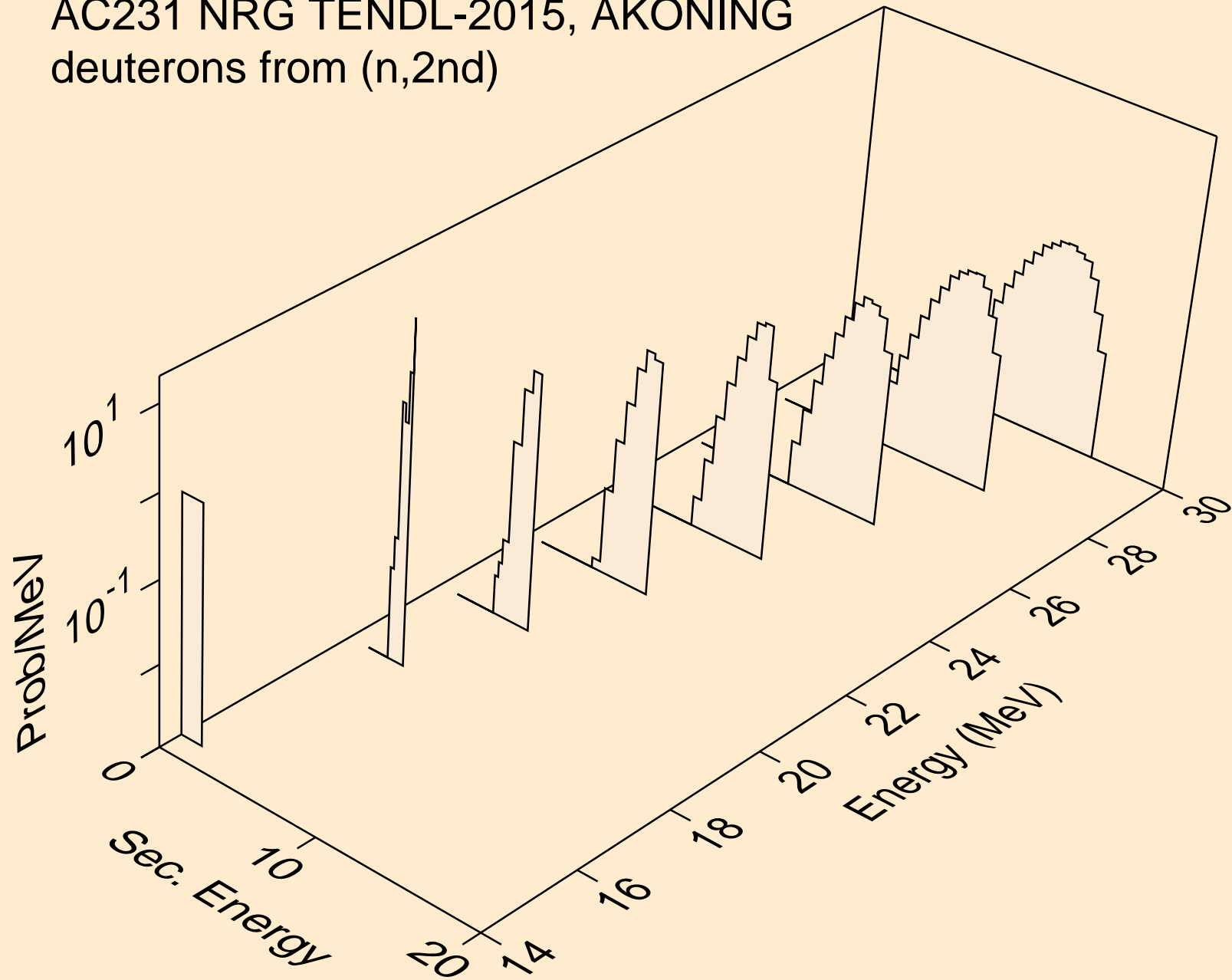
AC231 NRG TENDL-2015, AKONING  
protons from (n,2p)



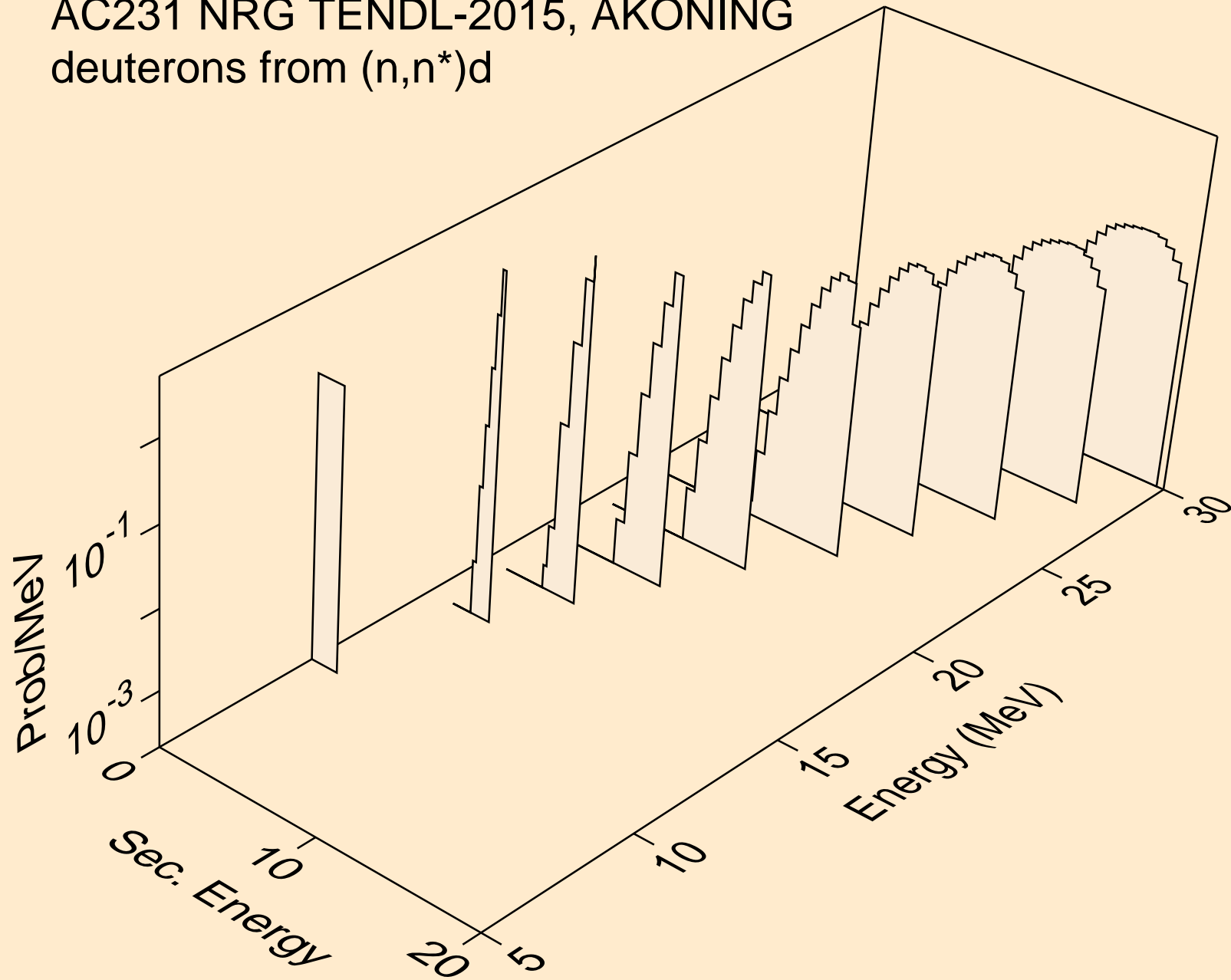
AC231 NRG TENDL-2015, AKONING  
deuterons from (n,x)



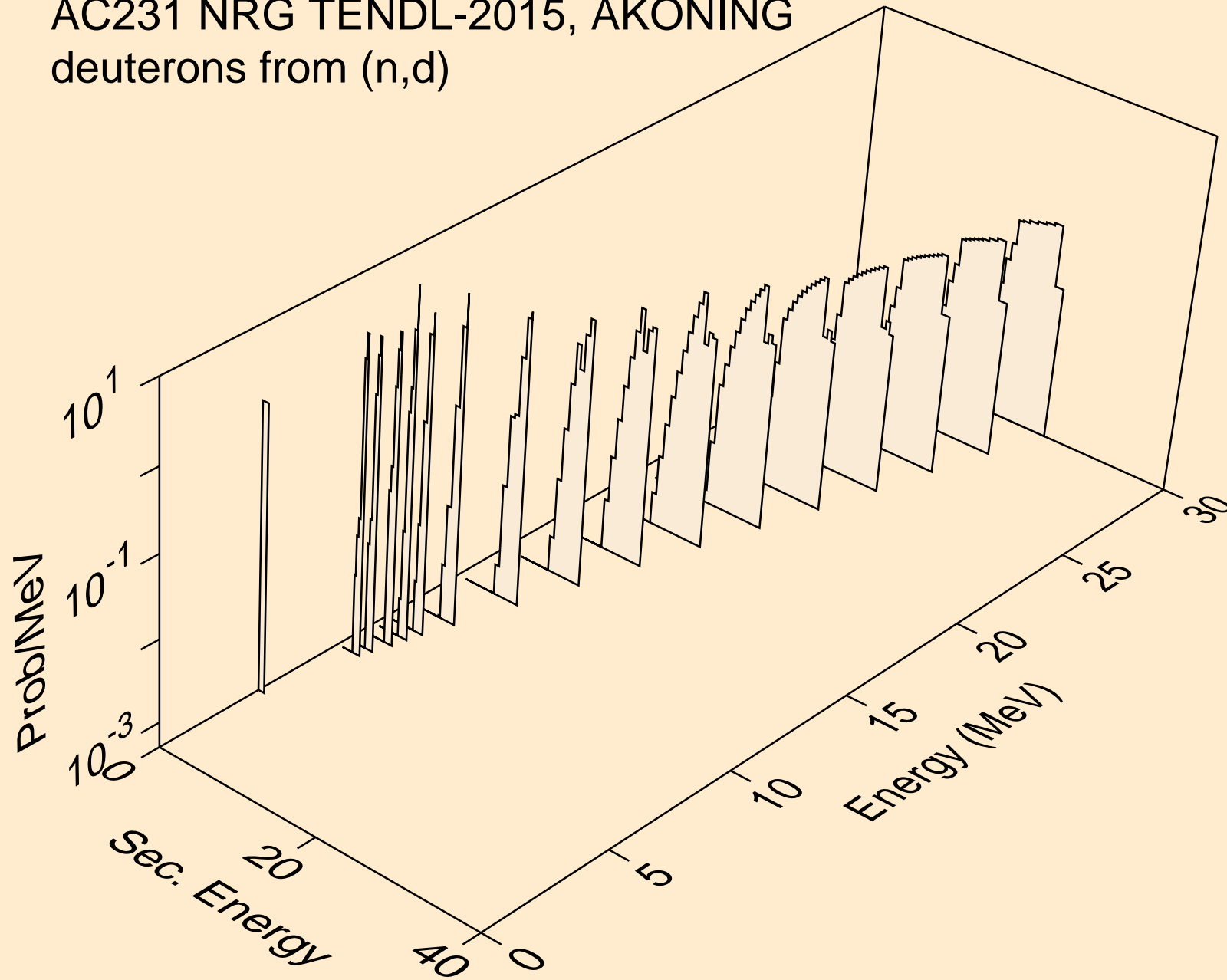
AC231 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



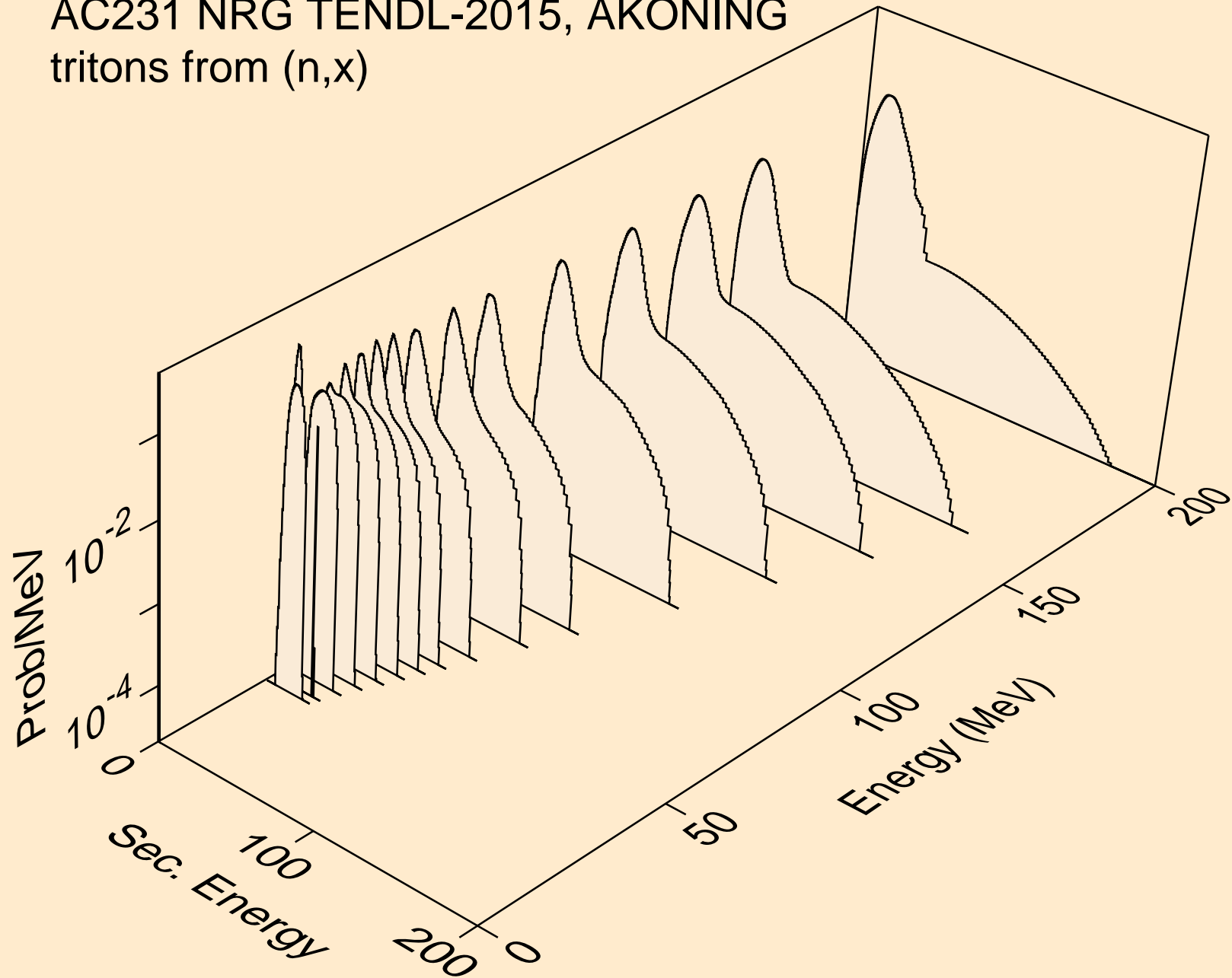
AC231 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



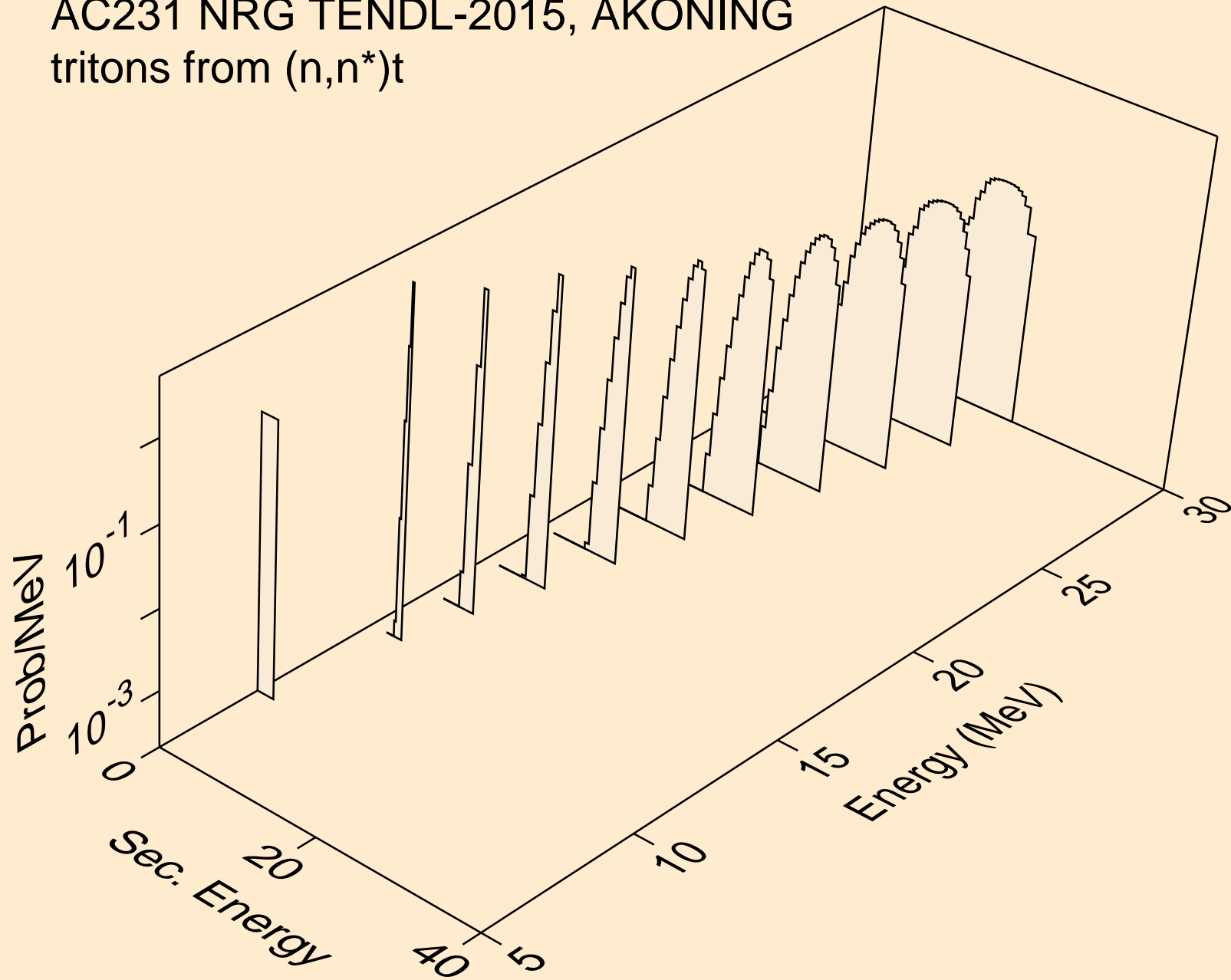
AC231 NRG TENDL-2015, AKONING  
deuterons from (n,d)



AC231 NRG TENDL-2015, AKONING  
tritons from (n,x)

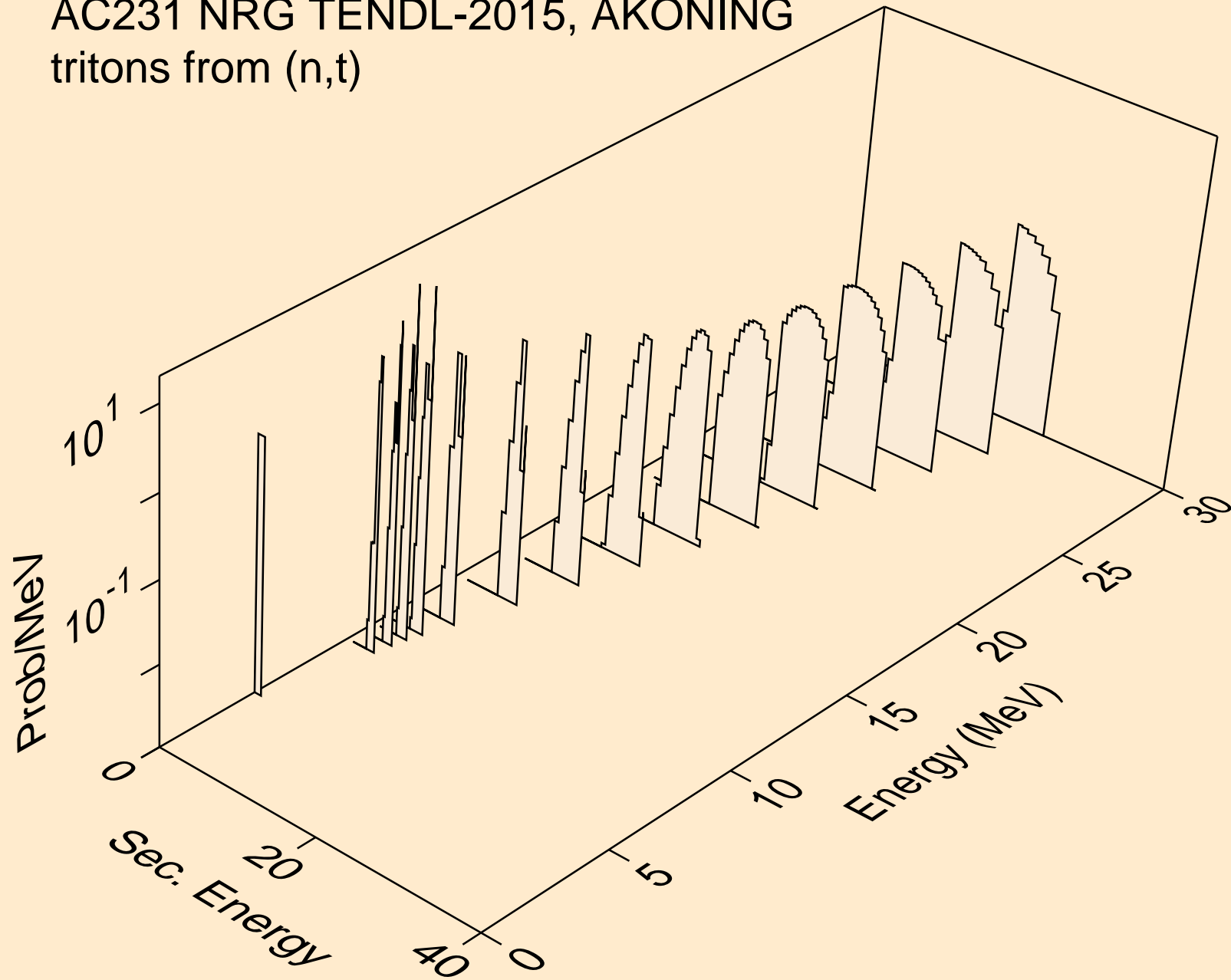


AC231 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t

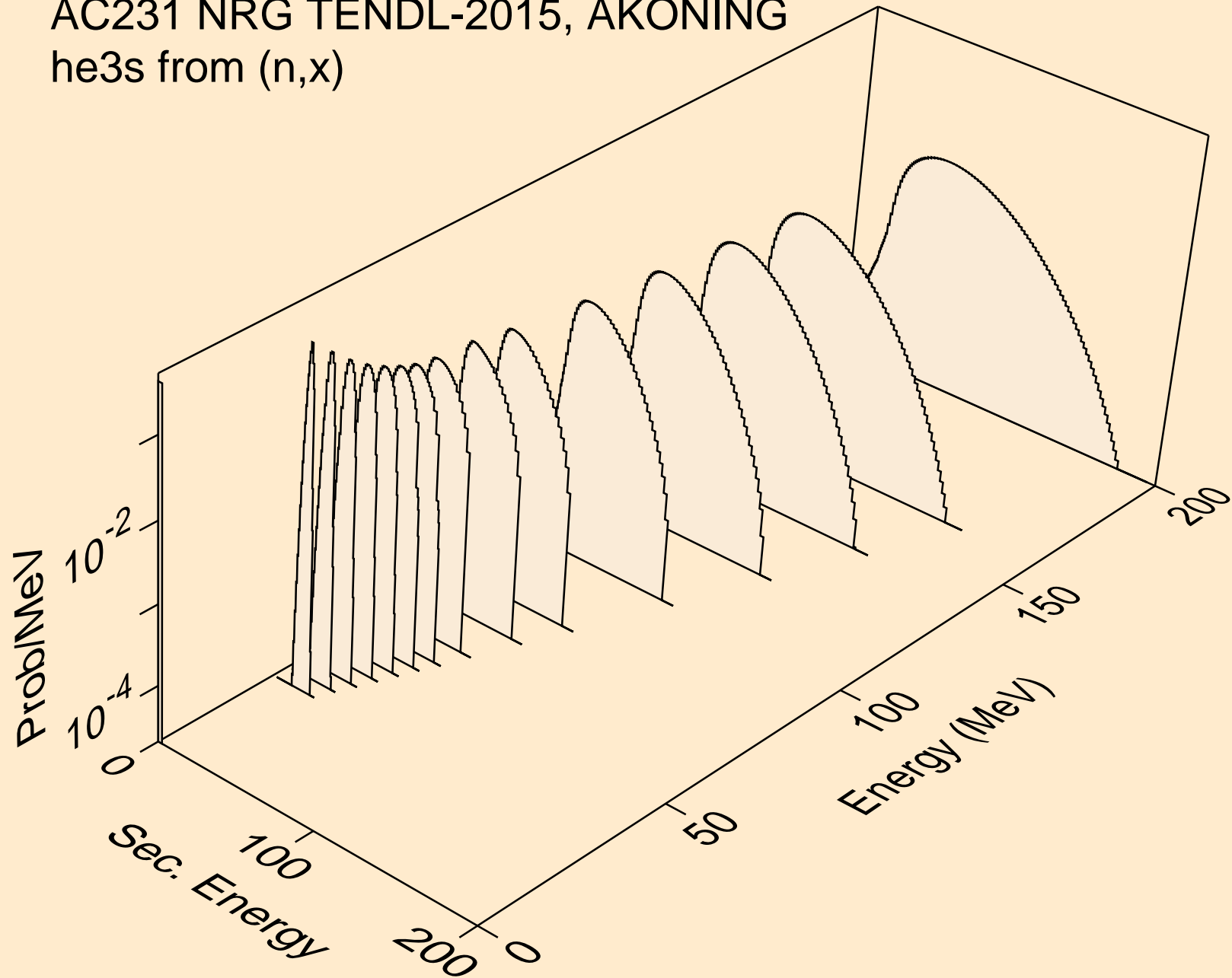




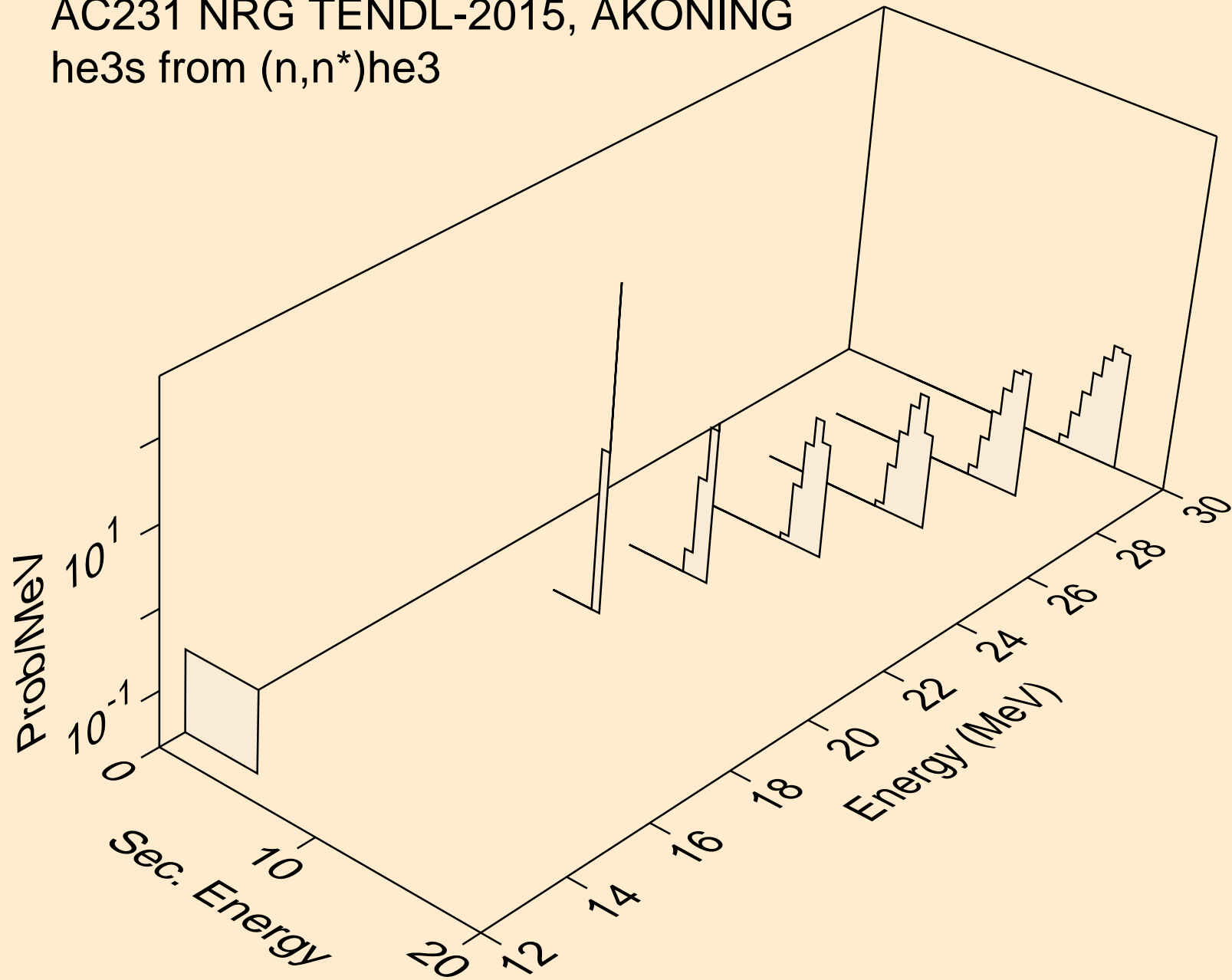
AC231 NRG TENDL-2015, AKONING  
tritons from (n,t)



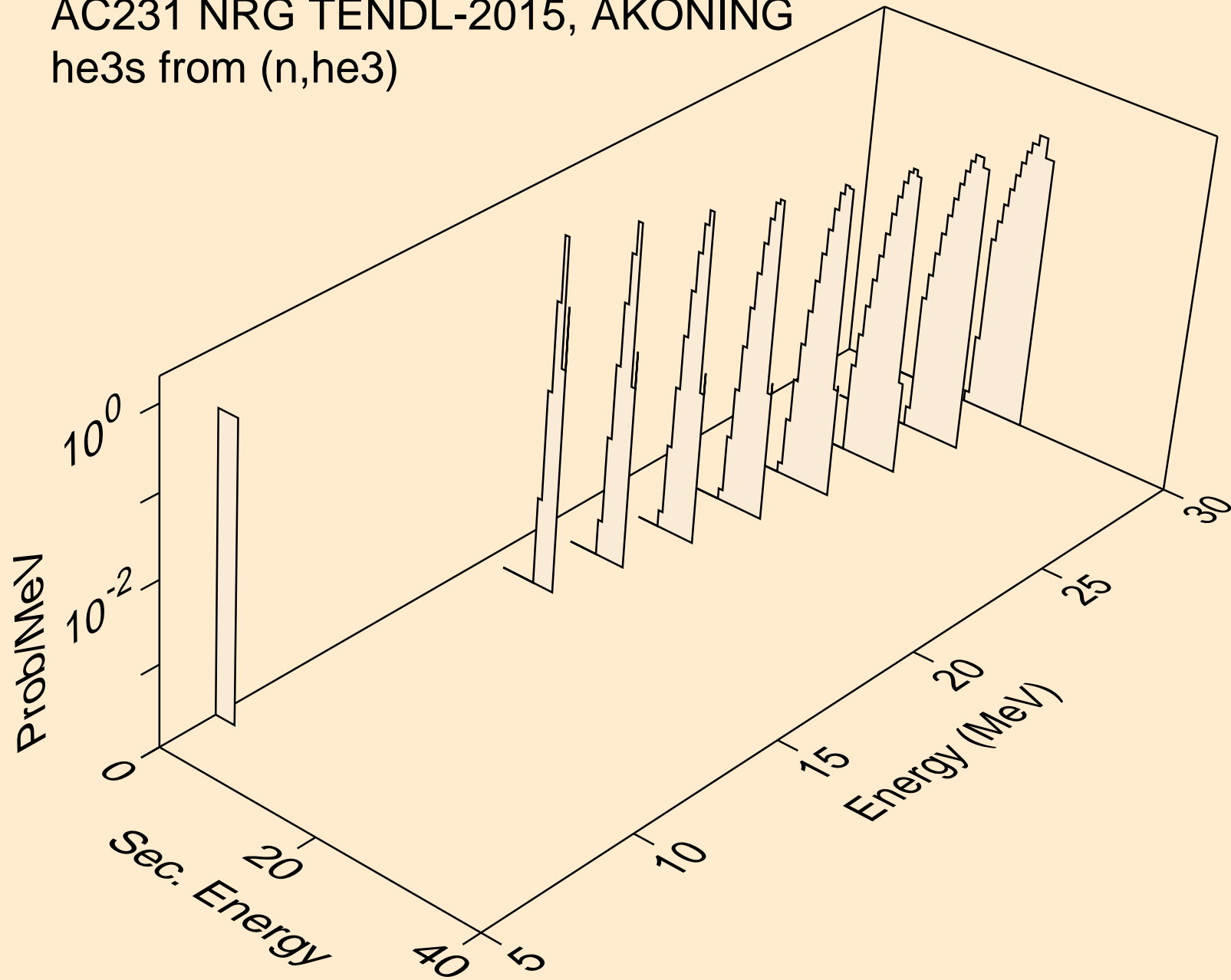
AC231 NRG TENDL-2015, AKONING  
he3s from (n,x)



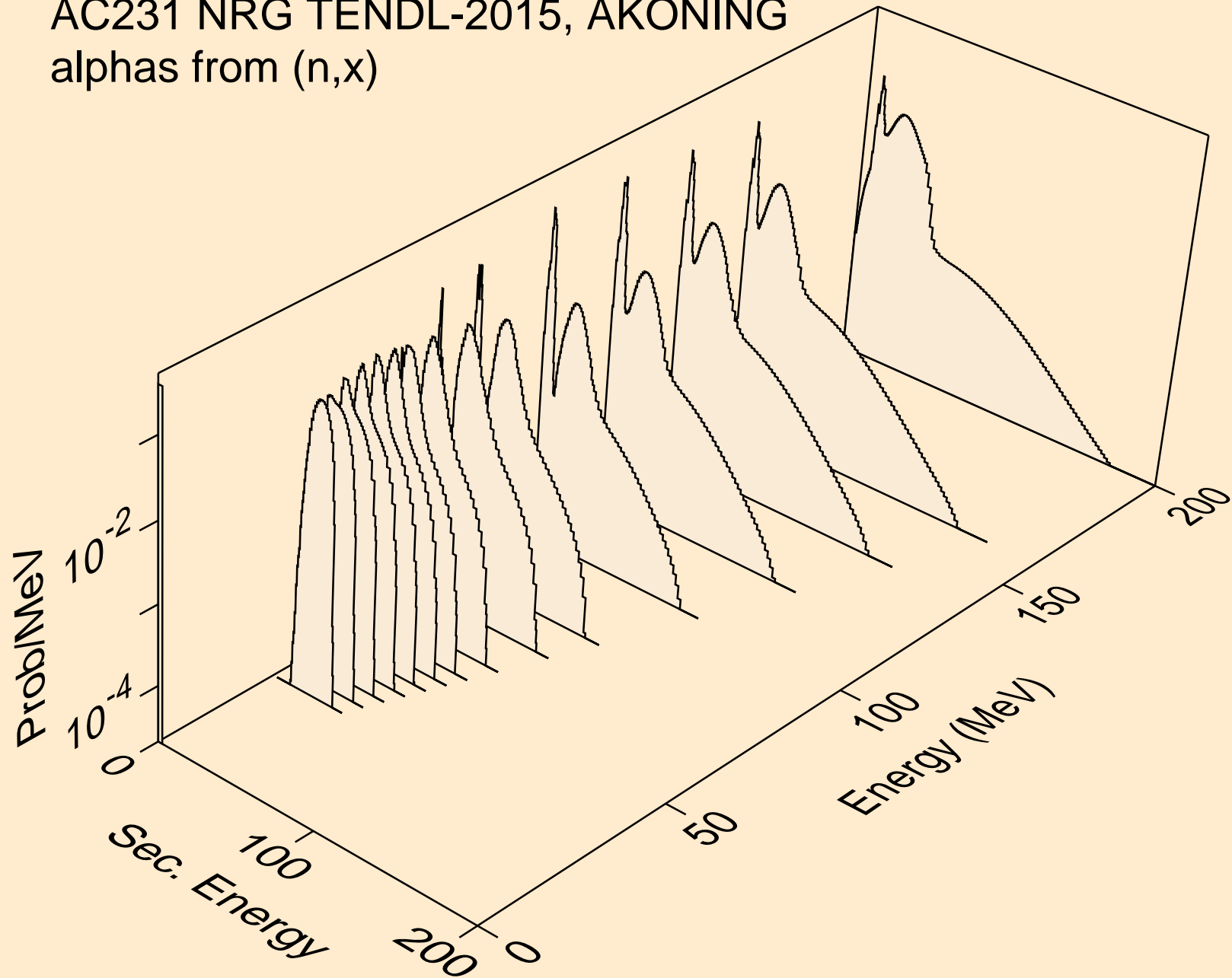
AC231 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



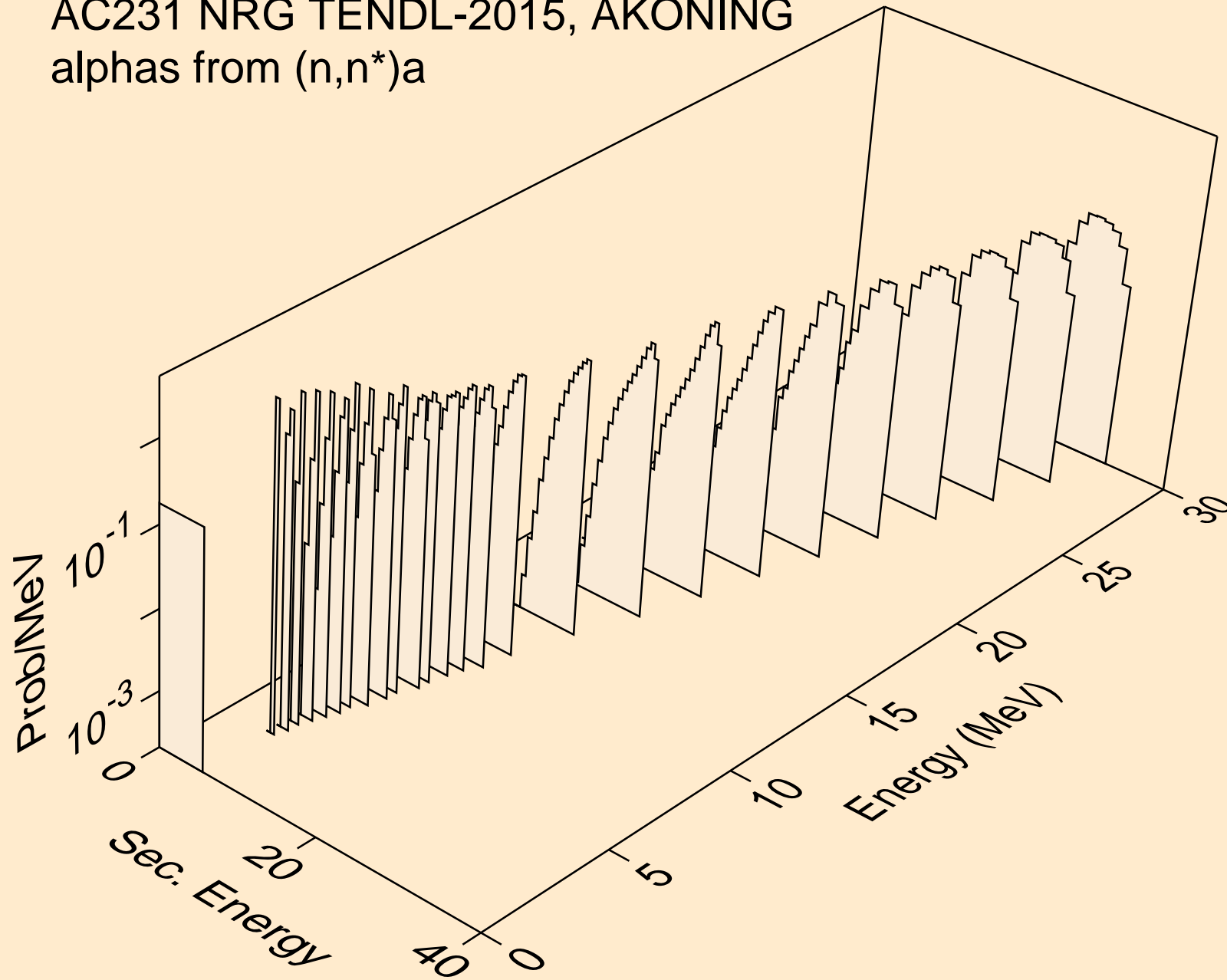
AC231 NRG TENDL-2015, AKONING  
he3s from (n,he3)



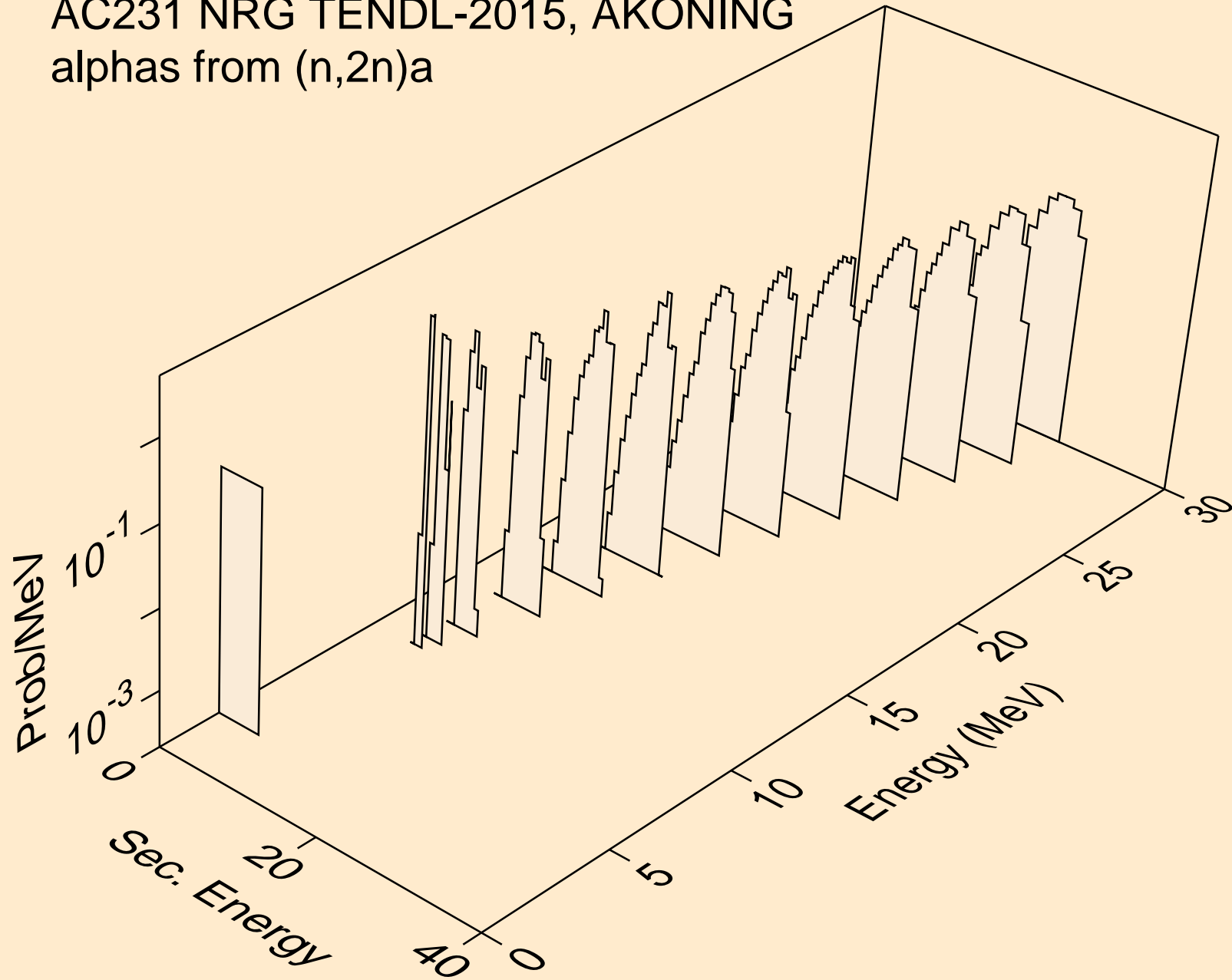
AC231 NRG TENDL-2015, AKONING  
alphas from (n,x)



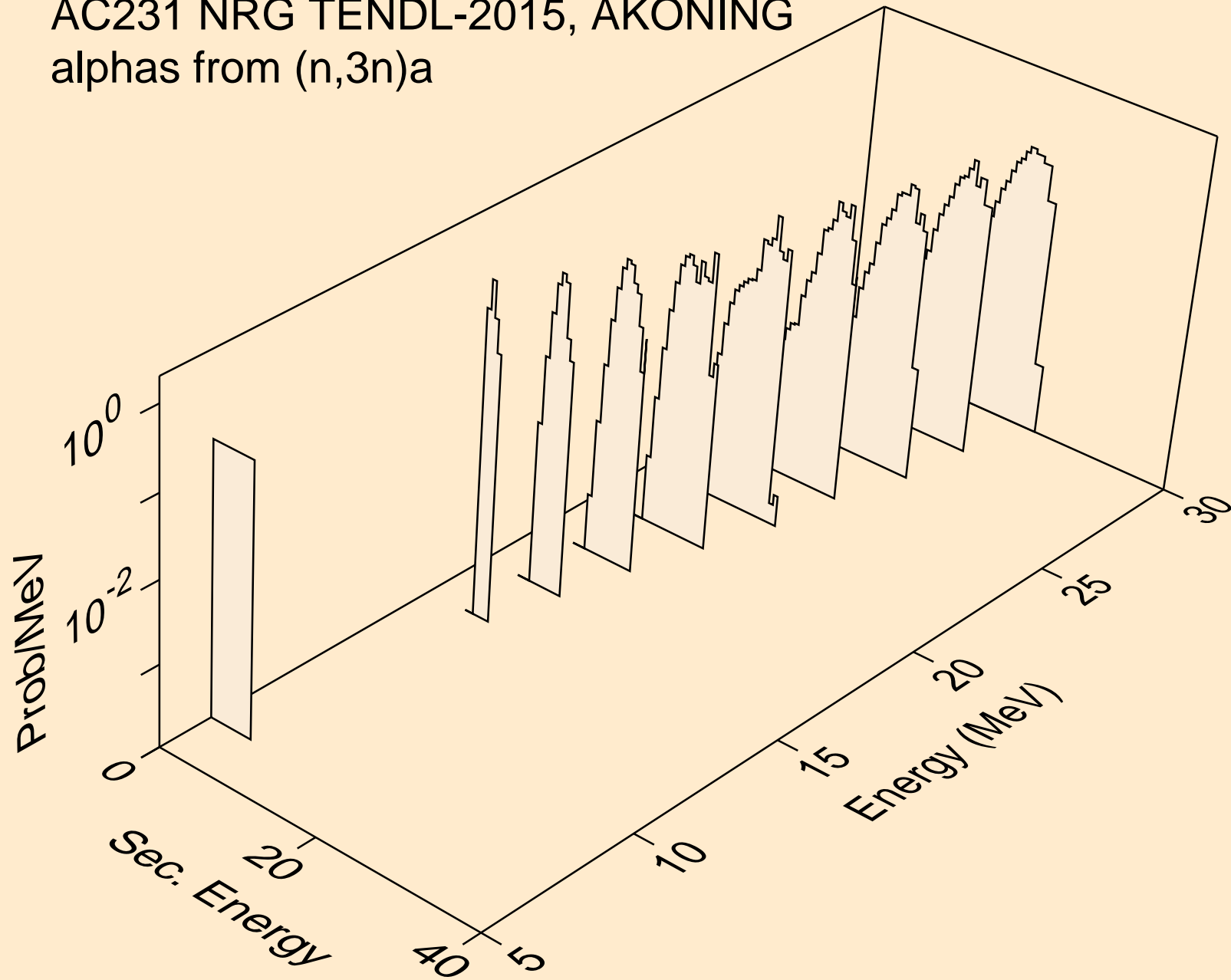
AC231 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



AC231 NRG TENDL-2015, AKONING  
alphas from (n,2n)a



AC231 NRG TENDL-2015, AKONING  
alphas from (n,3n)a





AC231 NRG TENDL-2015, AKONING  
alphas from (n,a)

