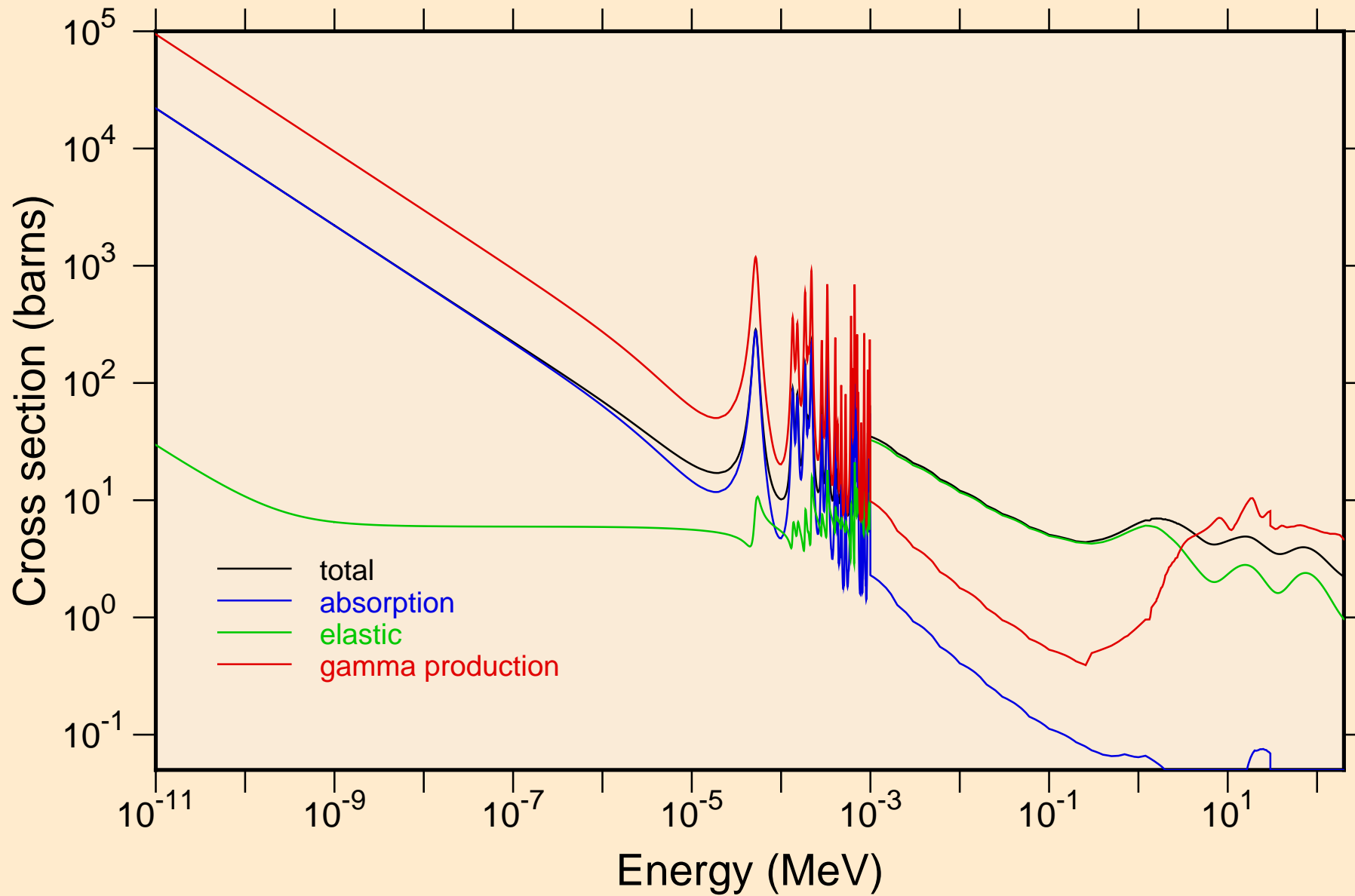


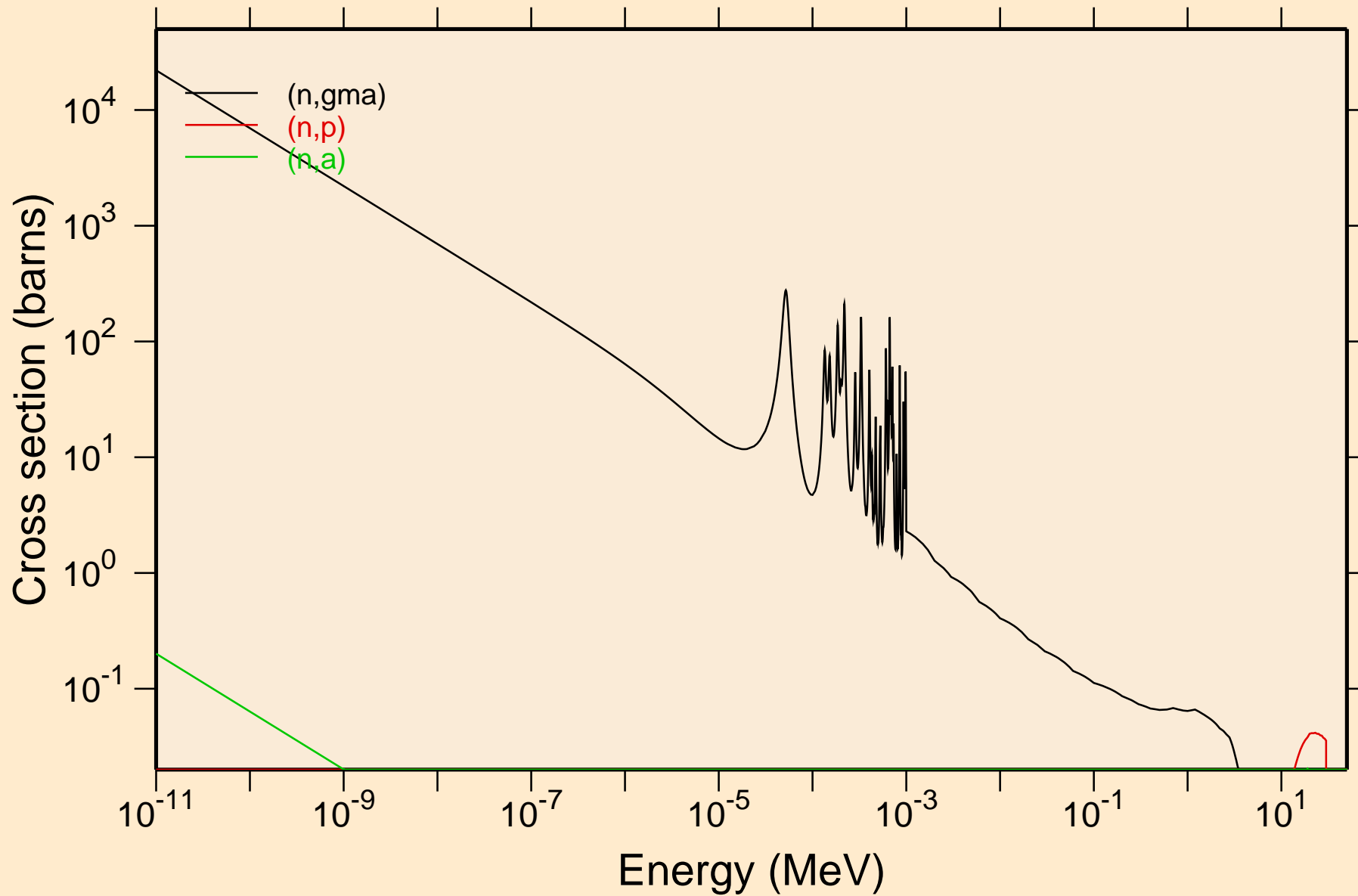
# CE139 NRG TENDL-2015, AKONING

## Principal cross sections



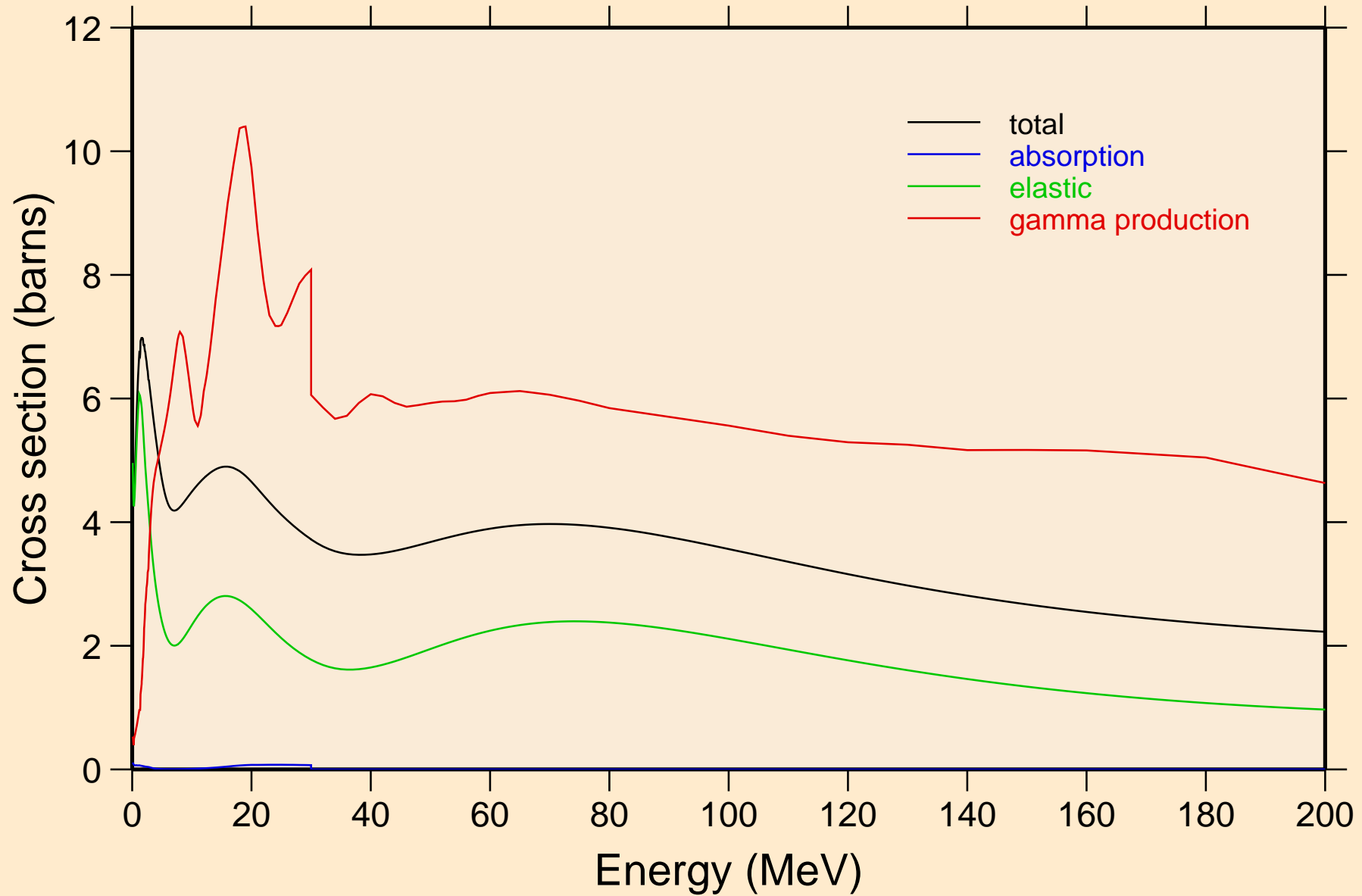
# CE139 NRG TENDL-2015, AKONING

## Non-threshold reactions



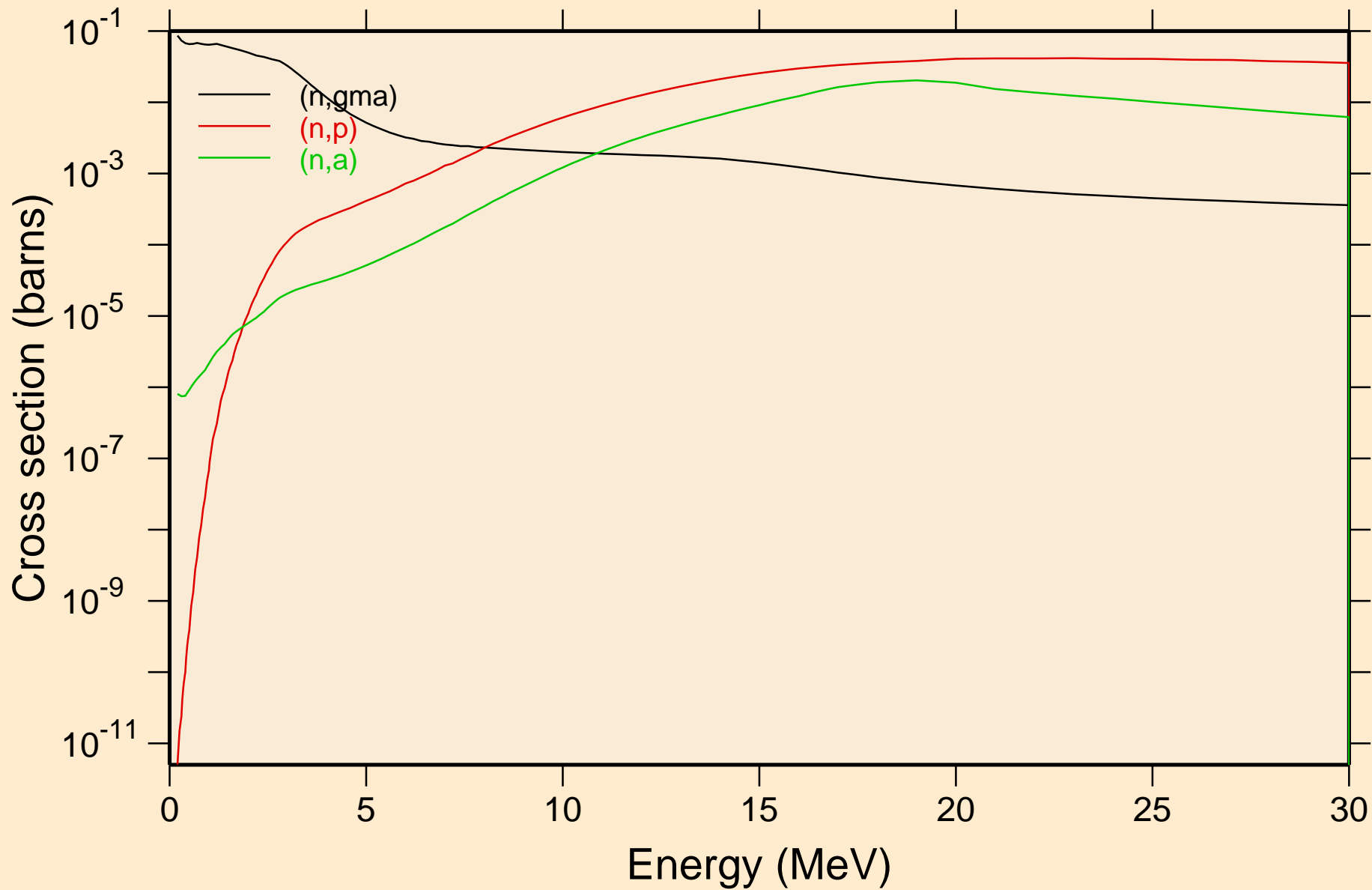
# CE139 NRG TENDL-2015, AKONING

## Principal cross sections



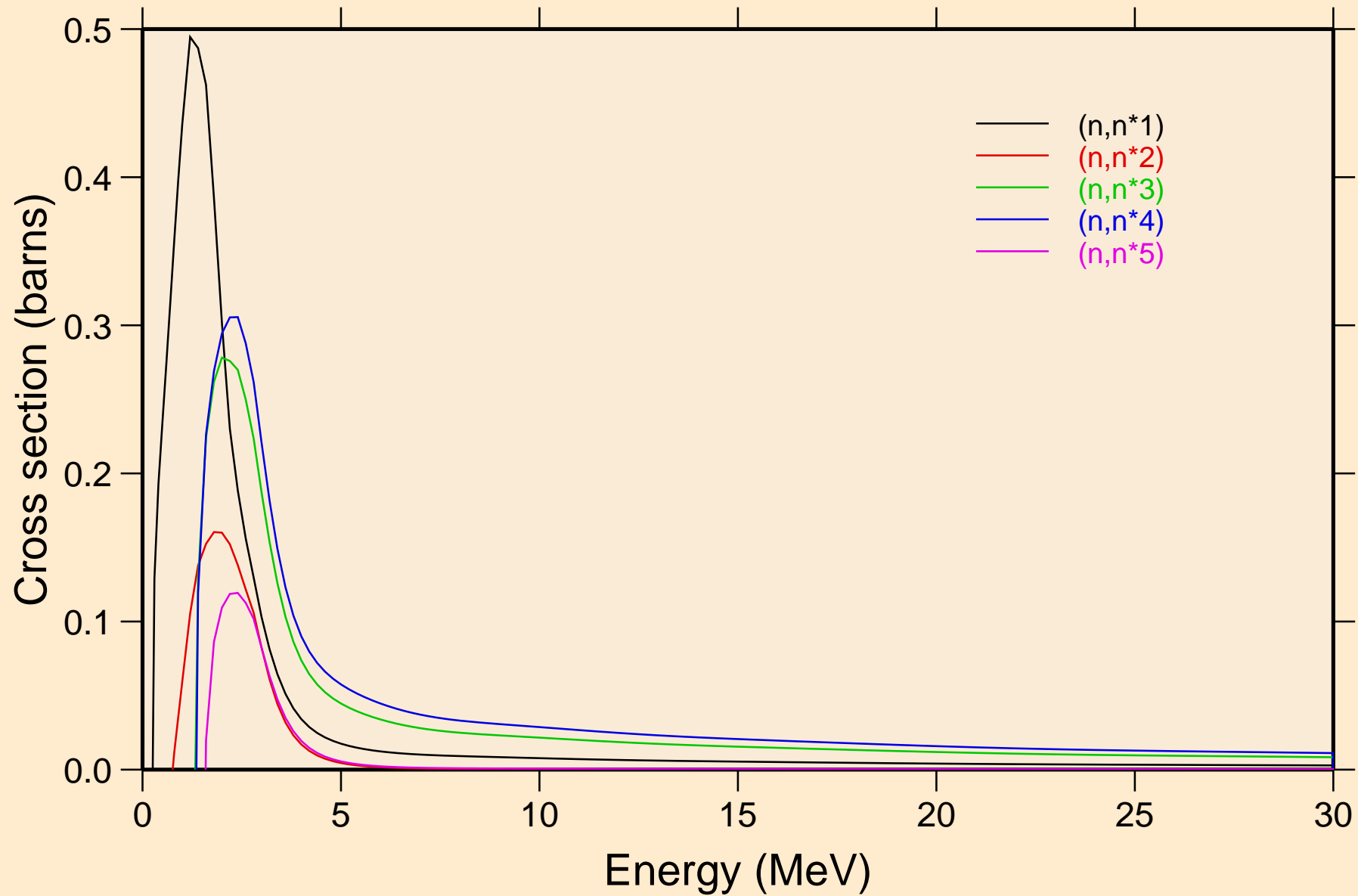
# CE139 NRG TENDL-2015, AKONING

## Non-threshold reactions



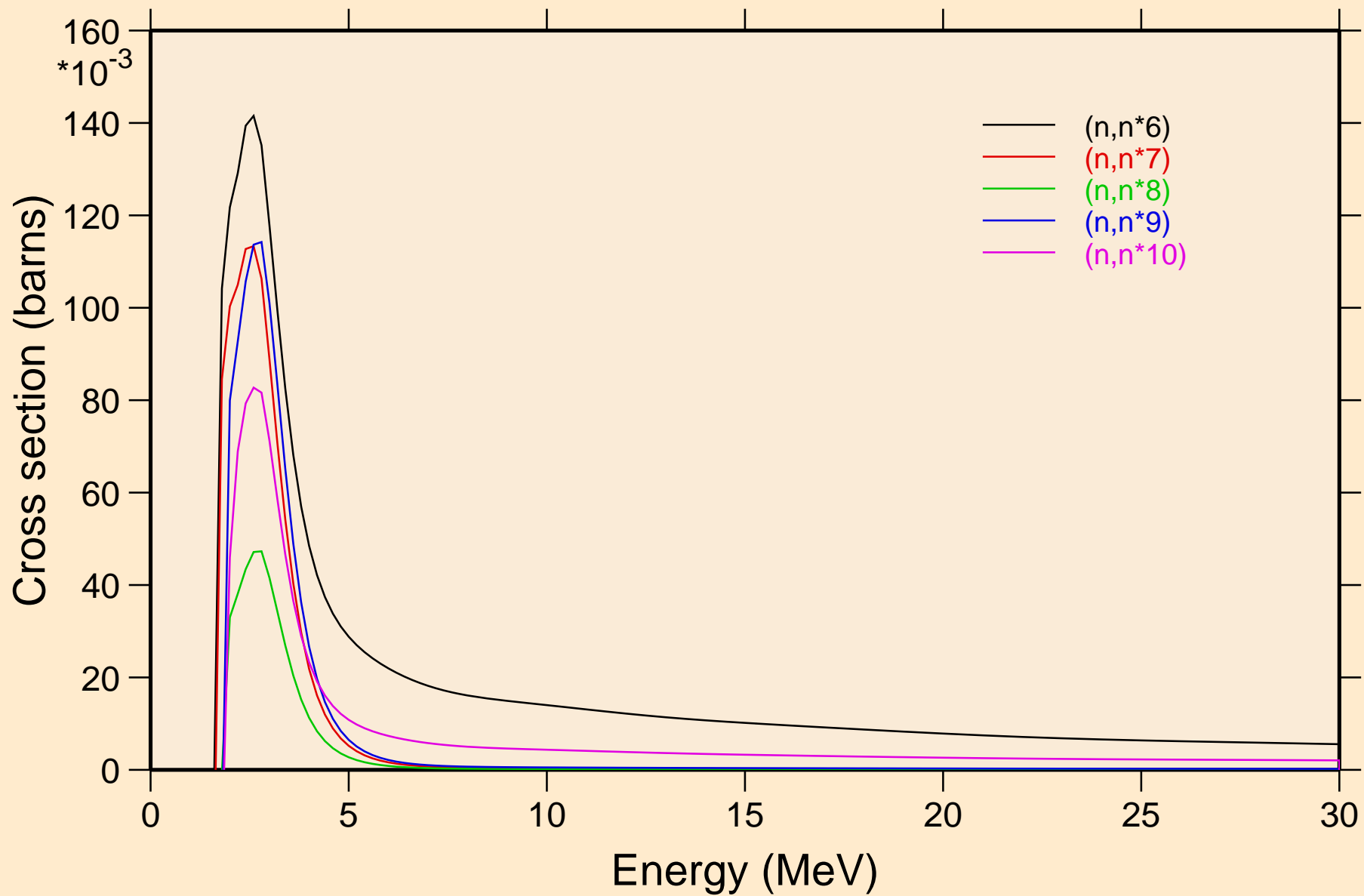
# CE139 NRG TENDL-2015, AKONING

## Inelastic levels



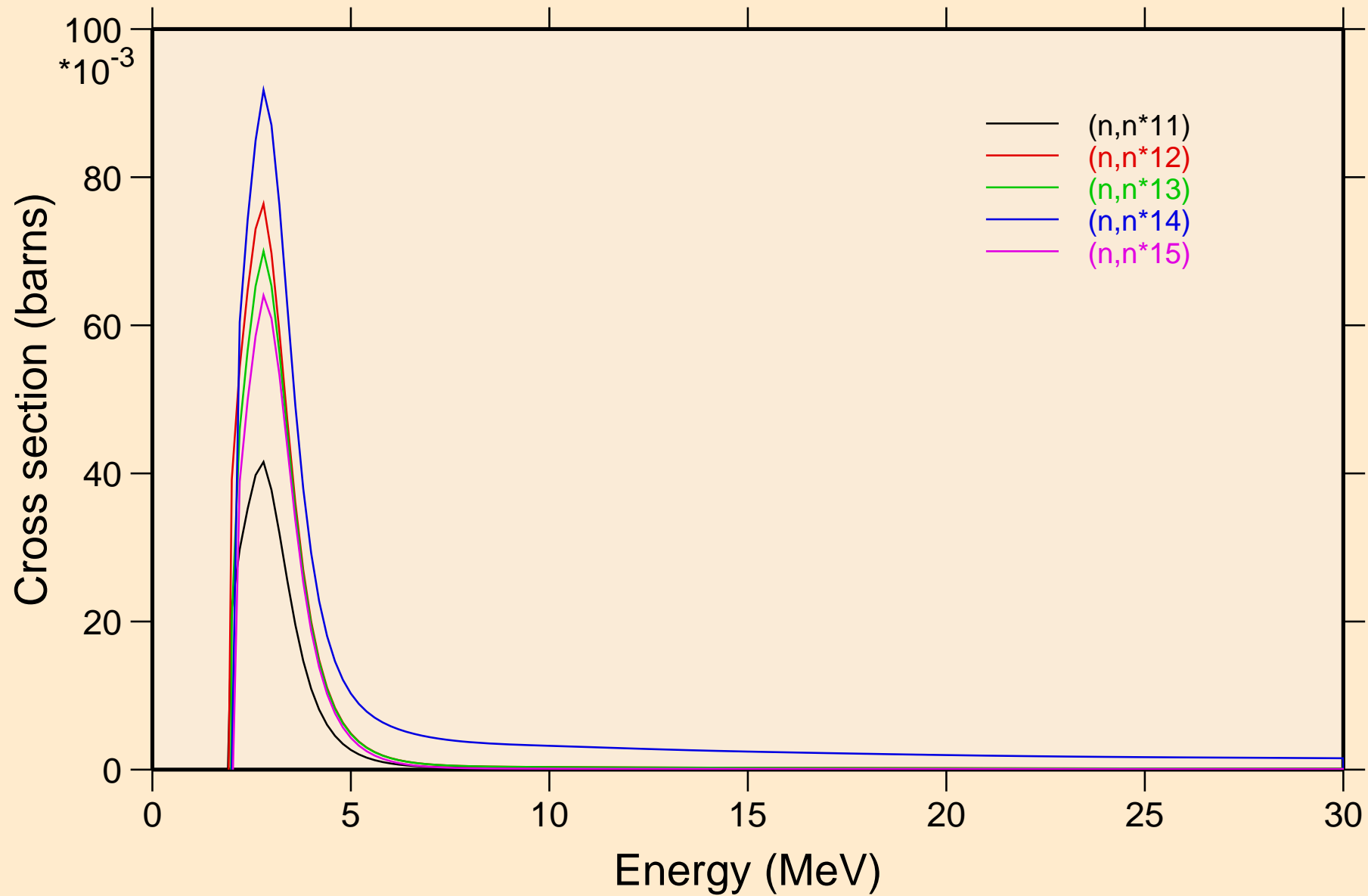
# CE139 NRG TENDL-2015, AKONING

## Inelastic levels



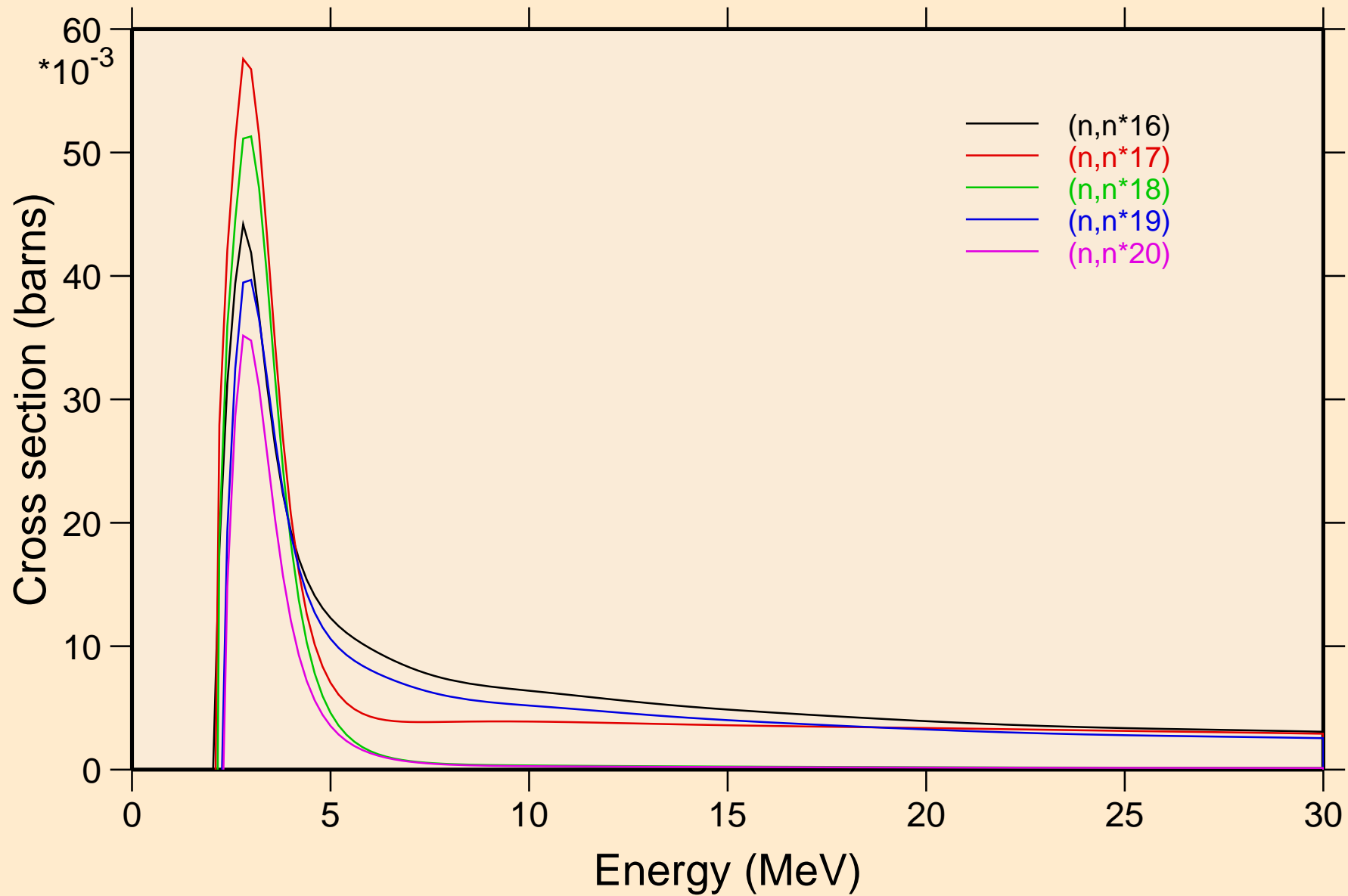
# CE139 NRG TENDL-2015, AKONING

## Inelastic levels



# CE139 NRG TENDL-2015, AKONING

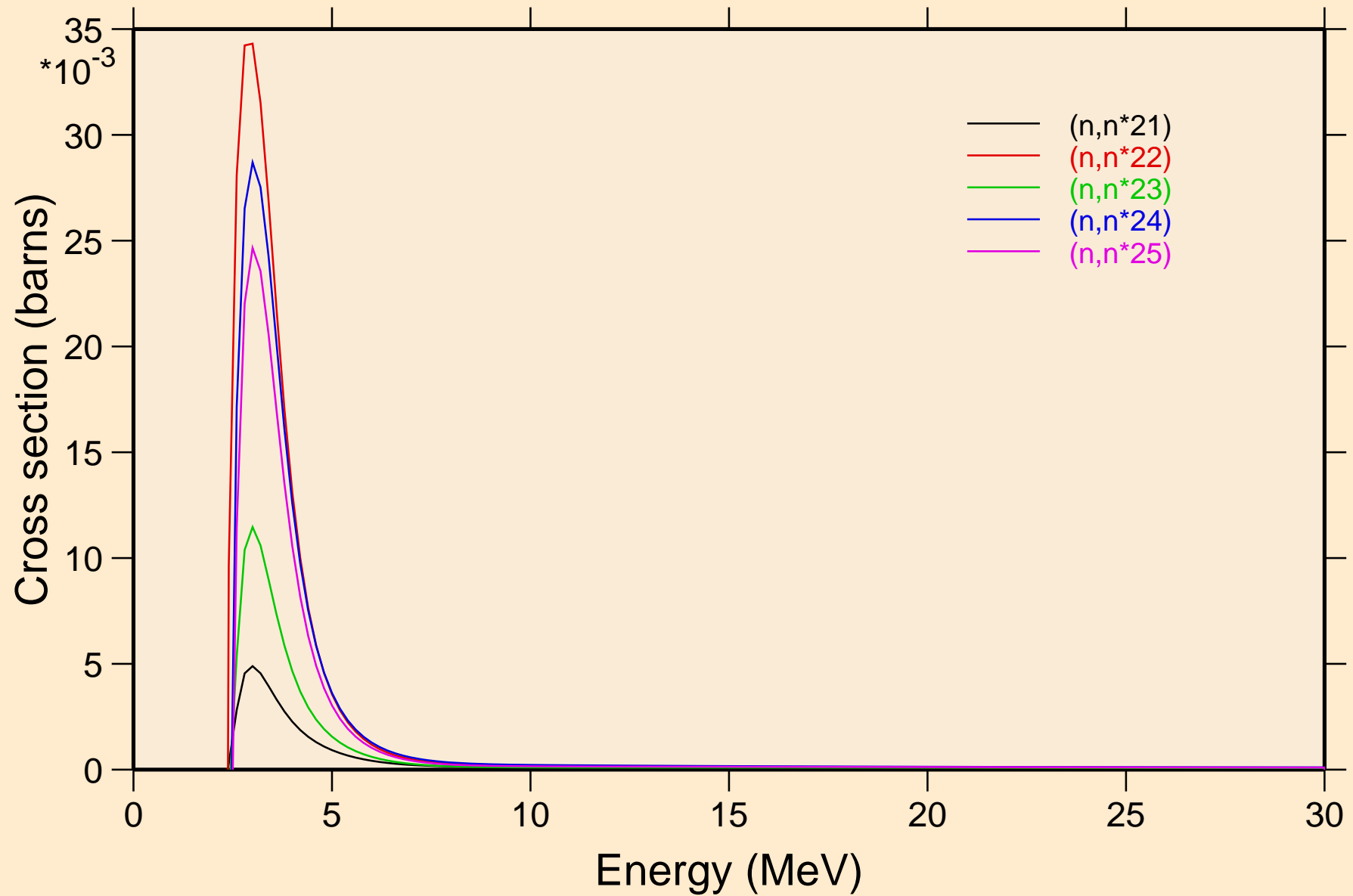
## Inelastic levels





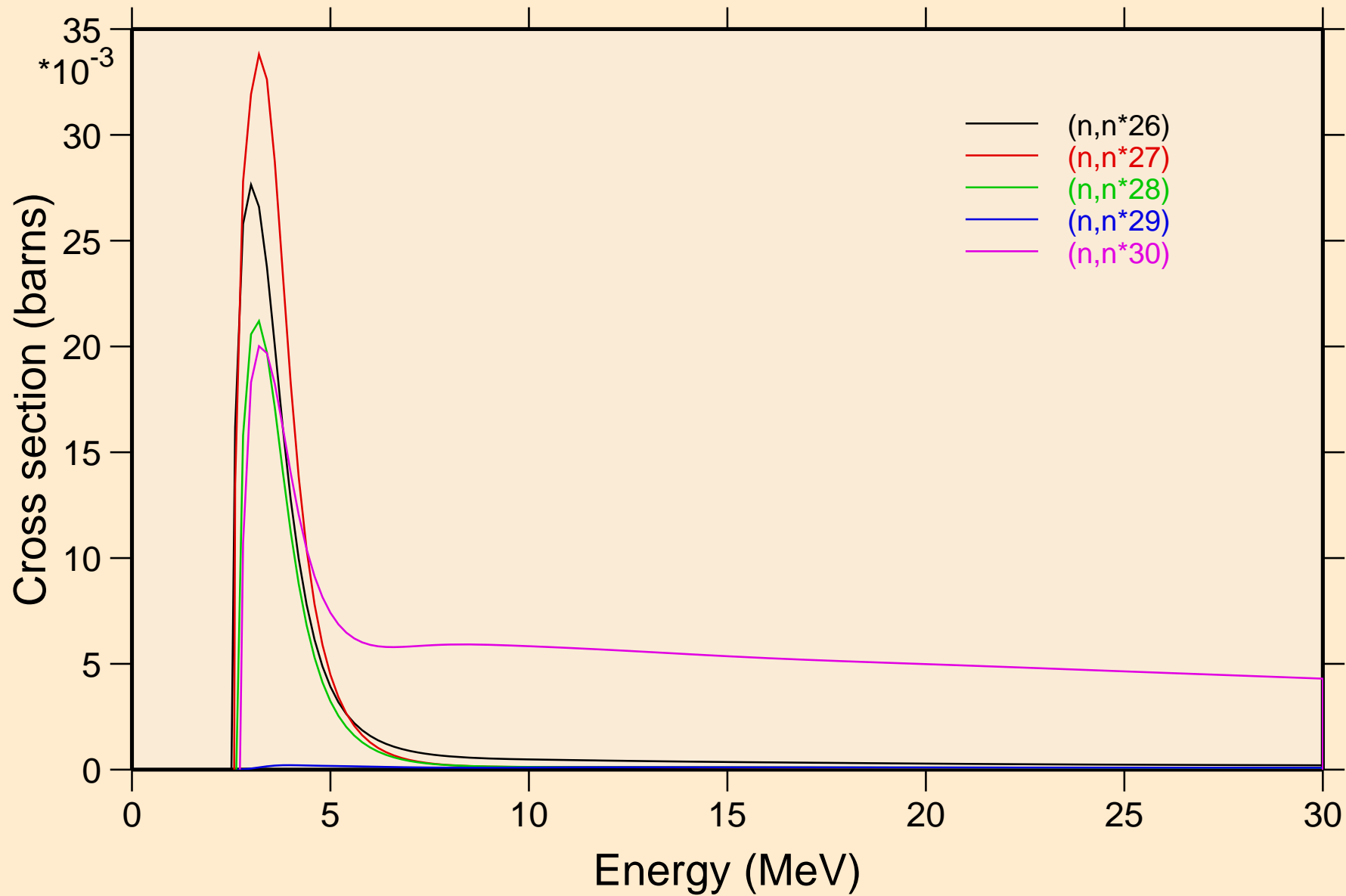
# CE139 NRG TENDL-2015, AKONING

## Inelastic levels



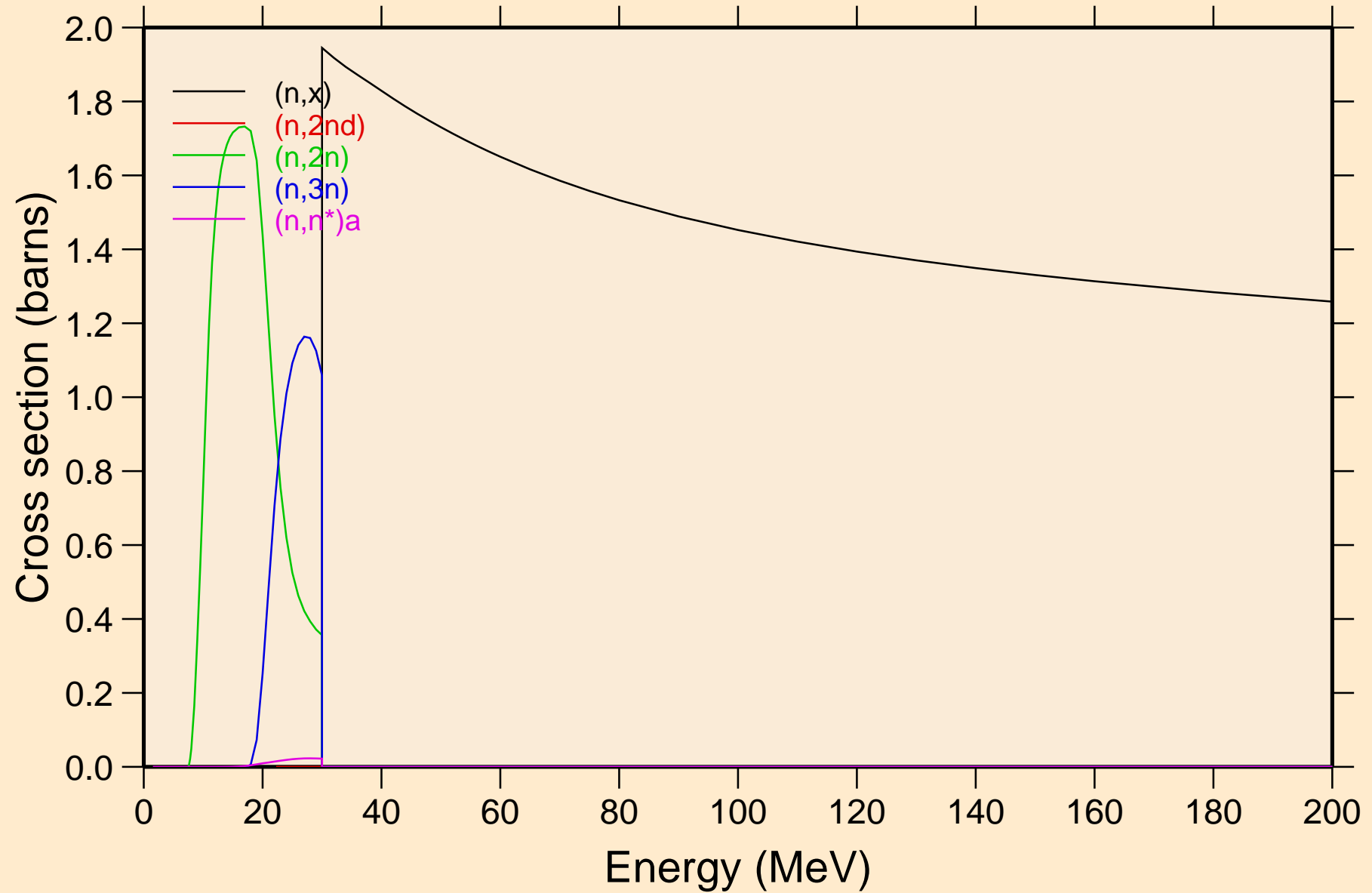
# CE139 NRG TENDL-2015, AKONING

## Inelastic levels



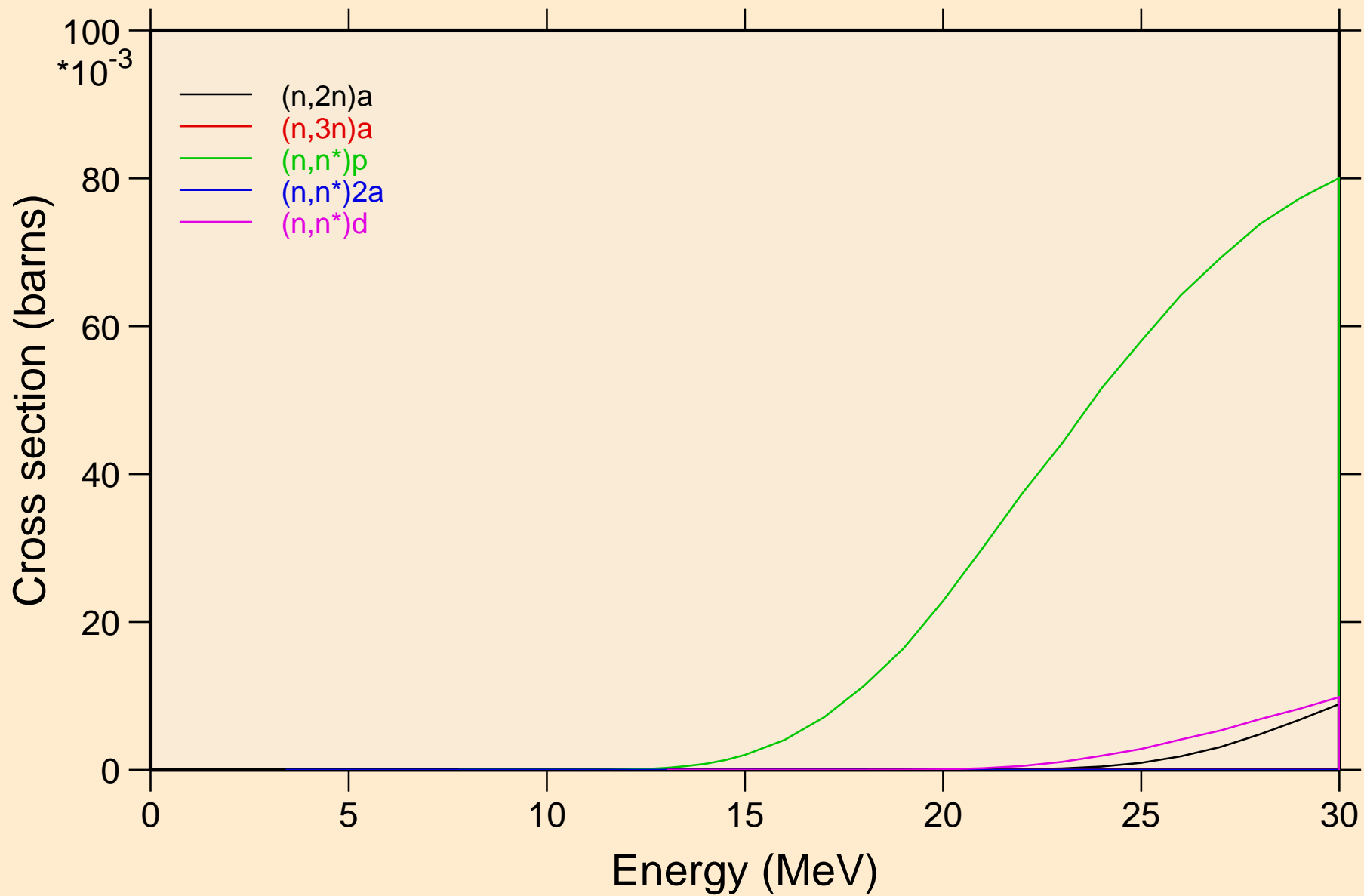
# CE139 NRG TENDL-2015, AKONING

## Threshold reactions



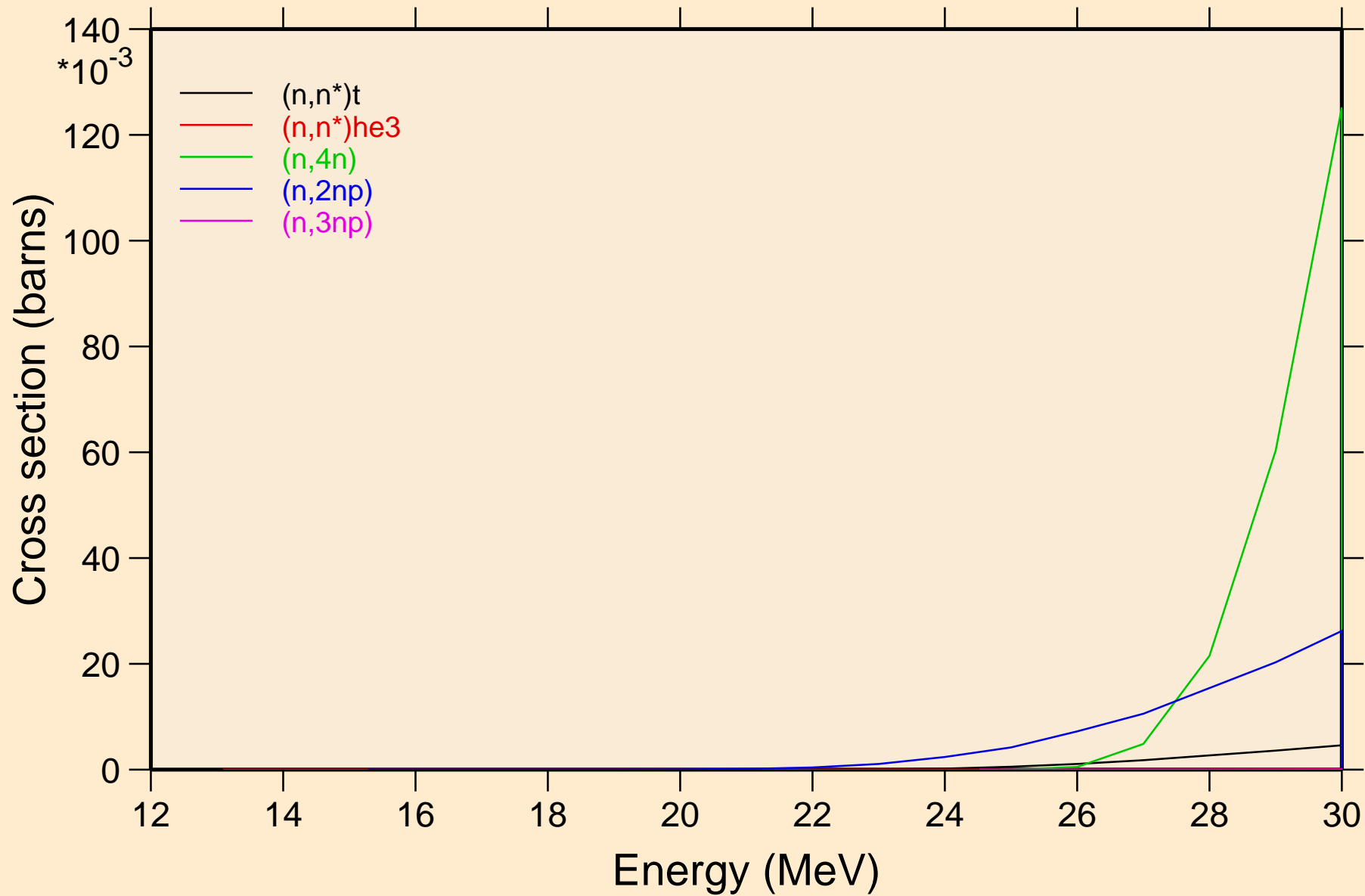
# CE139 NRG TENDL-2015, AKONING

## Threshold reactions



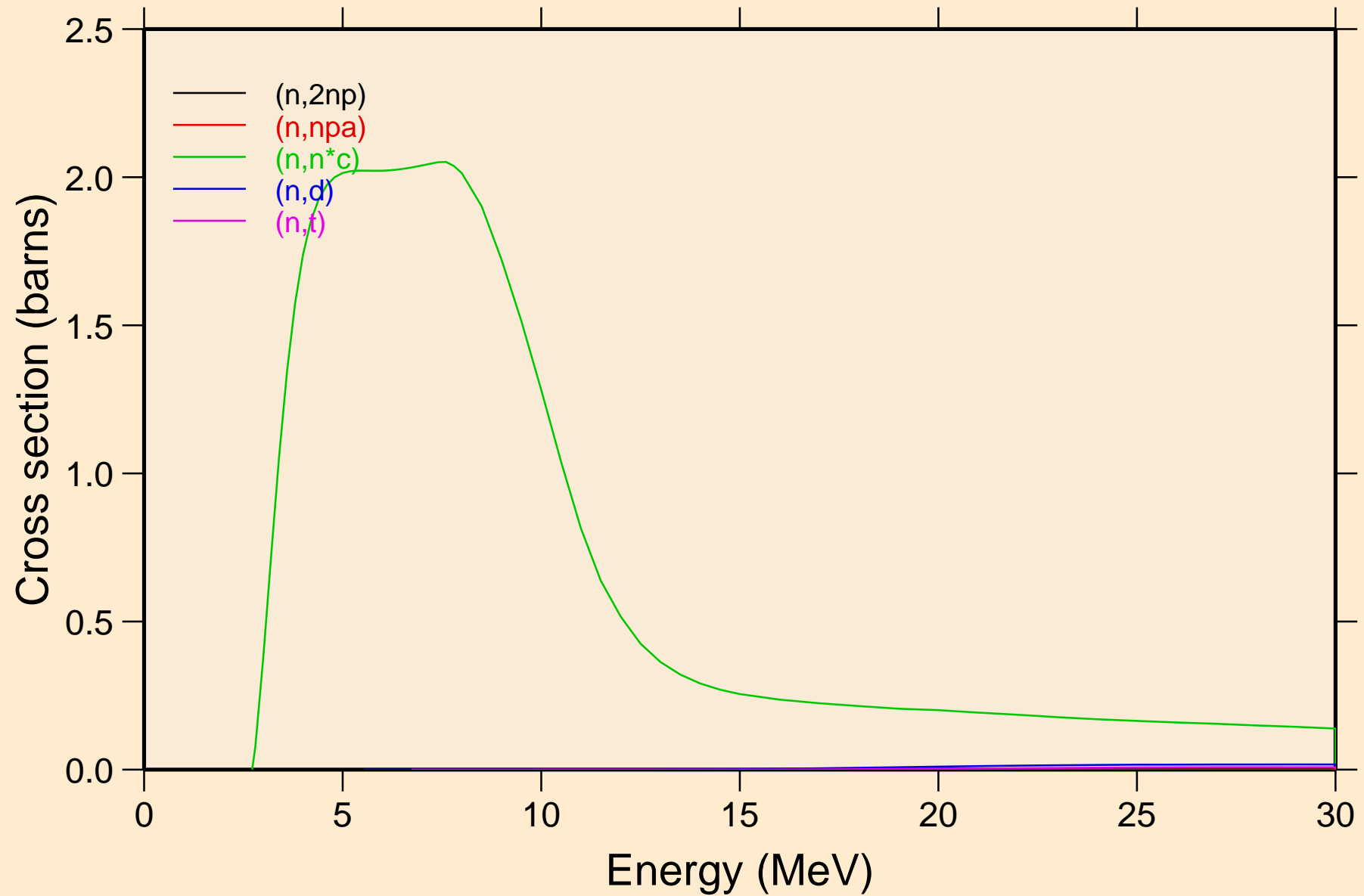
# CE139 NRG TENDL-2015, AKONING

## Threshold reactions



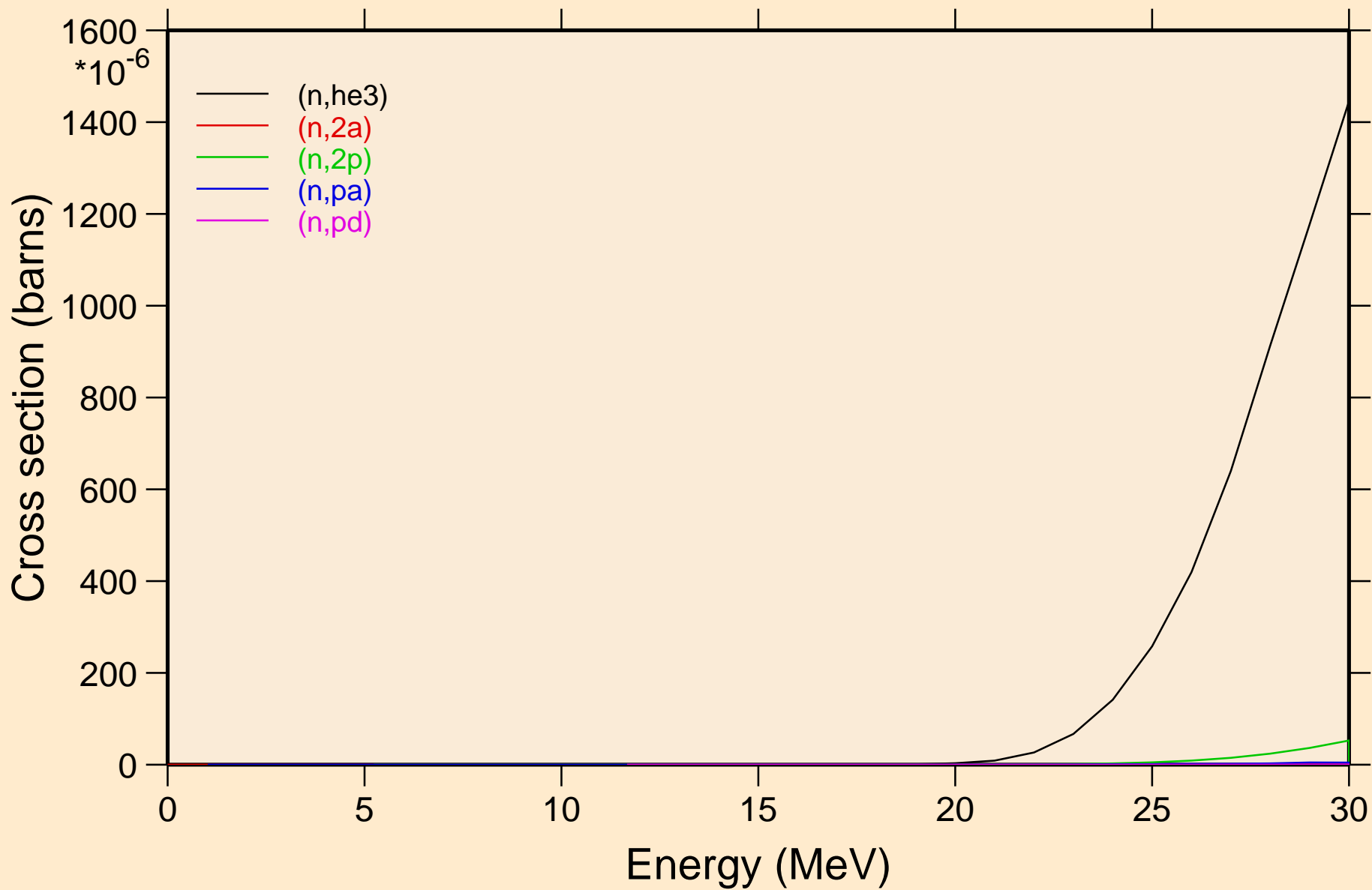
# CE139 NRG TENDL-2015, AKONING

## Threshold reactions



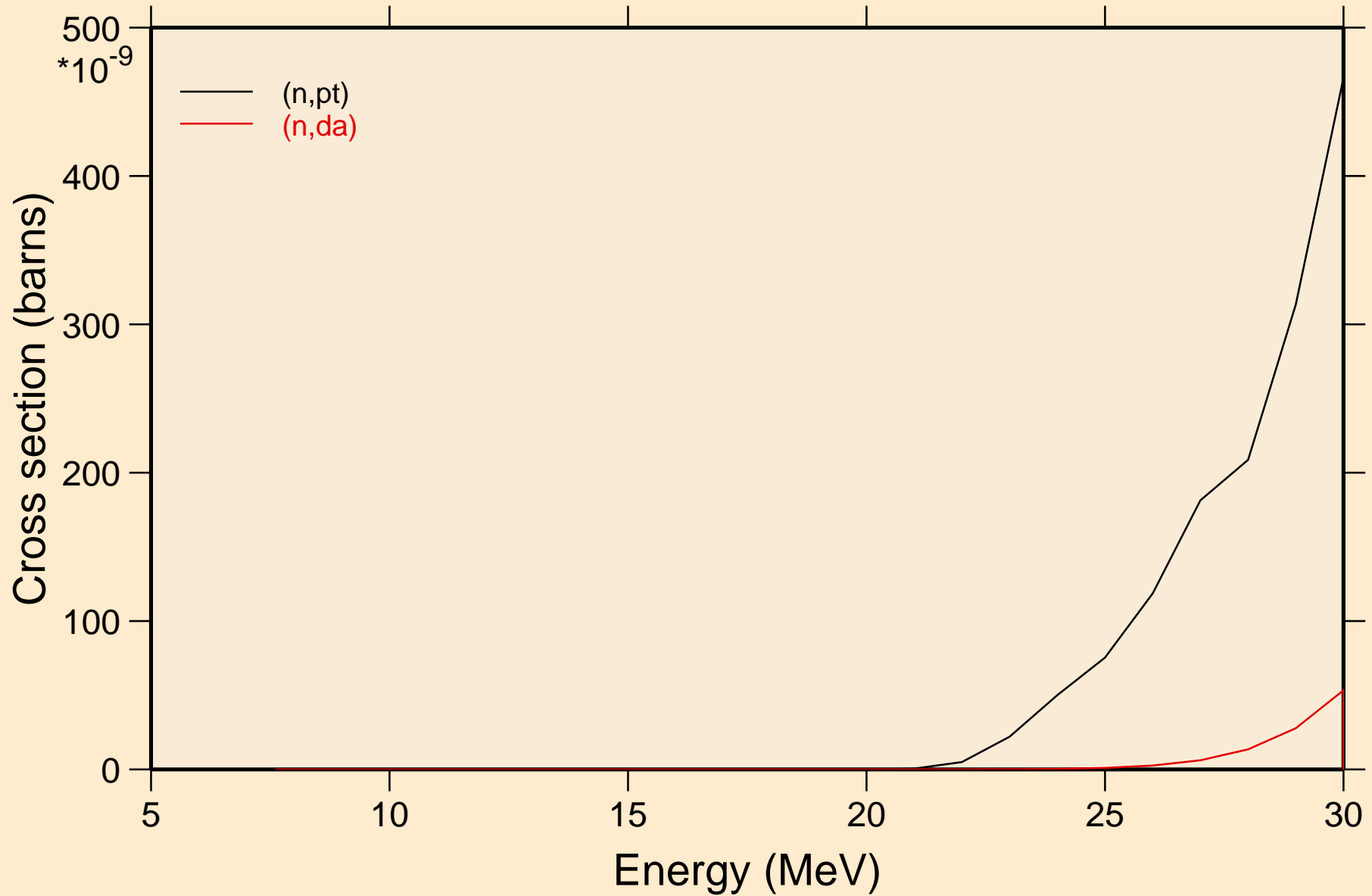
# CE139 NRG TENDL-2015, AKONING

## Threshold reactions



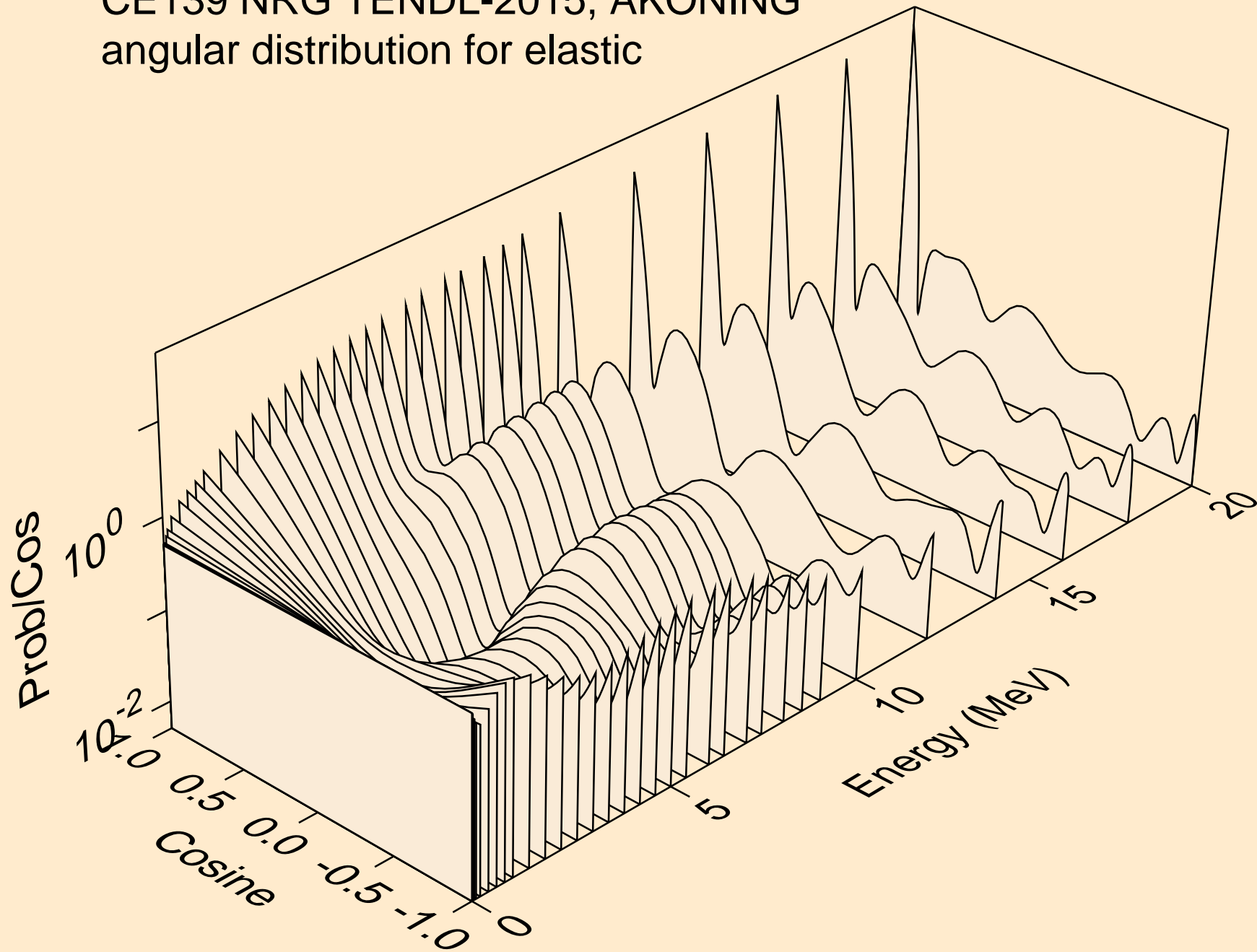
# CE139 NRG TENDL-2015, AKONING

## Threshold reactions

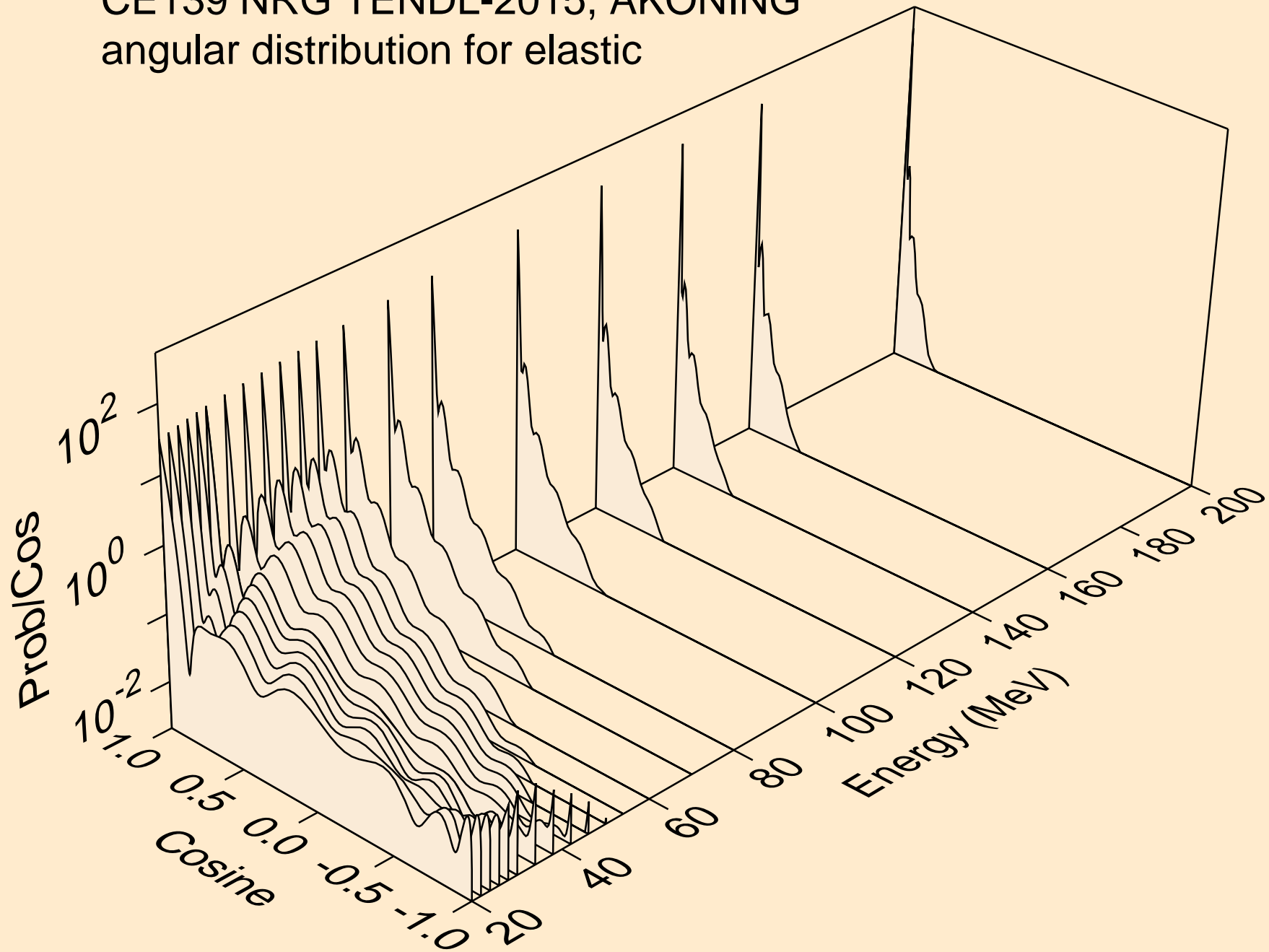




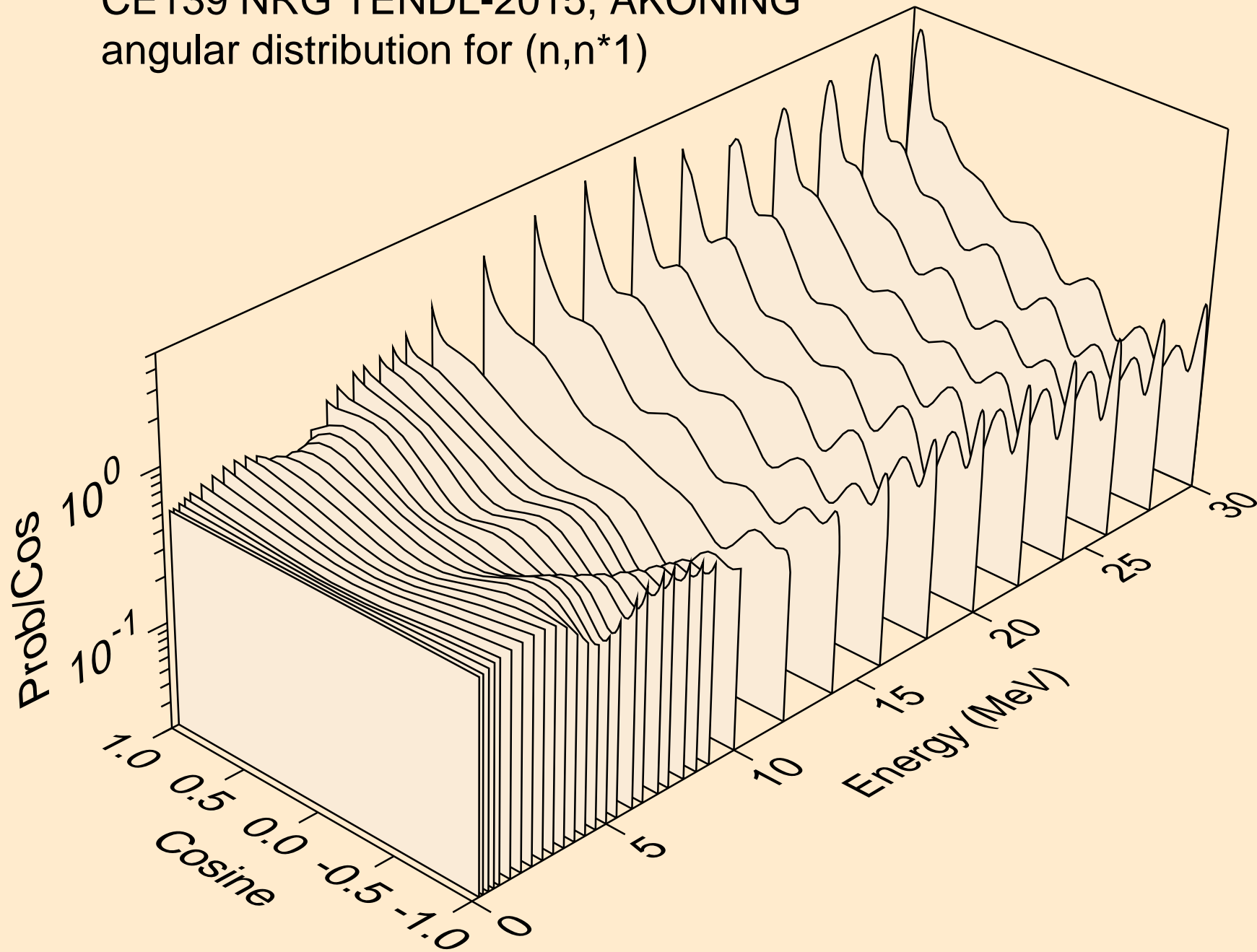
CE139 NRG TENDL-2015, AKONING  
angular distribution for elastic



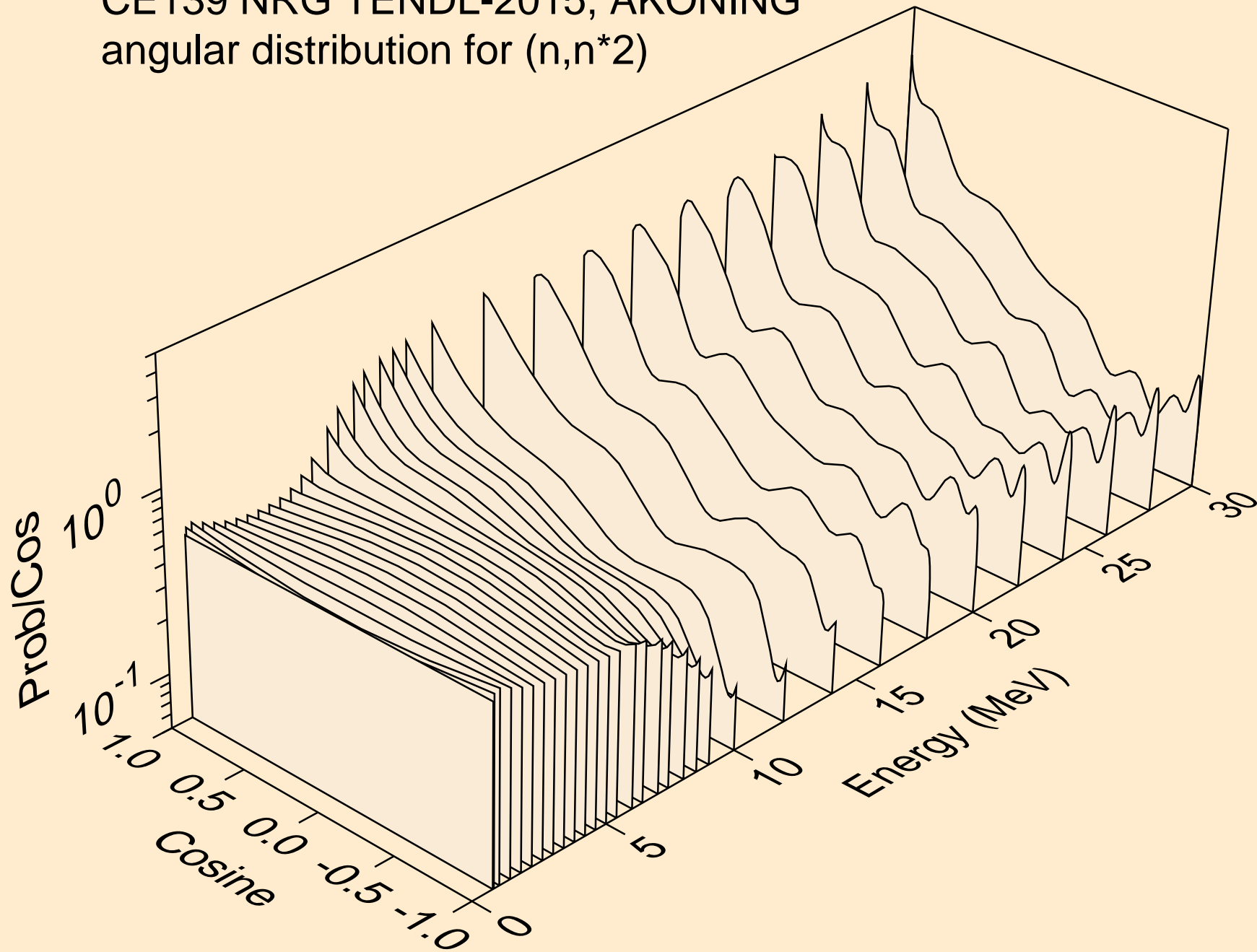
CE139 NRG TENDL-2015, AKONING  
angular distribution for elastic



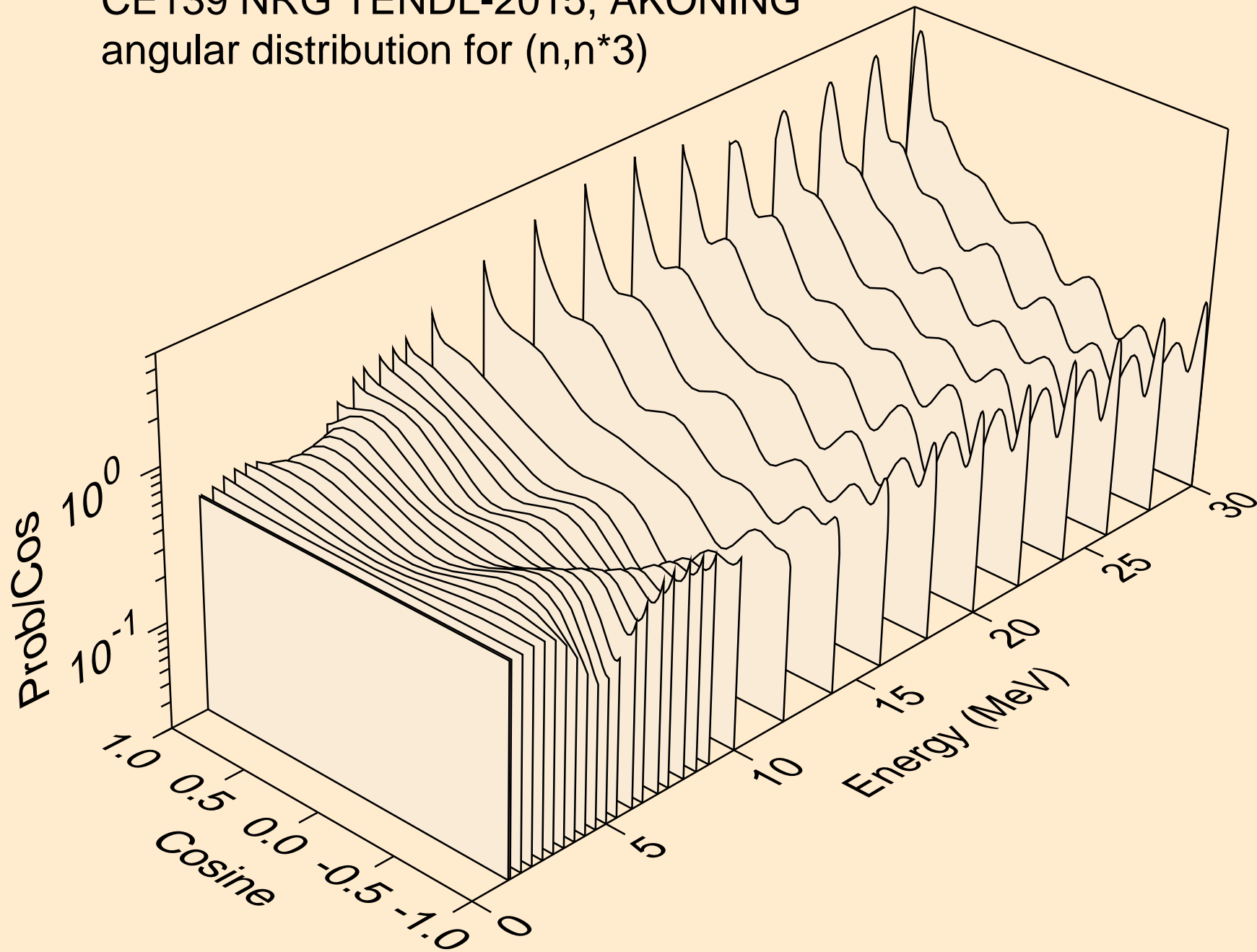
CE139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



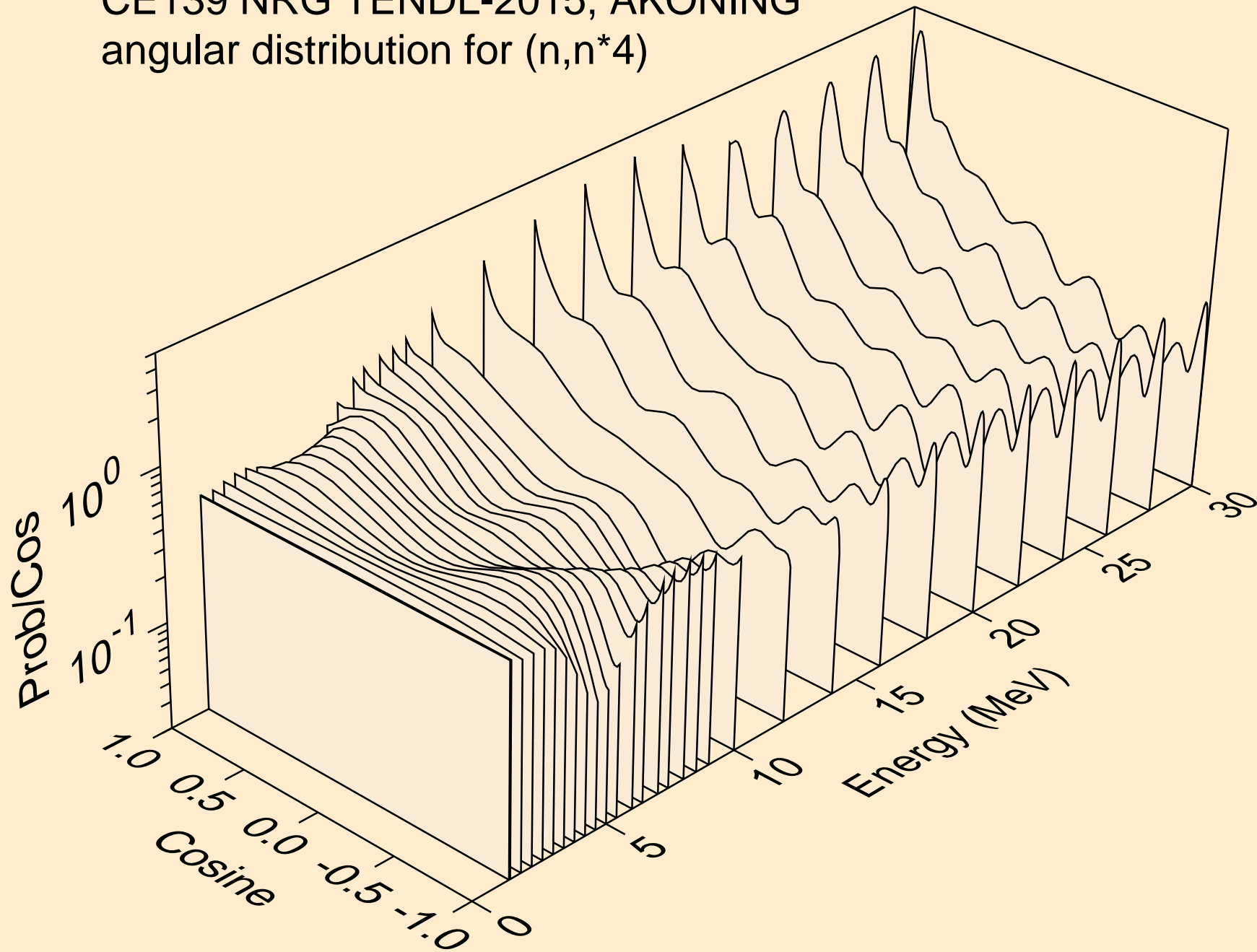
CE139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



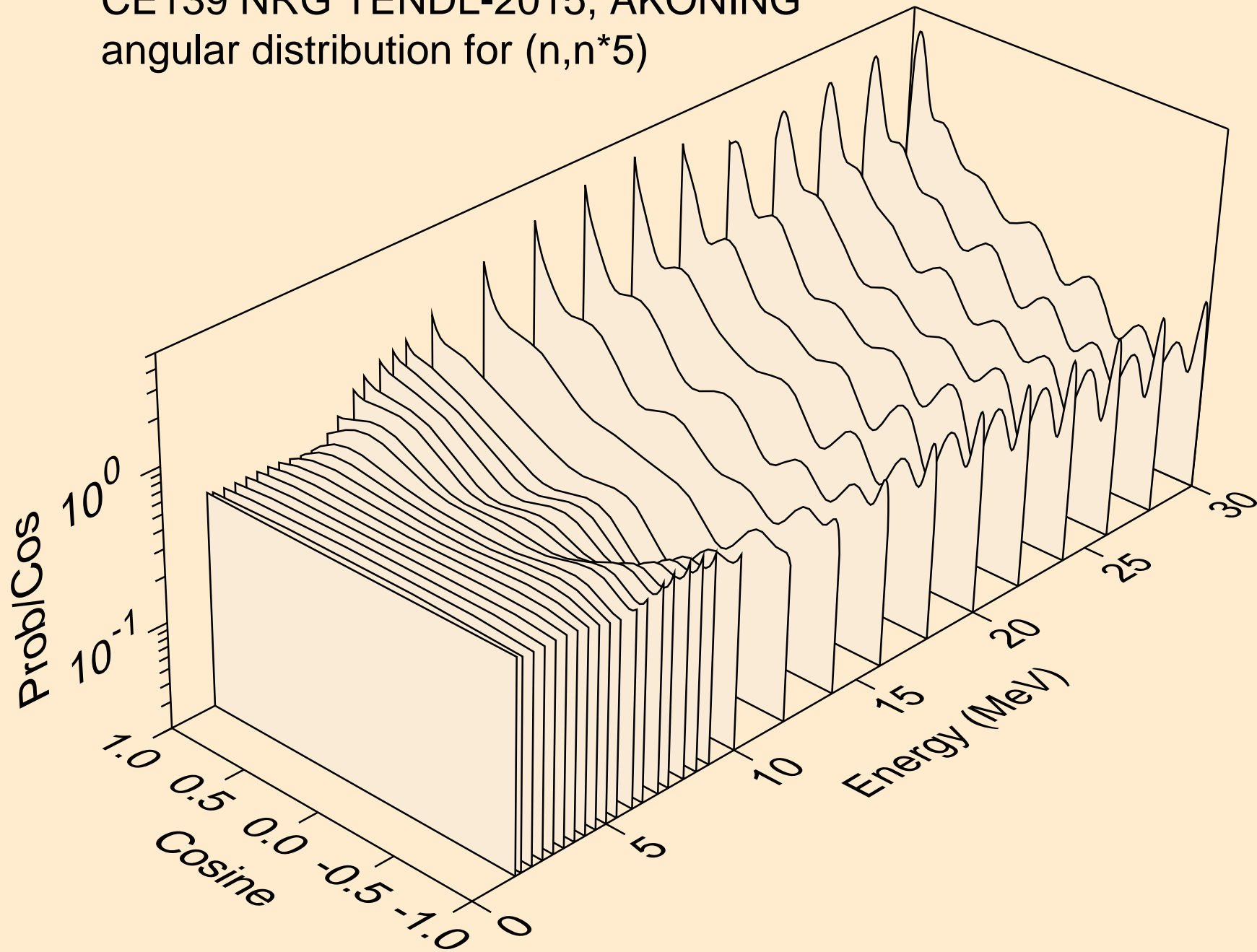
CE139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



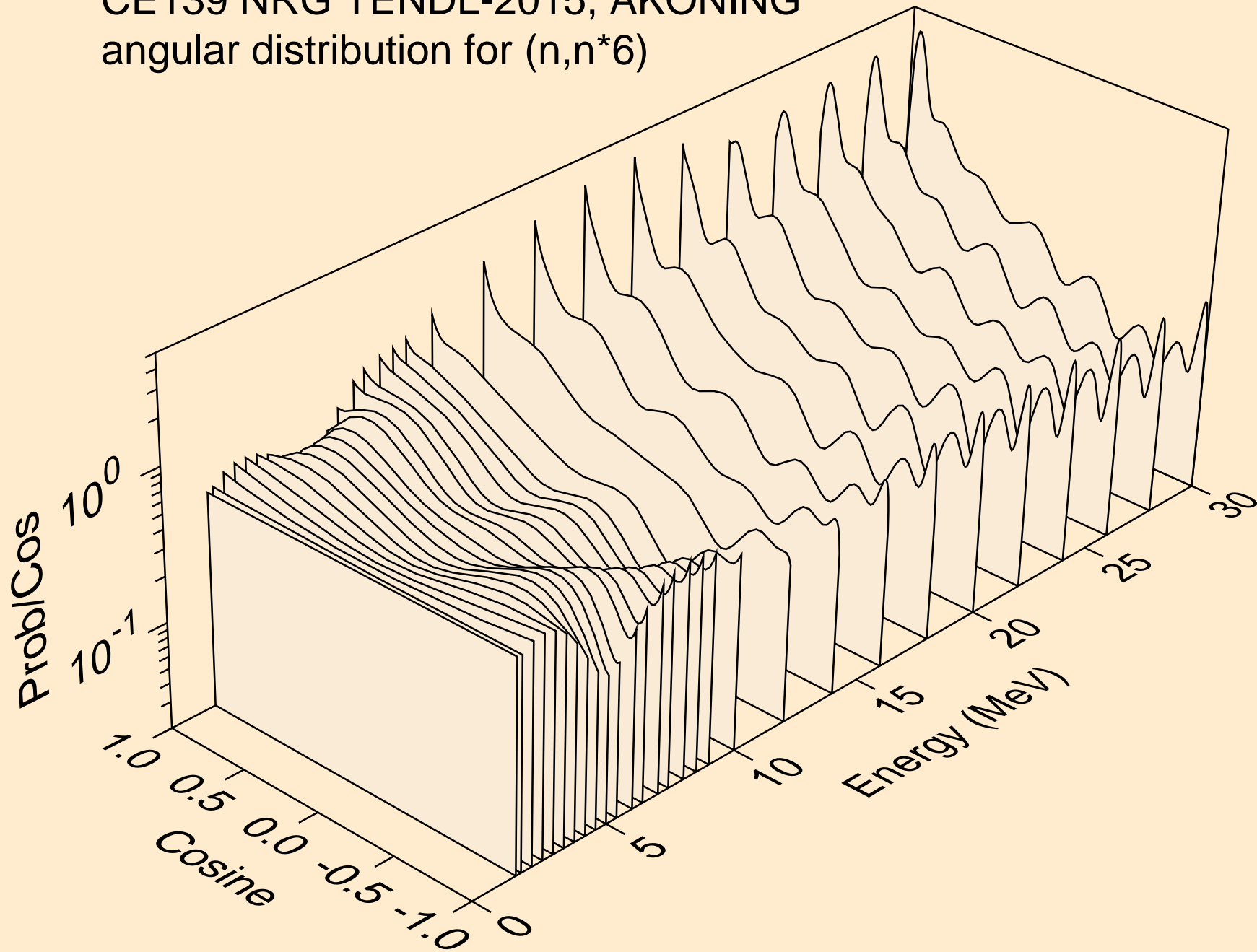
CE139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



CE139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)

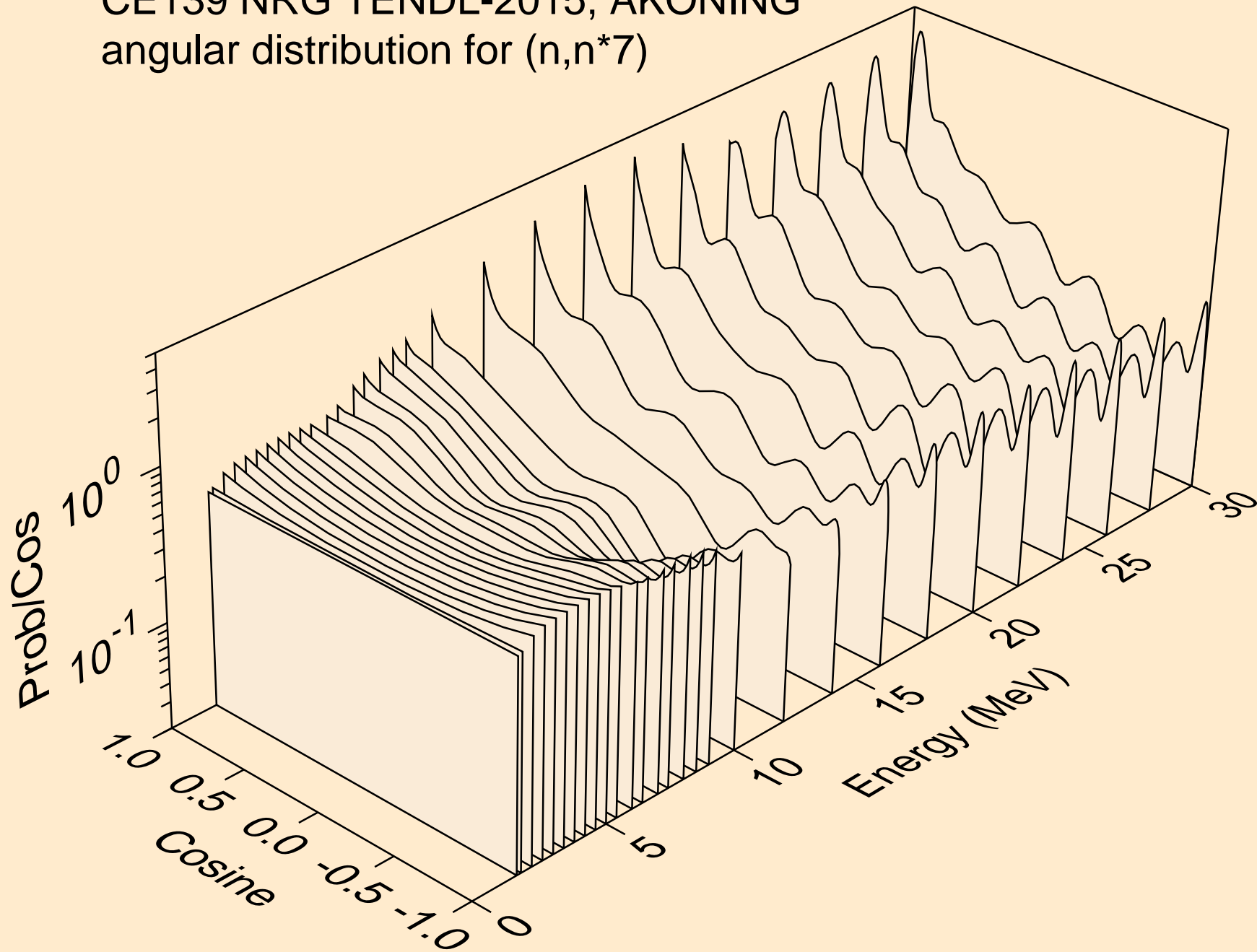


CE139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)

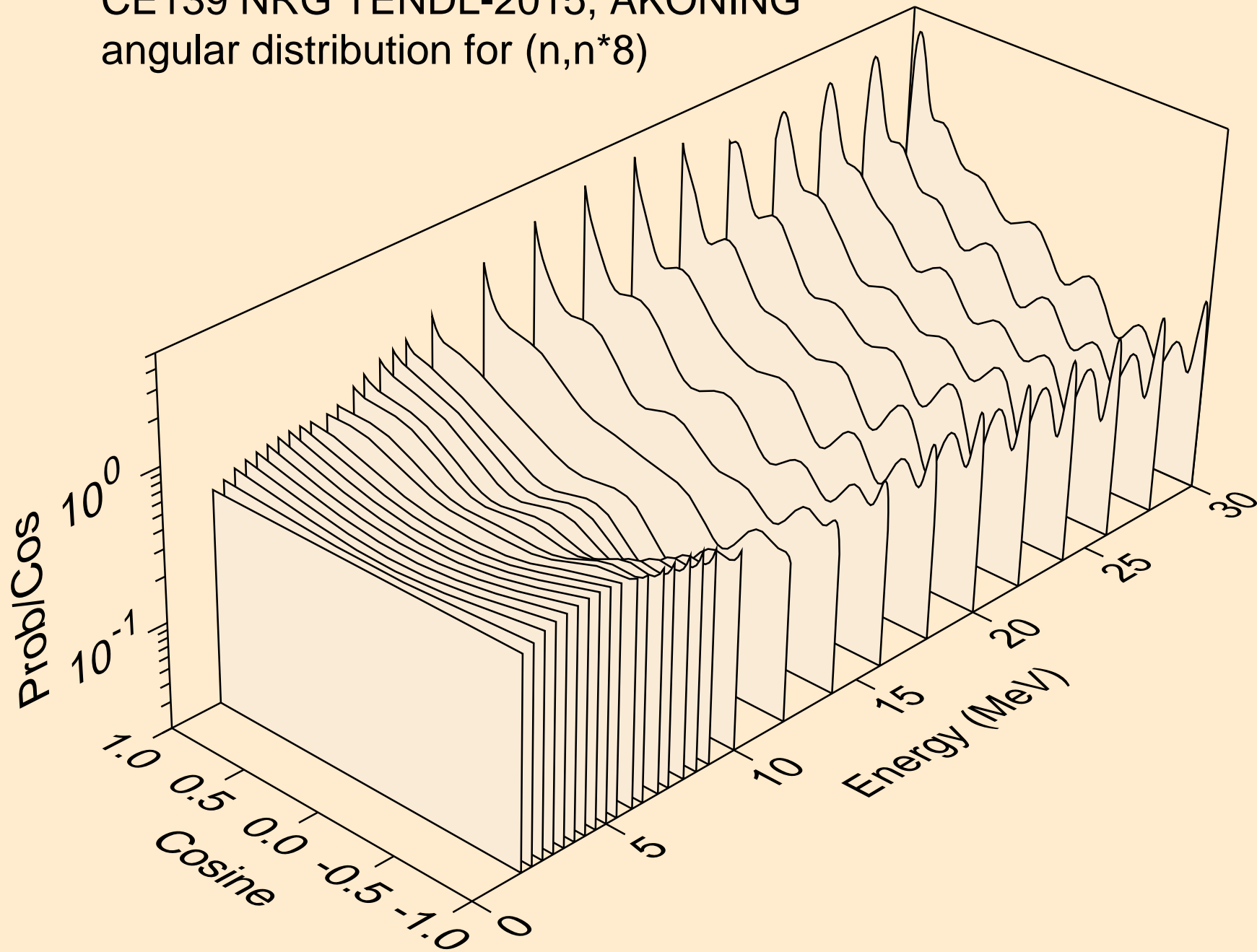




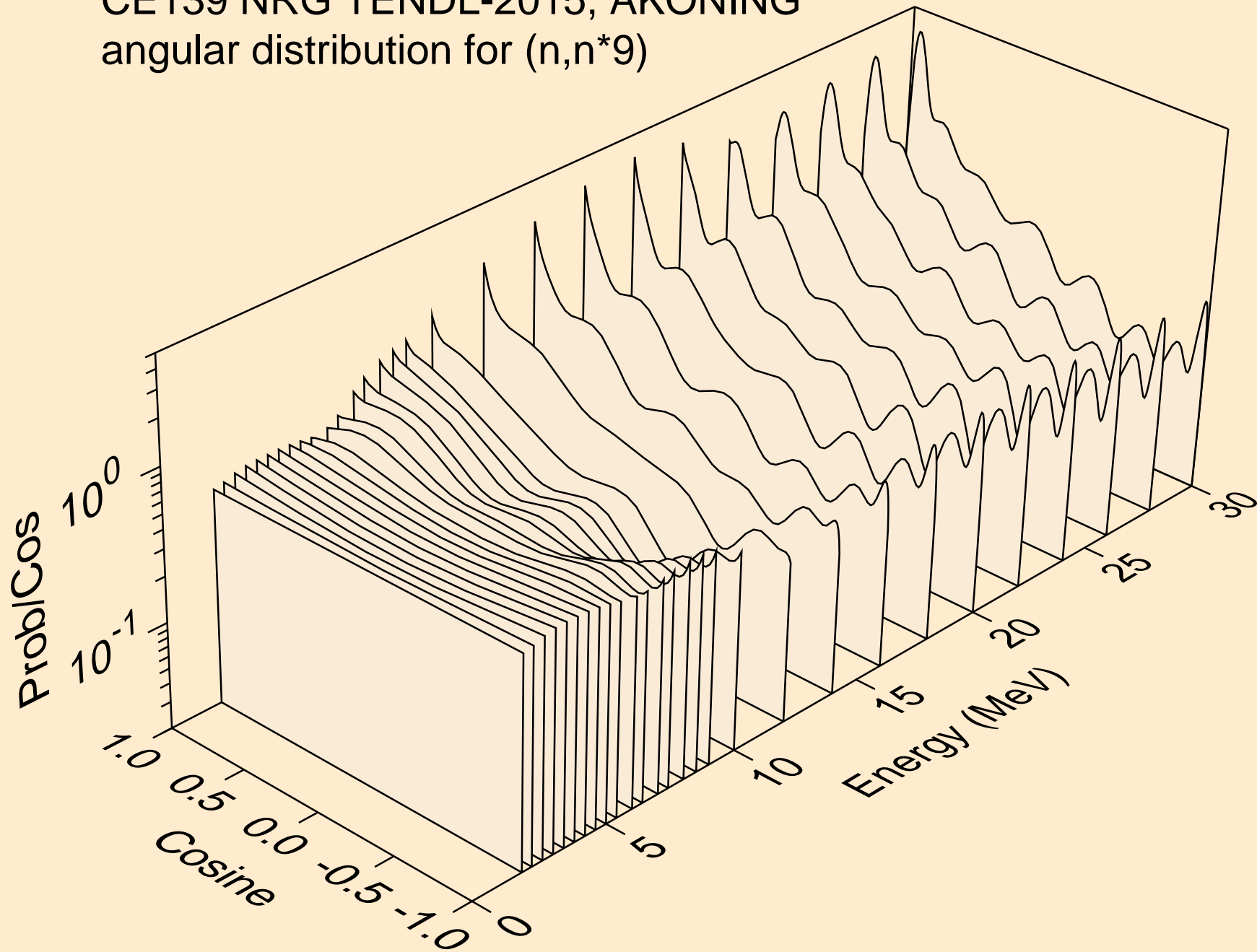
CE139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



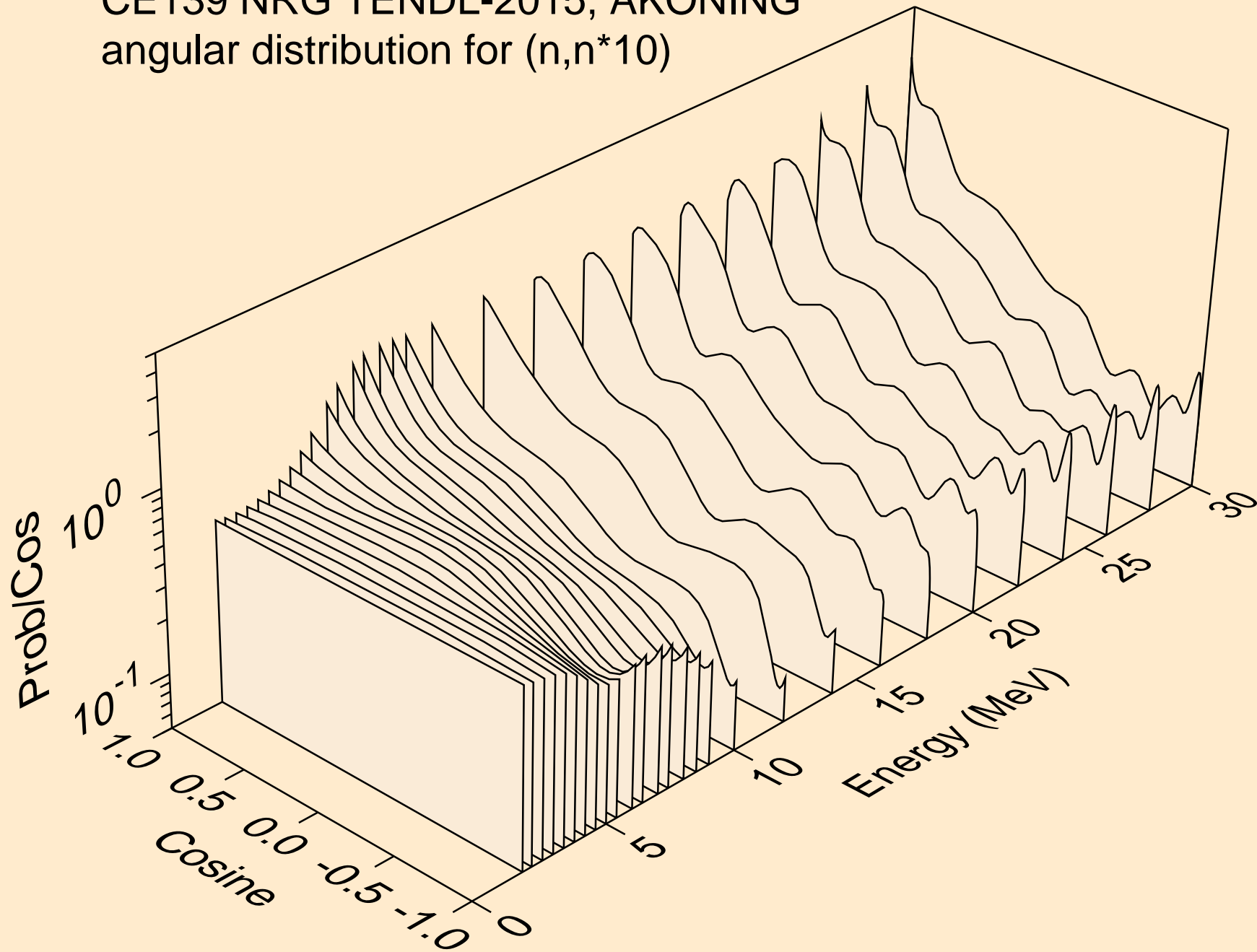
CE139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)



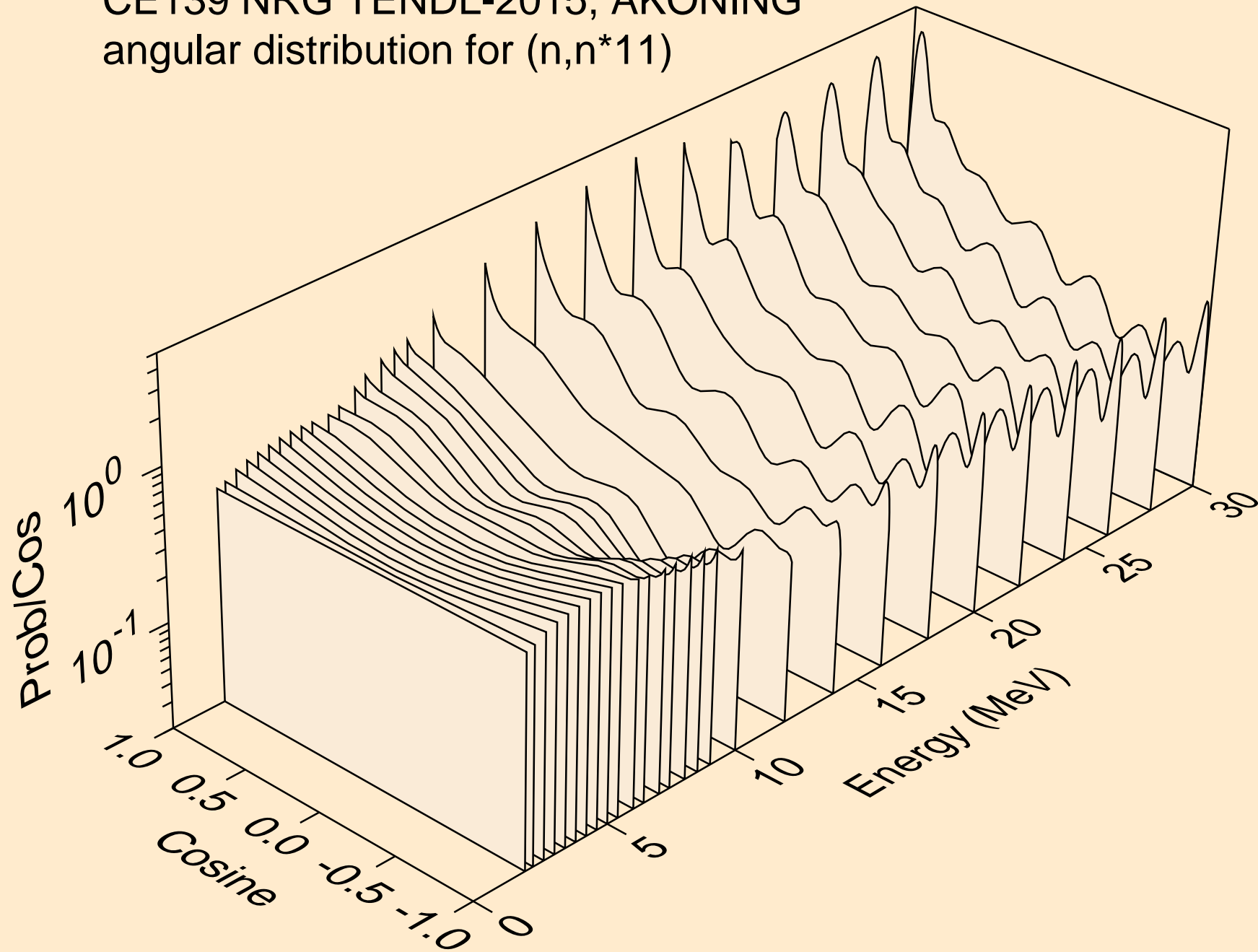
CE139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



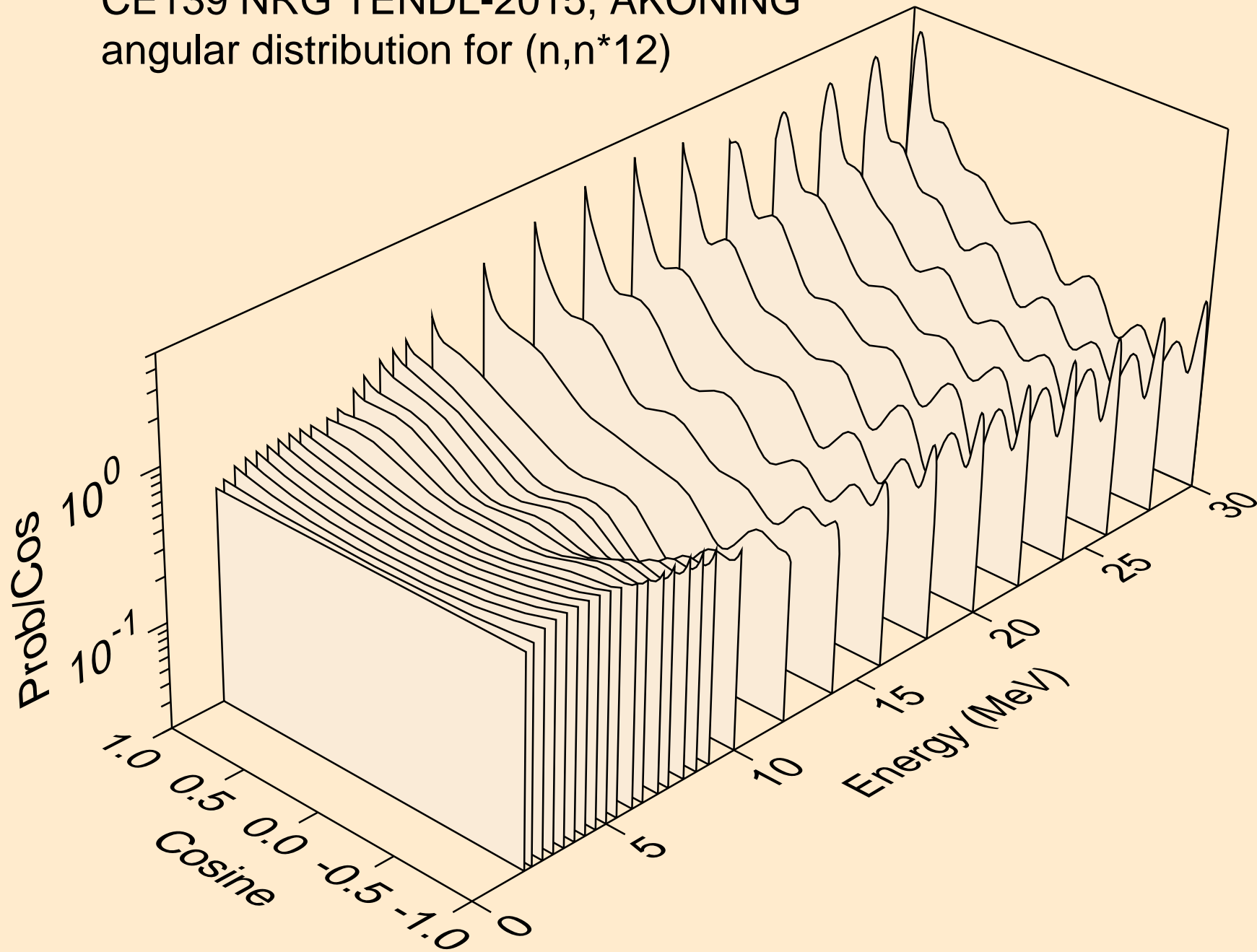
CE139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



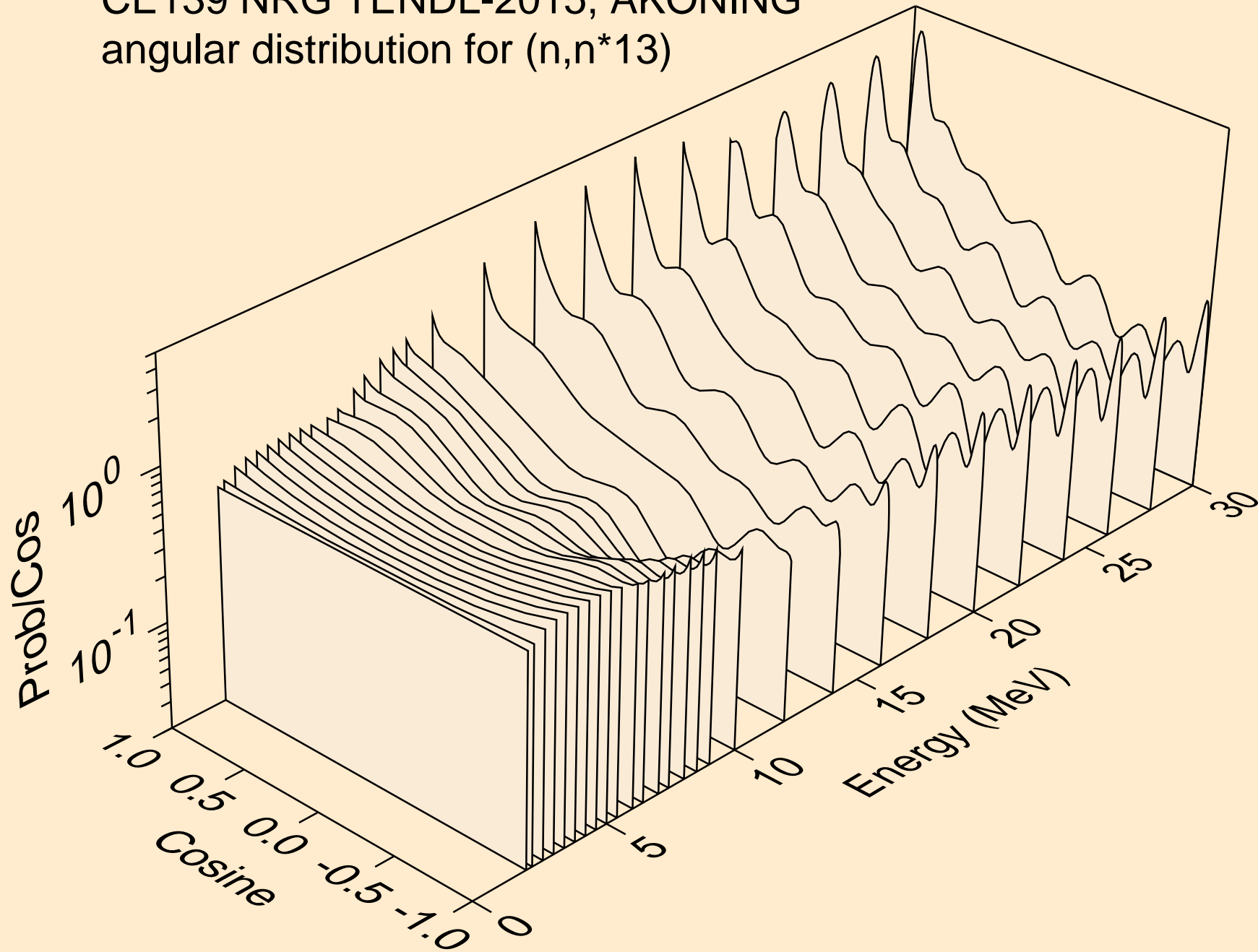
CE139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



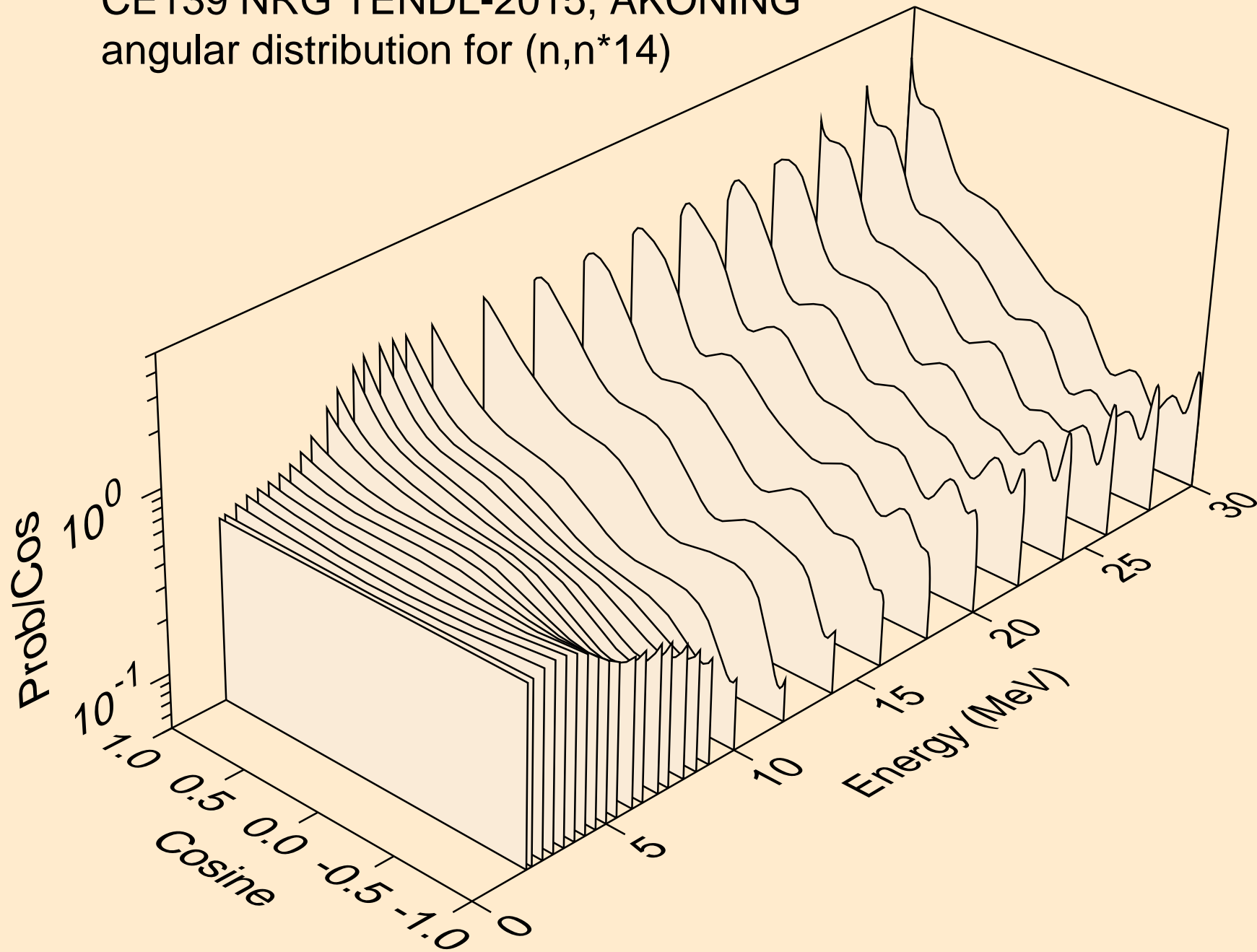
CE139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



CE139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)

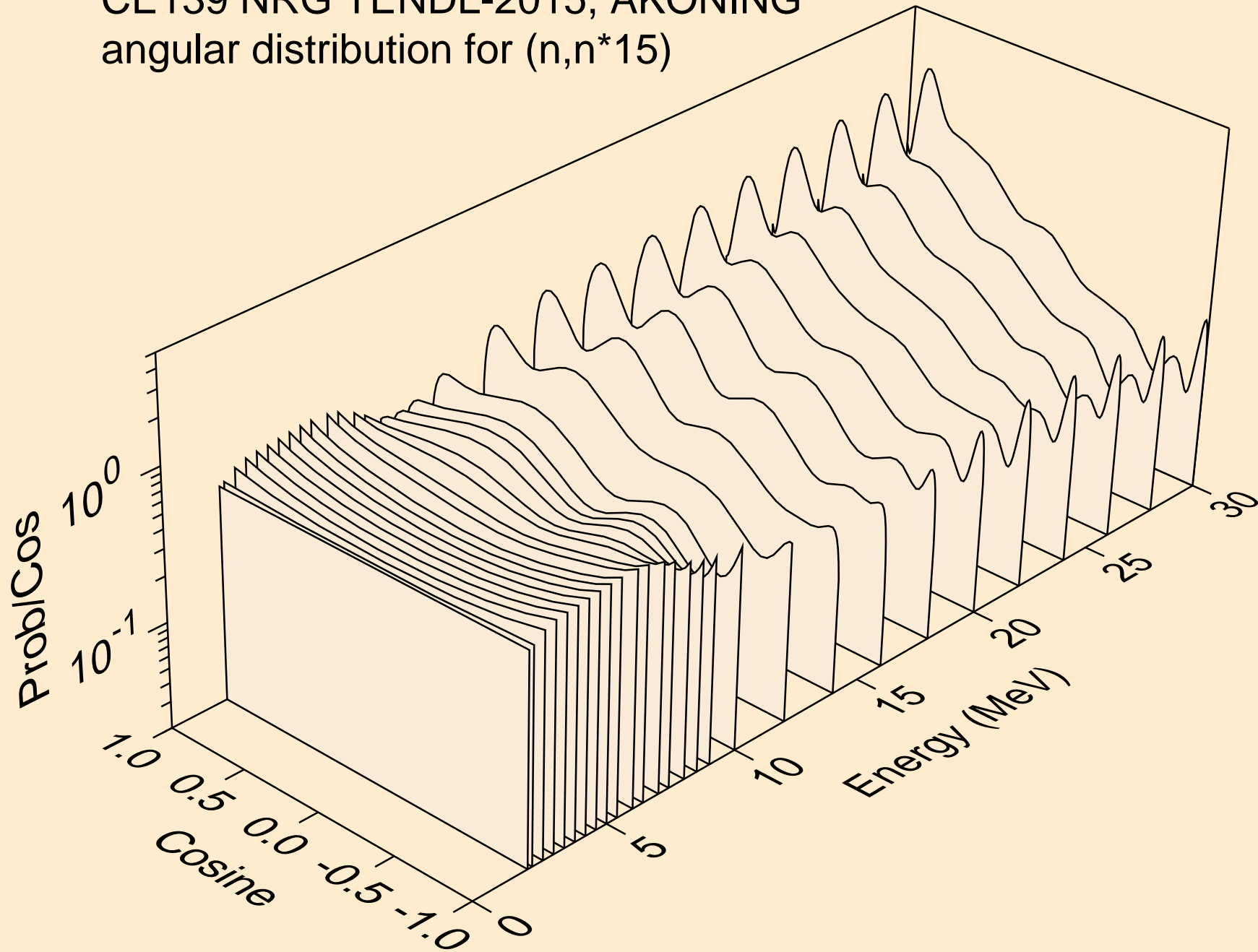


CE139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)

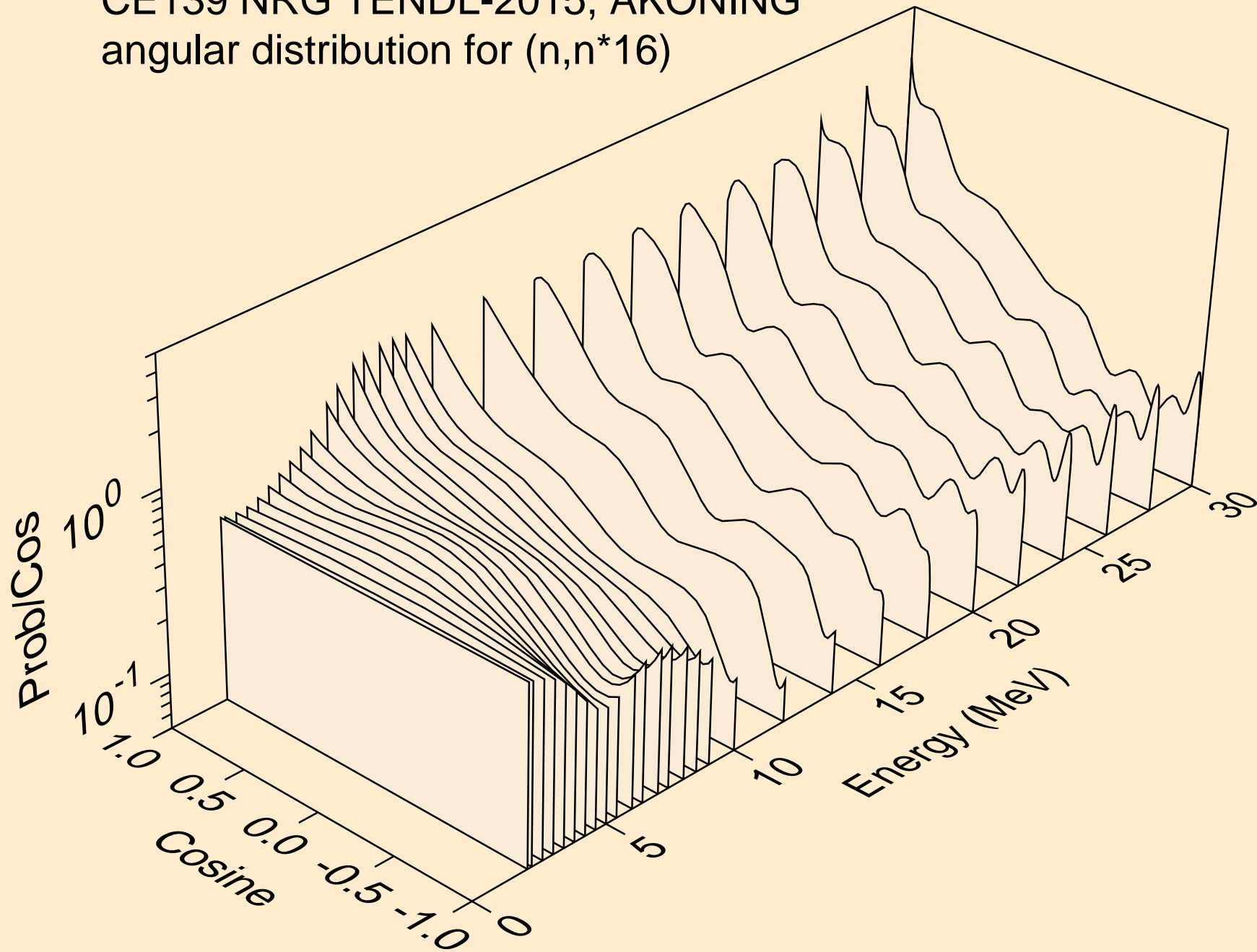




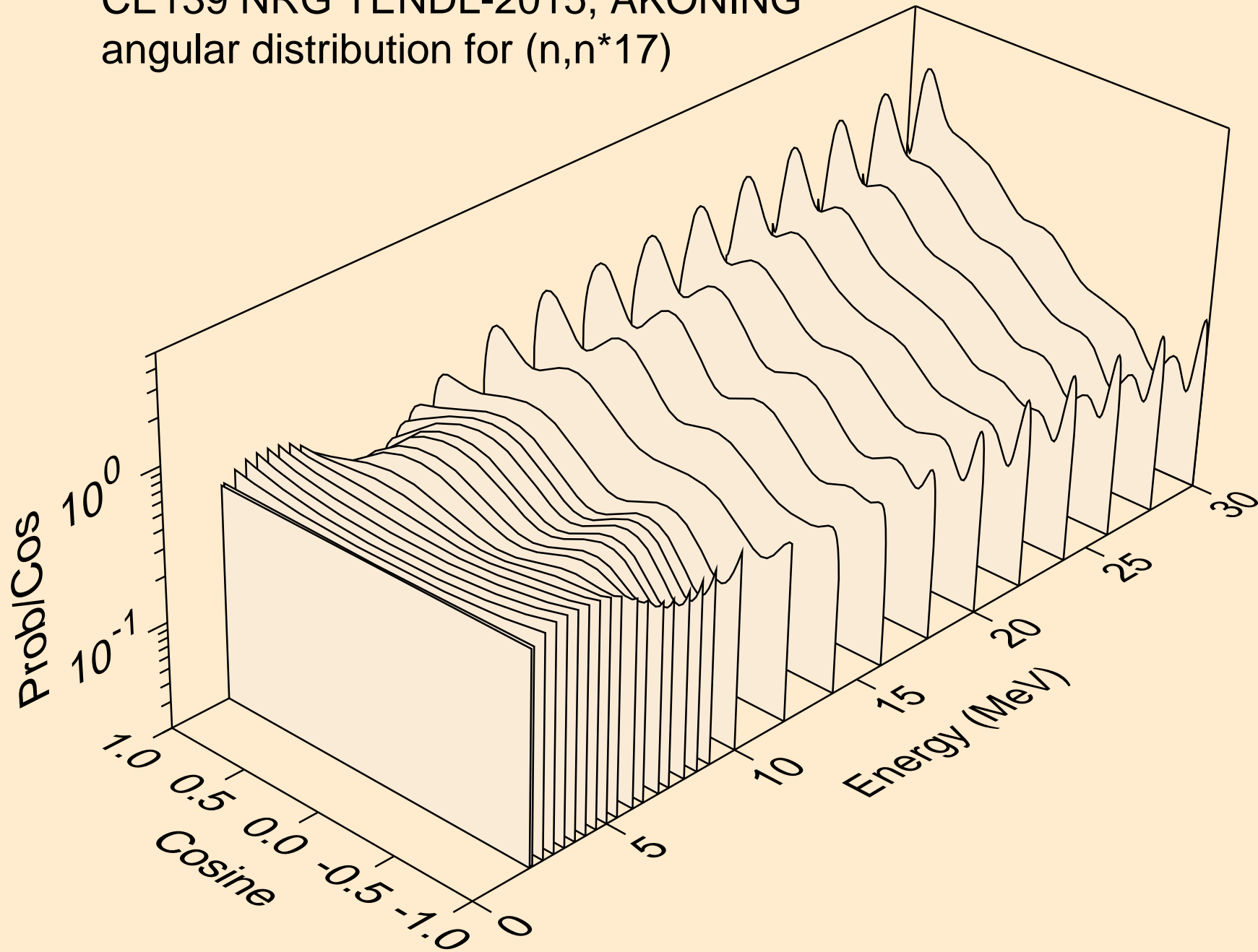
CE139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



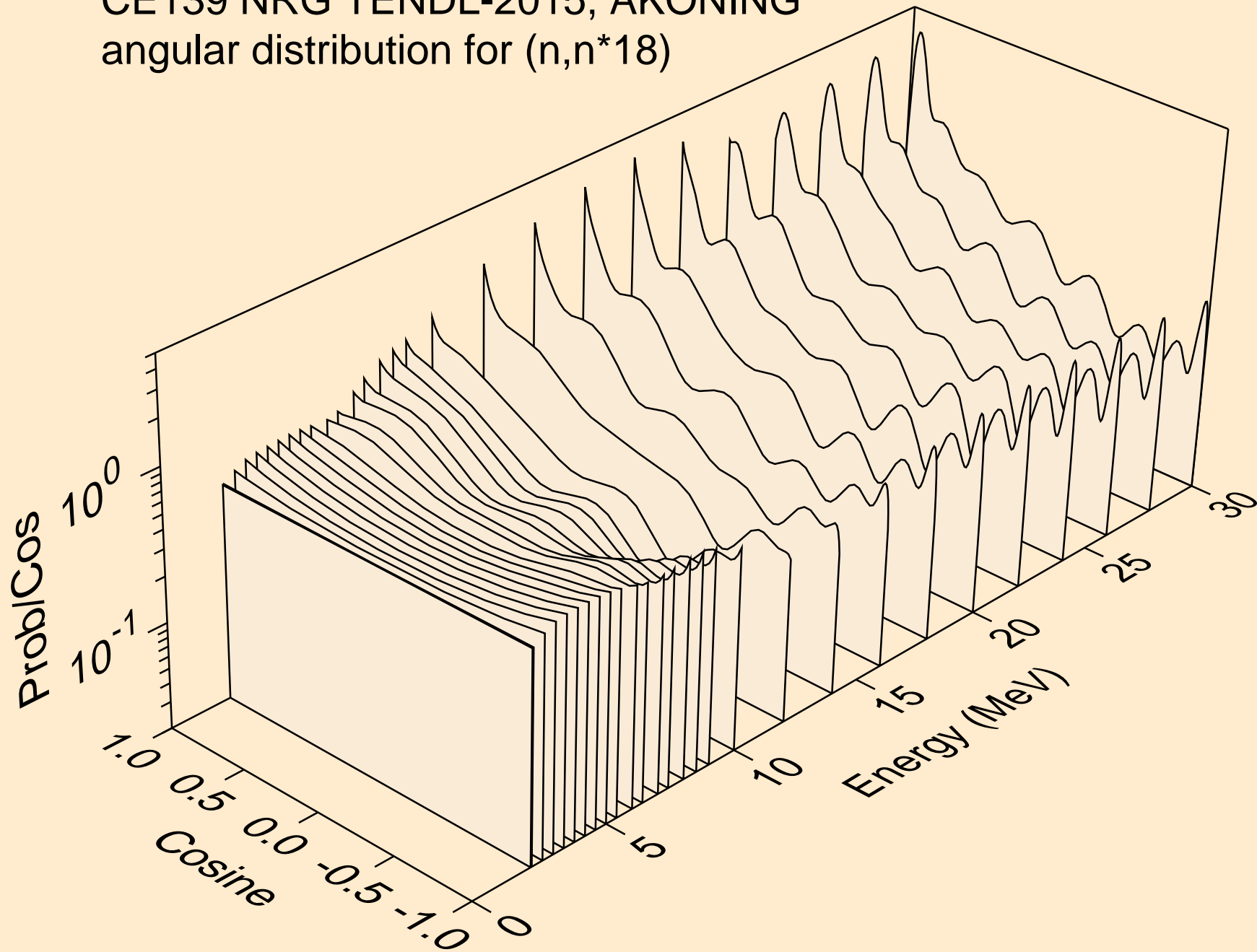
CE139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)



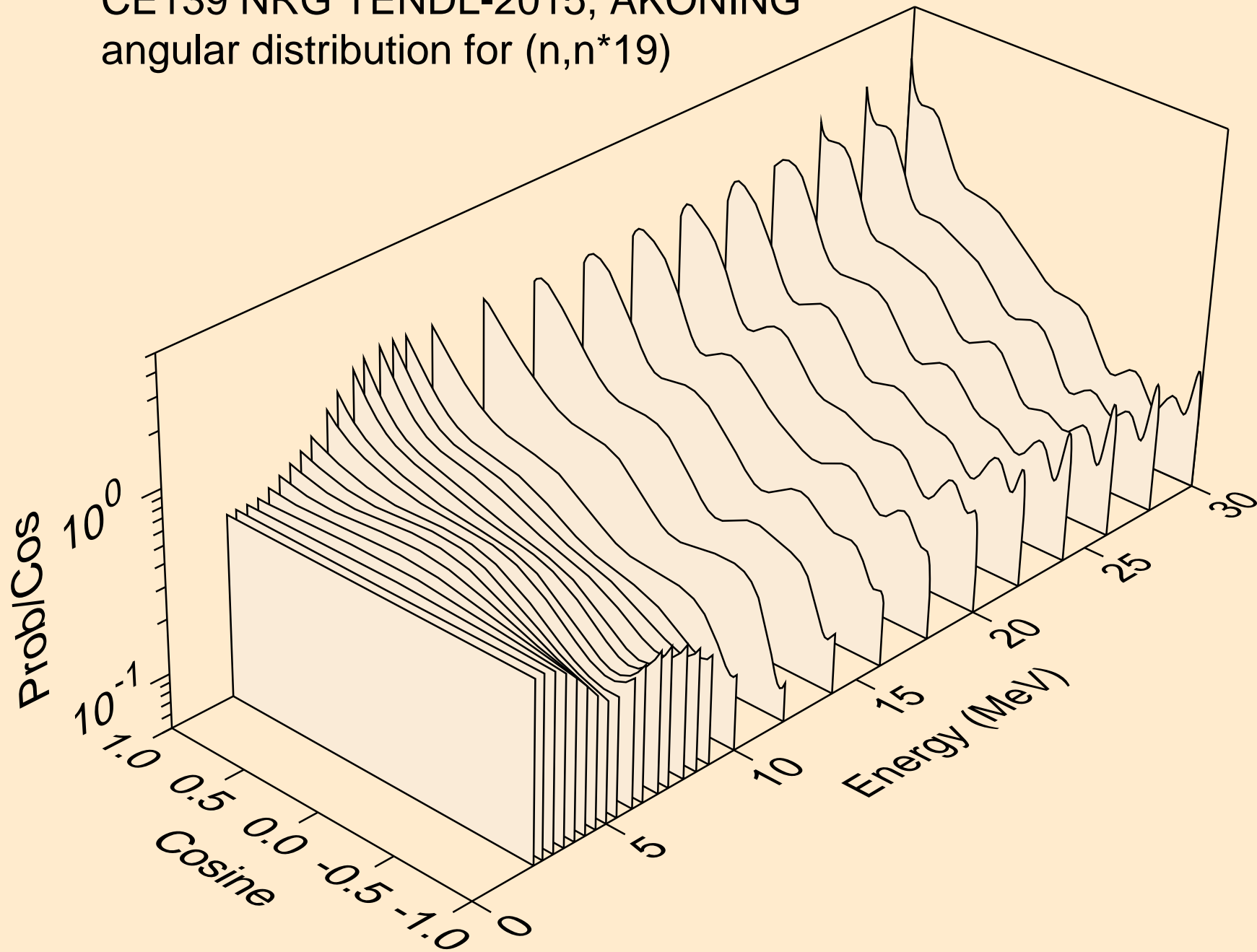
CE139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



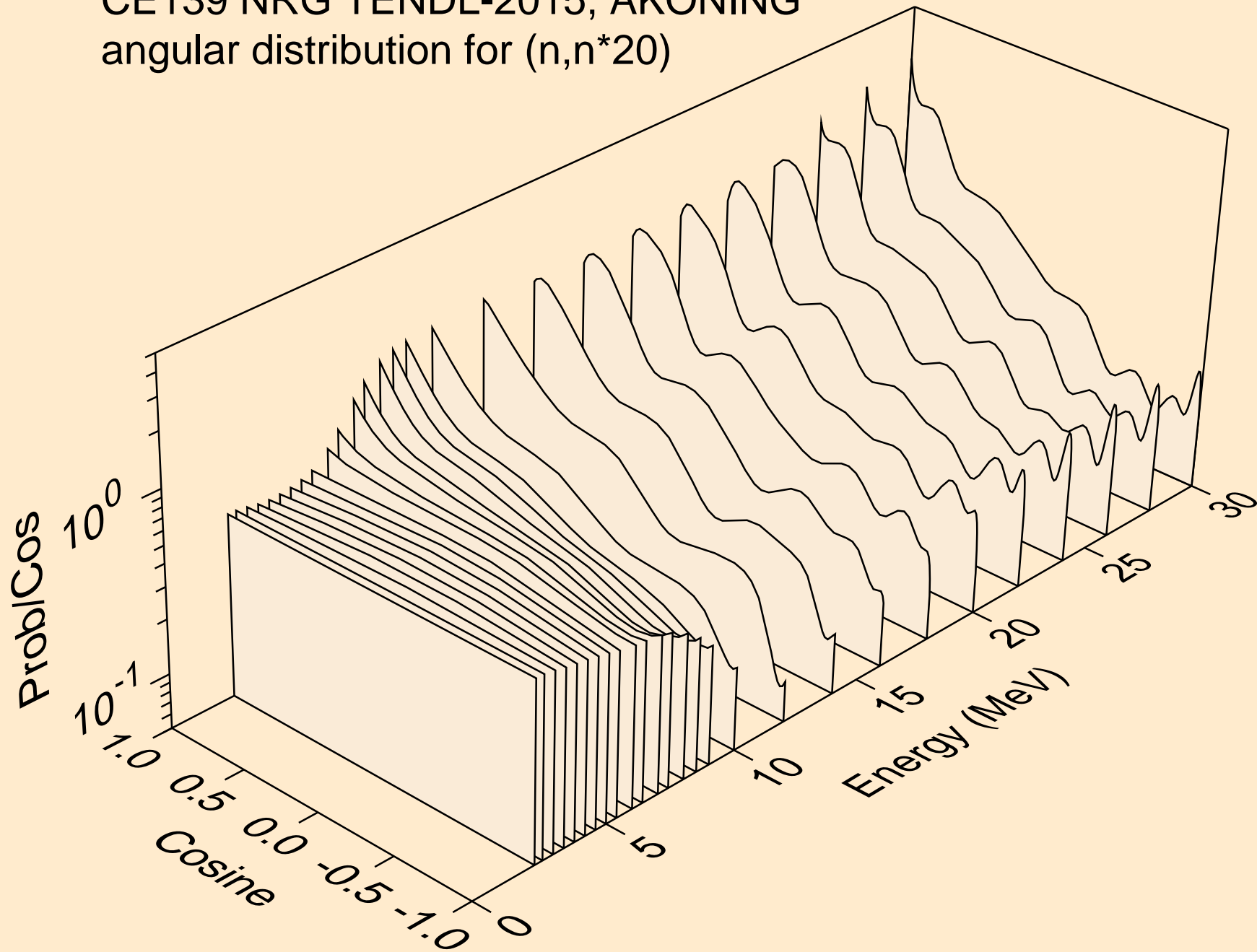
CE139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



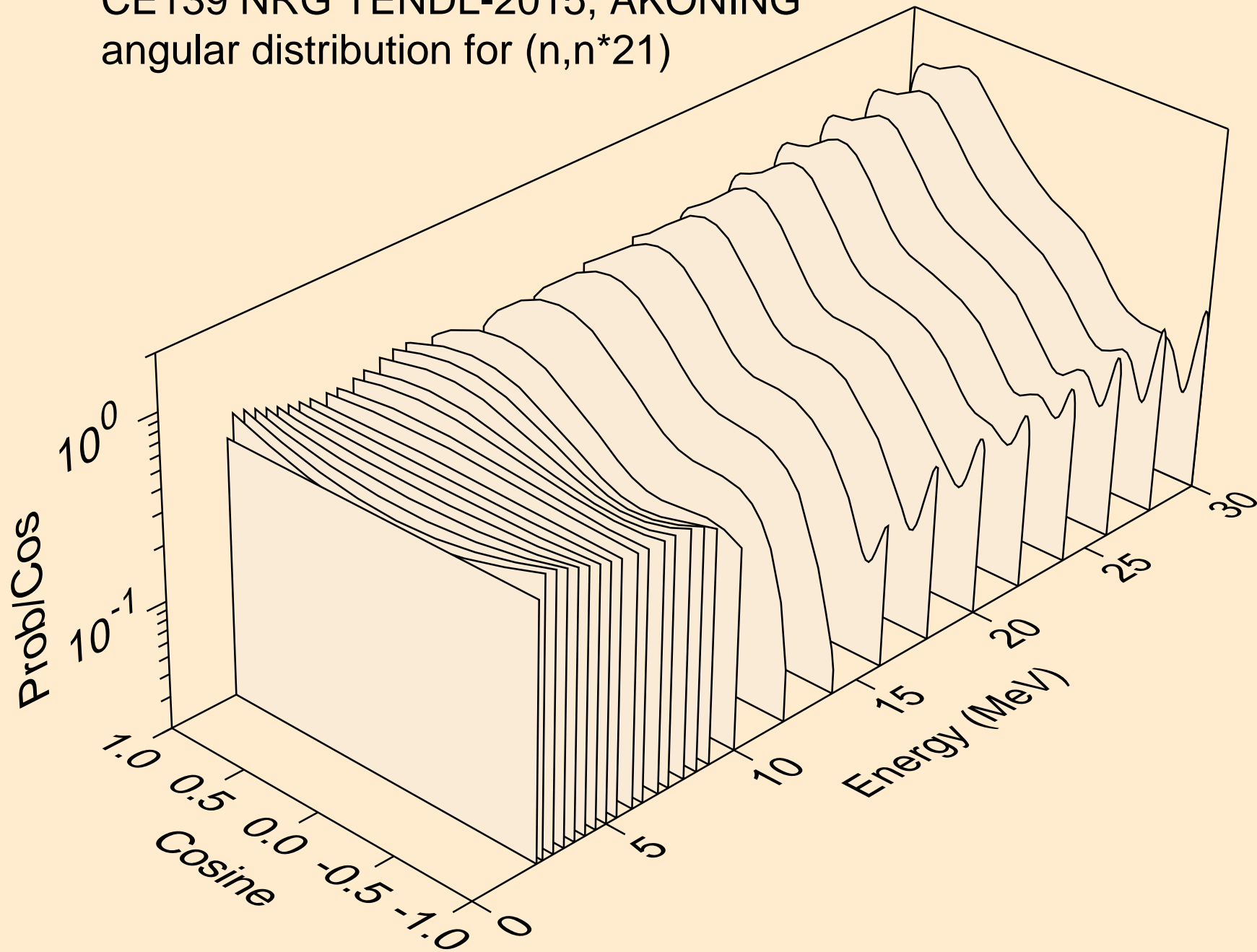
CE139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



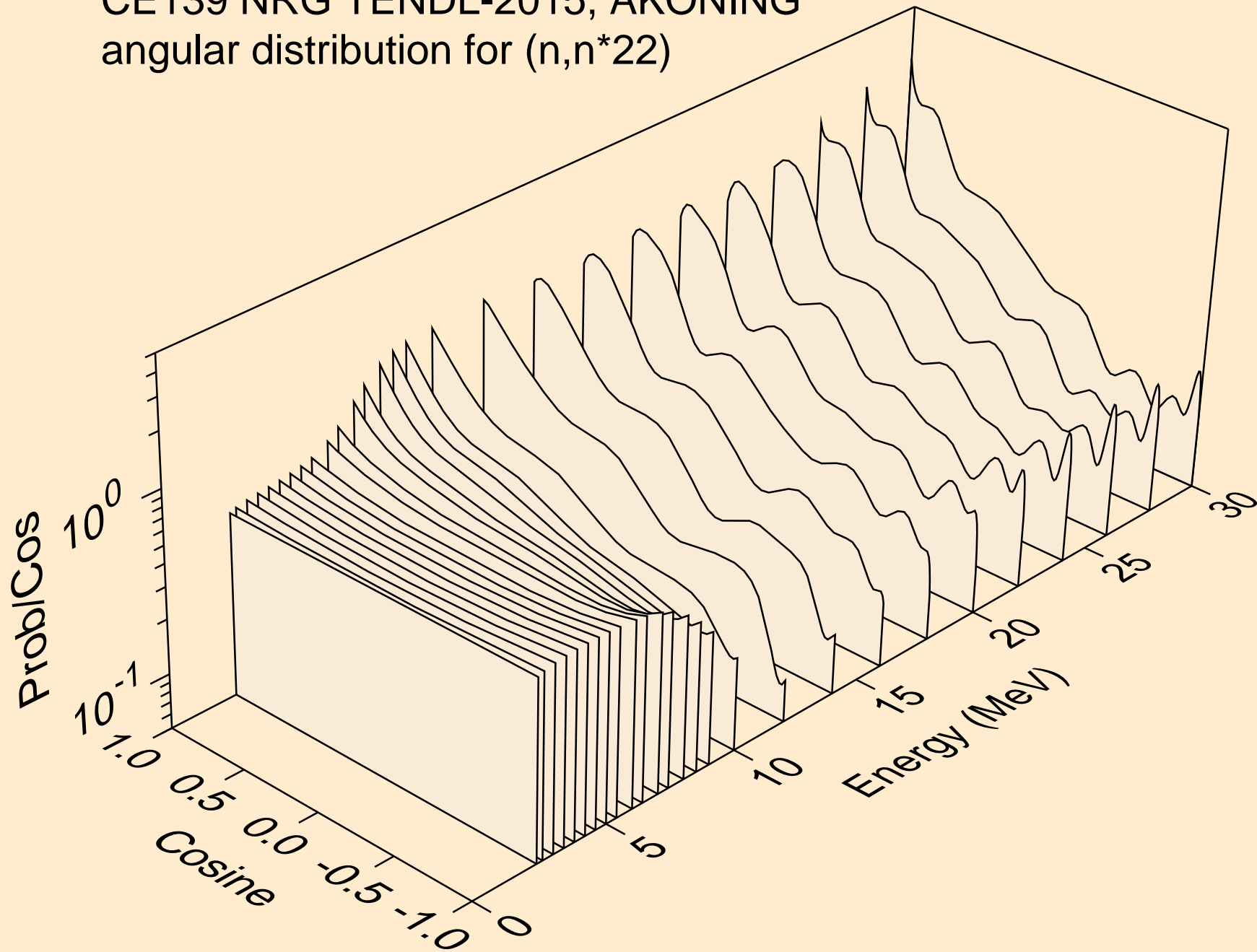
CE139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



CE139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)

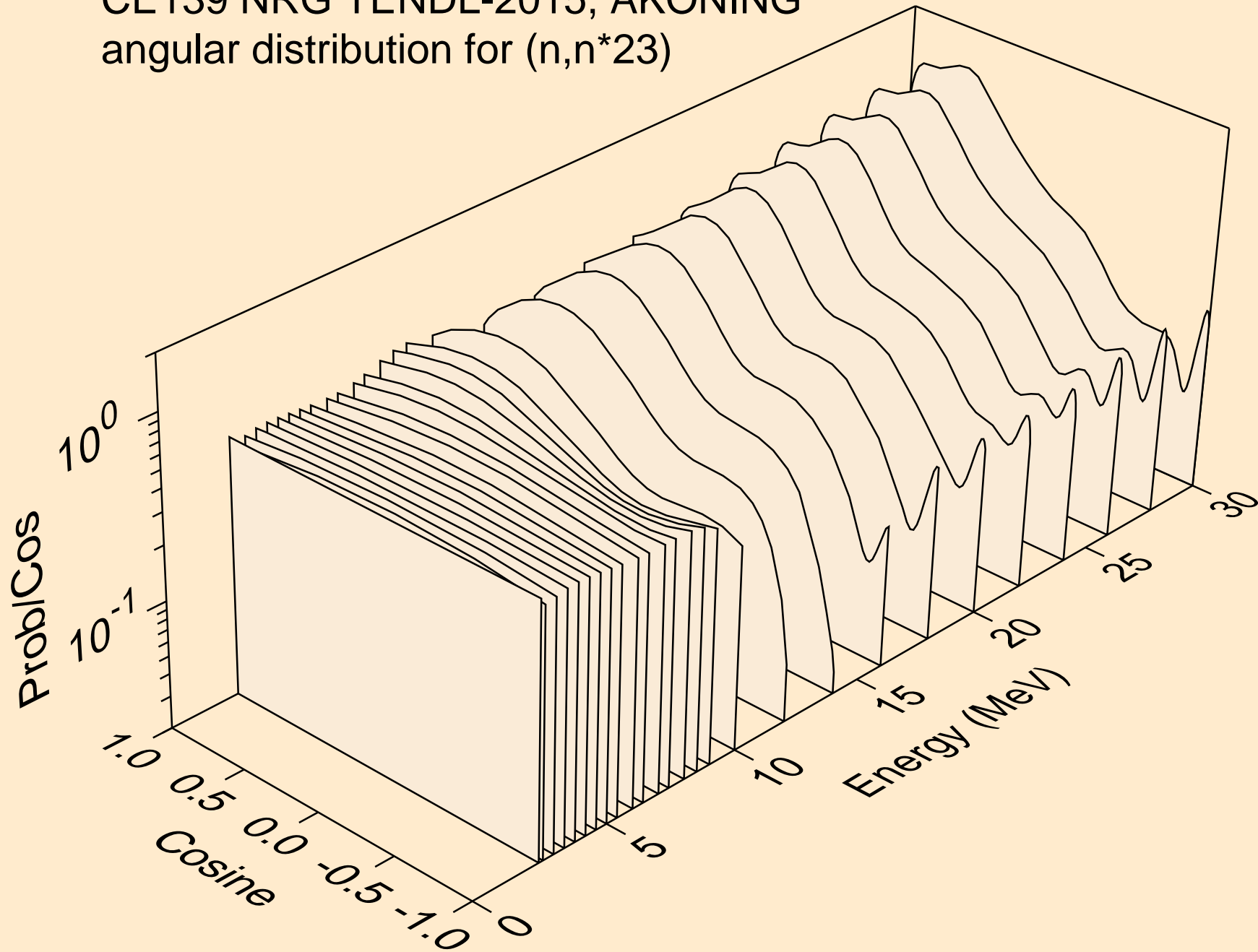


CE139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)

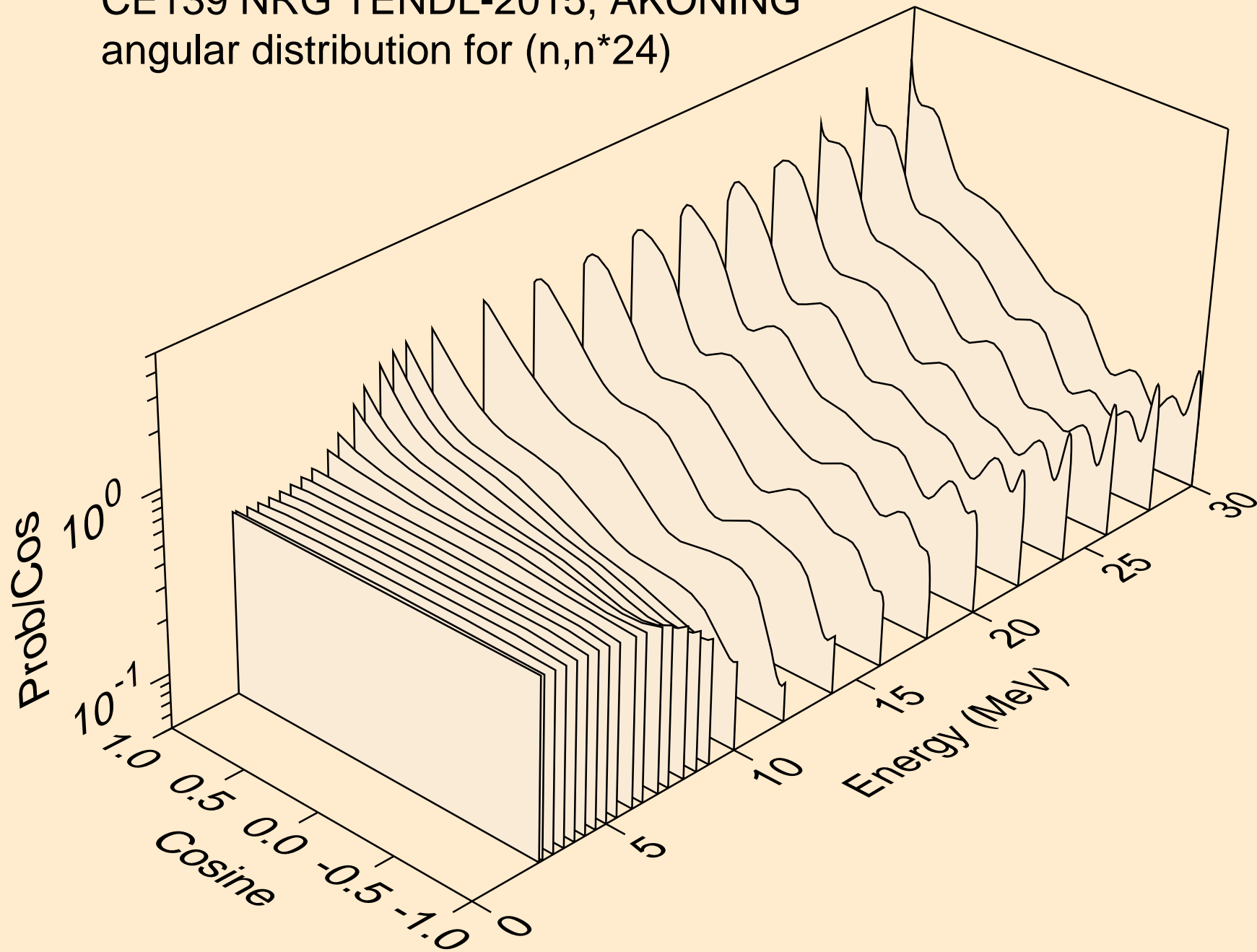




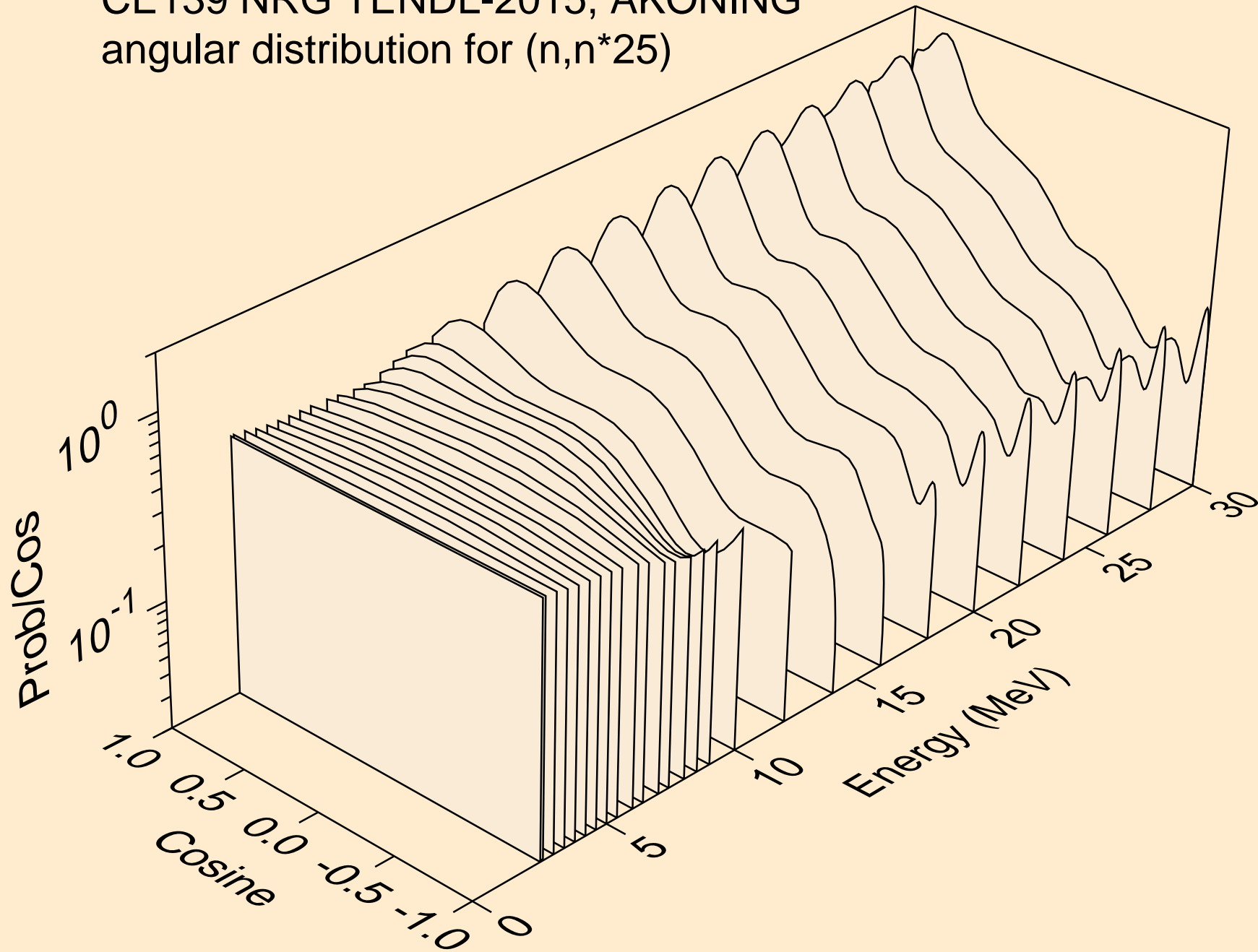
CE139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)



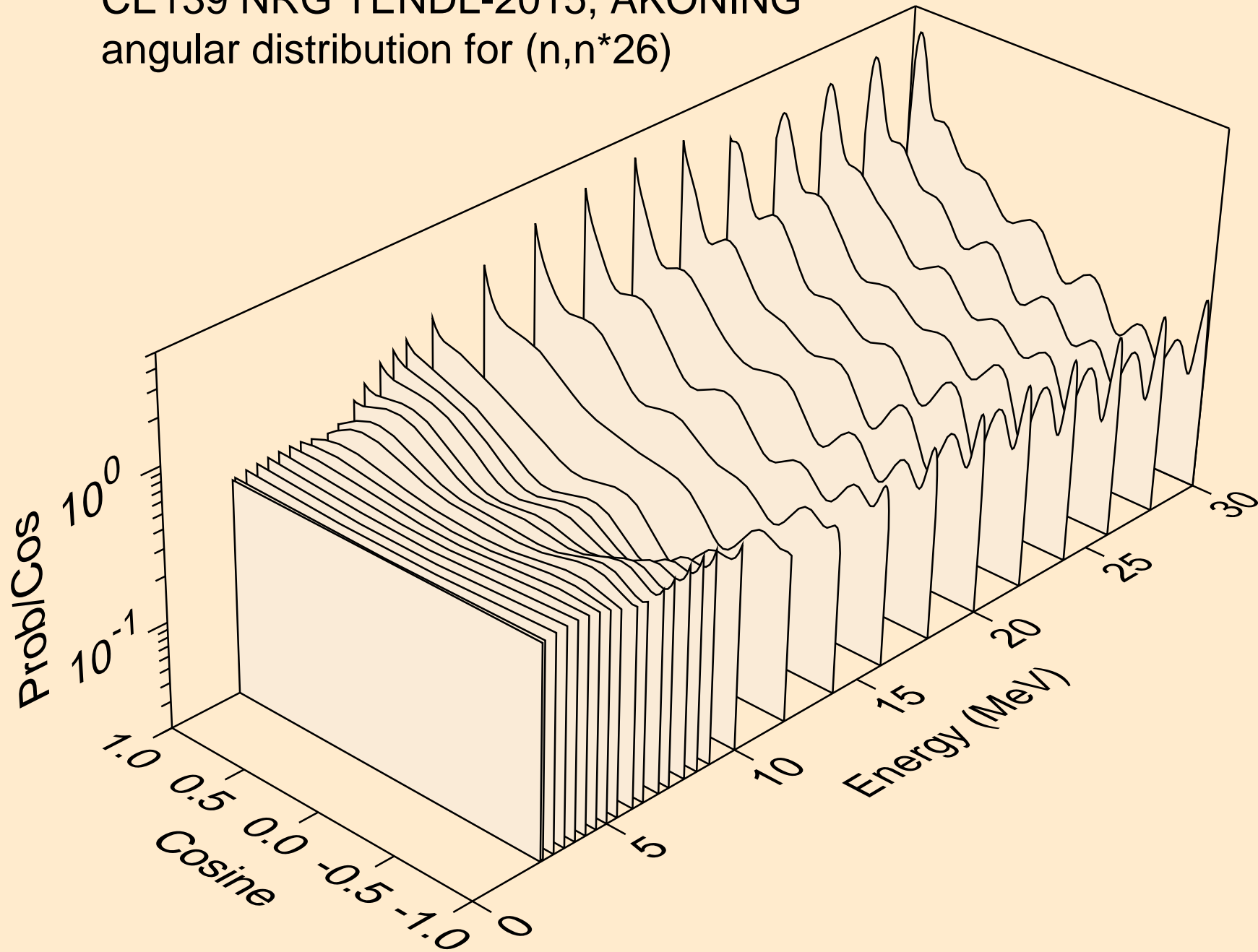
CE139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)



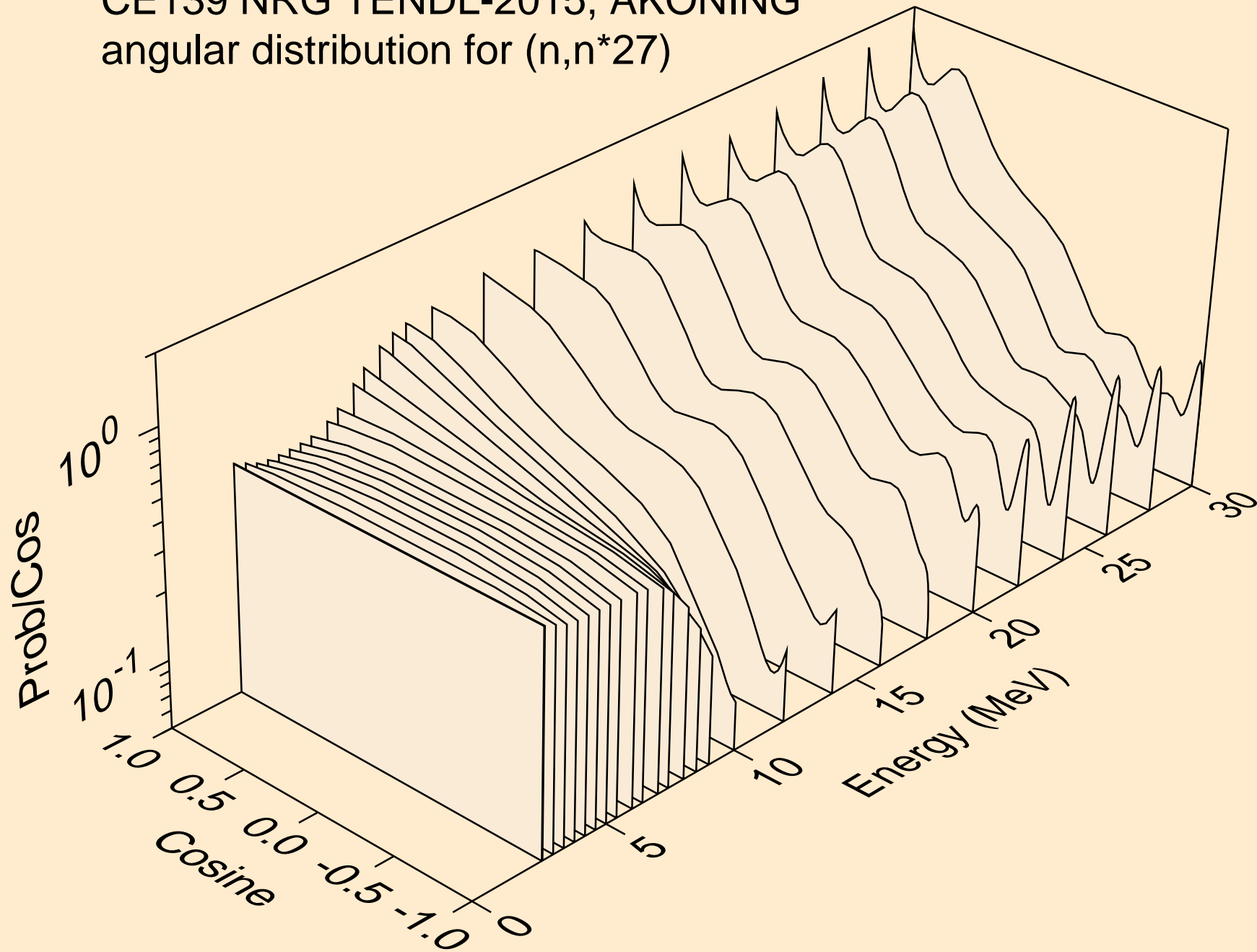
CE139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



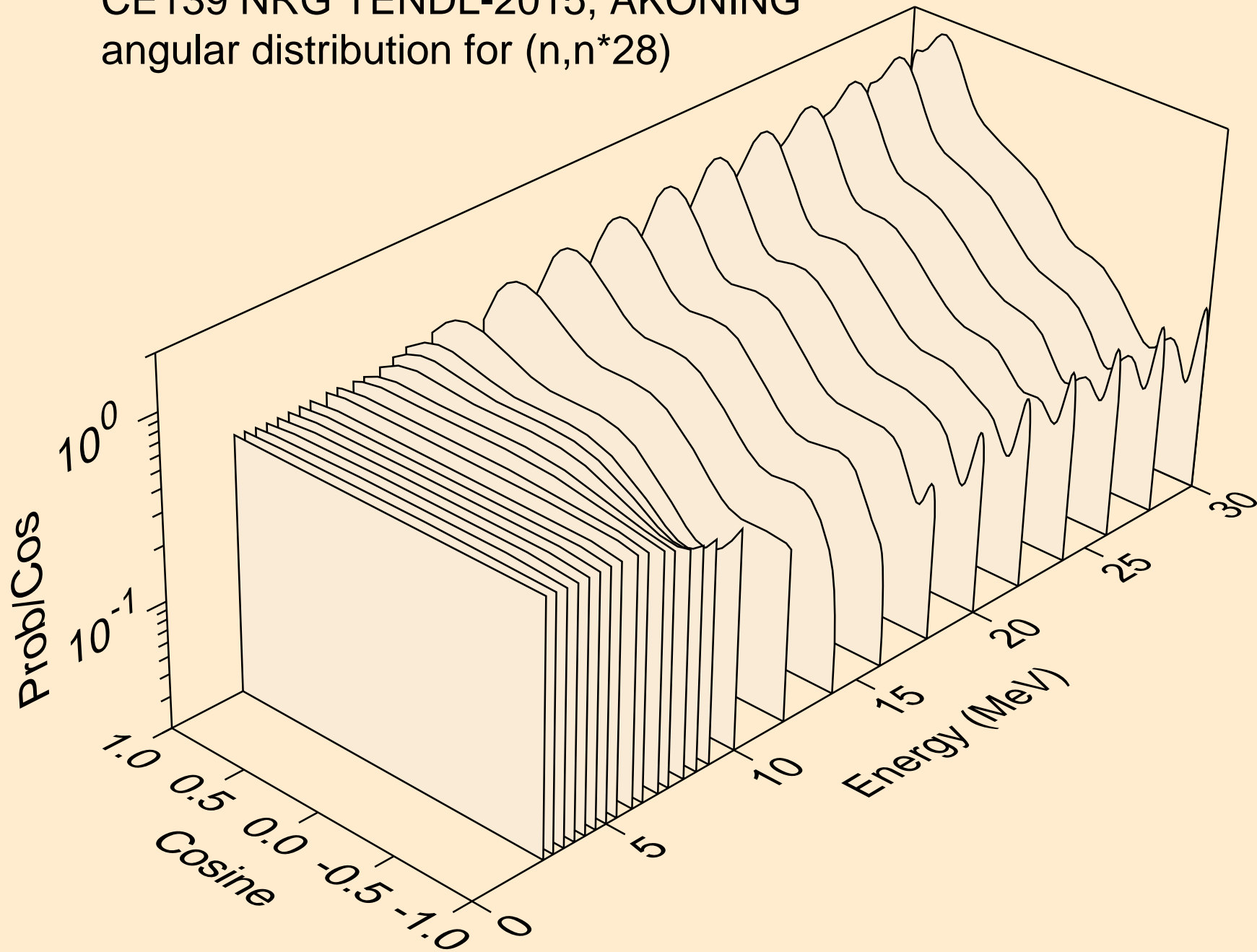
CE139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



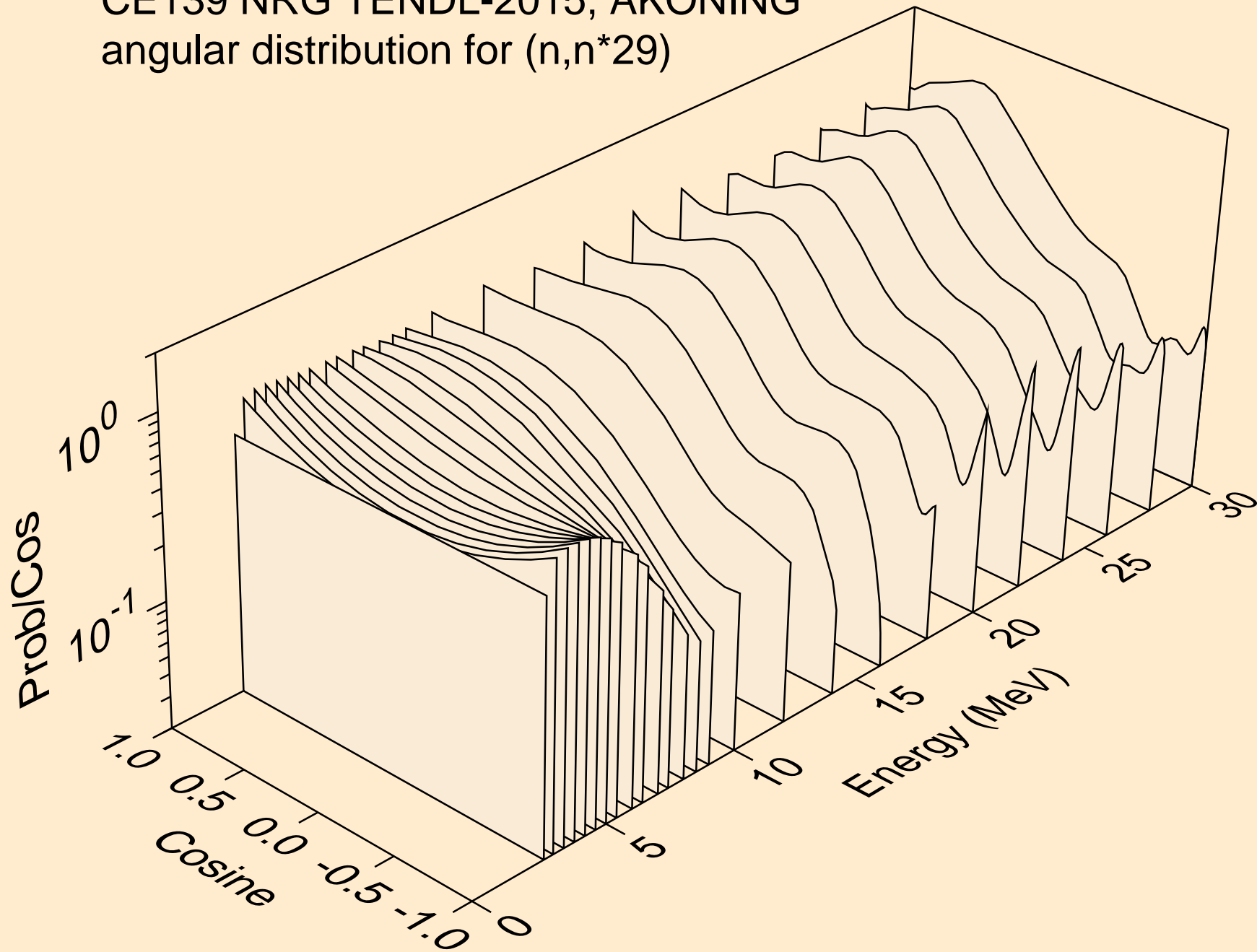
CE139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*27)



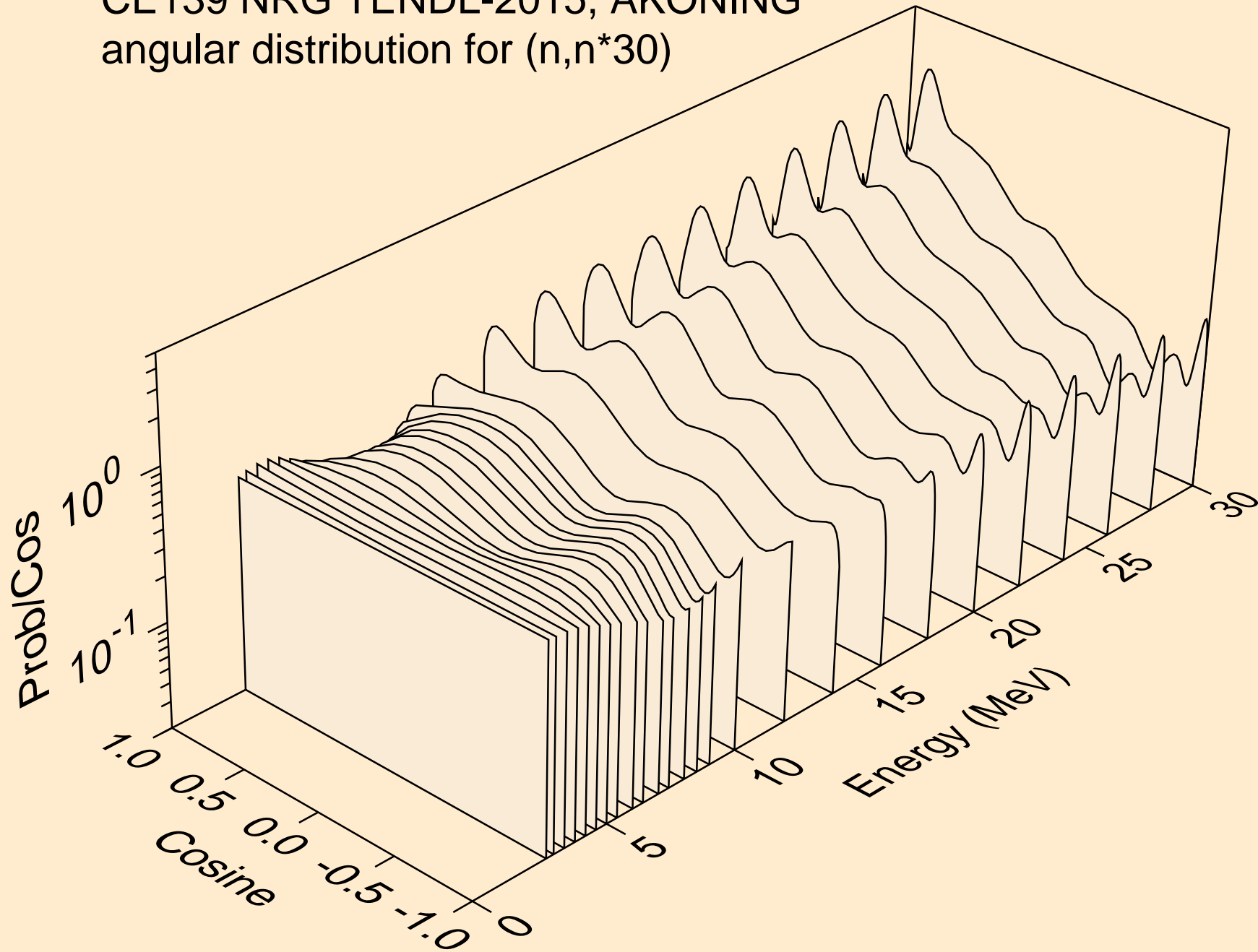
CE139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)



CE139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*29)

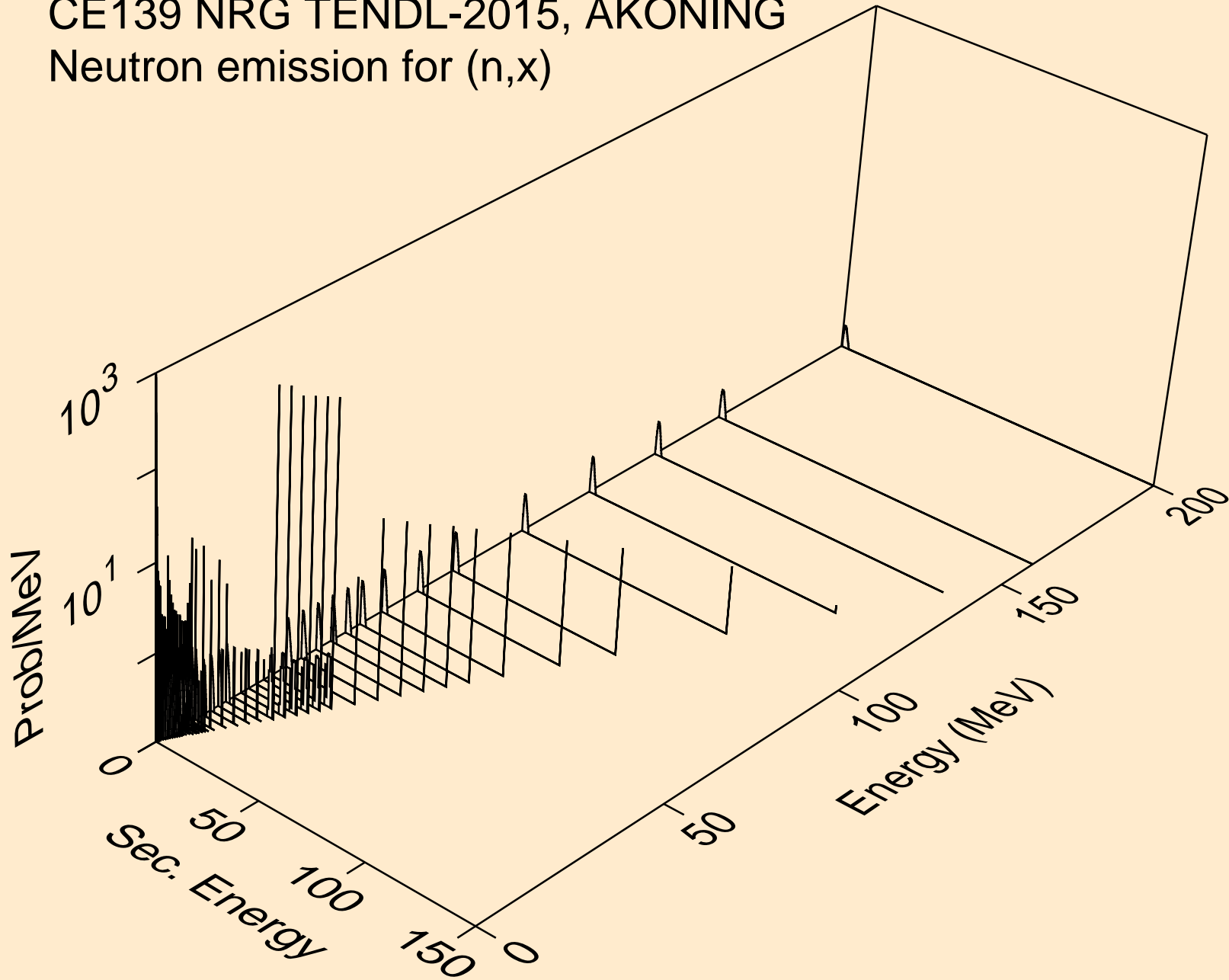


CE139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*30)

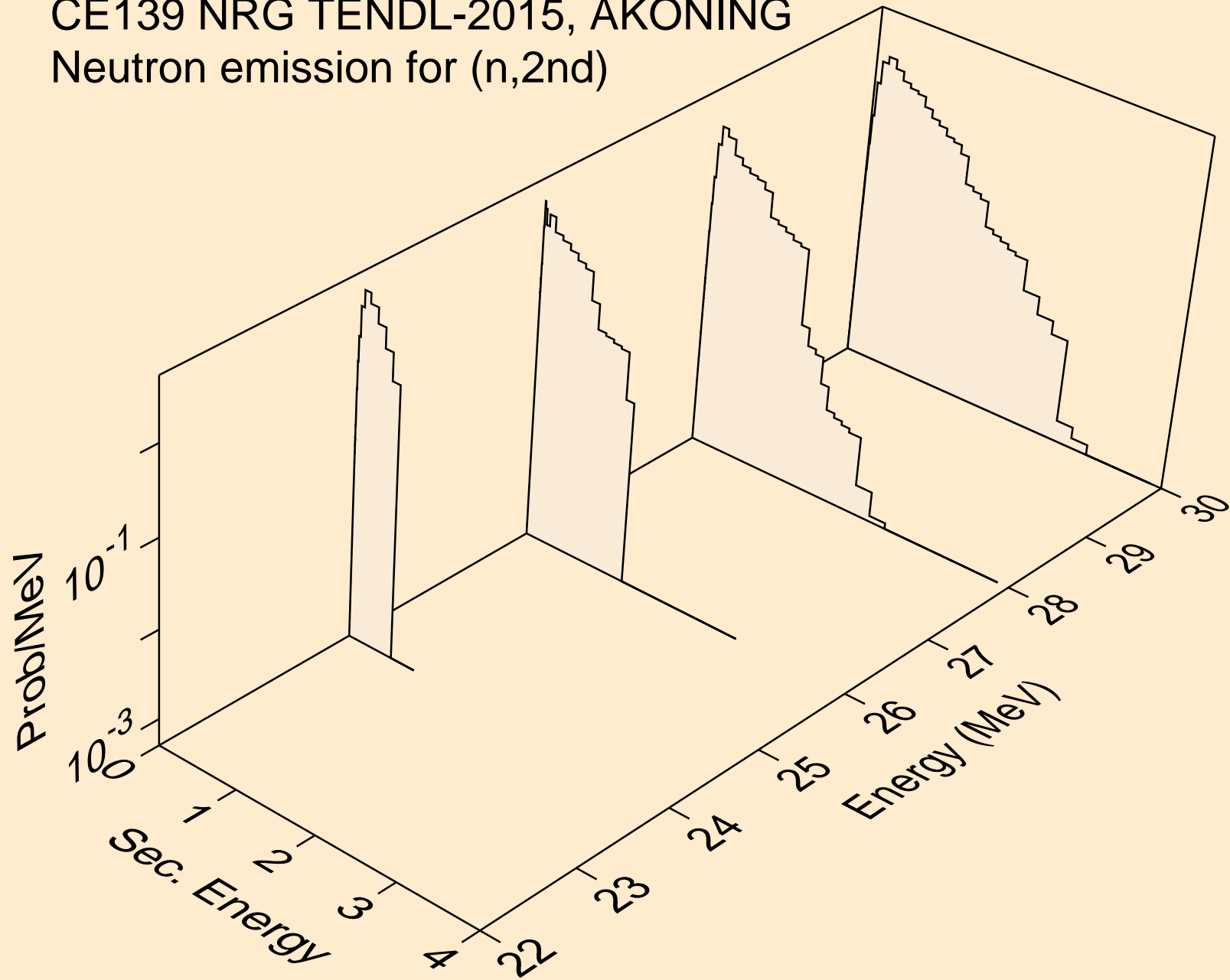




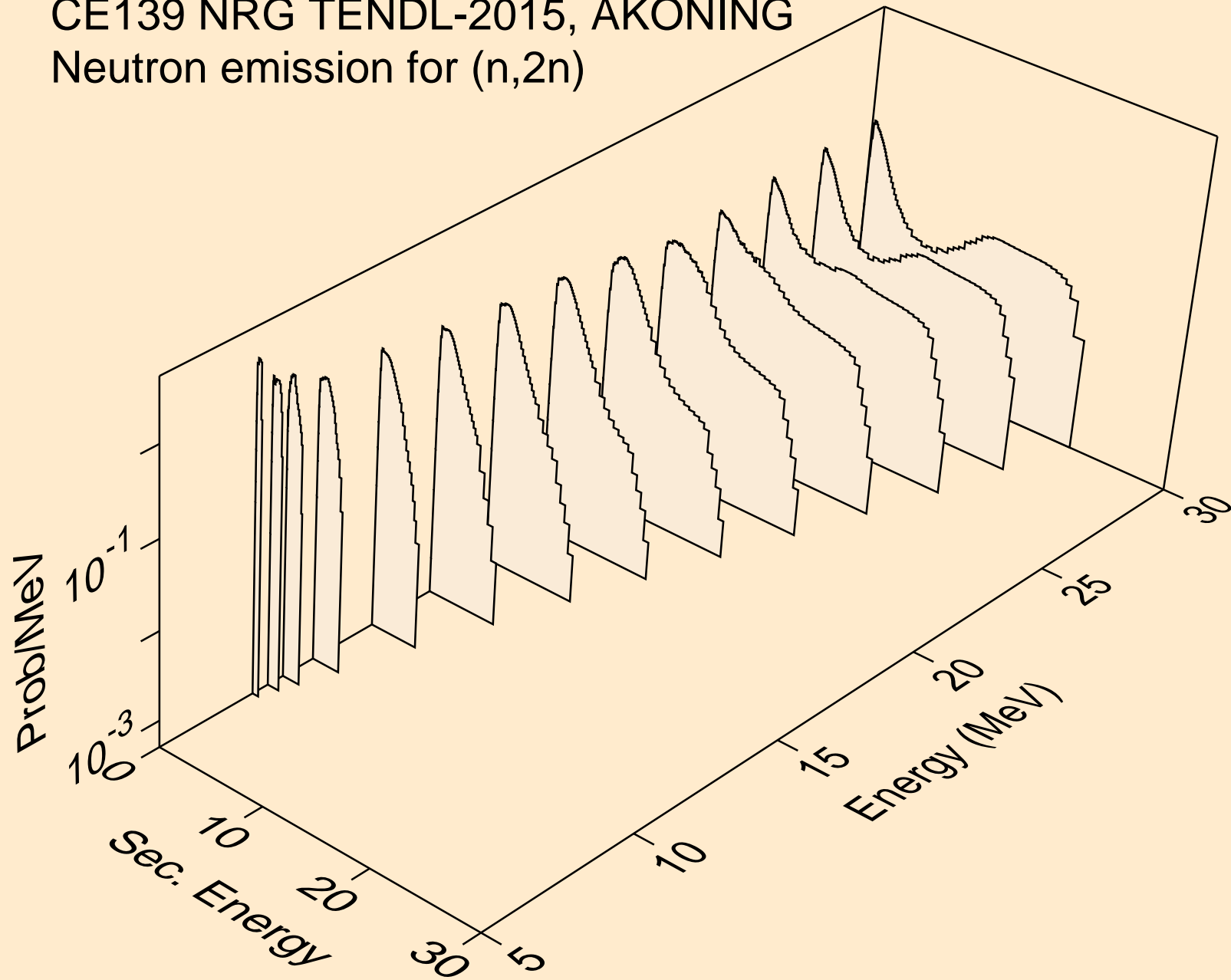
CE139 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



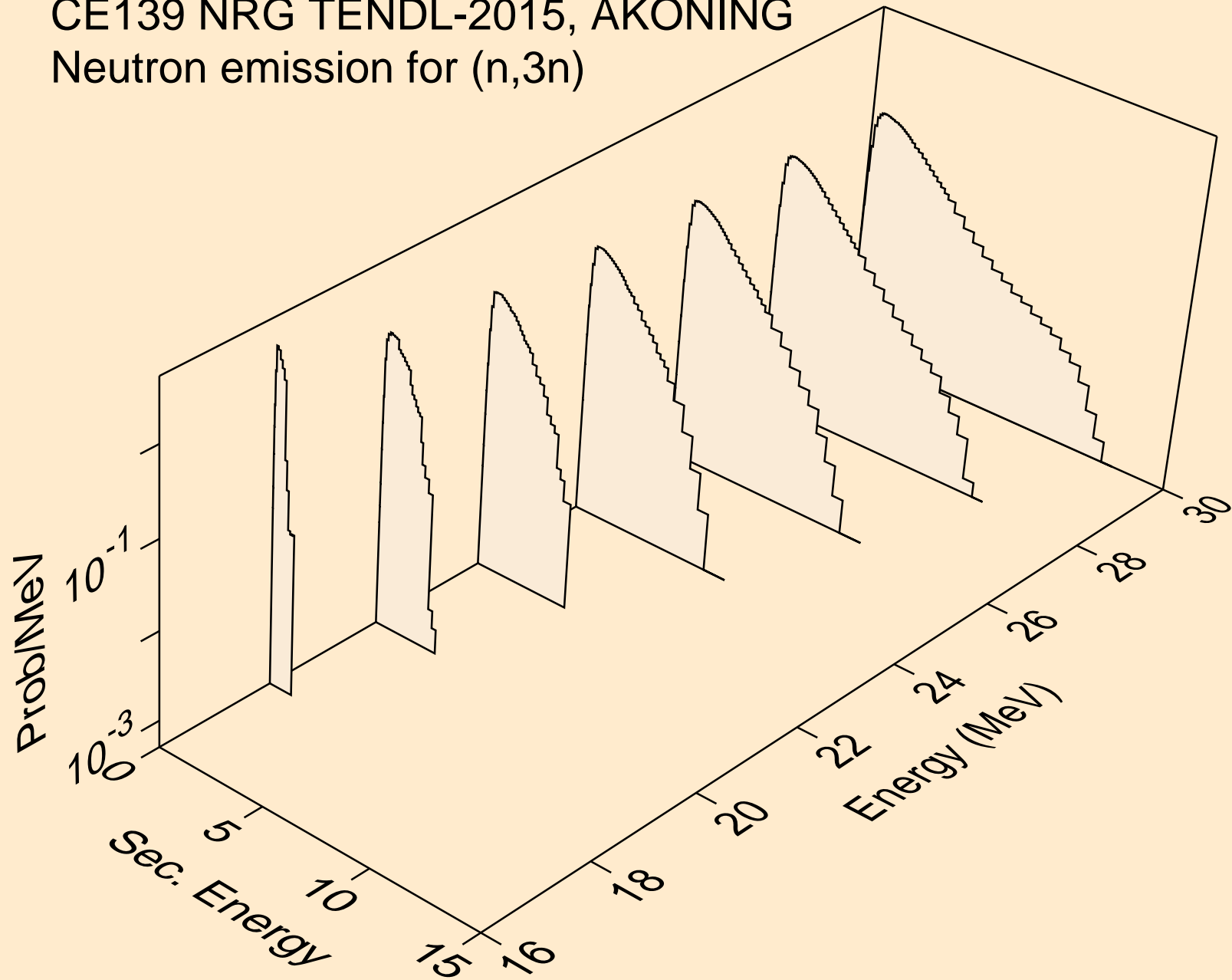
CE139 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



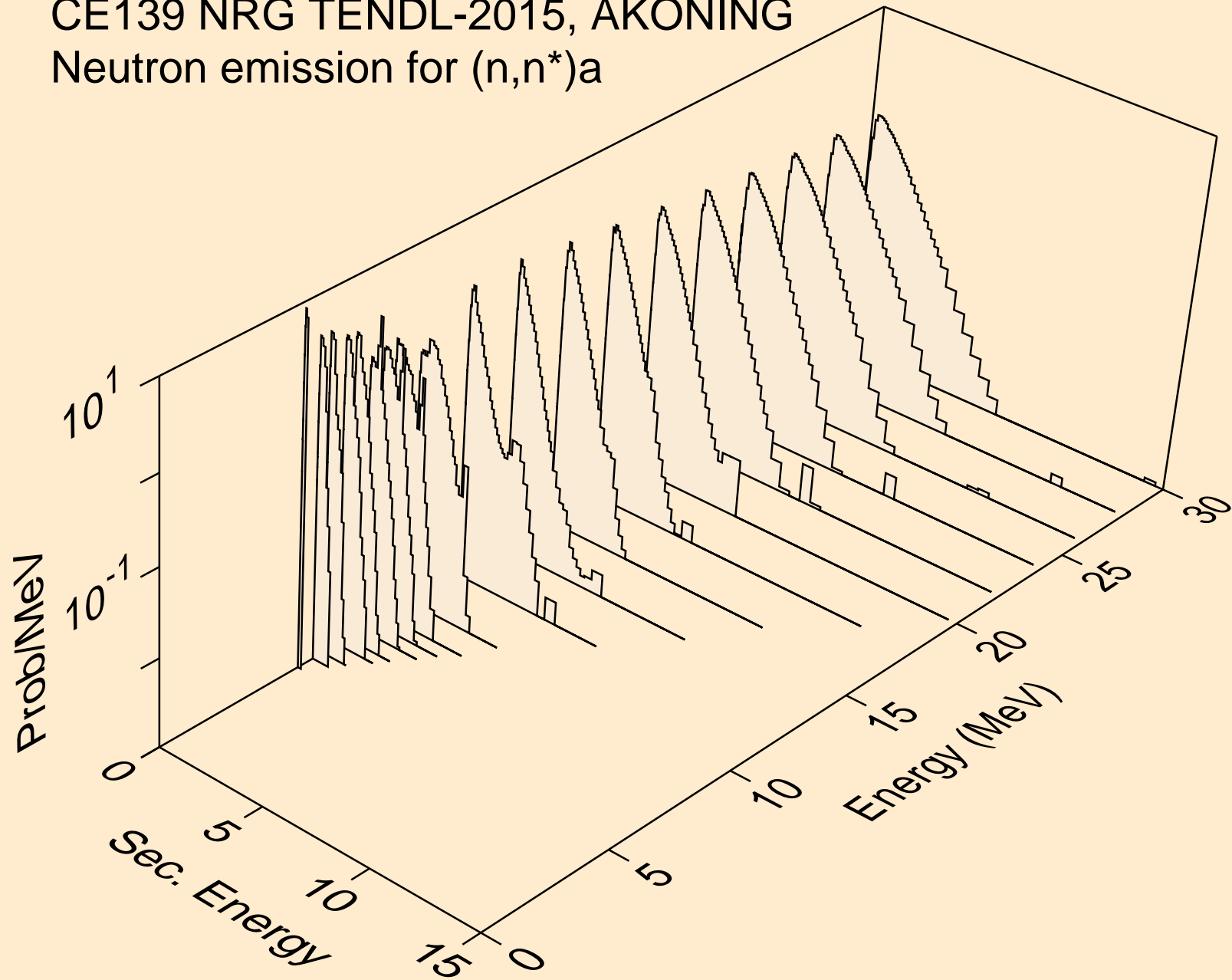
CE139 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



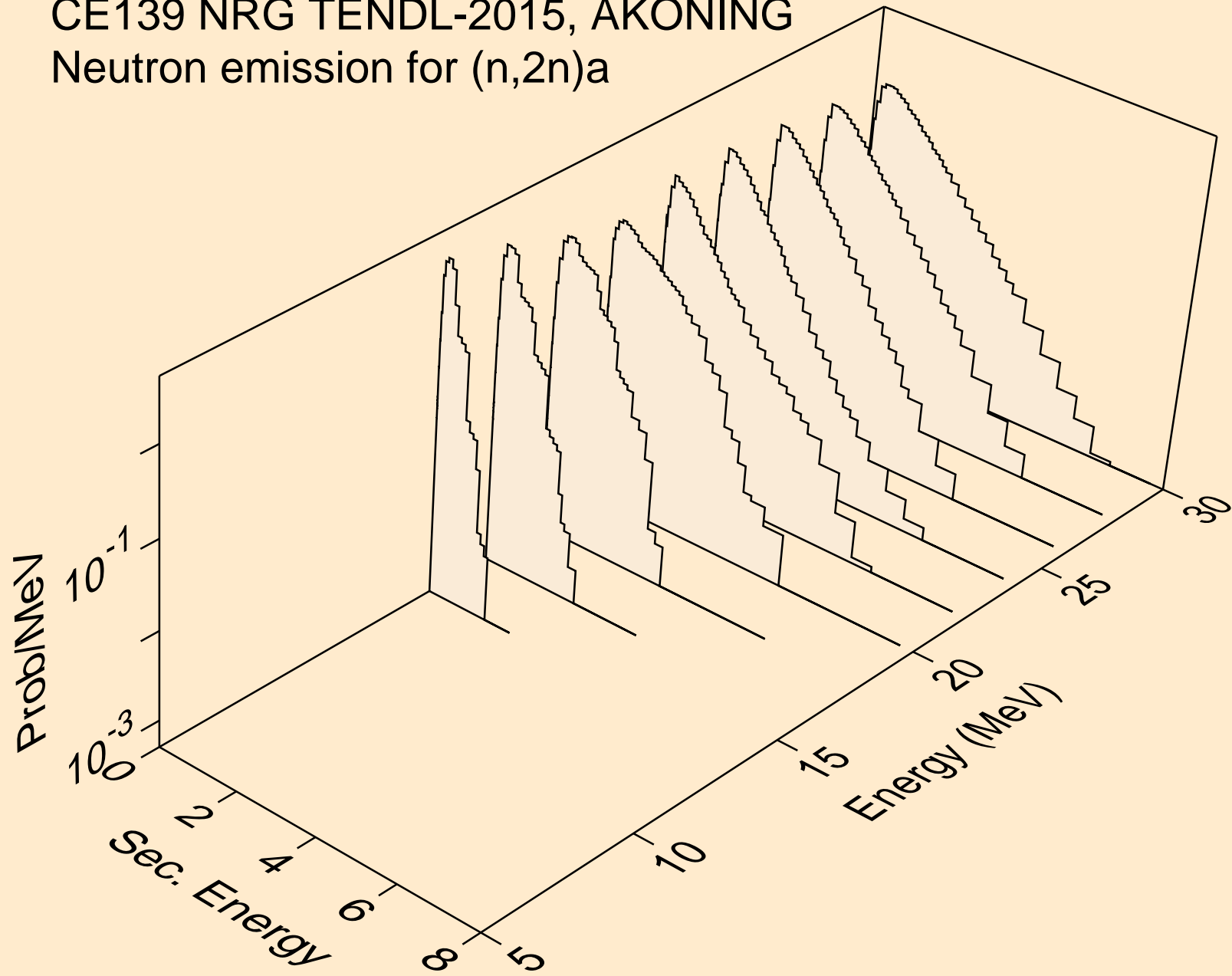
CE139 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



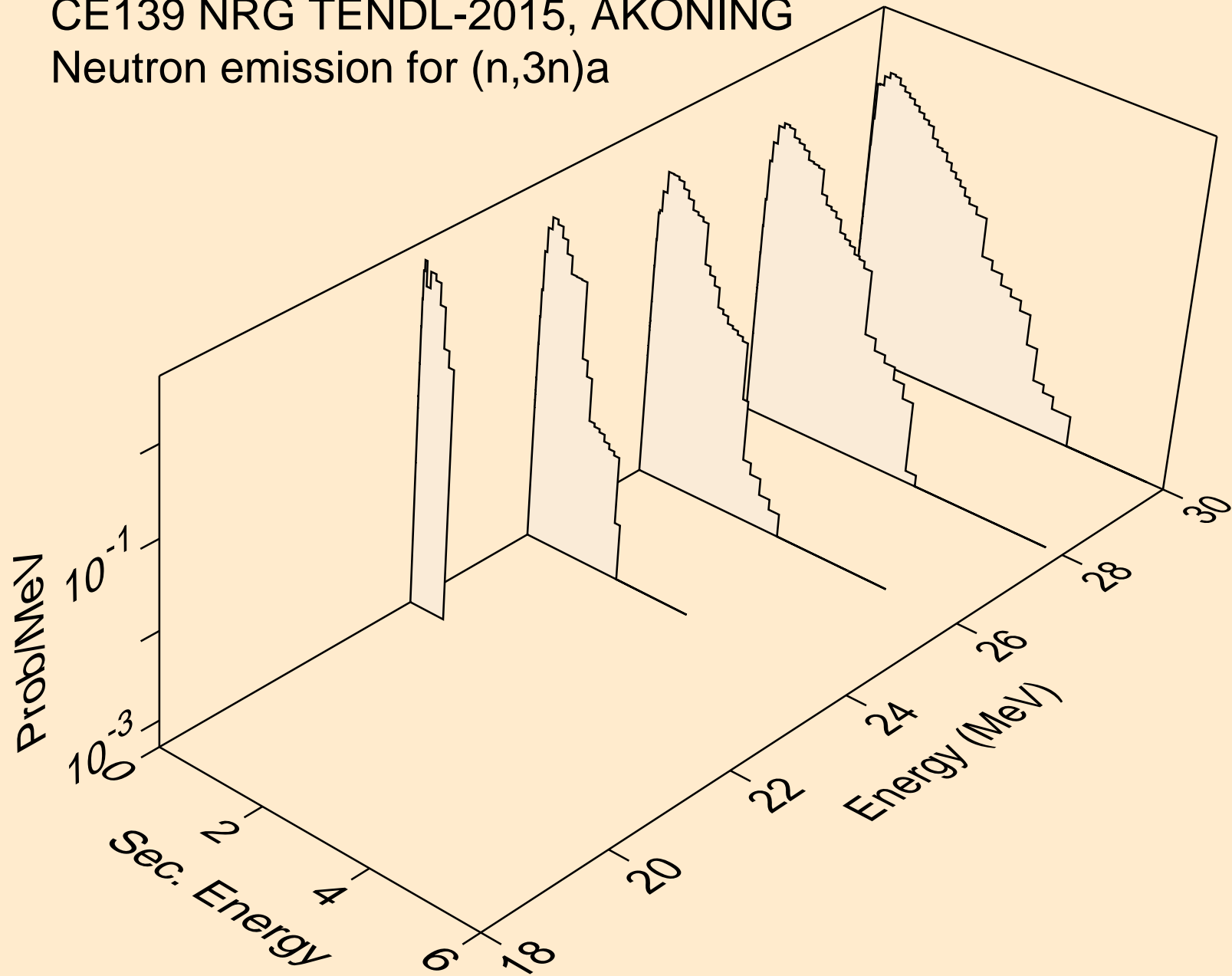
CE139 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



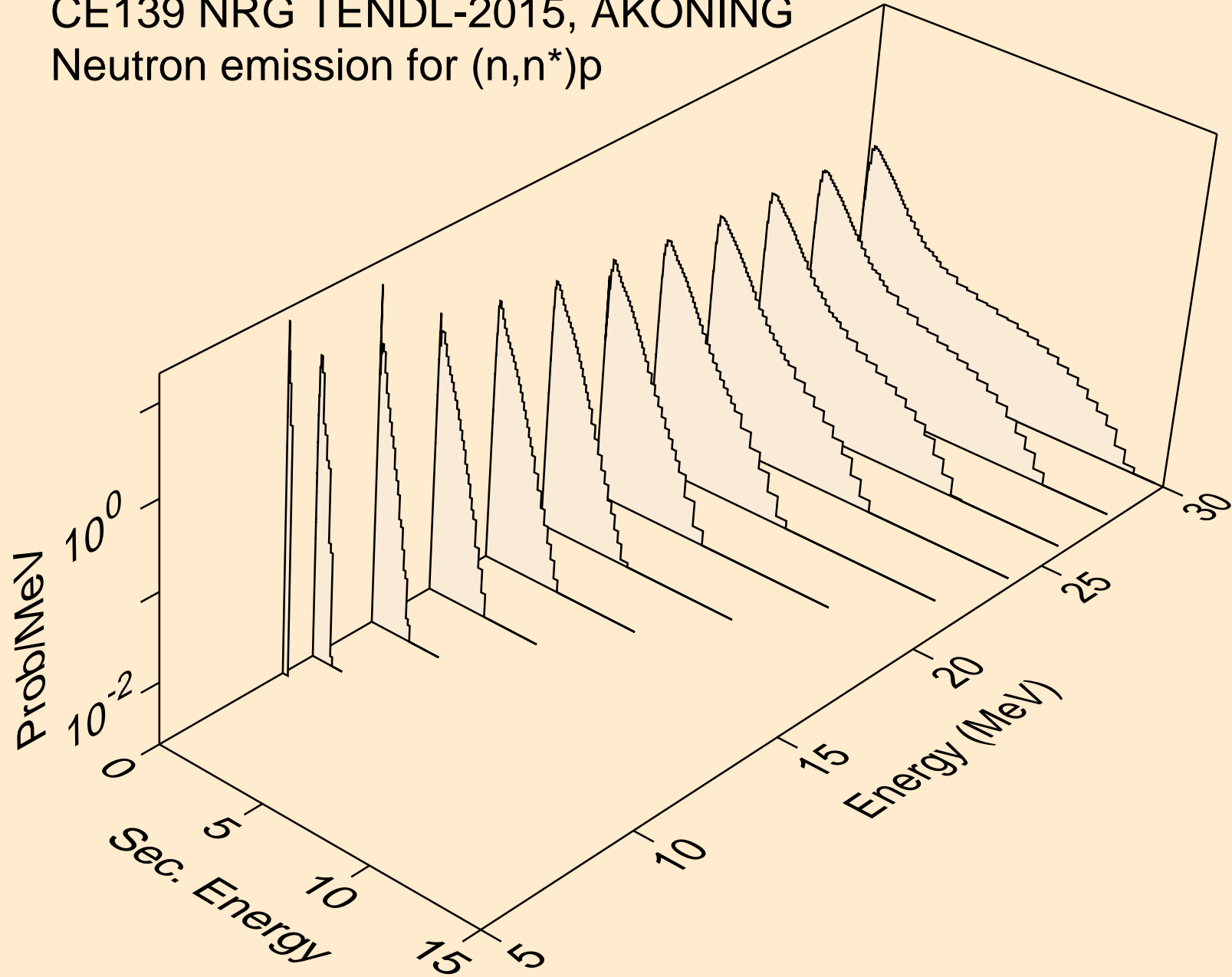
CE139 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



CE139 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a

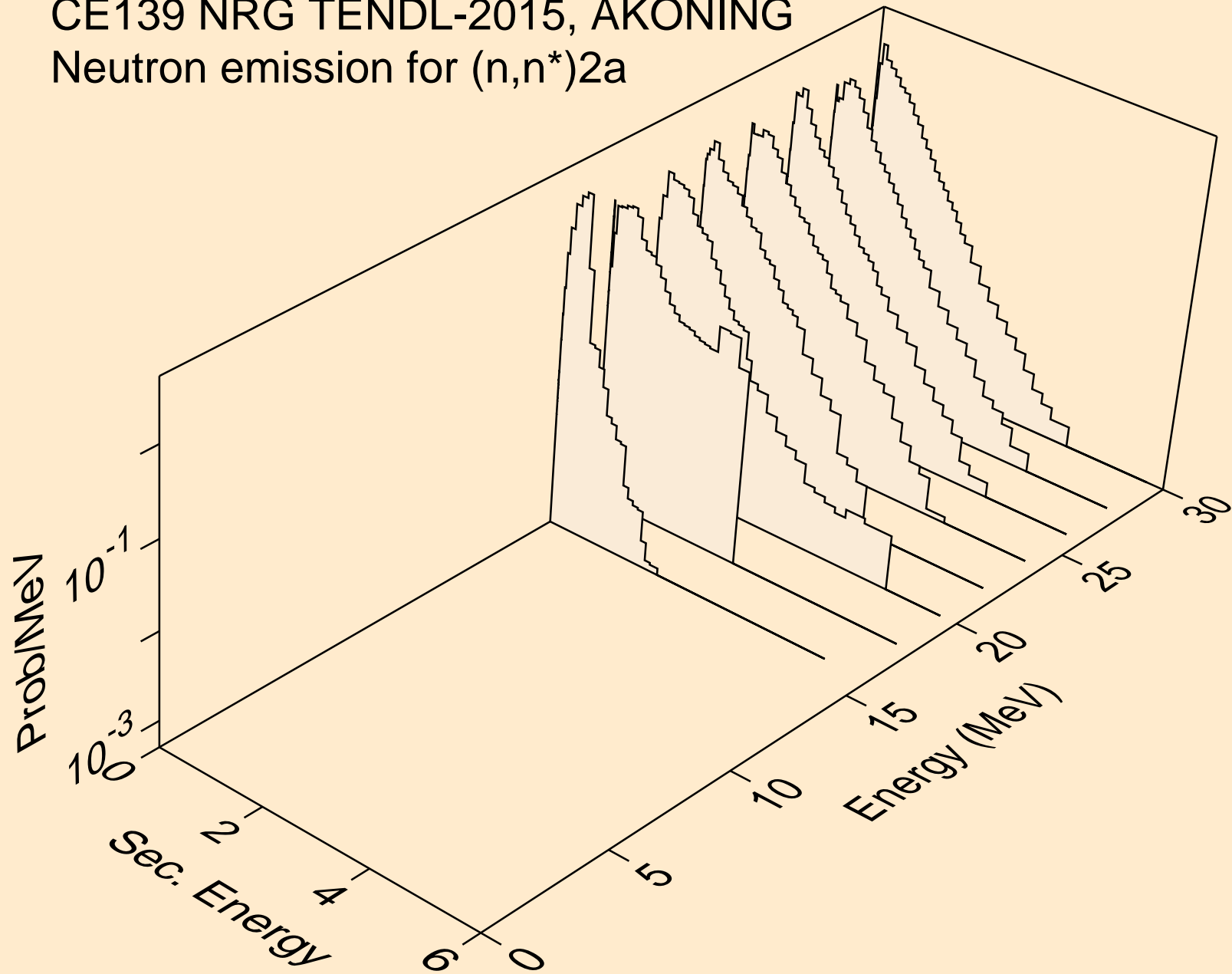


CE139 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p

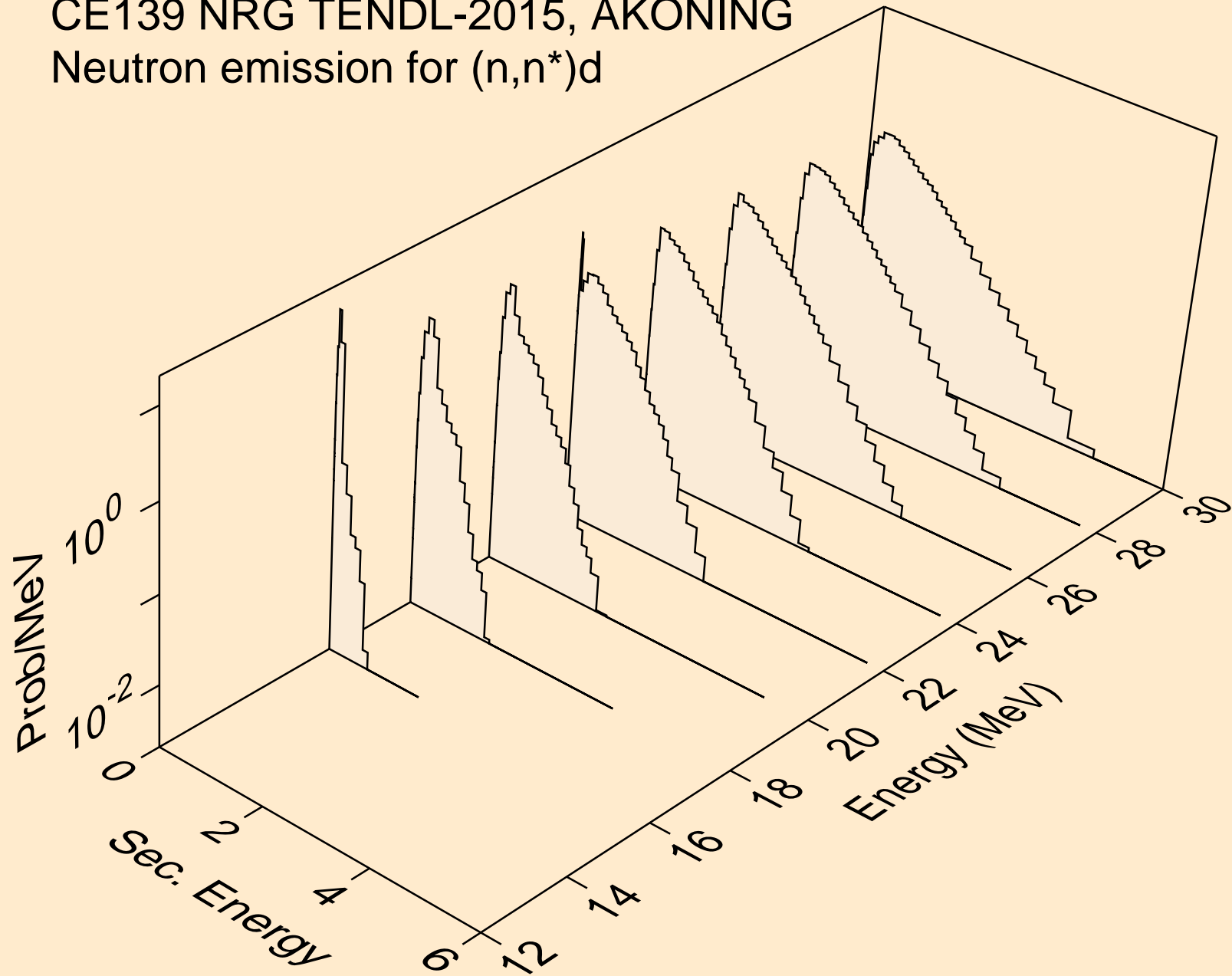




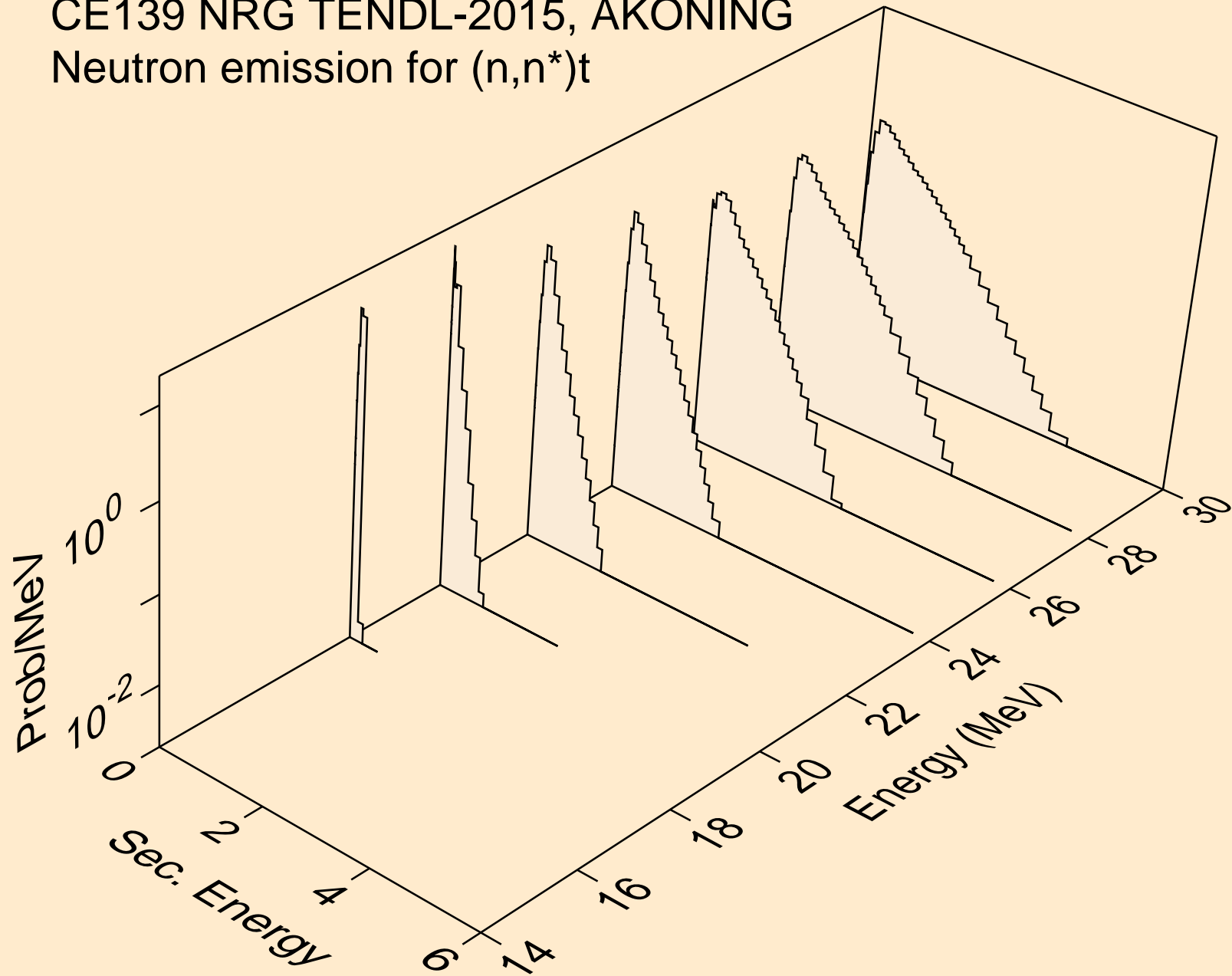
CE139 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



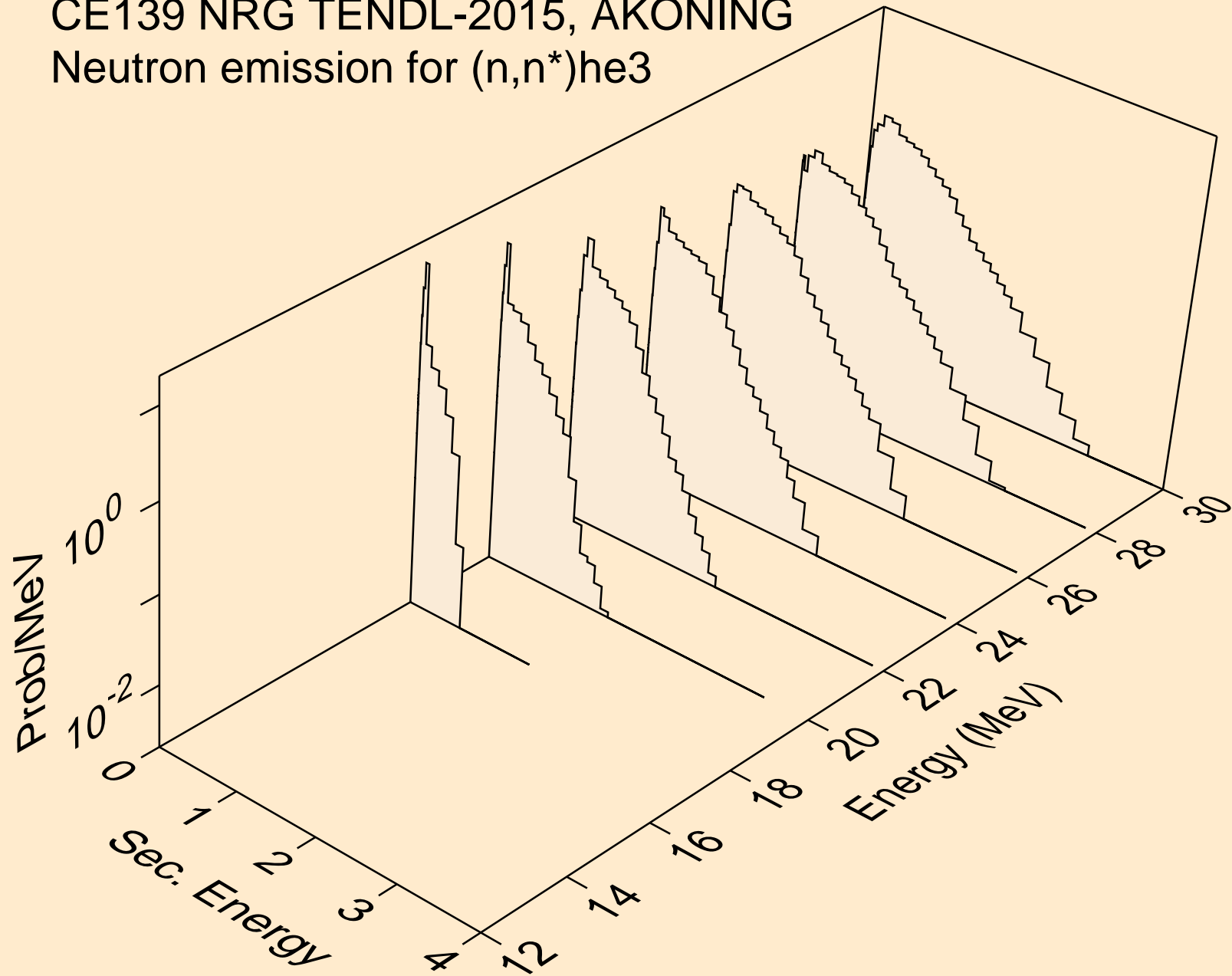
CE139 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



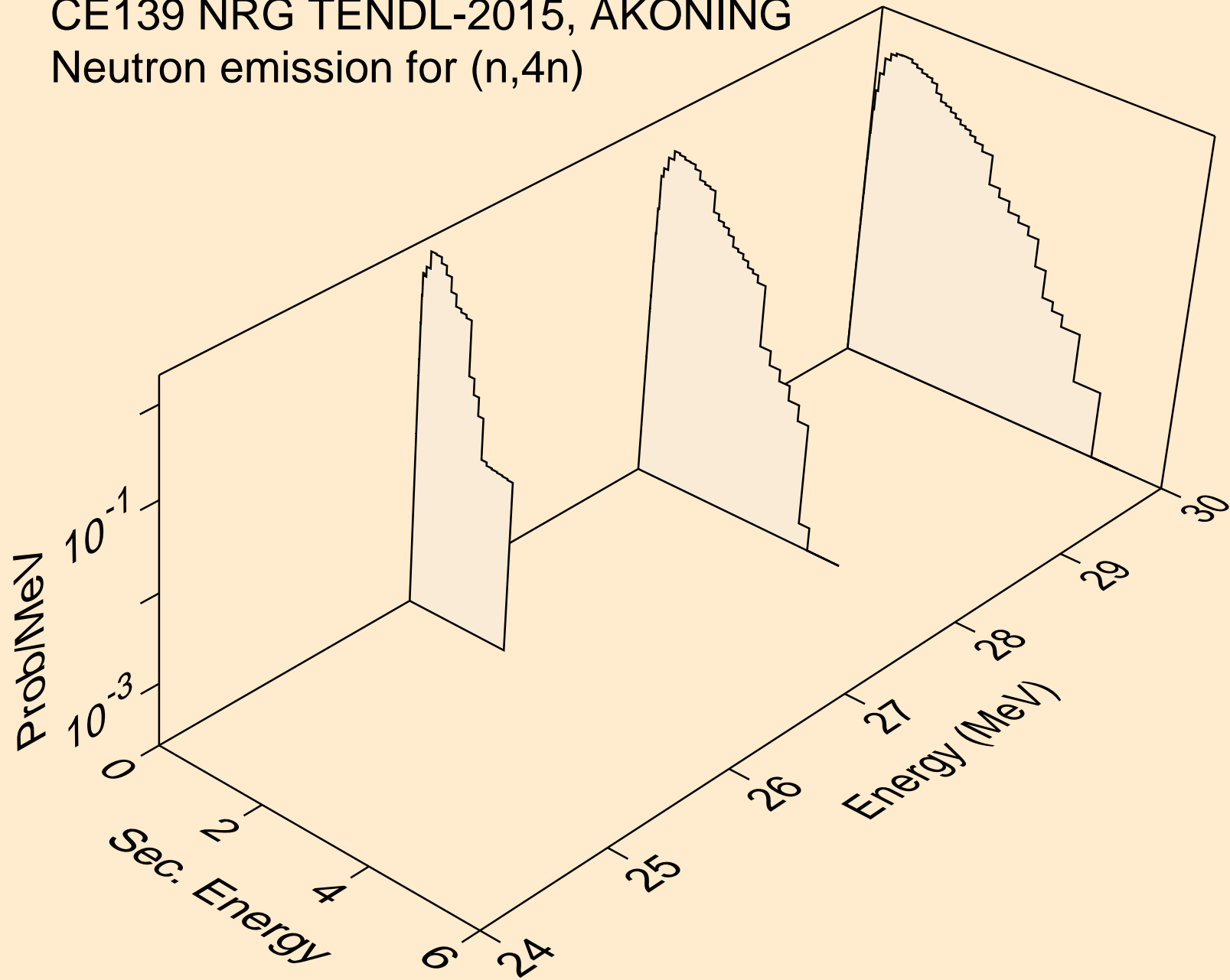
CE139 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



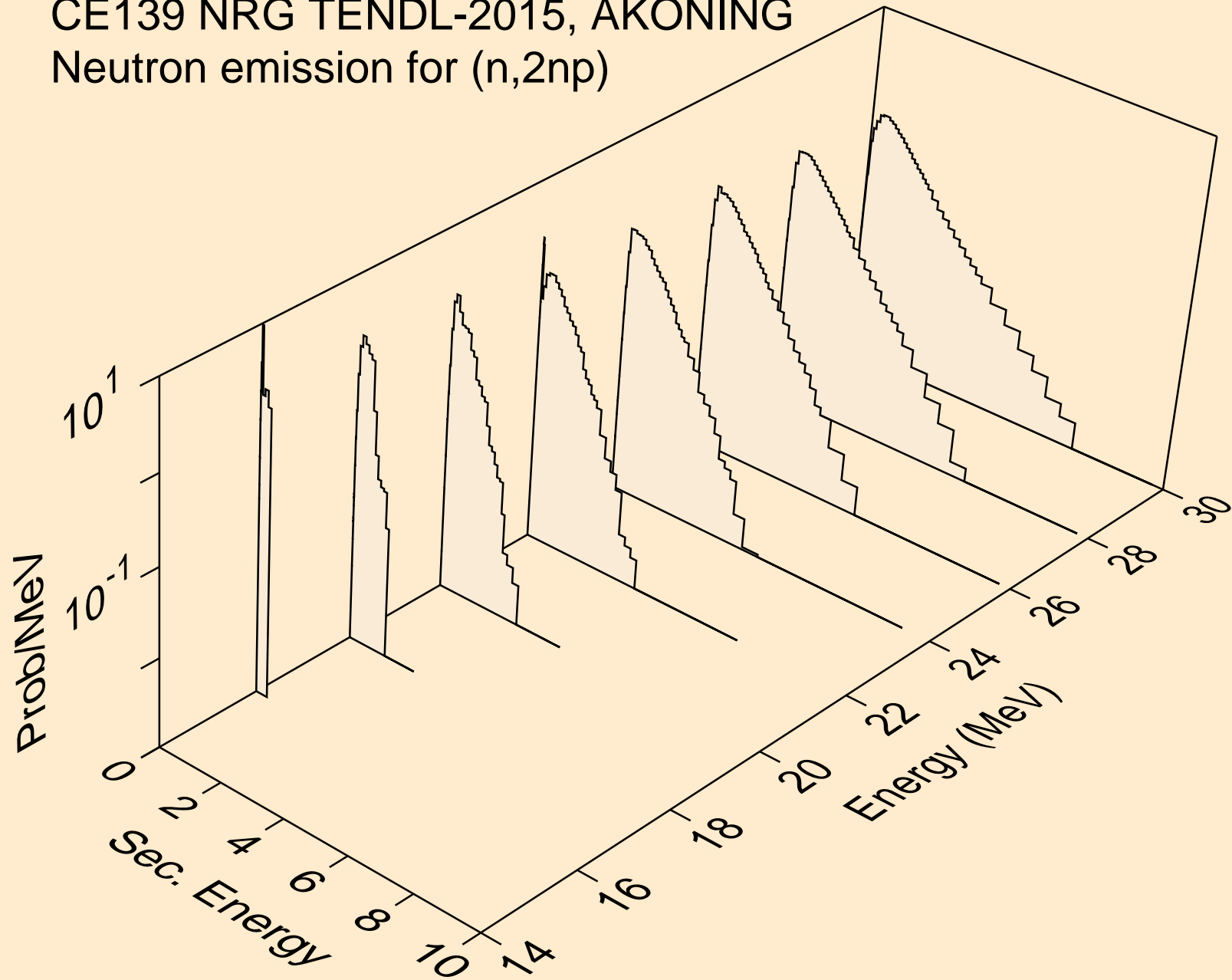
CE139 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



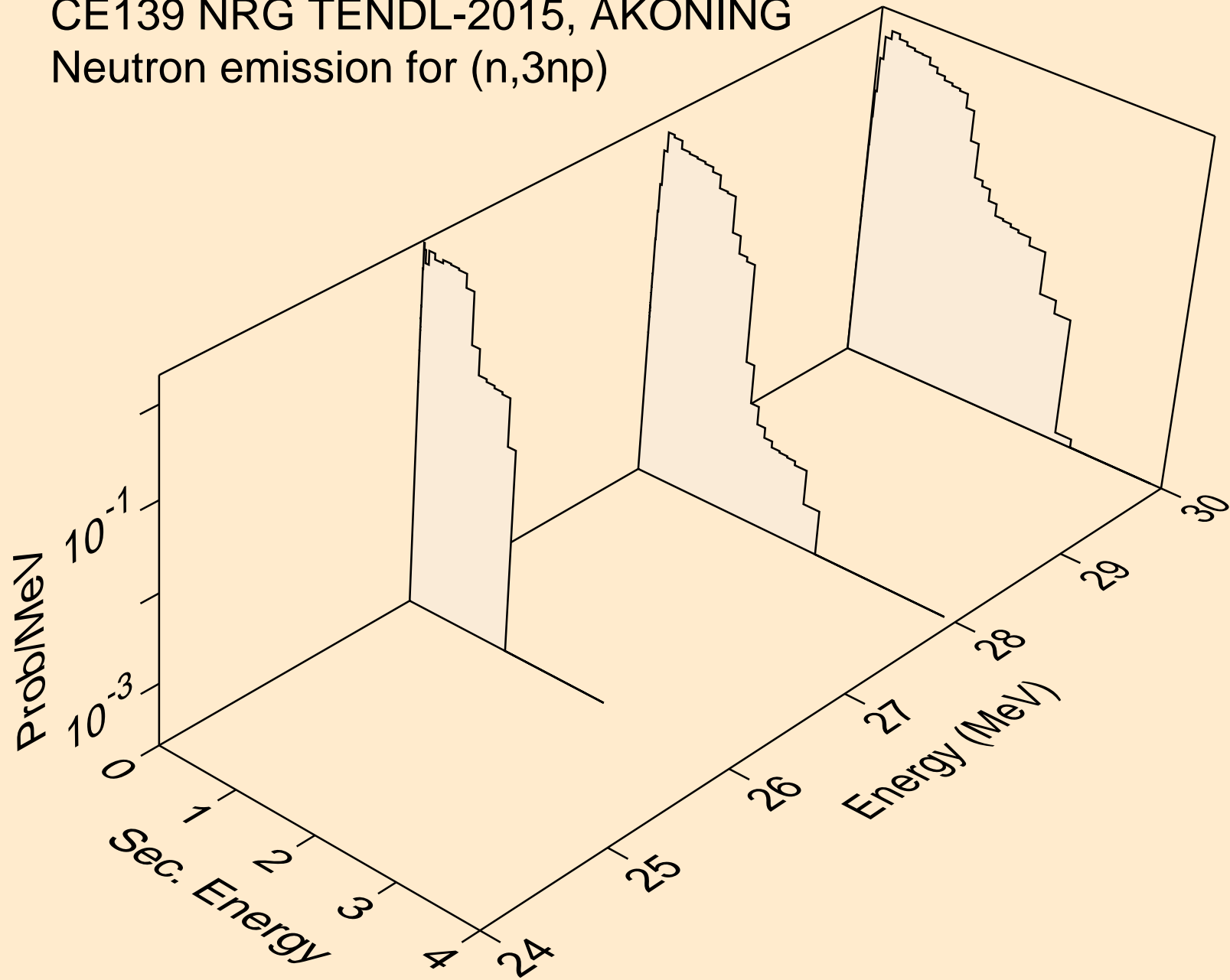
CE139 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



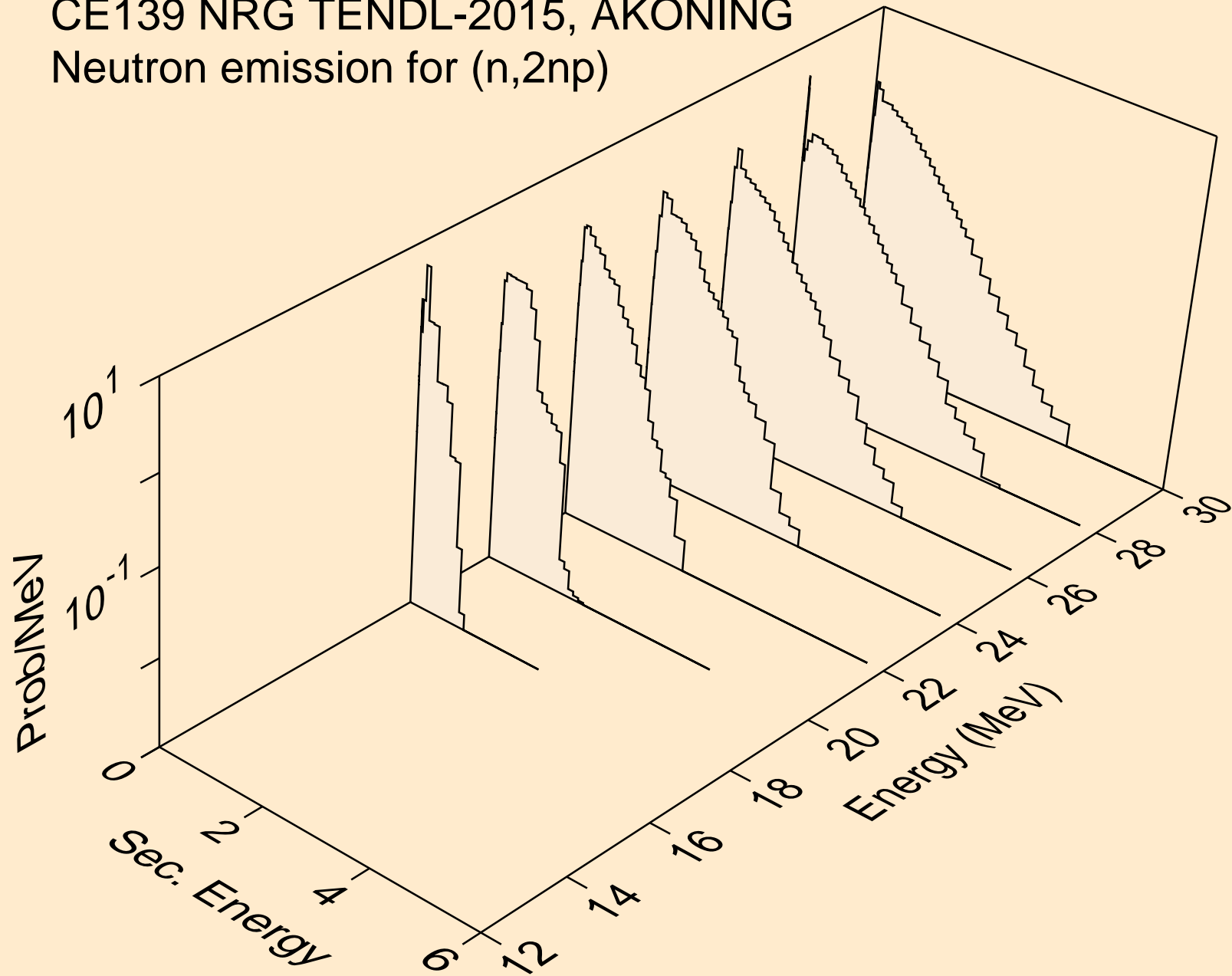
CE139 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



CE139 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)

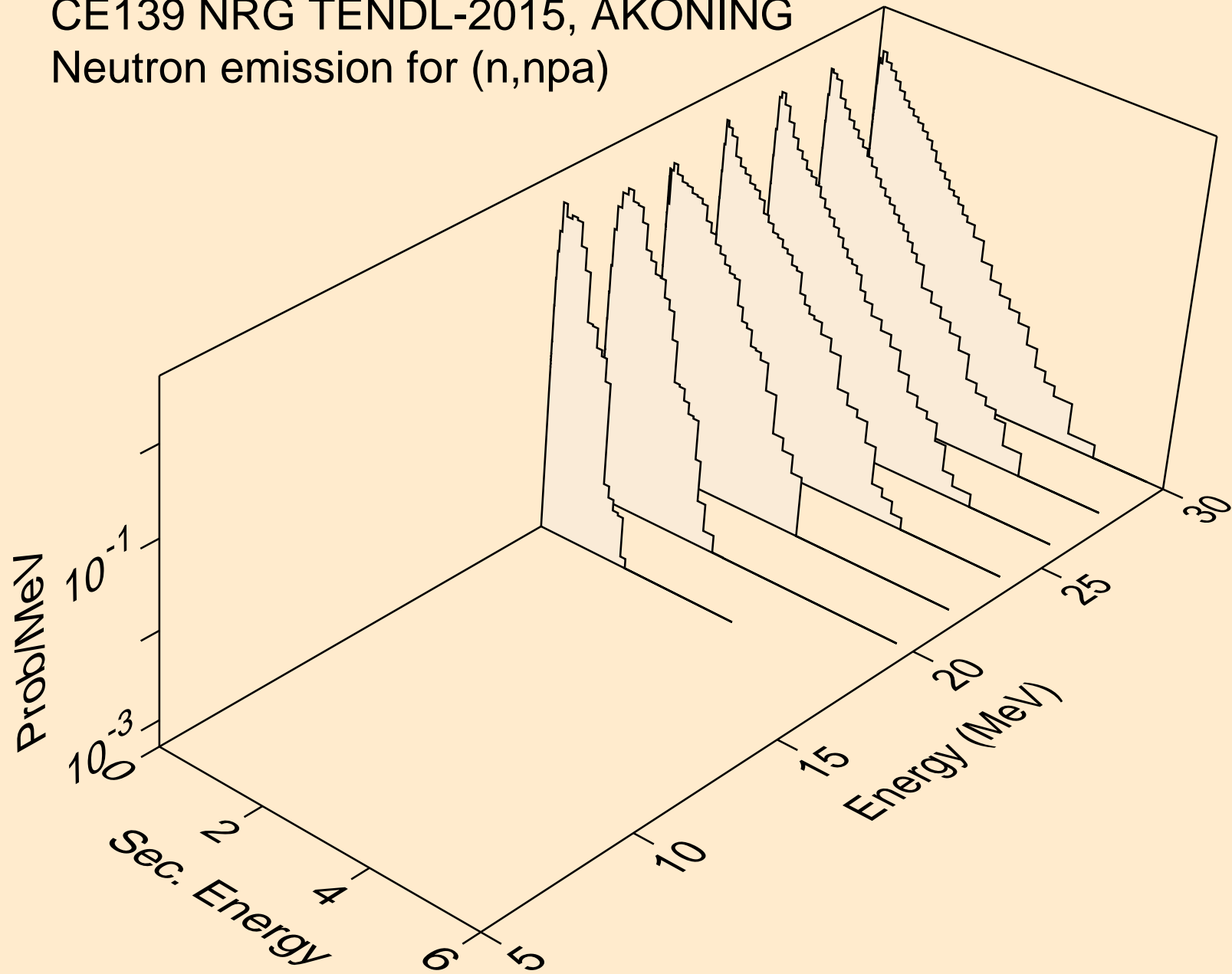


CE139 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)

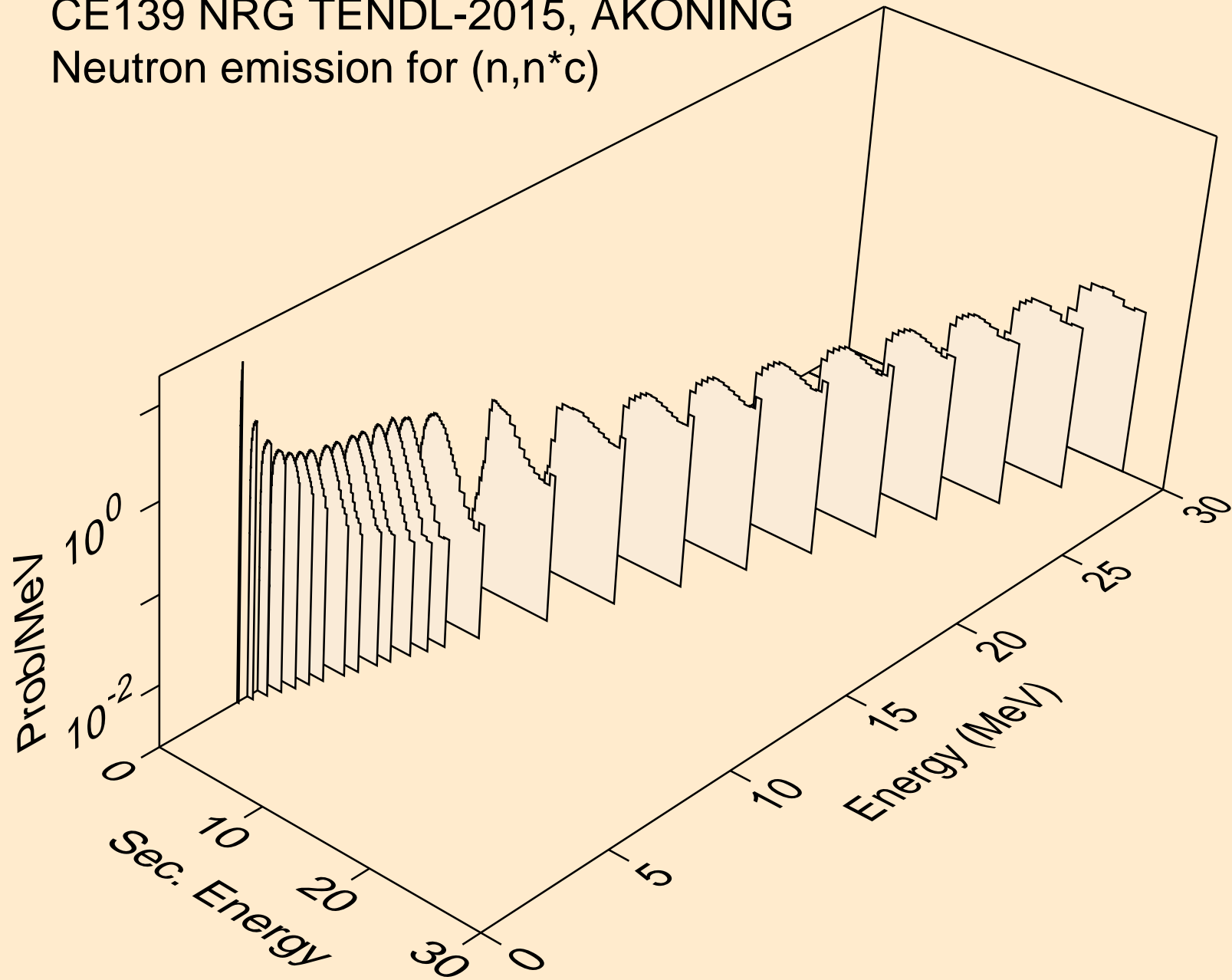




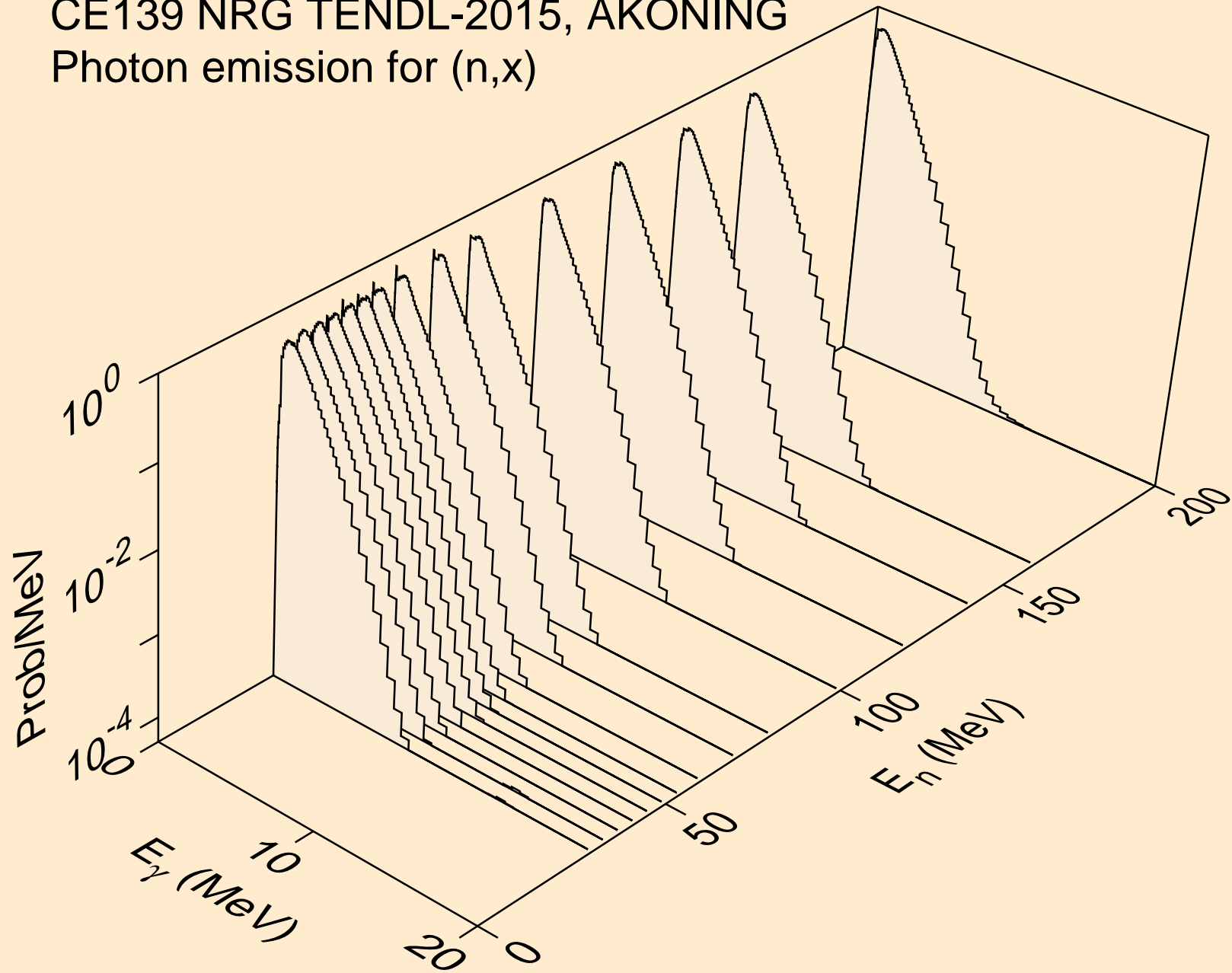
CE139 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



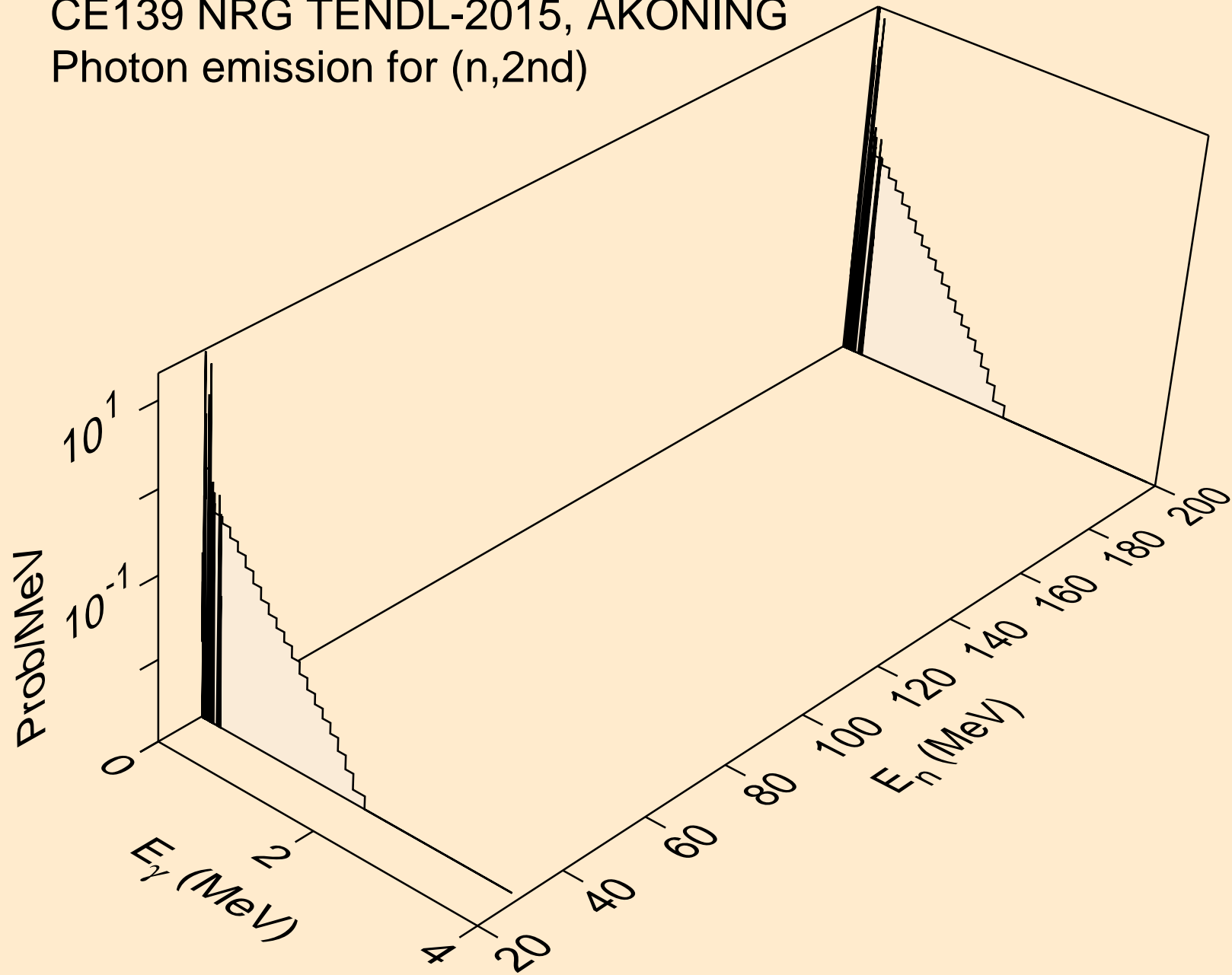
CE139 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



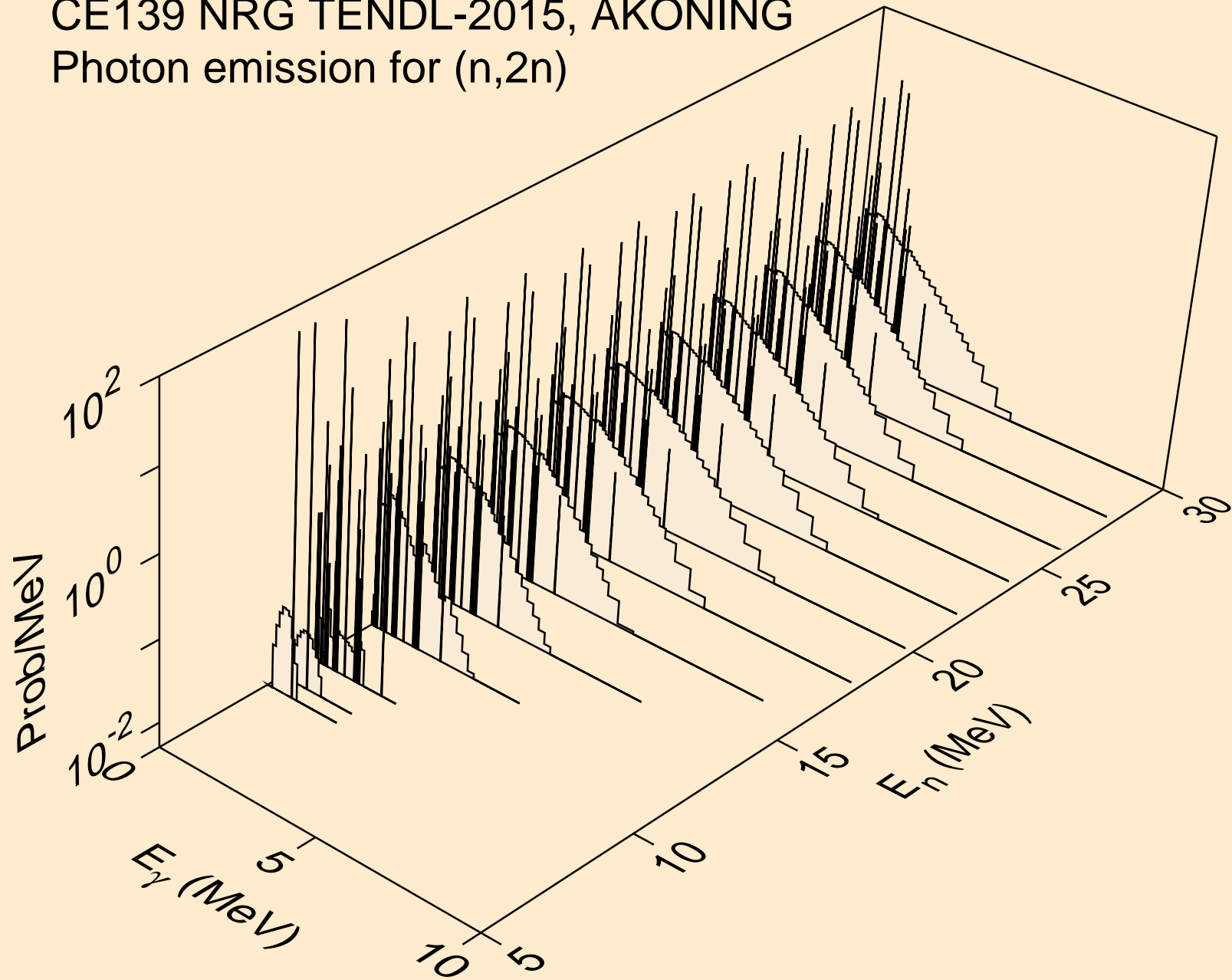
CE139 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



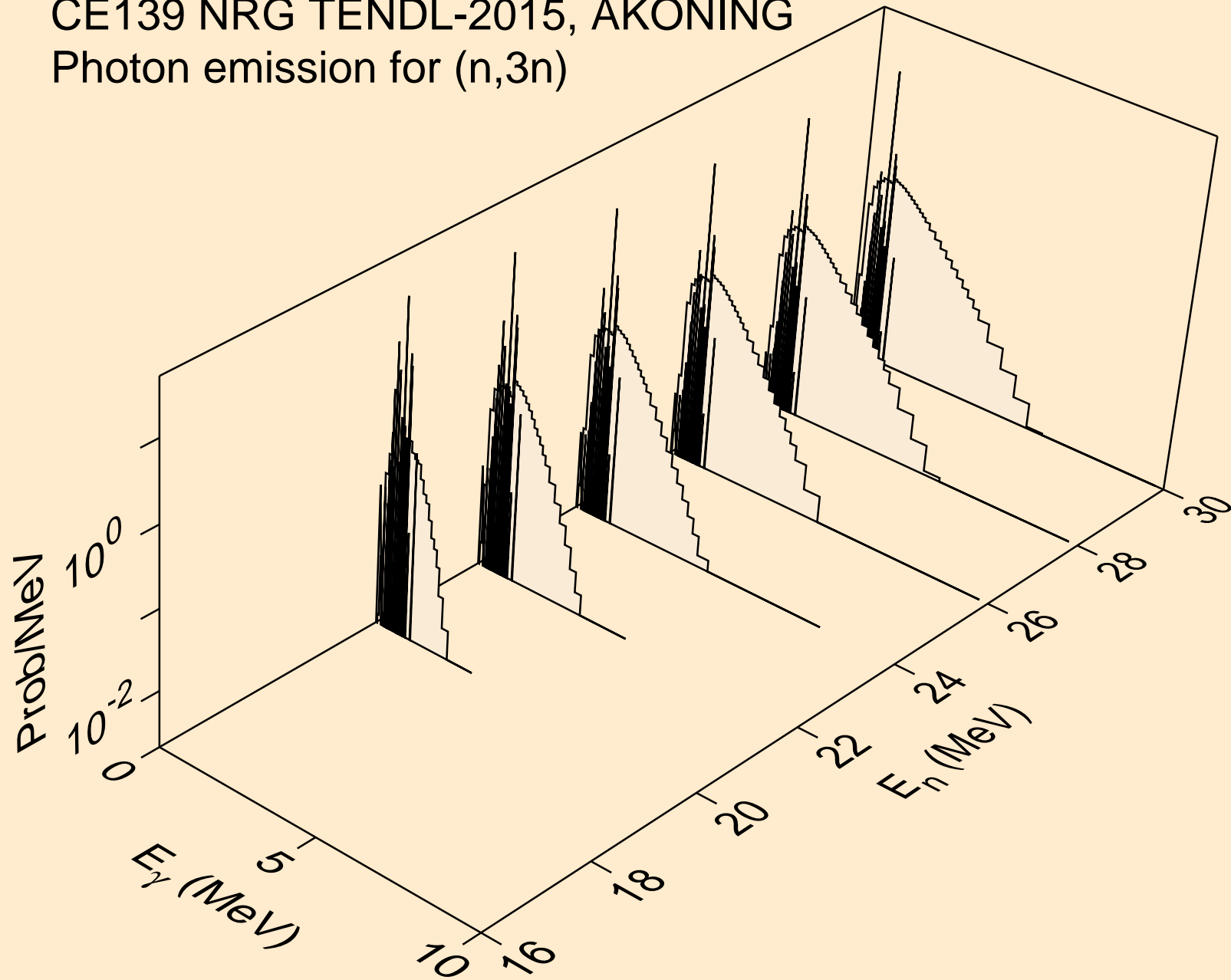
CE139 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



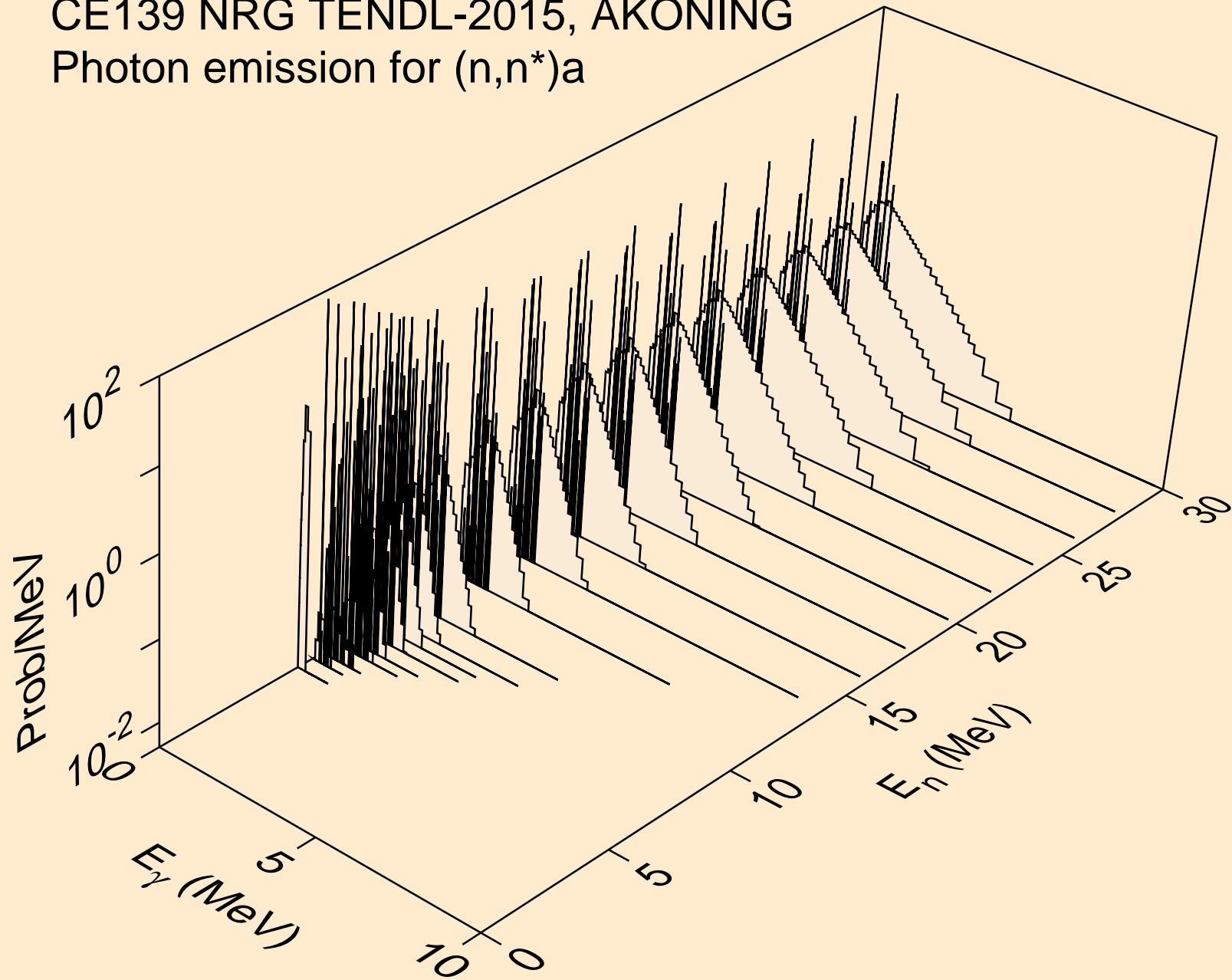
CE139 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



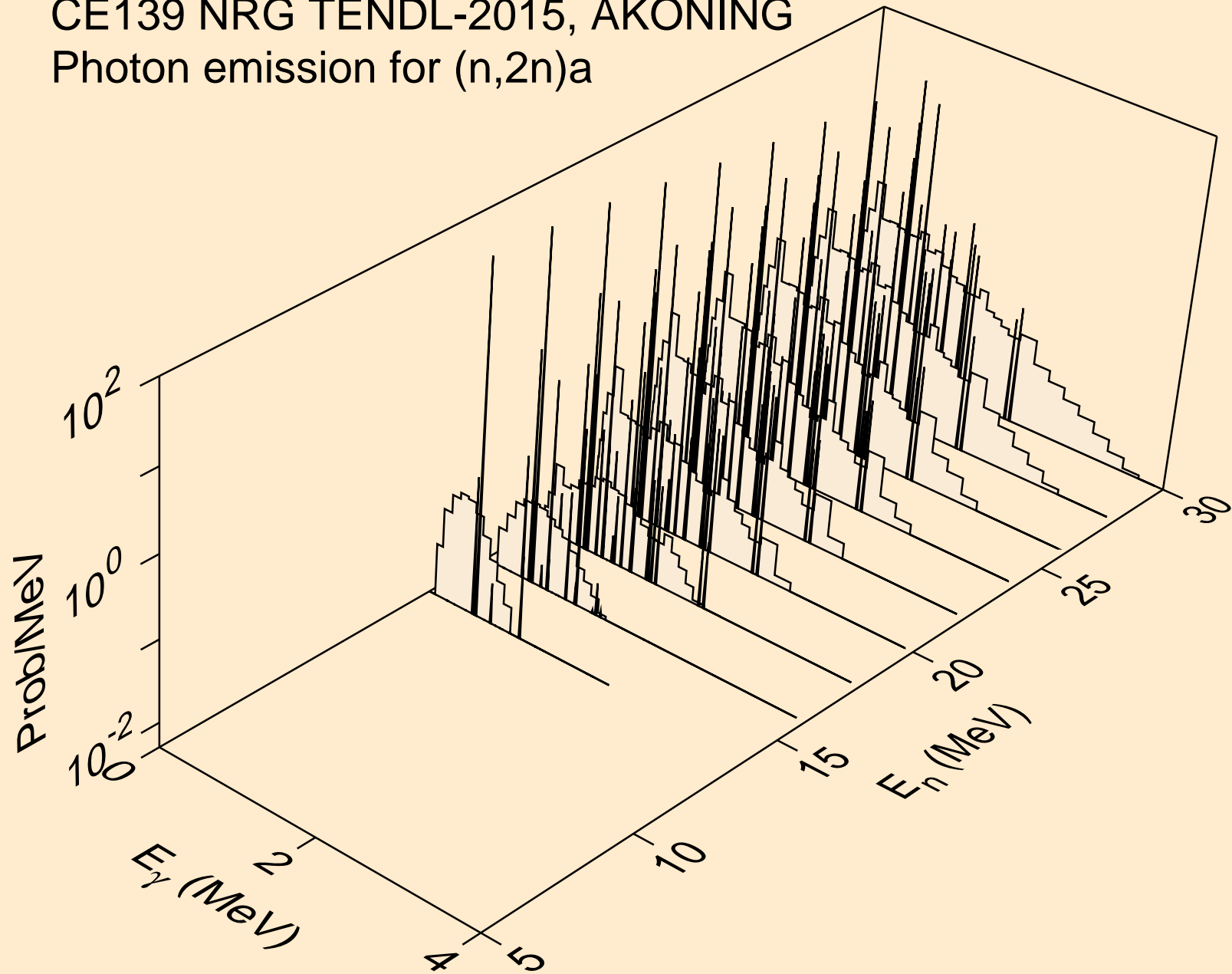
CE139 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



CE139 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a

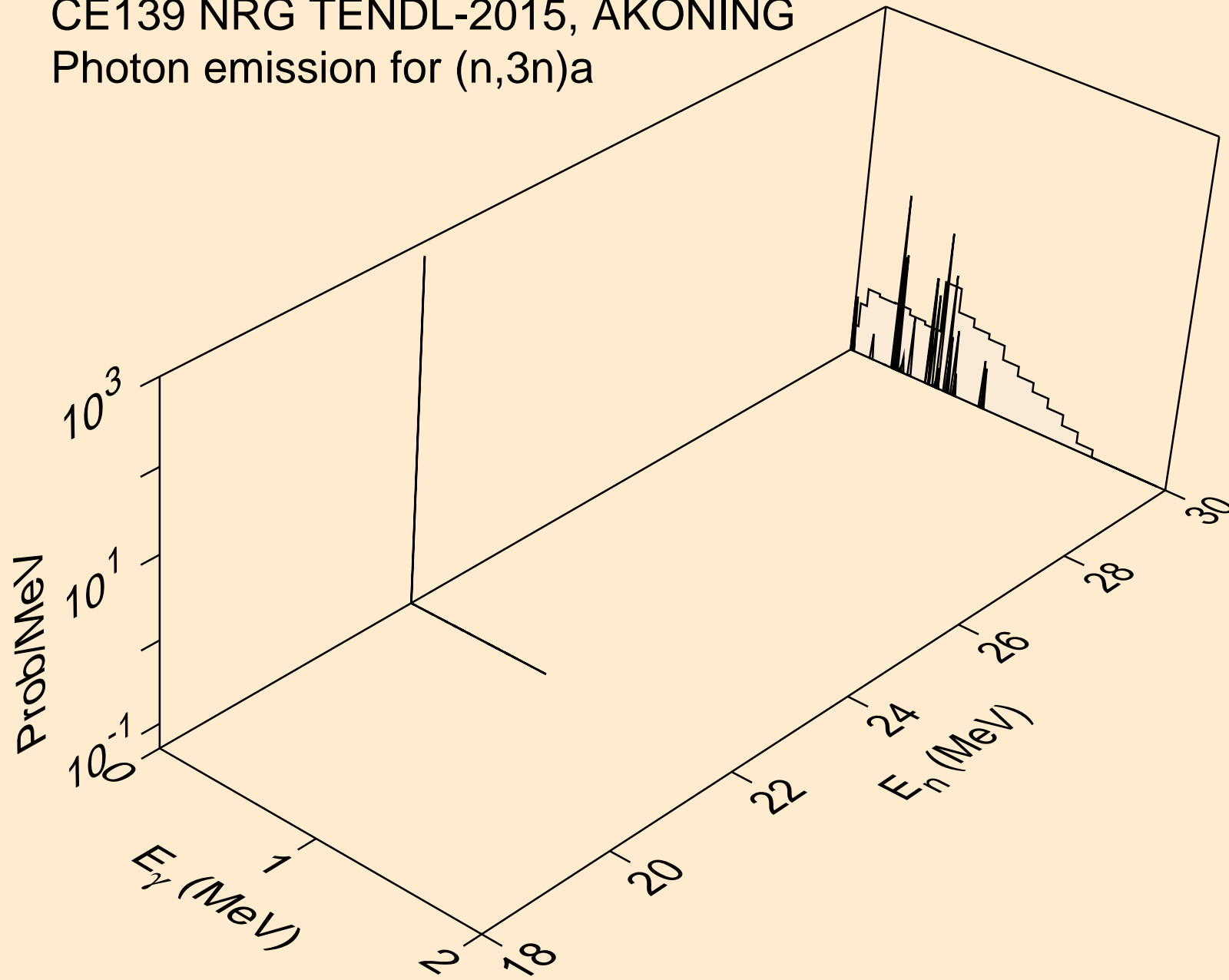


CE139 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



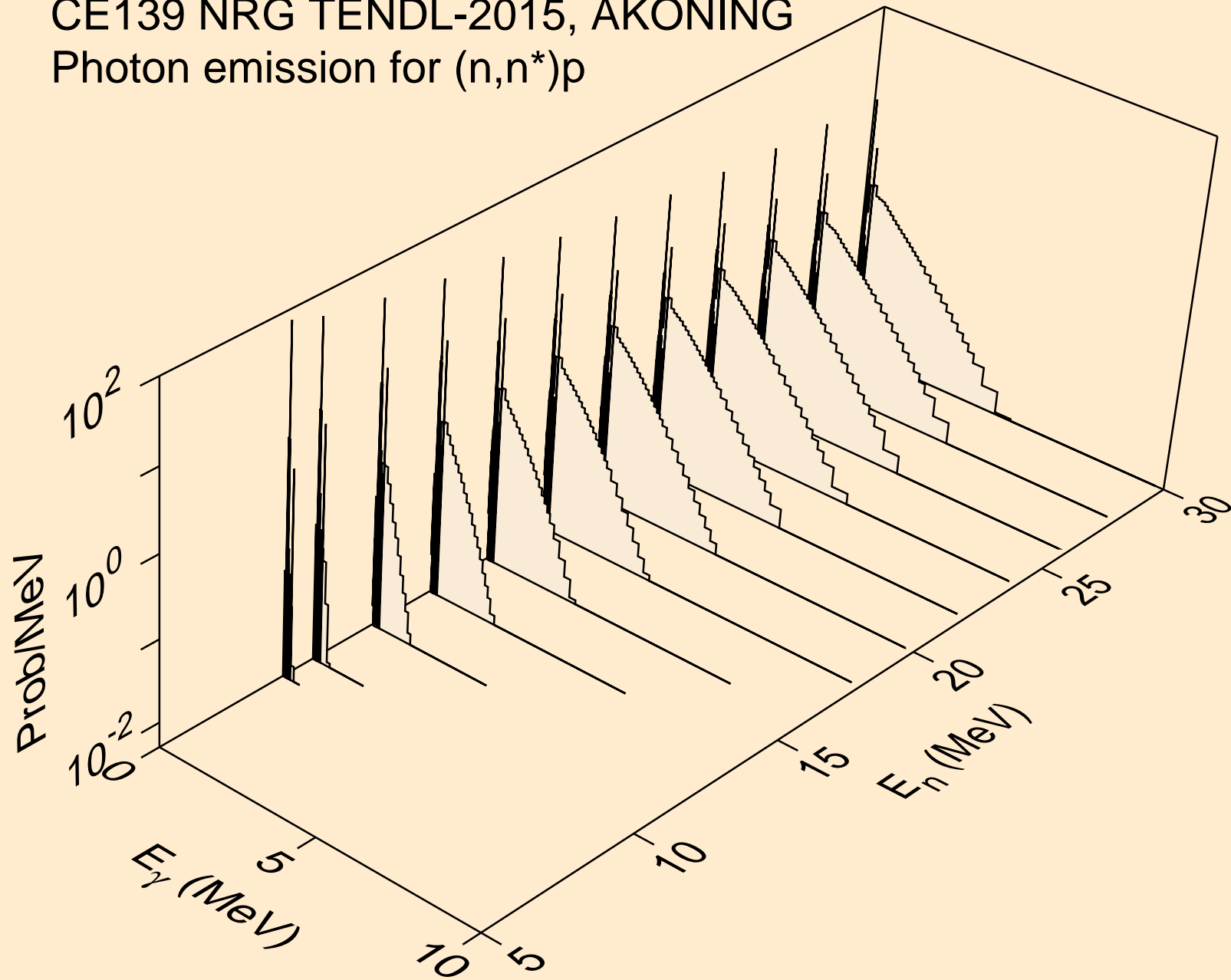


CE139 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a

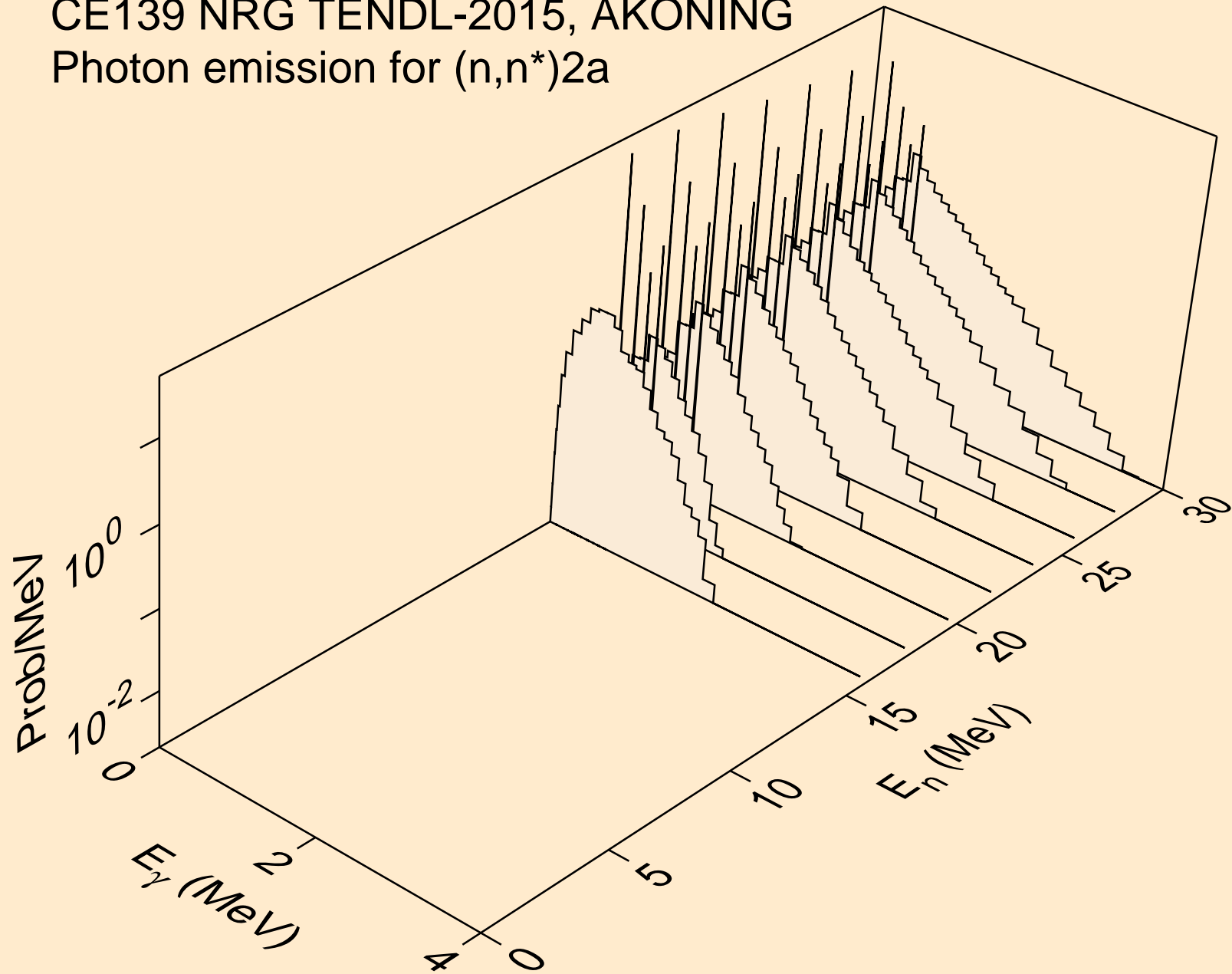


# CE139 NRG TENDL-2015, AKONING

Photon emission for (n,n\*)p

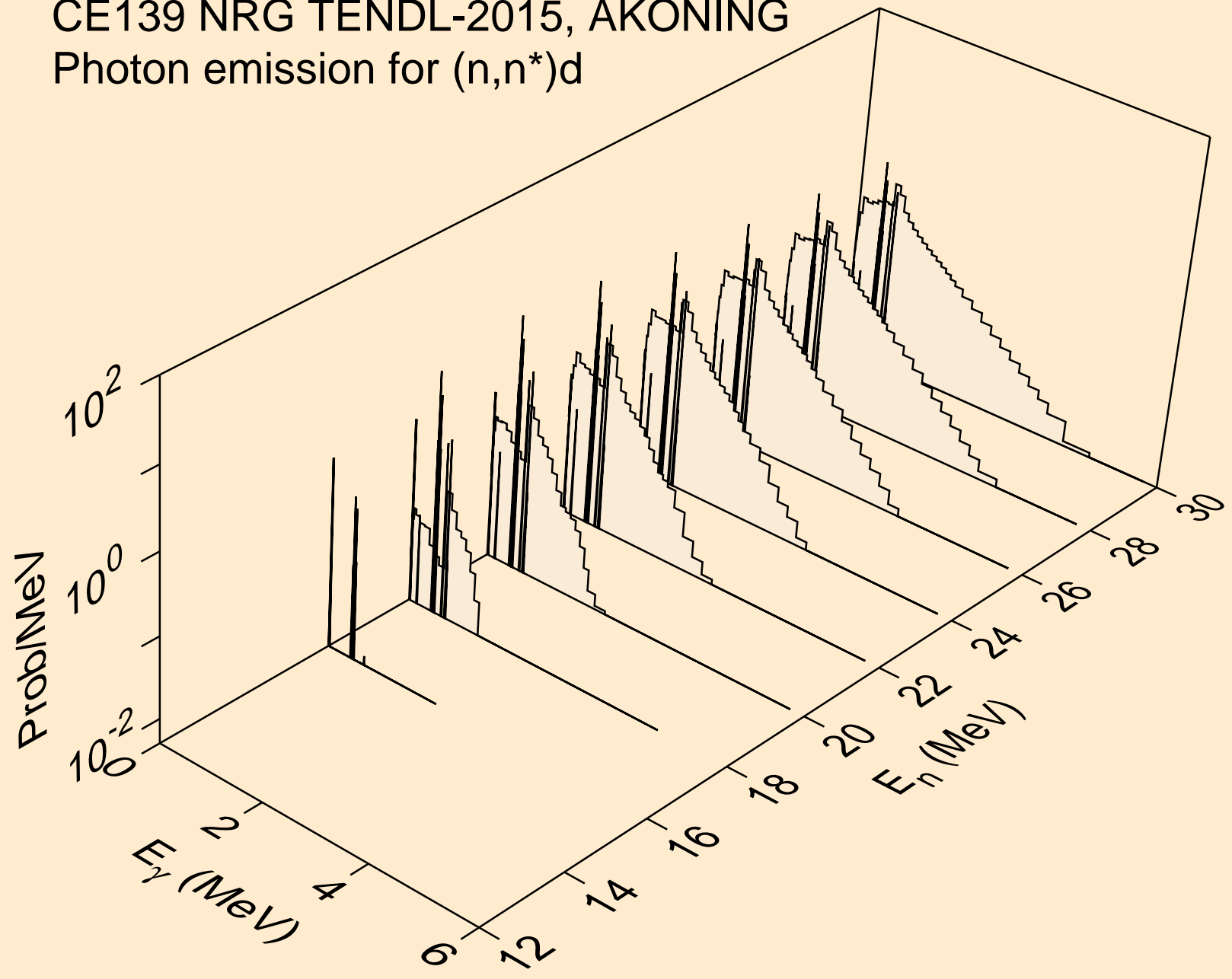


CE139 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a

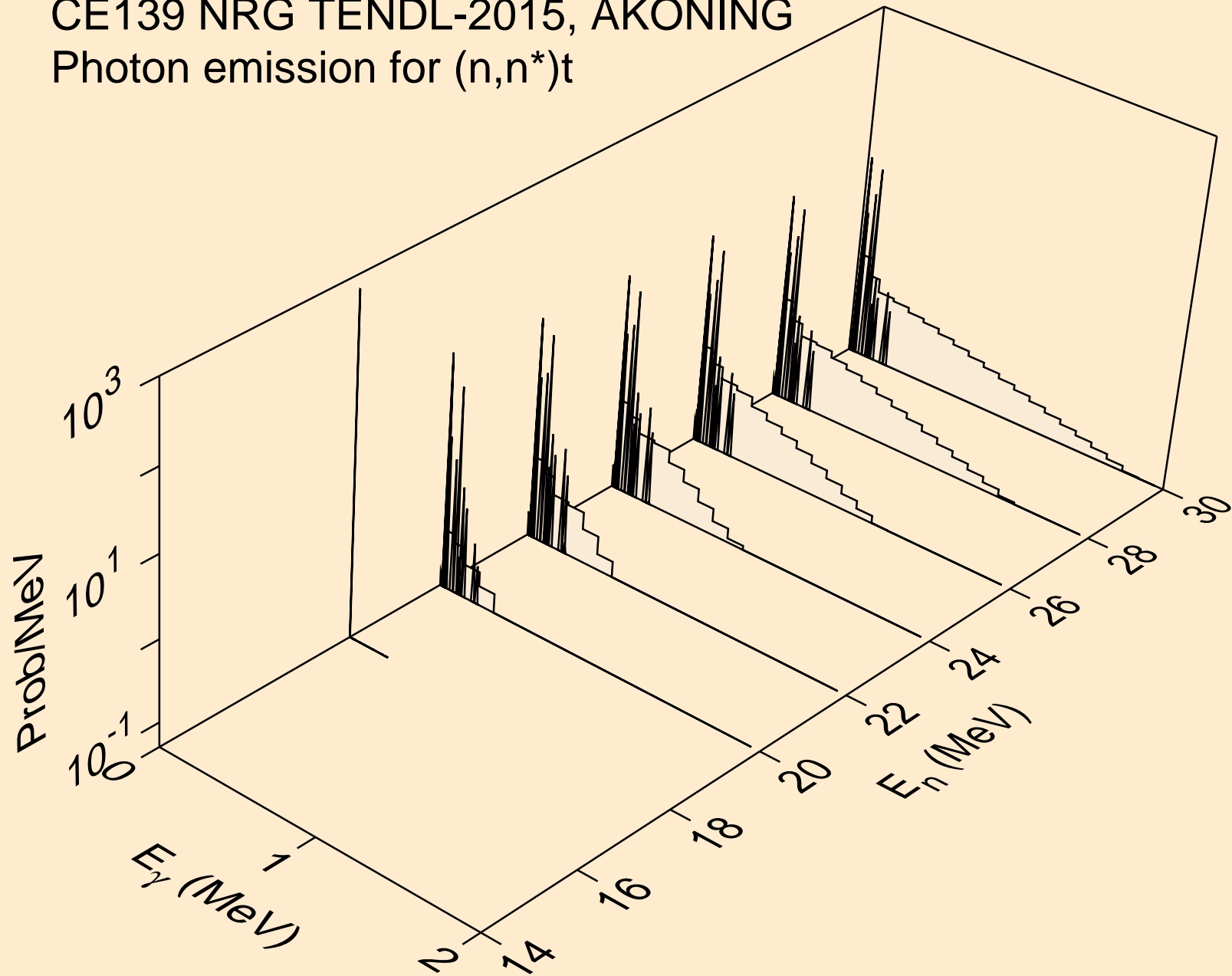


# CE139 NRG TENDL-2015, AKONING

Photon emission for (n,n\*)d

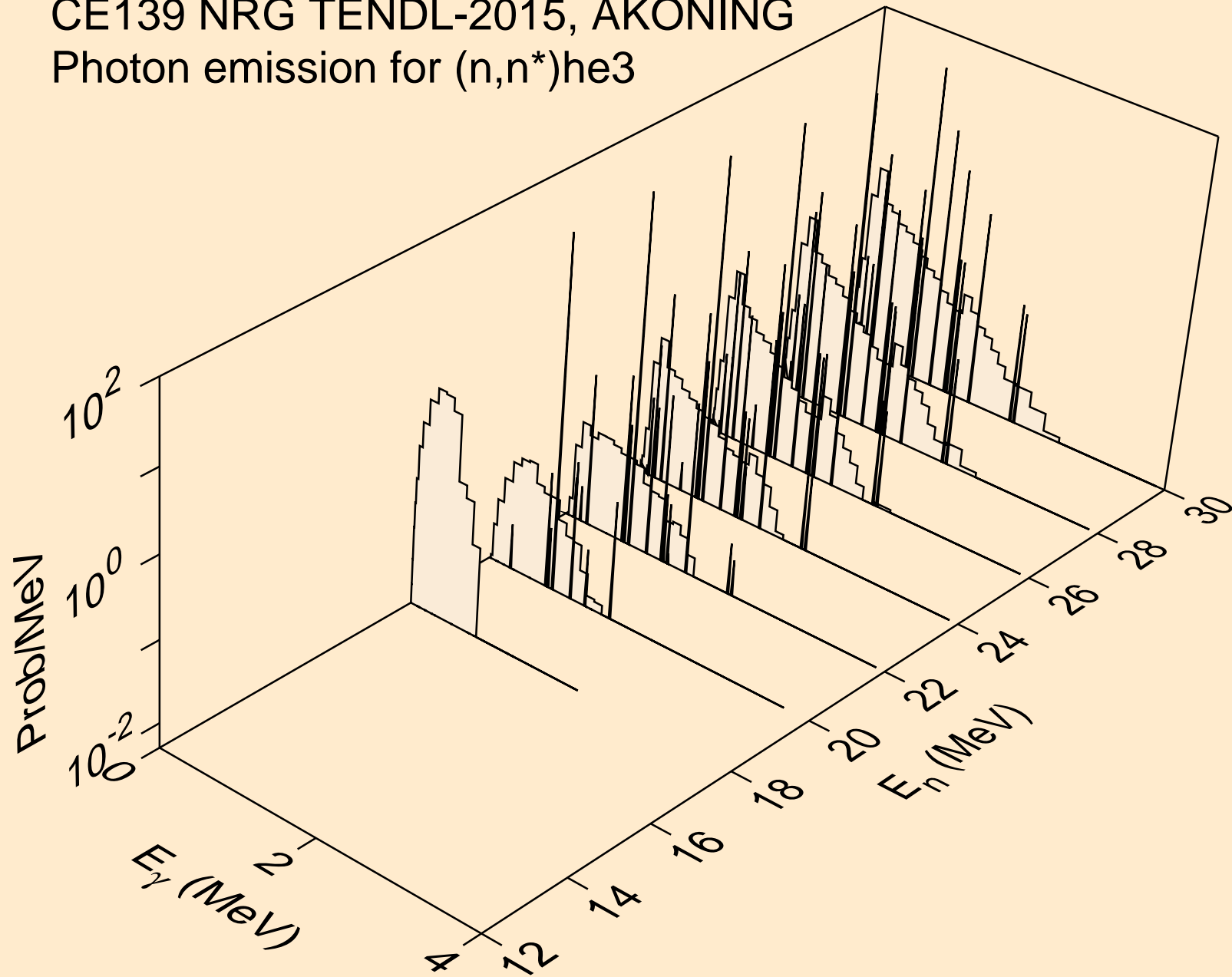


CE139 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t

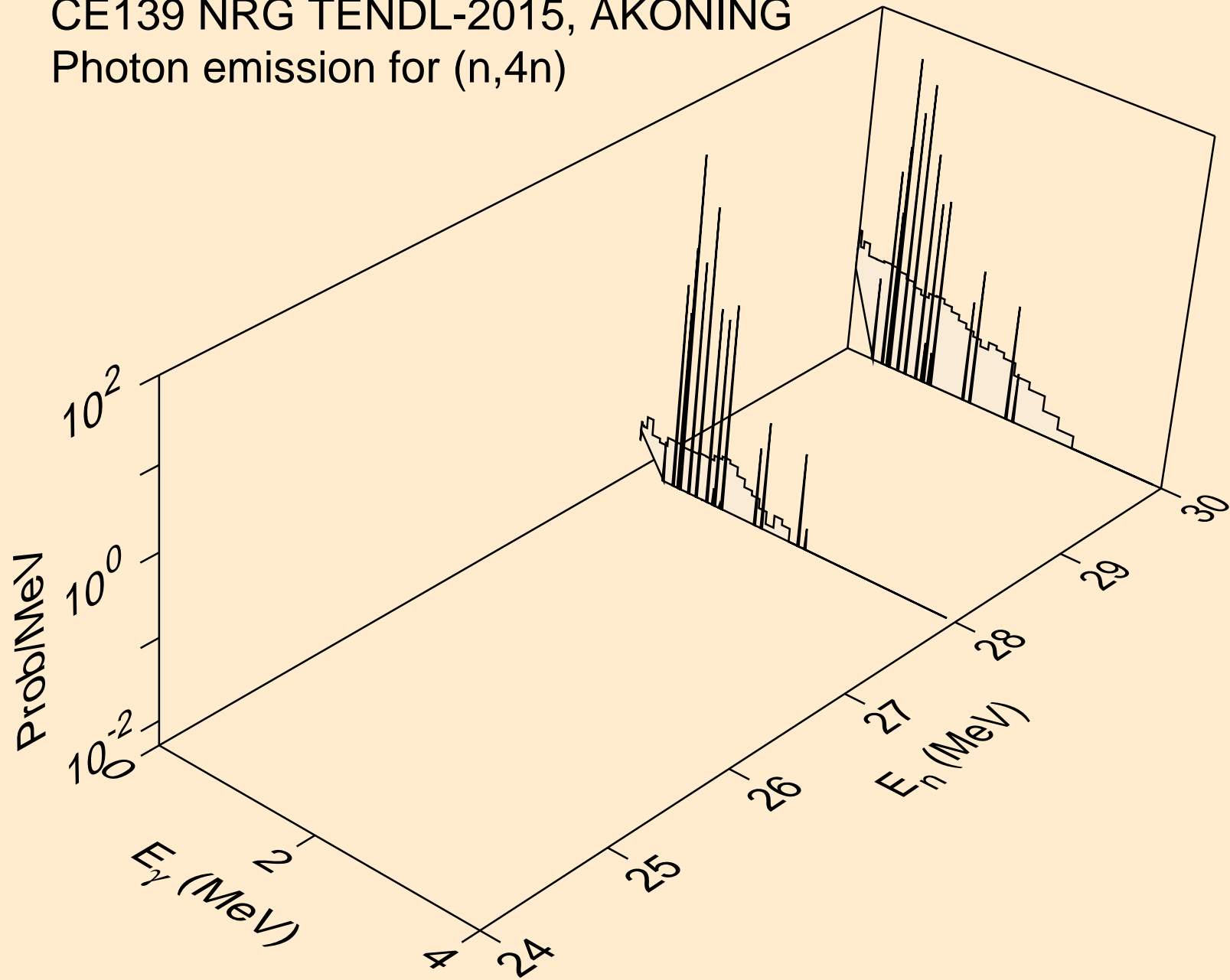


CE139 NRG TENDL-2015, AKONING

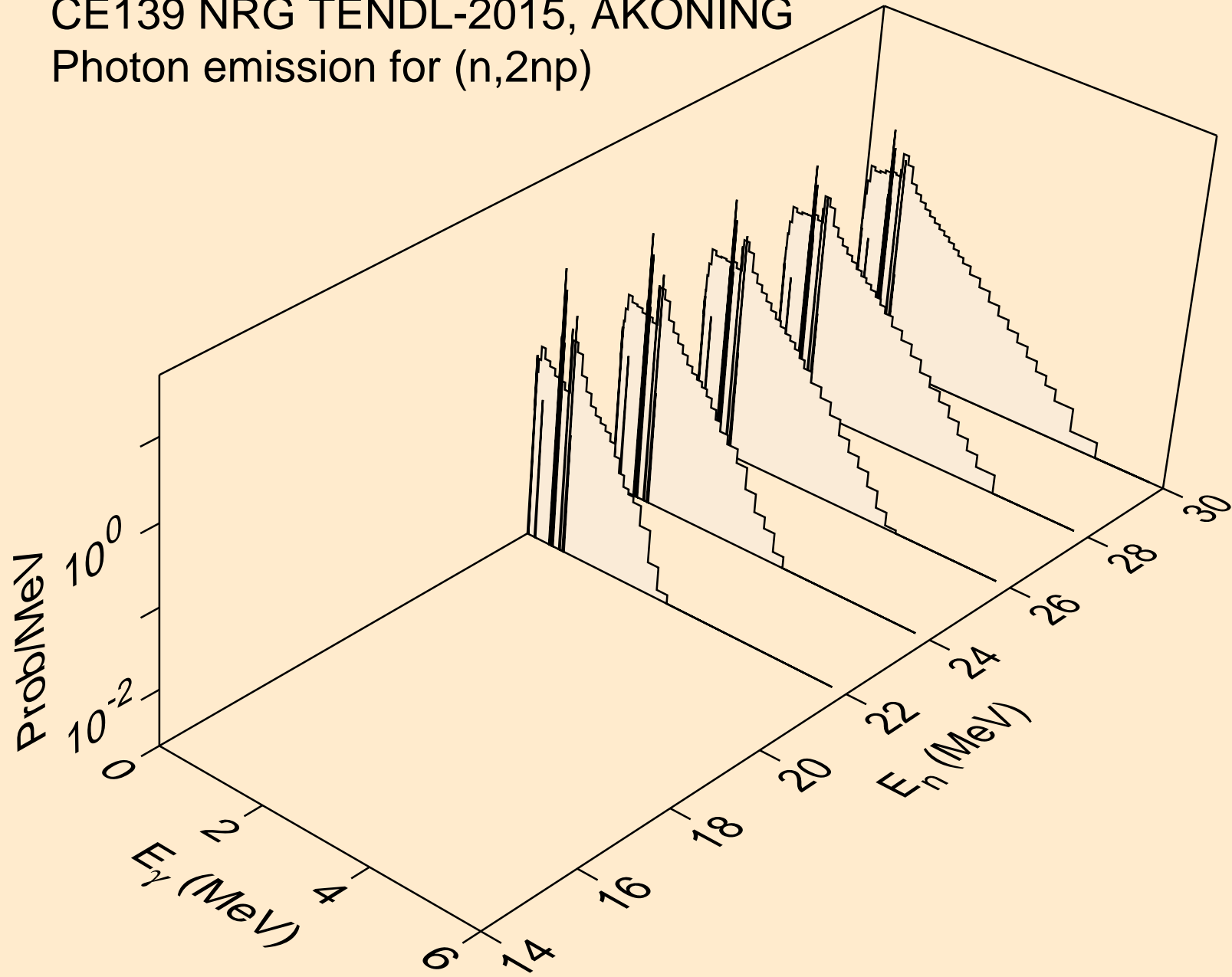
Photon emission for (n,n\*)he3



CE139 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)

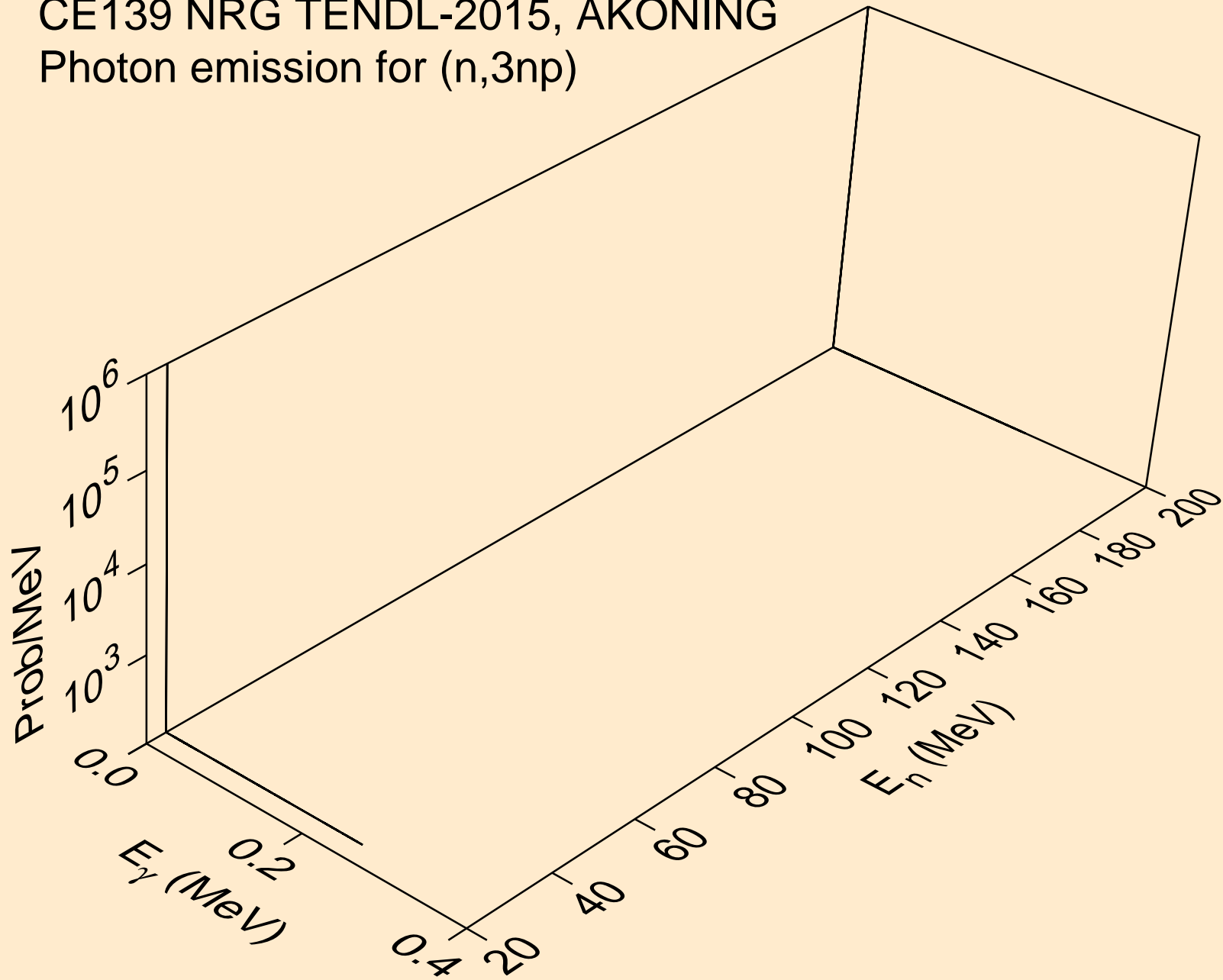


CE139 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)

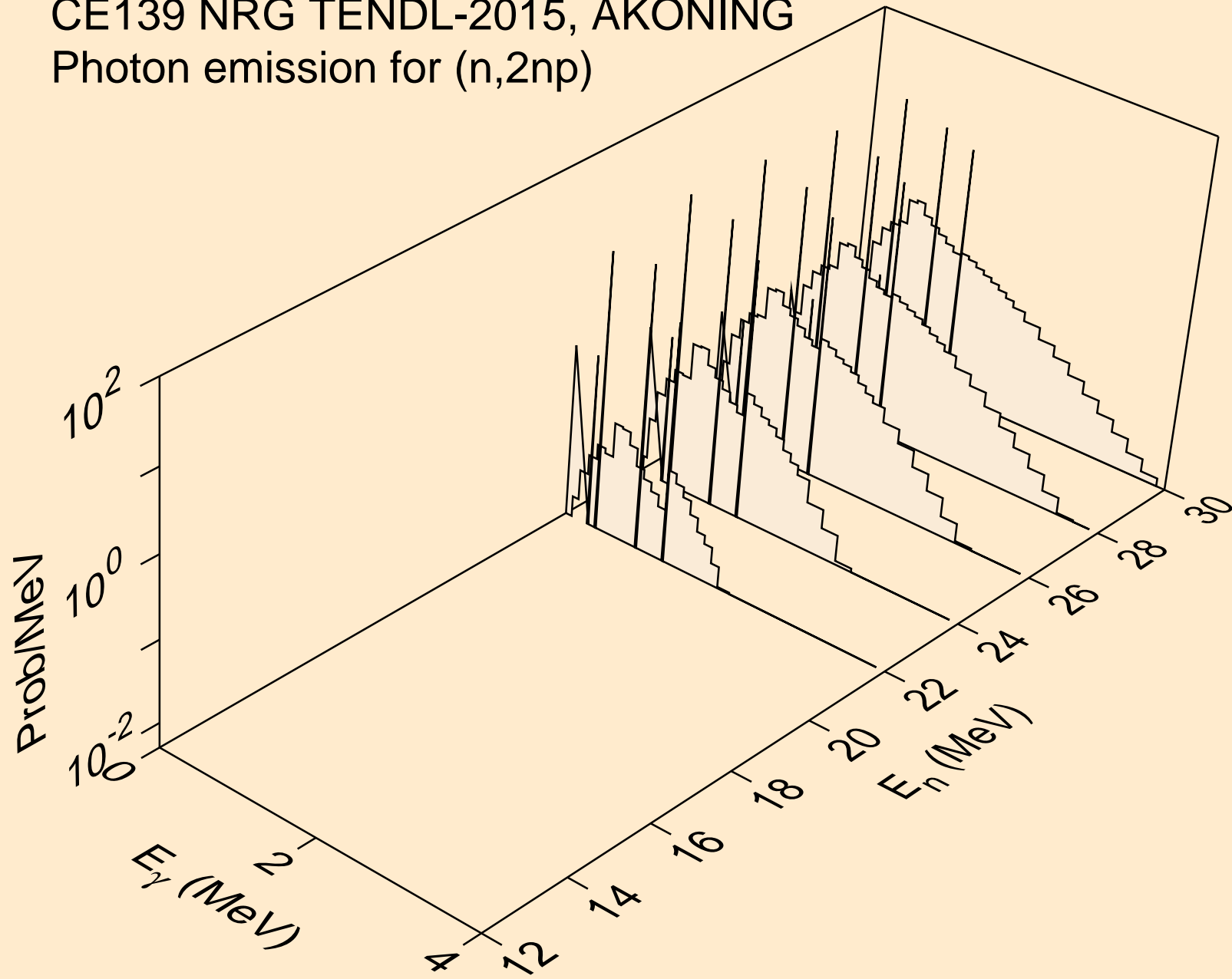




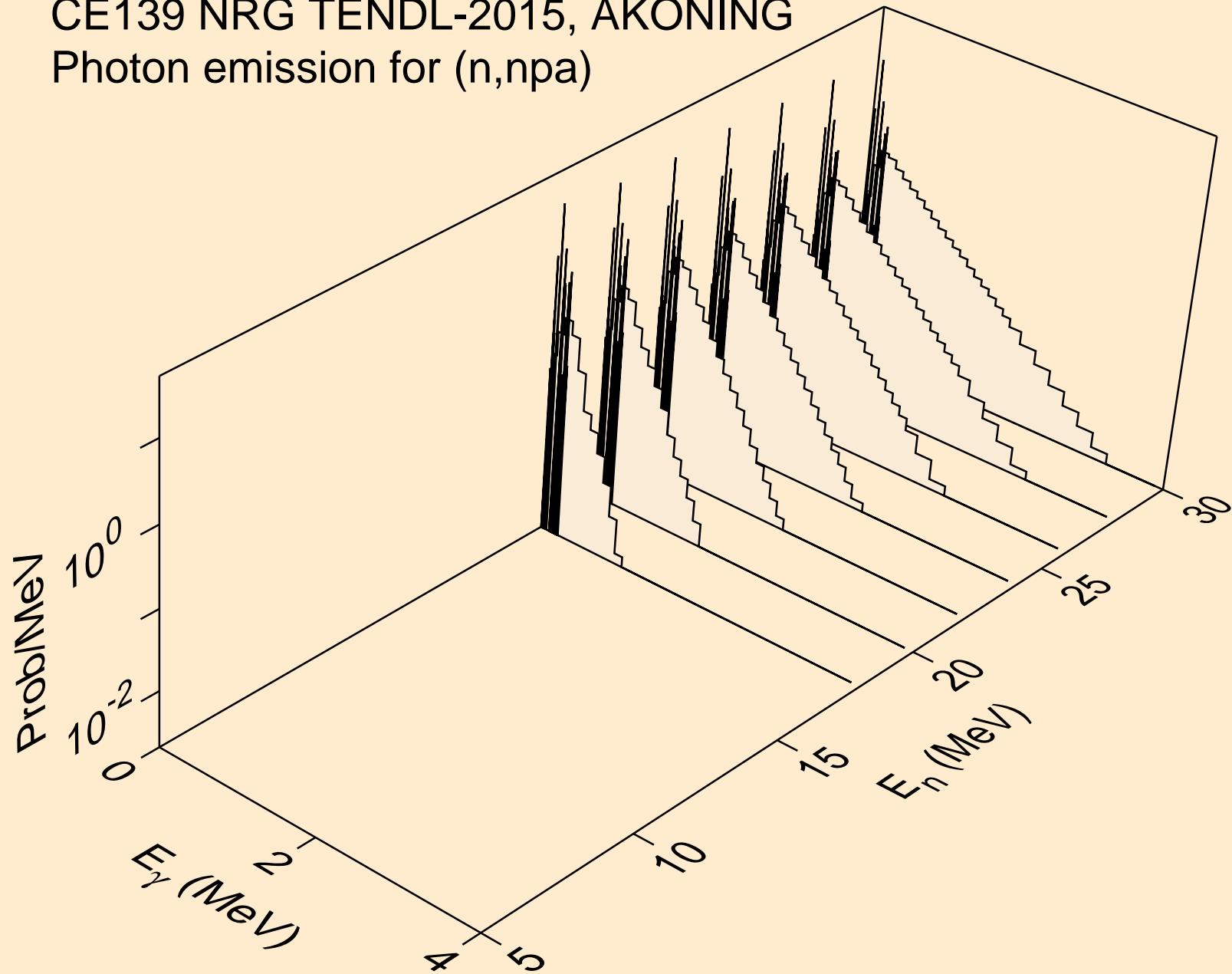
CE139 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



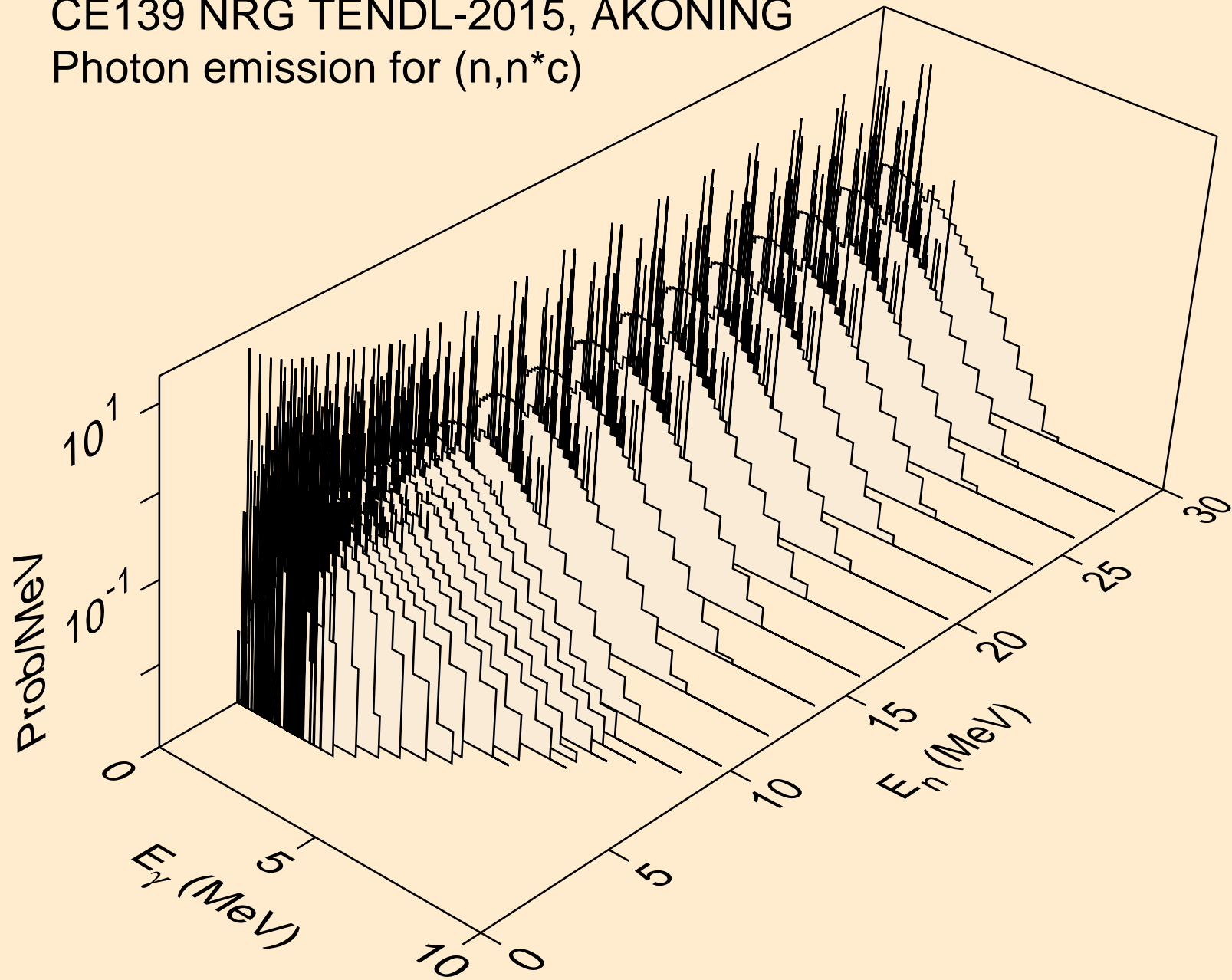
CE139 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



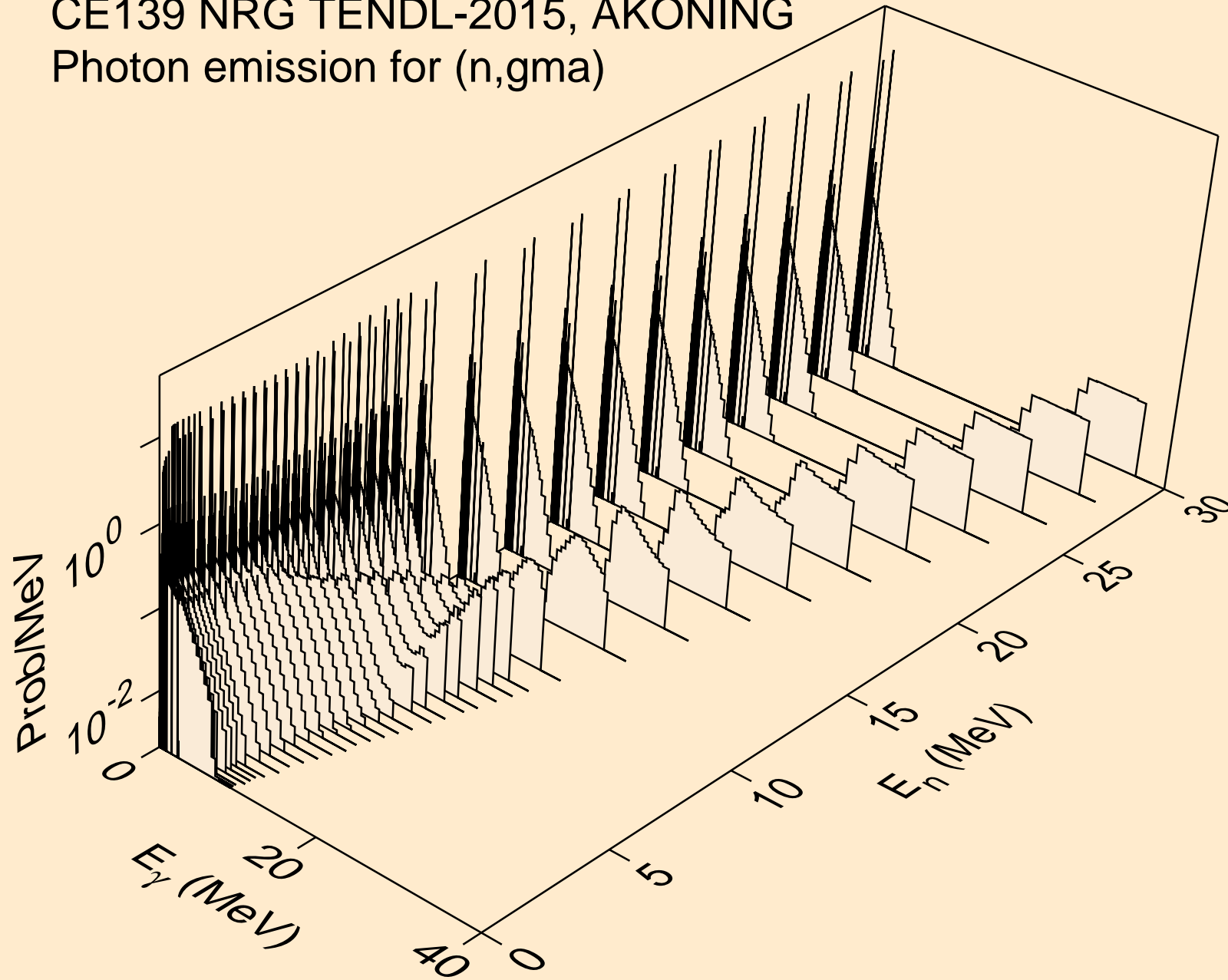
CE139 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



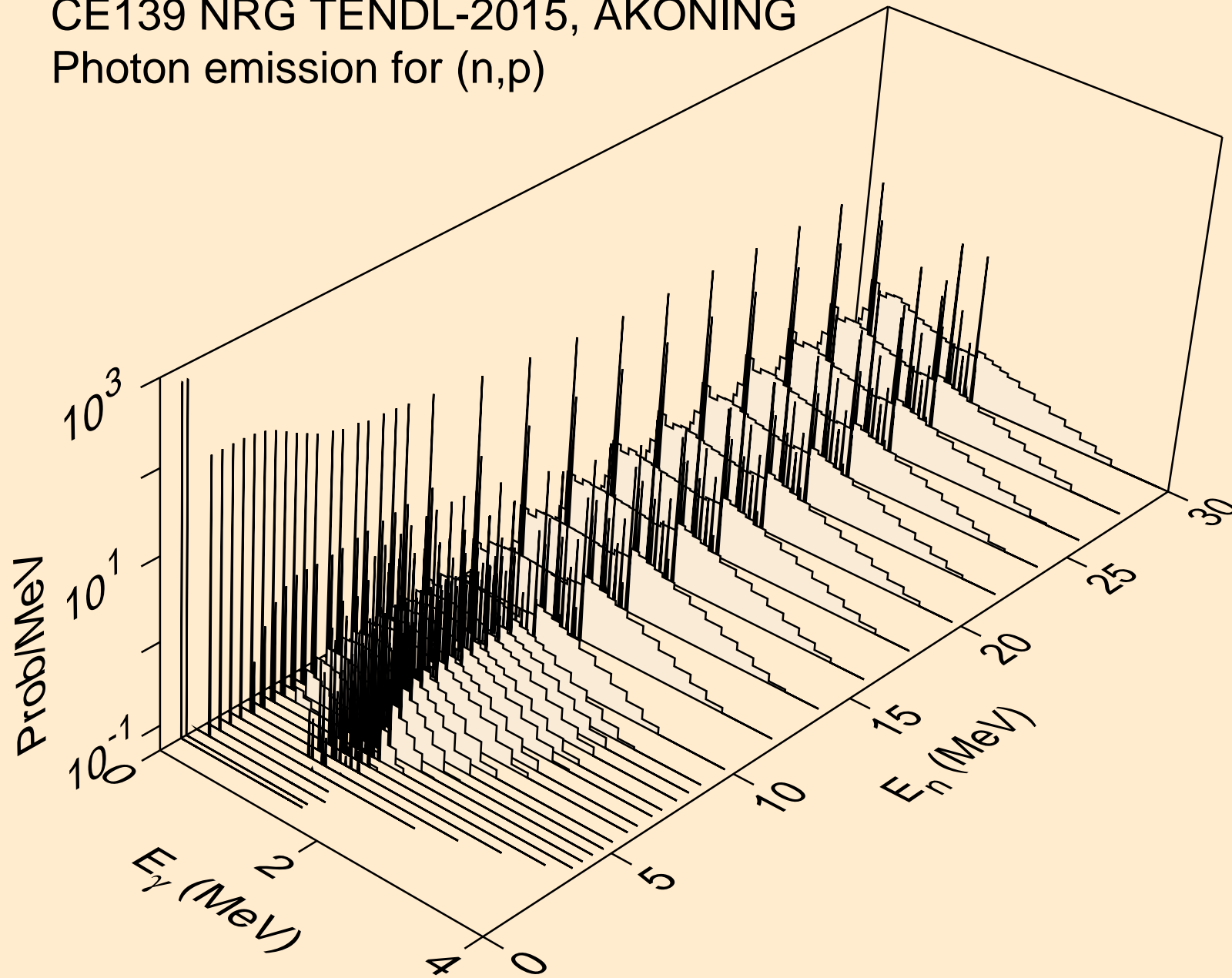
CE139 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



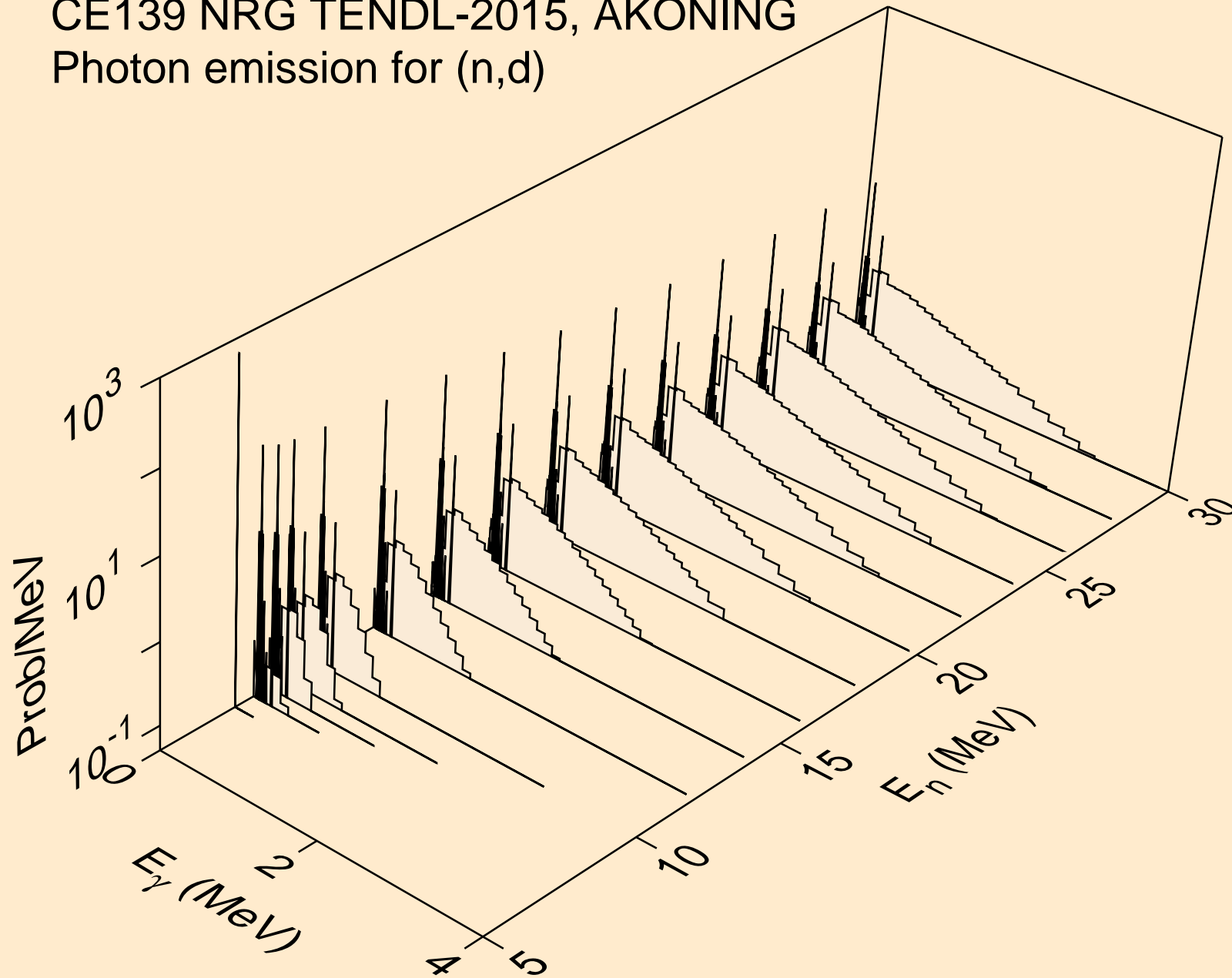
CE139 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



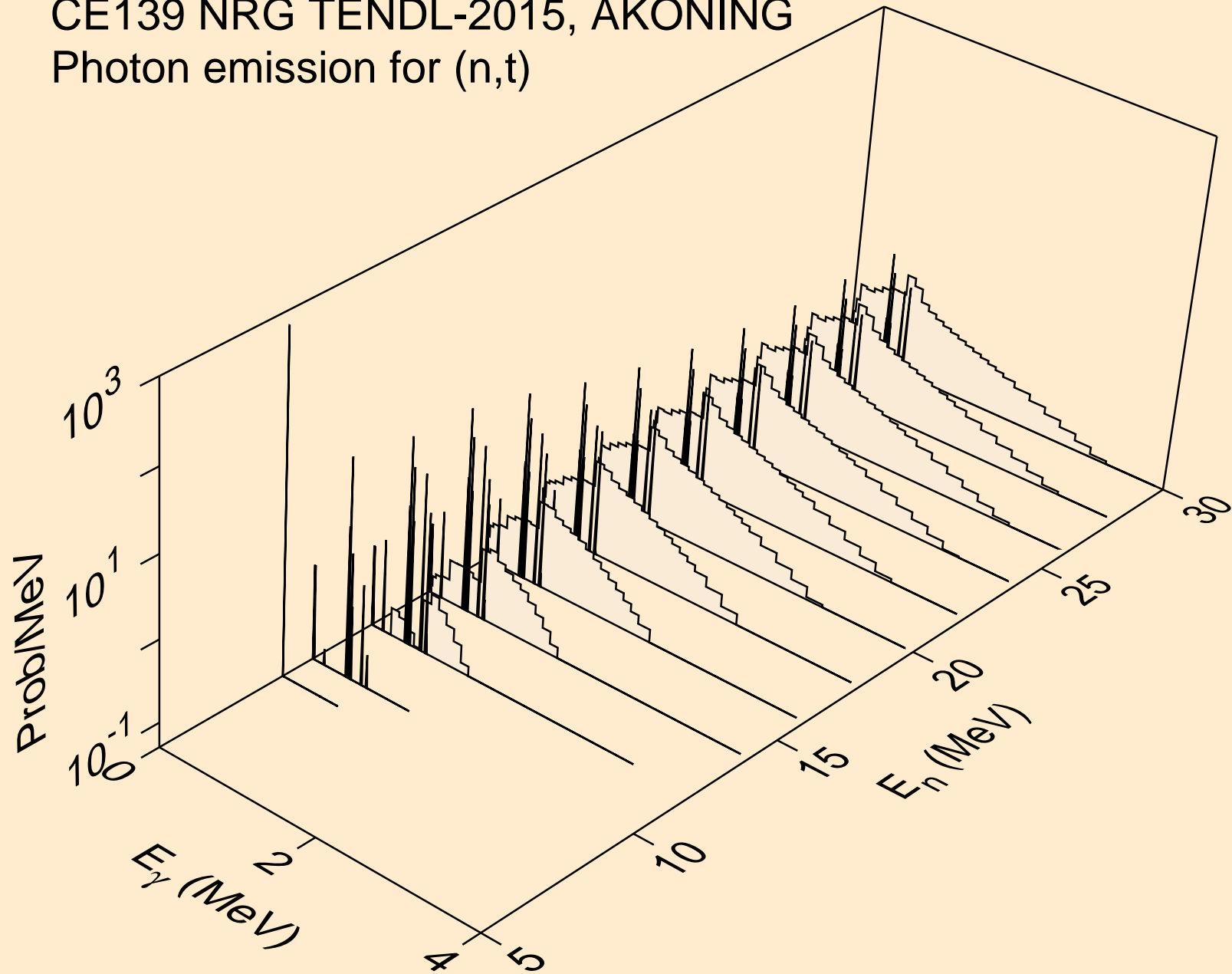
CE139 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



CE139 NRG TENDL-2015, AKONING  
Photon emission for (n,d)

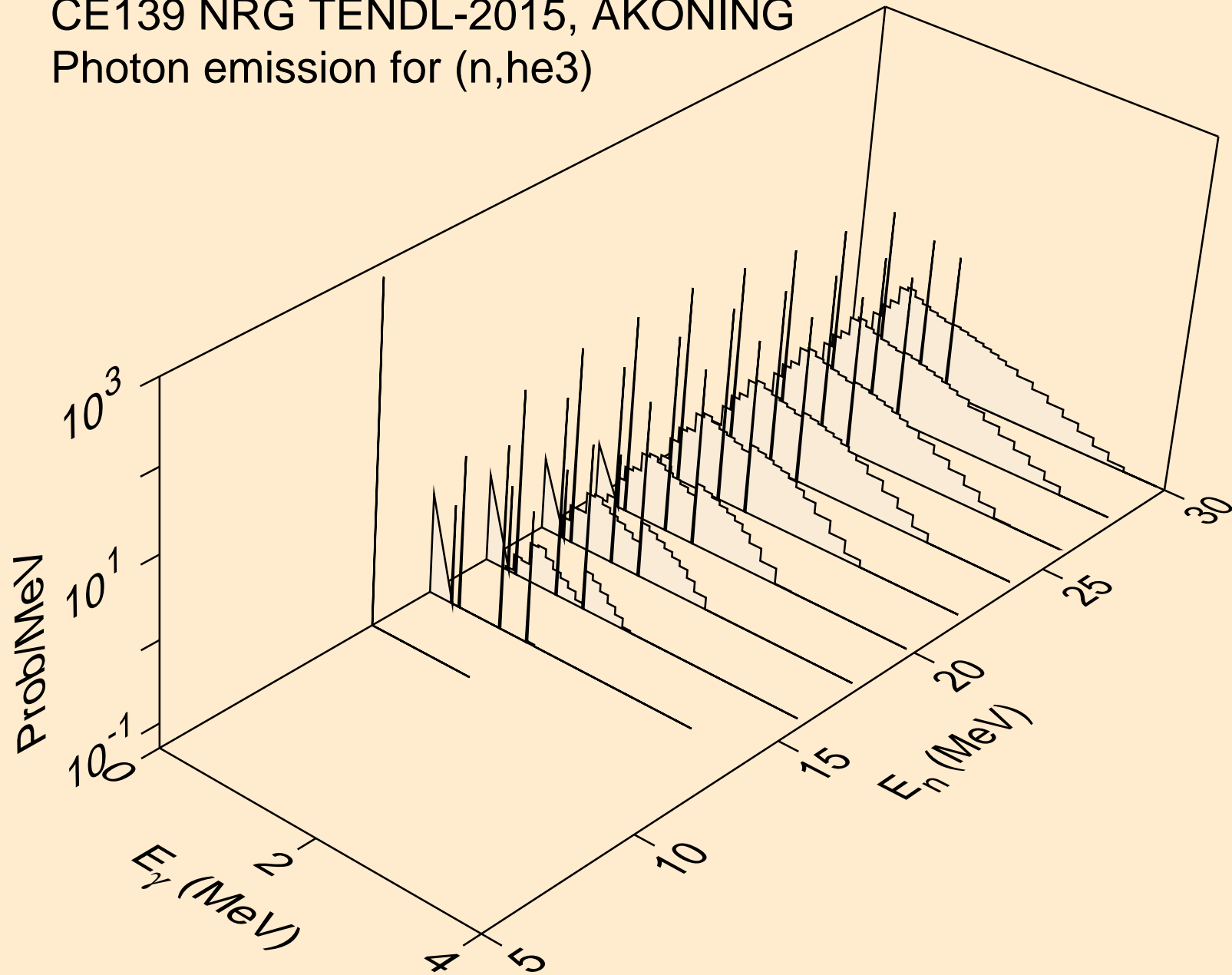


CE139 NRG TENDL-2015, AKONING  
Photon emission for (n,t)

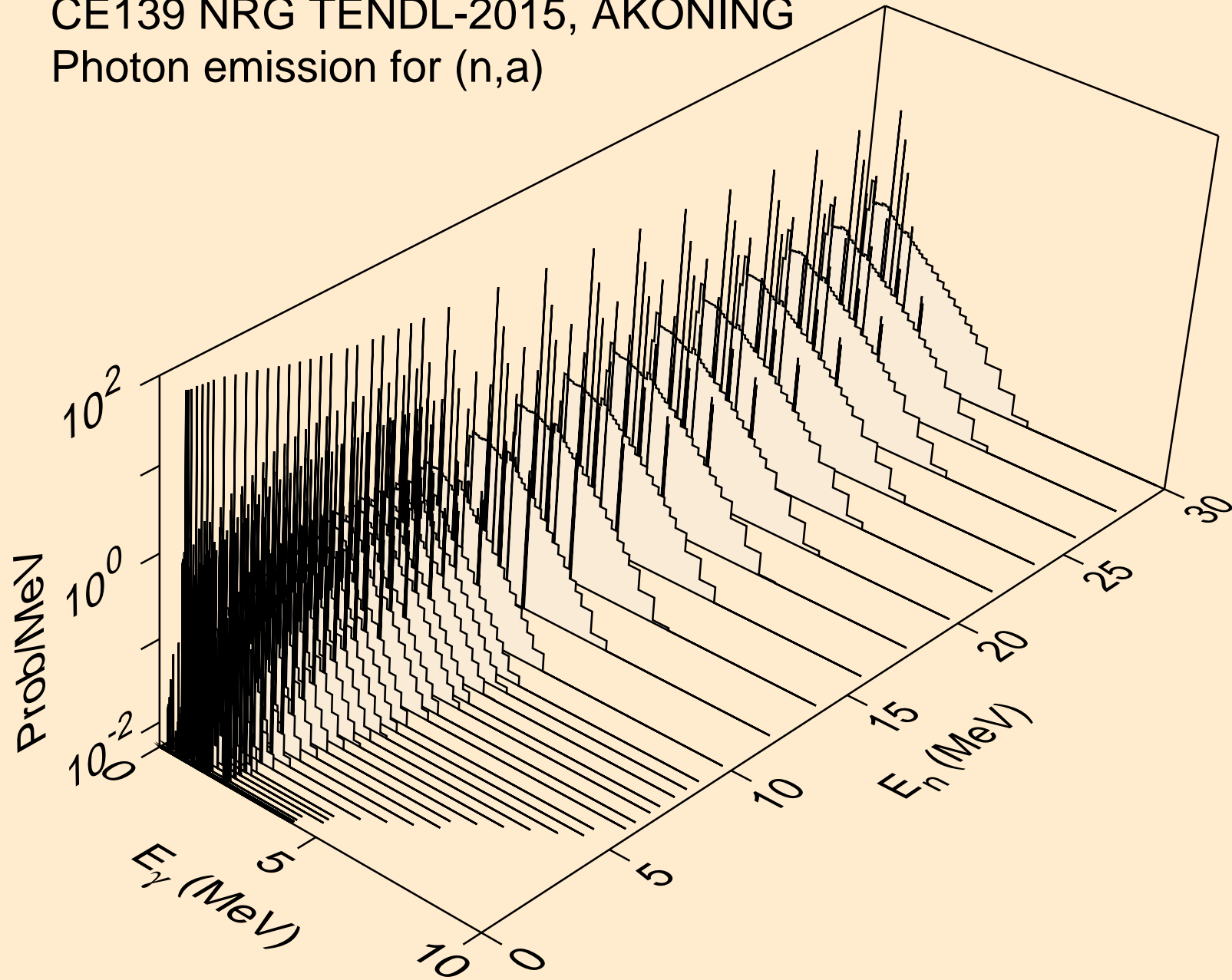




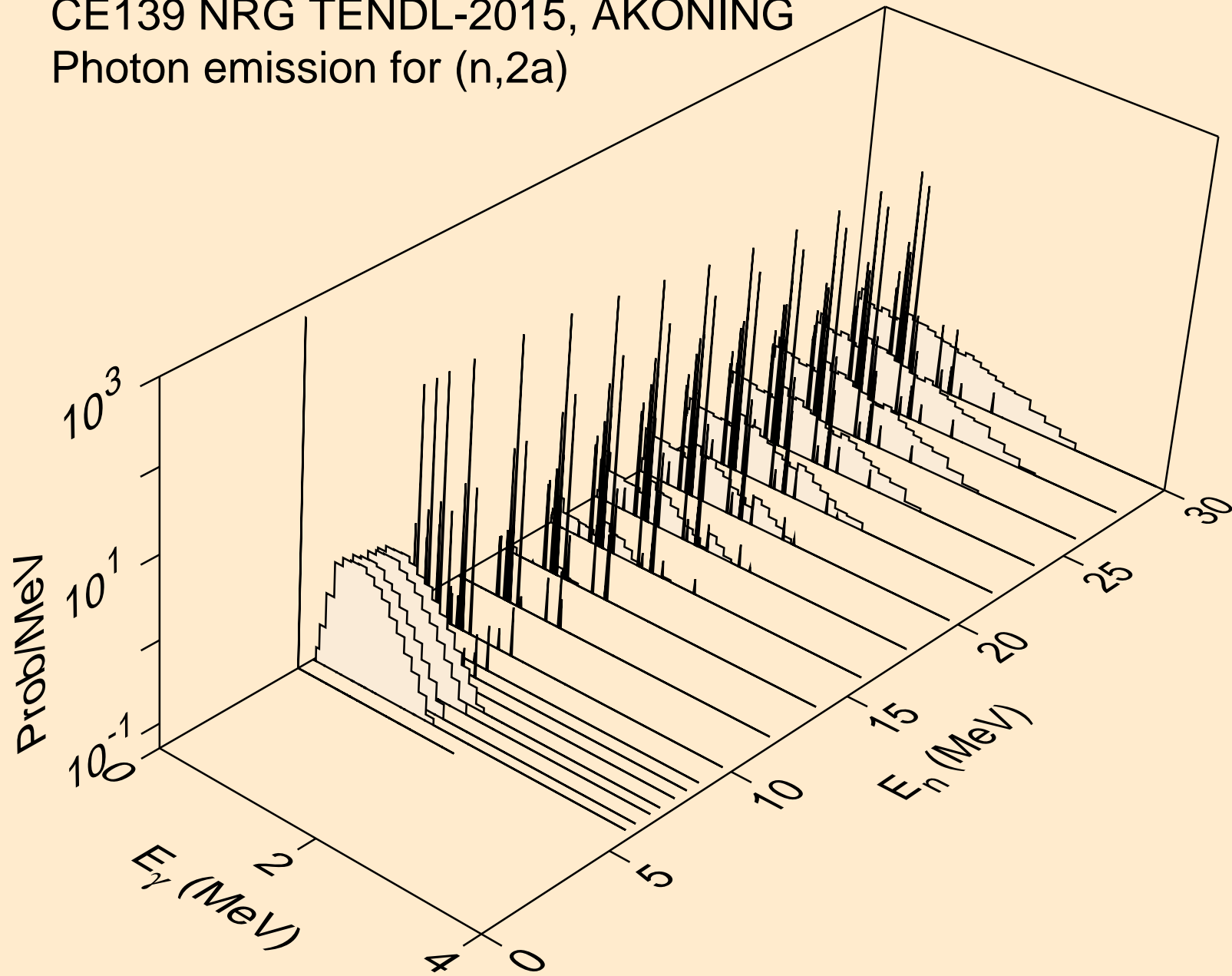
CE139 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



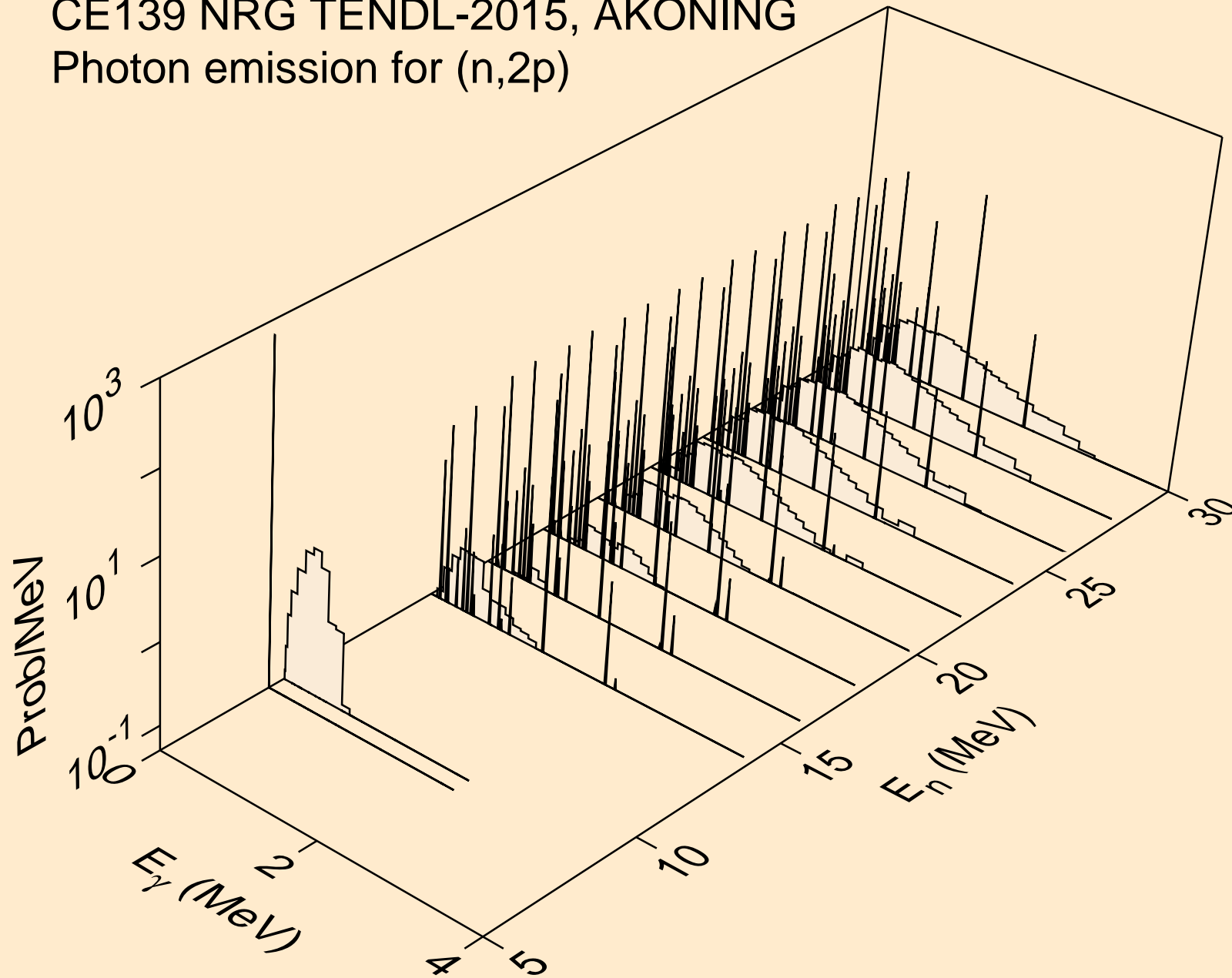
CE139 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



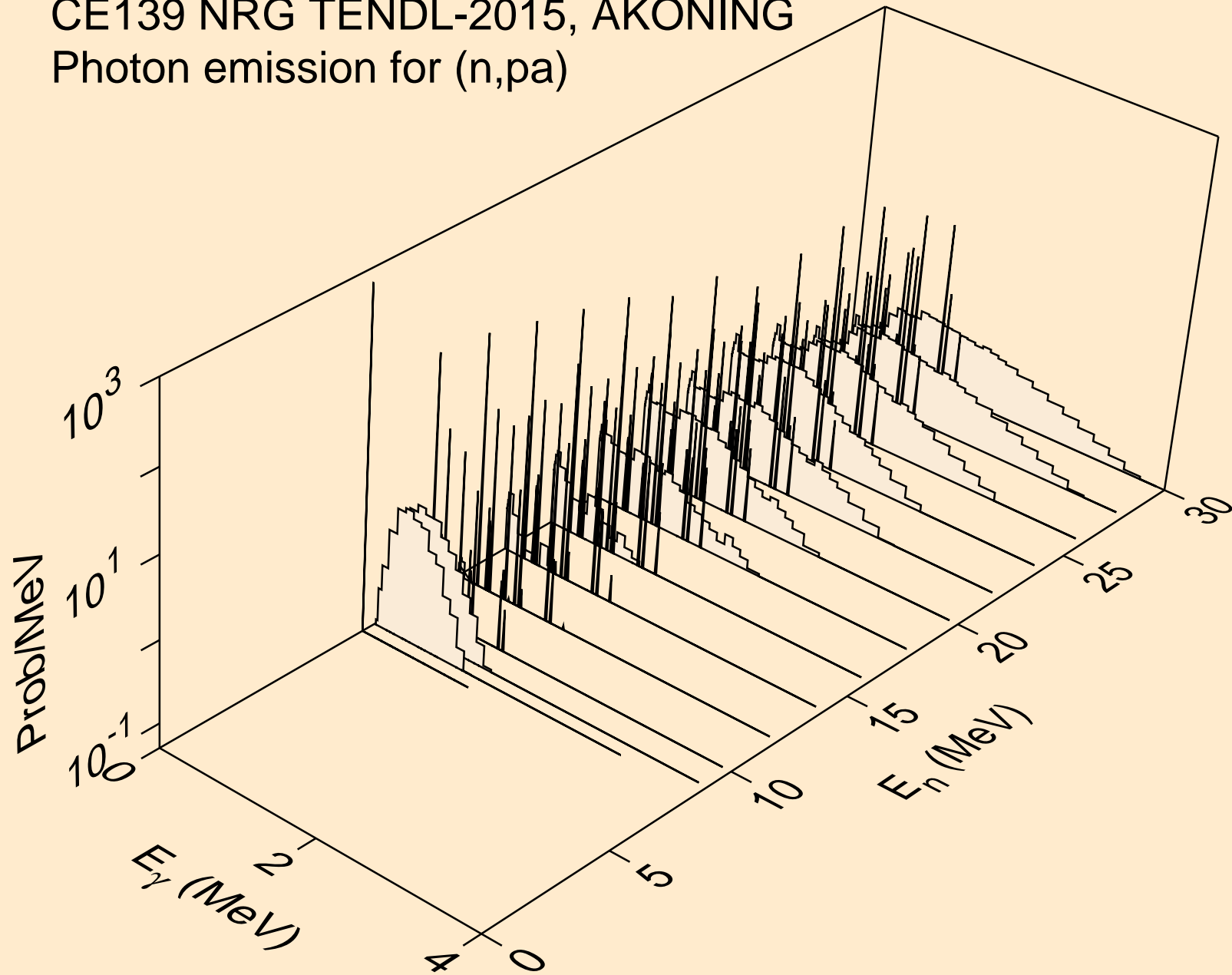
CE139 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



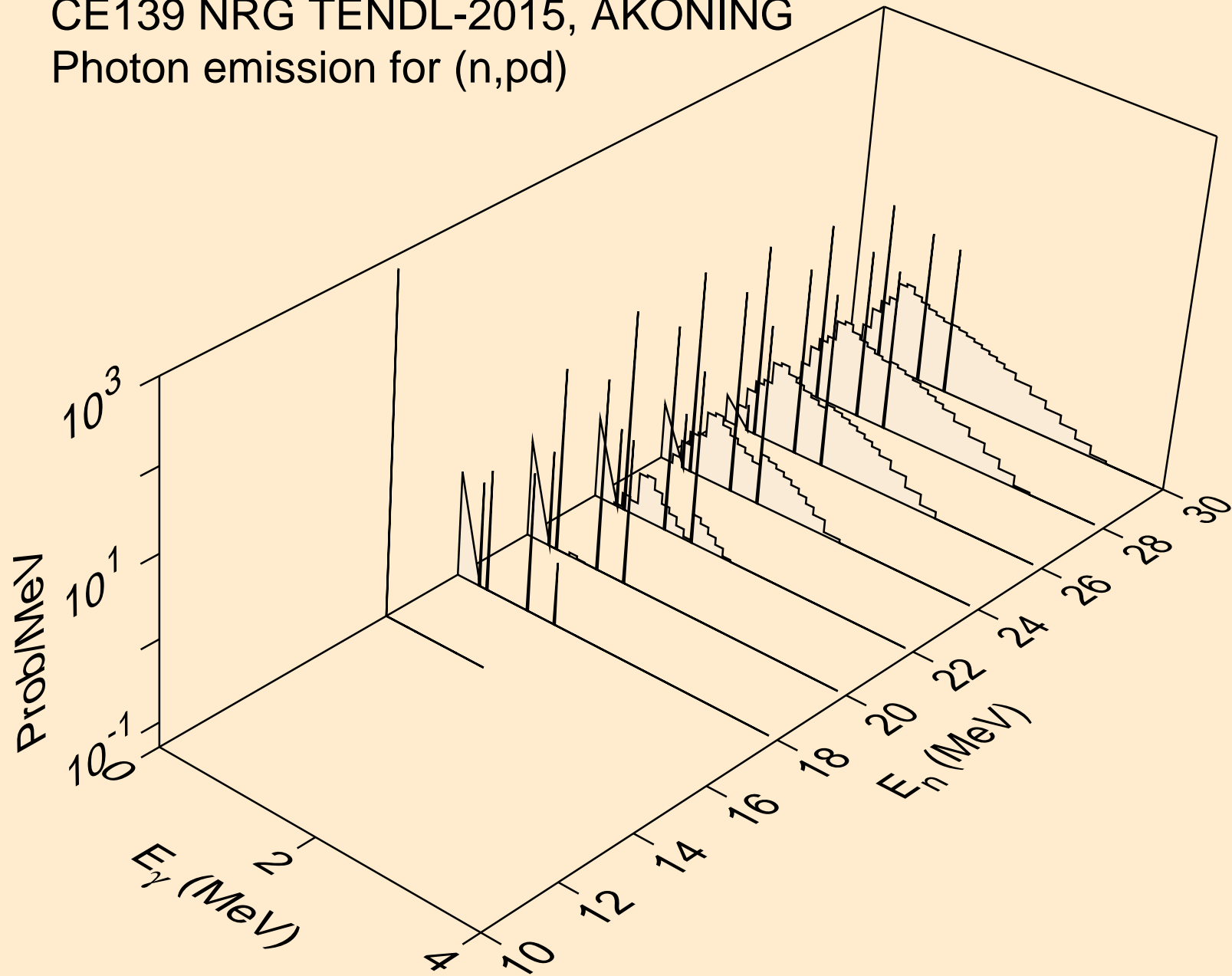
CE139 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



CE139 NRG TENDL-2015, AKONING  
Photon emission for (n,p)

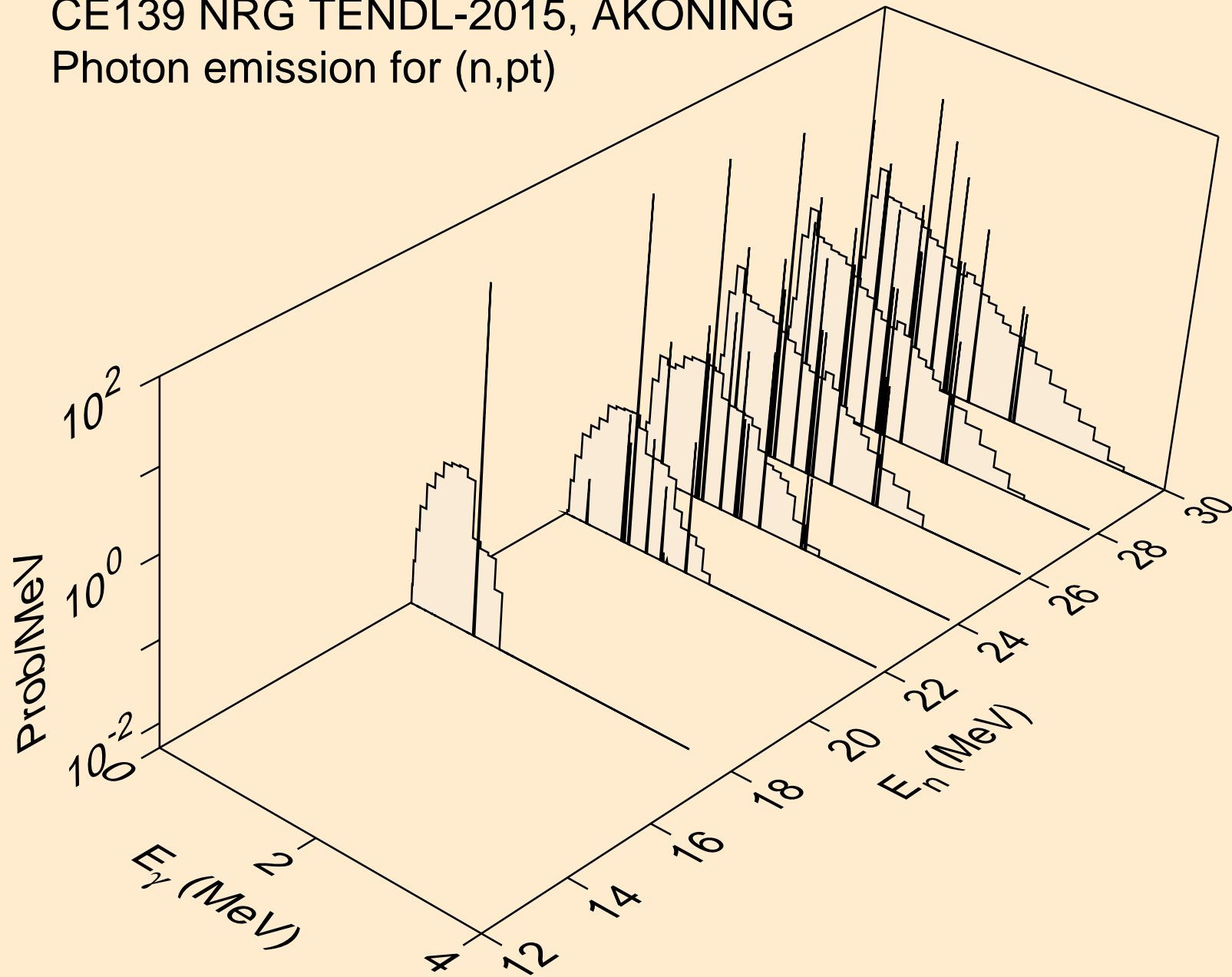


CE139 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)

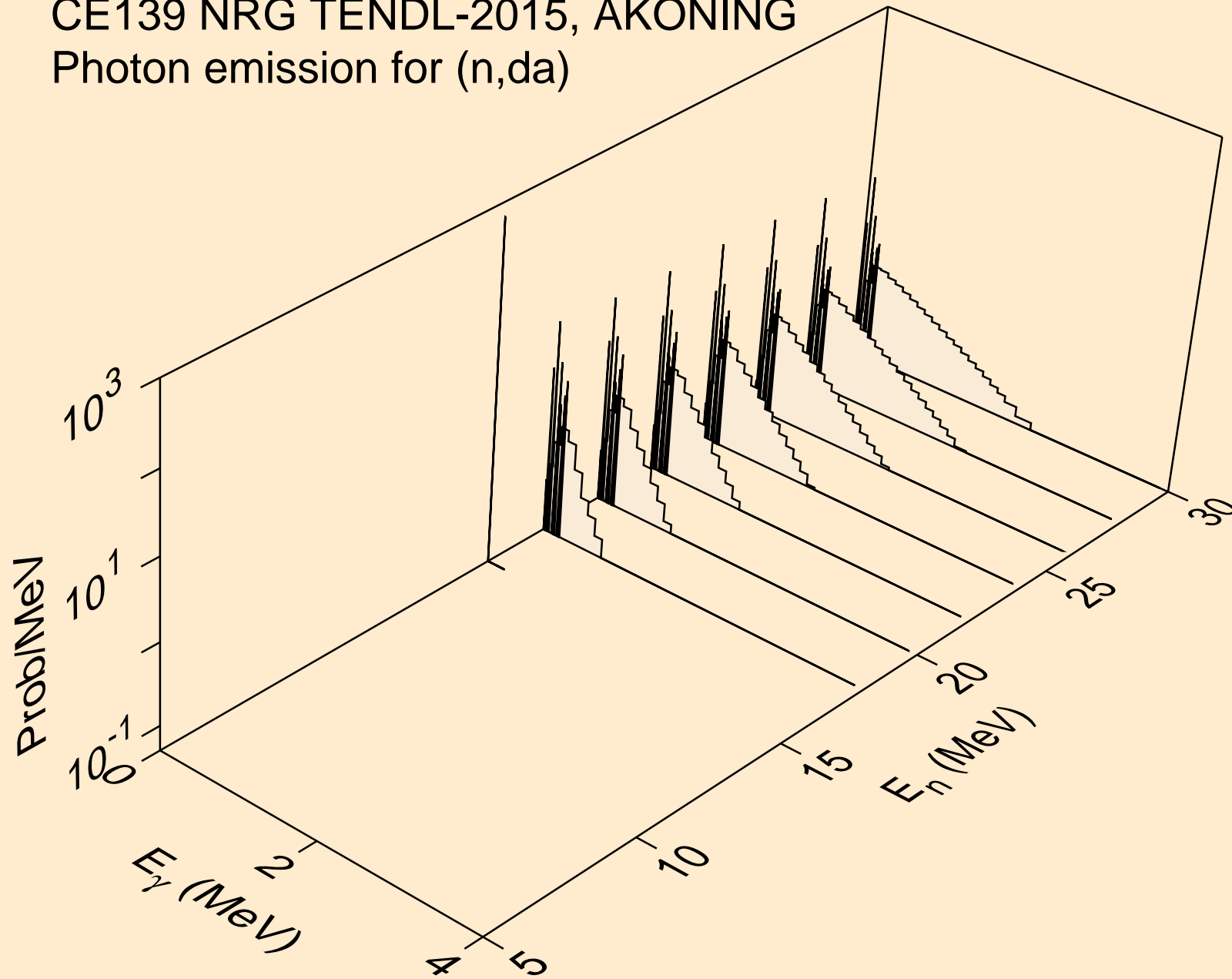


# CE139 NRG TENDL-2015, AKONING

Photon emission for (n,pt)

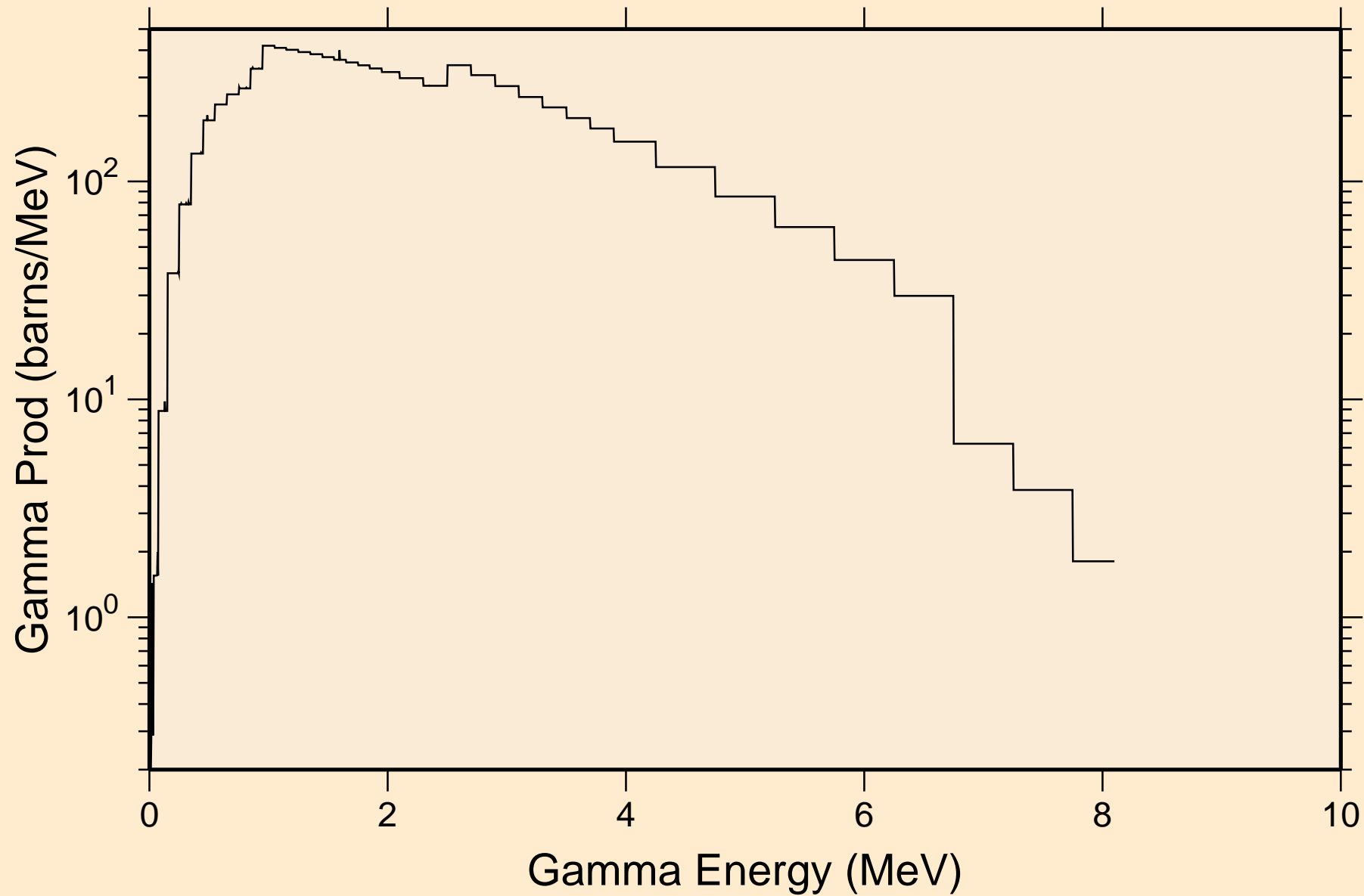


CE139 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



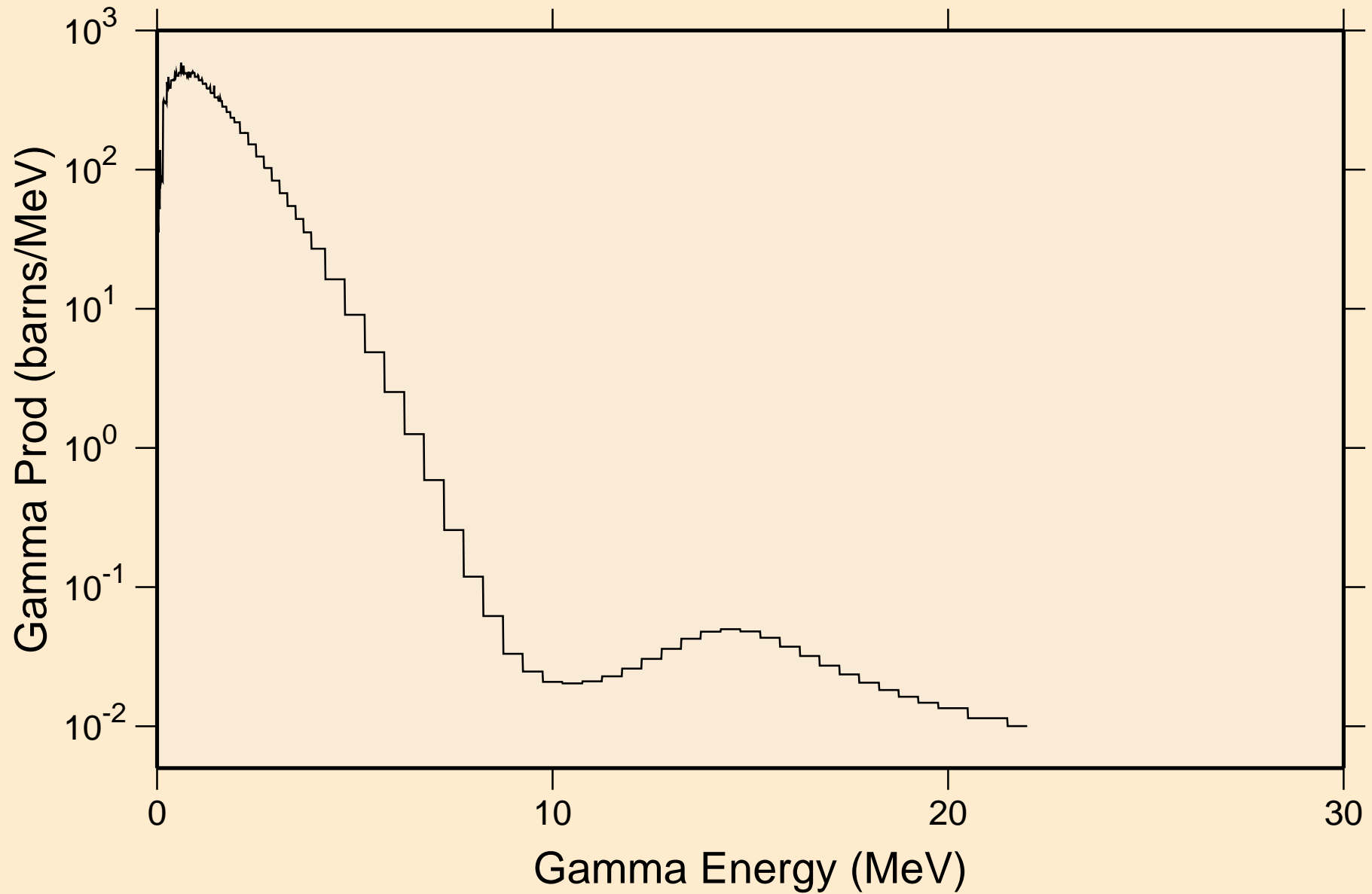


CE139 NRG TENDL-2015, AKONING  
thermal capture photon spectrum



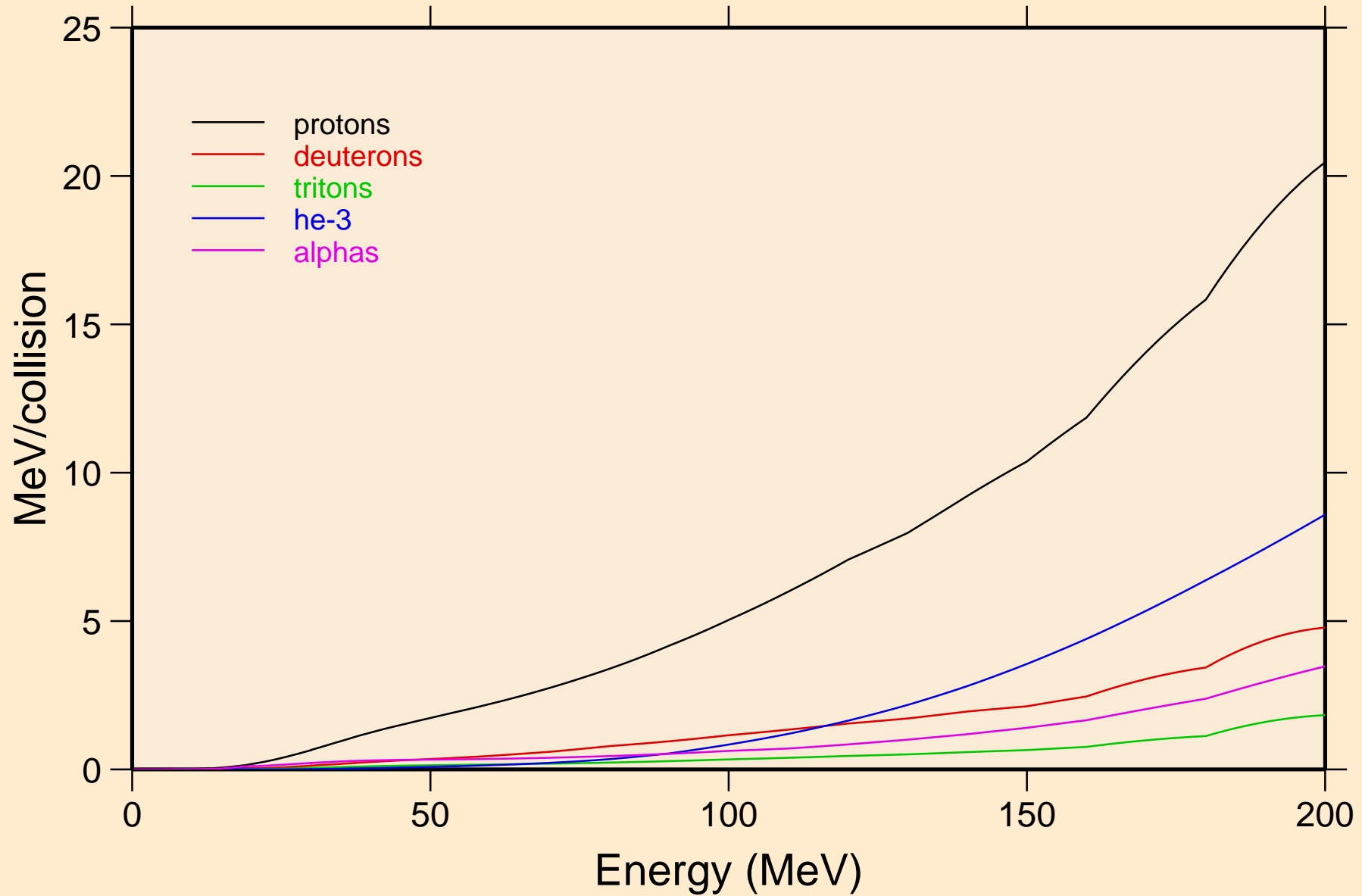
# CE139 NRG TENDL-2015, AKONING

## 14 MeV photon spectrum



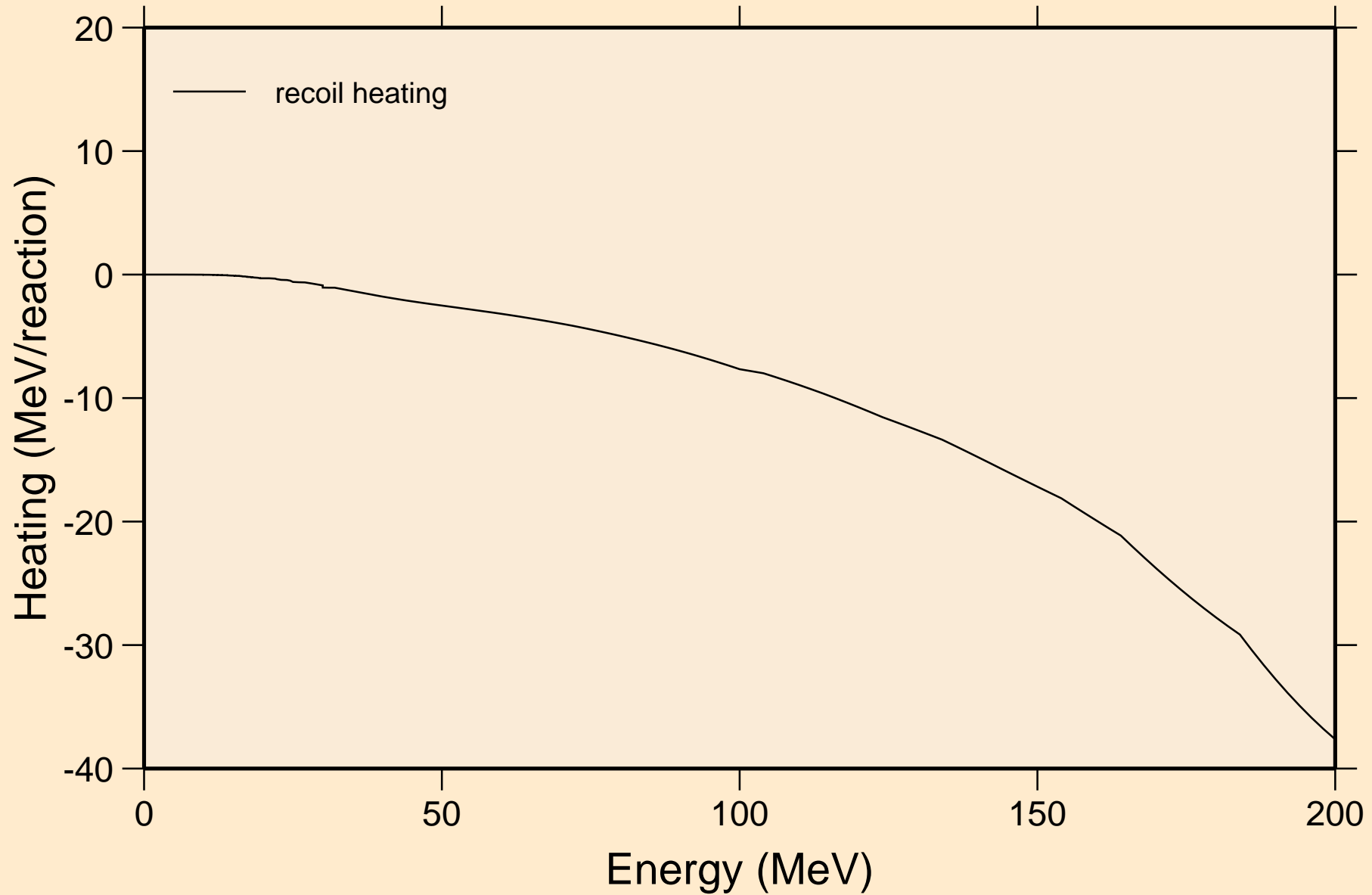
# CE139 NRG TENDL-2015, AKONING

## Particle heating contributions



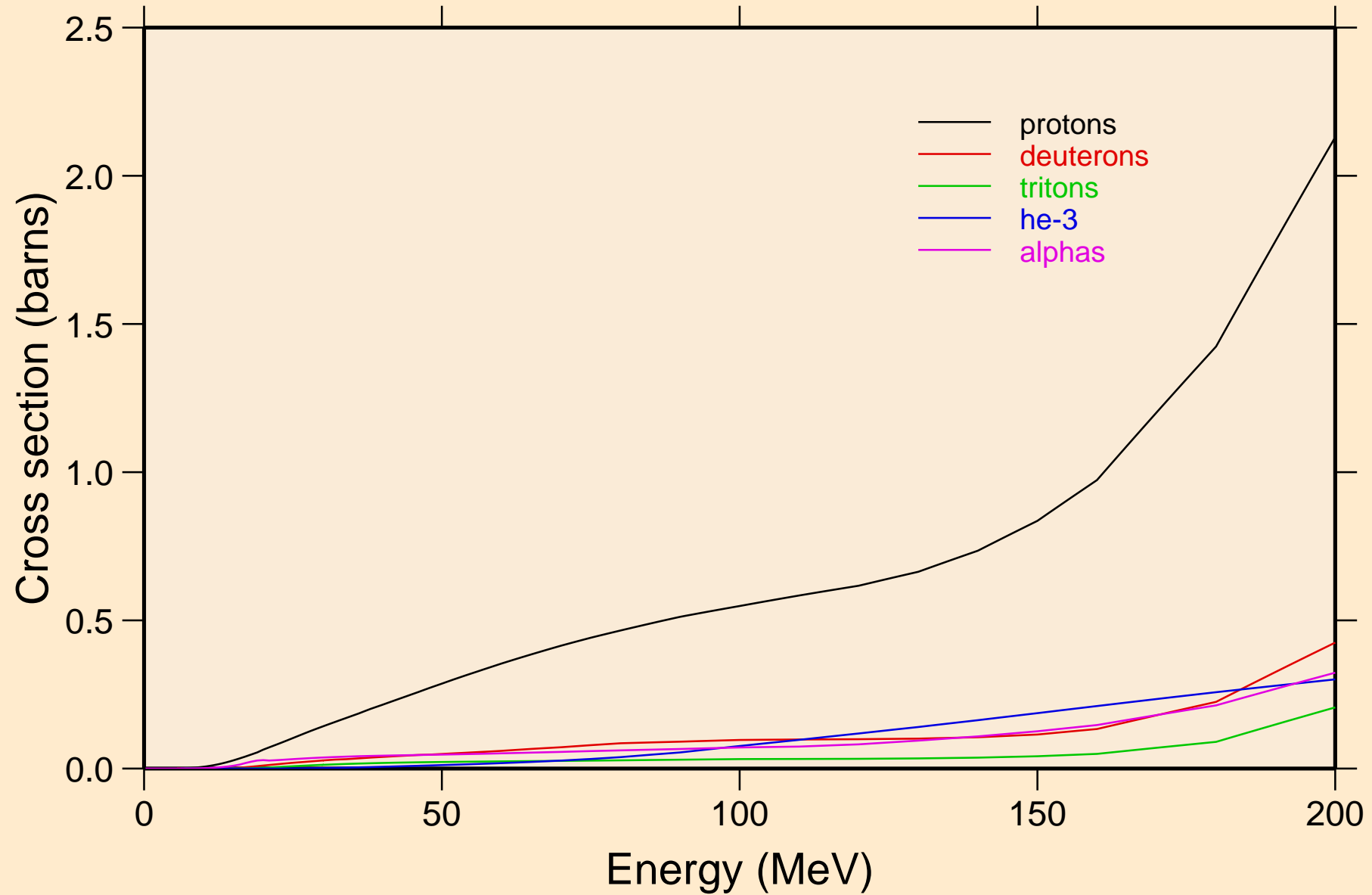
# CE139 NRG TENDL-2015, AKONING

## Recoil Heating

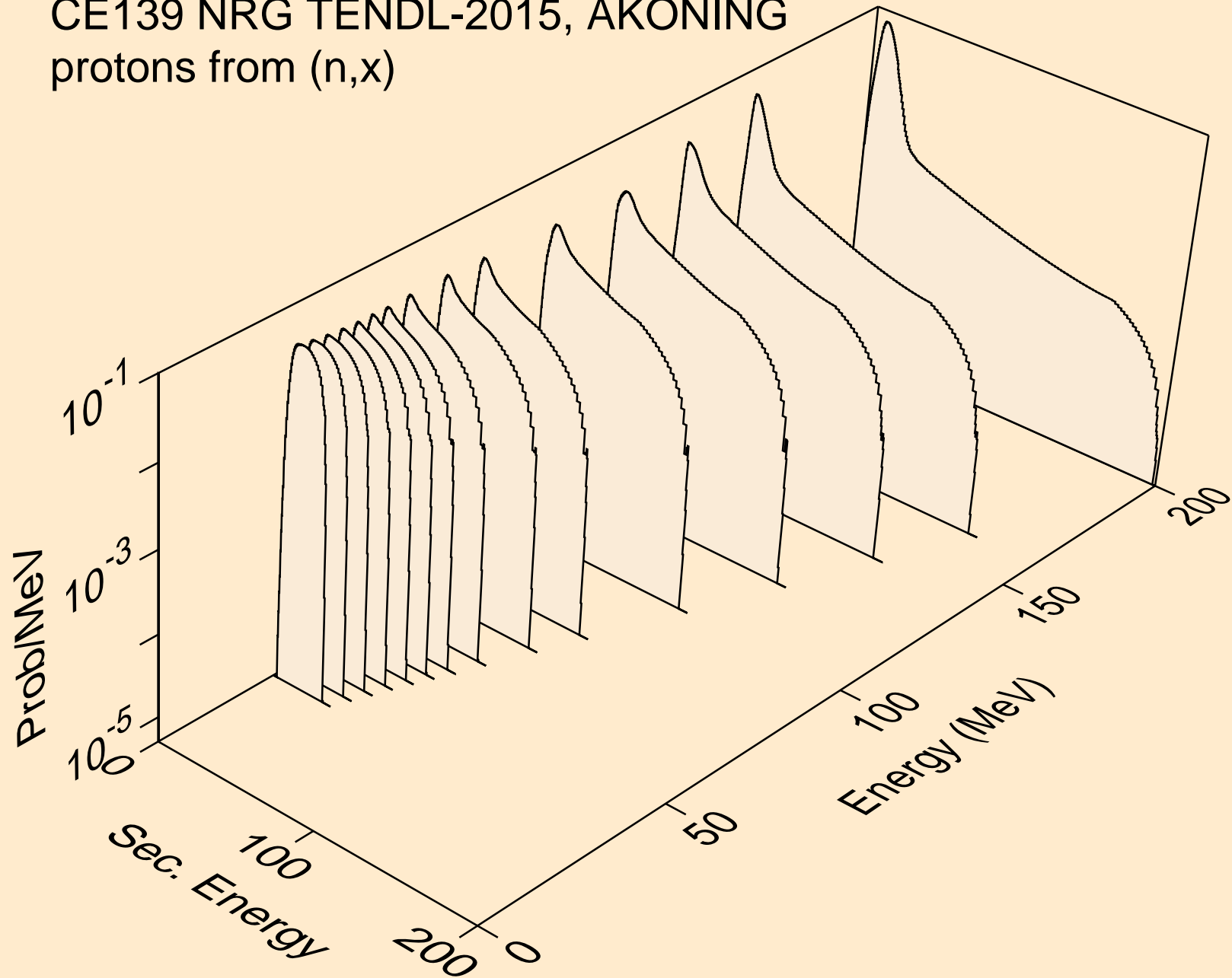


# CE139 NRG TENDL-2015, AKONING

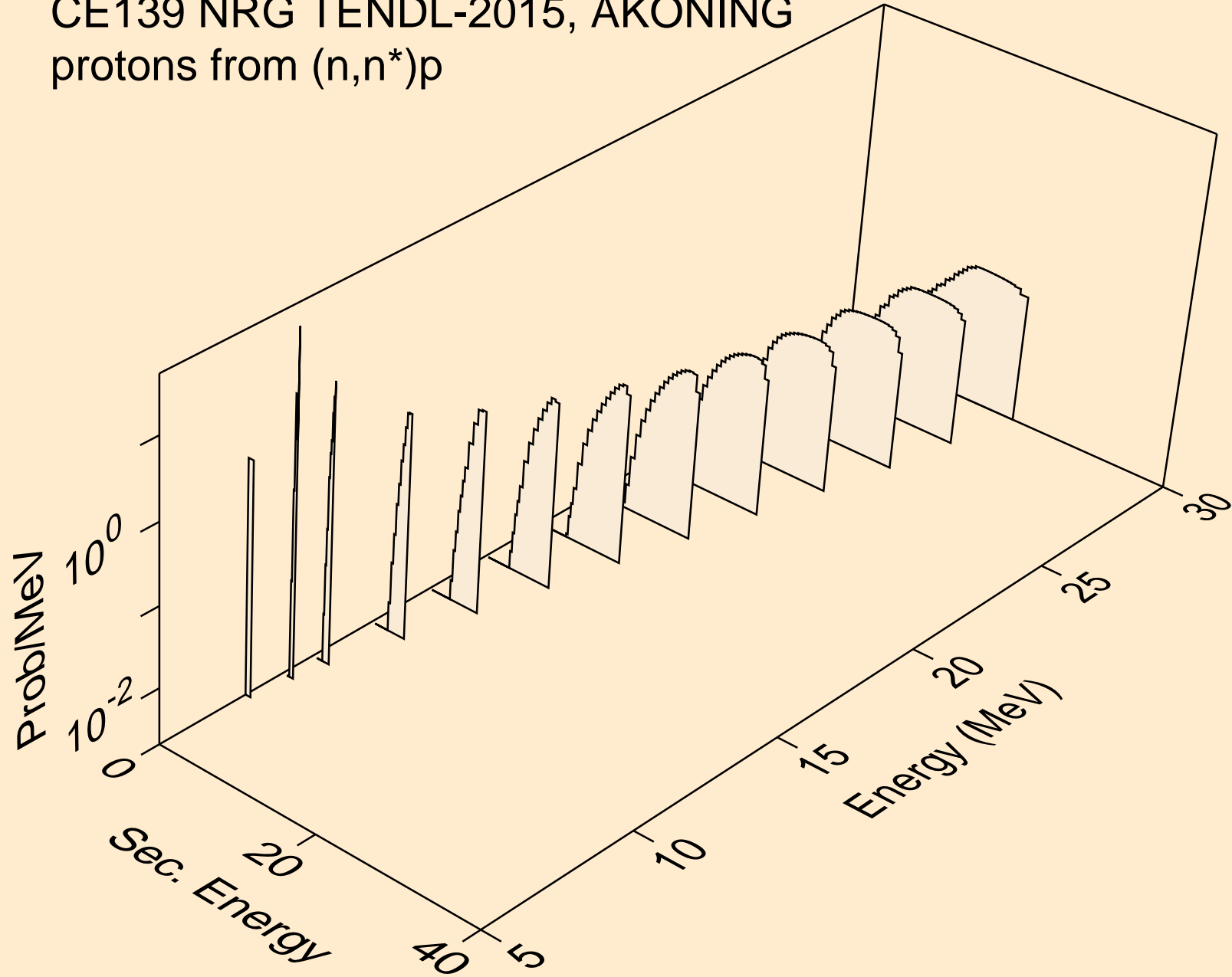
## Particle production cross sections



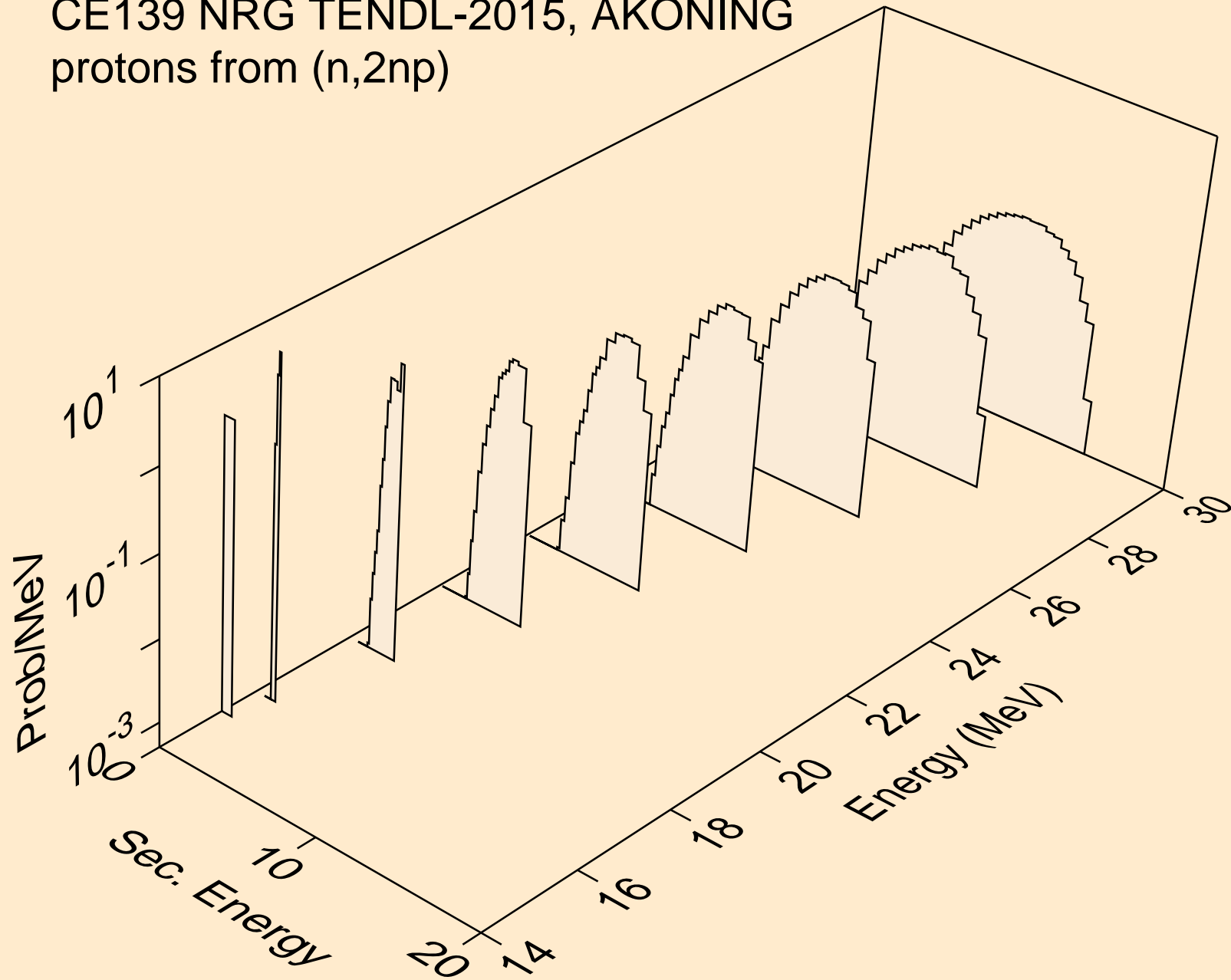
CE139 NRG TENDL-2015, AKONING  
protons from (n,x)



CE139 NRG TENDL-2015, AKONING  
protons from (n,n\*)p

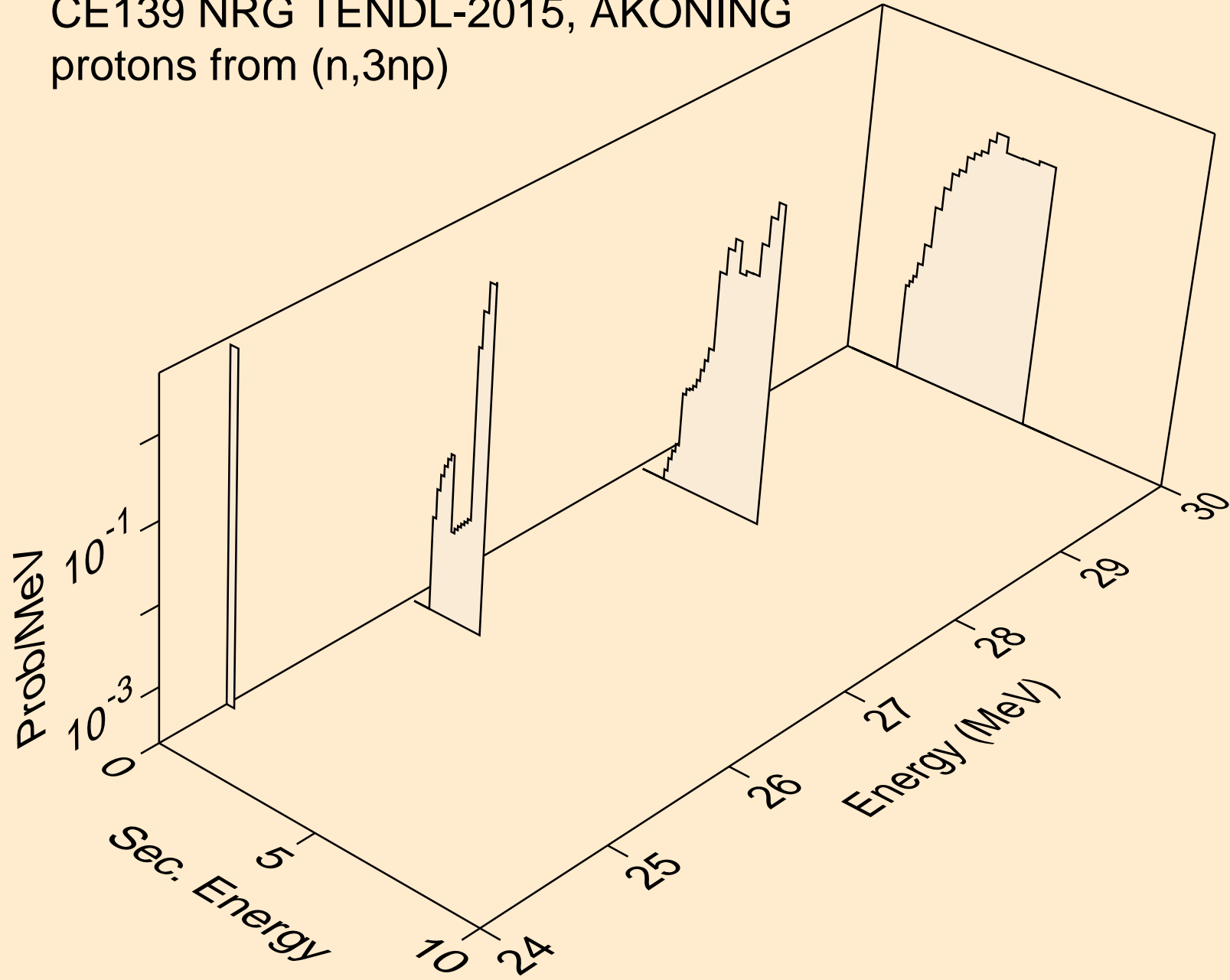


CE139 NRG TENDL-2015, AKONING  
protons from (n,2np)

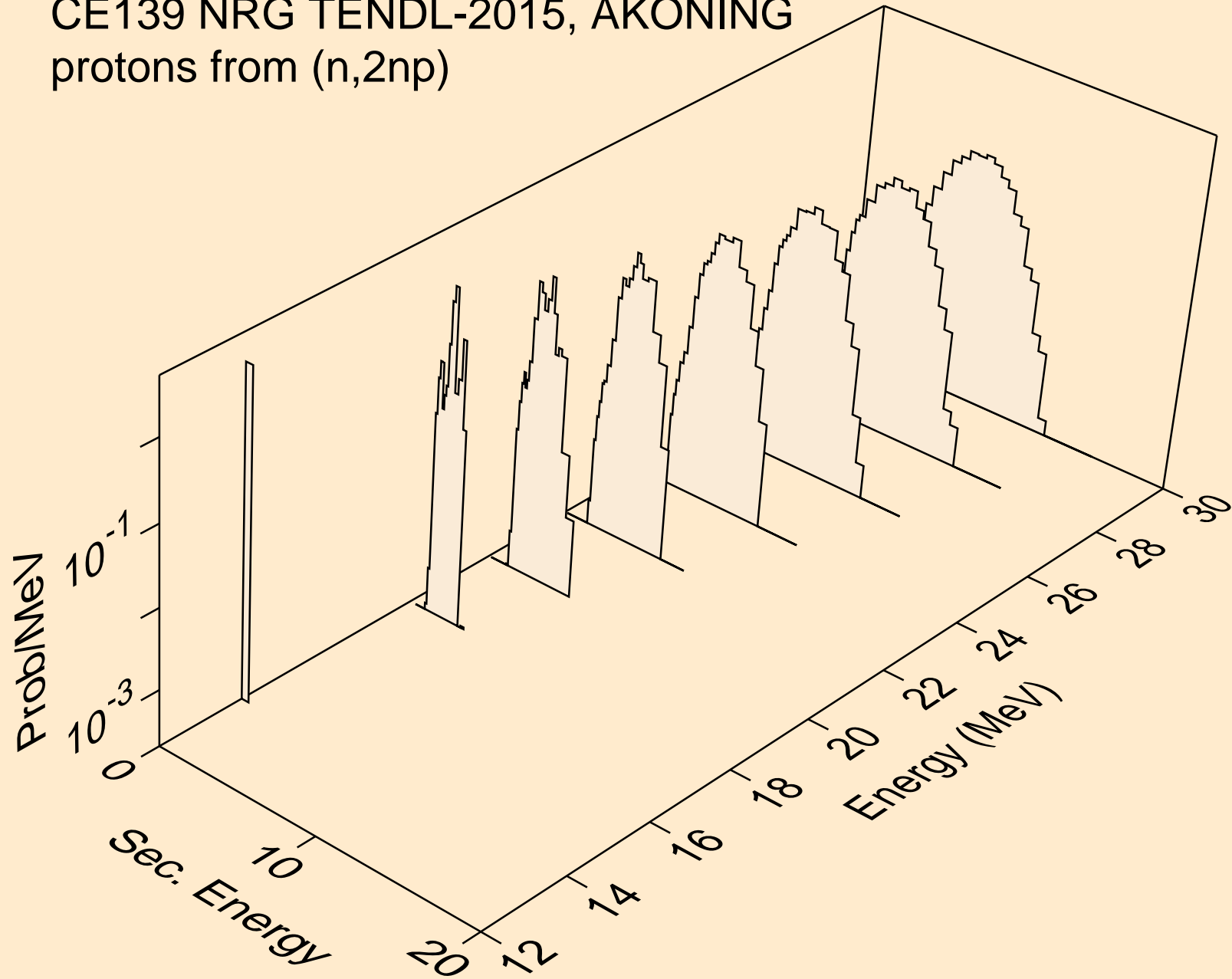




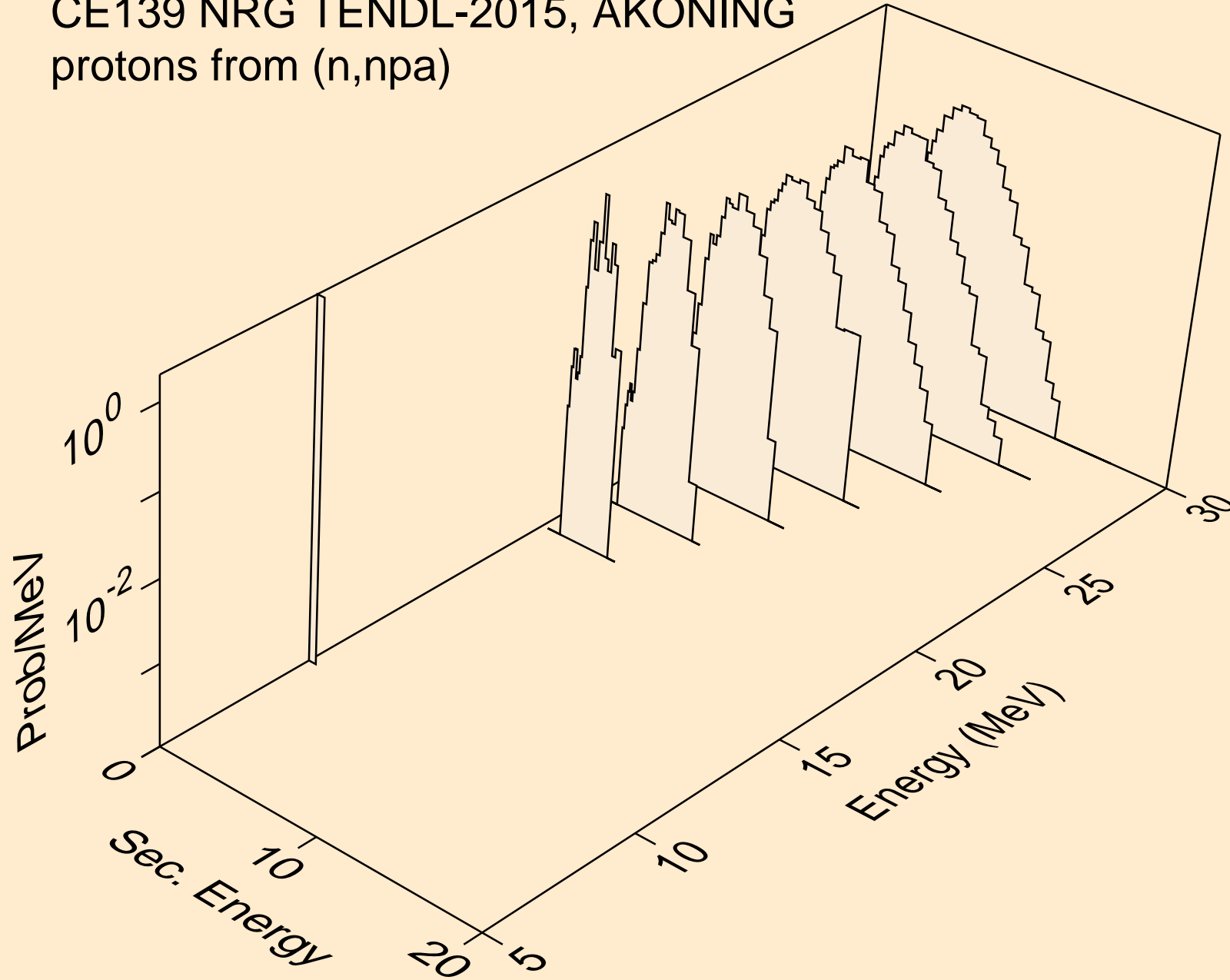
CE139 NRG TENDL-2015, AKONING  
protons from (n,3np)



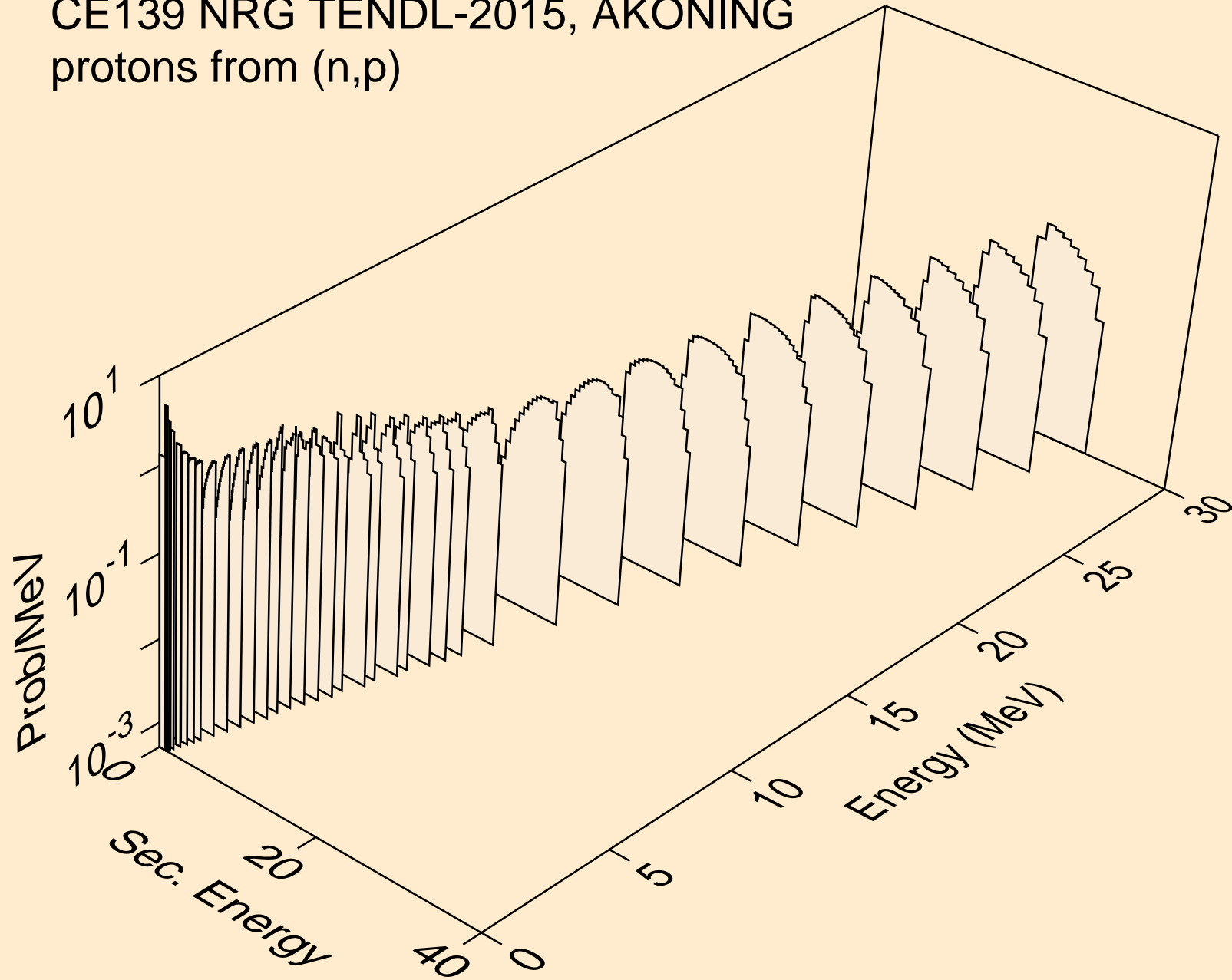
CE139 NRG TENDL-2015, AKONING  
protons from (n,2np)



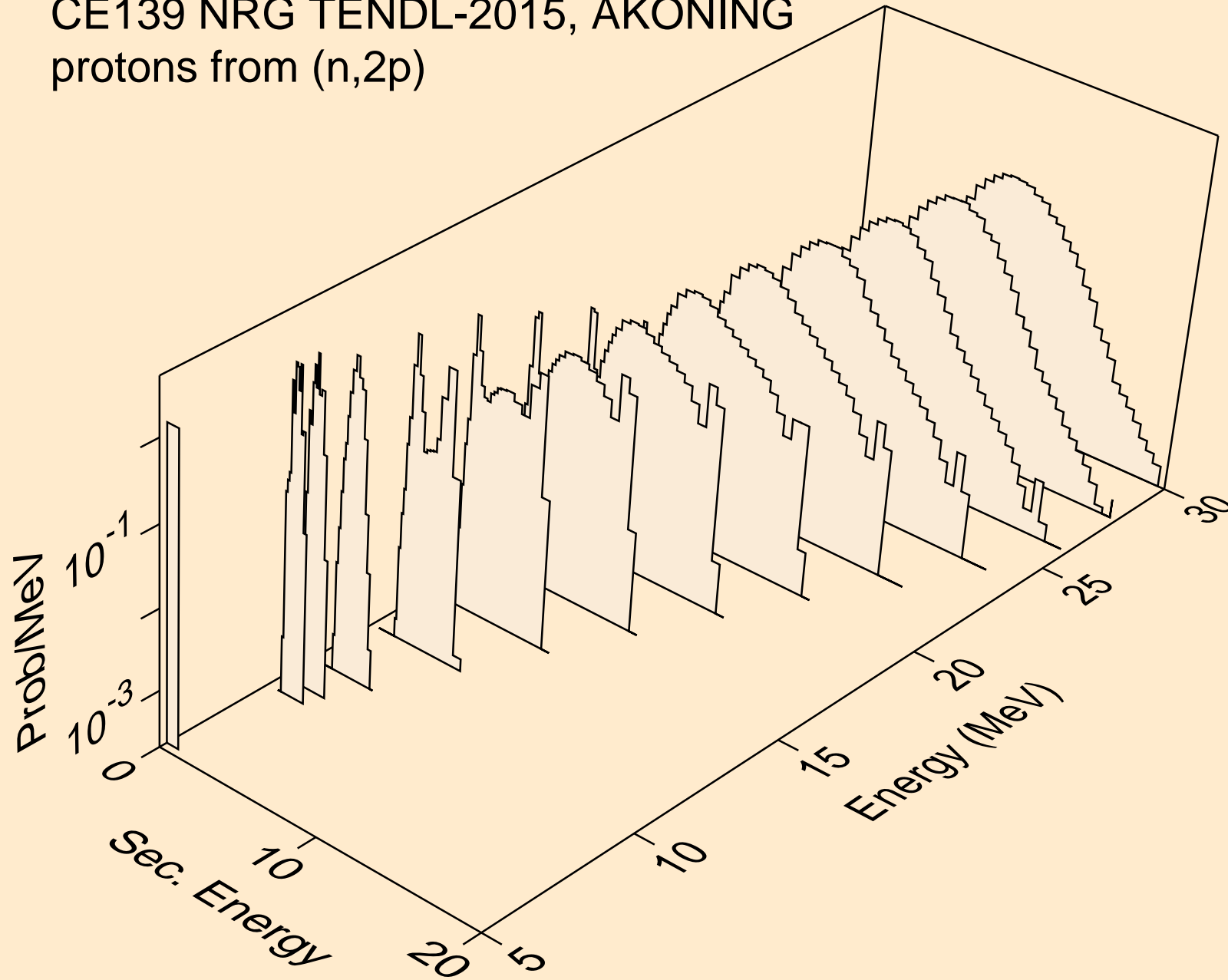
CE139 NRG TENDL-2015, AKONING  
protons from (n,npa)



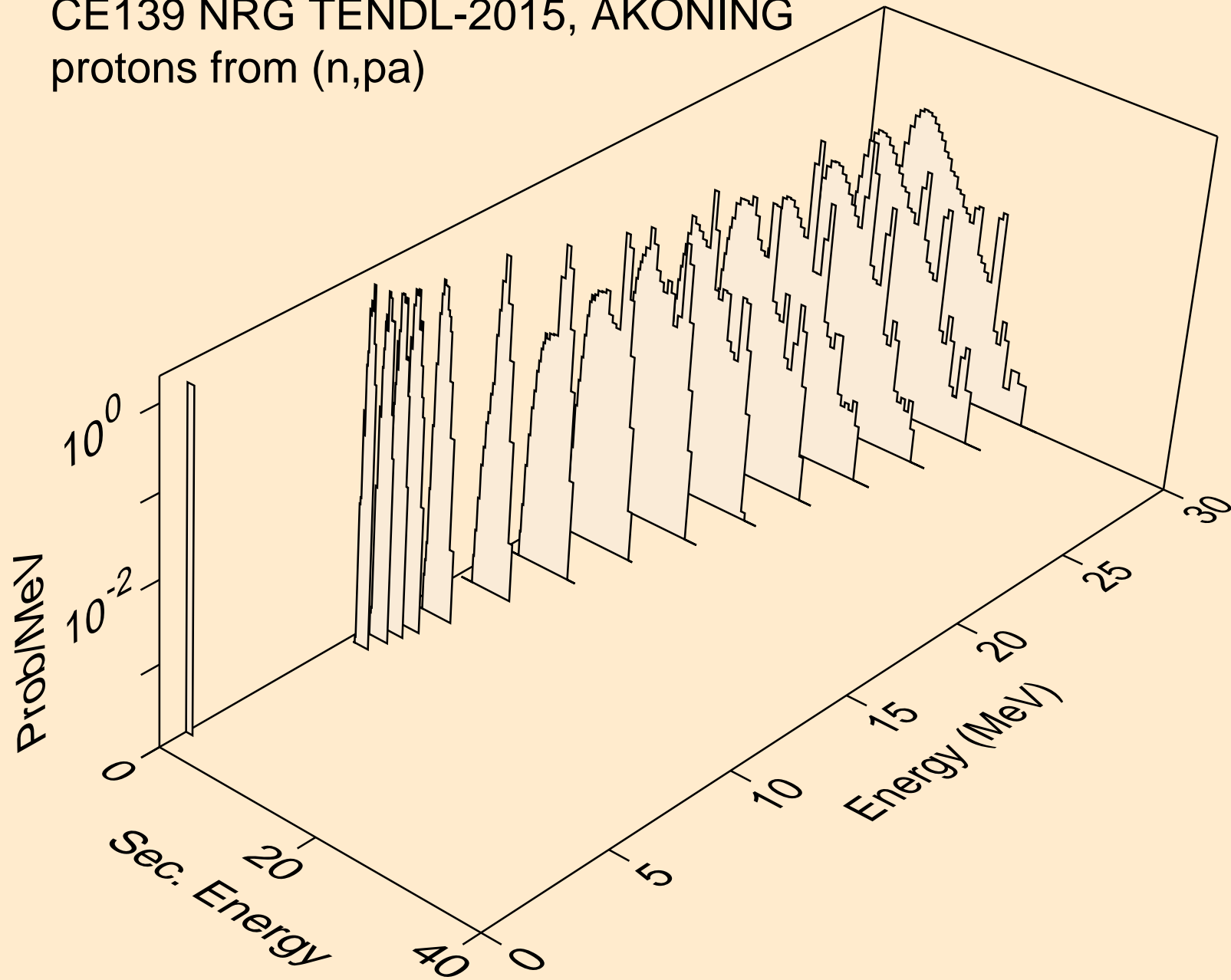
CE139 NRG TENDL-2015, AKONING  
protons from (n,p)



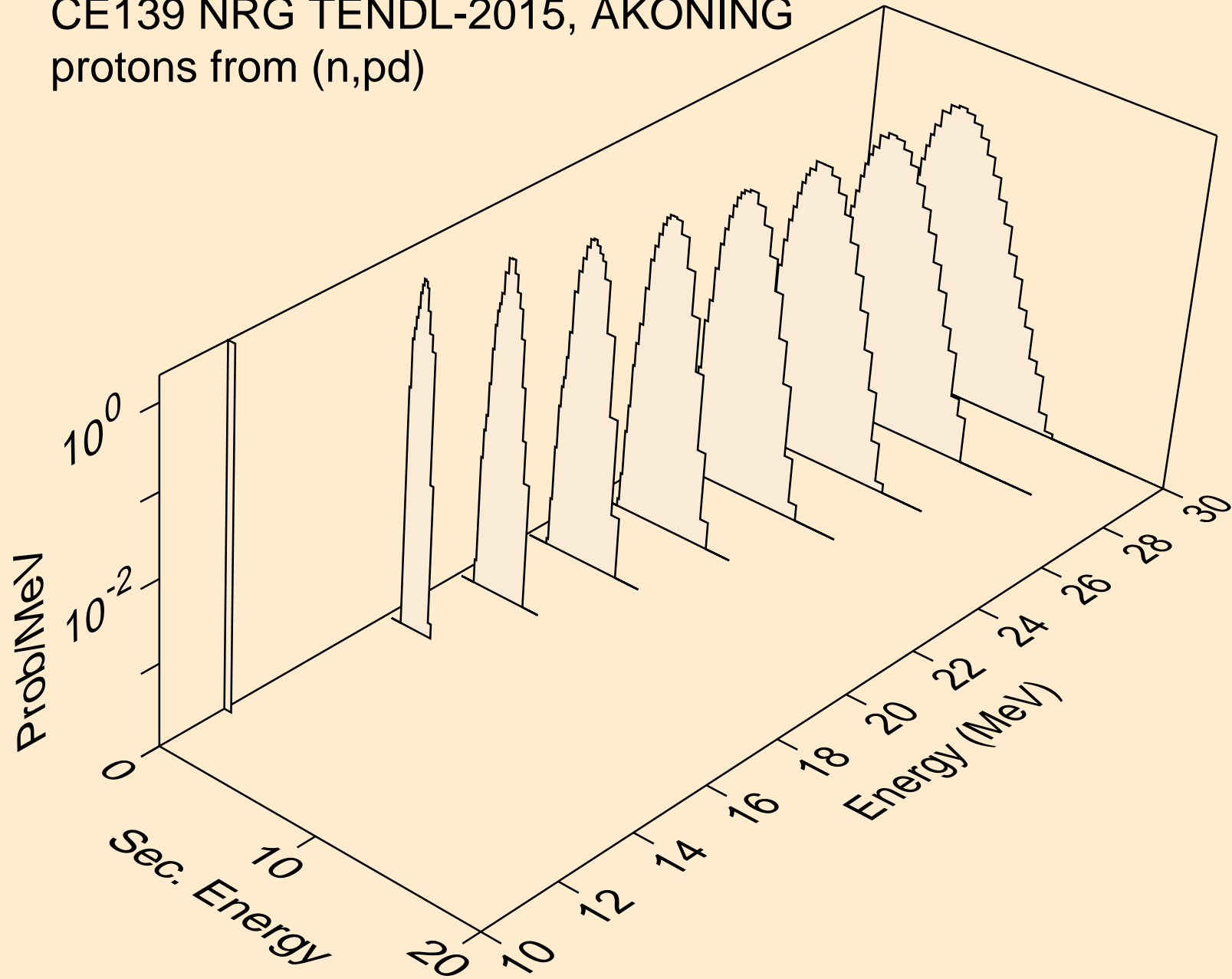
CE139 NRG TENDL-2015, AKONING  
protons from (n,2p)



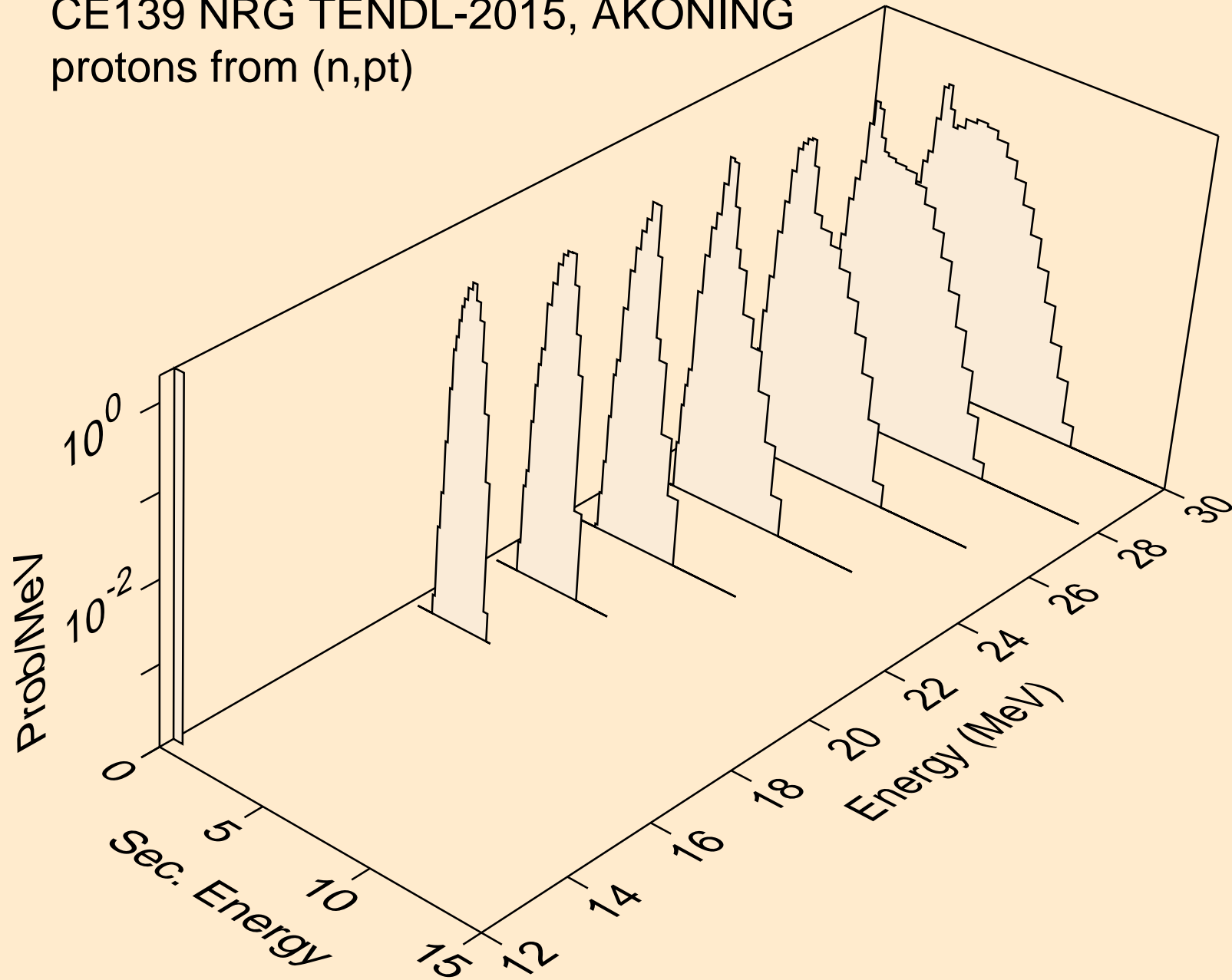
CE139 NRG TENDL-2015, AKONING  
protons from (n,pa)



CE139 NRG TENDL-2015, AKONING  
protons from (n,pd)

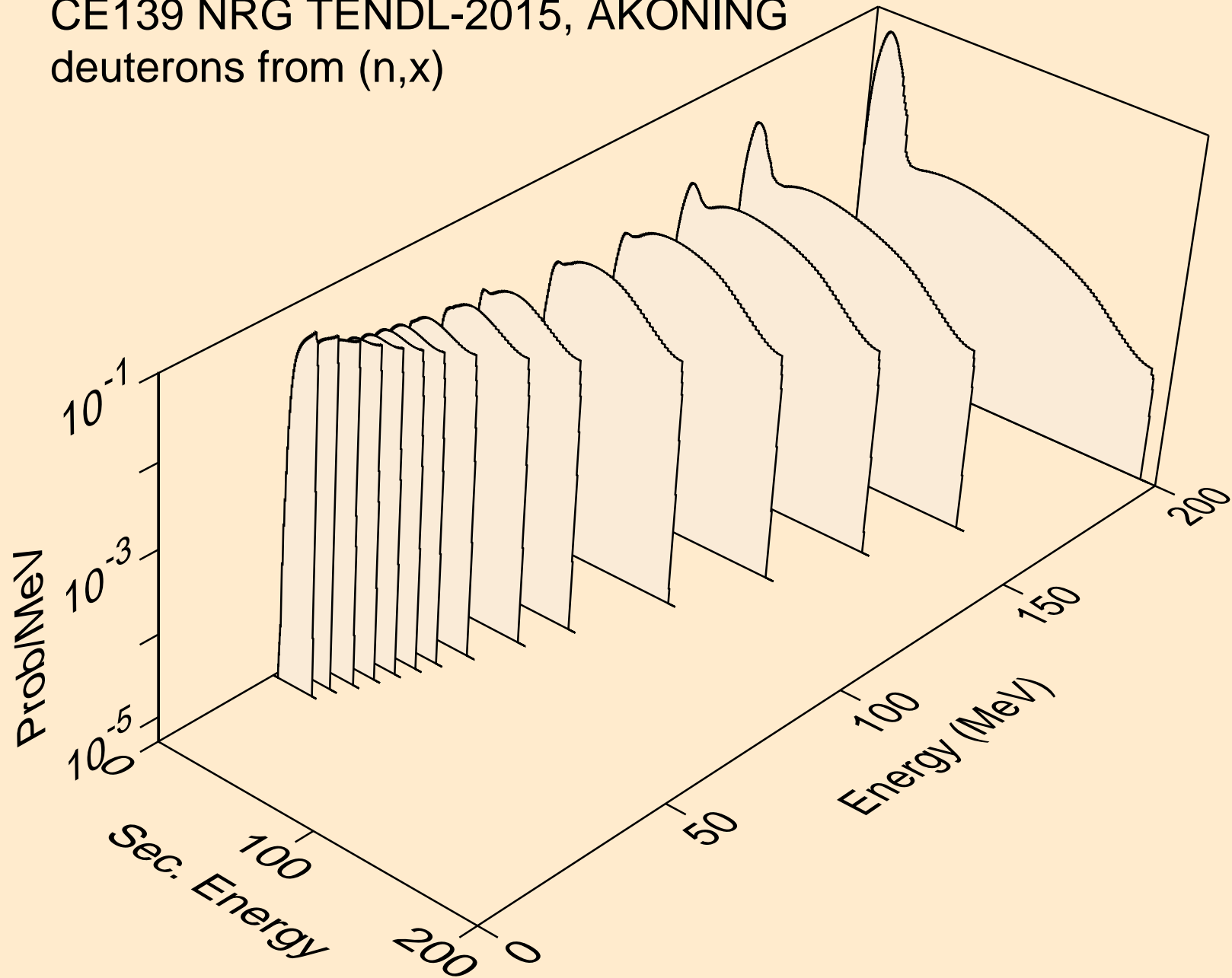


CE139 NRG TENDL-2015, AKONING  
protons from (n,pt)

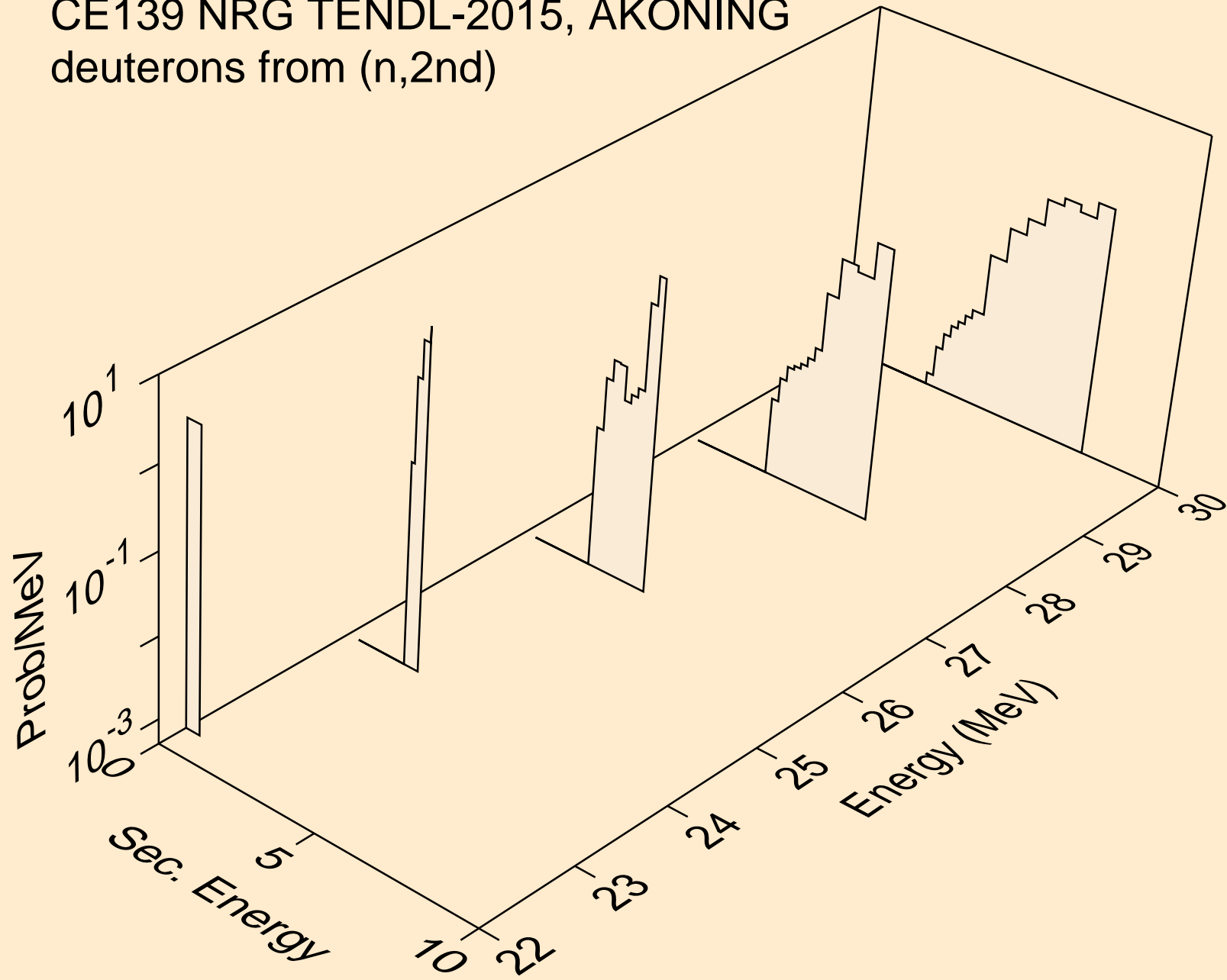




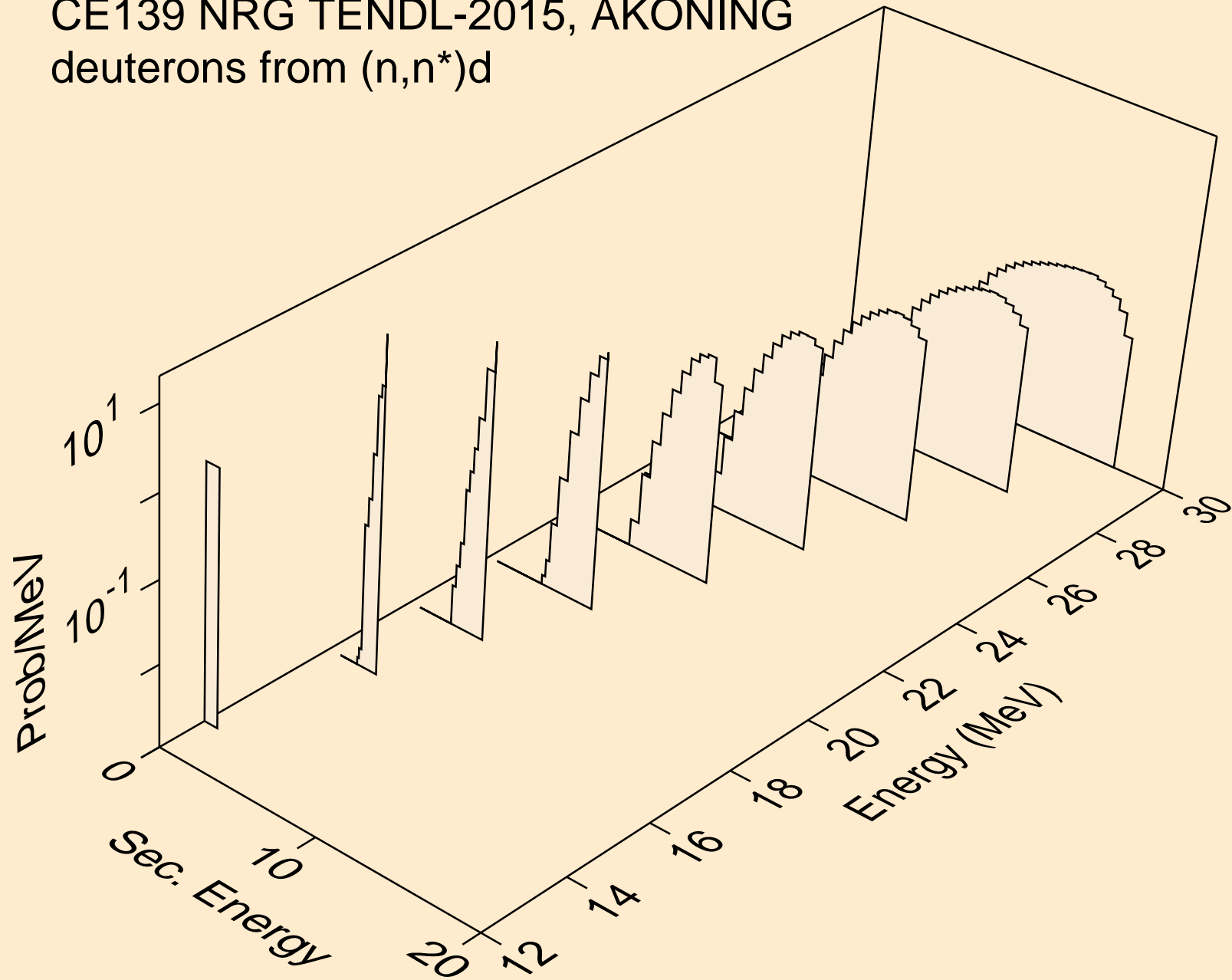
CE139 NRG TENDL-2015, AKONING  
deuterons from (n,x)



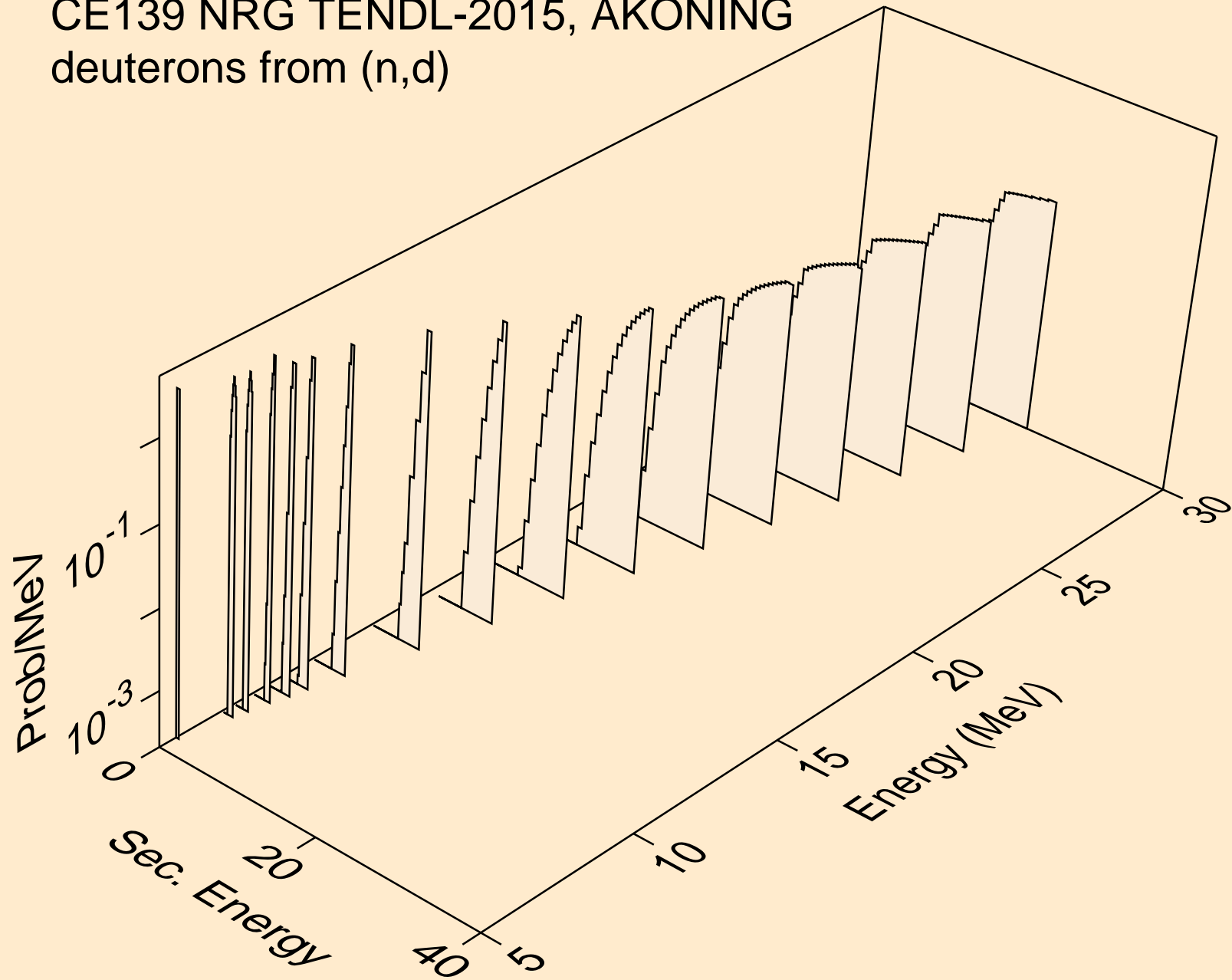
CE139 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



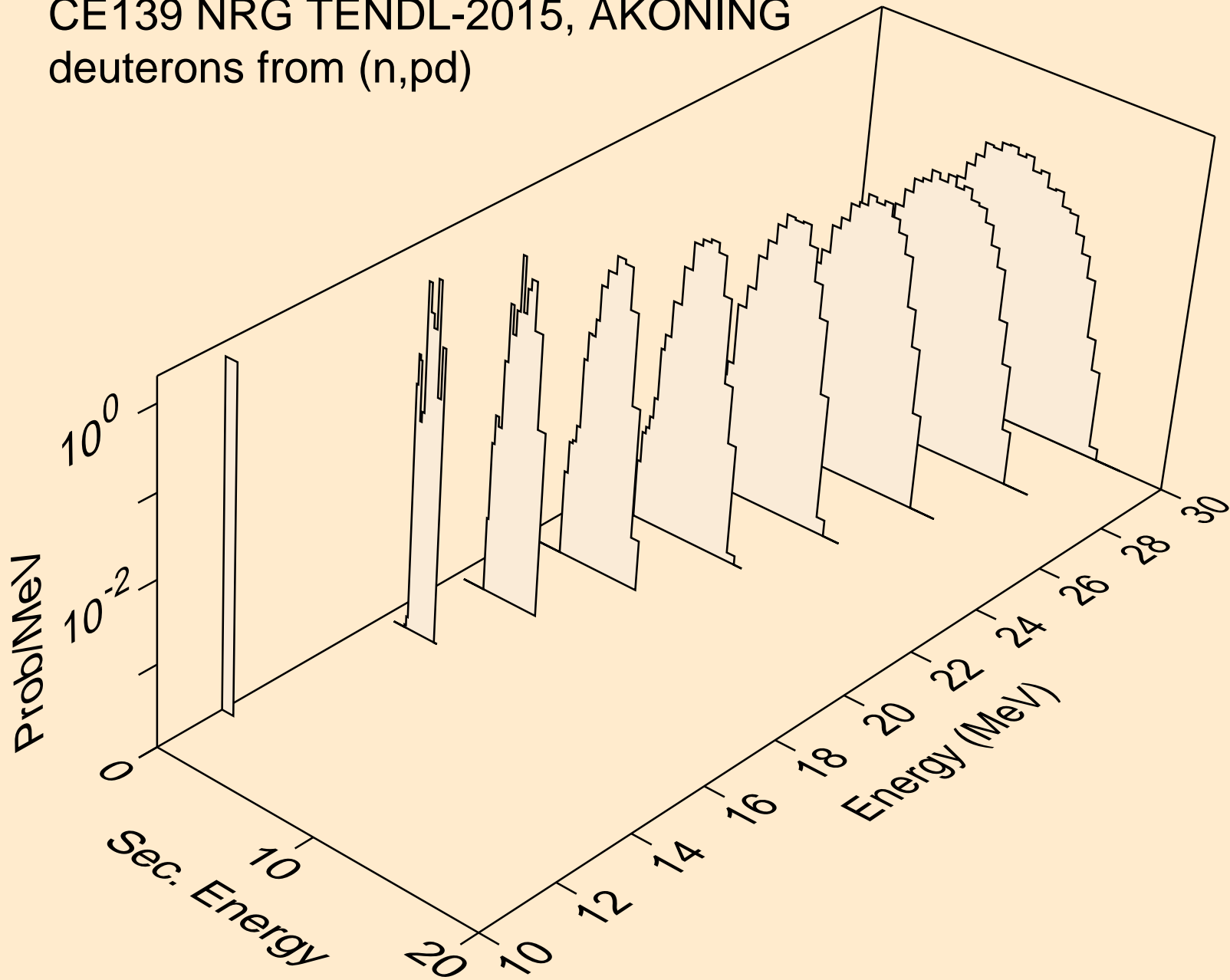
CE139 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



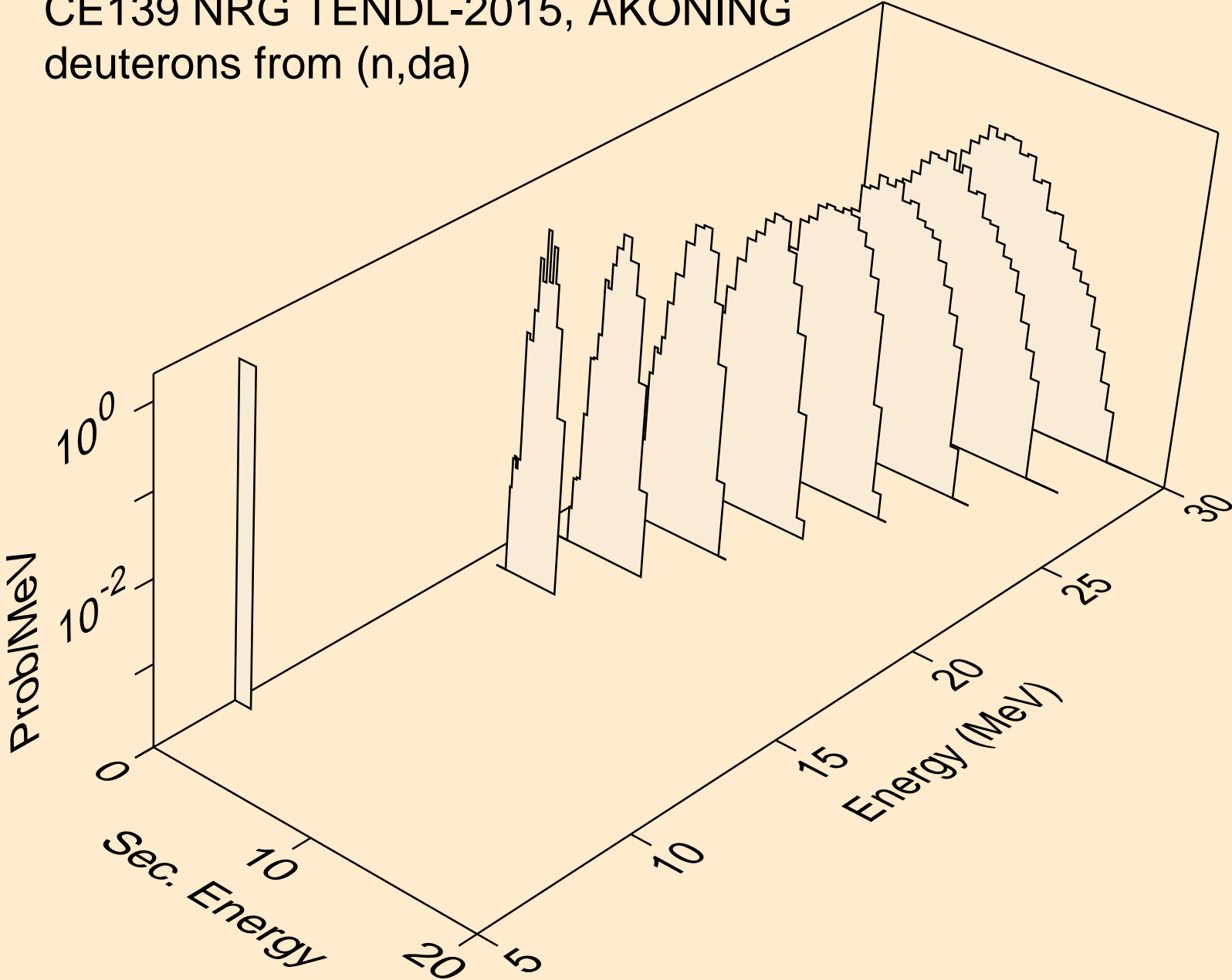
CE139 NRG TENDL-2015, AKONING  
deuterons from (n,d)



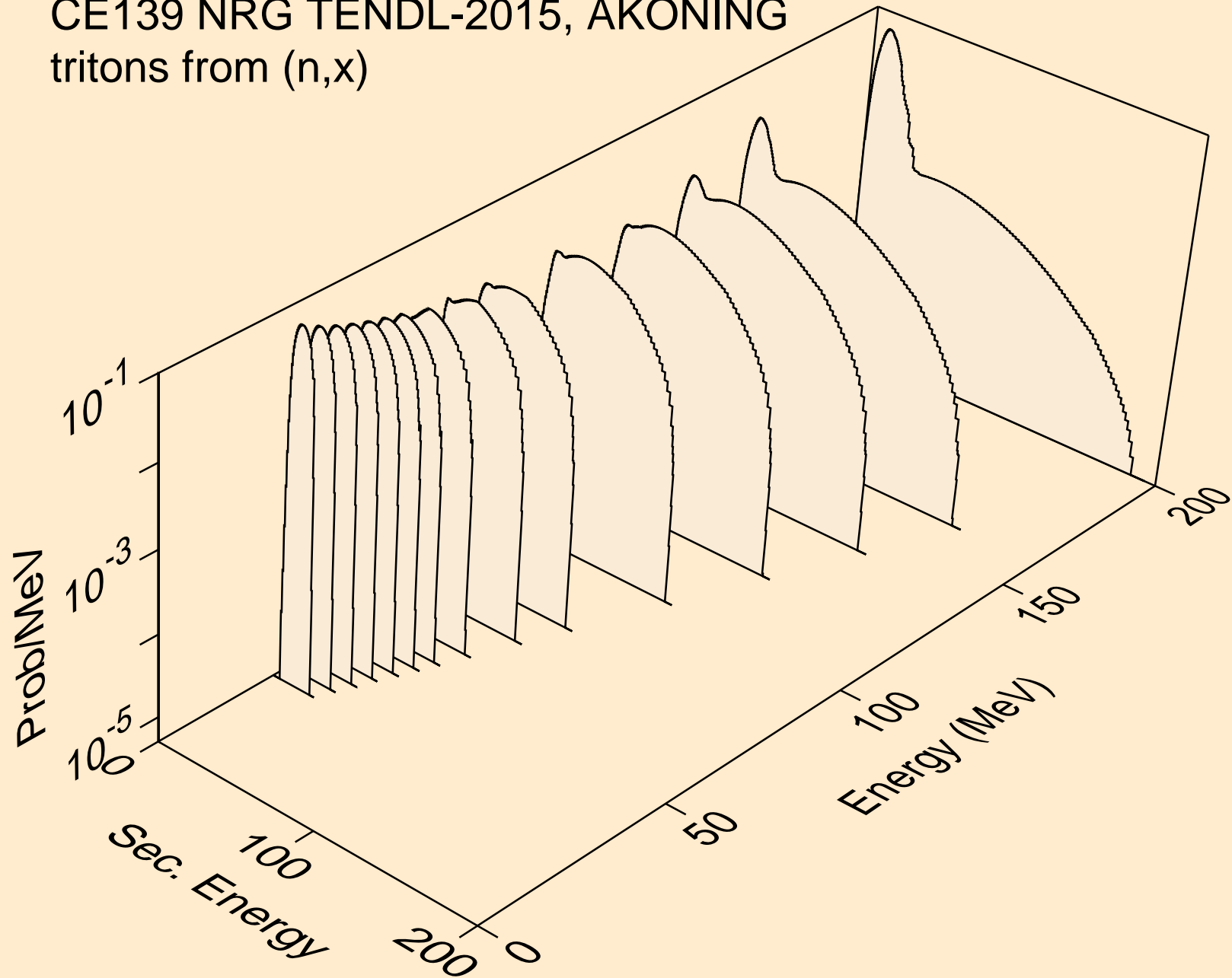
CE139 NRG TENDL-2015, AKONING  
deuterons from (n,pd)



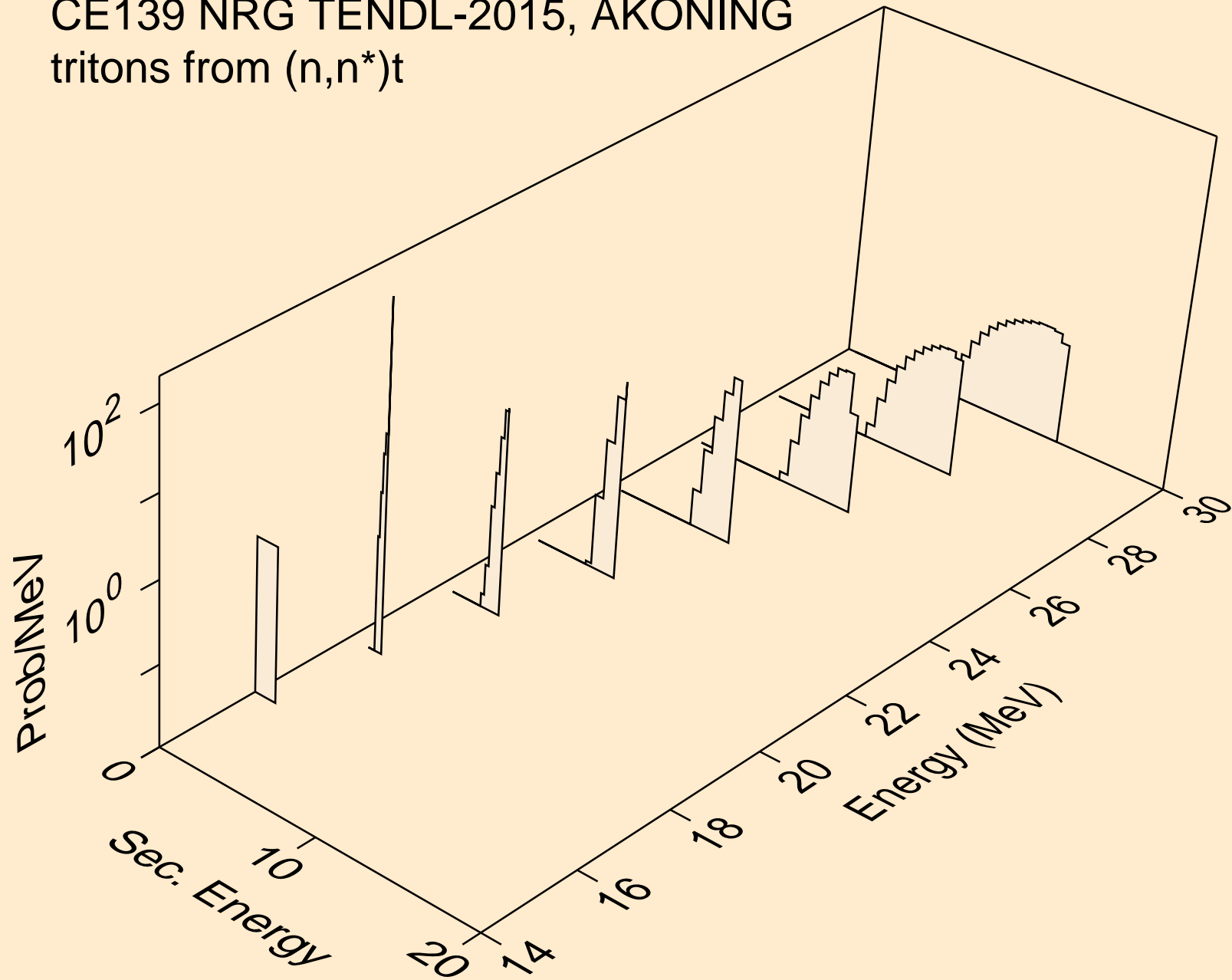
CE139 NRG TENDL-2015, AKONING  
deuterons from (n,da)



CE139 NRG TENDL-2015, AKONING  
tritons from (n,x)

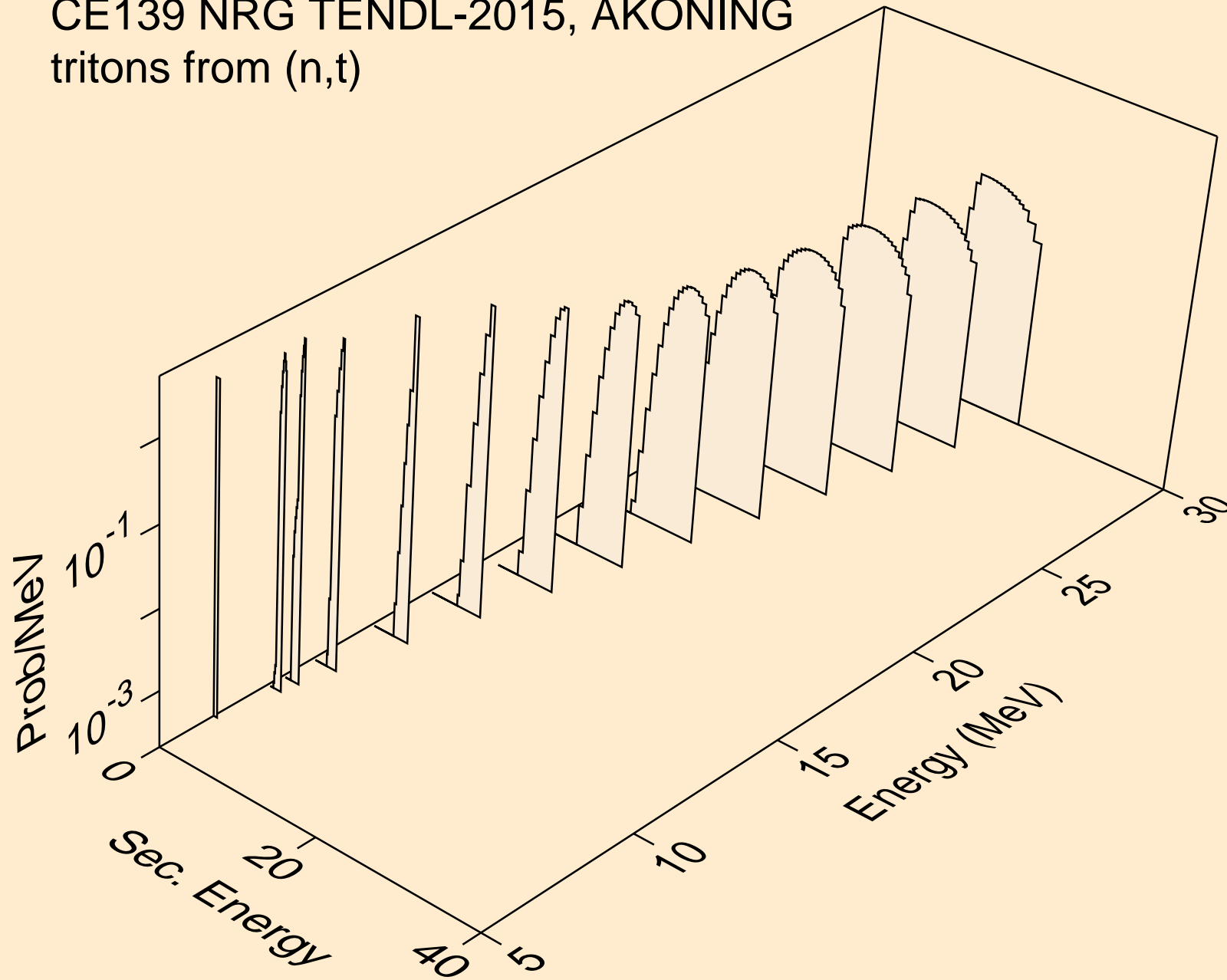


CE139 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t

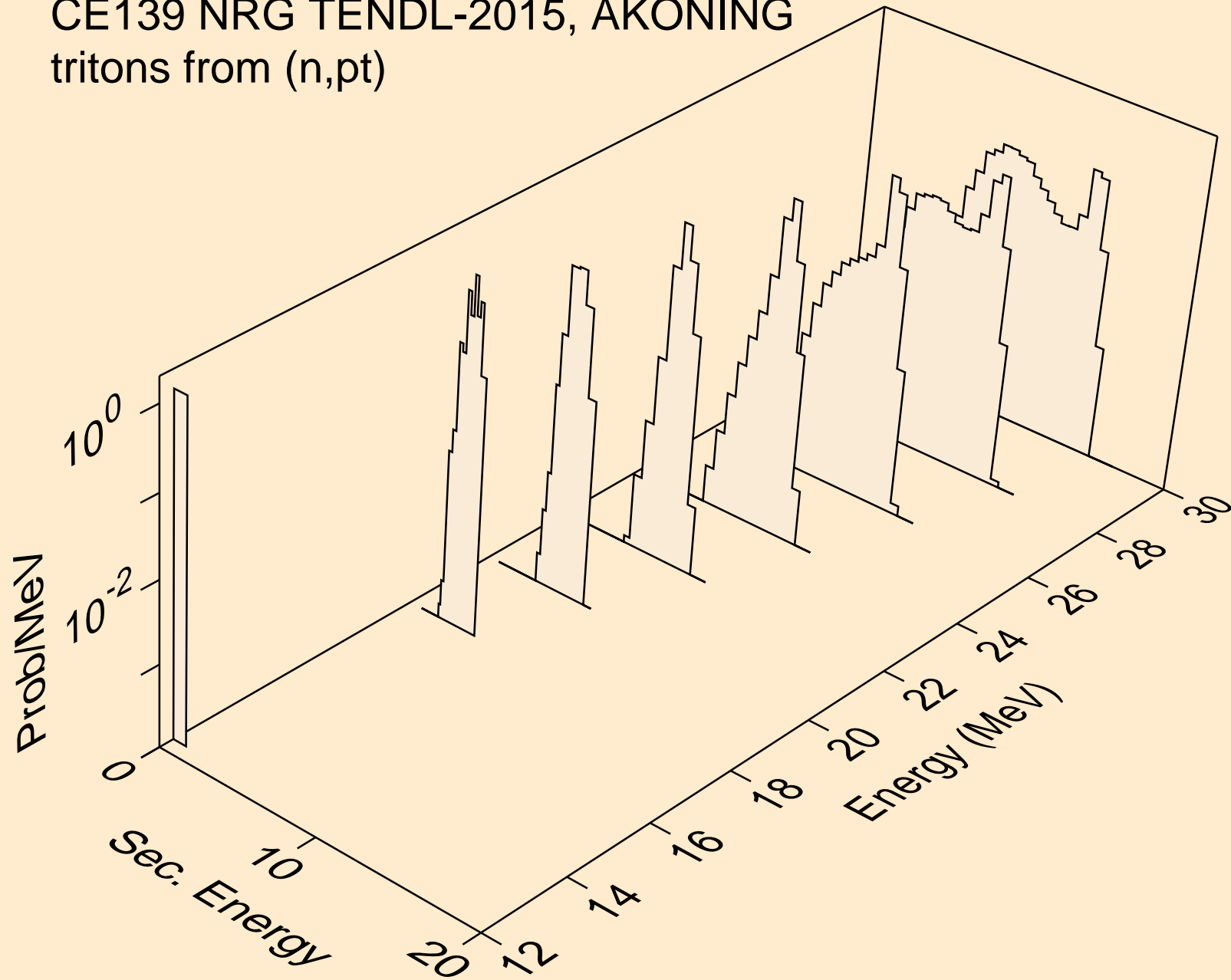




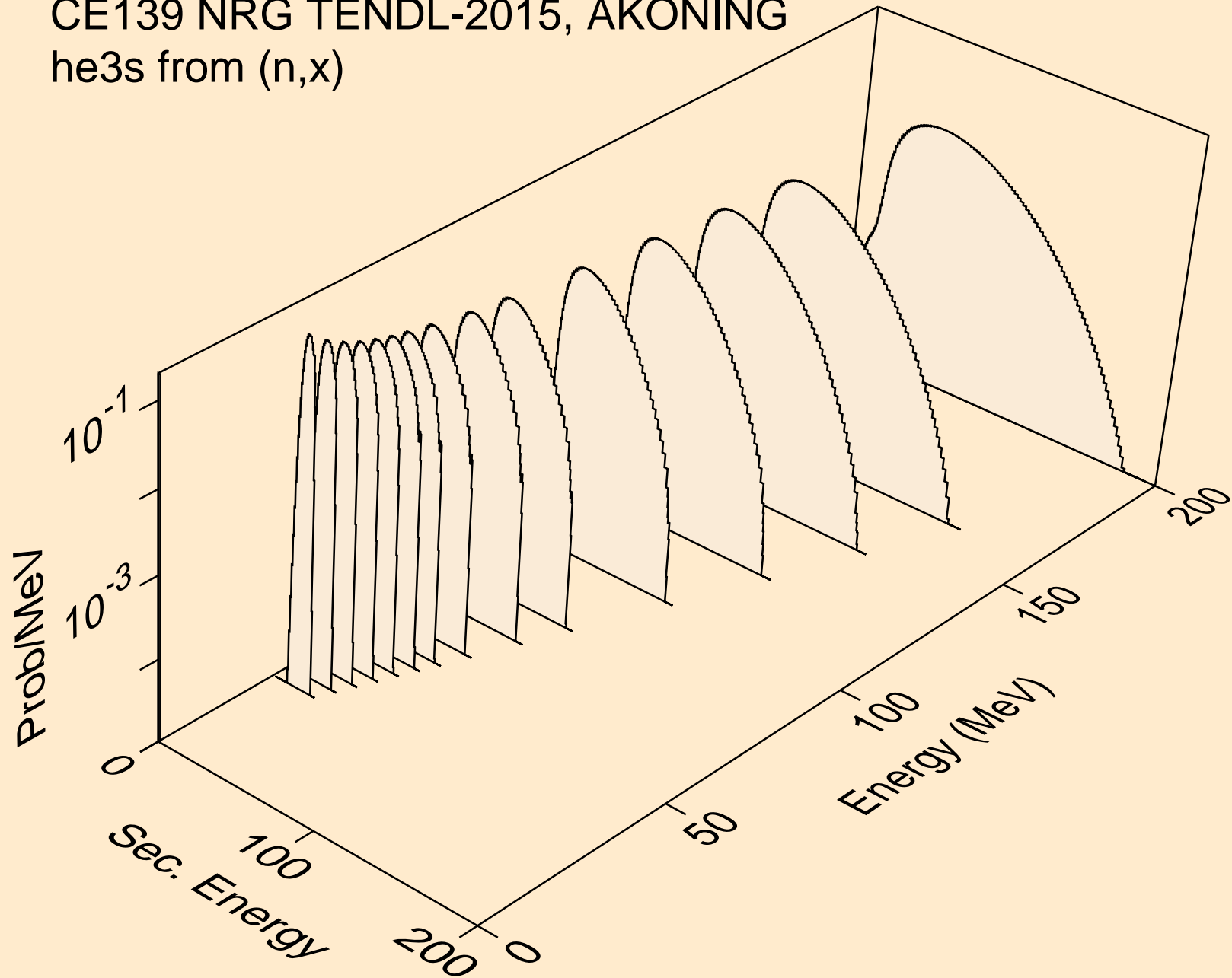
CE139 NRG TENDL-2015, AKONING  
tritons from (n,t)



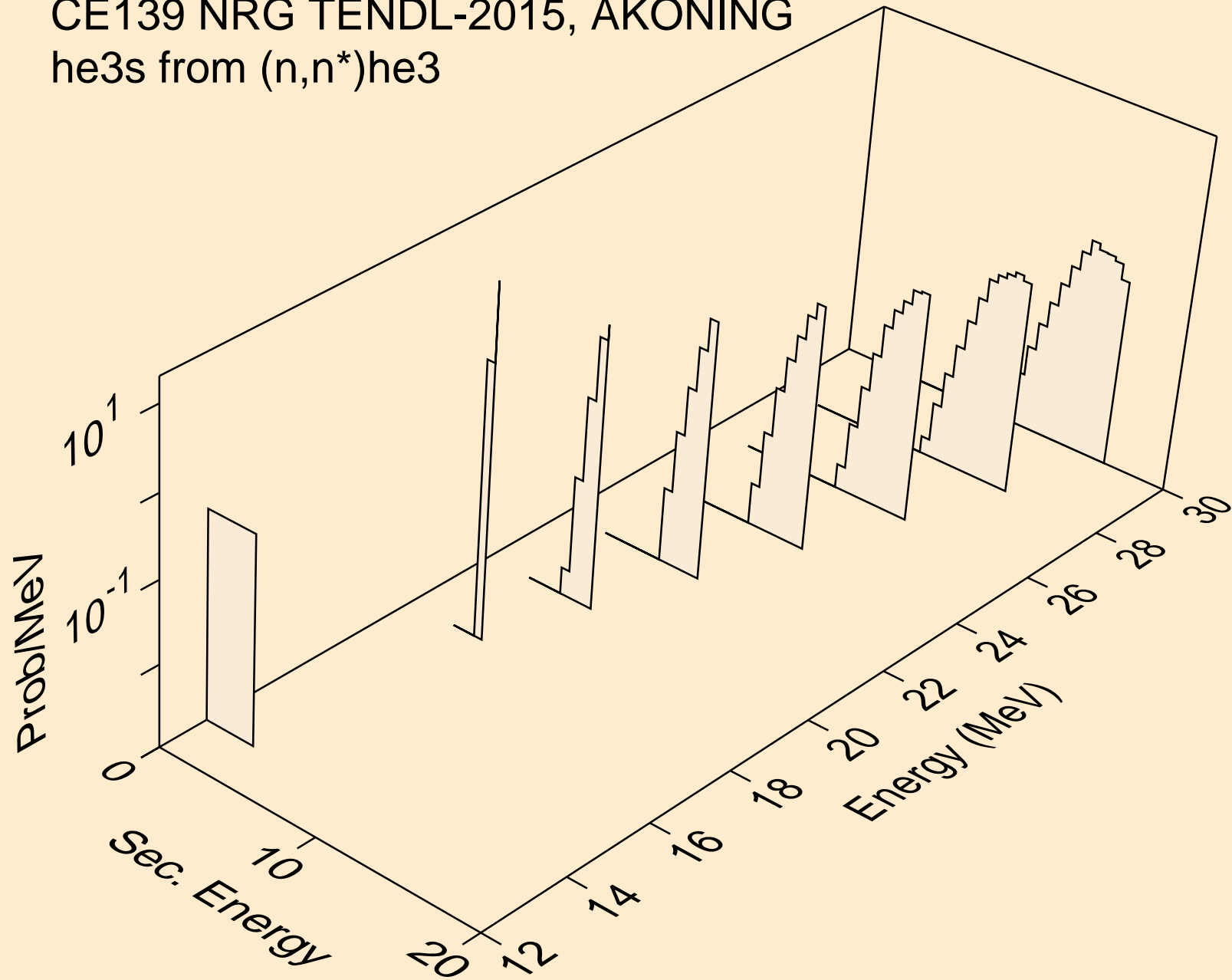
CE139 NRG TENDL-2015, AKONING  
tritons from (n,pt)



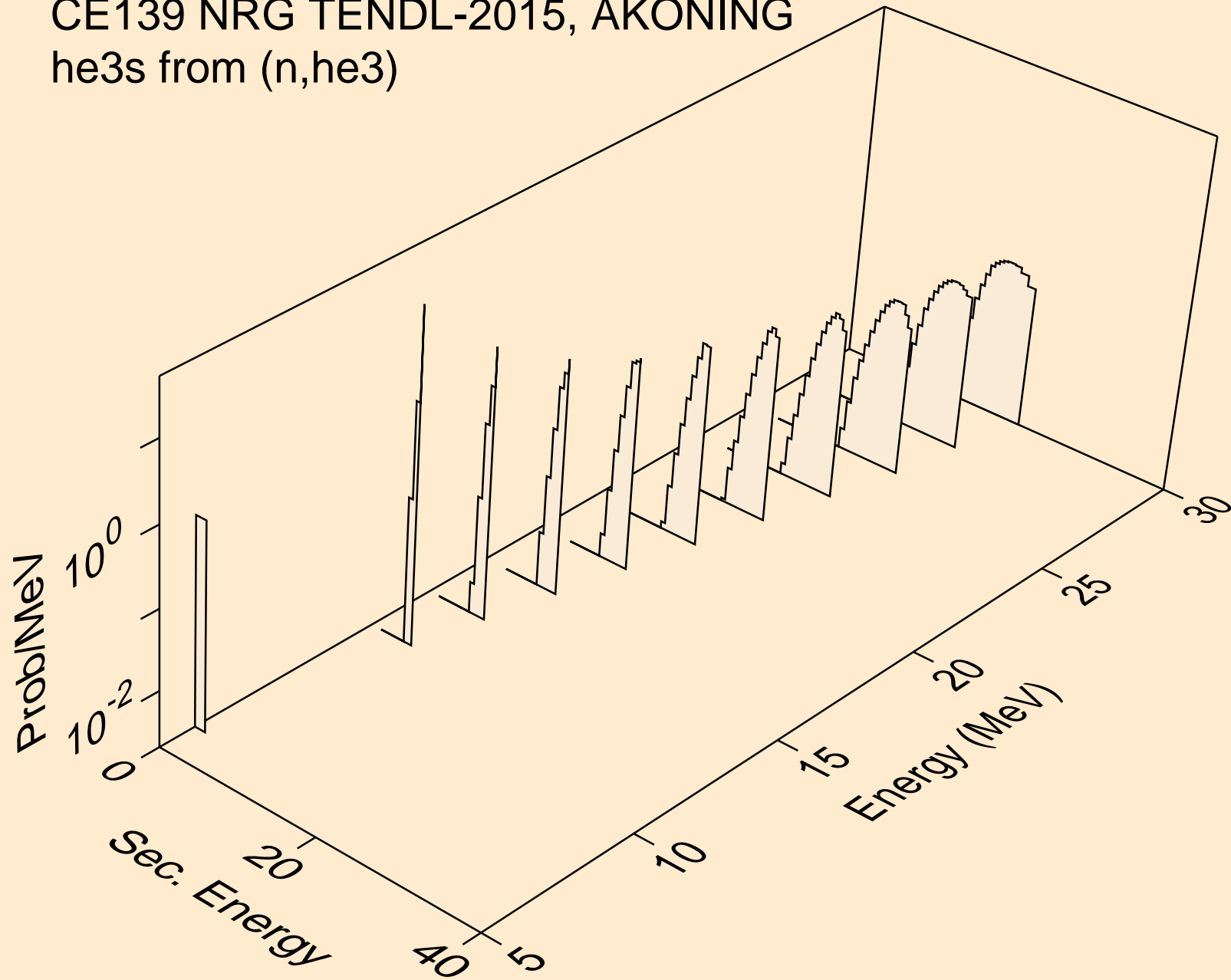
CE139 NRG TENDL-2015, AKONING  
he3s from (n,x)



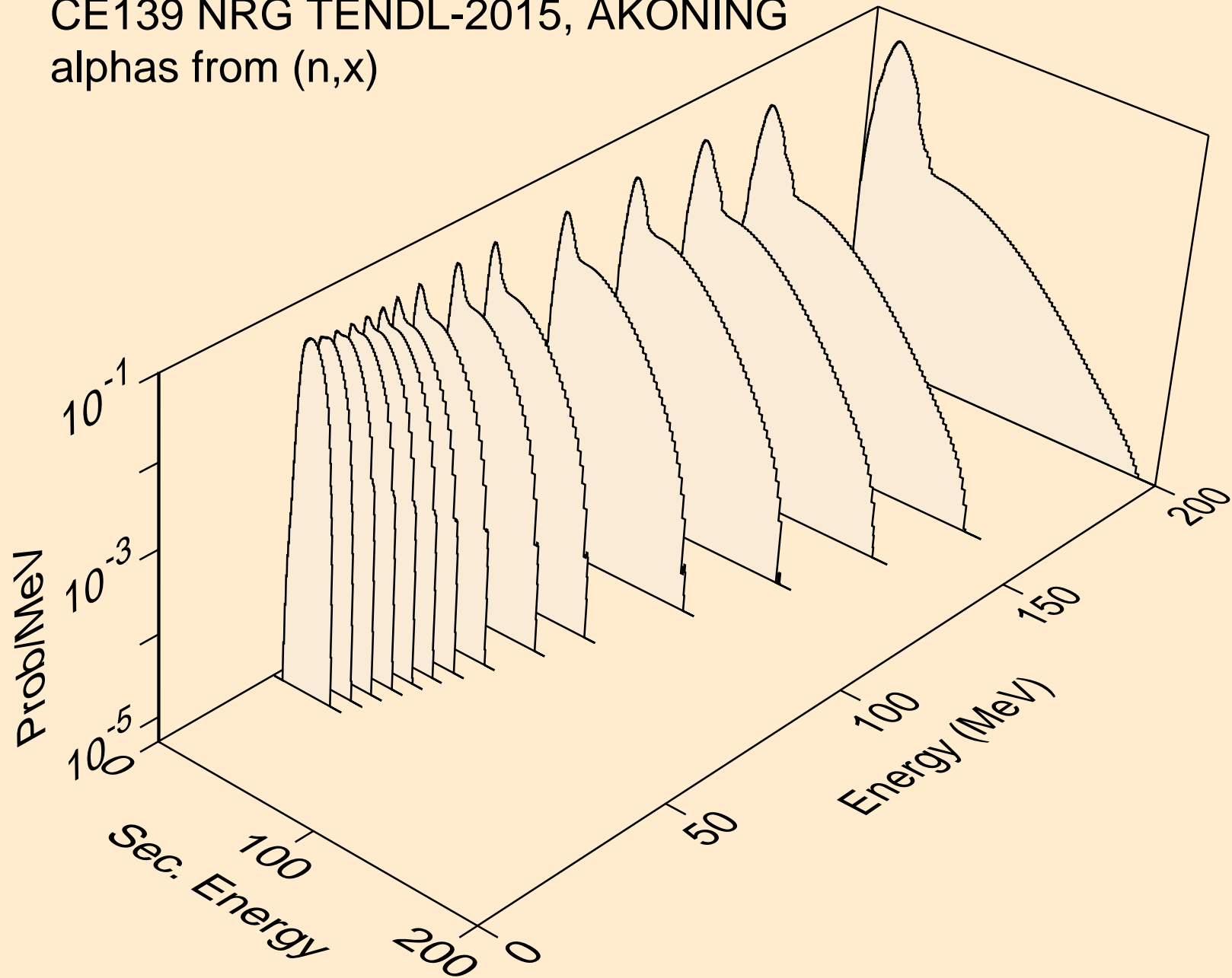
CE139 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



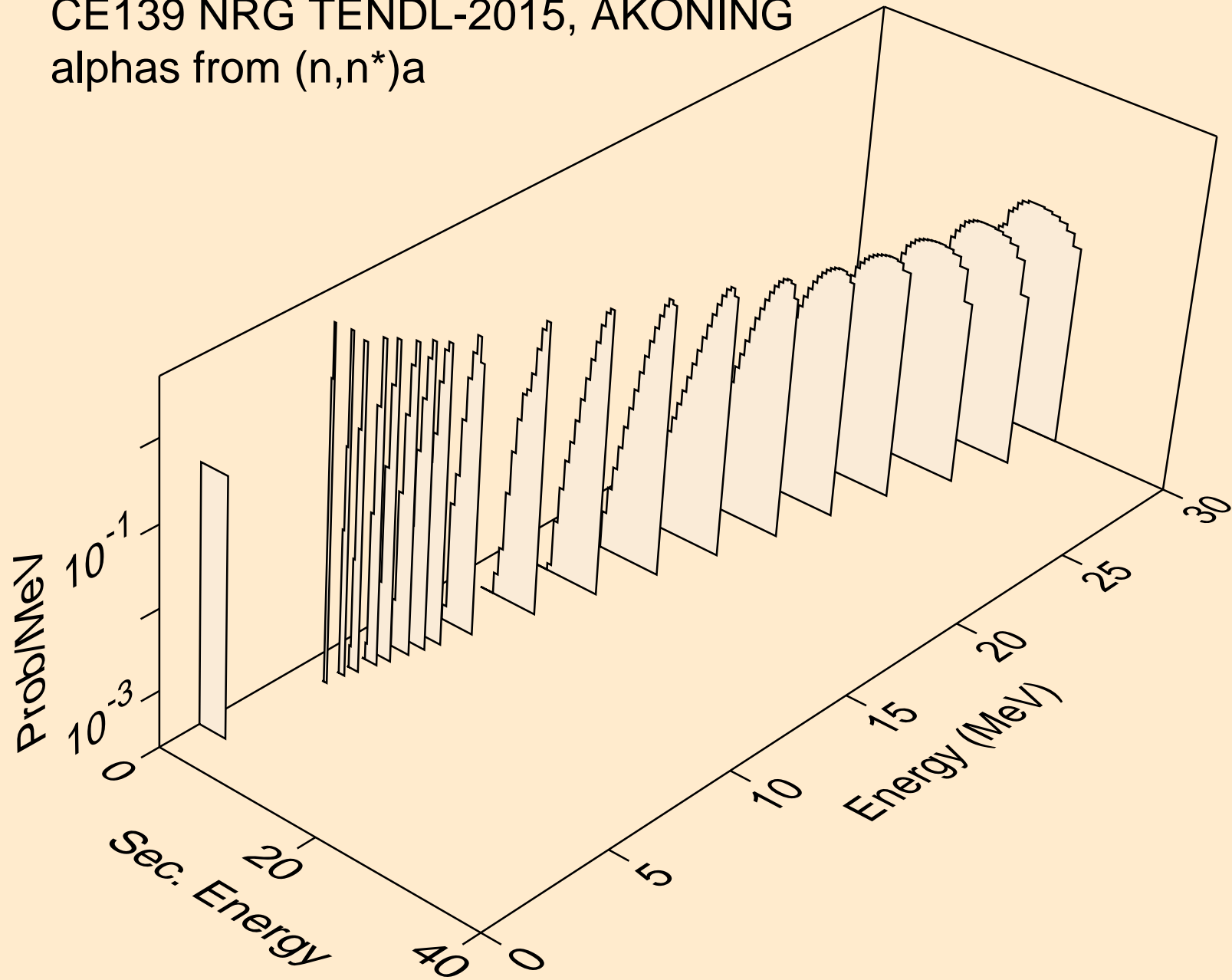
CE139 NRG TENDL-2015, AKONING  
he3s from (n,he3)



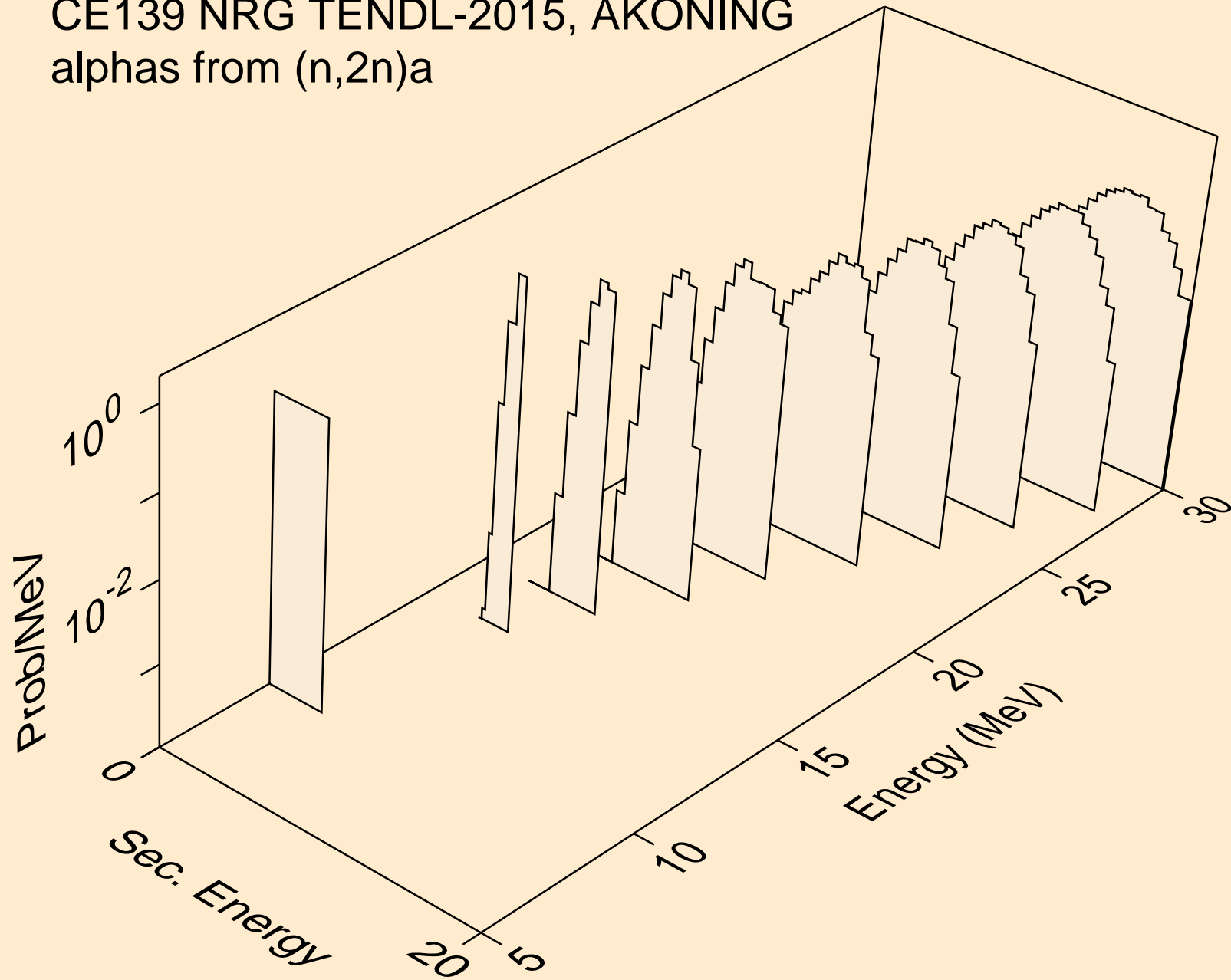
CE139 NRG TENDL-2015, AKONING  
alphas from (n,x)



CE139 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a

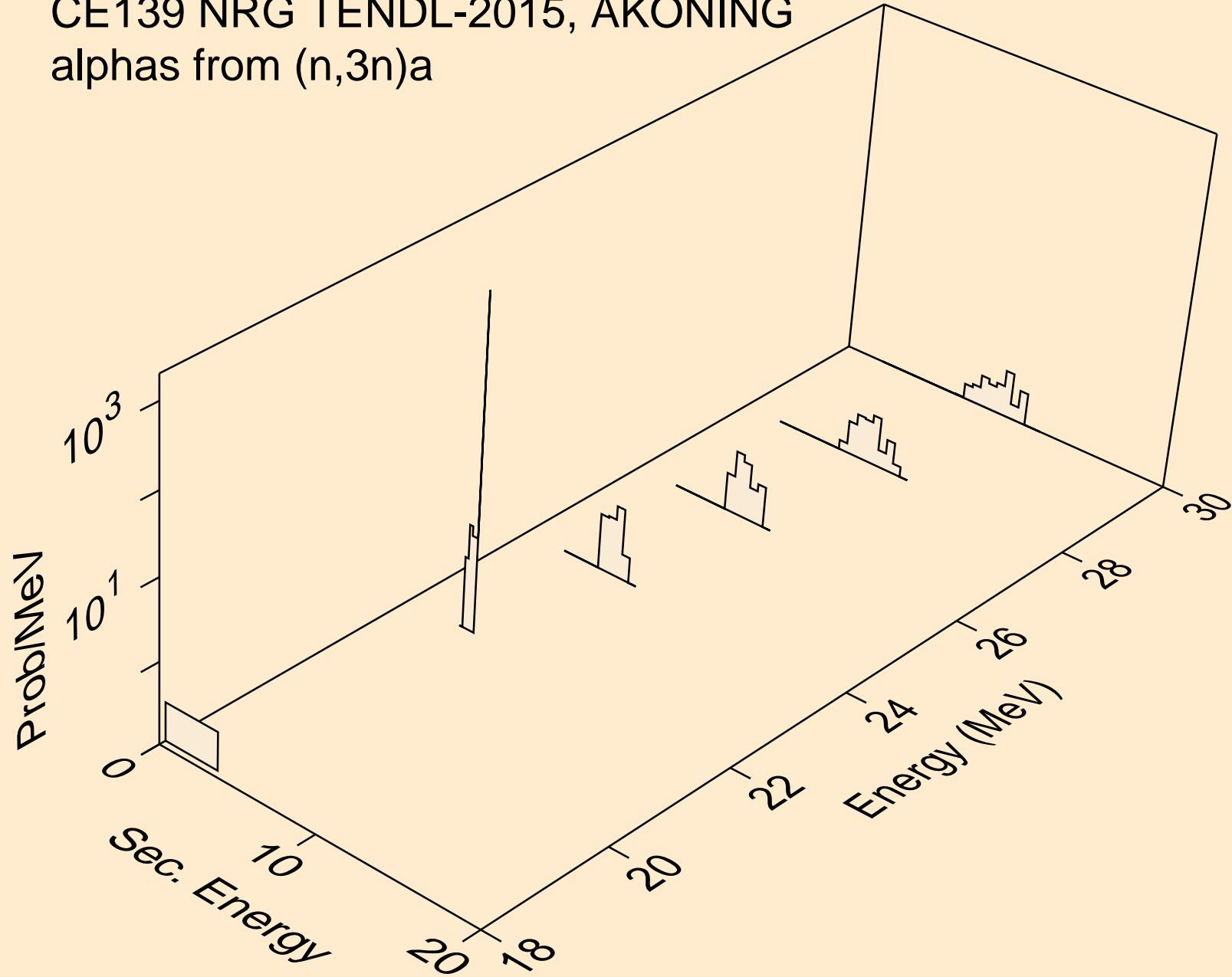


CE139 NRG TENDL-2015, AKONING  
alphas from (n,2n)a

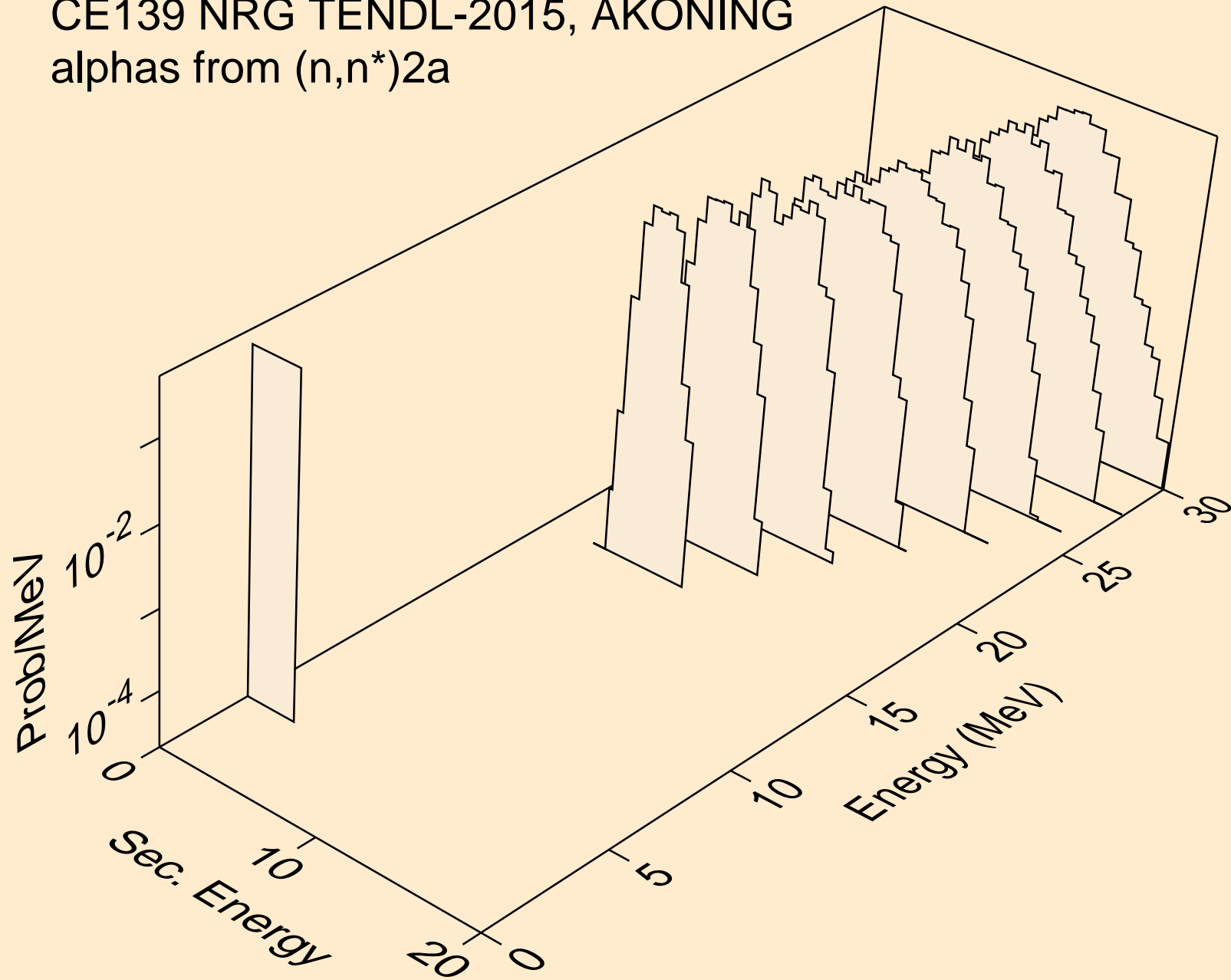




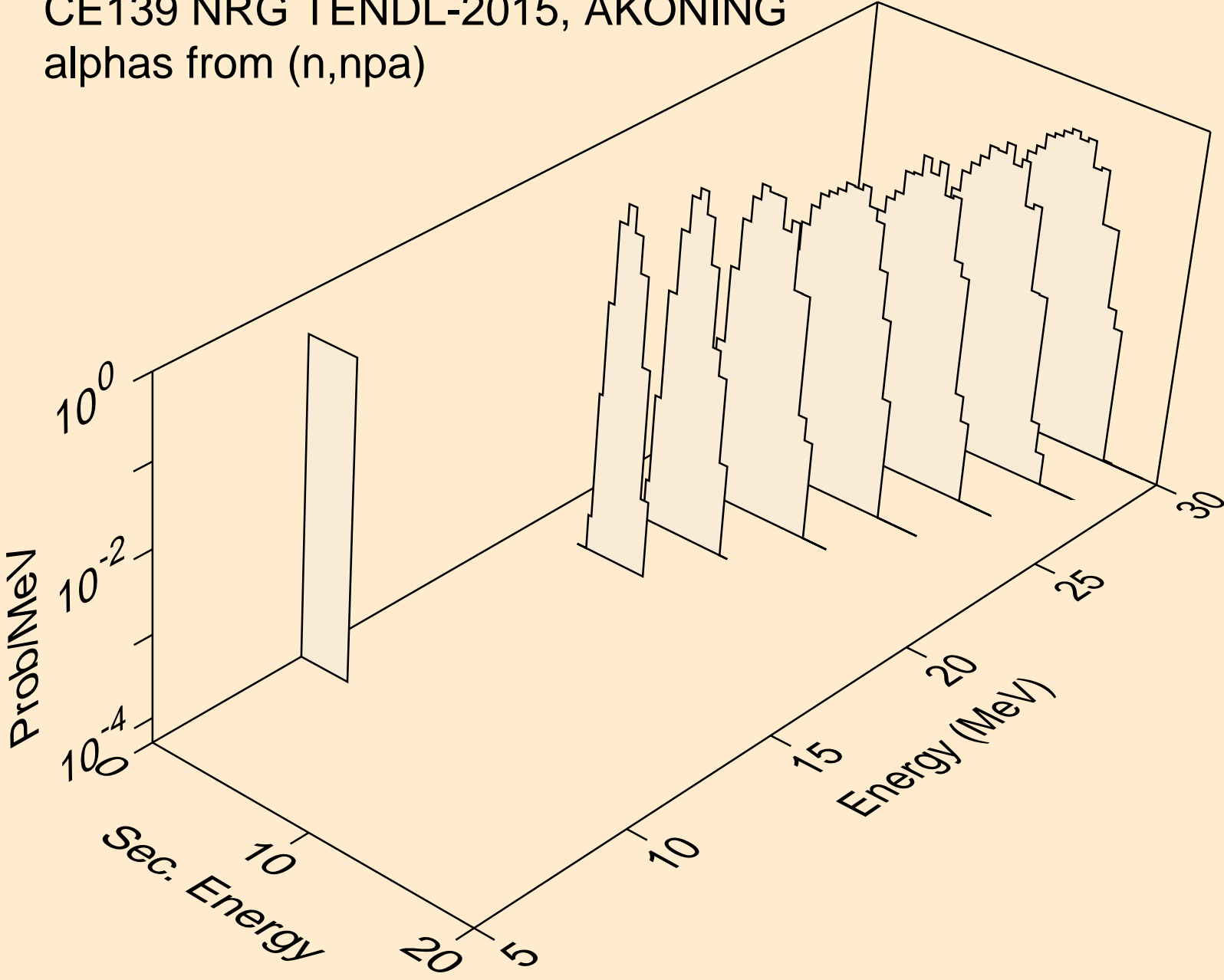
CE139 NRG TENDL-2015, AKONING  
alphas from (n,3n)a



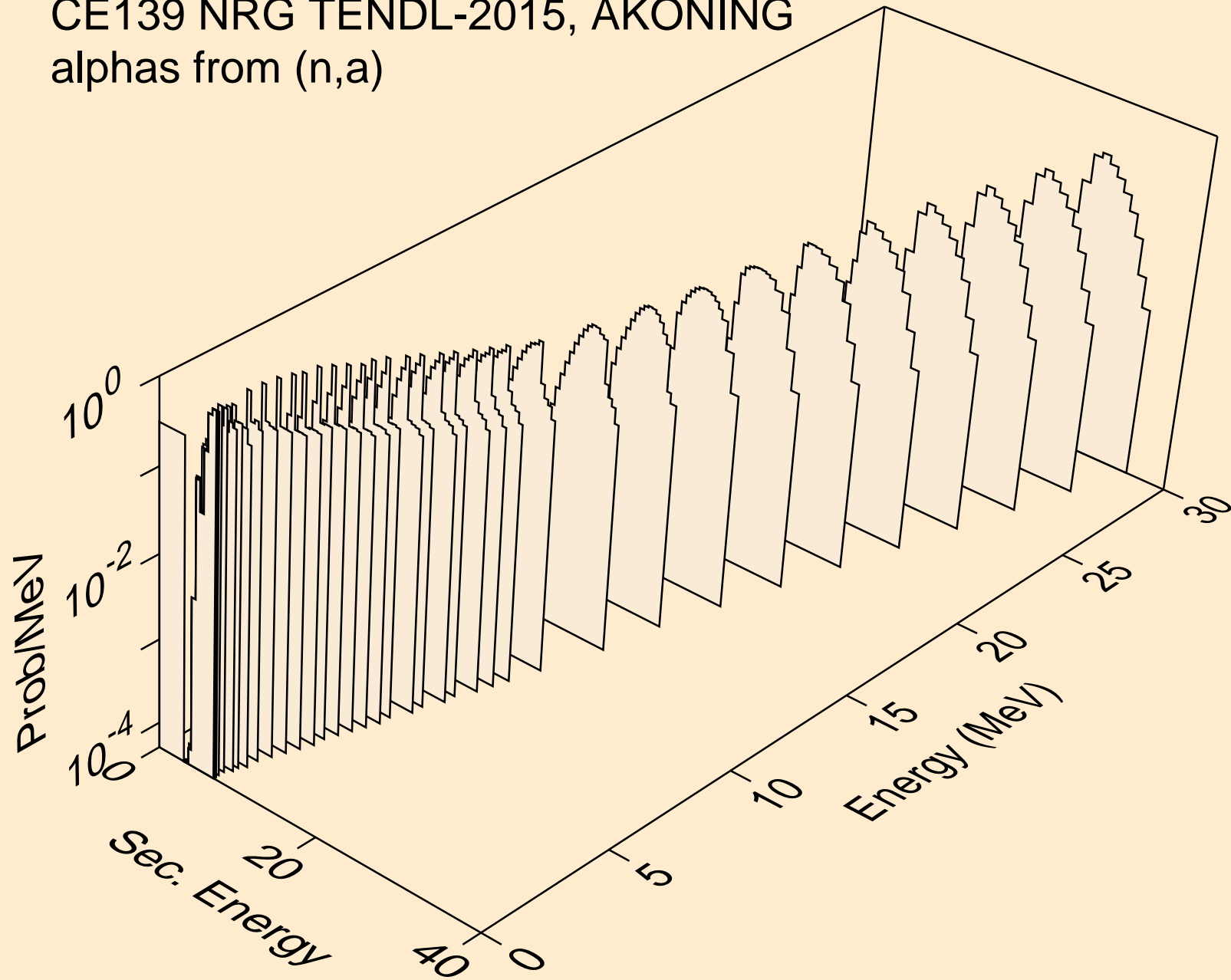
CE139 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



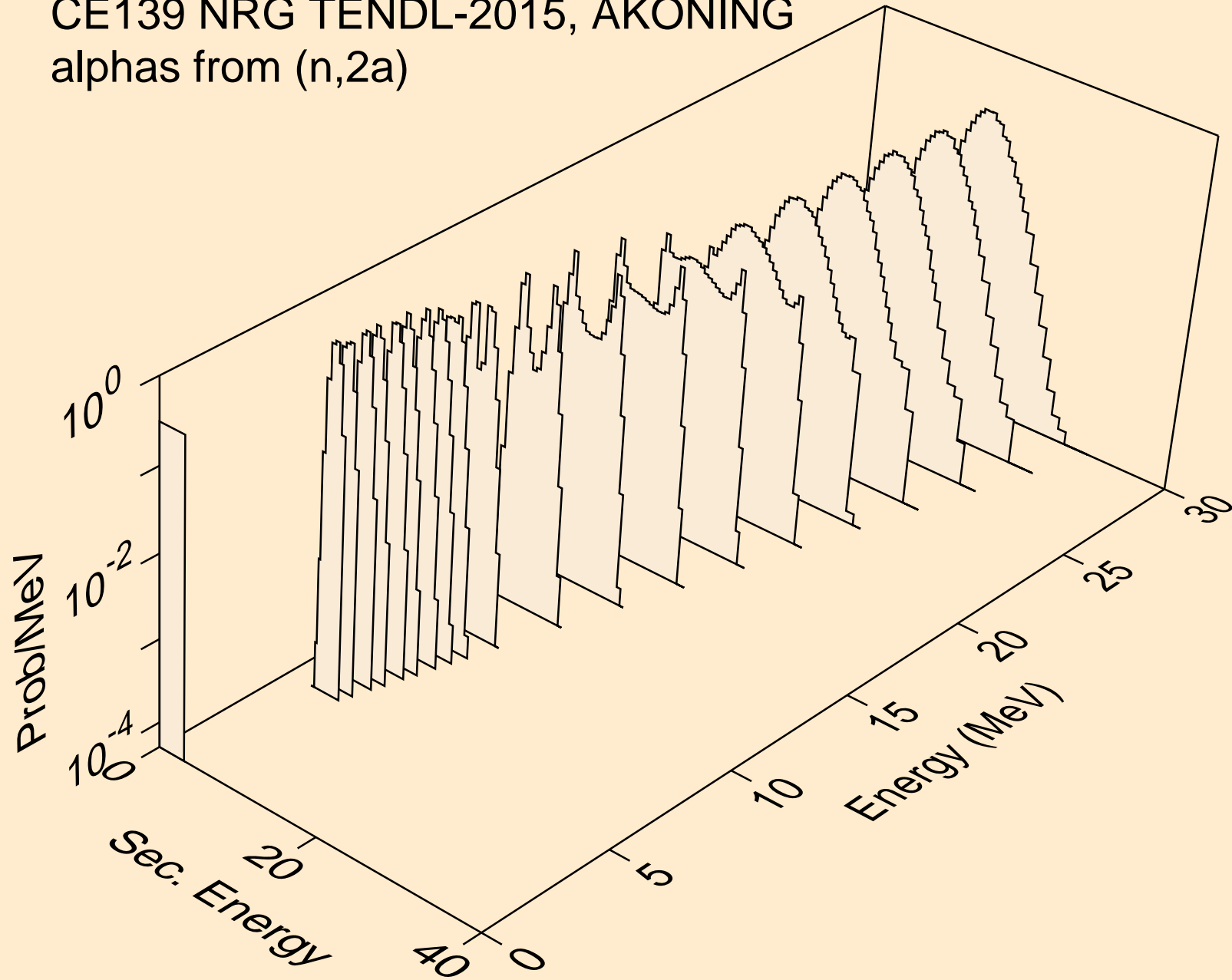
CE139 NRG TENDL-2015, AKONING  
alphas from (n,npa)



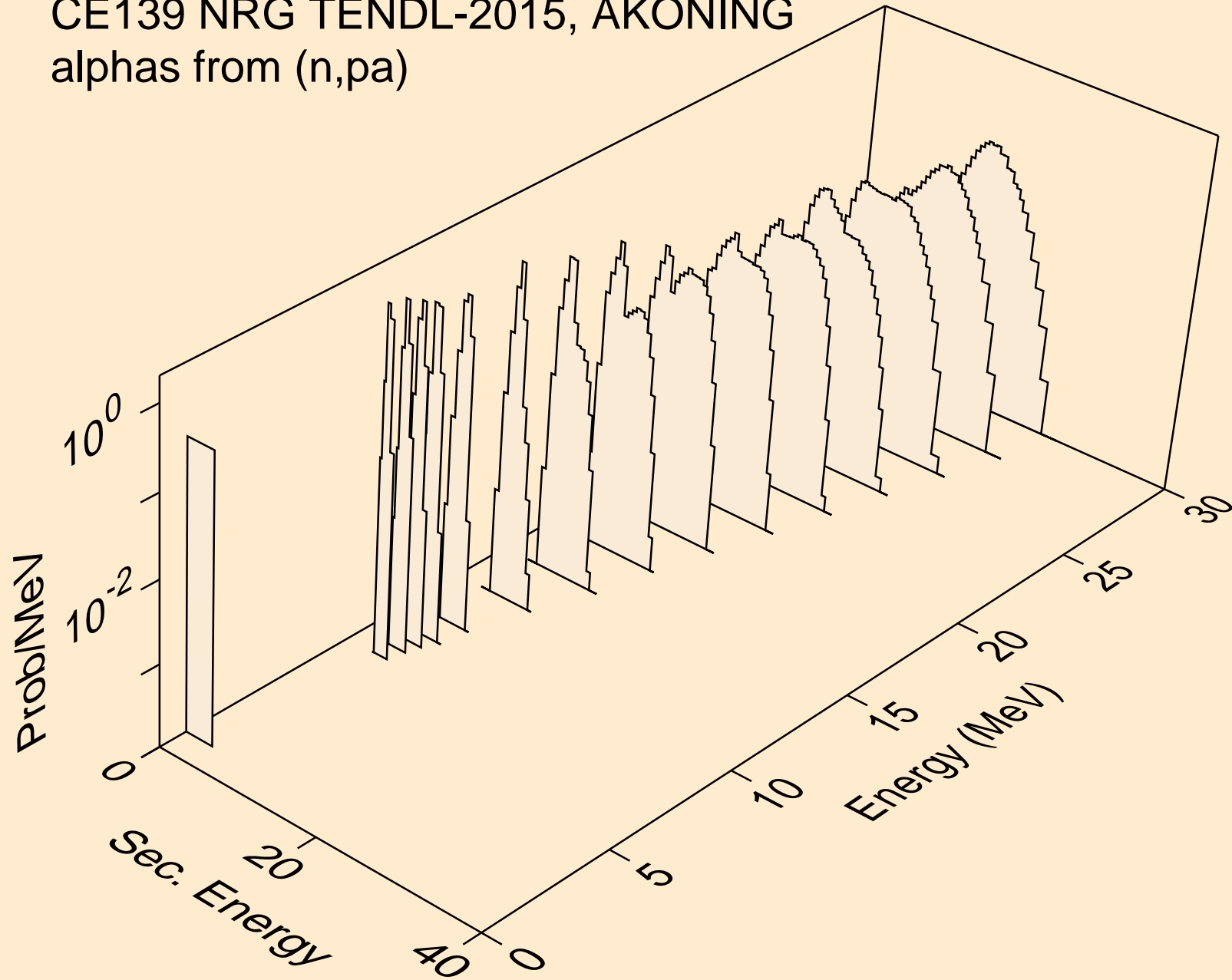
CE139 NRG TENDL-2015, AKONING  
alphas from (n,a)



CE139 NRG TENDL-2015, AKONING  
alphas from (n,2a)



CE139 NRG TENDL-2015, AKONING  
alphas from (n,pa)



CE139 NRG TENDL-2015, AKONING  
alphas from (n,da)

