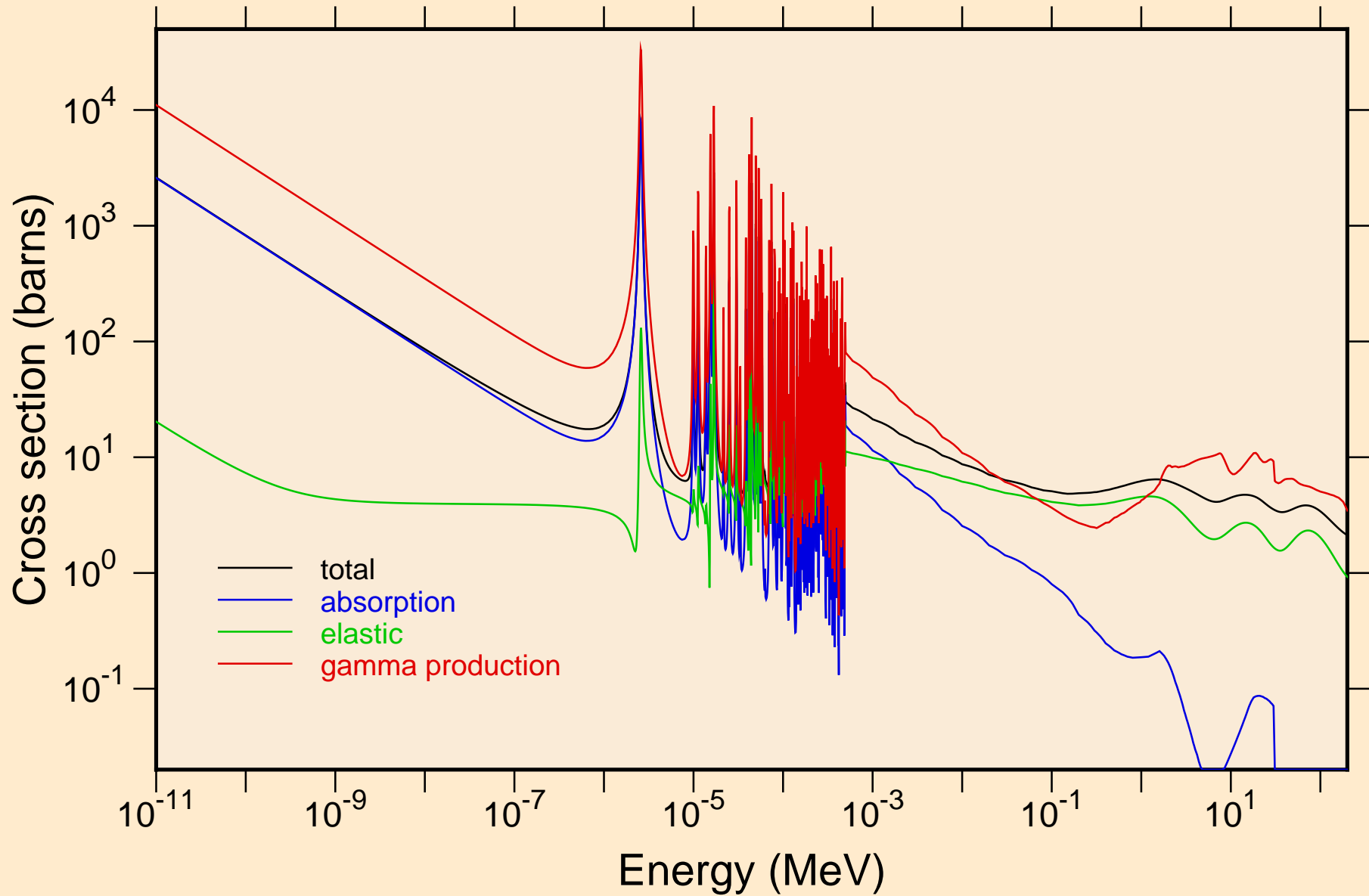
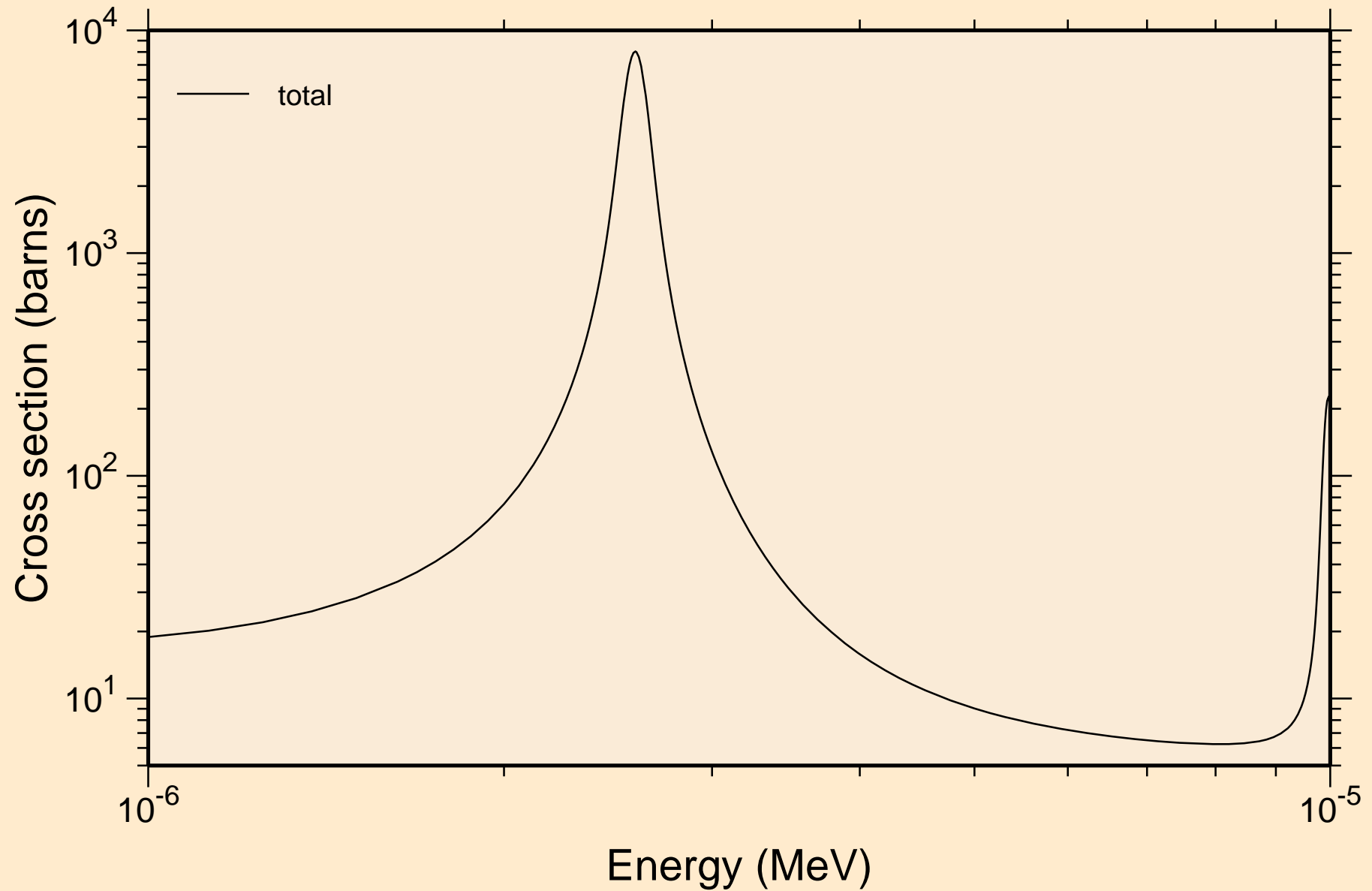


# CS130 NRG TENDL-2015, AKONING

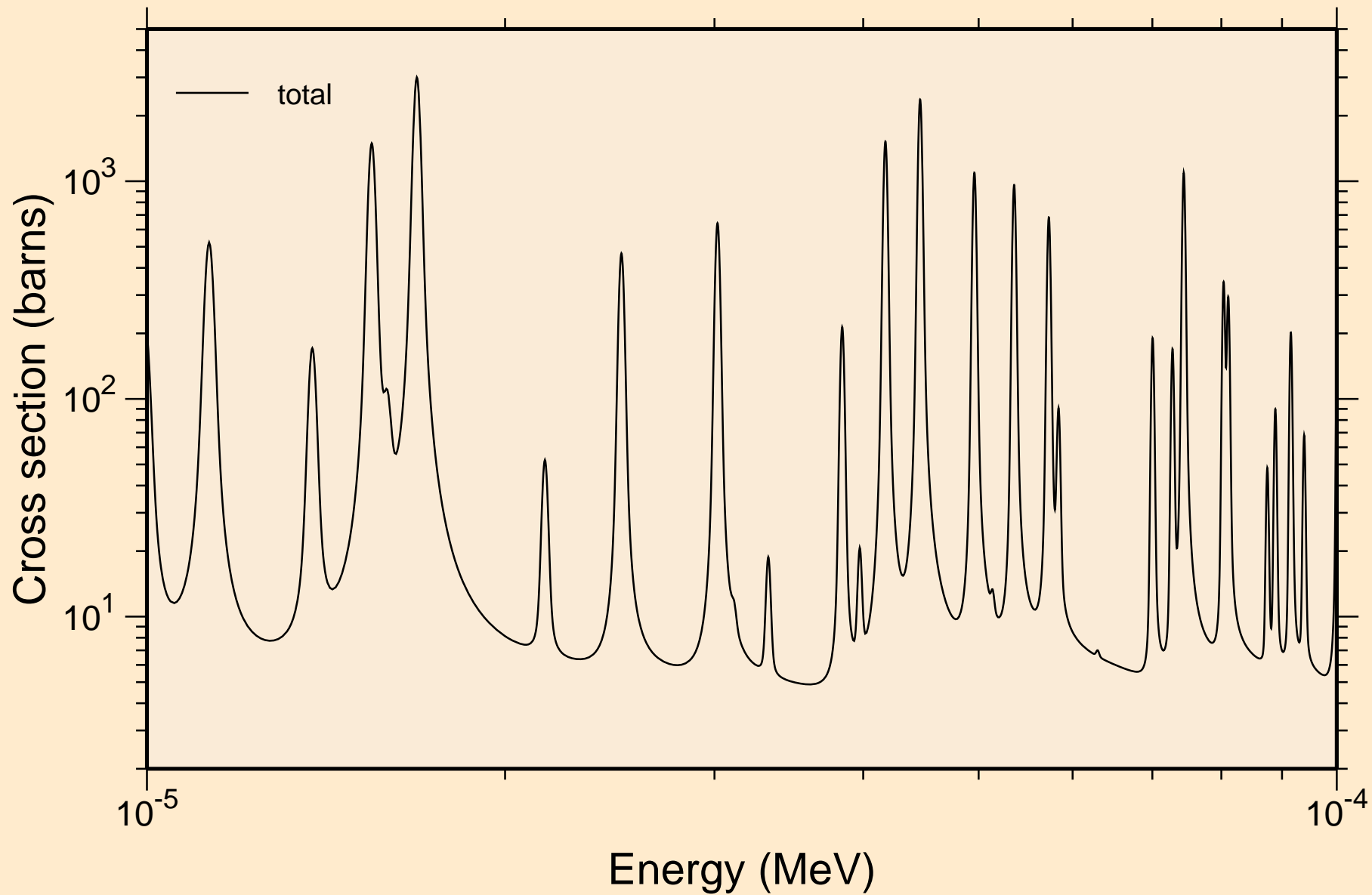
## Principal cross sections



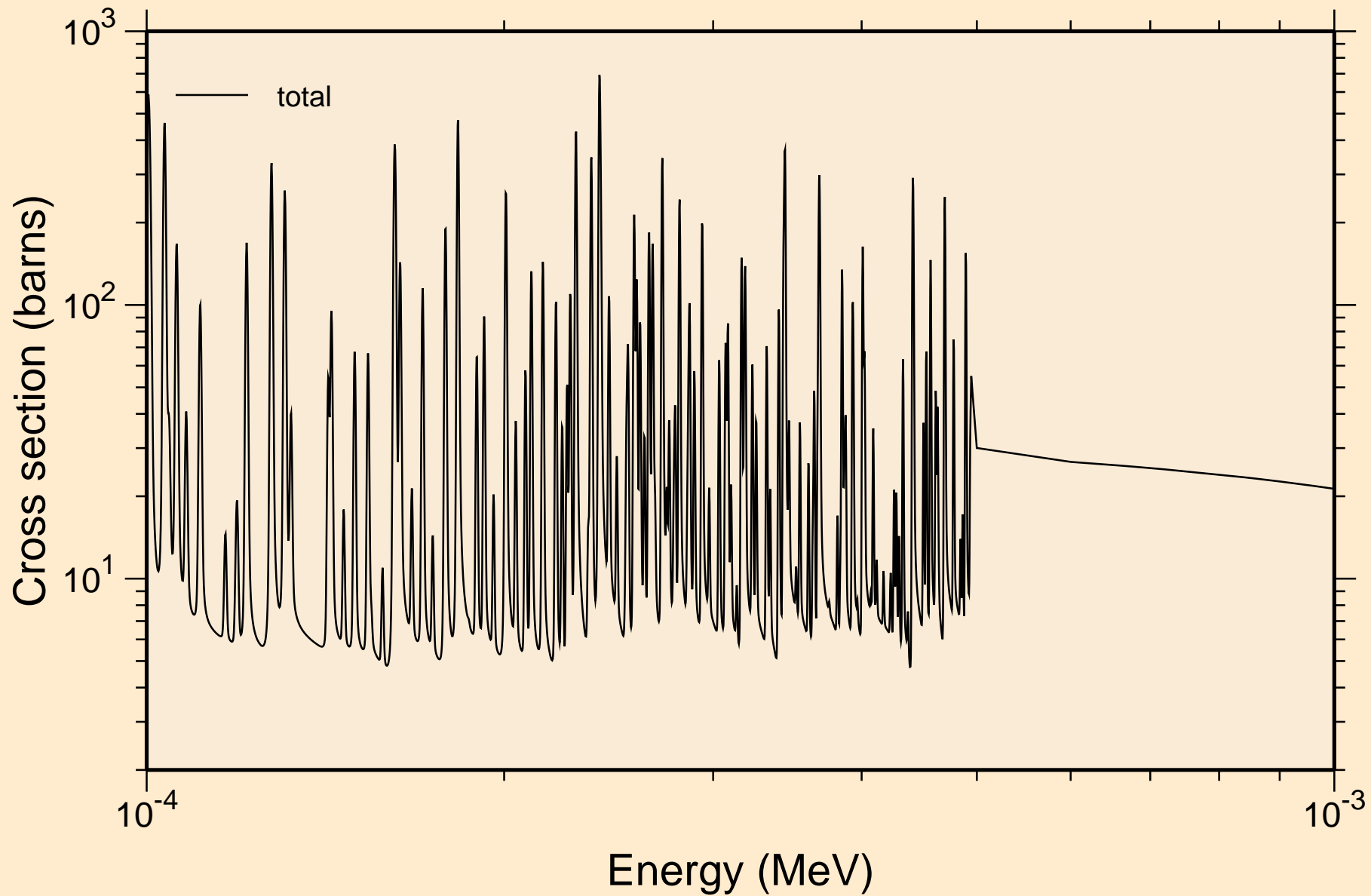
CS130 NRG TENDL-2015, AKONING  
resonance total cross section



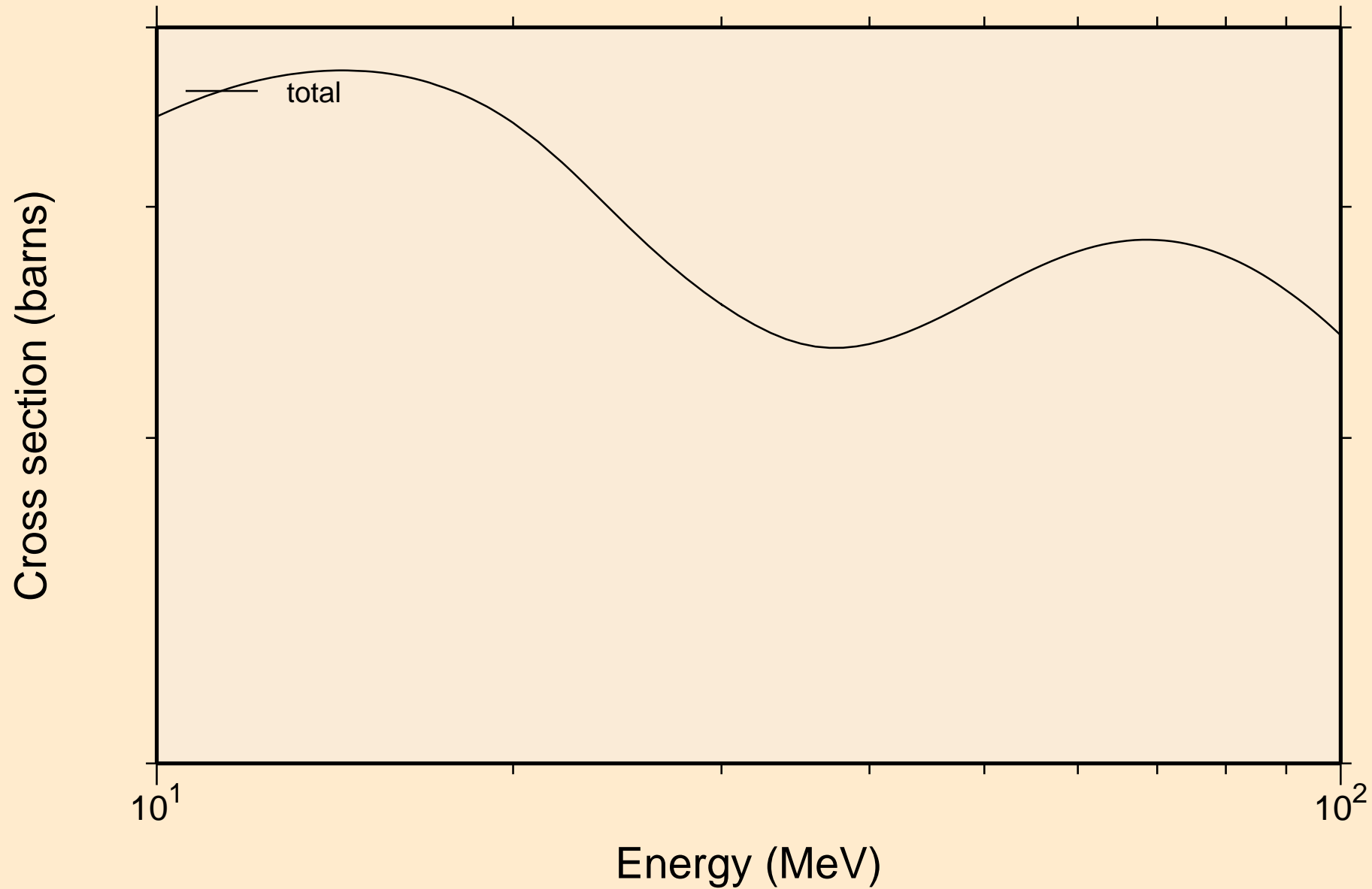
CS130 NRG TENDL-2015, AKONING  
resonance total cross section



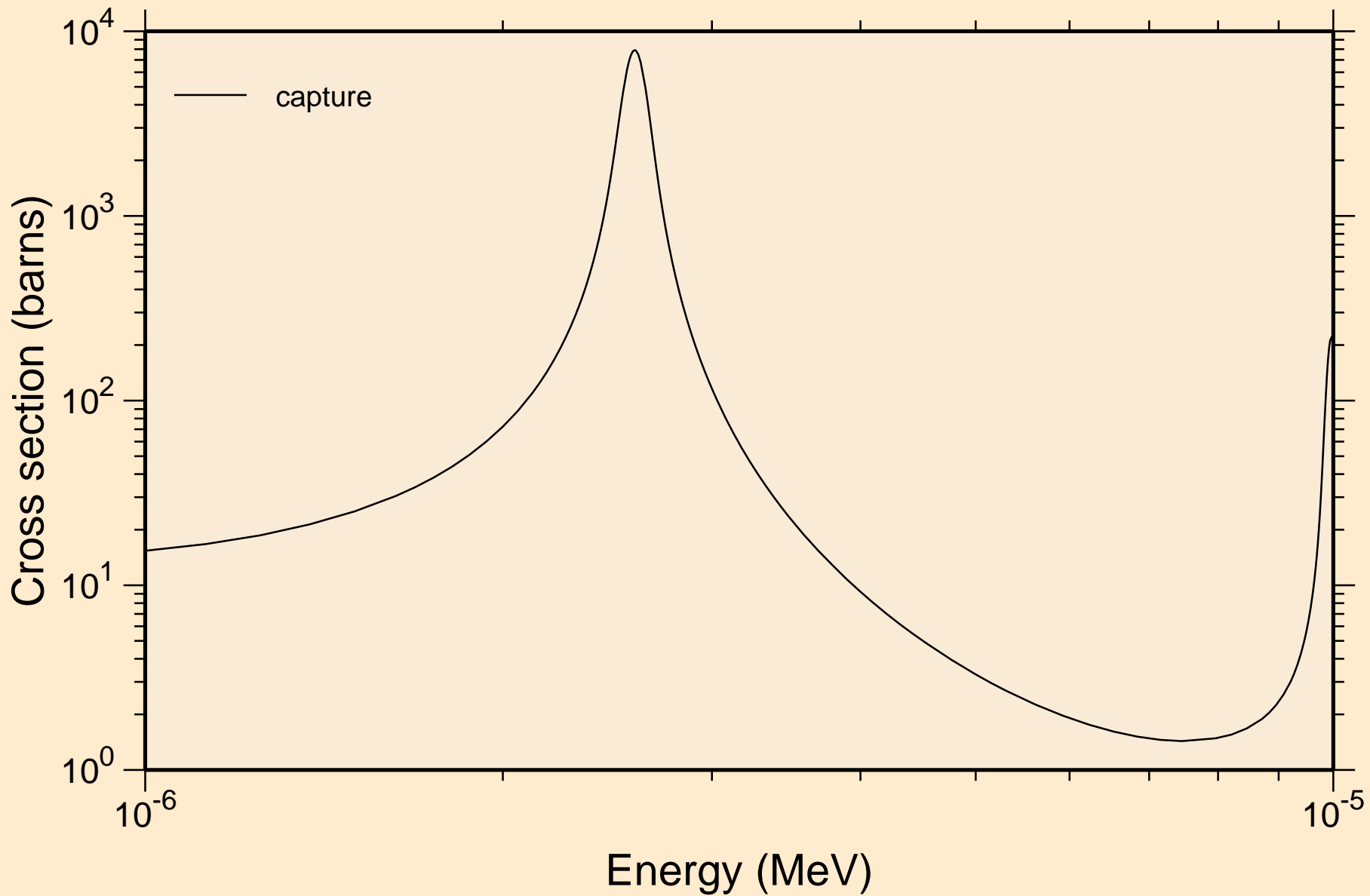
CS130 NRG TENDL-2015, AKONING  
resonance total cross section



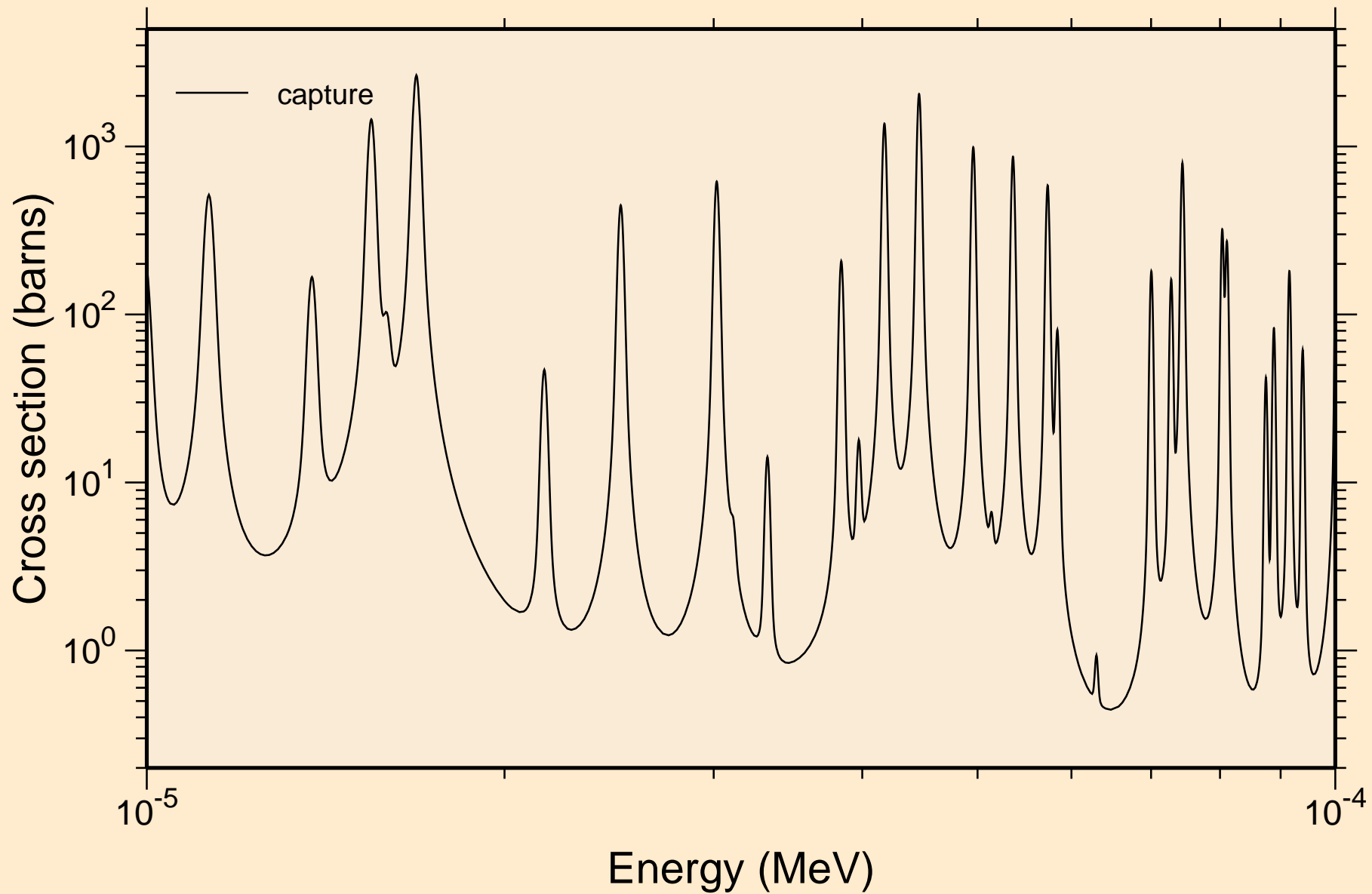
C<sup>13</sup> NRG TENDL-2015, AKONING  
resonance total cross section



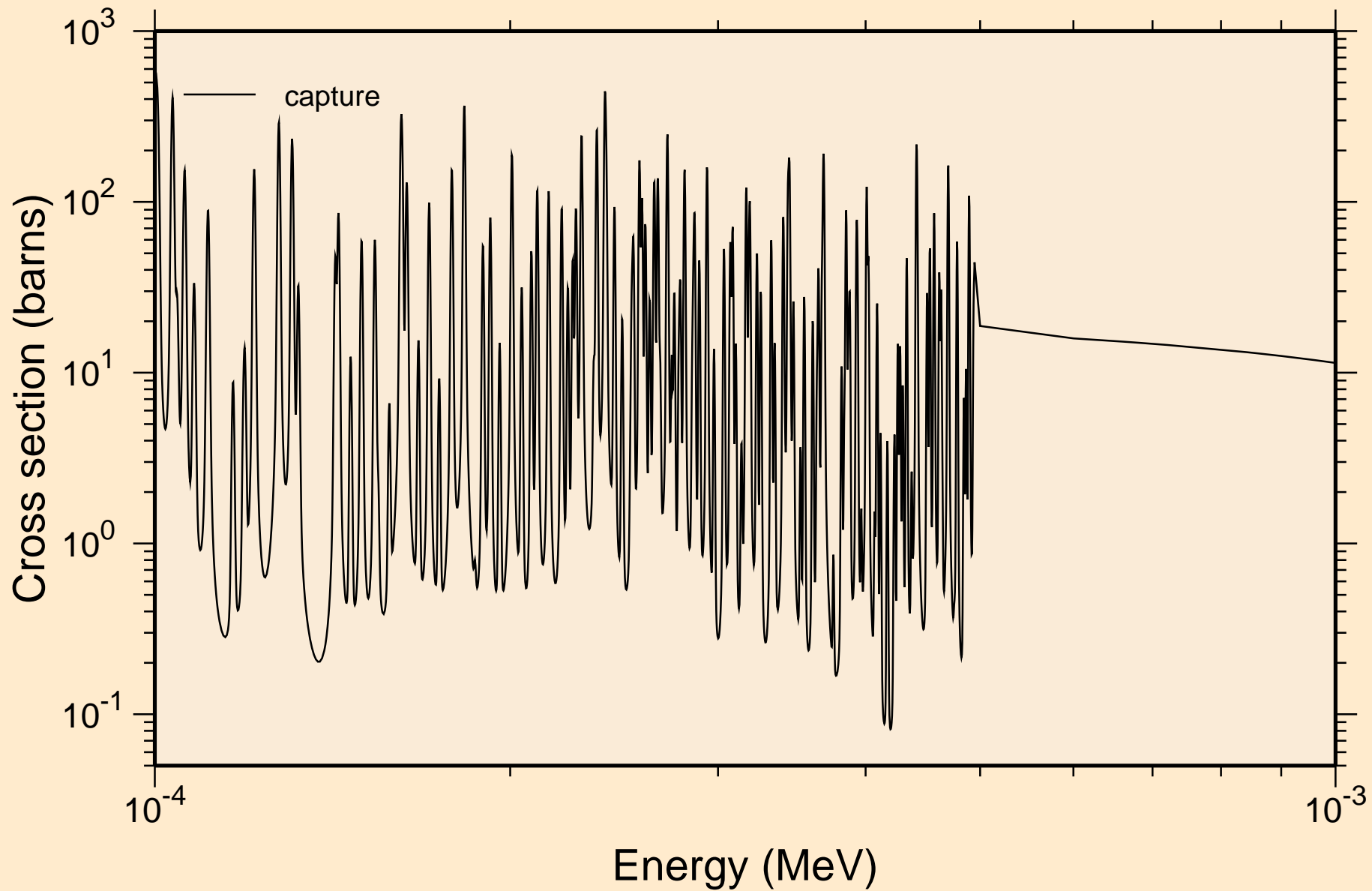
# CS130 NRG TENDL-2015, AKONING resonance absorption cross sections



CS130 NRG TENDL-2015, AKONING  
resonance absorption cross sections

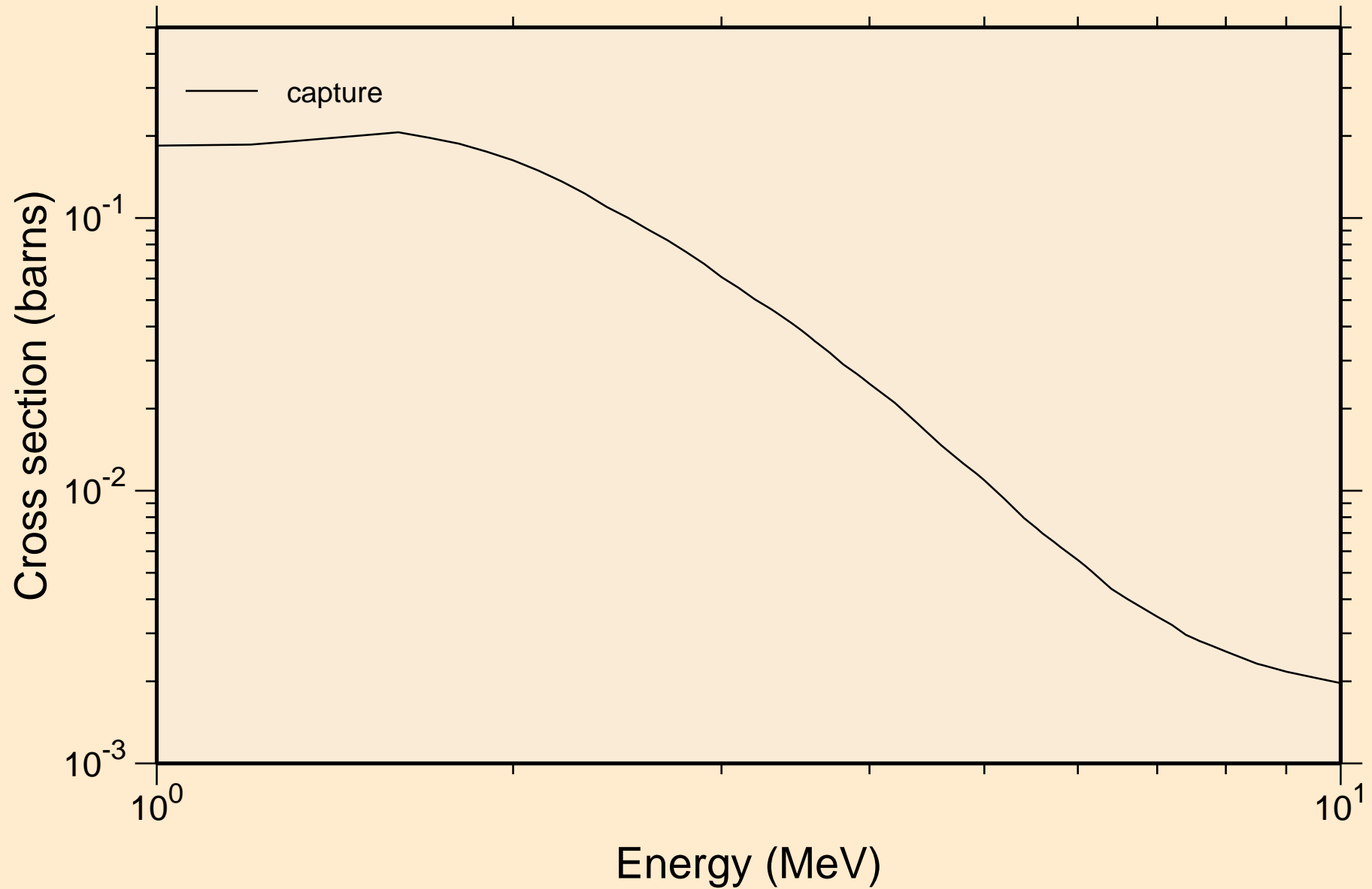


CS130 NRG TENDL-2015, AKONING  
resonance absorption cross sections



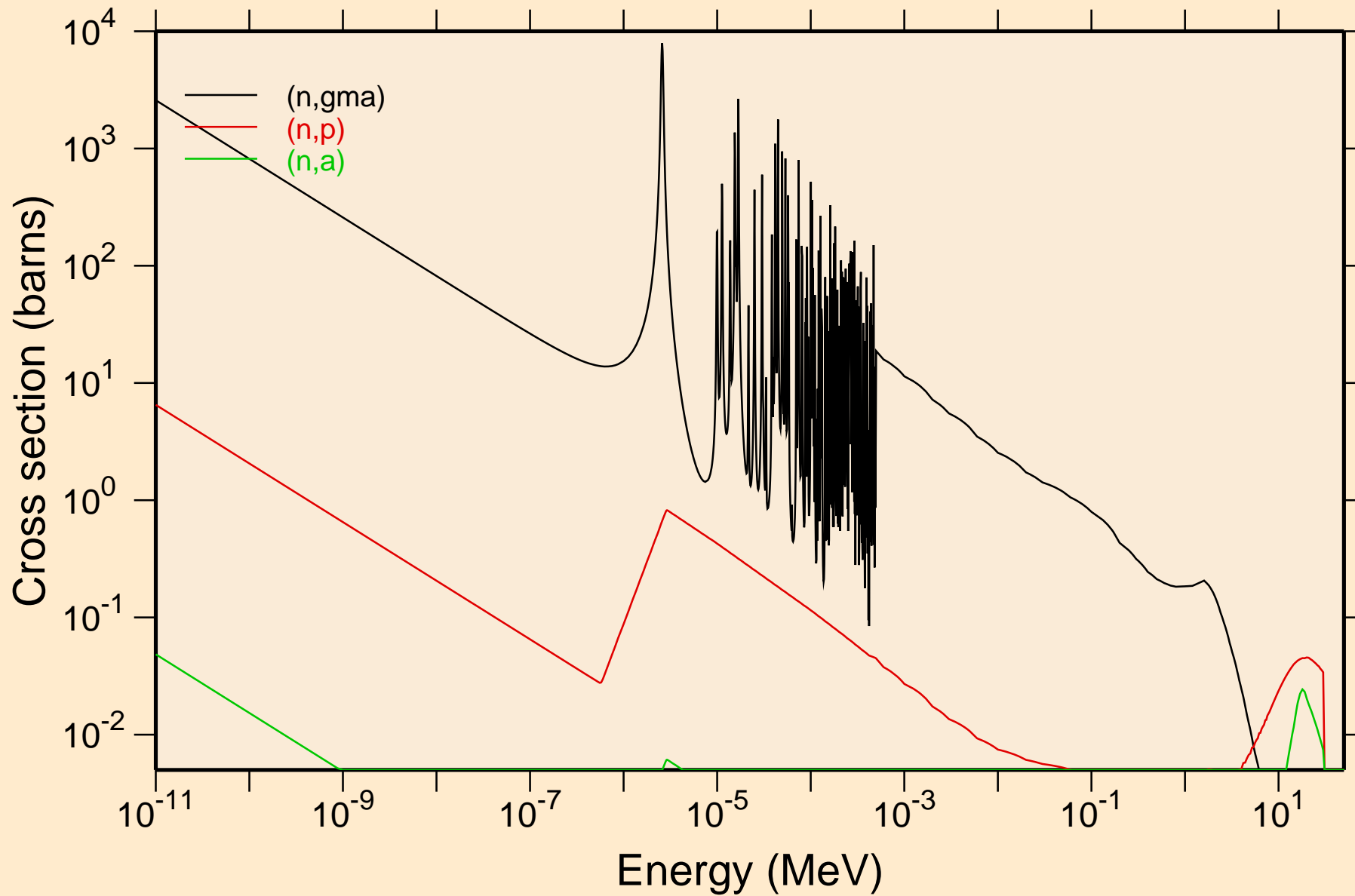


CS130 NRG TENDL-2015, AKONING  
resonance absorption cross sections



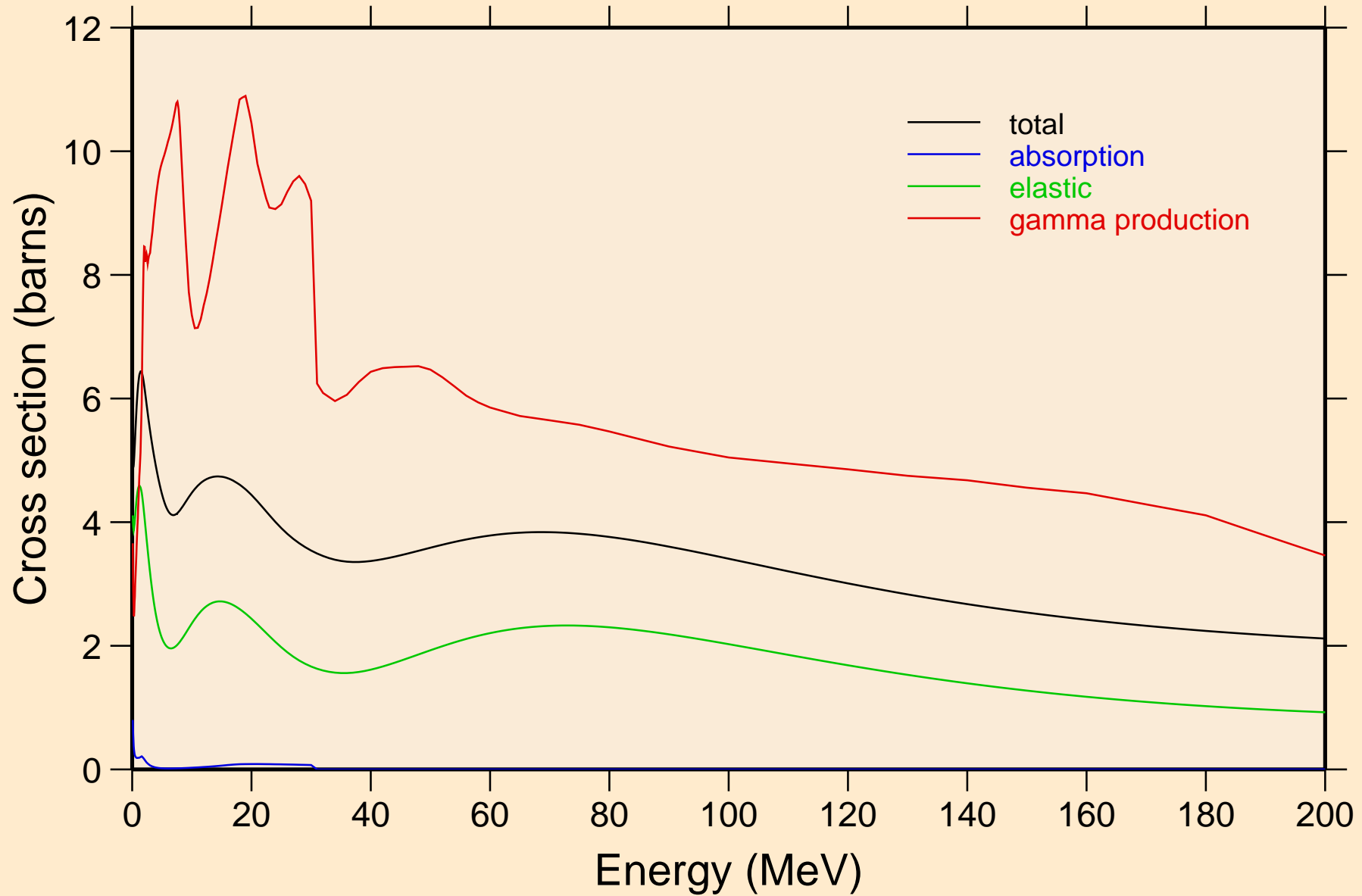
# CS130 NRG TENDL-2015, AKONING

## Non-threshold reactions



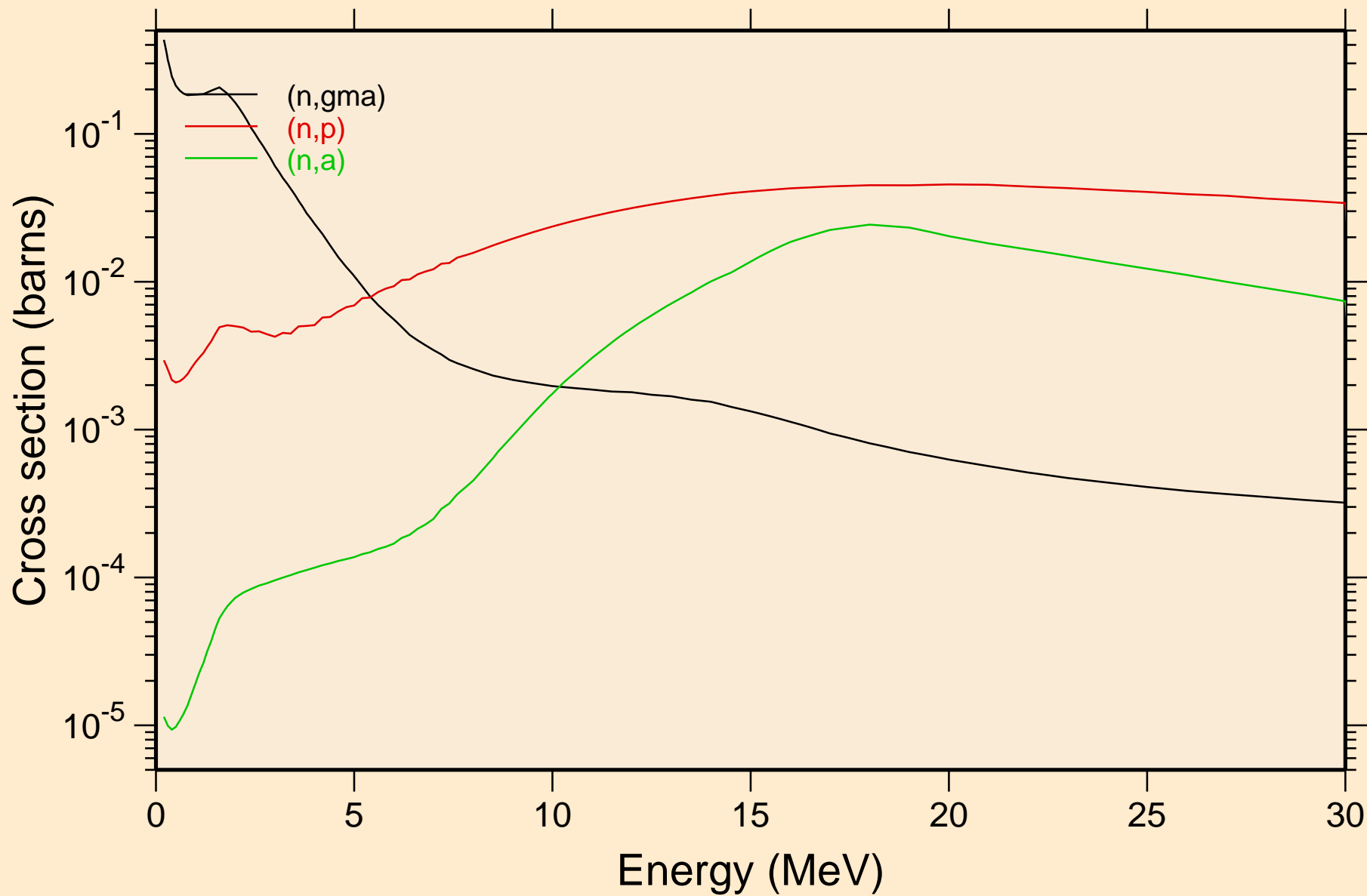
# CS130 NRG TENDL-2015, AKONING

## Principal cross sections



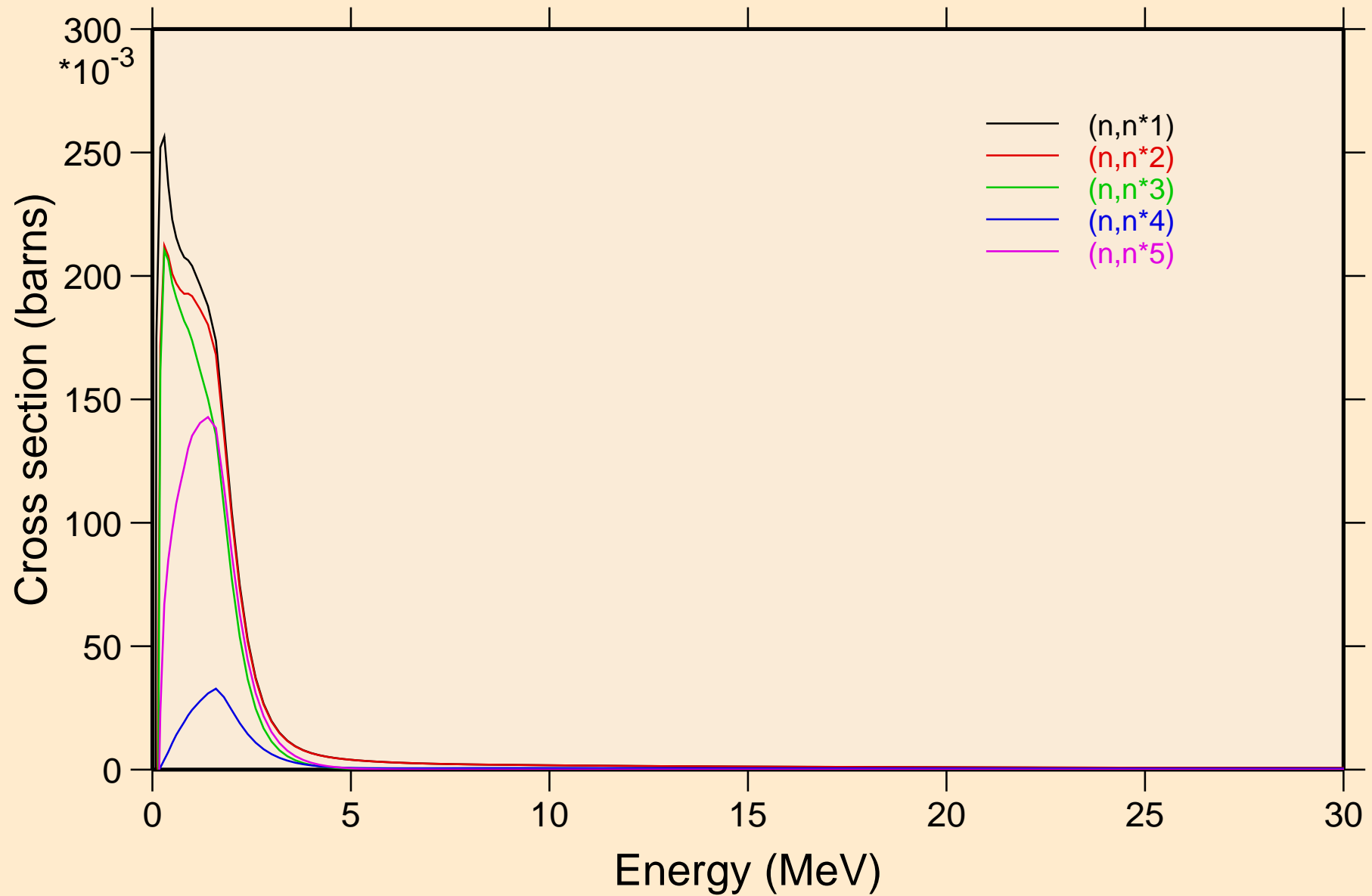
# CS130 NRG TENDL-2015, AKONING

## Non-threshold reactions



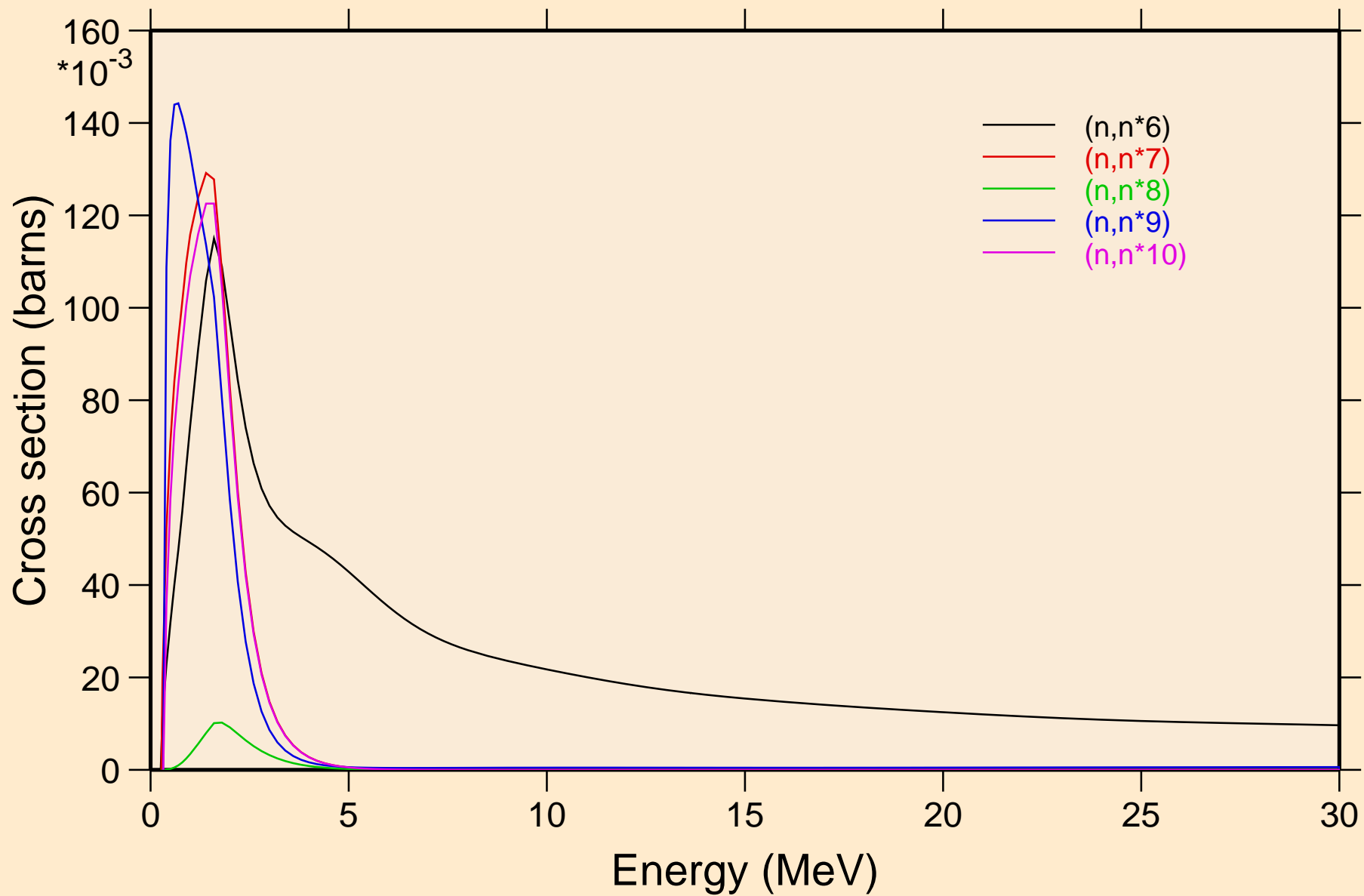
# CS130 NRG TENDL-2015, AKONING

## Inelastic levels



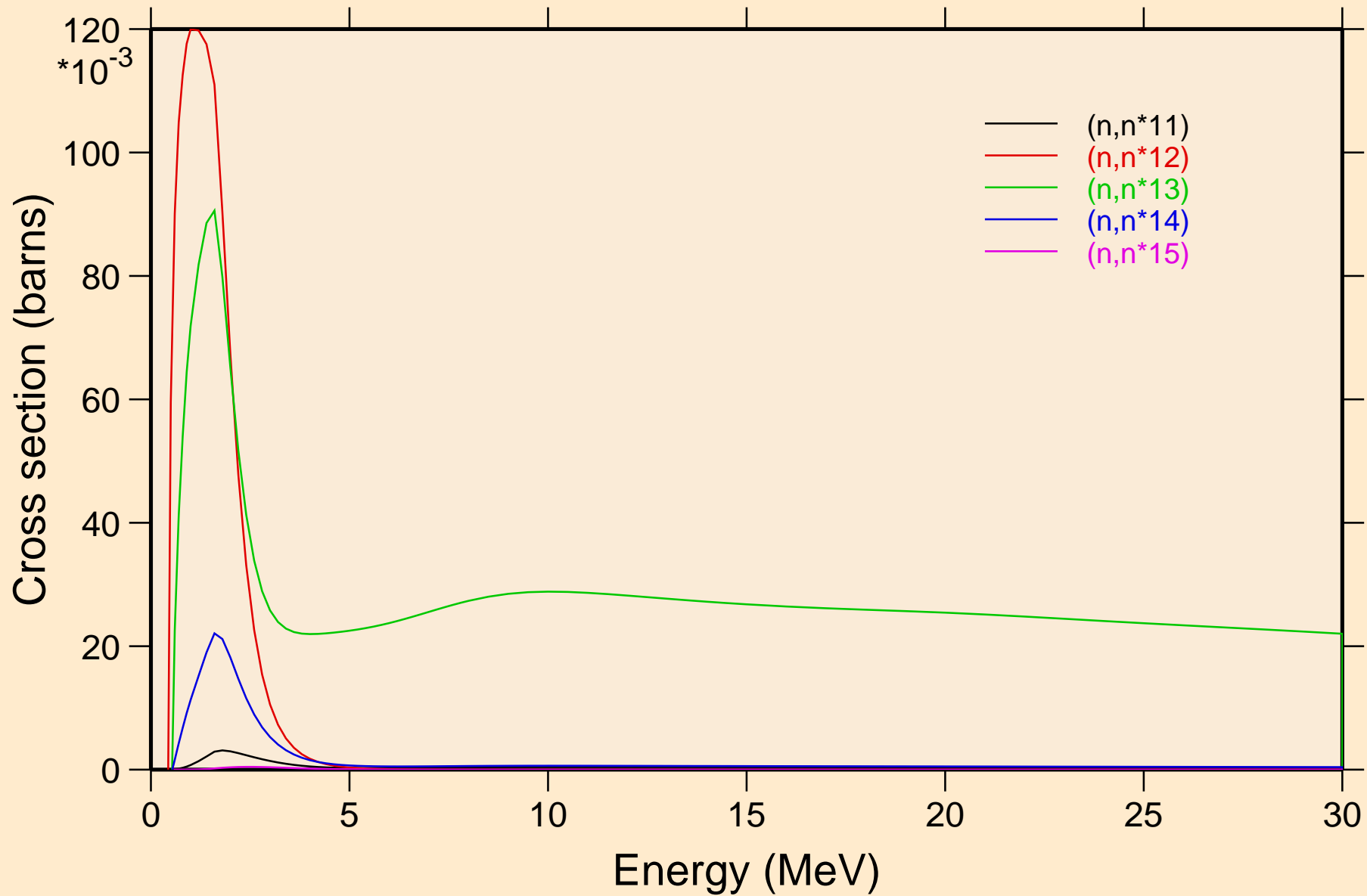
# CS130 NRG TENDL-2015, AKONING

## Inelastic levels



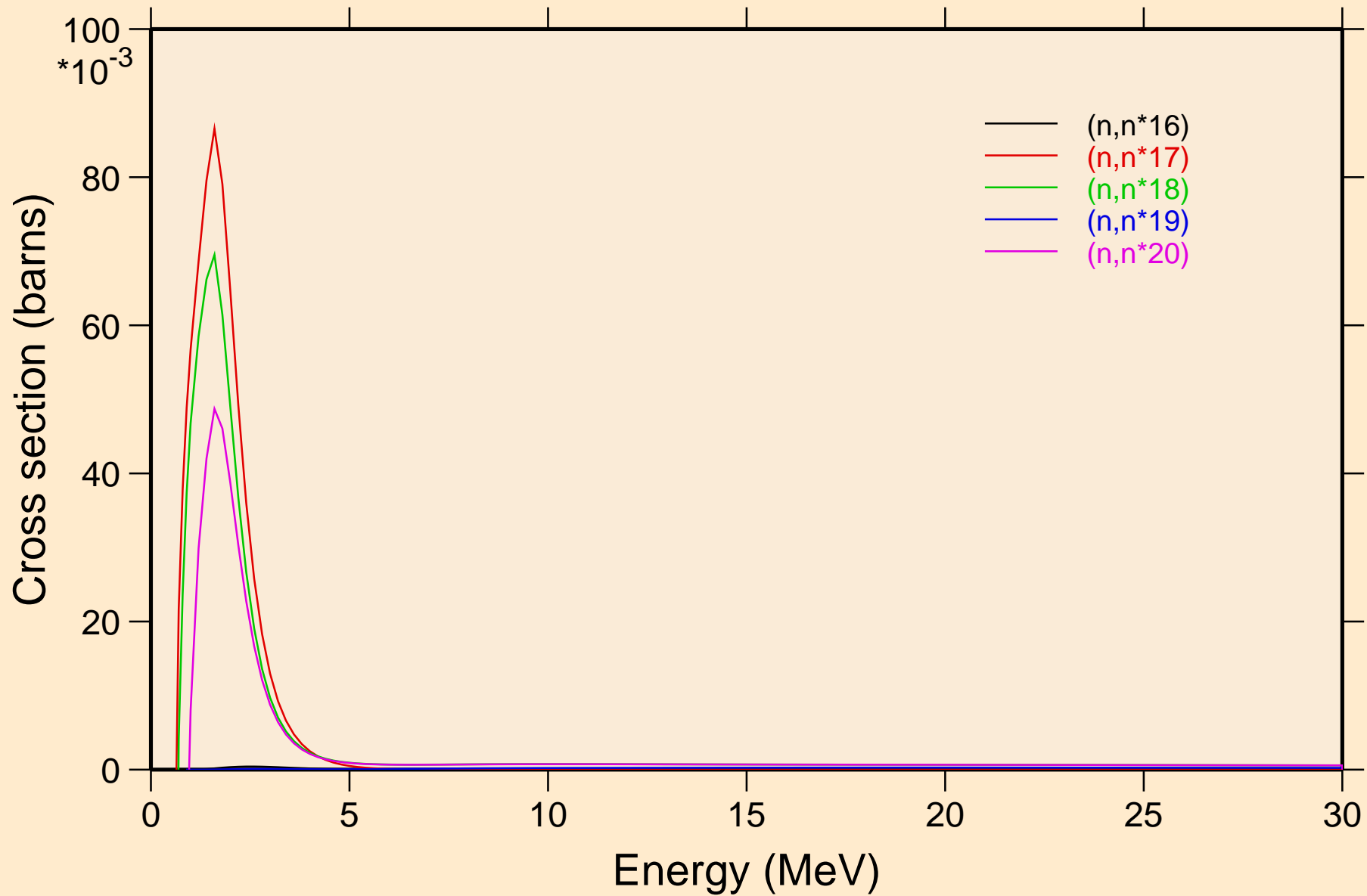
# CS130 NRG TENDL-2015, AKONING

## Inelastic levels



# CS130 NRG TENDL-2015, AKONING

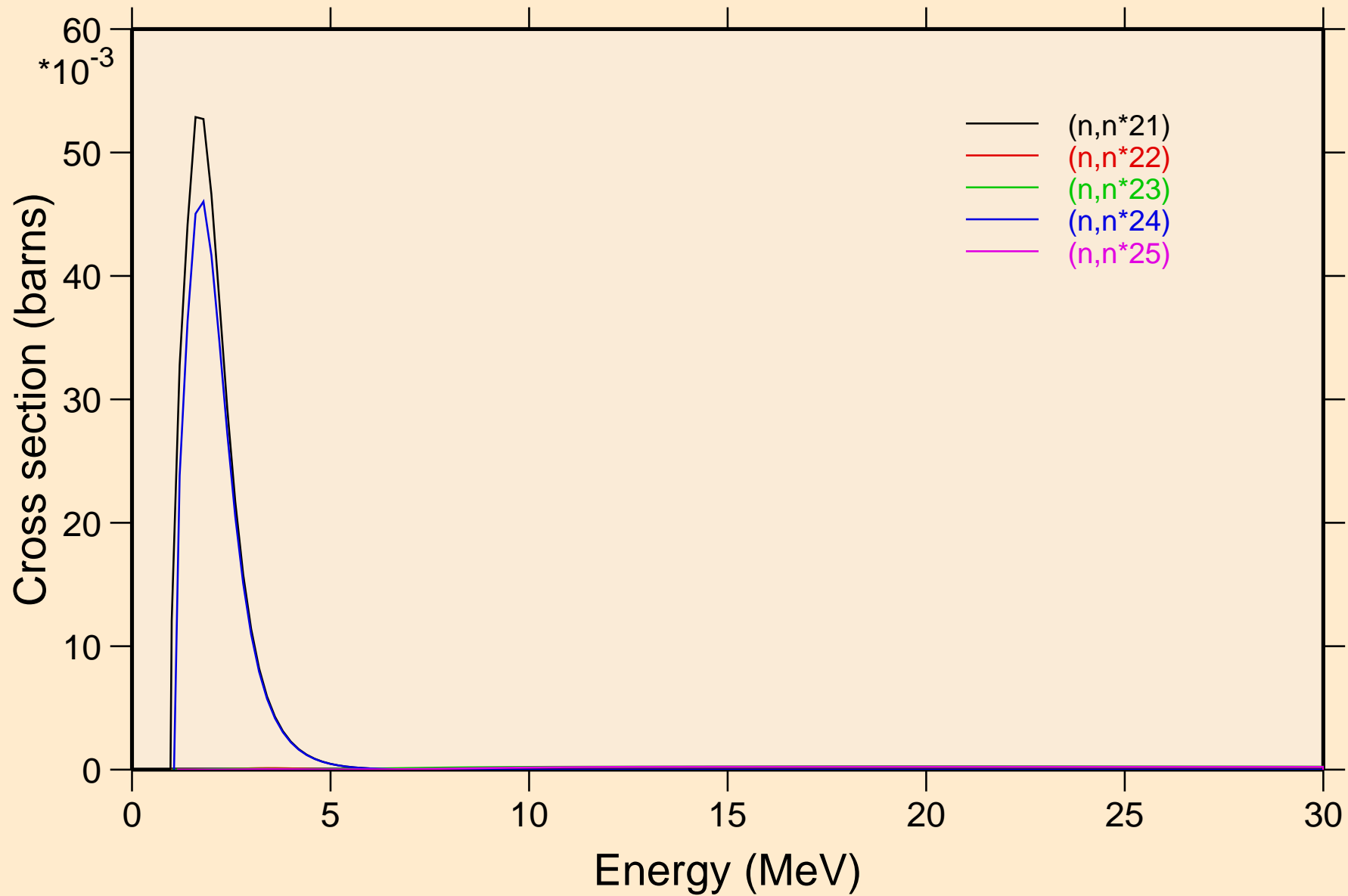
## Inelastic levels





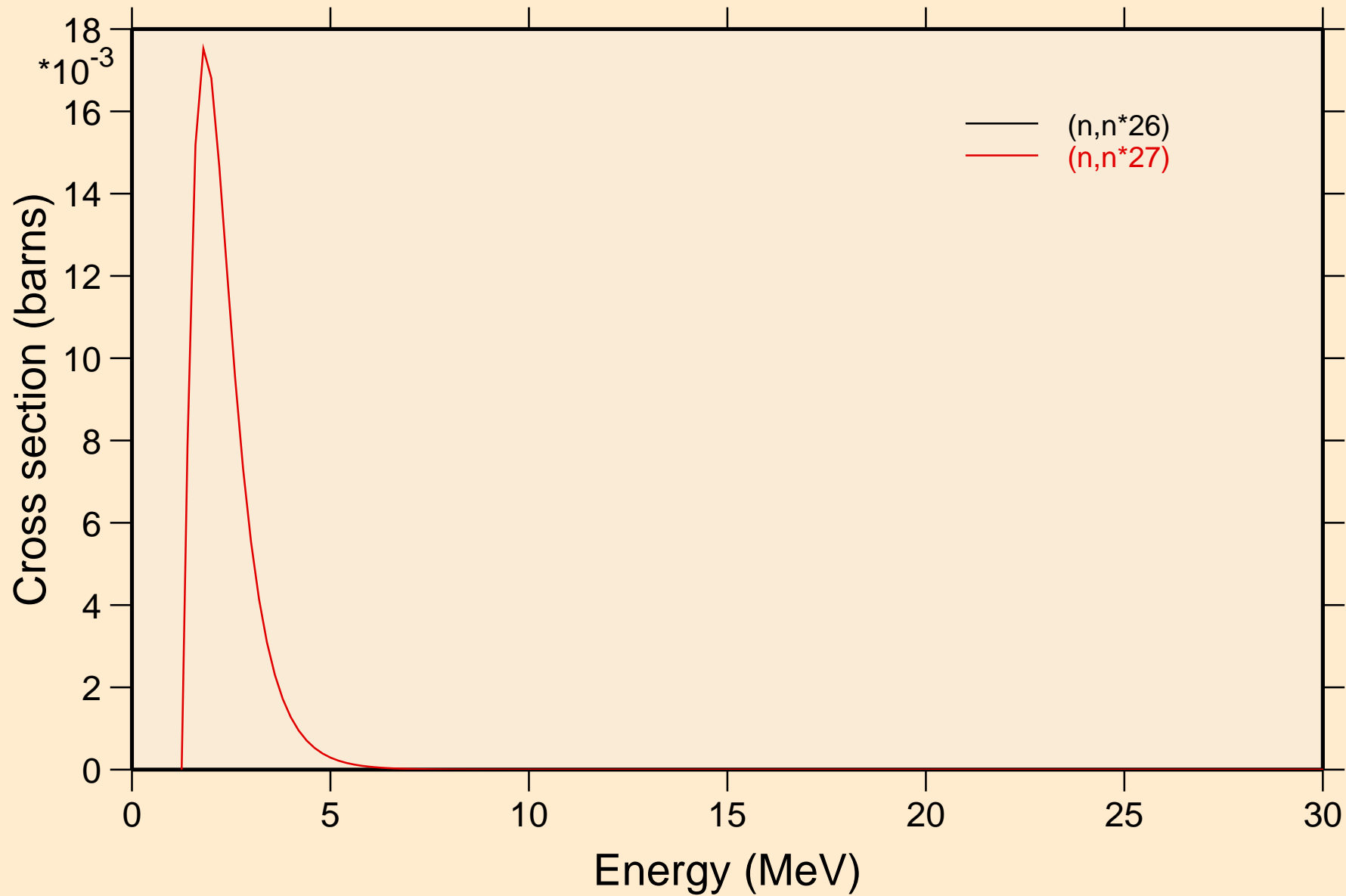
# CS130 NRG TENDL-2015, AKONING

## Inelastic levels



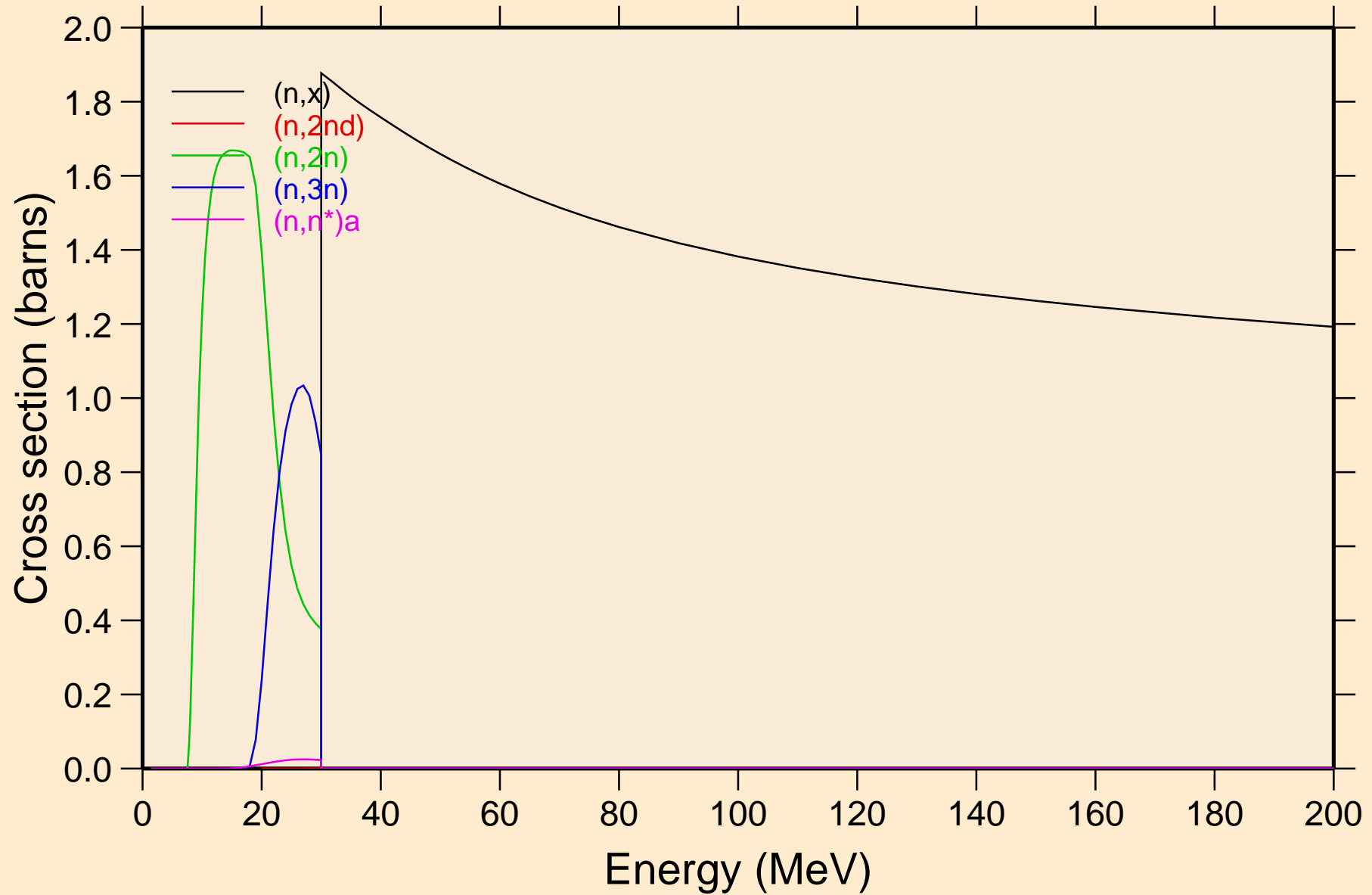
# CS130 NRG TENDL-2015, AKONING

## Inelastic levels



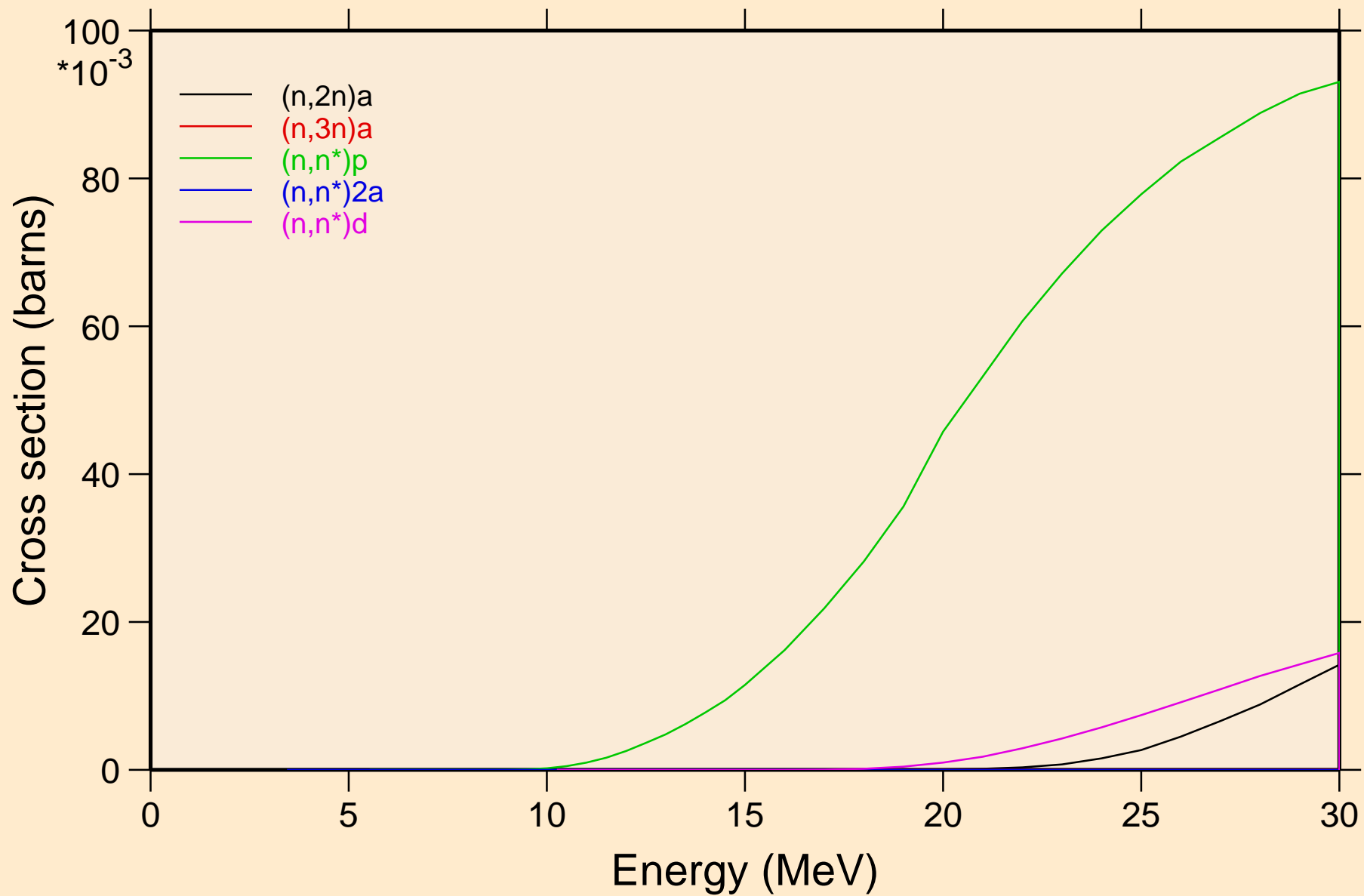
# CS130 NRG TENDL-2015, AKONING

## Threshold reactions



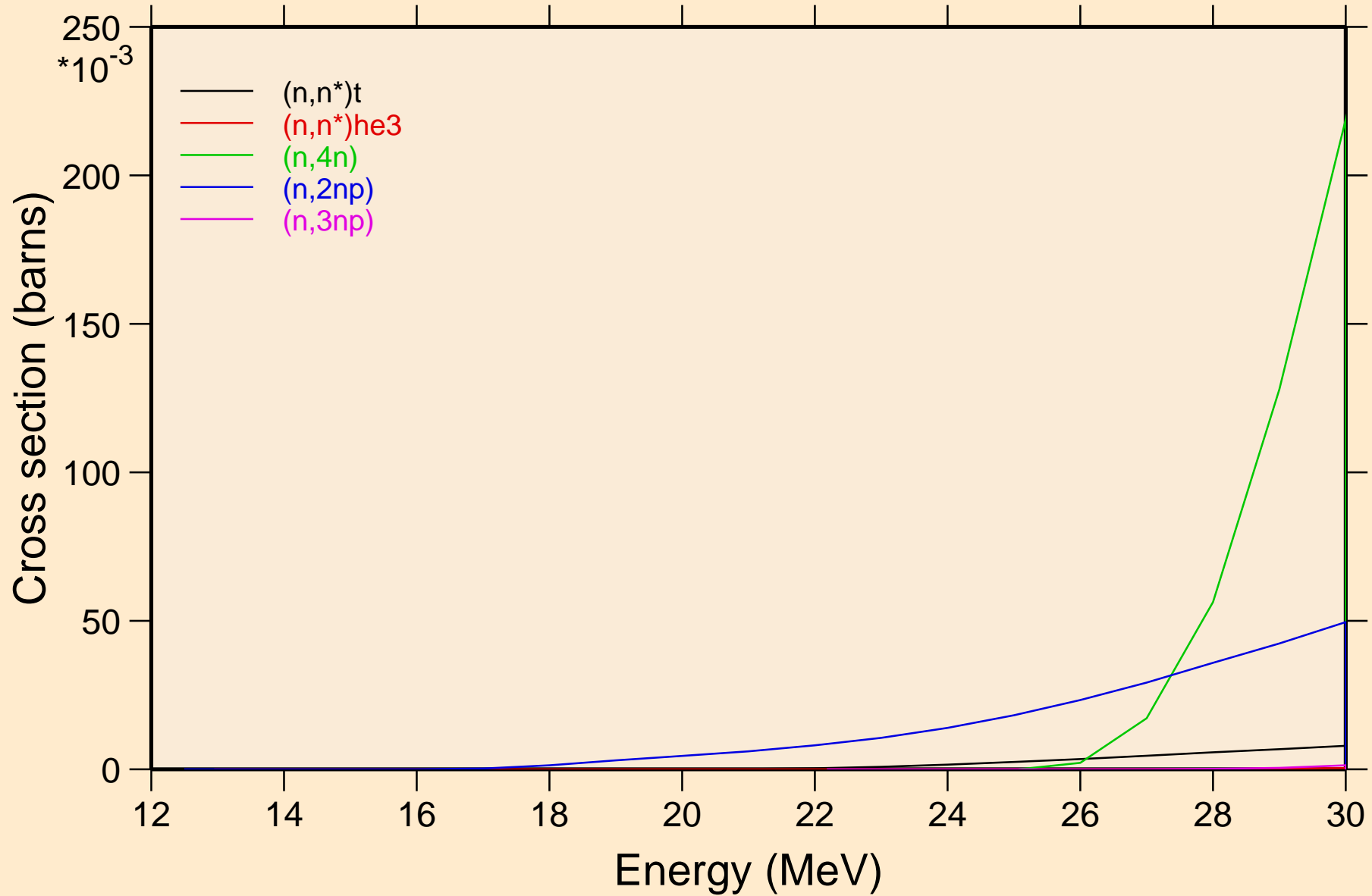
# CS130 NRG TENDL-2015, AKONING

## Threshold reactions



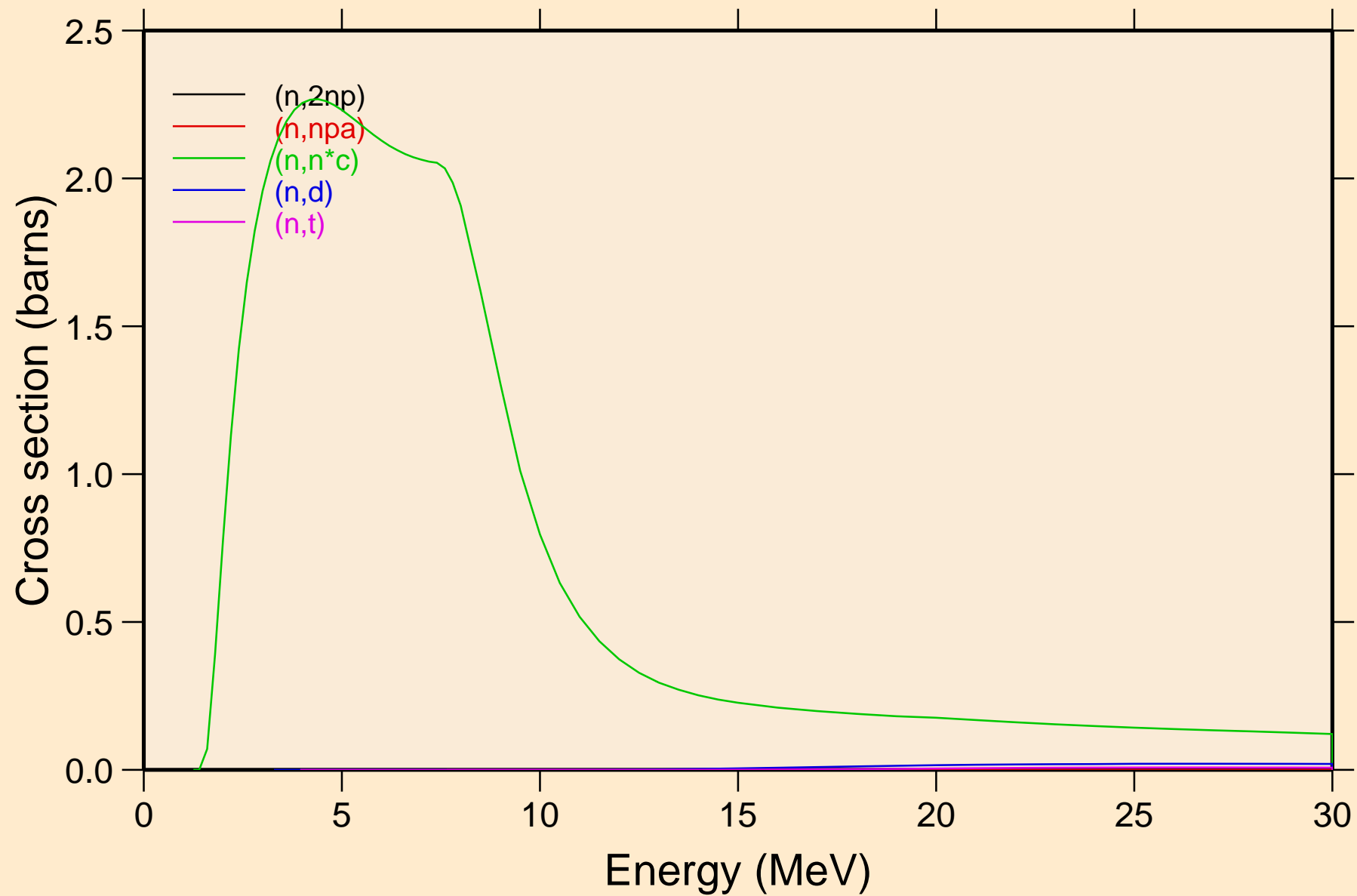
# CS130 NRG TENDL-2015, AKONING

## Threshold reactions



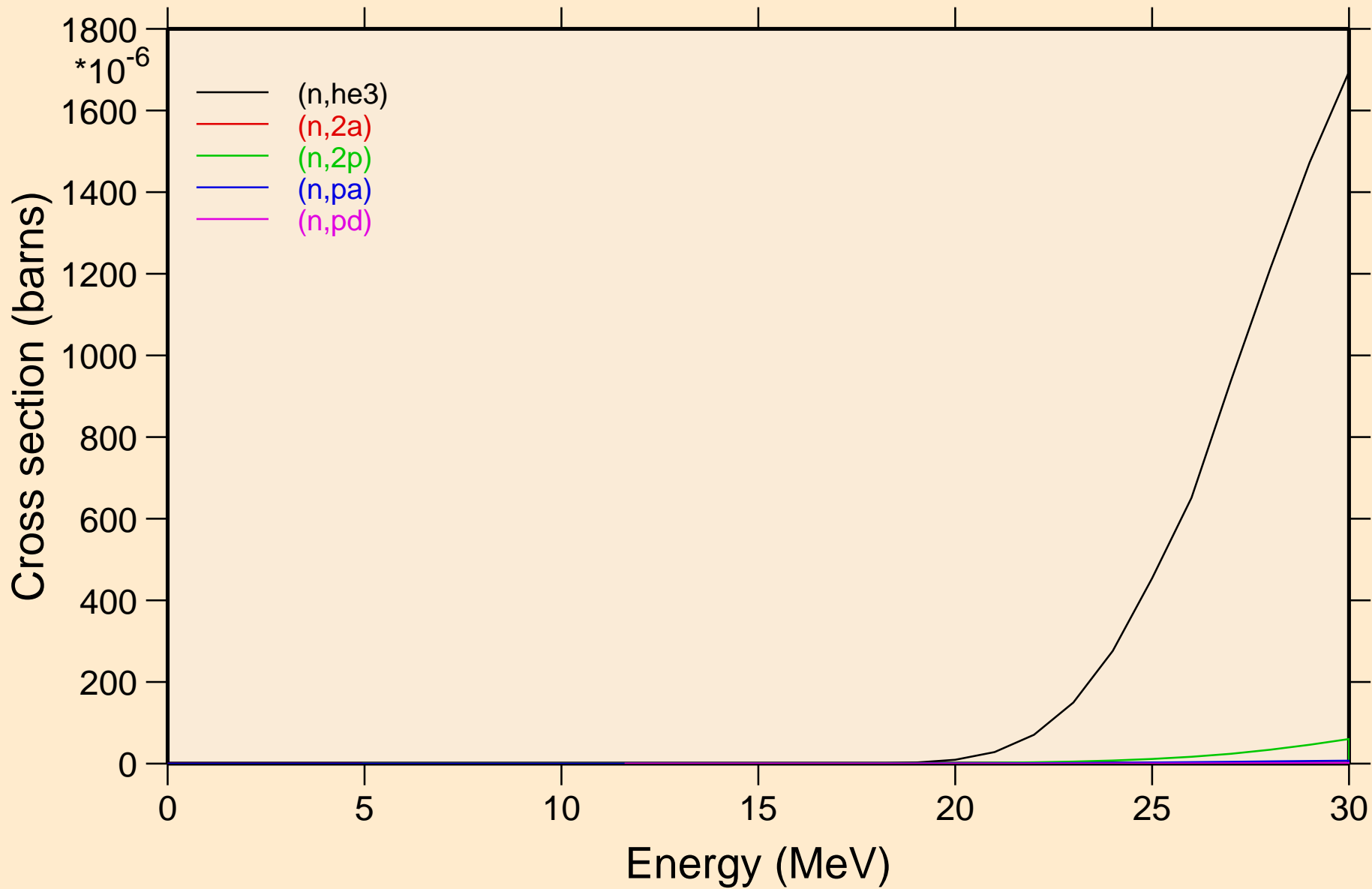
# CS130 NRG TENDL-2015, AKONING

## Threshold reactions



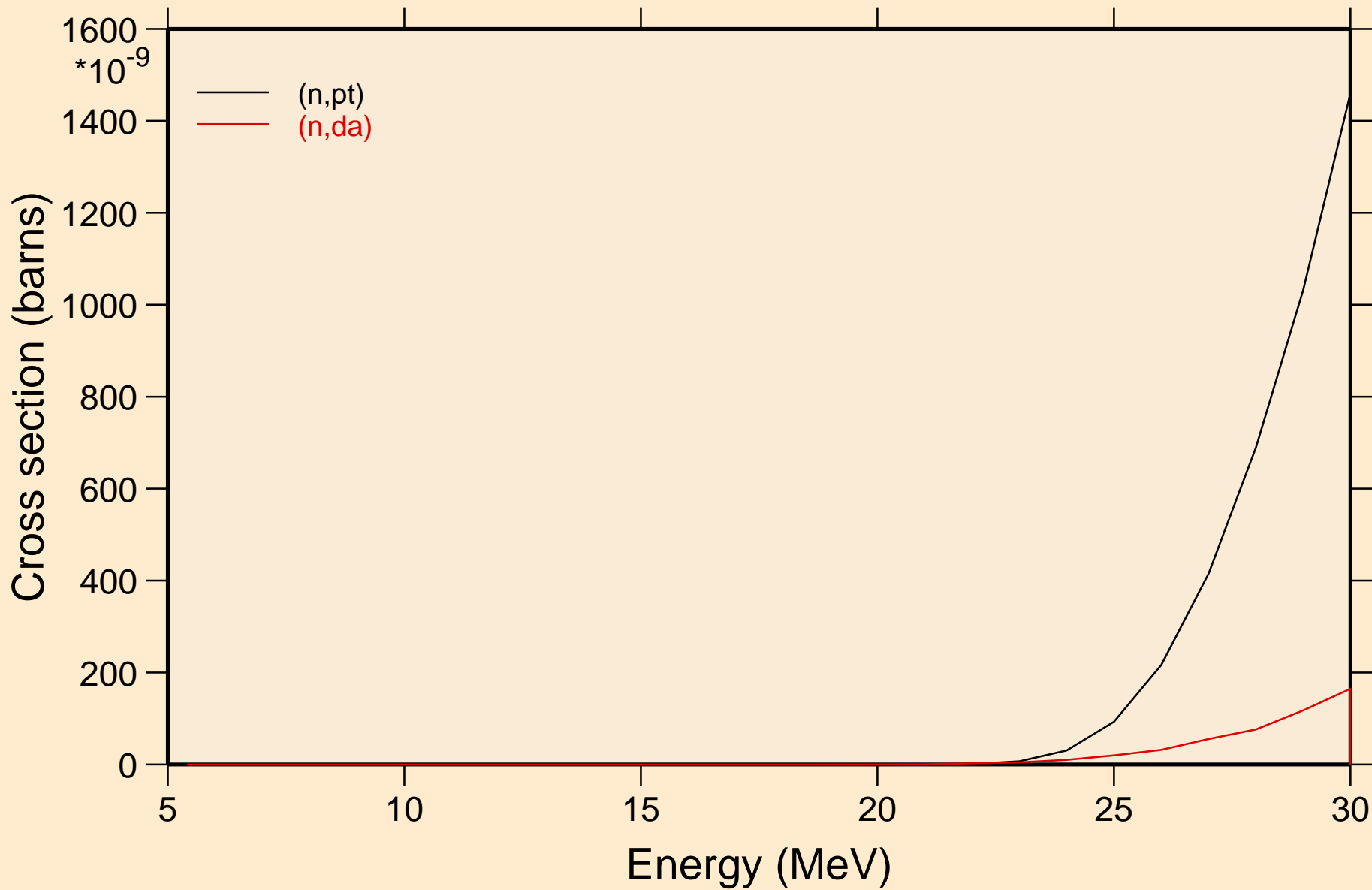
# CS130 NRG TENDL-2015, AKONING

## Threshold reactions



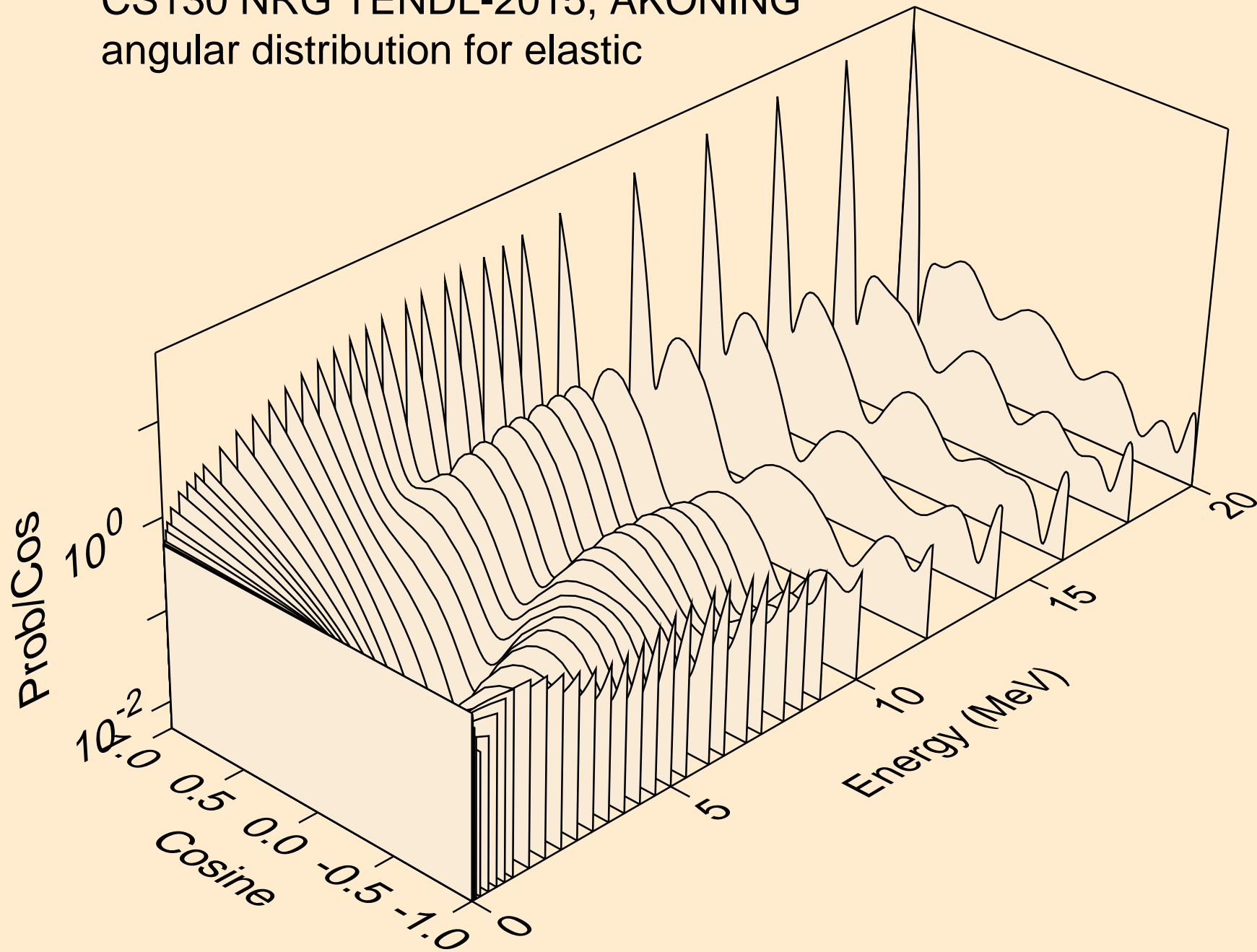
# CS130 NRG TENDL-2015, AKONING

## Threshold reactions

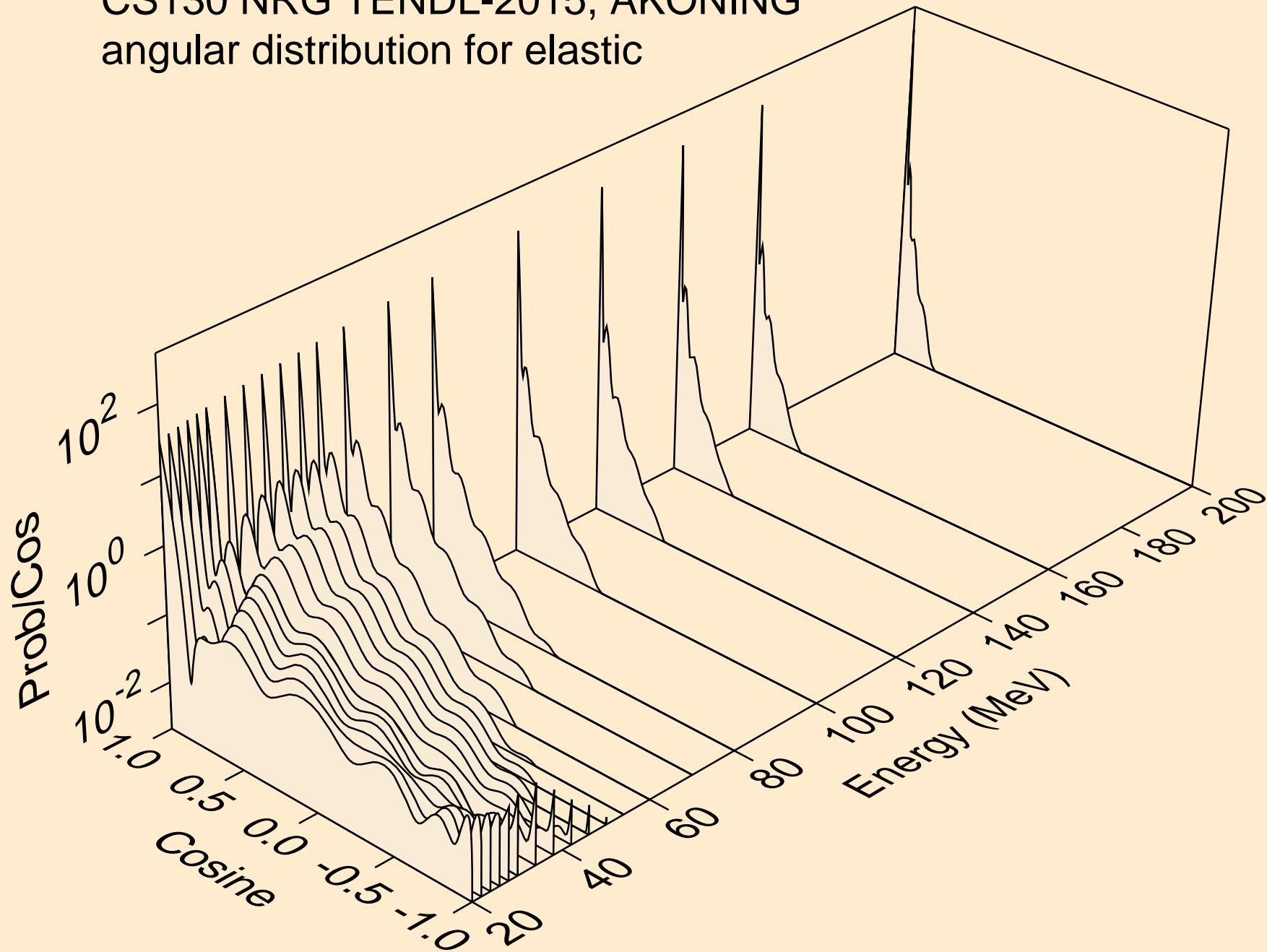




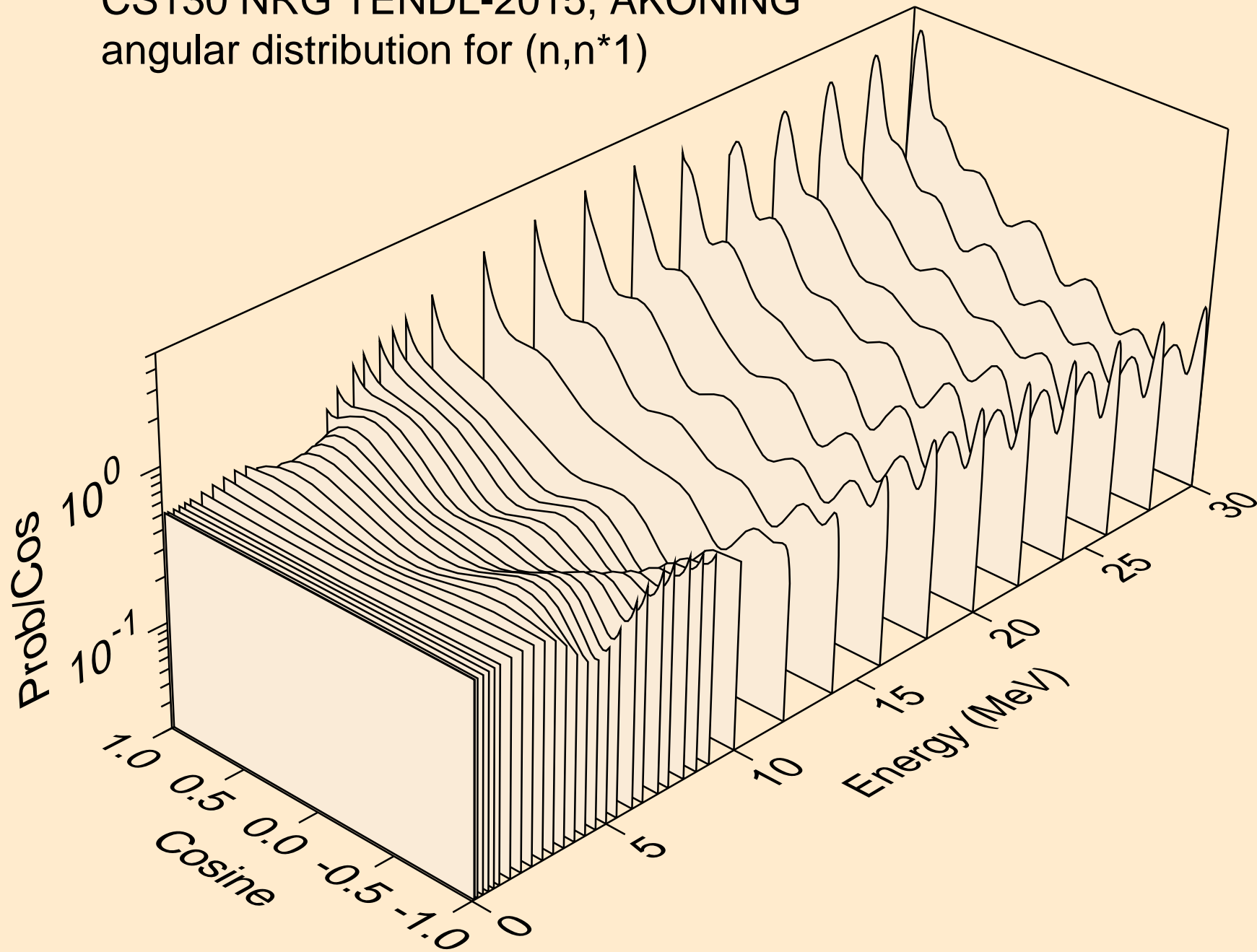
CS130 NRG TENDL-2015, AKONING  
angular distribution for elastic



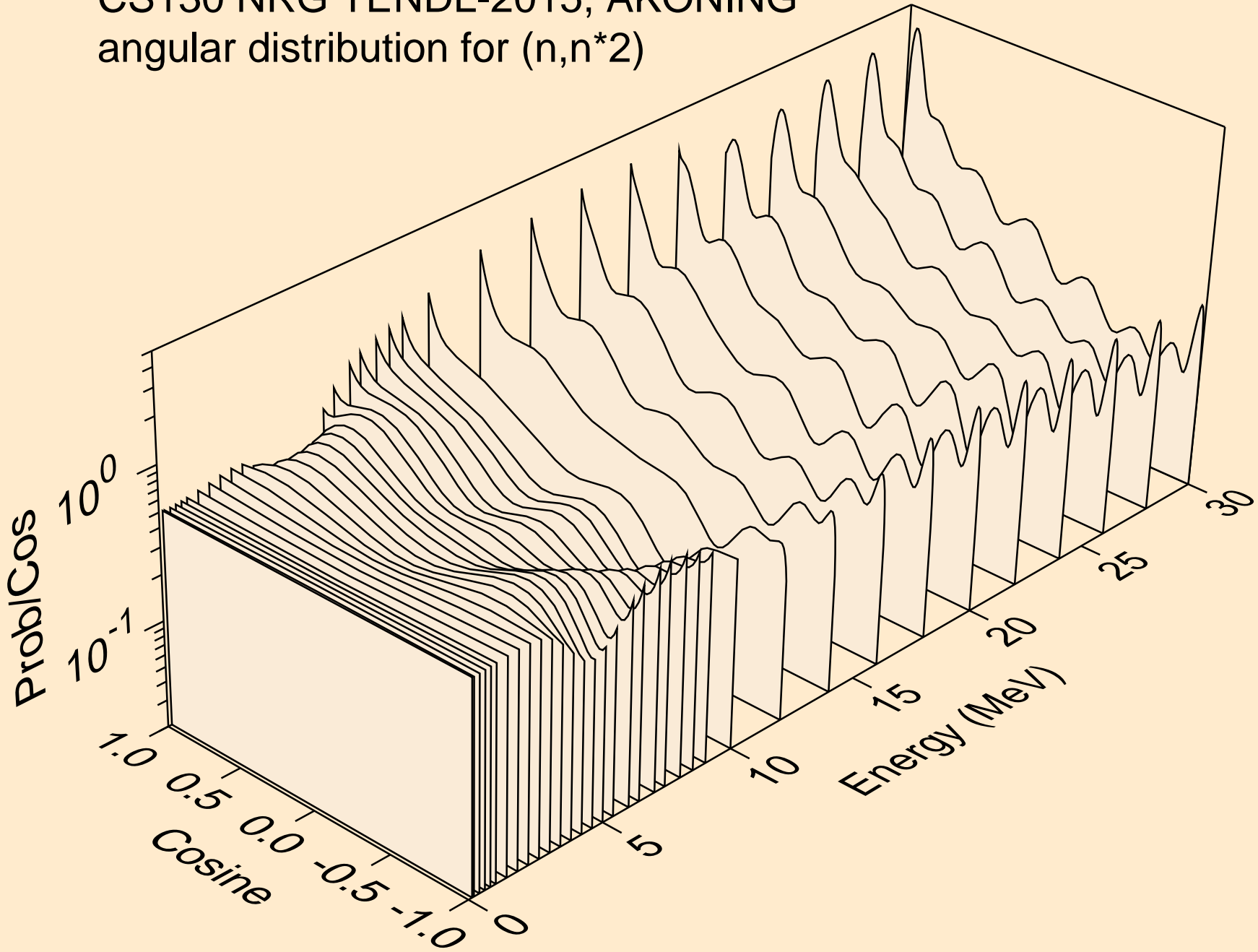
CS130 NRG TENDL-2015, AKONING  
angular distribution for elastic



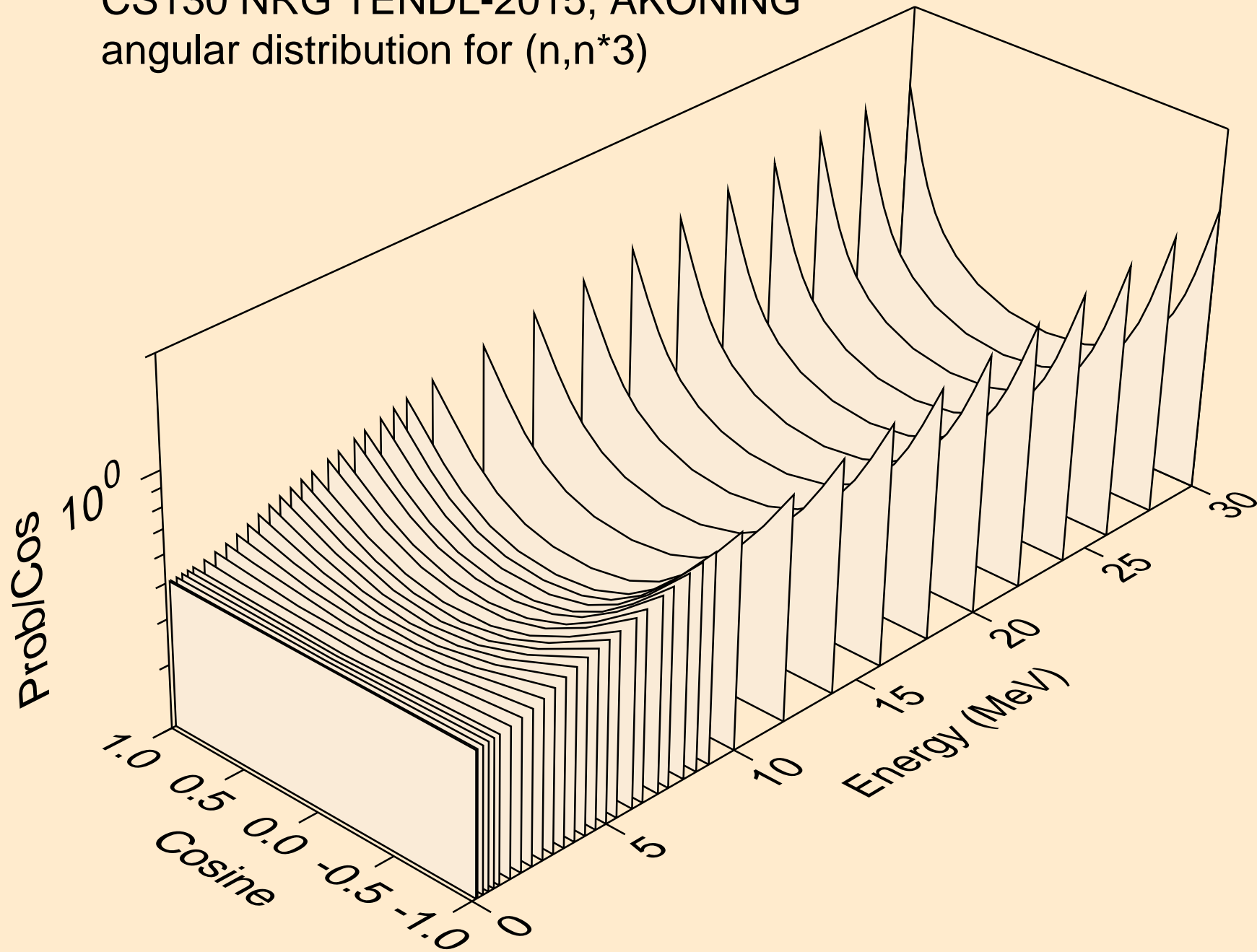
CS130 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



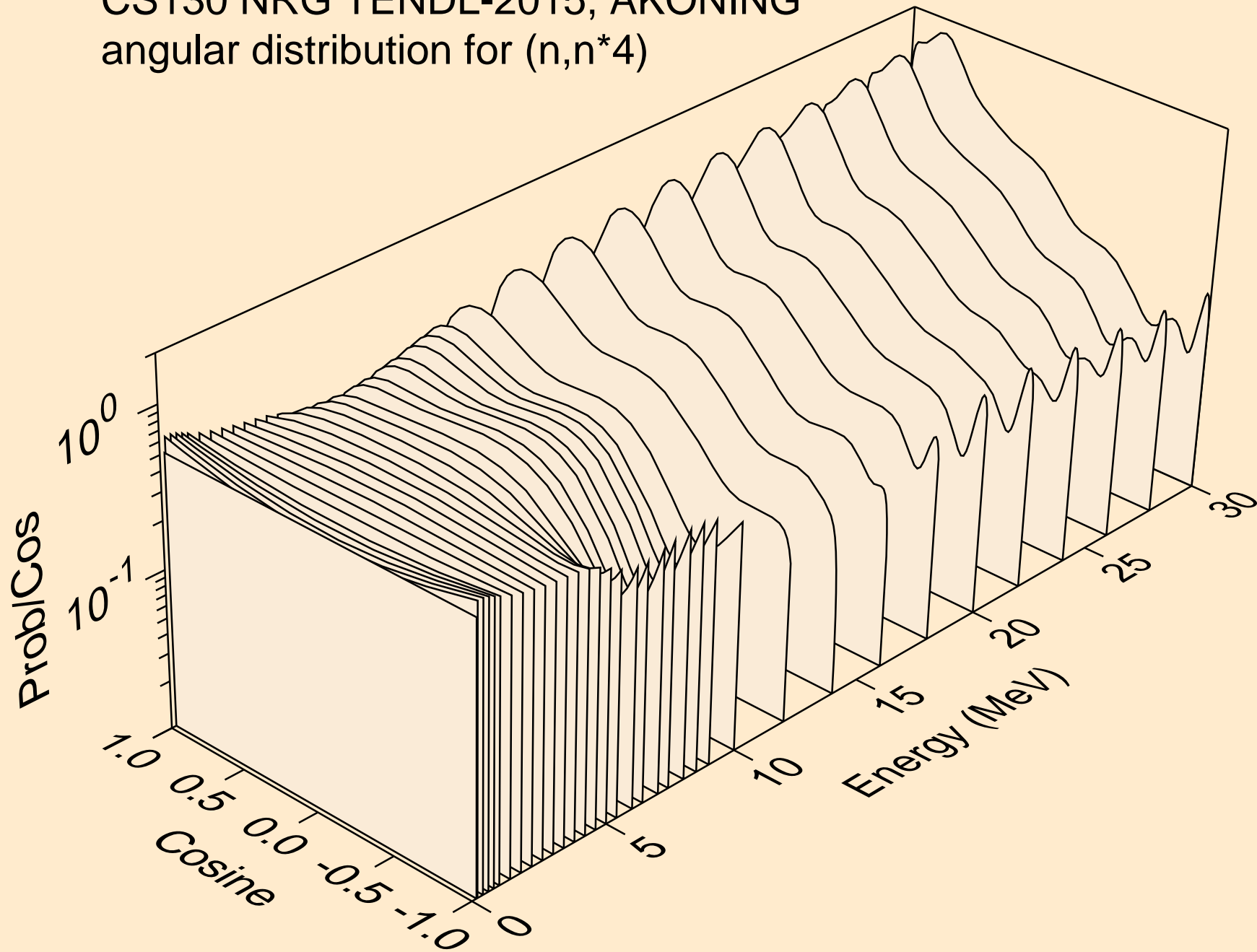
CS130 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



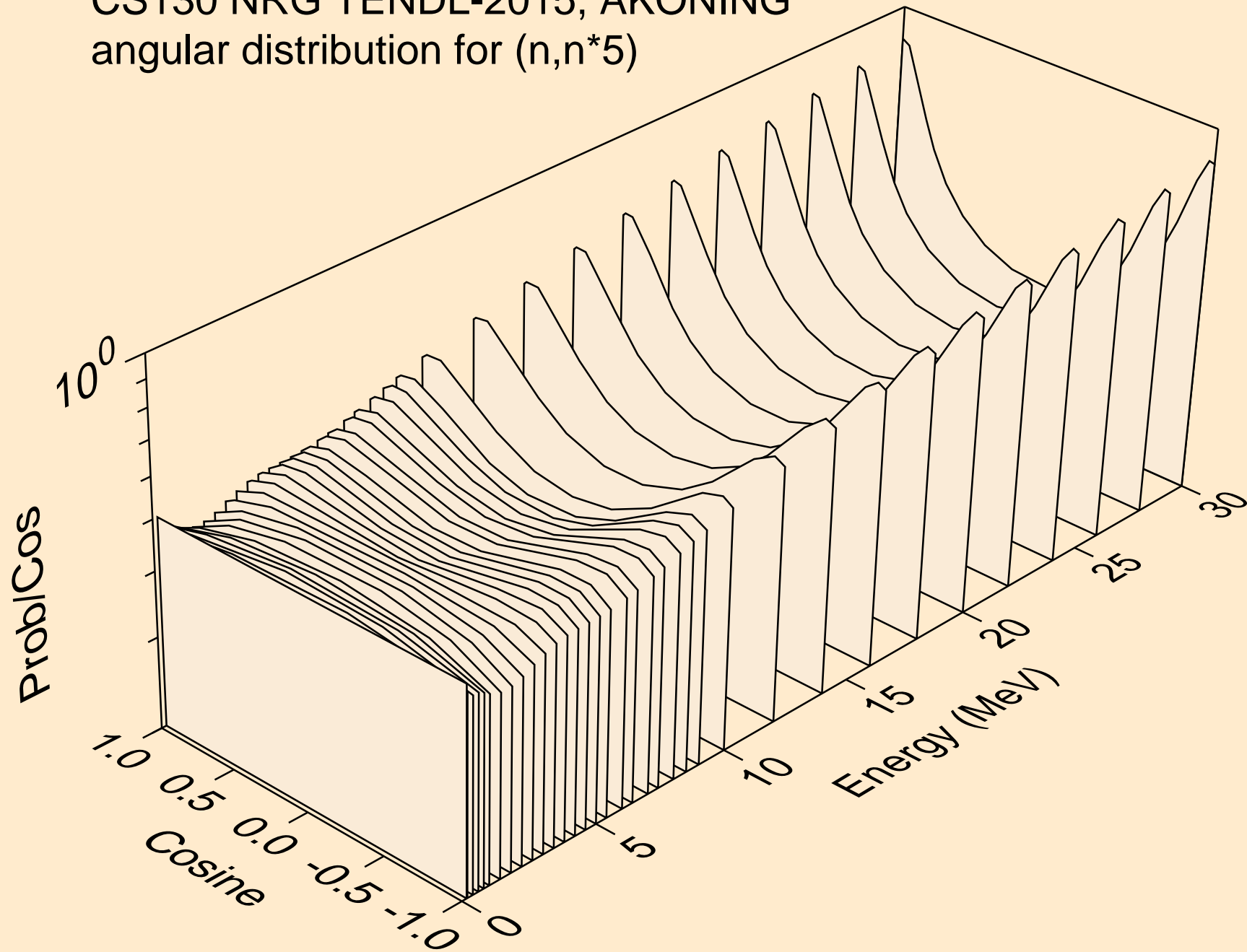
CS130 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



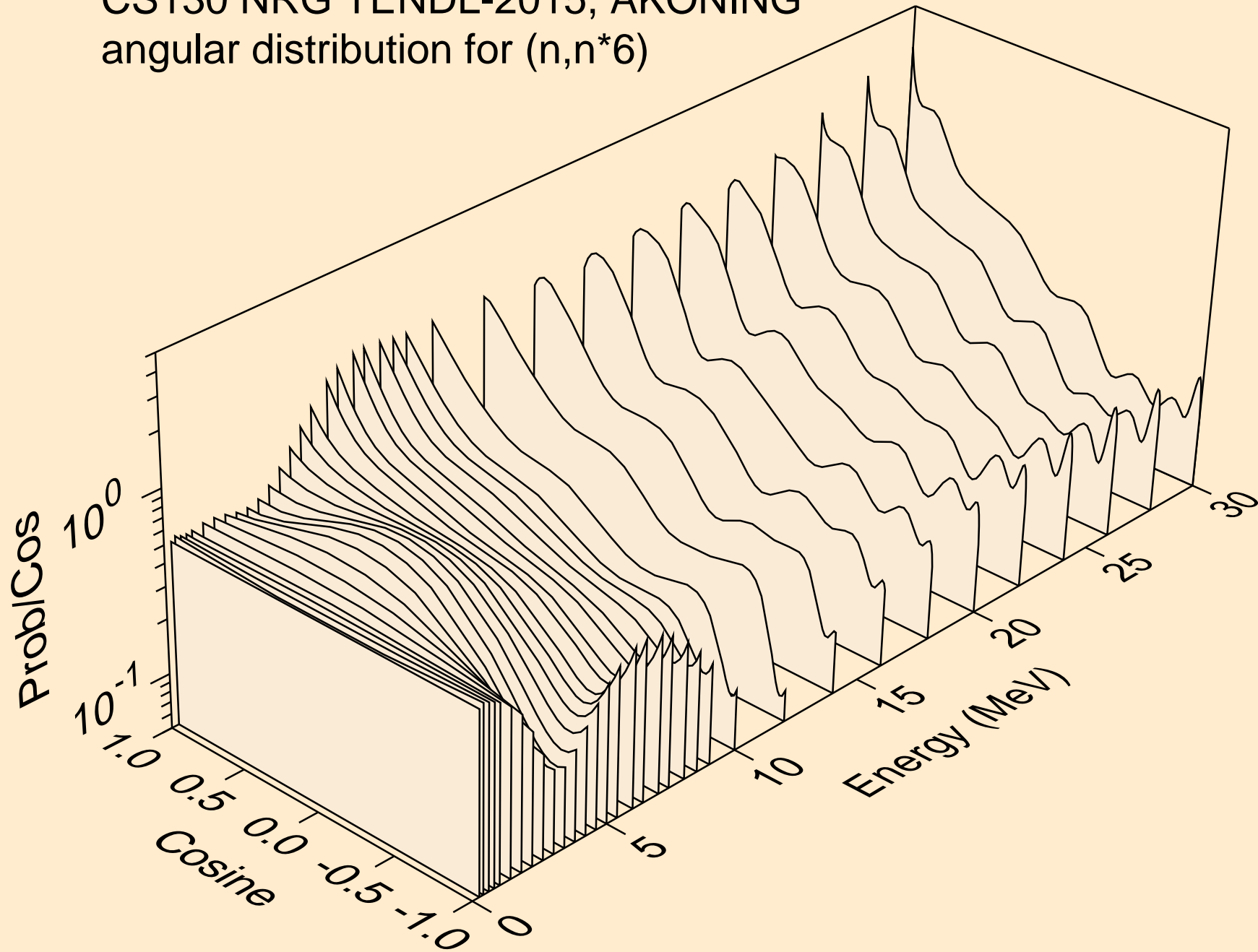
CS130 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



CS130 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)

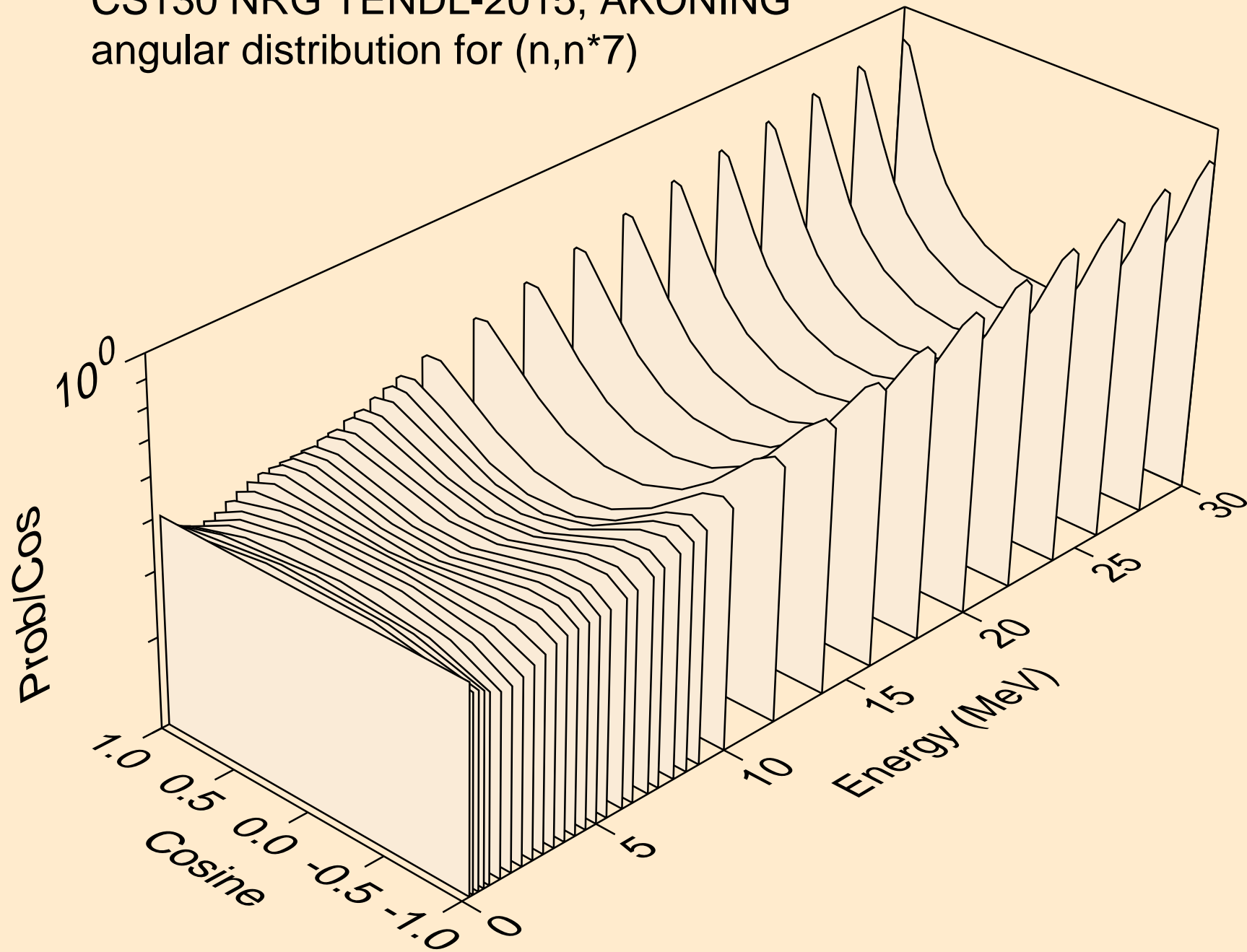


CS130 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)

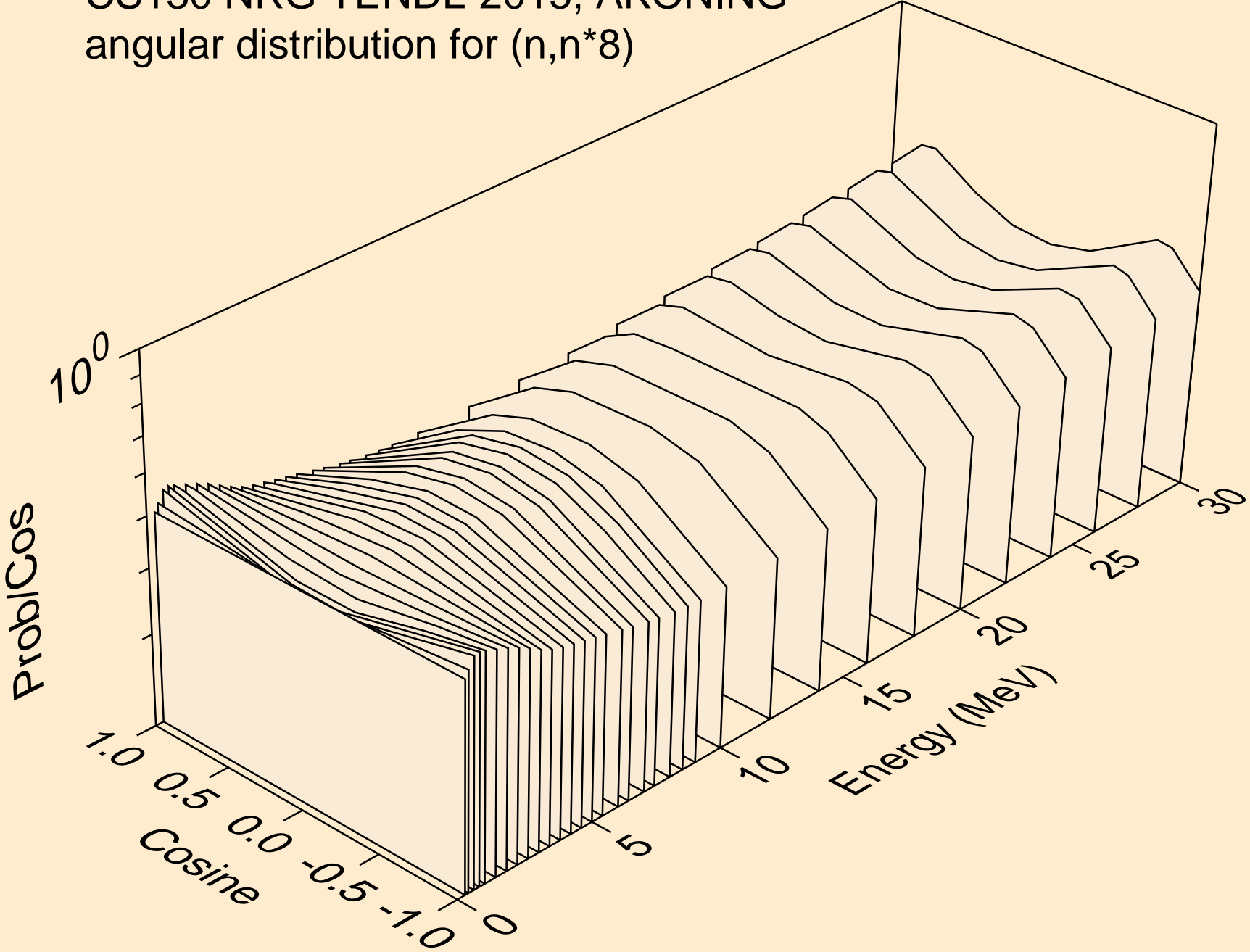




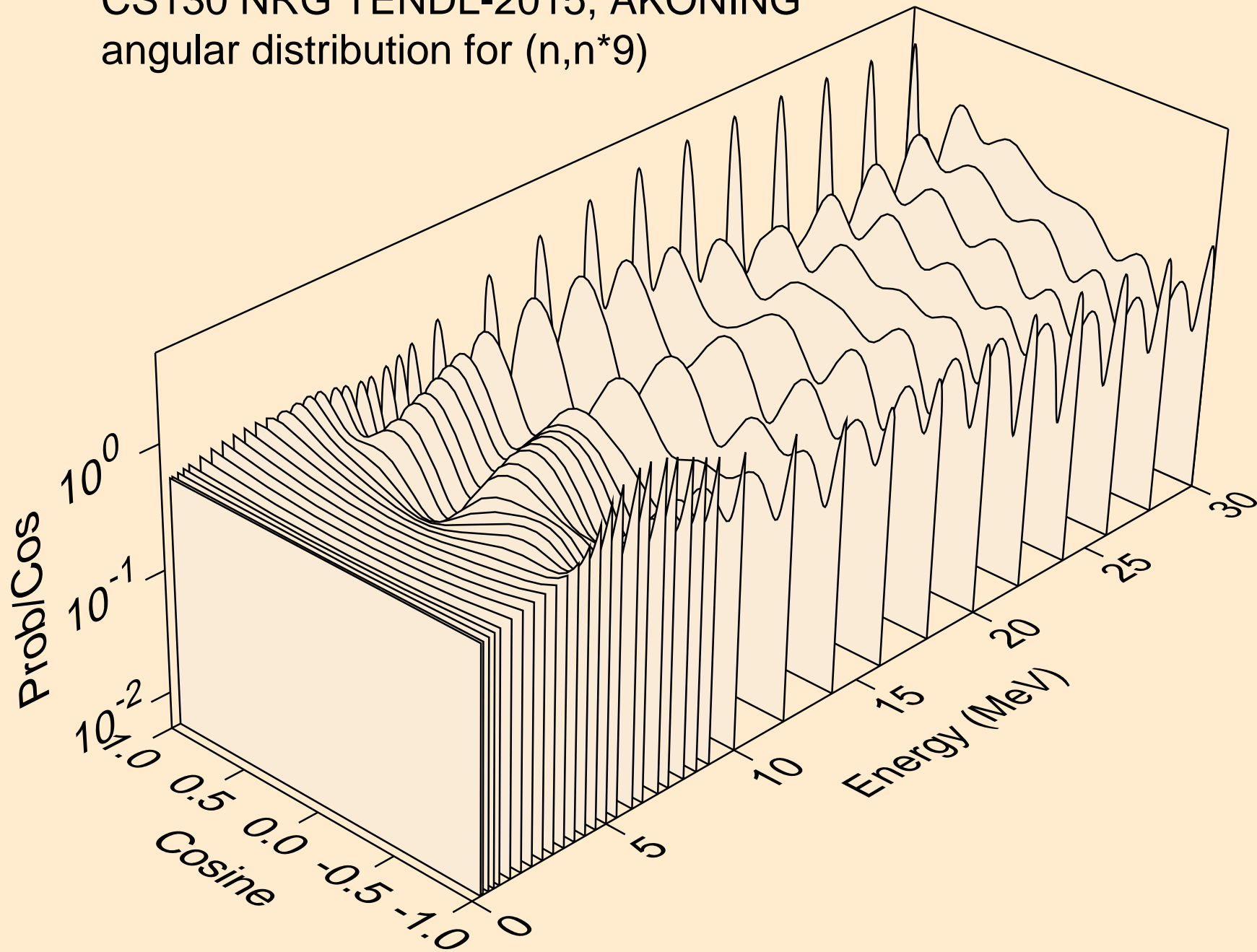
CS130 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



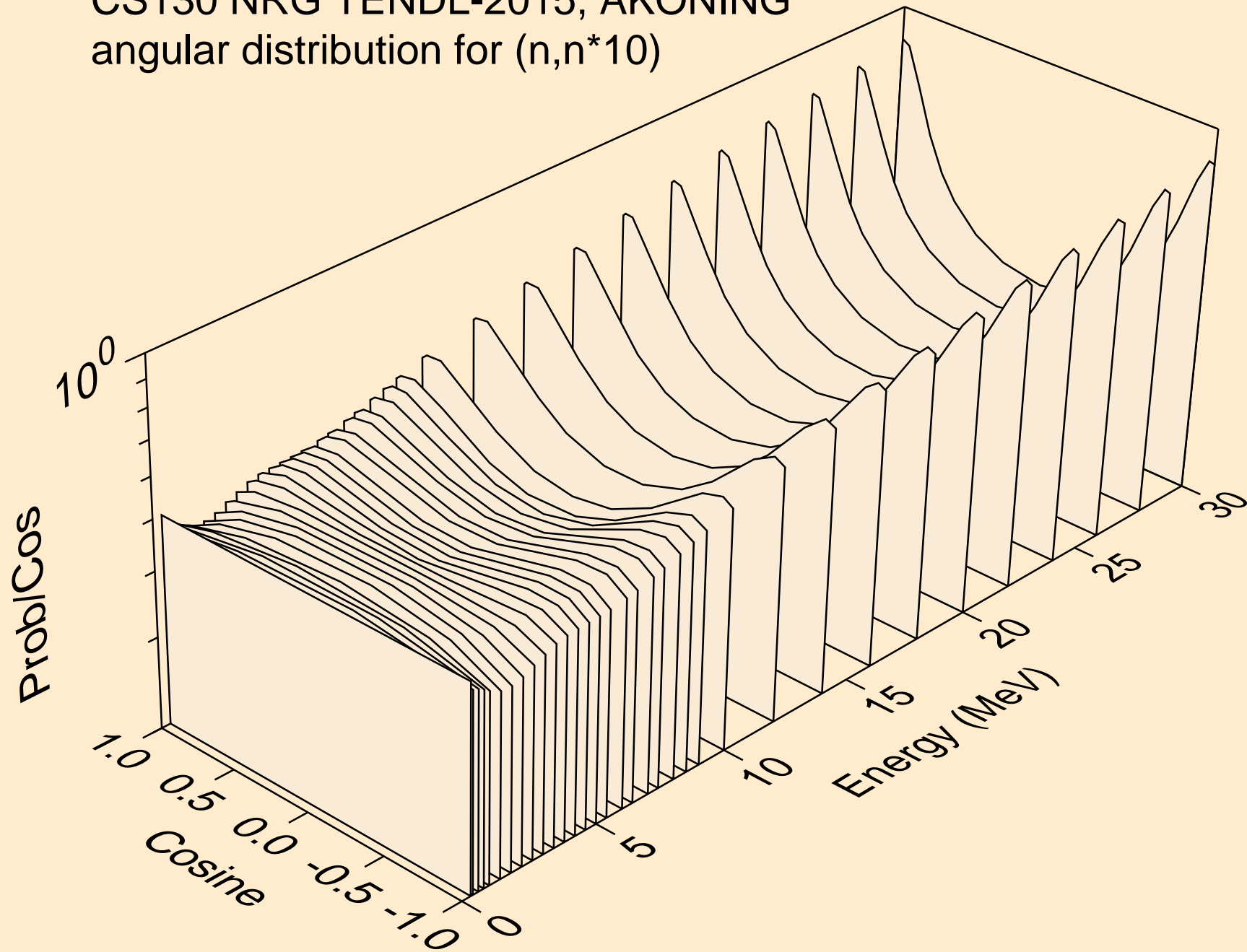
CS130 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)



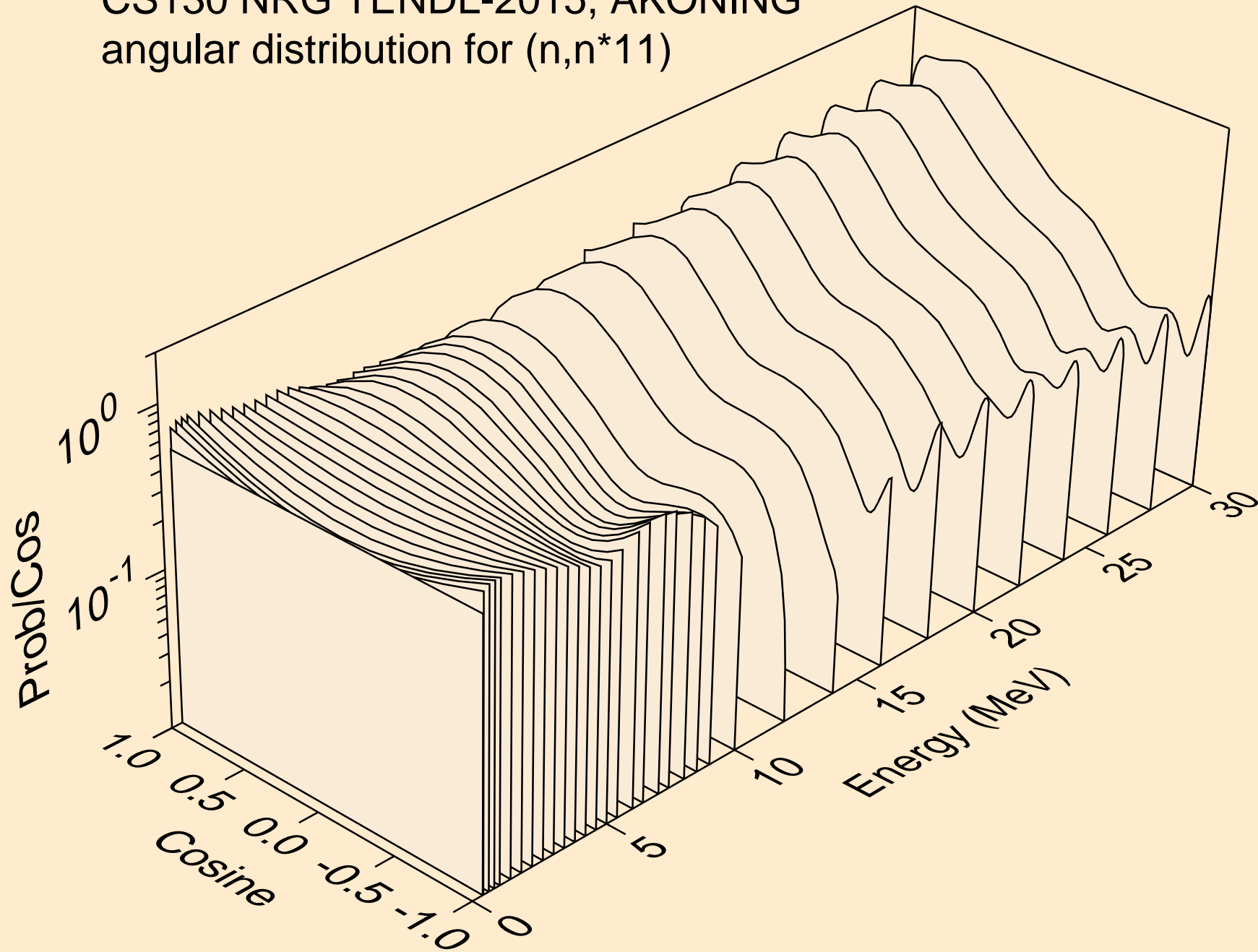
CS130 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



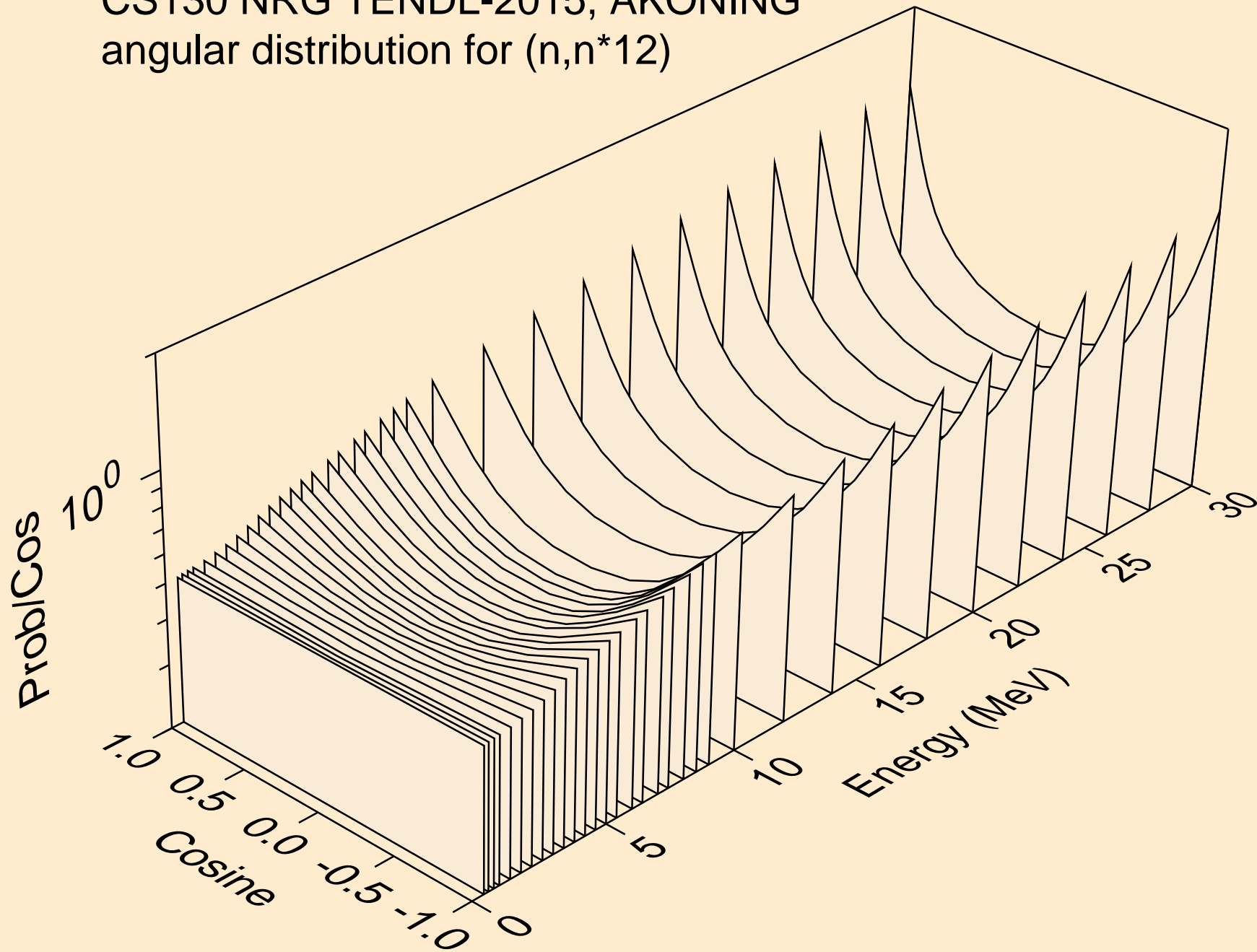
CS130 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



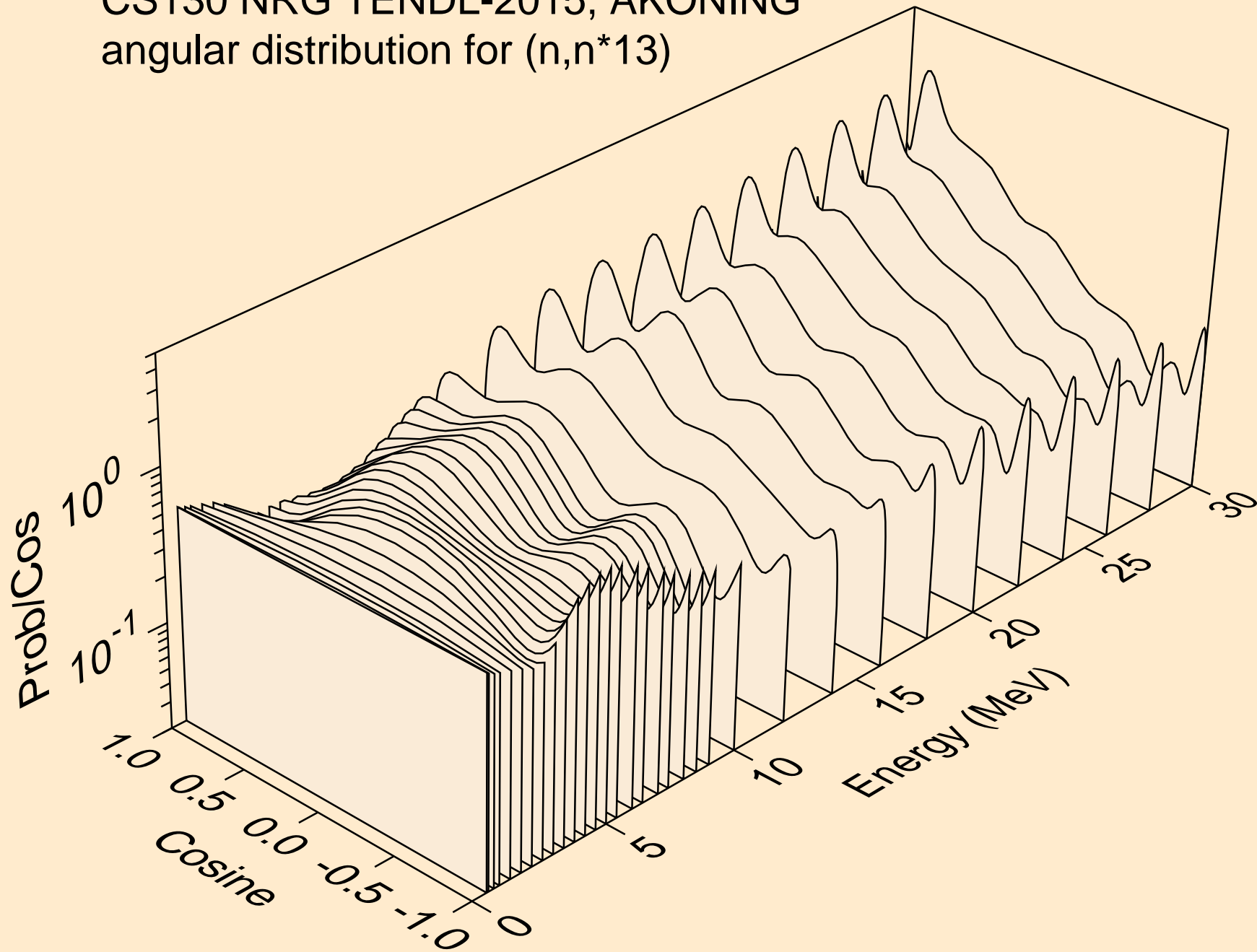
CS130 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



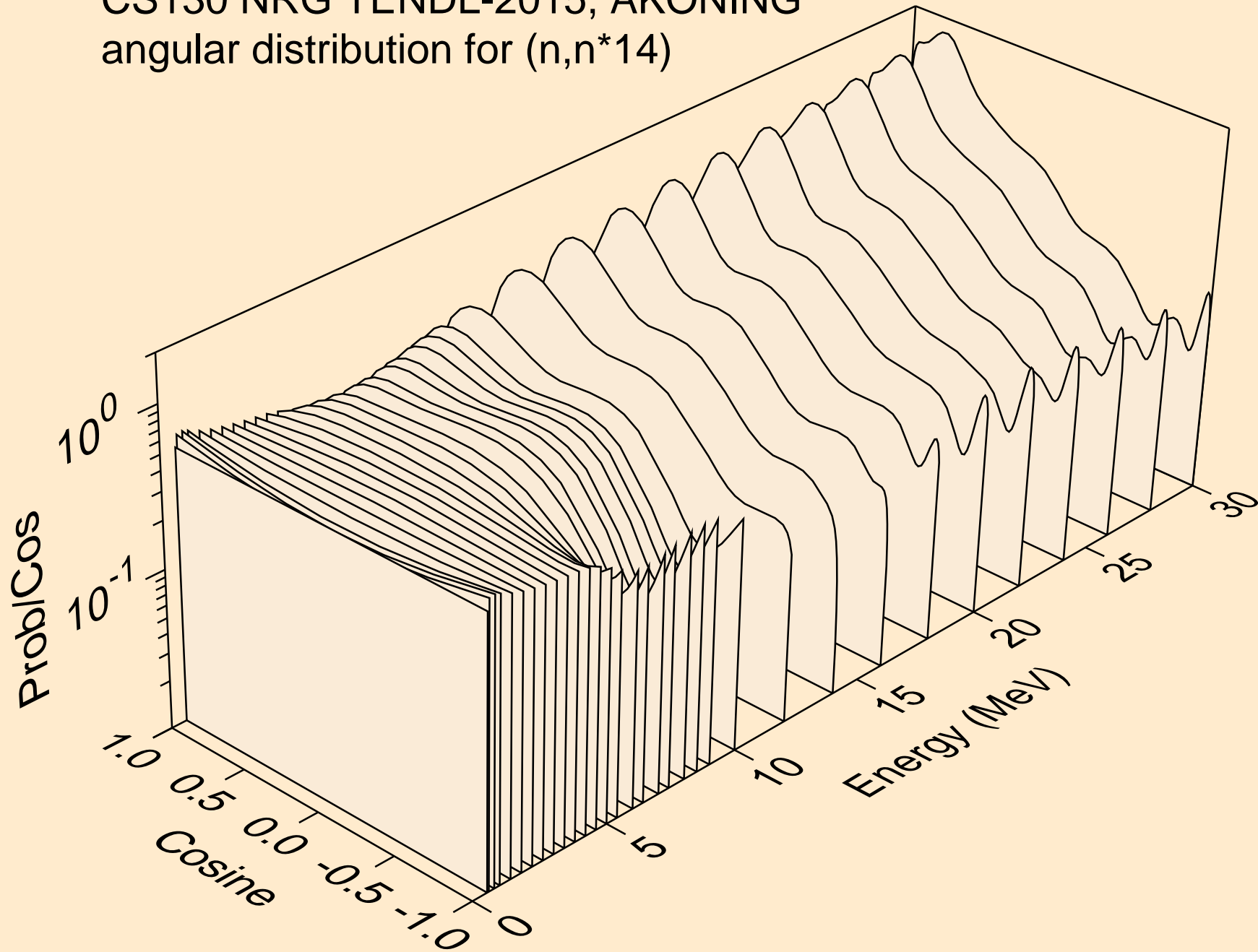
CS130 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



CS130 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)

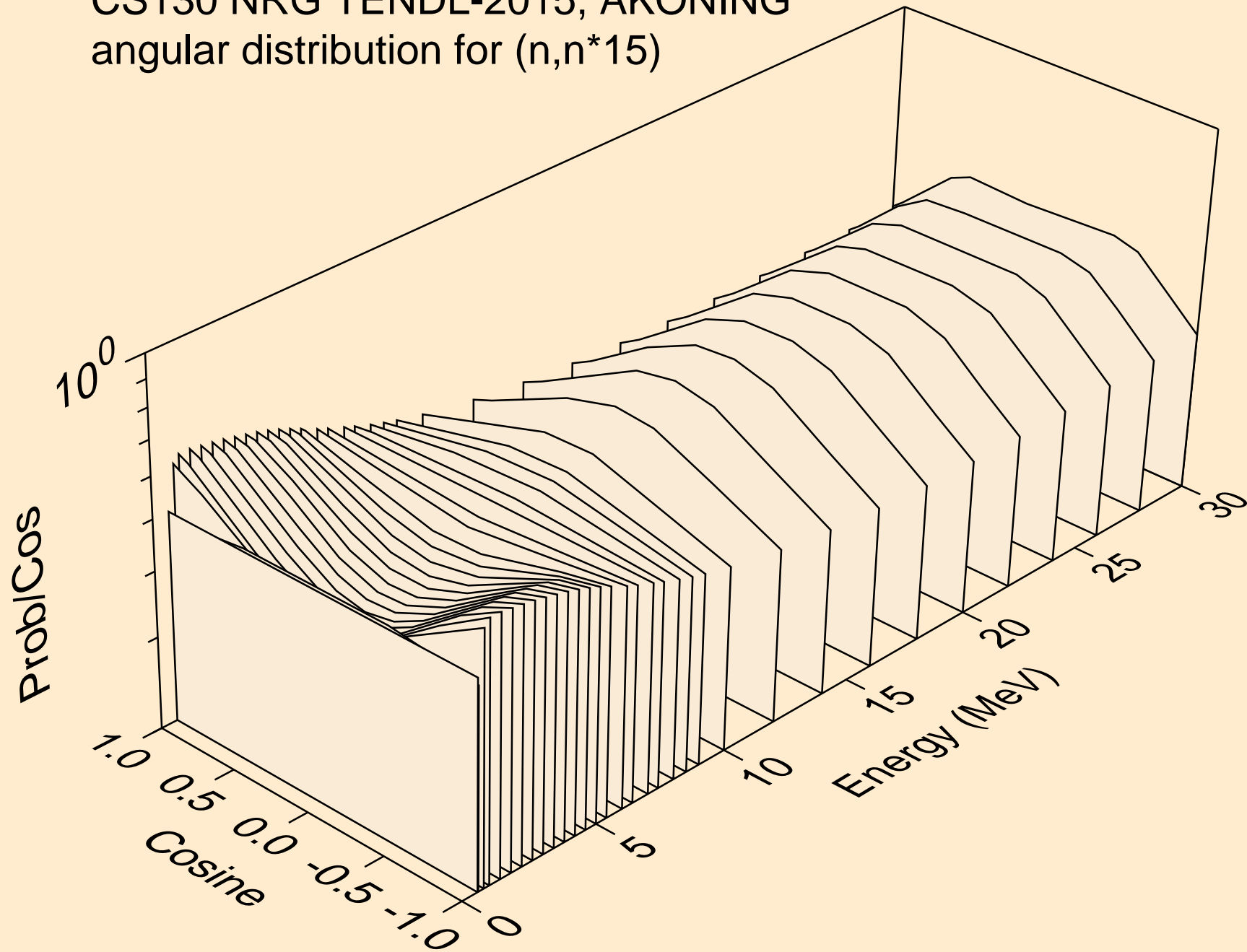


CS130 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)

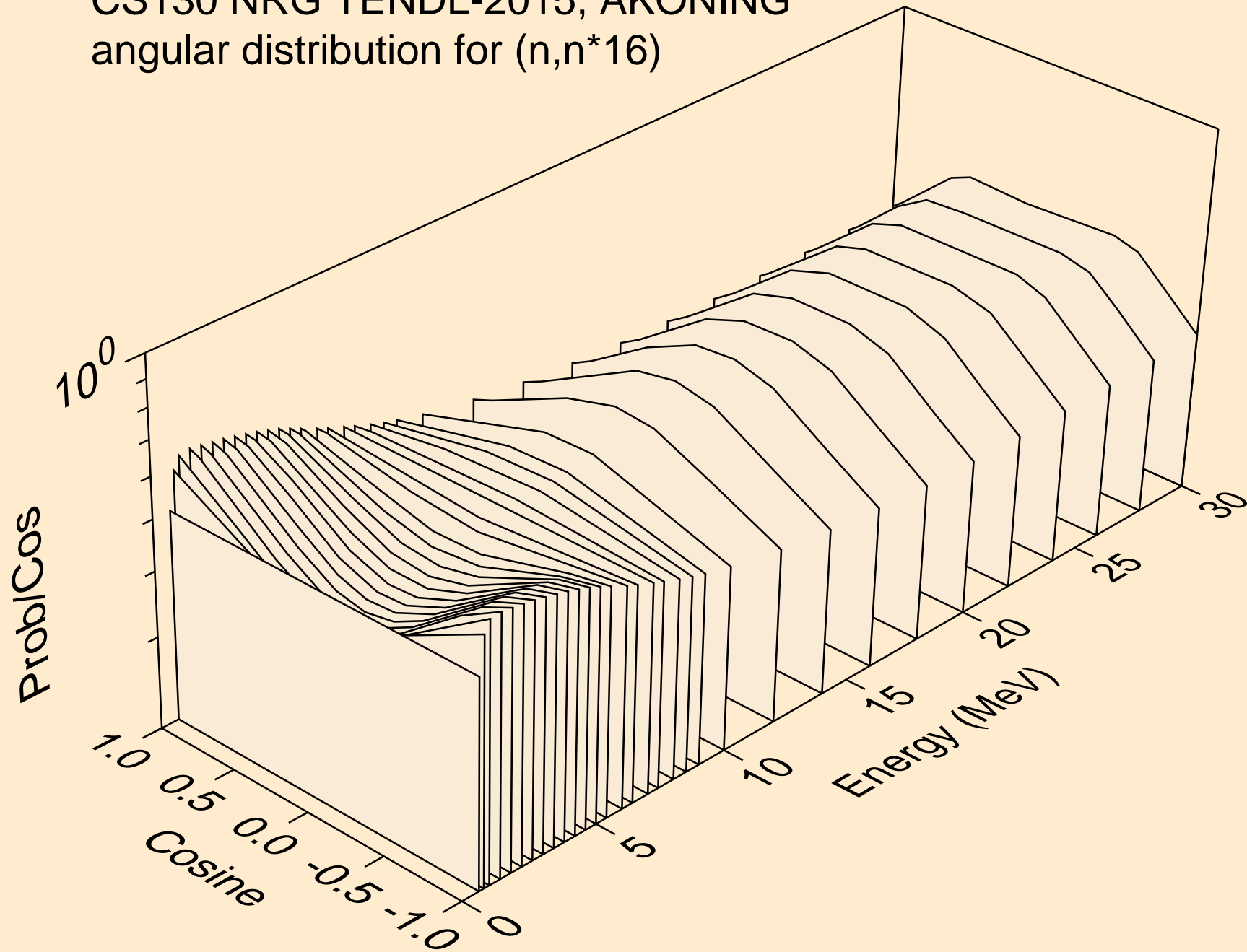




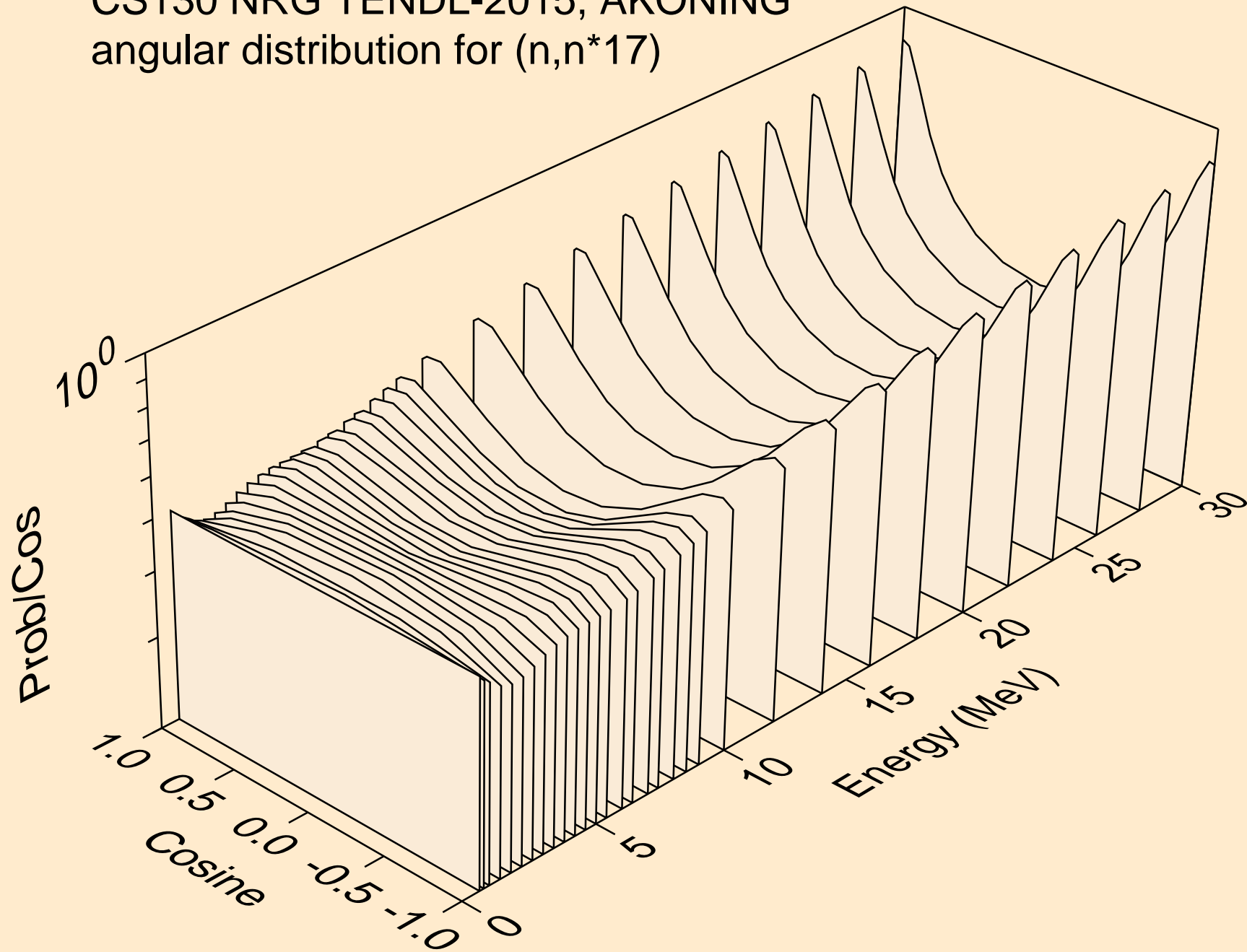
CS130 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



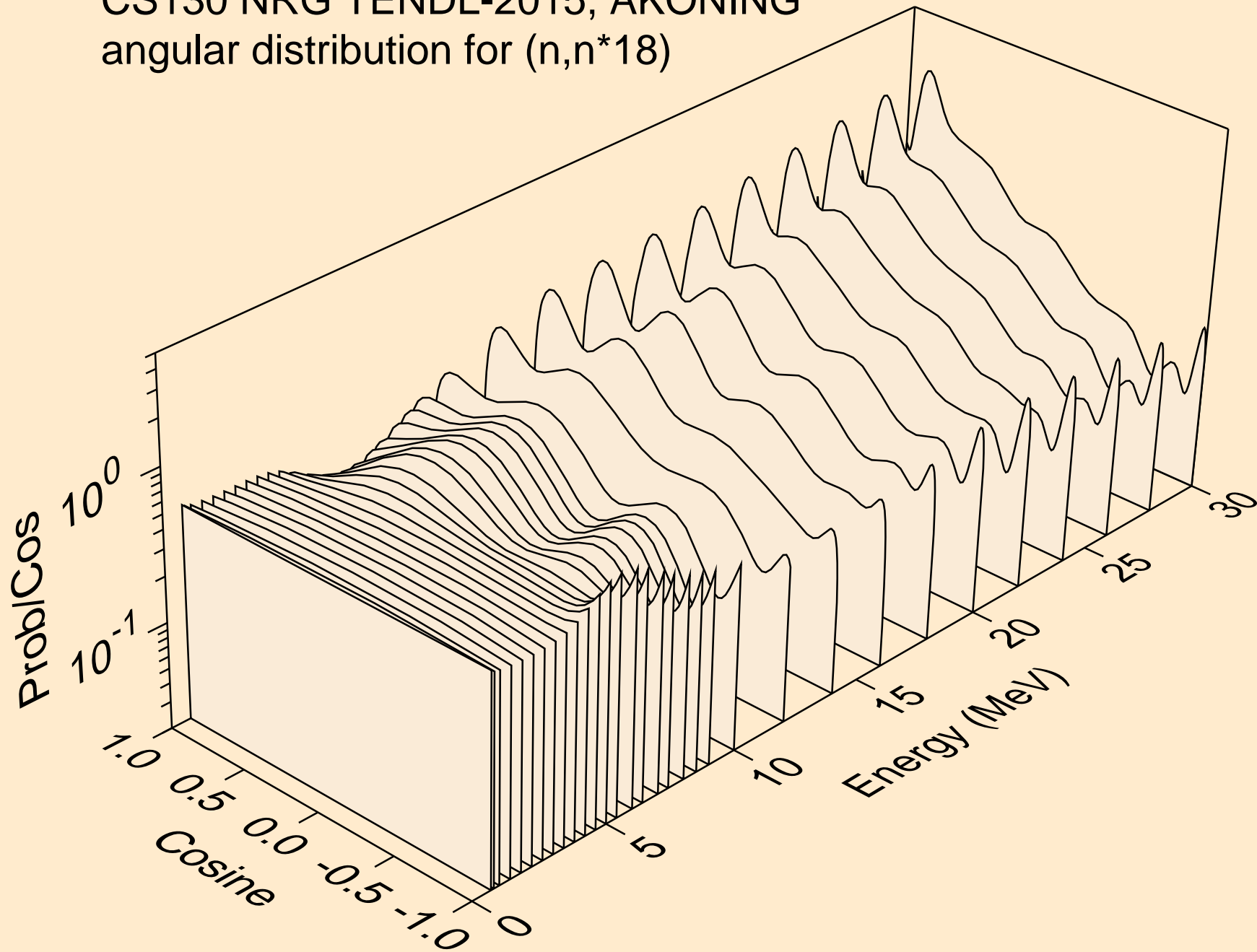
CS130 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)



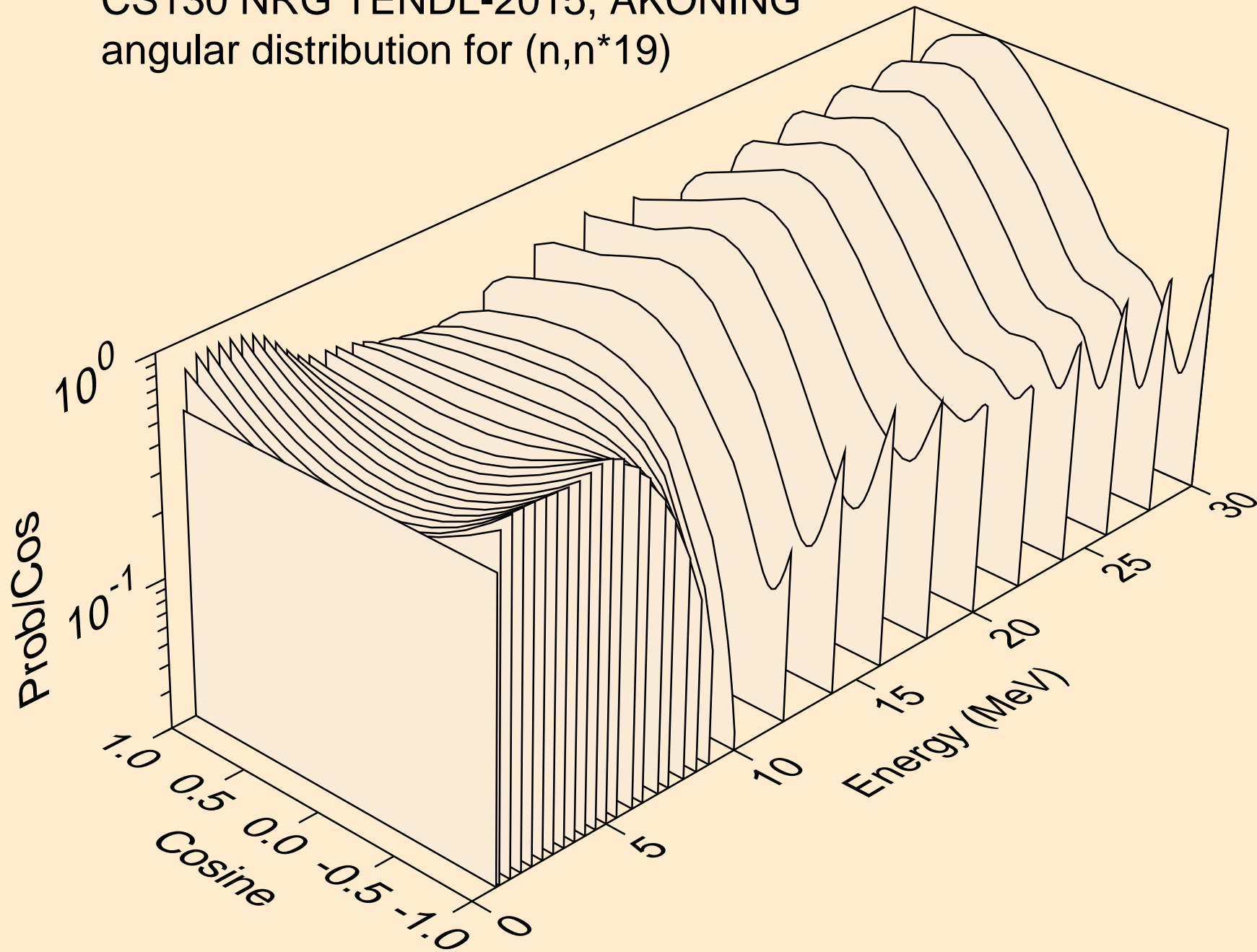
CS130 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



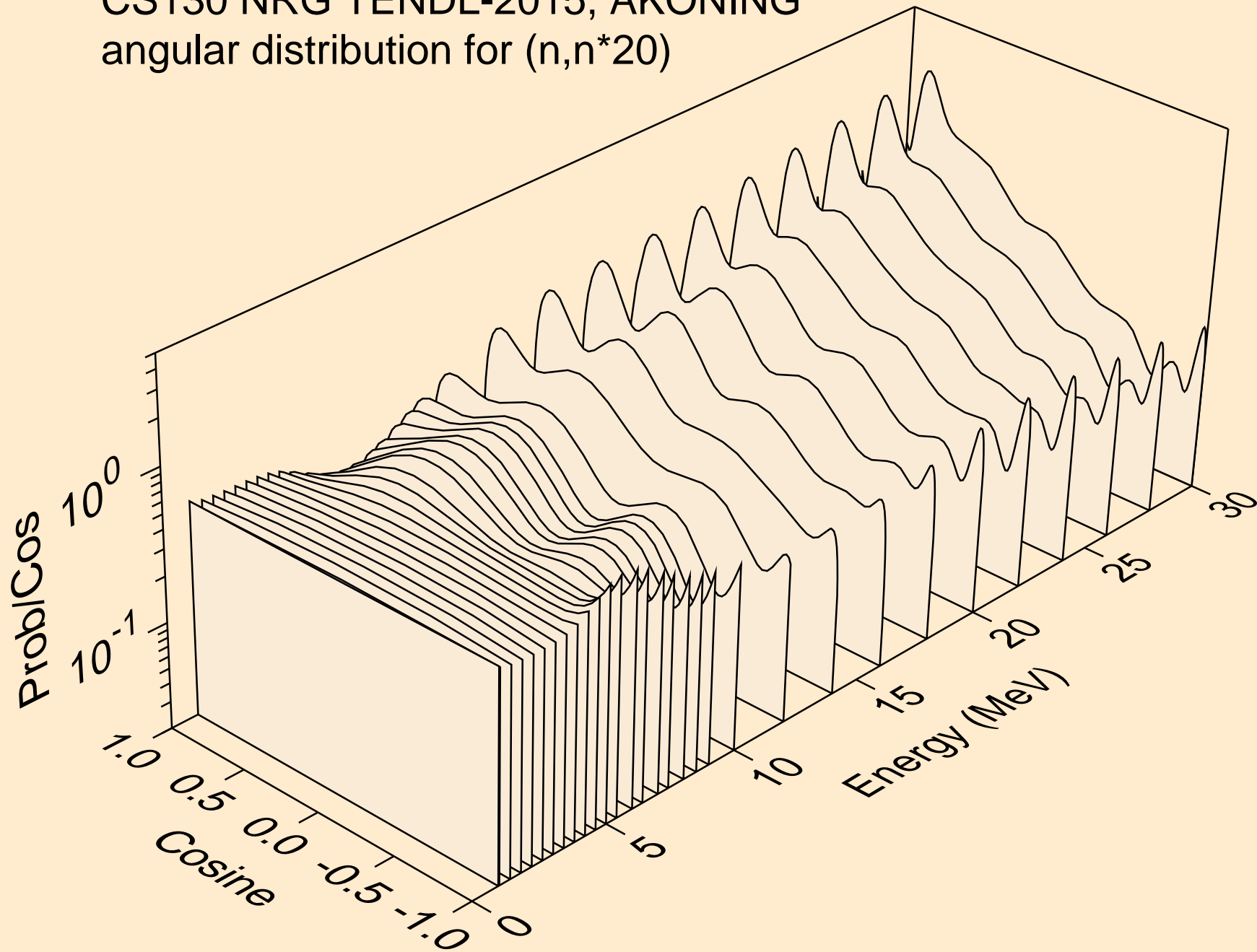
CS130 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



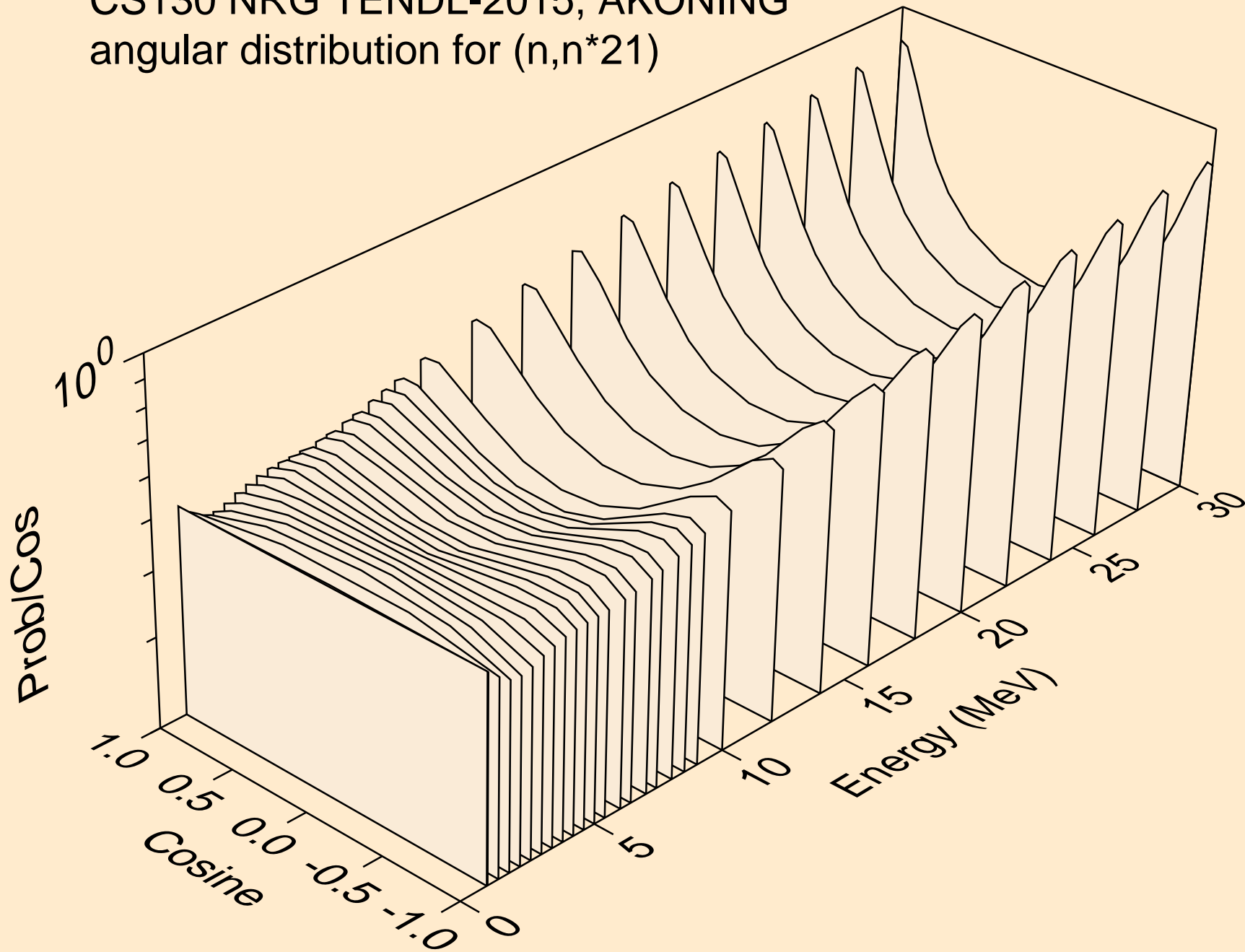
CS130 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



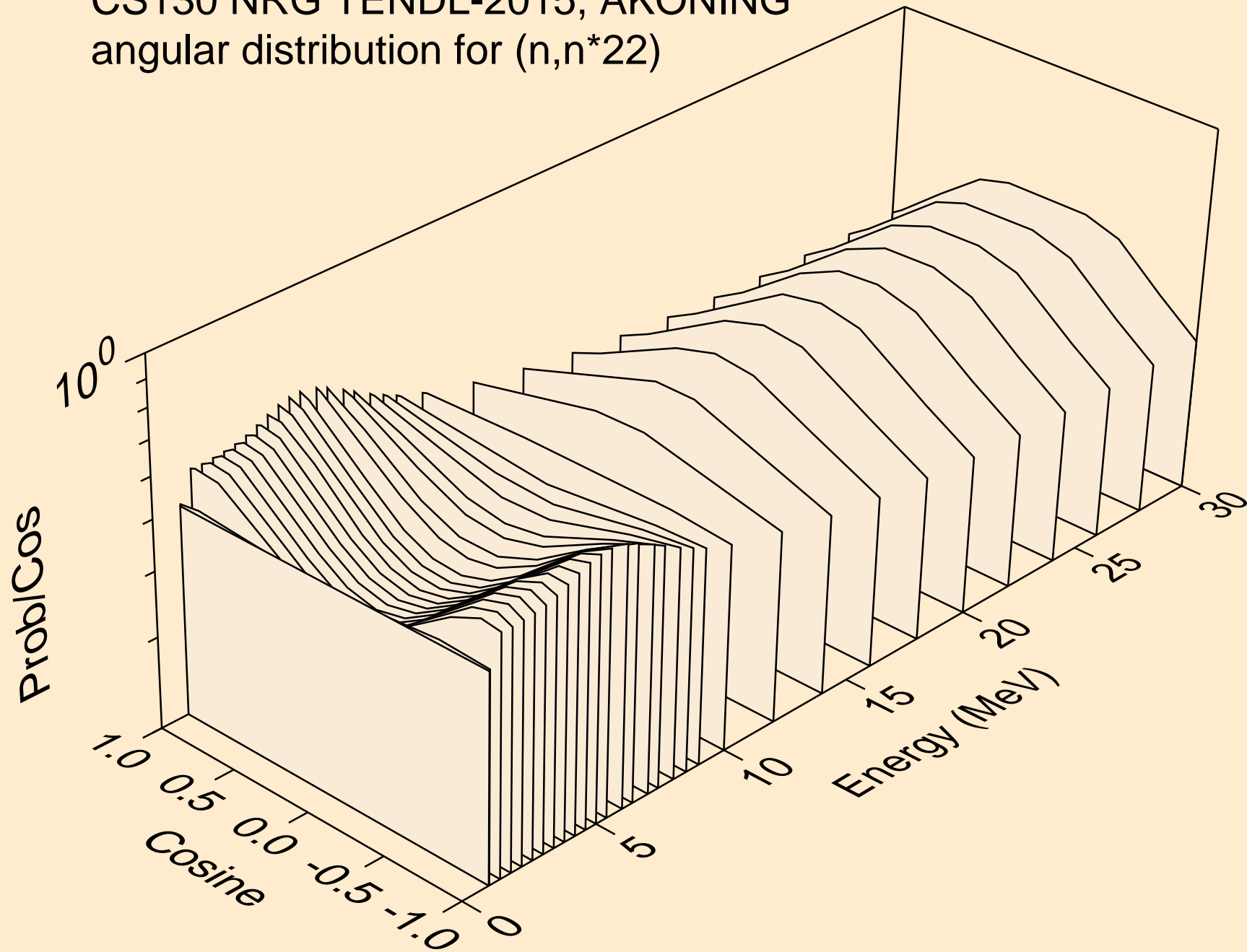
CS130 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



CS130 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)

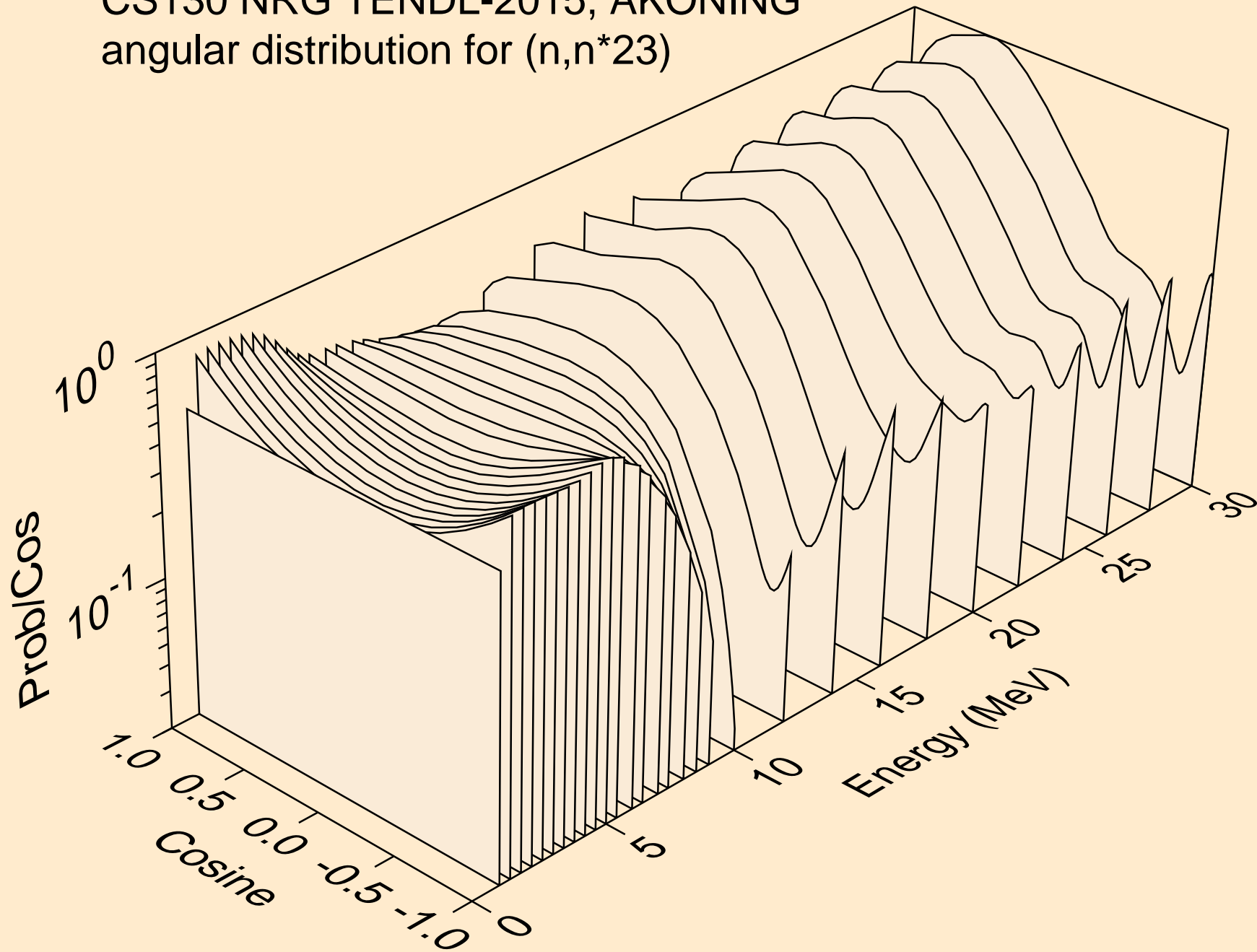


CS130 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)

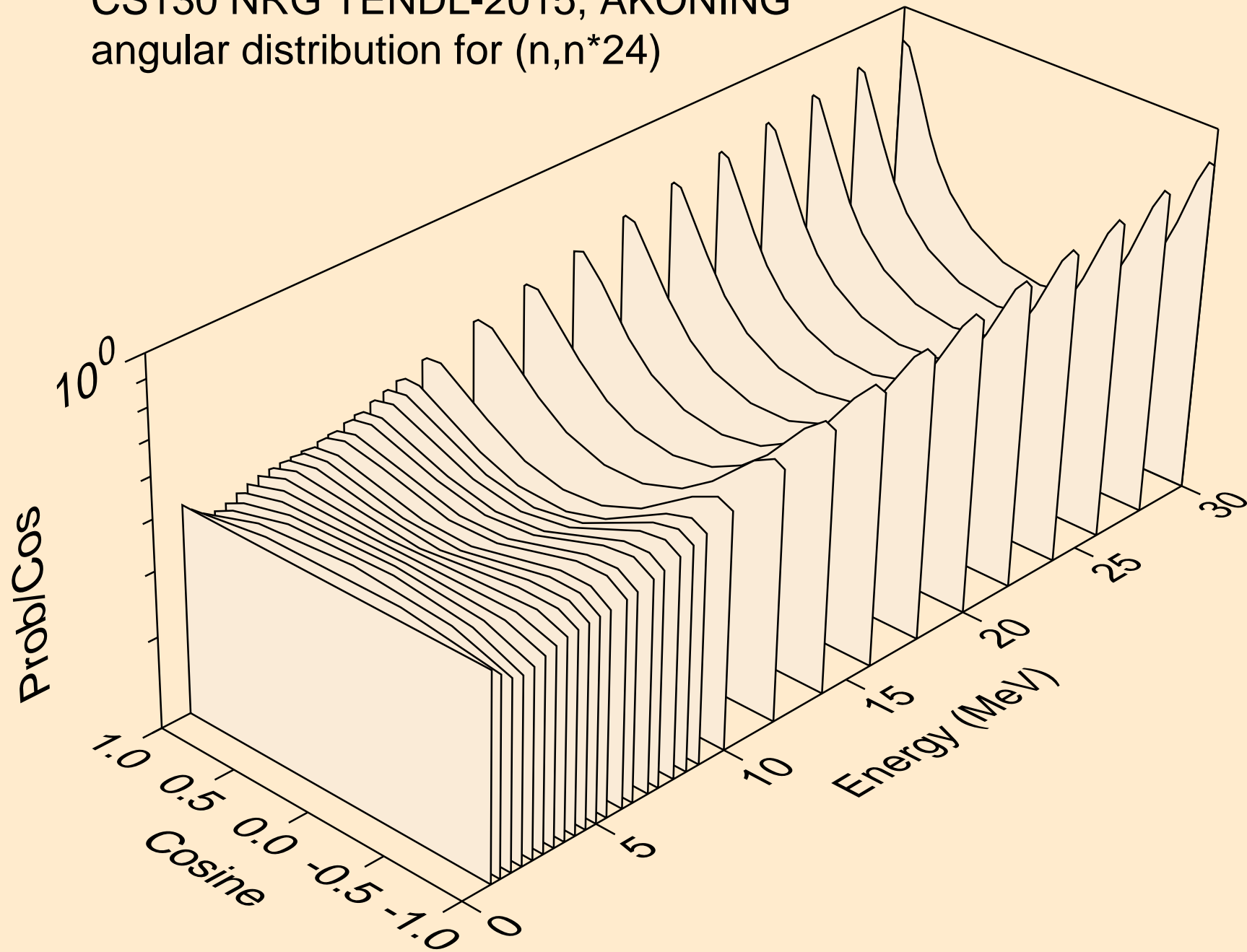




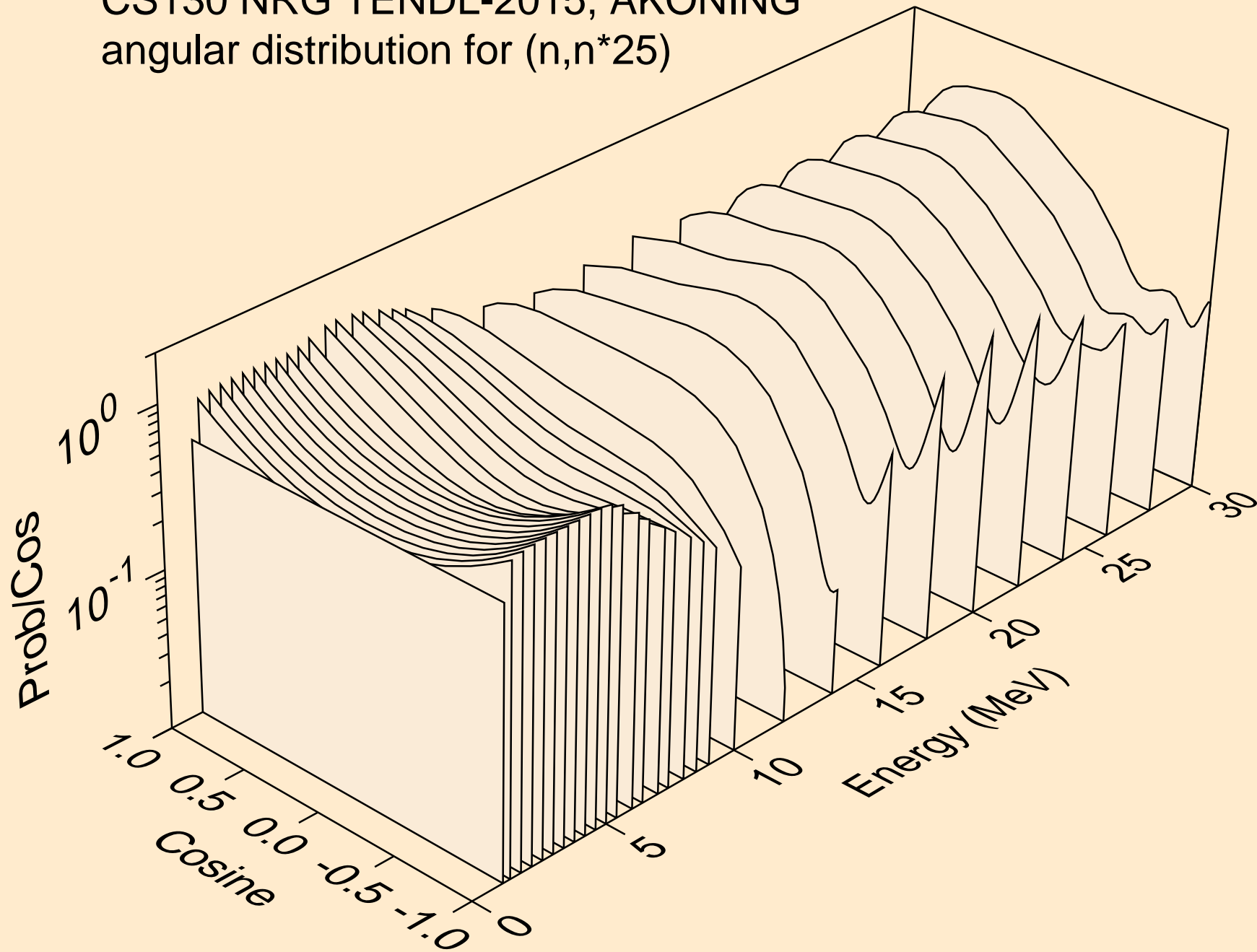
CS130 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)



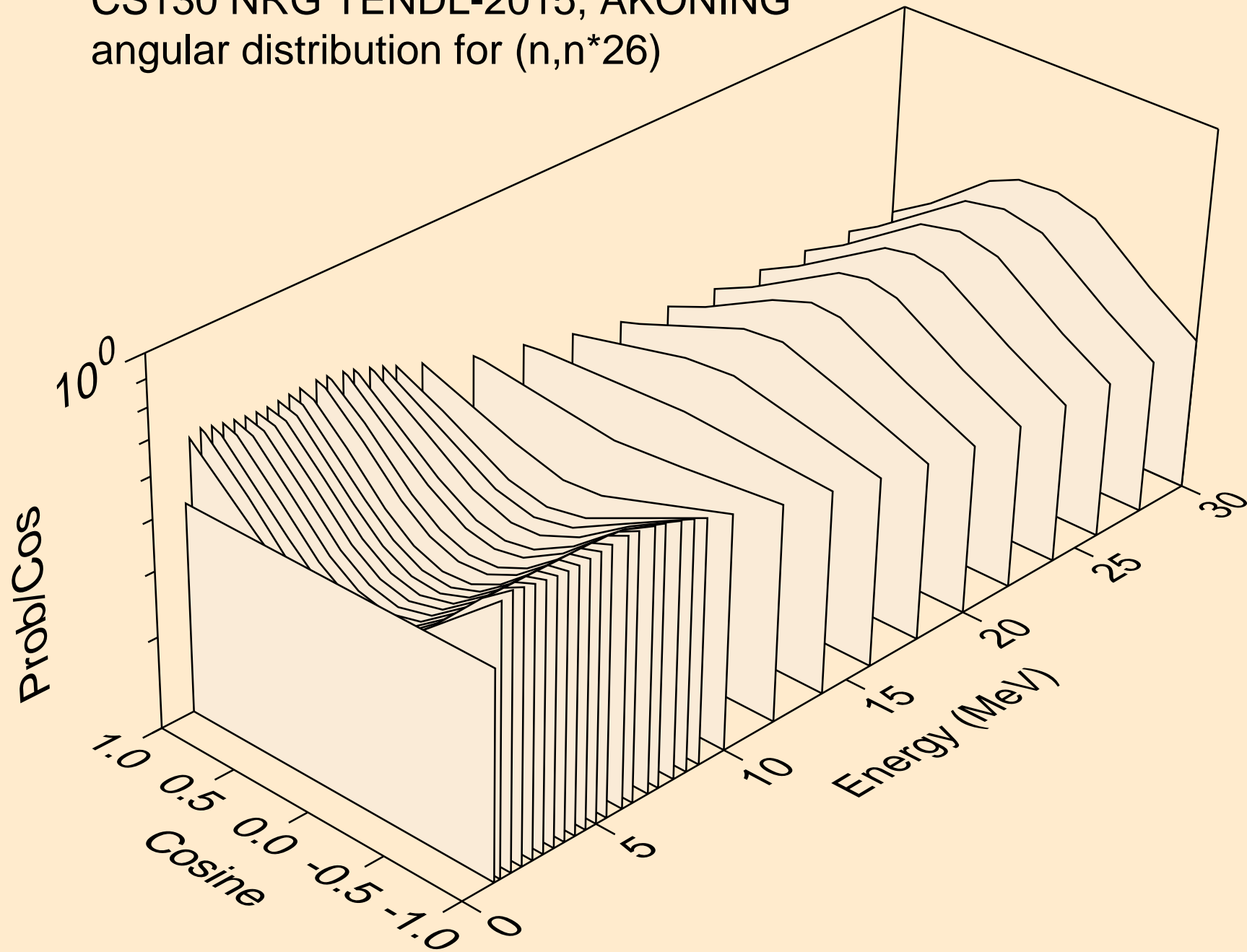
CS130 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)



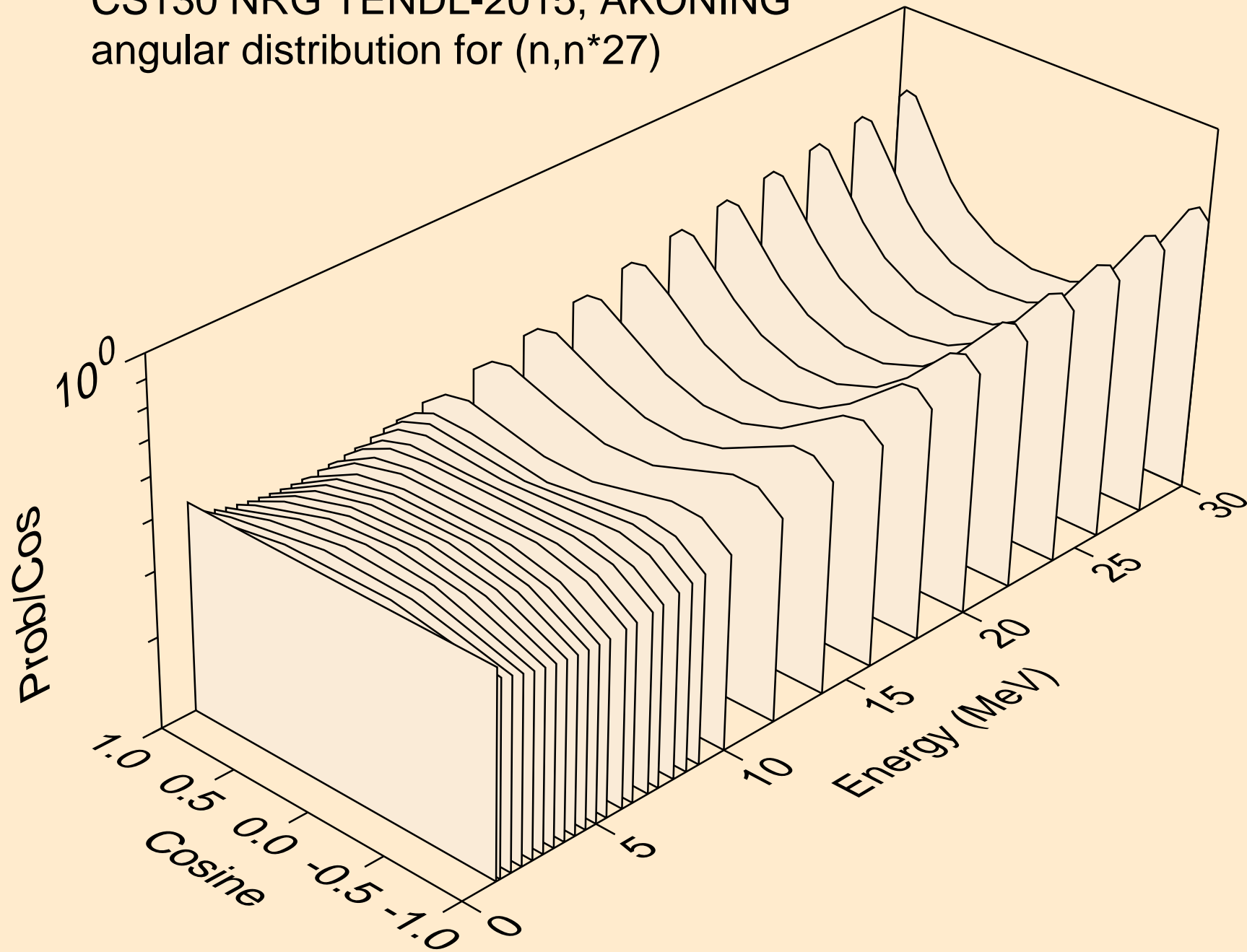
CS130 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



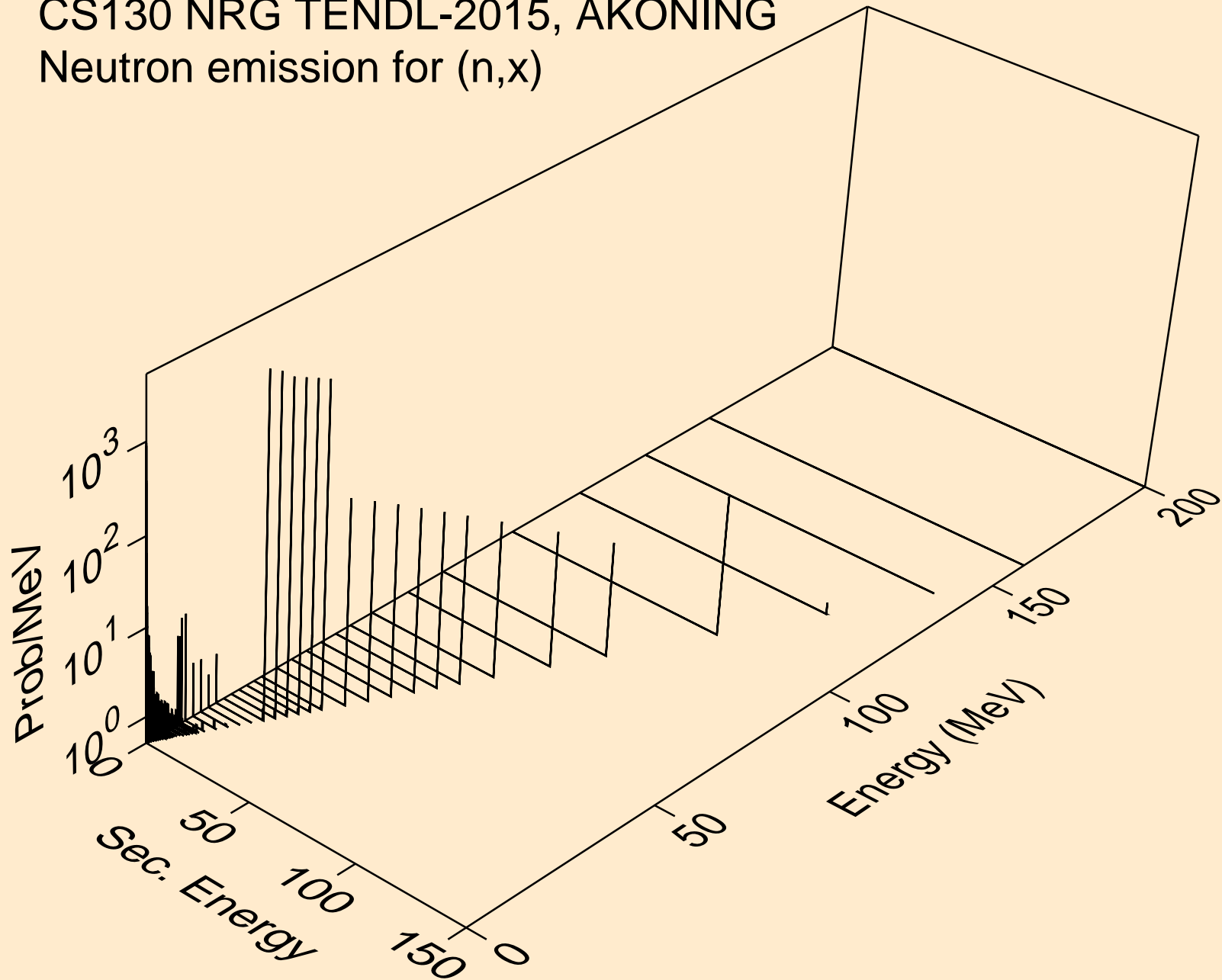
CS130 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



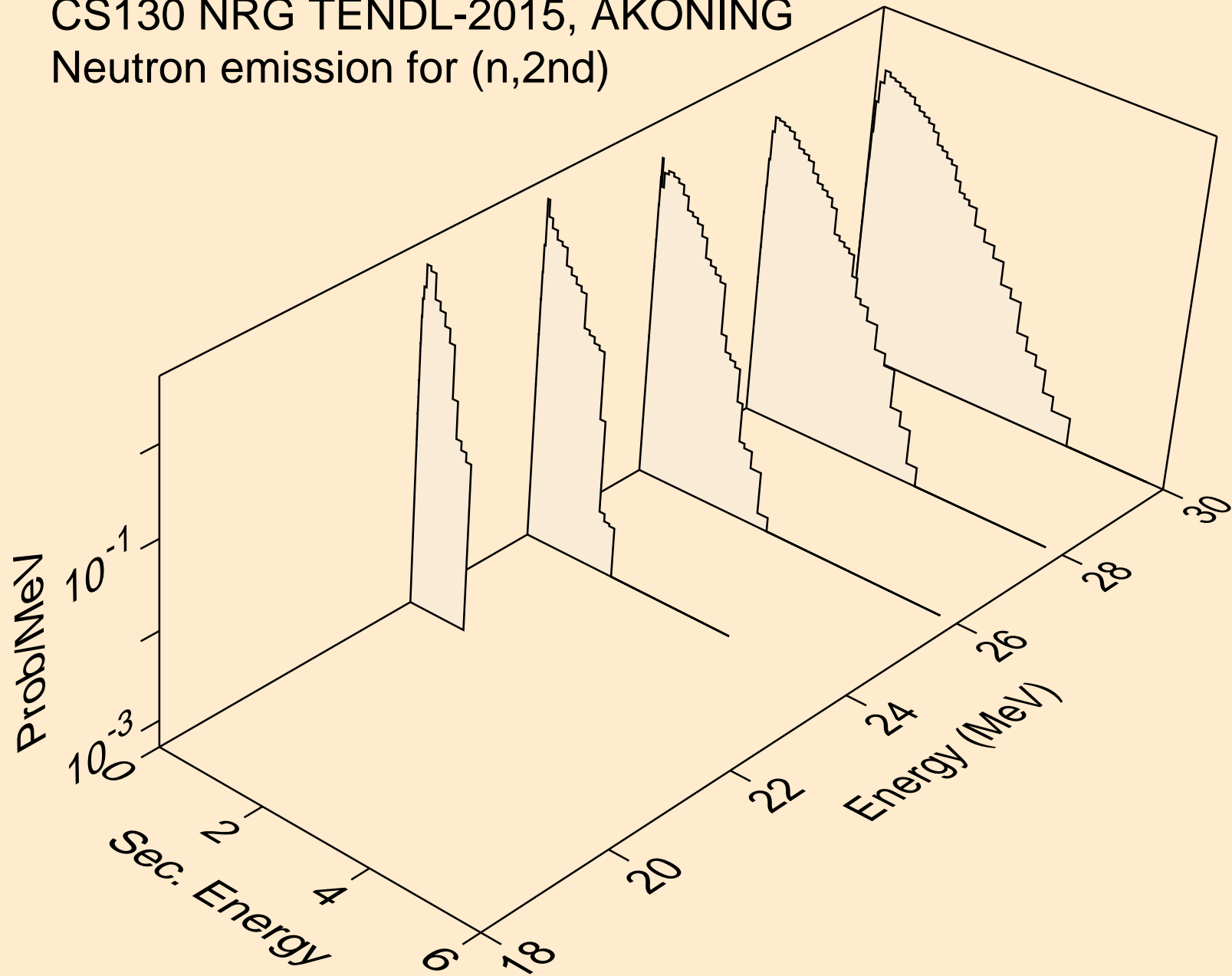
CS130 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*27)



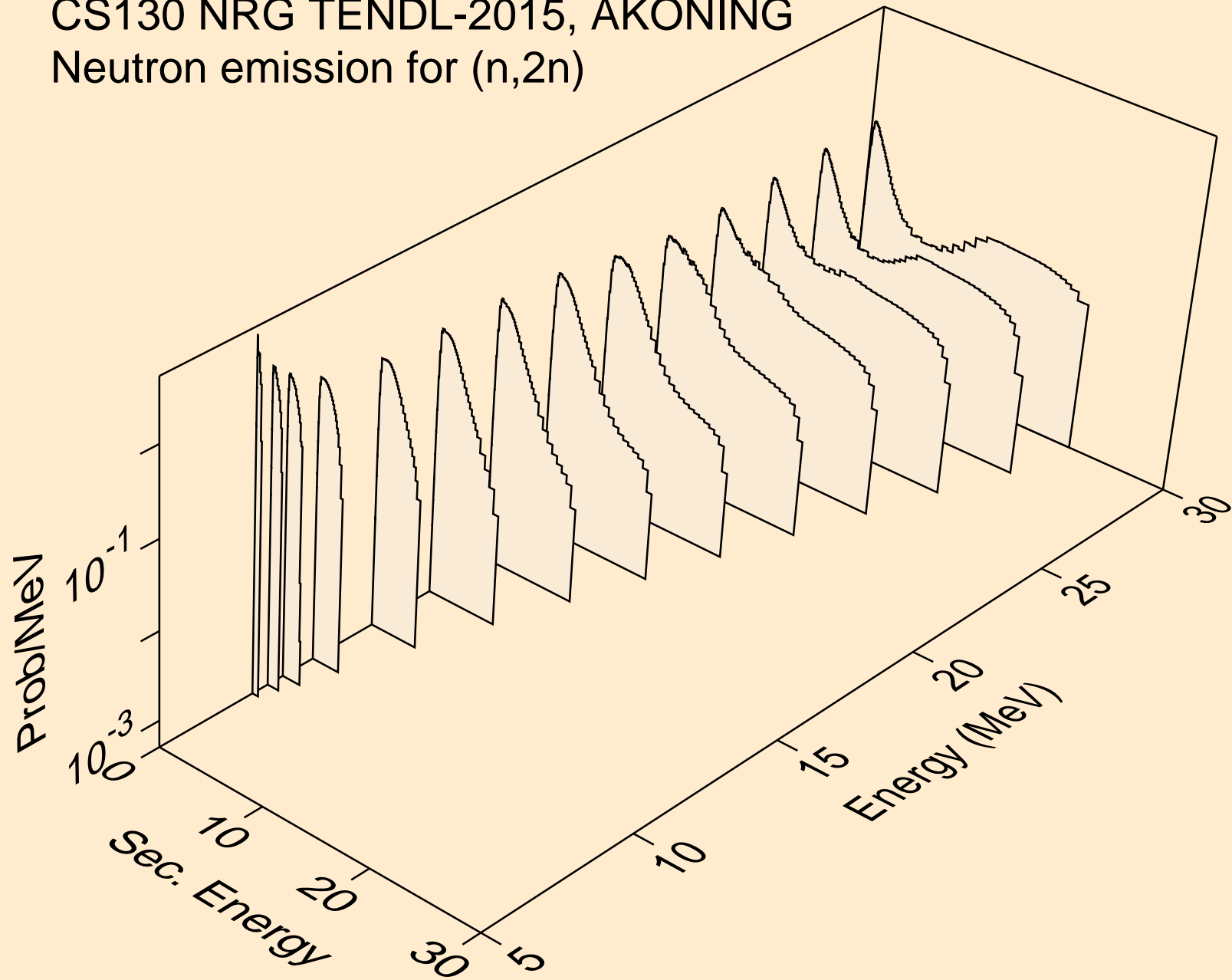
CS130 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



CS130 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)

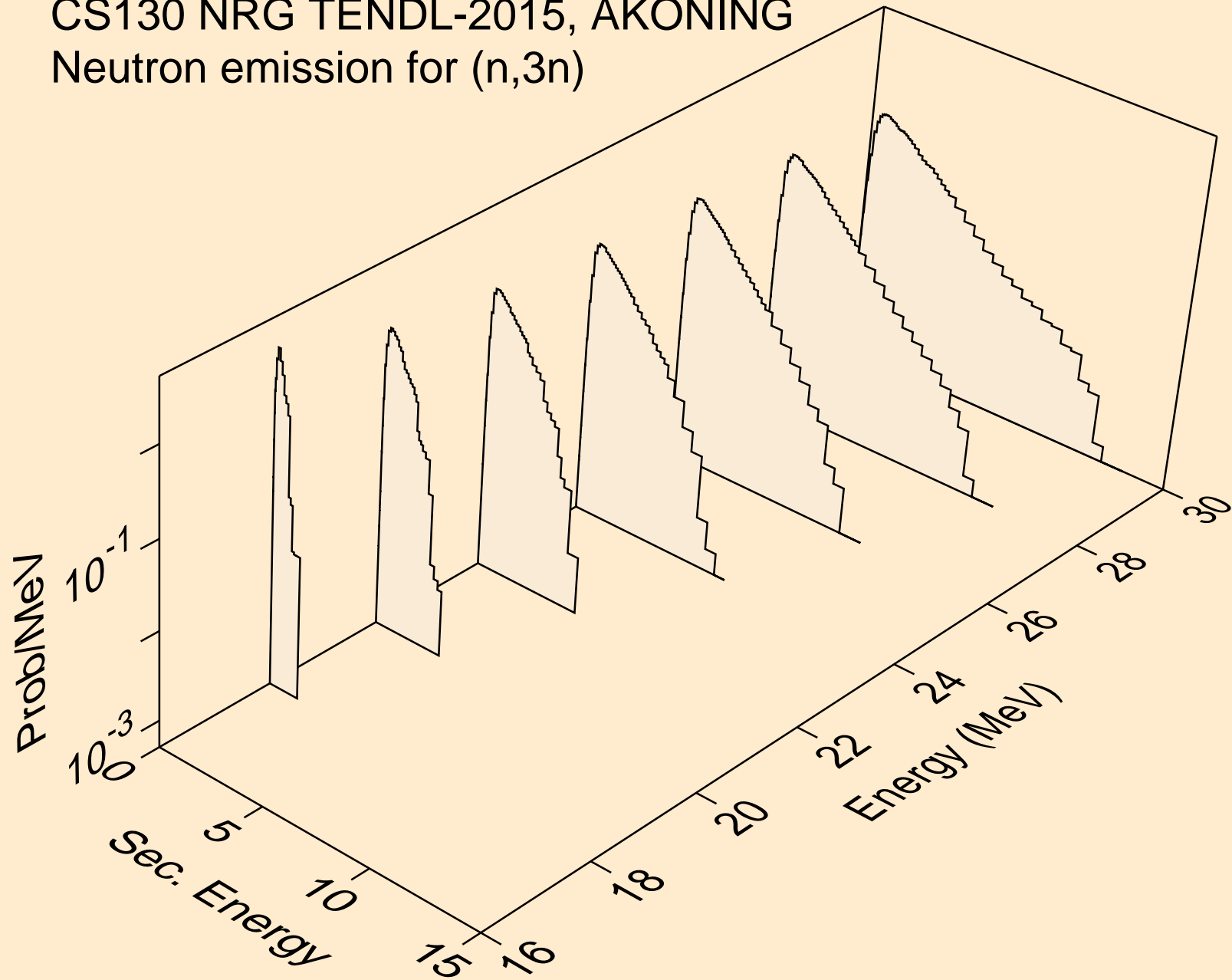


CS130 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)

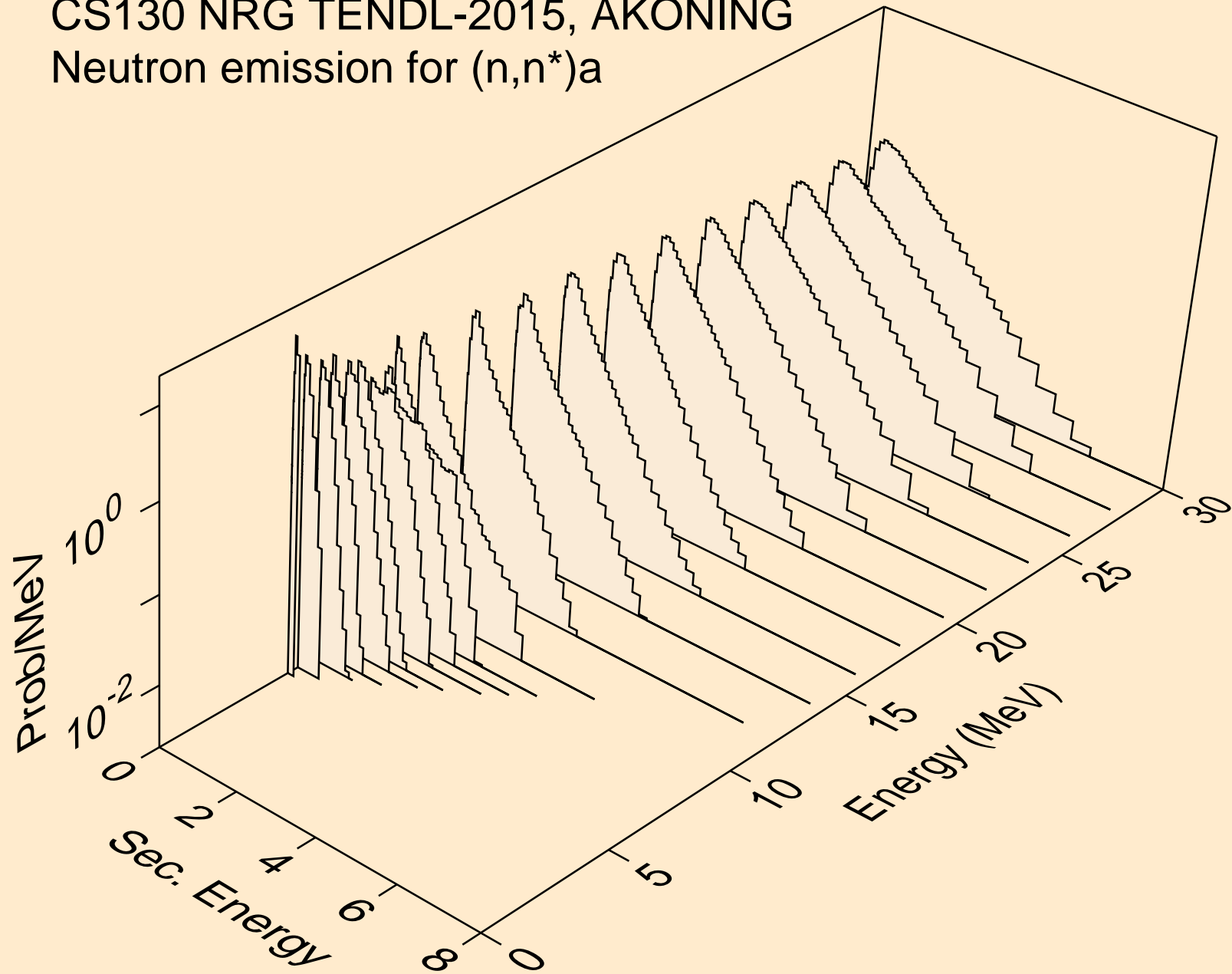




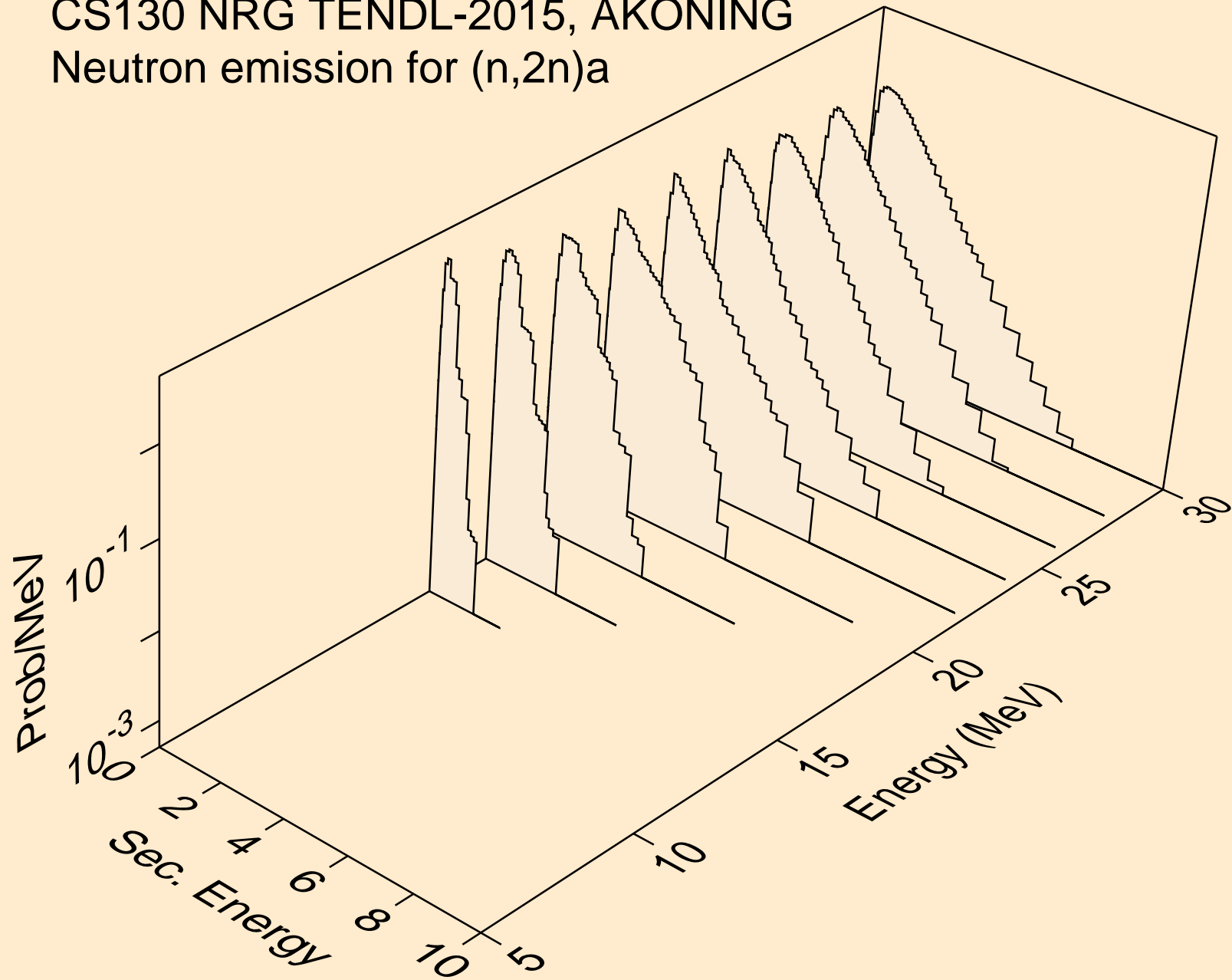
CS130 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



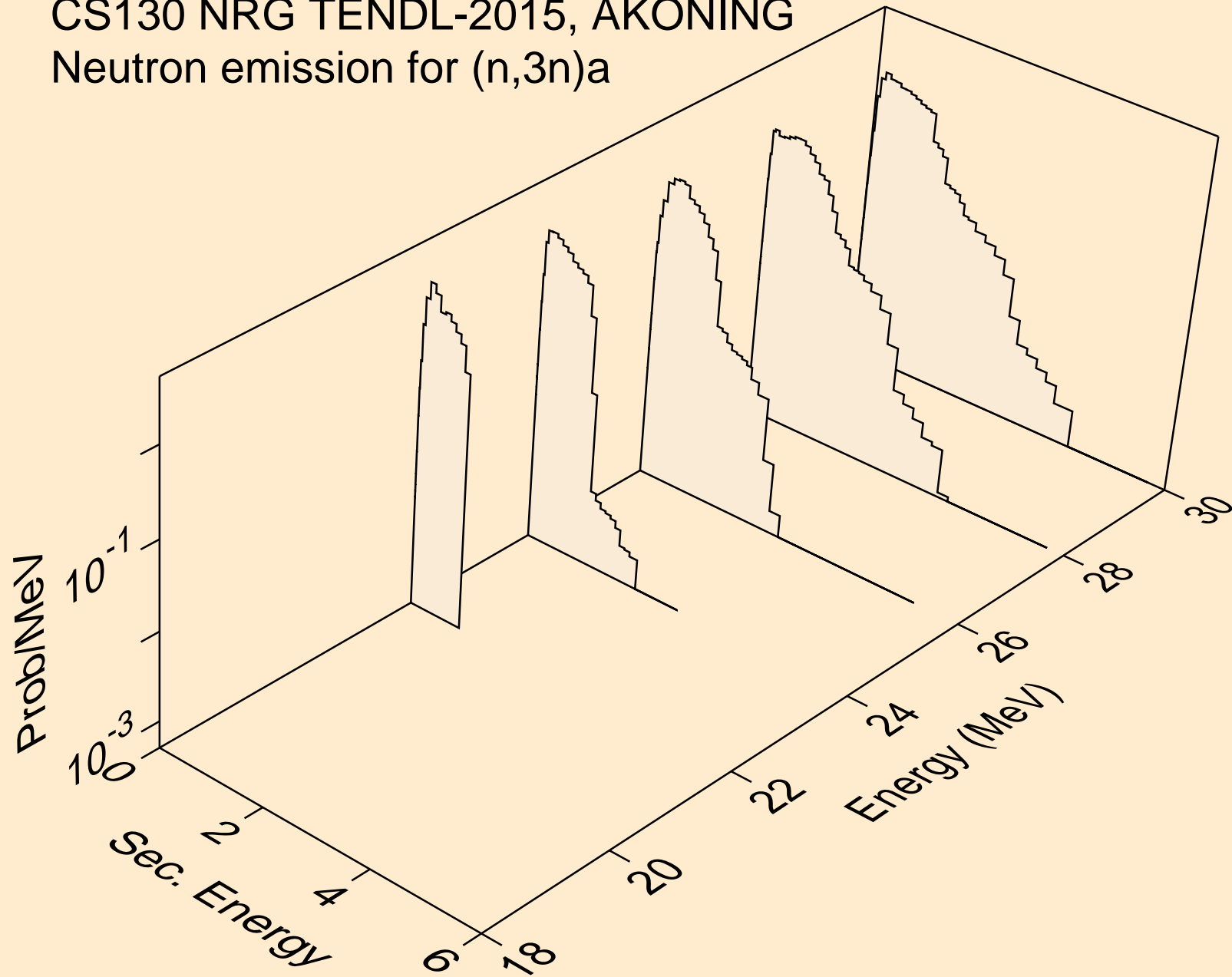
CS130 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



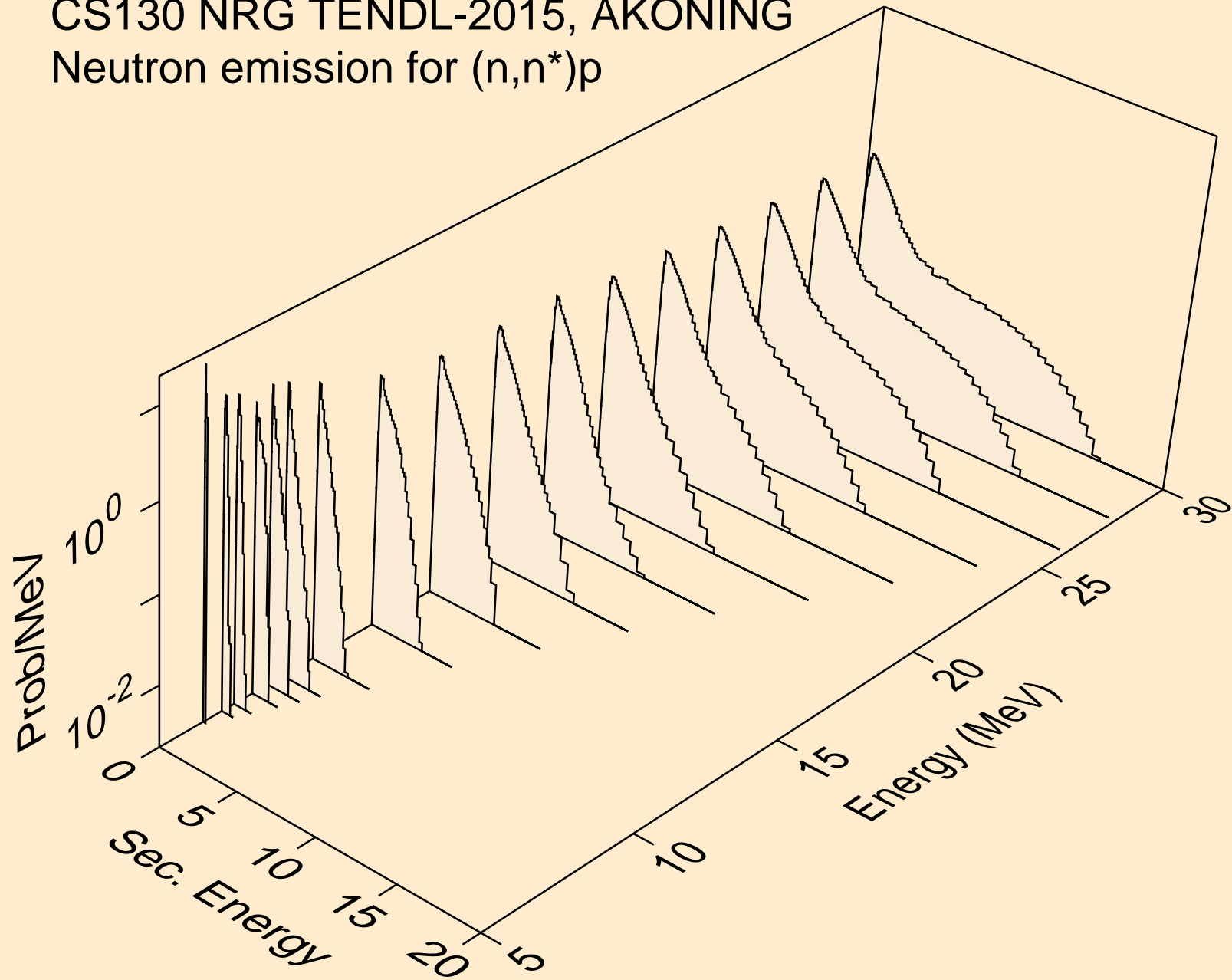
CS130 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



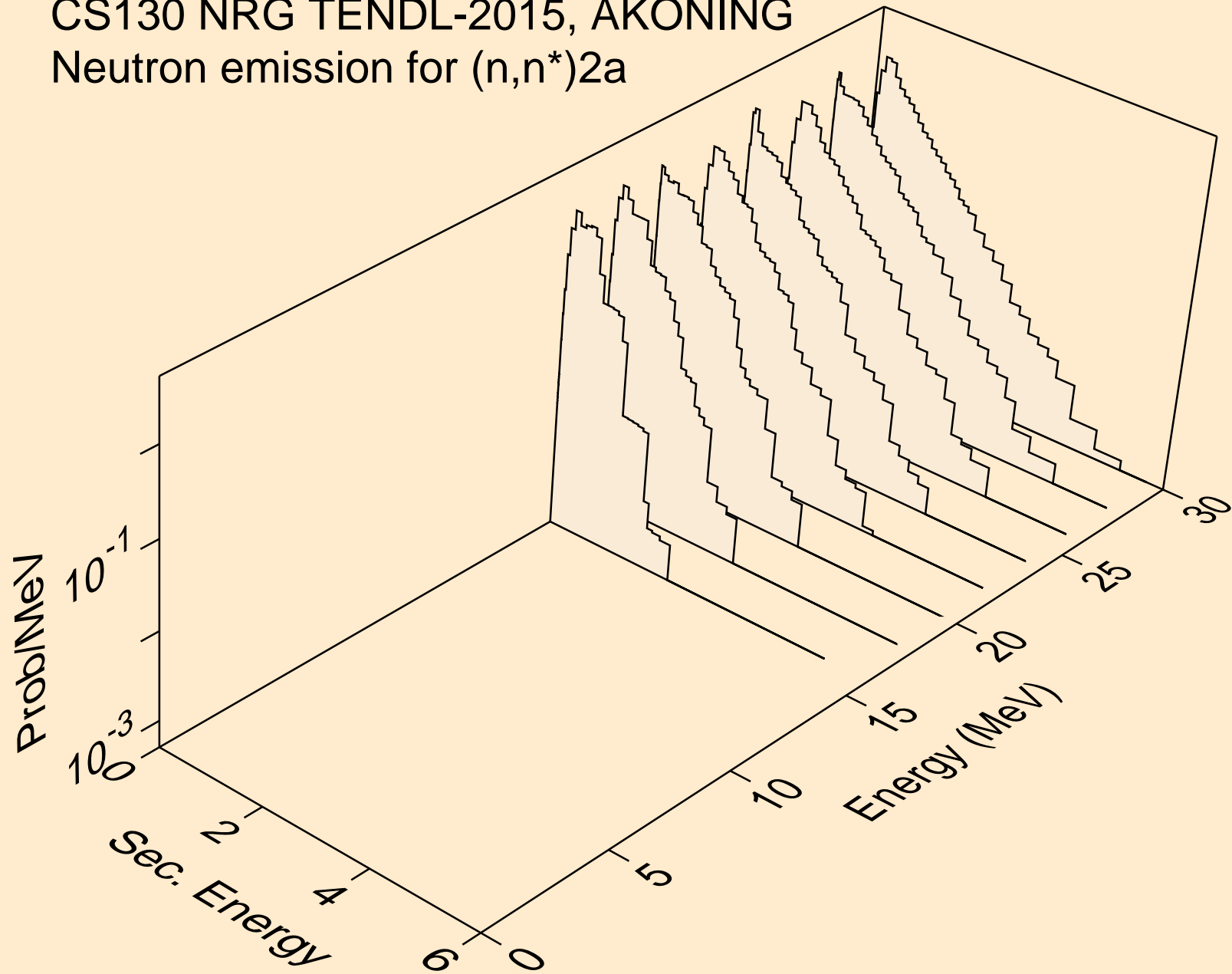
CS130 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



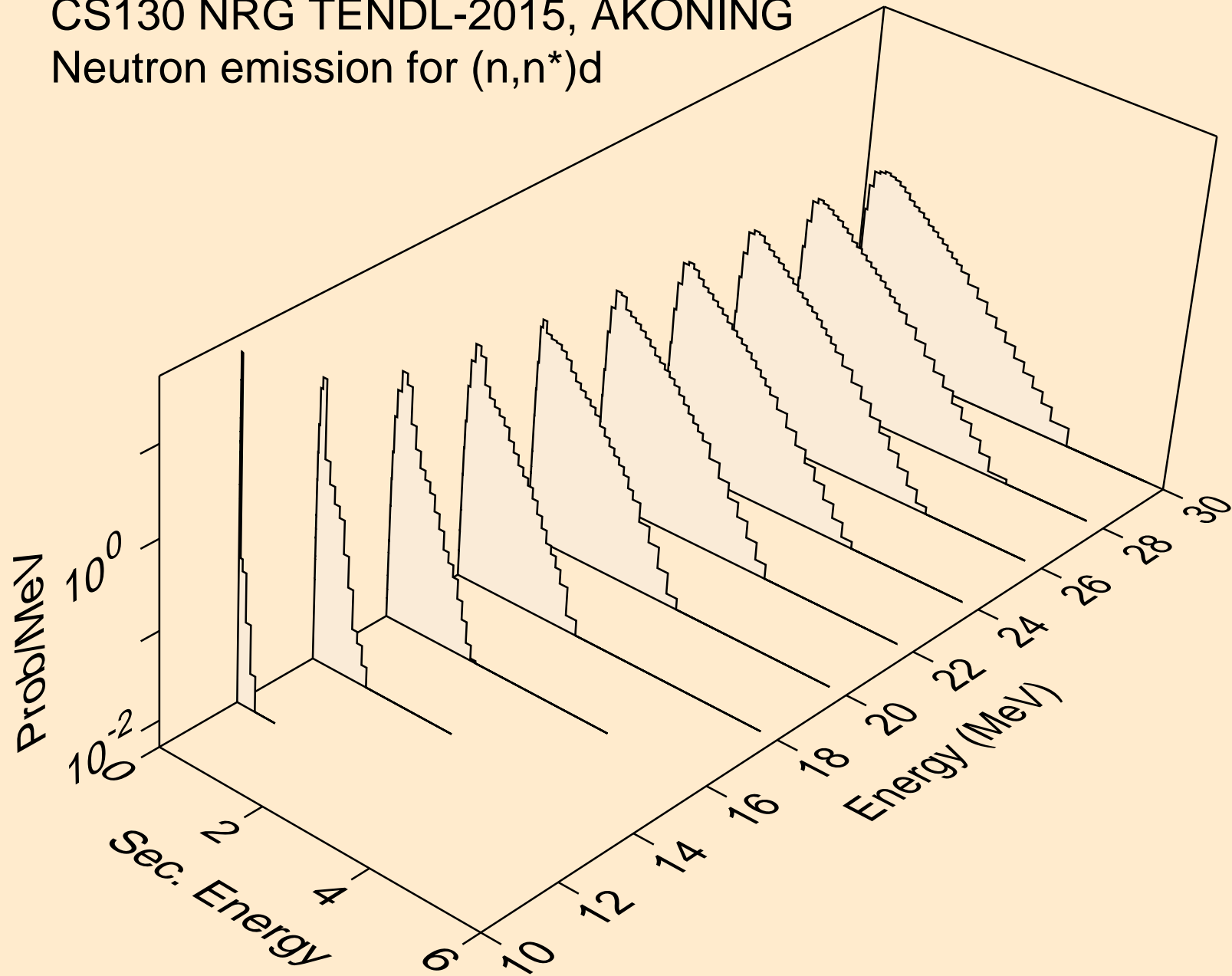
CS130 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



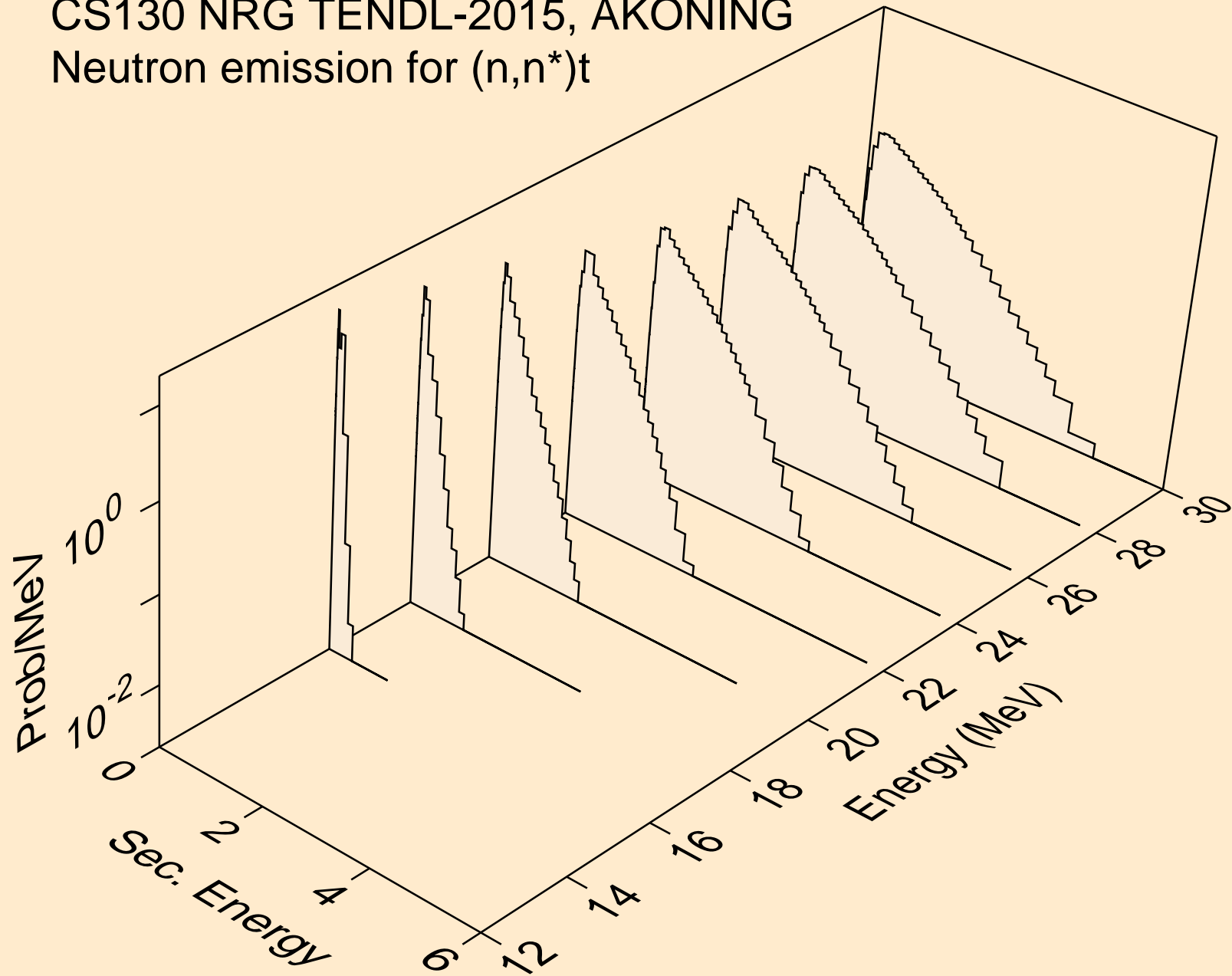
CS130 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



CS130 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d

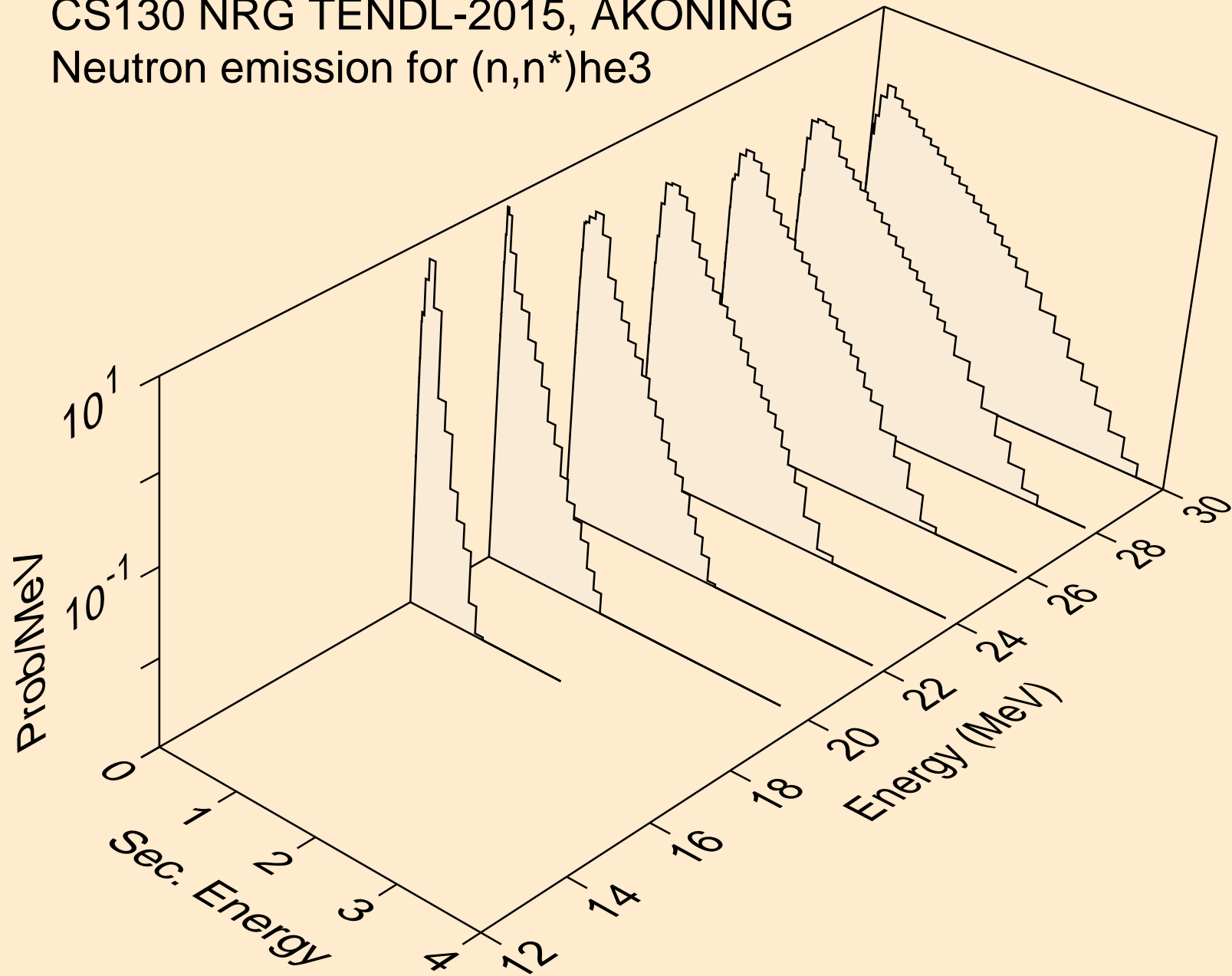


CS130 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t

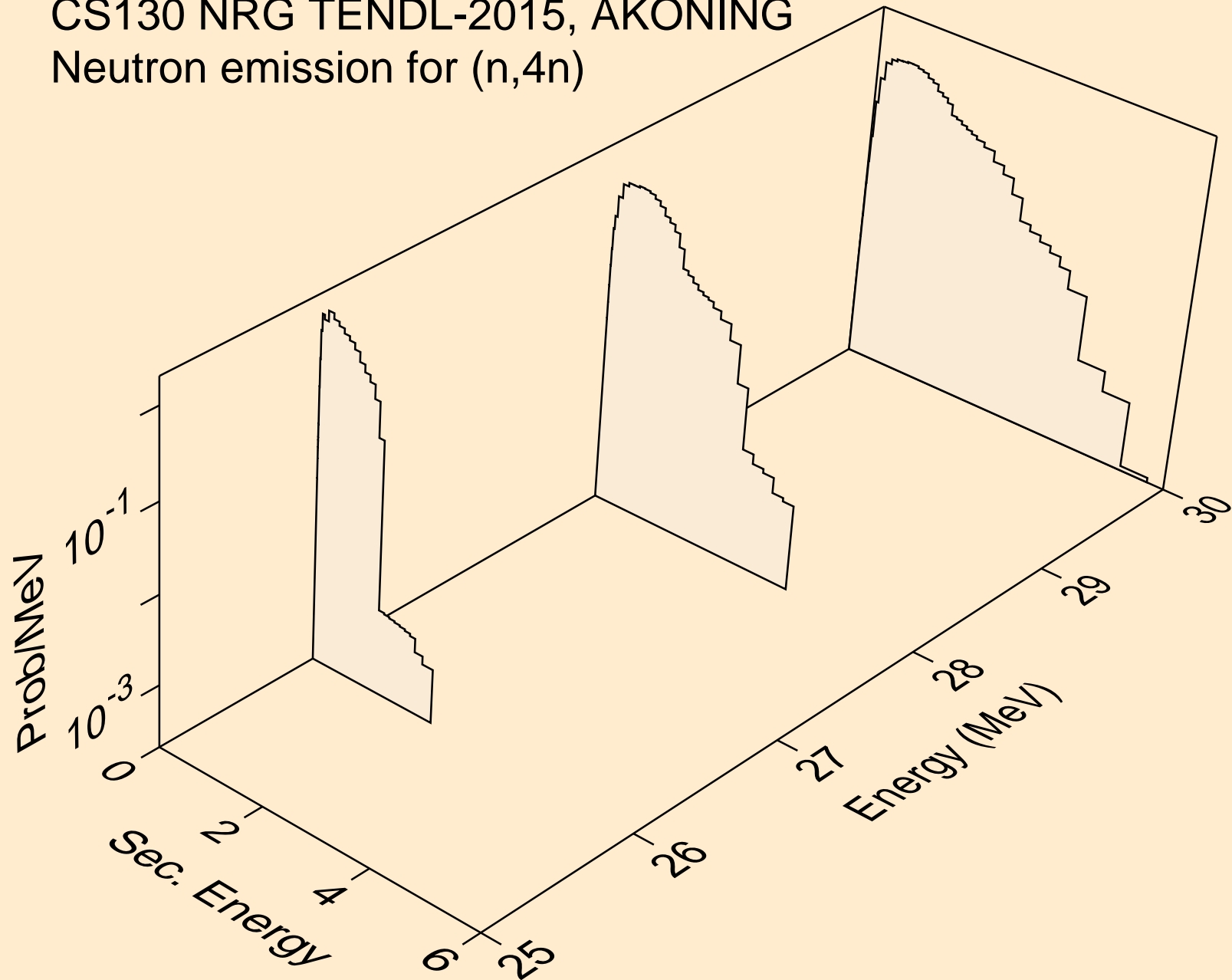




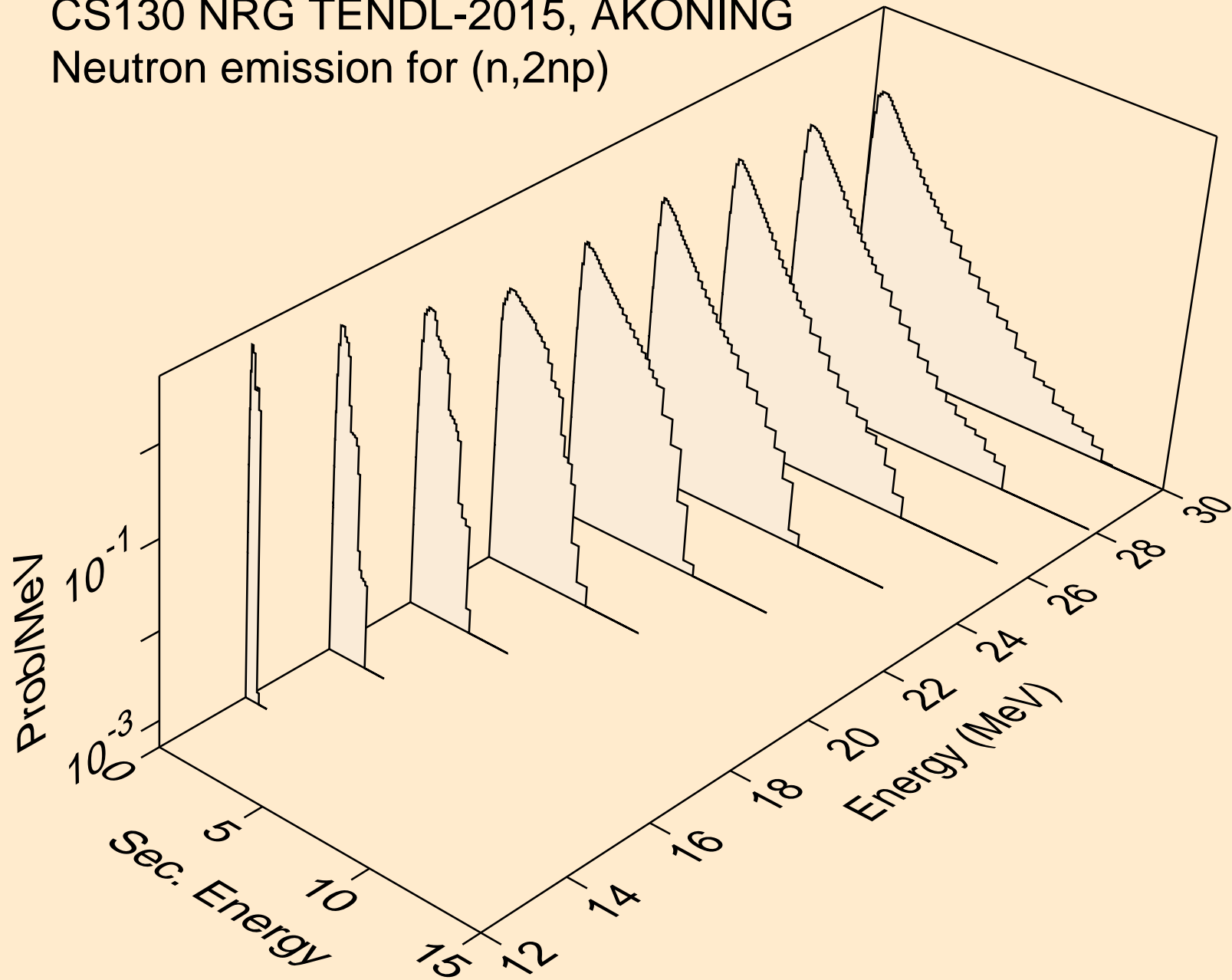
CS130 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



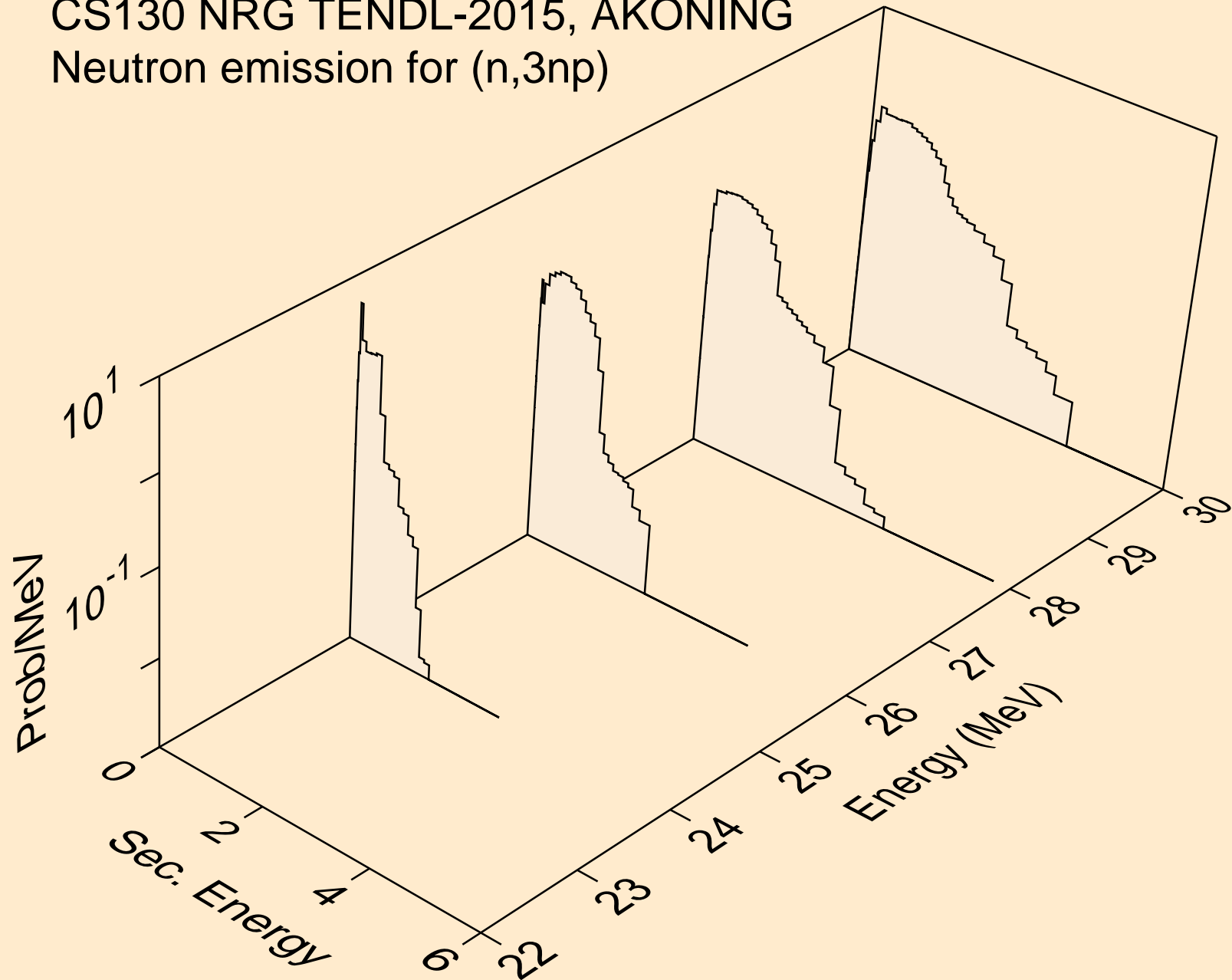
CS130 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



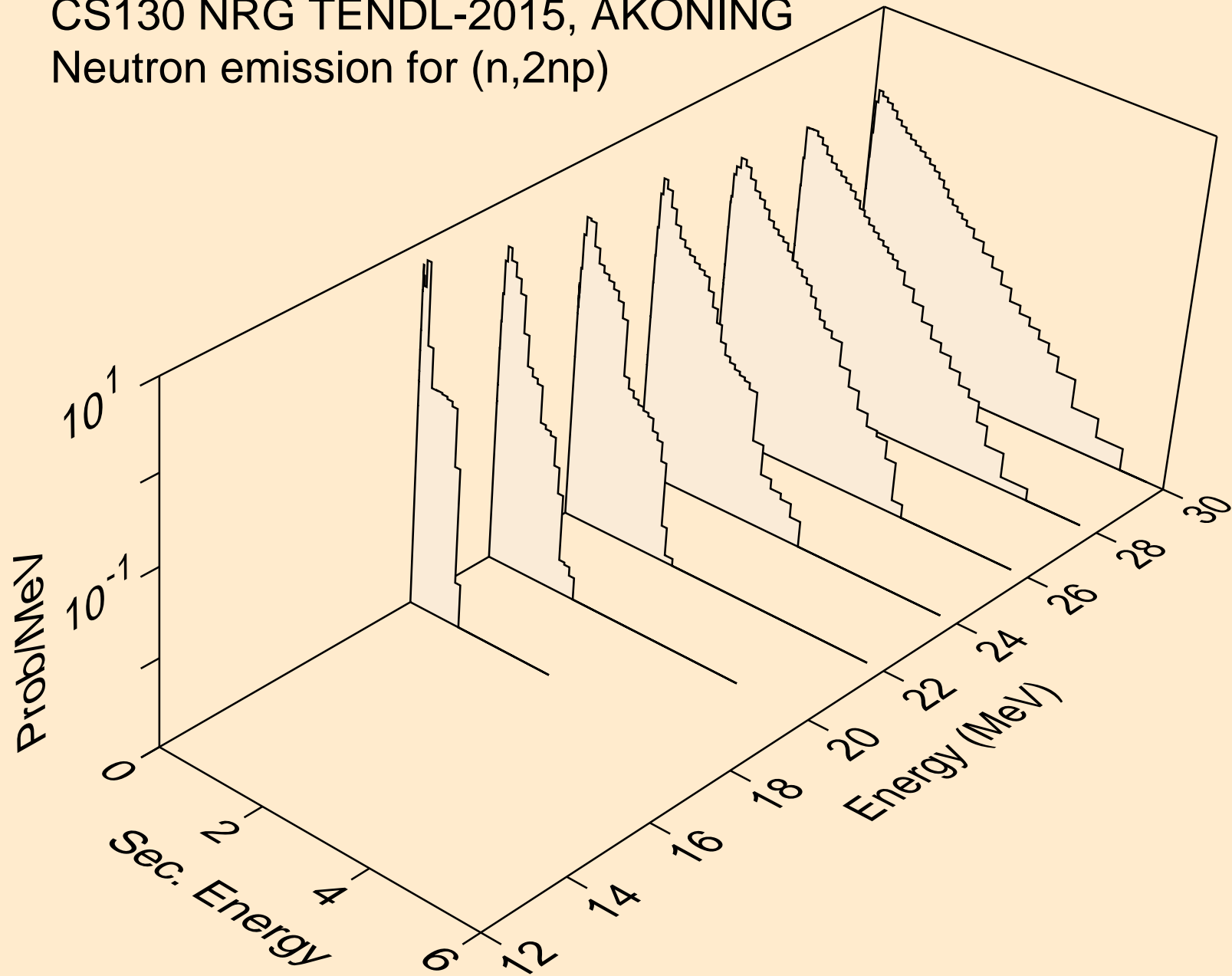
CS130 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



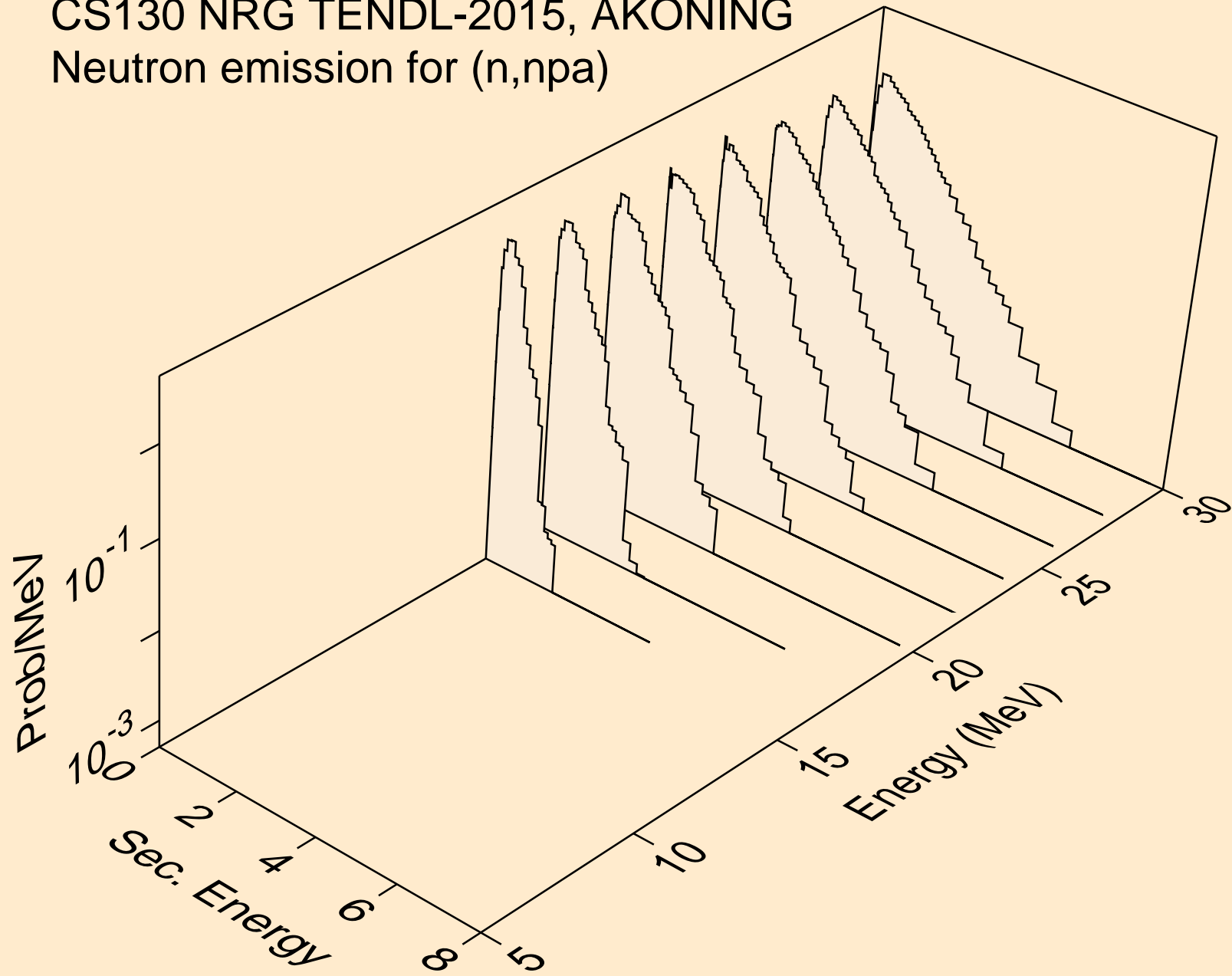
CS130 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



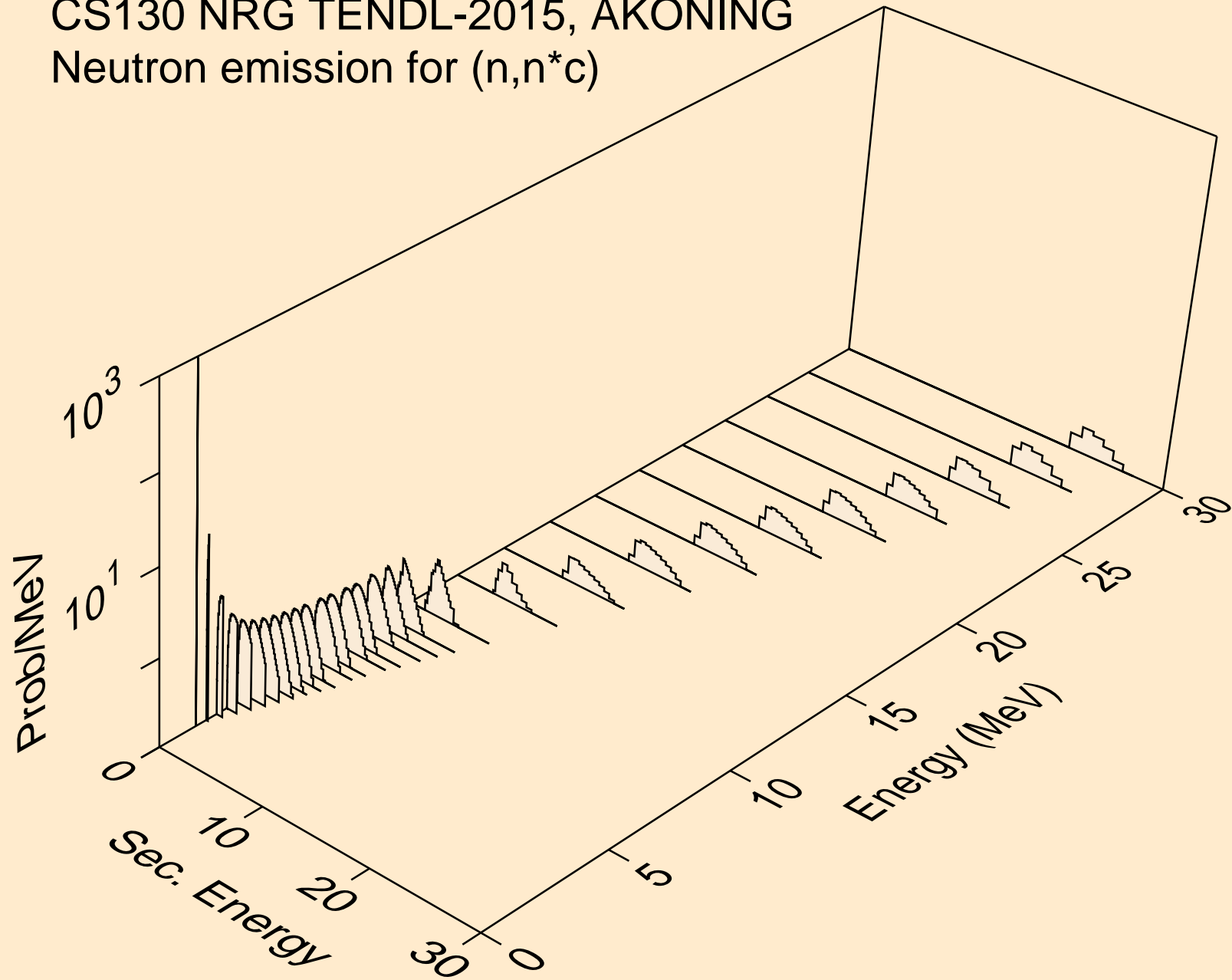
CS130 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



CS130 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)

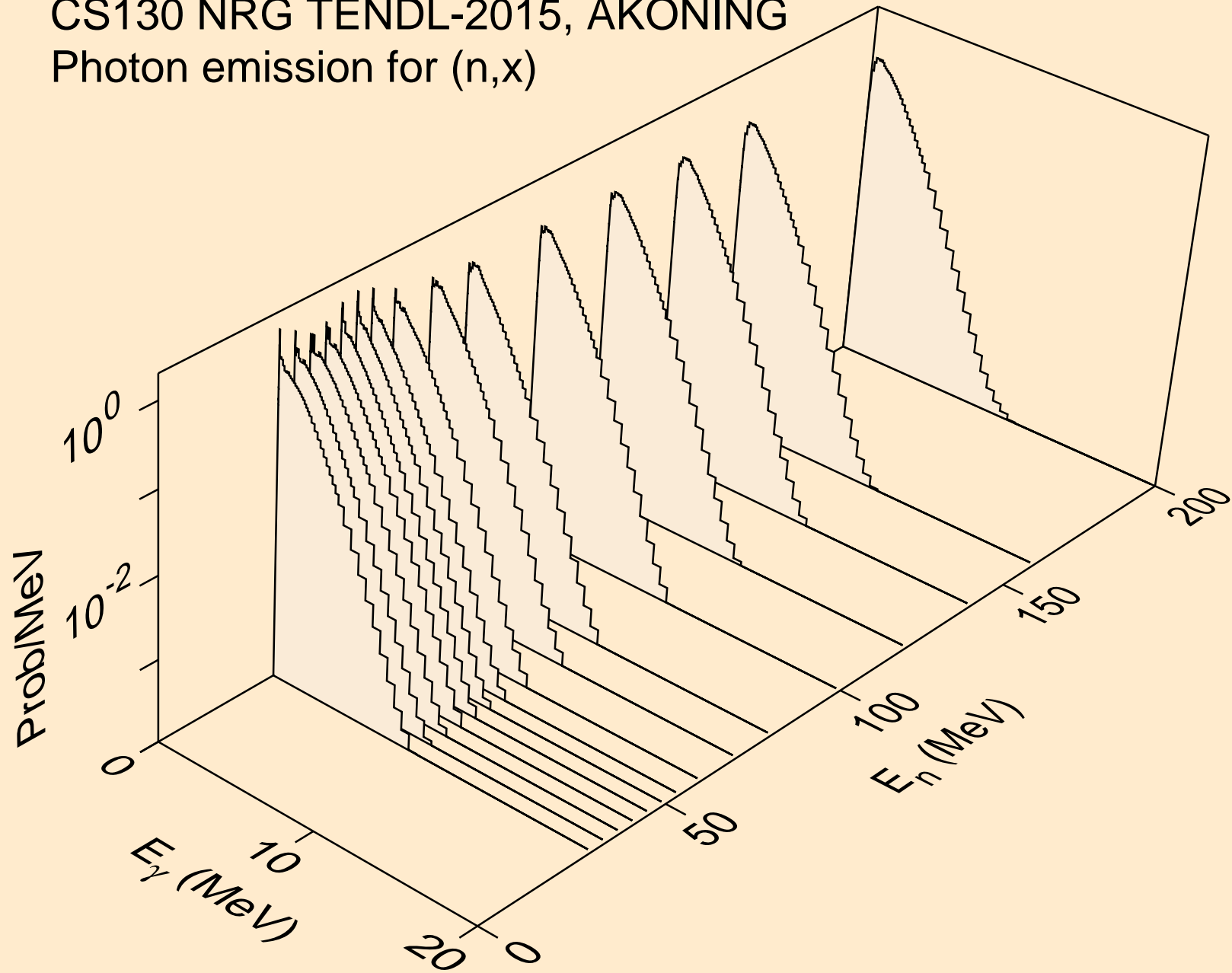


CS130 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



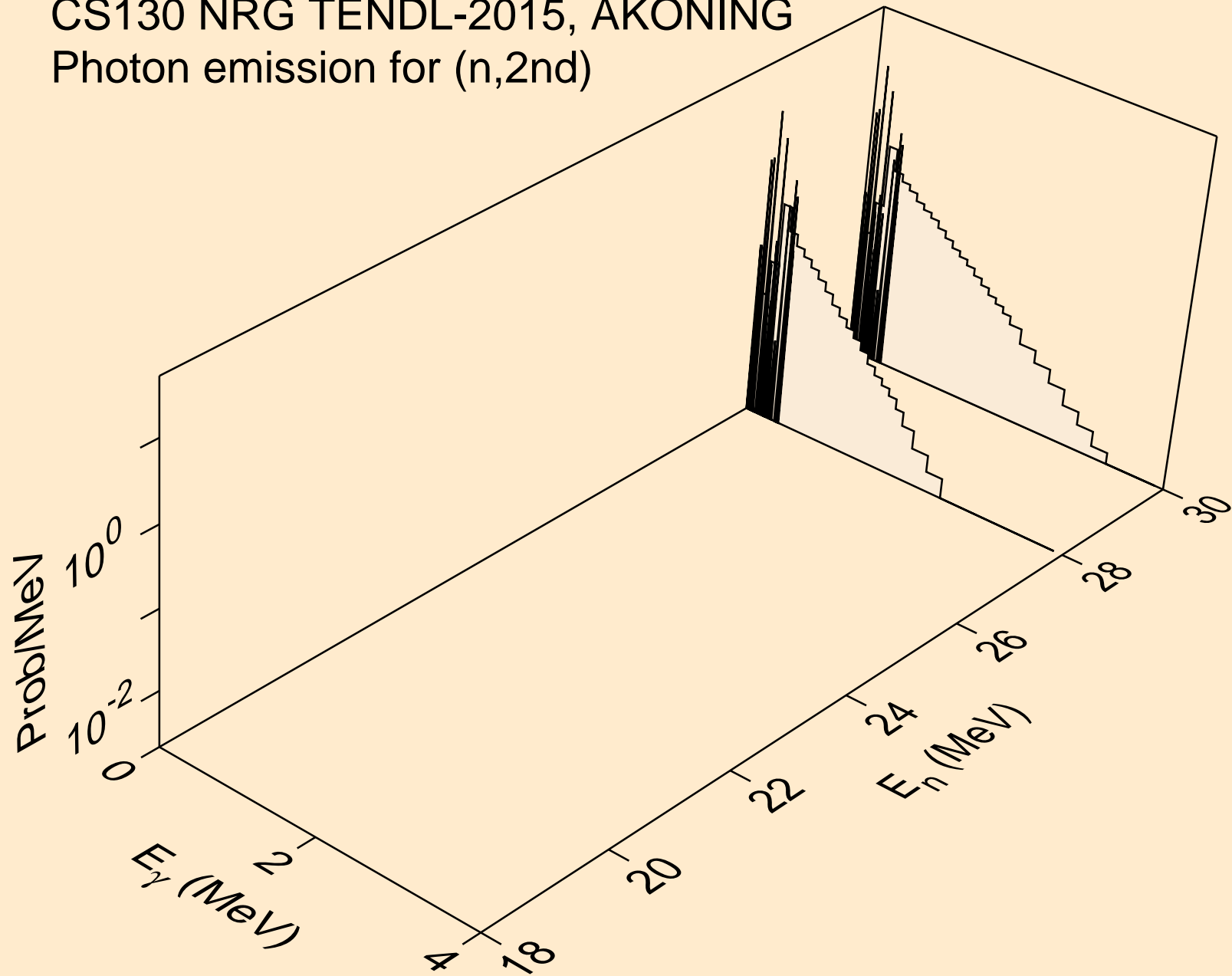
# CS130 NRG TENDL-2015, AKONING

Photon emission for (n,x)

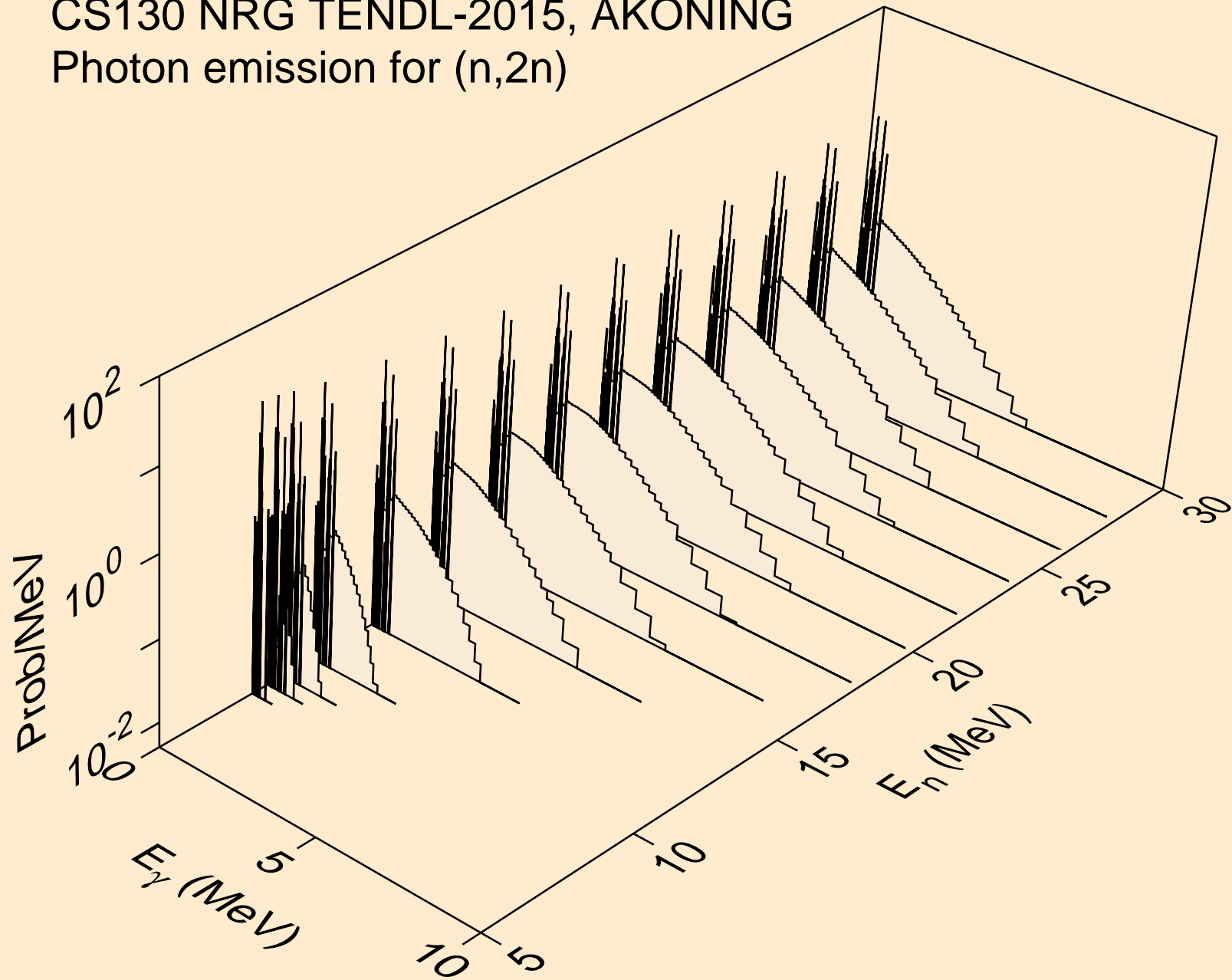




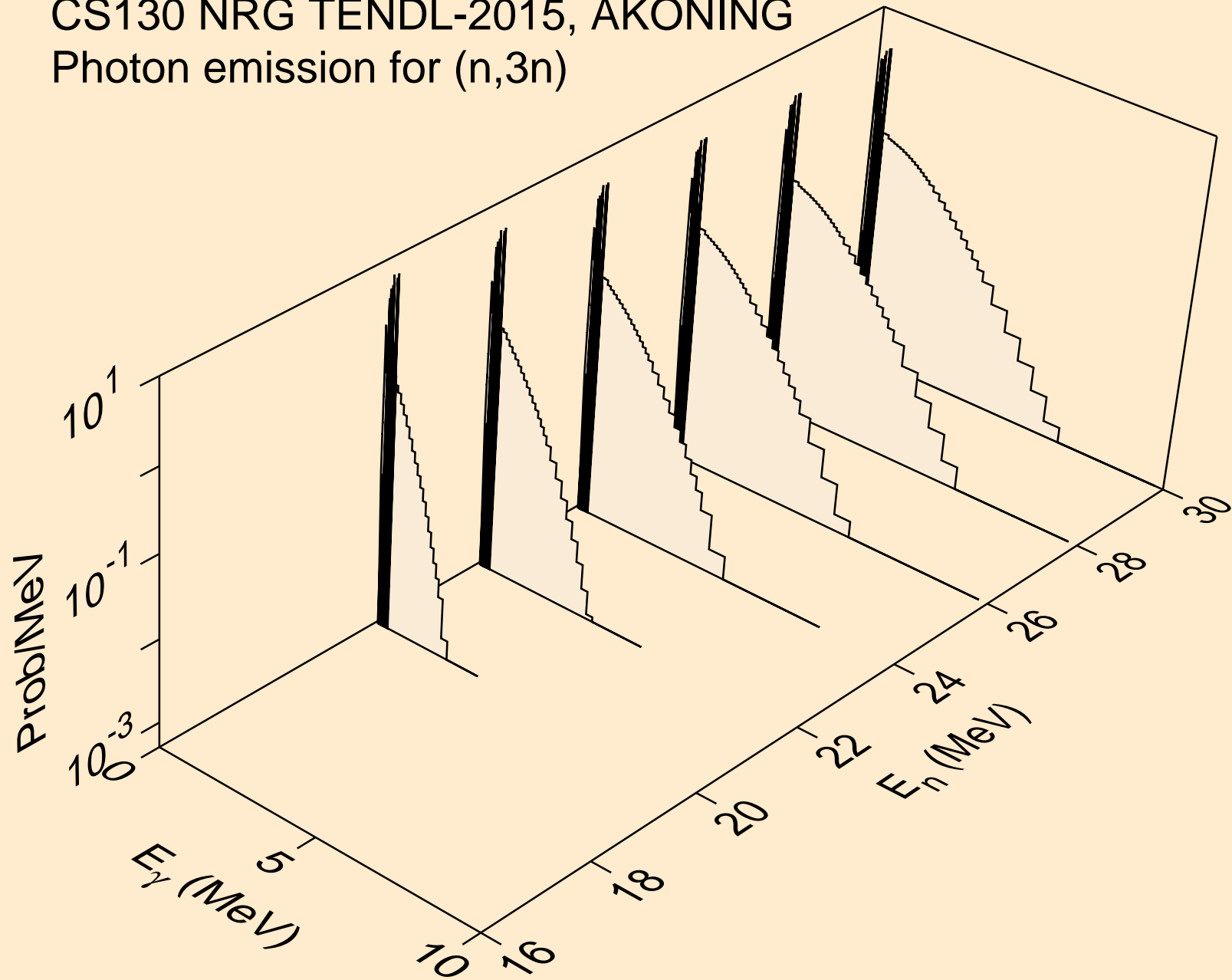
CS130 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



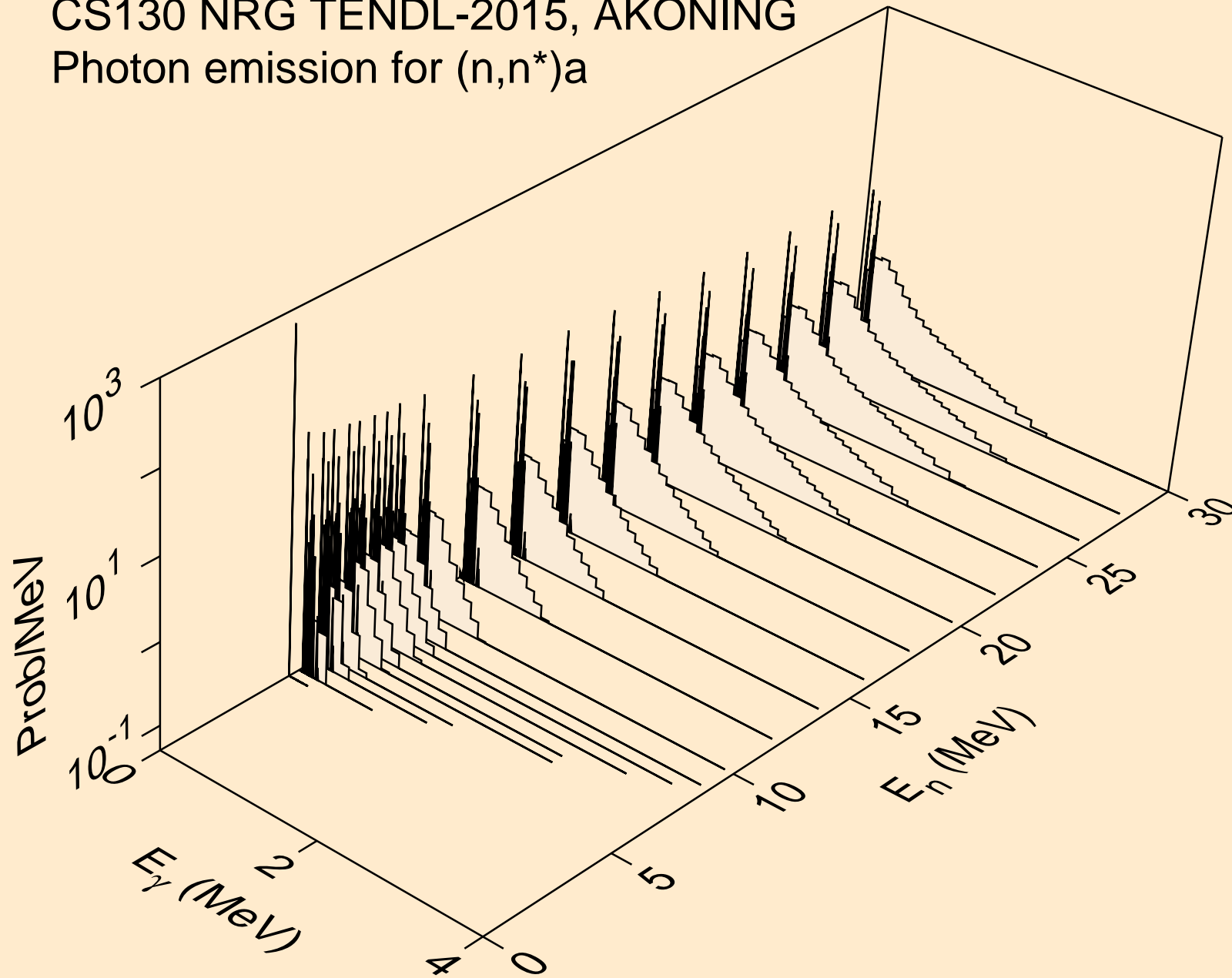
CS130 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



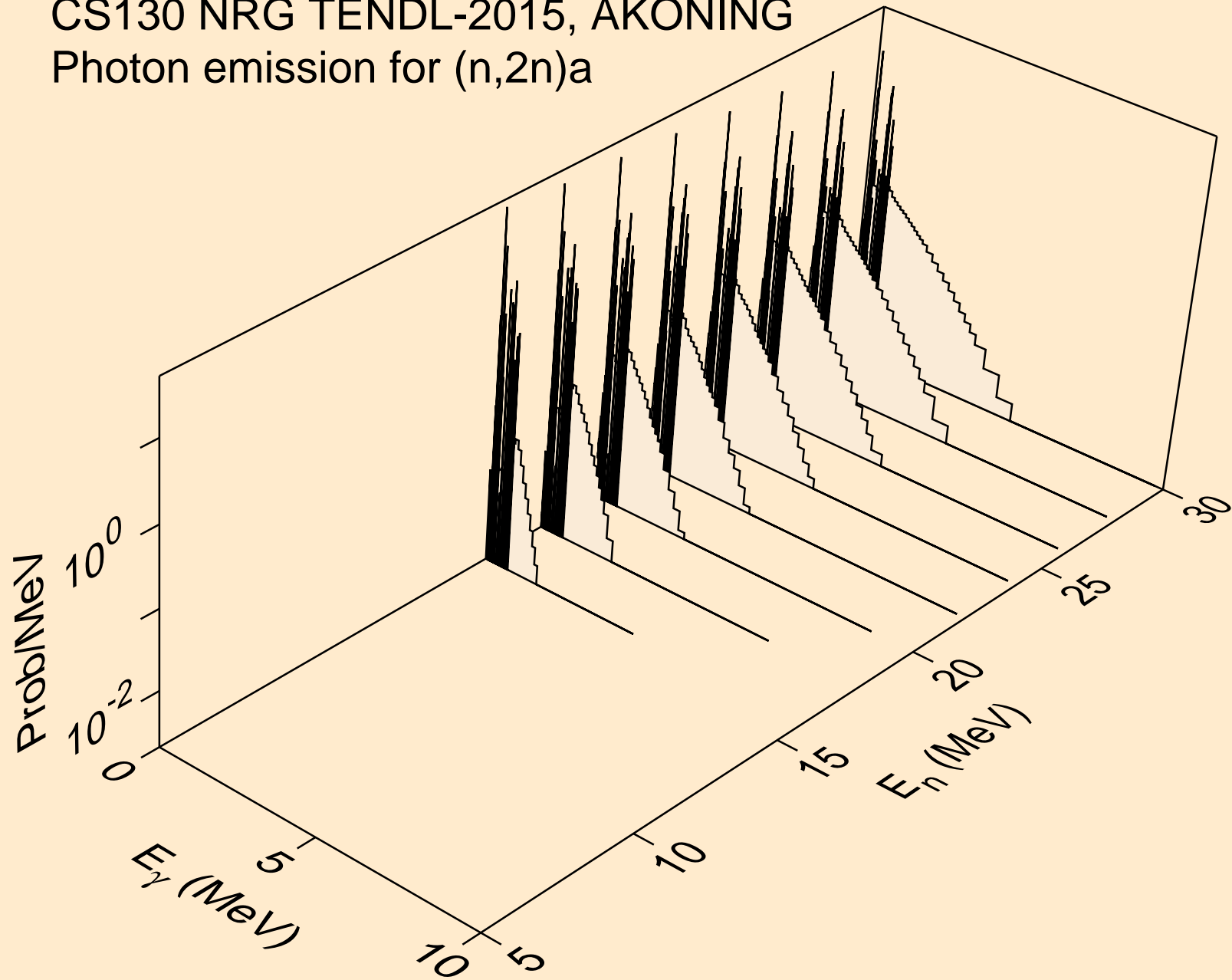
CS130 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



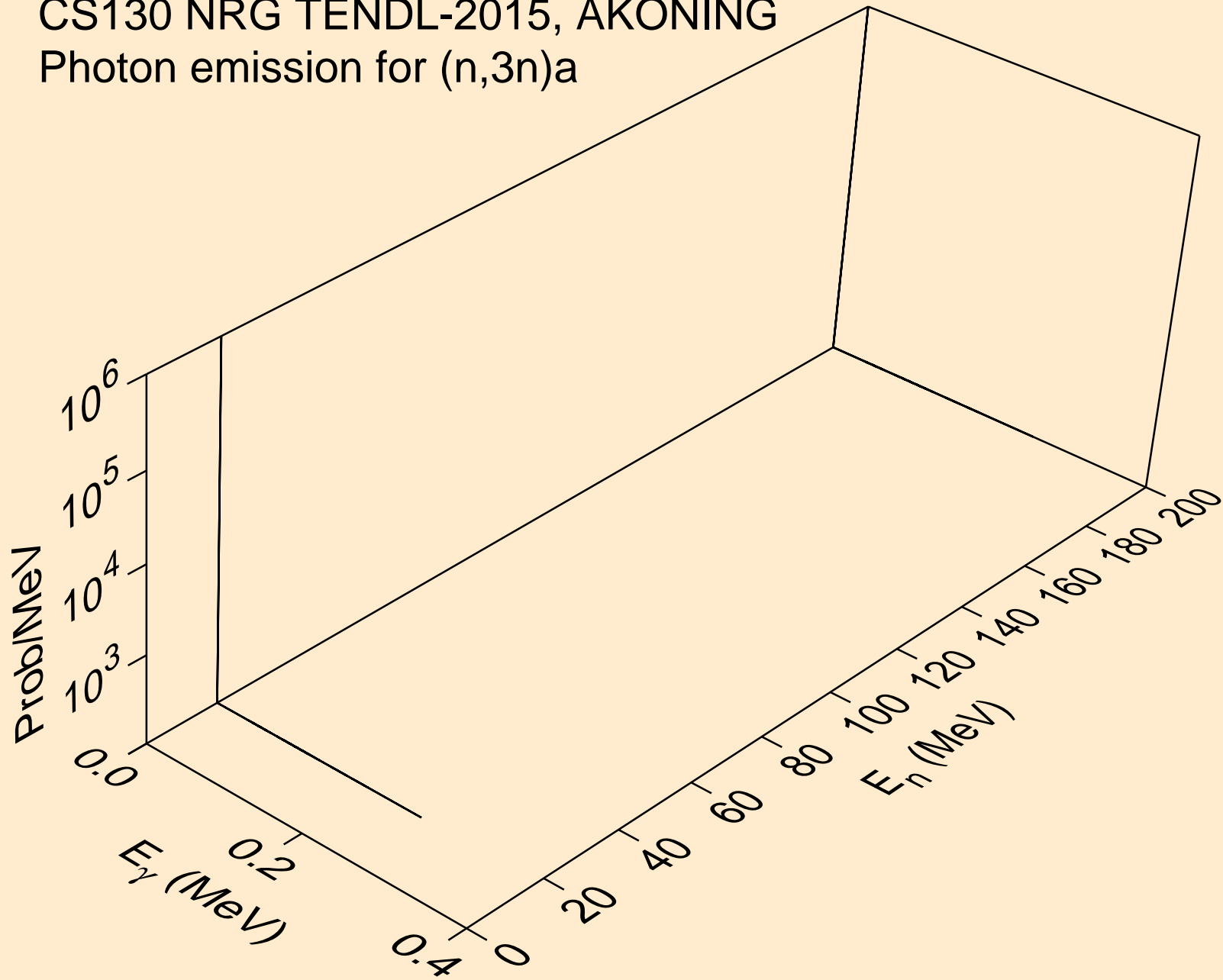
CS130 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



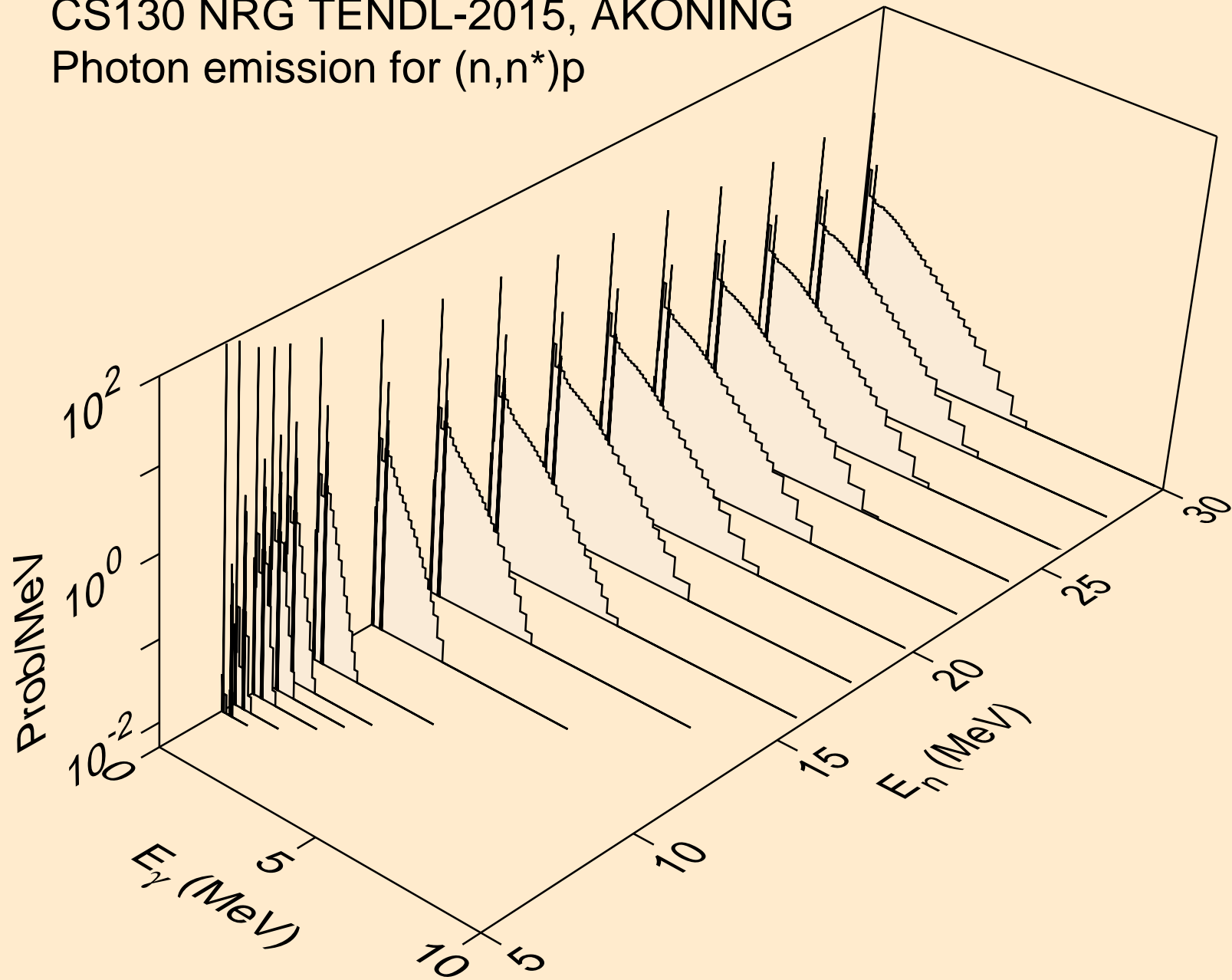
CS130 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



CS130 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a

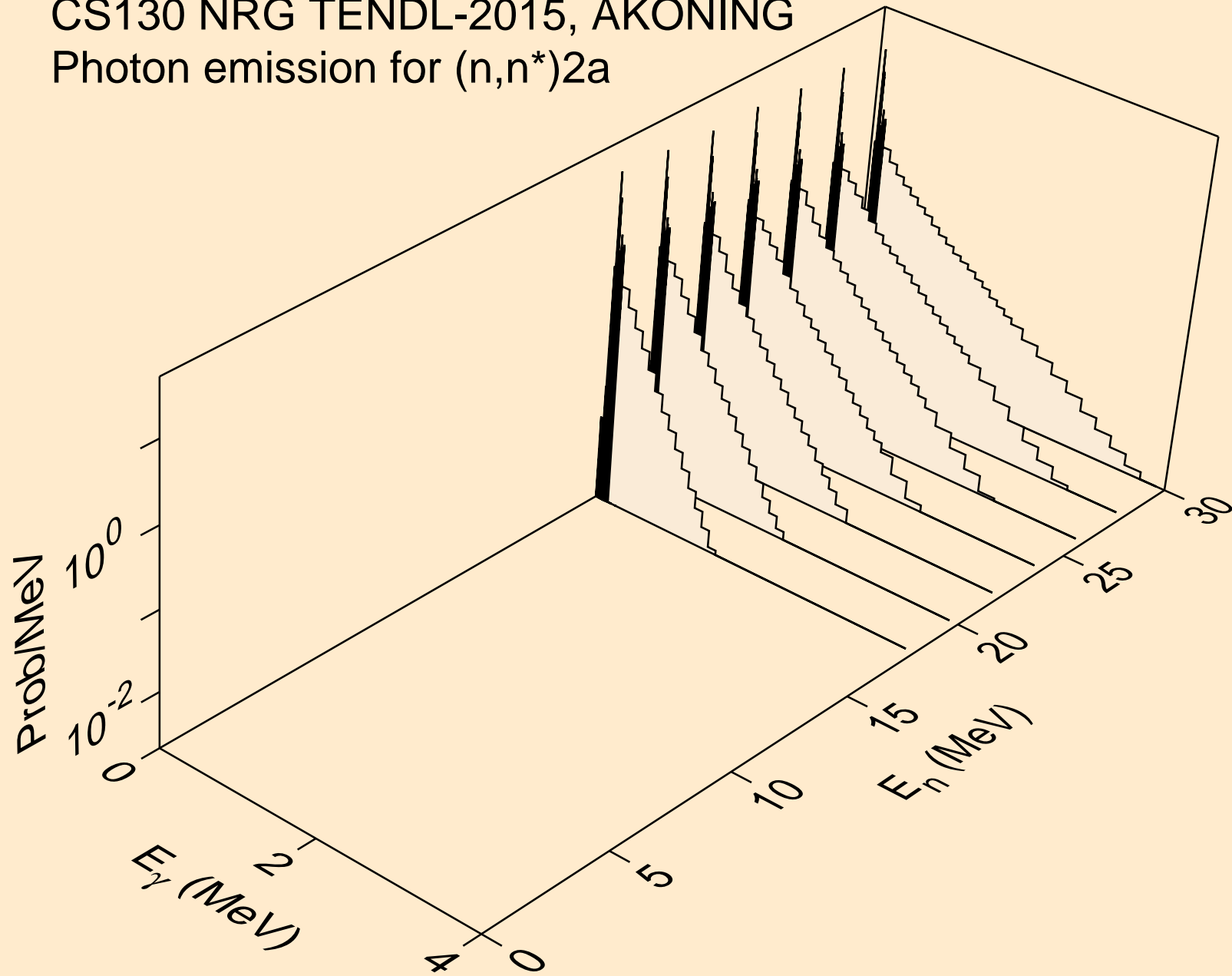


CS130 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



# CS130 NRG TENDL-2015, AKONING

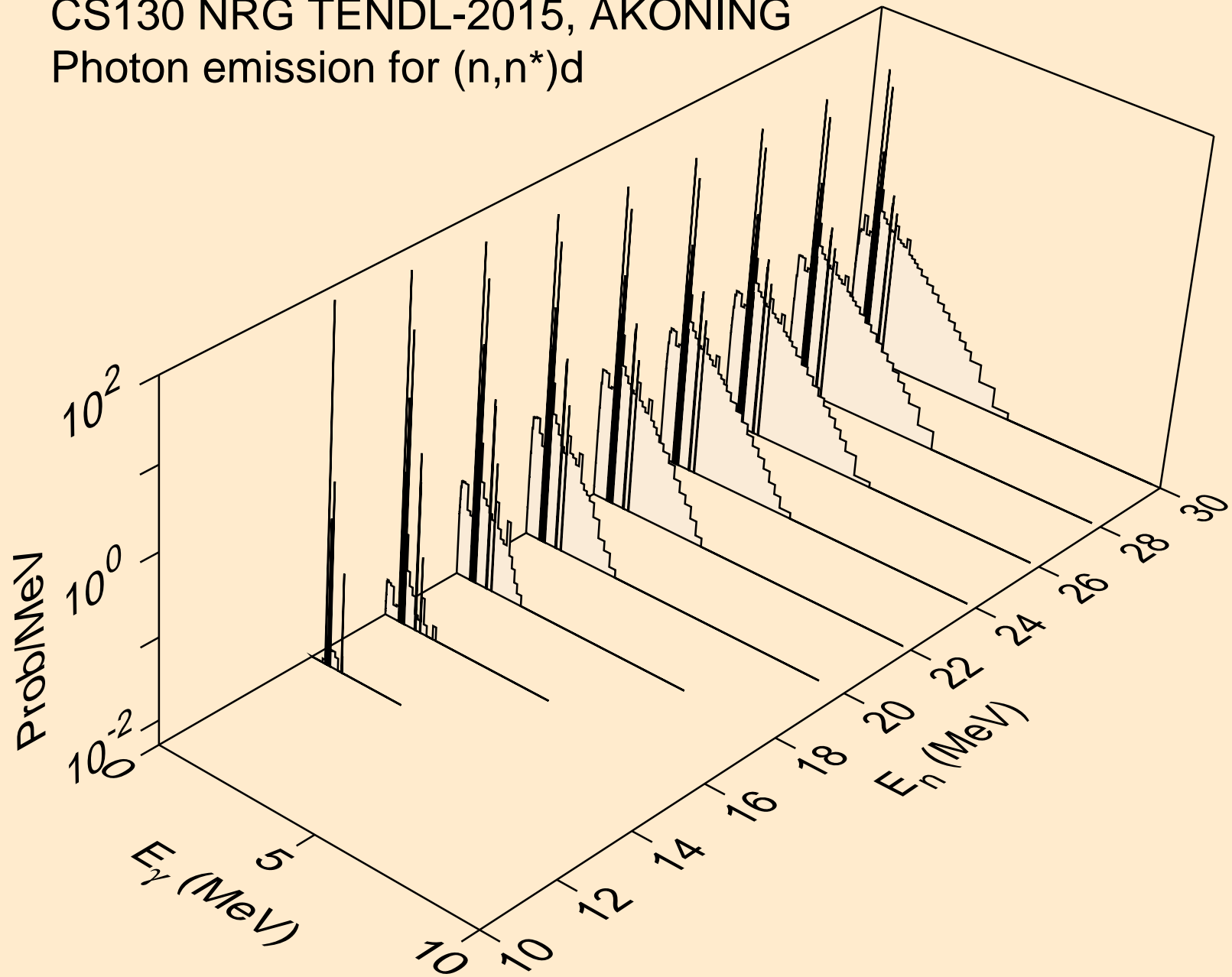
Photon emission for (n,n\*)2a



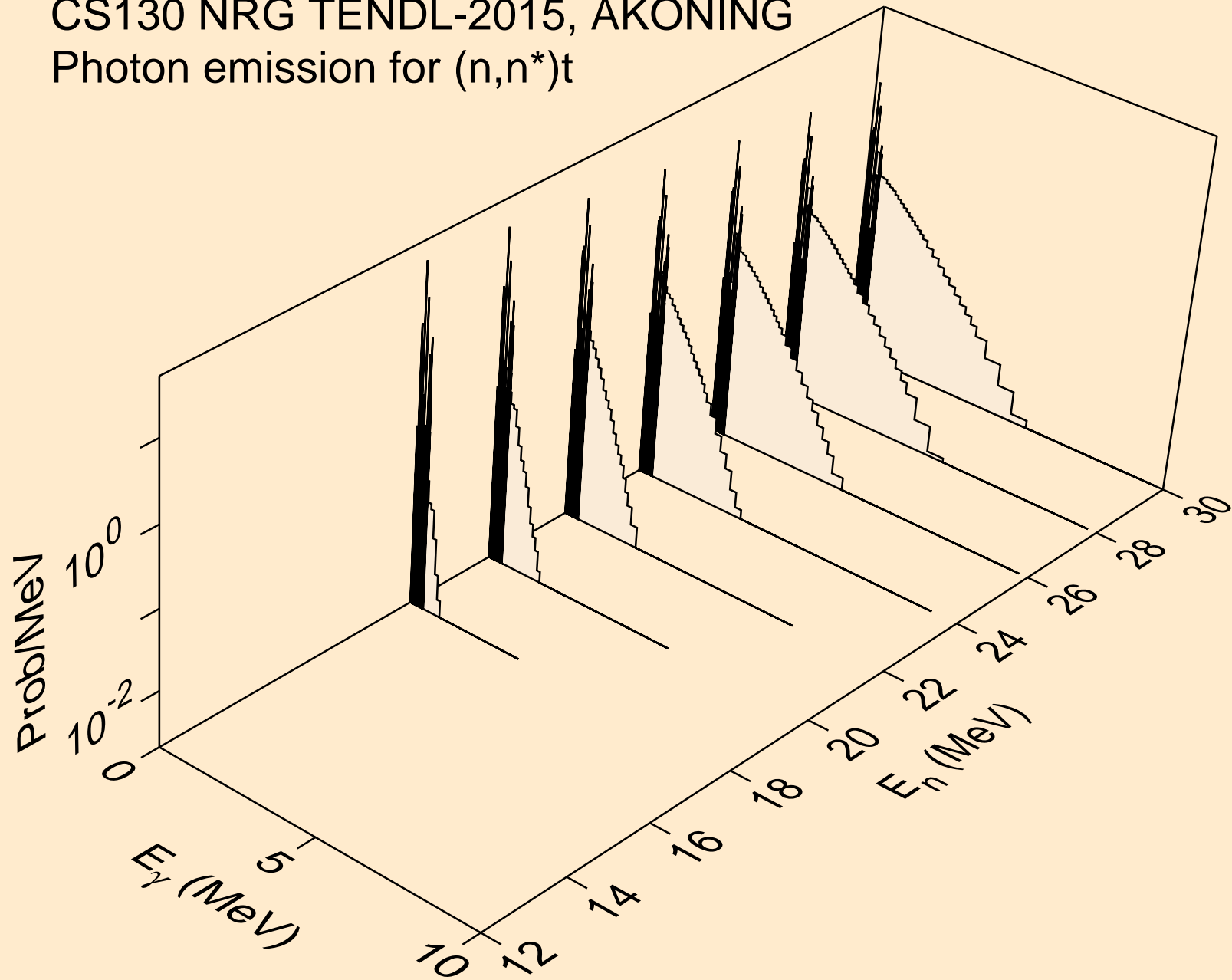


# CS130 NRG TENDL-2015, AKONING

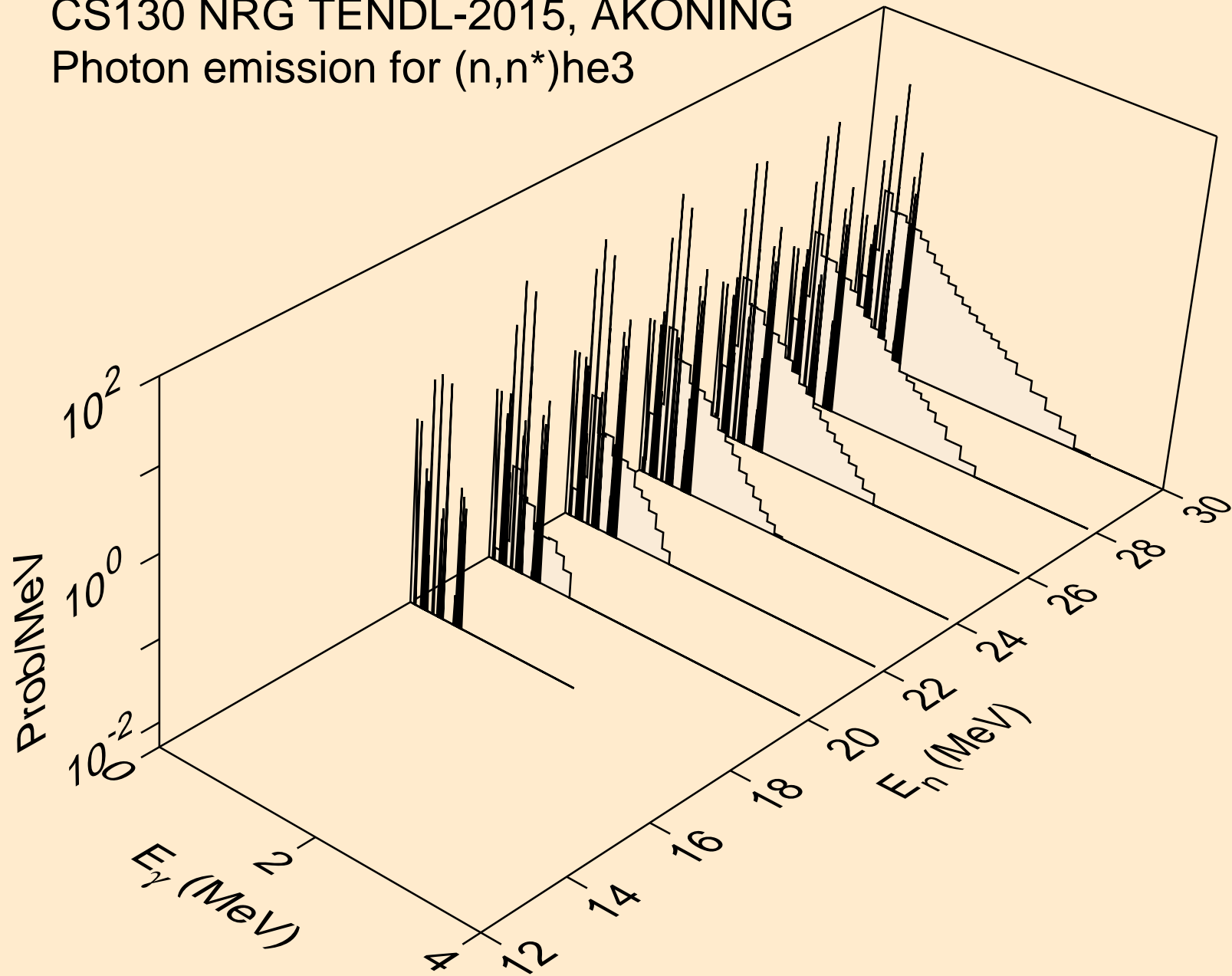
Photon emission for (n,n\*)d



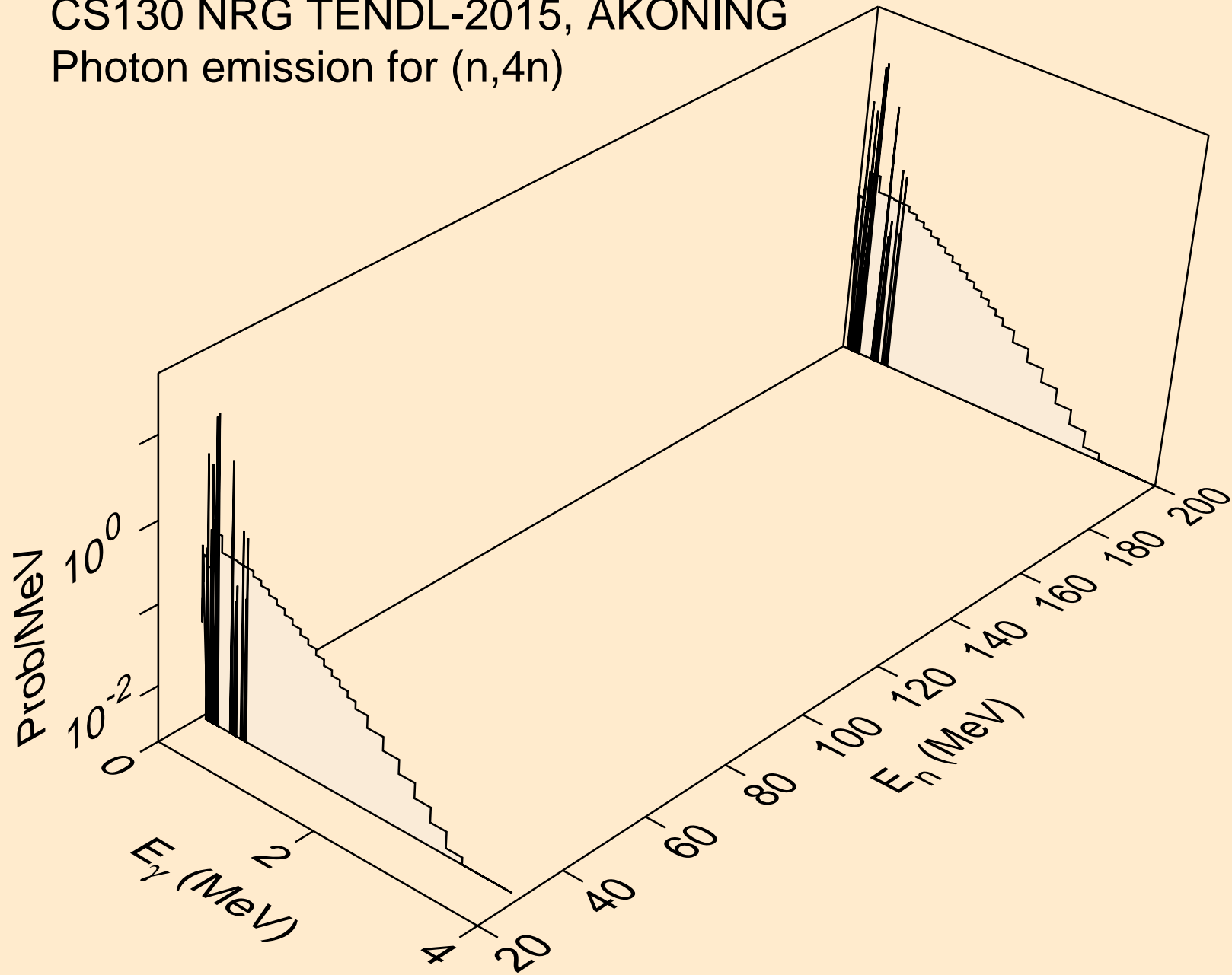
CS130 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



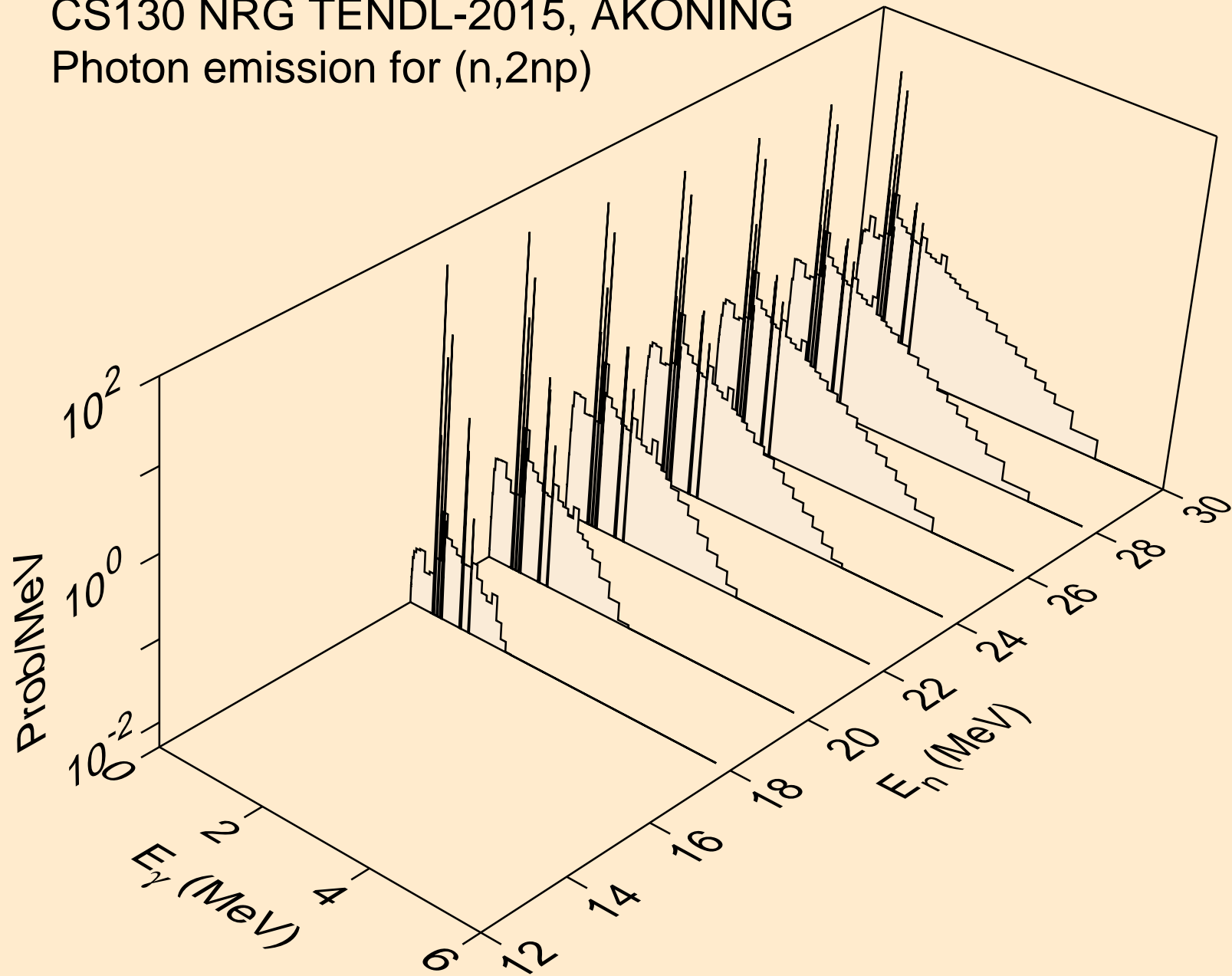
CS130 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



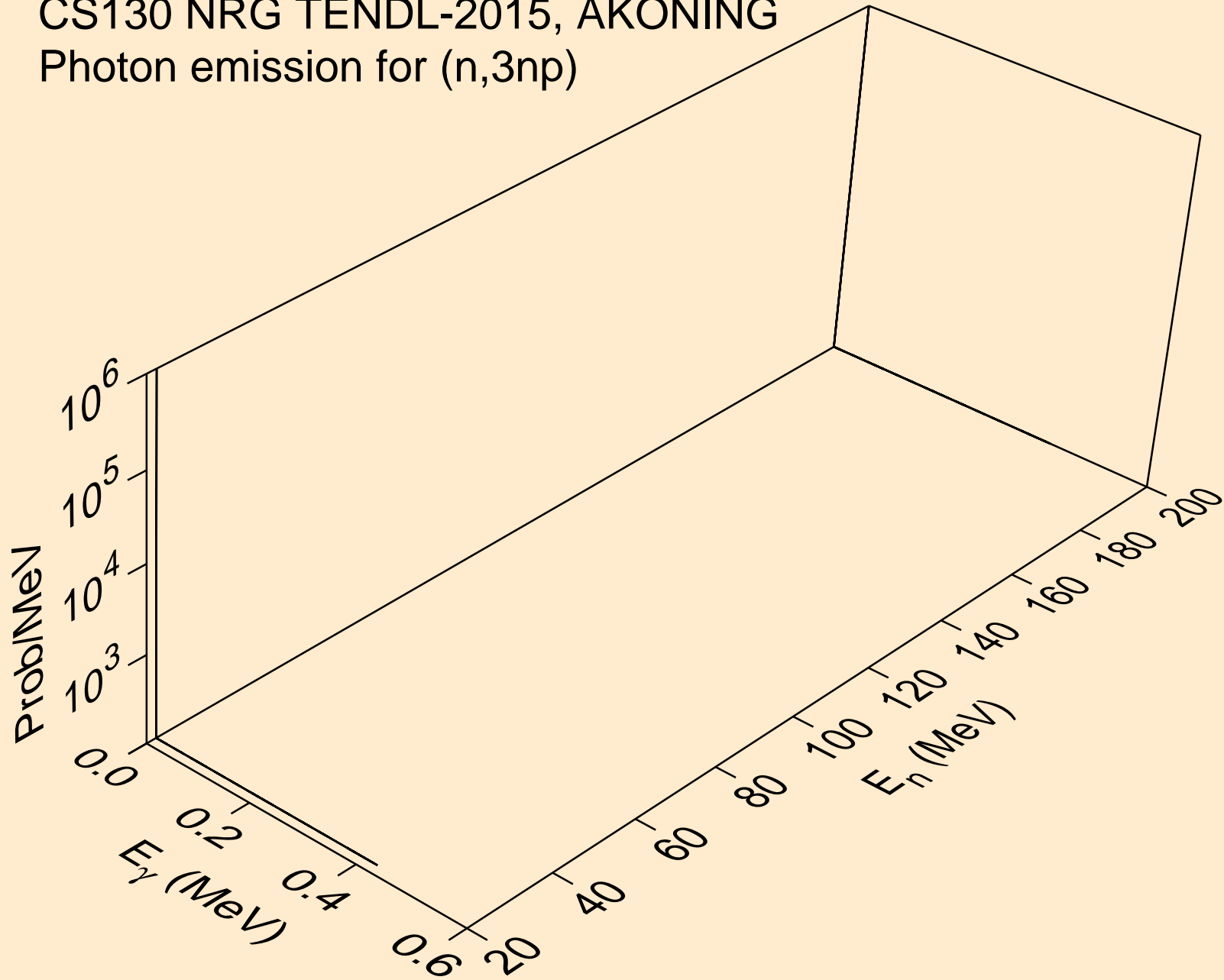
CS130 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



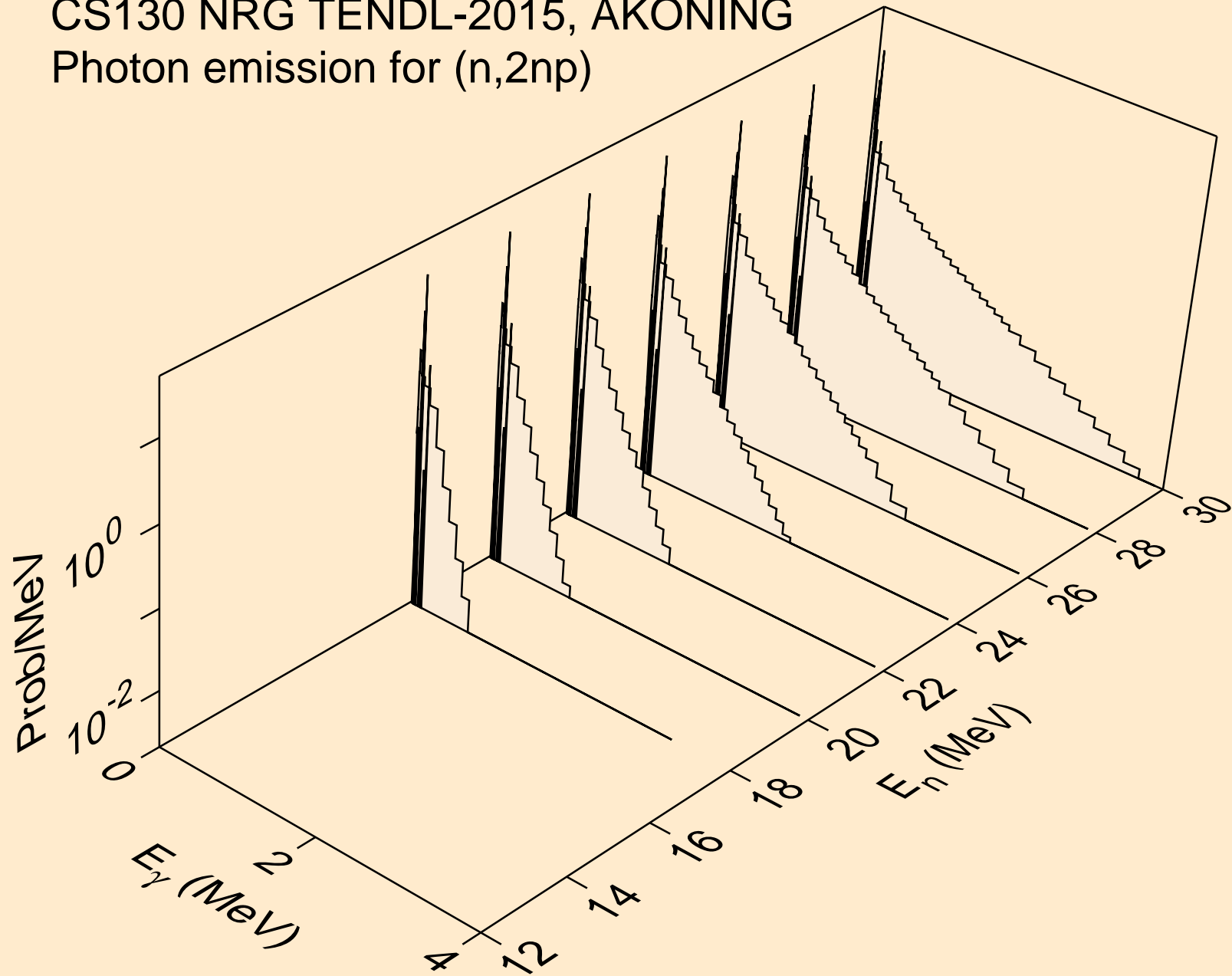
CS130 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



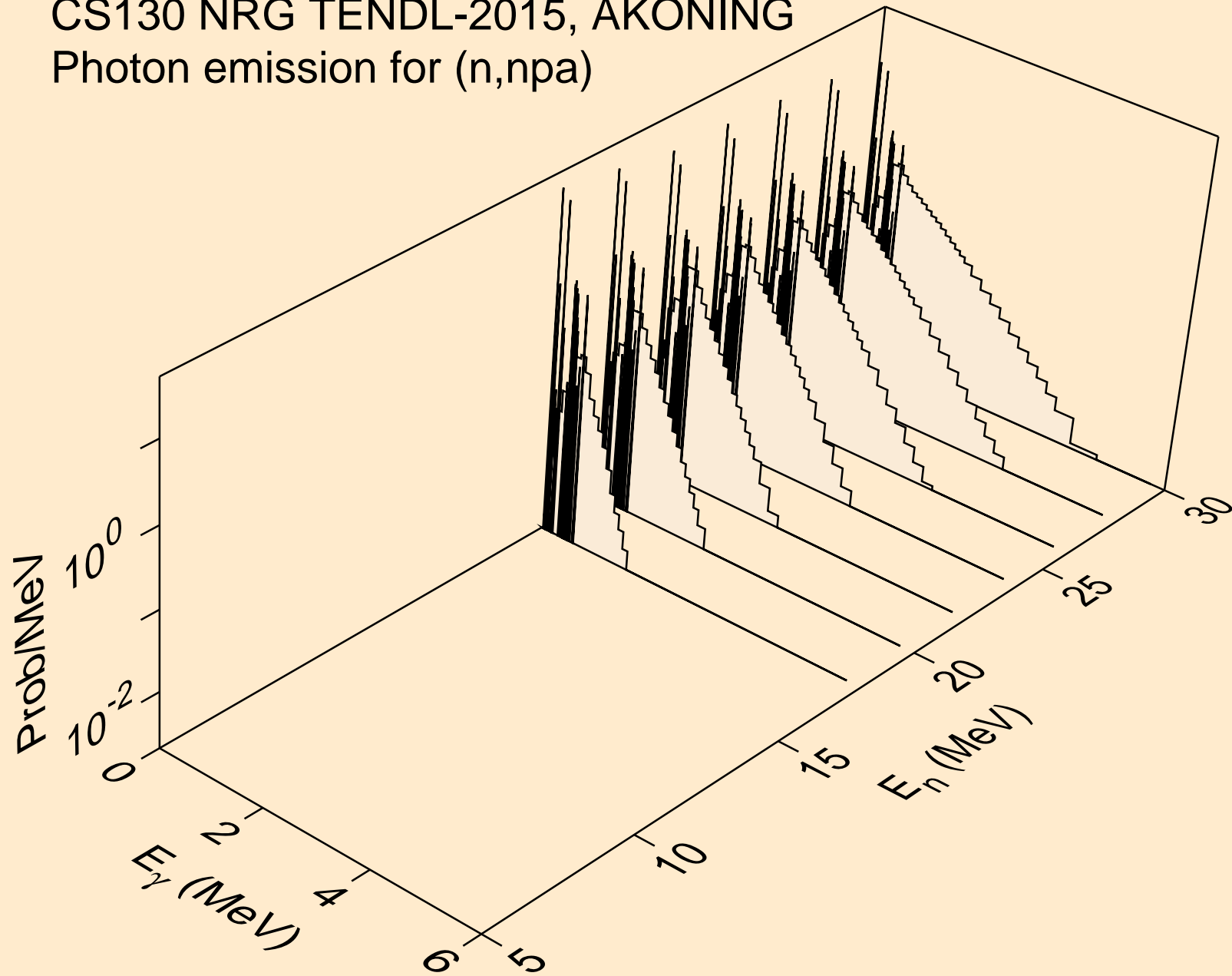
CS130 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



CS130 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)

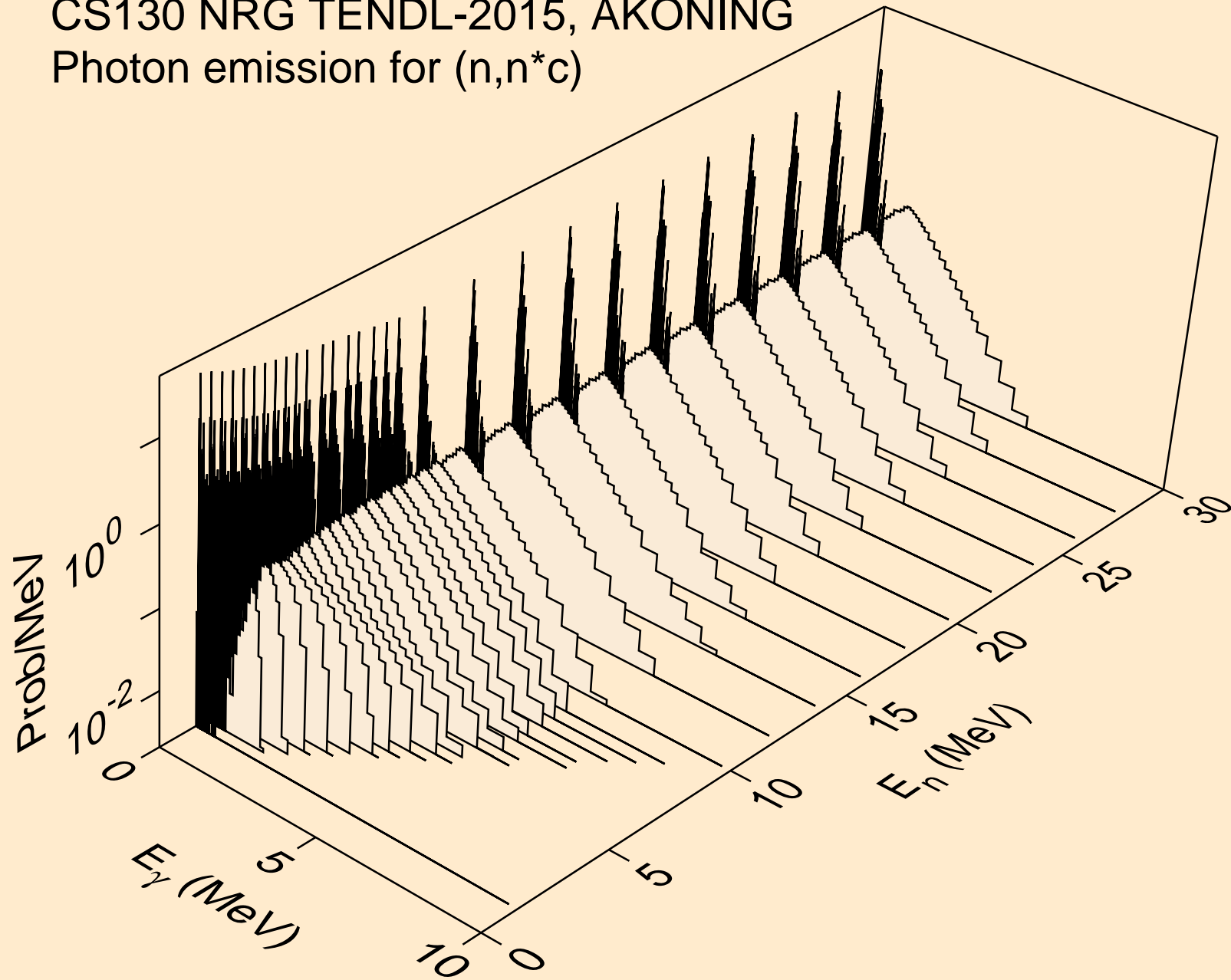


CS130 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)

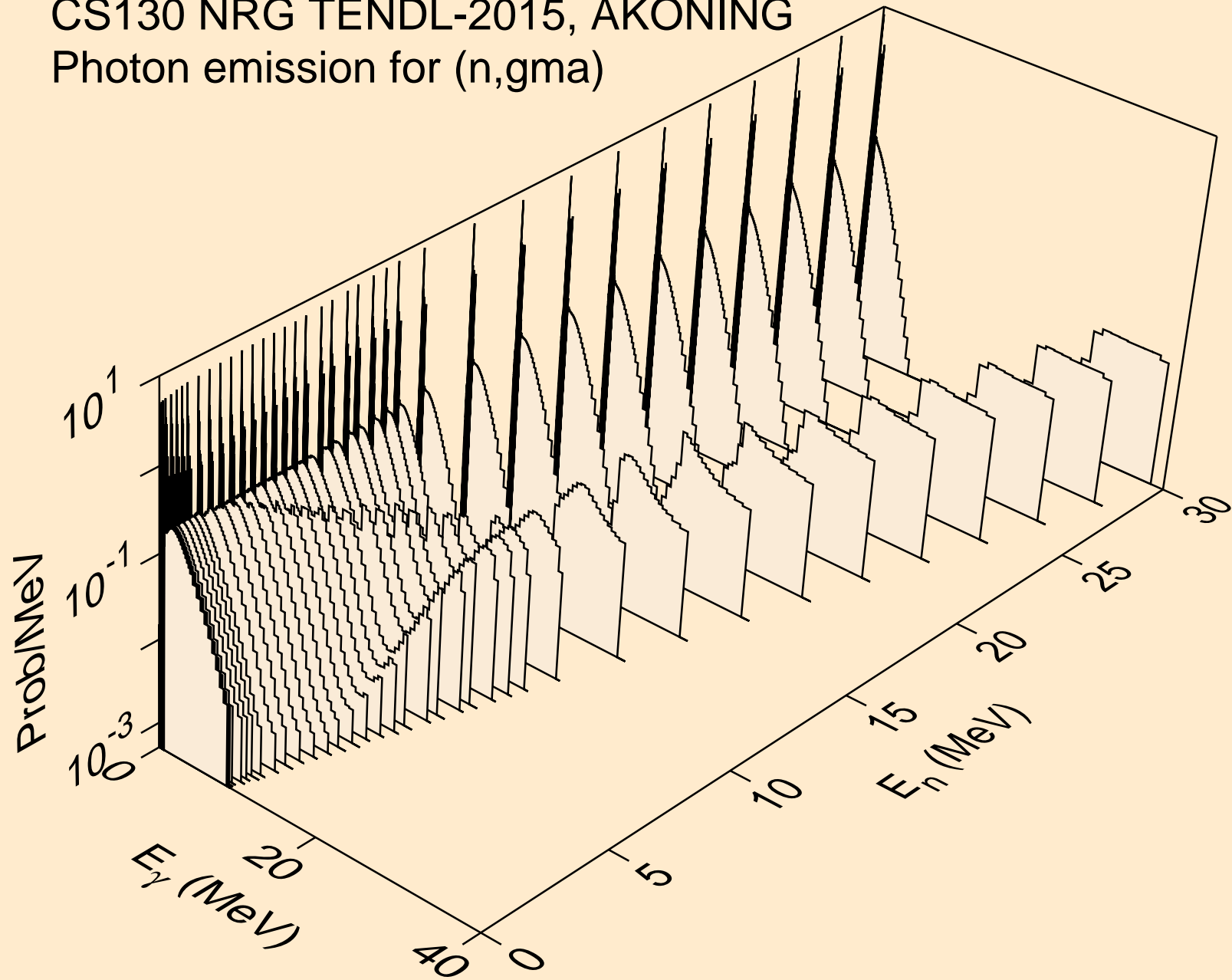




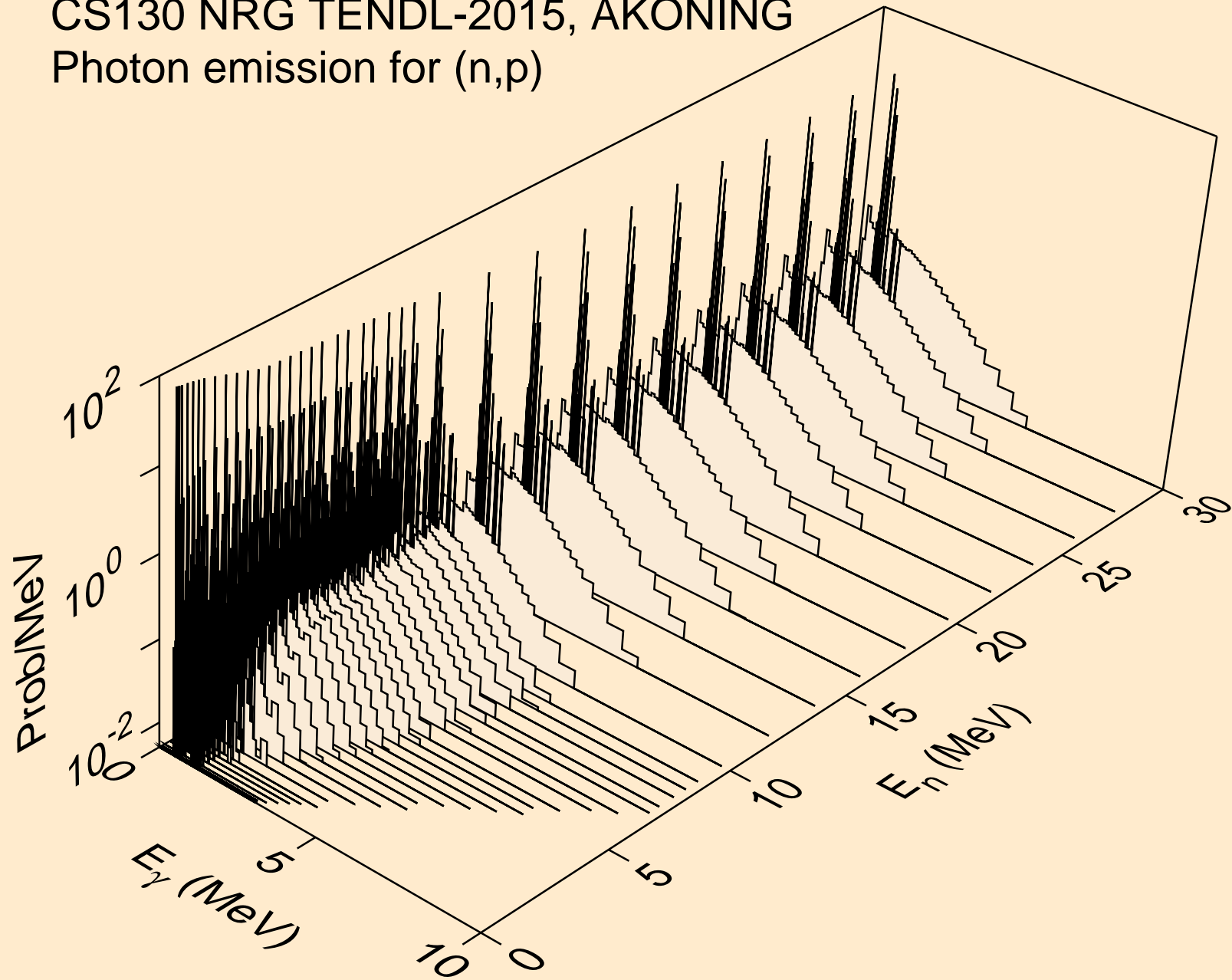
CS130 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



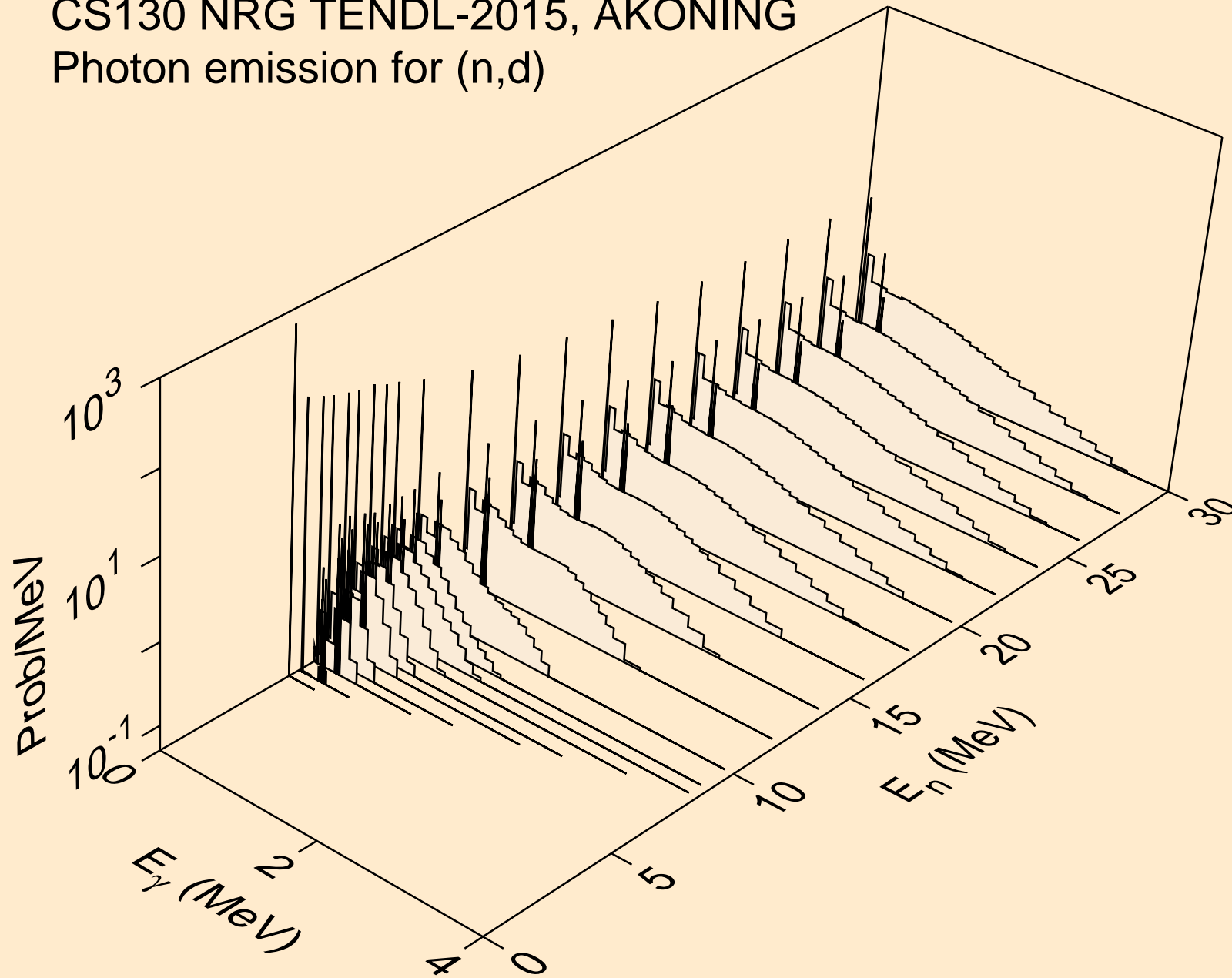
CS130 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



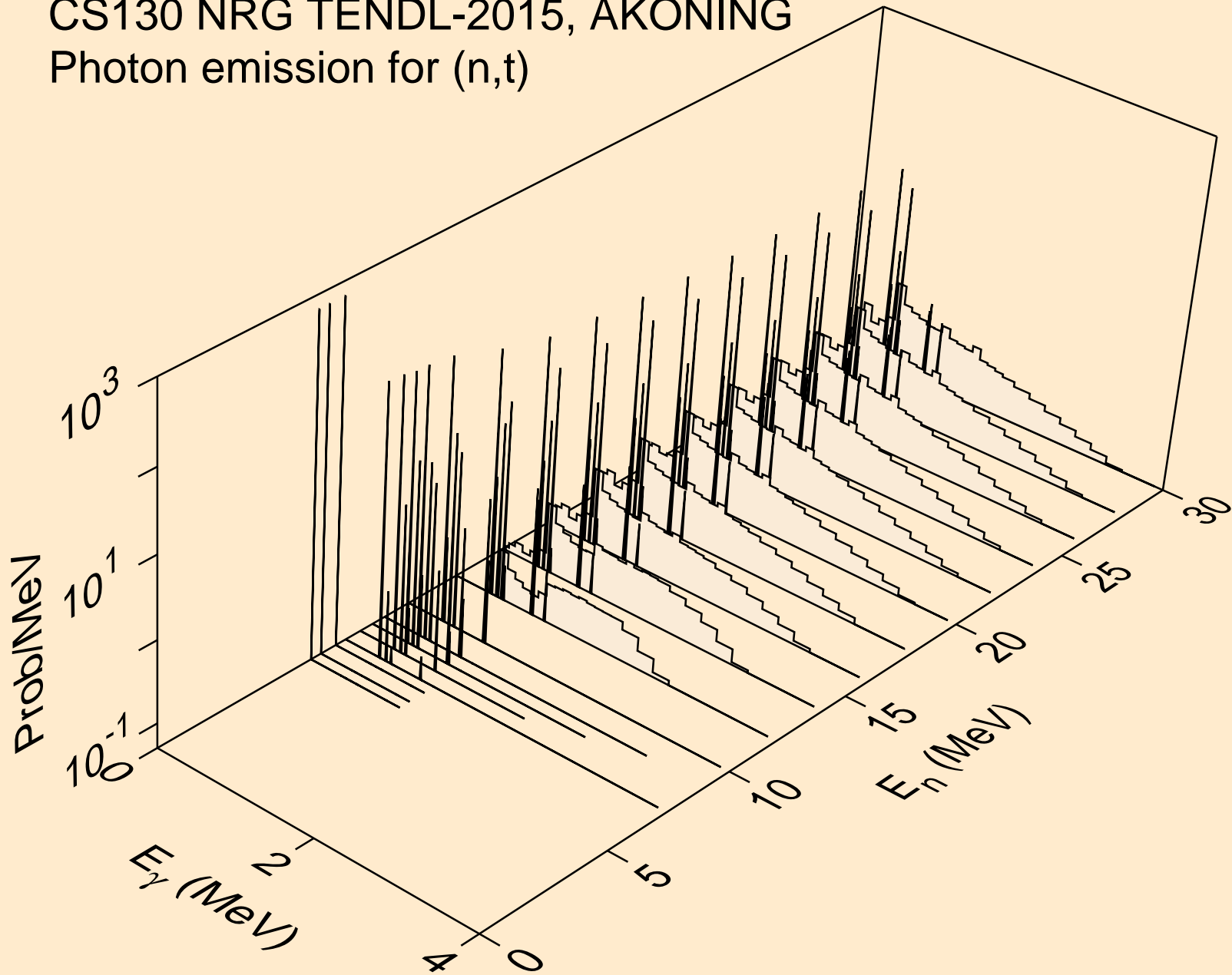
CS130 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



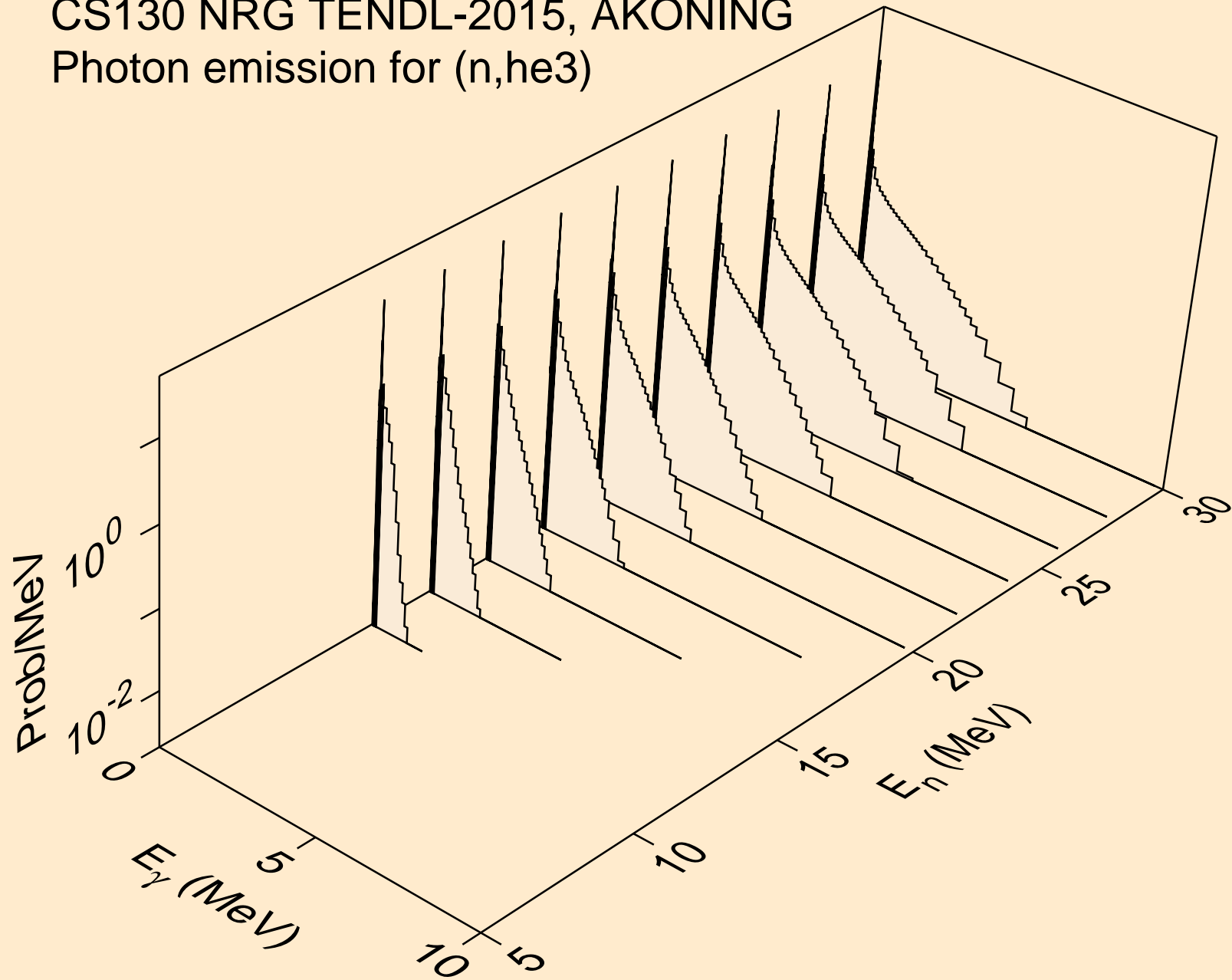
CS130 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



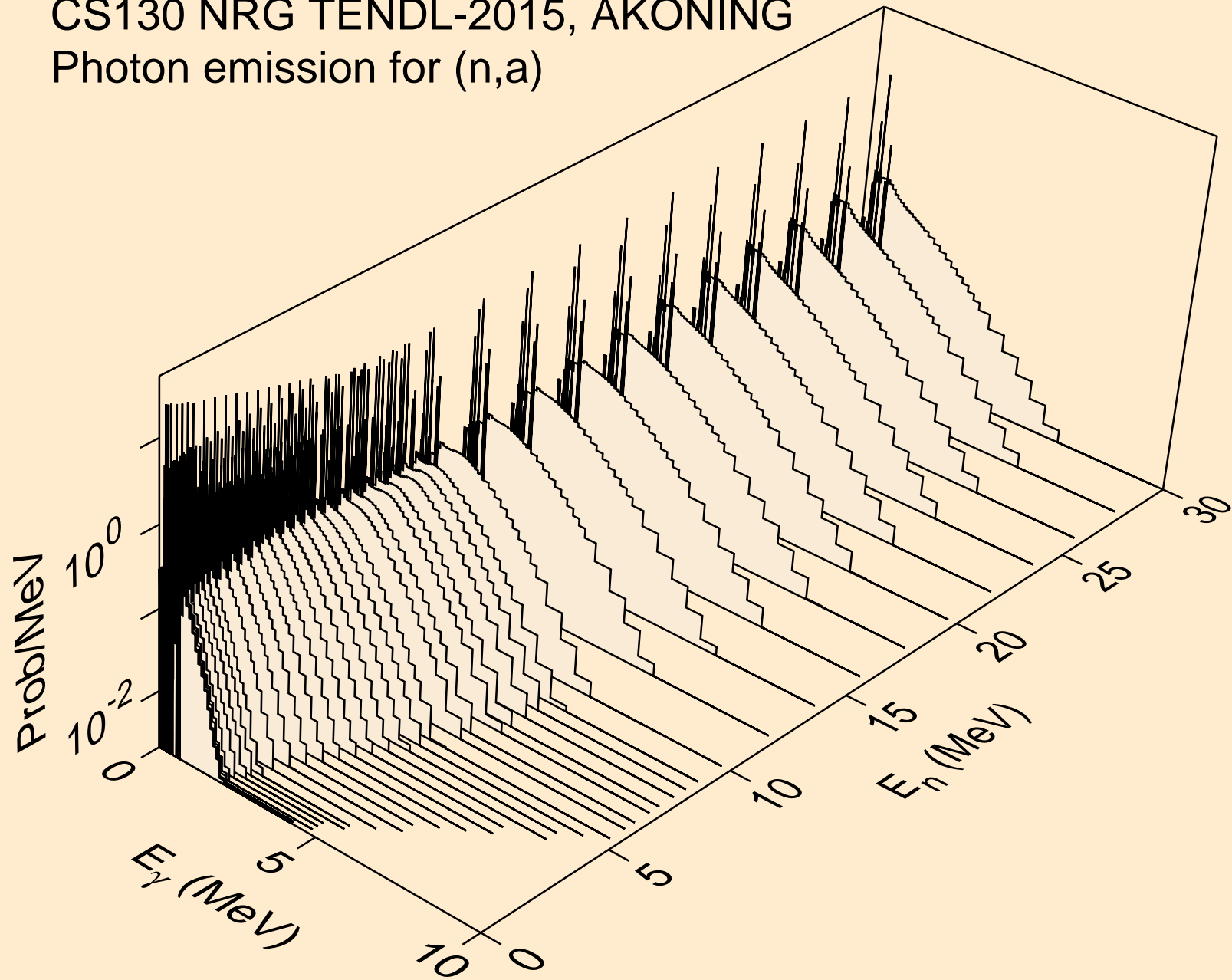
CS130 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



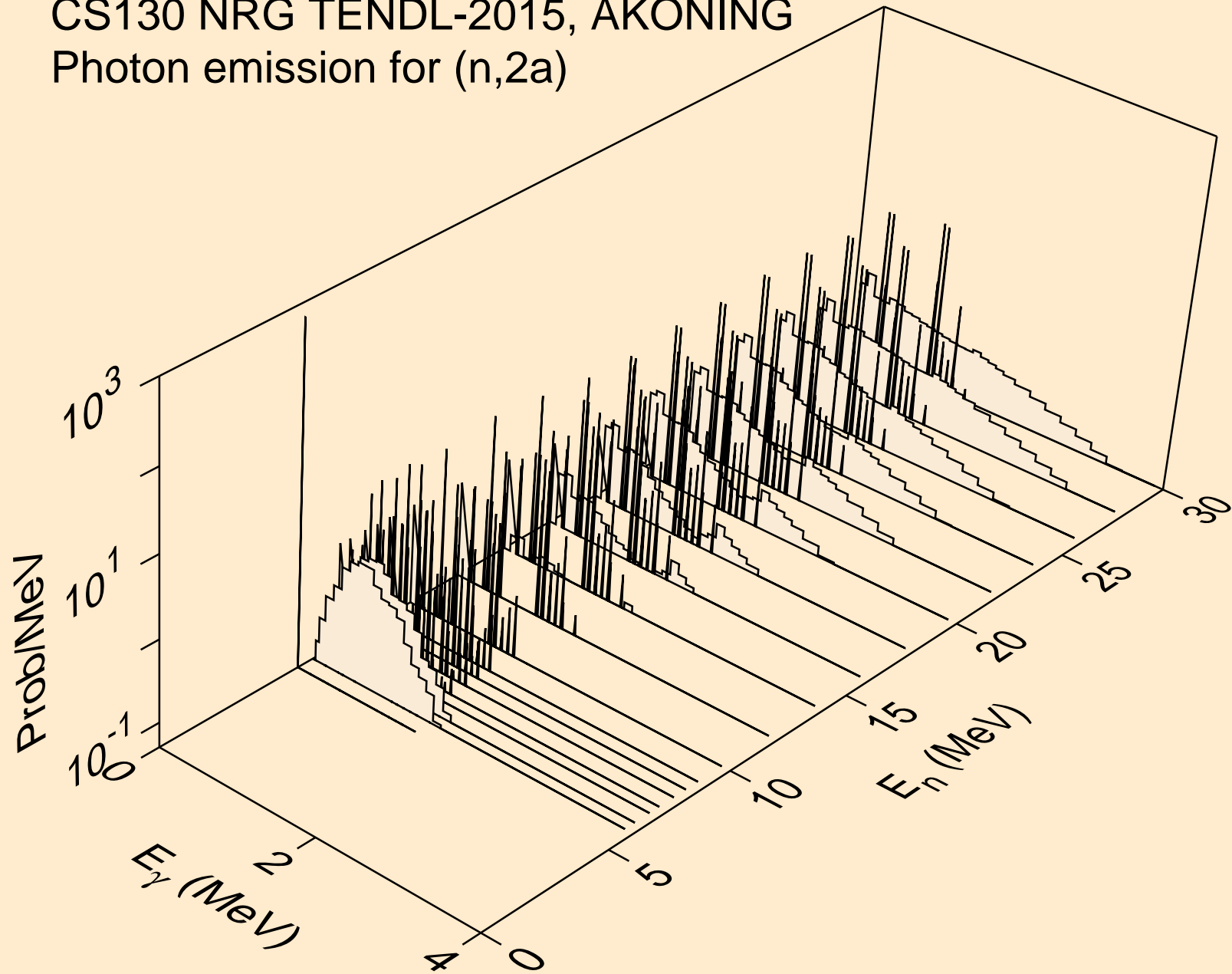
CS130 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



CS130 NRG TENDL-2015, AKONING  
Photon emission for (n,a)

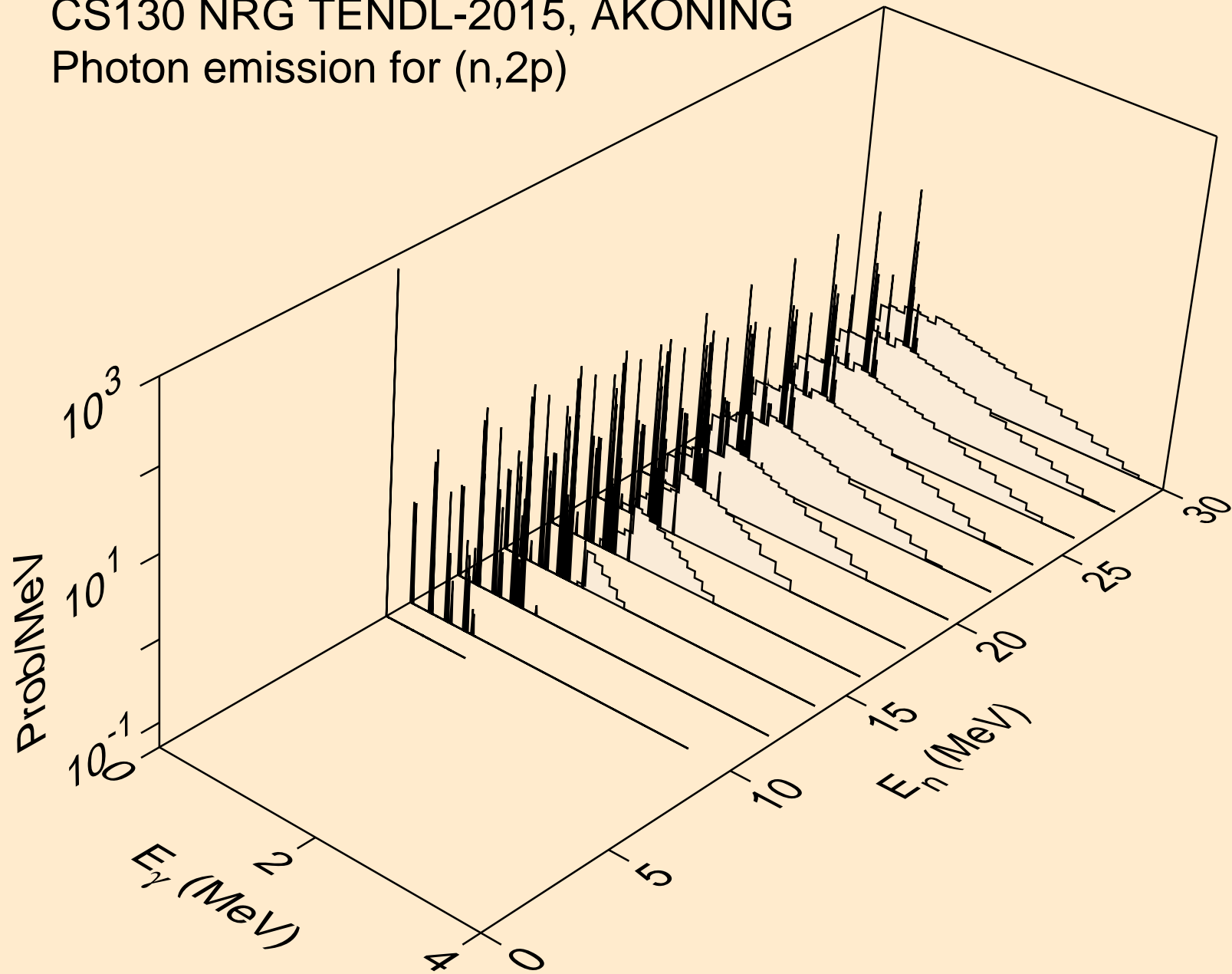


CS130 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)

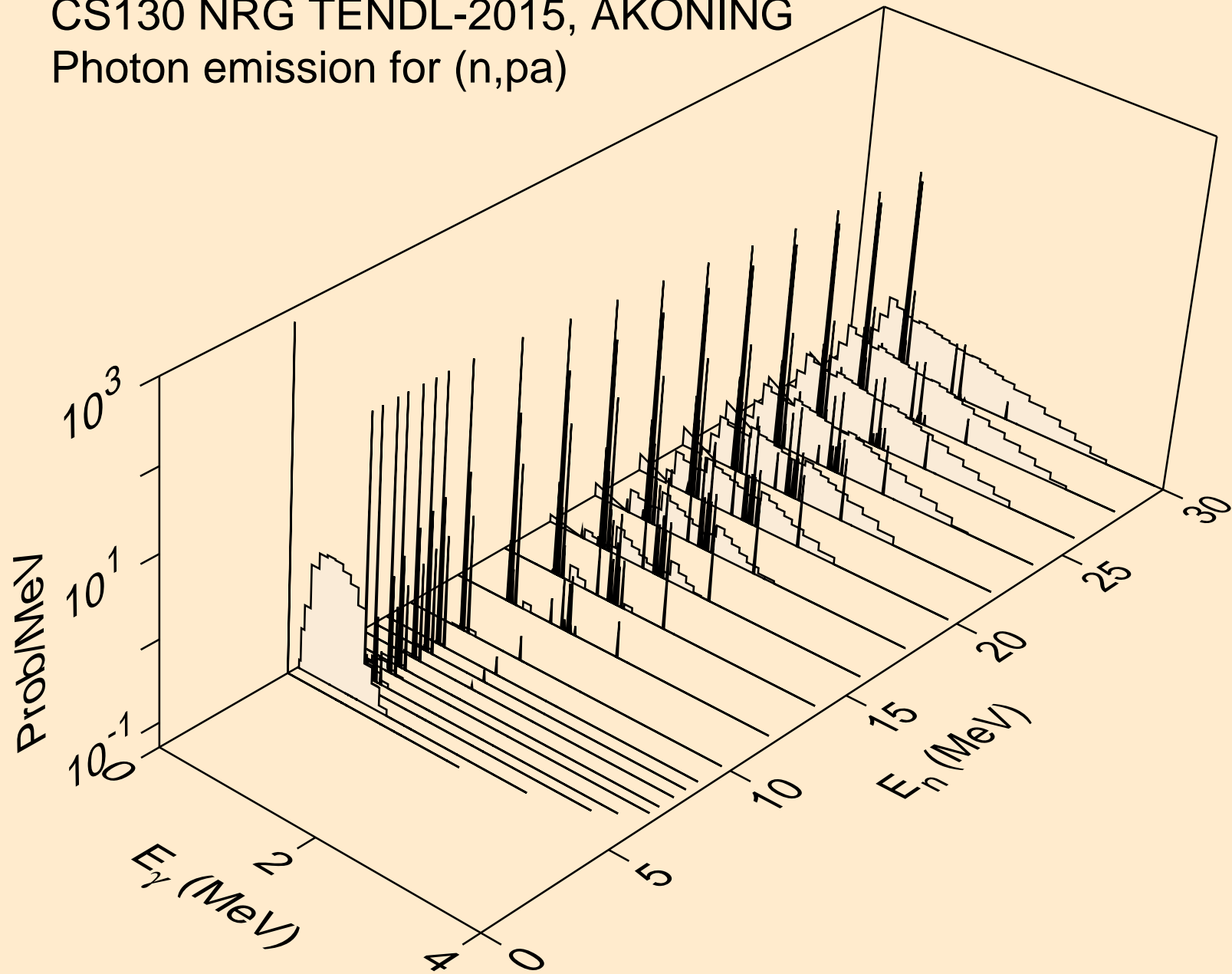




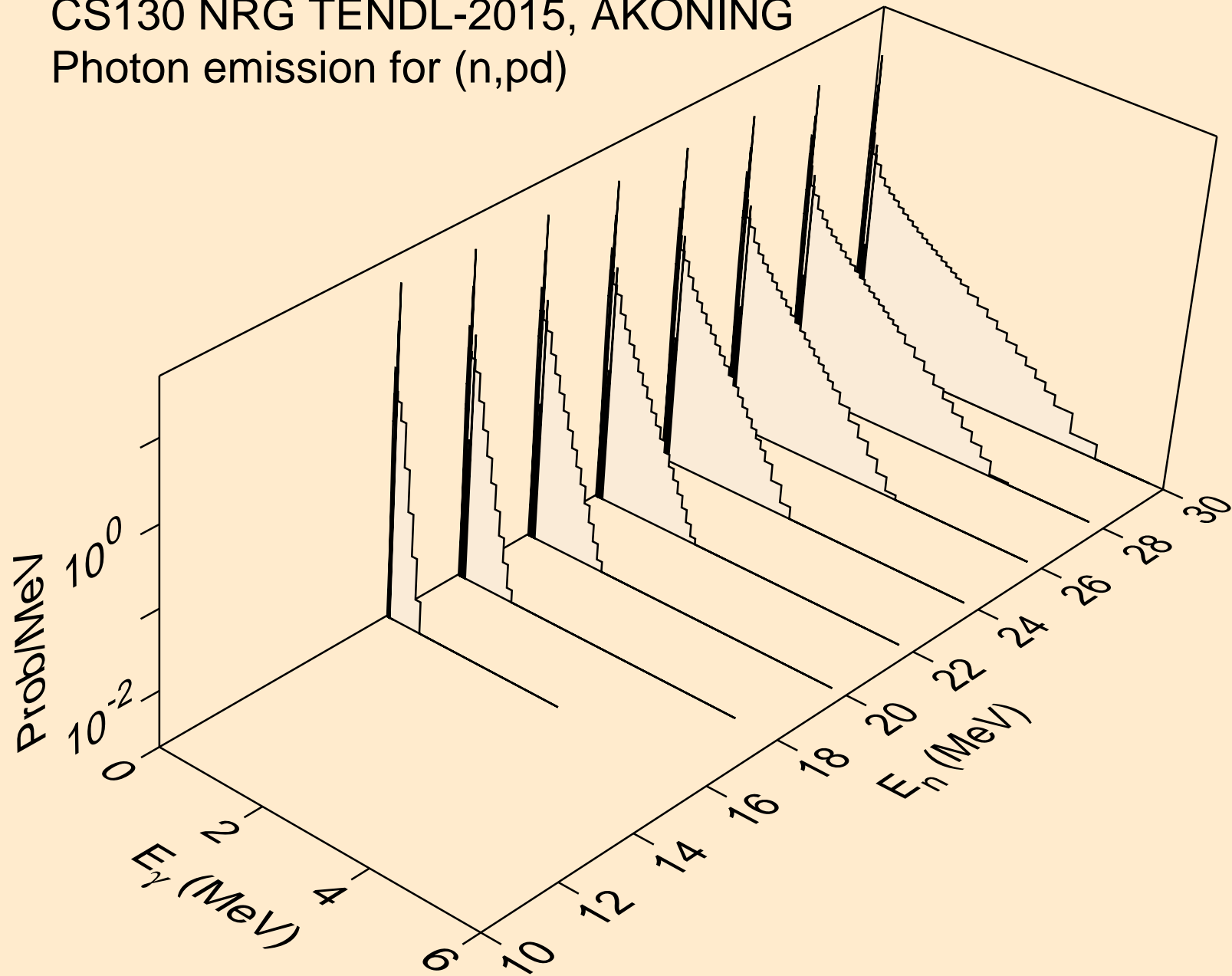
CS130 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



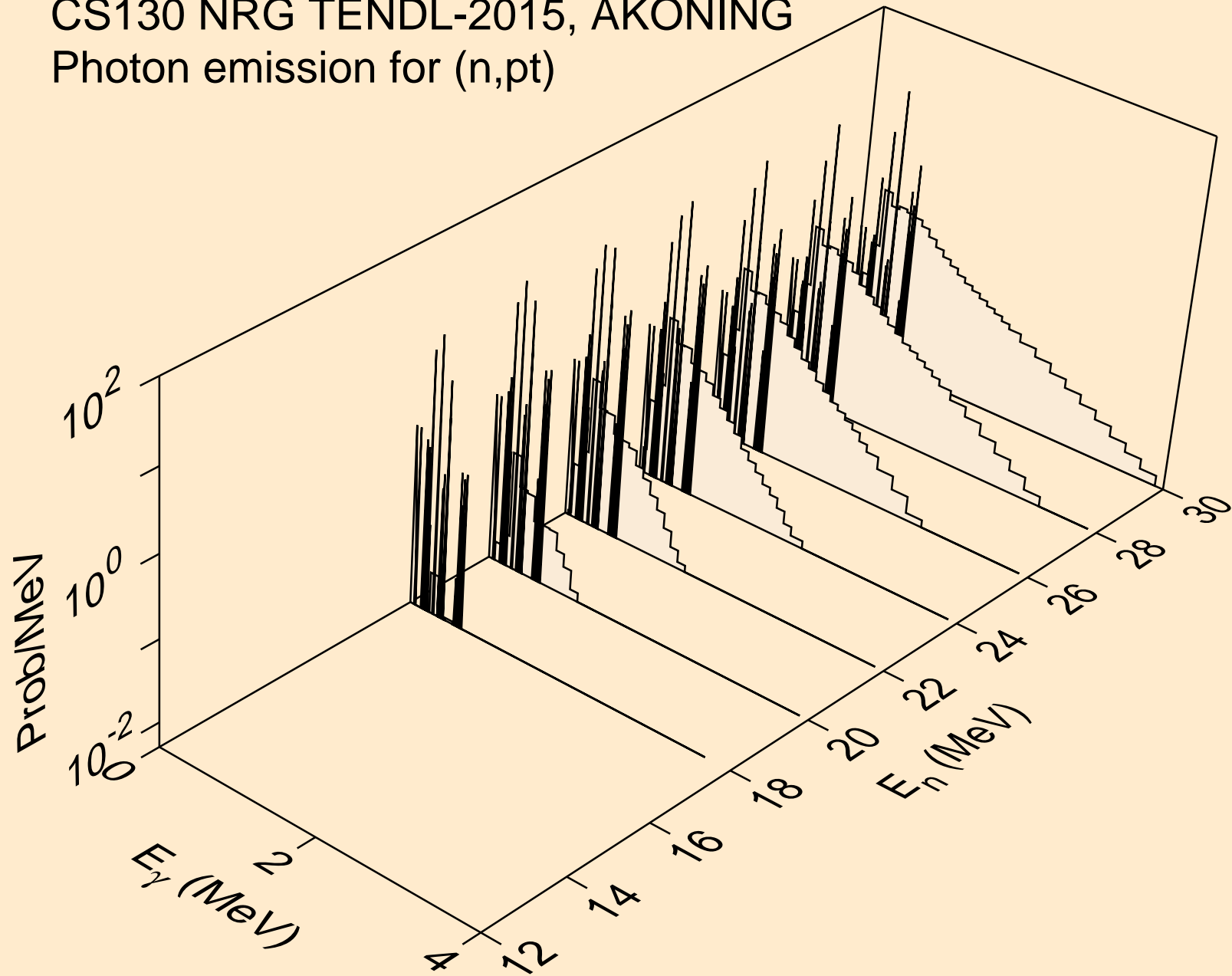
CS130 NRG TENDL-2015, AKONING  
Photon emission for (n,p $\alpha$ )



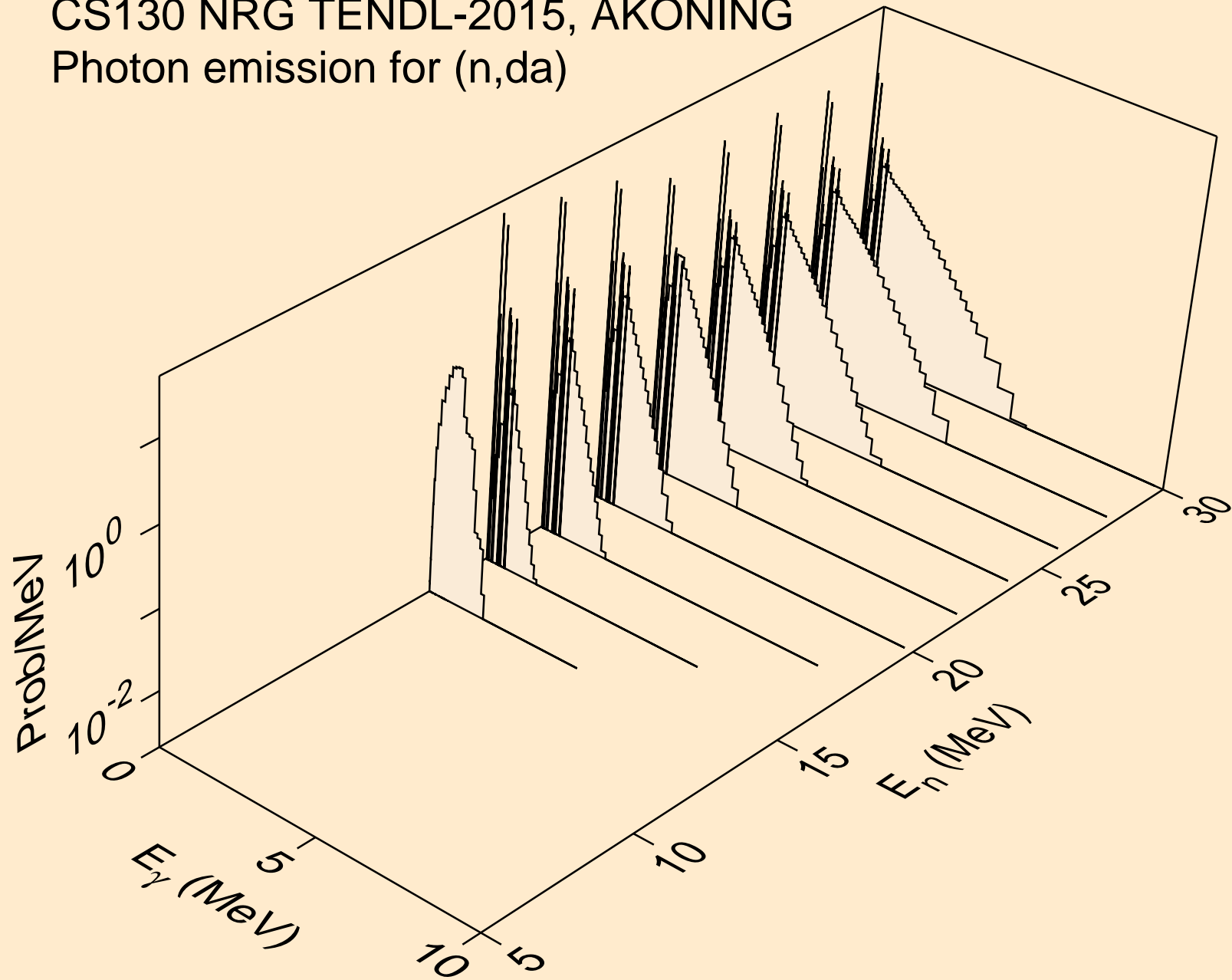
CS130 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



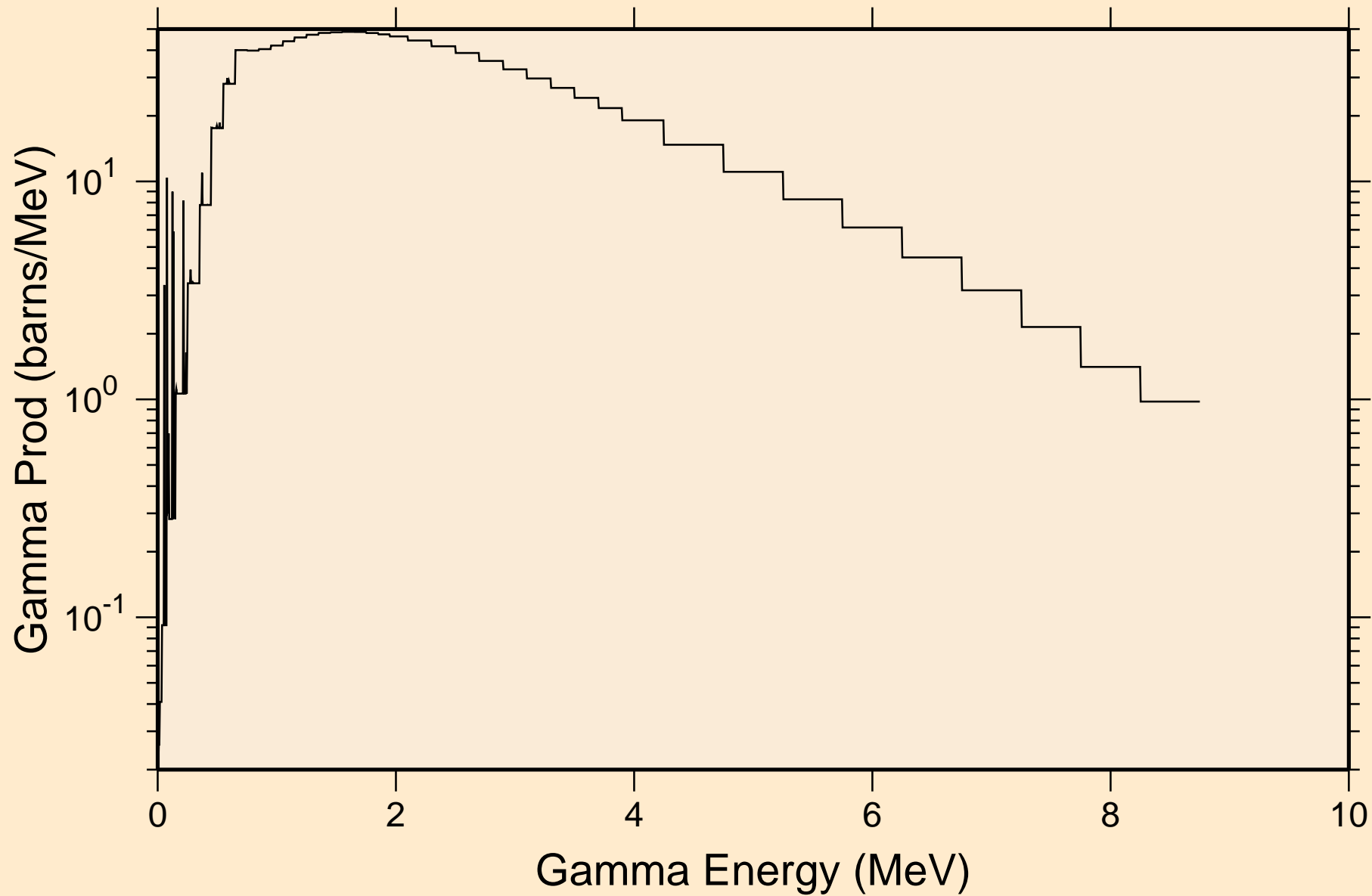
CS130 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



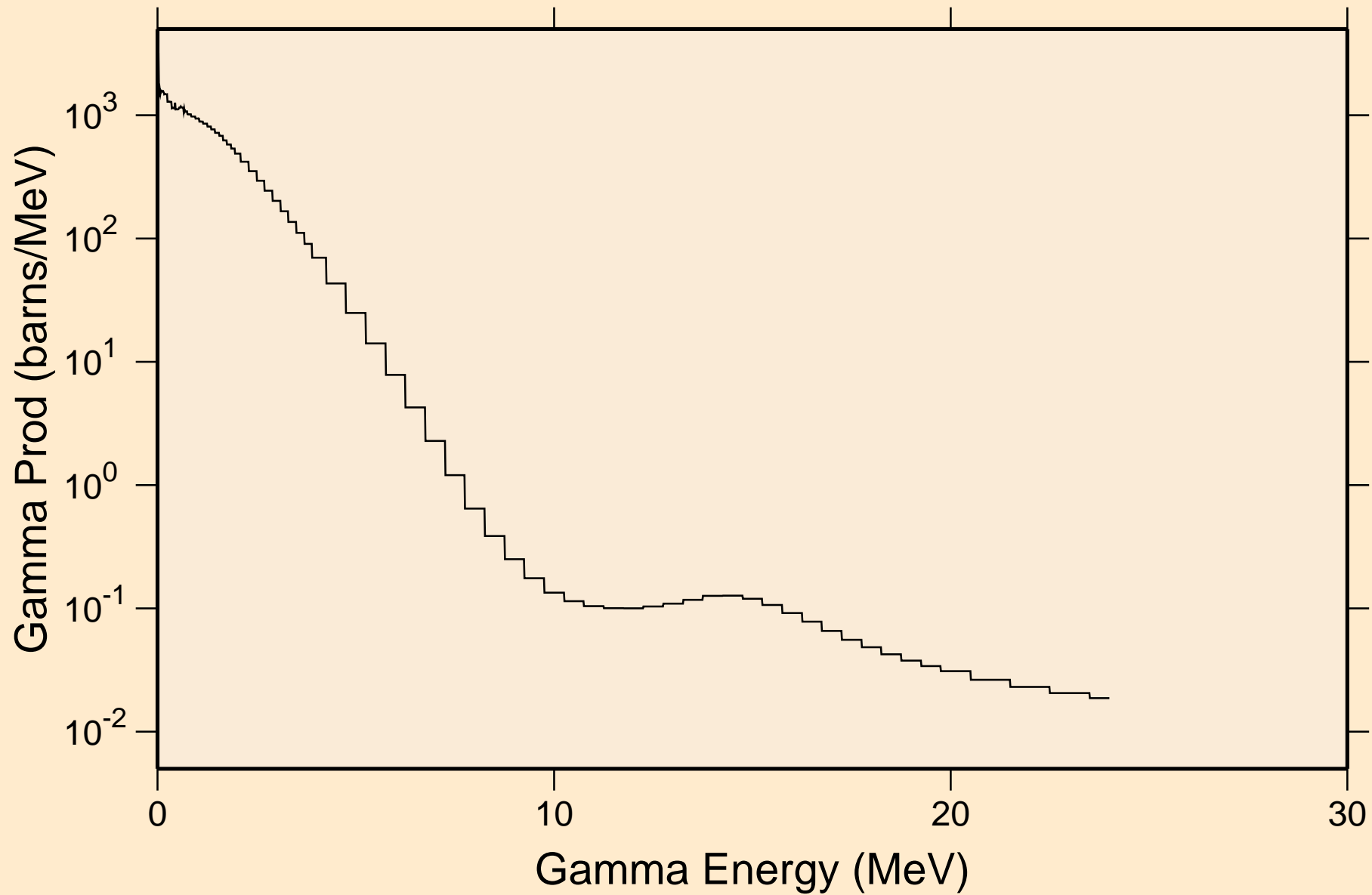
CS130 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



CS130 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

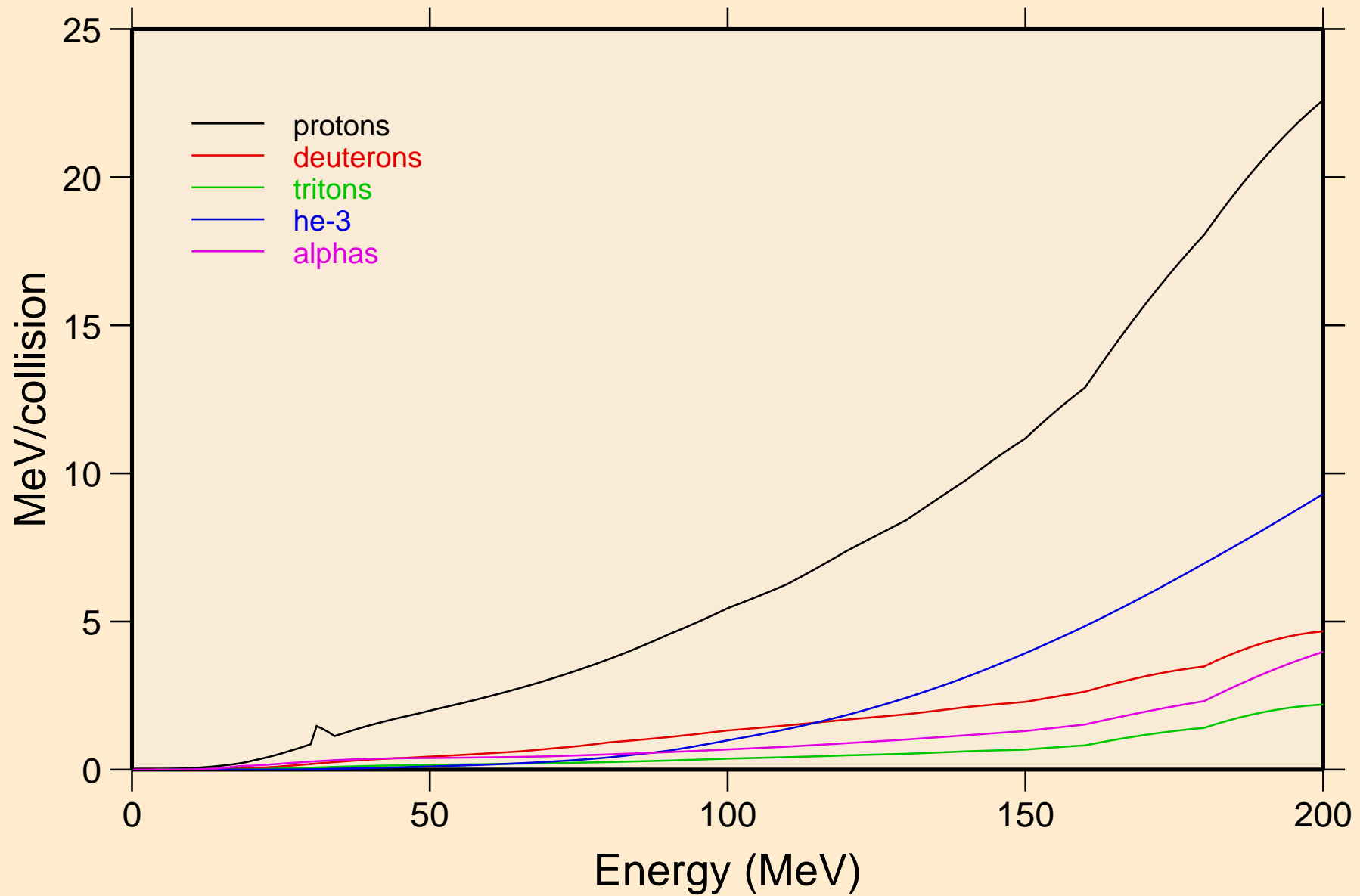


CS130 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



# CS130 NRG TENDL-2015, AKONING

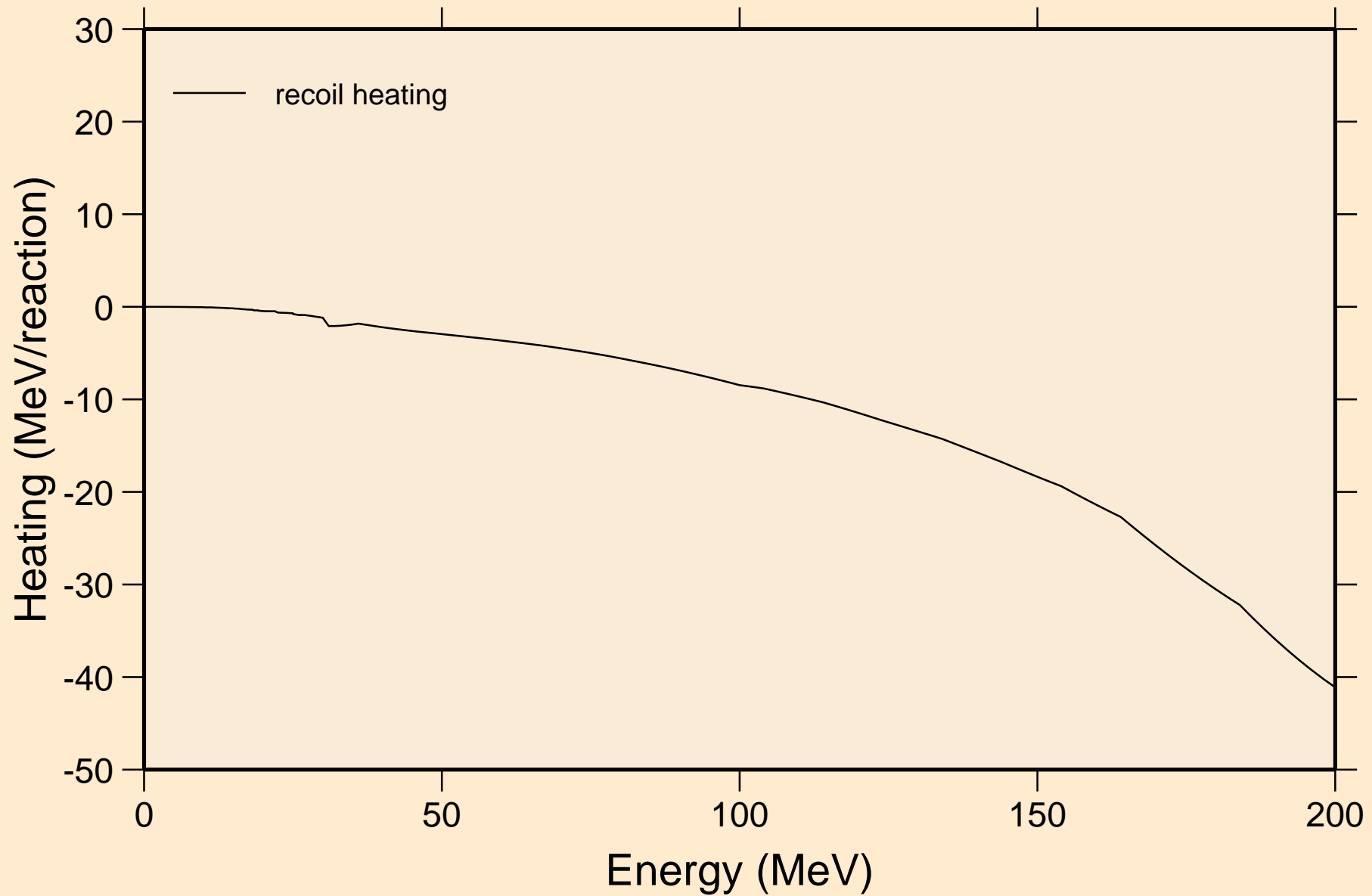
## Particle heating contributions





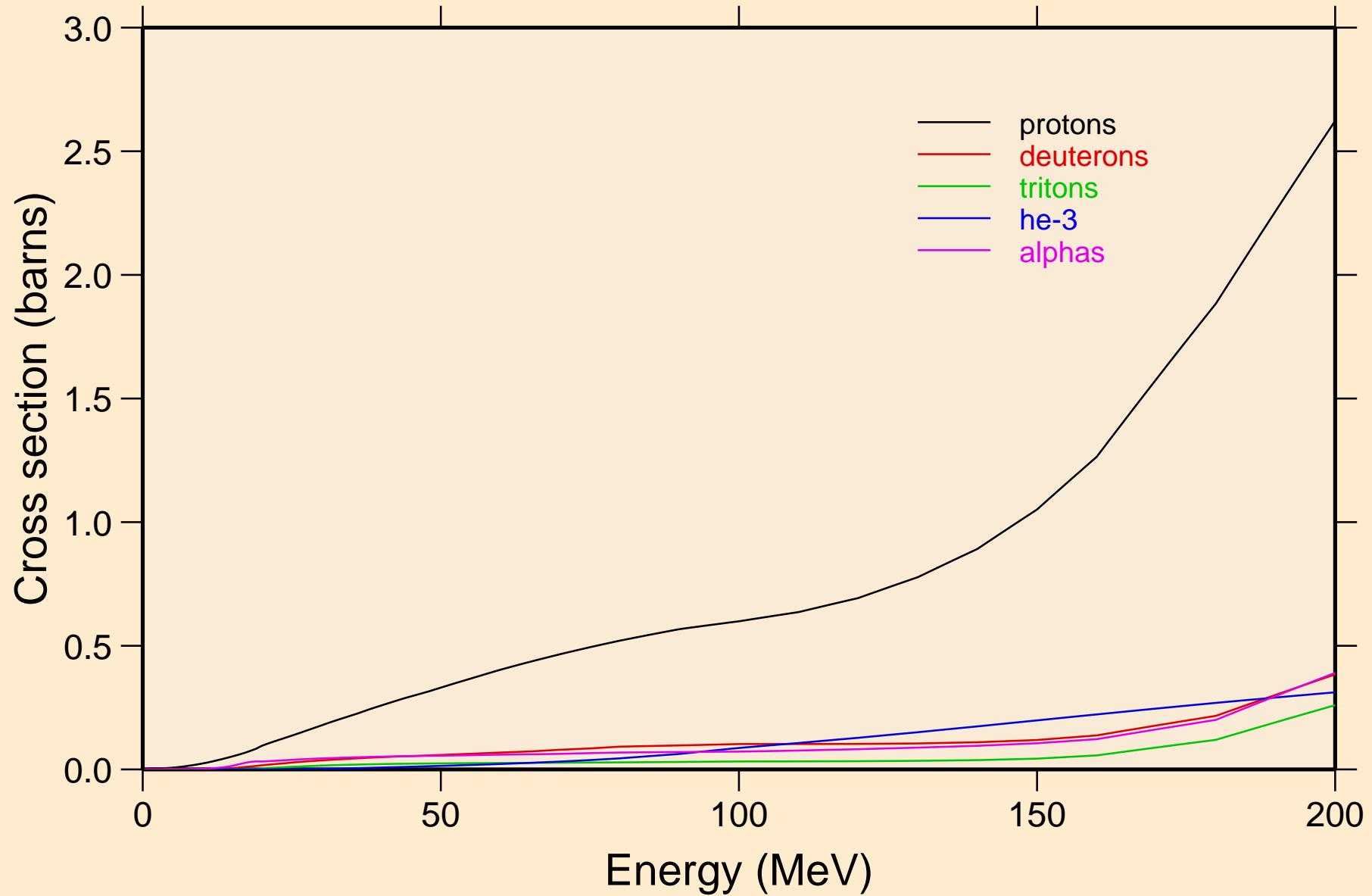
# CS130 NRG TENDL-2015, AKONING

## Recoil Heating

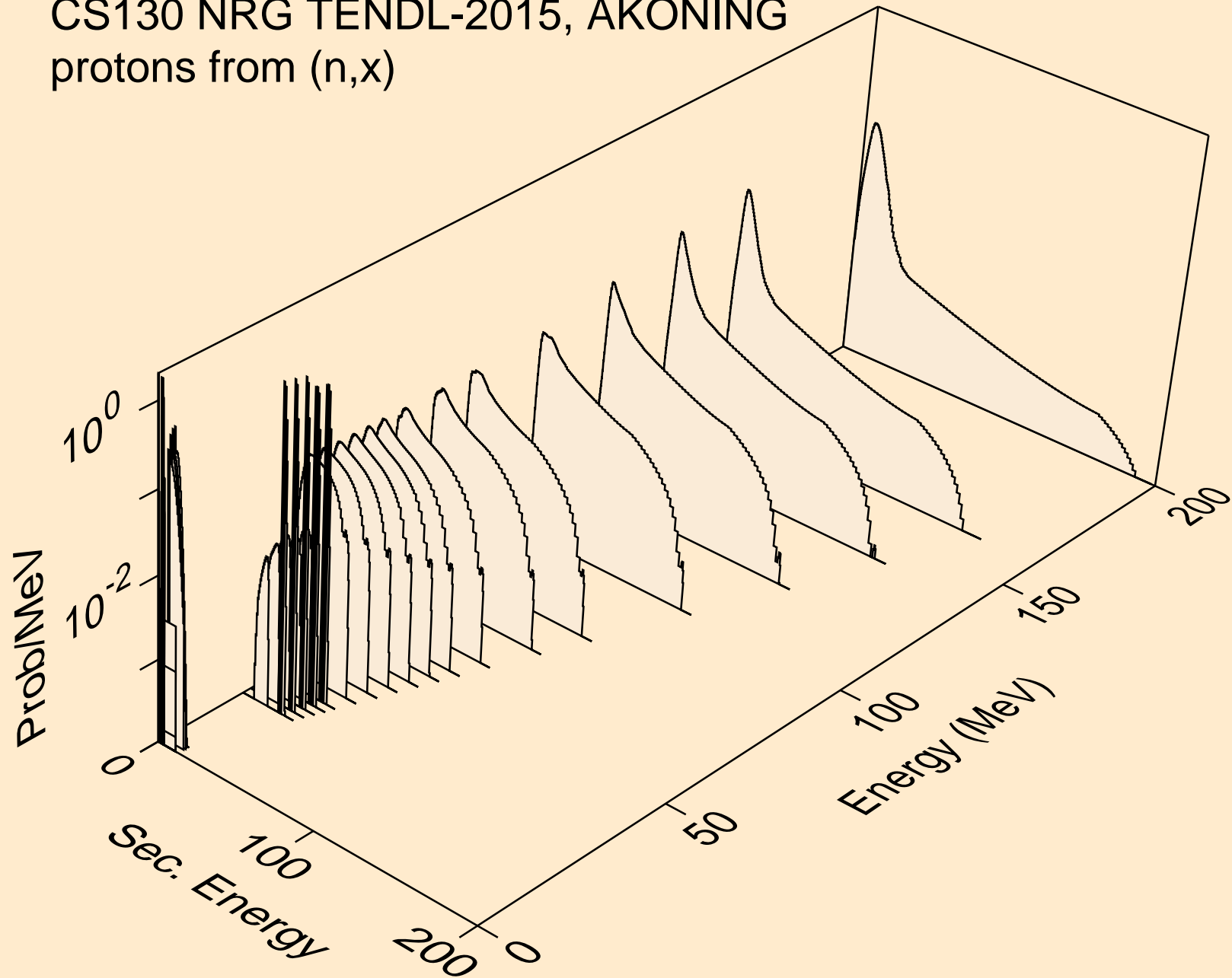


# CS130 NRG TENDL-2015, AKONING

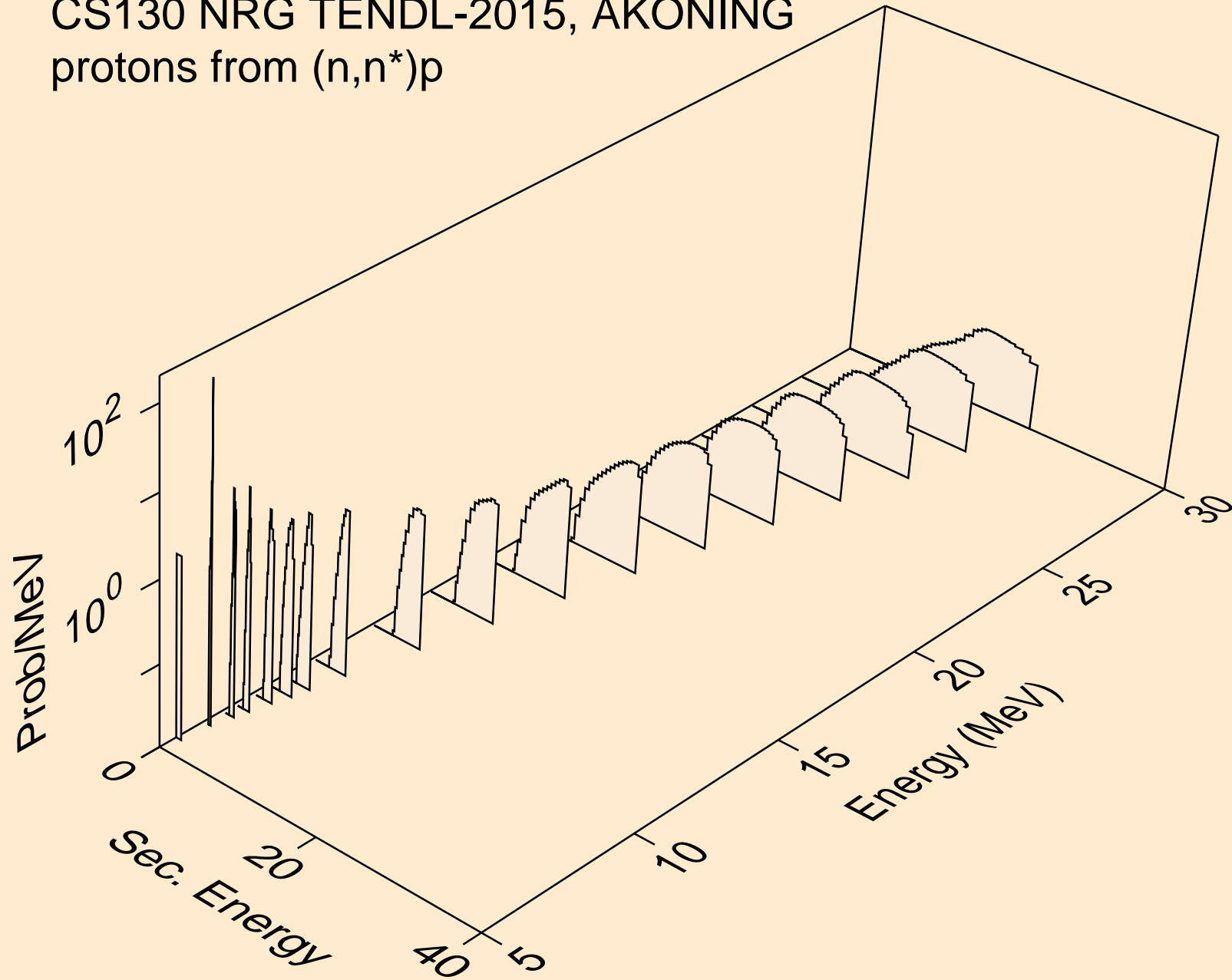
## Particle production cross sections



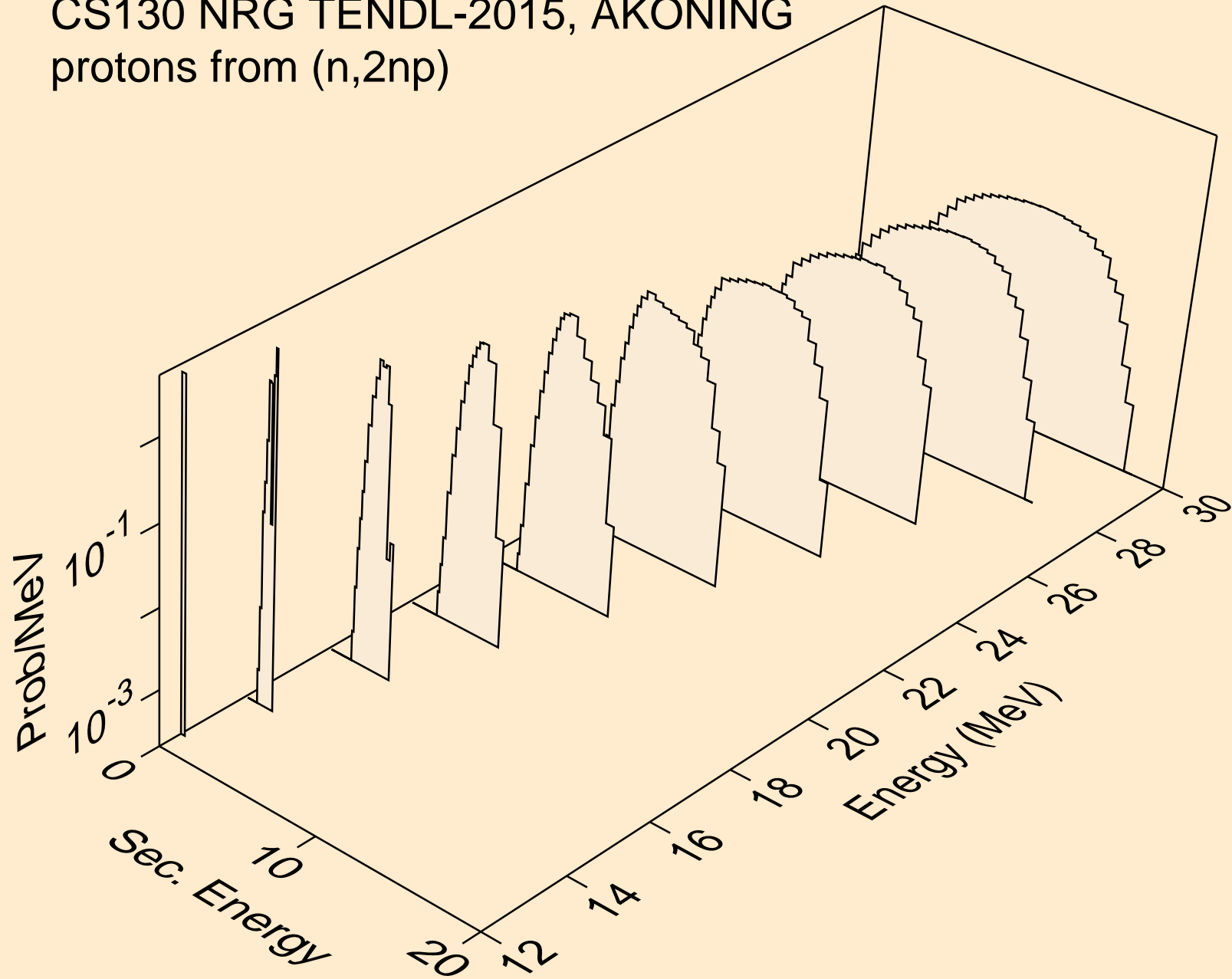
CS130 NRG TENDL-2015, AKONING  
protons from (n,x)



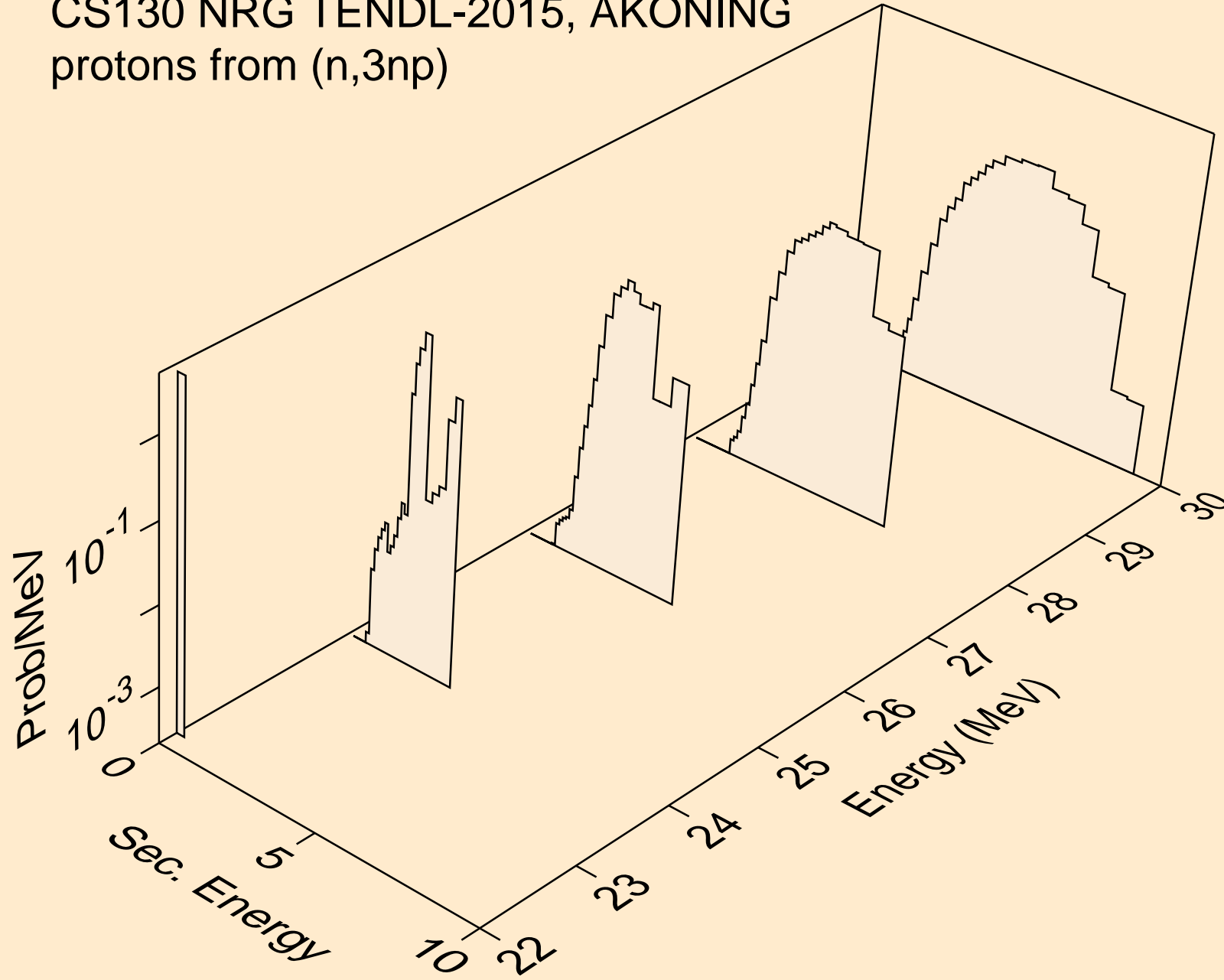
CS130 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



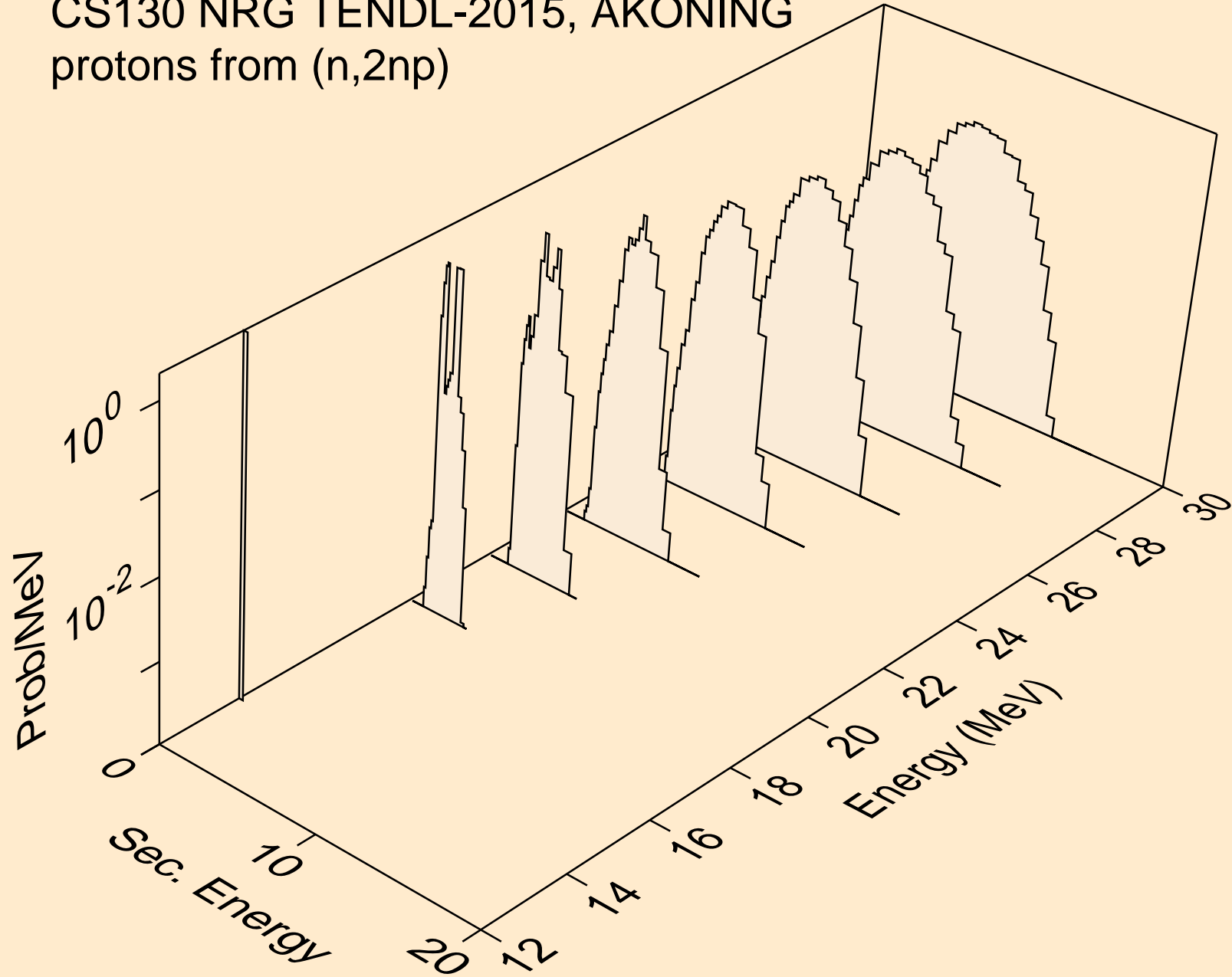
CS130 NRG TENDL-2015, AKONING  
protons from (n,2np)



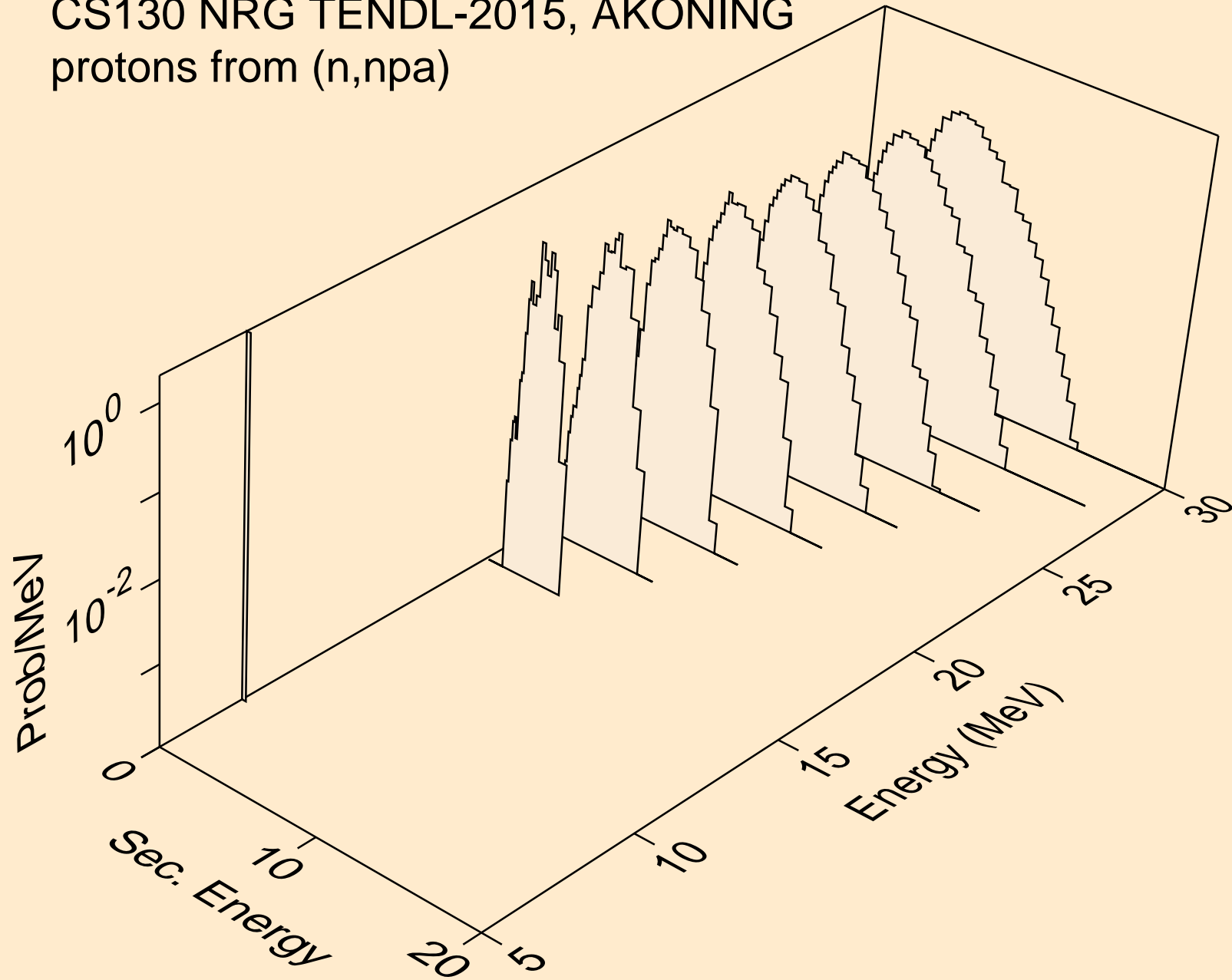
CS130 NRG TENDL-2015, AKONING  
protons from (n,3np)



CS130 NRG TENDL-2015, AKONING  
protons from (n,2np)

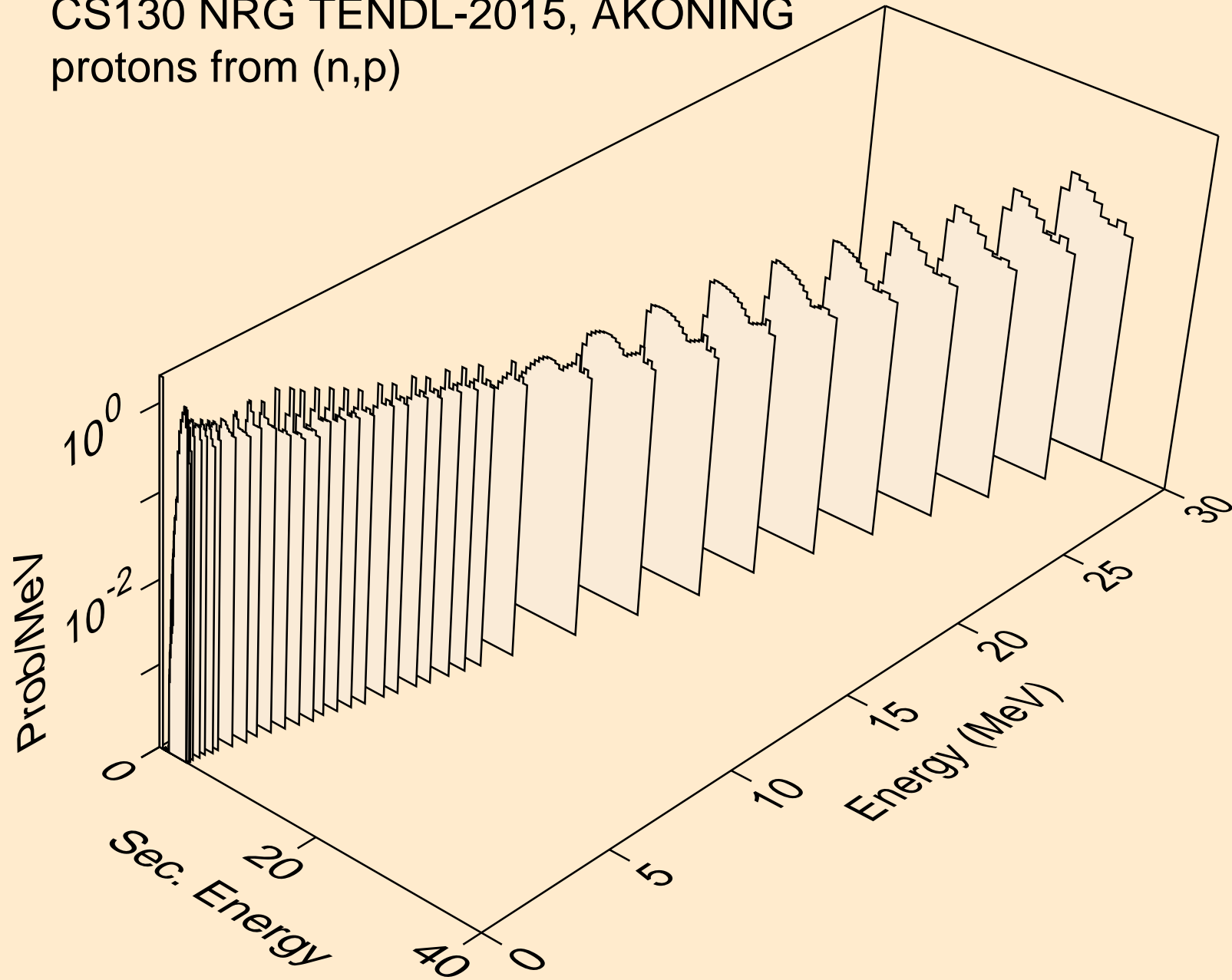


CS130 NRG TENDL-2015, AKONING  
protons from (n,npa)

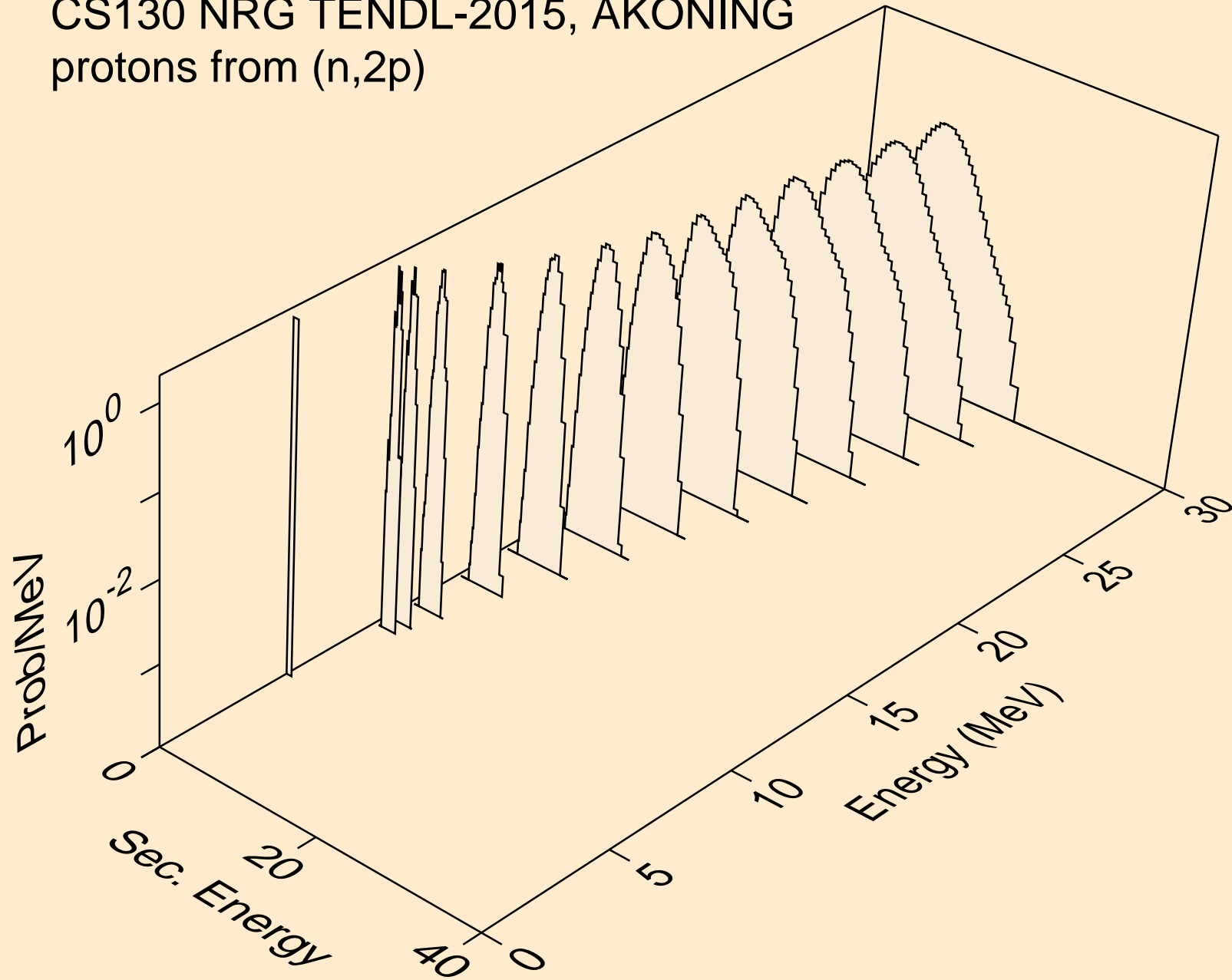




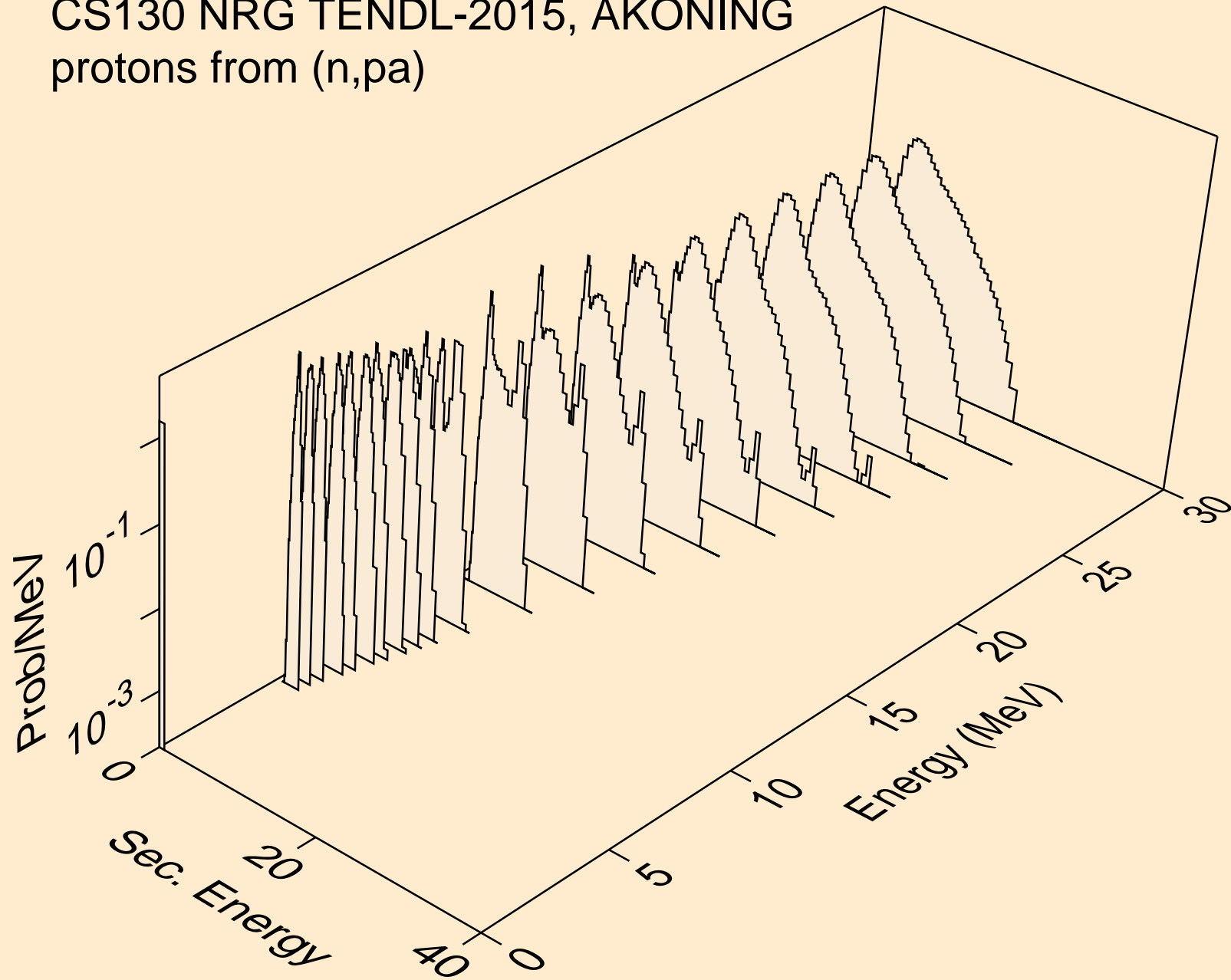
CS130 NRG TENDL-2015, AKONING  
protons from (n,p)



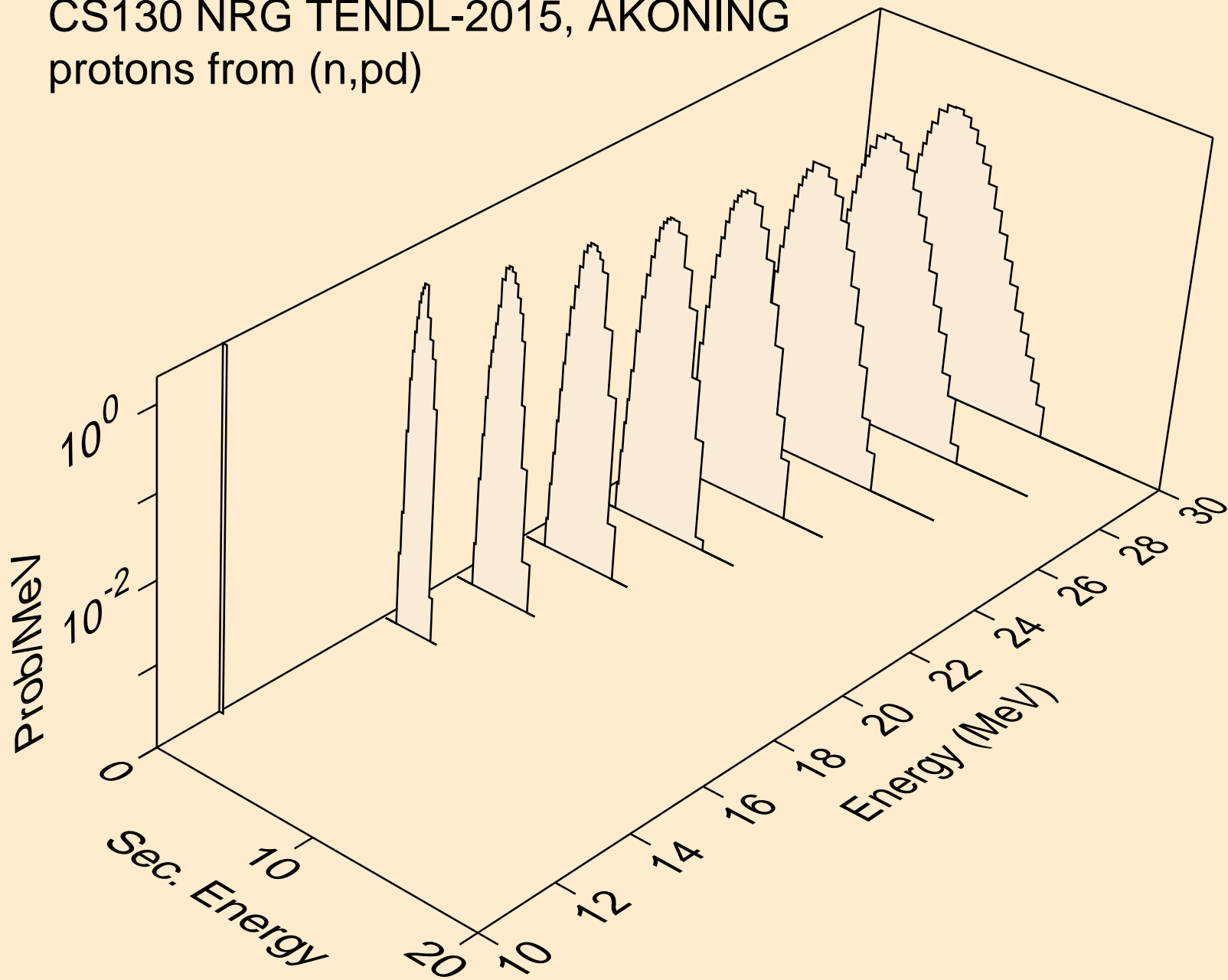
CS130 NRG TENDL-2015, AKONING  
protons from (n,2p)



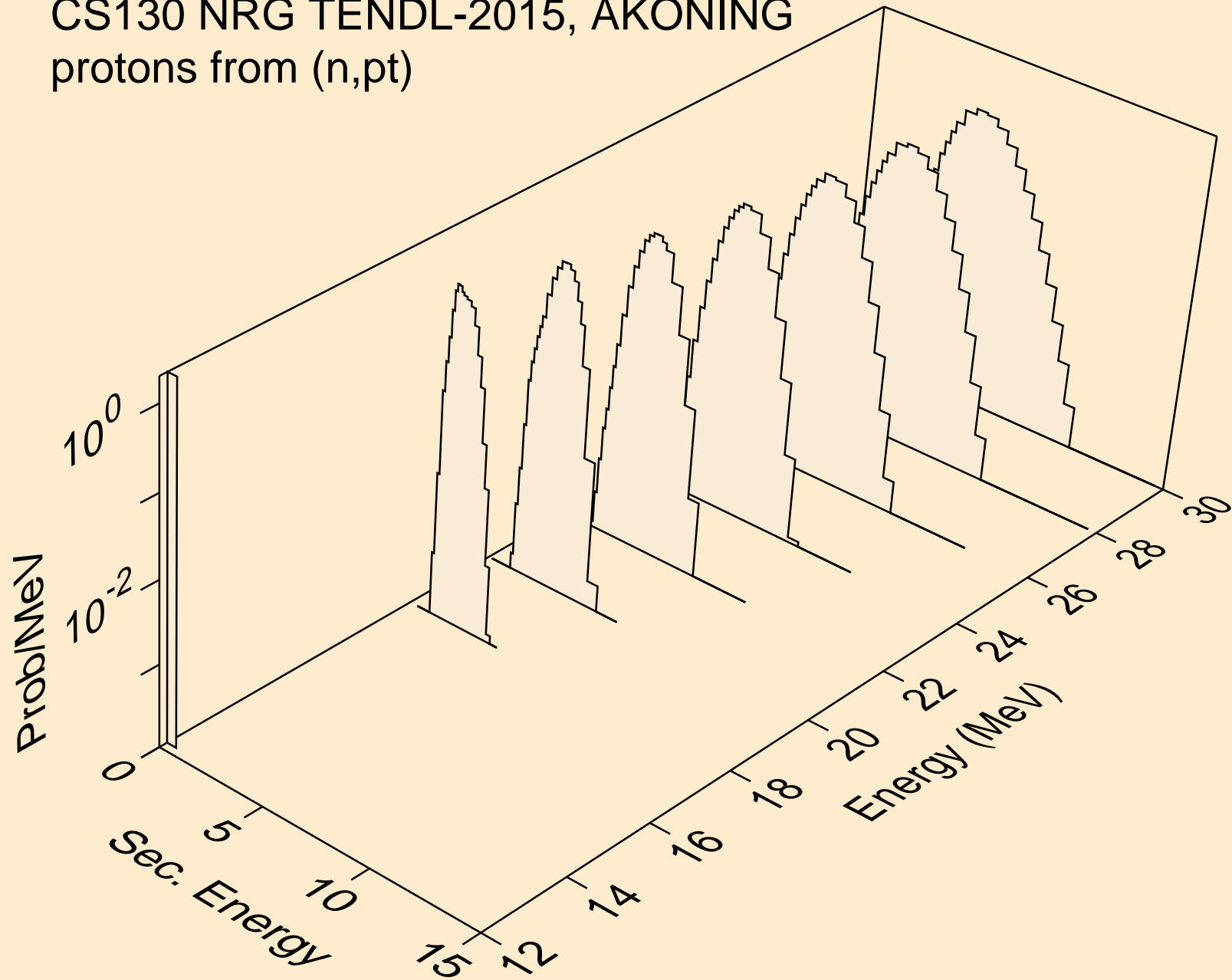
CS130 NRG TENDL-2015, AKONING  
protons from (n,pa)



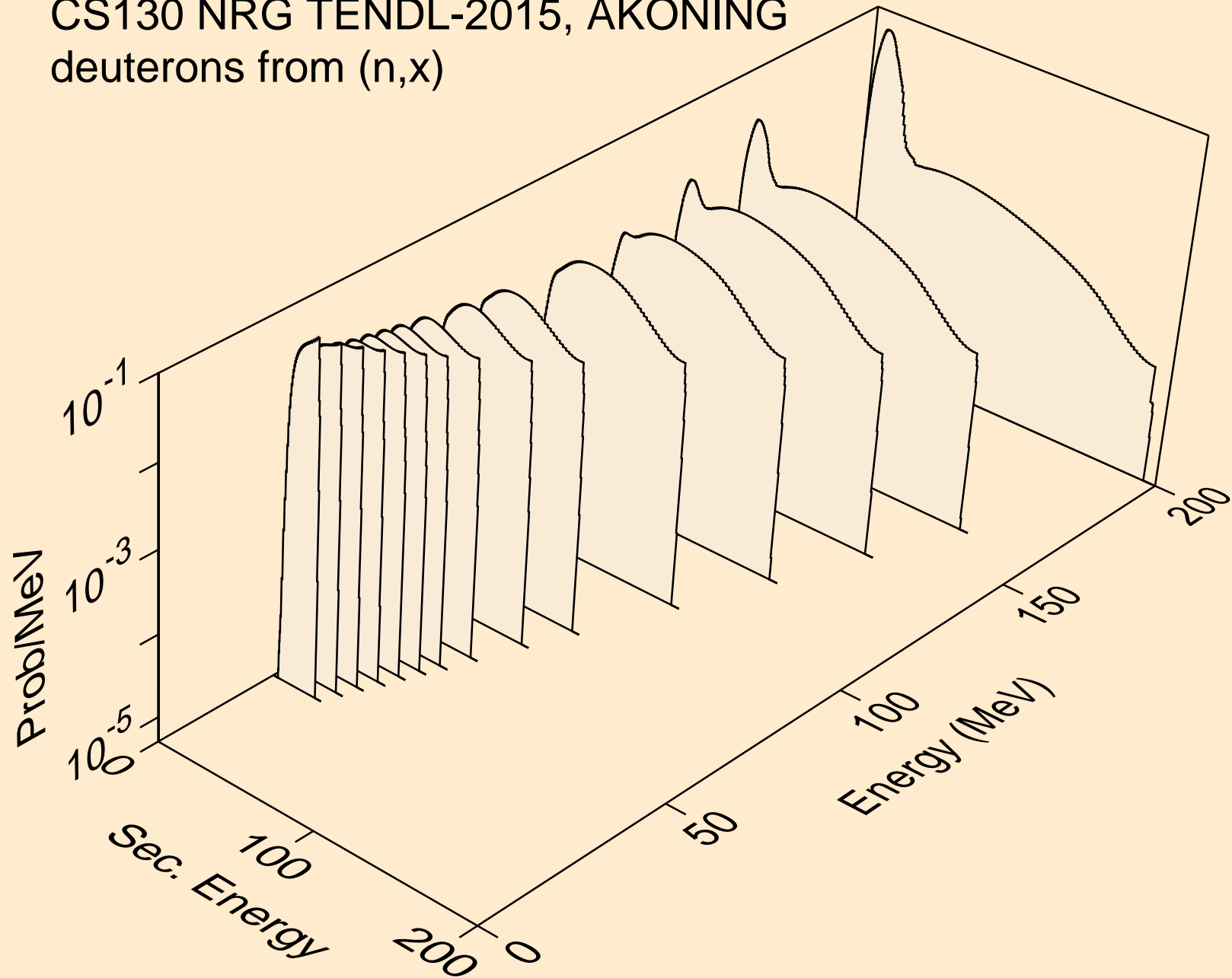
CS130 NRG TENDL-2015, AKONING  
protons from (n,pd)



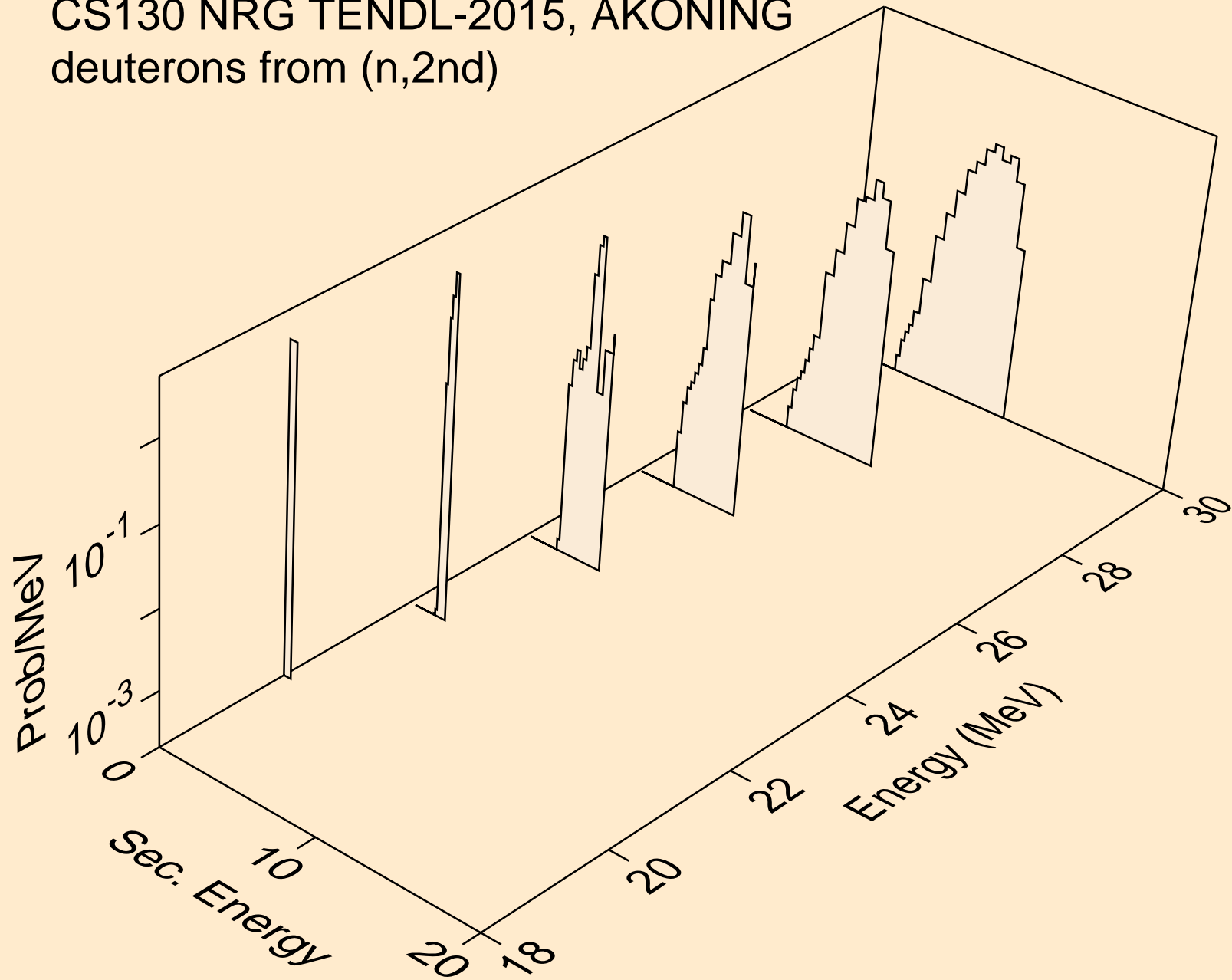
CS130 NRG TENDL-2015, AKONING  
protons from (n,pt)



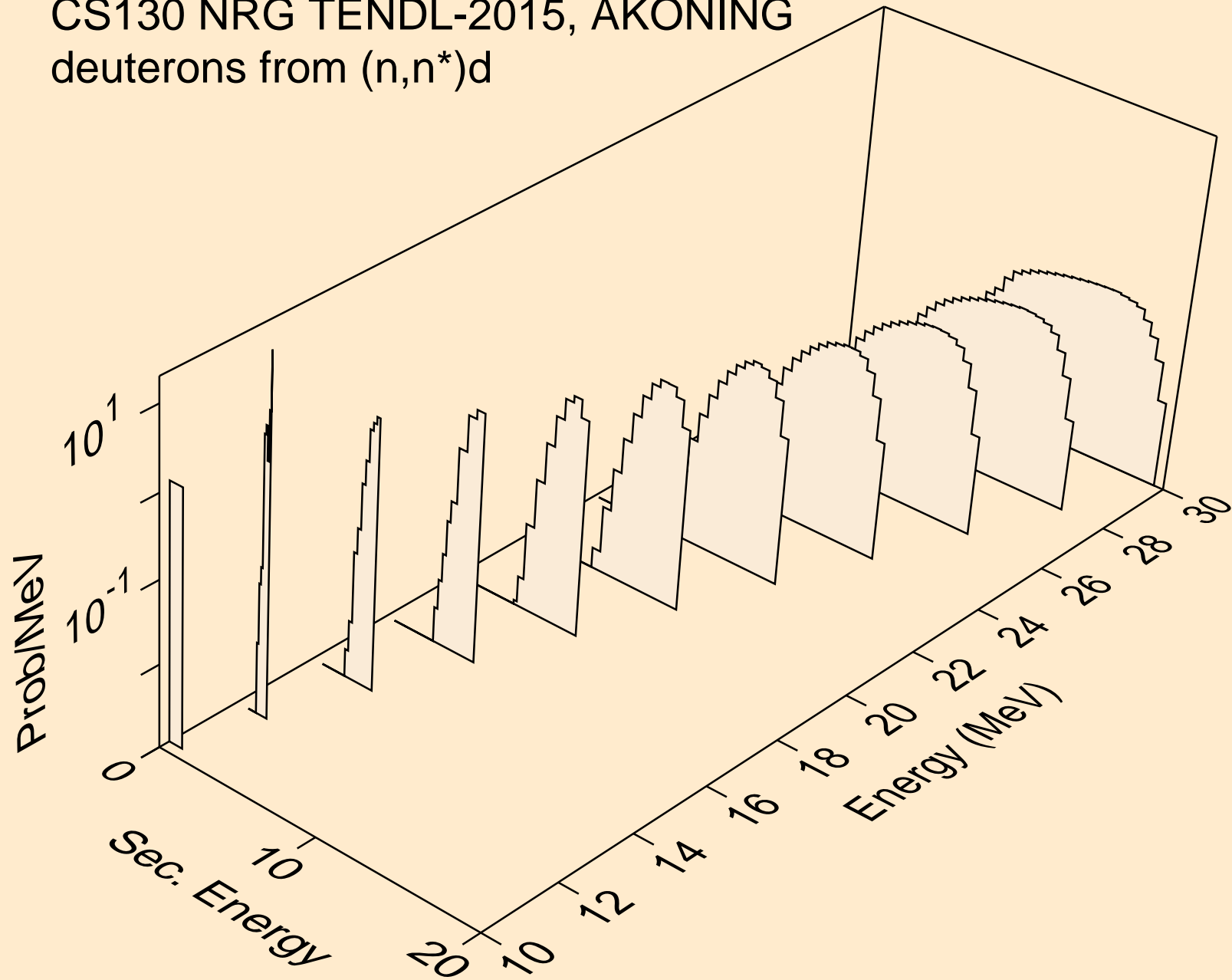
CS130 NRG TENDL-2015, AKONING  
deuterons from (n,x)



CS130 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)

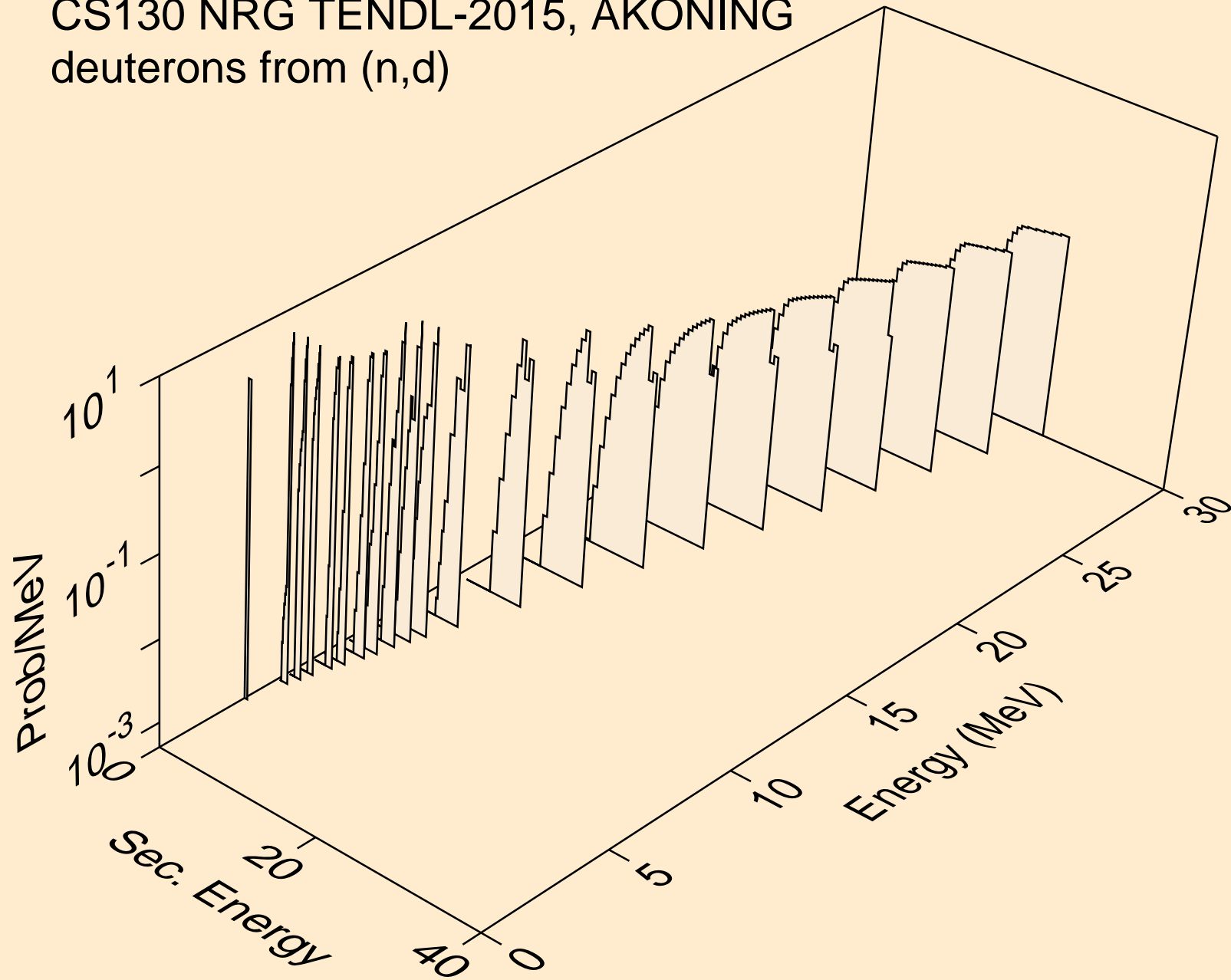


CS130 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d

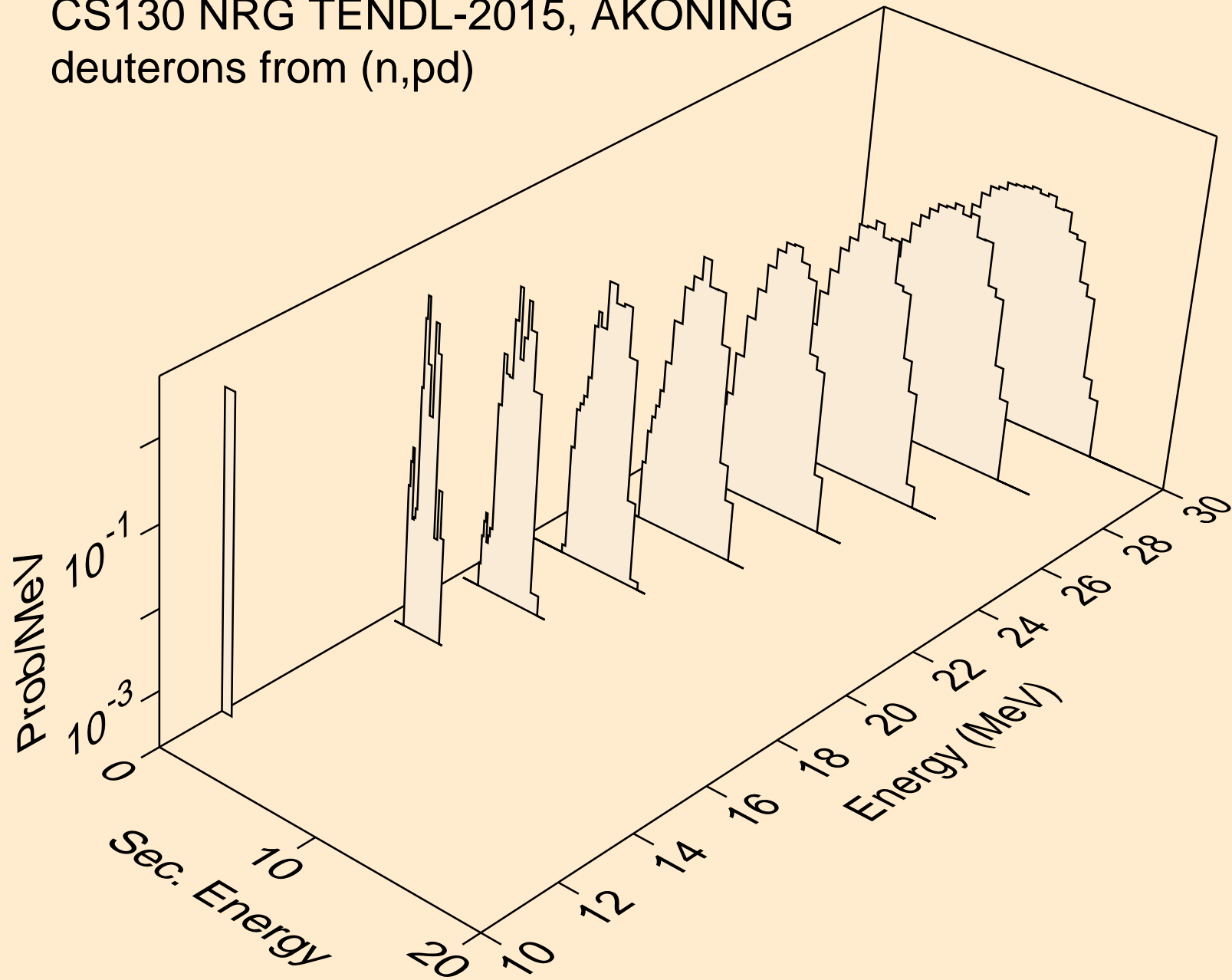




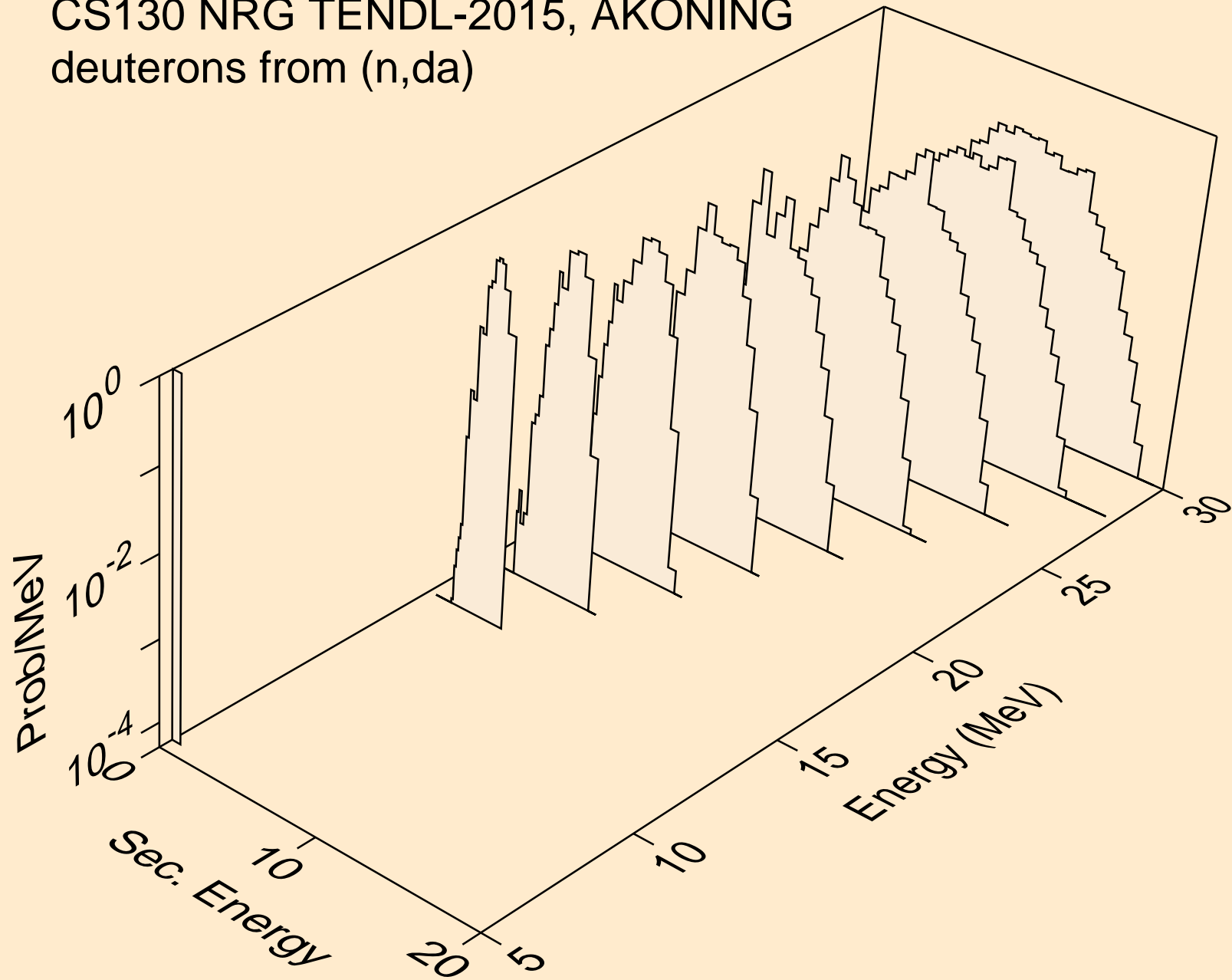
CS130 NRG TENDL-2015, AKONING  
deuterons from (n,d)



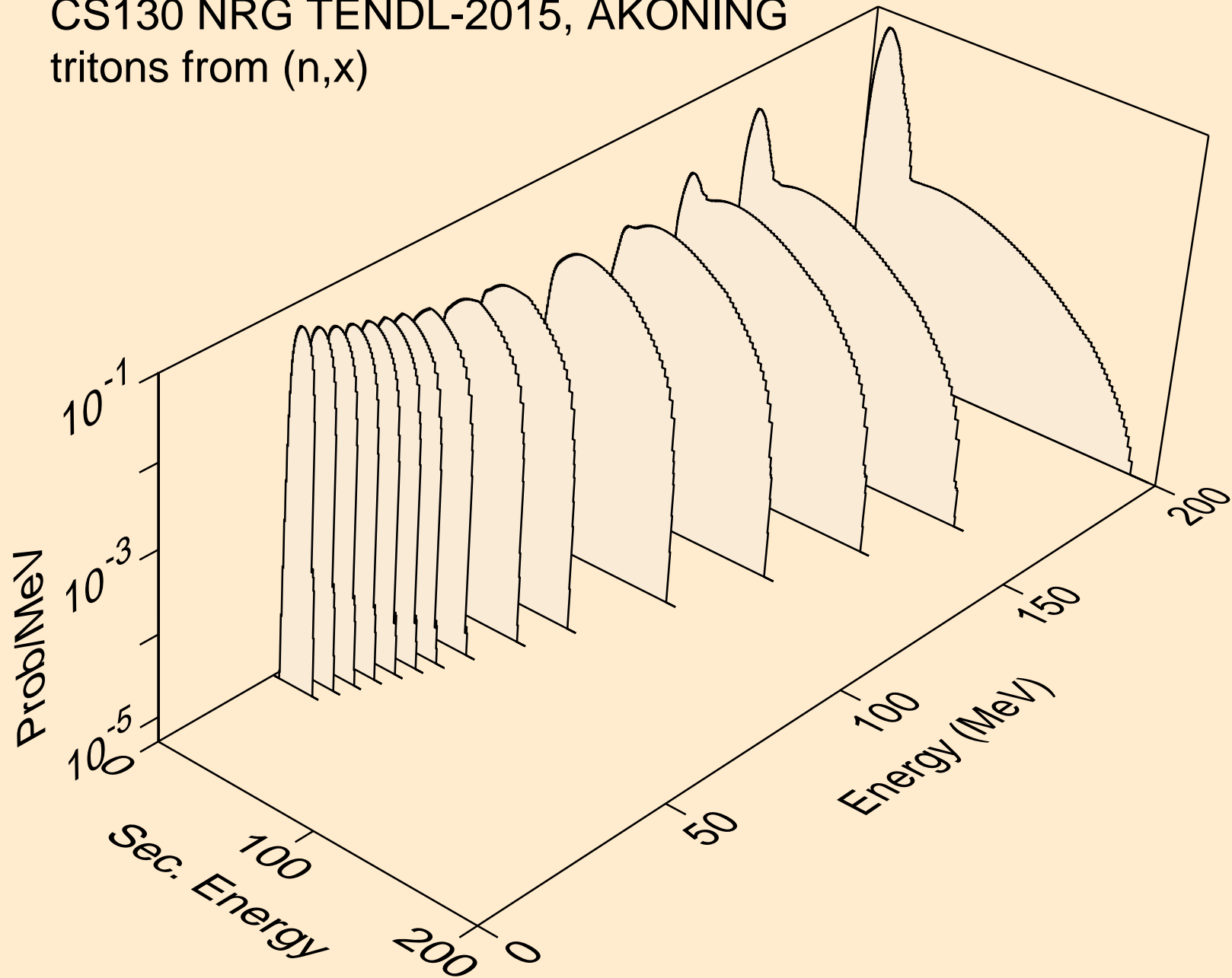
CS130 NRG TENDL-2015, AKONING  
deuterons from (n,pd)



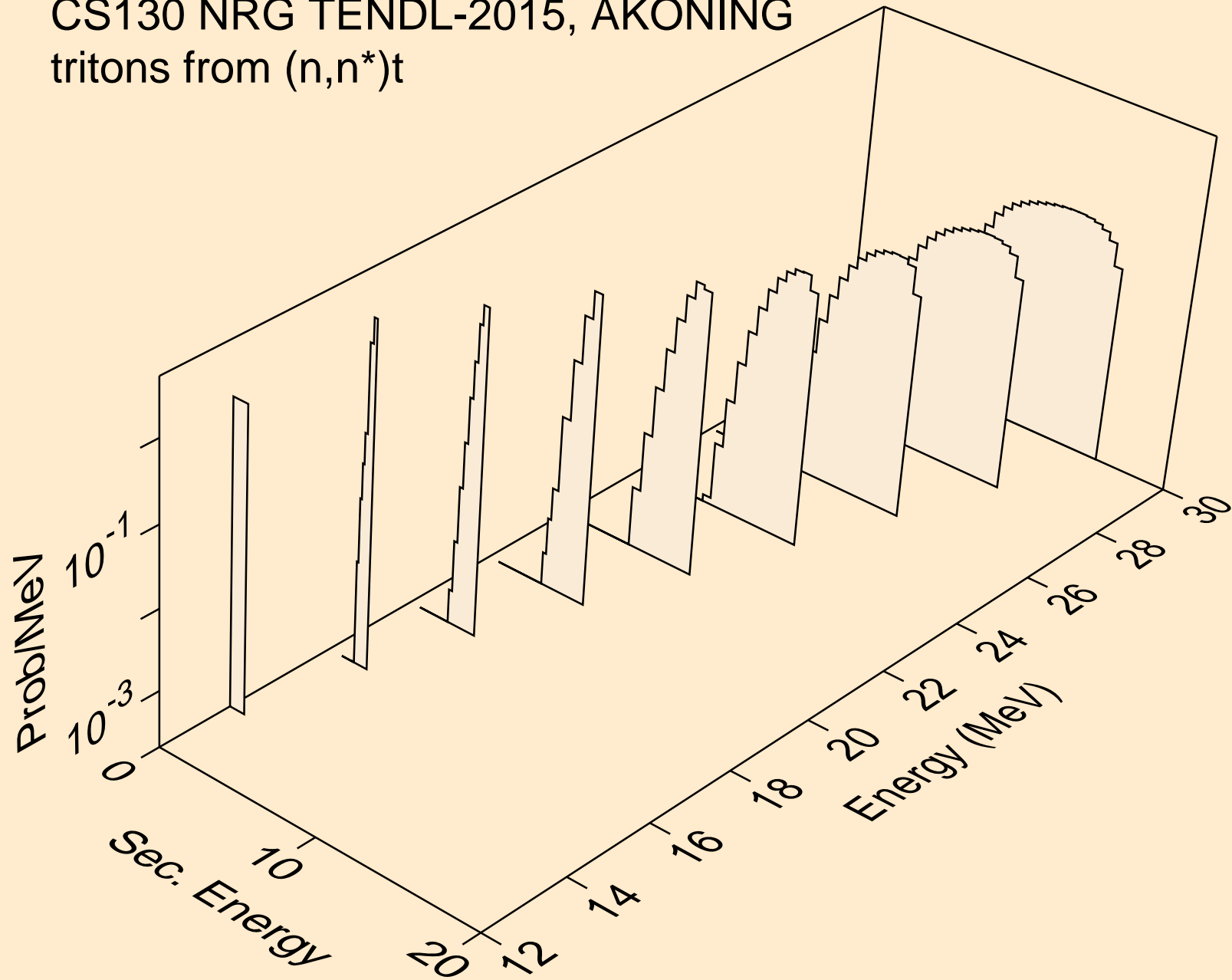
CS130 NRG TENDL-2015, AKONING  
deuterons from (n,da)



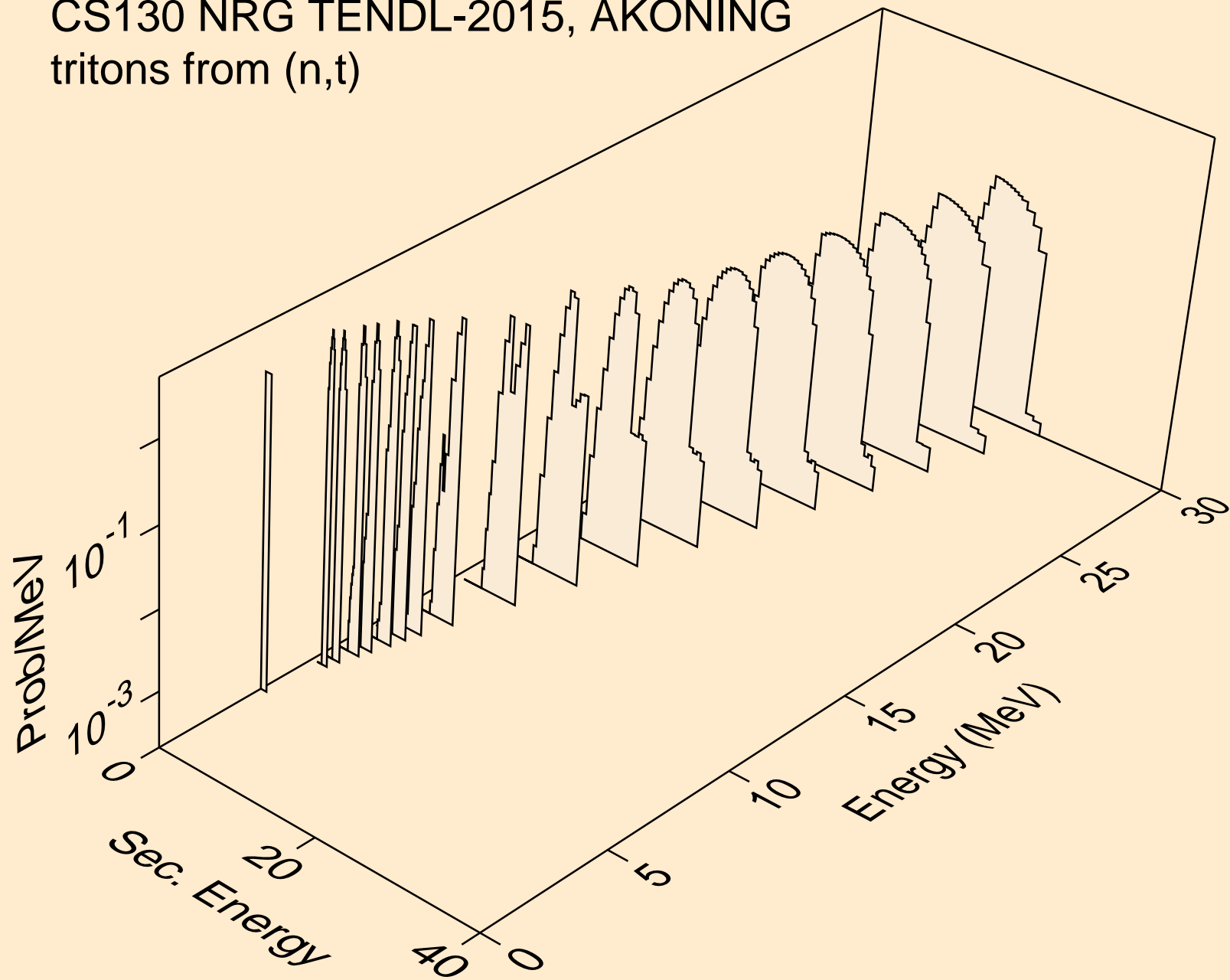
CS130 NRG TENDL-2015, AKONING  
tritons from (n,x)



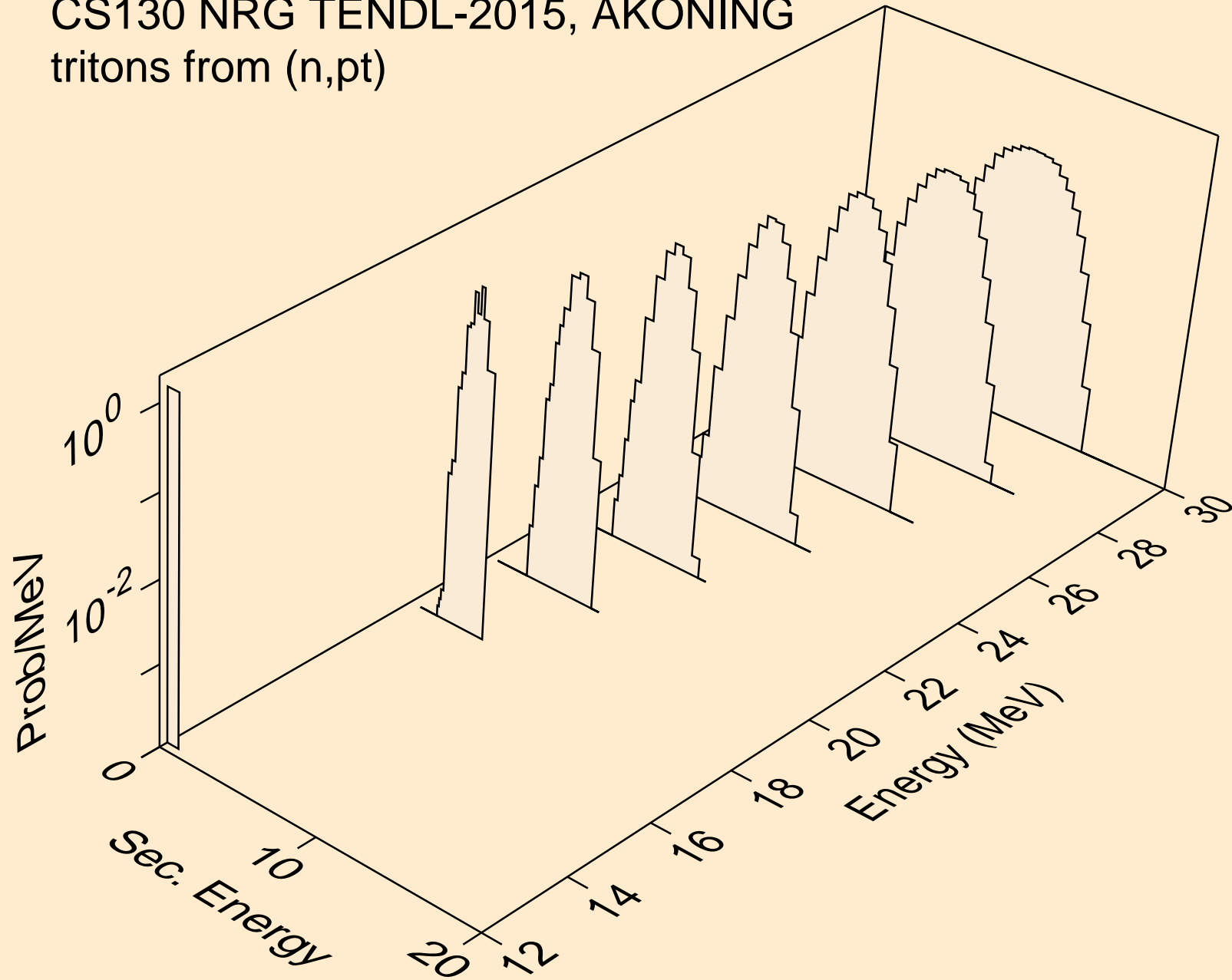
CS130 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



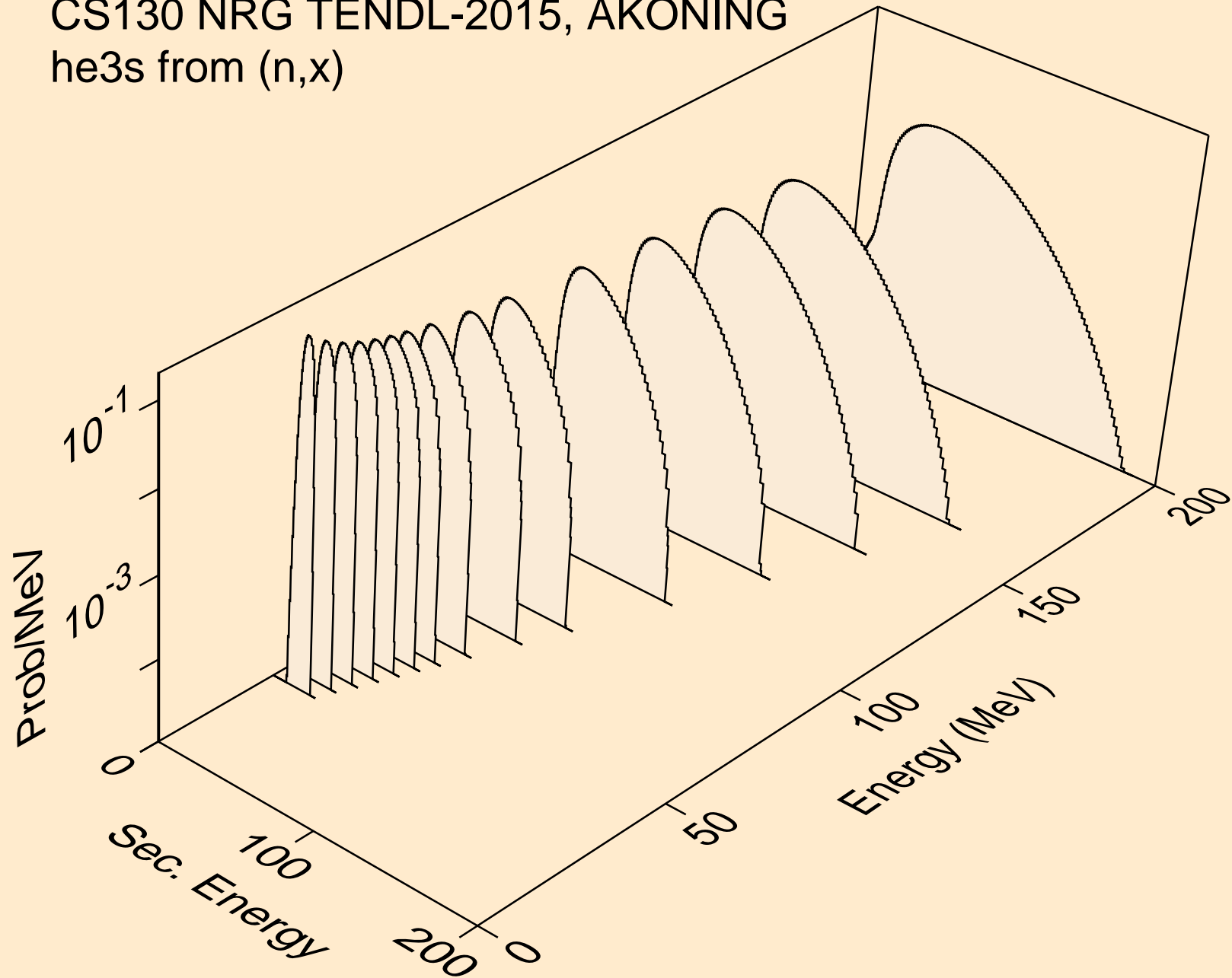
CS130 NRG TENDL-2015, AKONING  
tritons from (n,t)



CS130 NRG TENDL-2015, AKONING  
tritons from (n,pt)

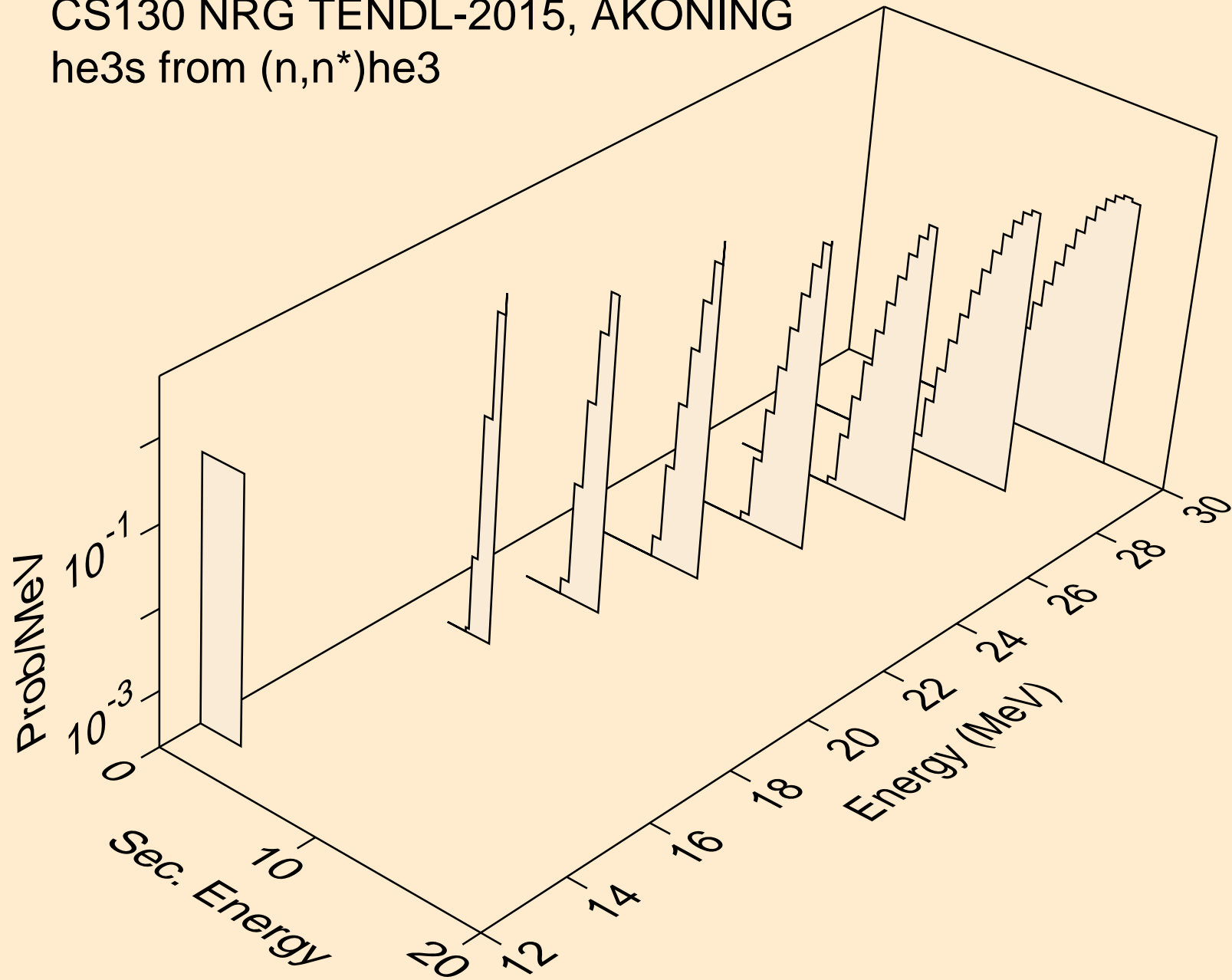


CS130 NRG TENDL-2015, AKONING  
he3s from (n,x)

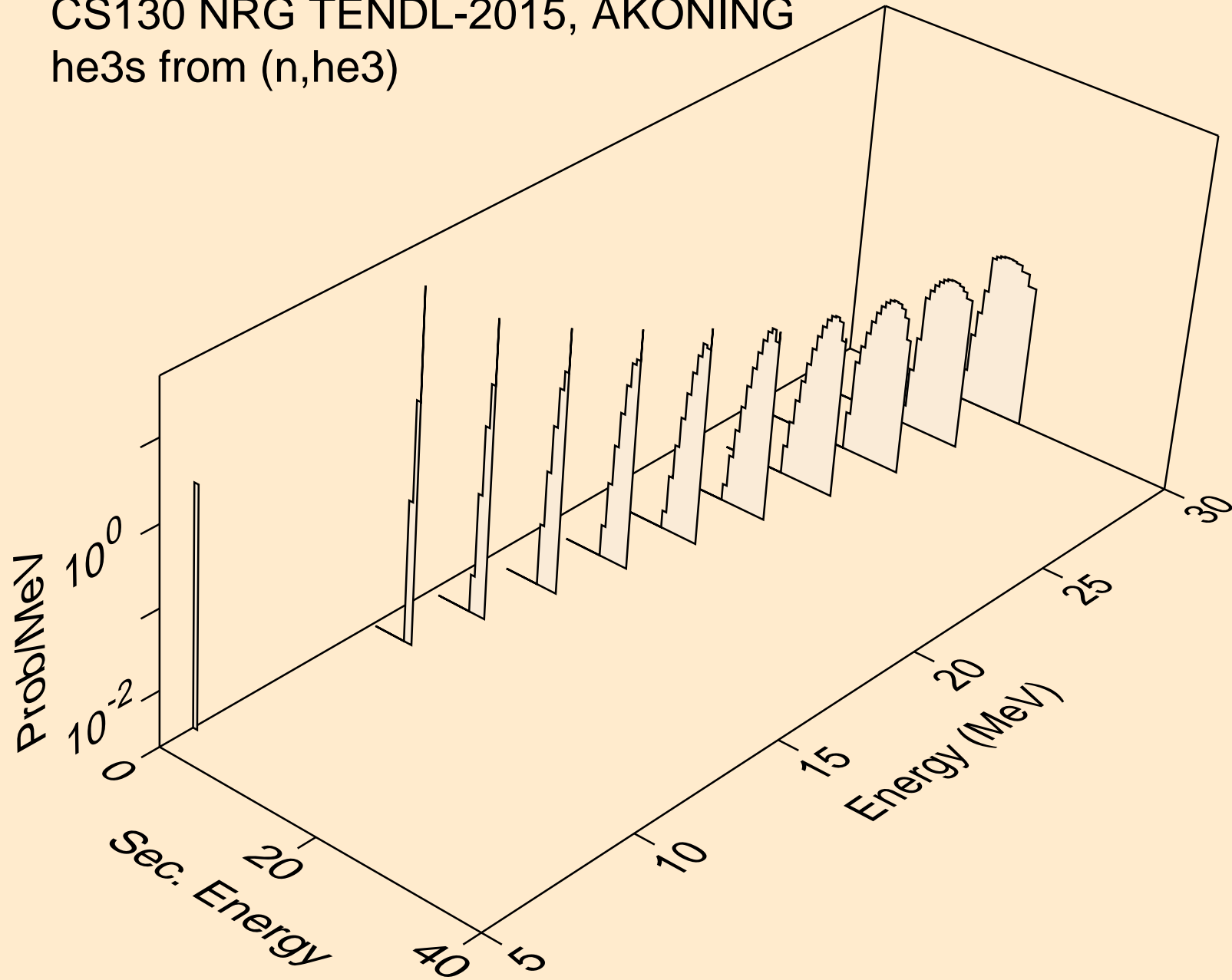




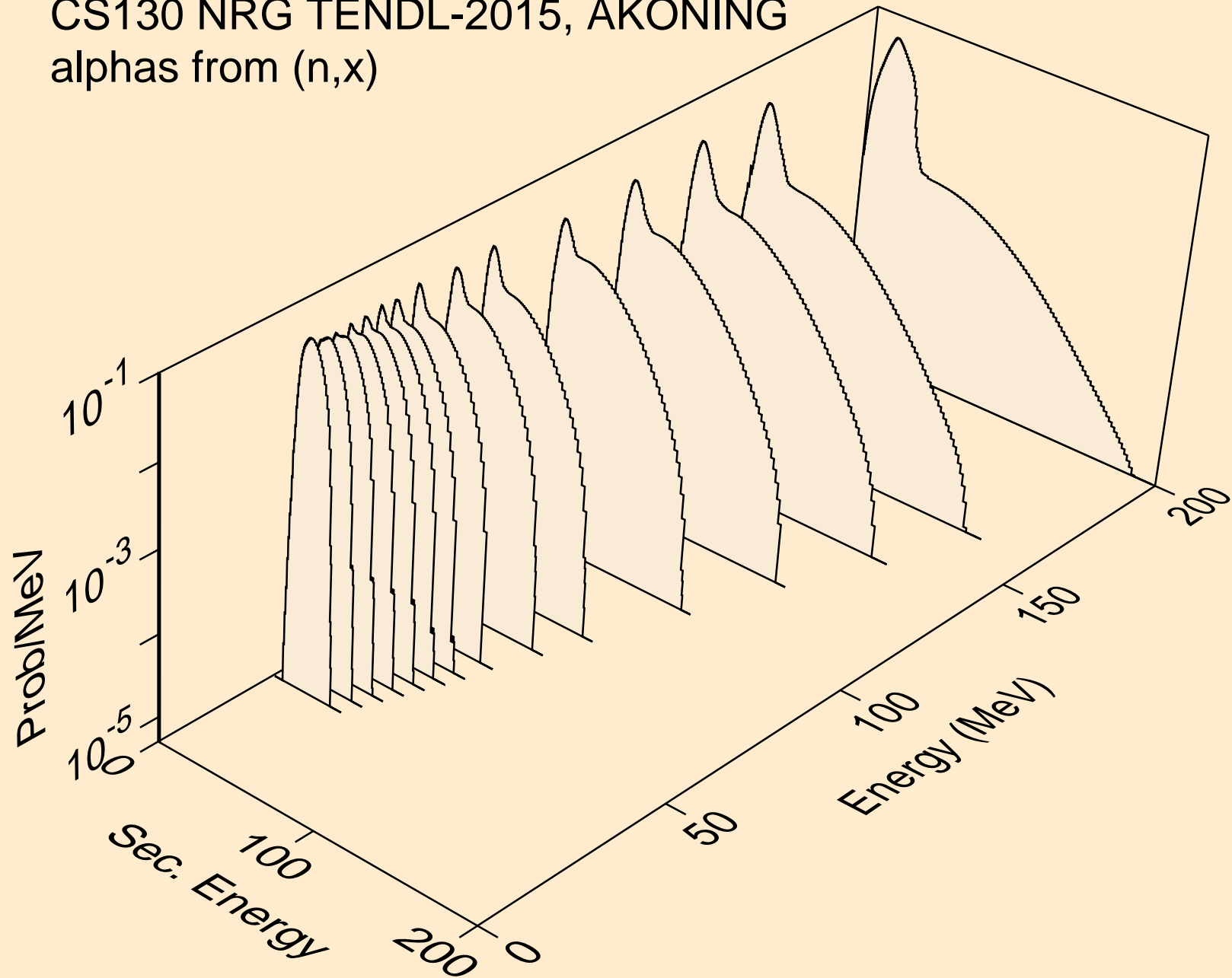
CS130 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



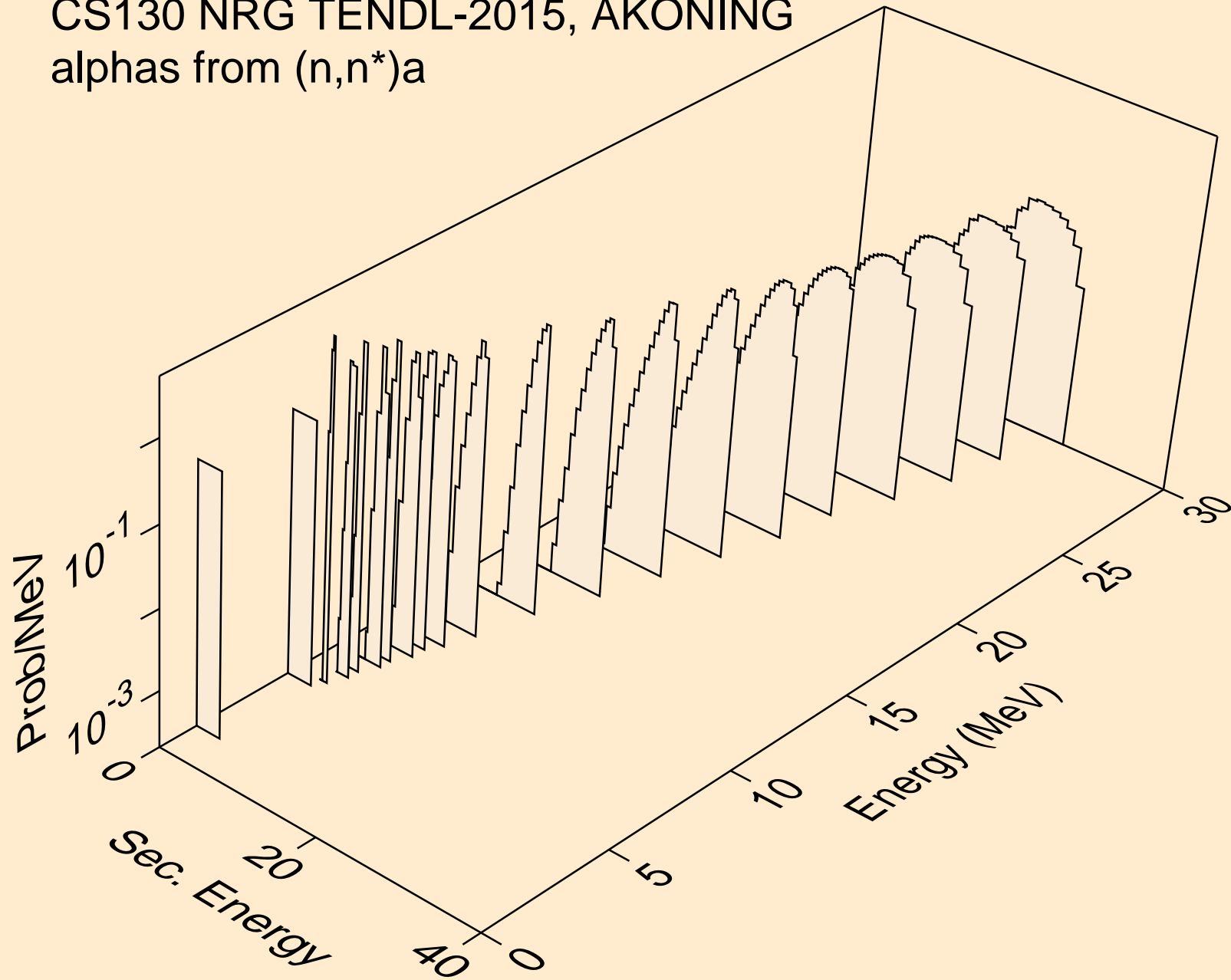
CS130 NRG TENDL-2015, AKONING  
he3s from (n,he3)



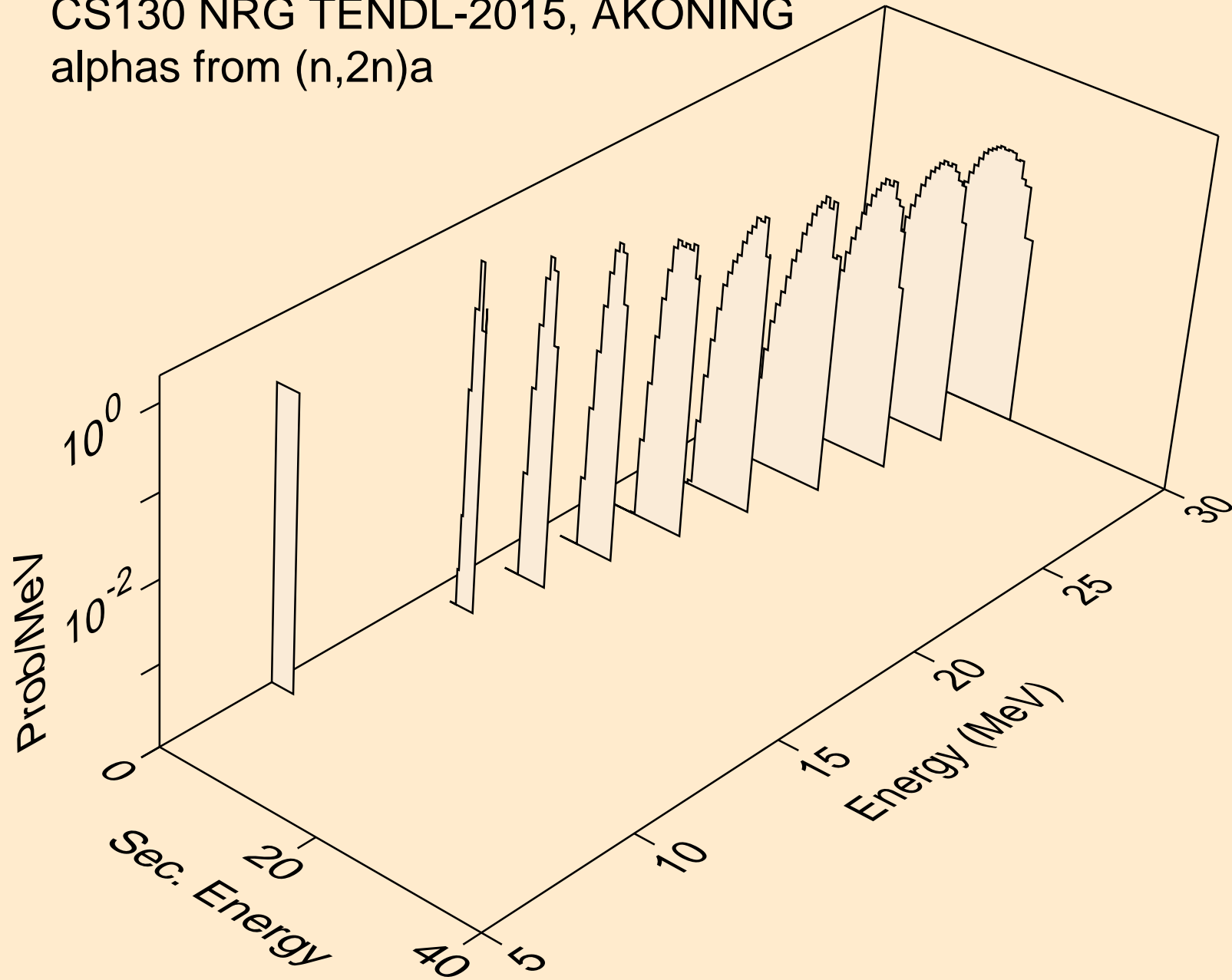
CS130 NRG TENDL-2015, AKONING  
alphas from (n,x)



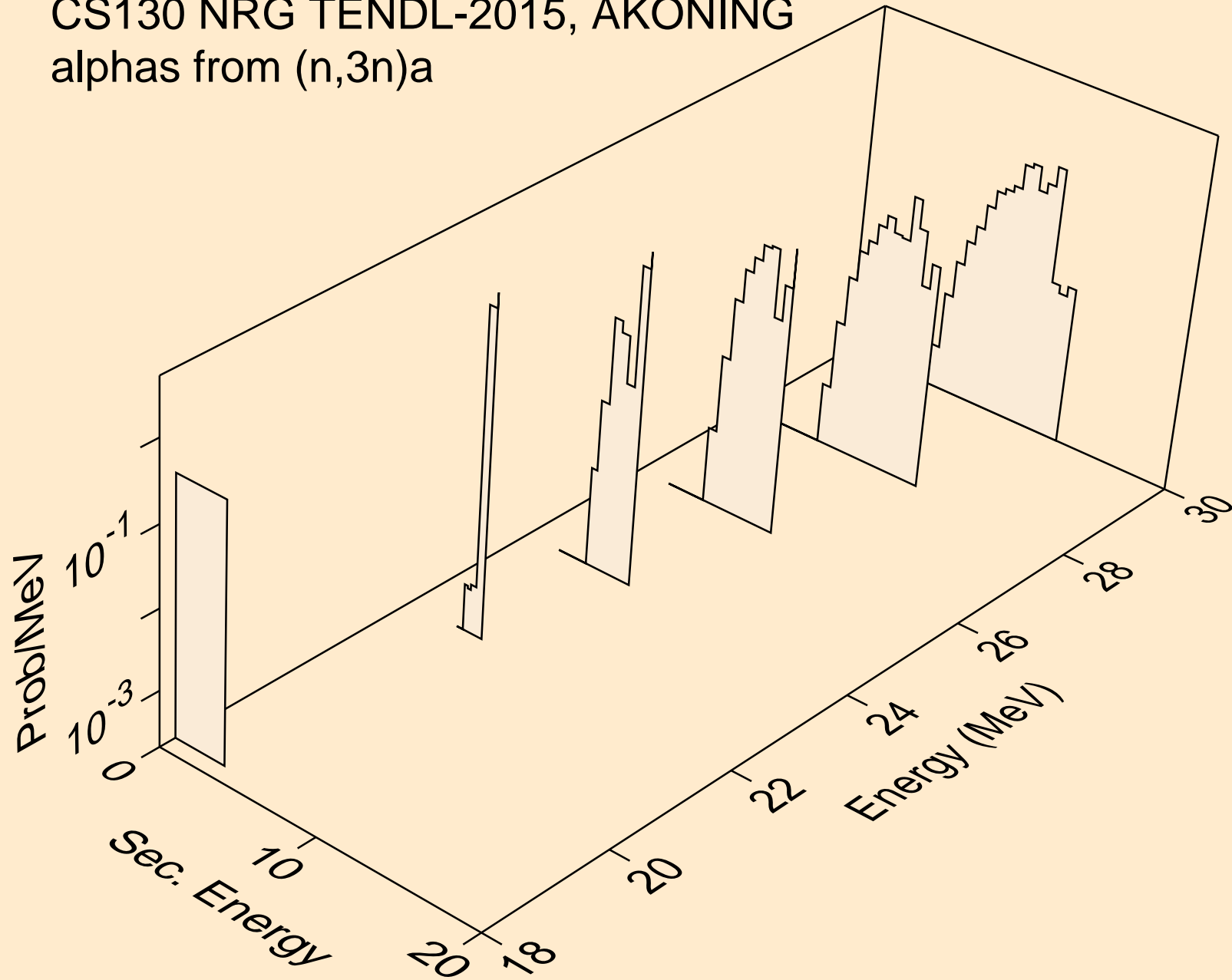
CS130 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



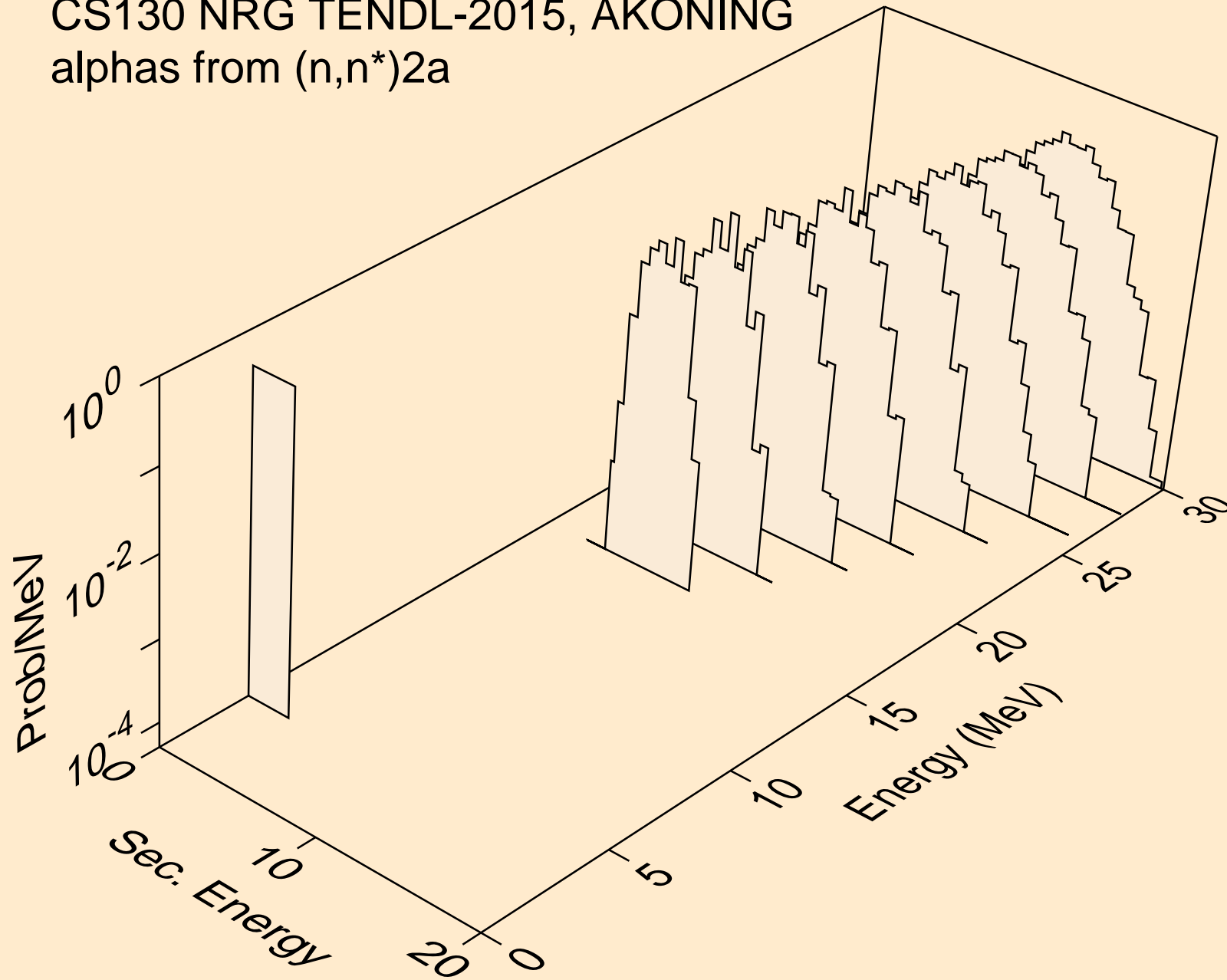
CS130 NRG TENDL-2015, AKONING  
alphas from (n,2n)a



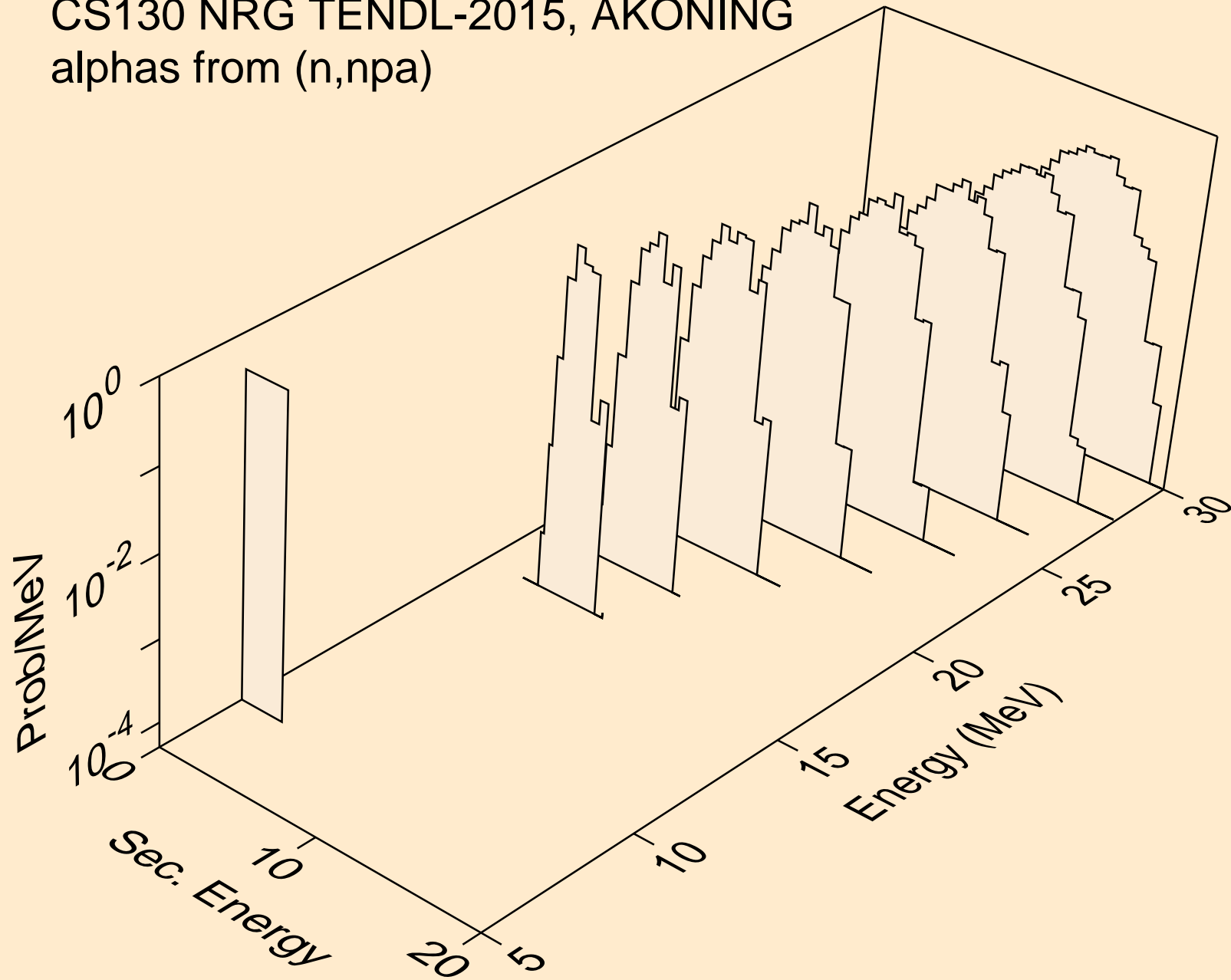
CS130 NRG TENDL-2015, AKONING  
alphas from (n,3n)a



CS130 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a

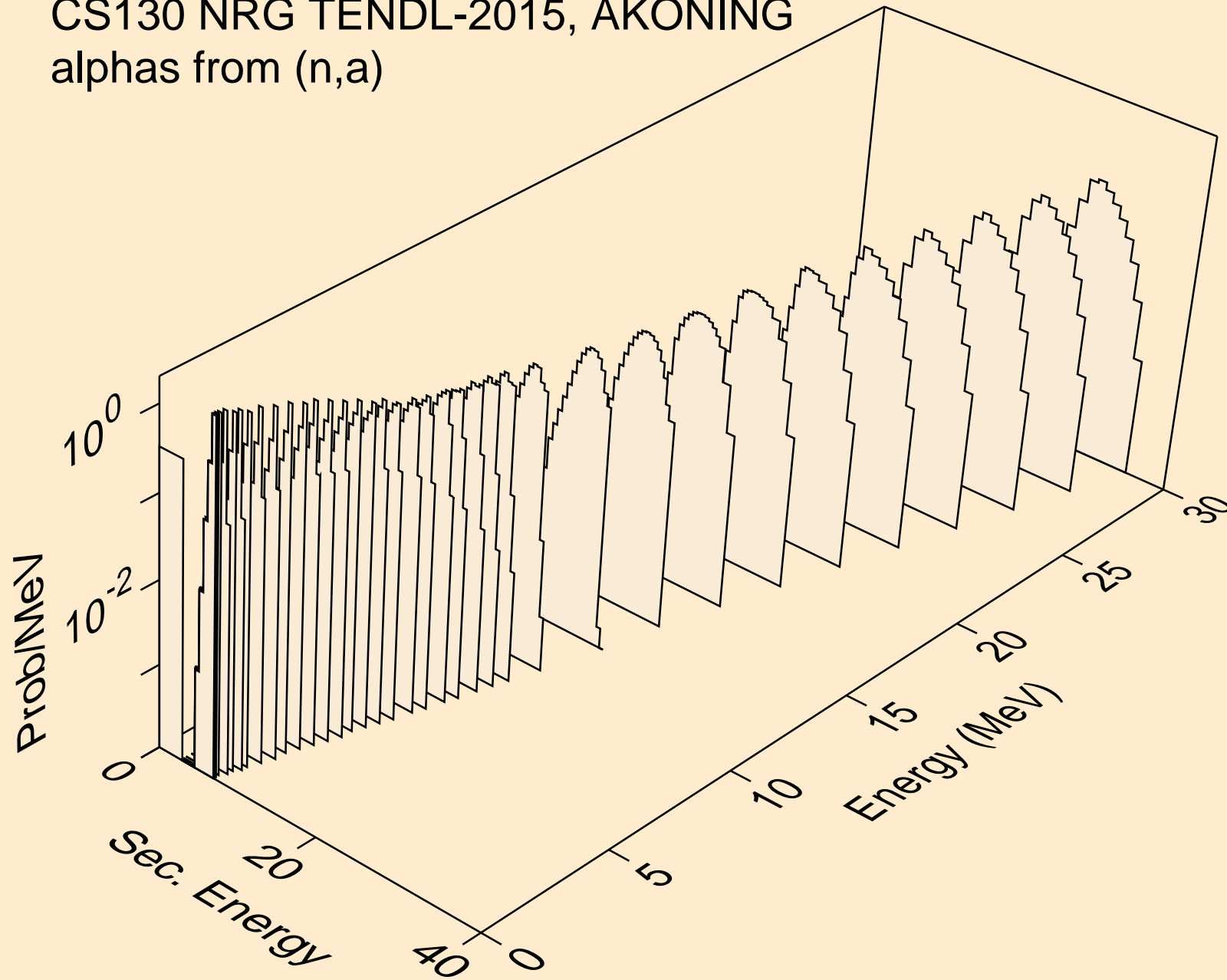


CS130 NRG TENDL-2015, AKONING  
alphas from (n,npa)

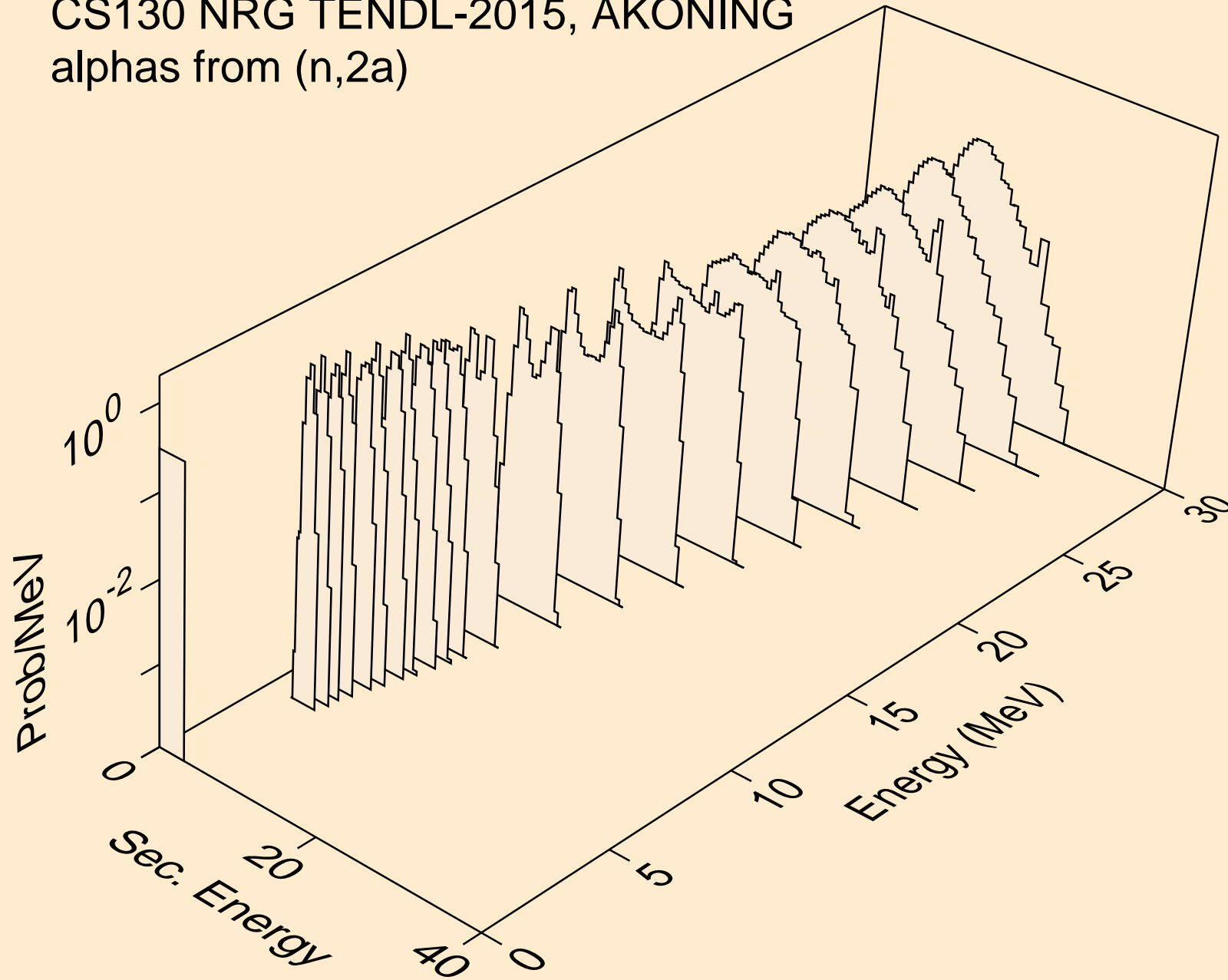




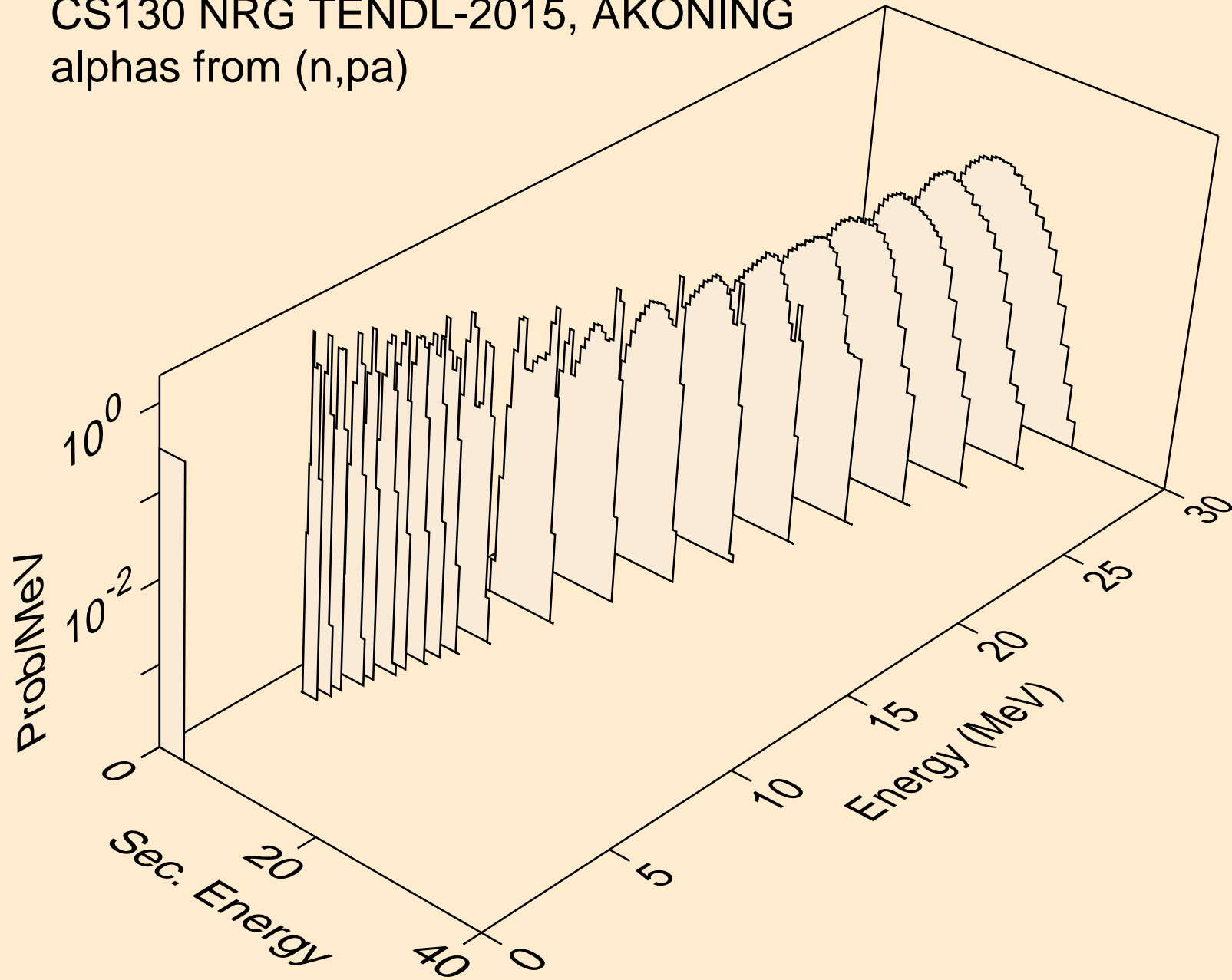
CS130 NRG TENDL-2015, AKONING  
alphas from (n,a)



CS130 NRG TENDL-2015, AKONING  
alphas from (n,2a)



CS130 NRG TENDL-2015, AKONING  
alphas from (n,pa)



CS130 NRG TENDL-2015, AKONING  
alphas from (n,da)

