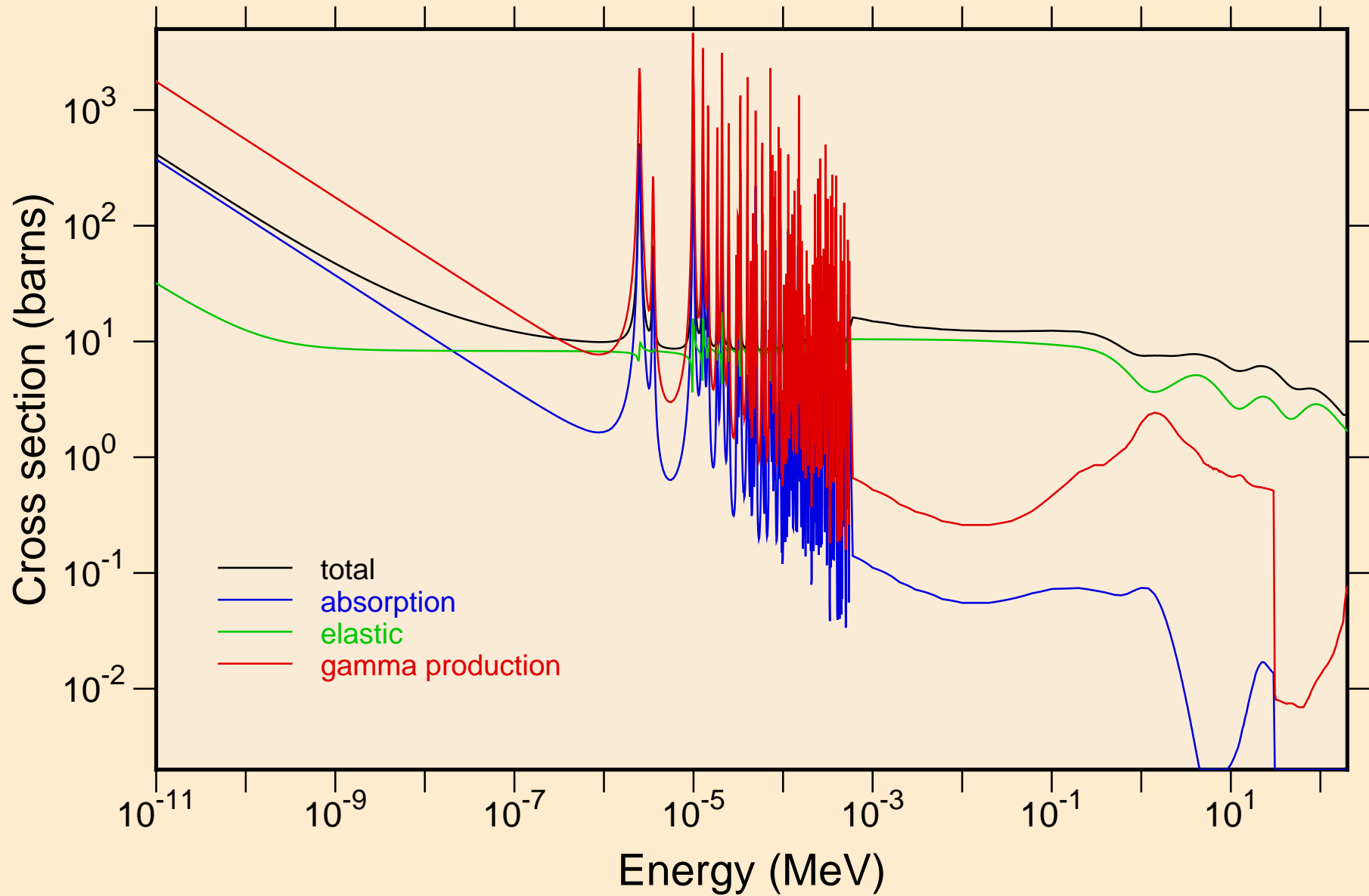
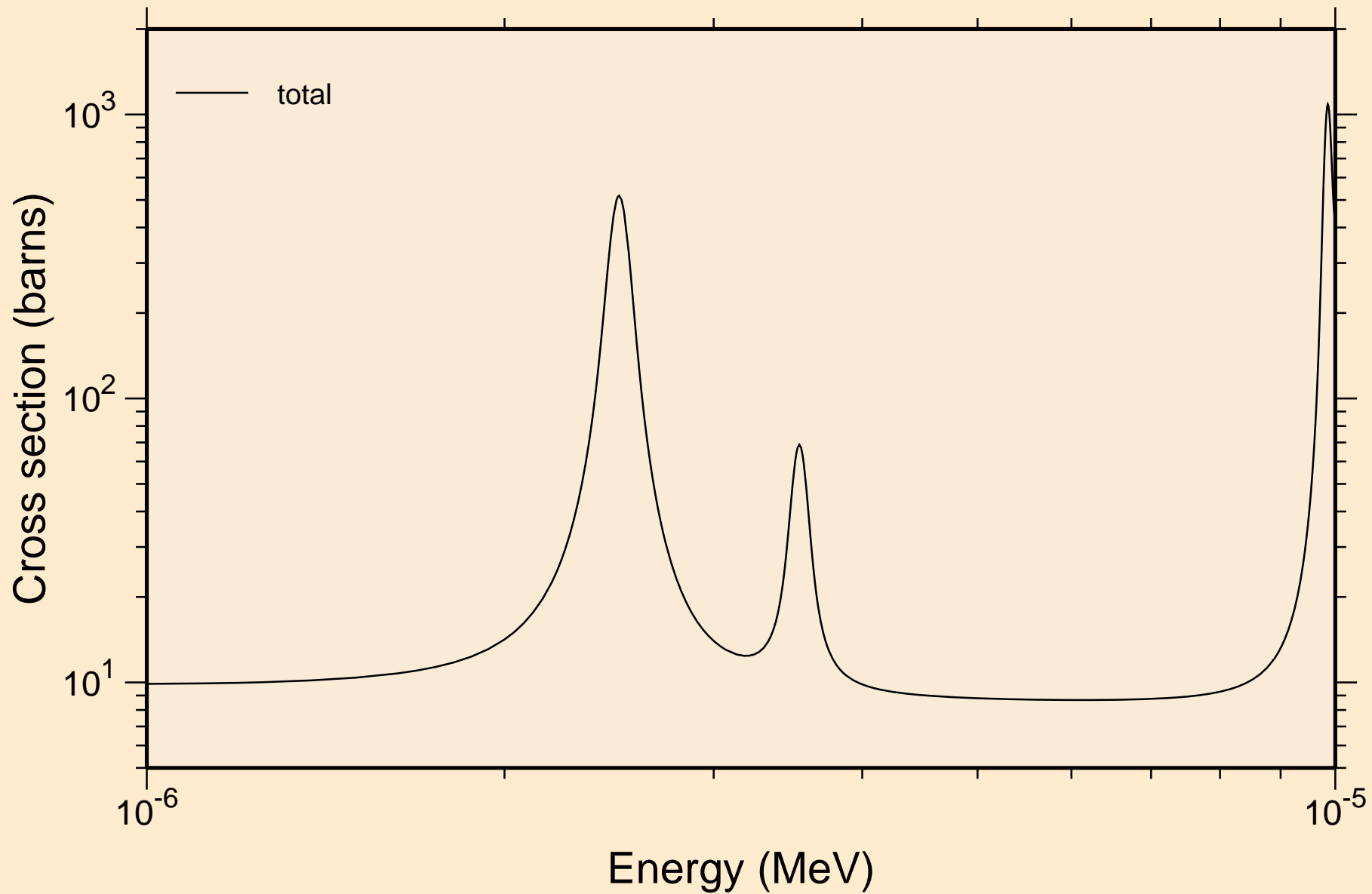


# CM238 NRG TENDL-2015, AKONING

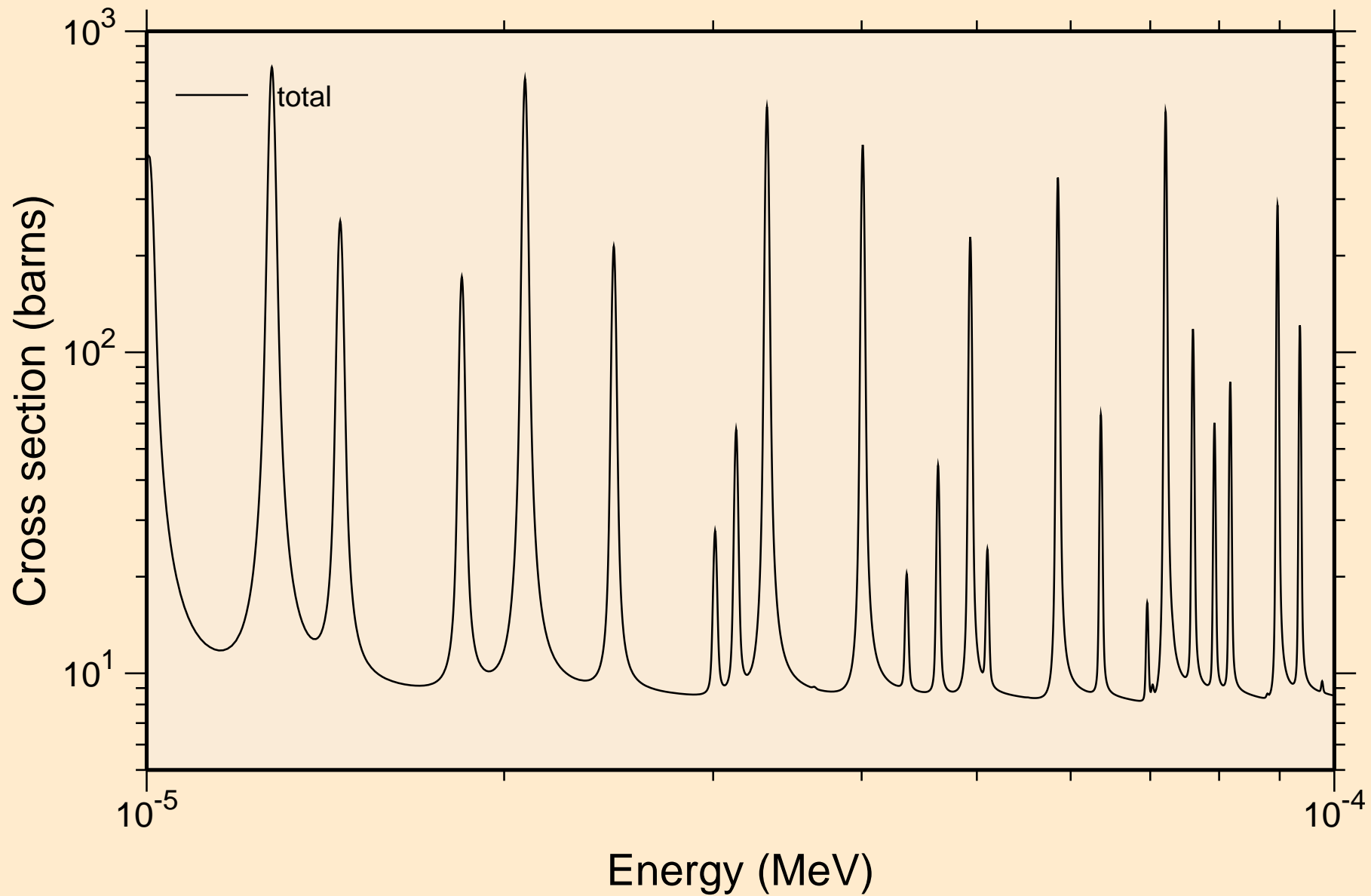
## Principal cross sections



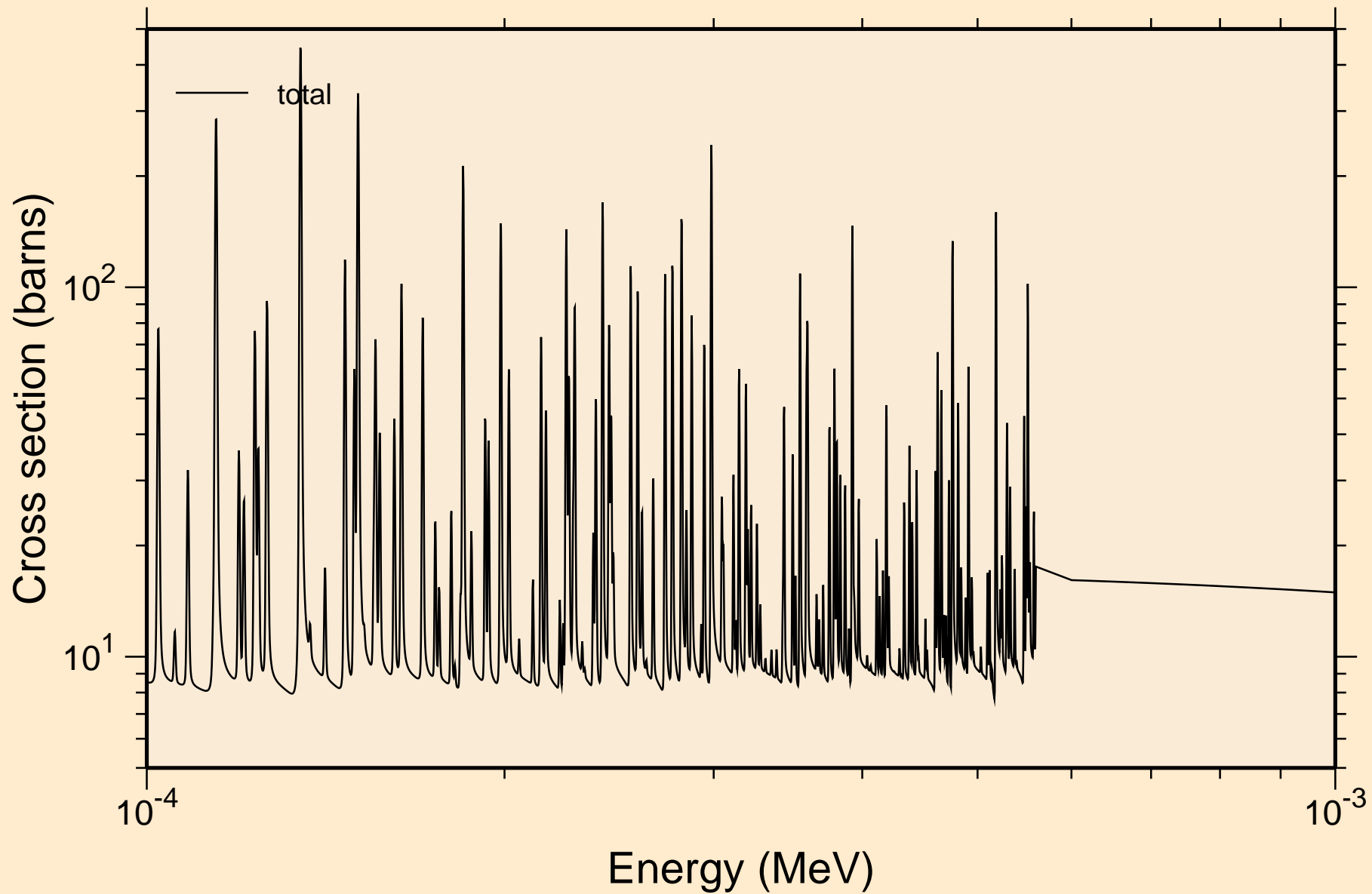
CM238 NRG TENDL-2015, AKONING  
resonance total cross section



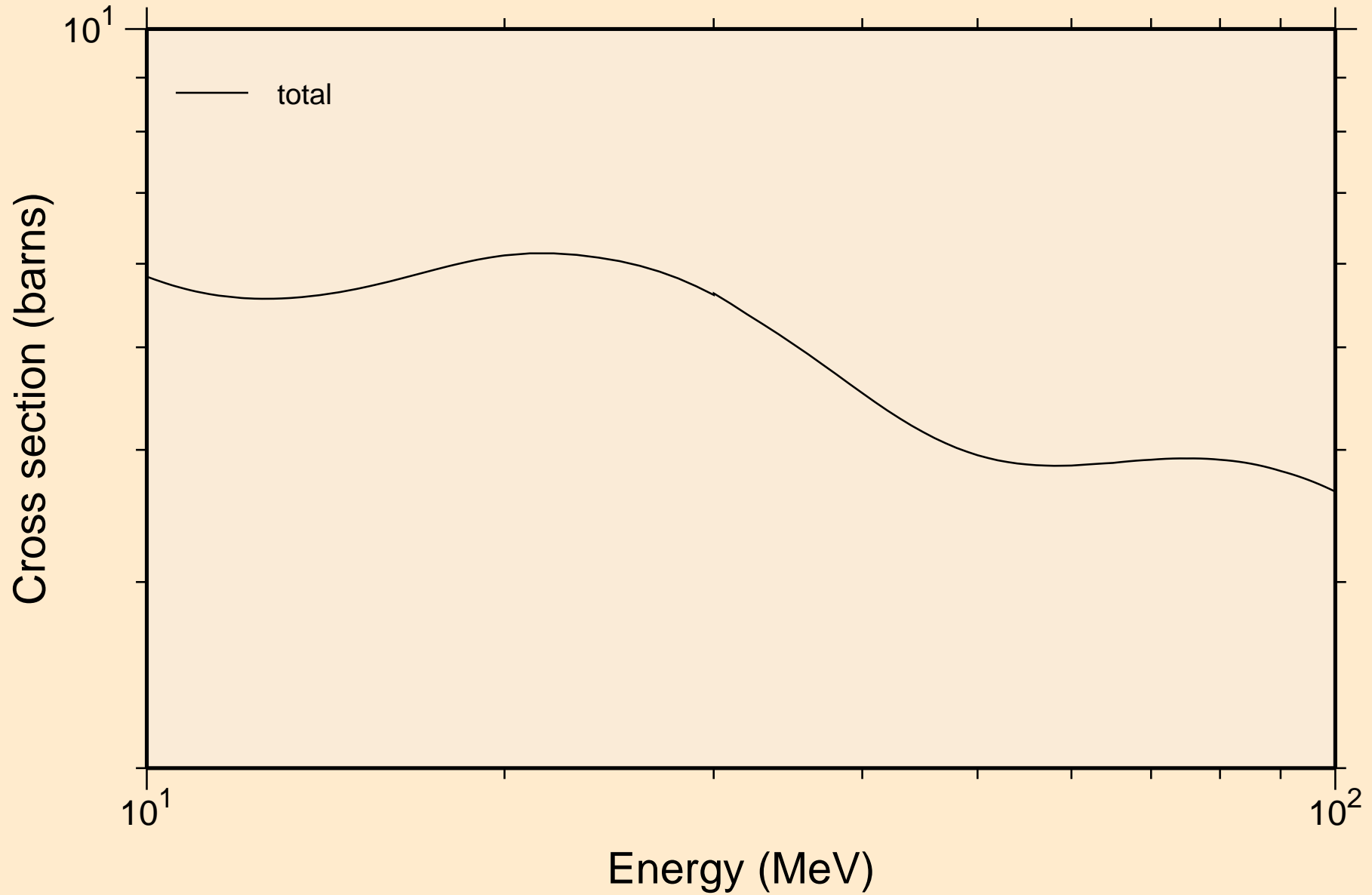
CM238 NRG TENDL-2015, AKONING  
resonance total cross section



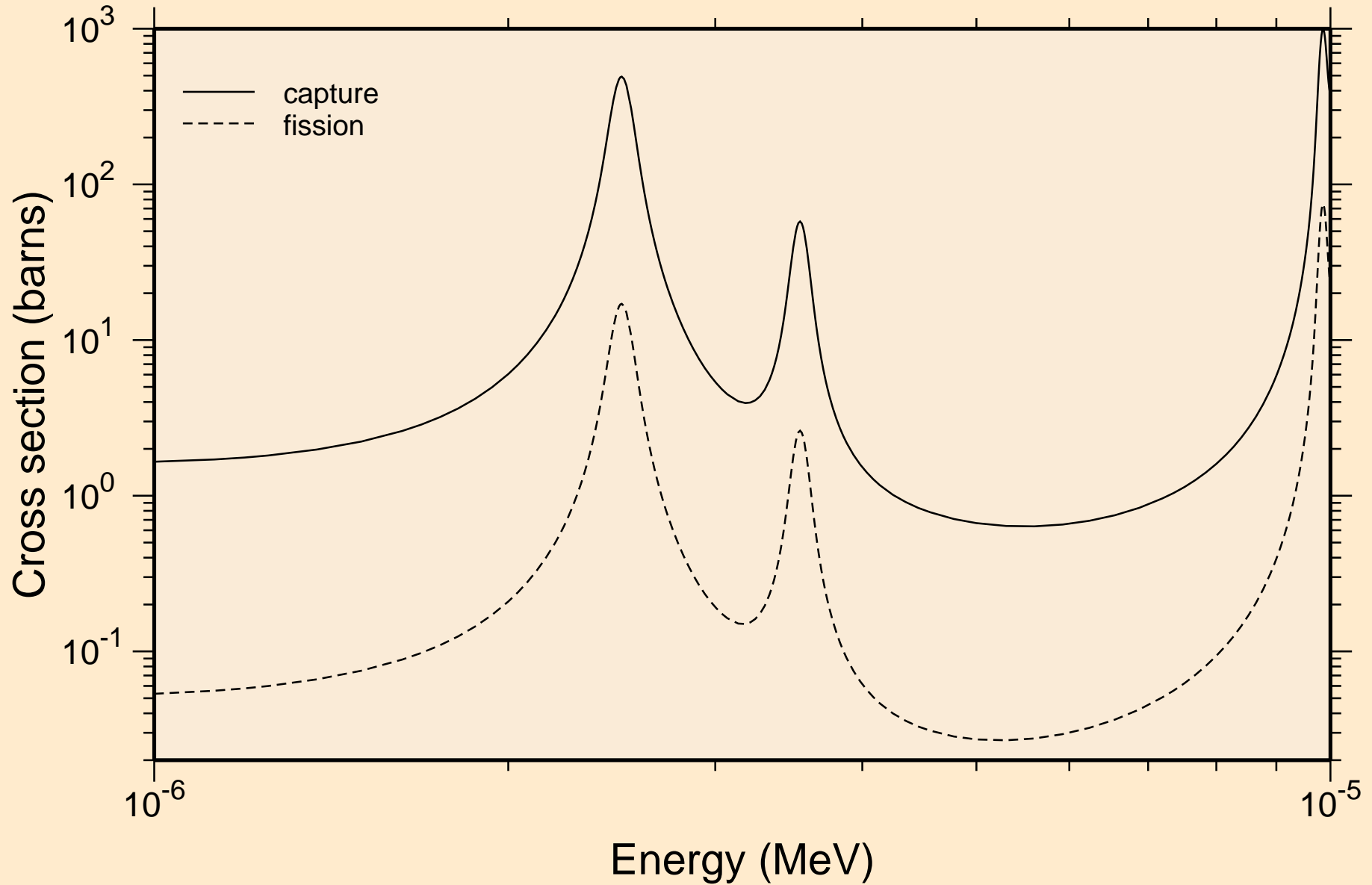
CM238 NRG TENDL-2015, AKONING  
resonance total cross section



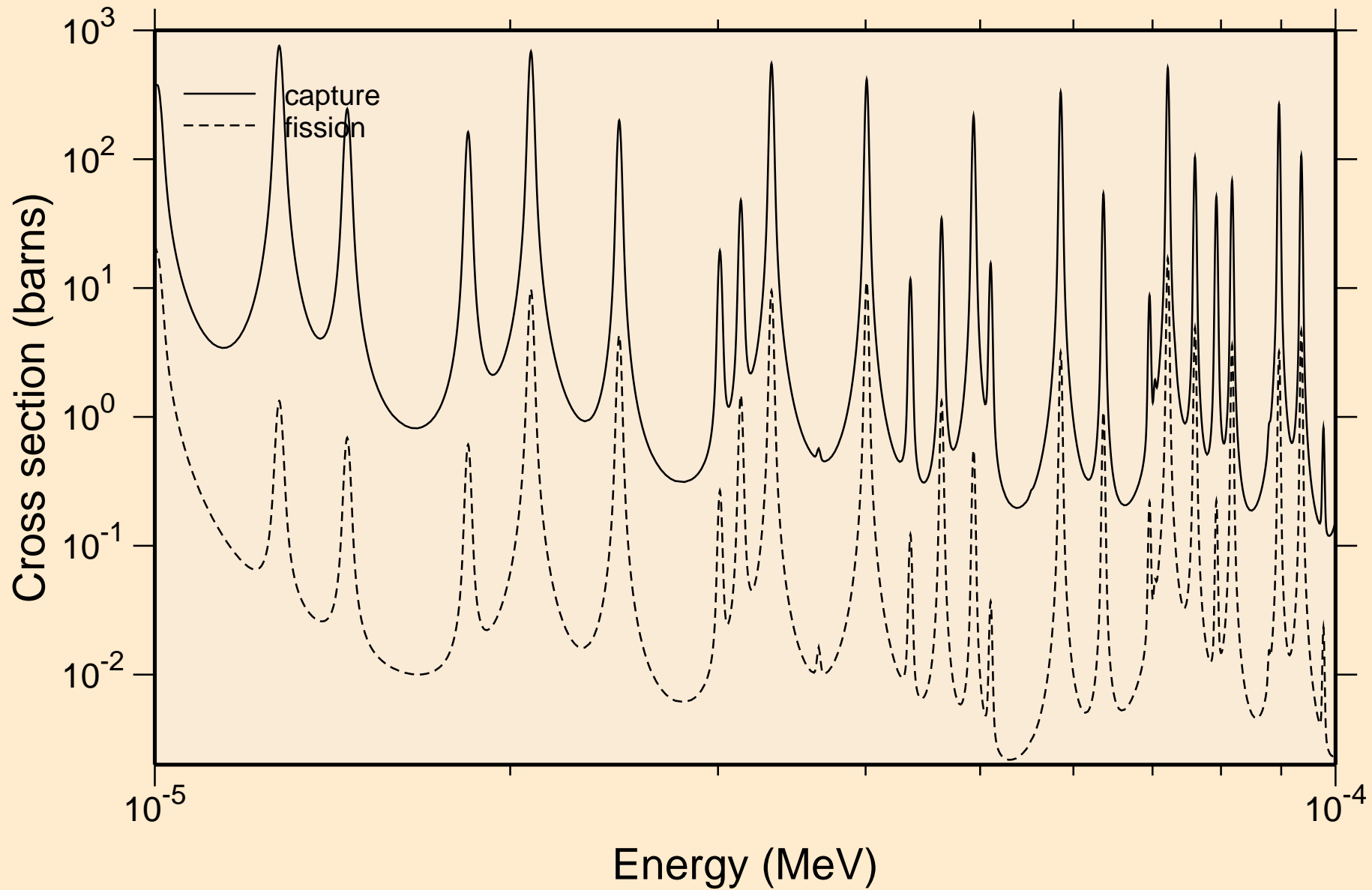
CM238 NRG TENDL-2015, AKONING  
resonance total cross section



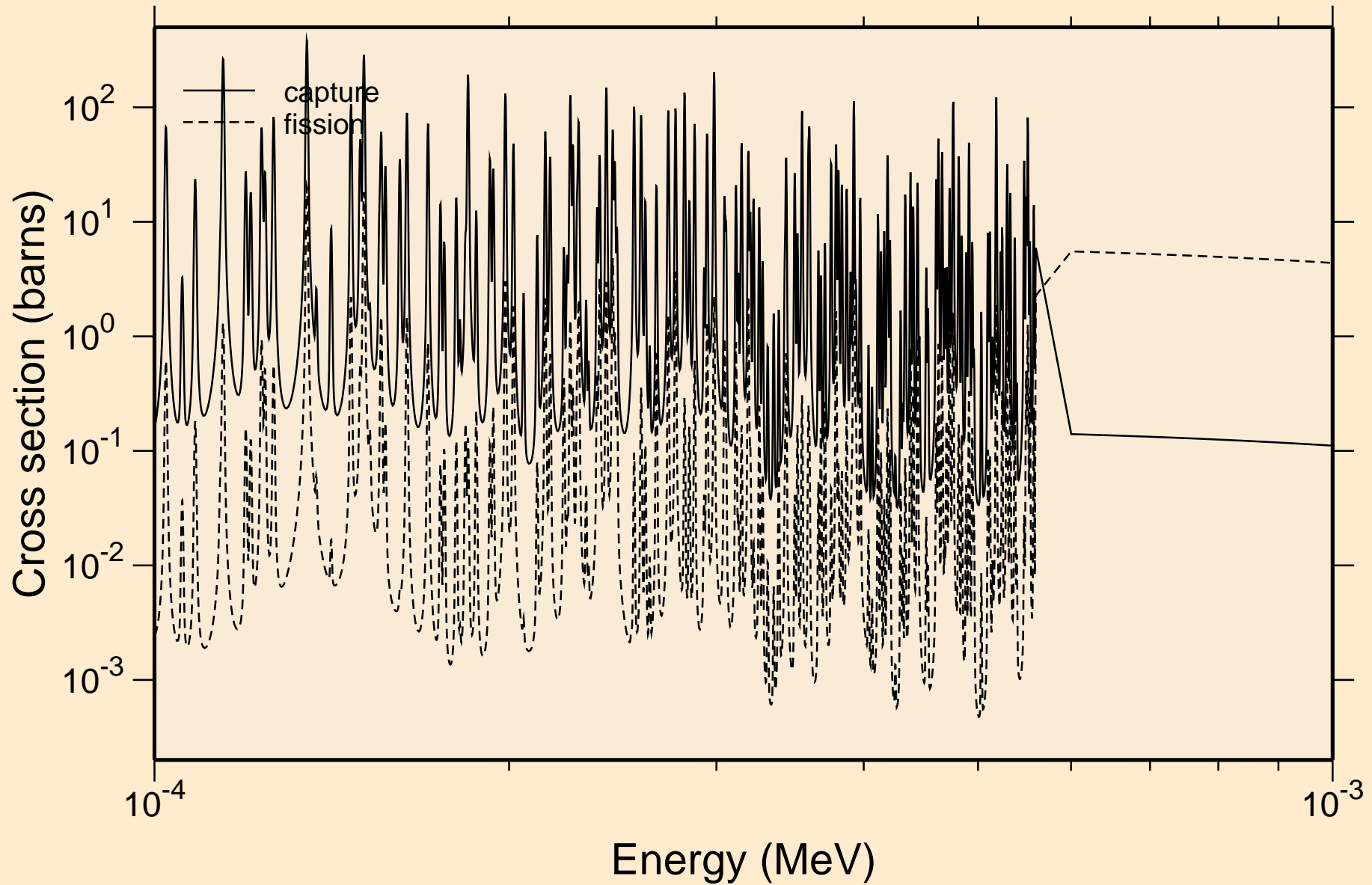
# CM238 NRG TENDL-2015, AKONING resonance absorption cross sections



# CM238 NRG TENDL-2015, AKONING resonance absorption cross sections

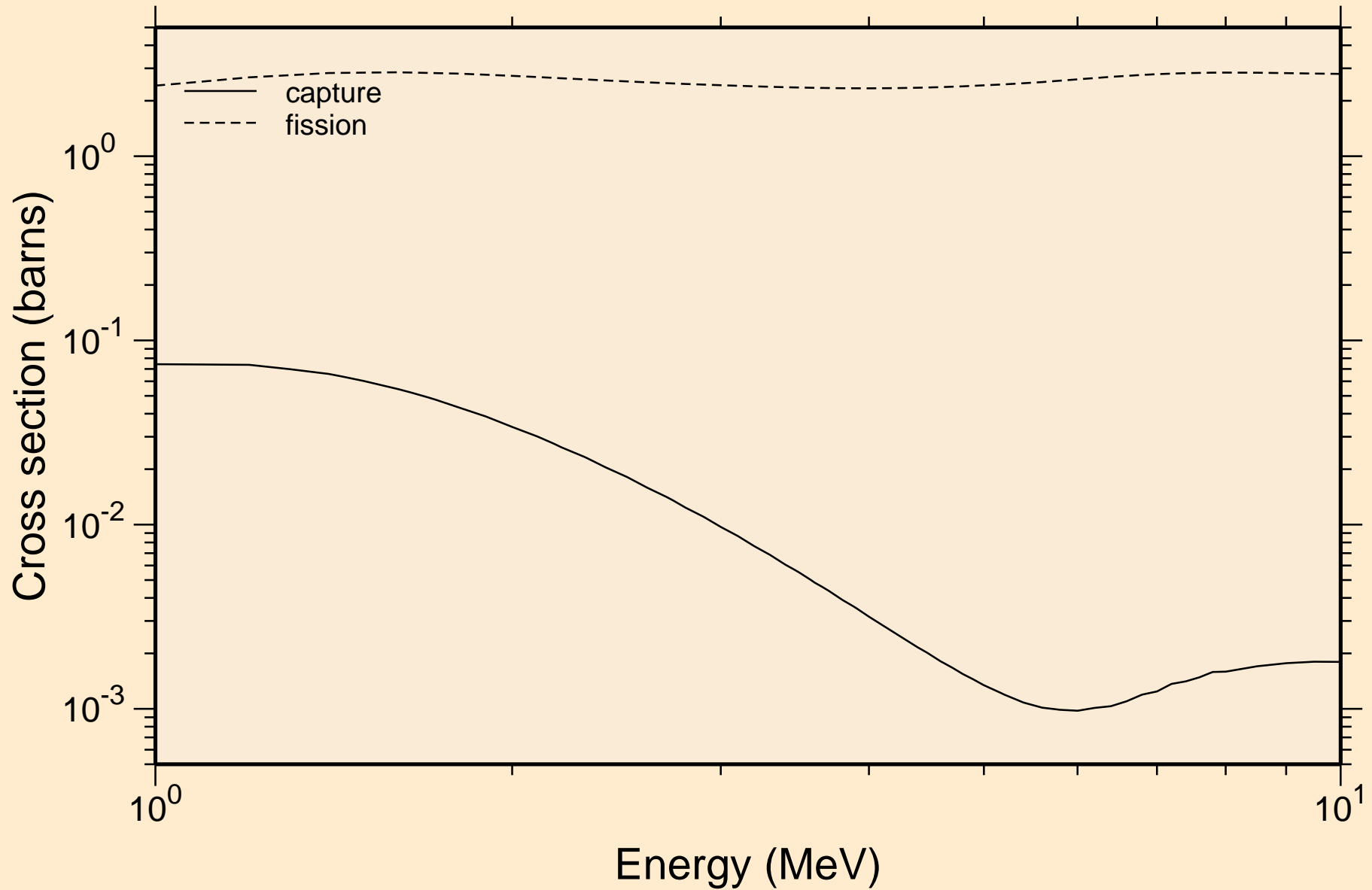


CM238 NRG TENDL-2015, AKONING  
resonance absorption cross sections



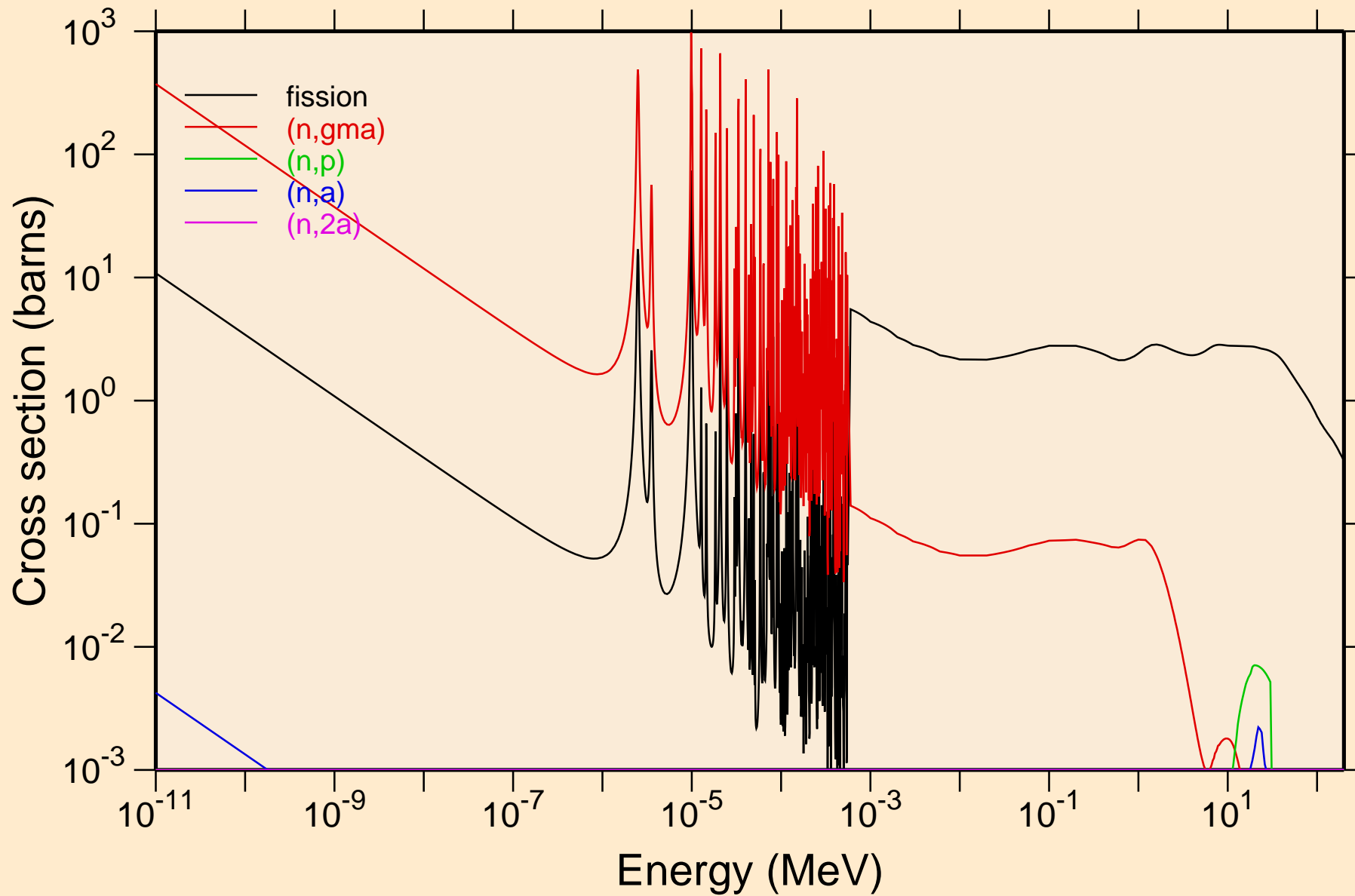


CM238 NRG TENDL-2015, AKONING  
resonance absorption cross sections



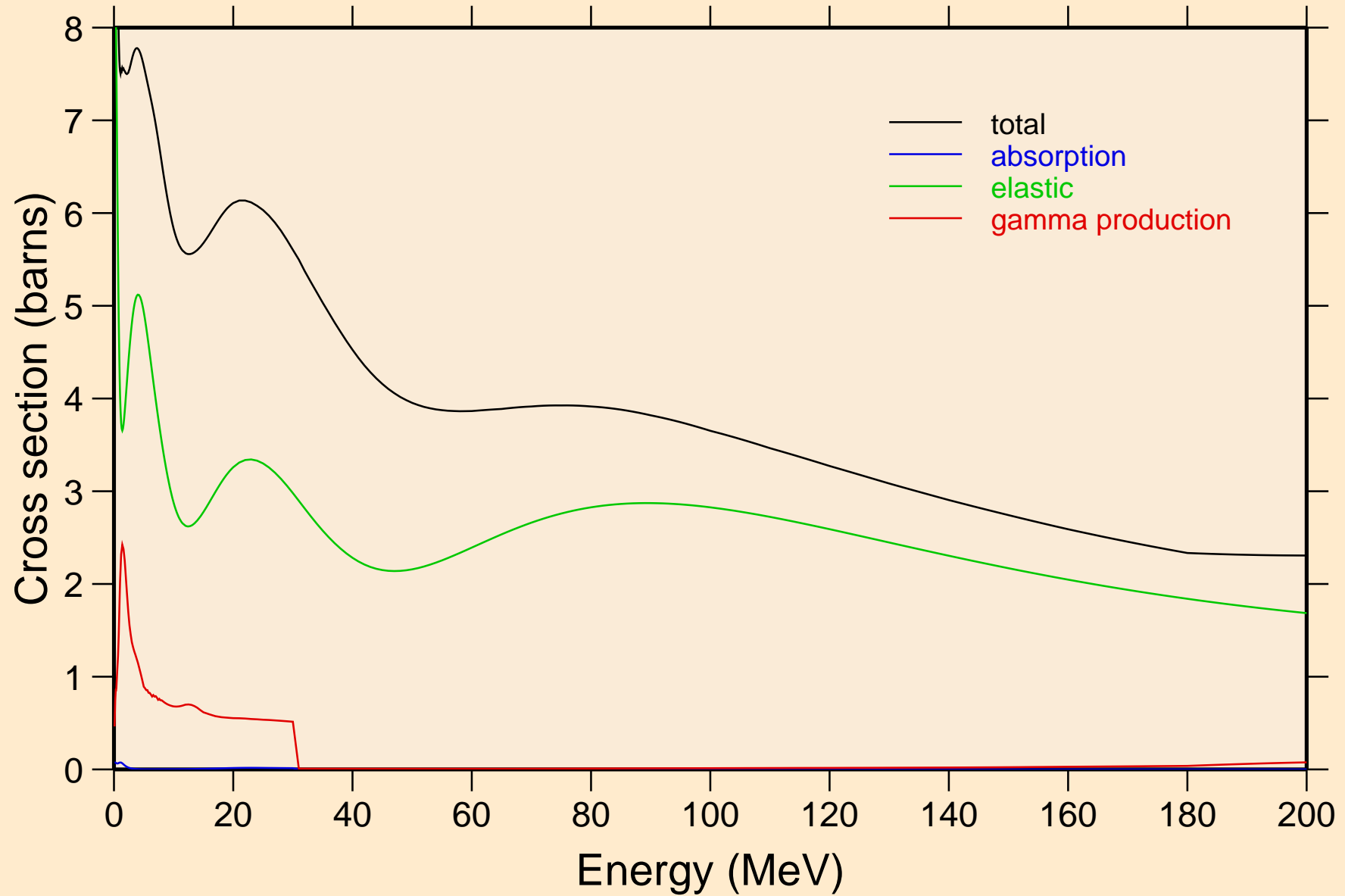
# CM238 NRG TENDL-2015, AKONING

## Non-threshold reactions



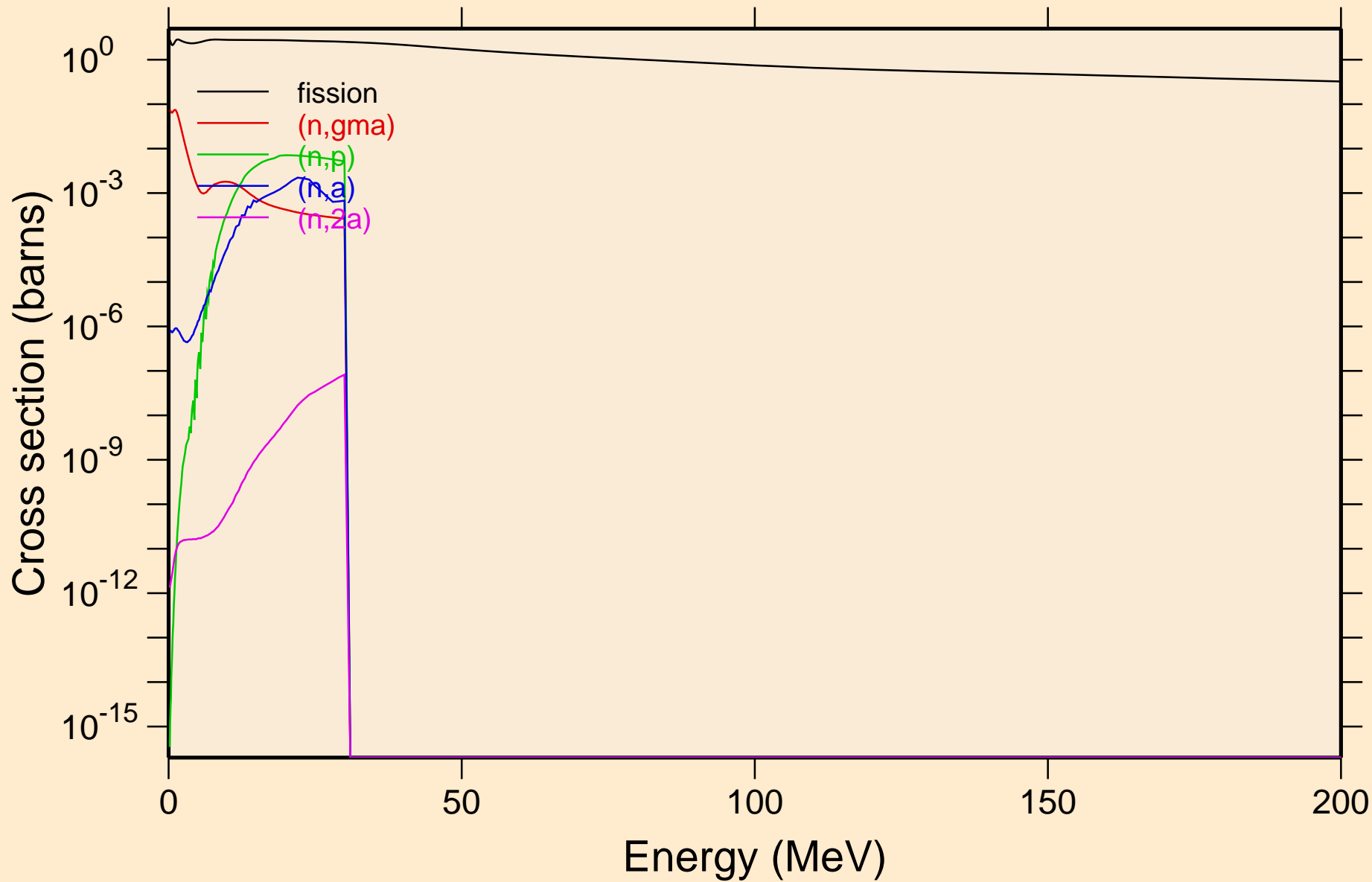
# CM238 NRG TENDL-2015, AKONING

## Principal cross sections



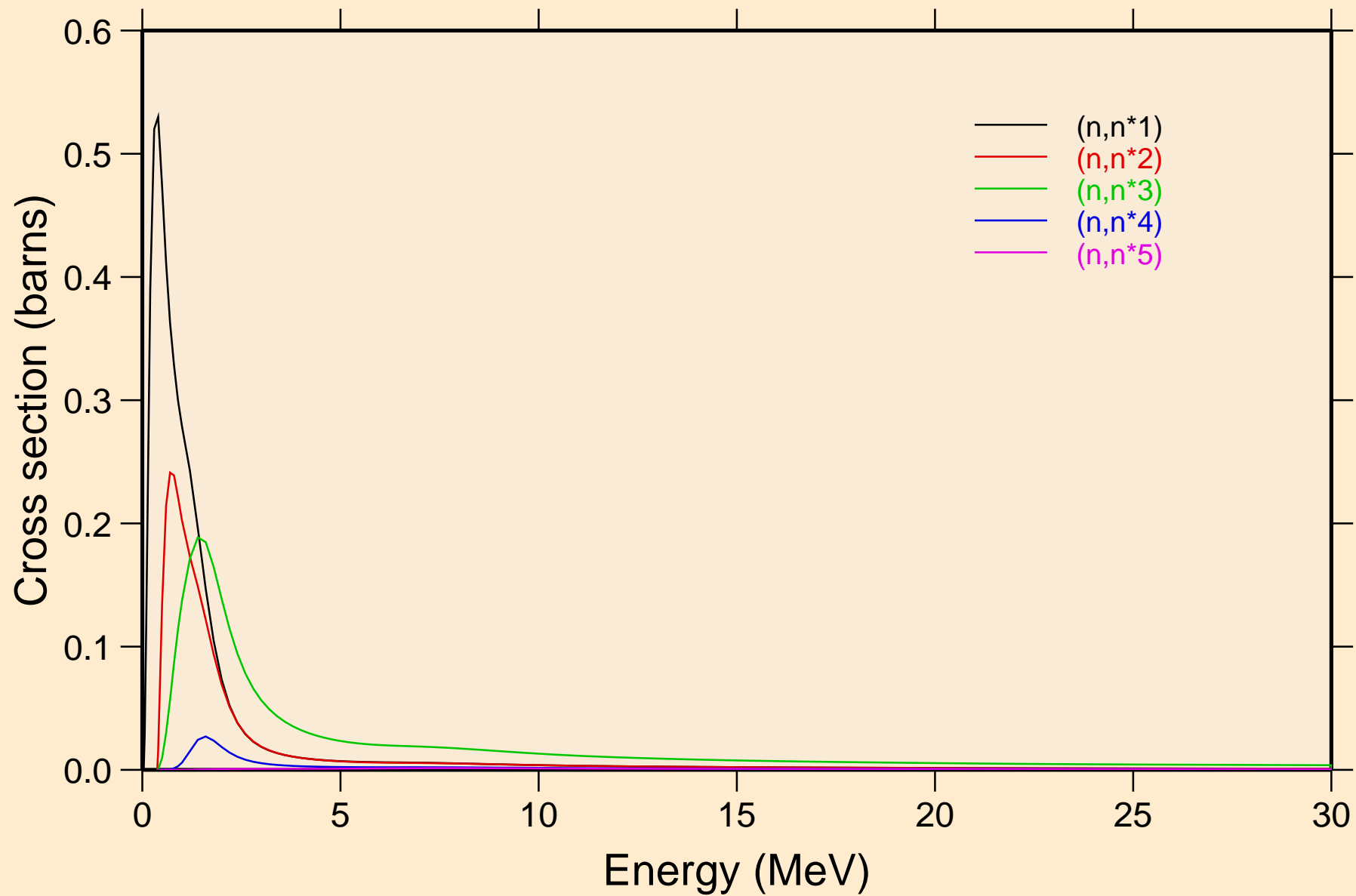
# CM238 NRG TENDL-2015, AKONING

## Non-threshold reactions



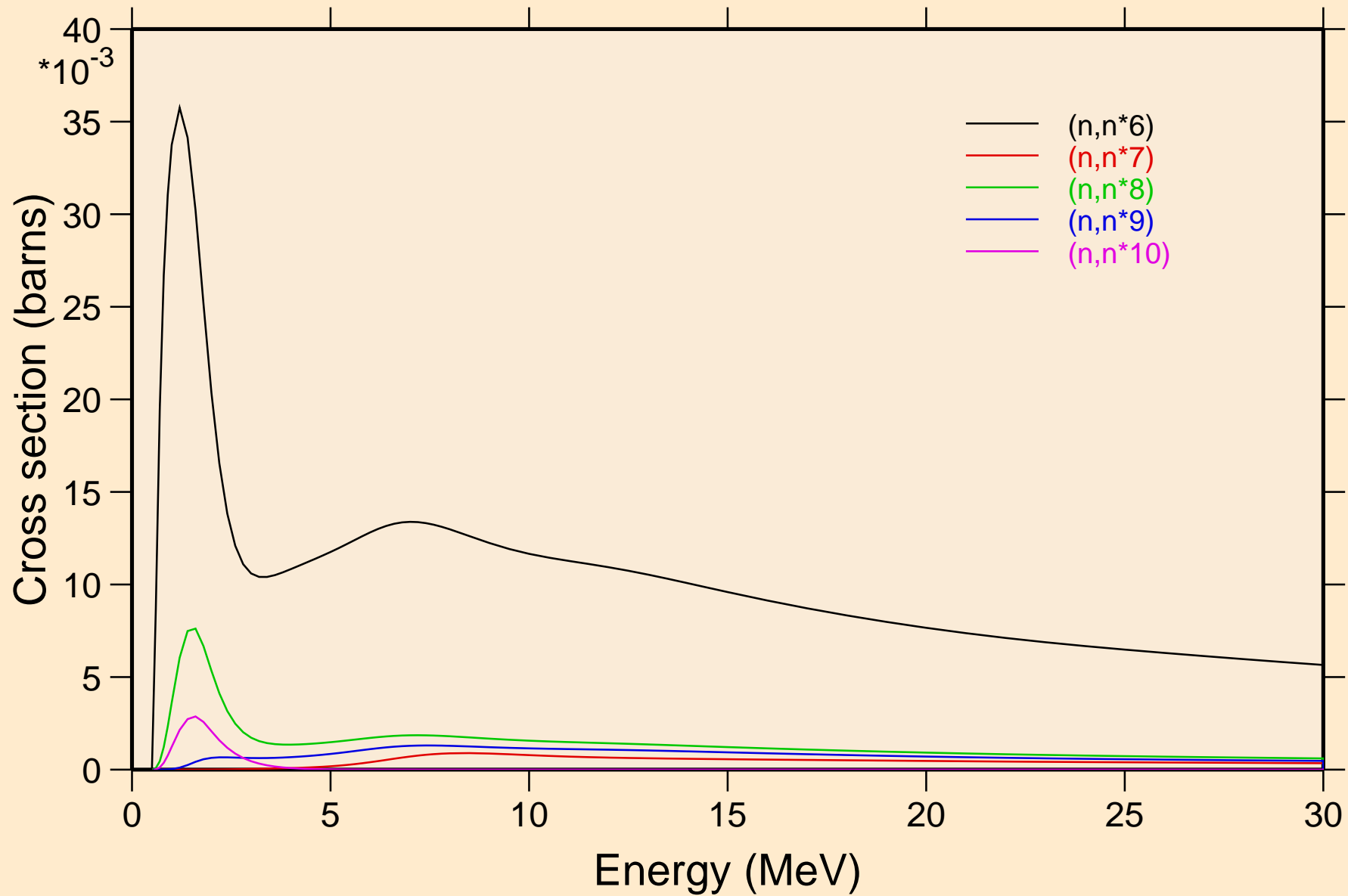
# CM238 NRG TENDL-2015, AKONING

## Inelastic levels



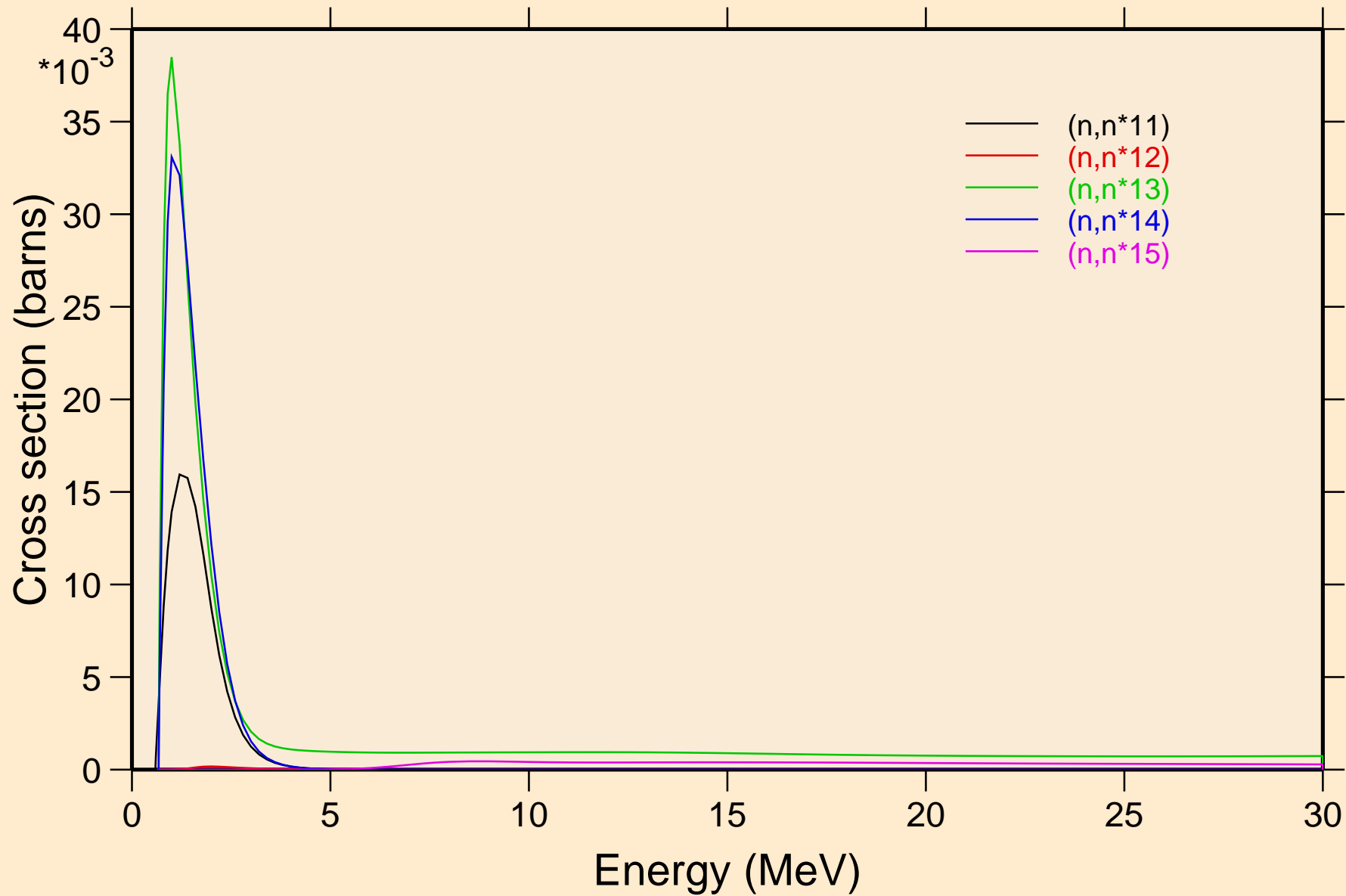
# CM238 NRG TENDL-2015, AKONING

## Inelastic levels



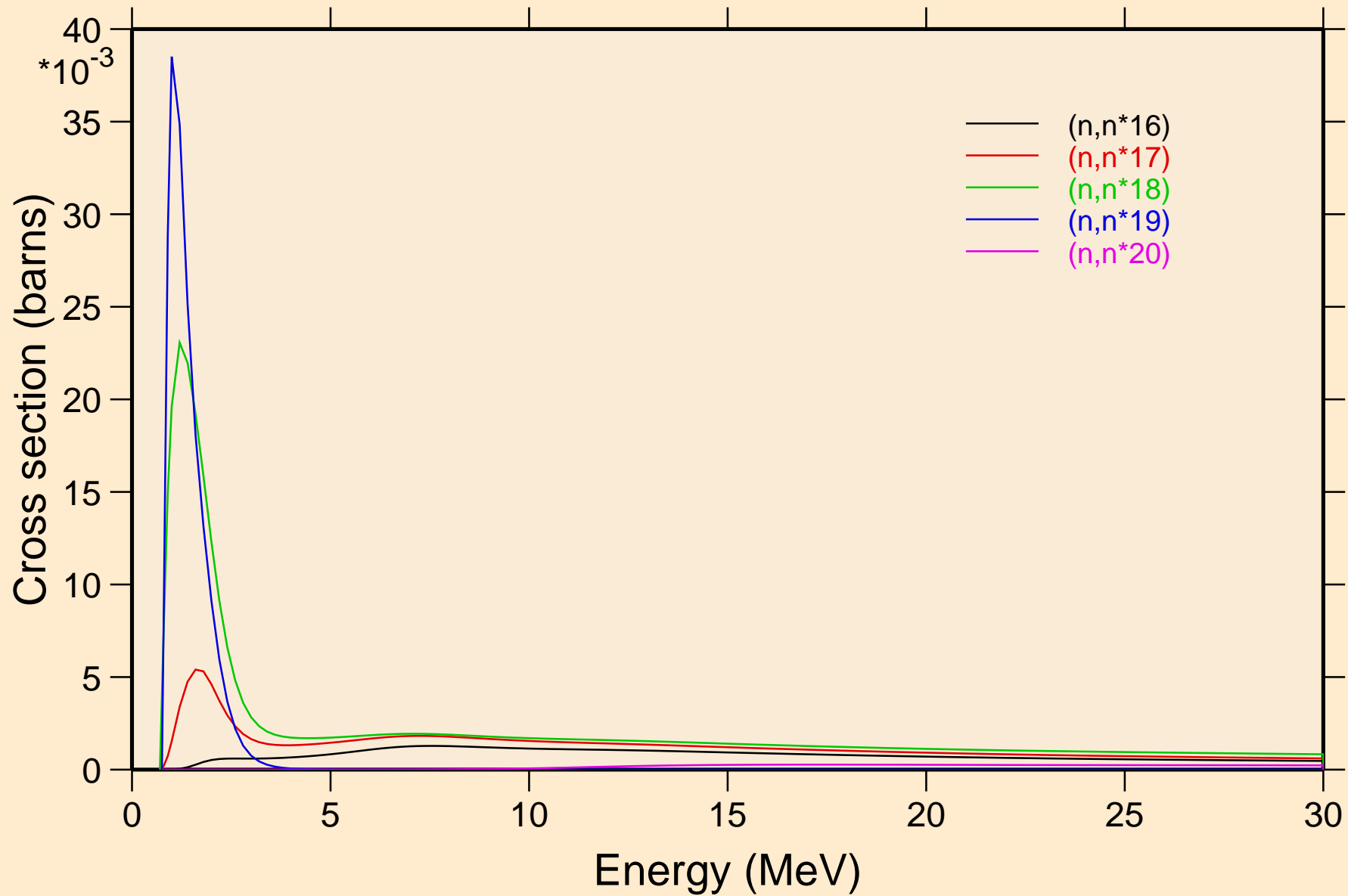
# CM238 NRG TENDL-2015, AKONING

## Inelastic levels



# CM238 NRG TENDL-2015, AKONING

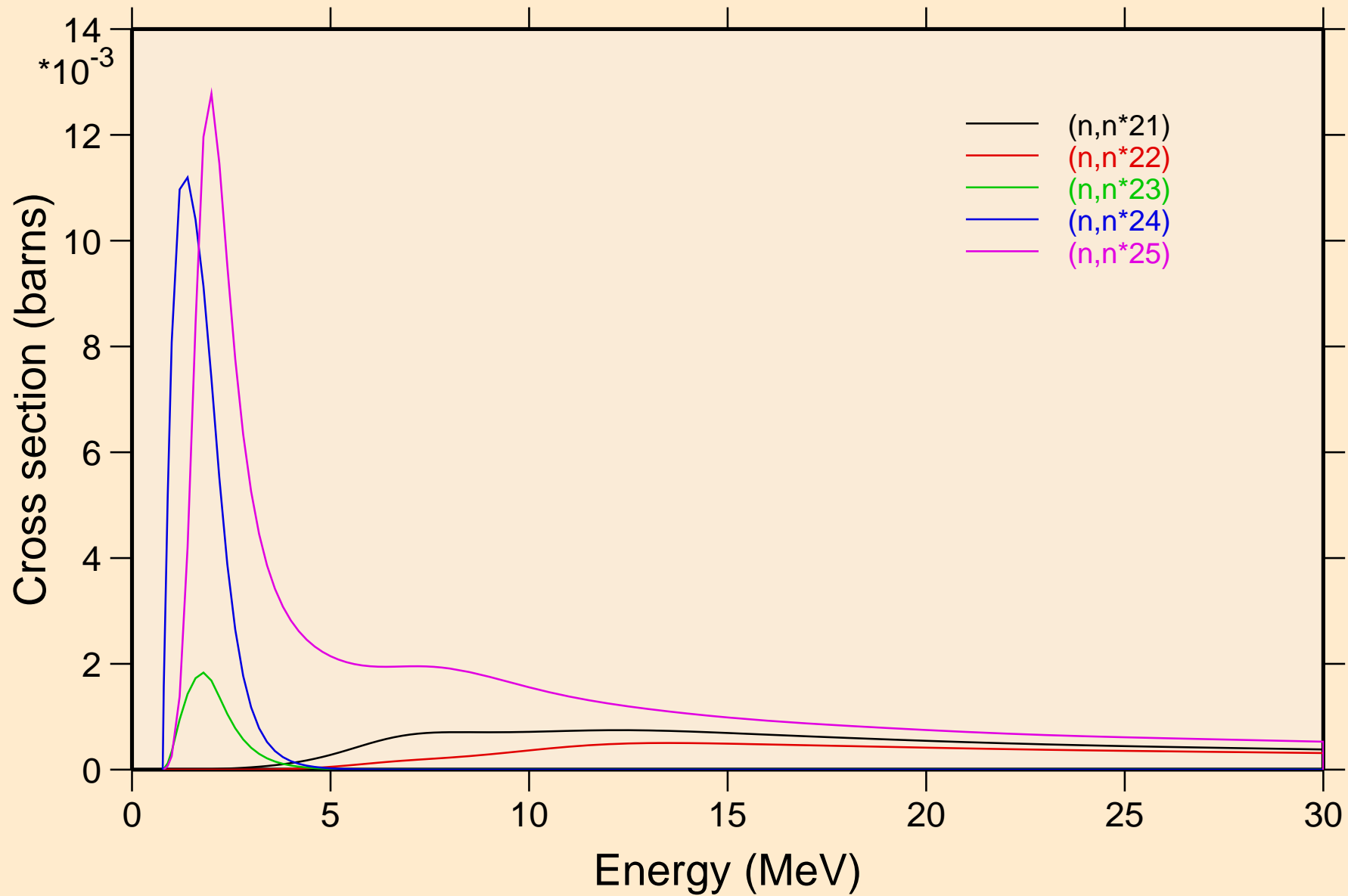
## Inelastic levels





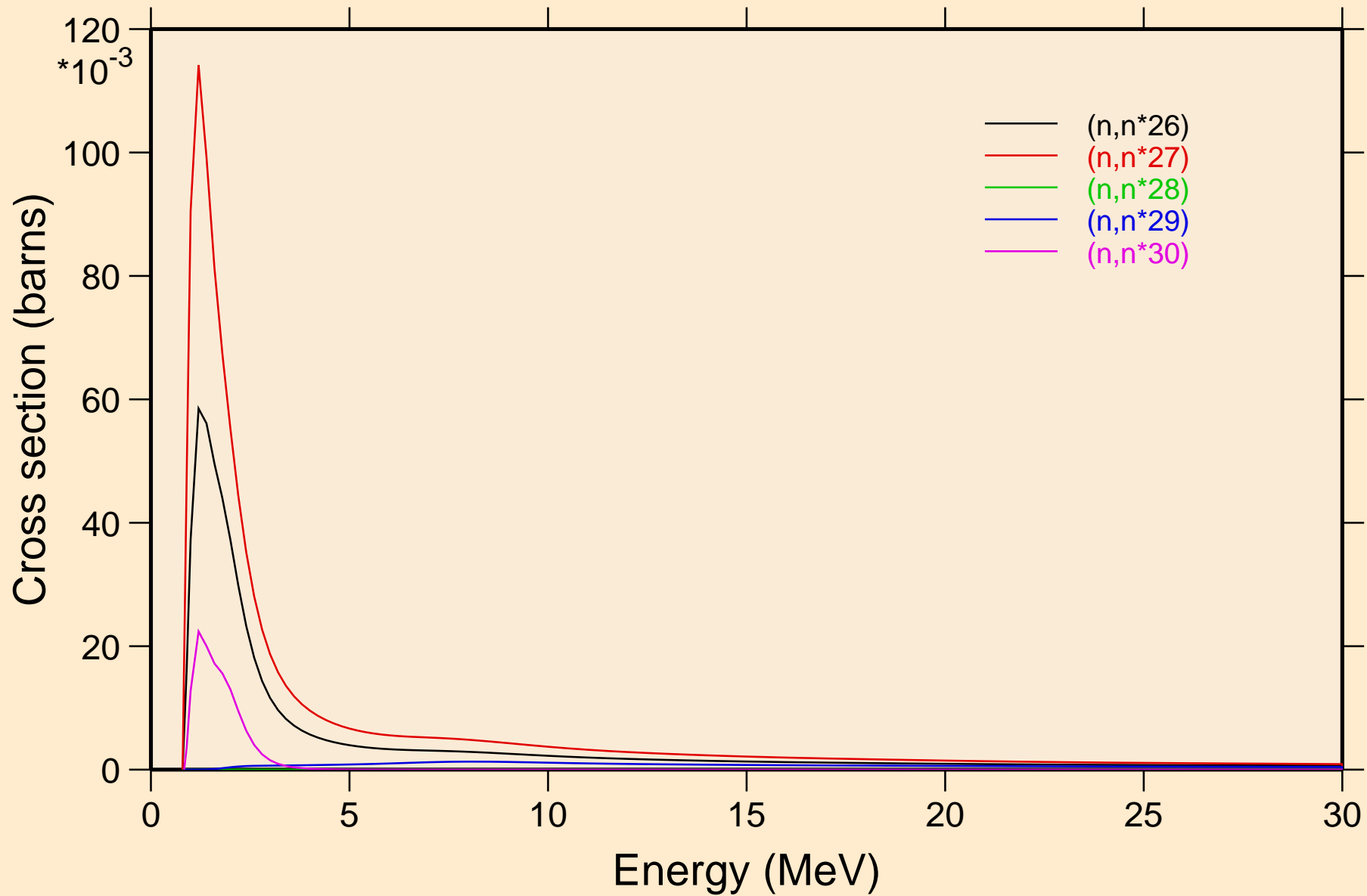
# CM238 NRG TENDL-2015, AKONING

## Inelastic levels



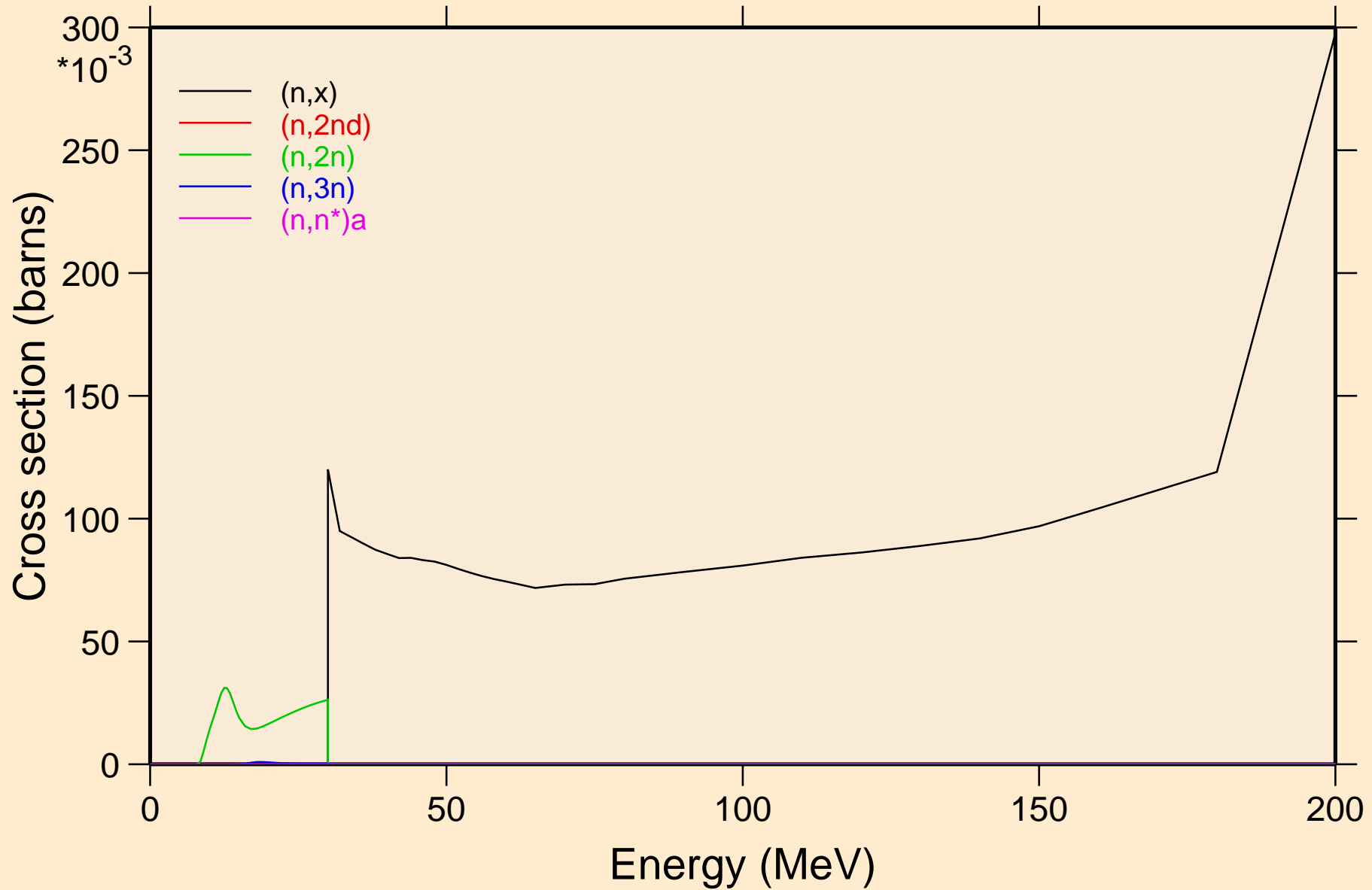
# CM238 NRG TENDL-2015, AKONING

## Inelastic levels



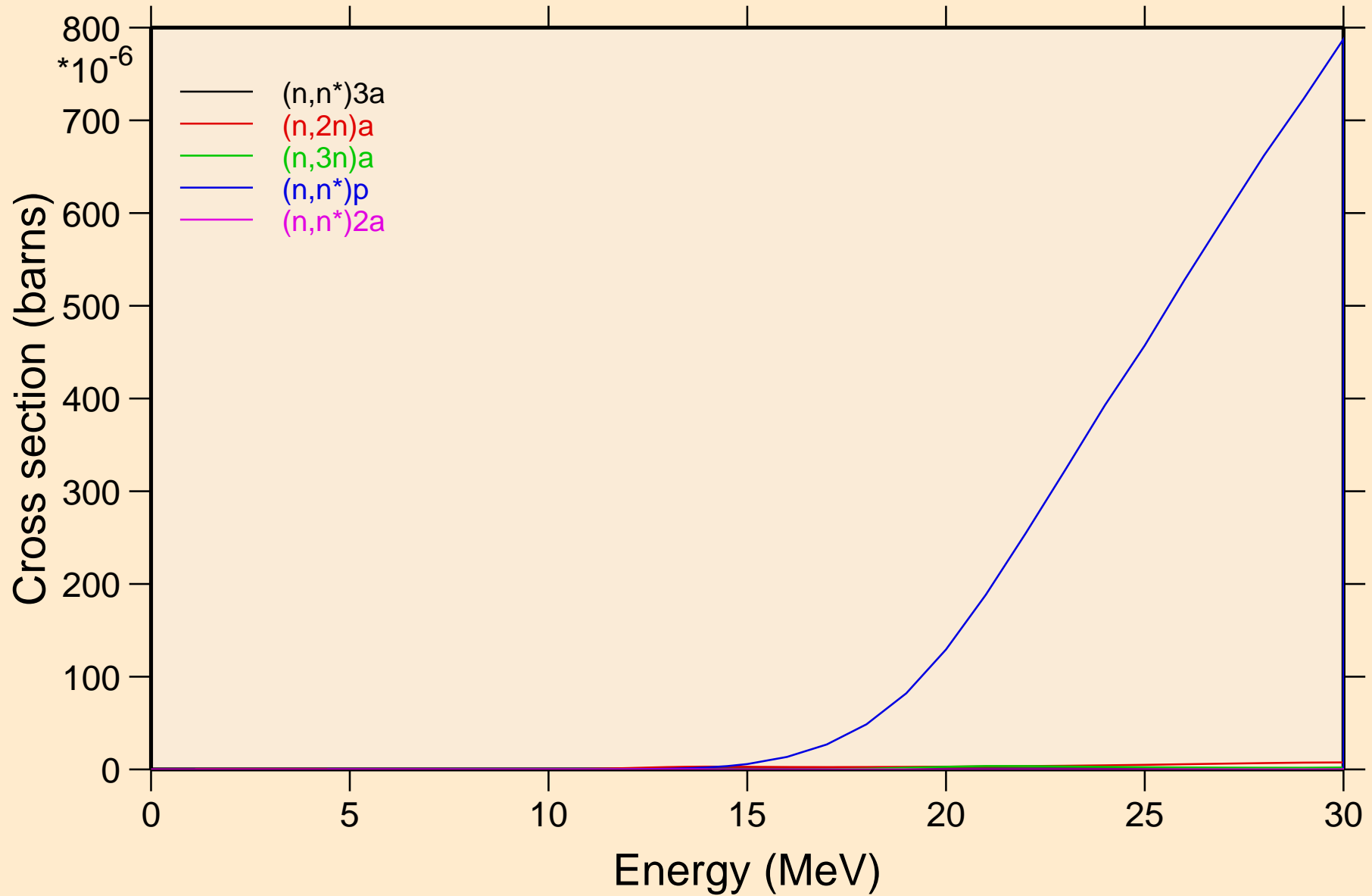
# CM238 NRG TENDL-2015, AKONING

## Threshold reactions



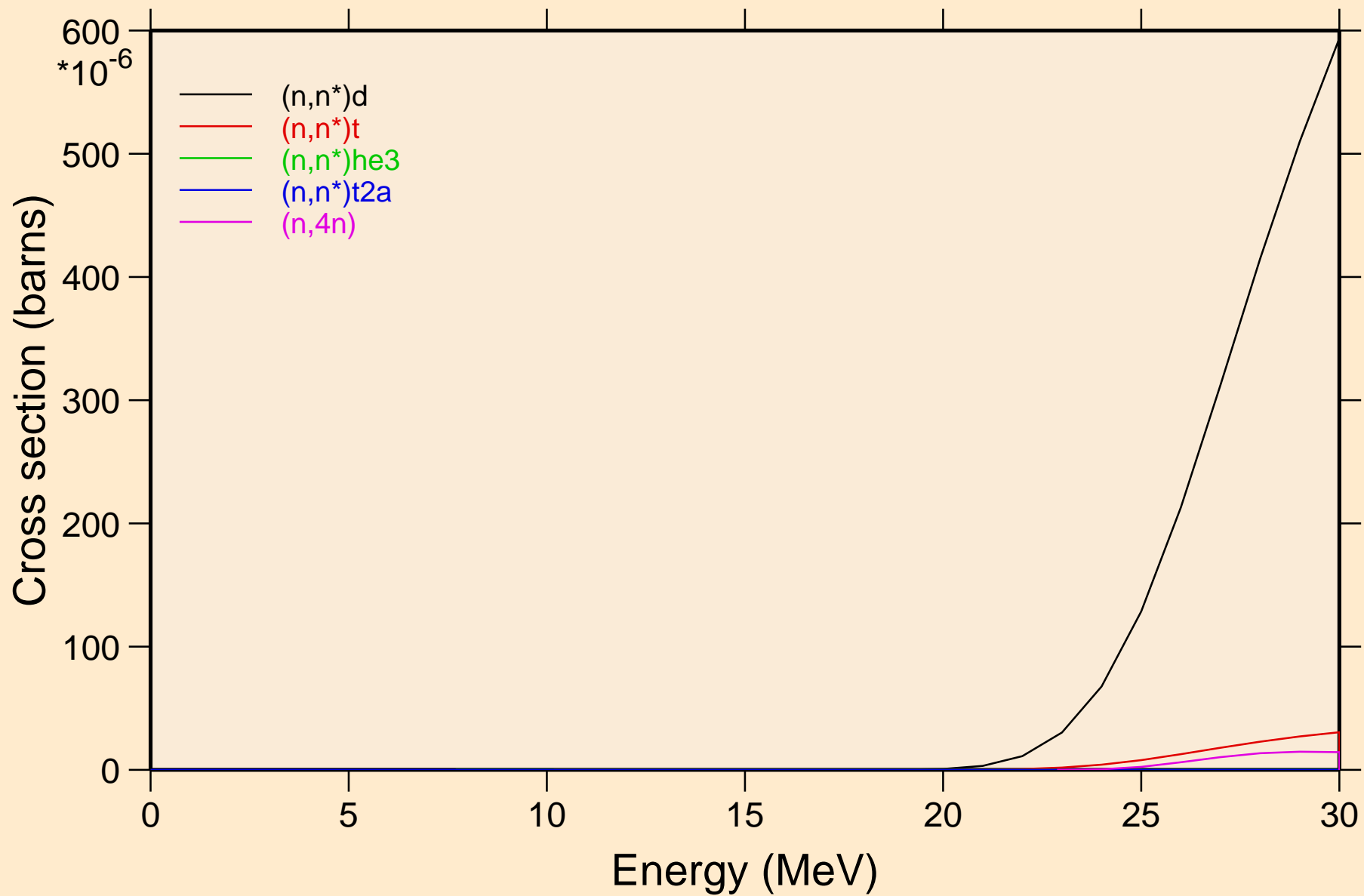
# CM238 NRG TENDL-2015, AKONING

## Threshold reactions



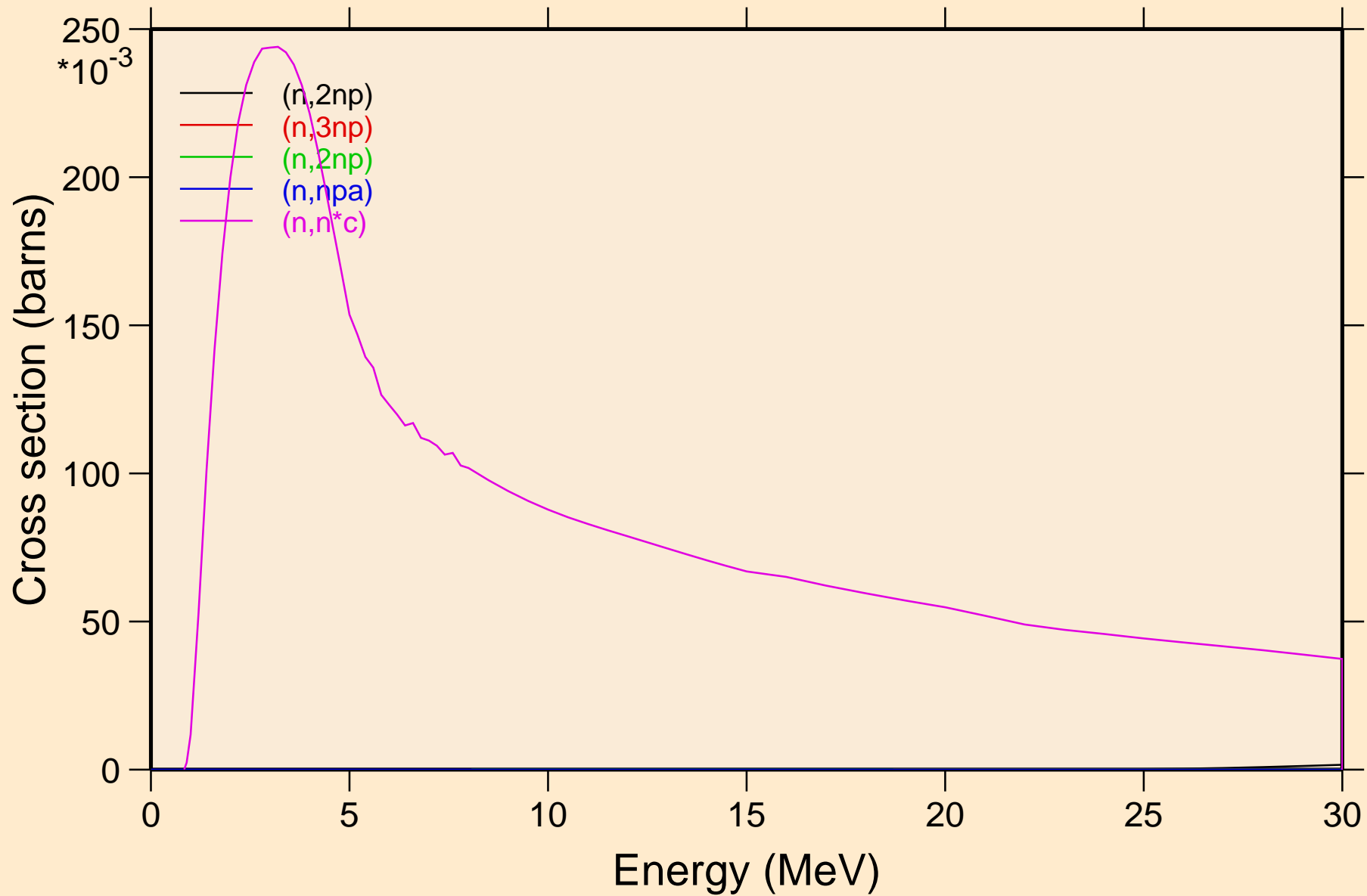
# CM238 NRG TENDL-2015, AKONING

## Threshold reactions



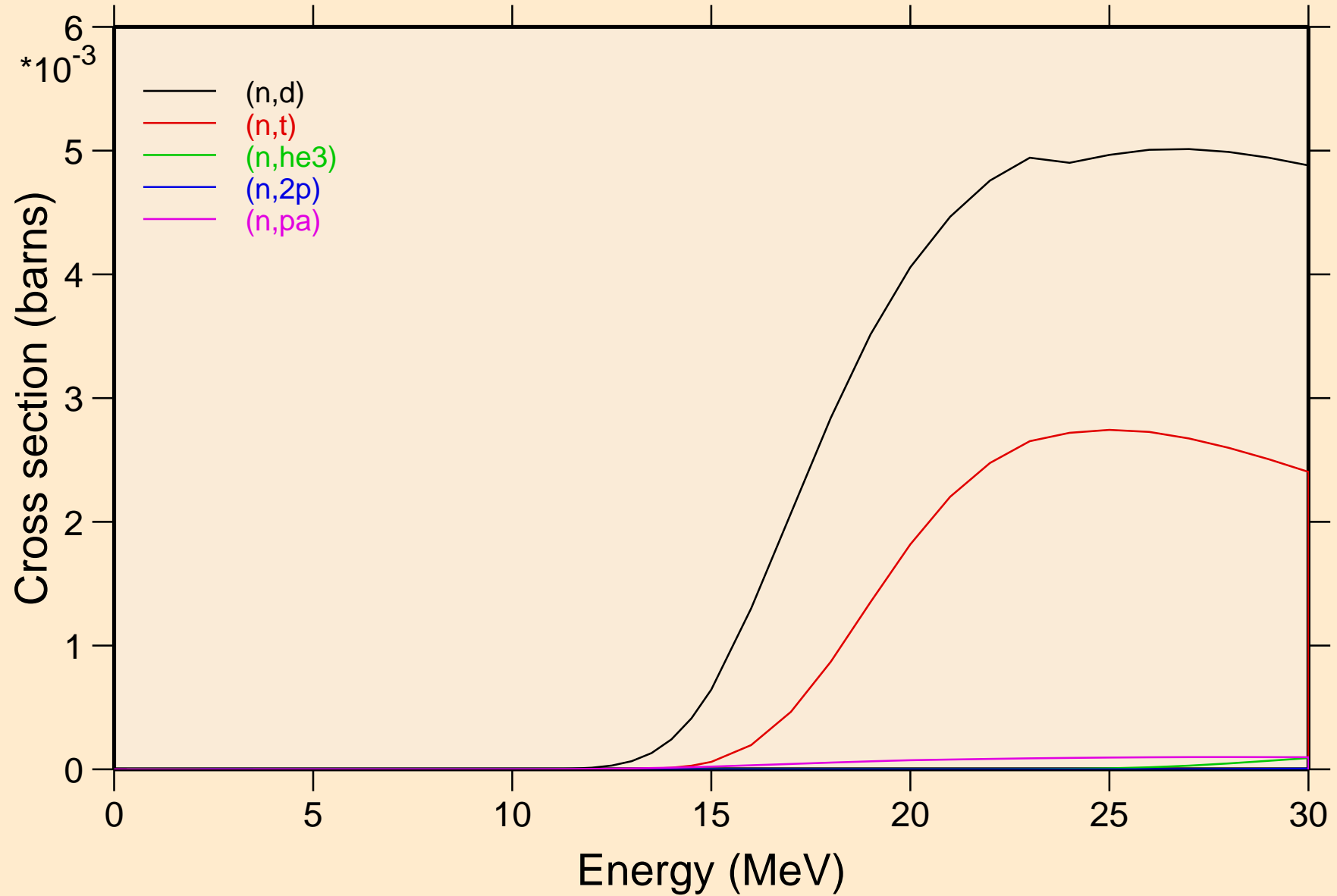
# CM238 NRG TENDL-2015, AKONING

## Threshold reactions



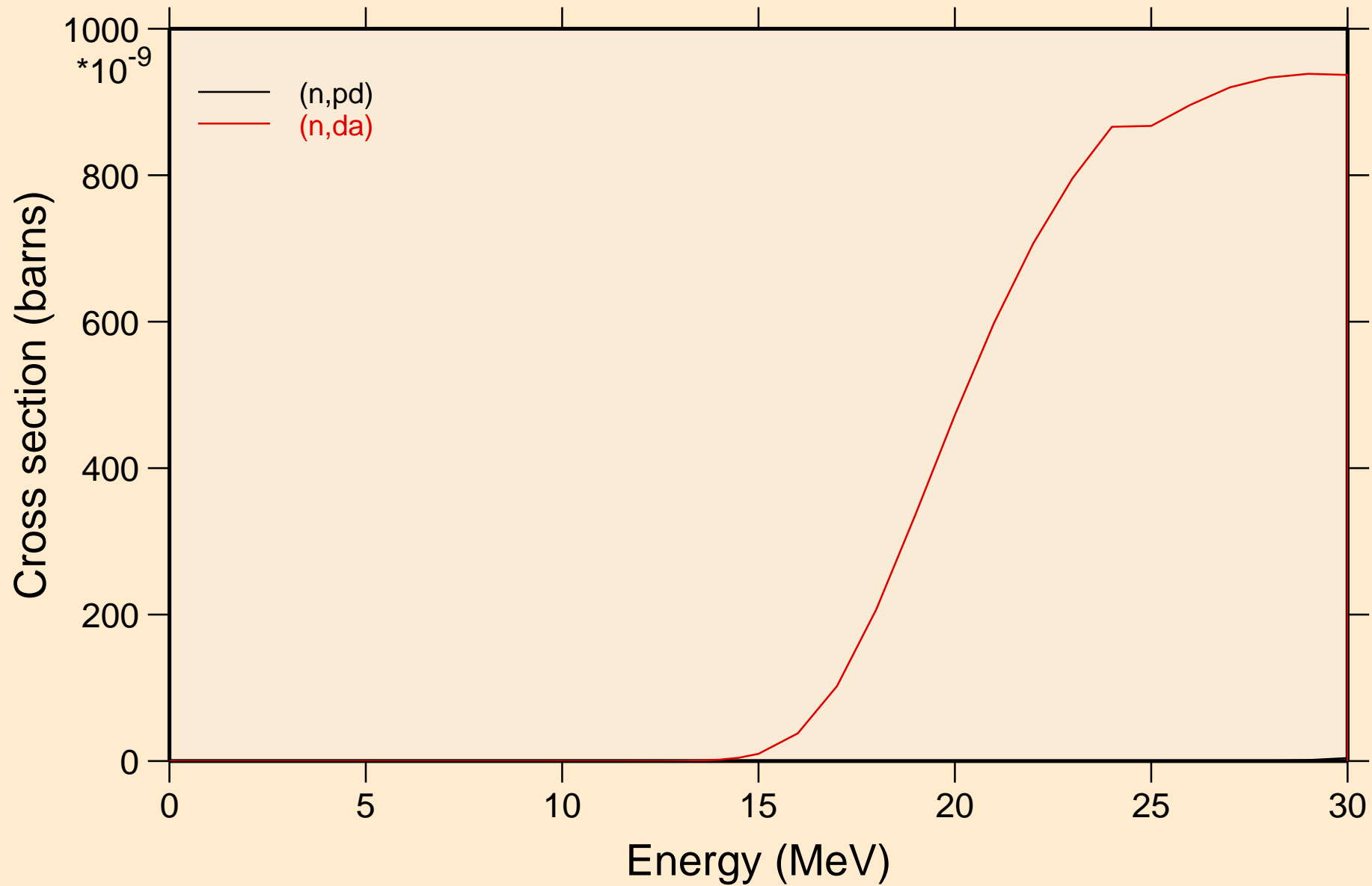
# CM238 NRG TENDL-2015, AKONING

## Threshold reactions



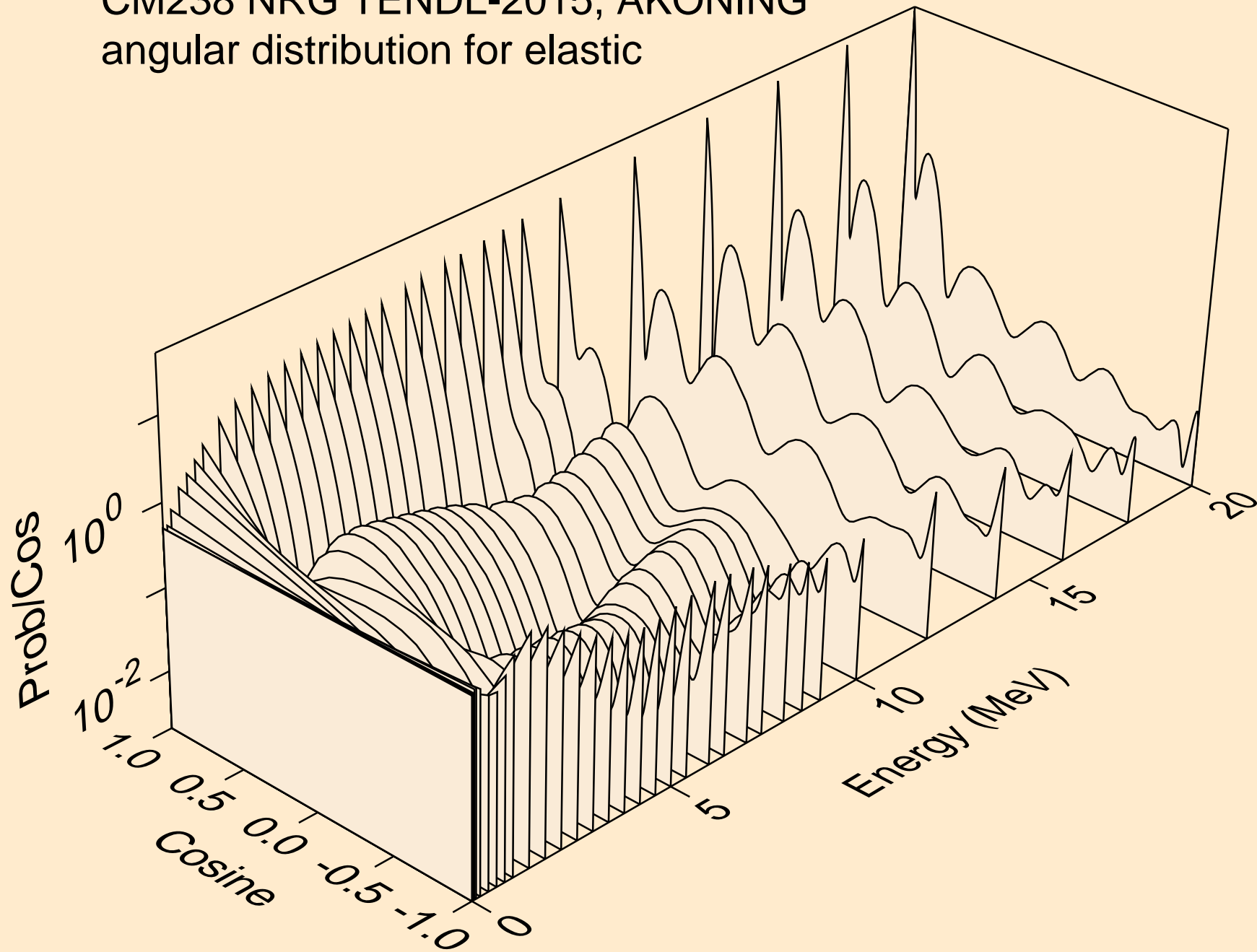
# CM238 NRG TENDL-2015, AKONING

## Threshold reactions

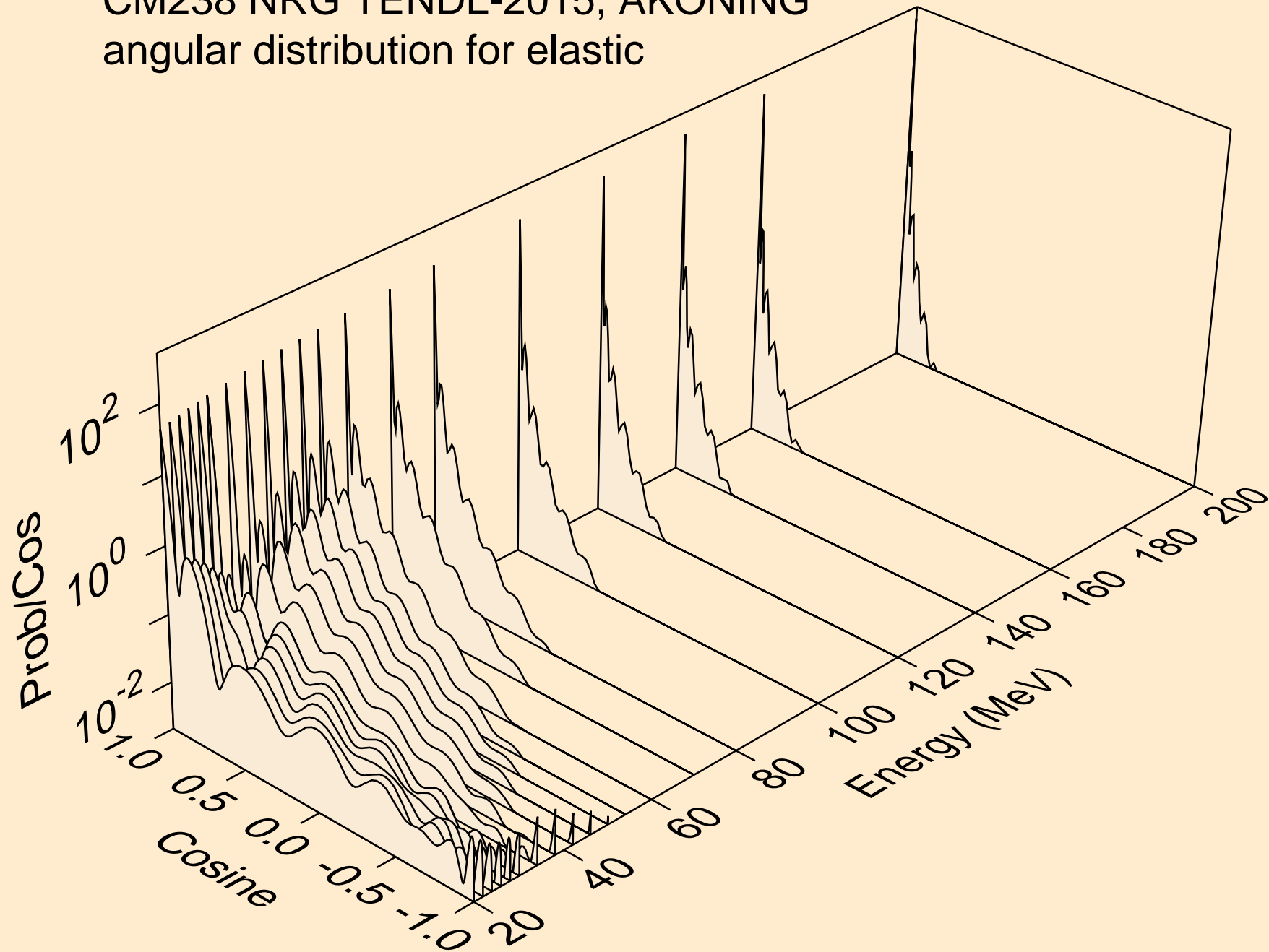




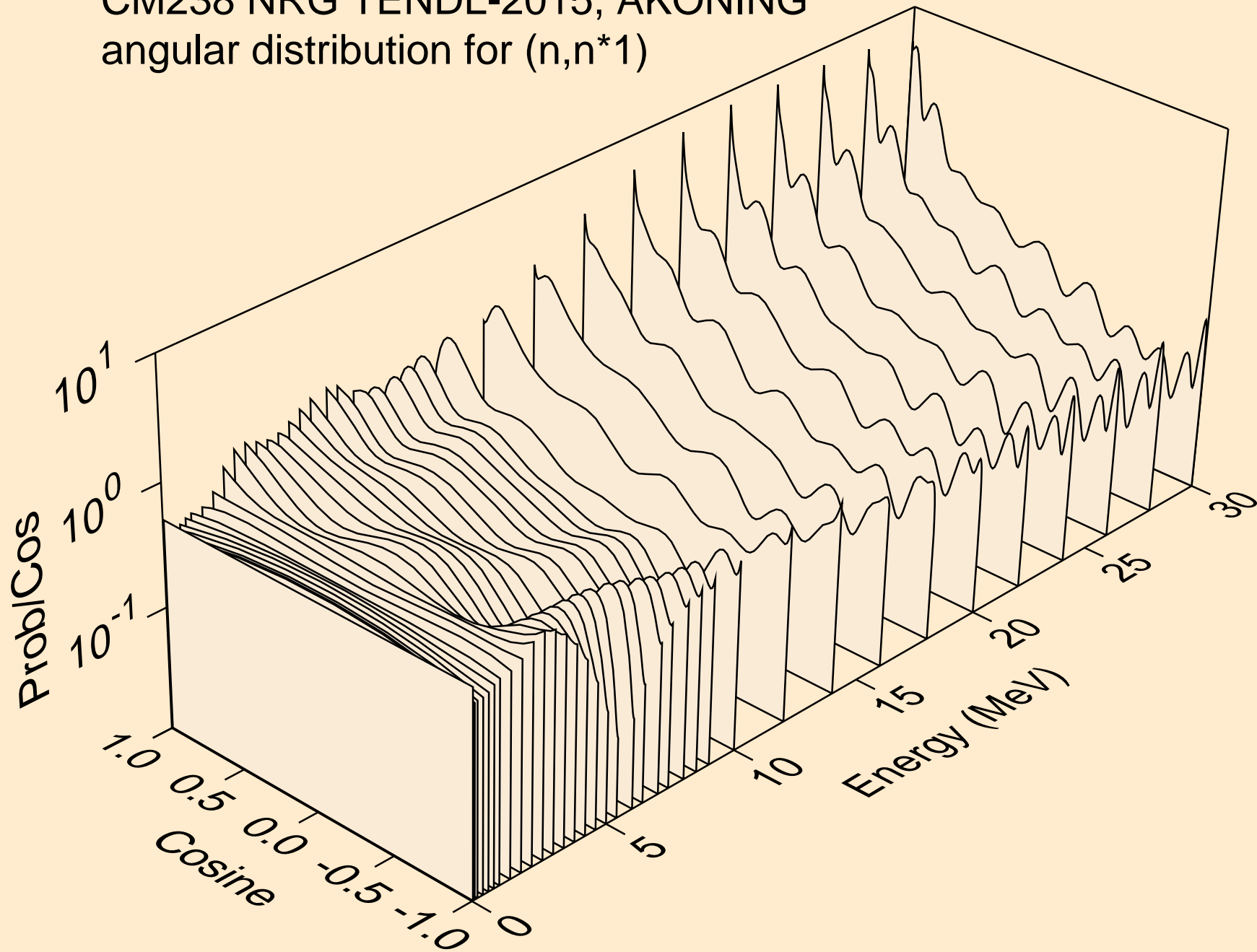
CM238 NRG TENDL-2015, AKONING  
angular distribution for elastic



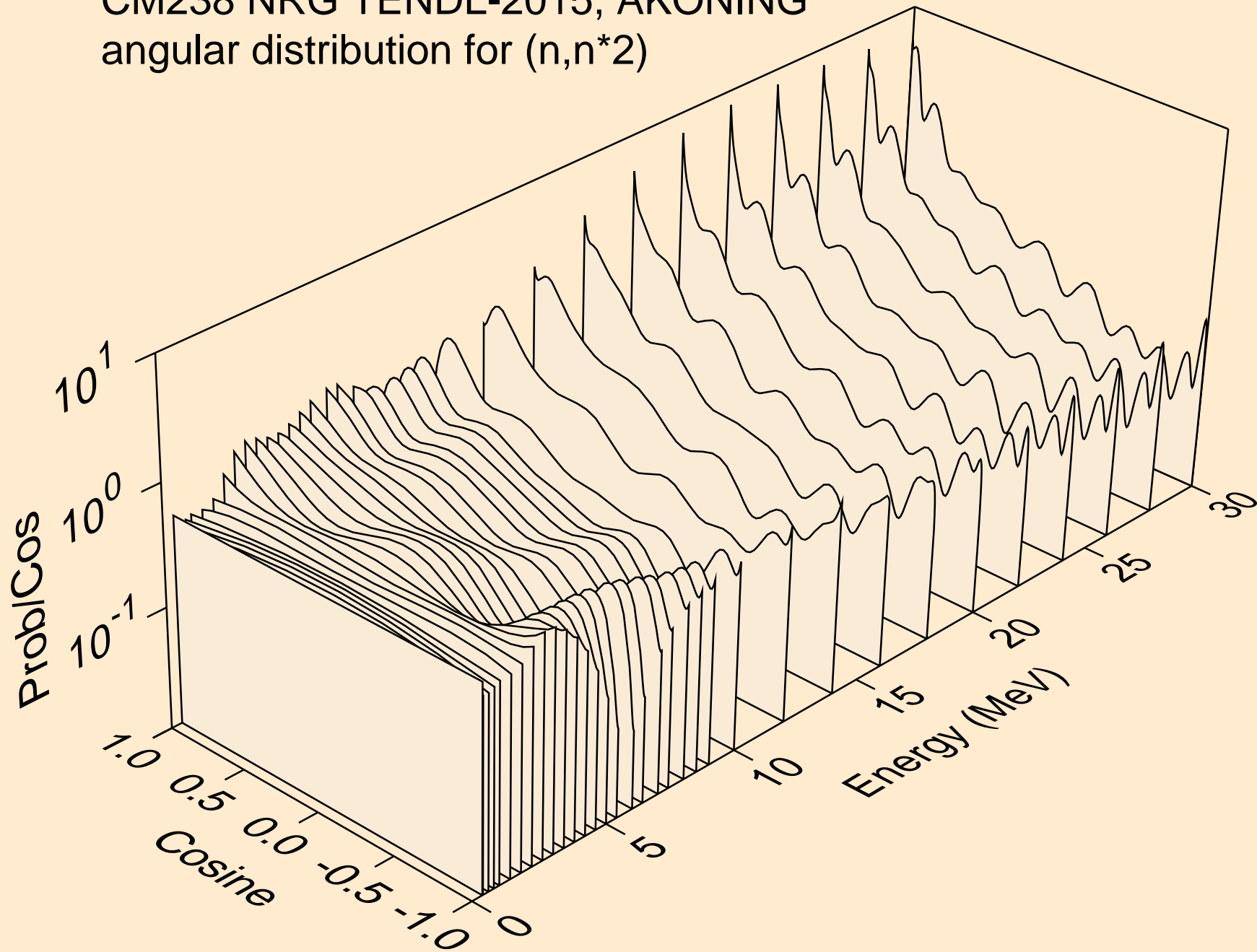
CM238 NRG TENDL-2015, AKONING  
angular distribution for elastic



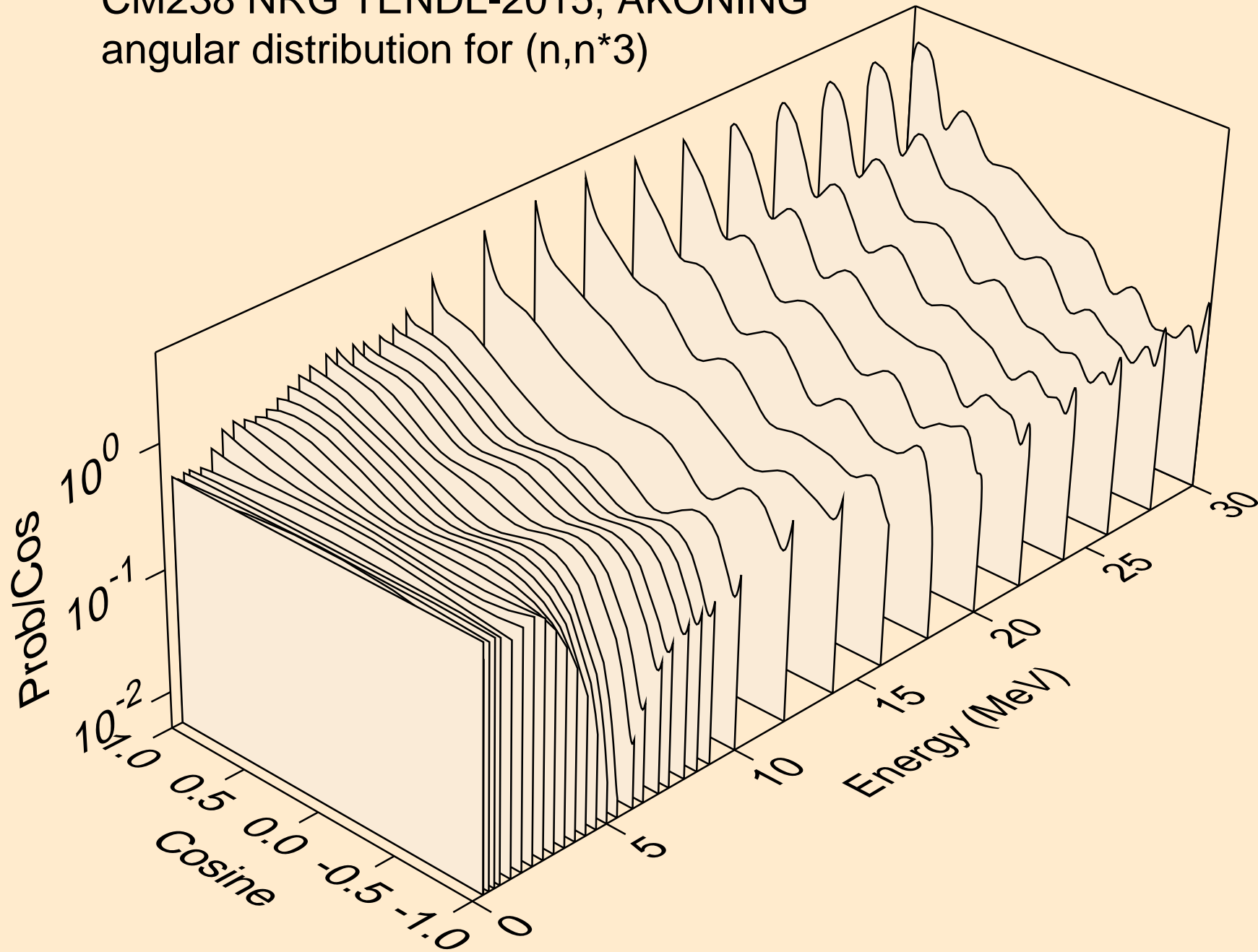
CM238 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



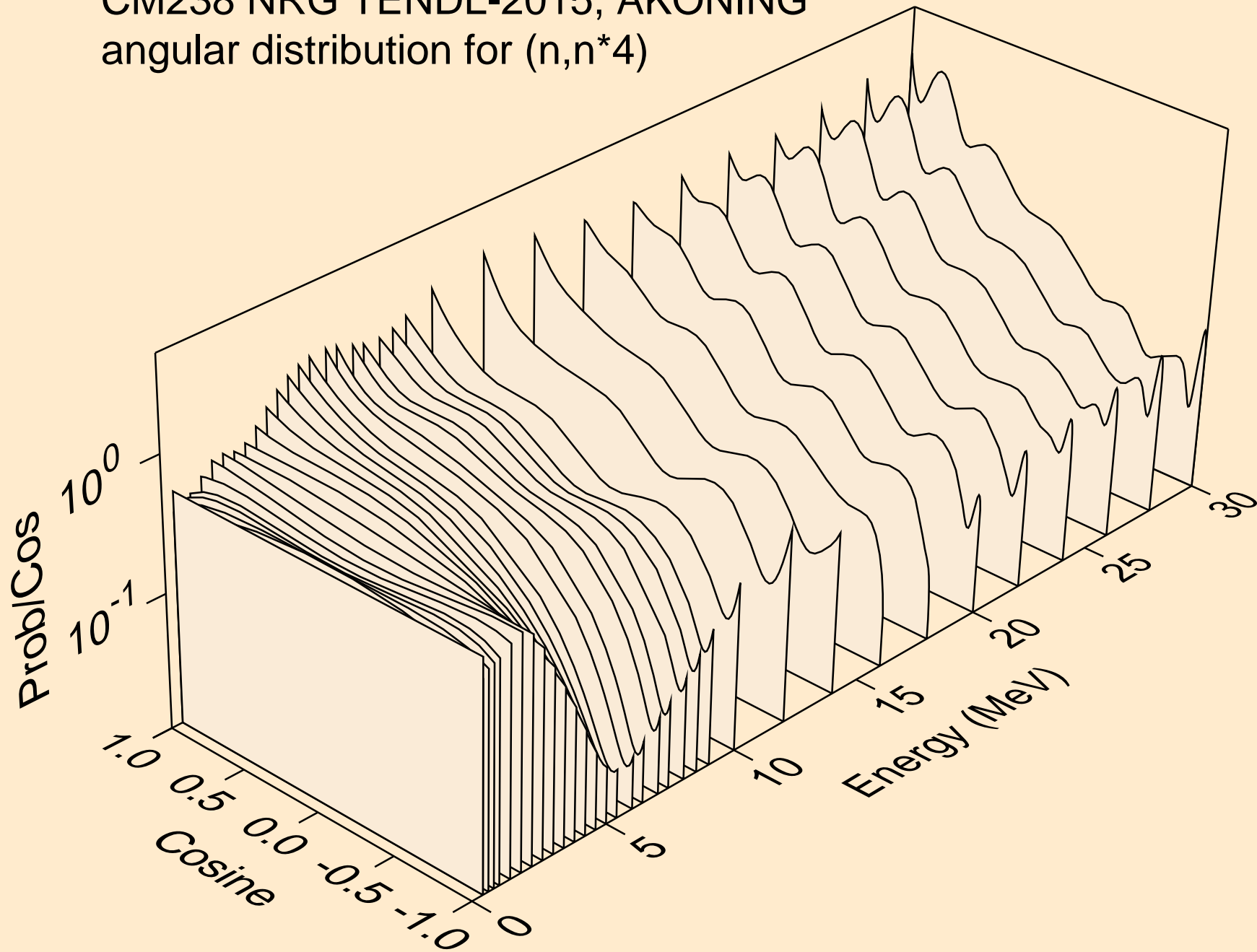
CM238 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



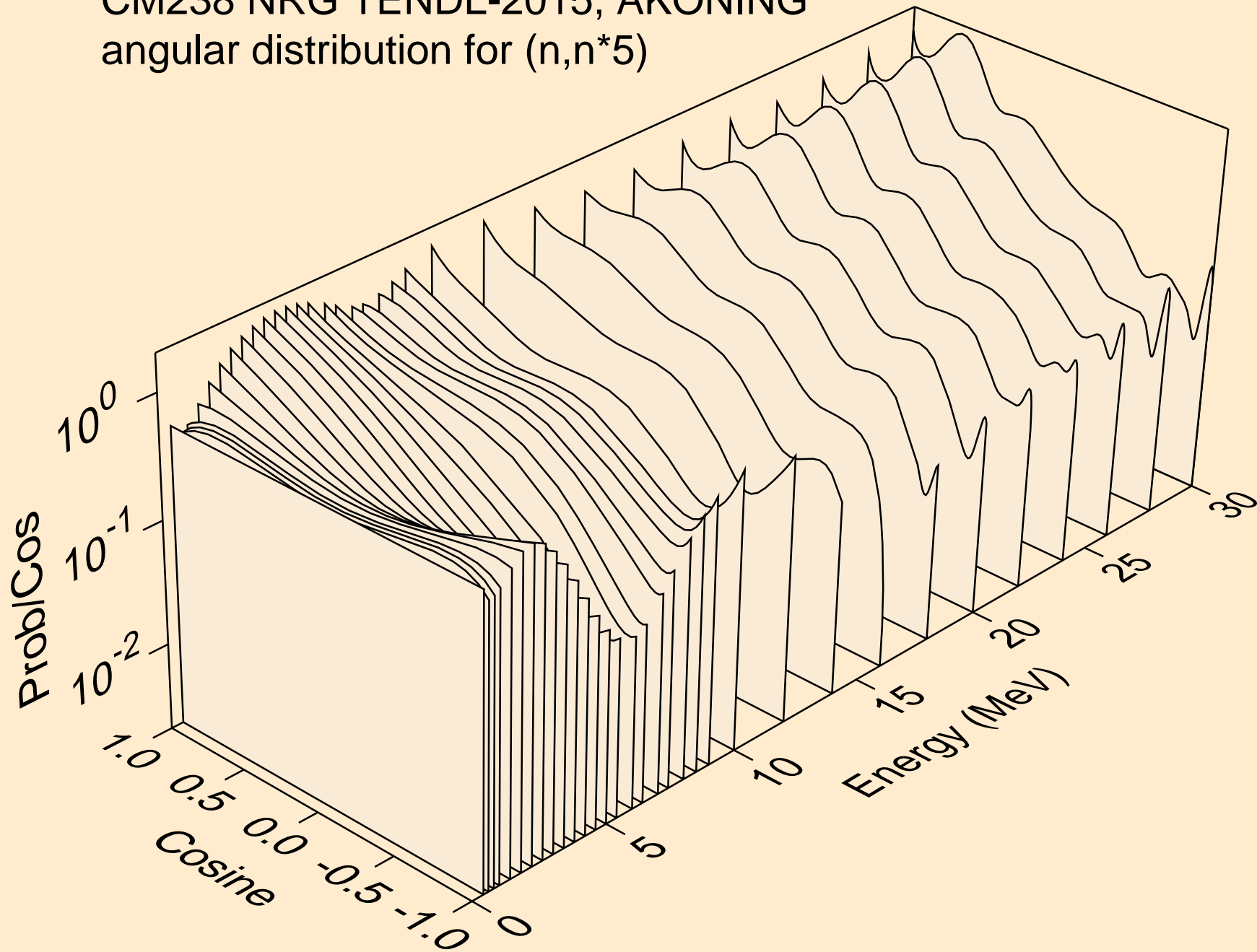
CM238 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



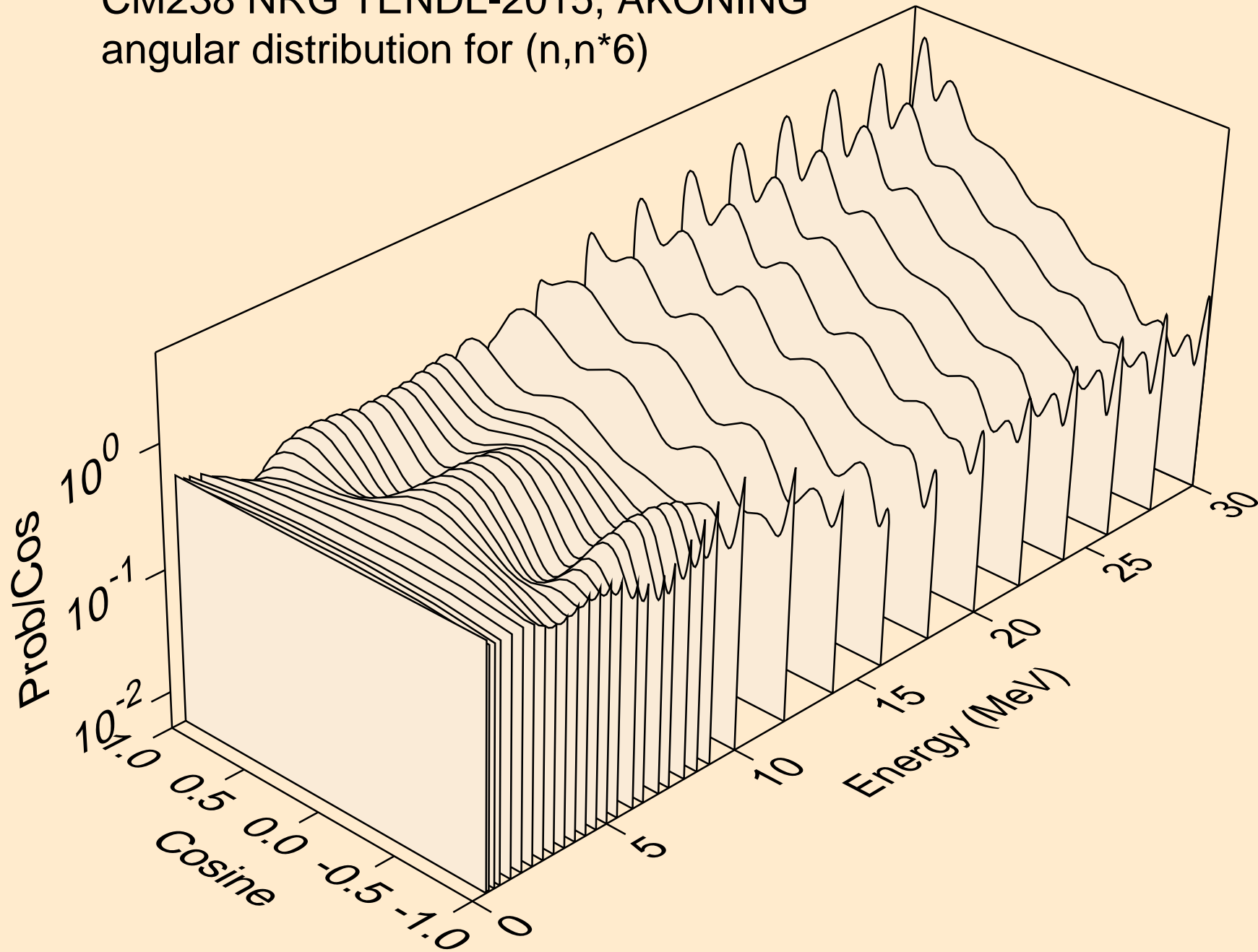
CM238 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



CM238 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)

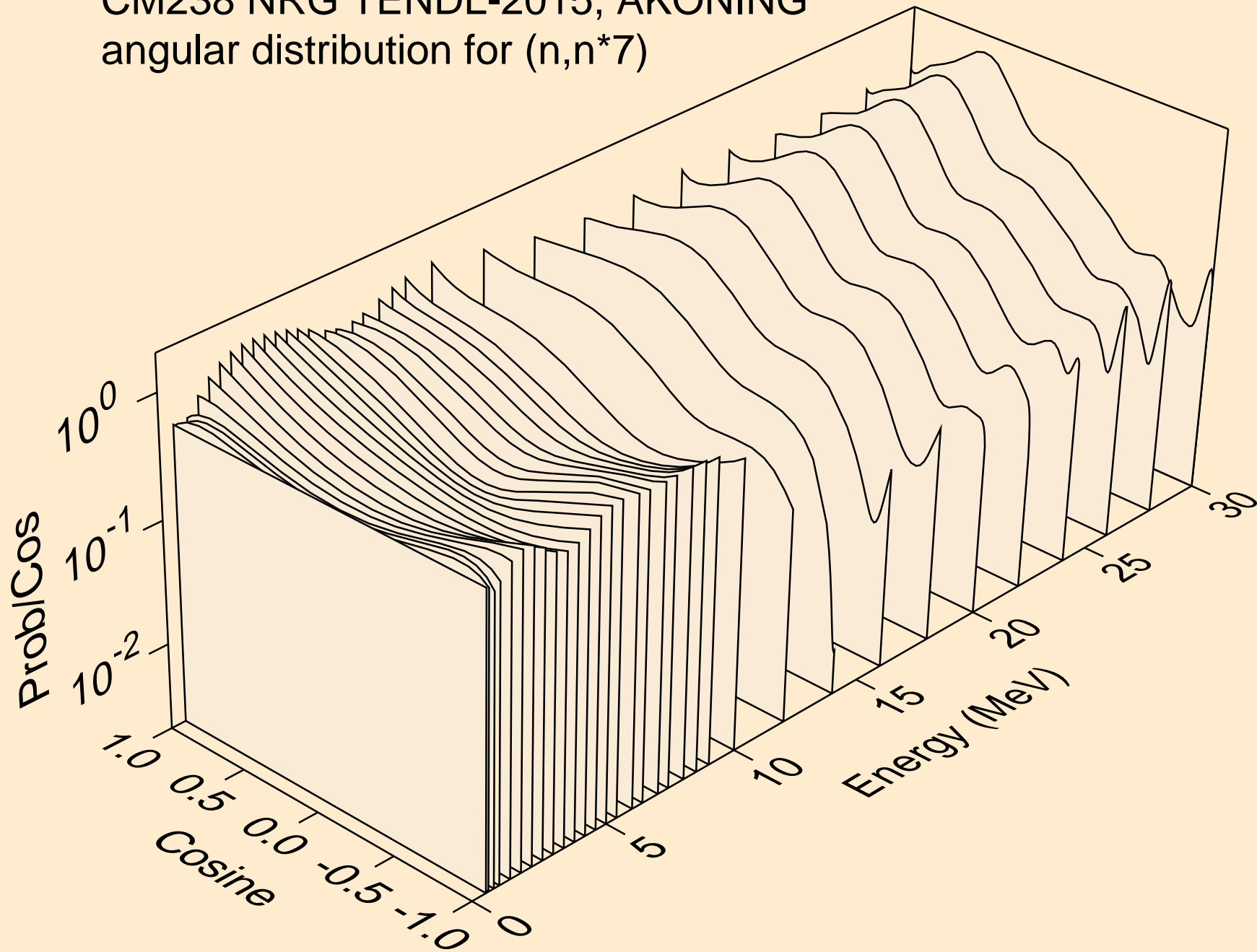


CM238 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)

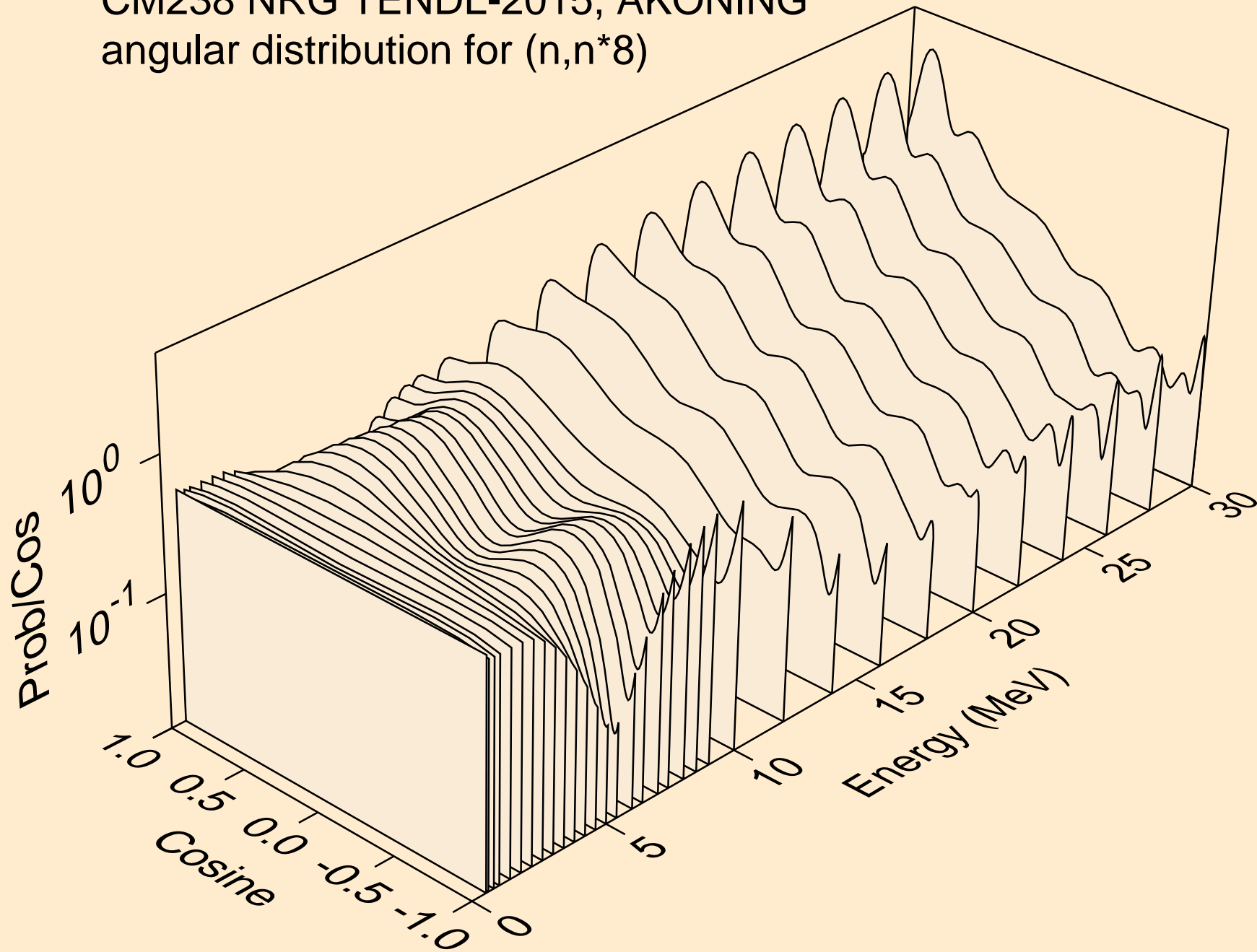




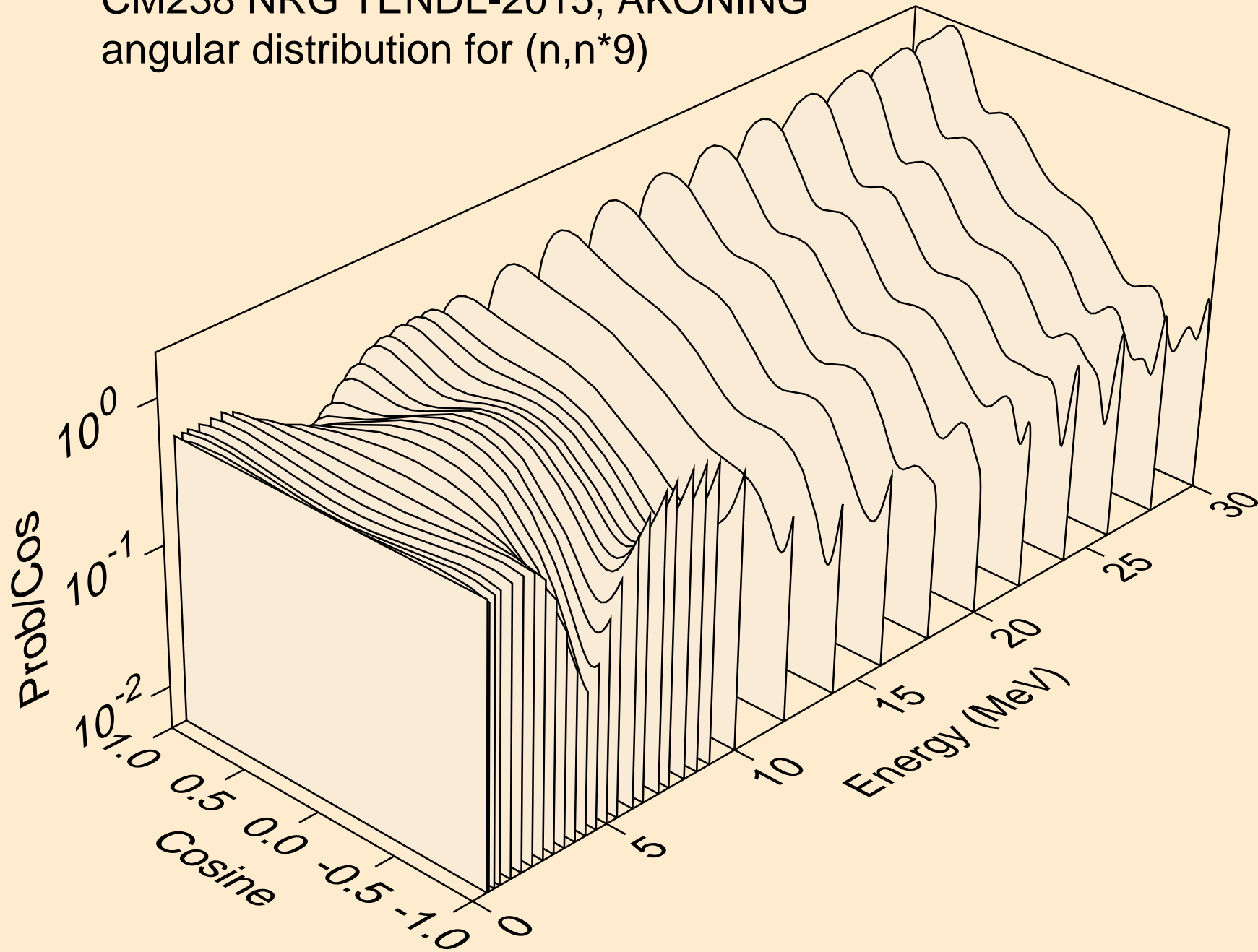
CM238 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



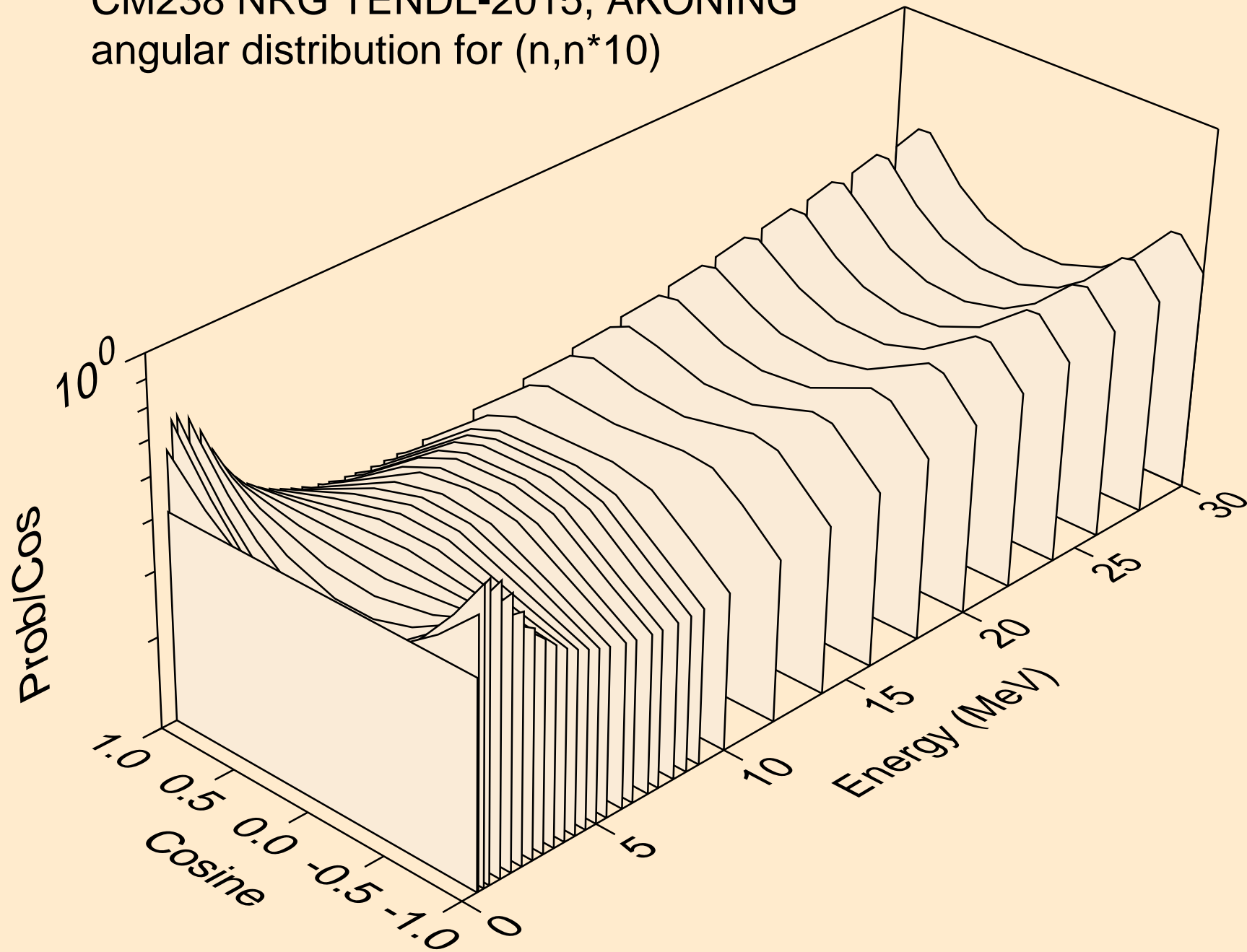
CM238 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)



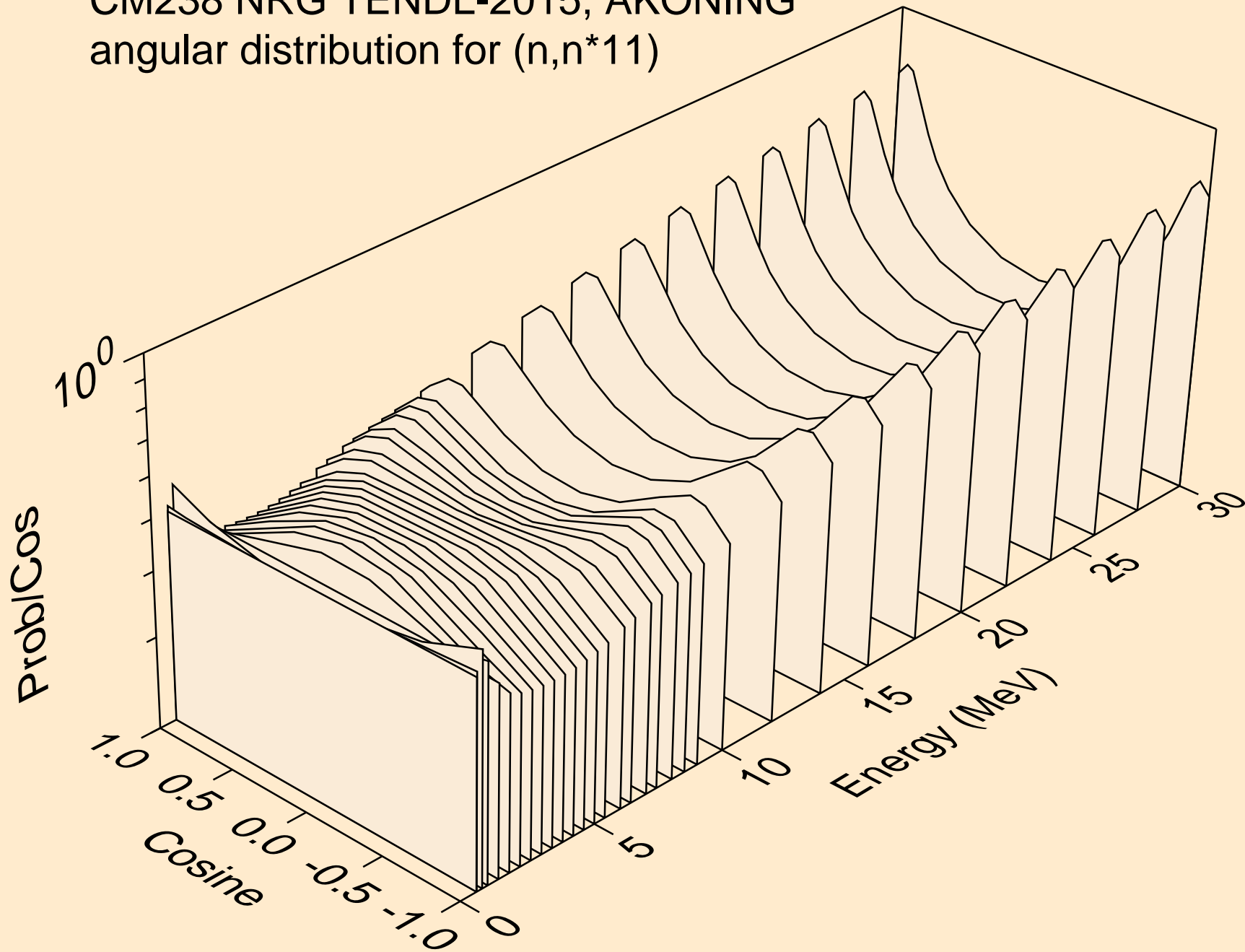
CM238 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



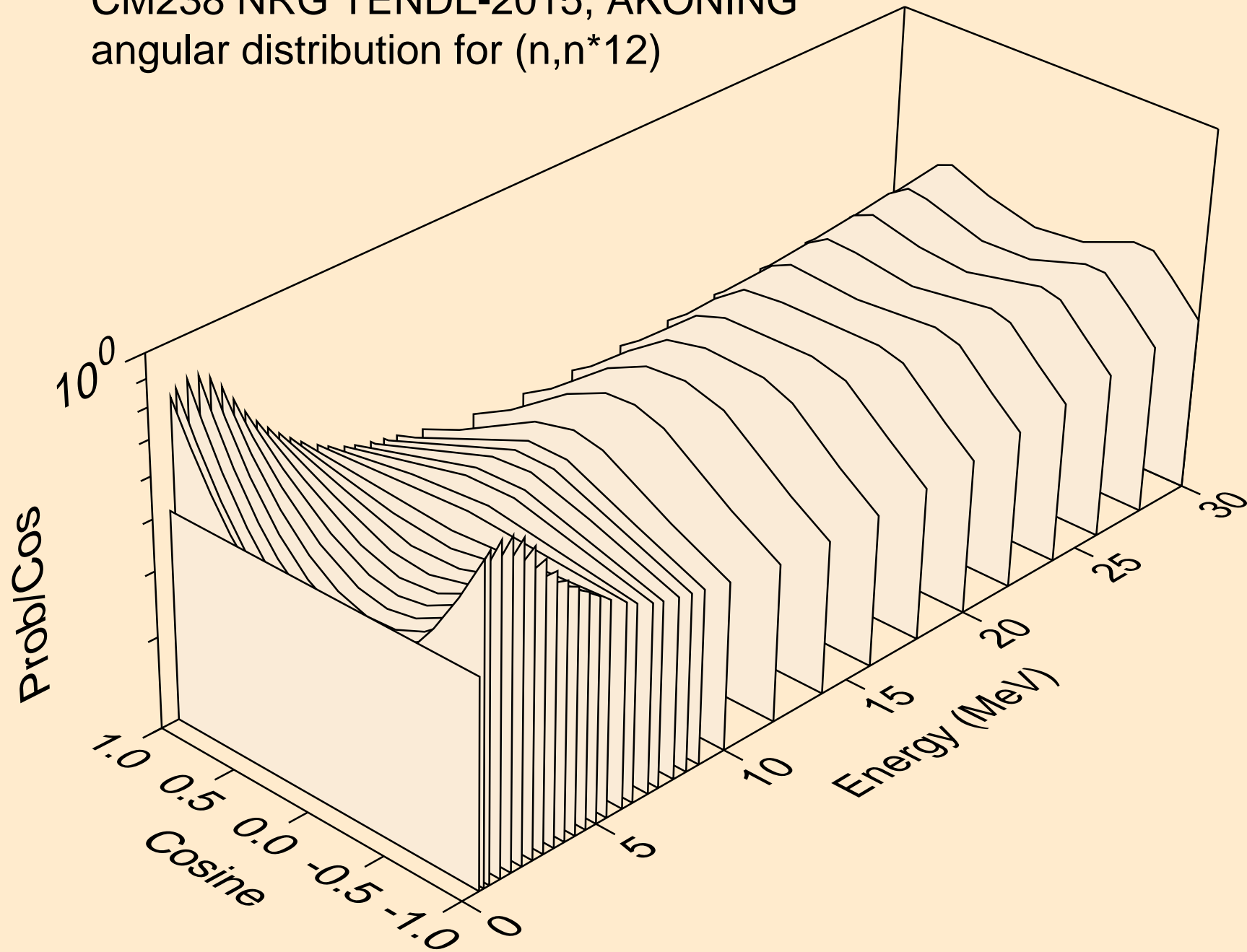
CM238 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



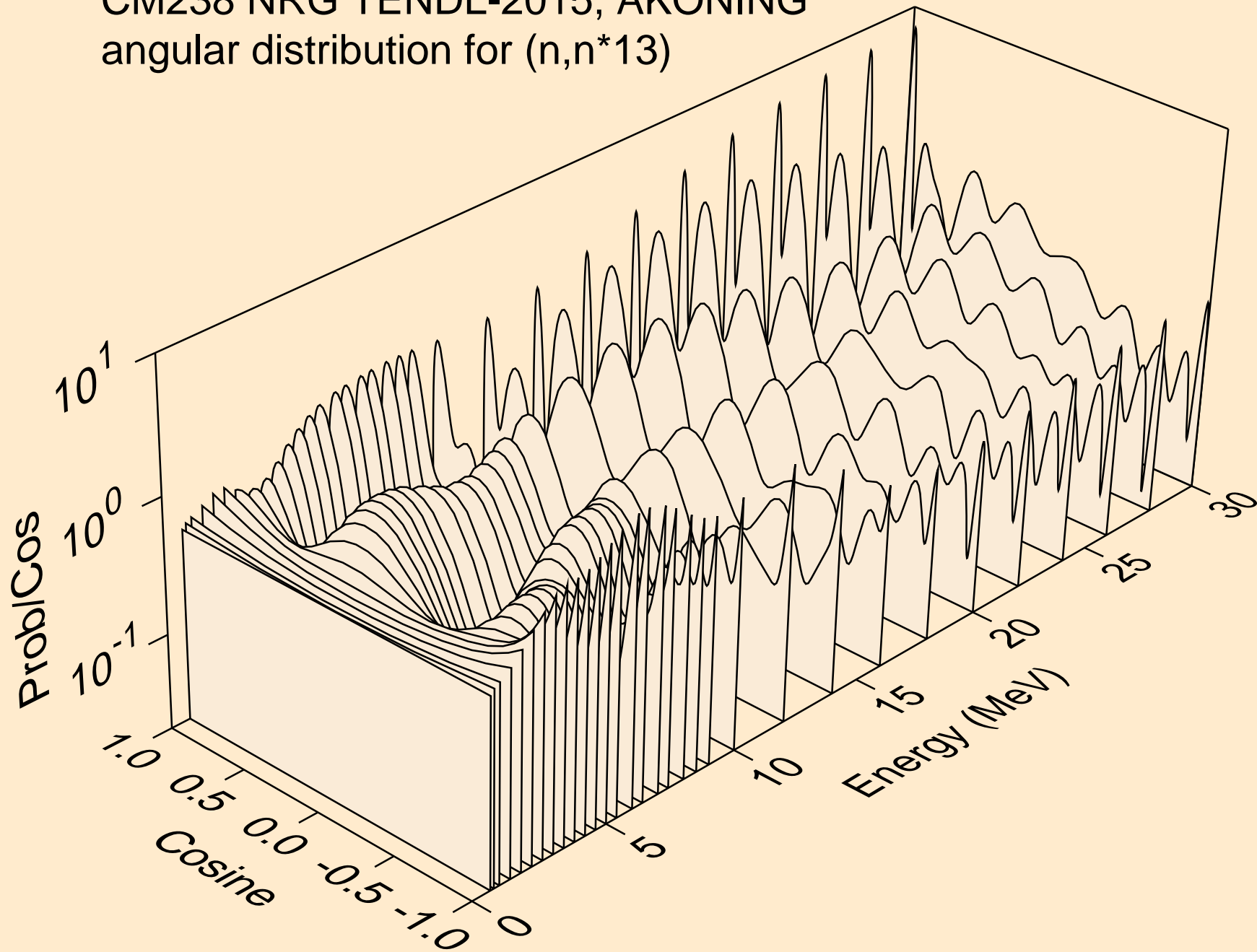
CM238 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



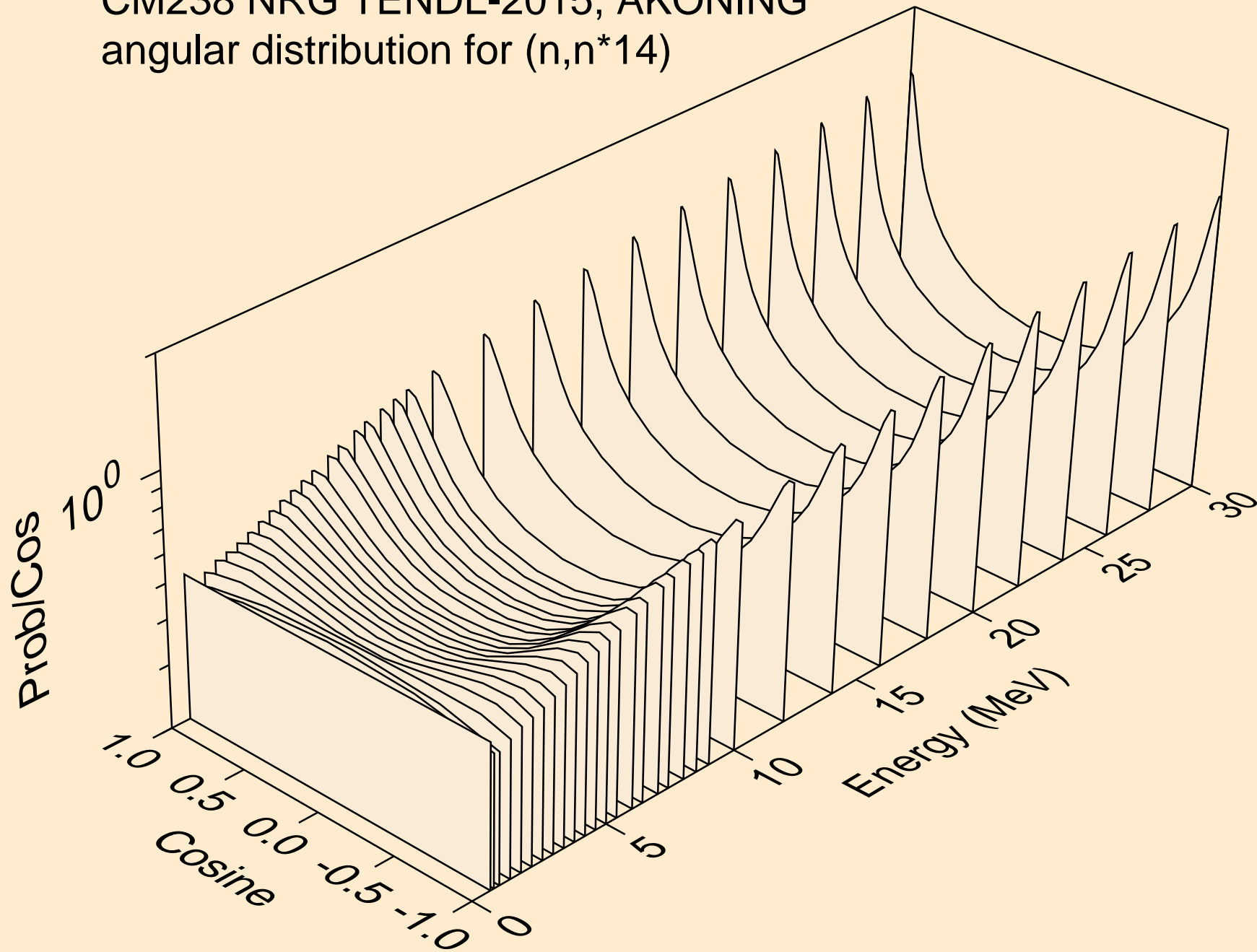
CM238 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



CM238 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)

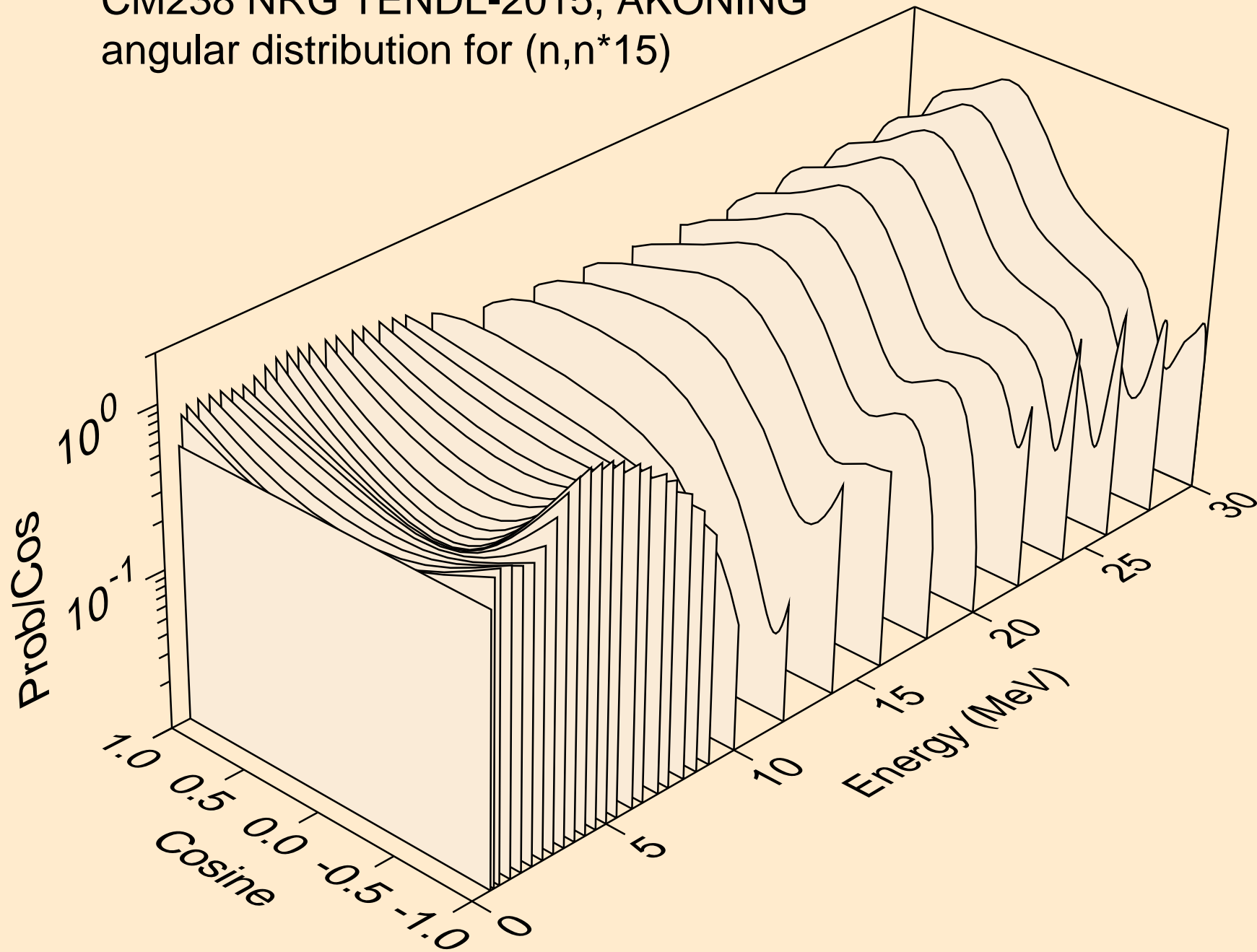


CM238 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)

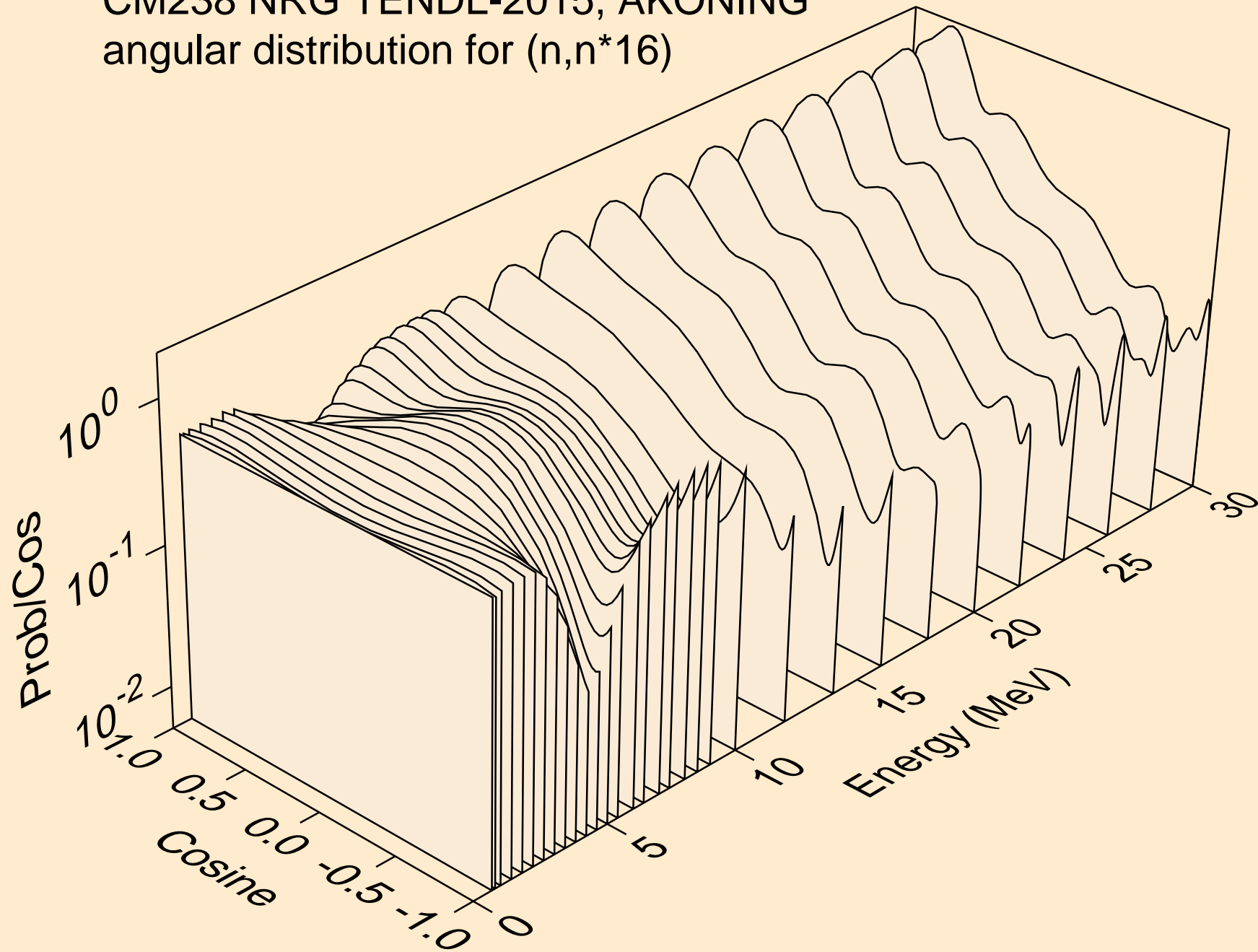




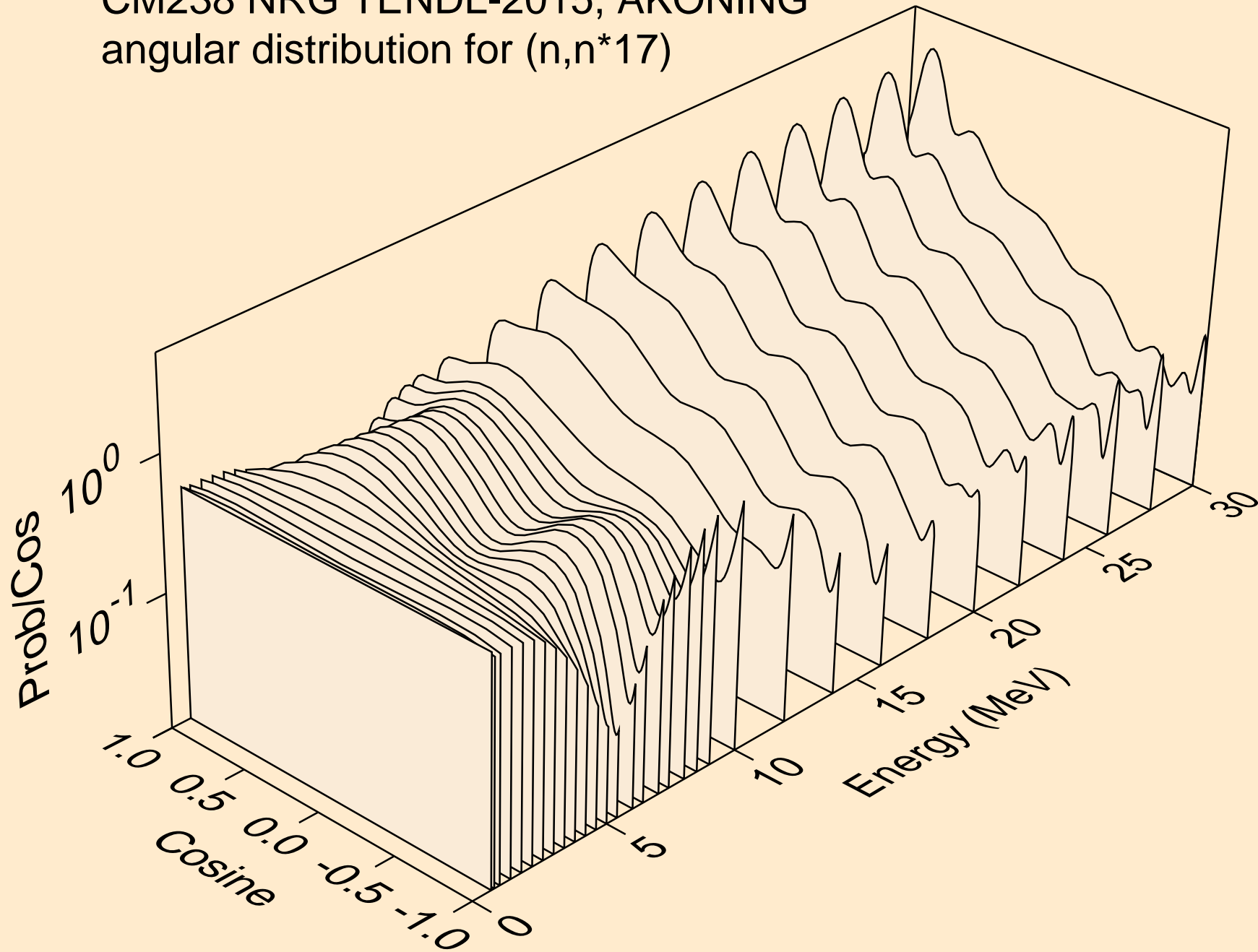
CM238 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



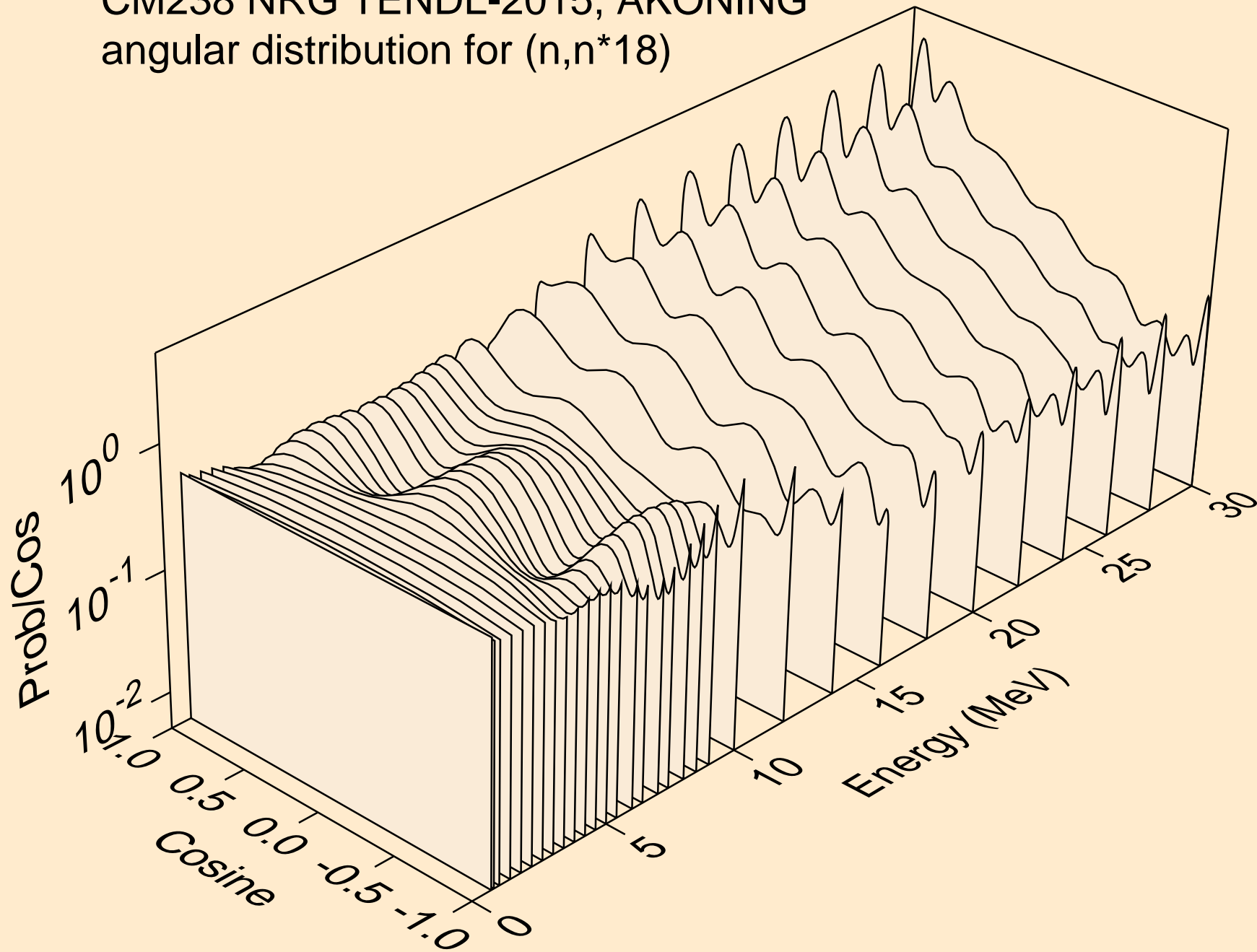
CM238 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)



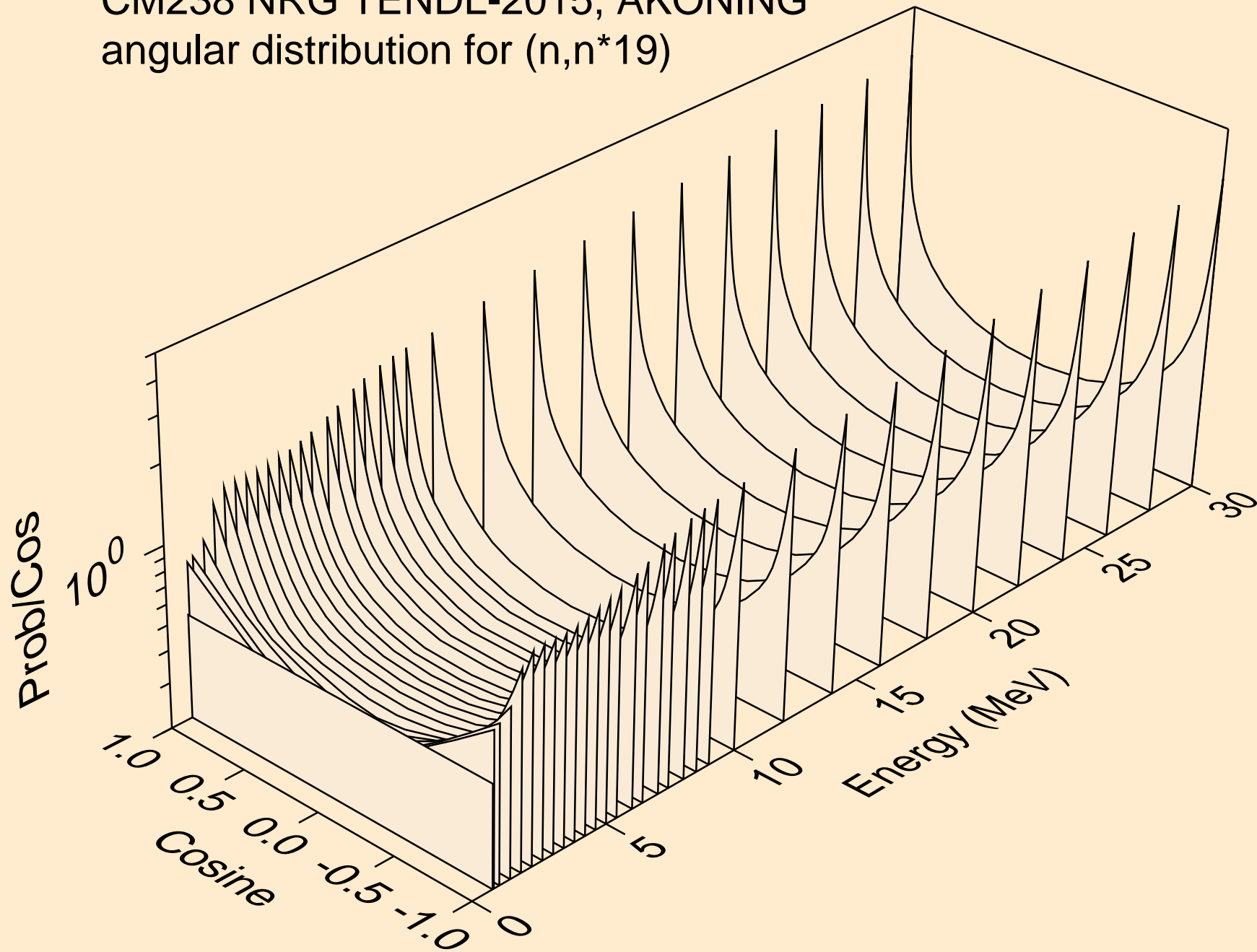
CM238 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



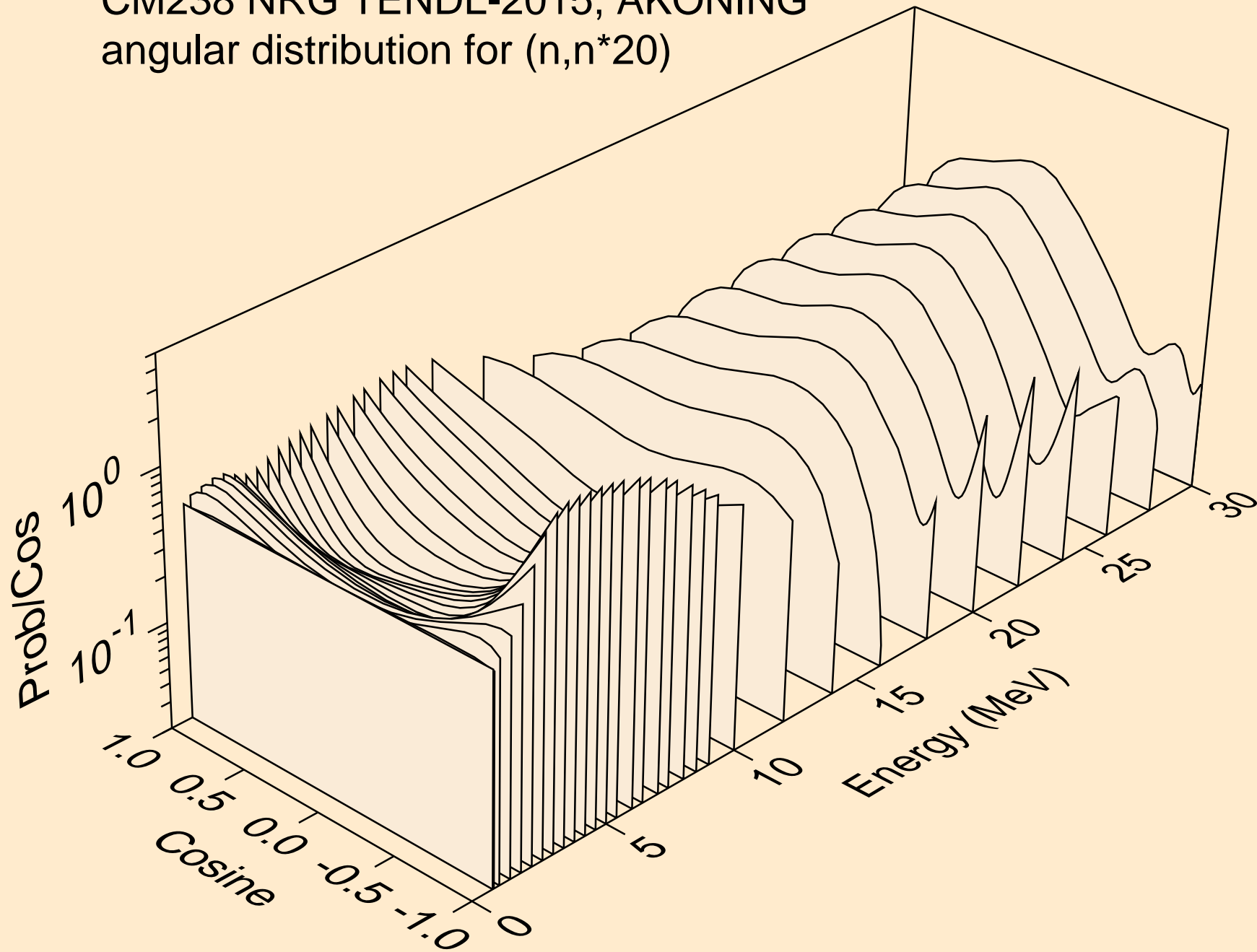
CM238 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



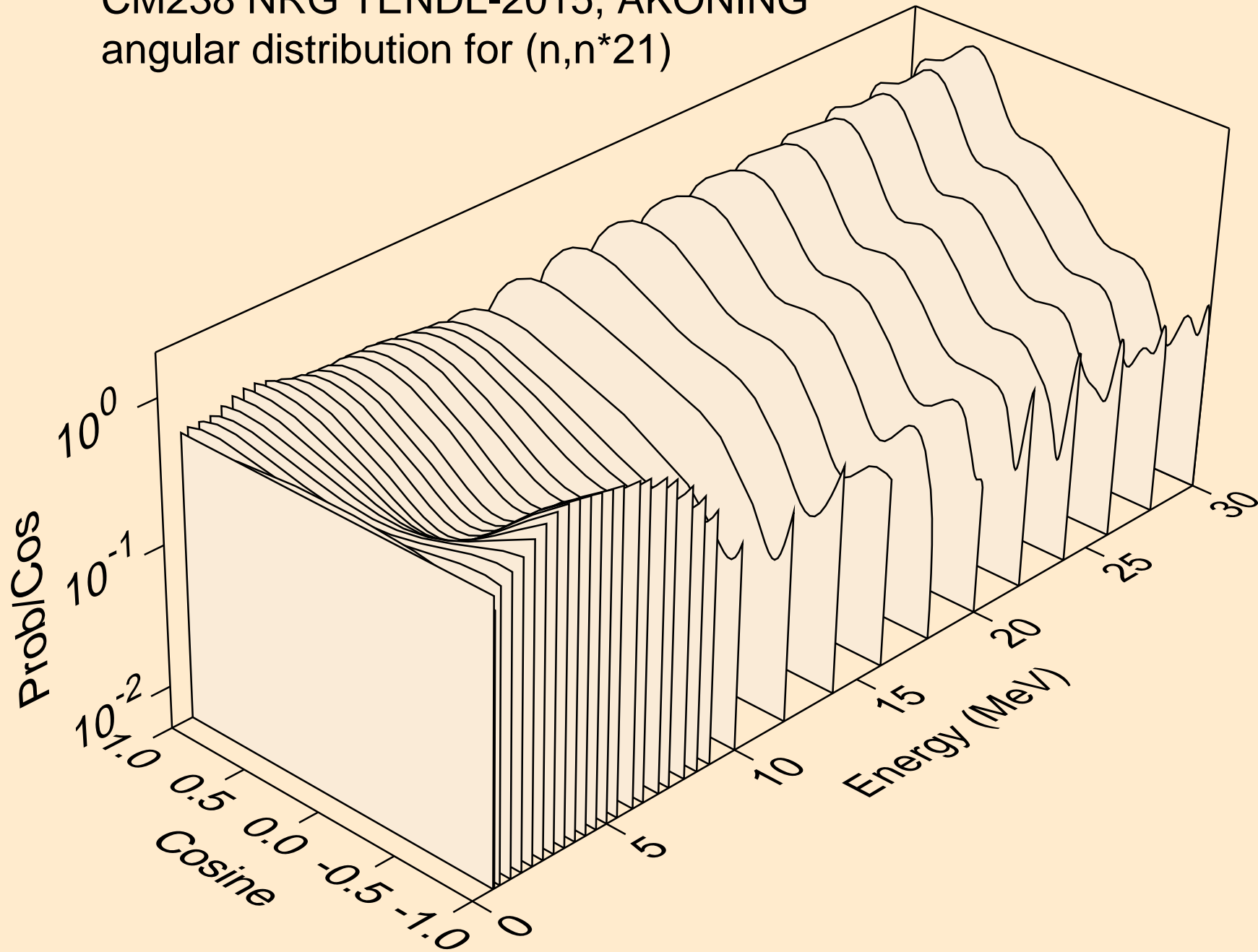
CM238 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



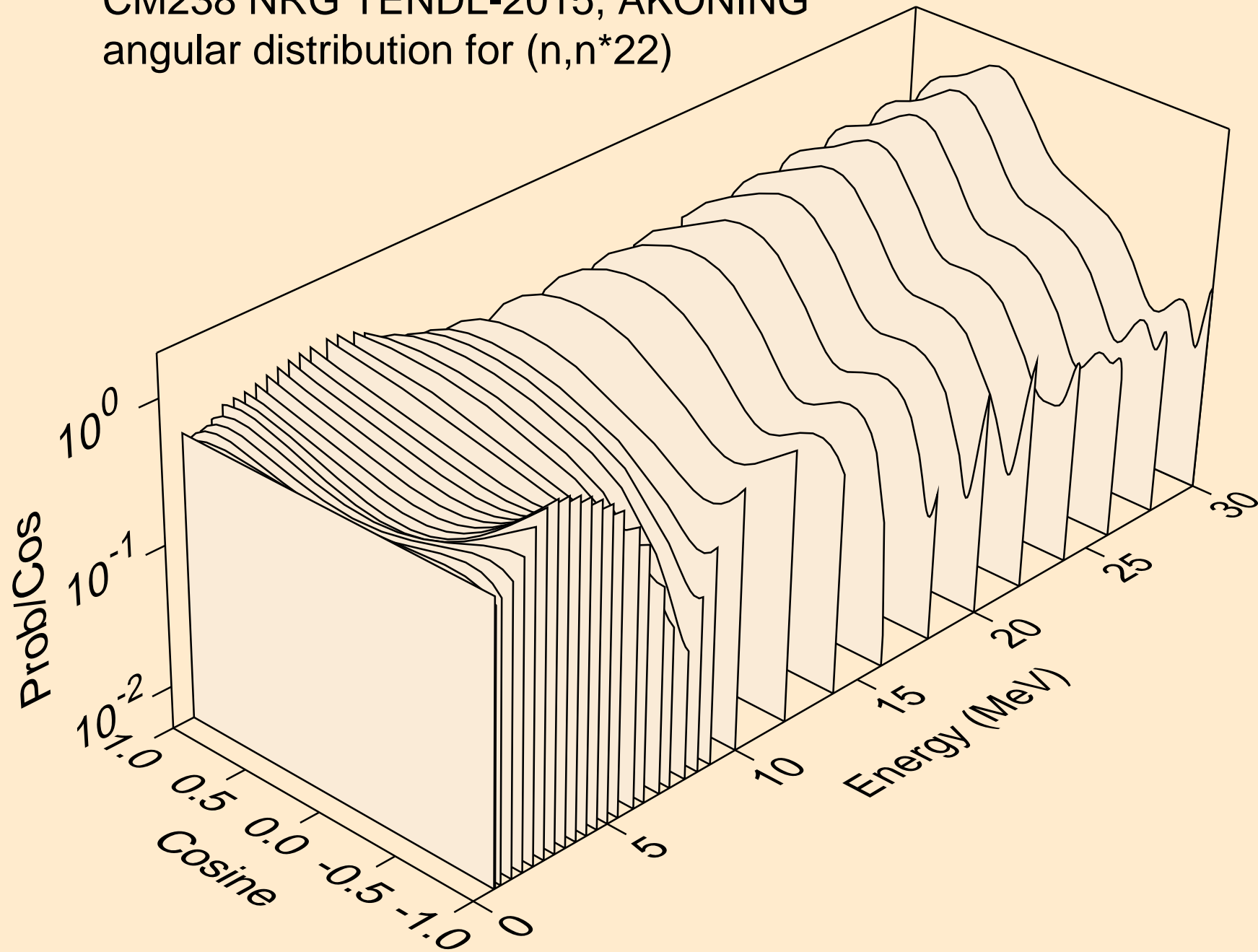
CM238 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



CM238 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)

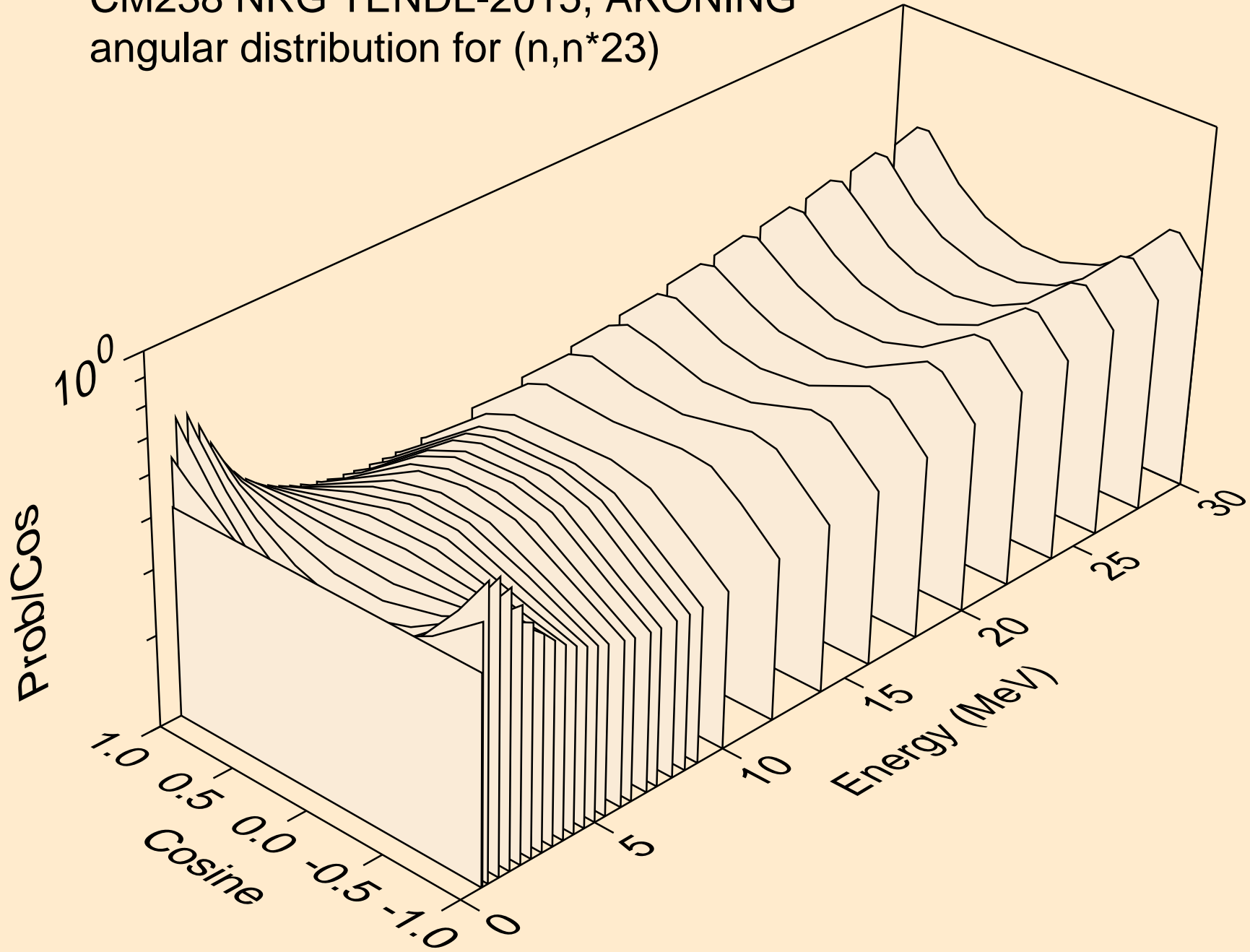


CM238 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)

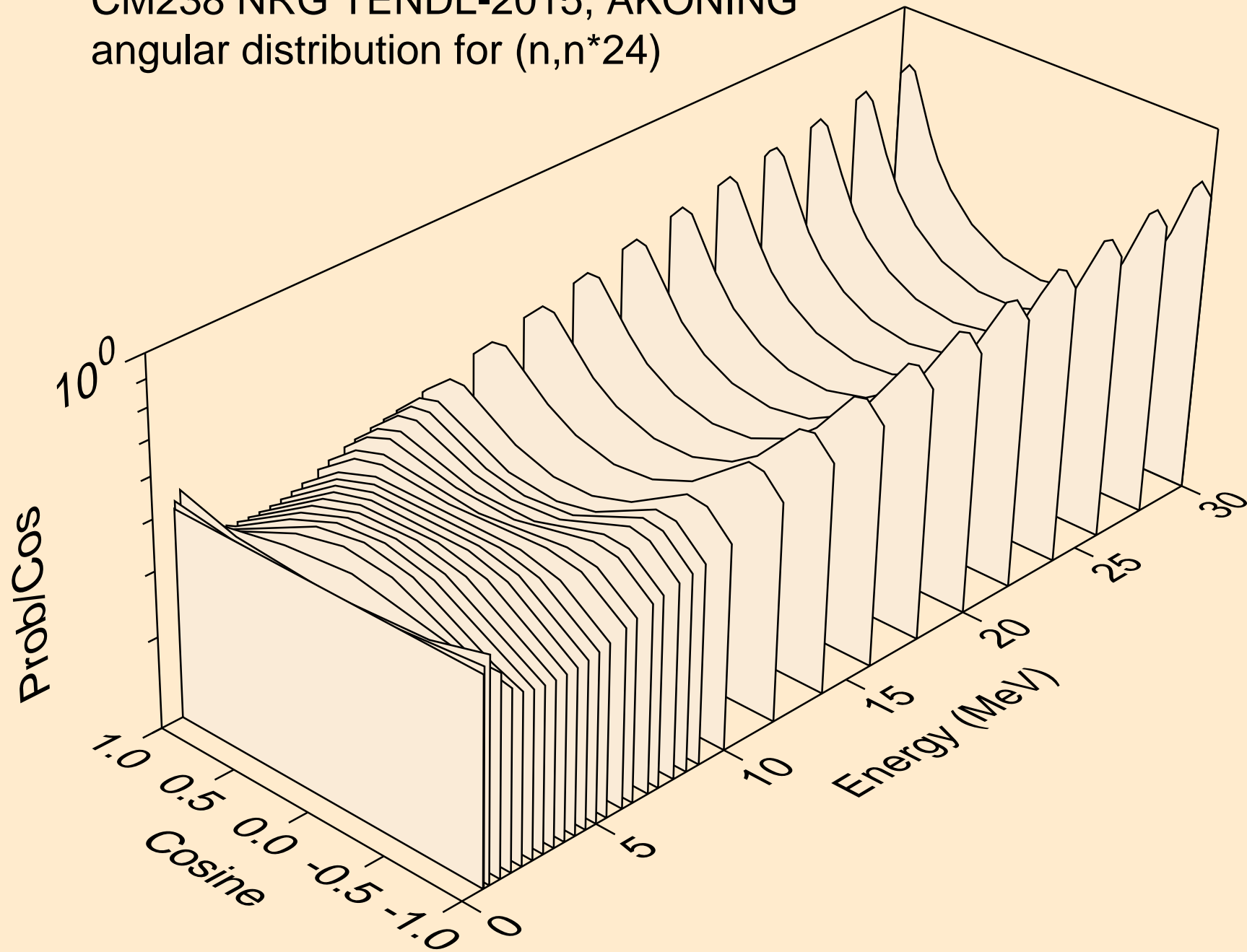




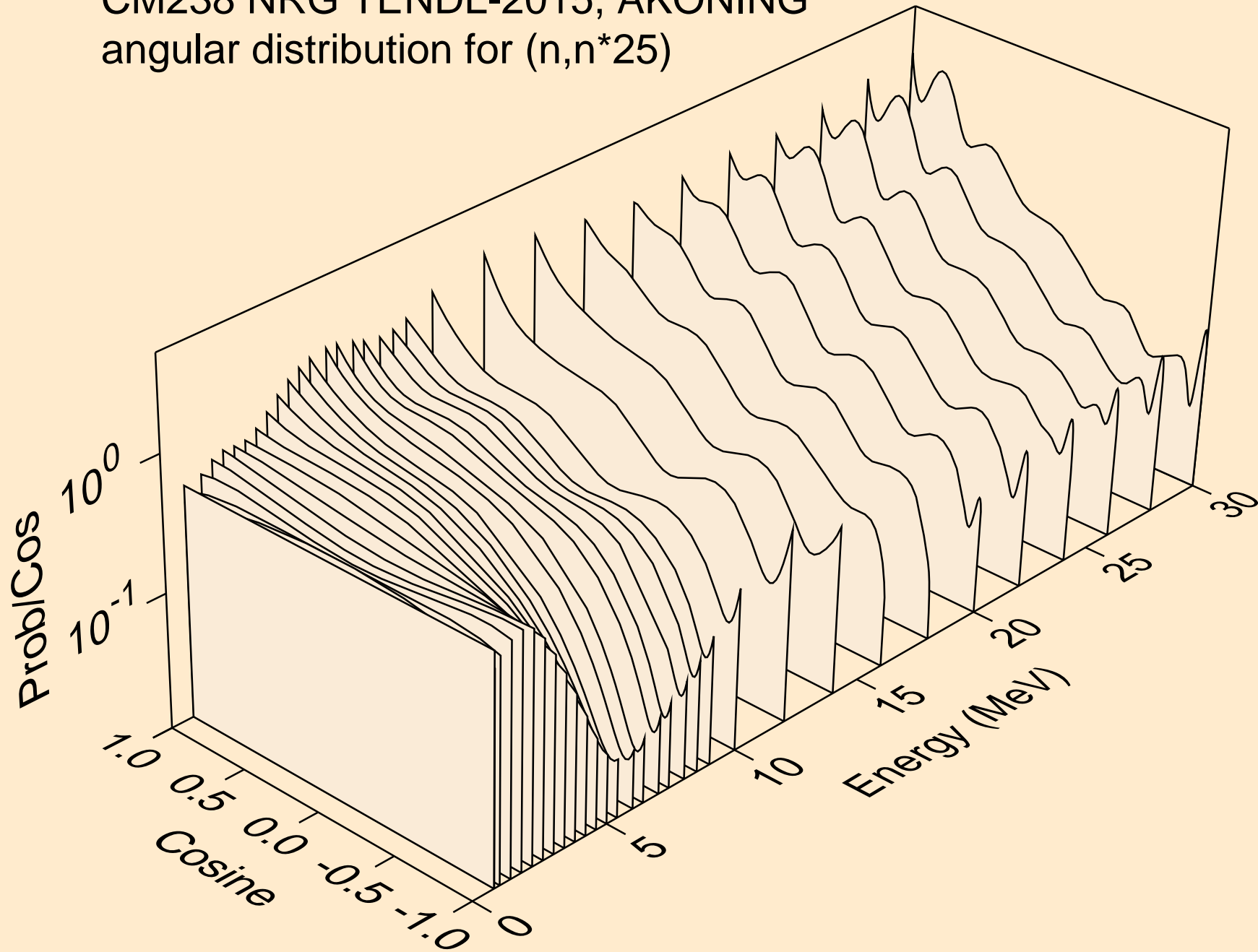
CM238 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)



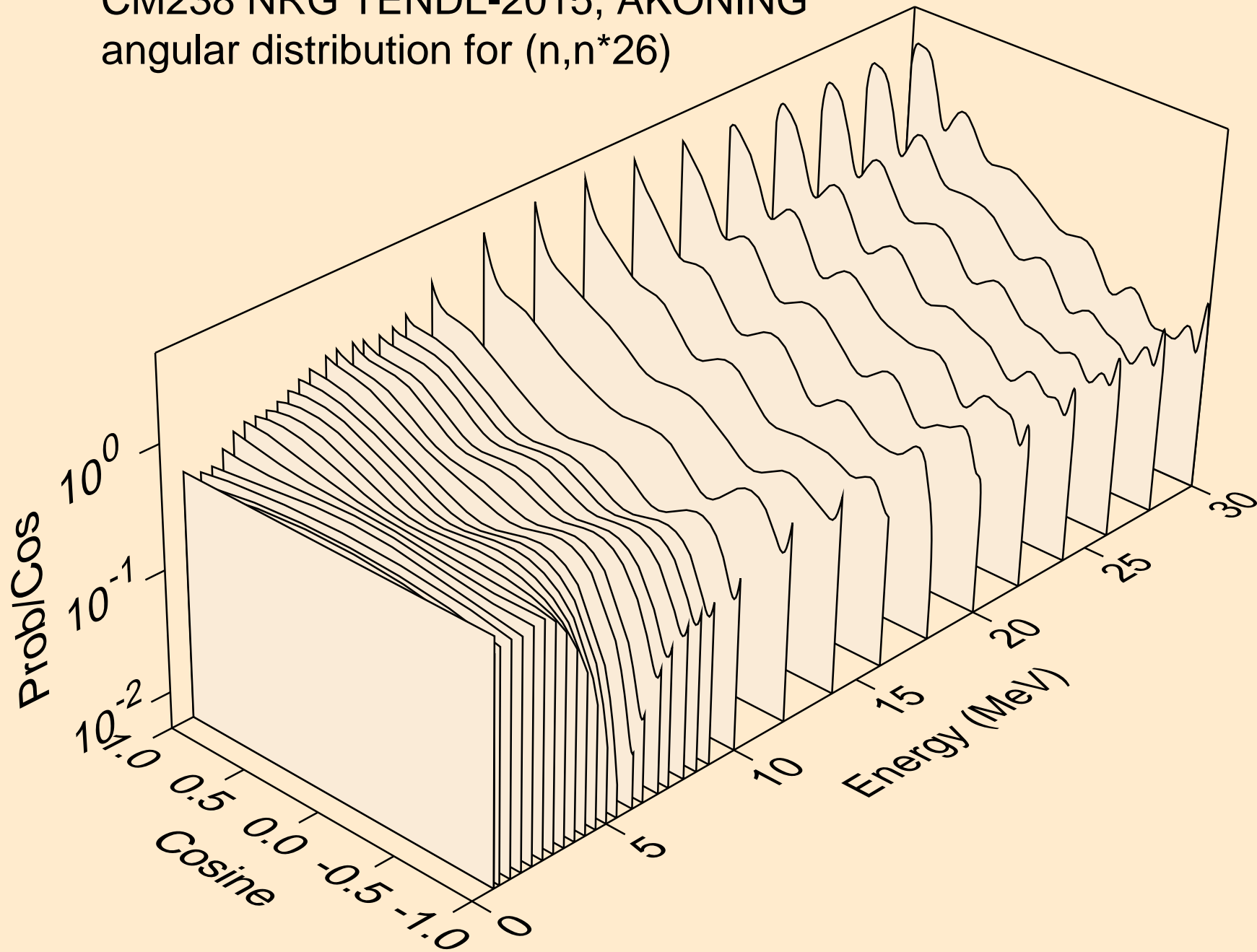
CM238 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)



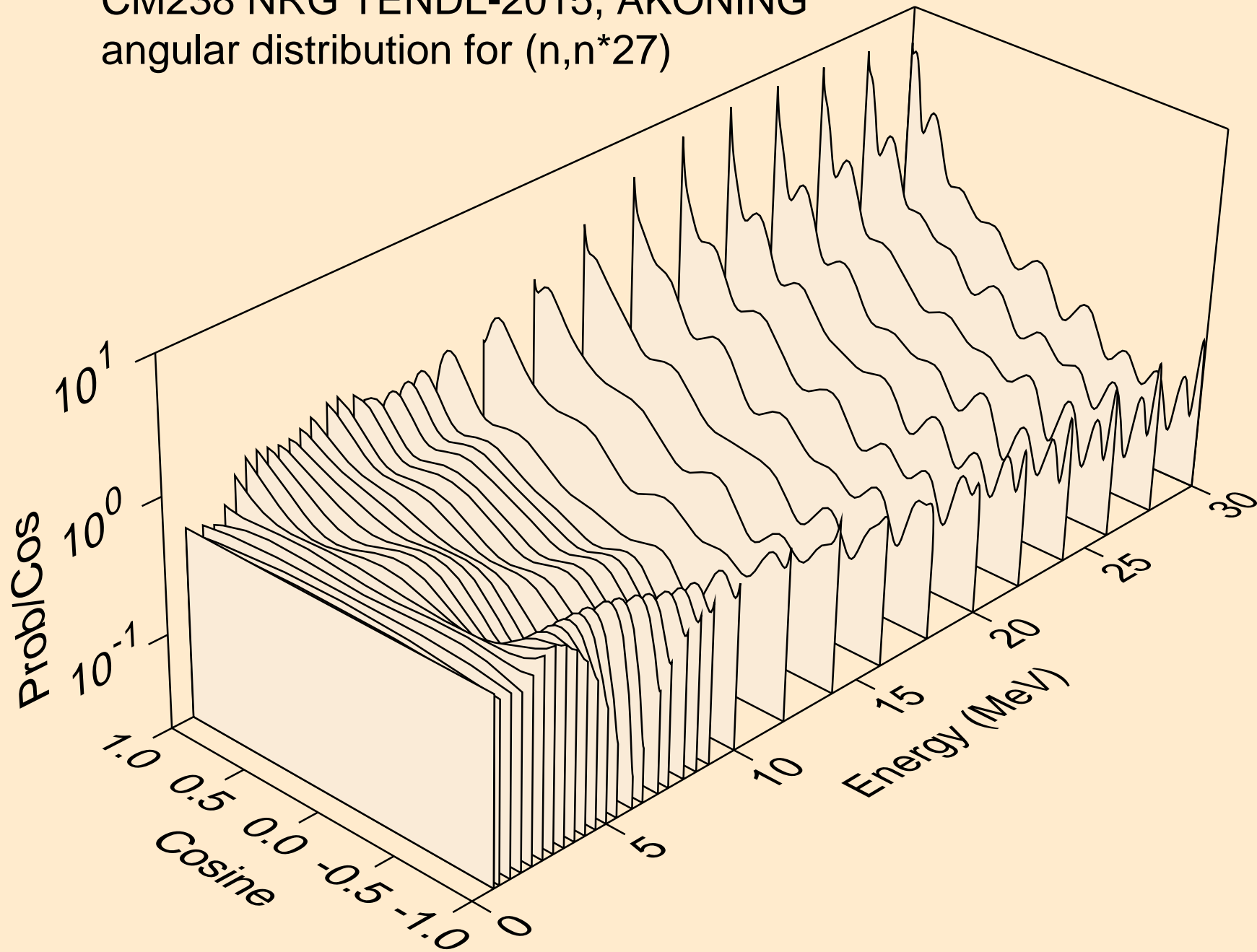
CM238 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



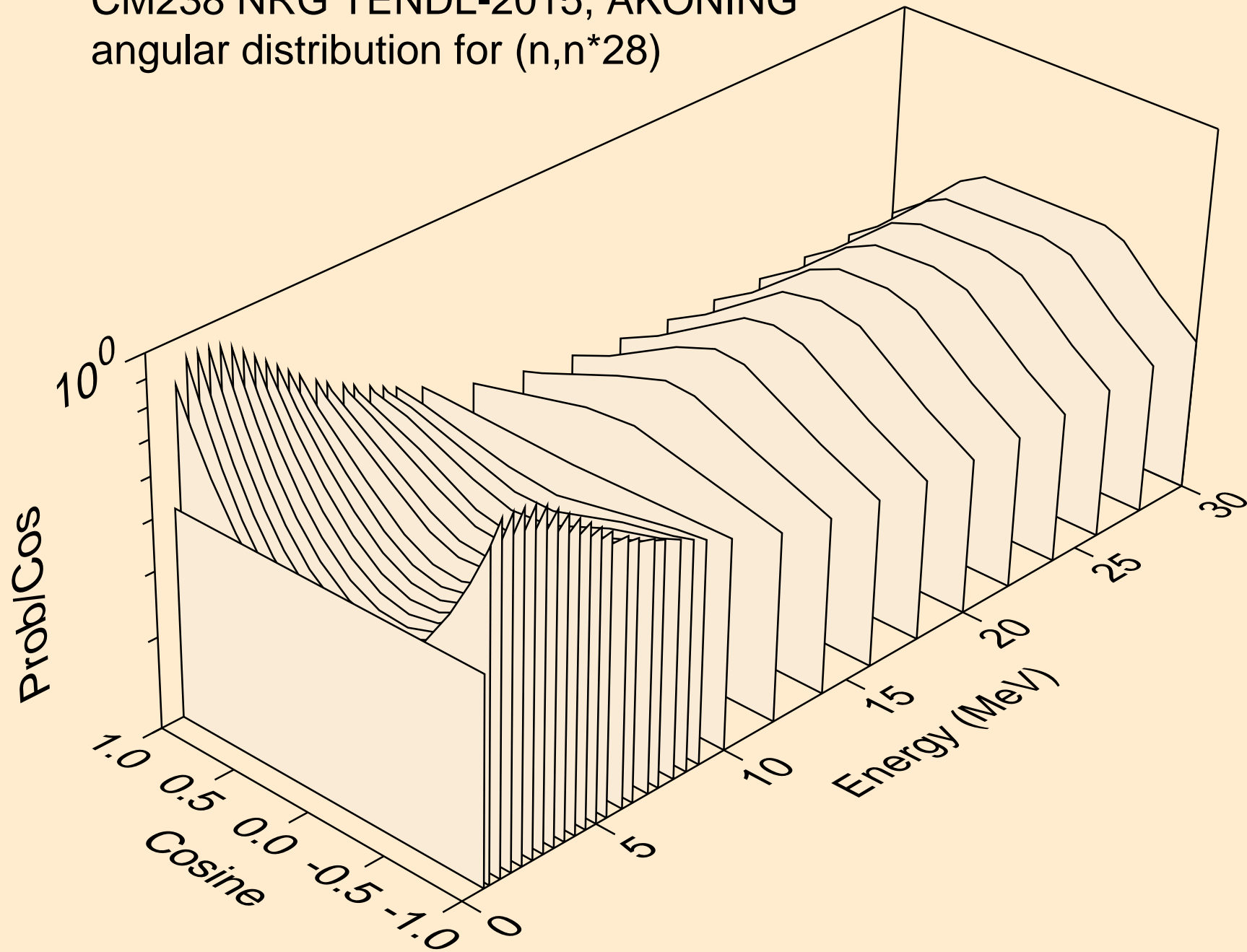
CM238 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



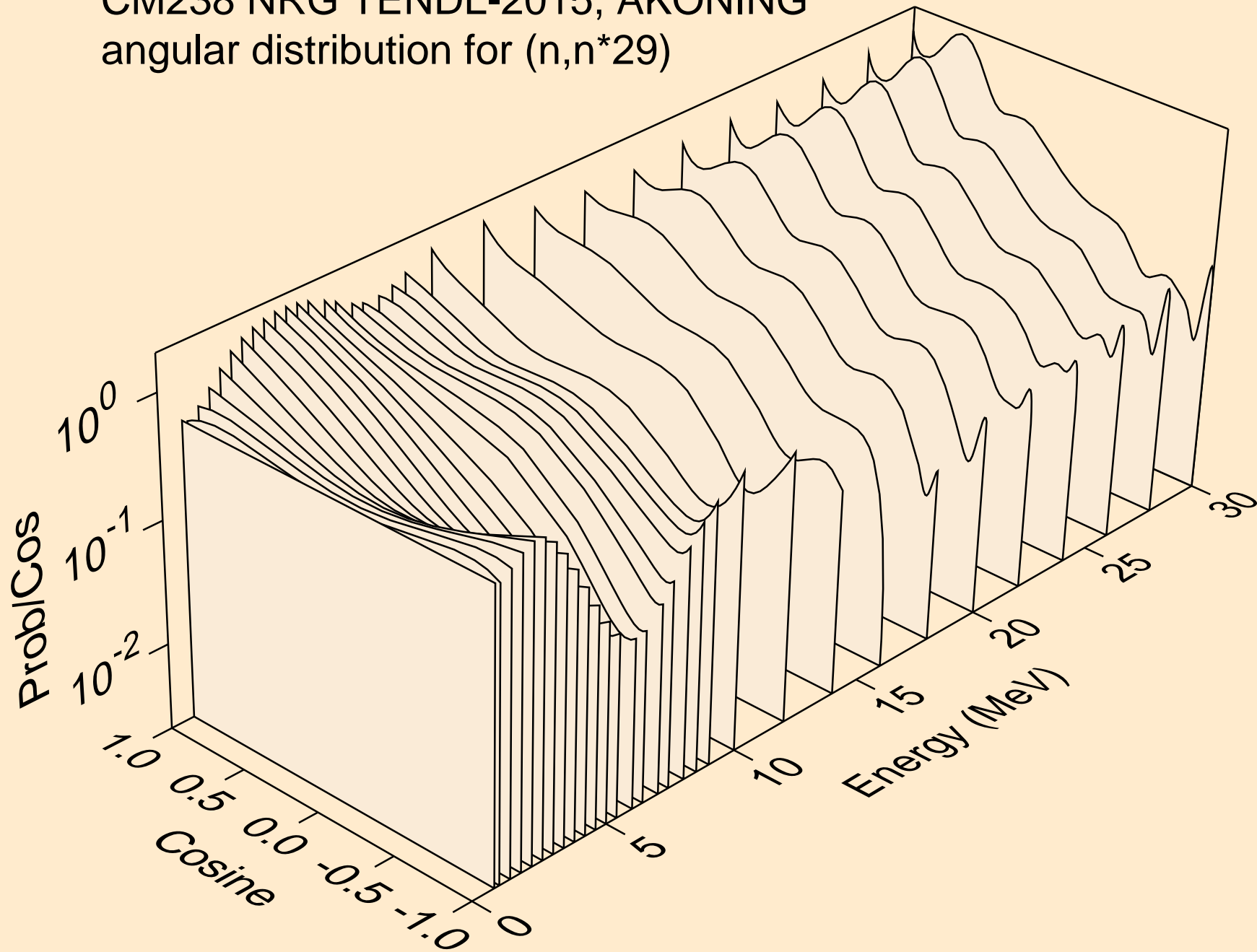
CM238 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*27)



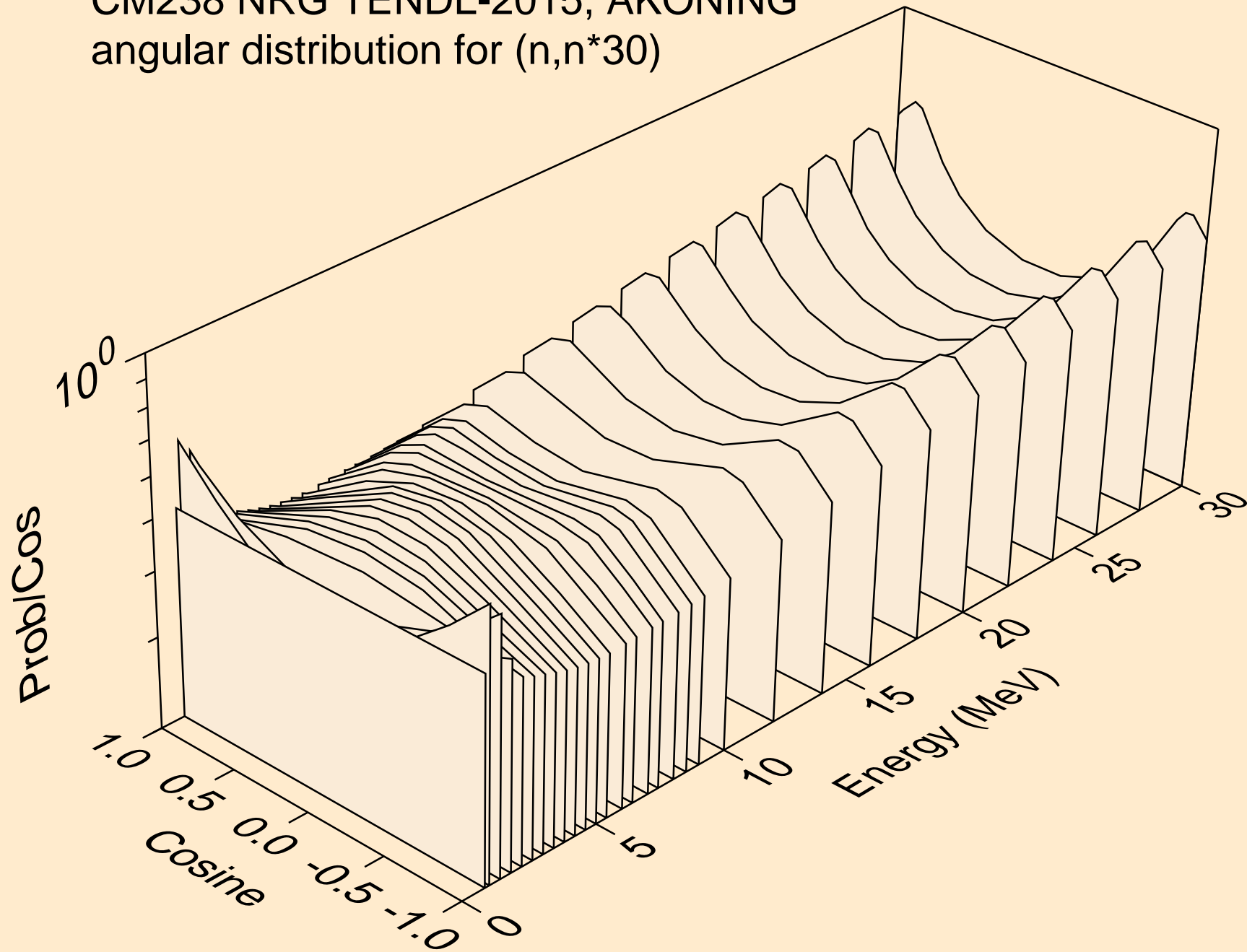
CM238 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)



CM238 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*29)



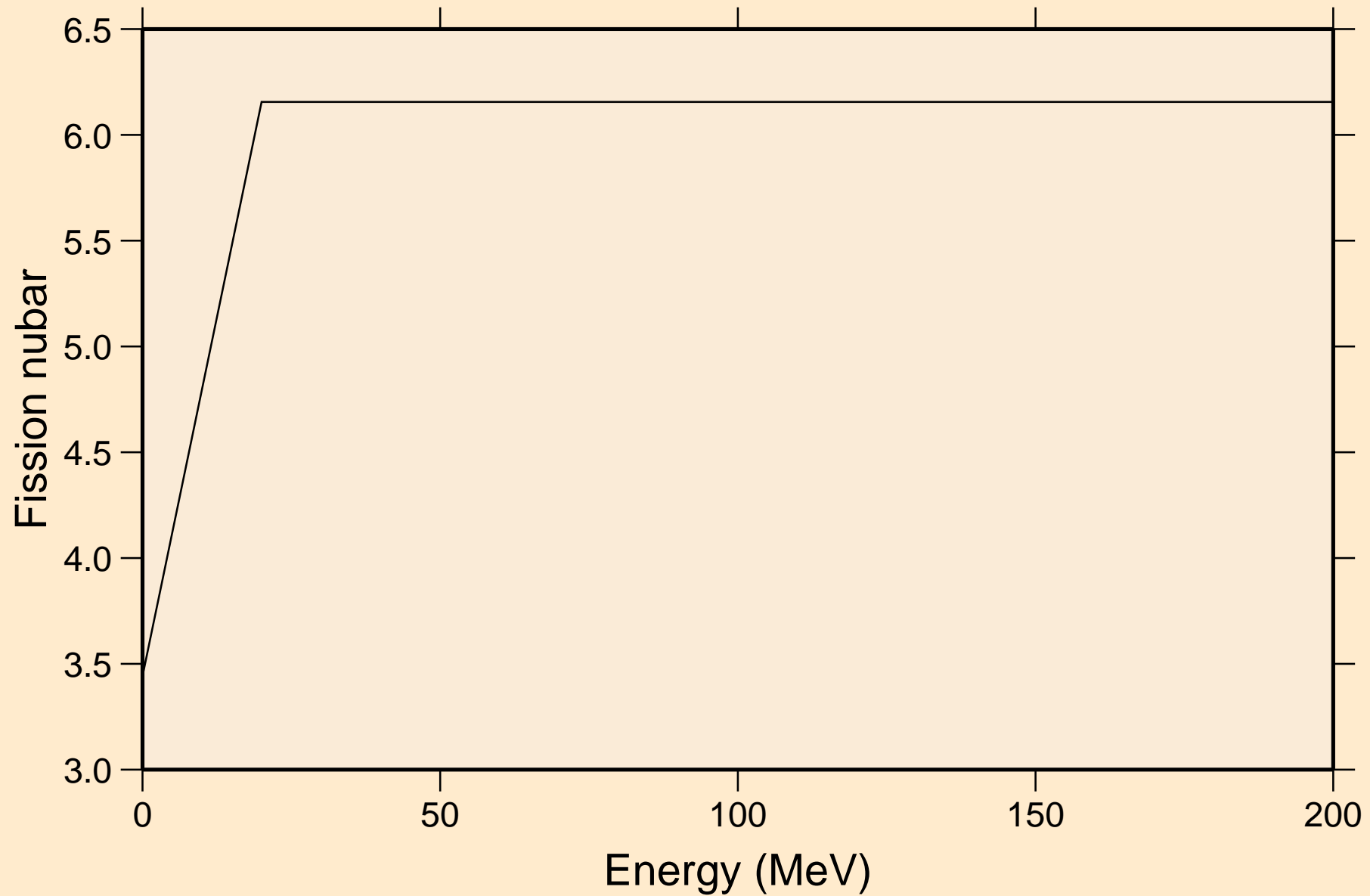
CM238 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*30)



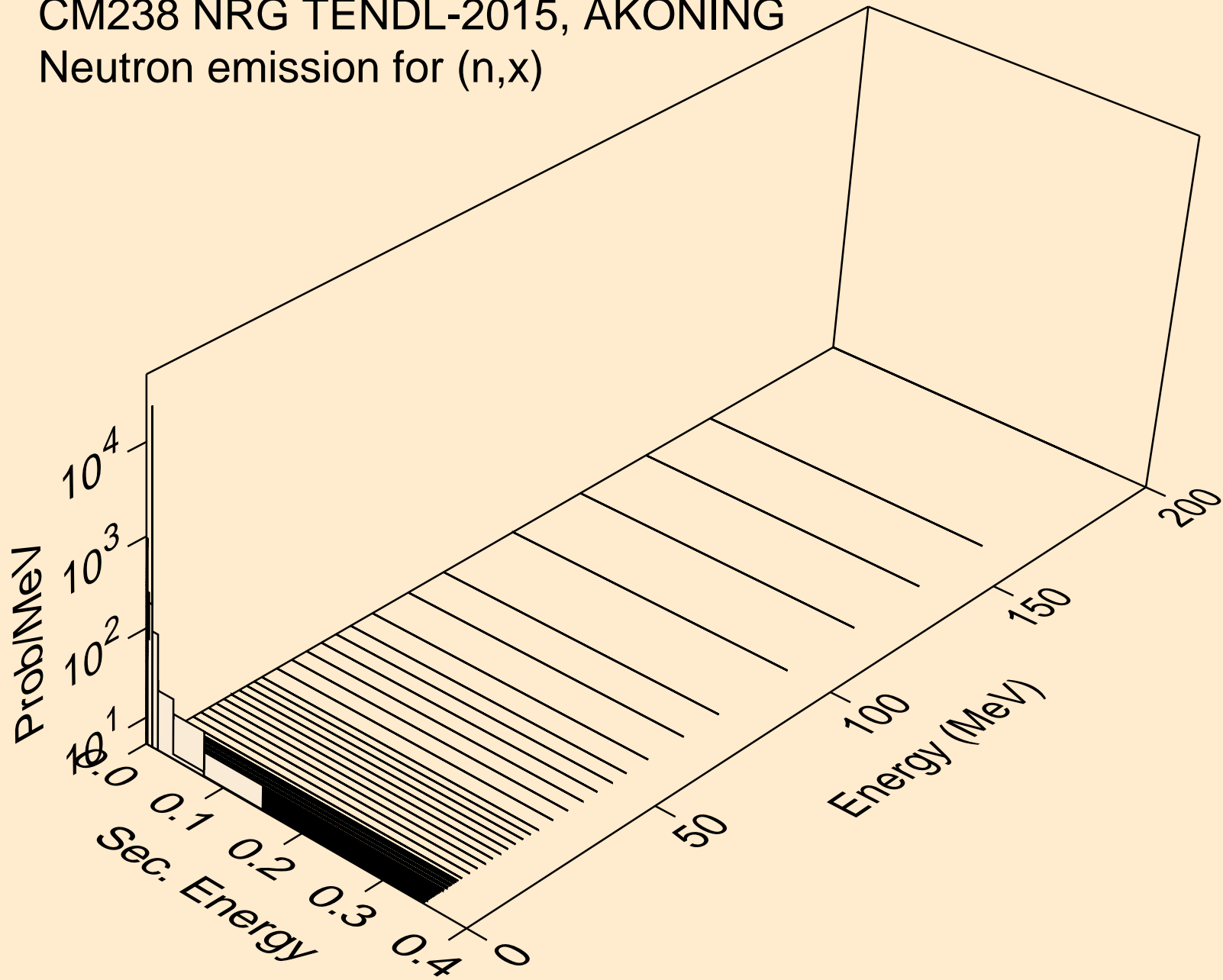


# CM238 NRG TENDL-2015, AKONING

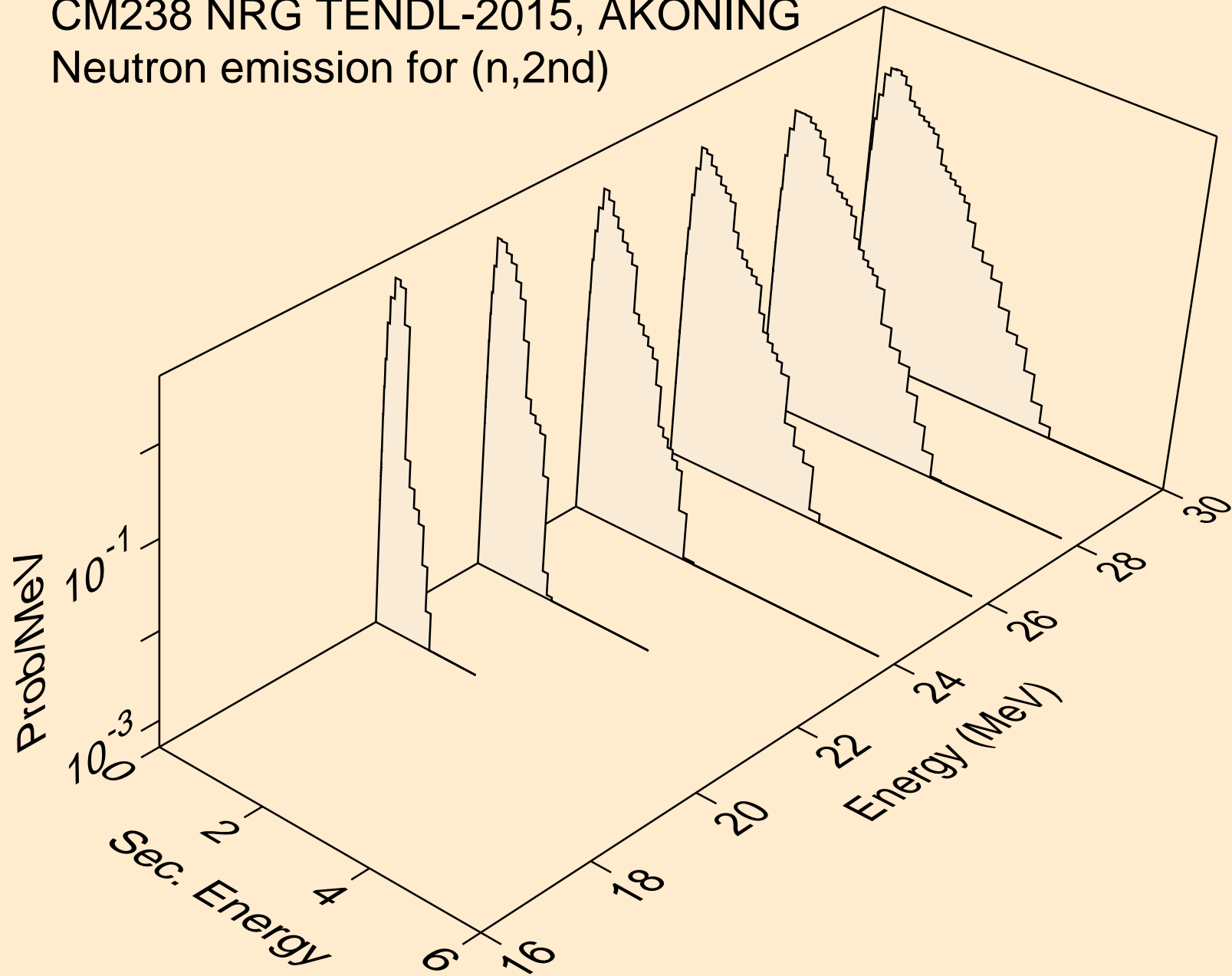
Total fission nubar



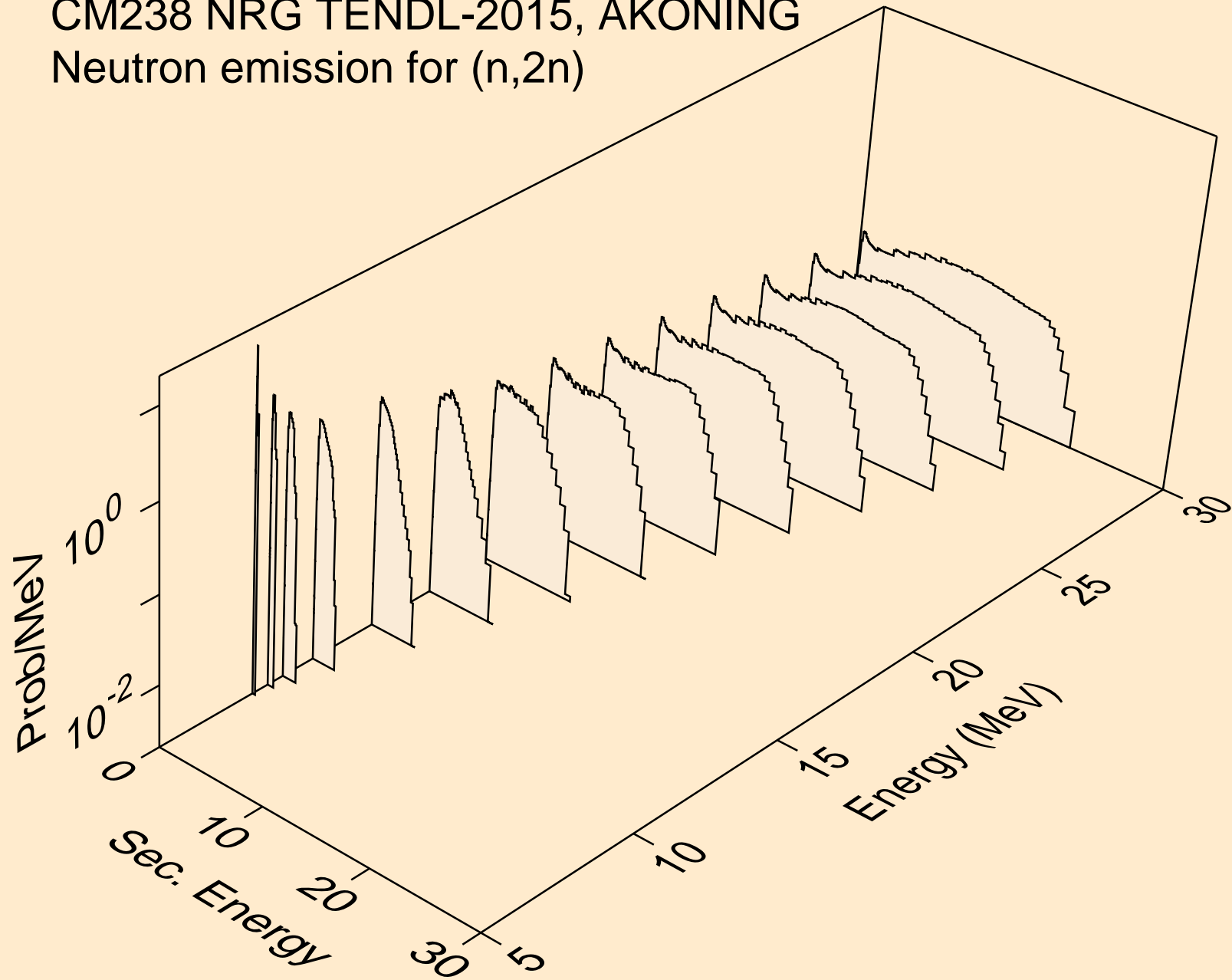
CM238 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



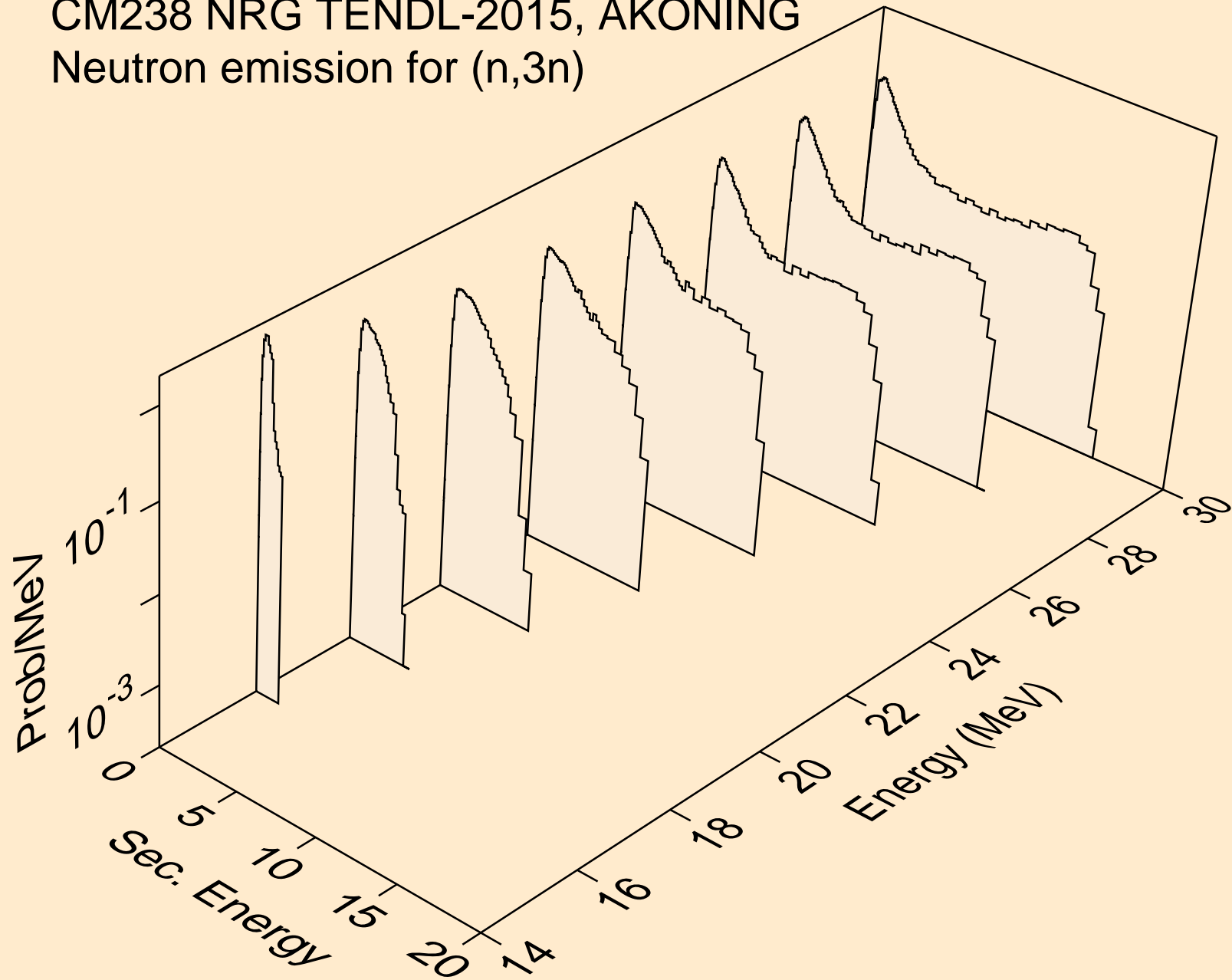
CM238 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



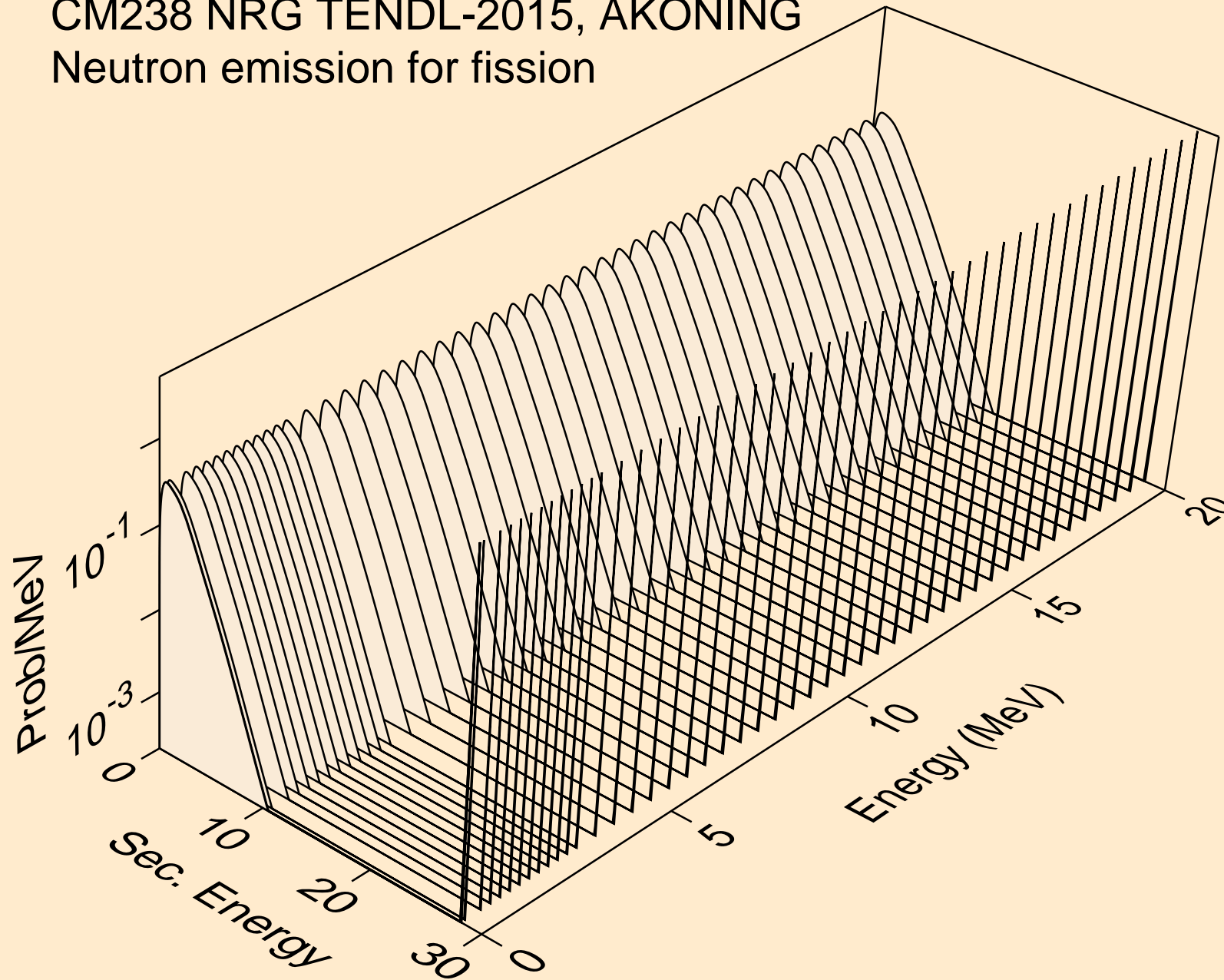
CM238 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



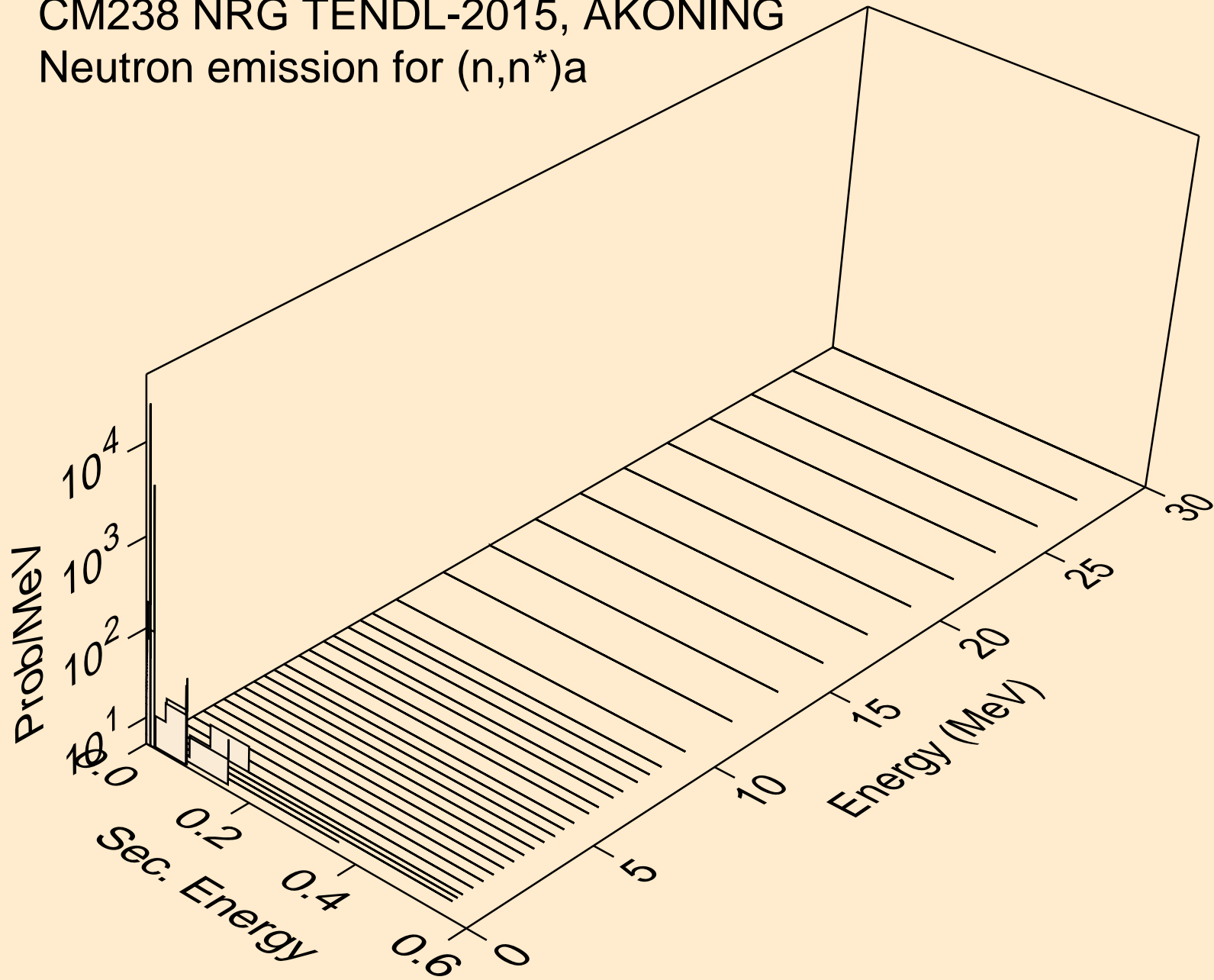
CM238 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



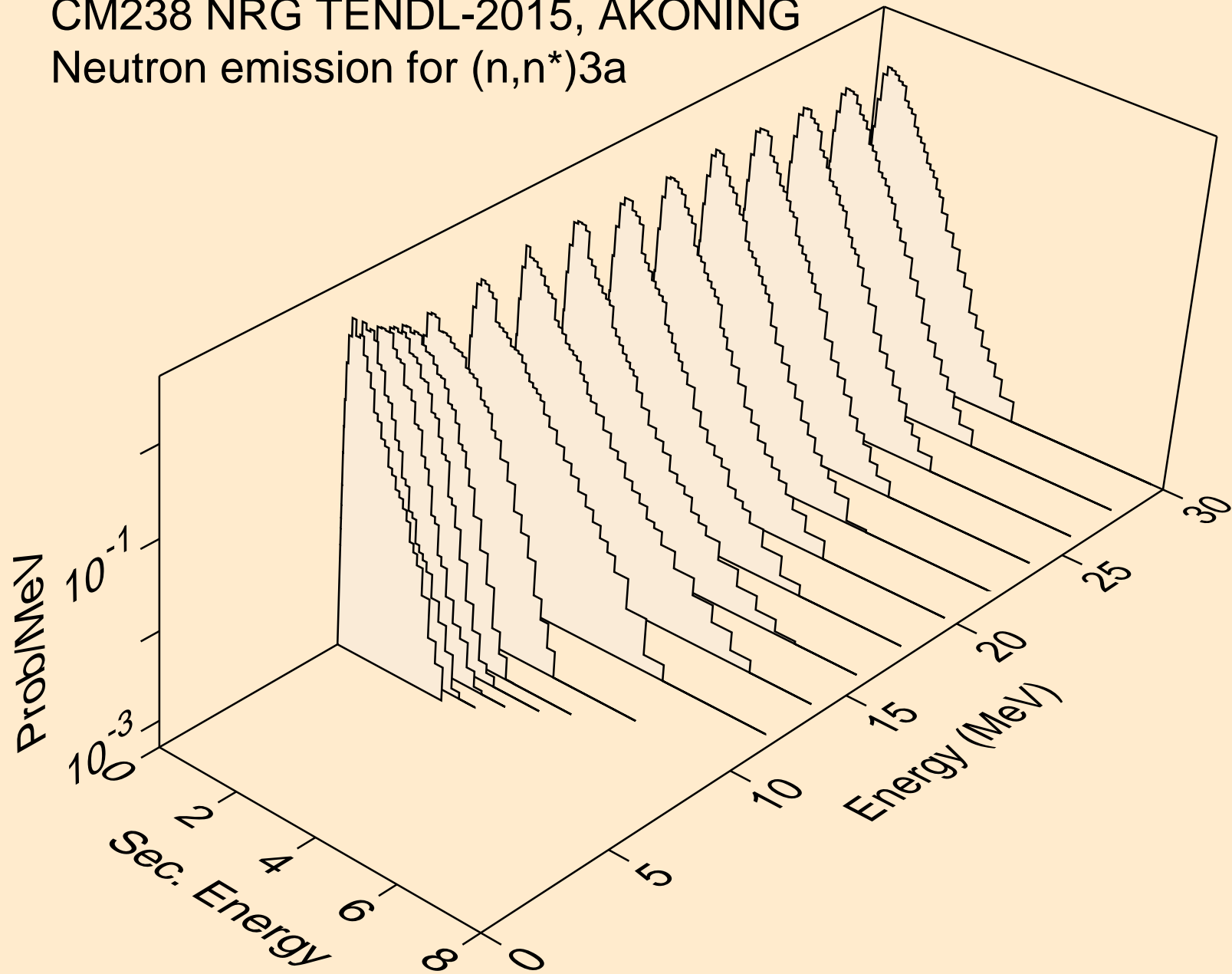
CM238 NRG TENDL-2015, AKONING  
Neutron emission for fission



CM238 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a

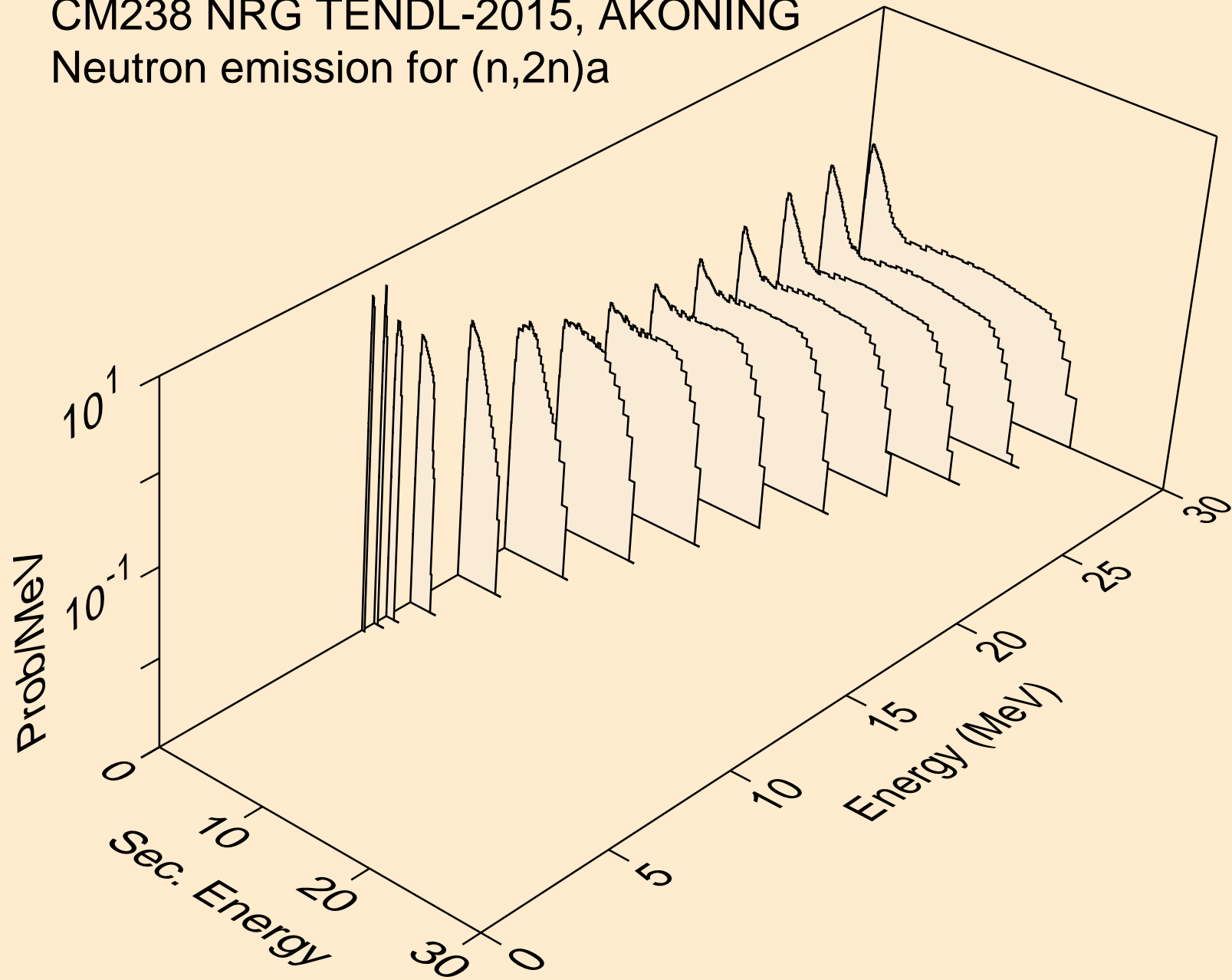


CM238 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)3a

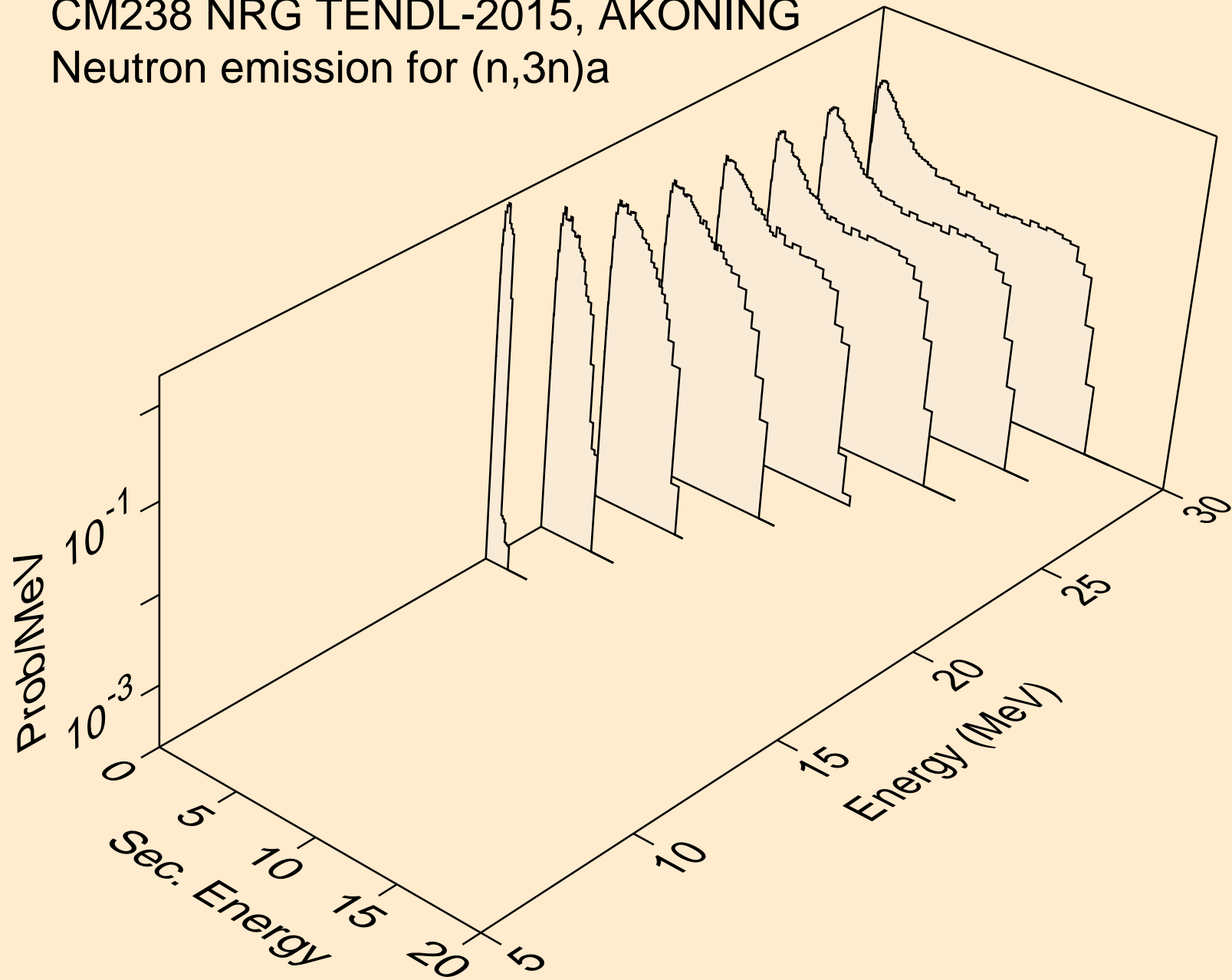




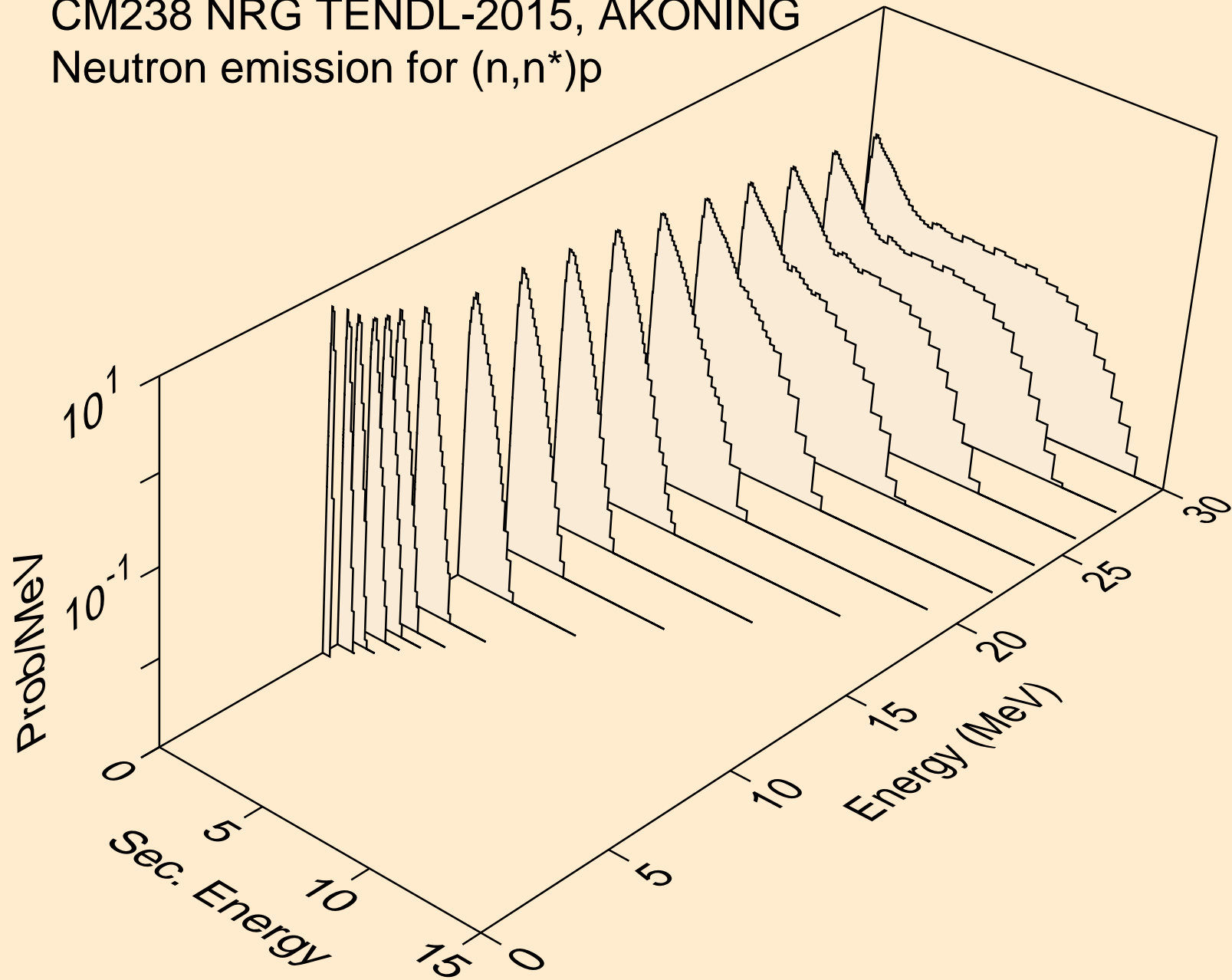
CM238 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



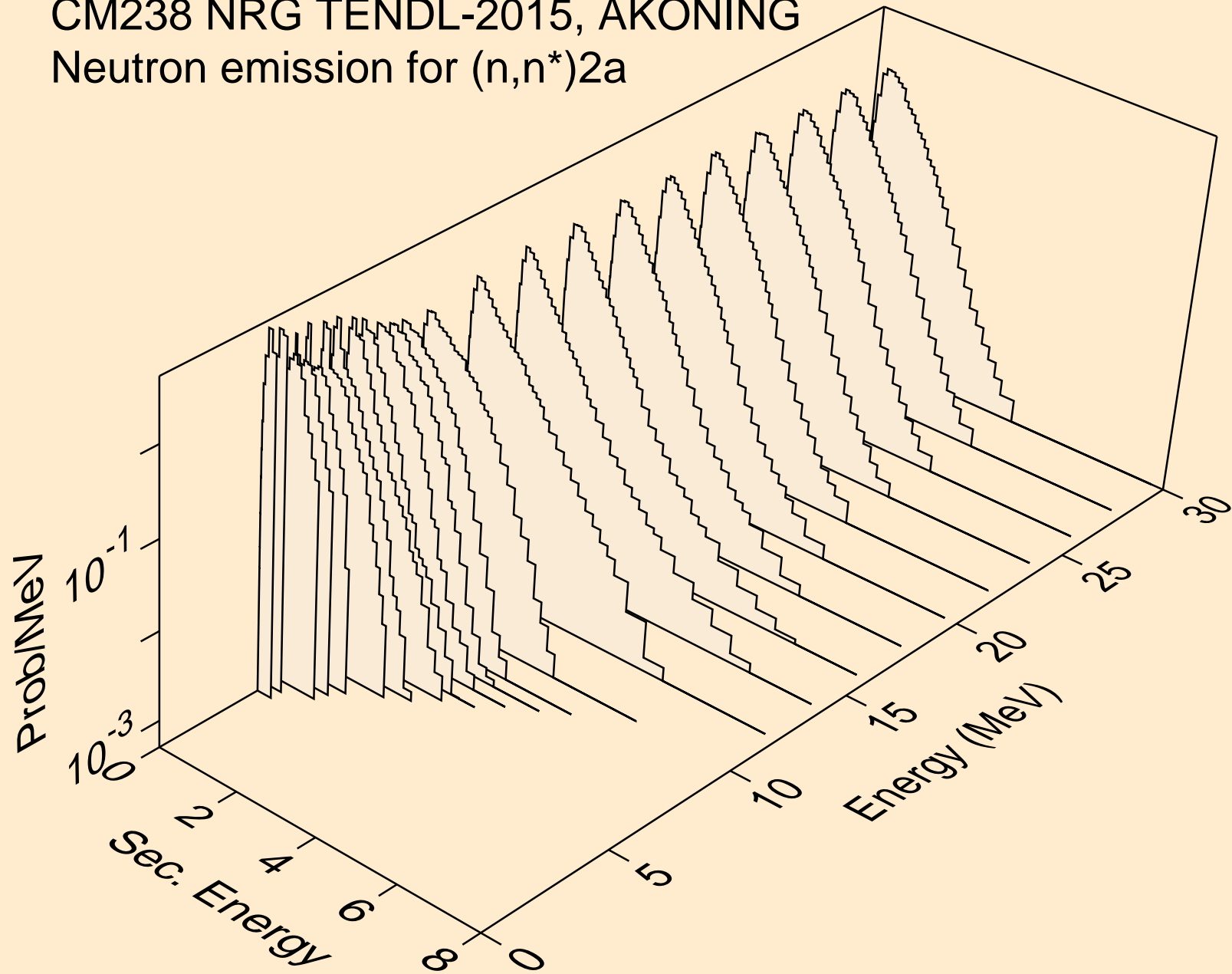
CM238 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



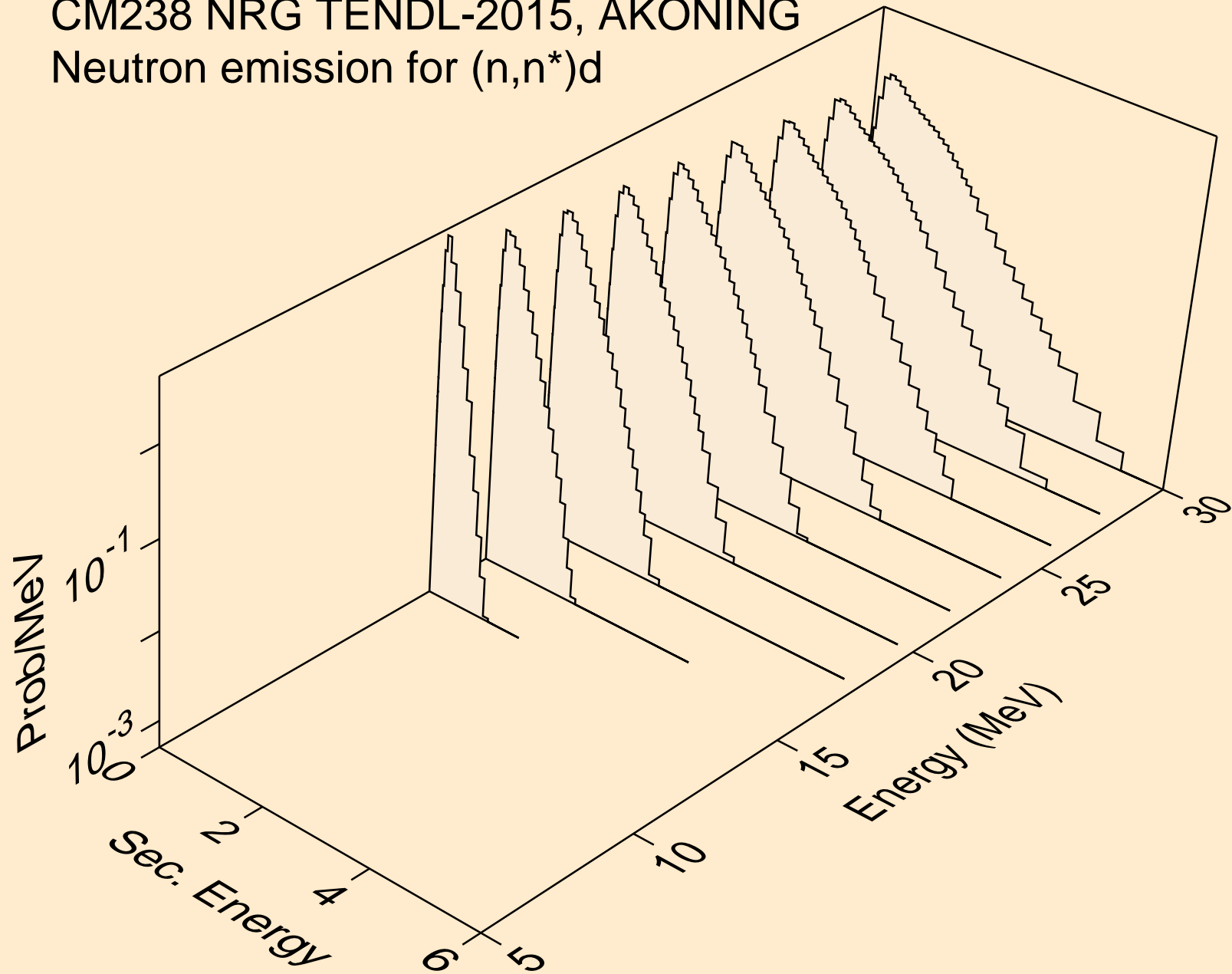
CM238 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



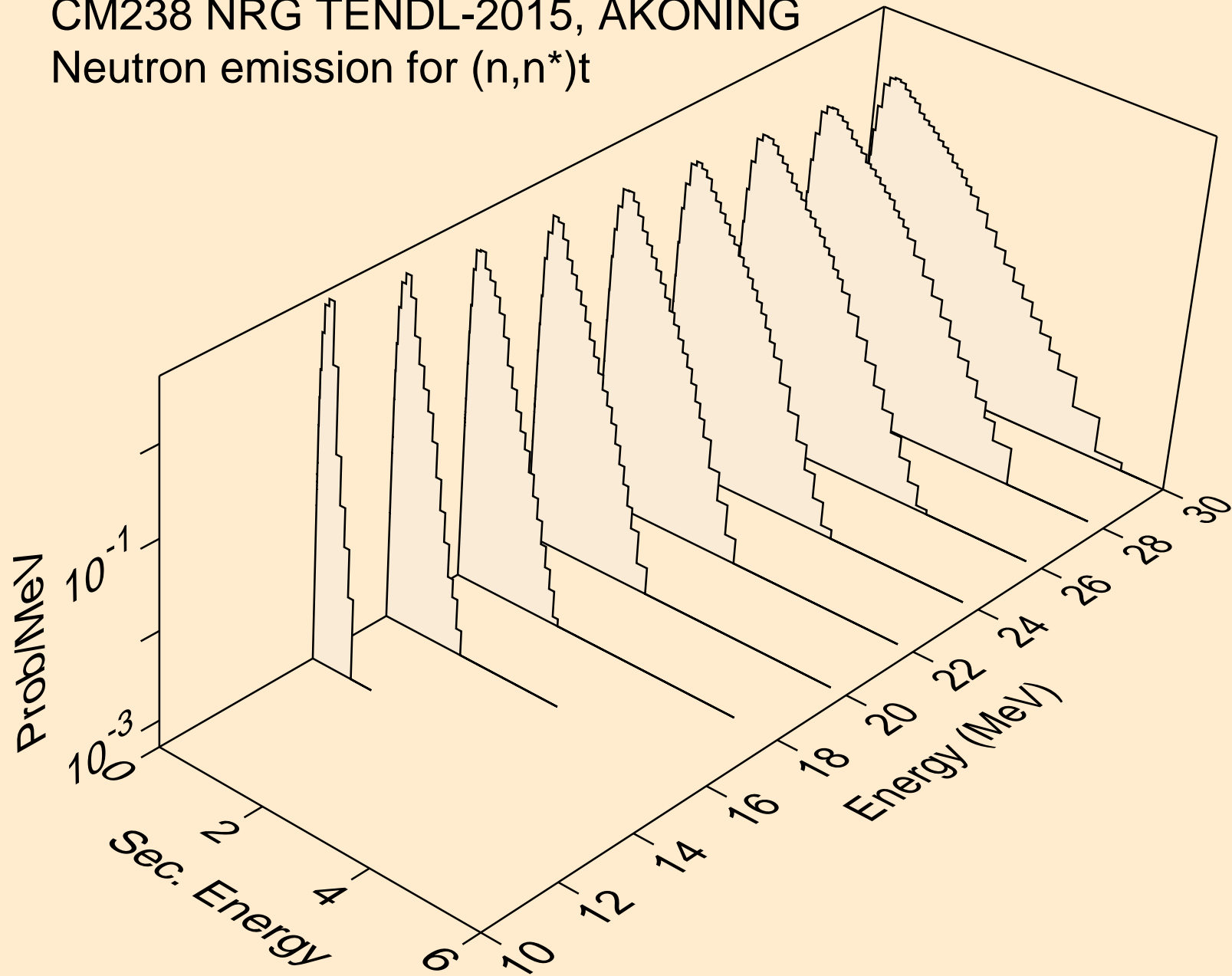
CM238 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



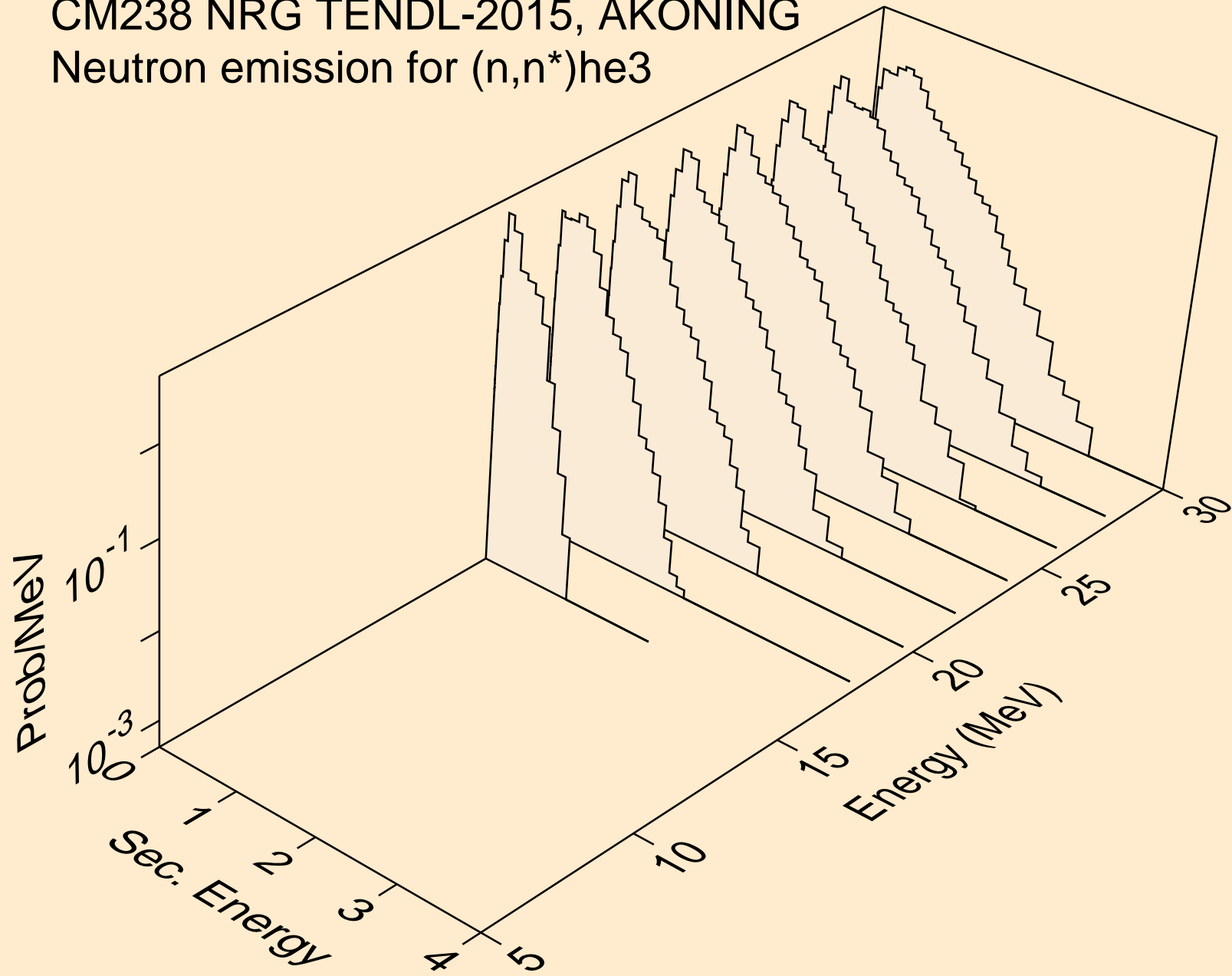
CM238 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



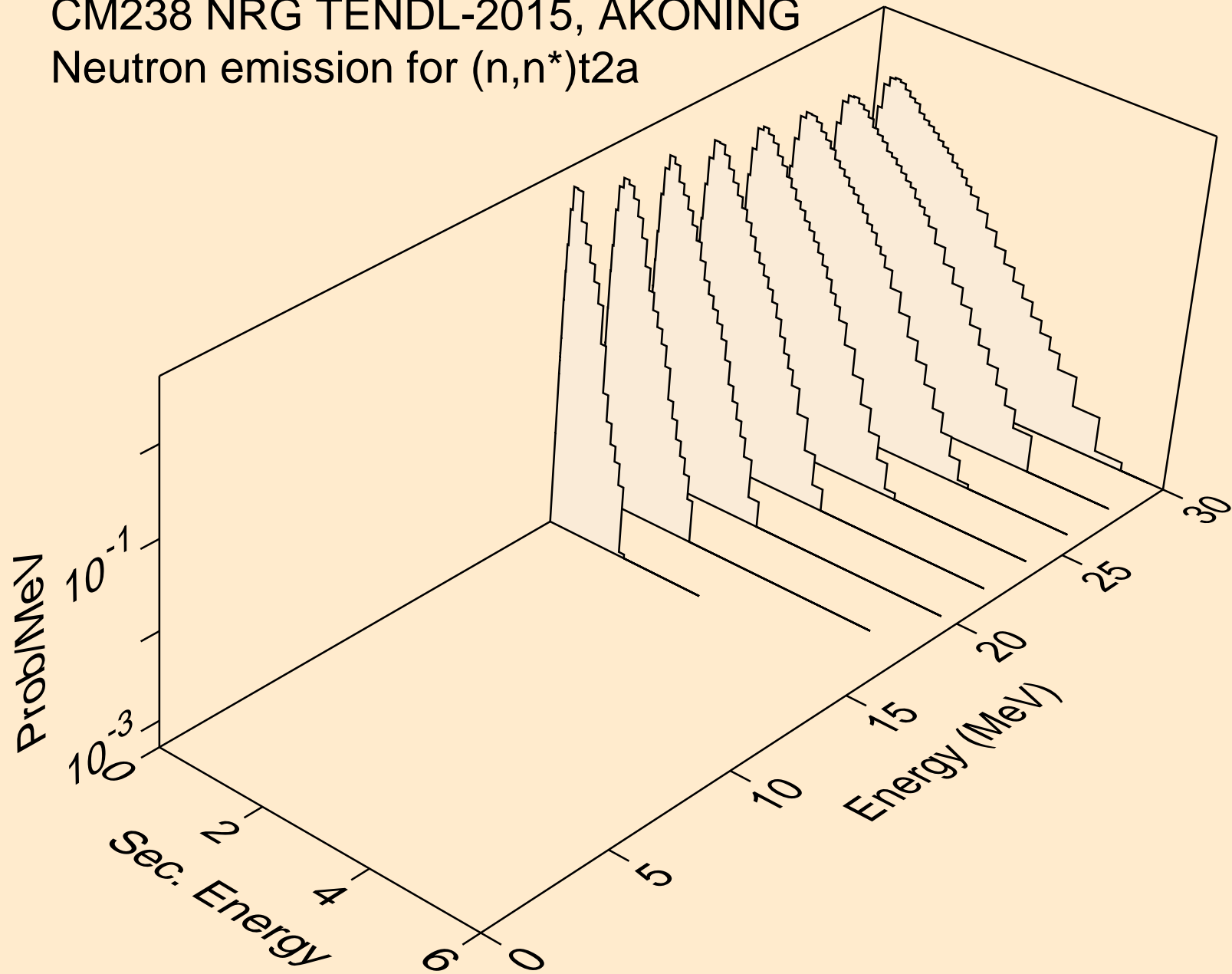
CM238 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



CM238 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3

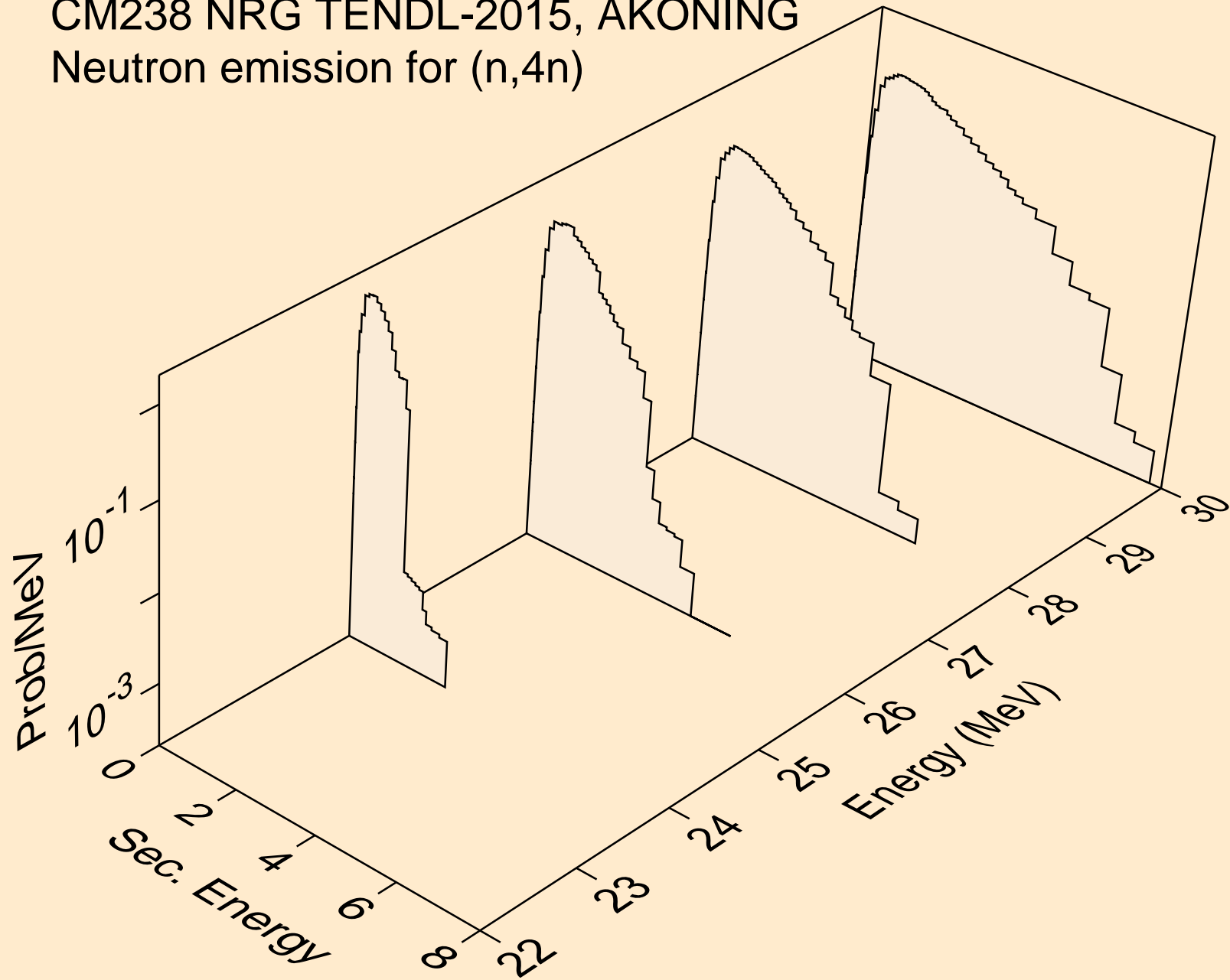


CM238 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t2a

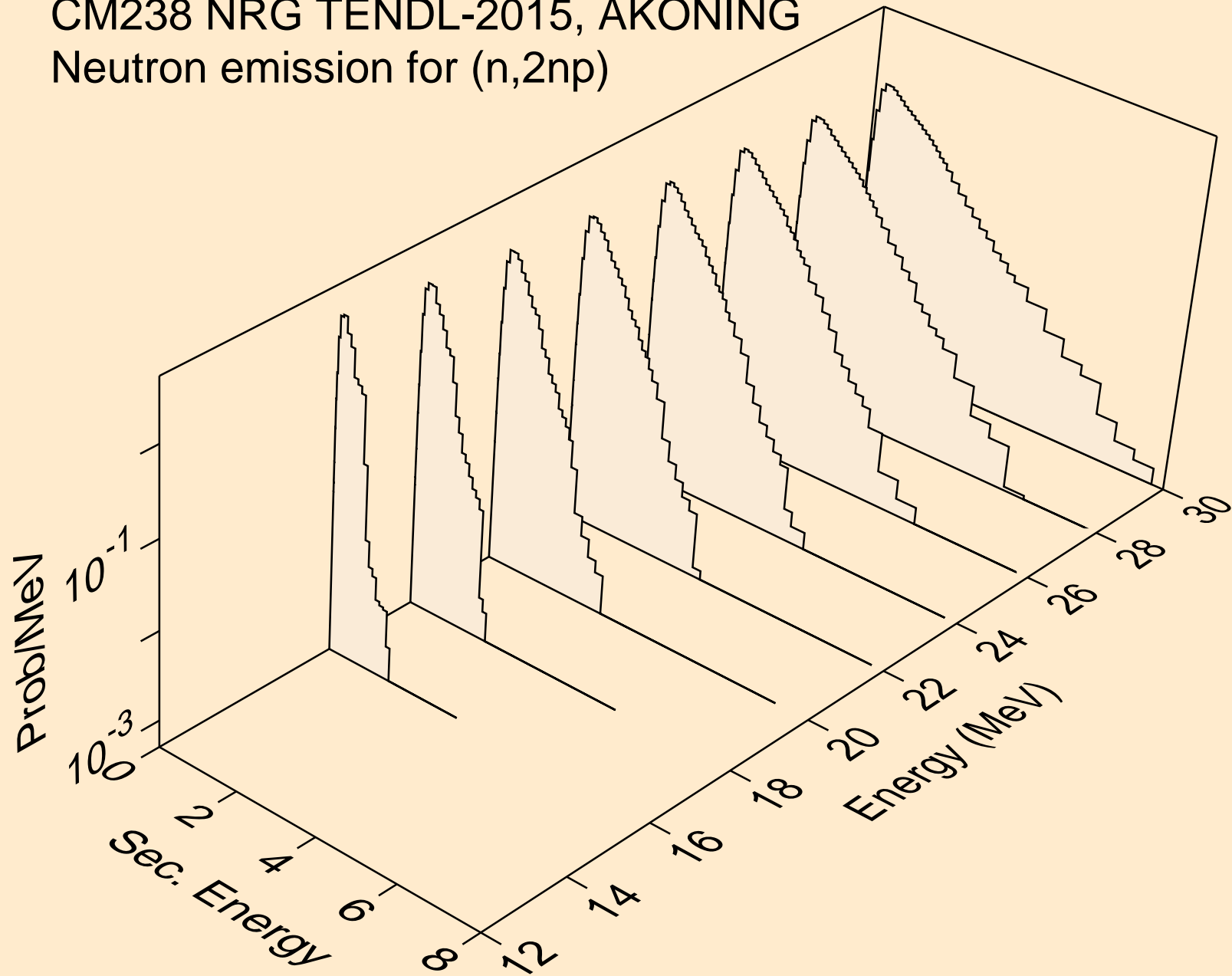




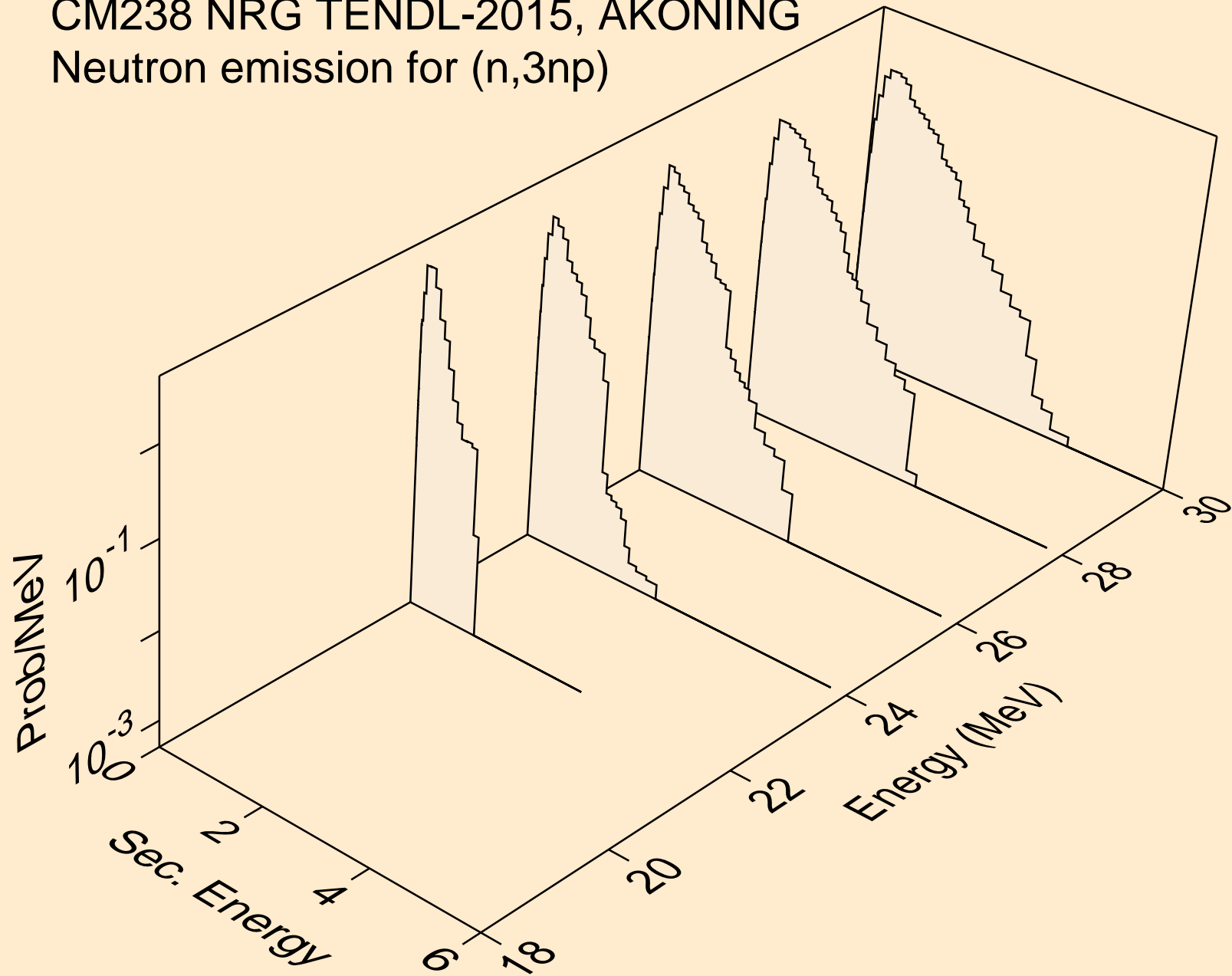
CM238 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



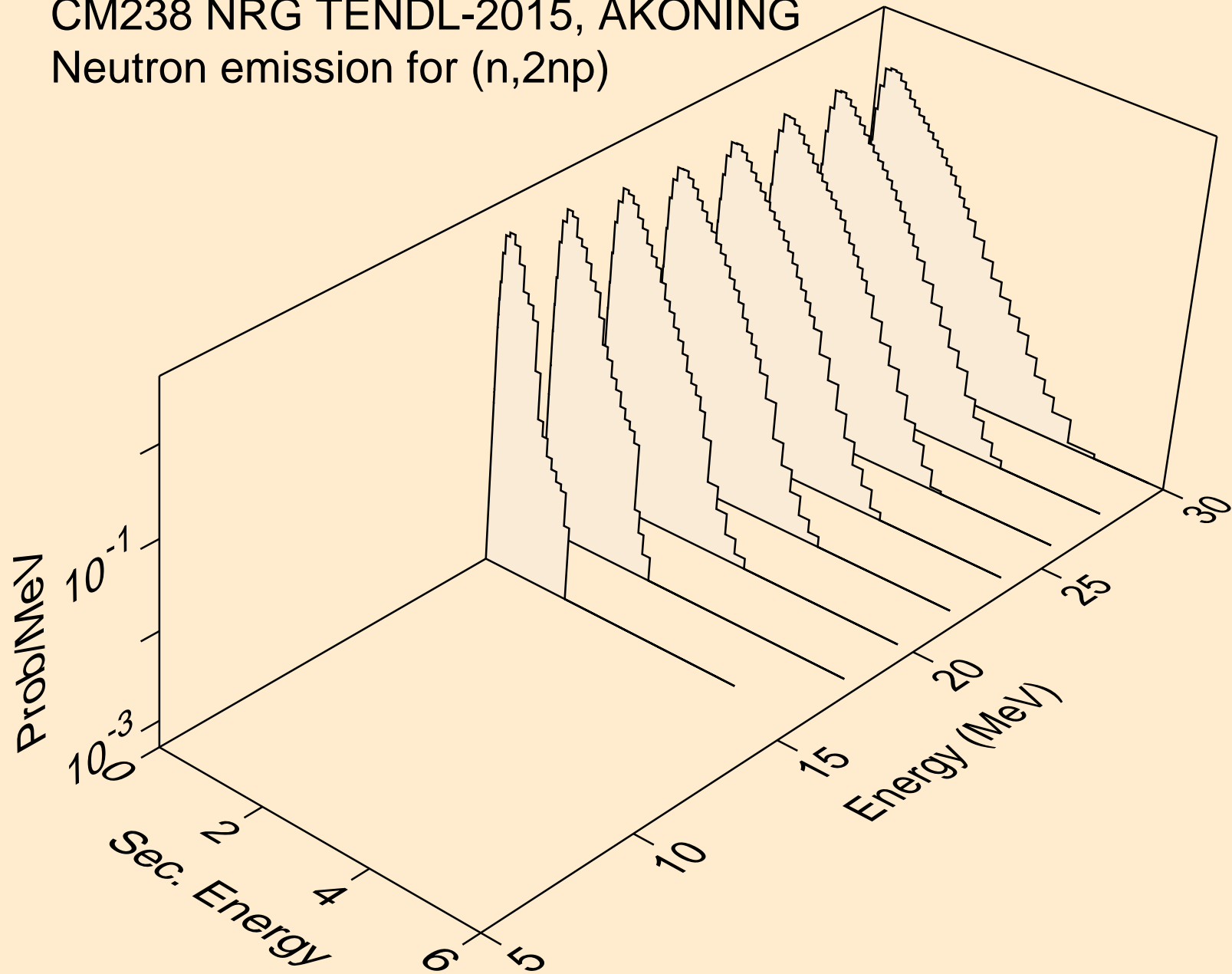
CM238 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



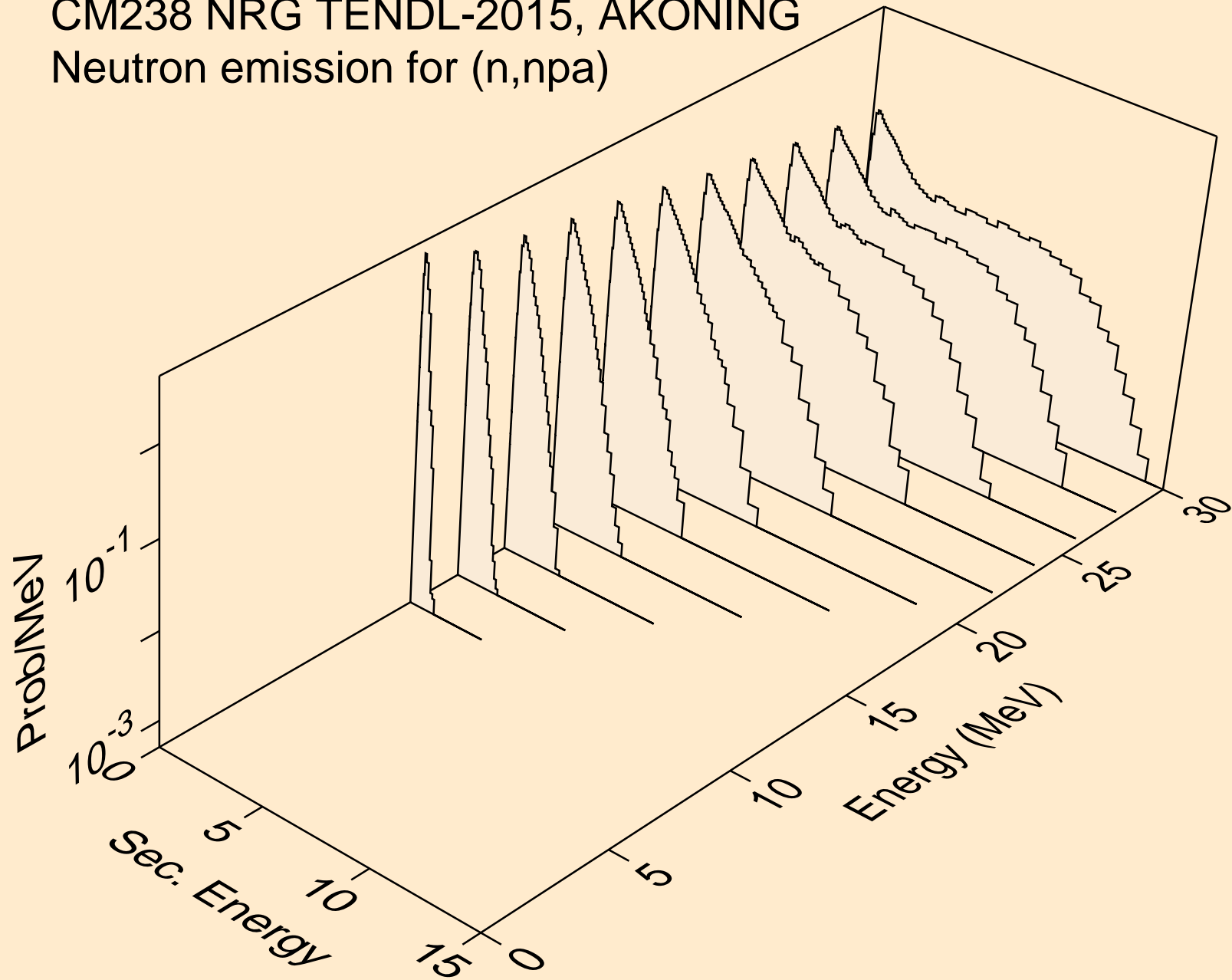
CM238 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



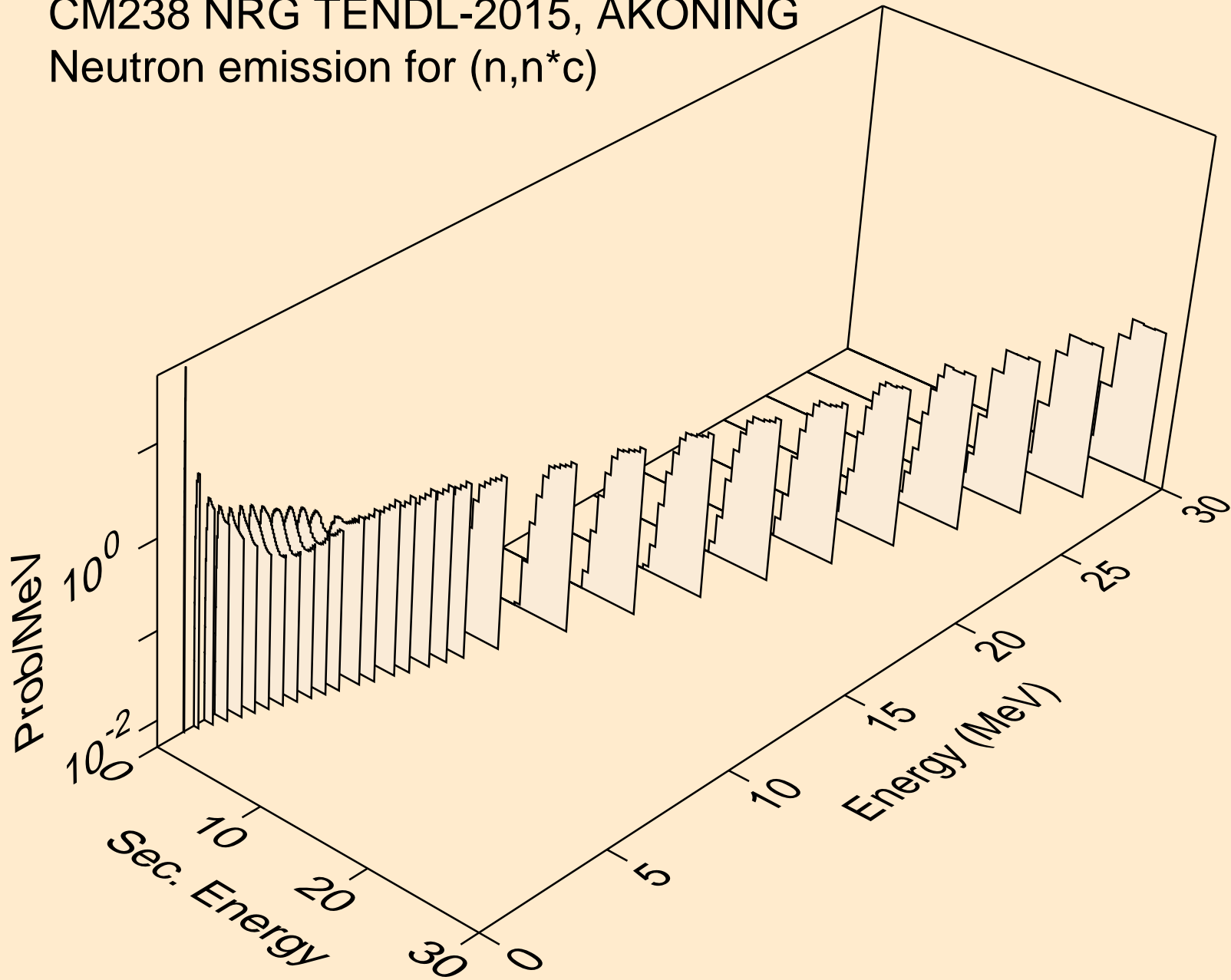
CM238 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



CM238 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)

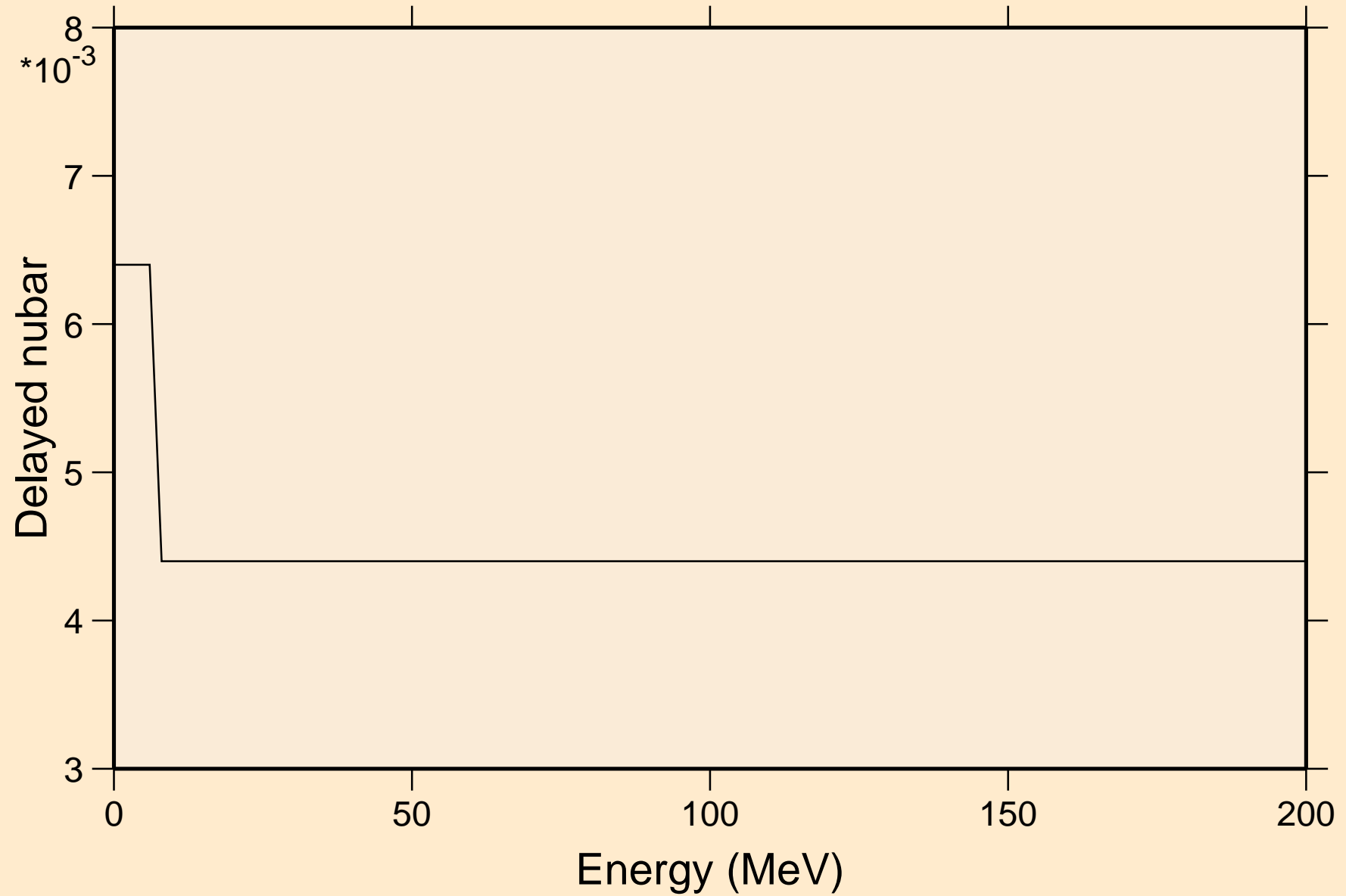


CM238 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



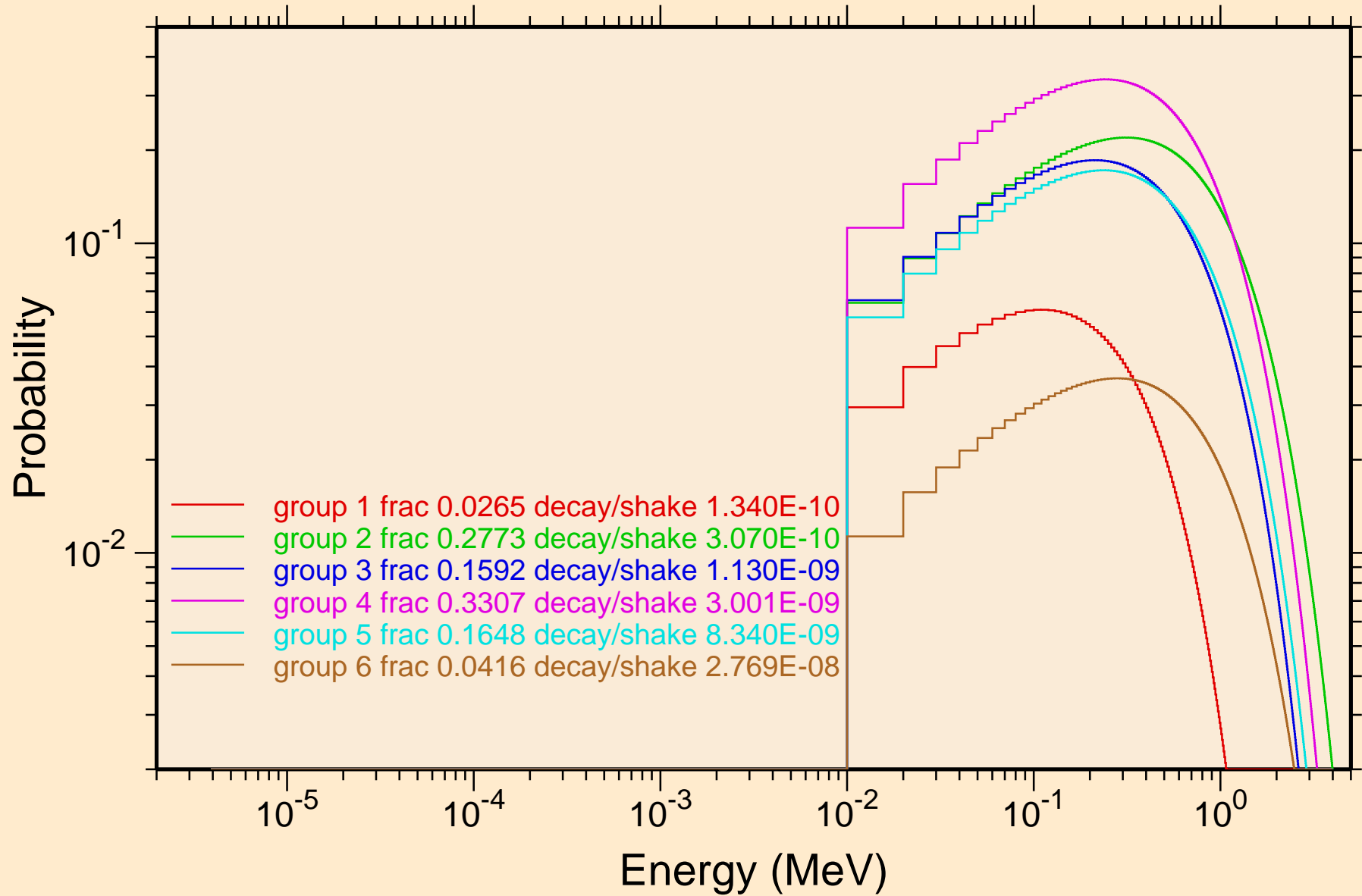
# CM238 NRG TENDL-2015, AKONING

Delayed nubar



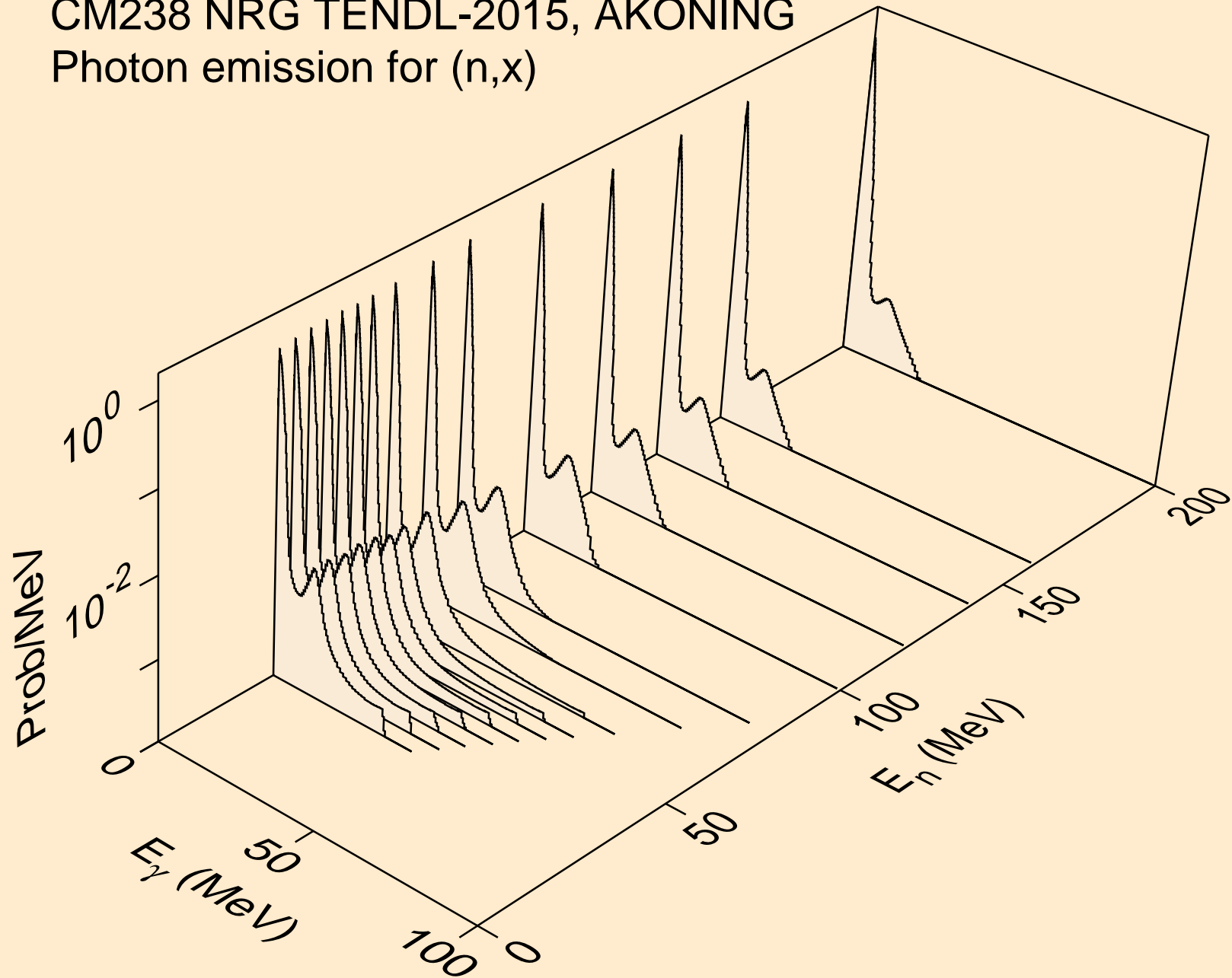
# CM238 NRG TENDL-2015, AKONING

## Delayed neutron spectra

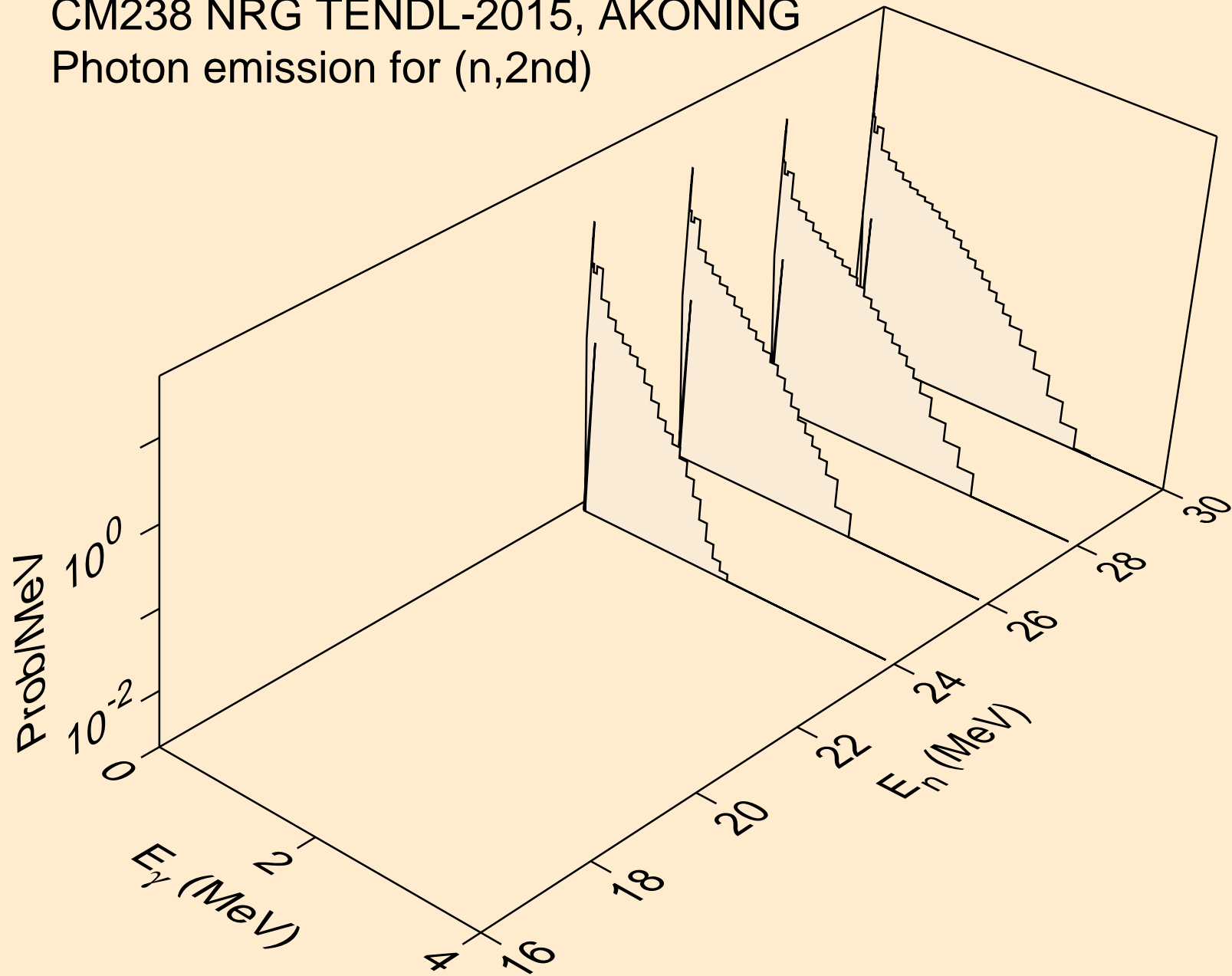




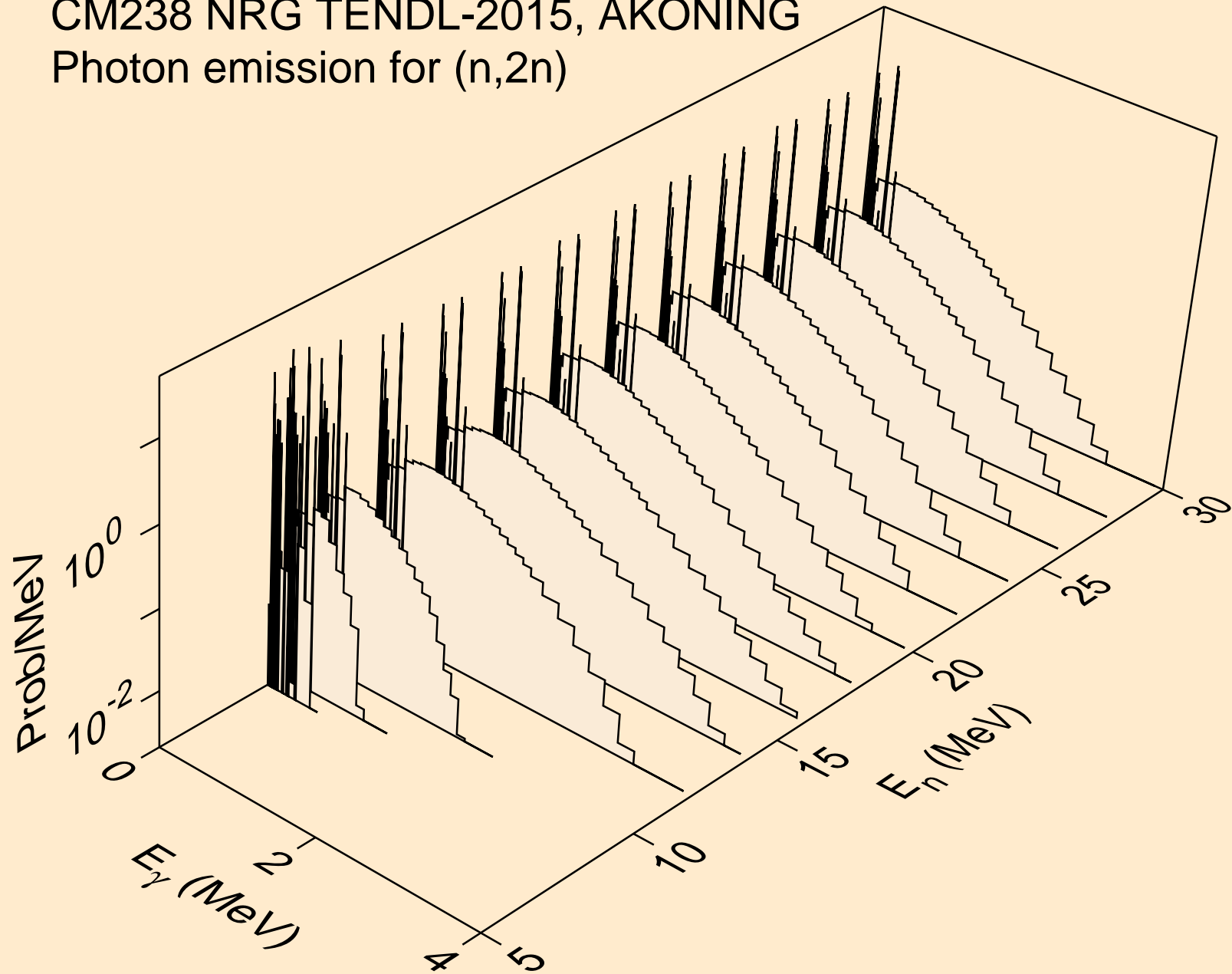
CM238 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



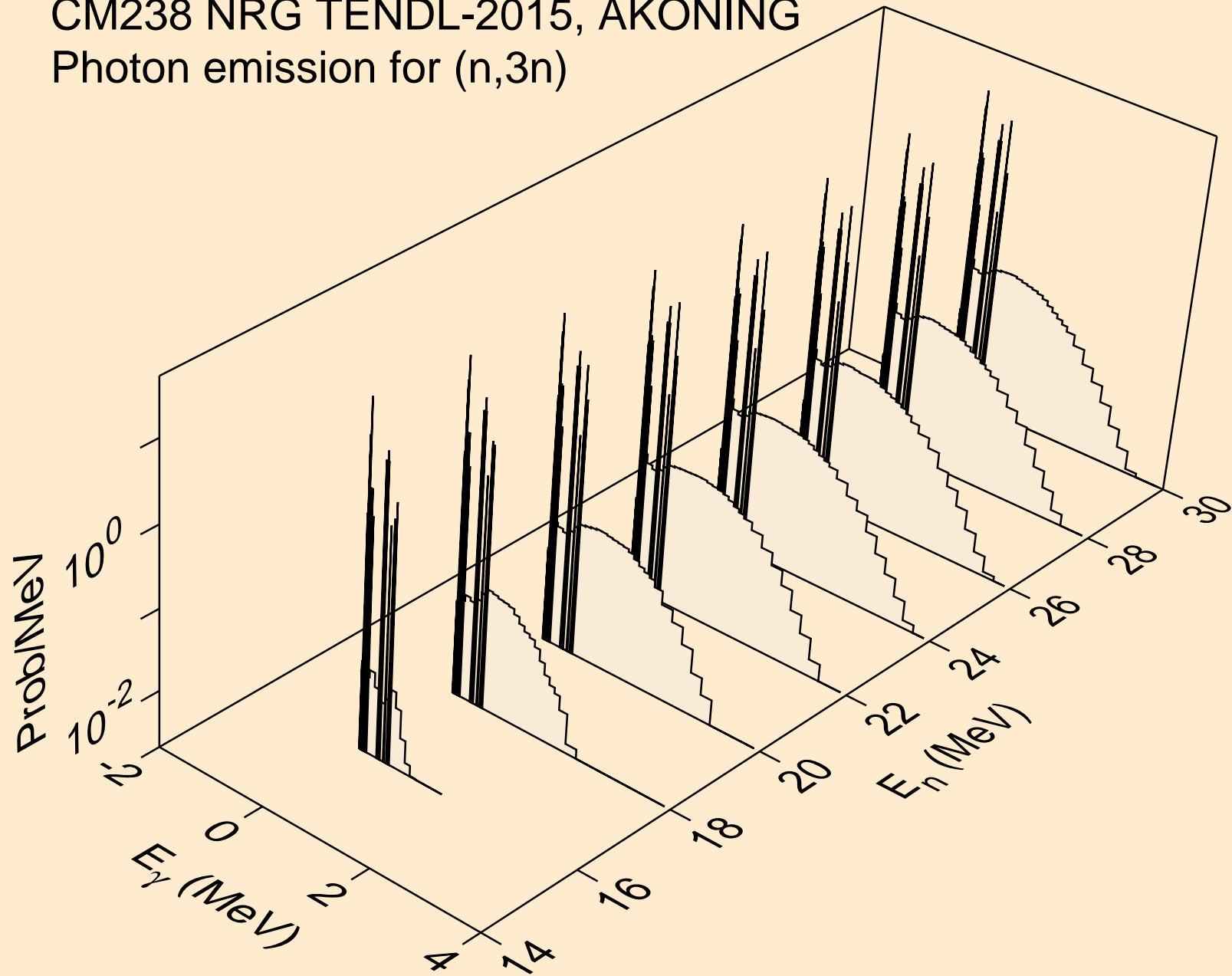
CM238 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



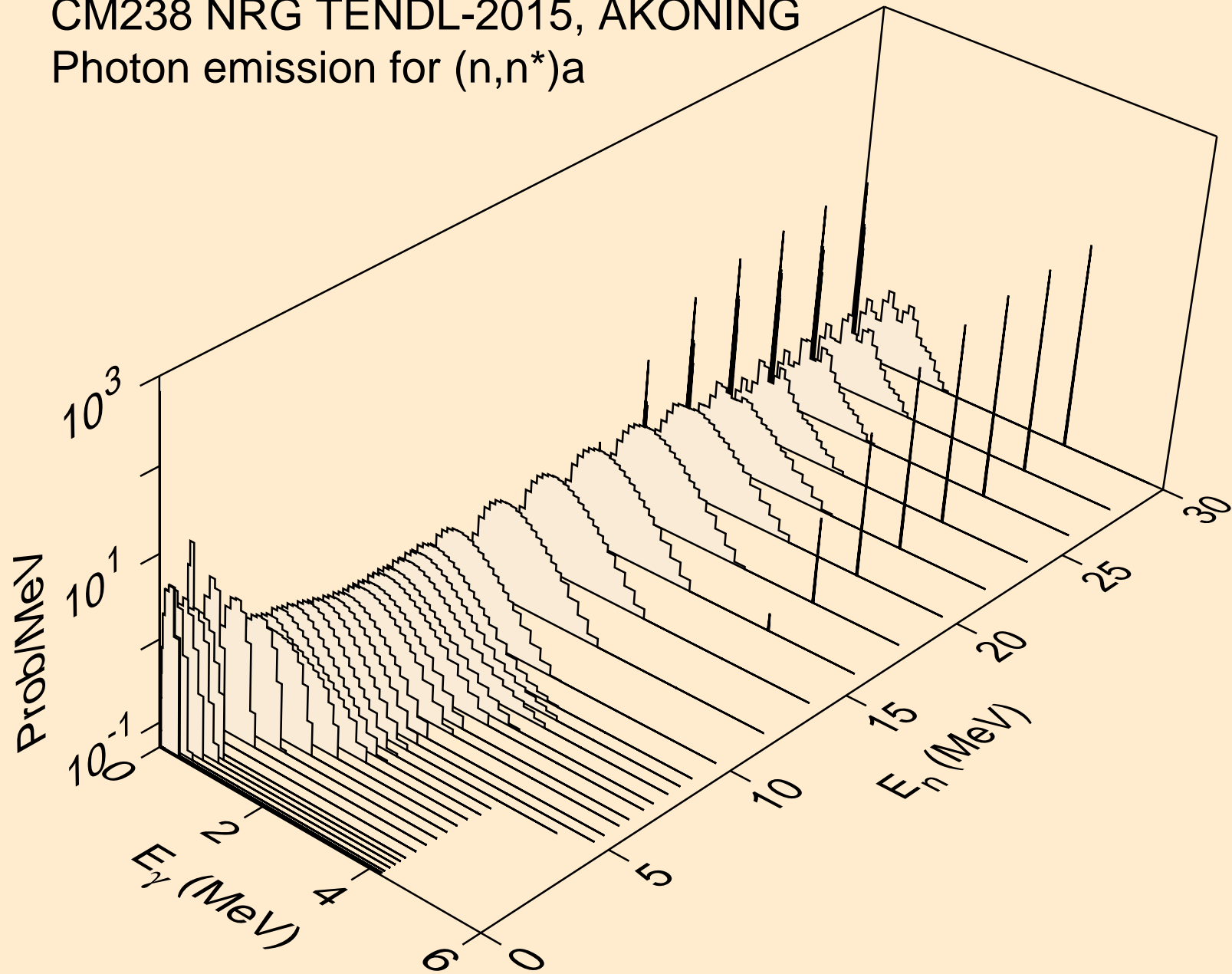
CM238 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



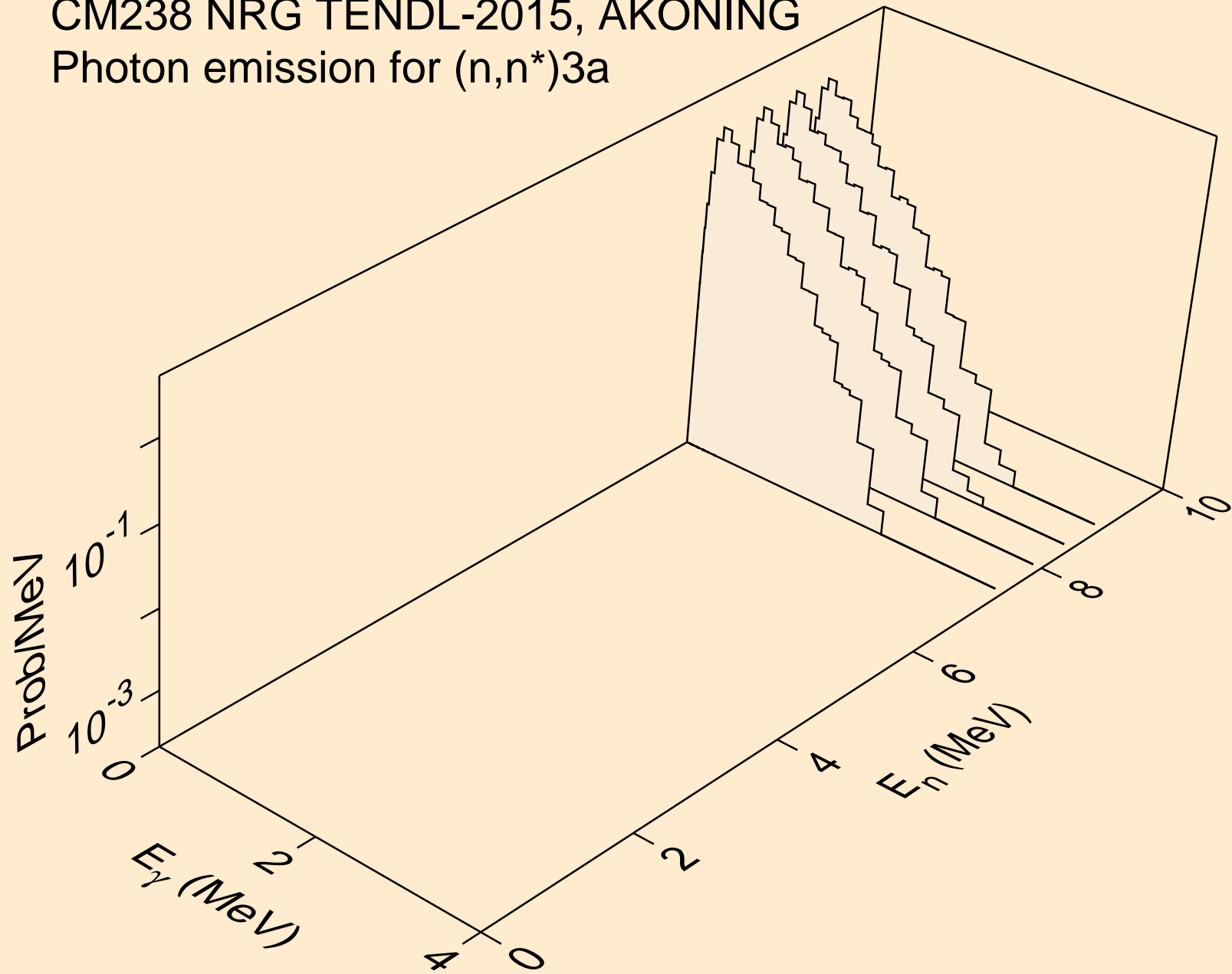
CM238 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



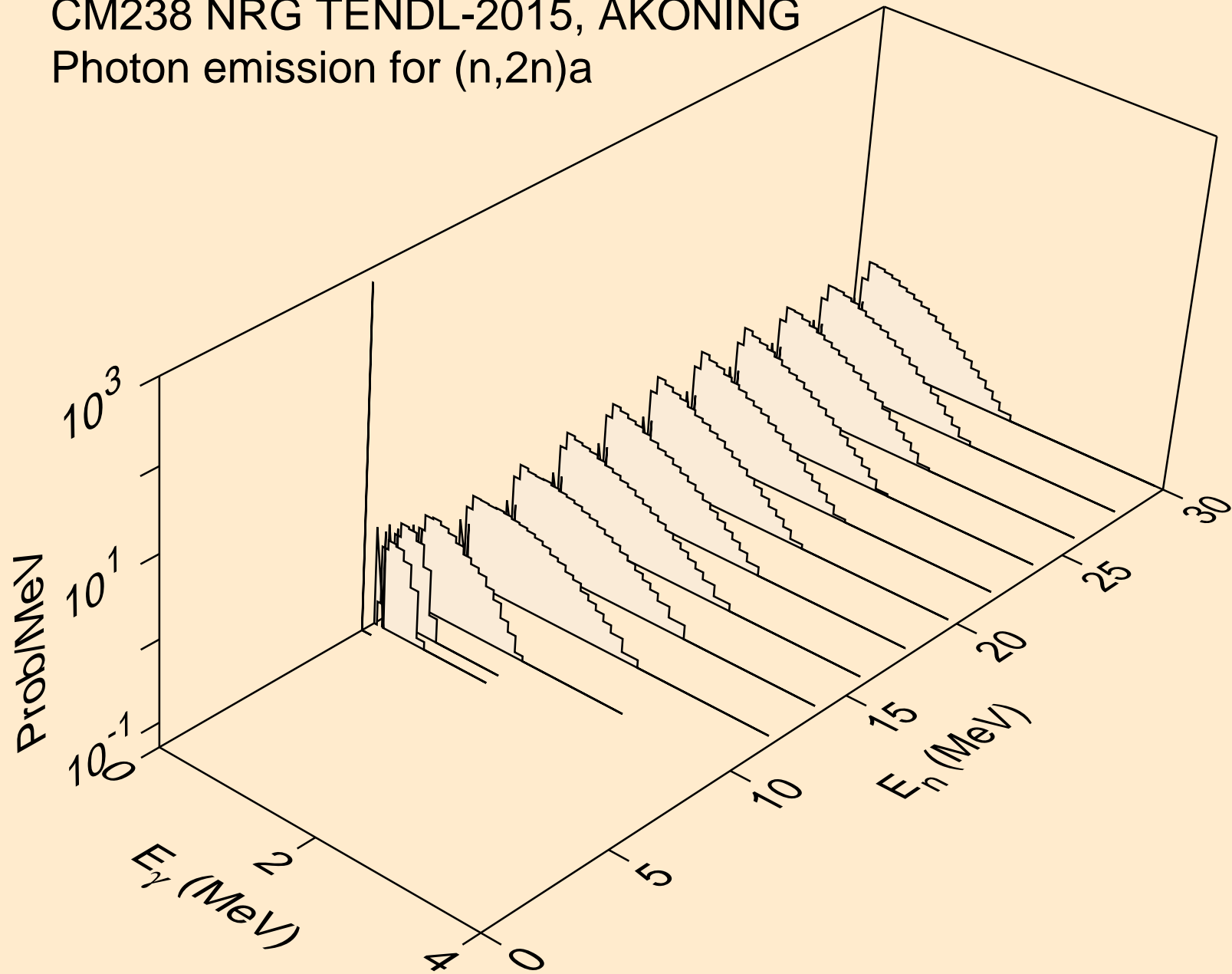
CM238 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



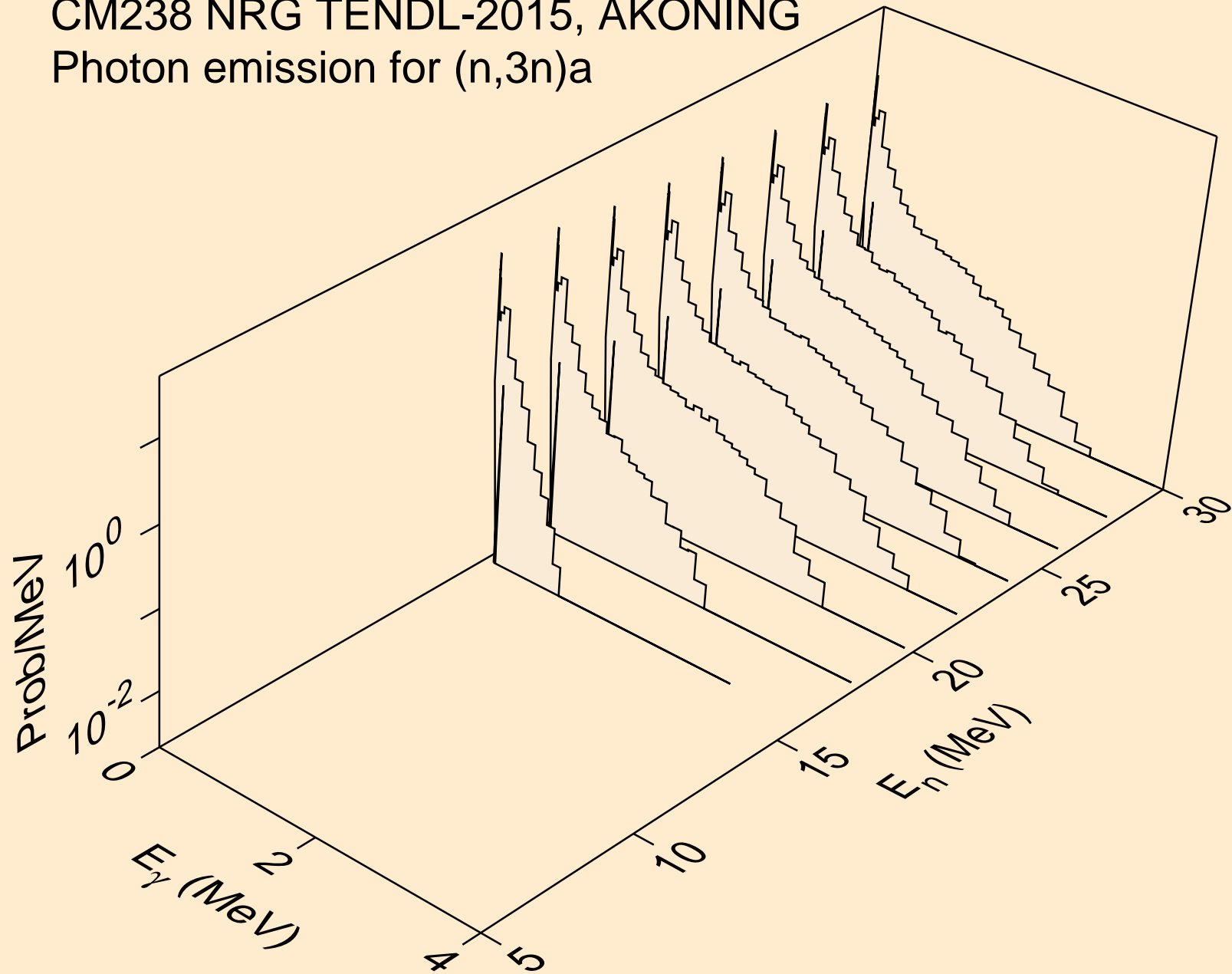
CM238 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)3a



CM238 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a

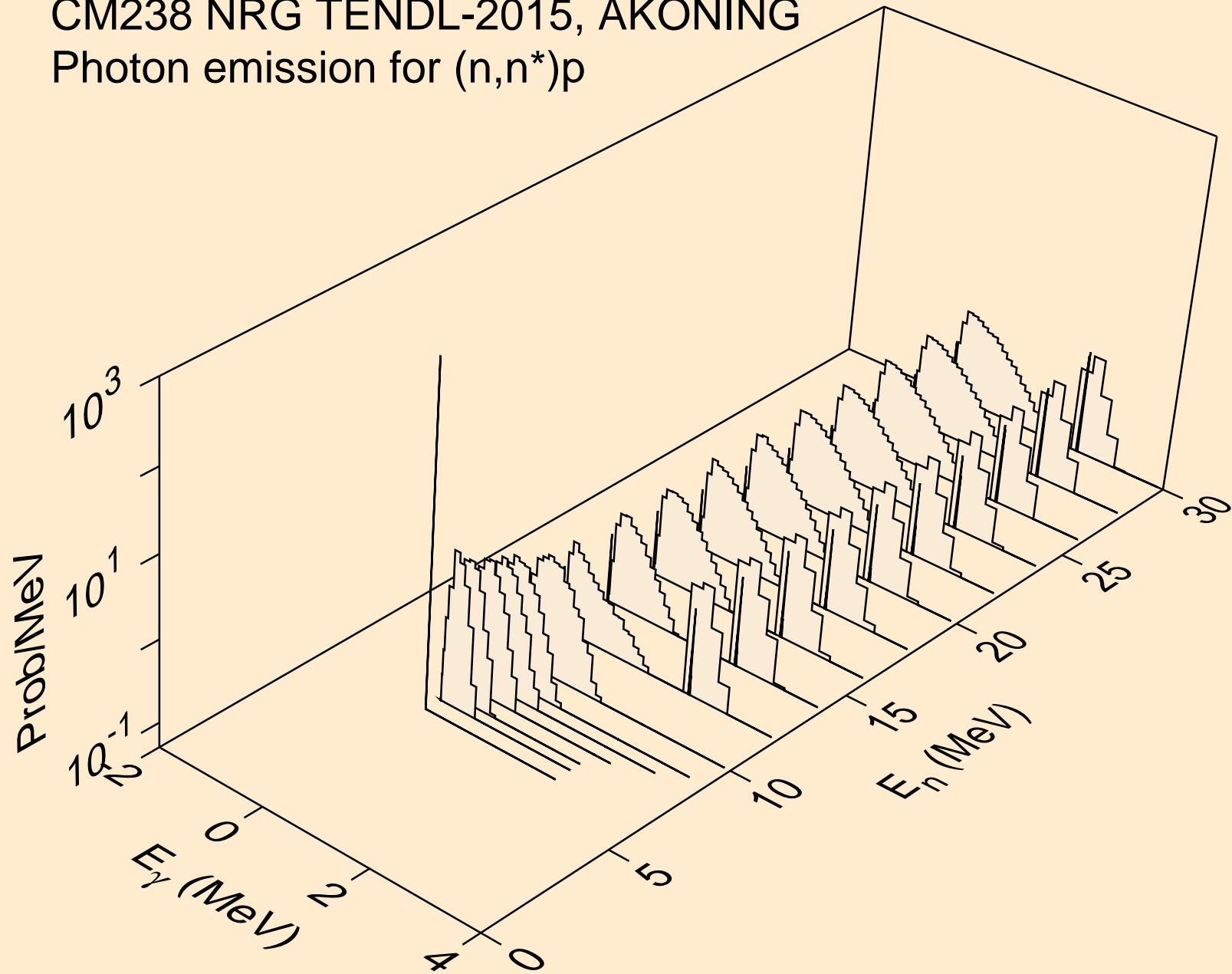


CM238 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a

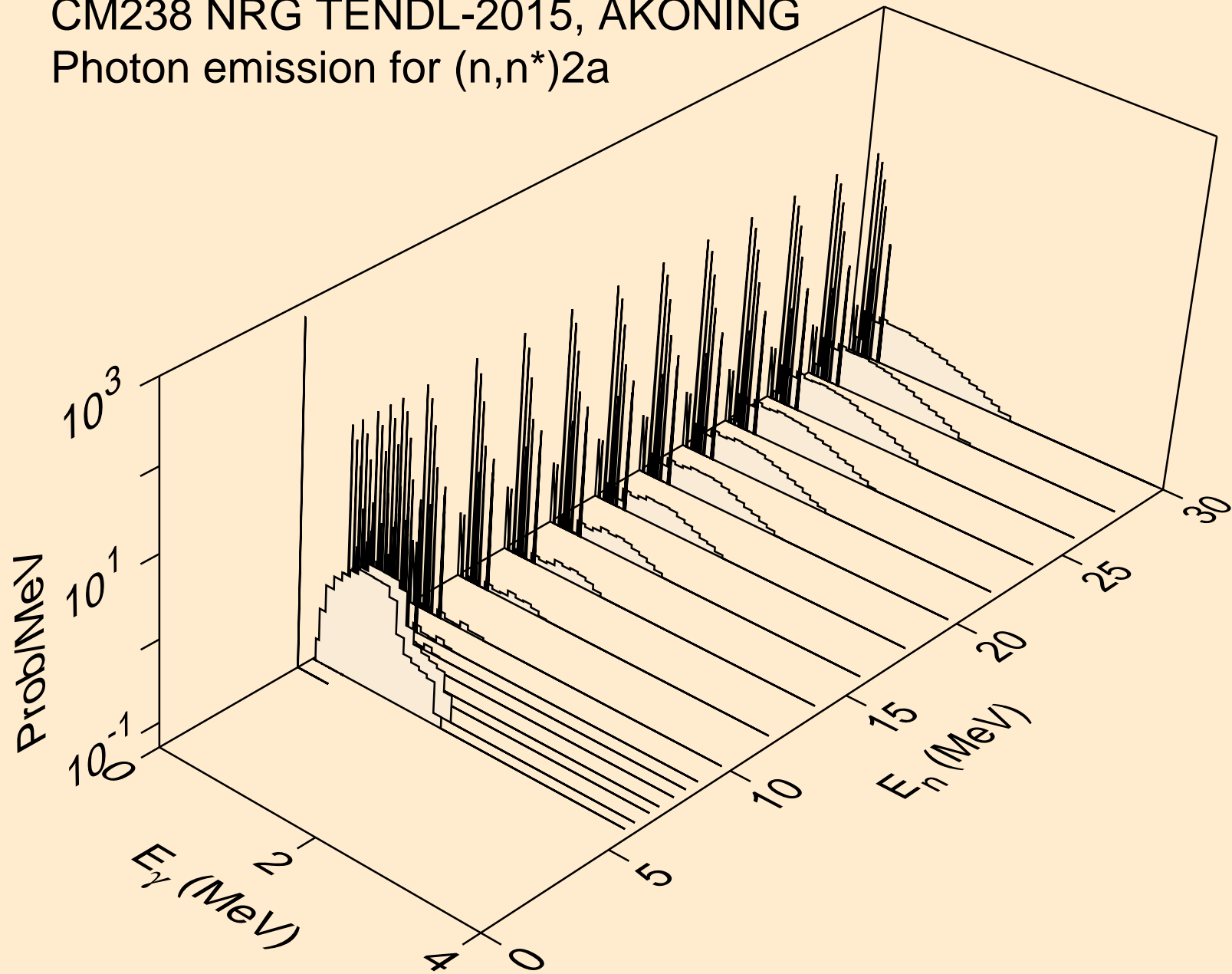




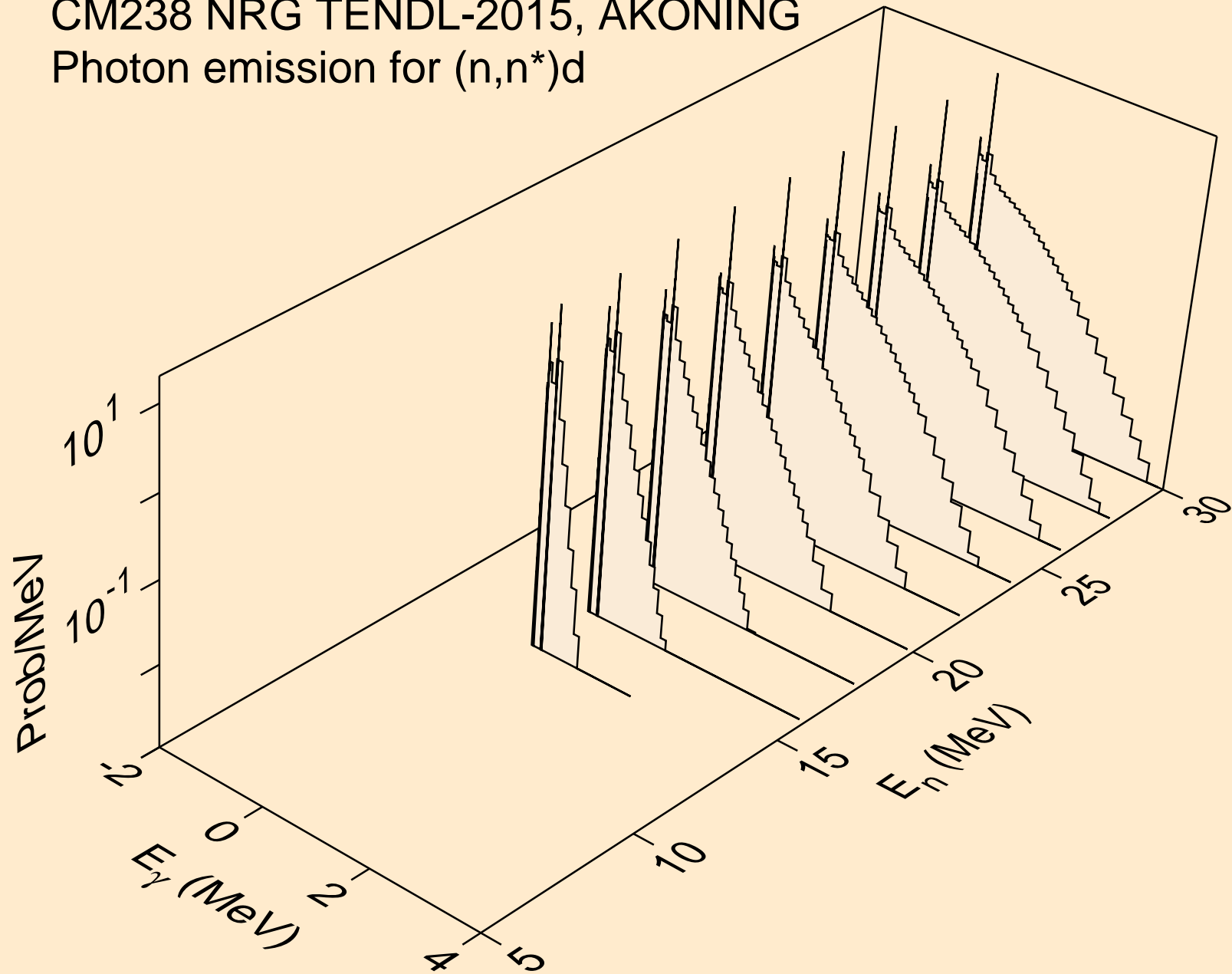
CM238 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



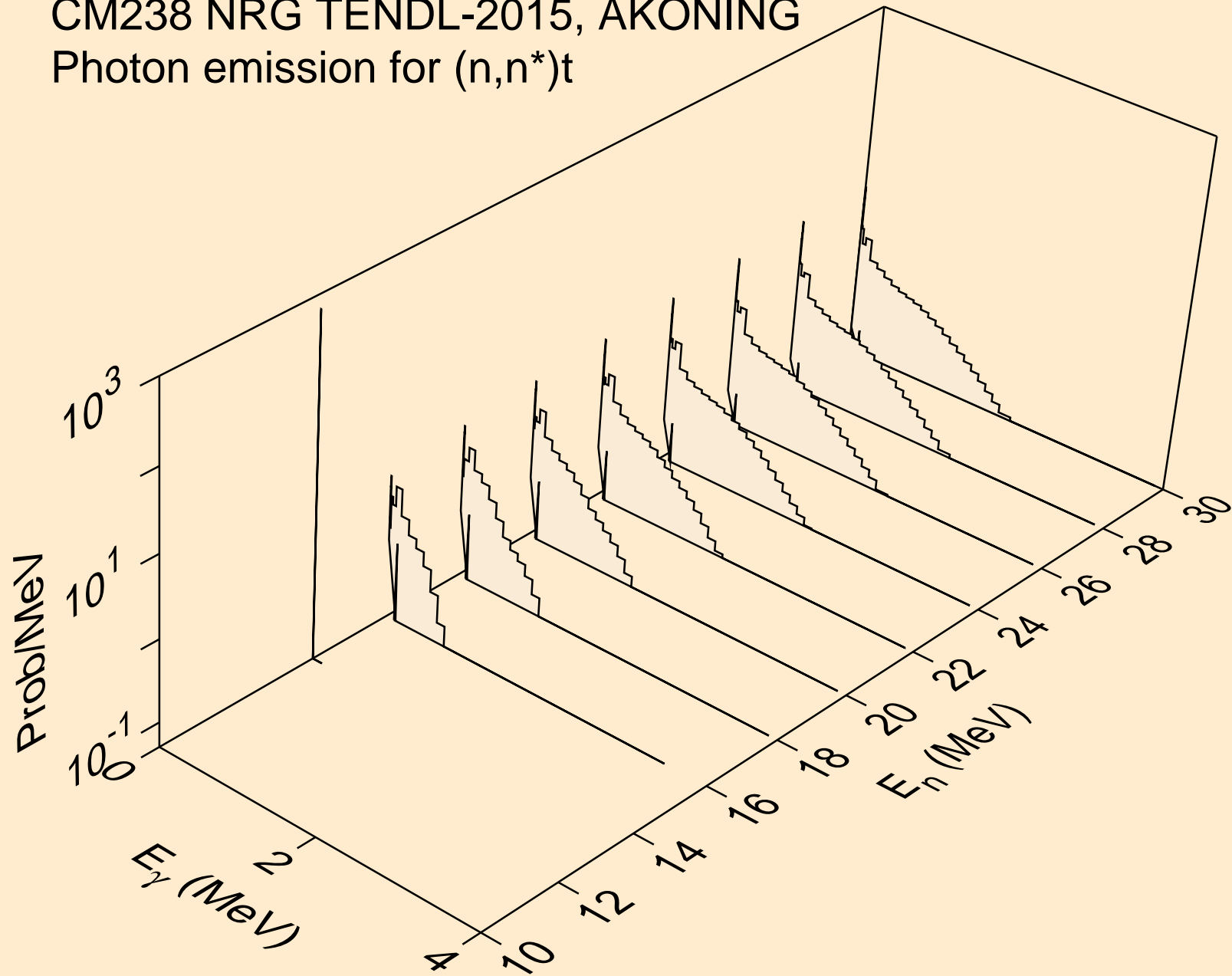
CM238 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



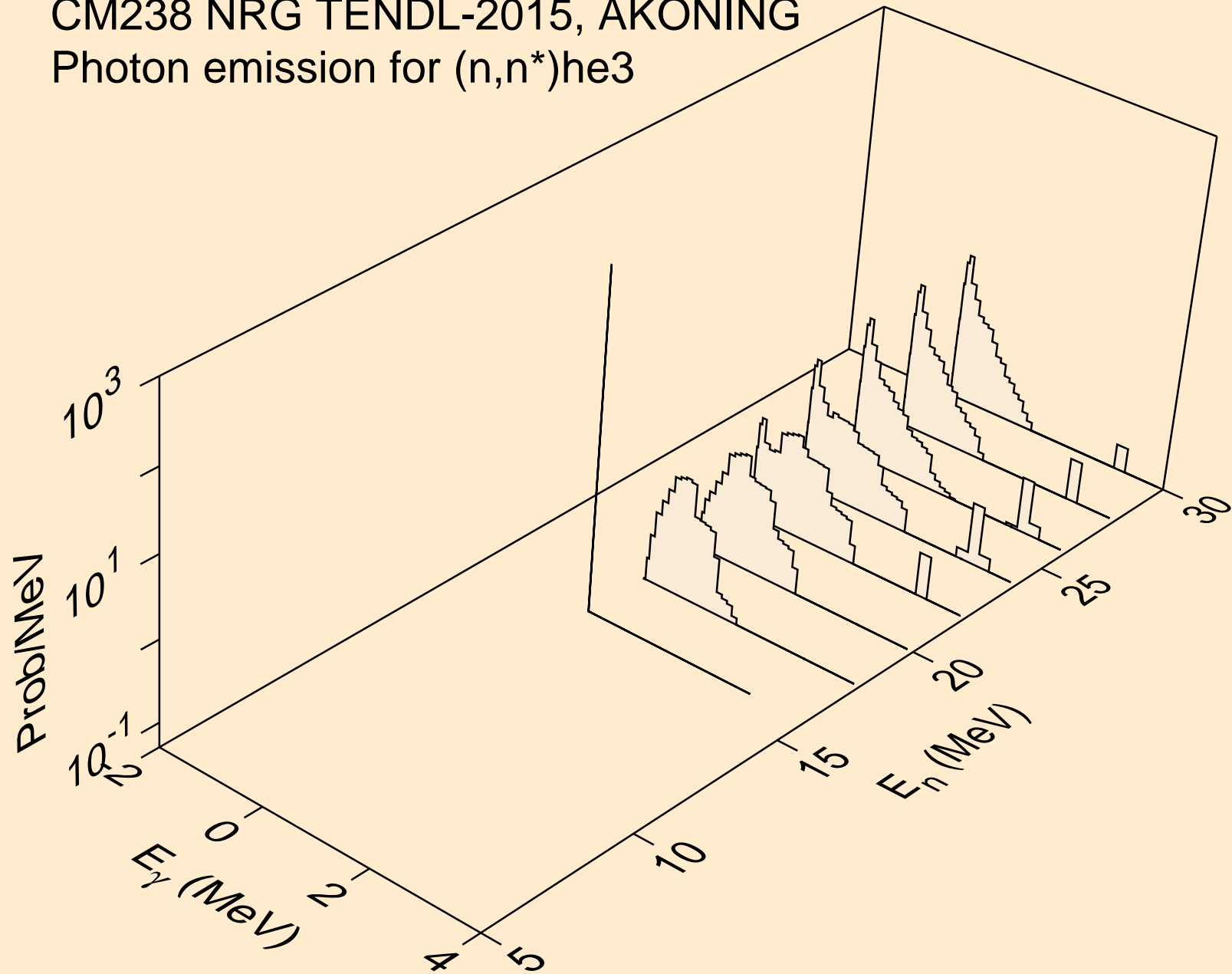
CM238 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d



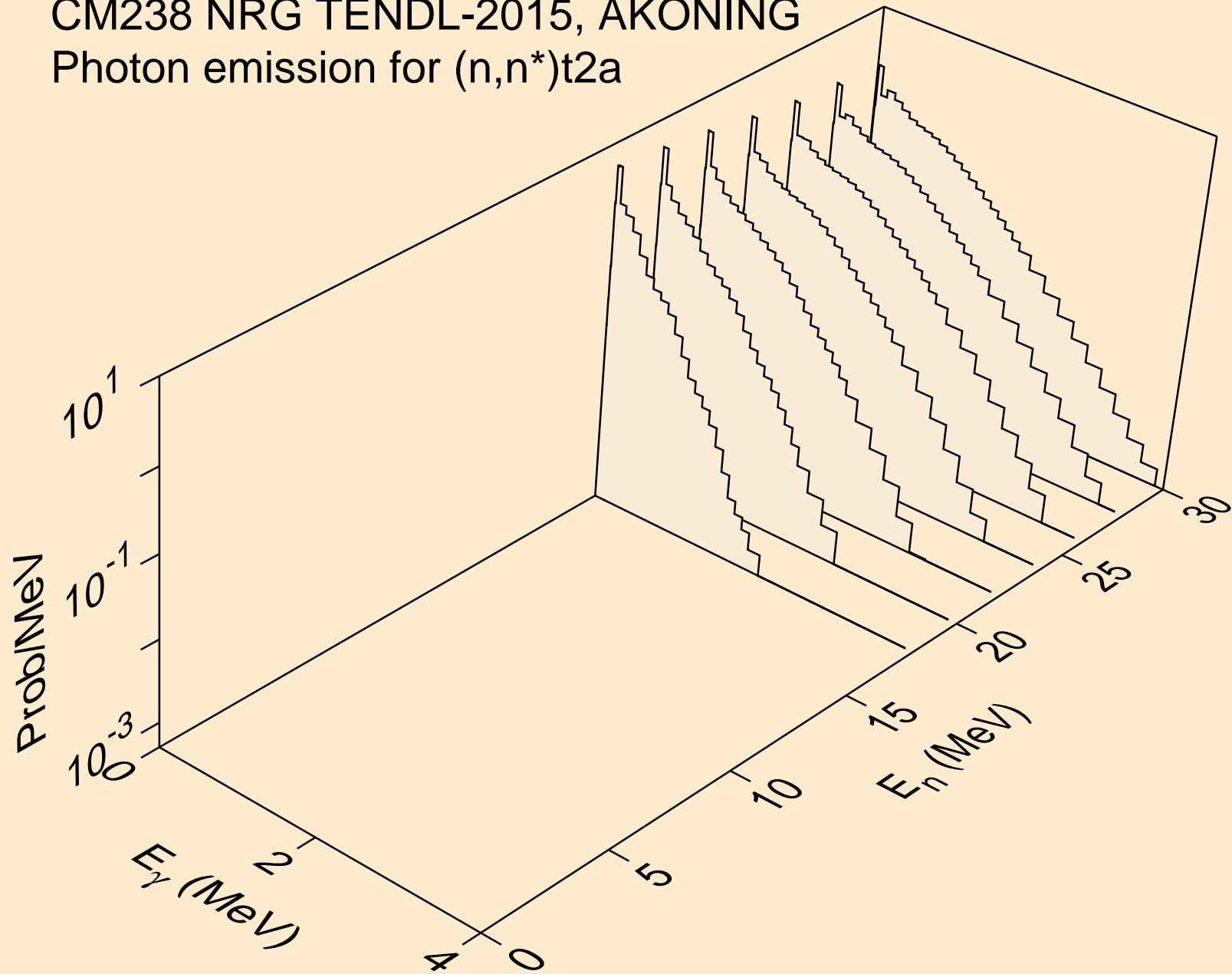
CM238 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



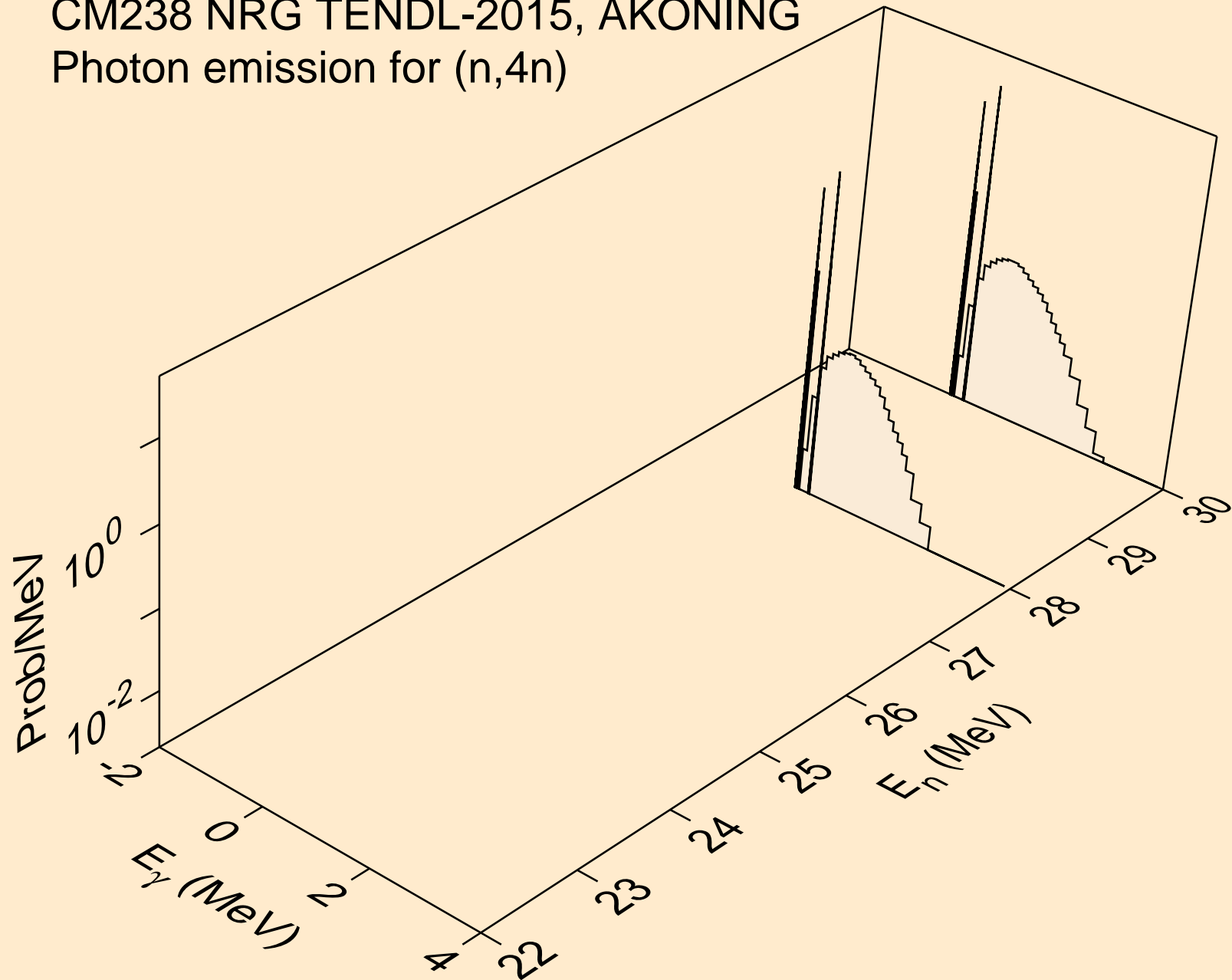
CM238 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



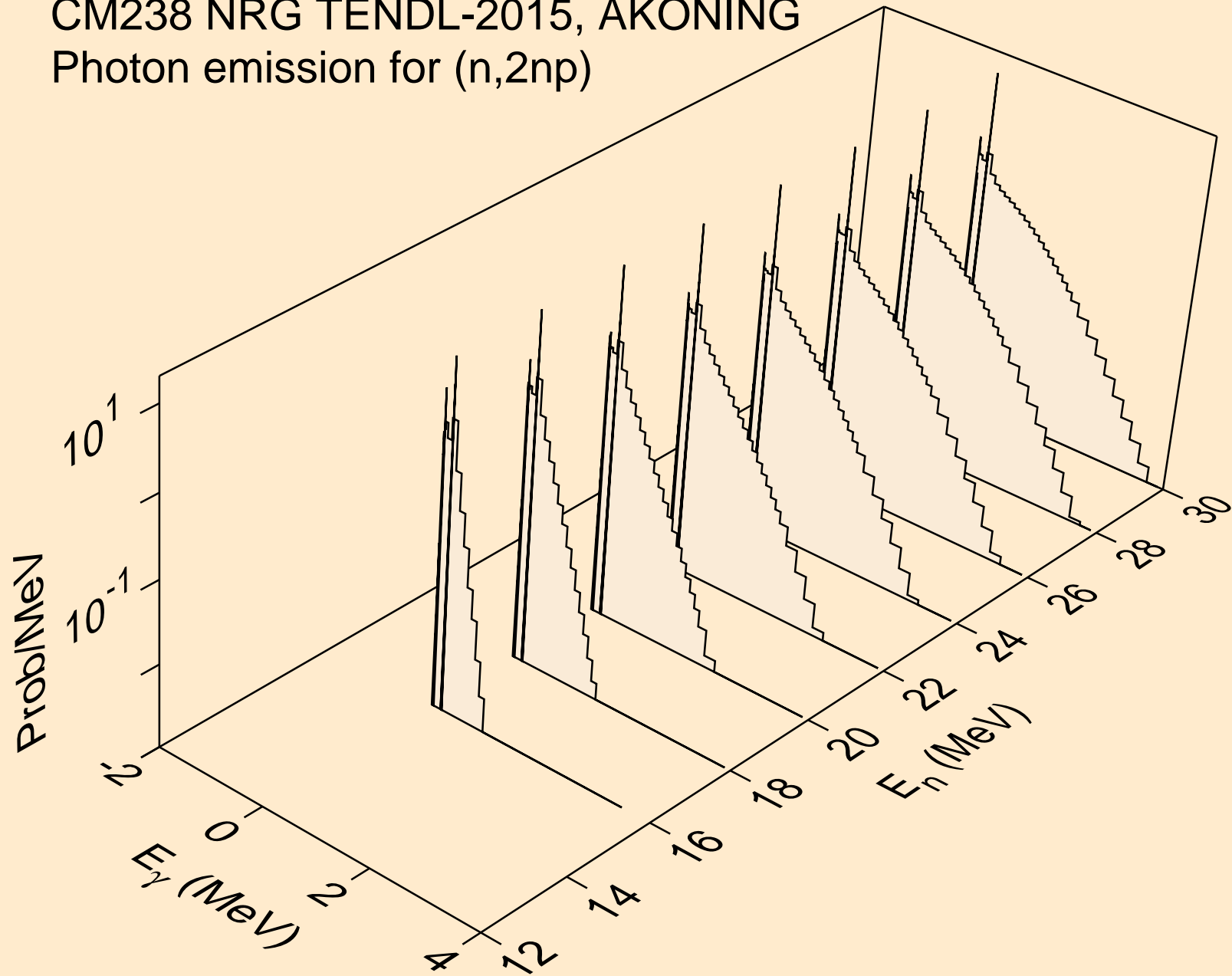
CM238 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t2a



CM238 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)

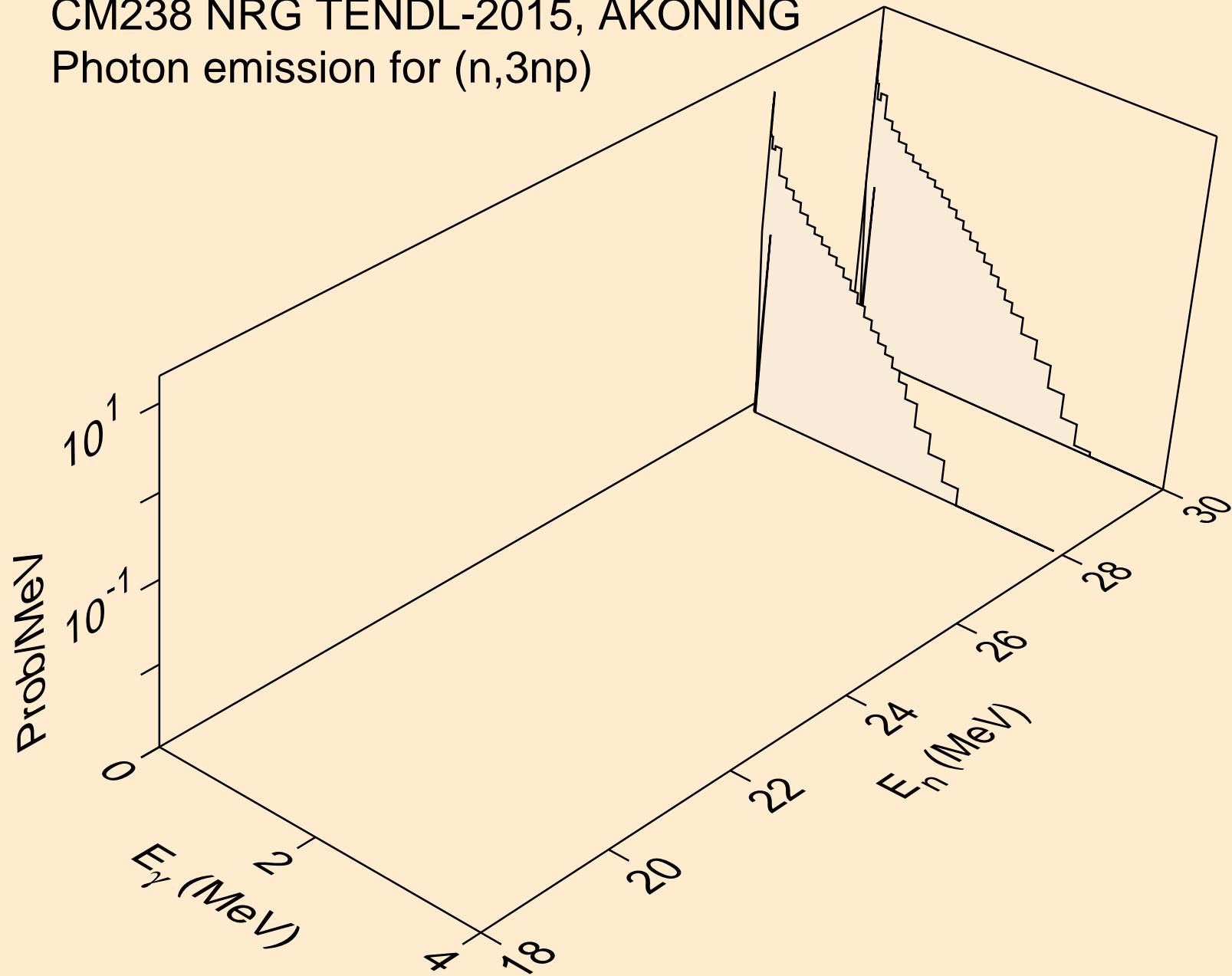


CM238 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)

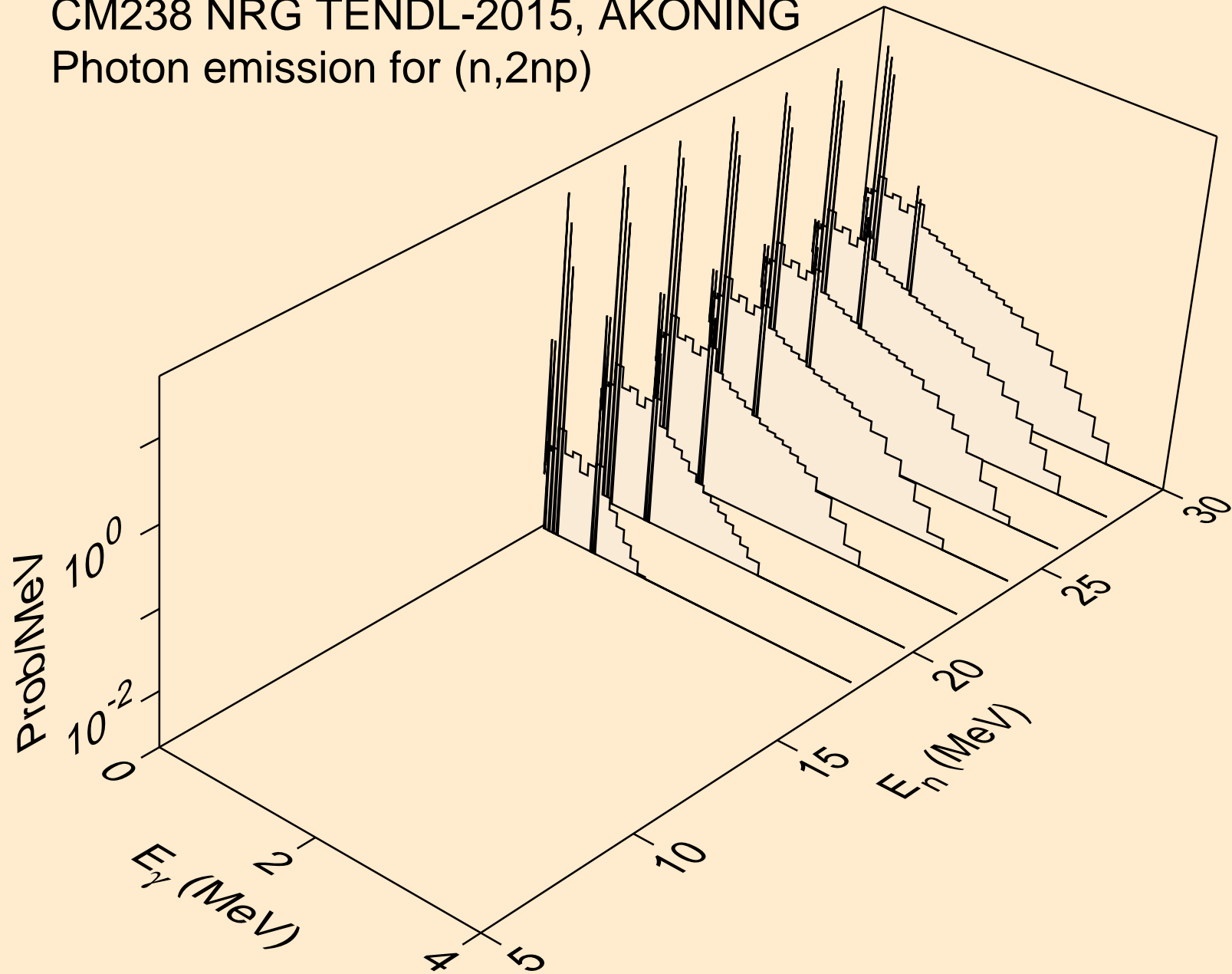




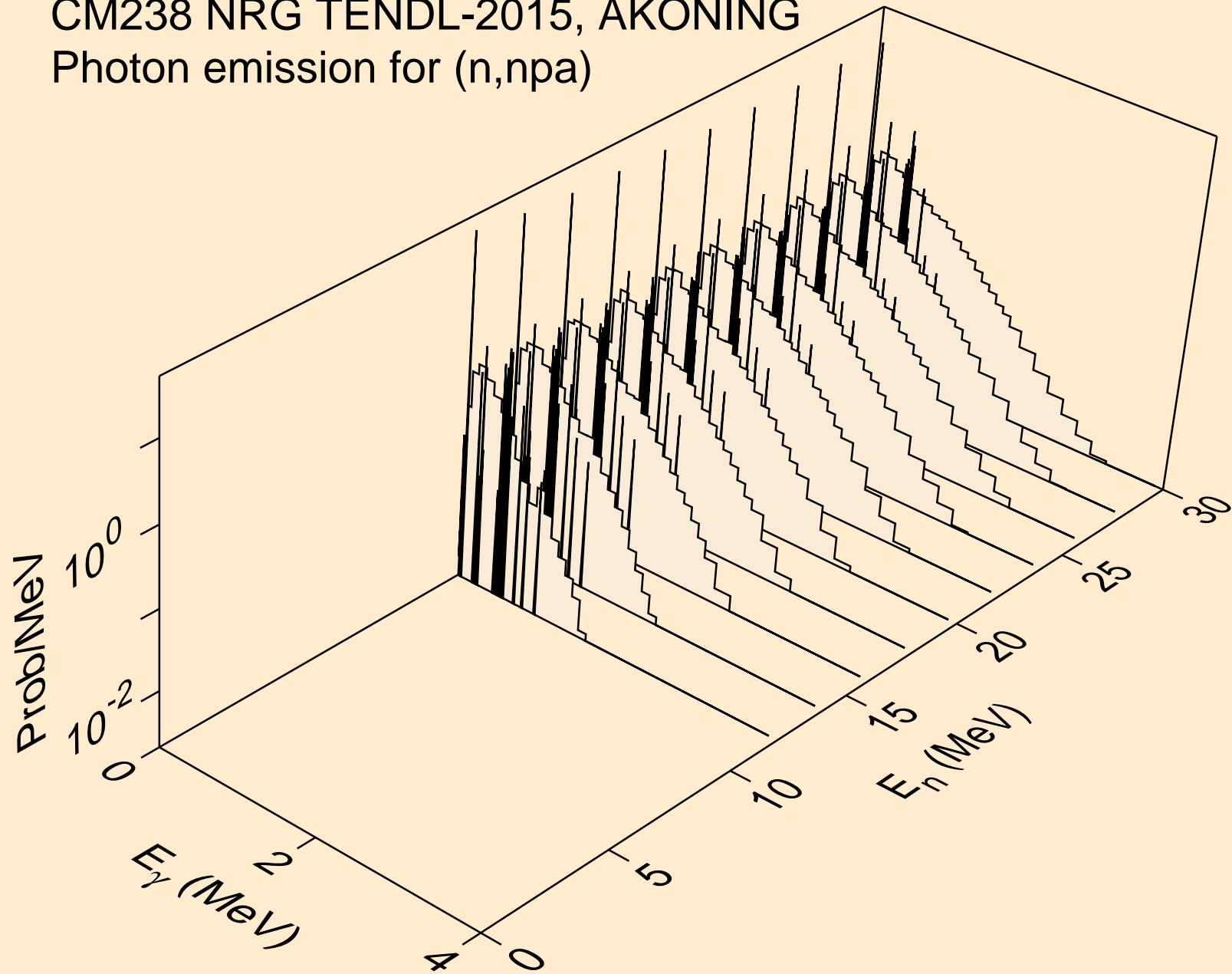
CM238 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



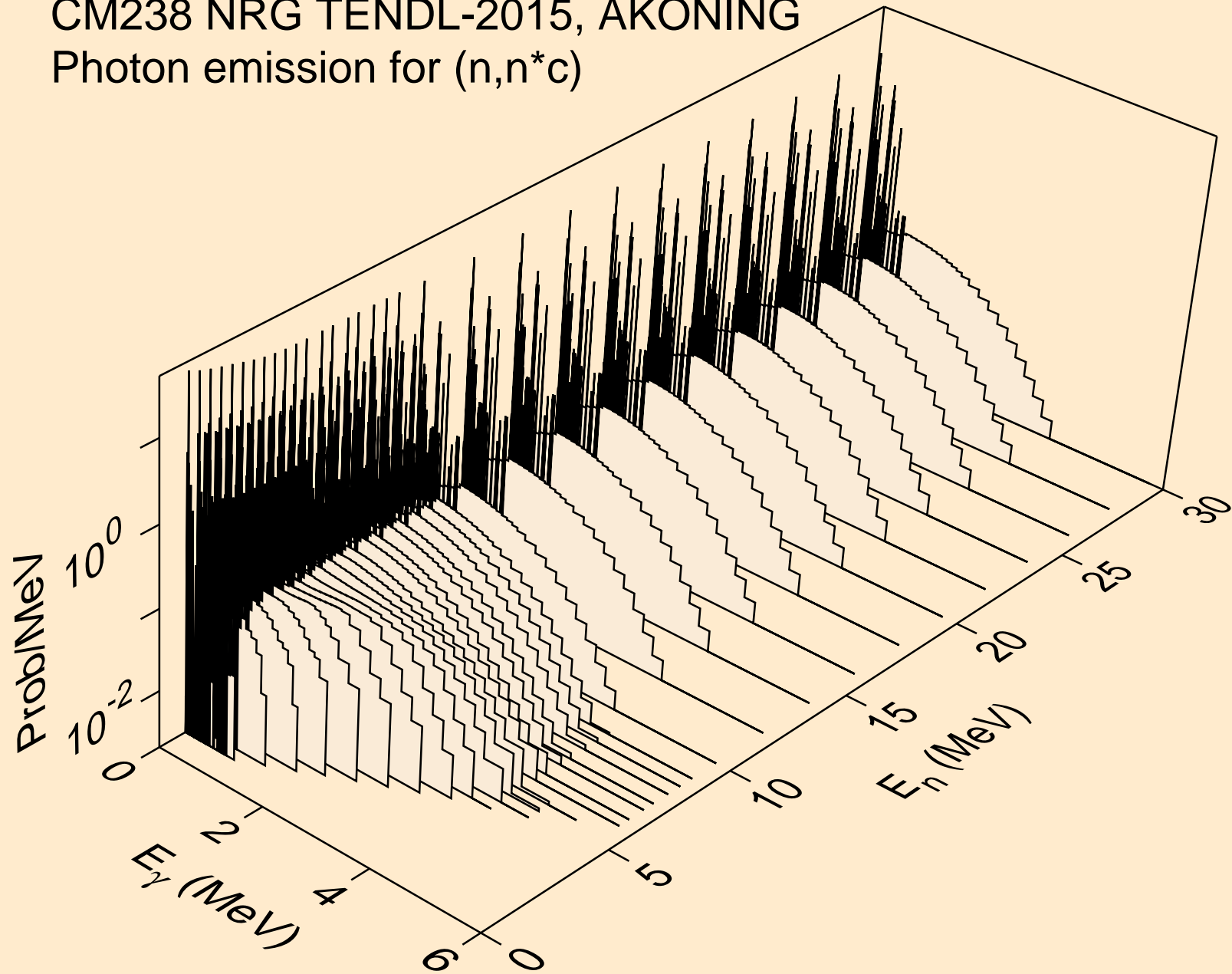
CM238 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



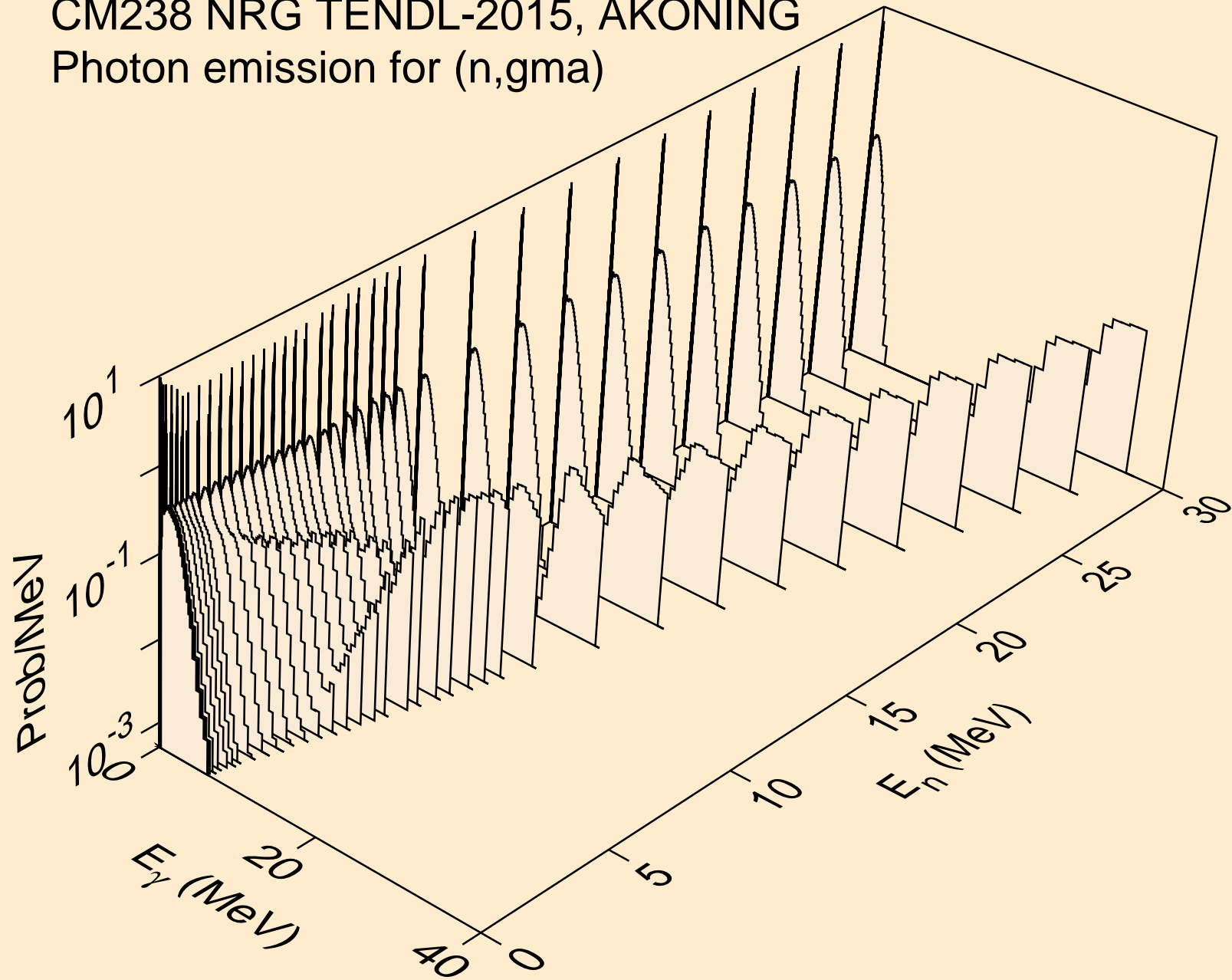
CM238 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



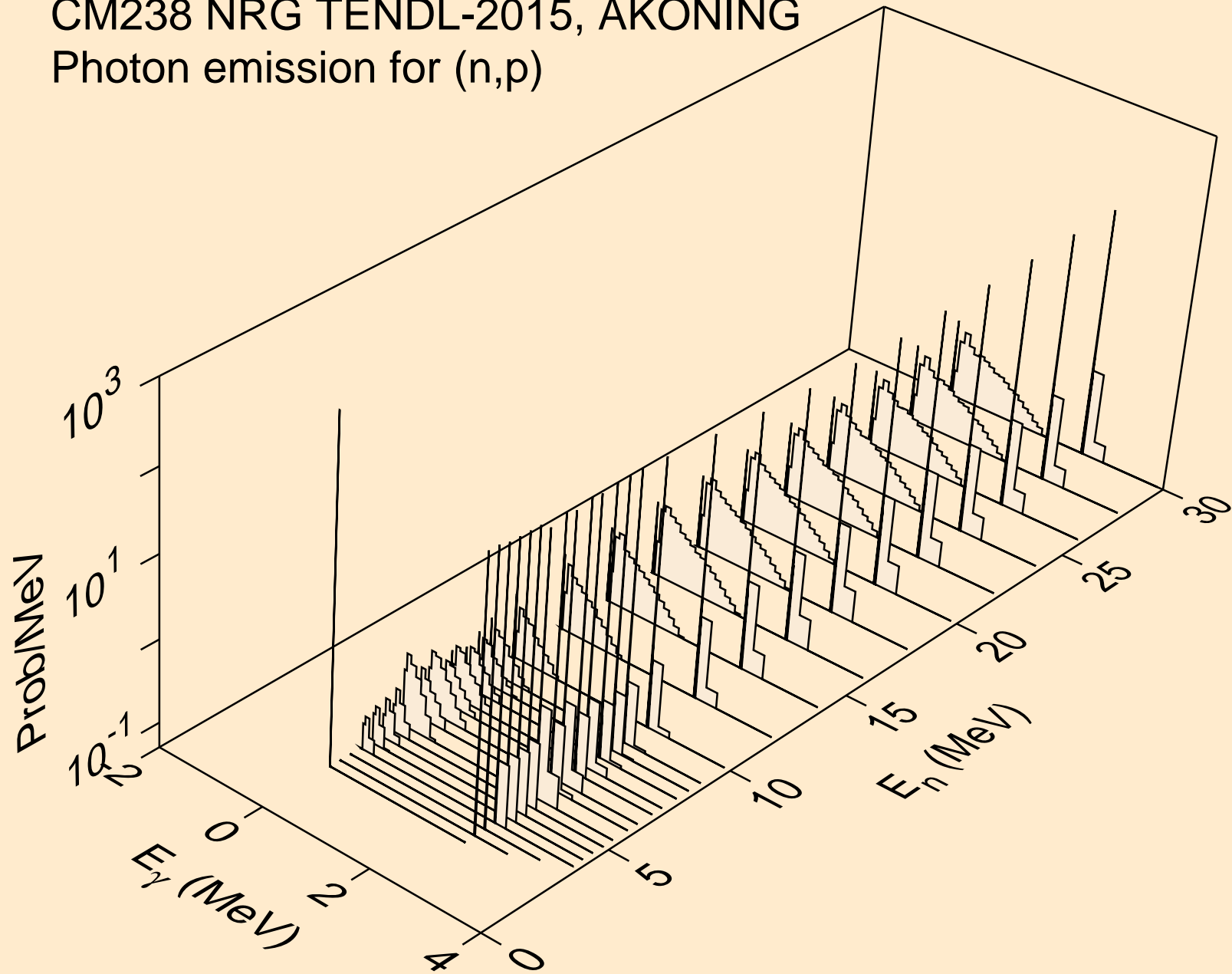
CM238 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



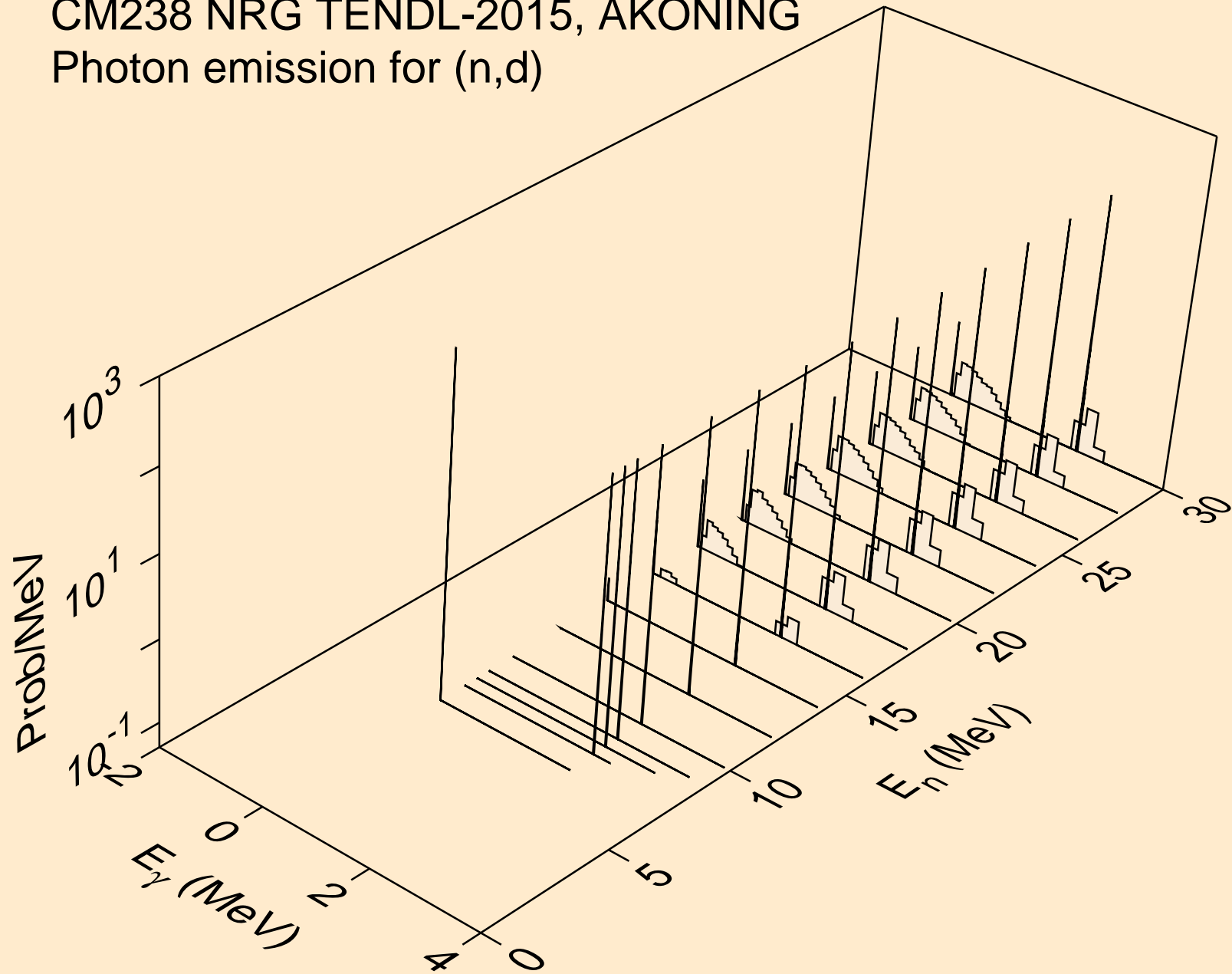
CM238 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



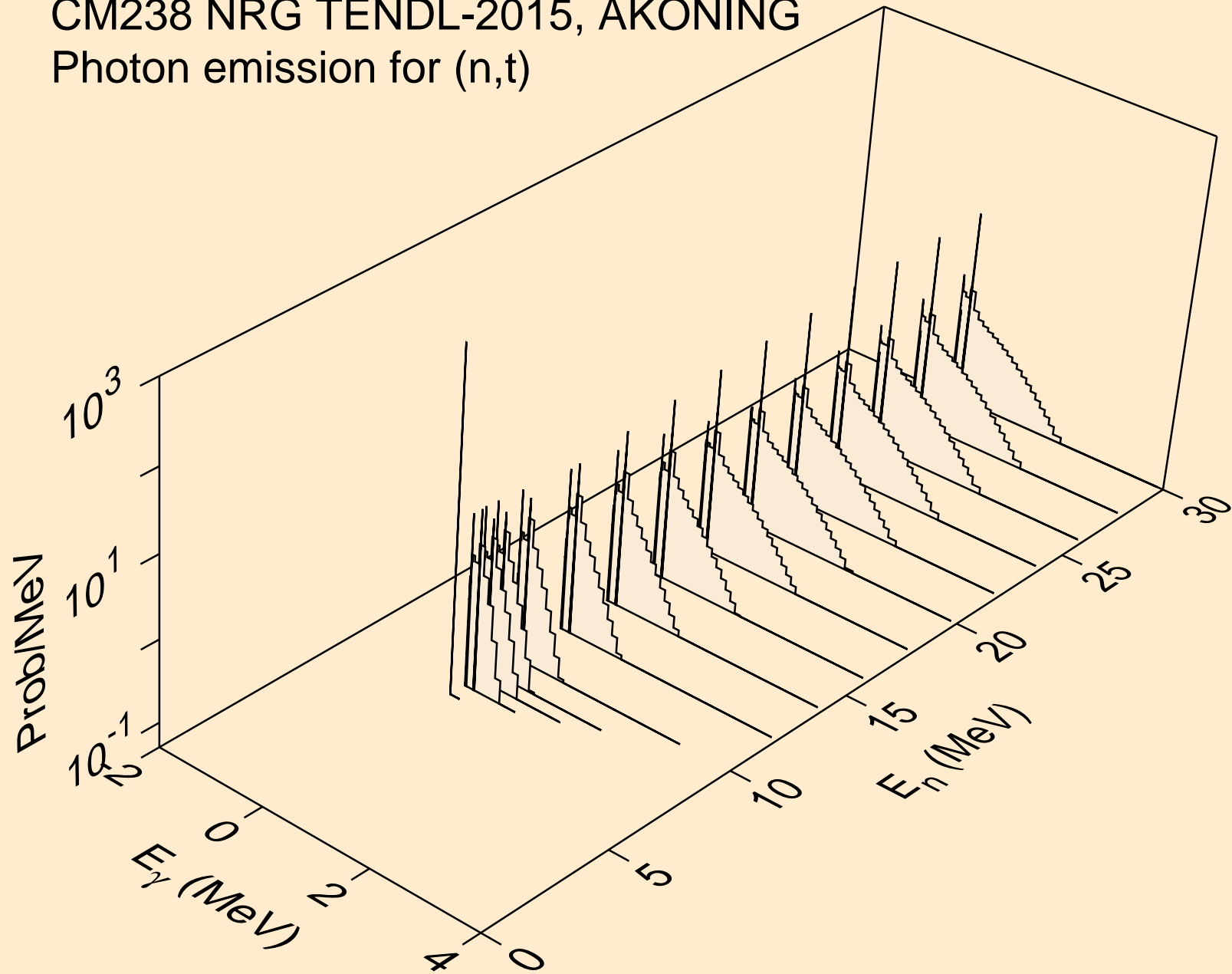
CM238 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



CM238 NRG TENDL-2015, AKONING  
Photon emission for (n,d)

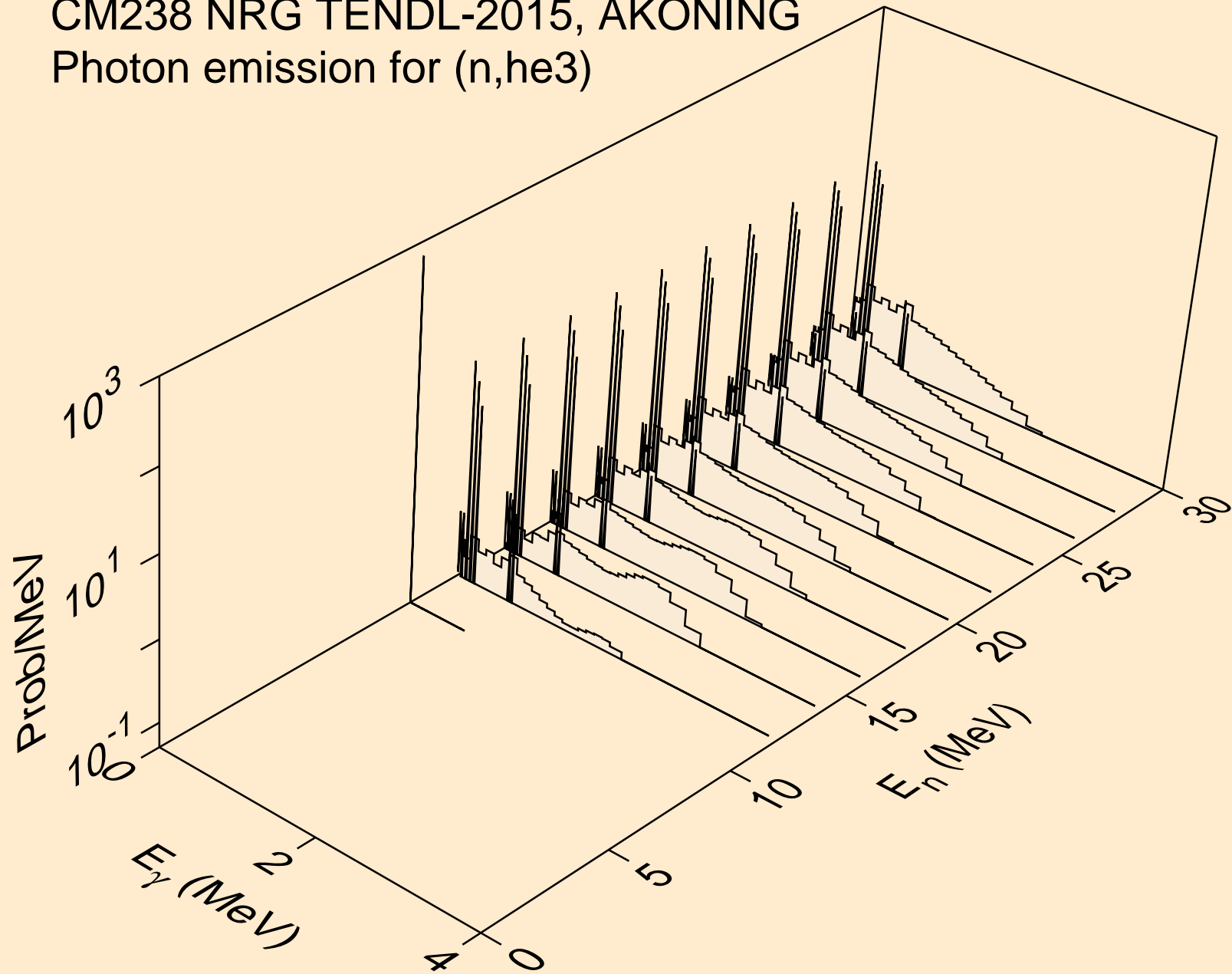


CM238 NRG TENDL-2015, AKONING  
Photon emission for (n,t)

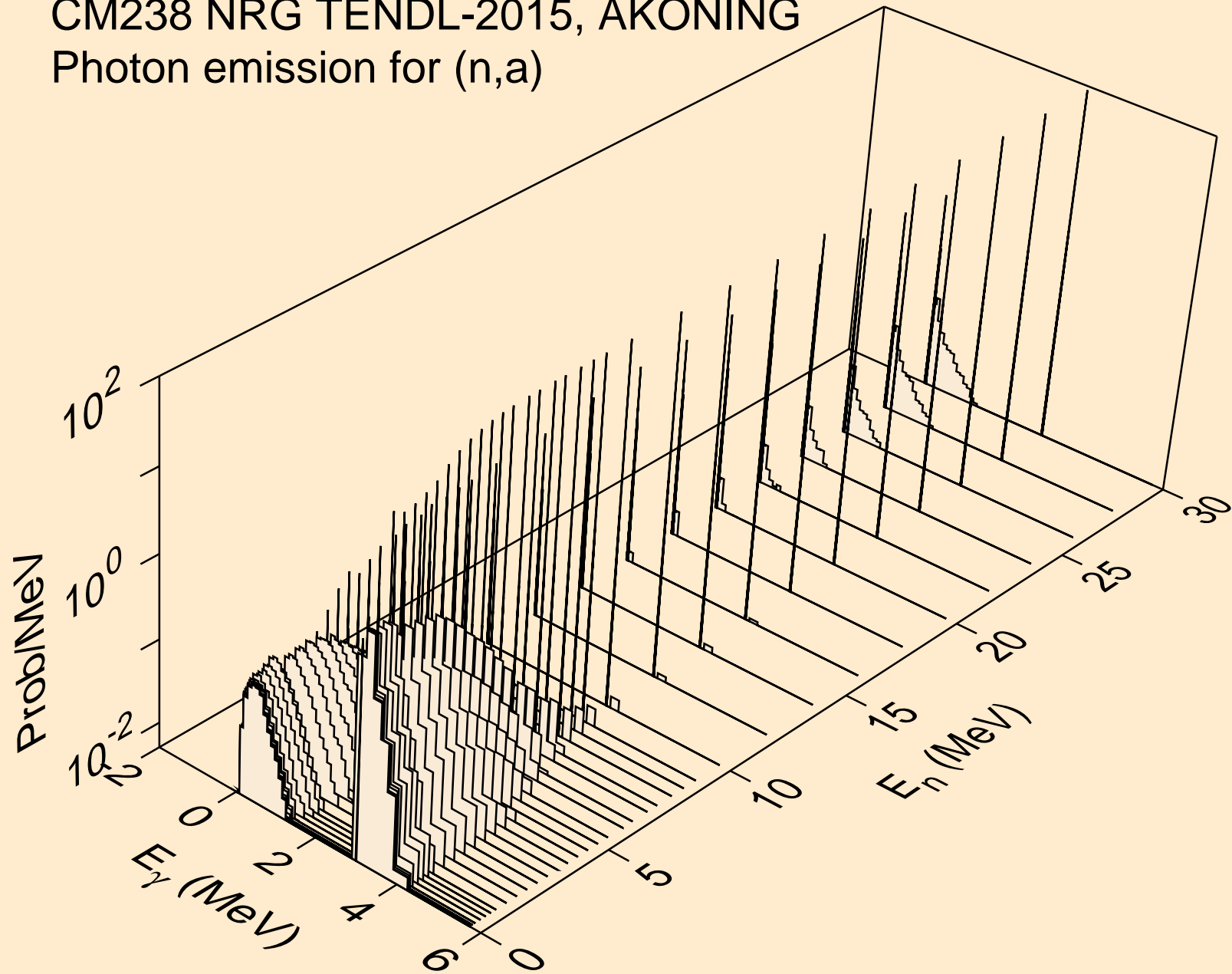




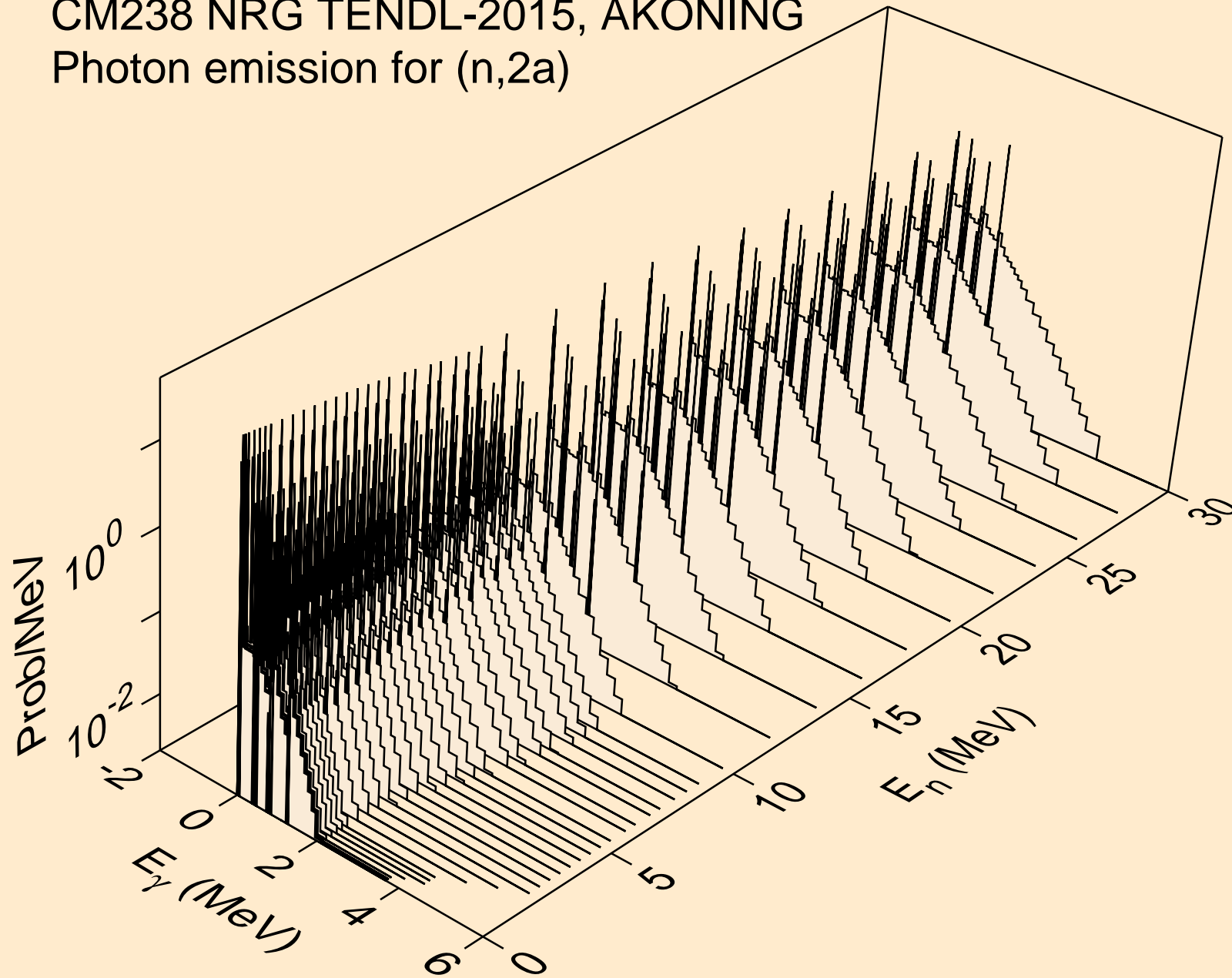
CM238 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



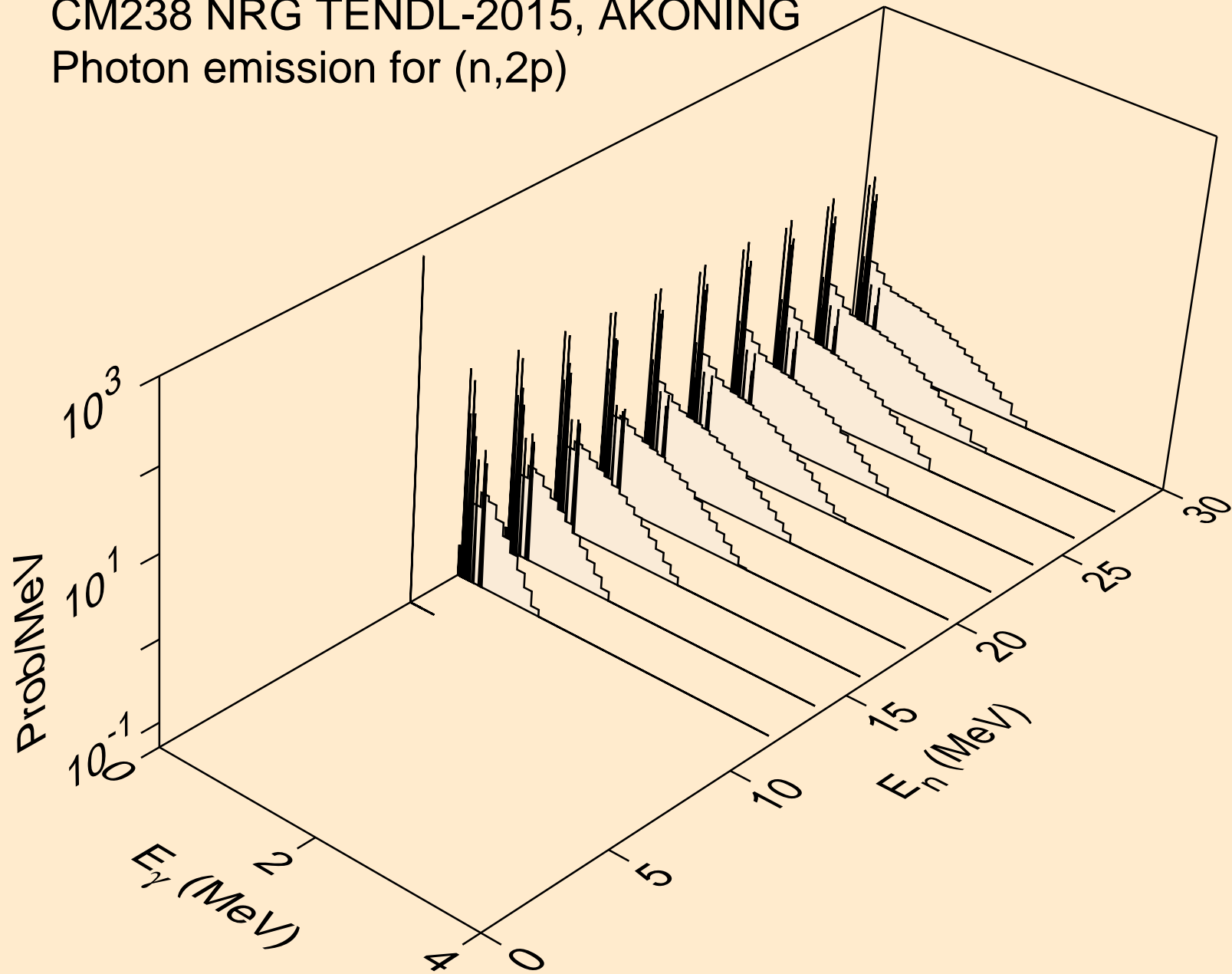
CM238 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



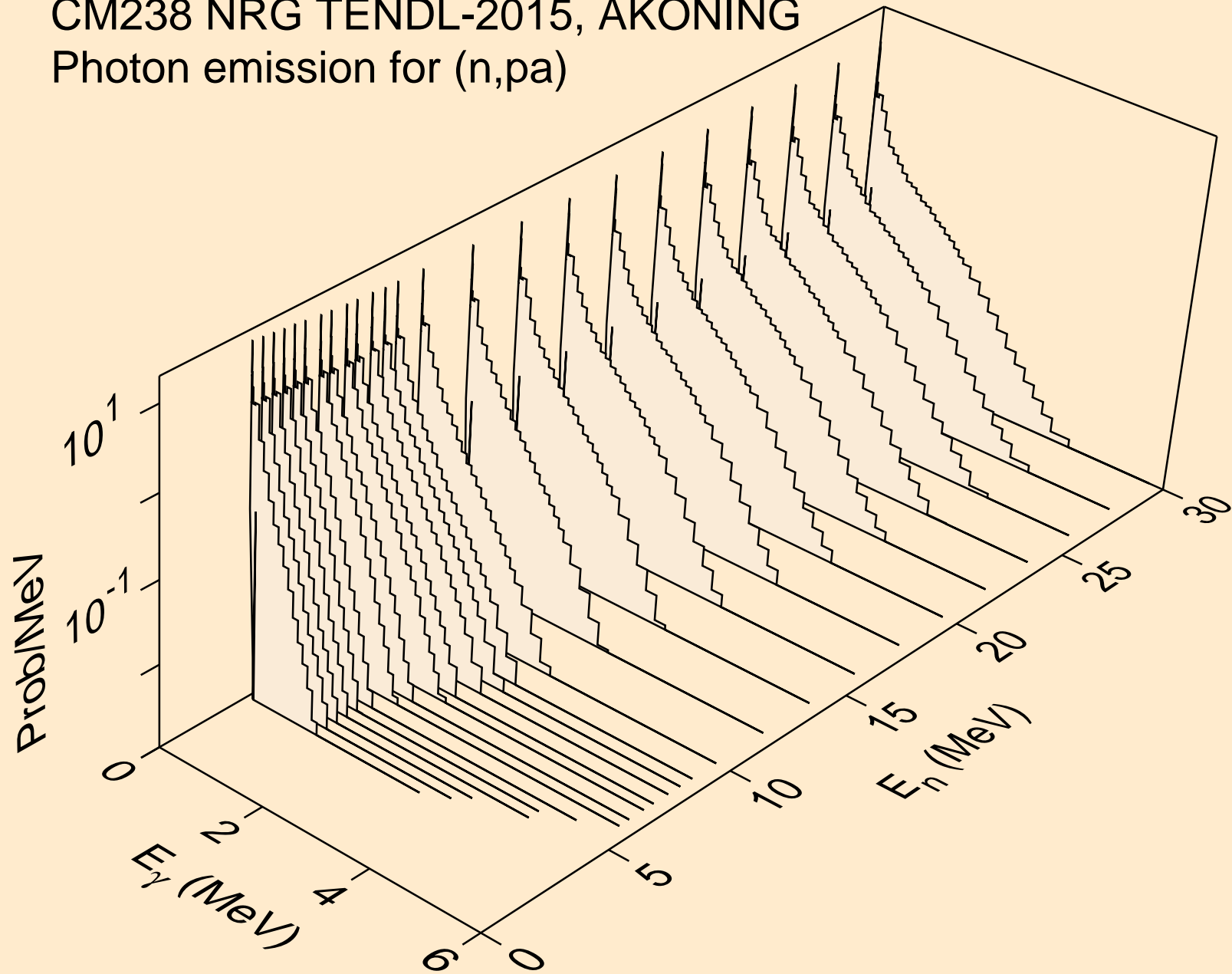
CM238 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



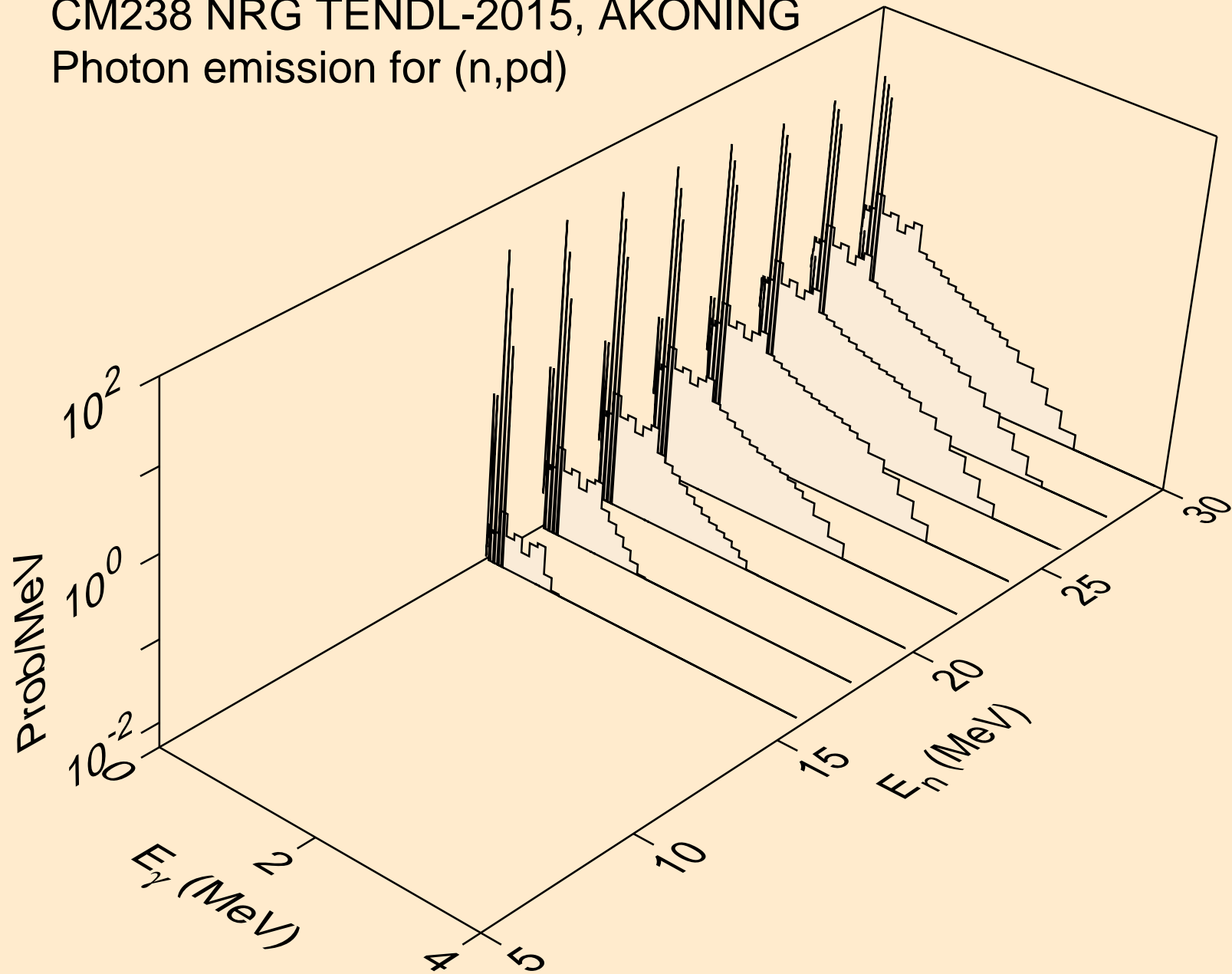
CM238 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



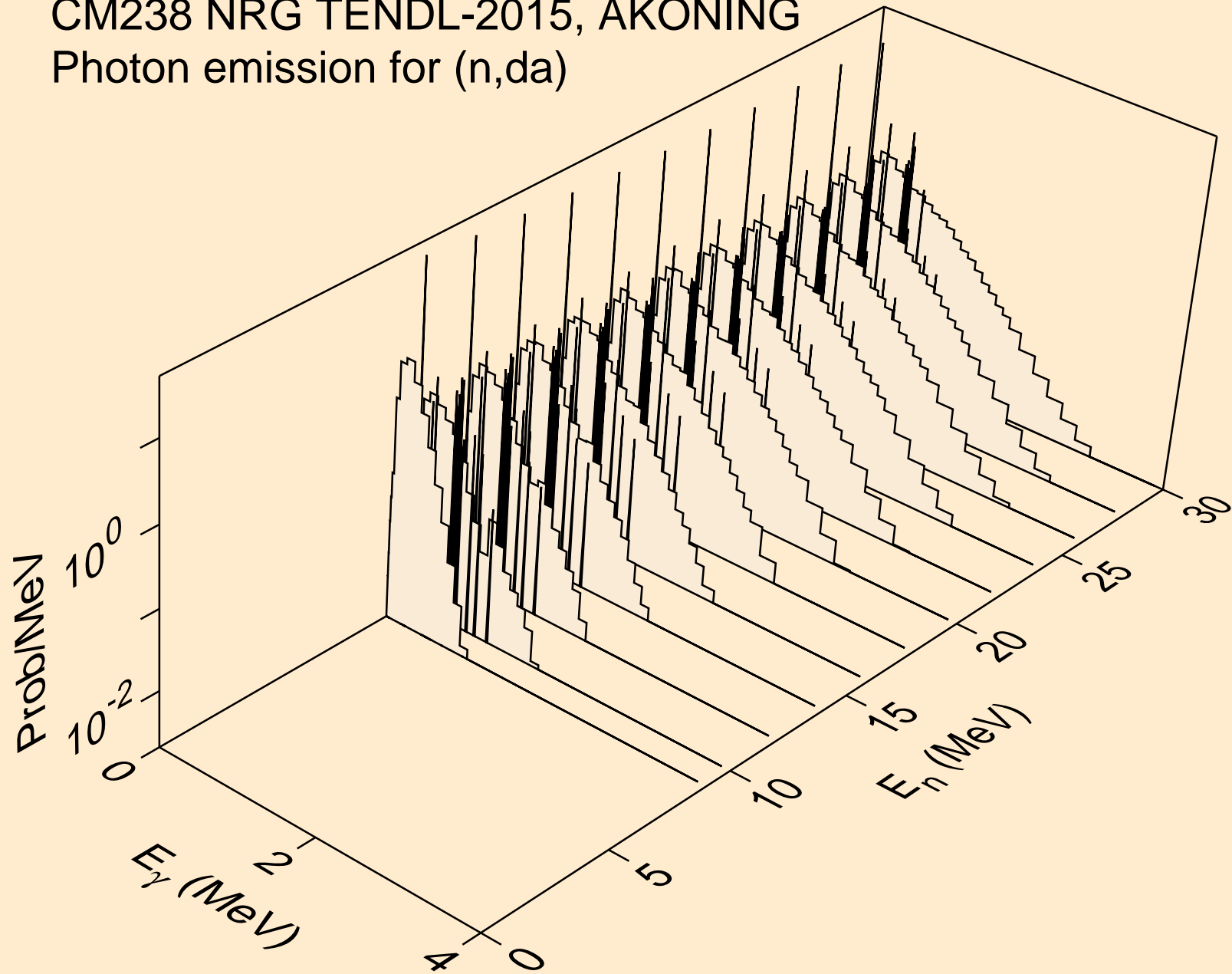
CM238 NRG TENDL-2015, AKONING  
Photon emission for (n,p $\alpha$ )



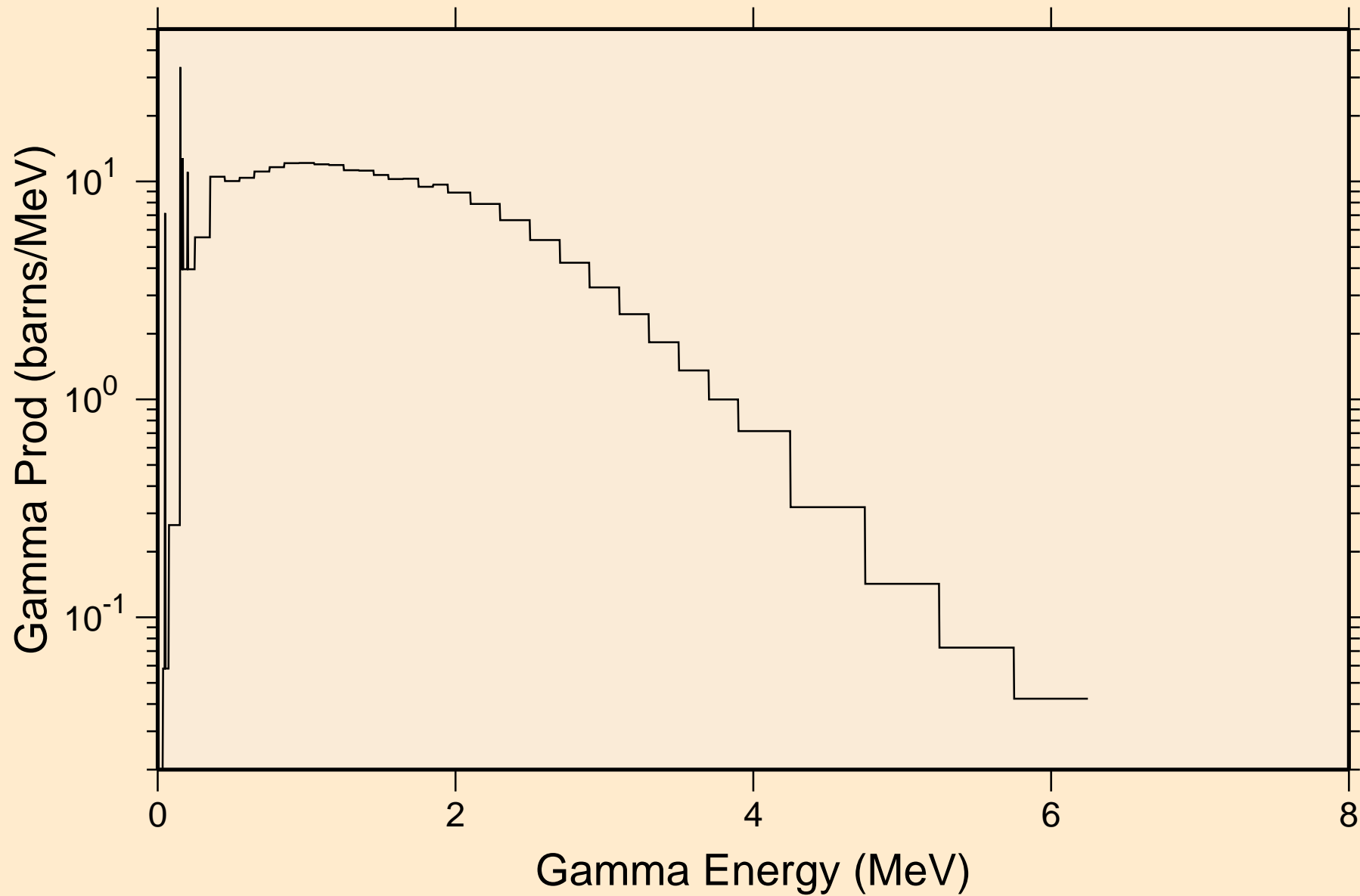
CM238 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



CM238 NRG TENDL-2015, AKONING  
Photon emission for (n,da)

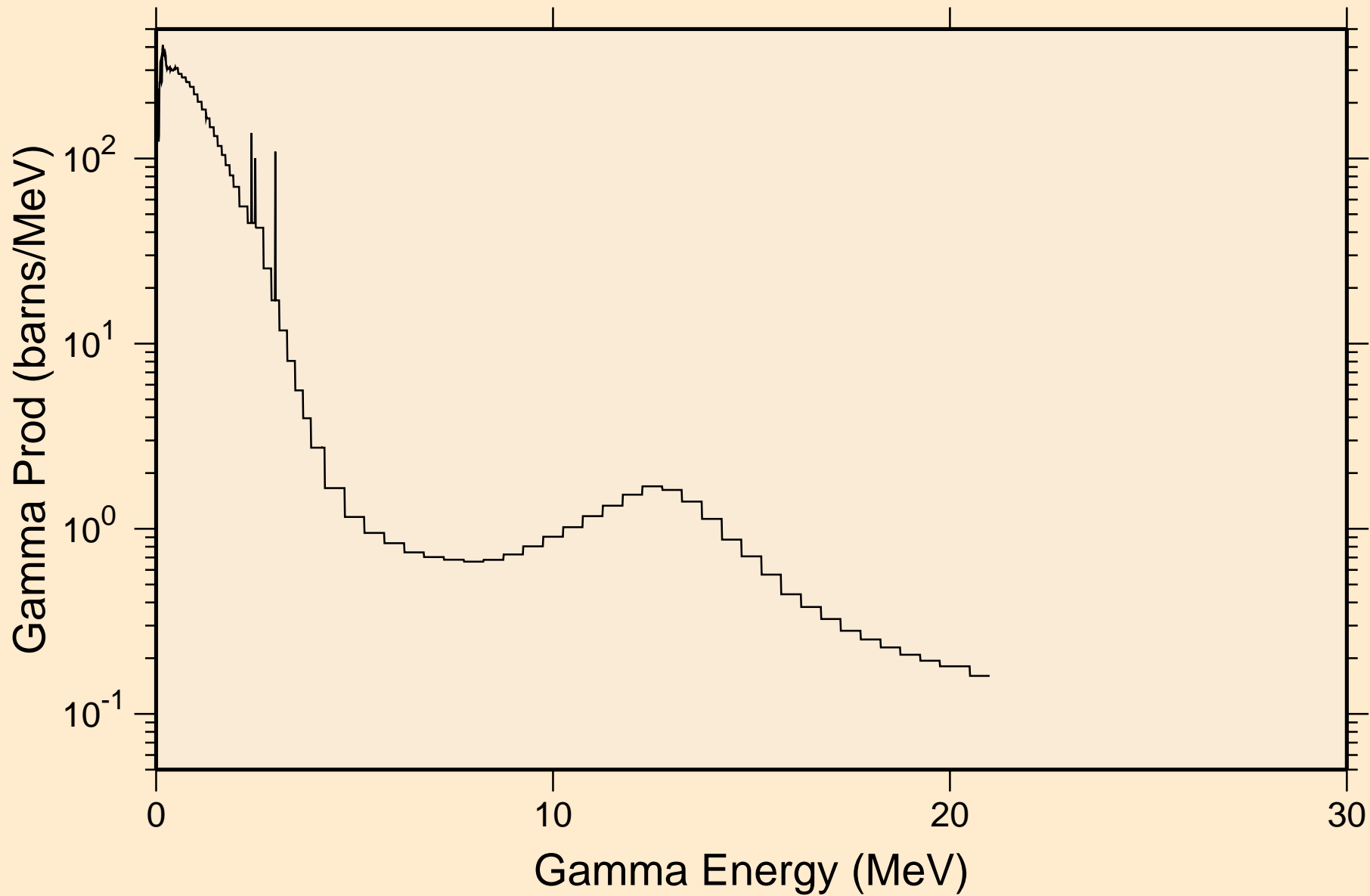


CM238 NRG TENDL-2015, AKONING  
thermal capture photon spectrum



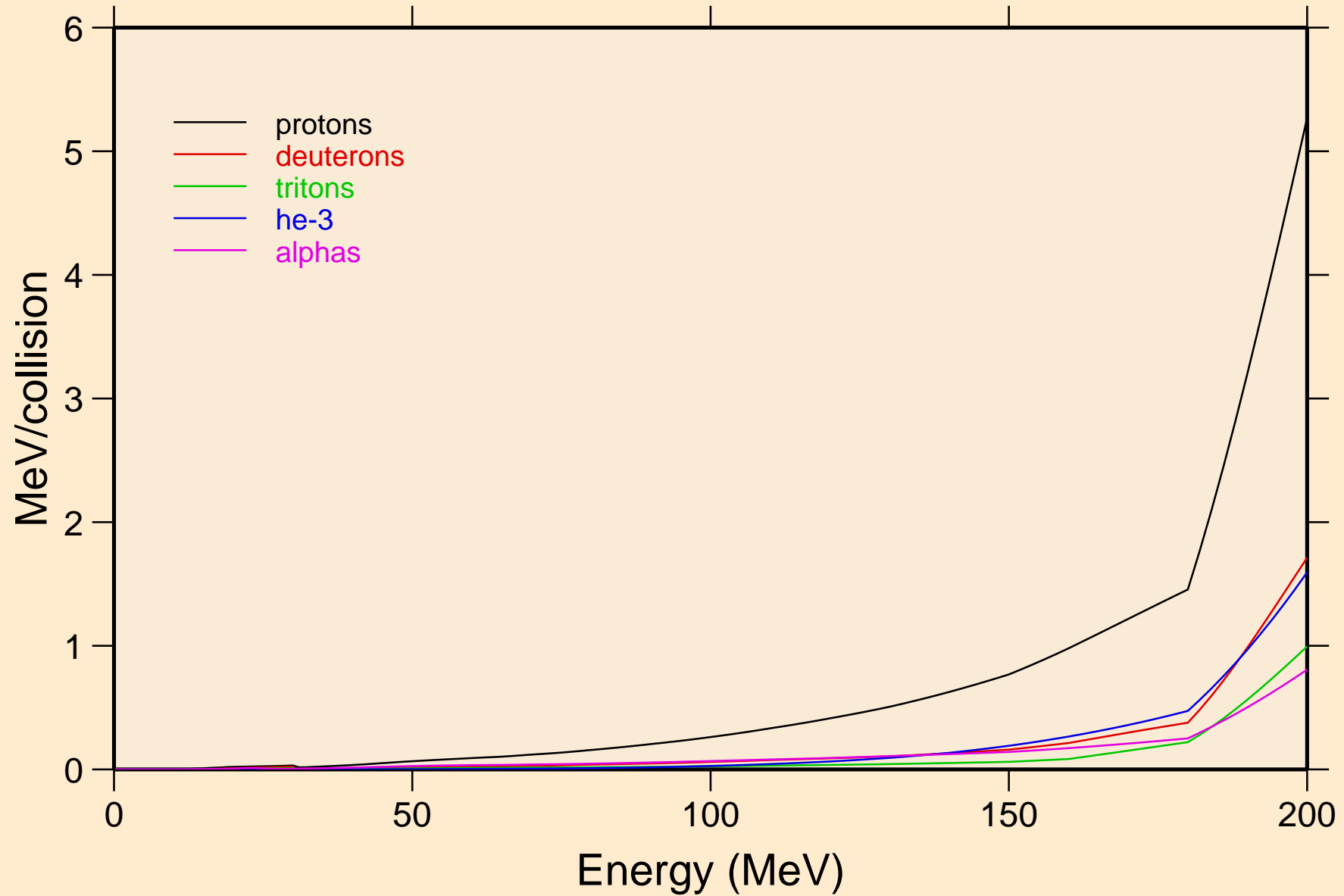


CM238 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



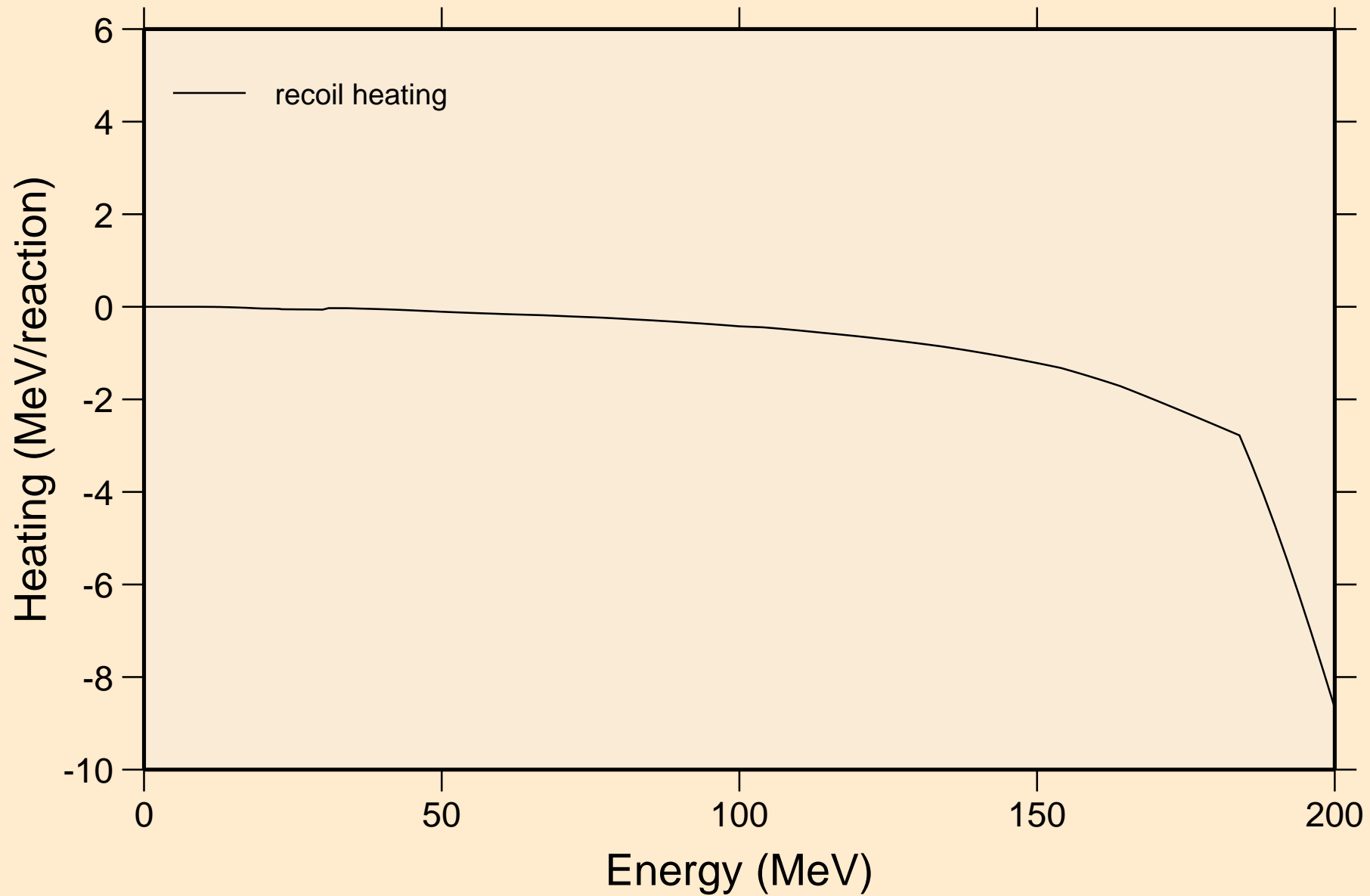
# CM238 NRG TENDL-2015, AKONING

## Particle heating contributions



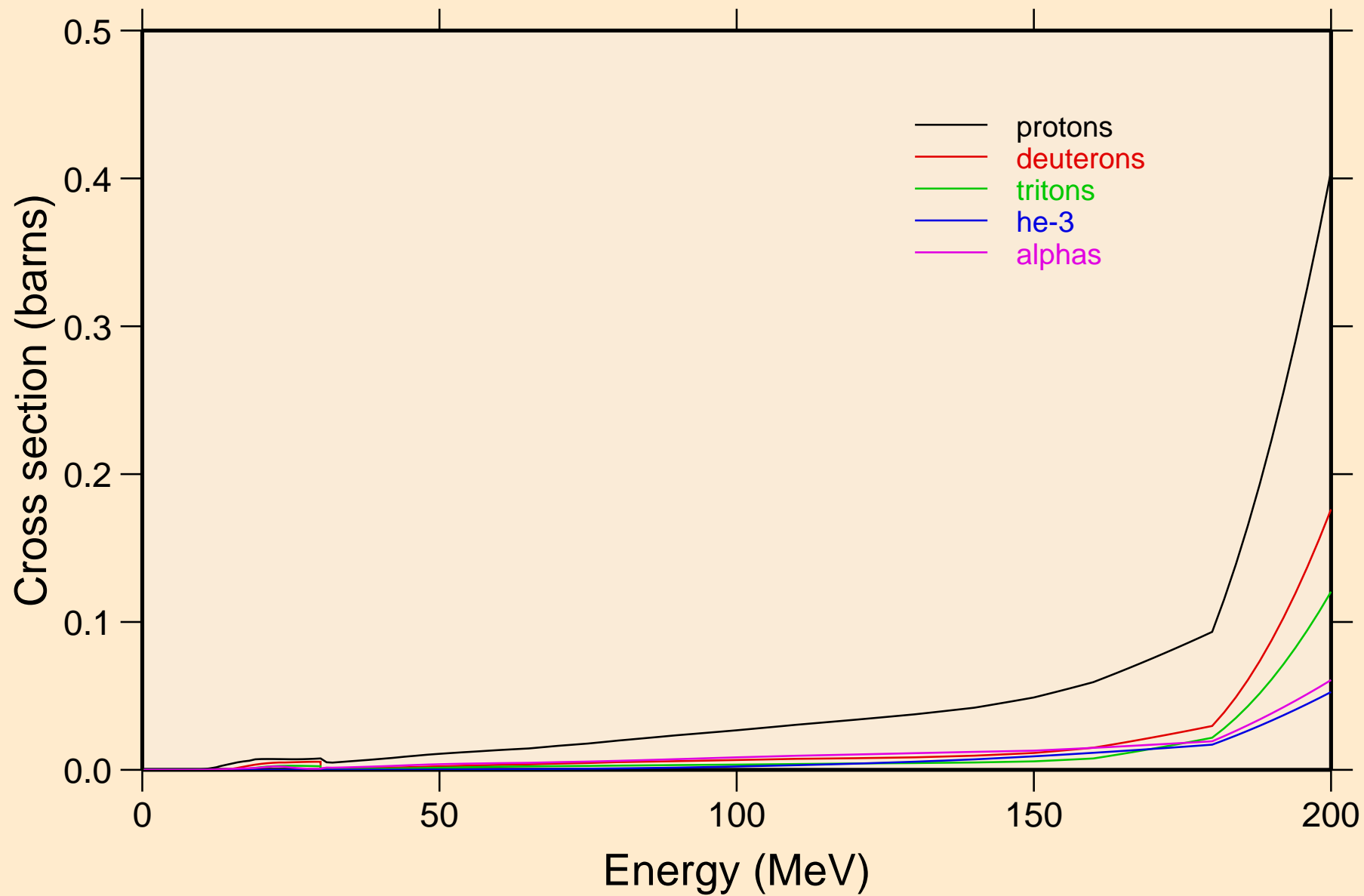
# CM238 NRG TENDL-2015, AKONING

## Recoil Heating

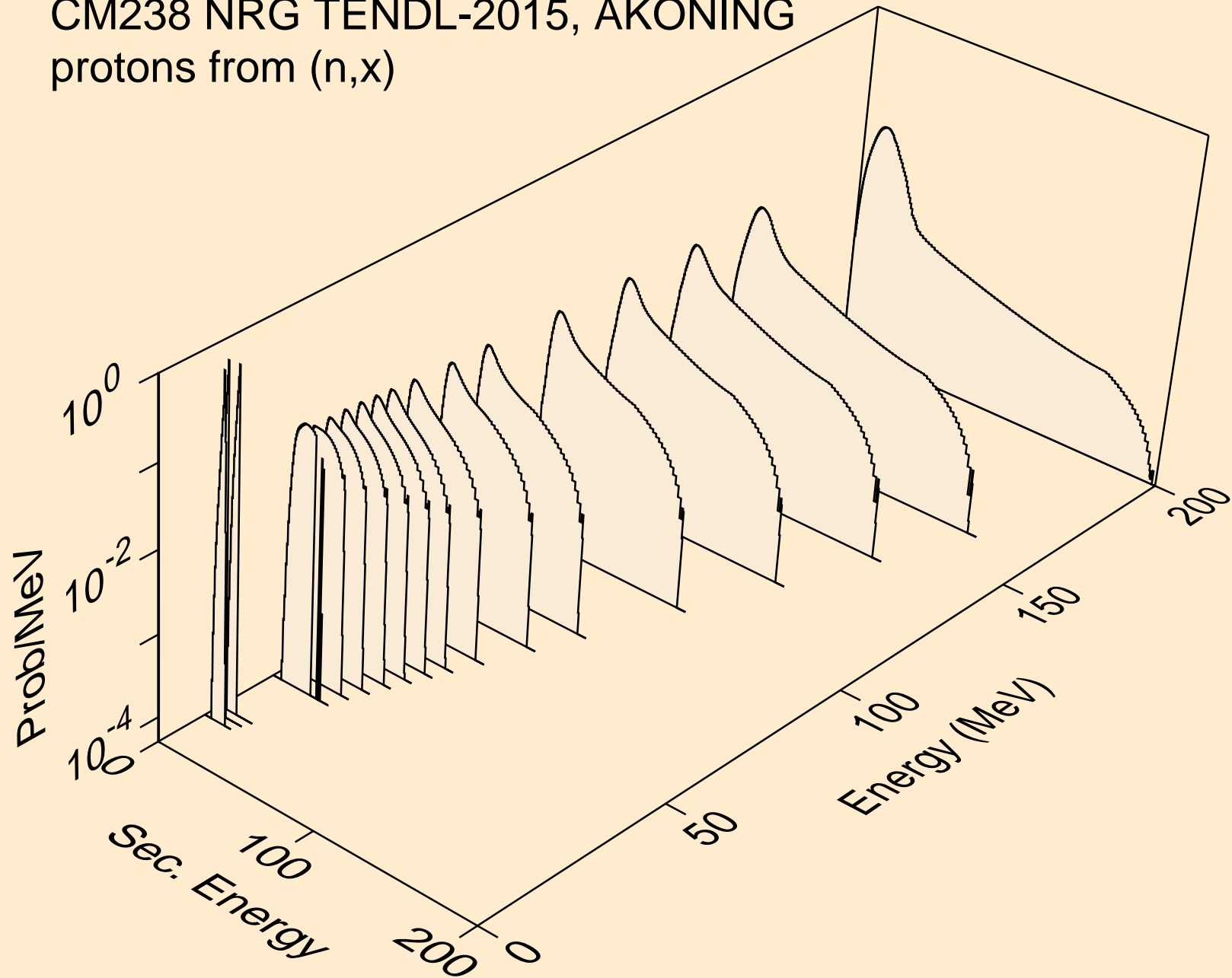


# CM238 NRG TENDL-2015, AKONING

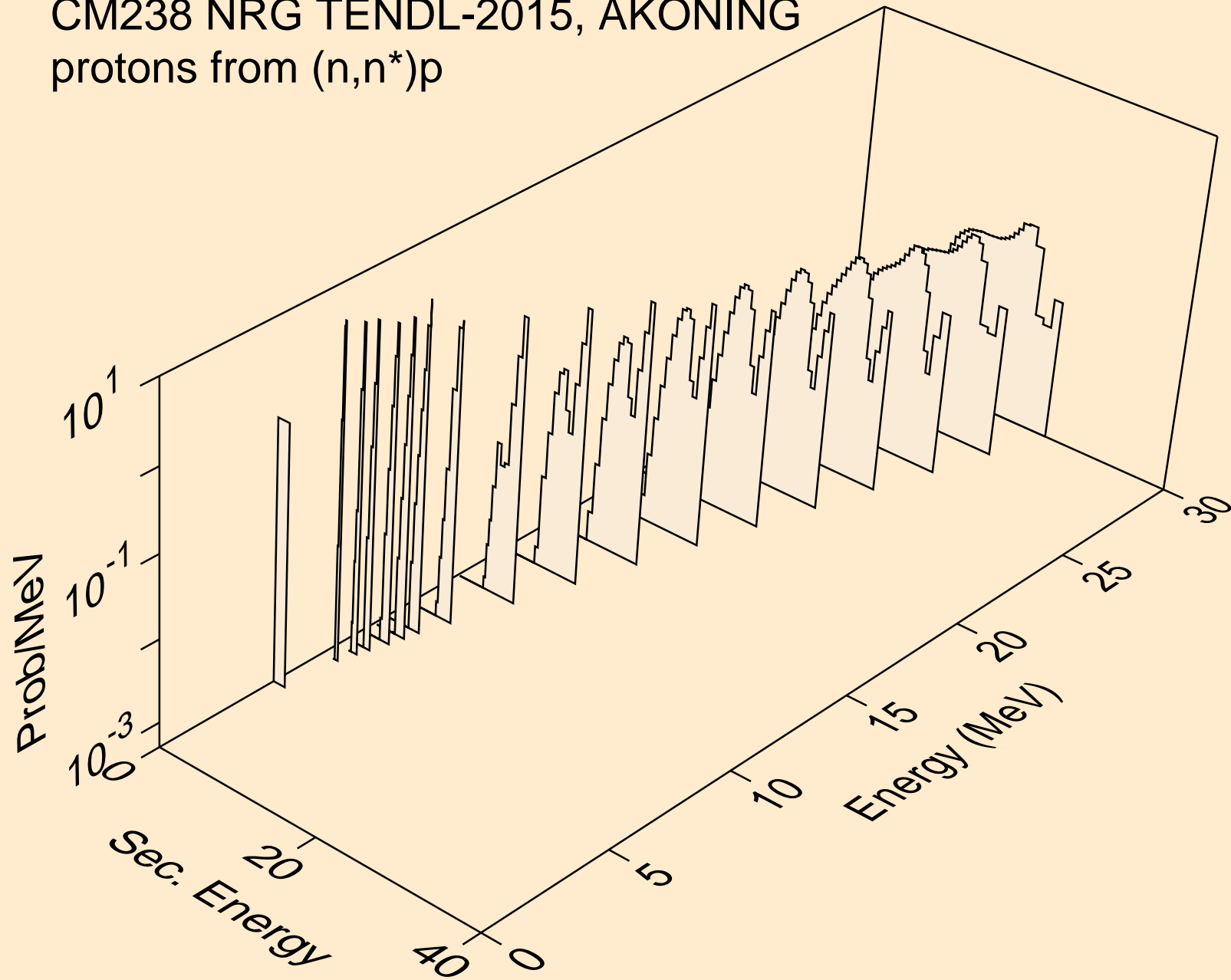
## Particle production cross sections



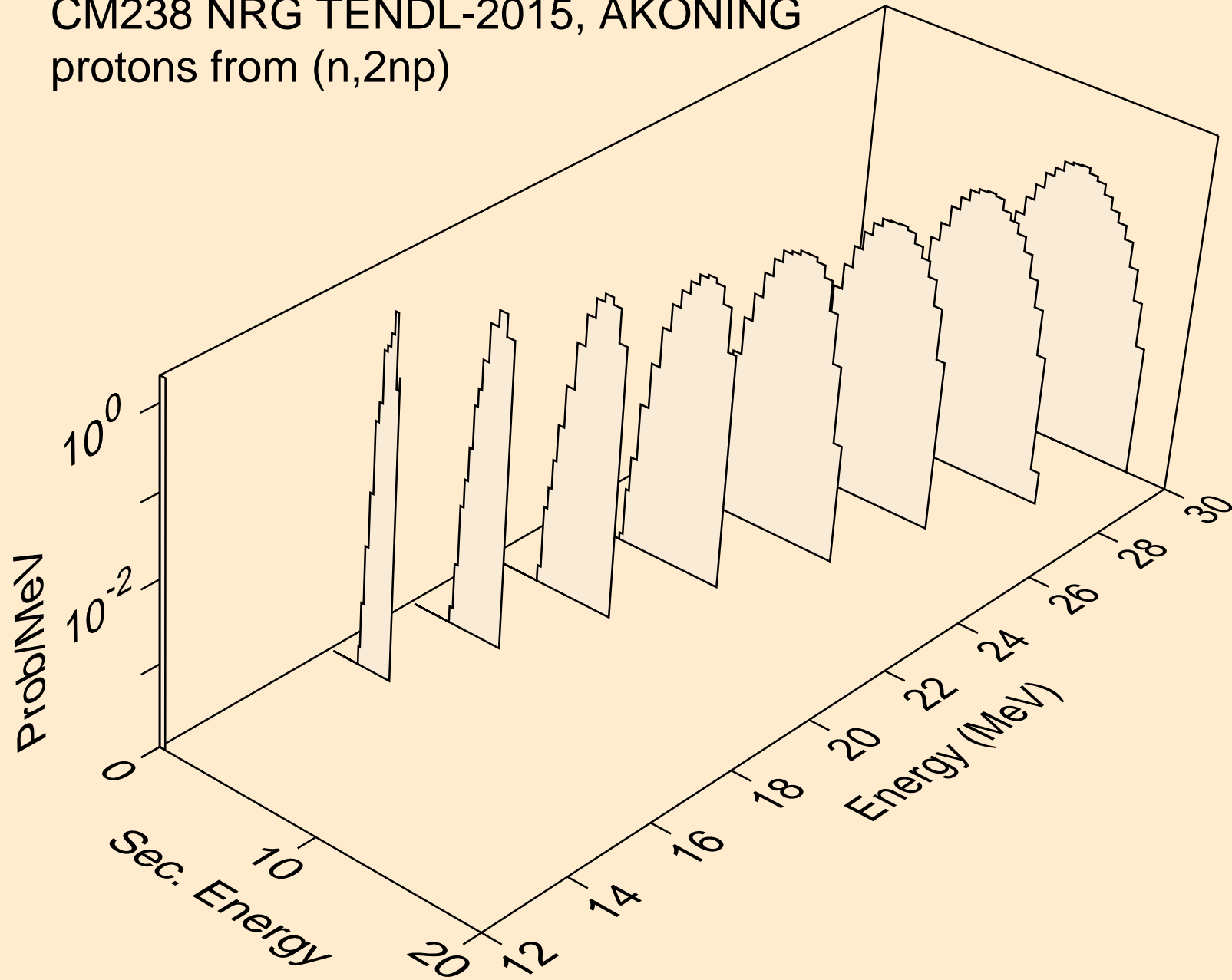
CM238 NRG TENDL-2015, AKONING  
protons from (n,x)



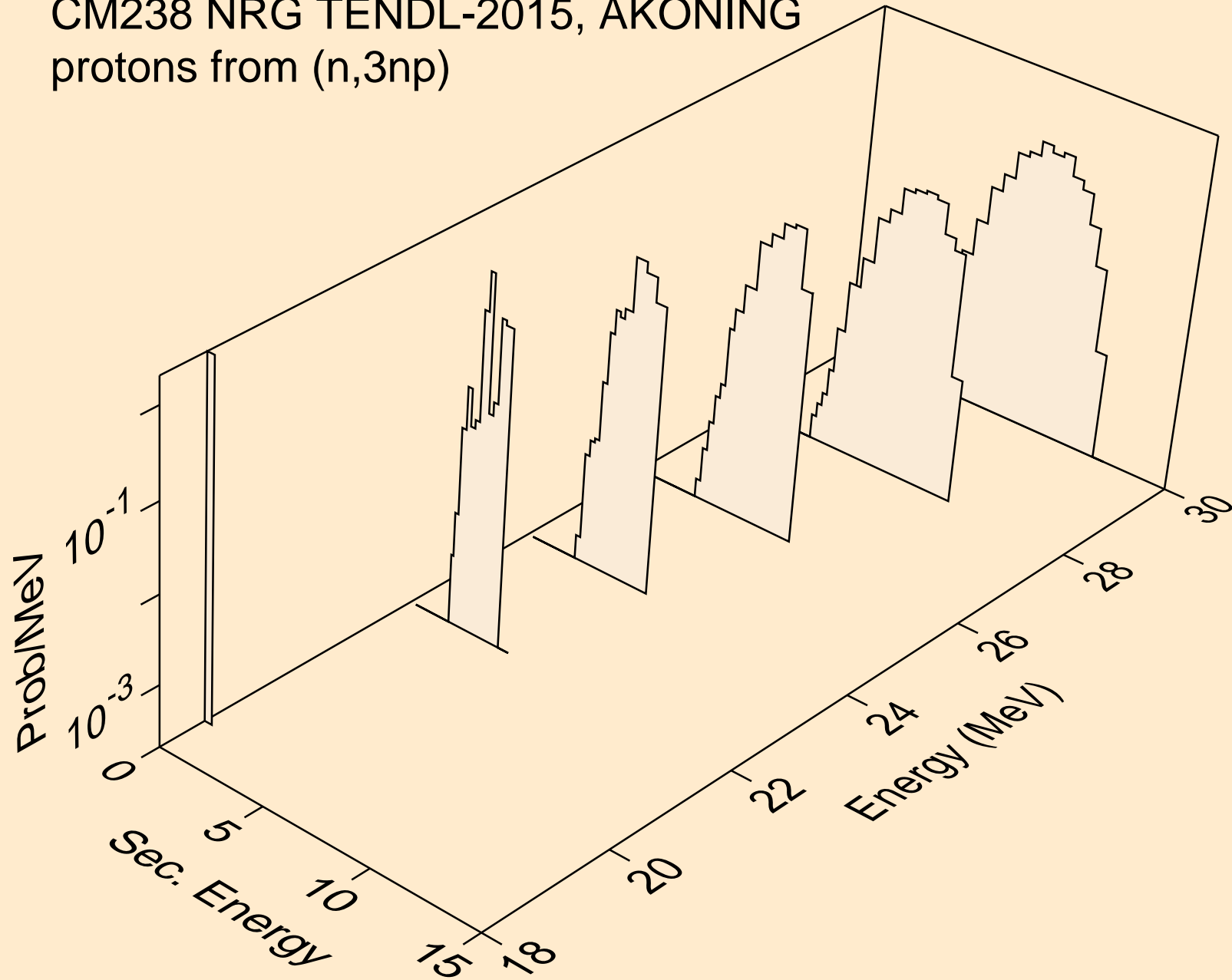
CM238 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



CM238 NRG TENDL-2015, AKONING  
protons from (n,2np)

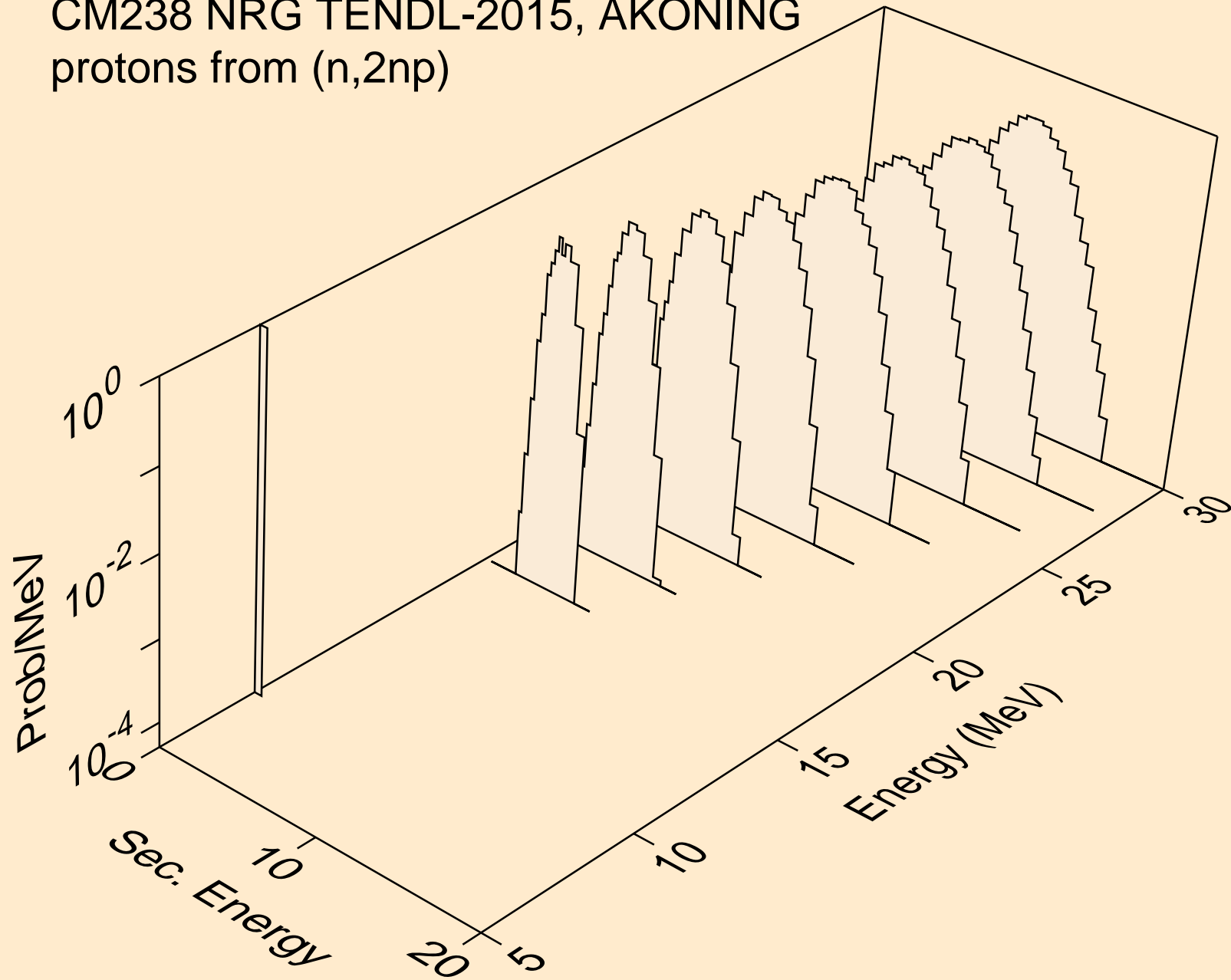


CM238 NRG TENDL-2015, AKONING  
protons from (n,3np)

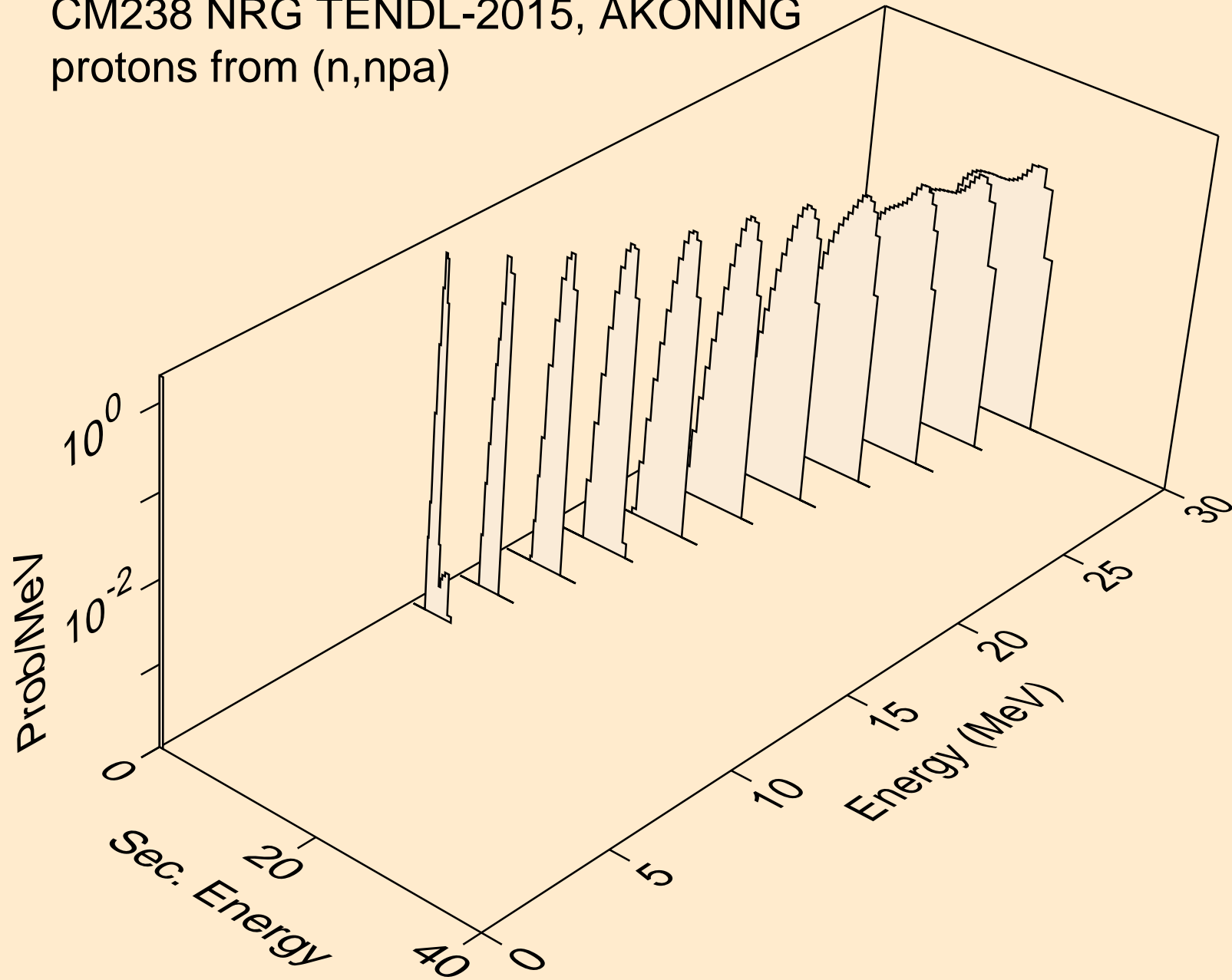




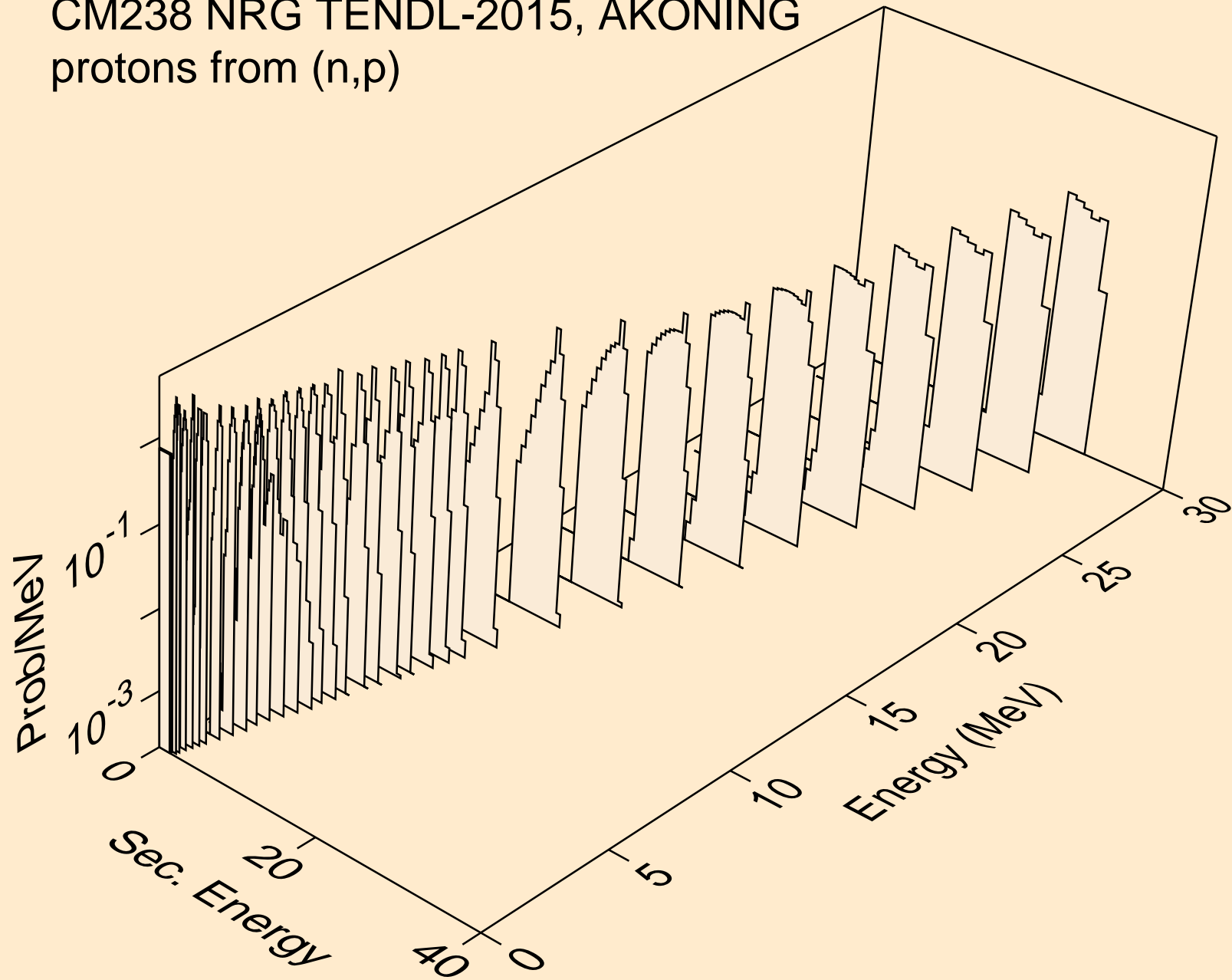
CM238 NRG TENDL-2015, AKONING  
protons from (n,2np)



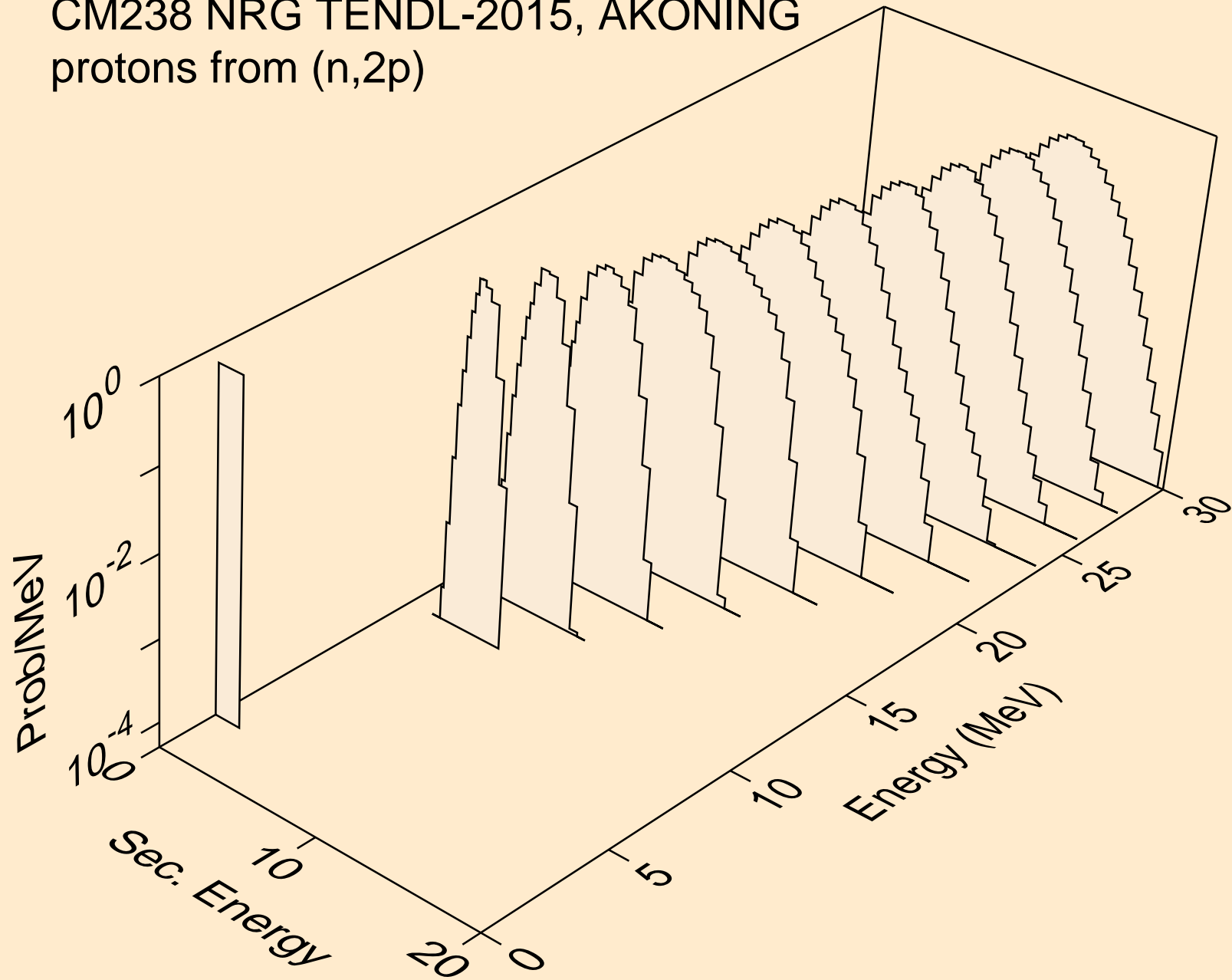
CM238 NRG TENDL-2015, AKONING  
protons from (n,npa)



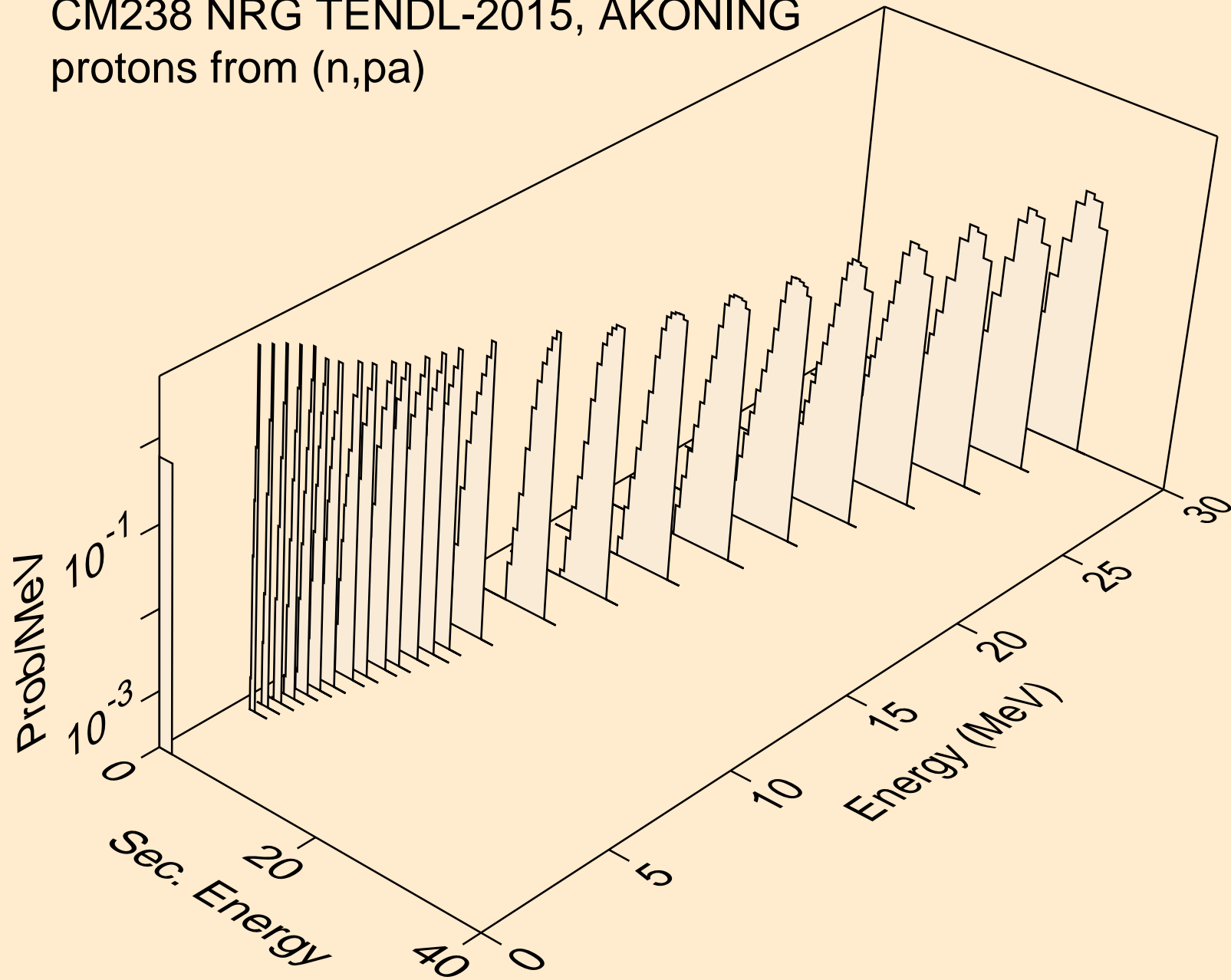
CM238 NRG TENDL-2015, AKONING  
protons from (n,p)



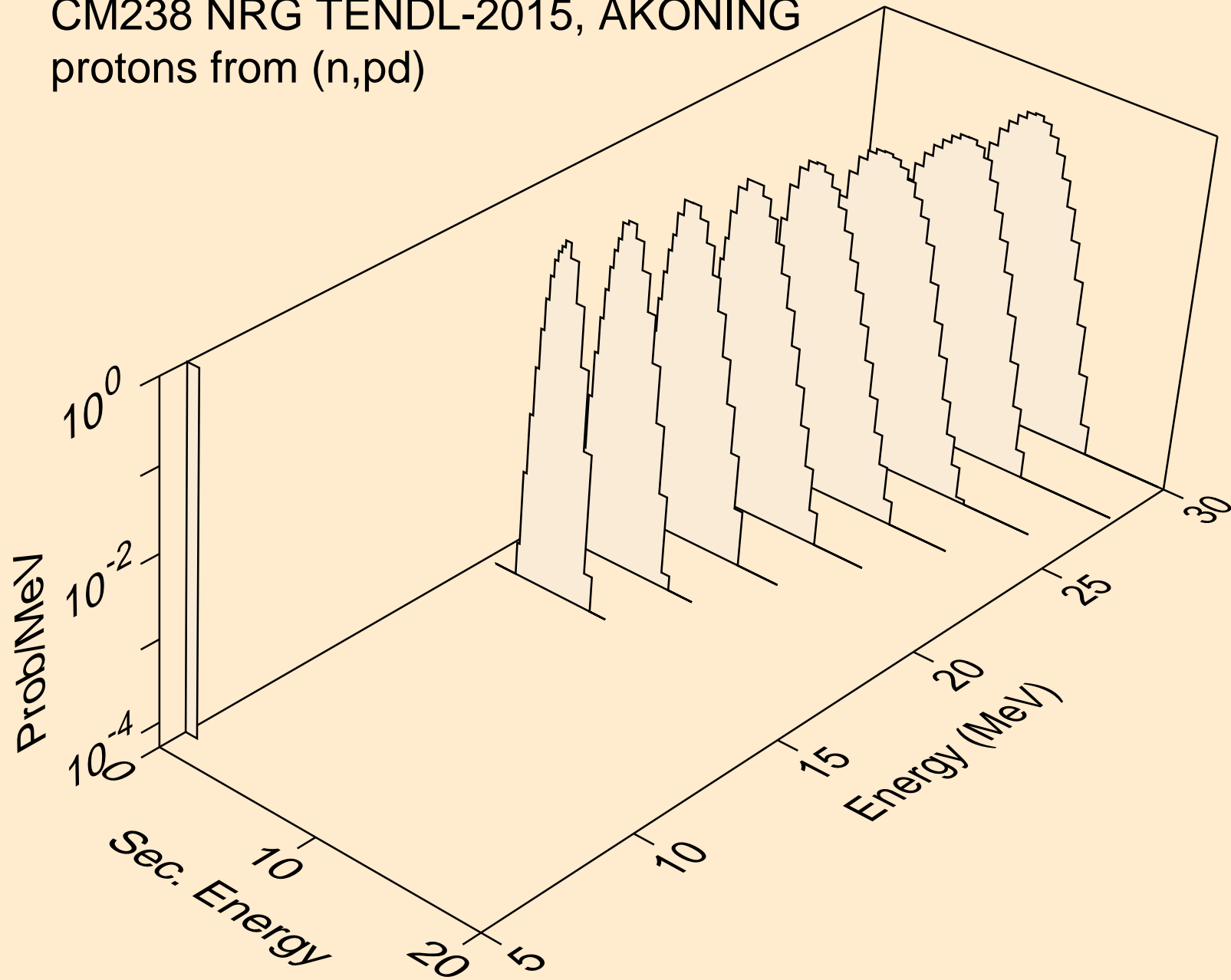
CM238 NRG TENDL-2015, AKONING  
protons from (n,2p)



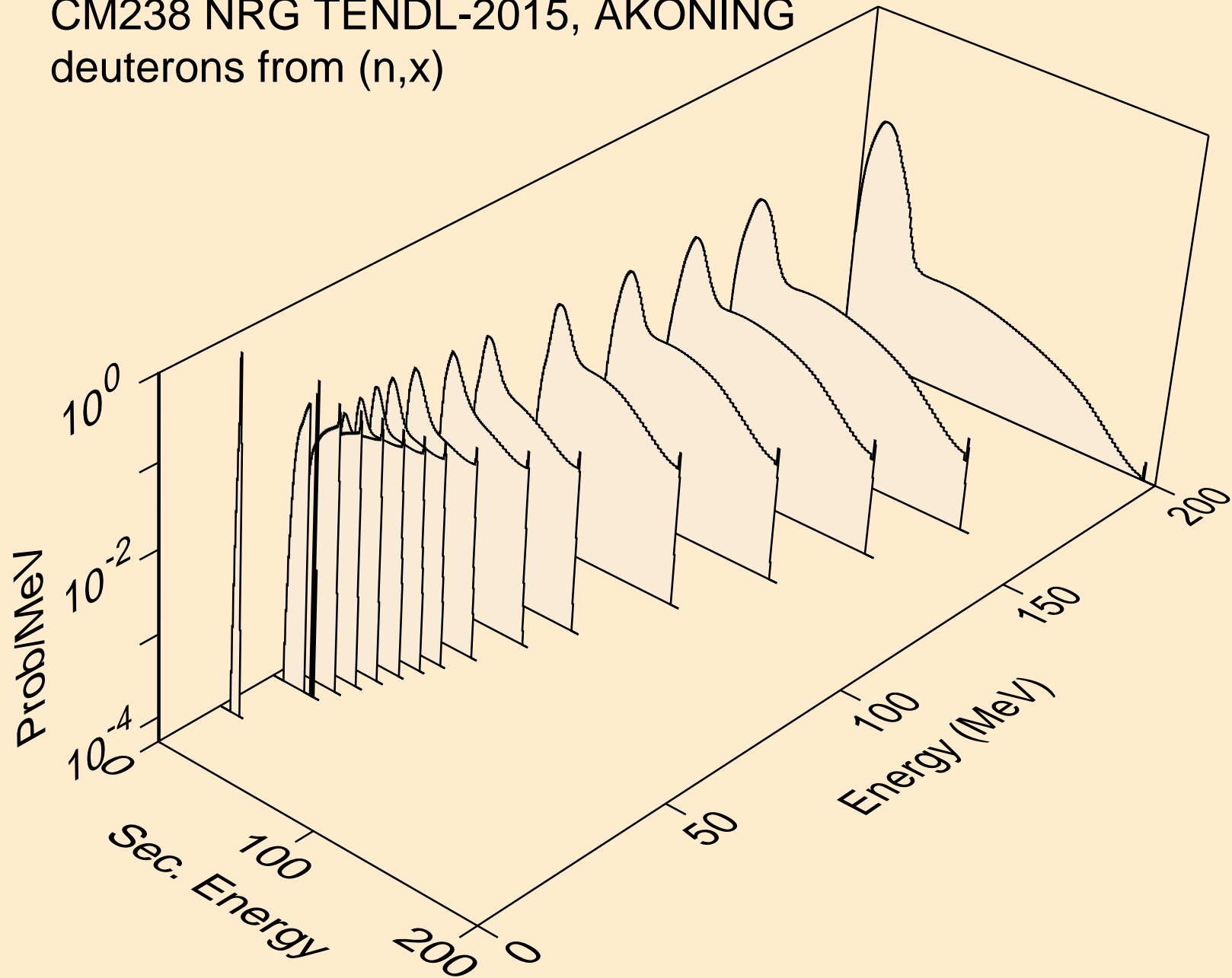
CM238 NRG TENDL-2015, AKONING  
protons from (n,pa)



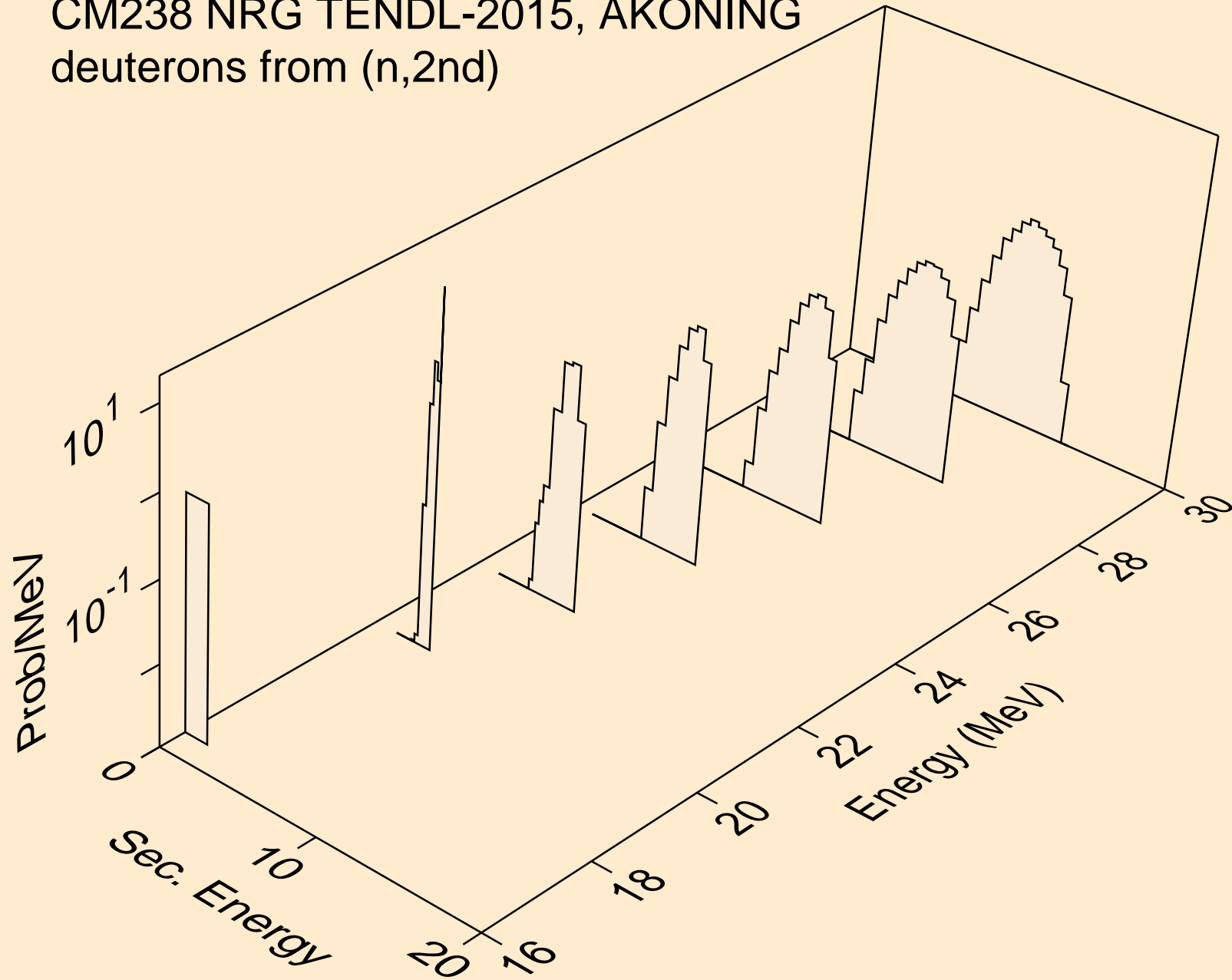
CM238 NRG TENDL-2015, AKONING  
protons from (n,pd)



CM238 NRG TENDL-2015, AKONING  
deuterons from (n,x)

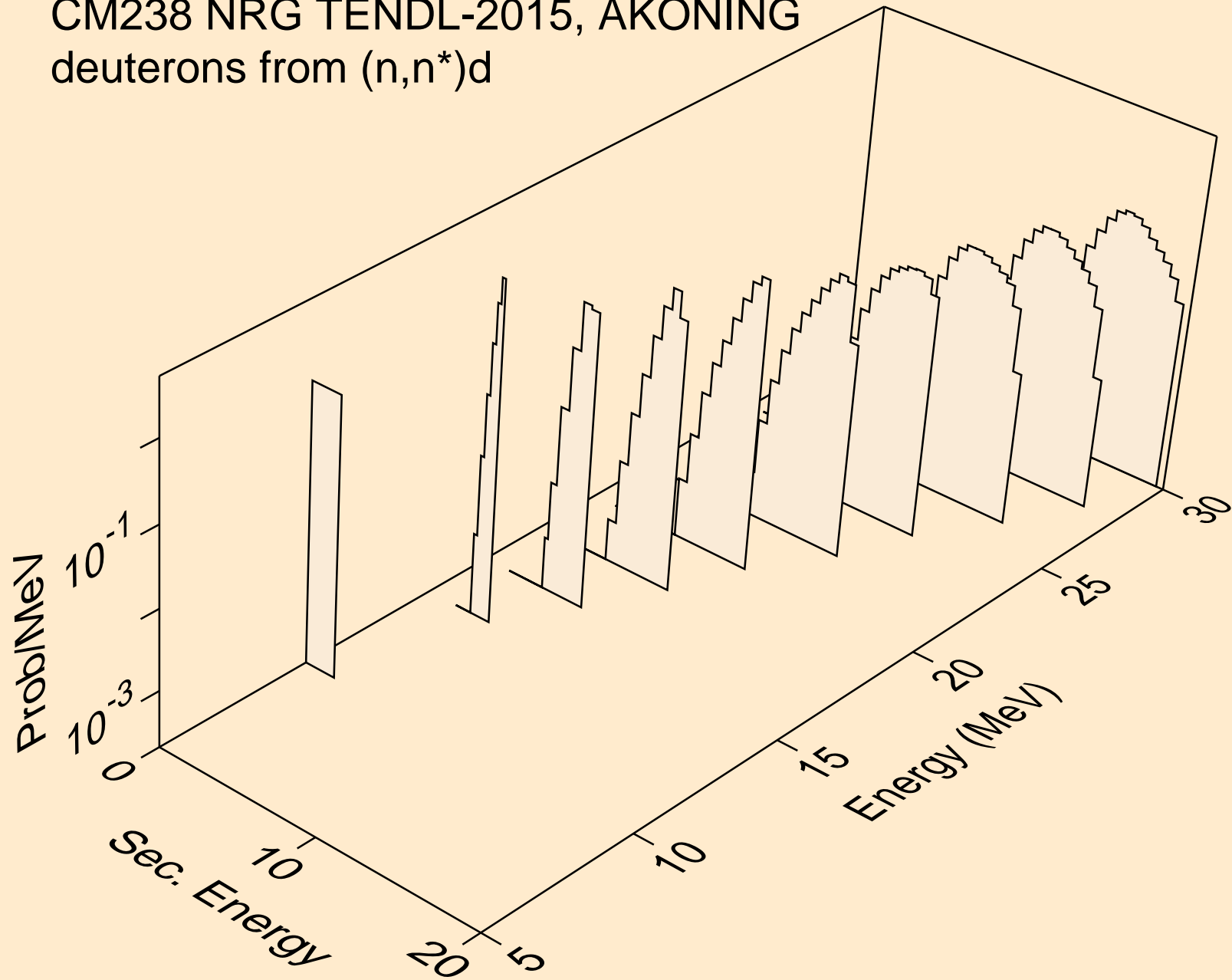


CM238 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)

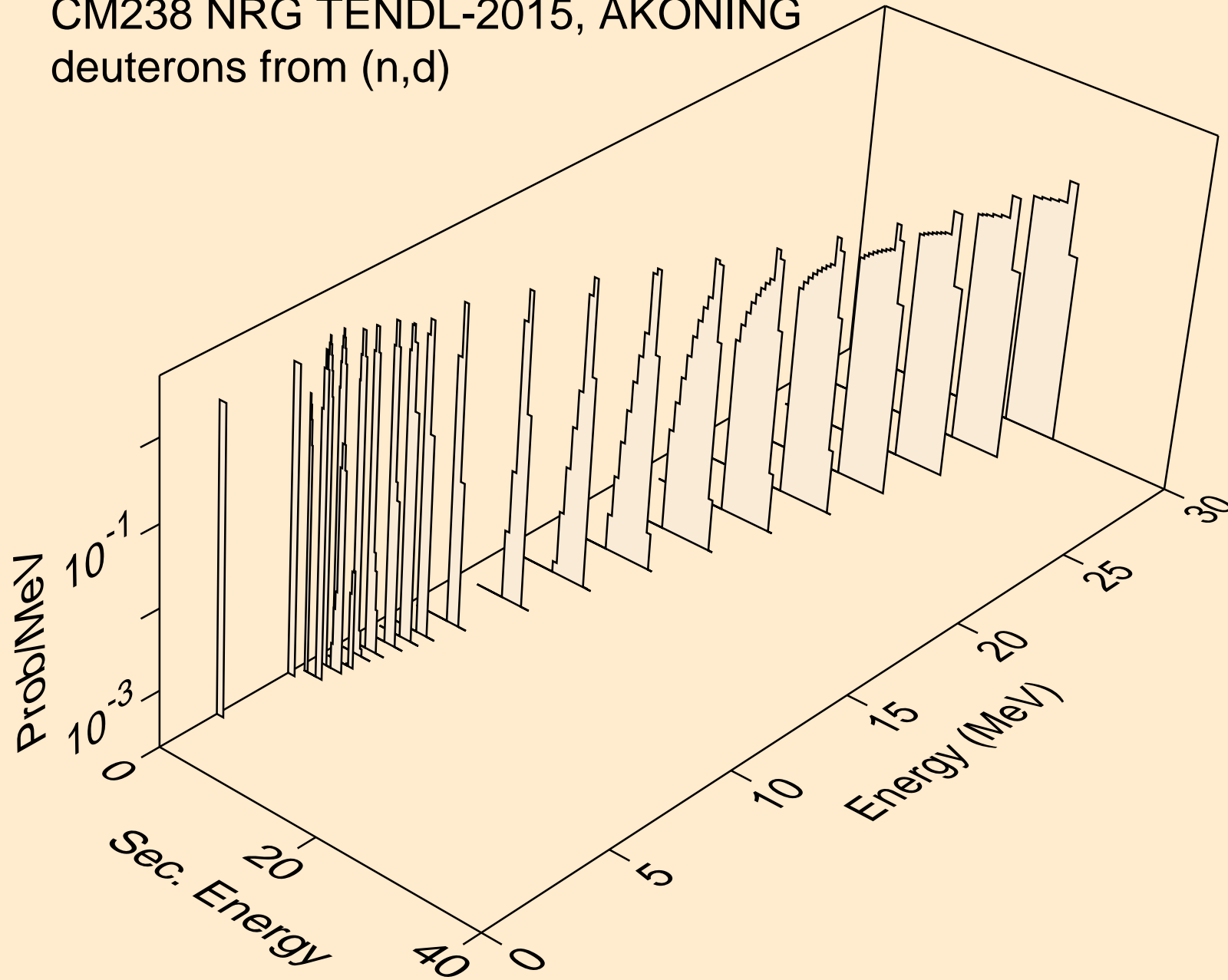




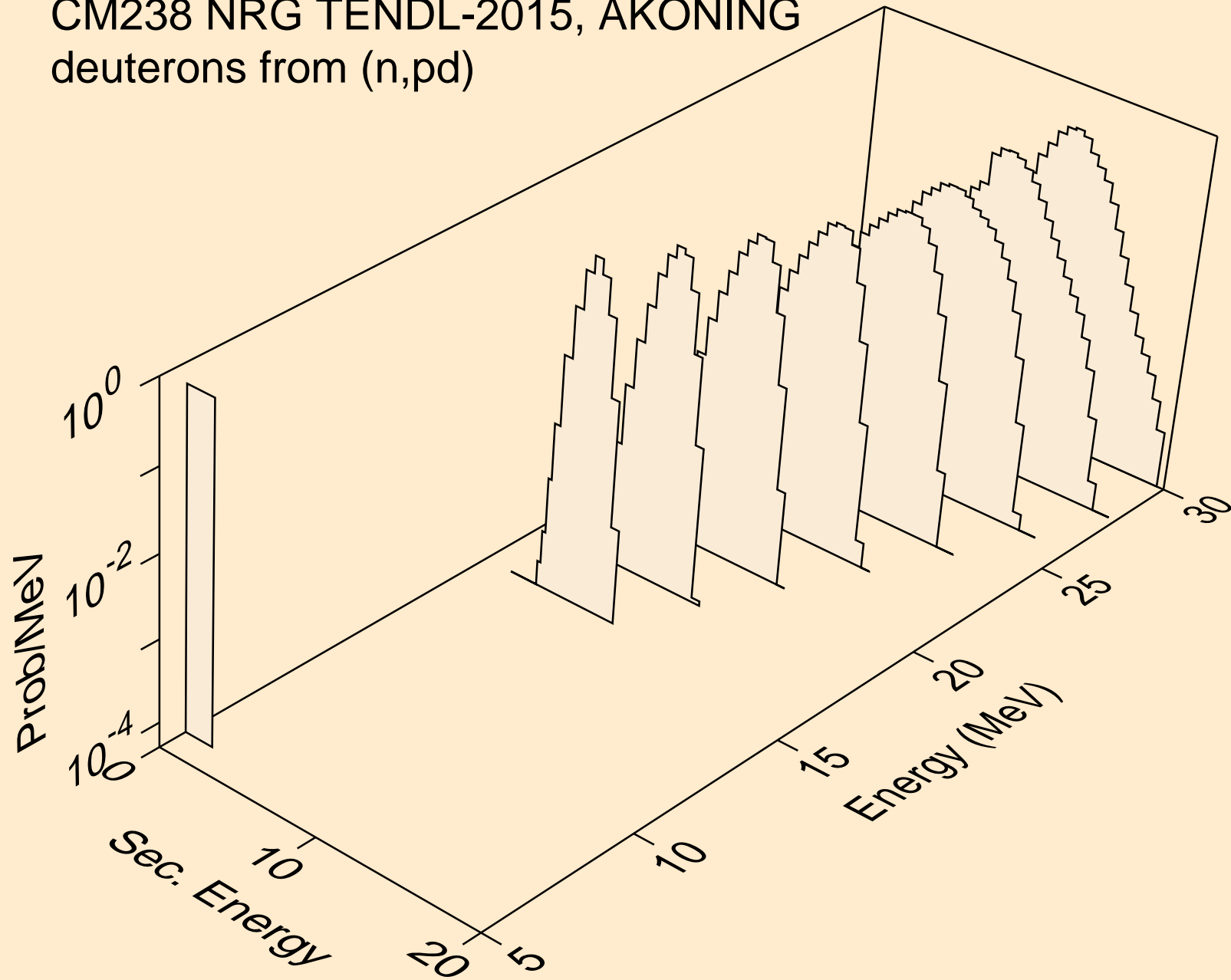
CM238 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



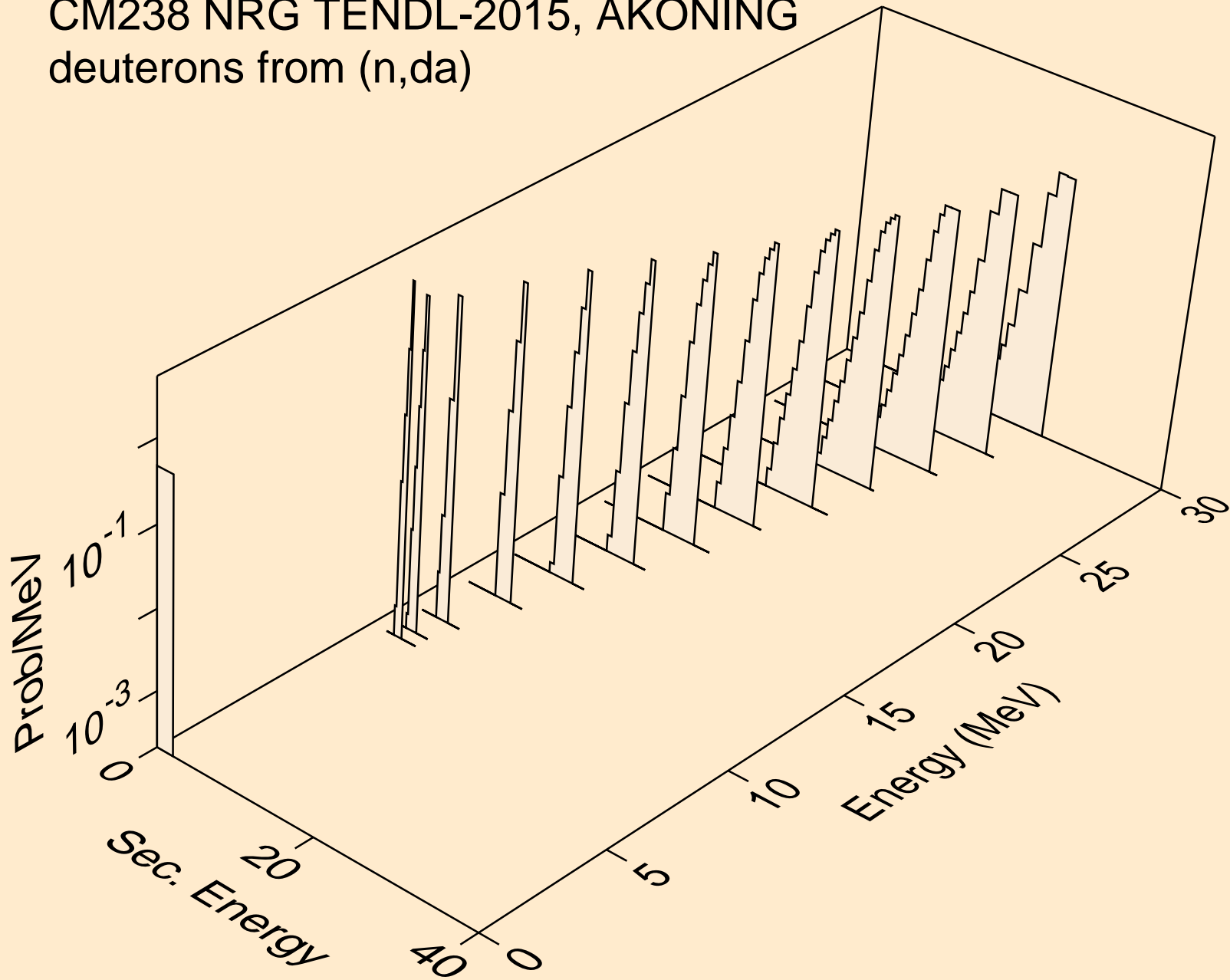
CM238 NRG TENDL-2015, AKONING  
deuterons from (n,d)



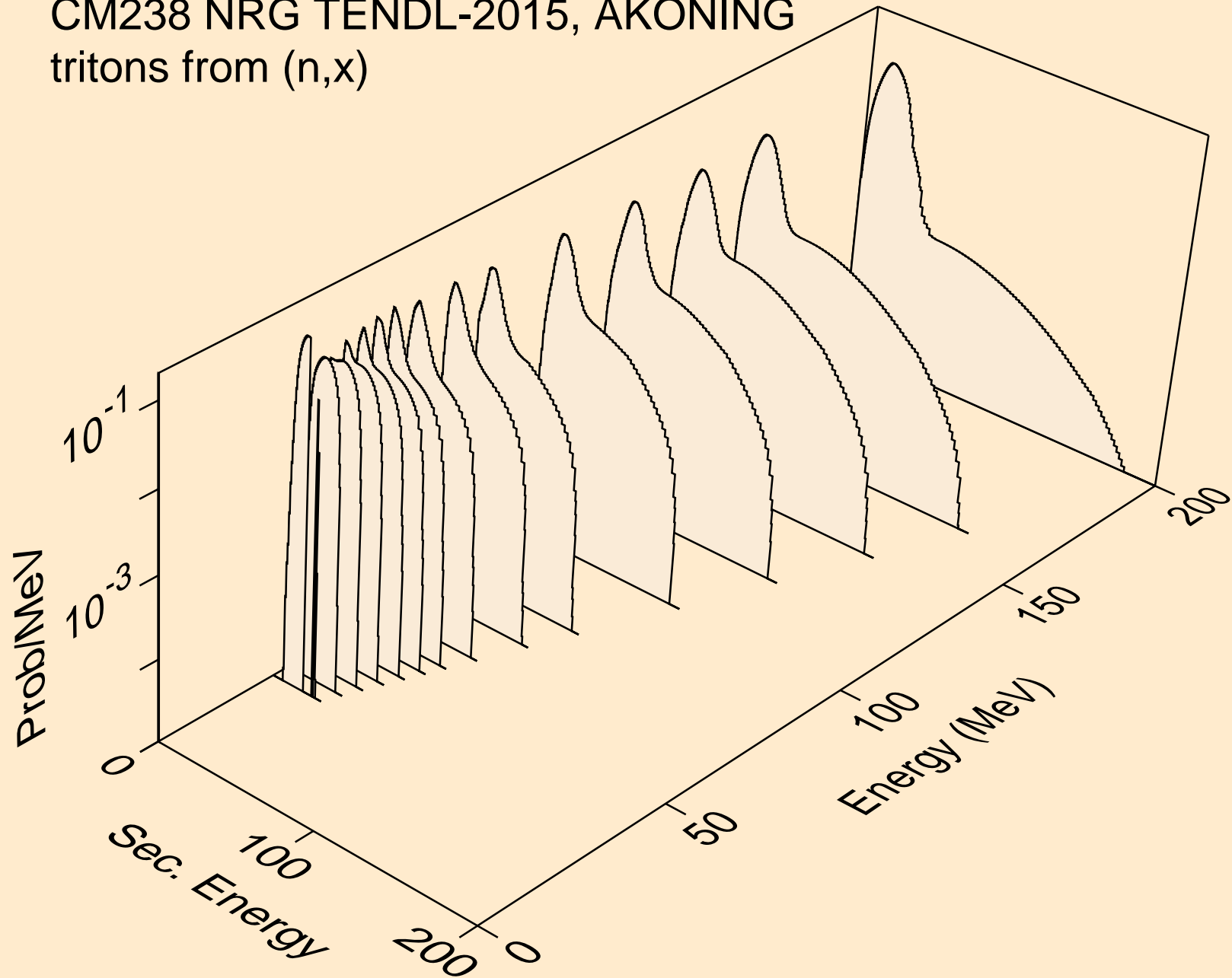
CM238 NRG TENDL-2015, AKONING  
deuterons from (n,pd)



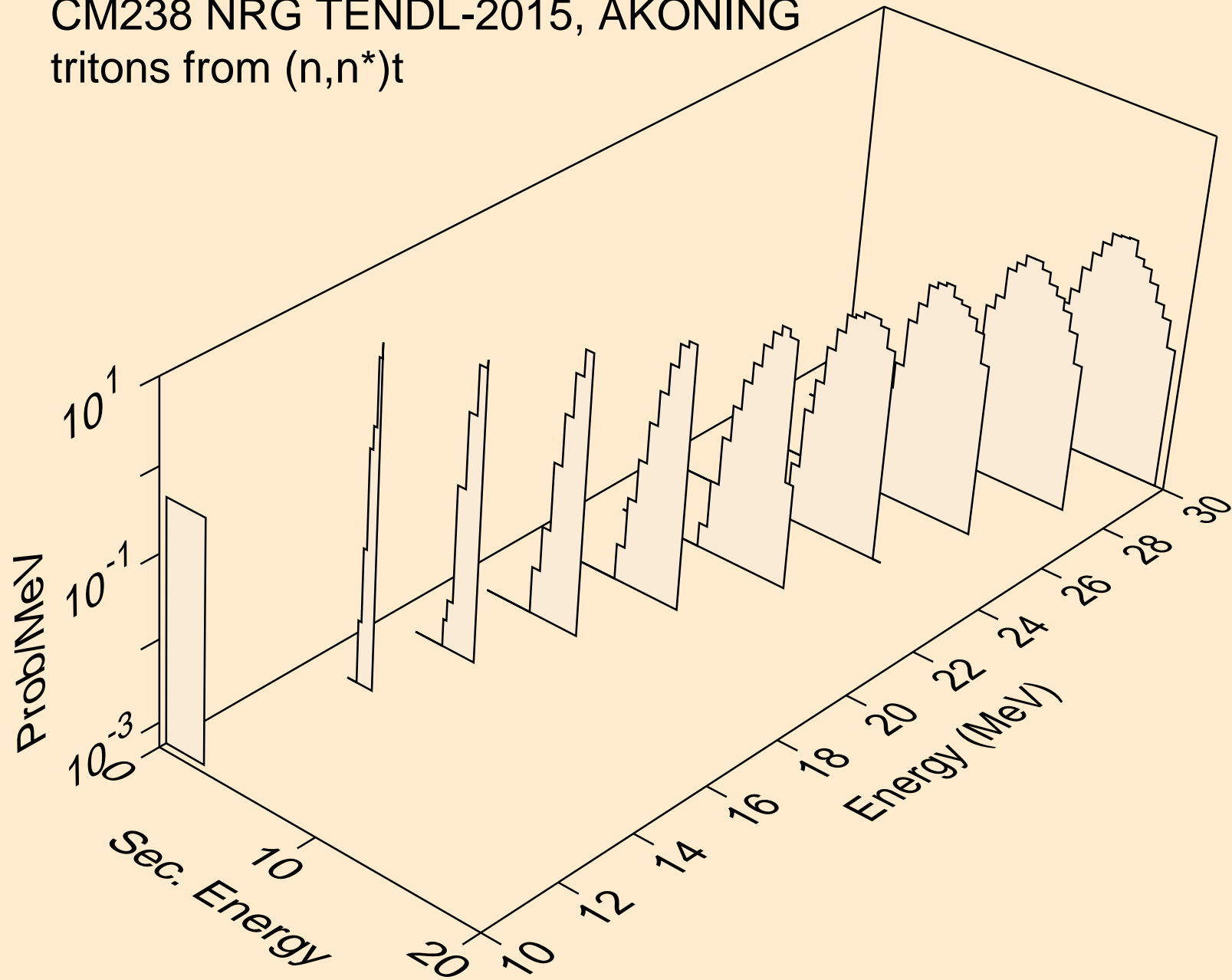
CM238 NRG TENDL-2015, AKONING  
deuterons from (n,da)



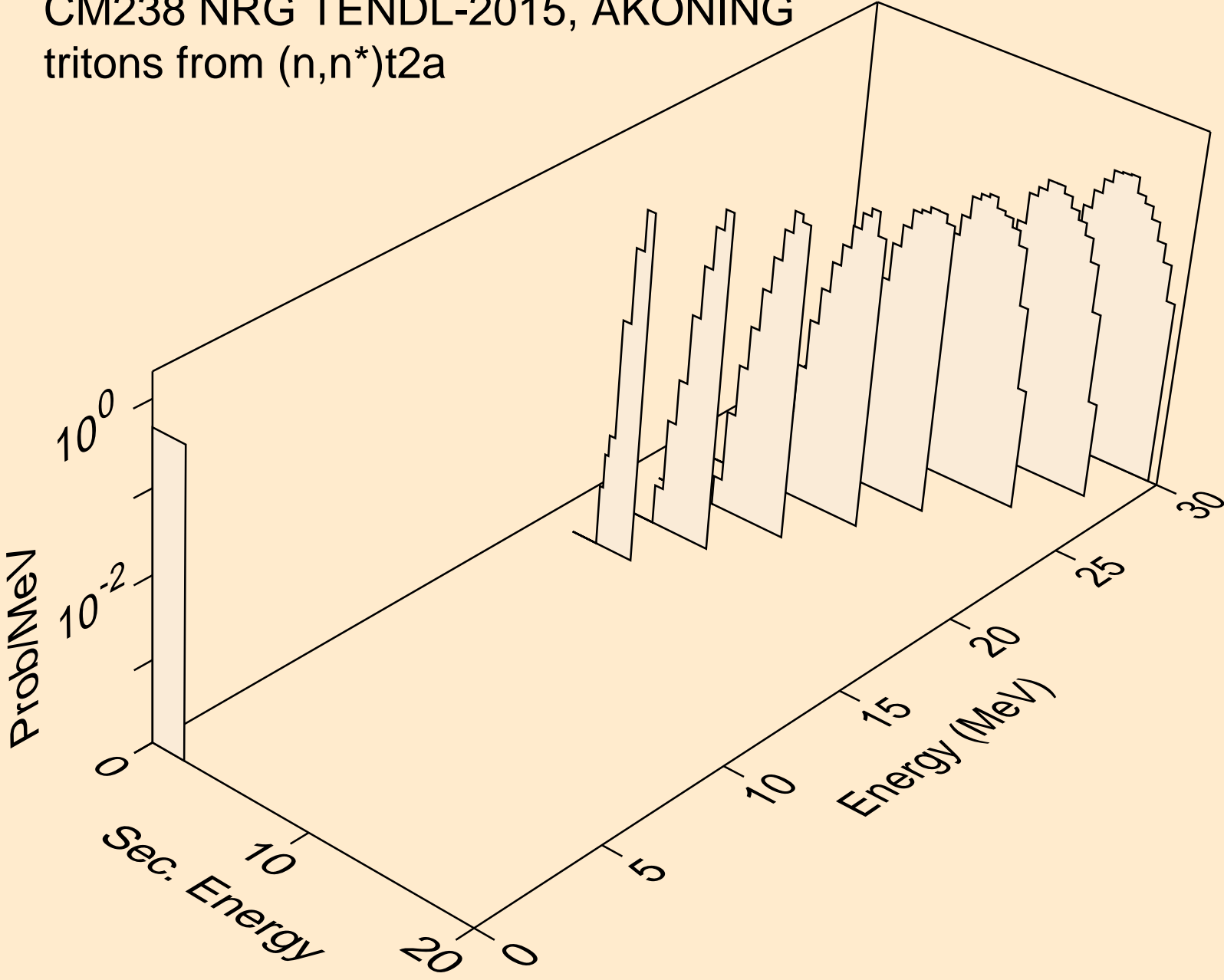
CM238 NRG TENDL-2015, AKONING  
tritons from (n,x)



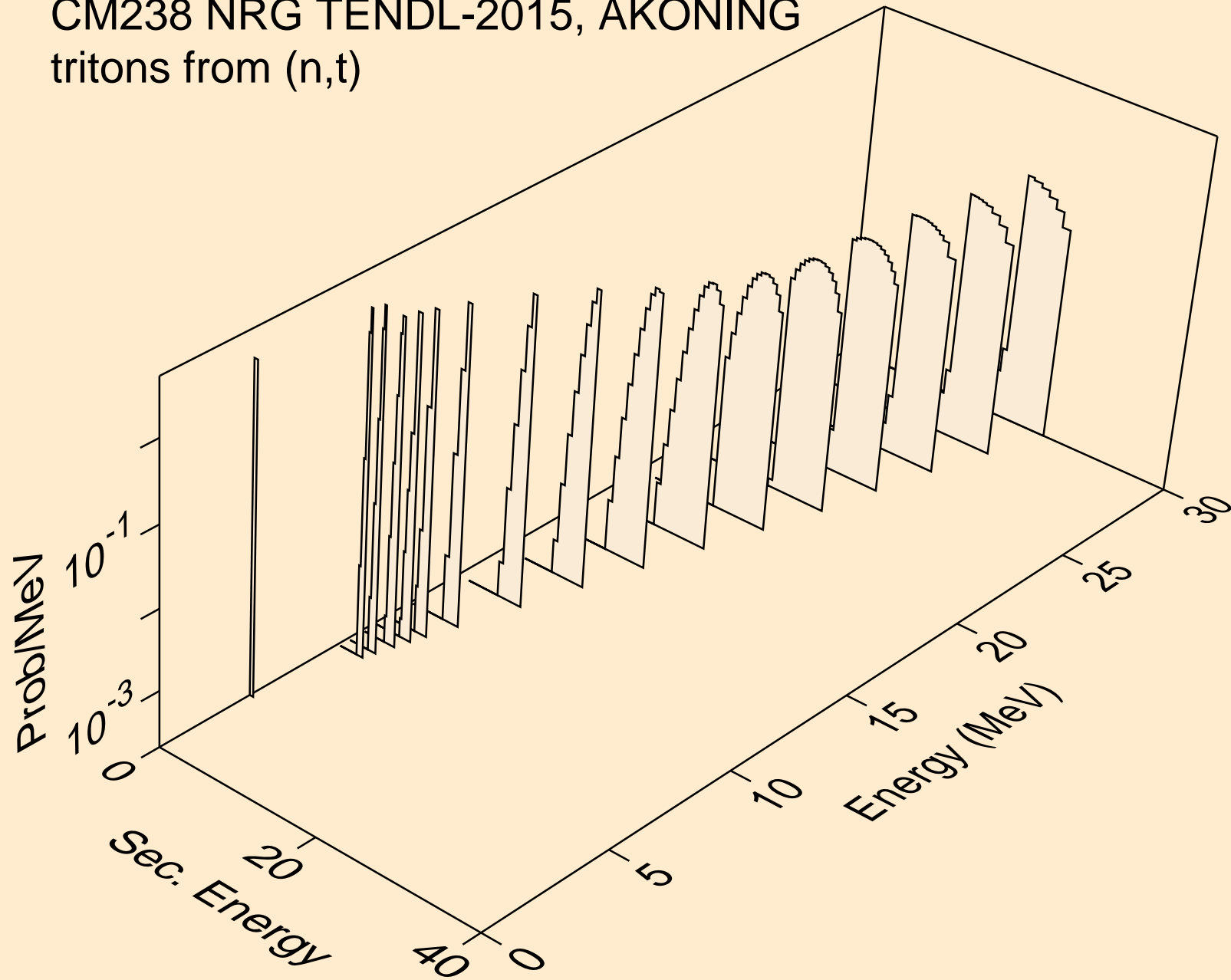
CM238 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



CM238 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t2a

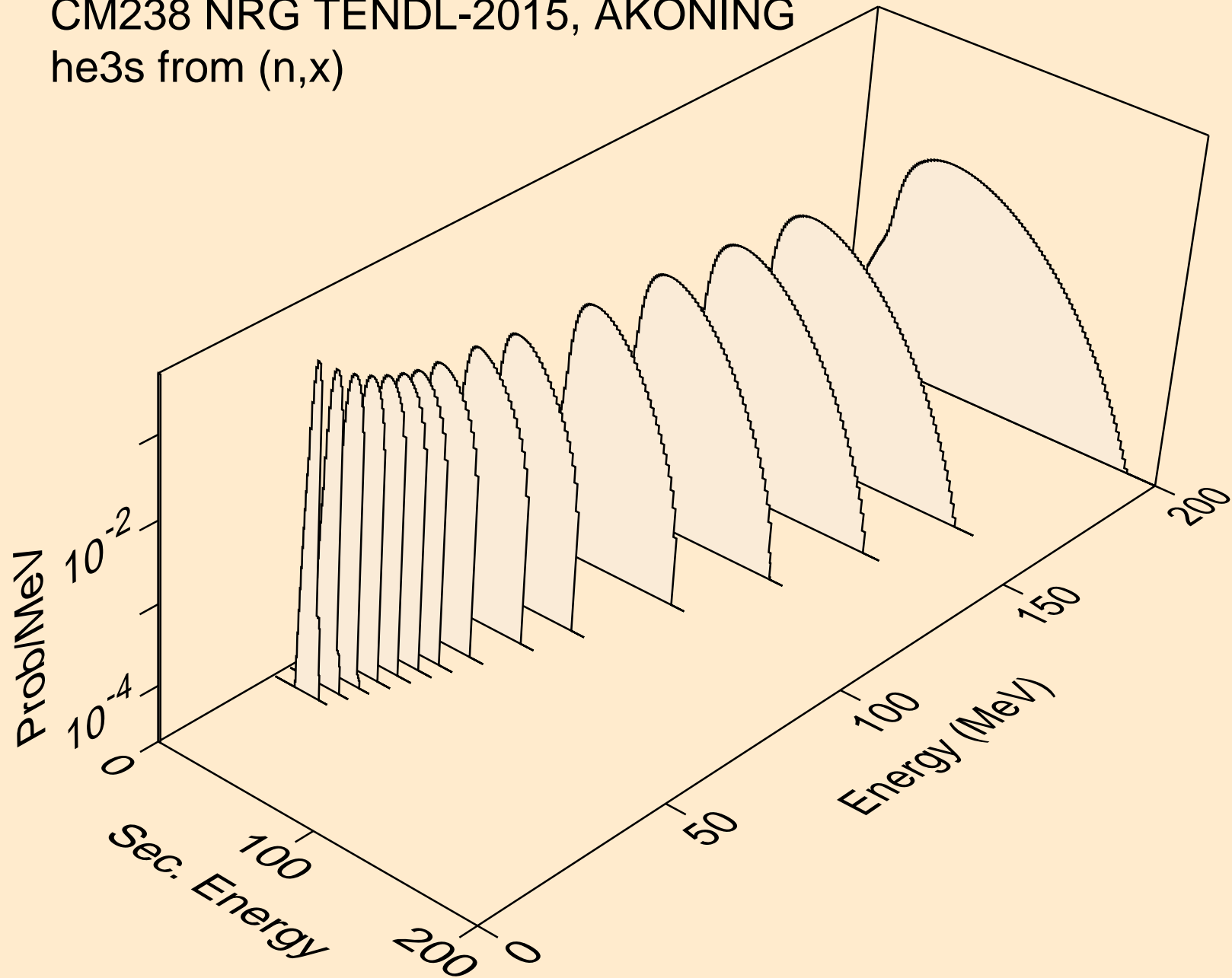


CM238 NRG TENDL-2015, AKONING  
tritons from (n,t)

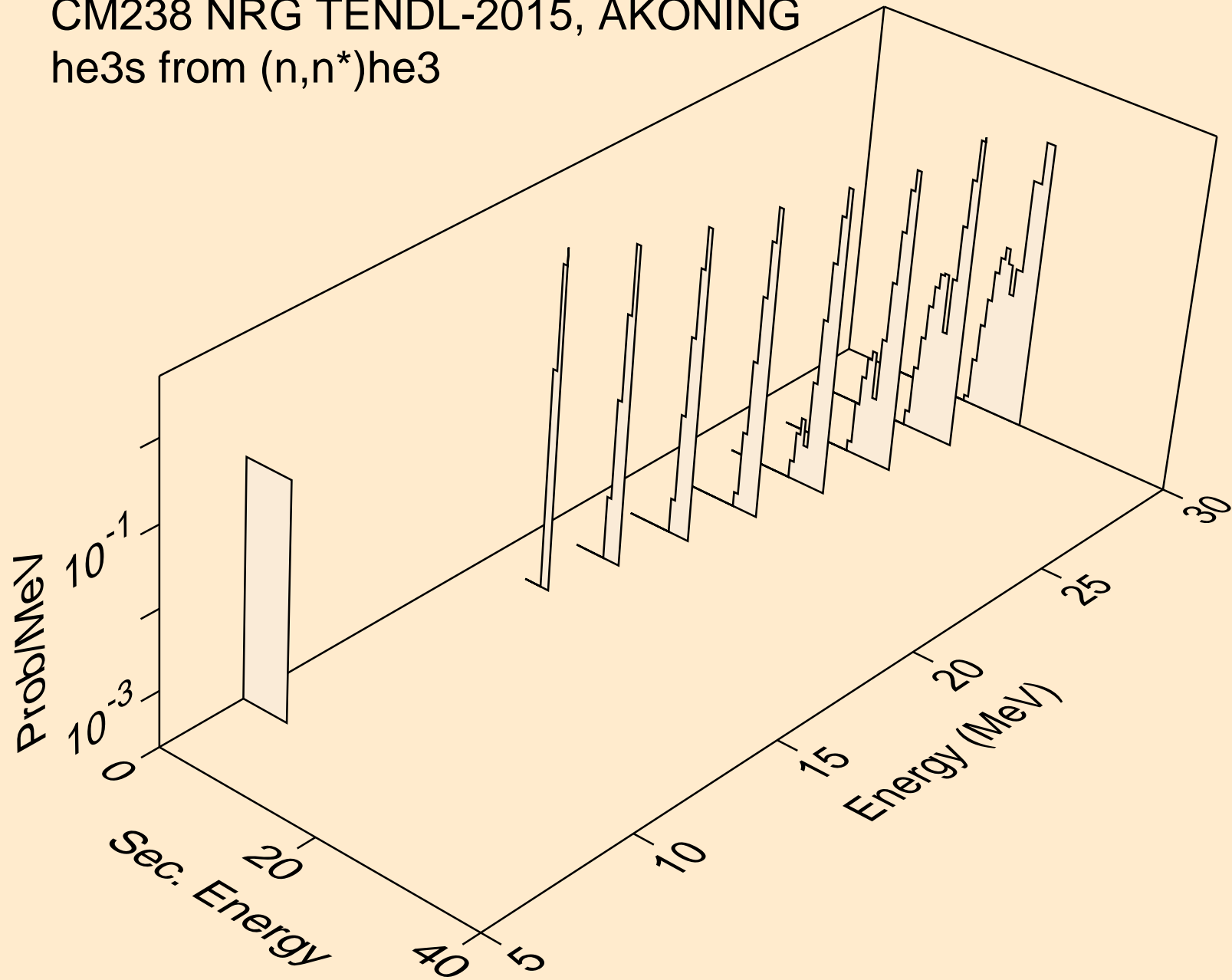




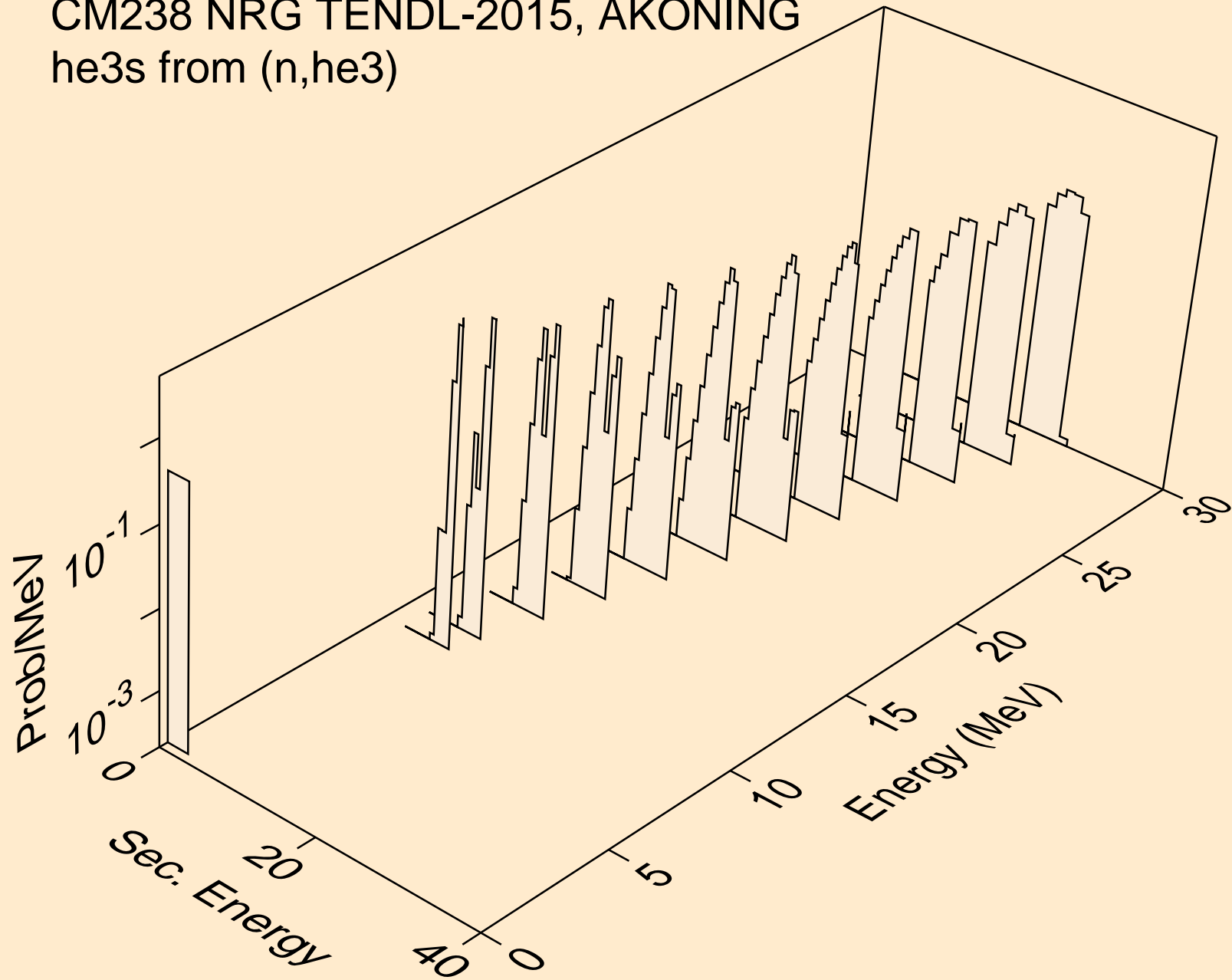
CM238 NRG TENDL-2015, AKONING  
he3s from (n,x)



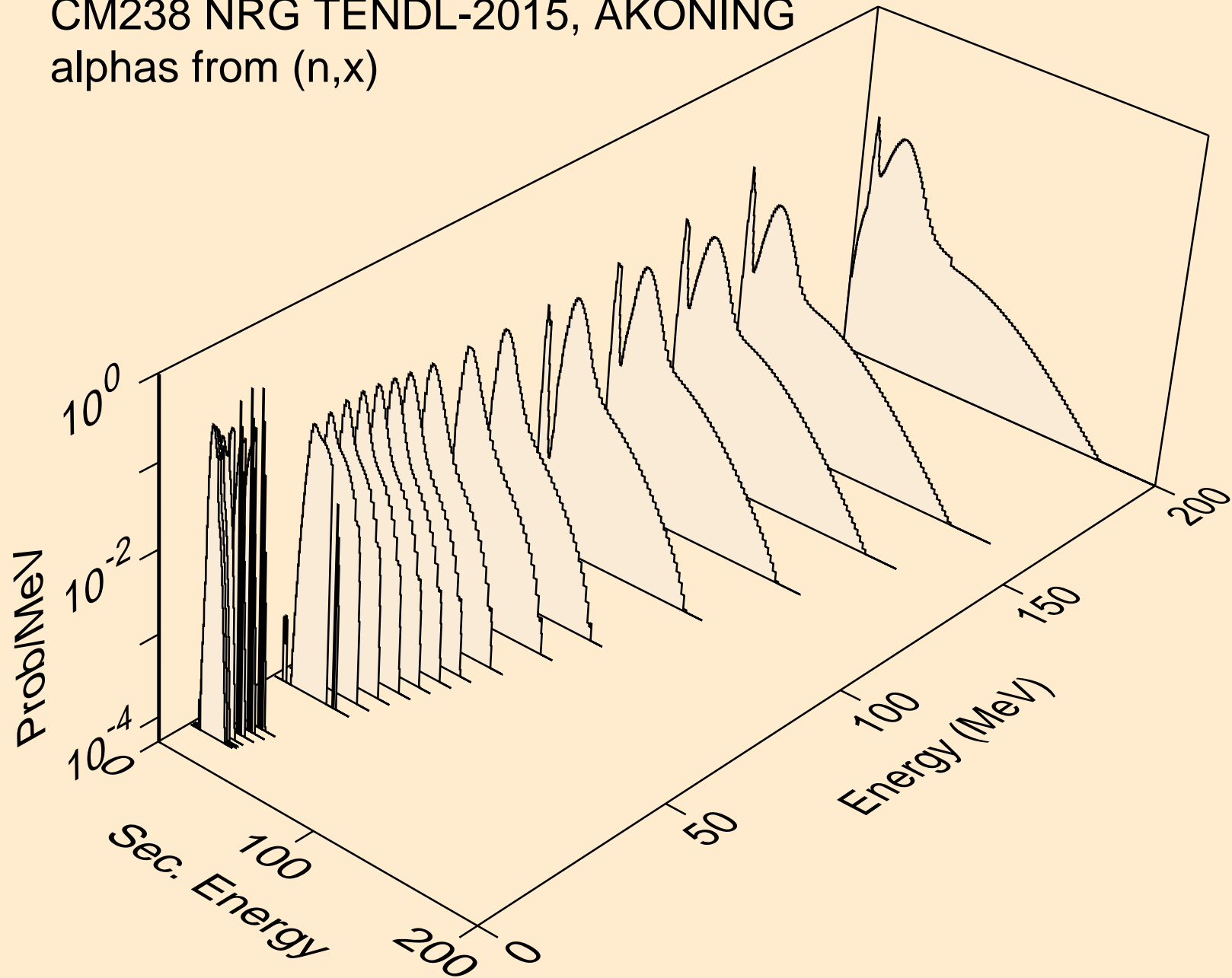
CM238 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



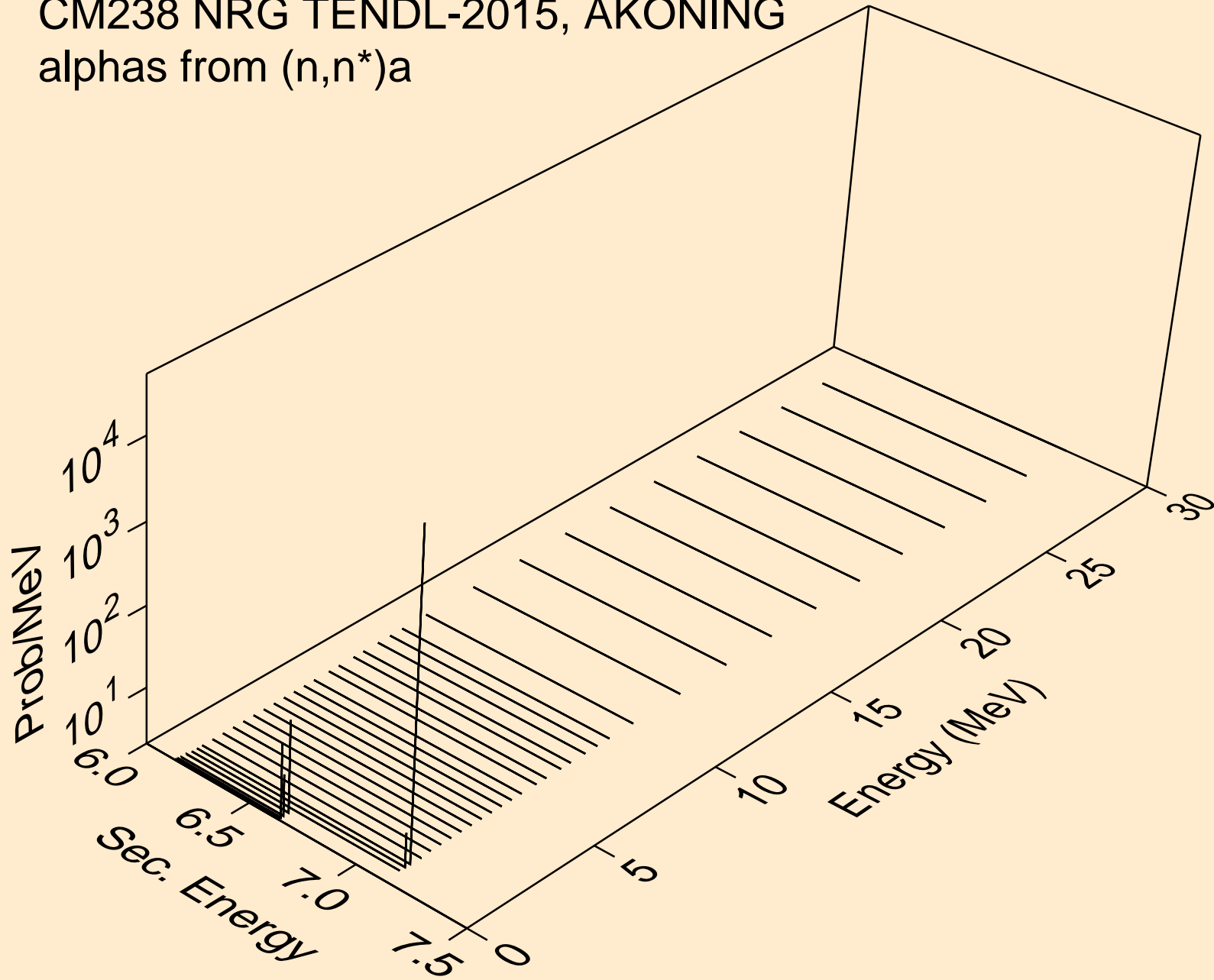
CM238 NRG TENDL-2015, AKONING  
he3s from (n,he3)



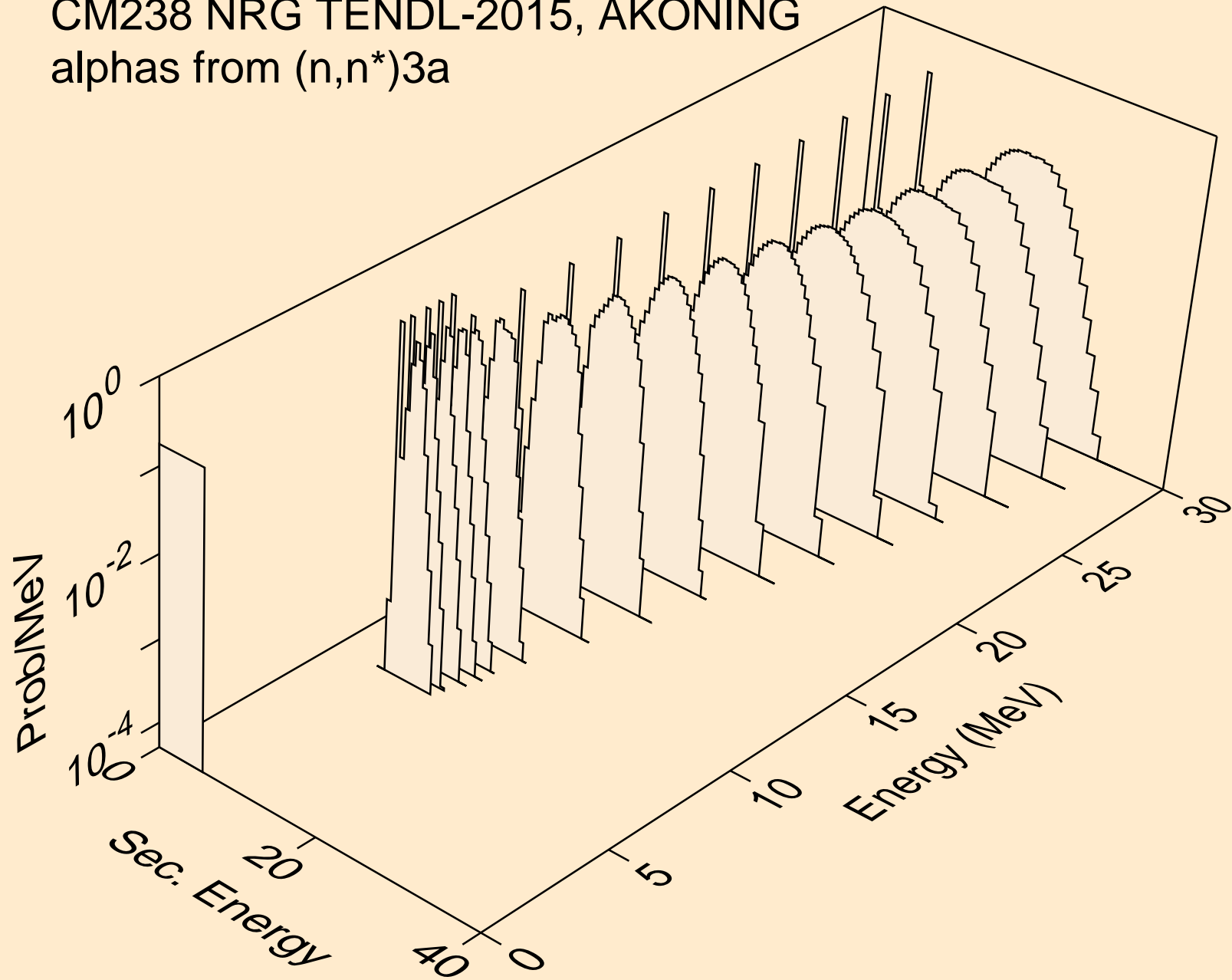
CM238 NRG TENDL-2015, AKONING  
alphas from (n,x)



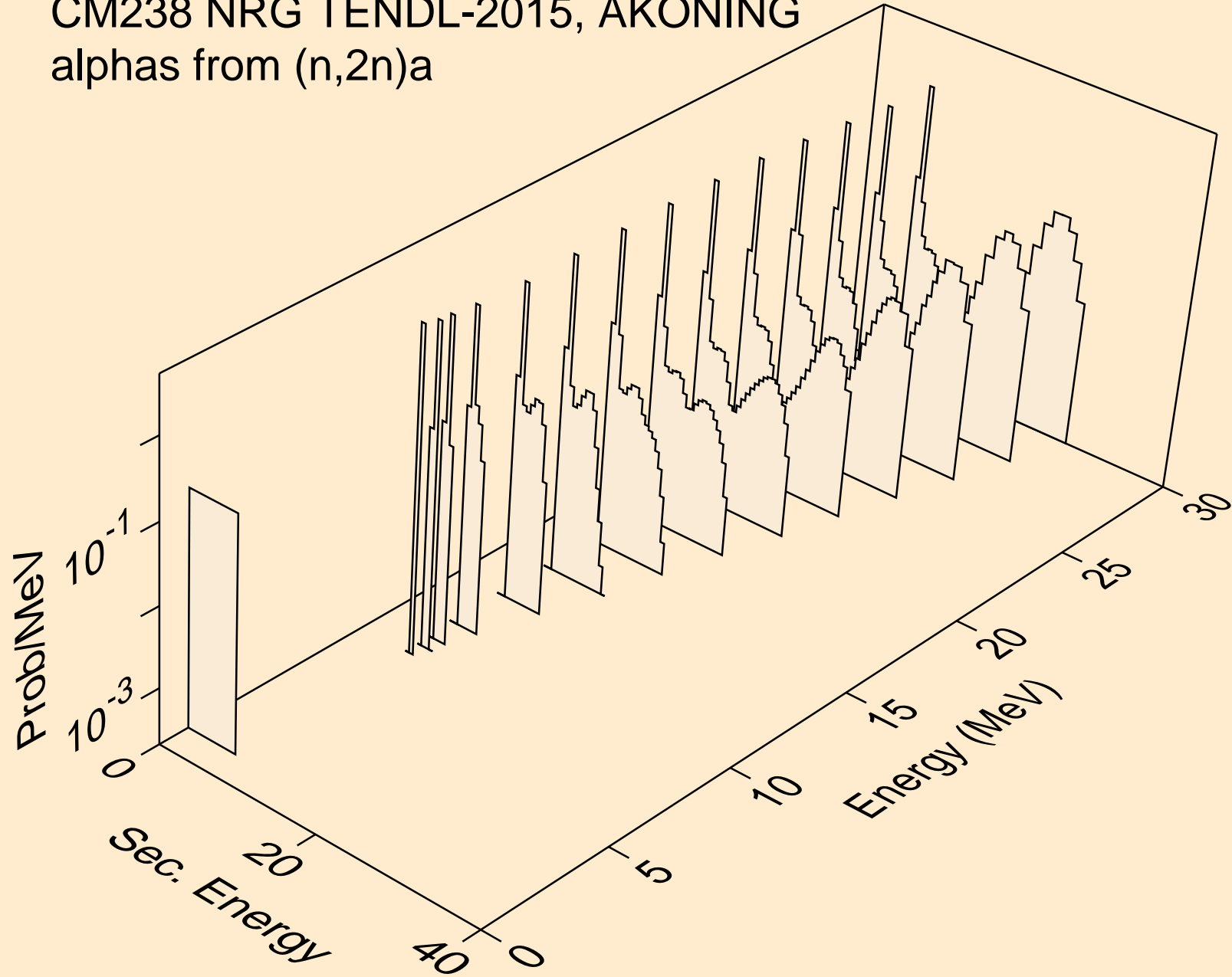
CM238 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



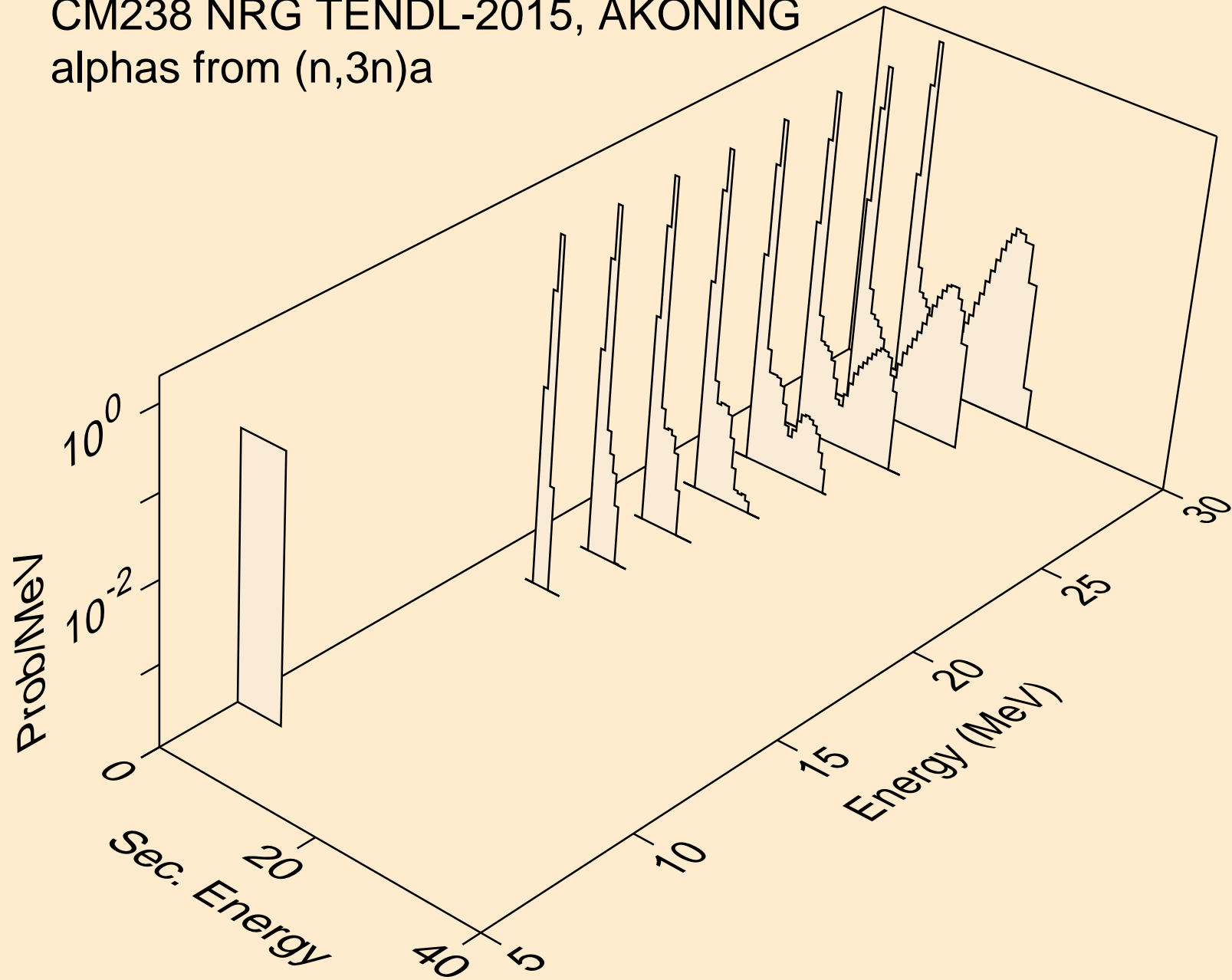
CM238 NRG TENDL-2015, AKONING  
alphas from (n,n\*)3a



CM238 NRG TENDL-2015, AKONING  
alphas from (n,2n)a

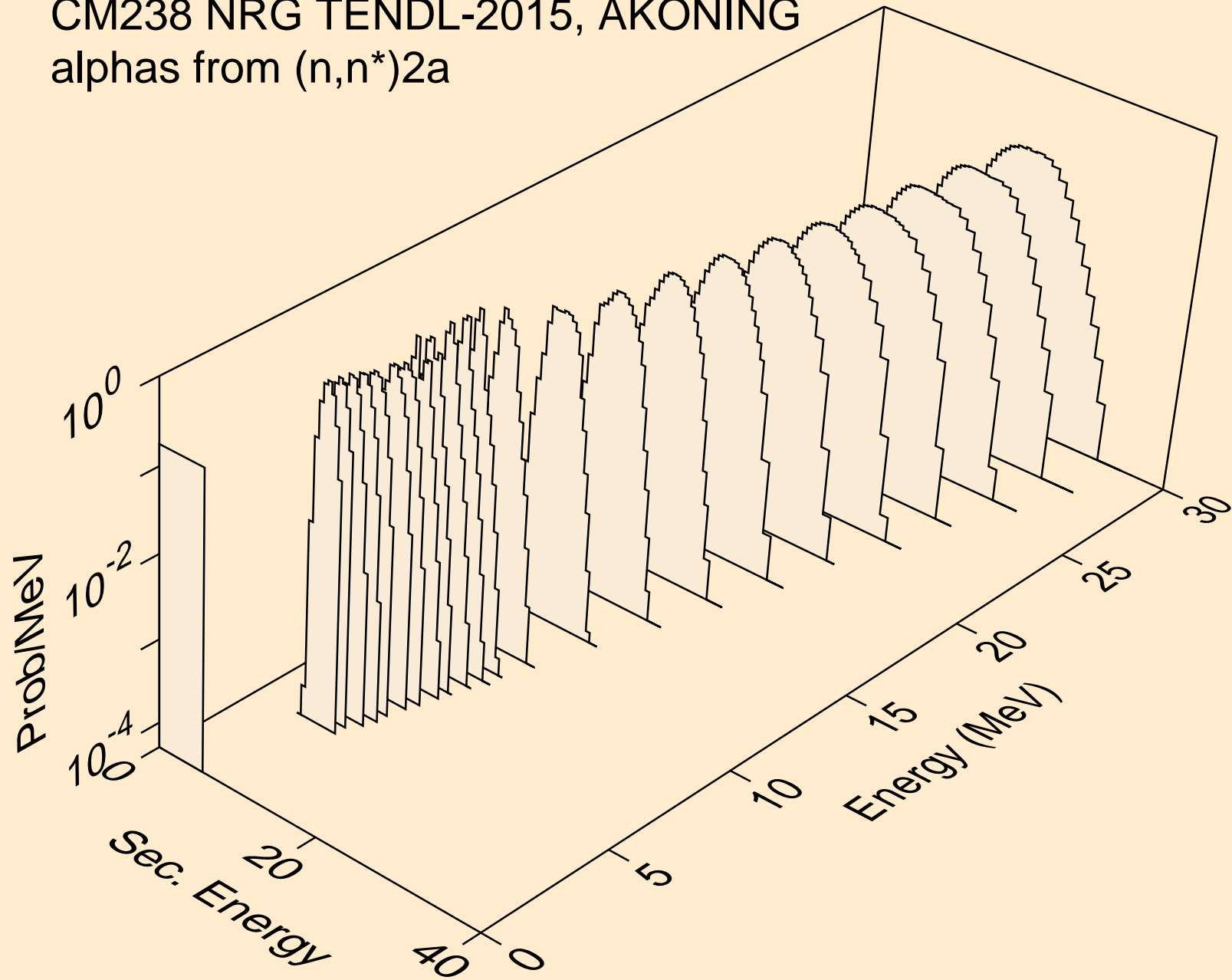


CM238 NRG TENDL-2015, AKONING  
alphas from (n,3n)a

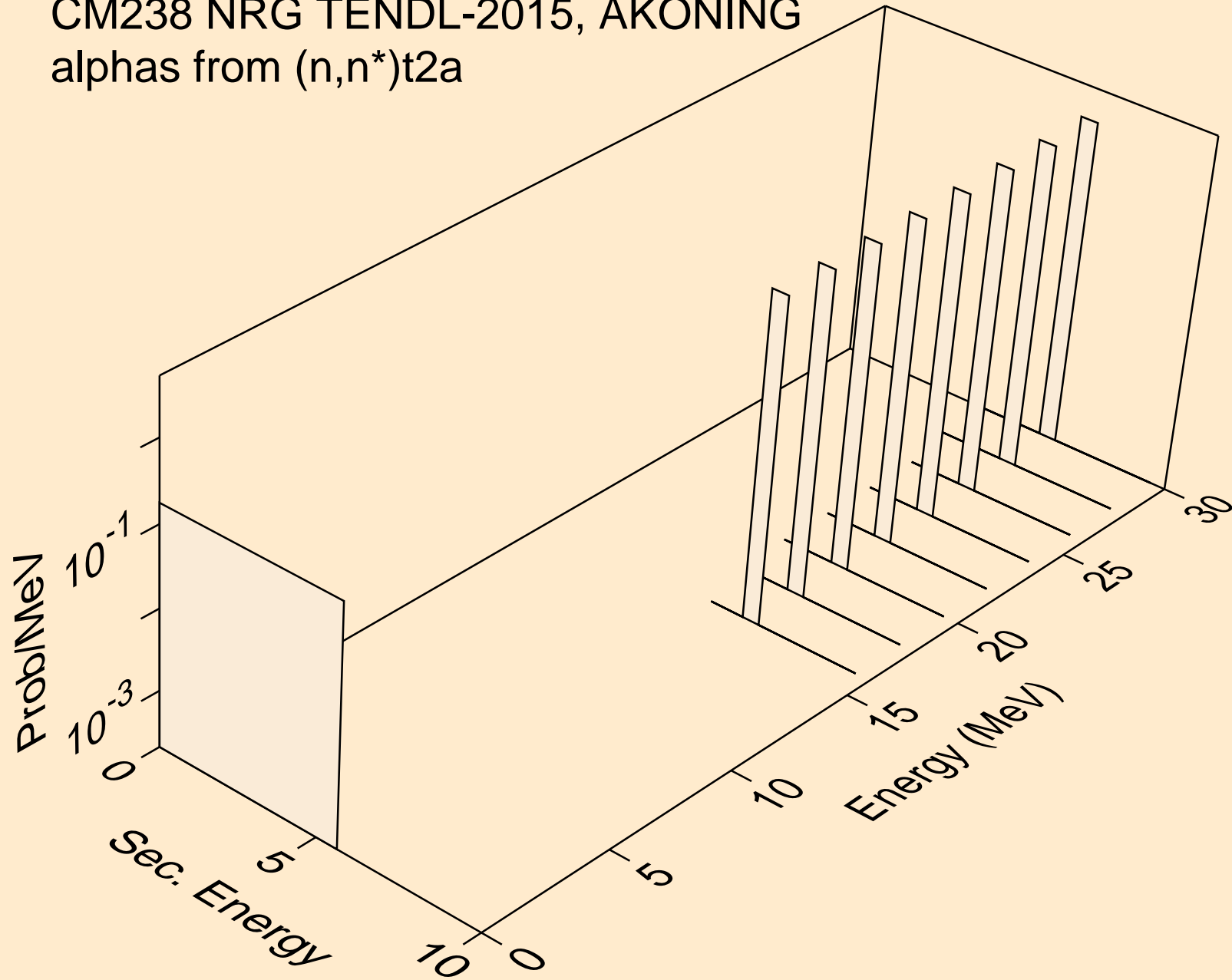




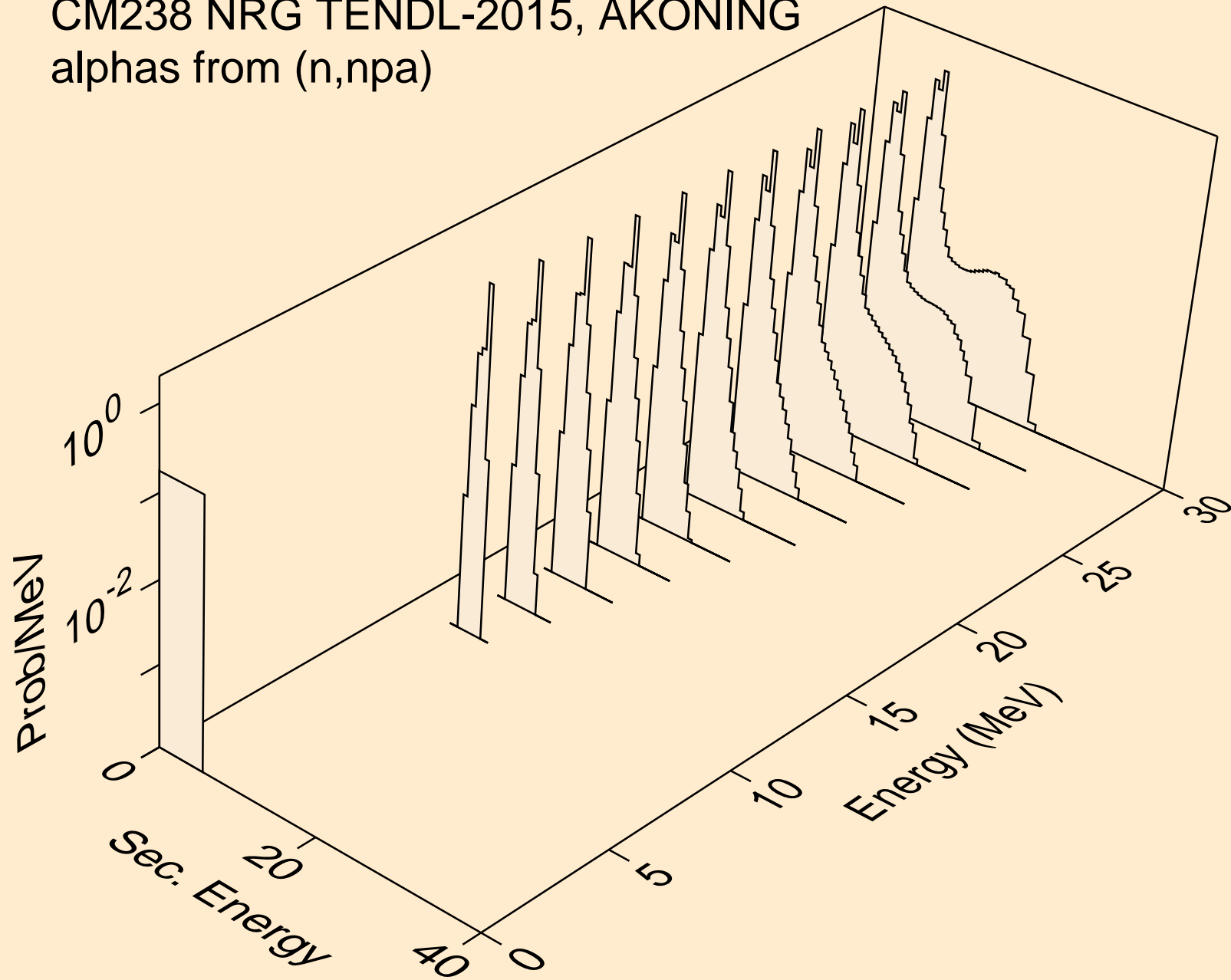
CM238 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



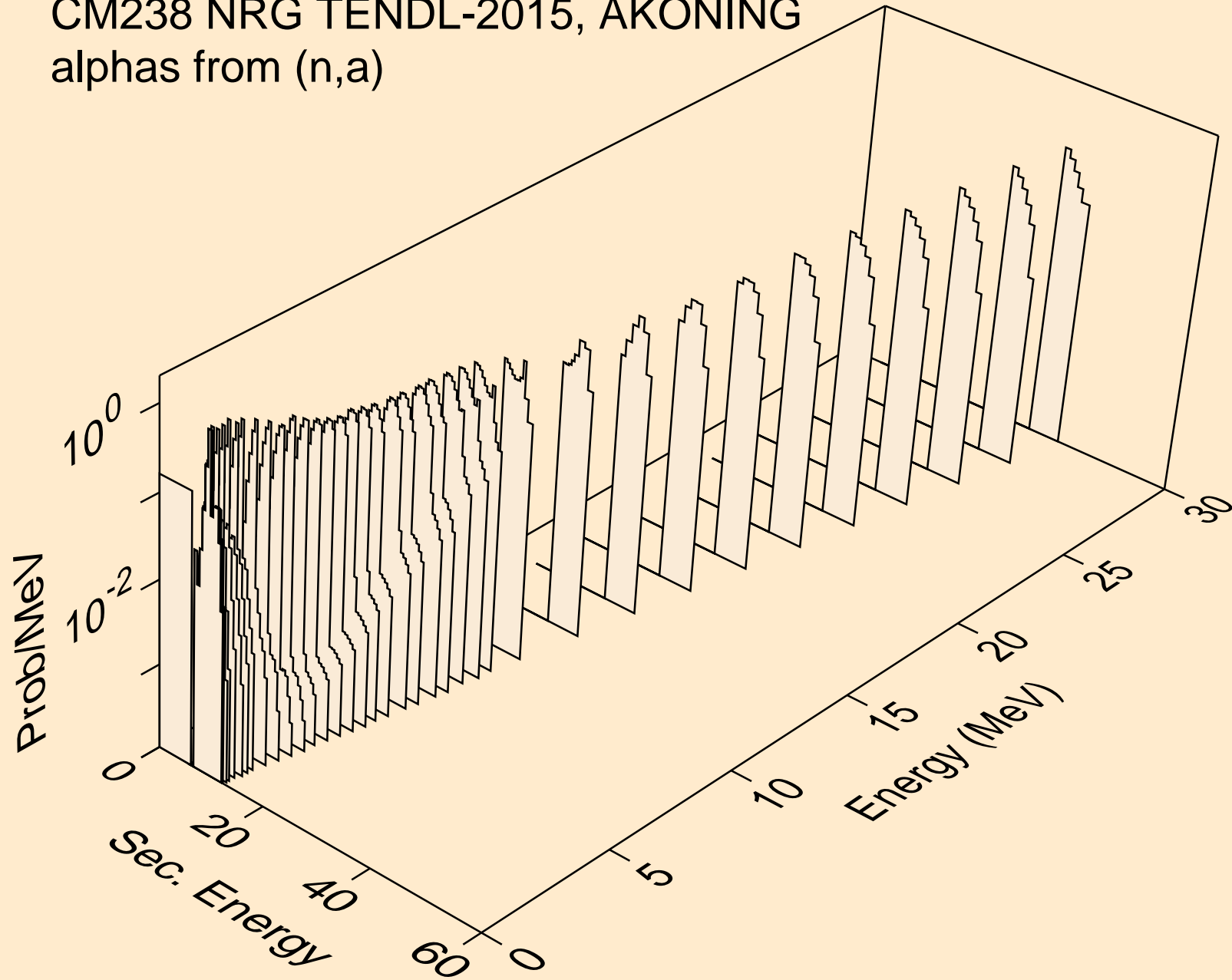
CM238 NRG TENDL-2015, AKONING  
alphas from (n,n\*)t2a



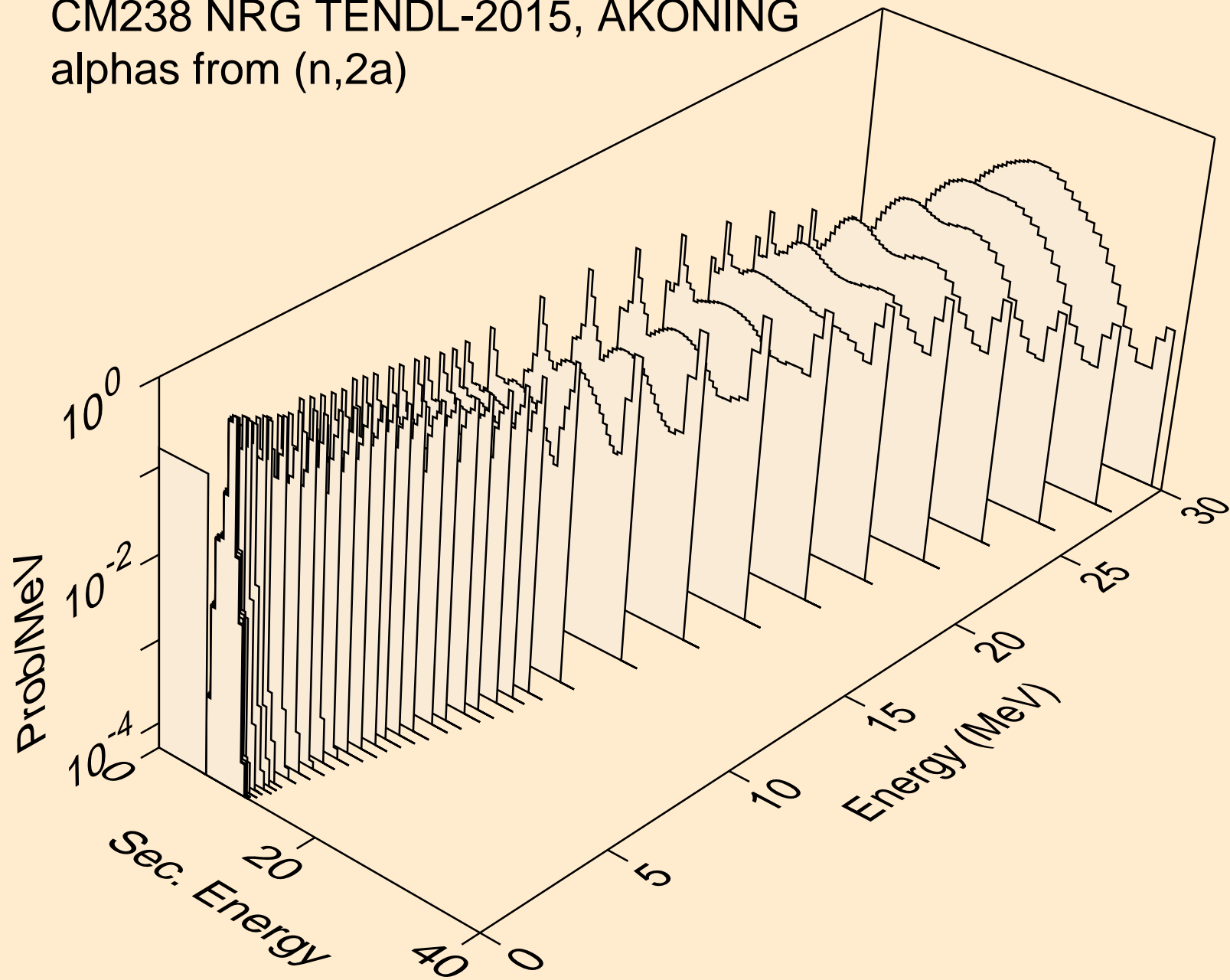
CM238 NRG TENDL-2015, AKONING  
alphas from (n,npa)



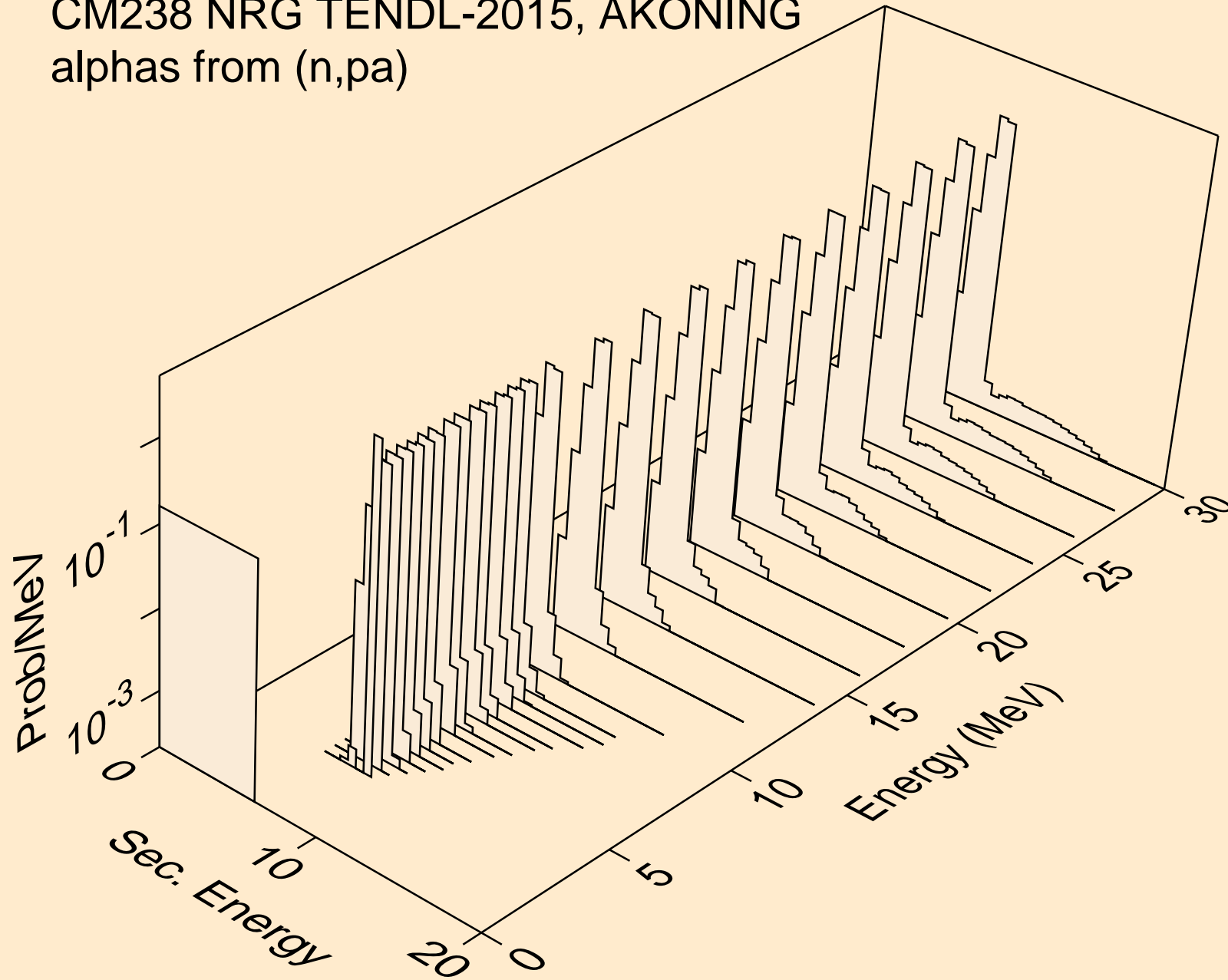
CM238 NRG TENDL-2015, AKONING  
alphas from (n,a)



CM238 NRG TENDL-2015, AKONING  
alphas from (n,2a)



CM238 NRG TENDL-2015, AKONING  
alphas from (n,pa)



CM238 NRG TENDL-2015, AKONING  
alphas from (n,da)

