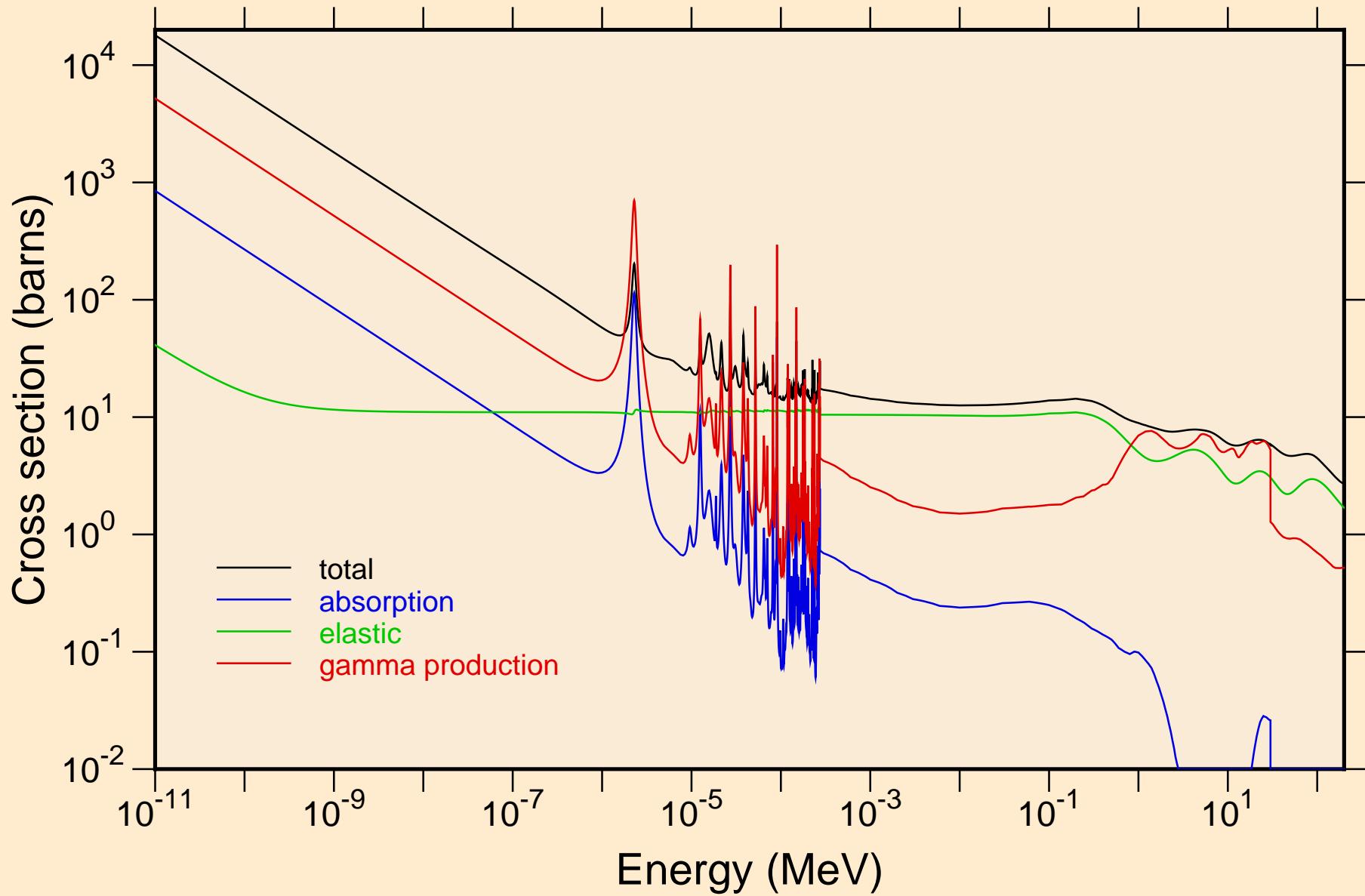
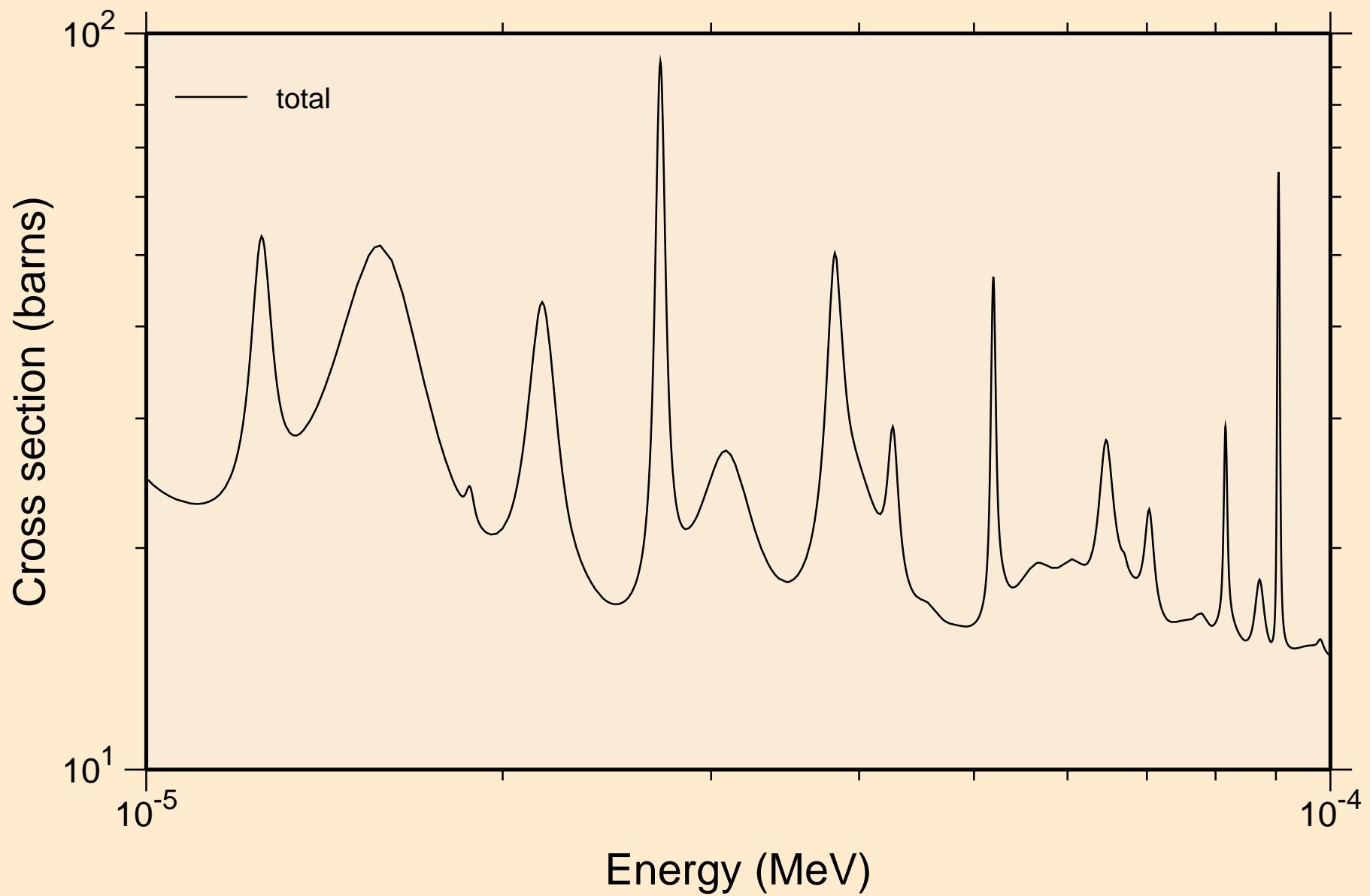


# CF253 NRG TENDL-2015, AKONING

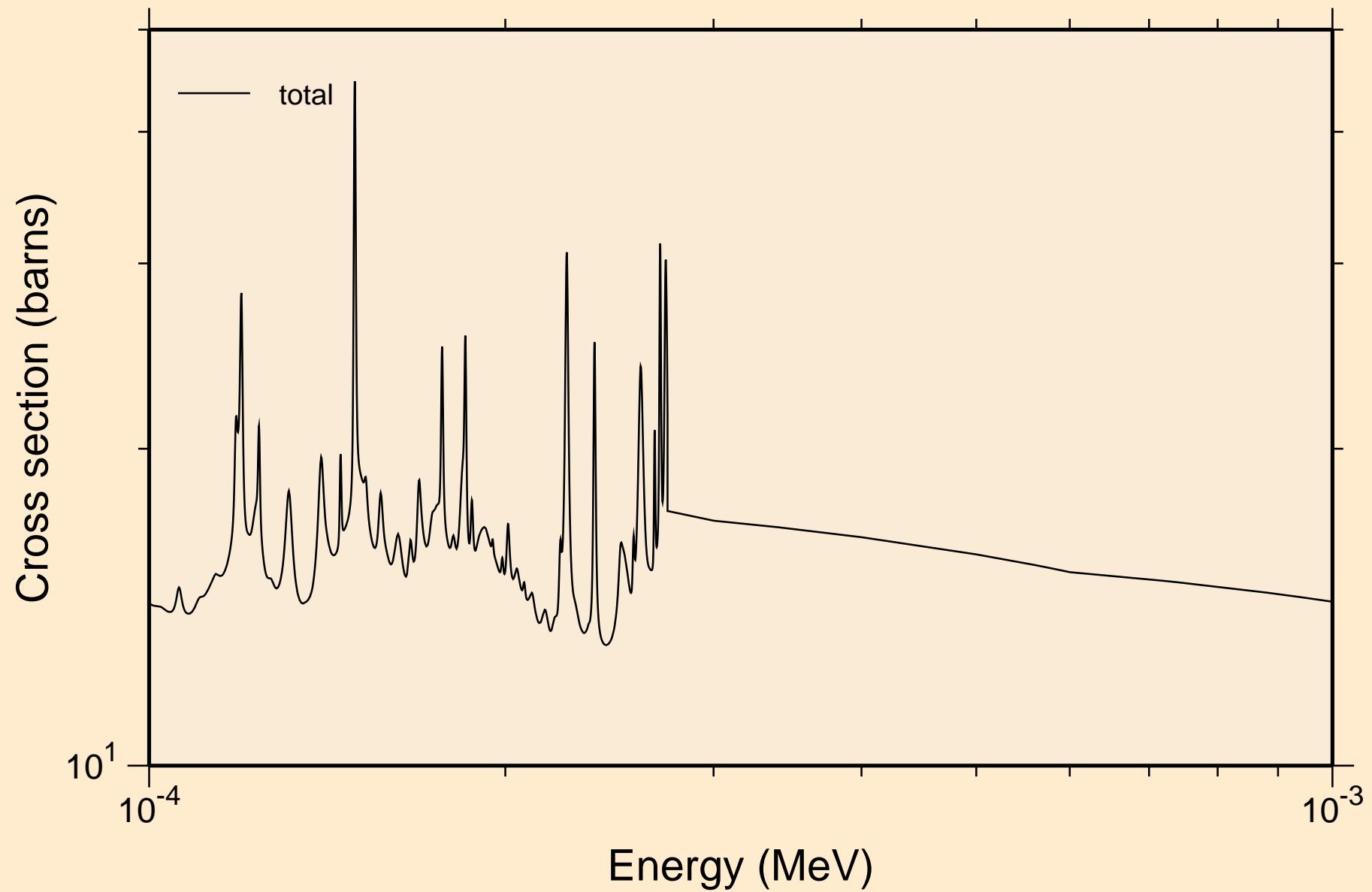
## Principal cross sections



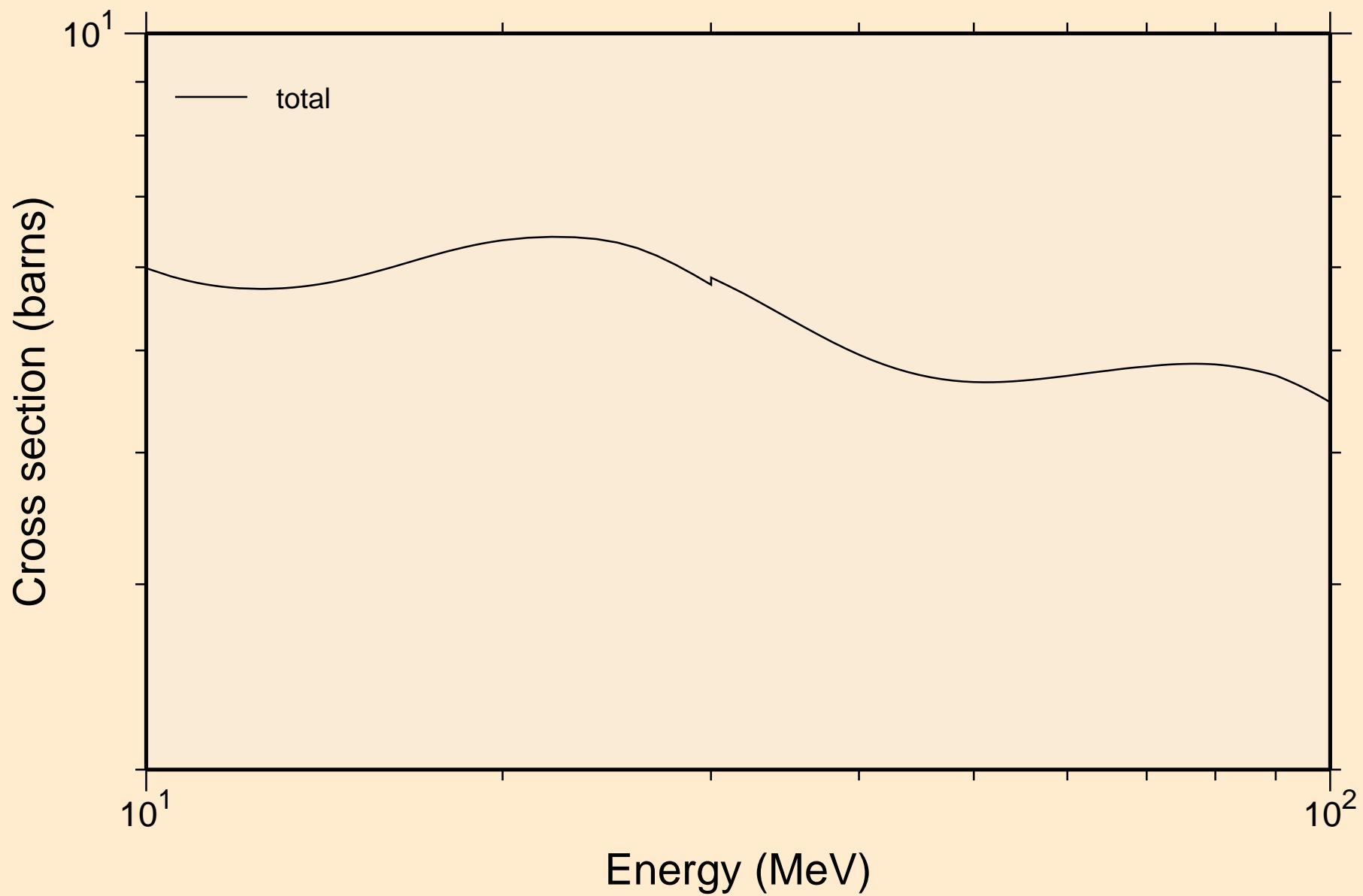
CF253 NRG TENDL-2015, AKONING  
resonance total cross section



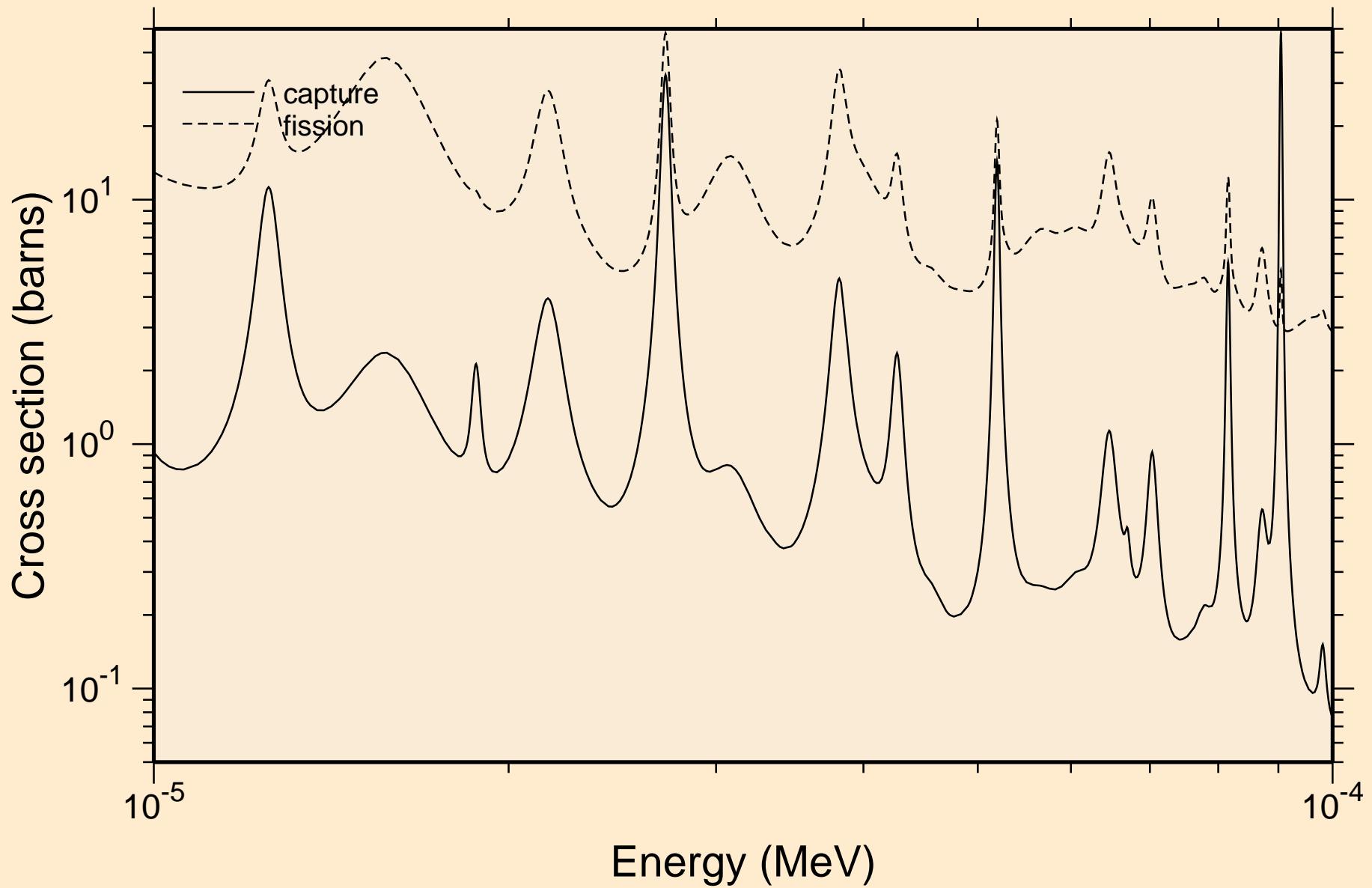
CF253 NRG TENDL-2015, AKONING  
resonance total cross section



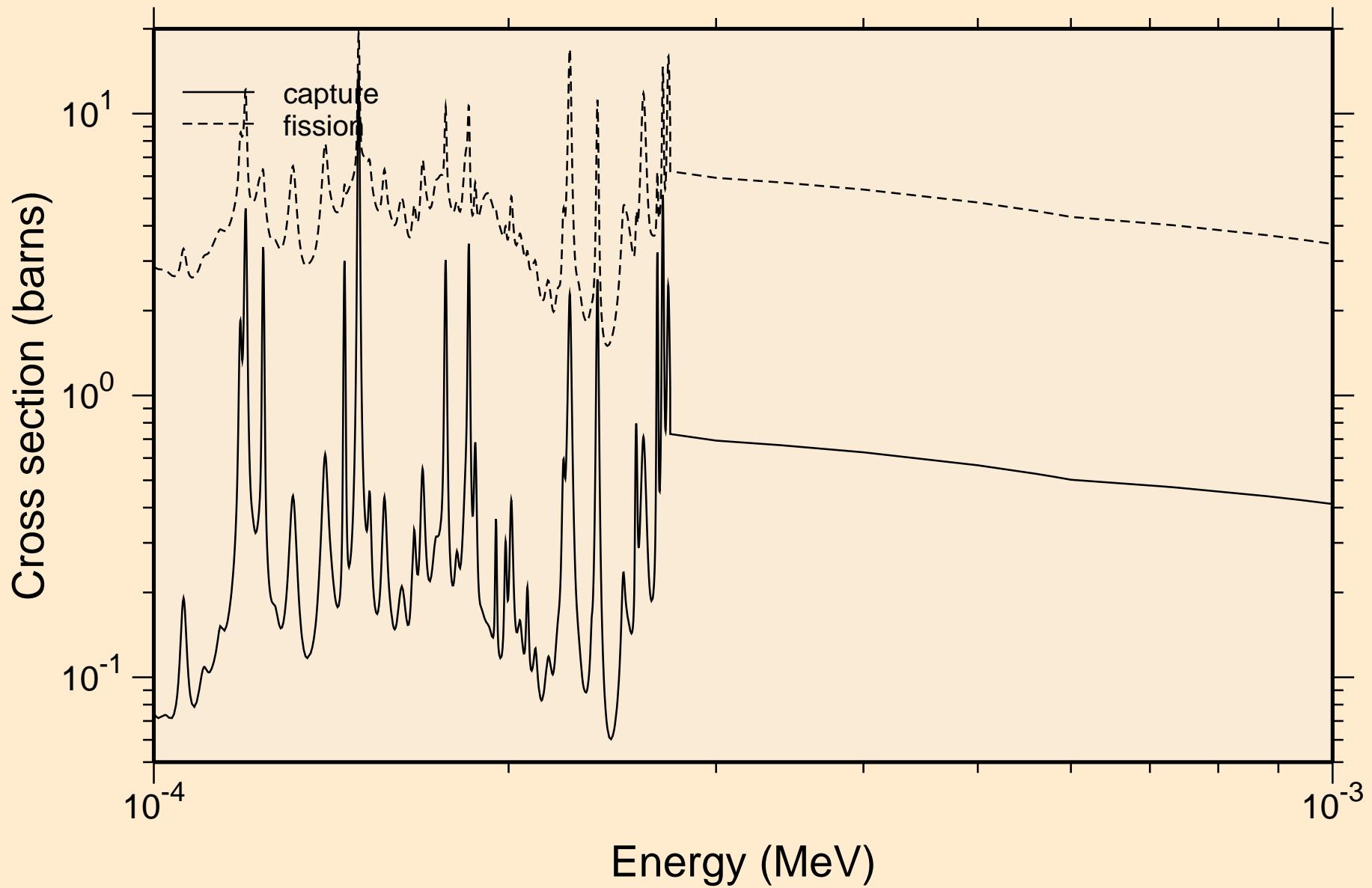
CF253 NRG TENDL-2015, AKONING  
resonance total cross section



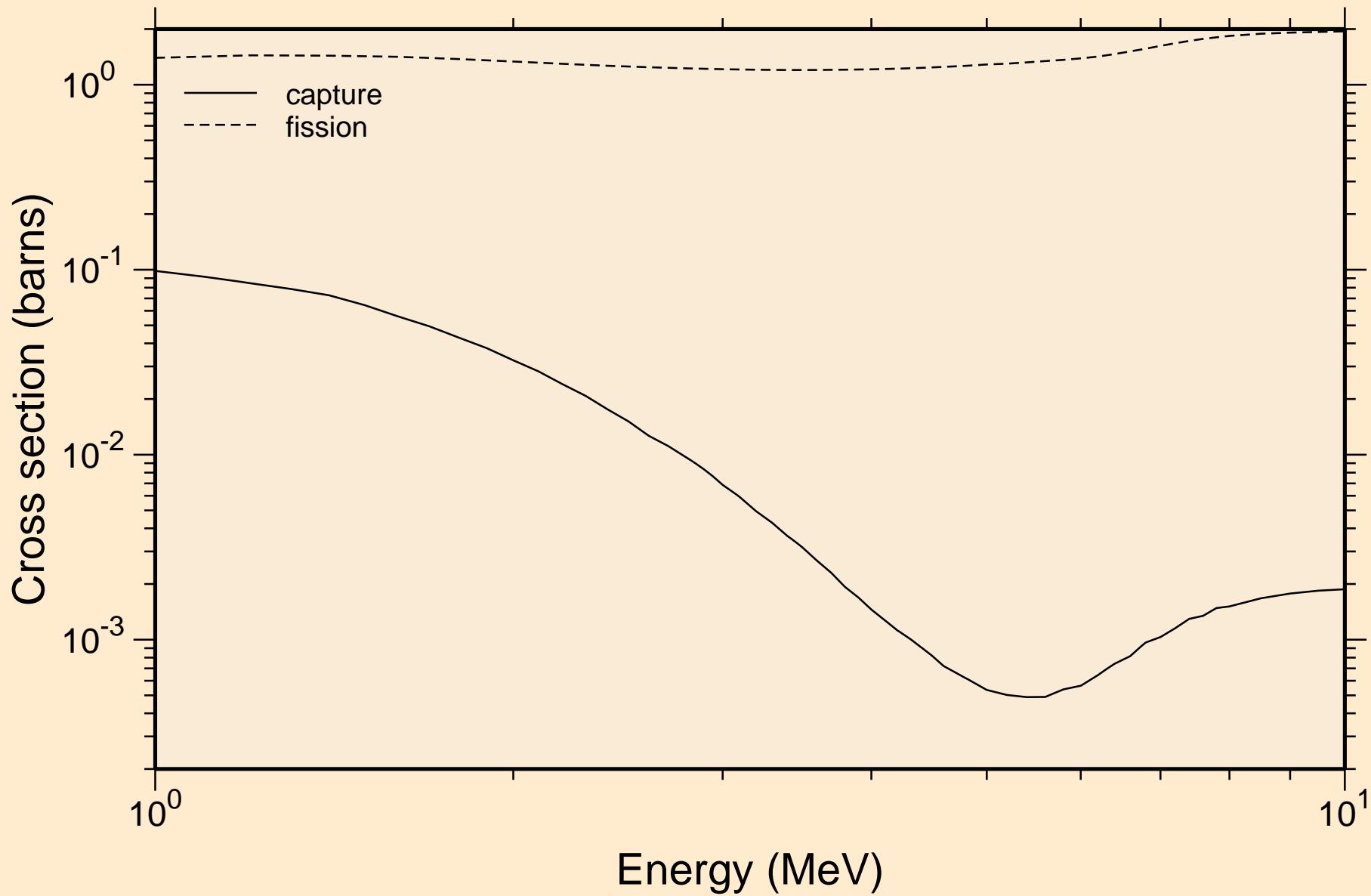
# CF253 NRG TENDL-2015, AKONING resonance absorption cross sections



# CF253 NRG TENDL-2015, AKONING resonance absorption cross sections

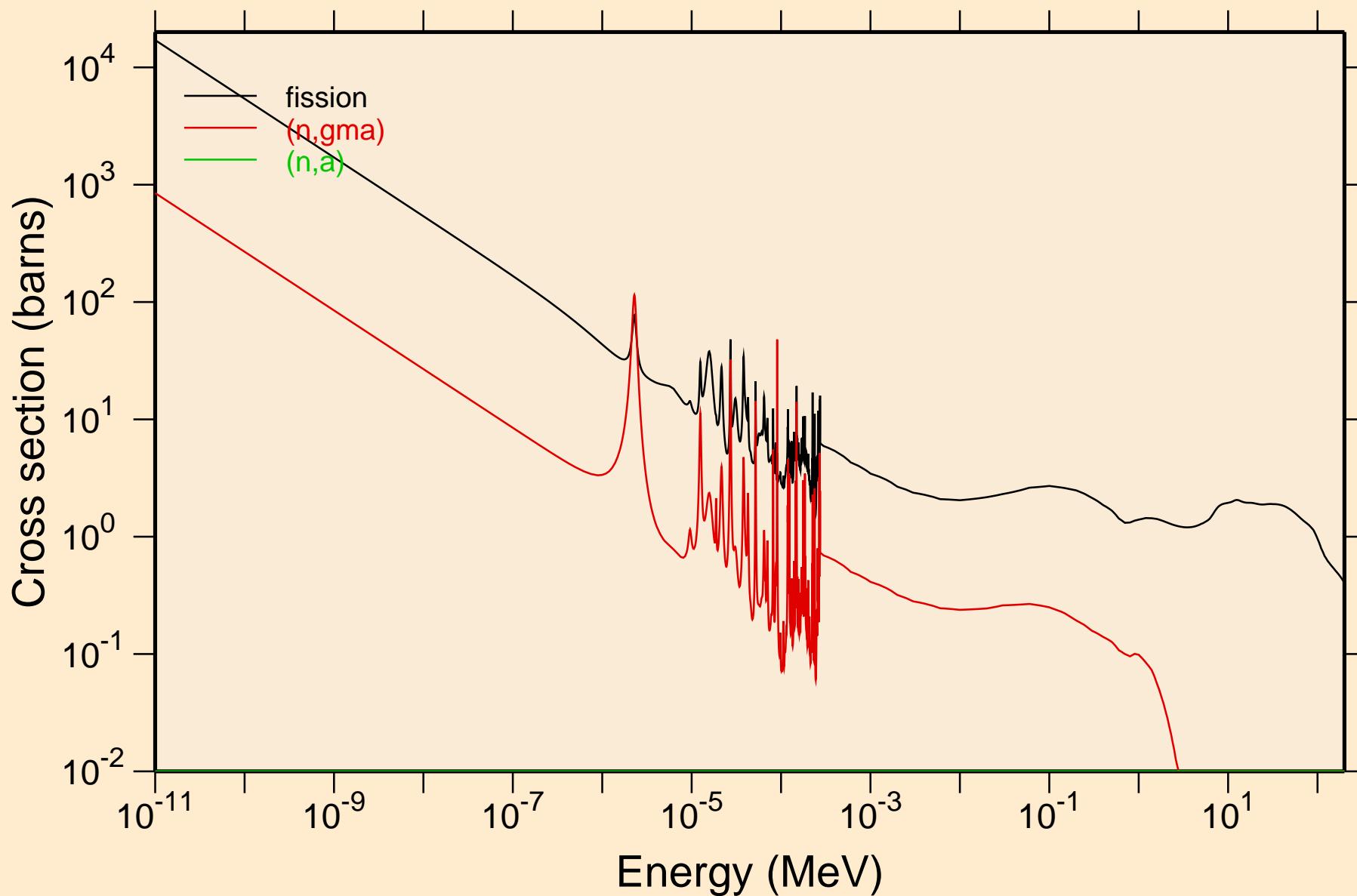


CF253 NRG TENDL-2015, AKONING  
resonance absorption cross sections

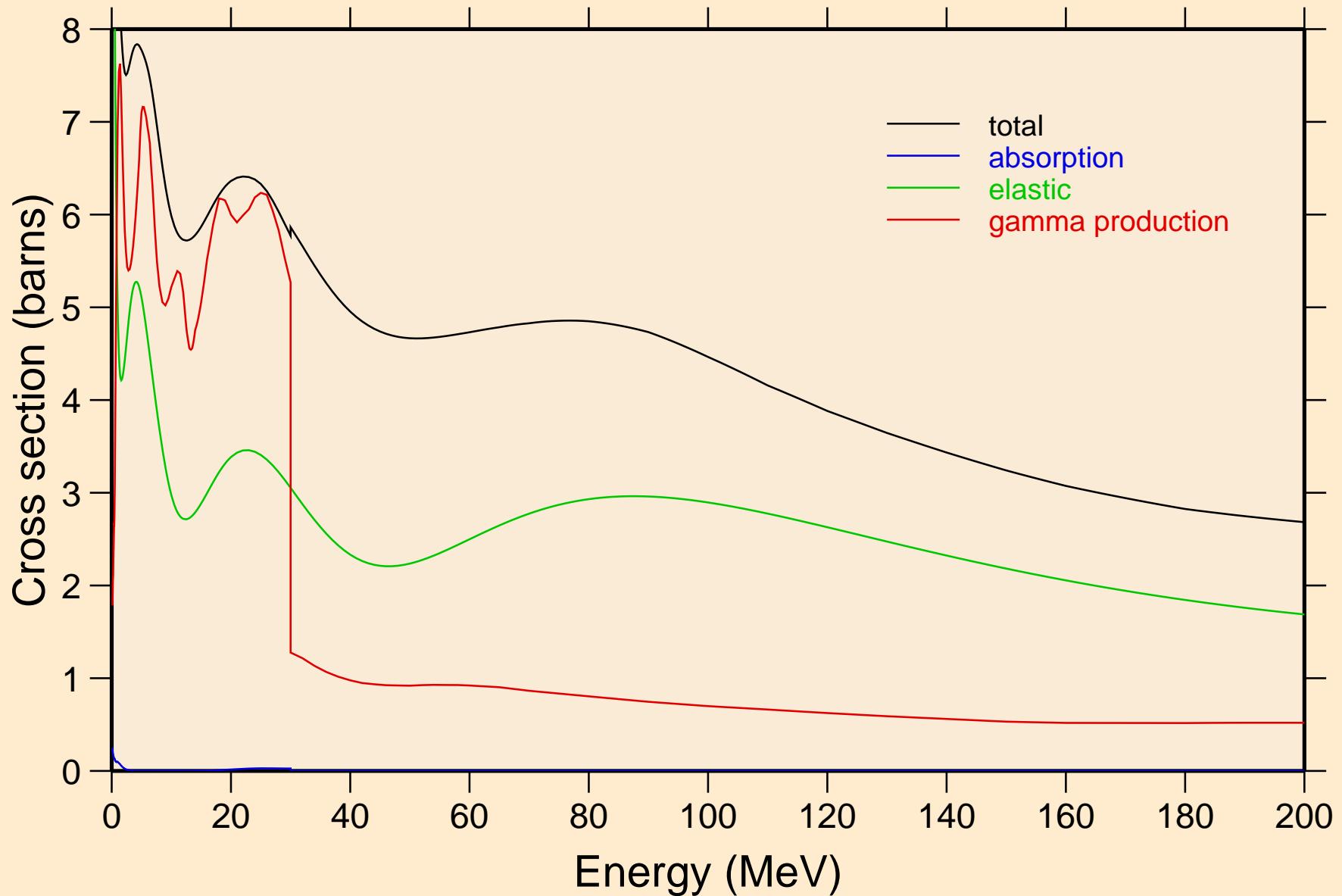


# CF253 NRG TENDL-2015, AKONING

## Non-threshold reactions

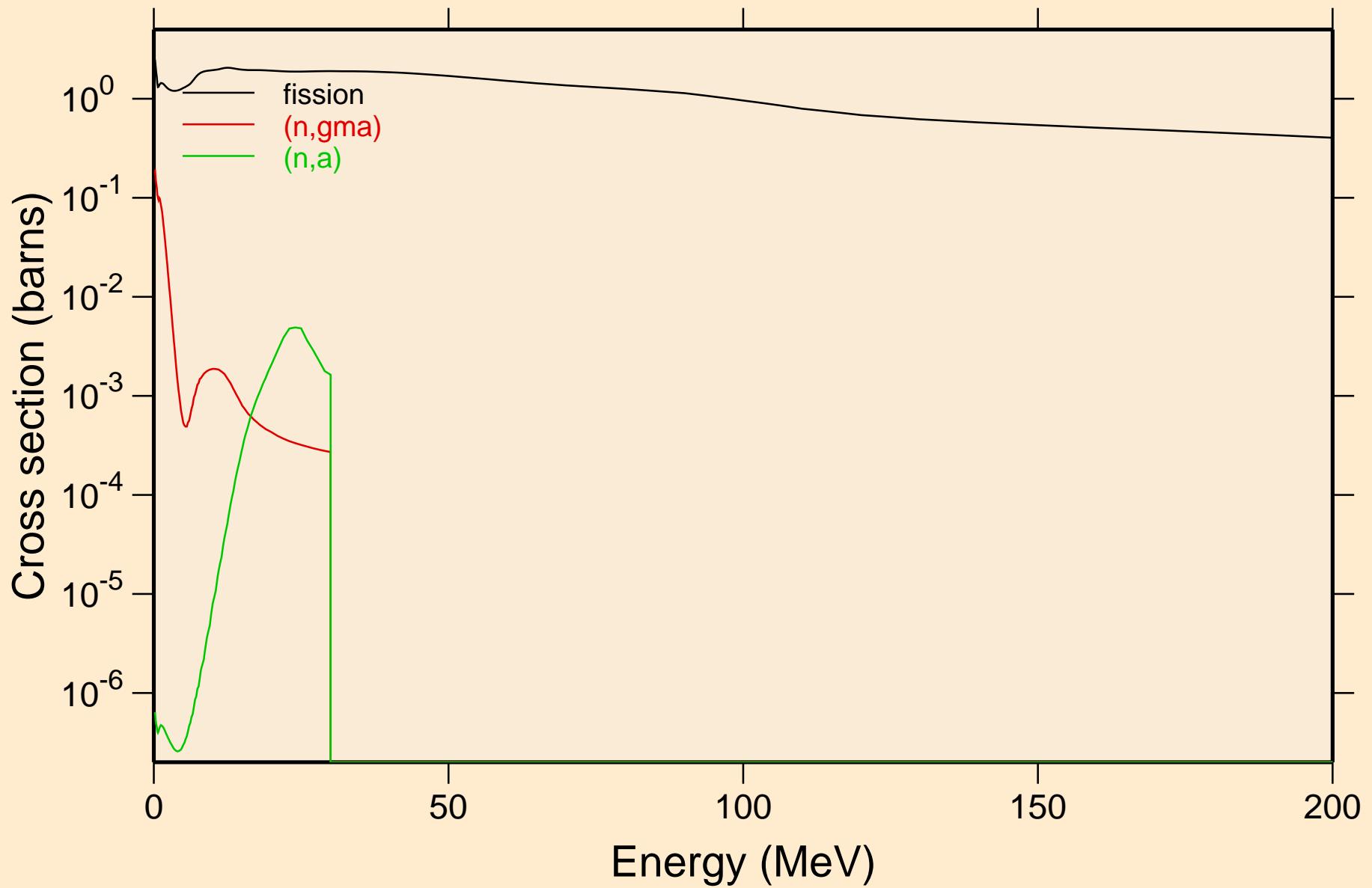


CF253 NRG TENDL-2015, AKONING  
Principal cross sections



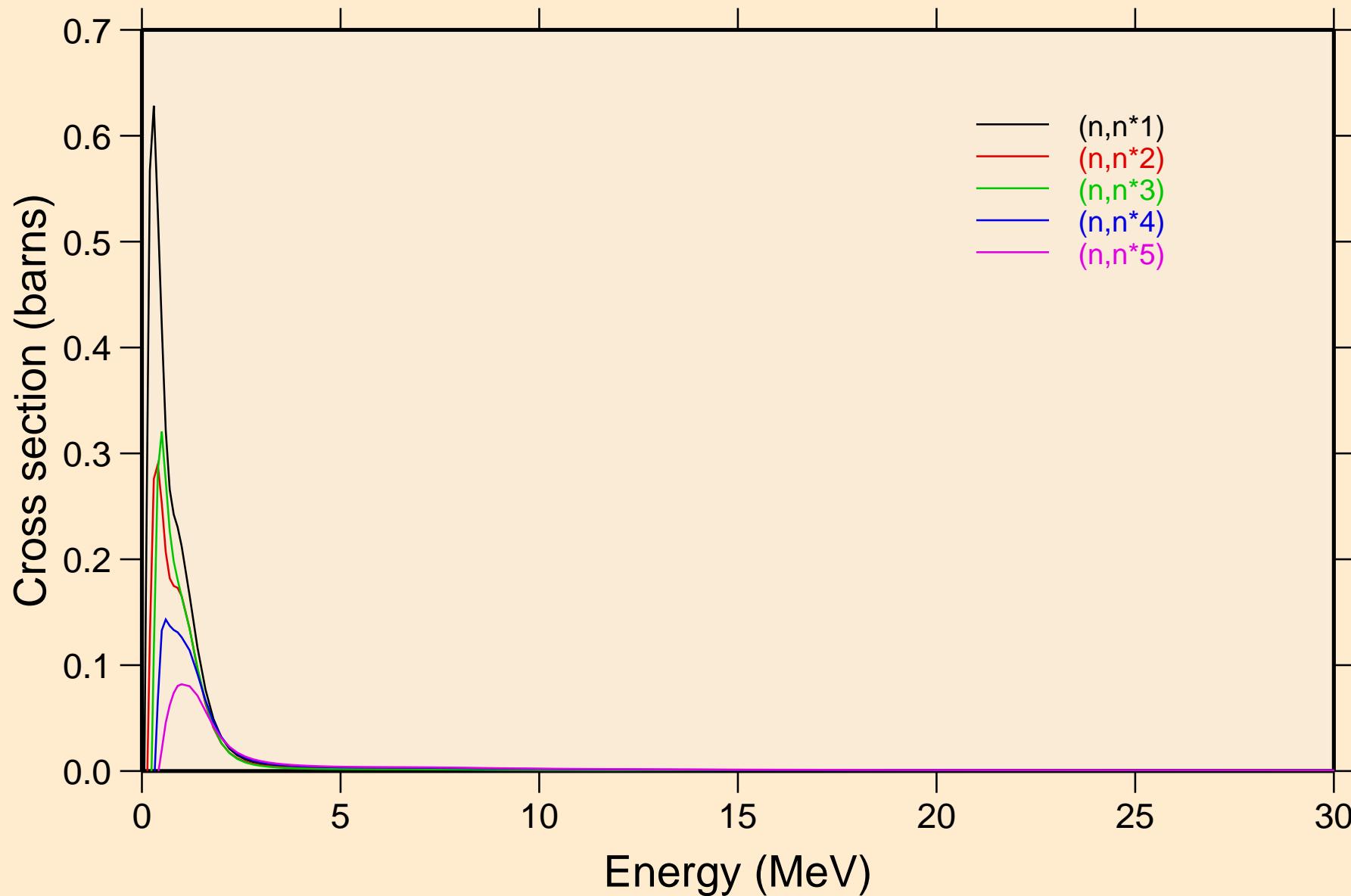
# CF253 NRG TENDL-2015, AKONING

## Non-threshold reactions



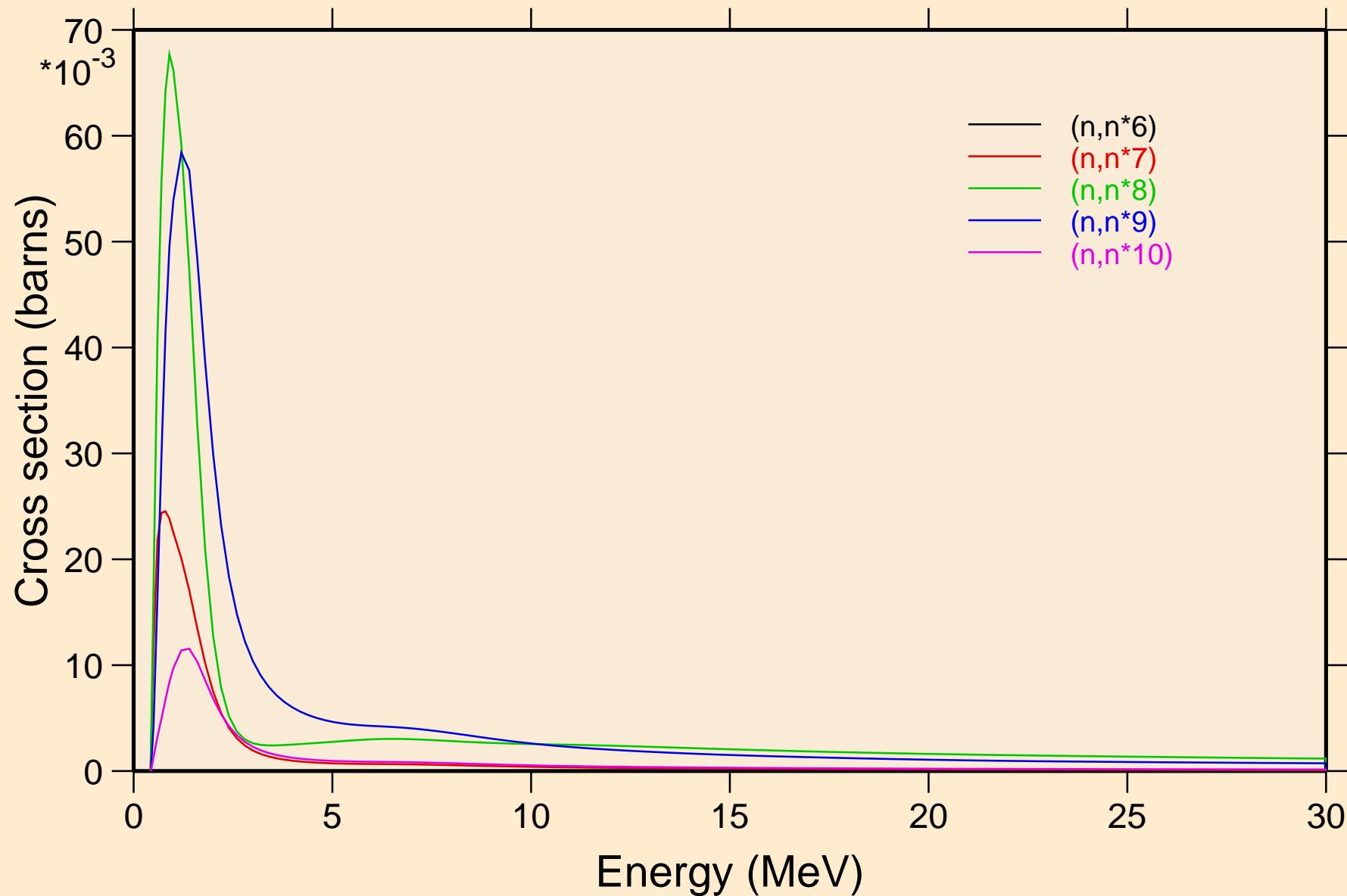
# CF253 NRG TENDL-2015, AKONING

## Inelastic levels



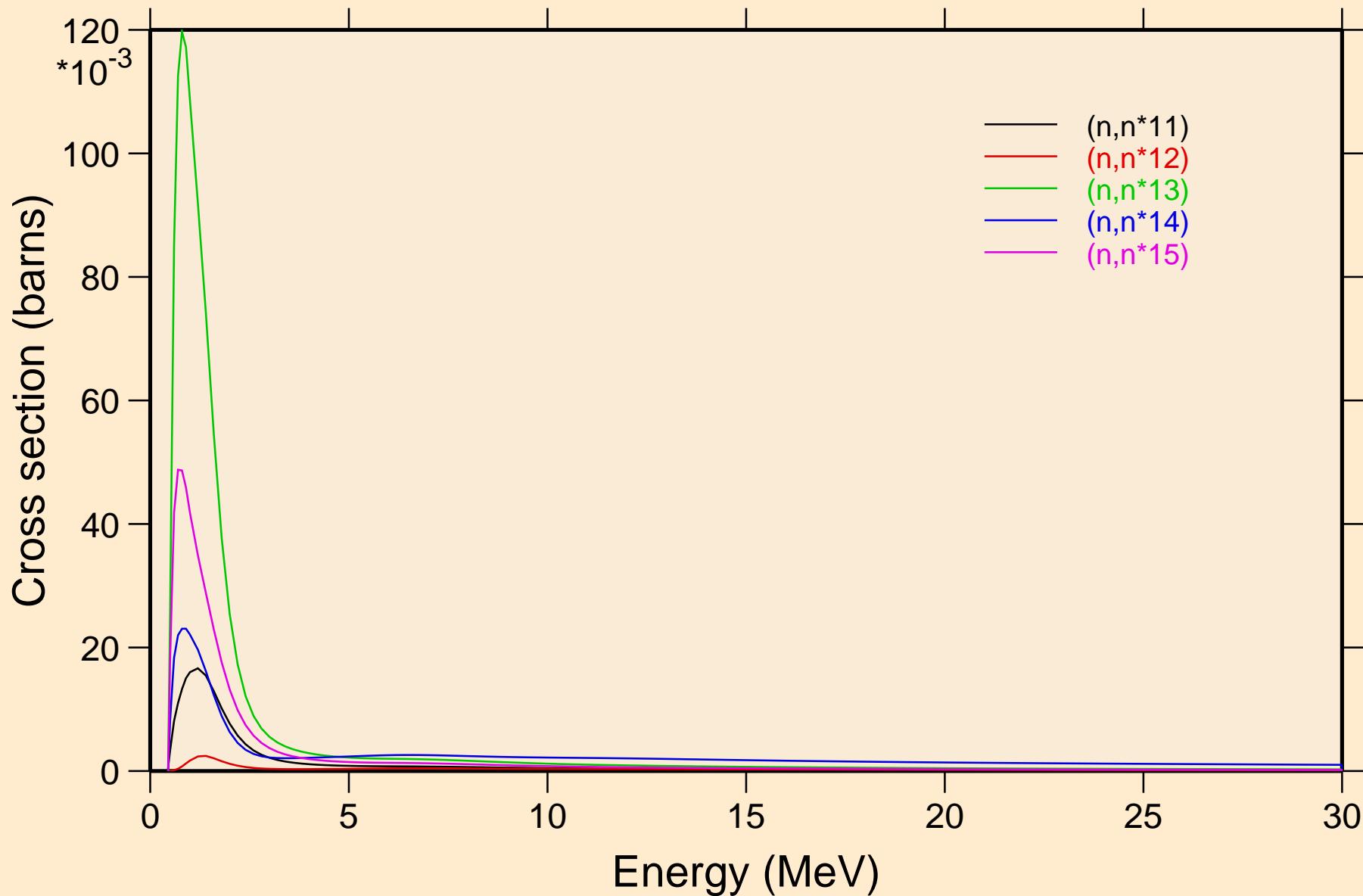
# CF253 NRG TENDL-2015, AKONING

## Inelastic levels



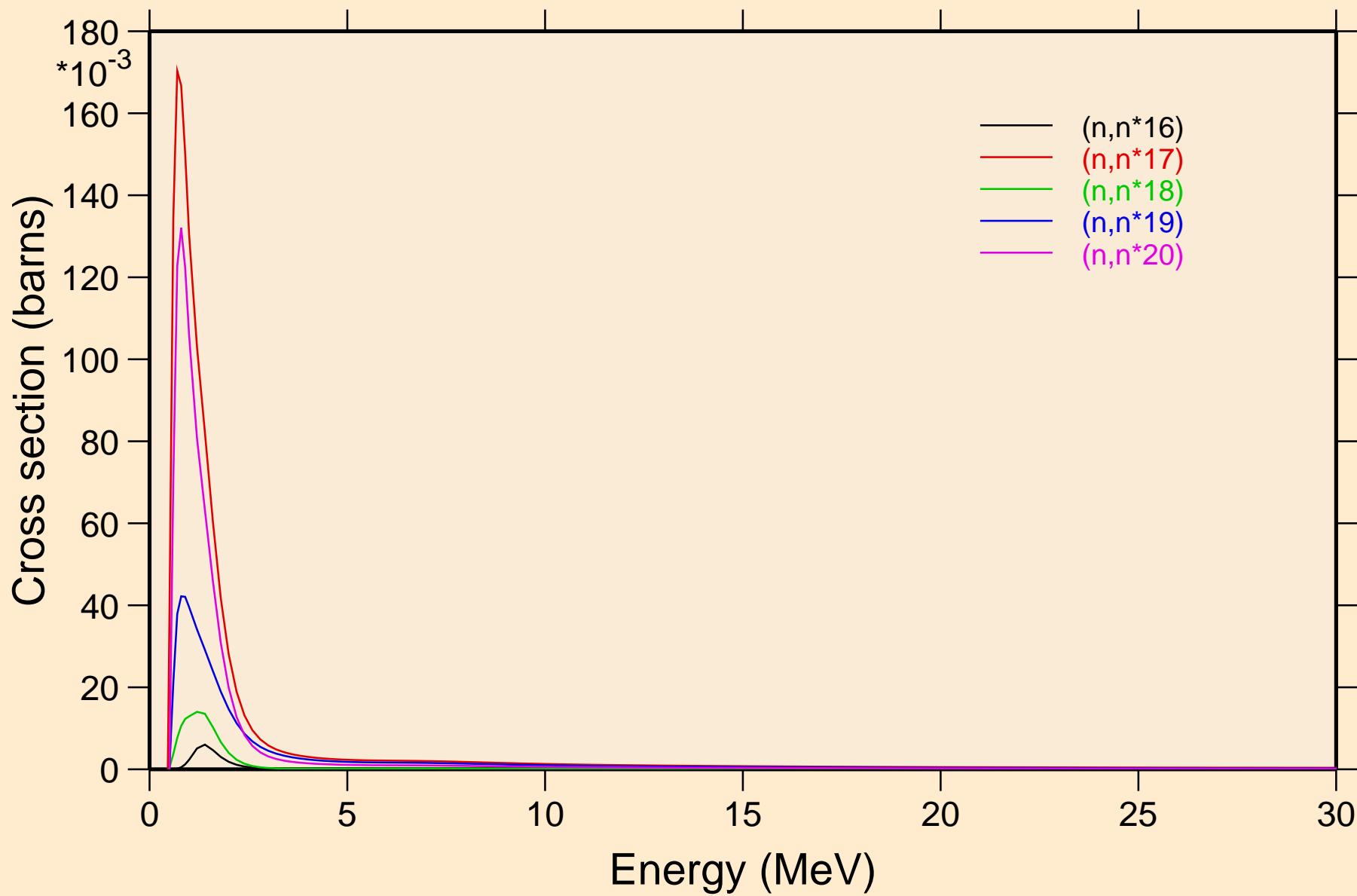
# CF253 NRG TENDL-2015, AKONING

## Inelastic levels



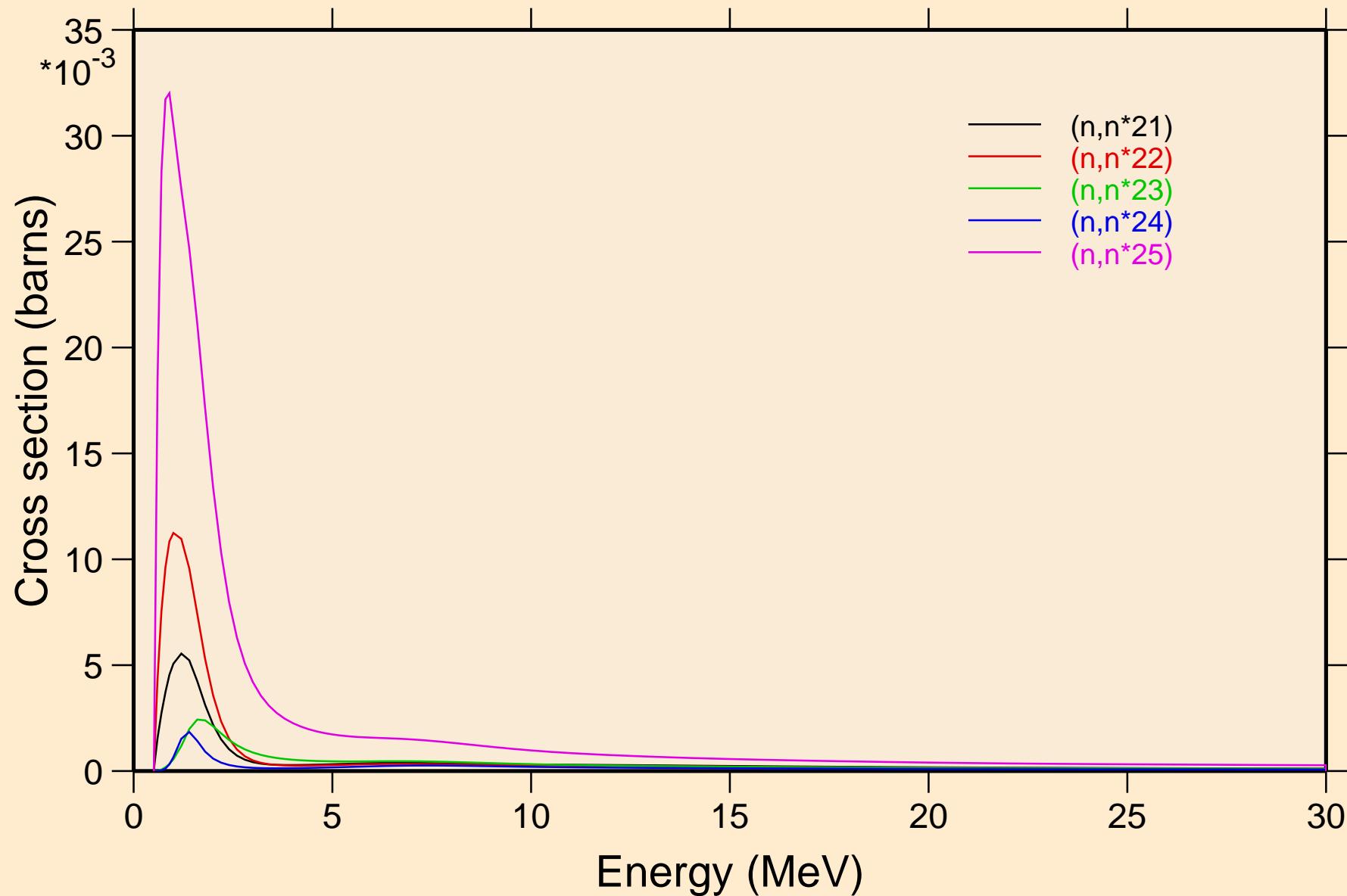
# CF253 NRG TENDL-2015, AKONING

## Inelastic levels



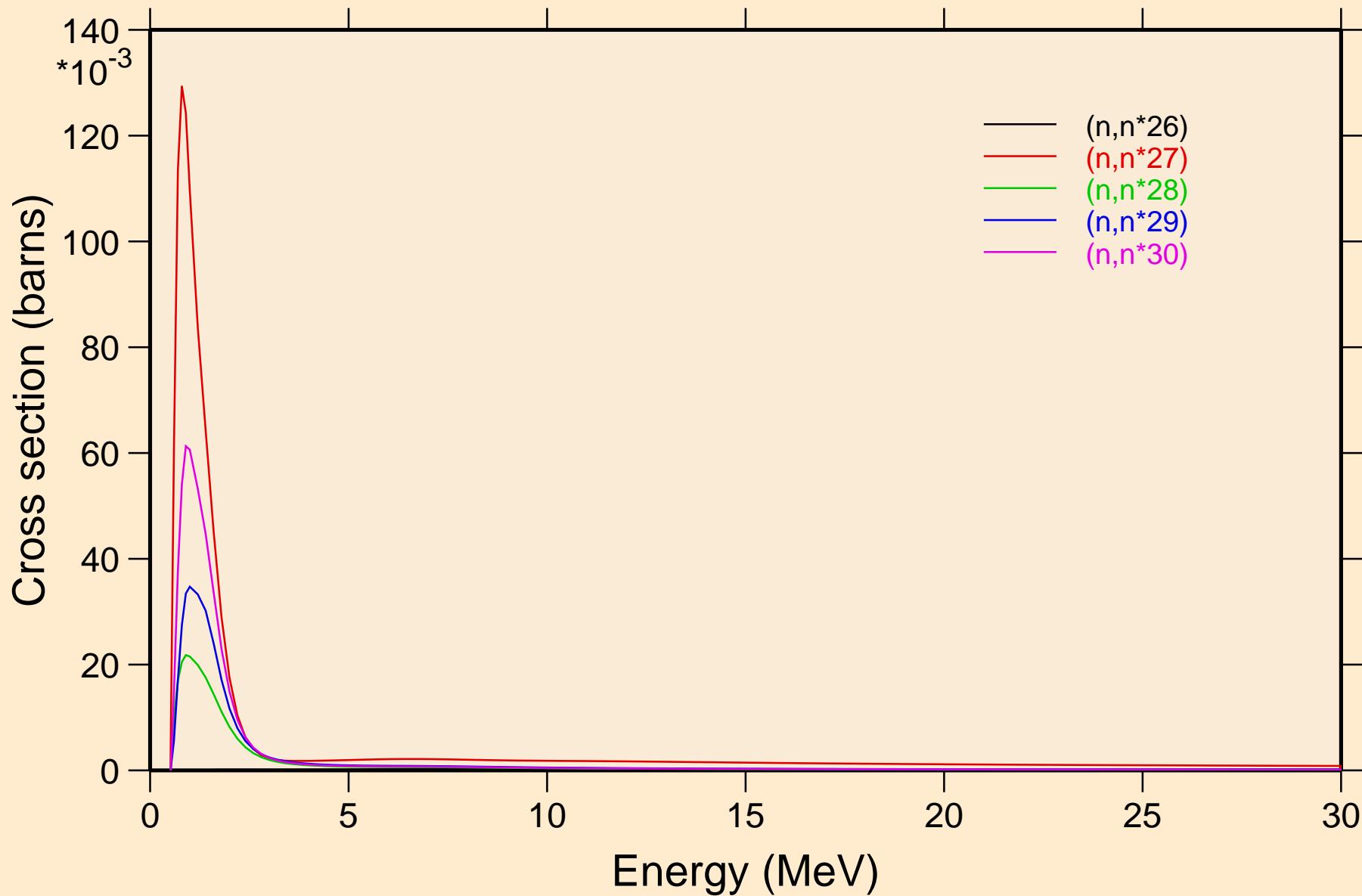
# CF253 NRG TENDL-2015, AKONING

## Inelastic levels



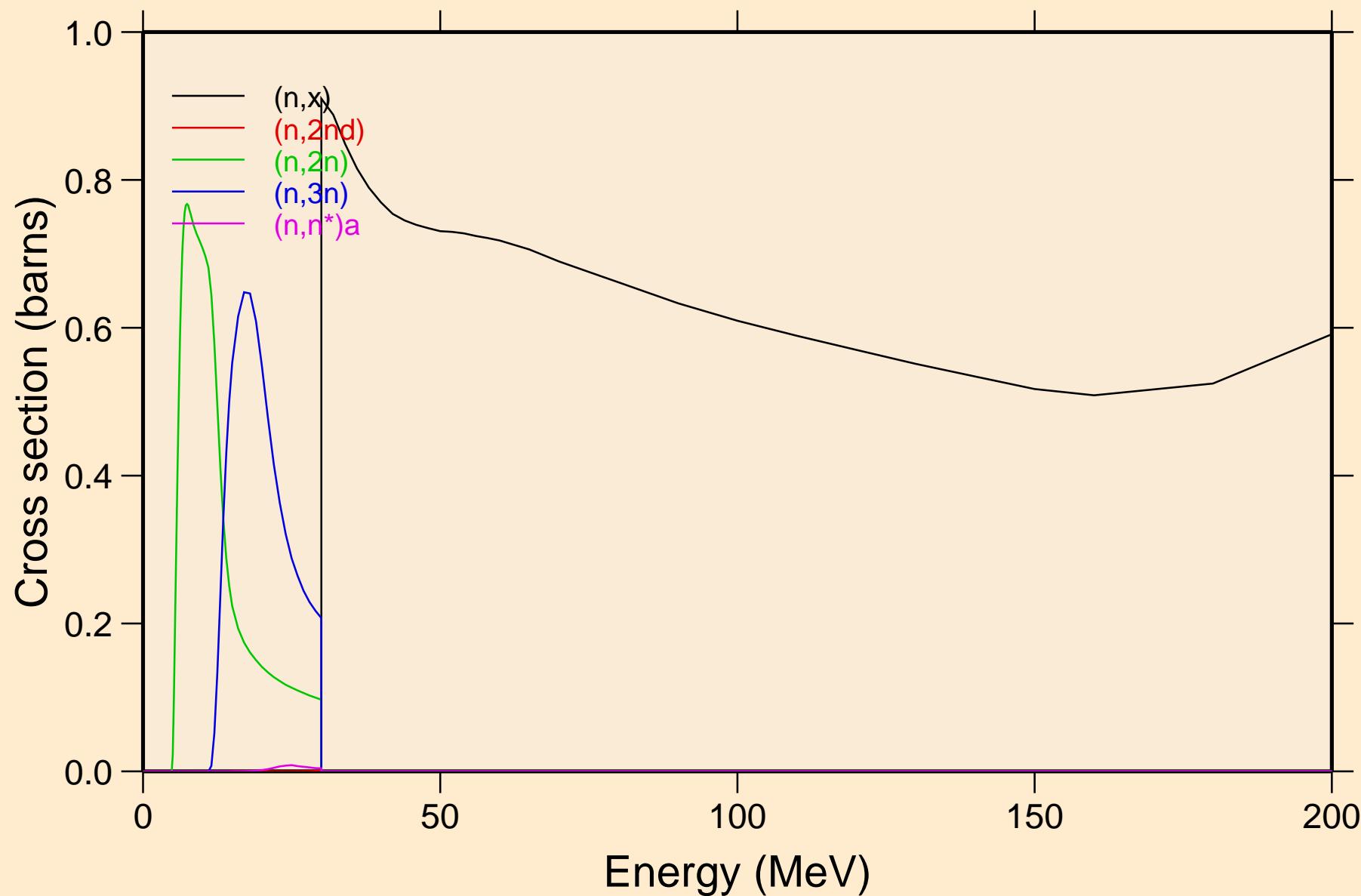
# CF253 NRG TENDL-2015, AKONING

## Inelastic levels



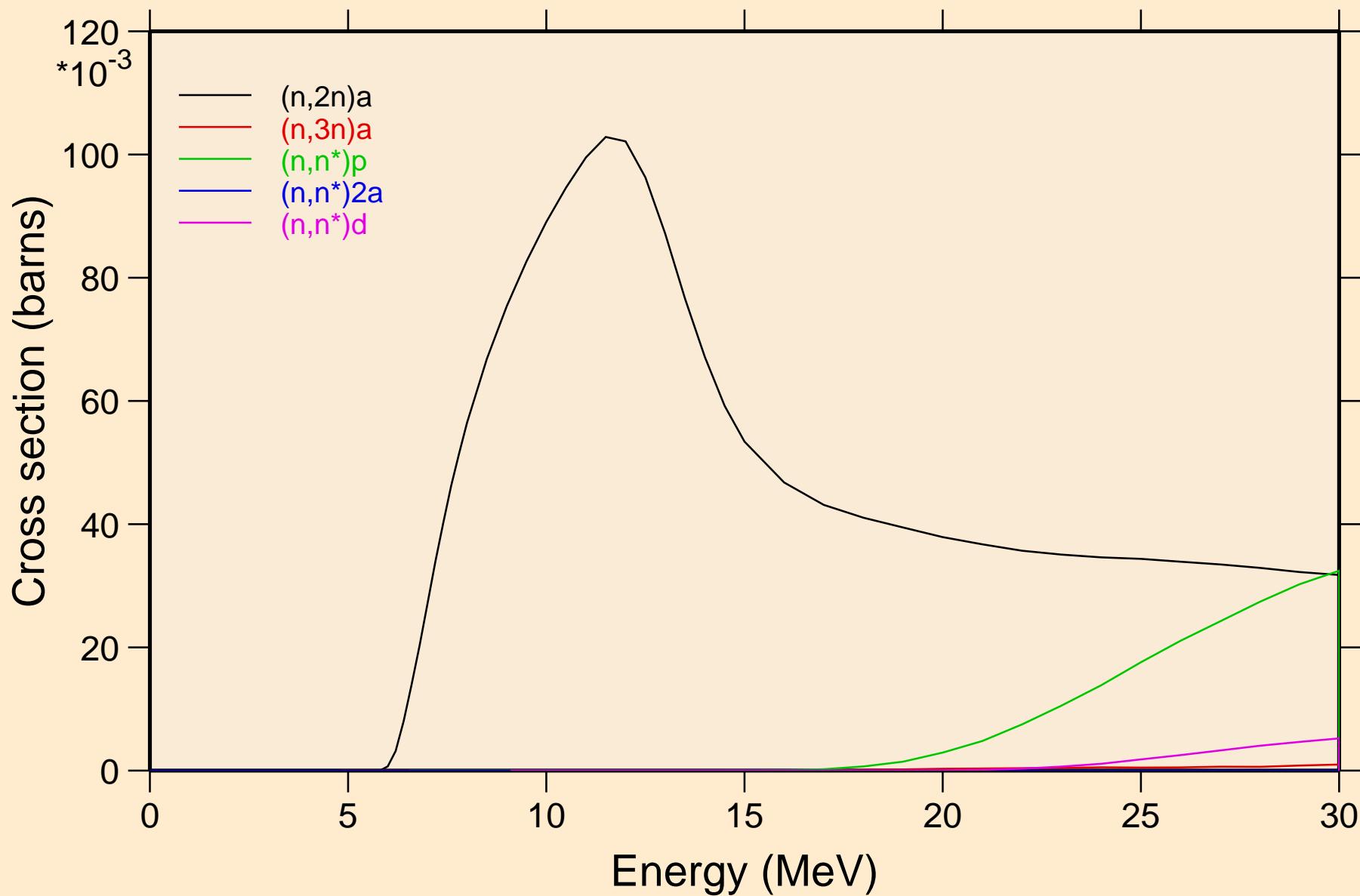
# CF253 NRG TENDL-2015, AKONING

## Threshold reactions



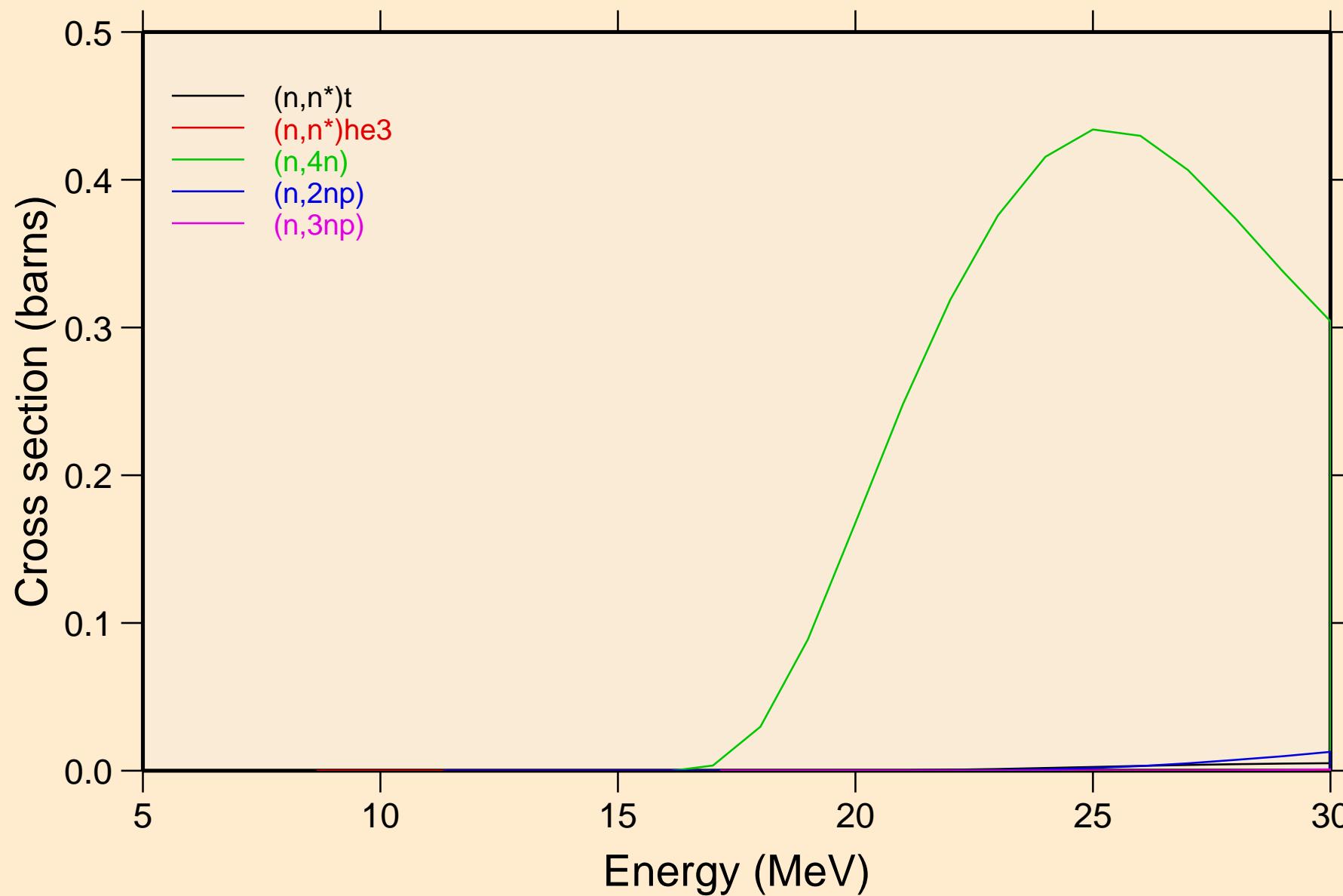
# CF253 NRG TENDL-2015, AKONING

## Threshold reactions



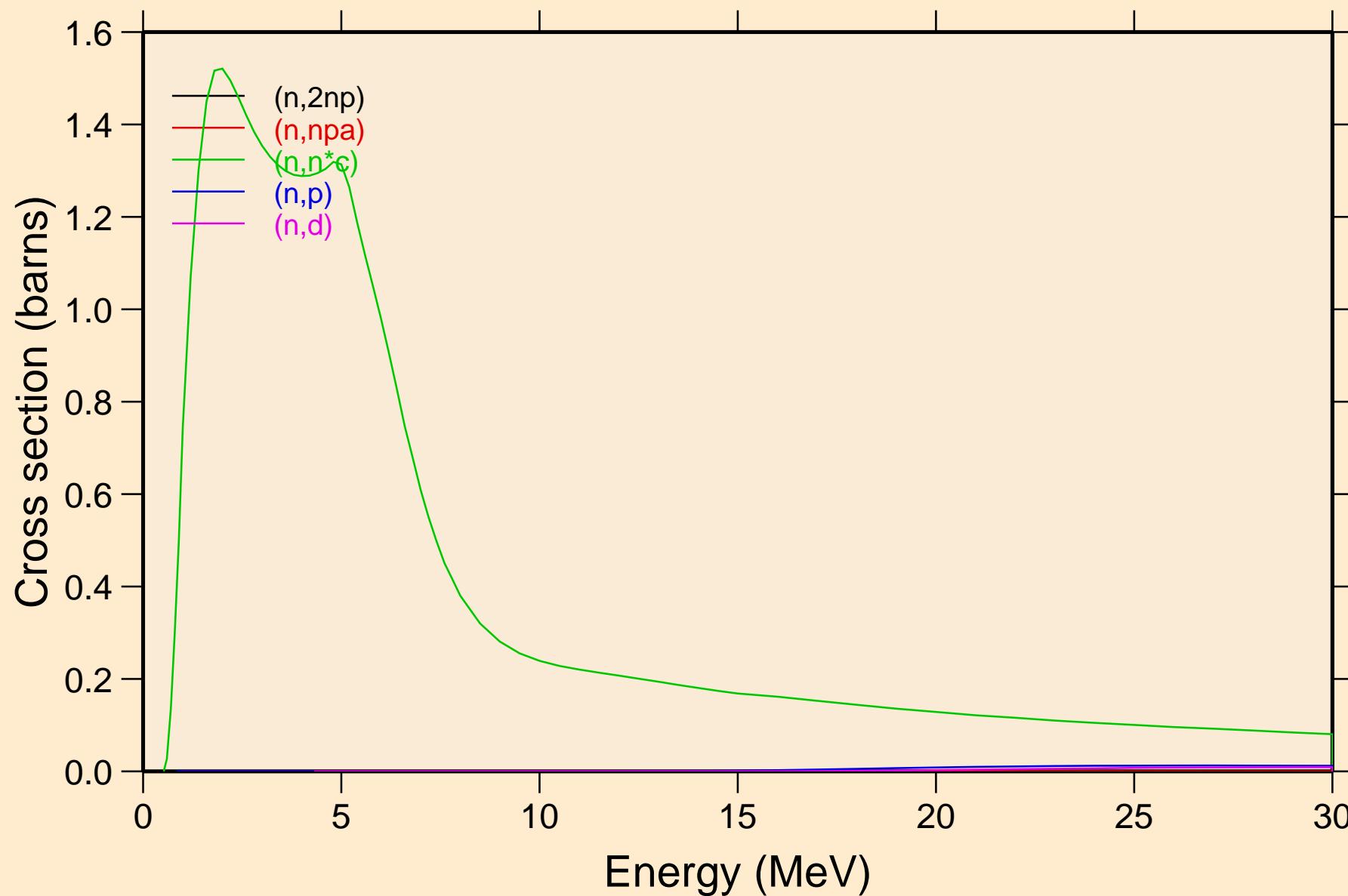
# CF253 NRG TENDL-2015, AKONING

## Threshold reactions



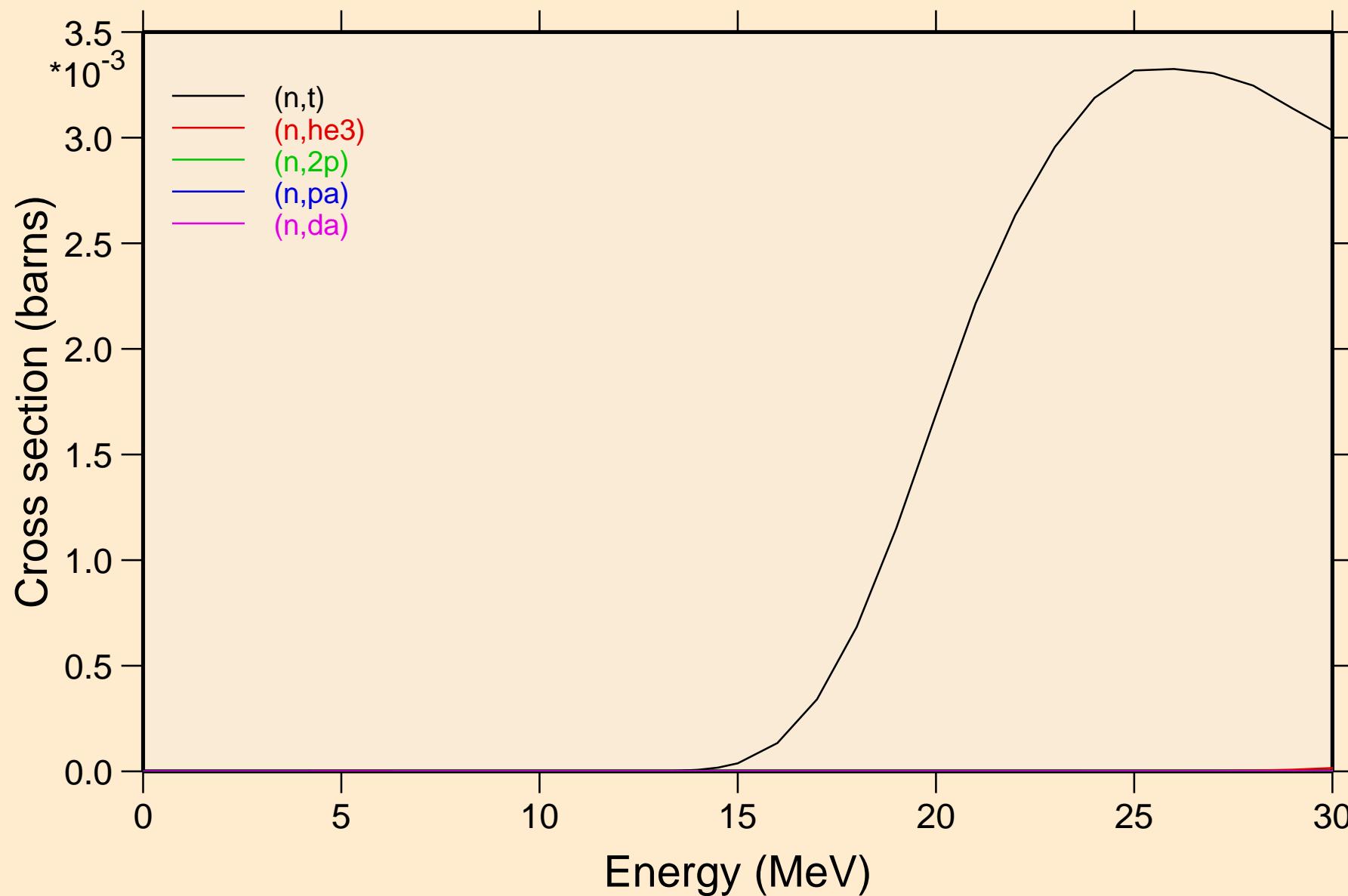
# CF253 NRG TENDL-2015, AKONING

## Threshold reactions

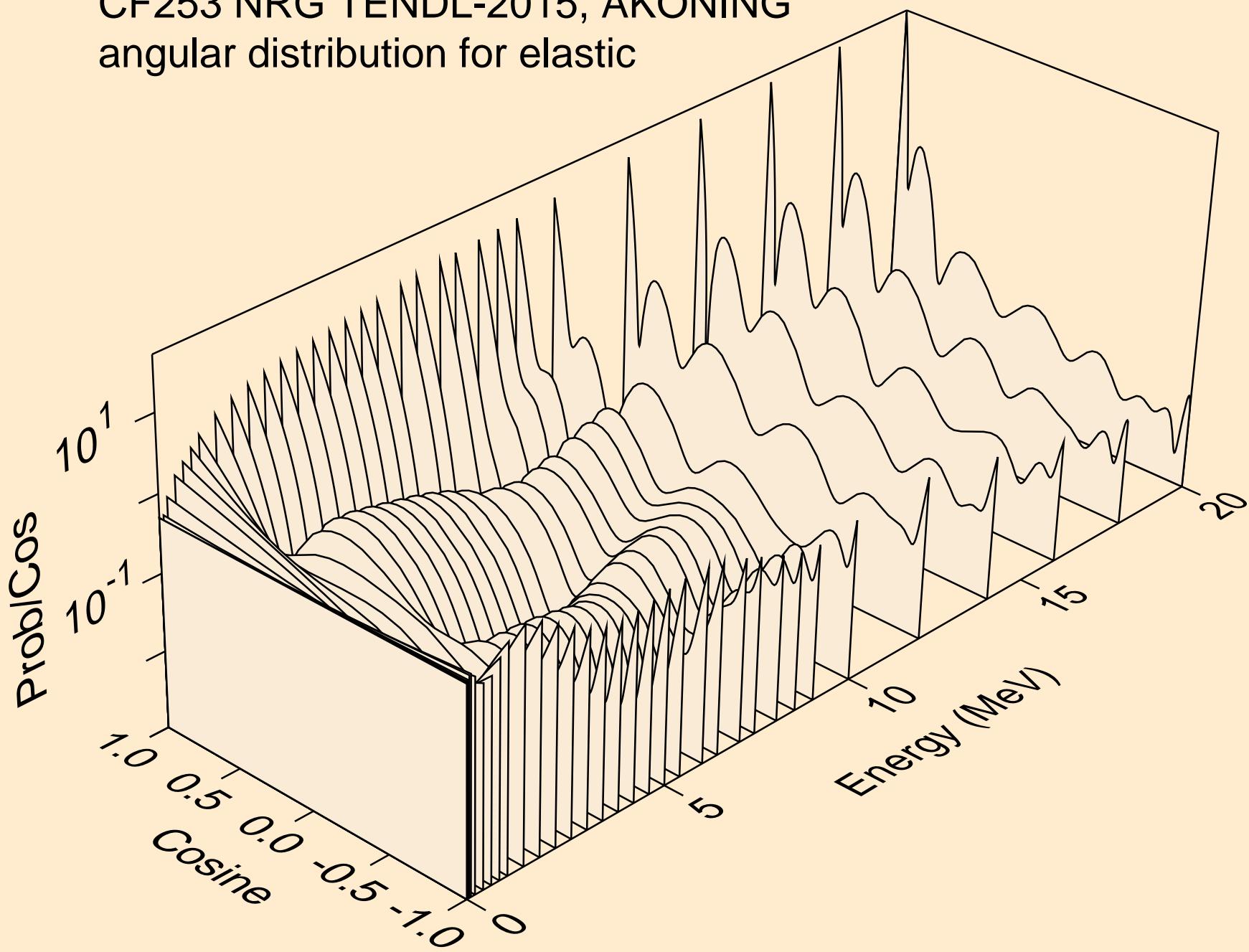


# CF253 NRG TENDL-2015, AKONING

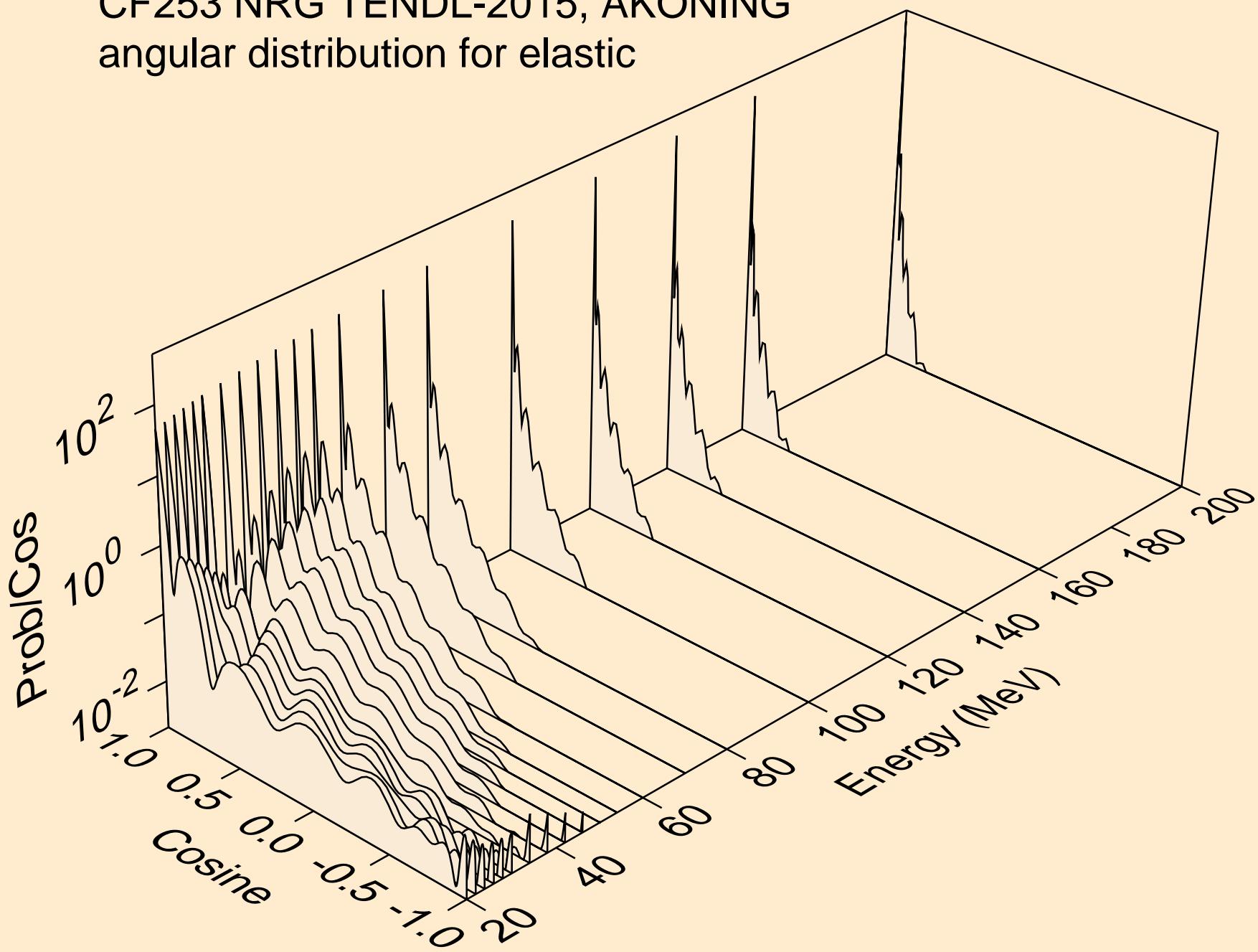
## Threshold reactions



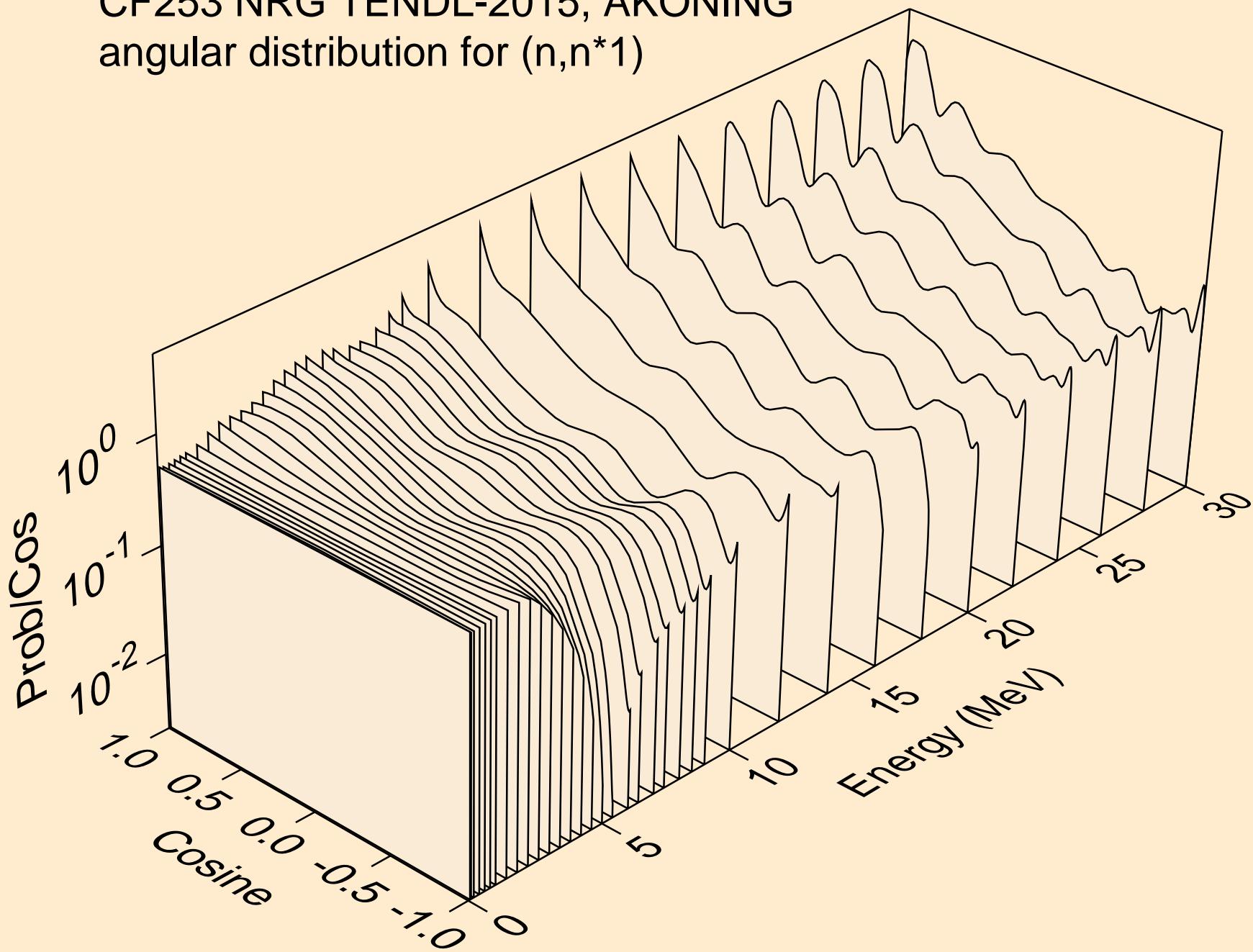
CF253 NRG TENDL-2015, AKONING  
angular distribution for elastic



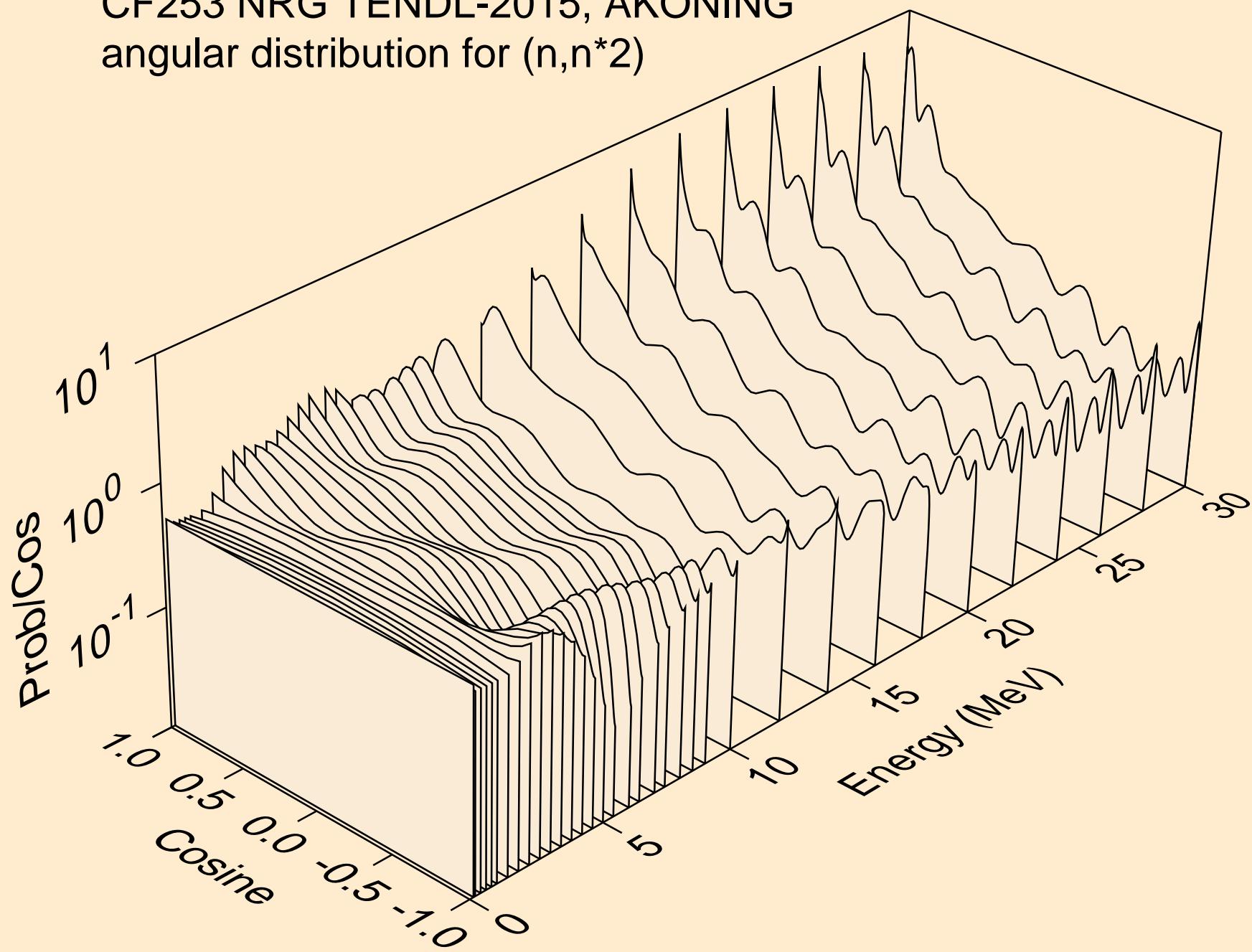
CF253 NRG TENDL-2015, AKONING  
angular distribution for elastic



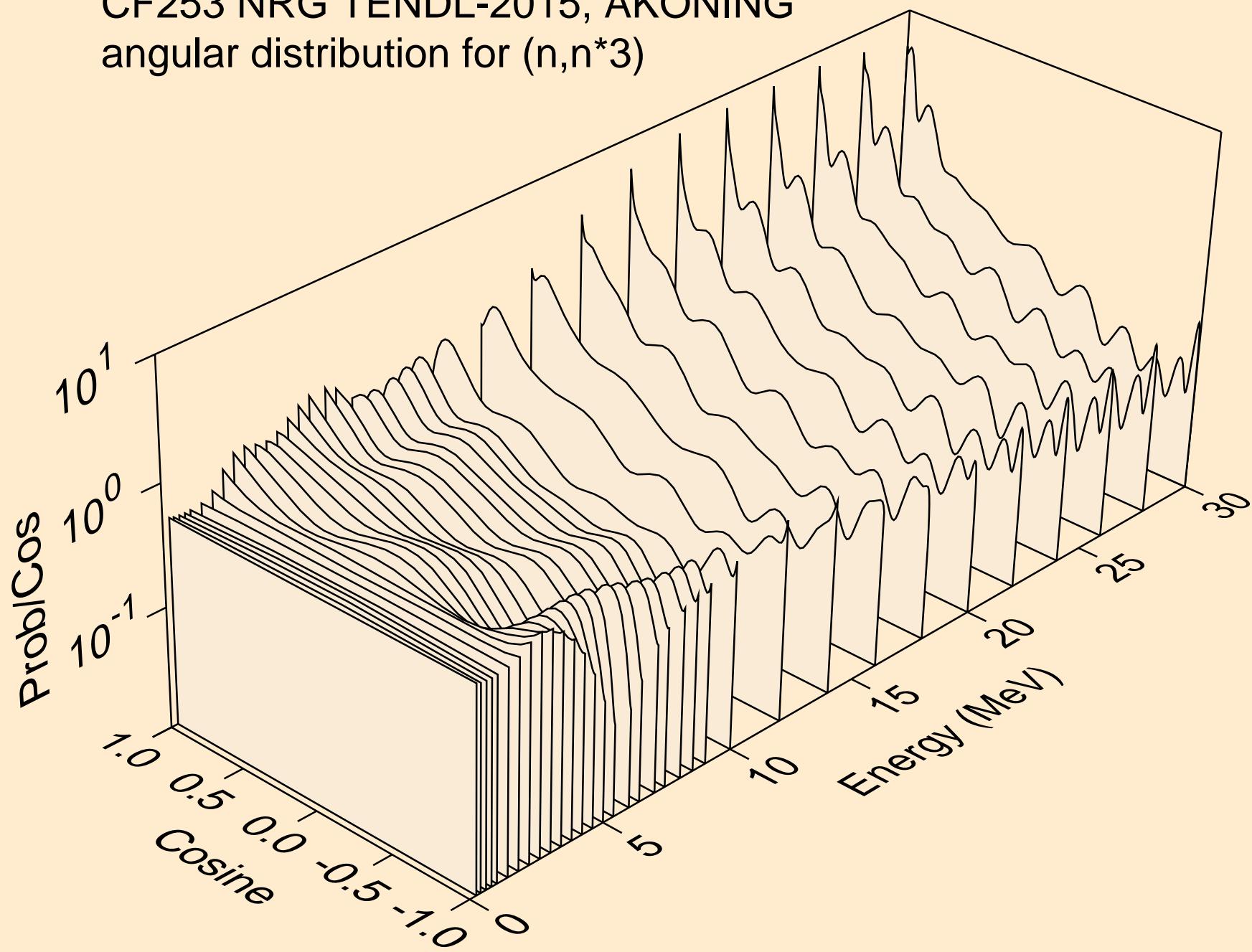
CF253 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



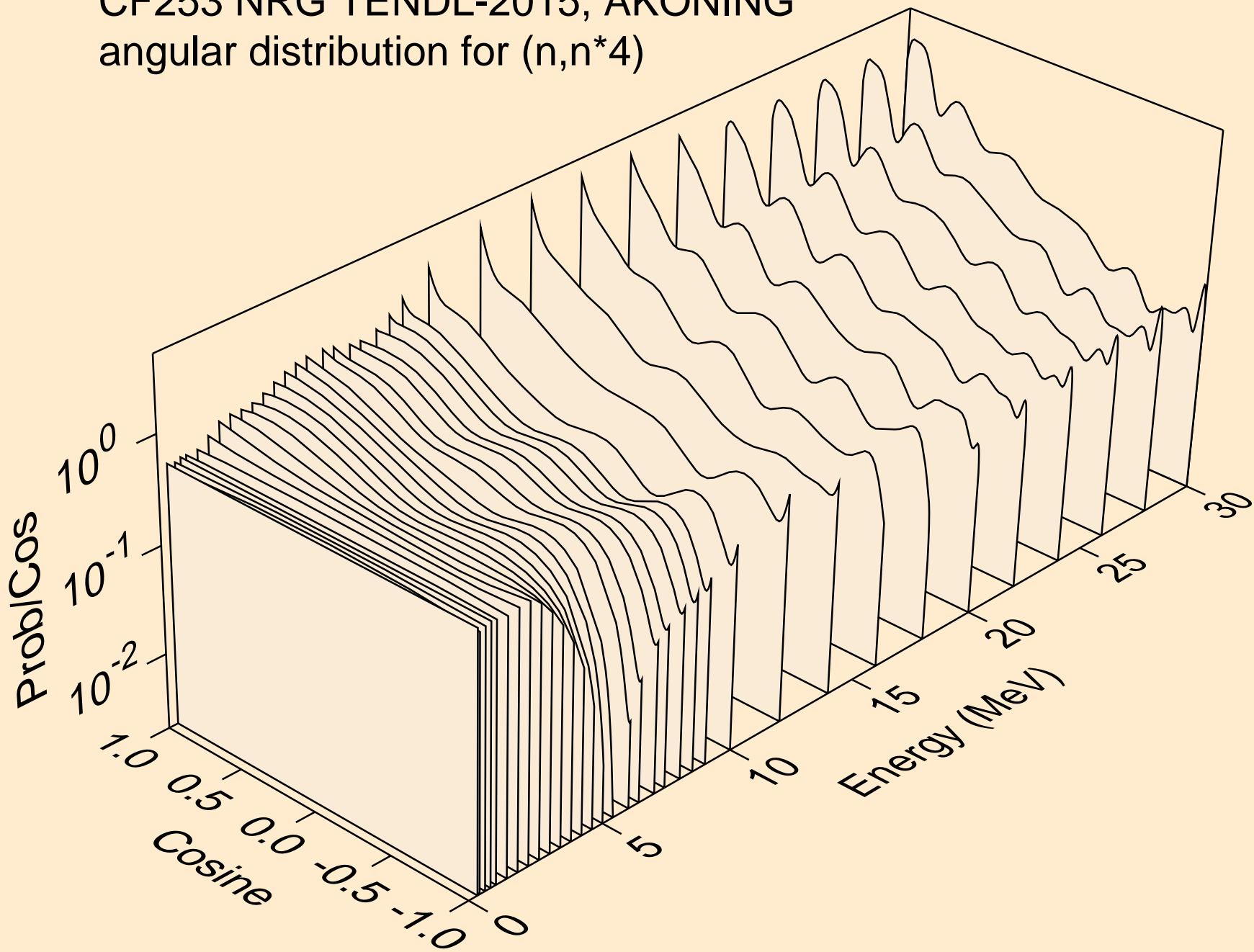
CF253 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^2$



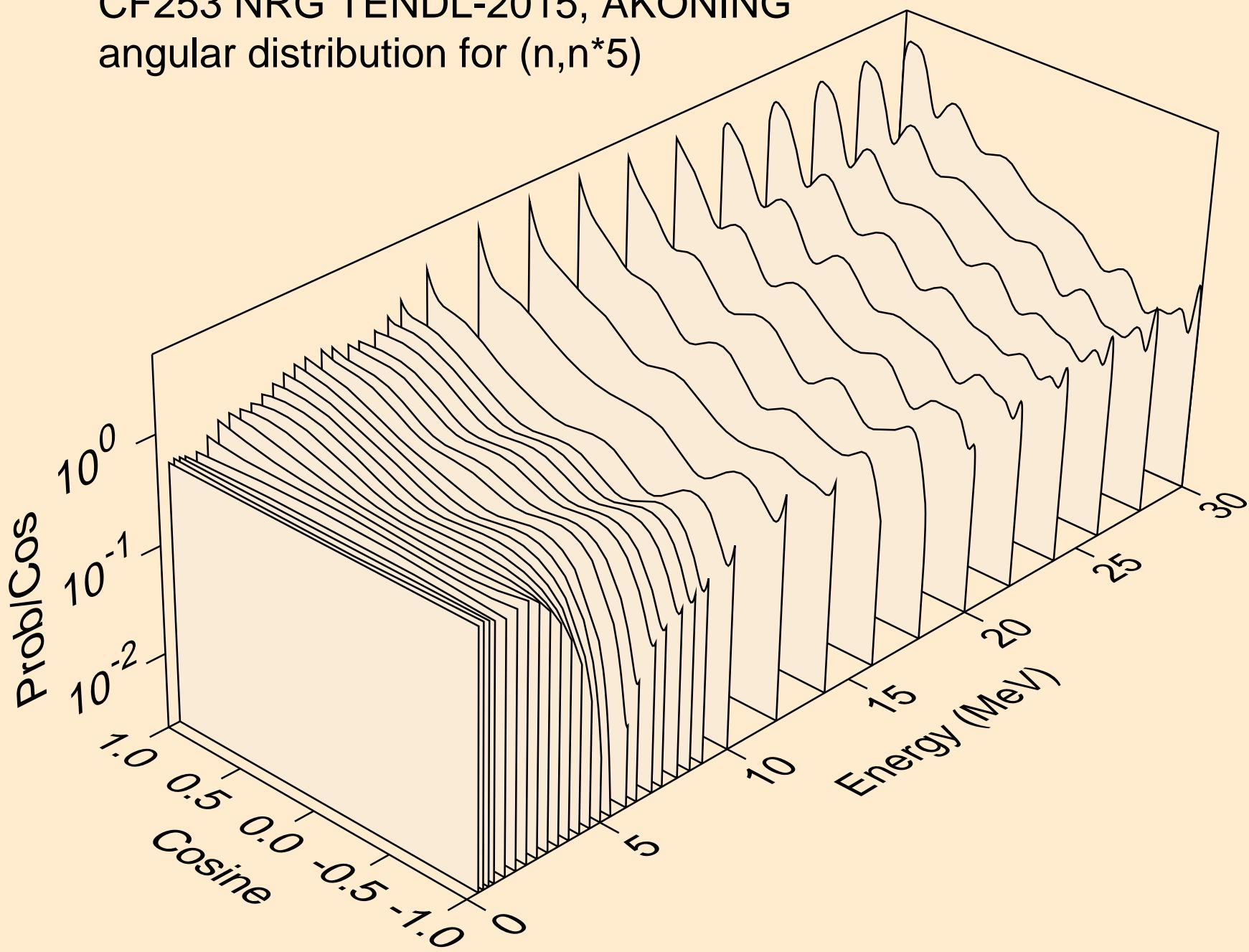
CF253 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*3)$



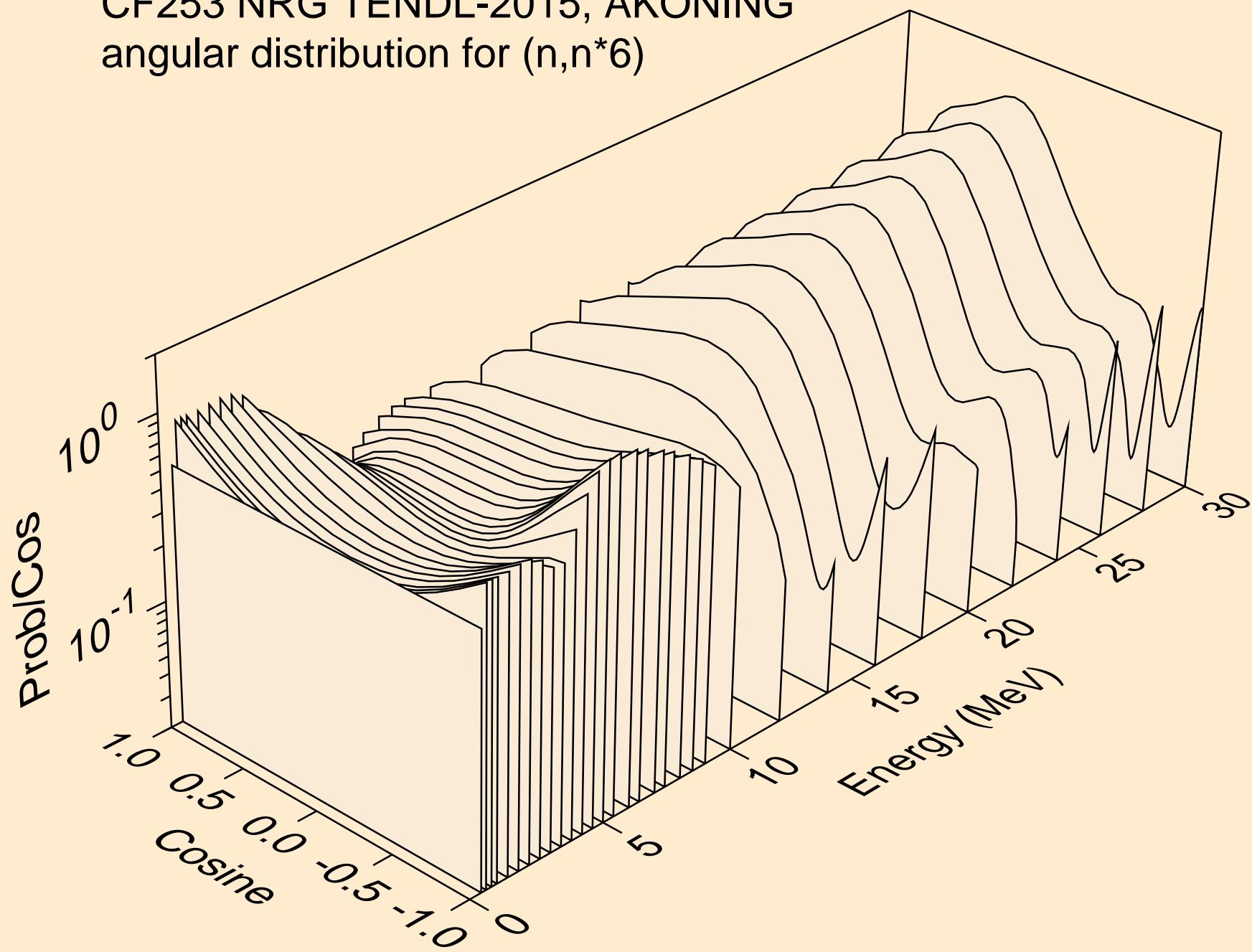
CF253 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*4)$



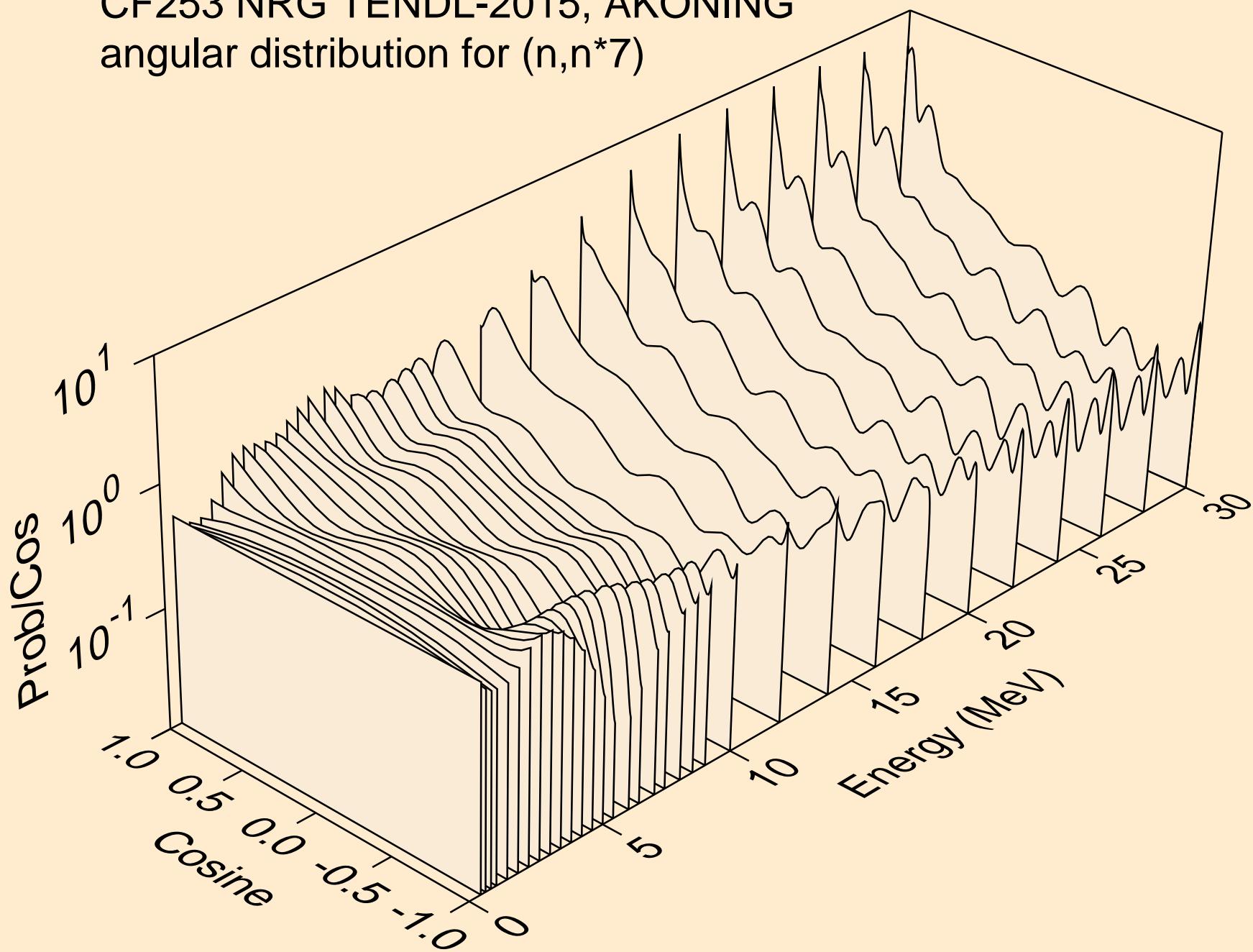
CF253 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^5$



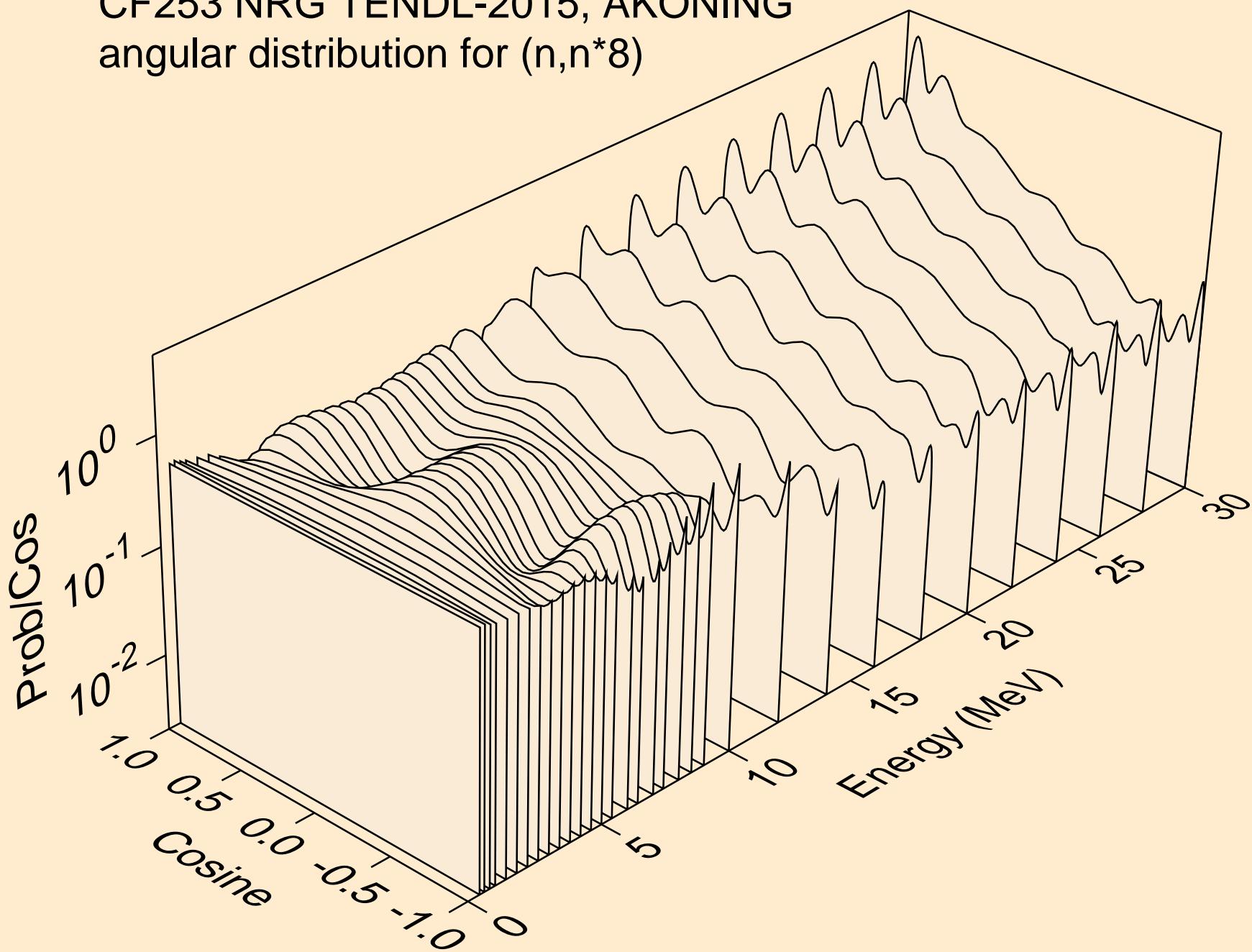
CF253 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*6)$



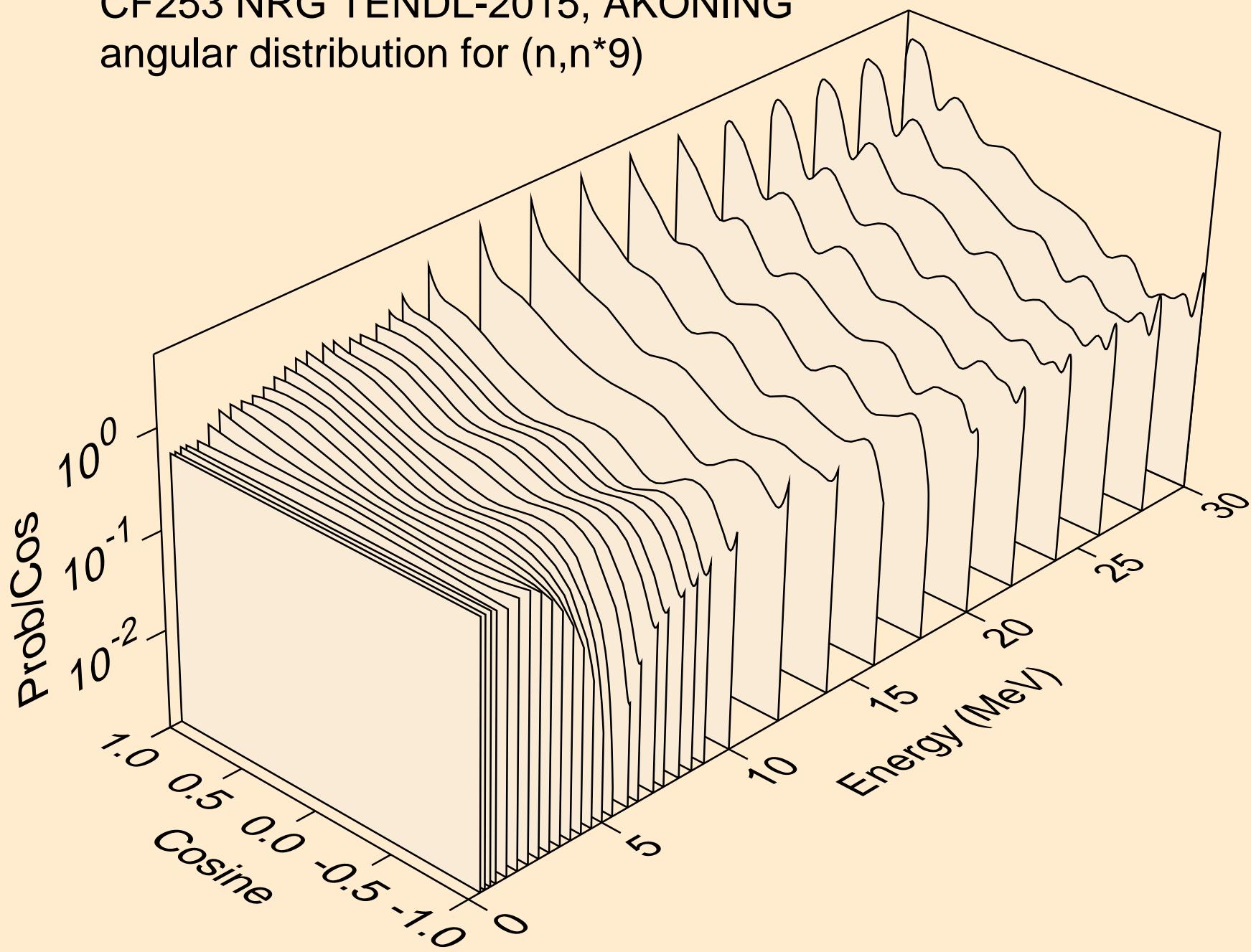
CF253 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)7$



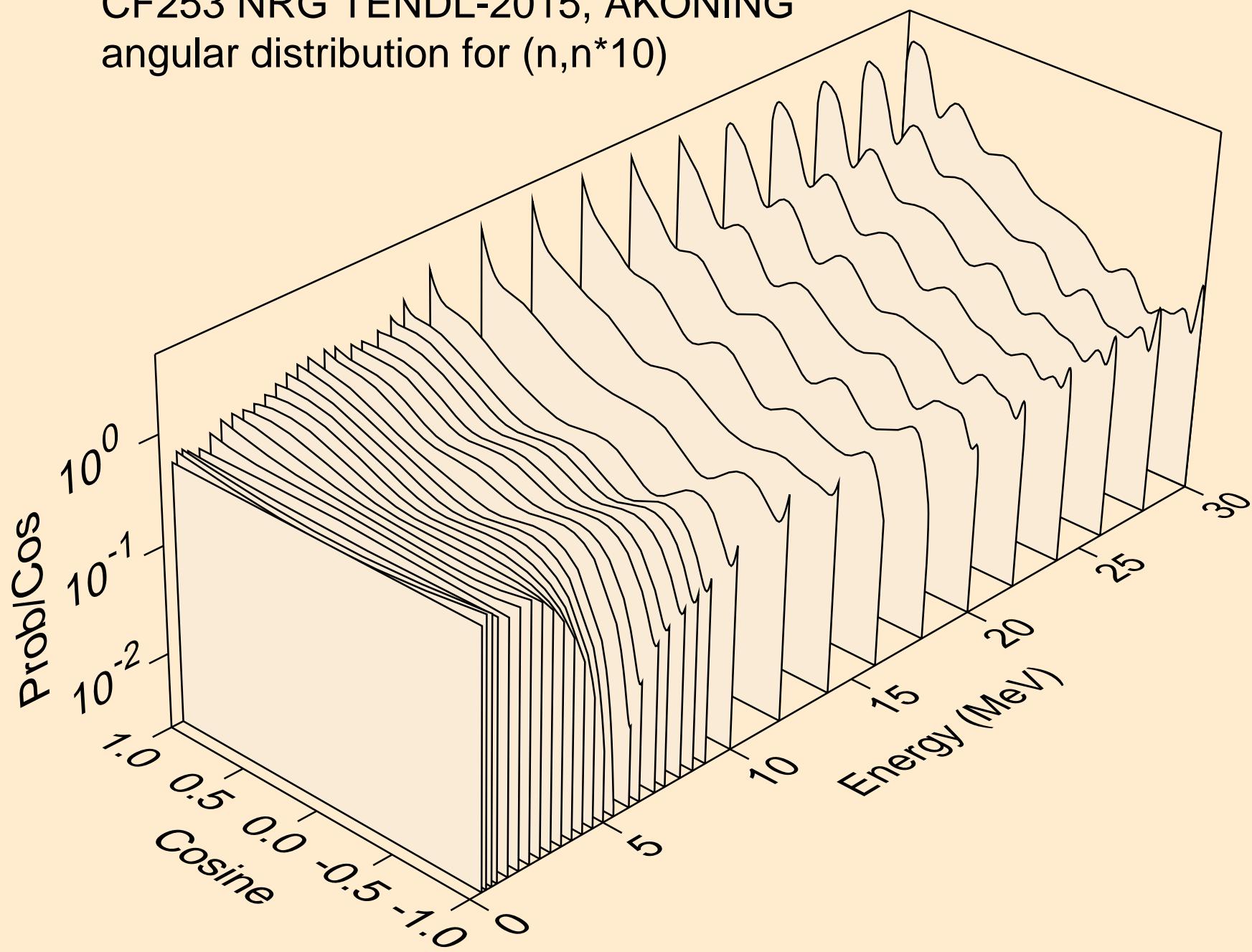
CF253 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^8$



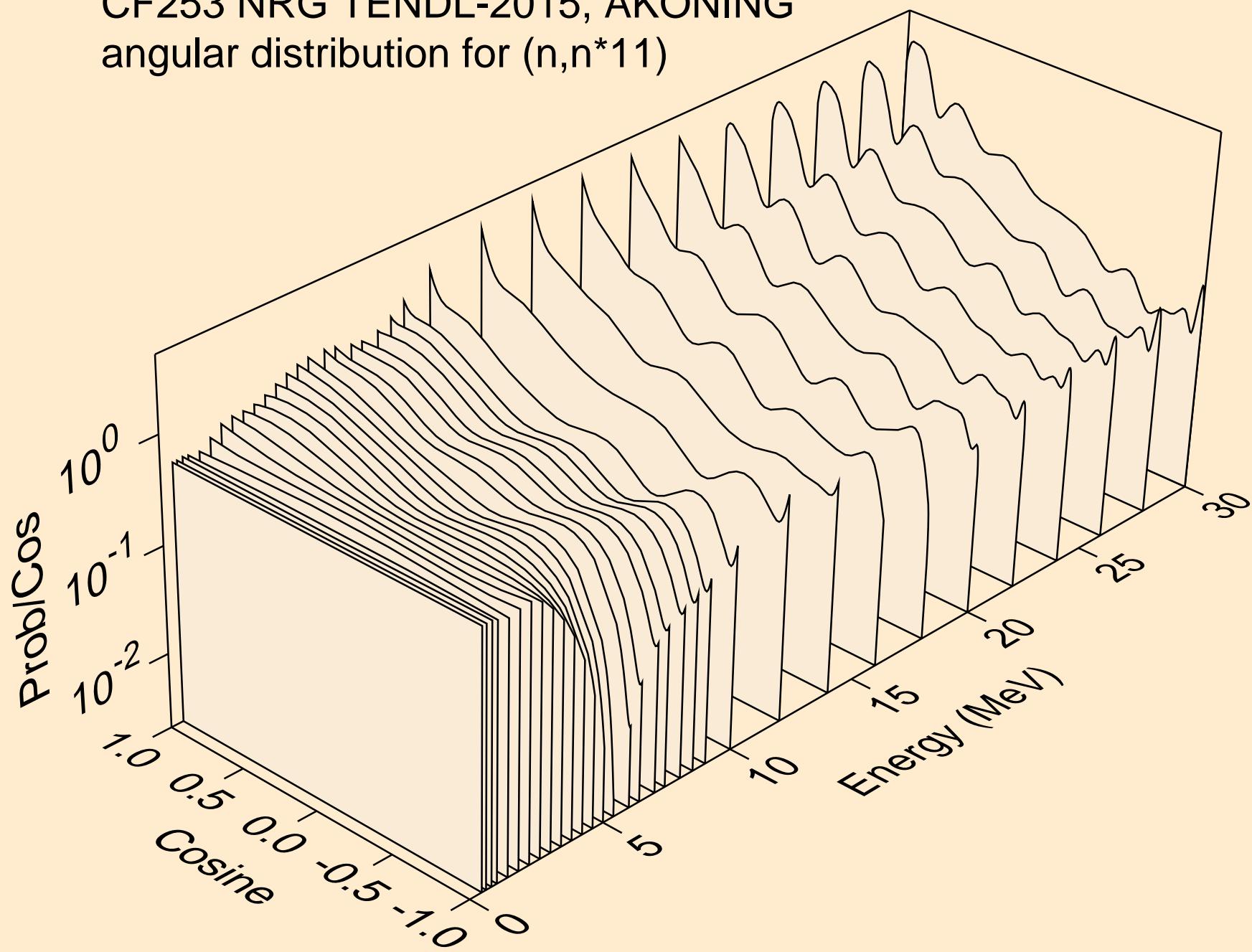
CF253 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)9$



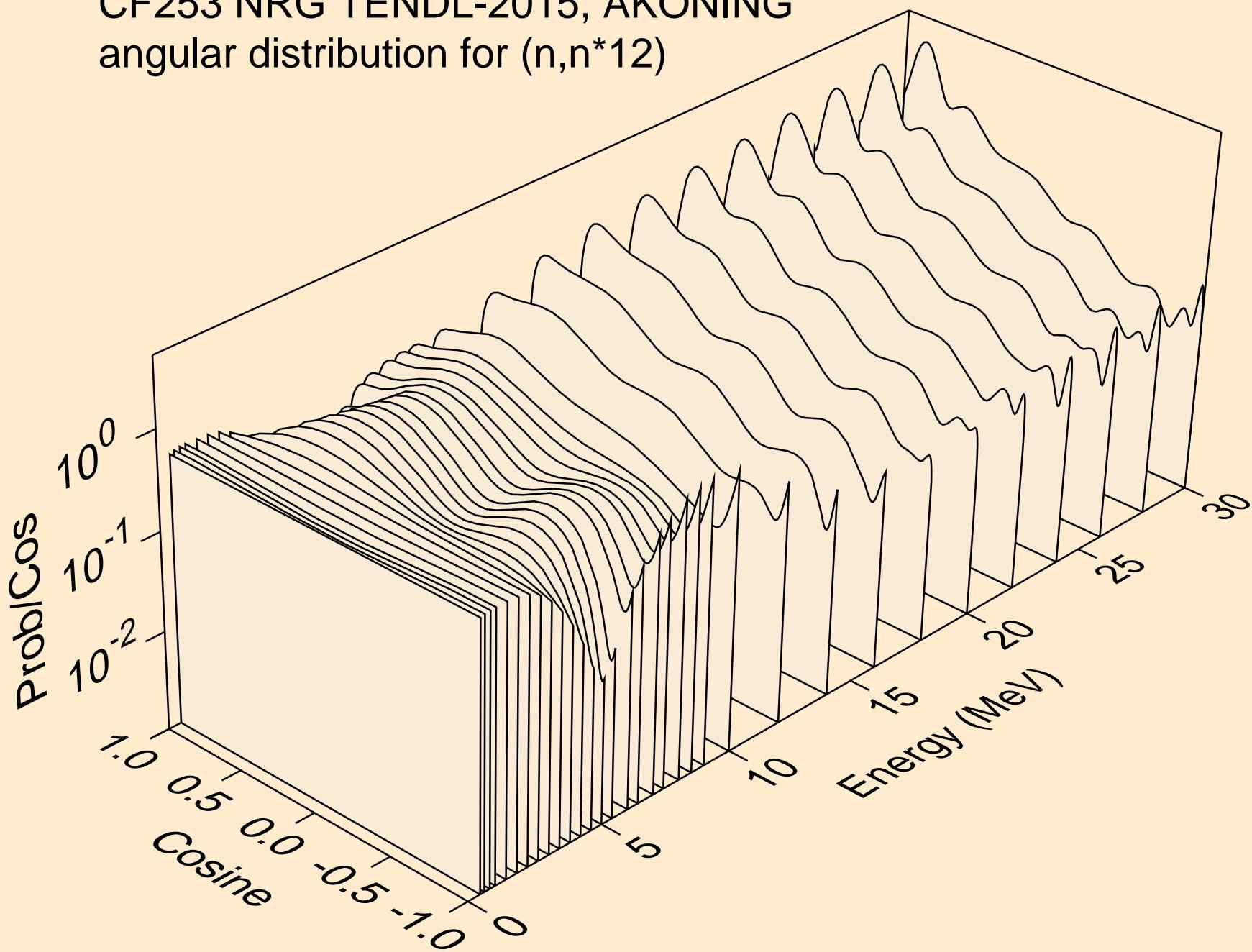
CF253 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



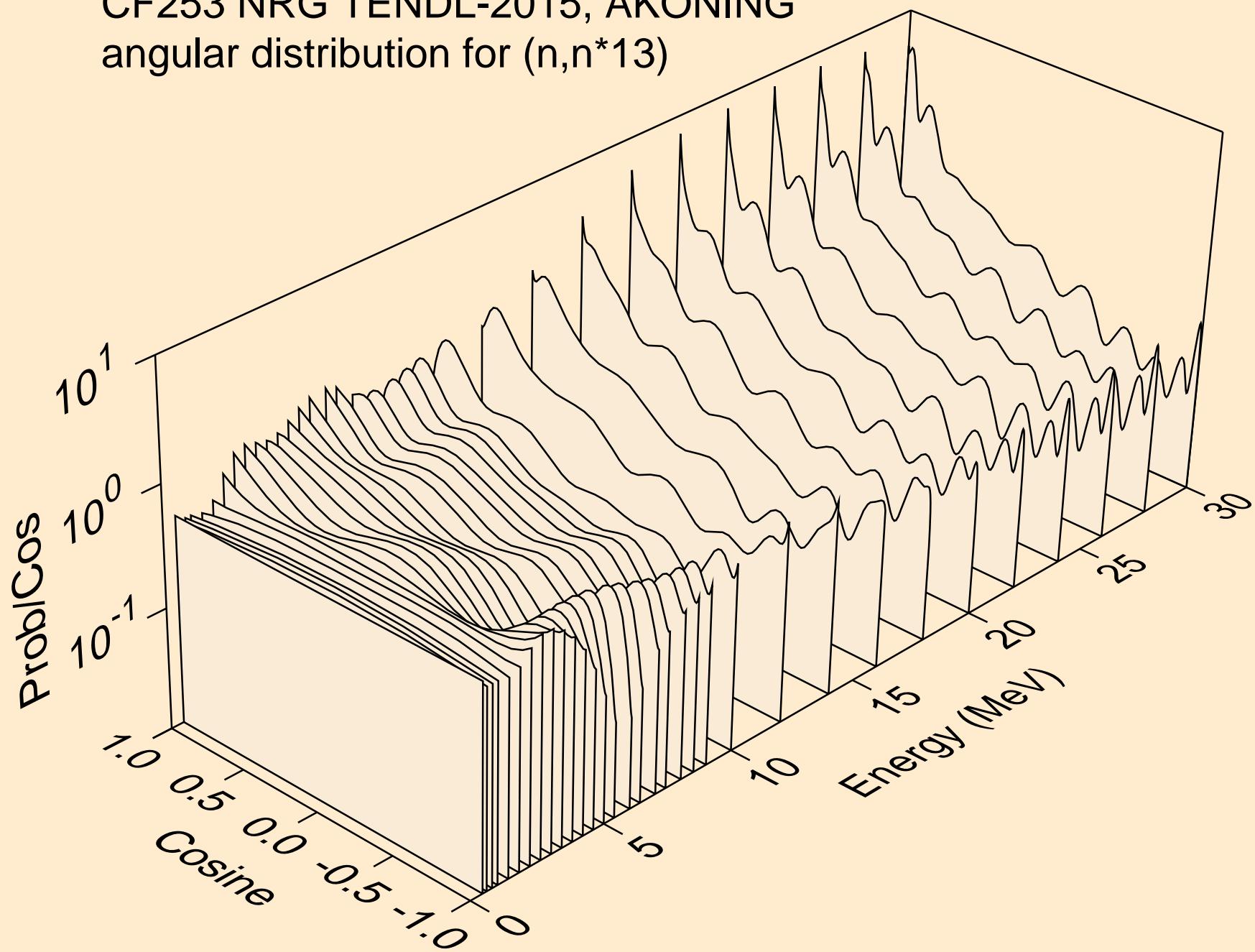
CF253 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



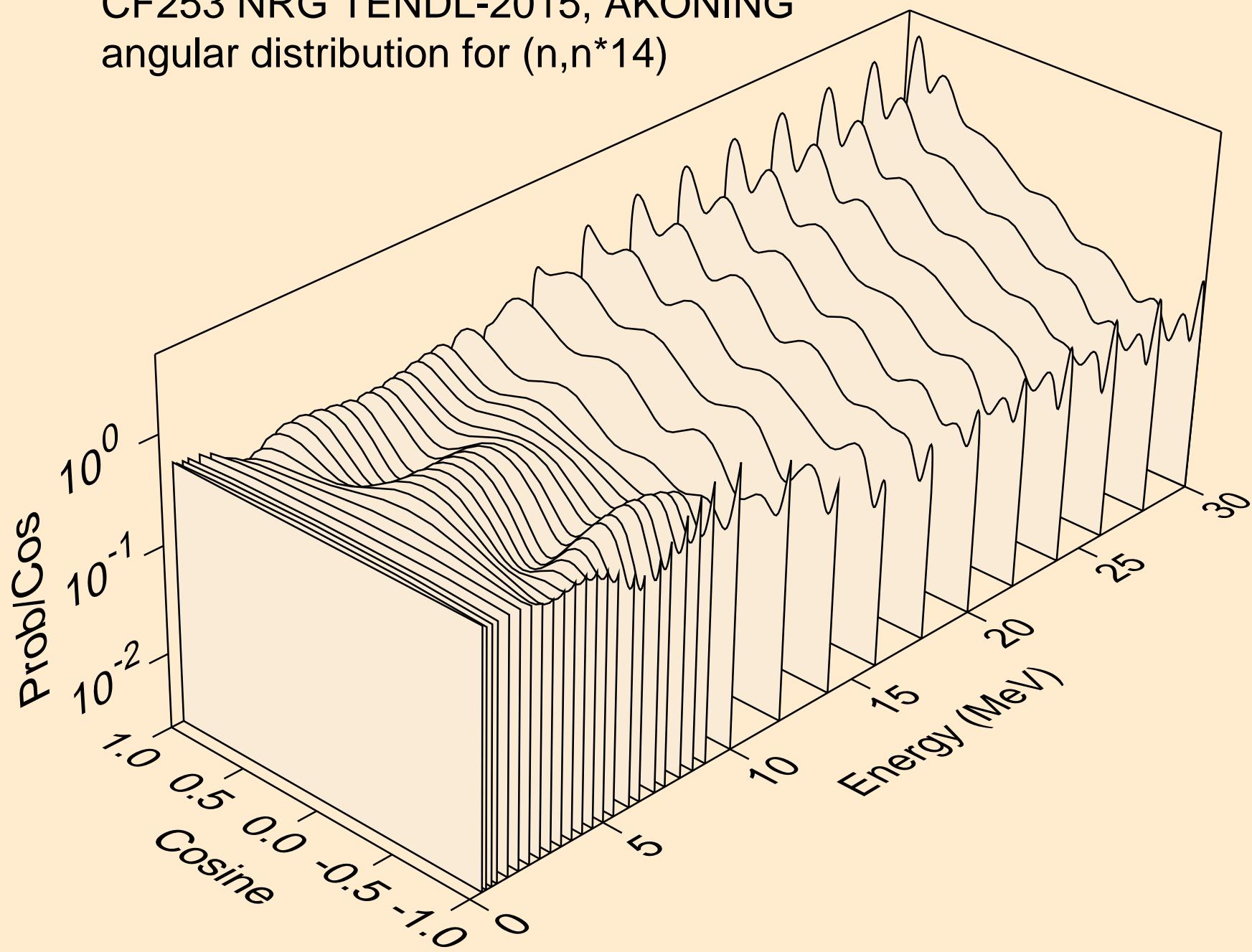
CF253 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*12)$



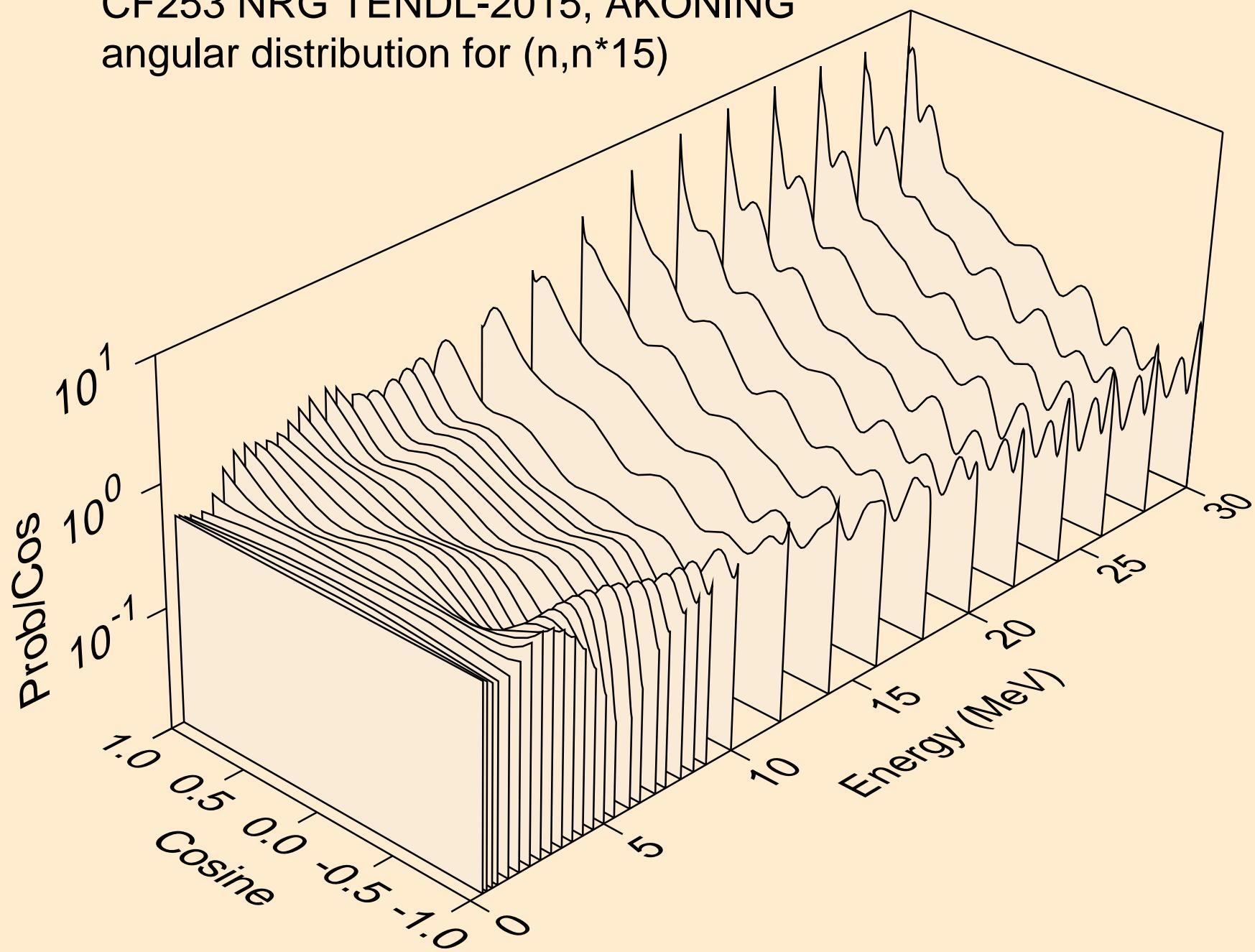
CF253 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)



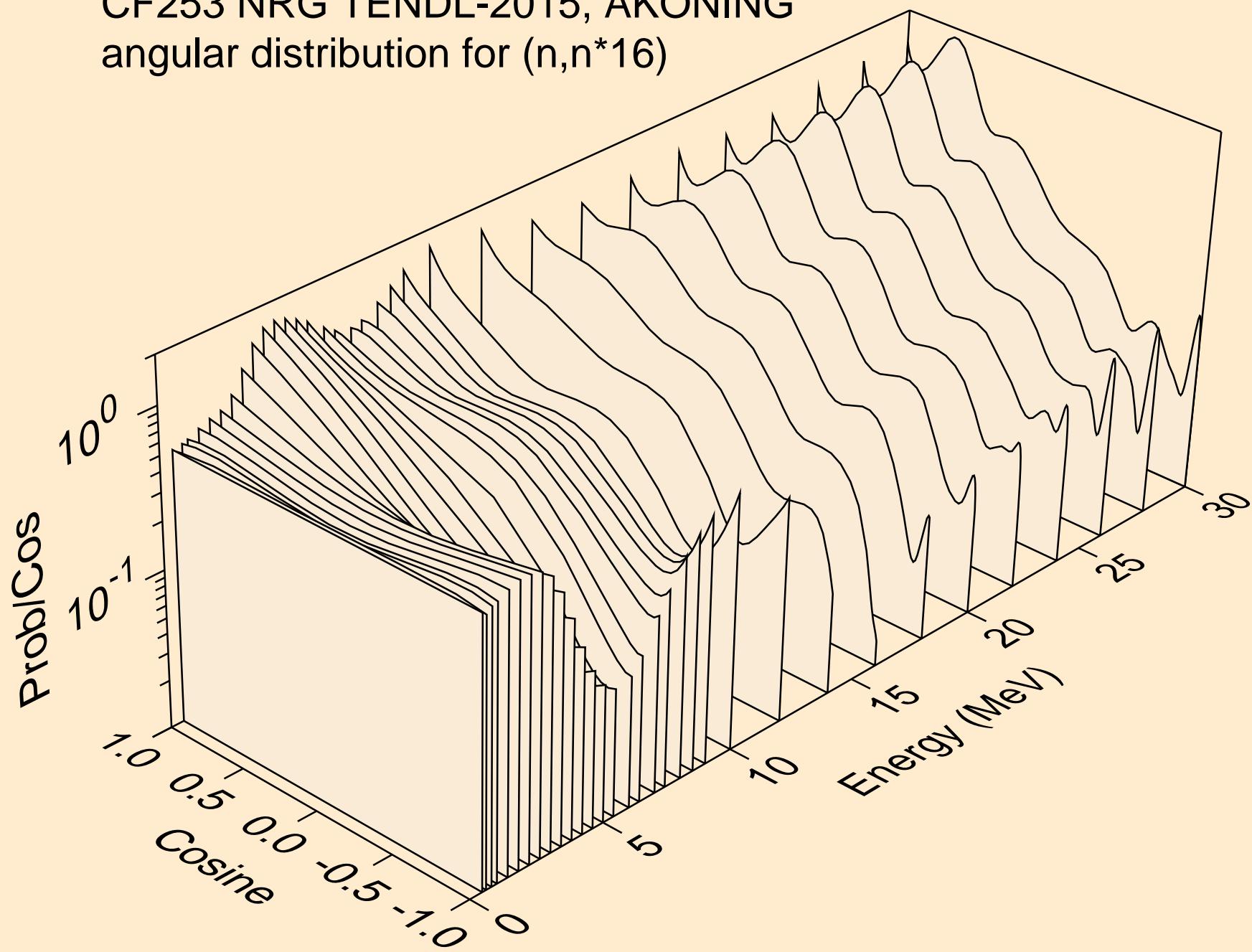
CF253 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*14)$



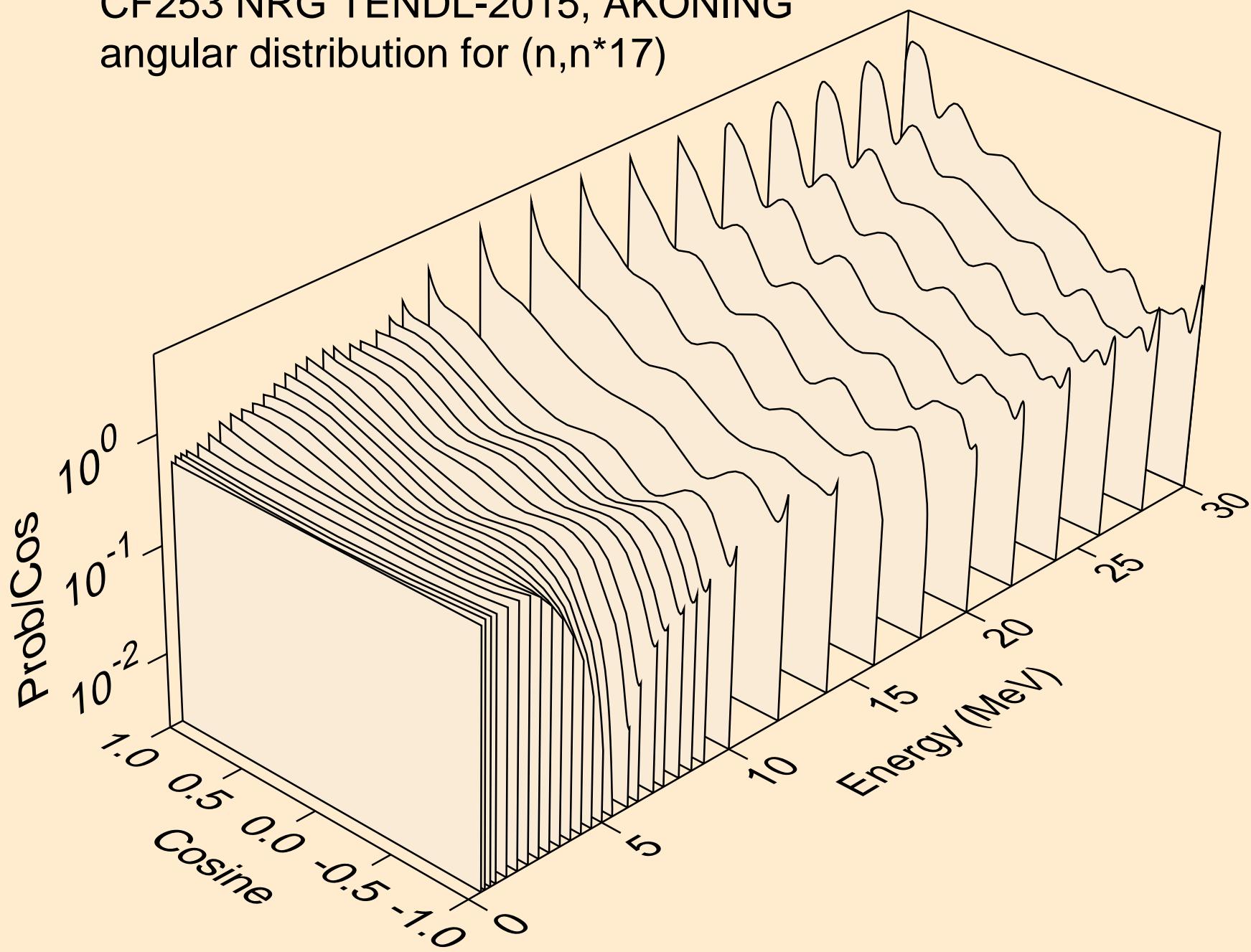
CF253 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*15)$



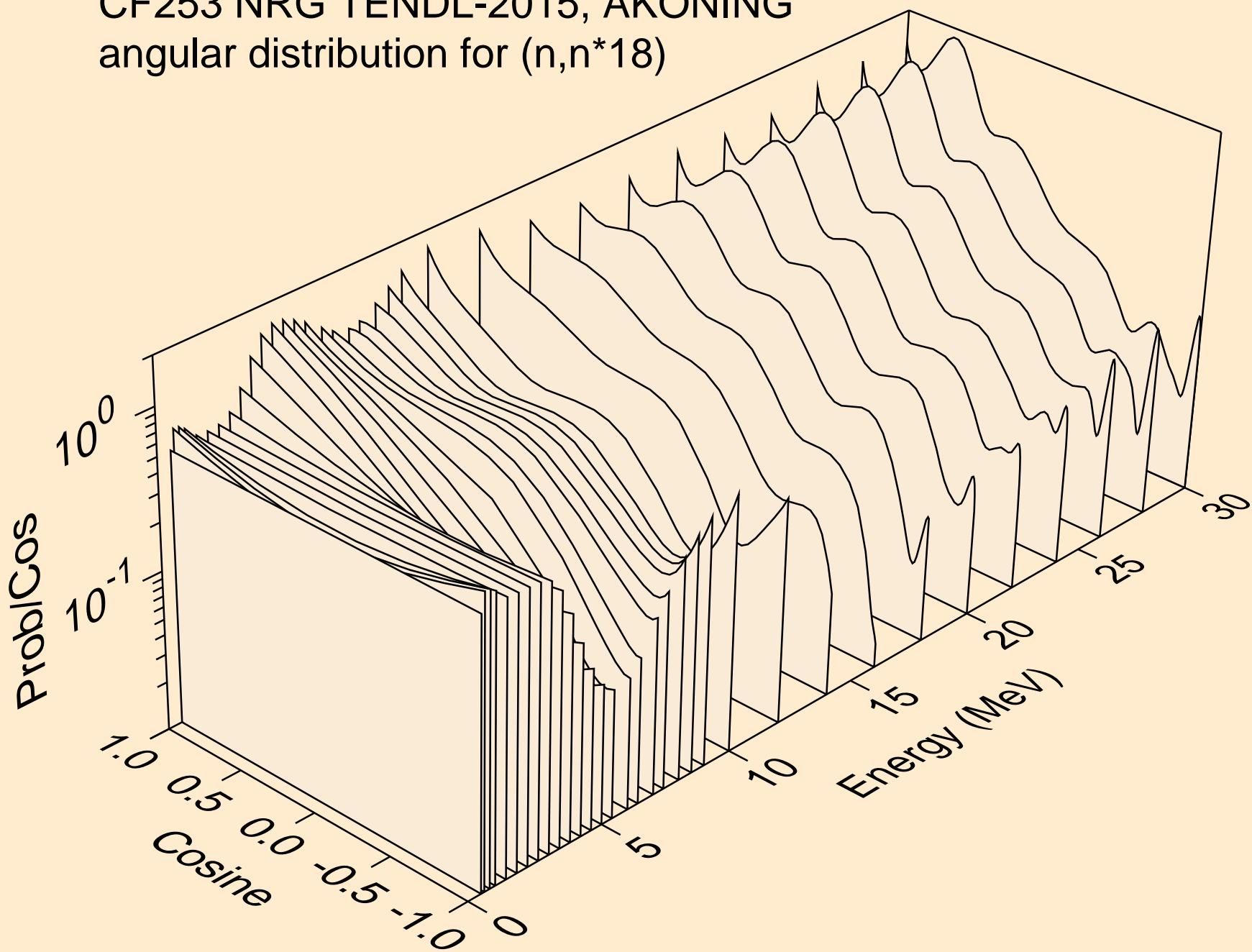
CF253 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)



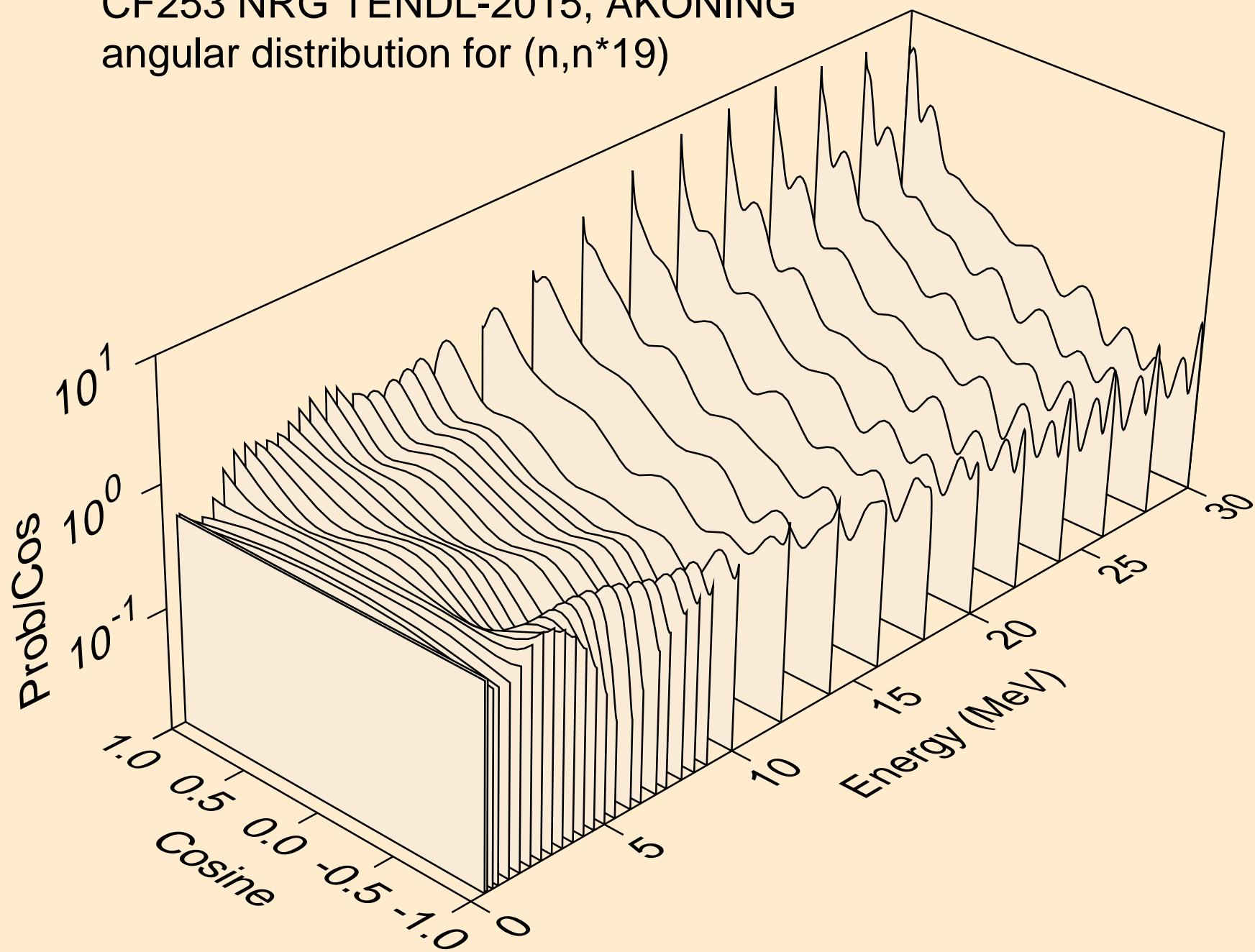
CF253 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



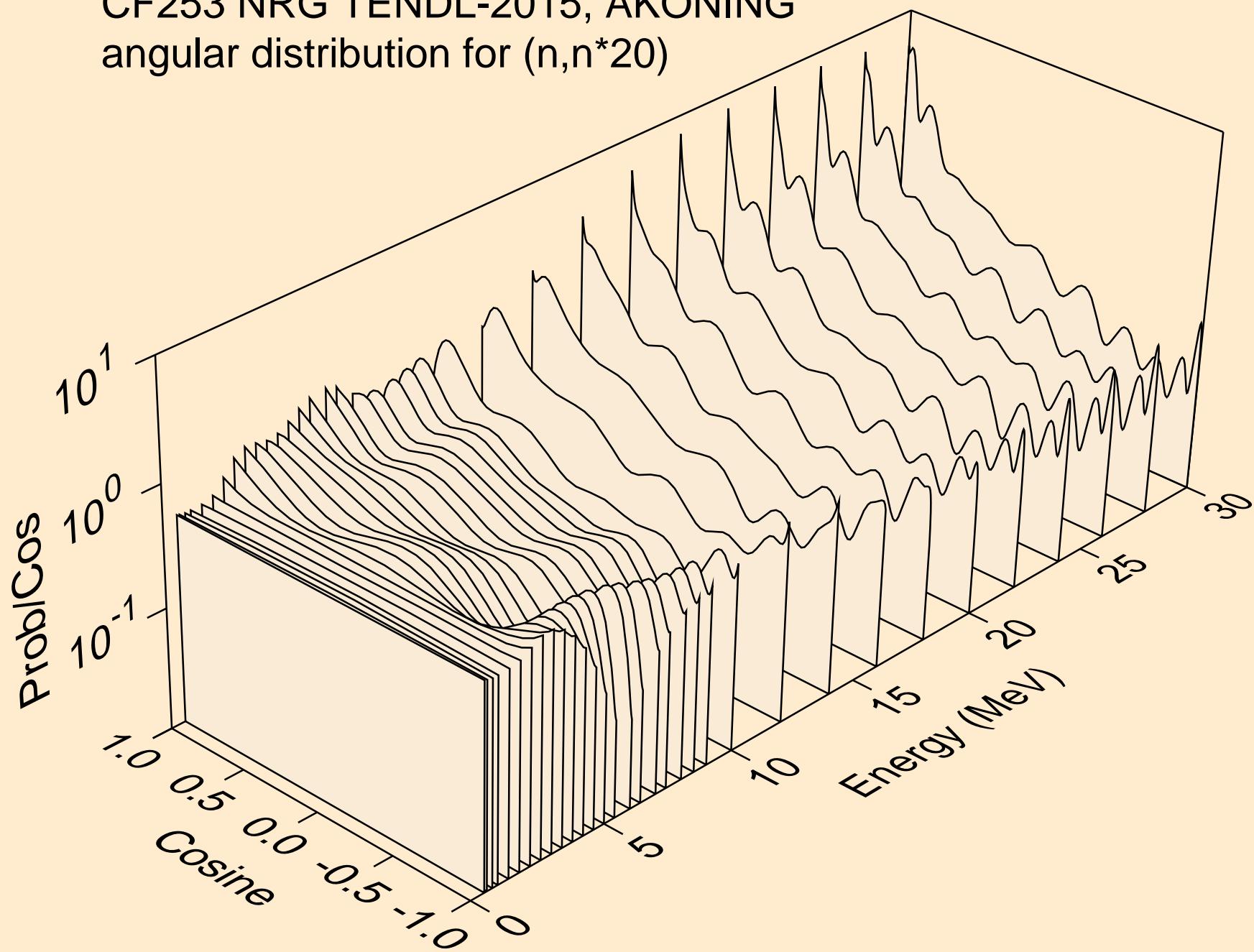
CF253 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



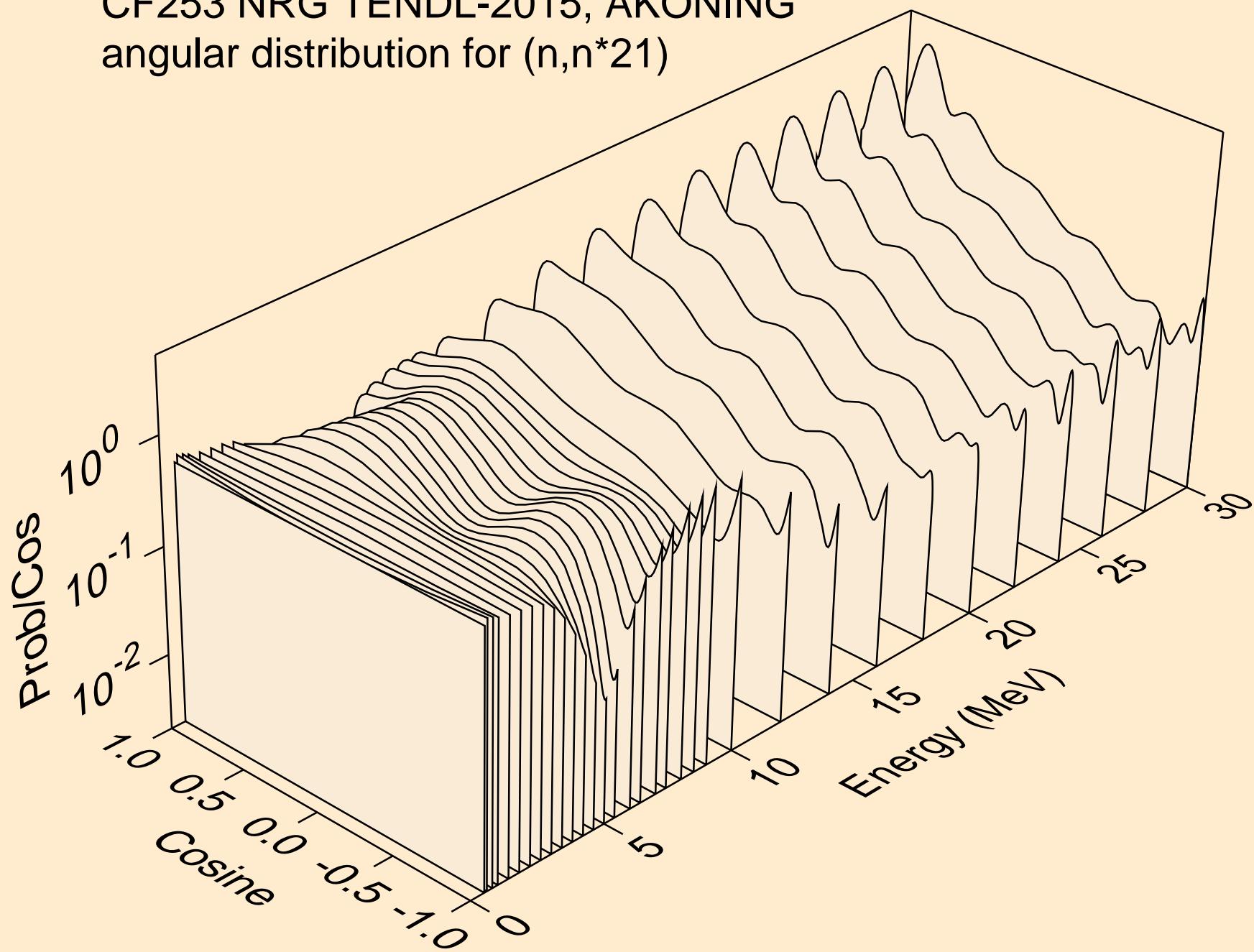
CF253 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*19)$



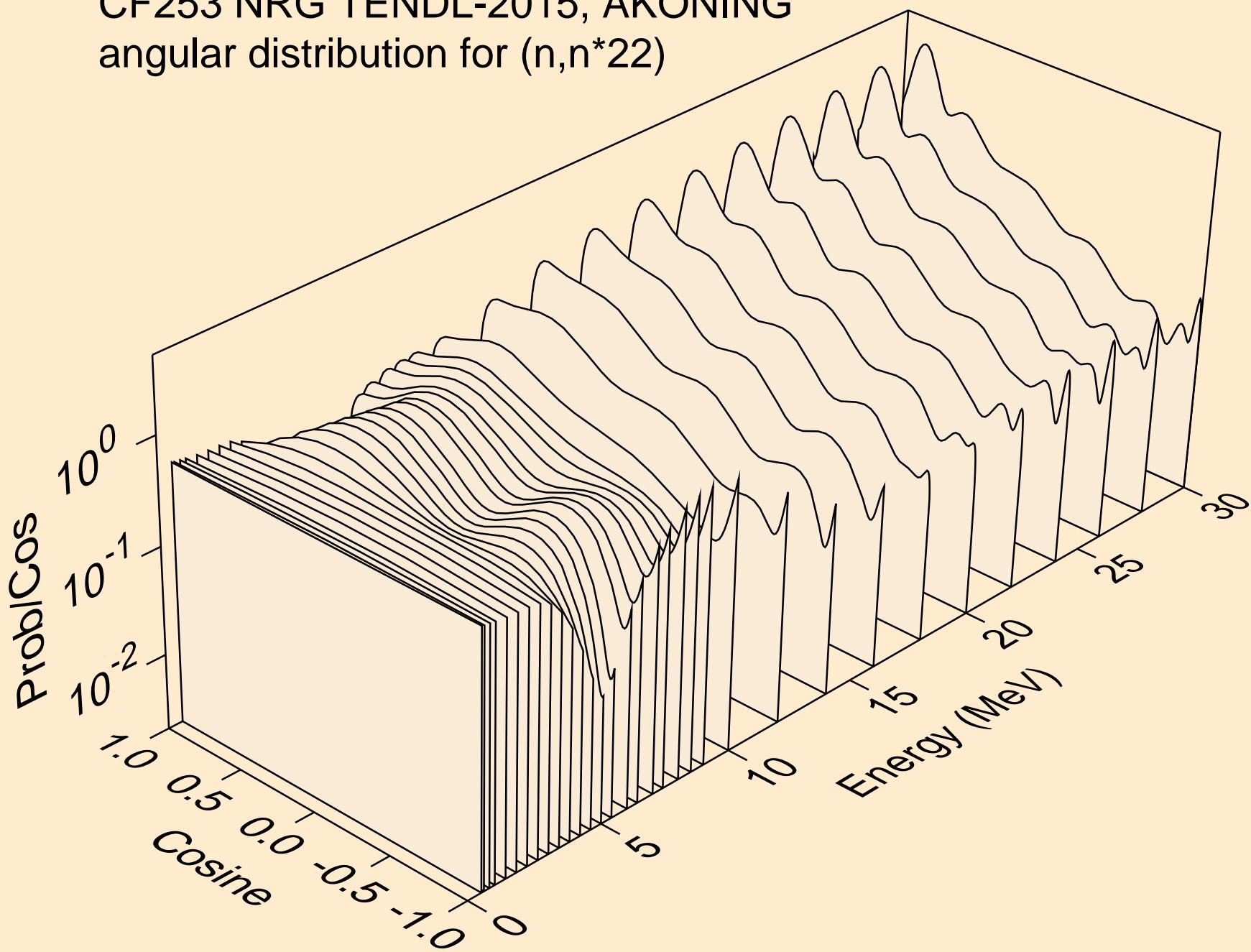
CF253 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^{20}$



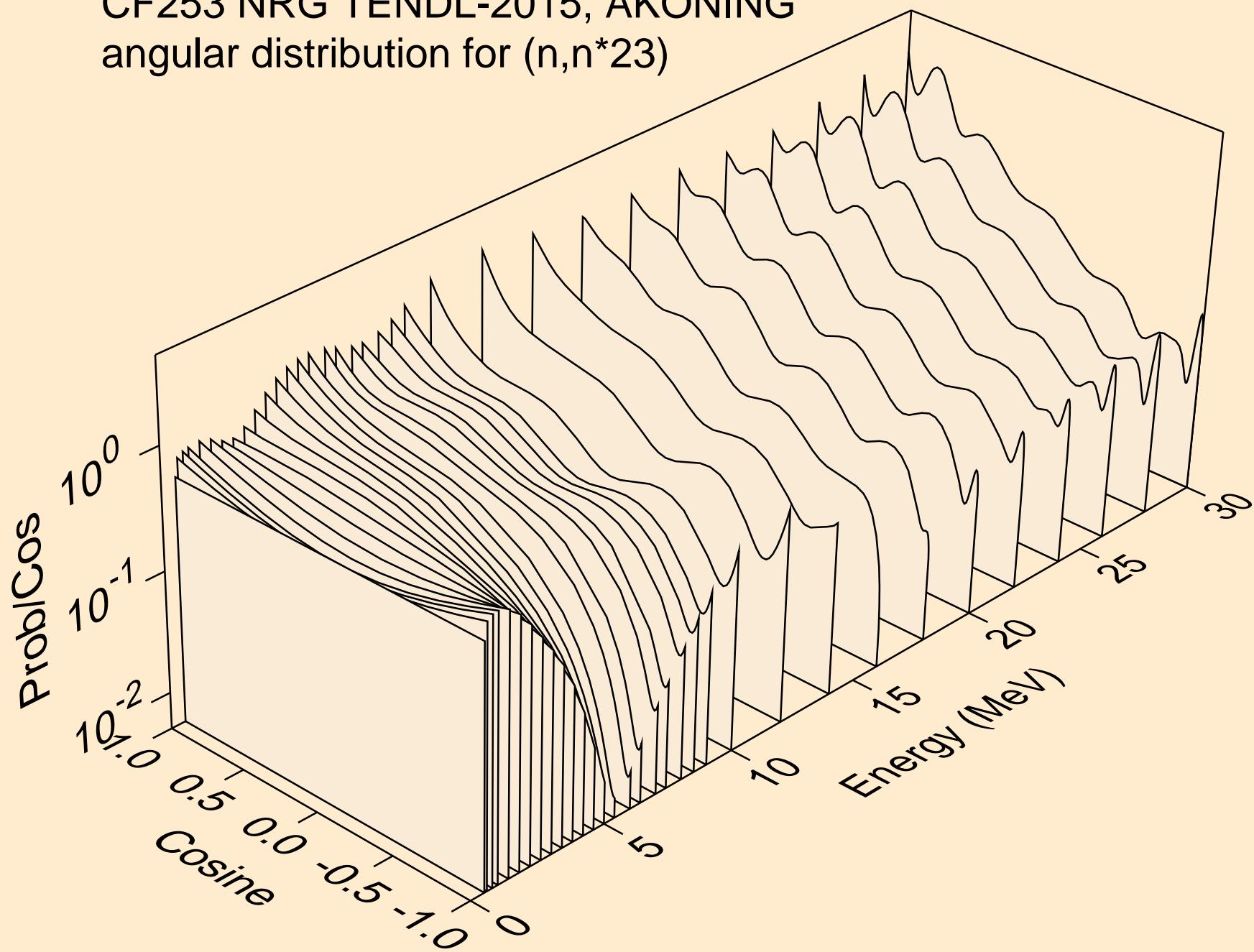
CF253 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*21)$



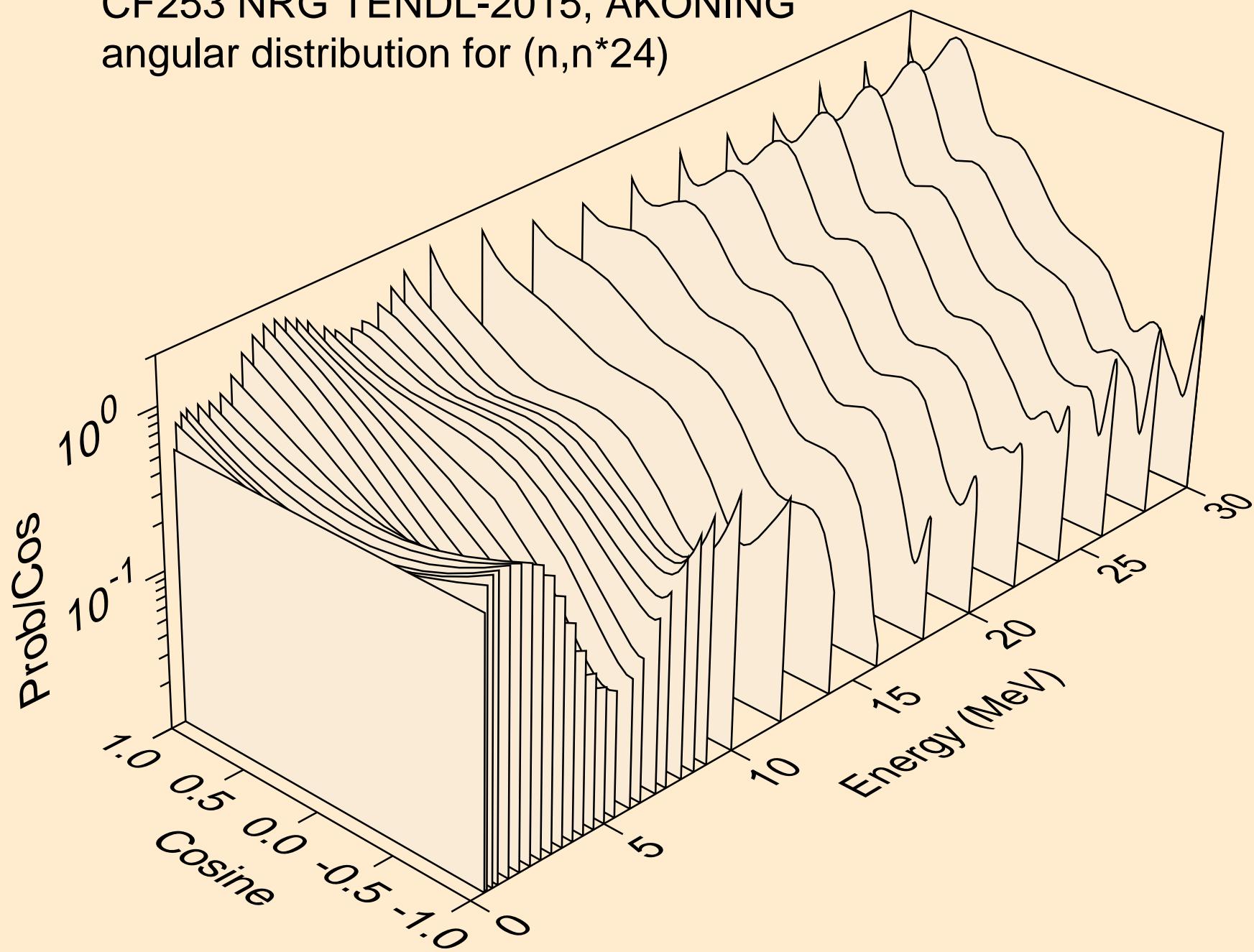
CF253 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^{22}$



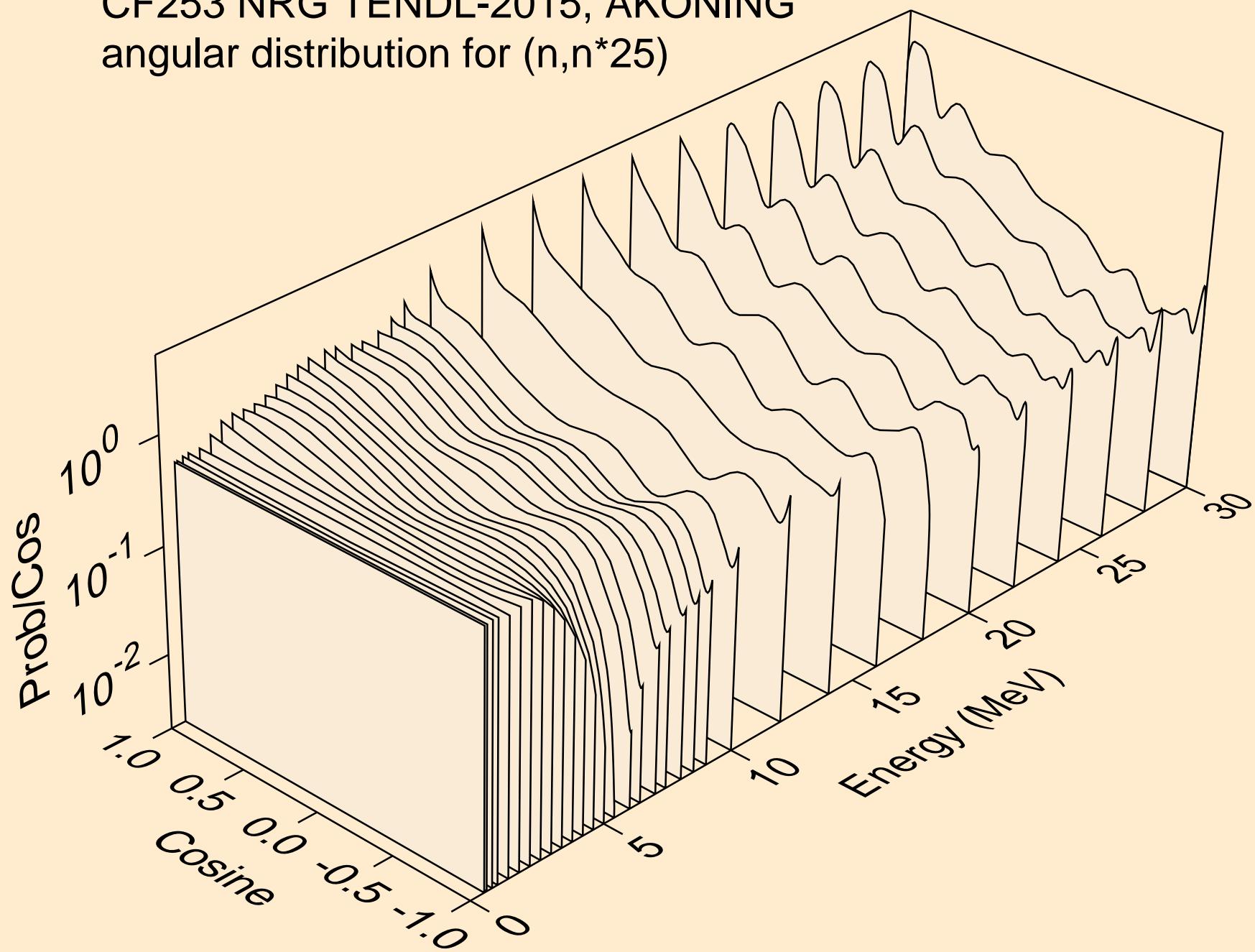
CF253 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)_{23}$



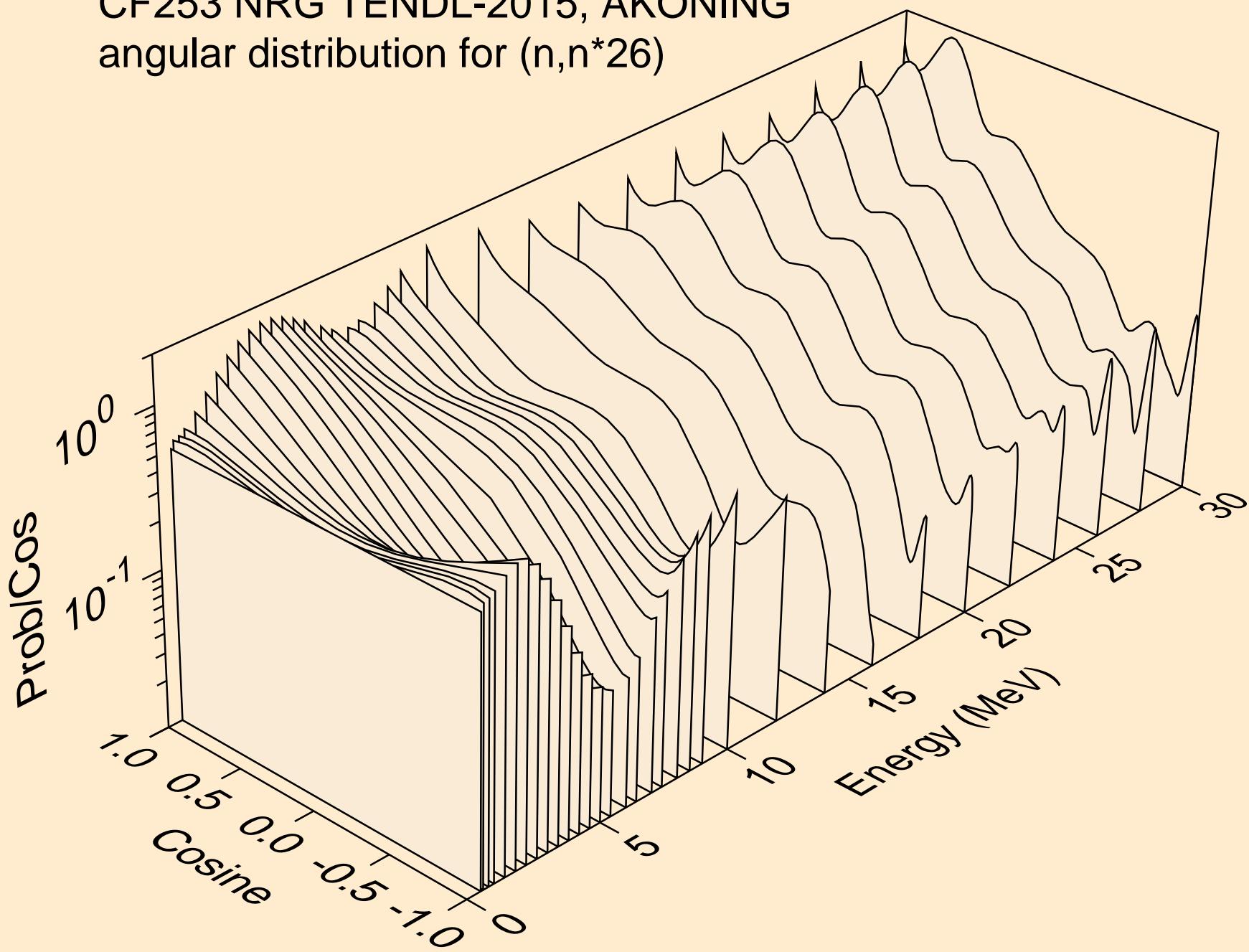
CF253 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^{24}$



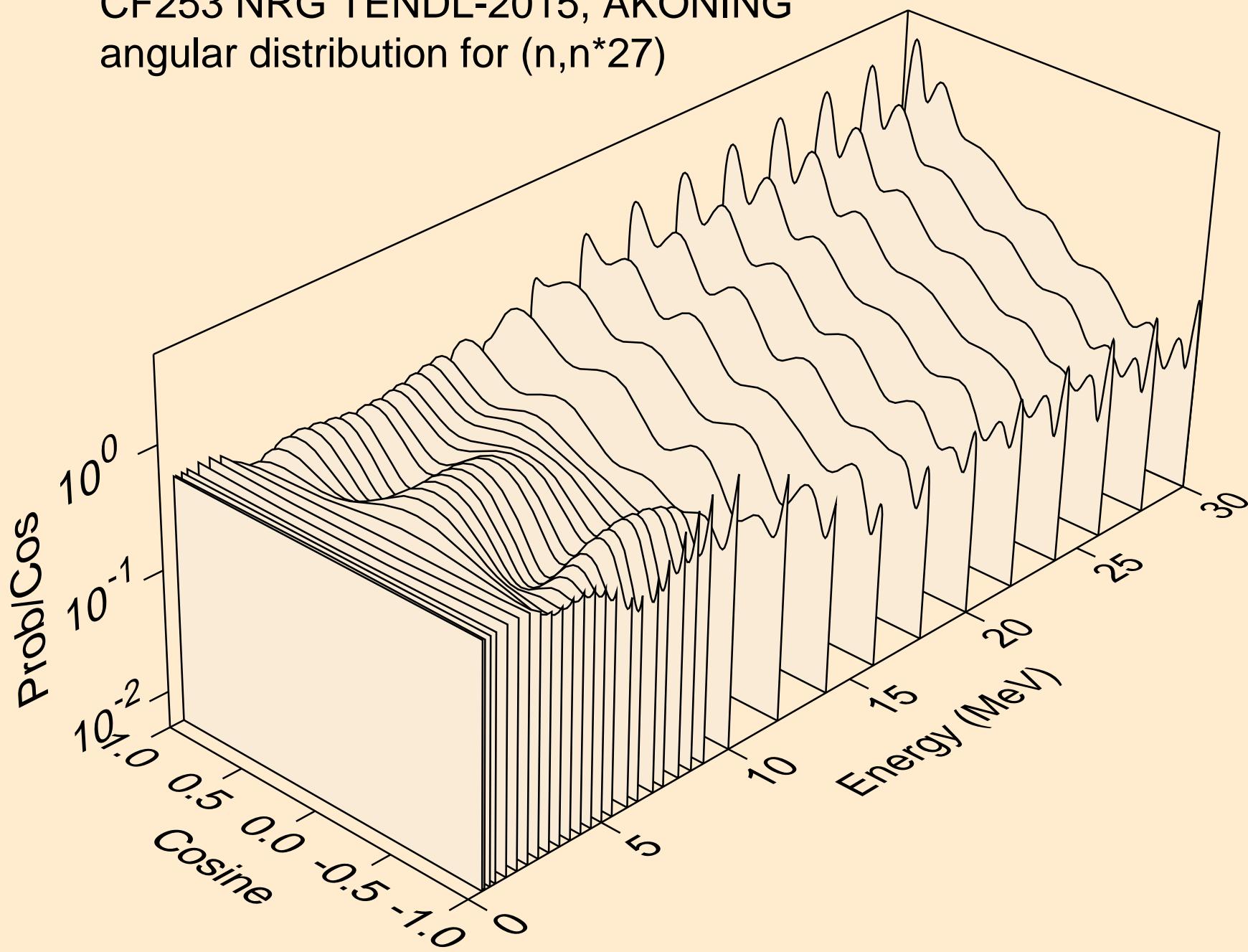
CF253 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



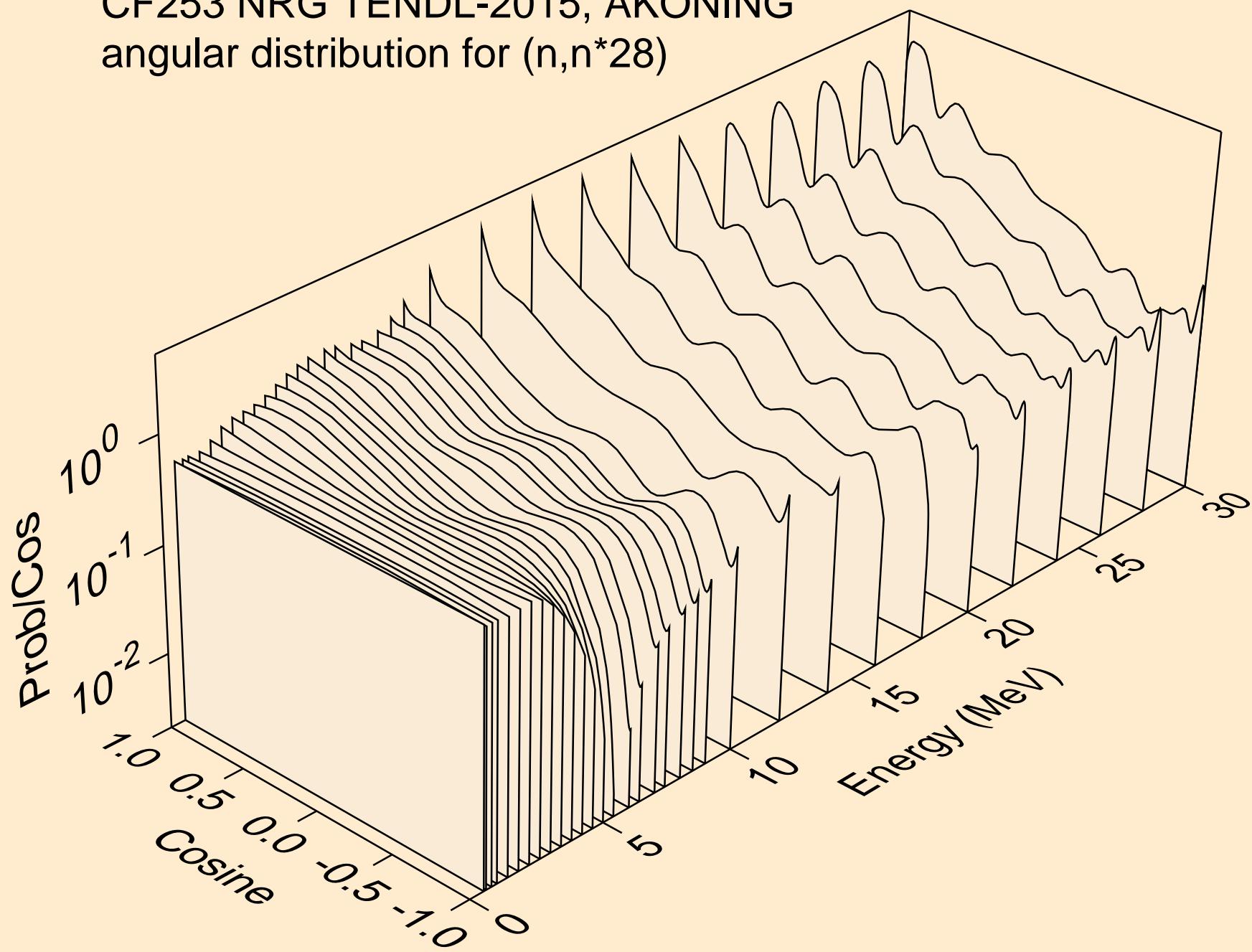
CF253 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)_{26}$



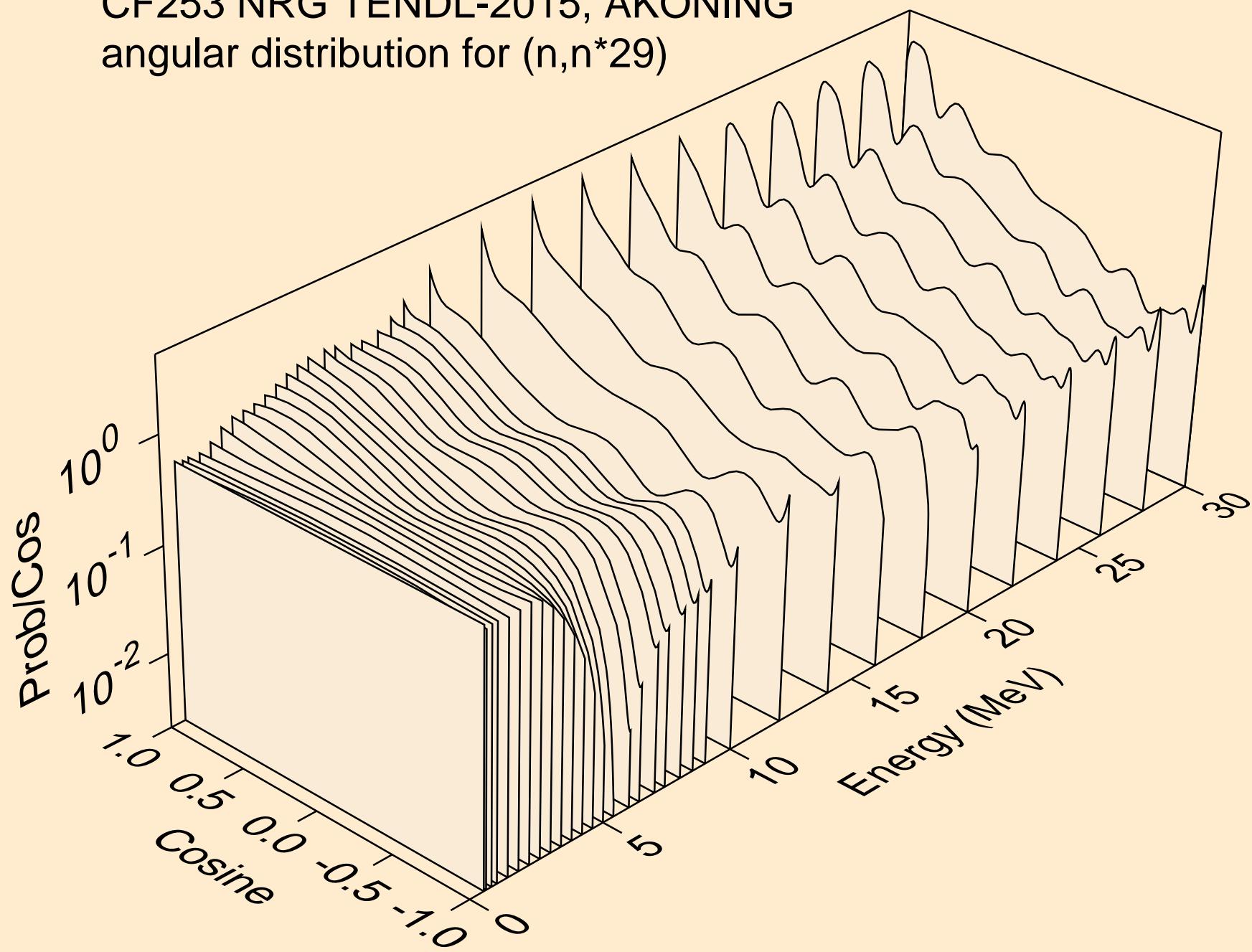
CF253 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*27)$



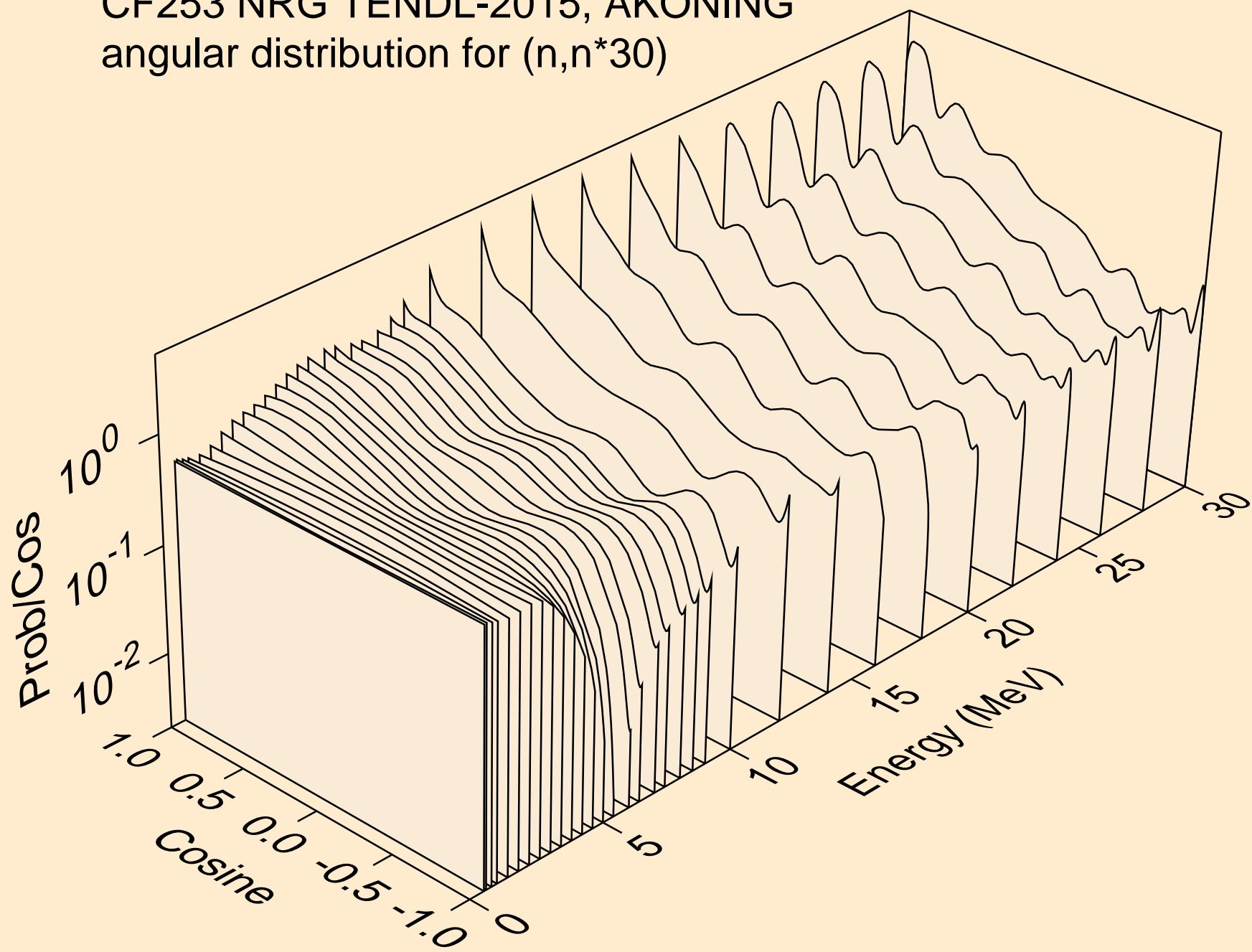
CF253 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^{28}$



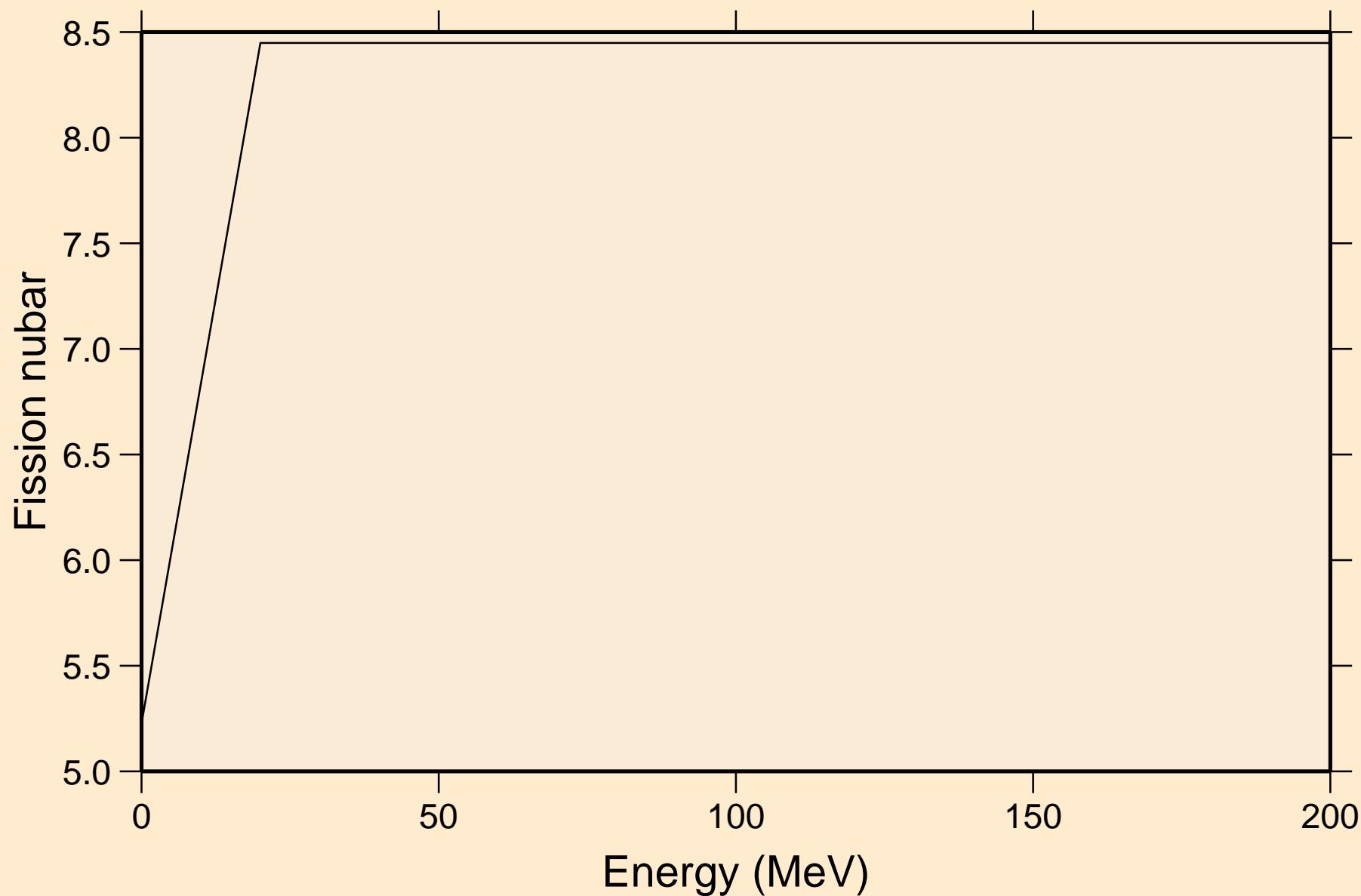
CF253 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*29)$



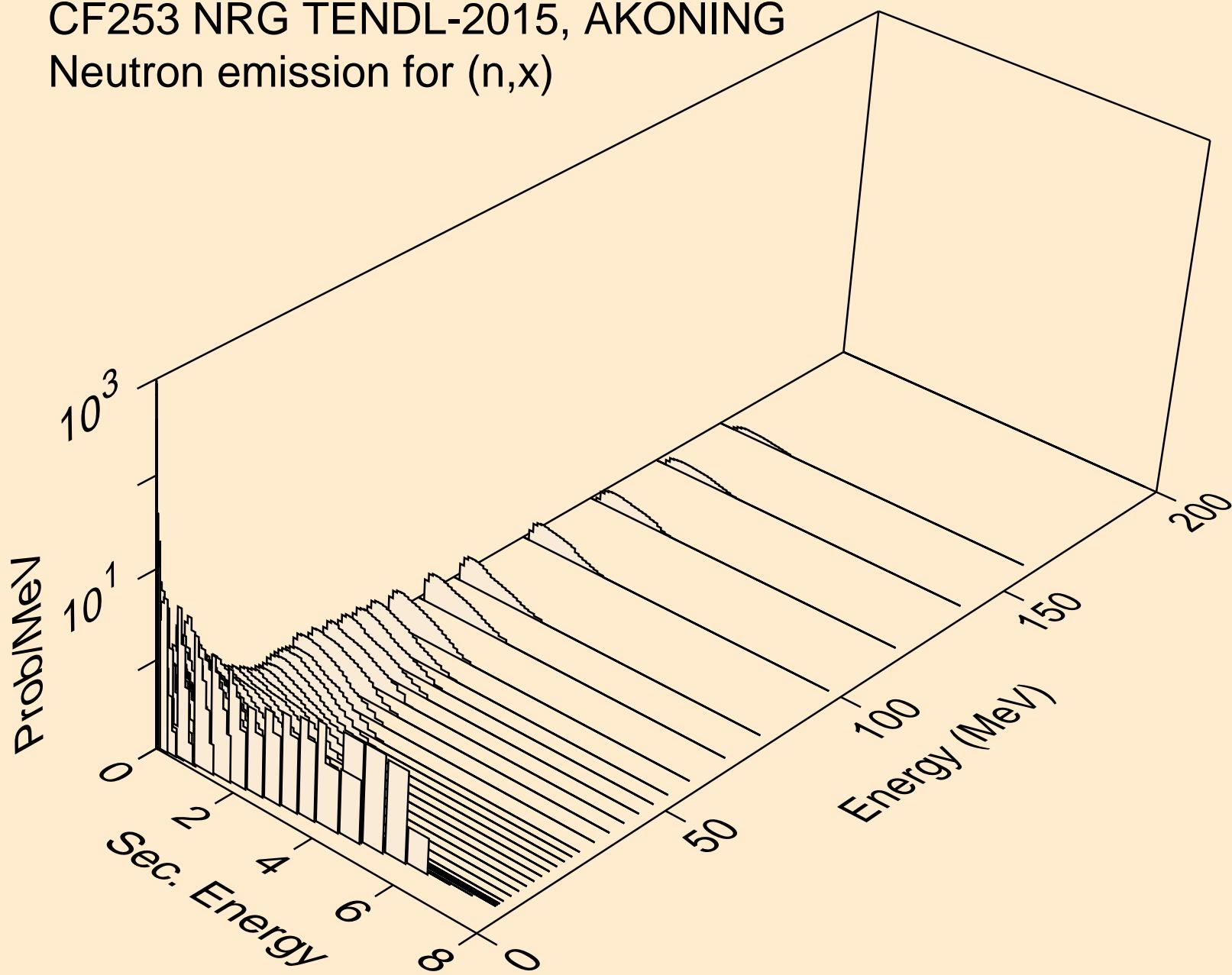
CF253 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)30$



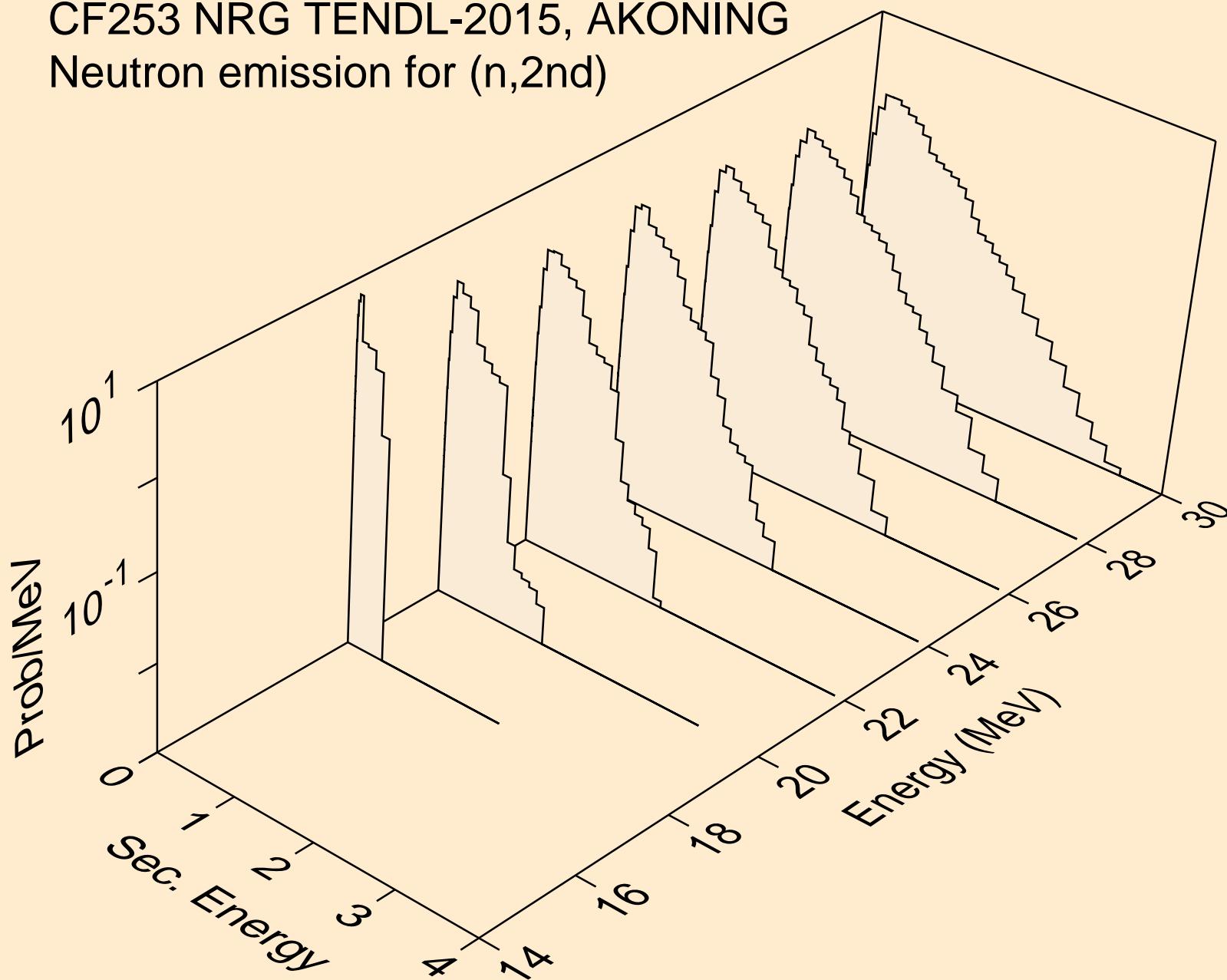
CF253 NRG TENDL-2015, AKONING  
Total fission nubar



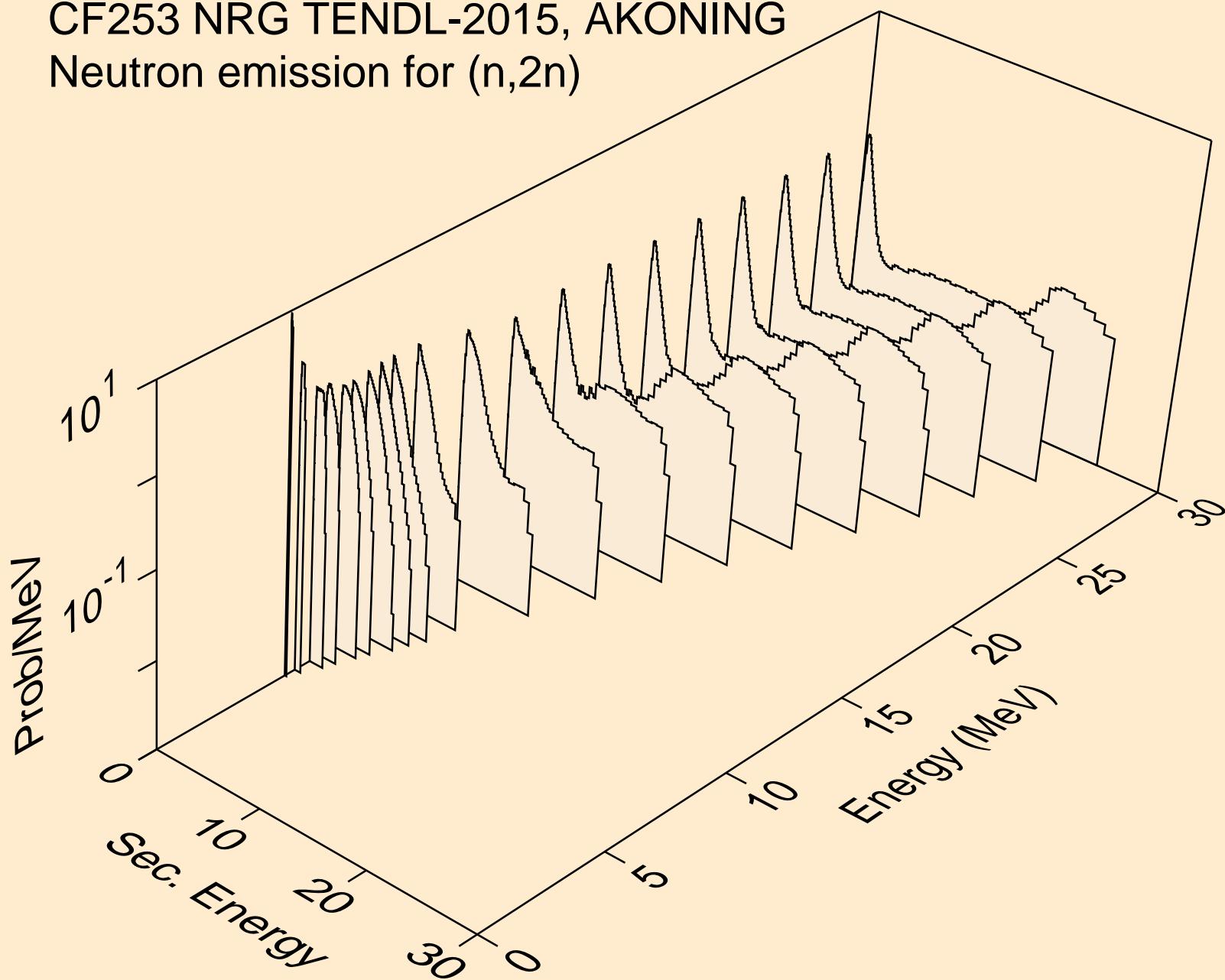
CF253 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



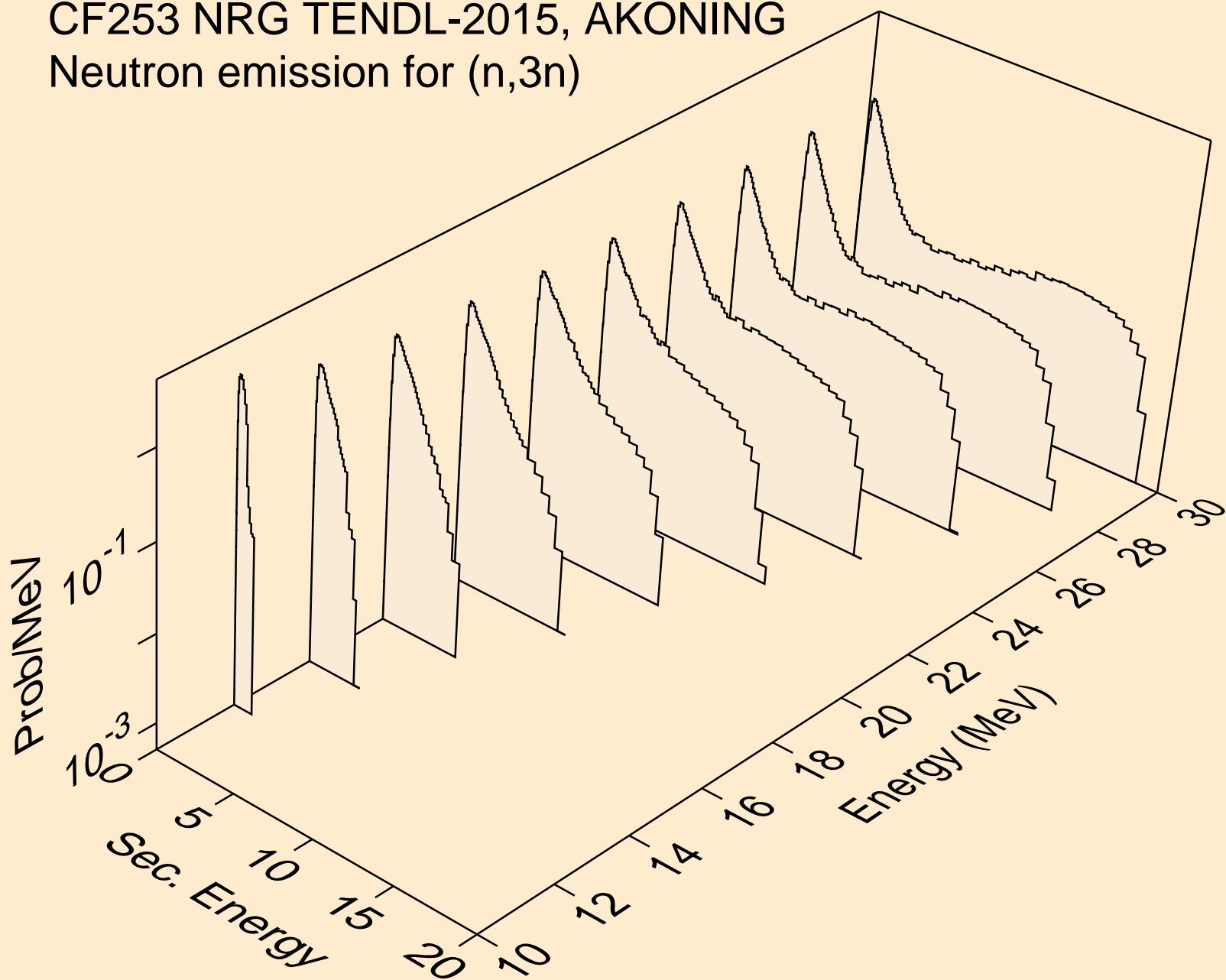
CF253 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



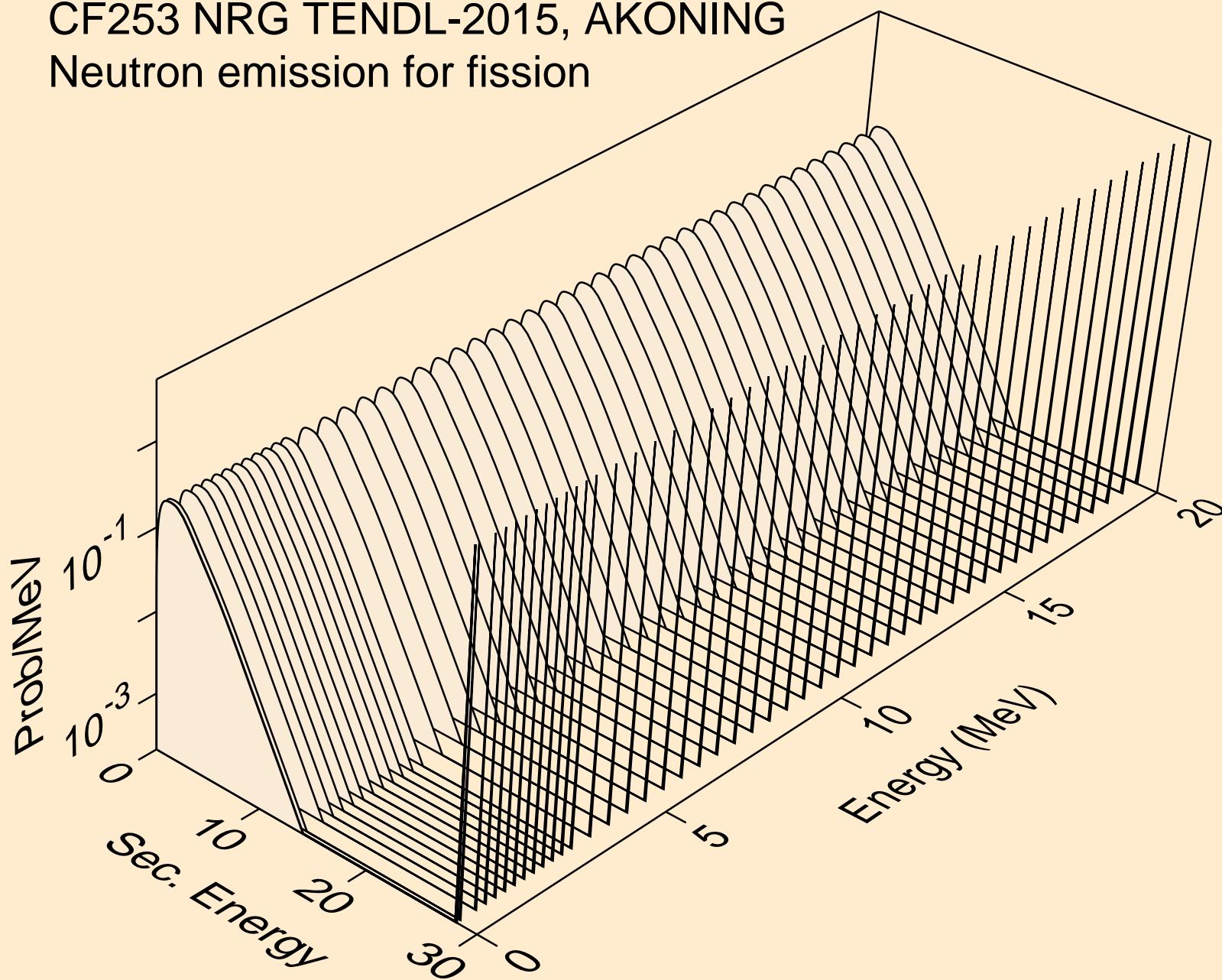
CF253 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



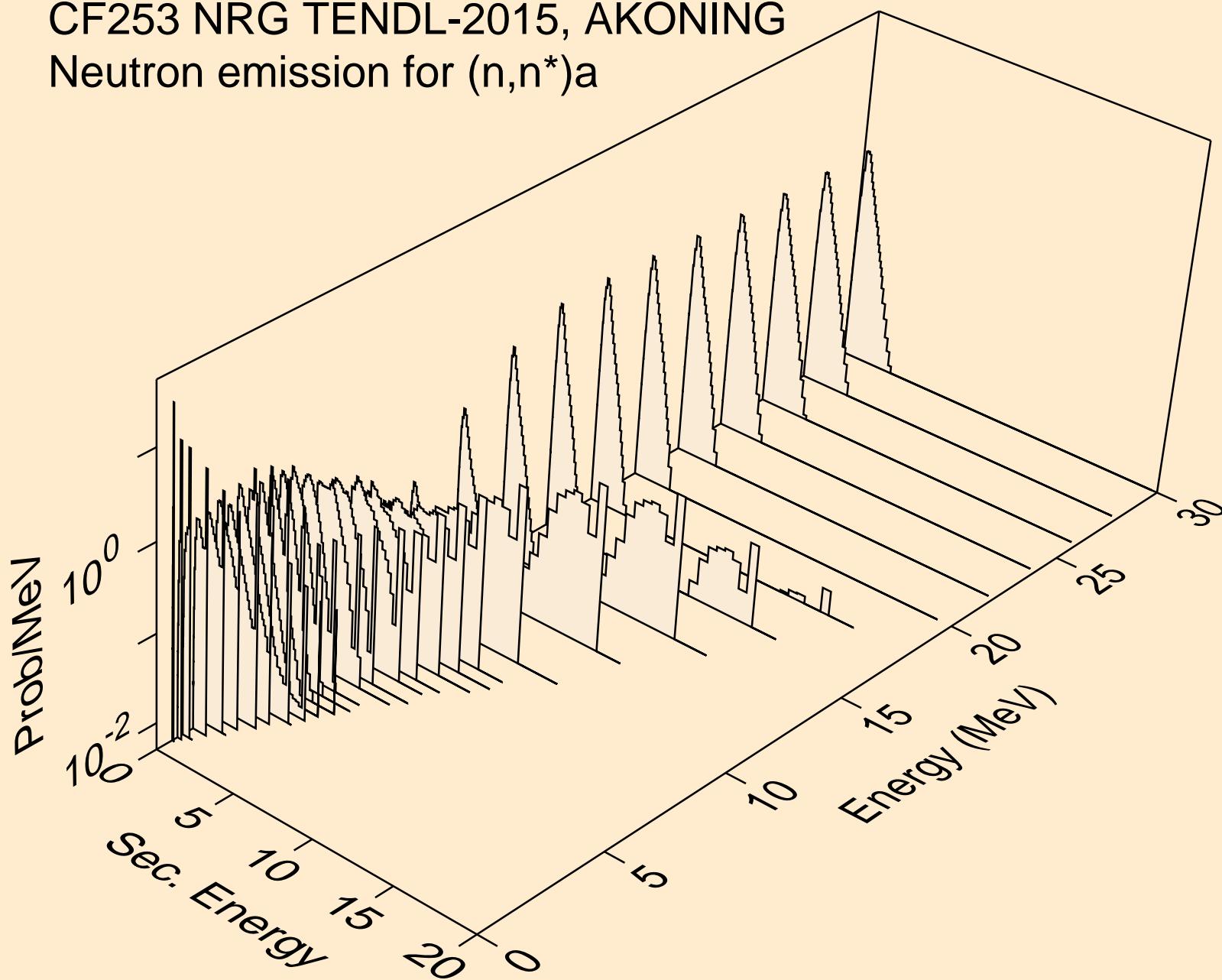
CF253 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



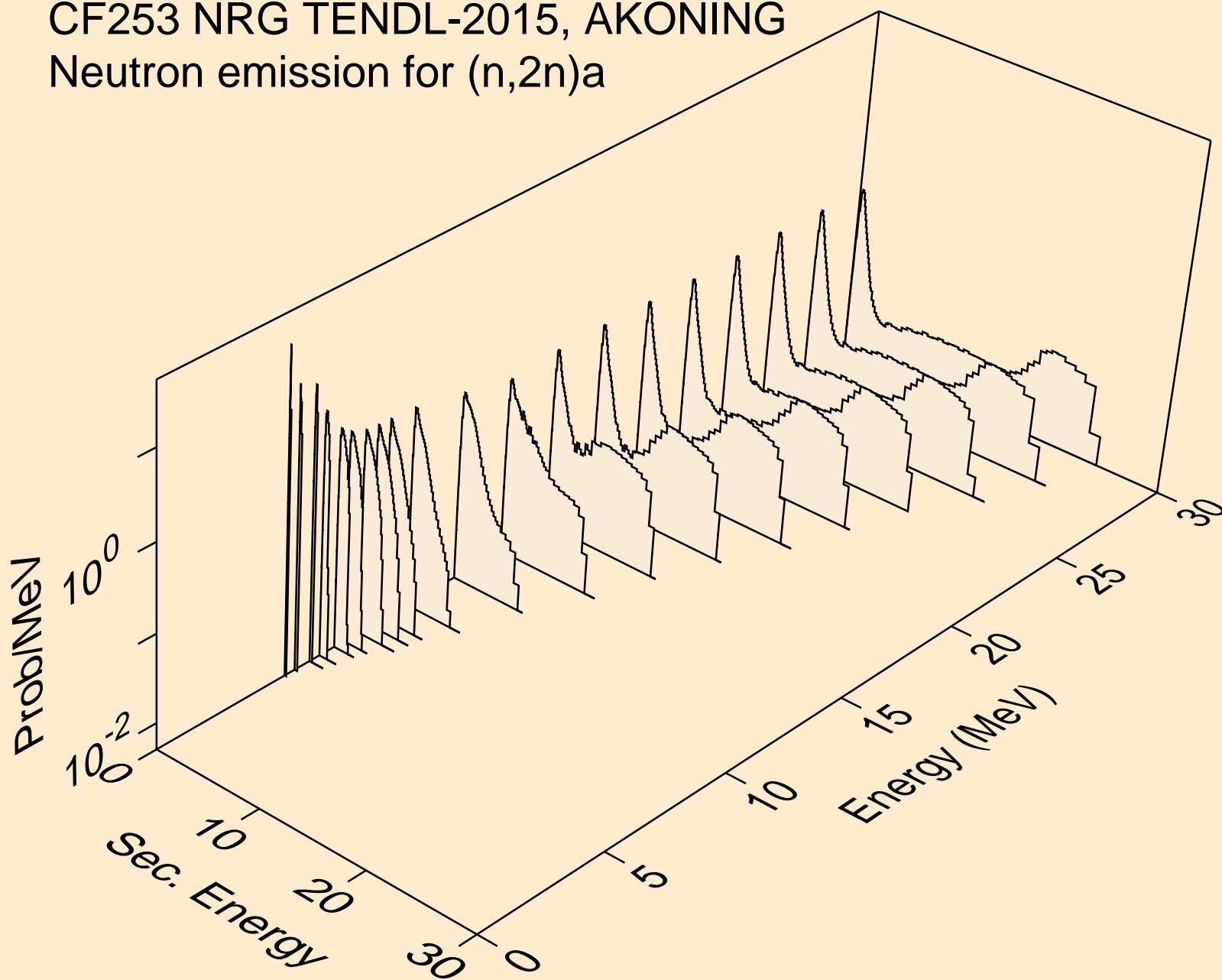
CF253 NRG TENDL-2015, AKONING  
Neutron emission for fission



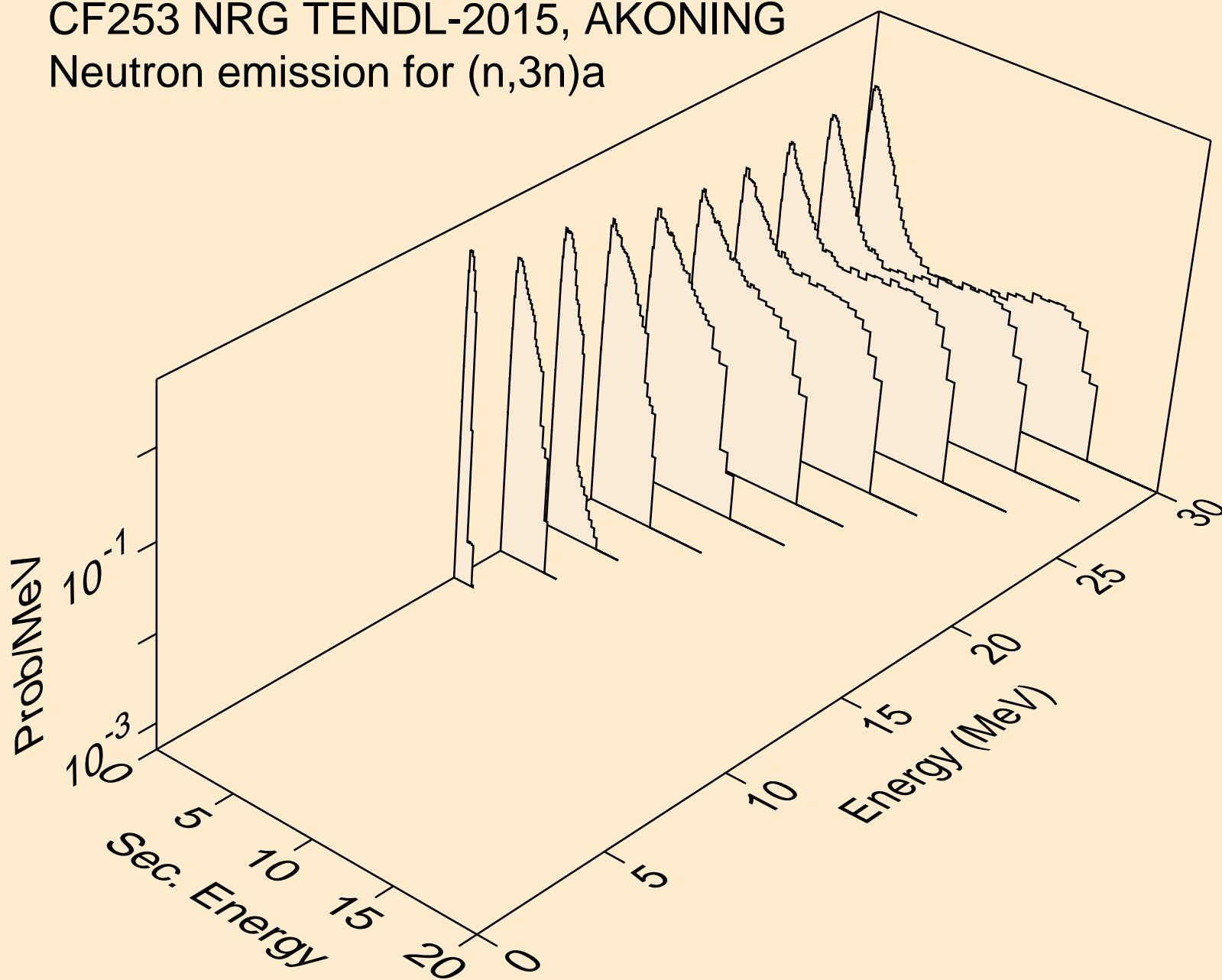
CF253 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)a$



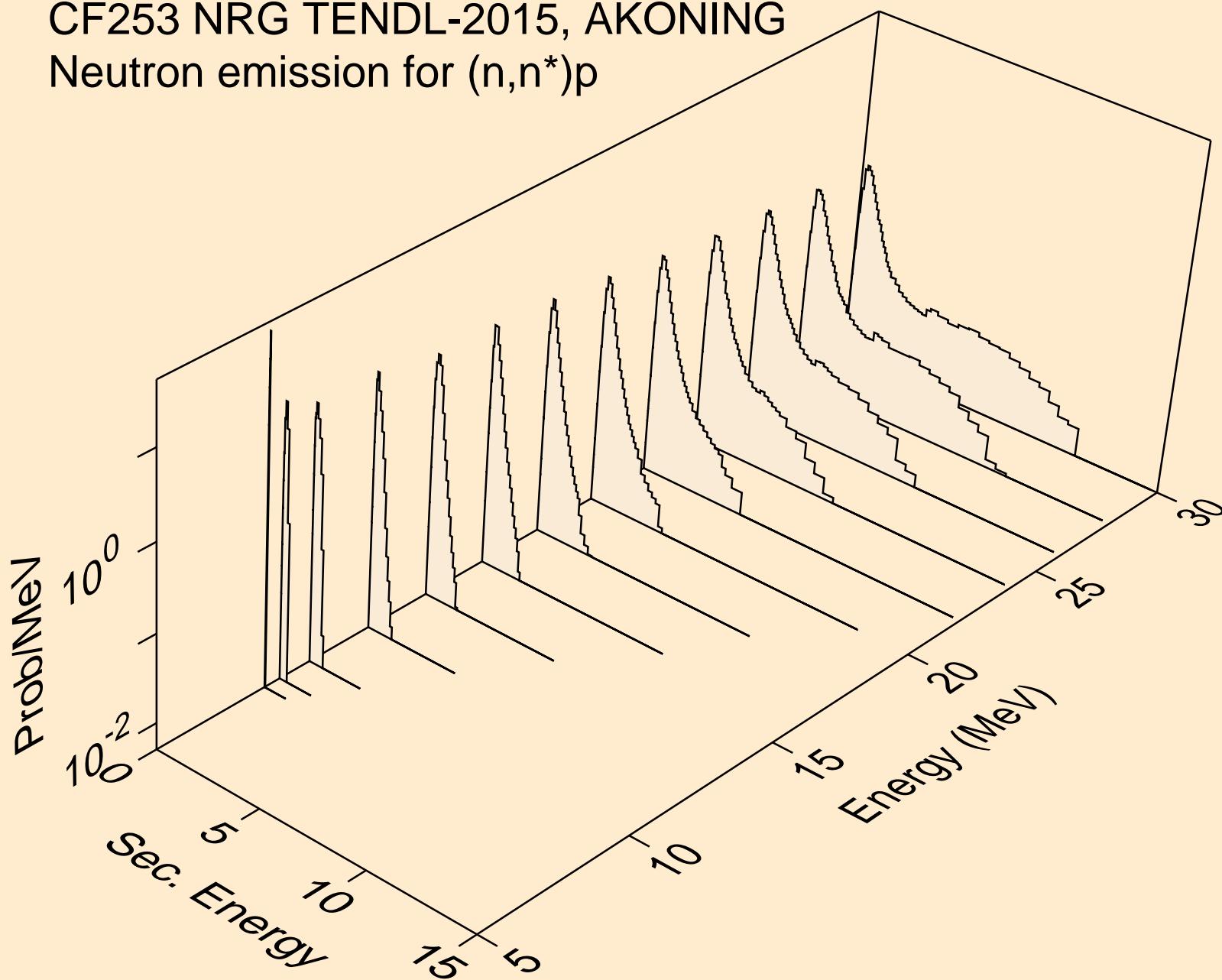
CF253 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,2n)a$



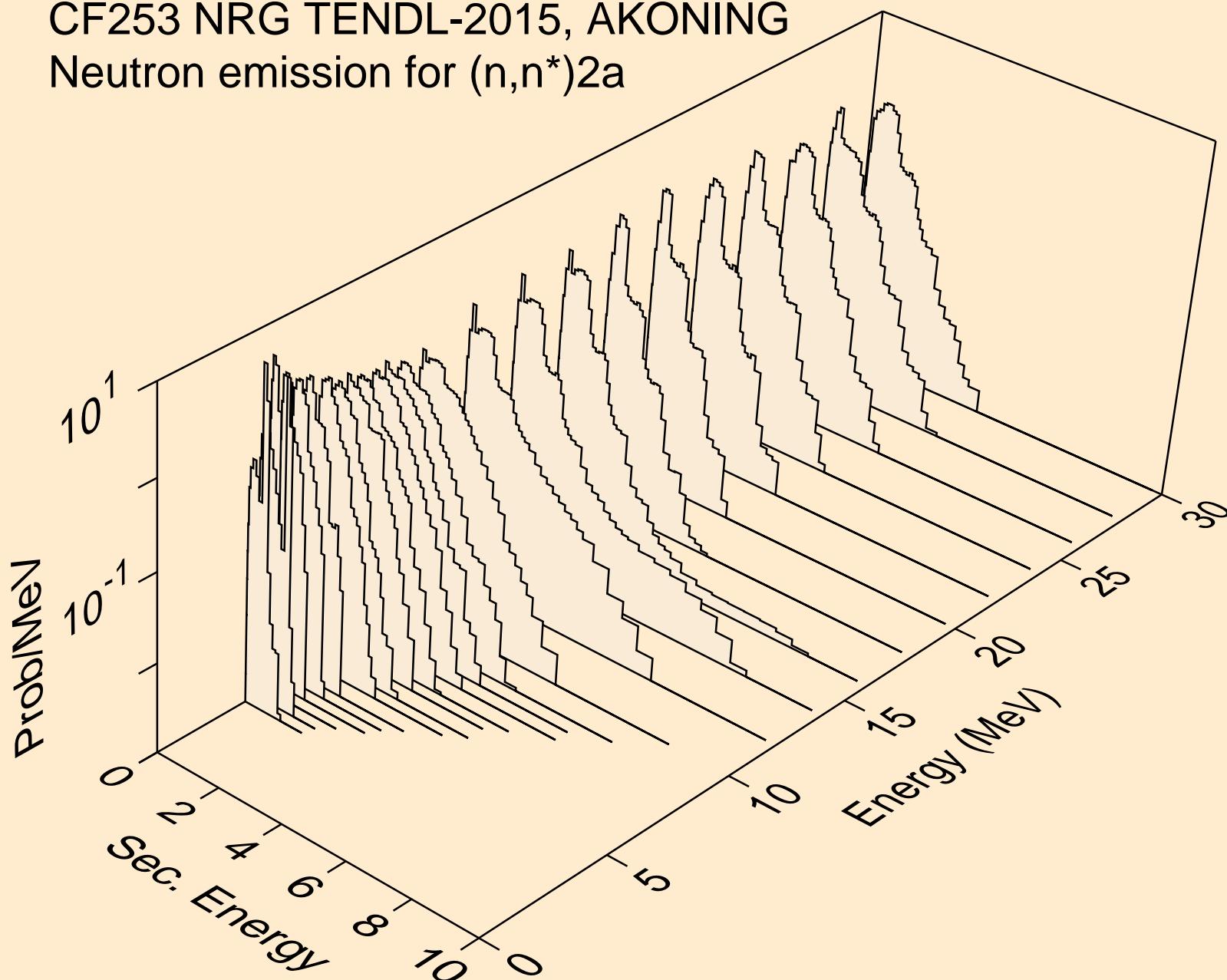
CF253 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



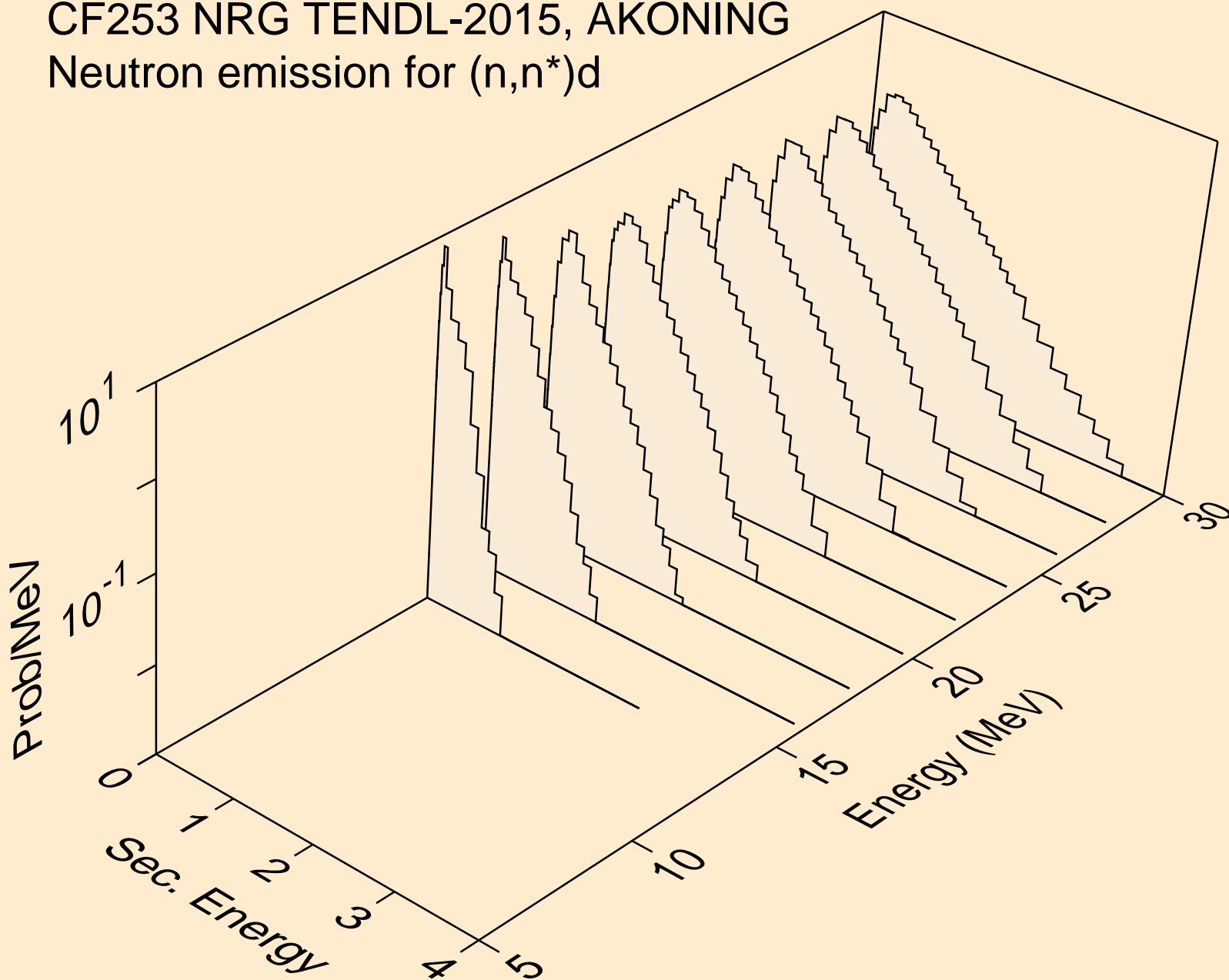
CF253 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)p$



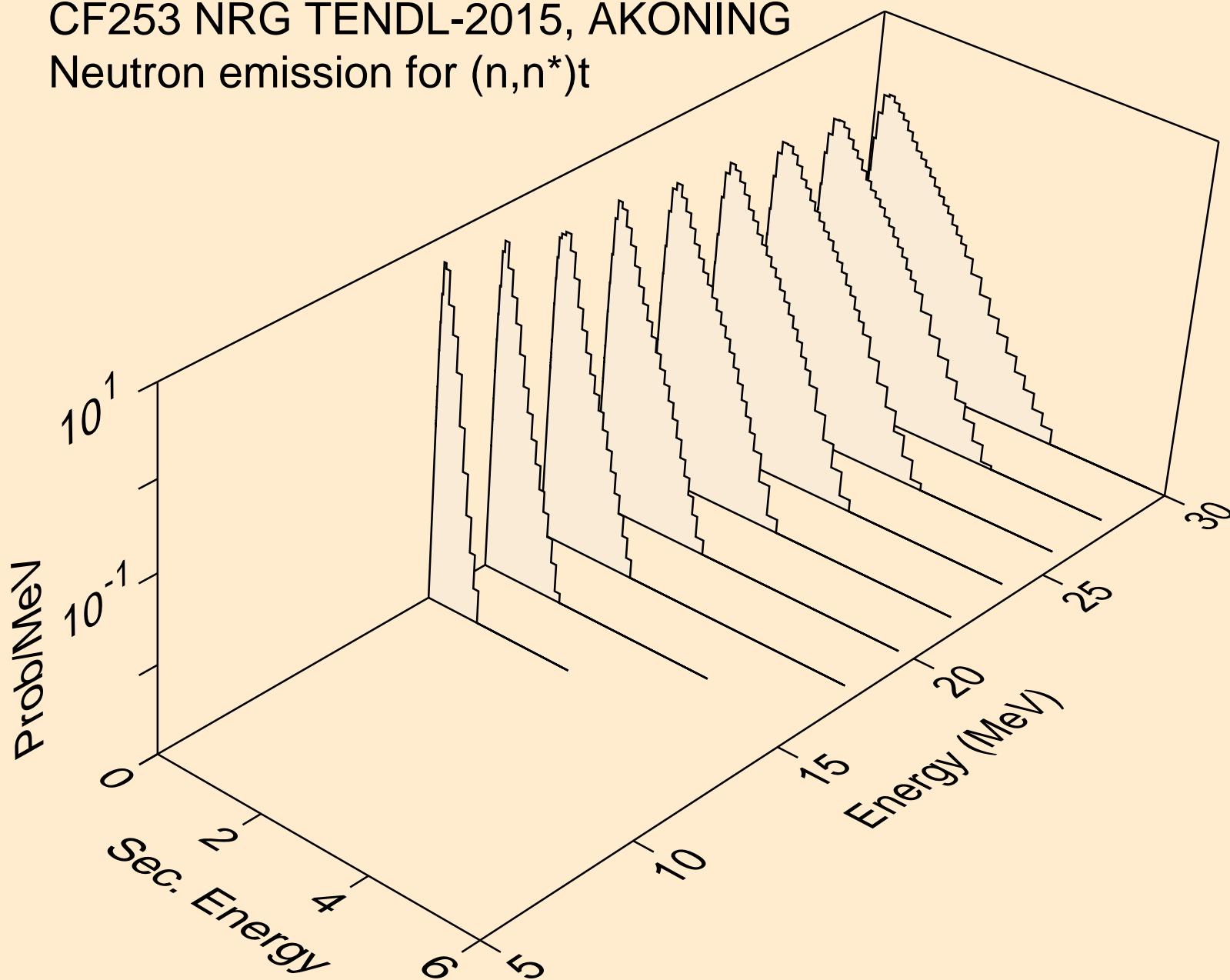
CF253 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)2a$



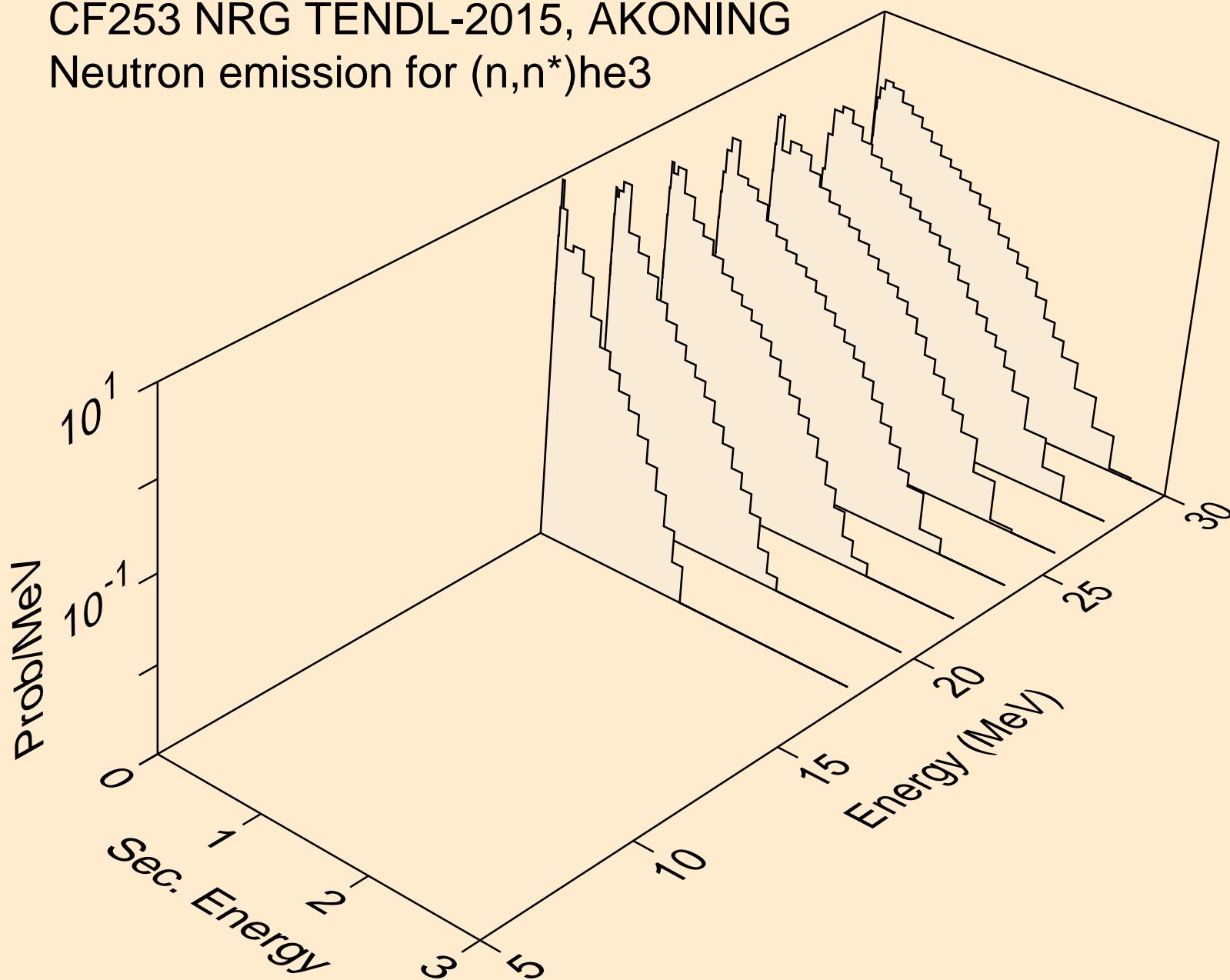
CF253 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)d$



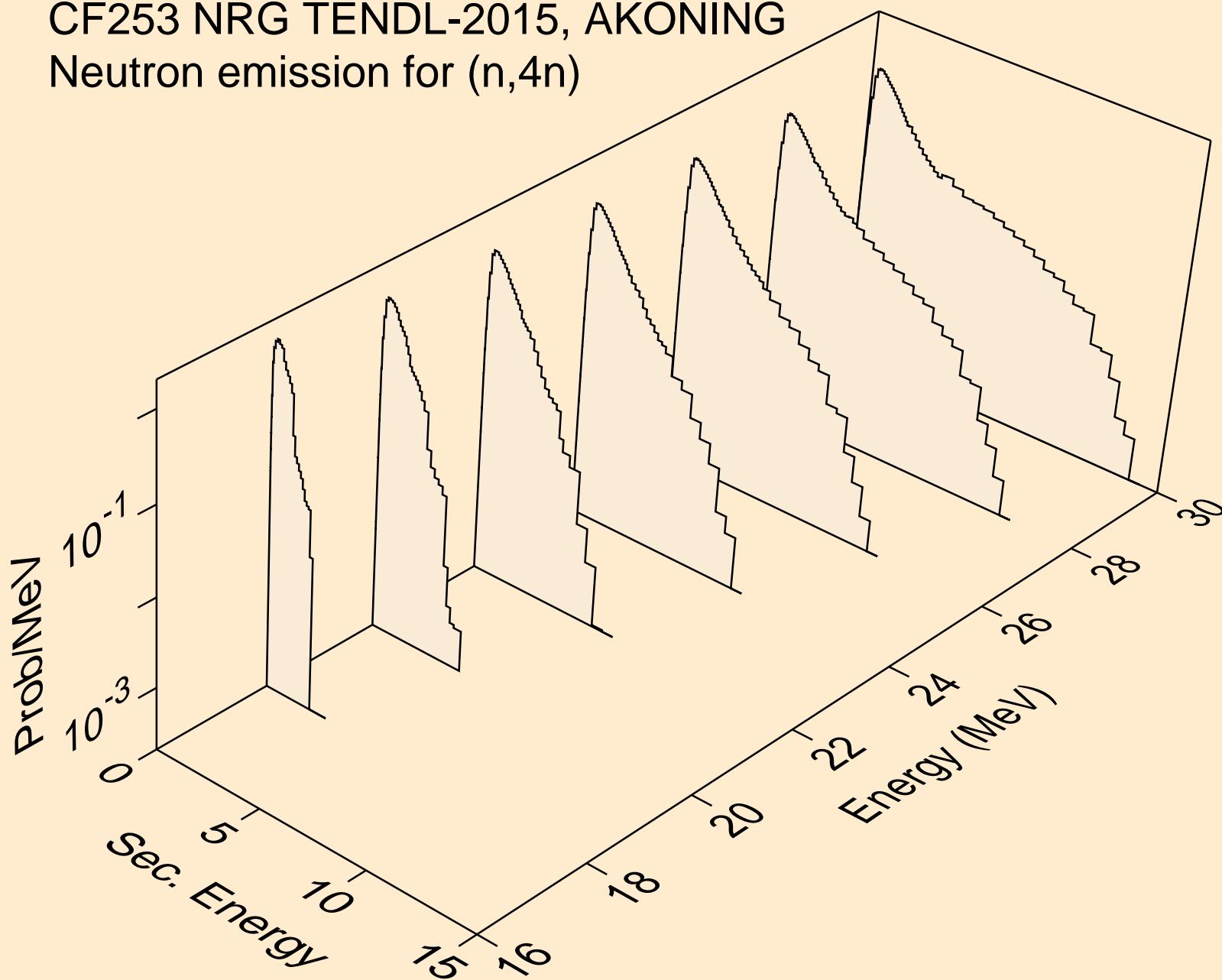
CF253 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)t$



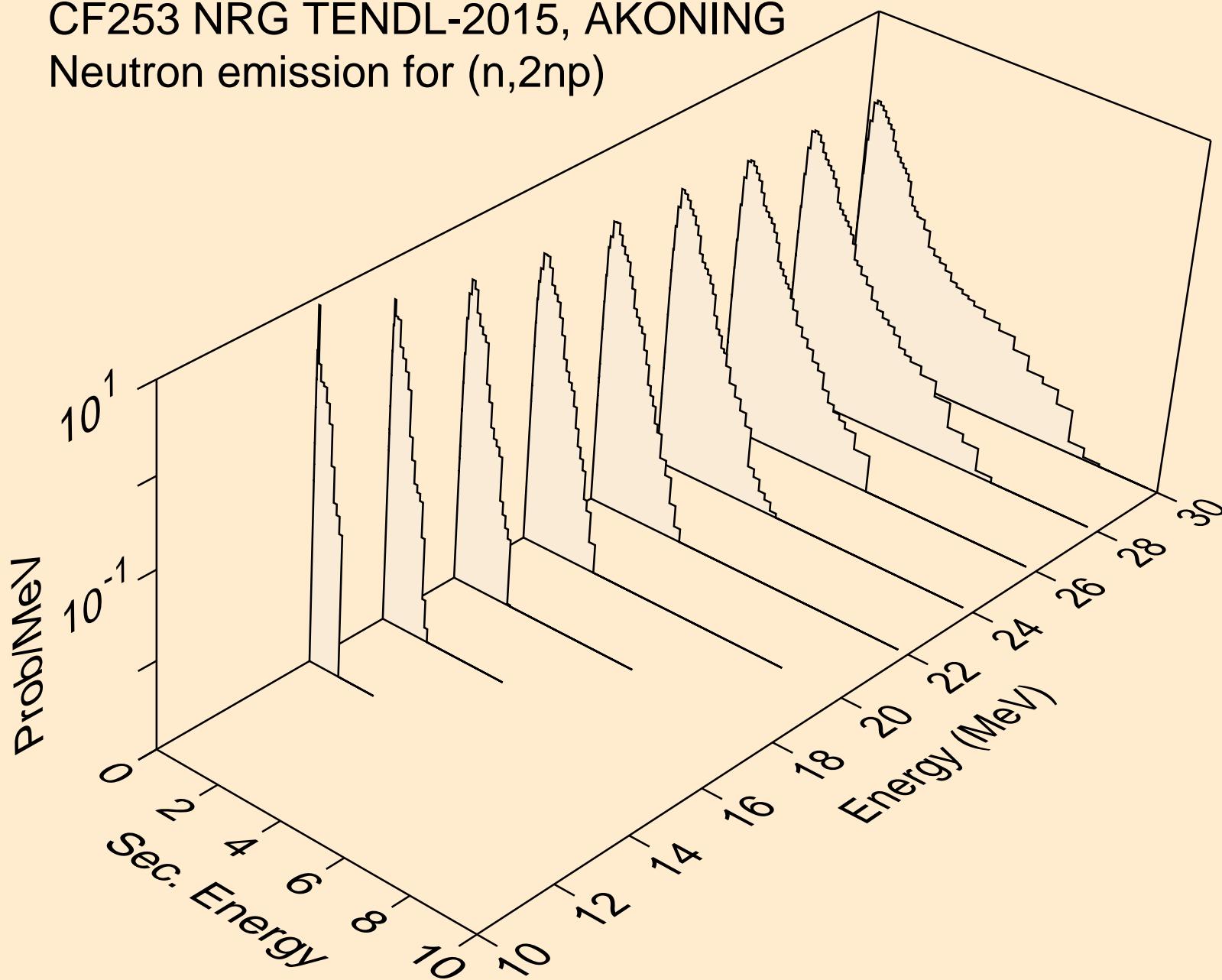
CF253 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)\text{he3}$



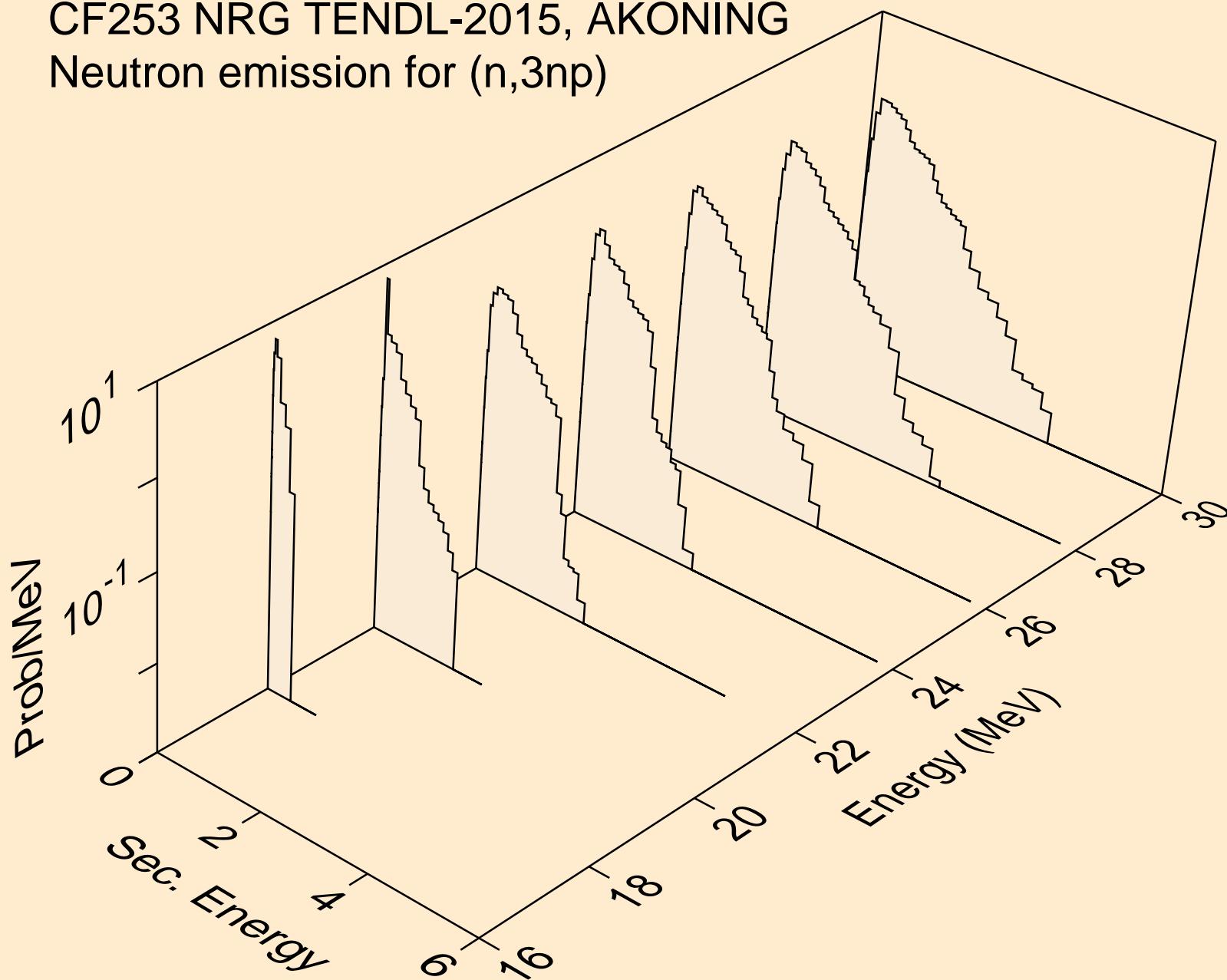
CF253 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



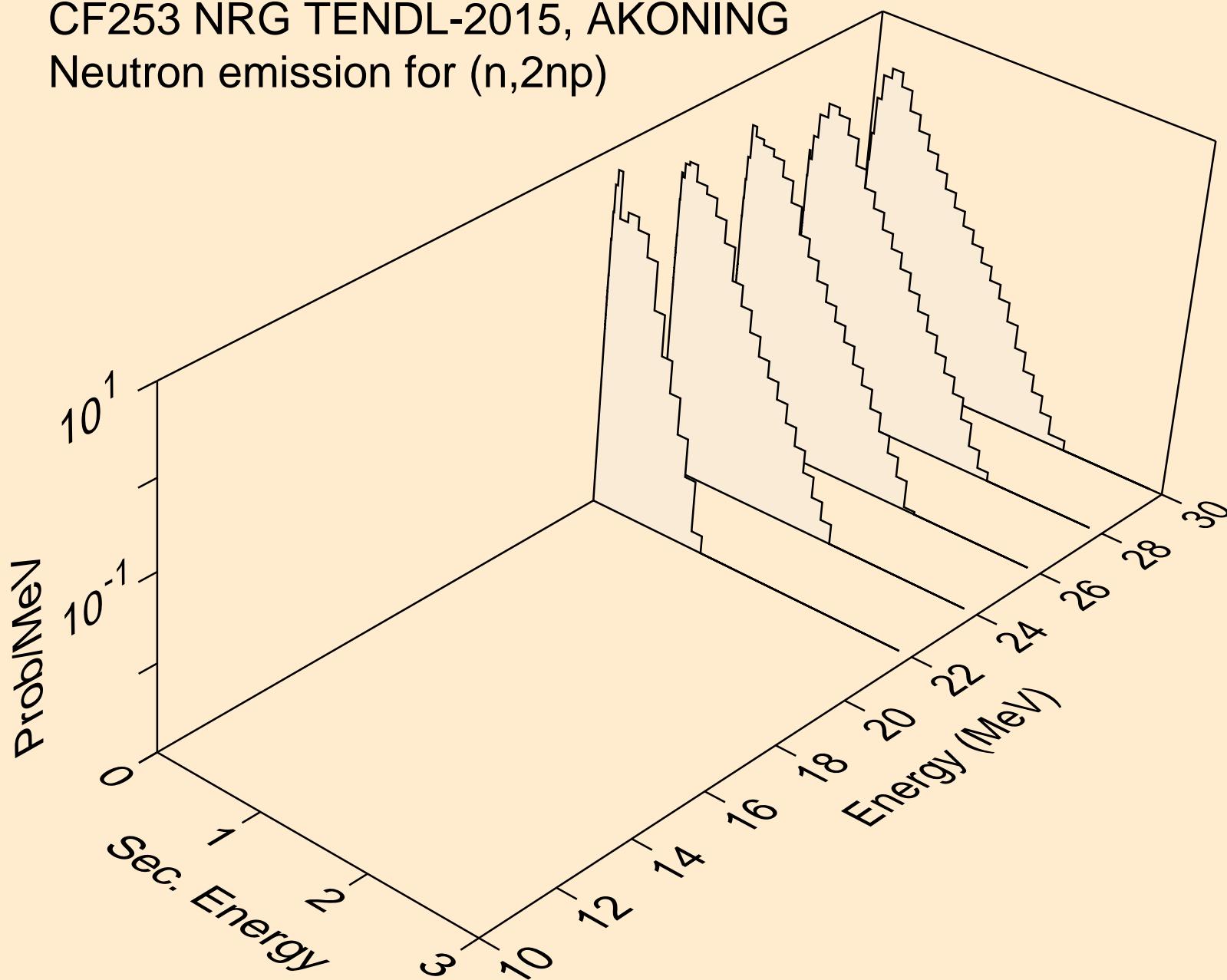
CF253 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



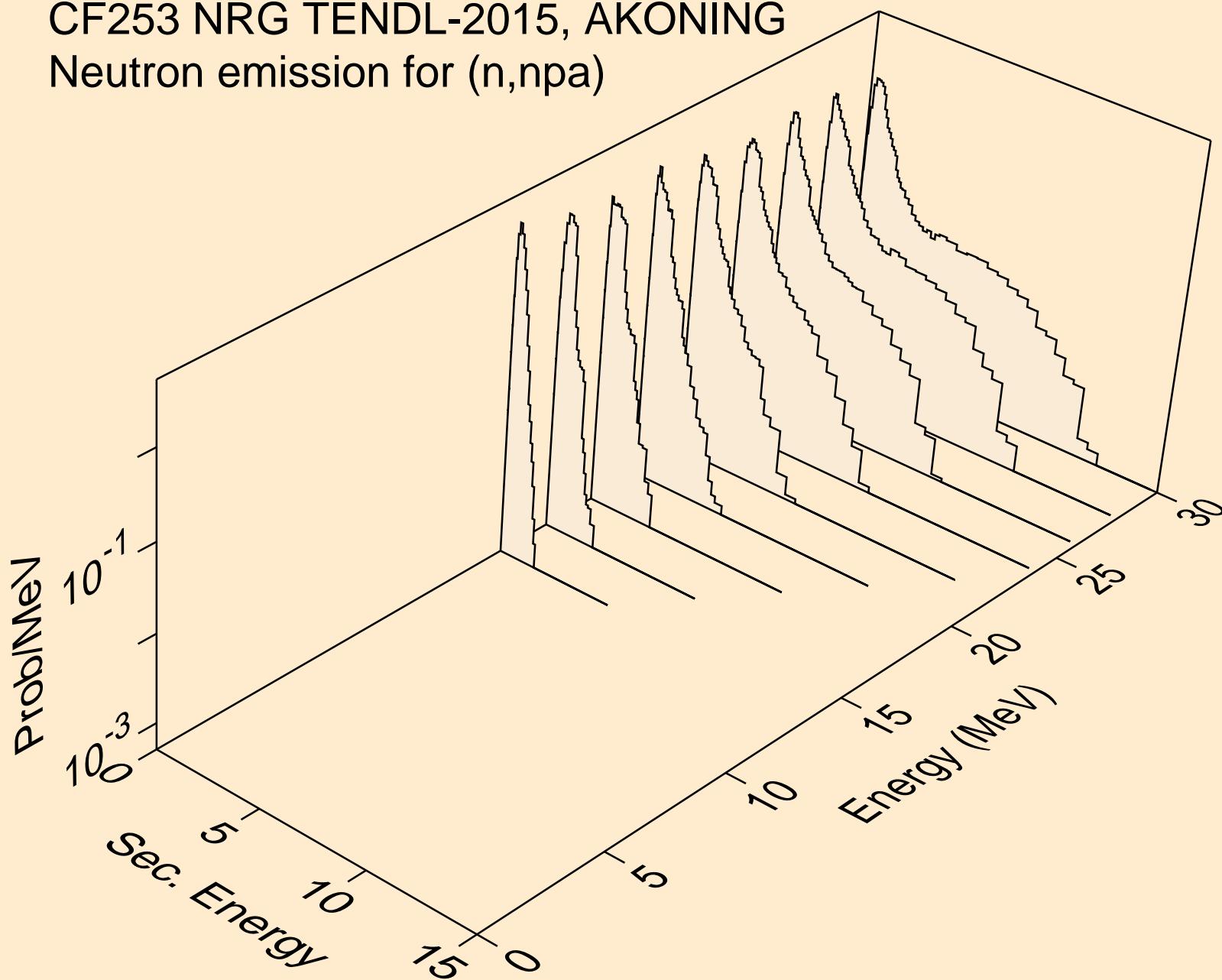
CF253 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



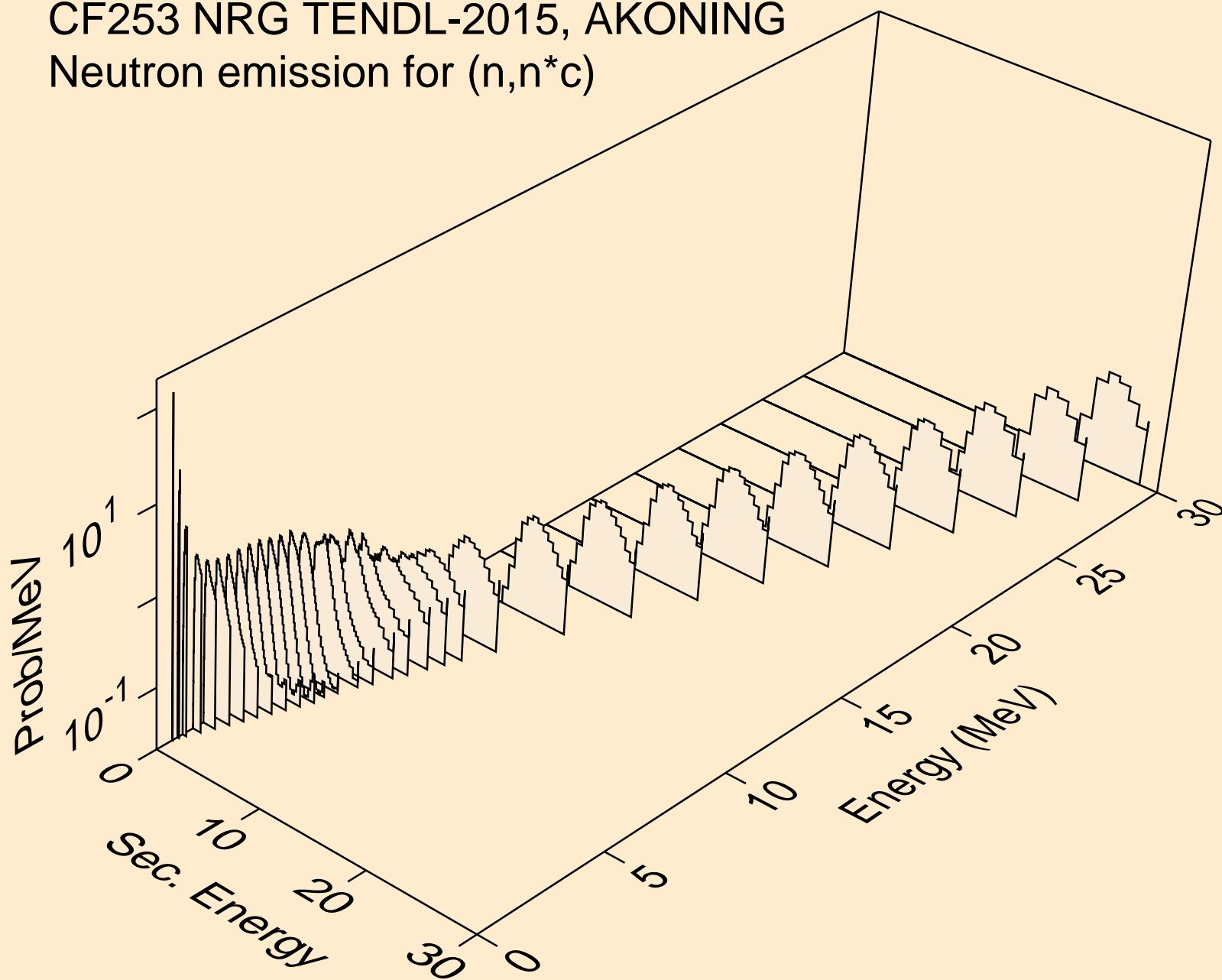
CF253 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



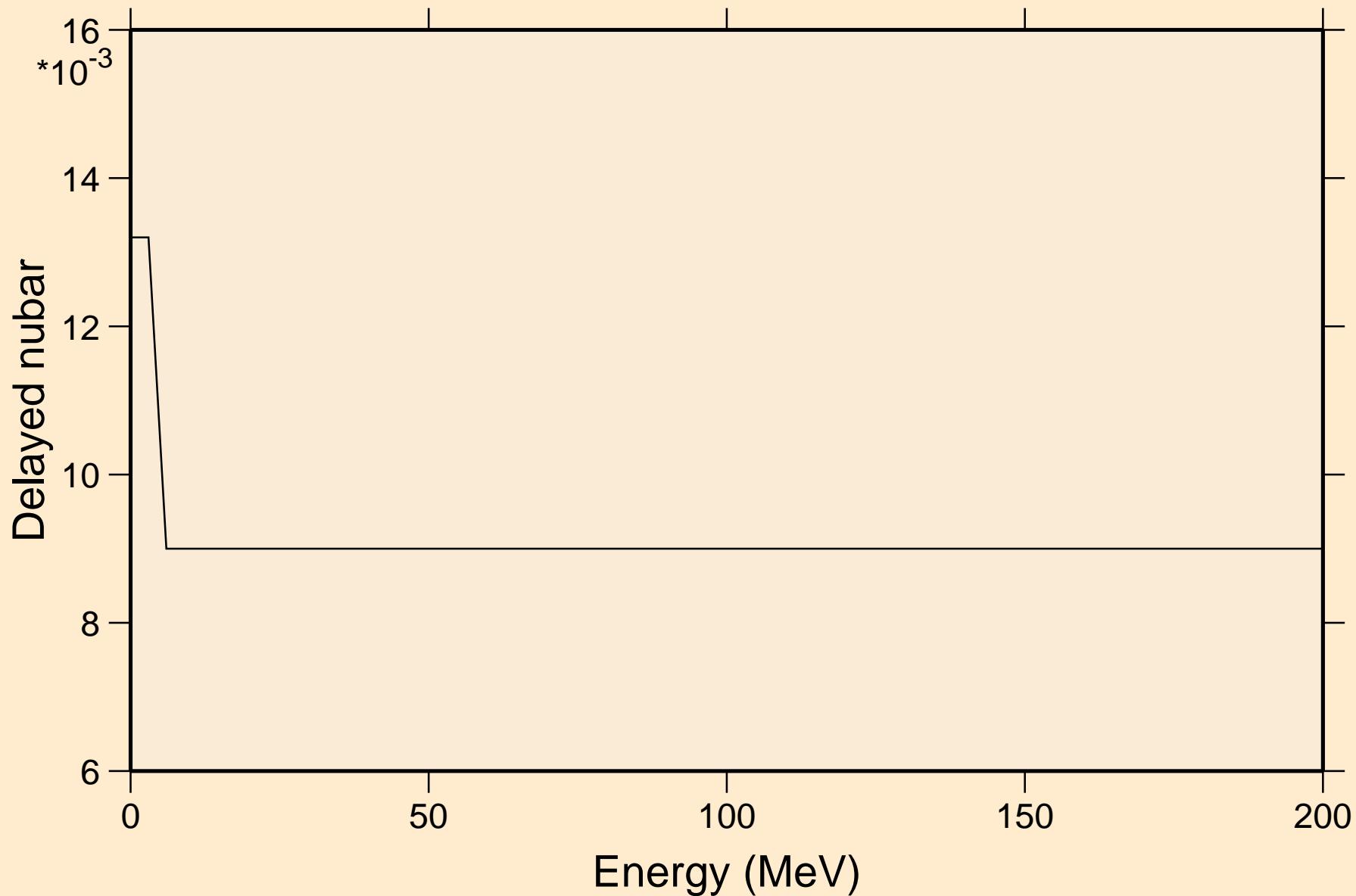
CF253 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



CF253 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)

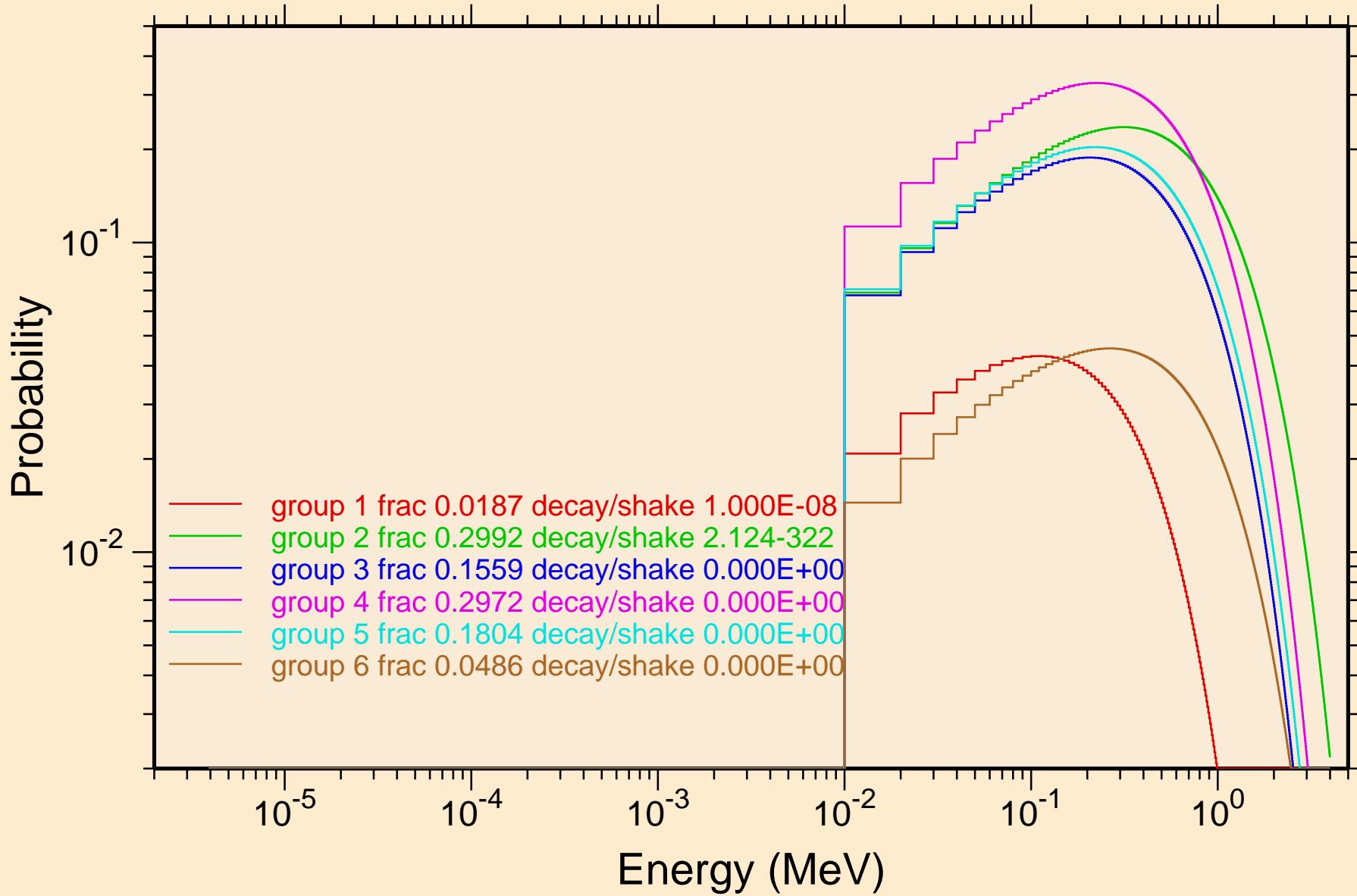


CF253 NRG TENDL-2015, AKONING  
Delayed nubar

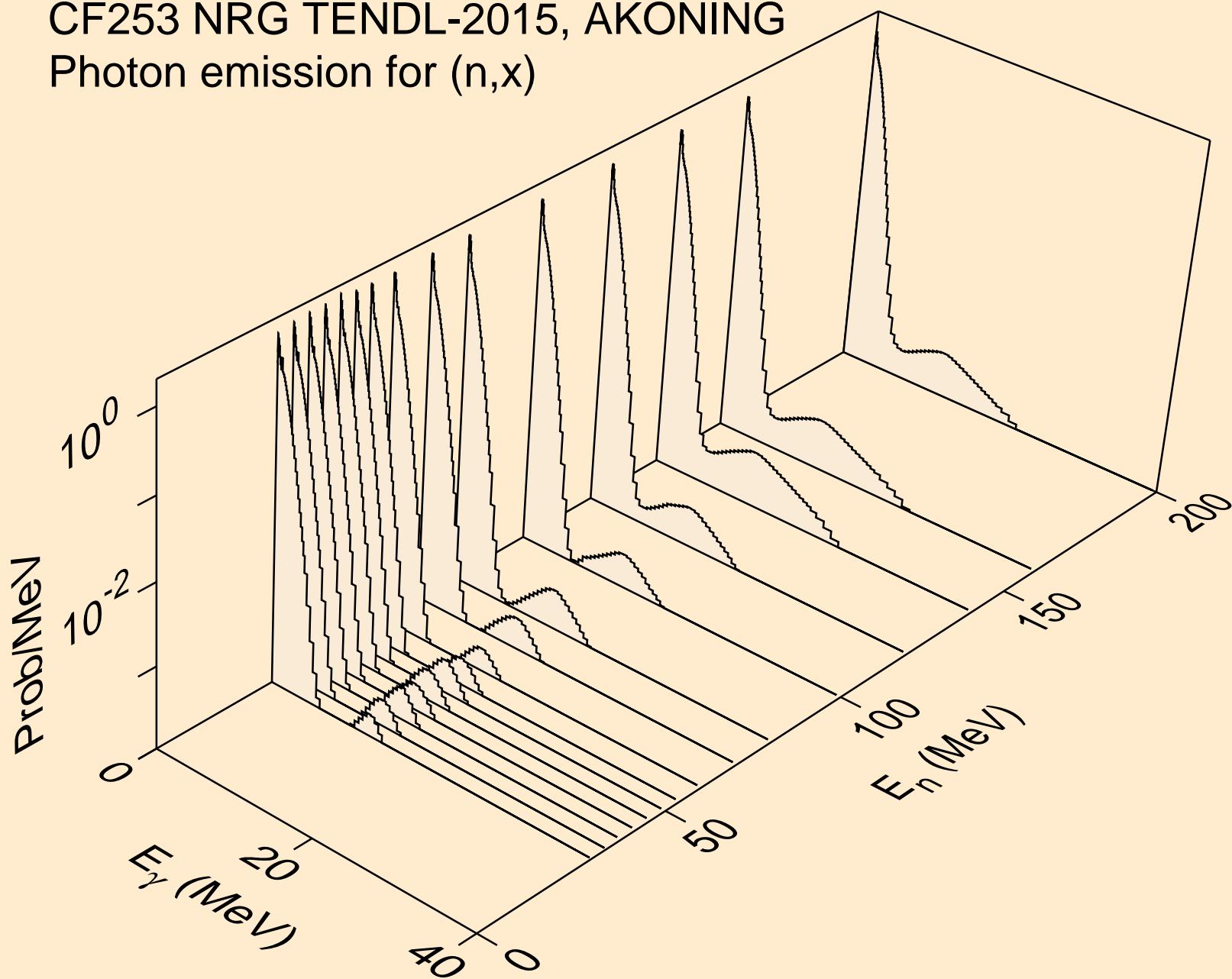


# CF253 NRG TENDL-2015, AKONING

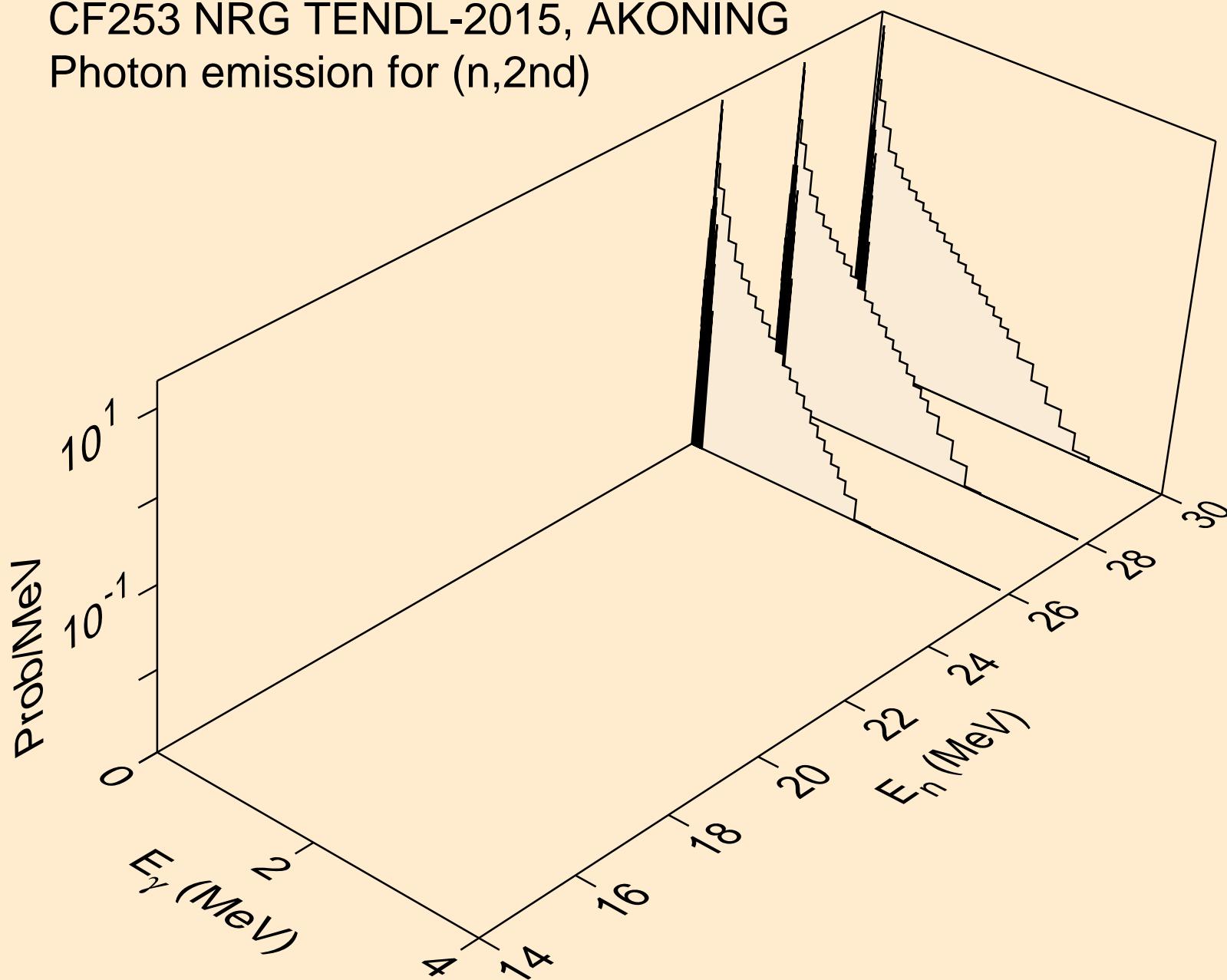
## Delayed neutron spectra



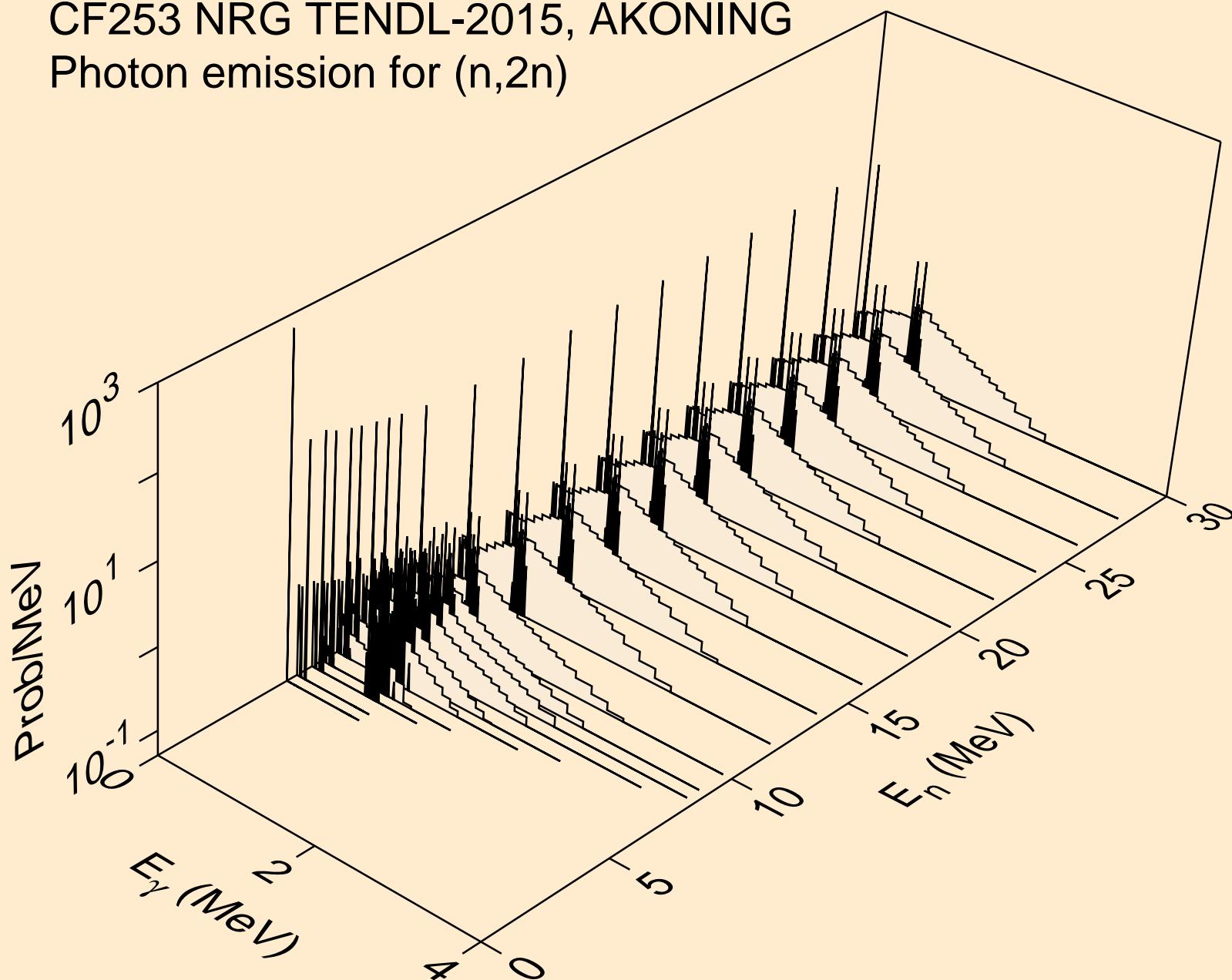
CF253 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



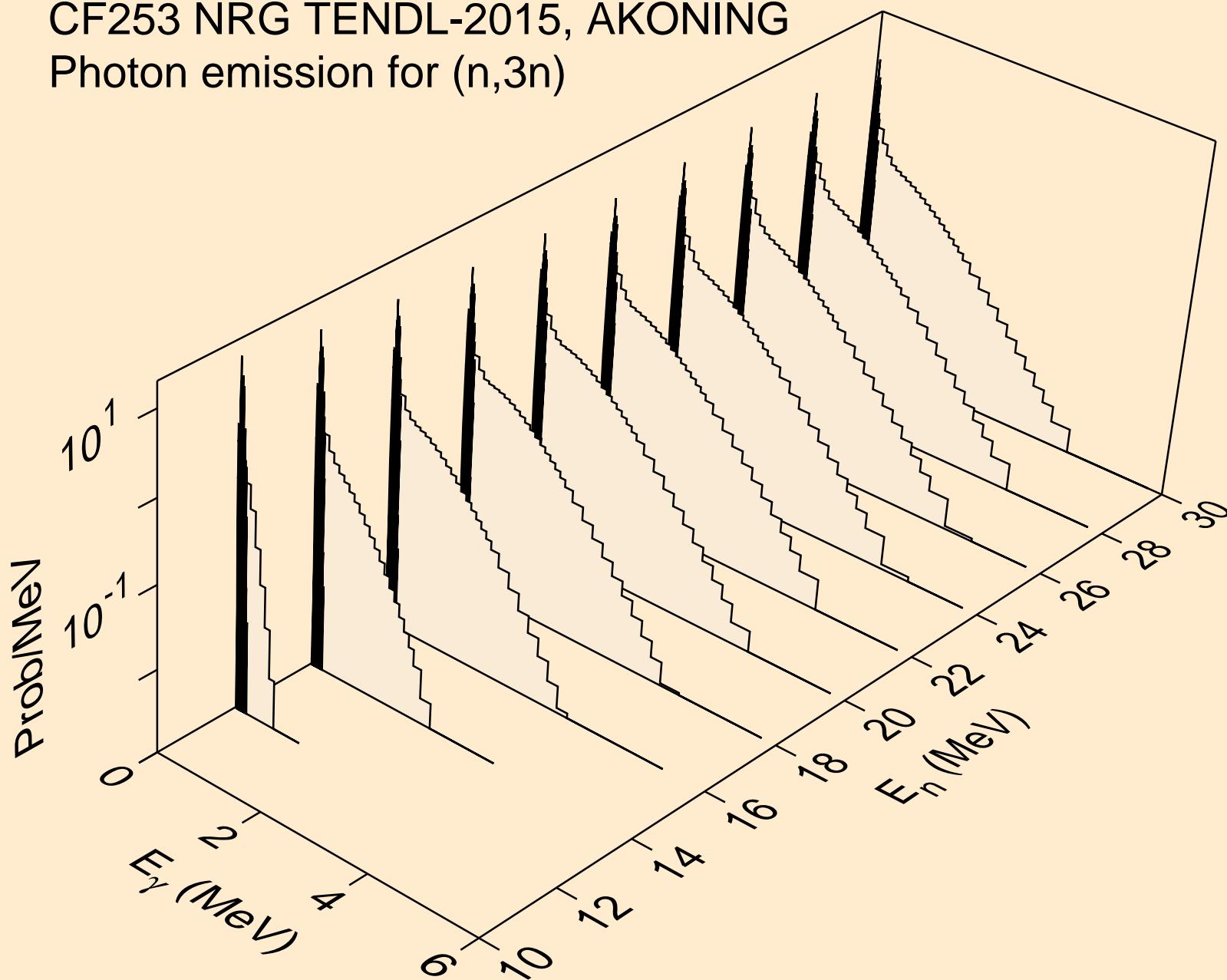
CF253 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



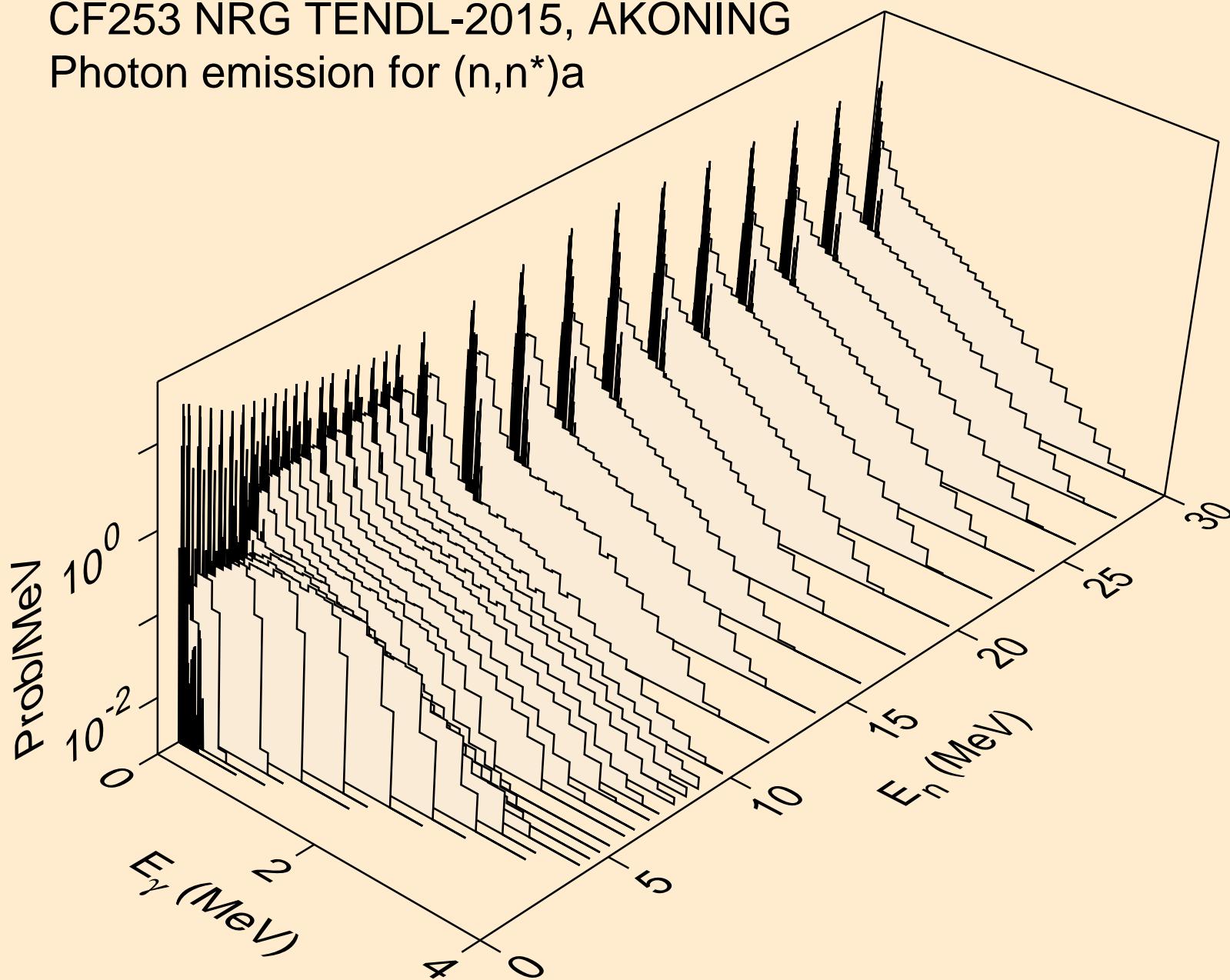
CF253 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



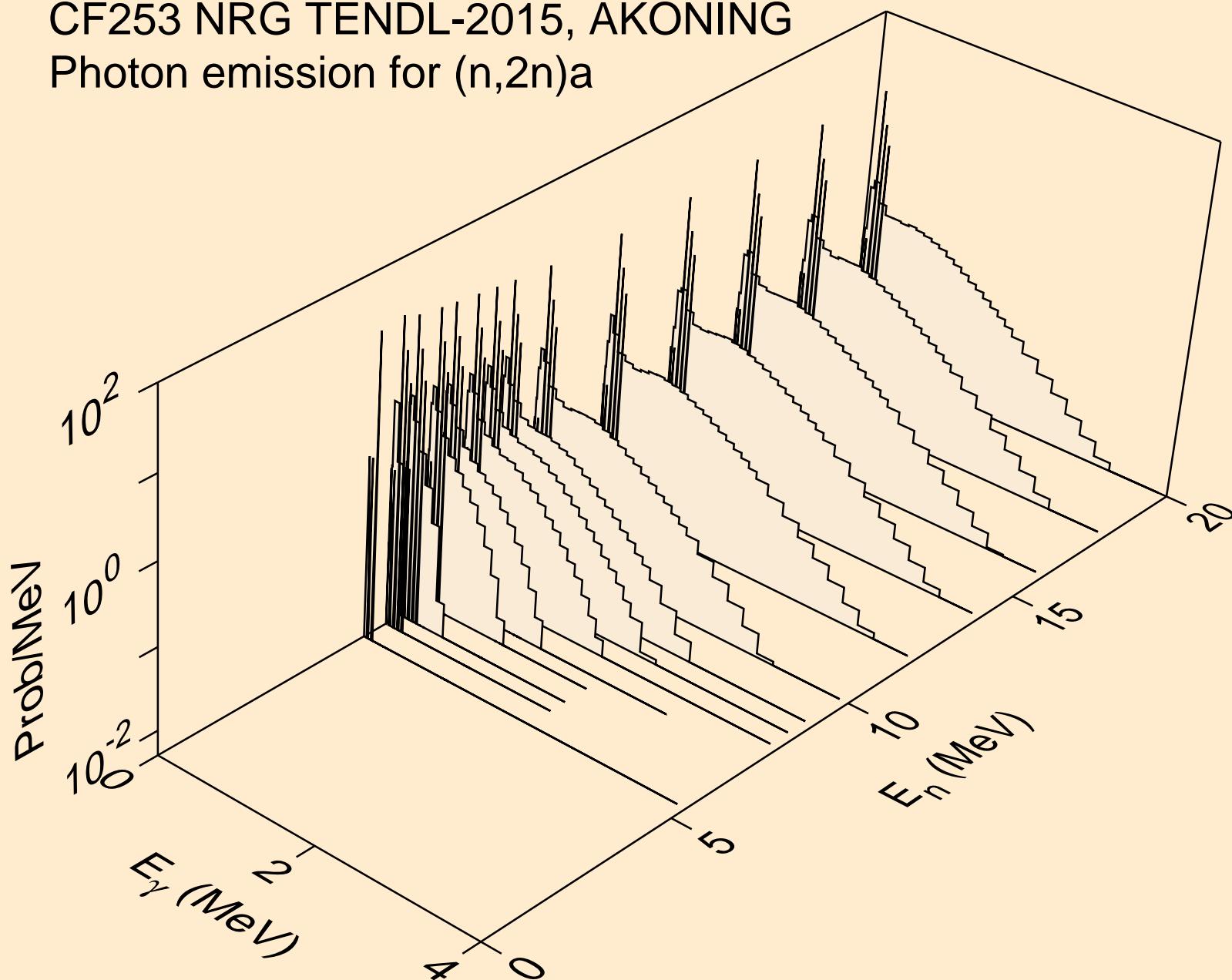
CF253 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



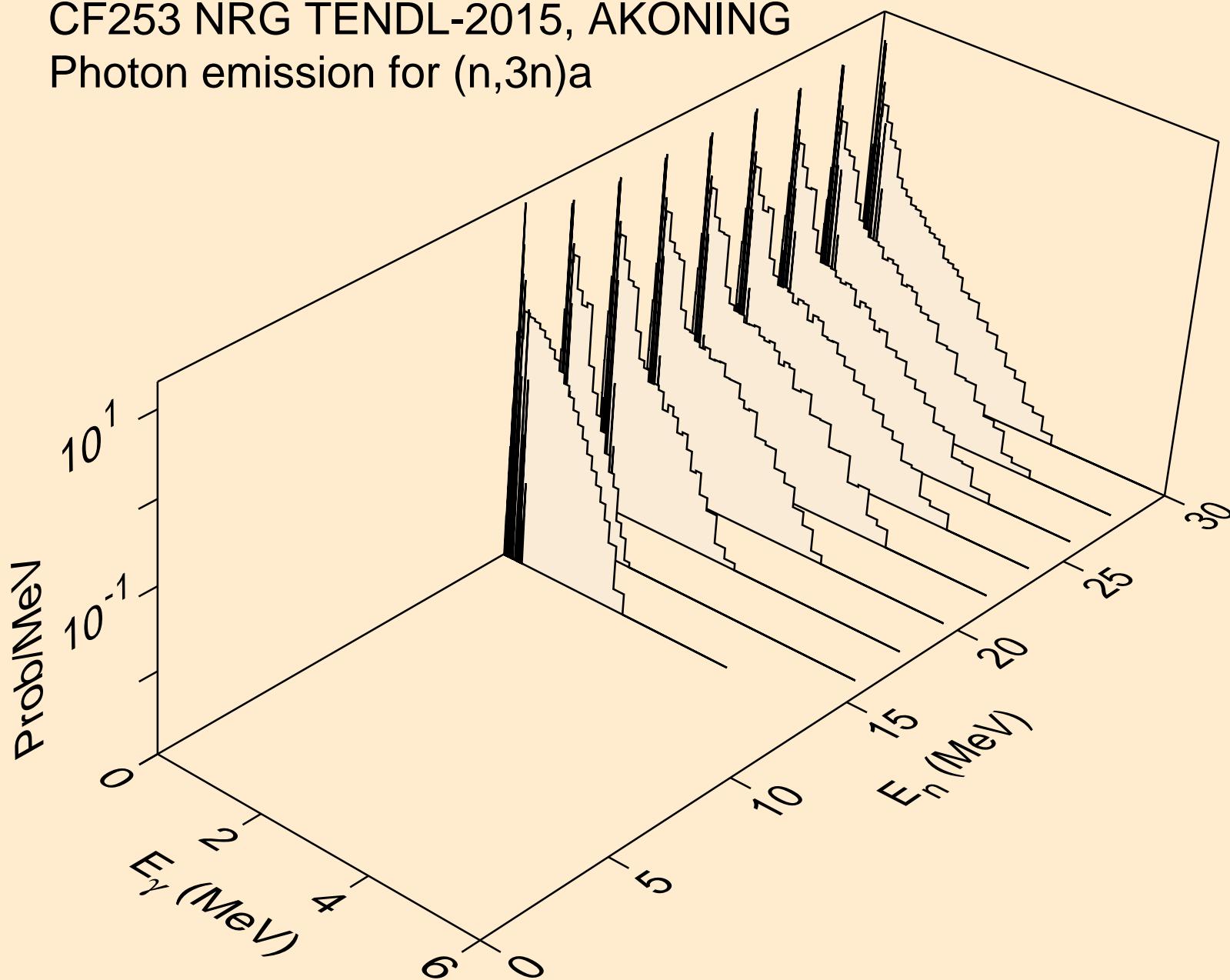
CF253 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)a$



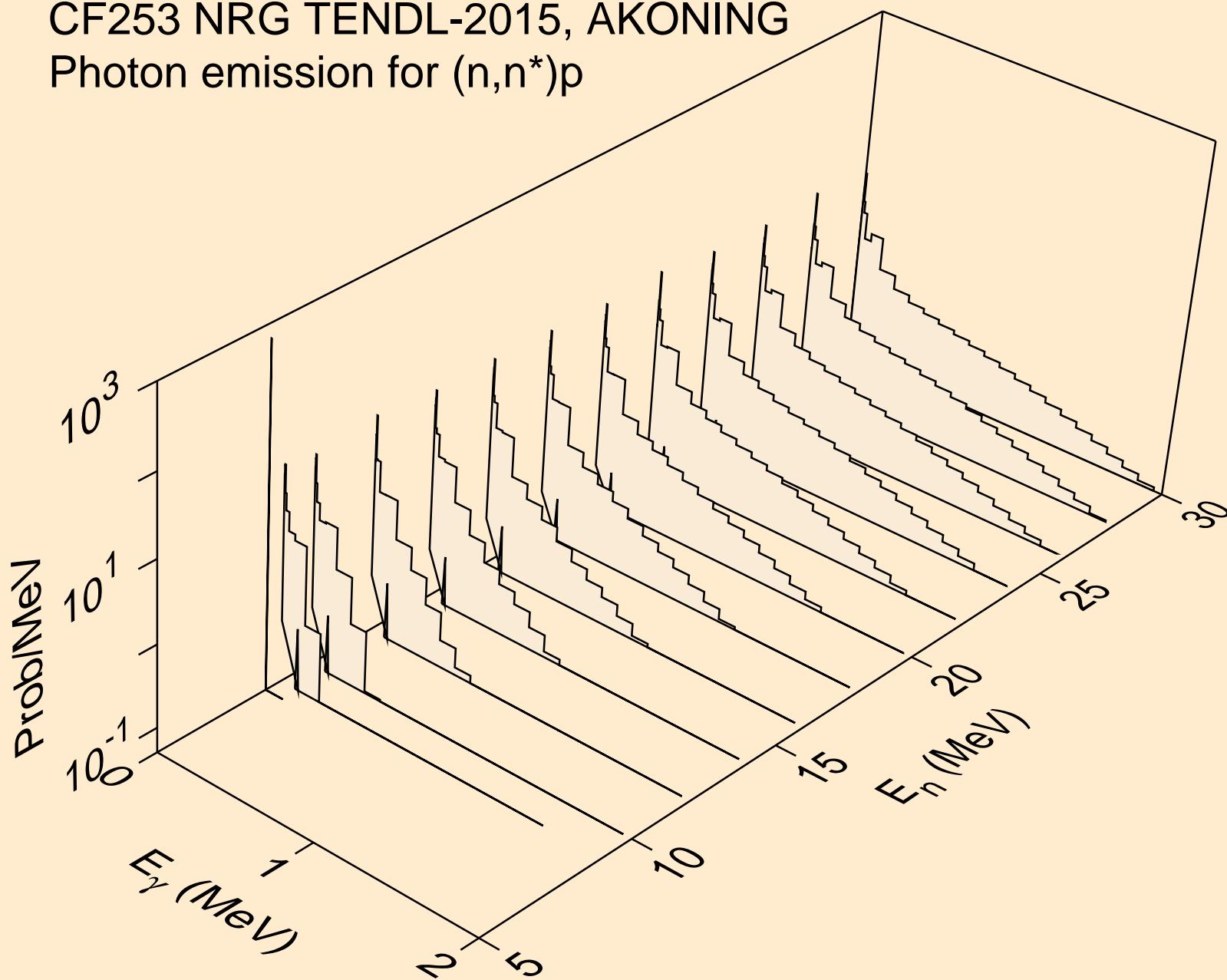
CF253 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



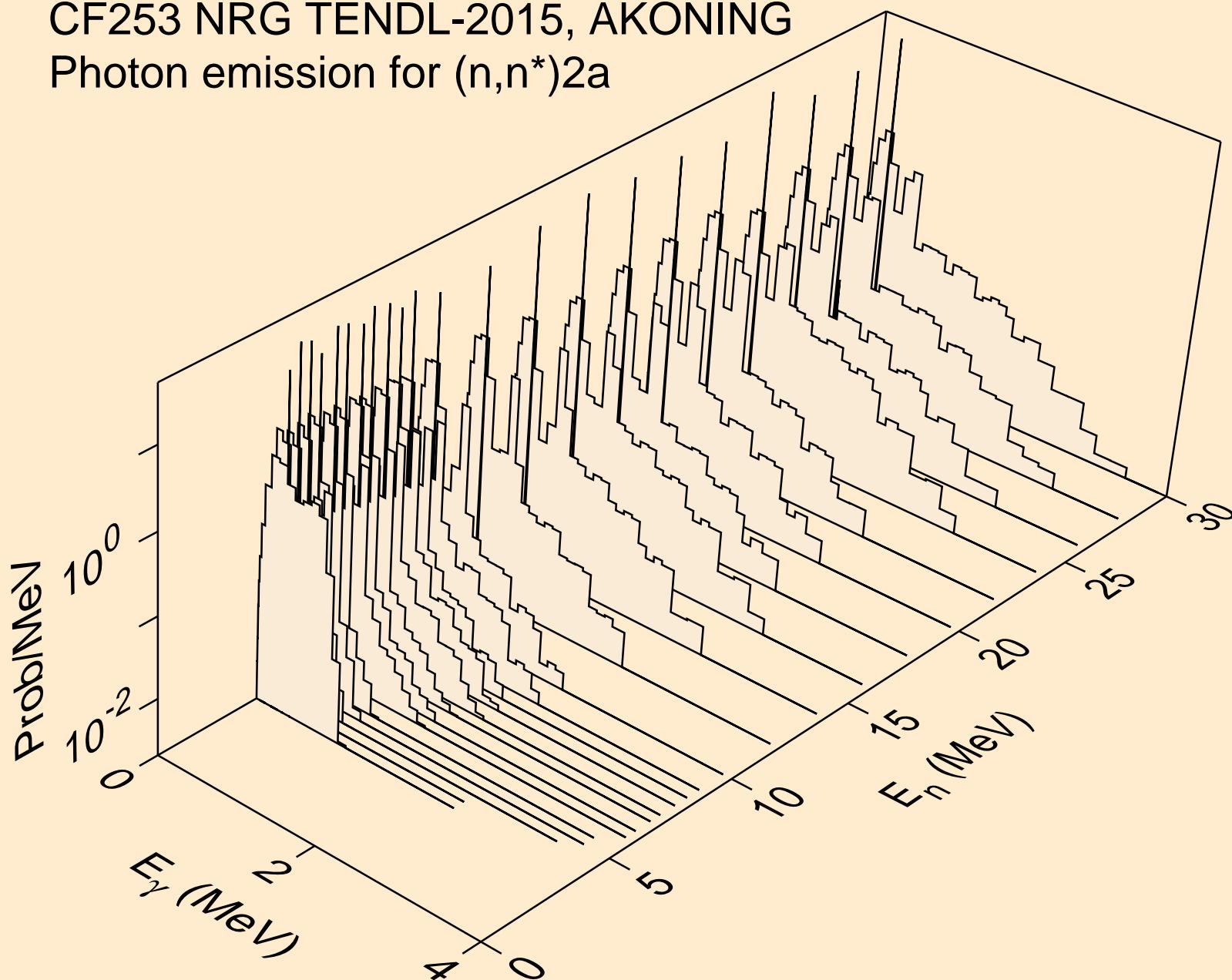
CF253 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



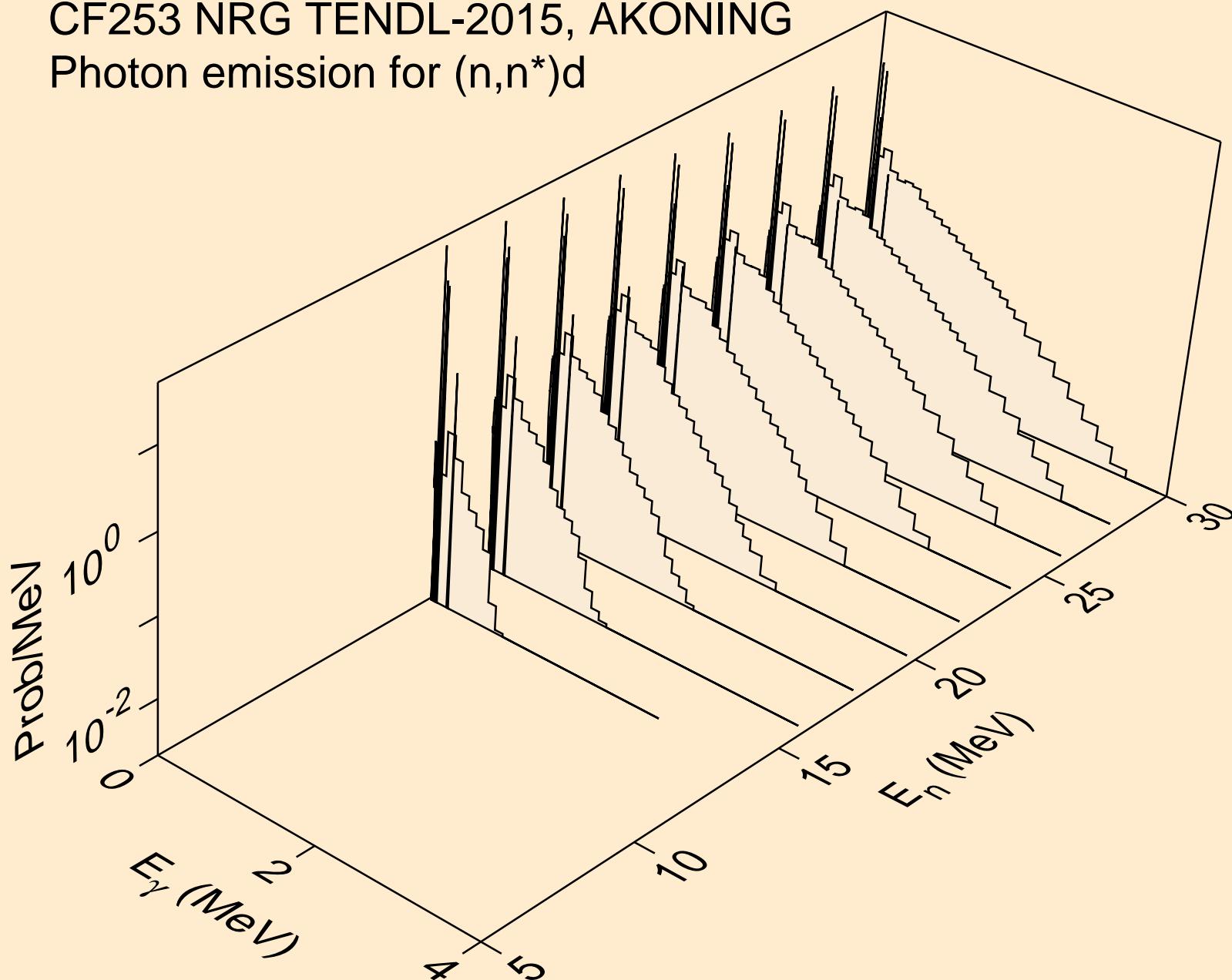
CF253 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)p$



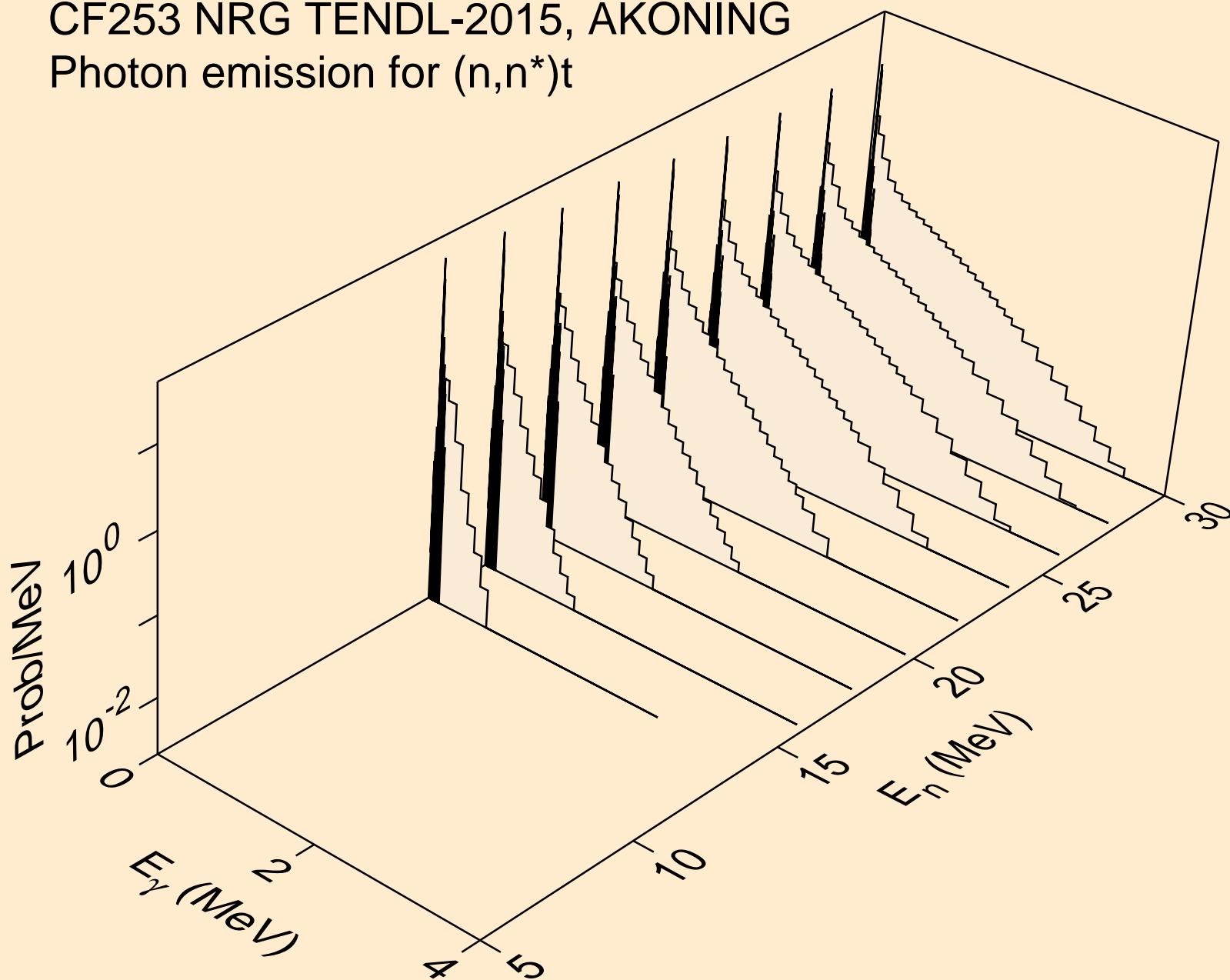
CF253 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)2a$



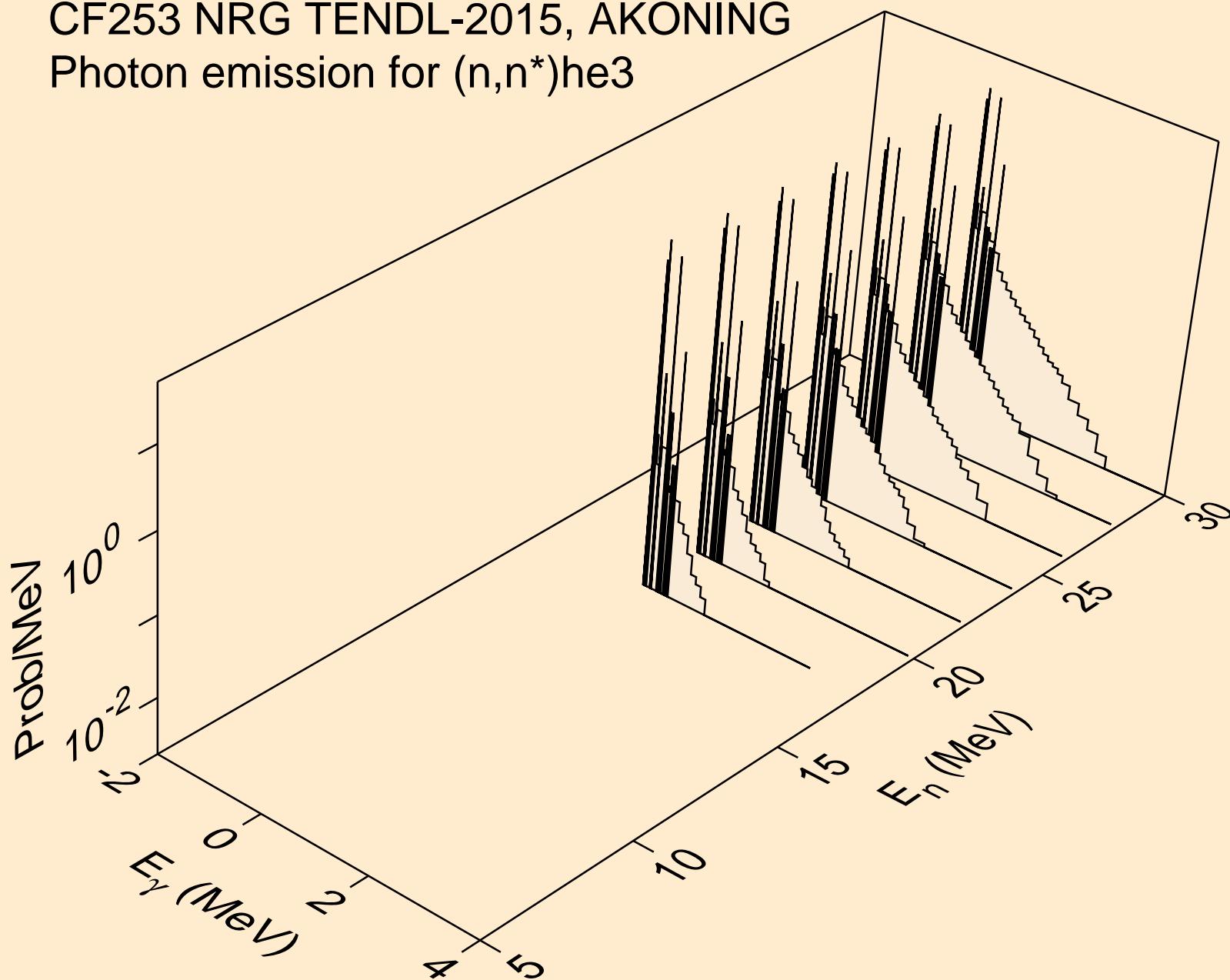
CF253 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)d$



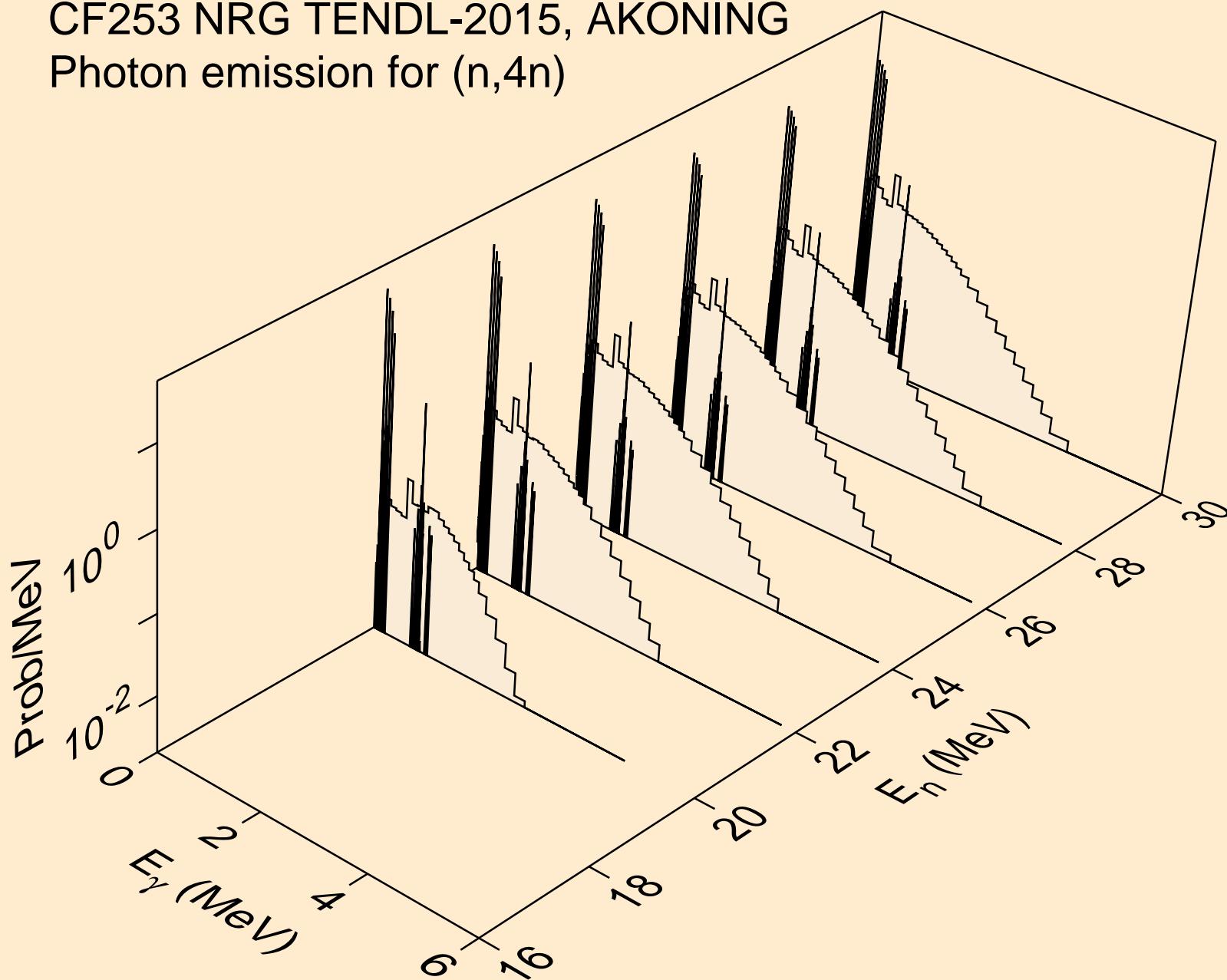
CF253 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)t$



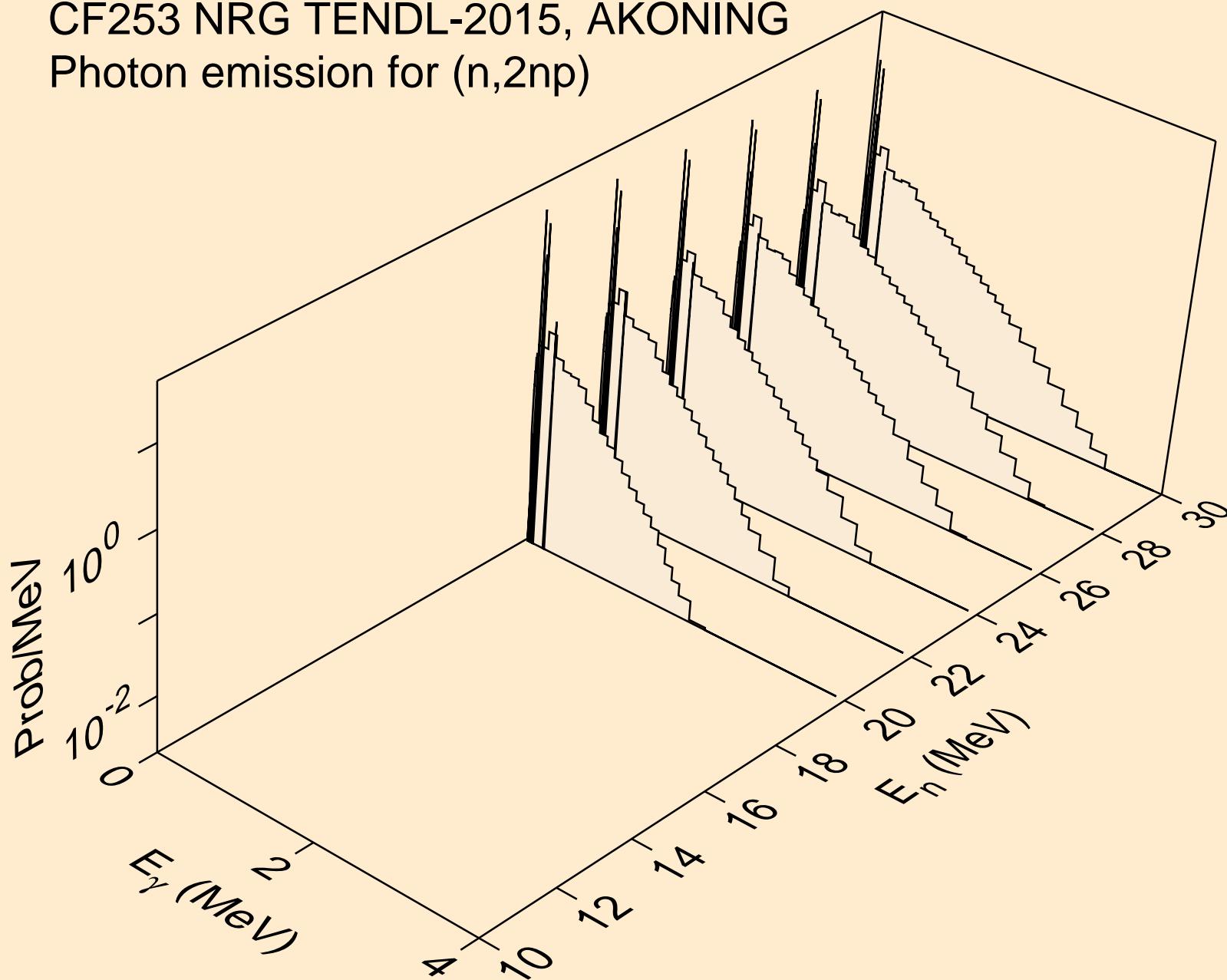
CF253 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)\text{he3}$



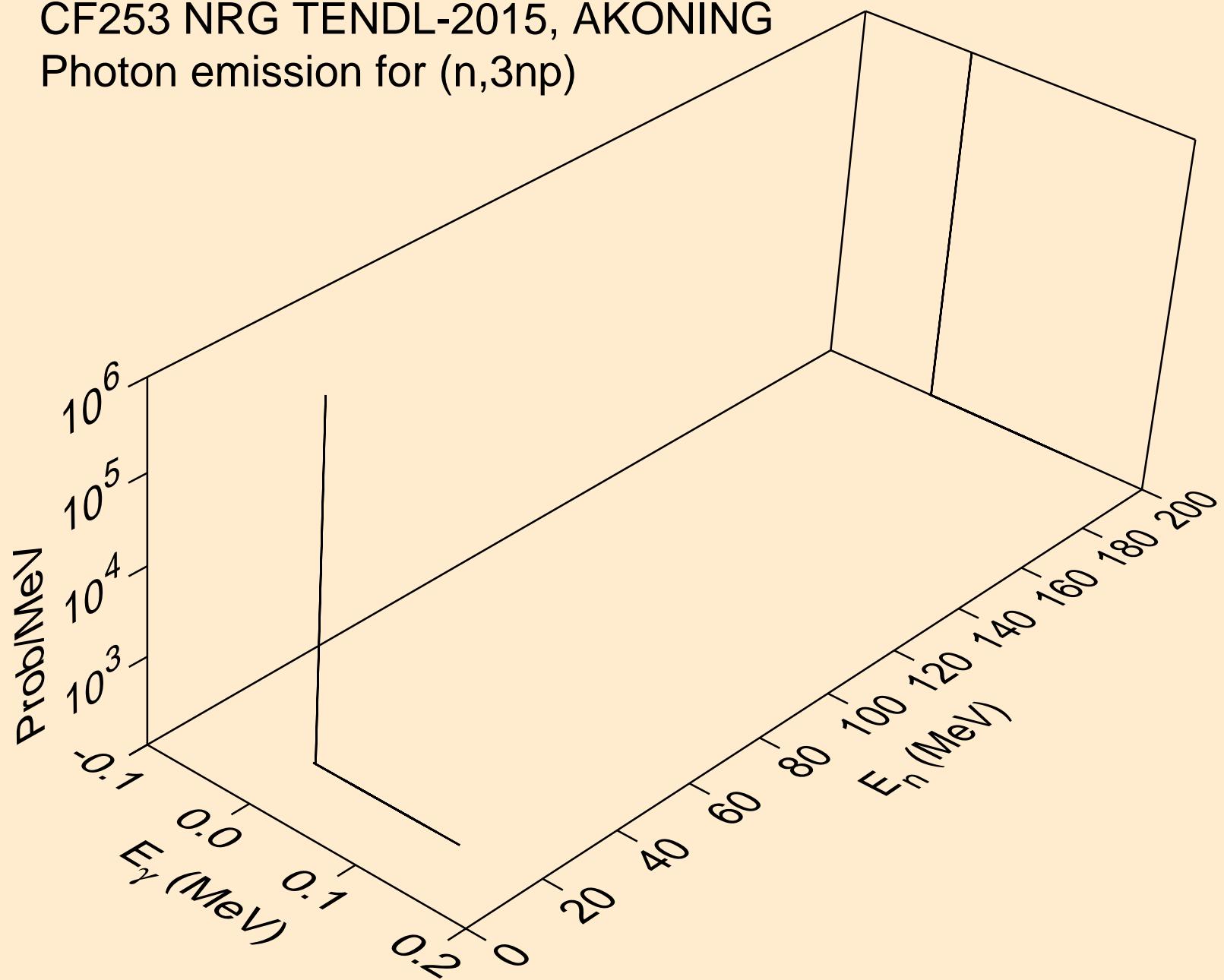
CF253 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



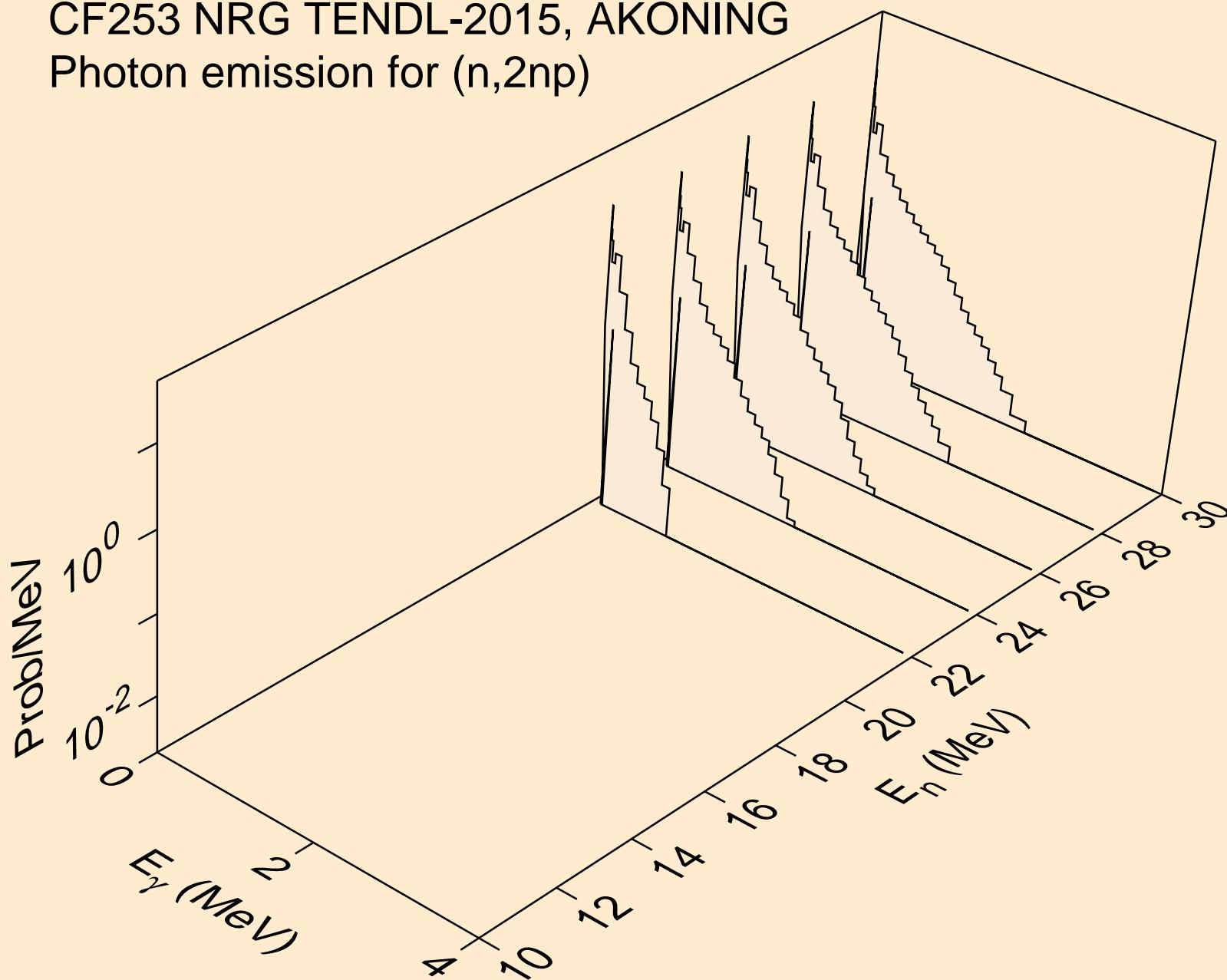
CF253 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



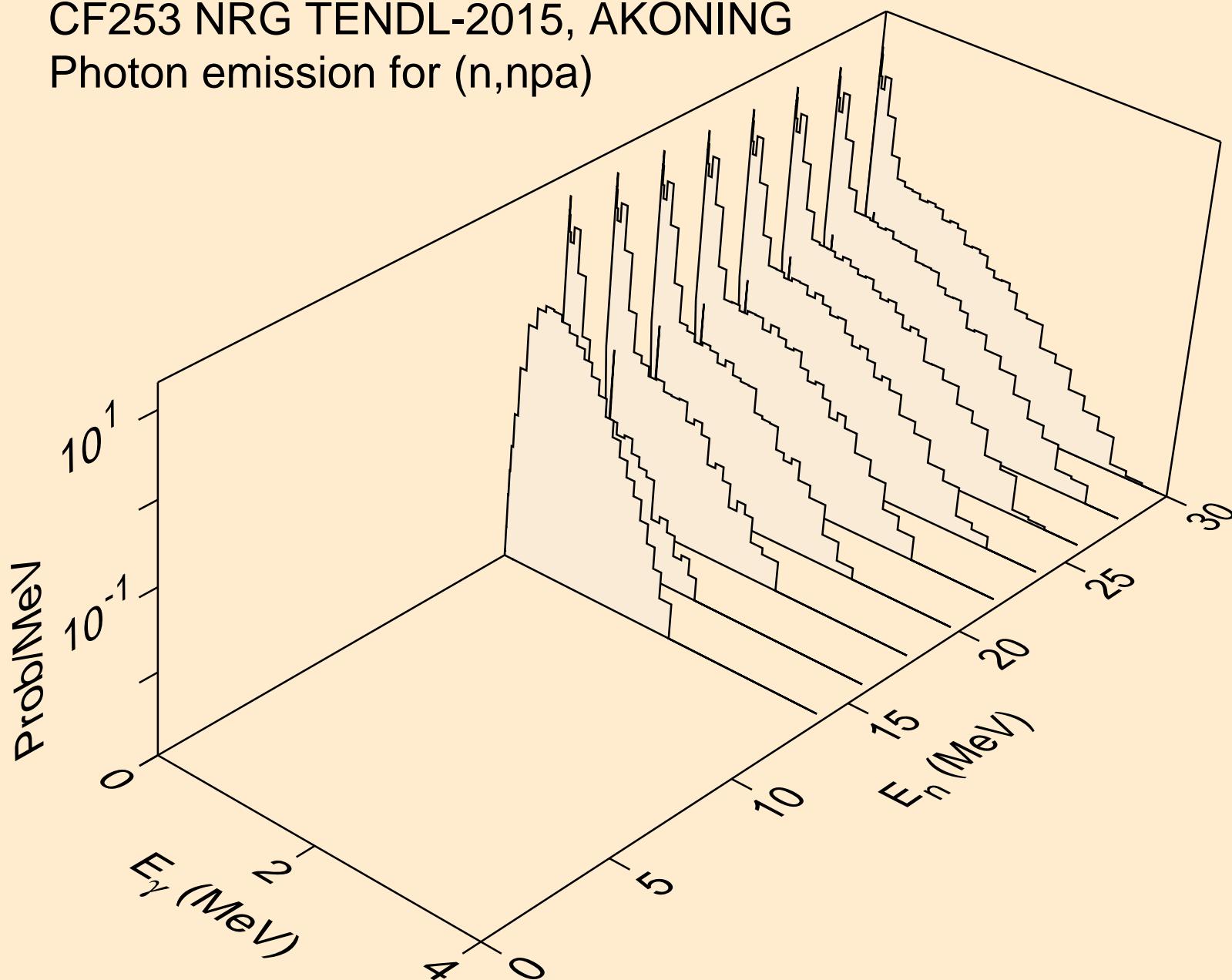
CF253 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



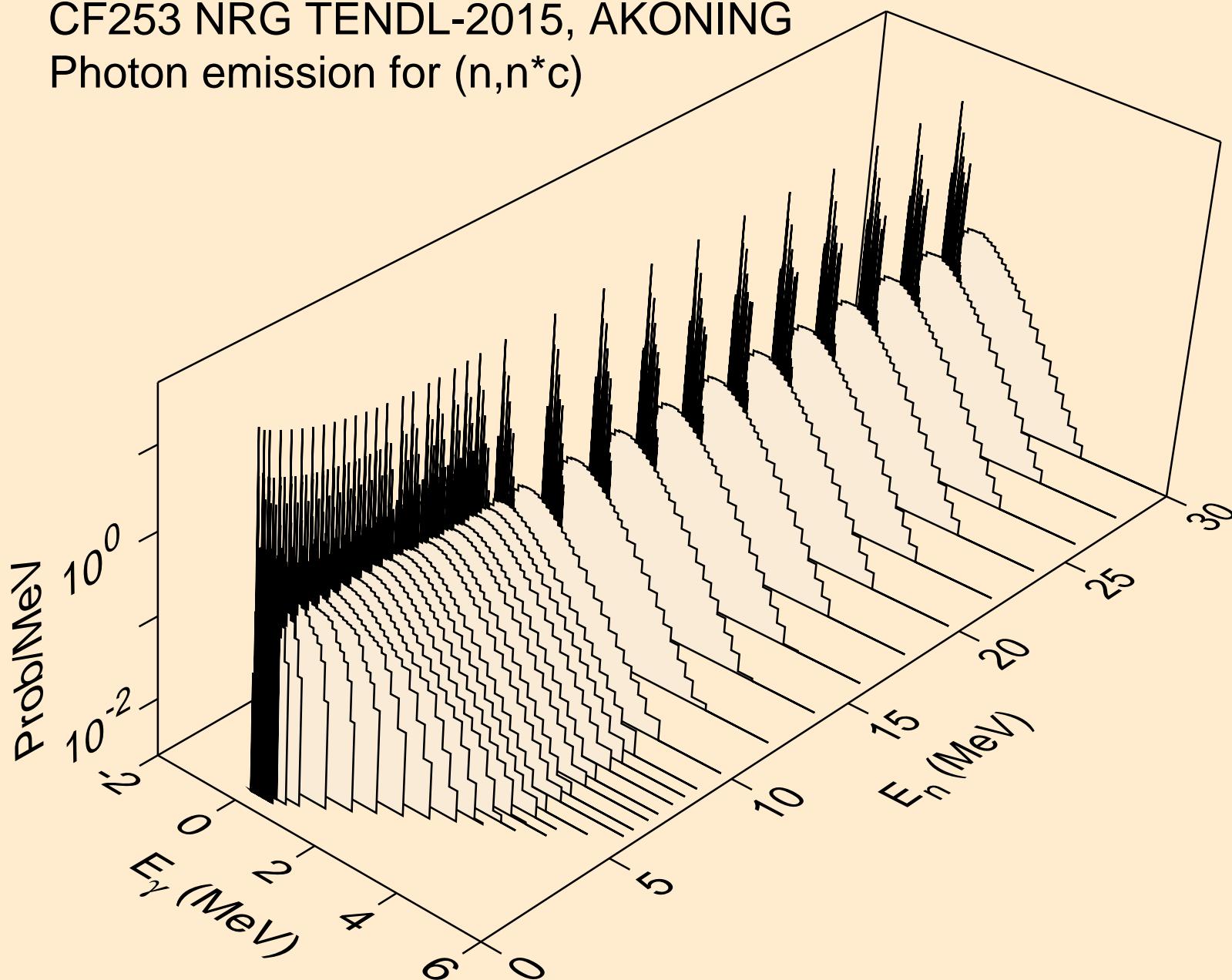
CF253 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



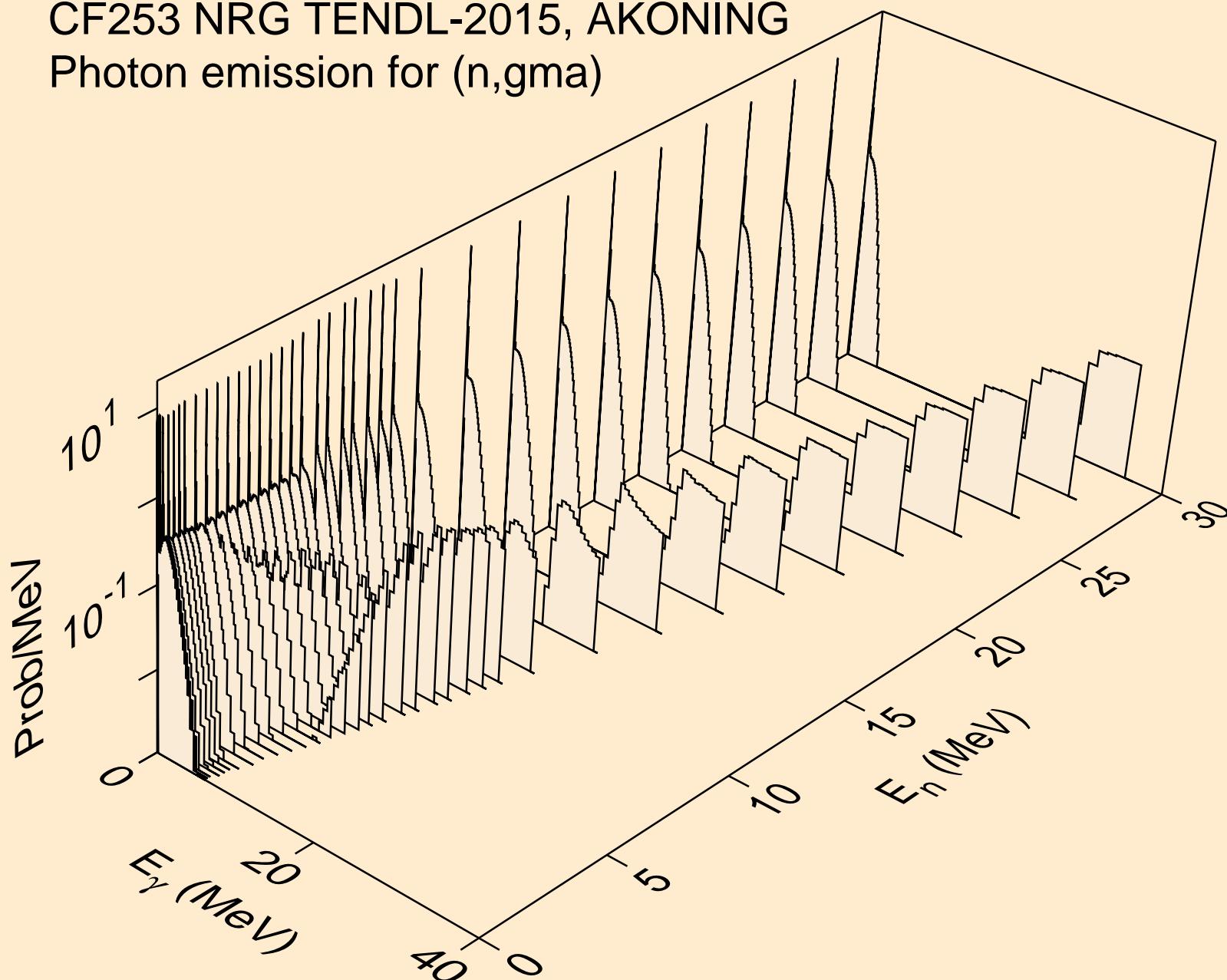
CF253 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



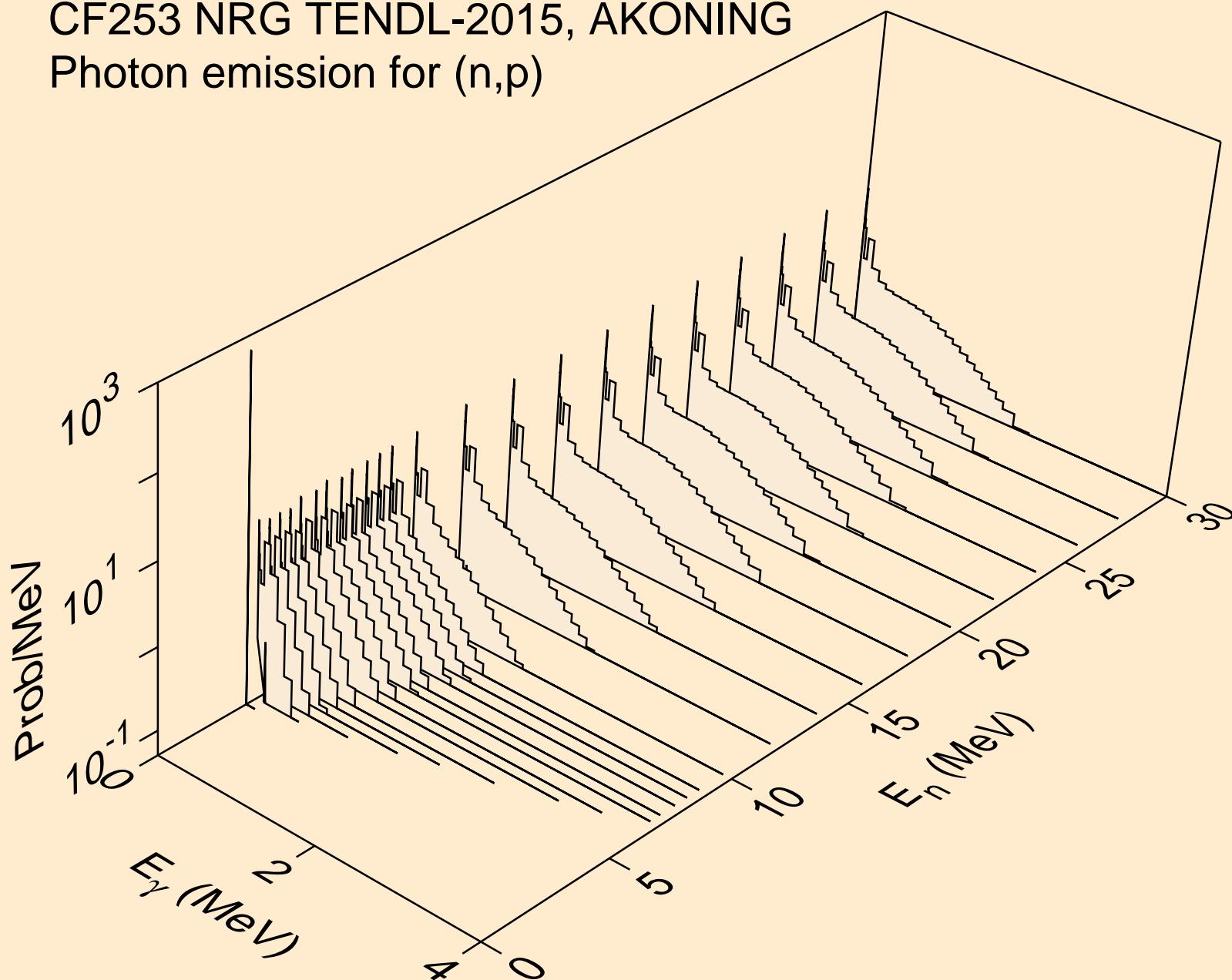
CF253 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



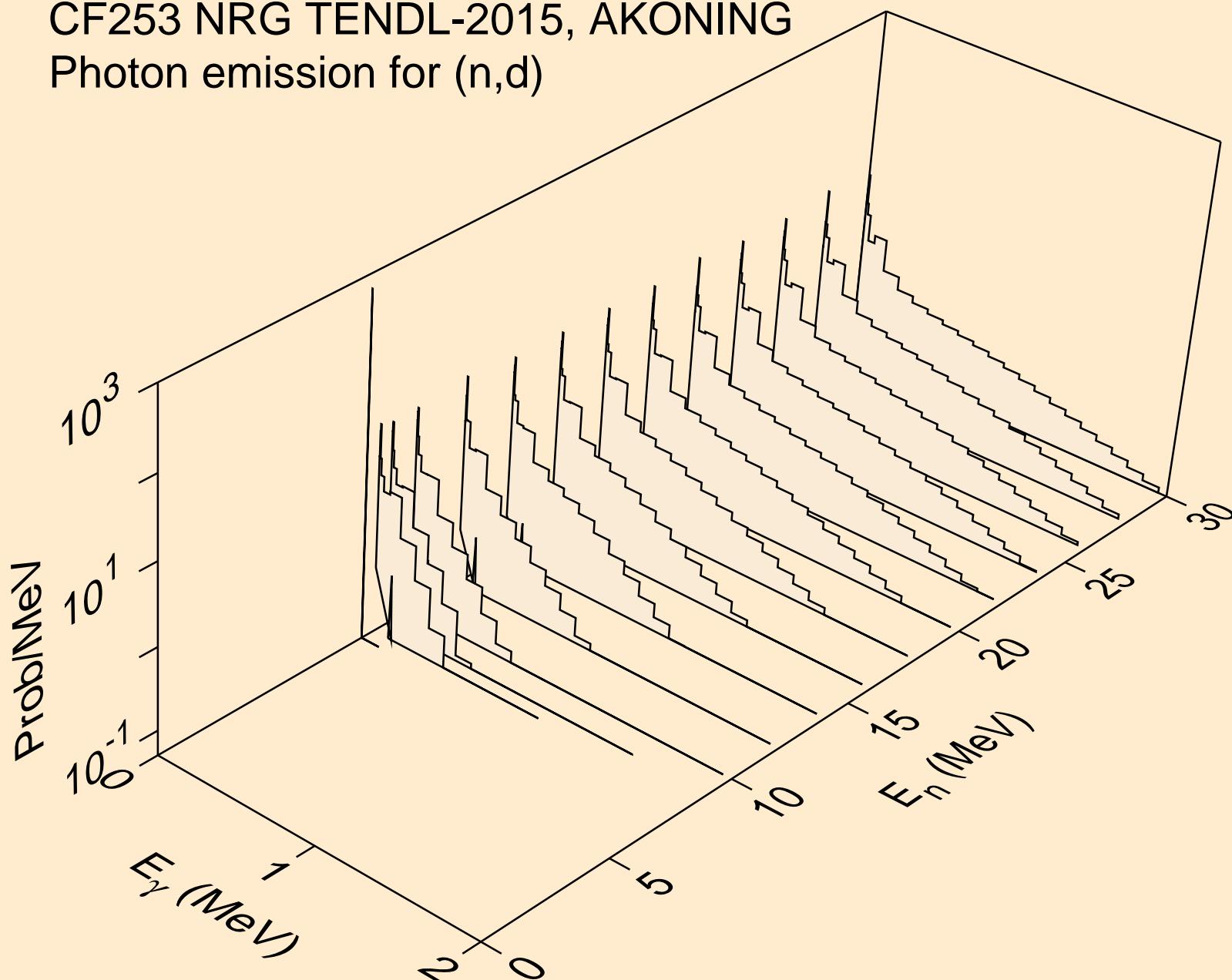
CF253 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



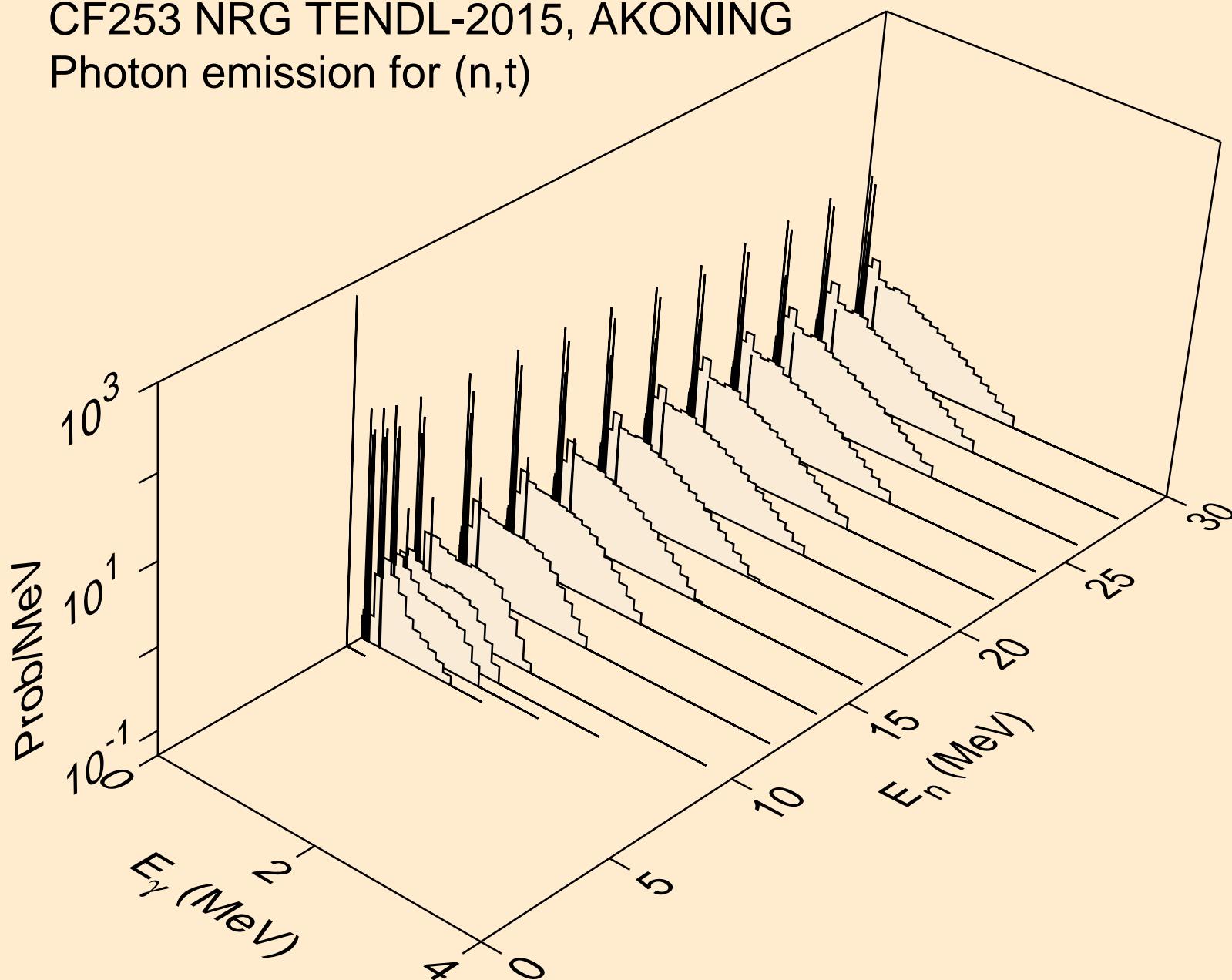
CF253 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



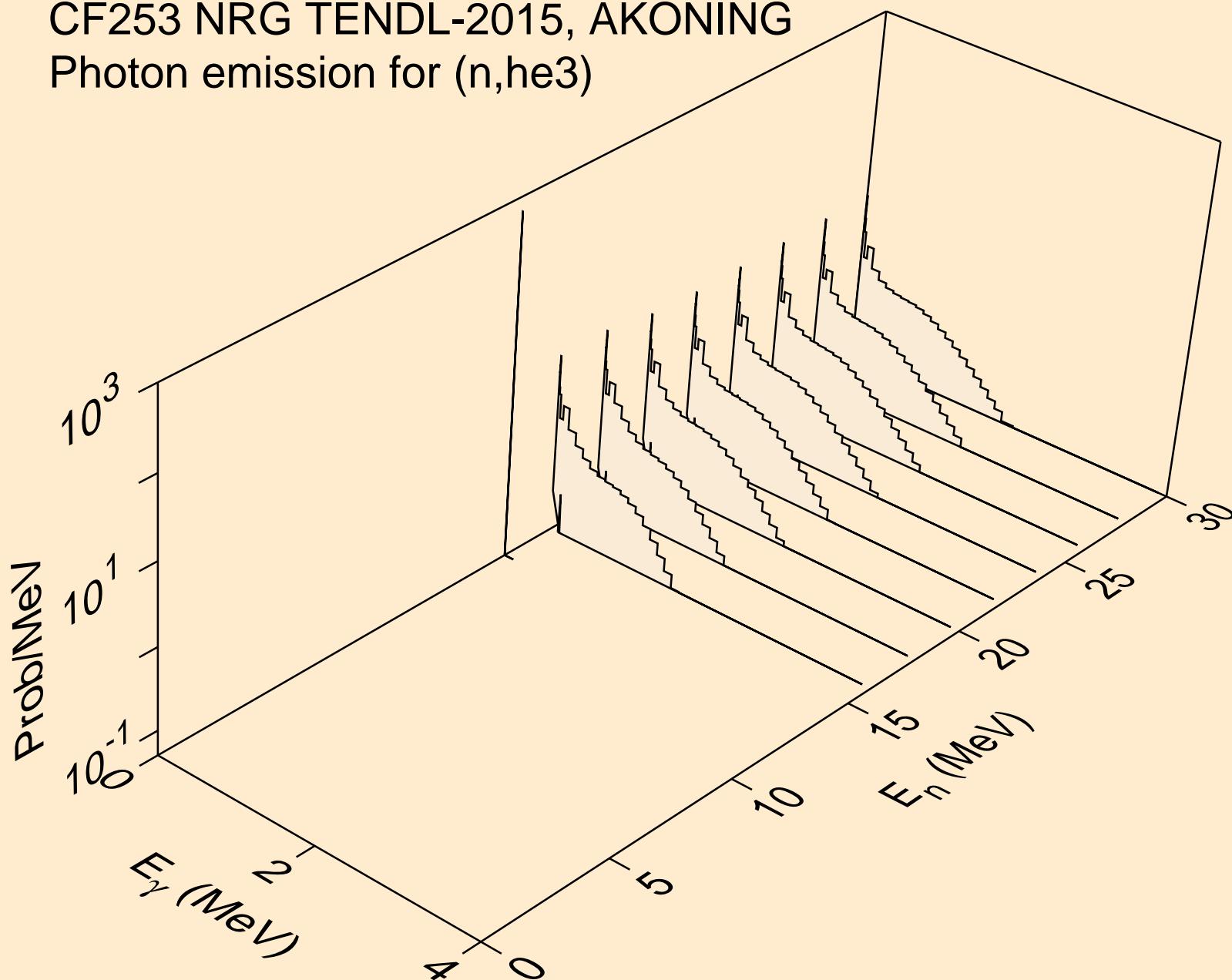
CF253 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



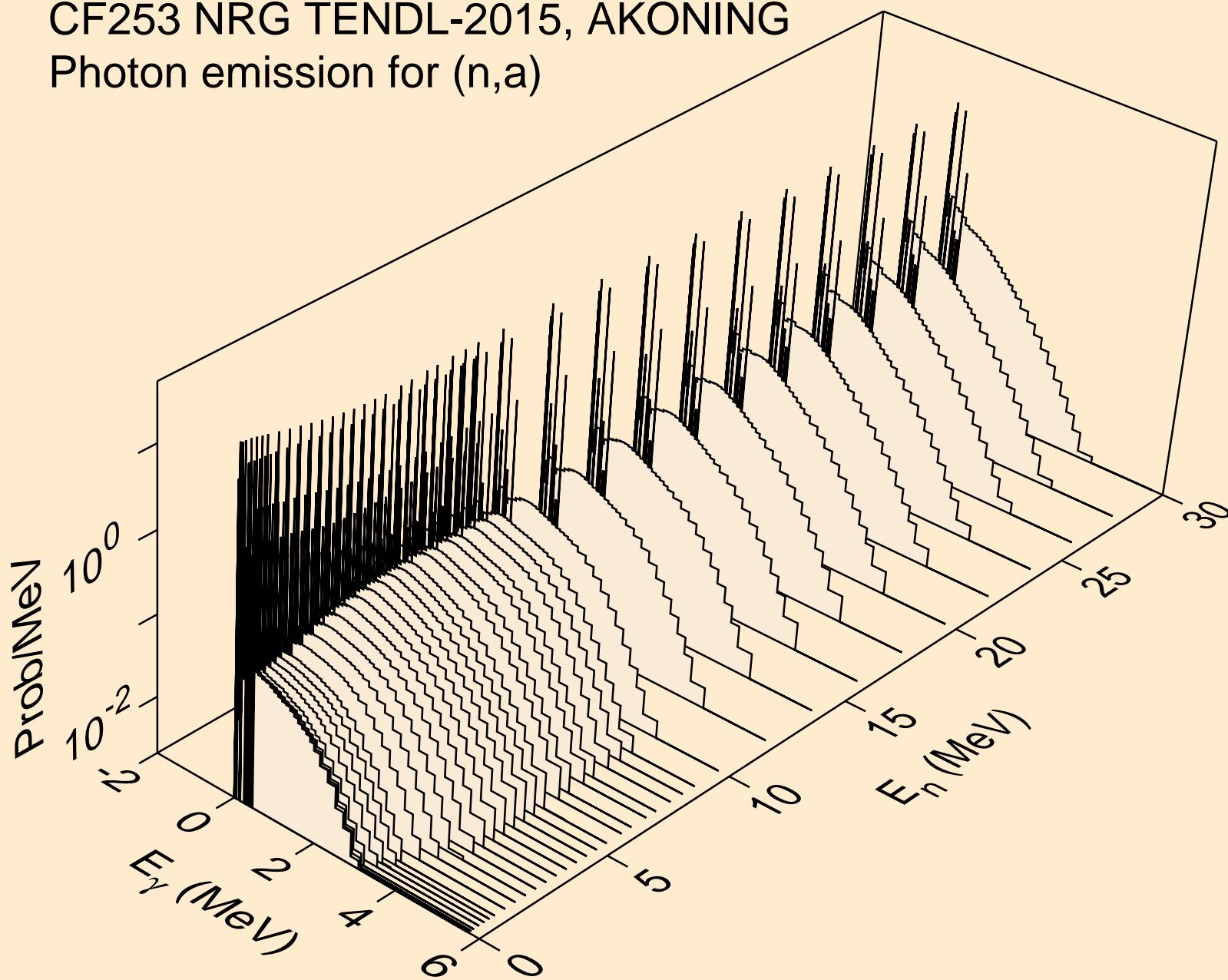
CF253 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



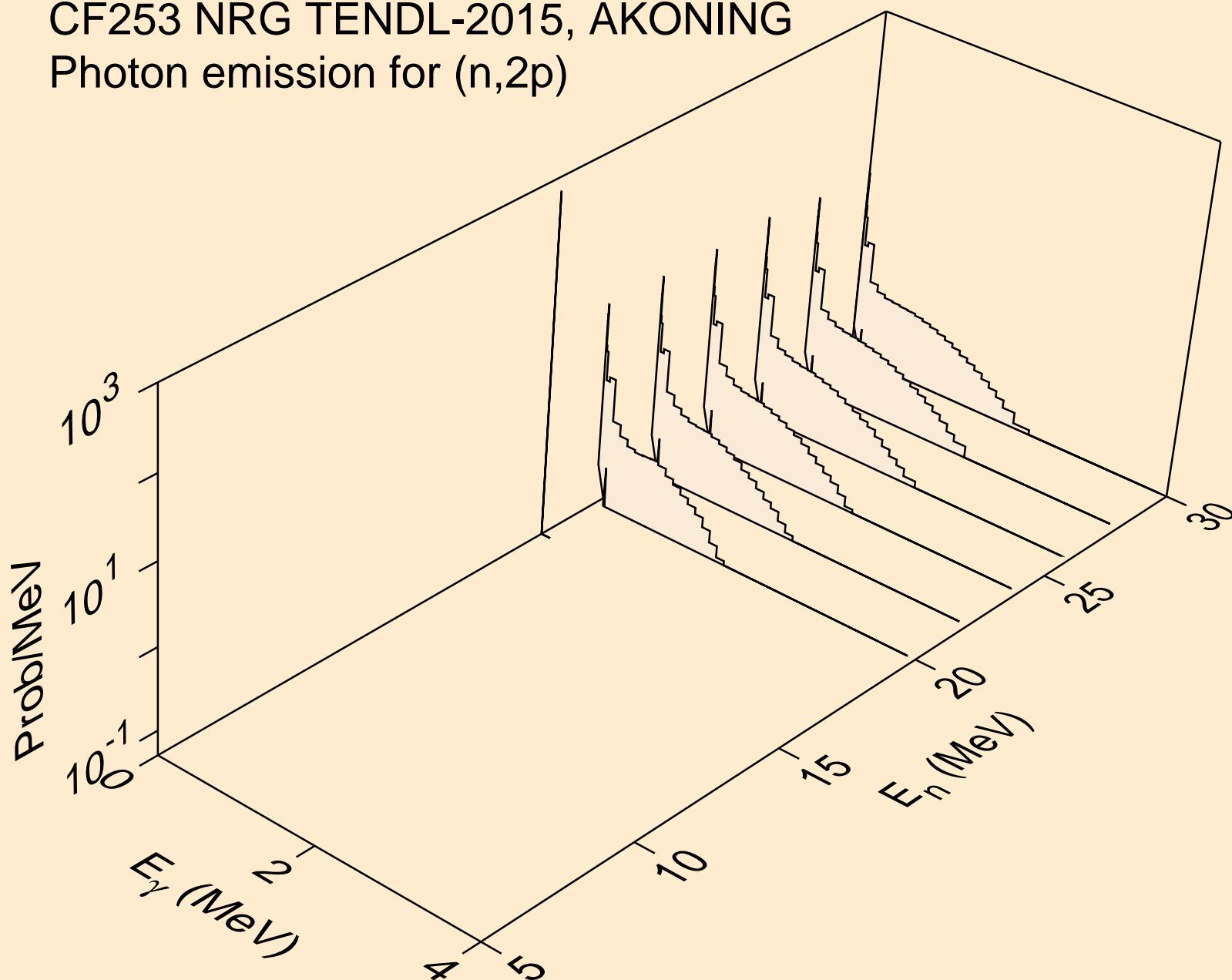
CF253 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



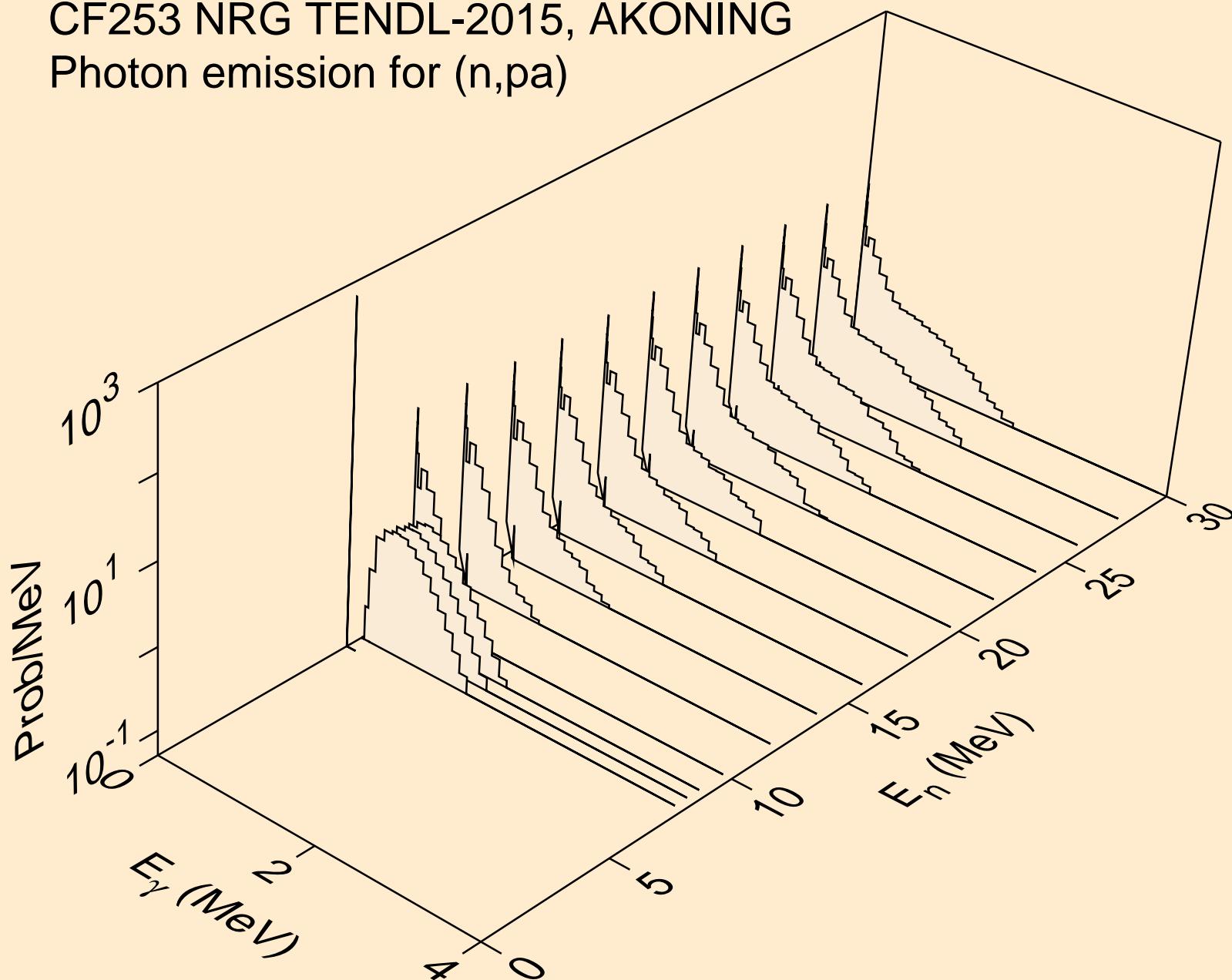
CF253 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



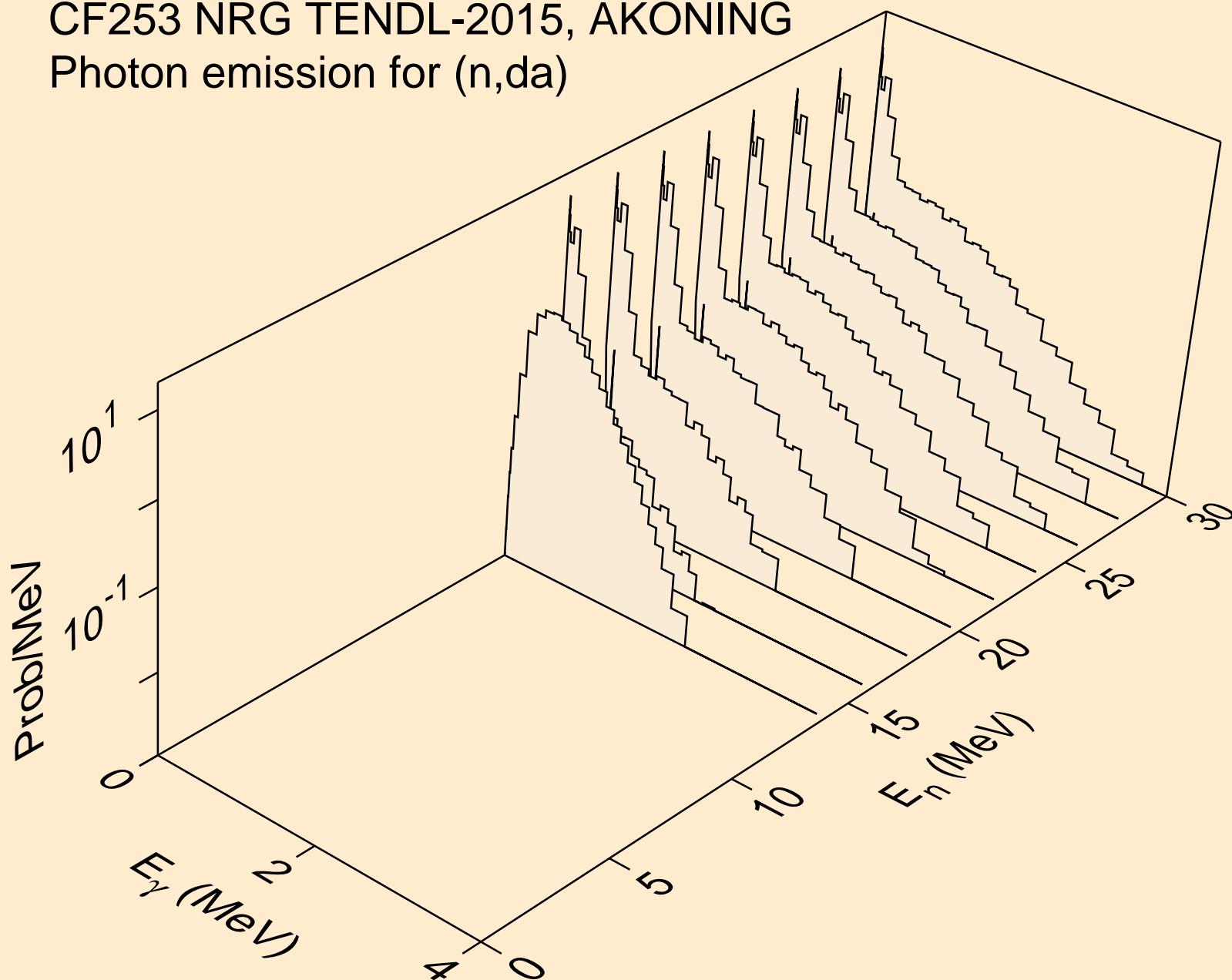
CF253 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



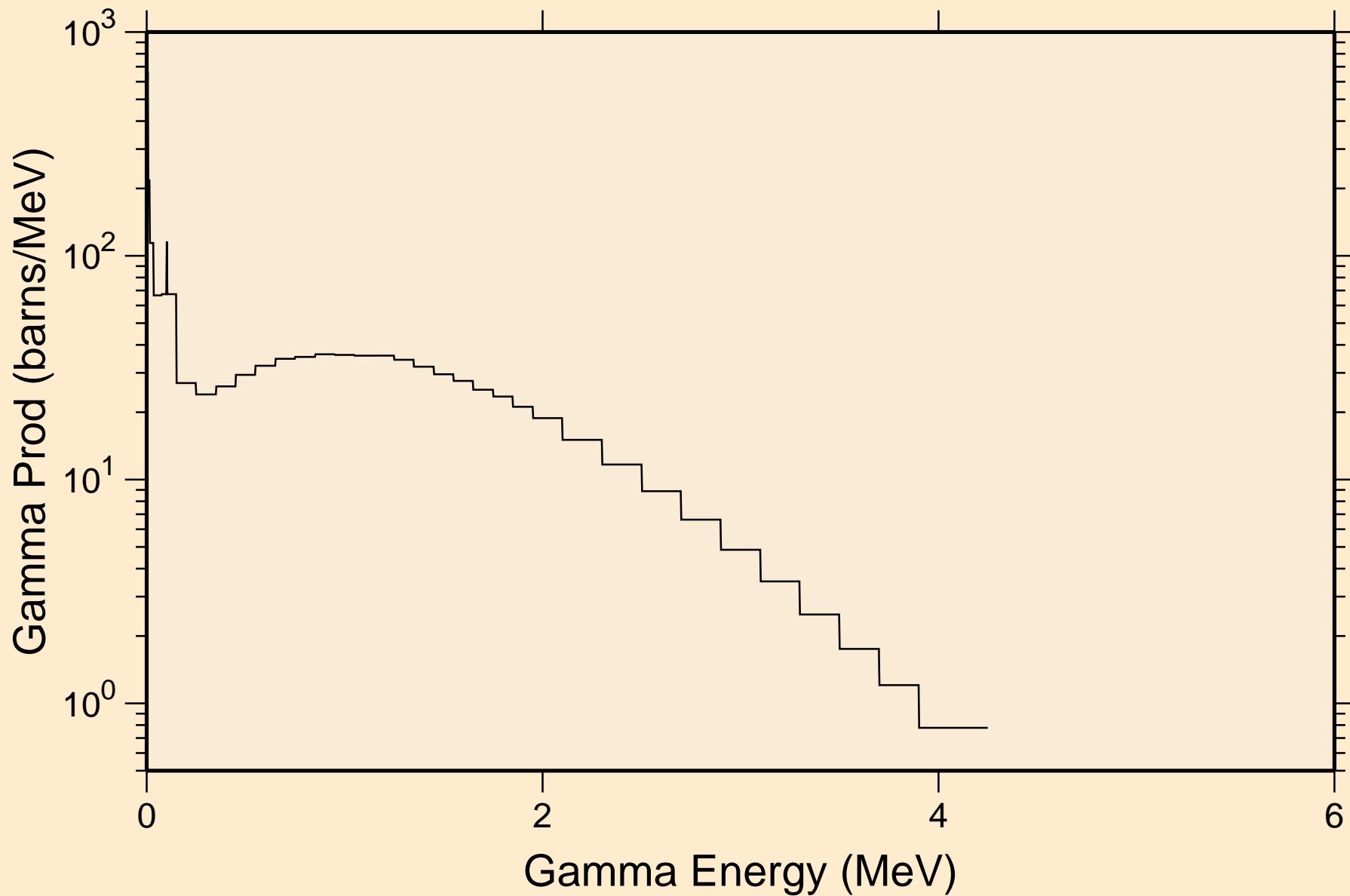
CF253 NRG TENDL-2015, AKONING  
Photon emission for (n,pa)



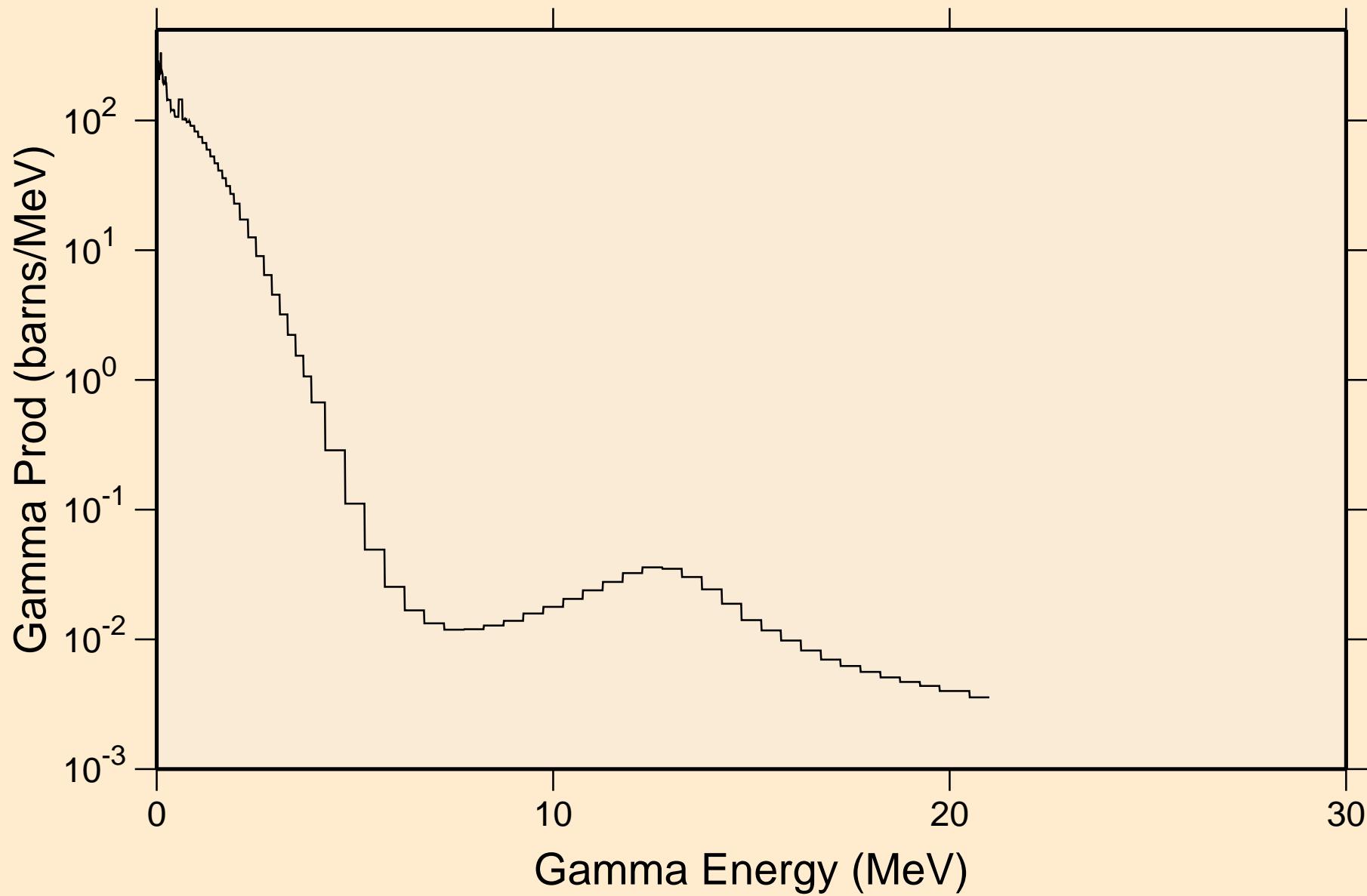
CF253 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



CF253 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

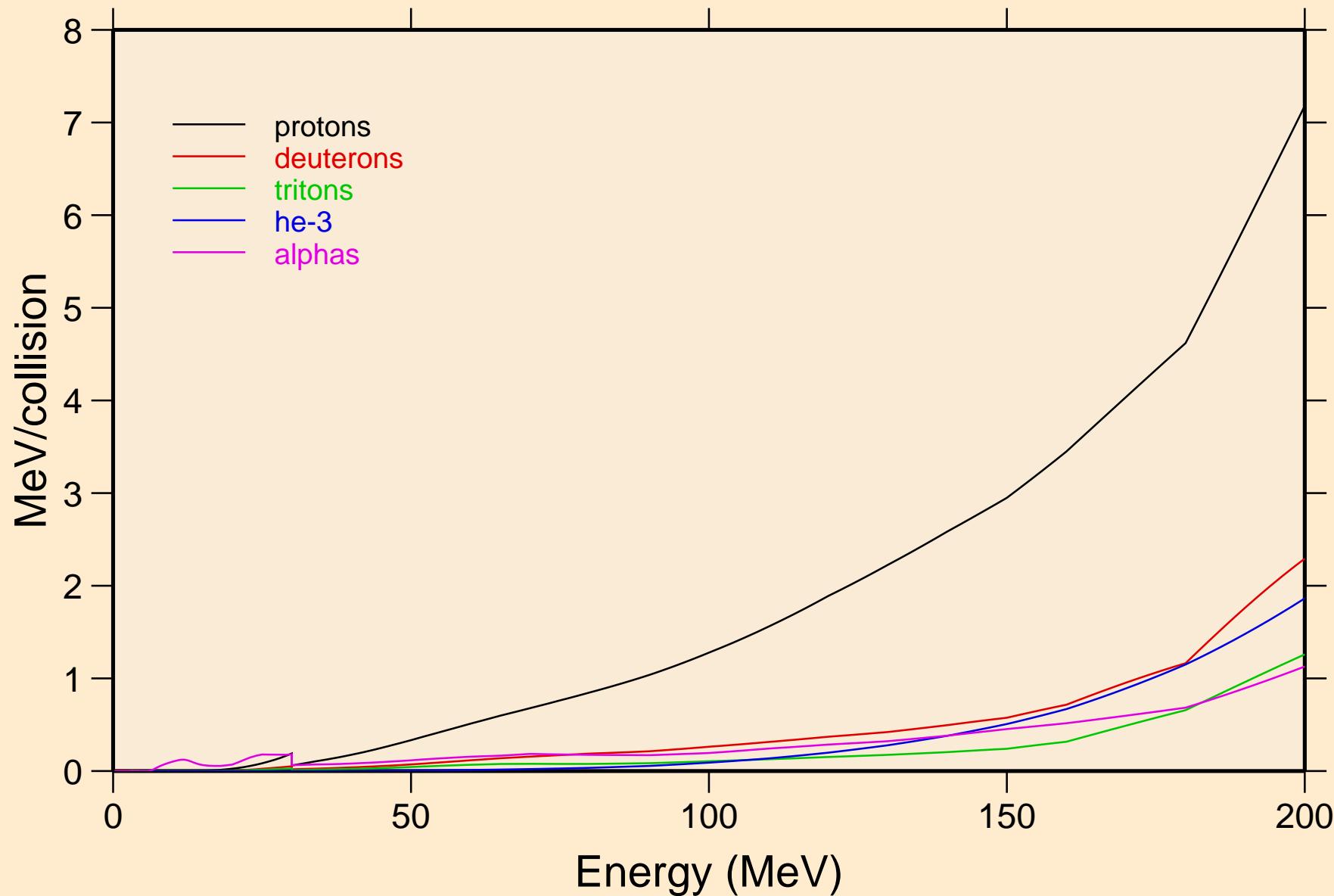


CF253 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



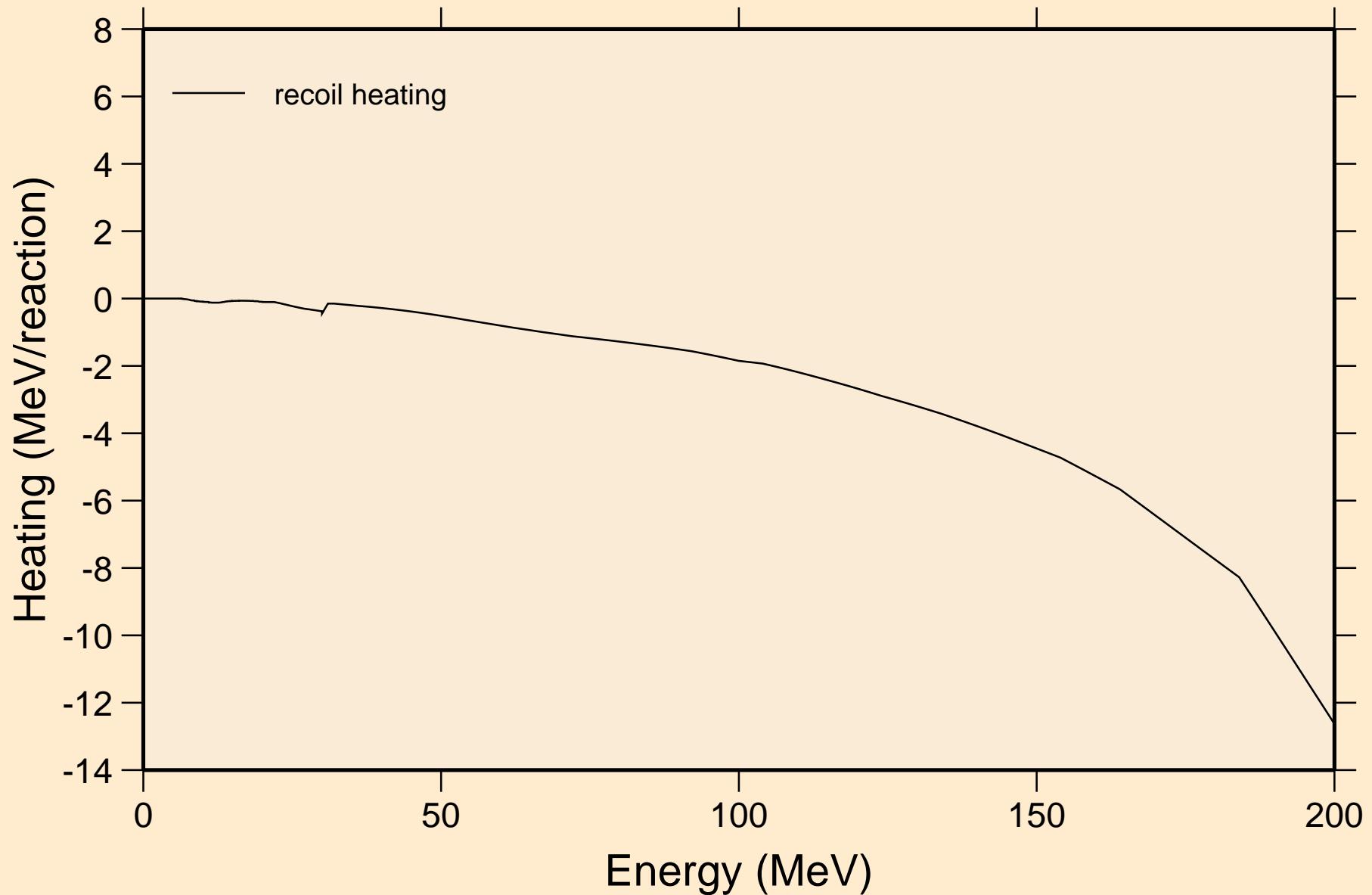
# CF253 NRG TENDL-2015, AKONING

## Particle heating contributions



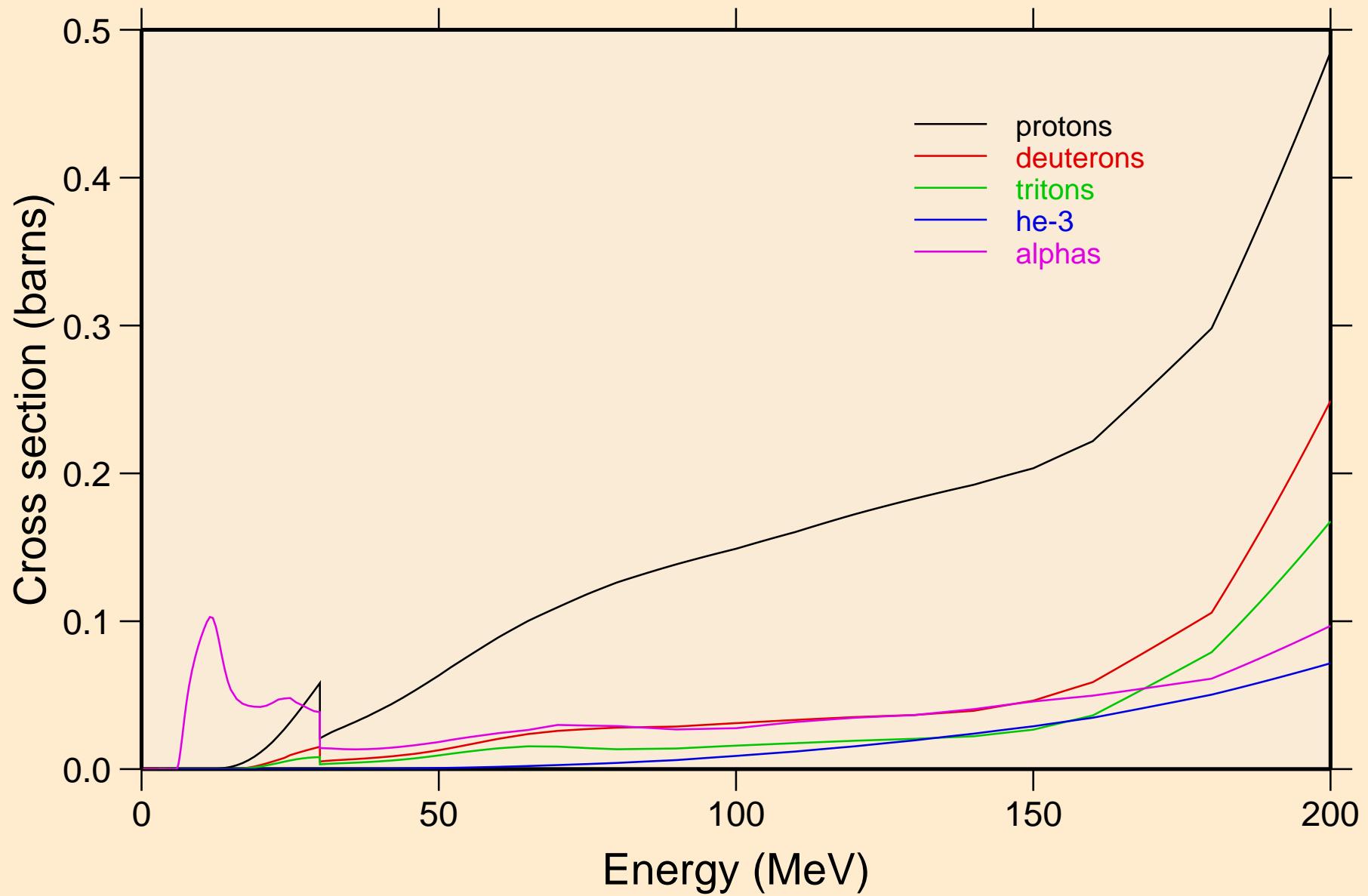
# CF253 NRG TENDL-2015, AKONING

## Recoil Heating

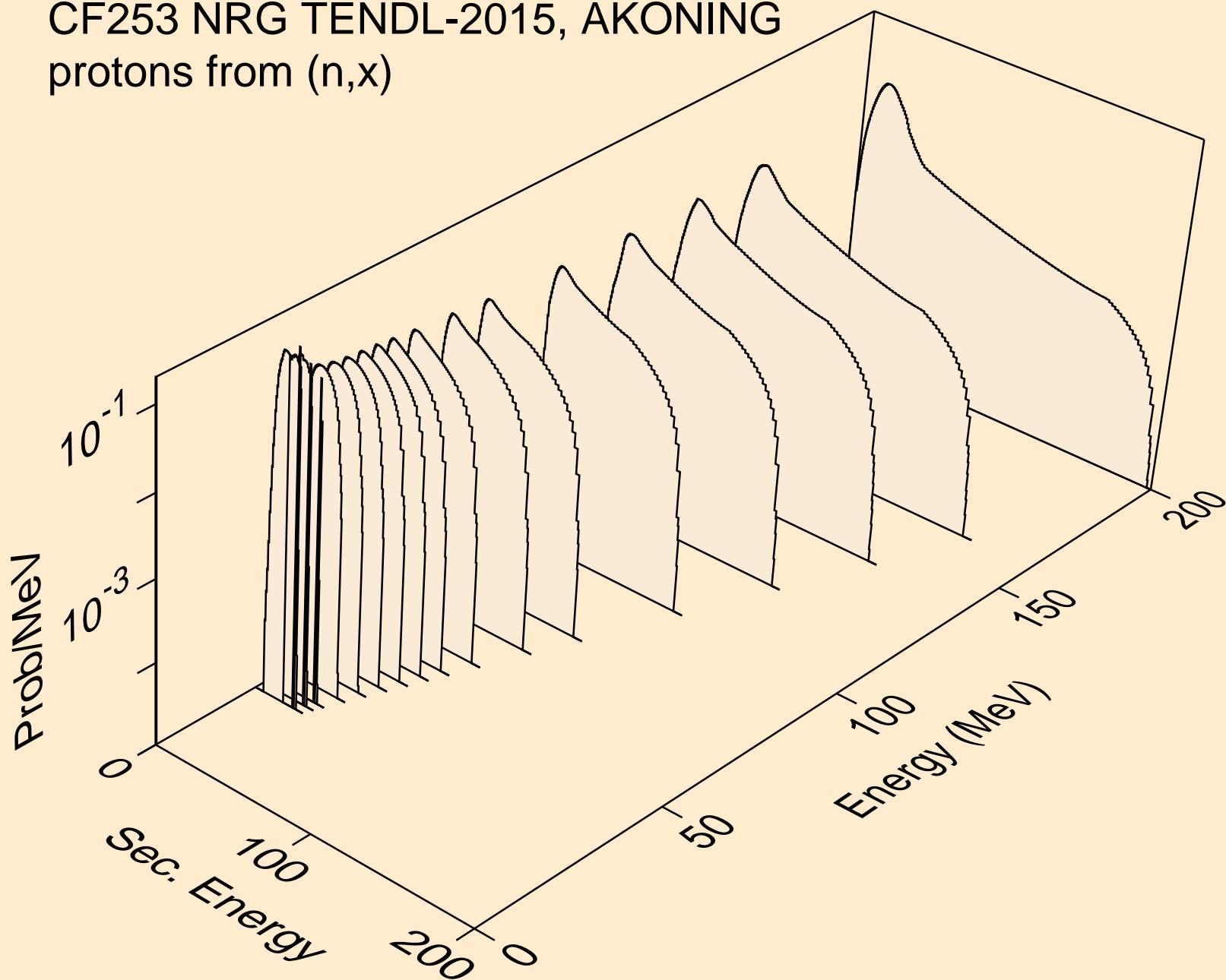


# CF253 NRG TENDL-2015, AKONING

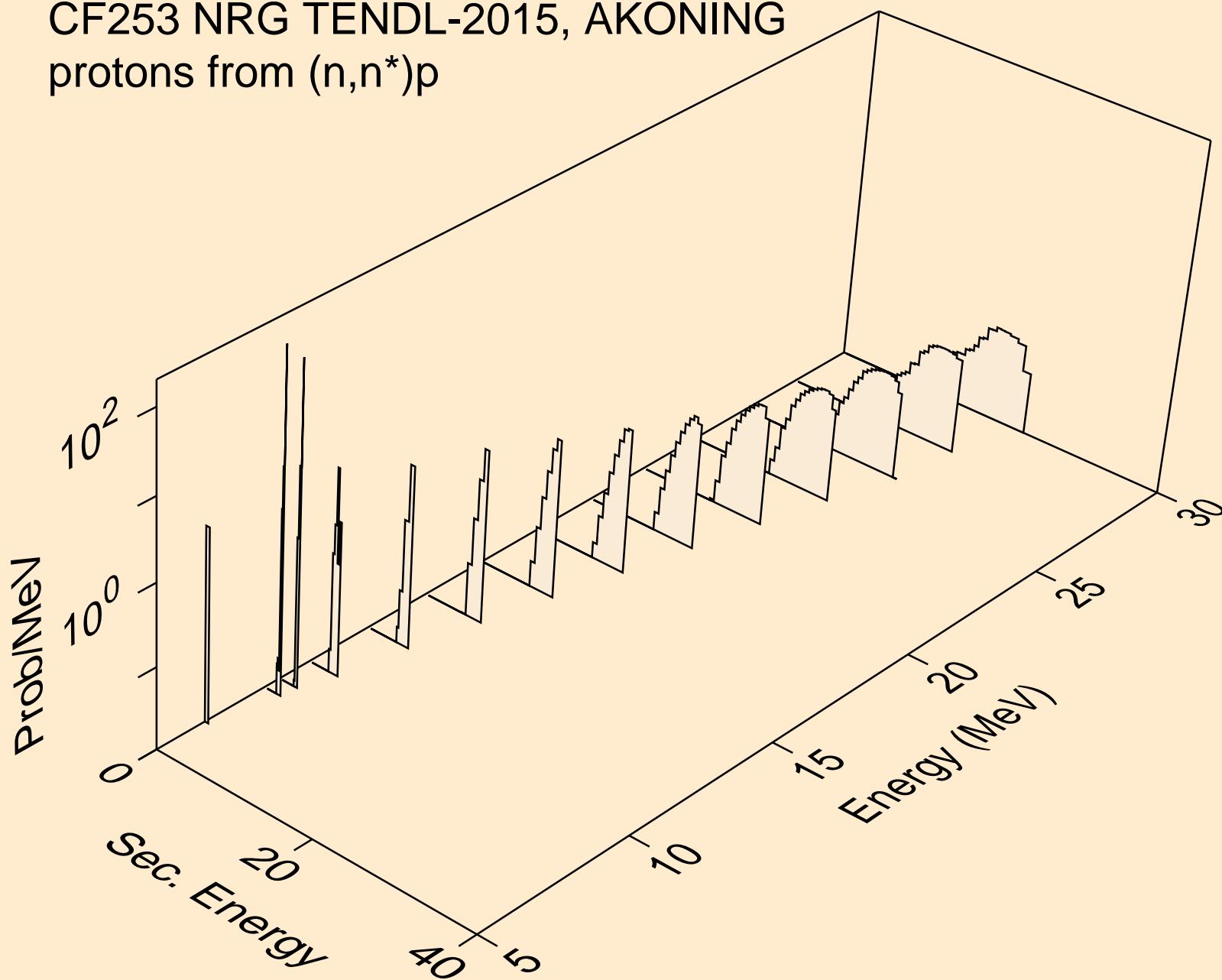
## Particle production cross sections



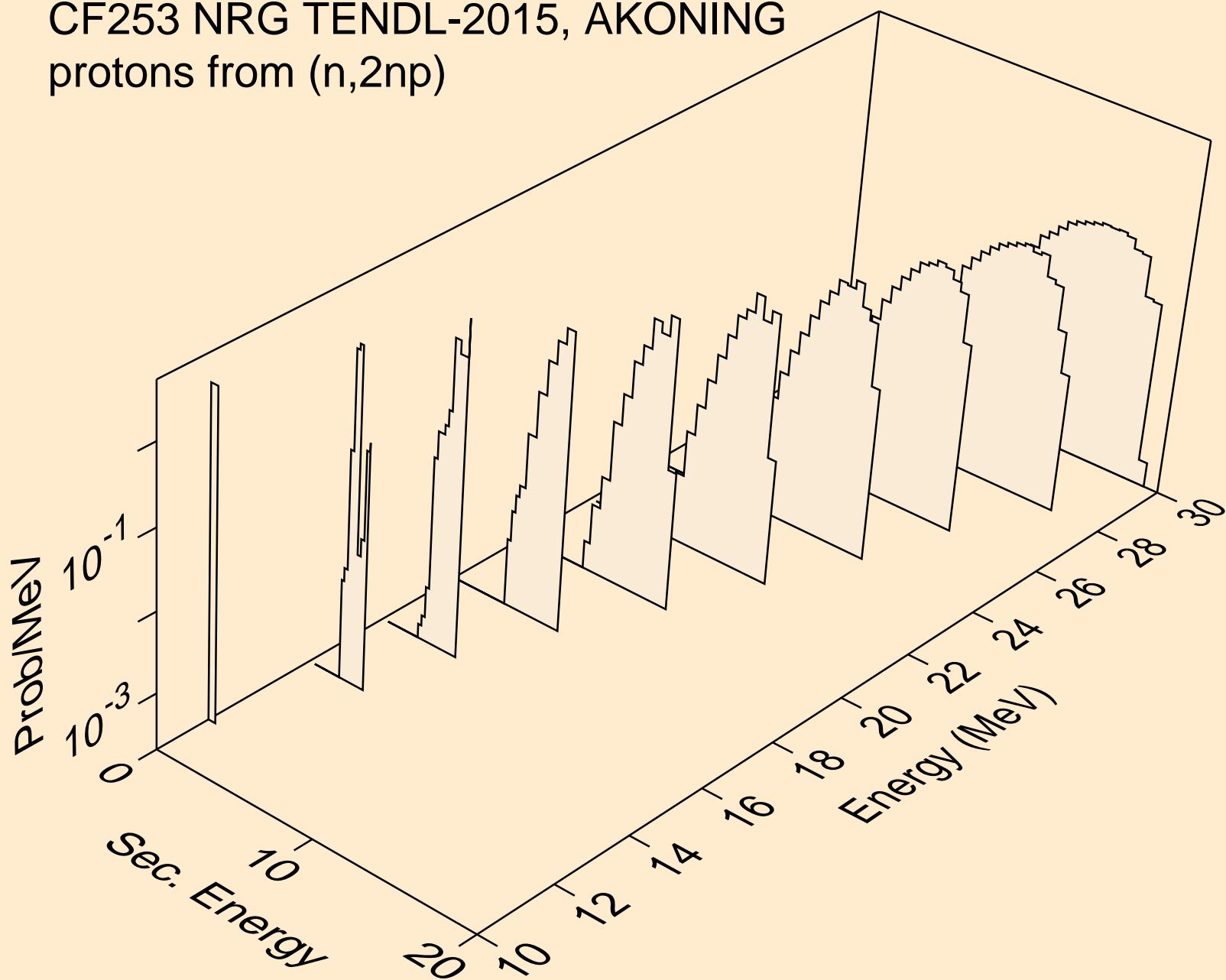
CF253 NRG TENDL-2015, AKONING  
protons from ( $n, x$ )



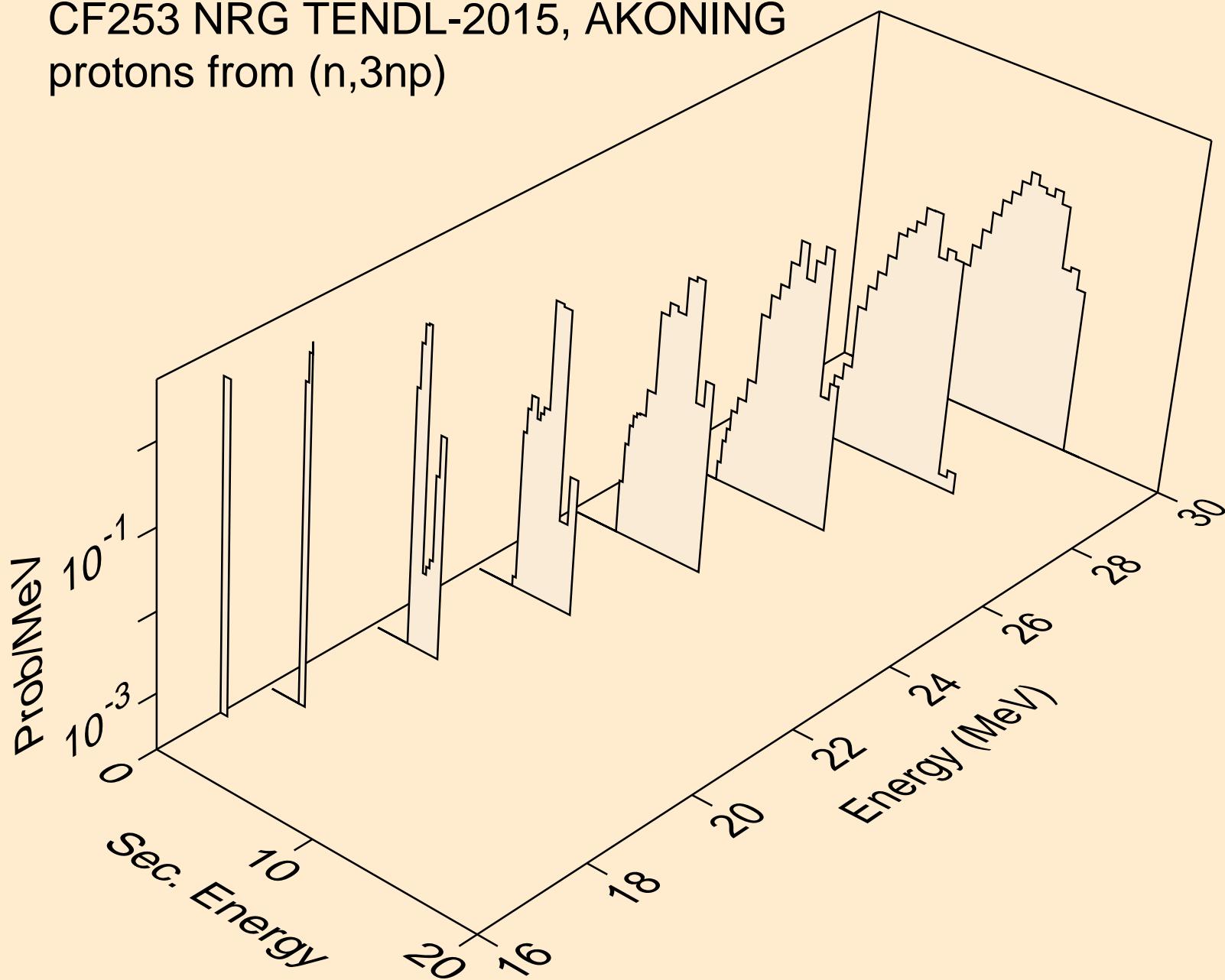
CF253 NRG TENDL-2015, AKONING  
protons from  $(n,n^*)p$



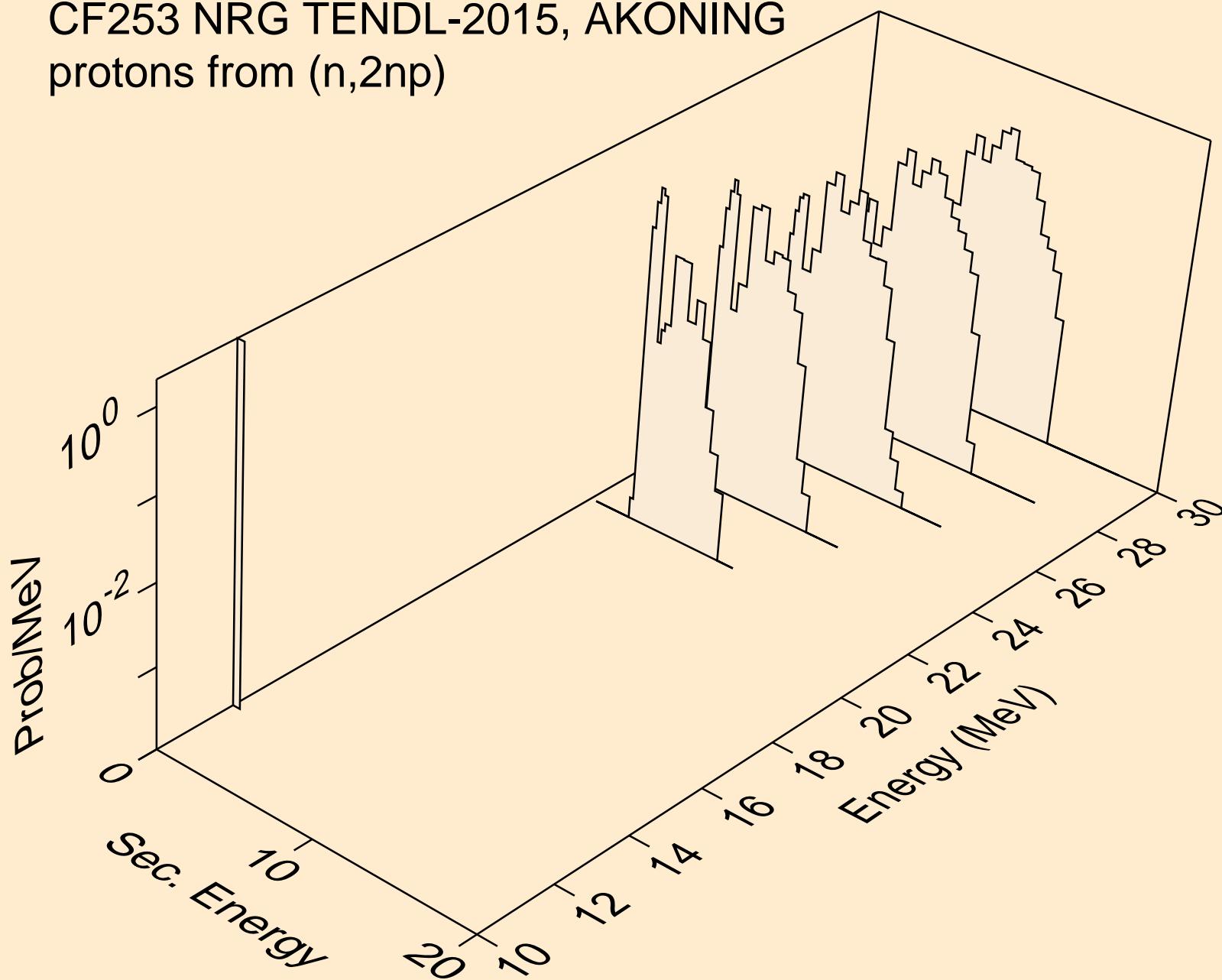
CF253 NRG TENDL-2015, AKONING  
protons from ( $n,2np$ )



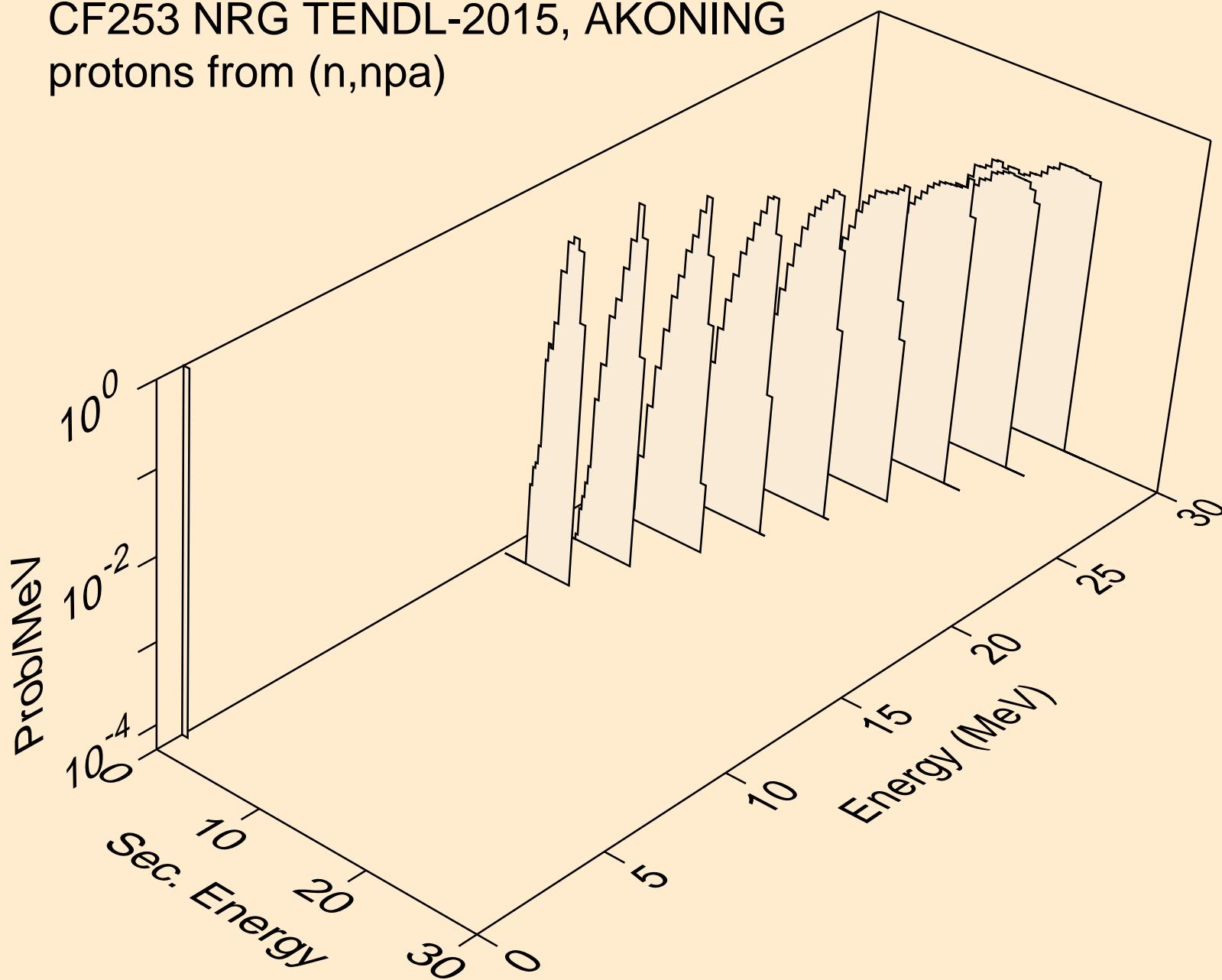
CF253 NRG TENDL-2015, AKONING  
protons from ( $n,3np$ )



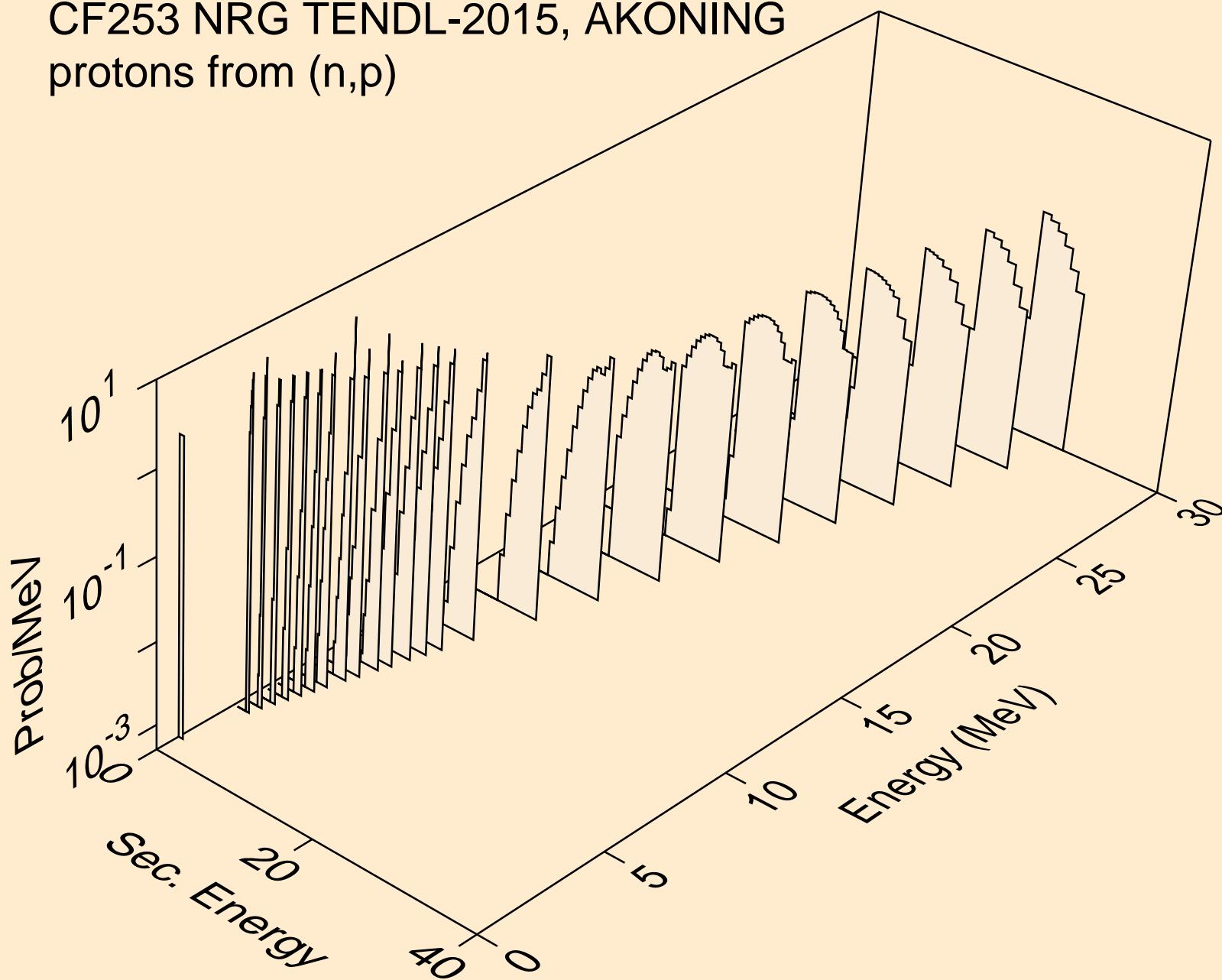
CF253 NRG TENDL-2015, AKONING  
protons from ( $n,2np$ )



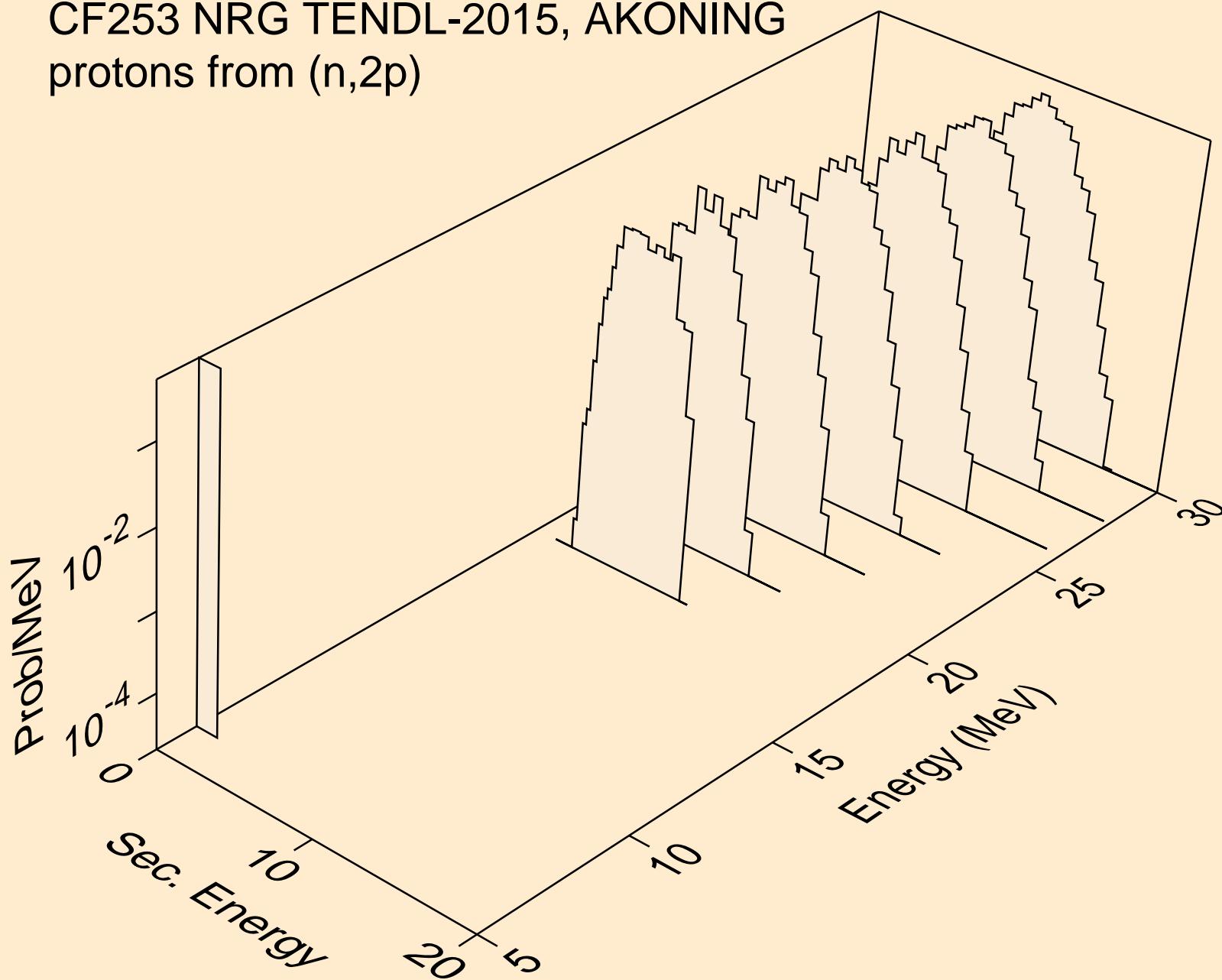
CF253 NRG TENDL-2015, AKONING  
protons from (n,npa)



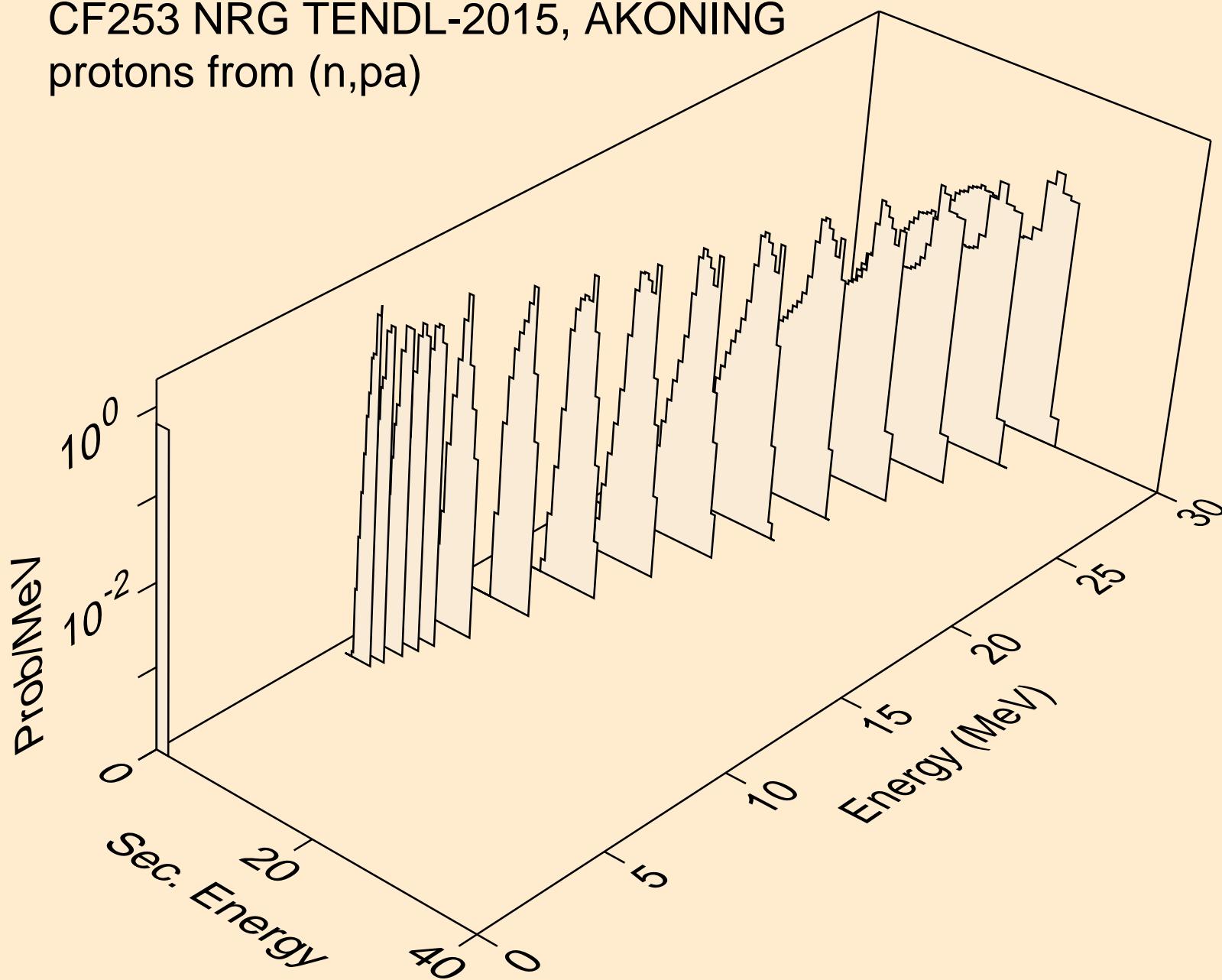
CF253 NRG TENDL-2015, AKONING  
protons from (n,p)



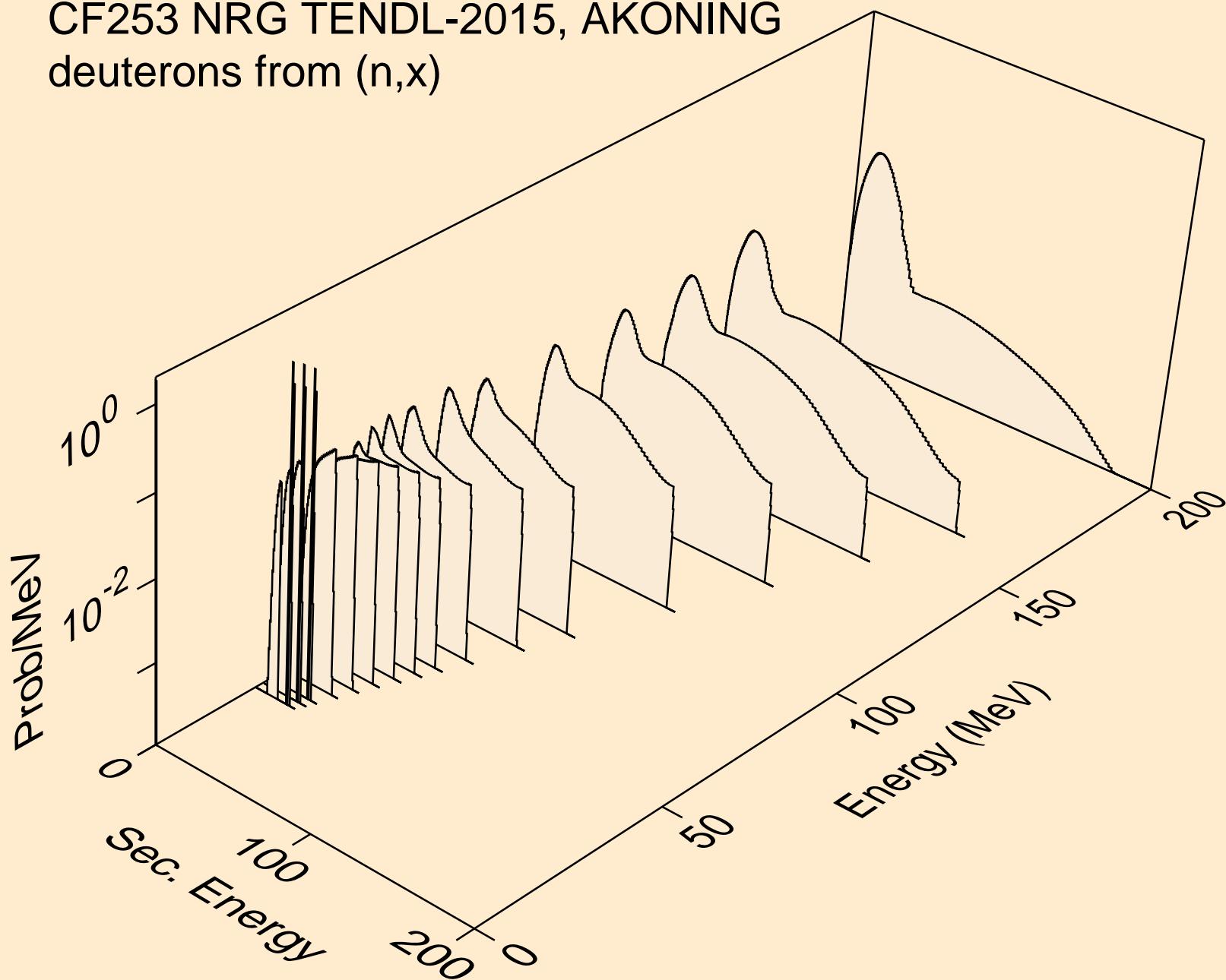
CF253 NRG TENDL-2015, AKONING  
protons from ( $n,2p$ )



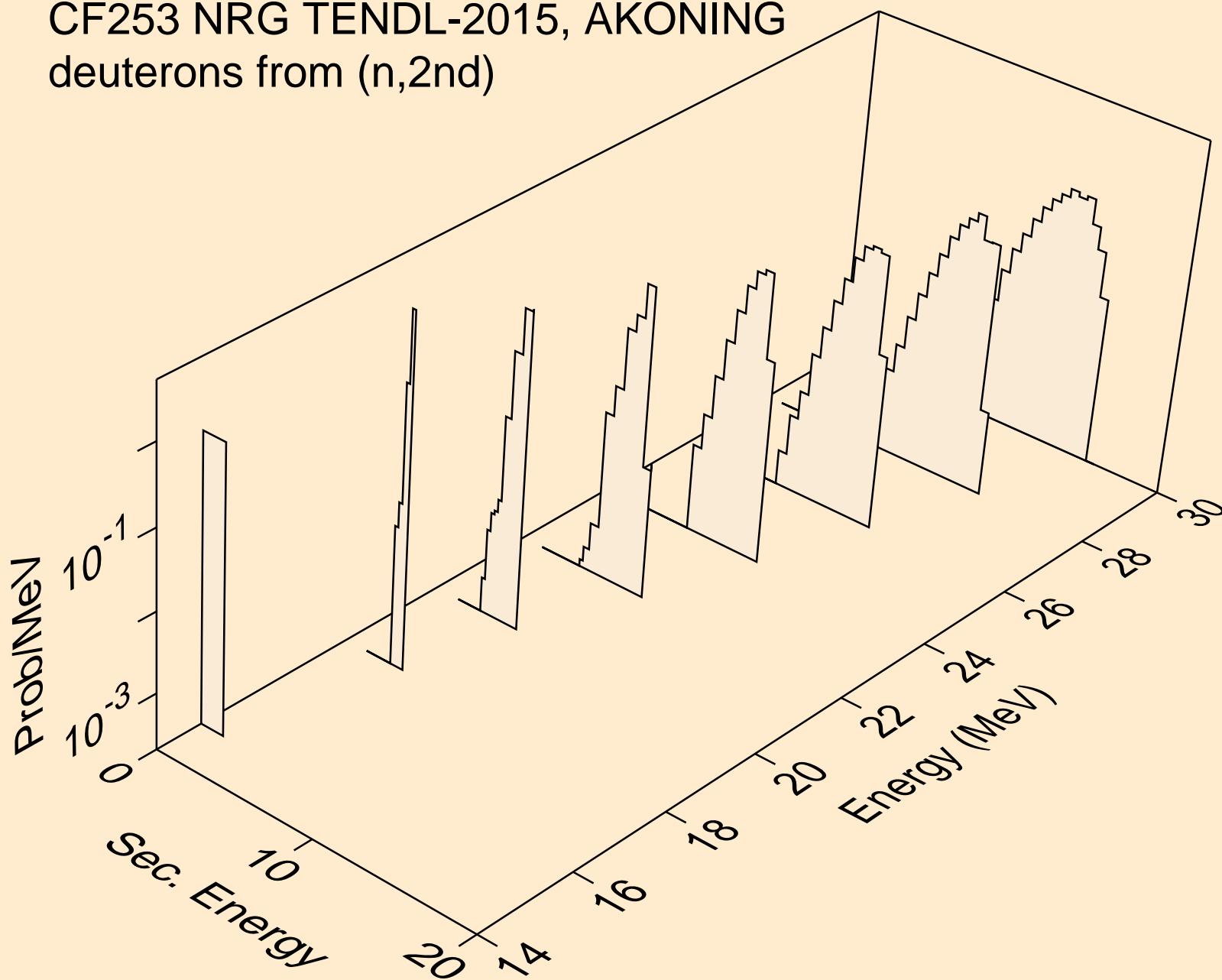
CF253 NRG TENDL-2015, AKONING  
protons from (n,pa)



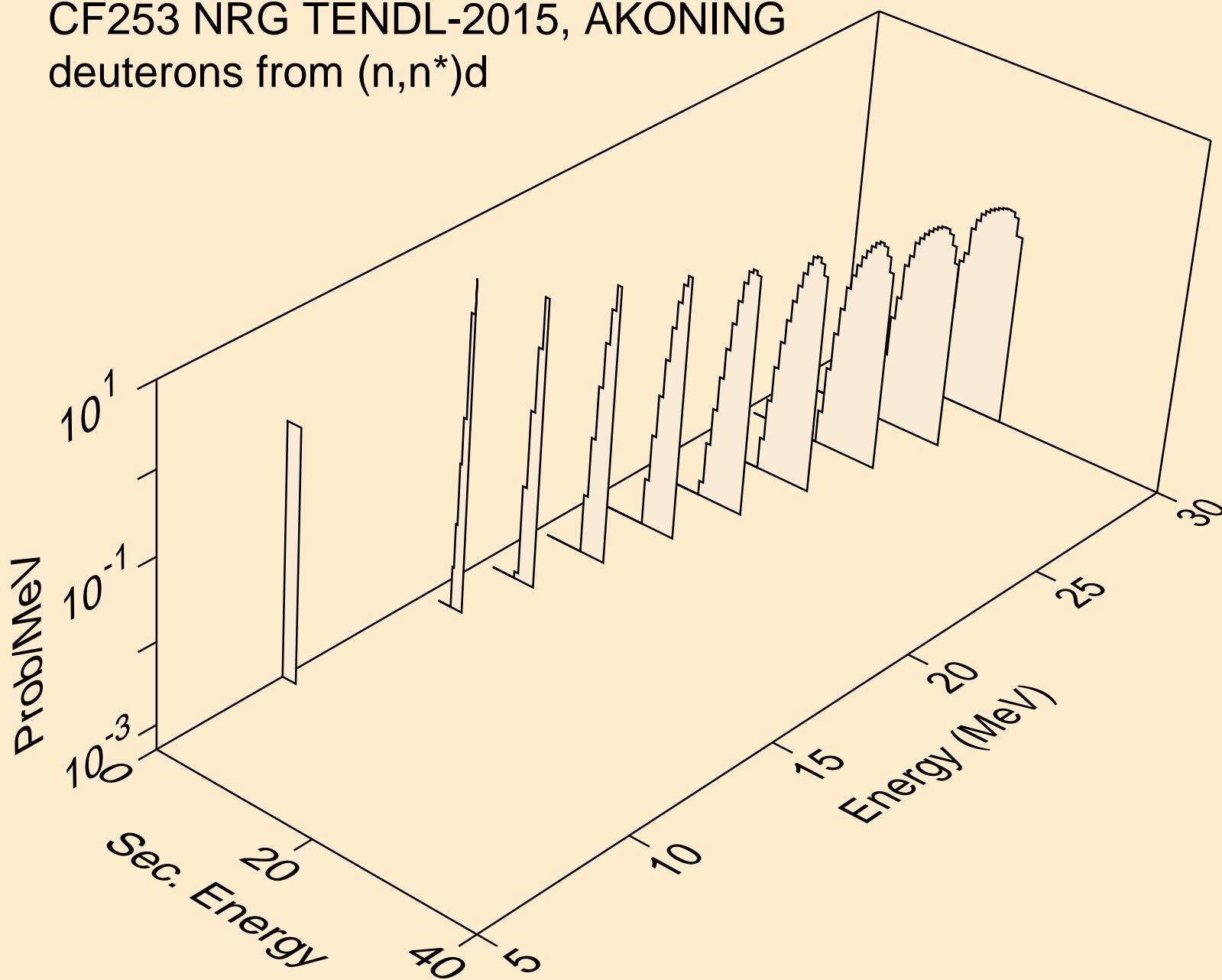
CF253 NRG TENDL-2015, AKONING  
deuterons from ( $n, x$ )



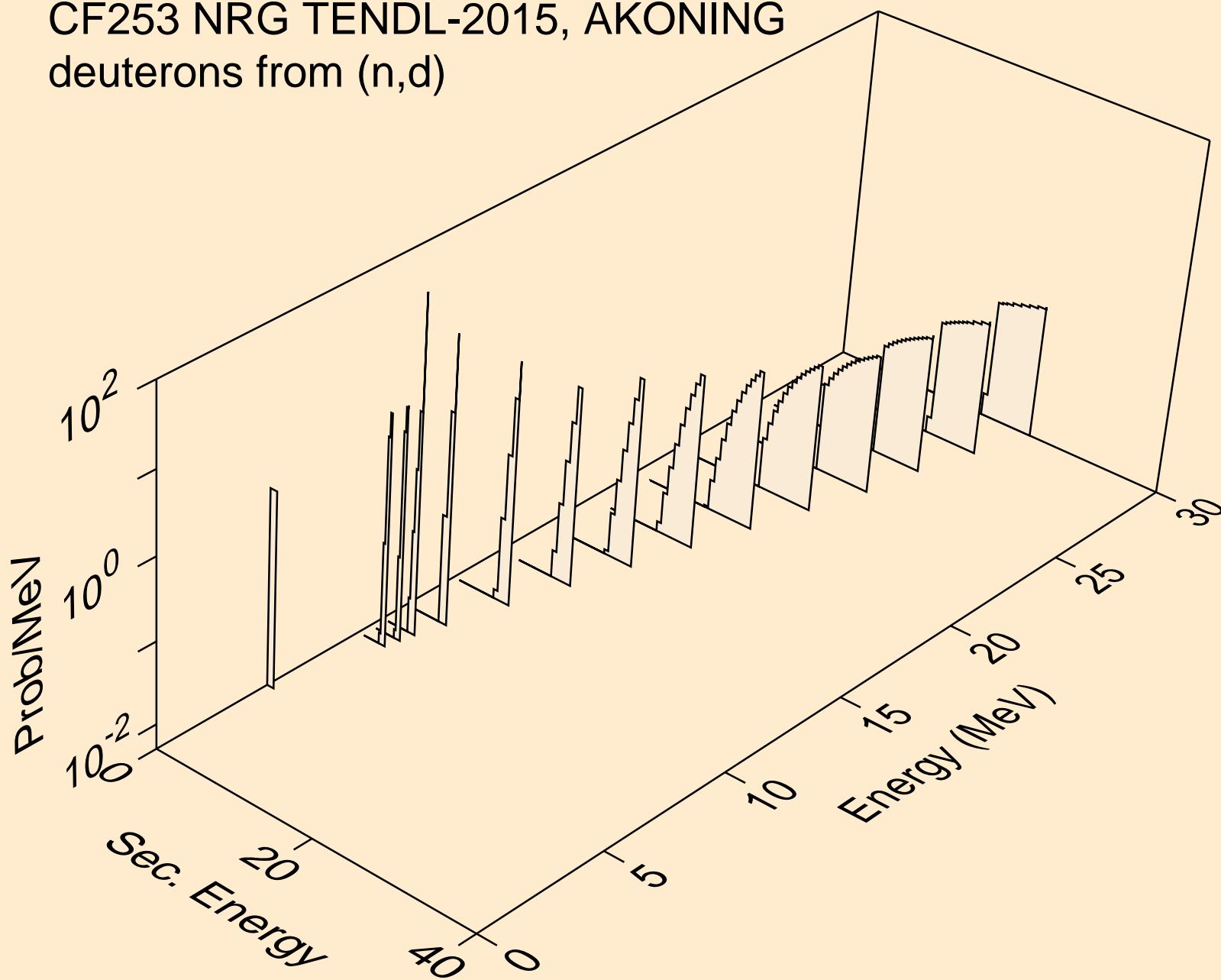
CF253 NRG TENDL-2015, AKONING  
deuterons from ( $n,2nd$ )



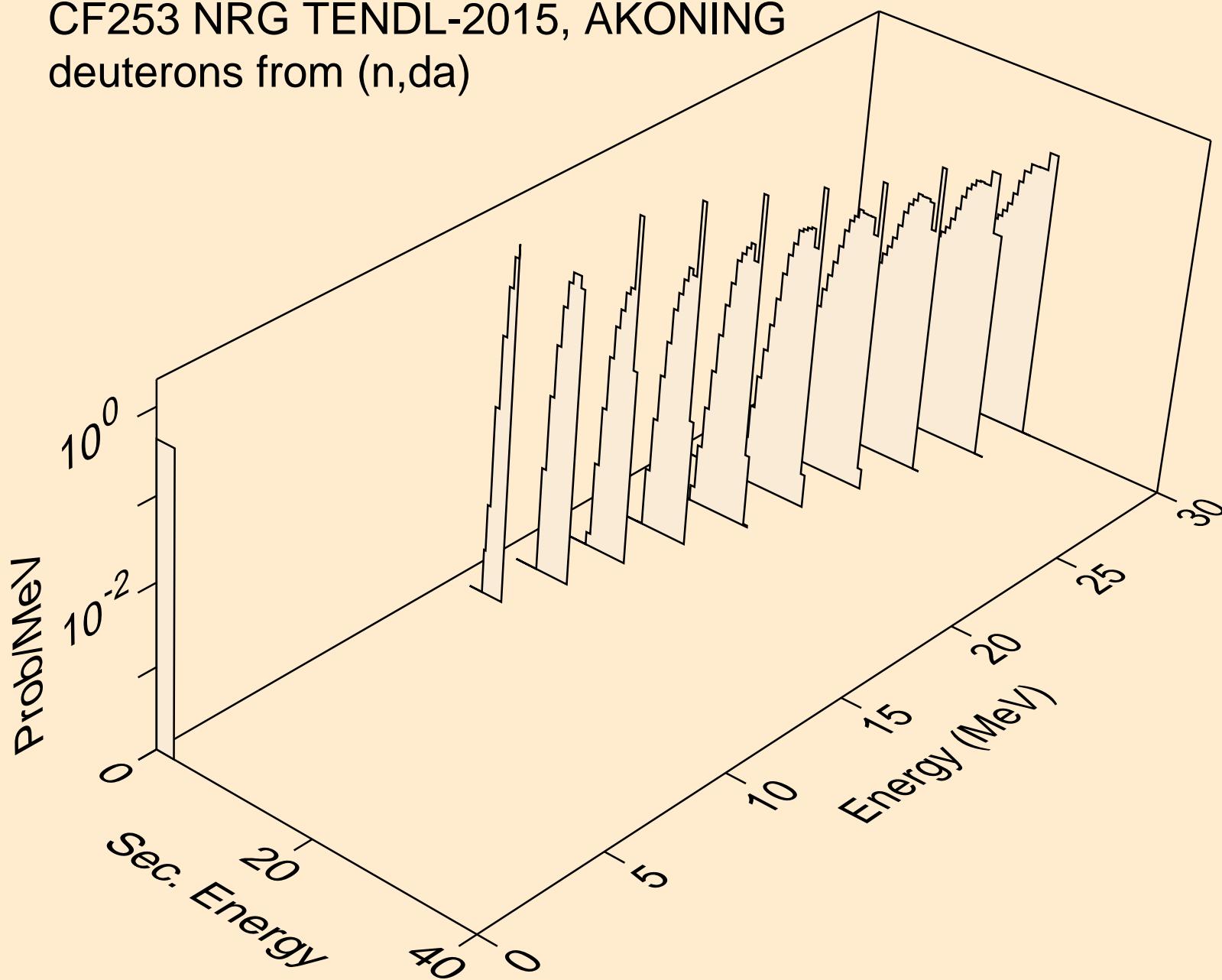
CF253 NRG TENDL-2015, AKONING  
deuterons from  $(n,n^*)d$



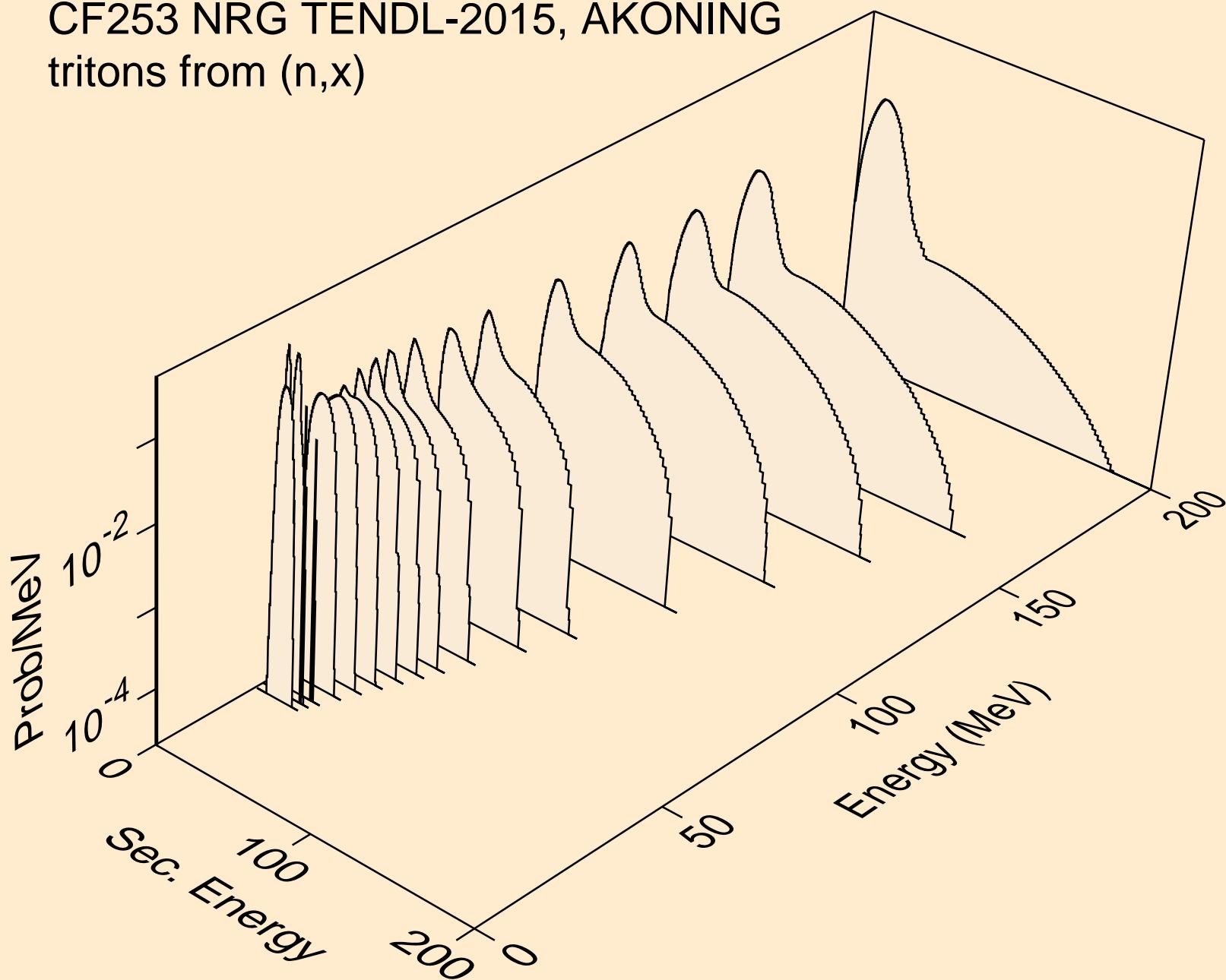
CF253 NRG TENDL-2015, AKONING  
deuterons from ( $n, d$ )



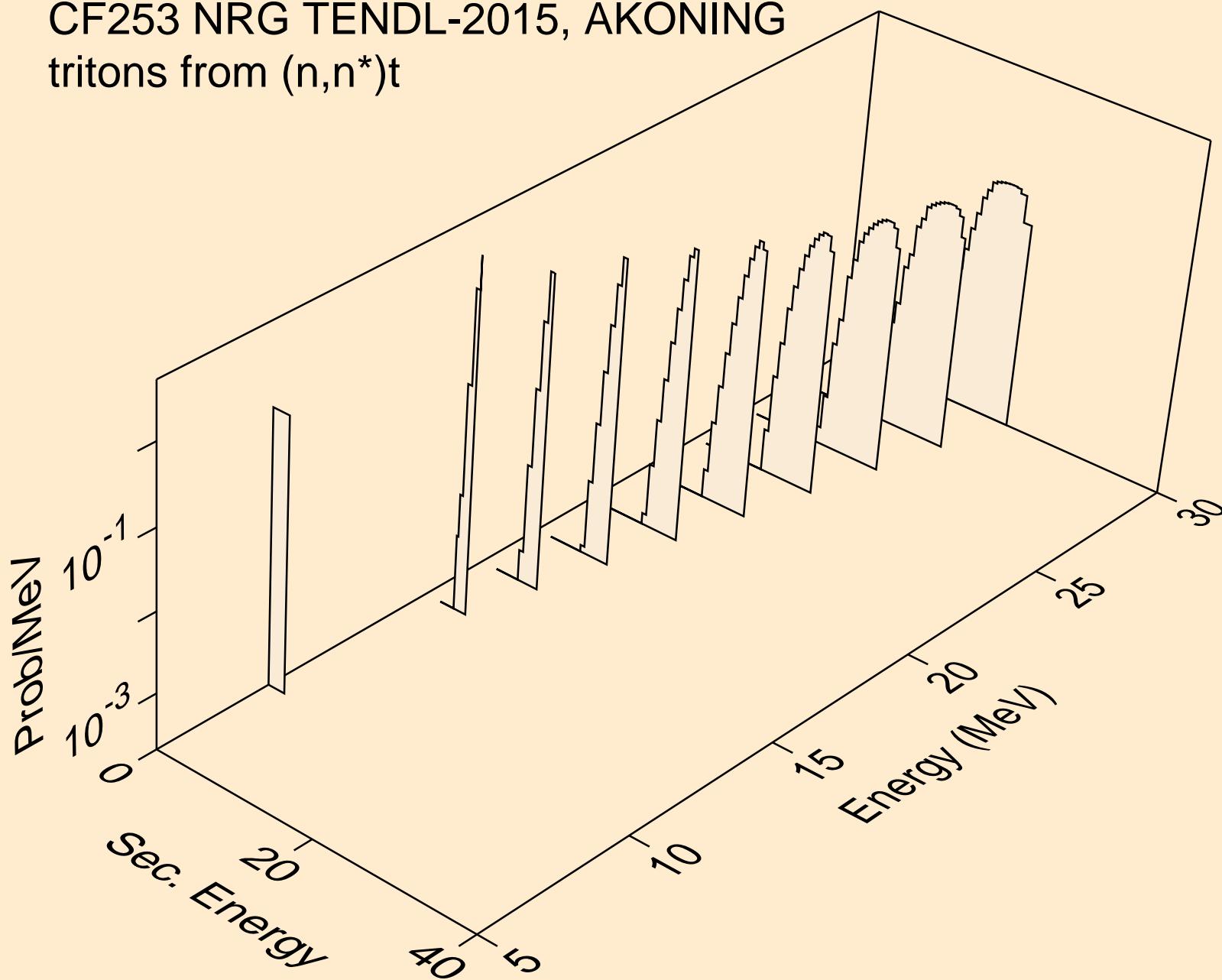
CF253 NRG TENDL-2015, AKONING  
deuterons from (n,da)



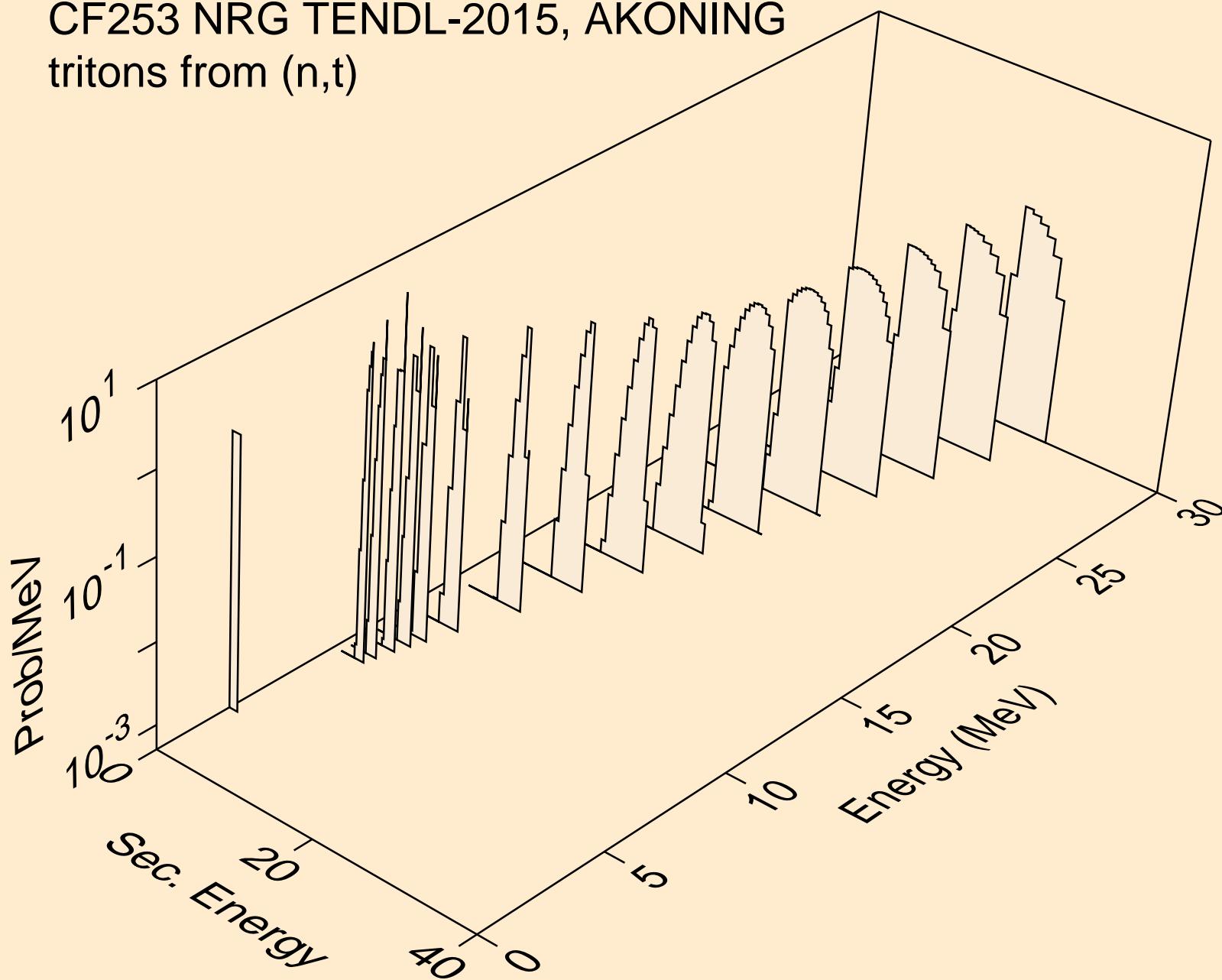
CF253 NRG TENDL-2015, AKONING  
tritons from ( $n,x$ )



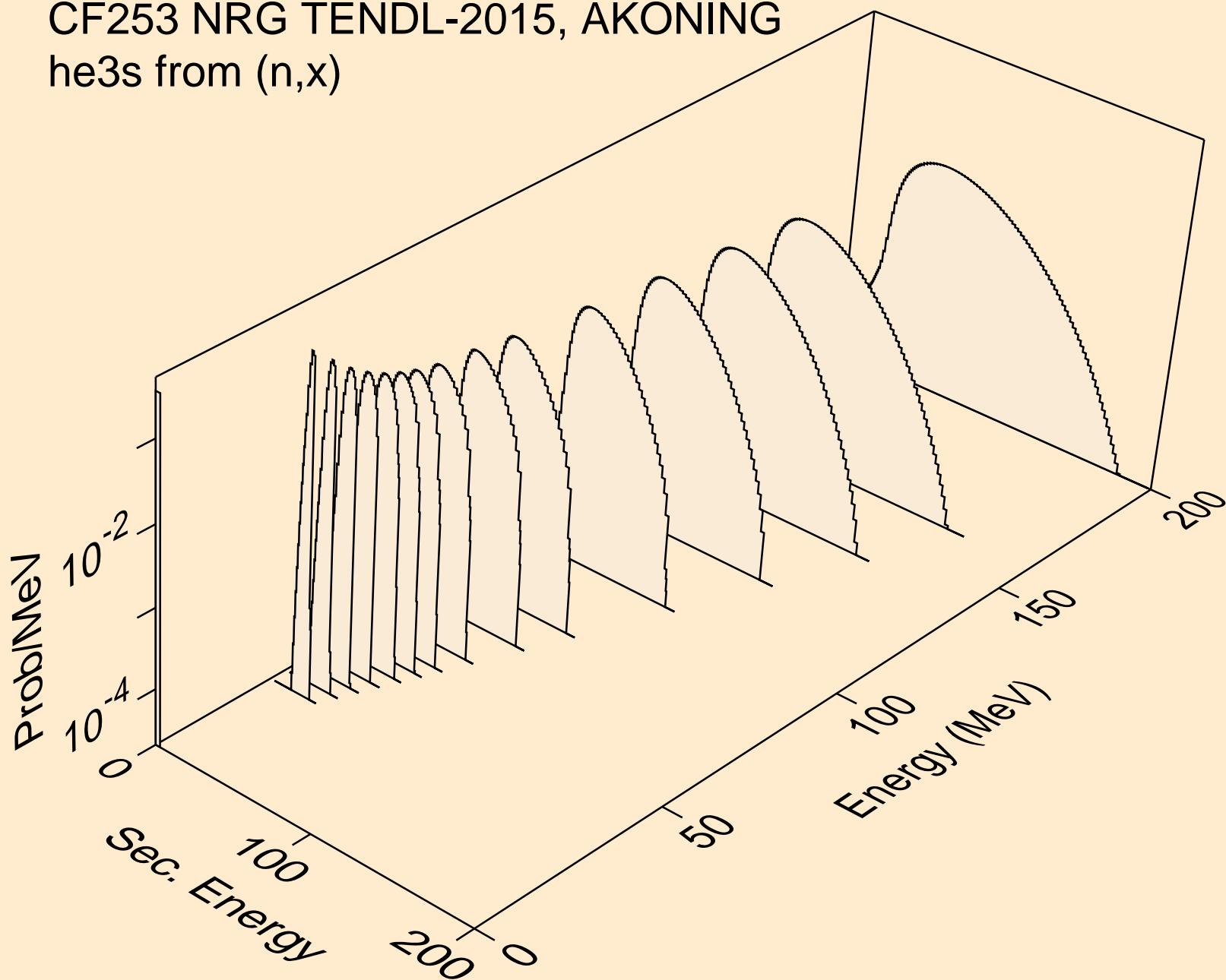
CF253 NRG TENDL-2015, AKONING  
tritons from  $(n,n^*)t$



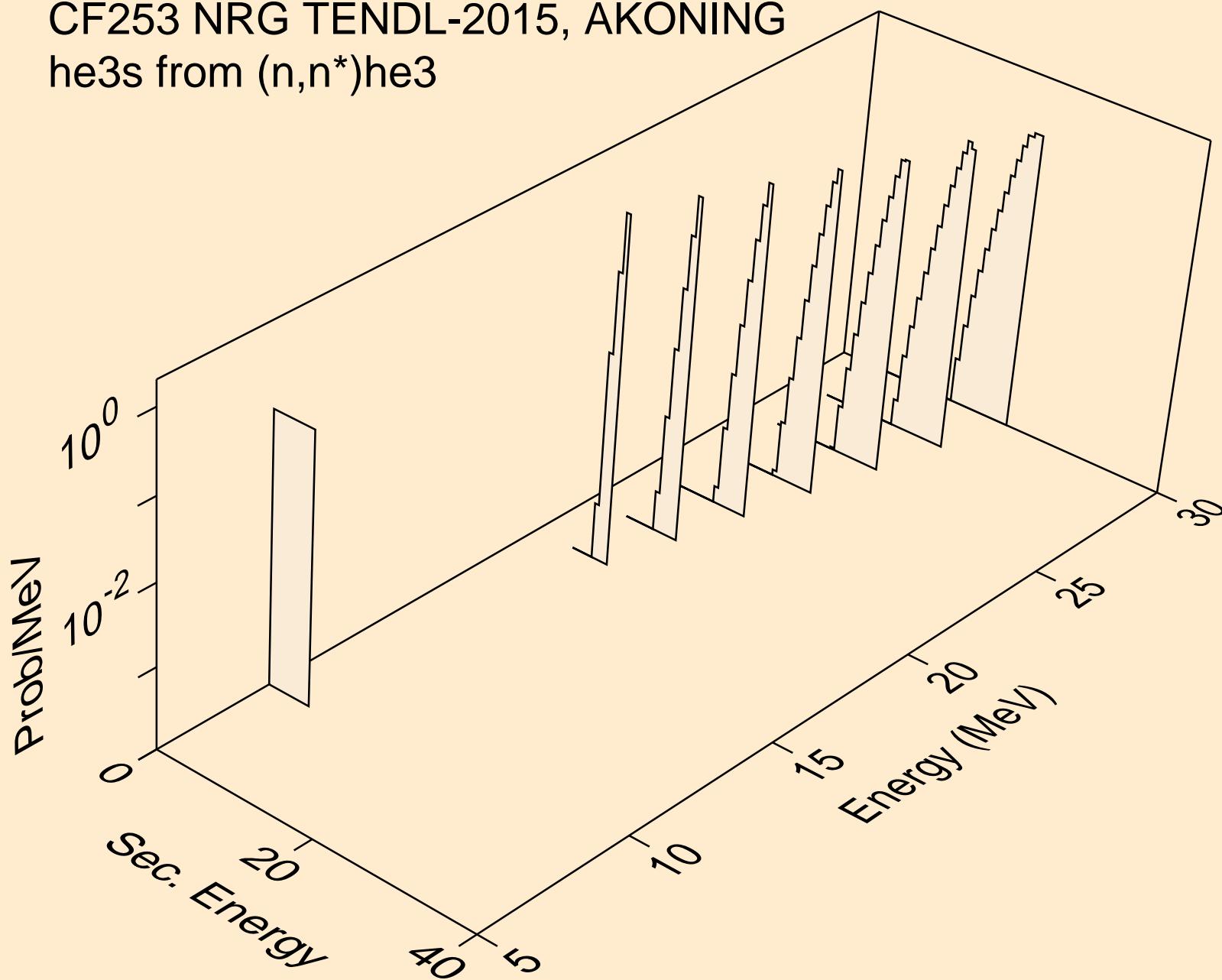
CF253 NRG TENDL-2015, AKONING  
tritons from ( $n, t$ )



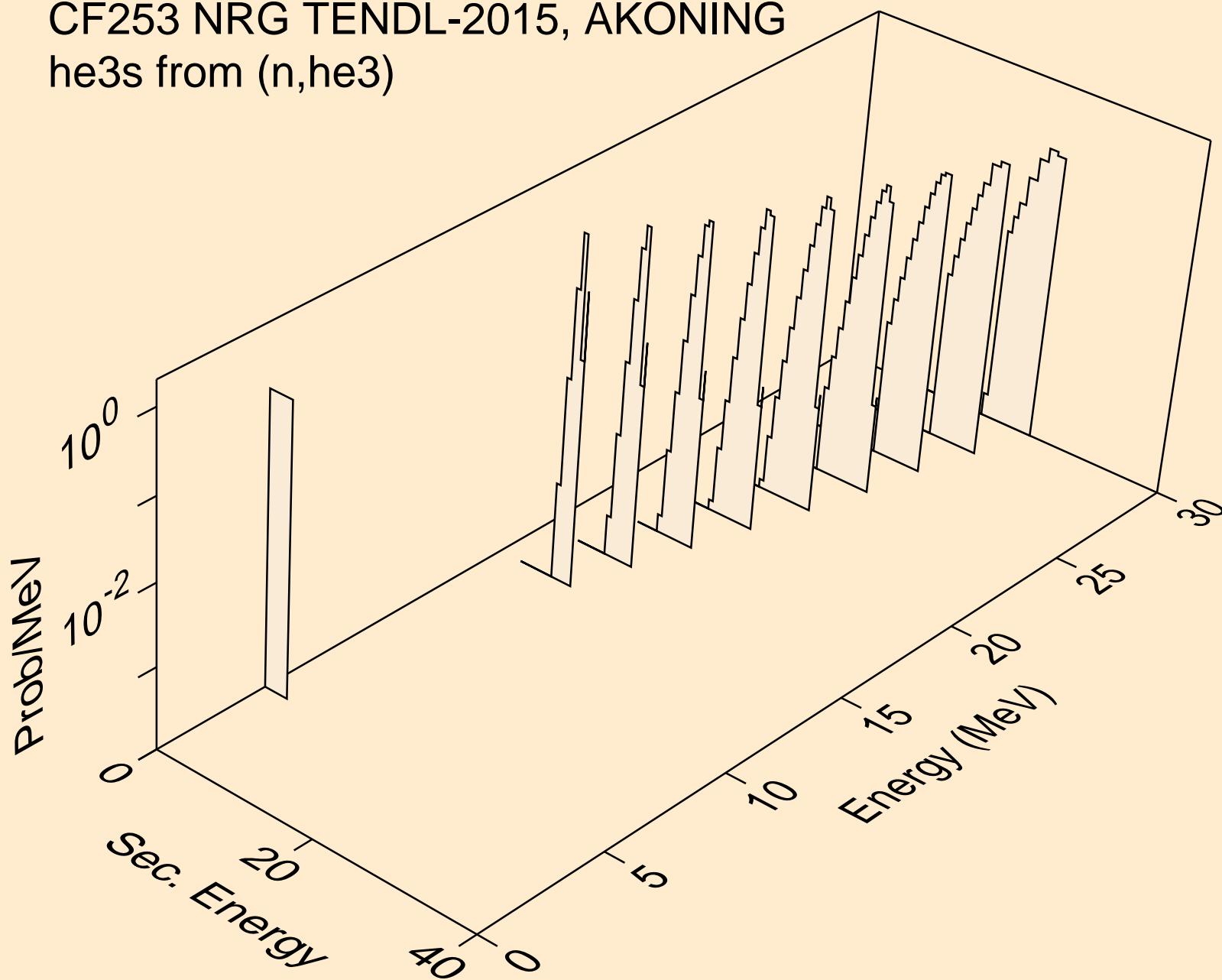
CF253 NRG TENDL-2015, AKONING  
he3s from (n,x)



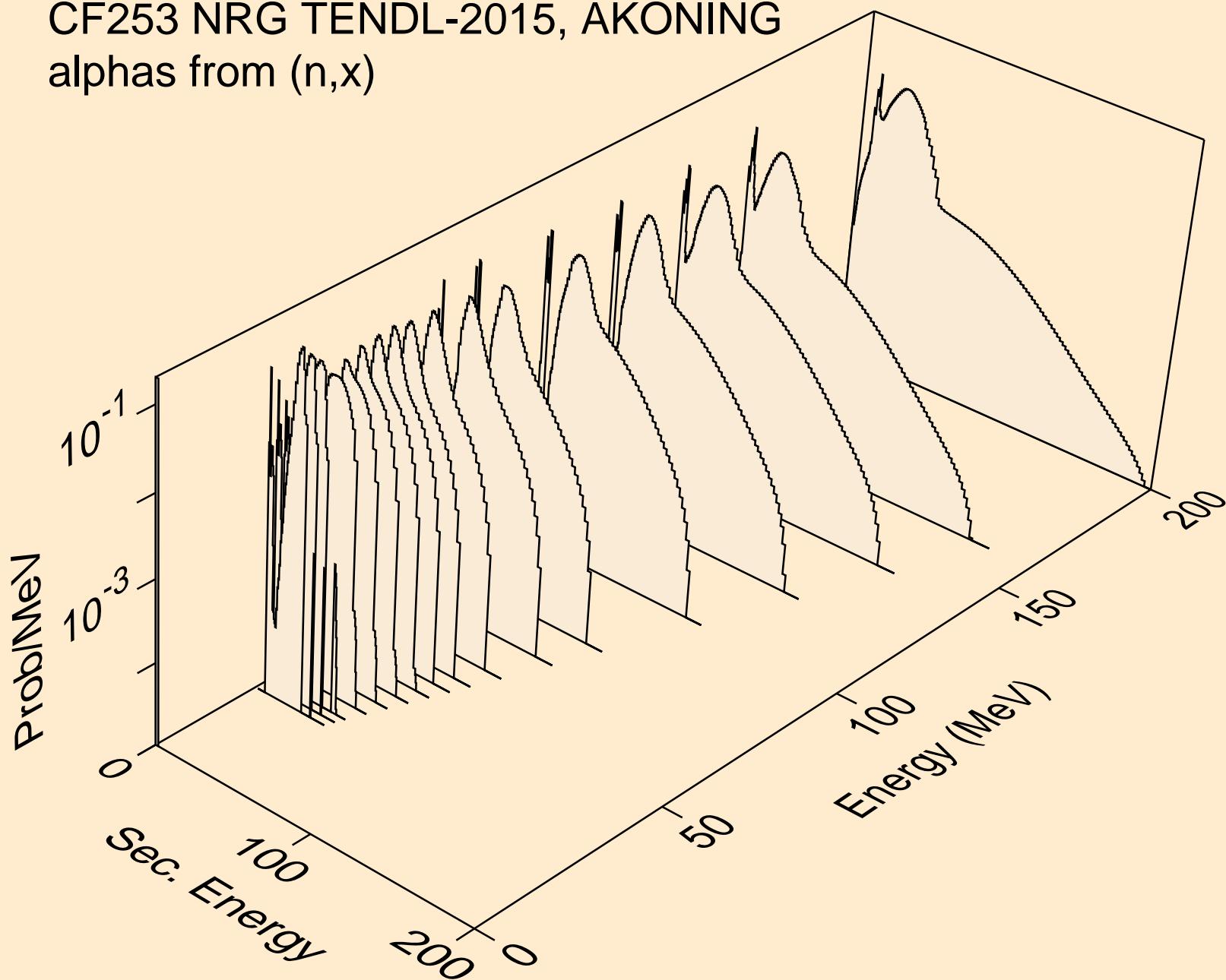
CF253 NRG TENDL-2015, AKONING  
he3s from  $(n,n^*)\text{he3}$



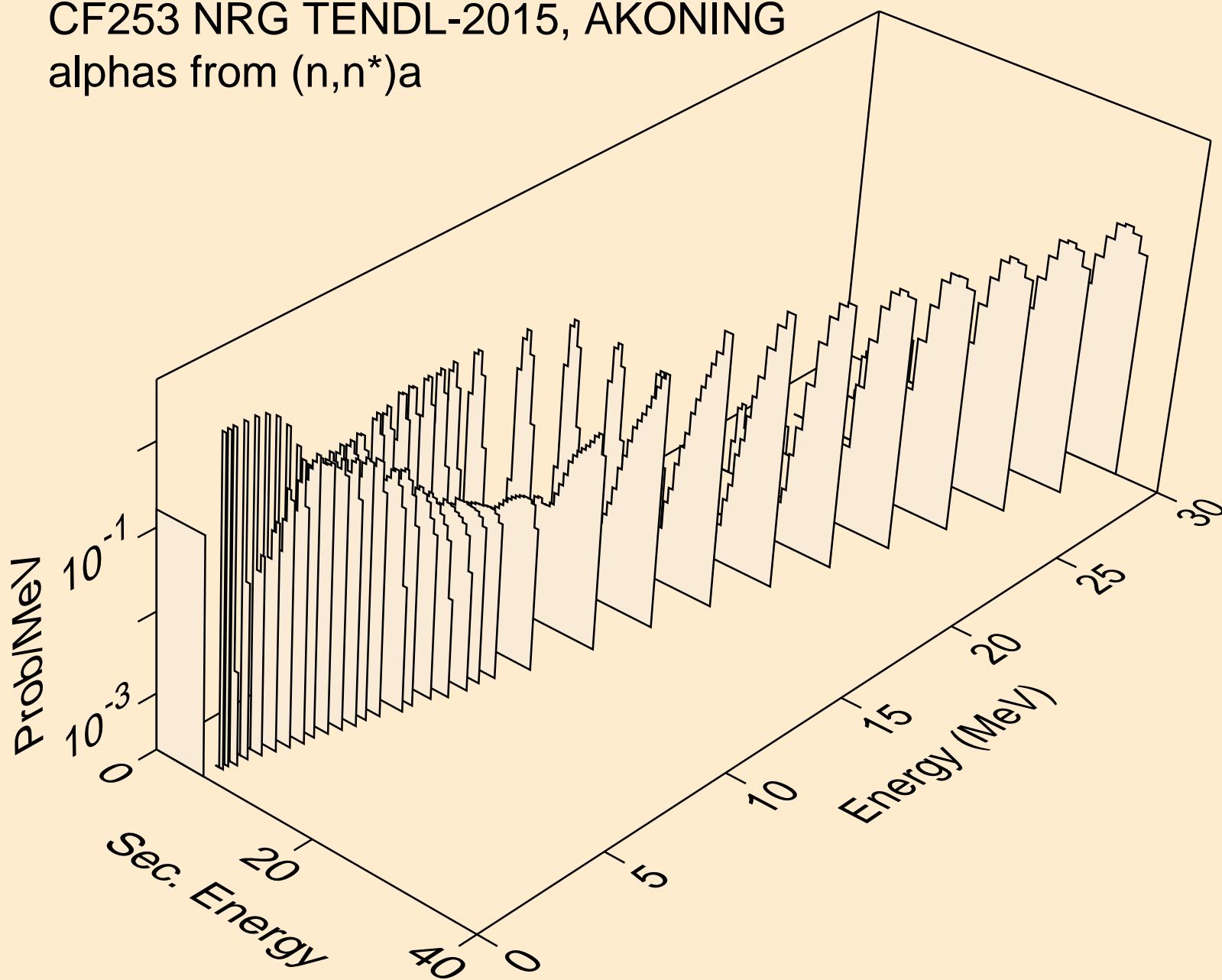
CF253 NRG TENDL-2015, AKONING  
he3s from (n,he3)



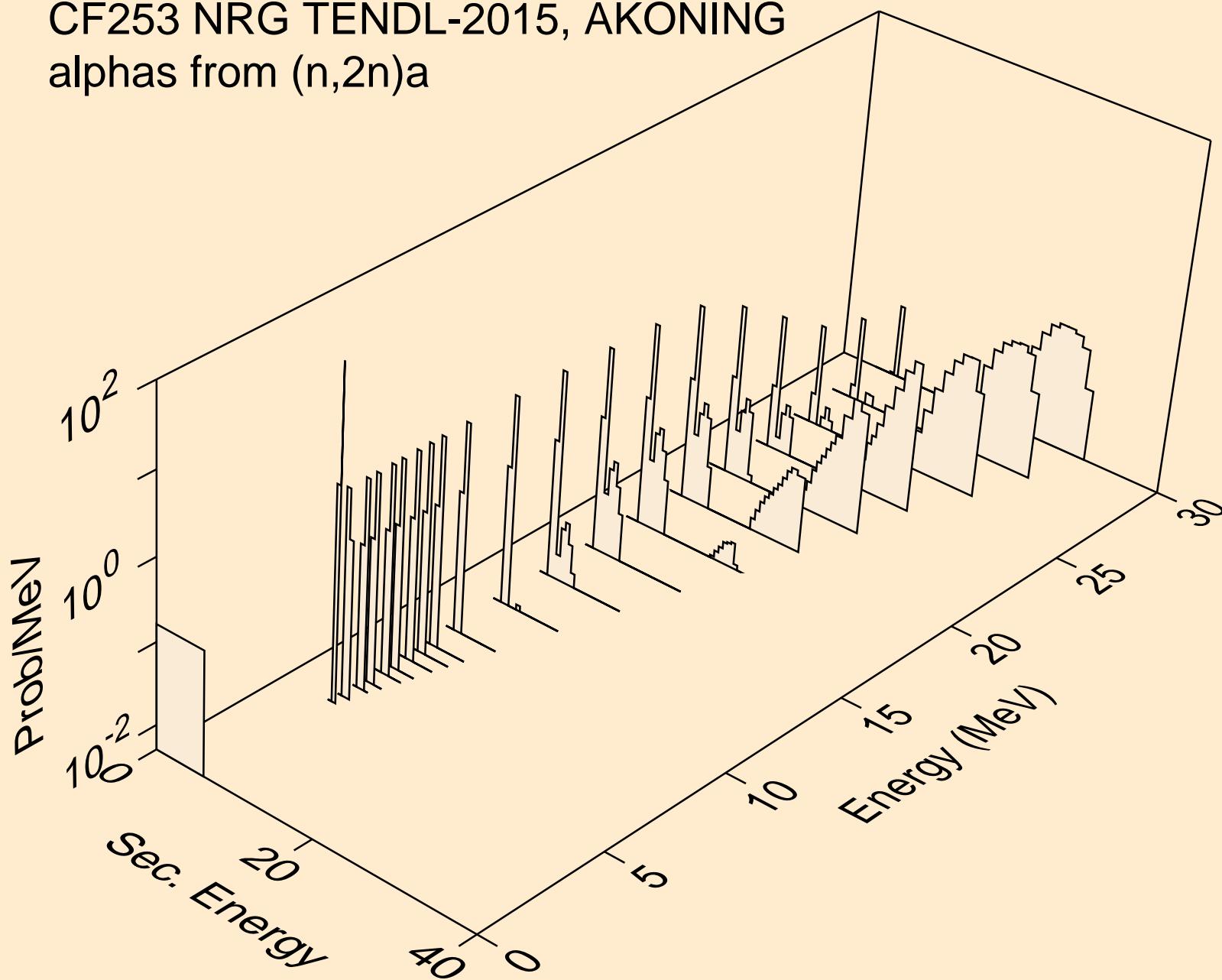
CF253 NRG TENDL-2015, AKONING  
alphas from (n,x)



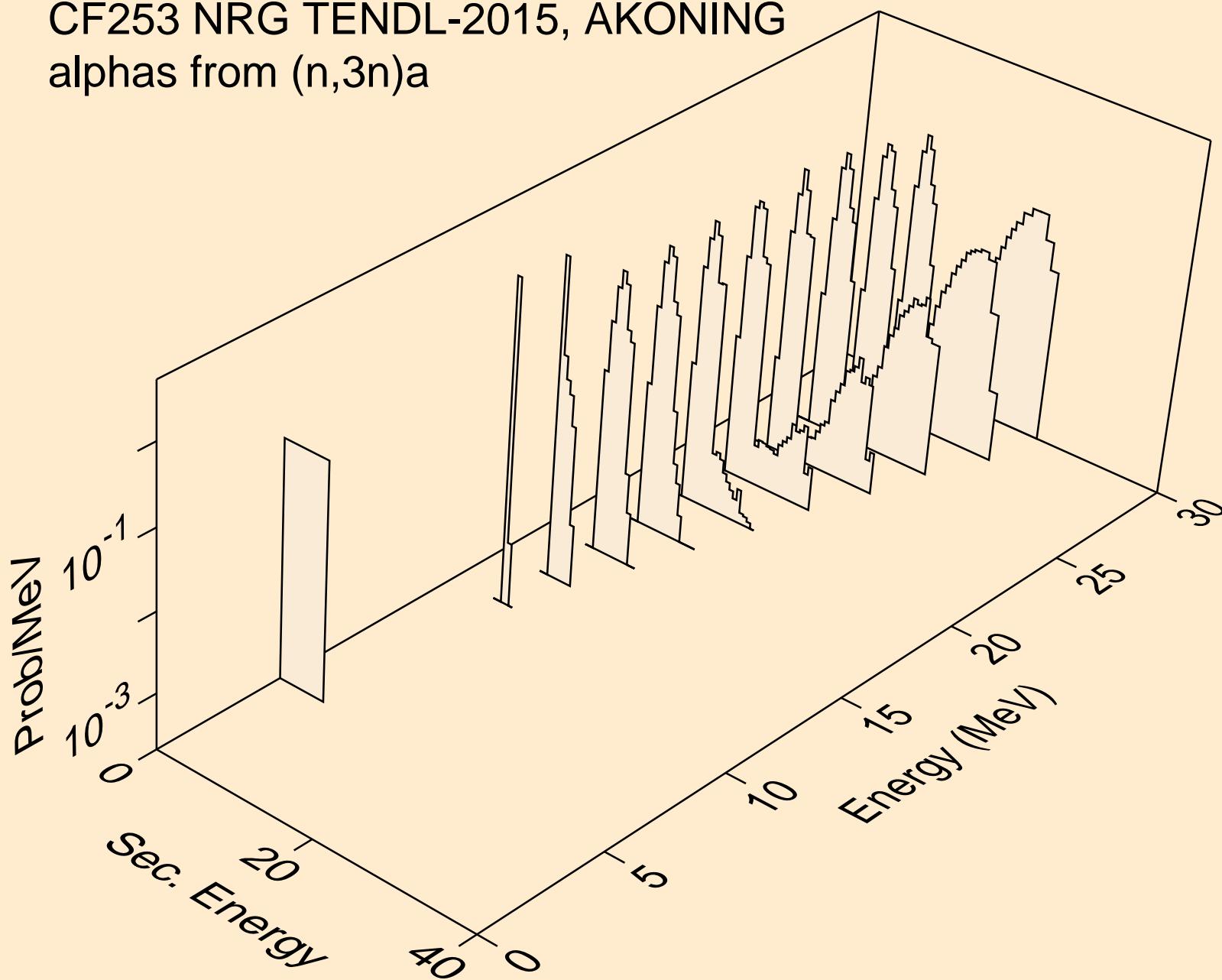
CF253 NRG TENDL-2015, AKONING  
alphas from  $(n,n^*)a$



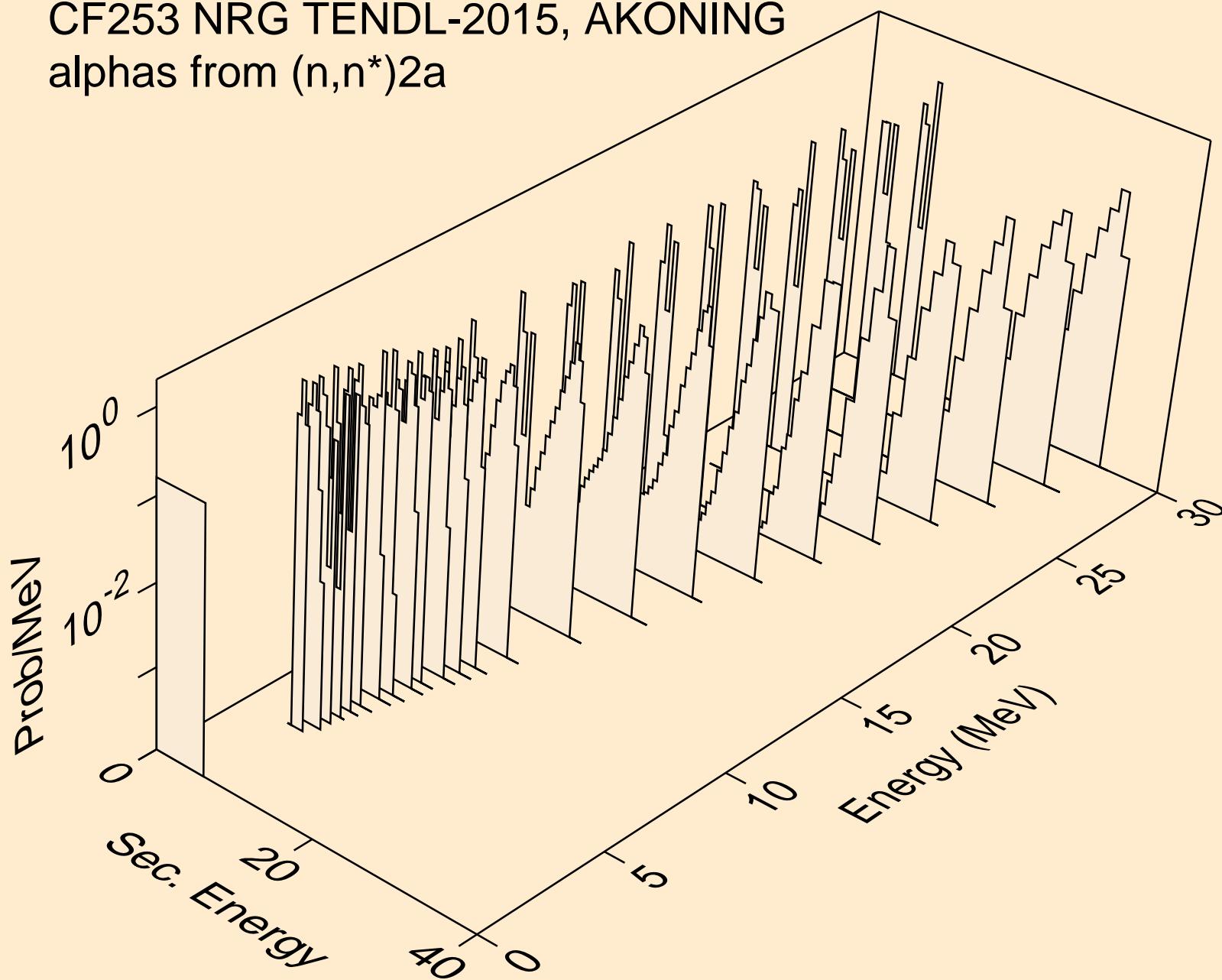
CF253 NRG TENDL-2015, AKONING  
alphas from  $(n,2n)a$



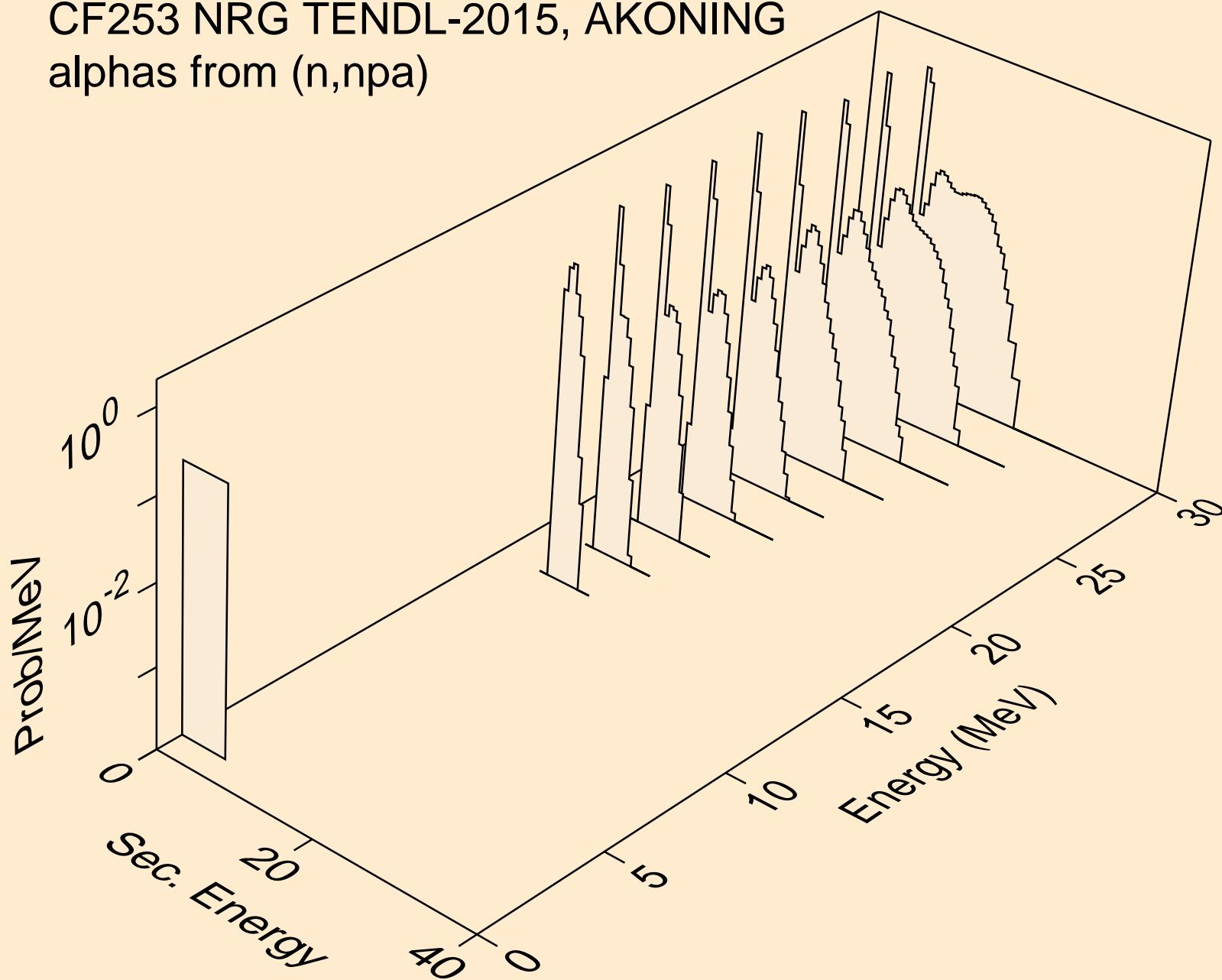
CF253 NRG TENDL-2015, AKONING  
alphas from  $(n,3n)a$



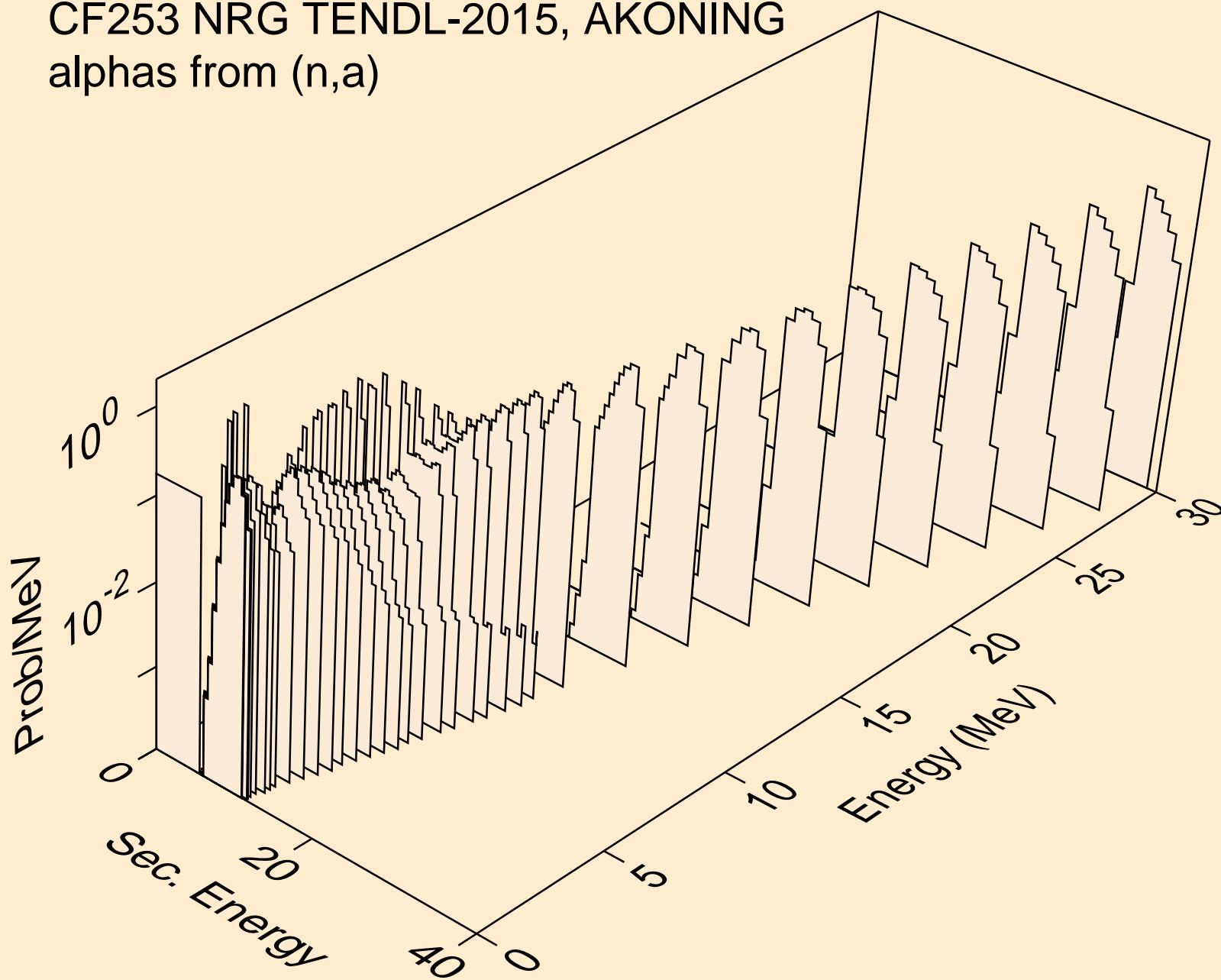
CF253 NRG TENDL-2015, AKONING  
alphas from  $(n,n^*)2a$



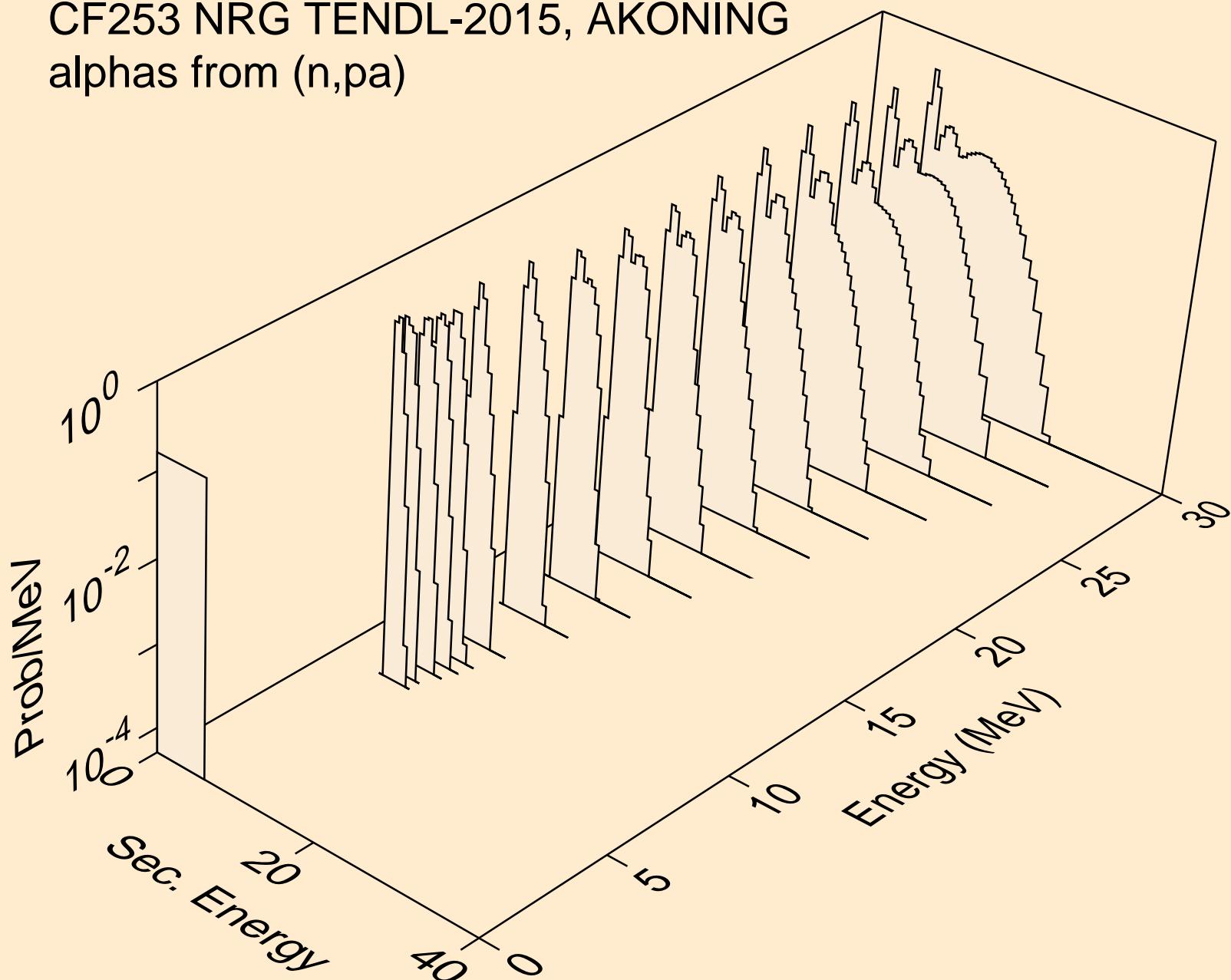
CF253 NRG TENDL-2015, AKONING  
alphas from (n,npa)



CF253 NRG TENDL-2015, AKONING  
alphas from (n,a)



CF253 NRG TENDL-2015, AKONING  
alphas from (n,pa)



CF253 NRG TENDL-2015, AKONING  
alphas from (n,da)

