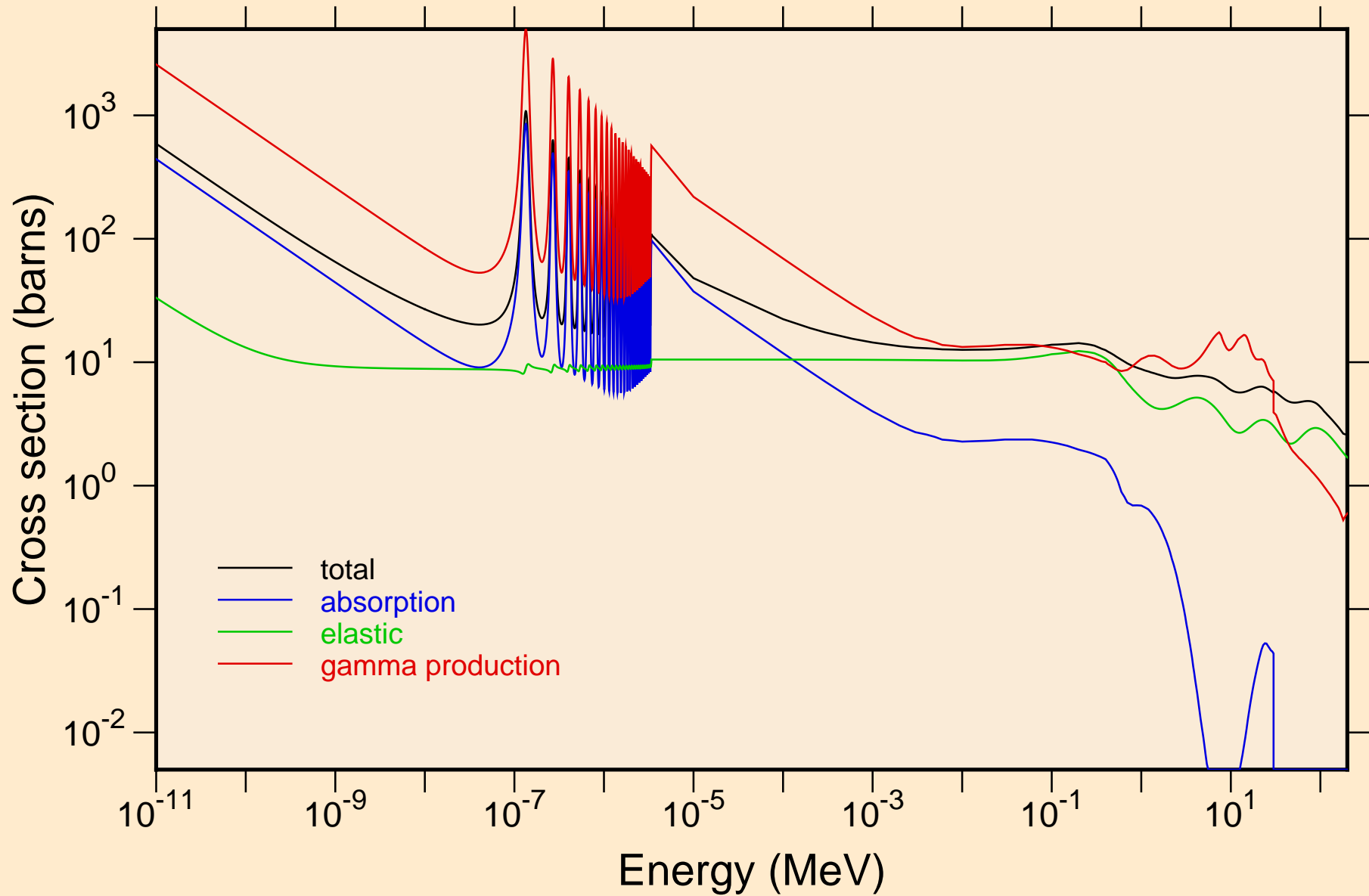
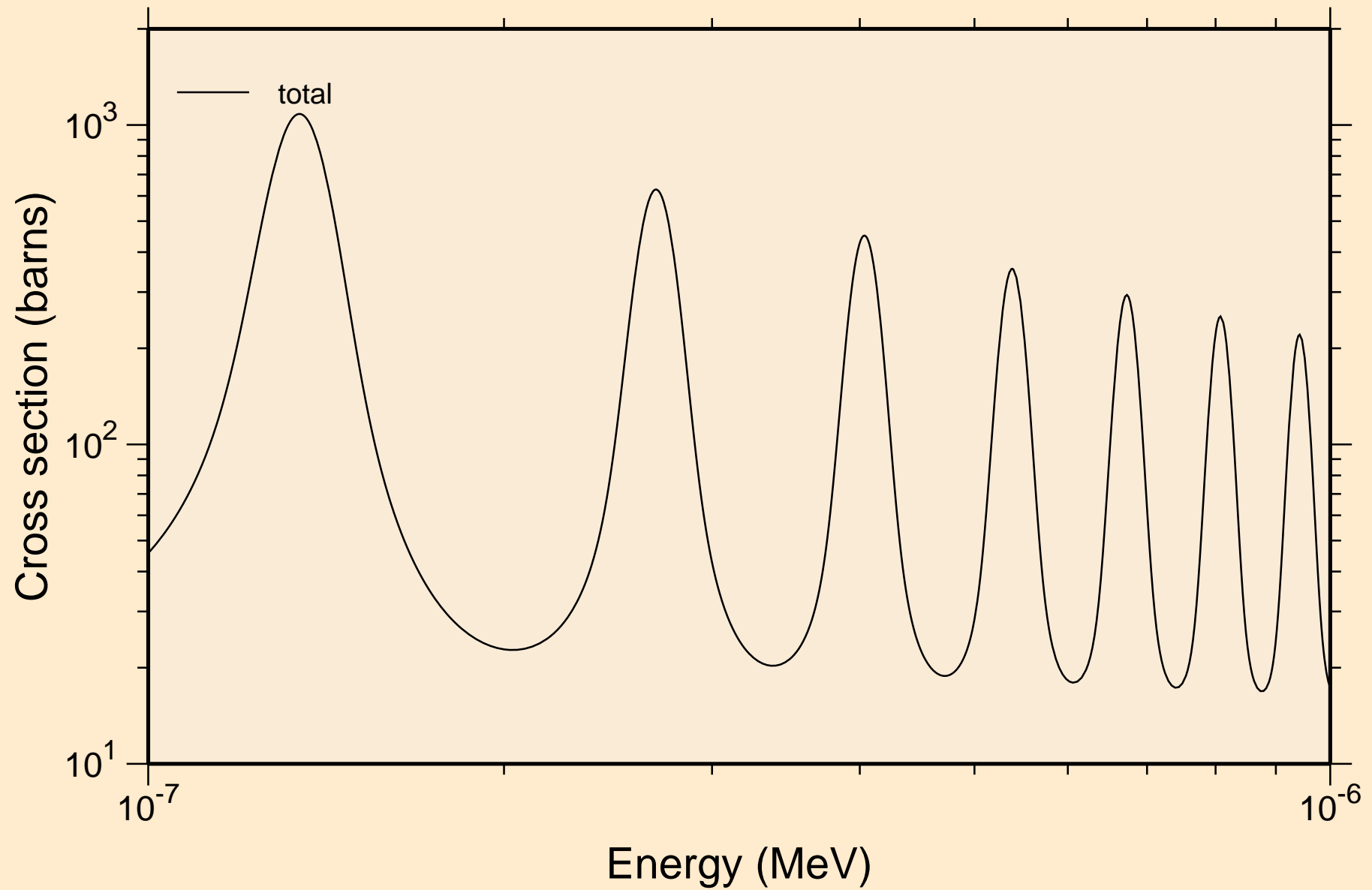


# ES249 NRG TENDL-2015, AKONING

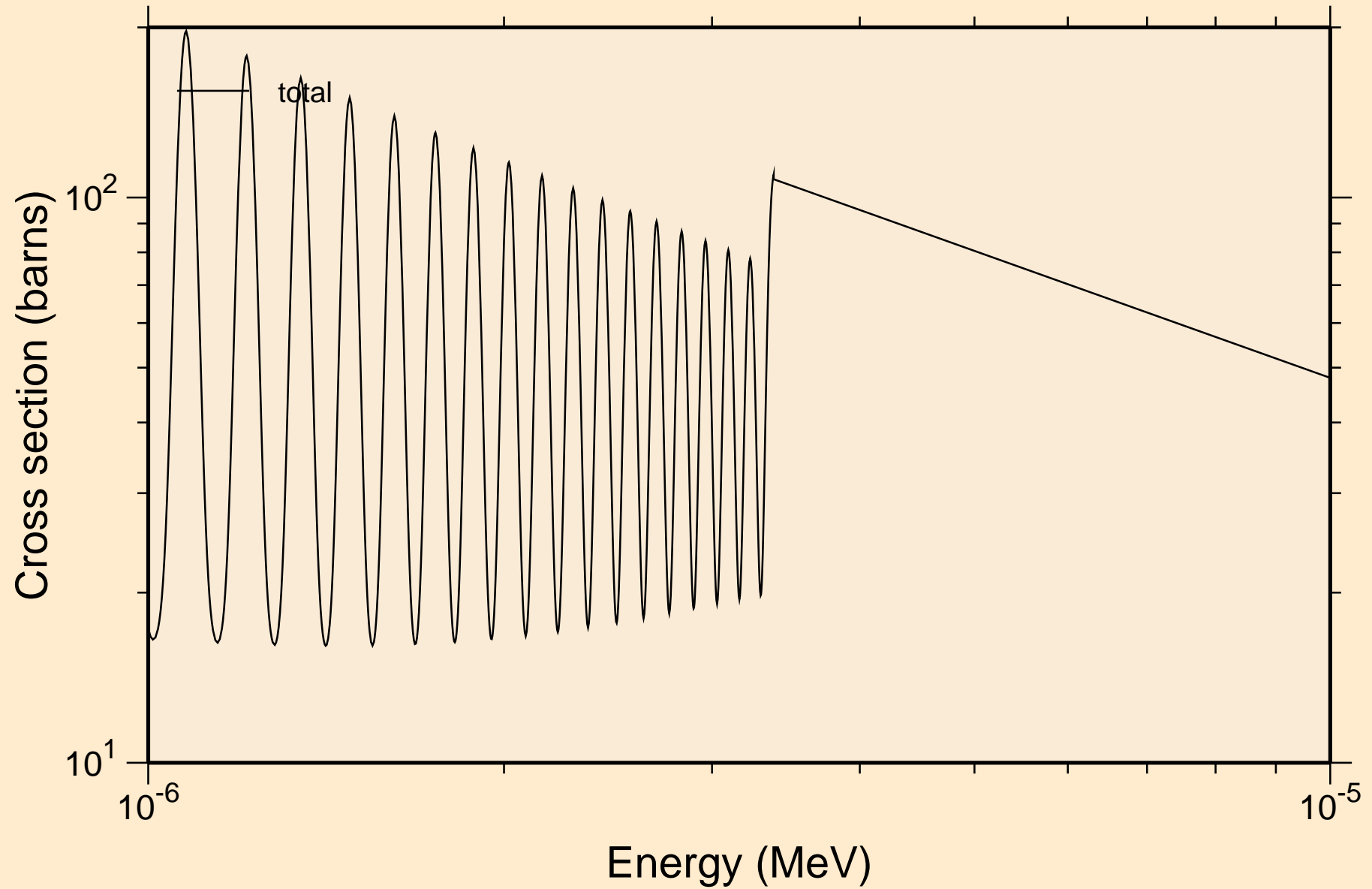
## Principal cross sections



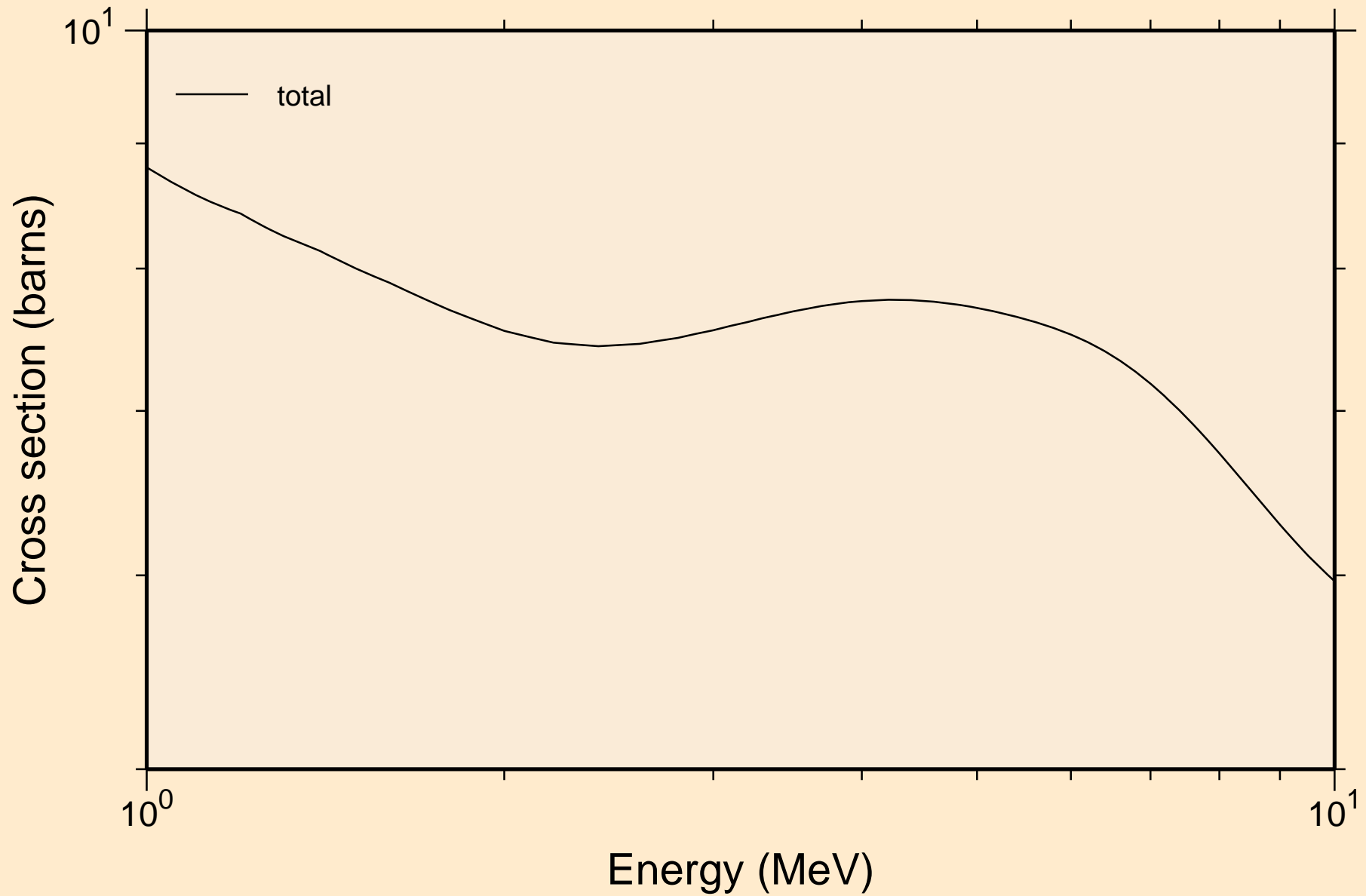
ES249 NRG TENDL-2015, AKONING  
resonance total cross section



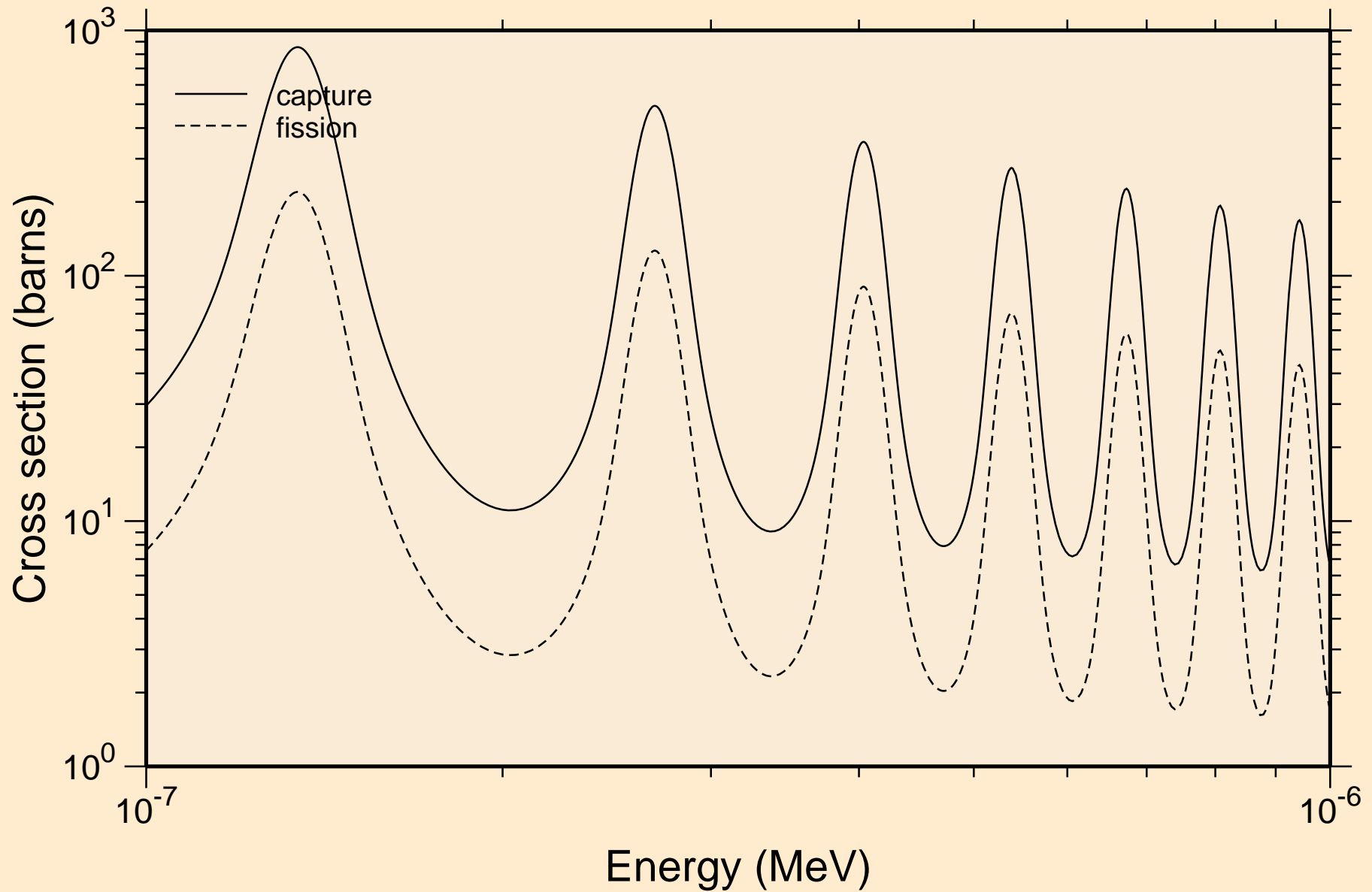
ES249 NRG TENDL-2015, AKONING  
resonance total cross section



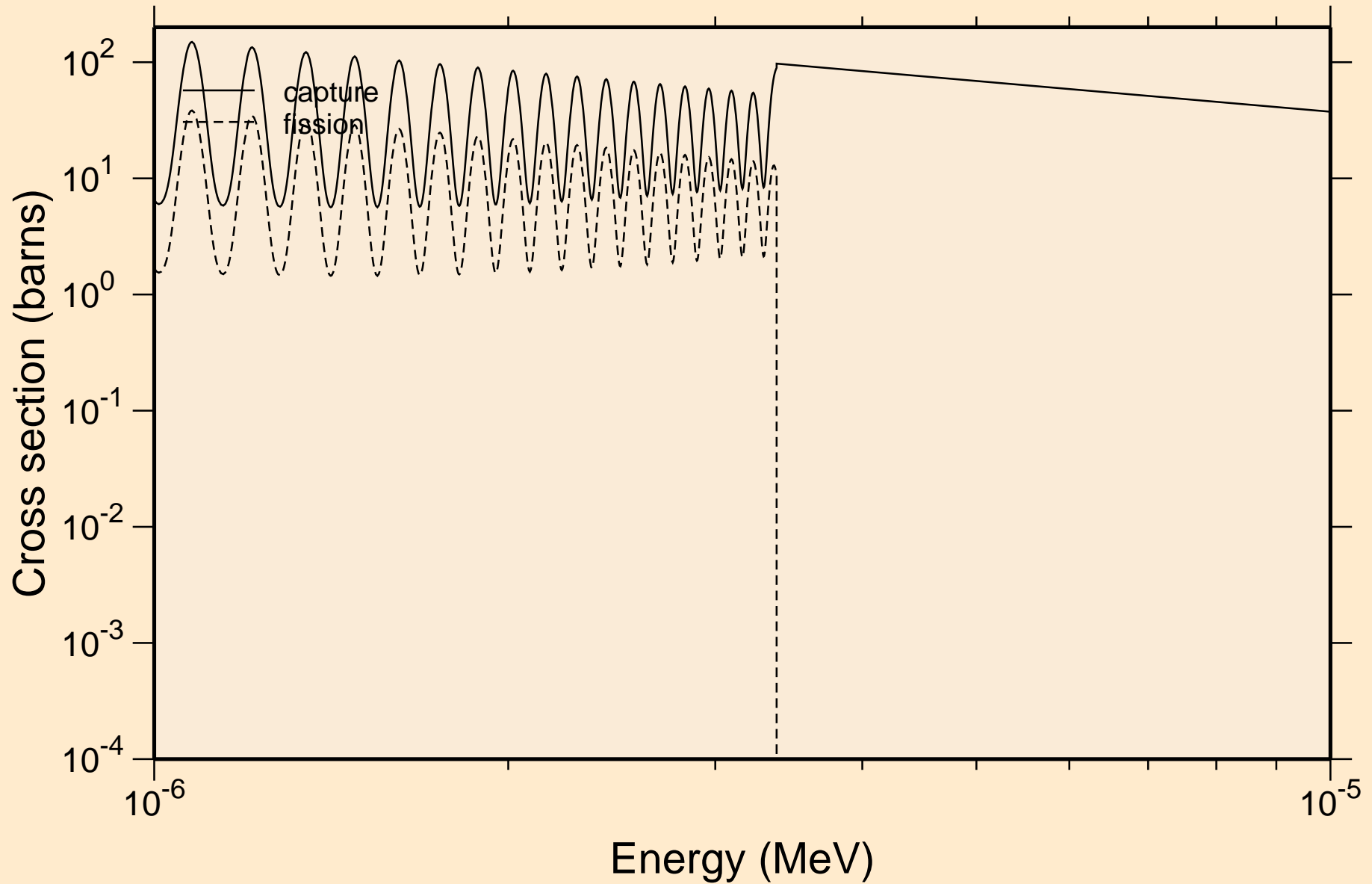
ES249 NRG TENDL-2015, AKONING  
resonance total cross section



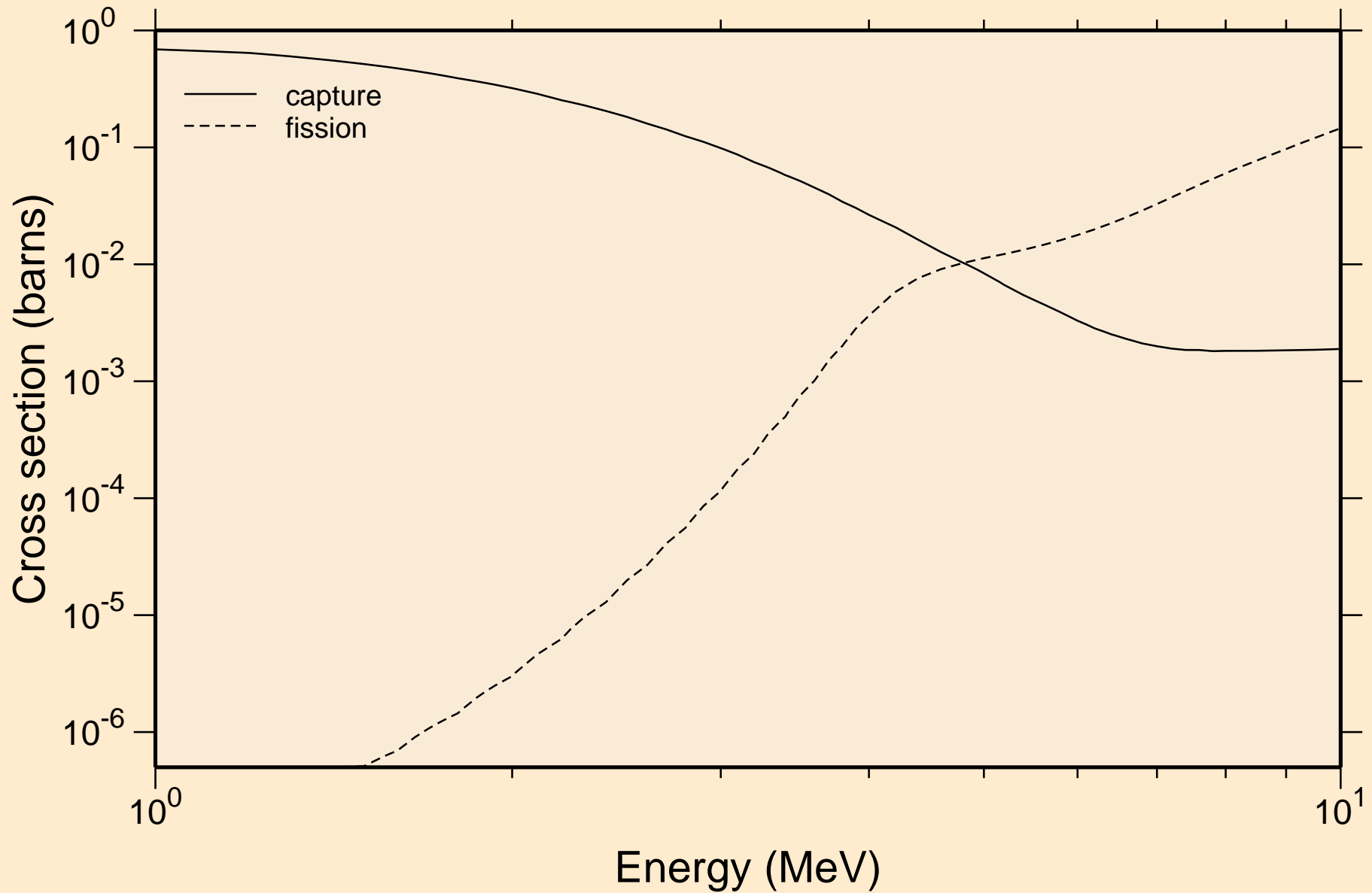
ES249 NRG TENDL-2015, AKONING  
resonance absorption cross sections



ES249 NRG TENDL-2015, AKONING  
resonance absorption cross sections

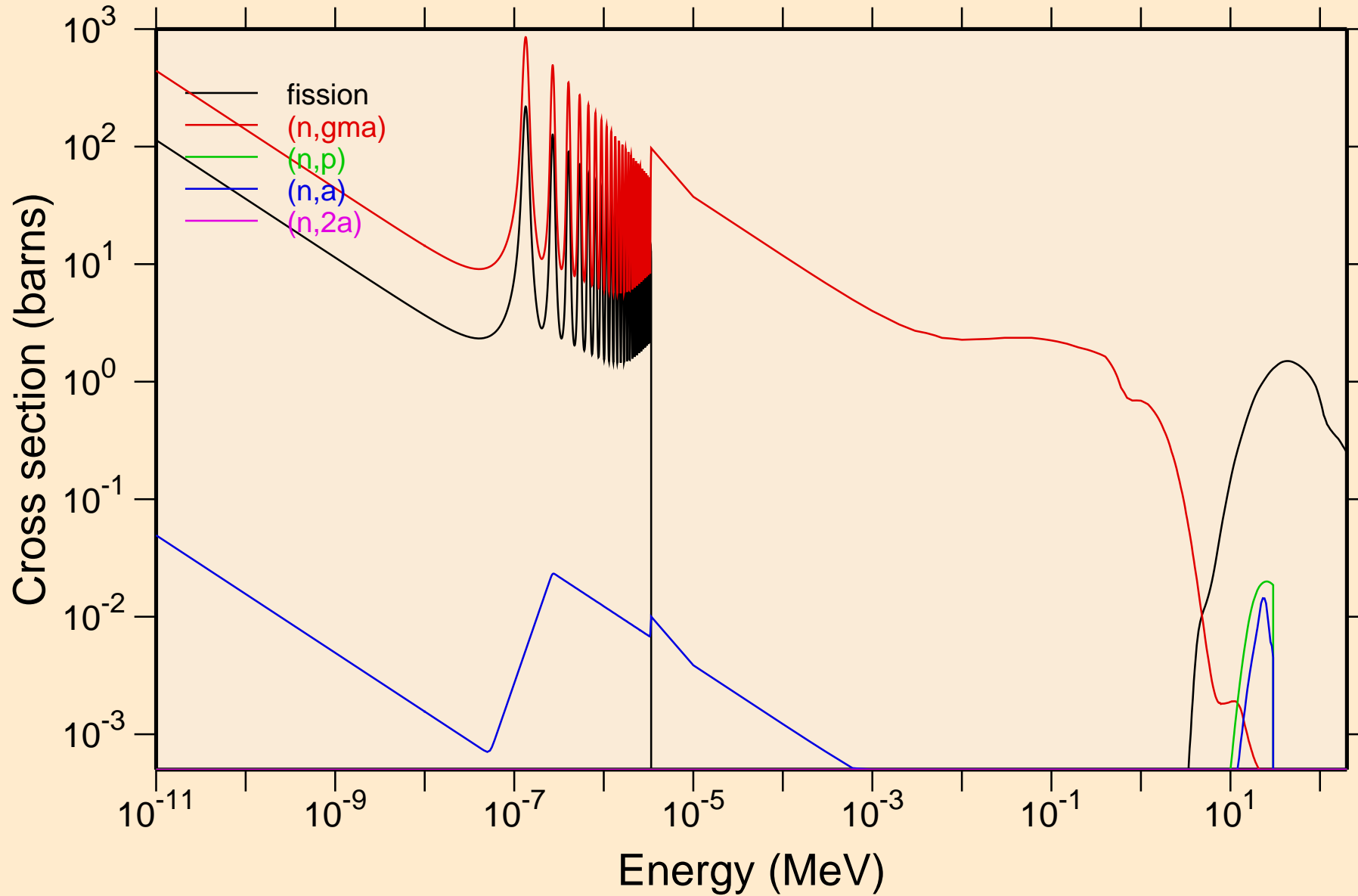


ES249 NRG TENDL-2015, AKONING  
resonance absorption cross sections



# ES249 NRG TENDL-2015, AKONING

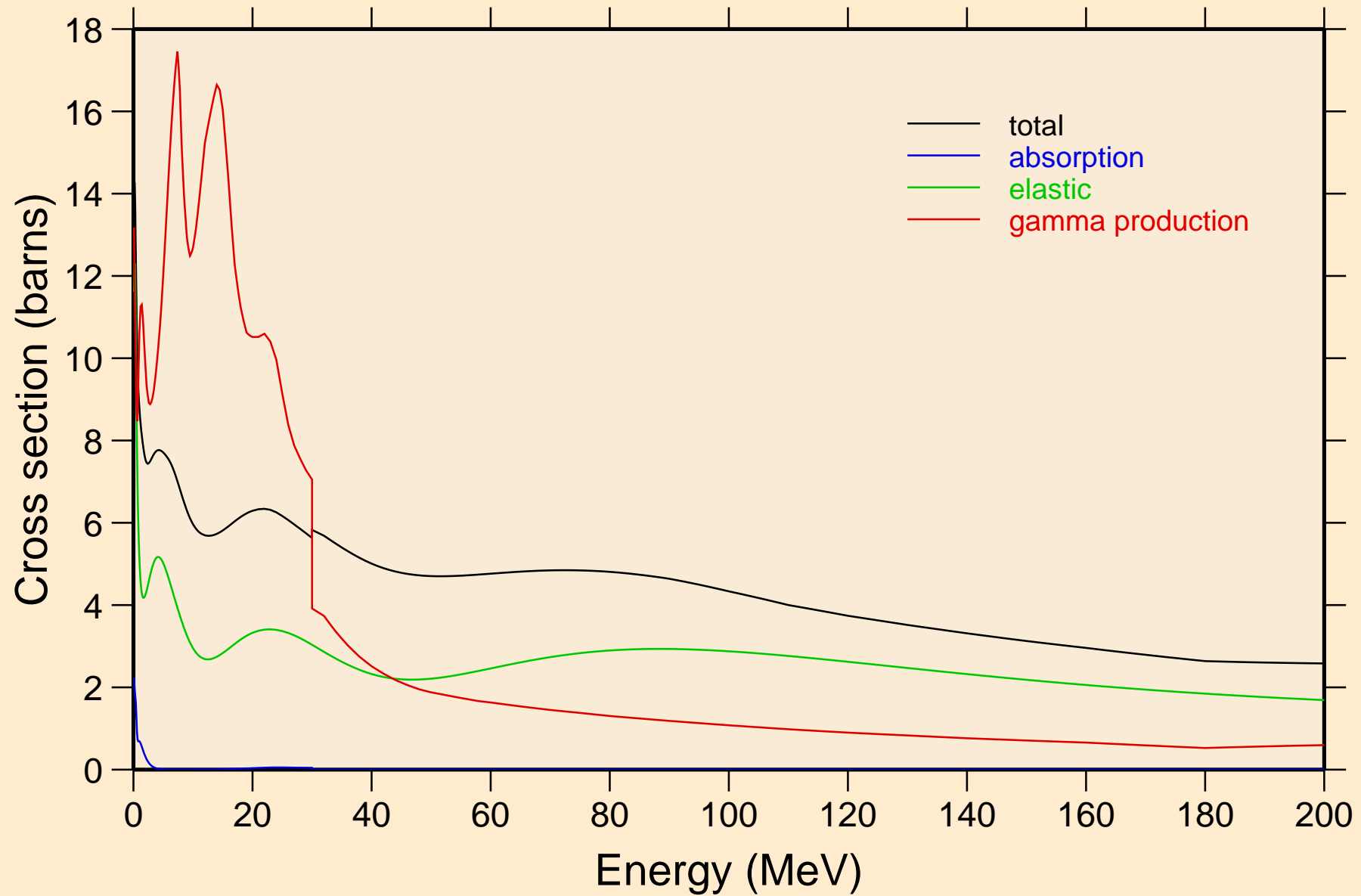
## Non-threshold reactions





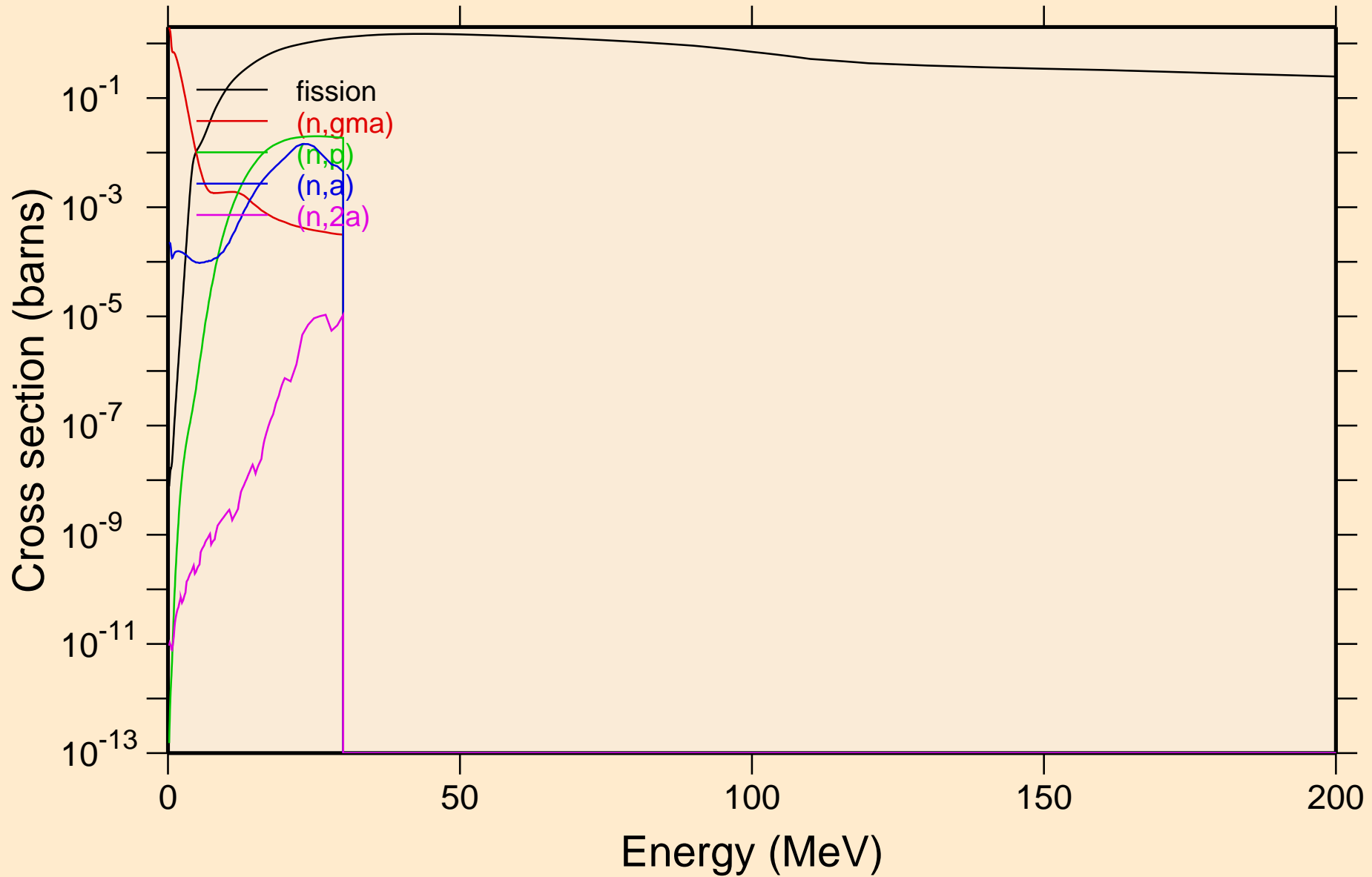
# ES249 NRG TENDL-2015, AKONING

## Principal cross sections



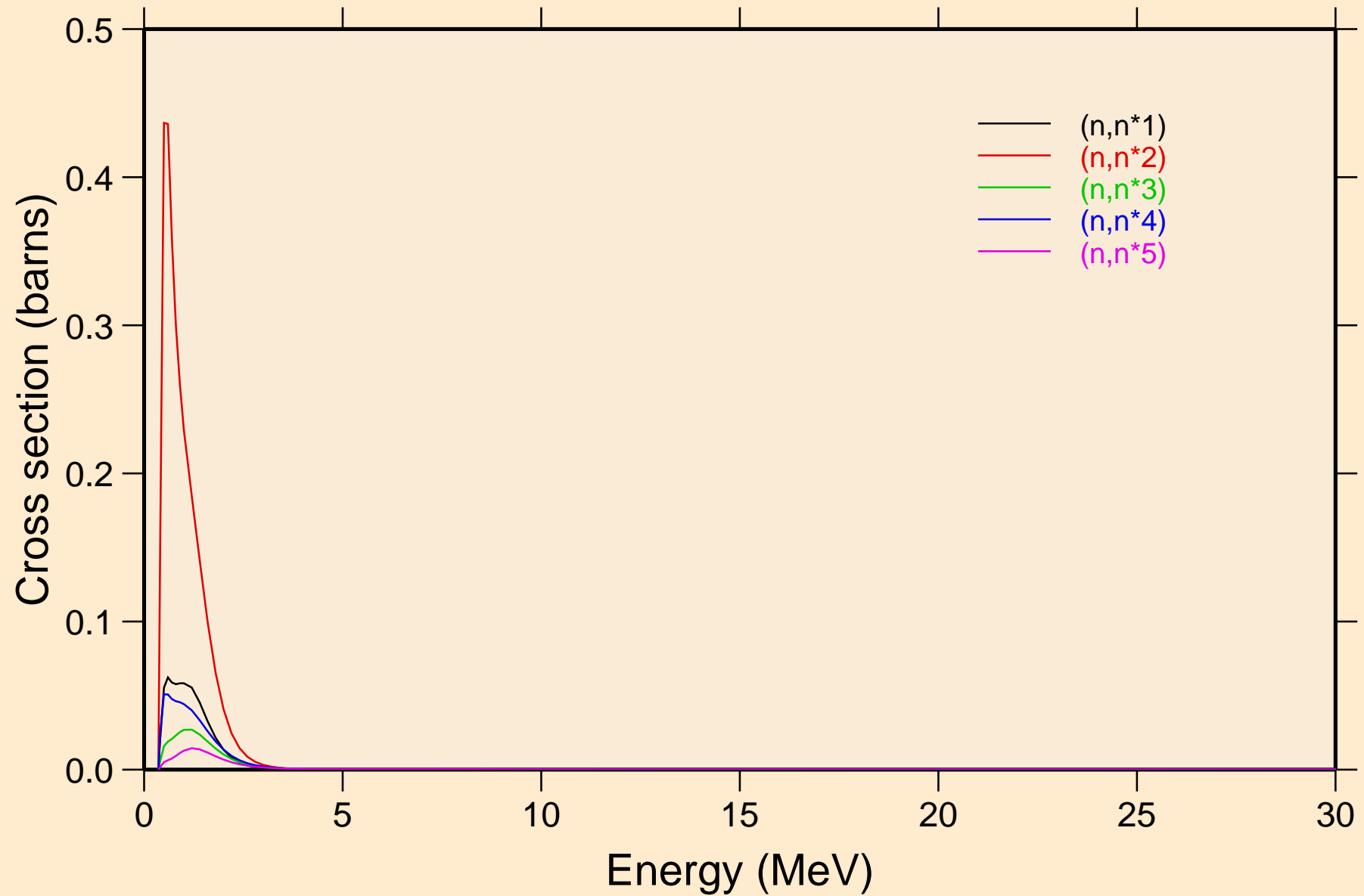
# ES249 NRG TENDL-2015, AKONING

## Non-threshold reactions



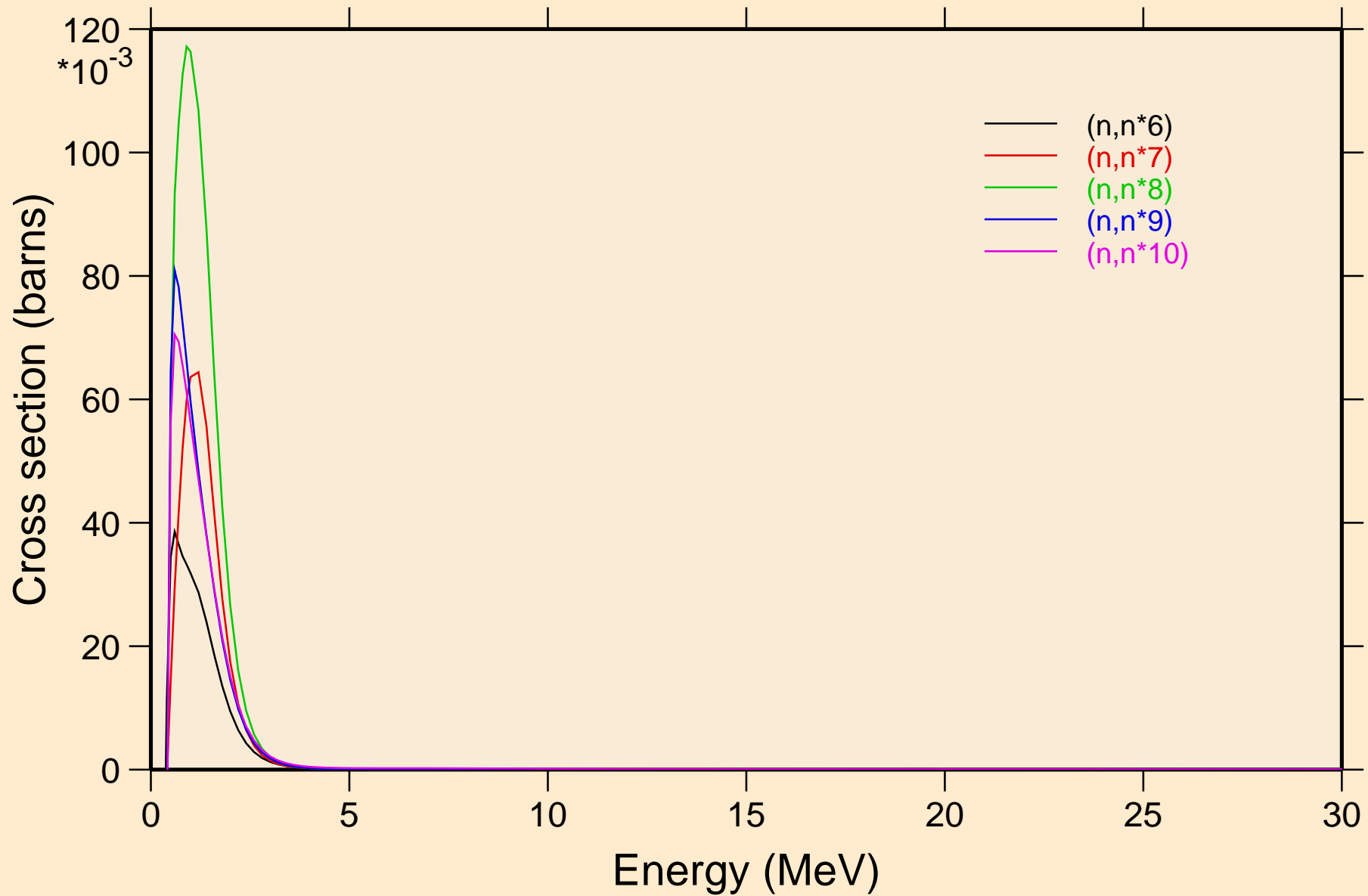
# ES249 NRG TENDL-2015, AKONING

## Inelastic levels



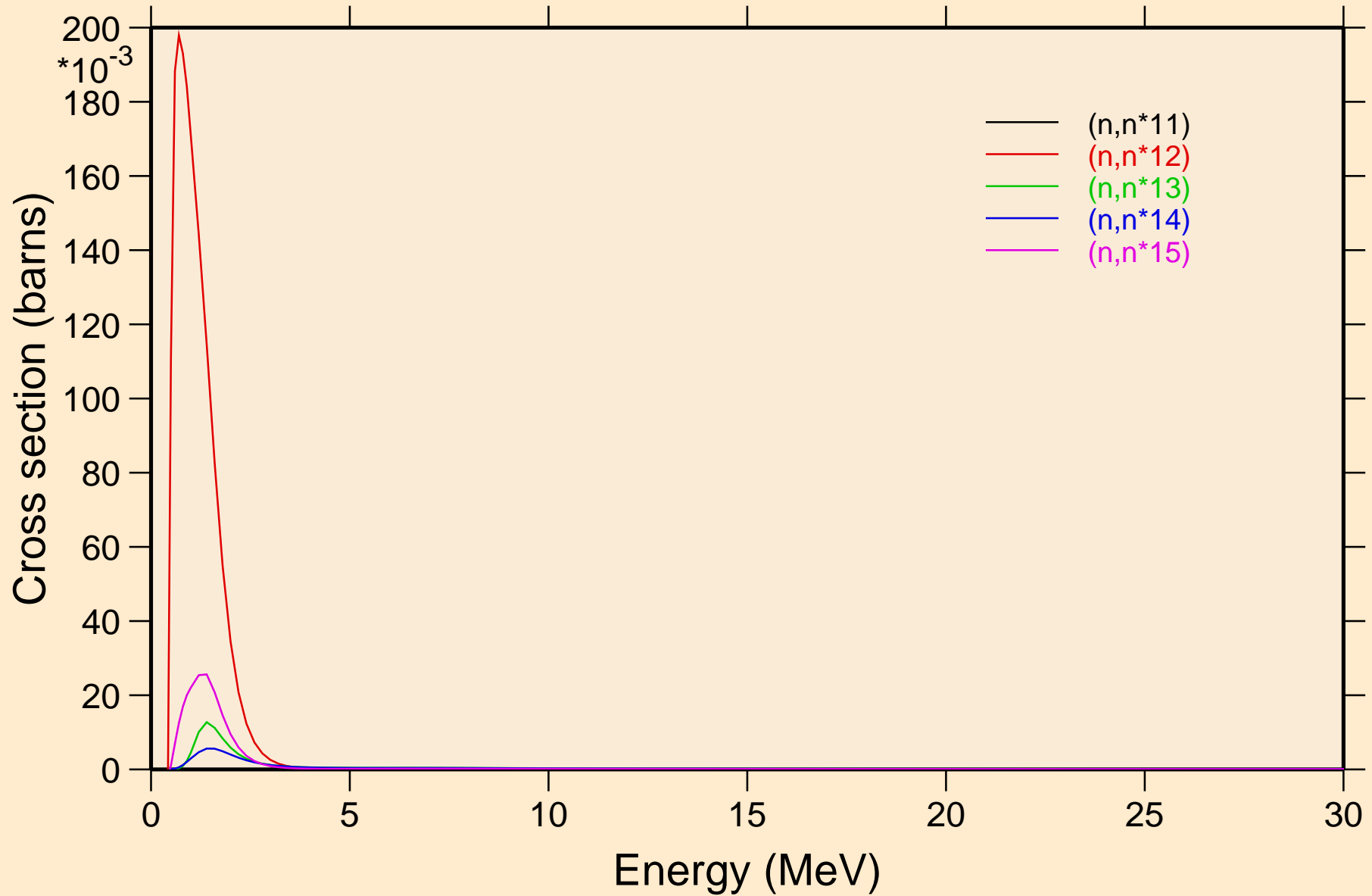
# ES249 NRG TENDL-2015, AKONING

## Inelastic levels



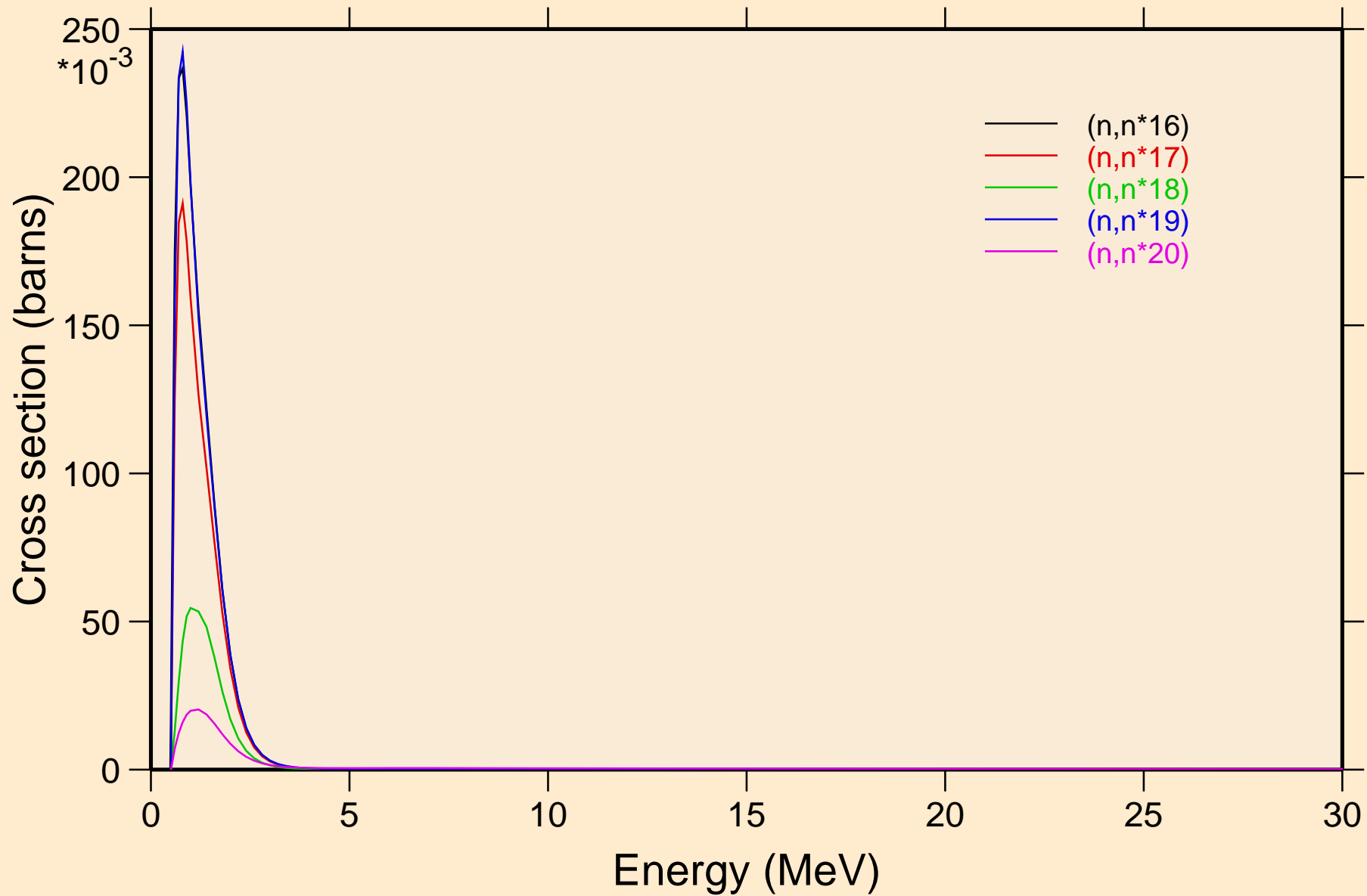
# ES249 NRG TENDL-2015, AKONING

## Inelastic levels



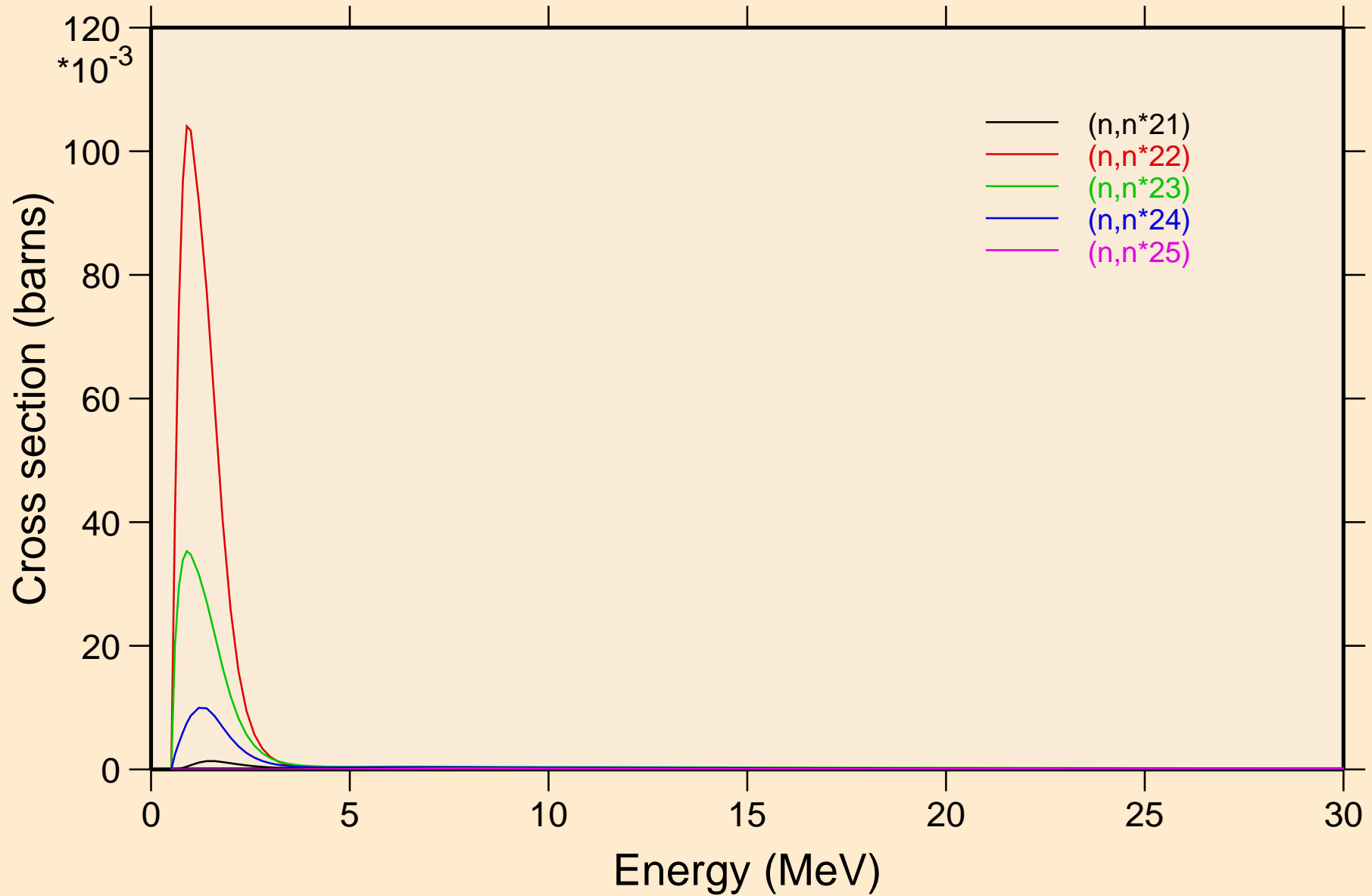
# ES249 NRG TENDL-2015, AKONING

## Inelastic levels



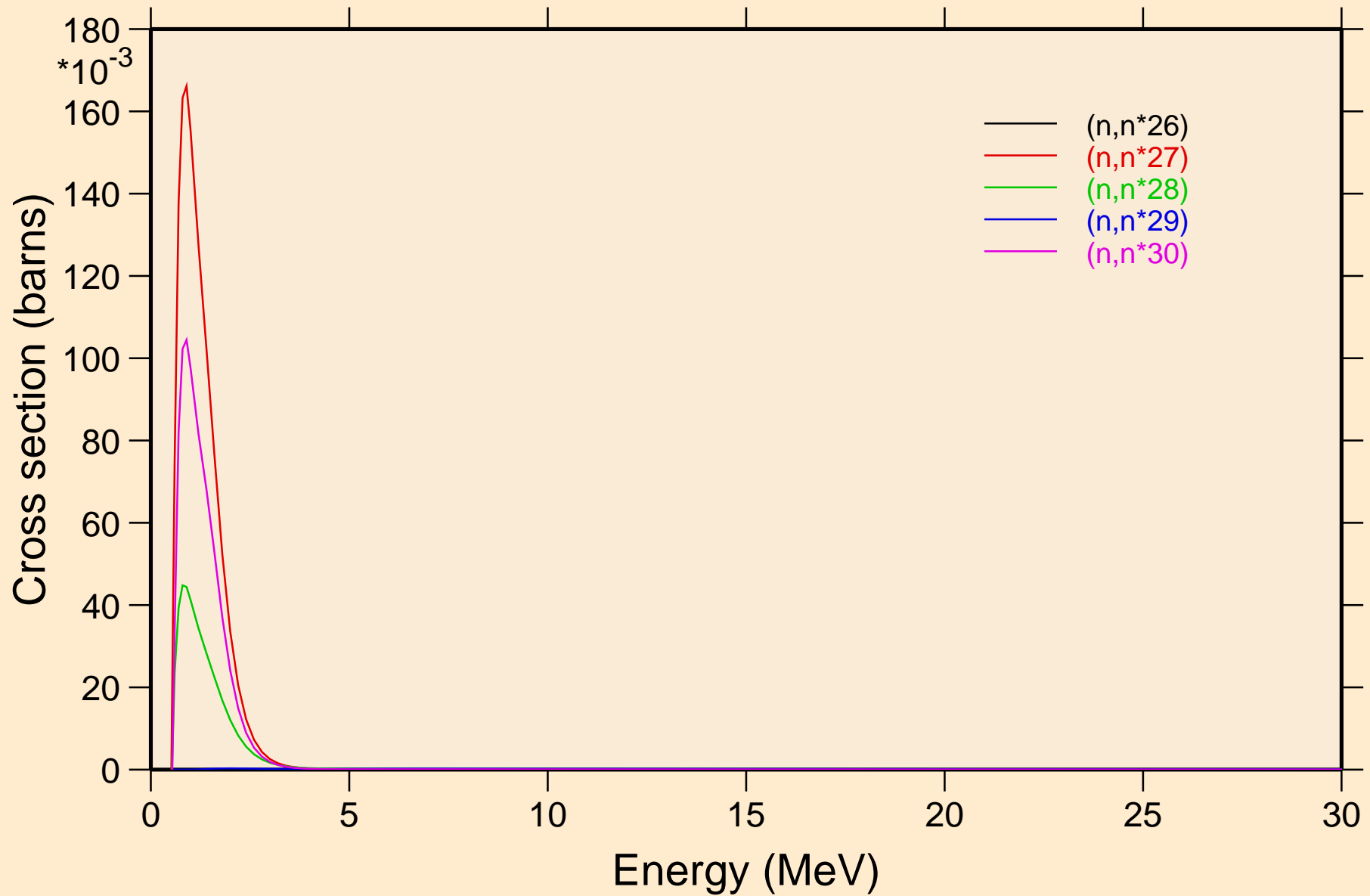
# ES249 NRG TENDL-2015, AKONING

## Inelastic levels



# ES249 NRG TENDL-2015, AKONING

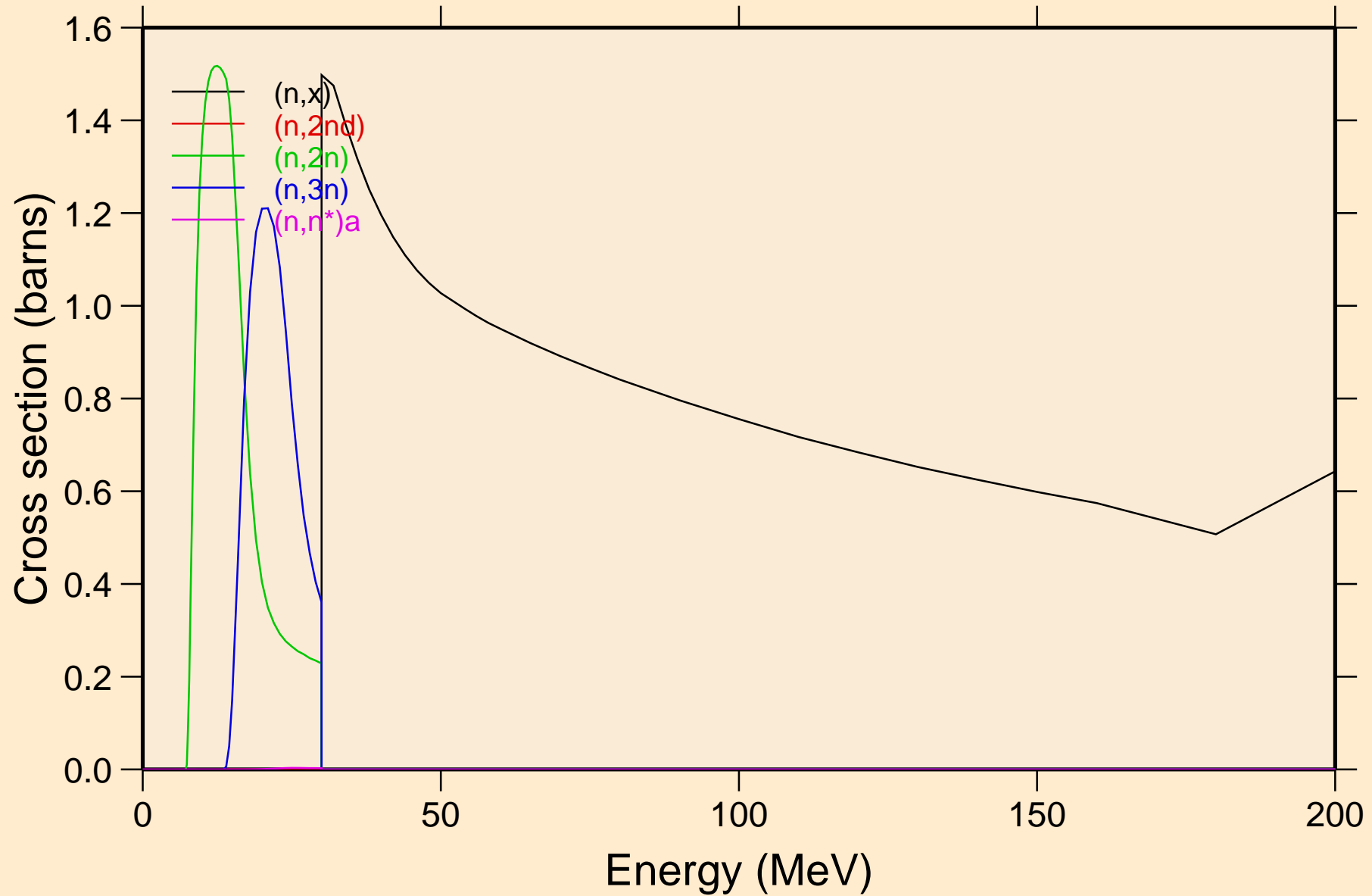
## Inelastic levels





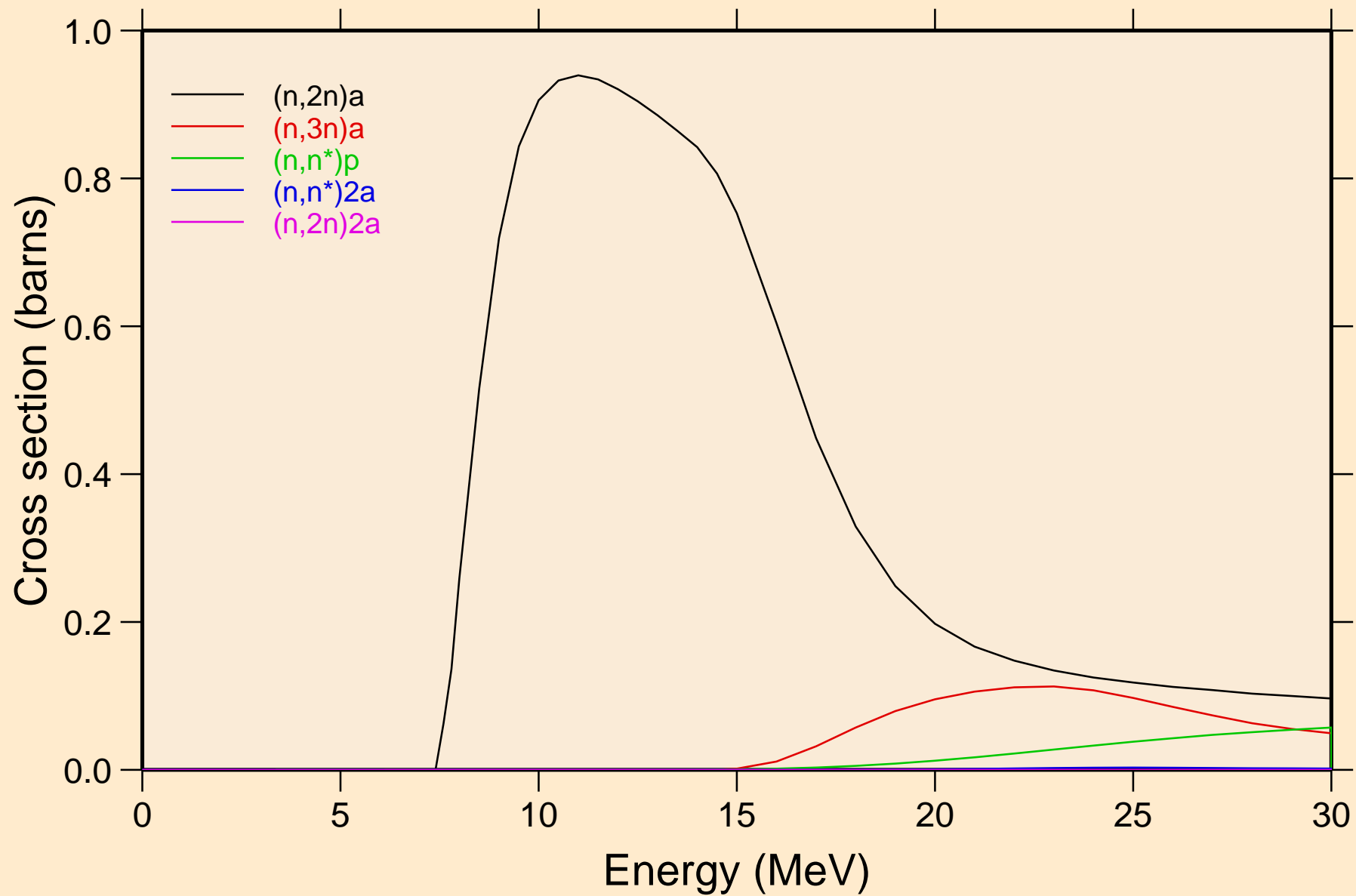
# ES249 NRG TENDL-2015, AKONING

## Threshold reactions



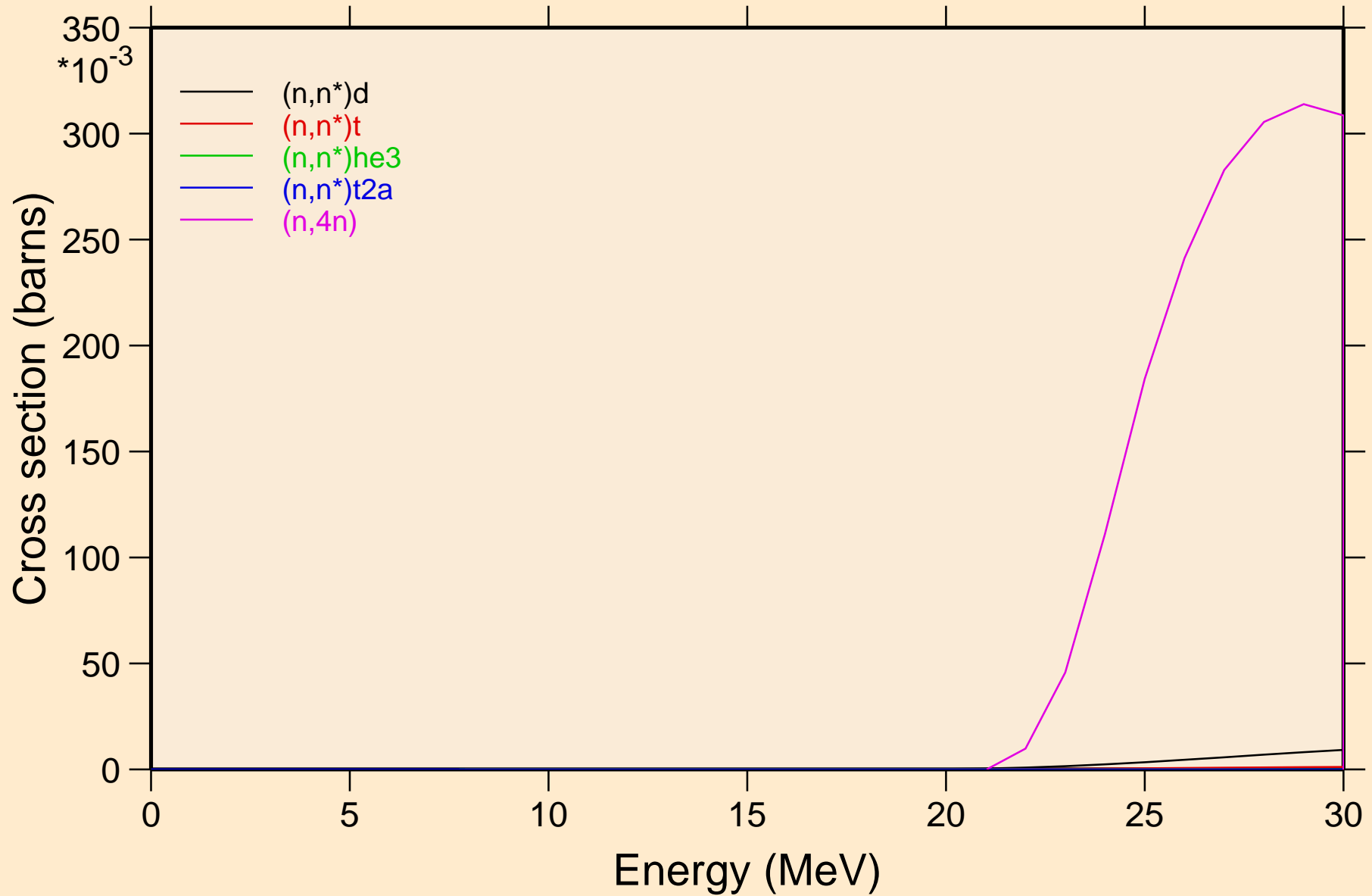
# ES249 NRG TENDL-2015, AKONING

## Threshold reactions



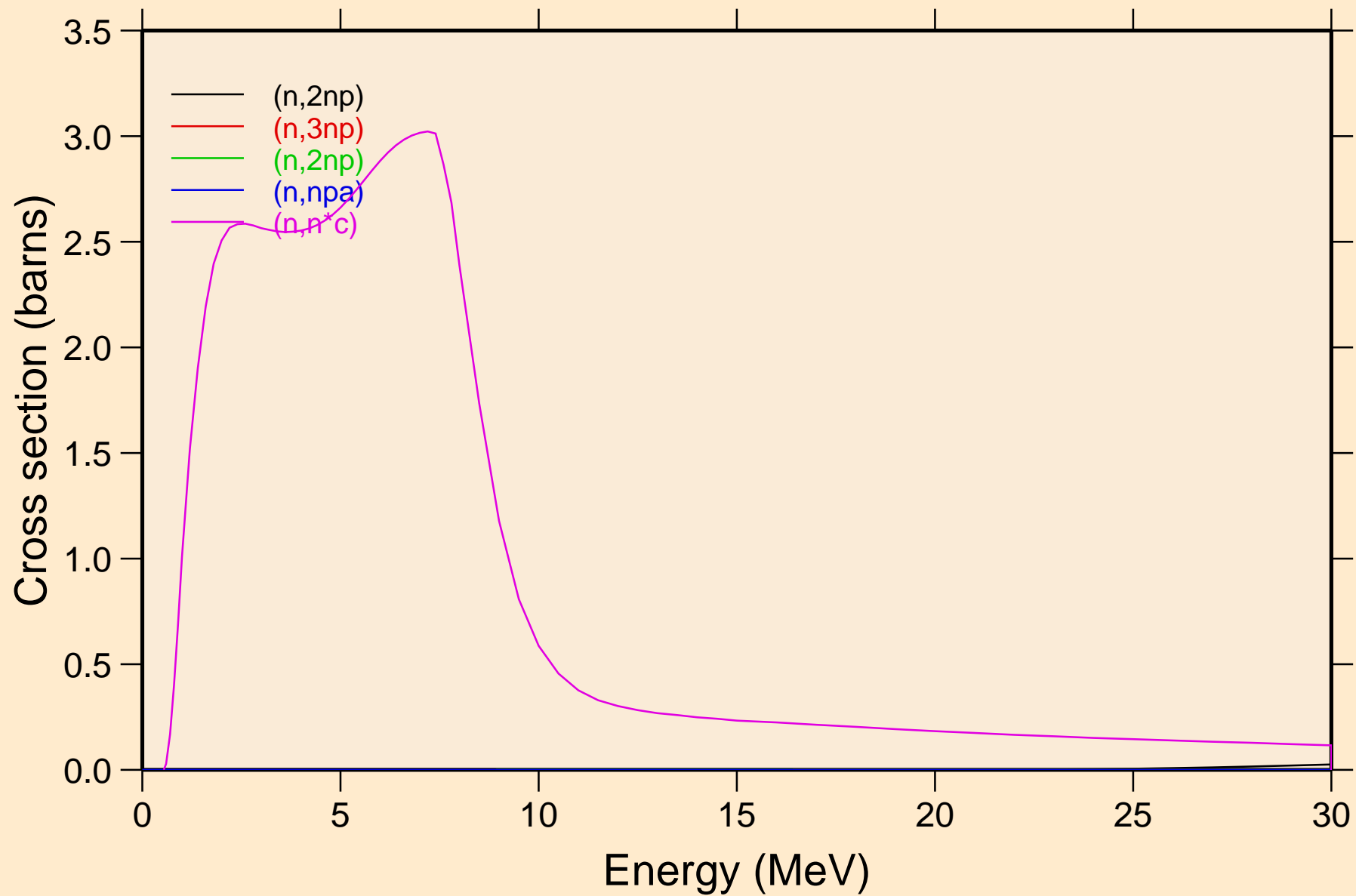
# ES249 NRG TENDL-2015, AKONING

## Threshold reactions



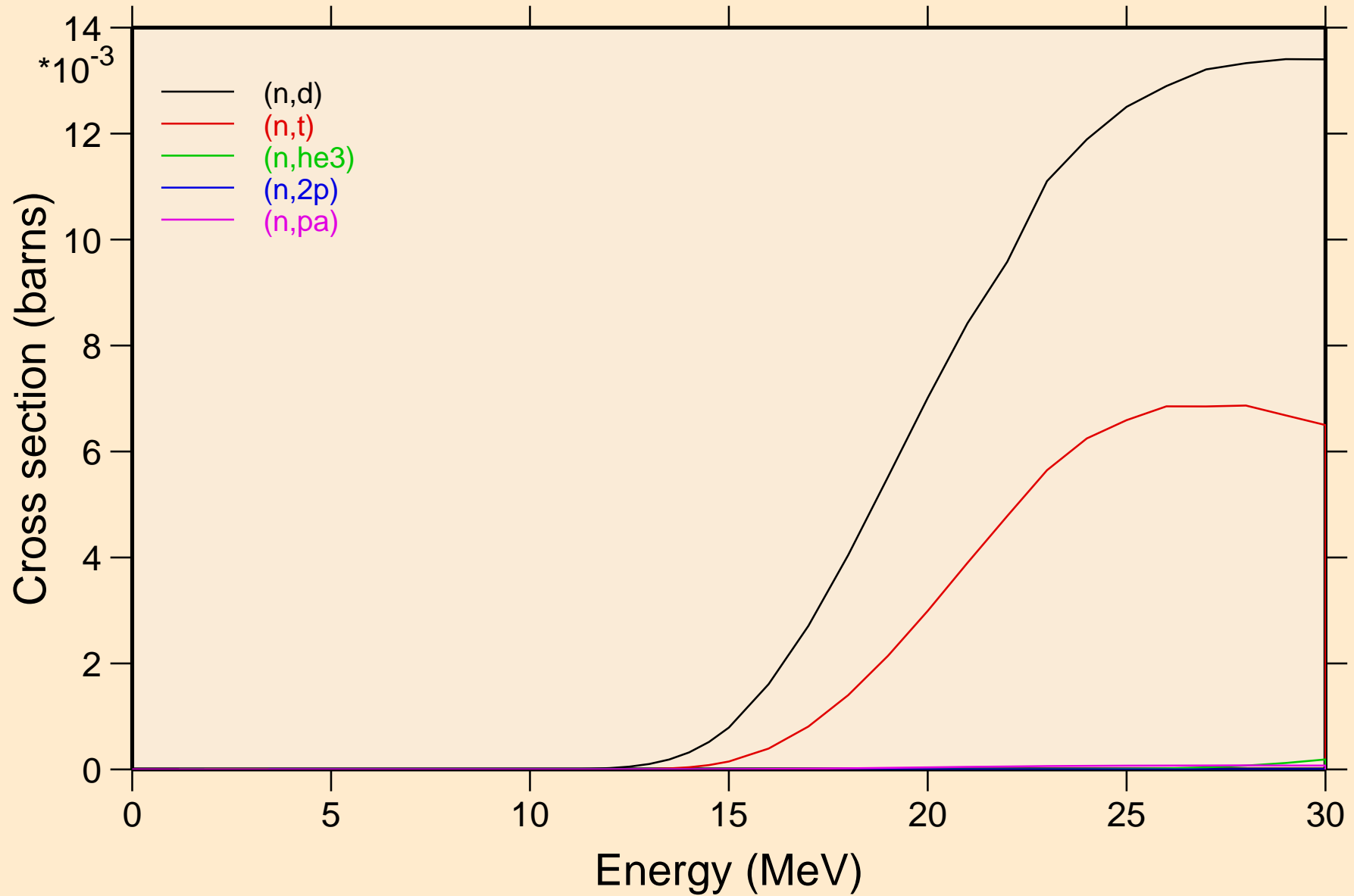
# ES249 NRG TENDL-2015, AKONING

## Threshold reactions



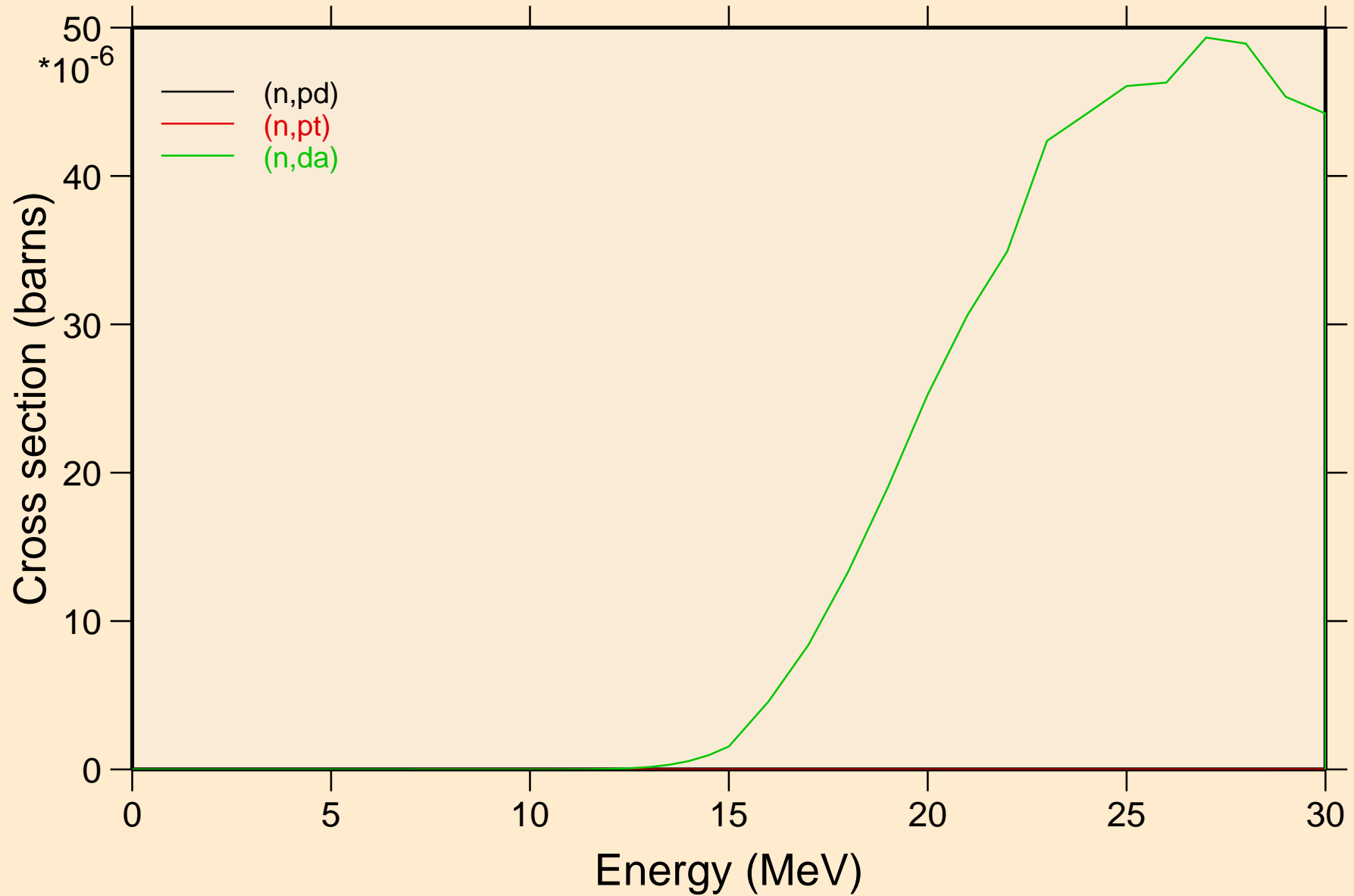
# ES249 NRG TENDL-2015, AKONING

## Threshold reactions

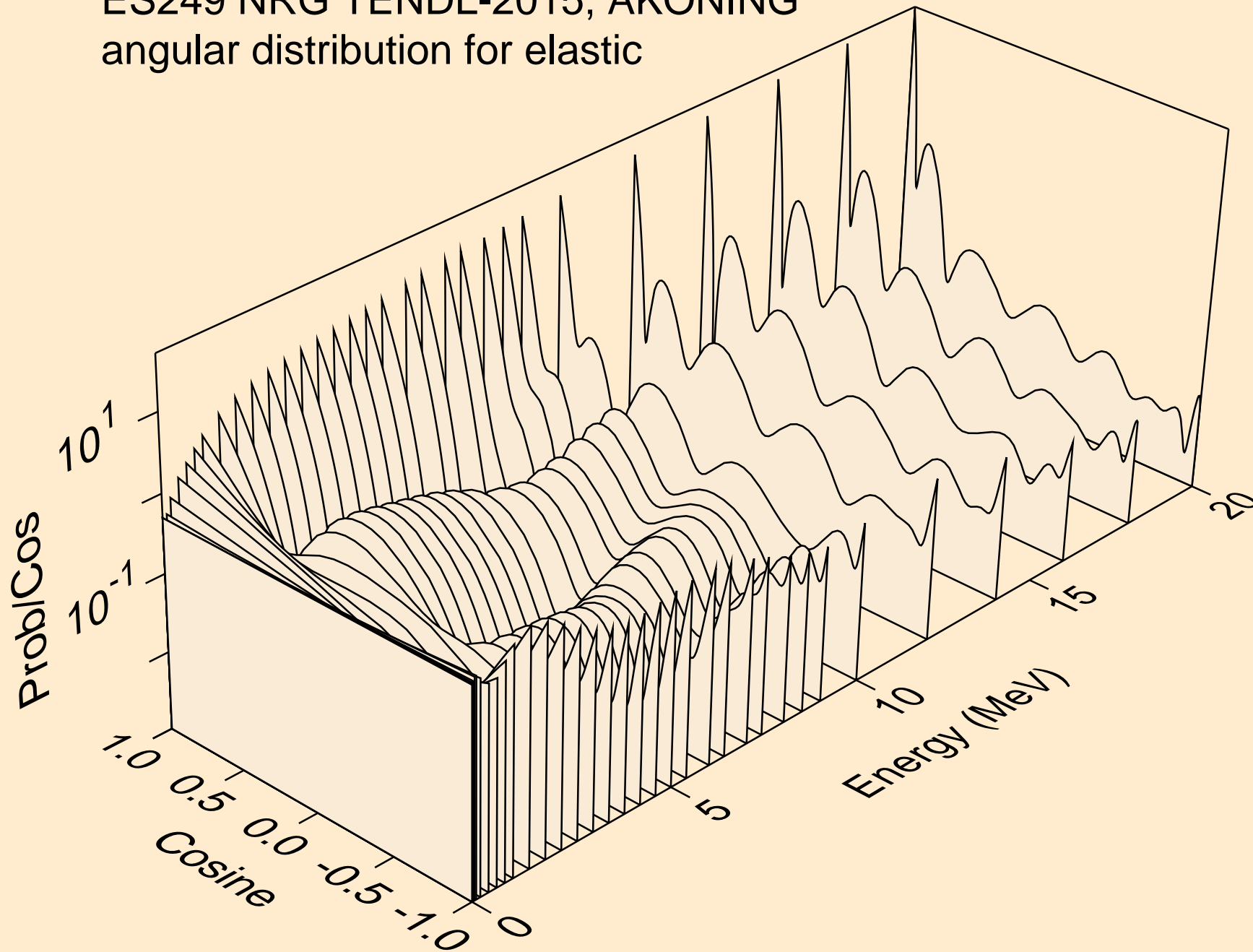


# ES249 NRG TENDL-2015, AKONING

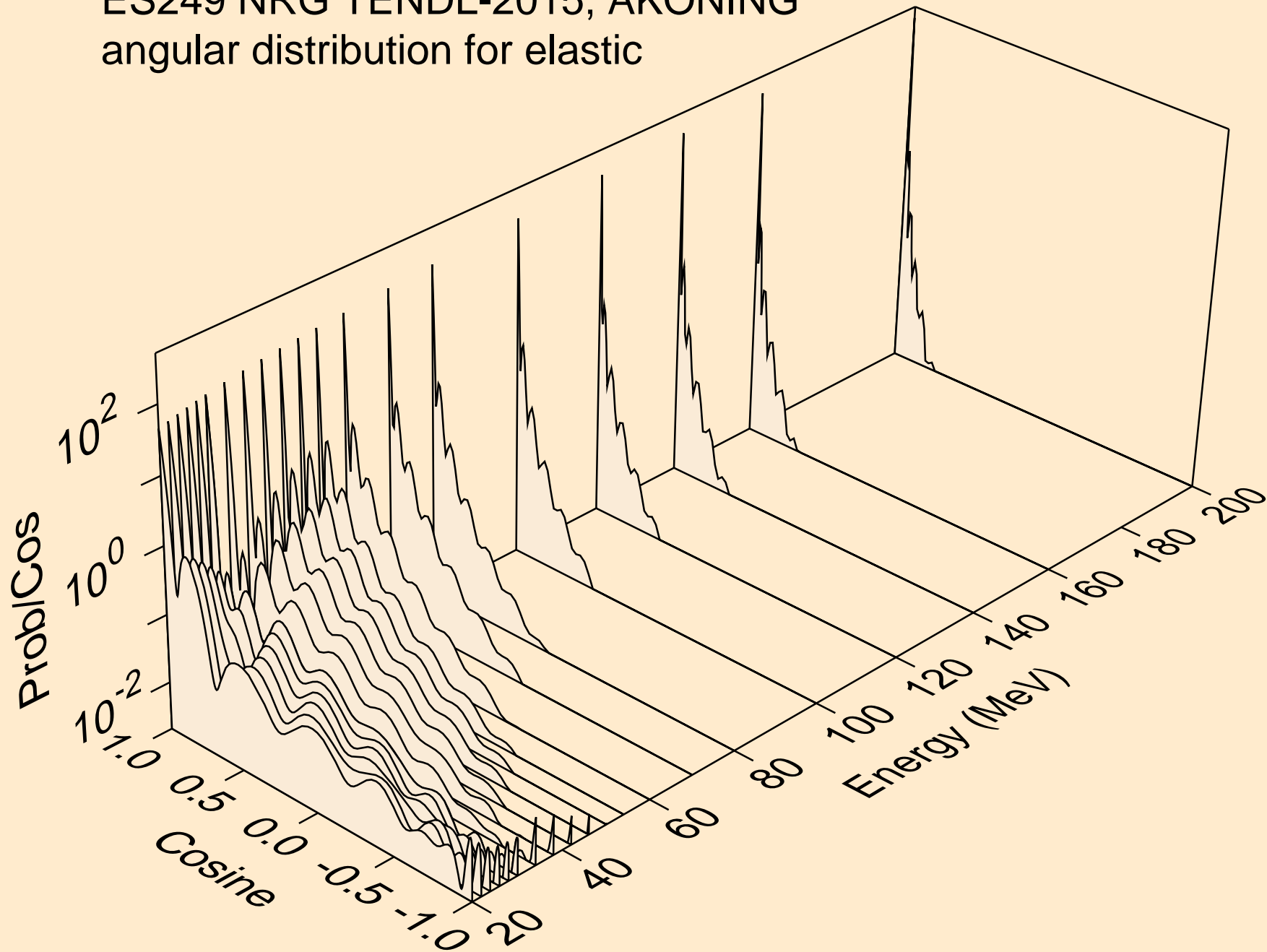
## Threshold reactions



ES249 NRG TENDL-2015, AKONING  
angular distribution for elastic

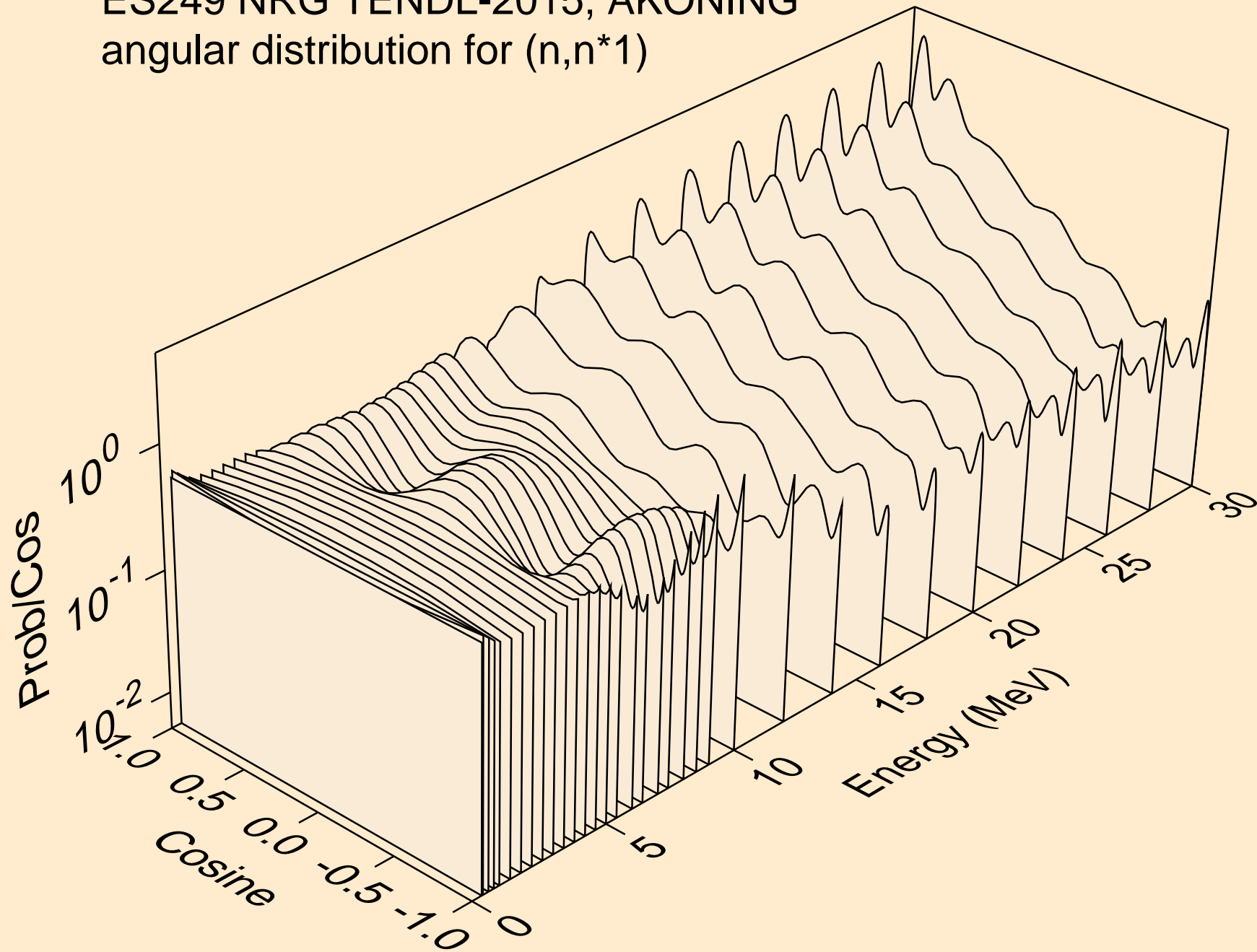


ES249 NRG TENDL-2015, AKONING  
angular distribution for elastic

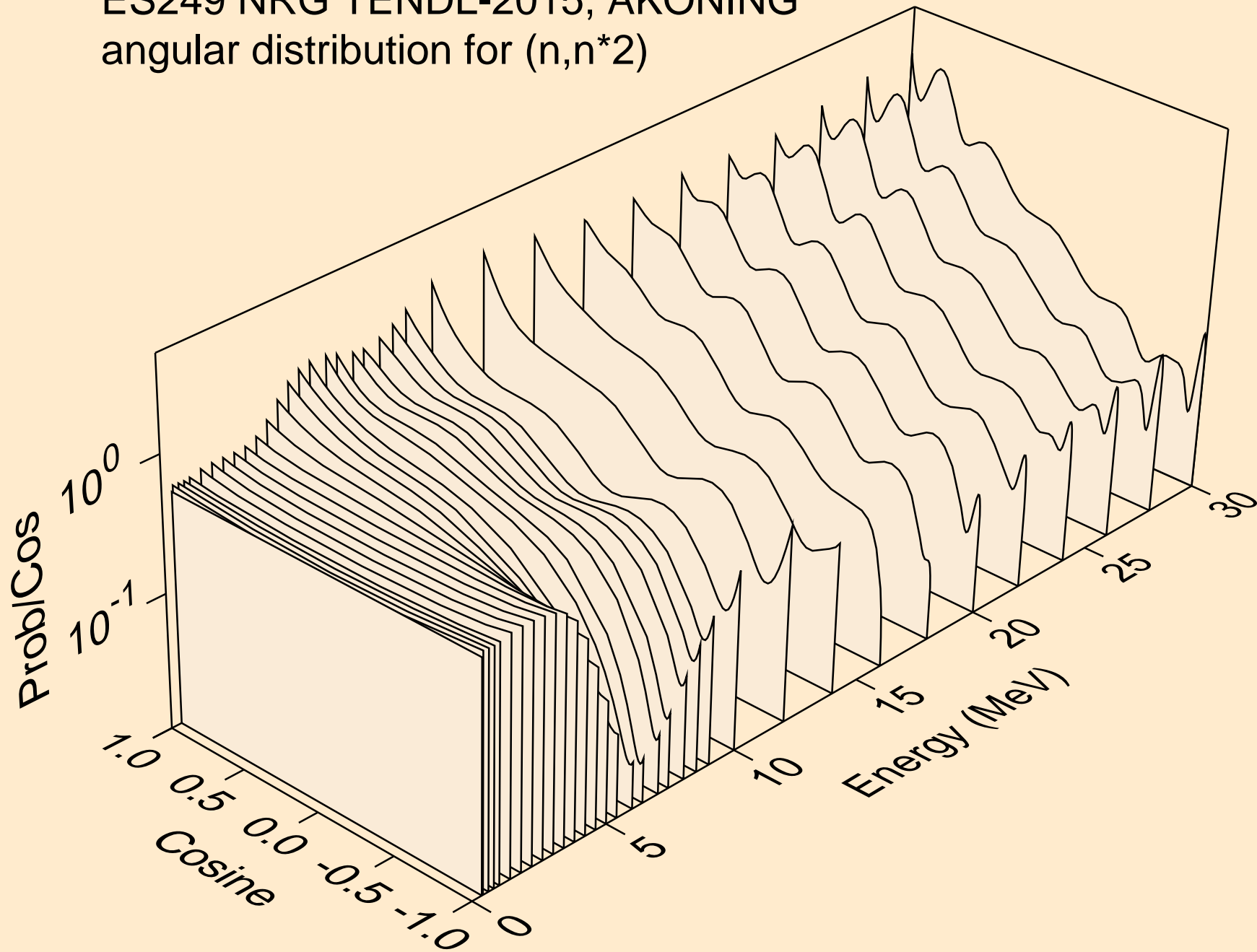




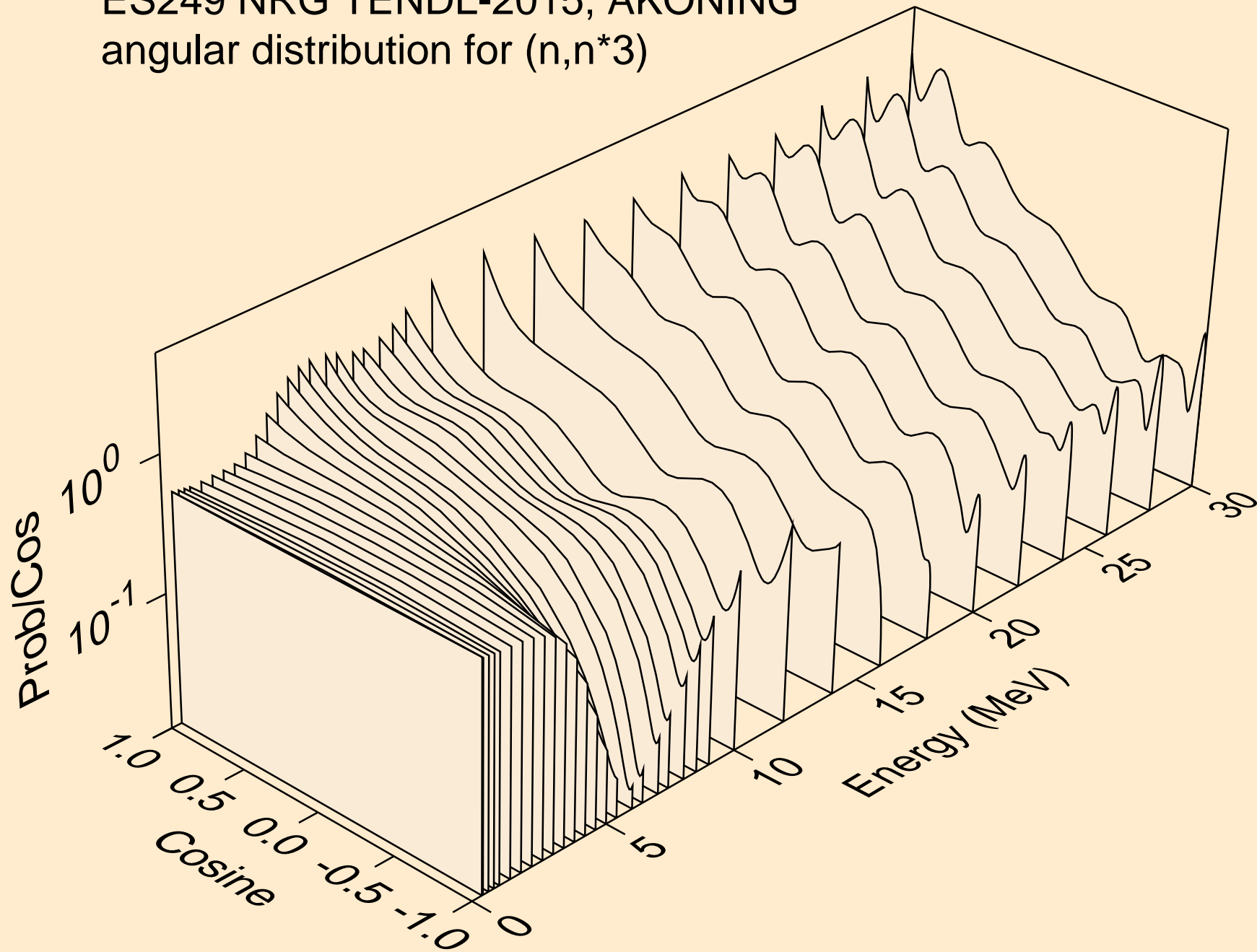
ES249 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



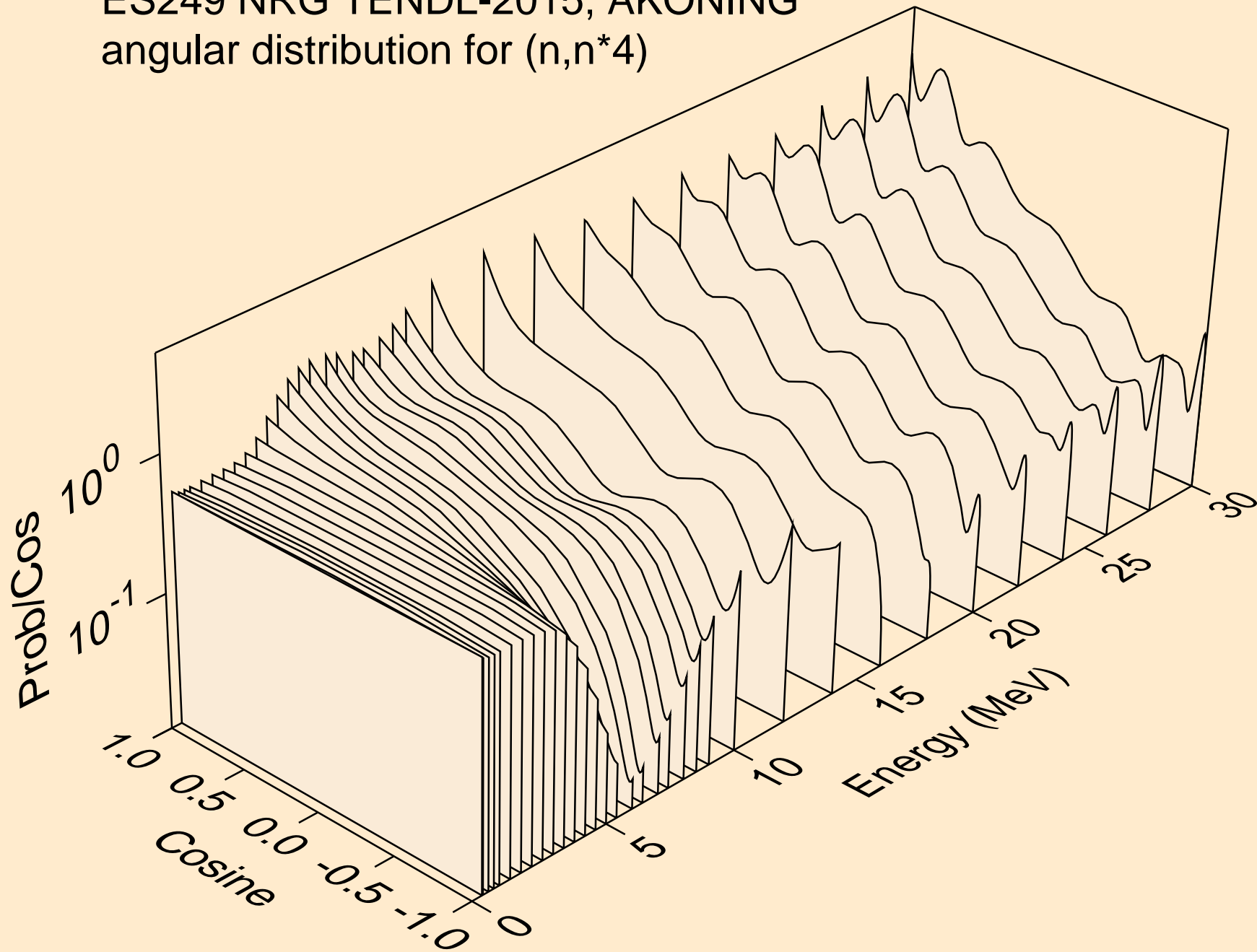
ES249 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



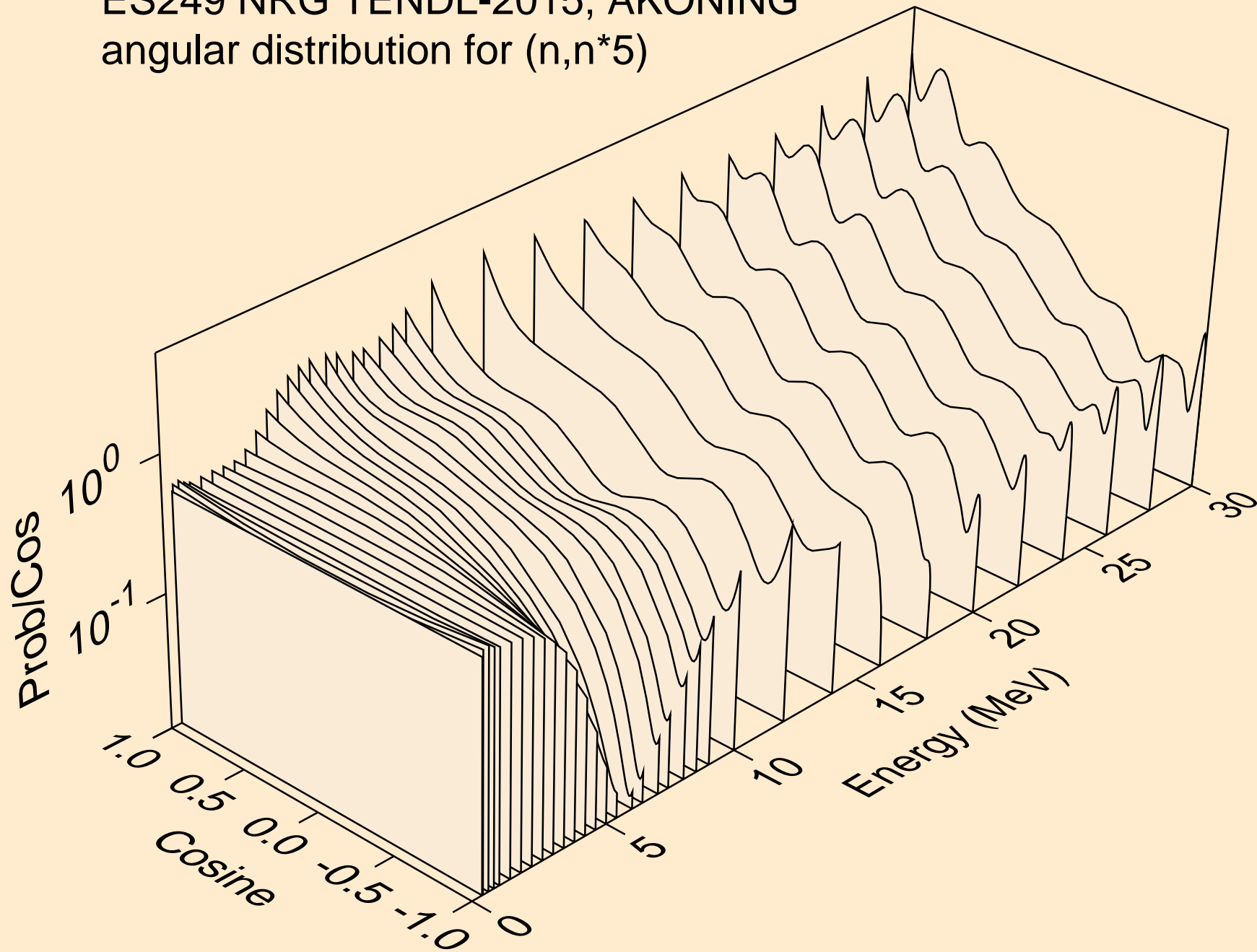
ES249 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



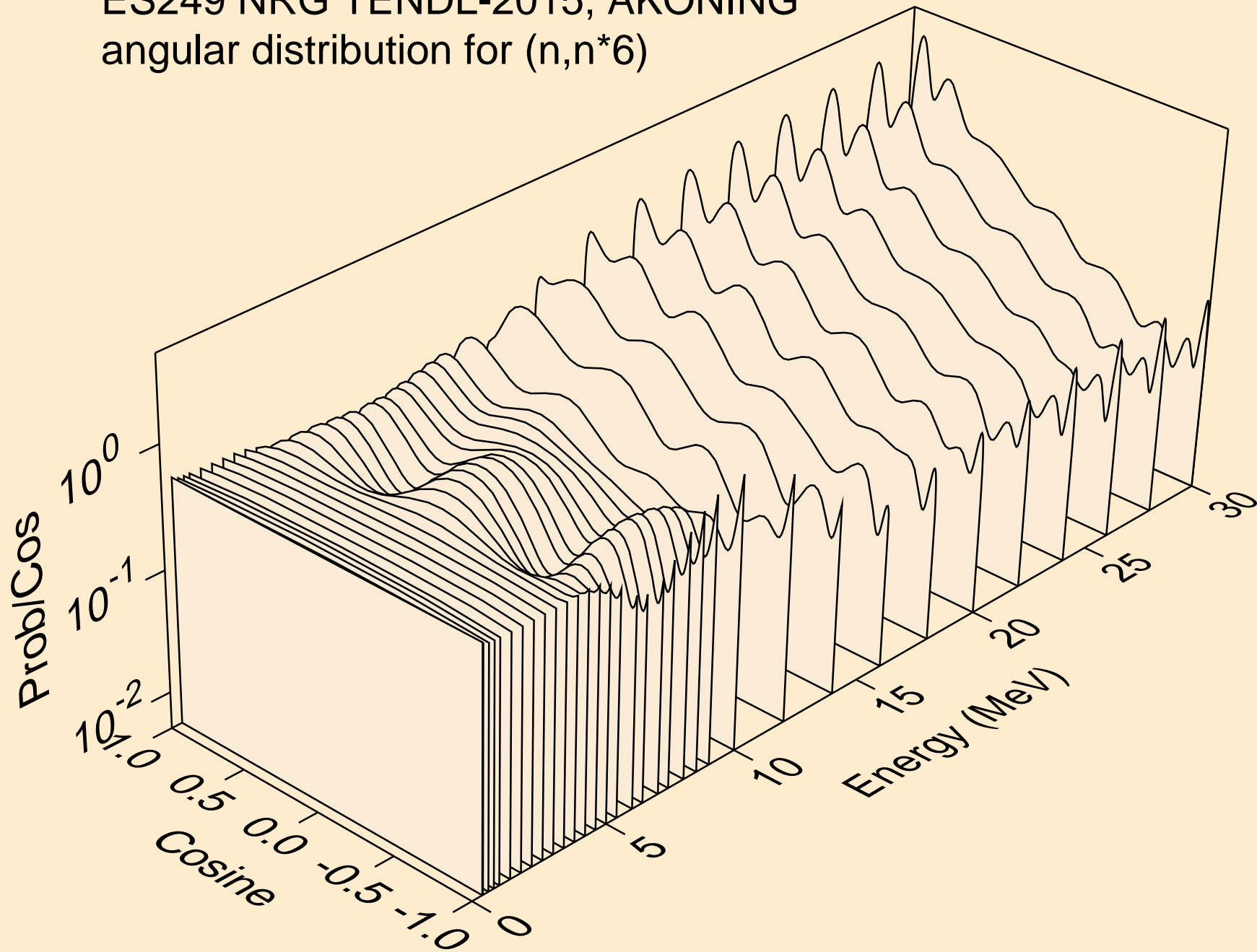
ES249 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



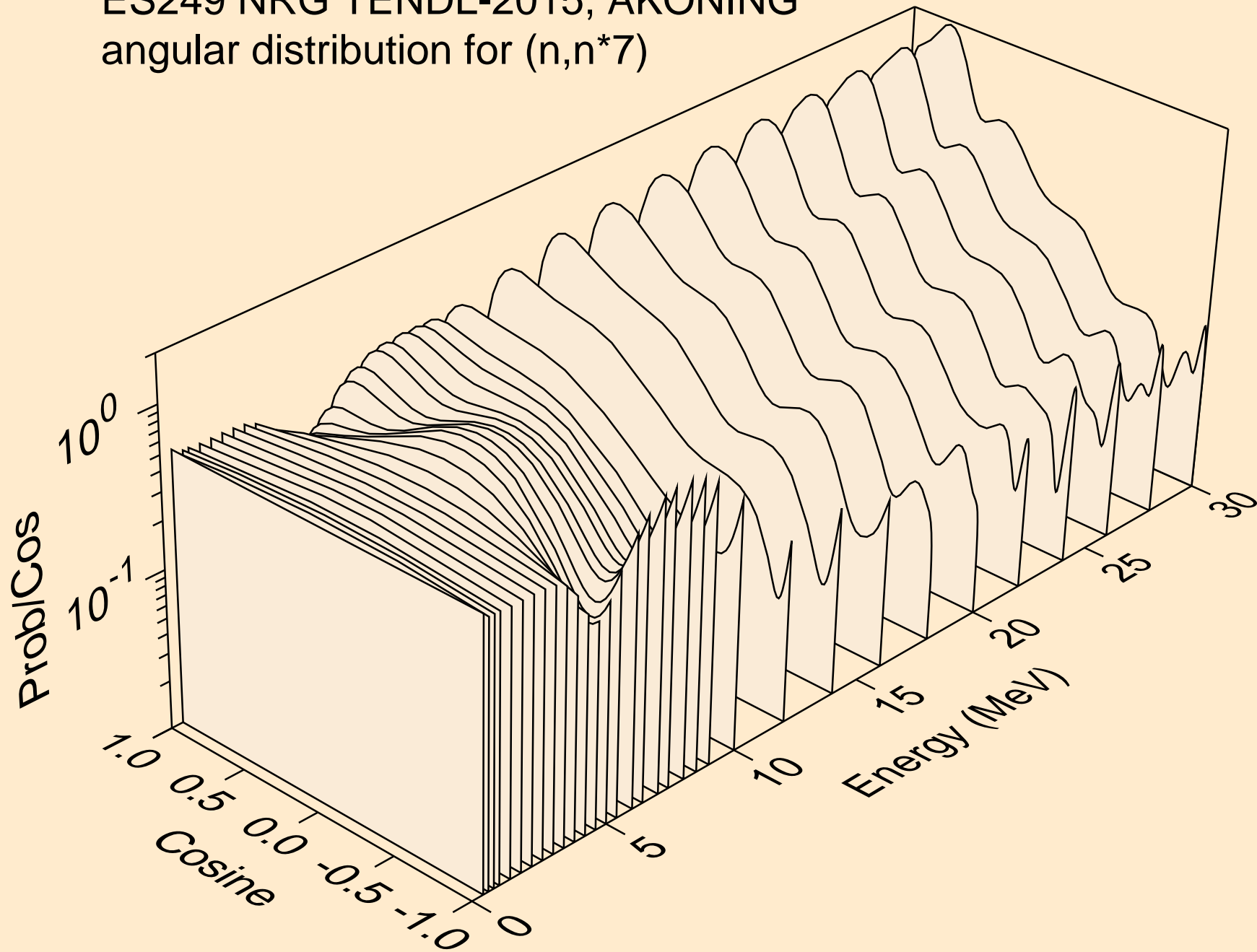
ES249 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)



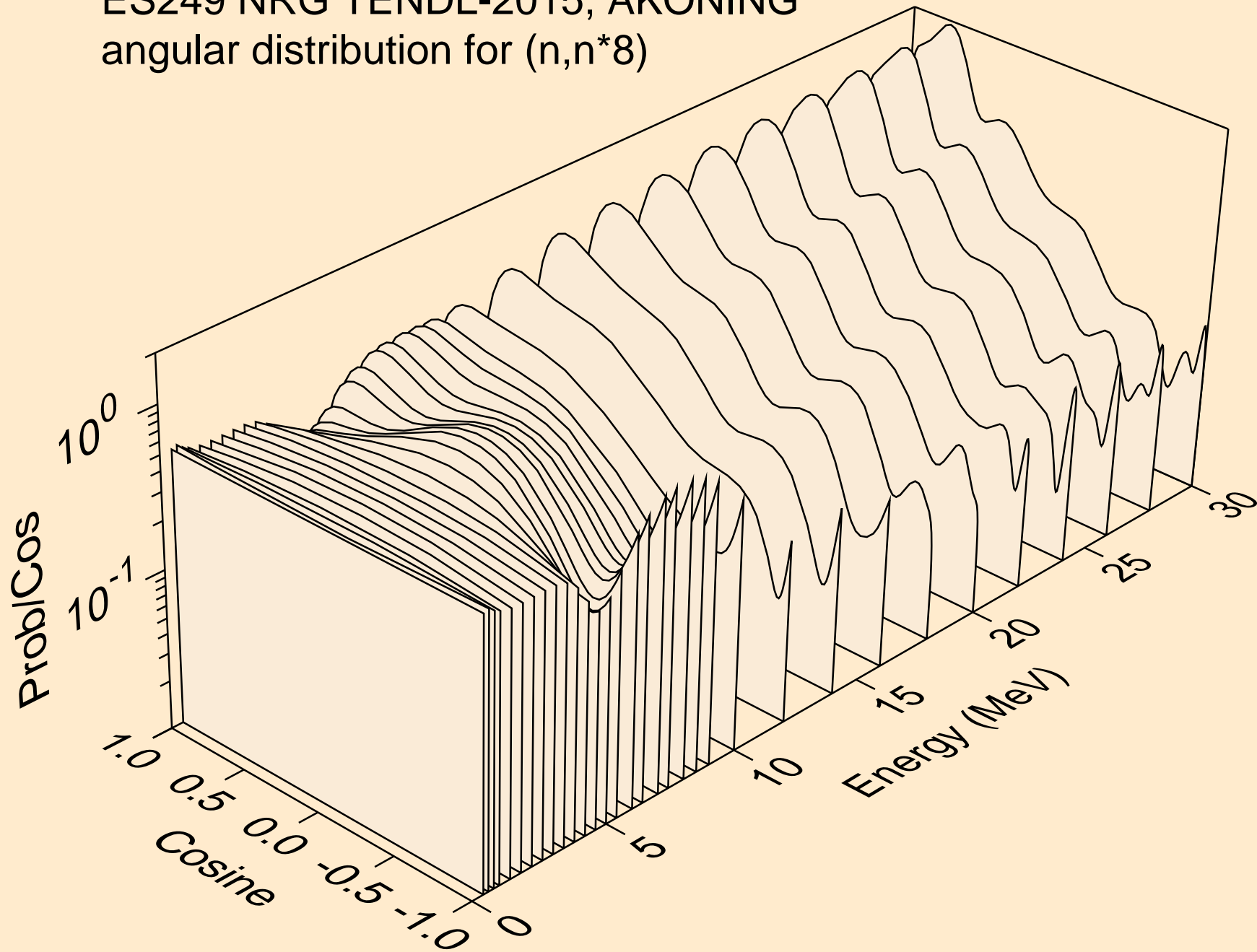
ES249 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)



ES249 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)

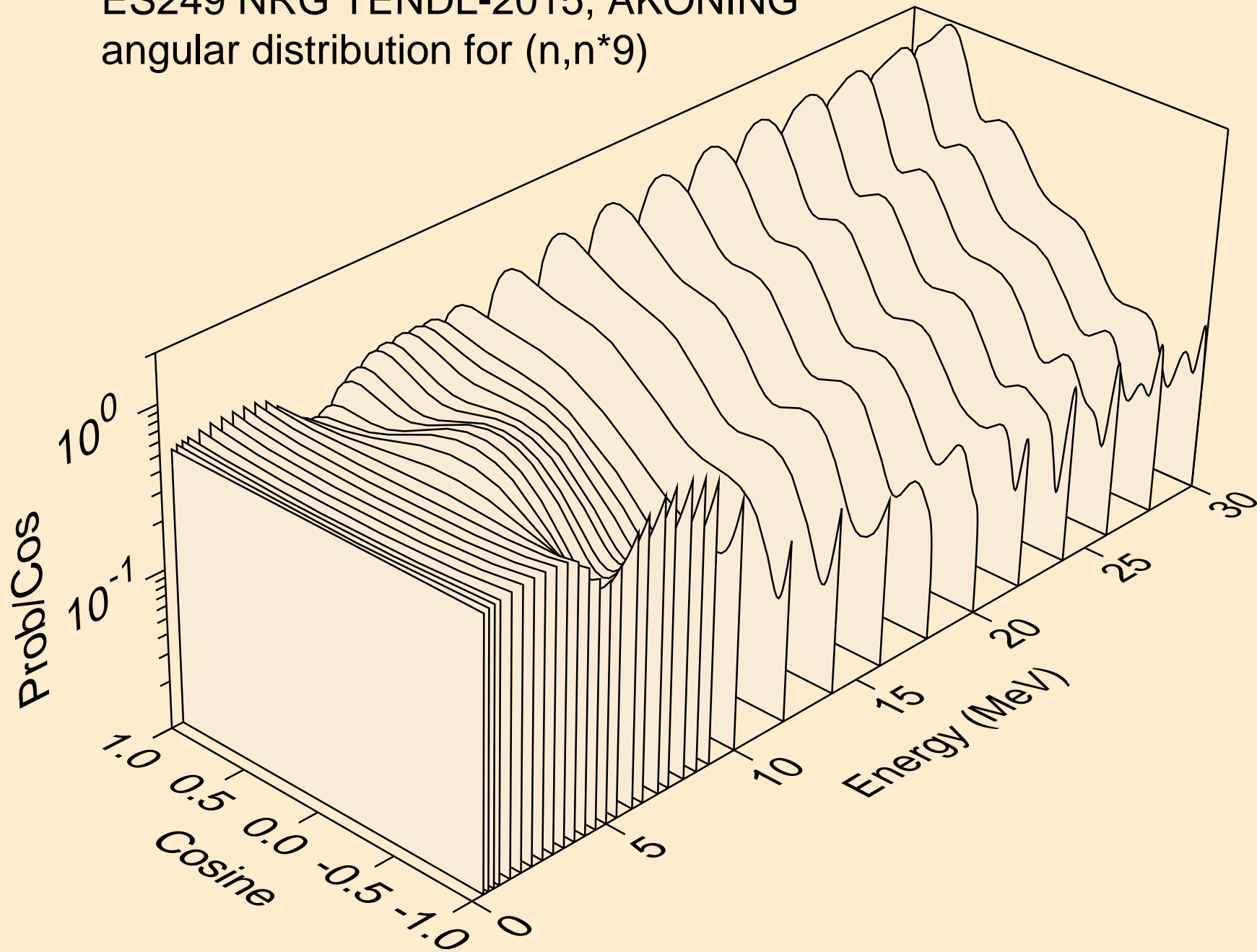


ES249 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)

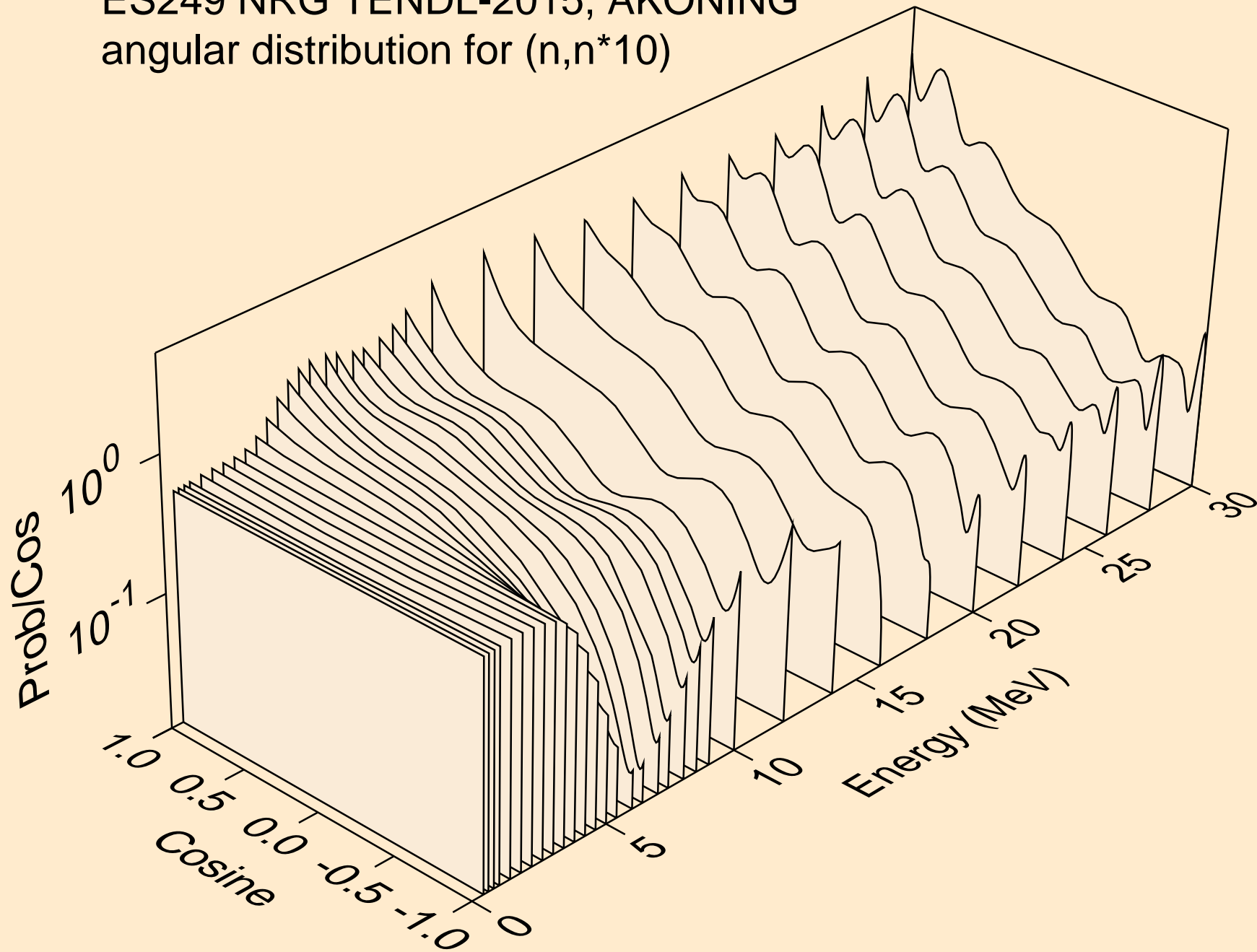




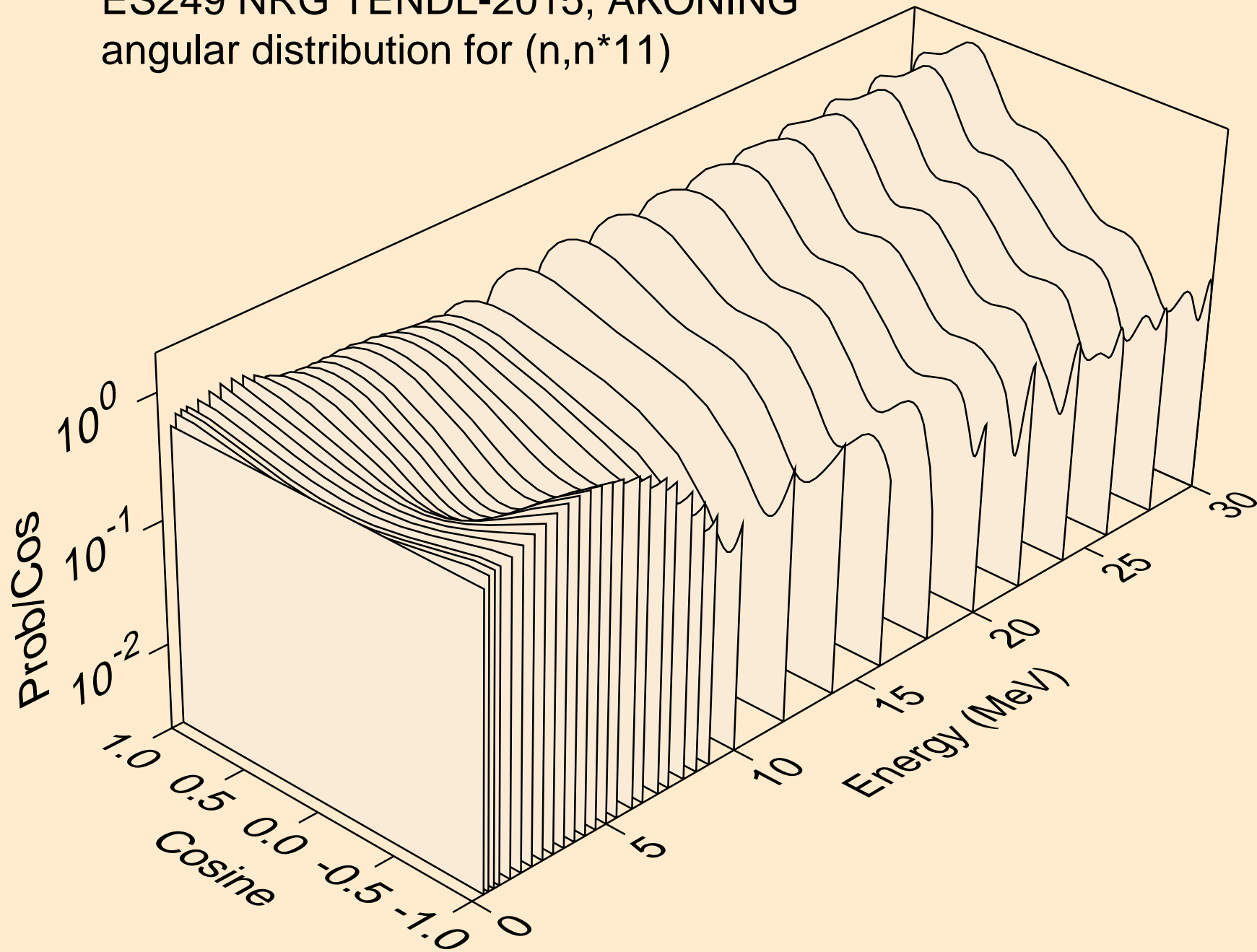
ES249 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



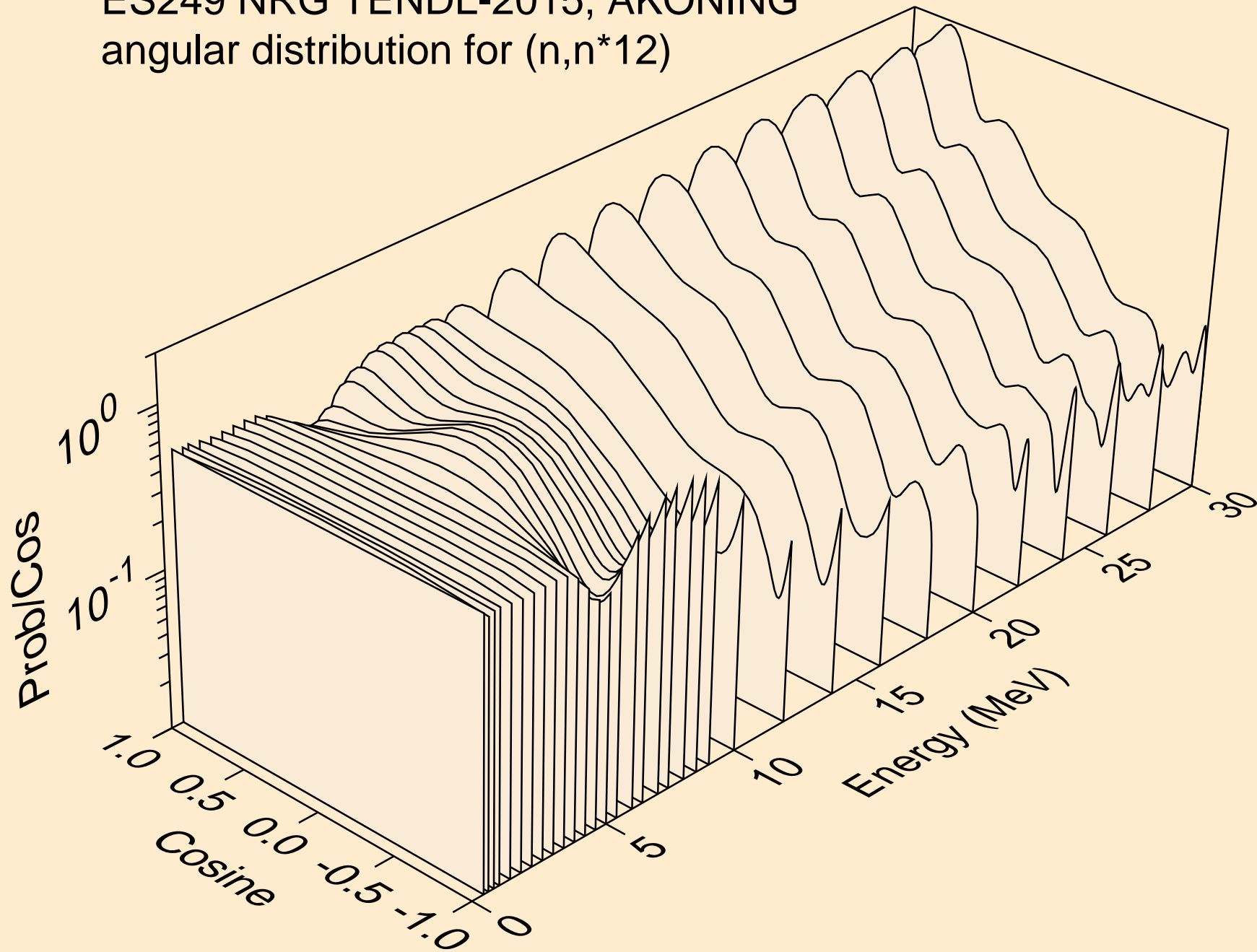
ES249 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



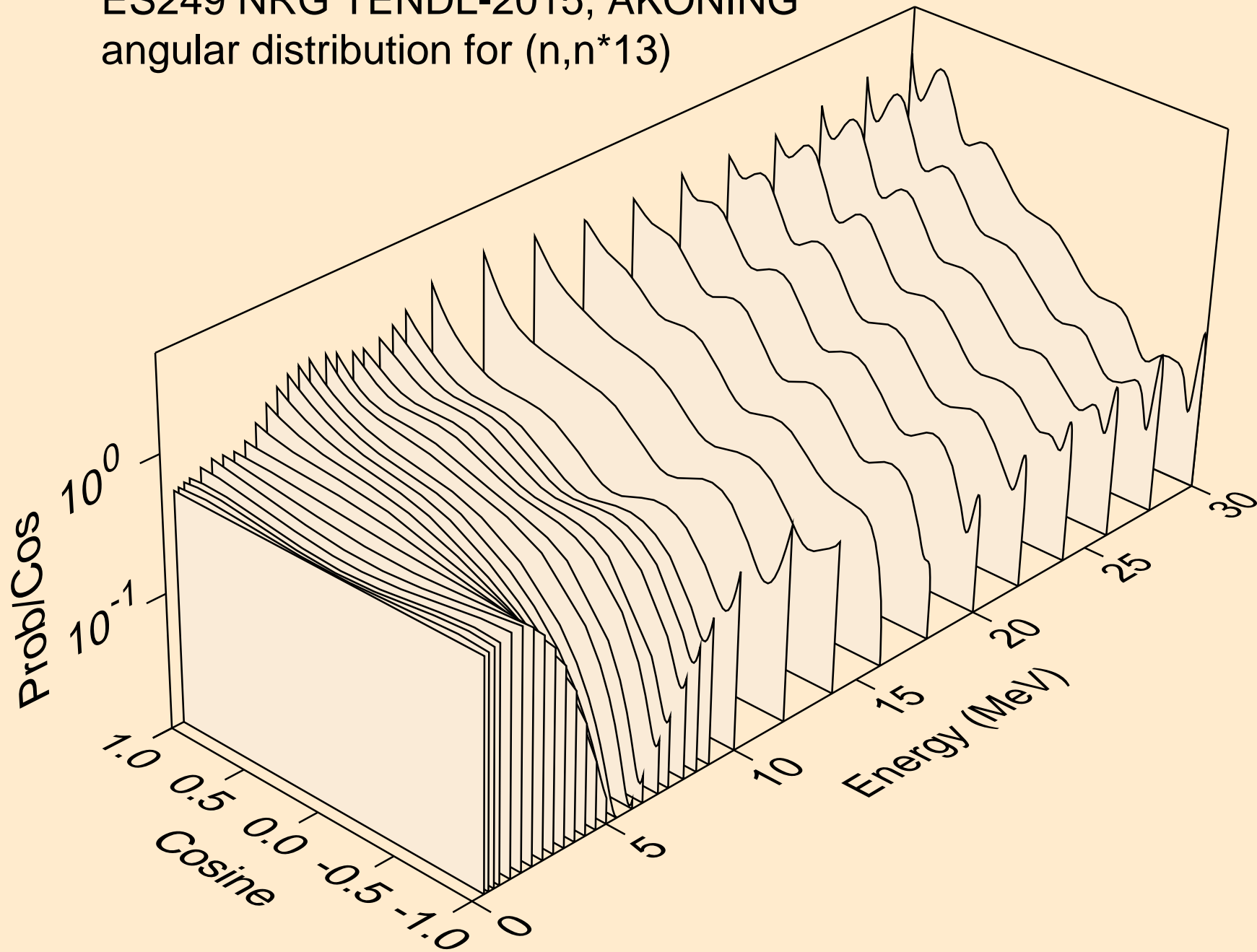
ES249 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



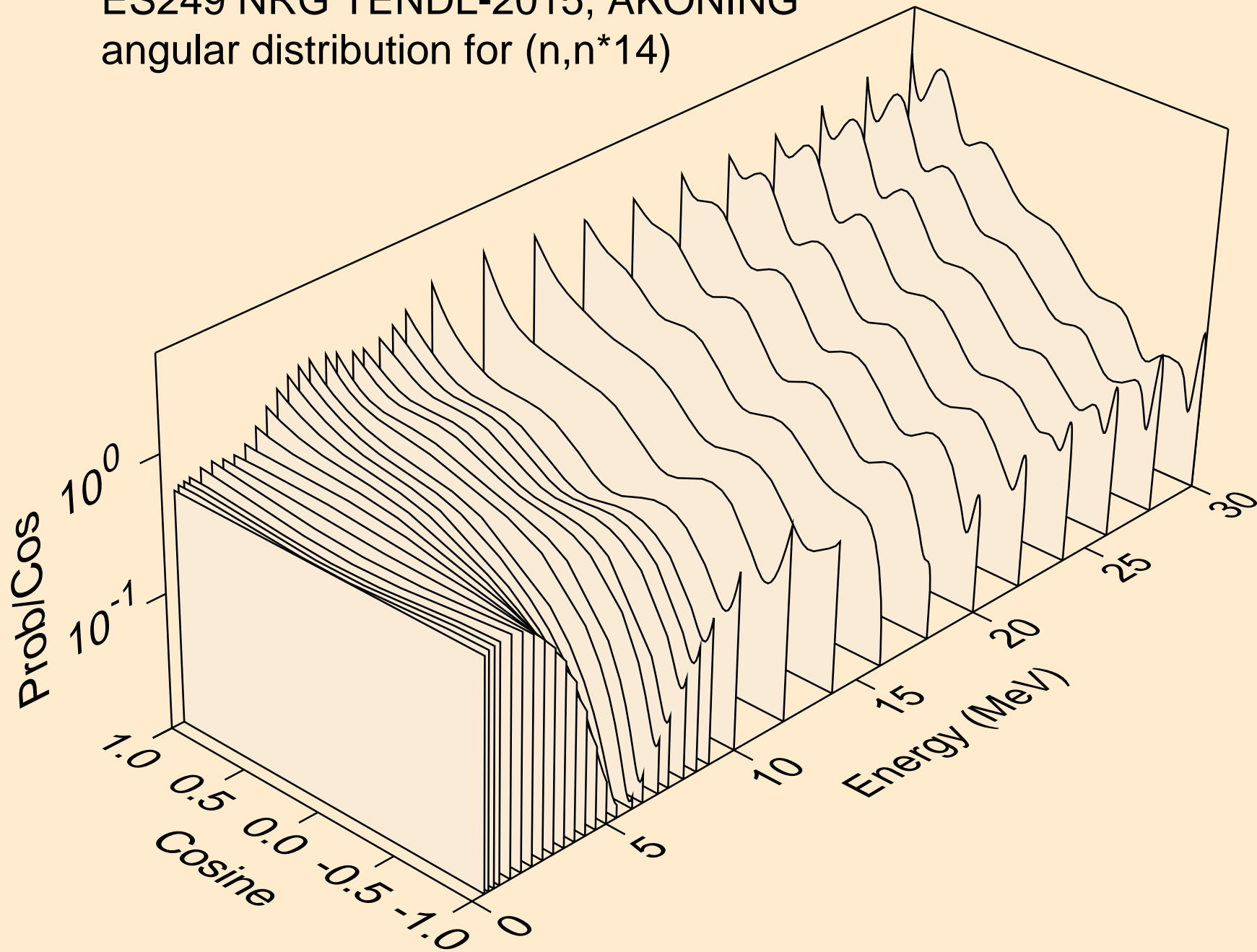
ES249 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



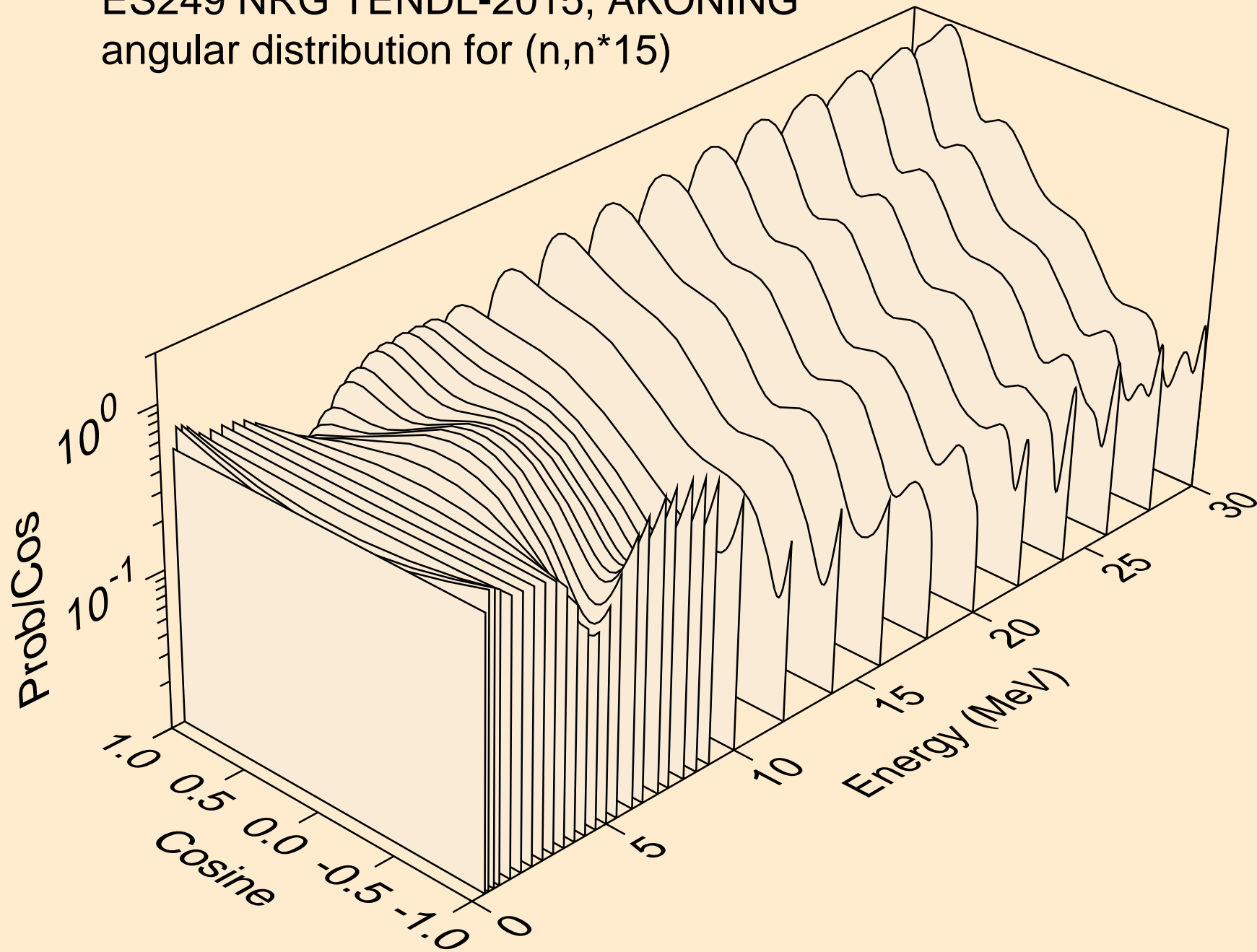
ES249 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)



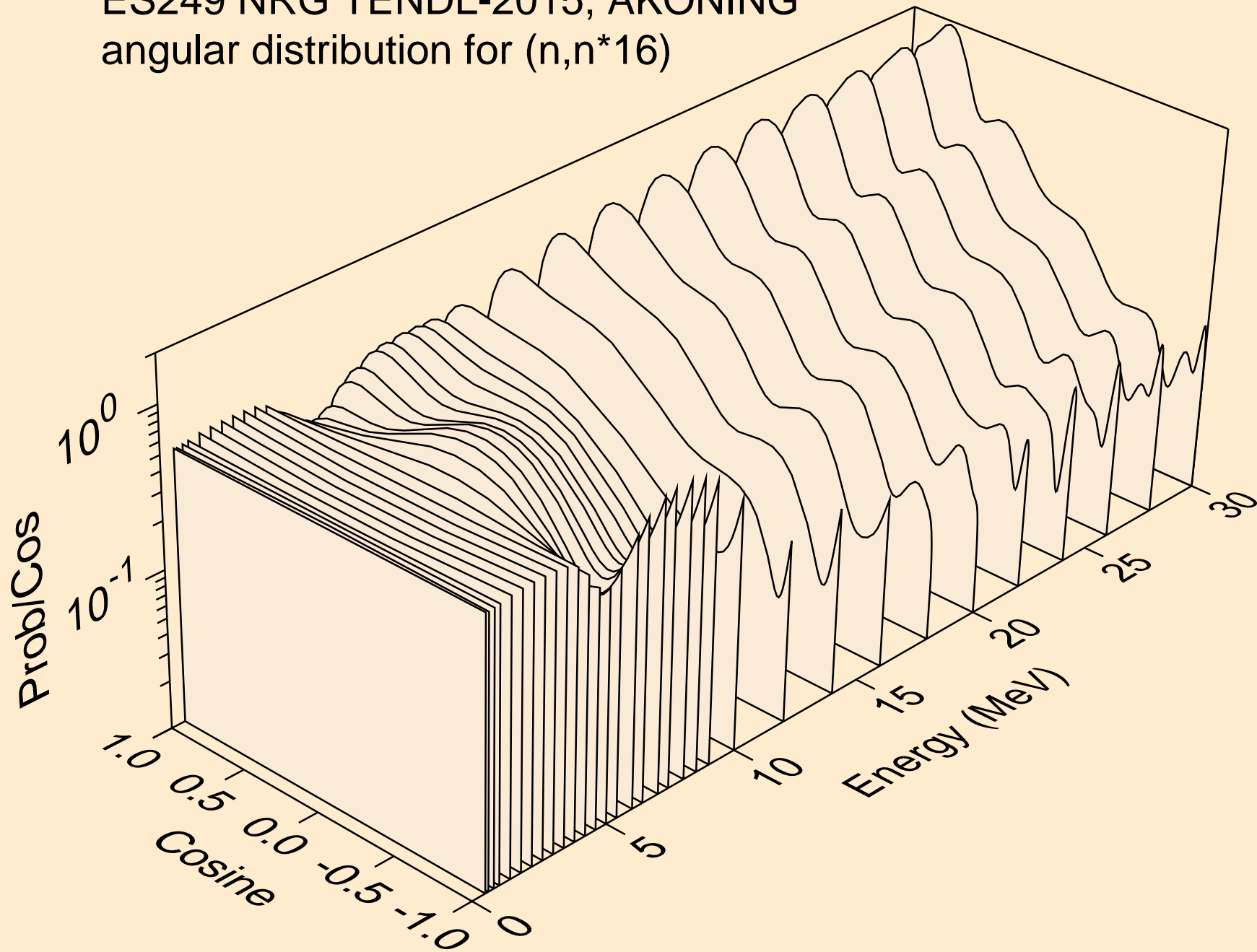
ES249 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)



ES249 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)

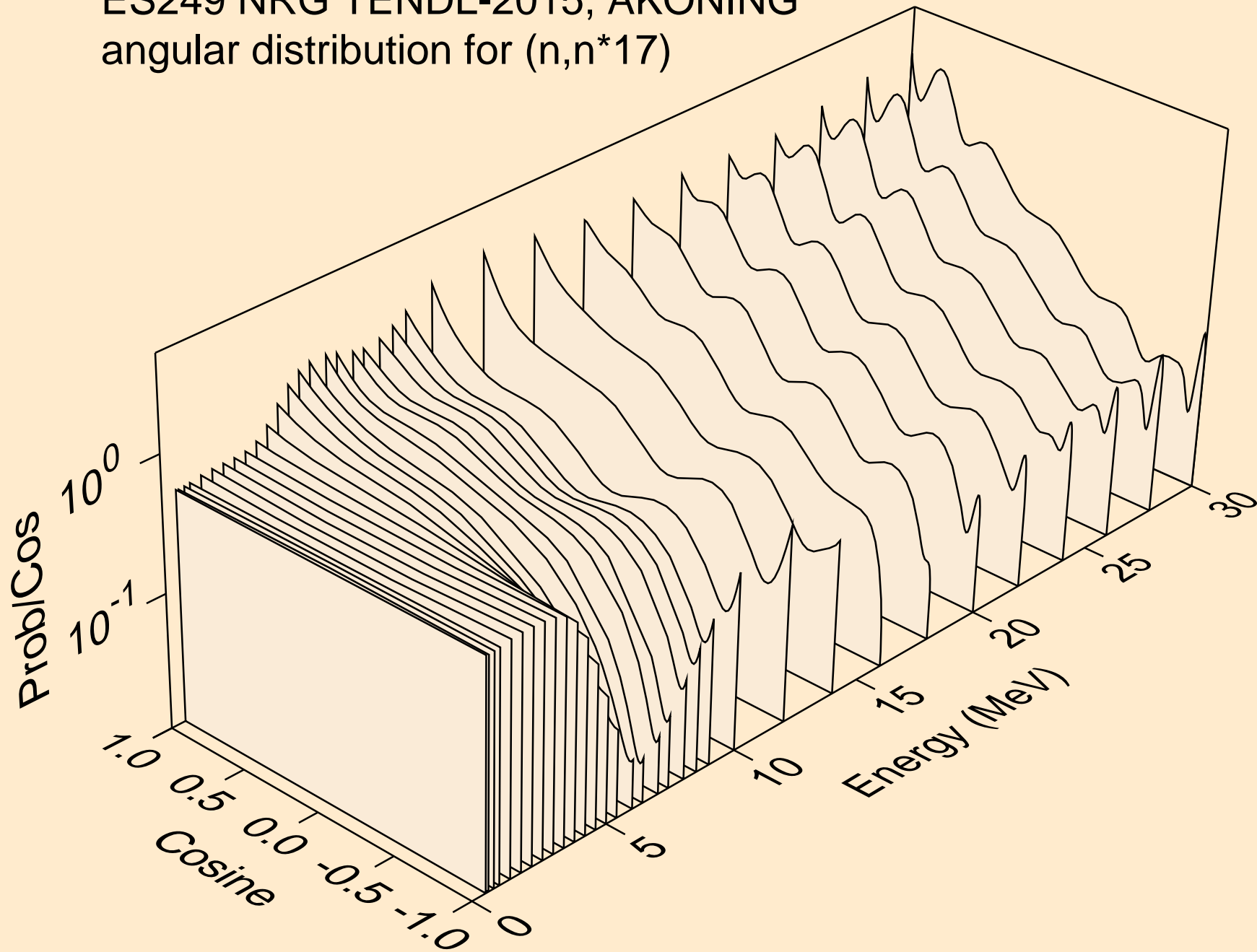


ES249 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)

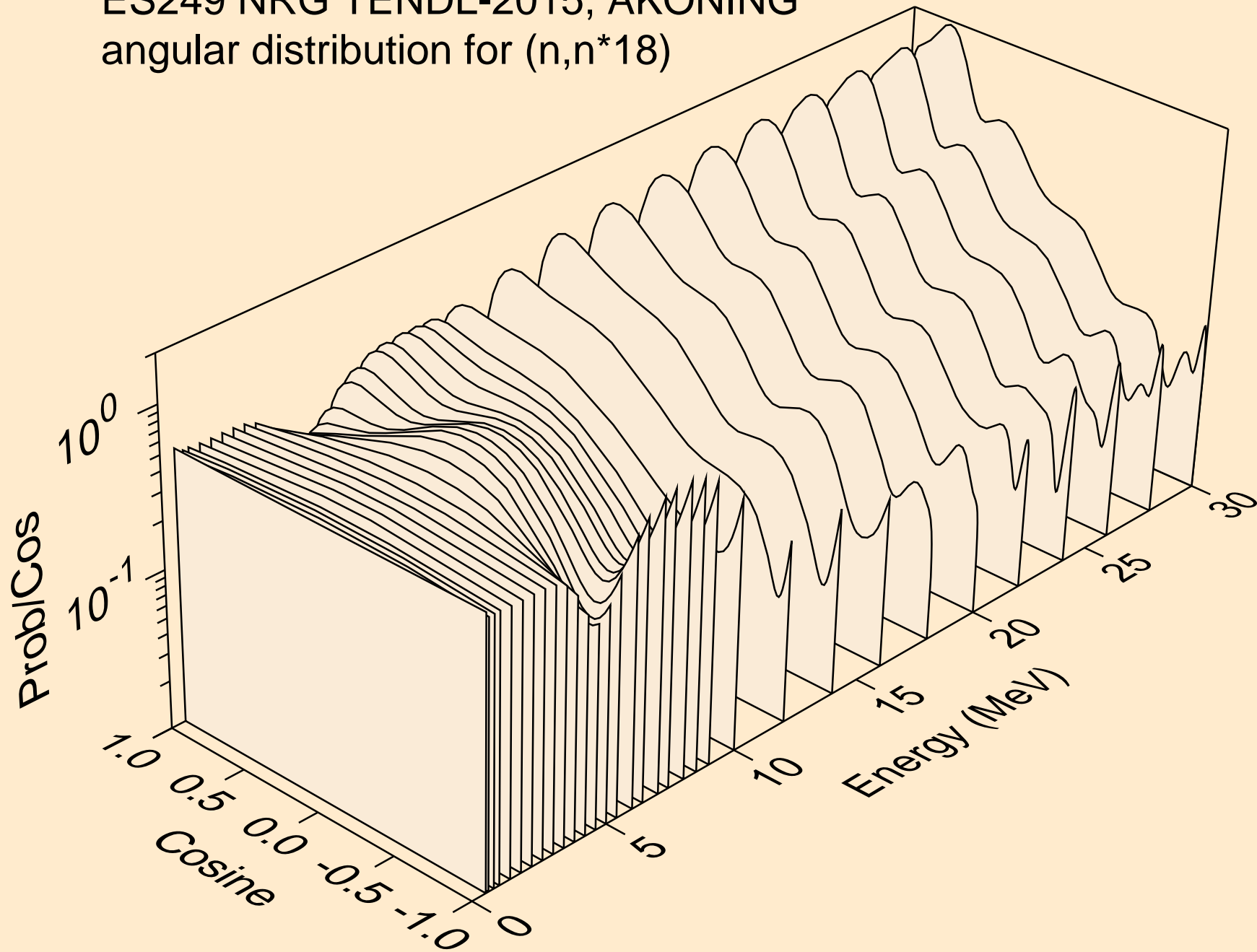




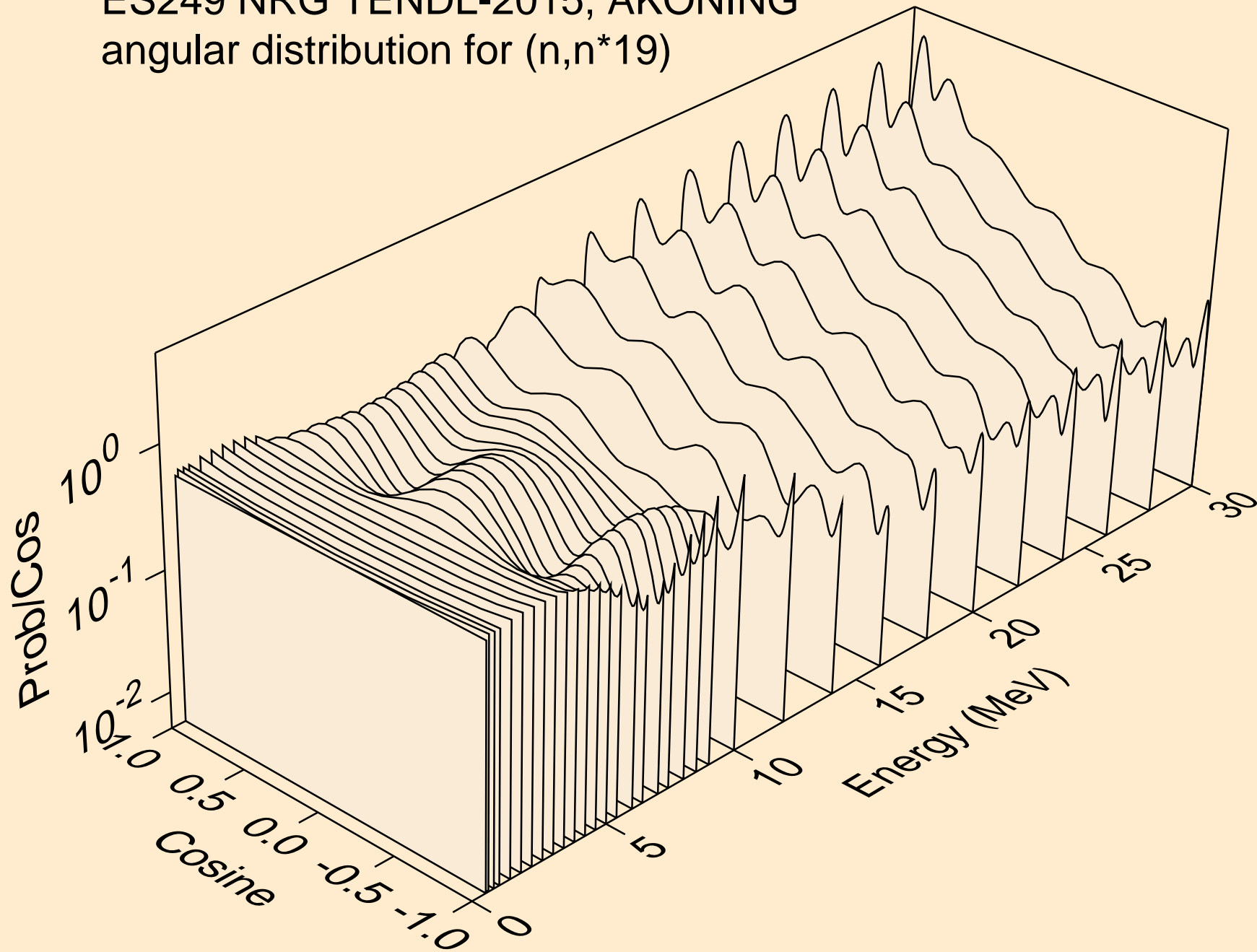
ES249 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



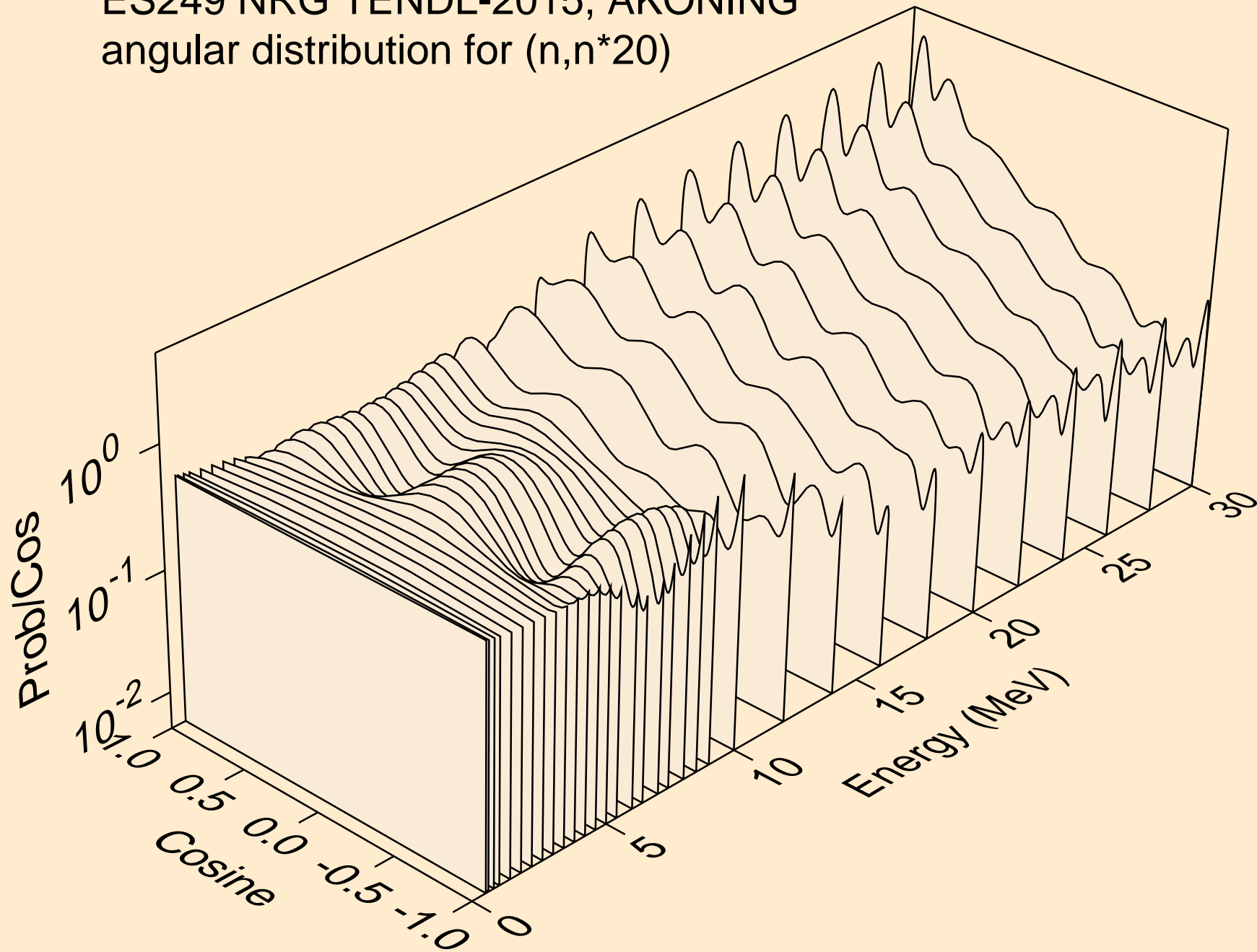
ES249 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



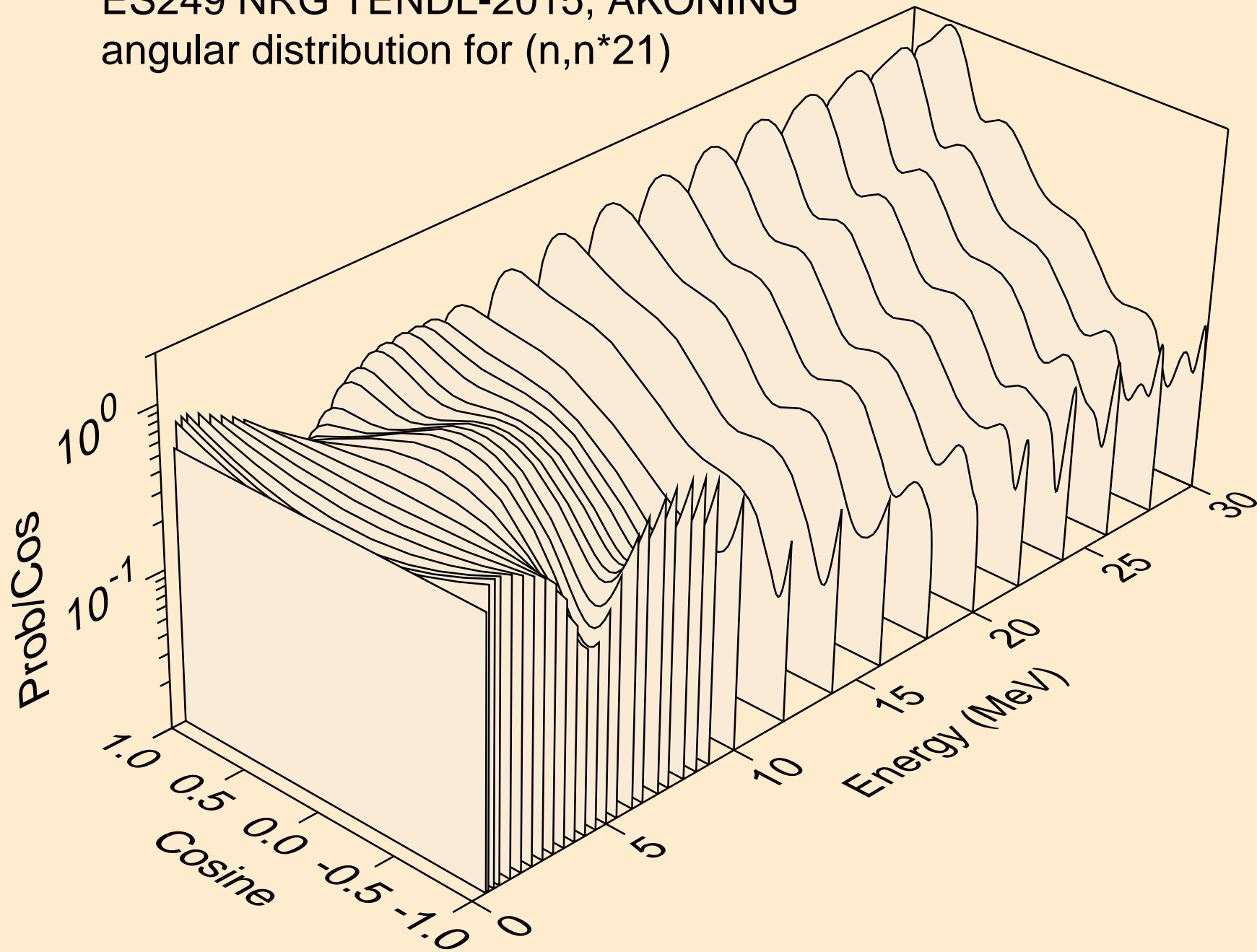
ES249 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



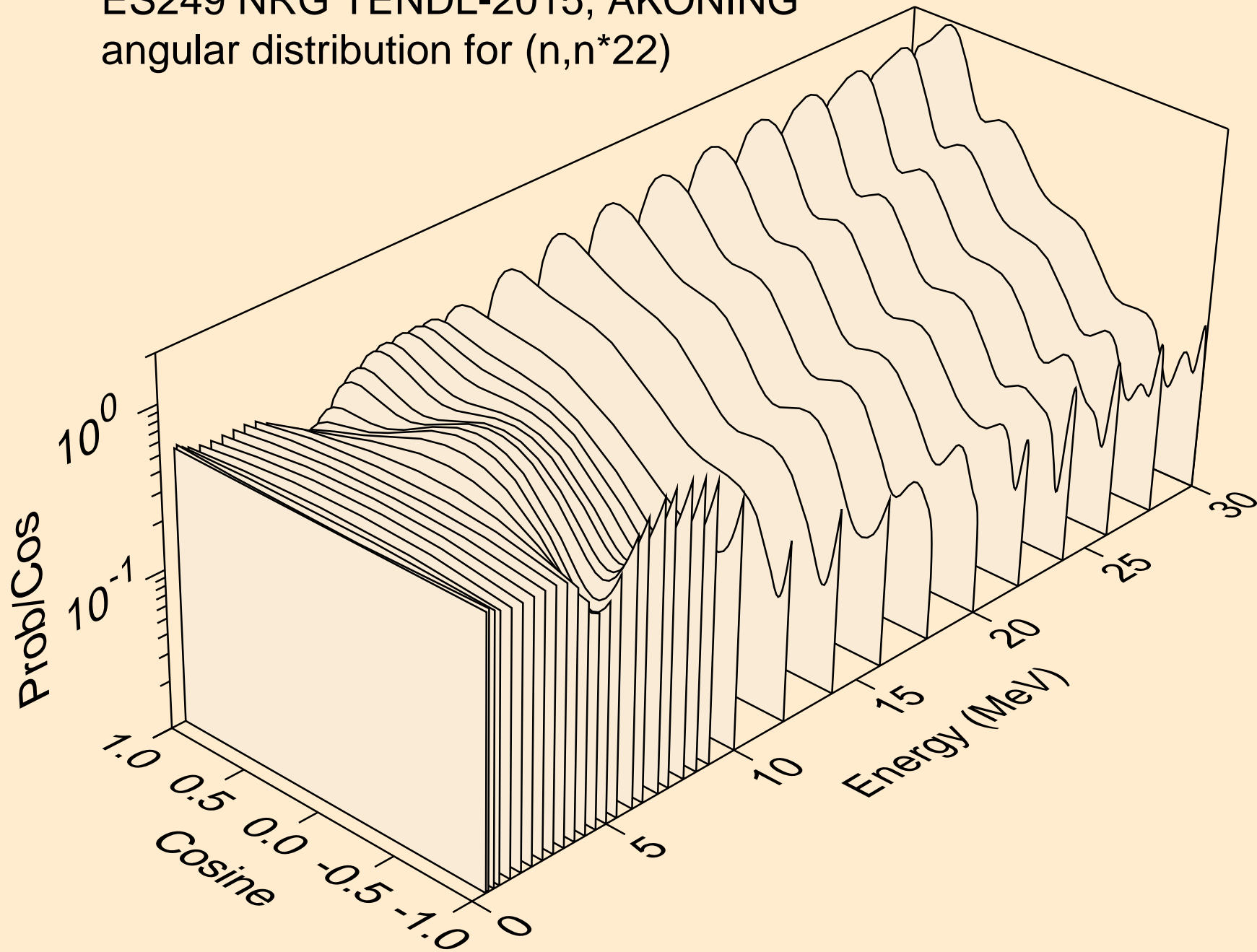
ES249 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



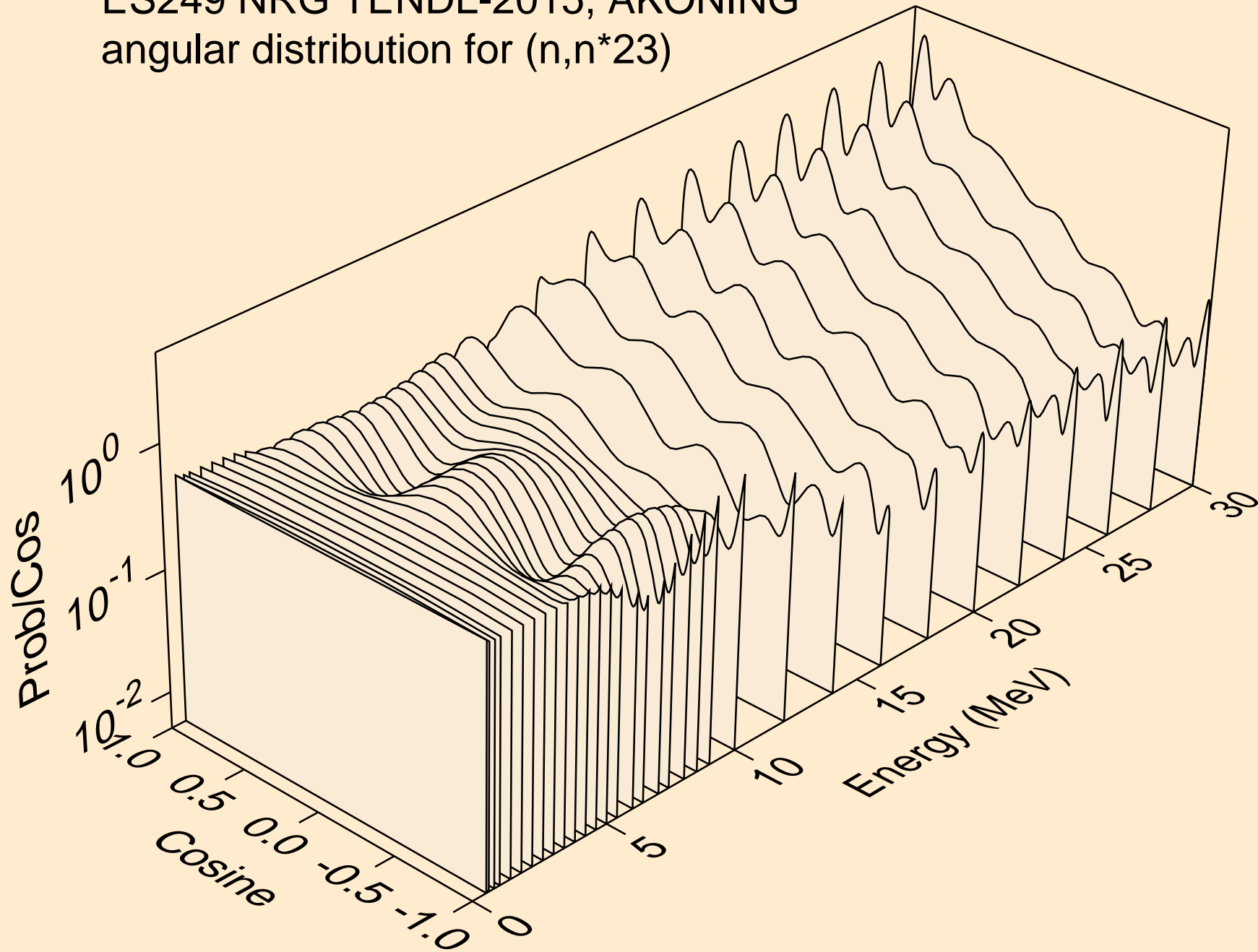
ES249 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)



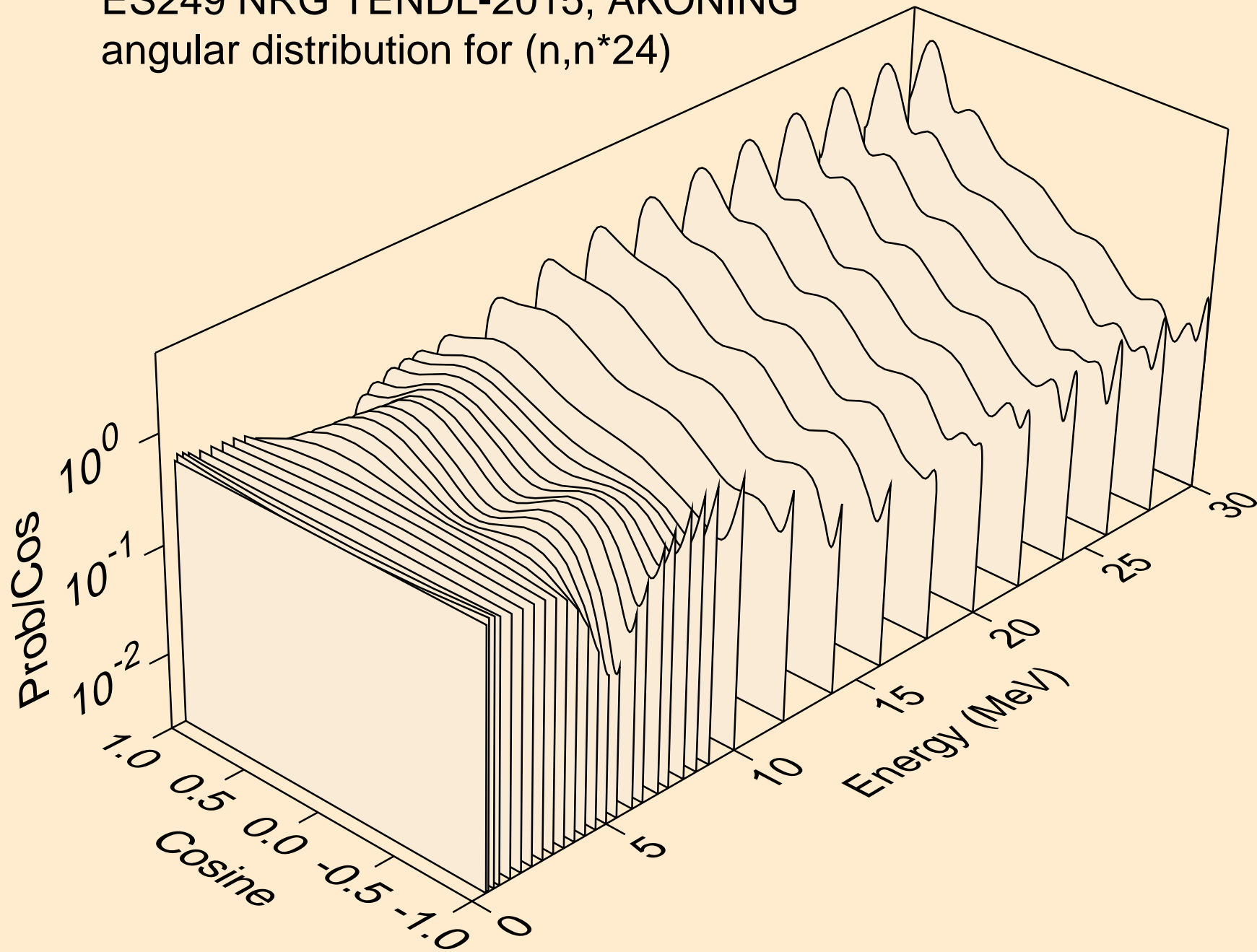
ES249 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)



ES249 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)

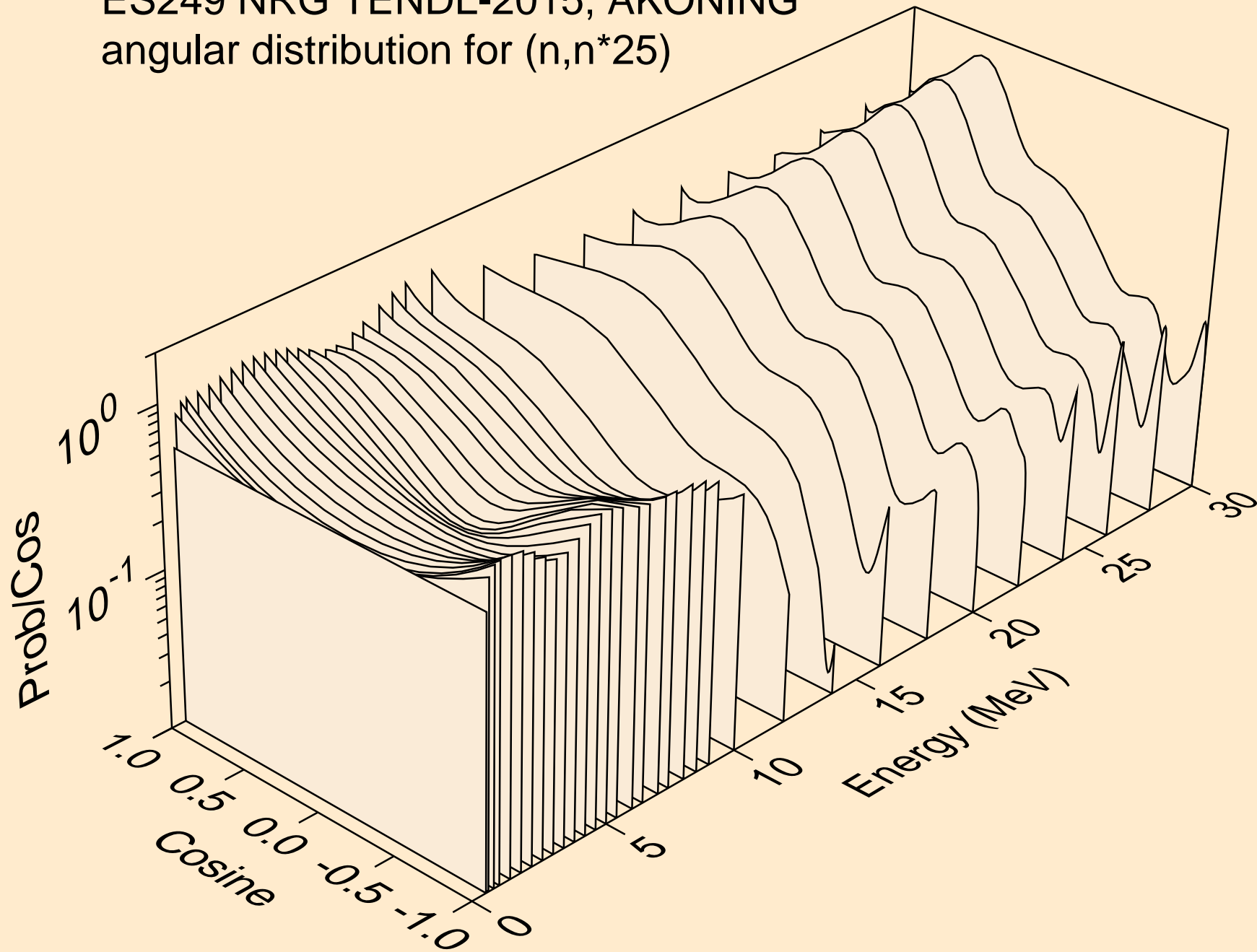


ES249 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)

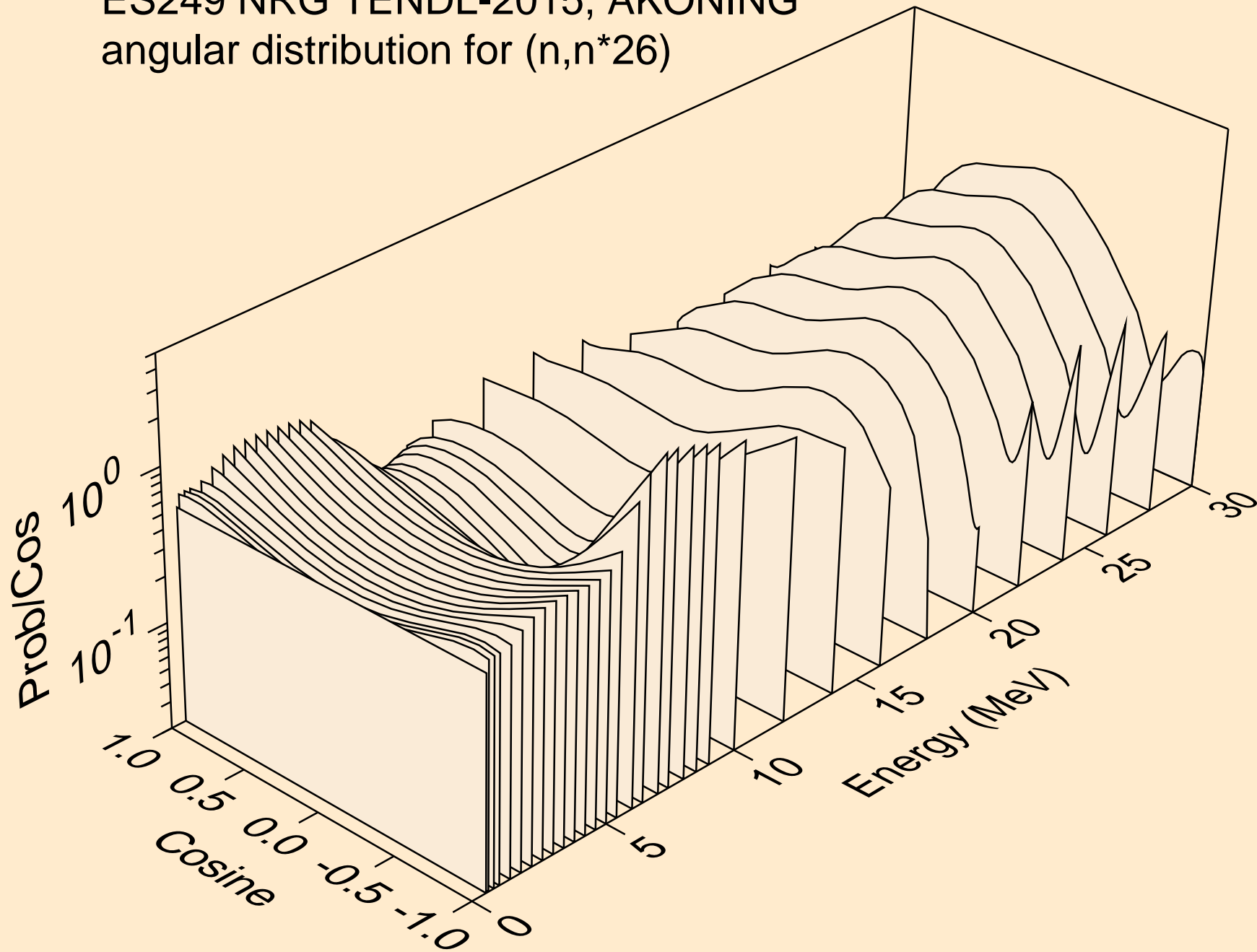




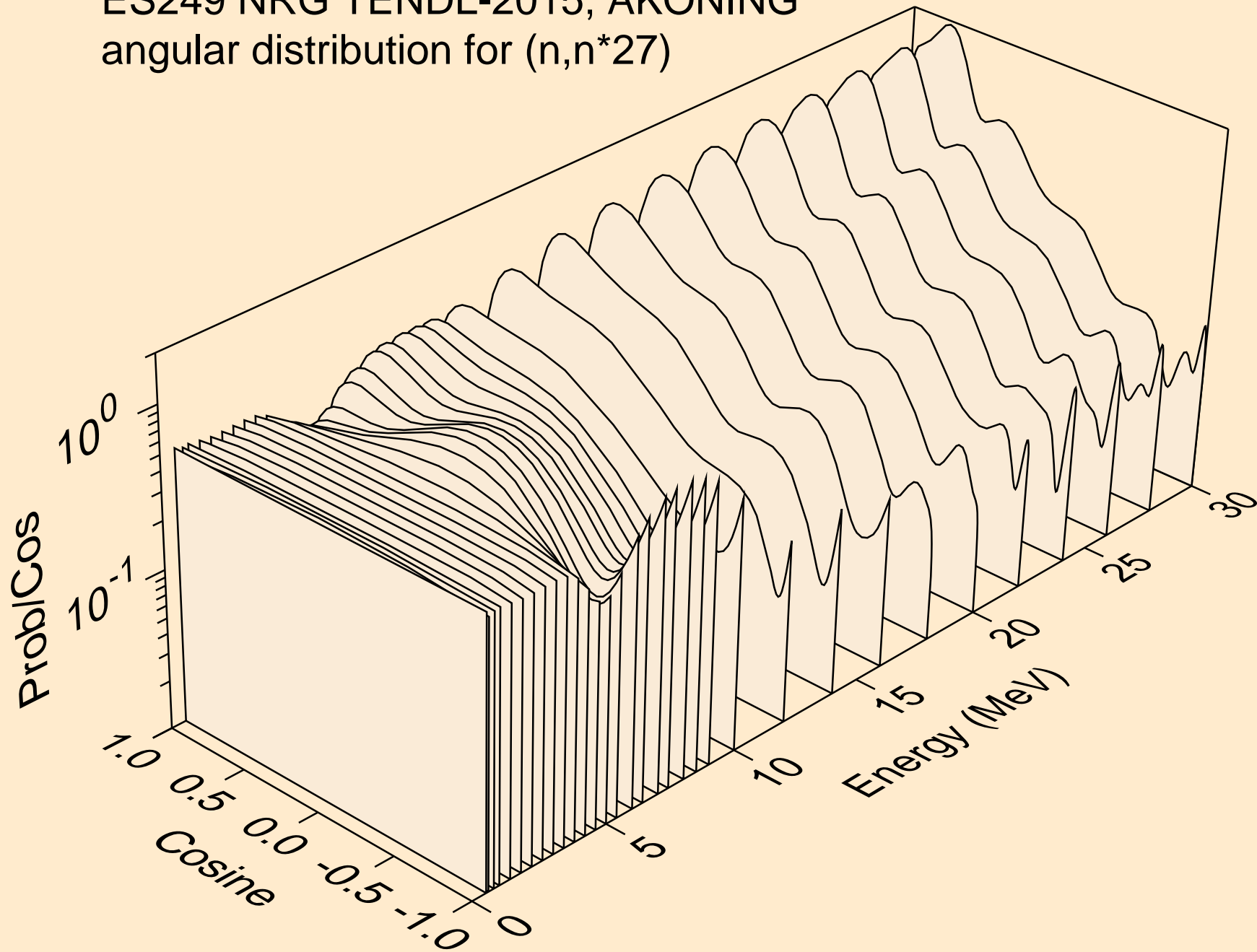
ES249 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



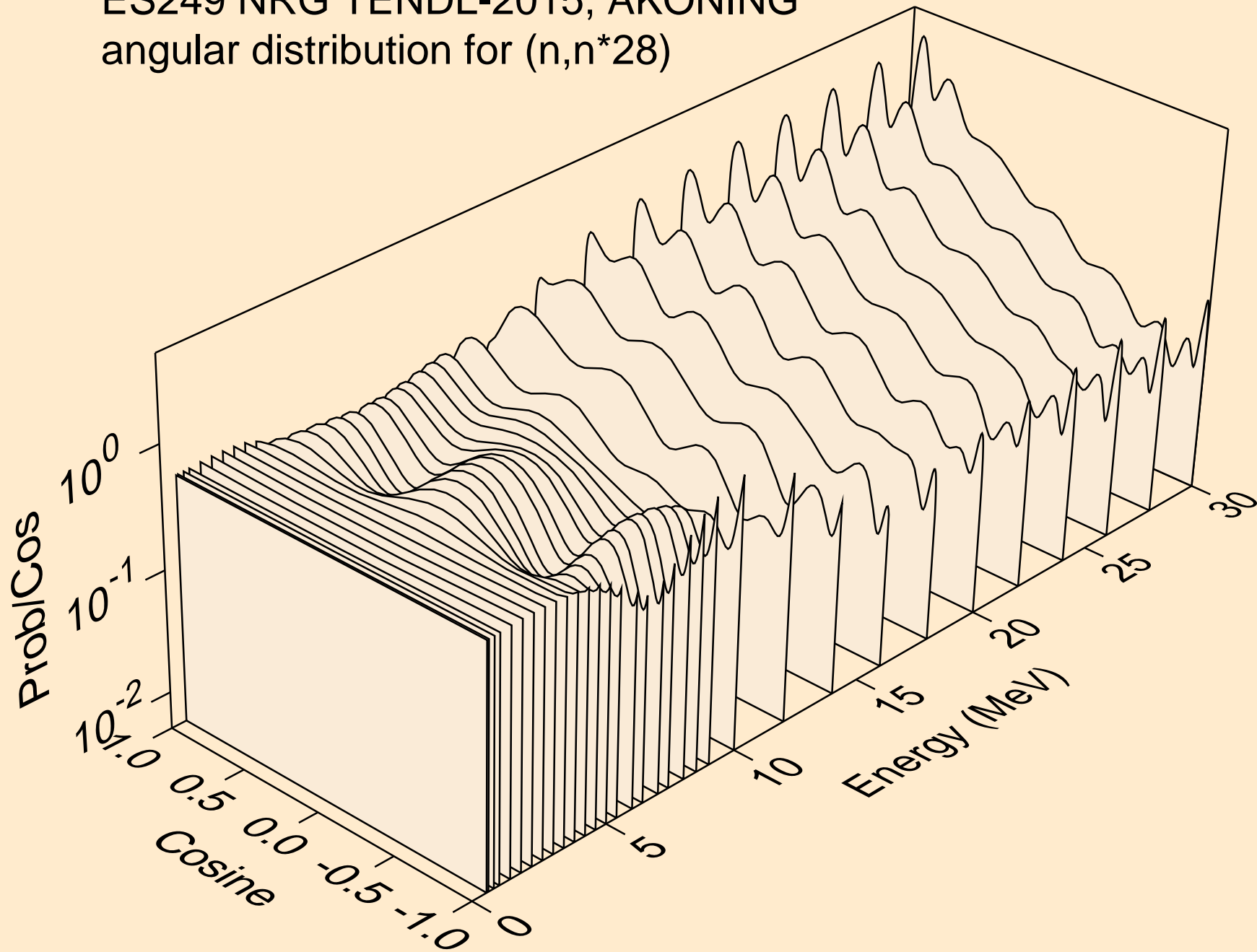
ES249 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



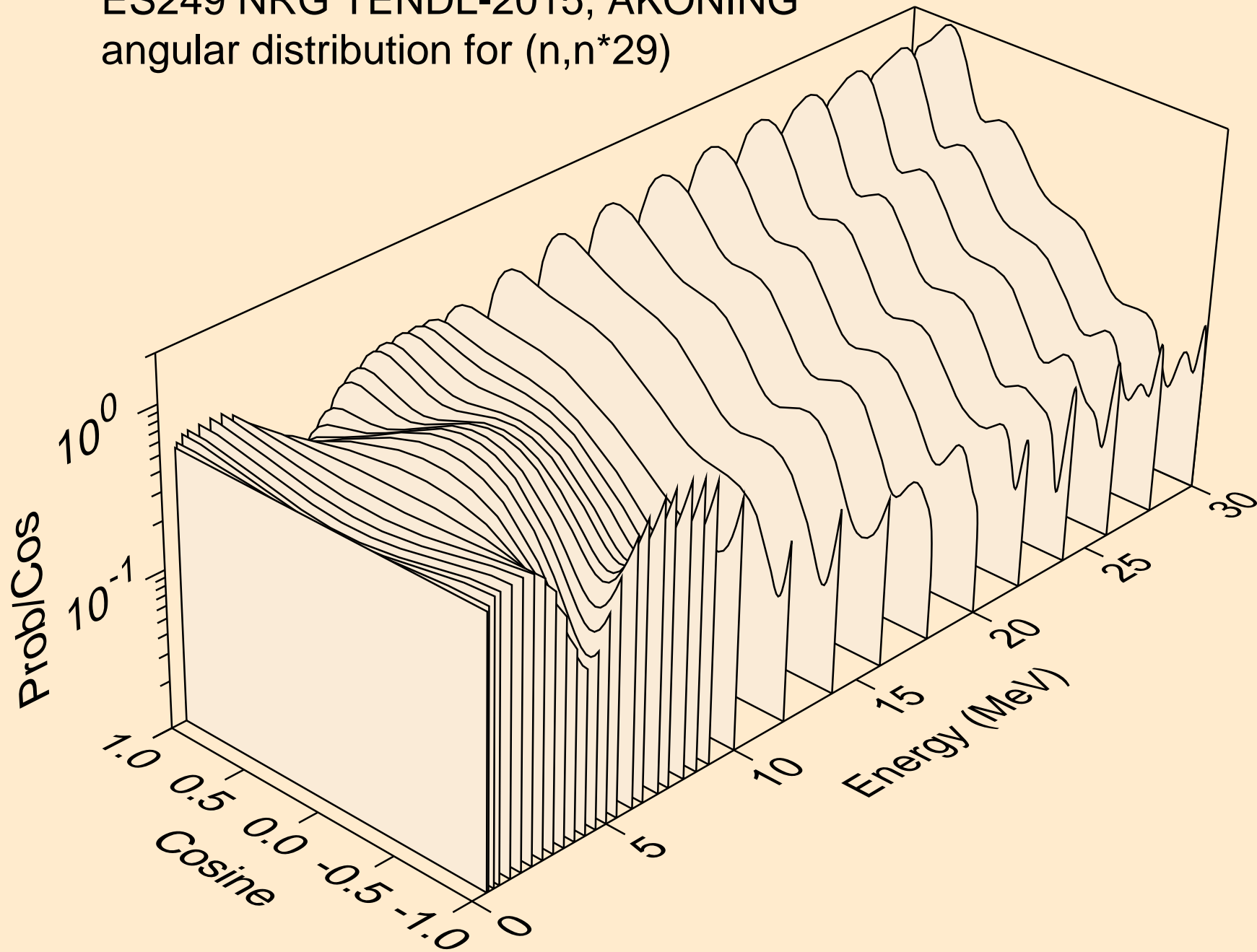
ES249 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*27)



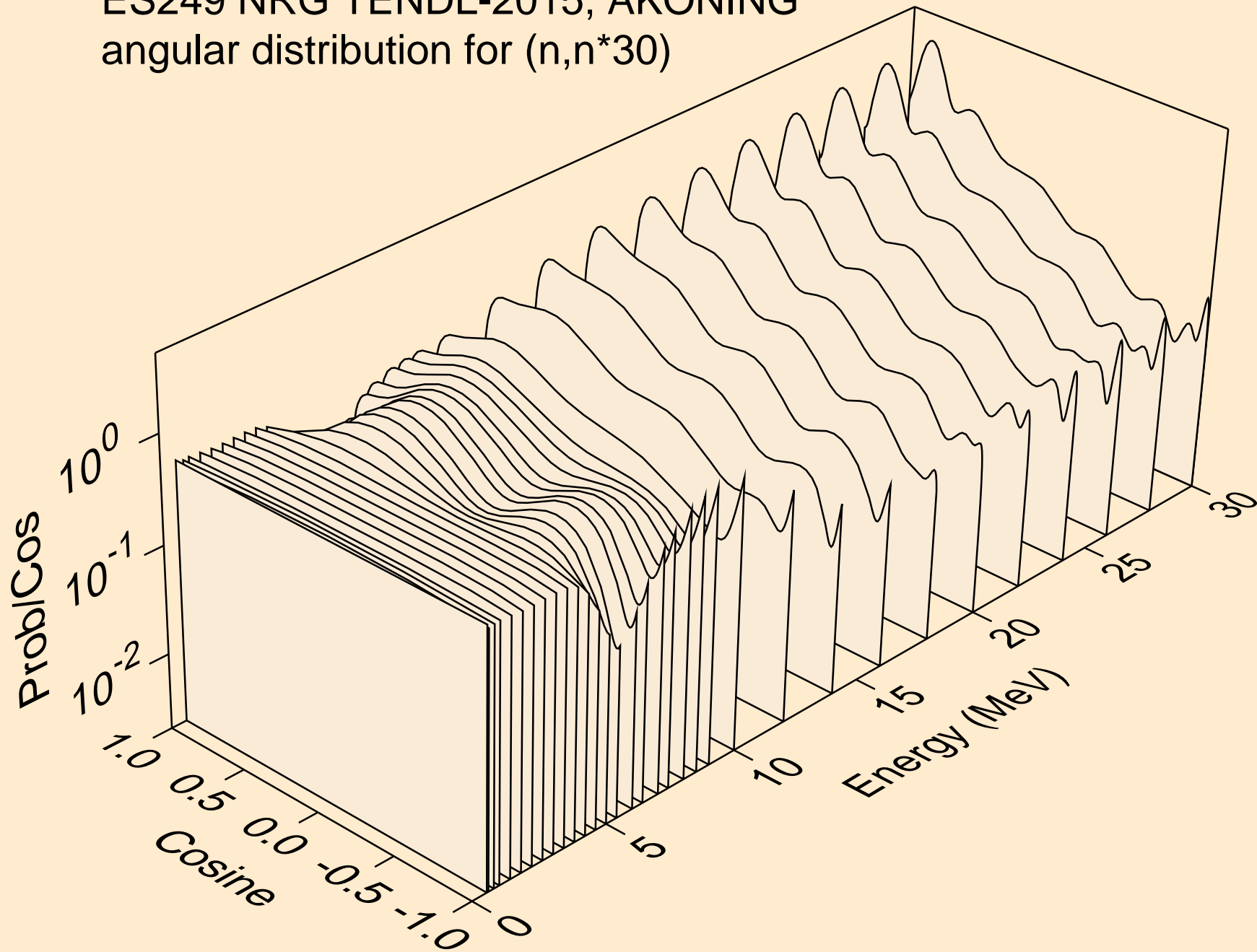
ES249 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)



ES249 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*29)

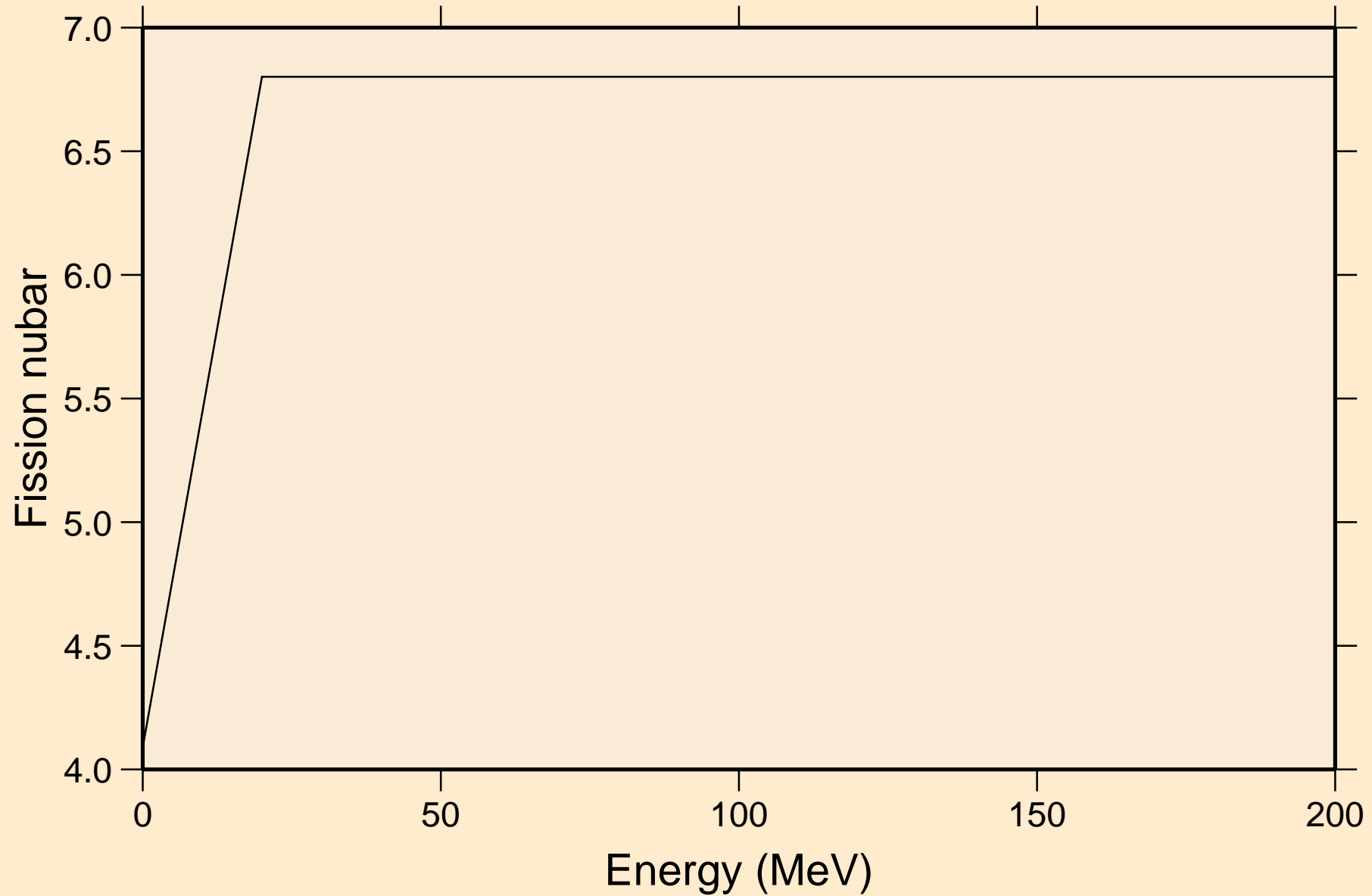


ES249 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*30)

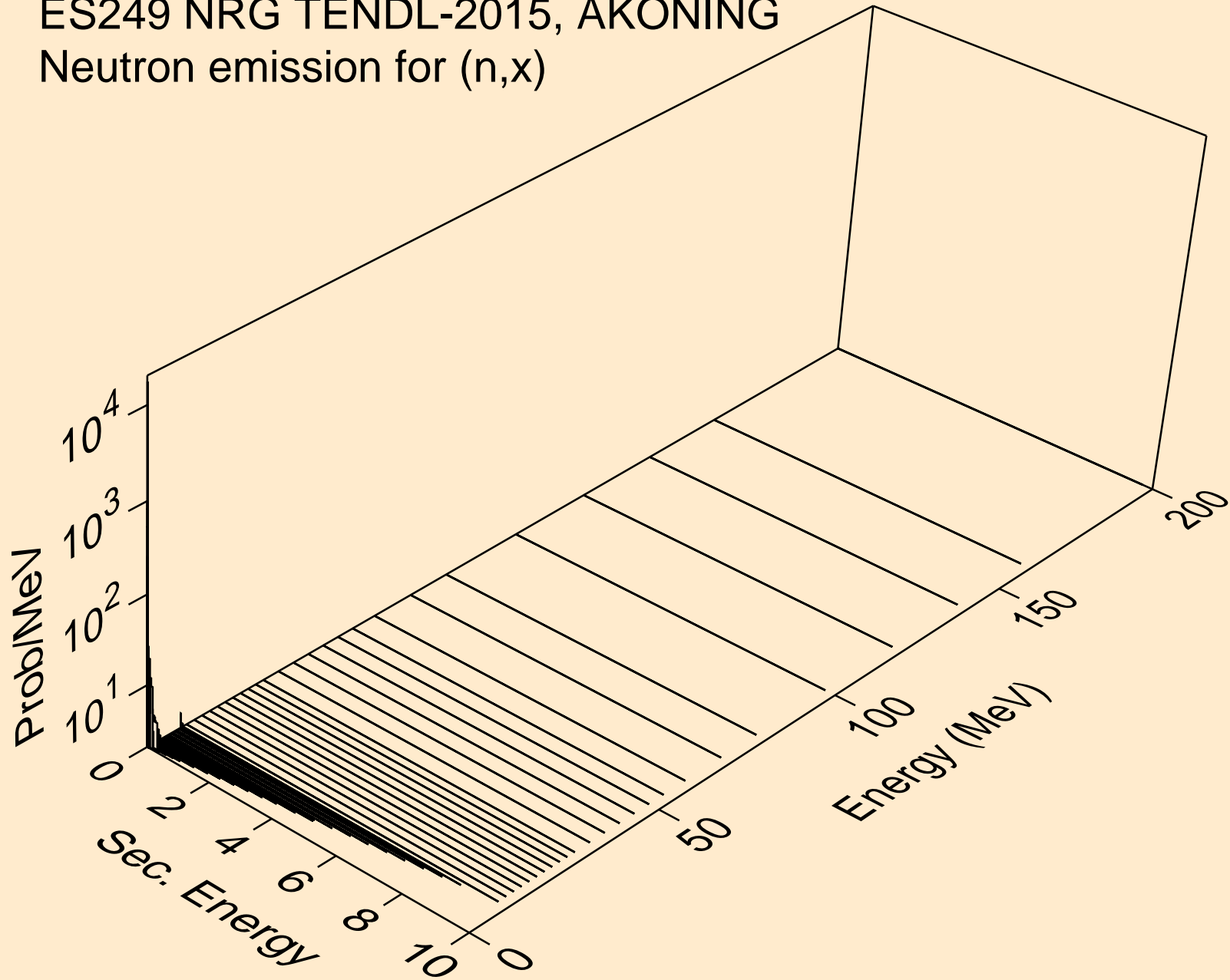


# ES249 NRG TENDL-2015, AKONING

Total fission nubar

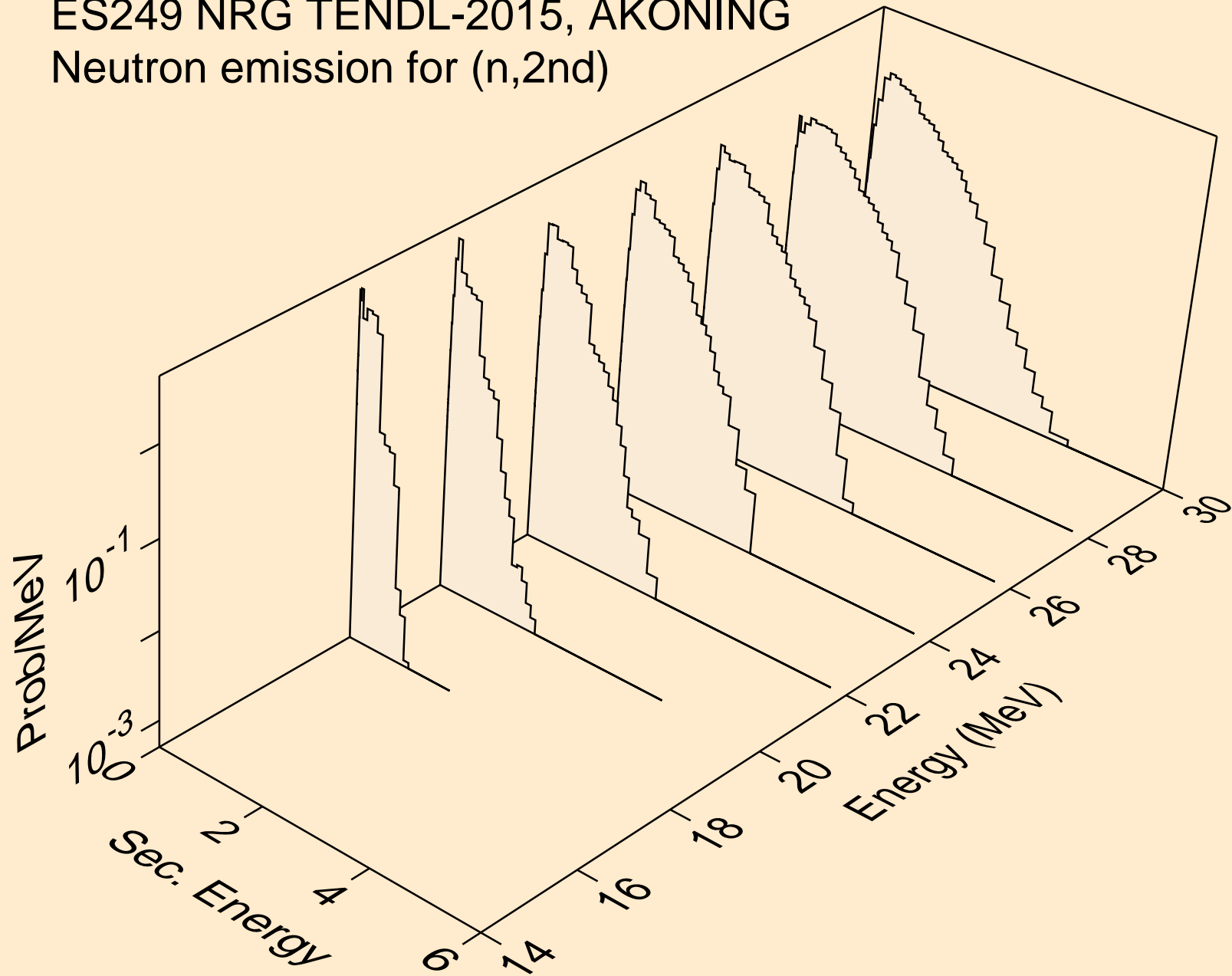


ES249 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)

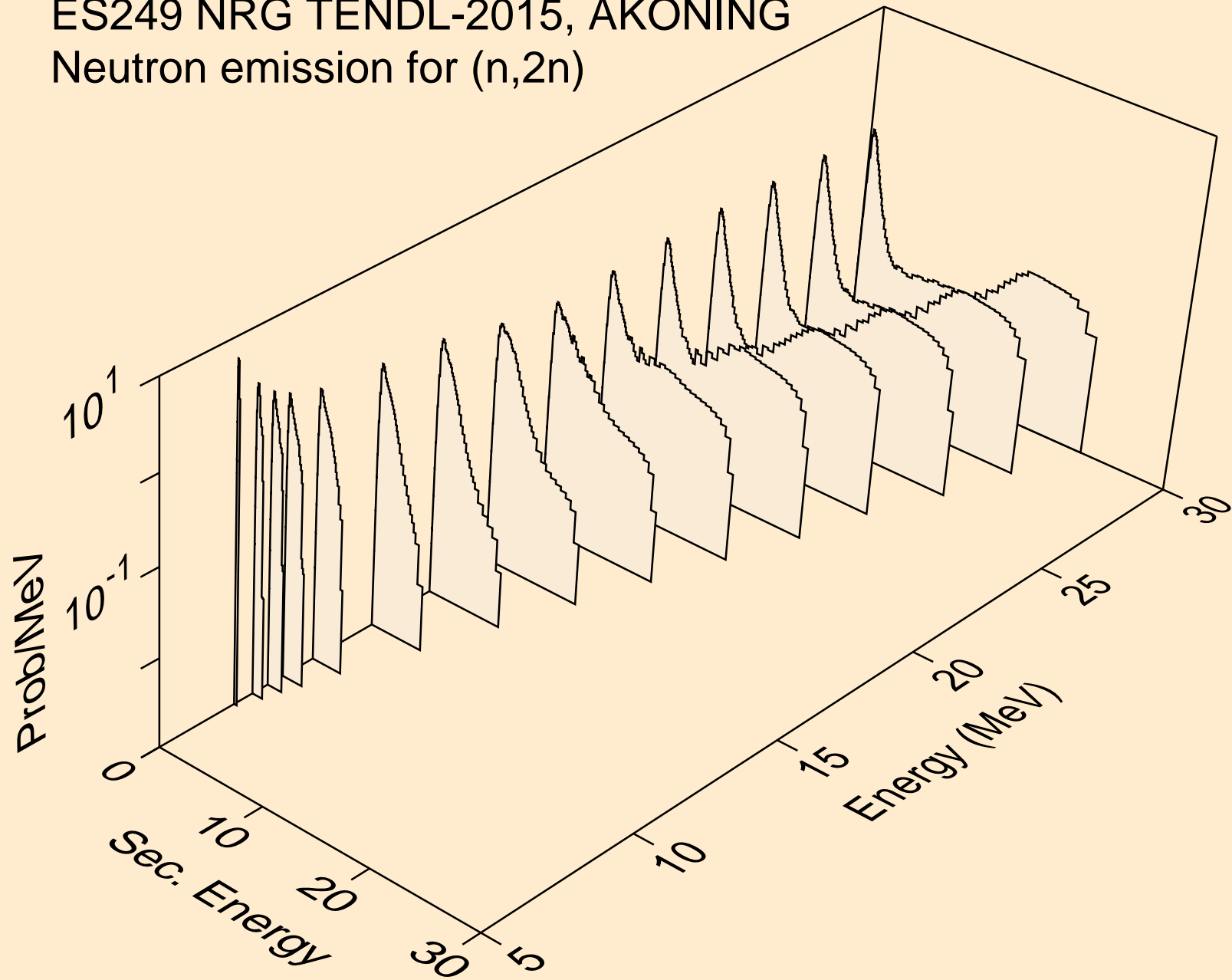




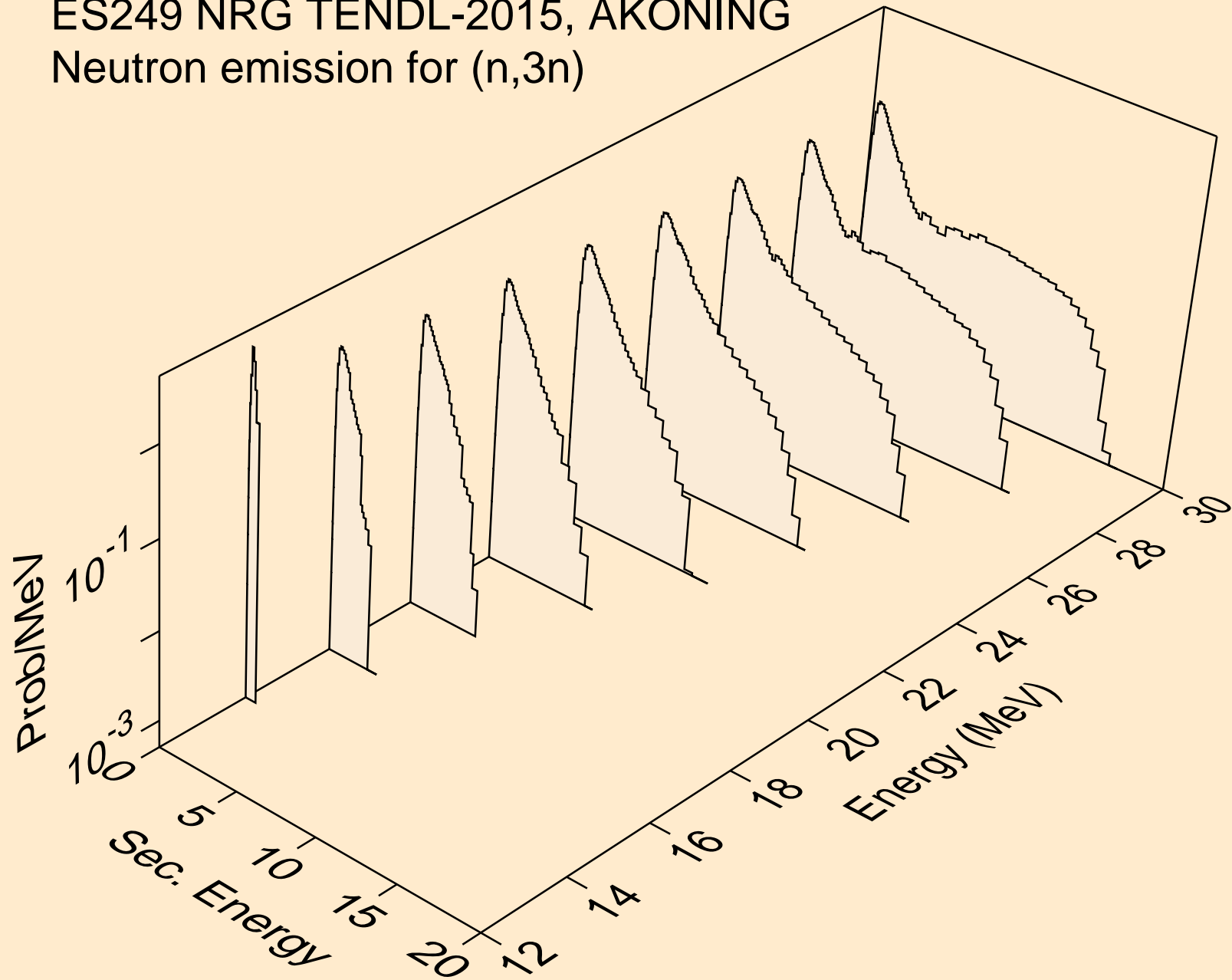
ES249 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



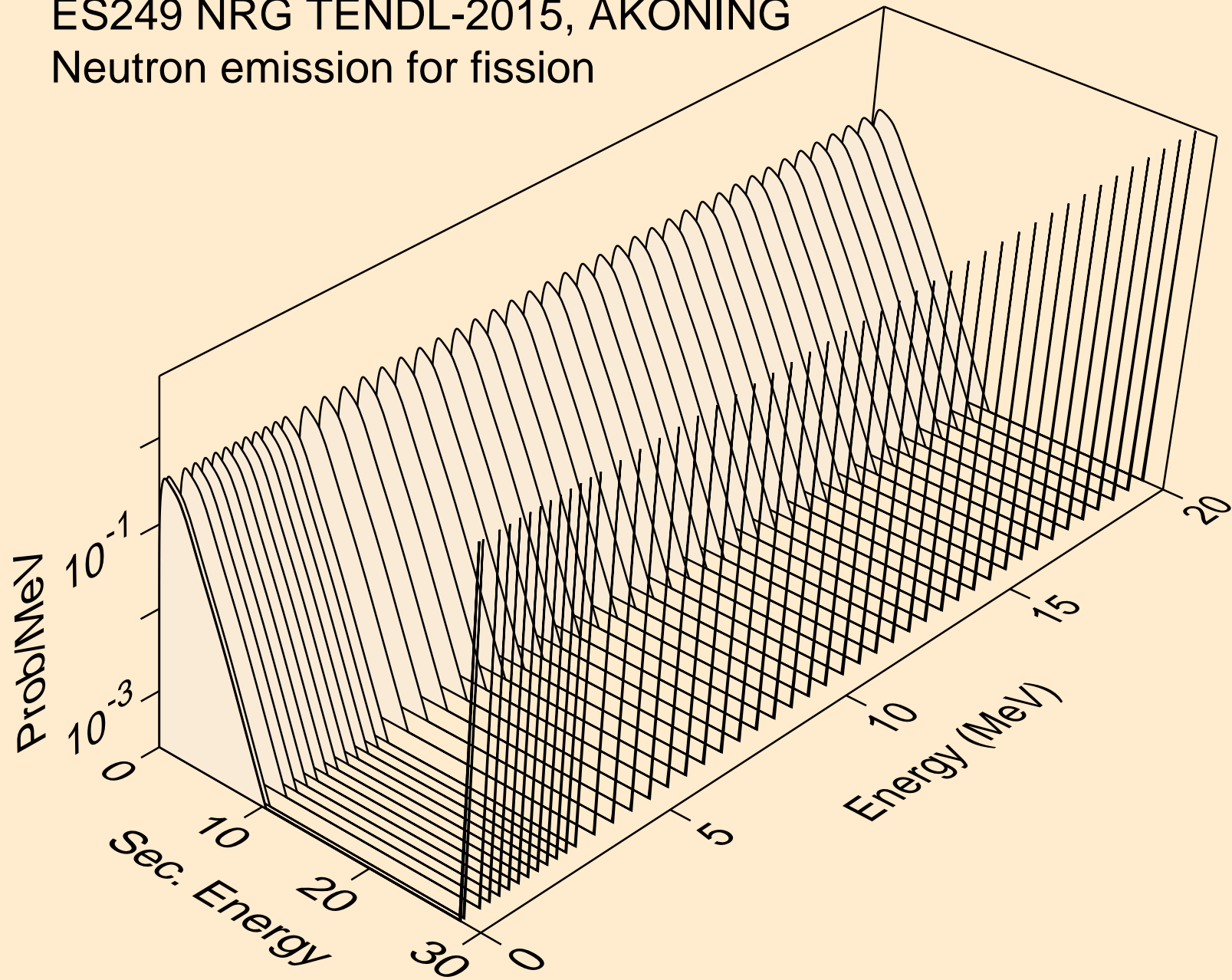
ES249 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



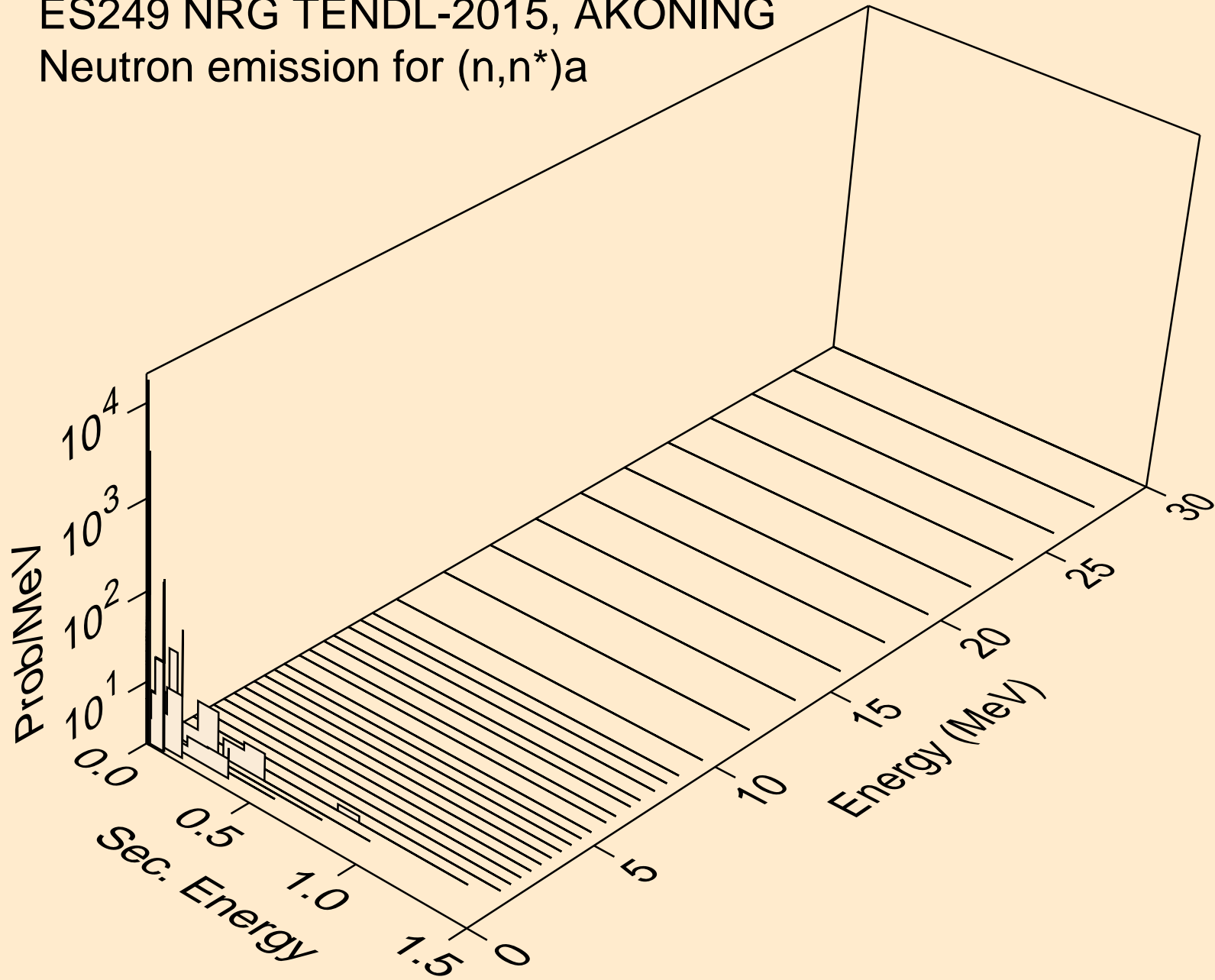
ES249 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



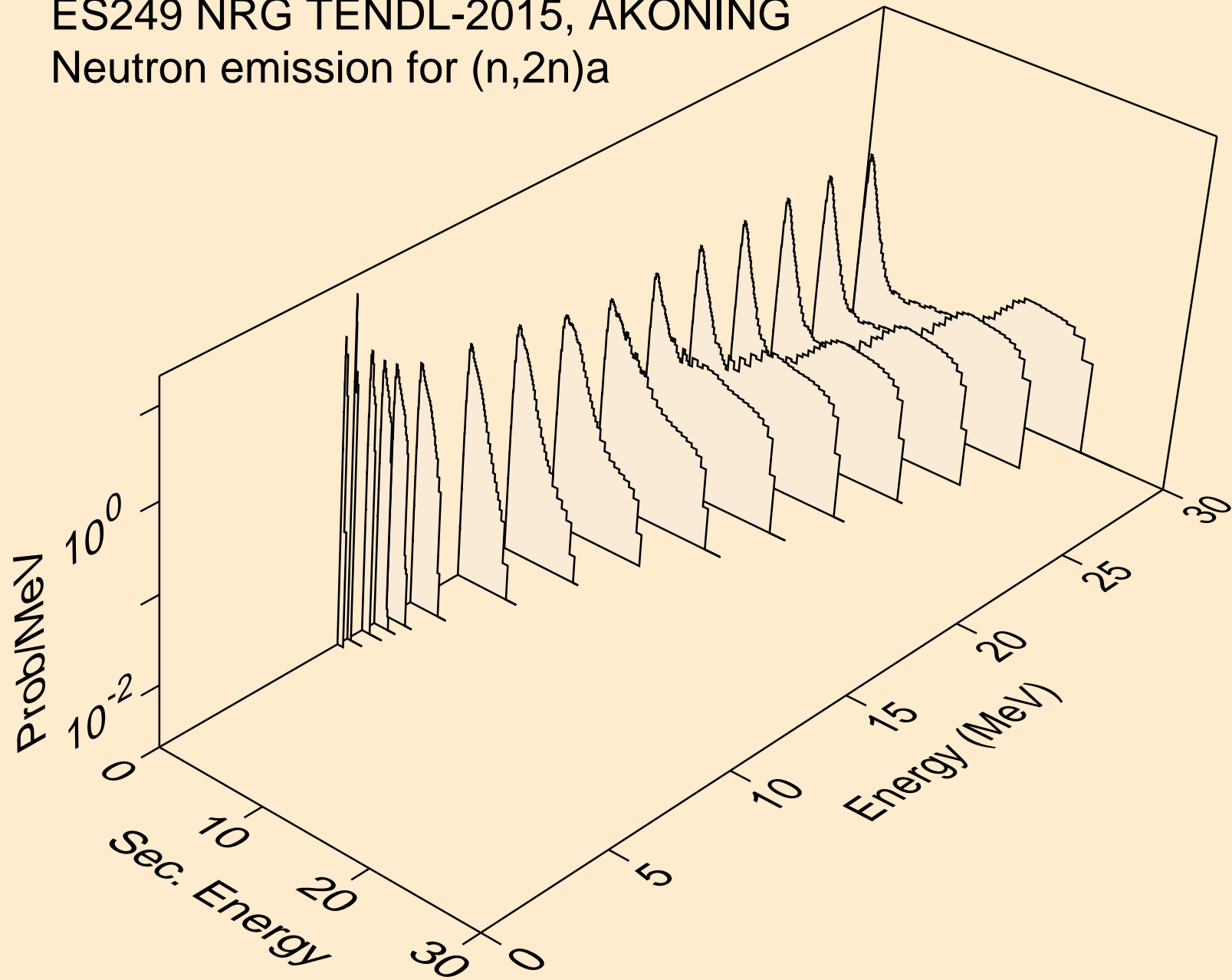
ES249 NRG TENDL-2015, AKONING  
Neutron emission for fission



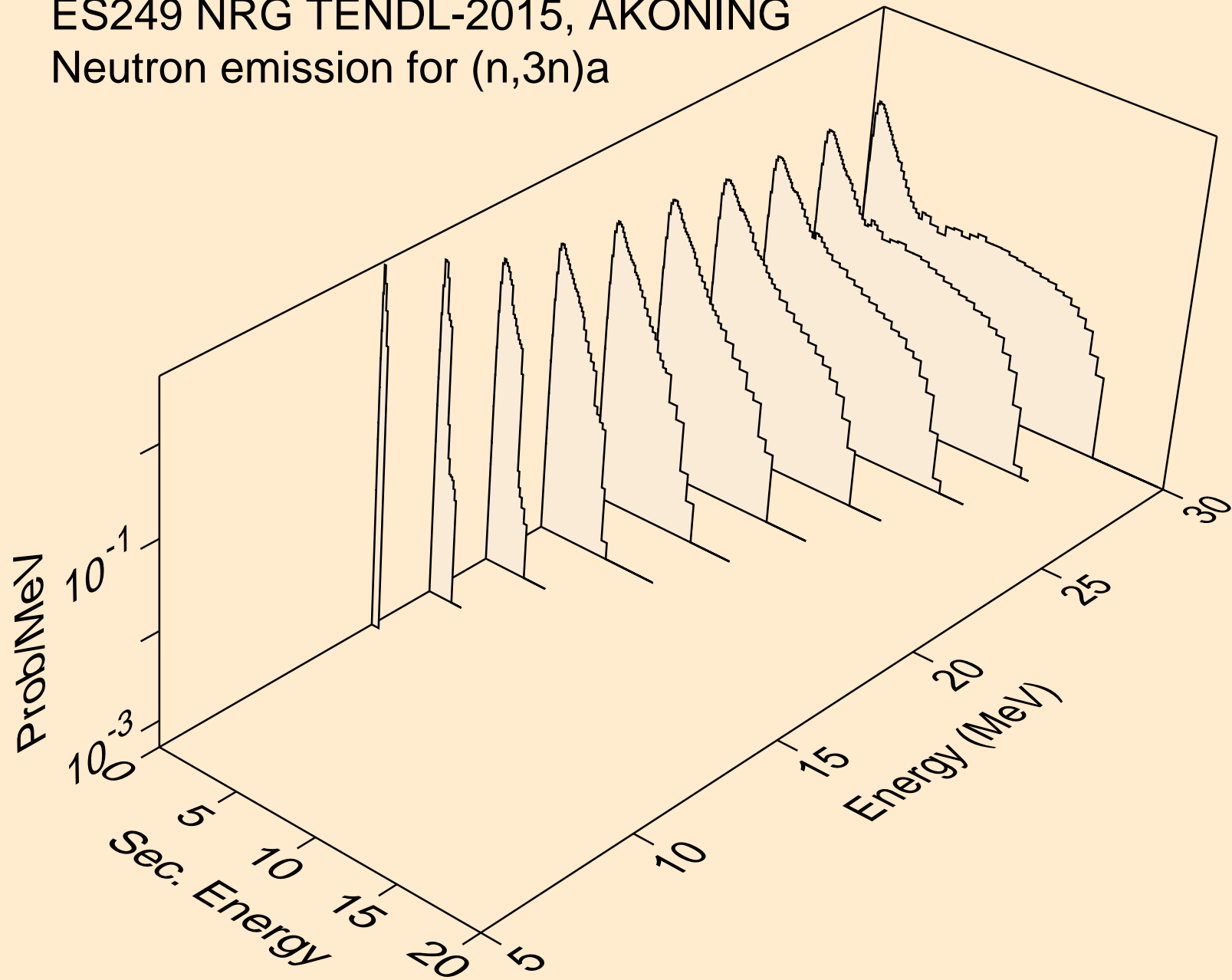
ES249 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



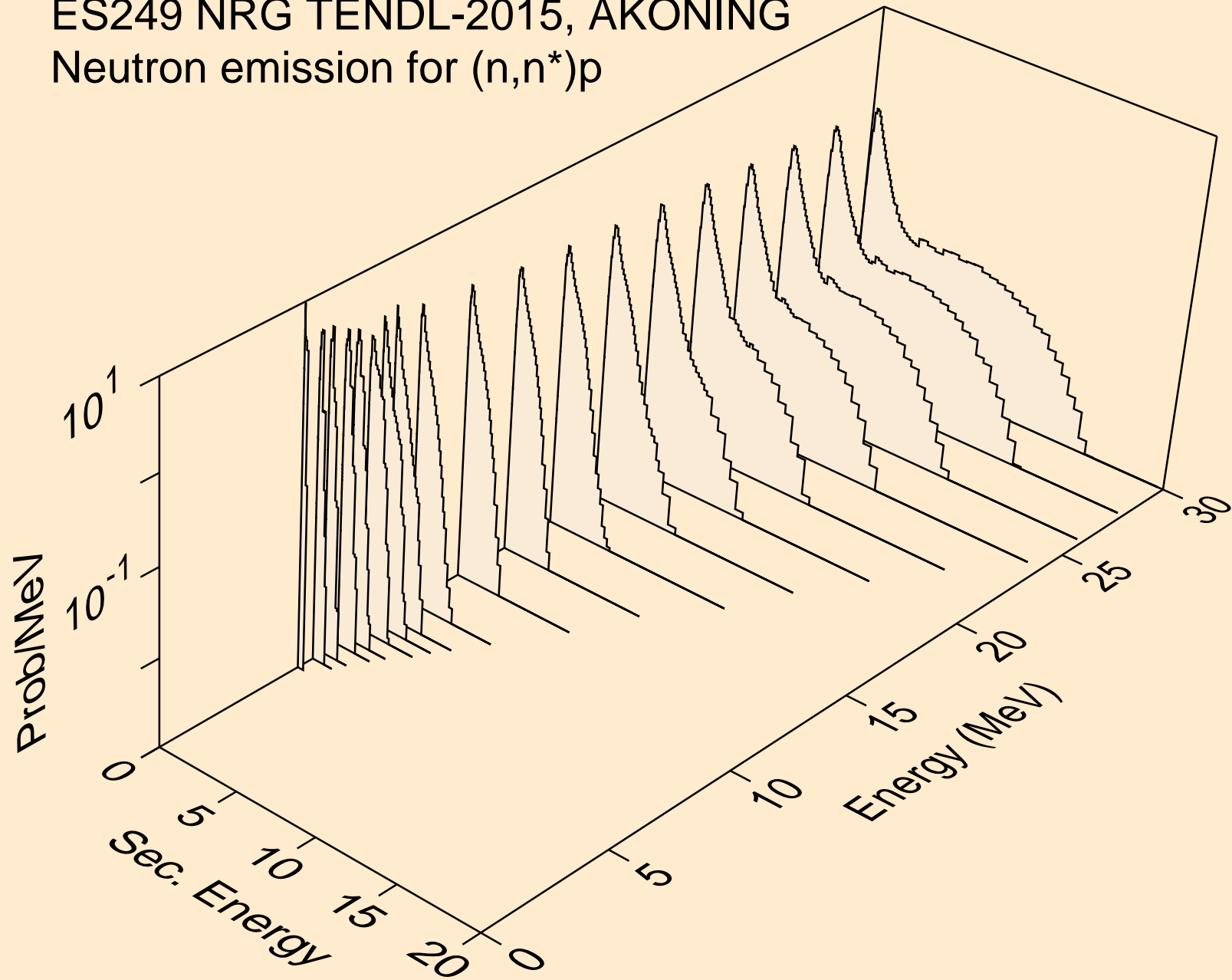
ES249 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



ES249 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a

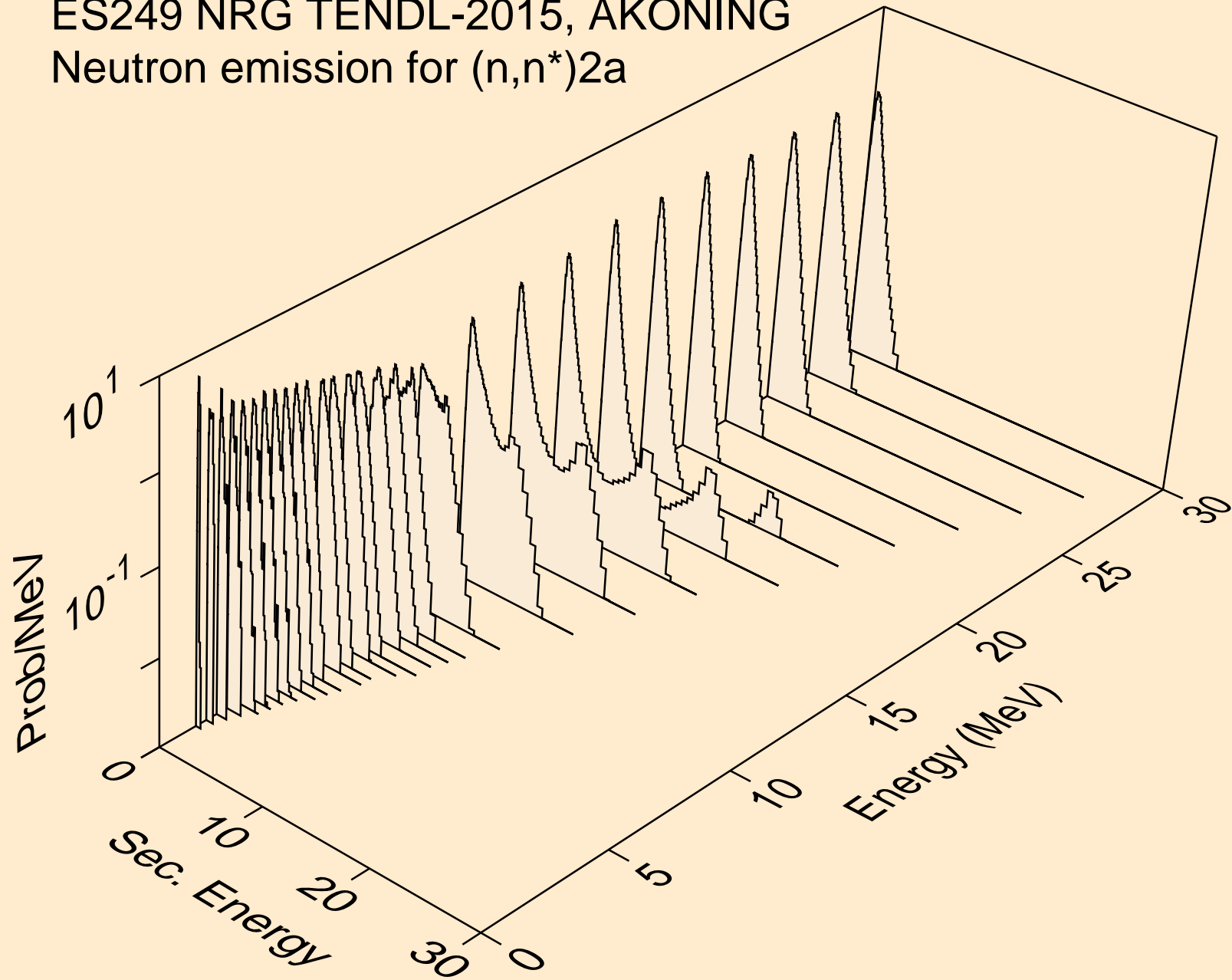


ES249 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p

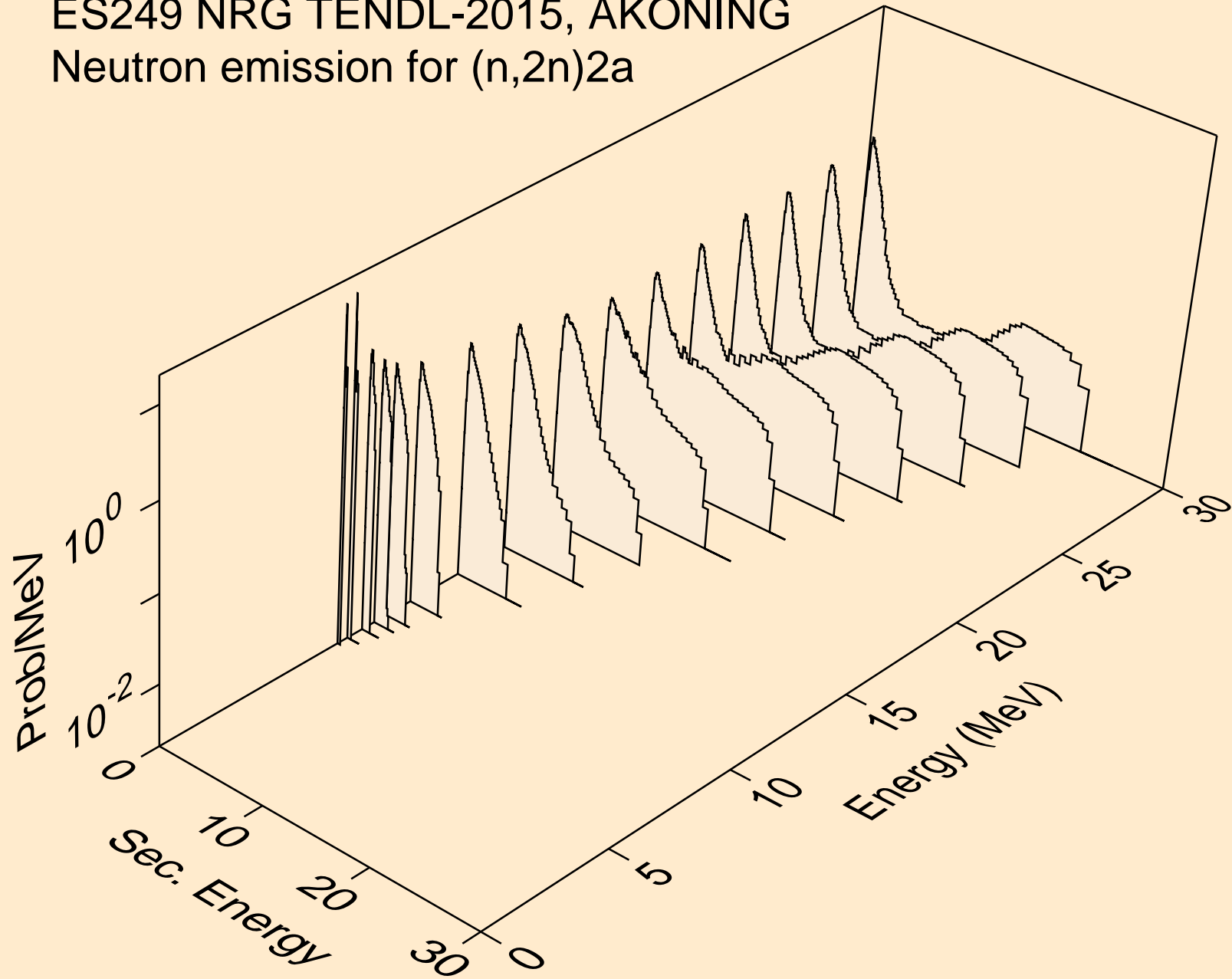




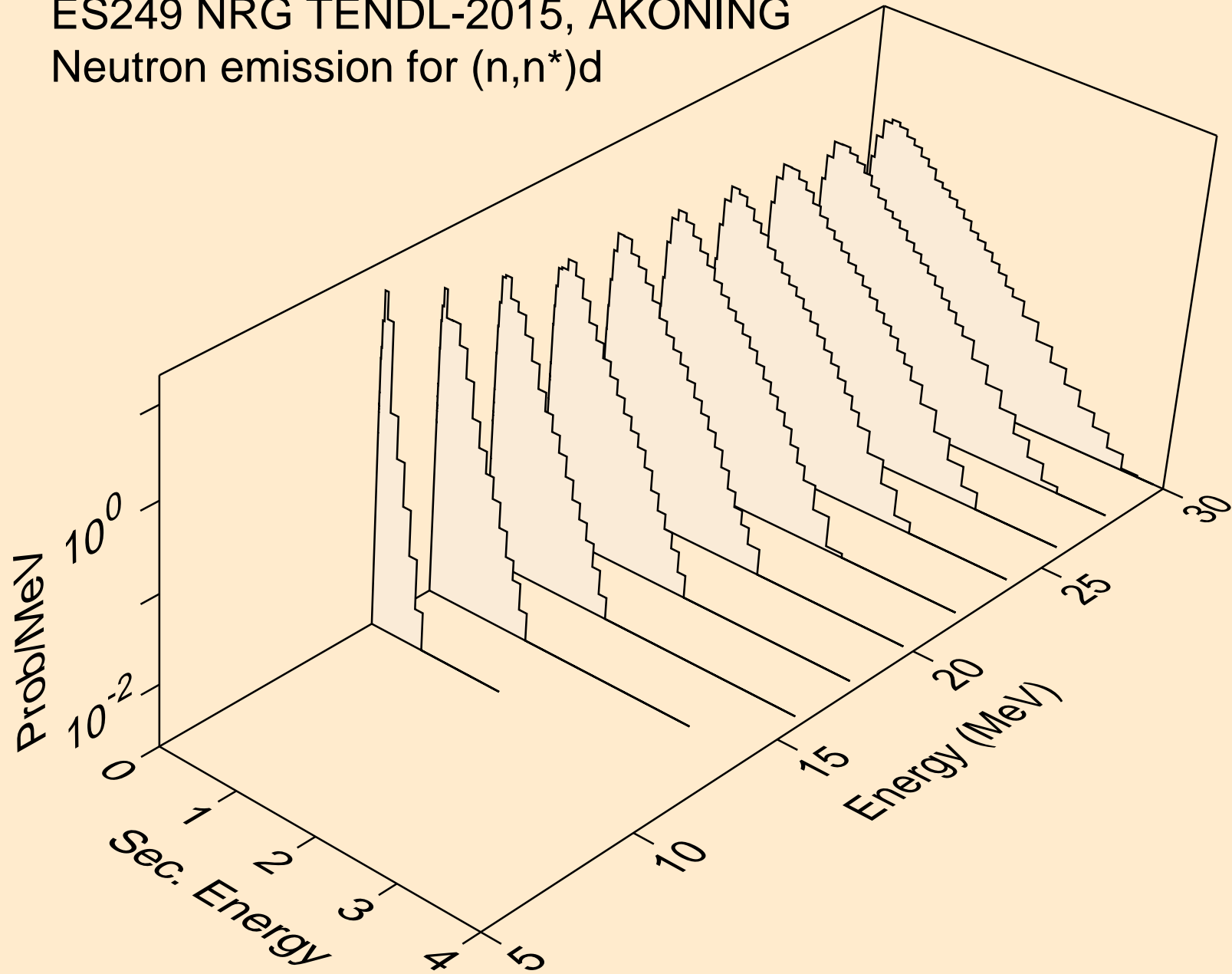
ES249 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



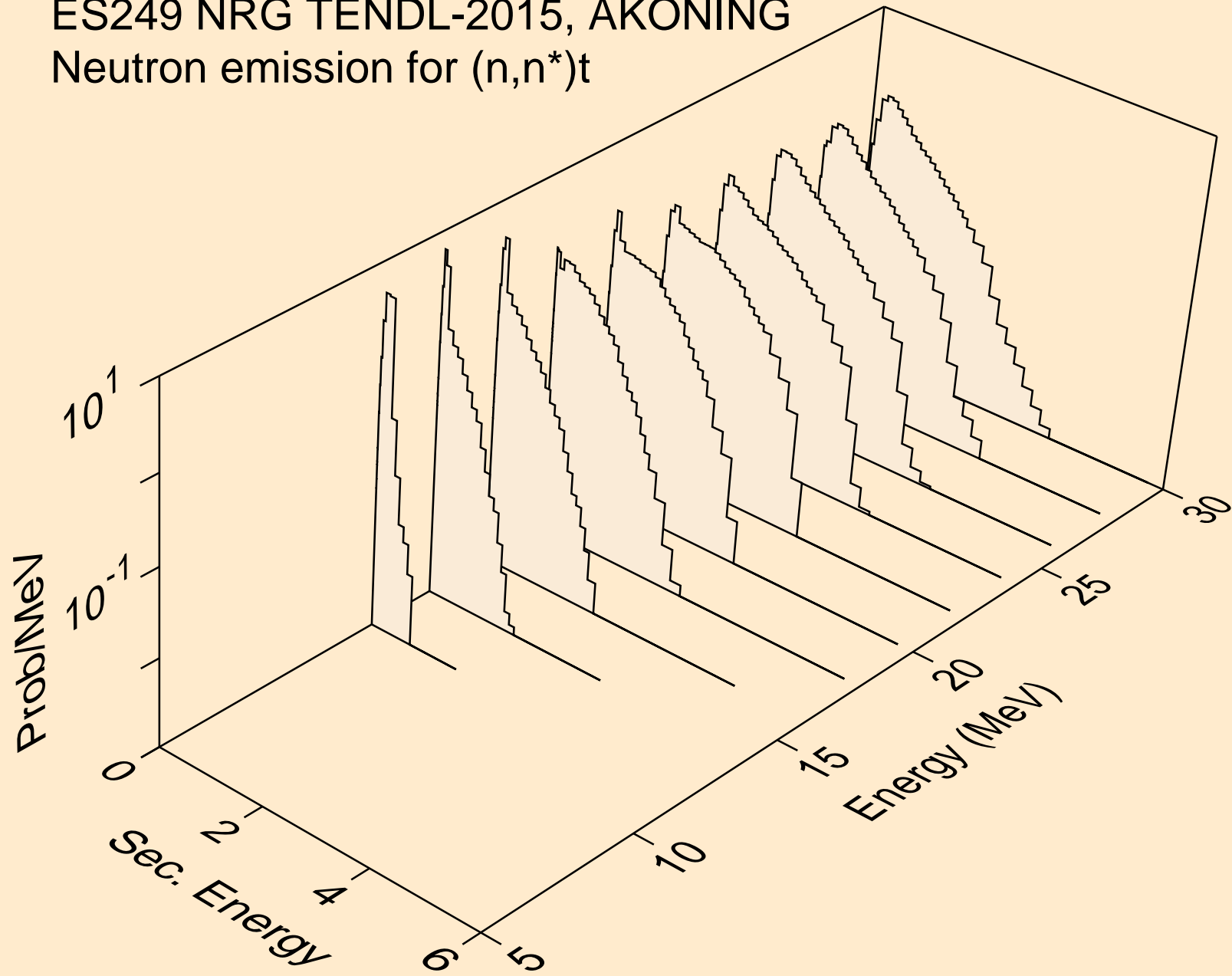
ES249 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)2a



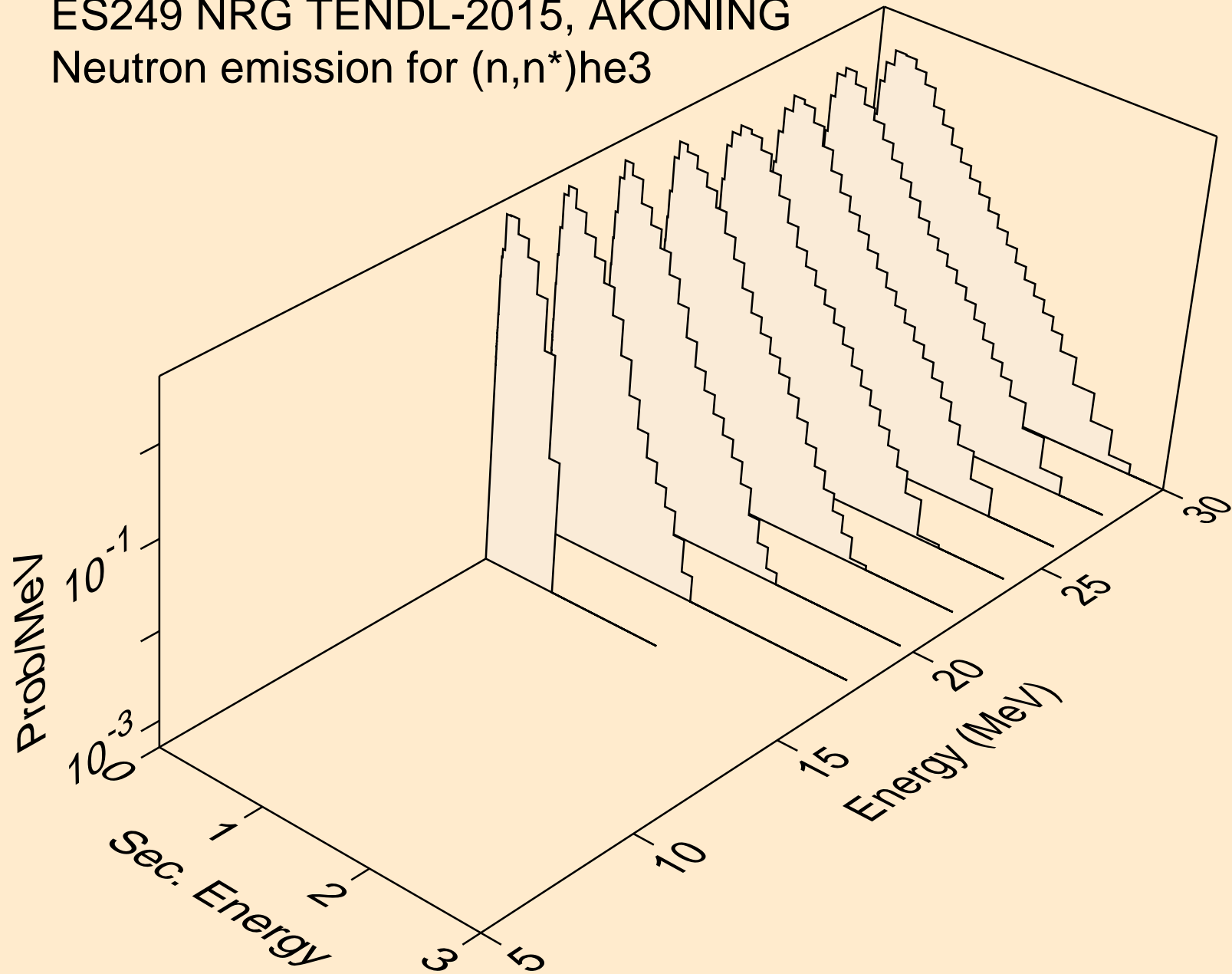
ES249 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



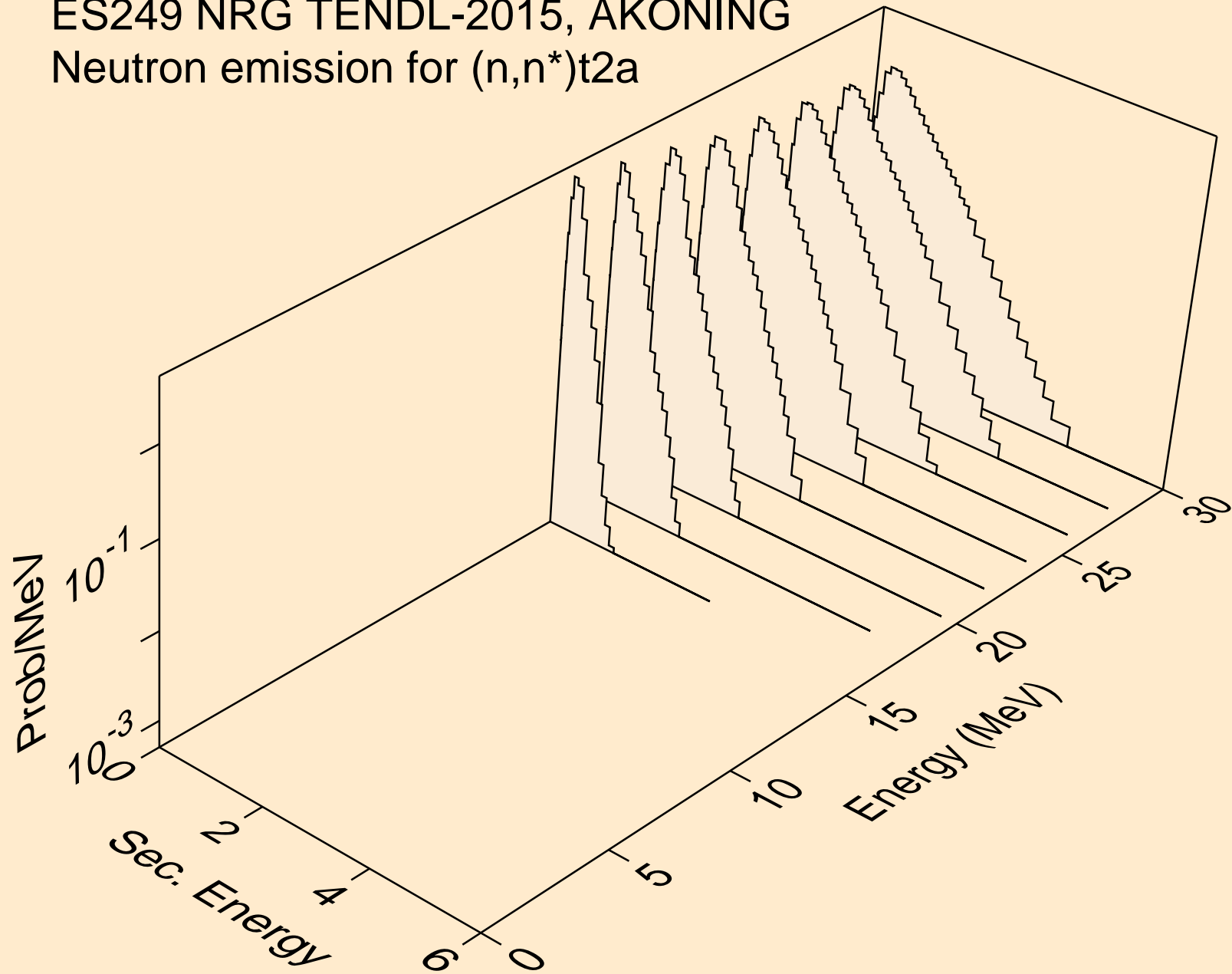
ES249 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



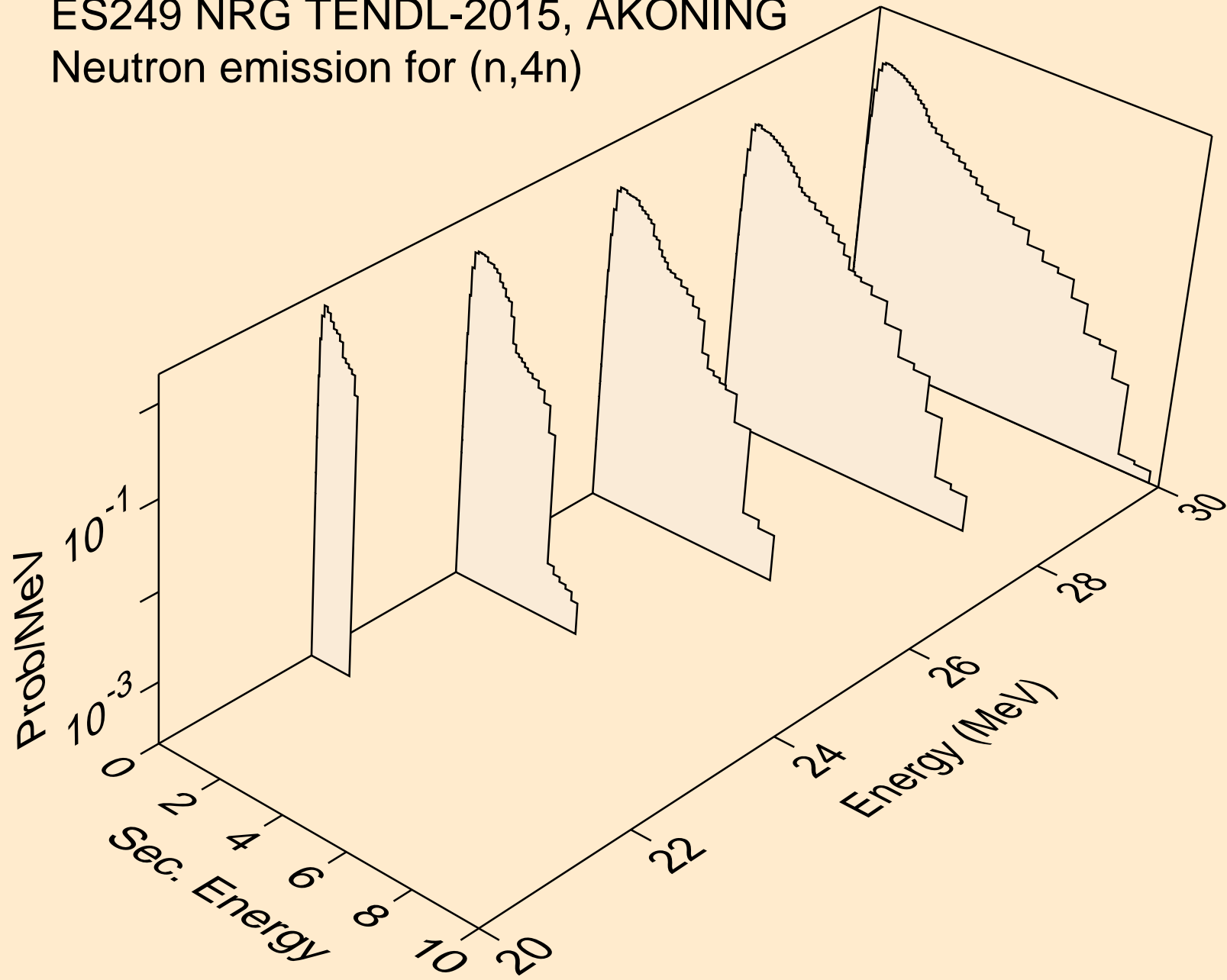
ES249 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



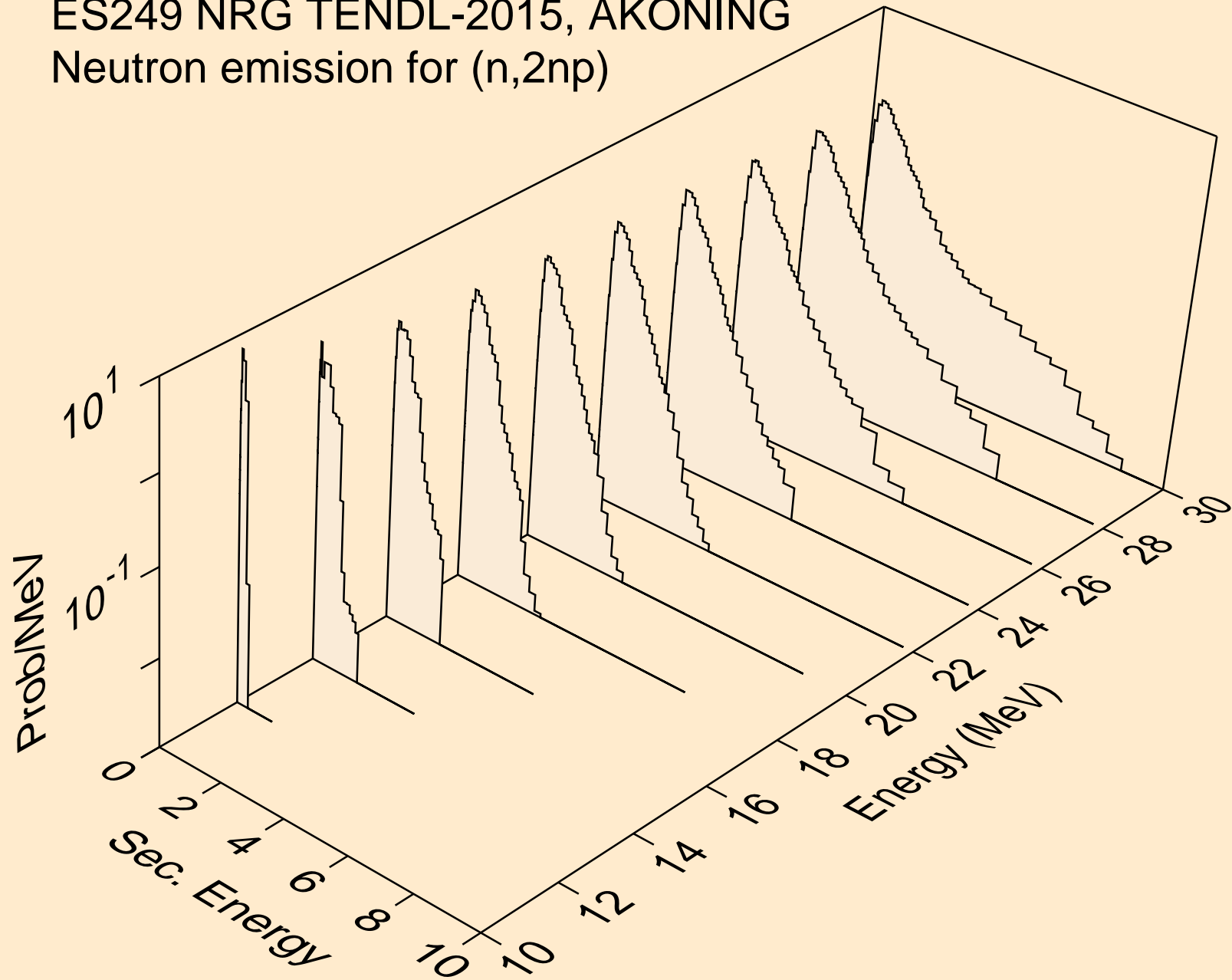
ES249 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t2a



ES249 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)

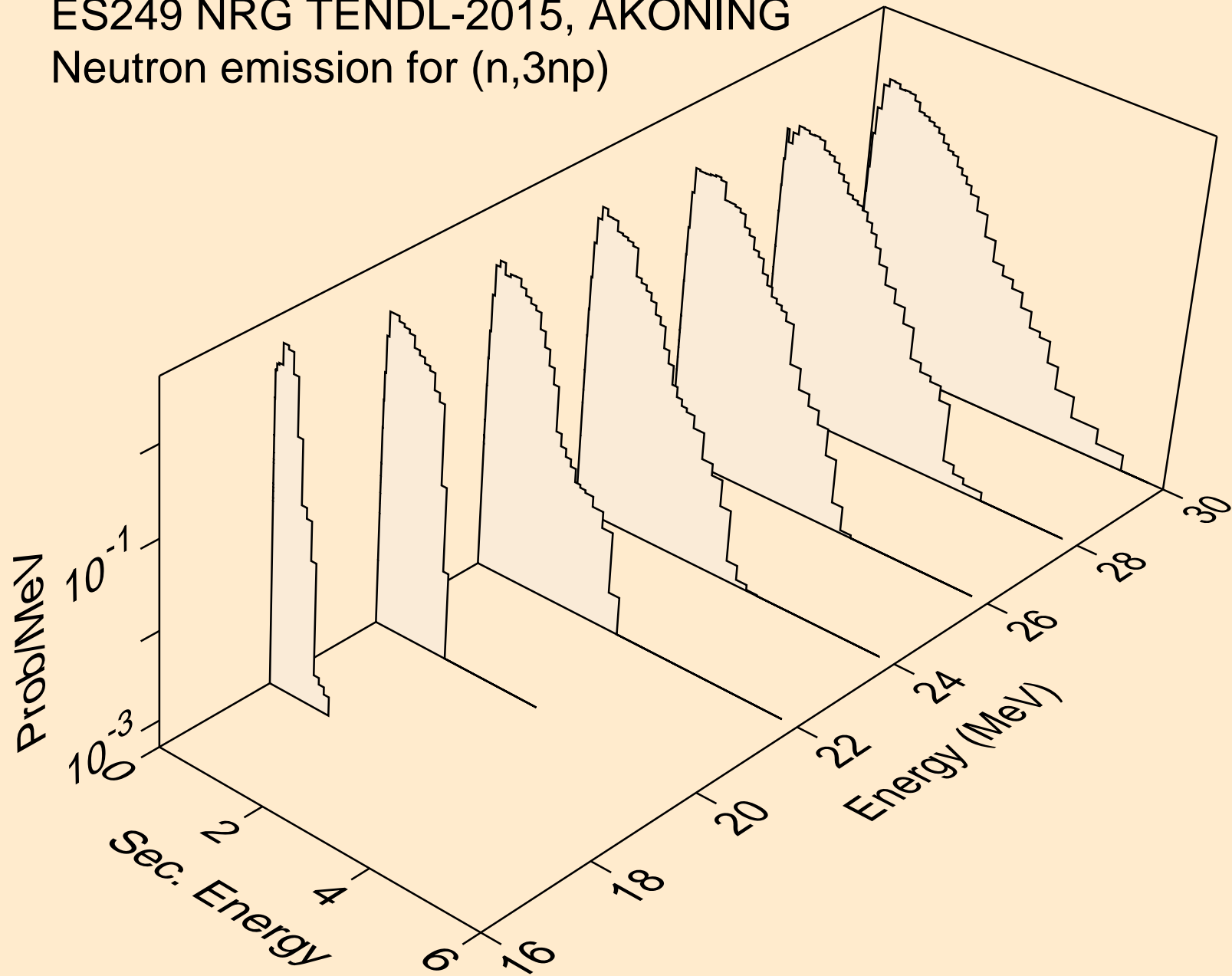


ES249 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)

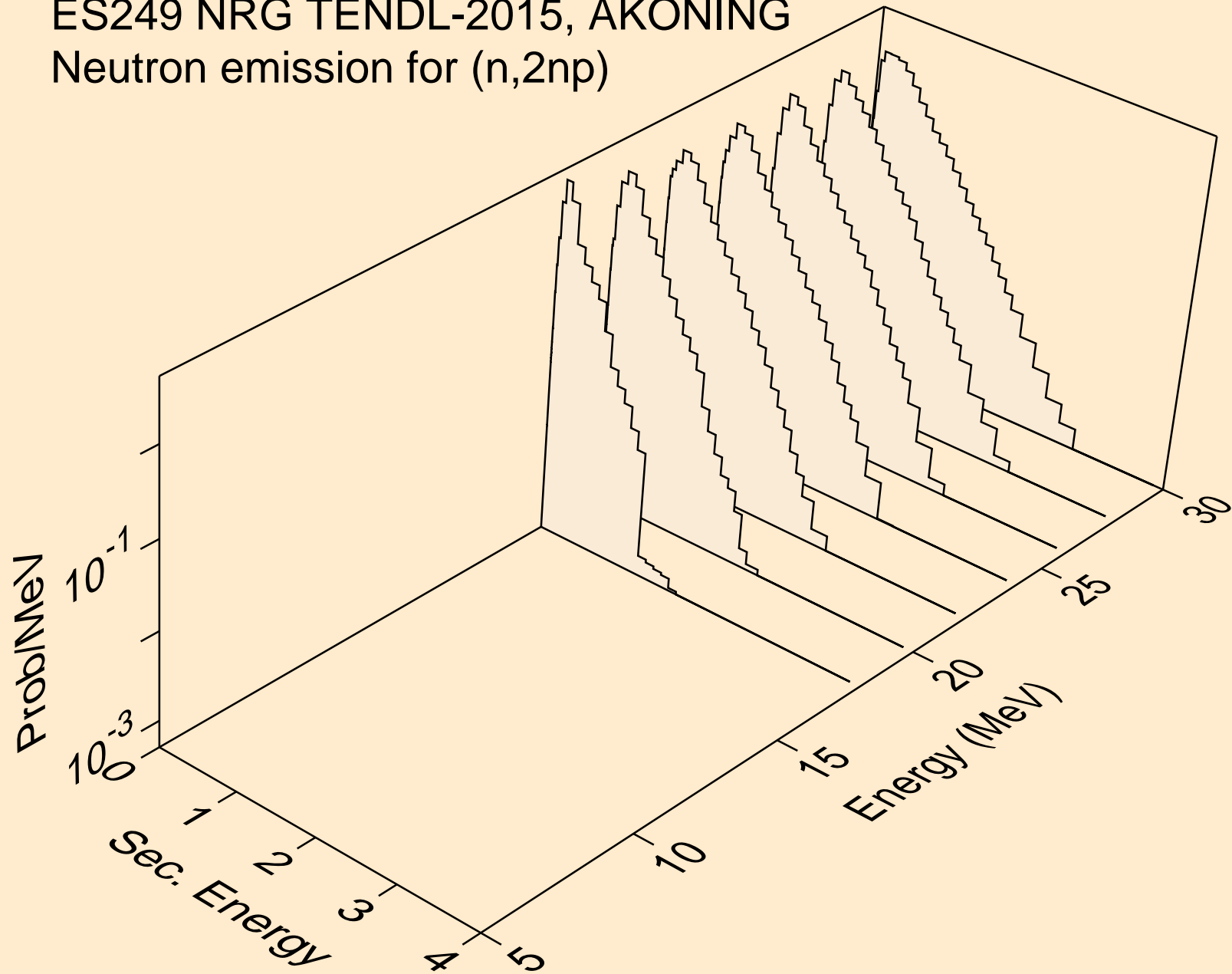




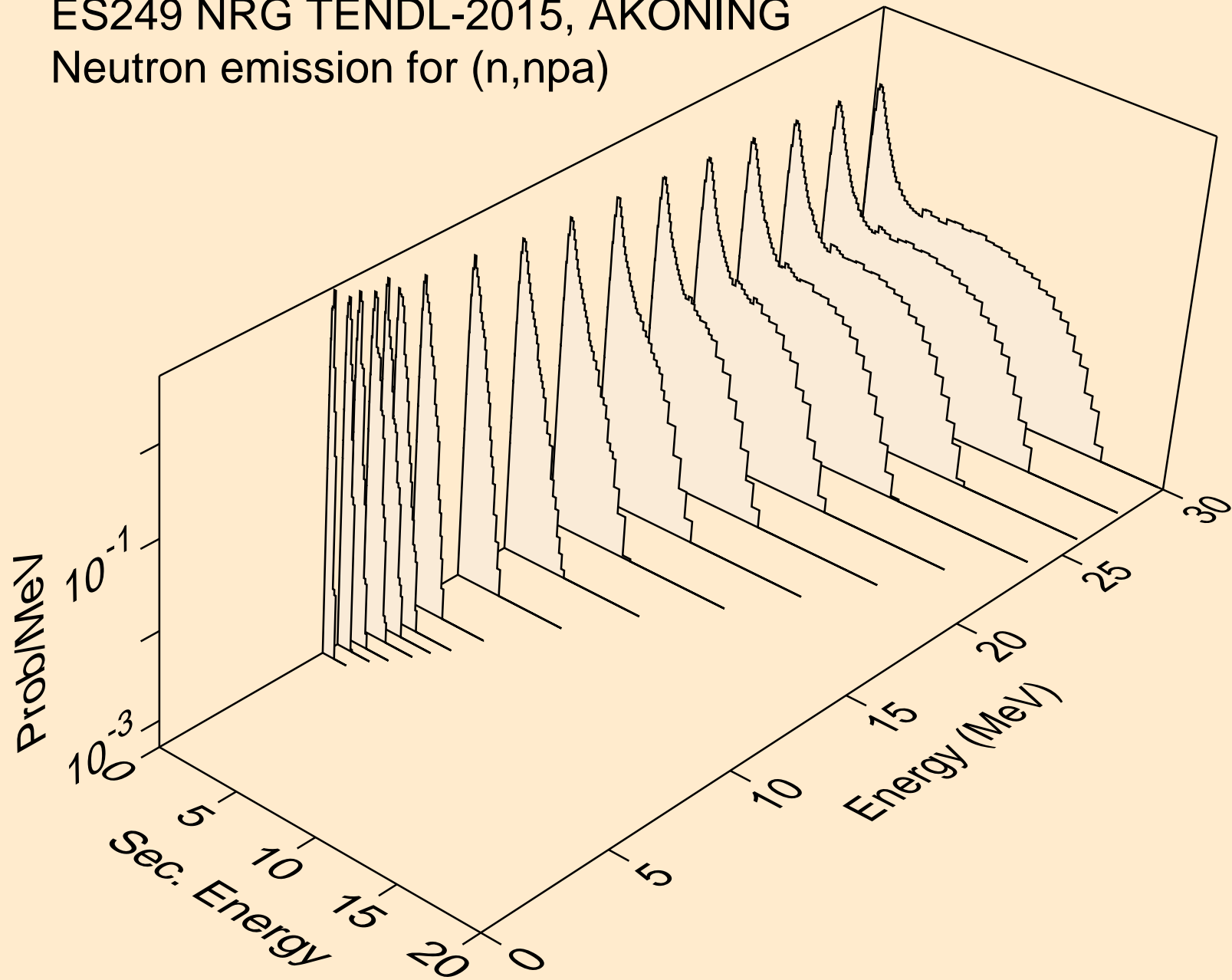
ES249 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



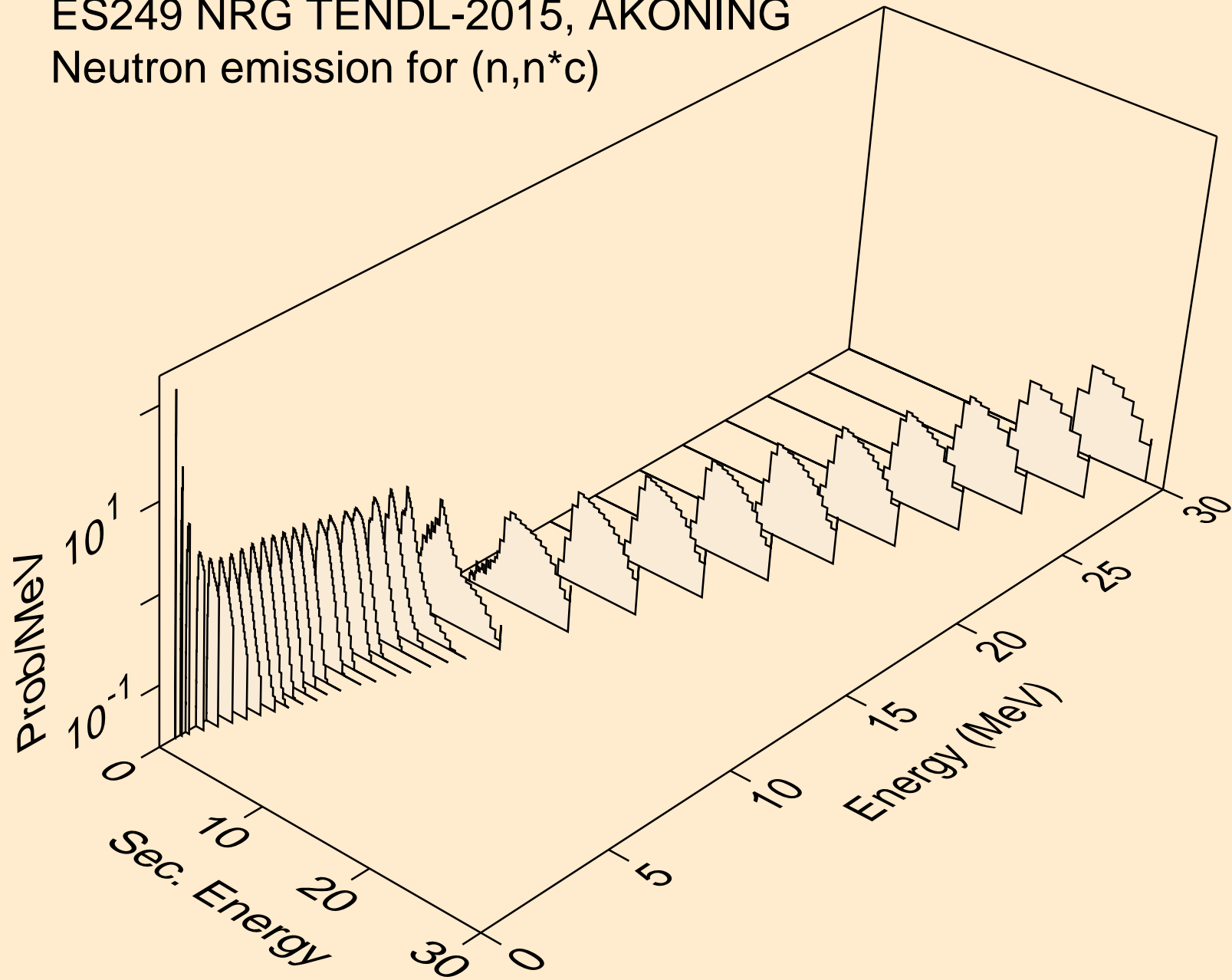
ES249 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



ES249 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)

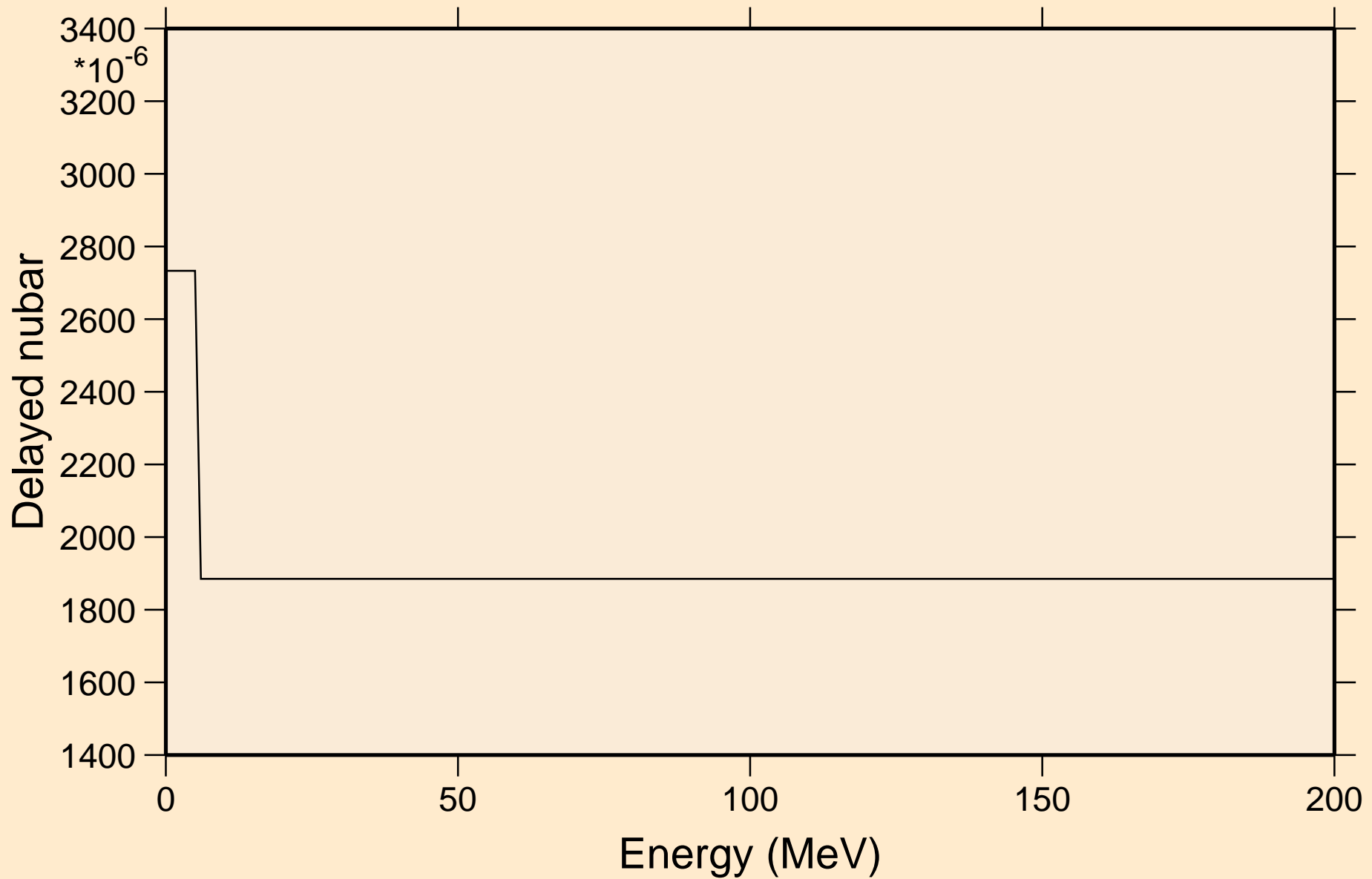


ES249 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



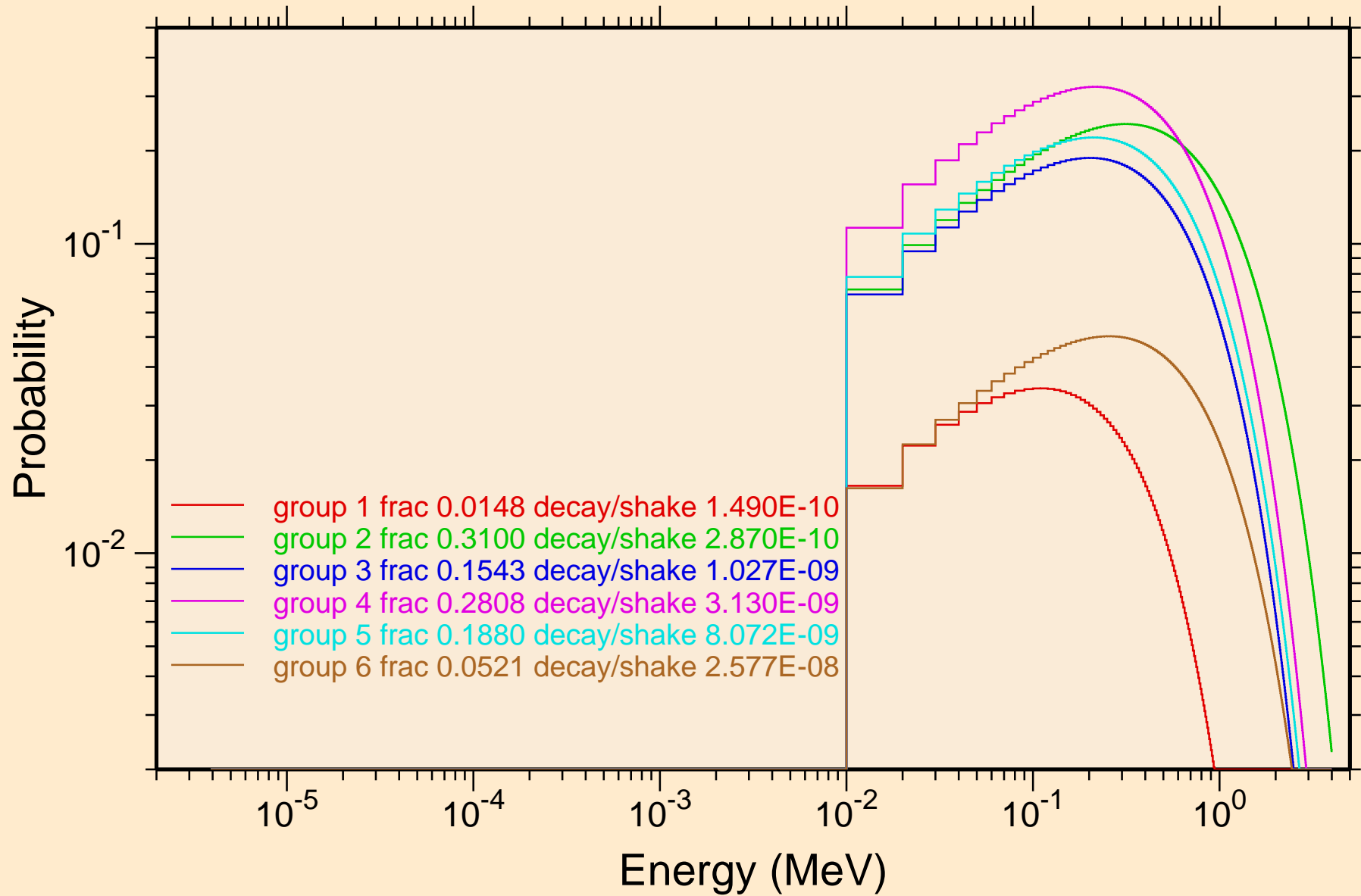
# ES249 NRG TENDL-2015, AKONING

Delayed nubar

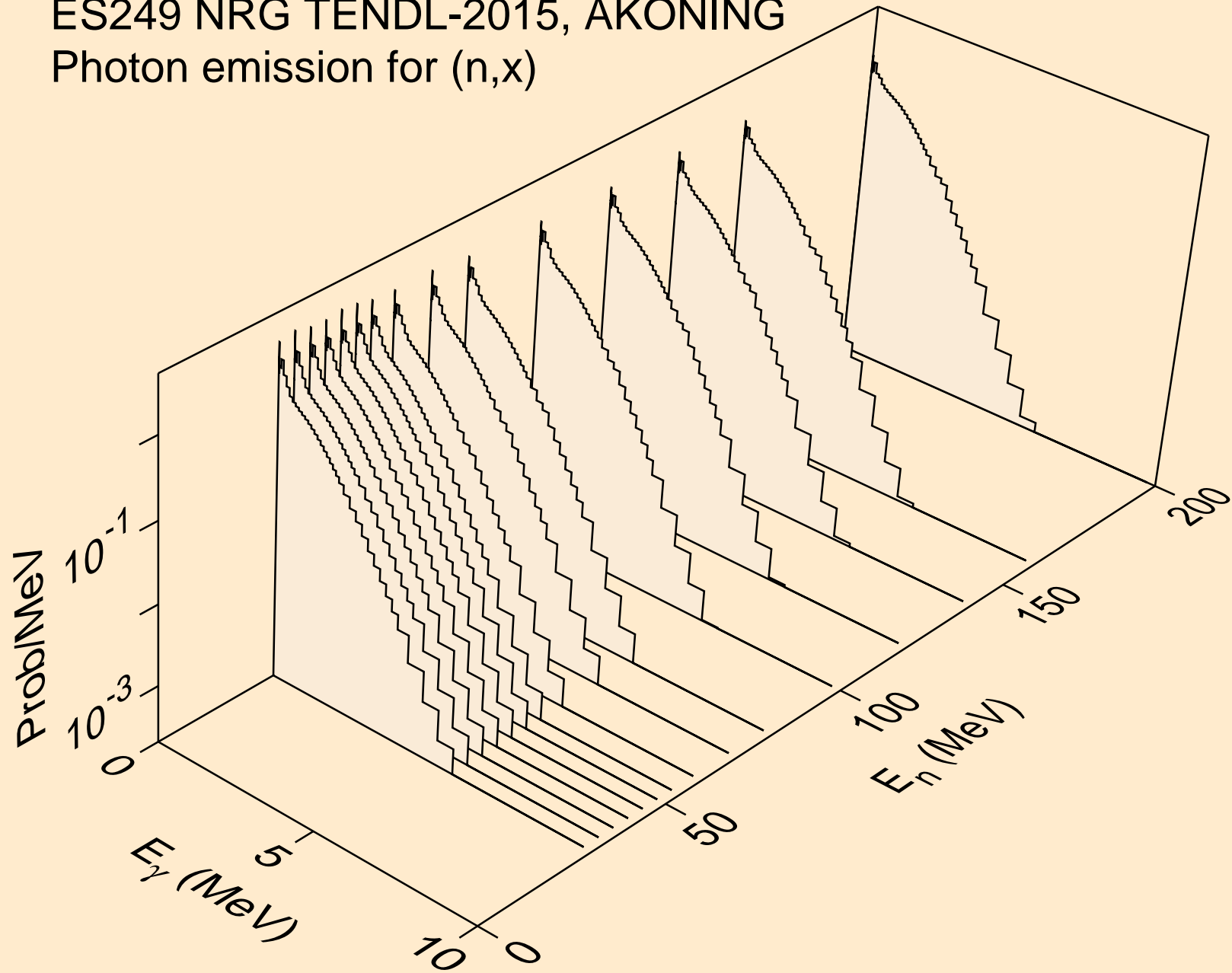


# ES249 NRG TENDL-2015, AKONING

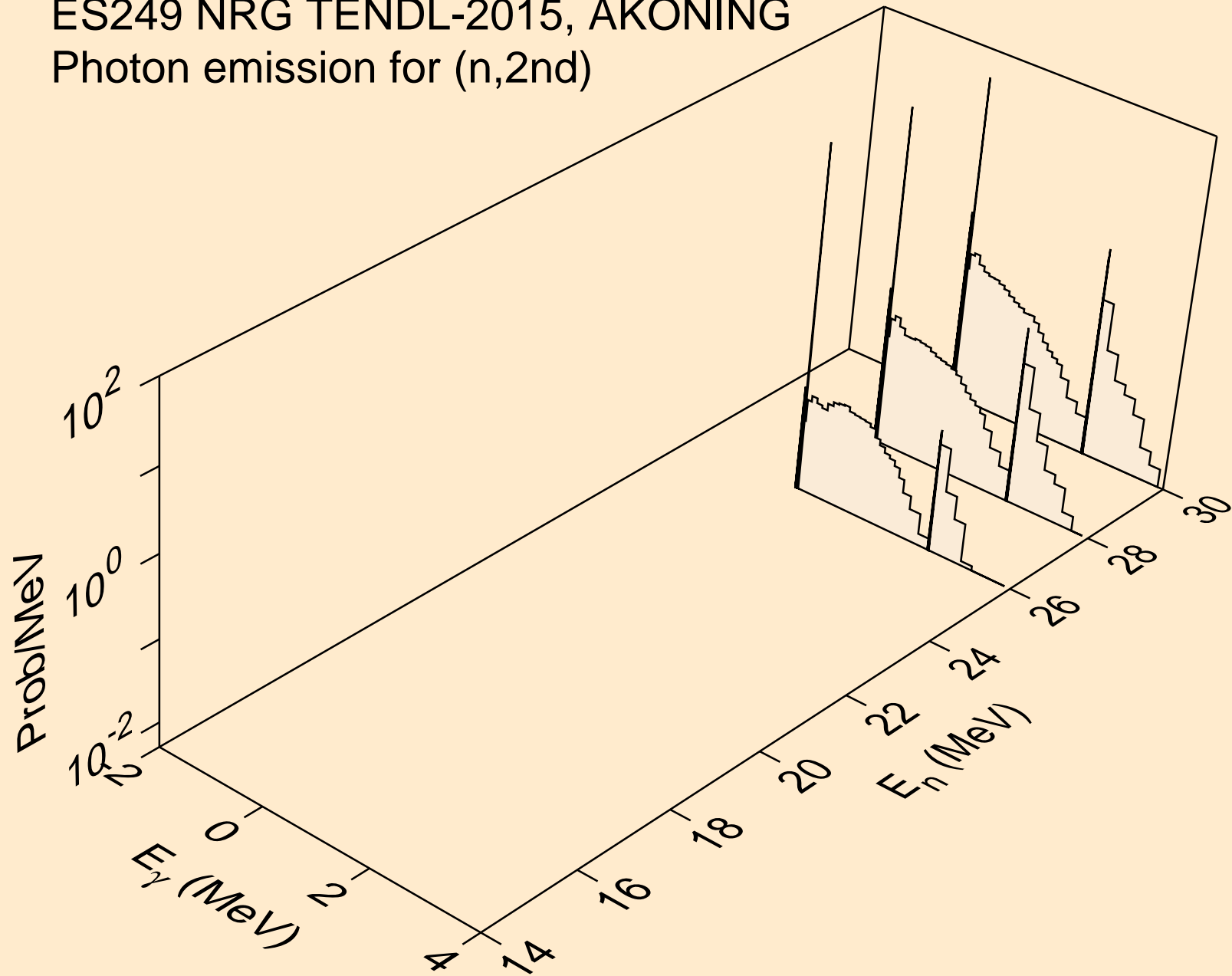
## Delayed neutron spectra



ES249 NRG TENDL-2015, AKONING  
Photon emission for (n,x)

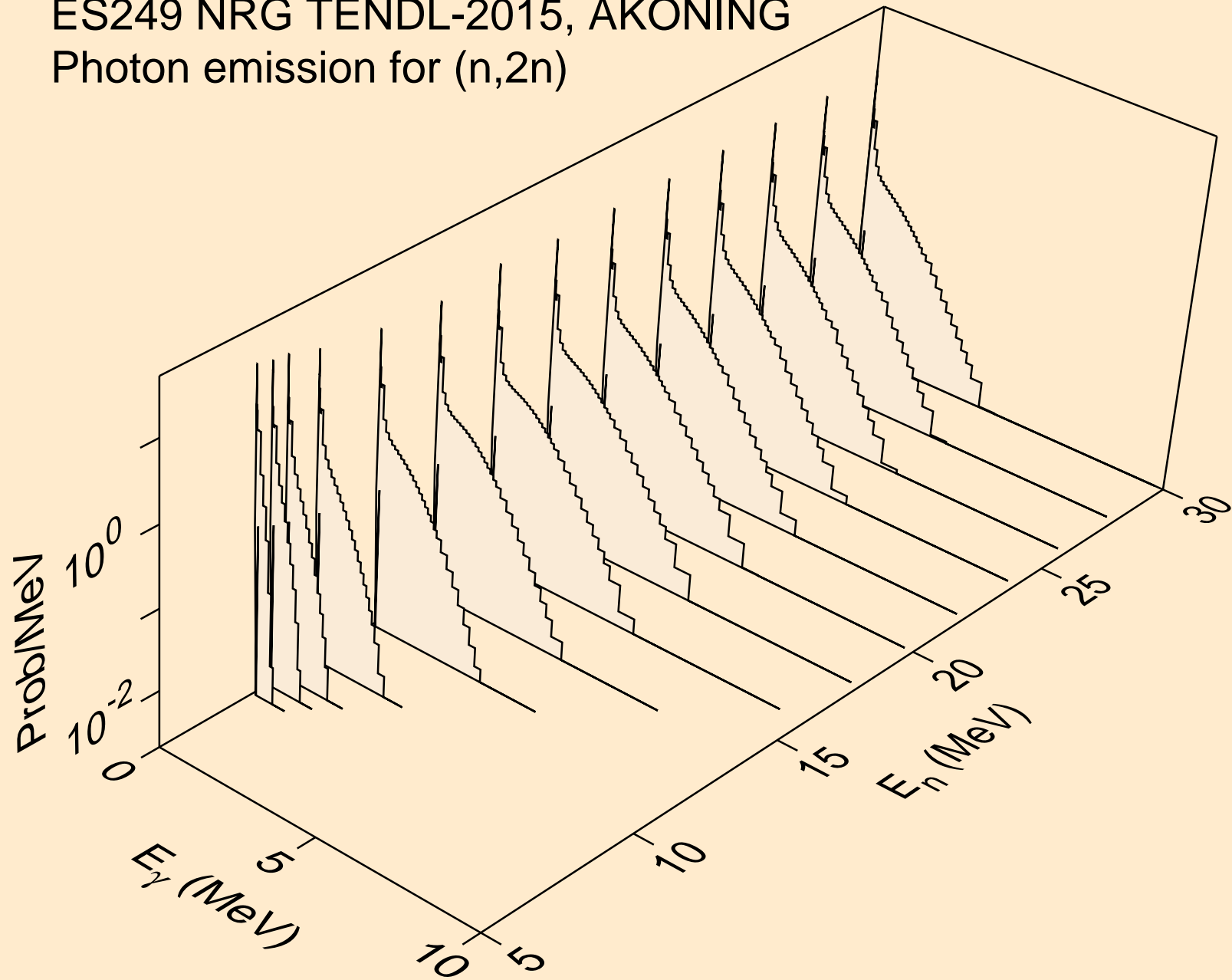


ES249 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)

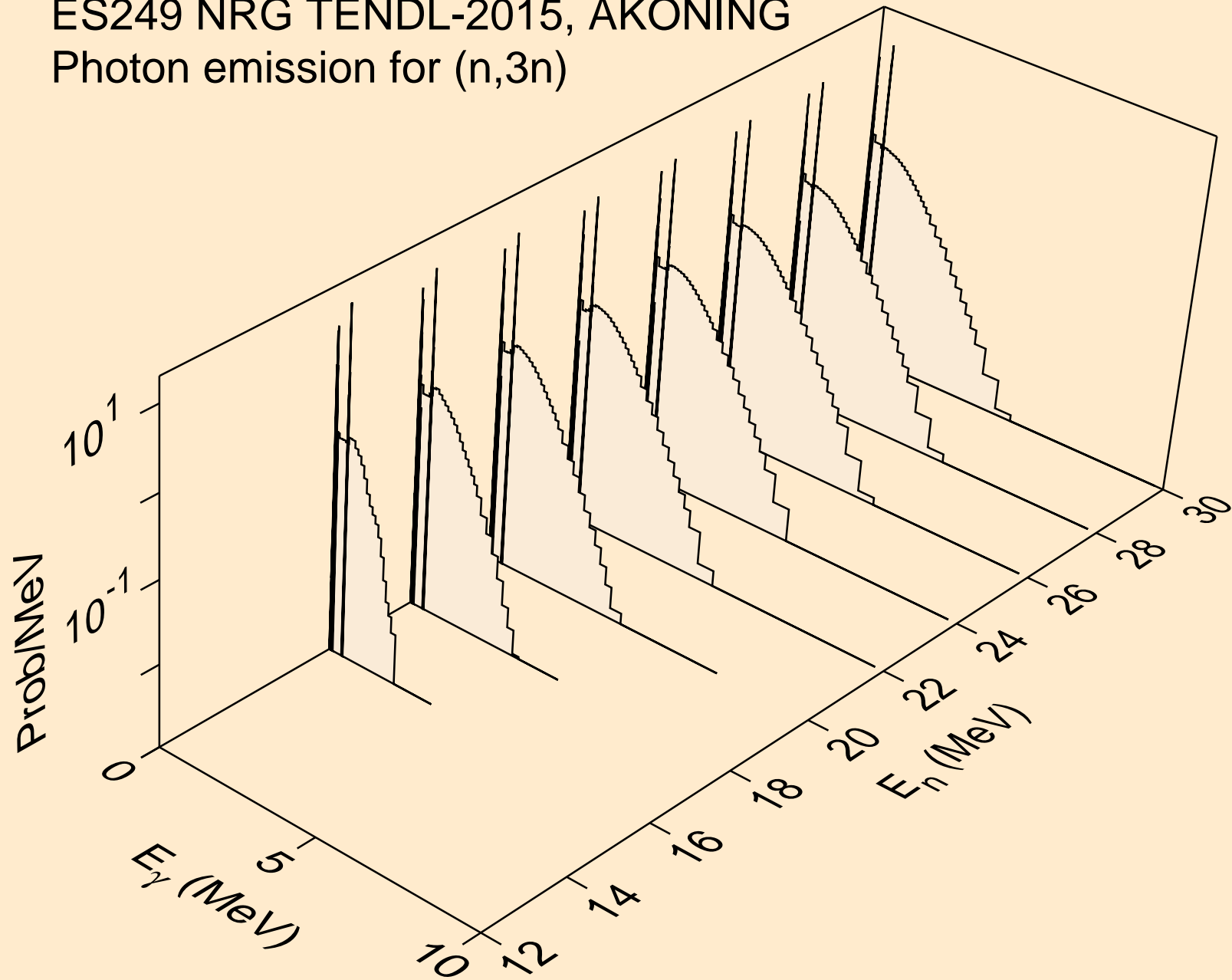




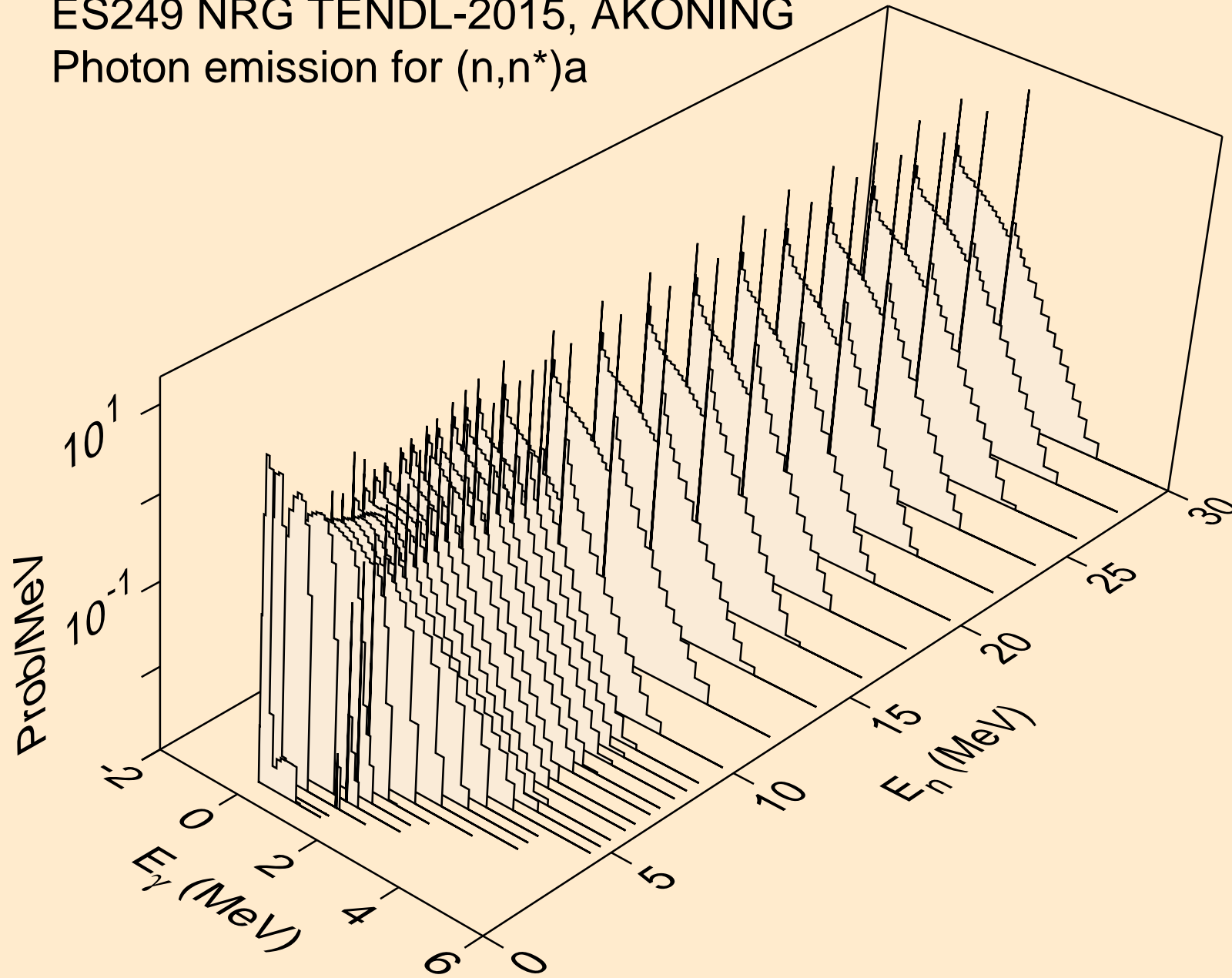
ES249 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



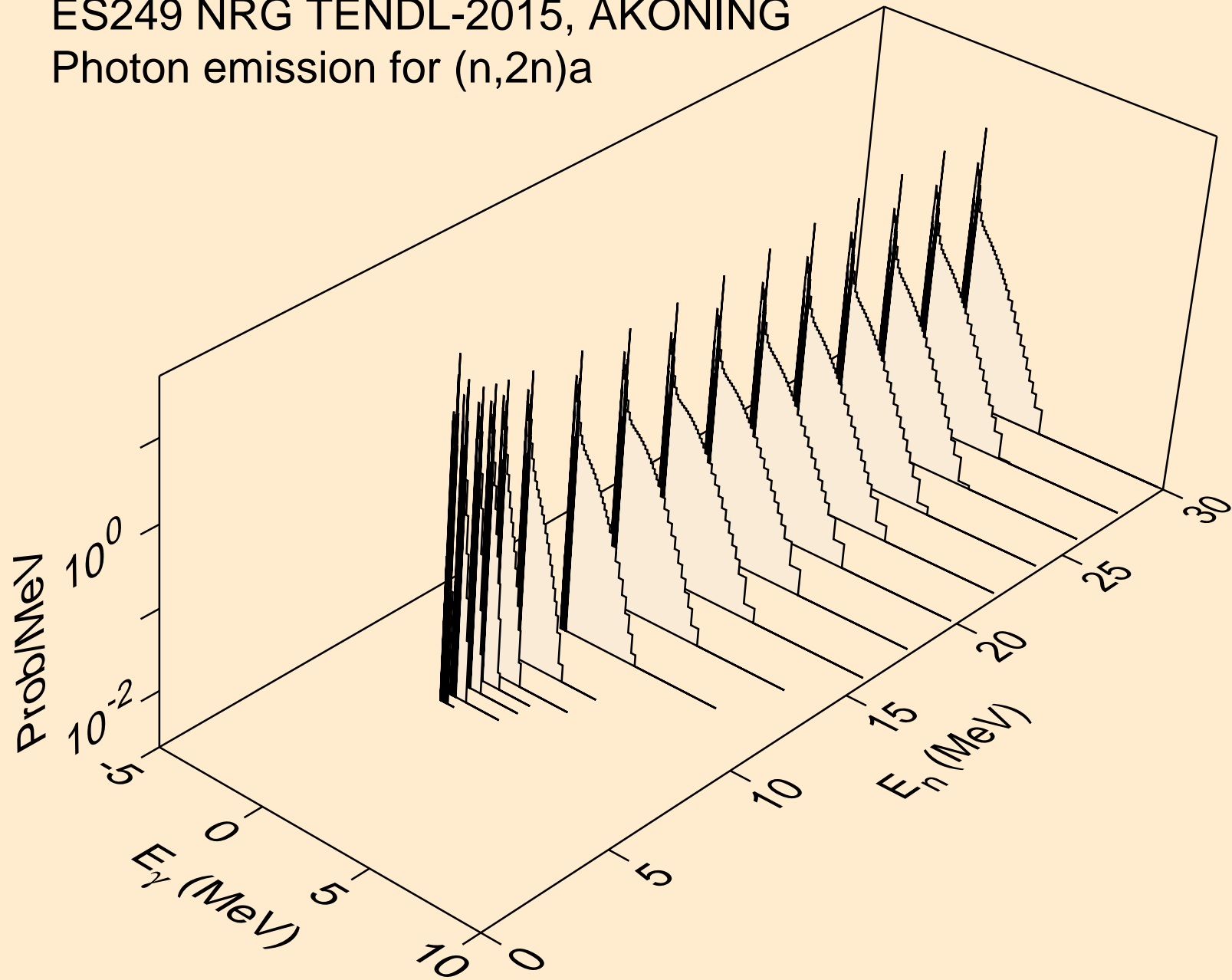
ES249 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



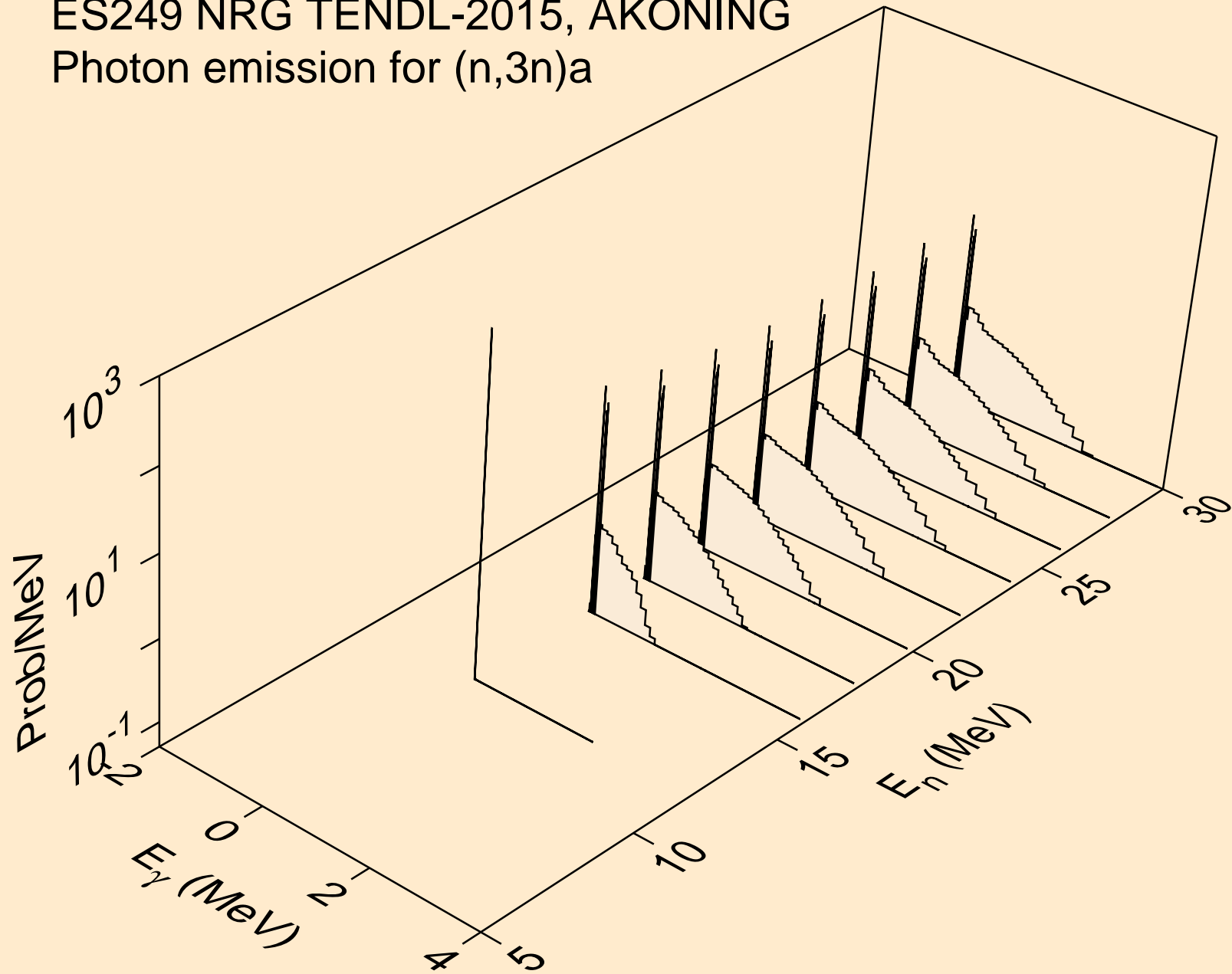
ES249 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



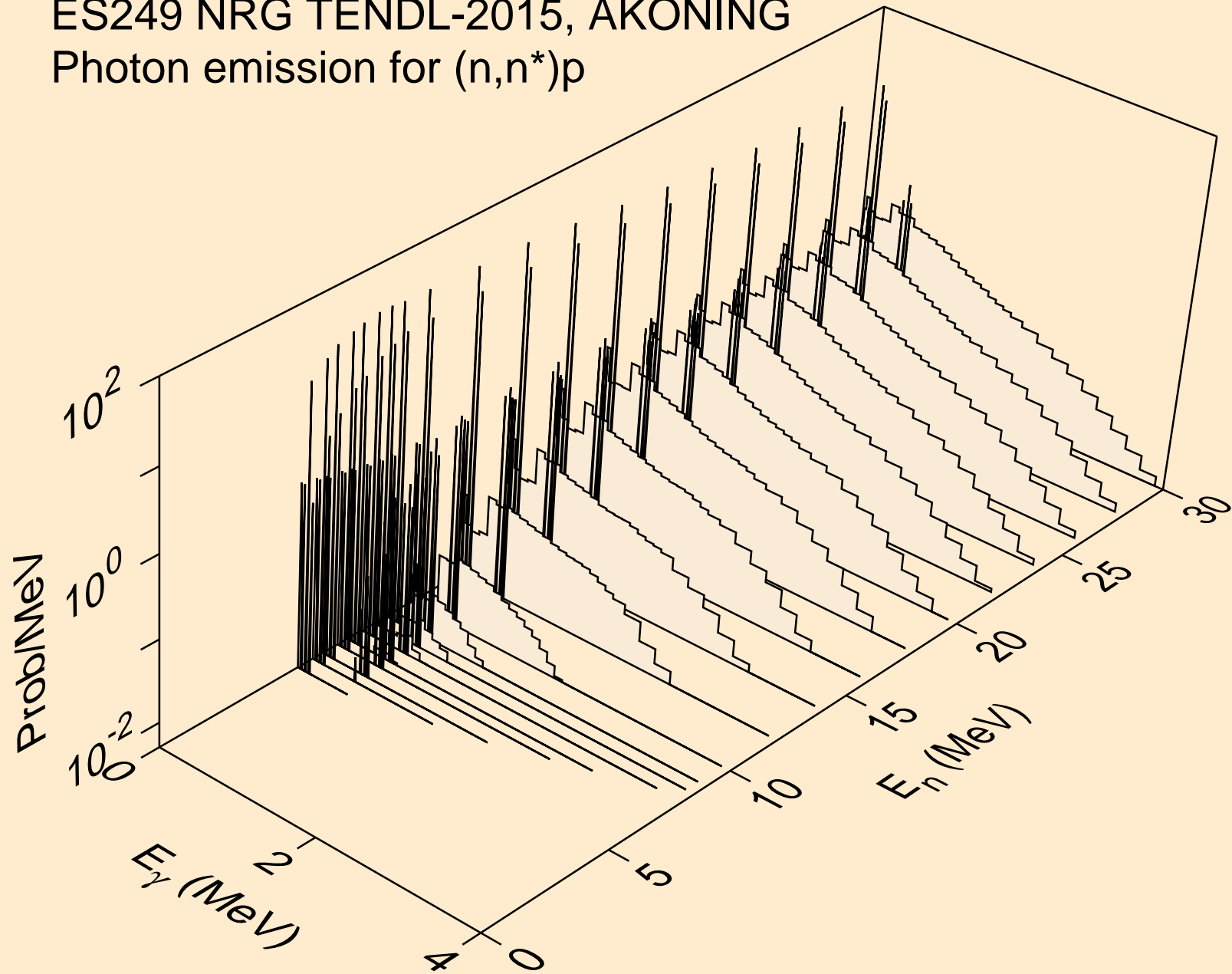
ES249 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



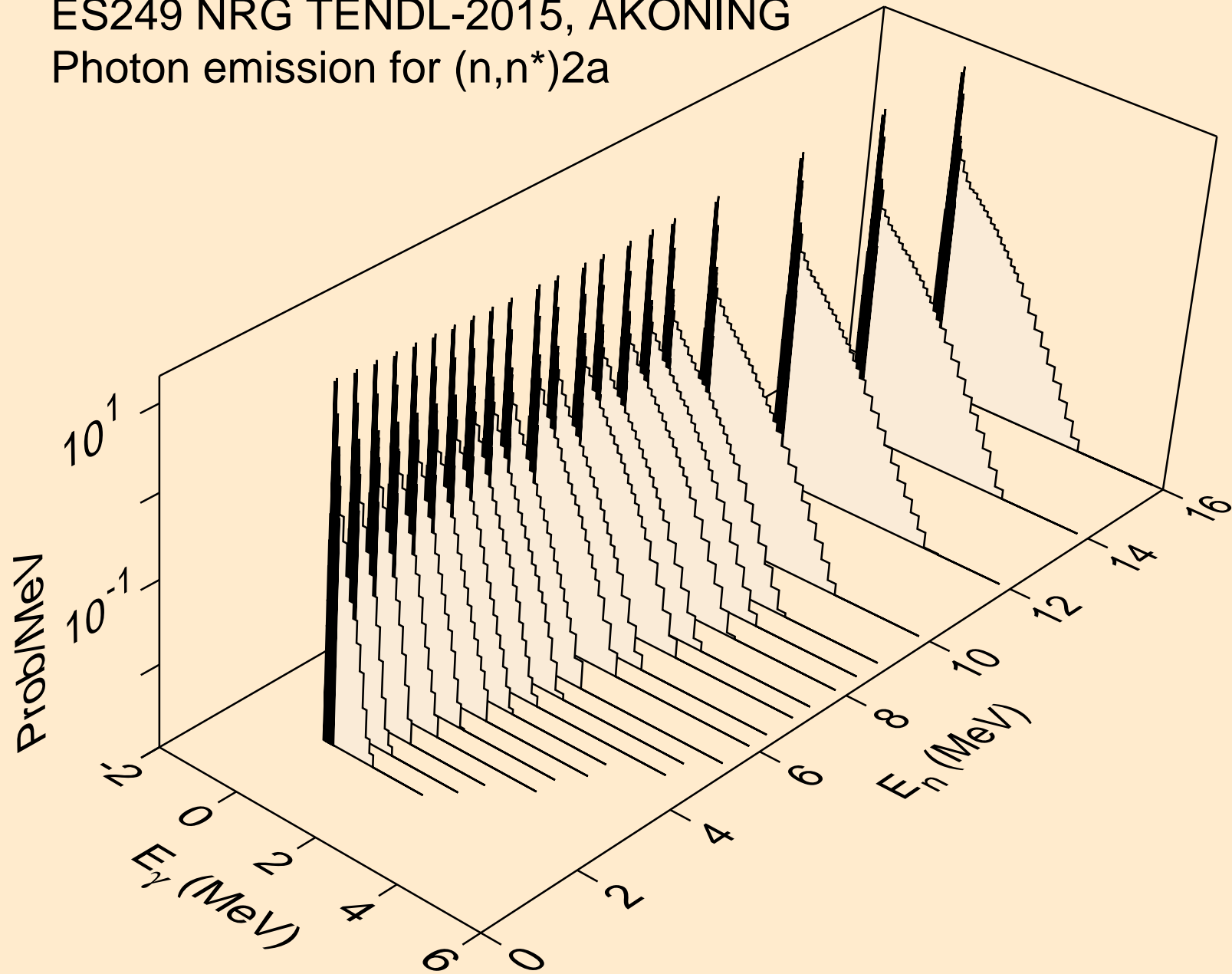
ES249 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



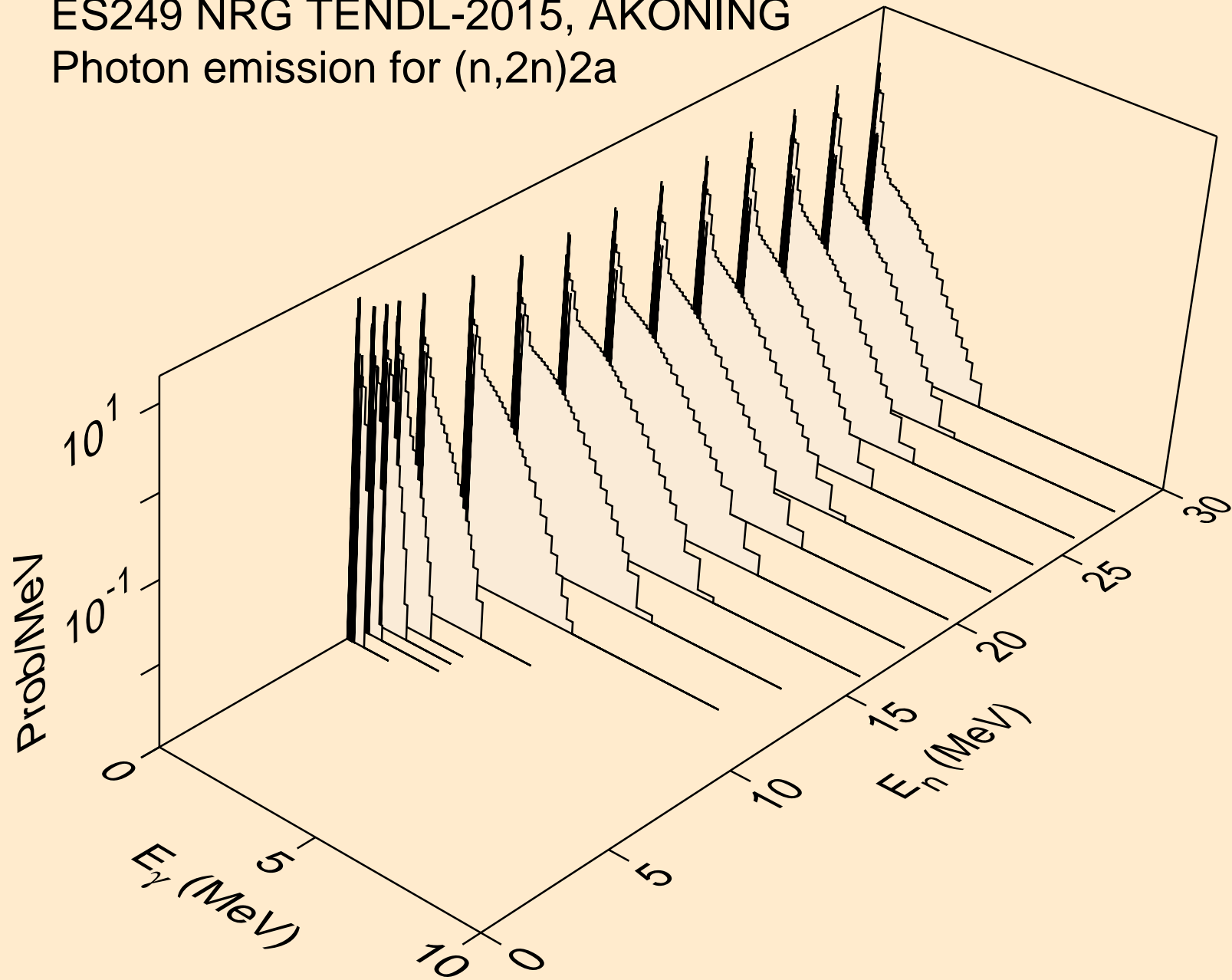
ES249 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



ES249 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a

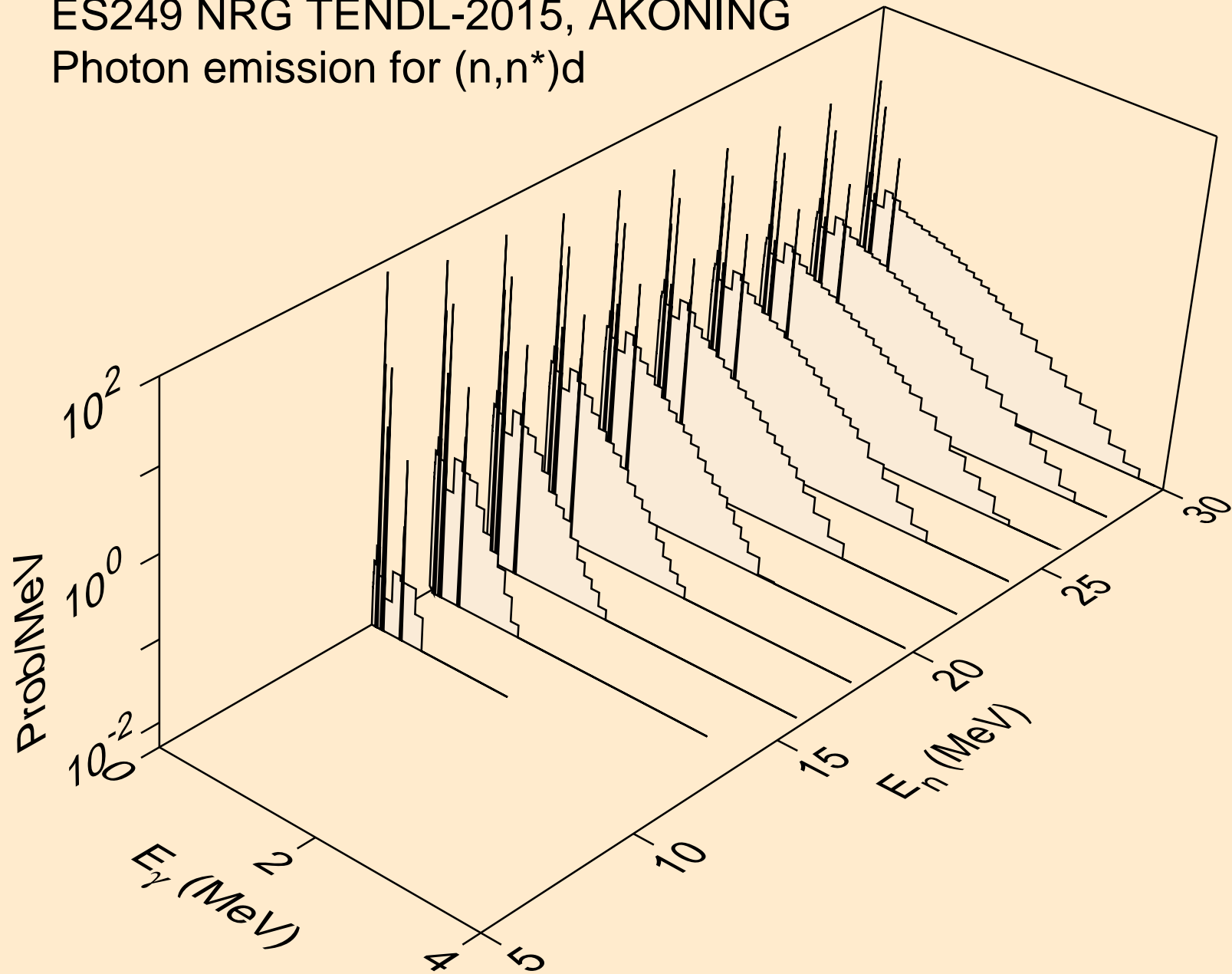


ES249 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a

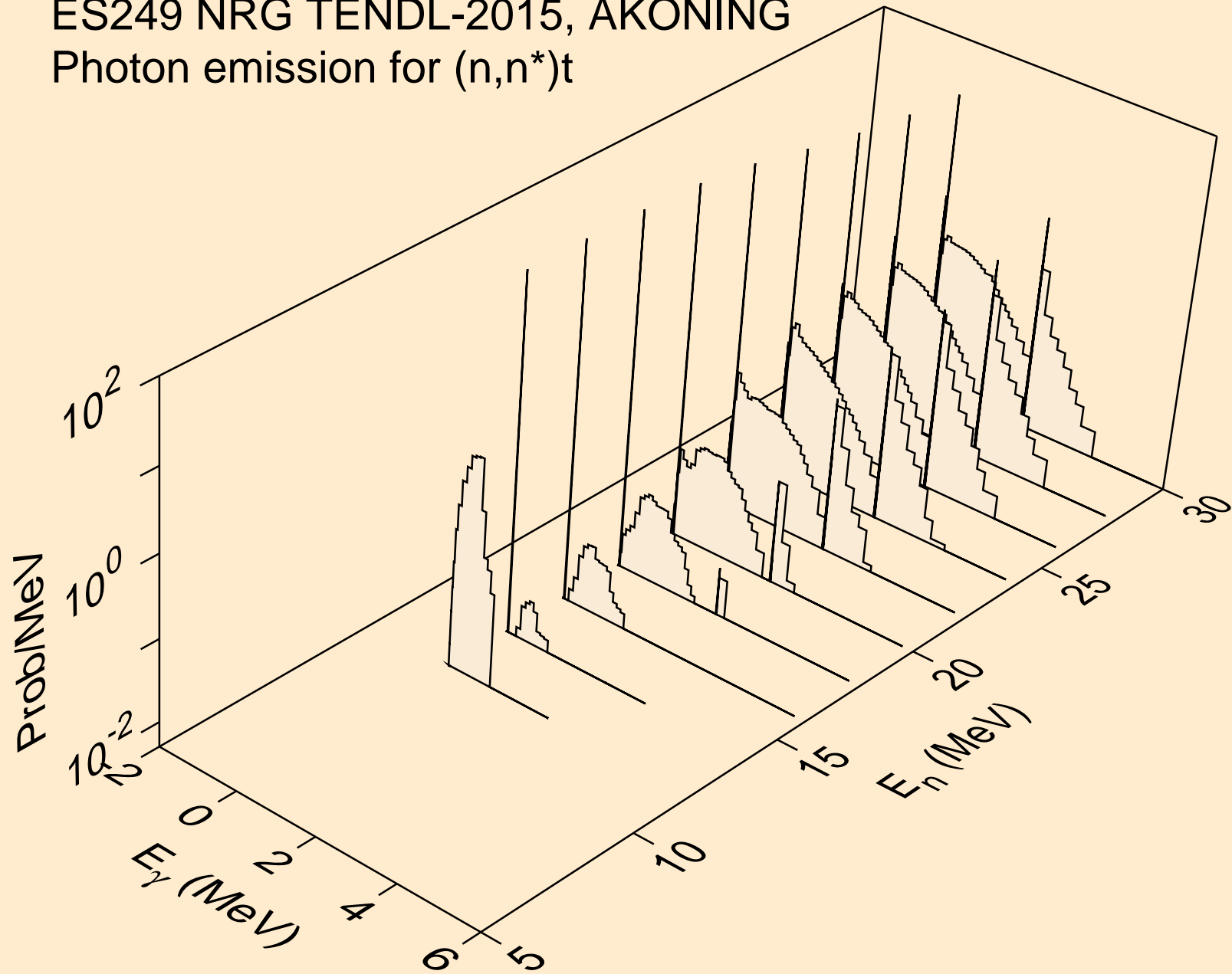




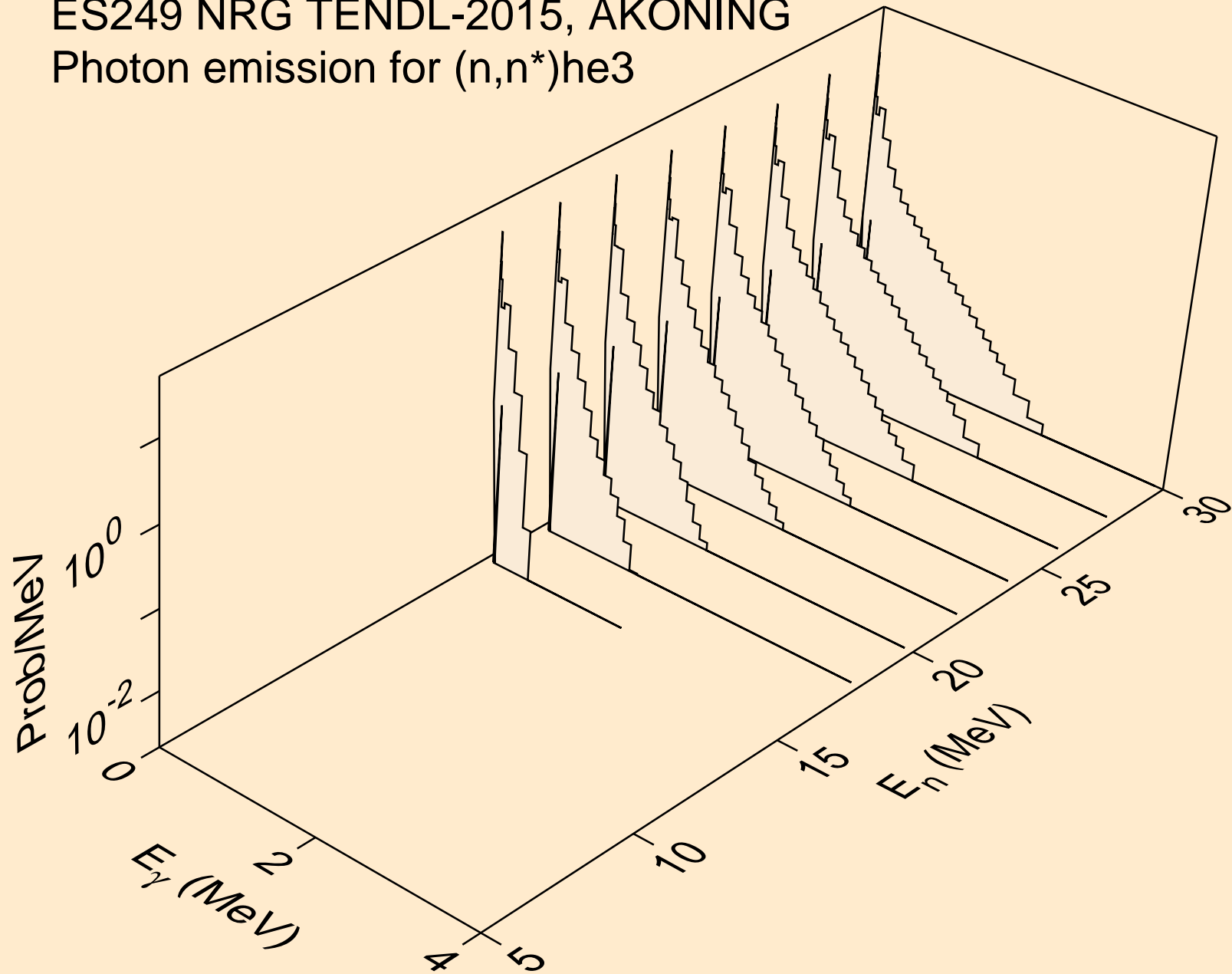
ES249 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d



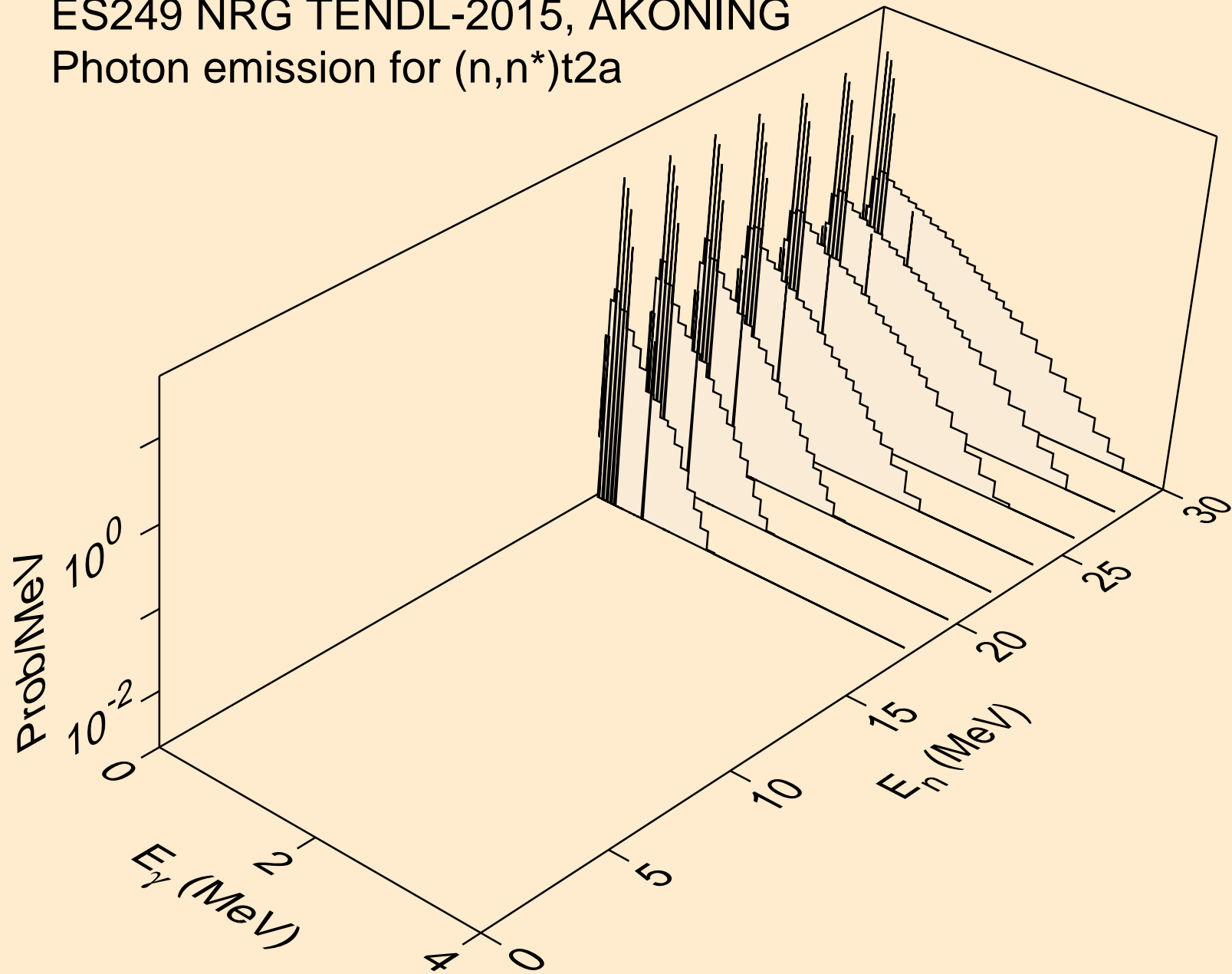
ES249 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



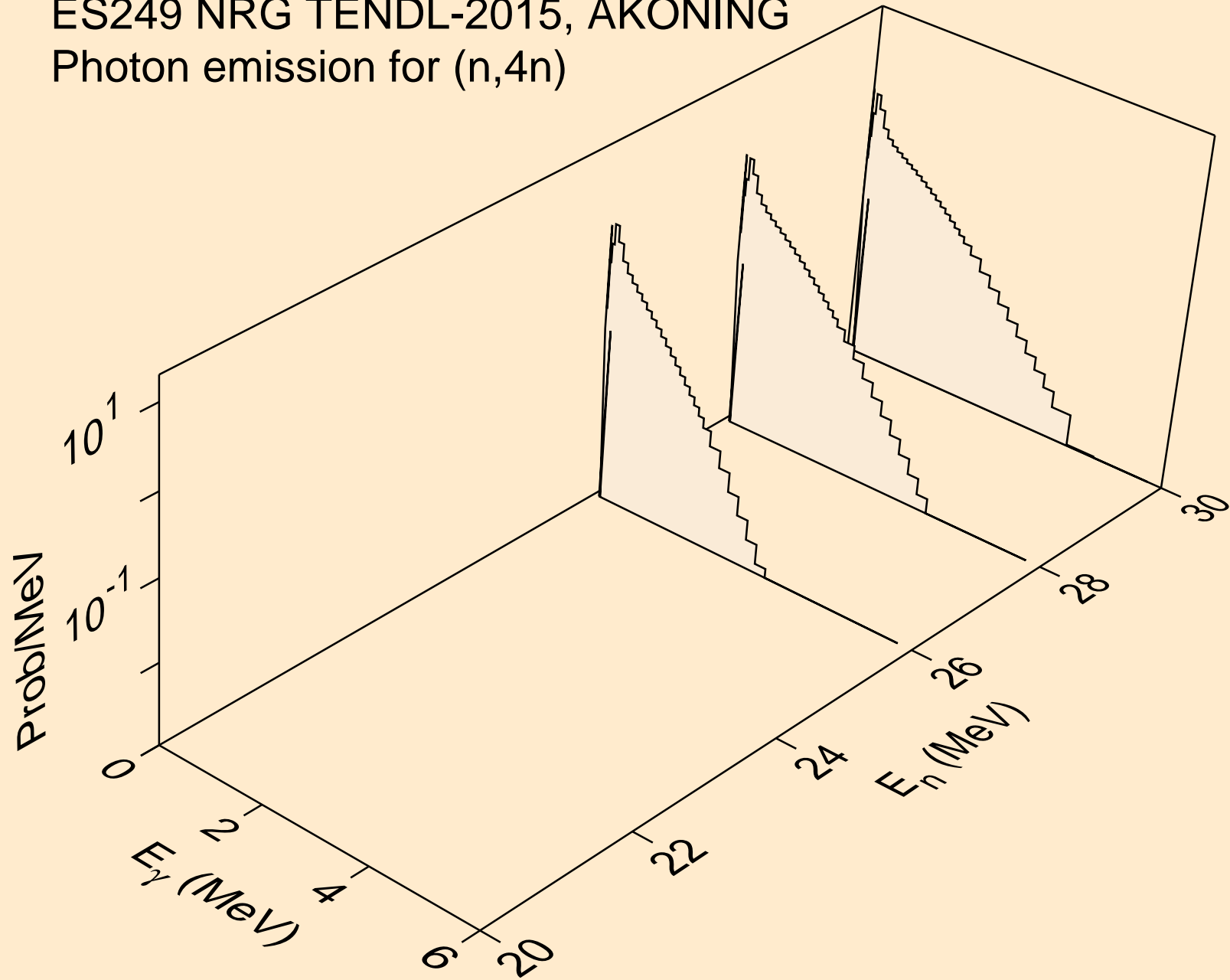
ES249 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



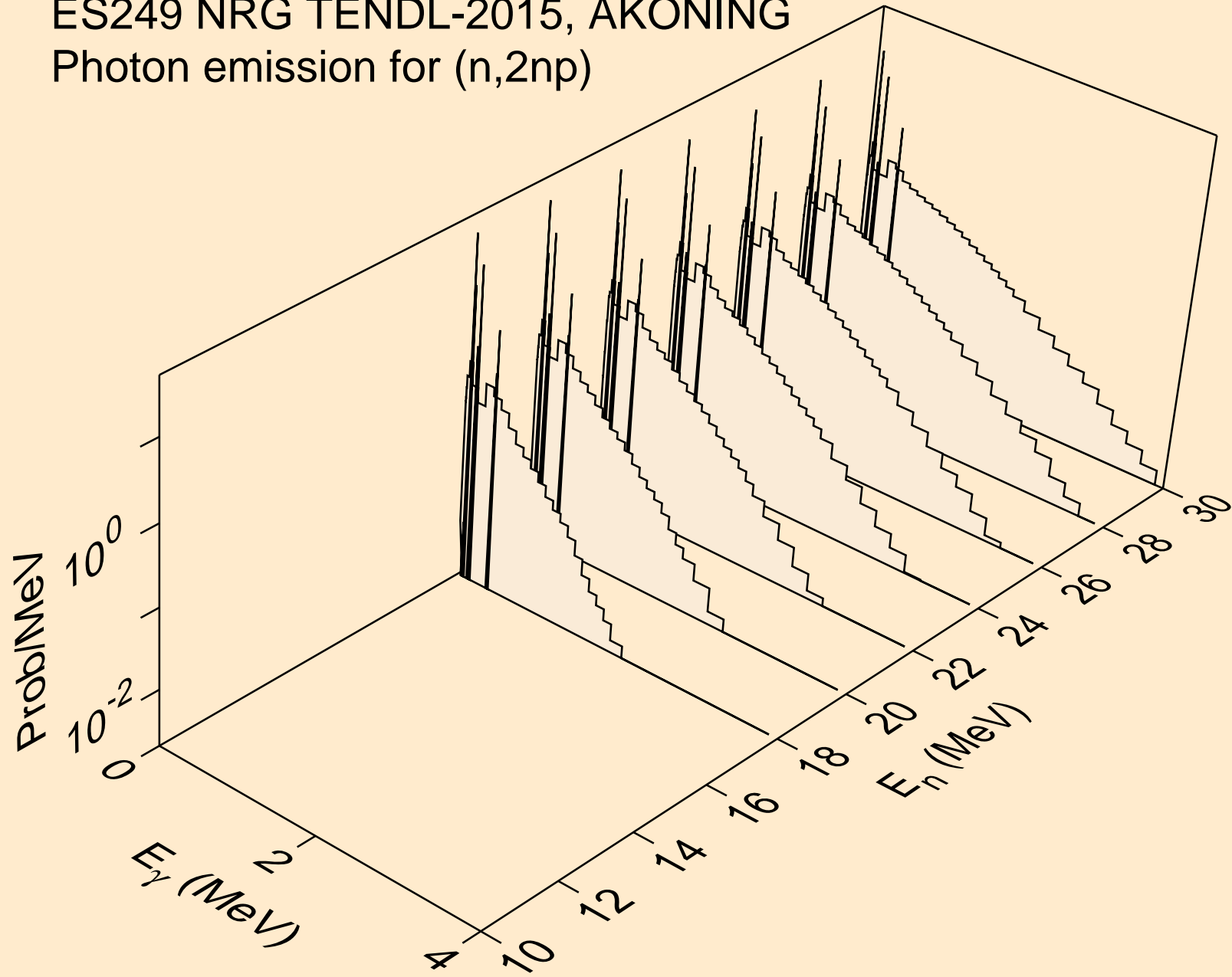
ES249 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t2a



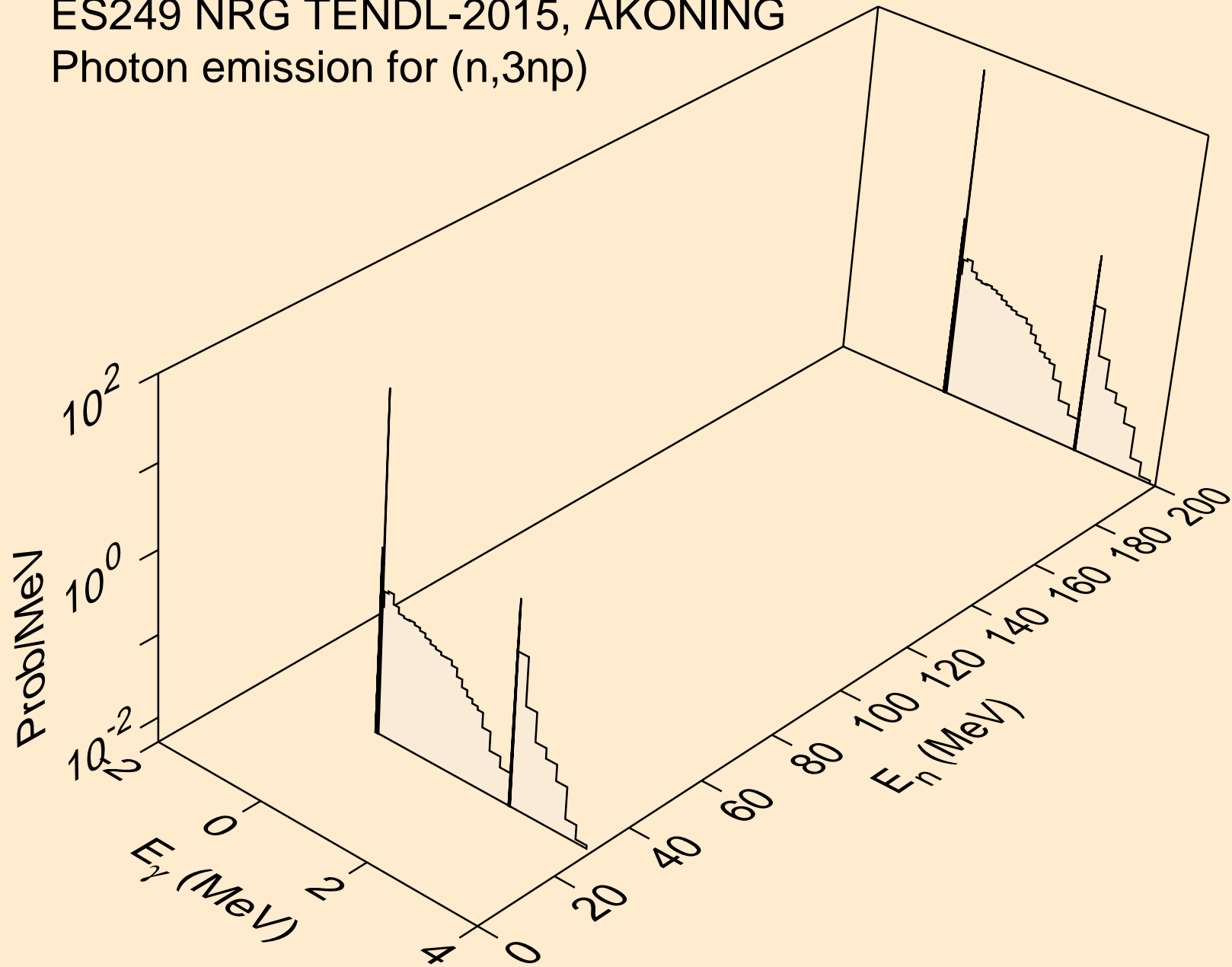
ES249 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



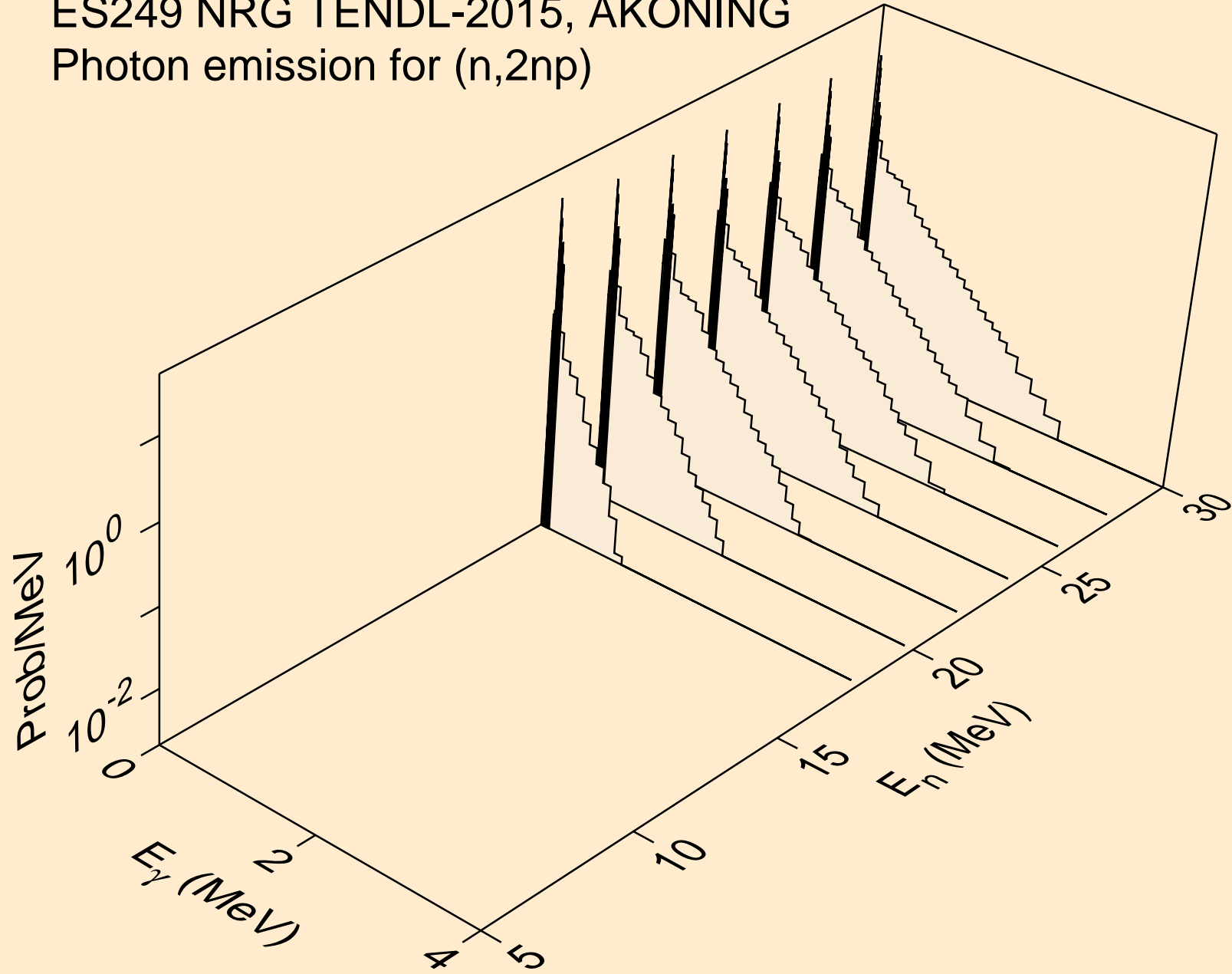
ES249 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



ES249 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)

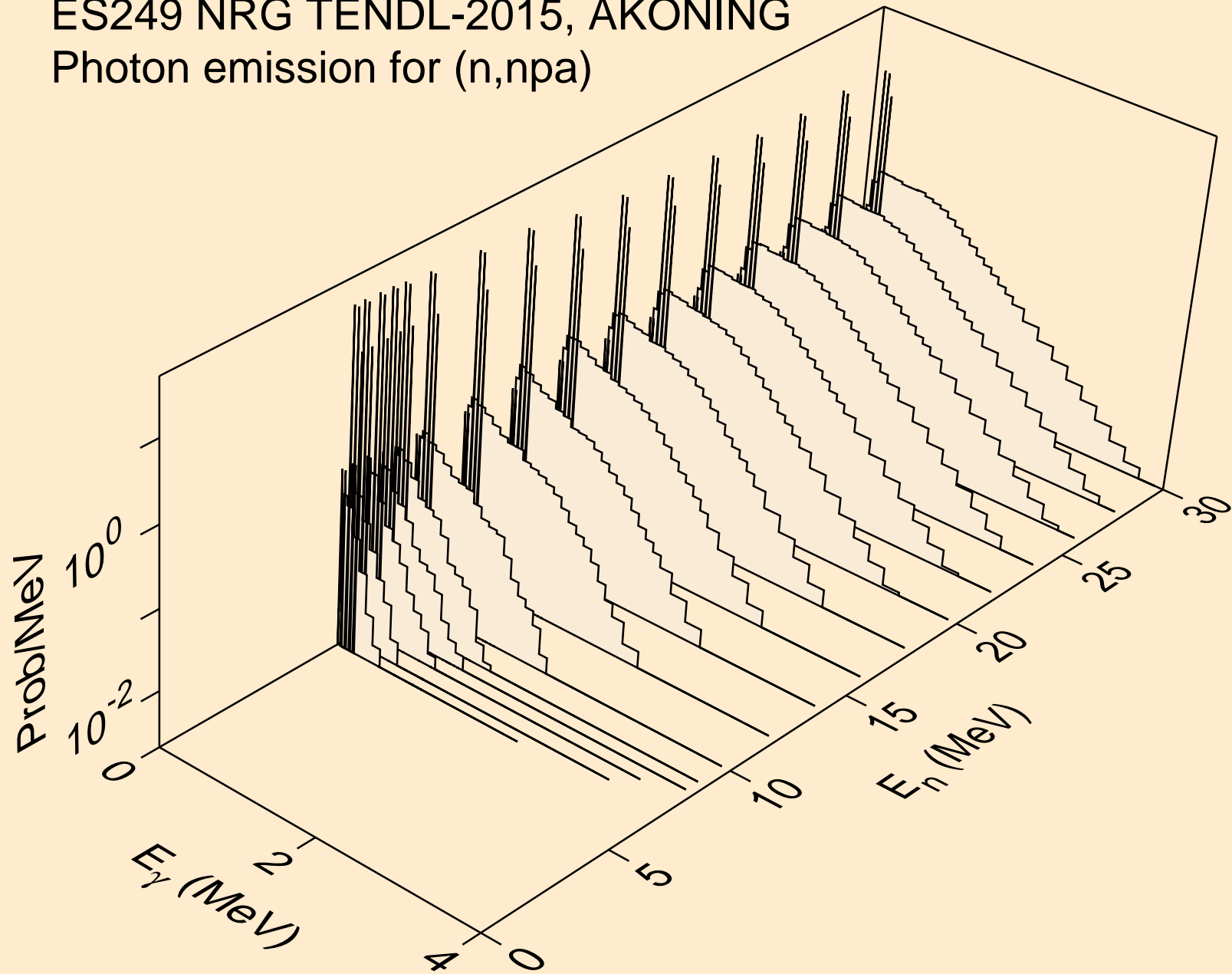


ES249 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)

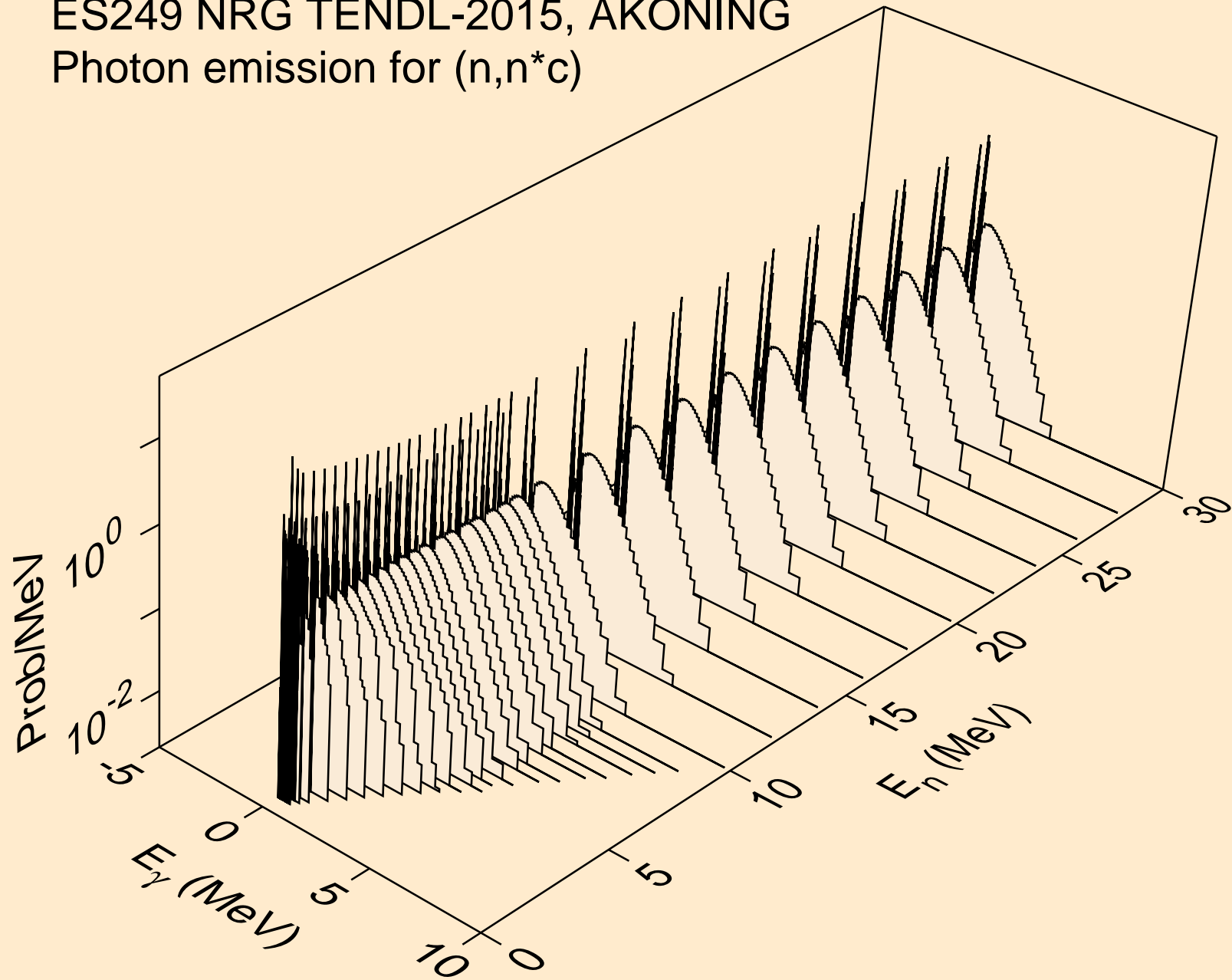




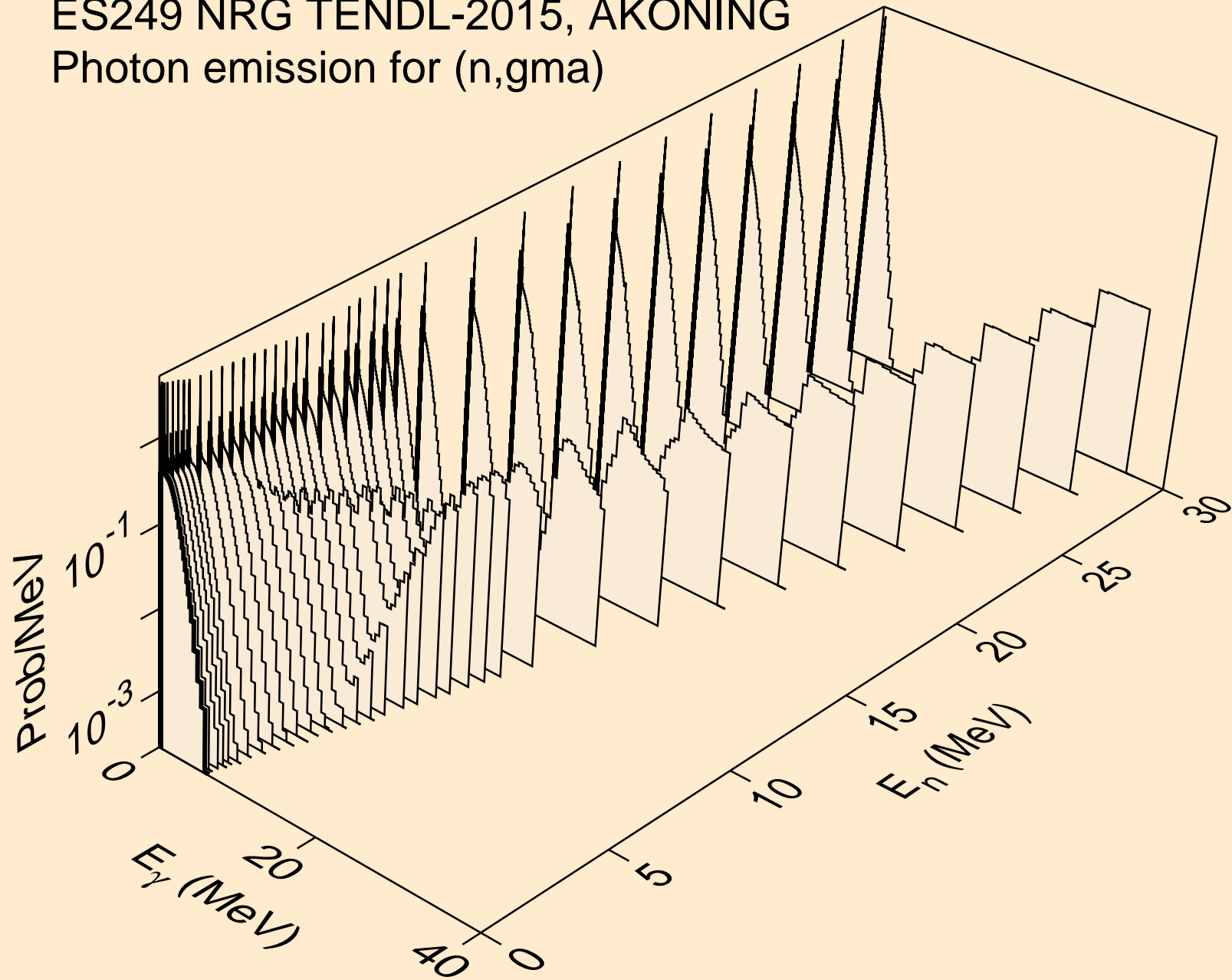
ES249 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



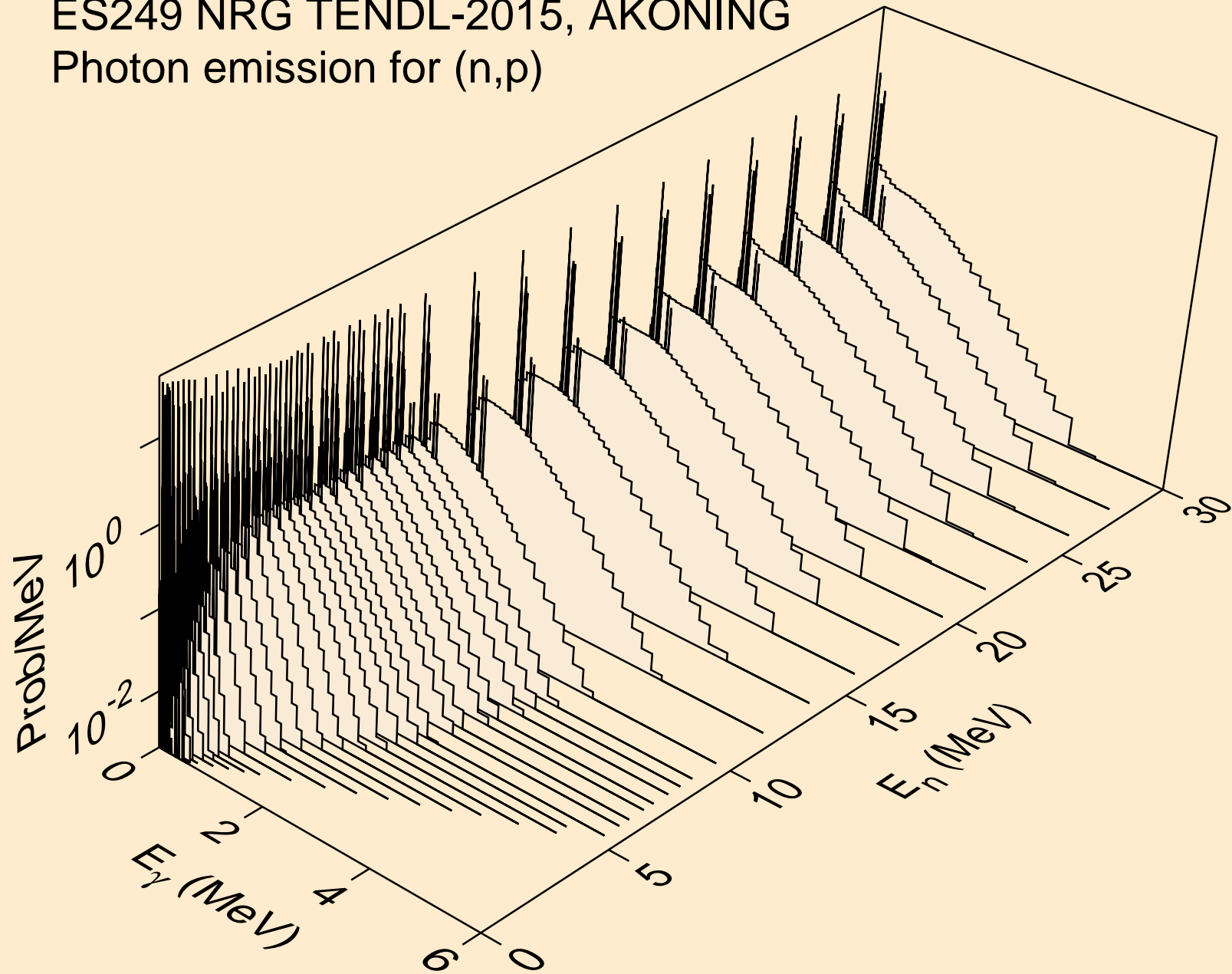
ES249 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



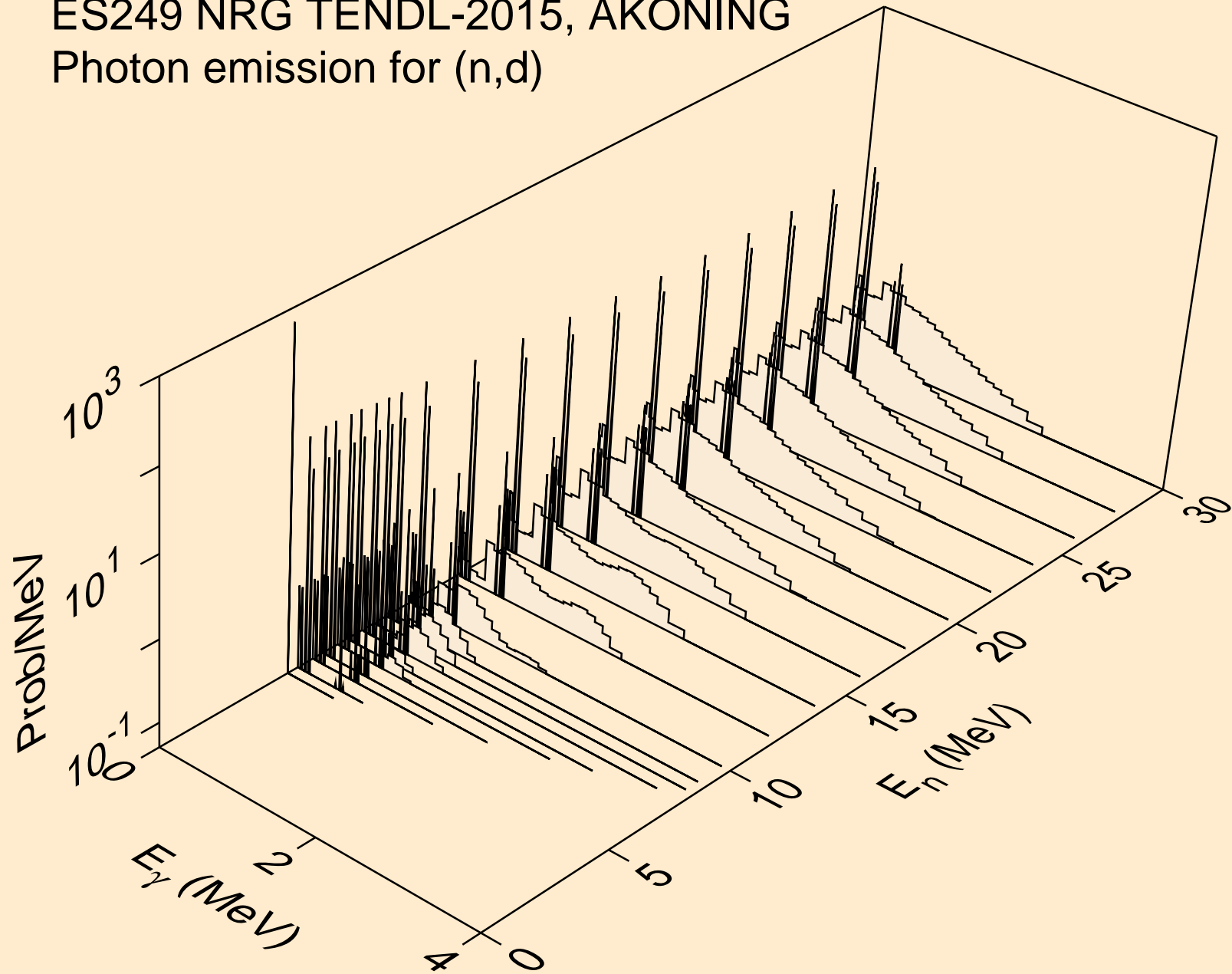
ES249 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



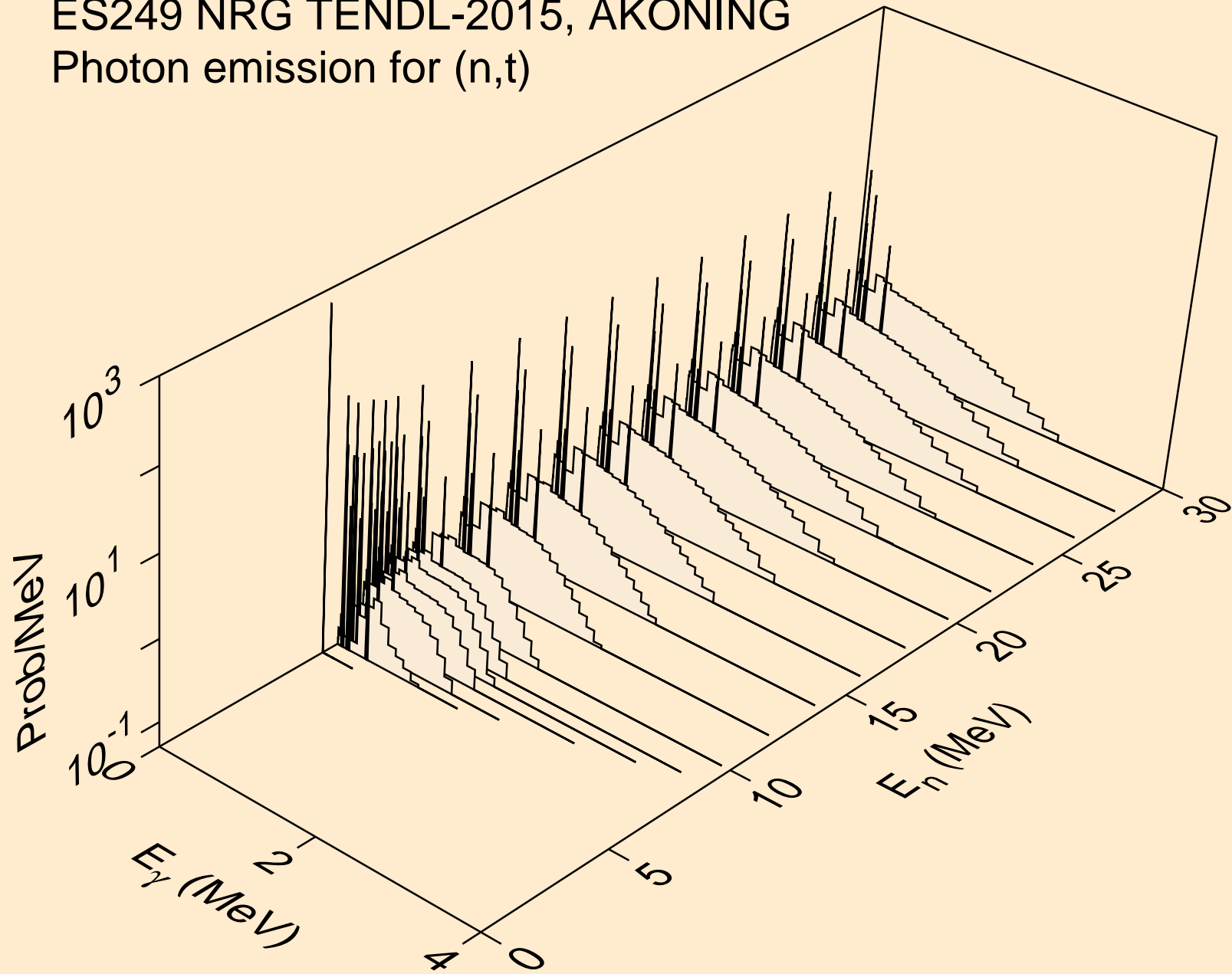
ES249 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



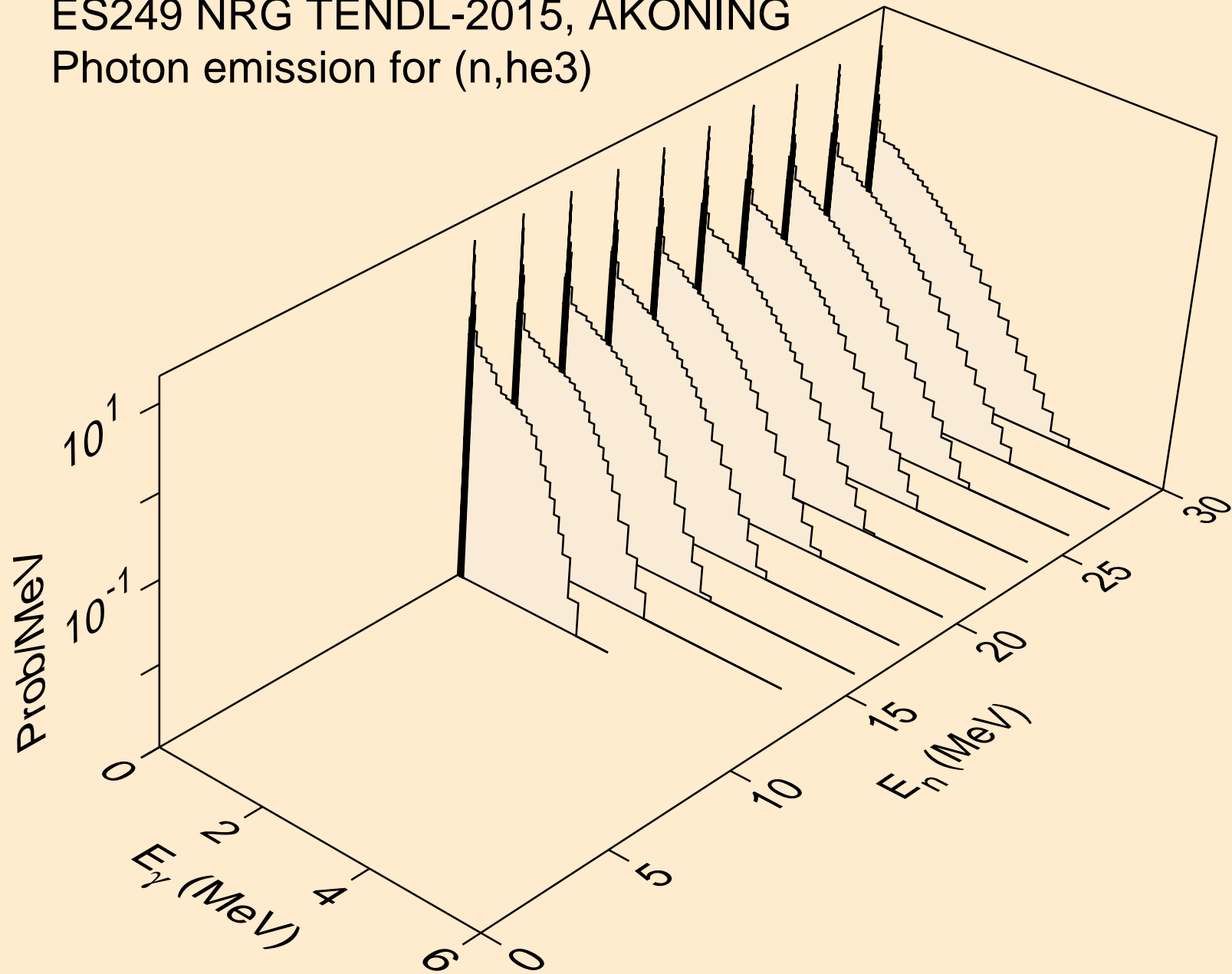
ES249 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



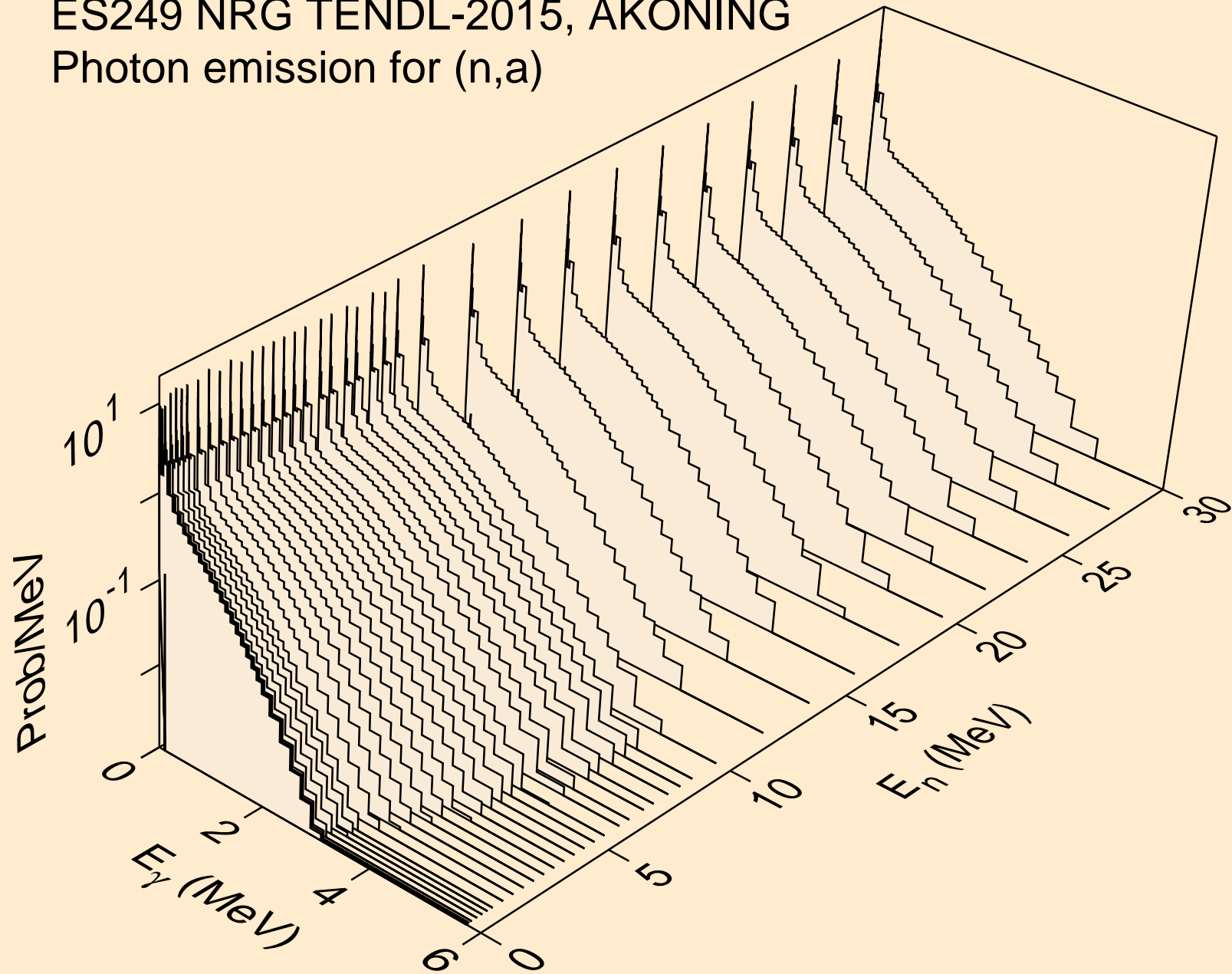
ES249 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



ES249 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)

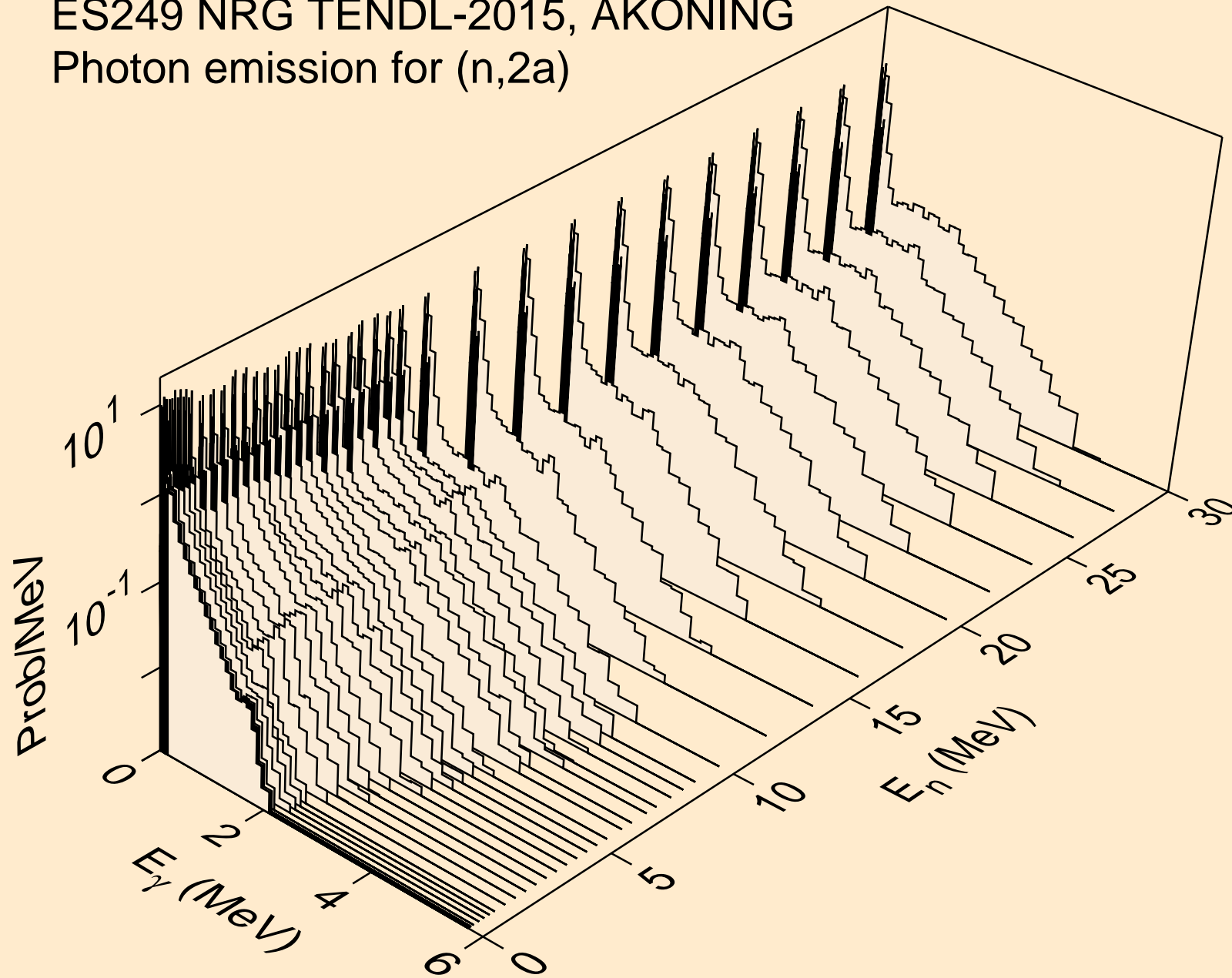


ES249 NRG TENDL-2015, AKONING  
Photon emission for (n,a)

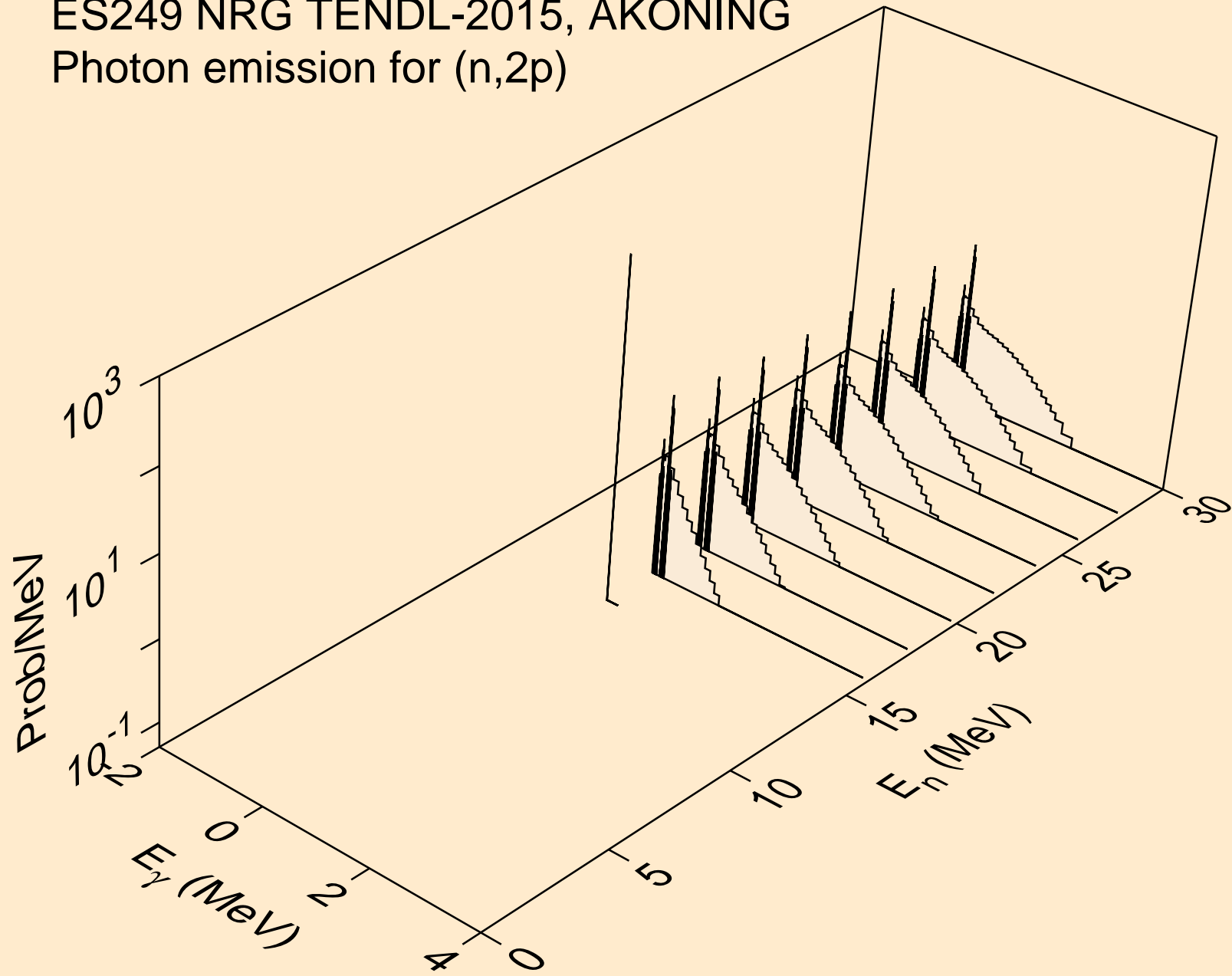




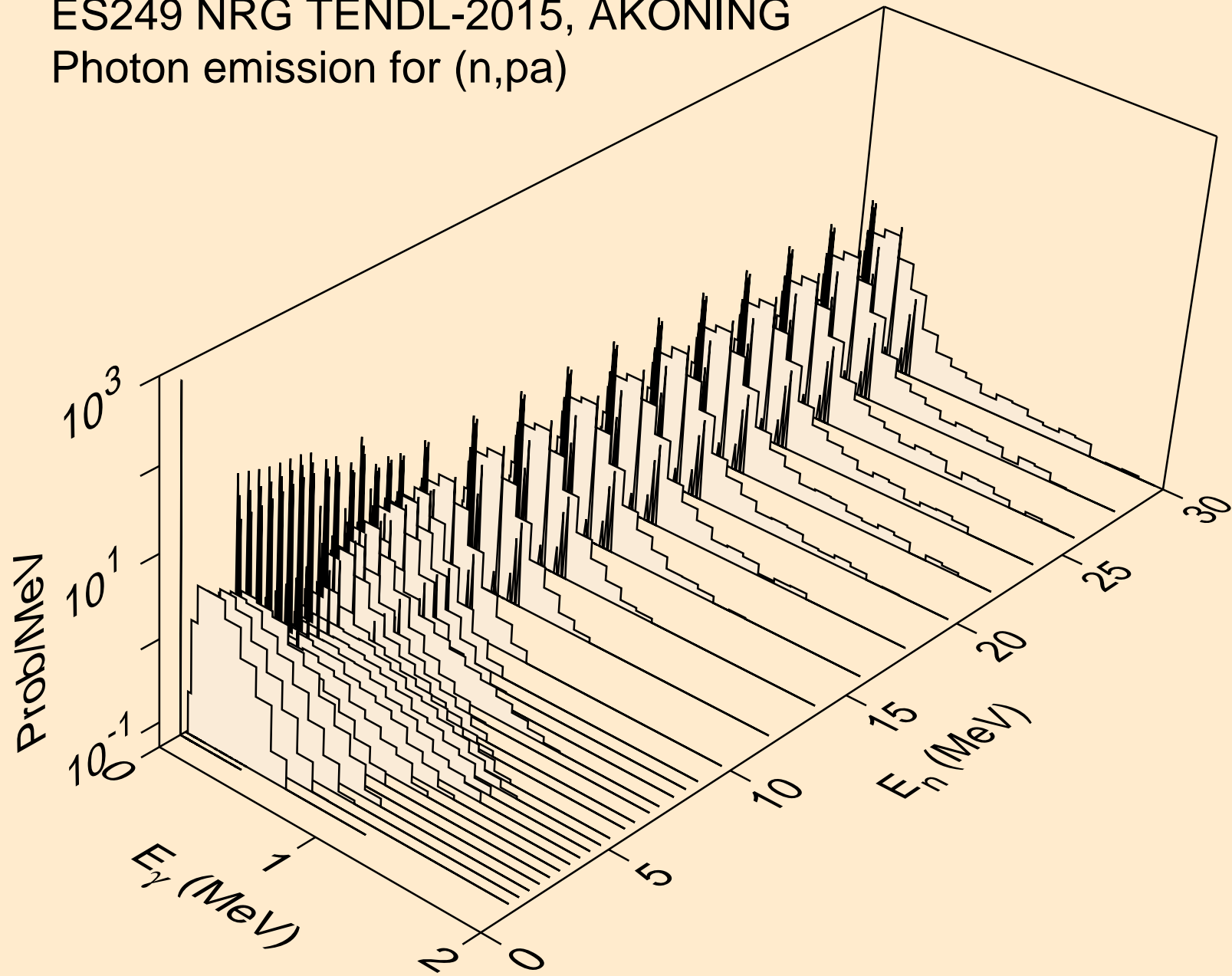
ES249 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



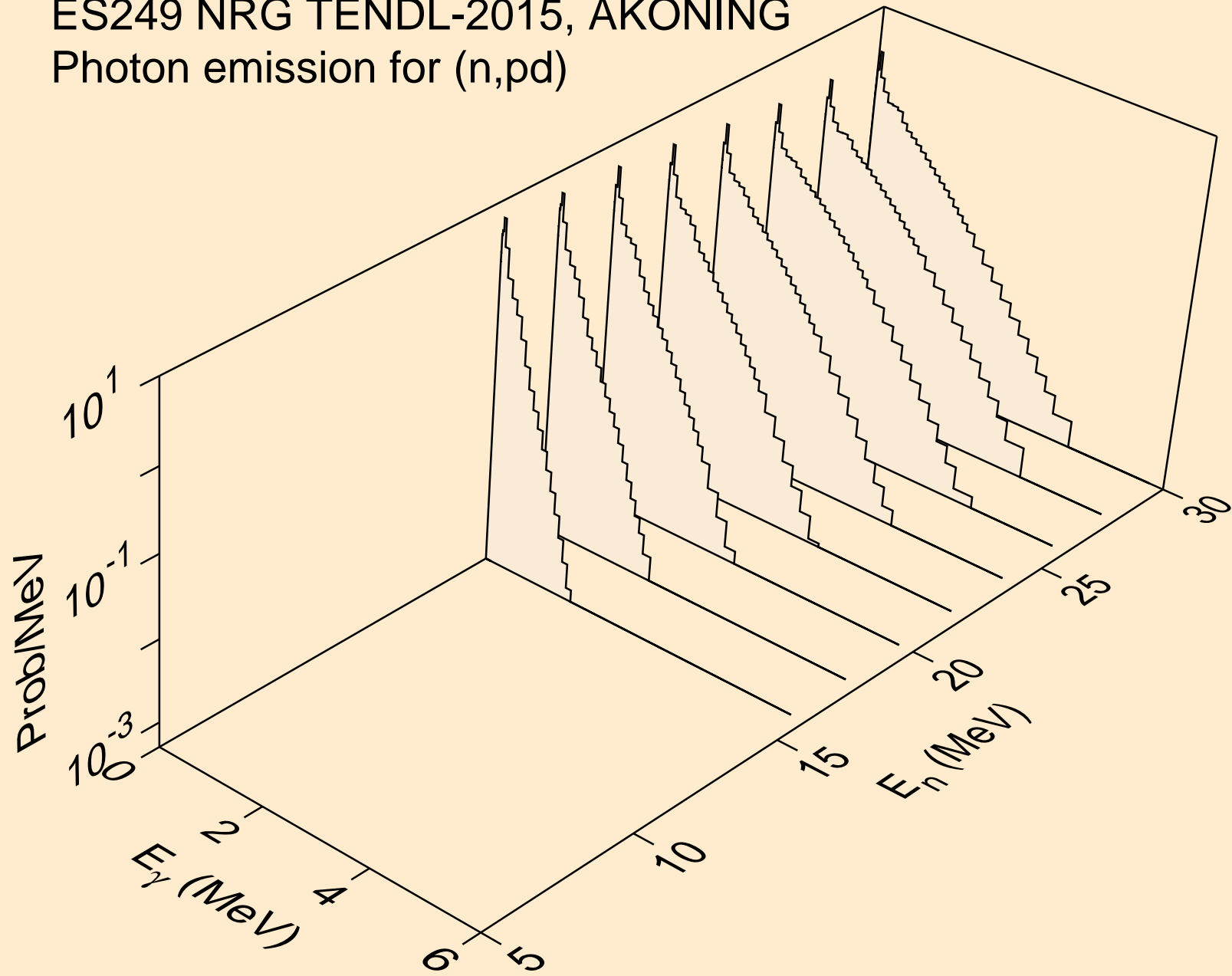
ES249 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



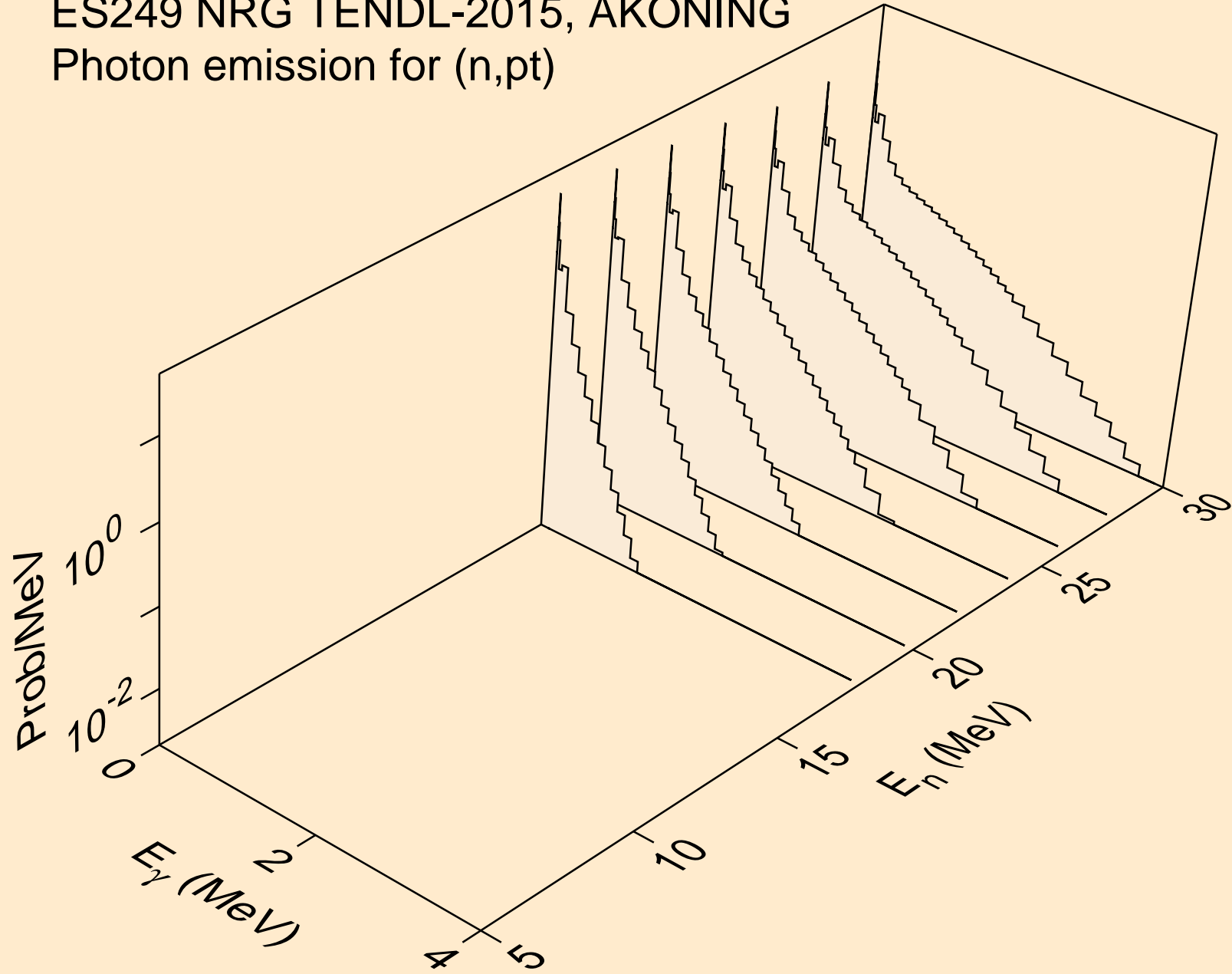
ES249 NRG TENDL-2015, AKONING  
Photon emission for (n,p $\alpha$ )



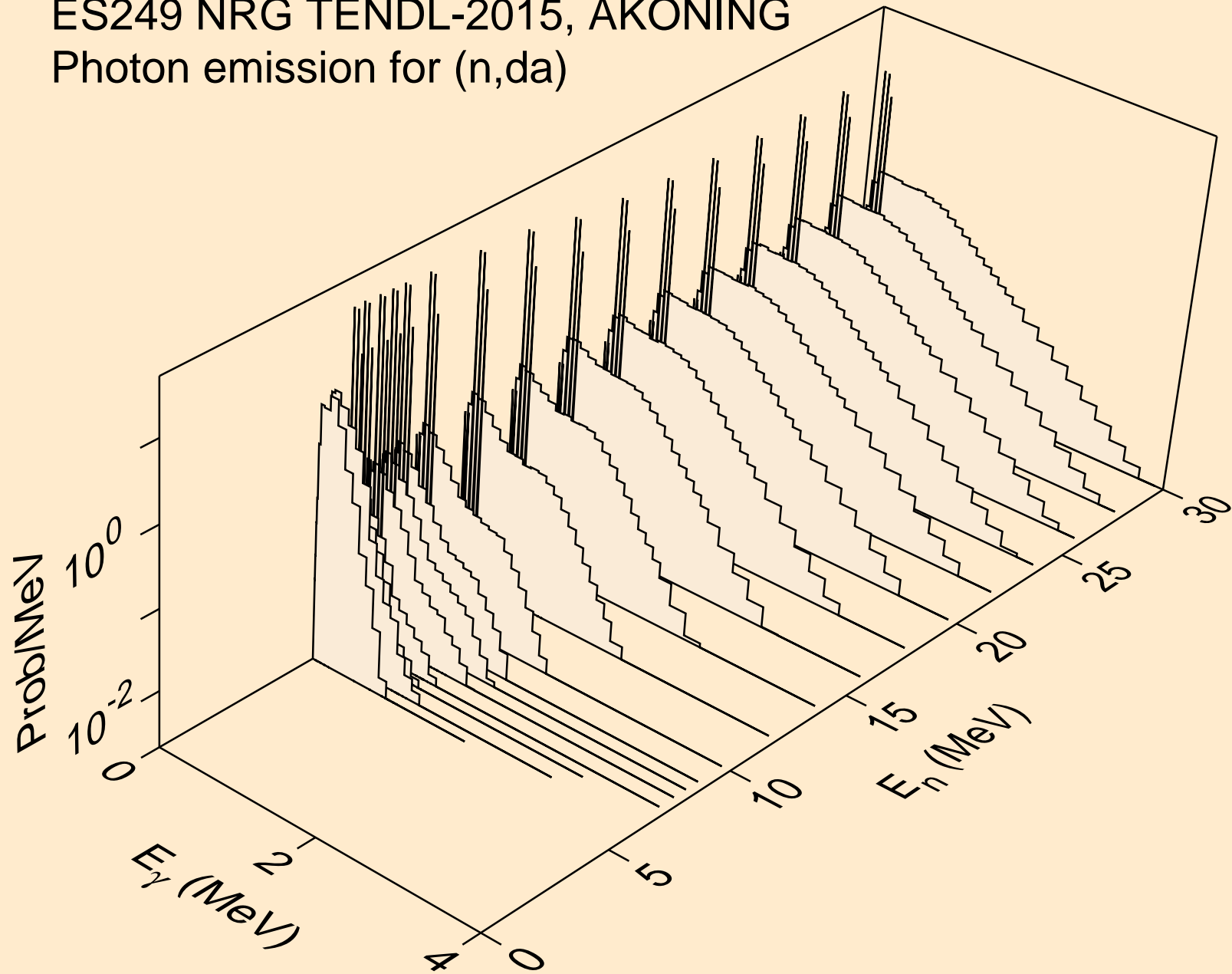
ES249 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



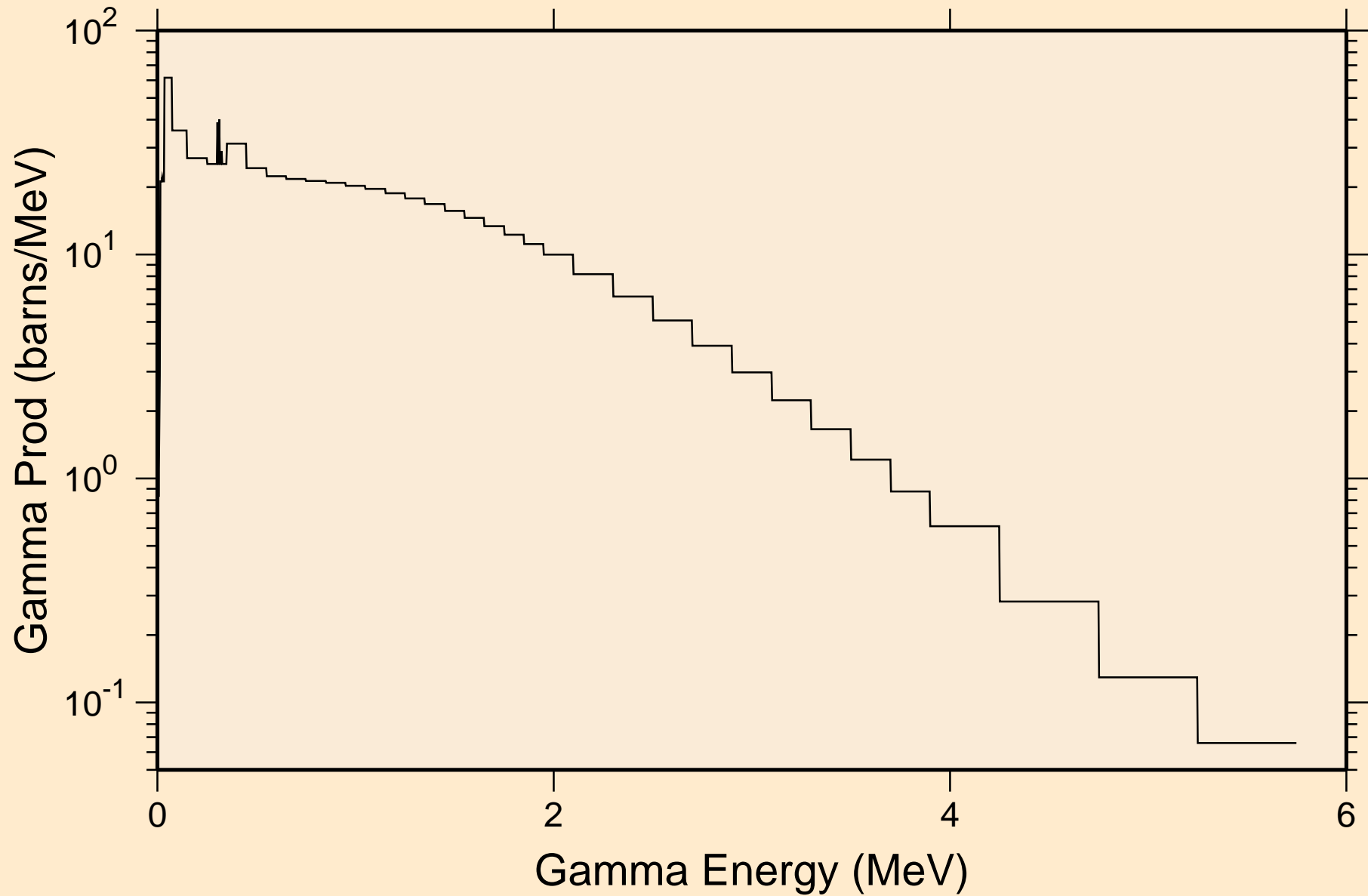
ES249 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



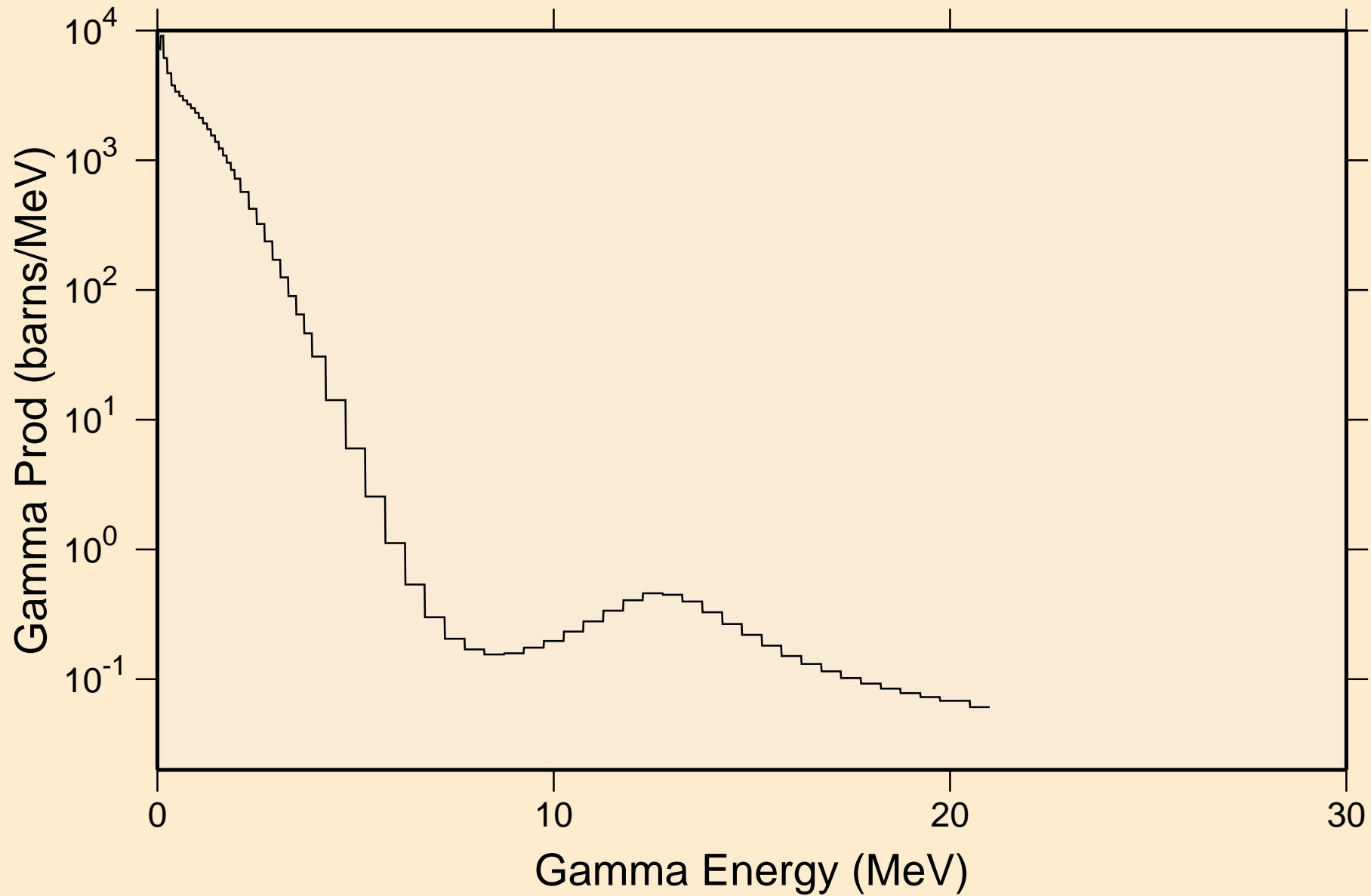
ES249 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



ES249 NRG TENDL-2015, AKONING  
thermal capture photon spectrum



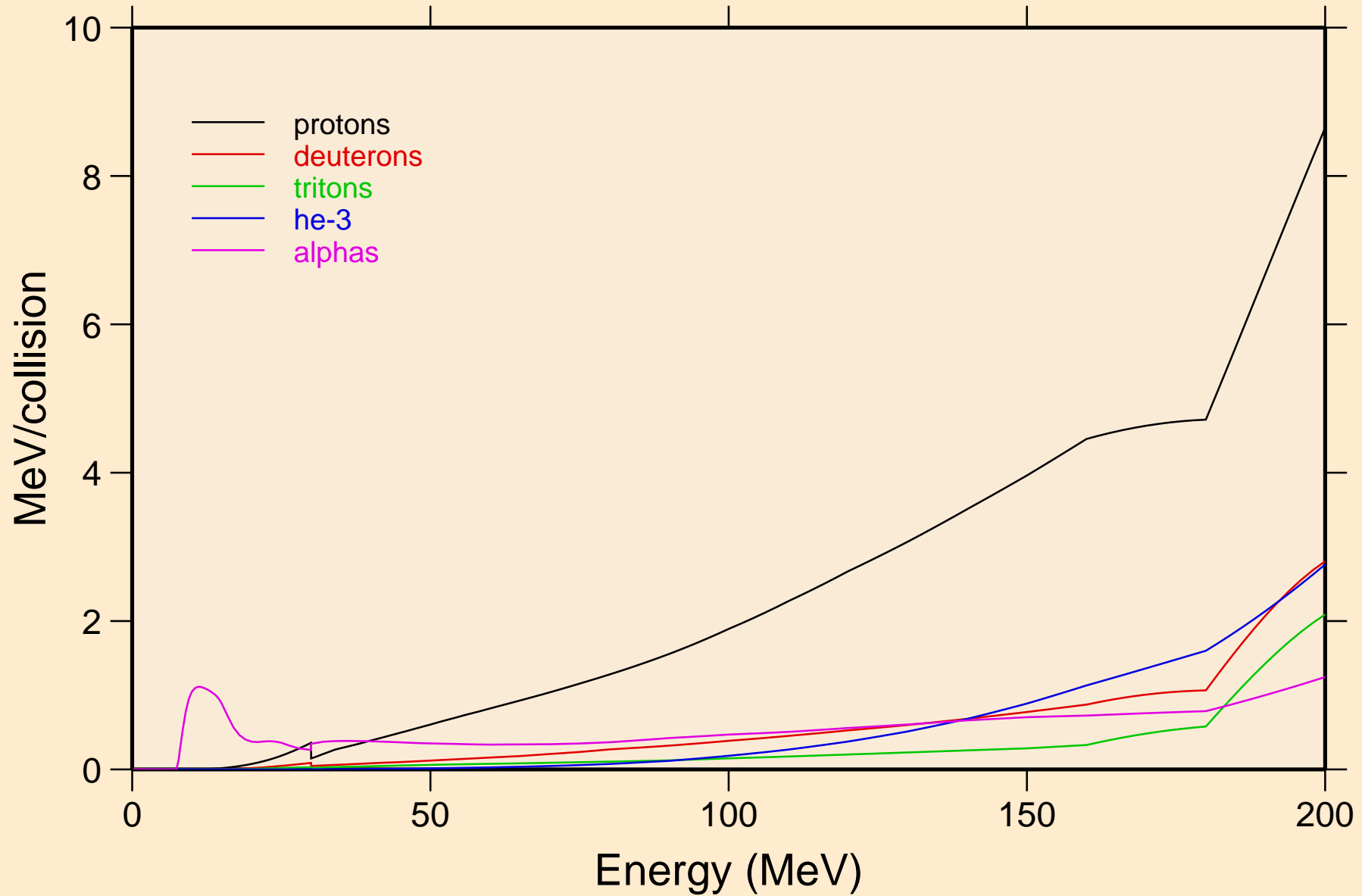
ES249 NRG TENDL-2015, AKONING  
14 MeV photon spectrum





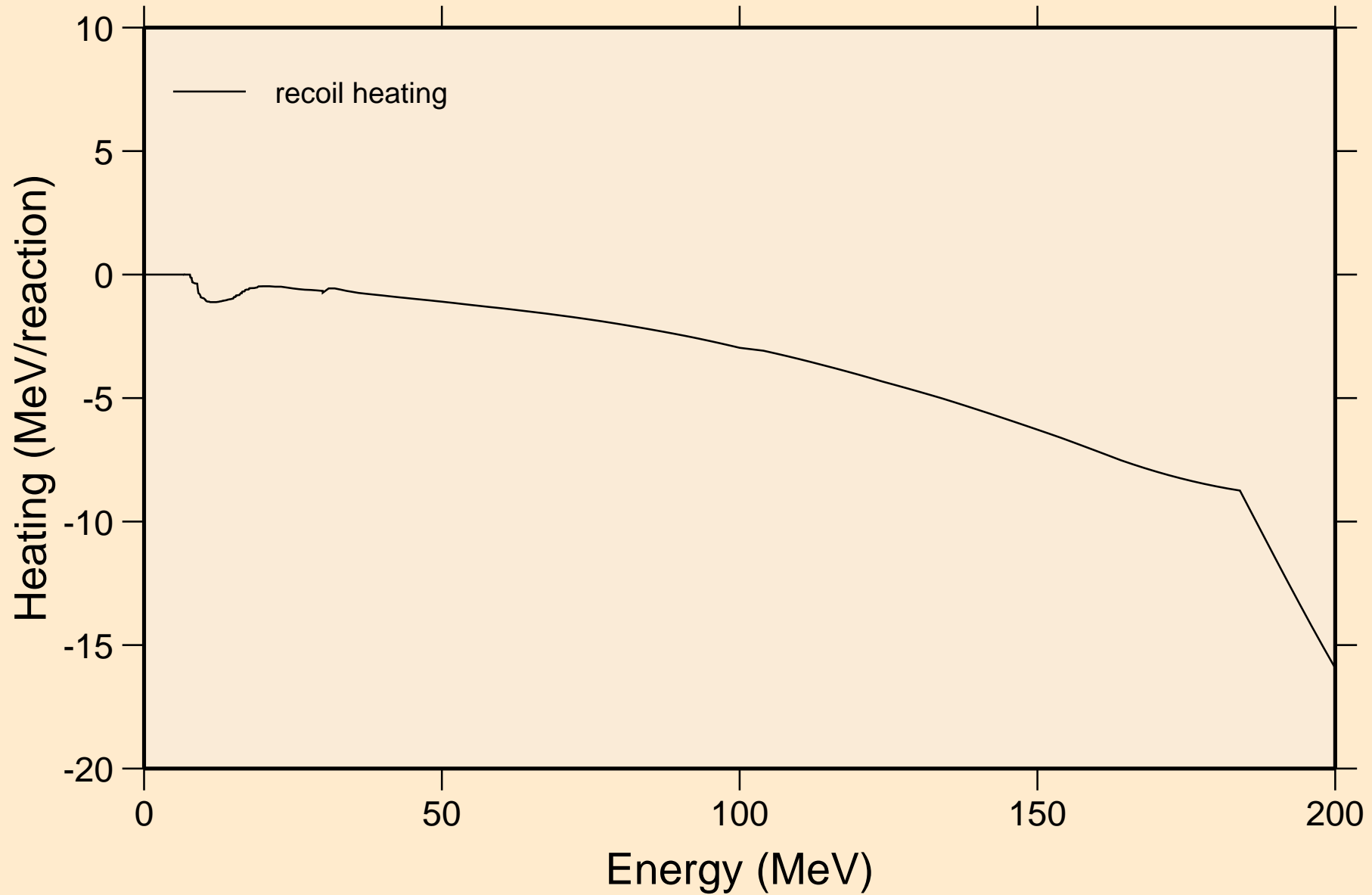
# ES249 NRG TENDL-2015, AKONING

## Particle heating contributions



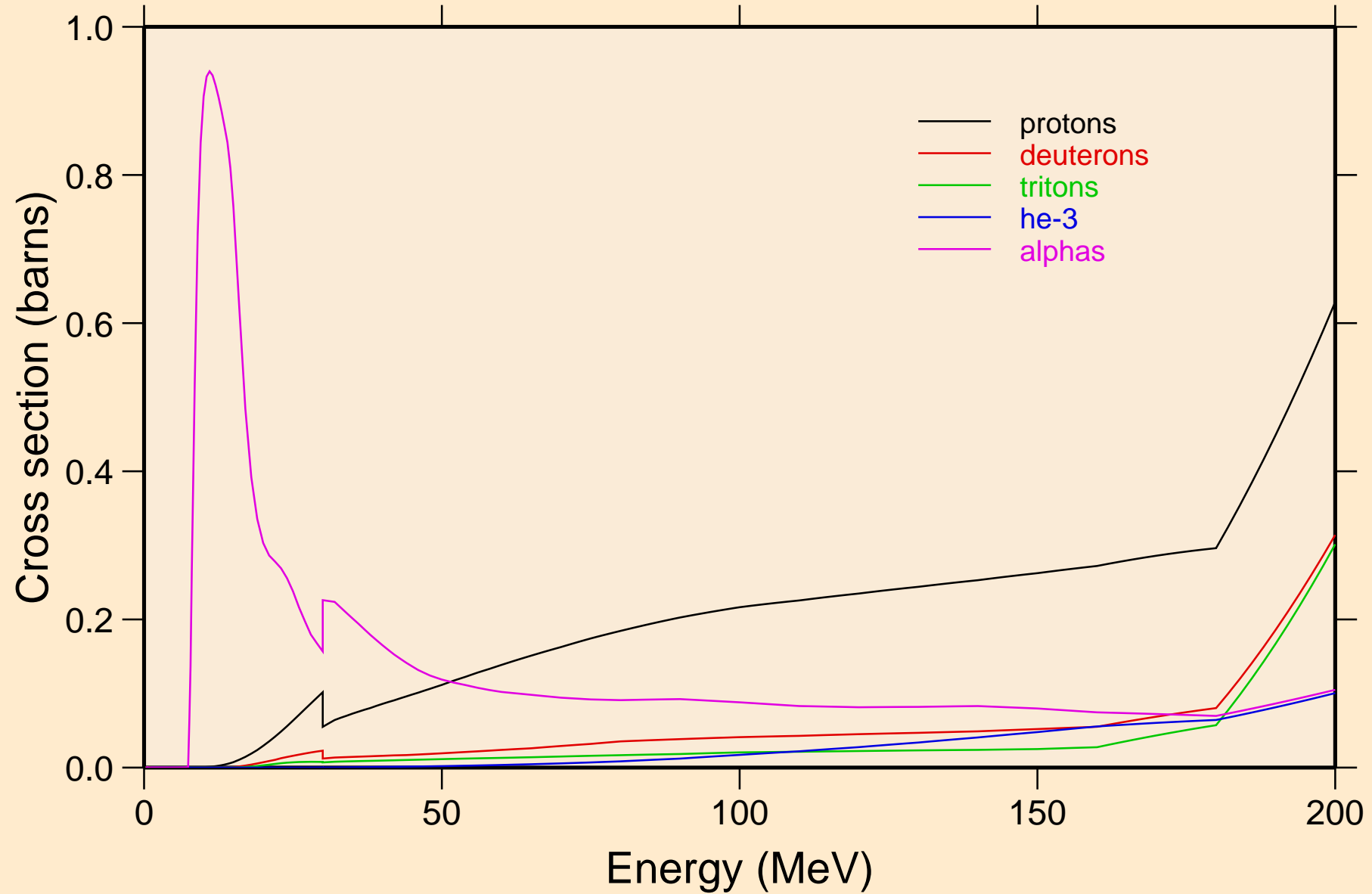
# ES249 NRG TENDL-2015, AKONING

## Recoil Heating

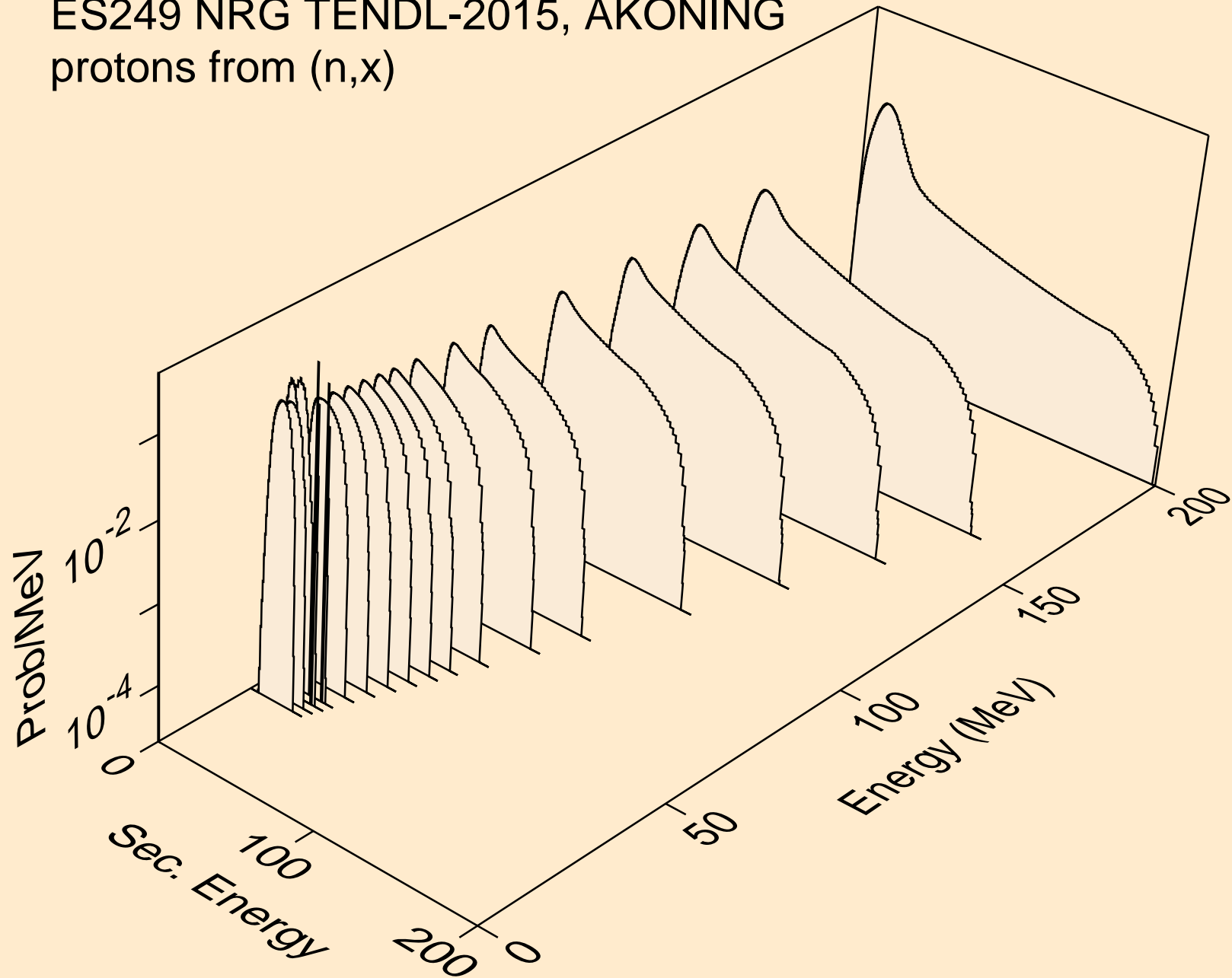


# ES249 NRG TENDL-2015, AKONING

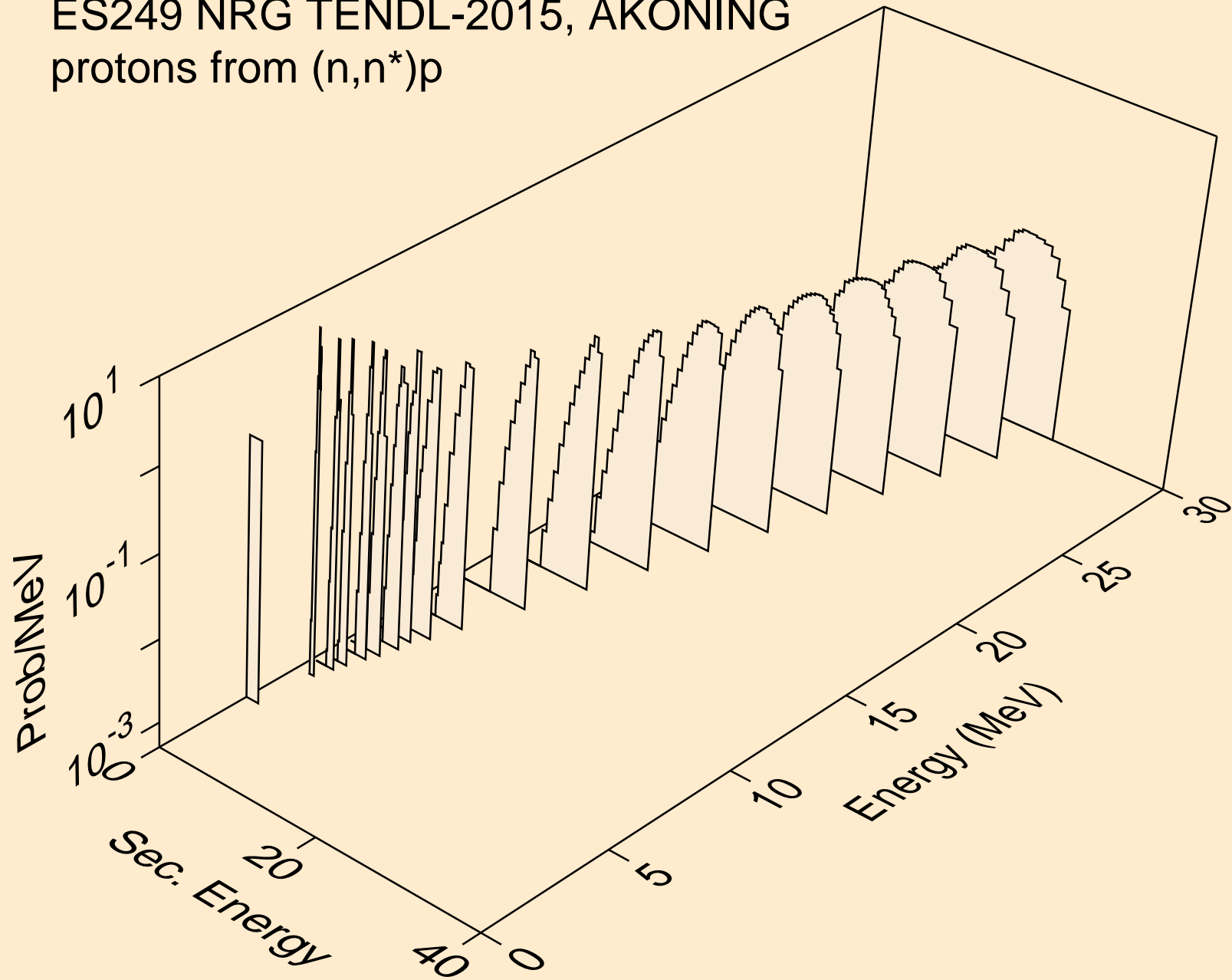
## Particle production cross sections



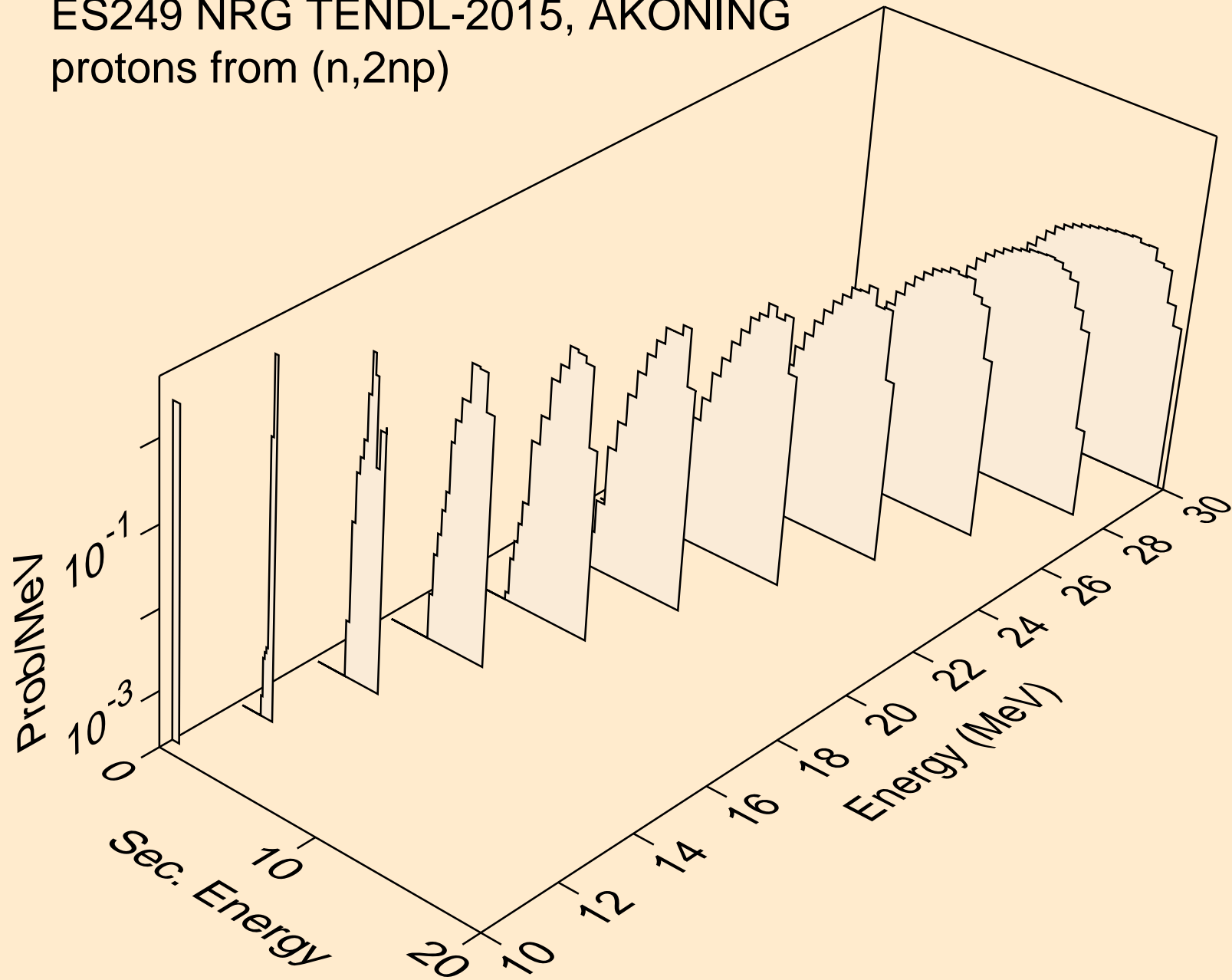
ES249 NRG TENDL-2015, AKONING  
protons from (n,x)



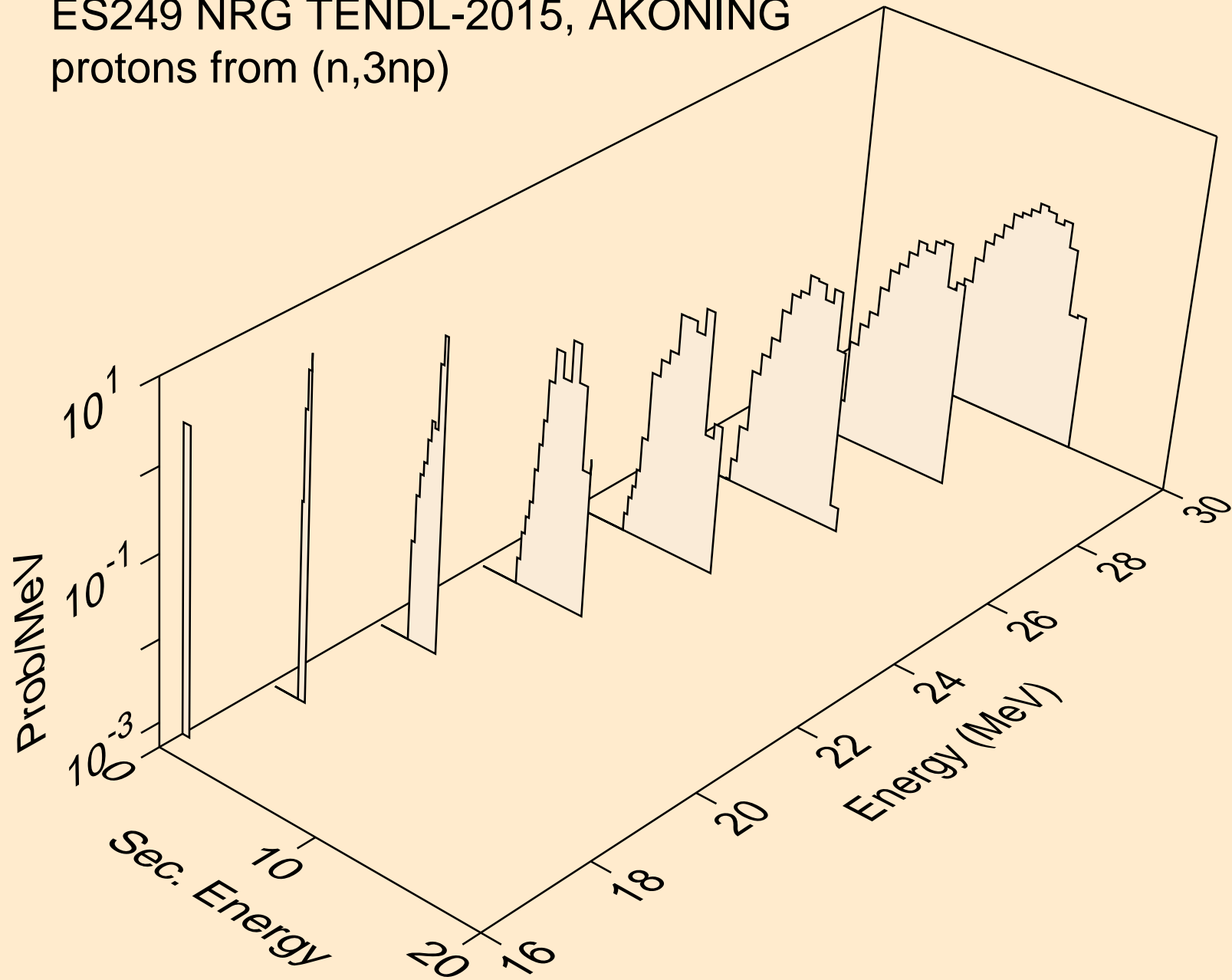
ES249 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



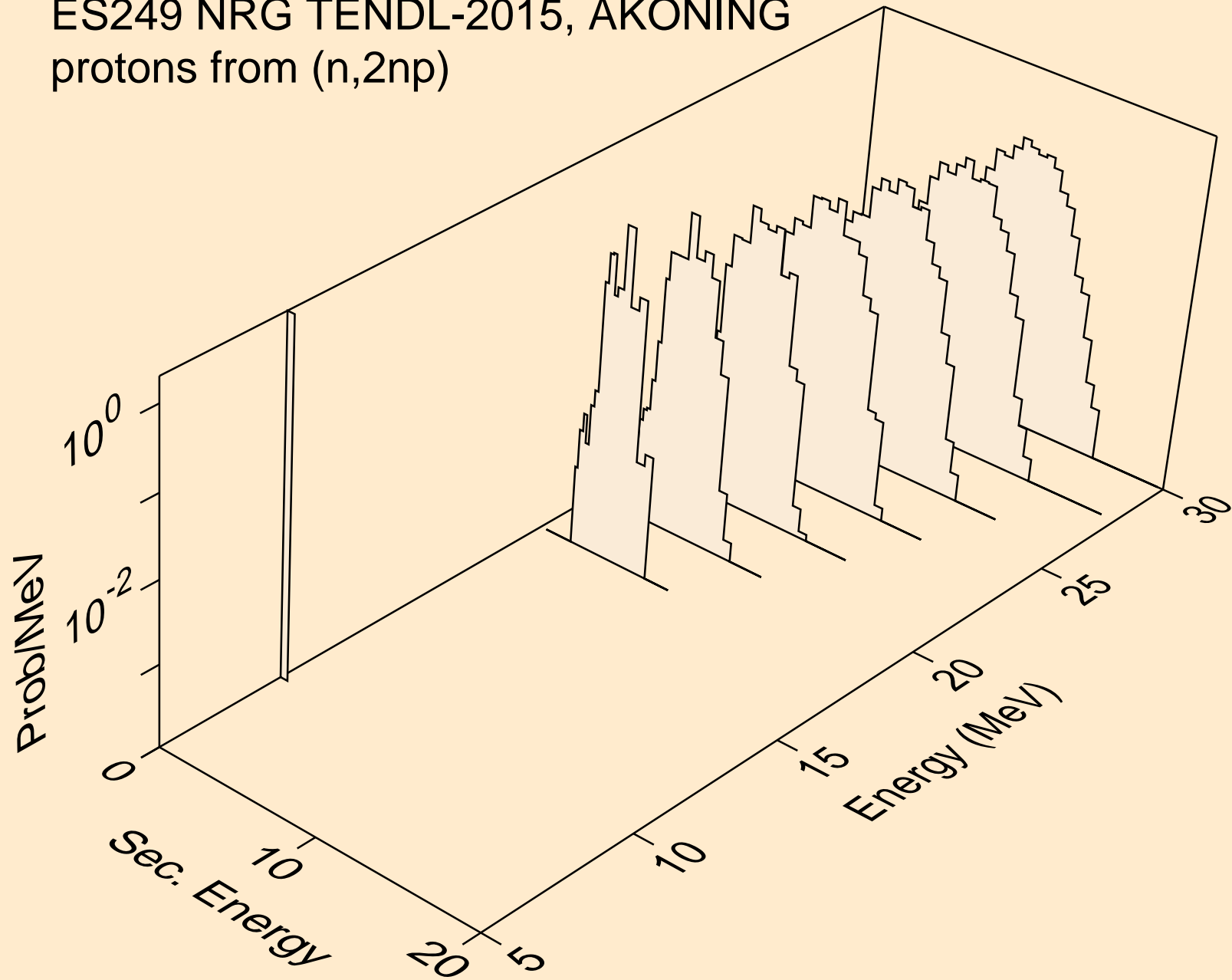
ES249 NRG TENDL-2015, AKONING  
protons from (n,2np)



ES249 NRG TENDL-2015, AKONING  
protons from (n,3np)

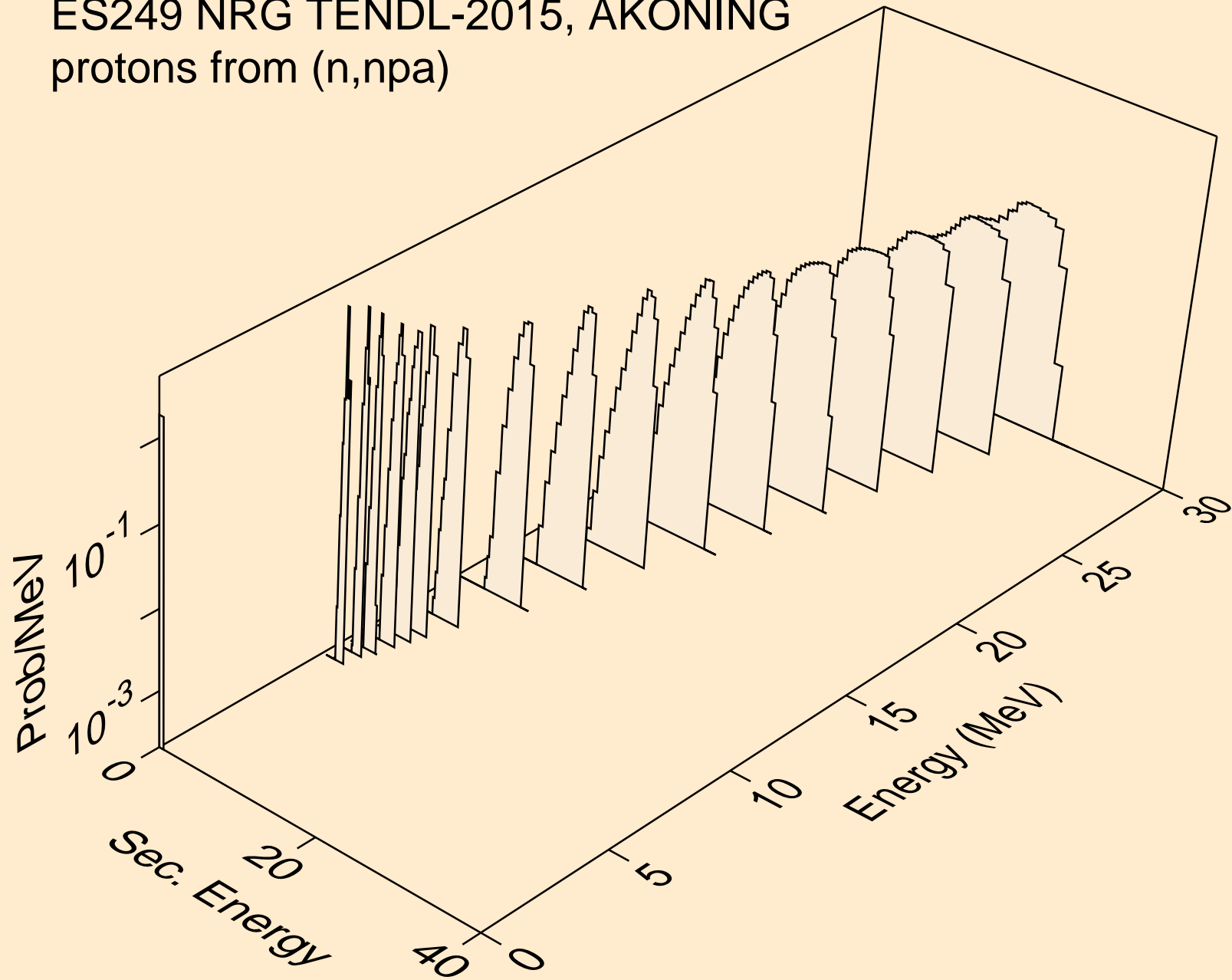


ES249 NRG TENDL-2015, AKONING  
protons from (n,2np)

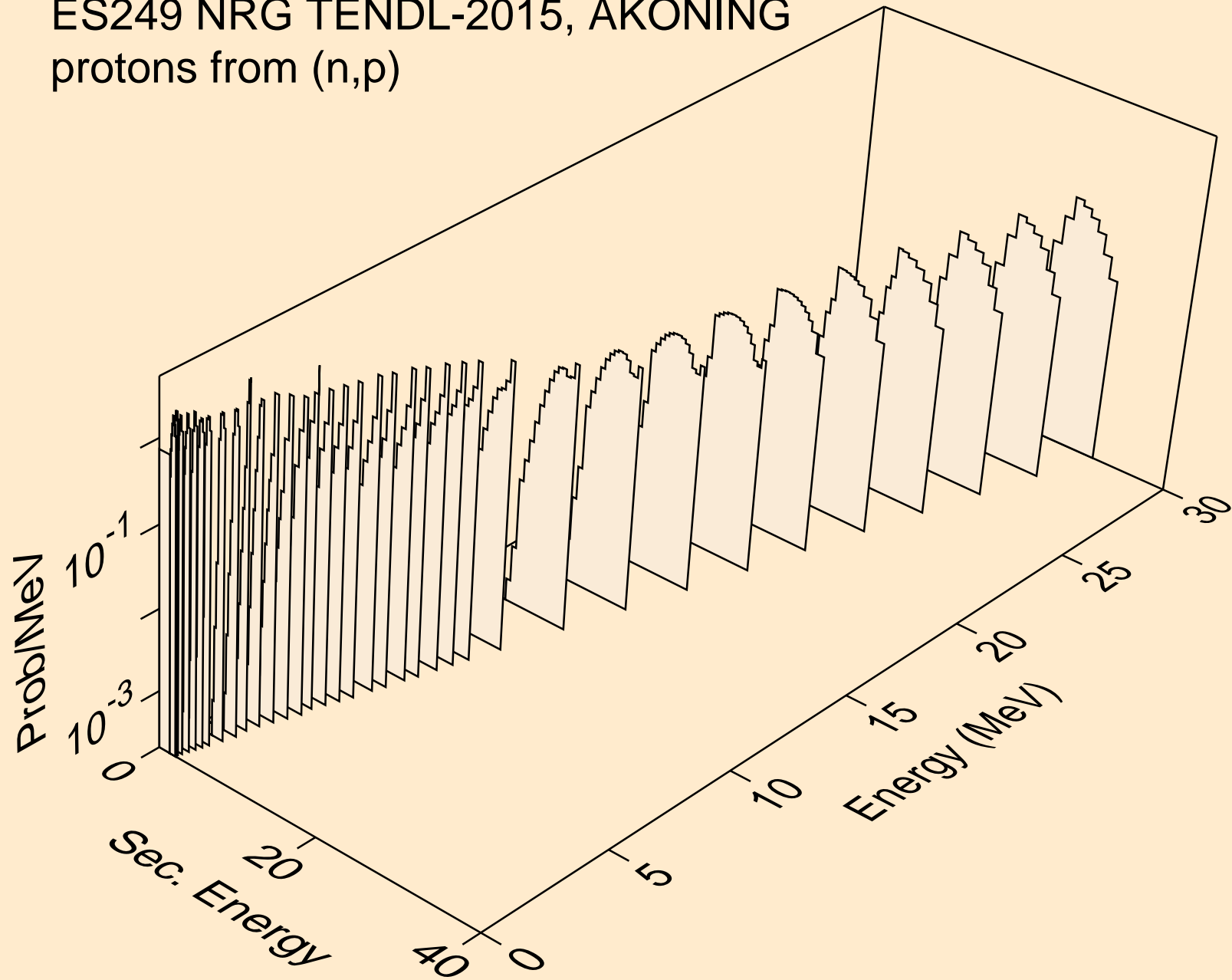




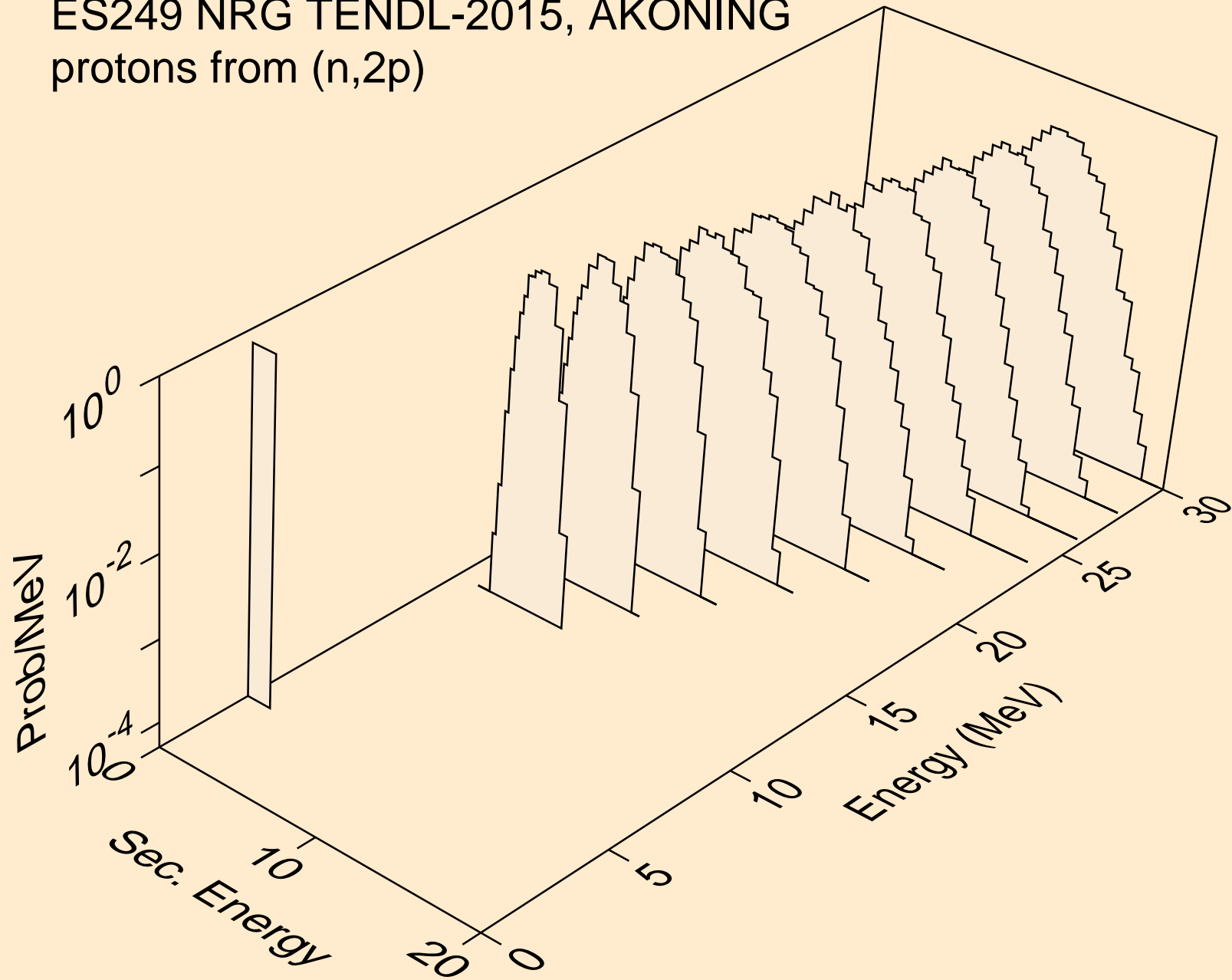
ES249 NRG TENDL-2015, AKONING  
protons from (n,npa)



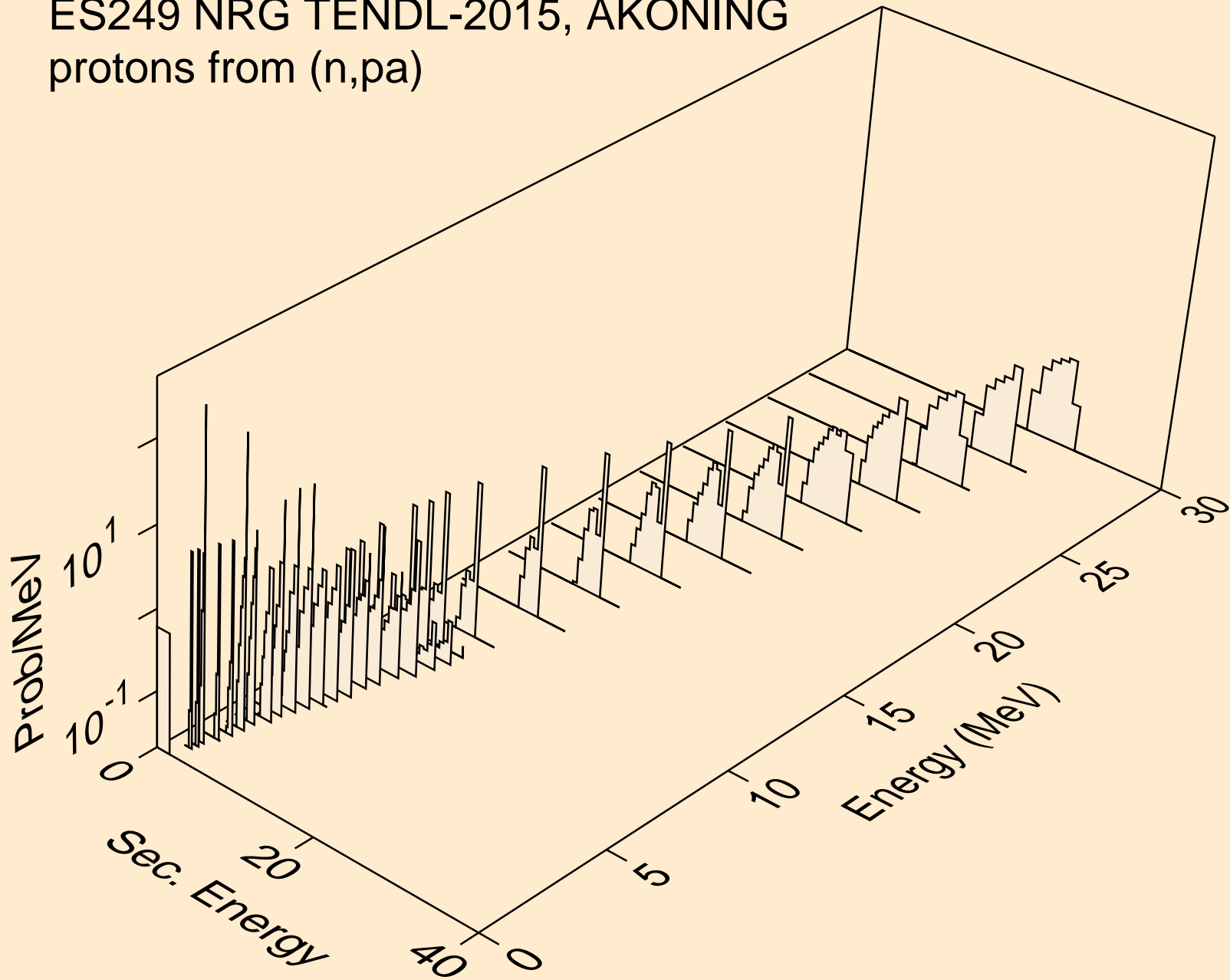
ES249 NRG TENDL-2015, AKONING  
protons from (n,p)



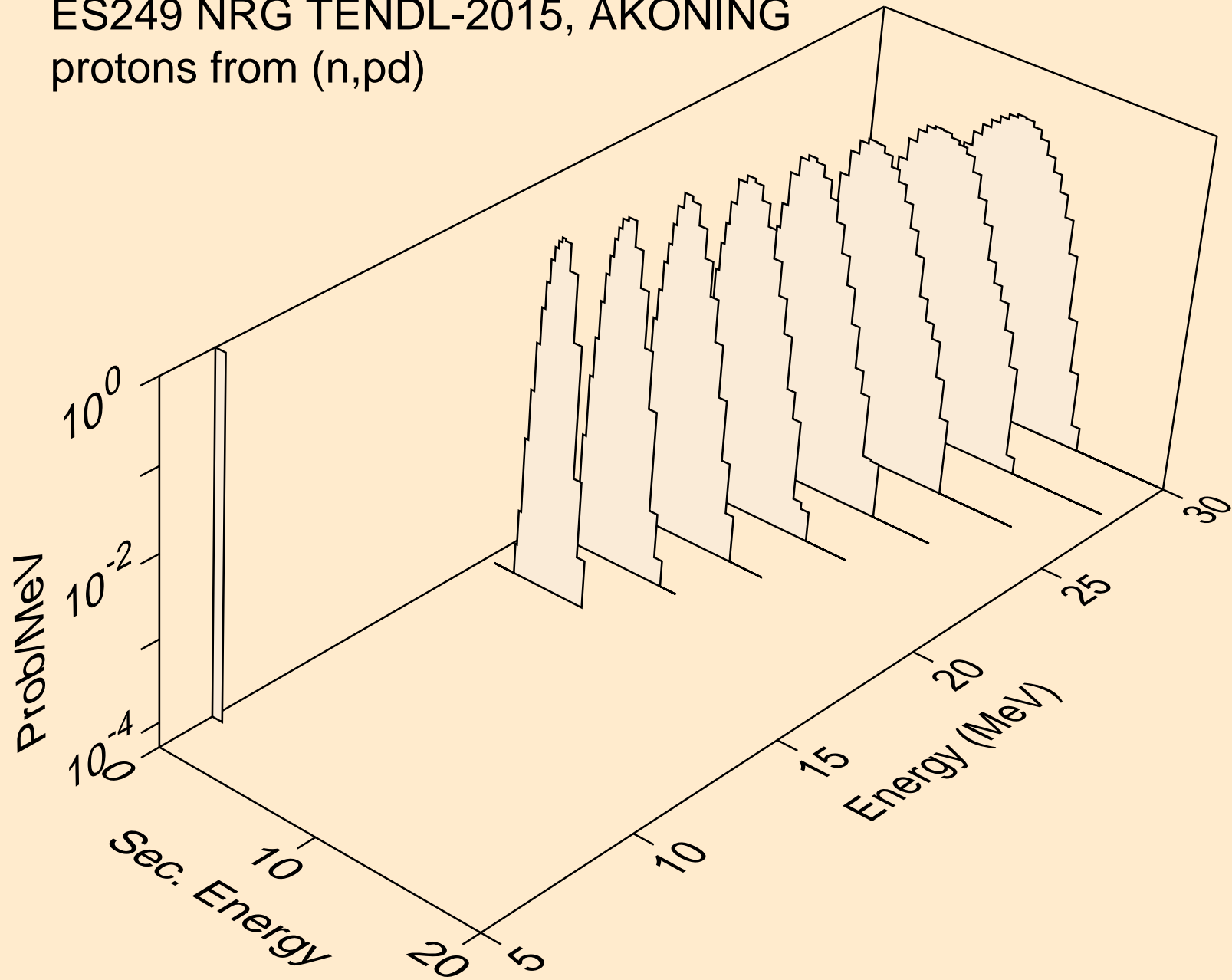
ES249 NRG TENDL-2015, AKONING  
protons from (n,2p)



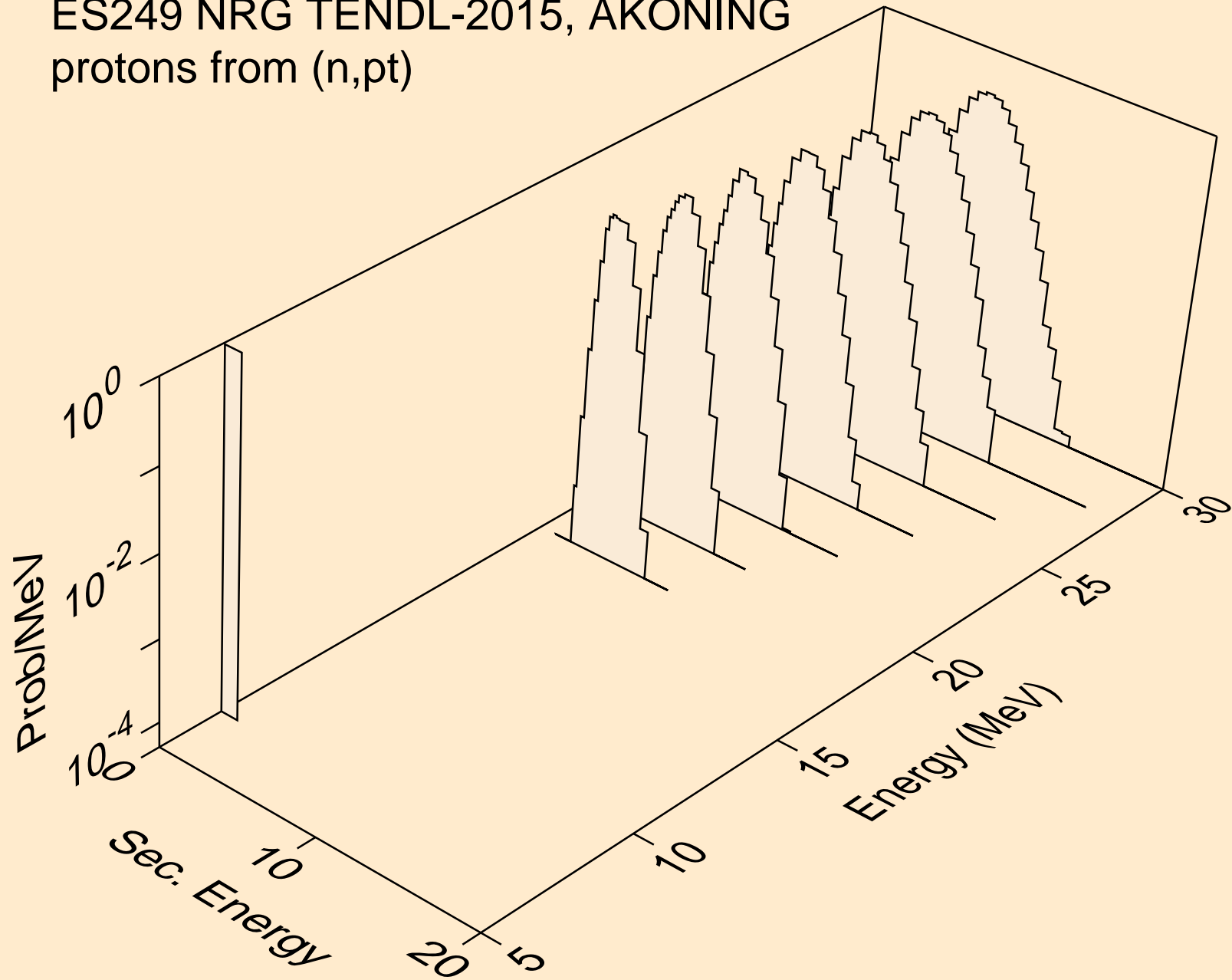
ES249 NRG TENDL-2015, AKONING  
protons from (n,pa)



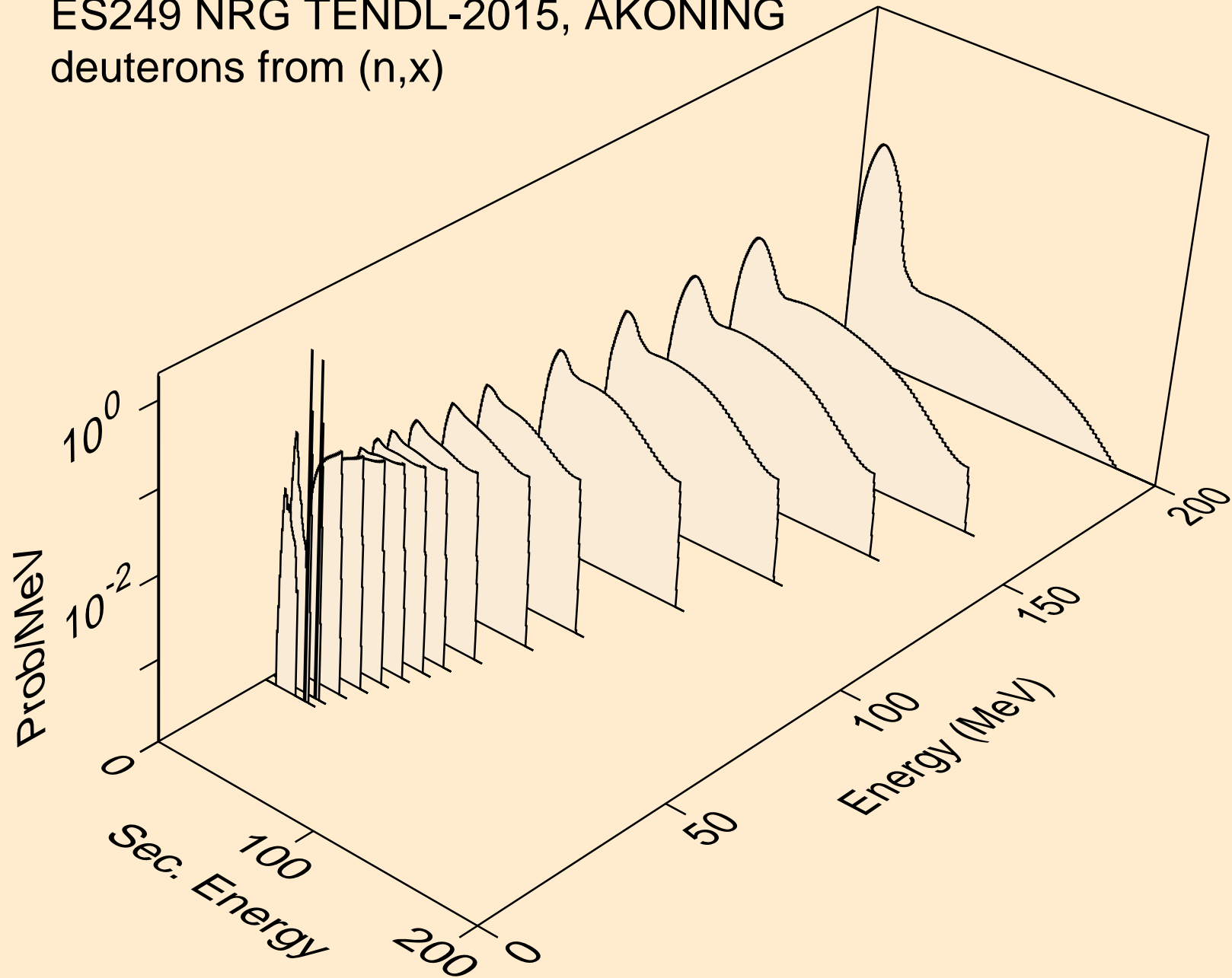
ES249 NRG TENDL-2015, AKONING  
protons from (n,pd)



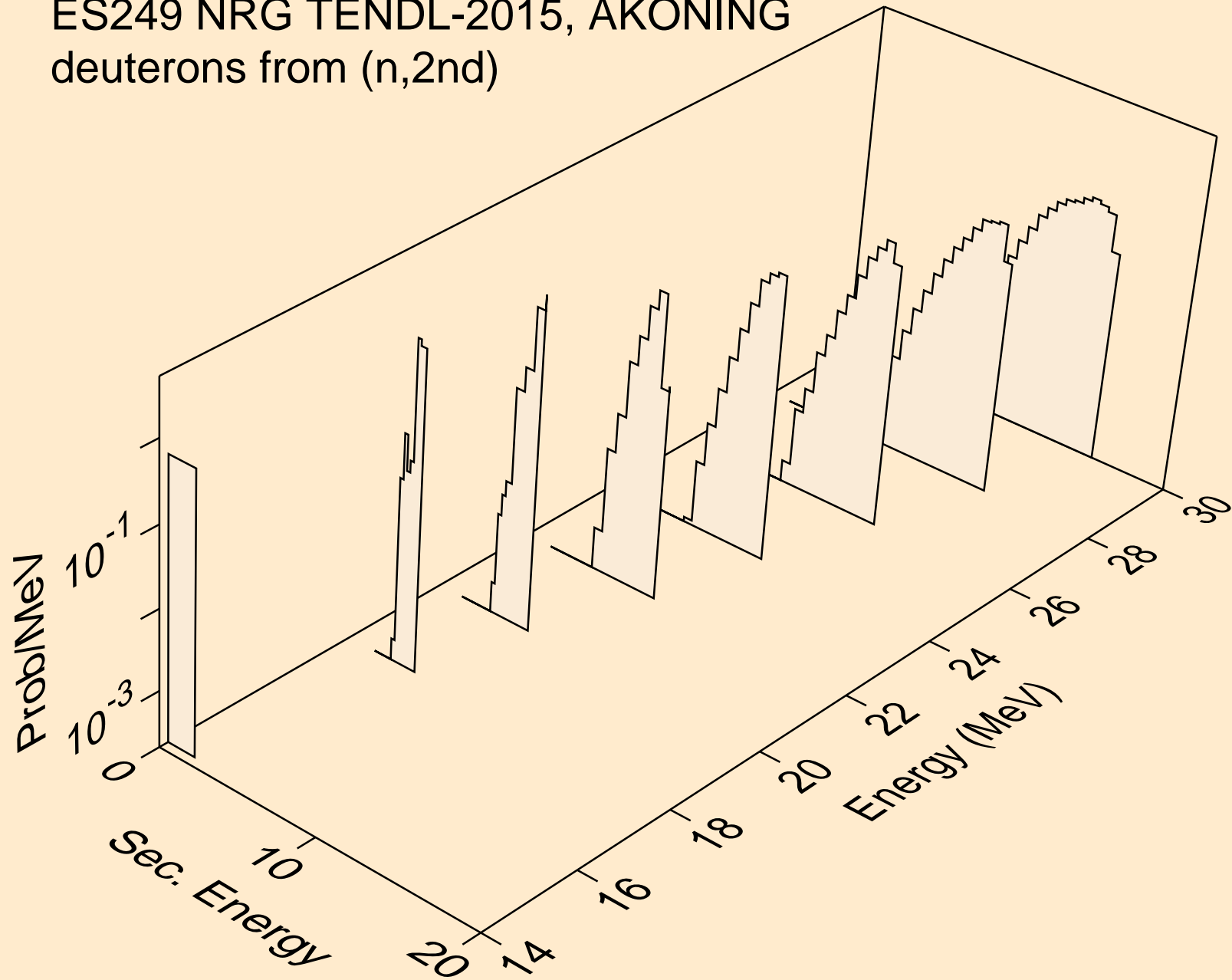
ES249 NRG TENDL-2015, AKONING  
protons from (n,pt)



ES249 NRG TENDL-2015, AKONING  
deuterons from (n,x)

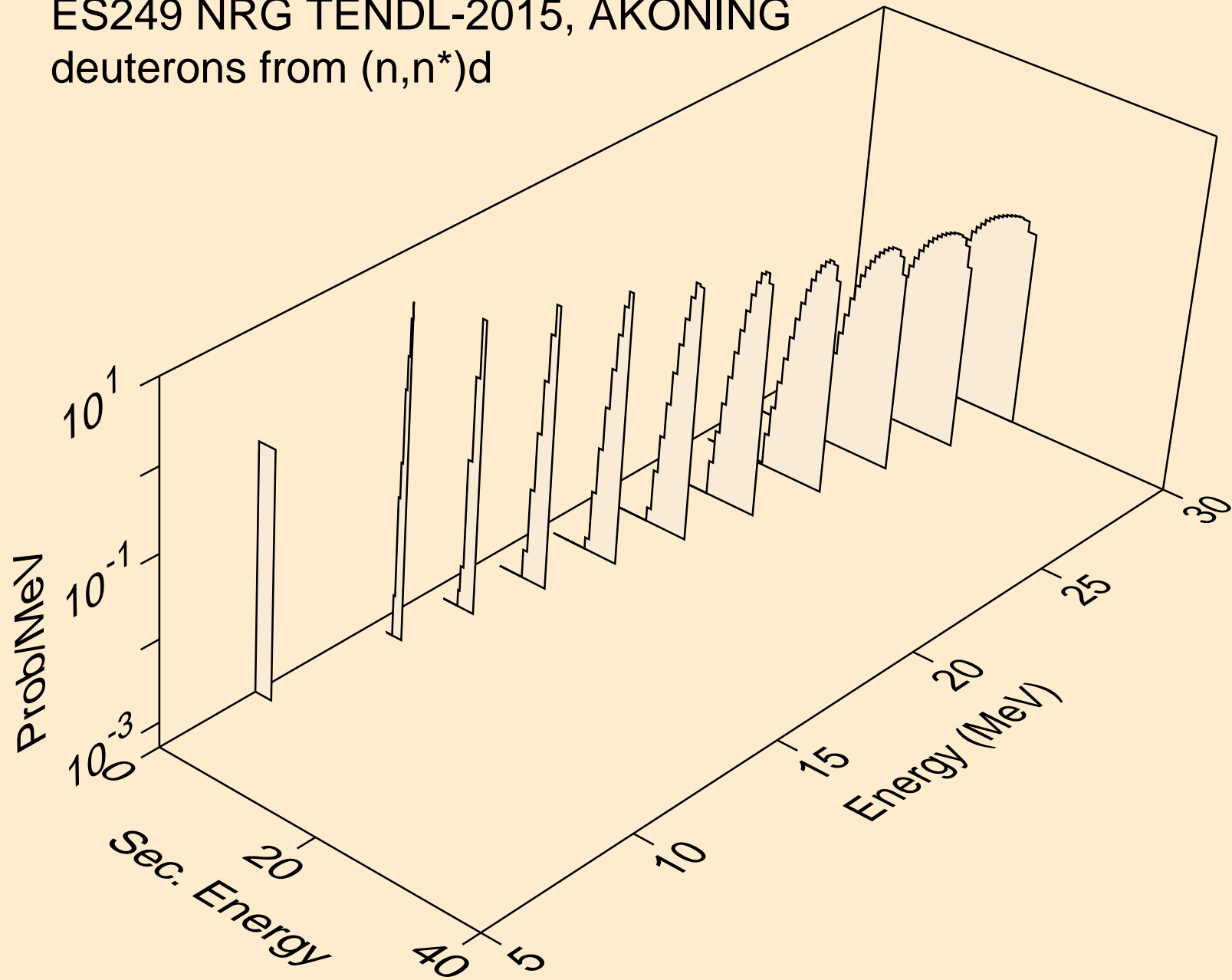


ES249 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)

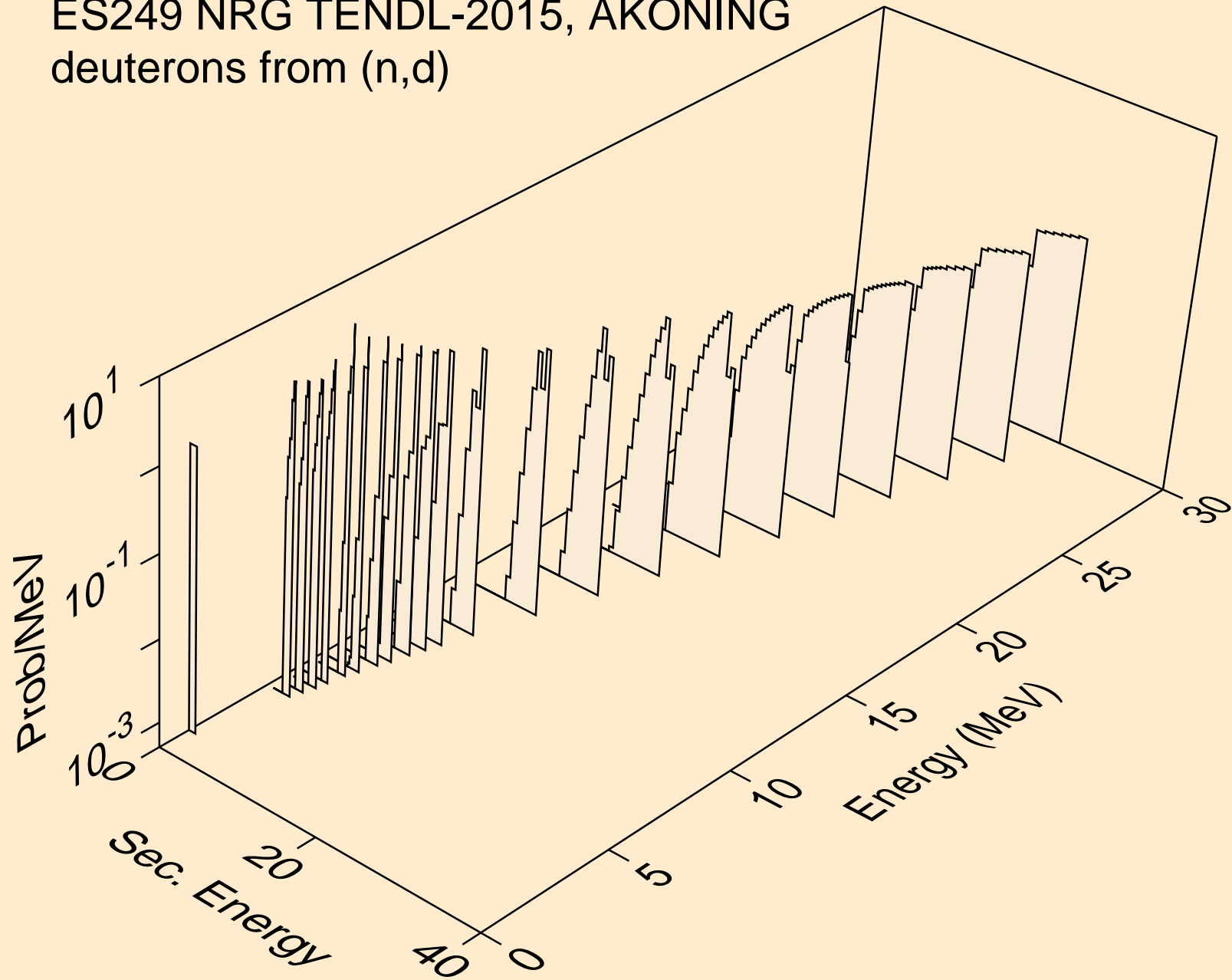




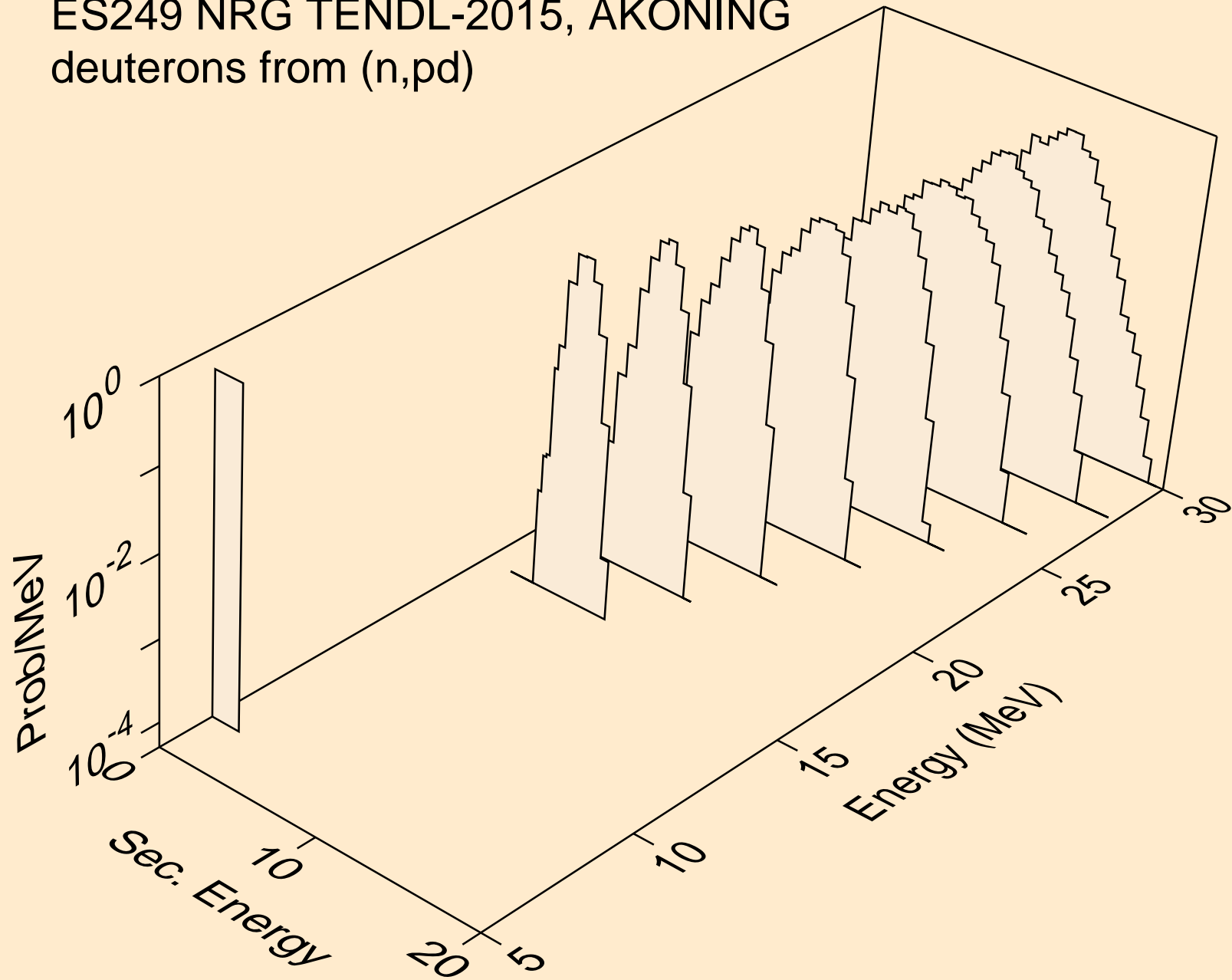
ES249 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



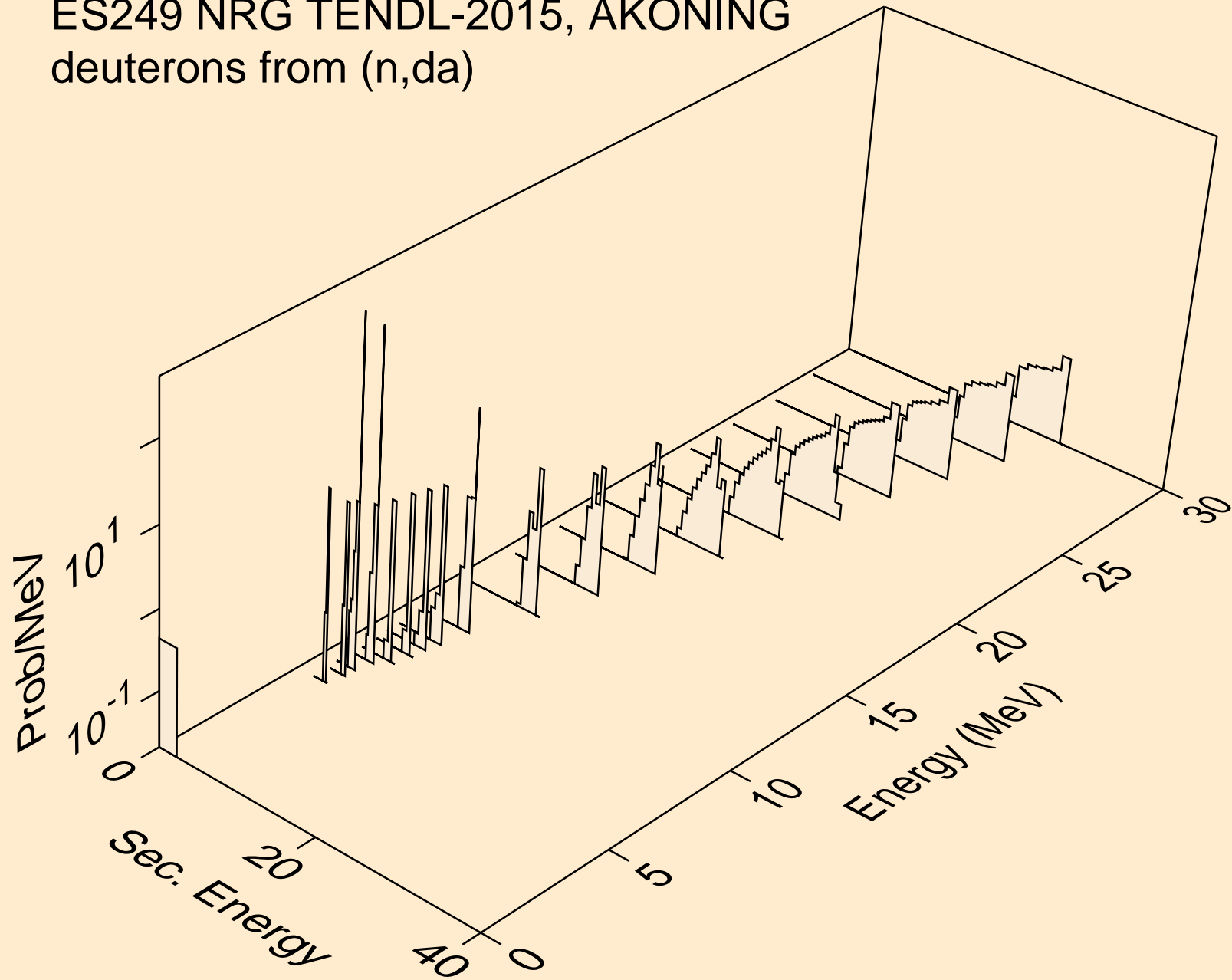
ES249 NRG TENDL-2015, AKONING  
deuterons from (n,d)



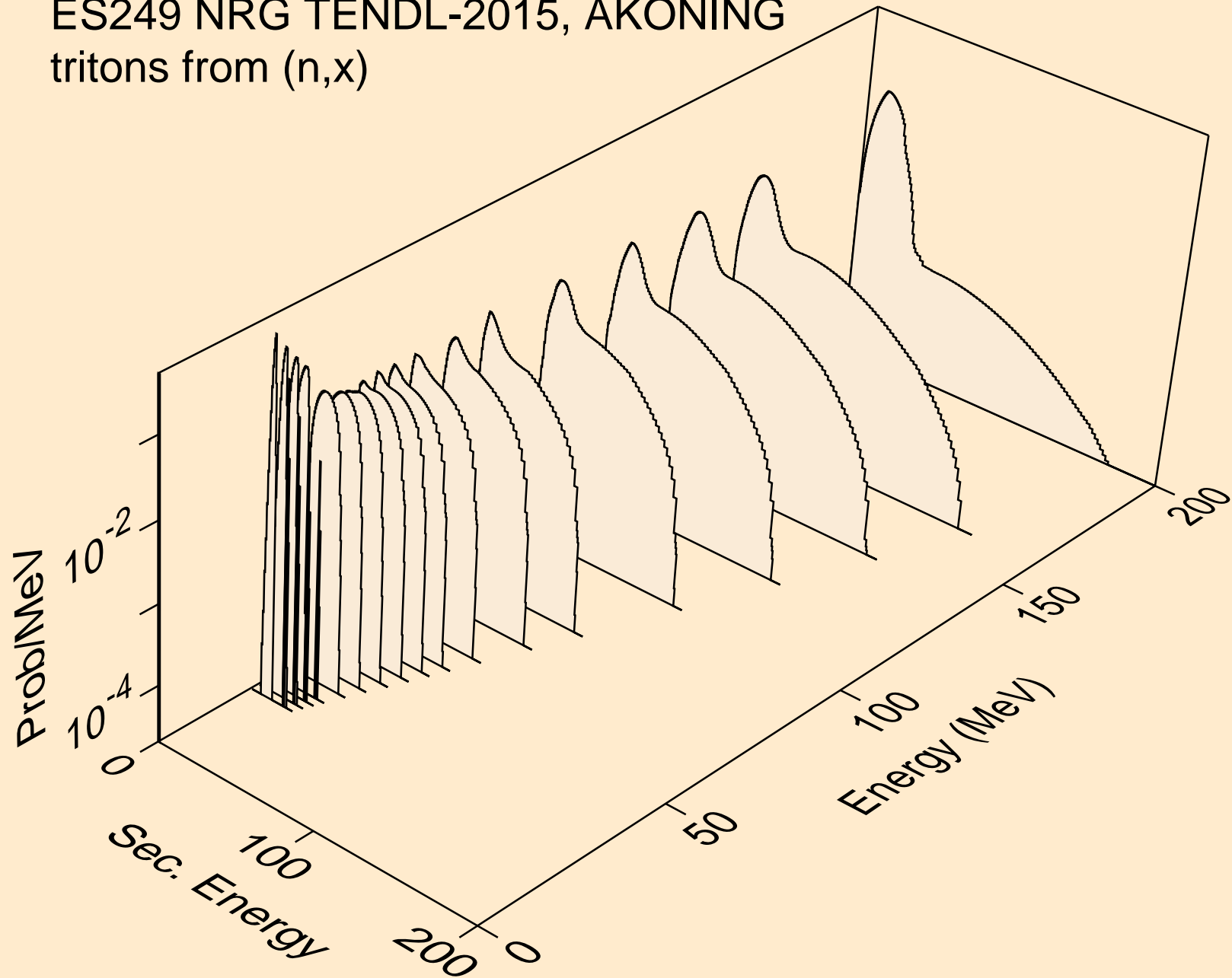
ES249 NRG TENDL-2015, AKONING  
deuterons from (n,pd)



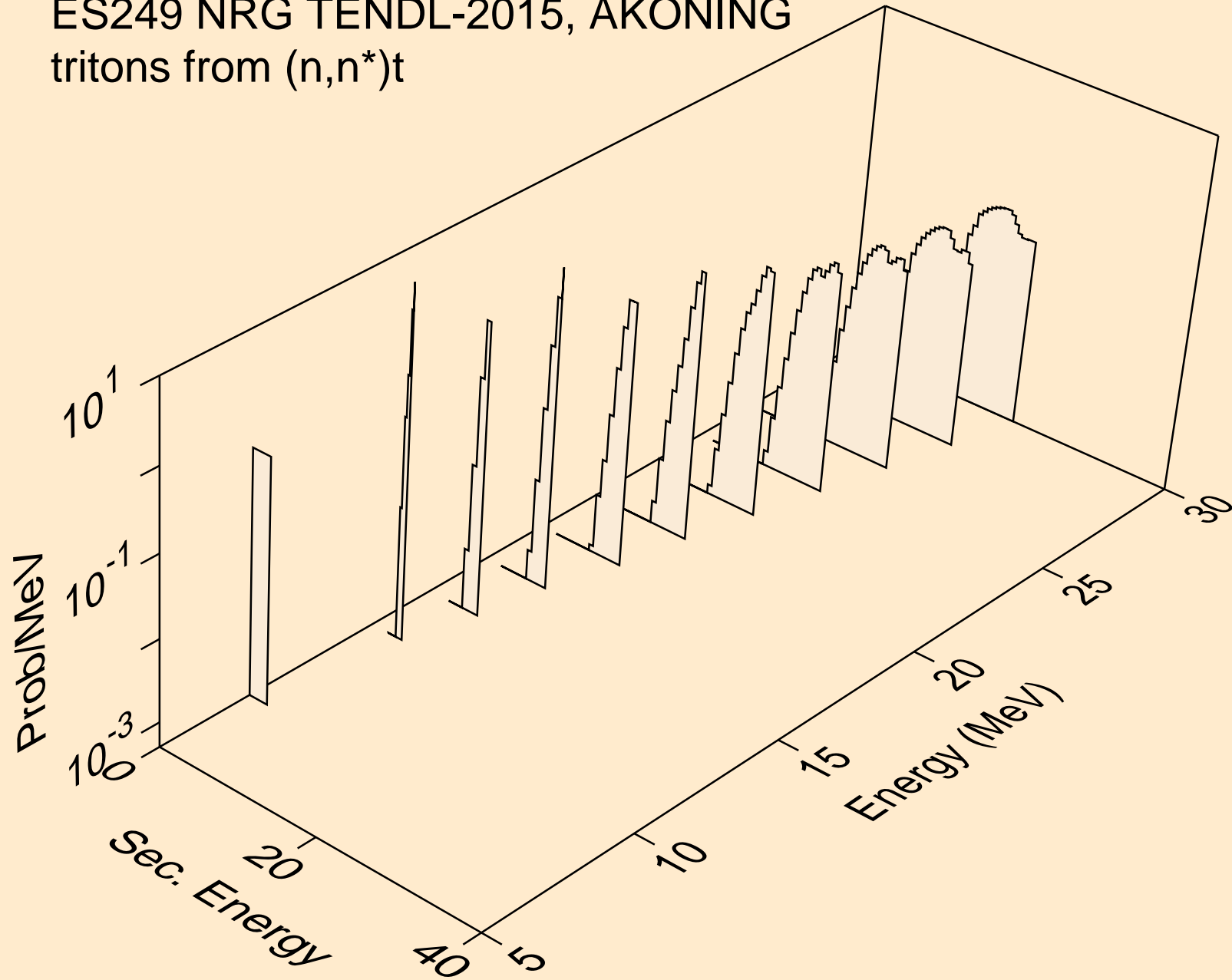
ES249 NRG TENDL-2015, AKONING  
deuterons from (n,da)



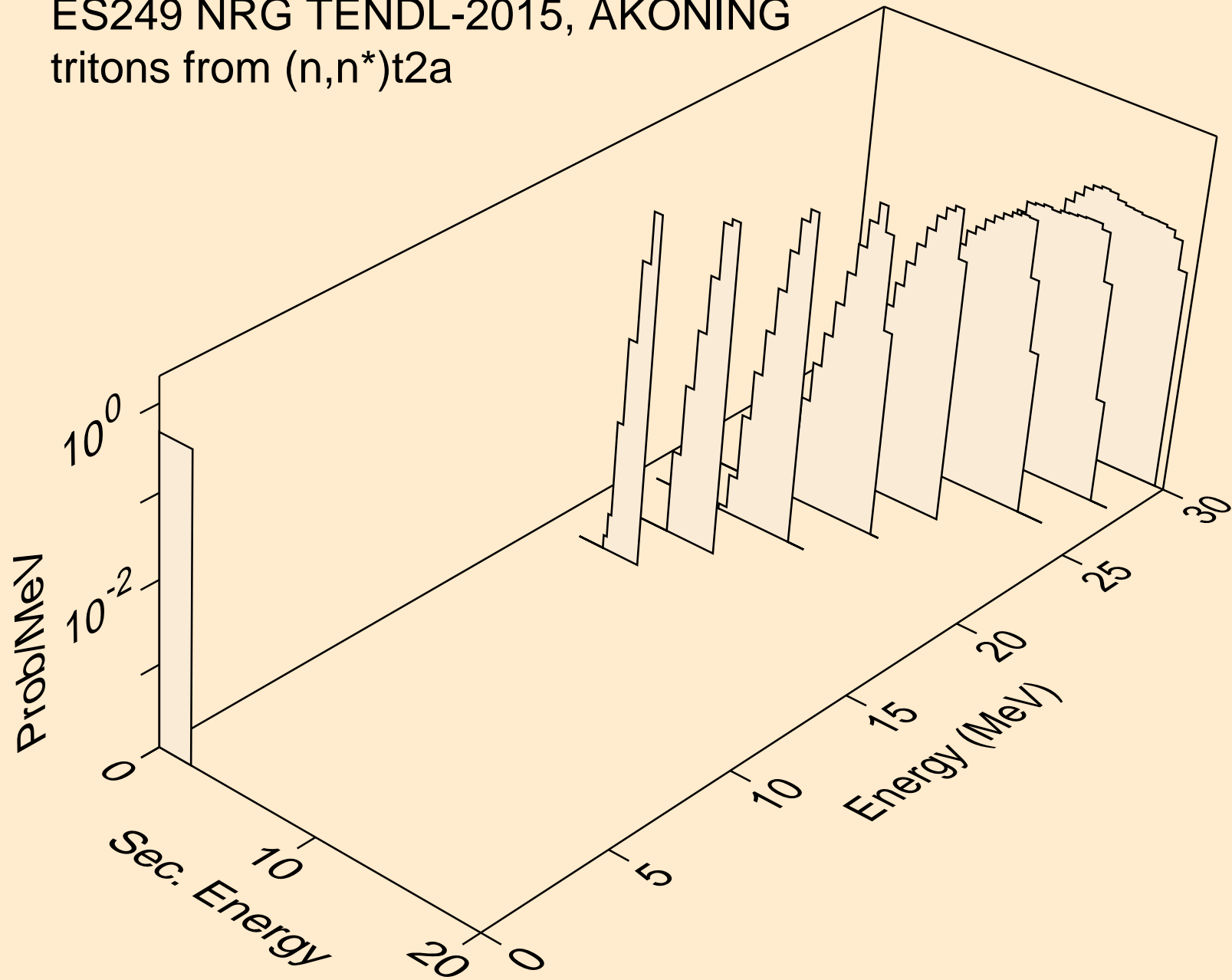
ES249 NRG TENDL-2015, AKONING  
tritons from (n,x)



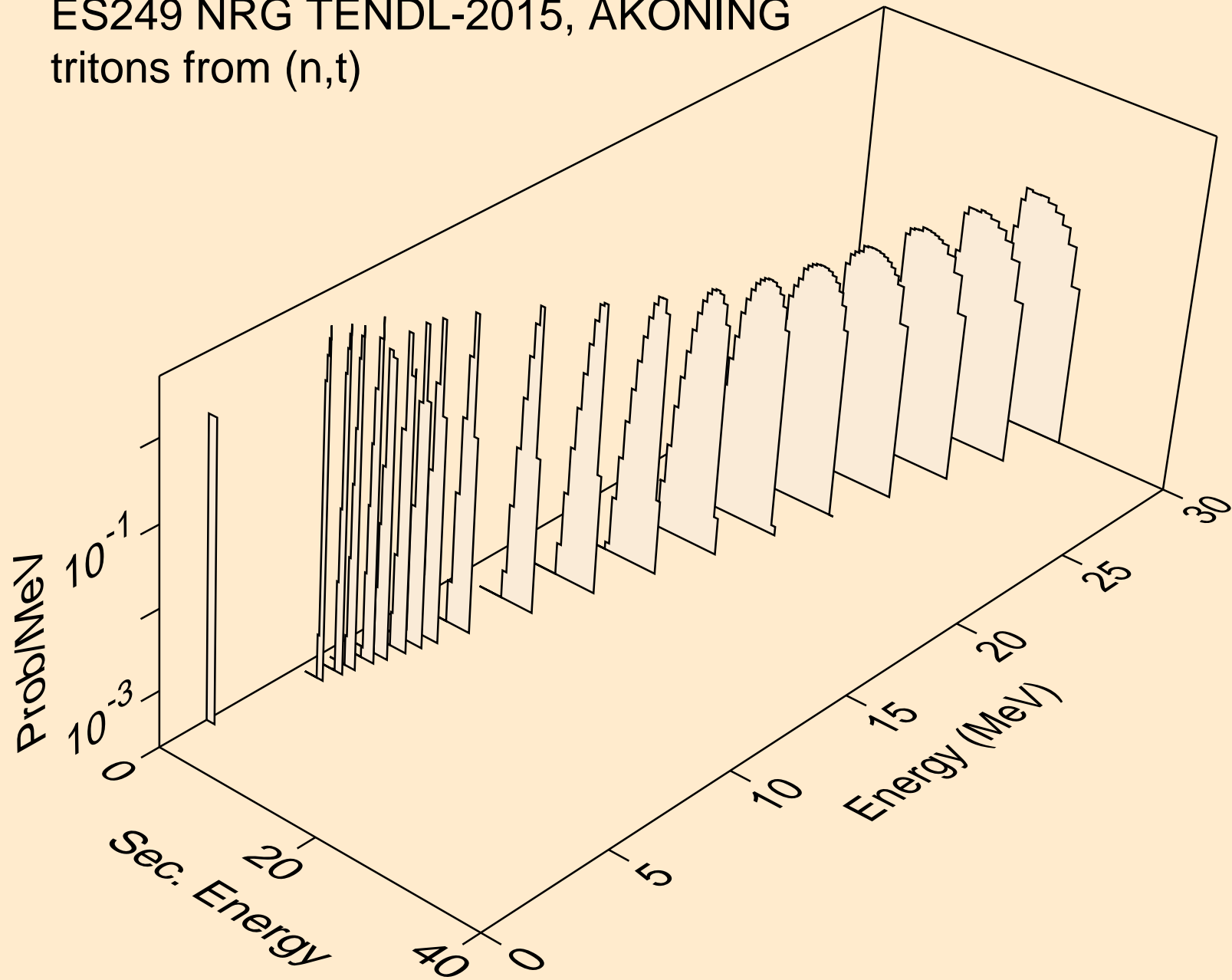
ES249 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



ES249 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t2a

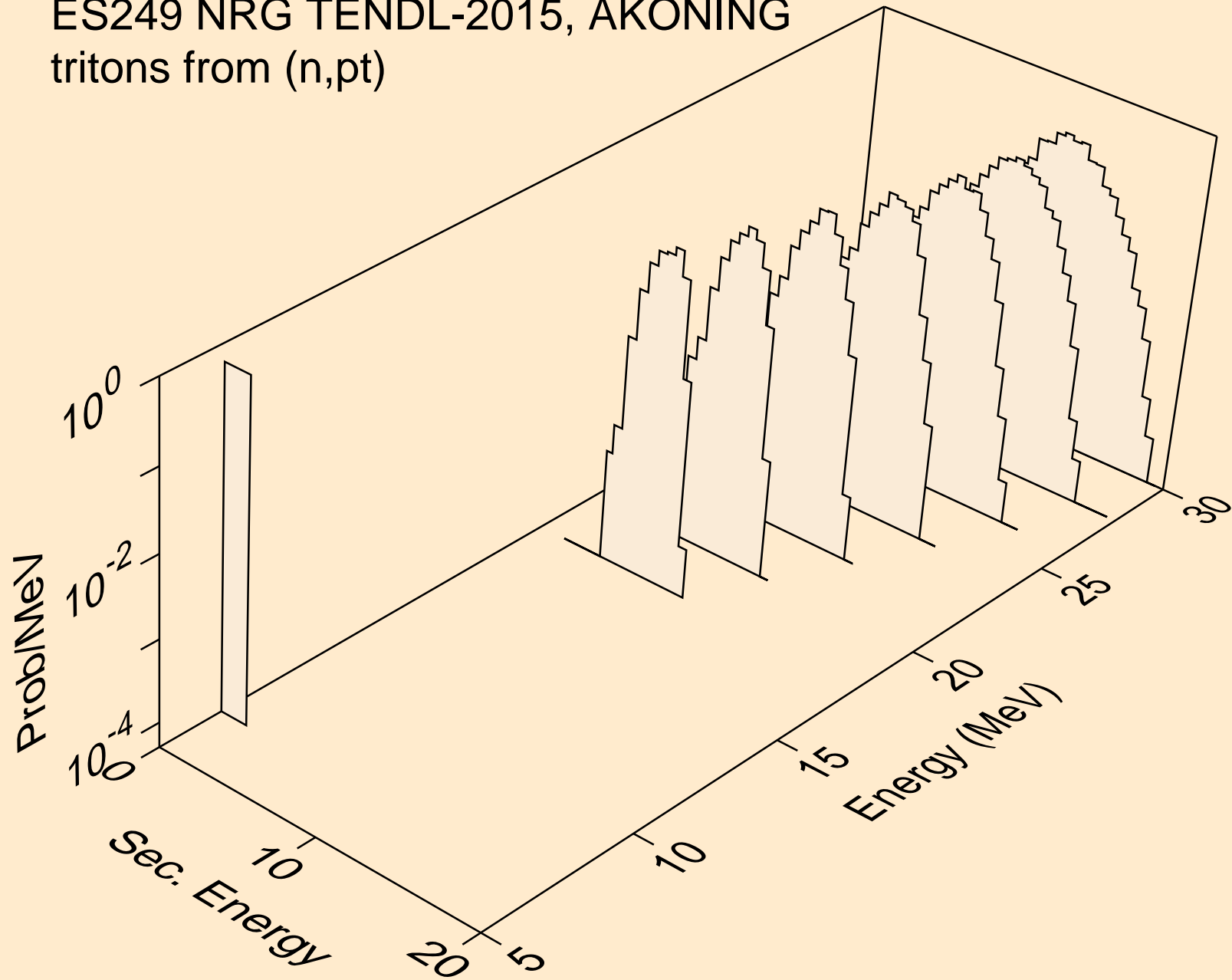


ES249 NRG TENDL-2015, AKONING  
tritons from (n,t)

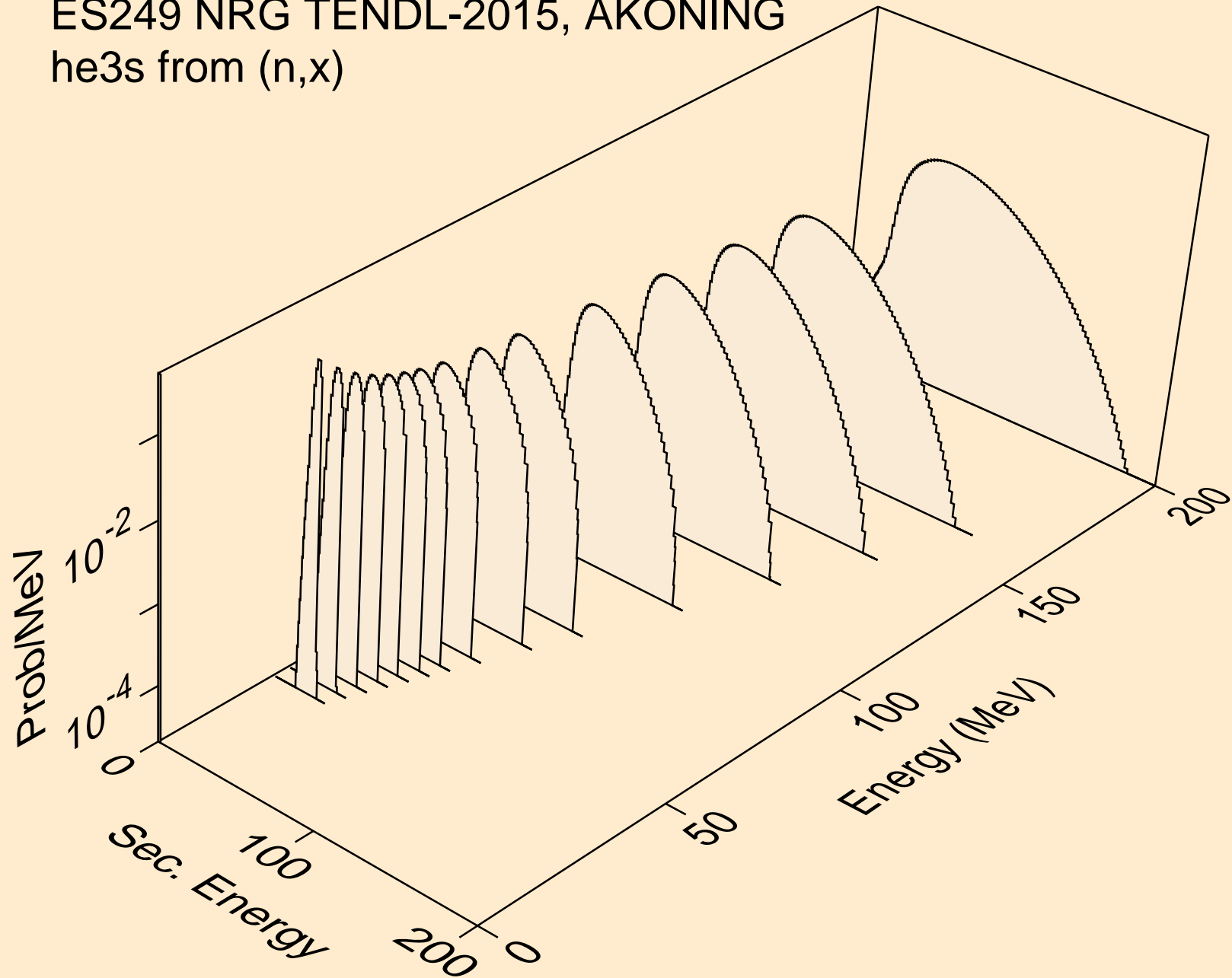




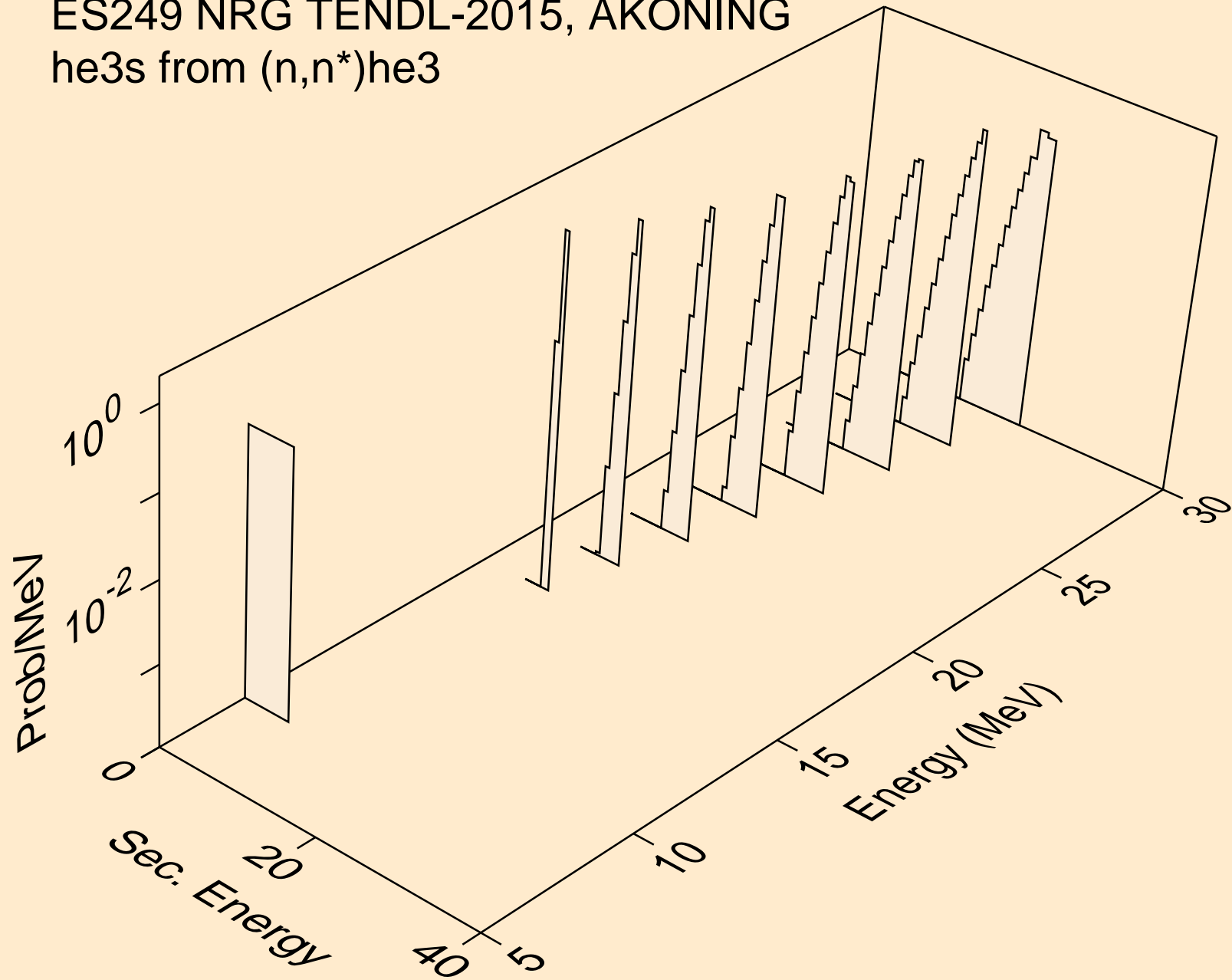
ES249 NRG TENDL-2015, AKONING  
tritons from (n,pt)



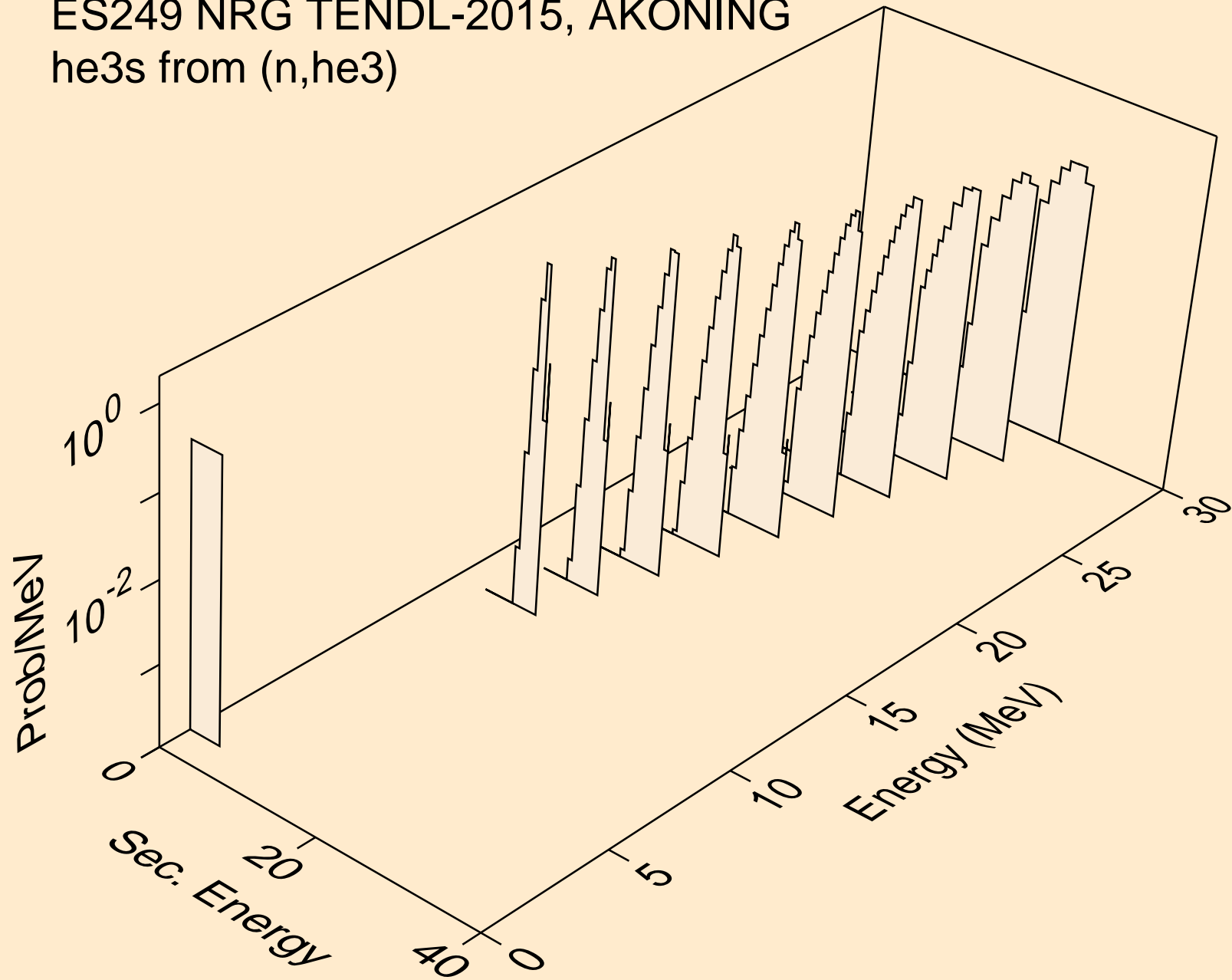
ES249 NRG TENDL-2015, AKONING  
he3s from (n,x)



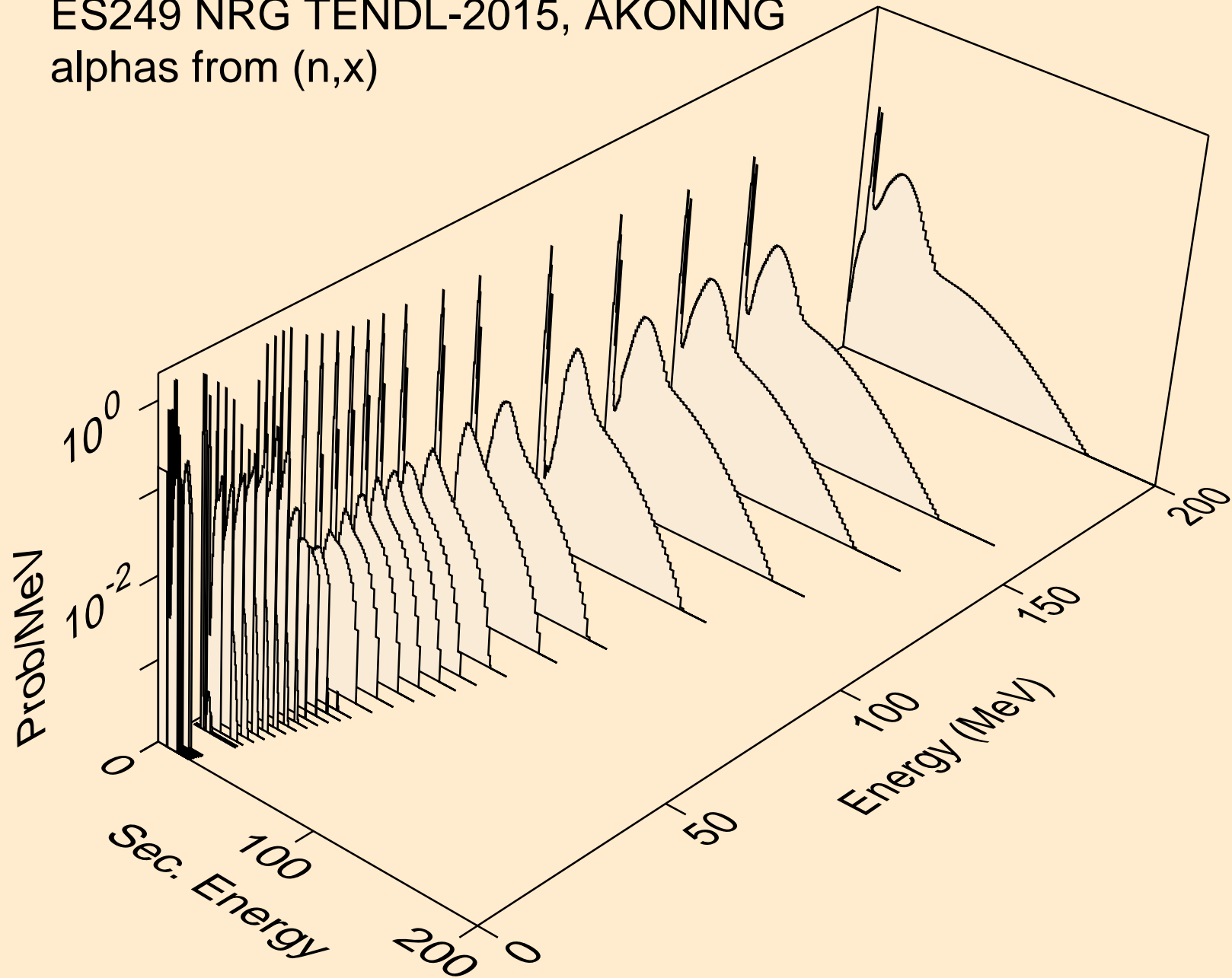
ES249 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



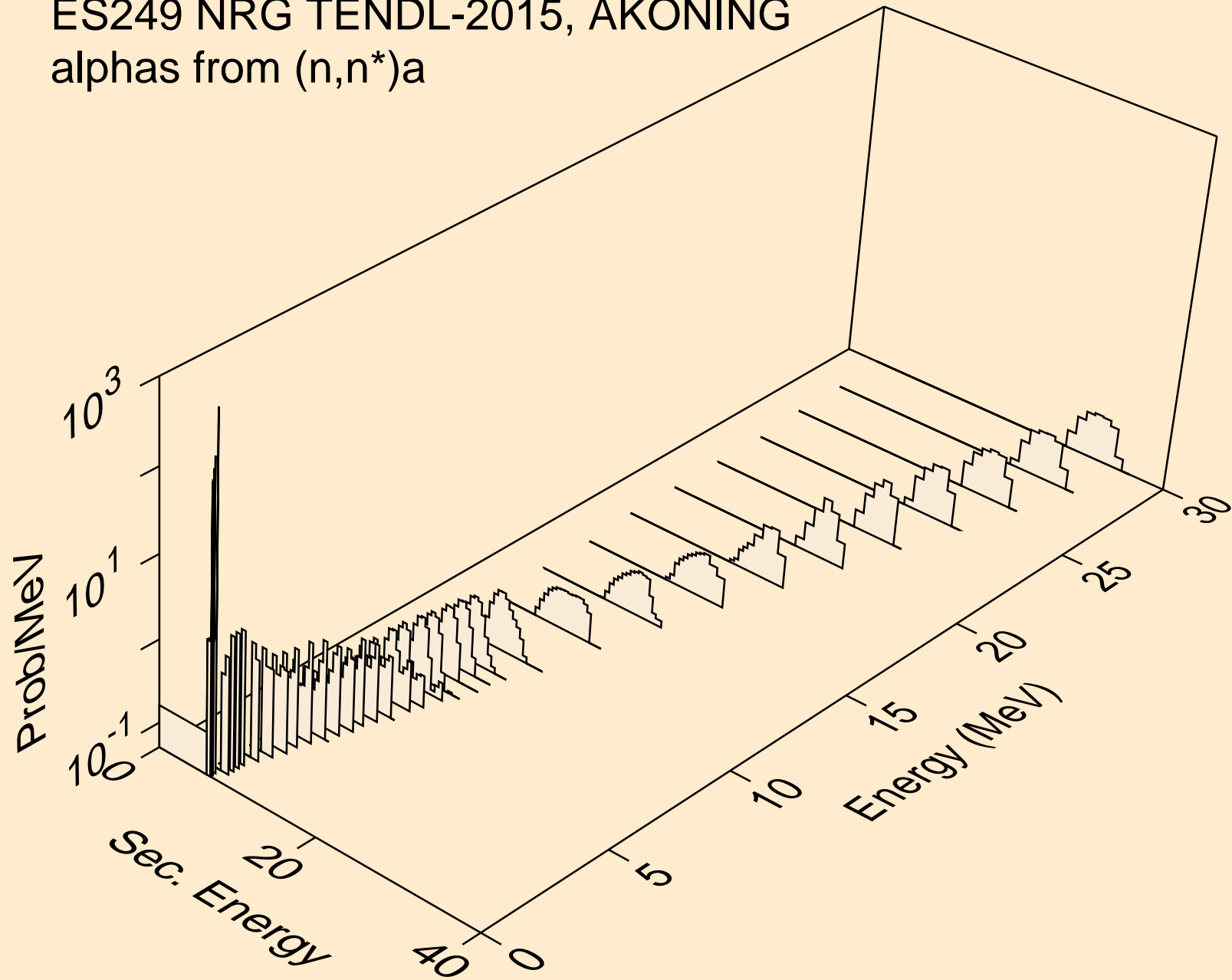
ES249 NRG TENDL-2015, AKONING  
he3s from (n,he3)



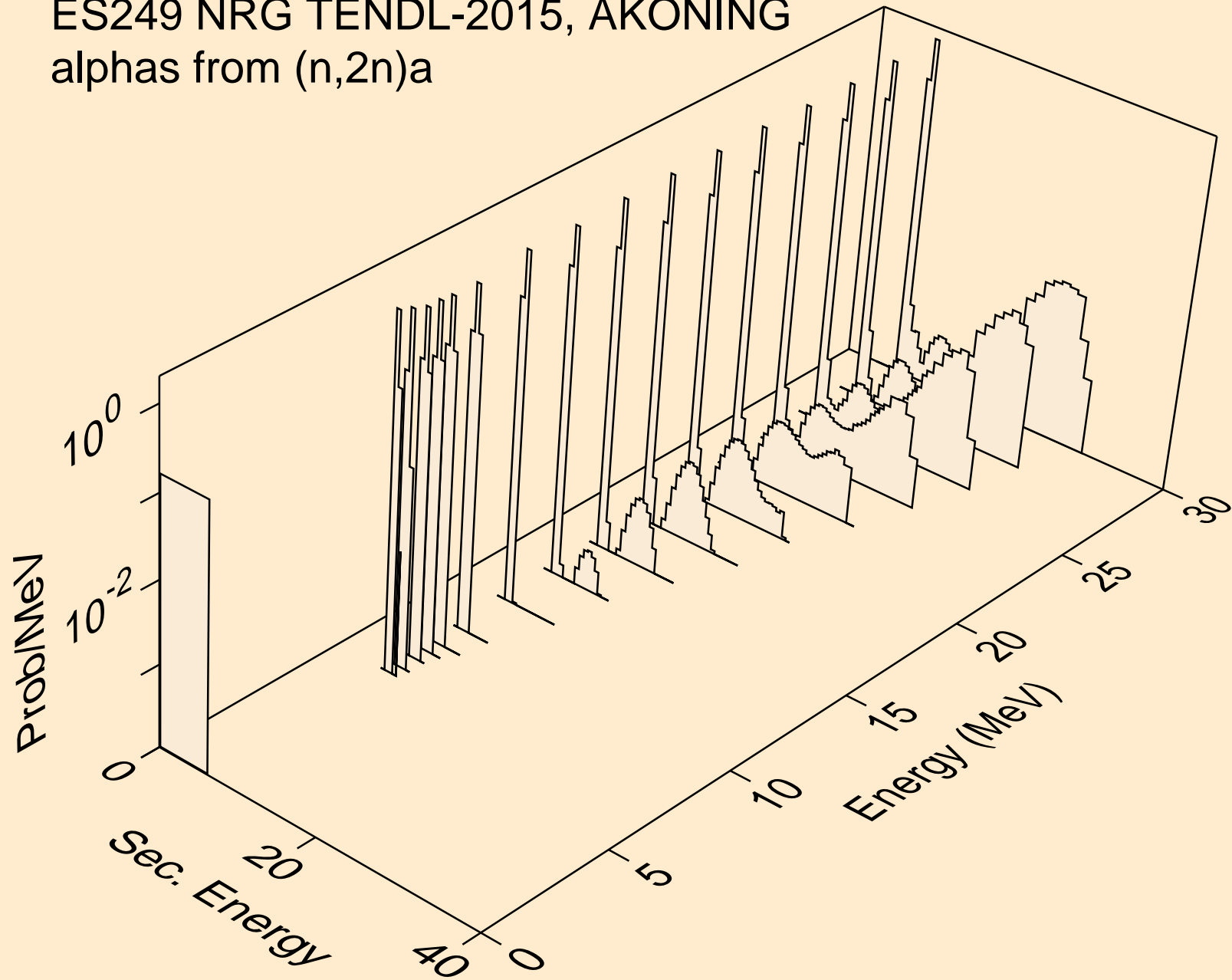
ES249 NRG TENDL-2015, AKONING  
alphas from (n,x)



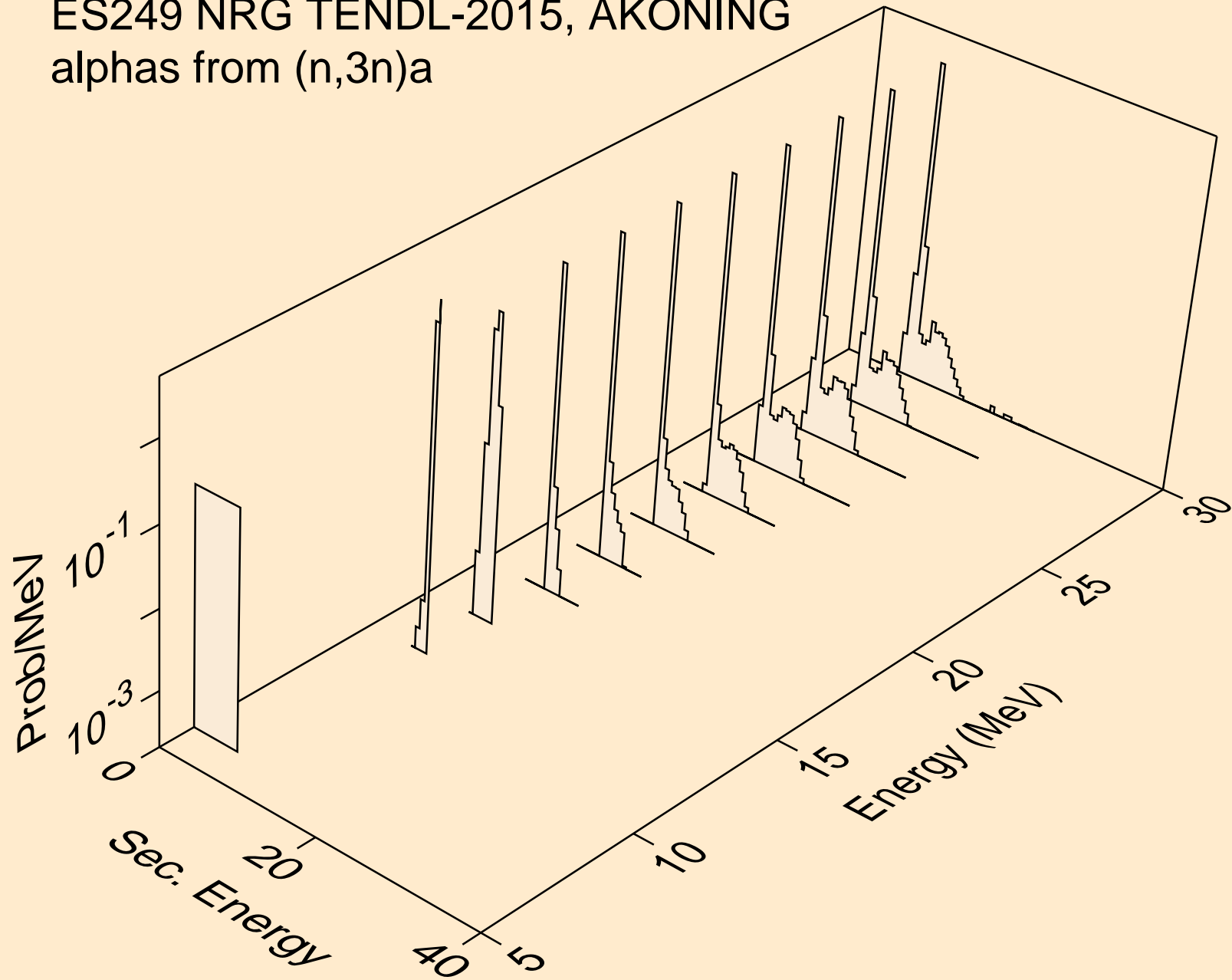
ES249 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



ES249 NRG TENDL-2015, AKONING  
alphas from (n,2n)a

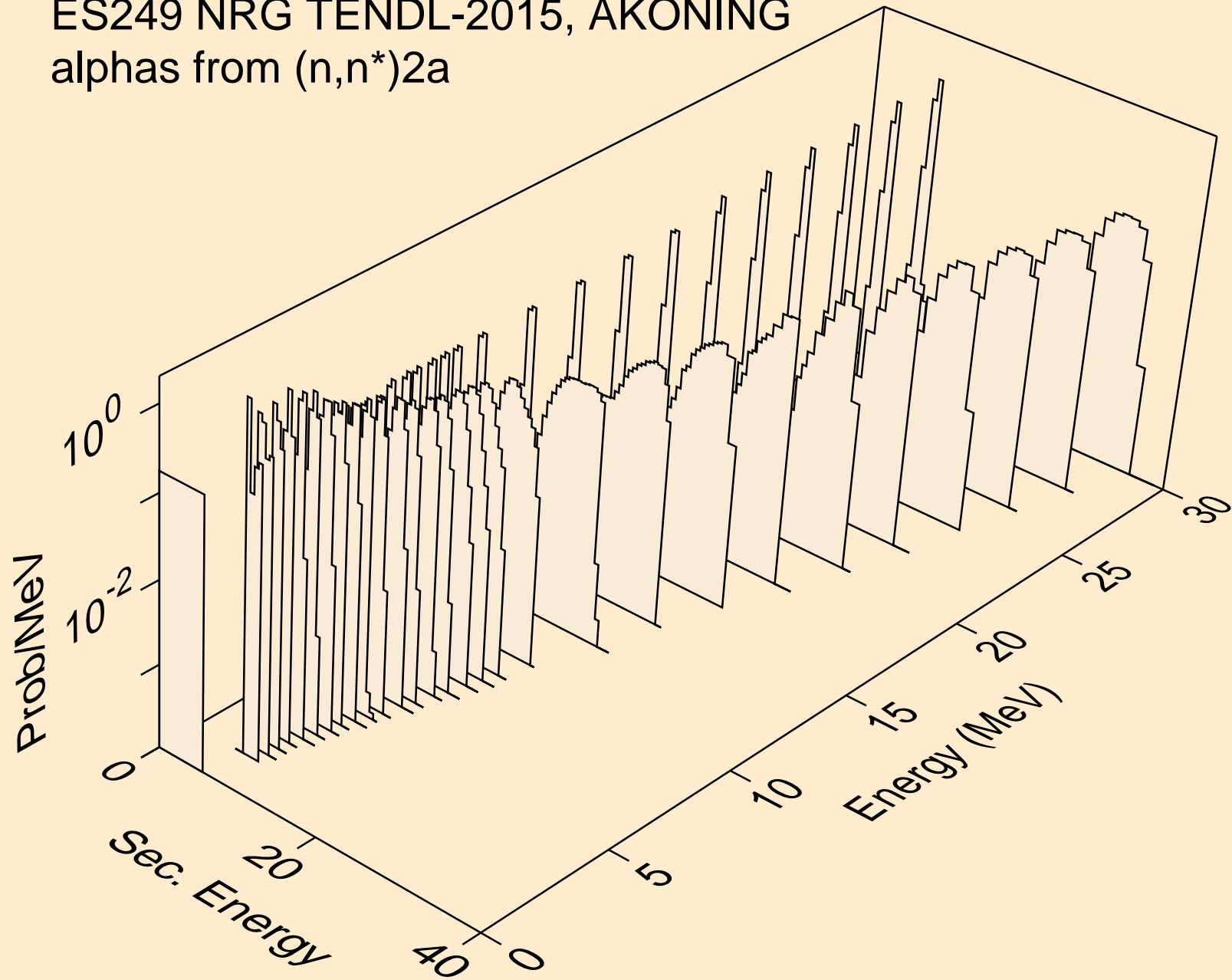


ES249 NRG TENDL-2015, AKONING  
alphas from (n,3n)a

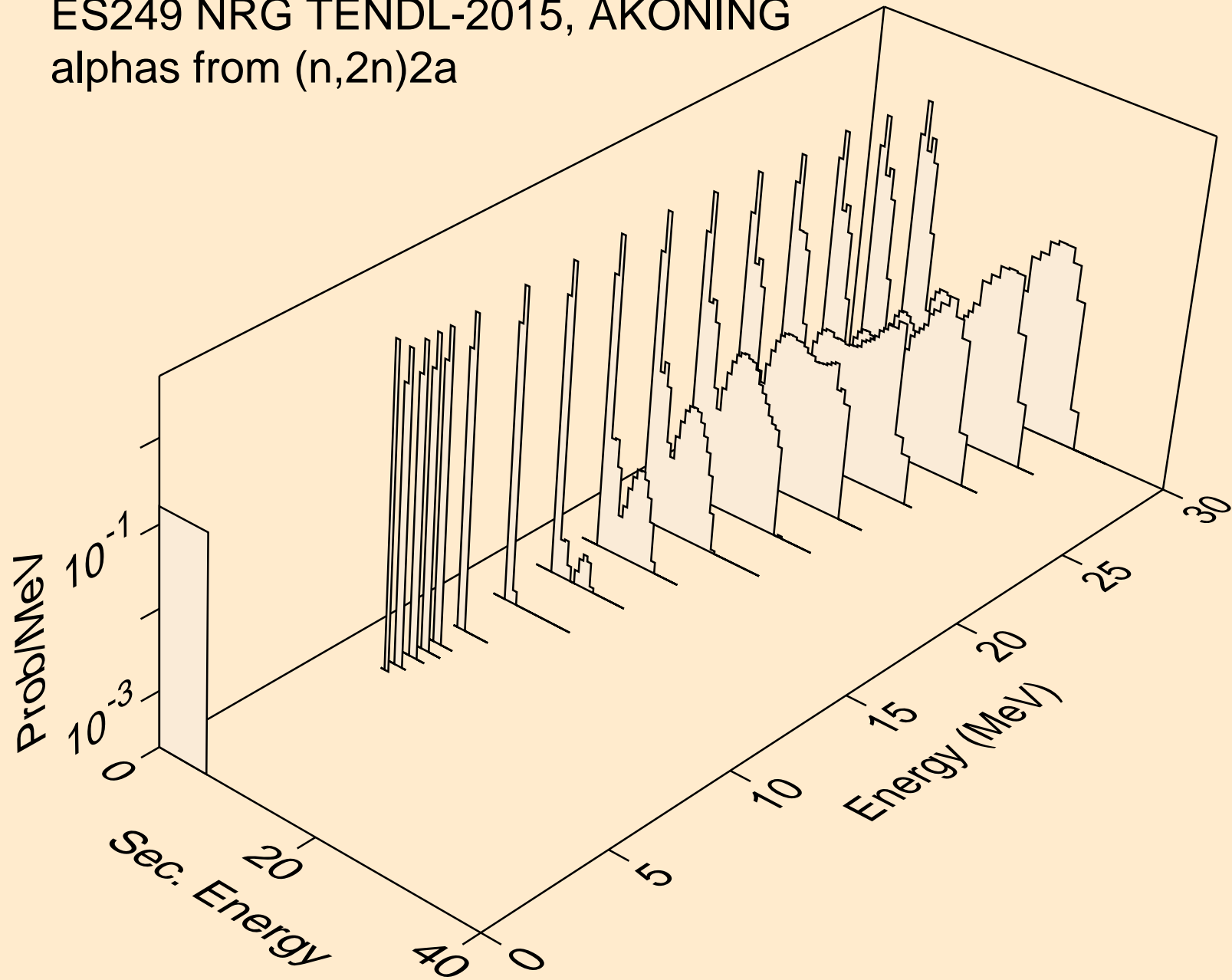




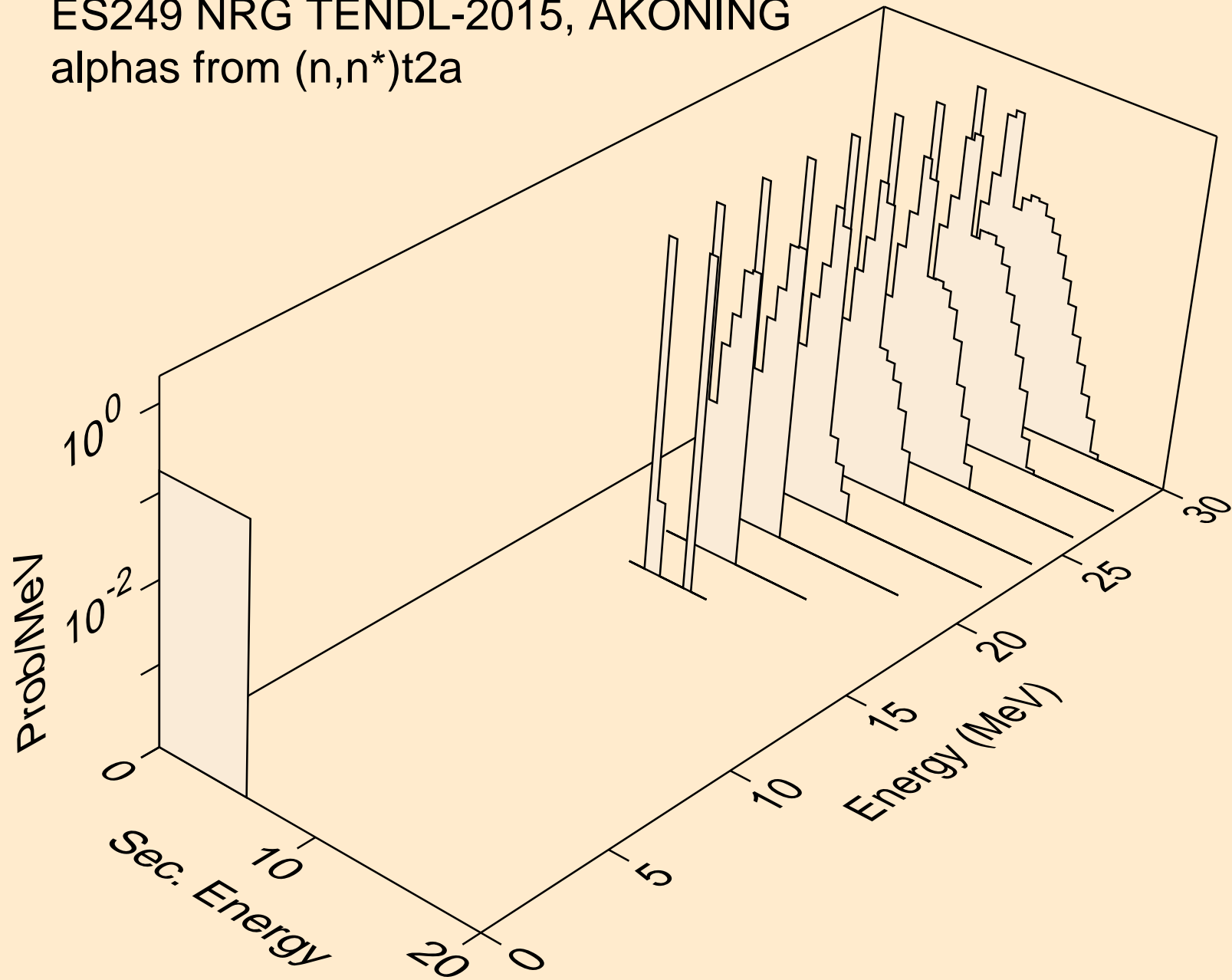
ES249 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



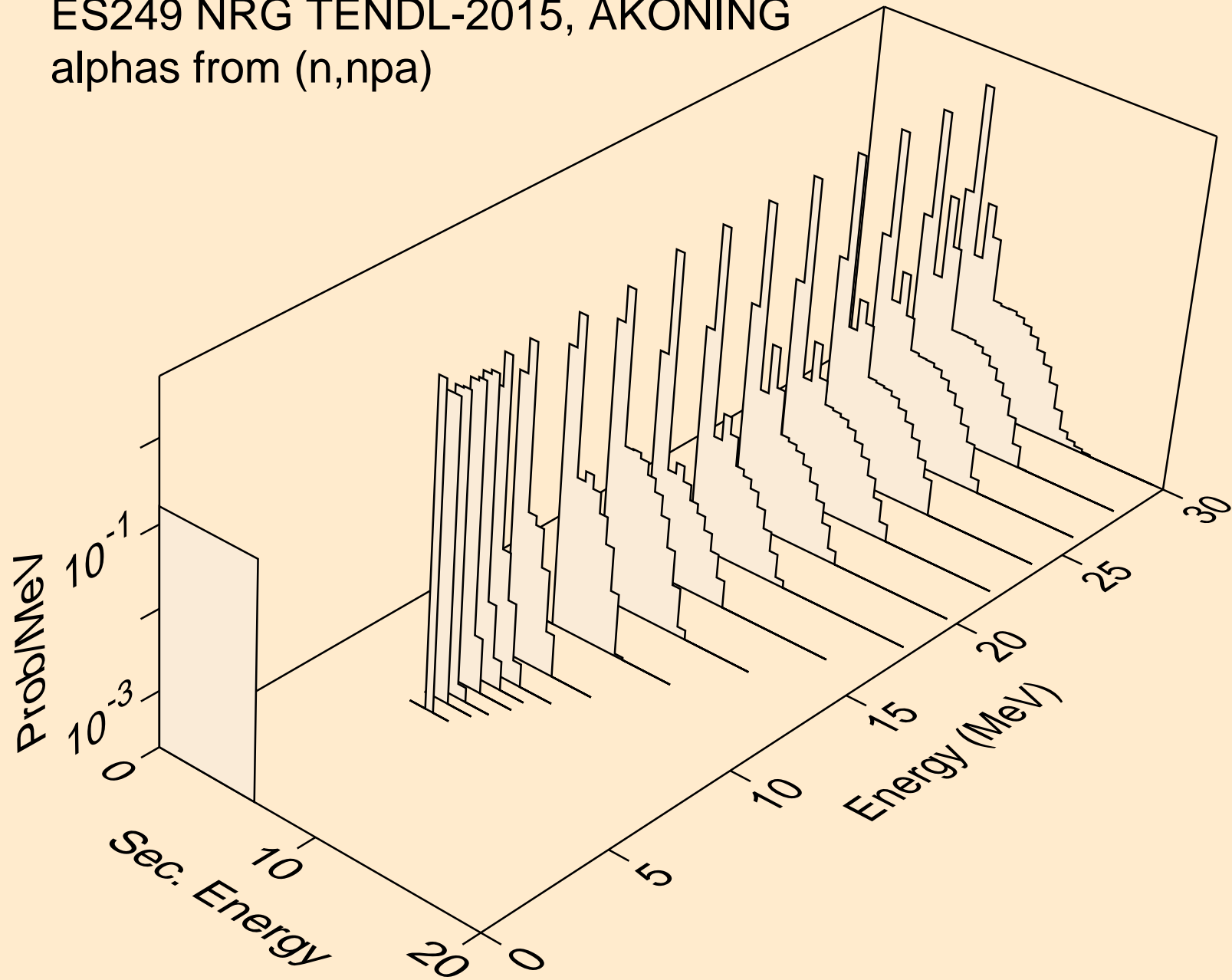
ES249 NRG TENDL-2015, AKONING  
alphas from (n,2n)2a



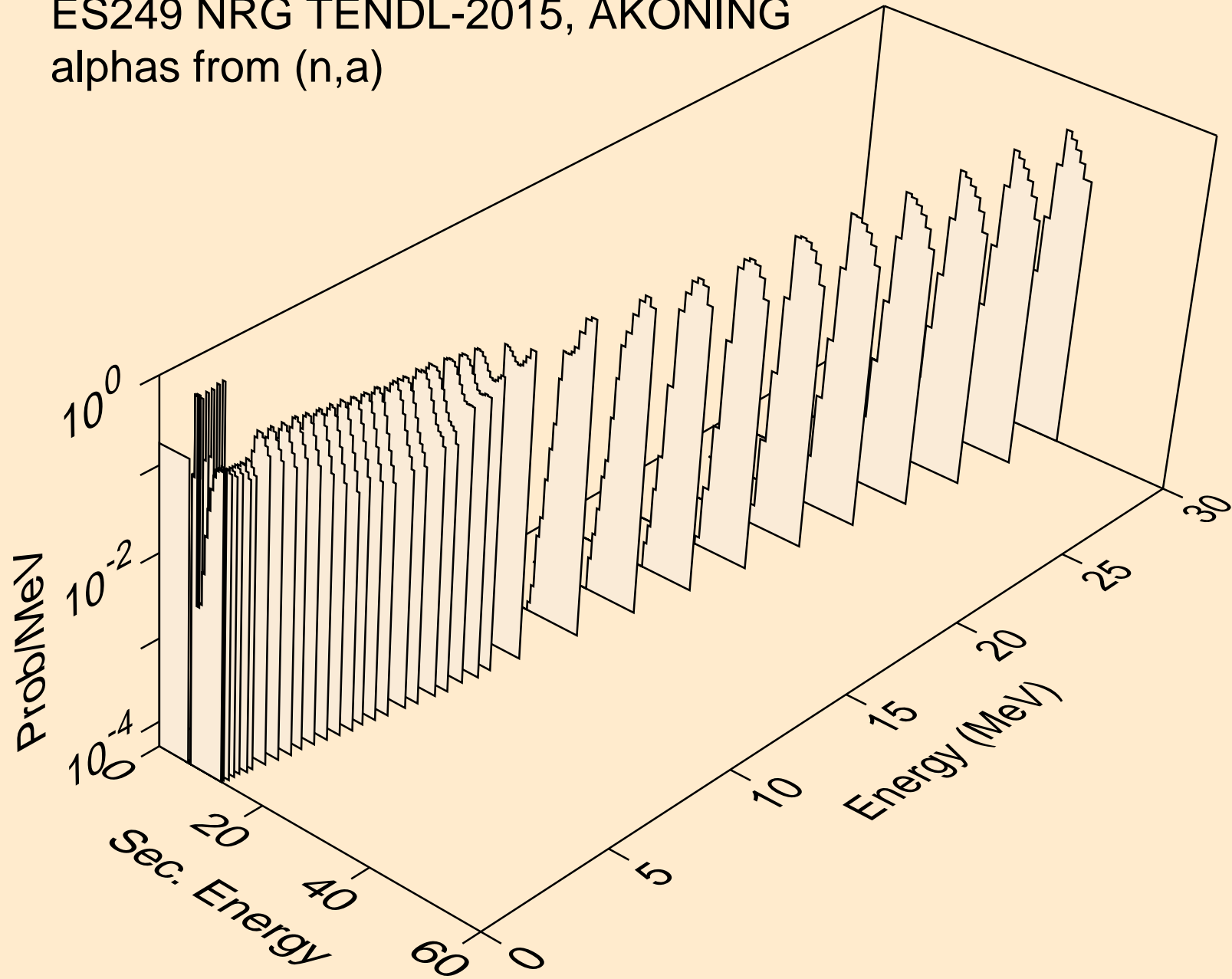
ES249 NRG TENDL-2015, AKONING  
alphas from (n,n\*)t2a



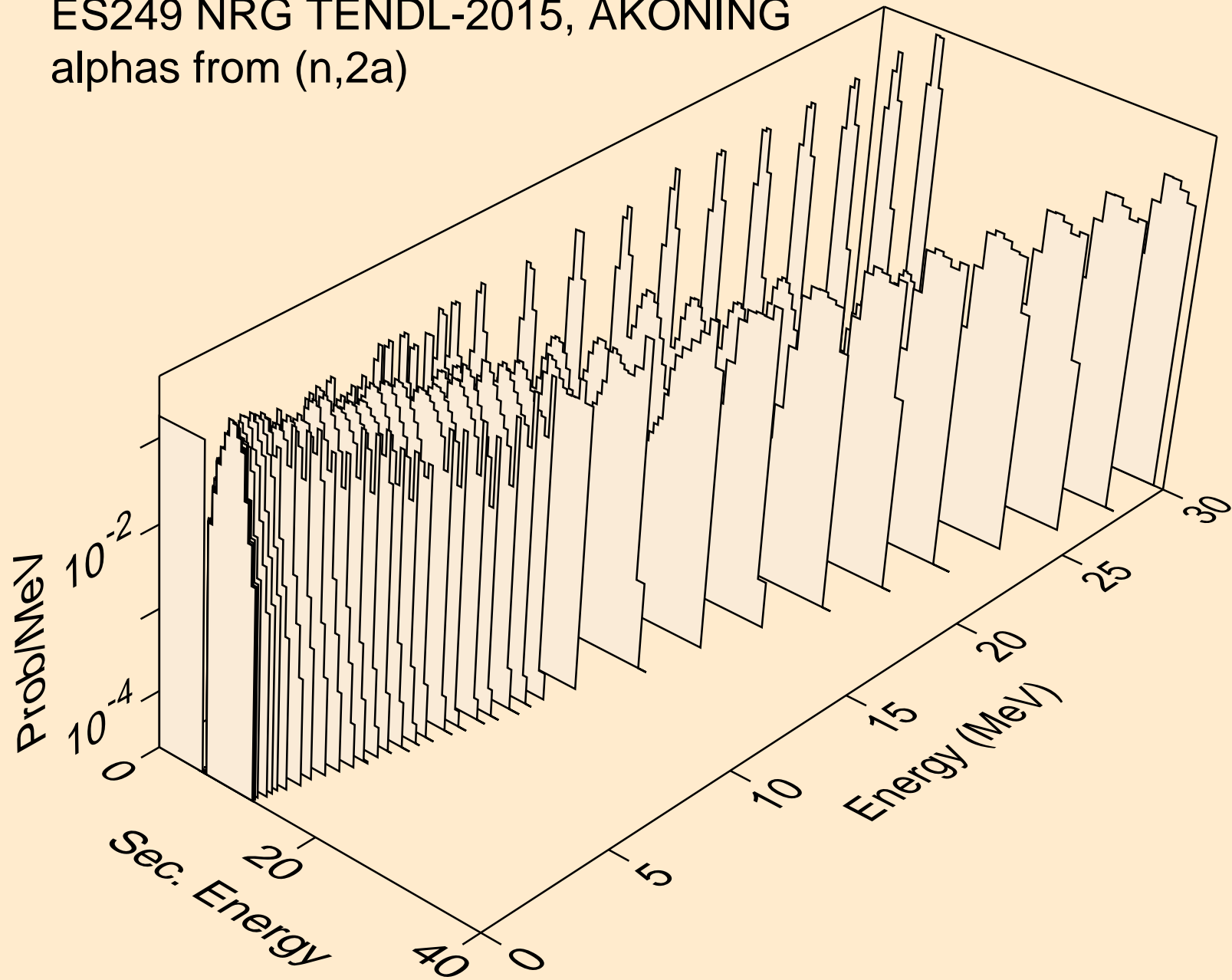
ES249 NRG TENDL-2015, AKONING  
alphas from (n,npa)



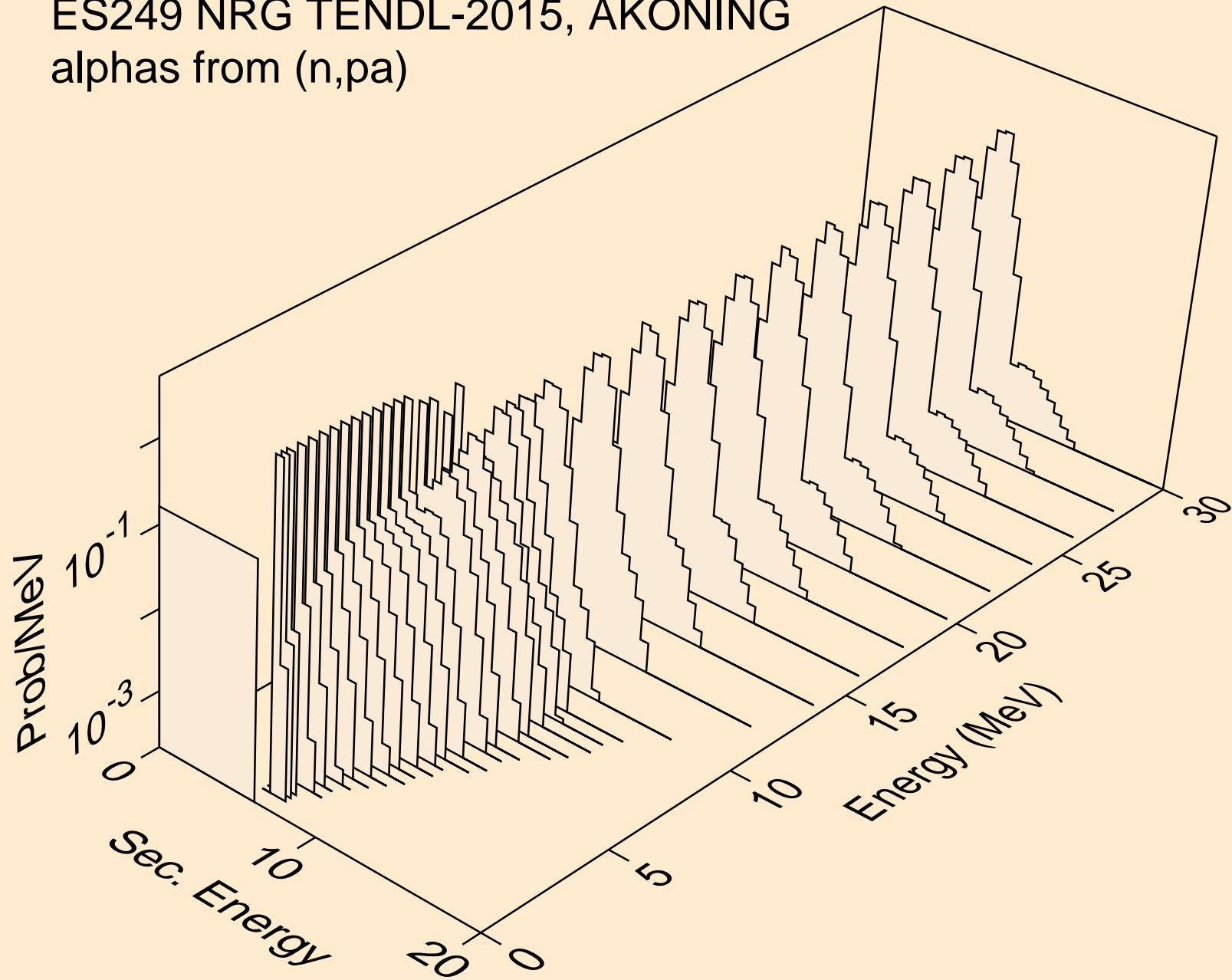
ES249 NRG TENDL-2015, AKONING  
alphas from (n,a)



ES249 NRG TENDL-2015, AKONING  
alphas from (n,2a)



ES249 NRG TENDL-2015, AKONING  
alphas from (n,pa)



ES249 NRG TENDL-2015, AKONING  
alphas from (n,da)

