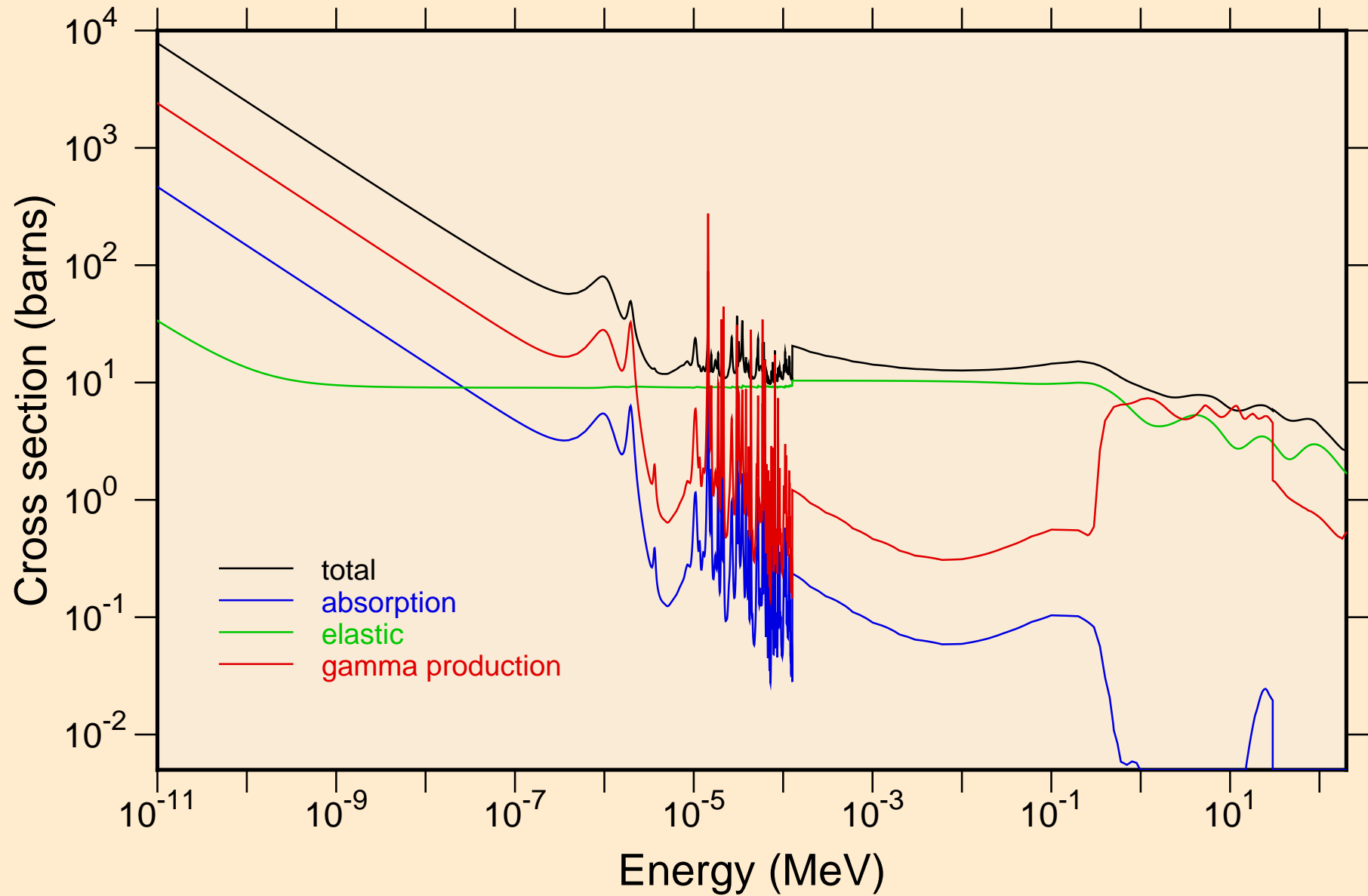
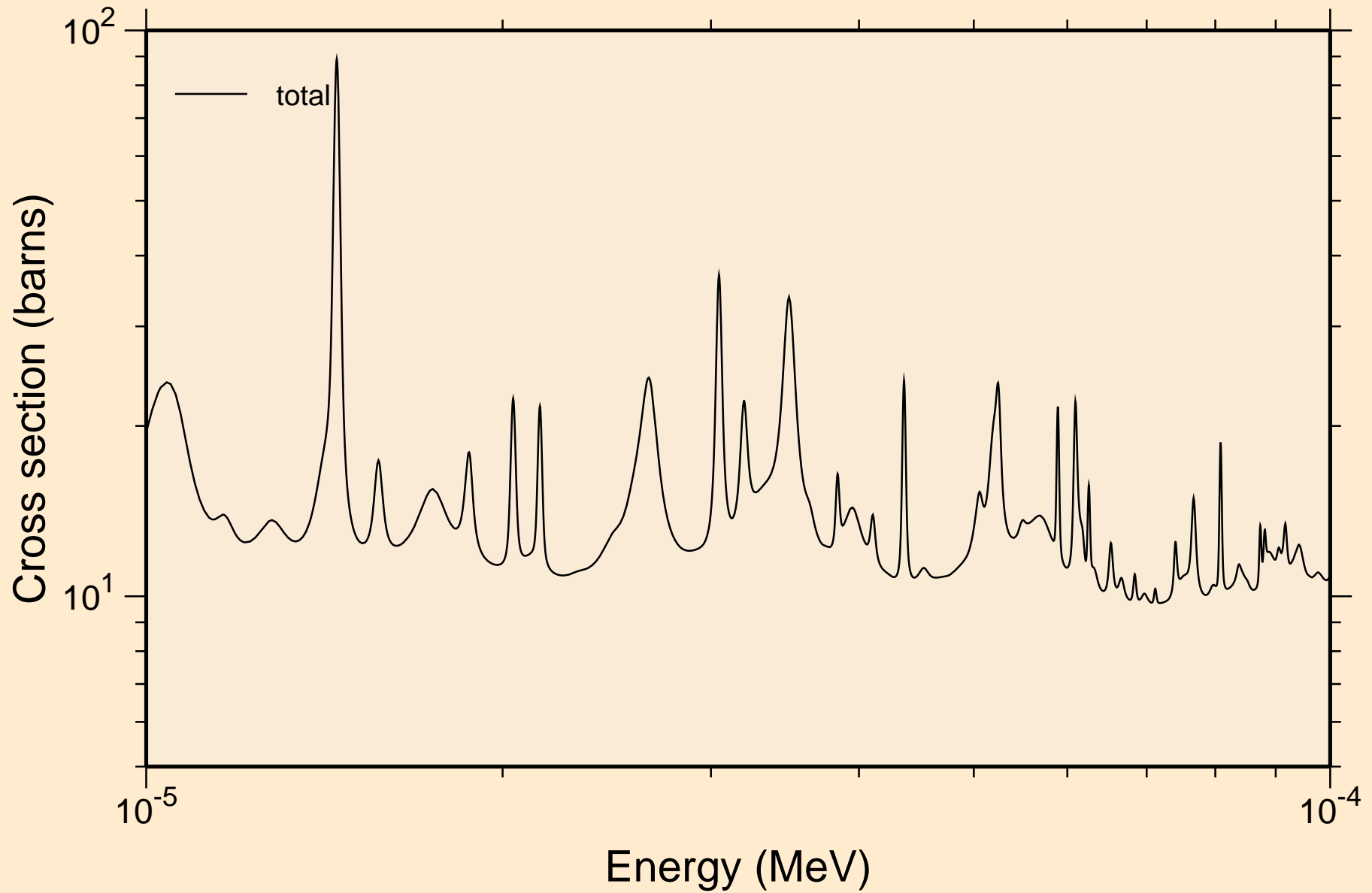


# ES256 NRG TENDL-2015, AKONING

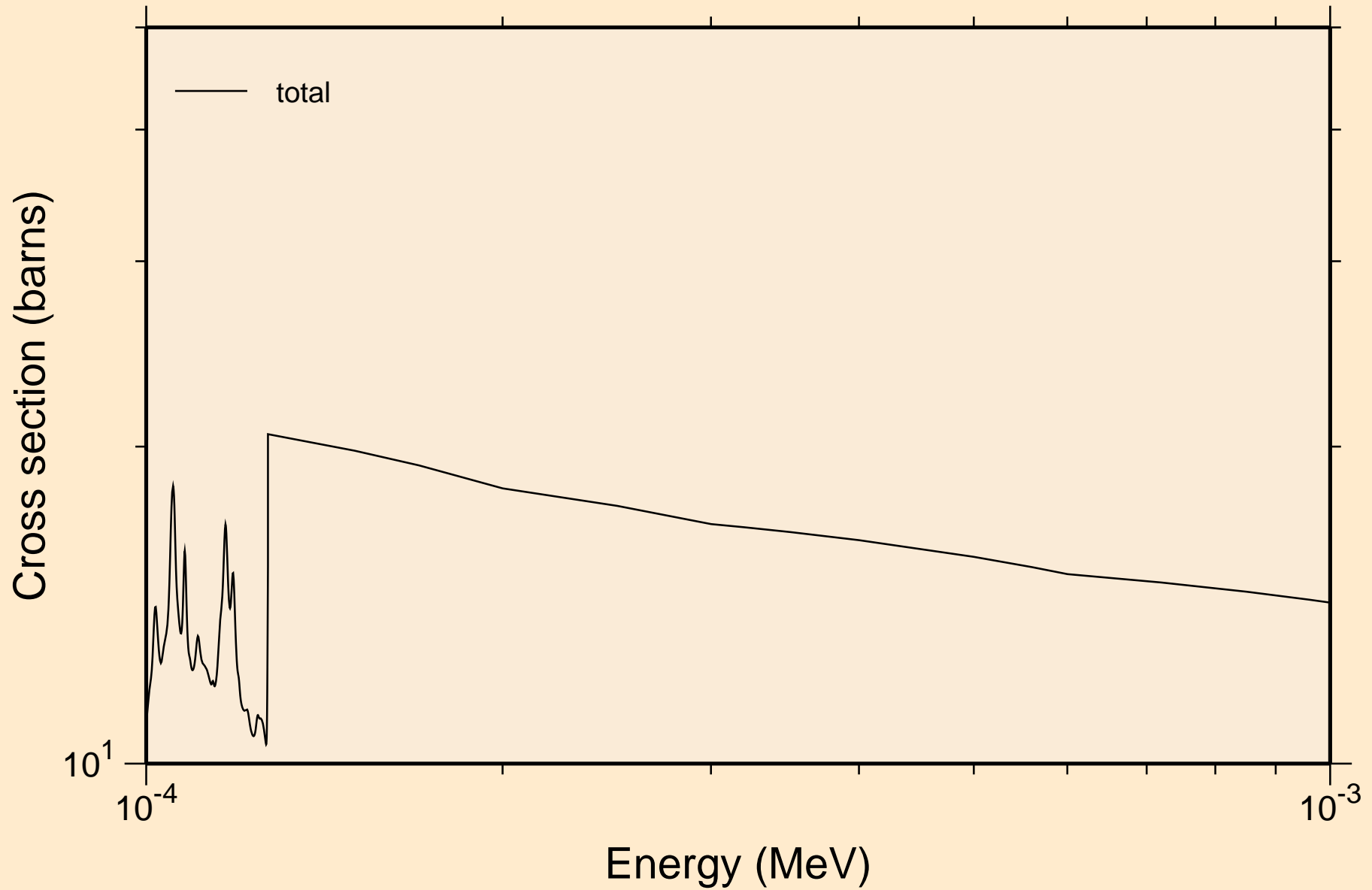
## Principal cross sections



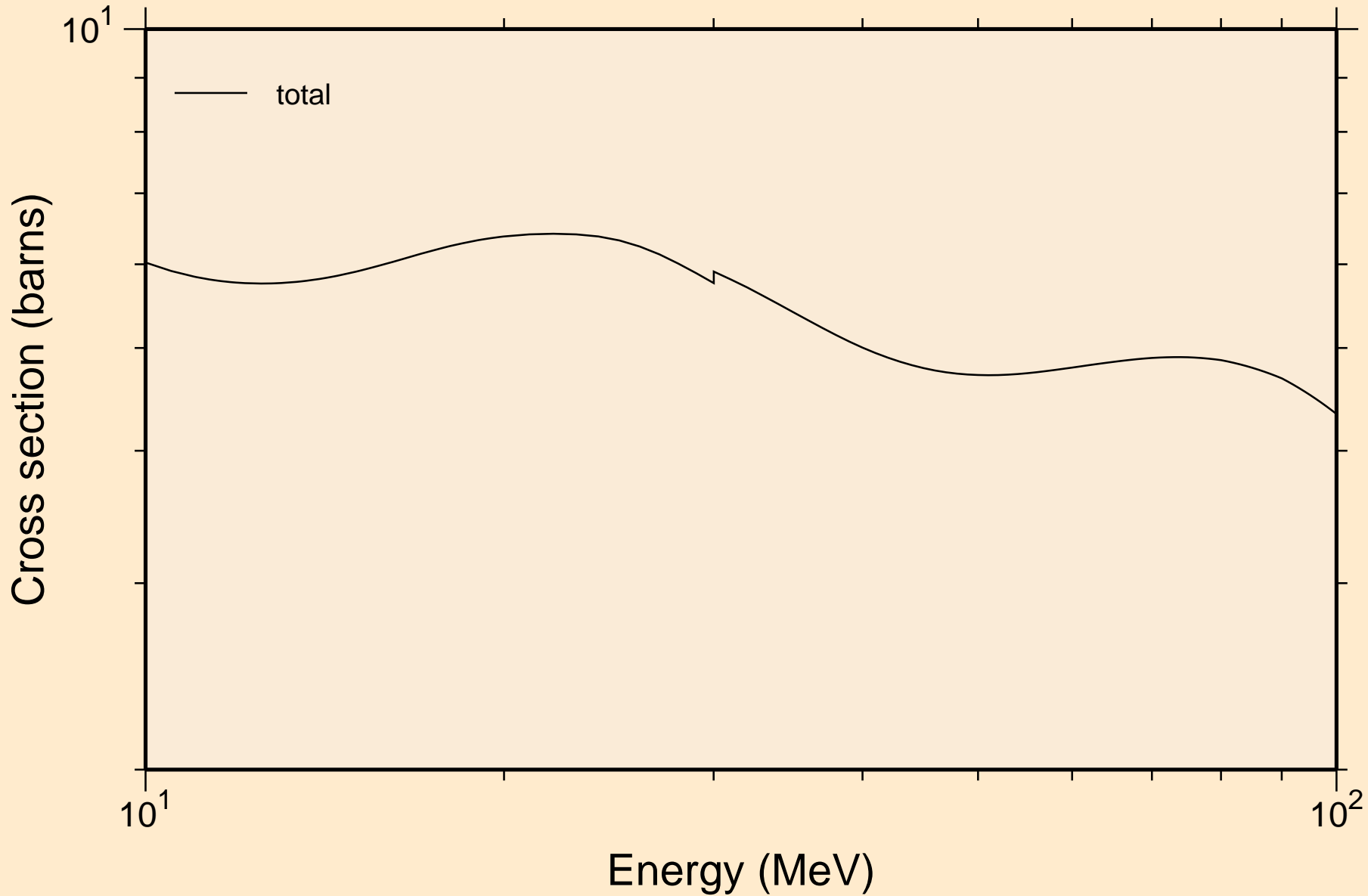
ES256 NRG TENDL-2015, AKONING  
resonance total cross section



ES256 NRG TENDL-2015, AKONING  
resonance total cross section

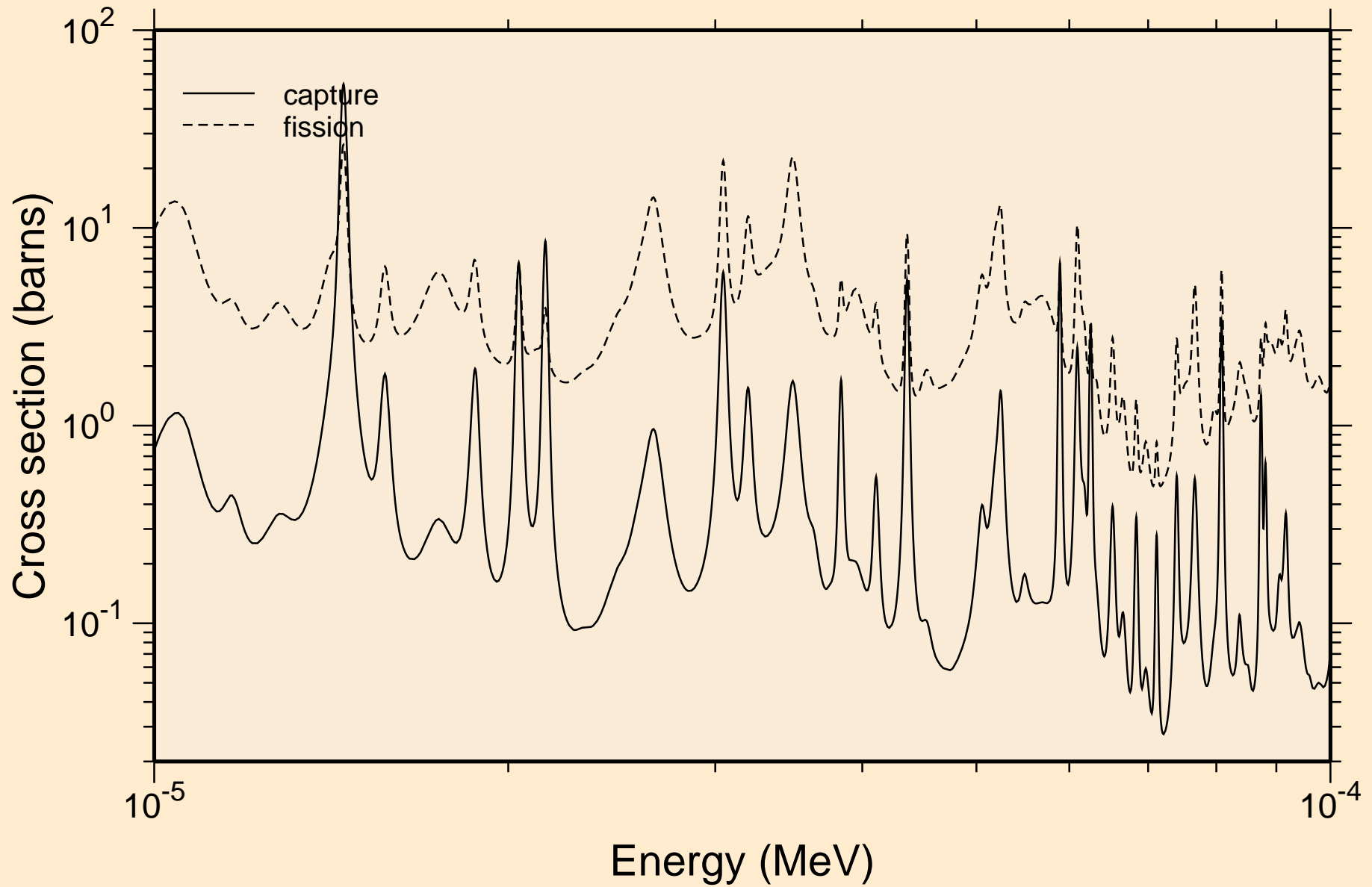


ES256 NRG TENDL-2015, AKONING  
resonance total cross section



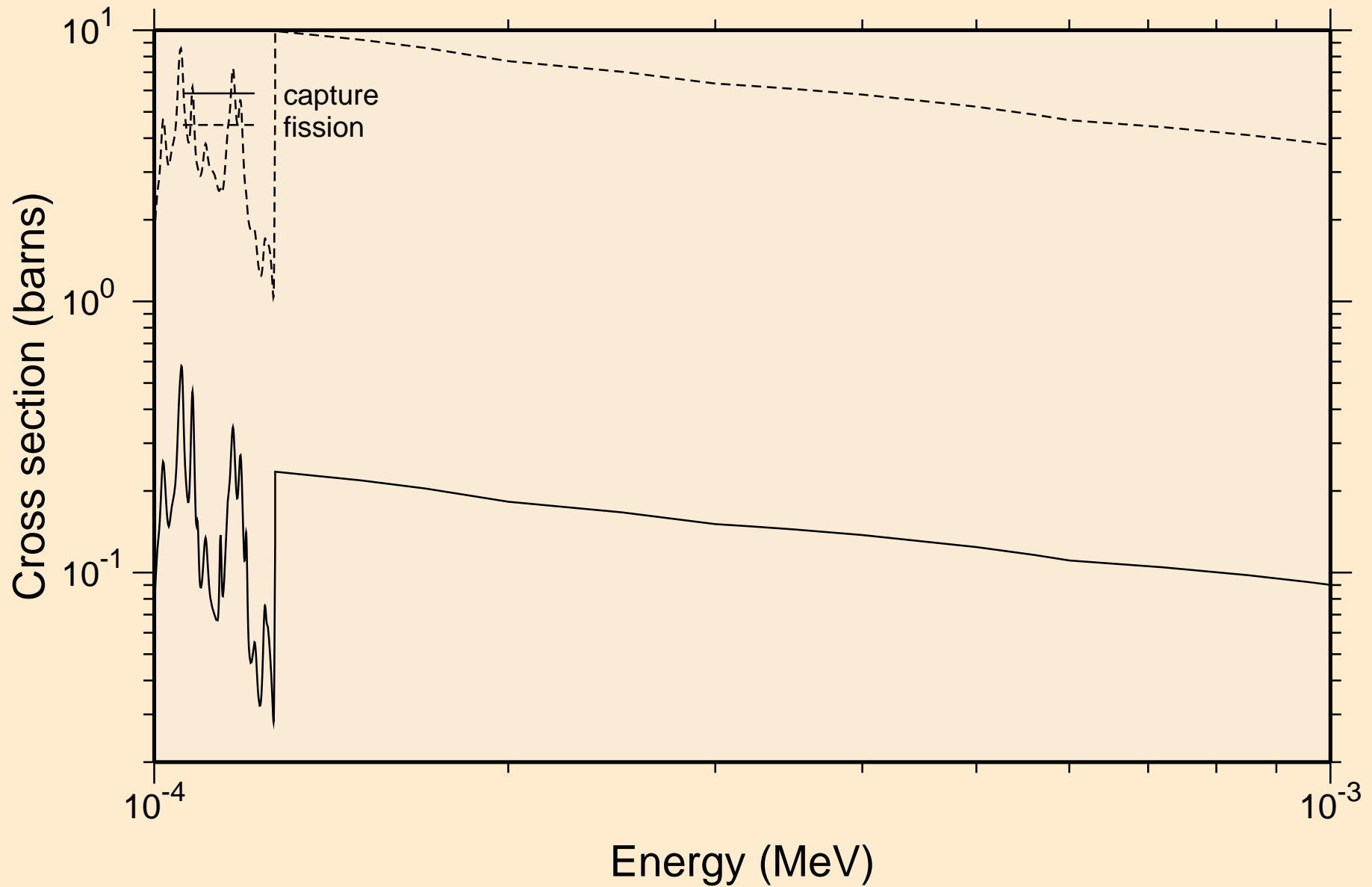
# ES256 NRG TENDL-2015, AKONING

## resonance absorption cross sections



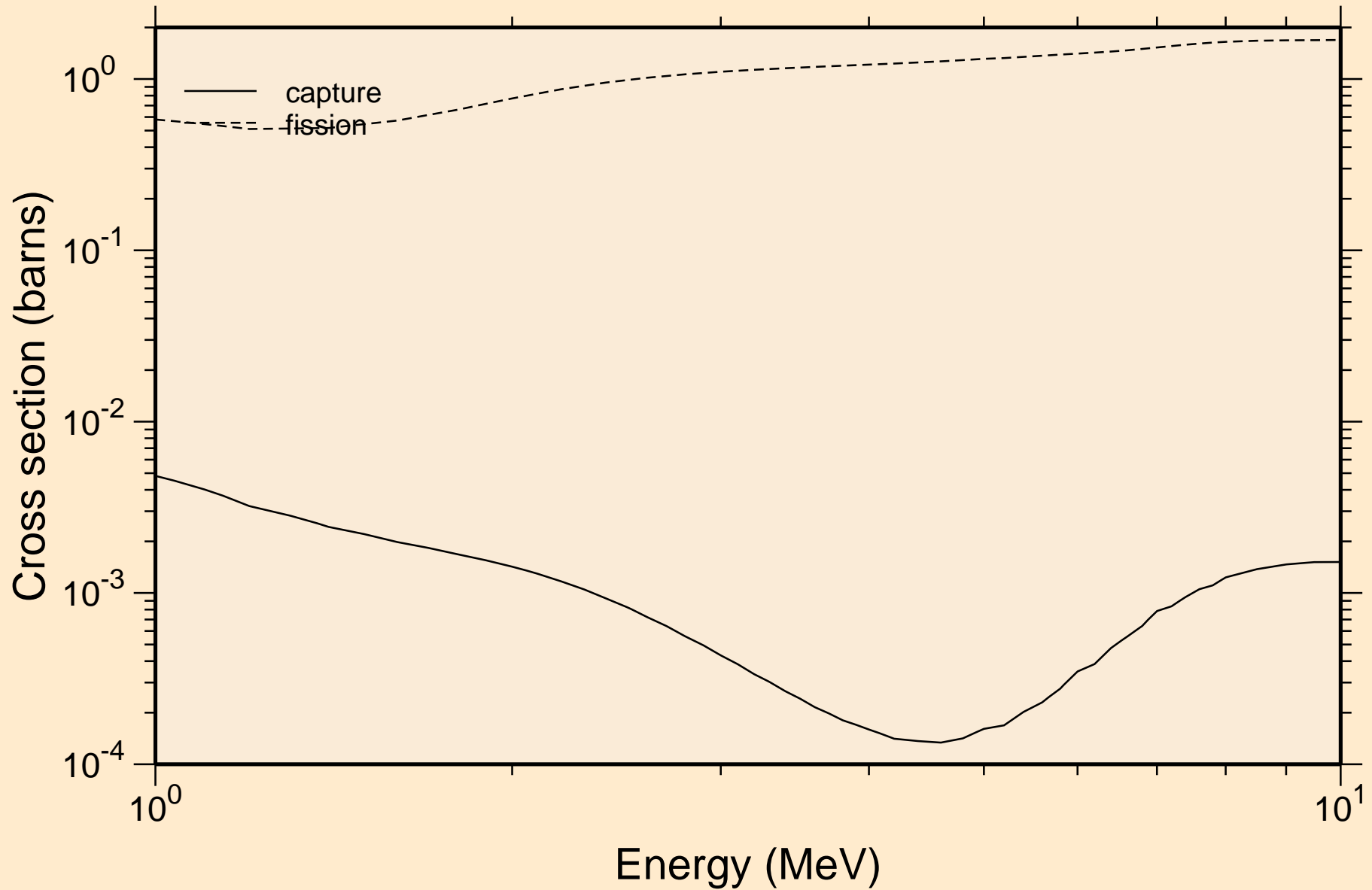
# ES256 NRG TENDL-2015, AKONING

## resonance absorption cross sections



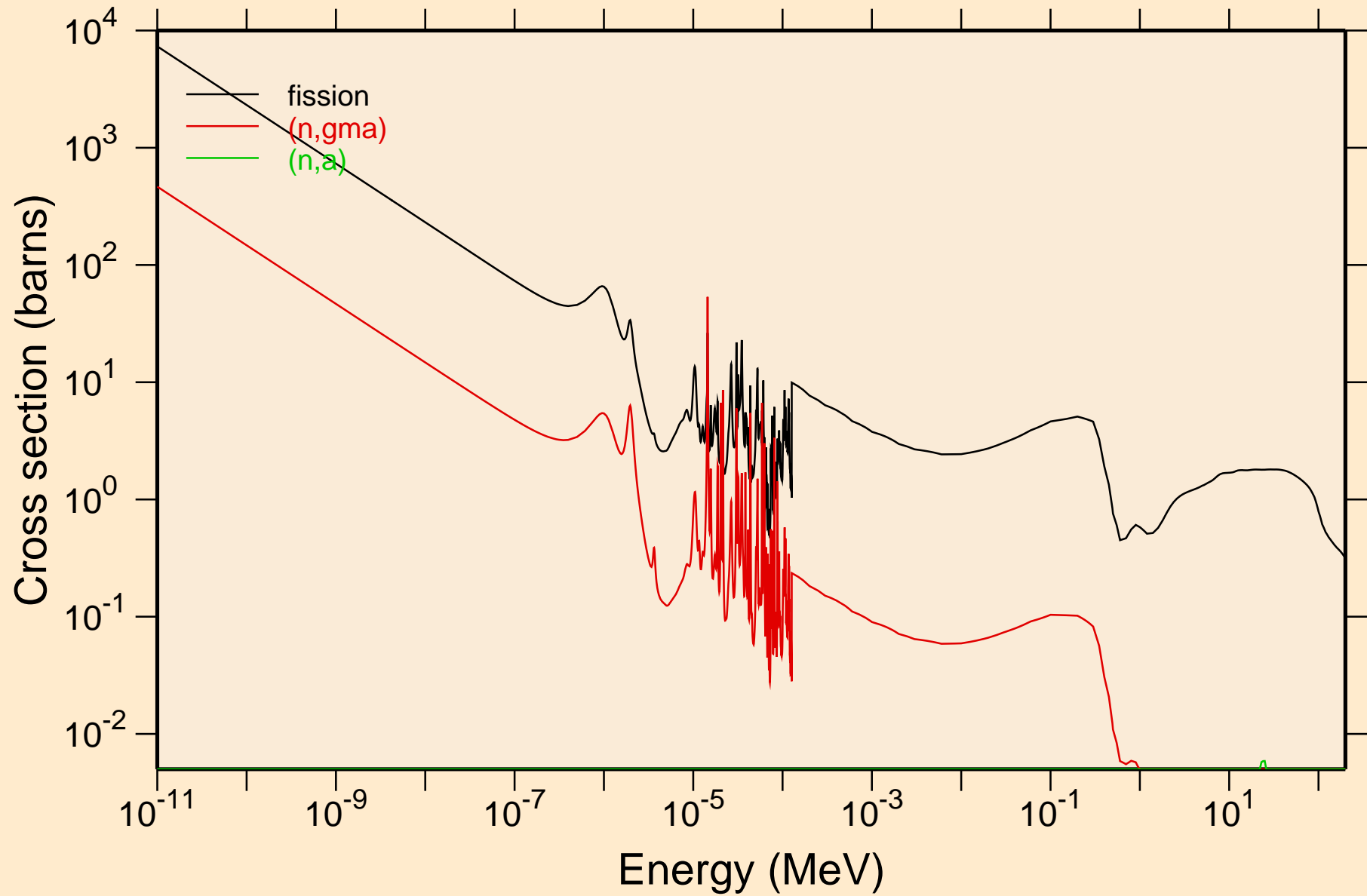
# ES256 NRG TENDL-2015, AKONING

## resonance absorption cross sections



# ES256 NRG TENDL-2015, AKONING

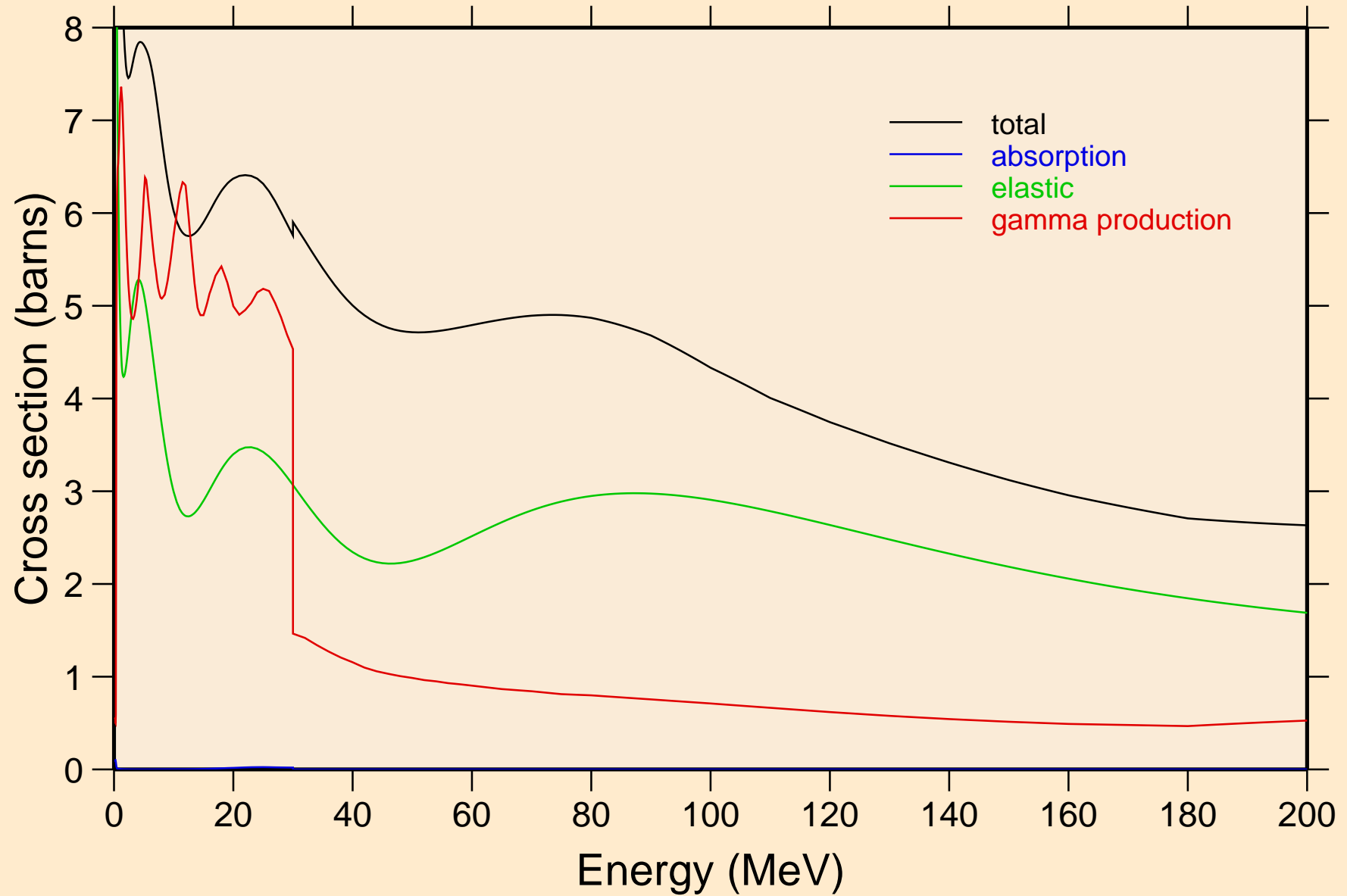
## Non-threshold reactions





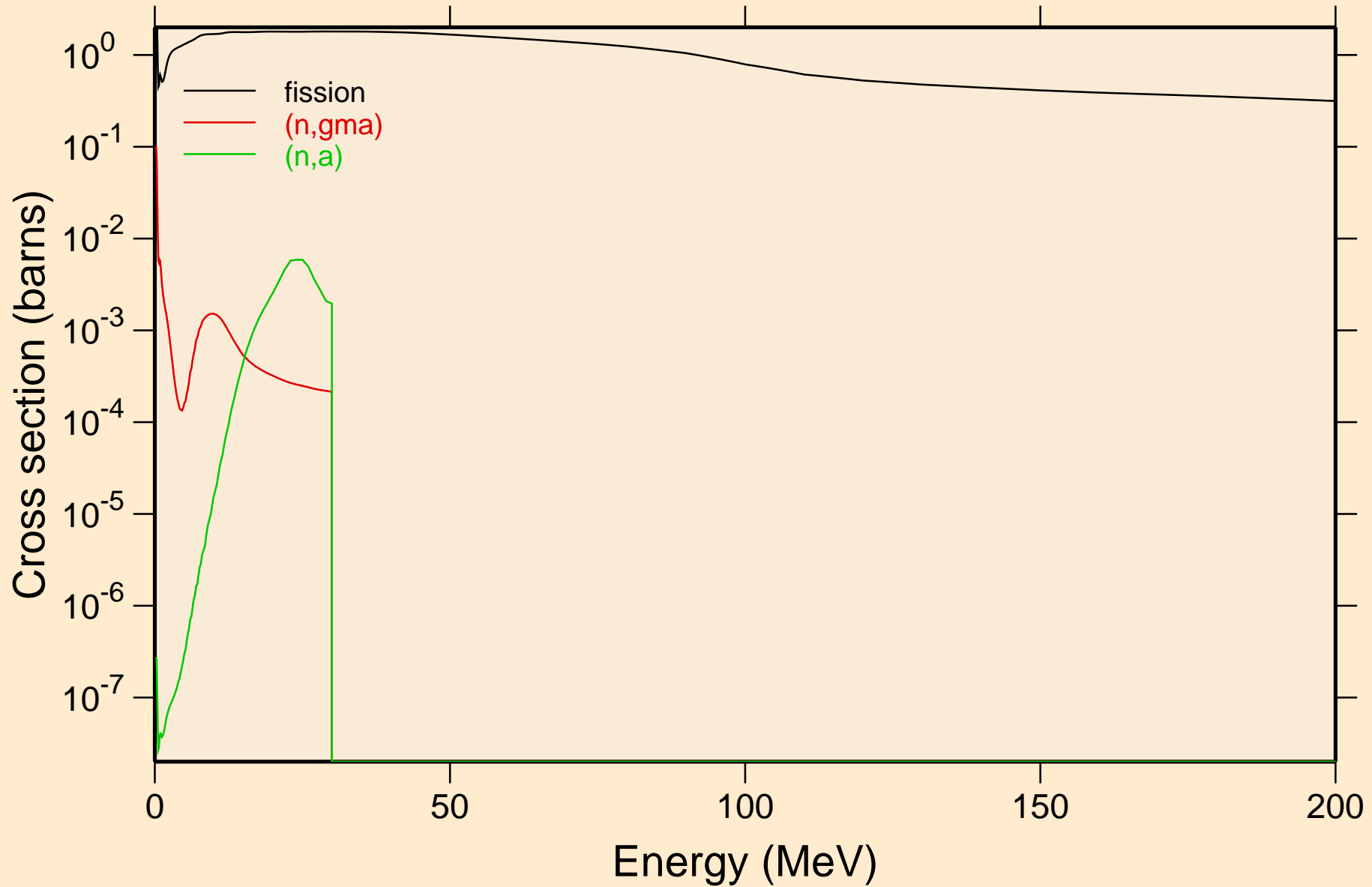
# ES256 NRG TENDL-2015, AKONING

## Principal cross sections



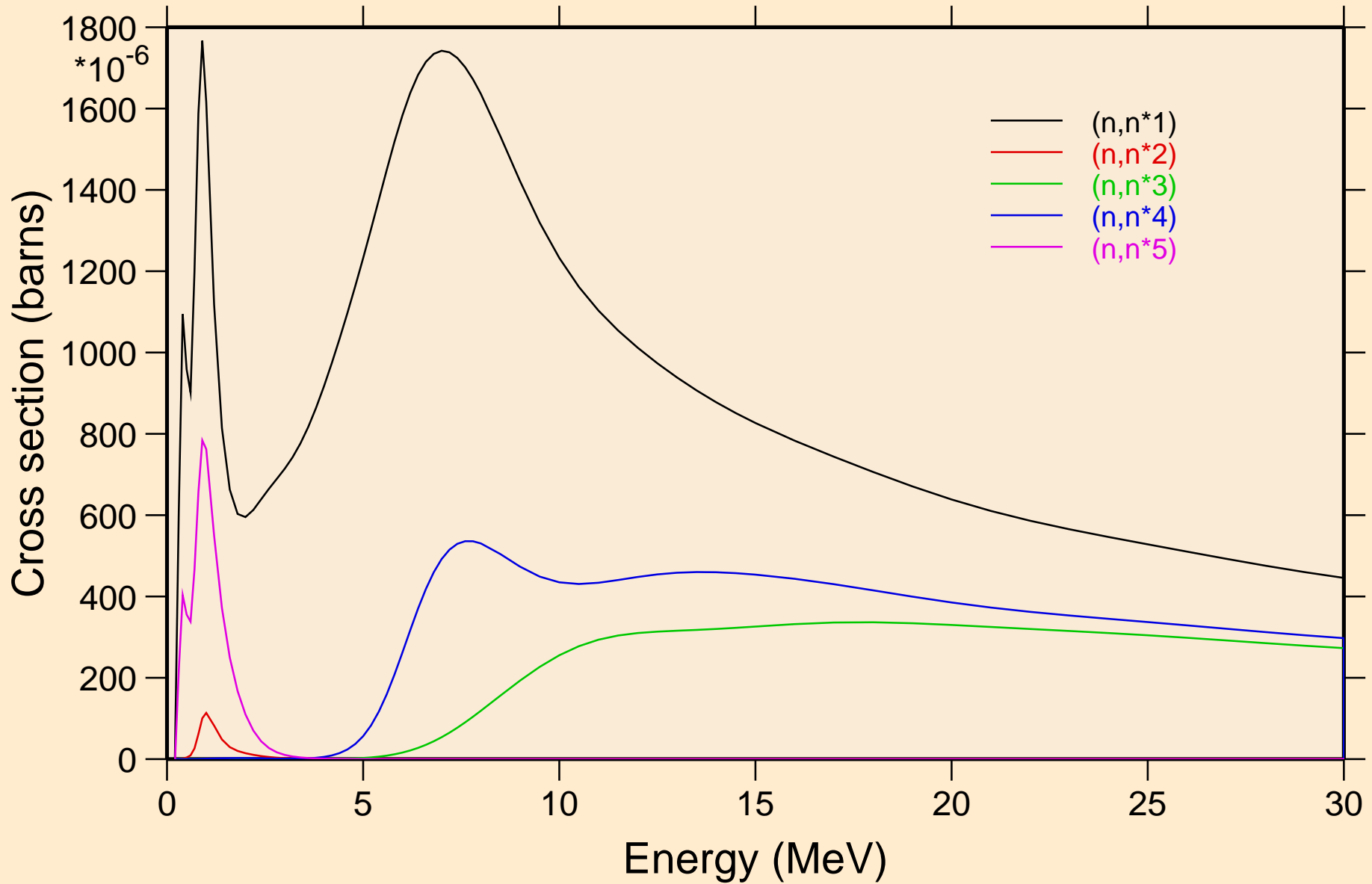
# ES256 NRG TENDL-2015, AKONING

## Non-threshold reactions



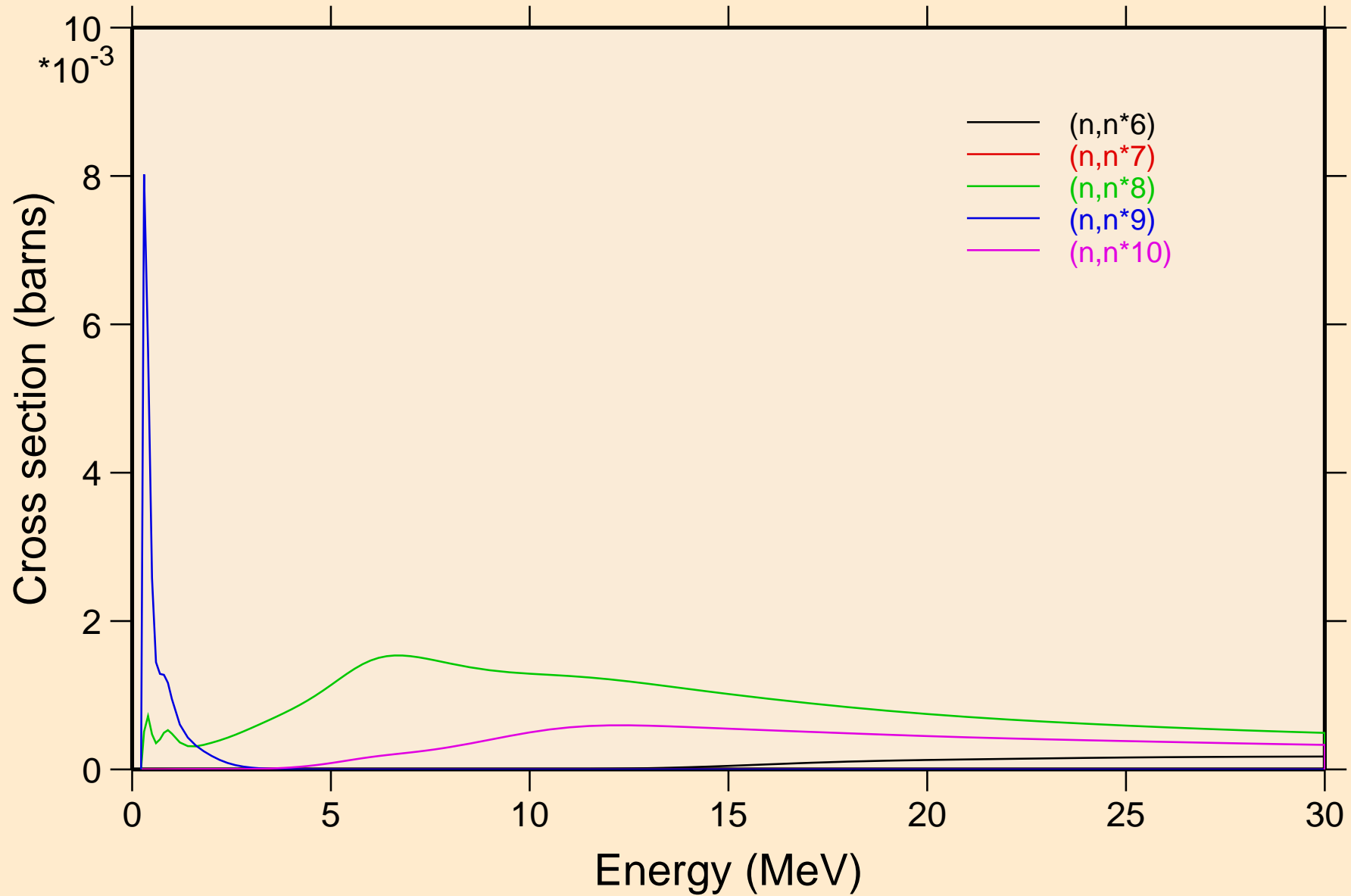
# ES256 NRG TENDL-2015, AKONING

## Inelastic levels



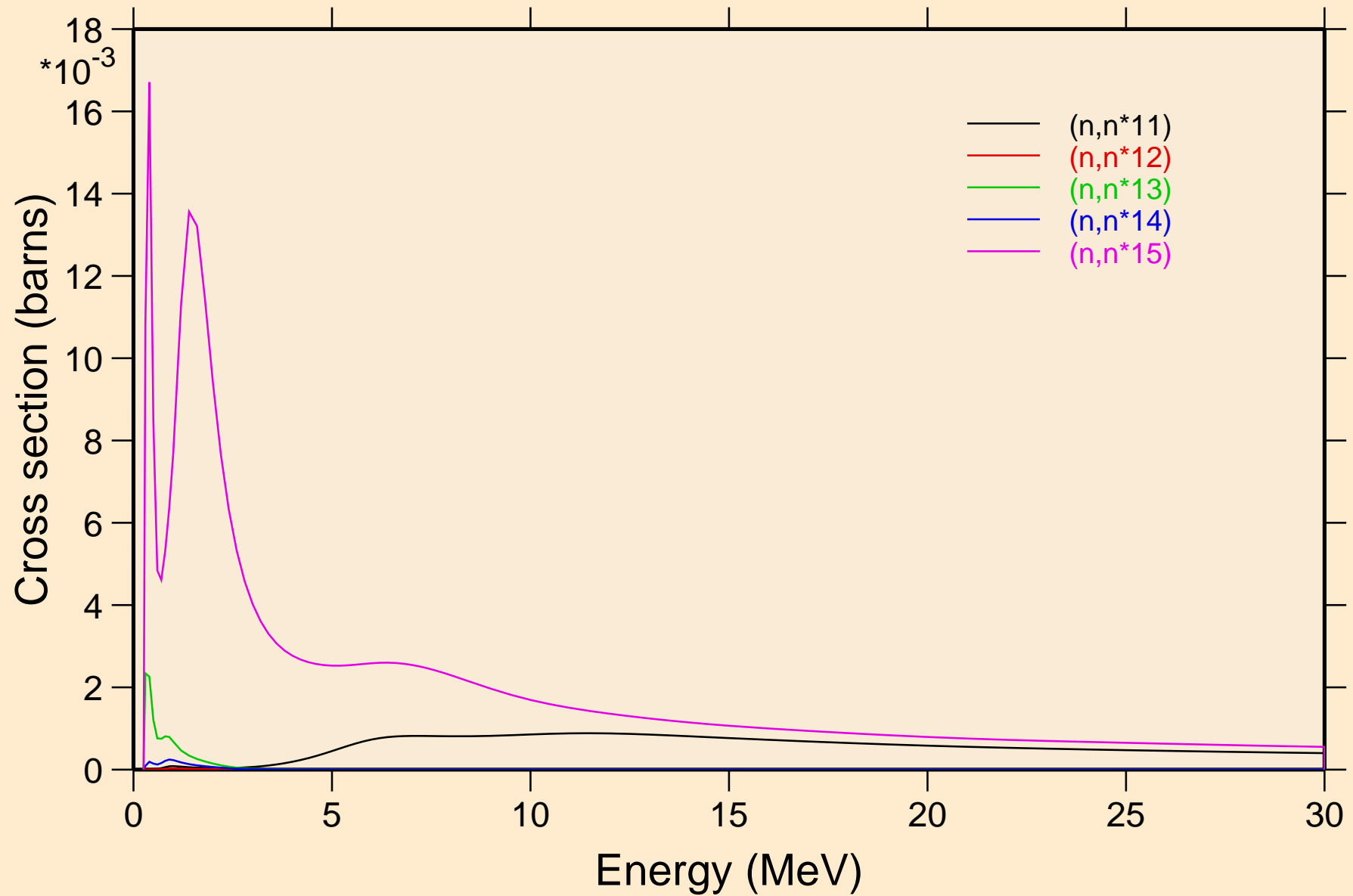
# ES256 NRG TENDL-2015, AKONING

## Inelastic levels



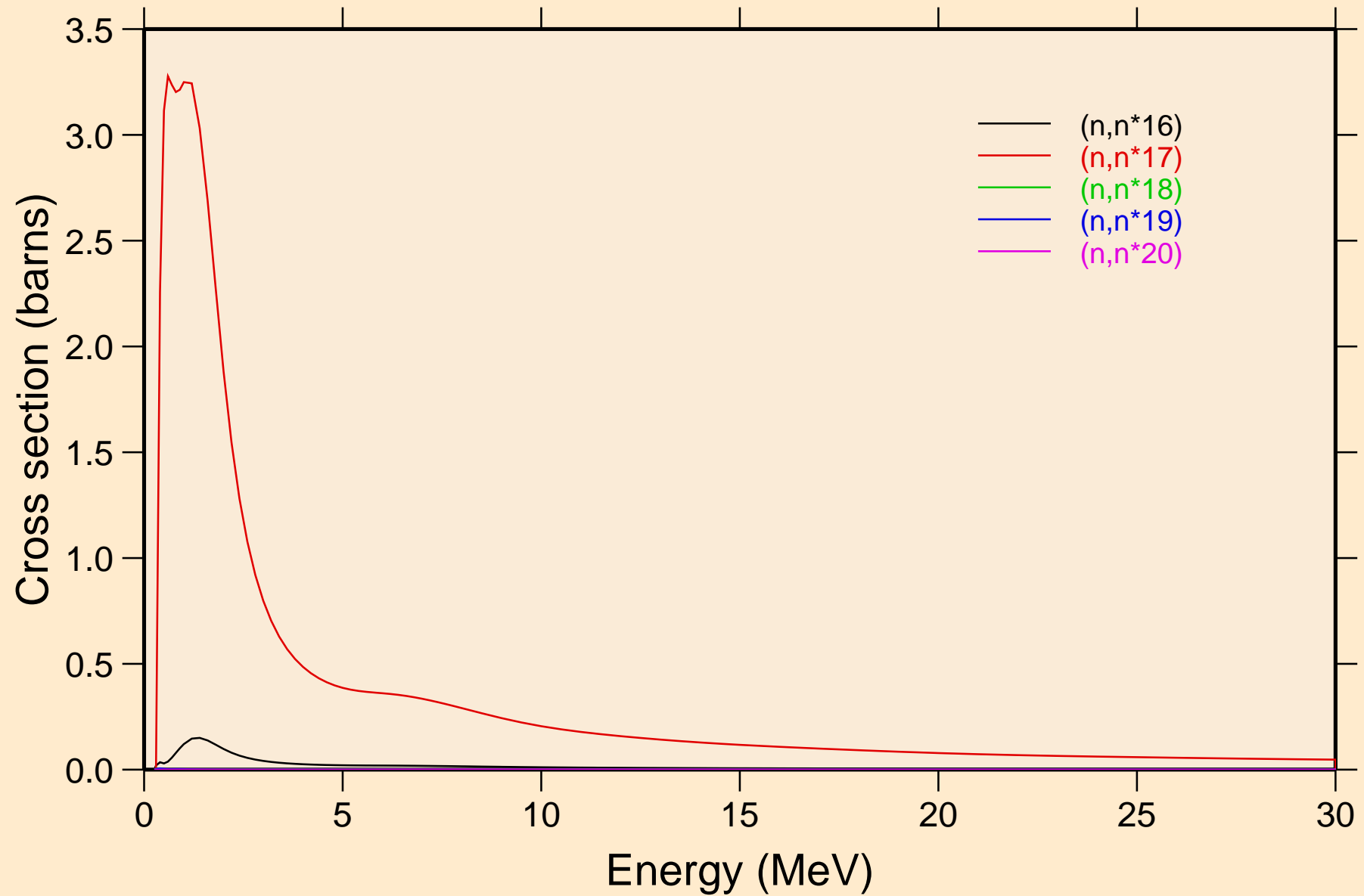
# ES256 NRG TENDL-2015, AKONING

## Inelastic levels



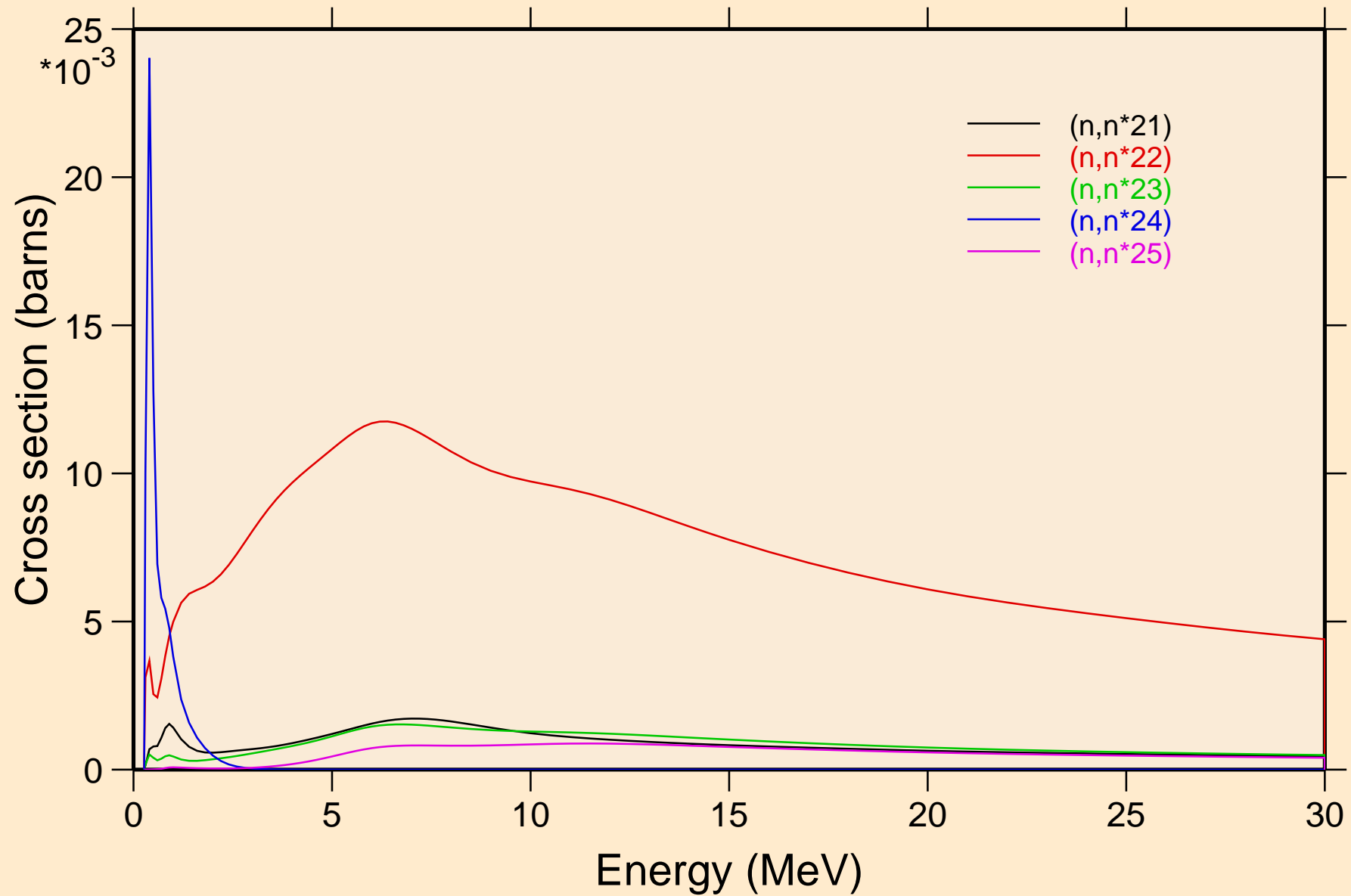
# ES256 NRG TENDL-2015, AKONING

## Inelastic levels



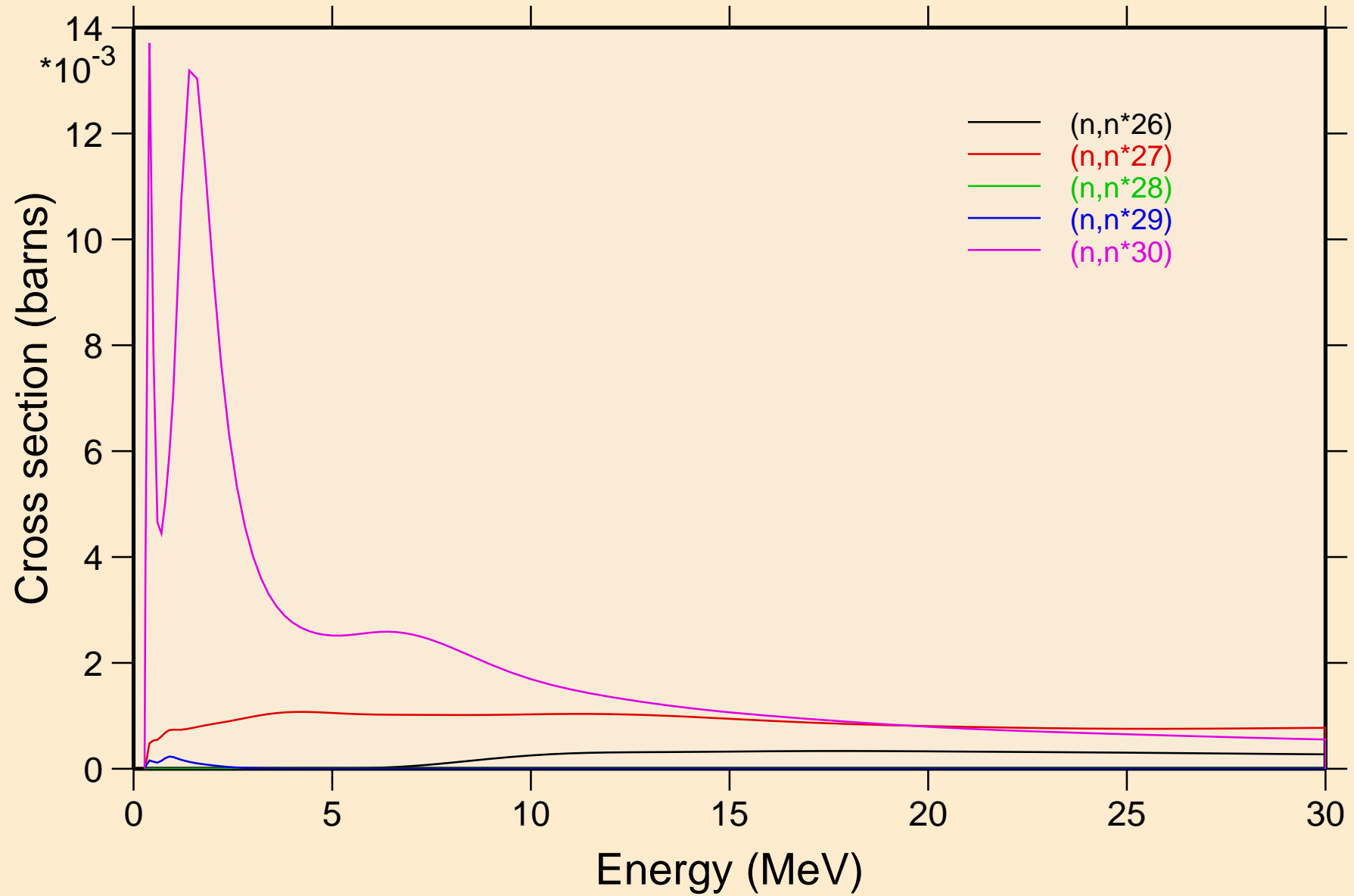
# ES256 NRG TENDL-2015, AKONING

## Inelastic levels



# ES256 NRG TENDL-2015, AKONING

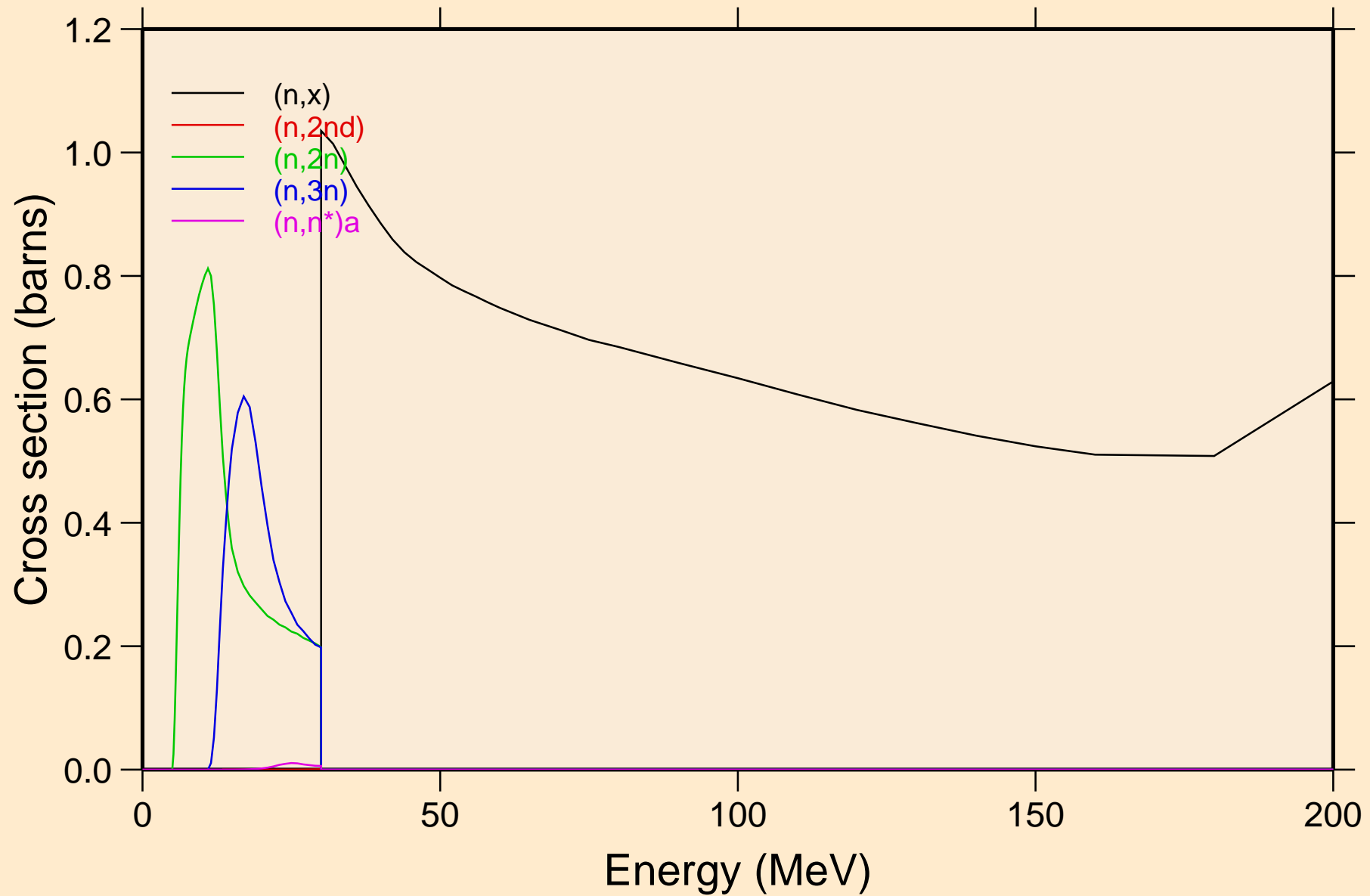
## Inelastic levels





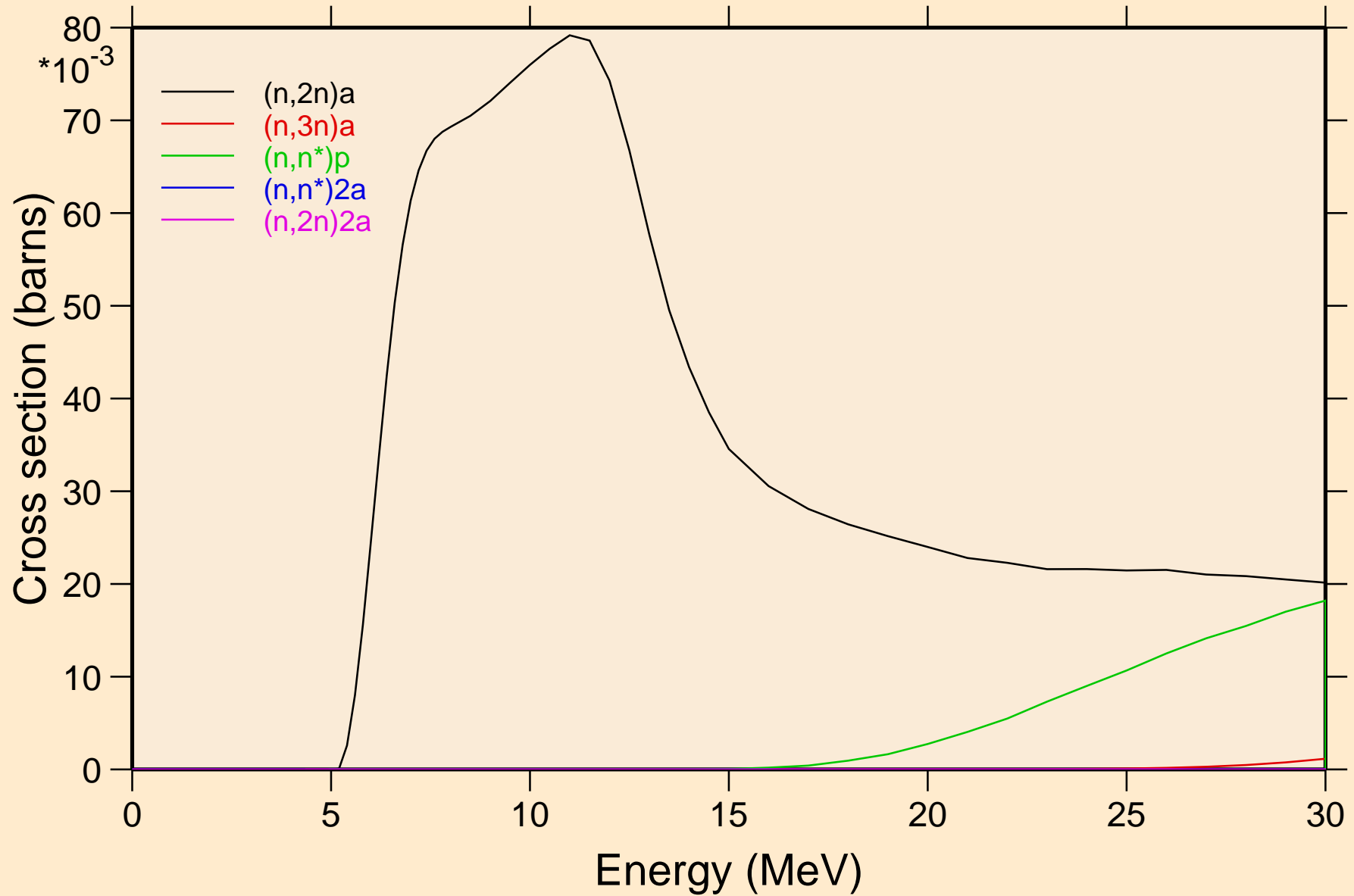
# ES256 NRG TENDL-2015, AKONING

## Threshold reactions



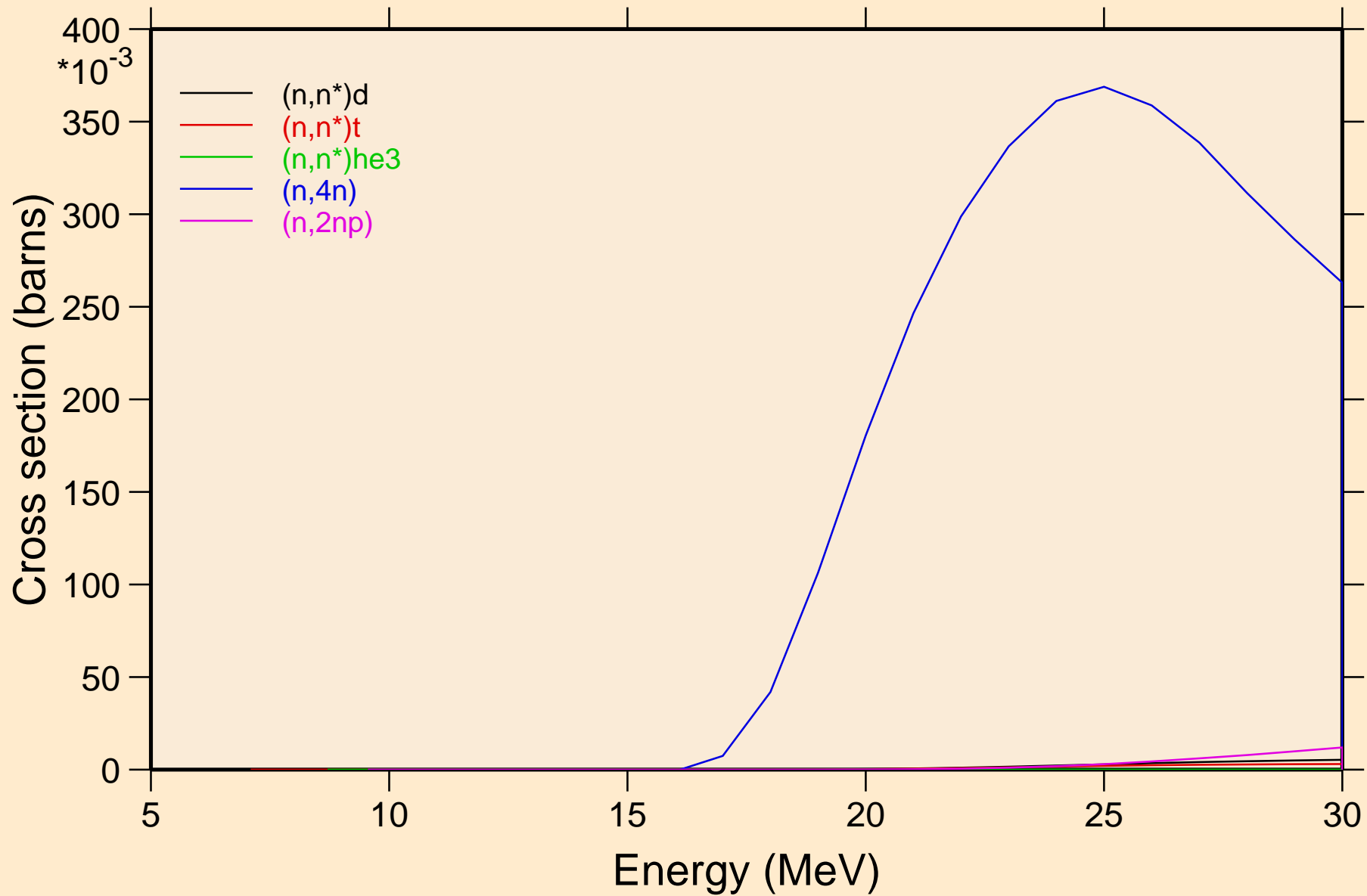
# ES256 NRG TENDL-2015, AKONING

## Threshold reactions



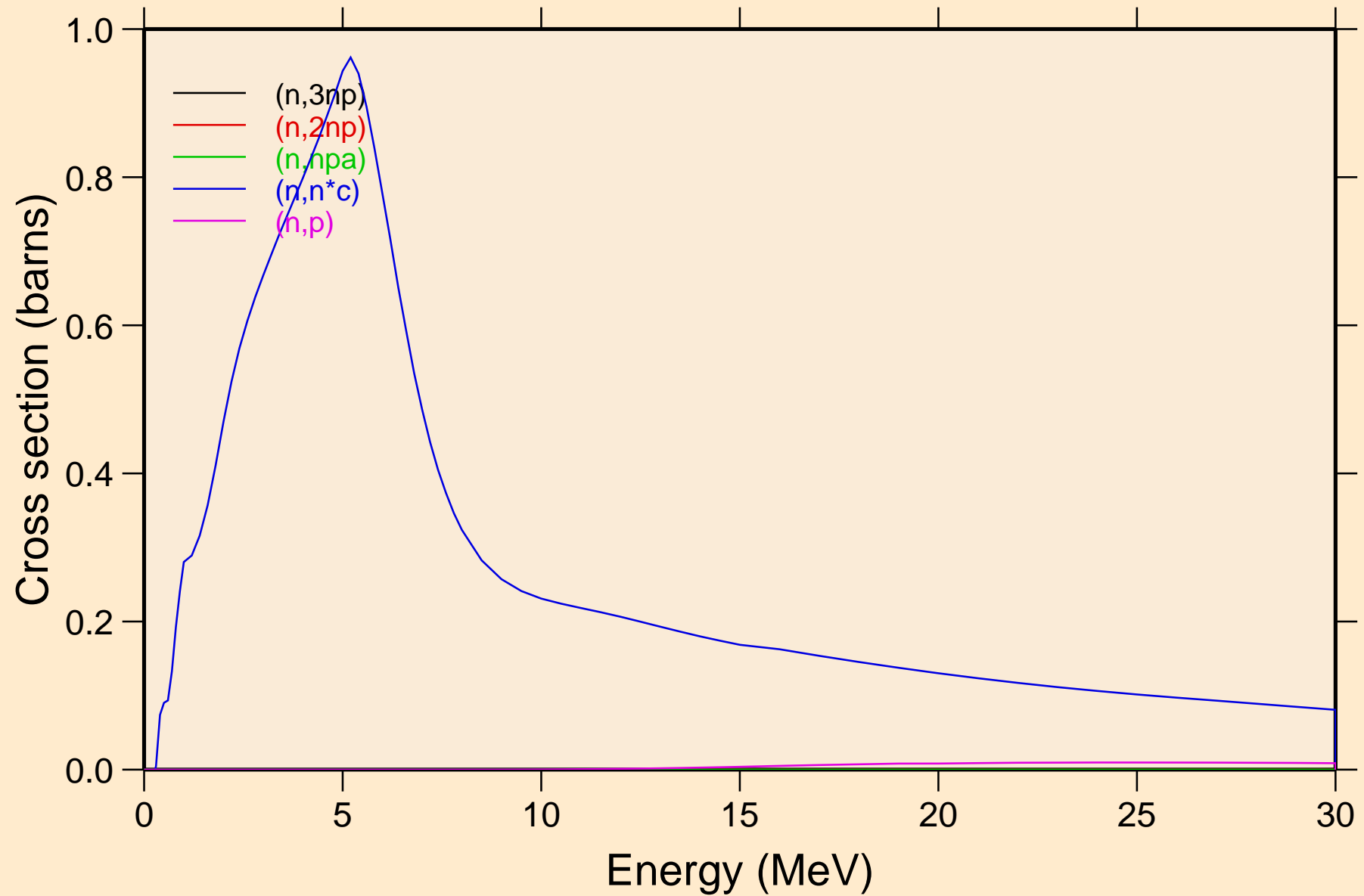
# ES256 NRG TENDL-2015, AKONING

## Threshold reactions



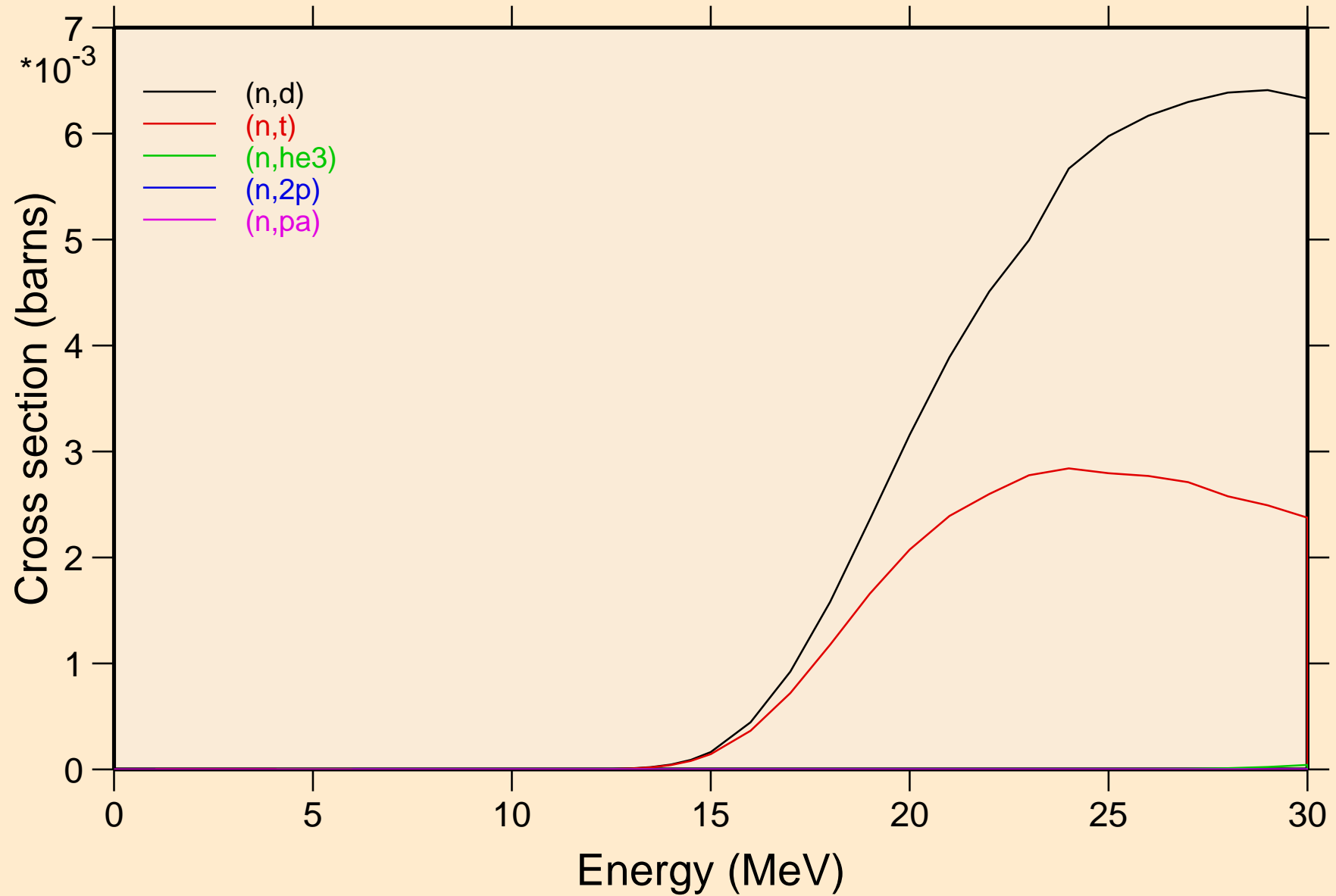
# ES256 NRG TENDL-2015, AKONING

## Threshold reactions

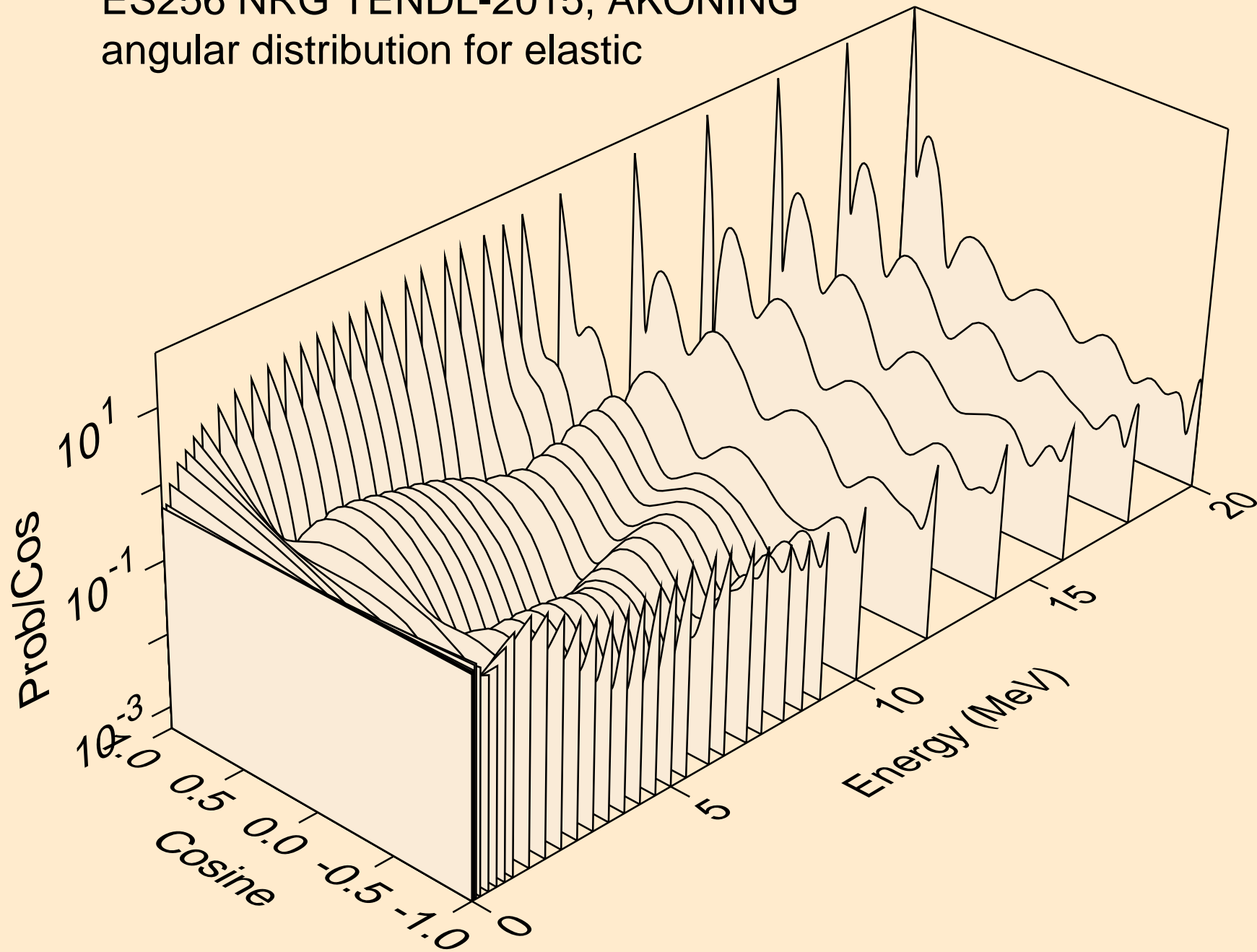


# ES256 NRG TENDL-2015, AKONING

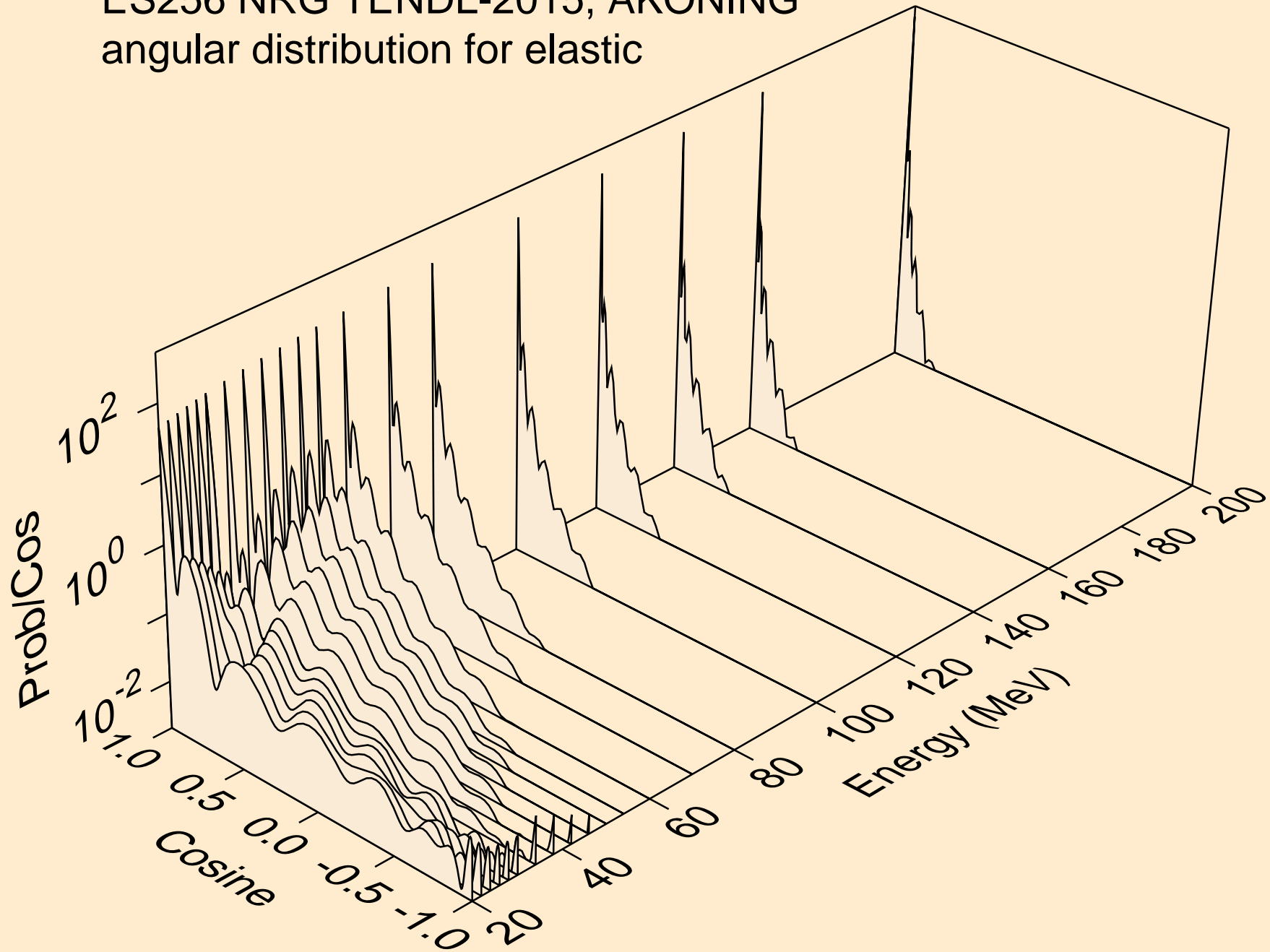
## Threshold reactions



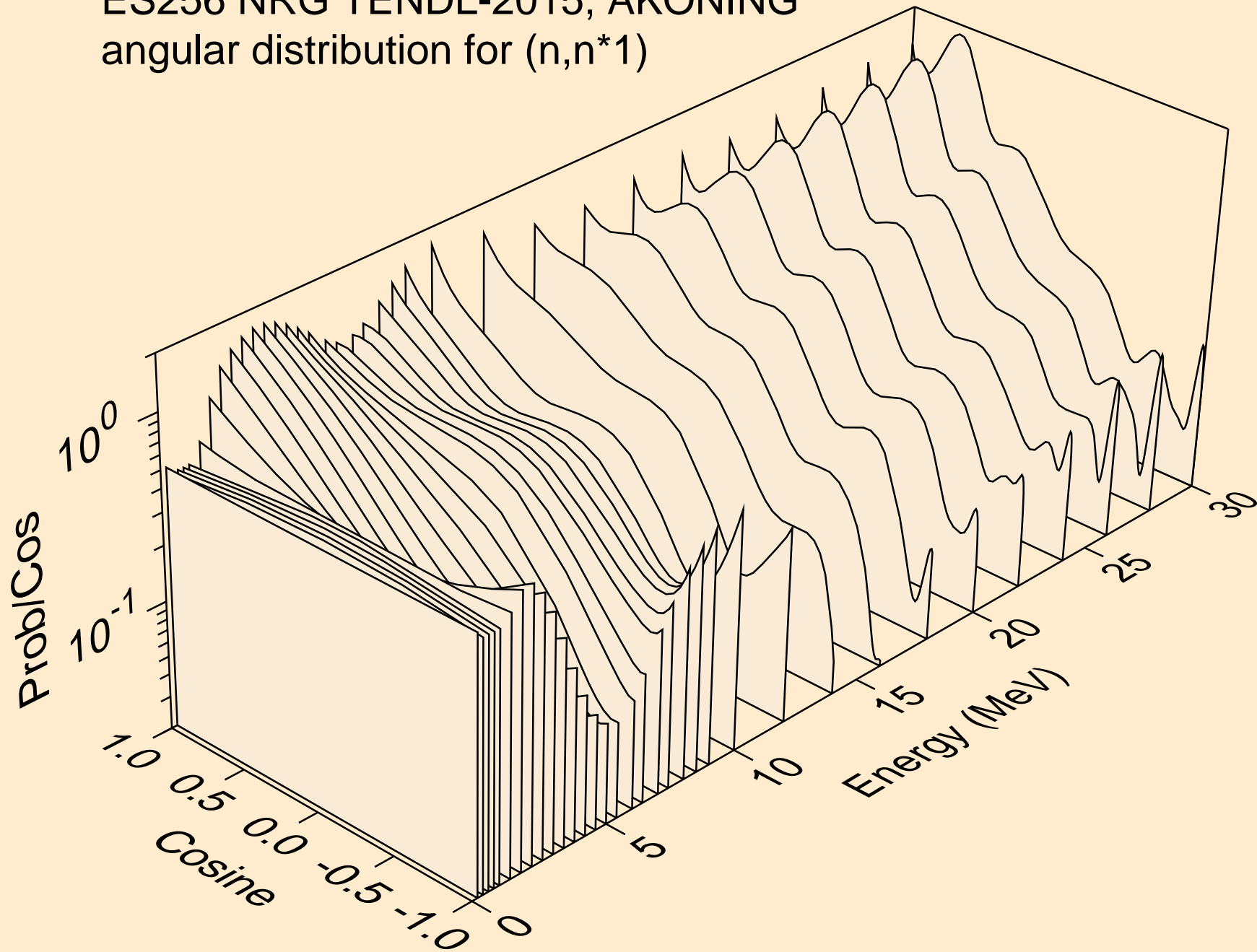
ES256 NRG TENDL-2015, AKONING  
angular distribution for elastic



ES256 NRG TENDL-2015, AKONING  
angular distribution for elastic

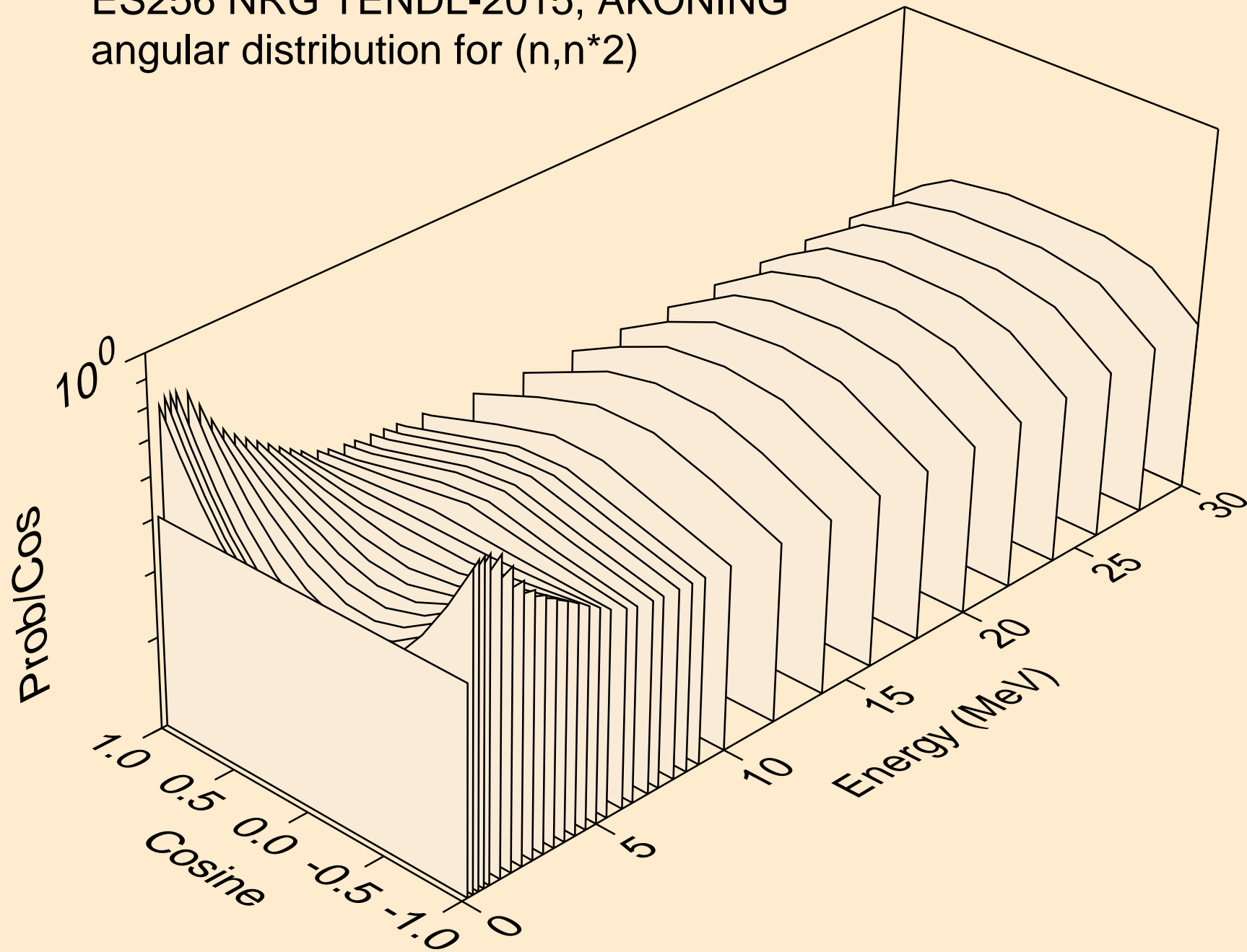


ES256 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)

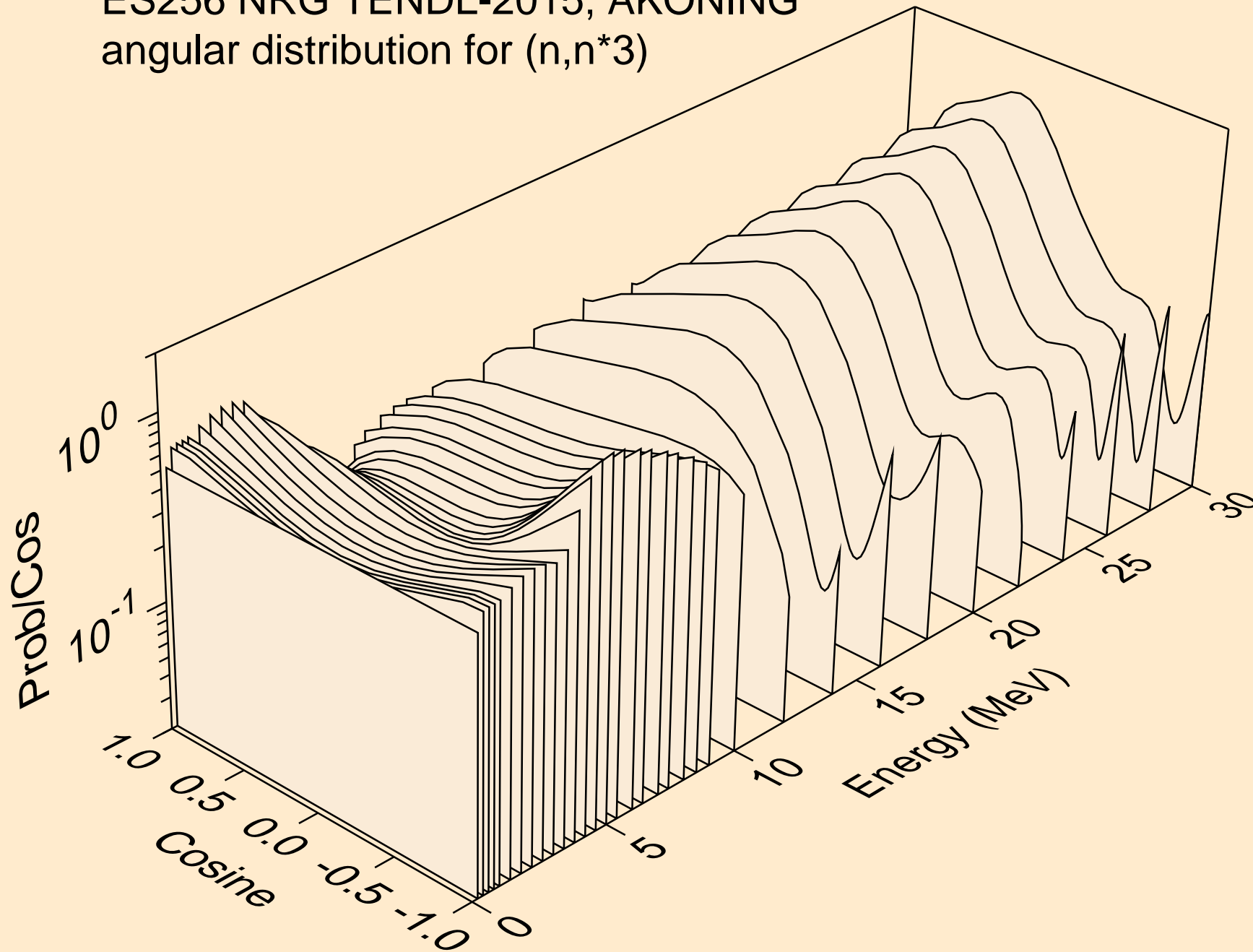




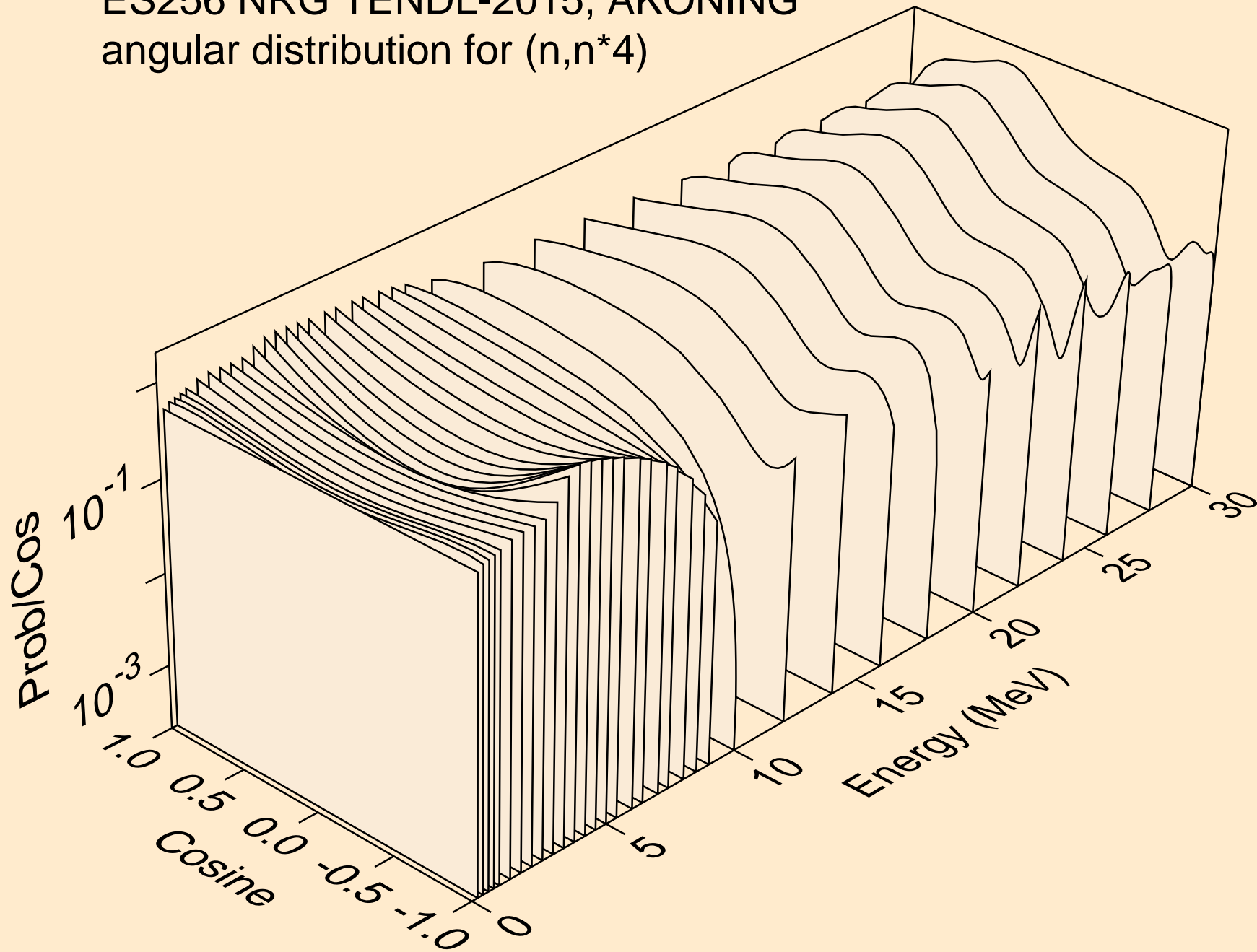
ES256 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



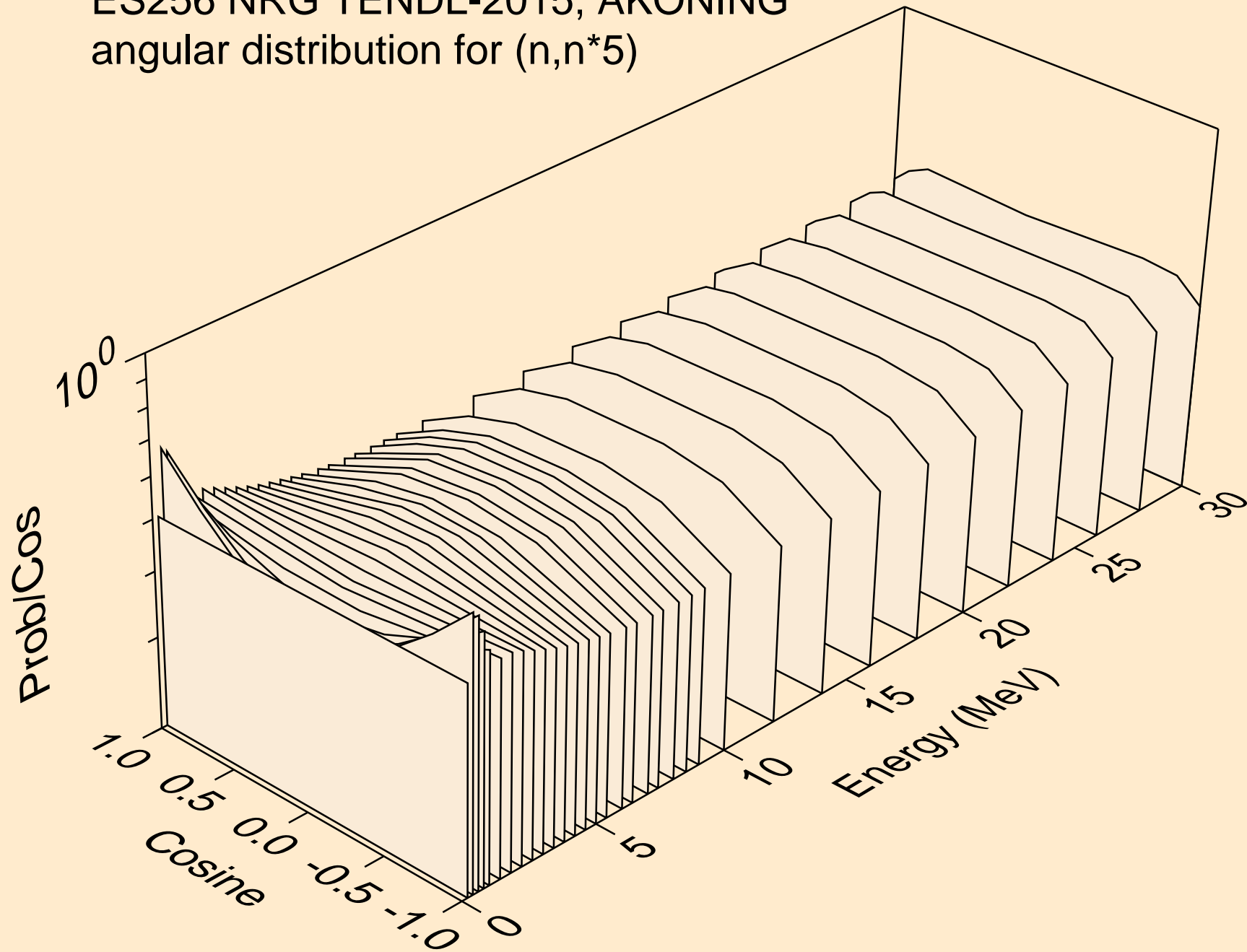
ES256 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



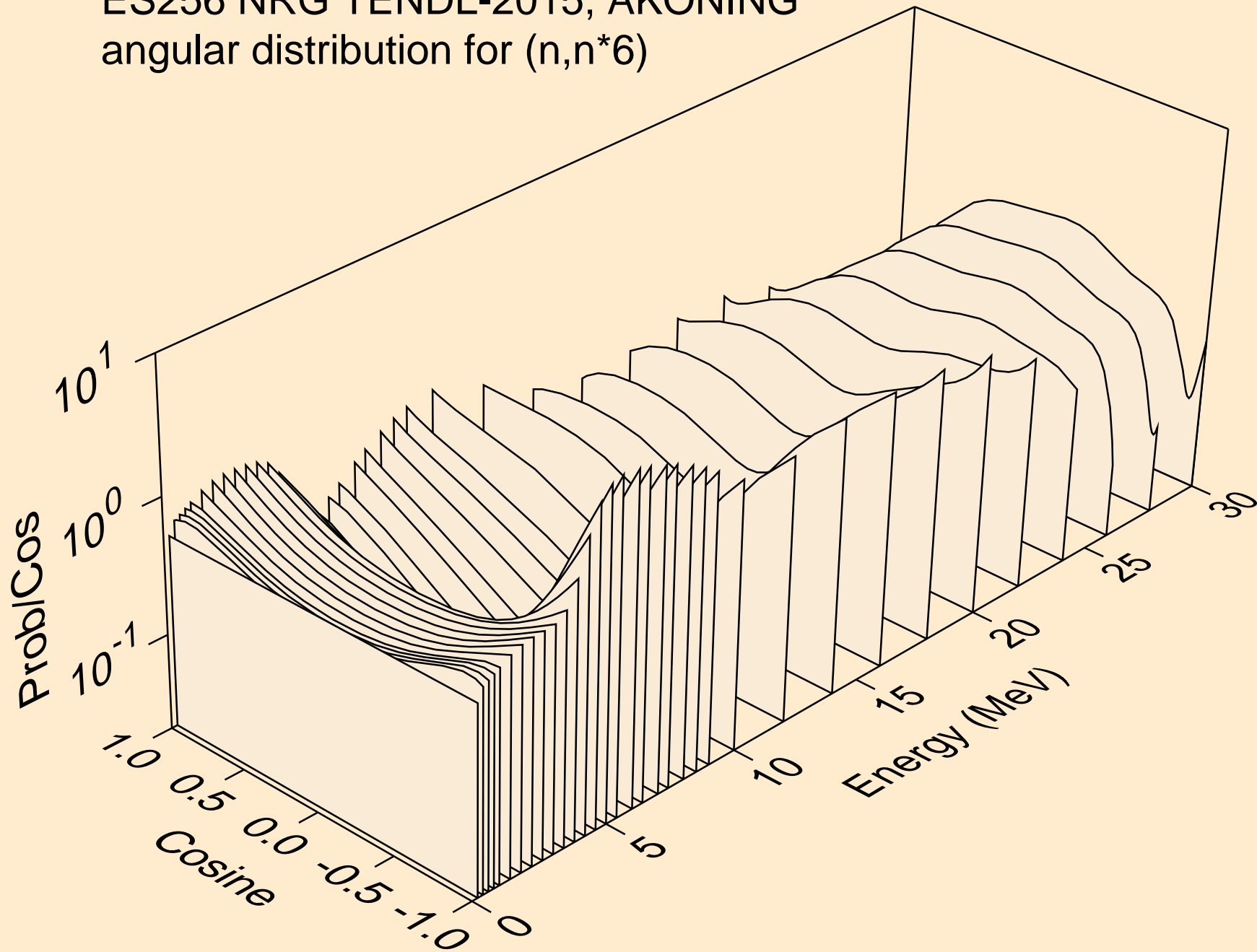
ES256 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



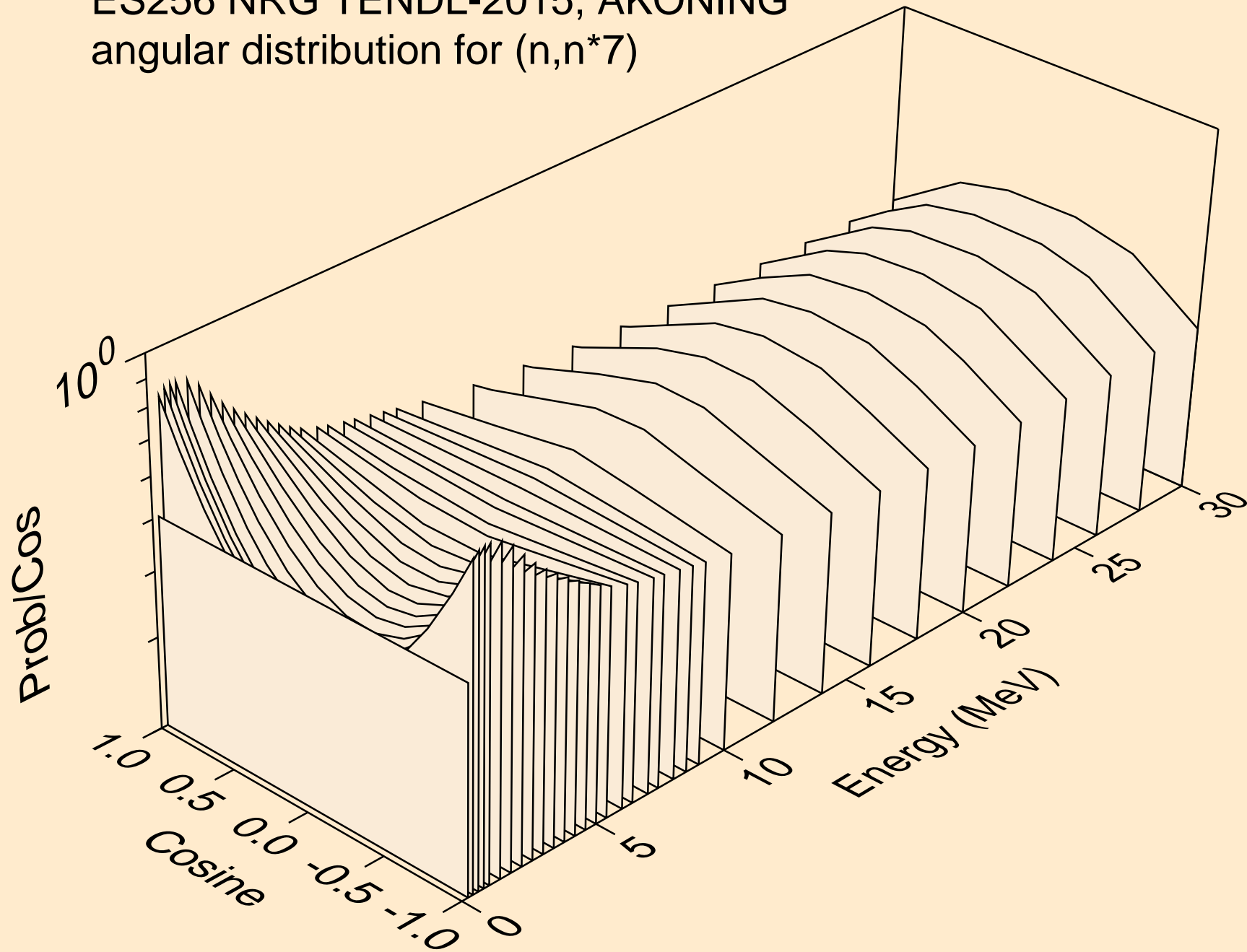
ES256 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)



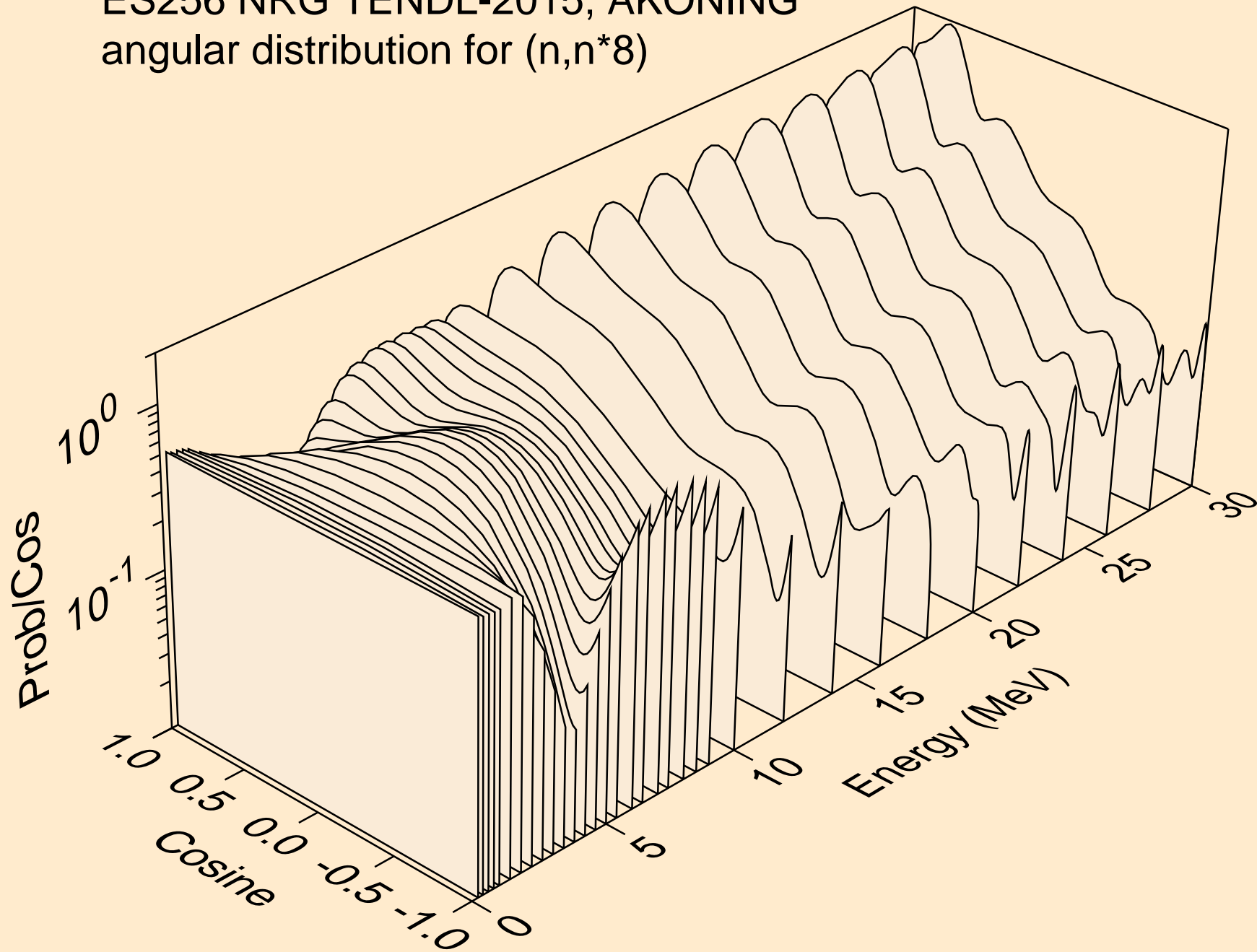
ES256 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)



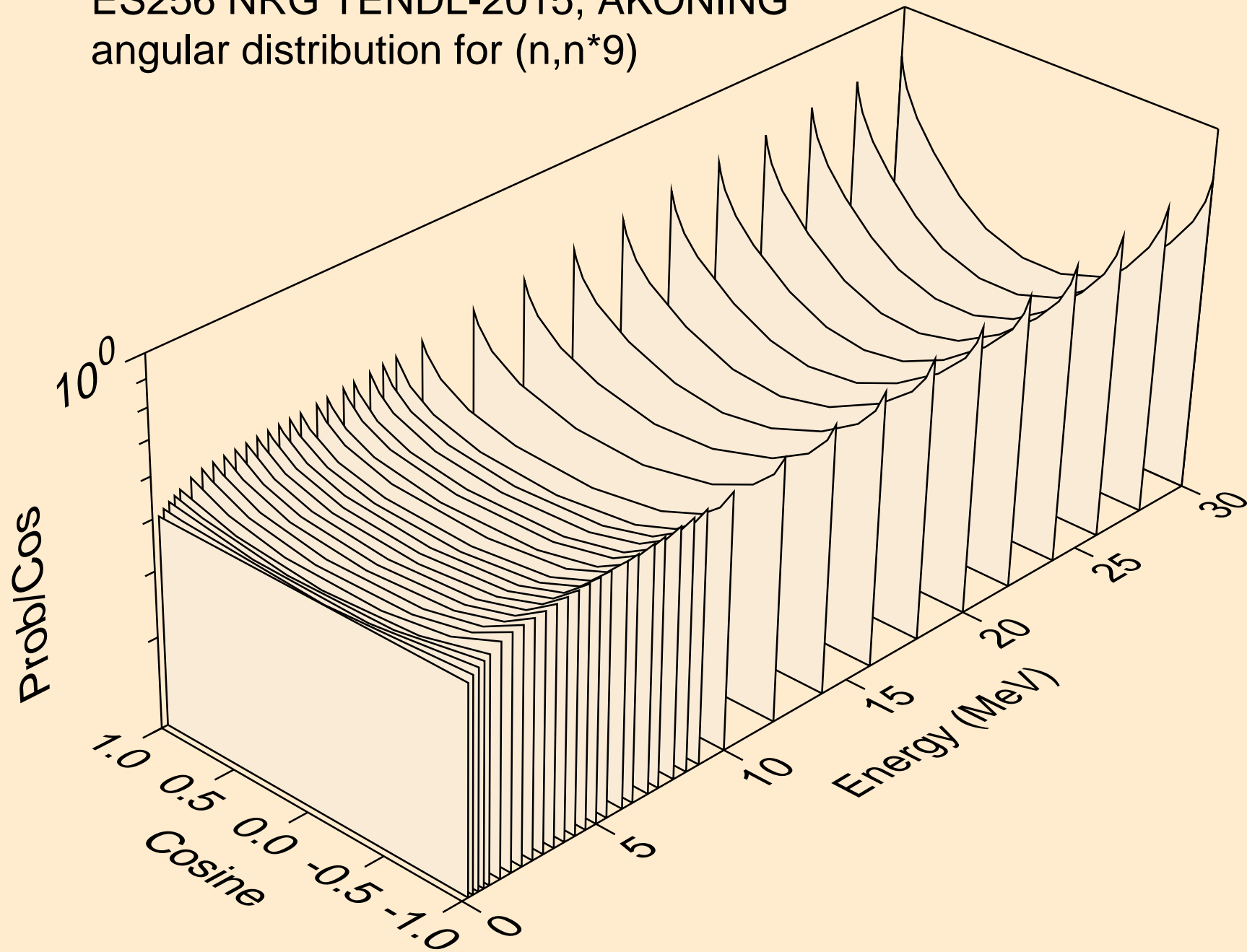
ES256 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



ES256 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)

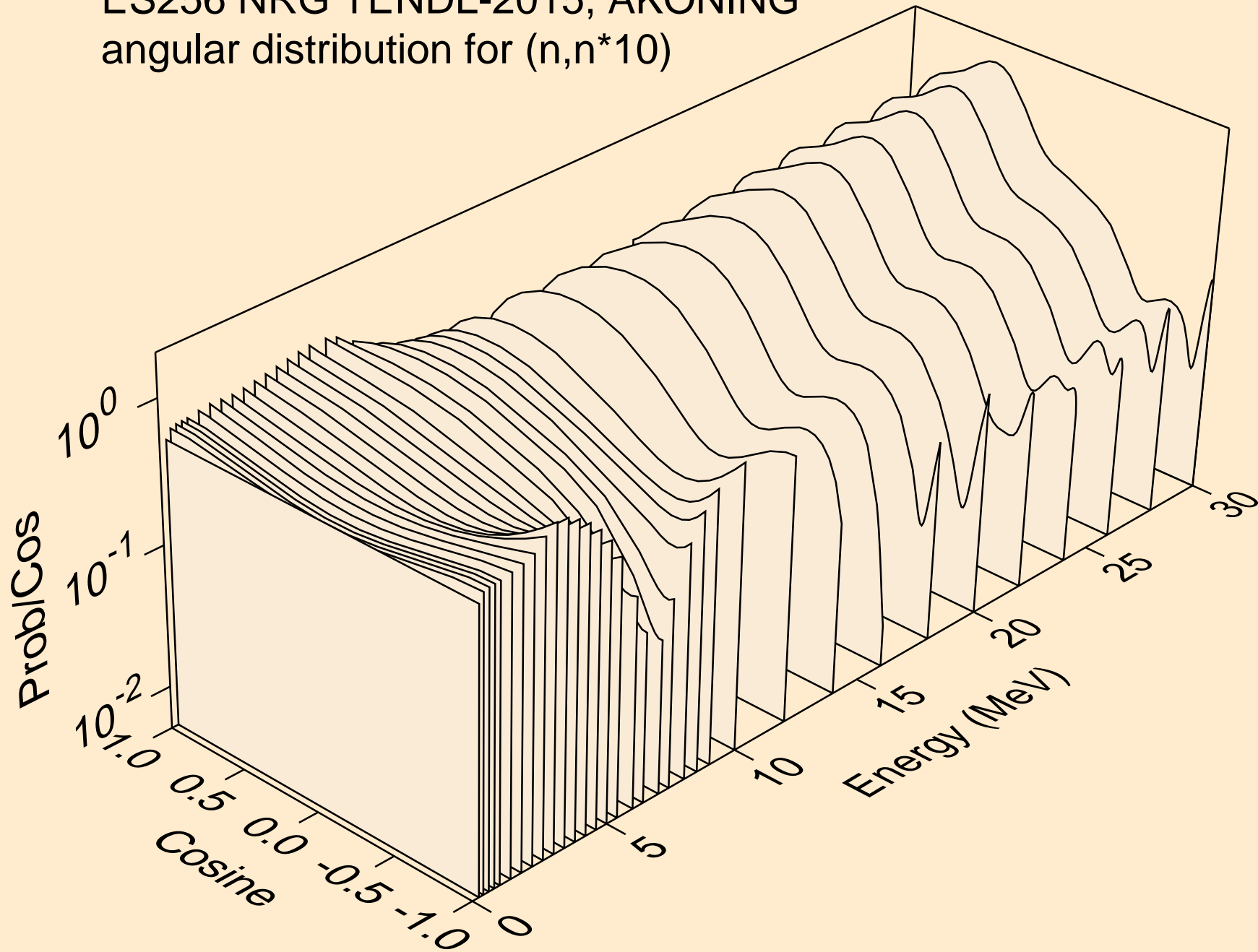


ES256 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)

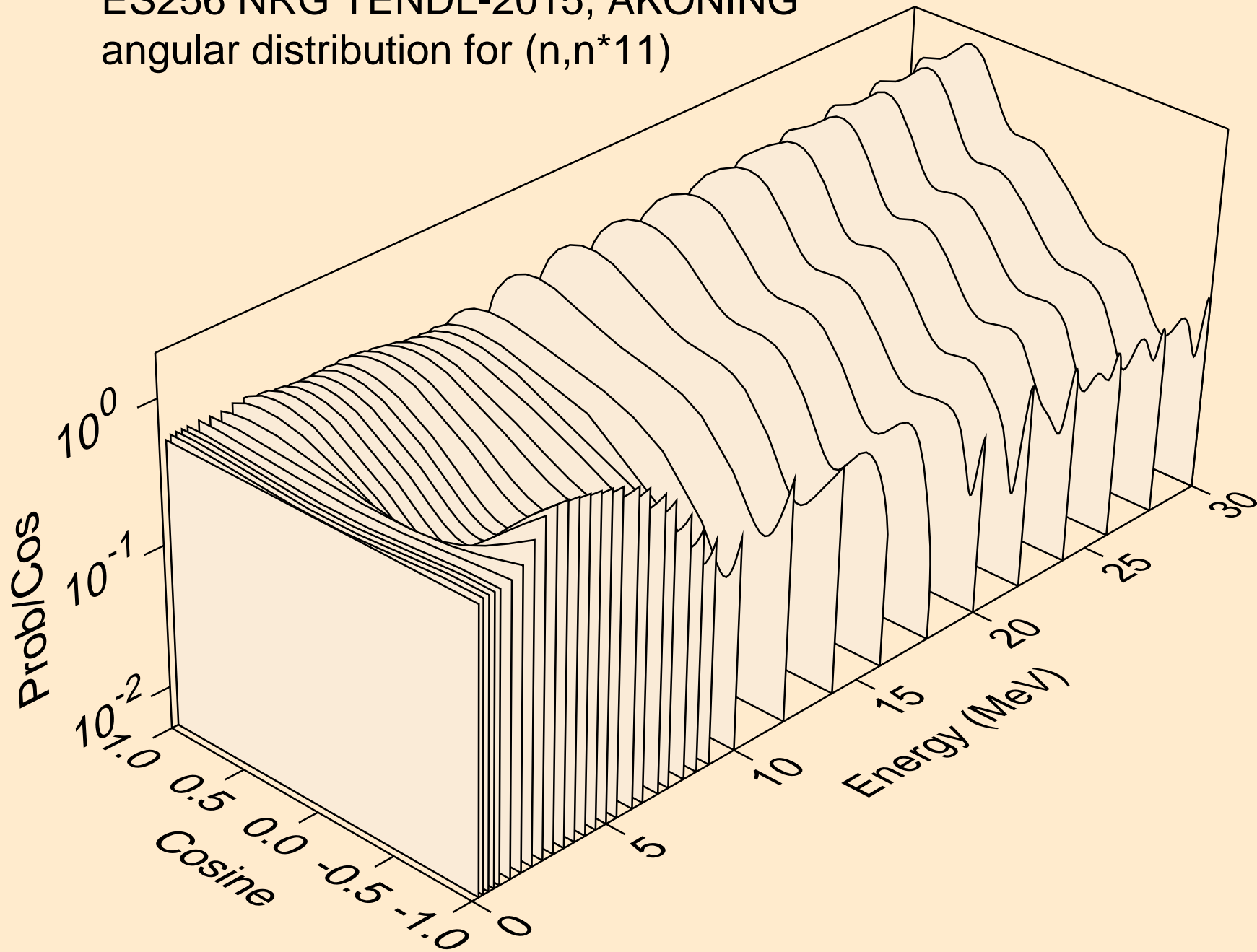




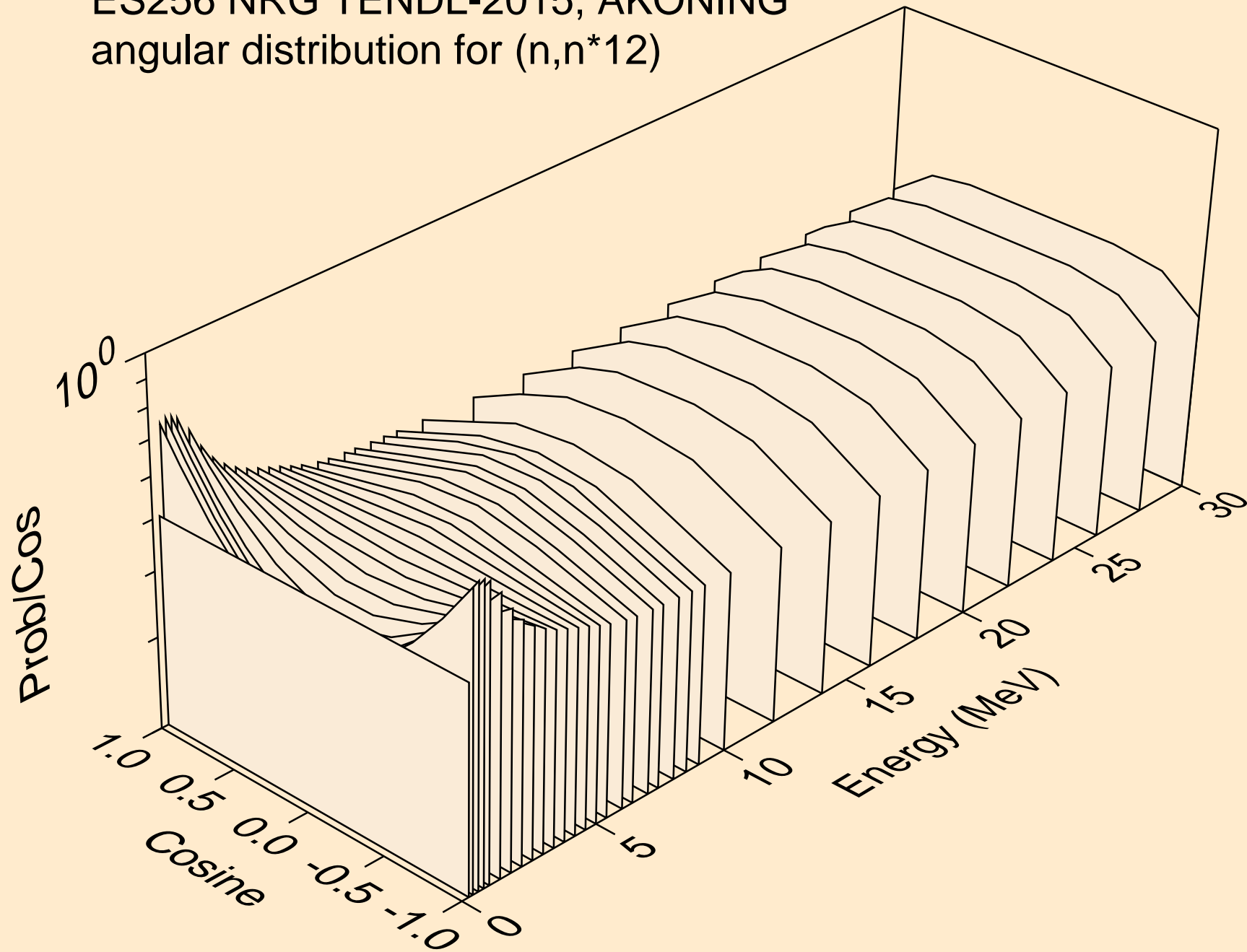
ES256 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



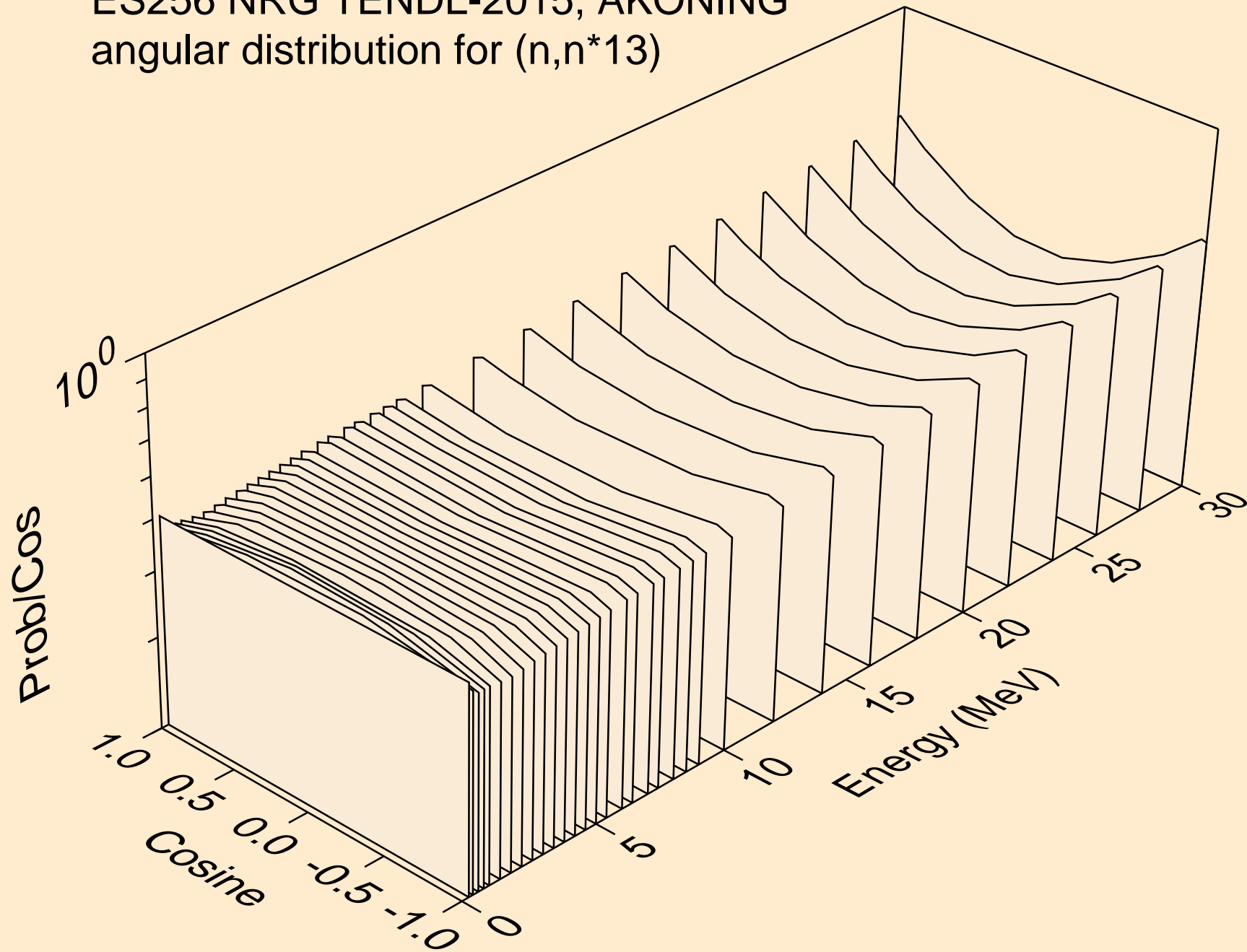
ES256 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



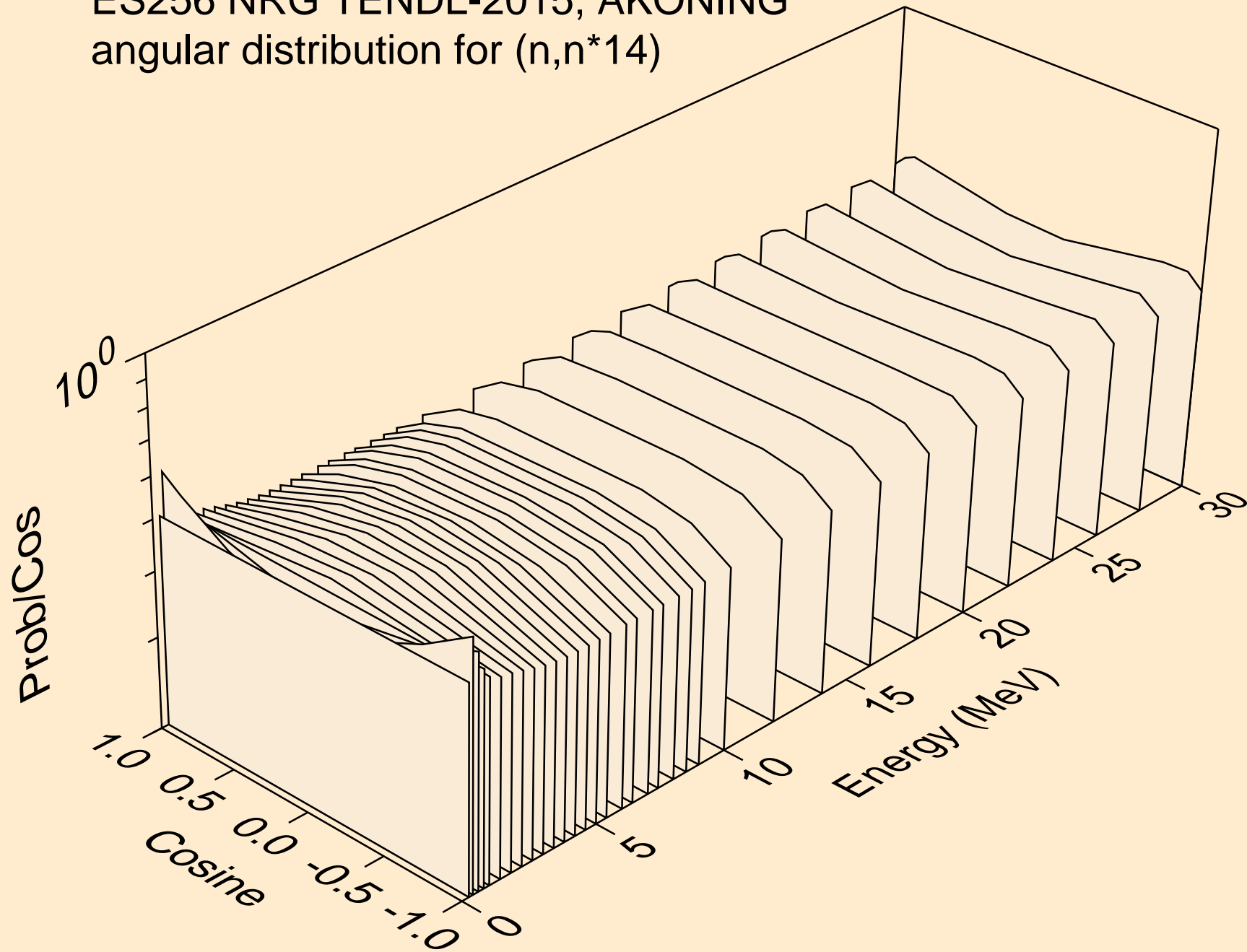
ES256 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



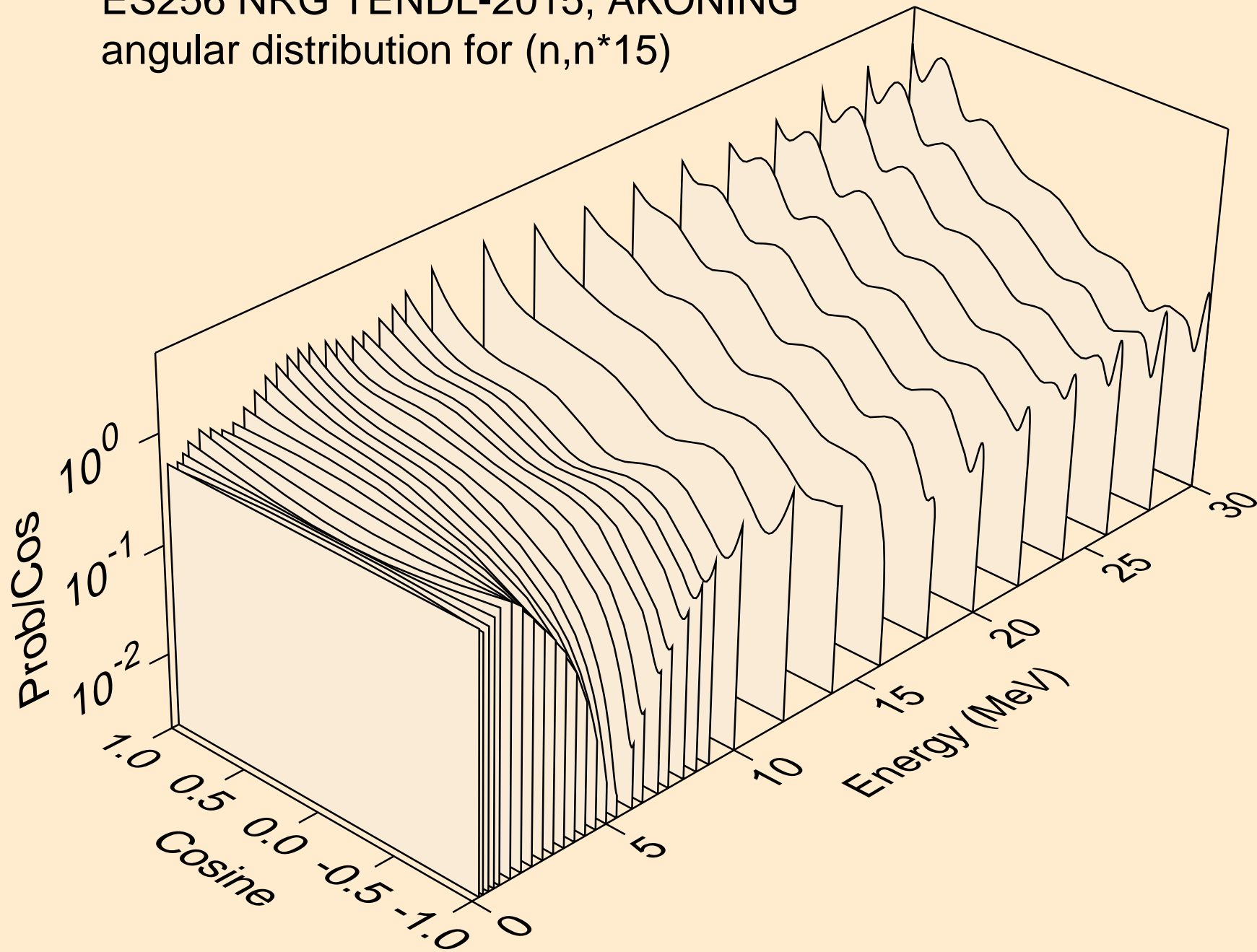
ES256 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)



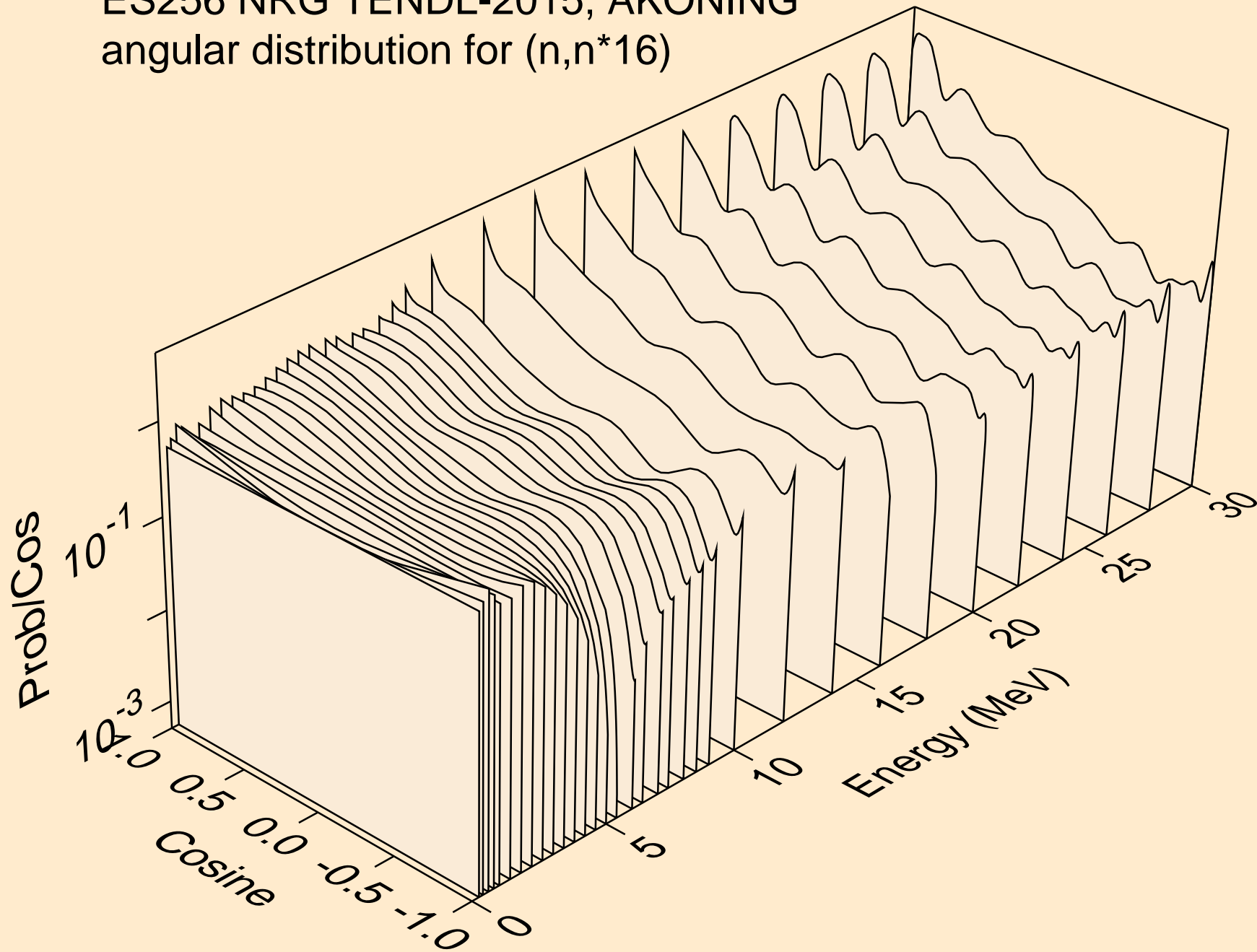
ES256 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)



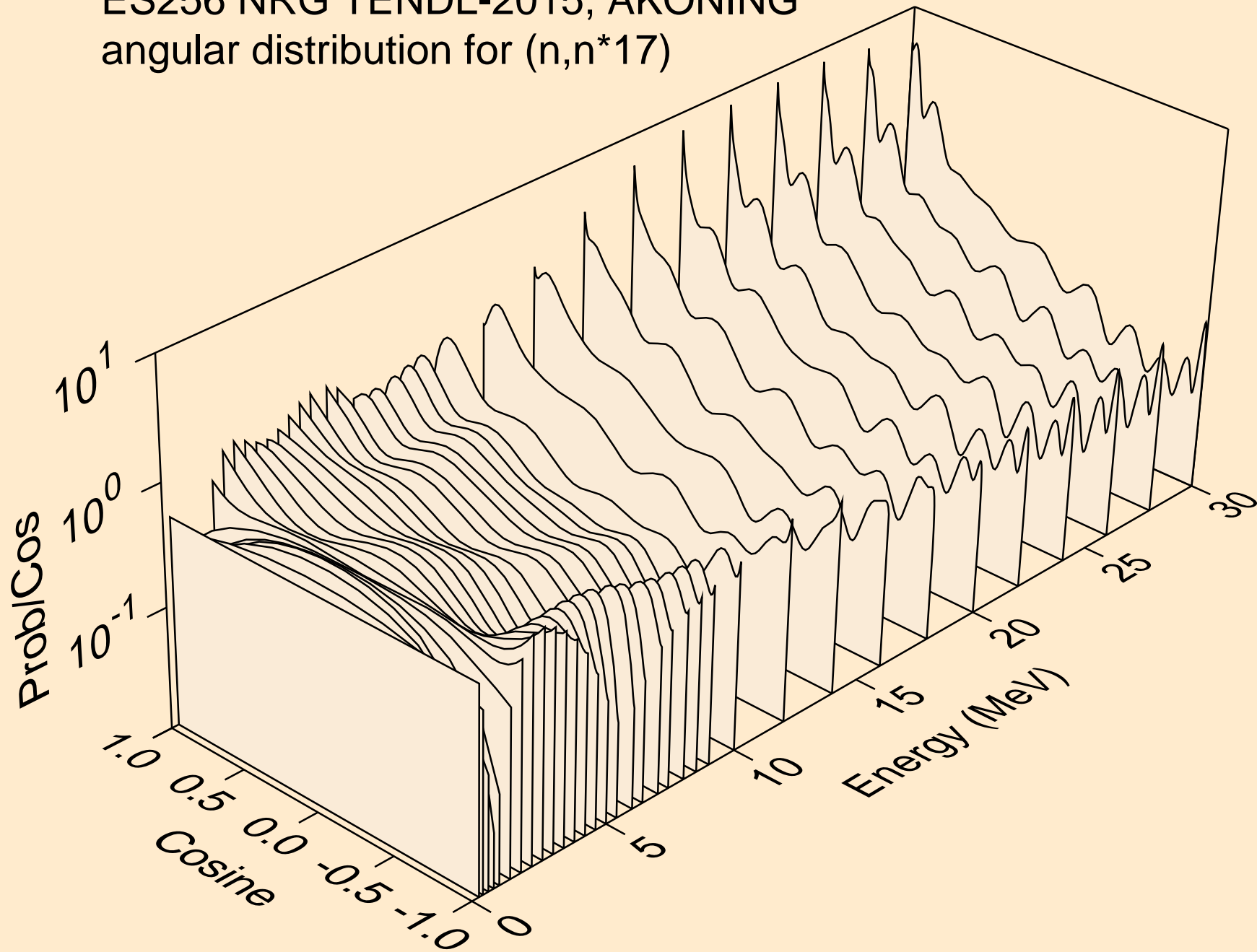
ES256 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



ES256 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)

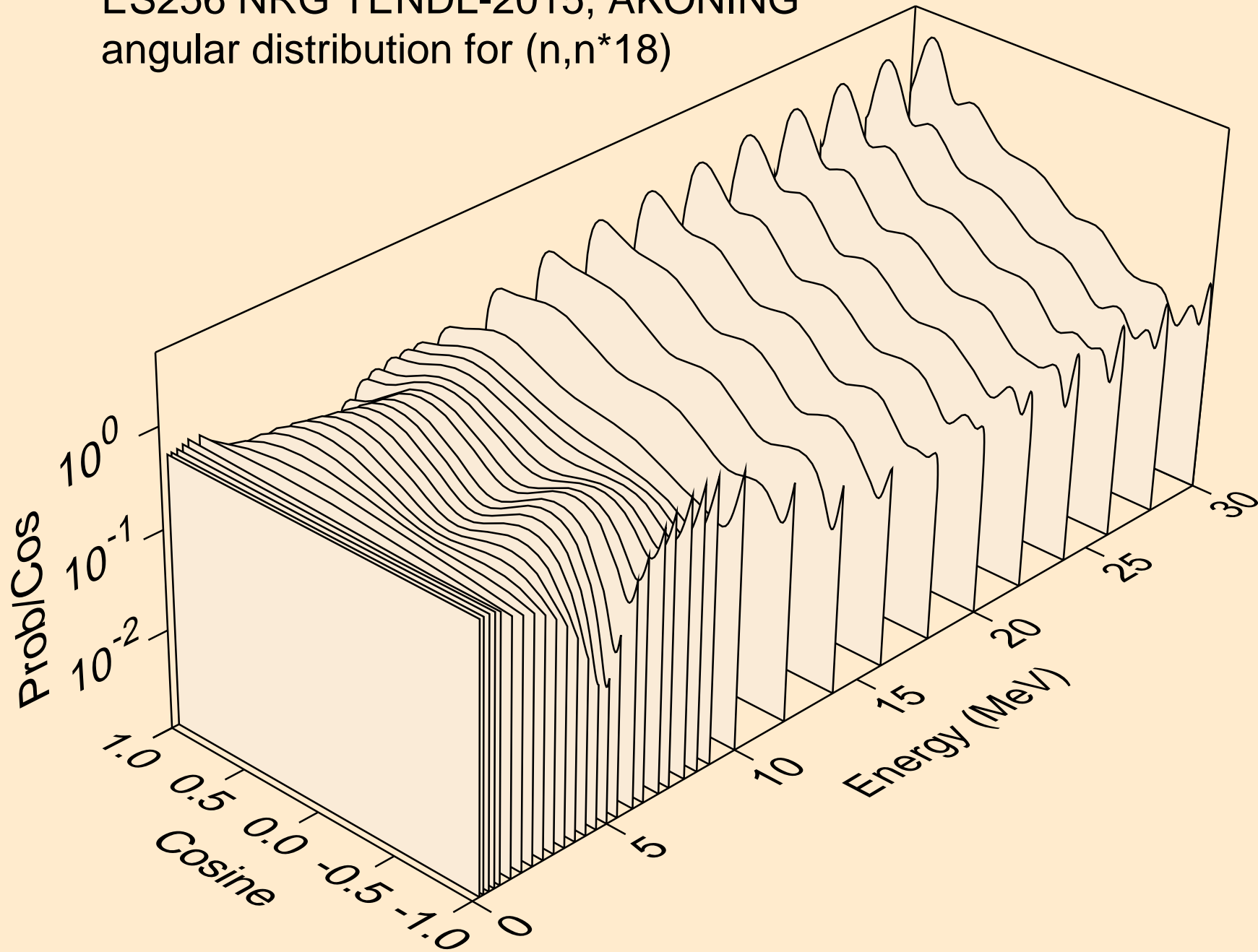


ES256 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)

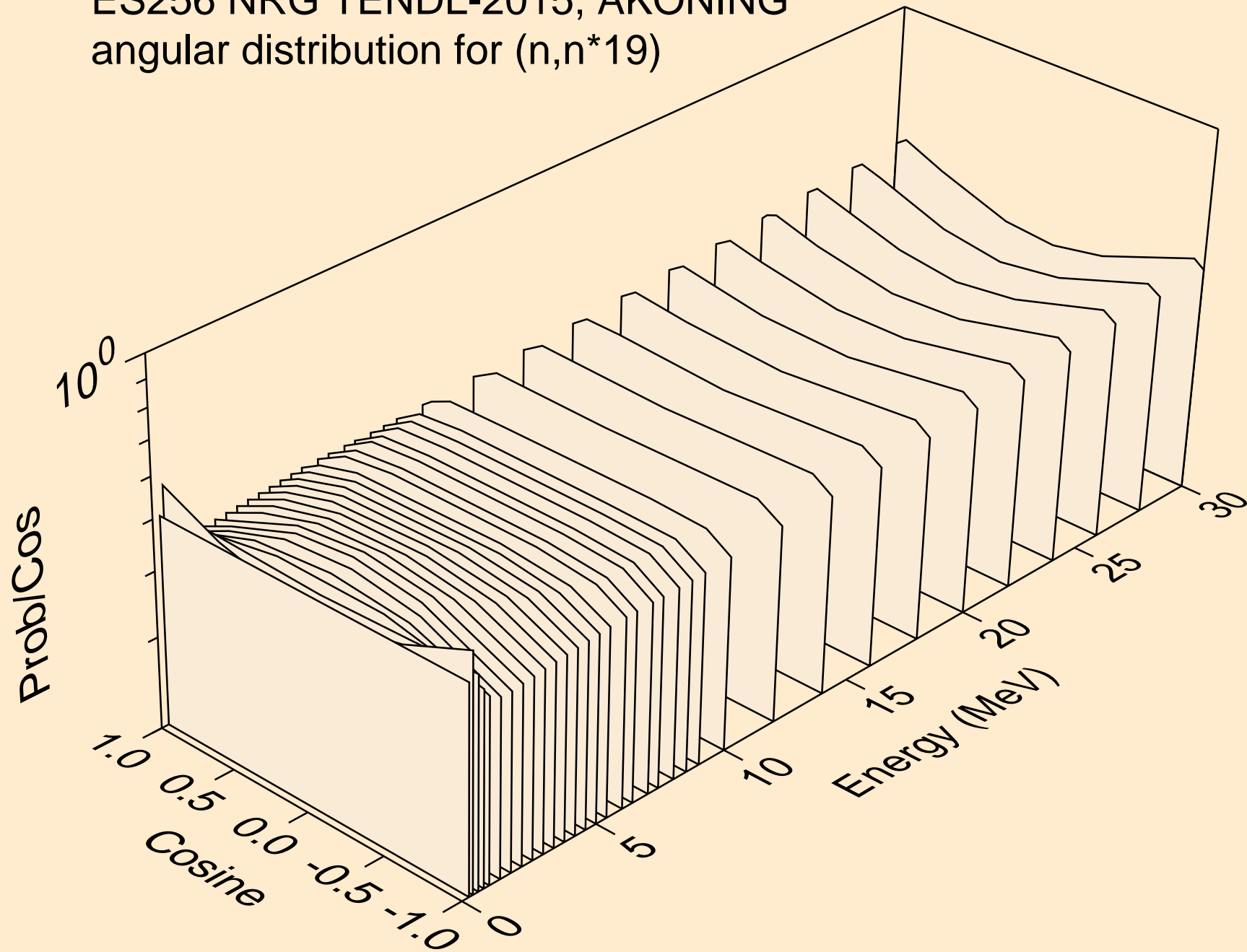




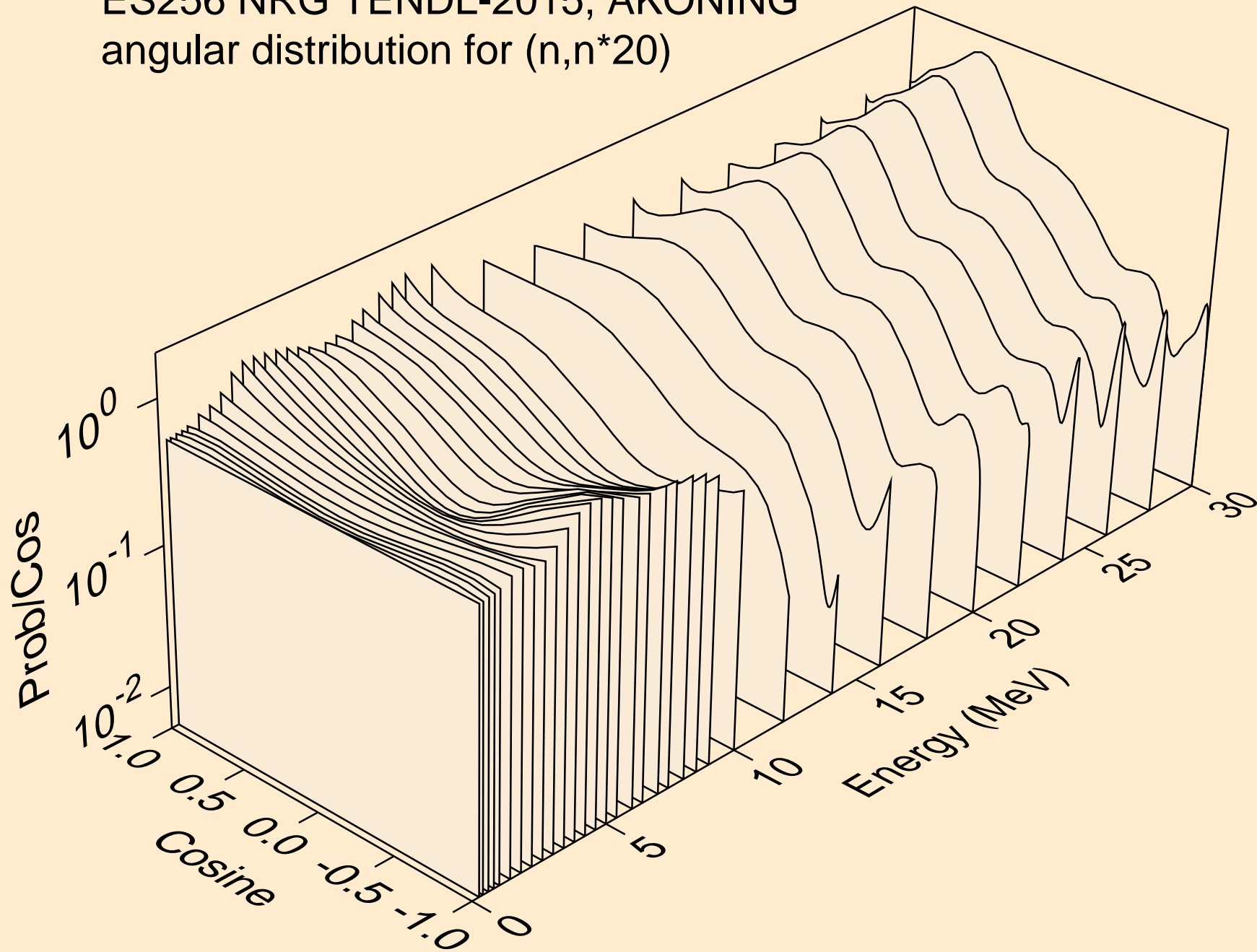
ES256 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



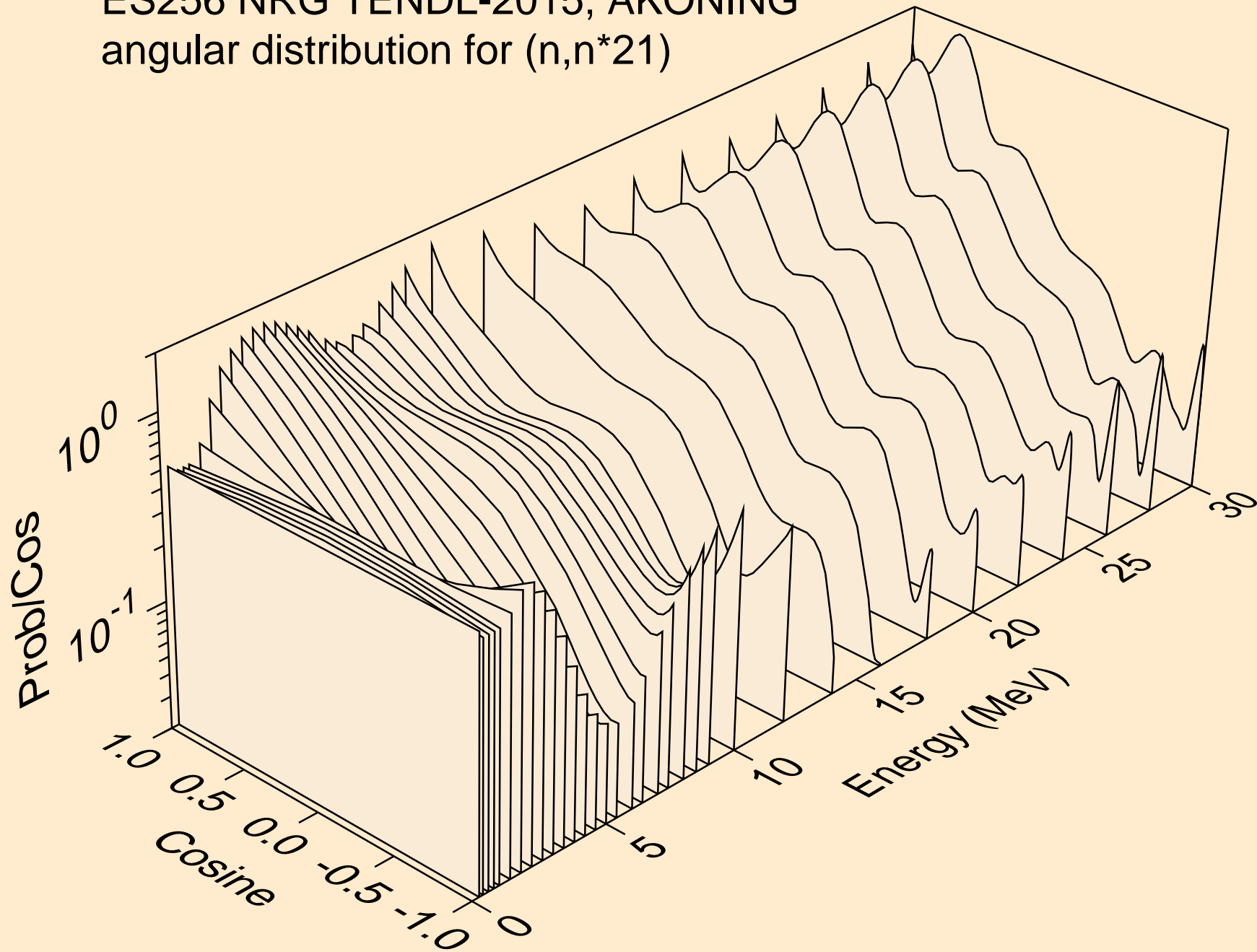
ES256 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



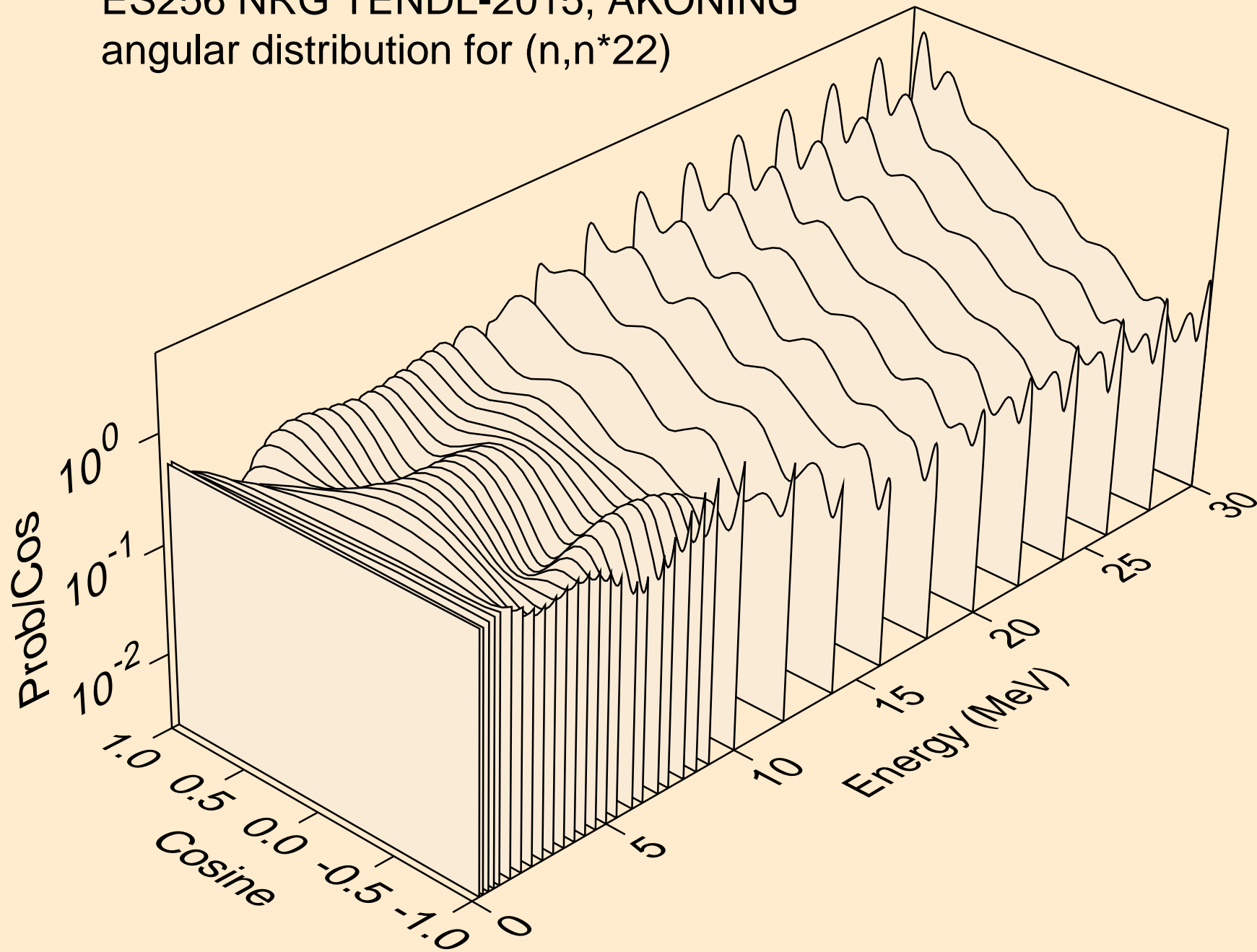
ES256 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



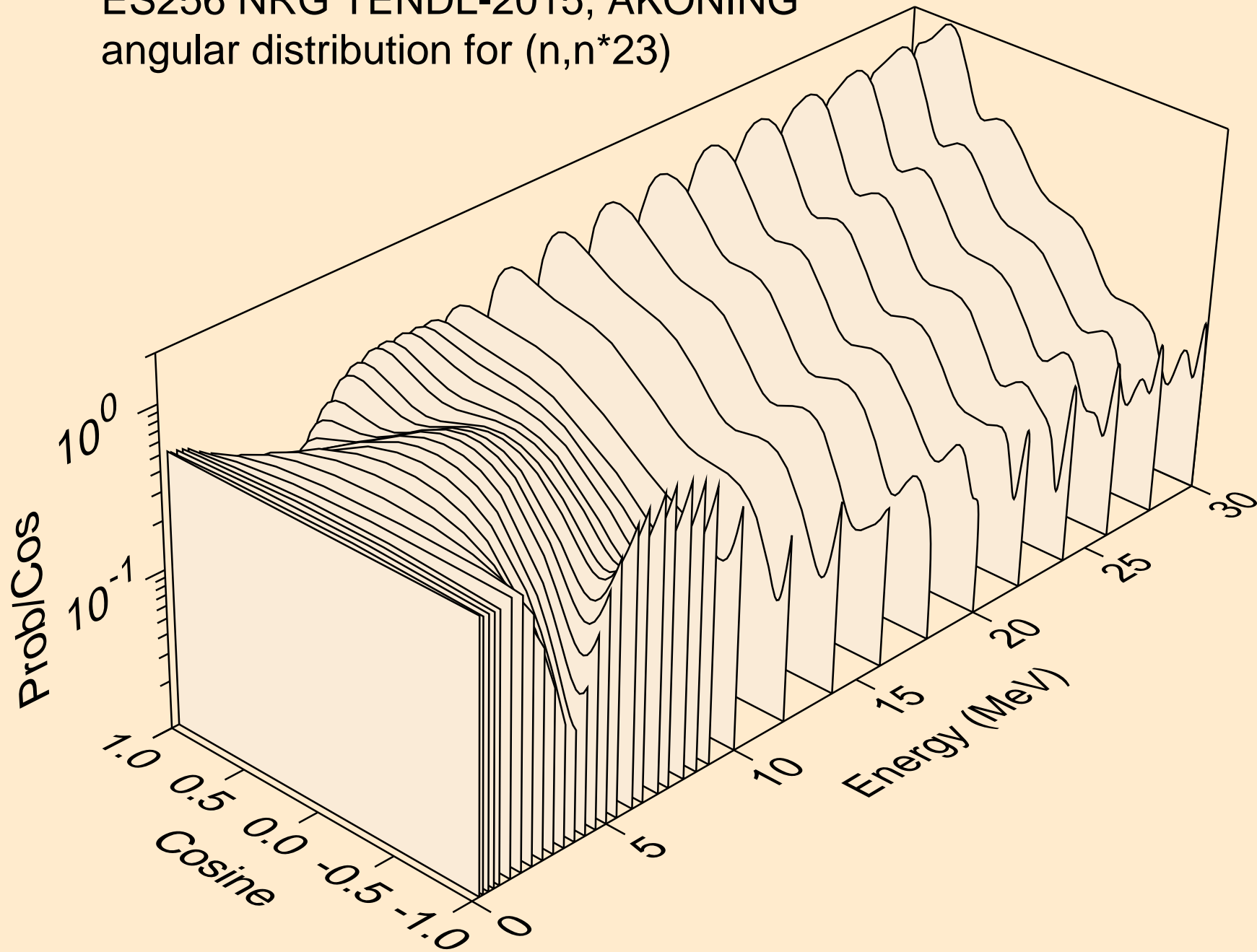
ES256 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)



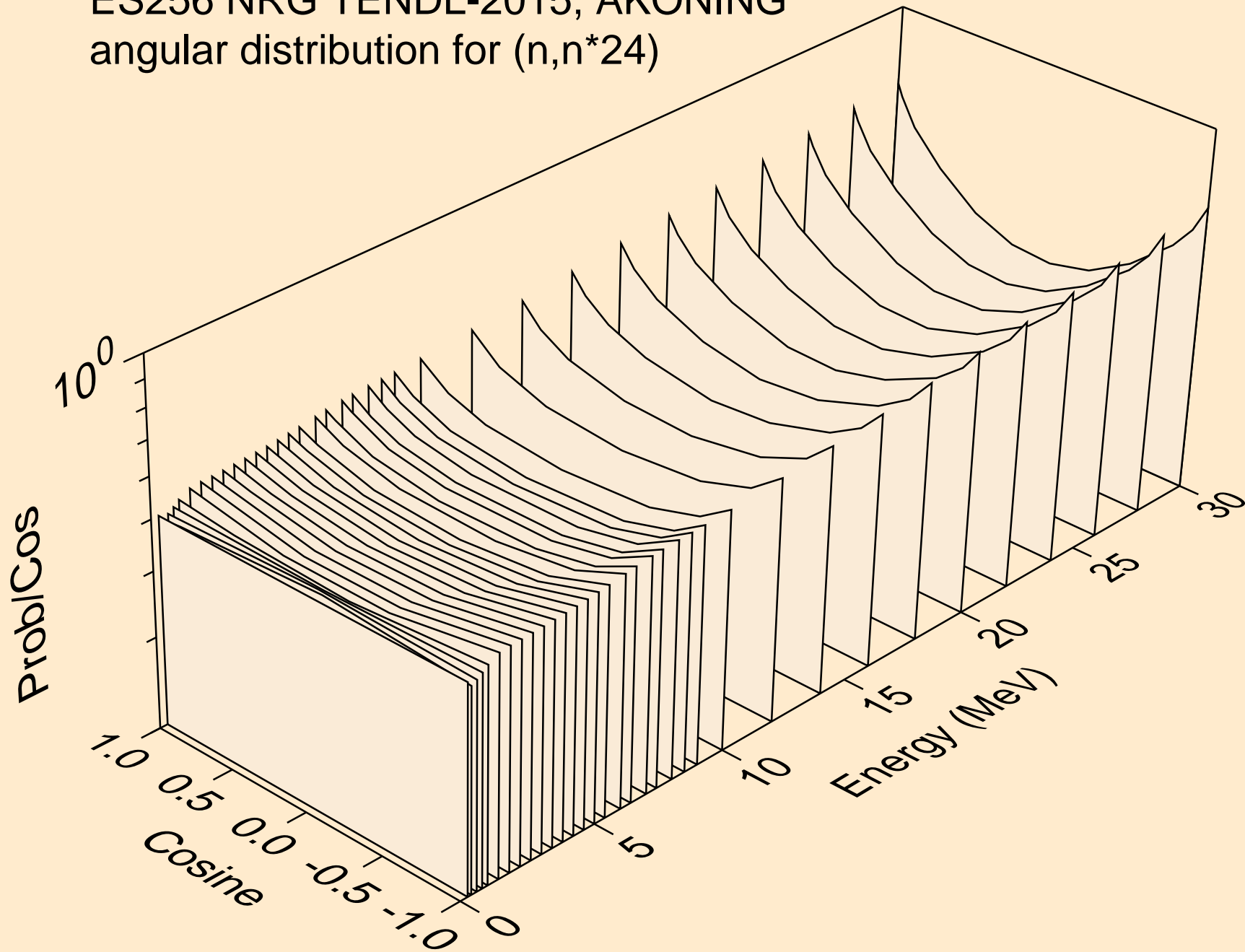
ES256 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)



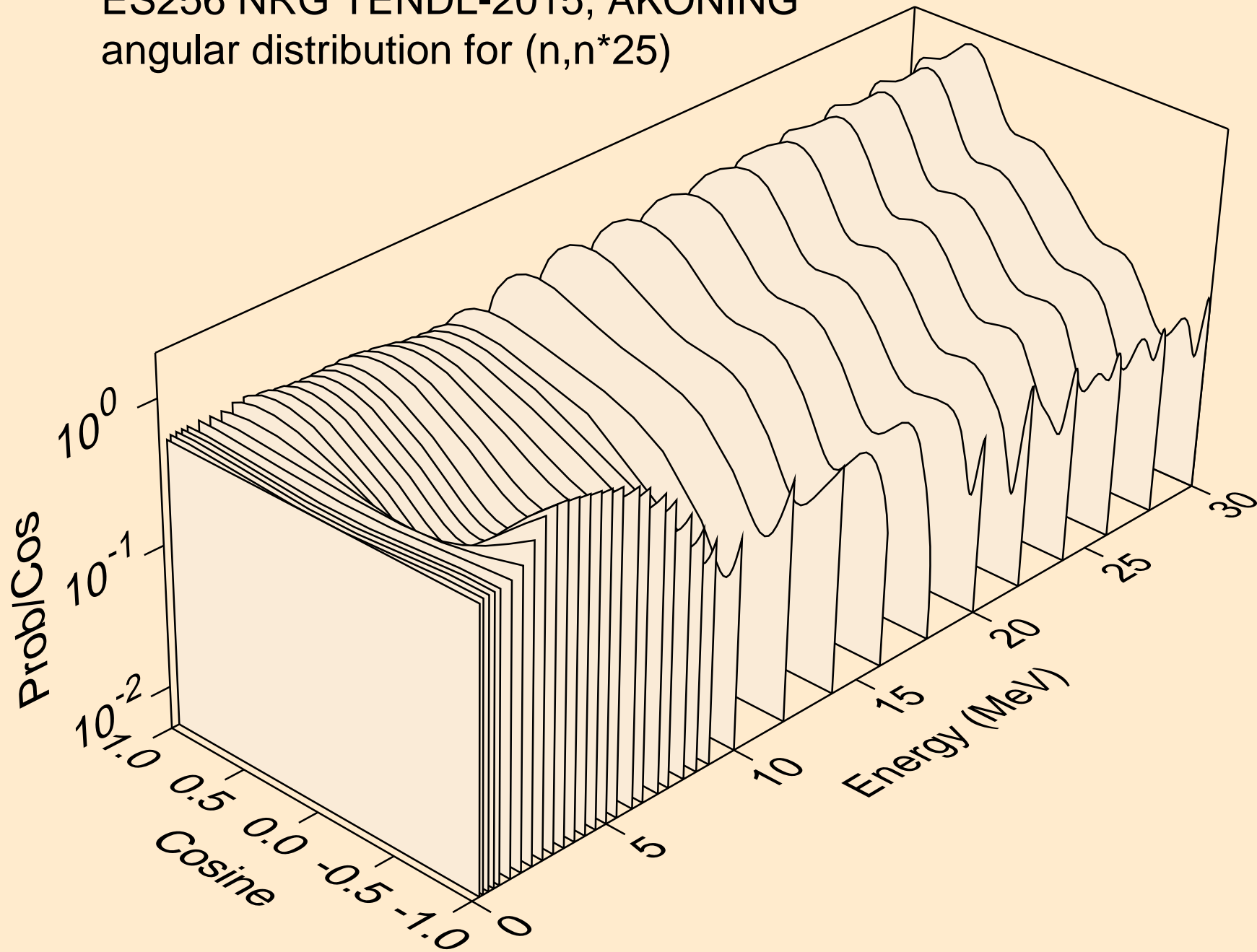
ES256 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)



ES256 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)

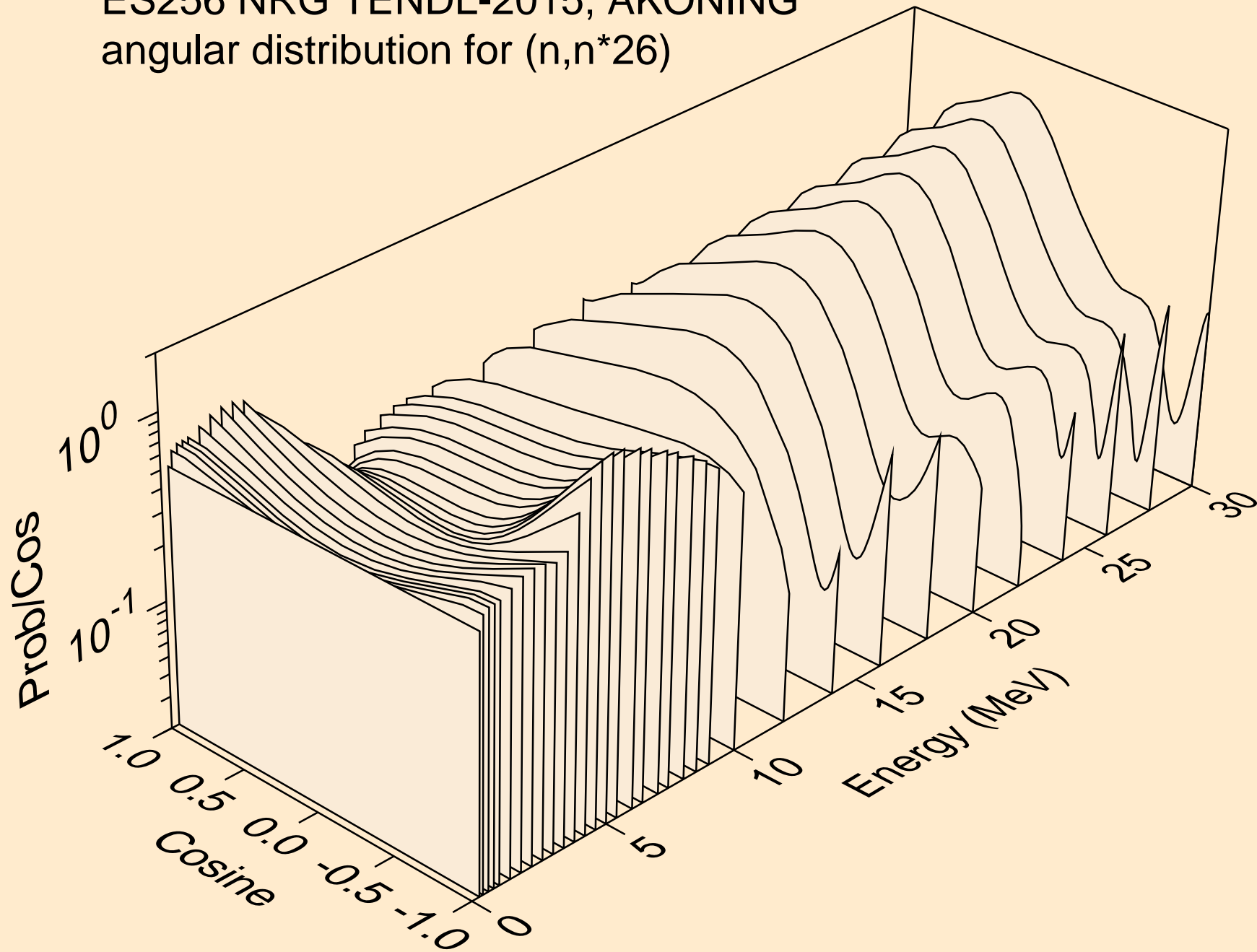


ES256 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)

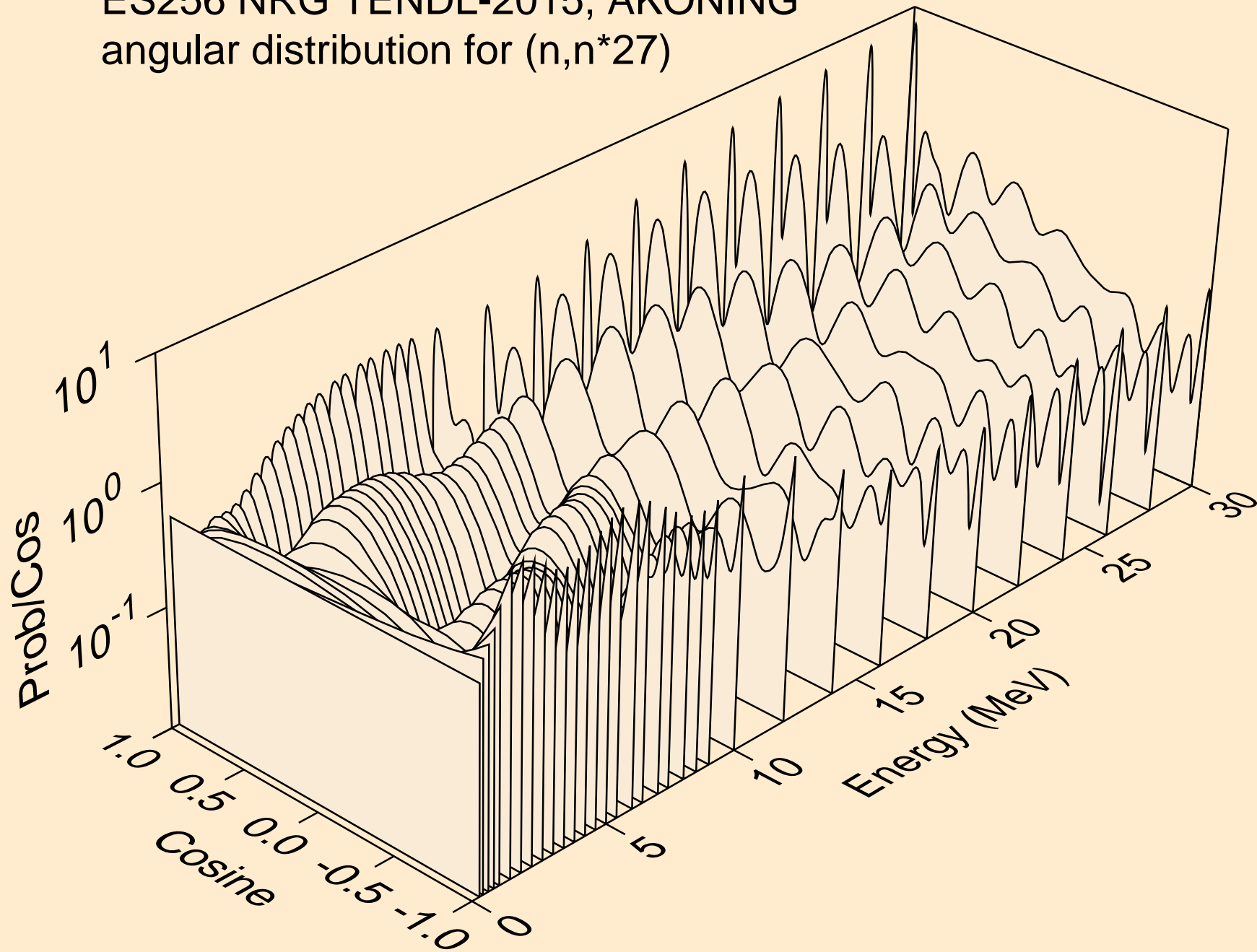




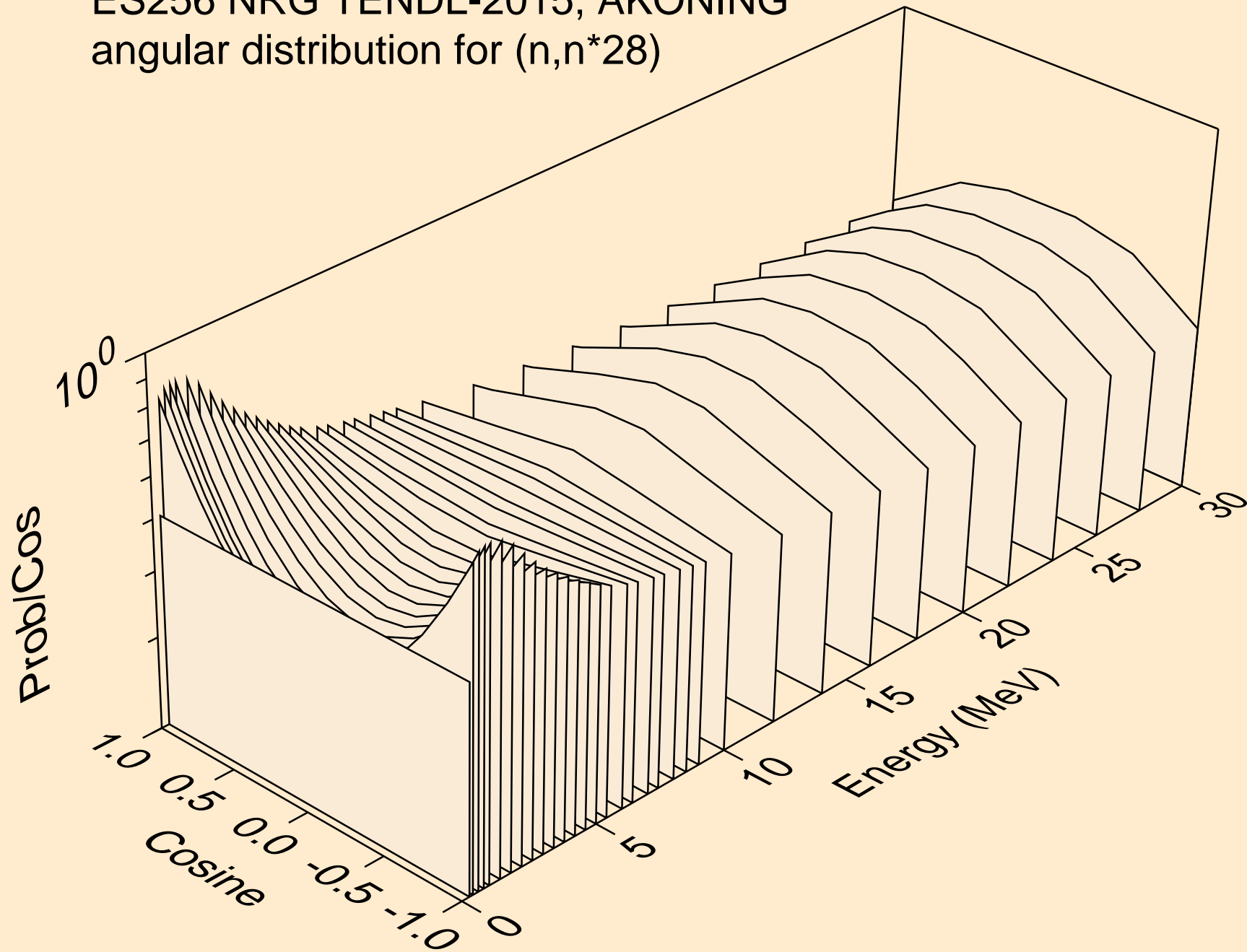
ES256 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



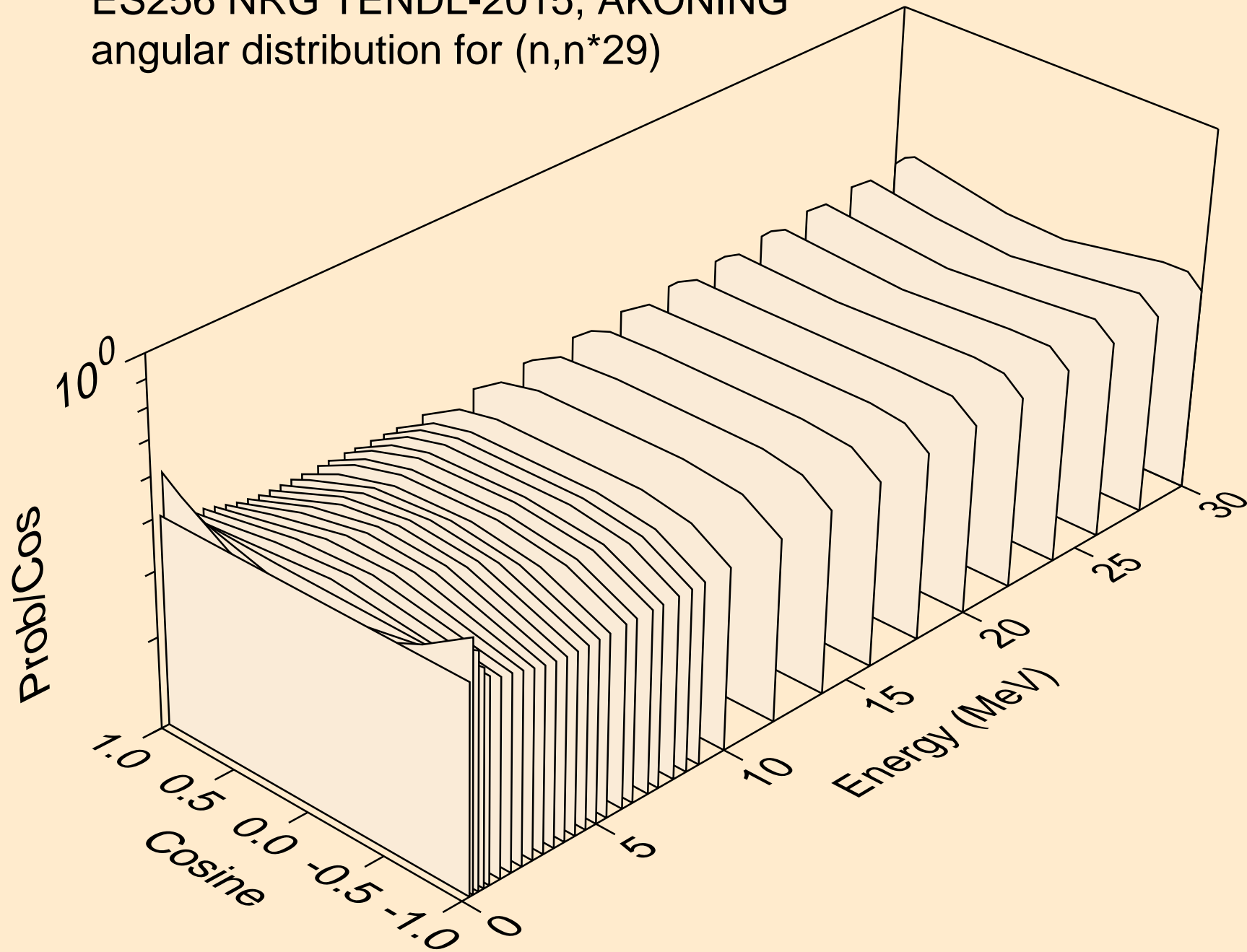
ES256 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*27)



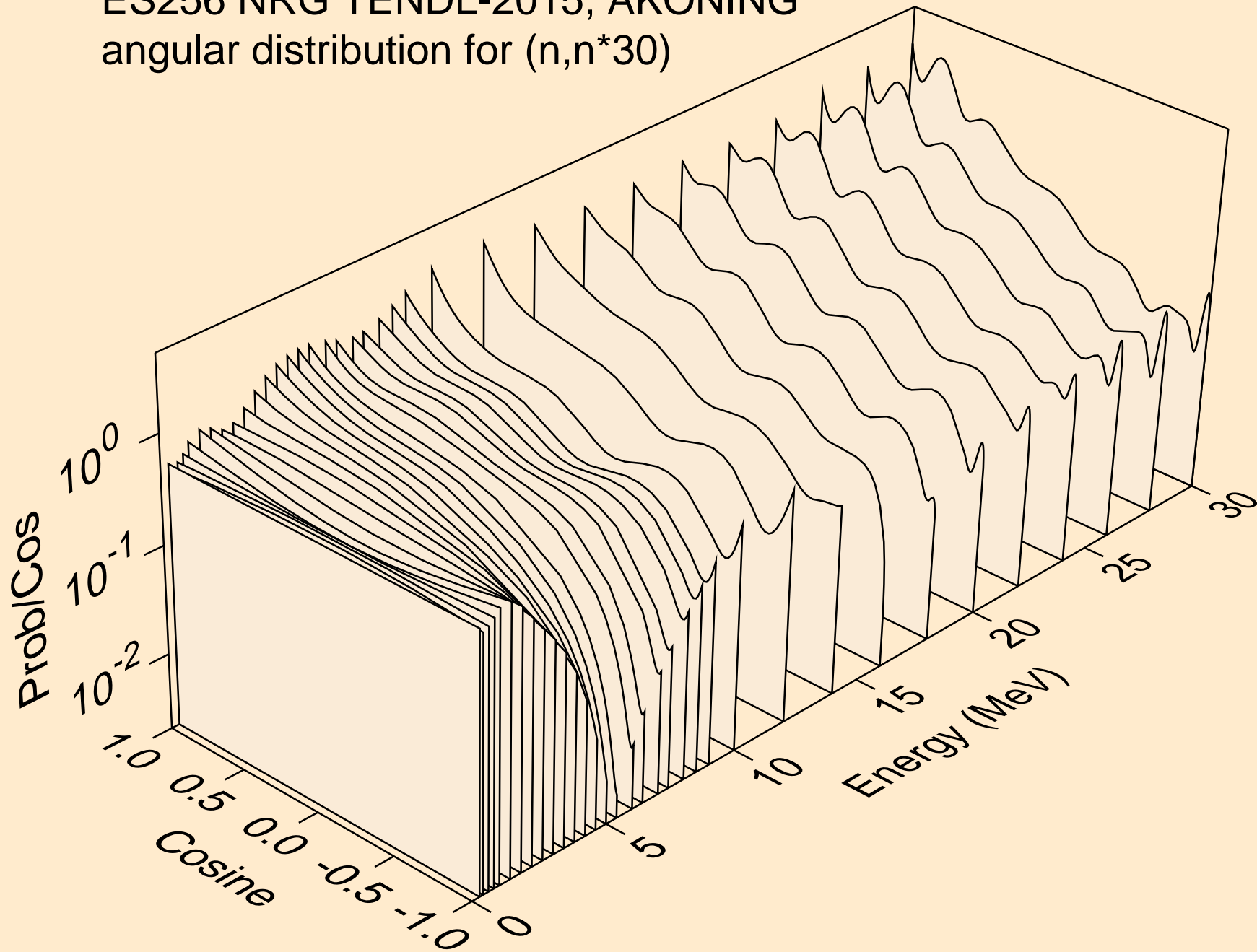
ES256 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)



ES256 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*29)

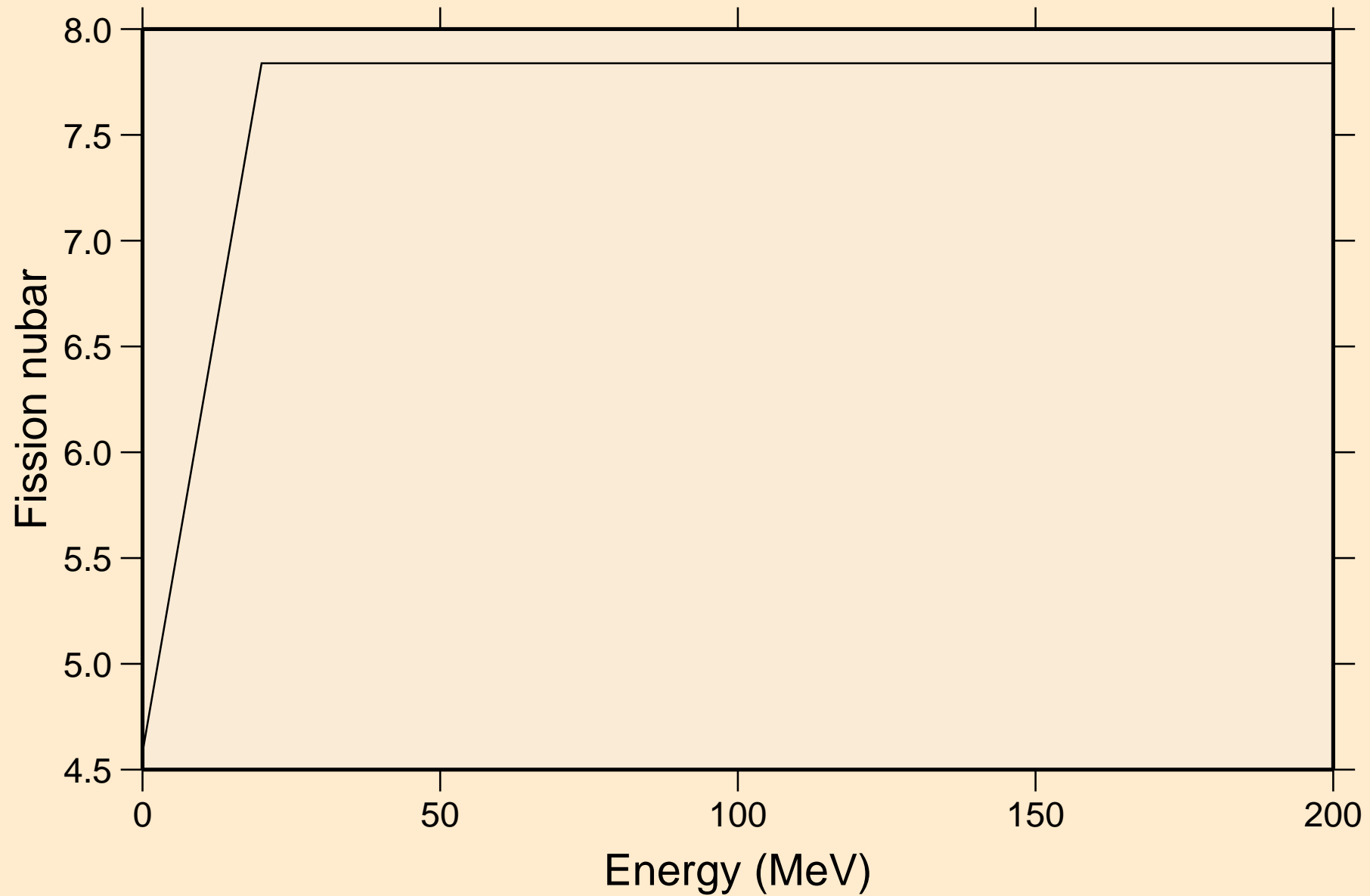


ES256 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*30)

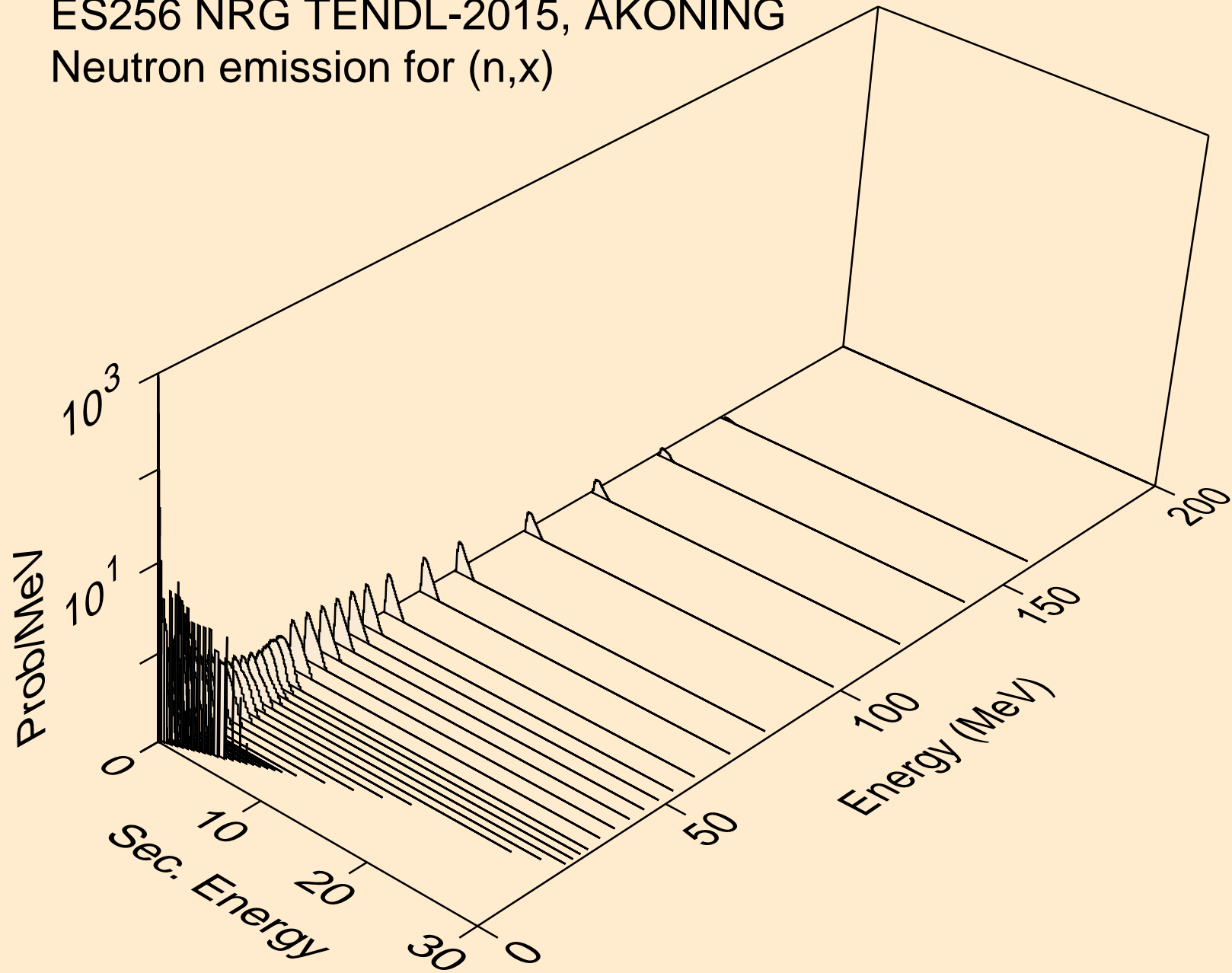


# ES256 NRG TENDL-2015, AKONING

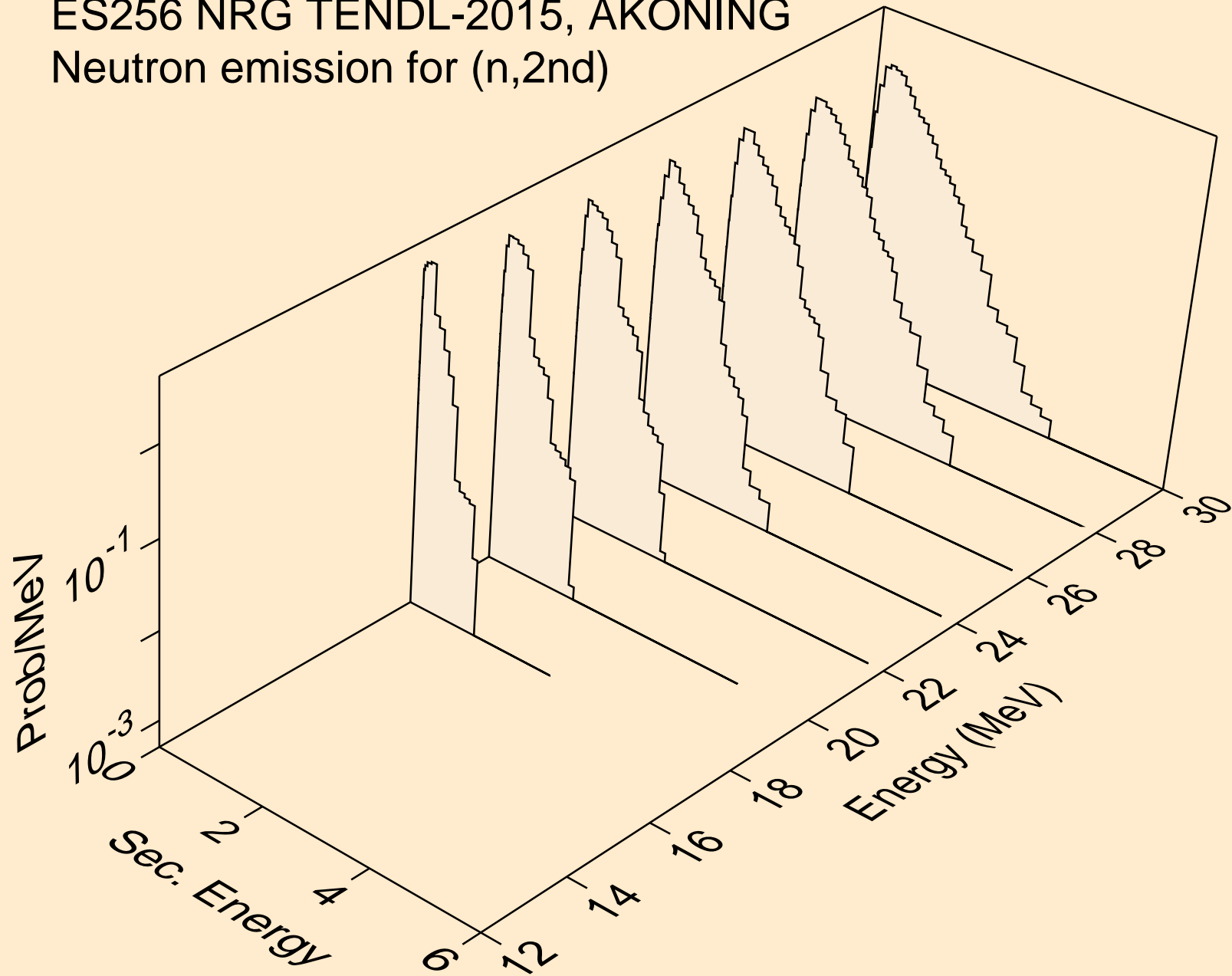
Total fission nubar



ES256 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)

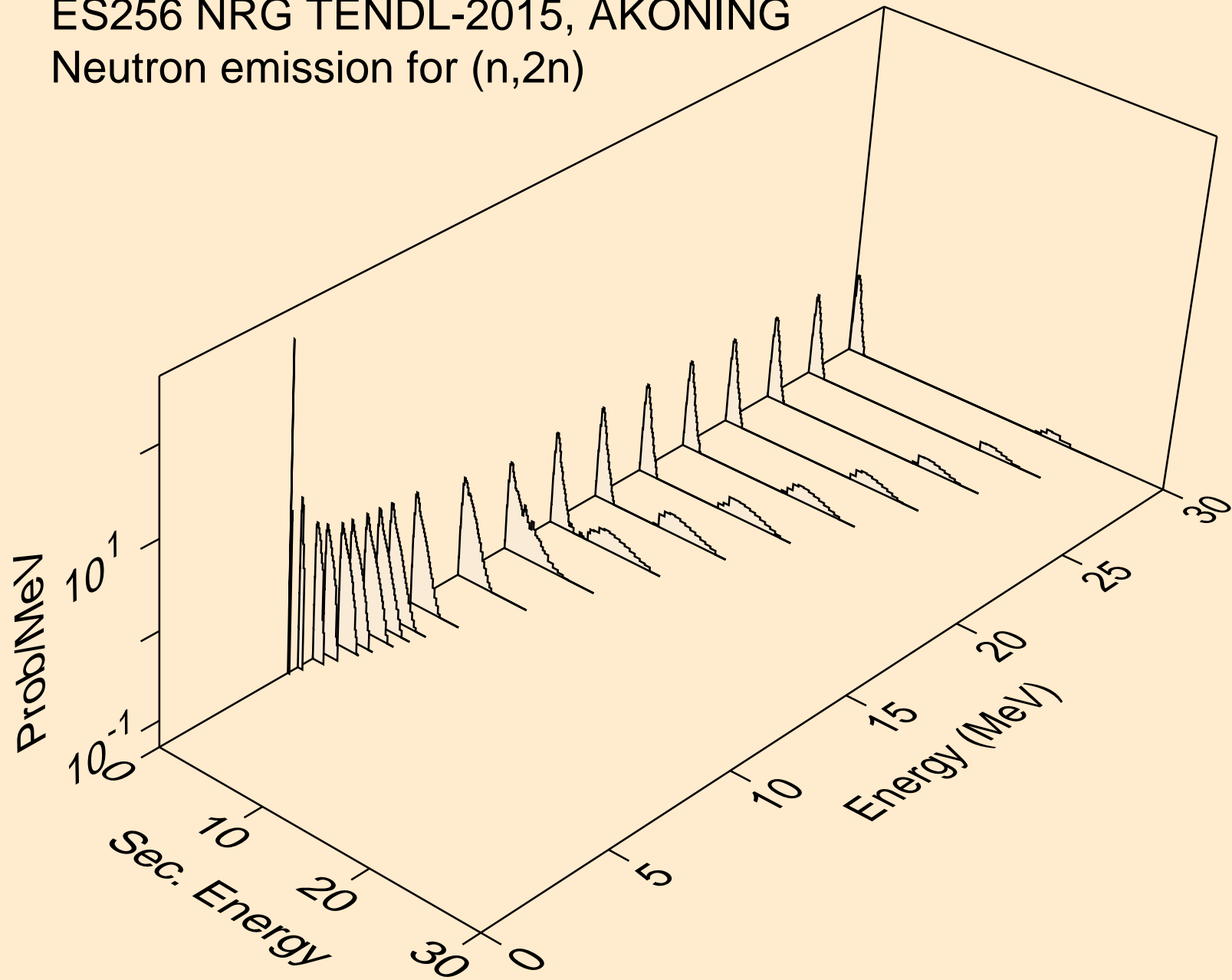


ES256 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)

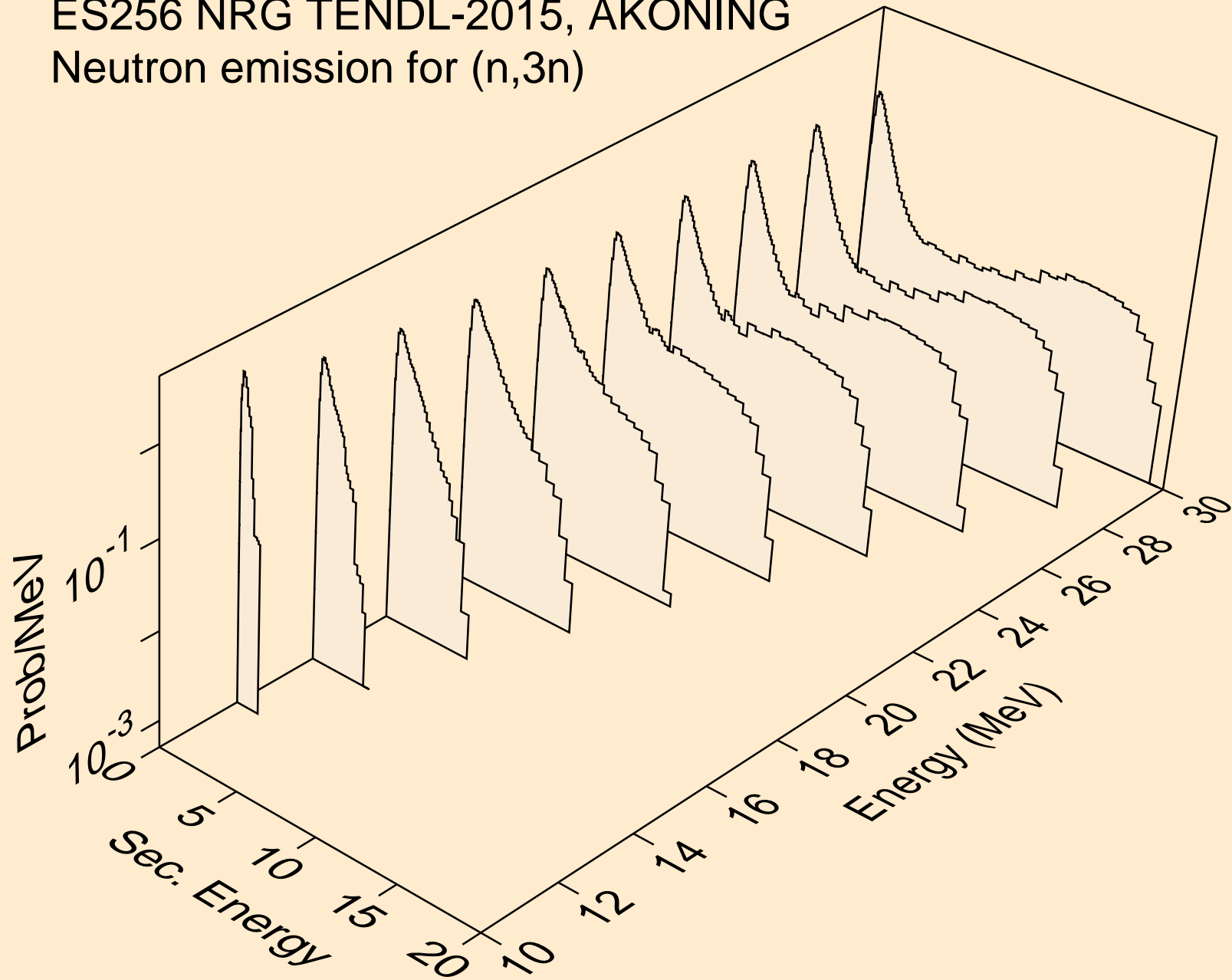




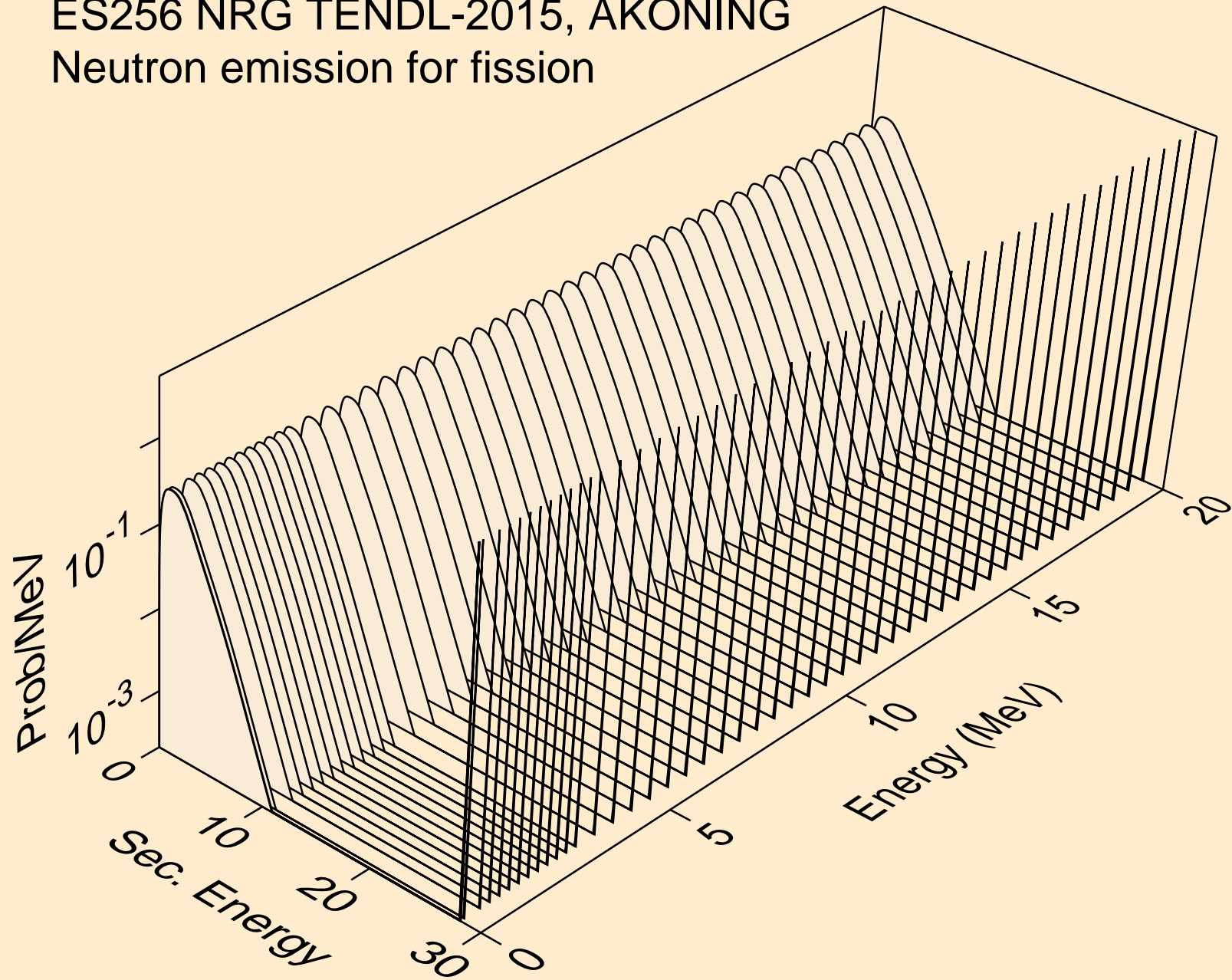
ES256 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



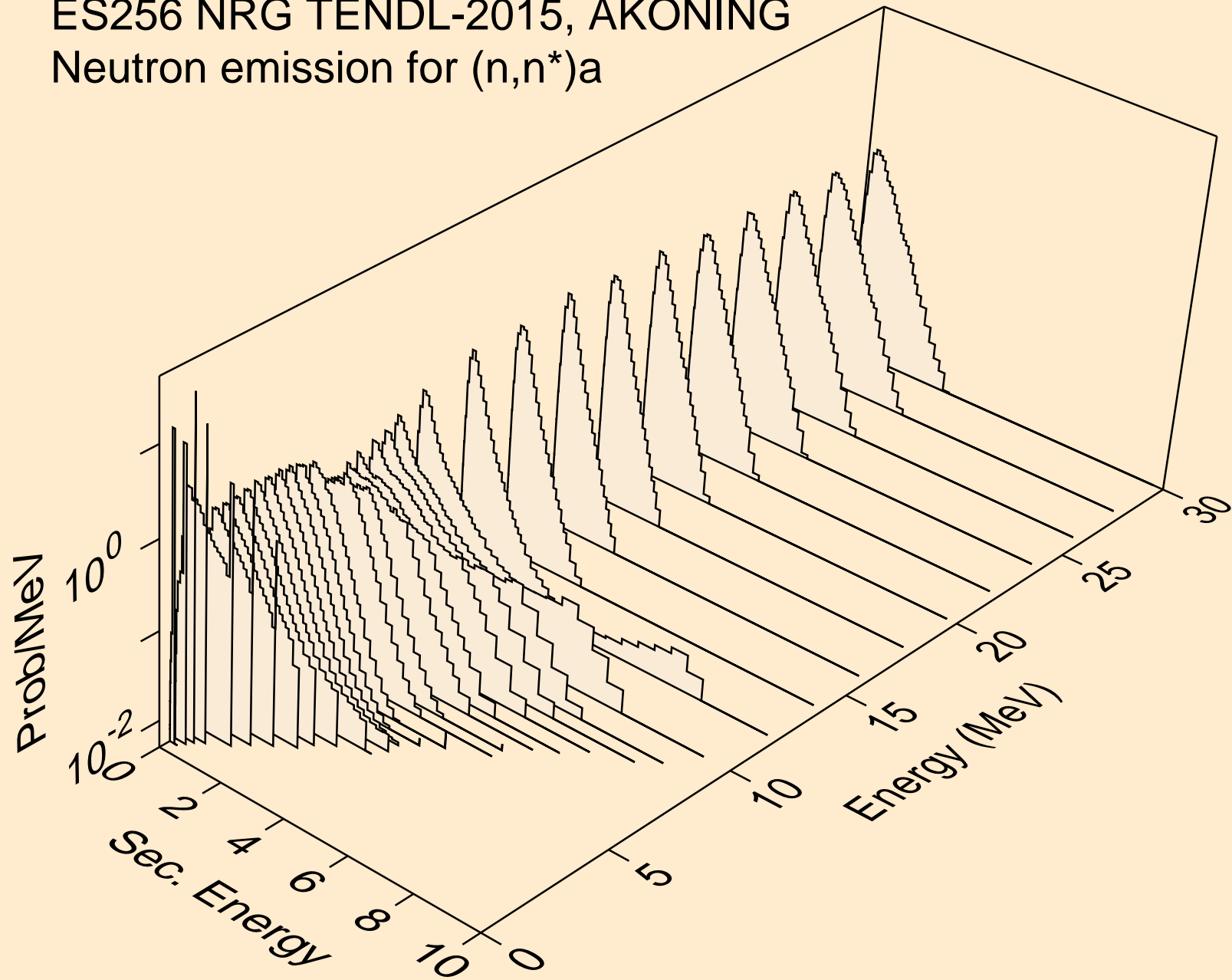
ES256 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



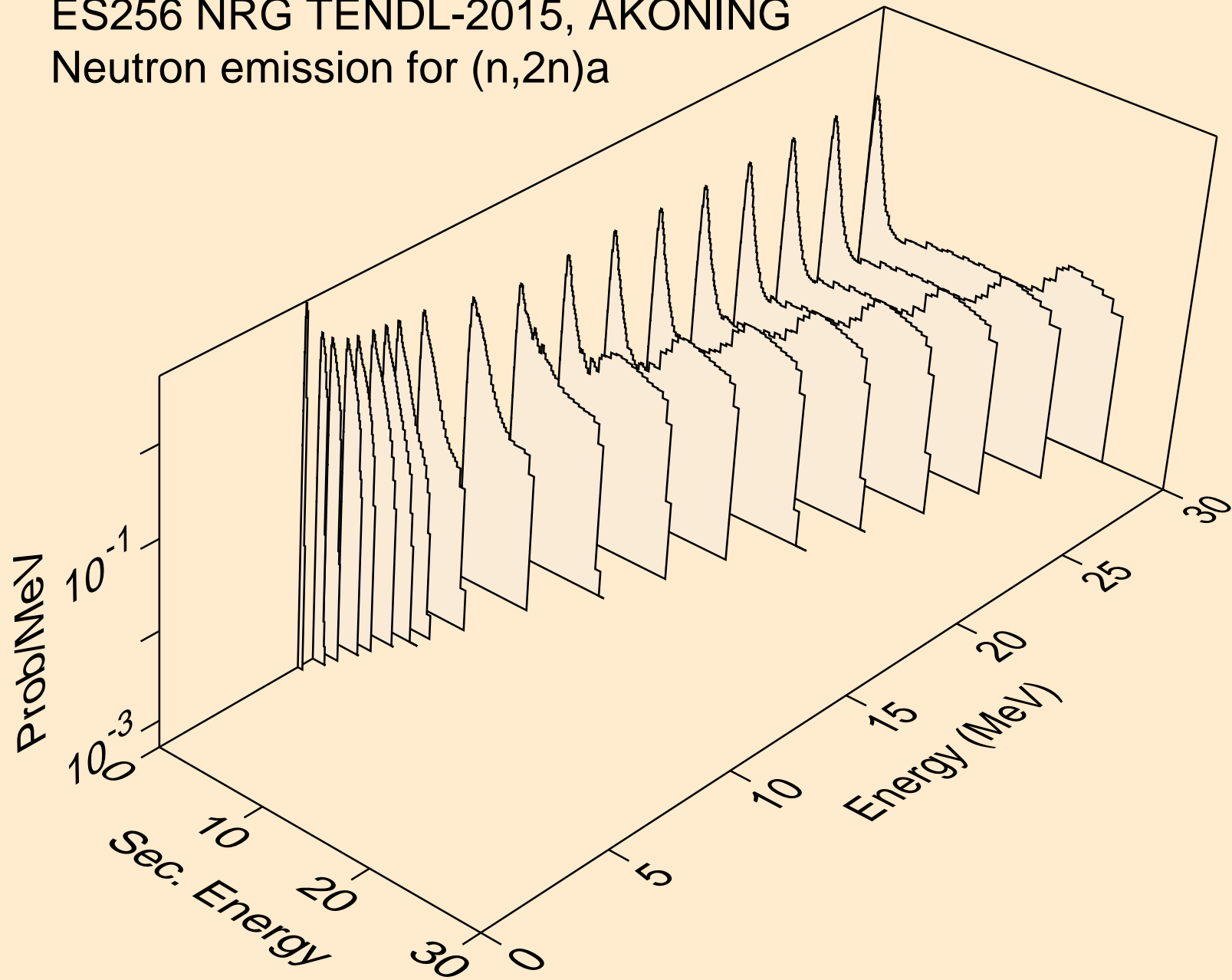
ES256 NRG TENDL-2015, AKONING  
Neutron emission for fission



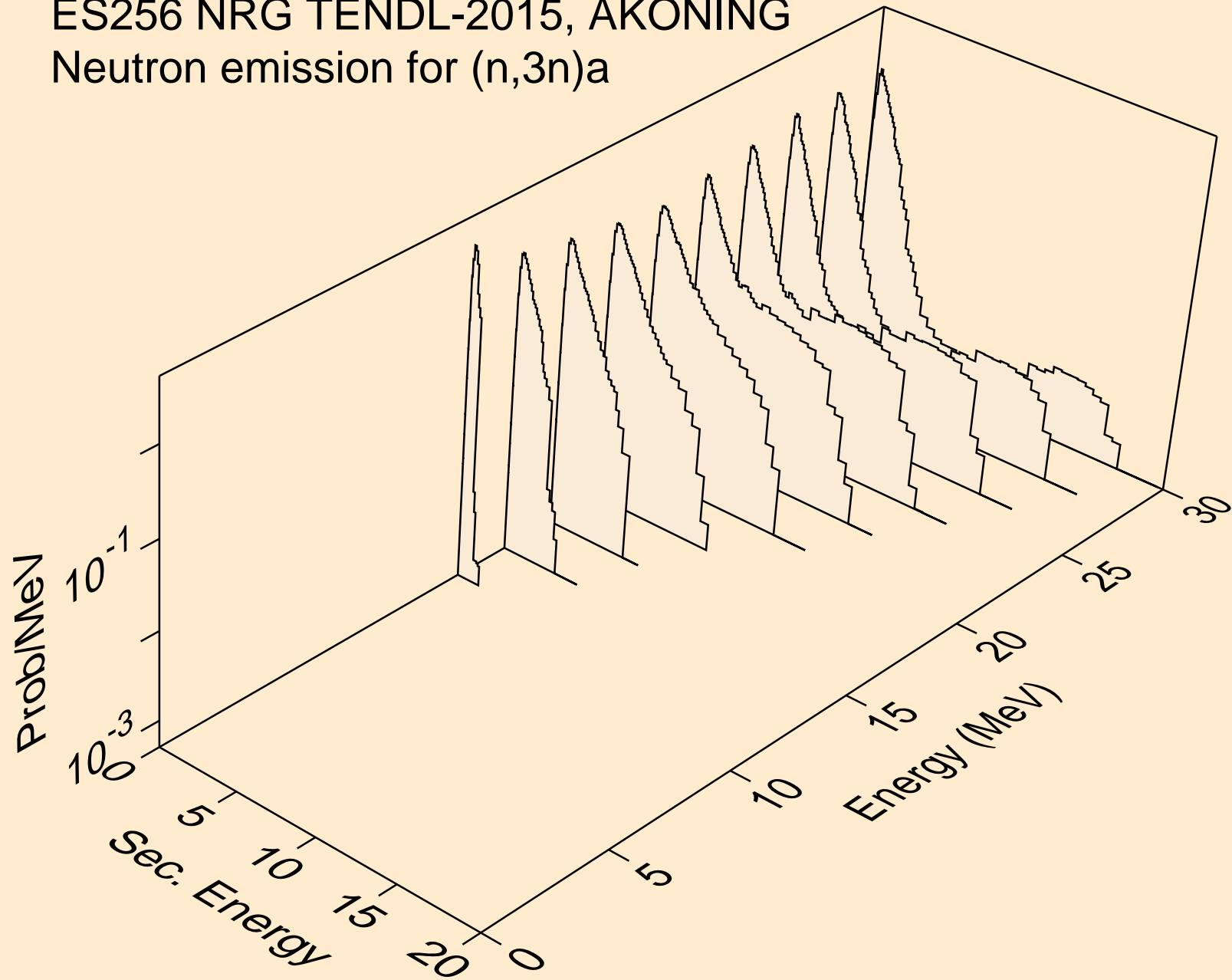
ES256 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



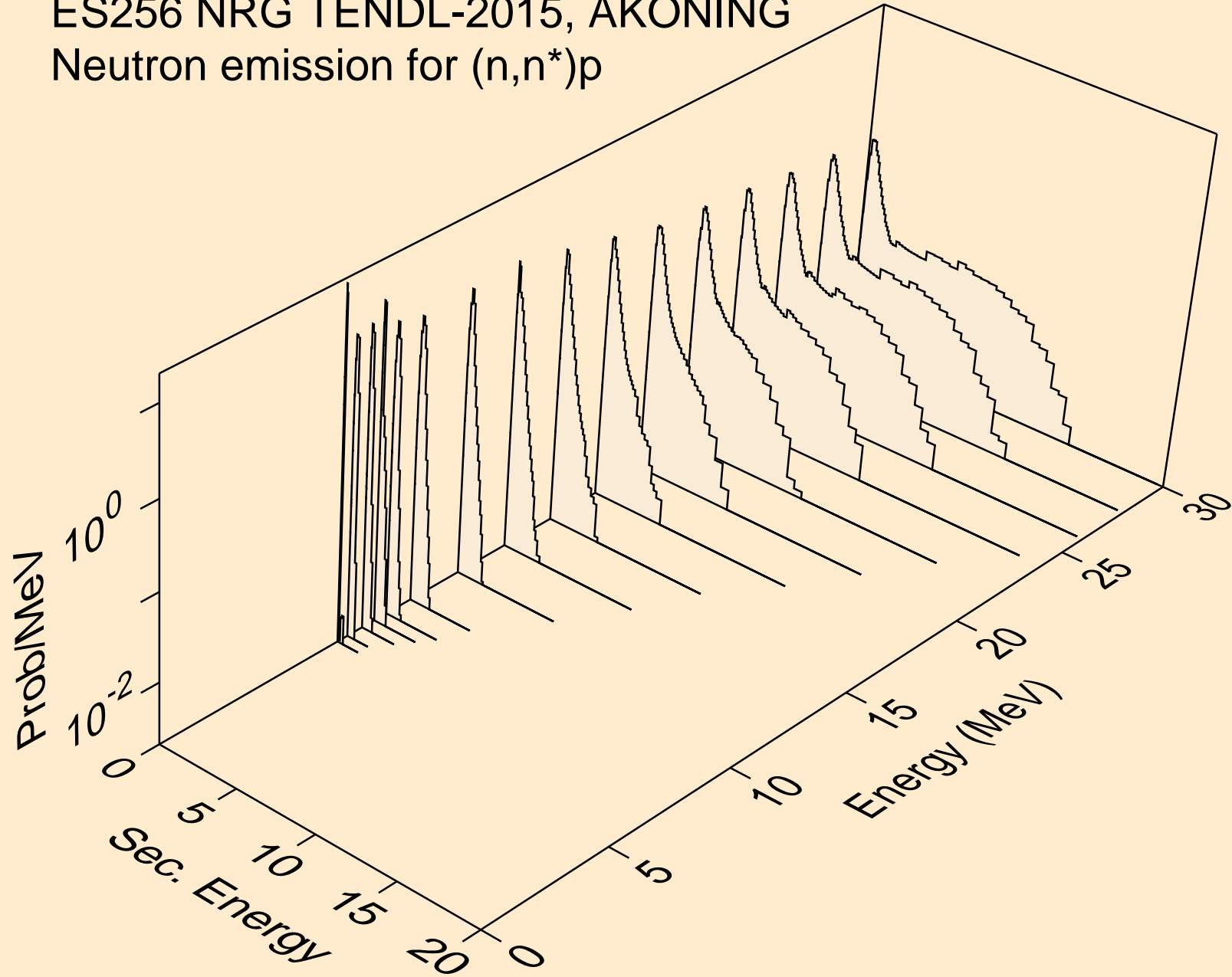
ES256 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



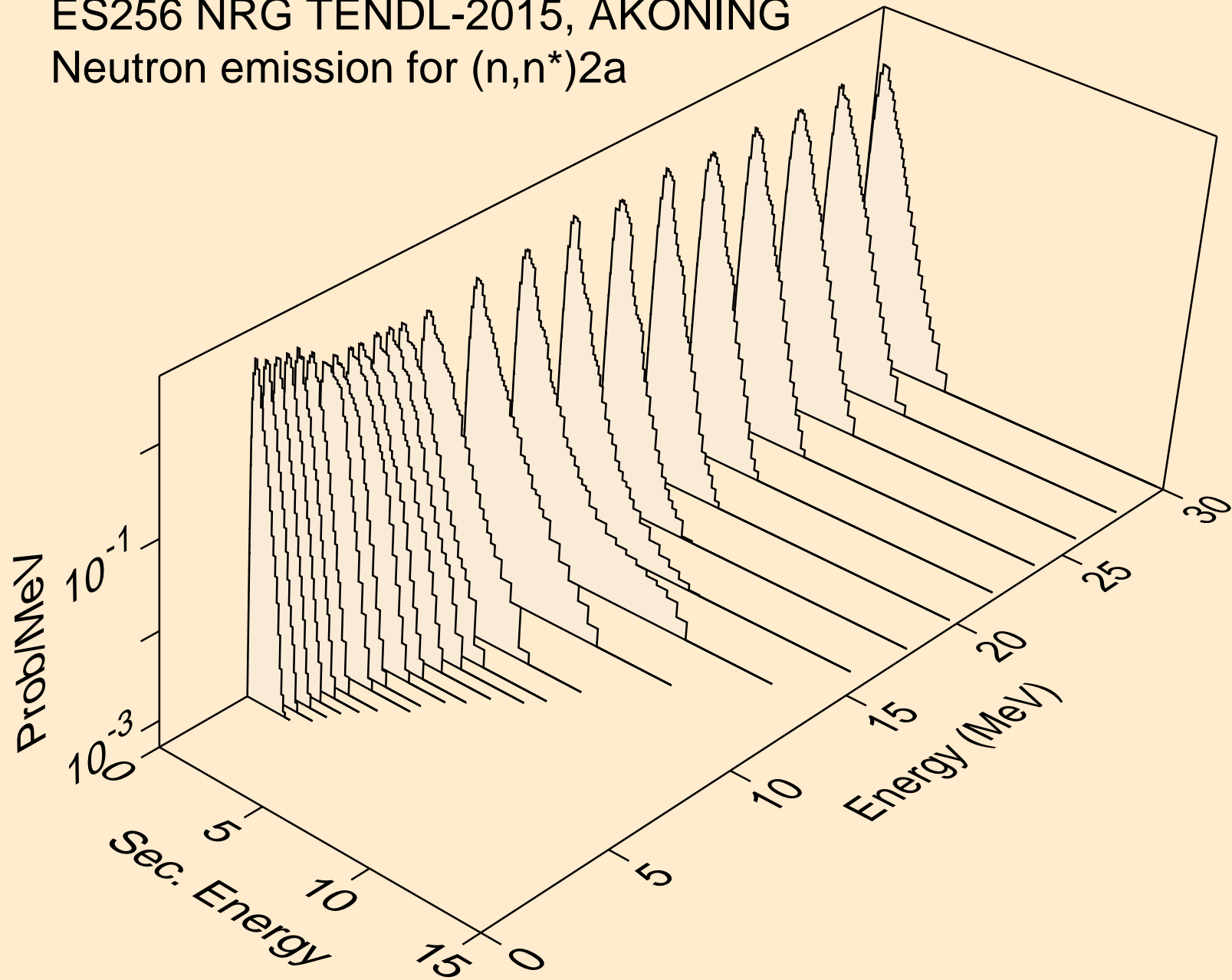
ES256 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



ES256 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p

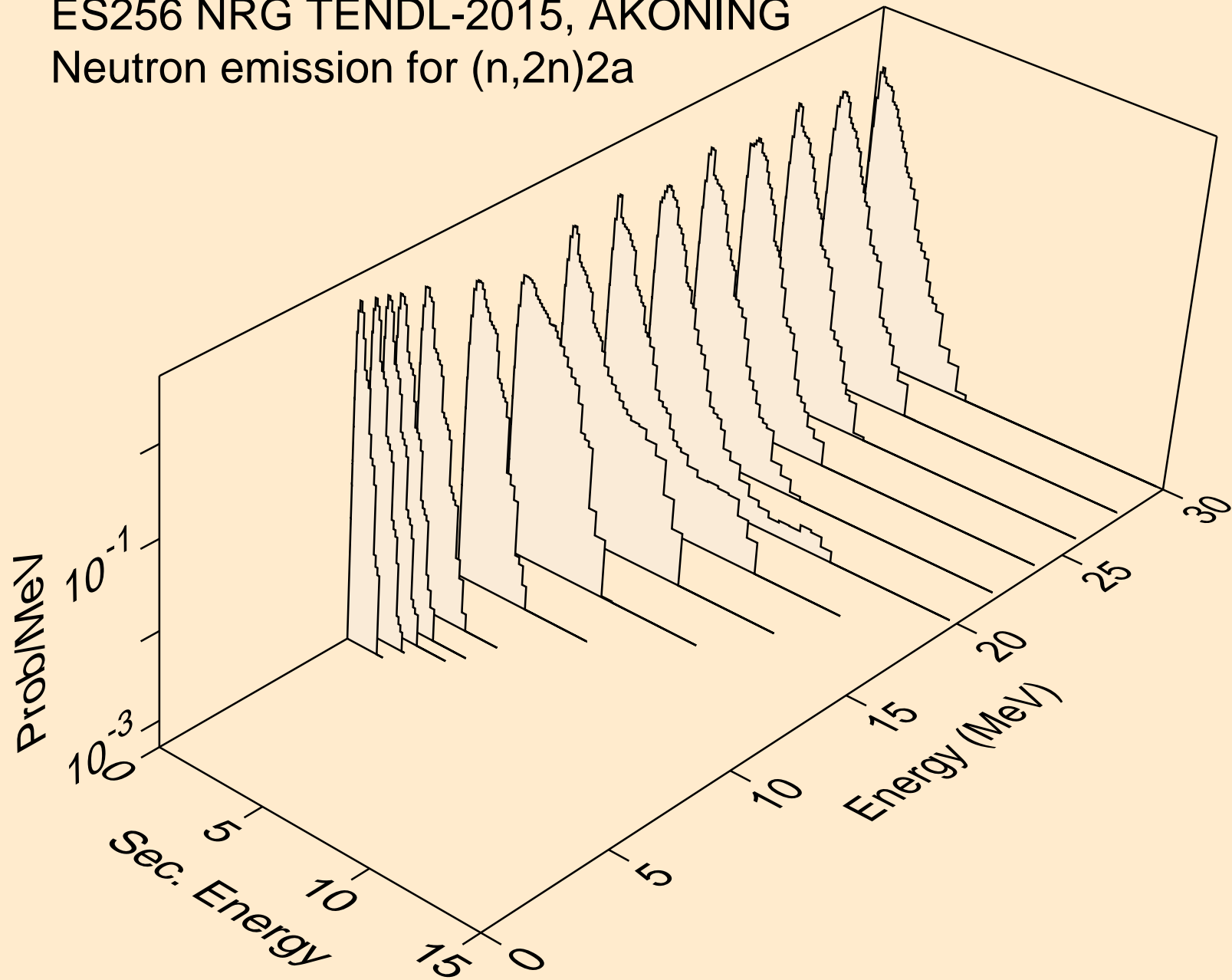


ES256 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a

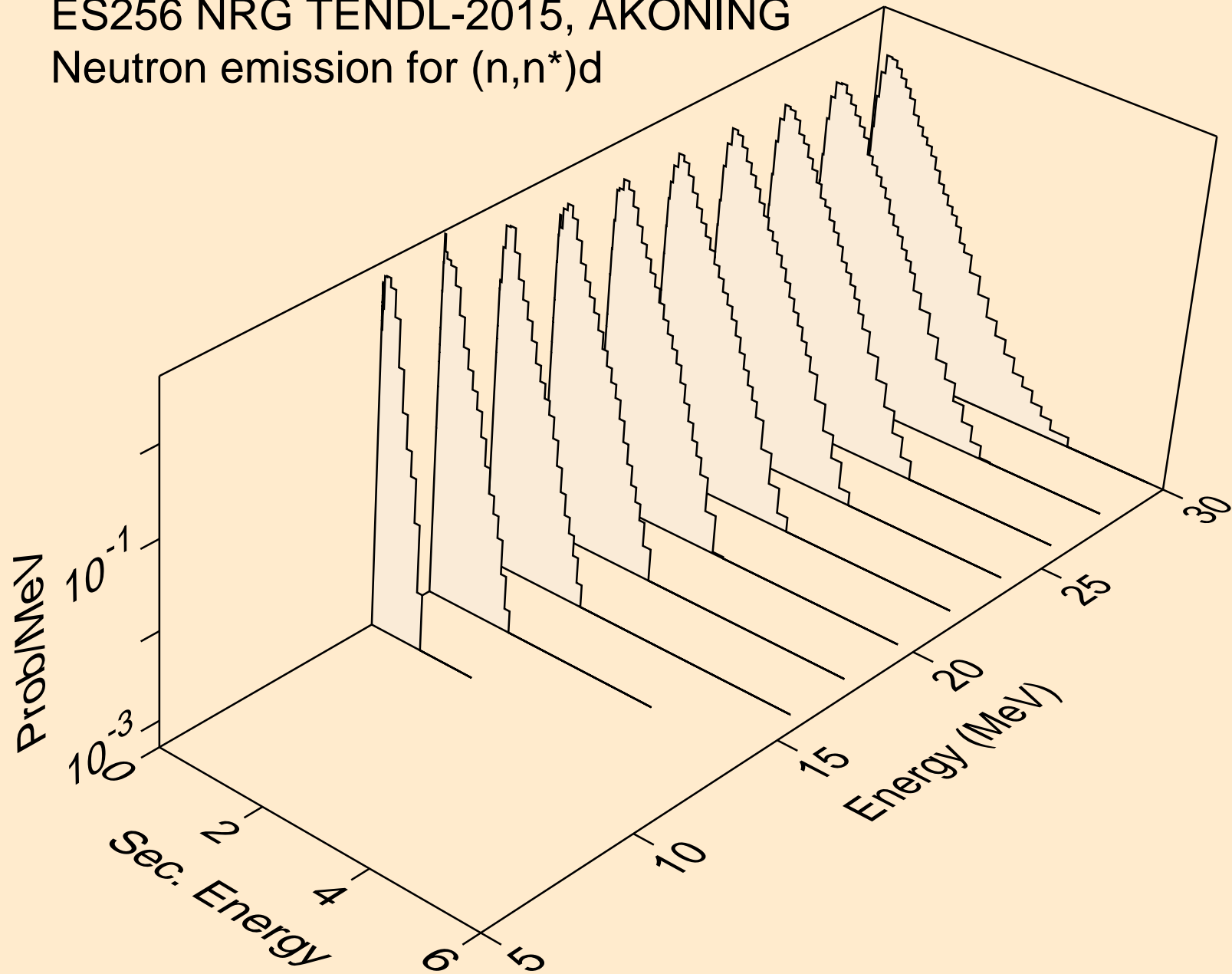




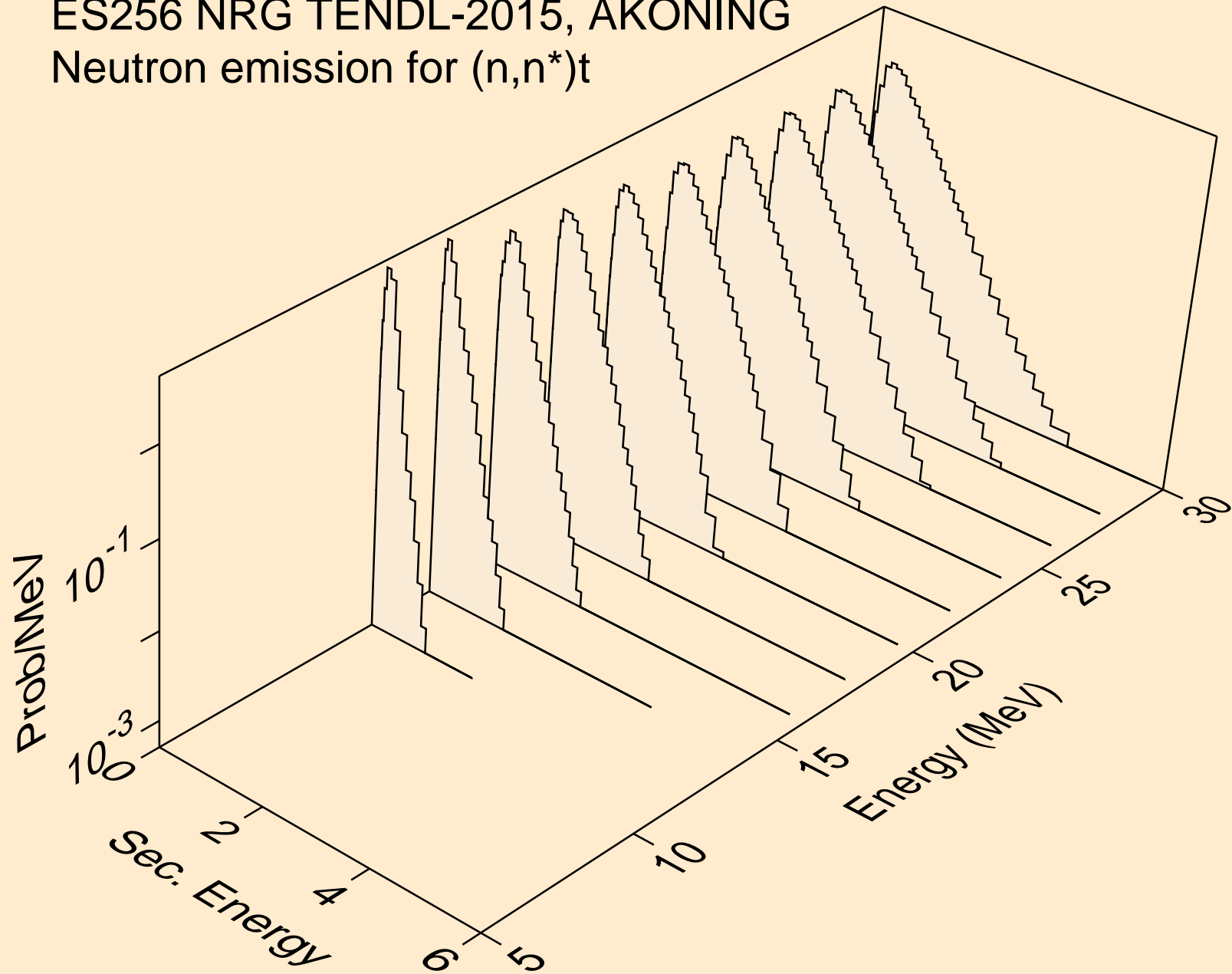
ES256 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)2a



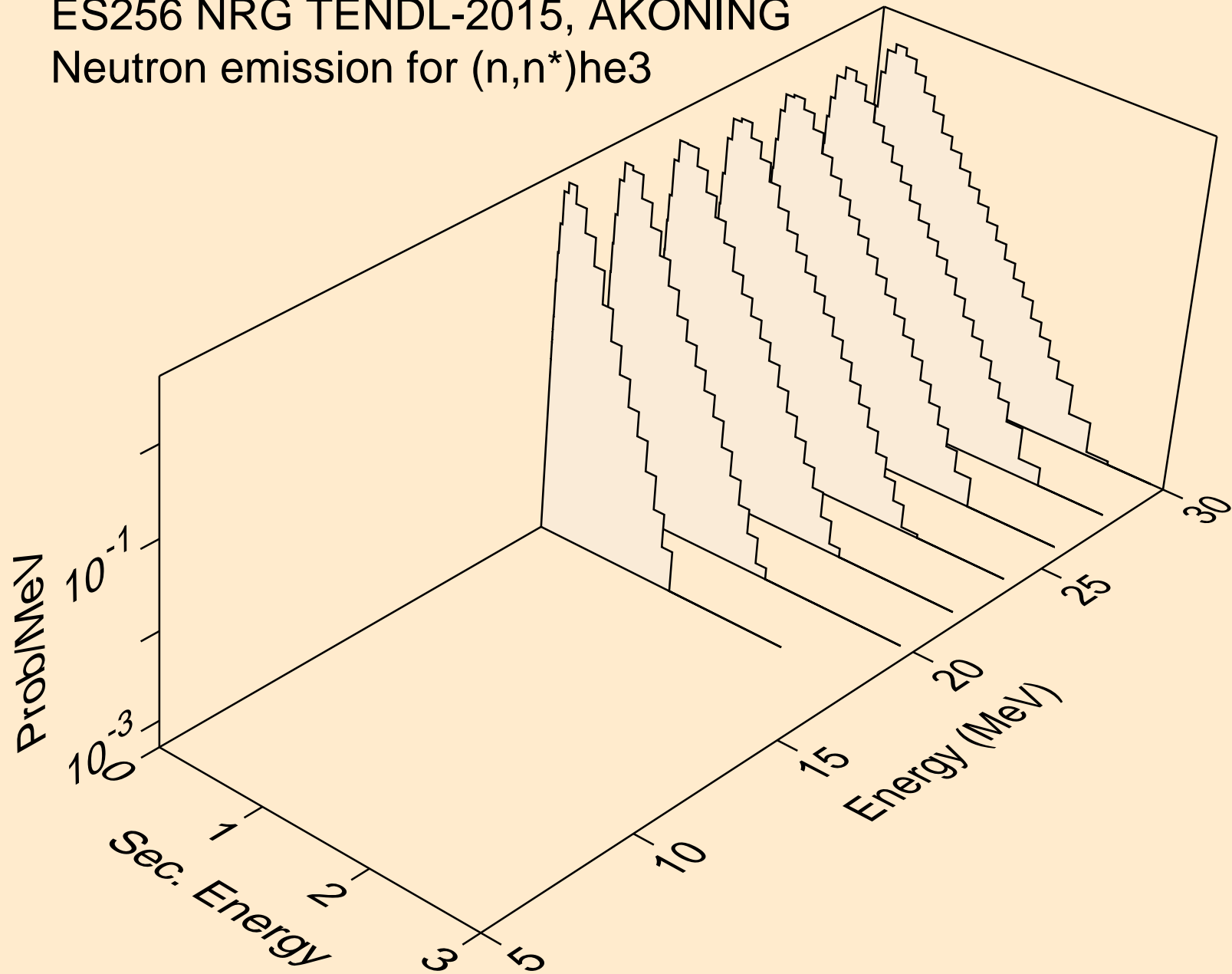
ES256 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



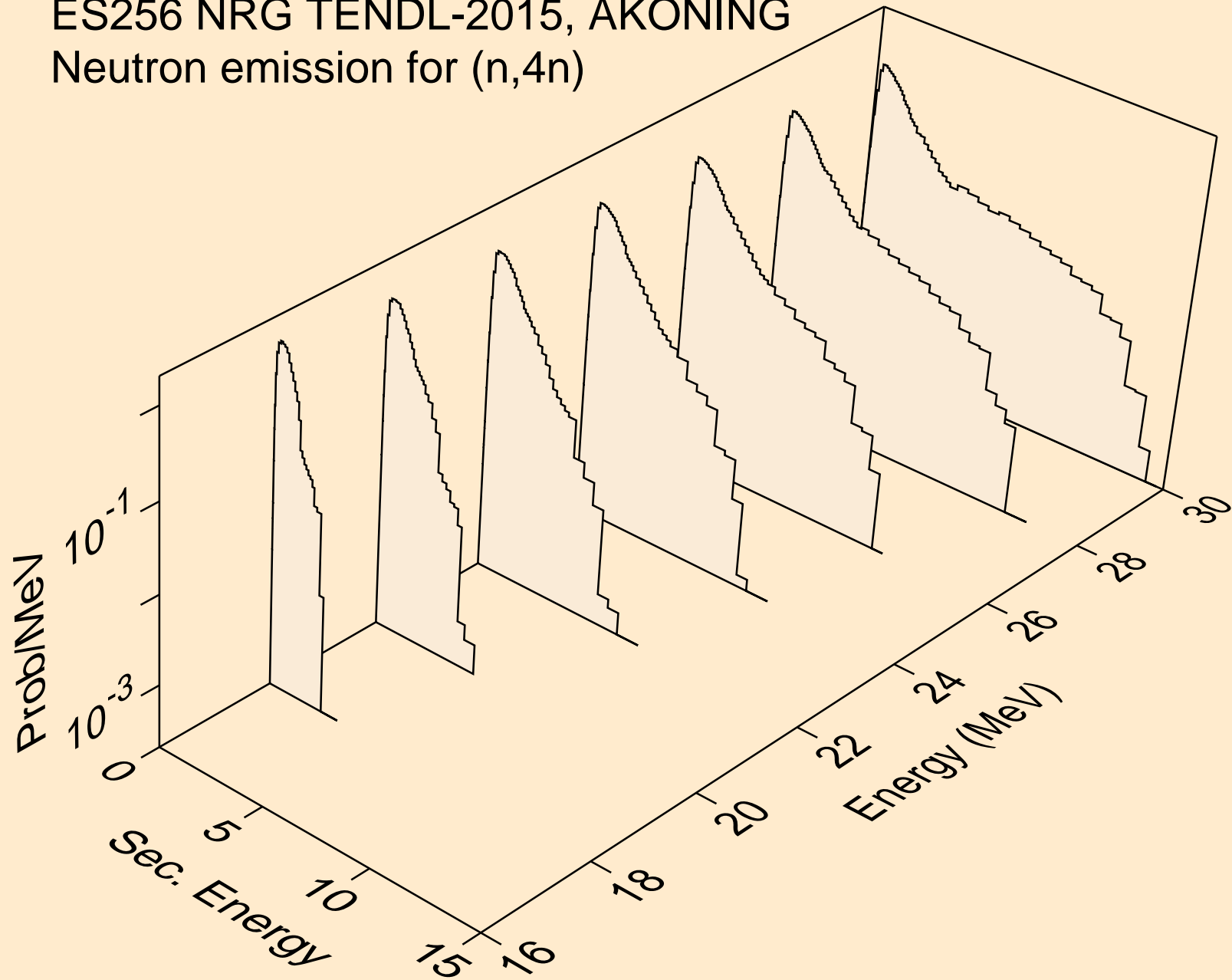
ES256 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



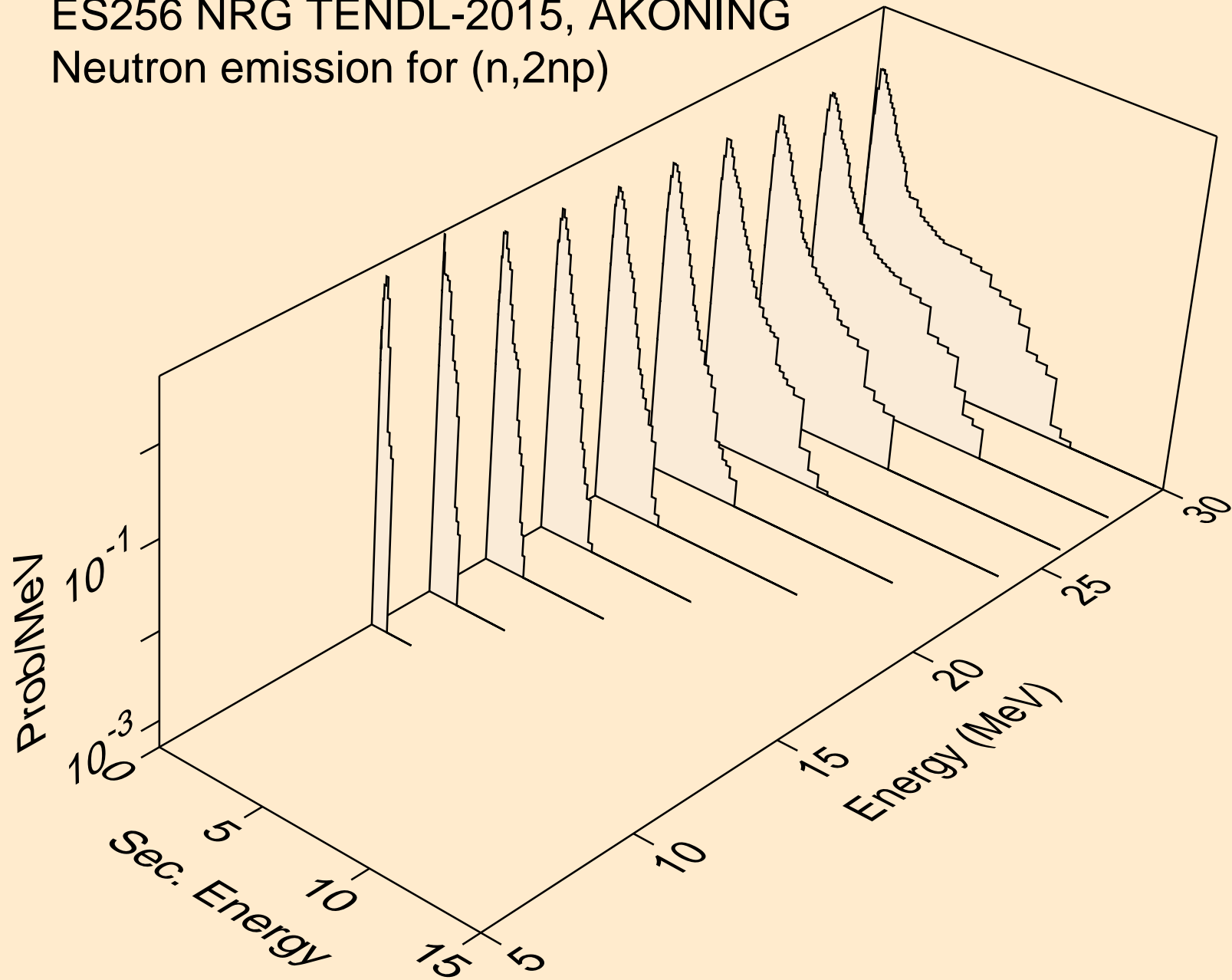
ES256 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



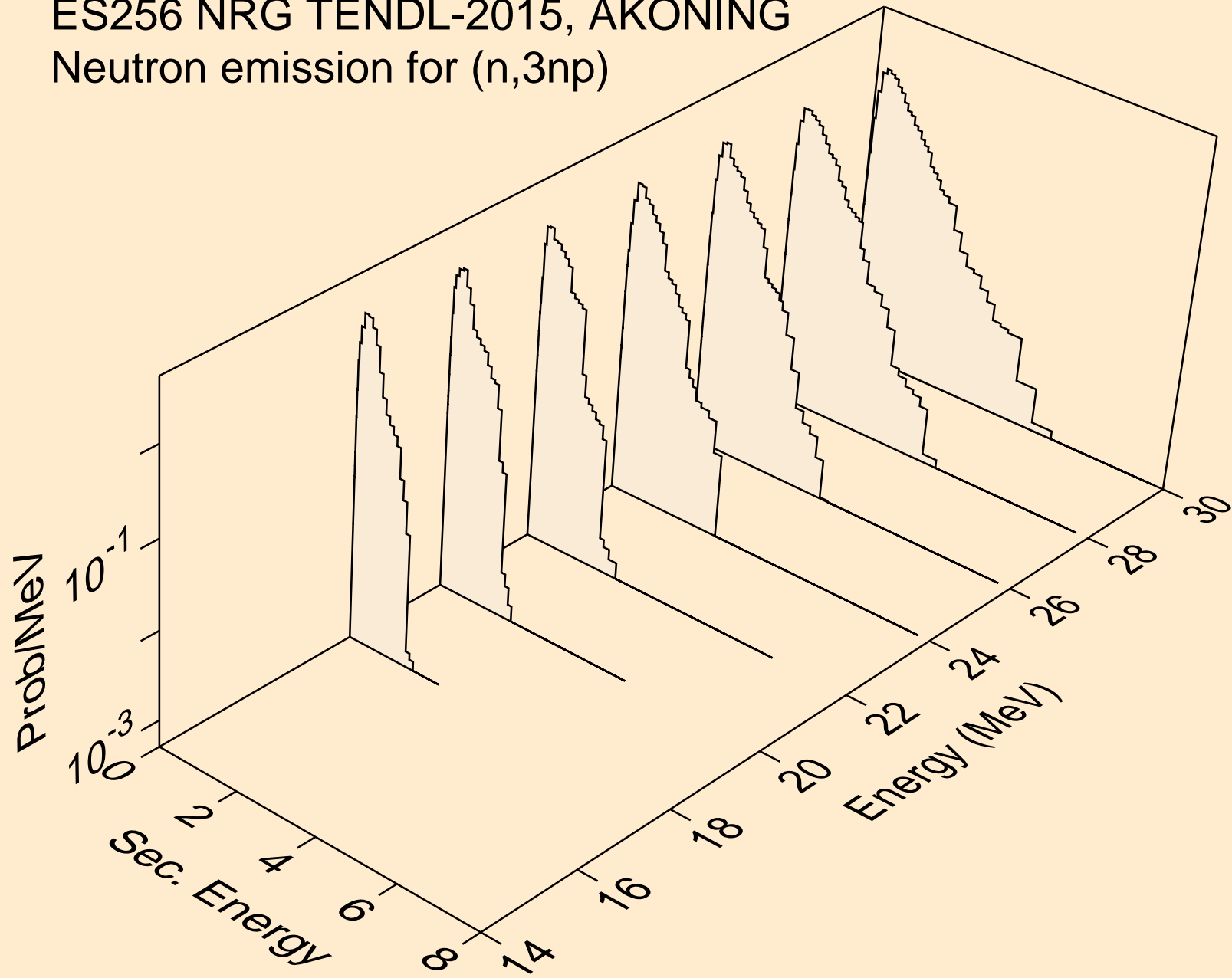
ES256 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



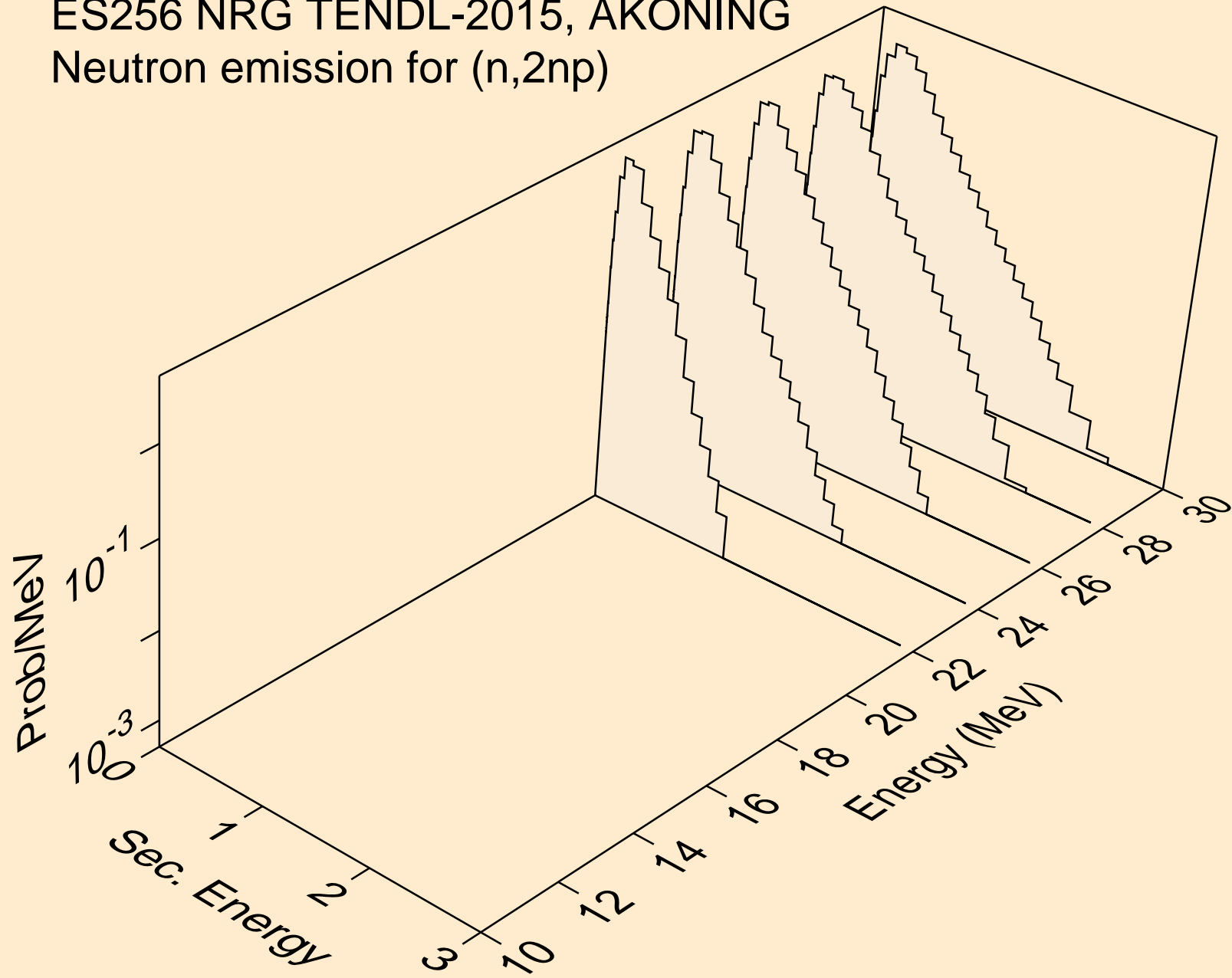
ES256 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



ES256 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)

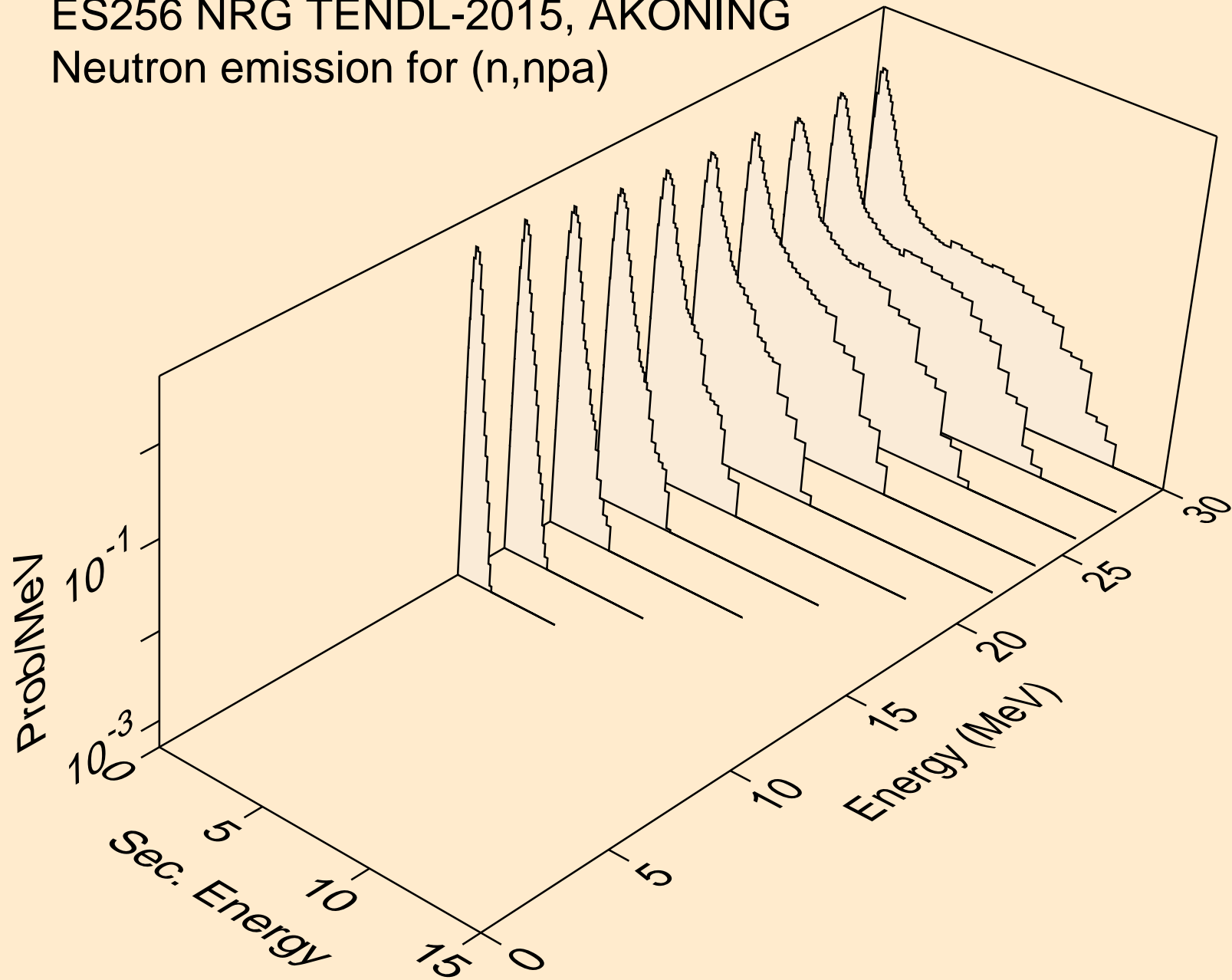


ES256 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)

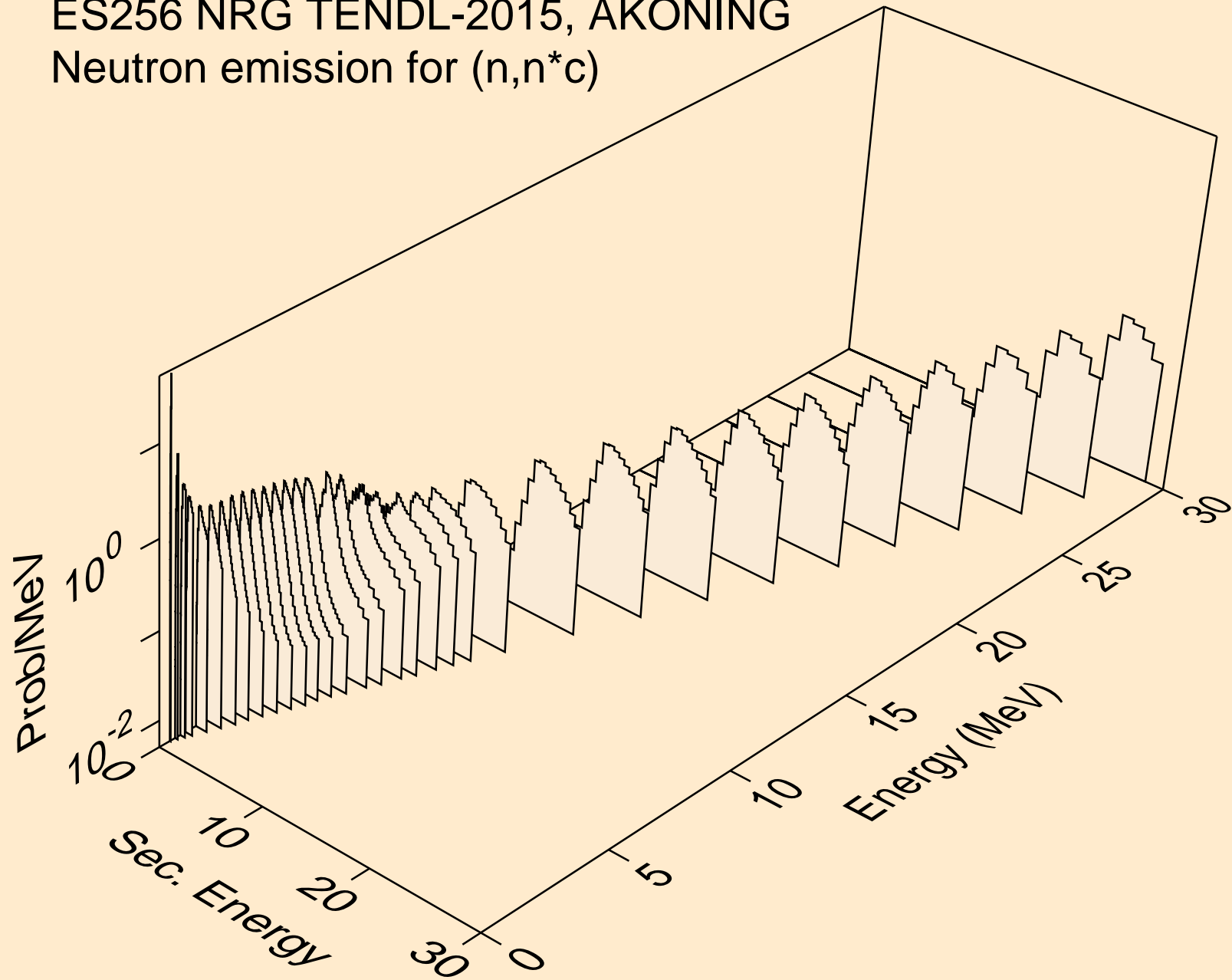




ES256 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)

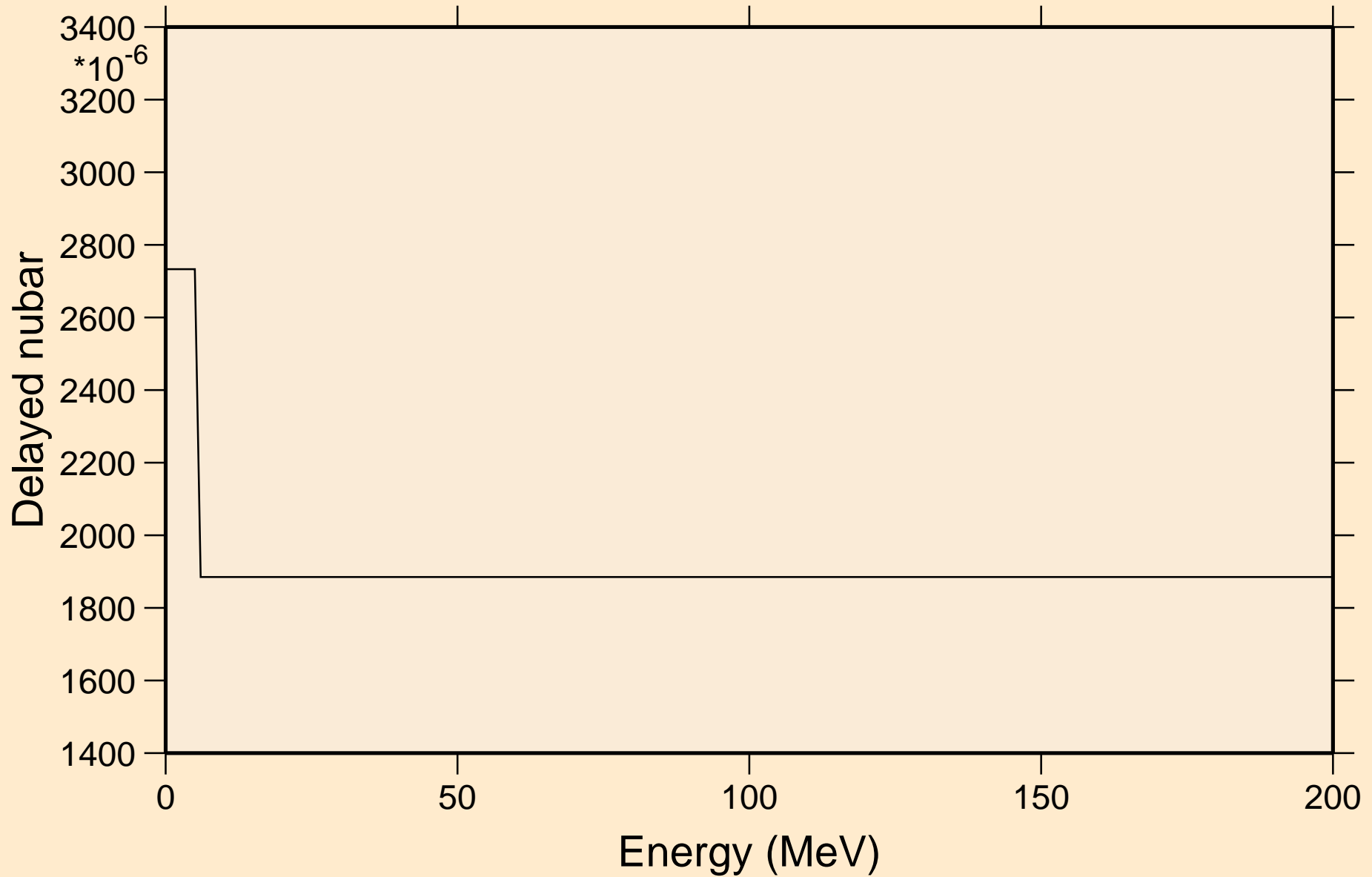


ES256 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



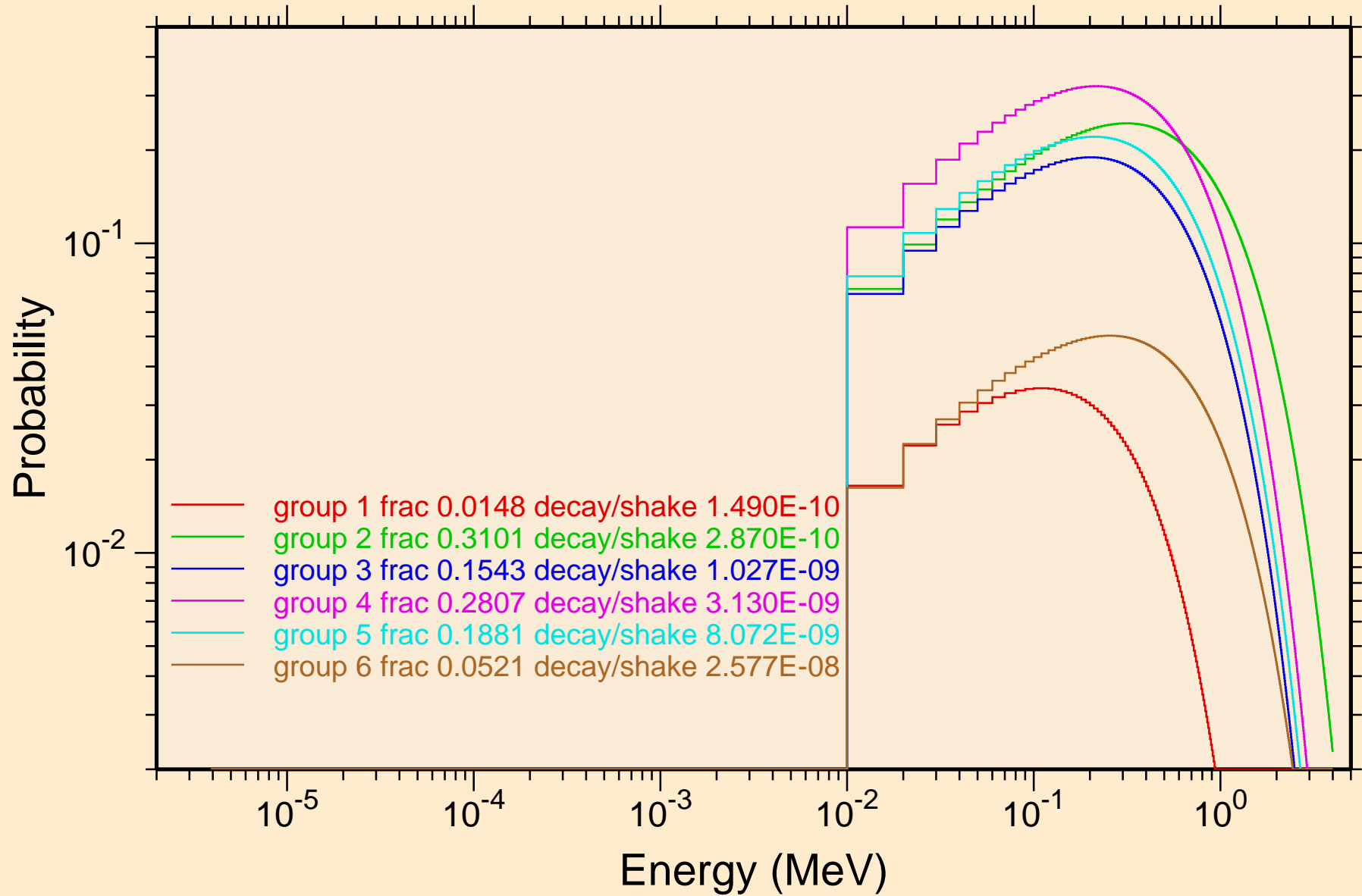
# ES256 NRG TENDL-2015, AKONING

## Delayed nubar

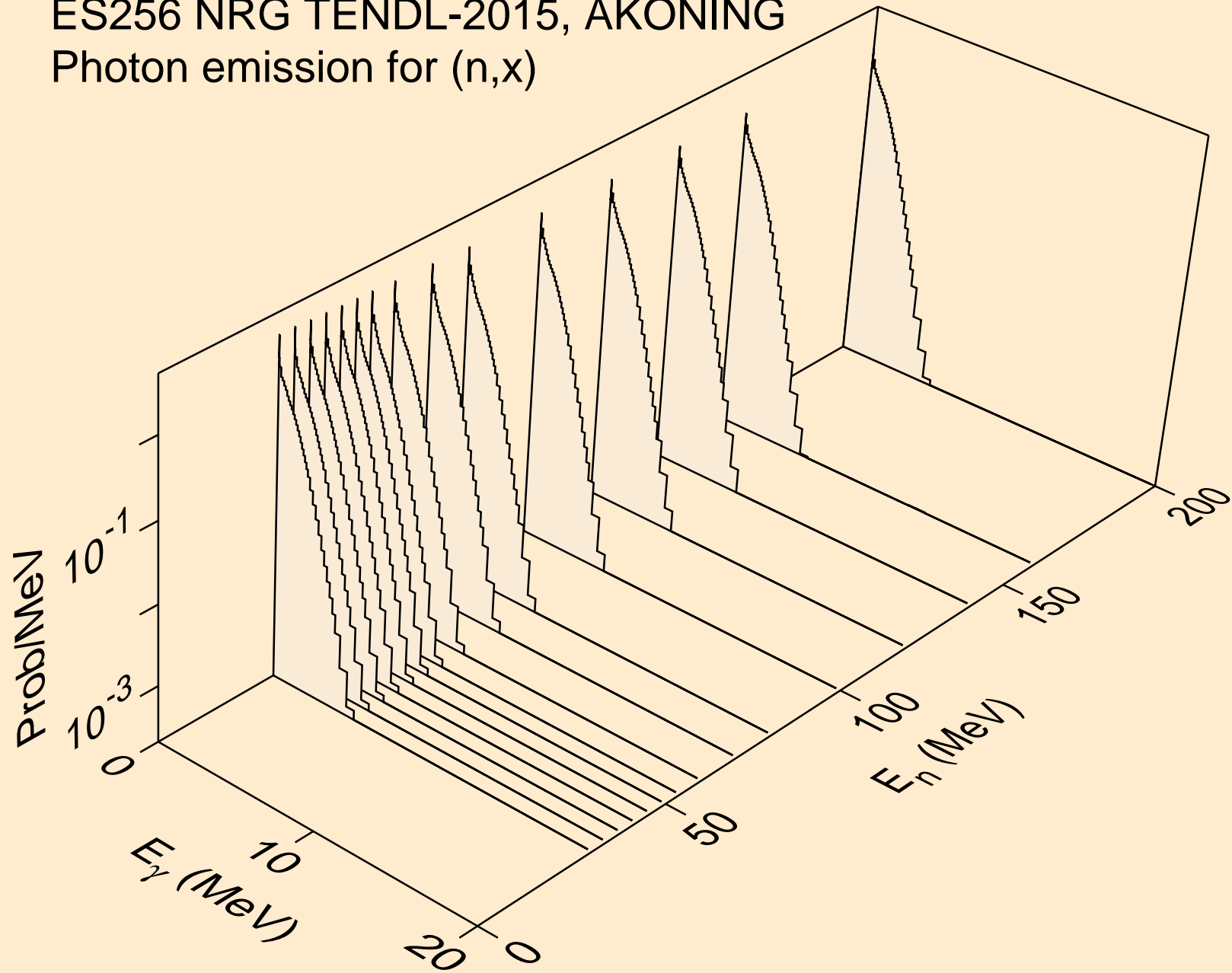


# ES256 NRG TENDL-2015, AKONING

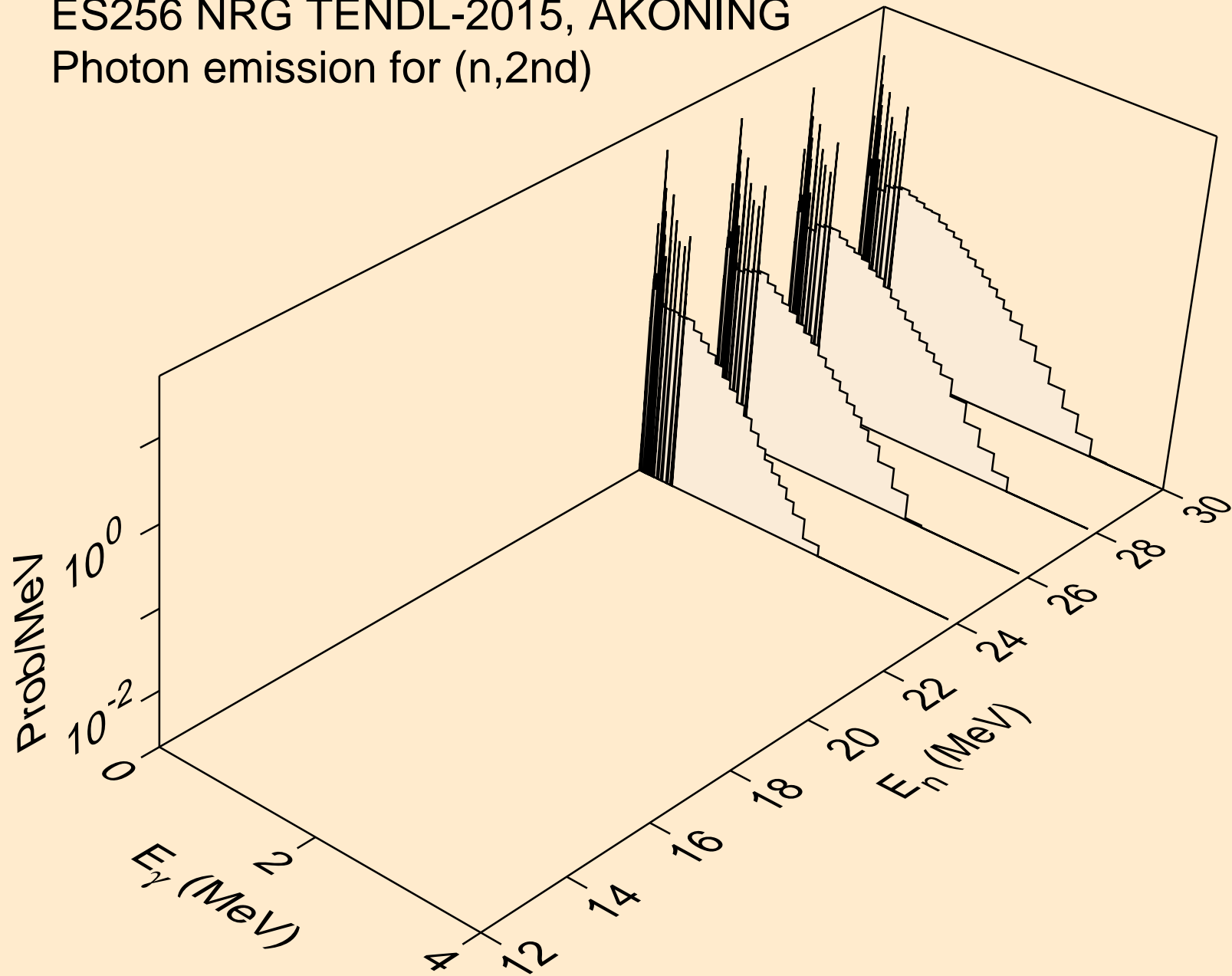
## Delayed neutron spectra



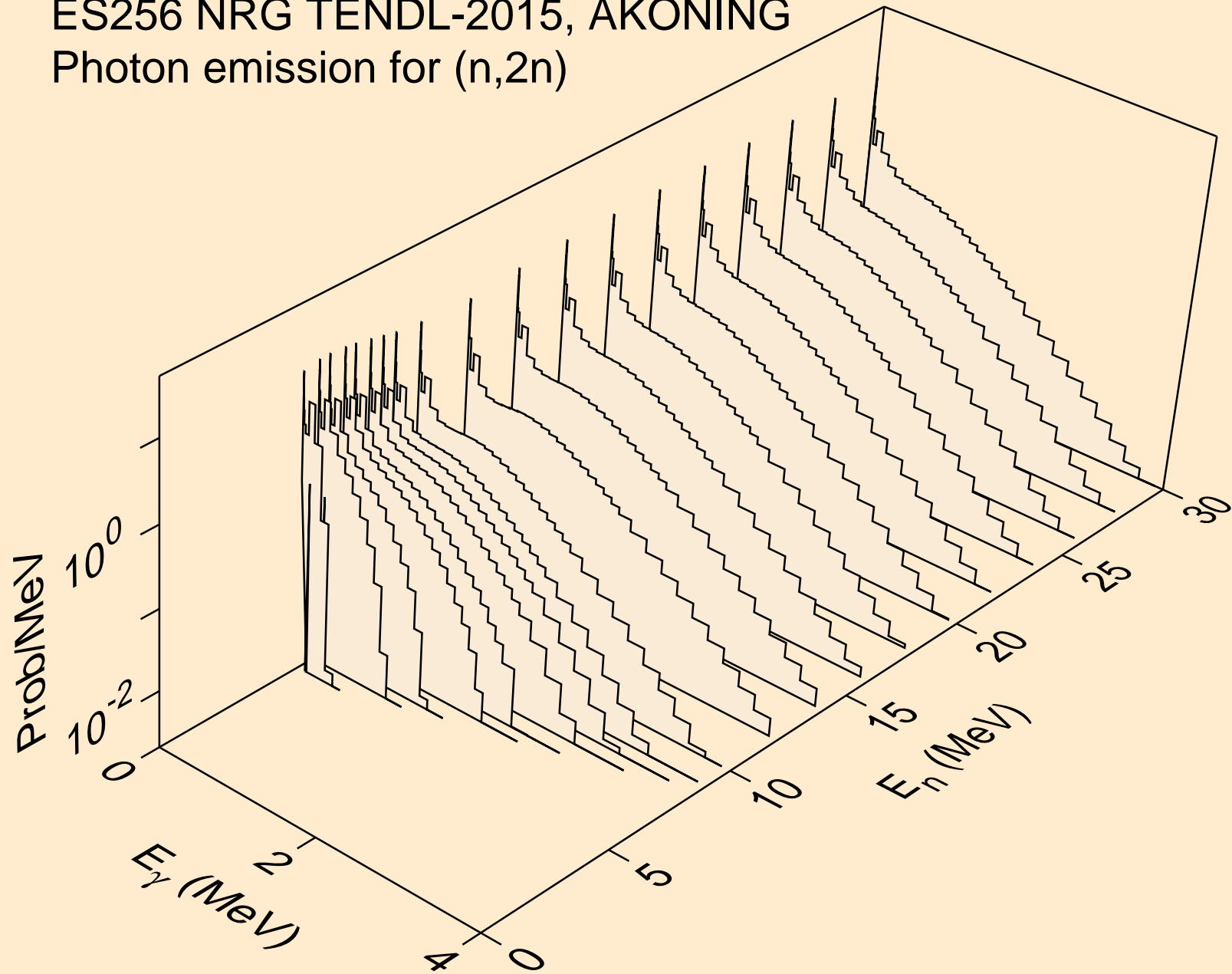
ES256 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



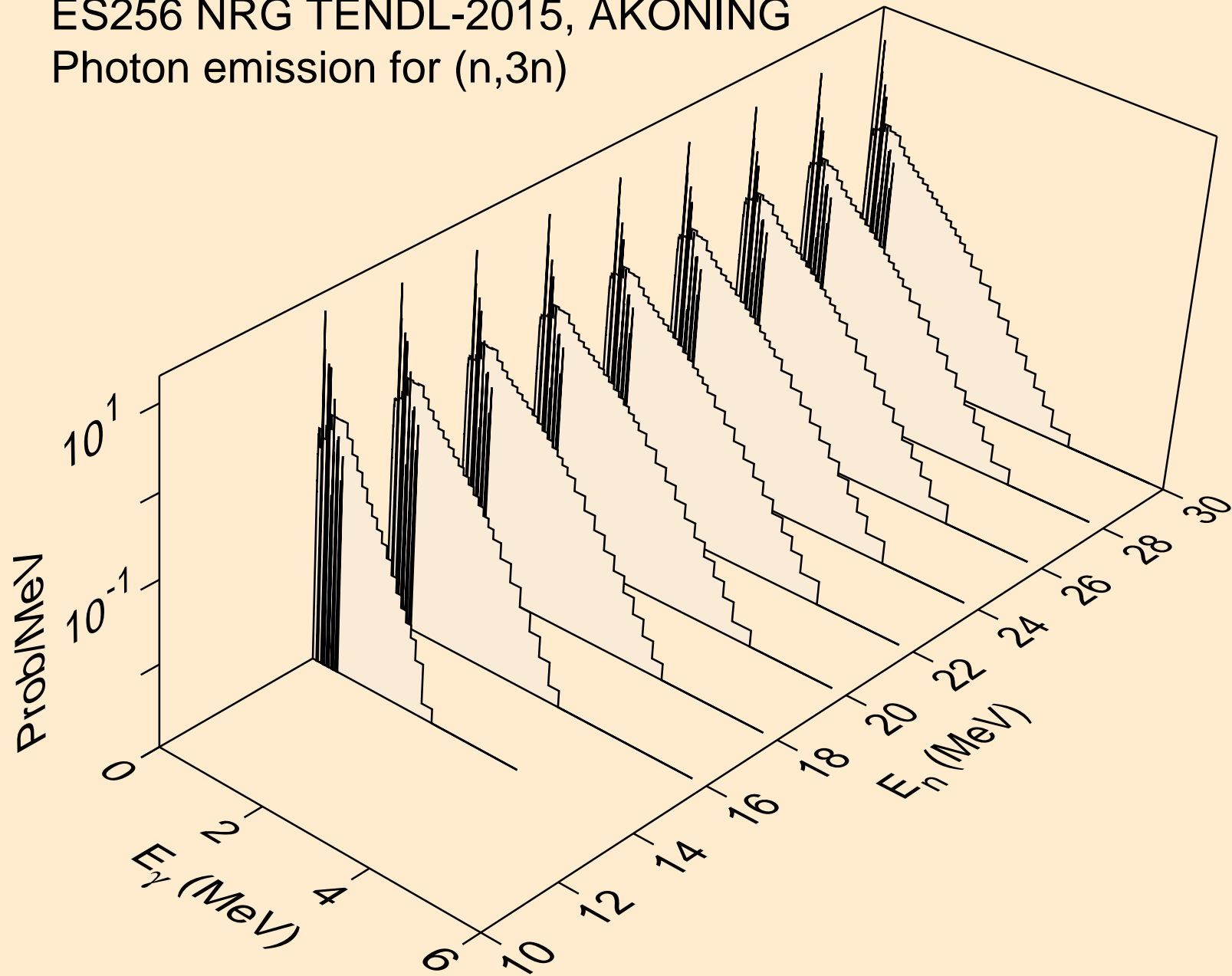
ES256 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



ES256 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)

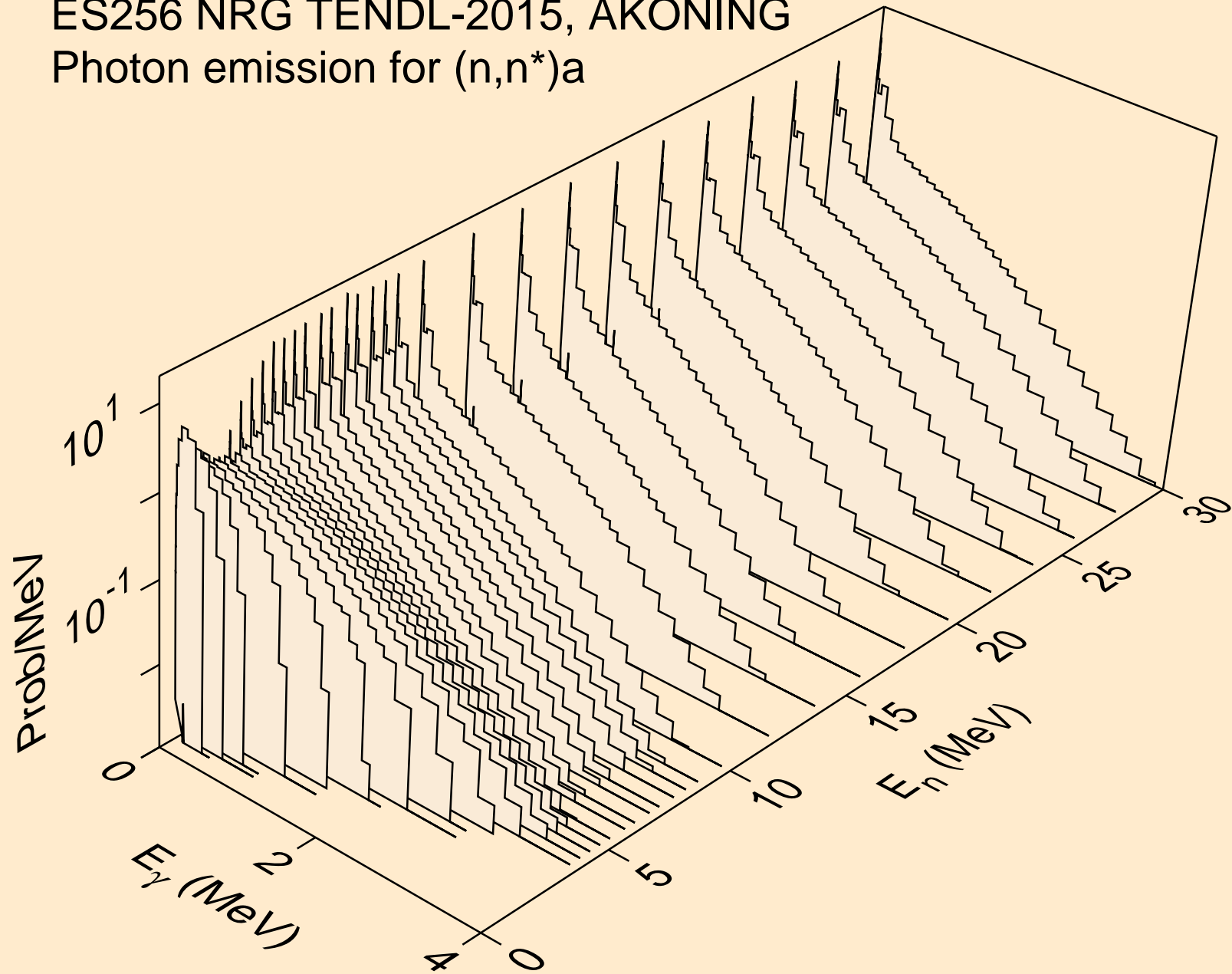


ES256 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)

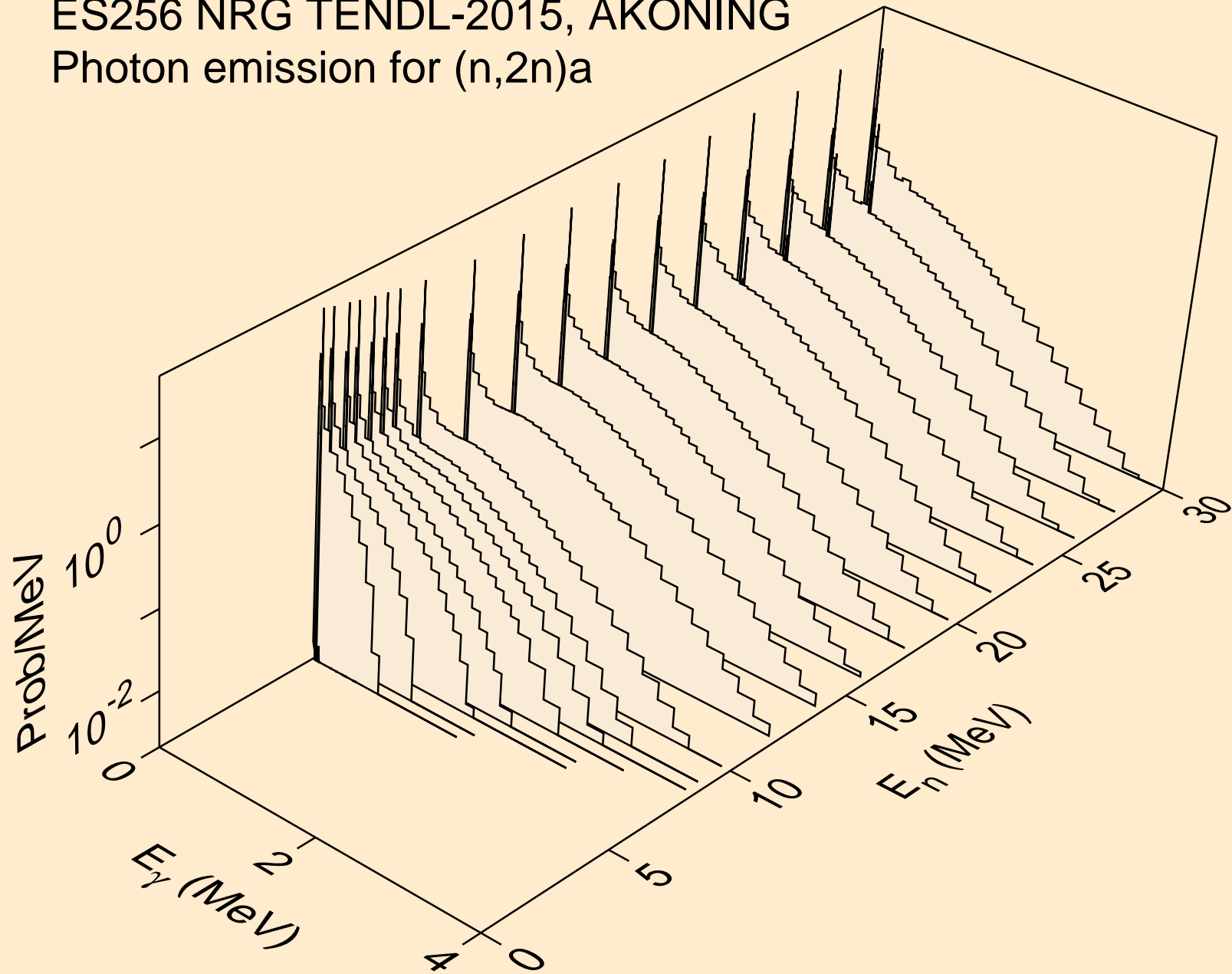




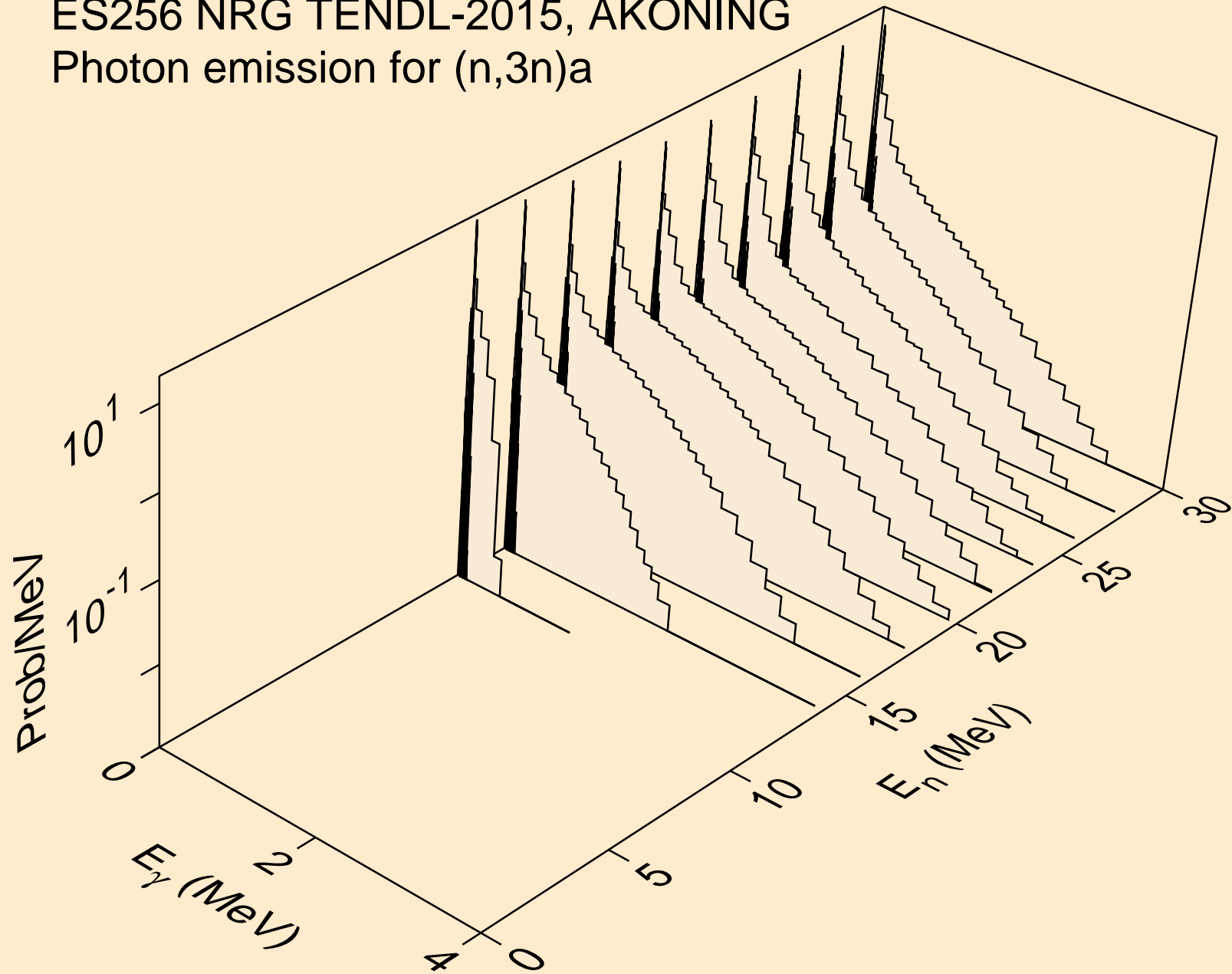
ES256 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



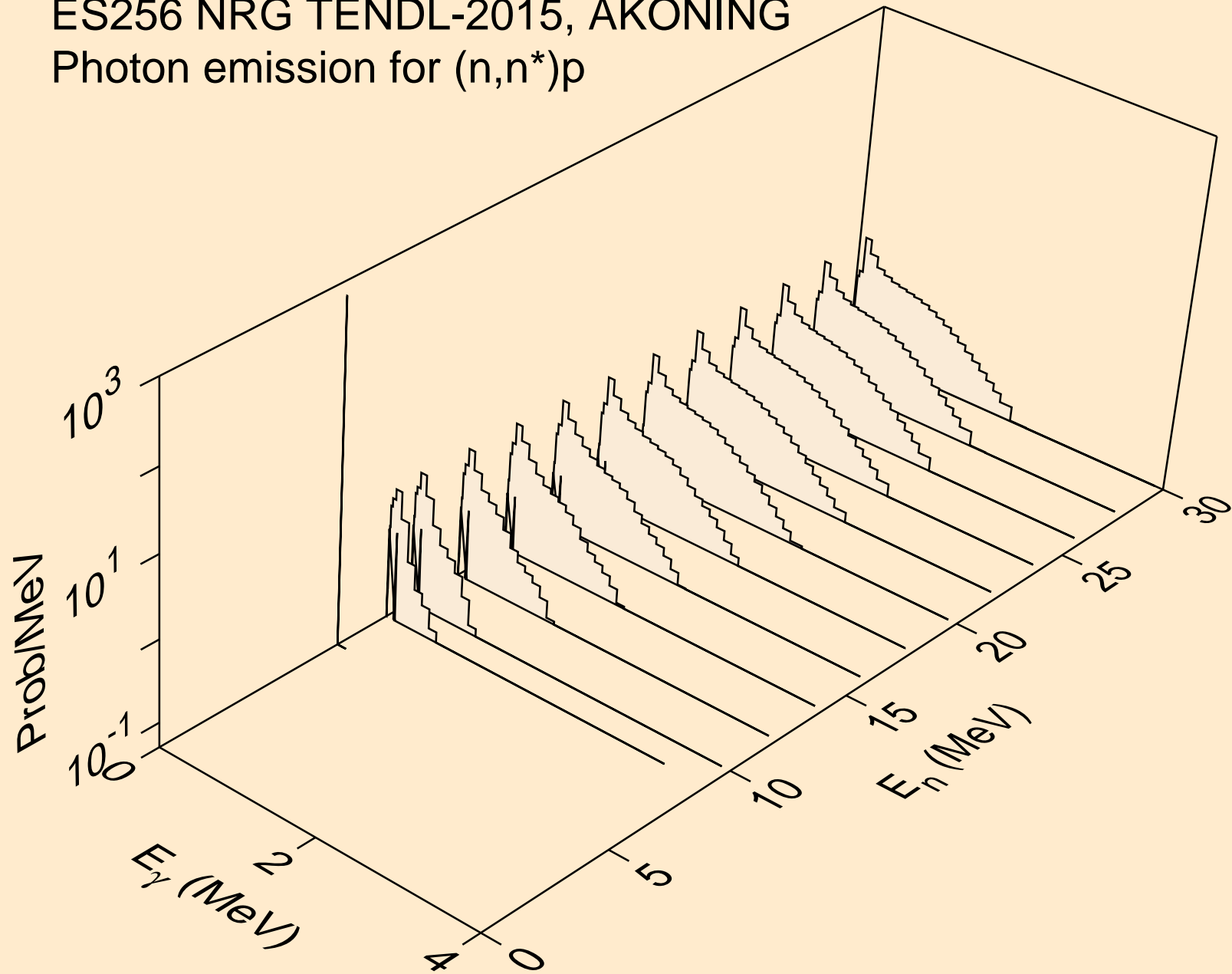
ES256 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



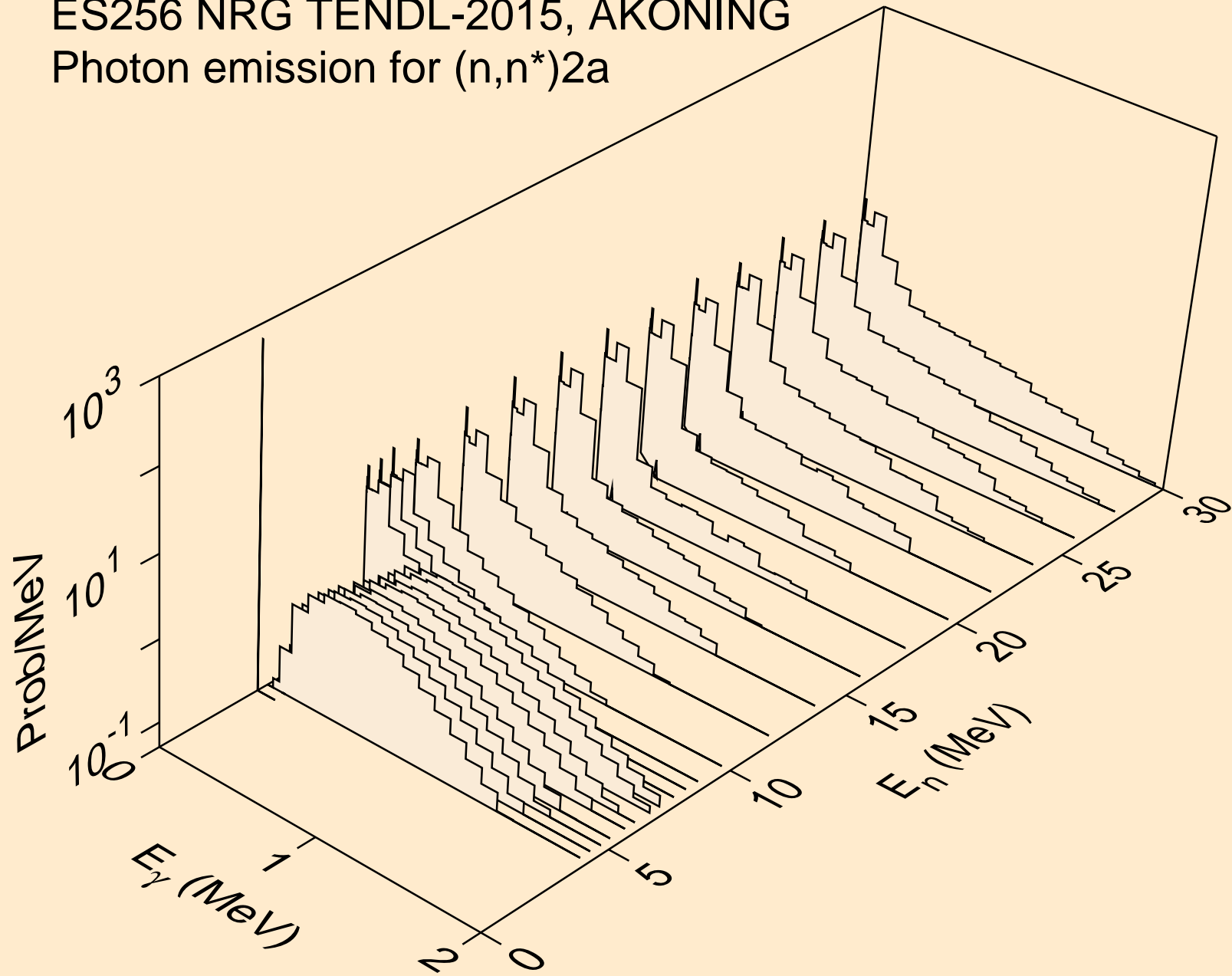
ES256 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



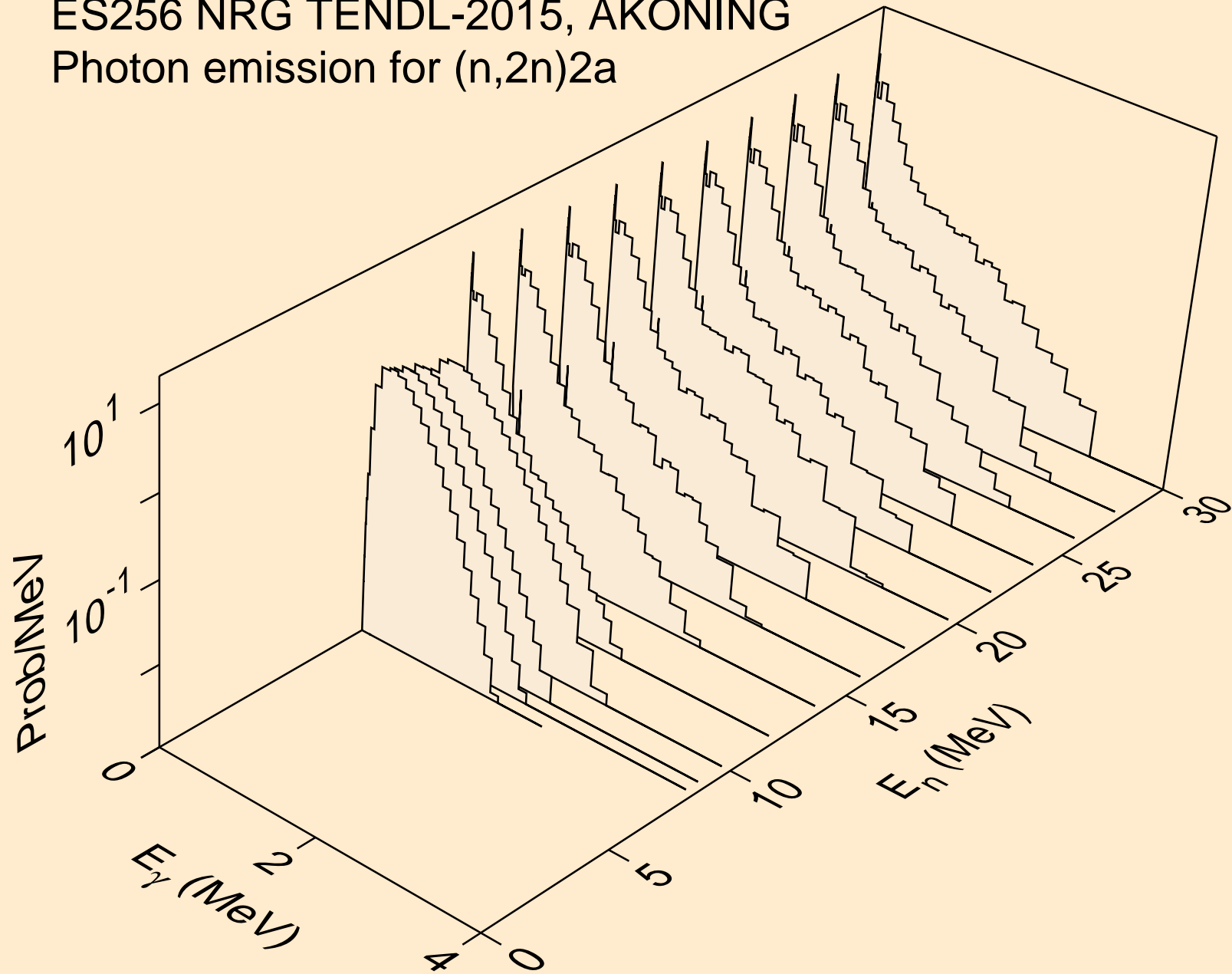
ES256 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



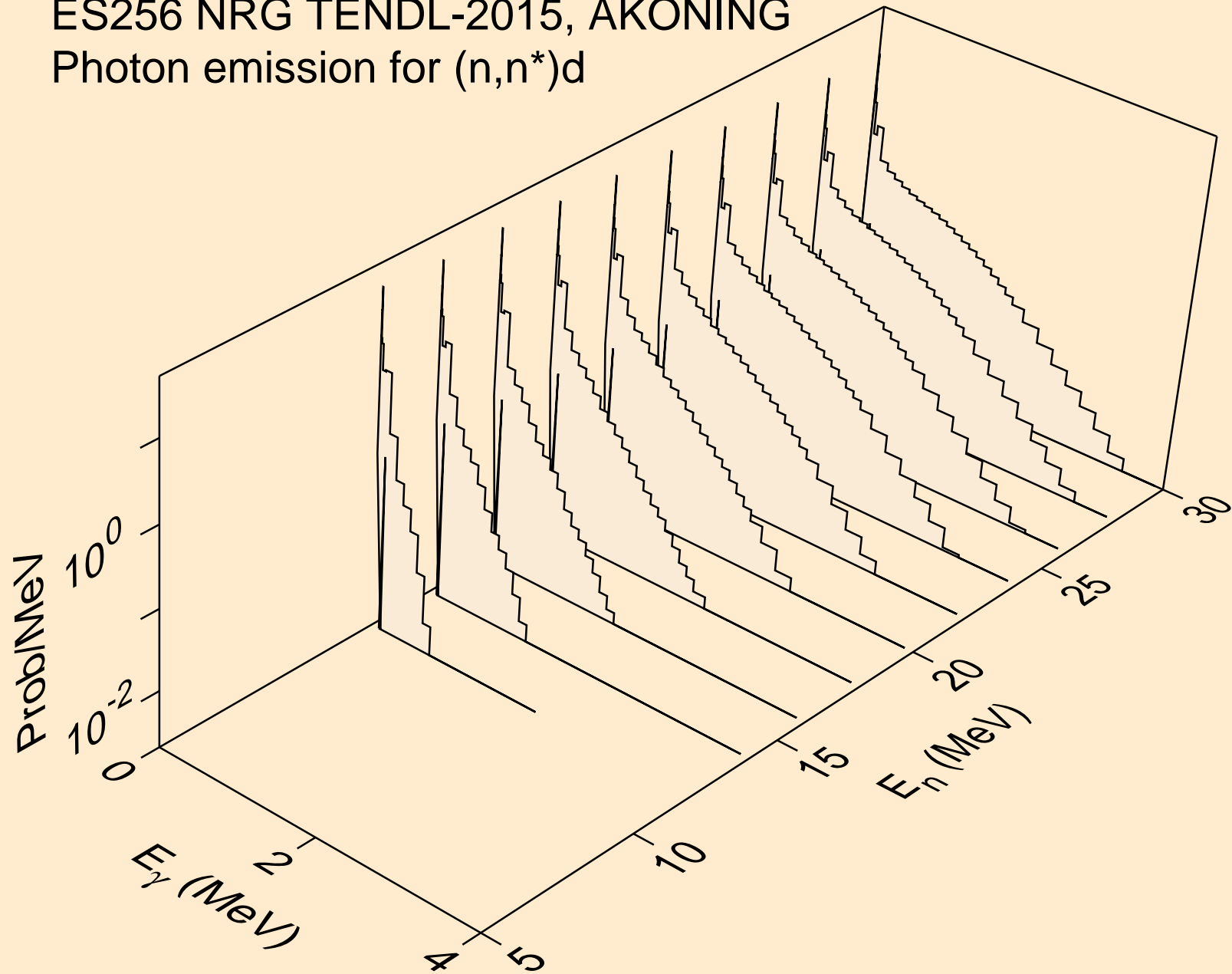
ES256 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



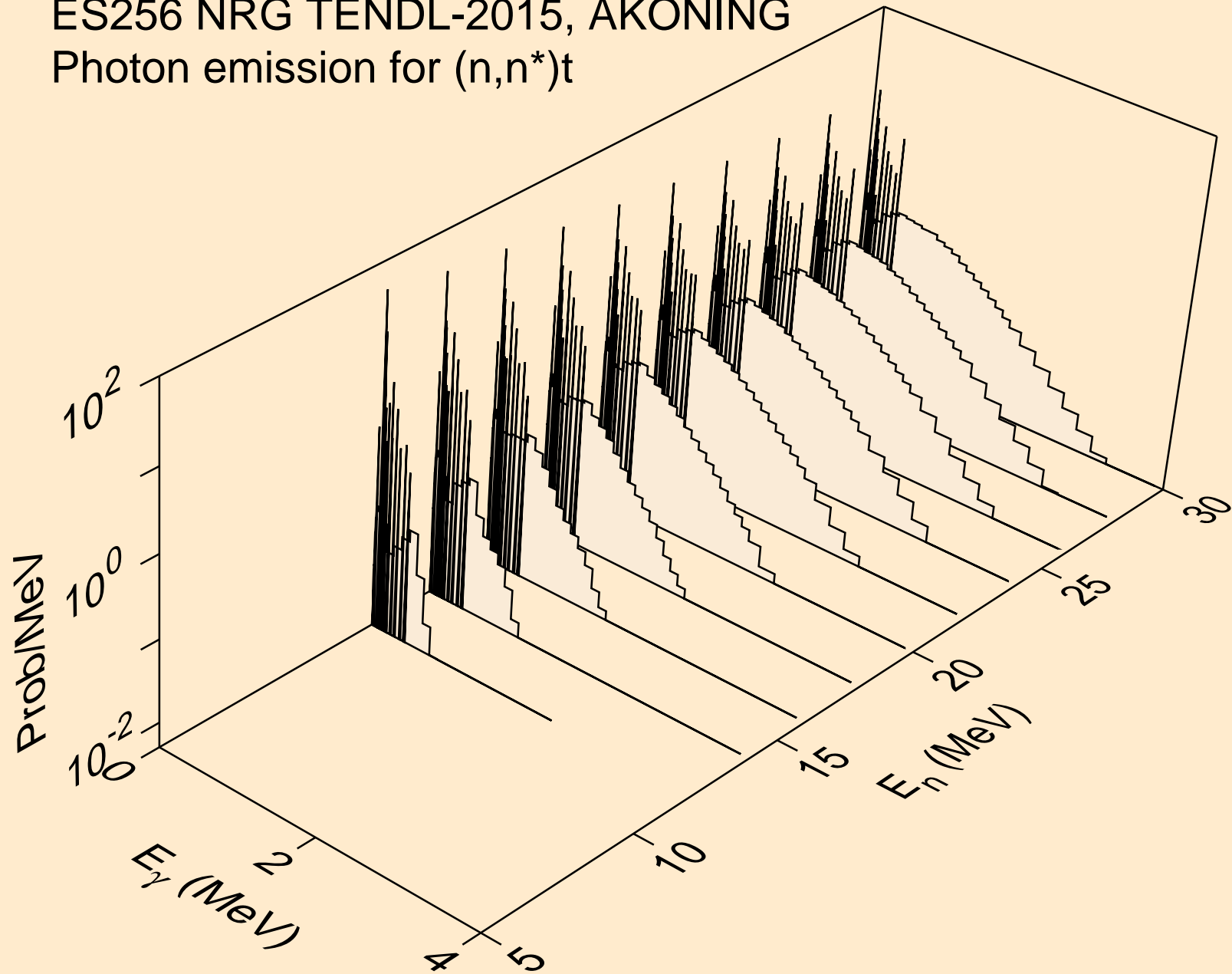
ES256 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a



ES256 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d

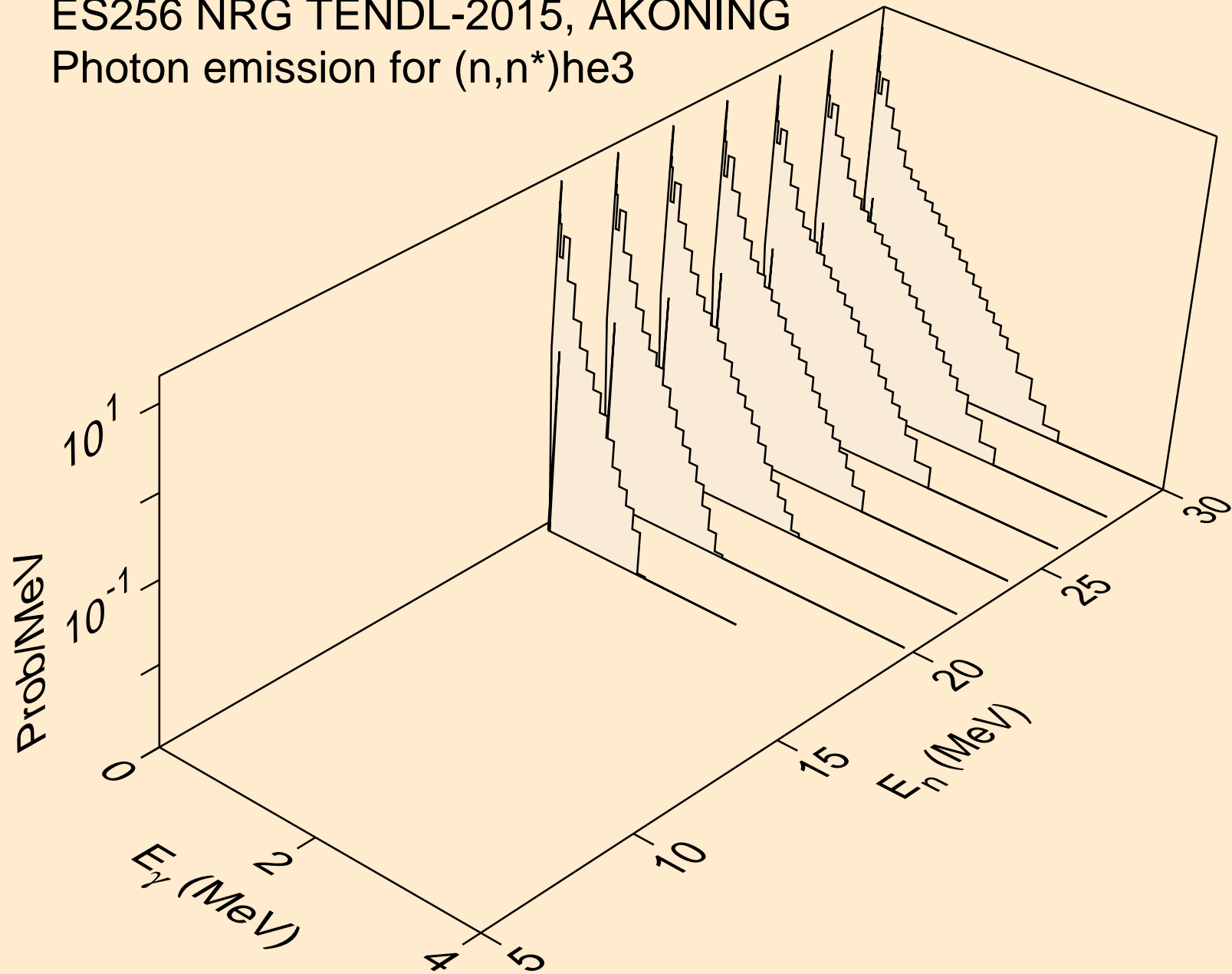


ES256 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t

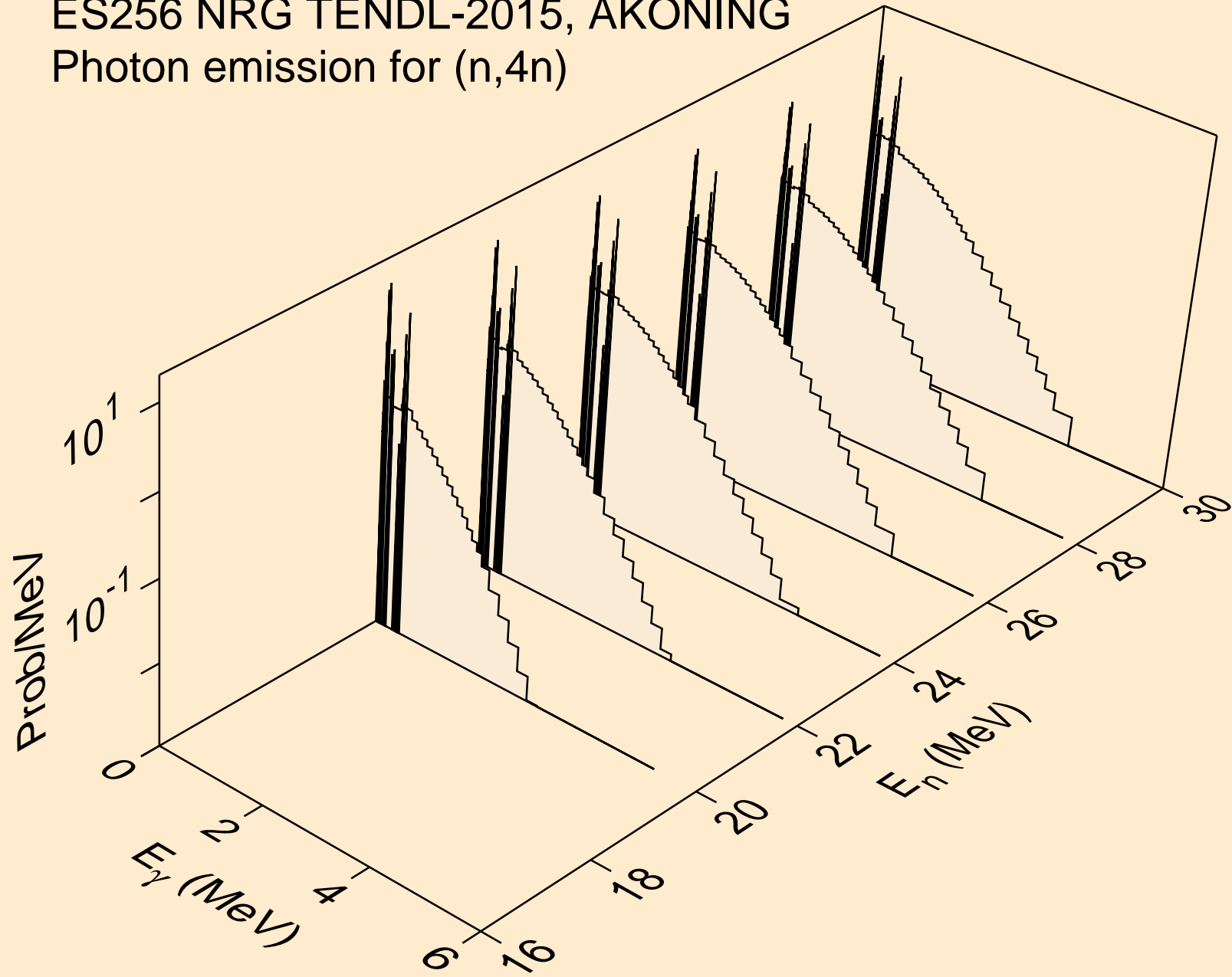




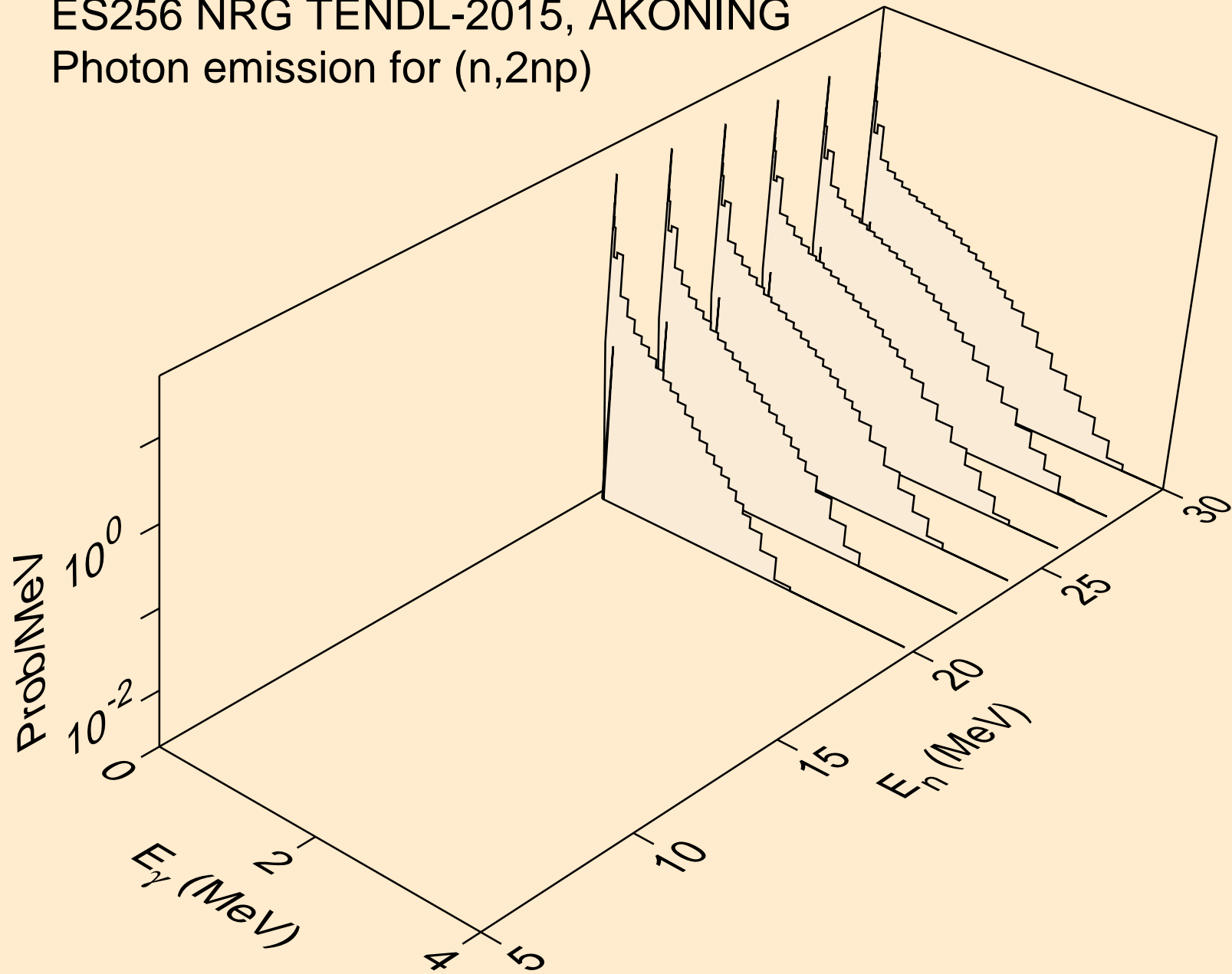
ES256 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



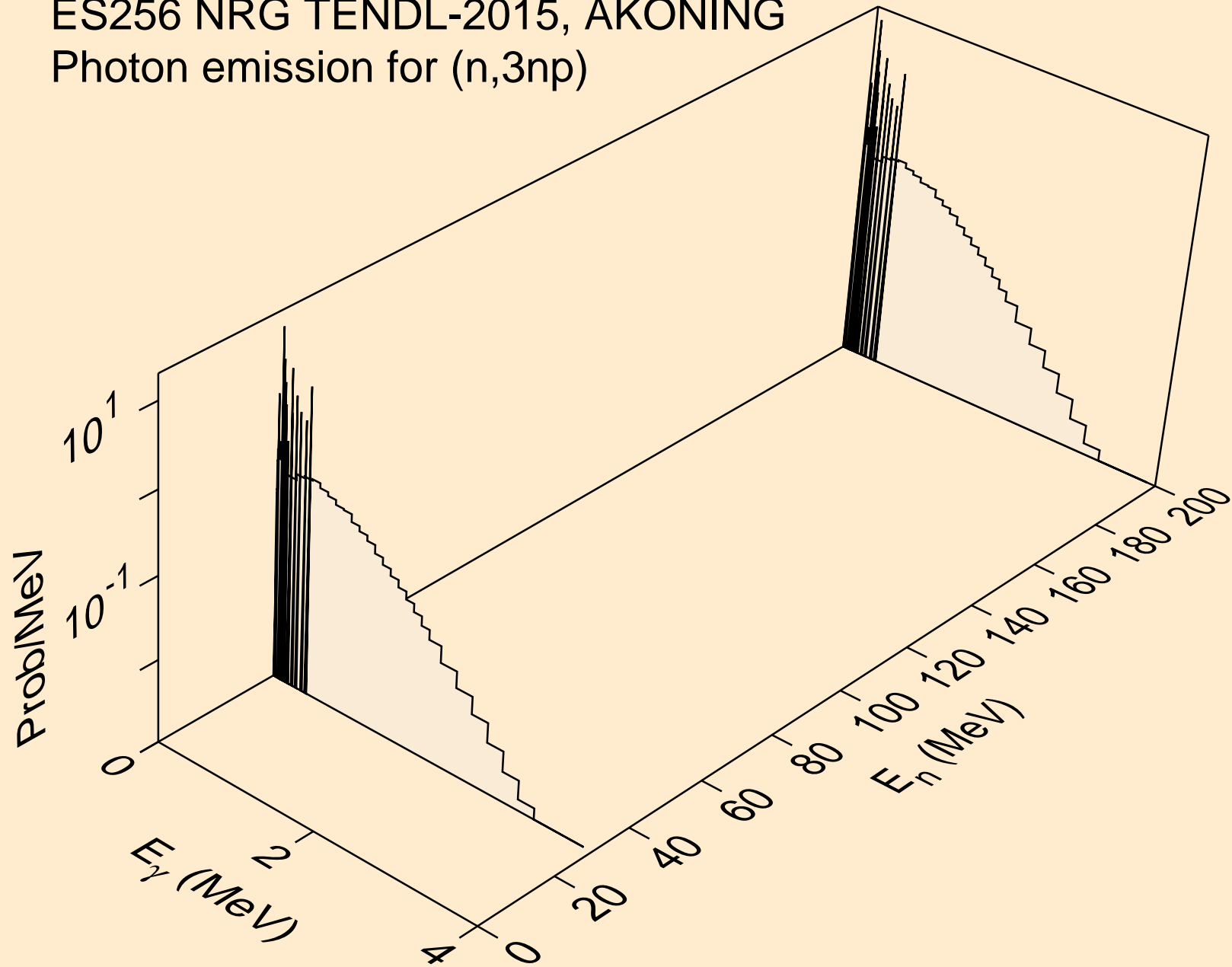
ES256 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



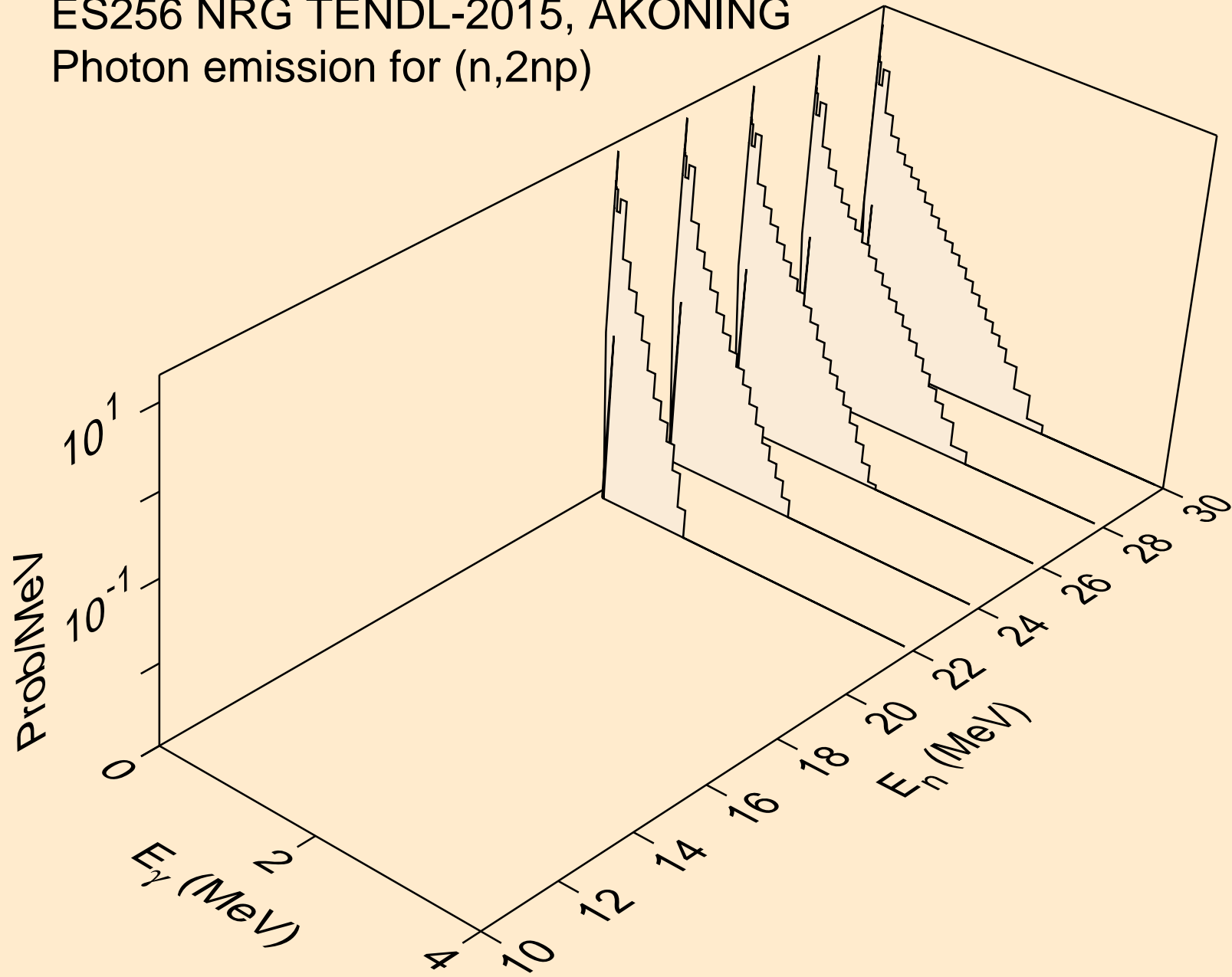
ES256 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



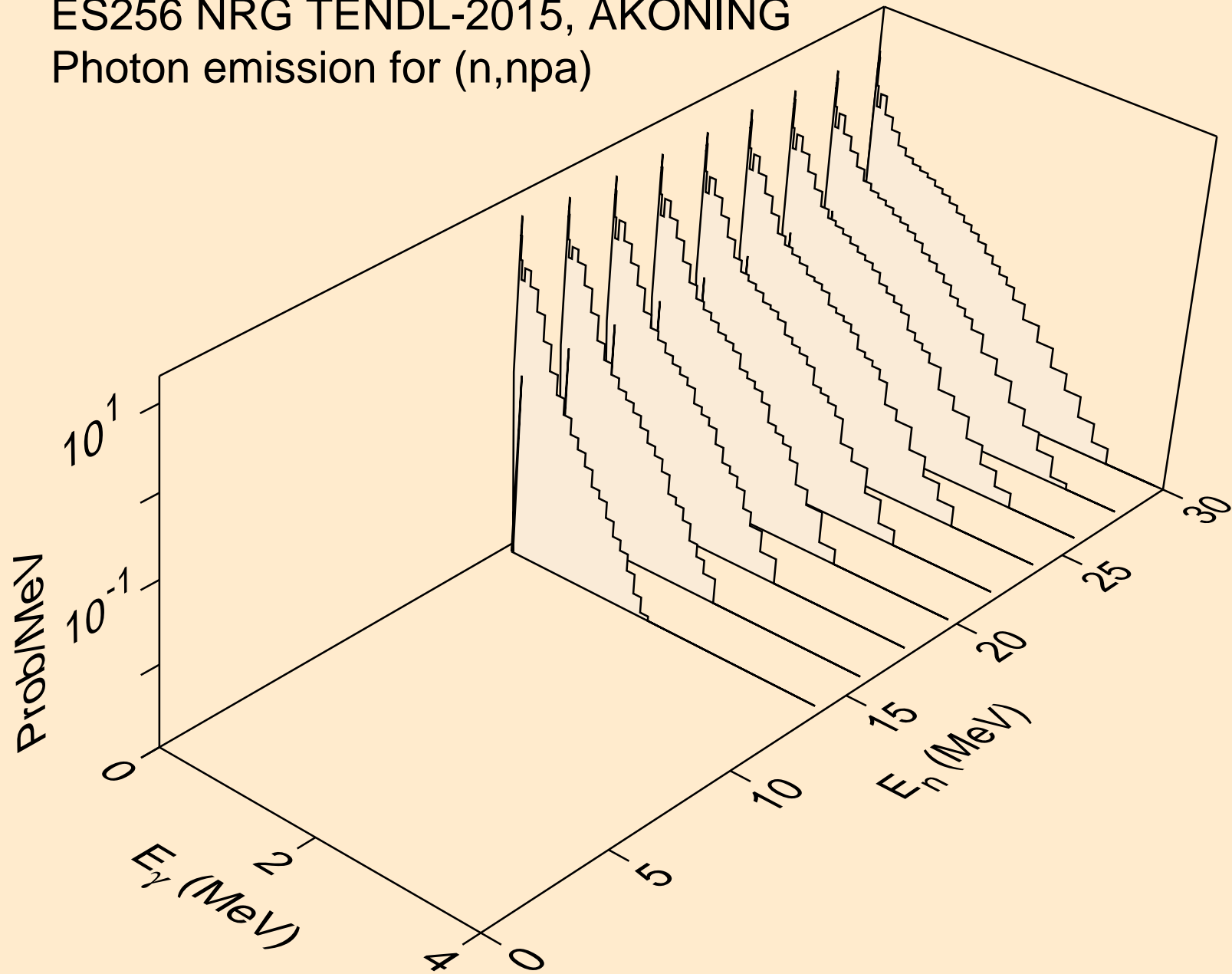
ES256 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



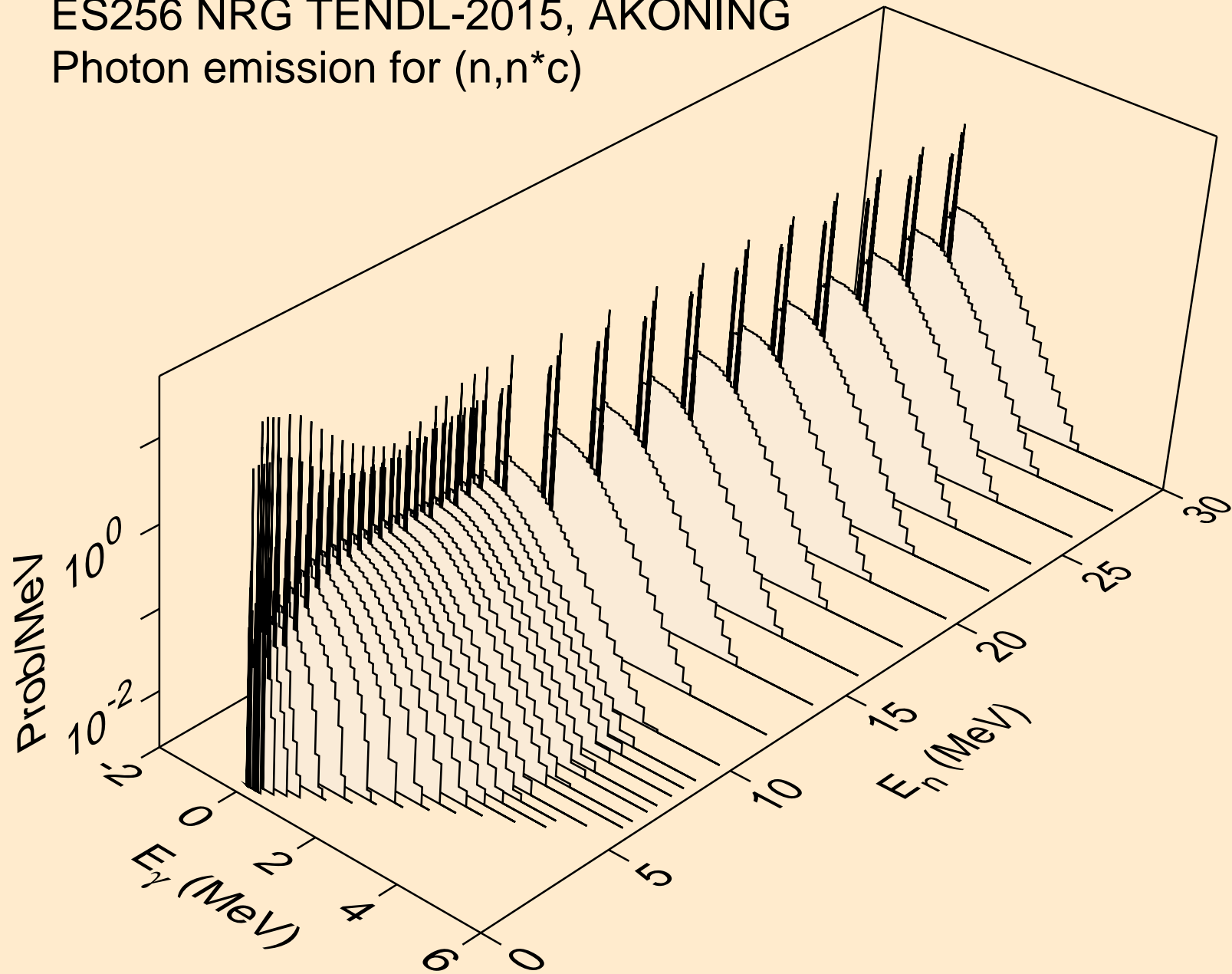
ES256 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



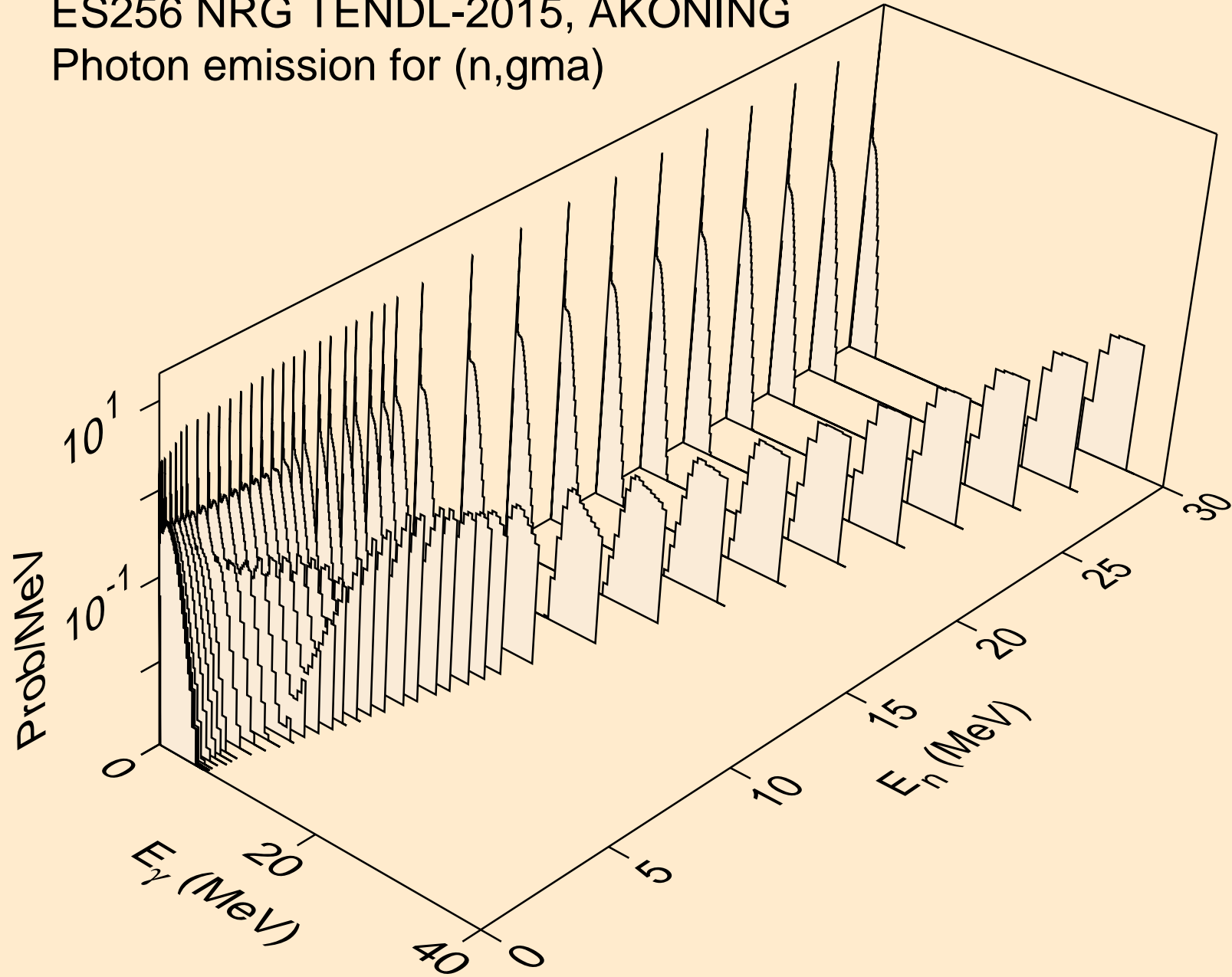
ES256 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



ES256 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)

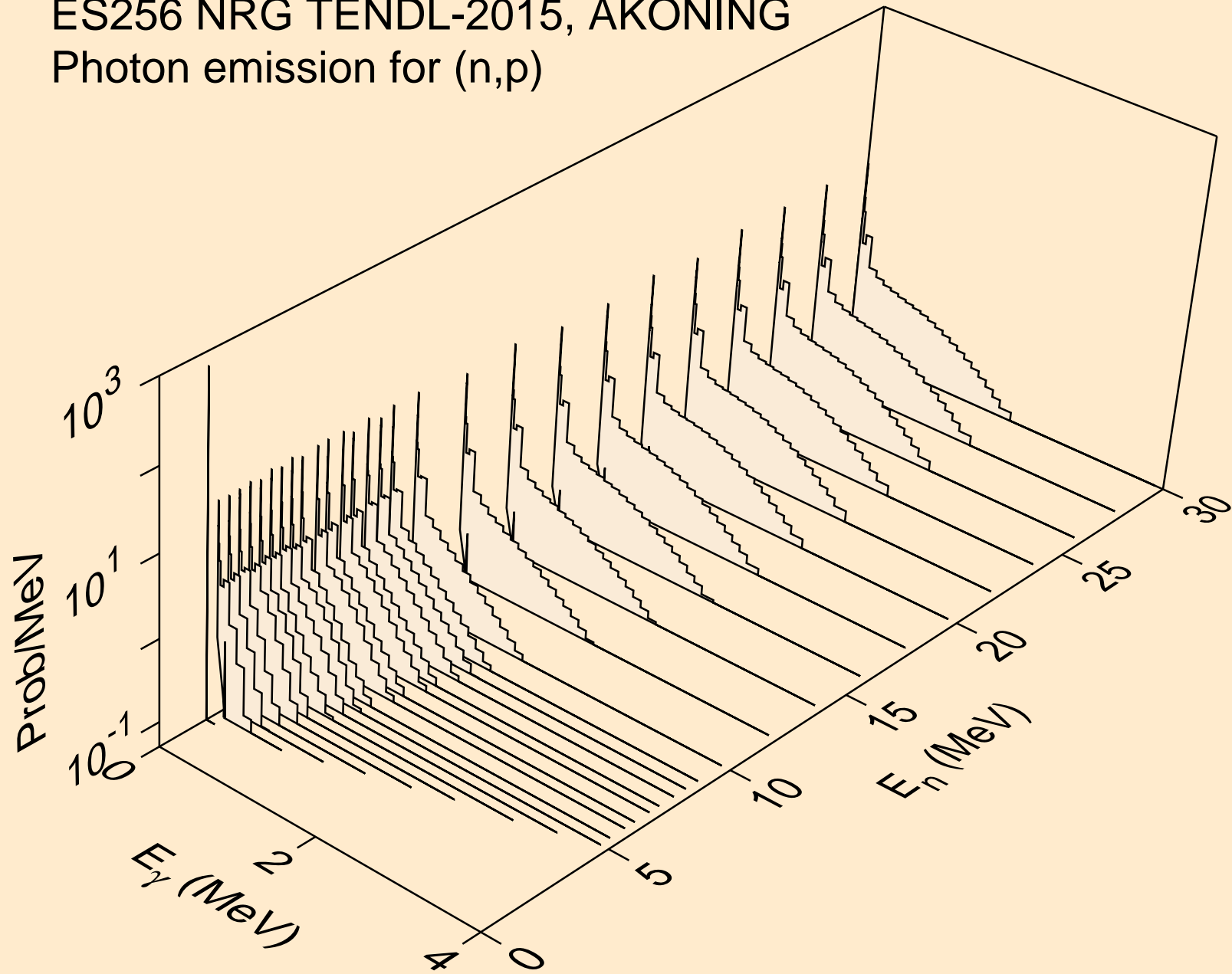


ES256 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)

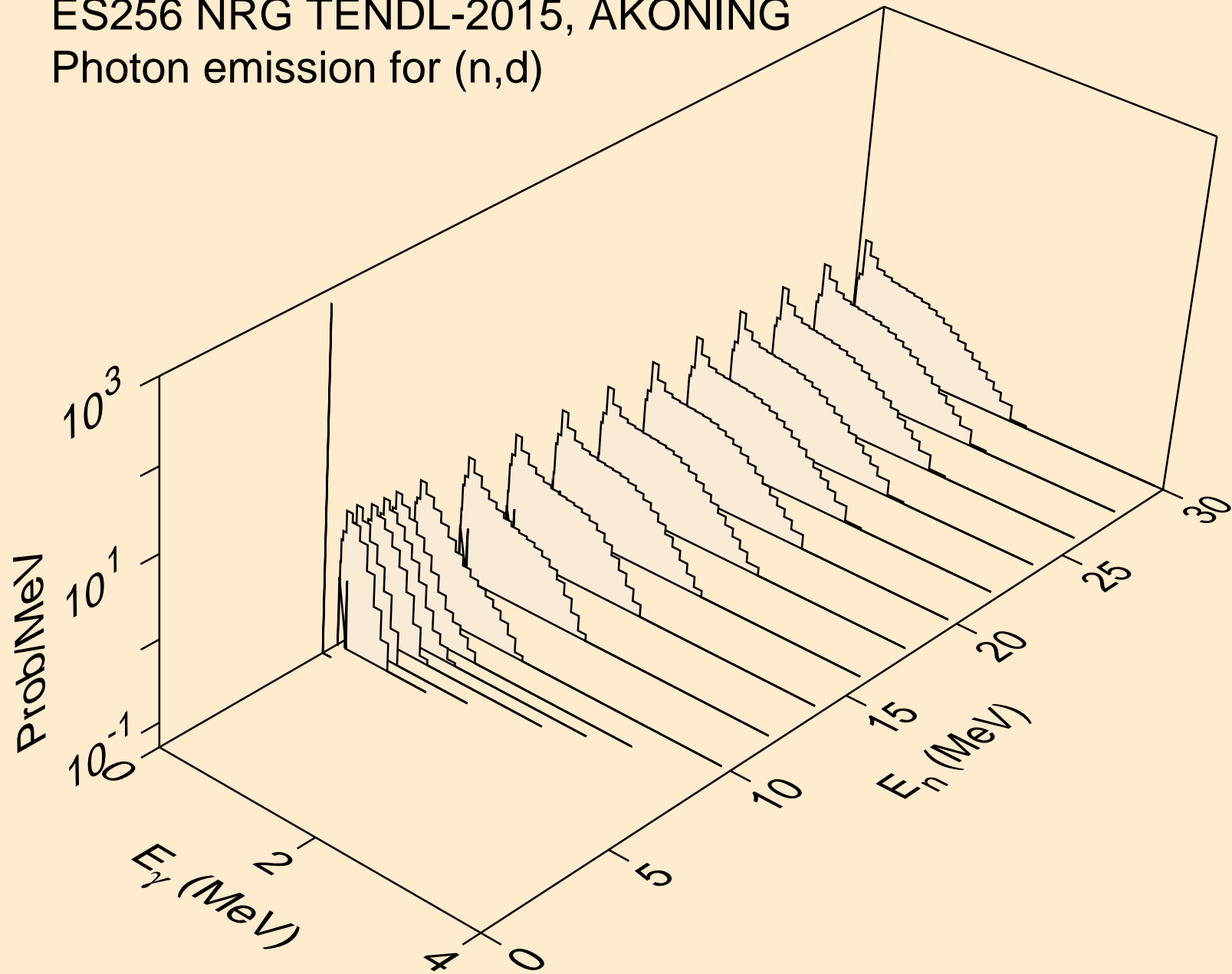




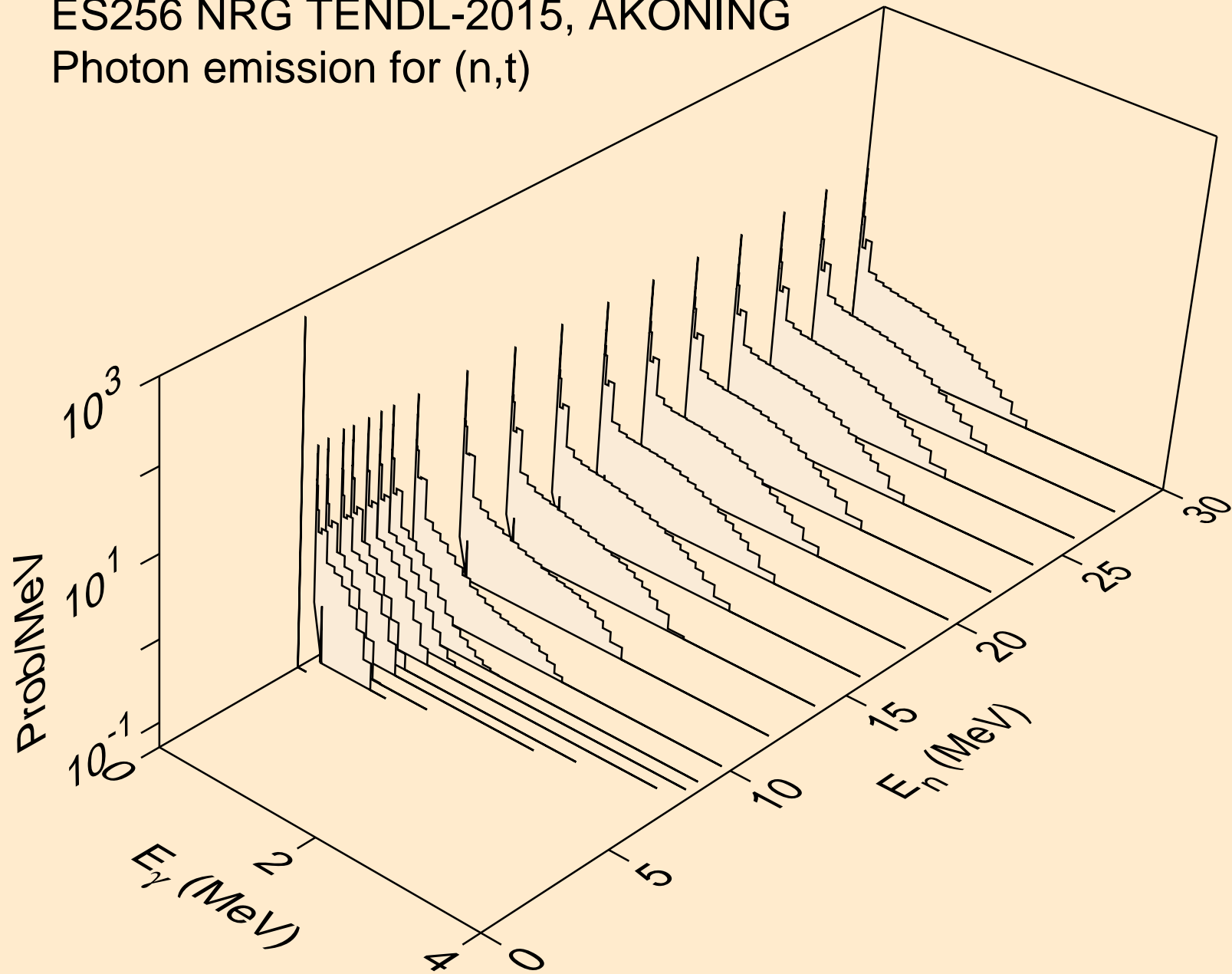
ES256 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



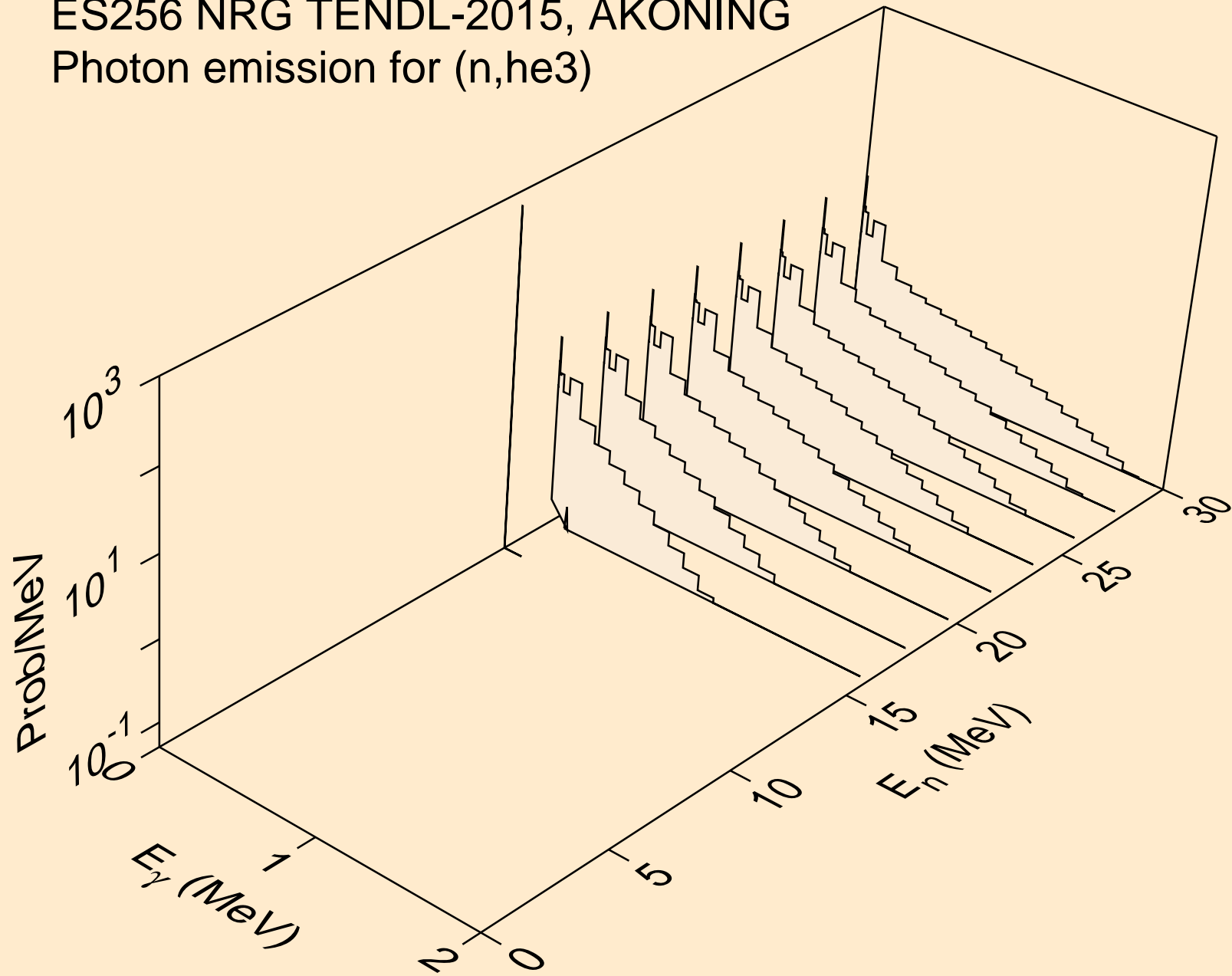
ES256 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



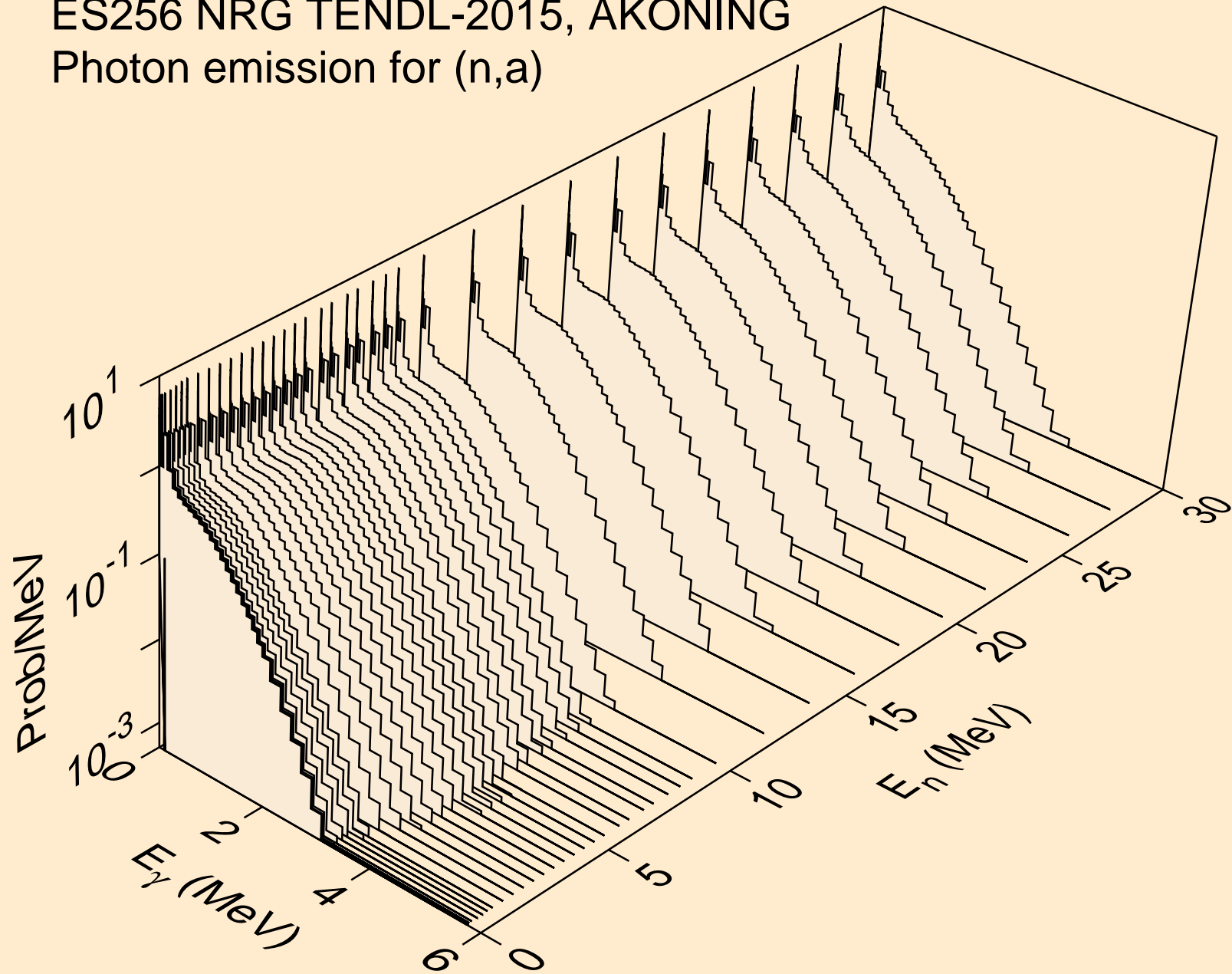
ES256 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



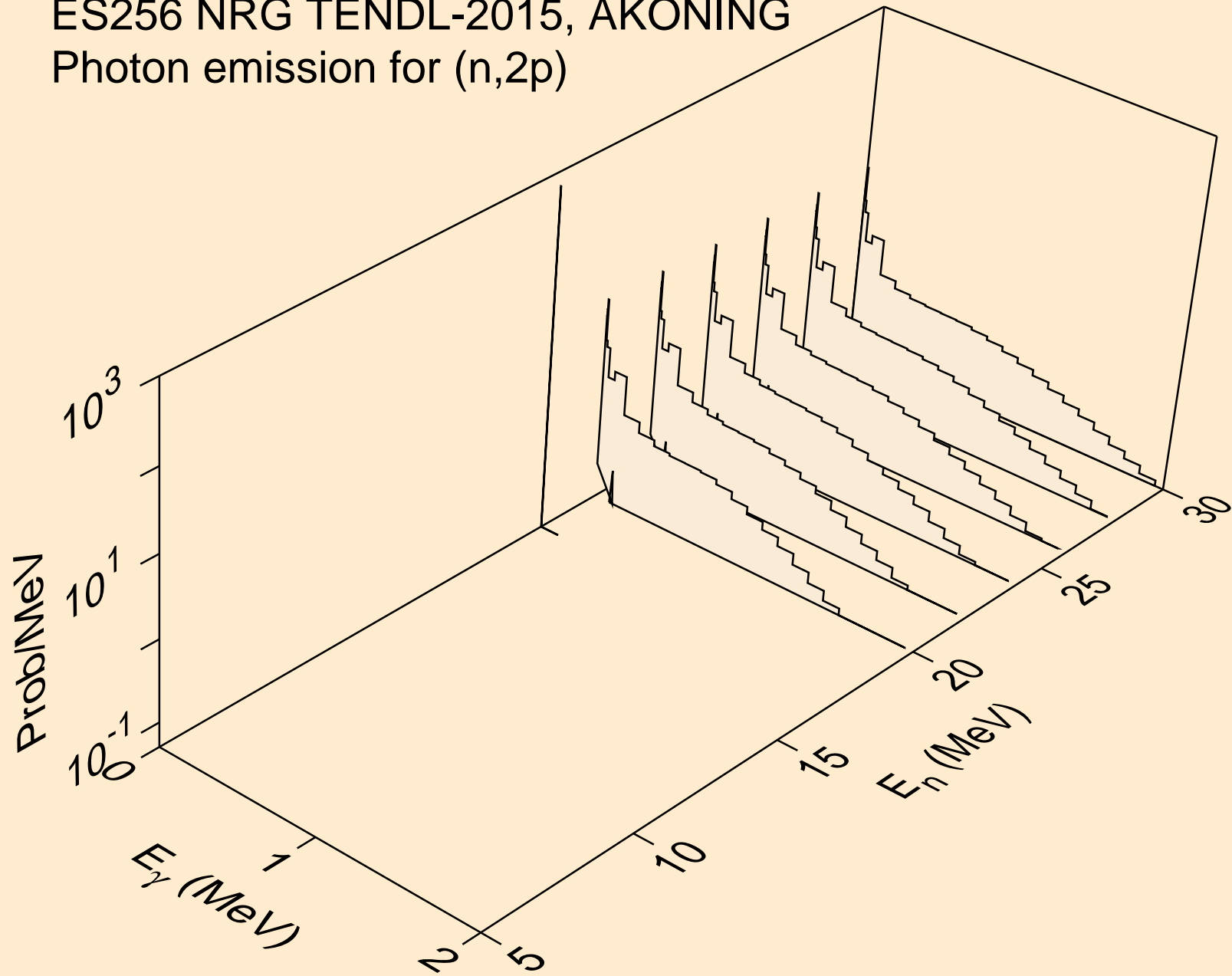
ES256 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



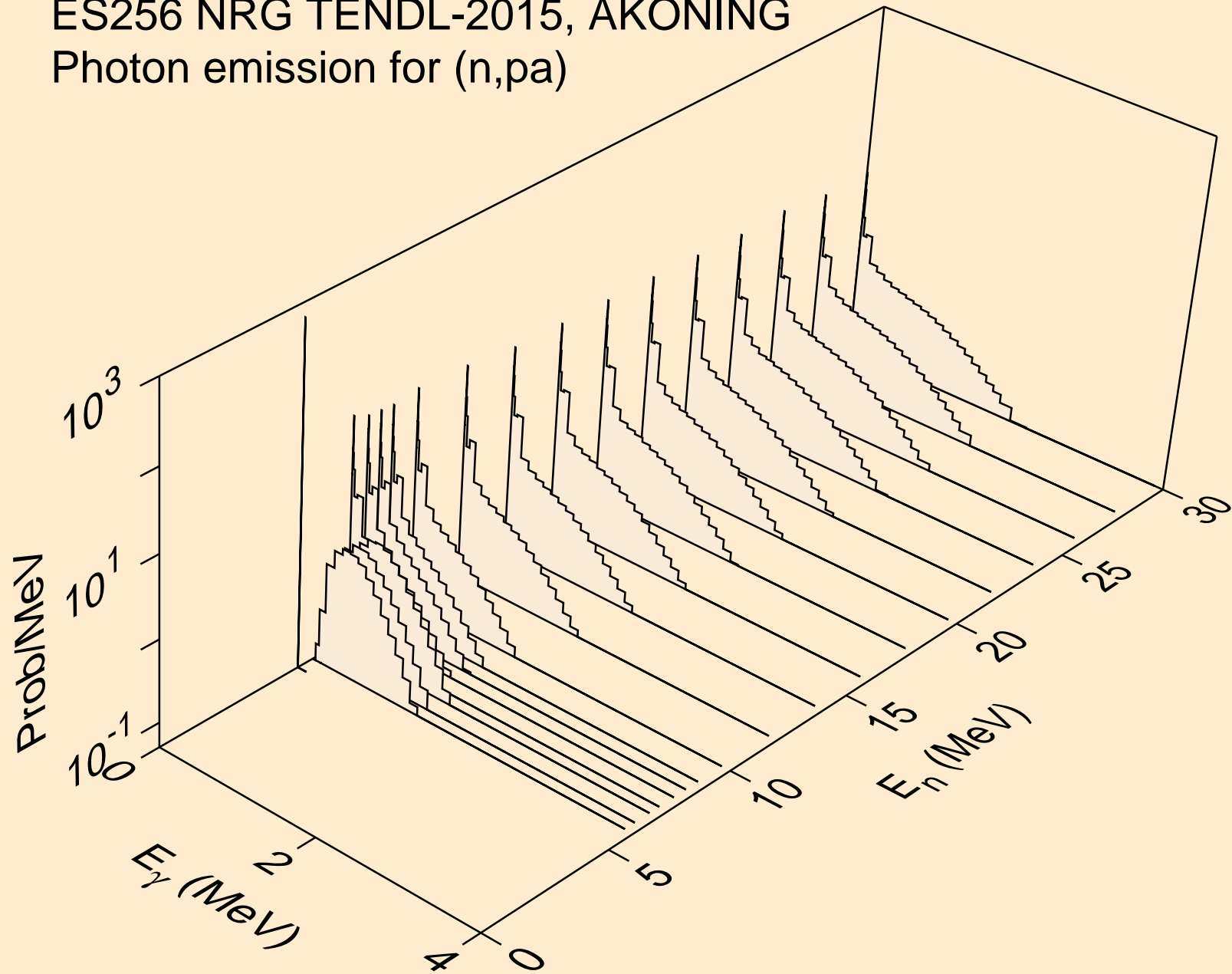
ES256 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



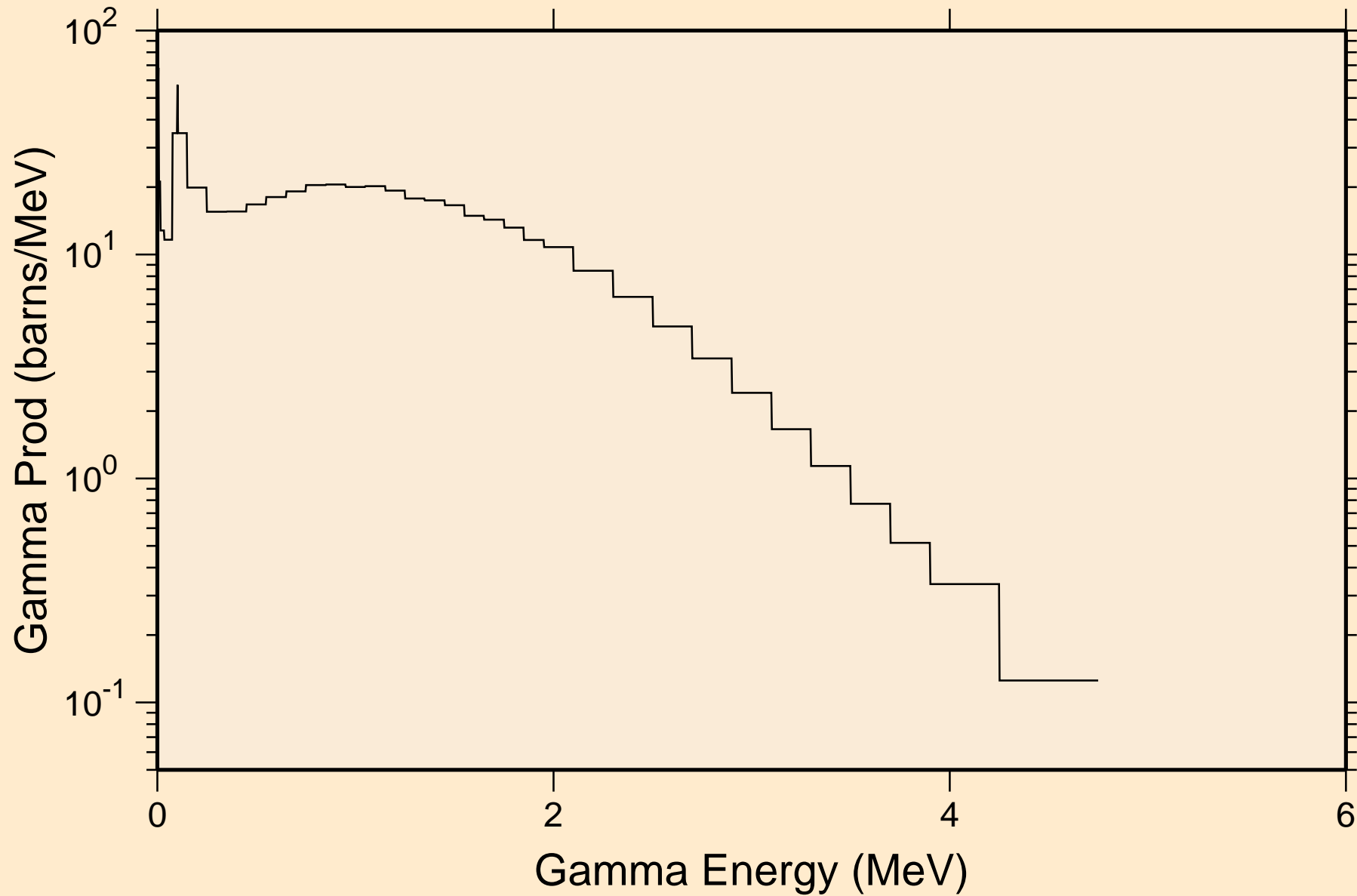
ES256 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



ES256 NRG TENDL-2015, AKONING  
Photon emission for (n,p $\alpha$ )

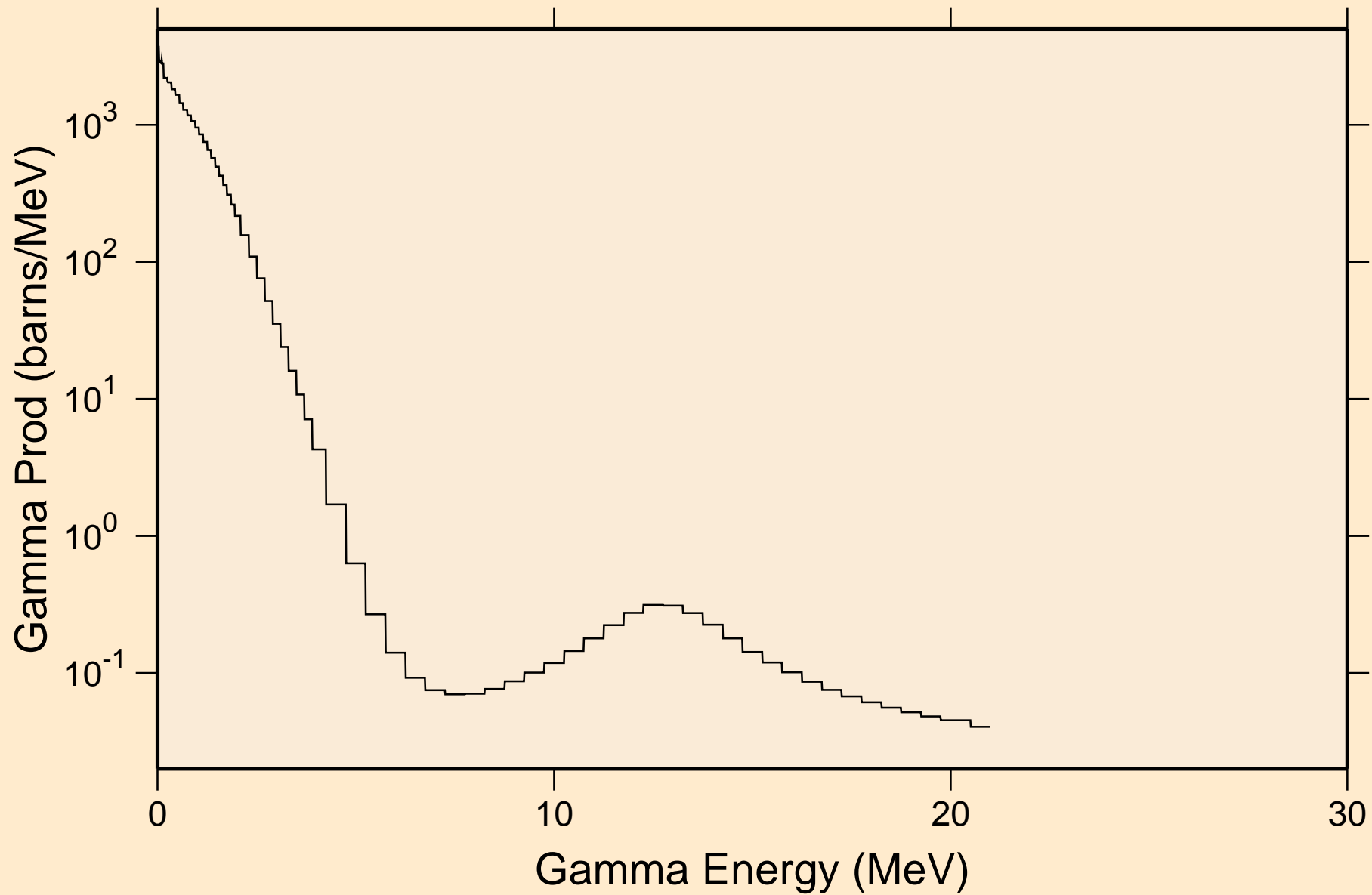


ES256 NRG TENDL-2015, AKONING  
thermal capture photon spectrum



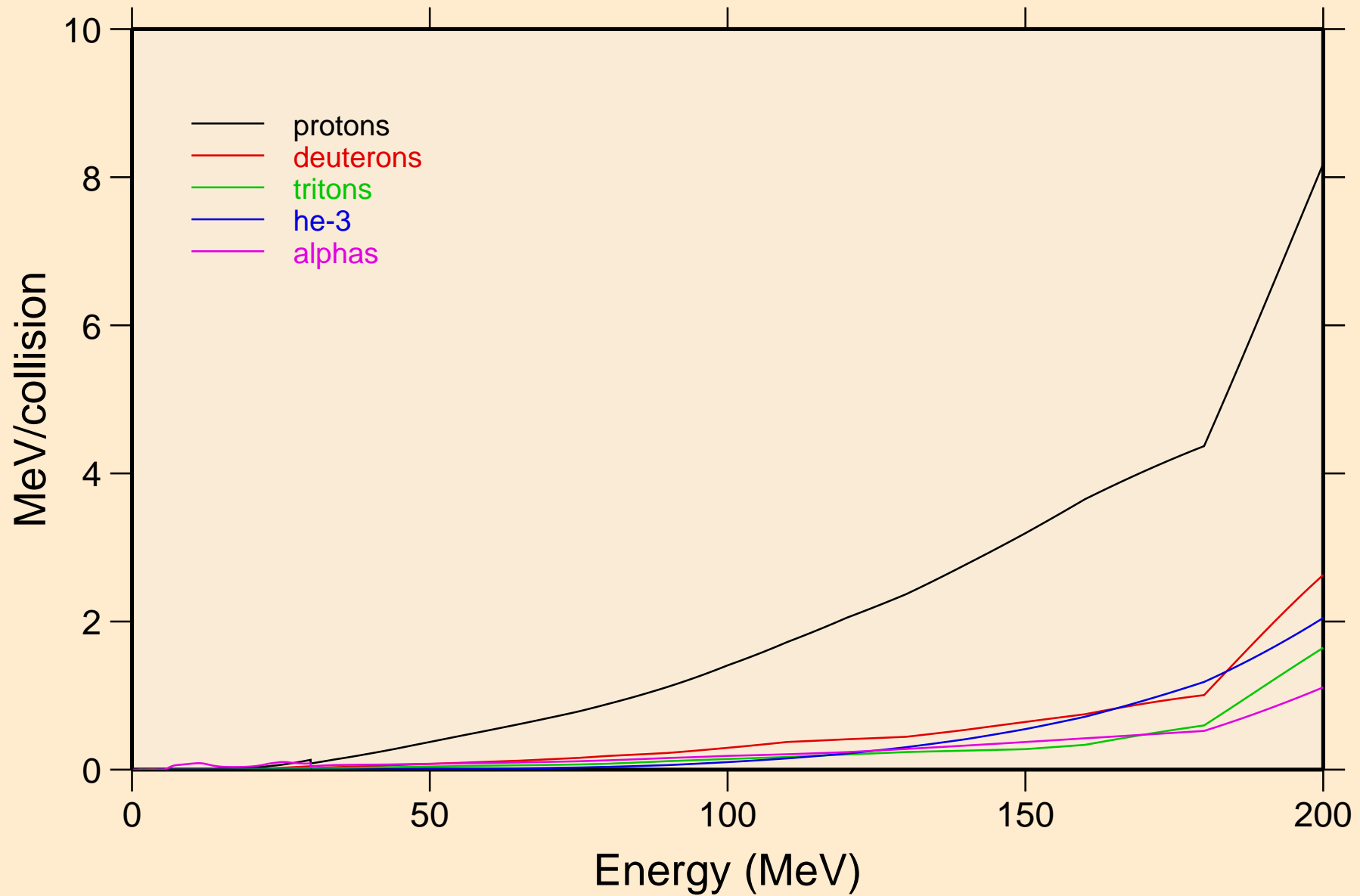


ES256 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



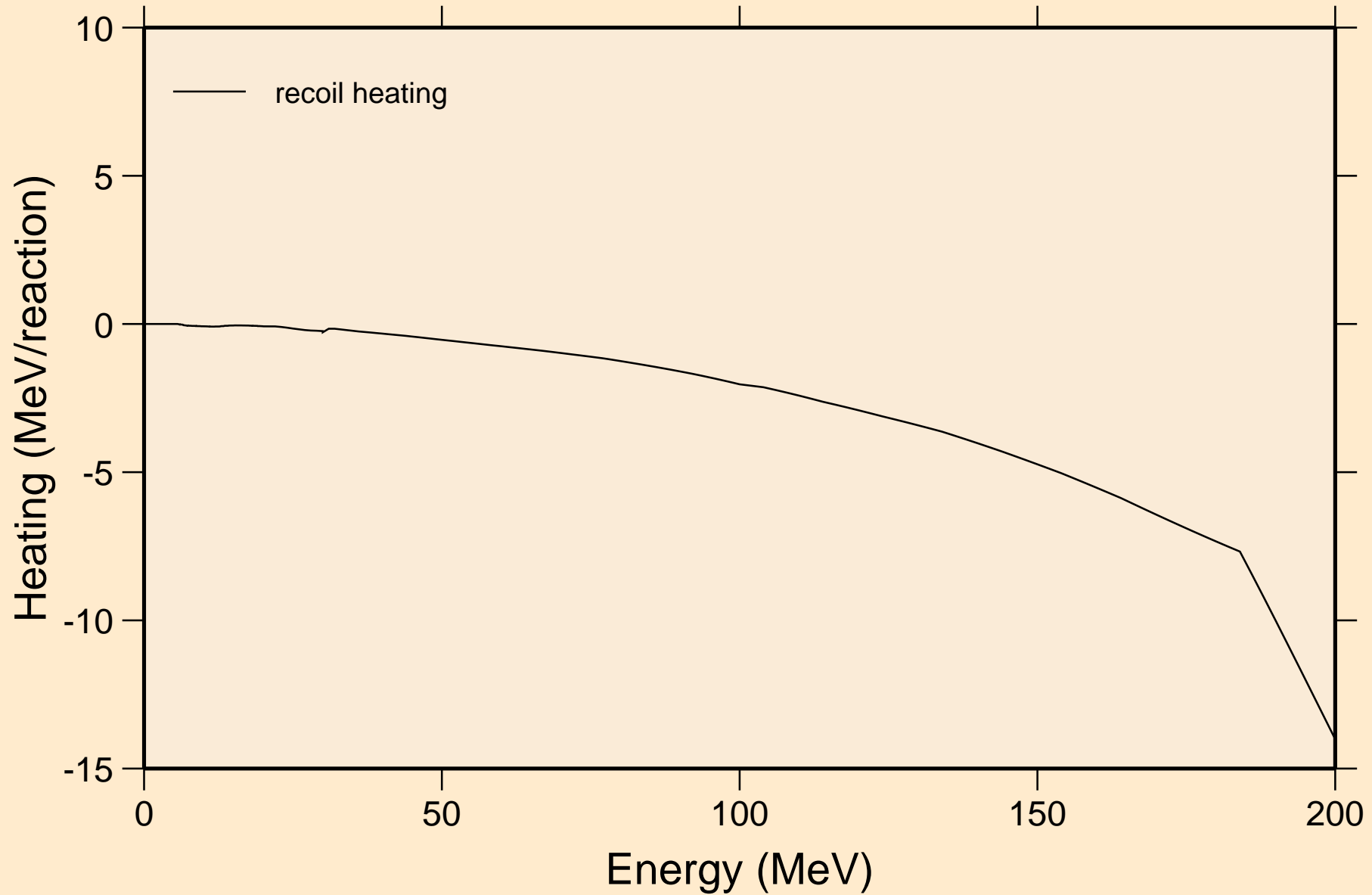
# ES256 NRG TENDL-2015, AKONING

## Particle heating contributions



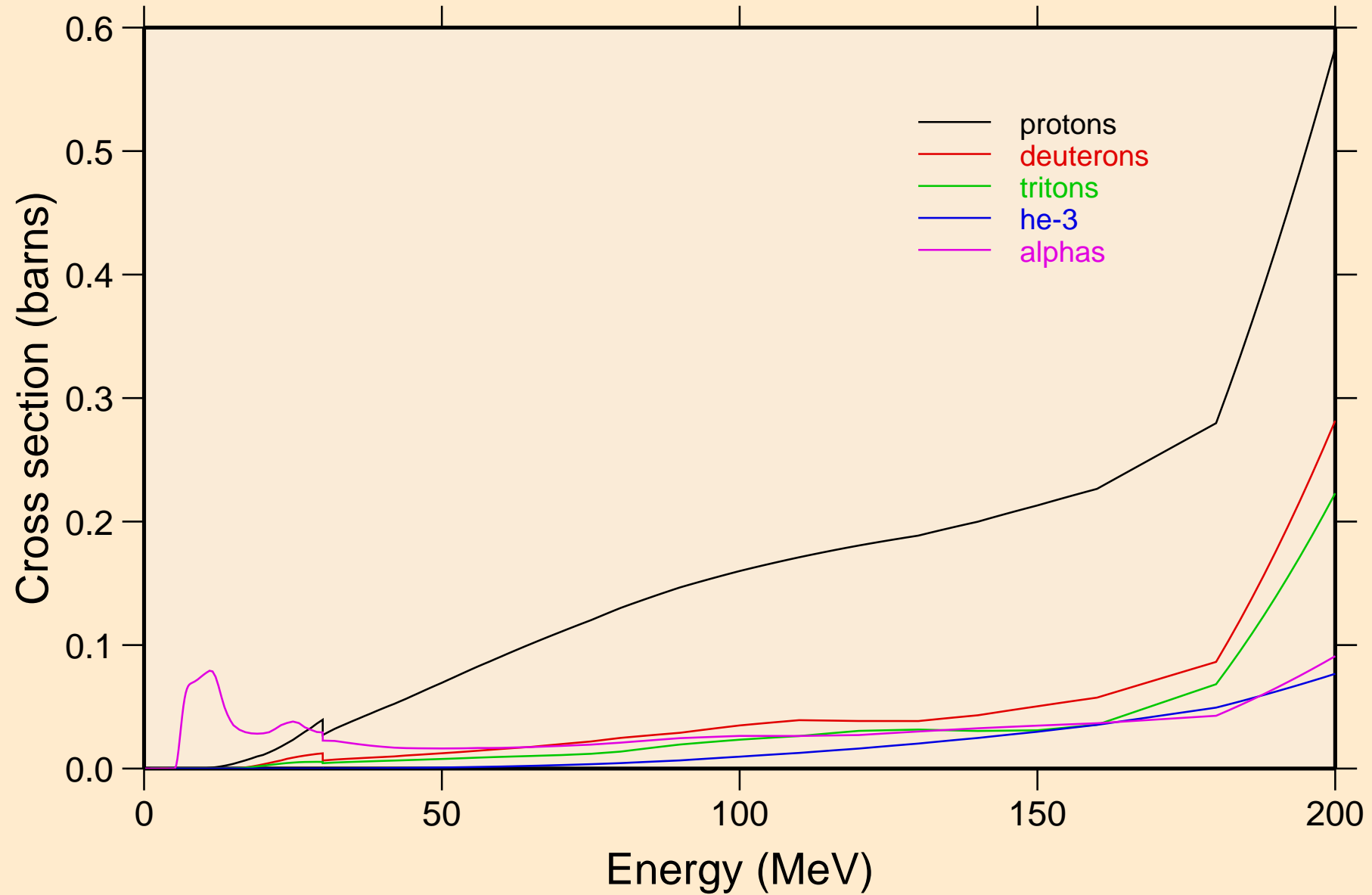
# ES256 NRG TENDL-2015, AKONING

## Recoil Heating

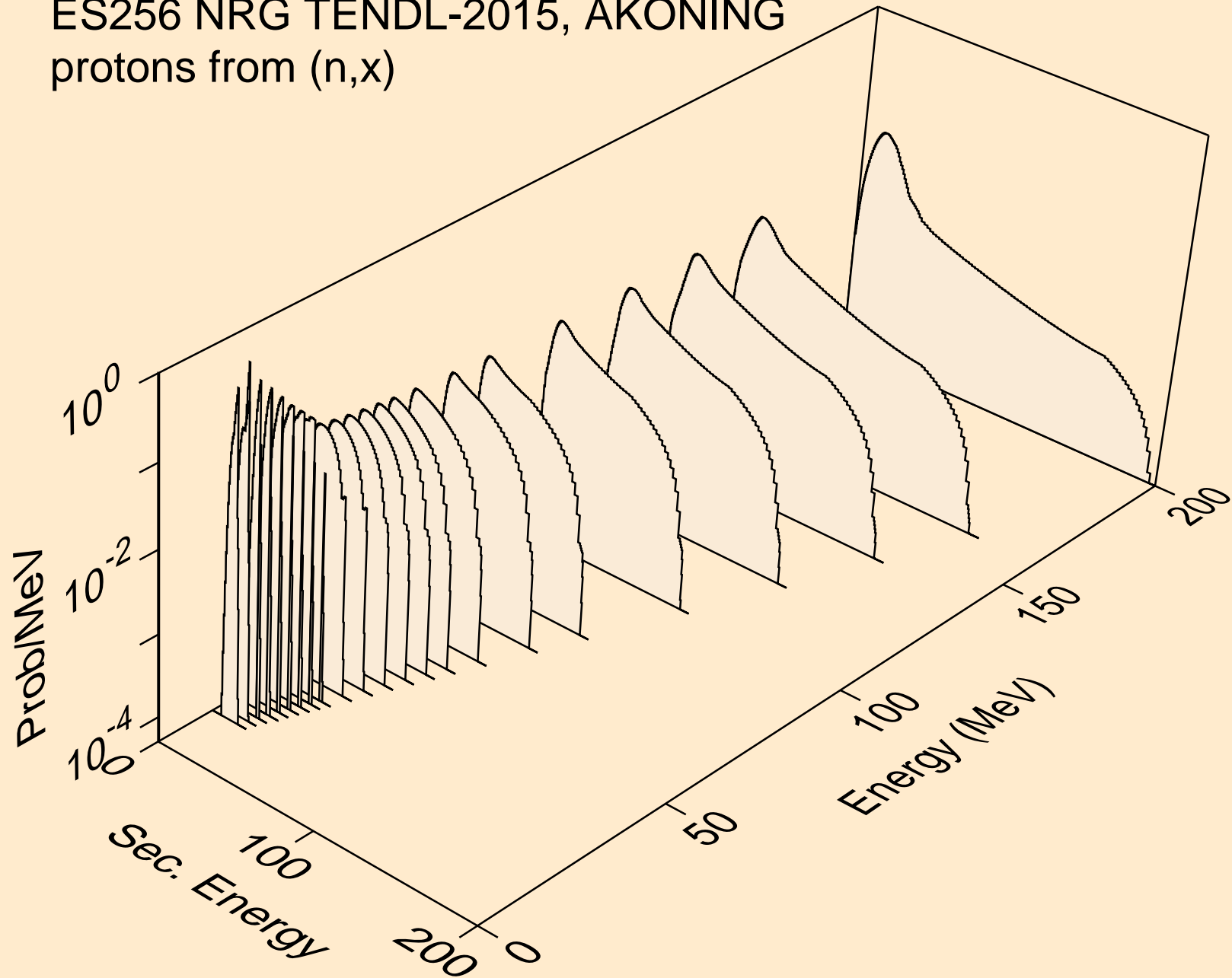


# ES256 NRG TENDL-2015, AKONING

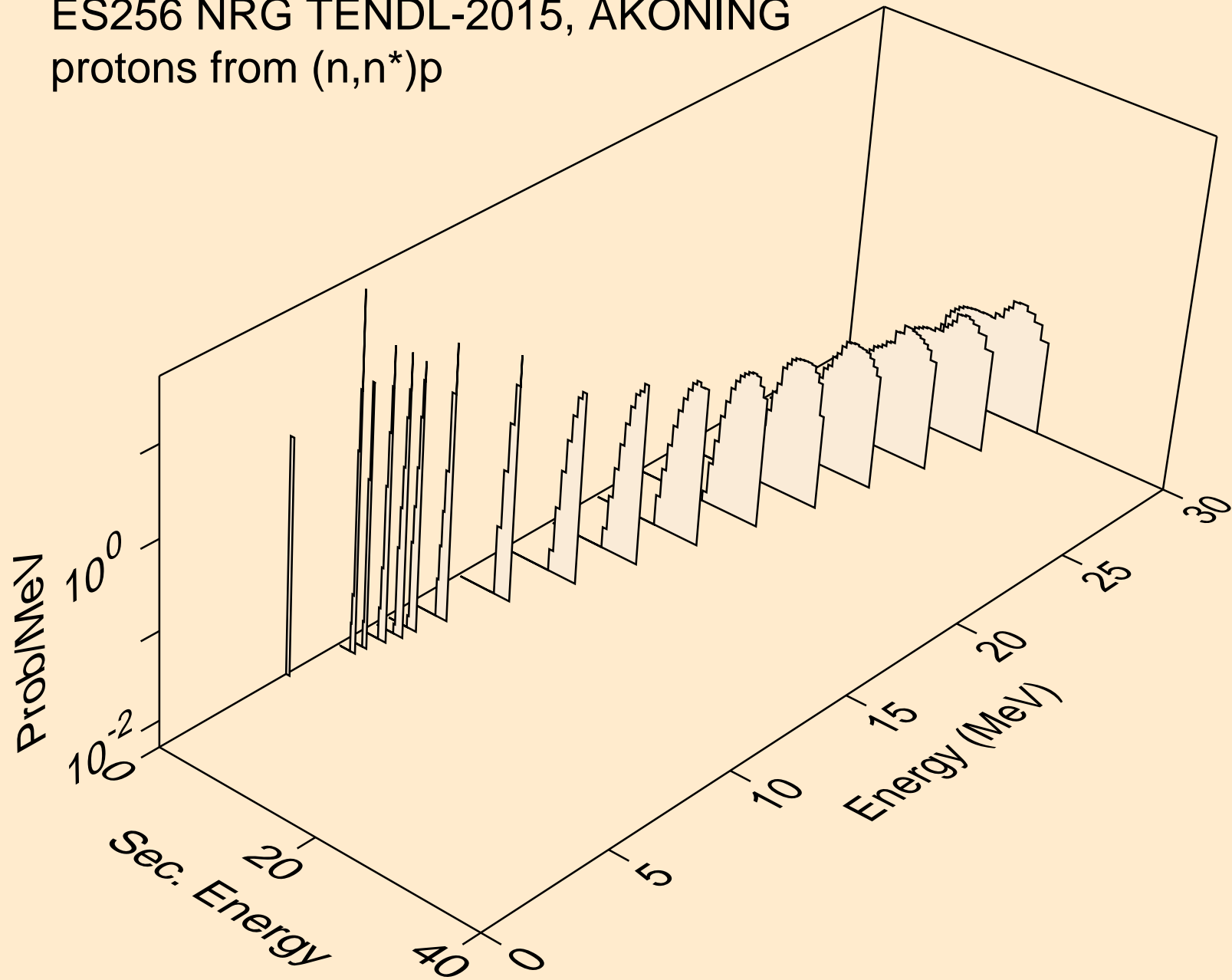
## Particle production cross sections



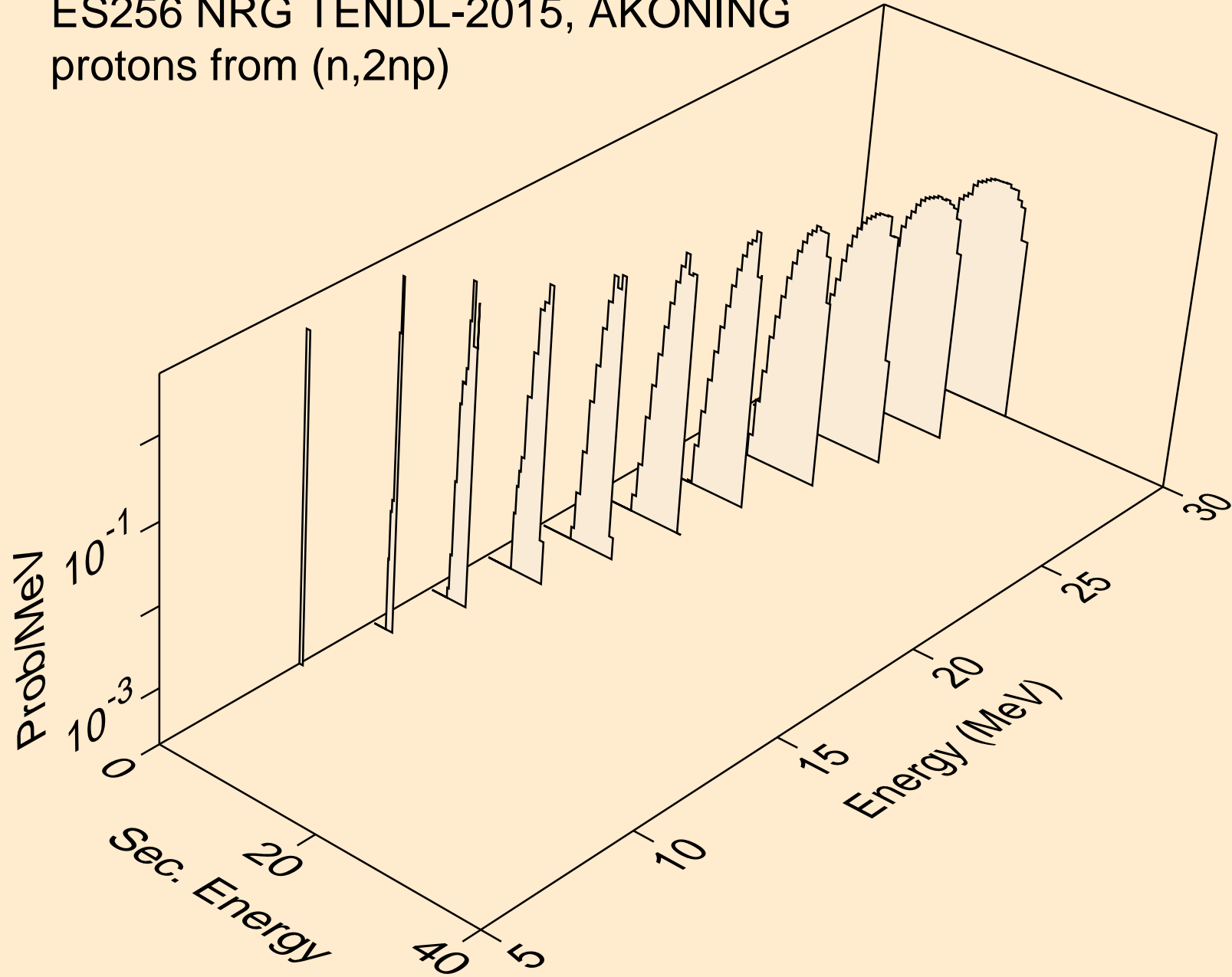
ES256 NRG TENDL-2015, AKONING  
protons from (n,x)



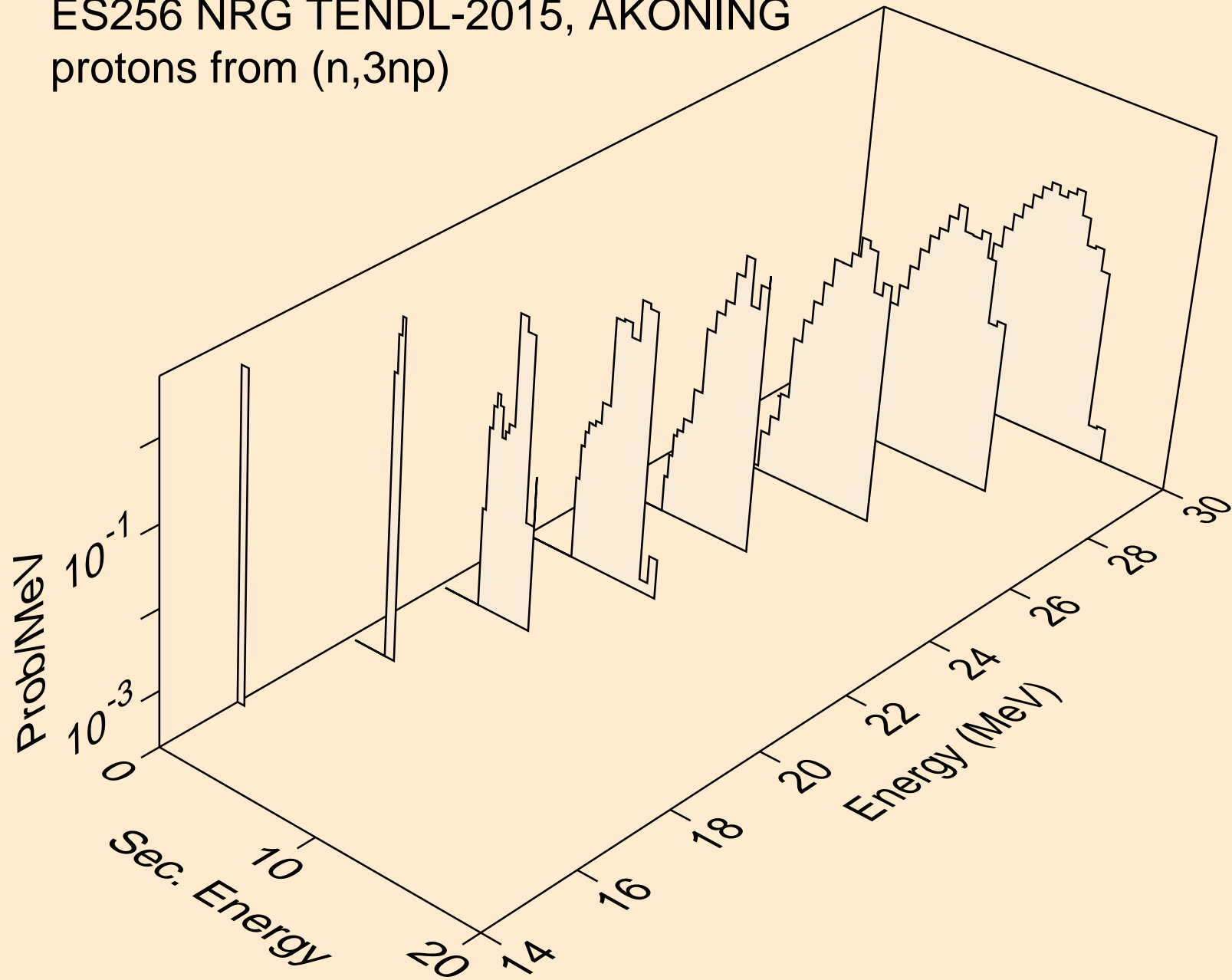
ES256 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



ES256 NRG TENDL-2015, AKONING  
protons from (n,2np)

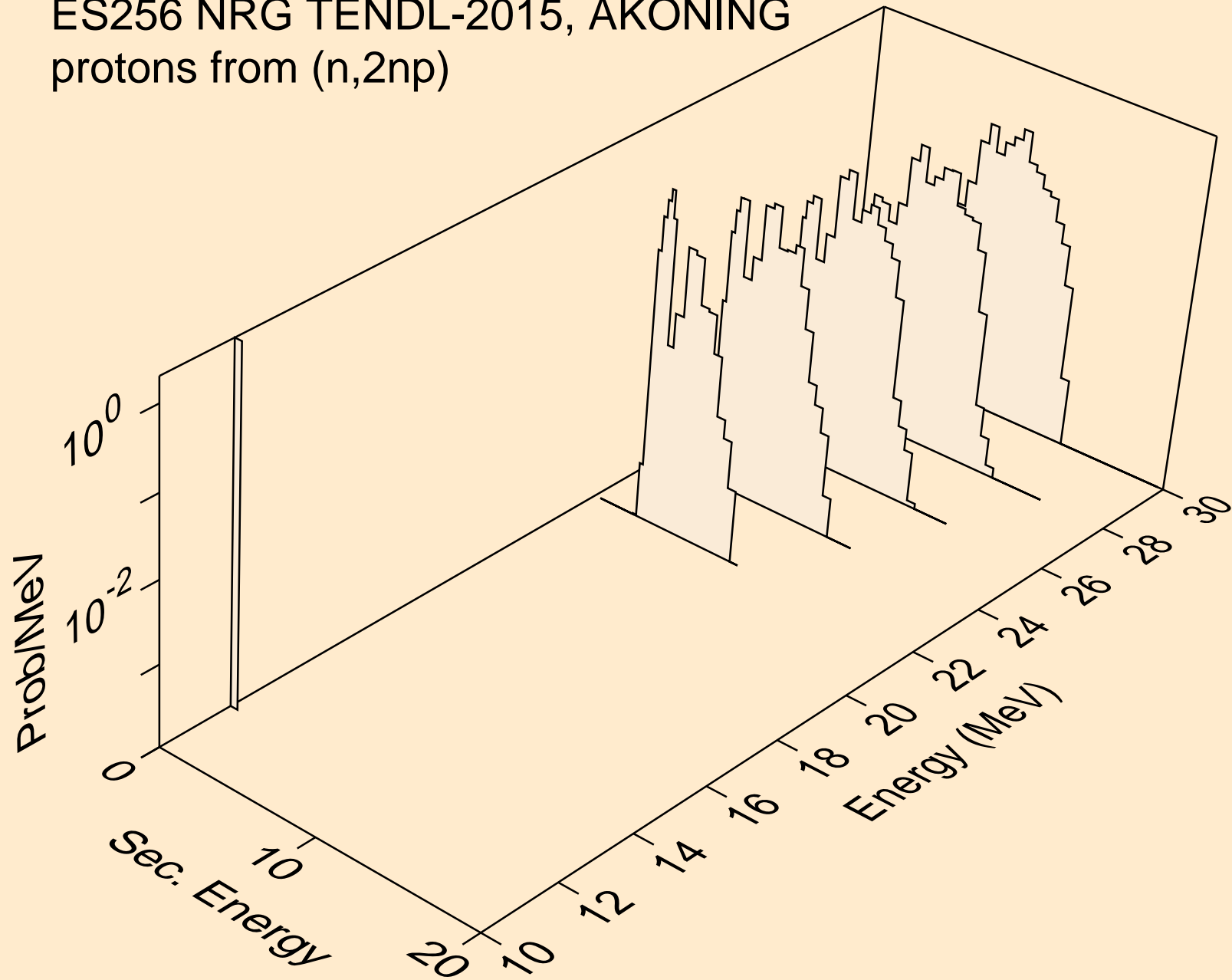


ES256 NRG TENDL-2015, AKONING  
protons from (n,3np)

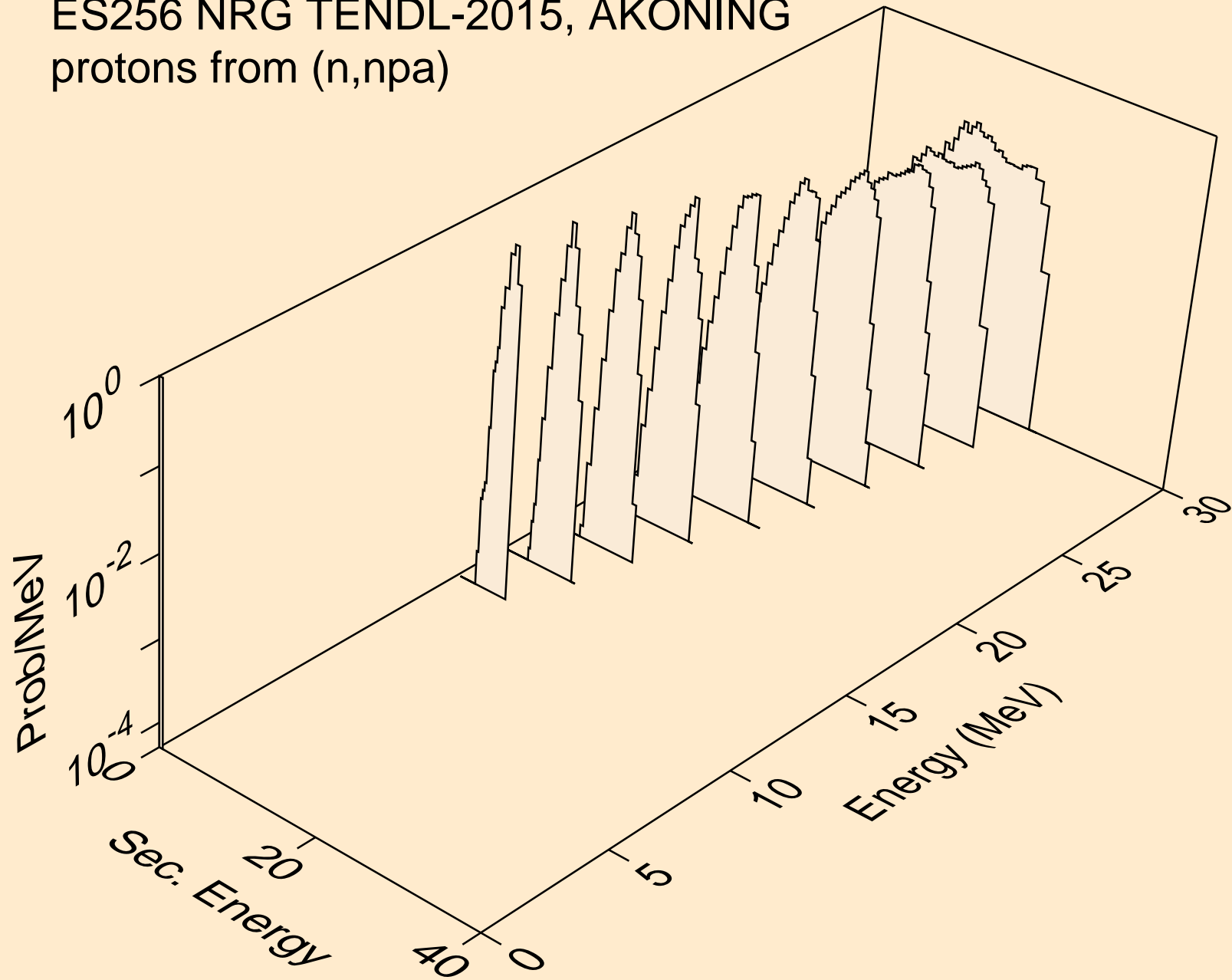




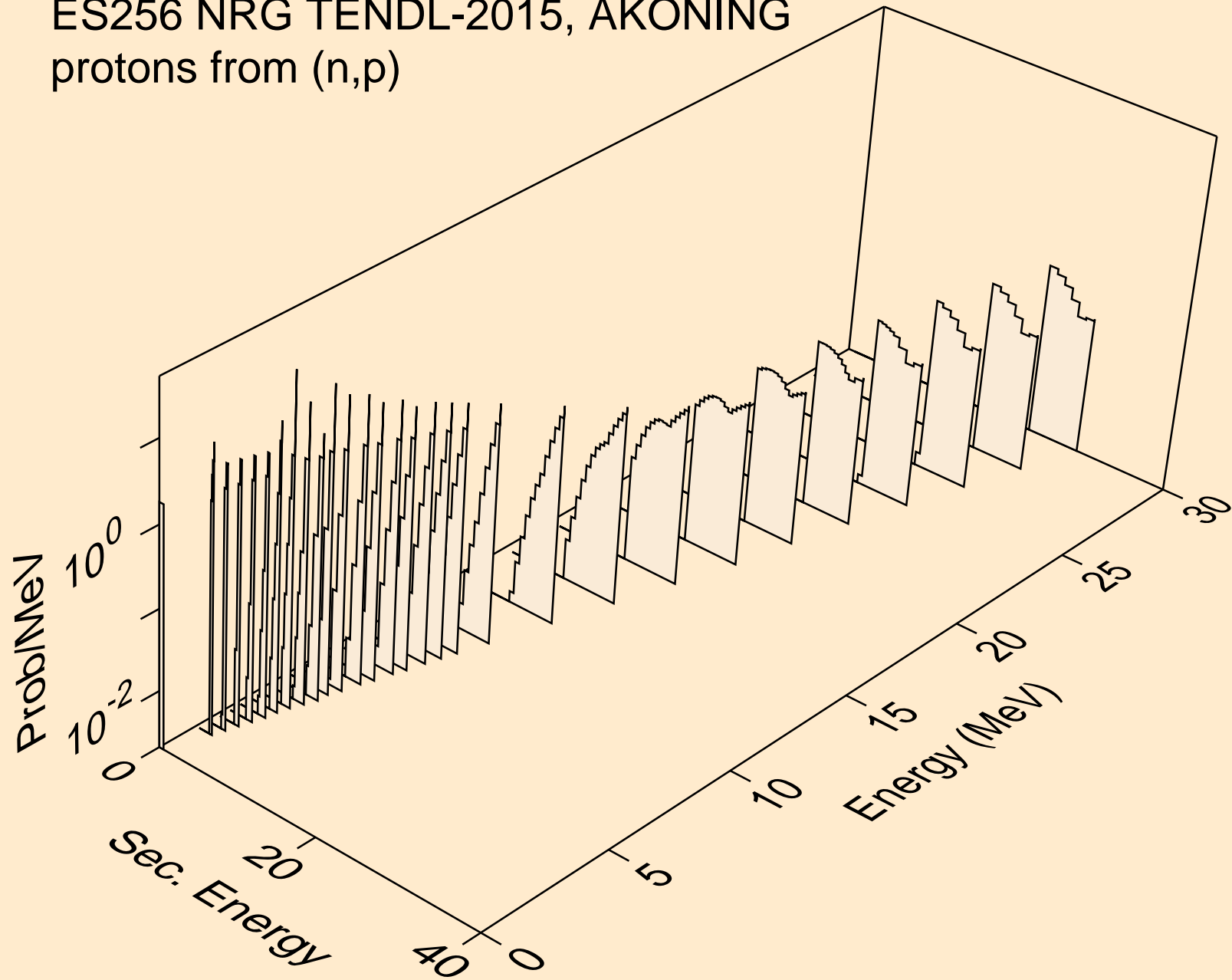
ES256 NRG TENDL-2015, AKONING  
protons from (n,2np)



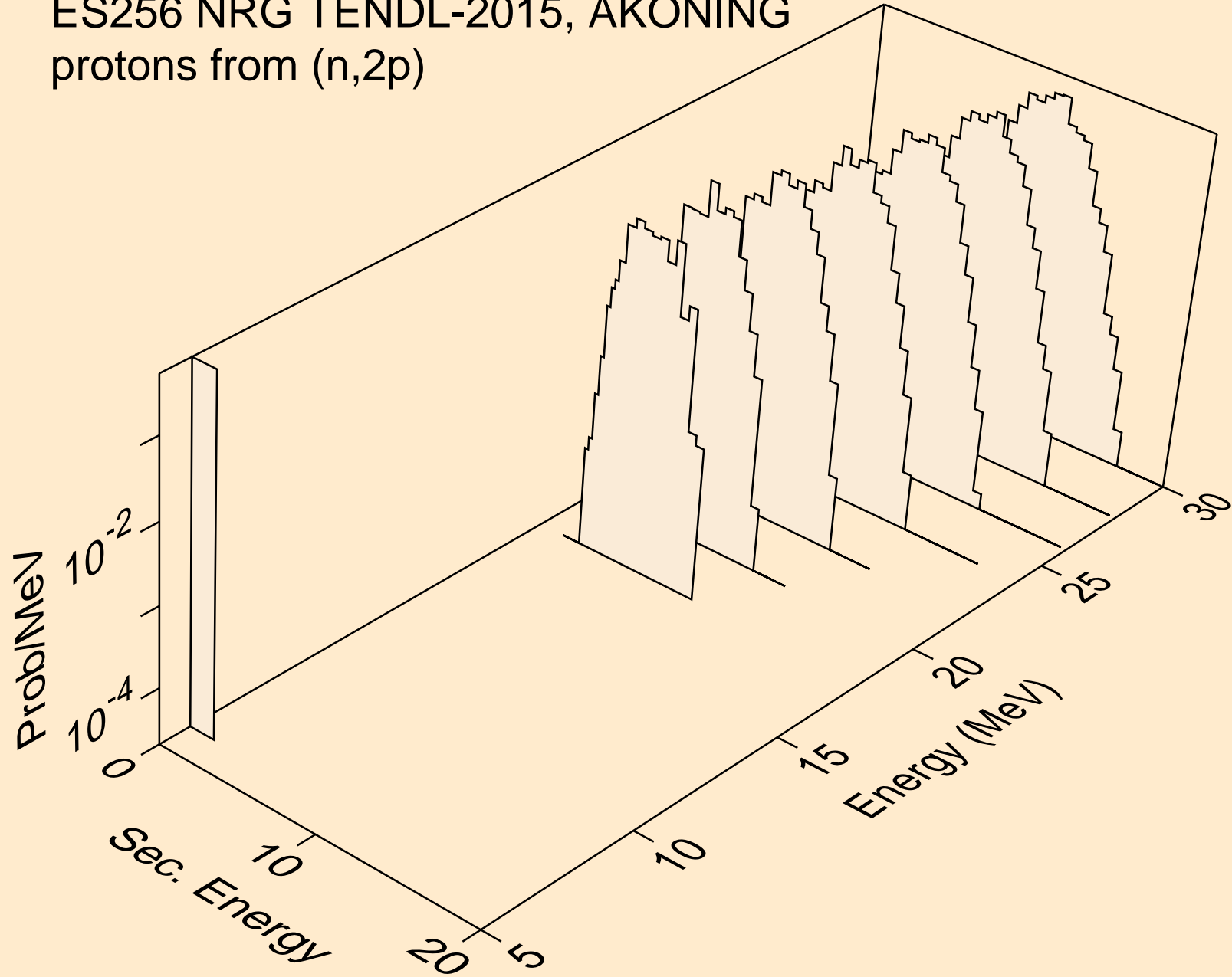
ES256 NRG TENDL-2015, AKONING  
protons from (n,npa)



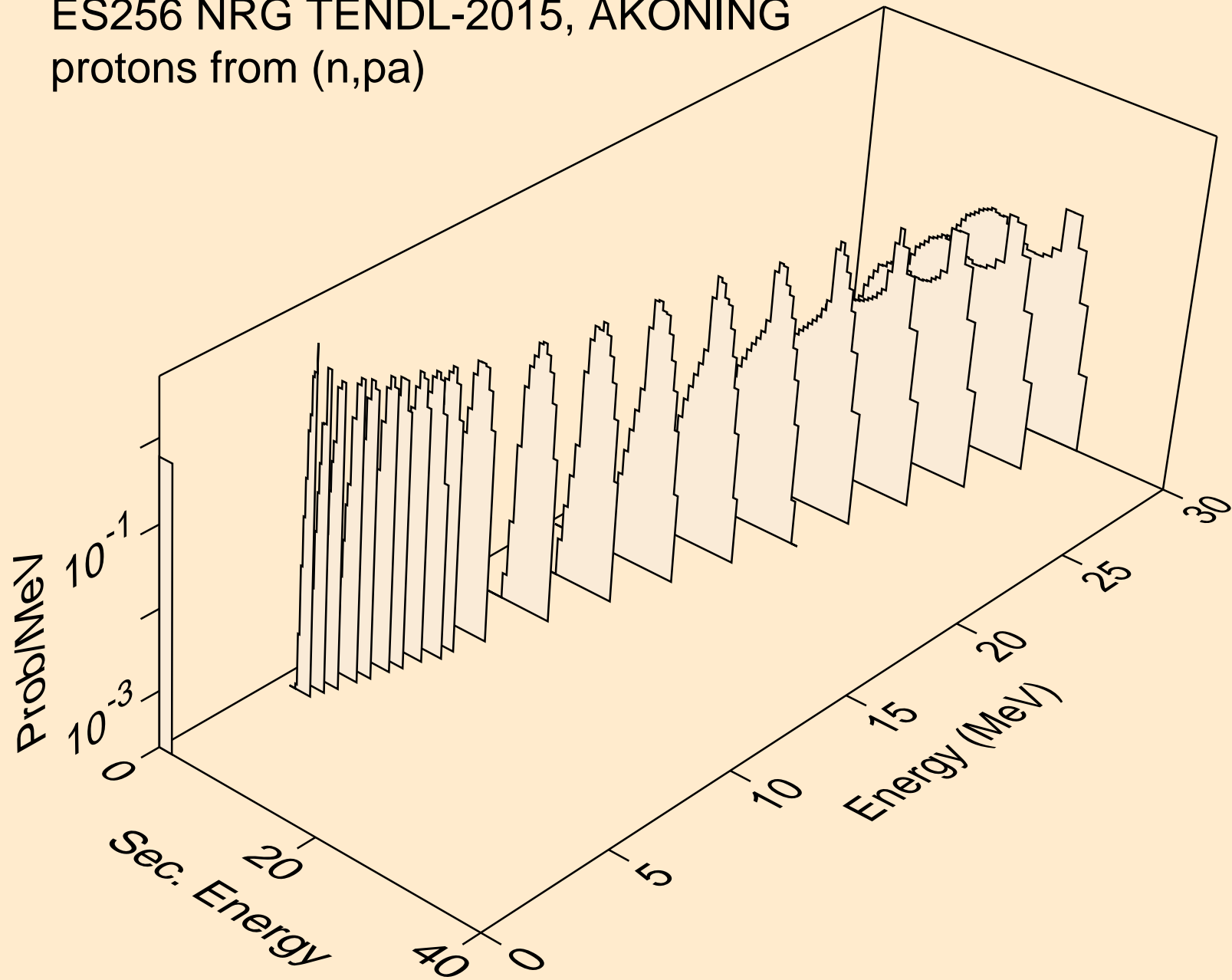
ES256 NRG TENDL-2015, AKONING  
protons from (n,p)



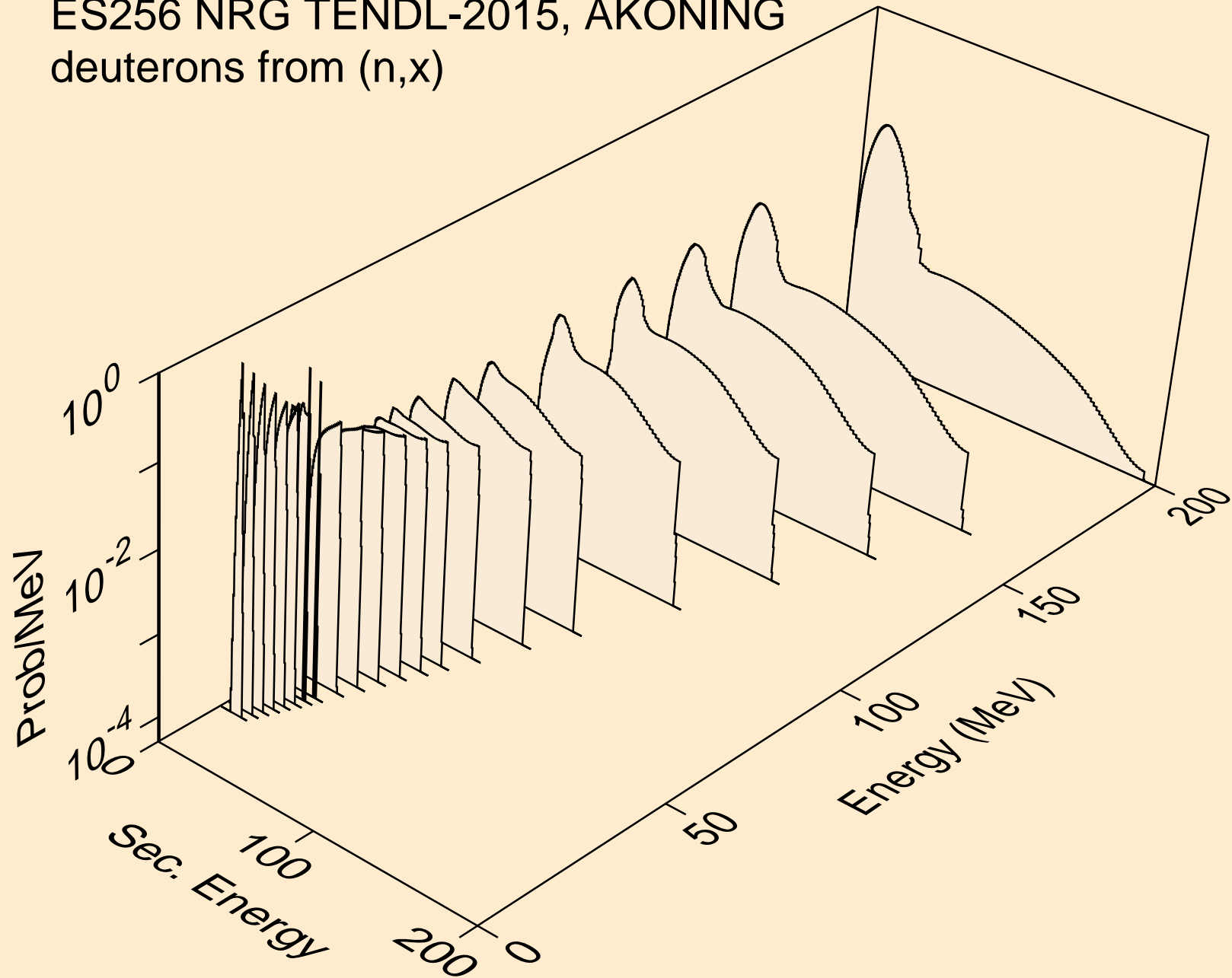
ES256 NRG TENDL-2015, AKONING  
protons from (n,2p)



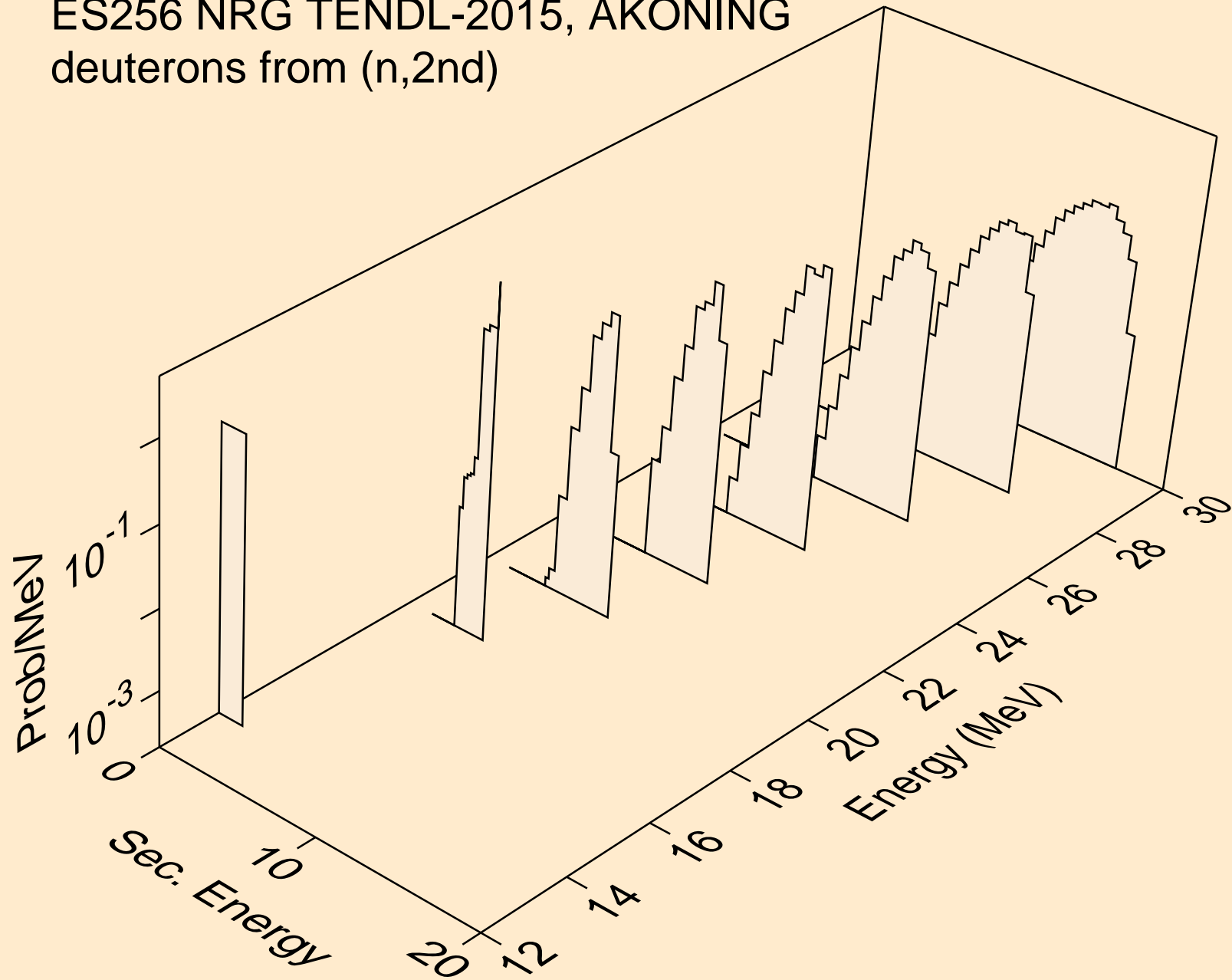
ES256 NRG TENDL-2015, AKONING  
protons from (n,pa)



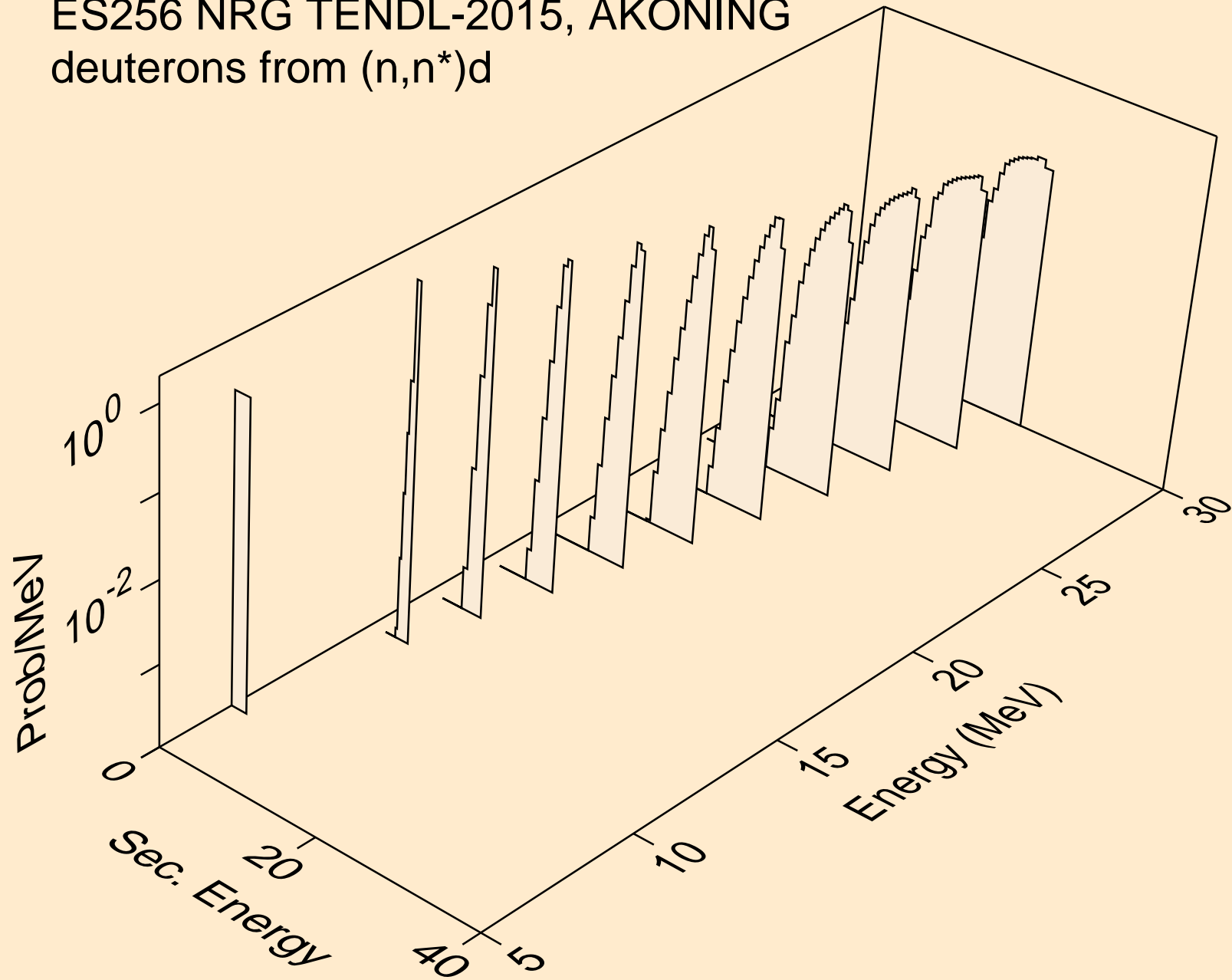
ES256 NRG TENDL-2015, AKONING  
deuterons from (n,x)



ES256 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)

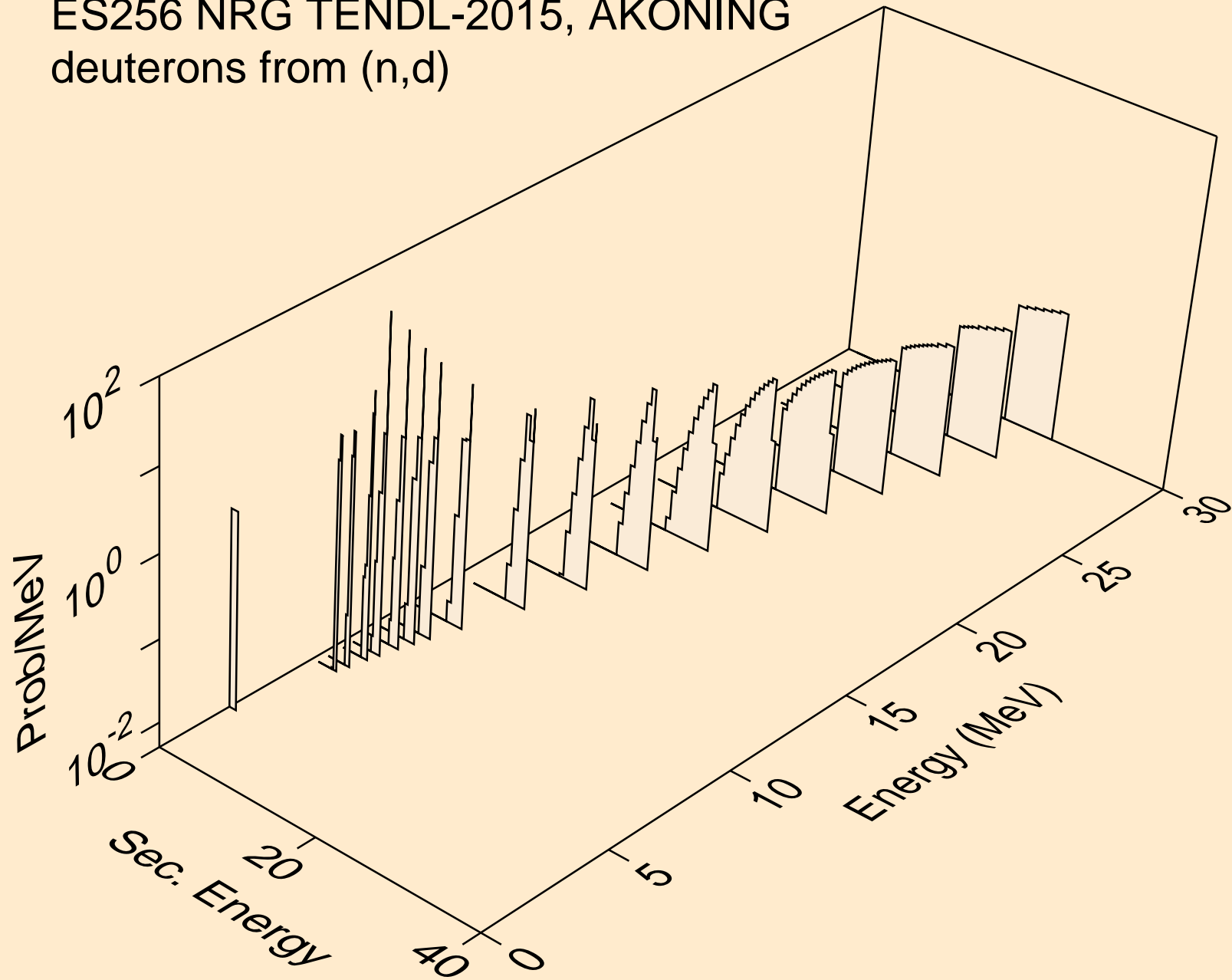


ES256 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d

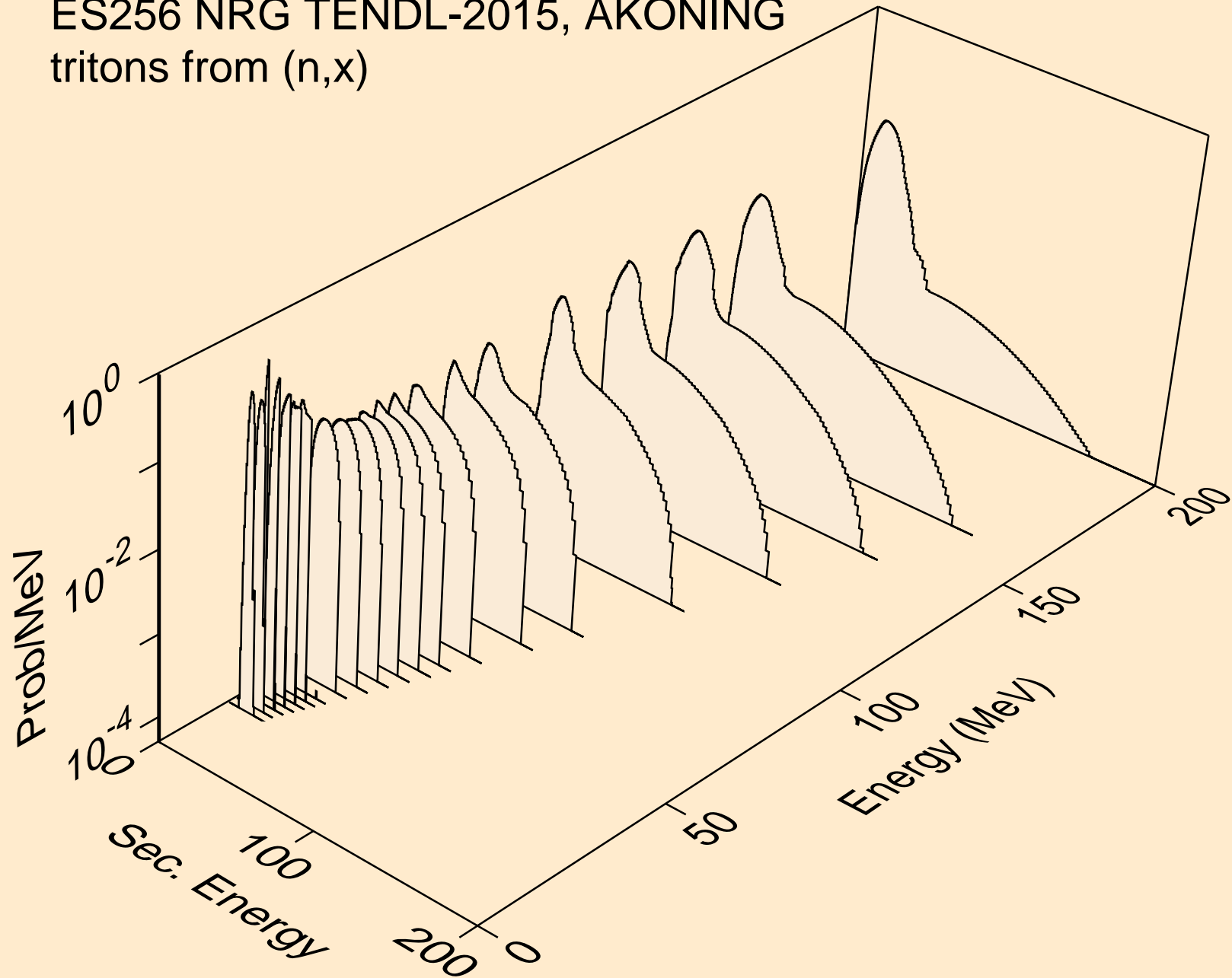




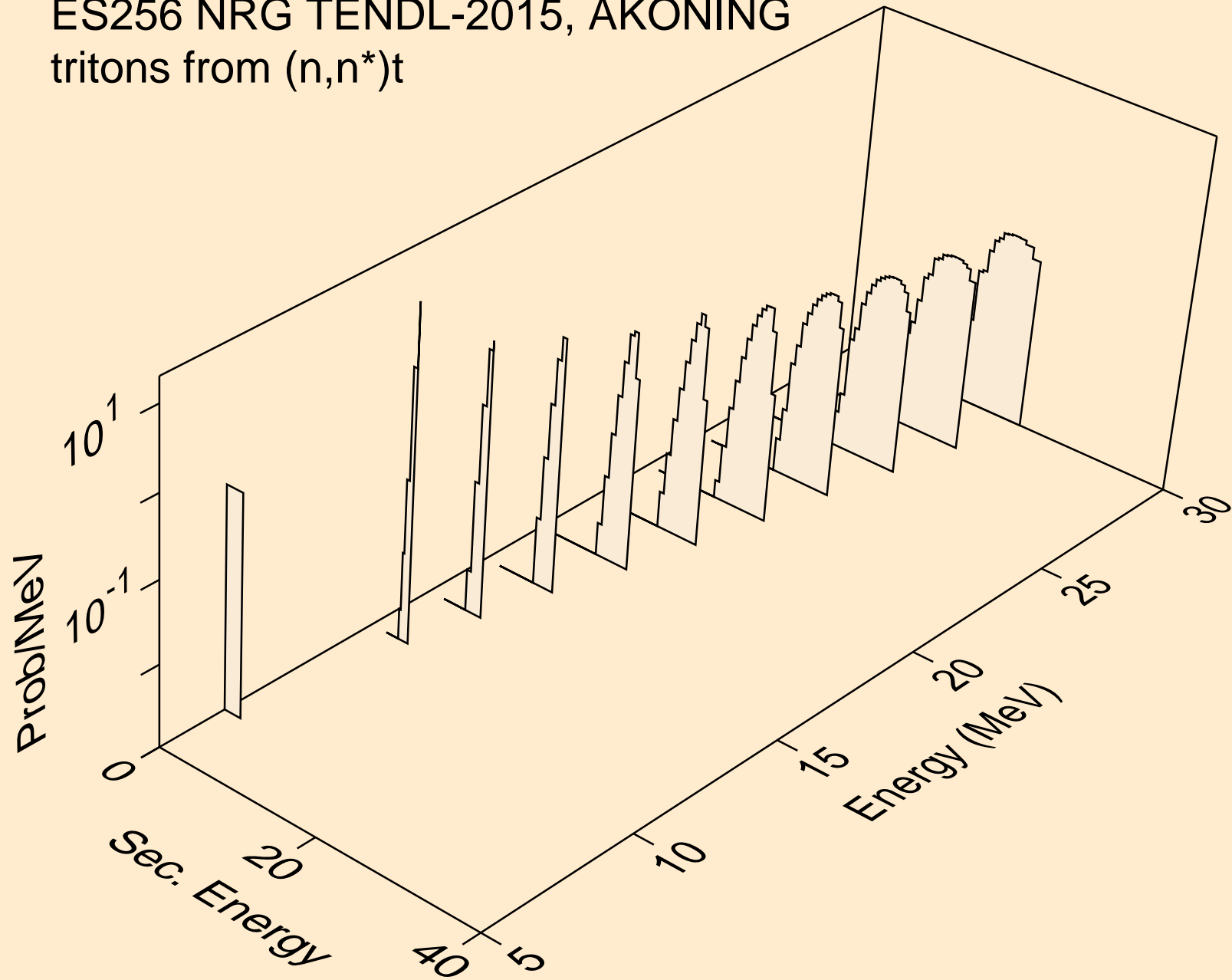
ES256 NRG TENDL-2015, AKONING  
deuterons from (n,d)



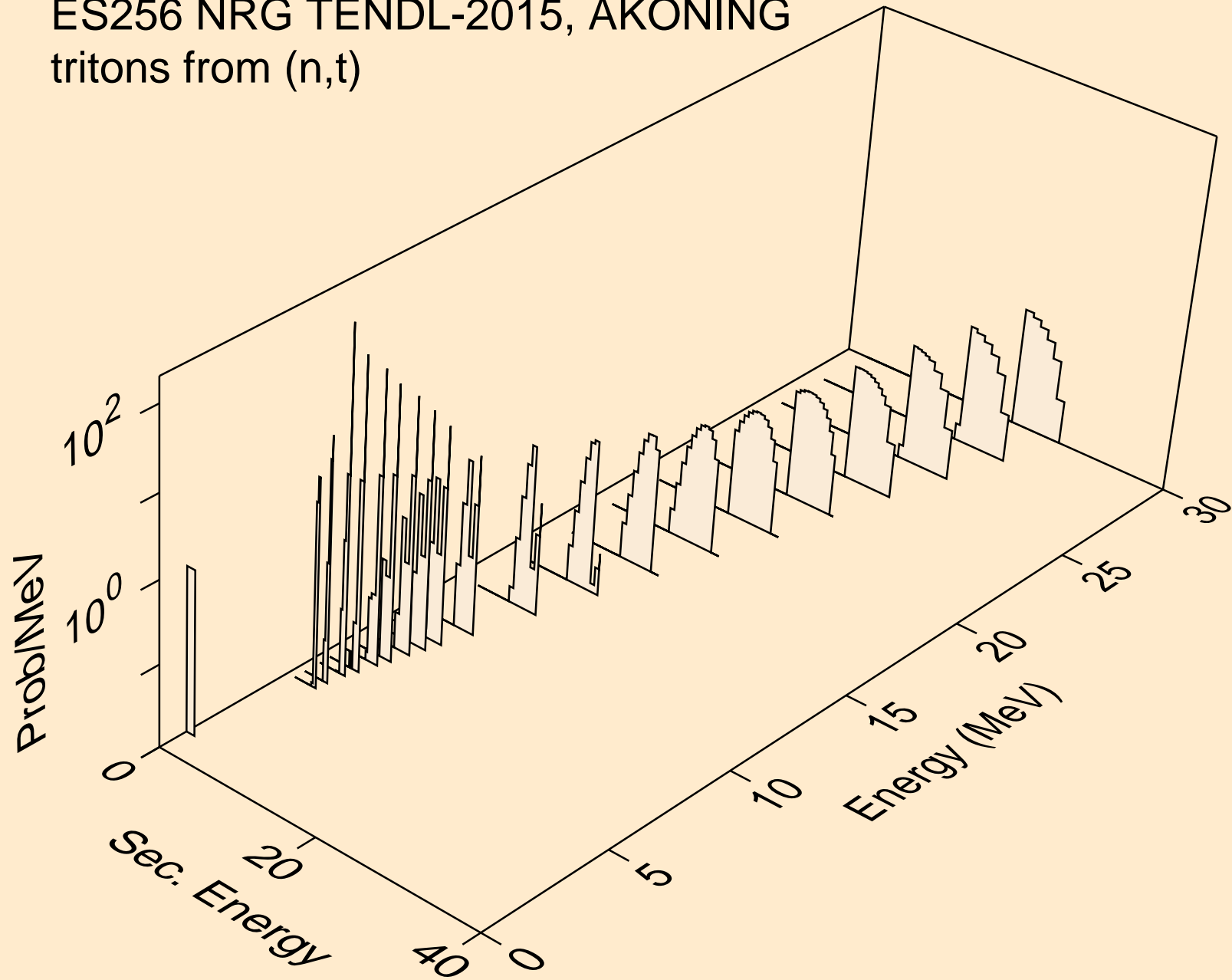
ES256 NRG TENDL-2015, AKONING  
tritons from (n,x)



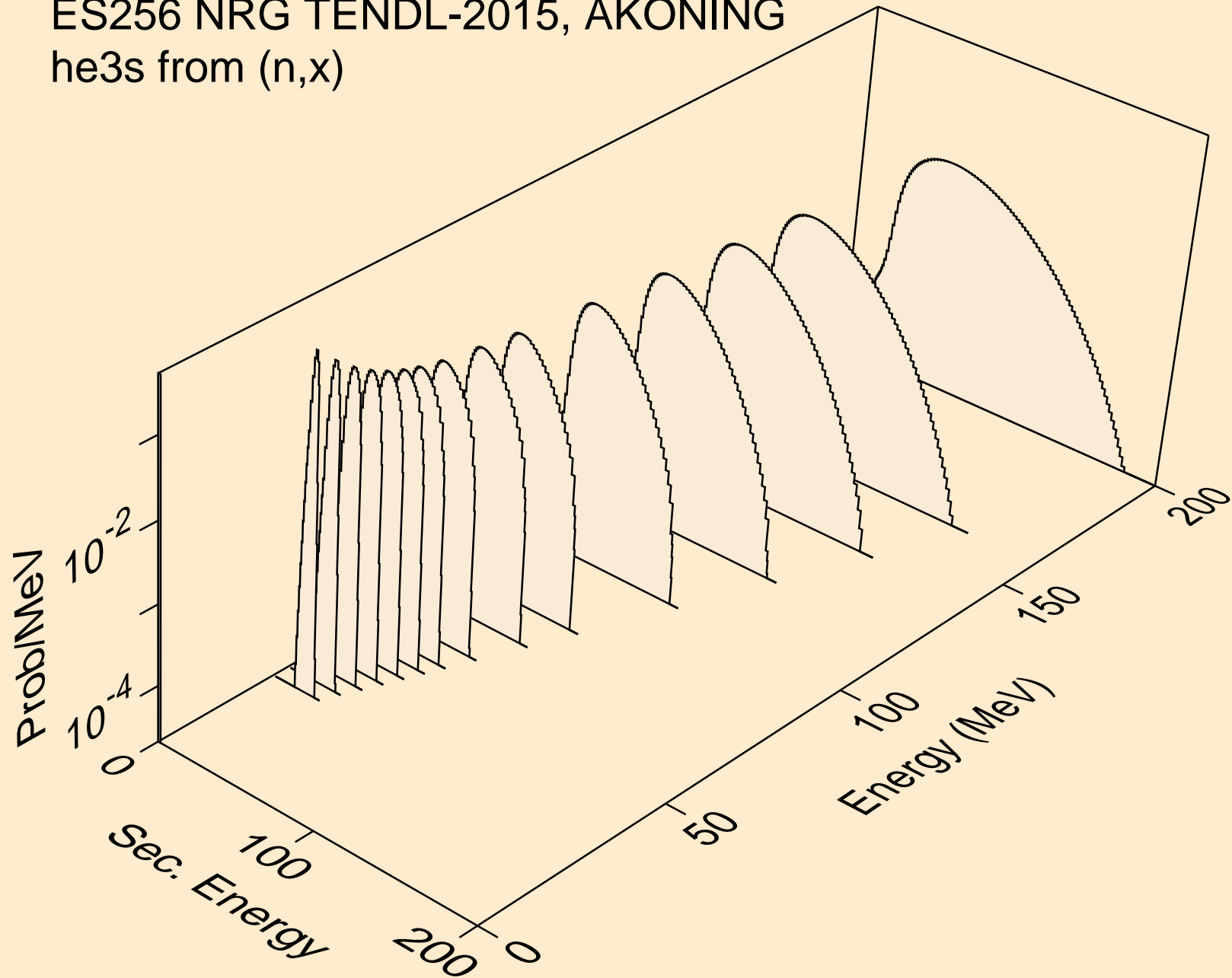
ES256 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



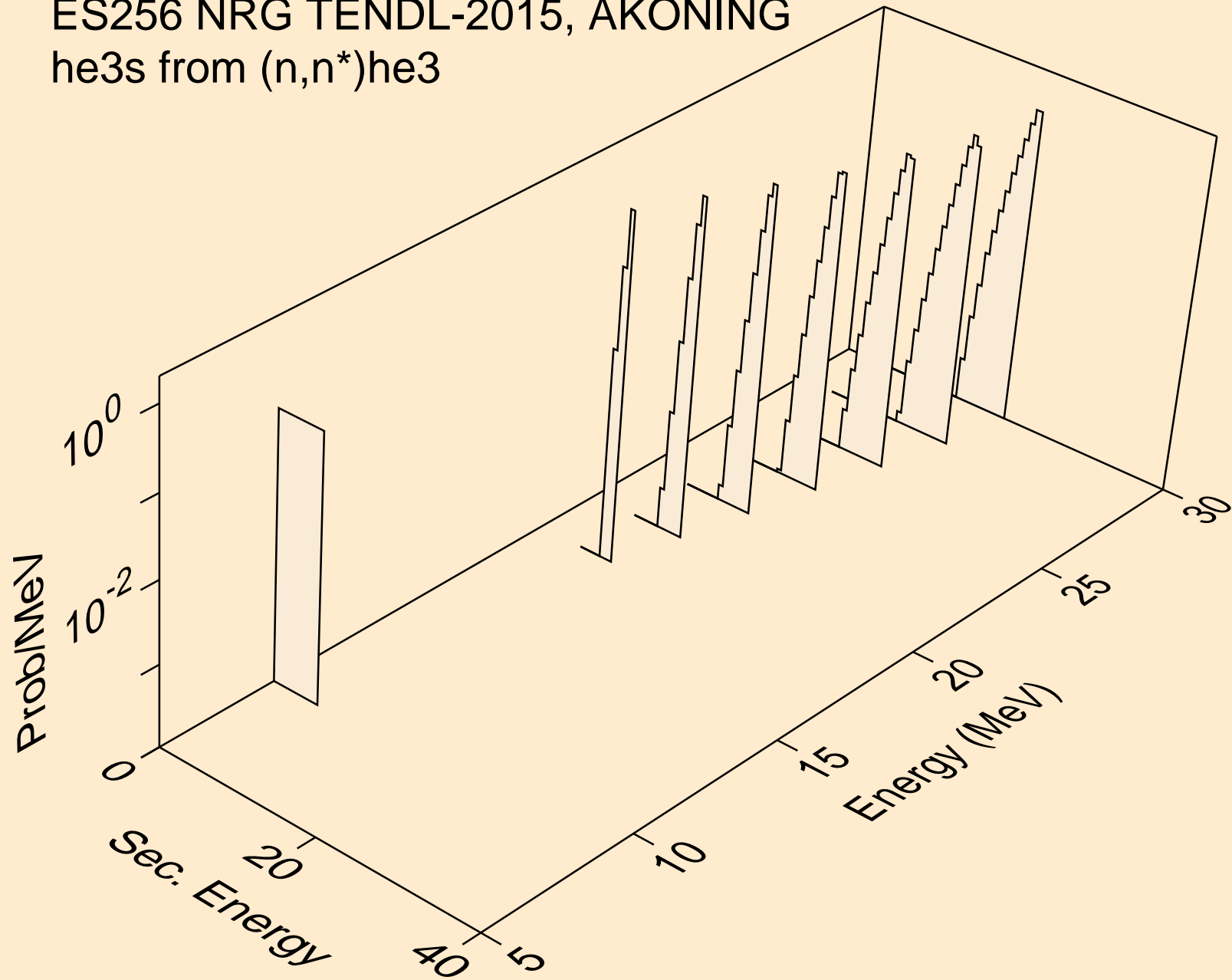
ES256 NRG TENDL-2015, AKONING  
tritons from (n,t)



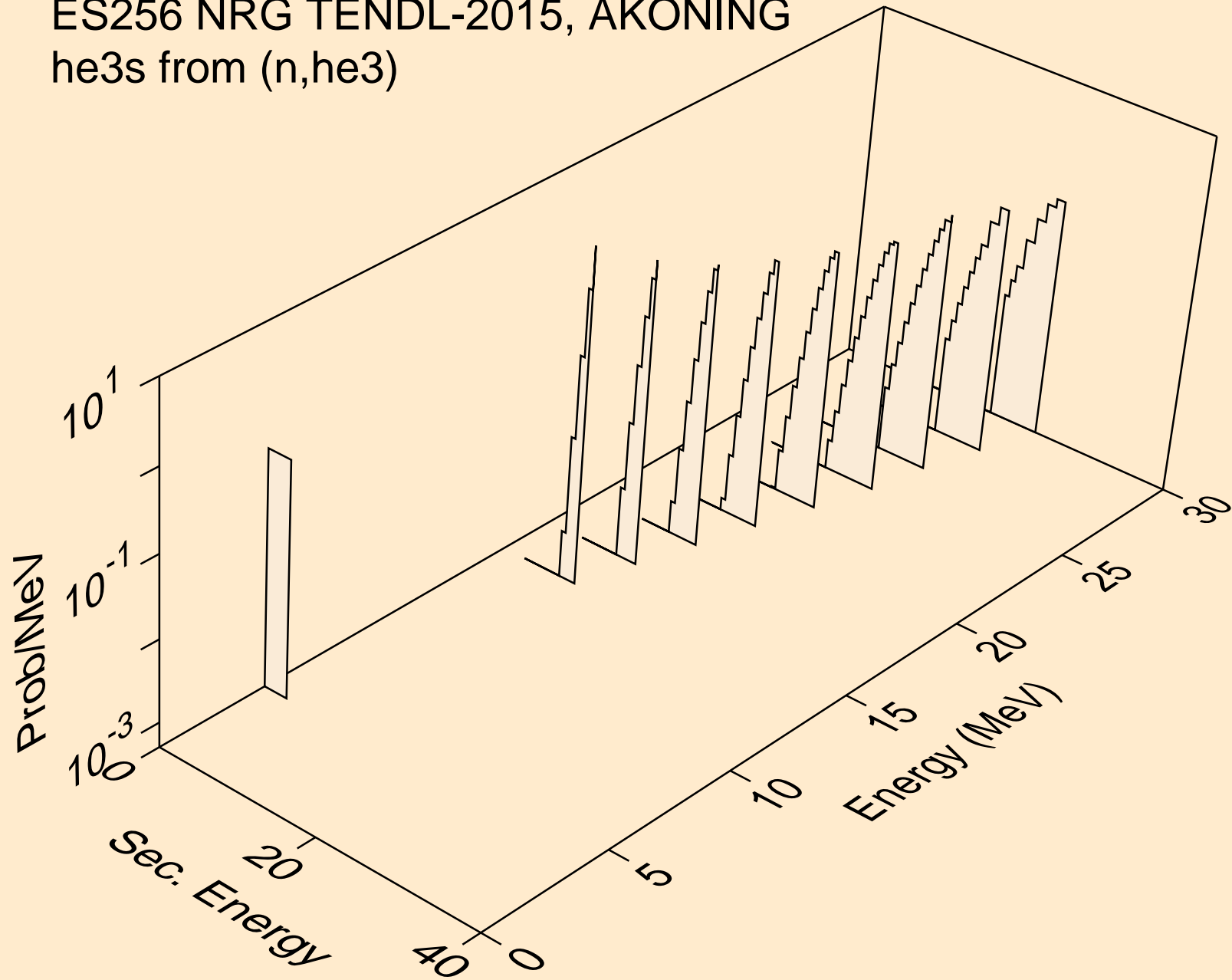
ES256 NRG TENDL-2015, AKONING  
he3s from (n,x)



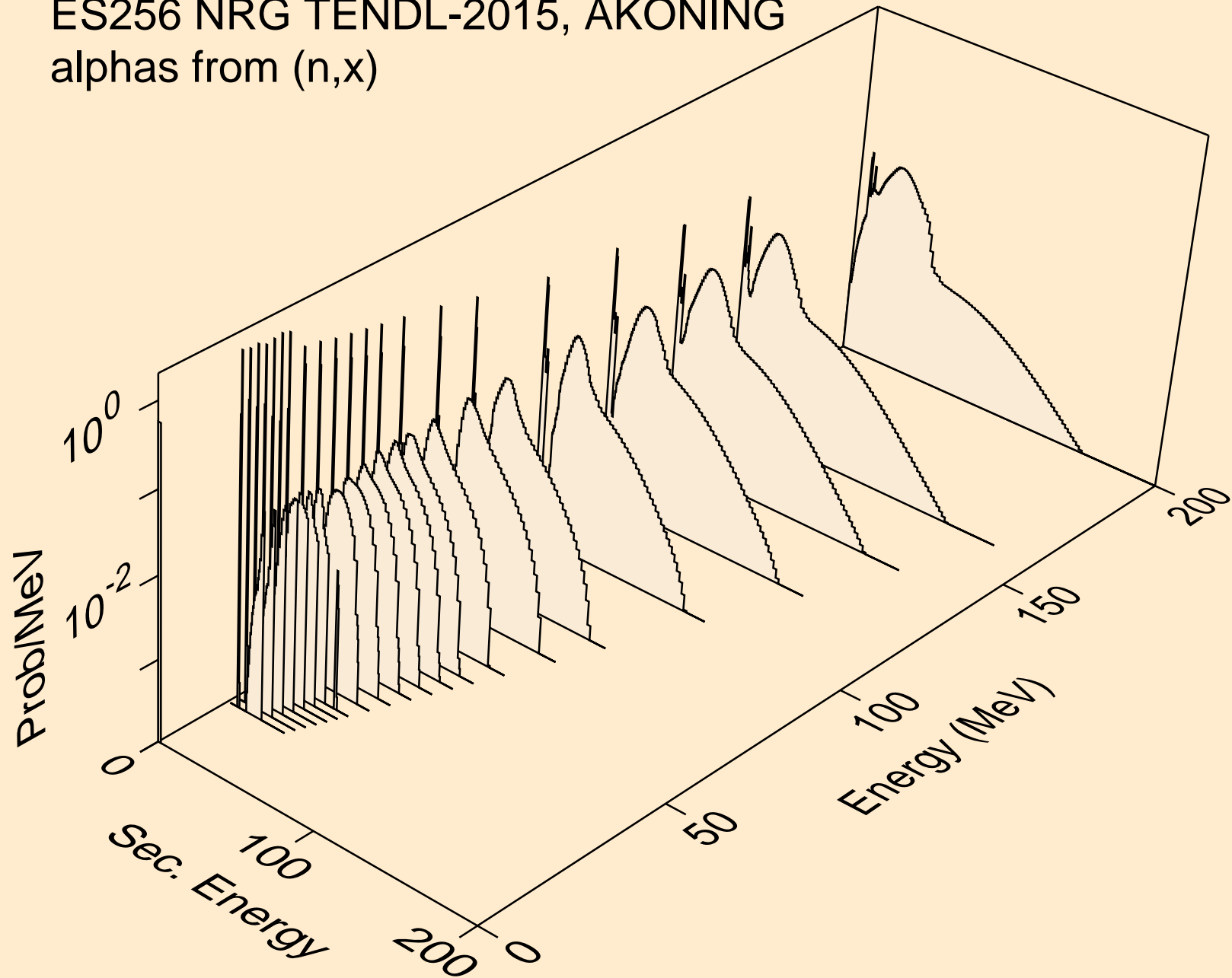
ES256 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



ES256 NRG TENDL-2015, AKONING  
he3s from (n,he3)

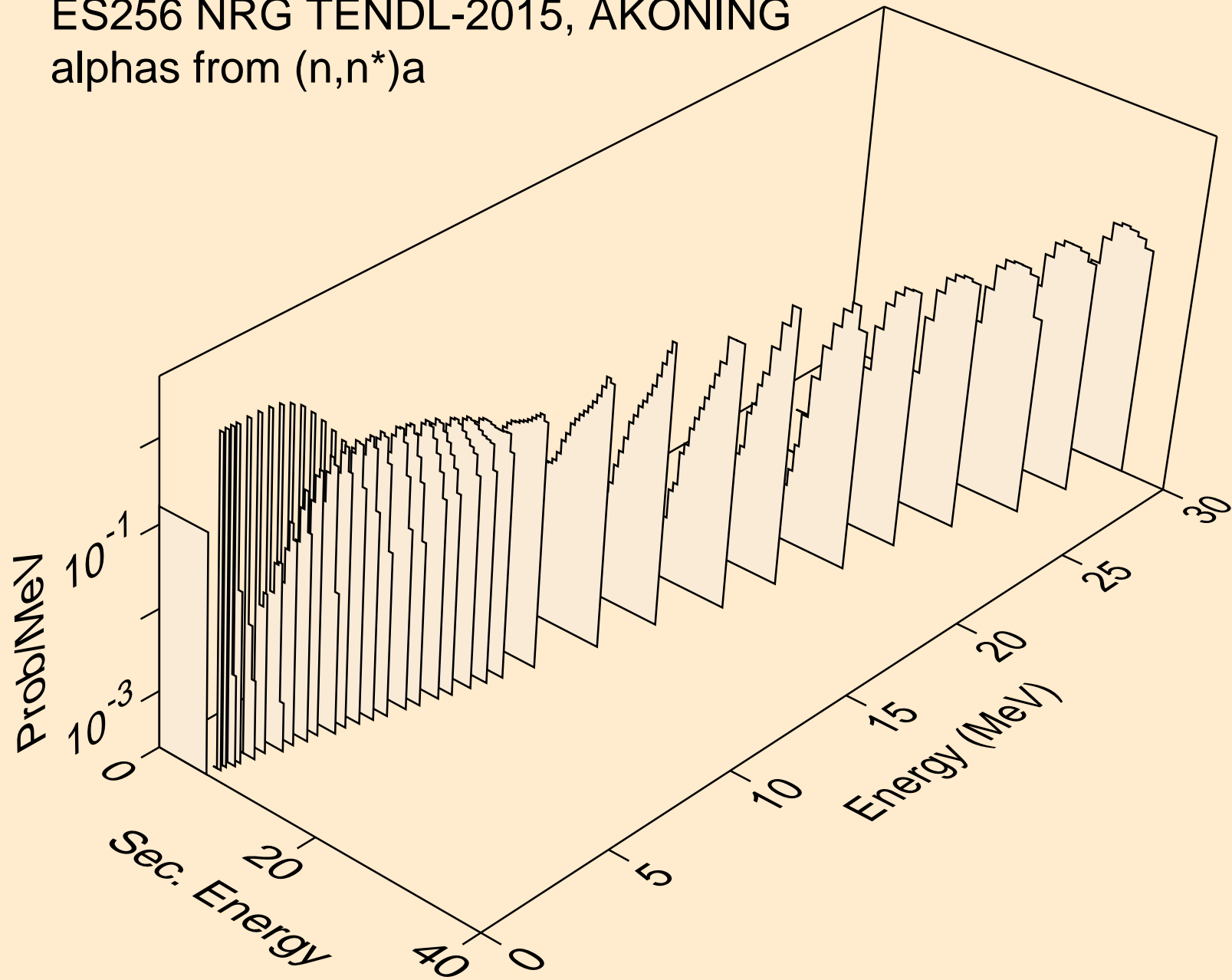


ES256 NRG TENDL-2015, AKONING  
alphas from (n,x)

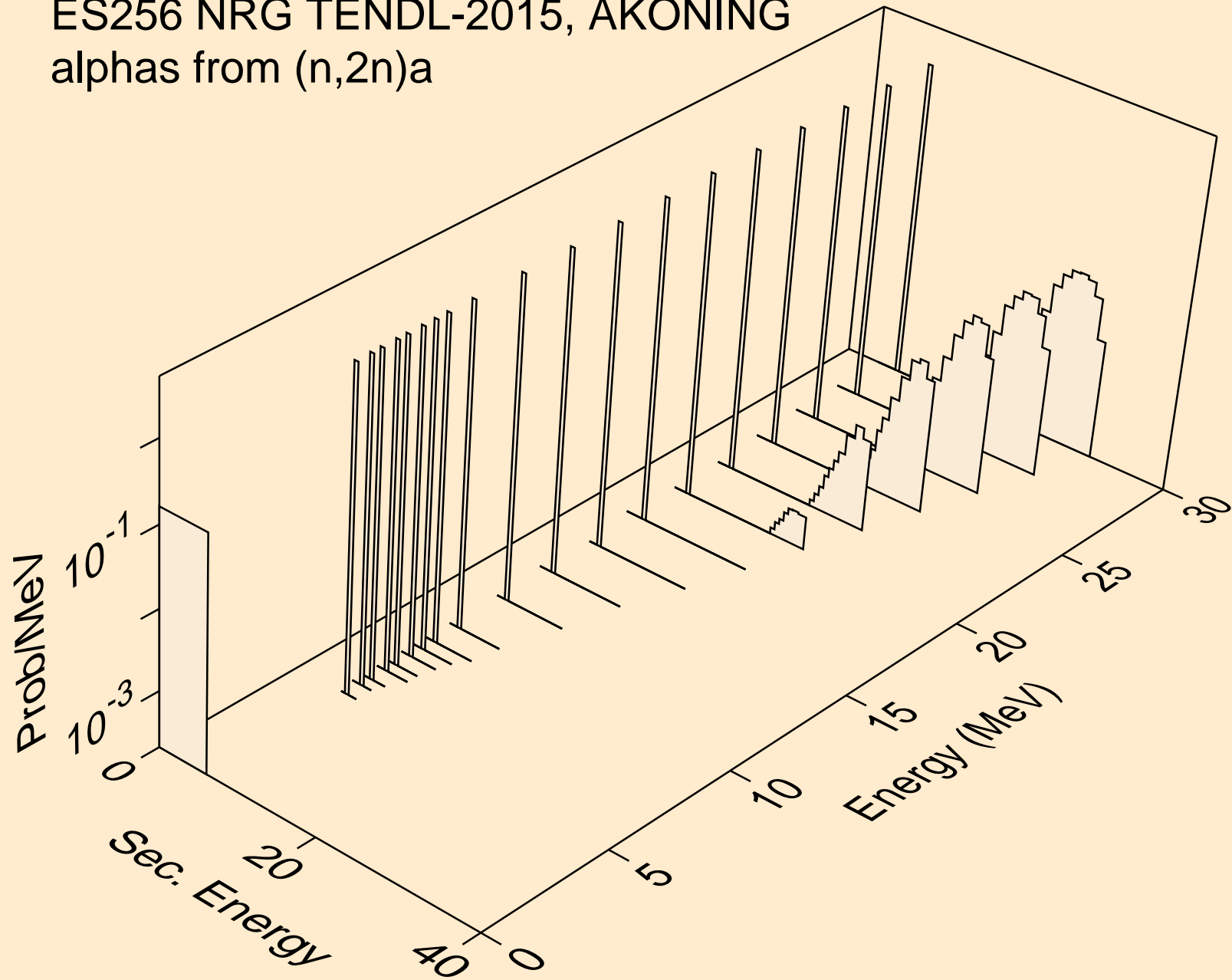




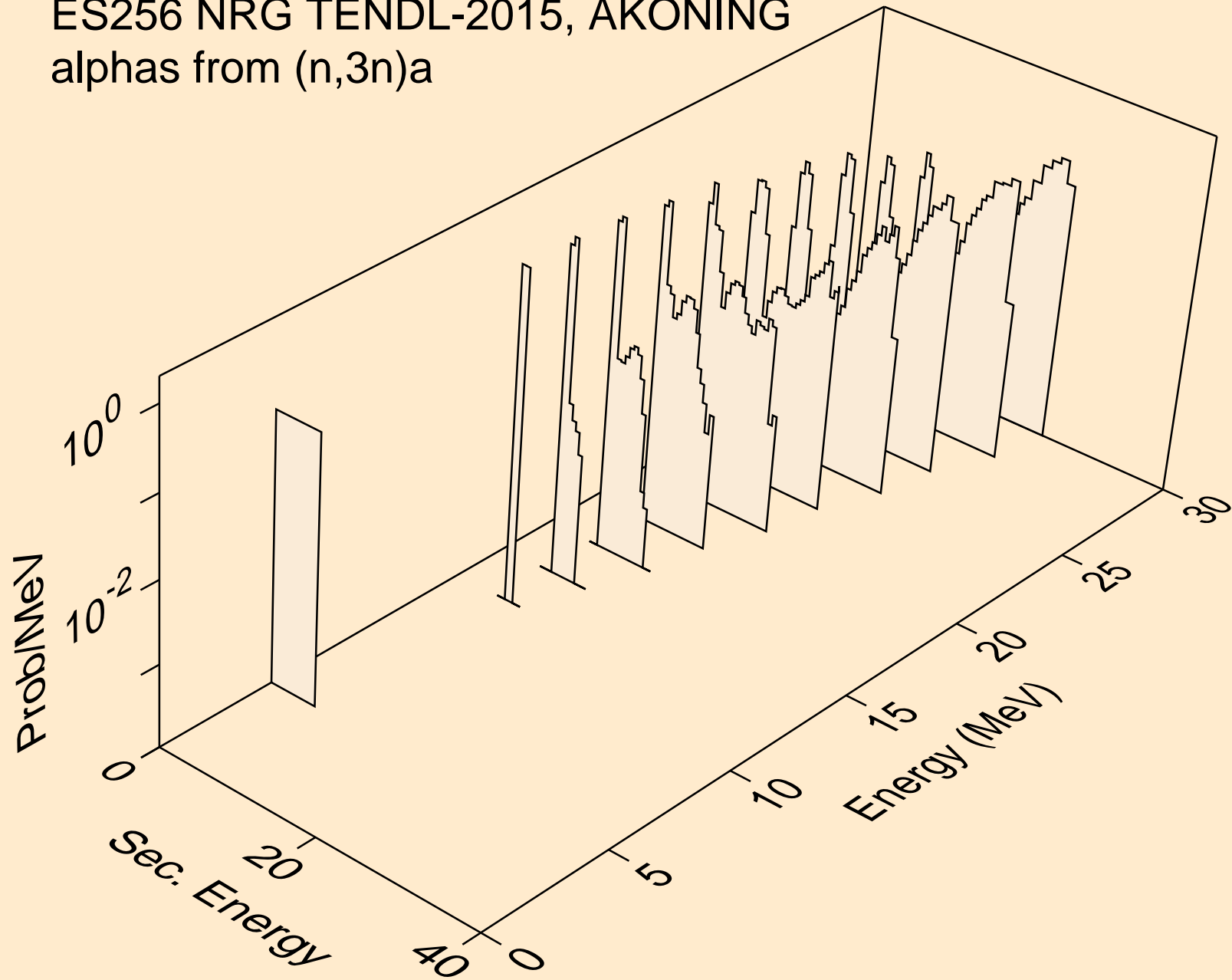
ES256 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



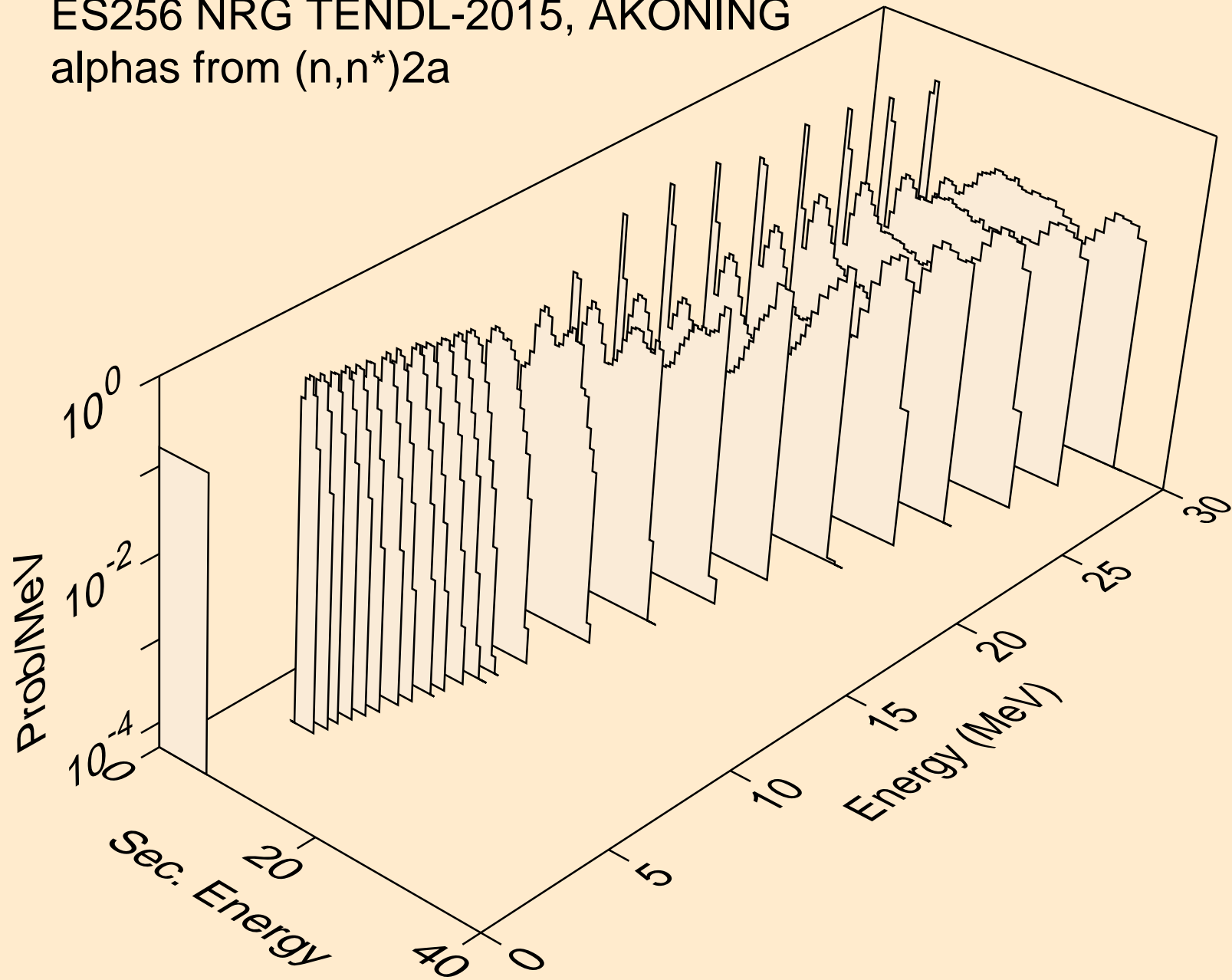
ES256 NRG TENDL-2015, AKONING  
alphas from (n,2n)a



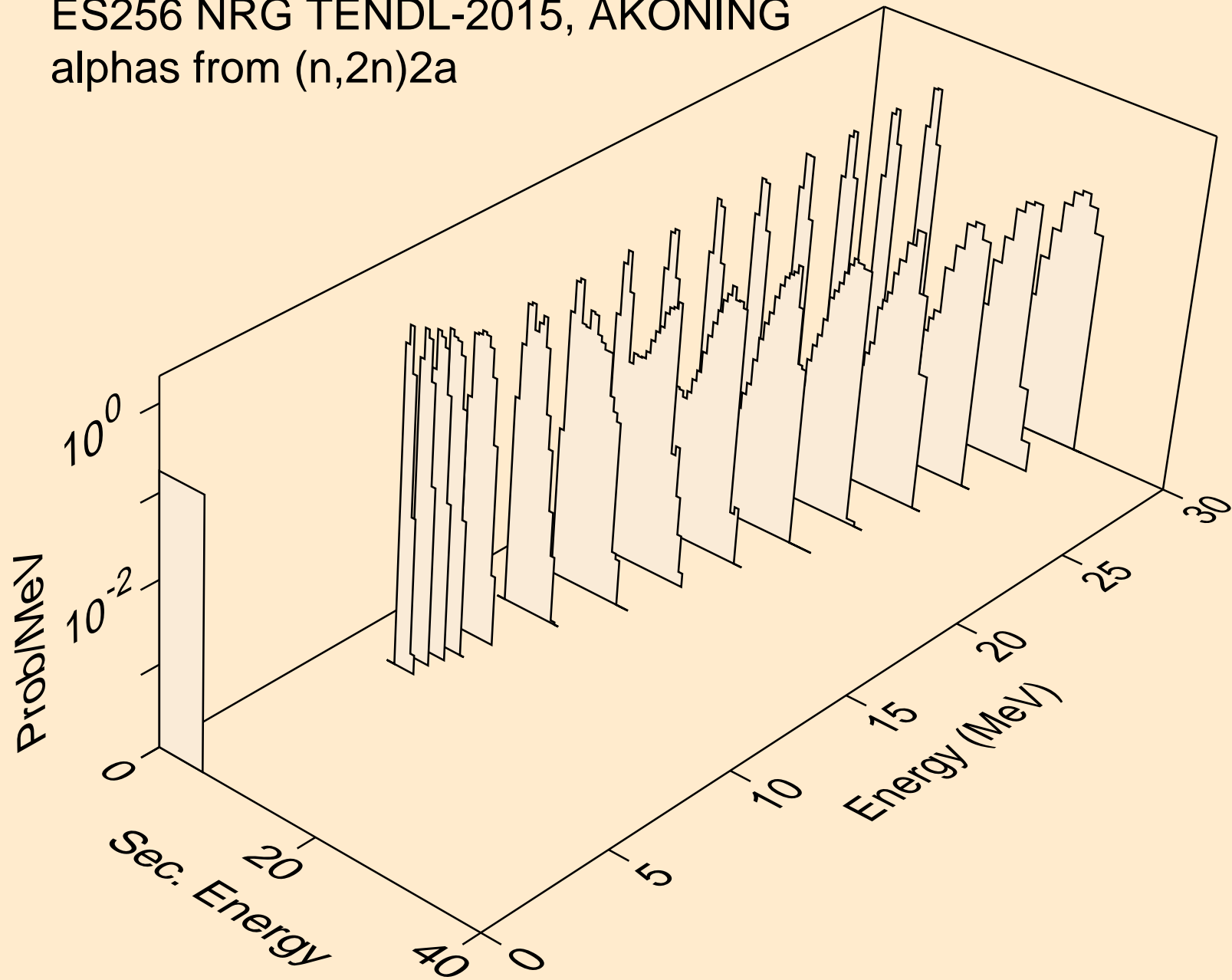
ES256 NRG TENDL-2015, AKONING  
alphas from (n,3n)a



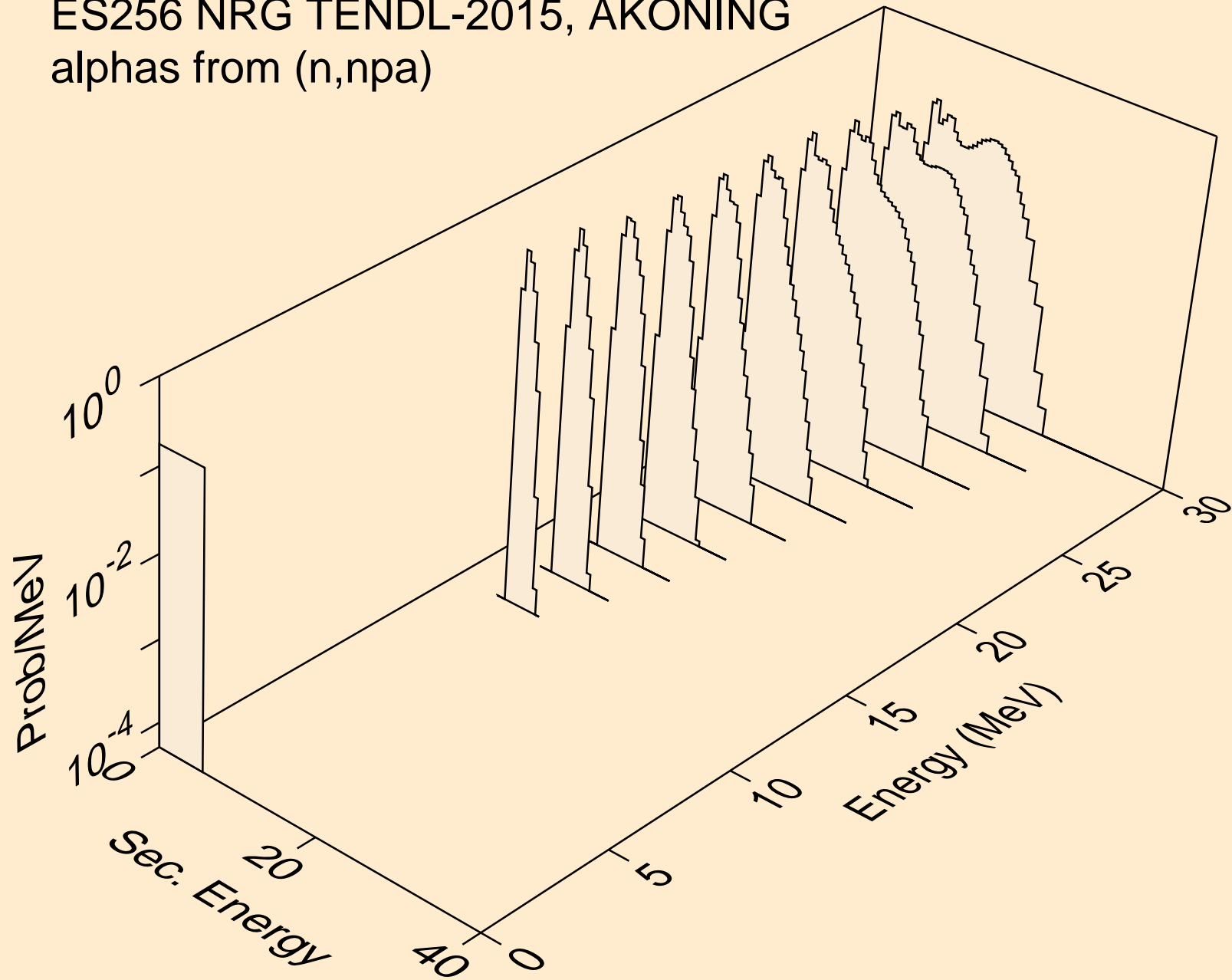
ES256 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



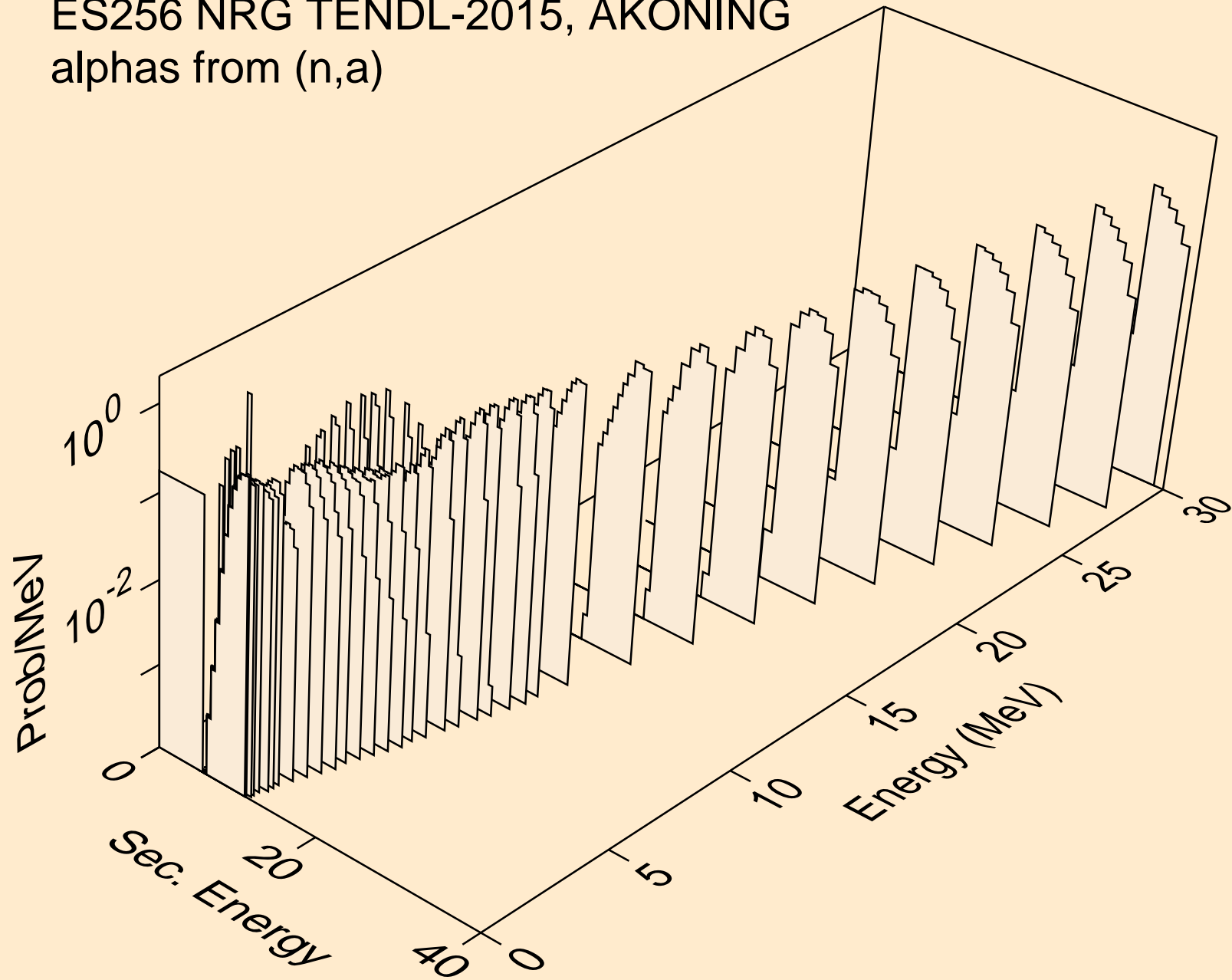
ES256 NRG TENDL-2015, AKONING  
alphas from (n,2n)2a



ES256 NRG TENDL-2015, AKONING  
alphas from (n,npa)



ES256 NRG TENDL-2015, AKONING  
alphas from (n,a)



ES256 NRG TENDL-2015, AKONING  
alphas from (n,pa)

