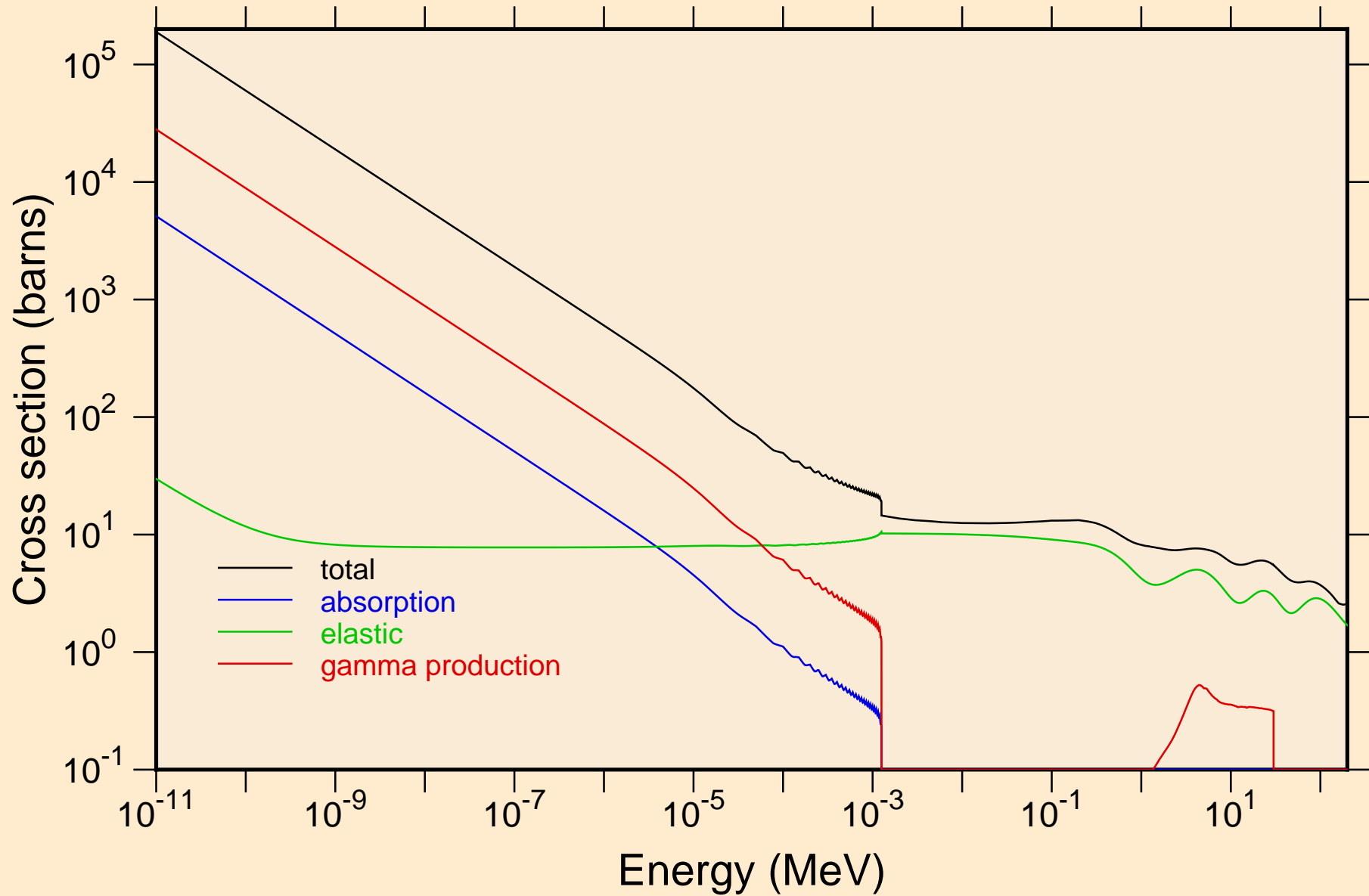


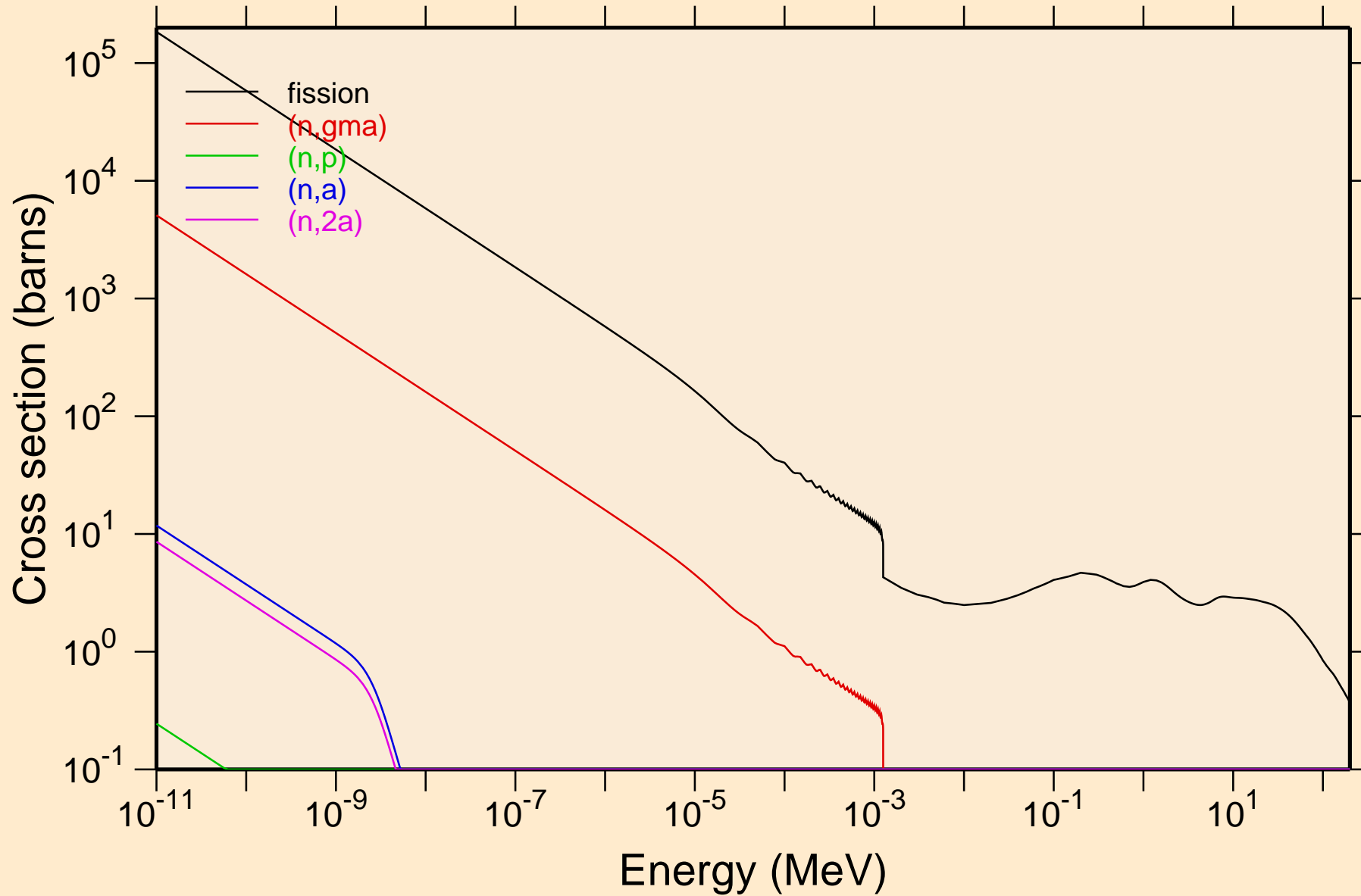
# ES240 NRG TENDL-2015, AKONING

## Principal cross sections



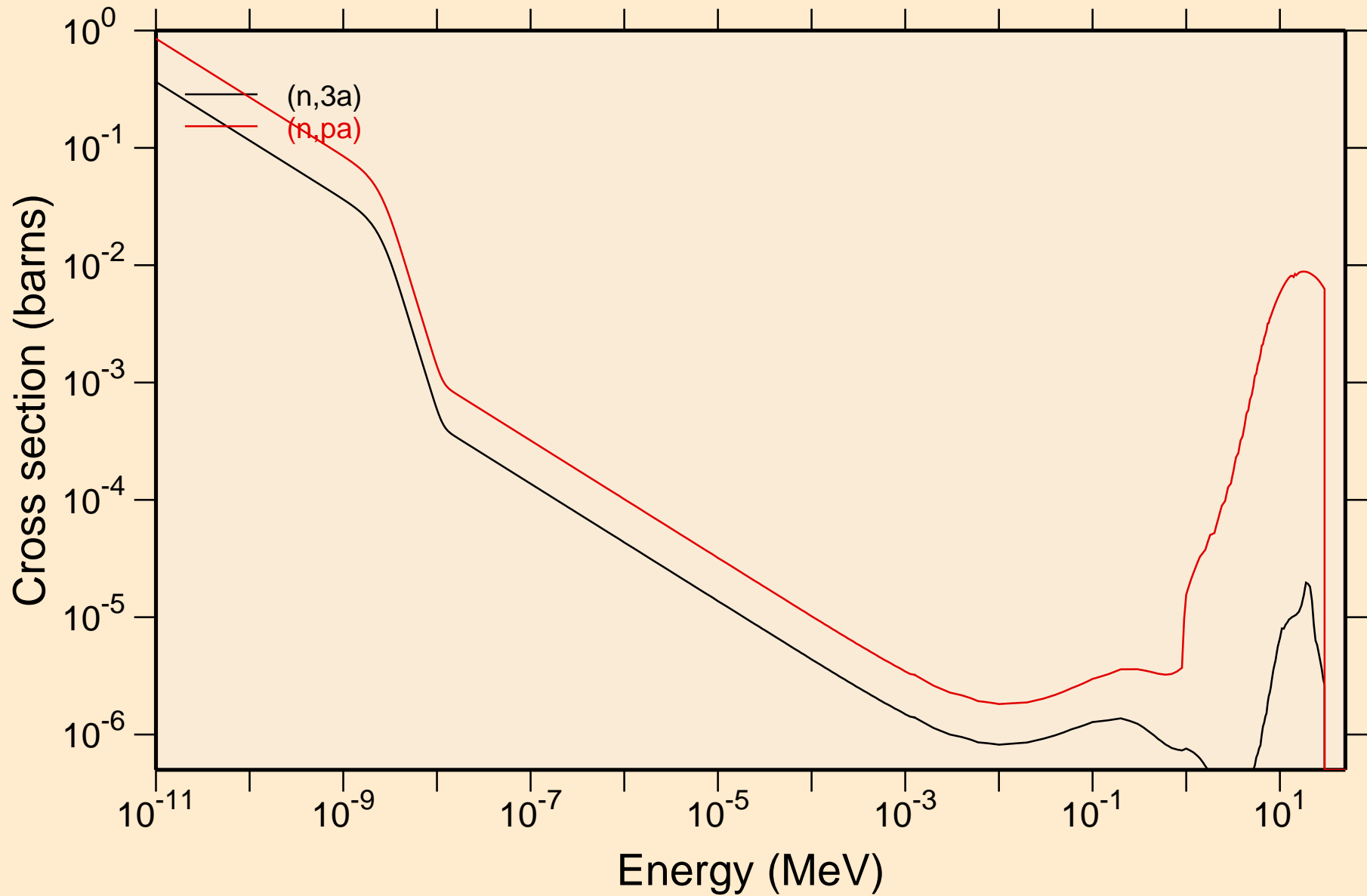
# ES240 NRG TENDL-2015, AKONING

## Non-threshold reactions



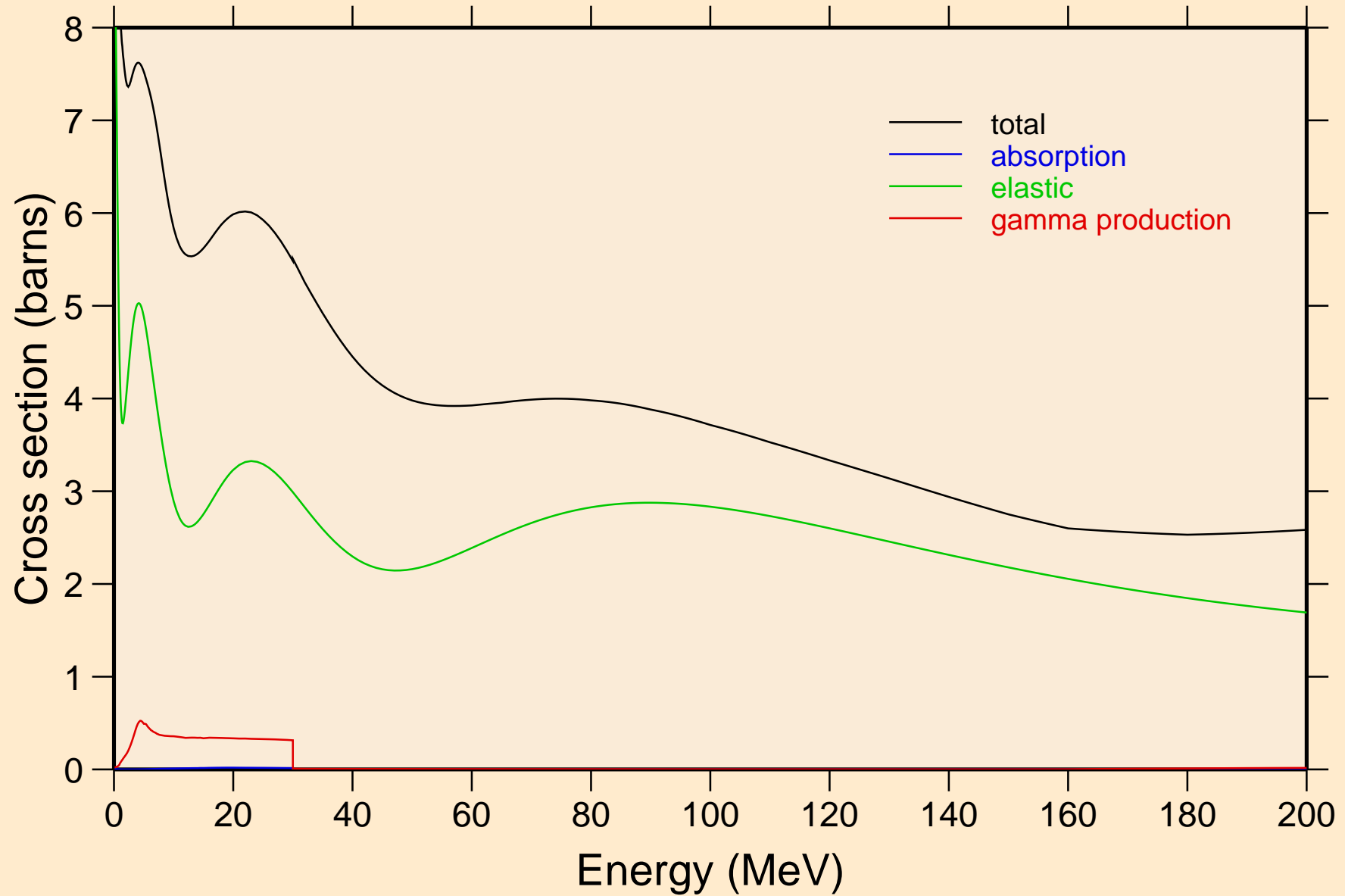
# ES240 NRG TENDL-2015, AKONING

## Non-threshold reactions



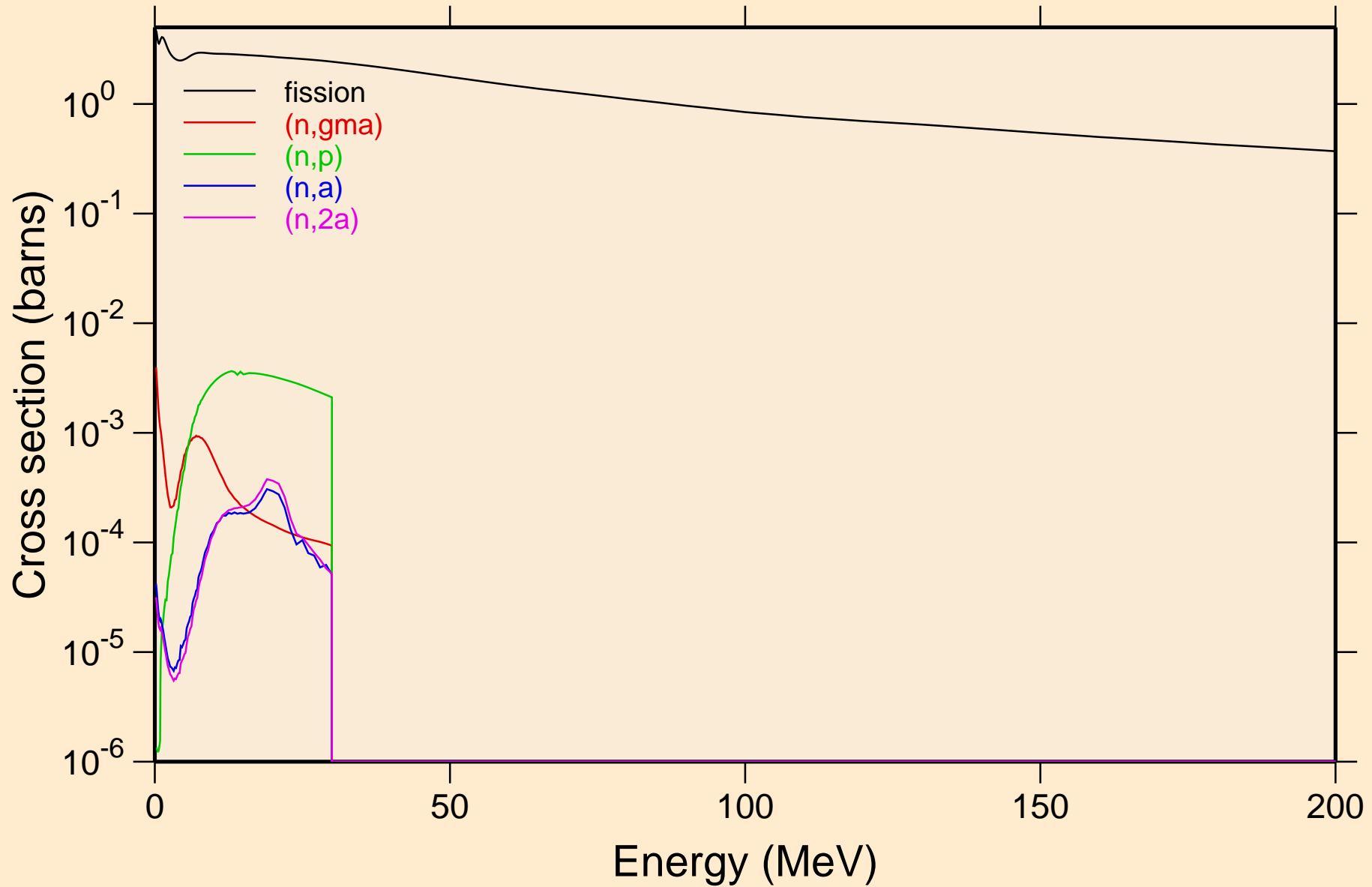
# ES240 NRG TENDL-2015, AKONING

## Principal cross sections



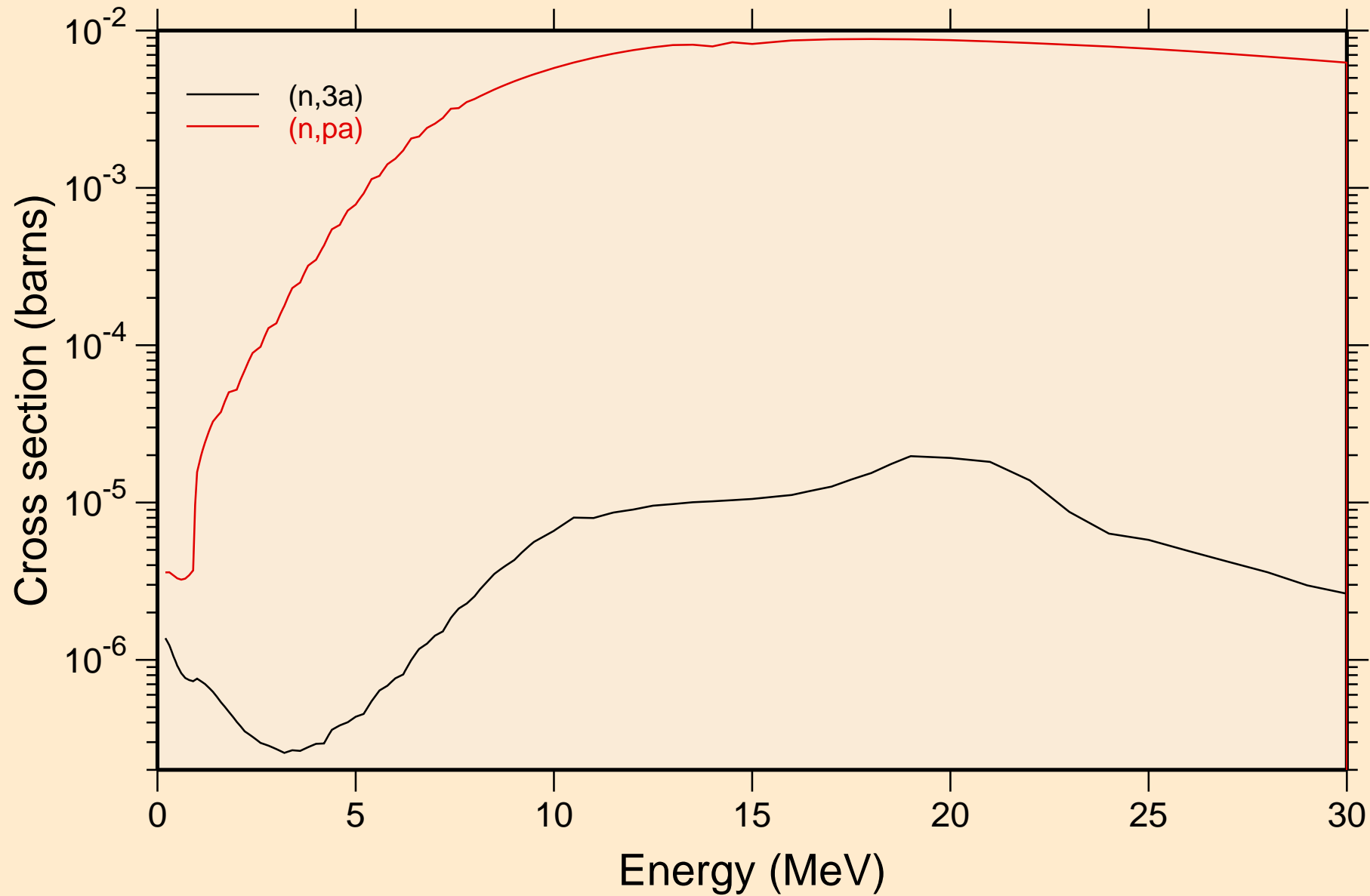
# ES240 NRG TENDL-2015, AKONING

## Non-threshold reactions



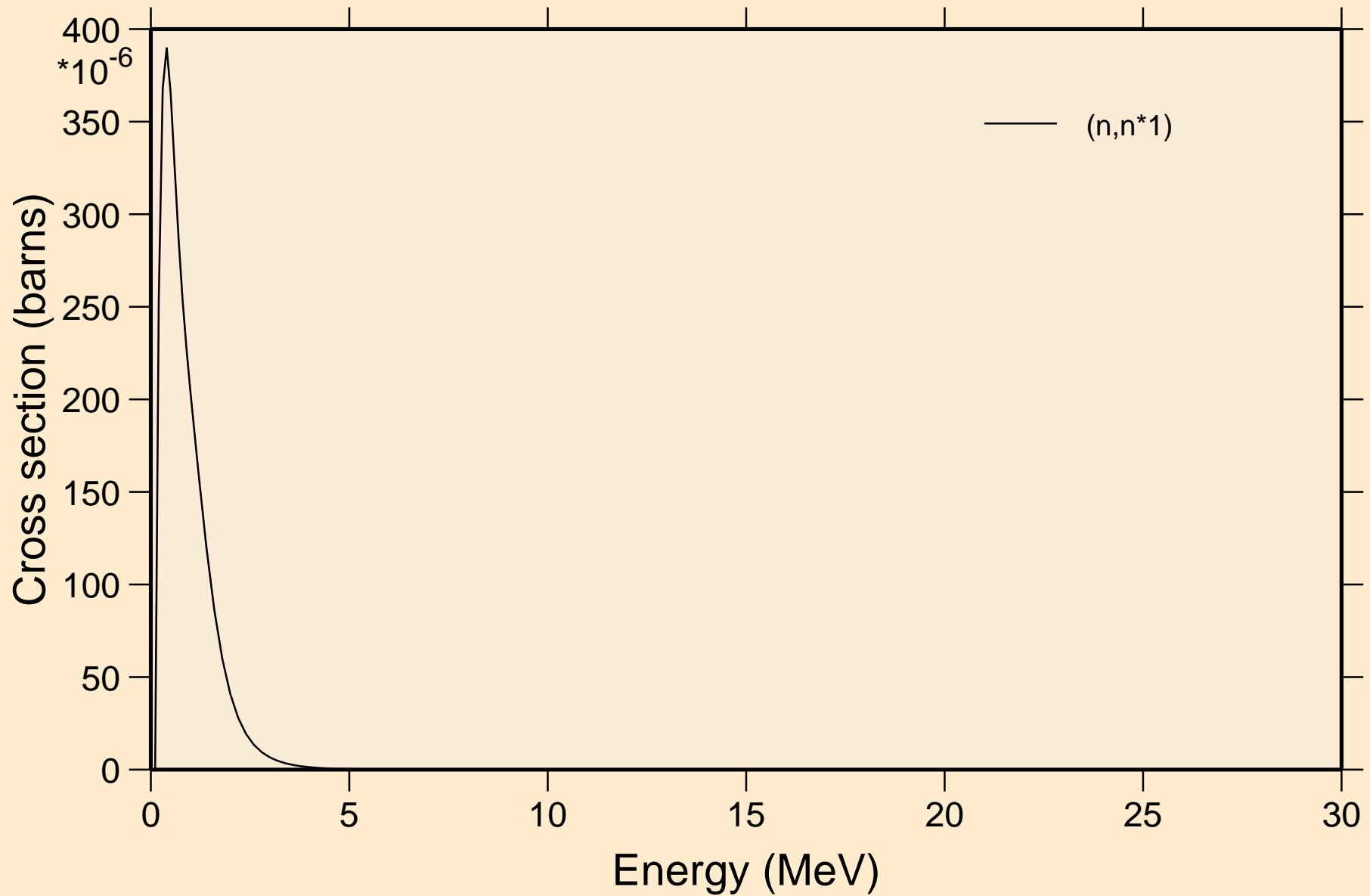
# ES240 NRG TENDL-2015, AKONING

## Non-threshold reactions



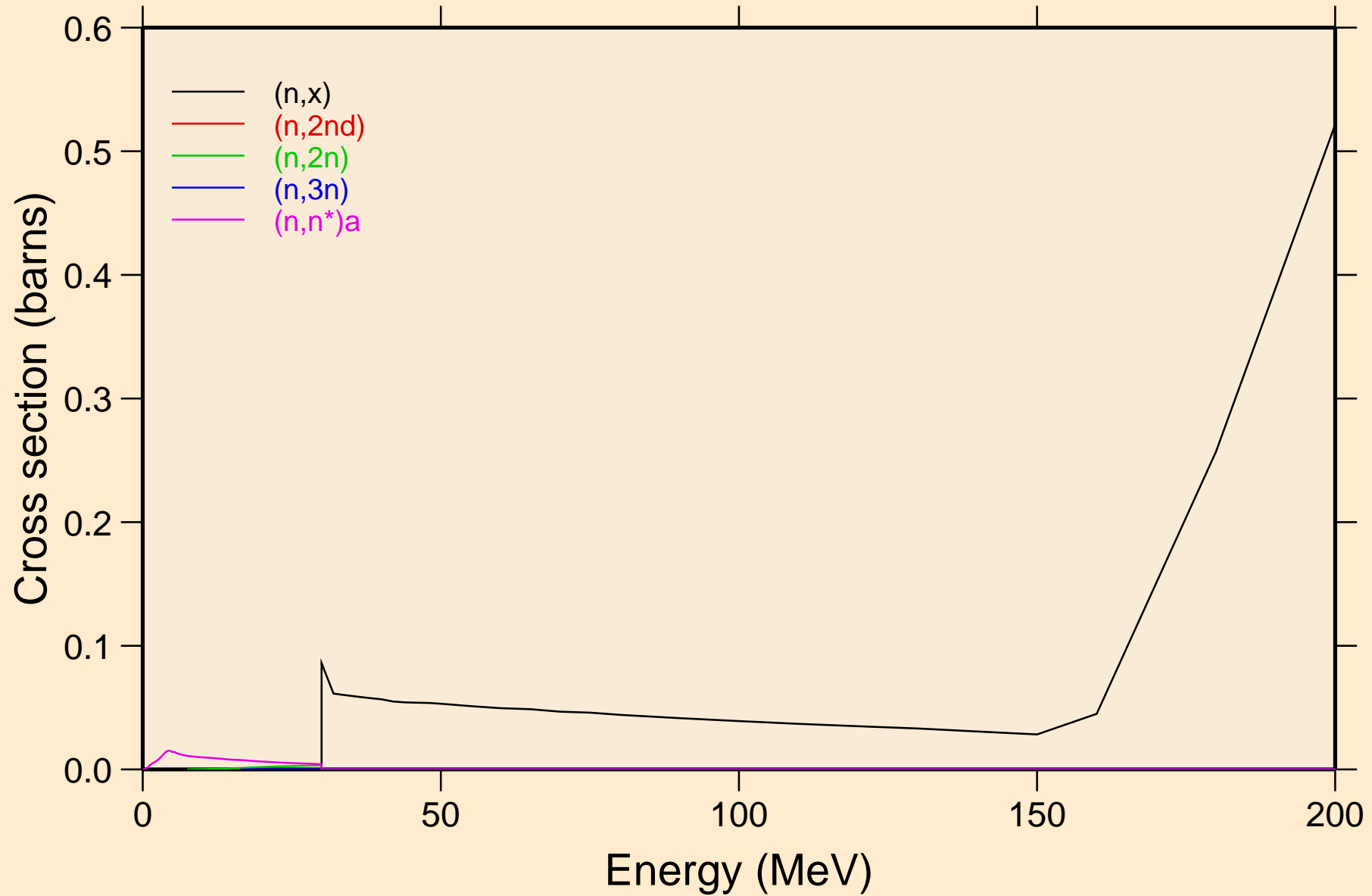
# ES240 NRG TENDL-2015, AKONING

## Inelastic levels



# ES240 NRG TENDL-2015, AKONING

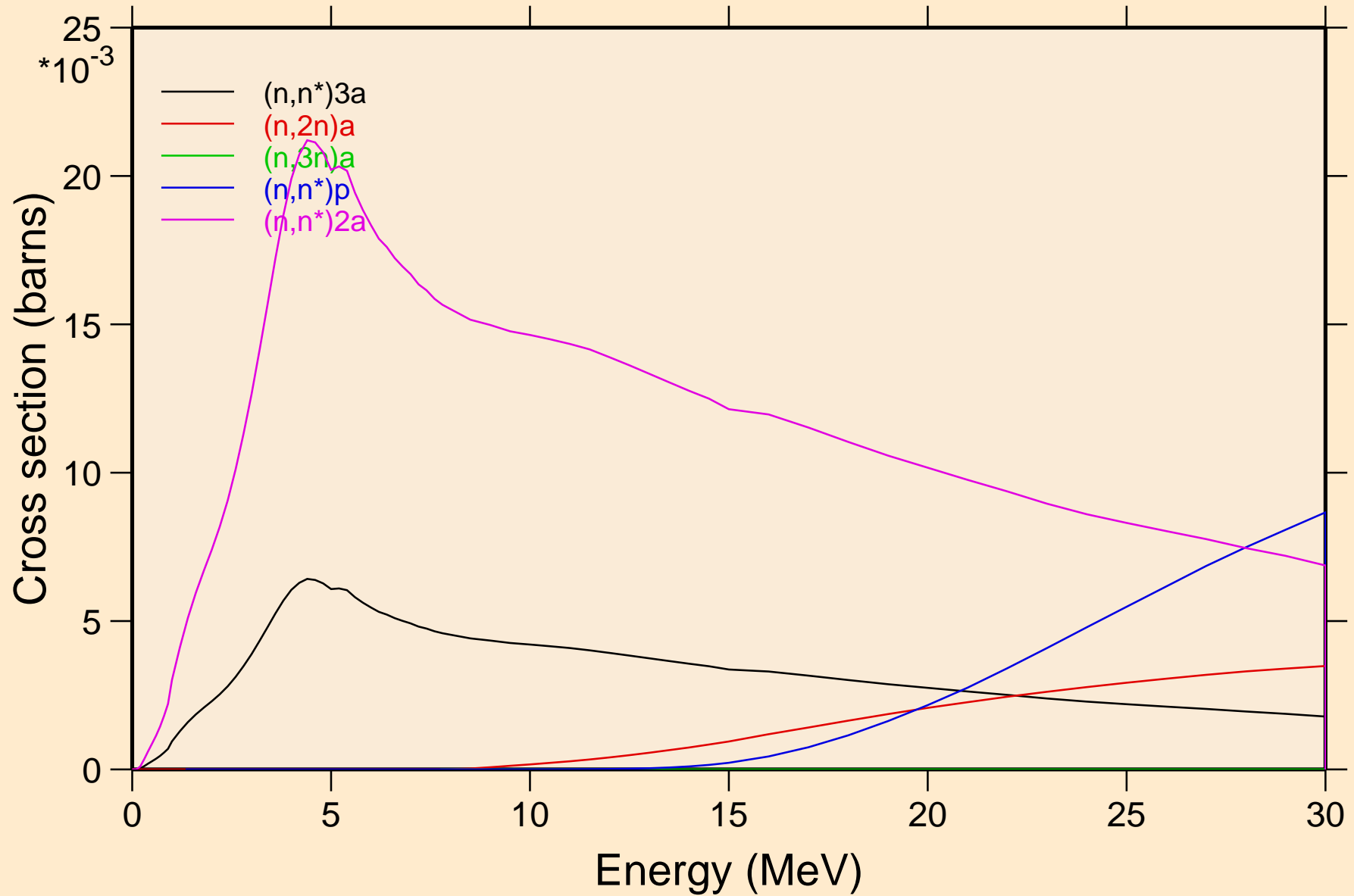
## Threshold reactions





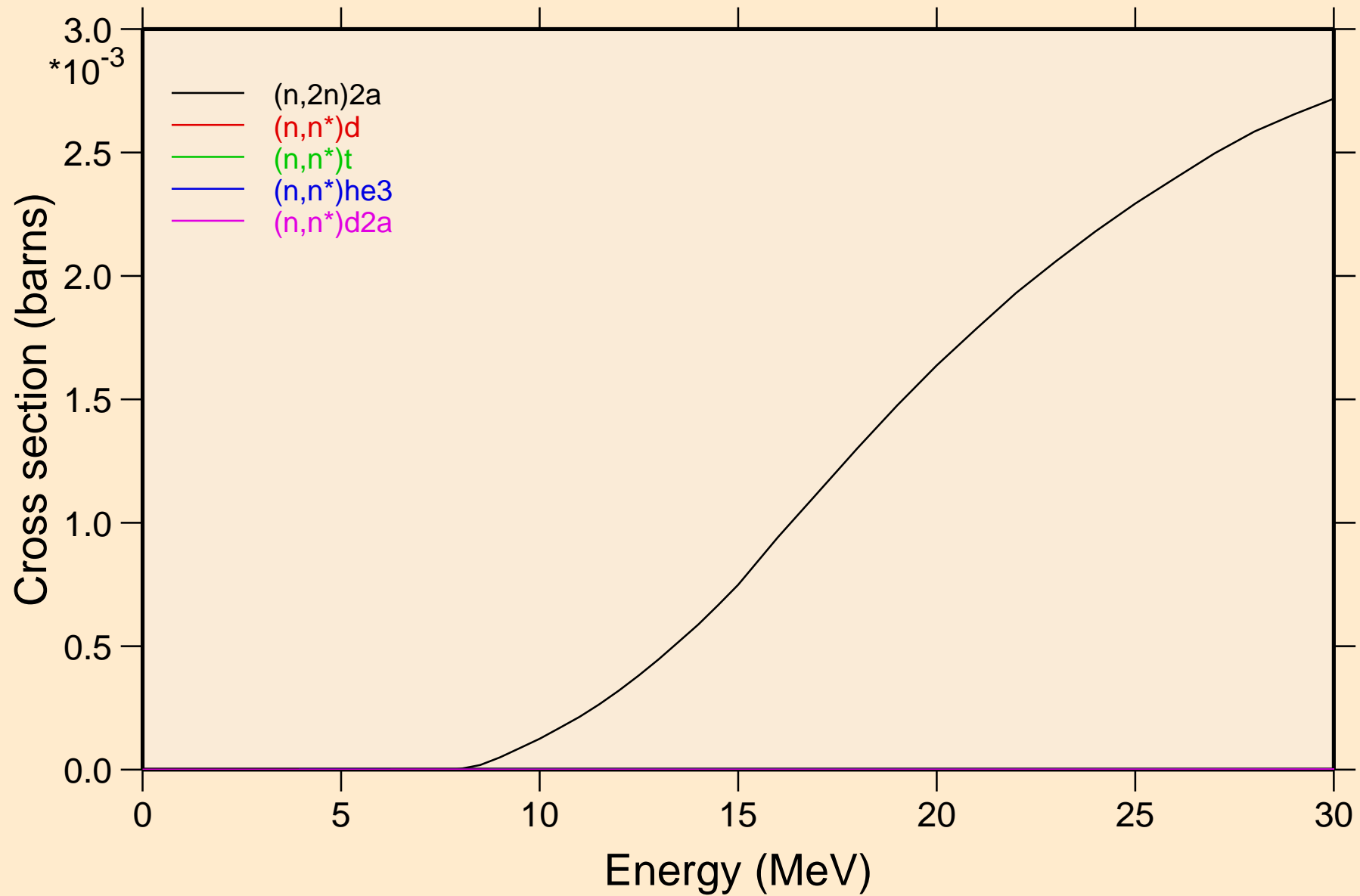
# ES240 NRG TENDL-2015, AKONING

## Threshold reactions



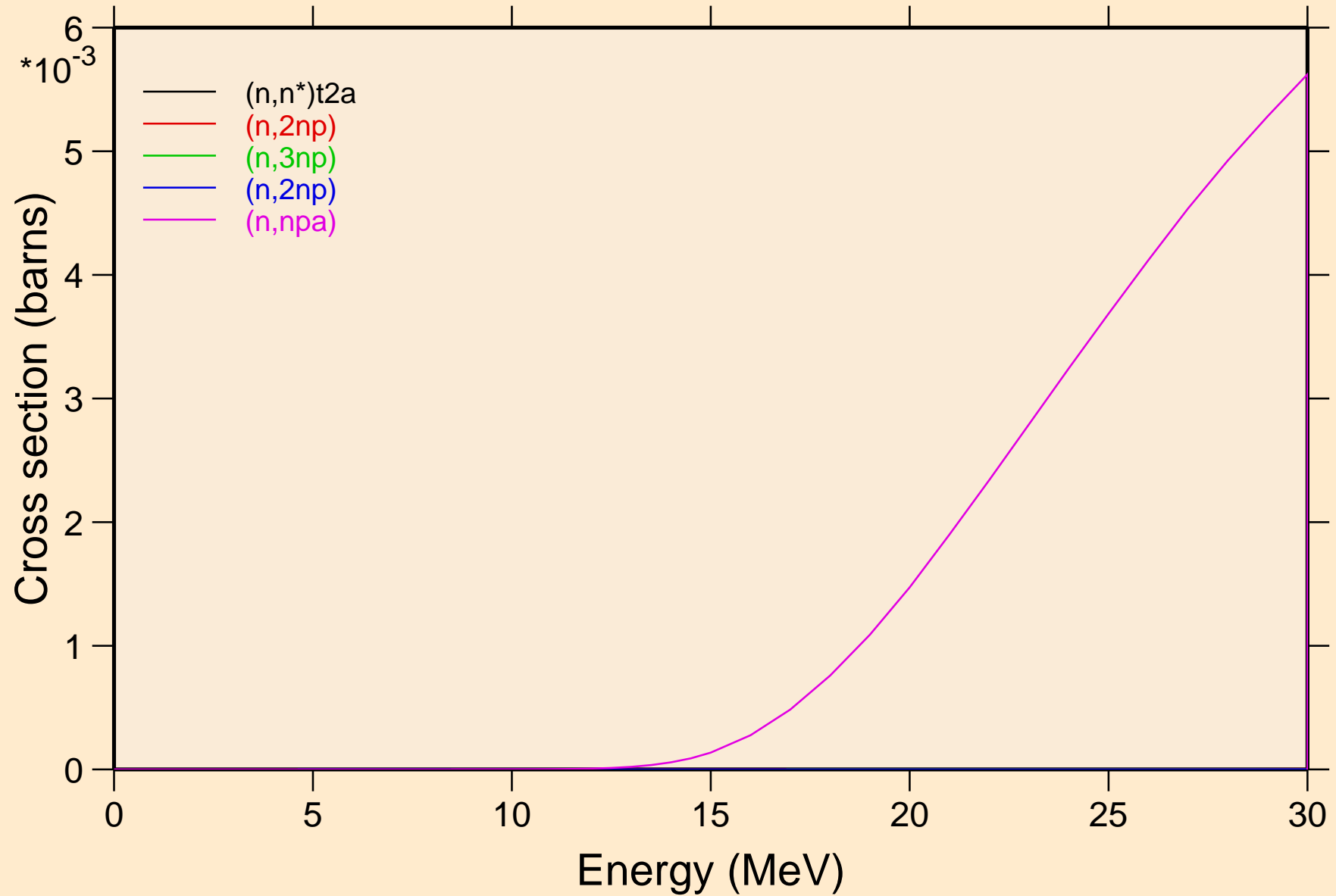
# ES240 NRG TENDL-2015, AKONING

## Threshold reactions



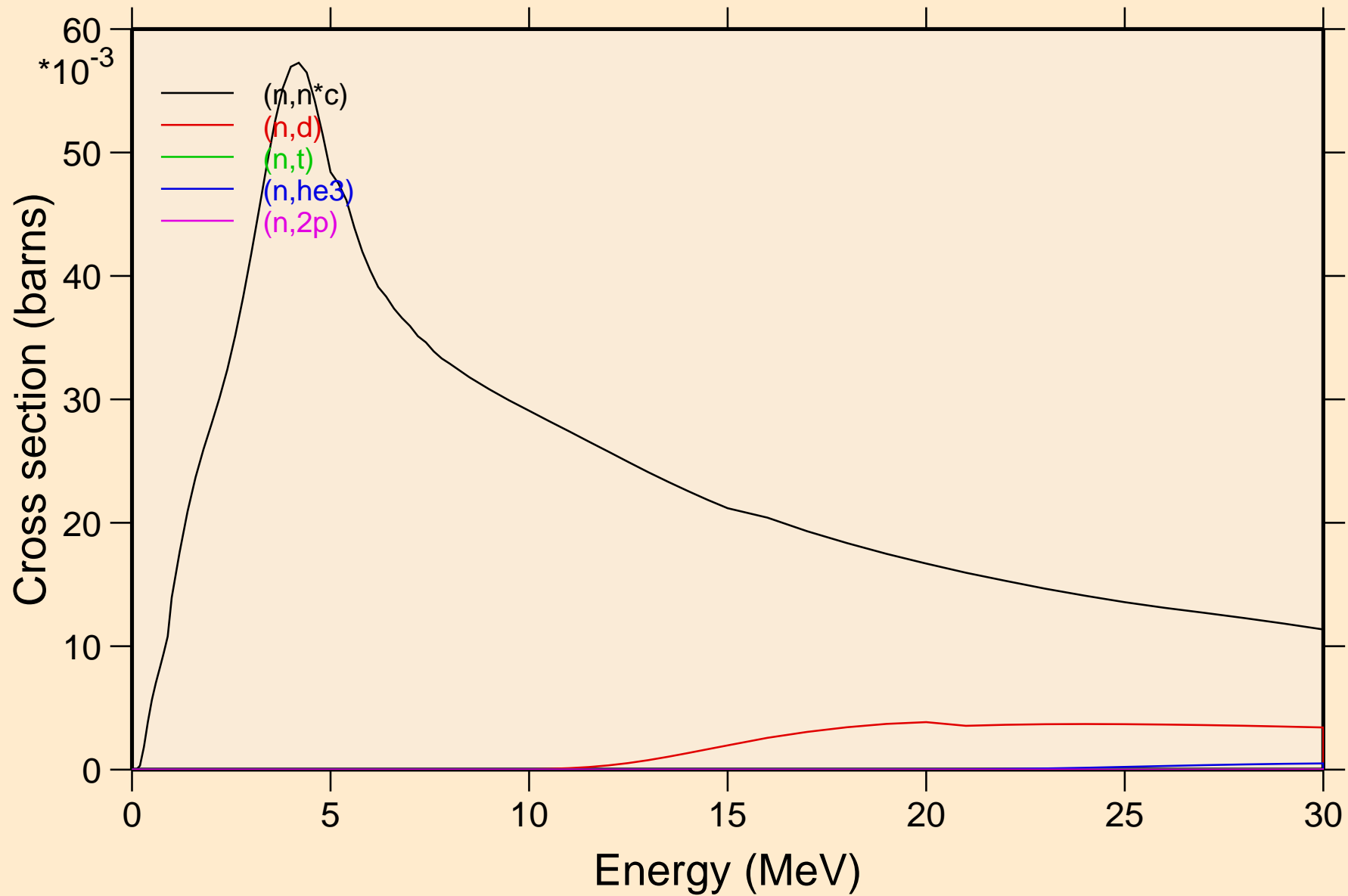
# ES240 NRG TENDL-2015, AKONING

## Threshold reactions



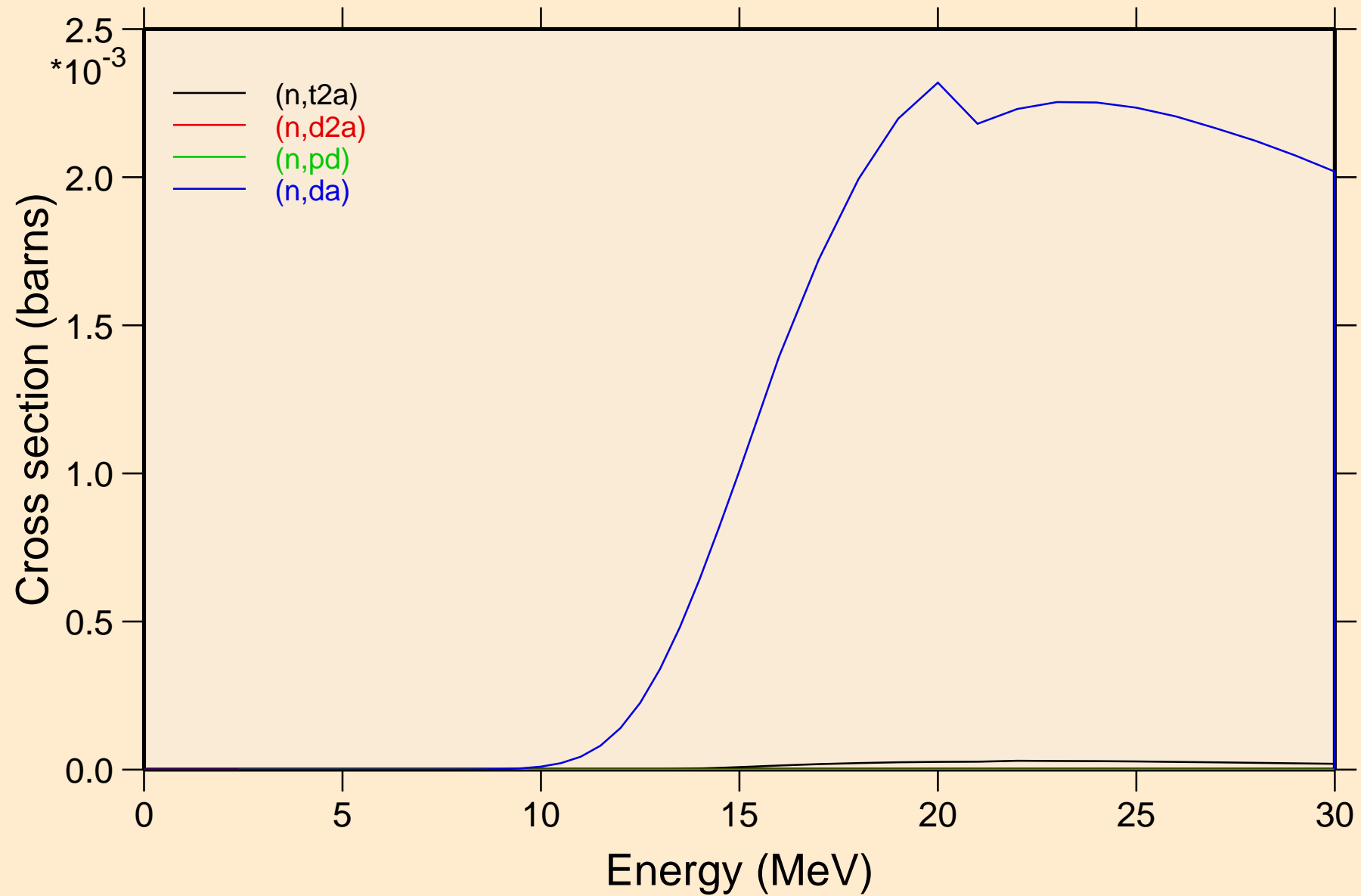
# ES240 NRG TENDL-2015, AKONING

## Threshold reactions

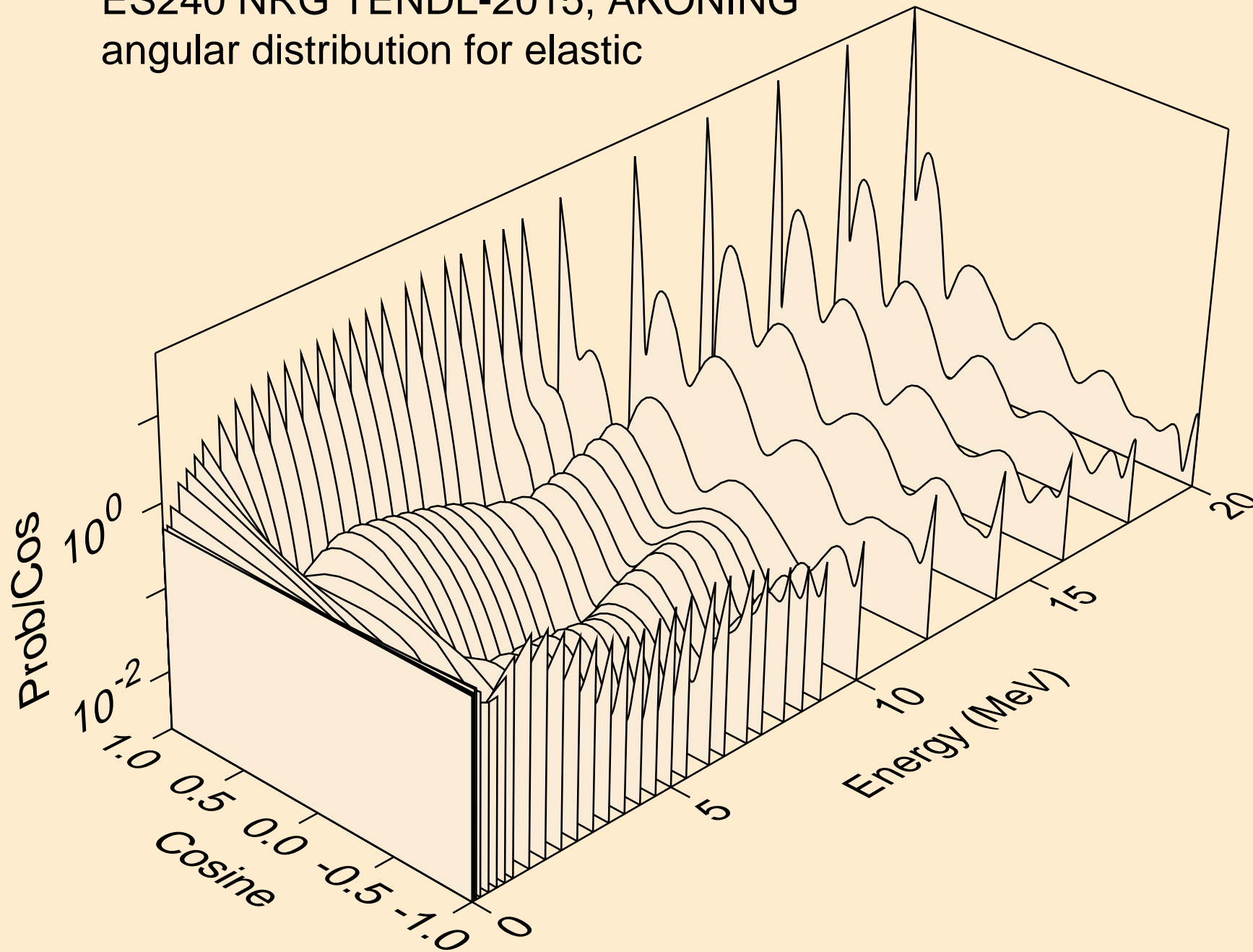


# ES240 NRG TENDL-2015, AKONING

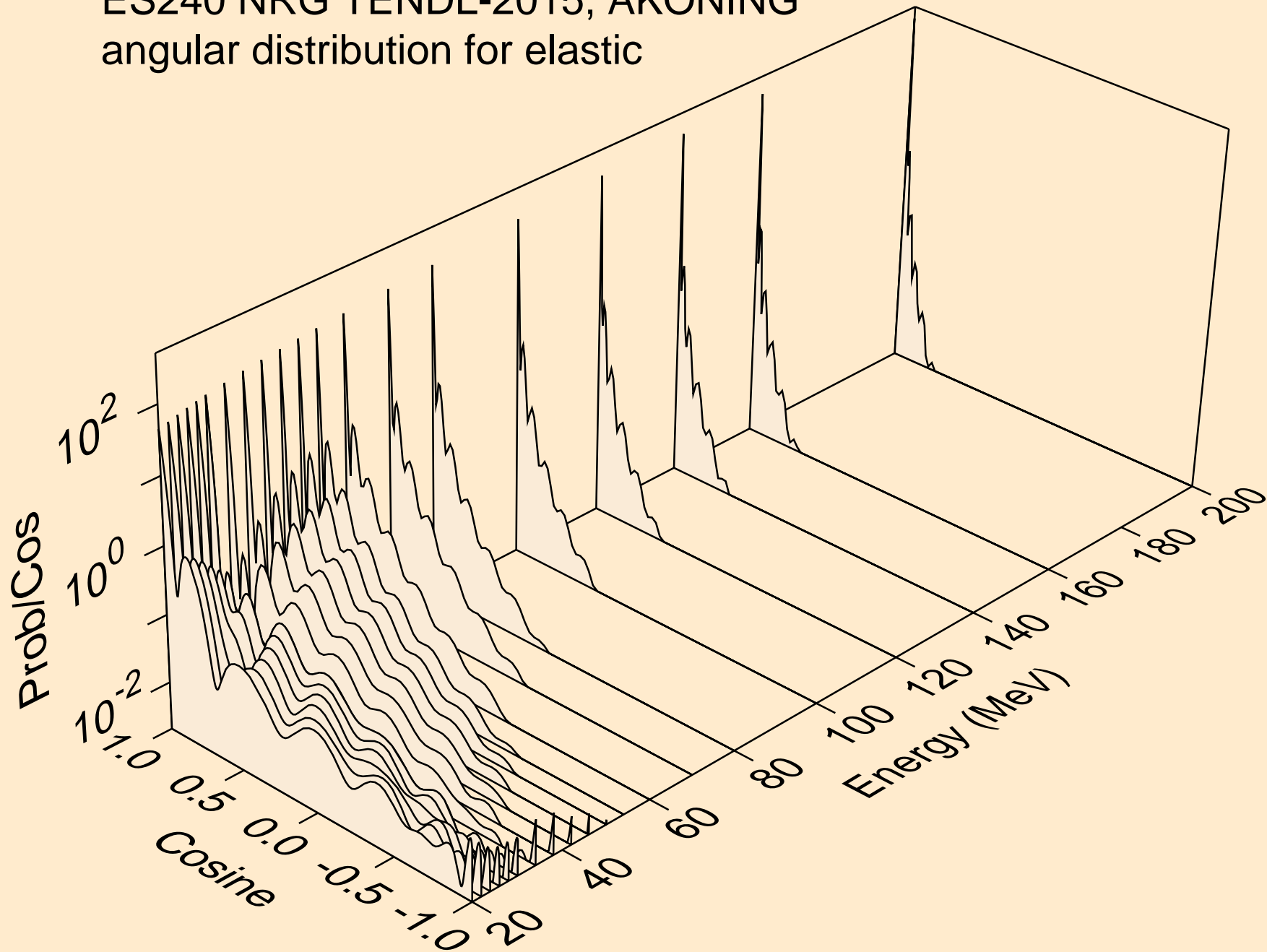
## Threshold reactions



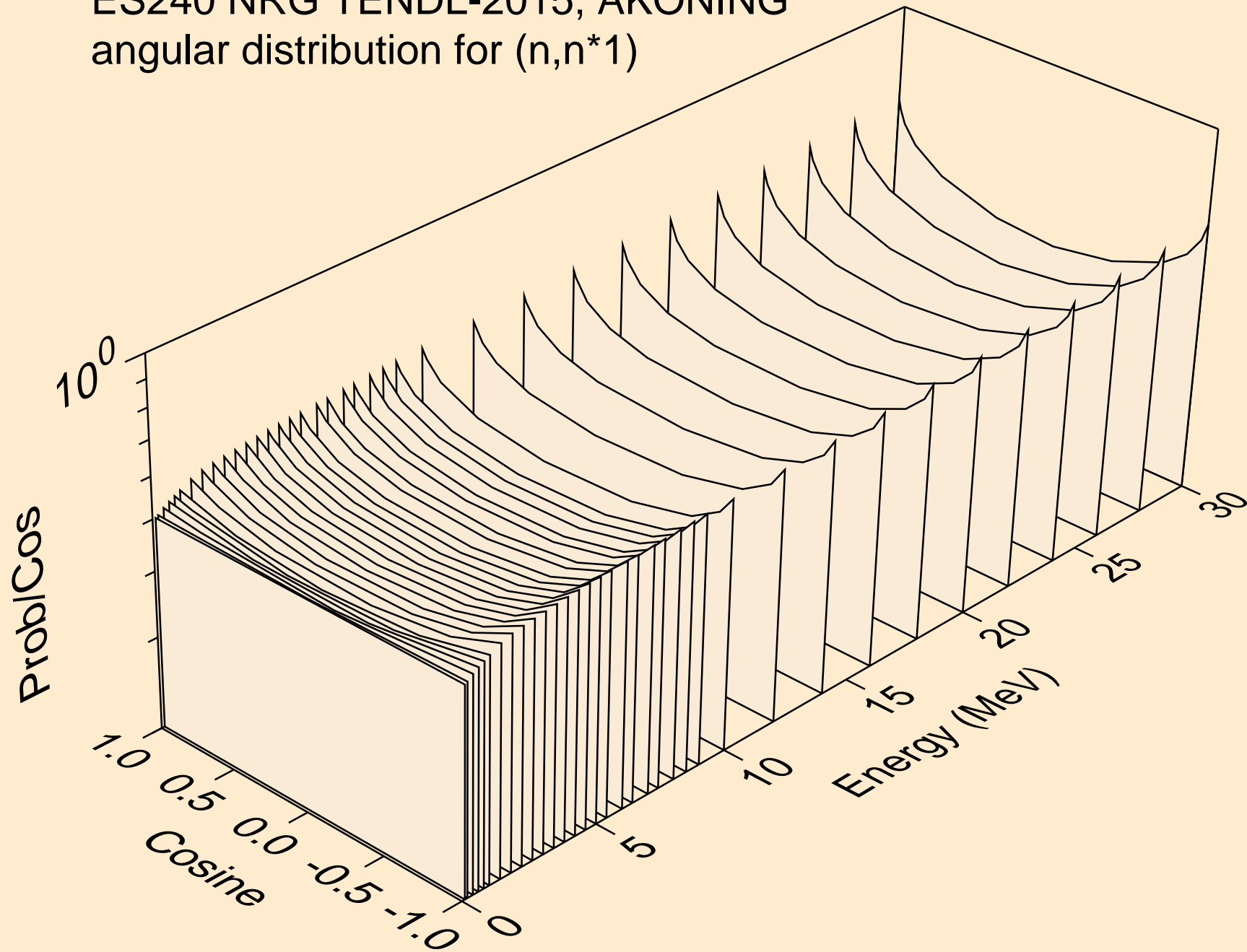
ES240 NRG TENDL-2015, AKONING  
angular distribution for elastic



ES240 NRG TENDL-2015, AKONING  
angular distribution for elastic



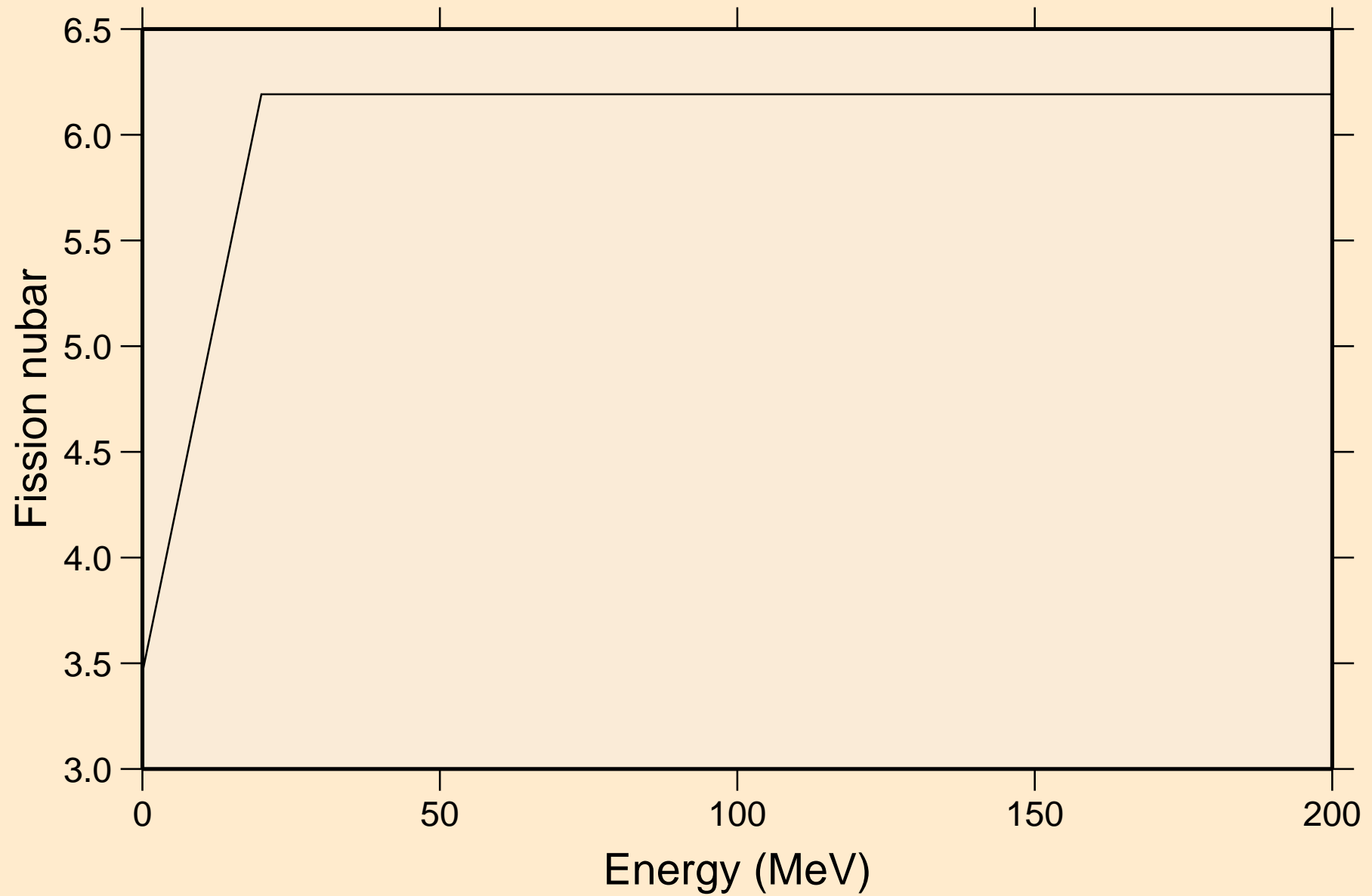
ES240 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



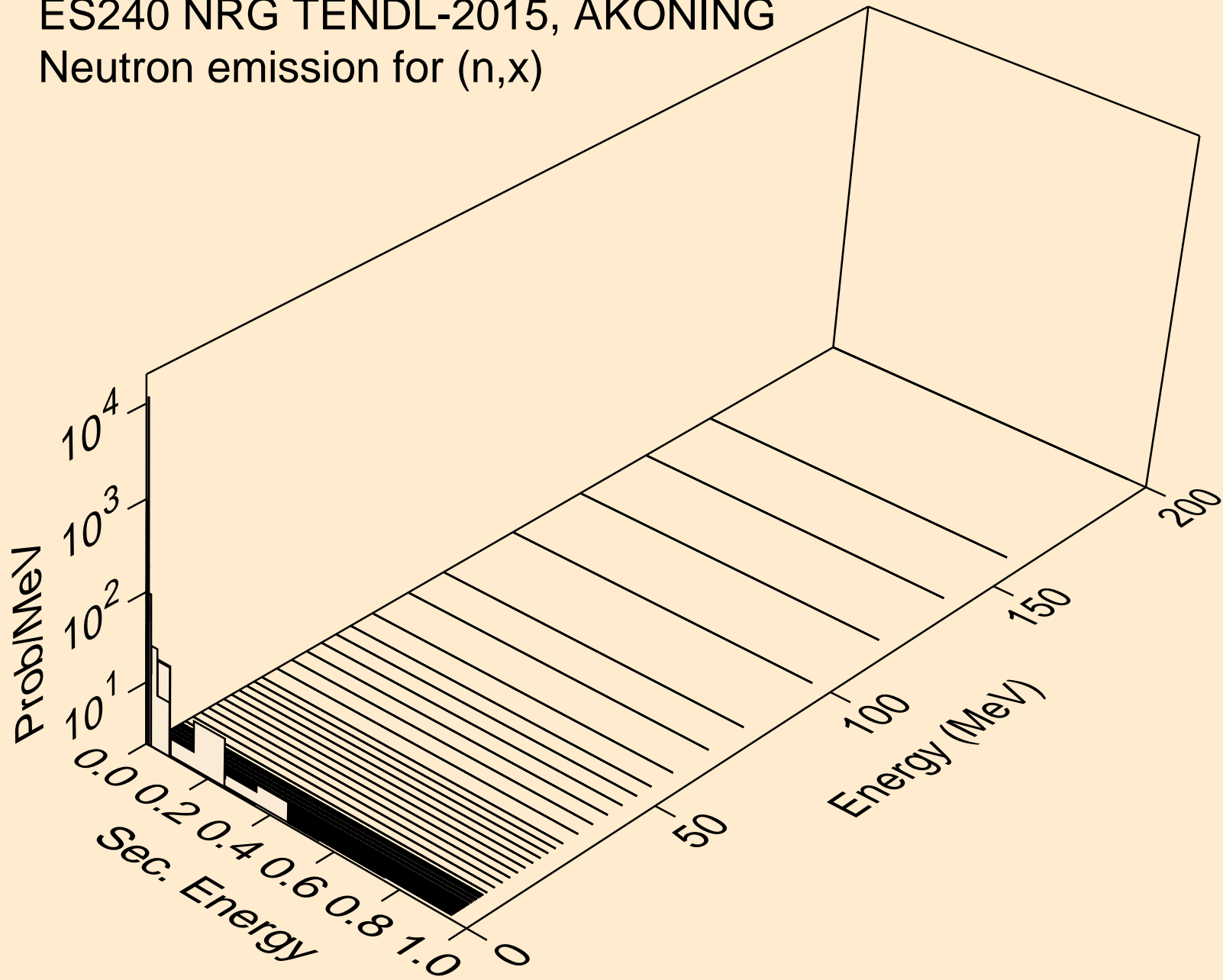


# ES240 NRG TENDL-2015, AKONING

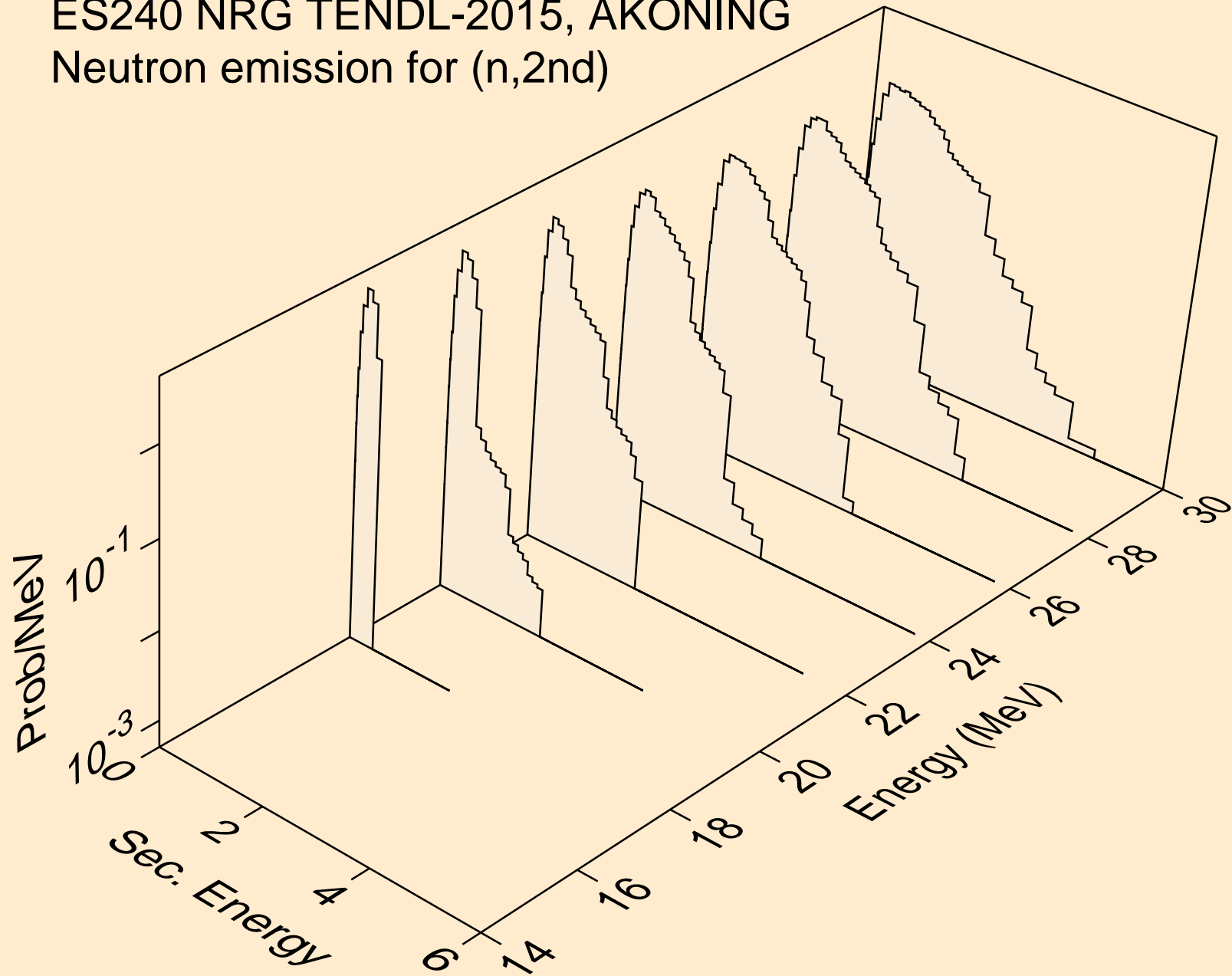
Total fission nubar



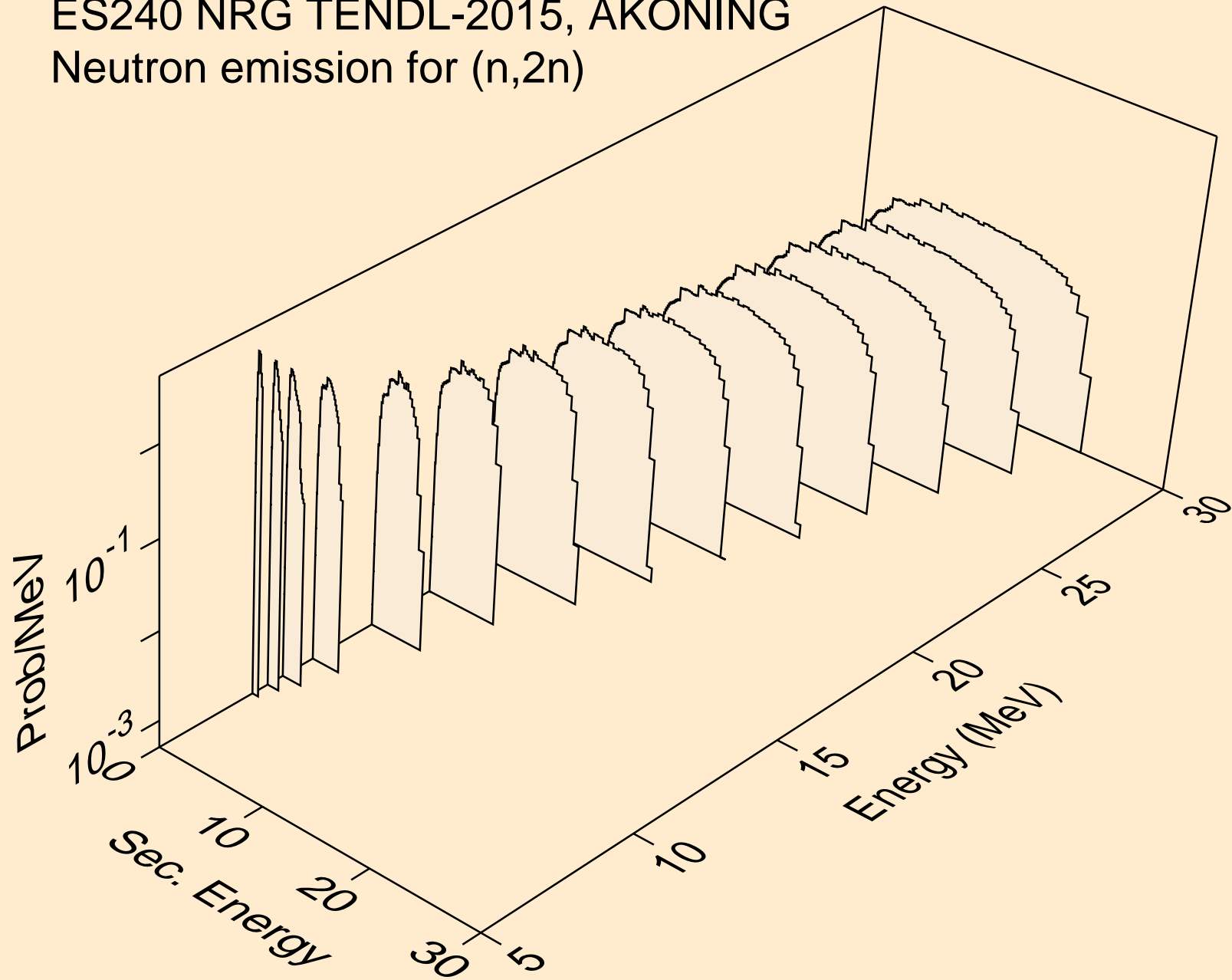
ES240 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



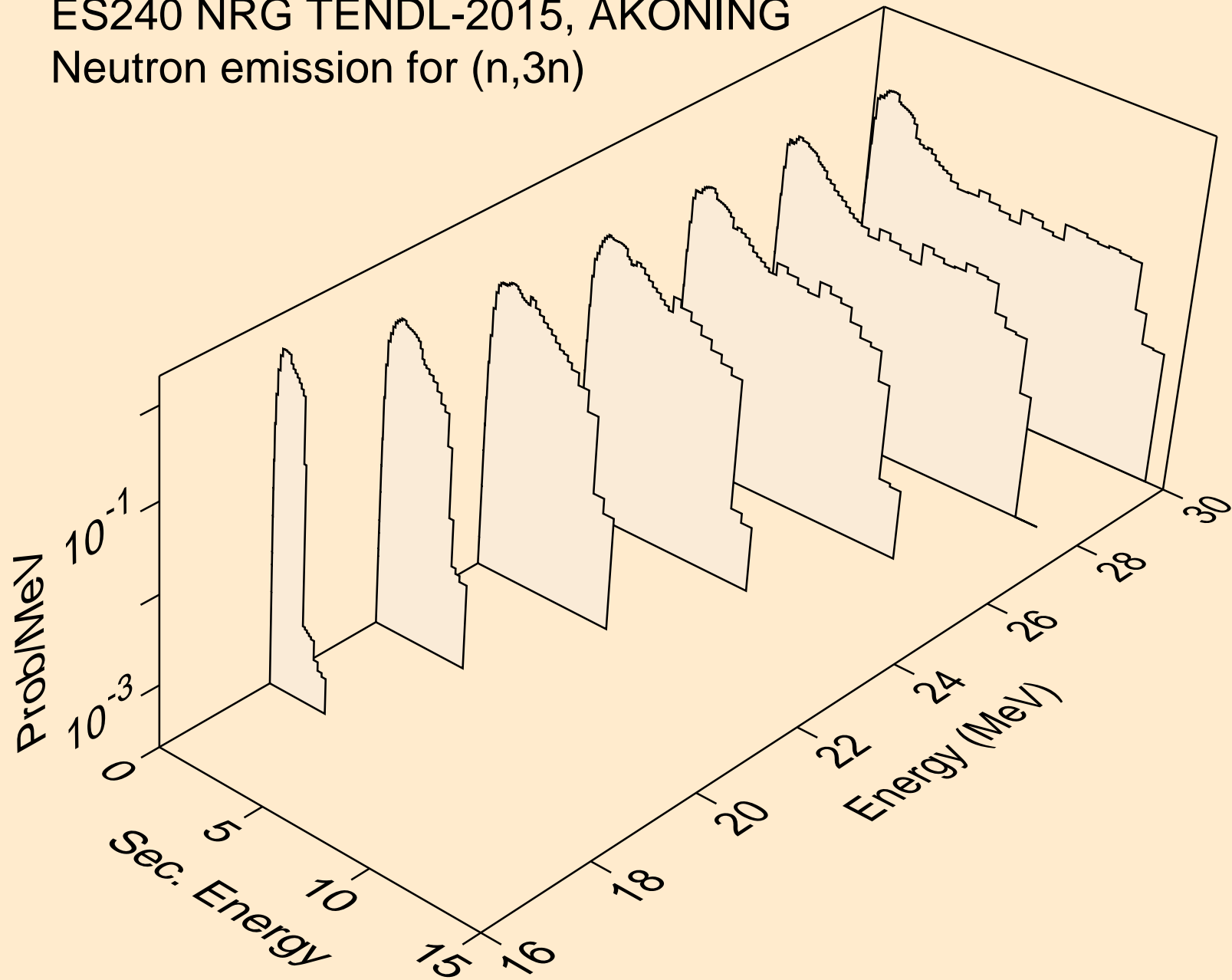
ES240 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



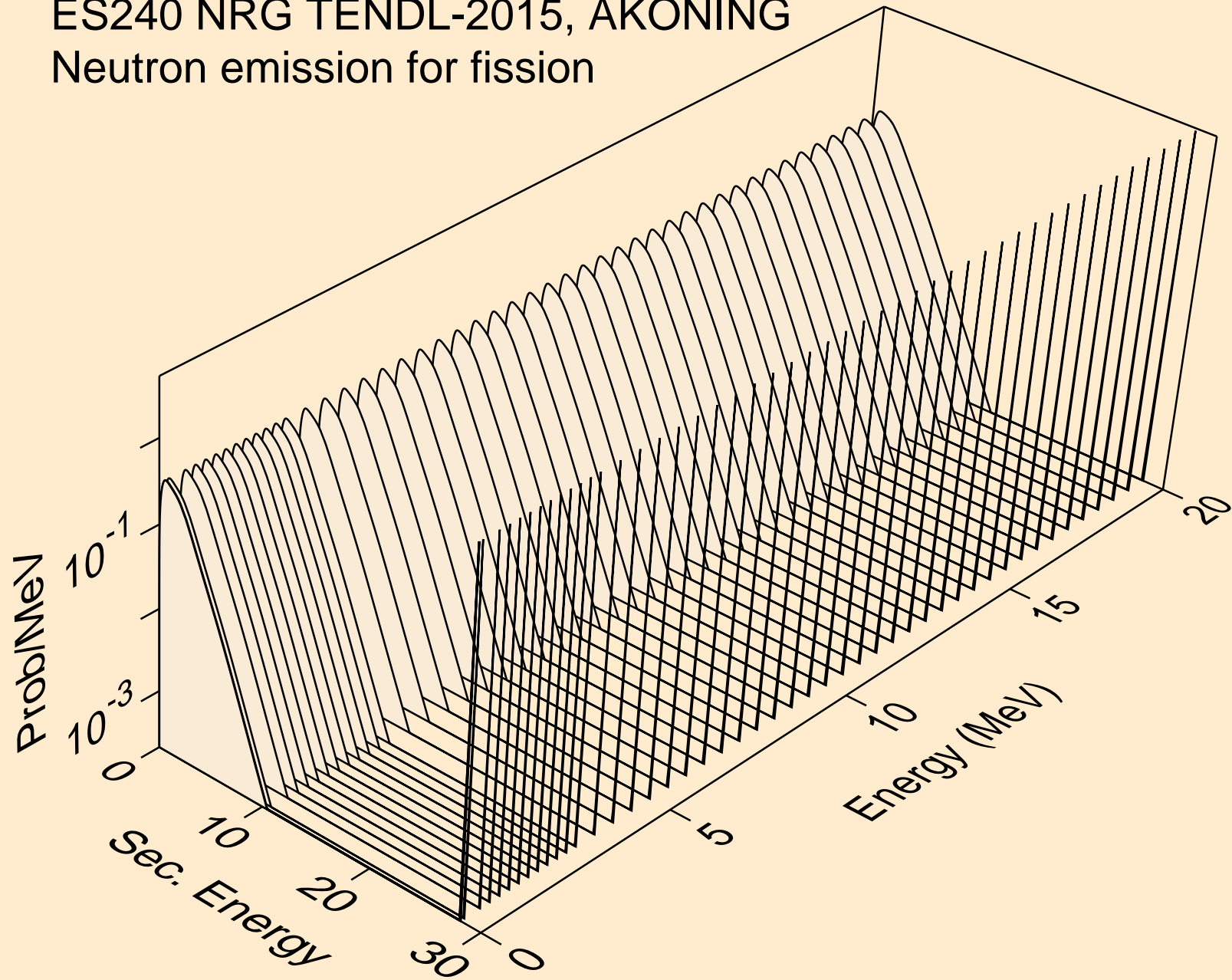
ES240 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



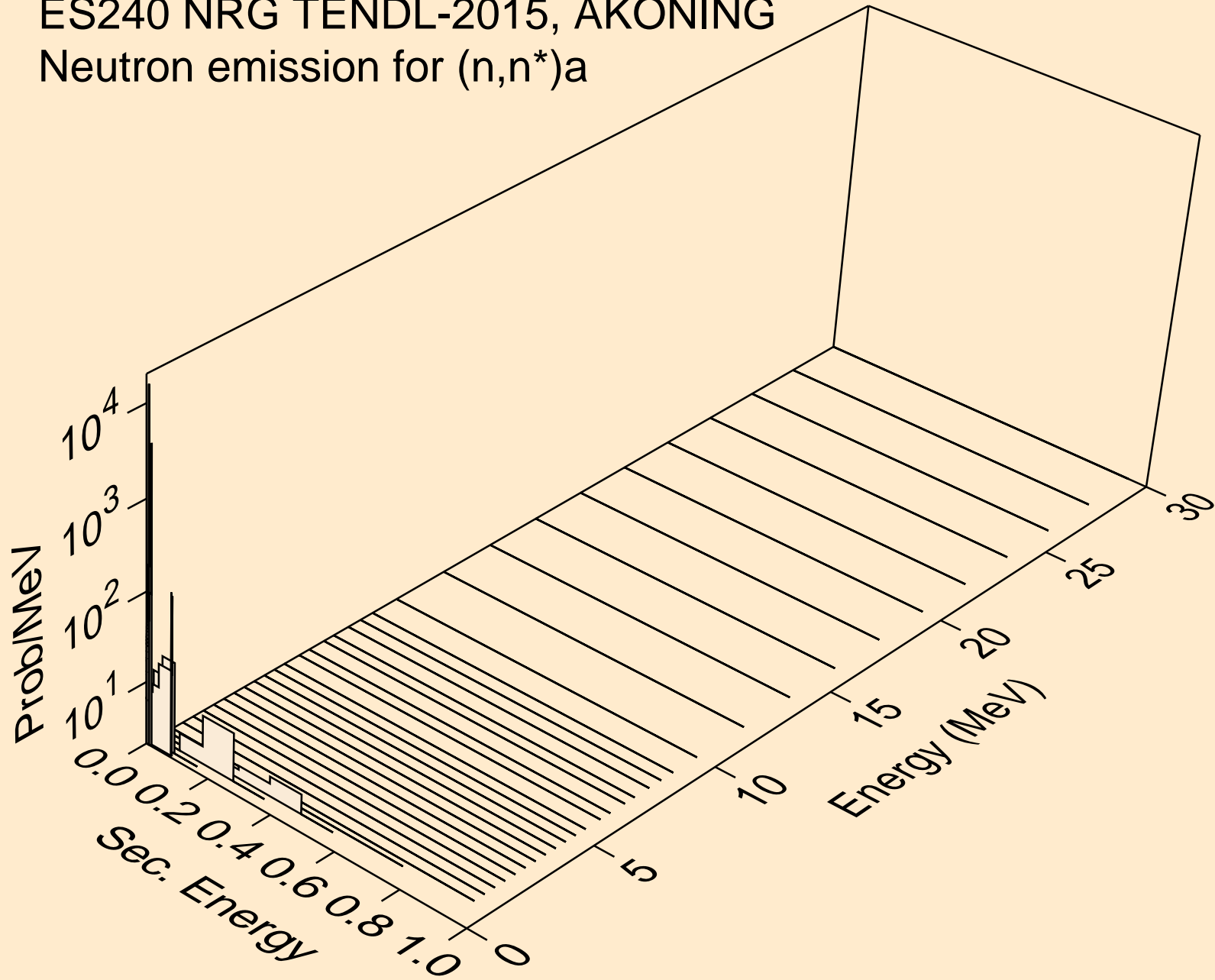
ES240 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



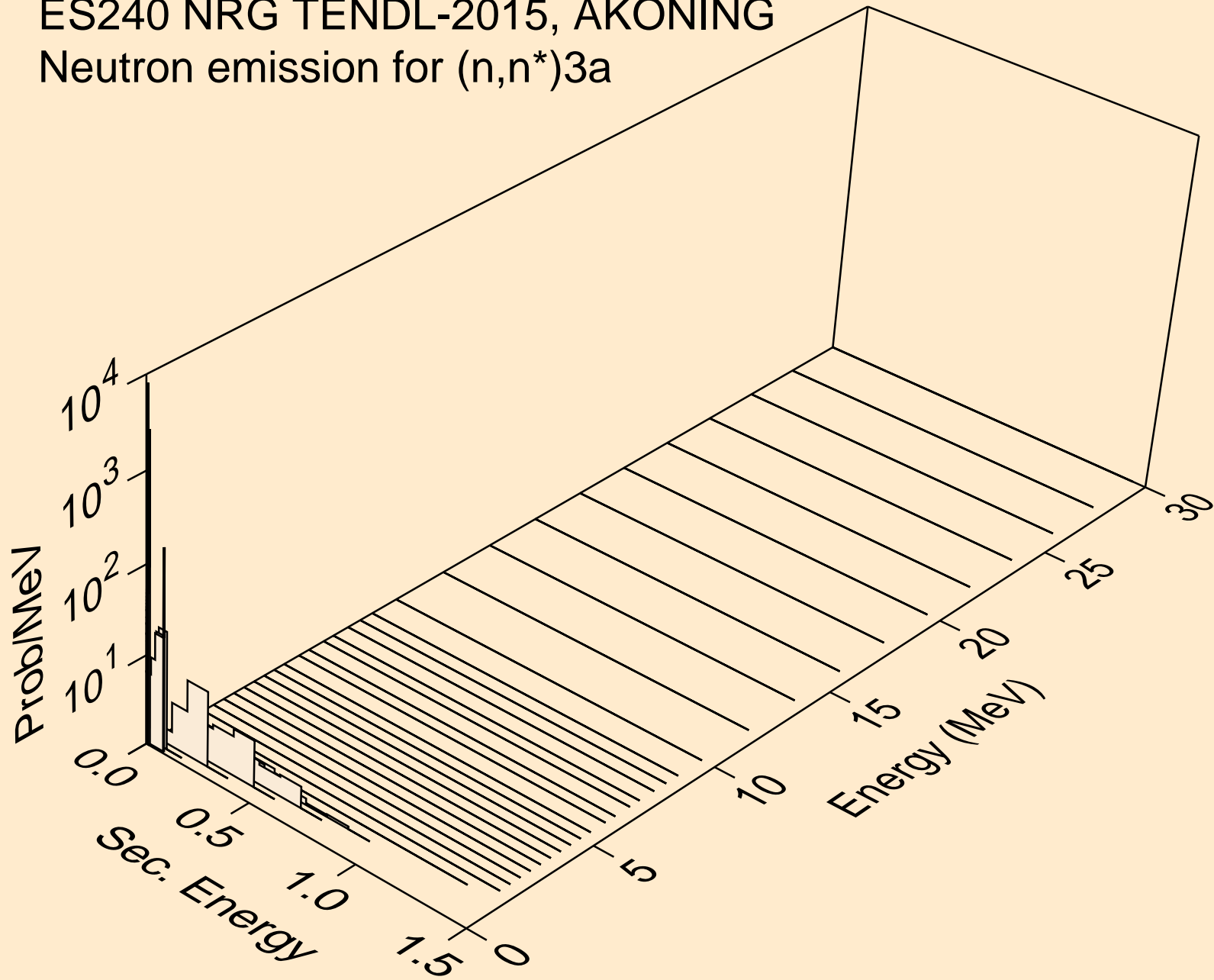
ES240 NRG TENDL-2015, AKONING  
Neutron emission for fission



ES240 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a

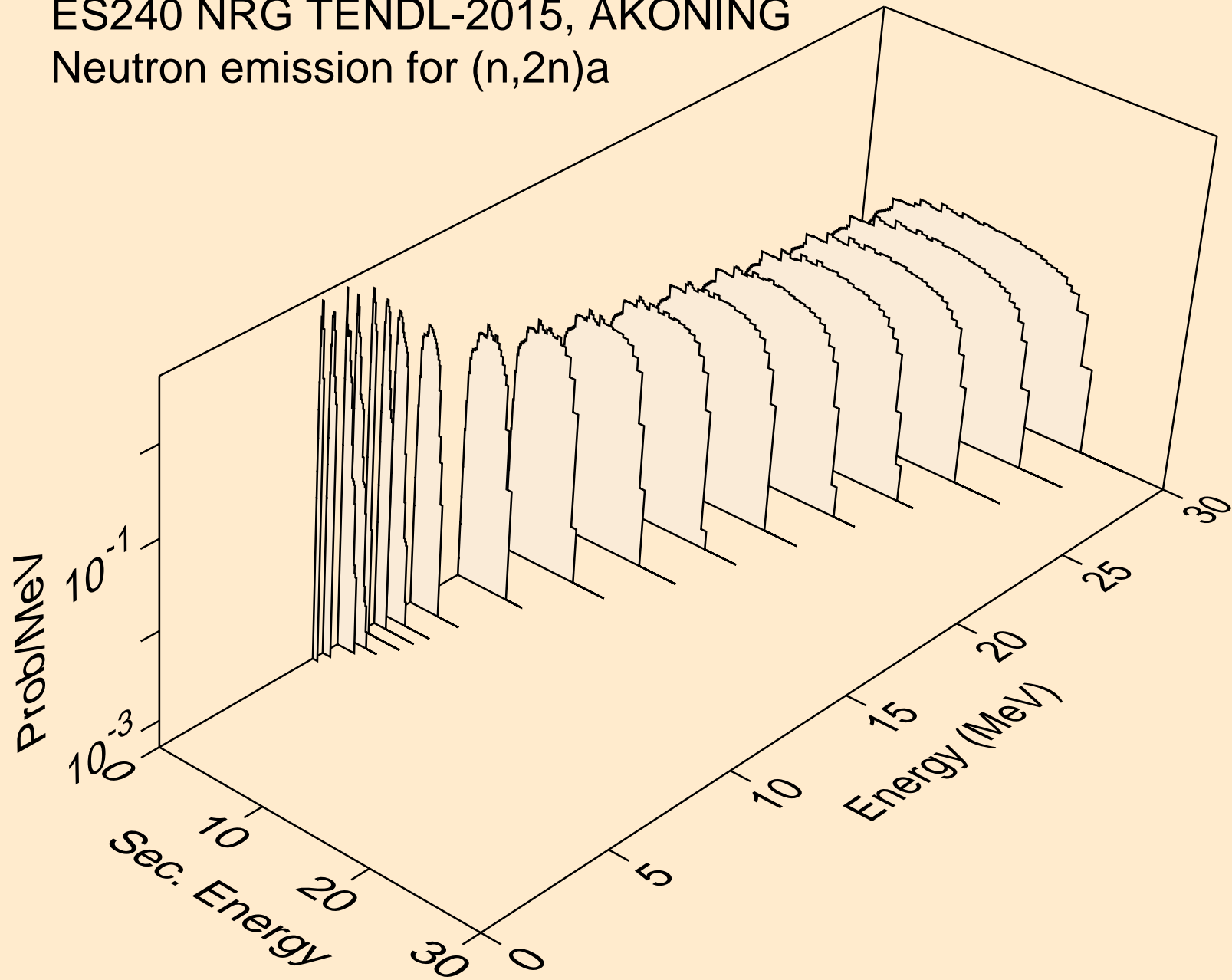


ES240 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)3a

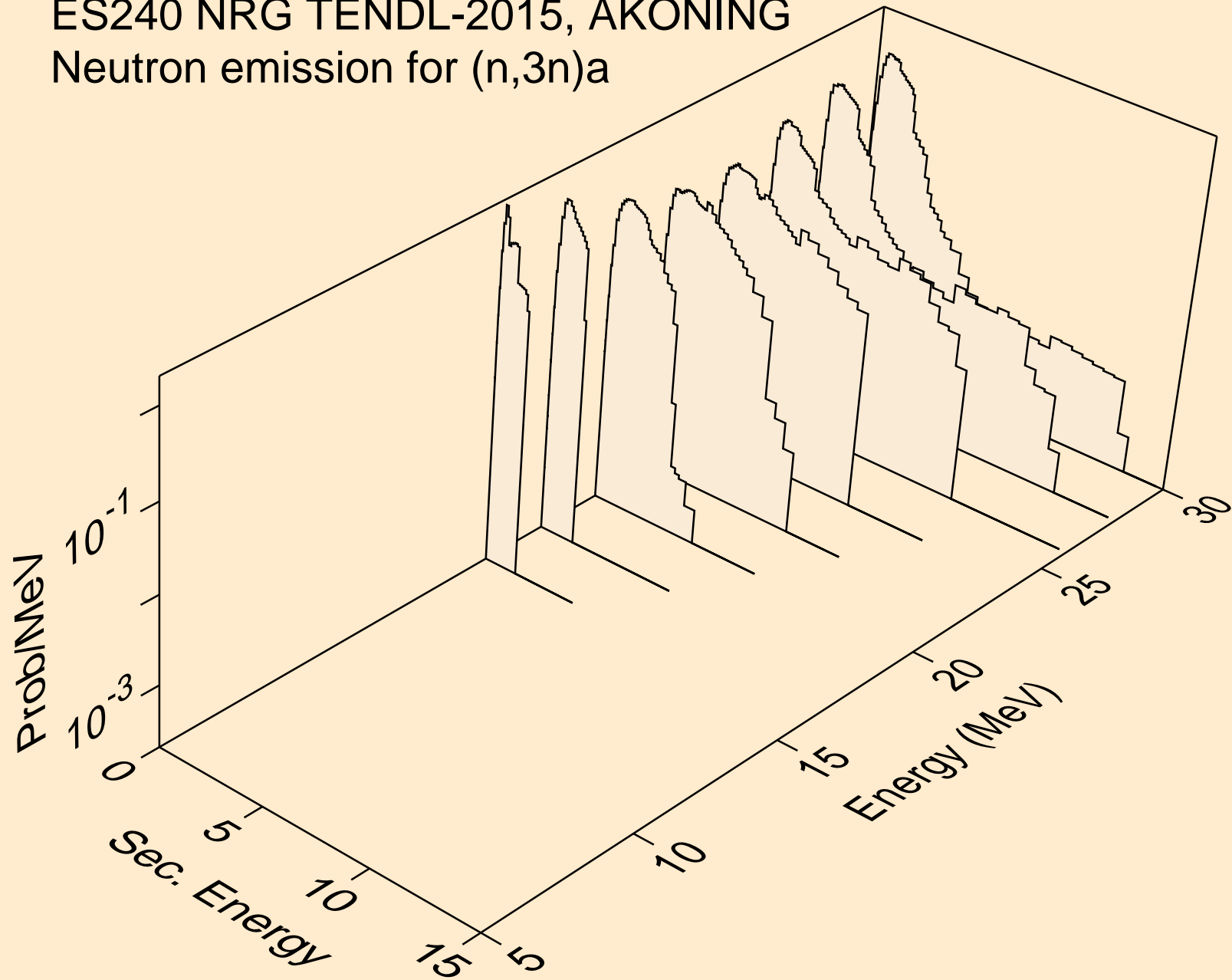




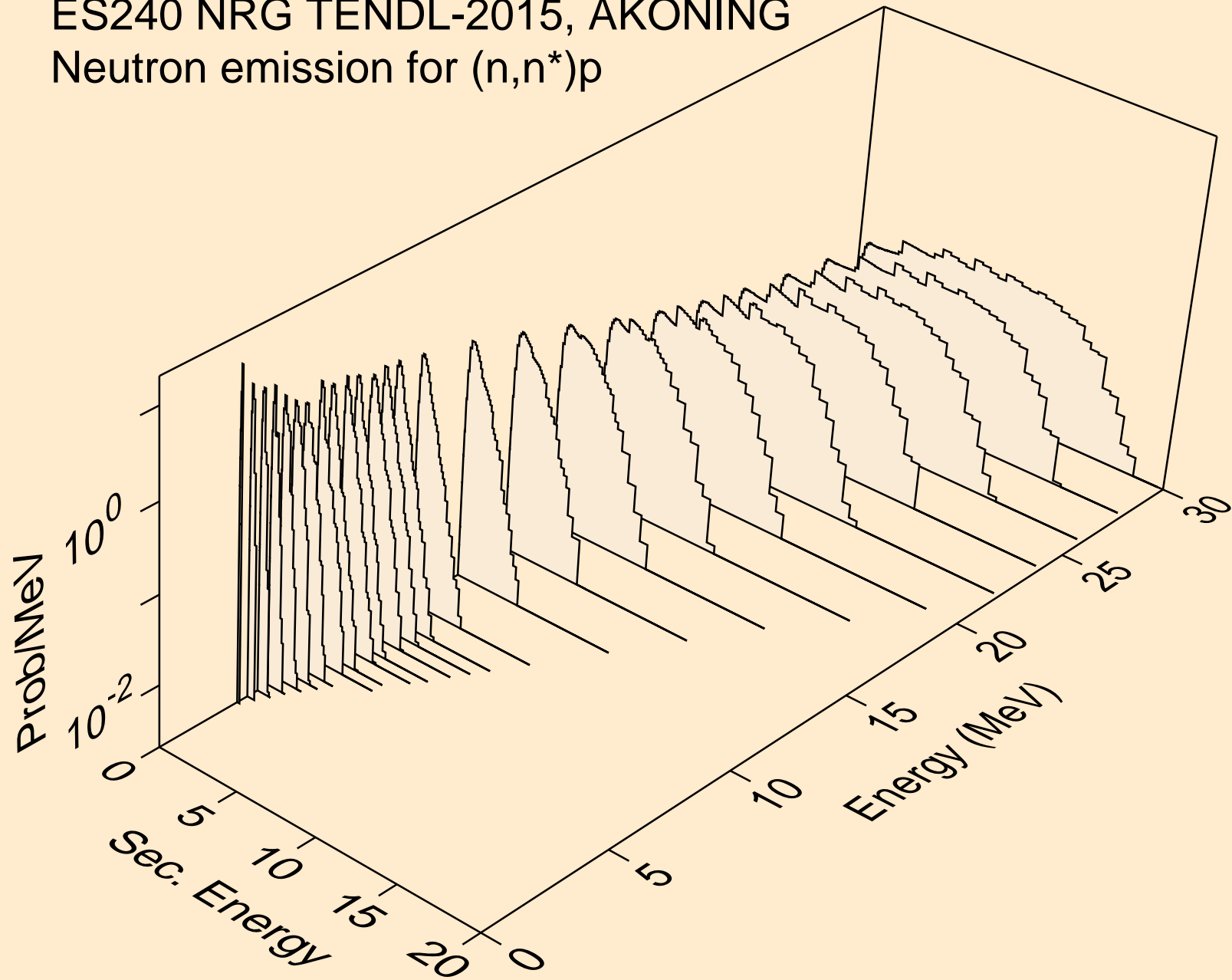
ES240 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



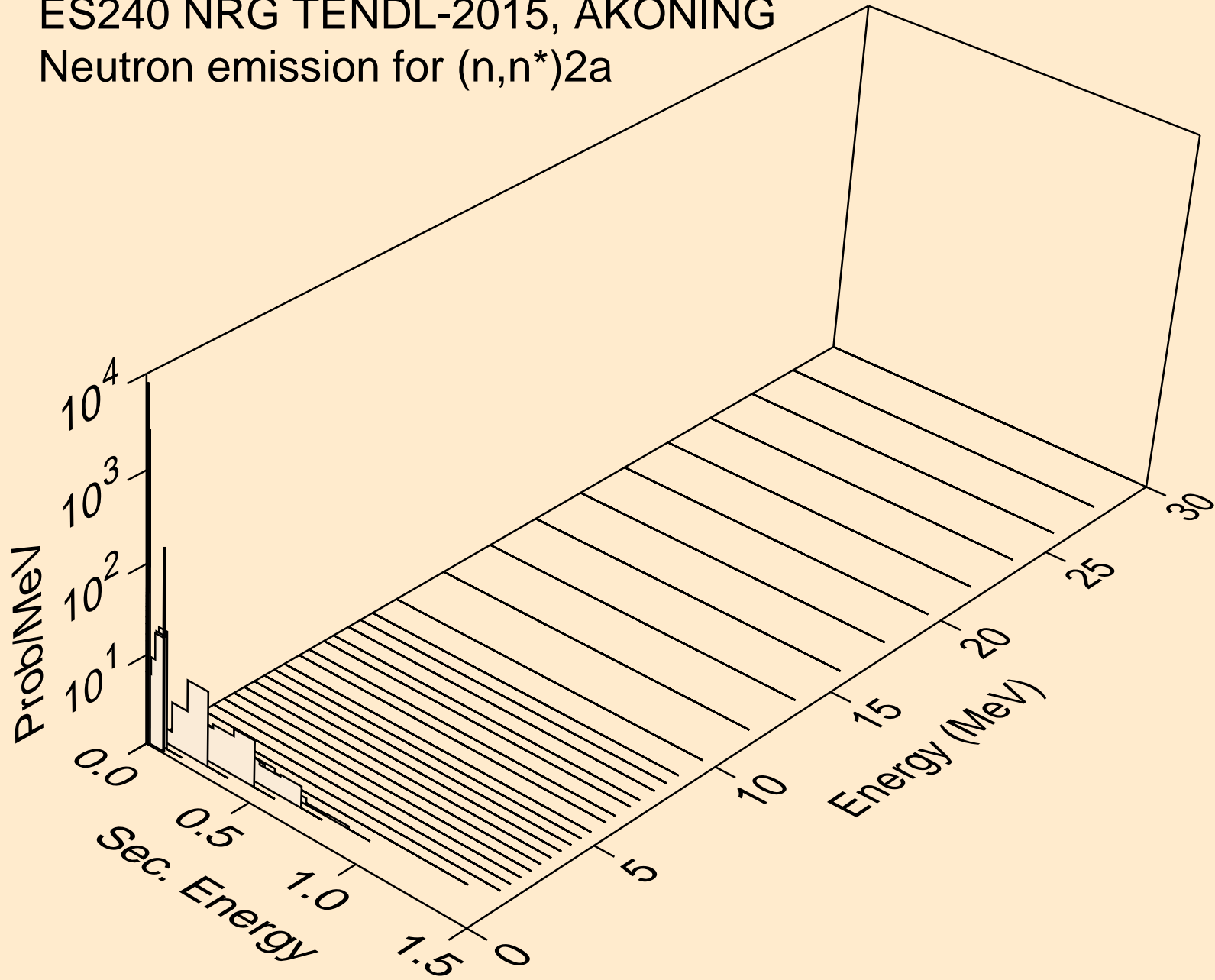
ES240 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



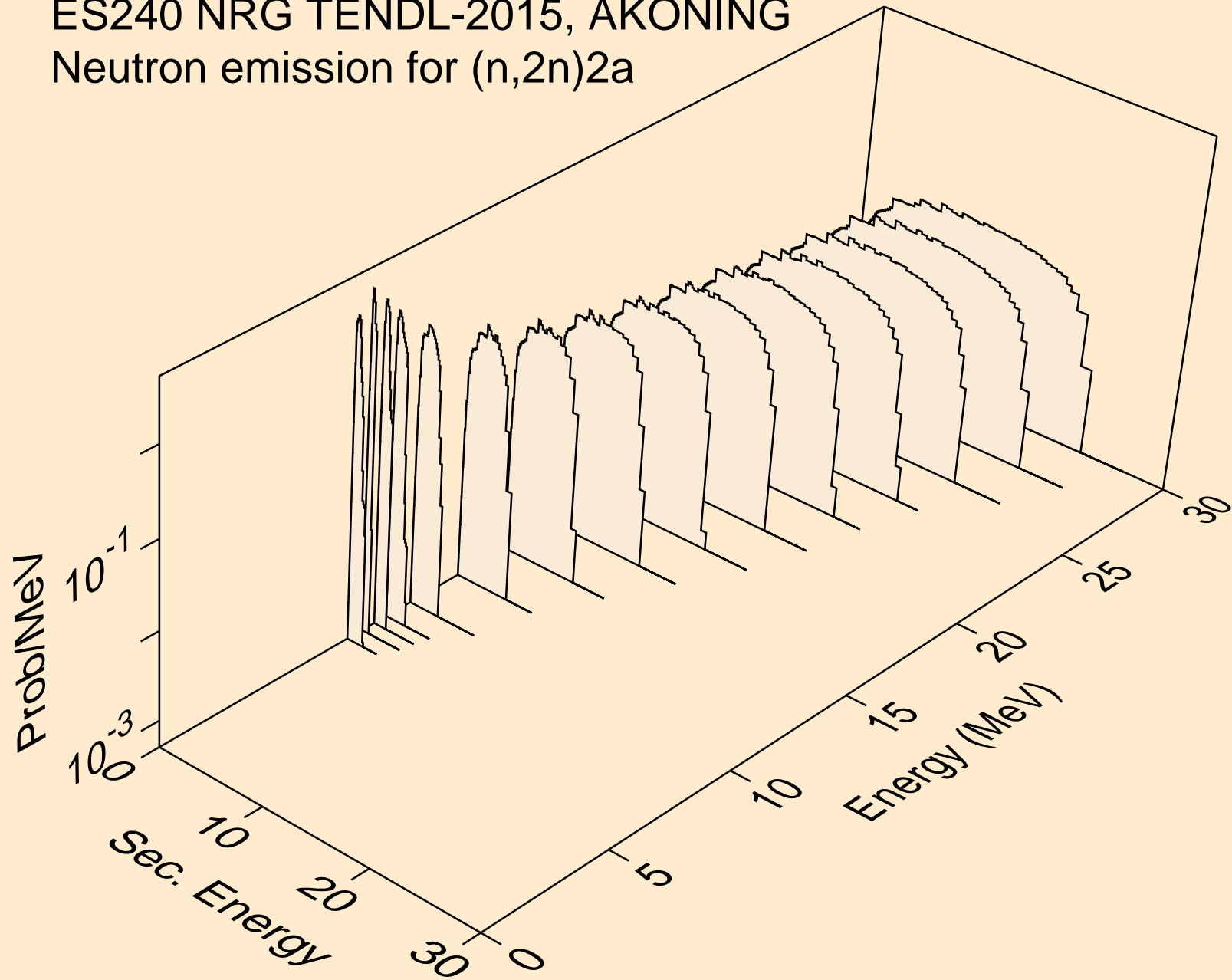
ES240 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



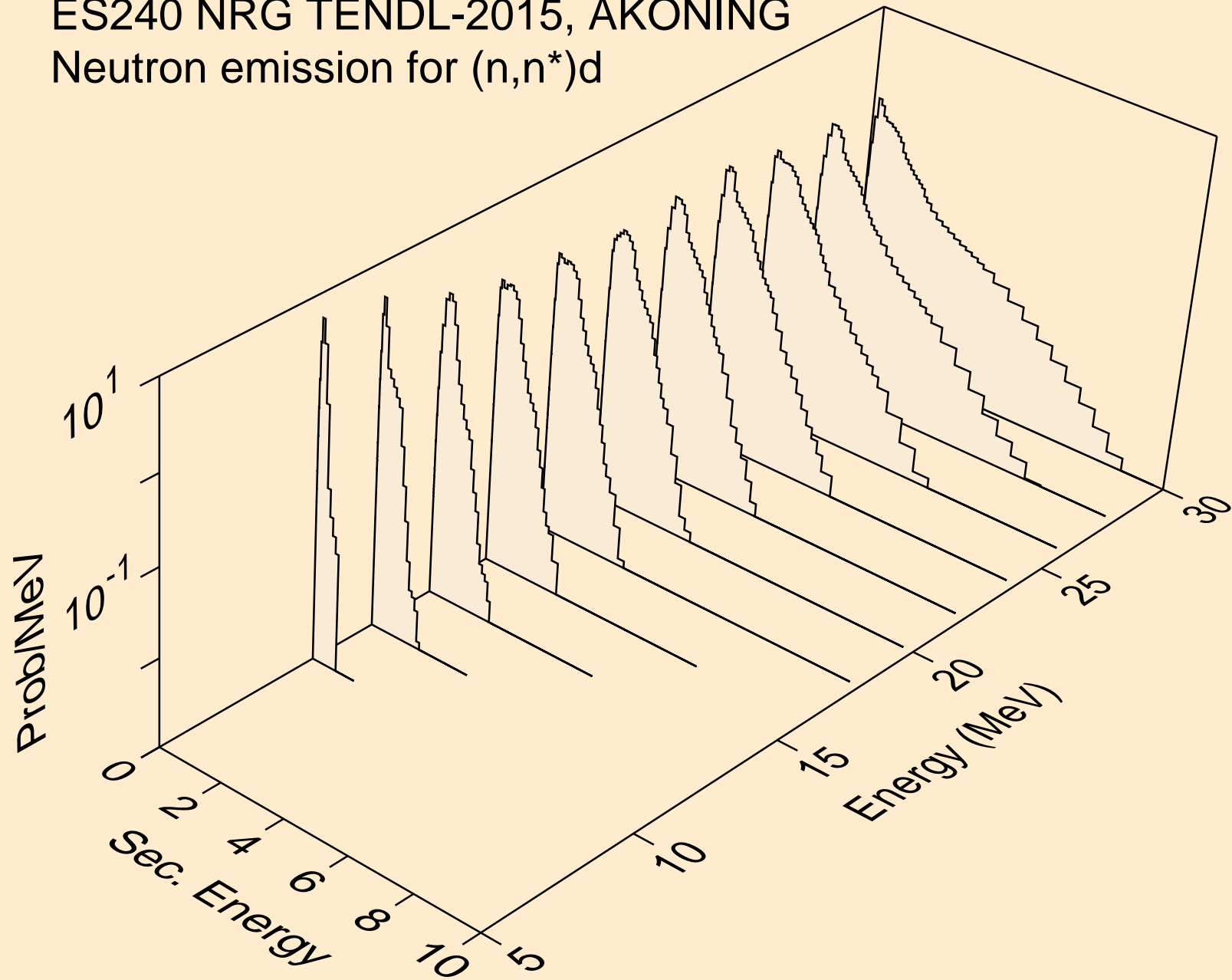
ES240 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



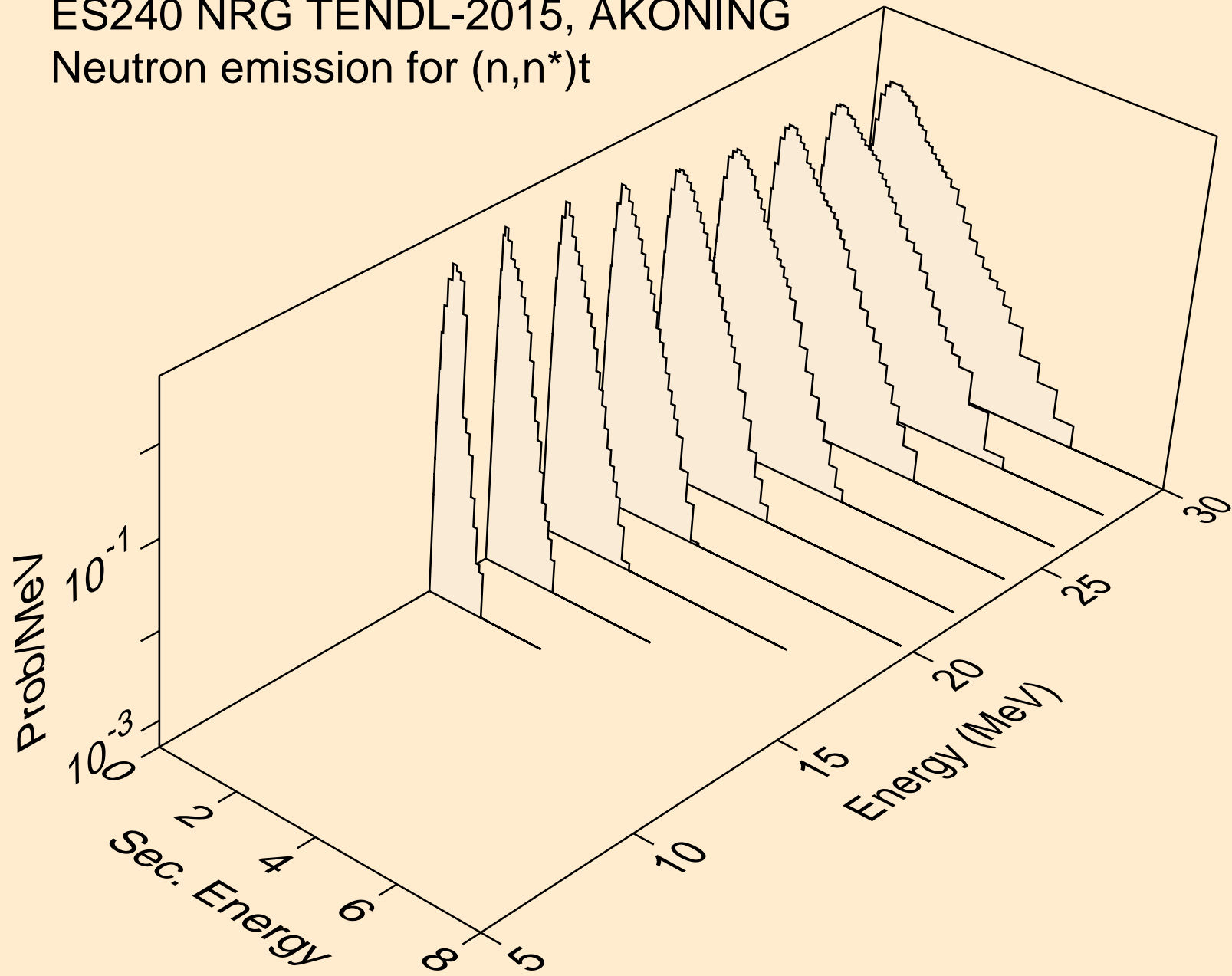
ES240 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)<sub>2a</sub>



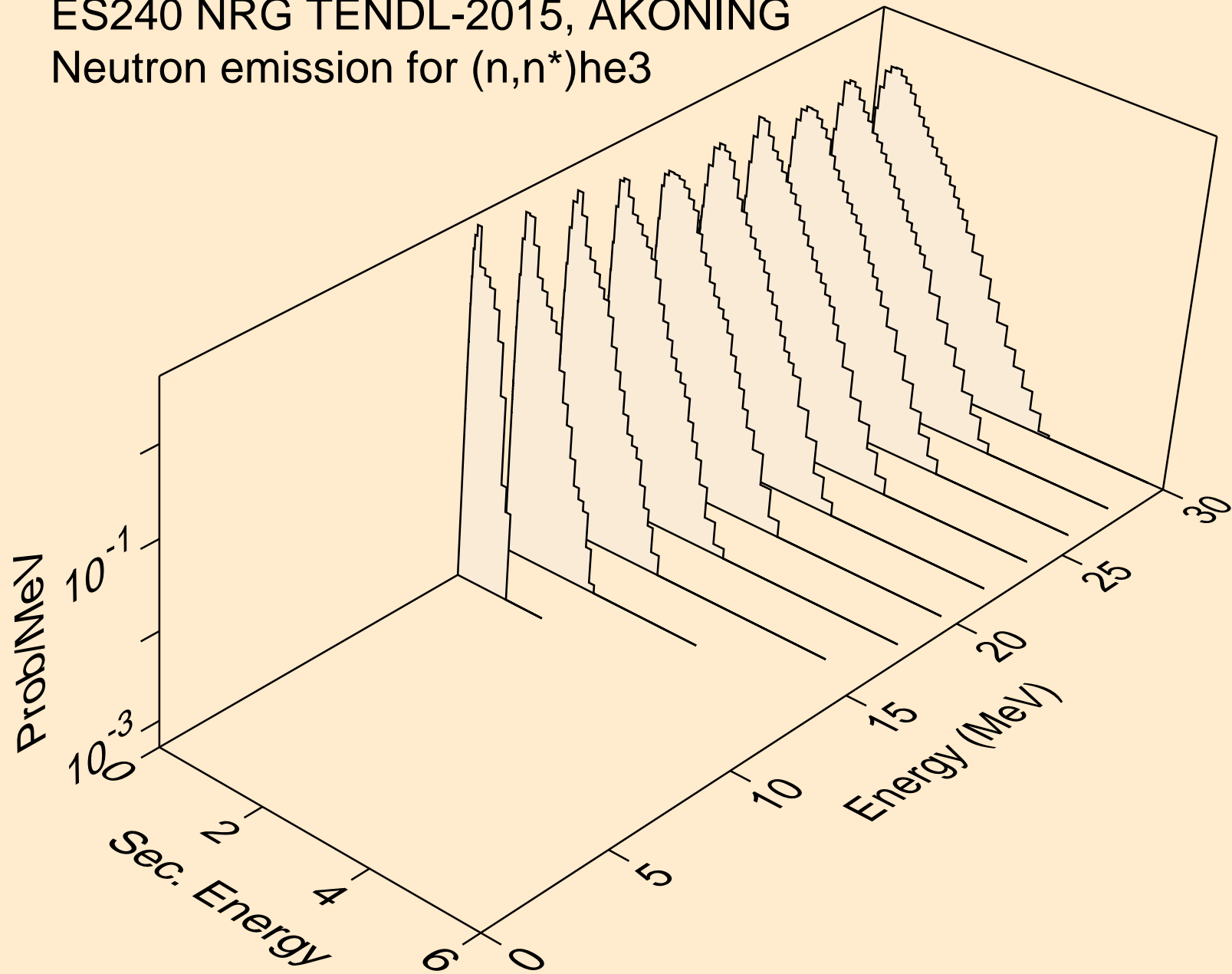
ES240 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



ES240 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t

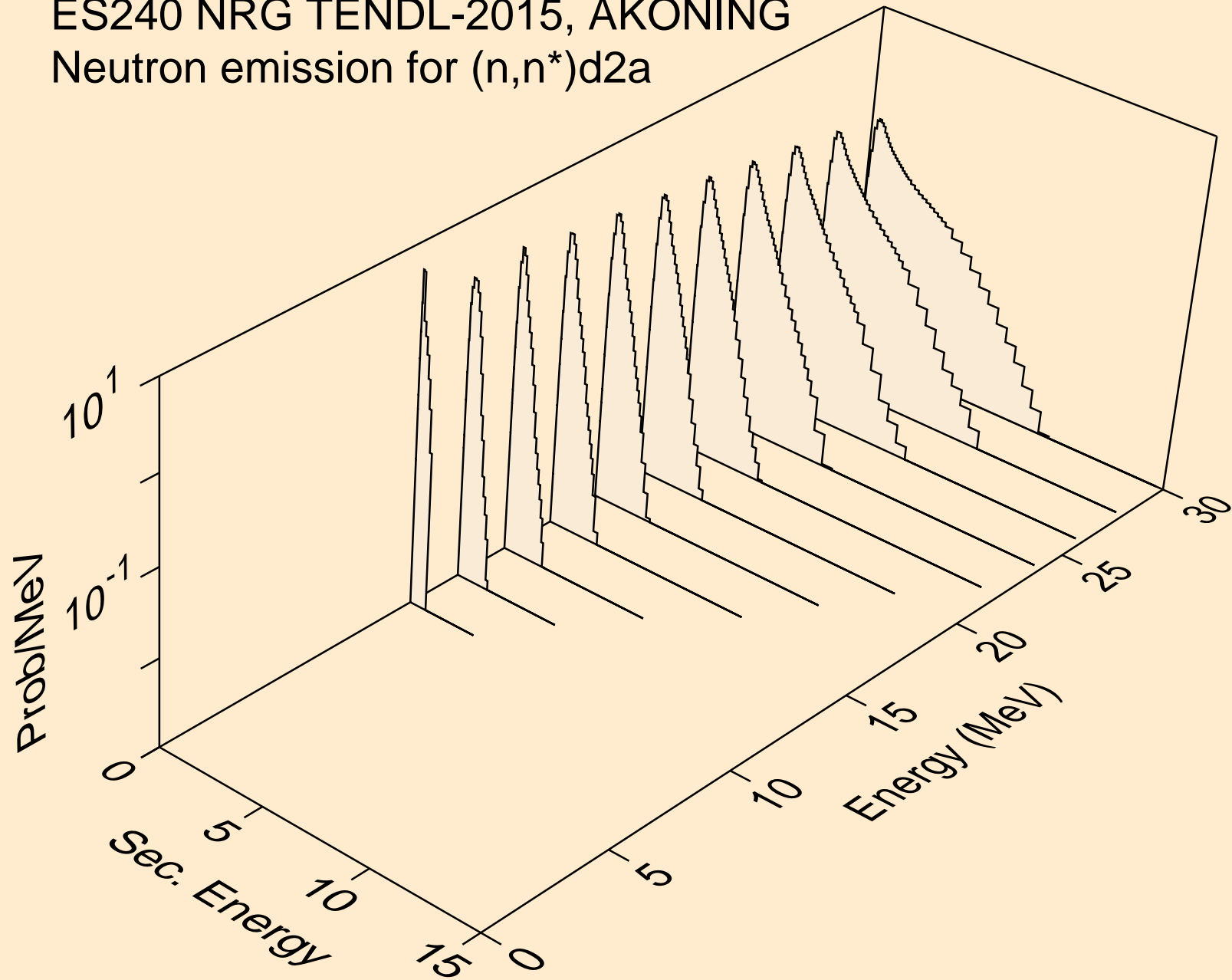


ES240 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3

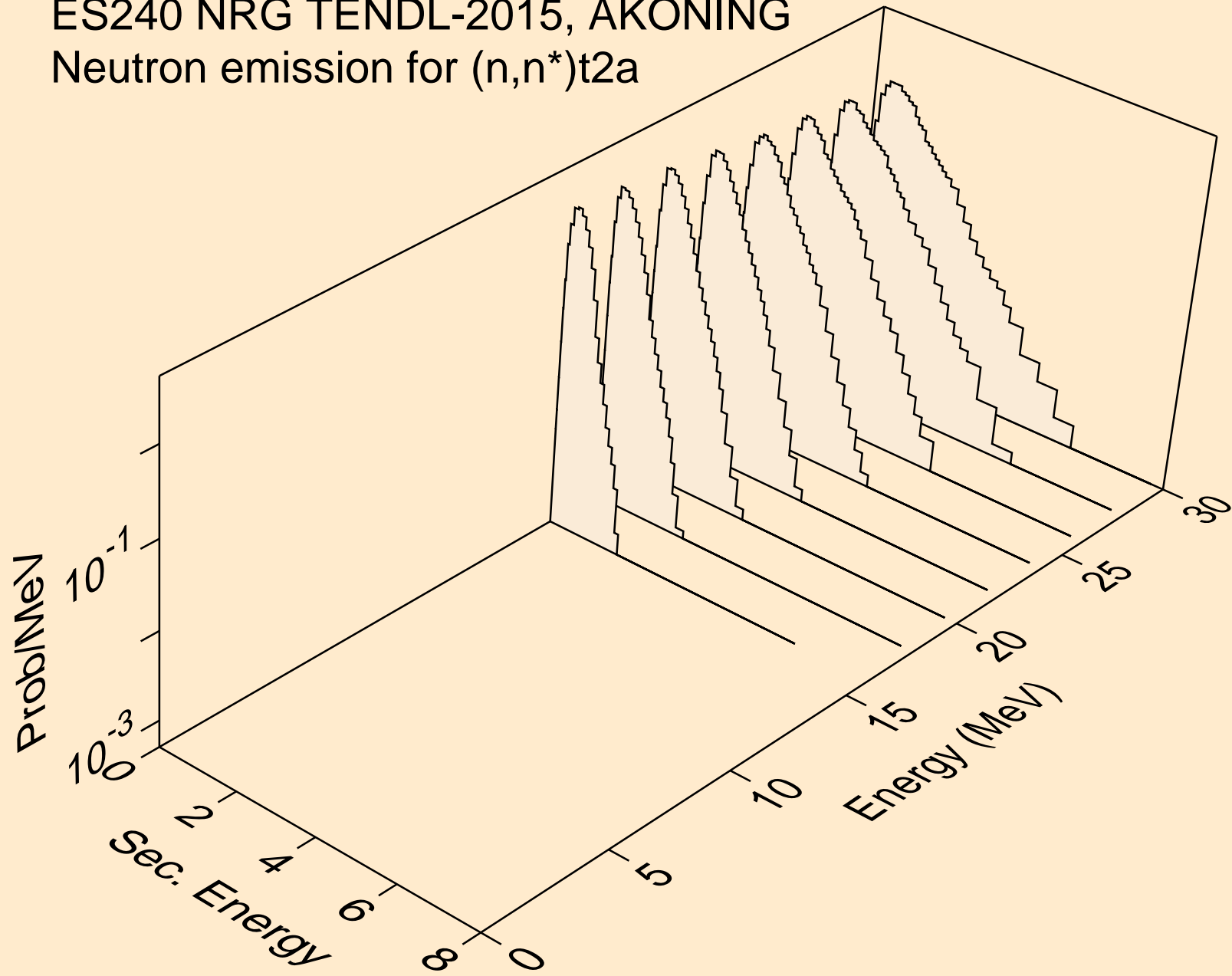




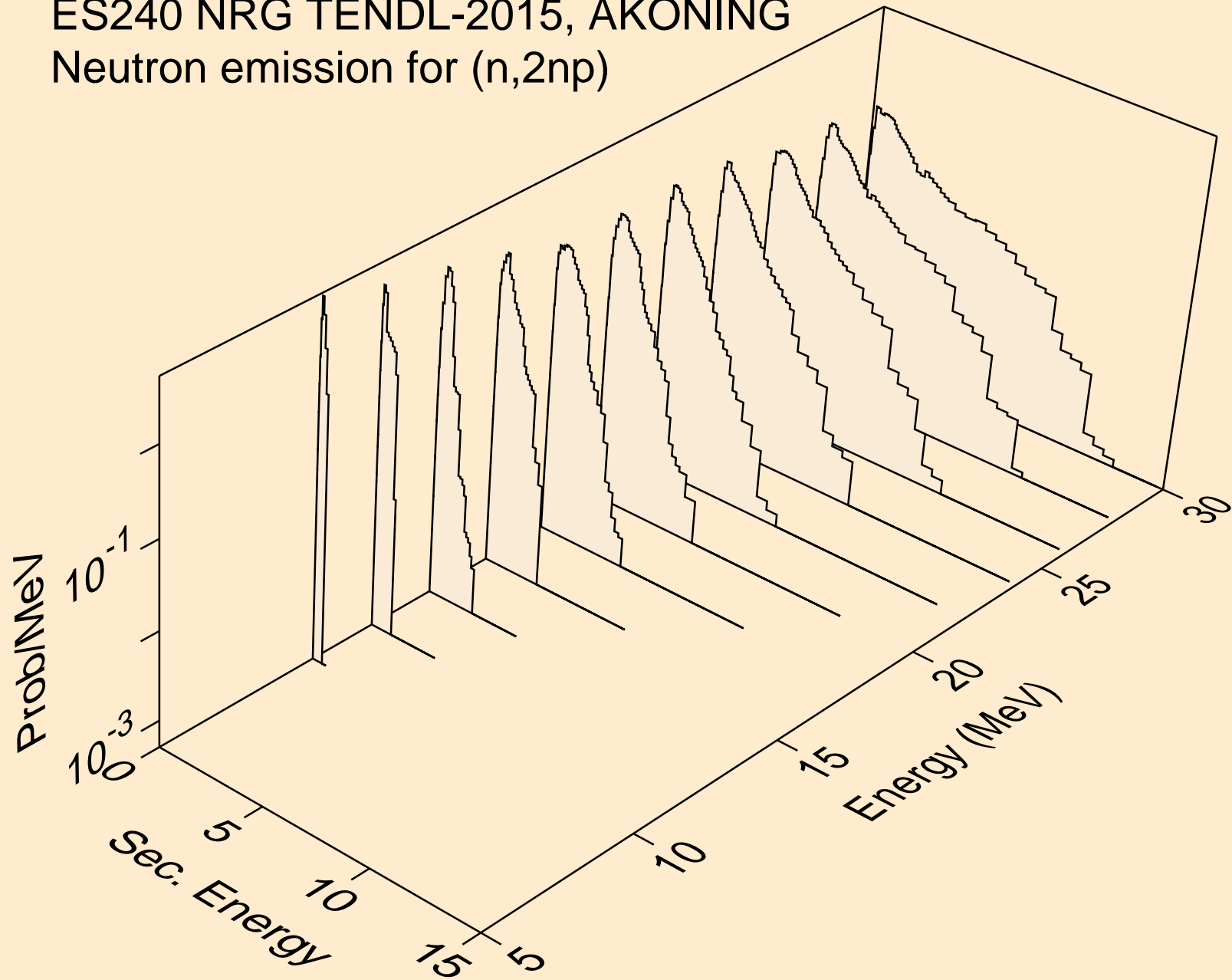
ES240 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d2a



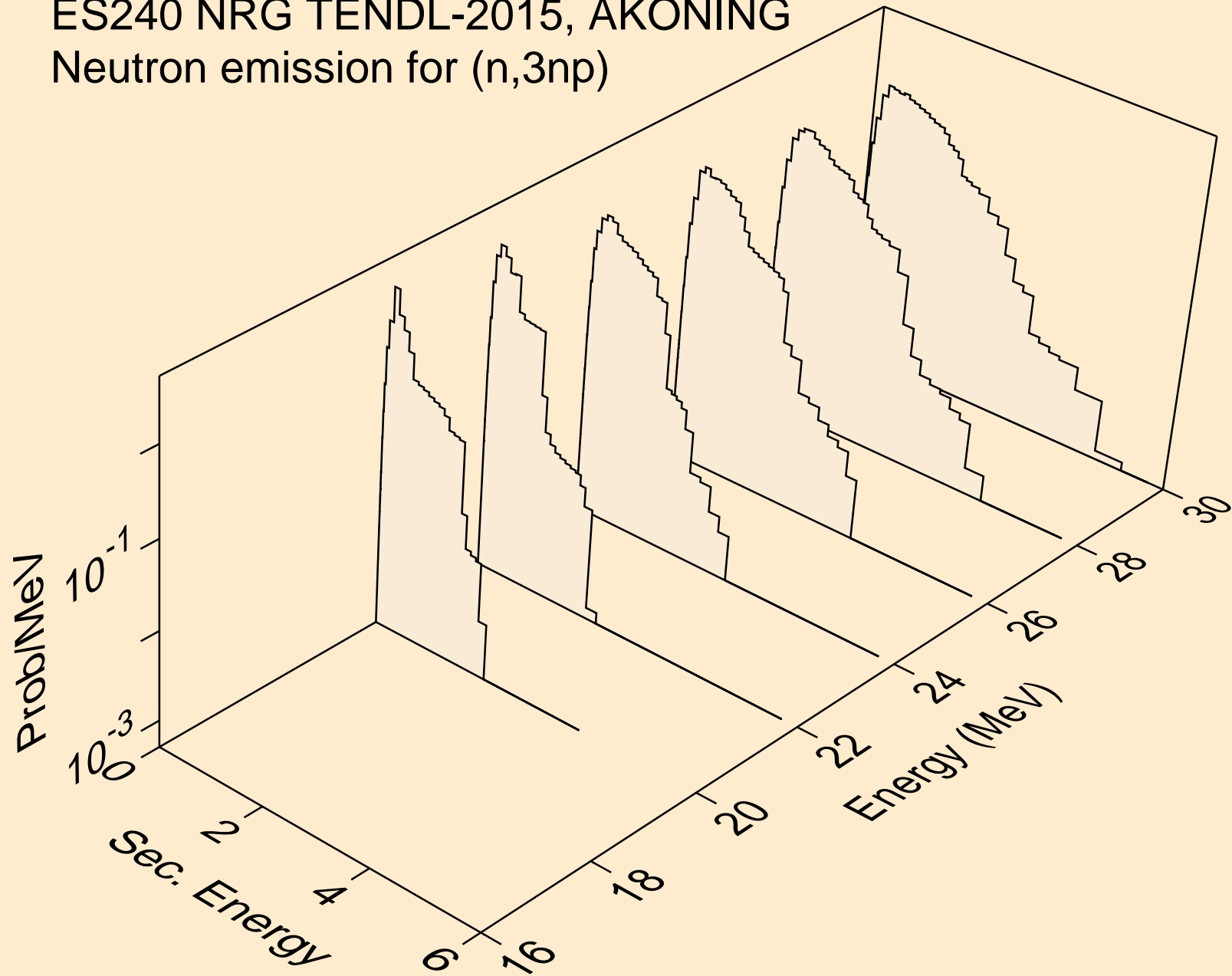
ES240 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t2a



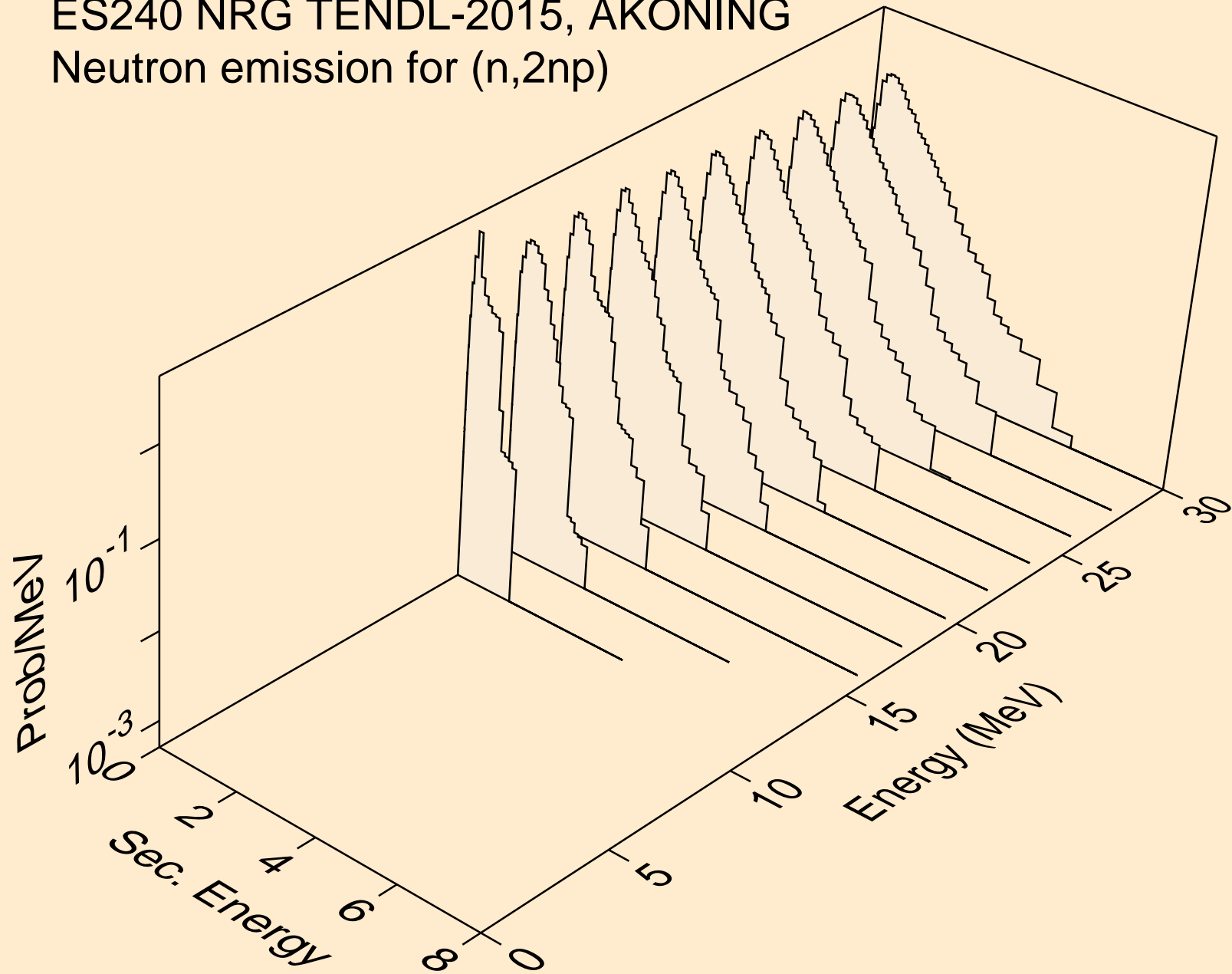
ES240 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



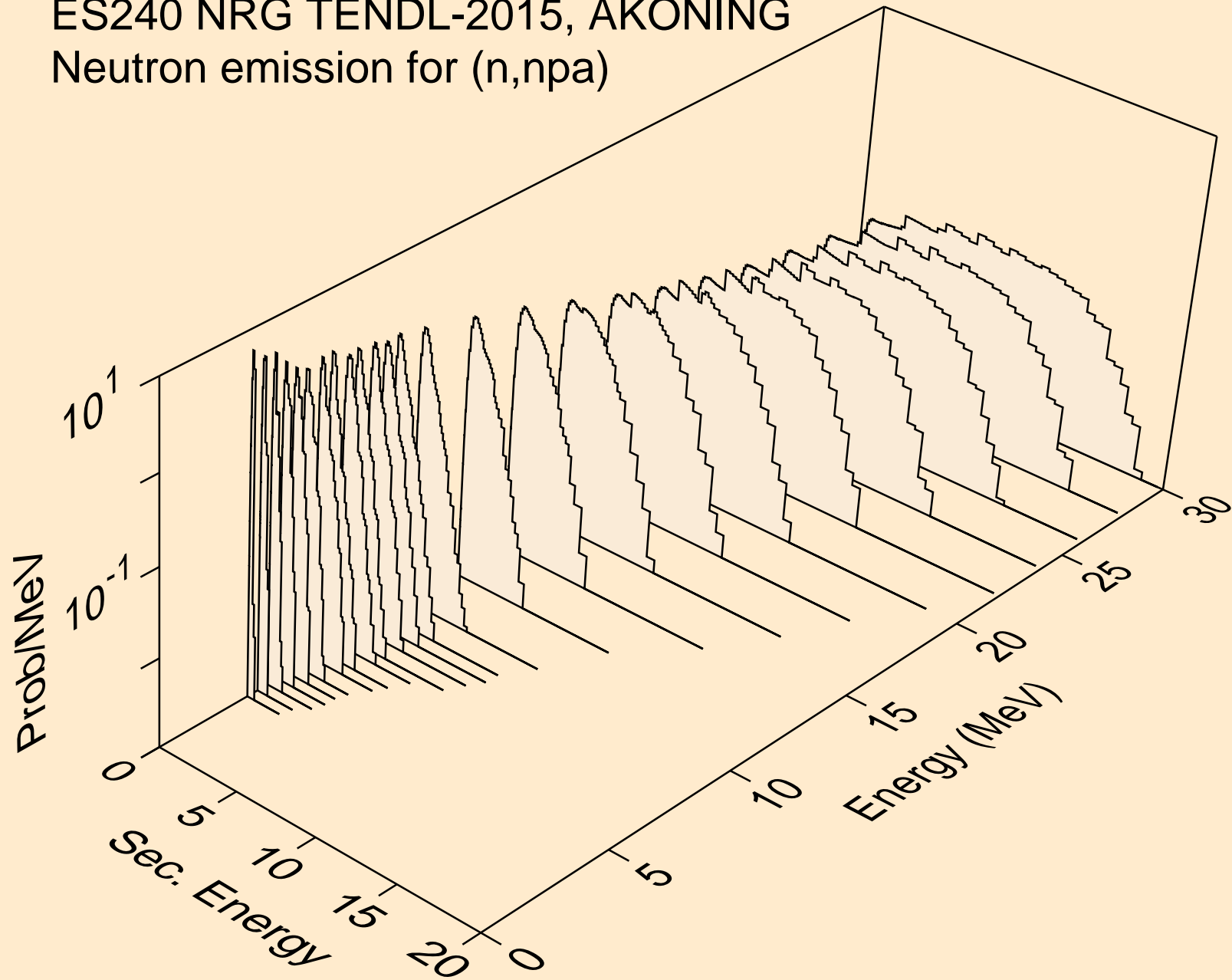
ES240 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



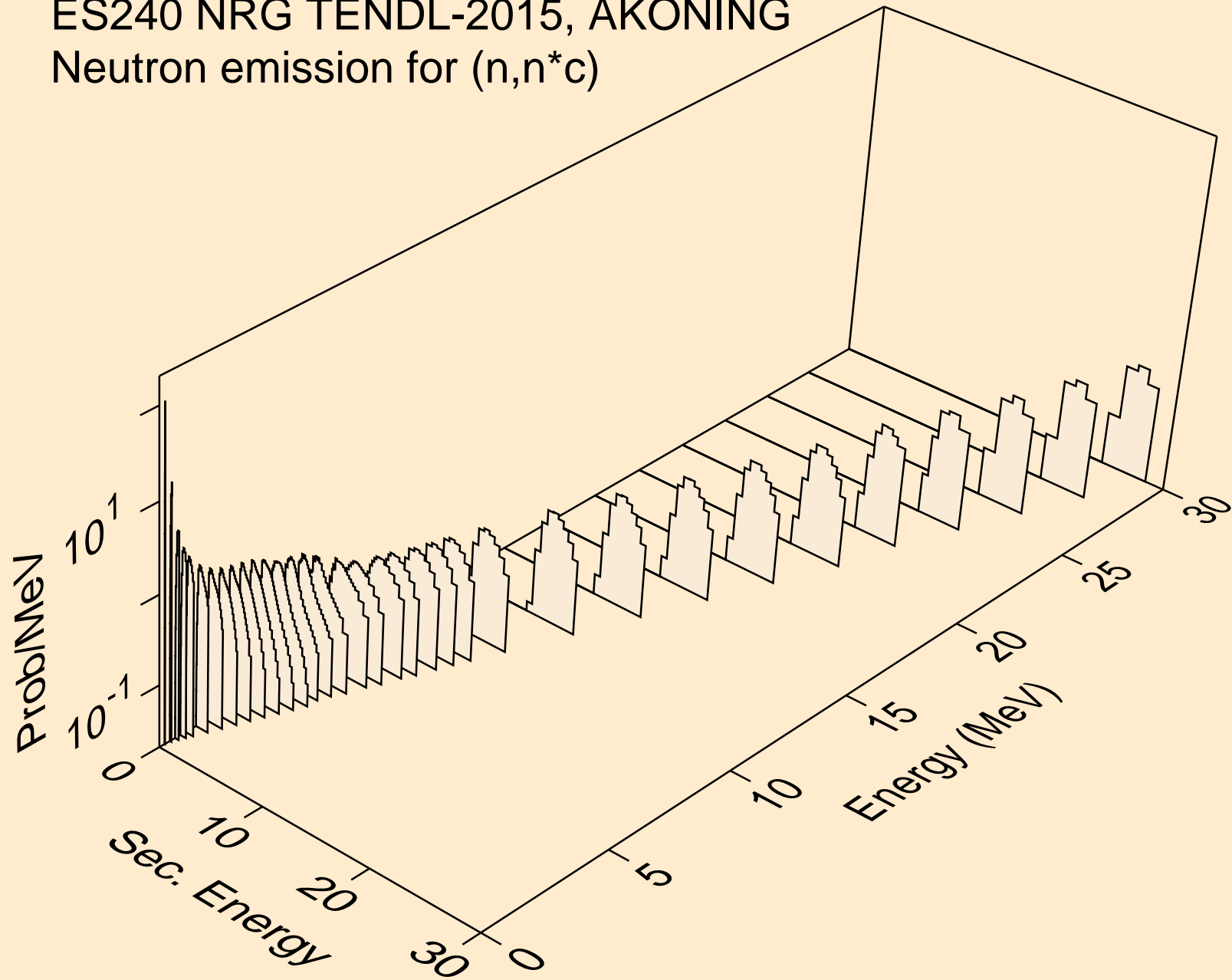
ES240 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



ES240 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)

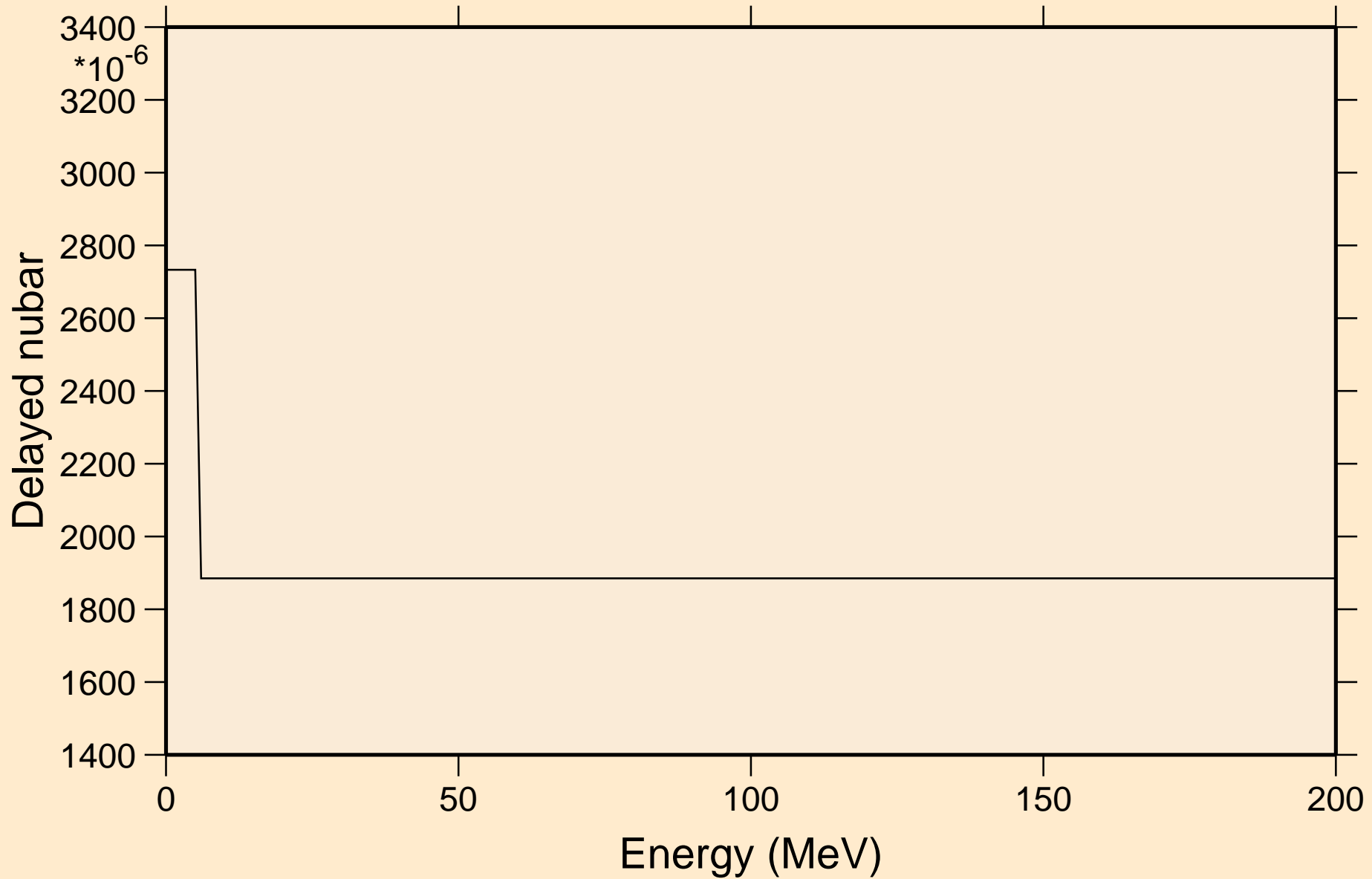


ES240 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



# ES240 NRG TENDL-2015, AKONING

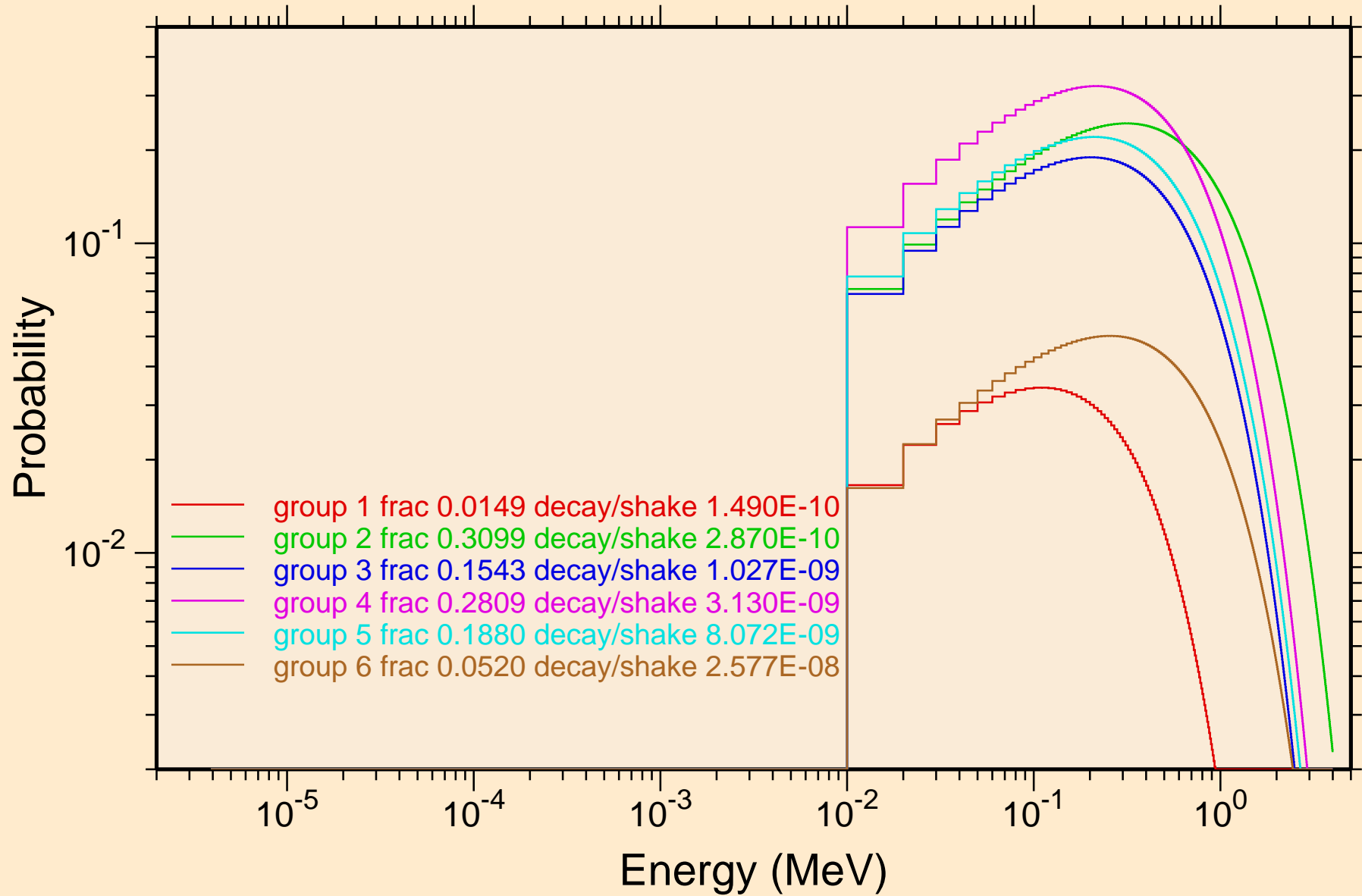
Delayed nubar



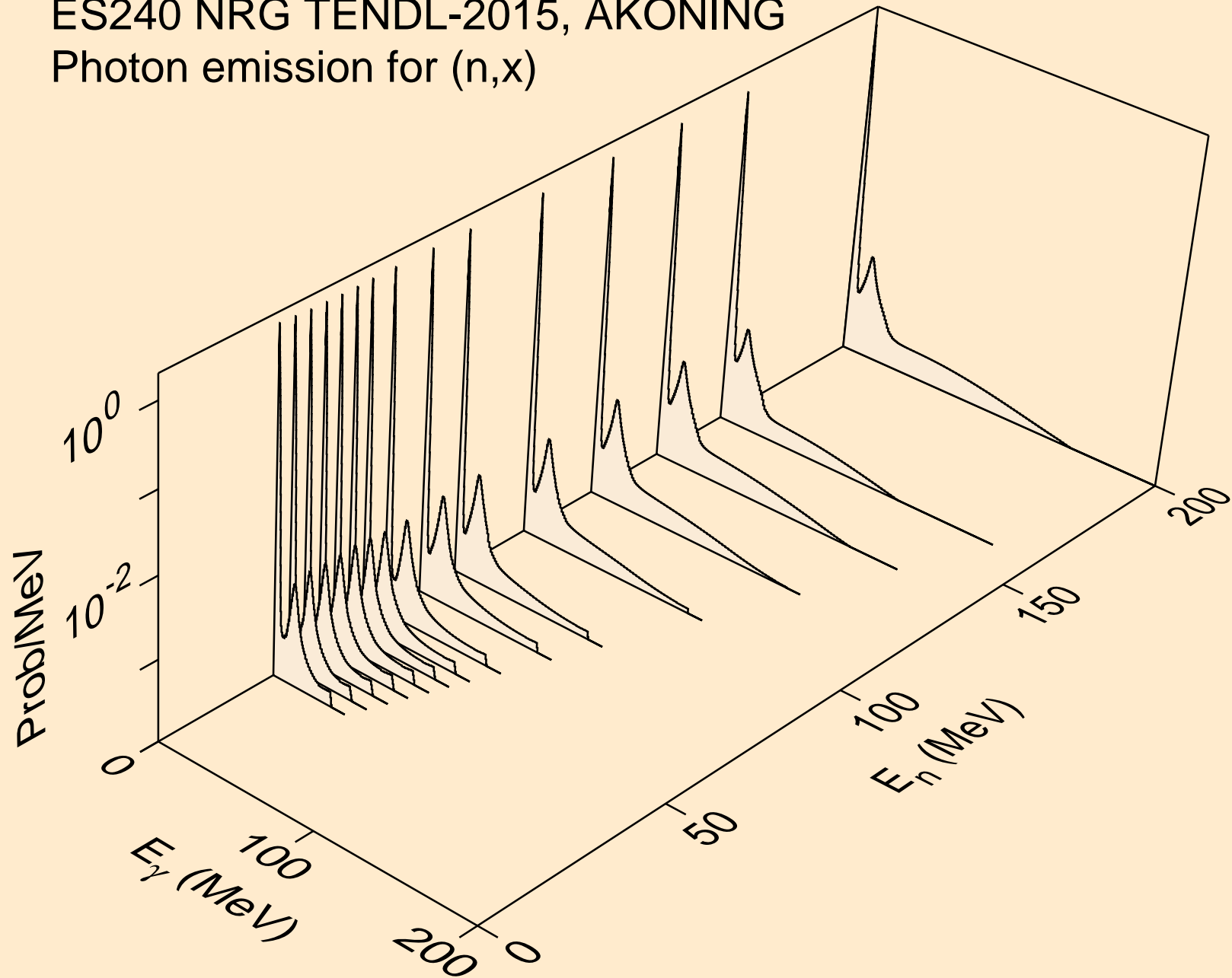


# ES240 NRG TENDL-2015, AKONING

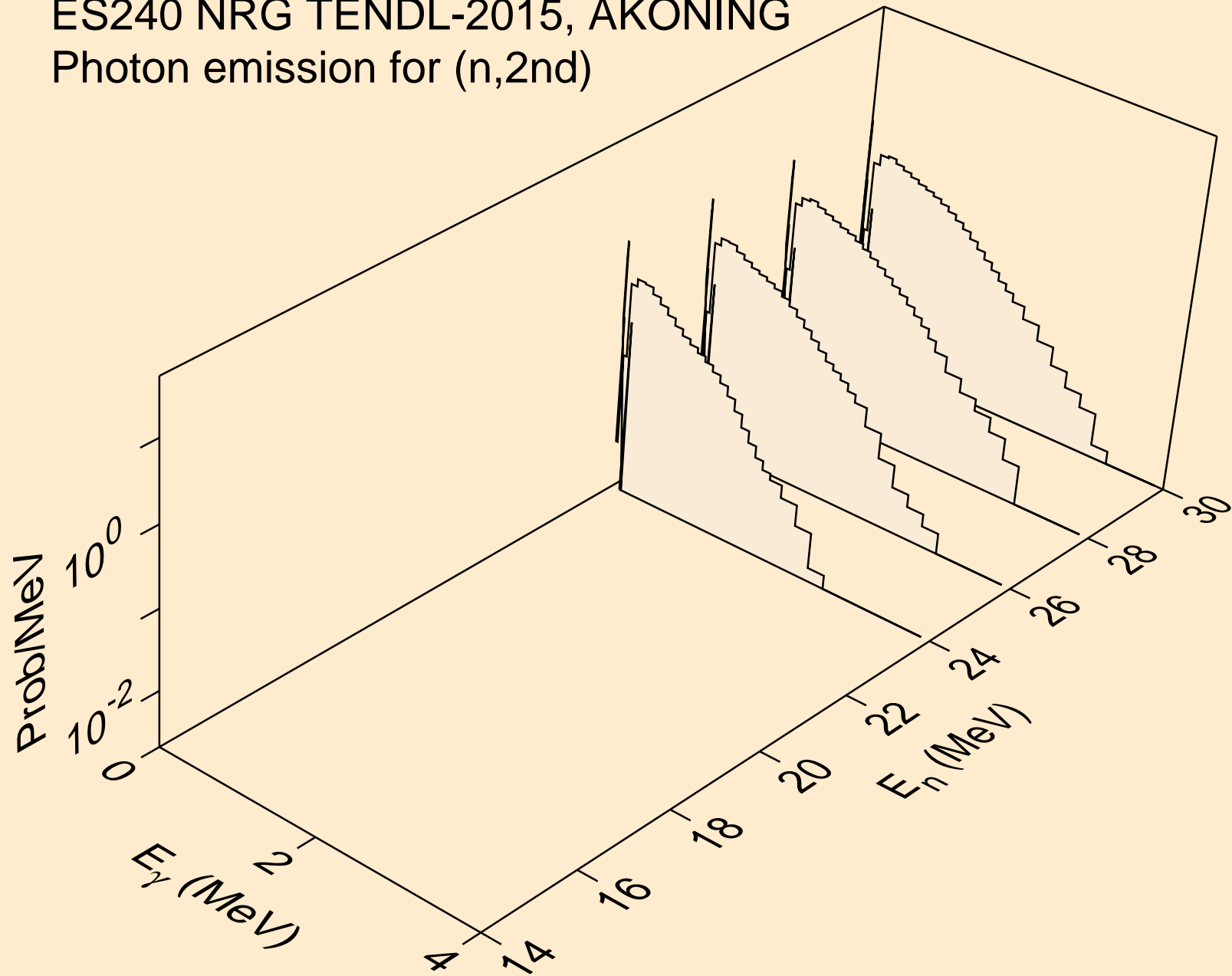
## Delayed neutron spectra



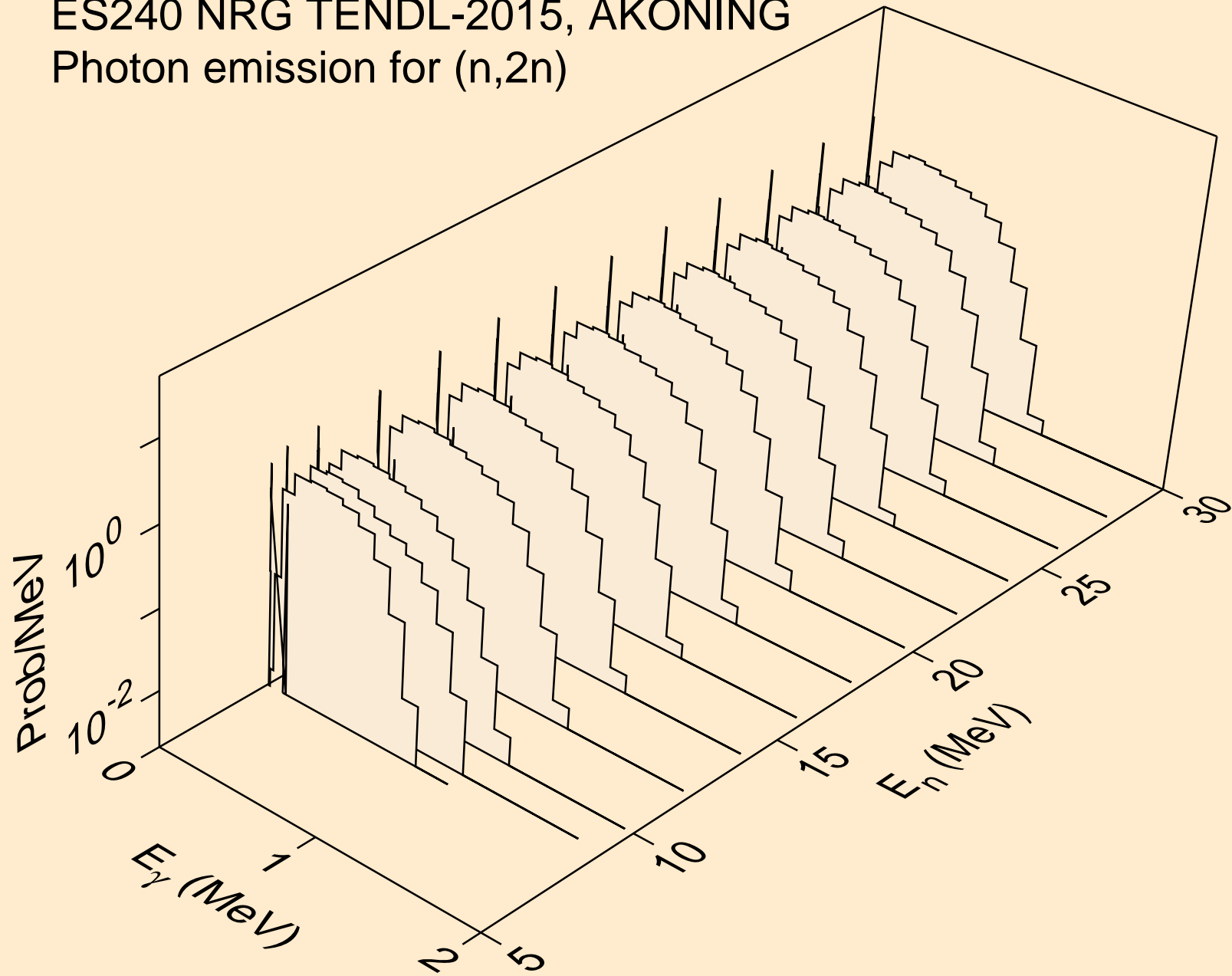
ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



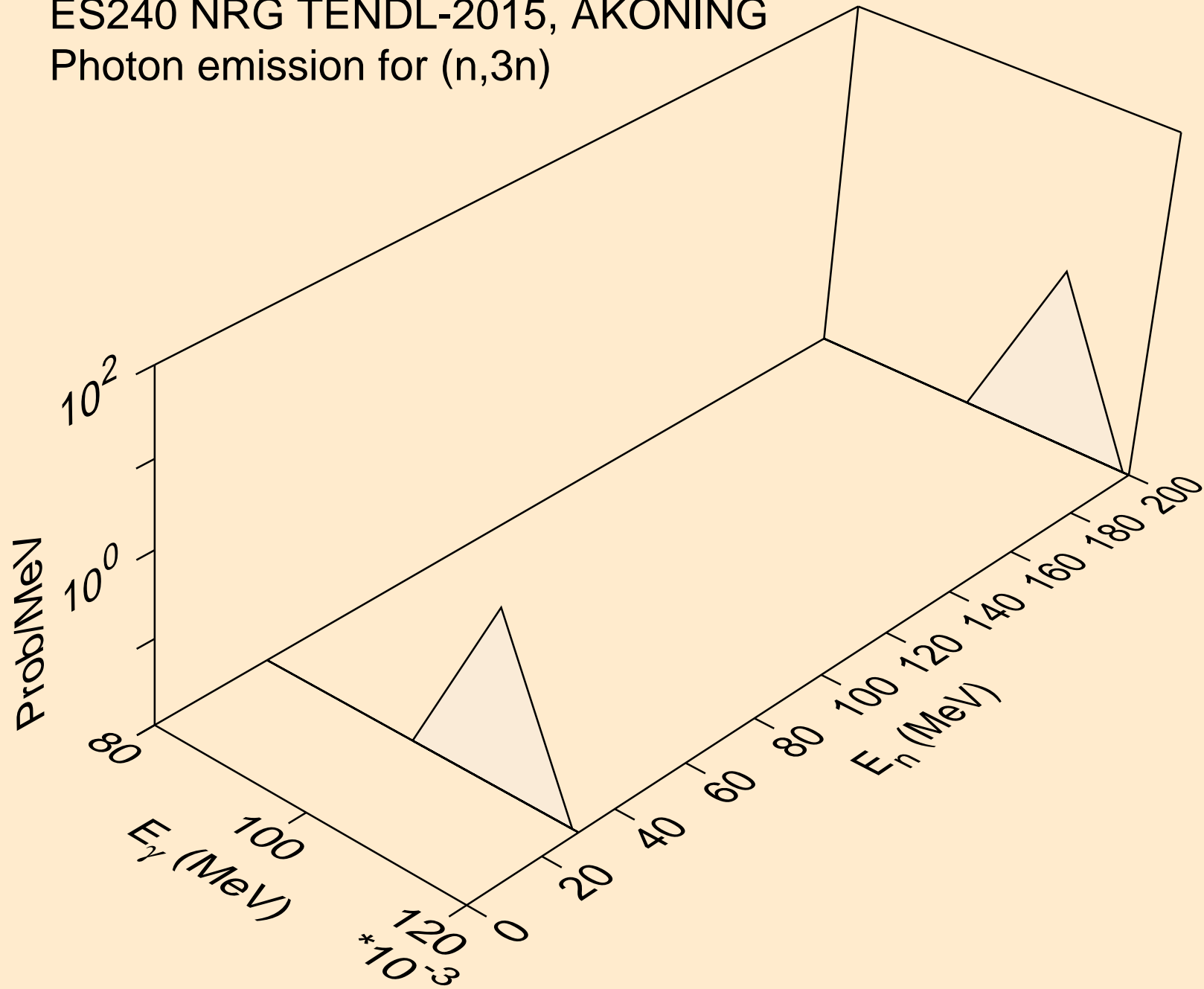
ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



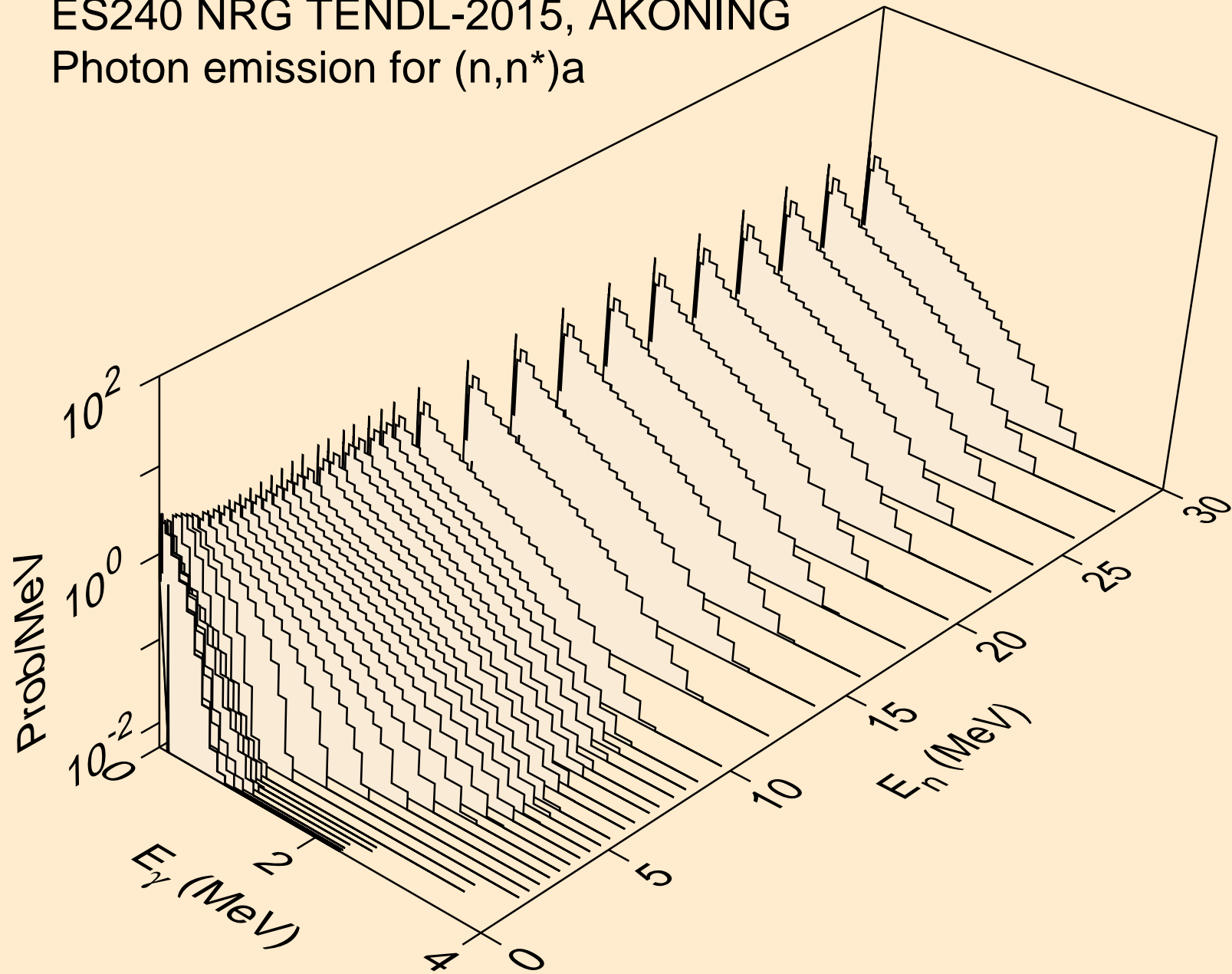
ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



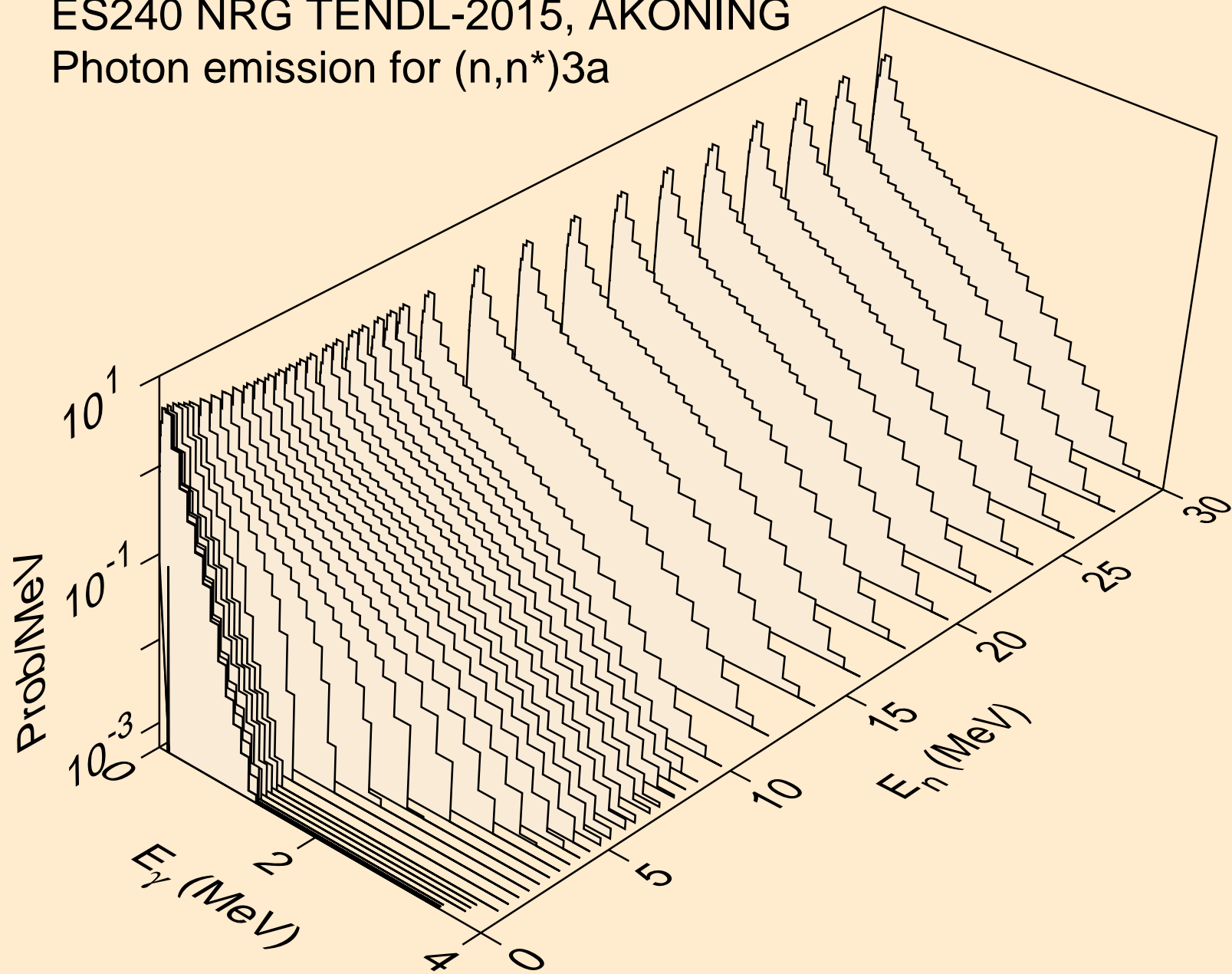
ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



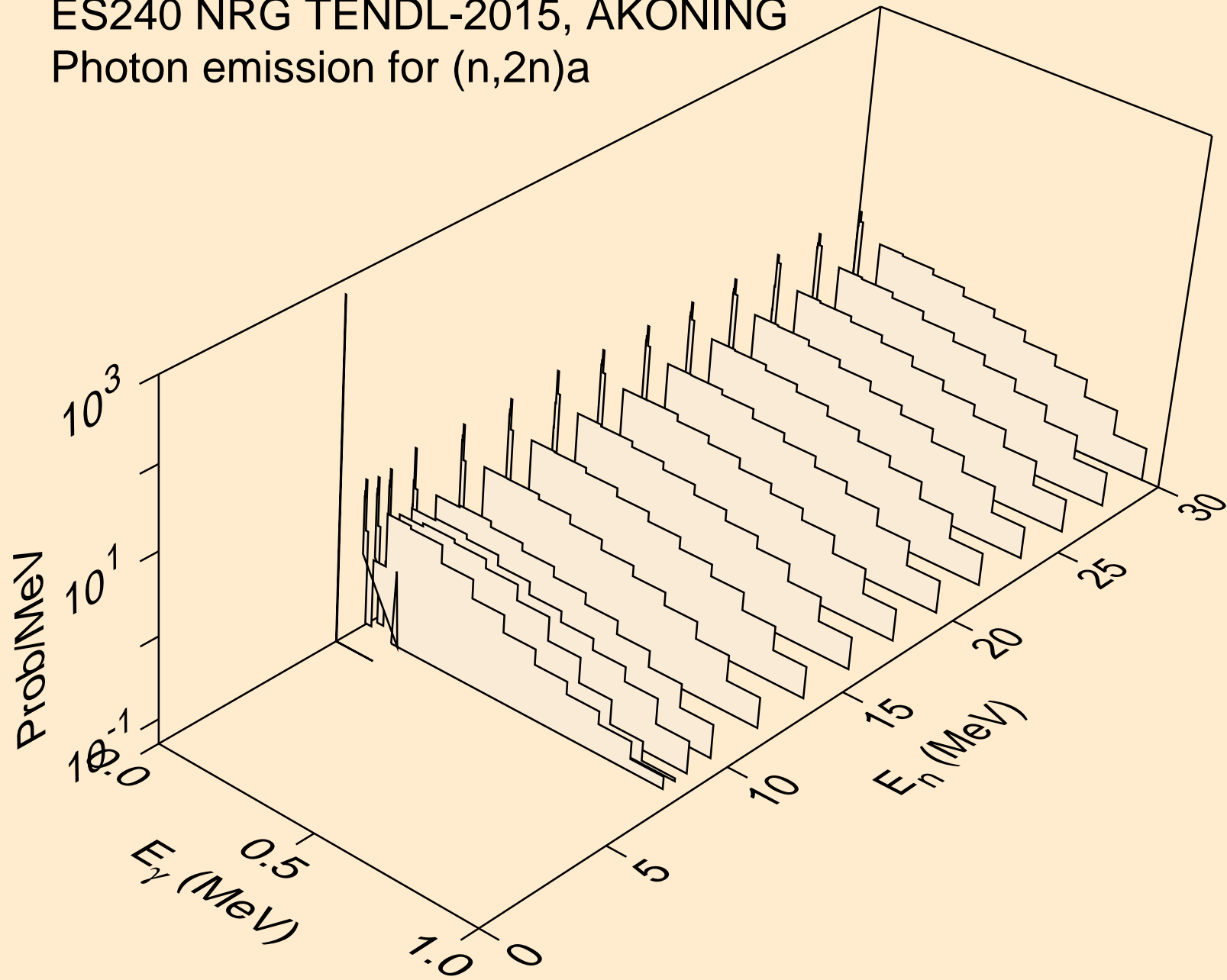
ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)3a

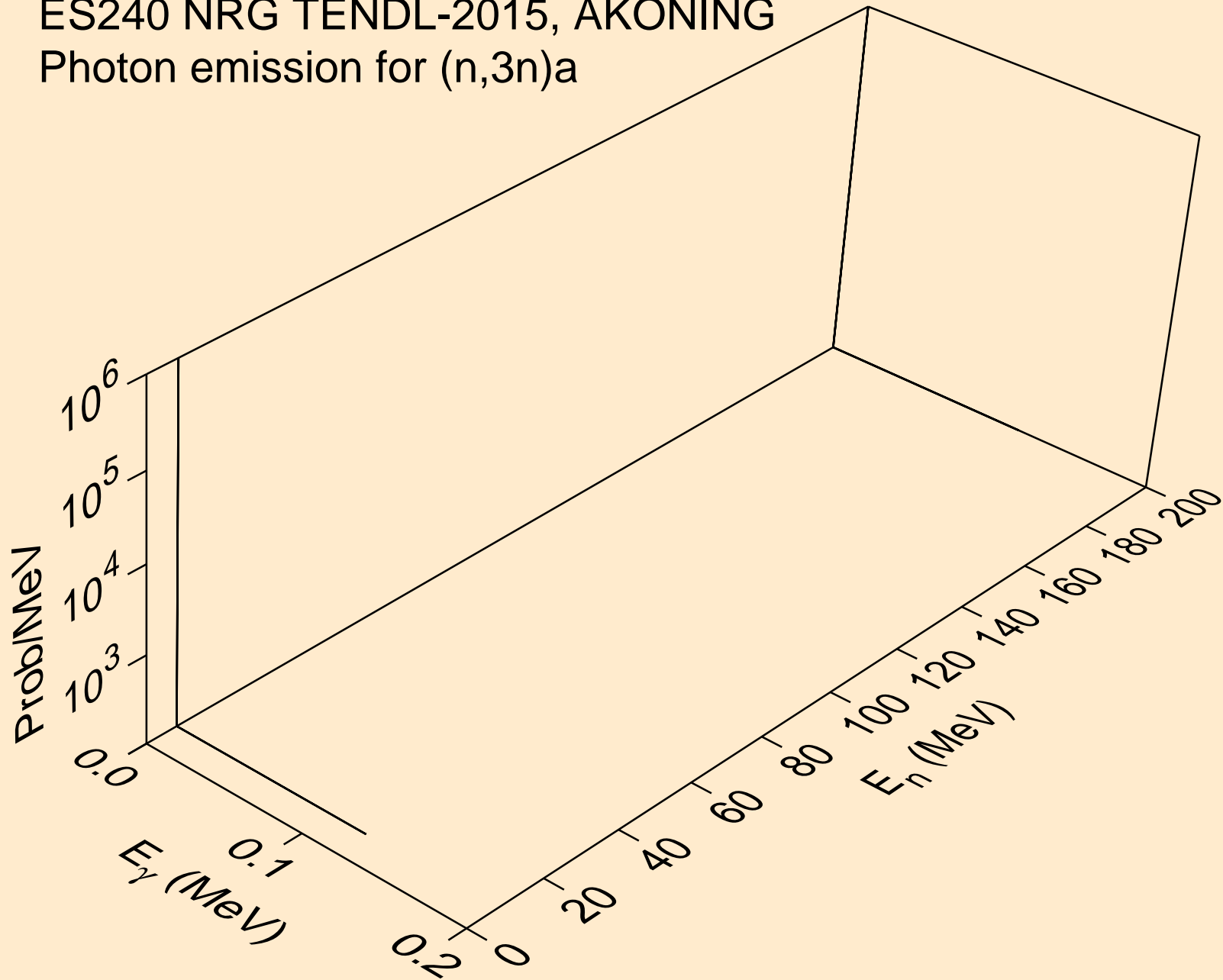


ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a

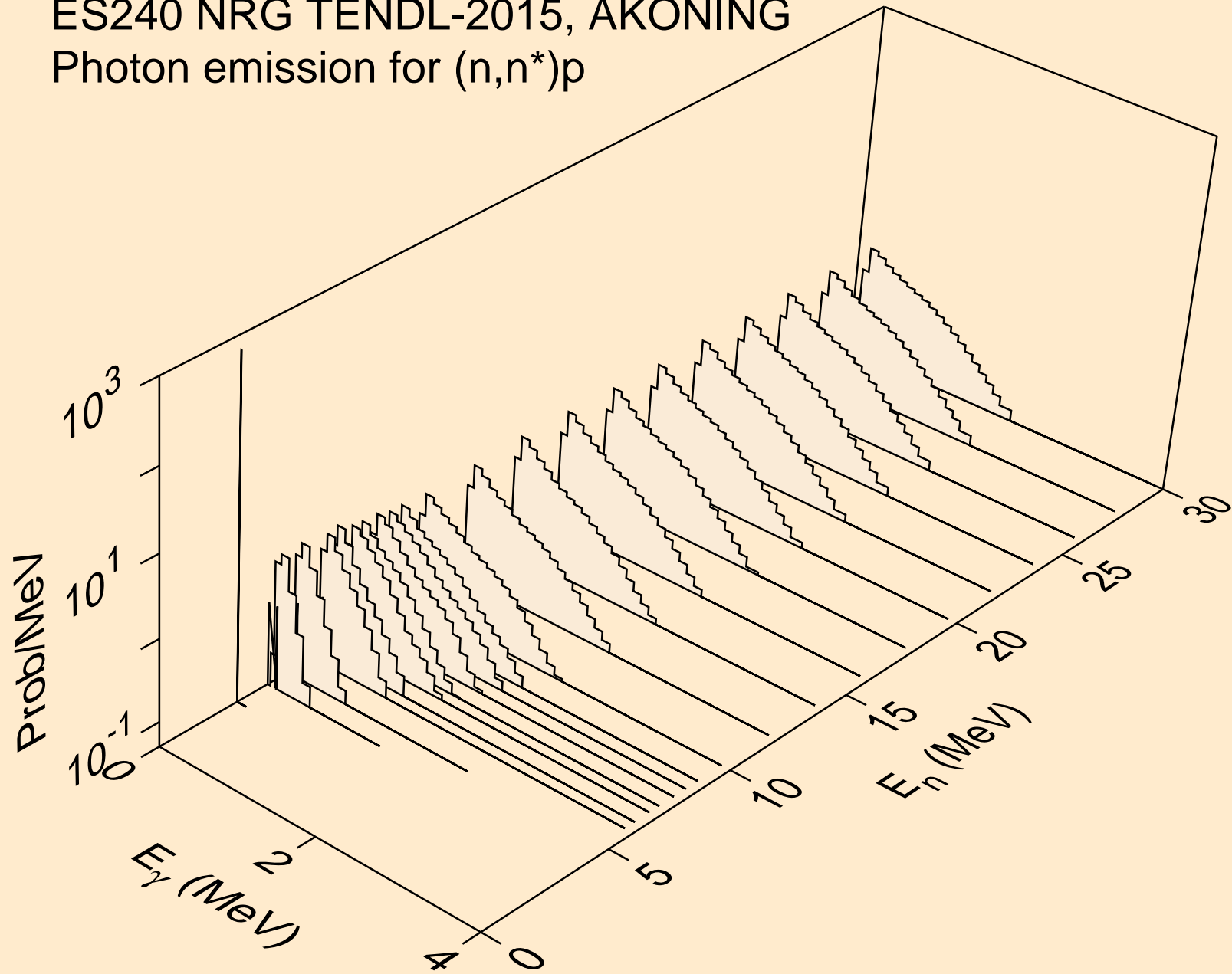




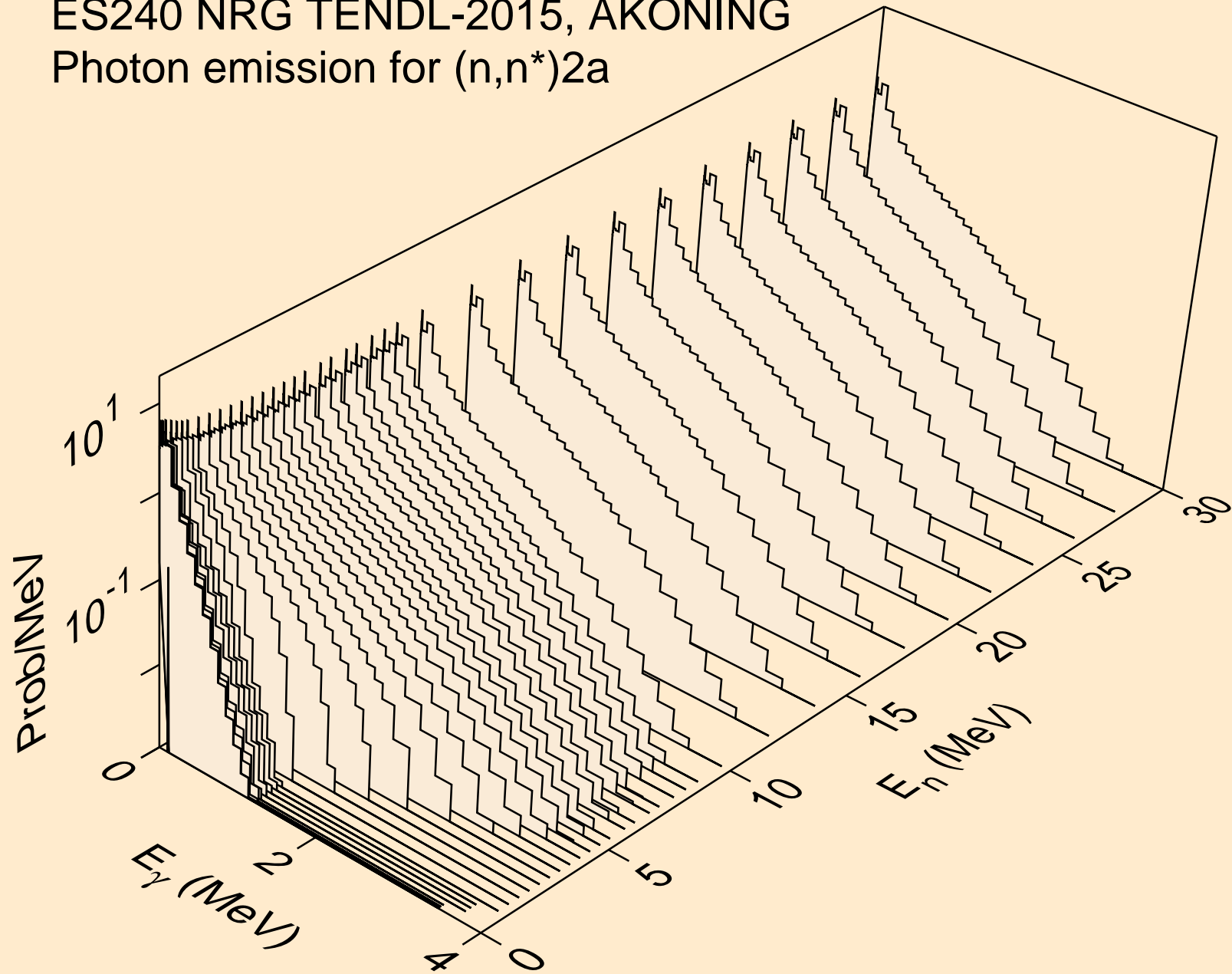
ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



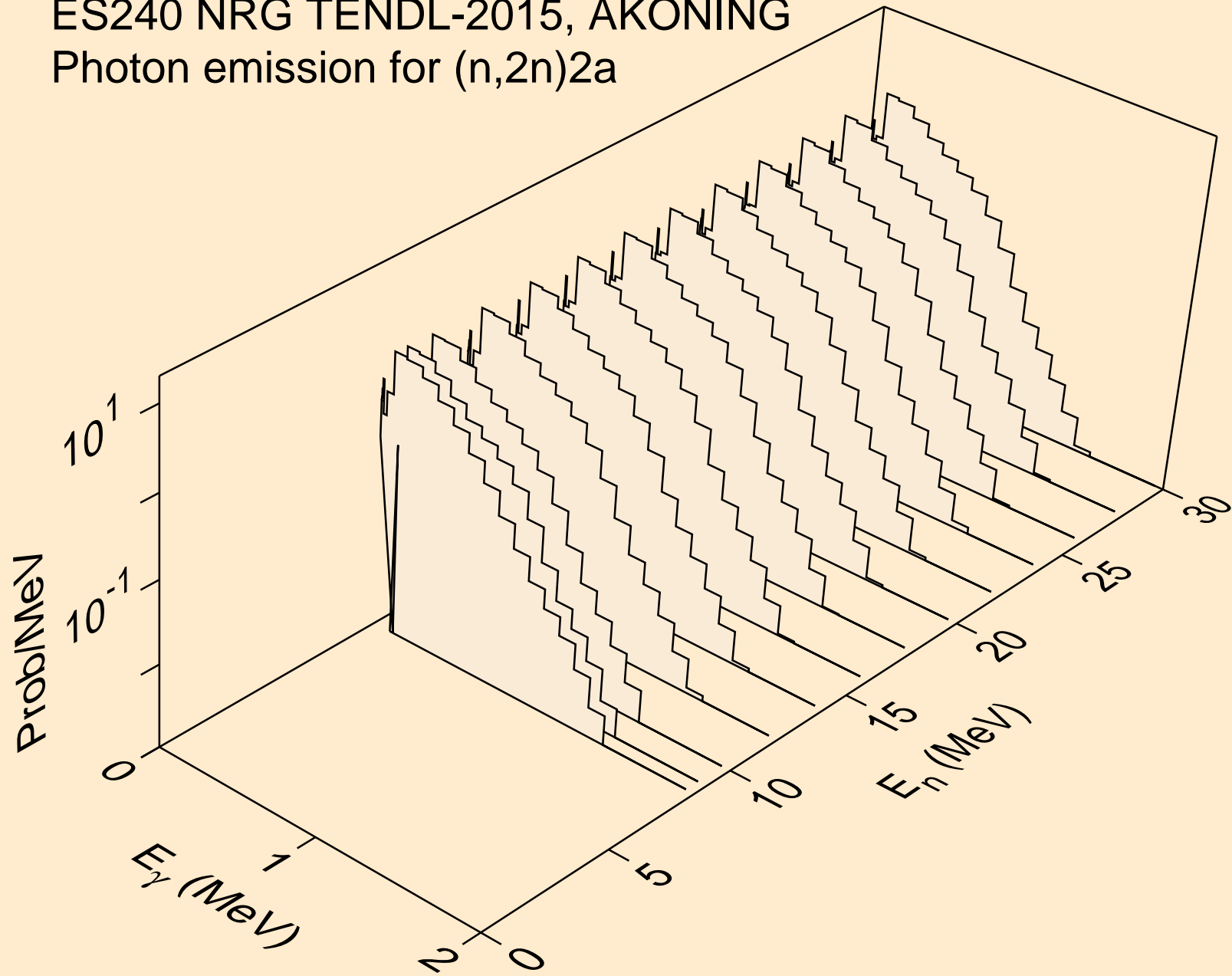
ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



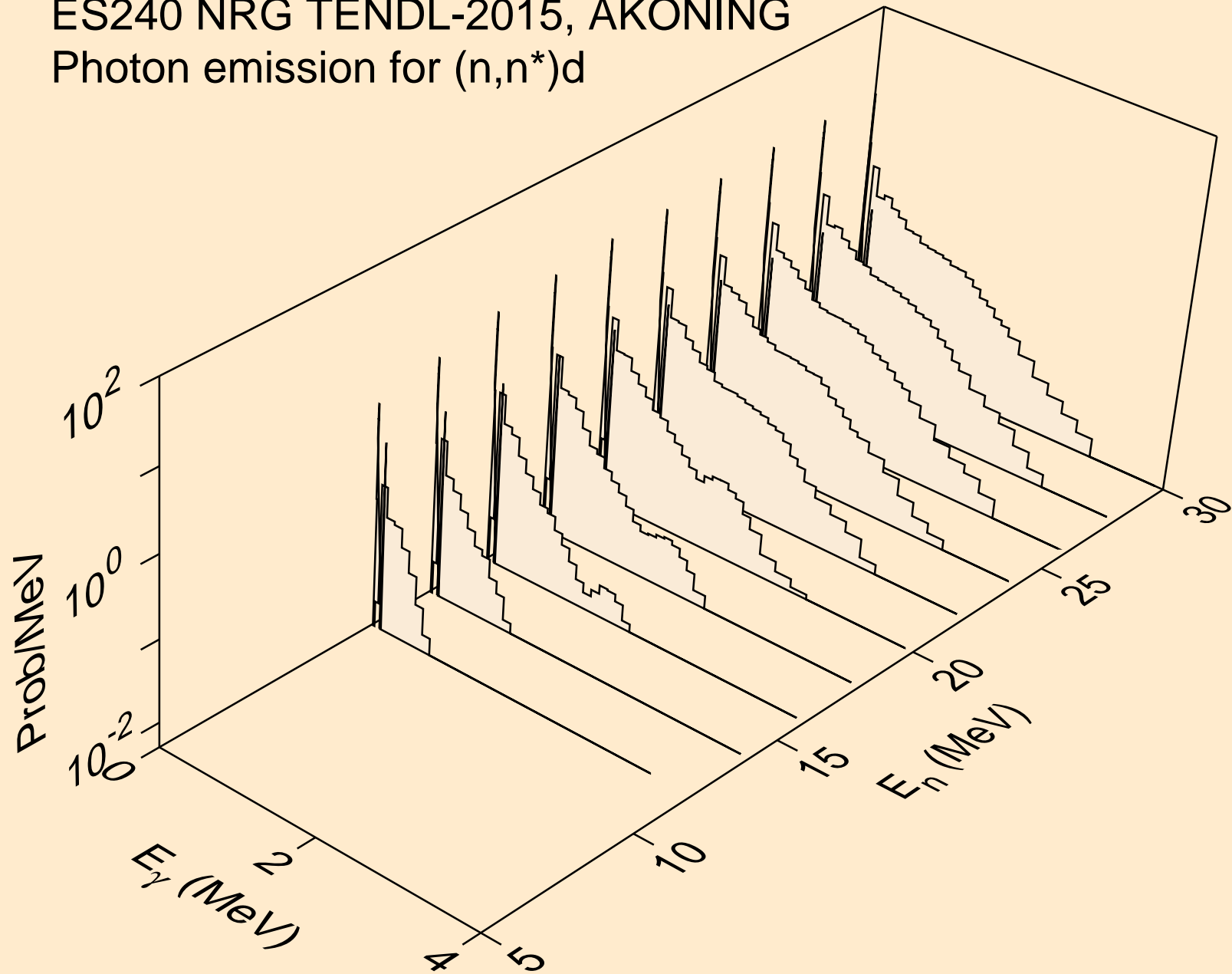
ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



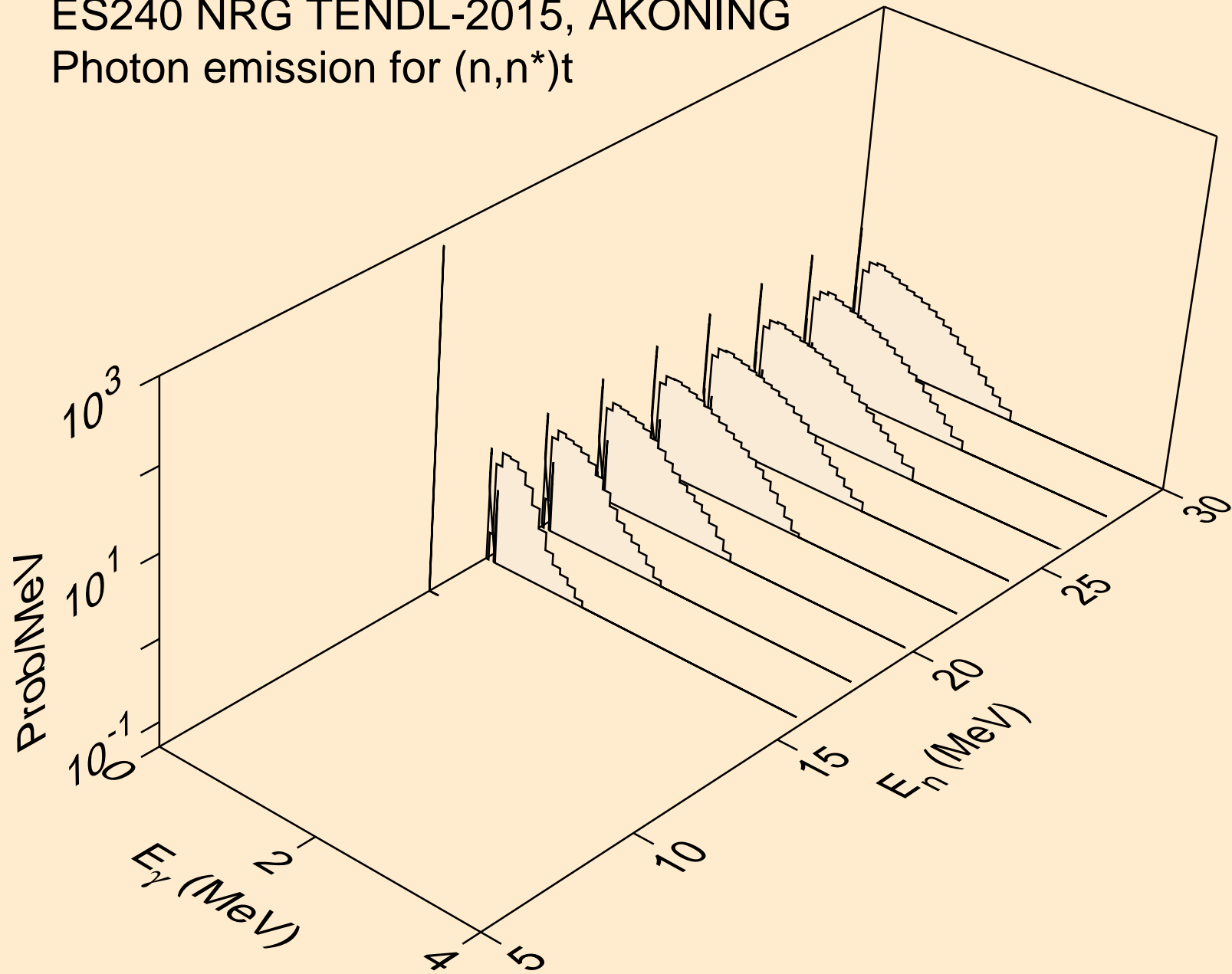
ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a



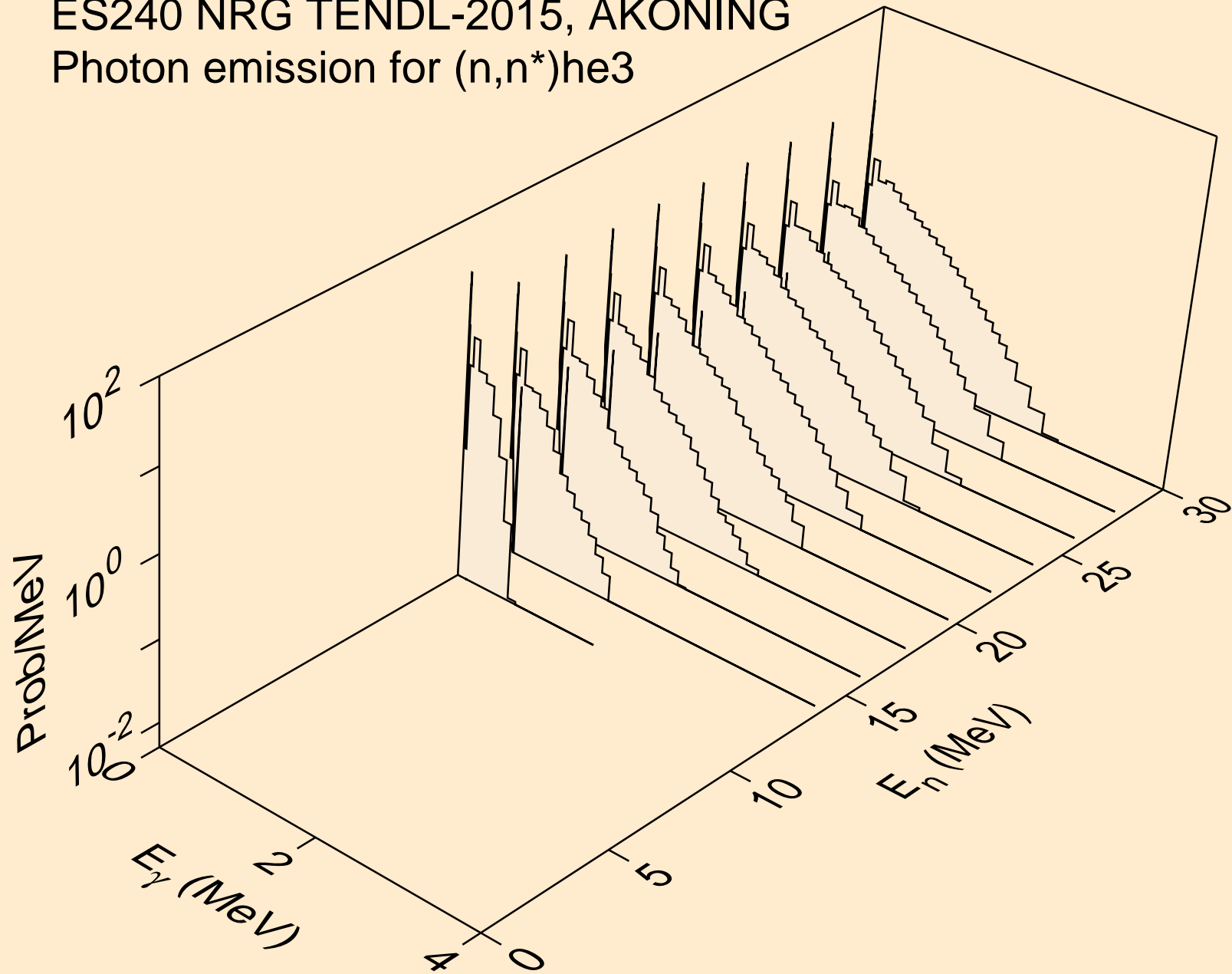
ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d



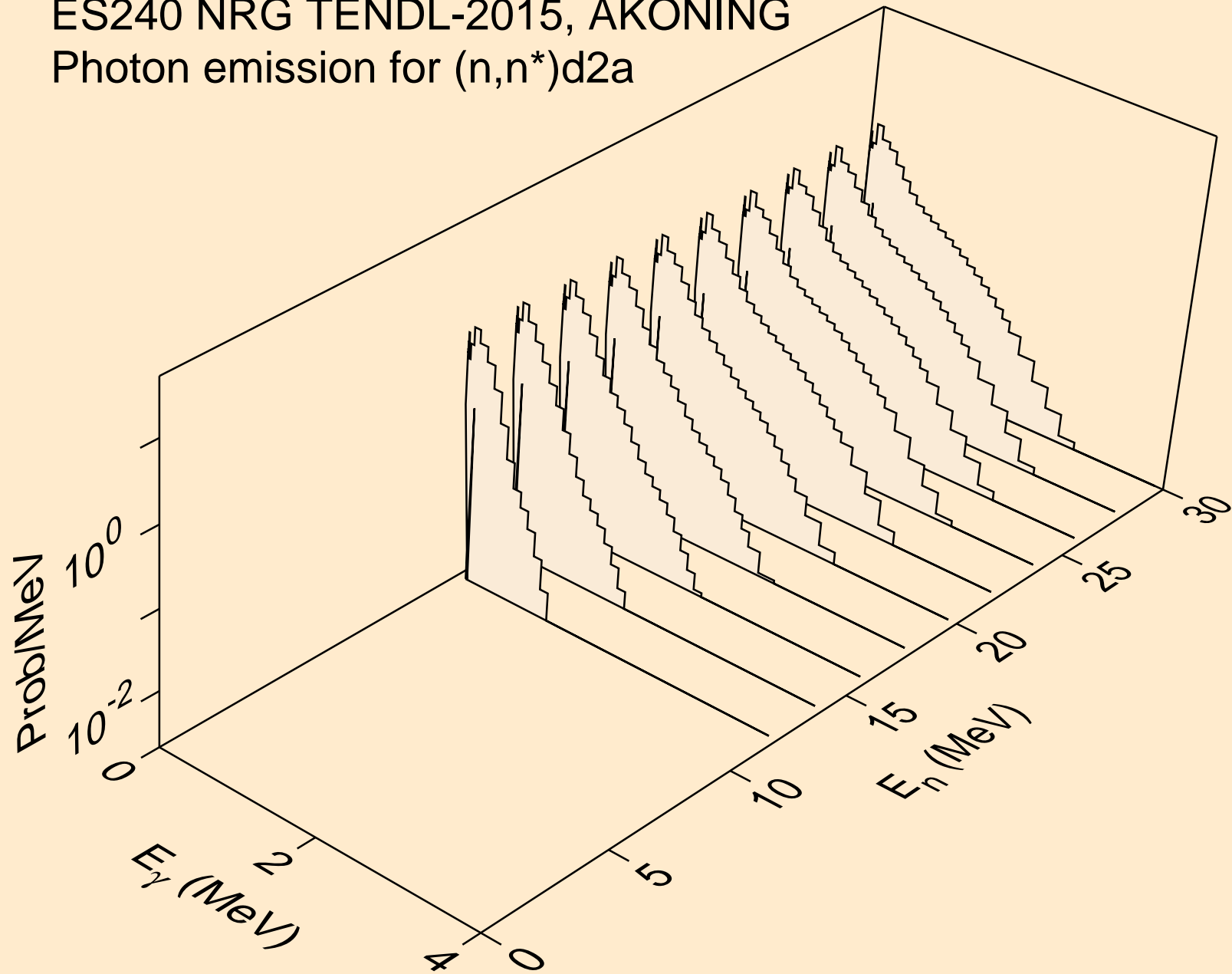
ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3

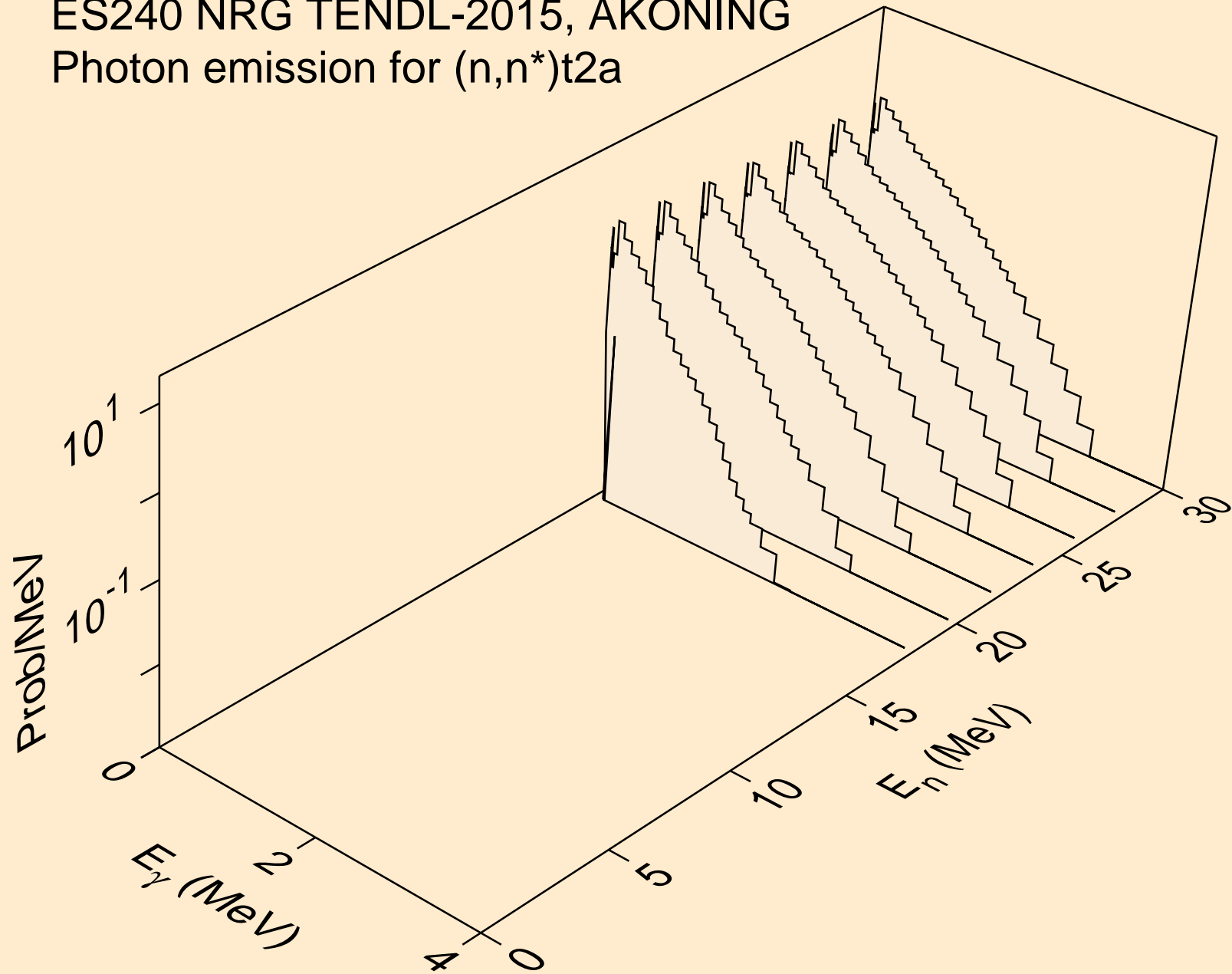


ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d2a

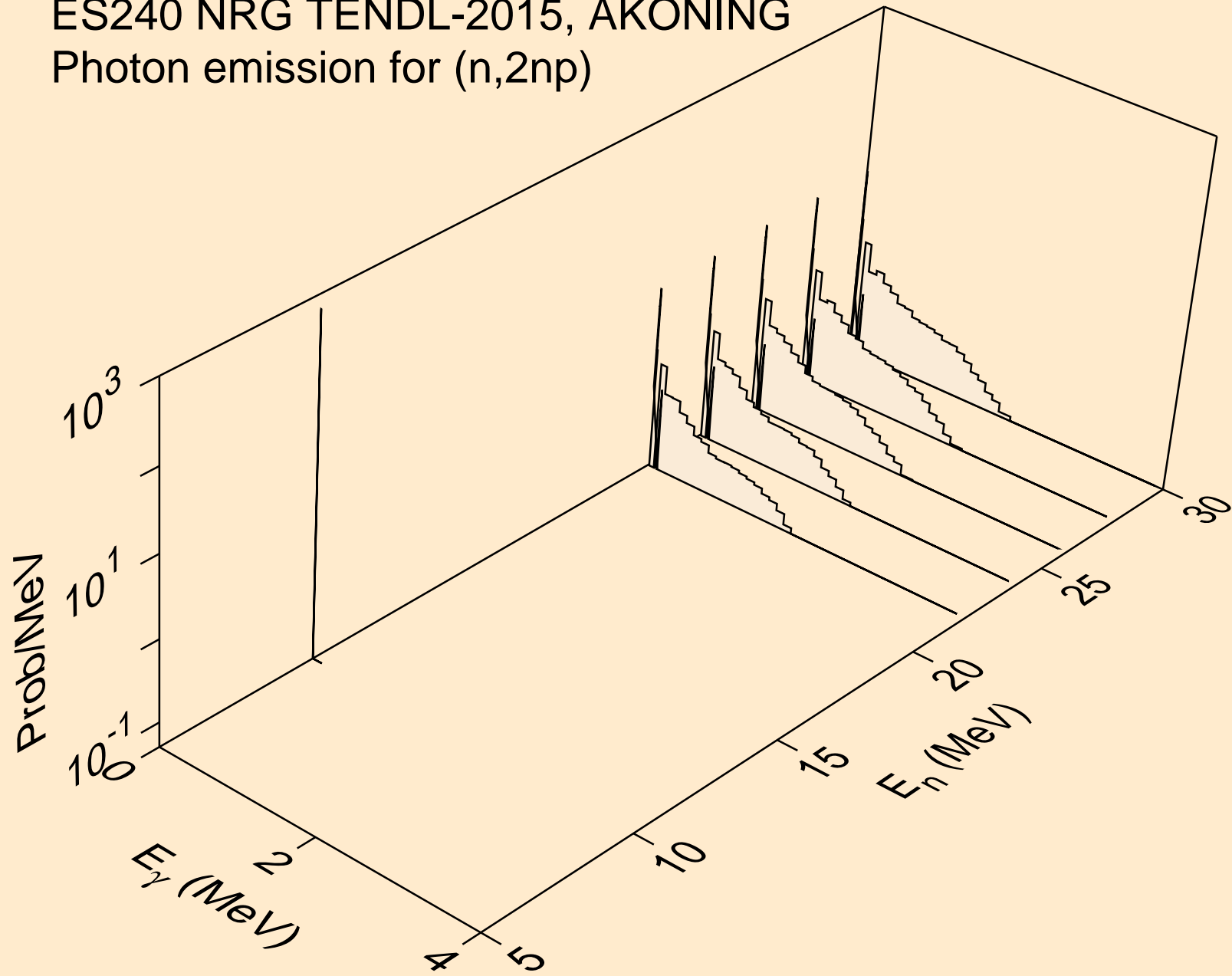




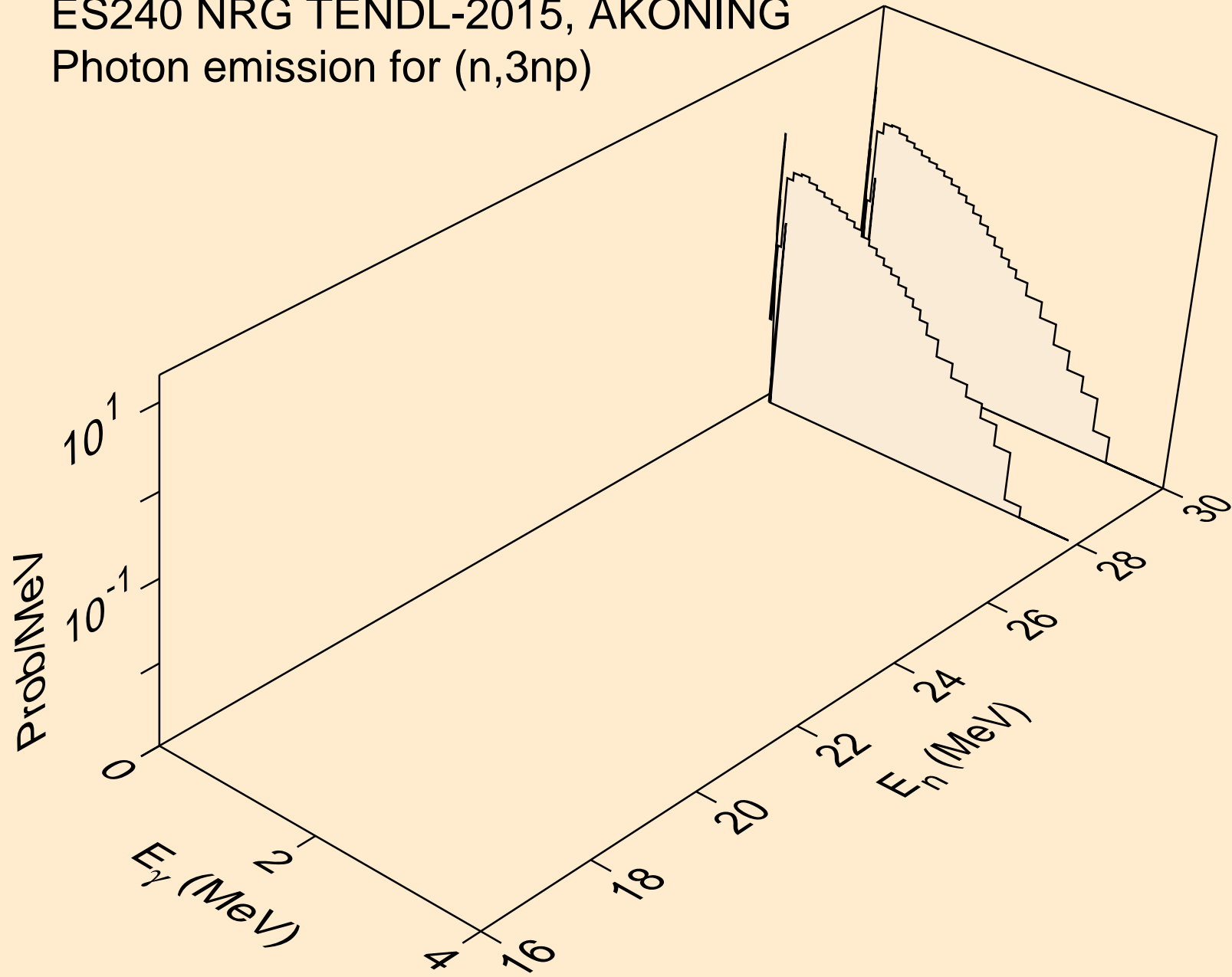
ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t2a



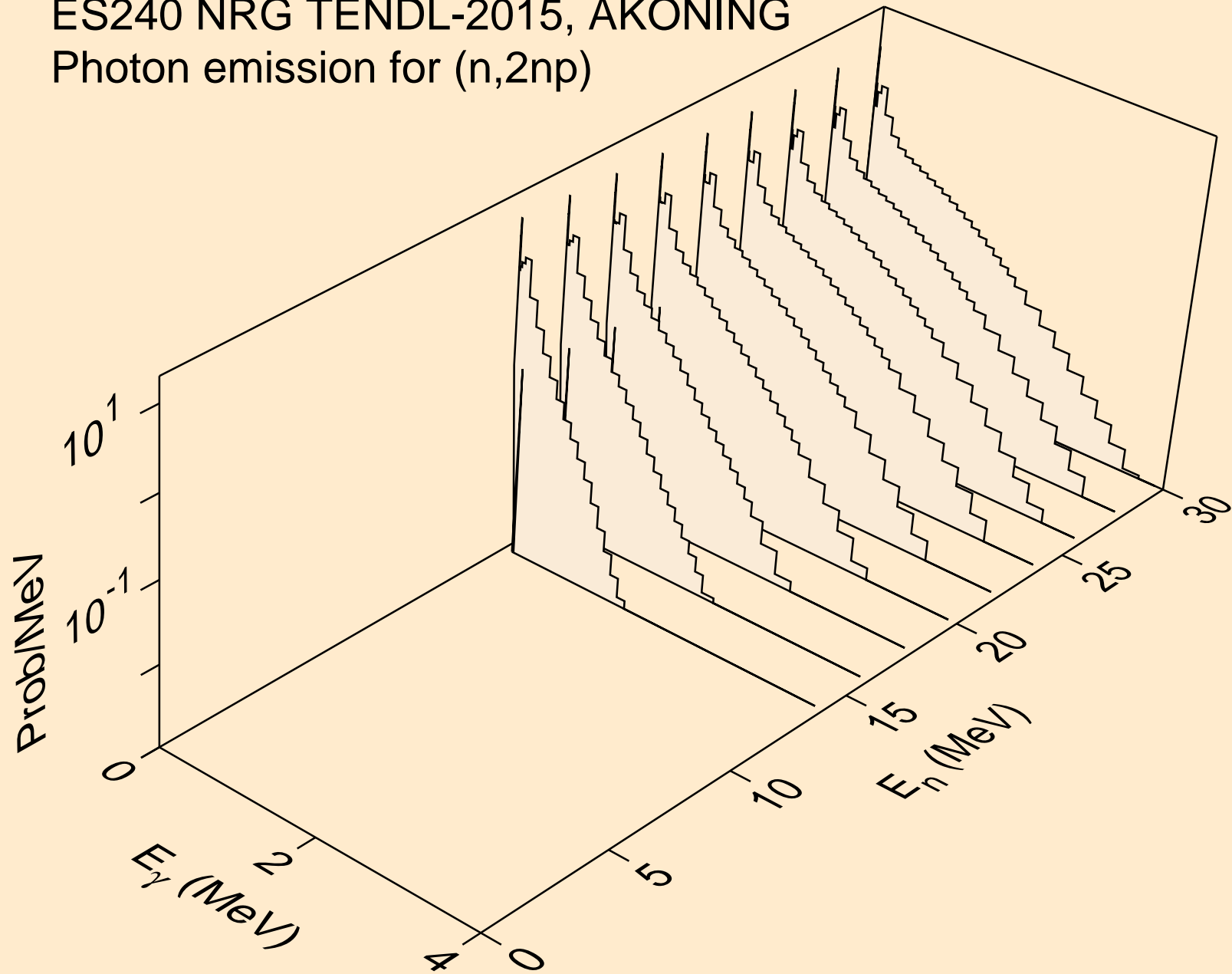
ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



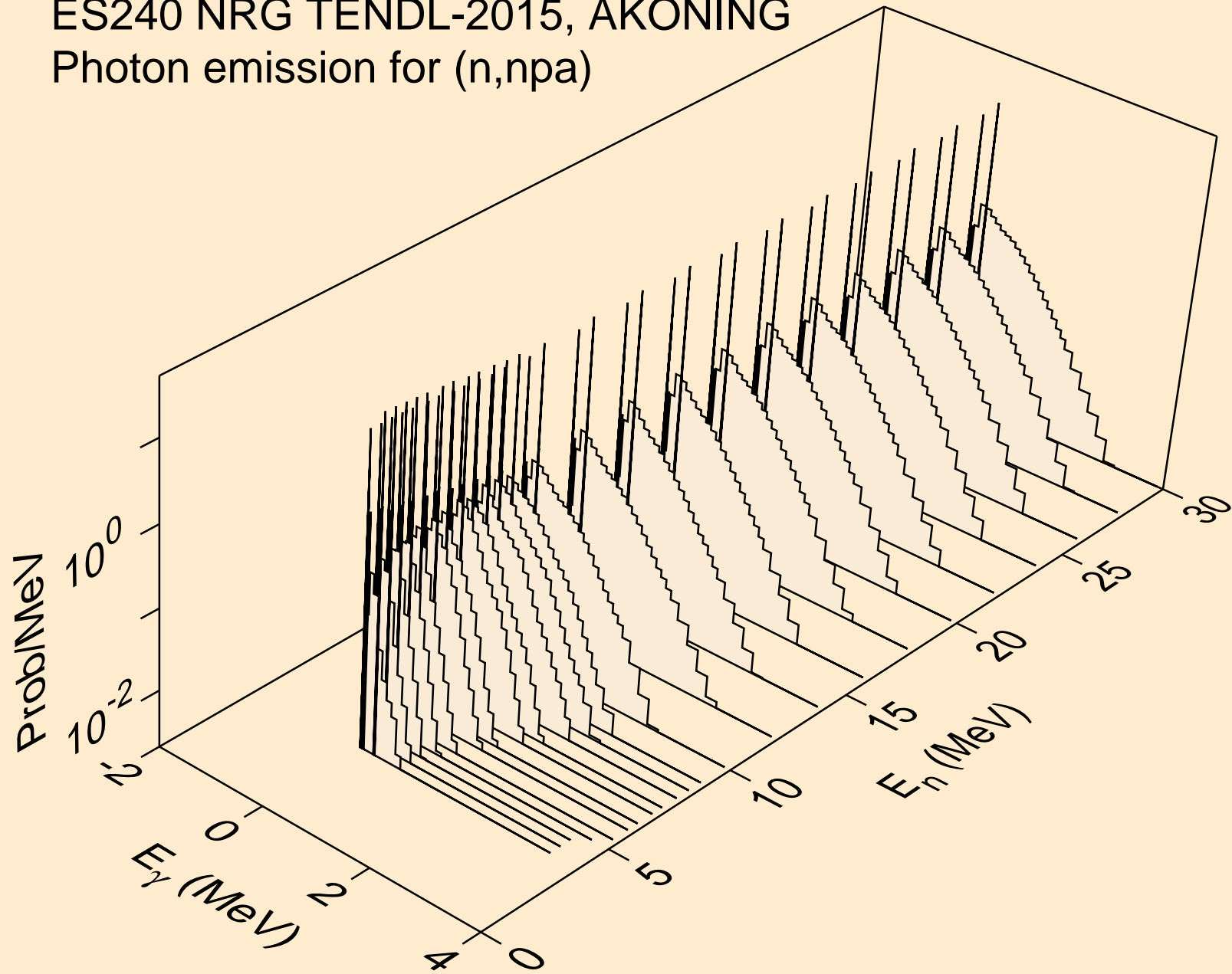
ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



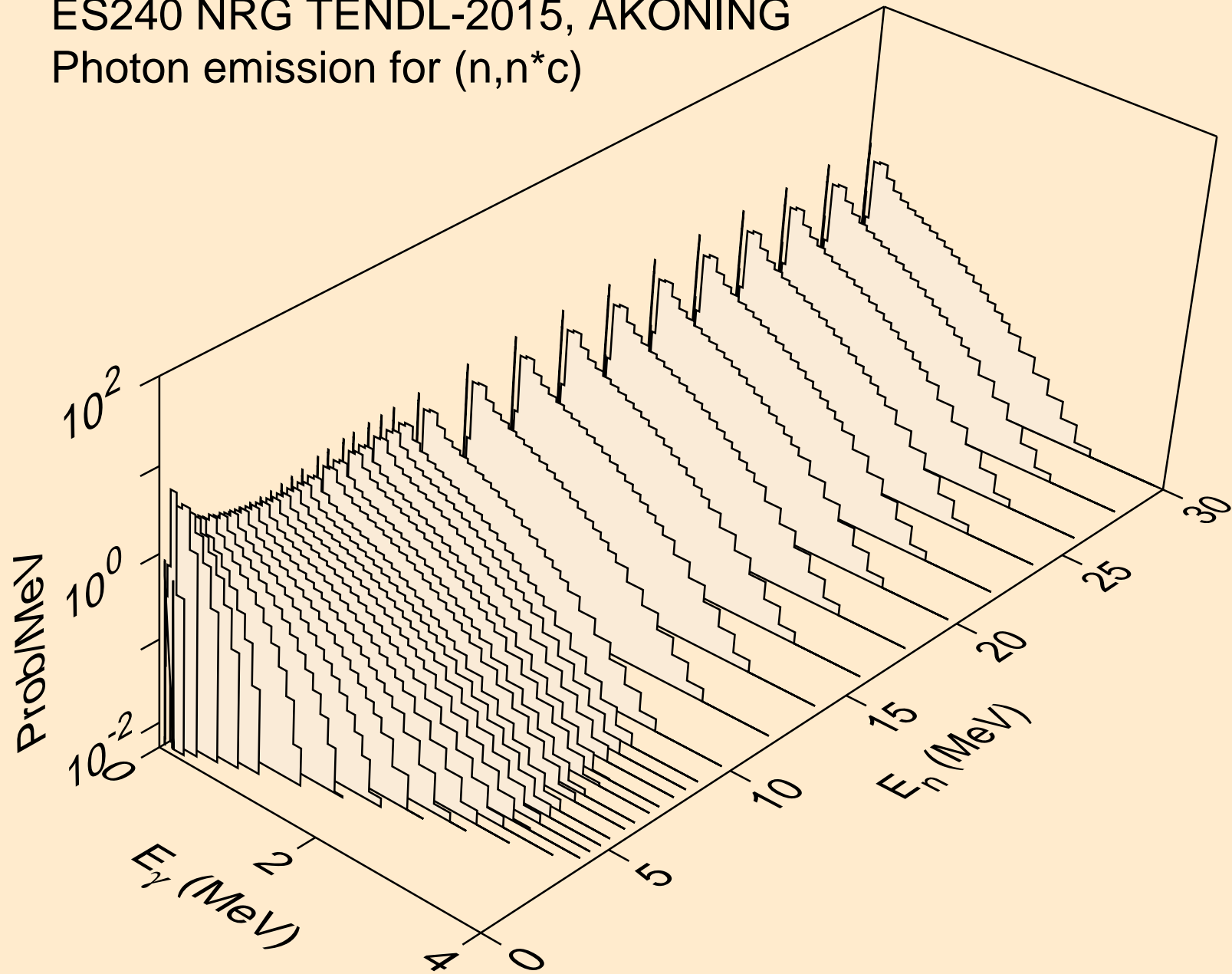
ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



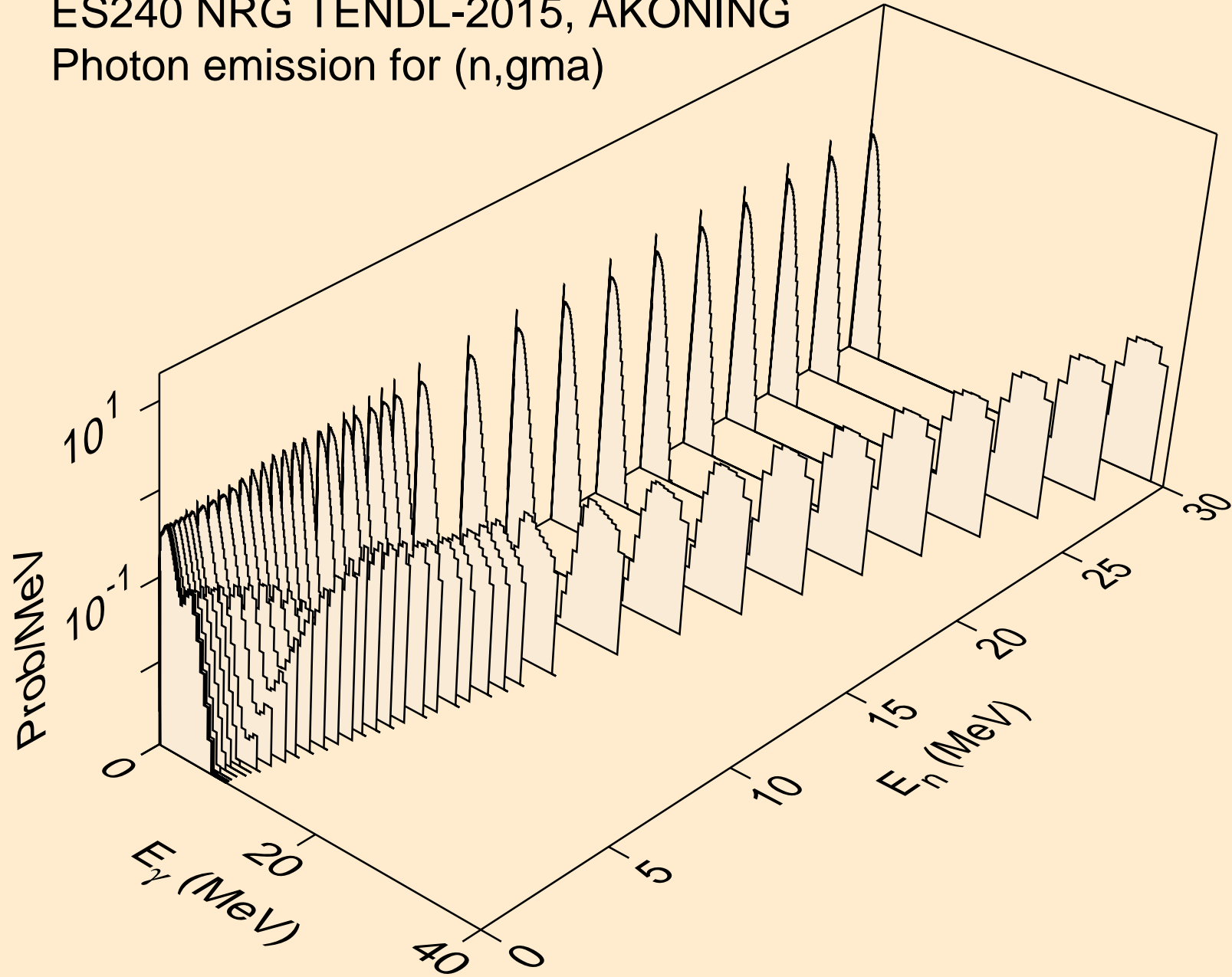
ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



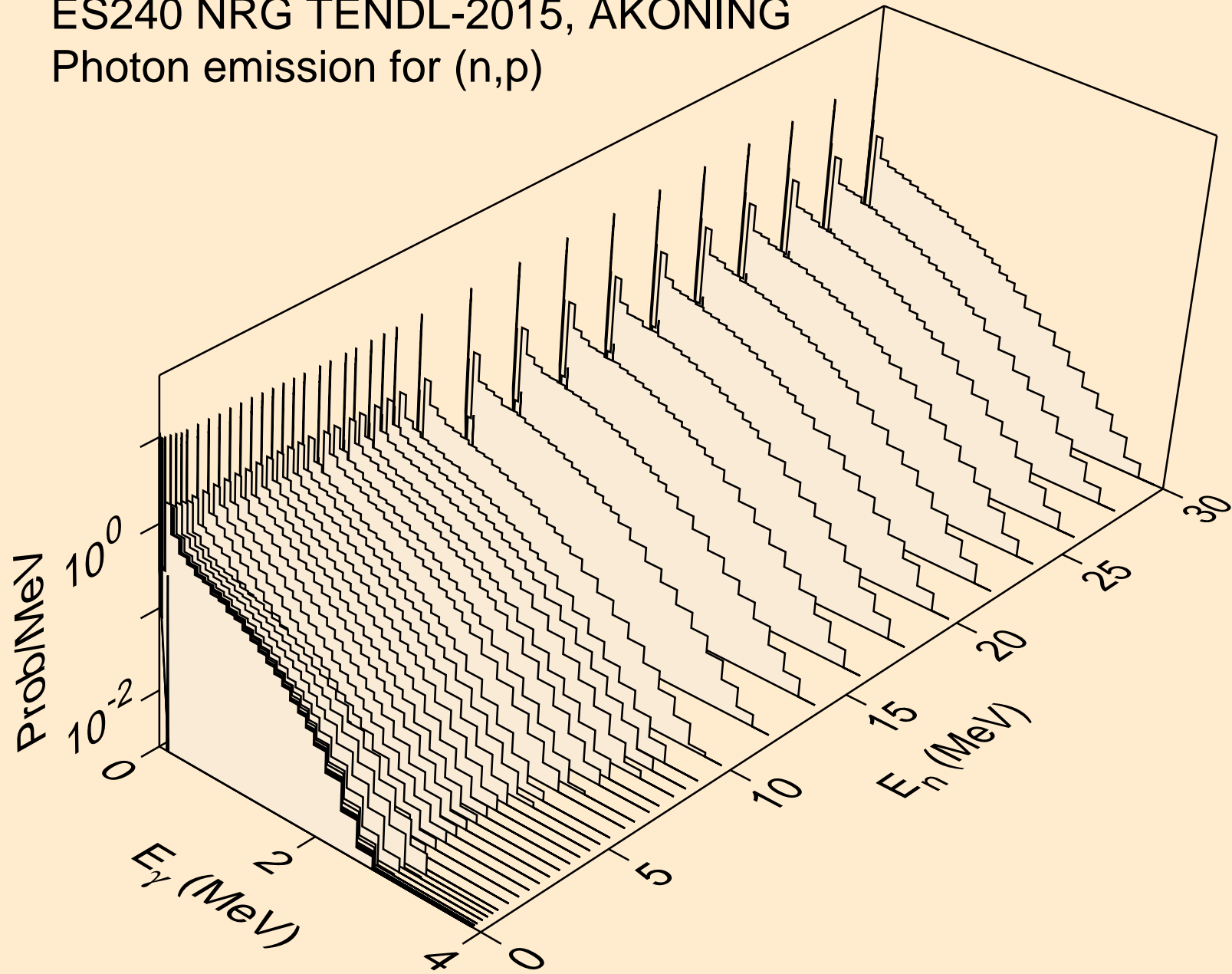
ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)

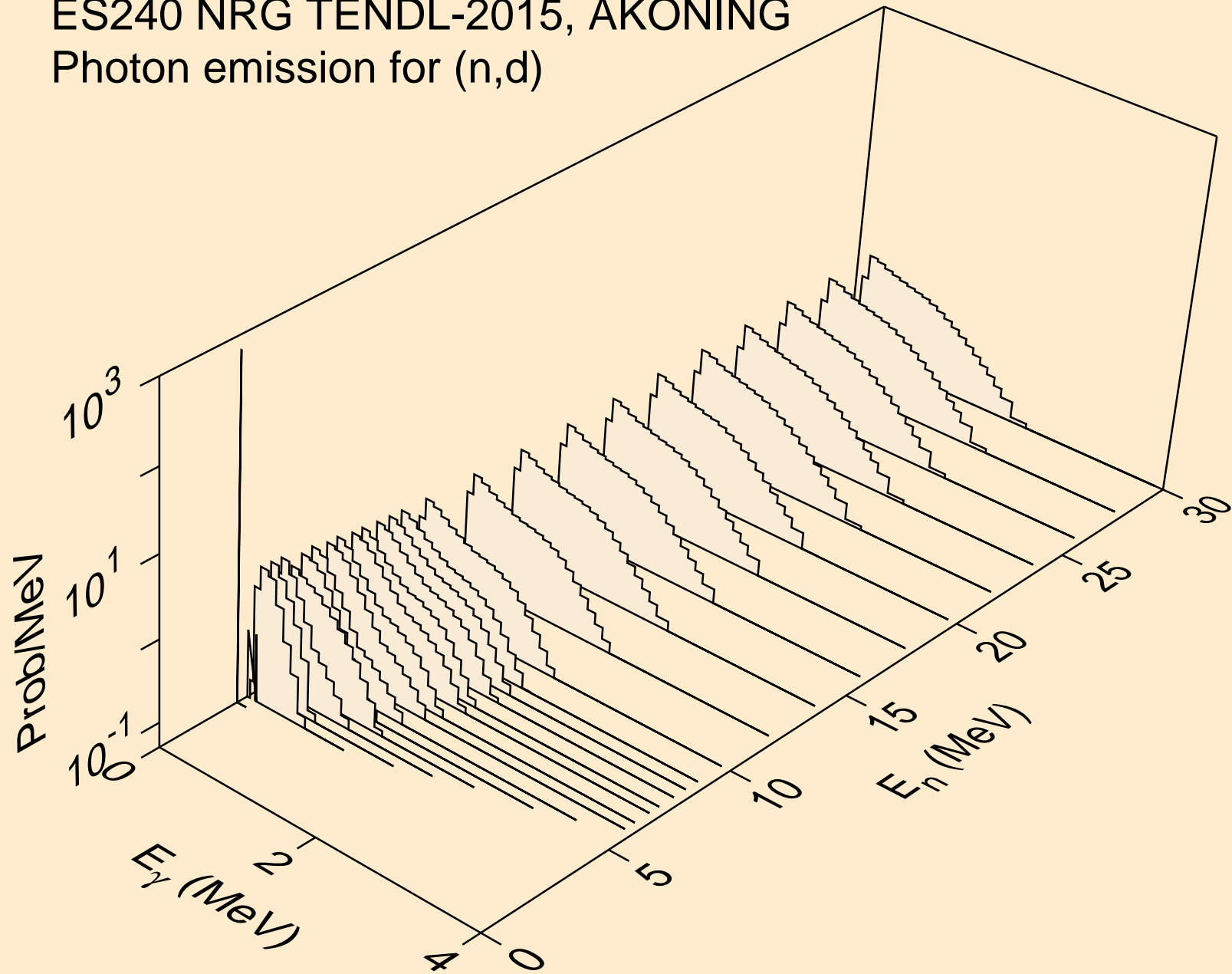


ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,p)

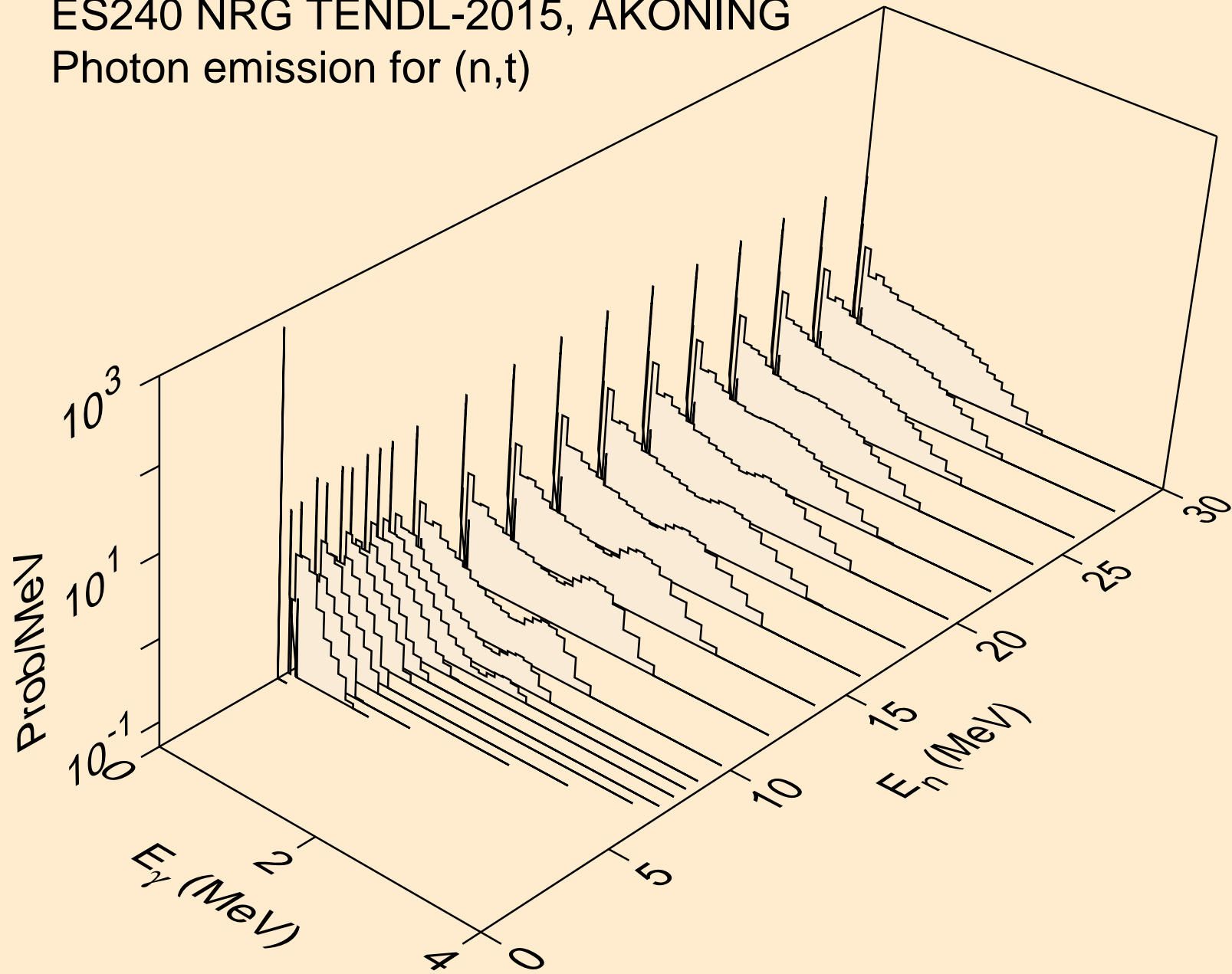




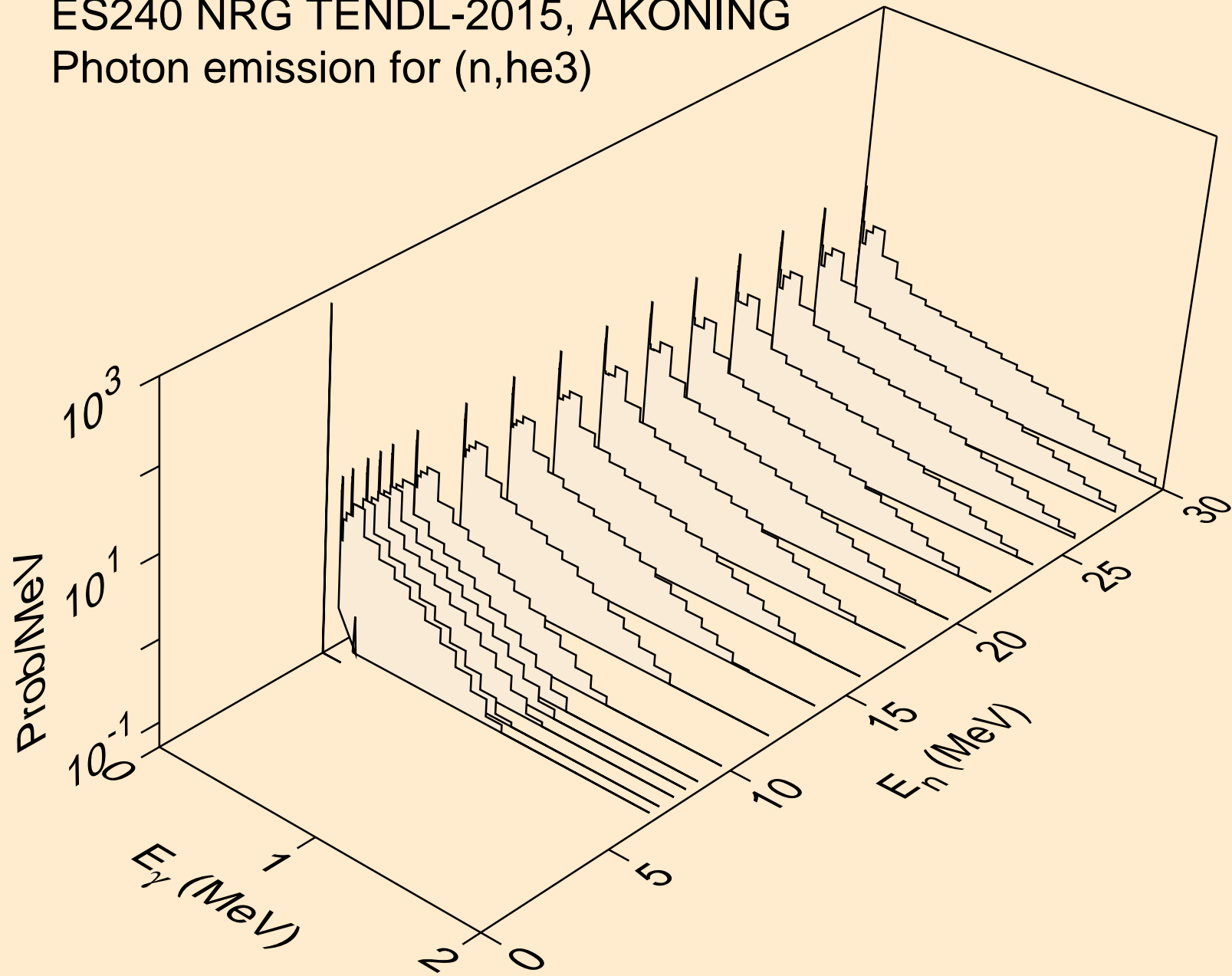
ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



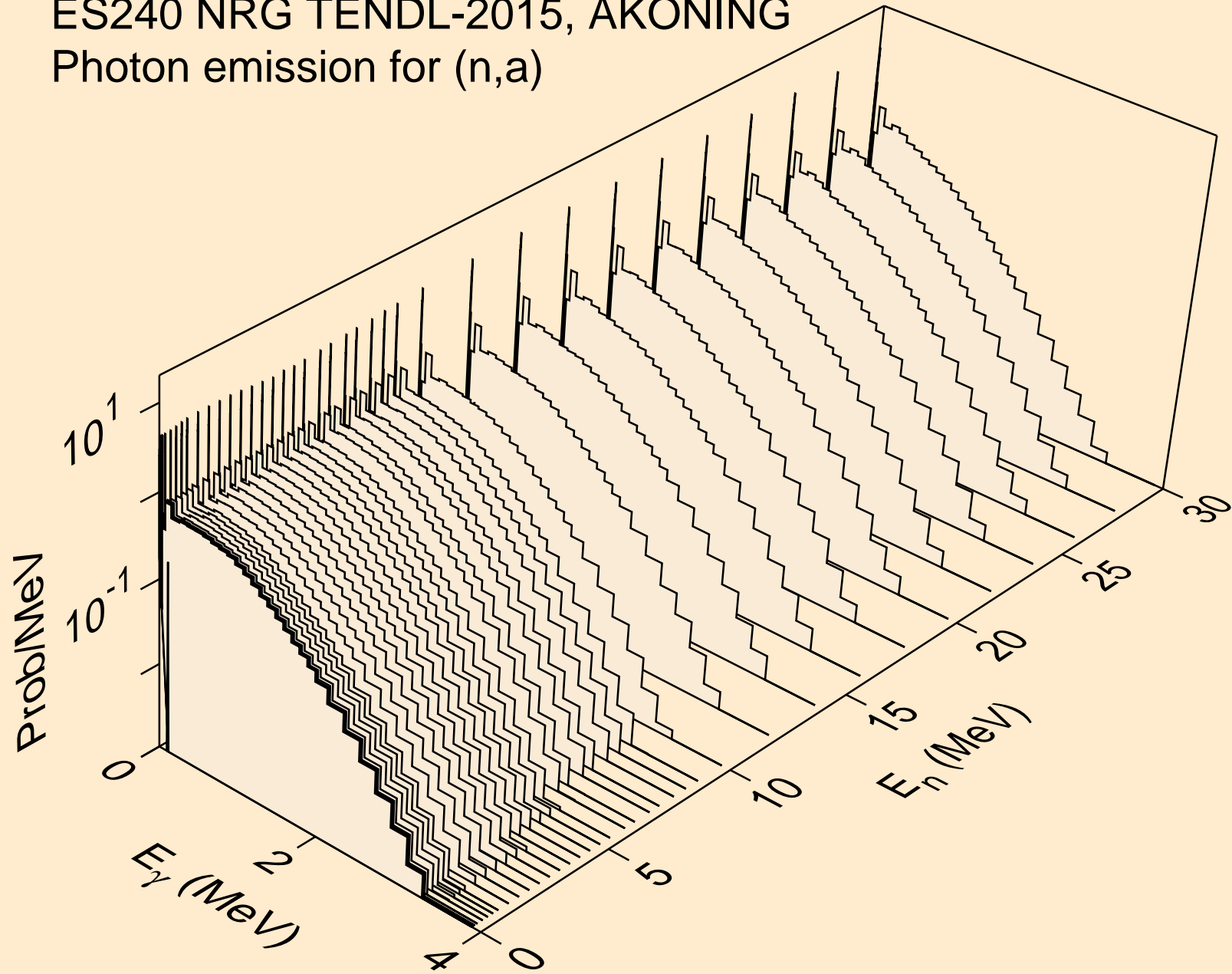
ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



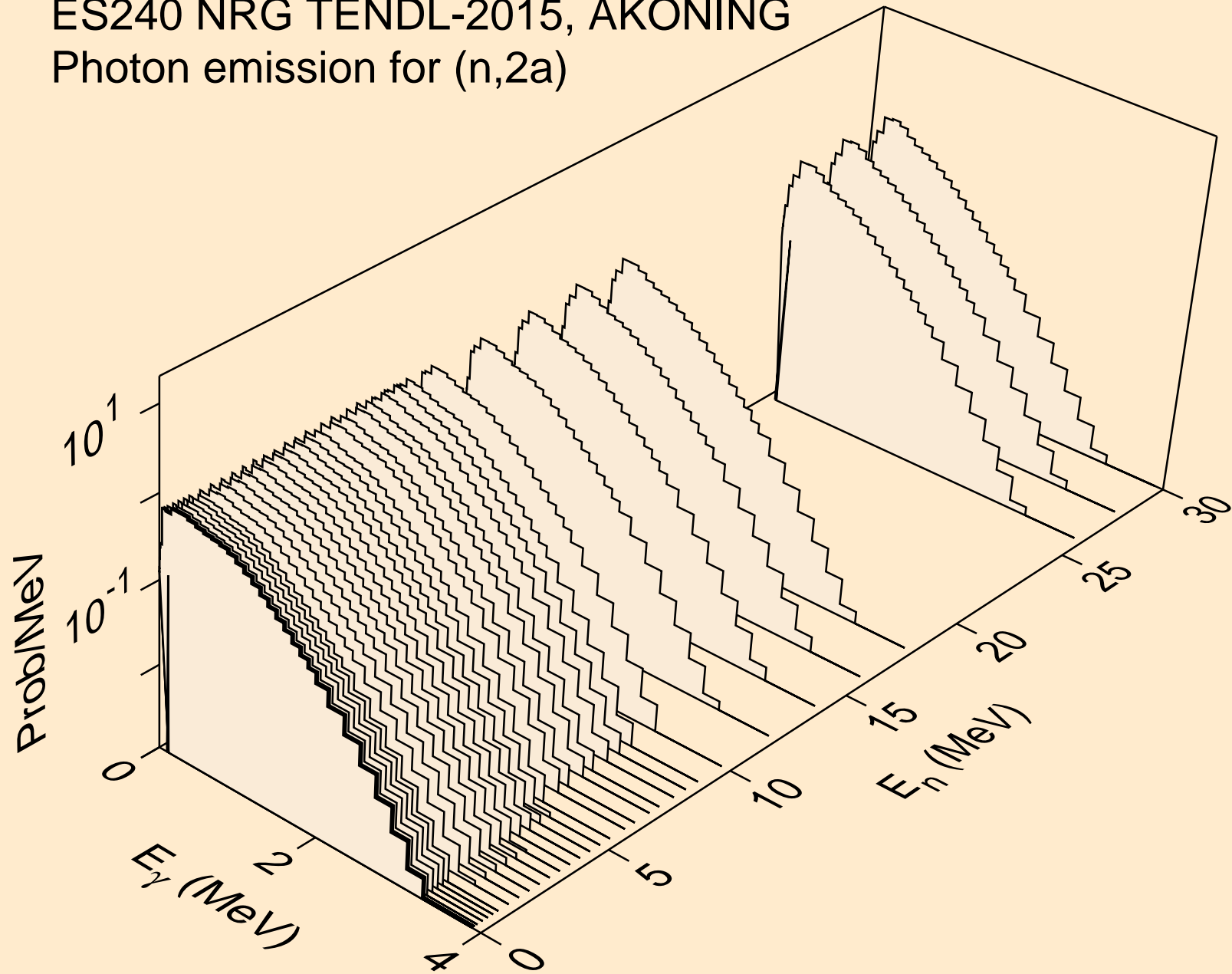
ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



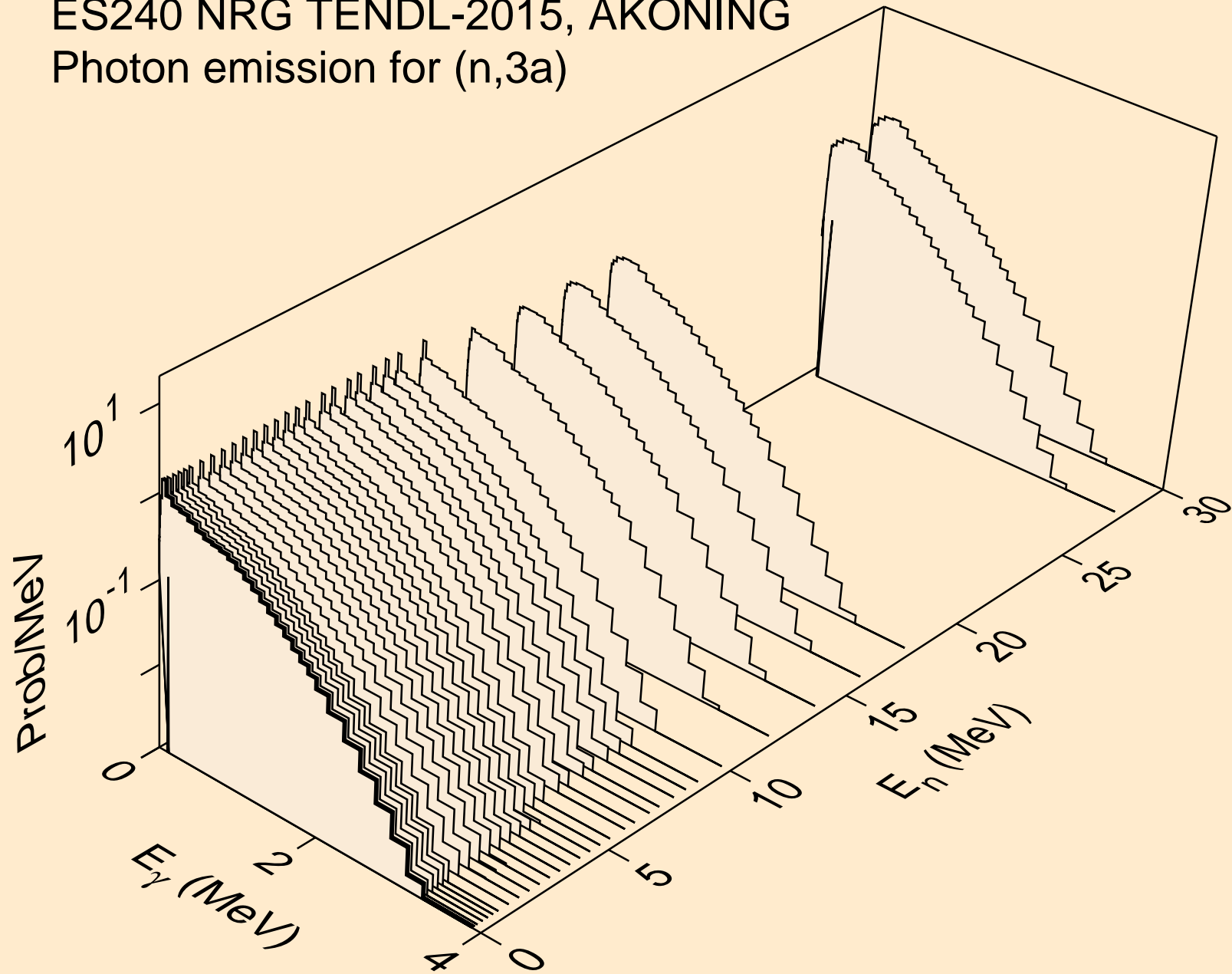
ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



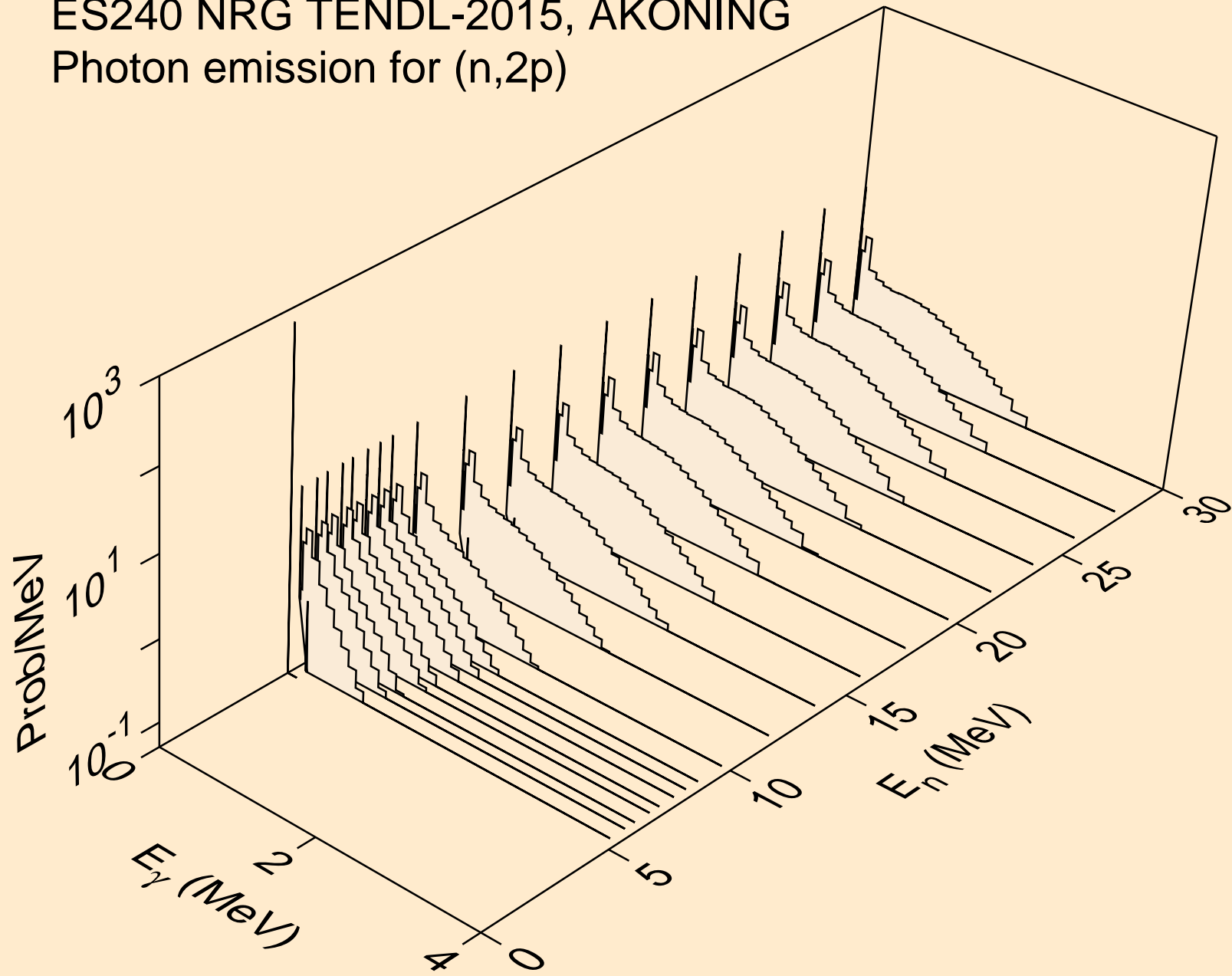
ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



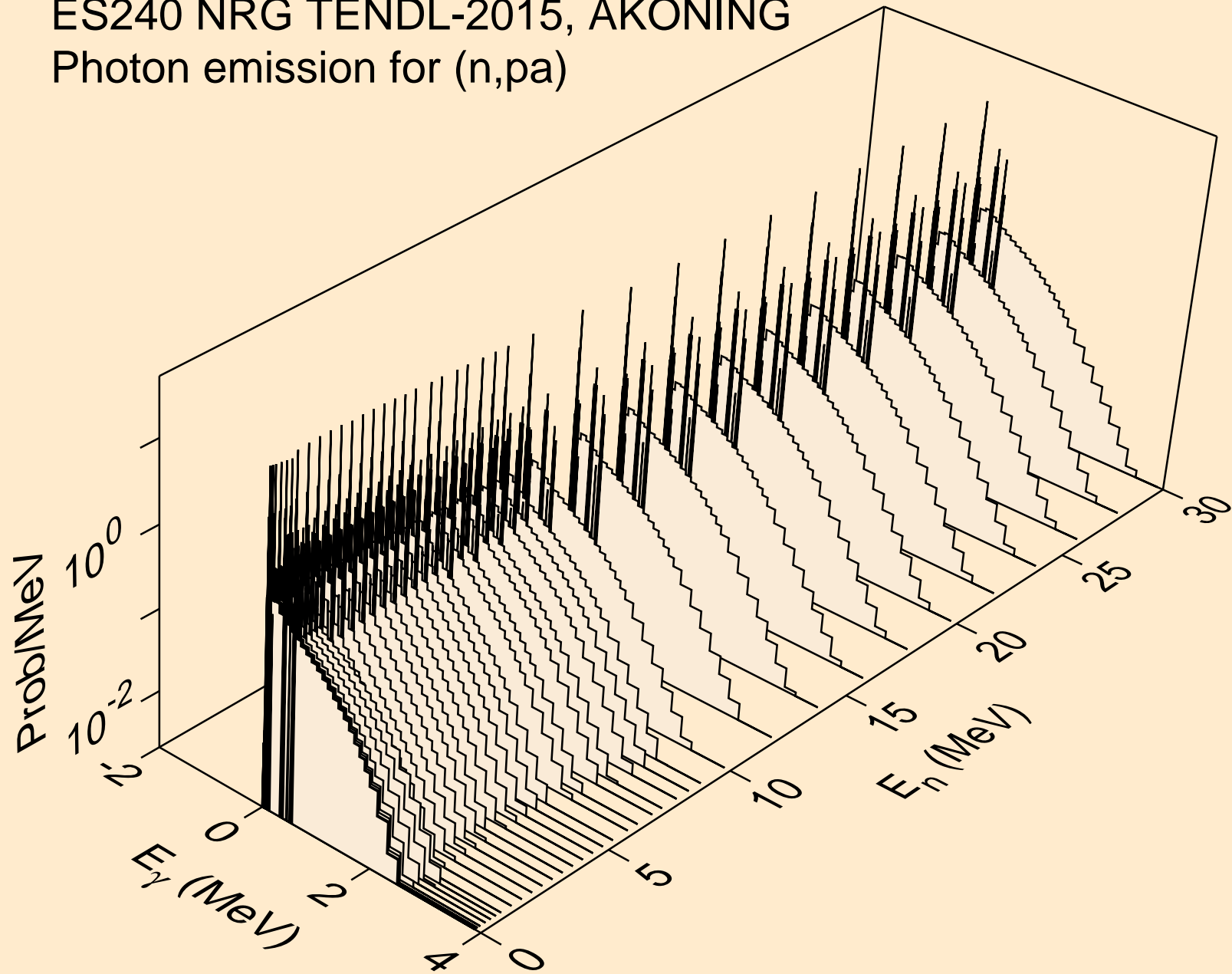
ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,3a)



ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)

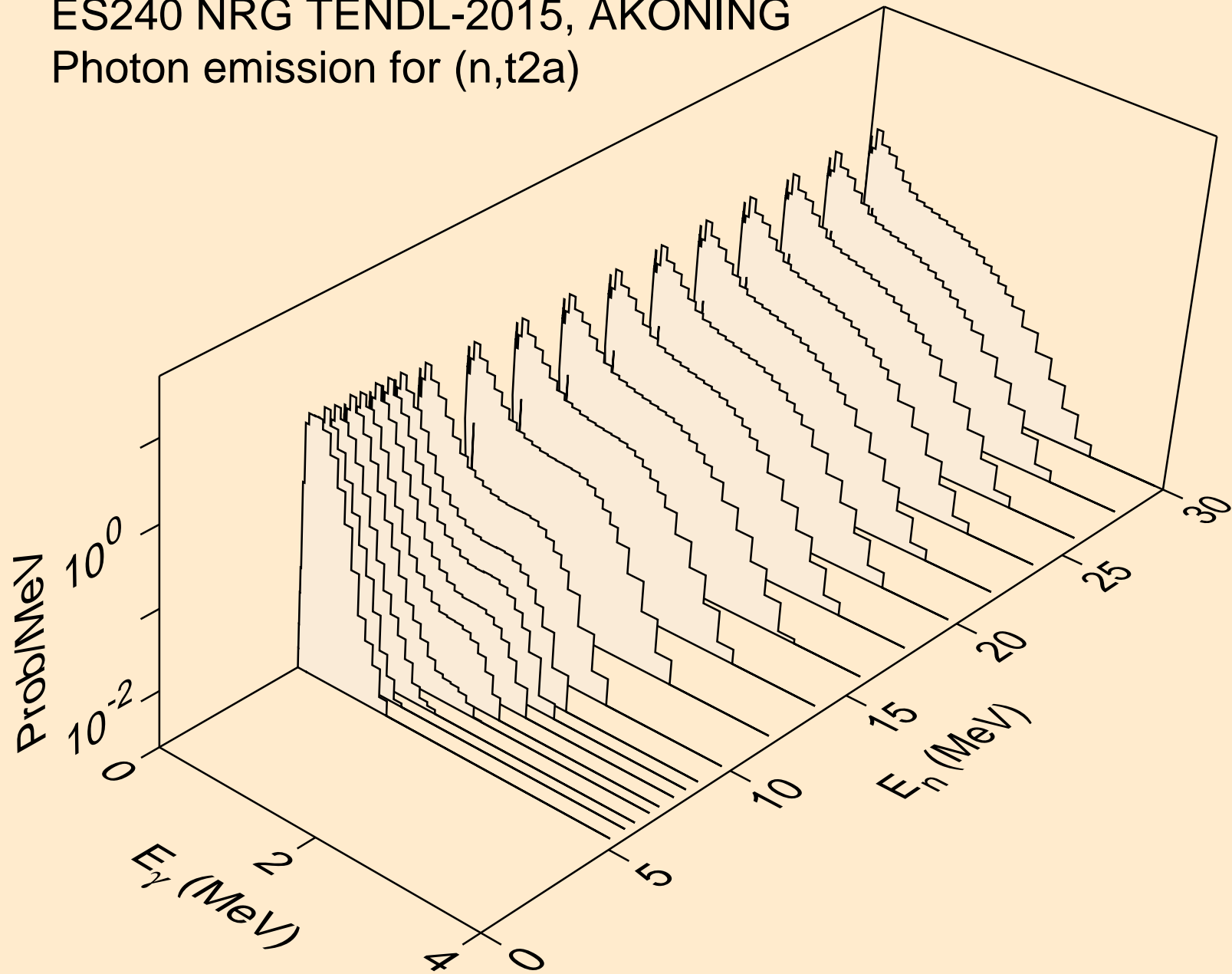


ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,p $\alpha$ )

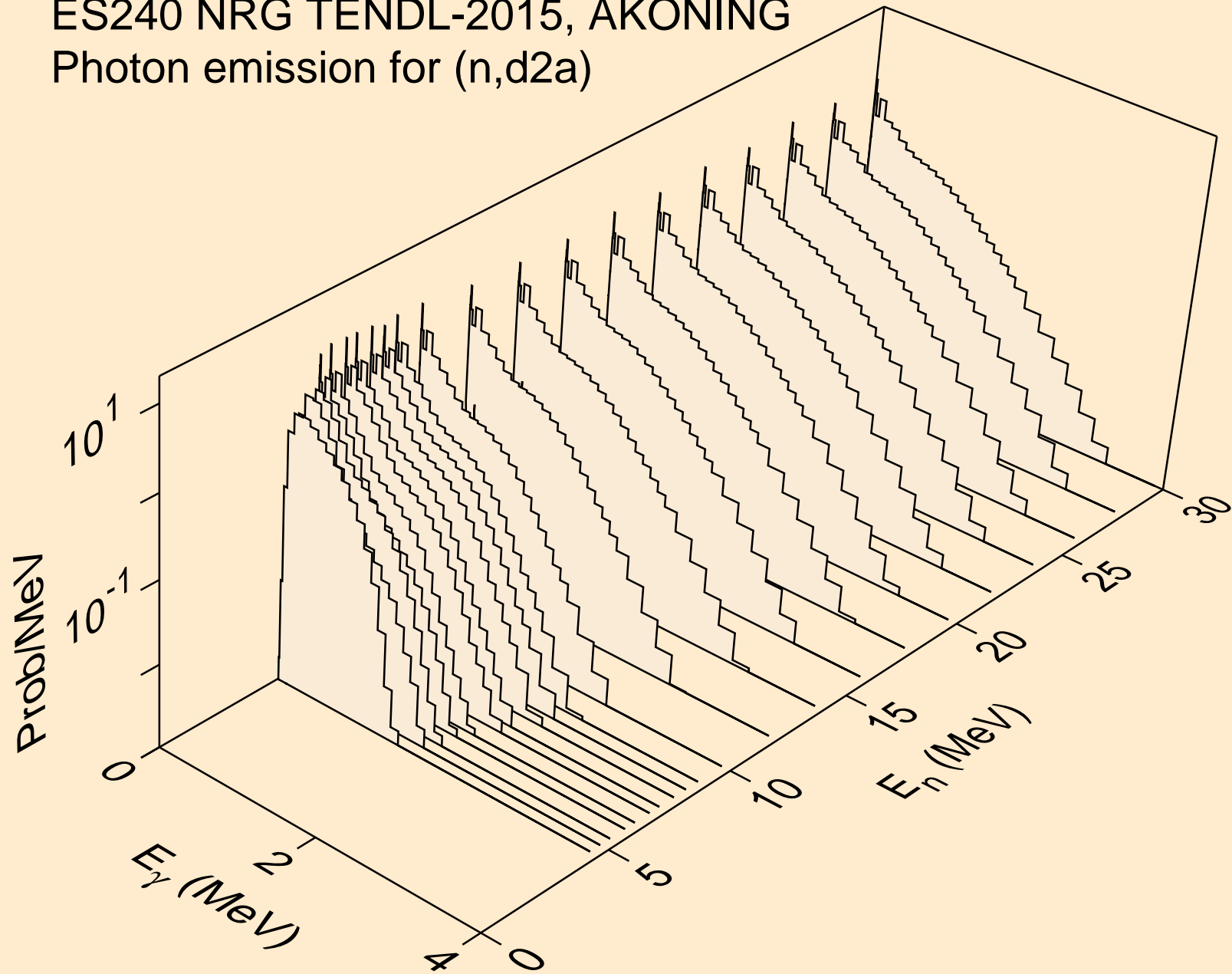




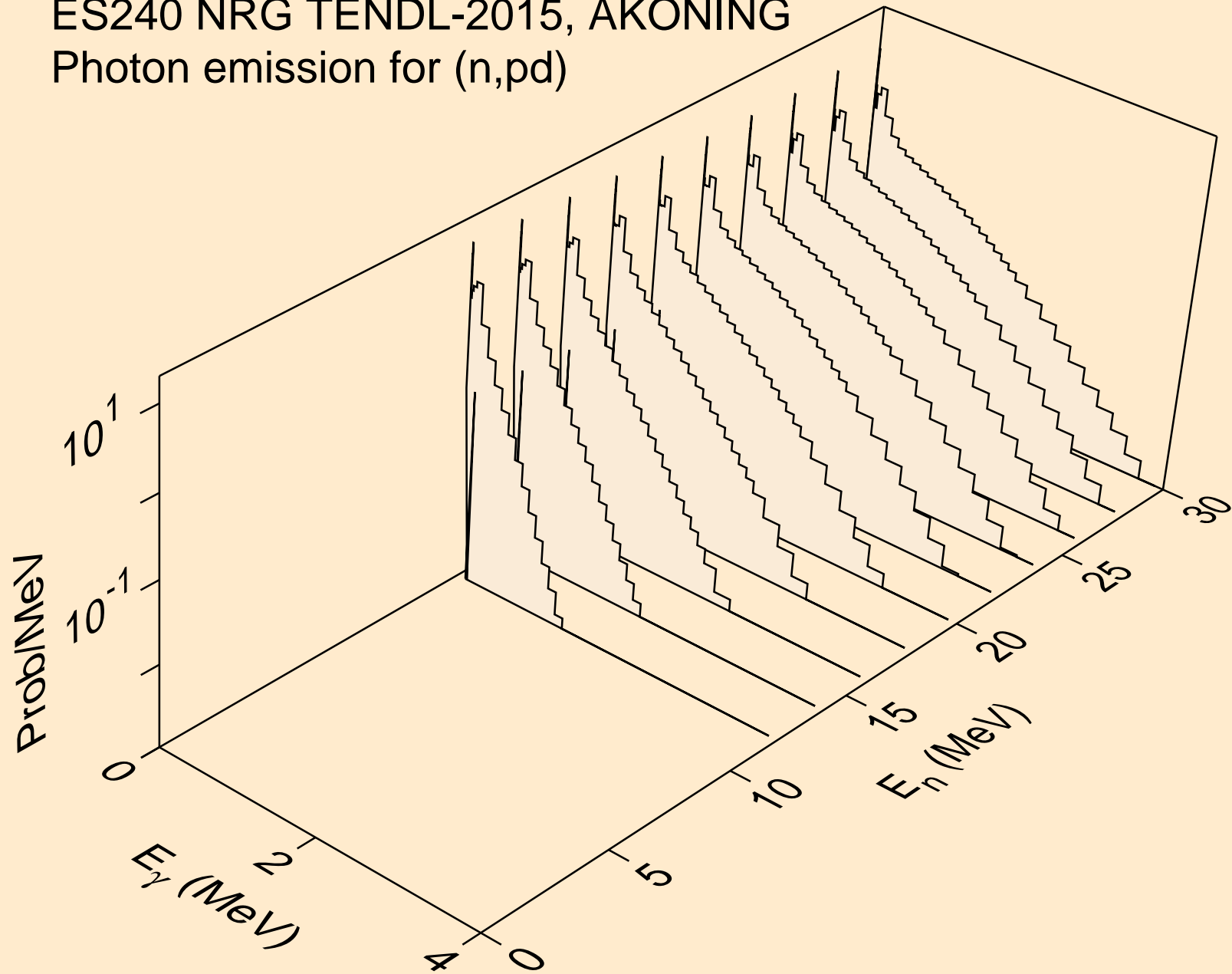
ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,t2a)



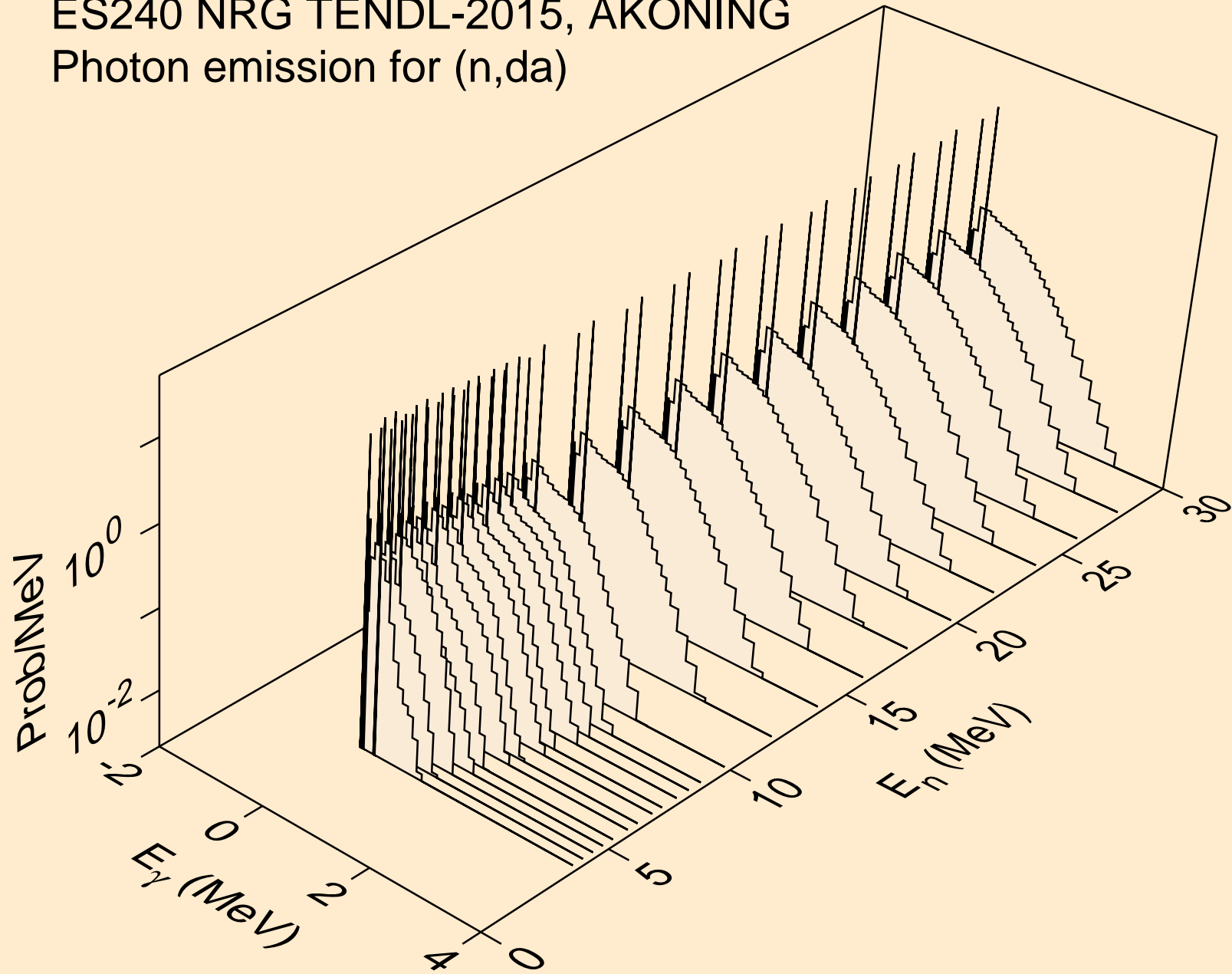
ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,d2a)



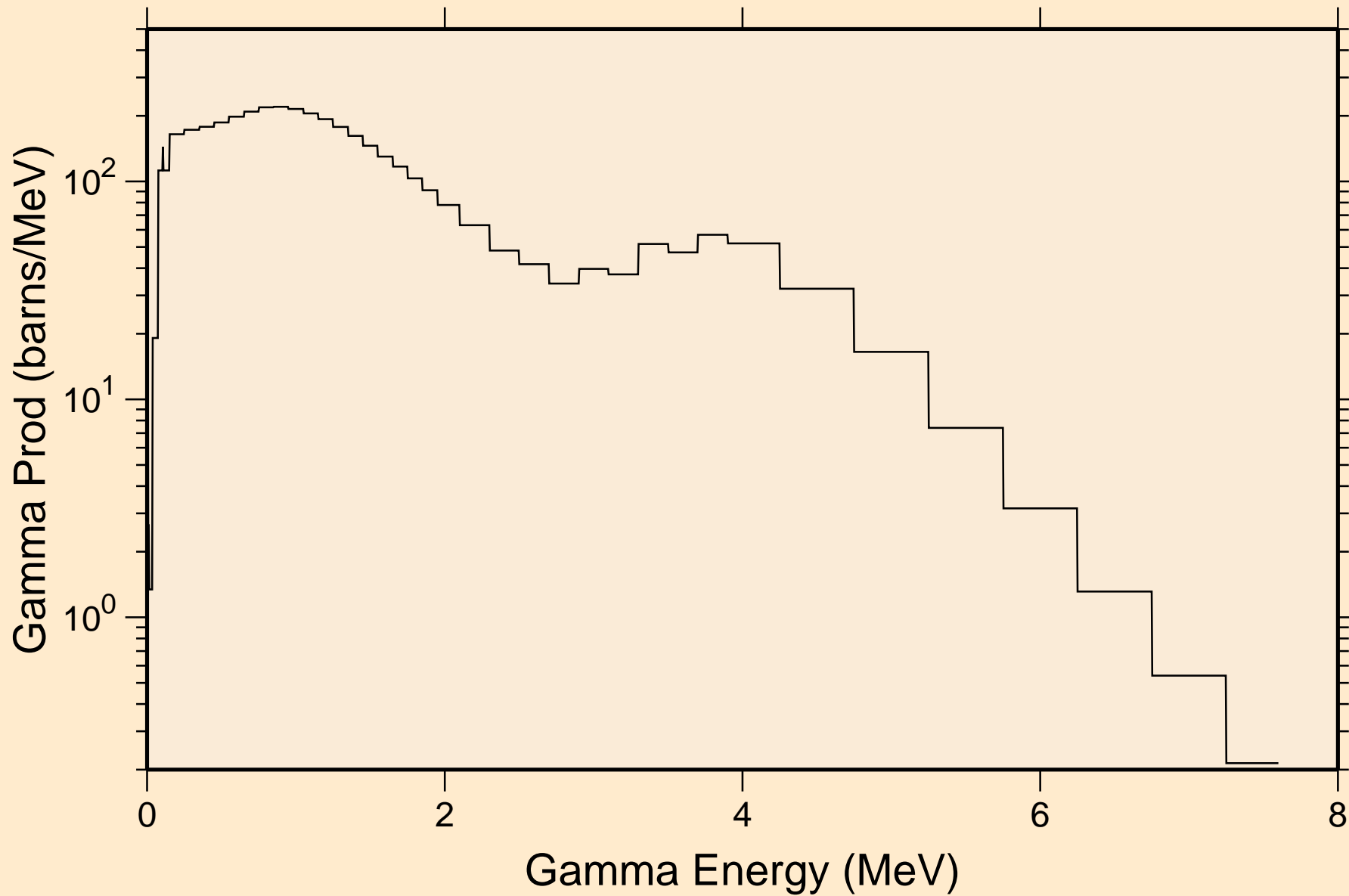
ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



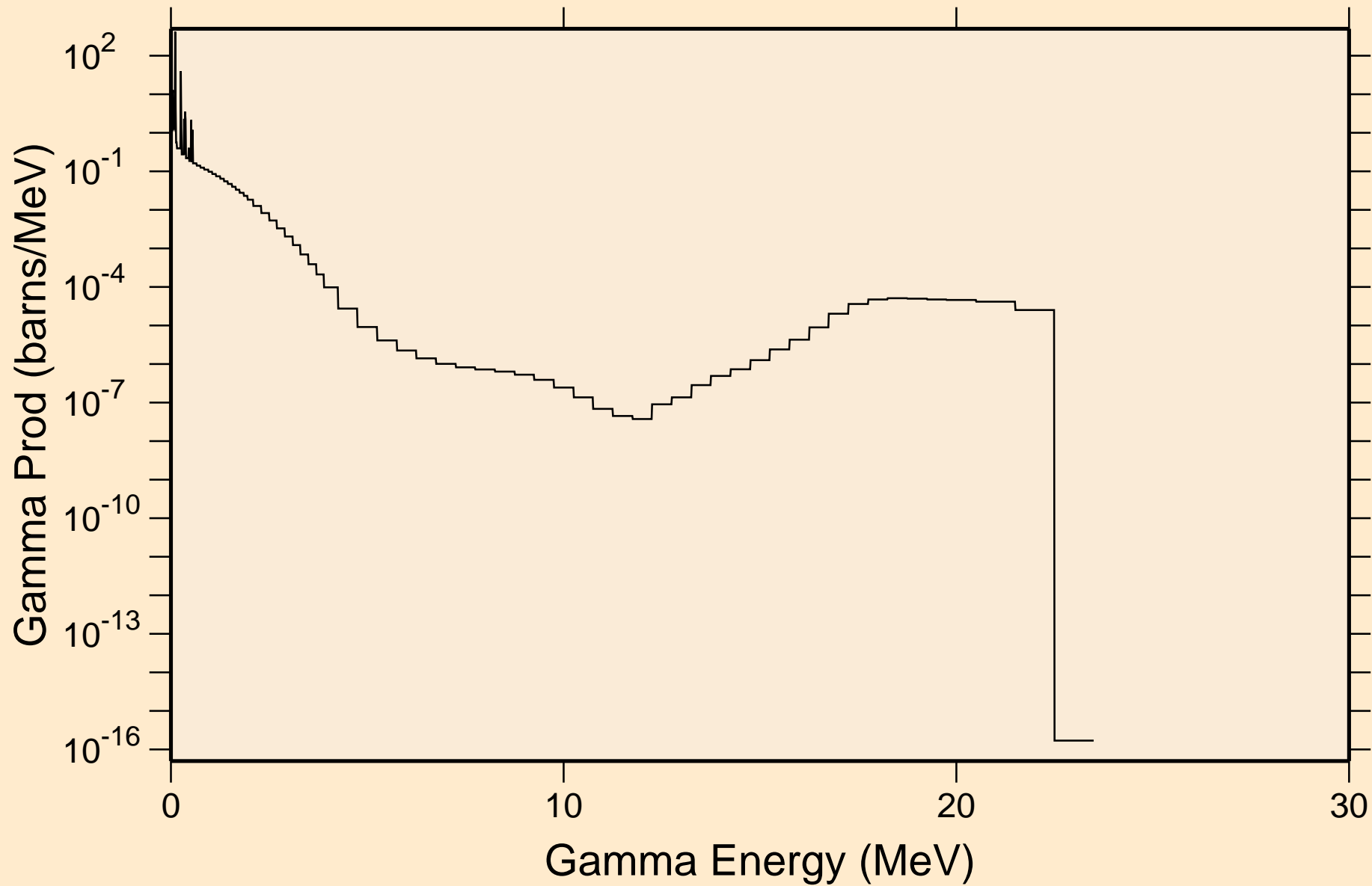
ES240 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



ES240 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

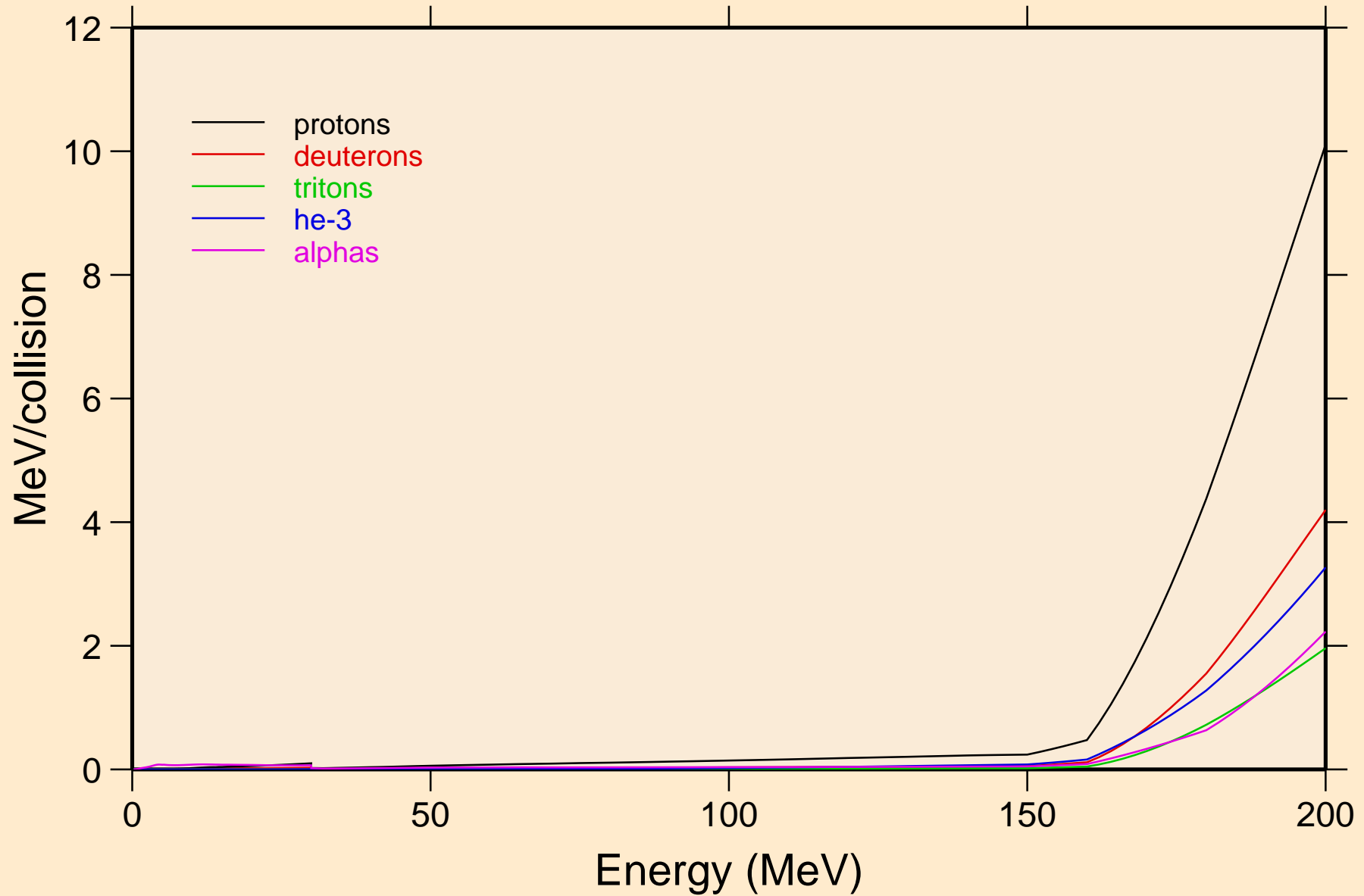


ES240 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



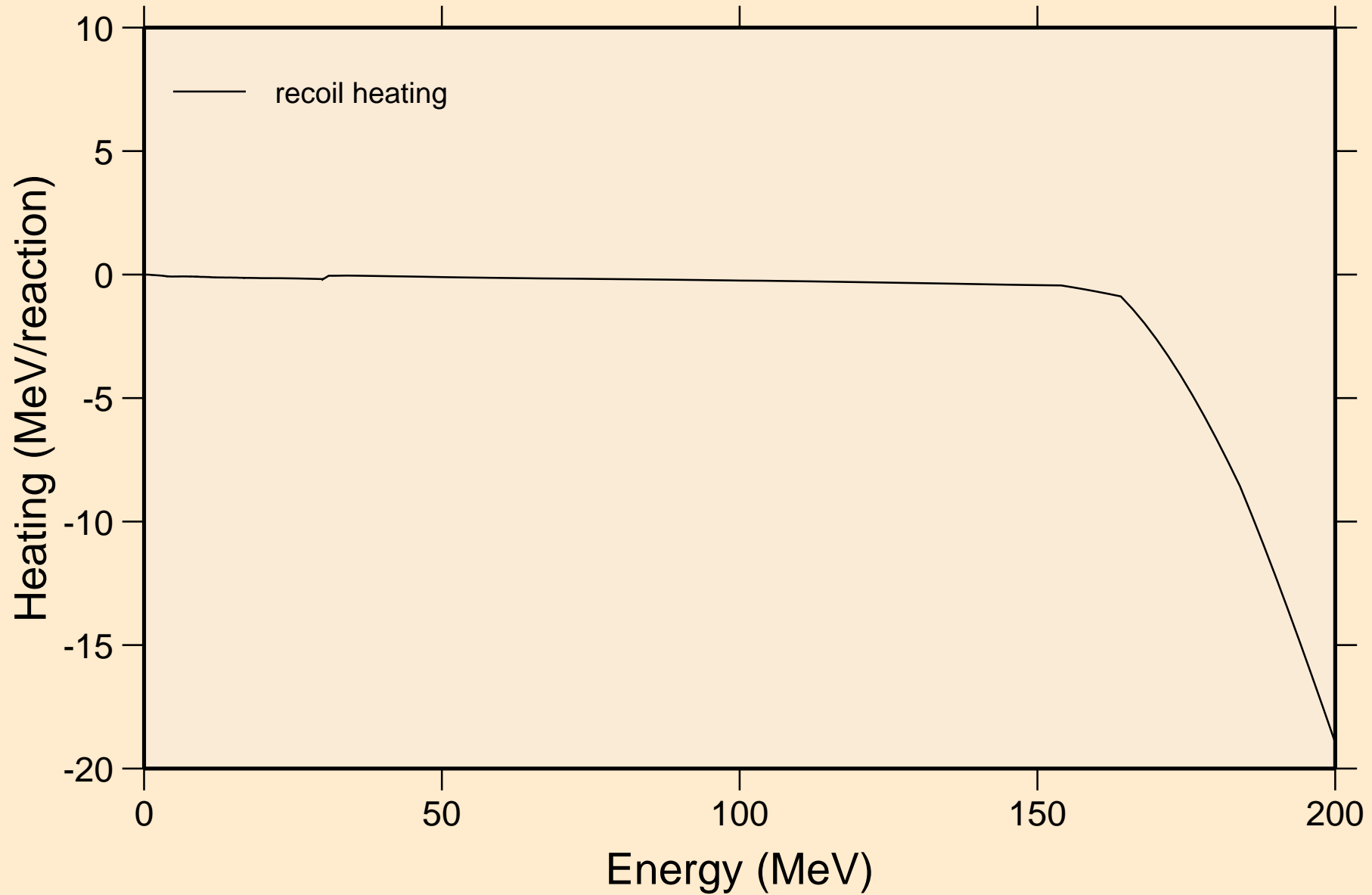
# ES240 NRG TENDL-2015, AKONING

## Particle heating contributions



# ES240 NRG TENDL-2015, AKONING

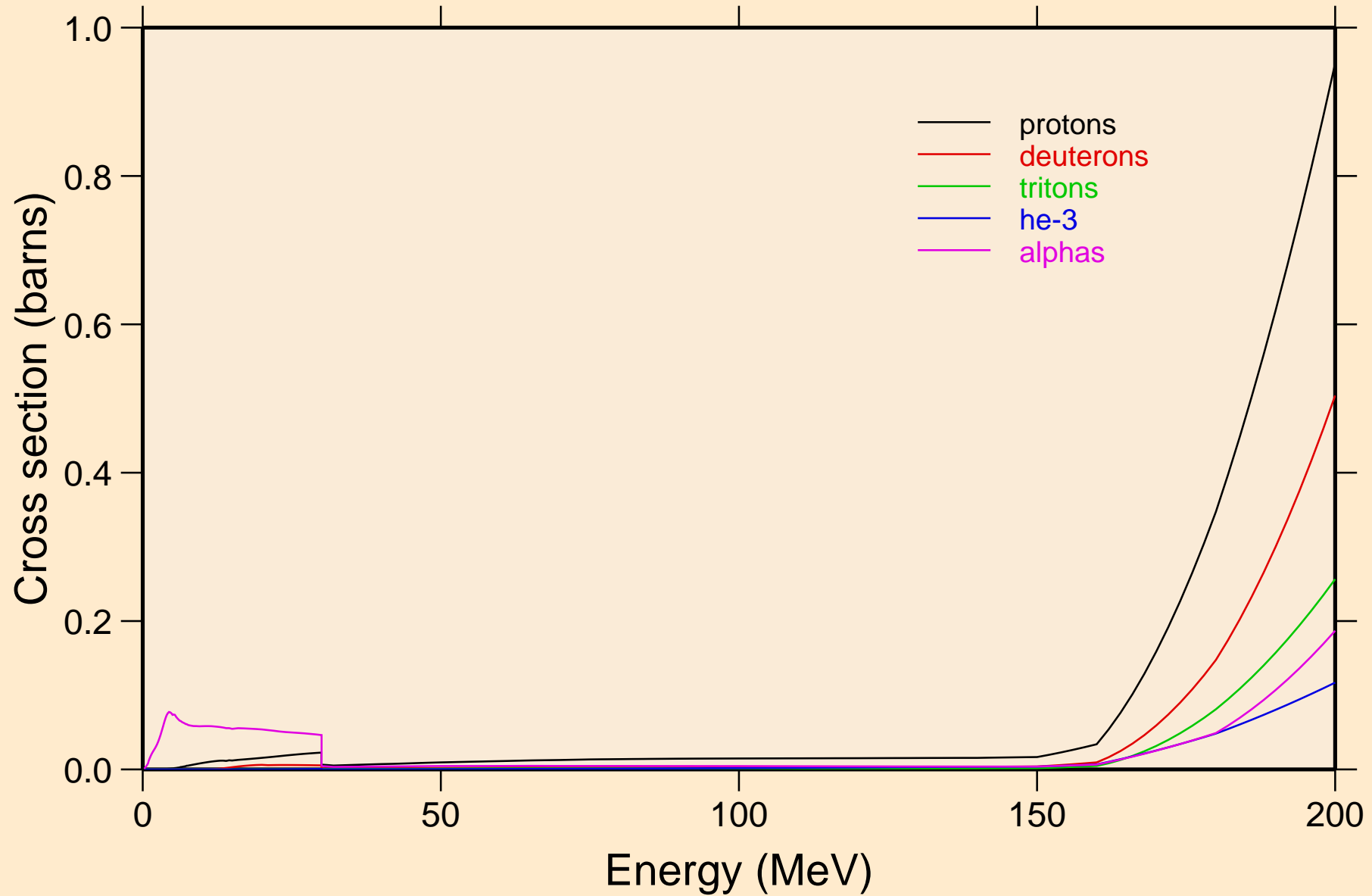
## Recoil Heating



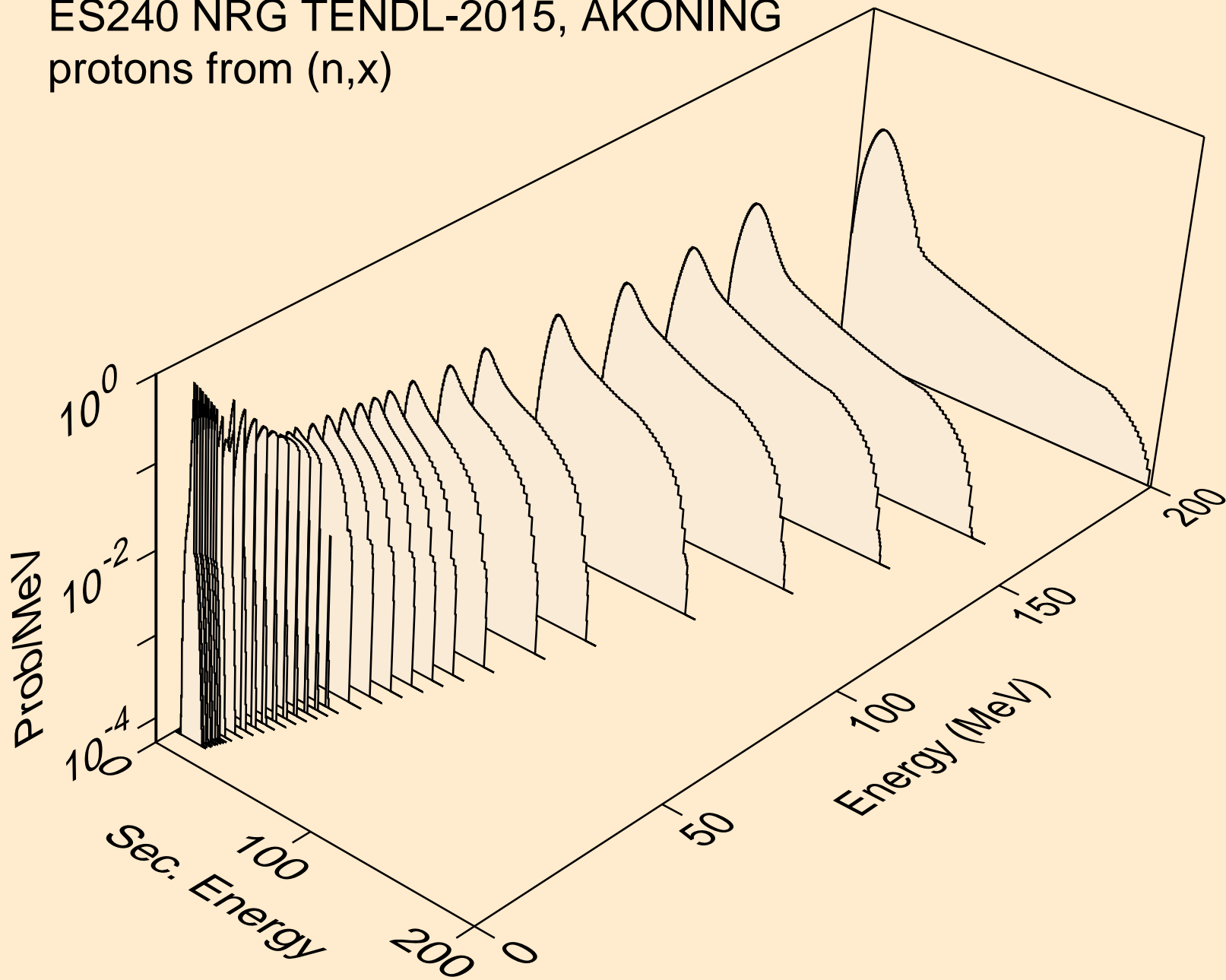


# ES240 NRG TENDL-2015, AKONING

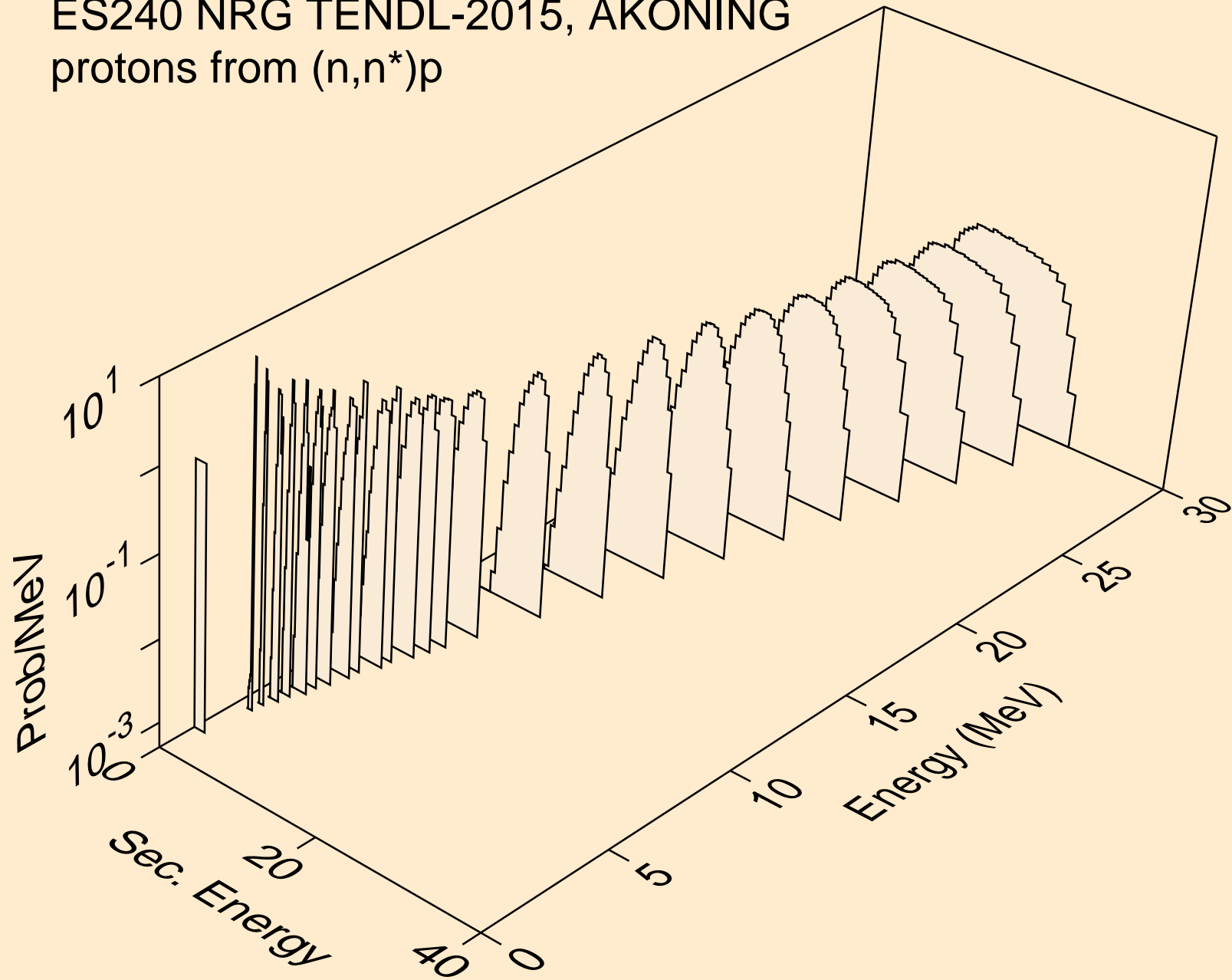
## Particle production cross sections



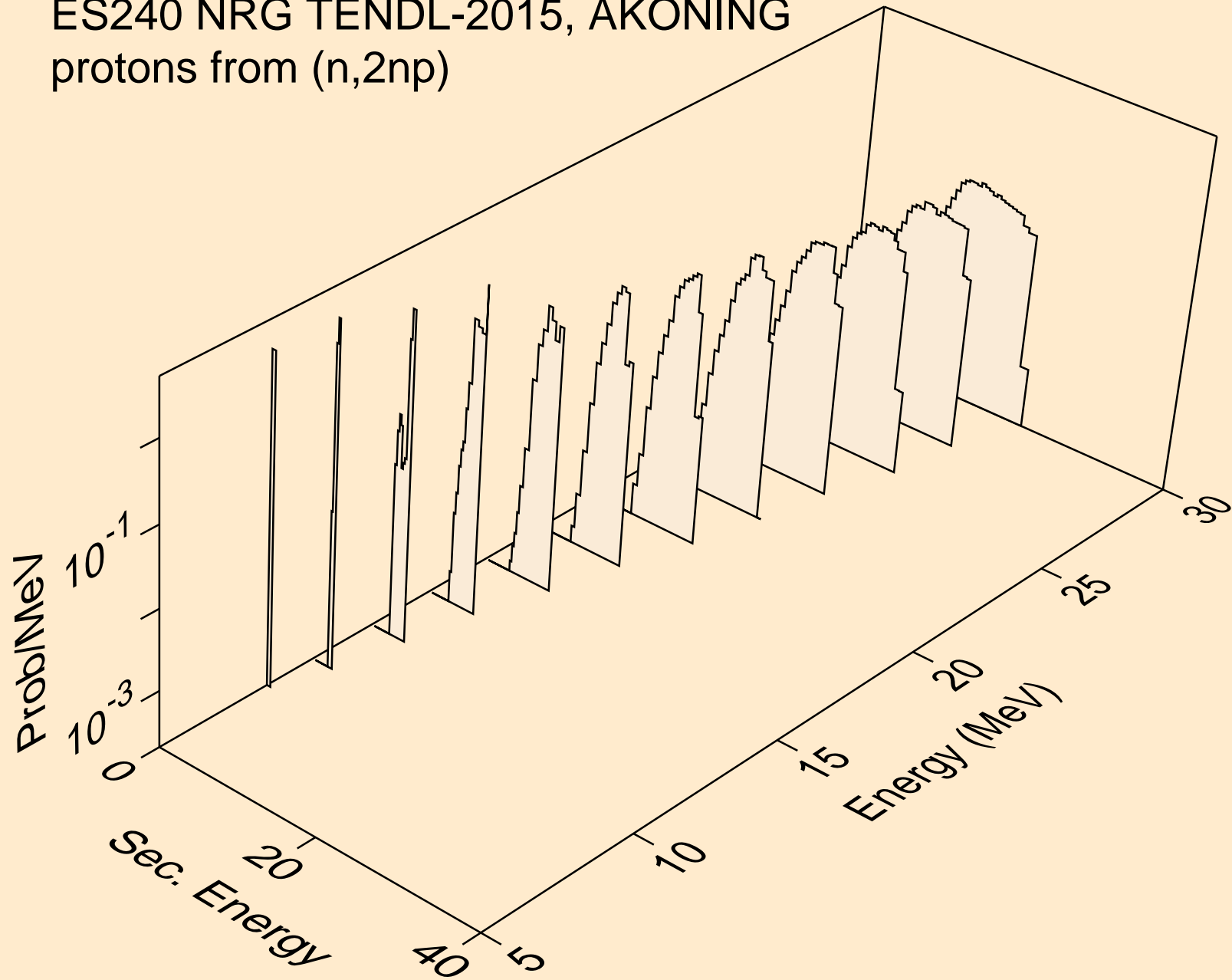
ES240 NRG TENDL-2015, AKONING  
protons from (n,x)



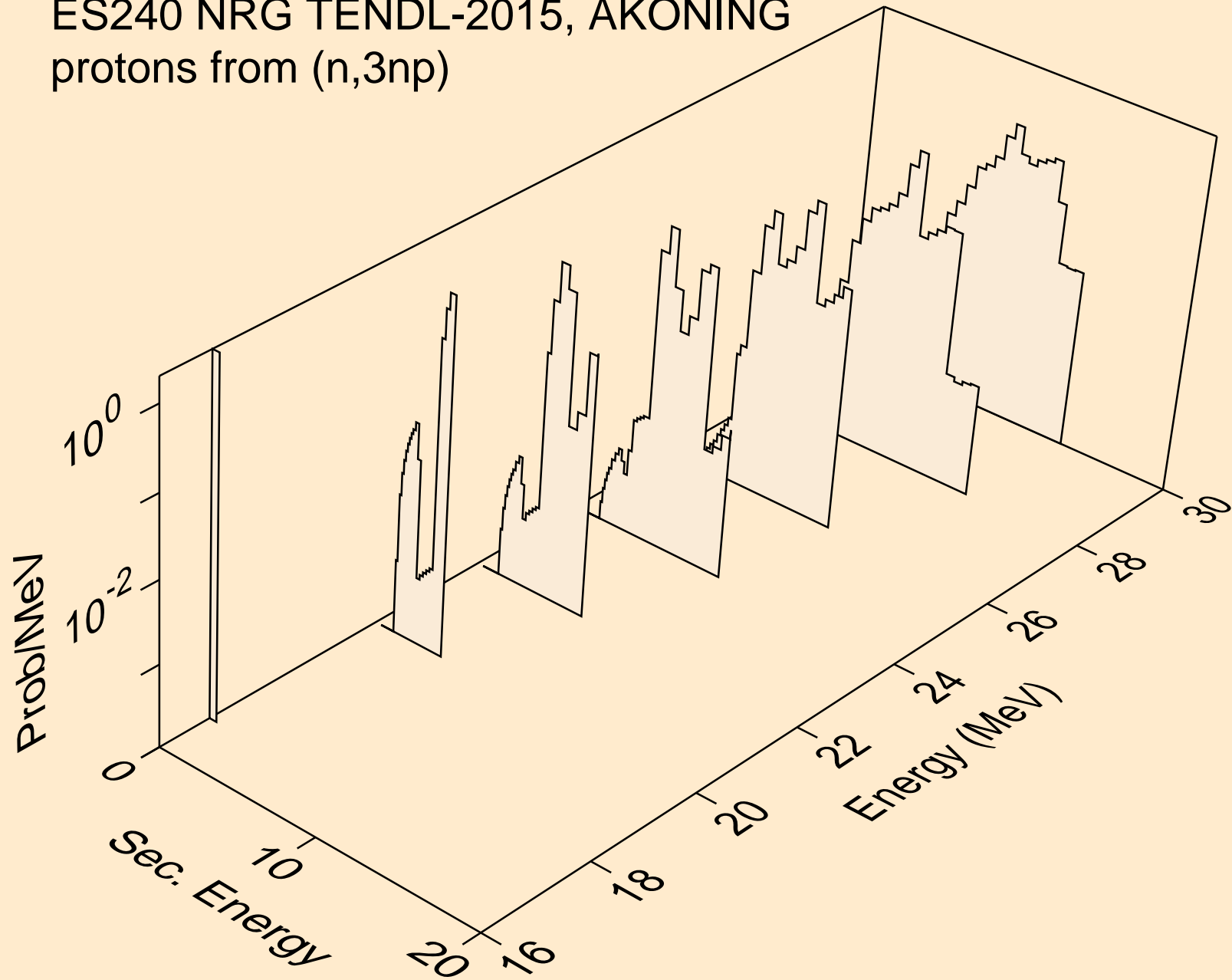
ES240 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



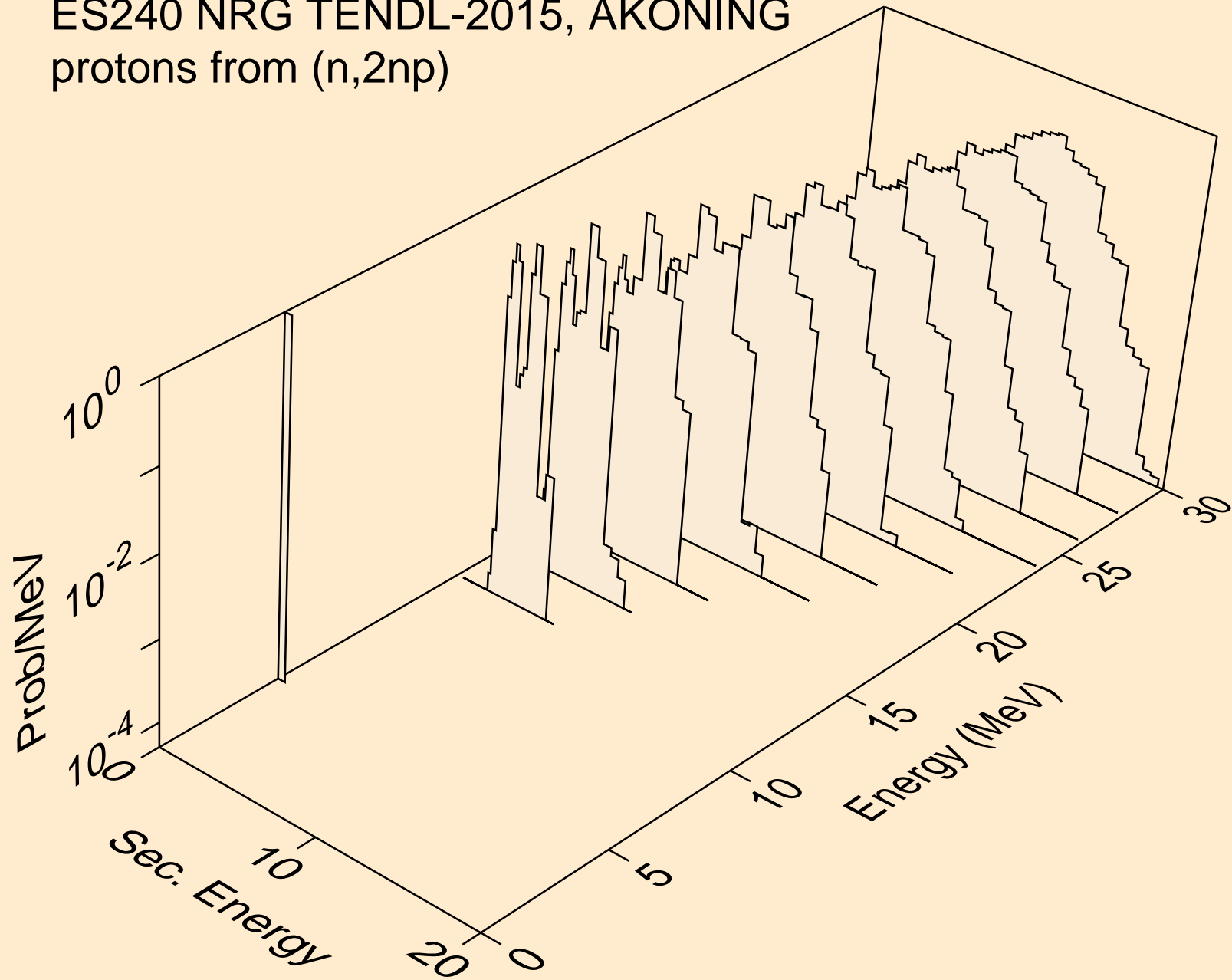
ES240 NRG TENDL-2015, AKONING  
protons from (n,2np)



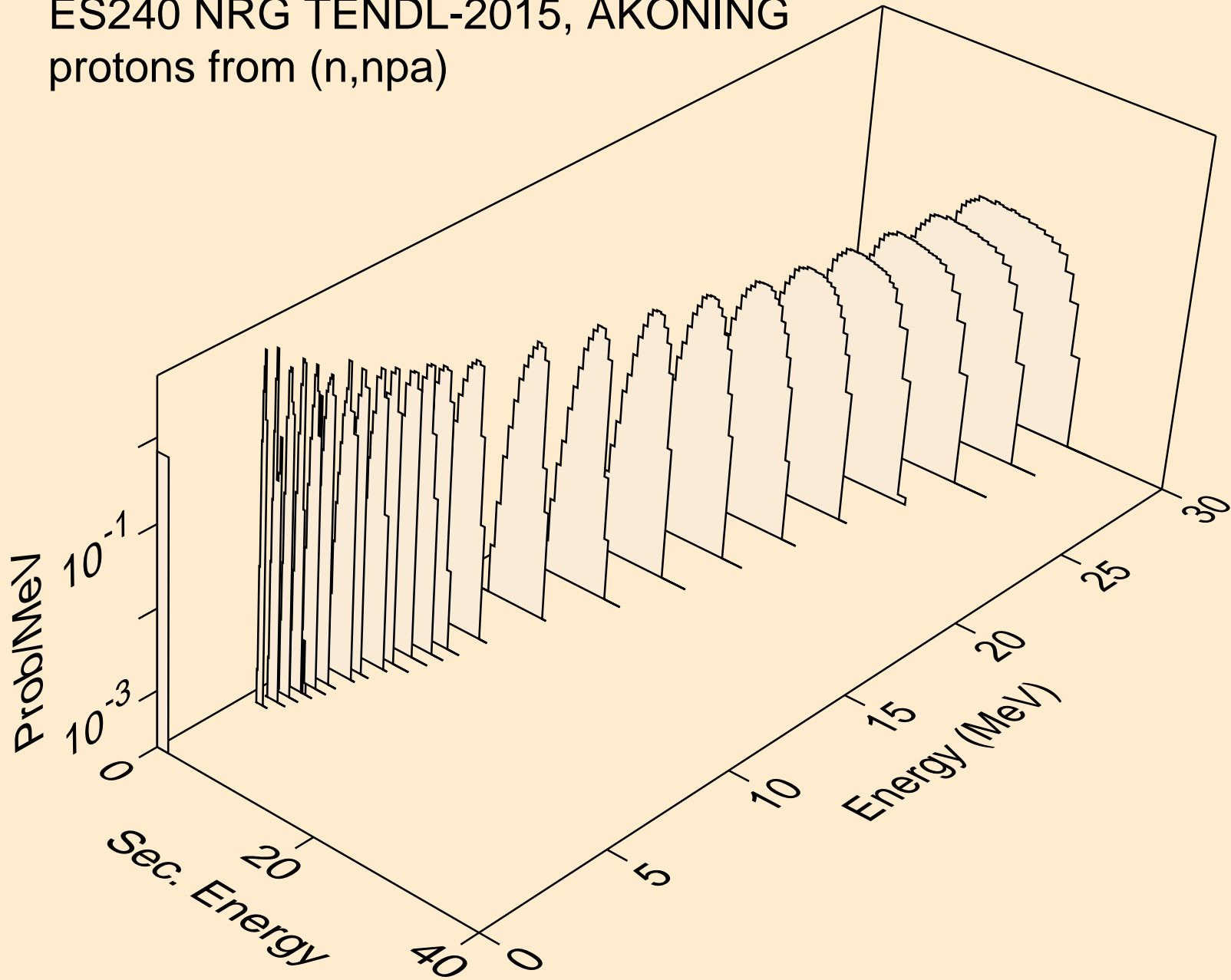
ES240 NRG TENDL-2015, AKONING  
protons from (n,3np)



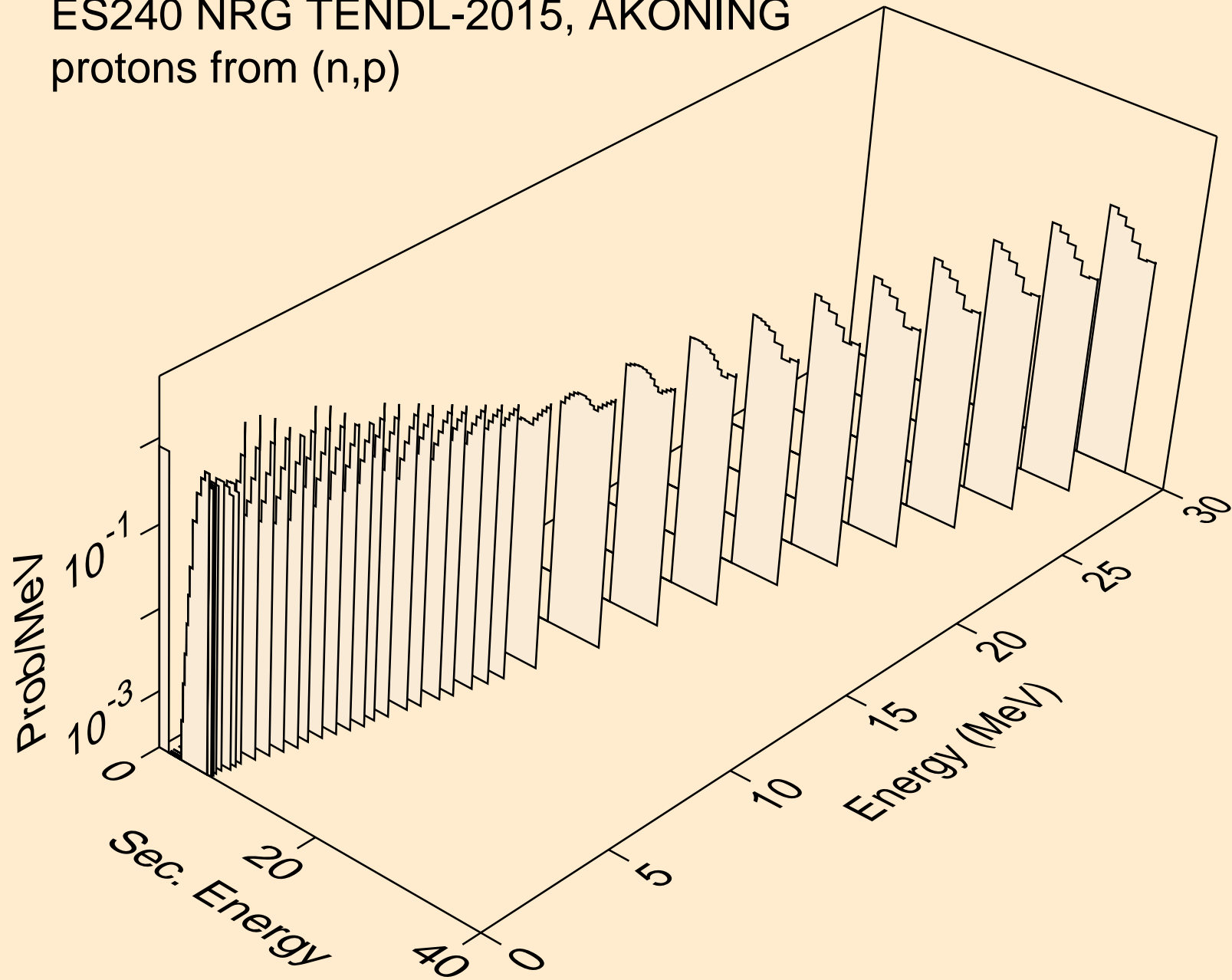
ES240 NRG TENDL-2015, AKONING  
protons from (n,2np)



ES240 NRG TENDL-2015, AKONING  
protons from (n,npa)

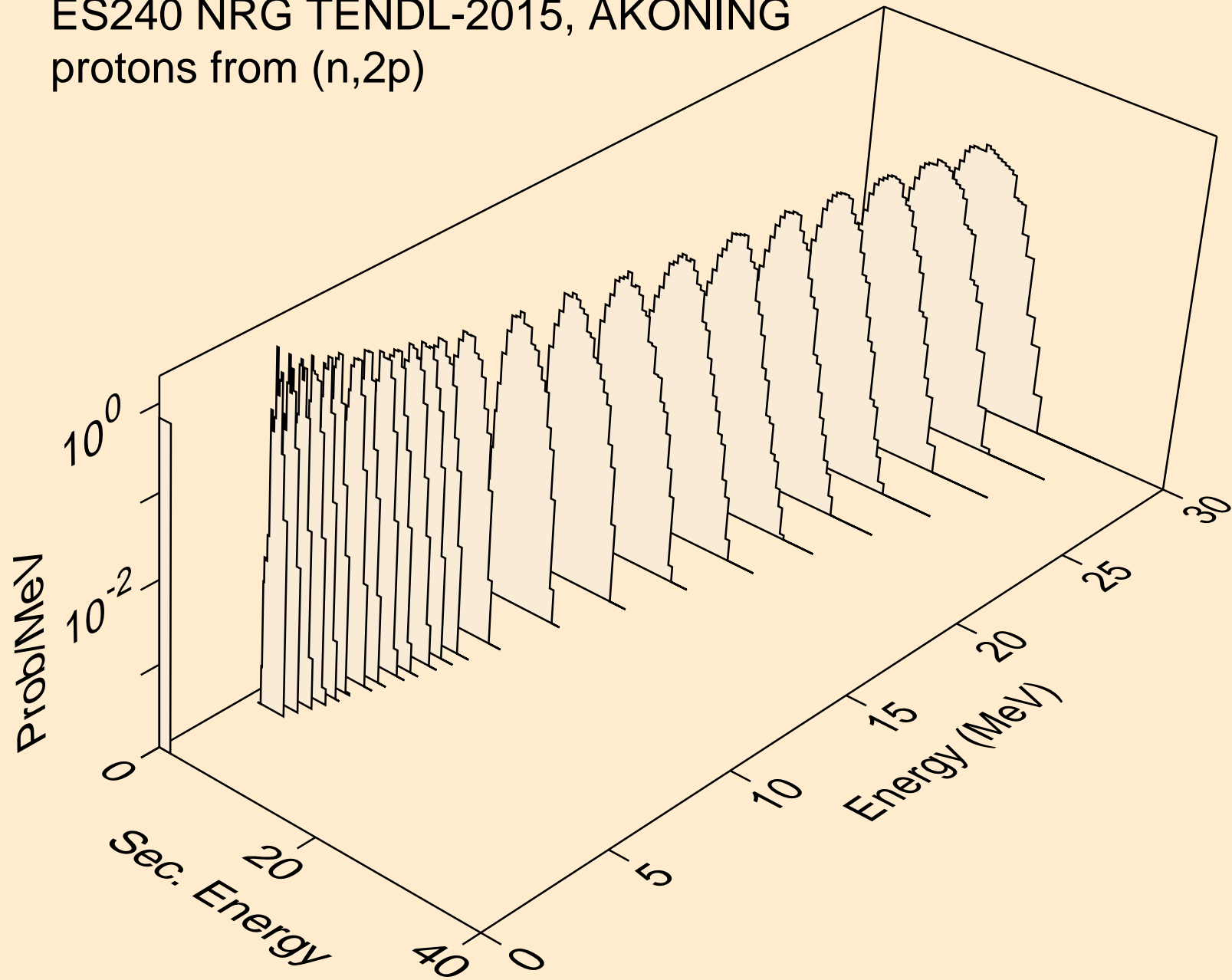


ES240 NRG TENDL-2015, AKONING  
protons from (n,p)

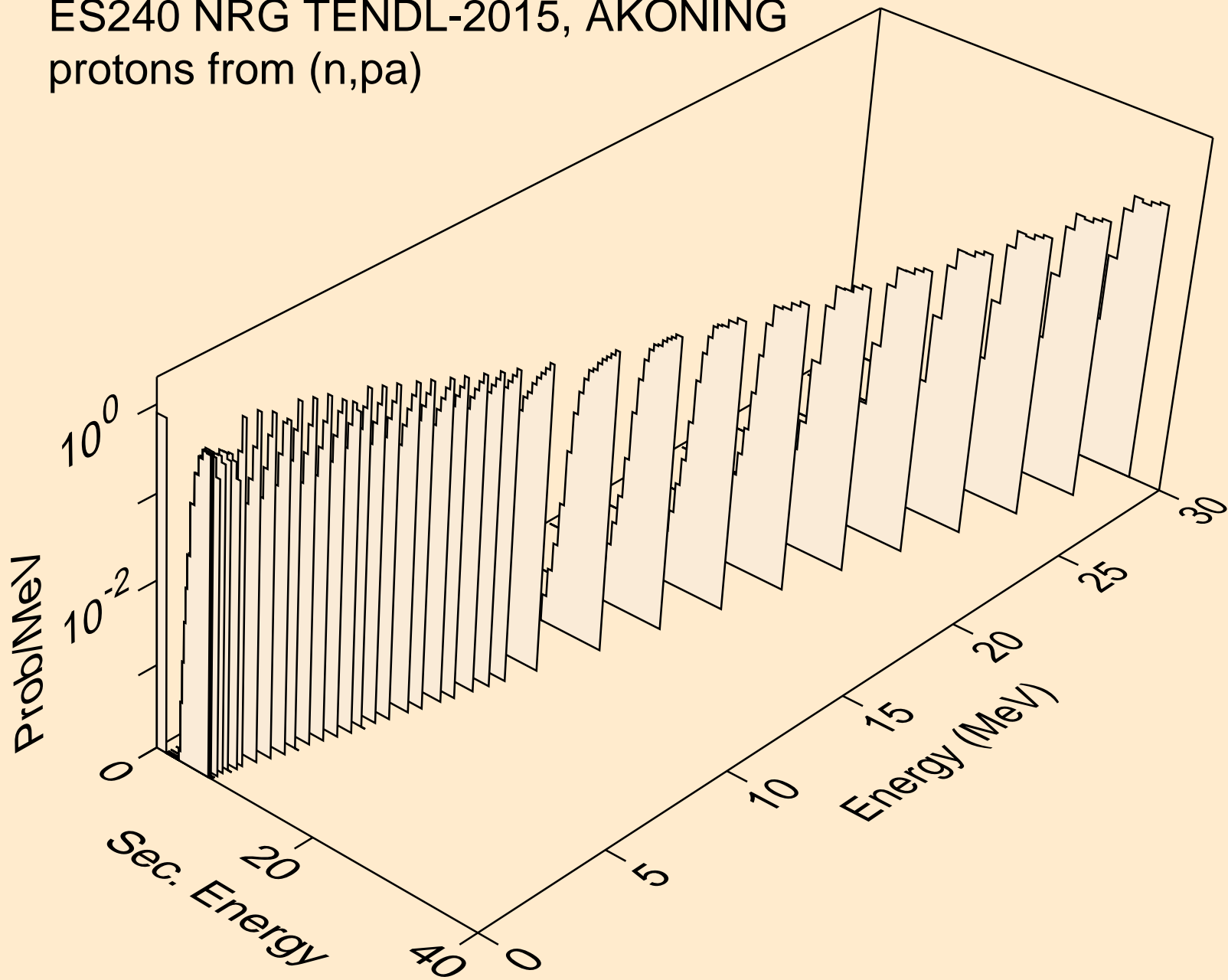




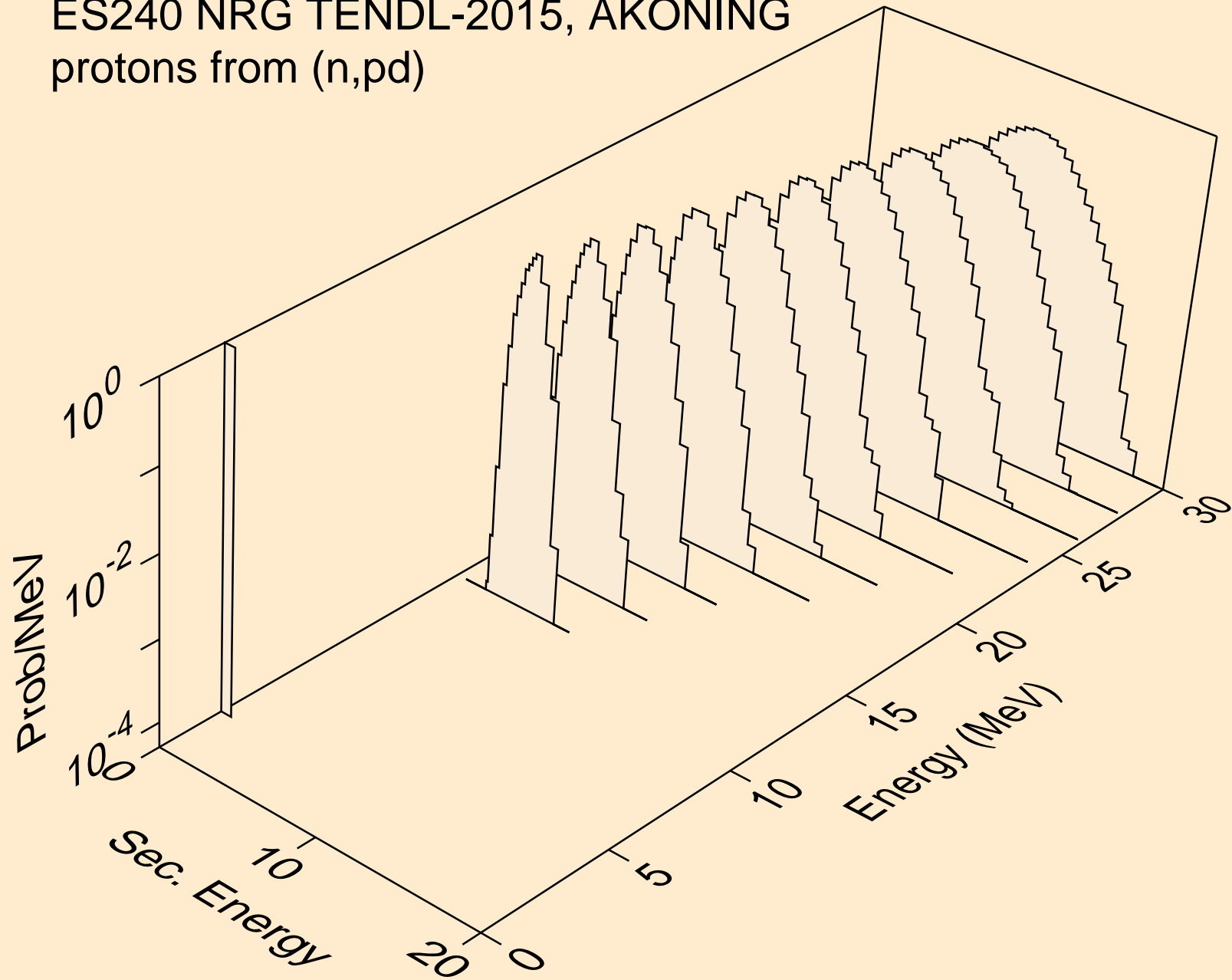
ES240 NRG TENDL-2015, AKONING  
protons from (n,2p)



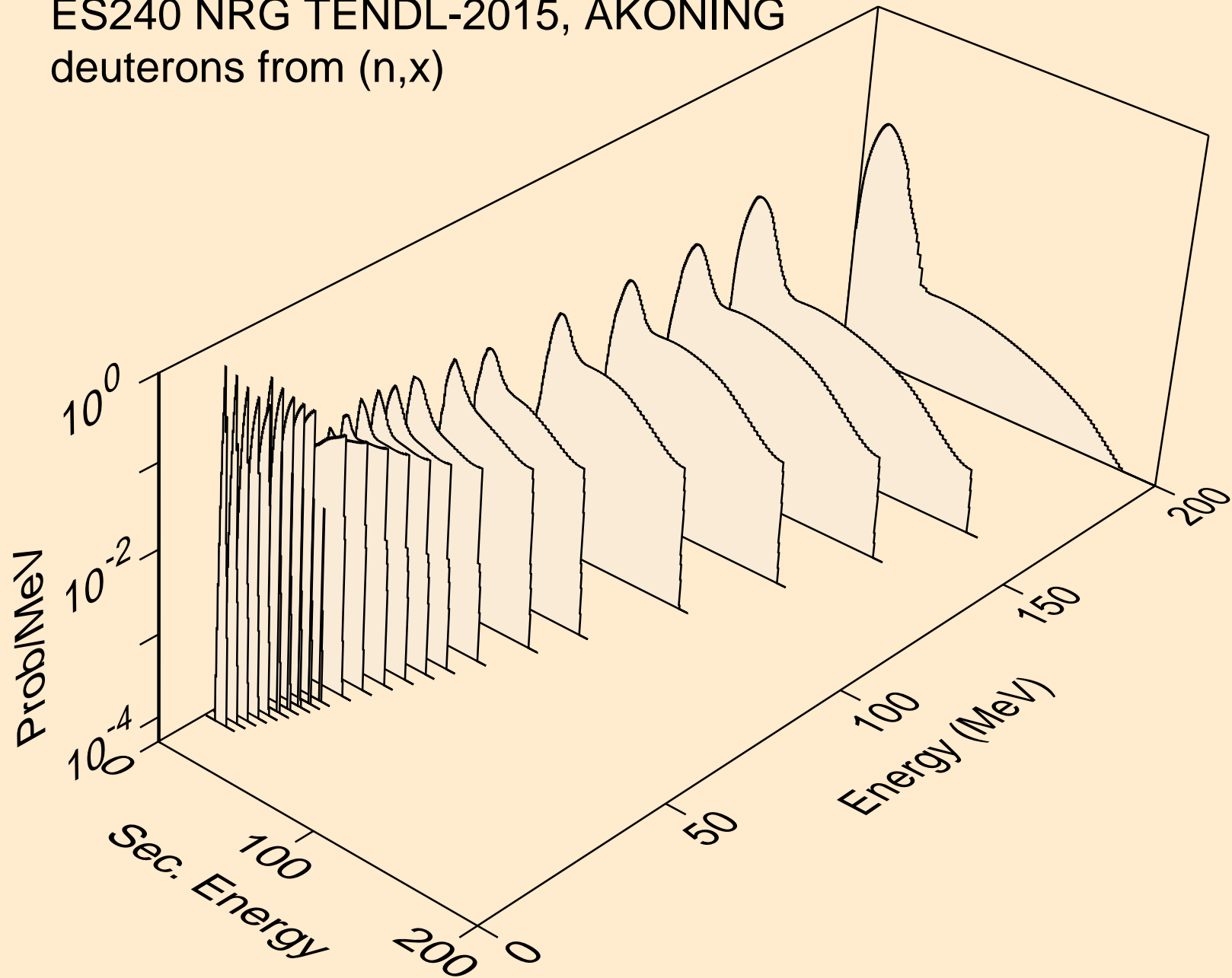
ES240 NRG TENDL-2015, AKONING  
protons from (n,pa)



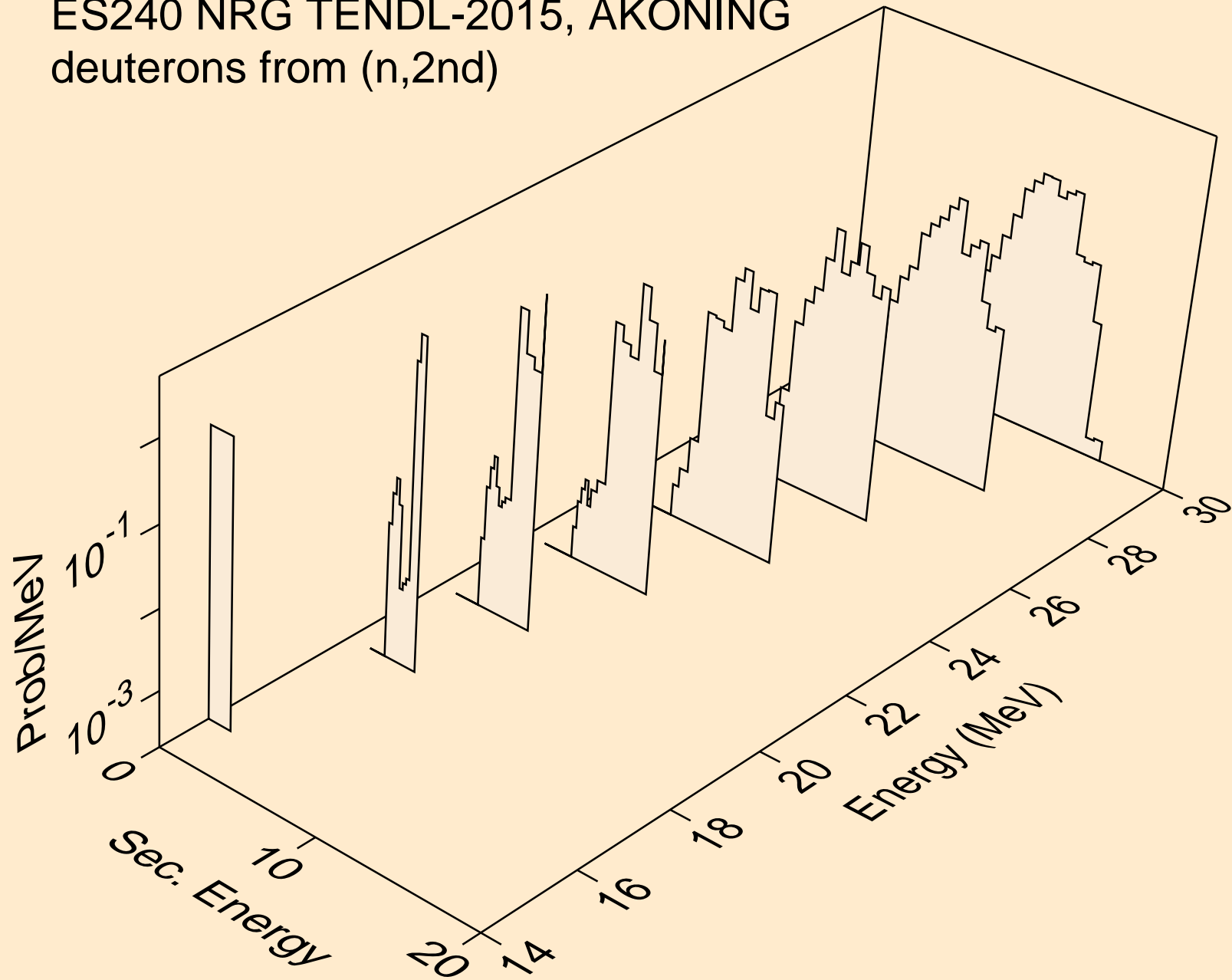
ES240 NRG TENDL-2015, AKONING  
protons from (n,pd)



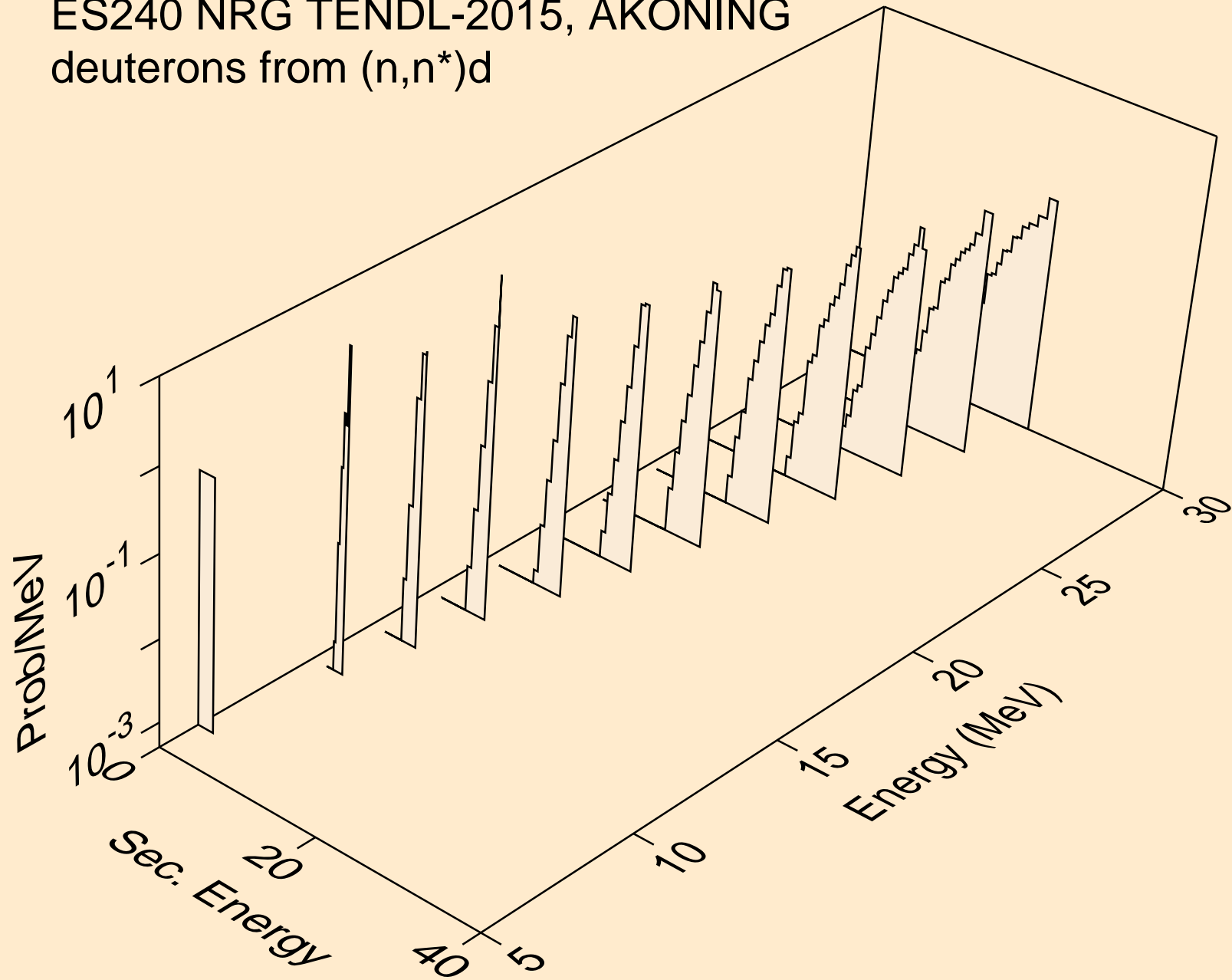
ES240 NRG TENDL-2015, AKONING  
deuterons from (n,x)



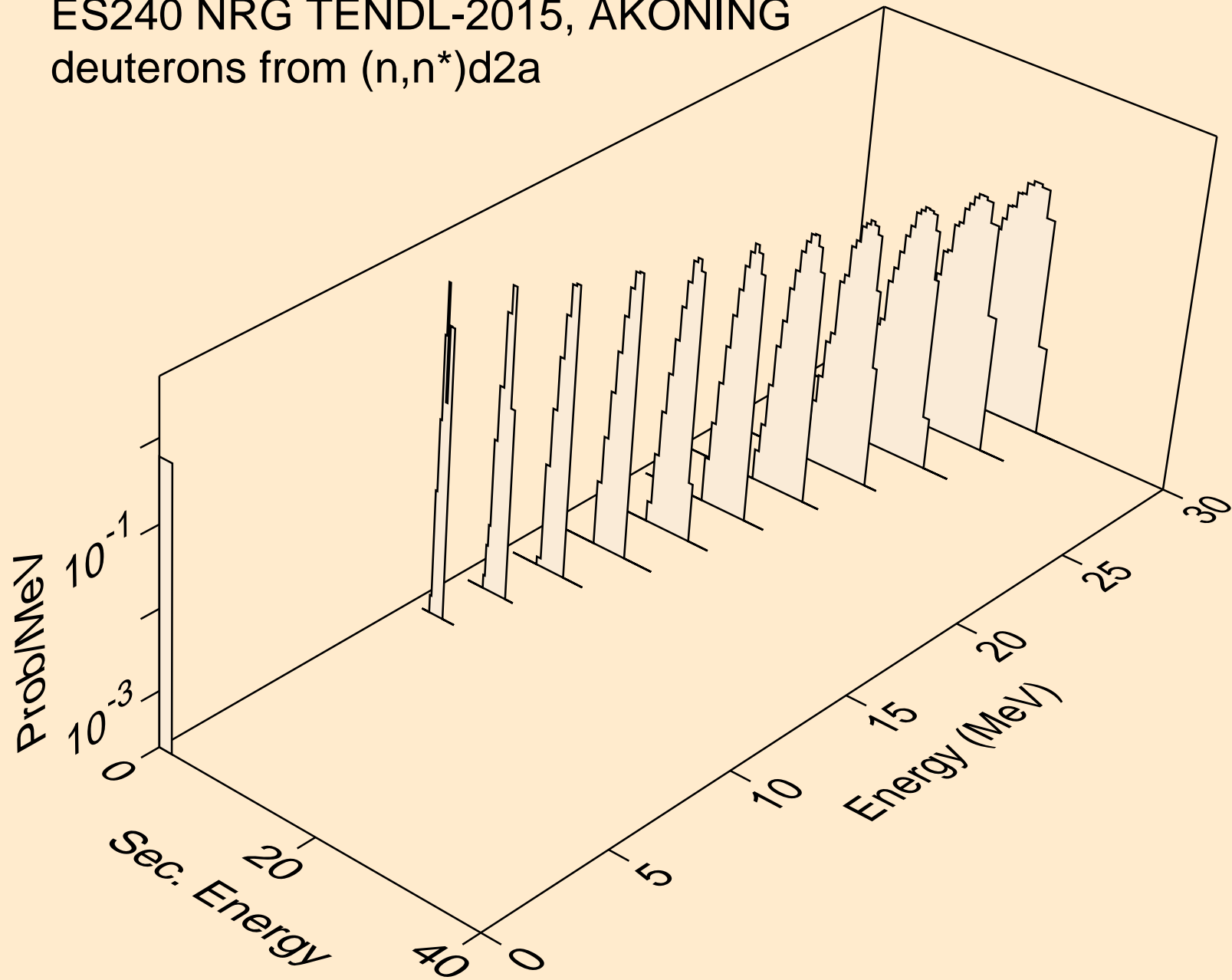
ES240 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



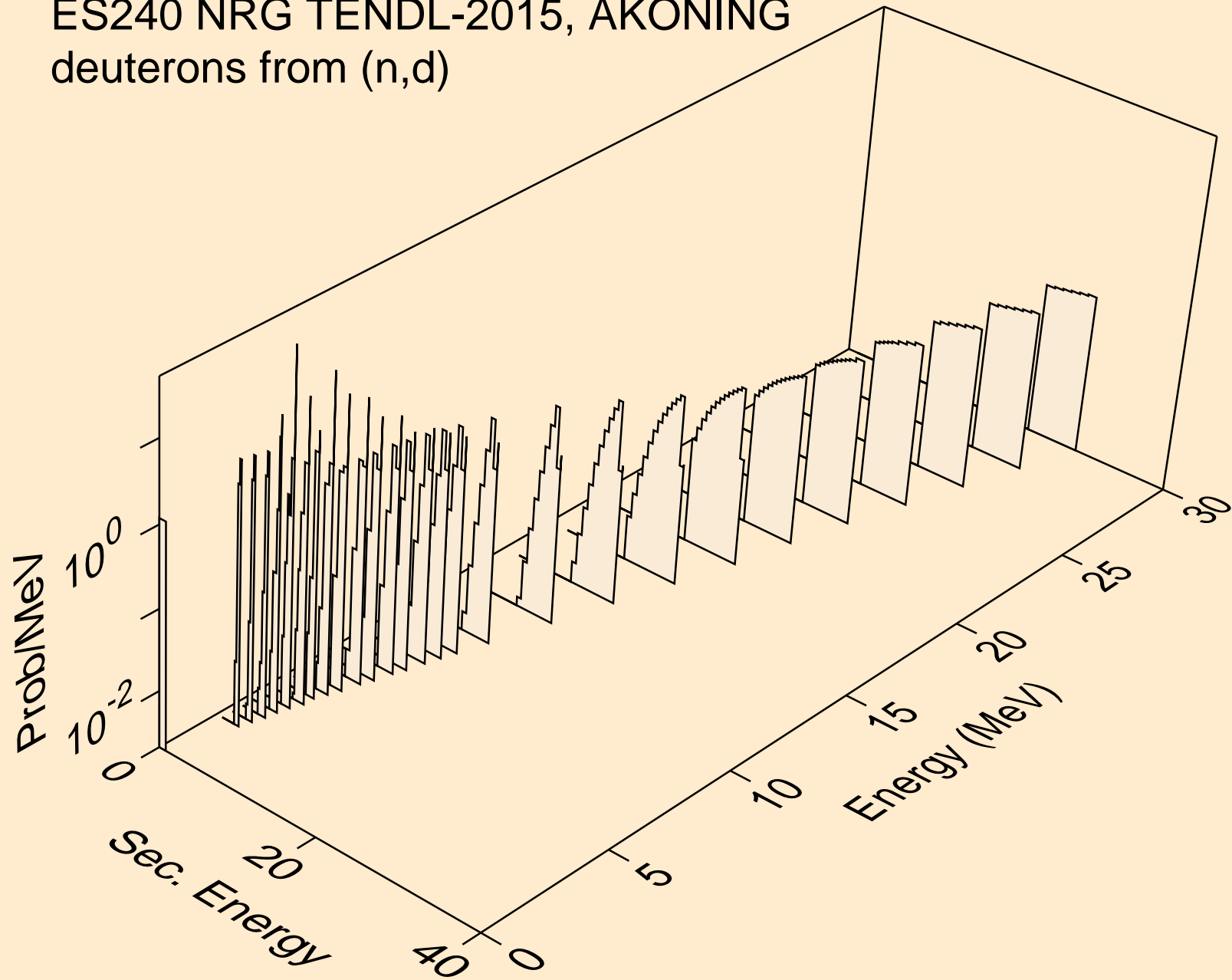
ES240 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



ES240 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d2a

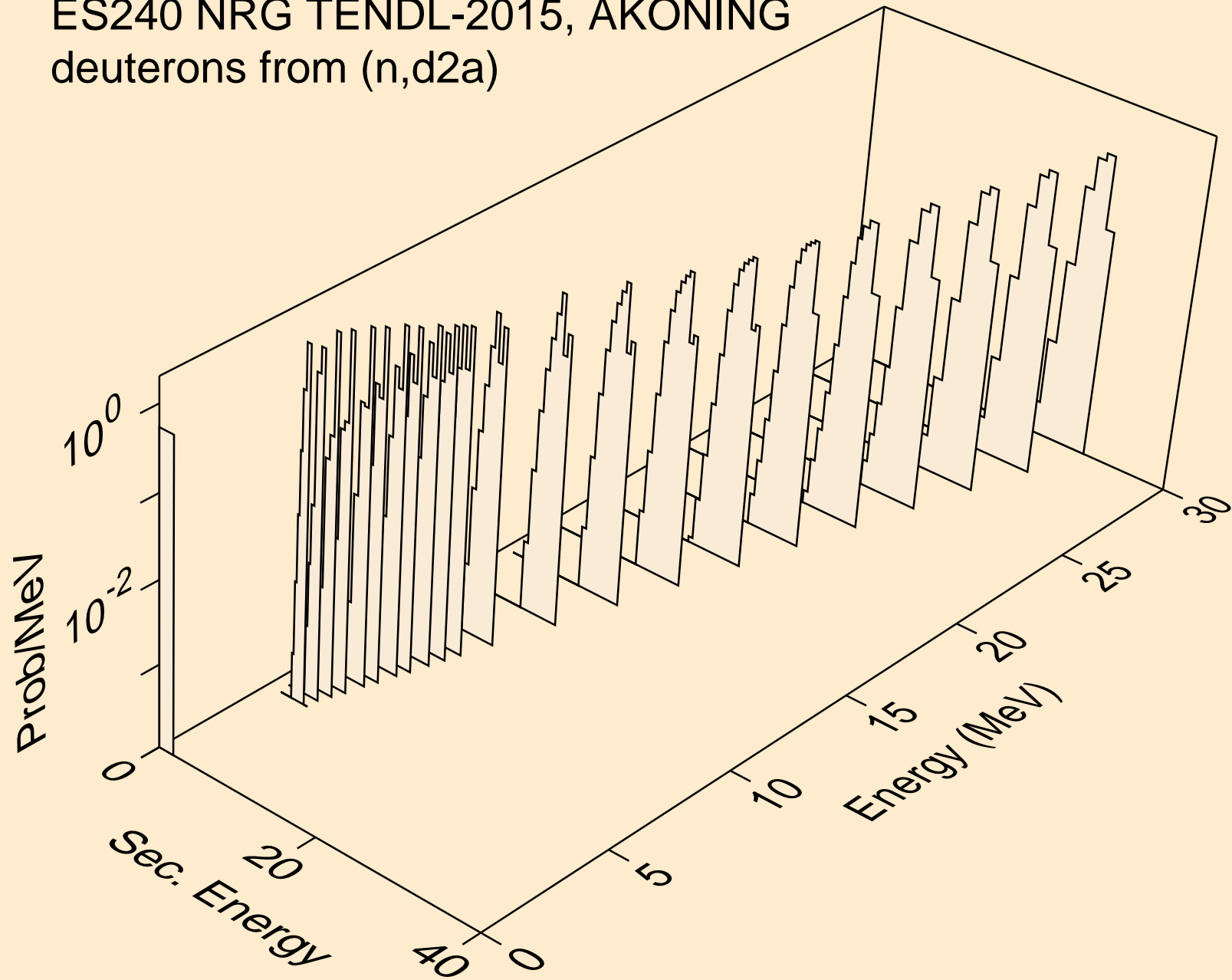


ES240 NRG TENDL-2015, AKONING  
deuterons from (n,d)

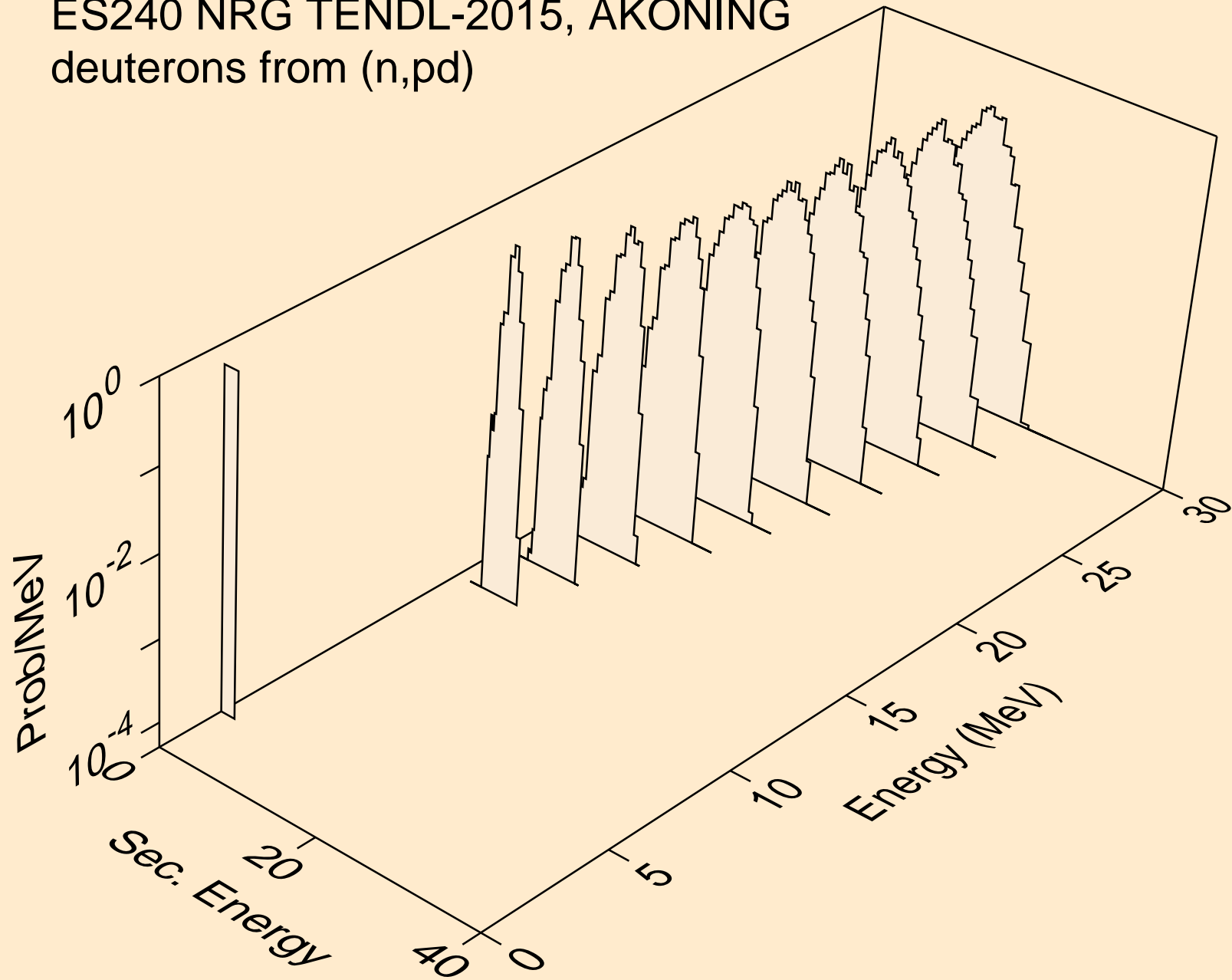




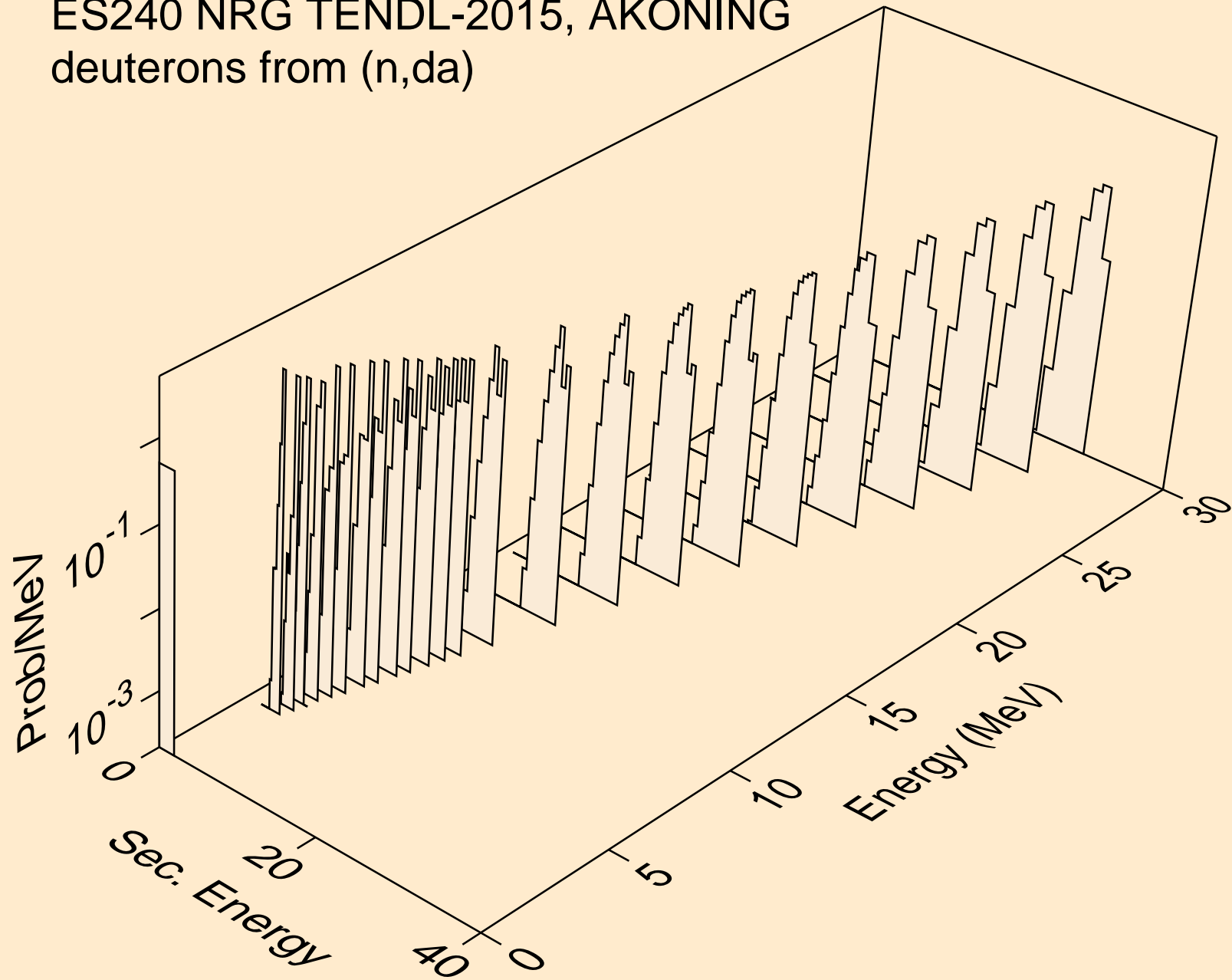
ES240 NRG TENDL-2015, AKONING  
deuterons from (n,d2a)



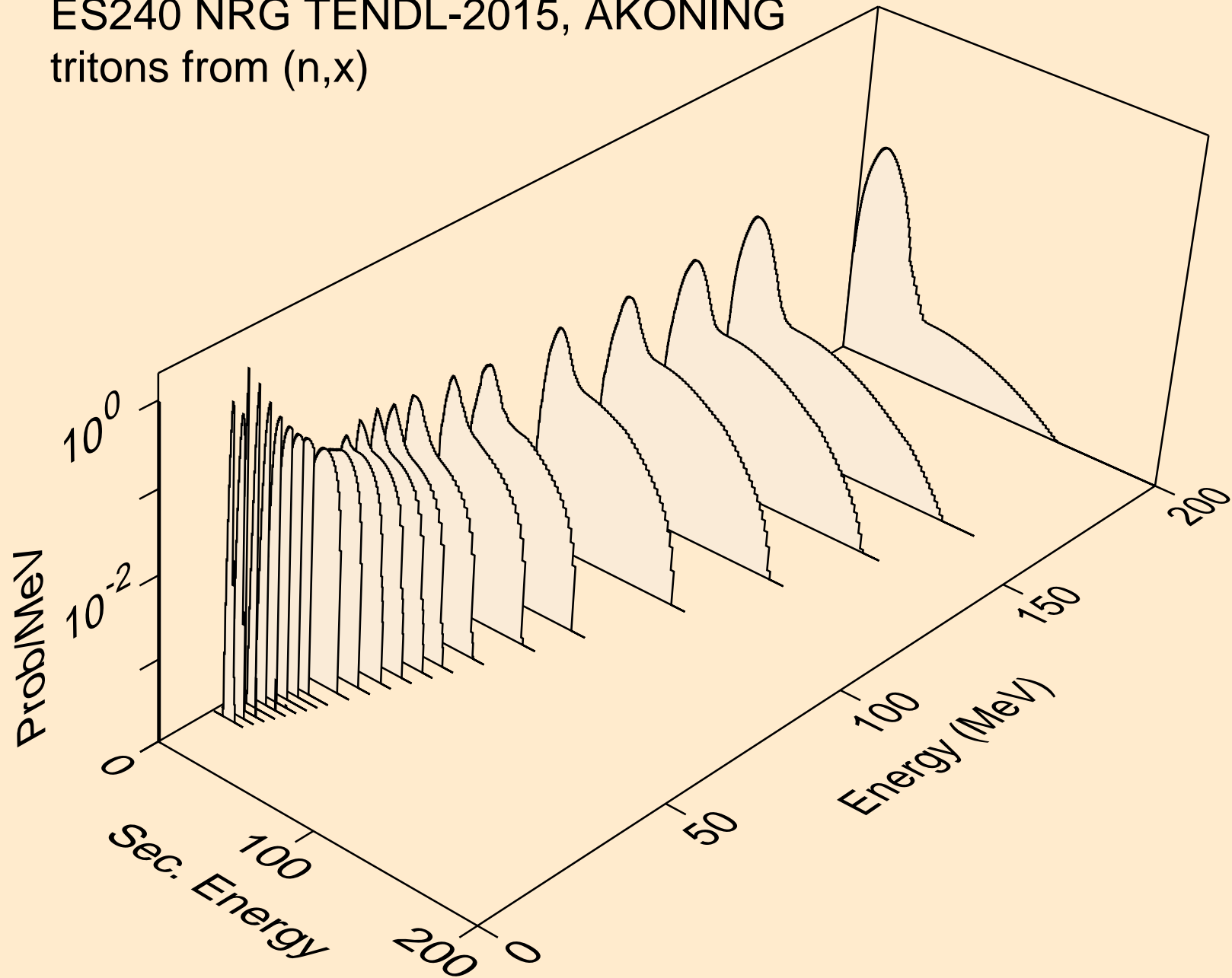
ES240 NRG TENDL-2015, AKONING  
deuterons from (n,pd)



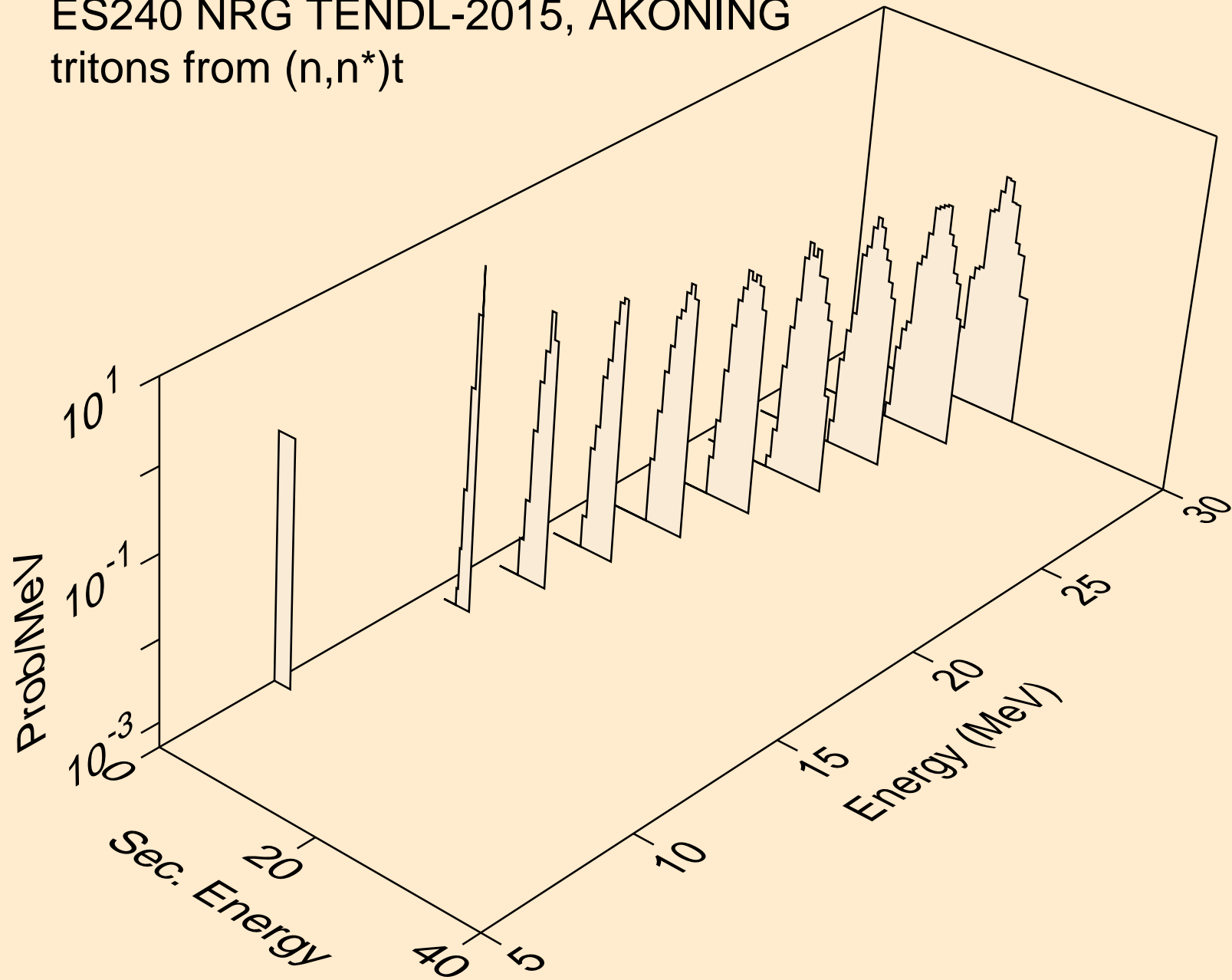
ES240 NRG TENDL-2015, AKONING  
deuterons from (n,da)



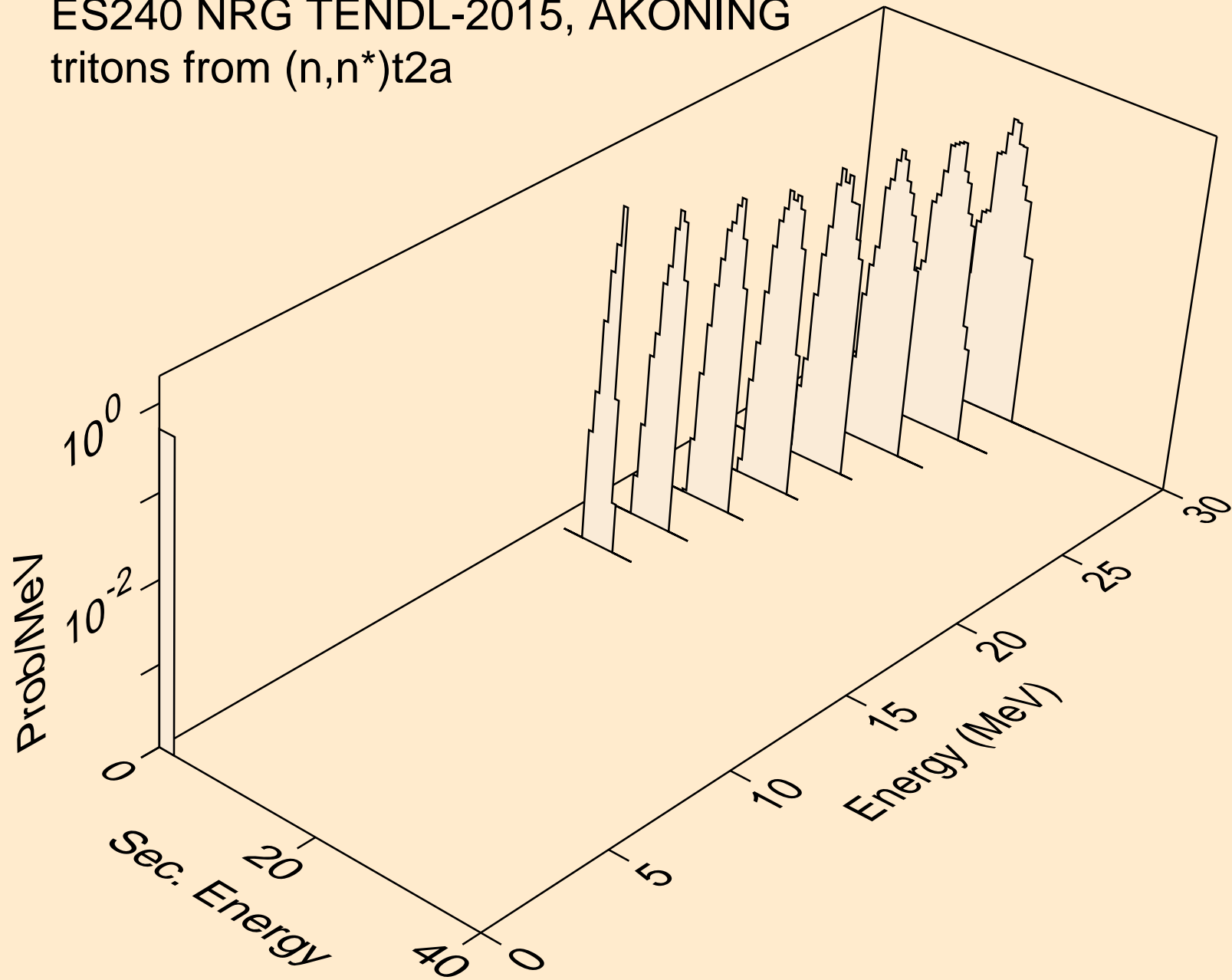
ES240 NRG TENDL-2015, AKONING  
tritons from (n,x)



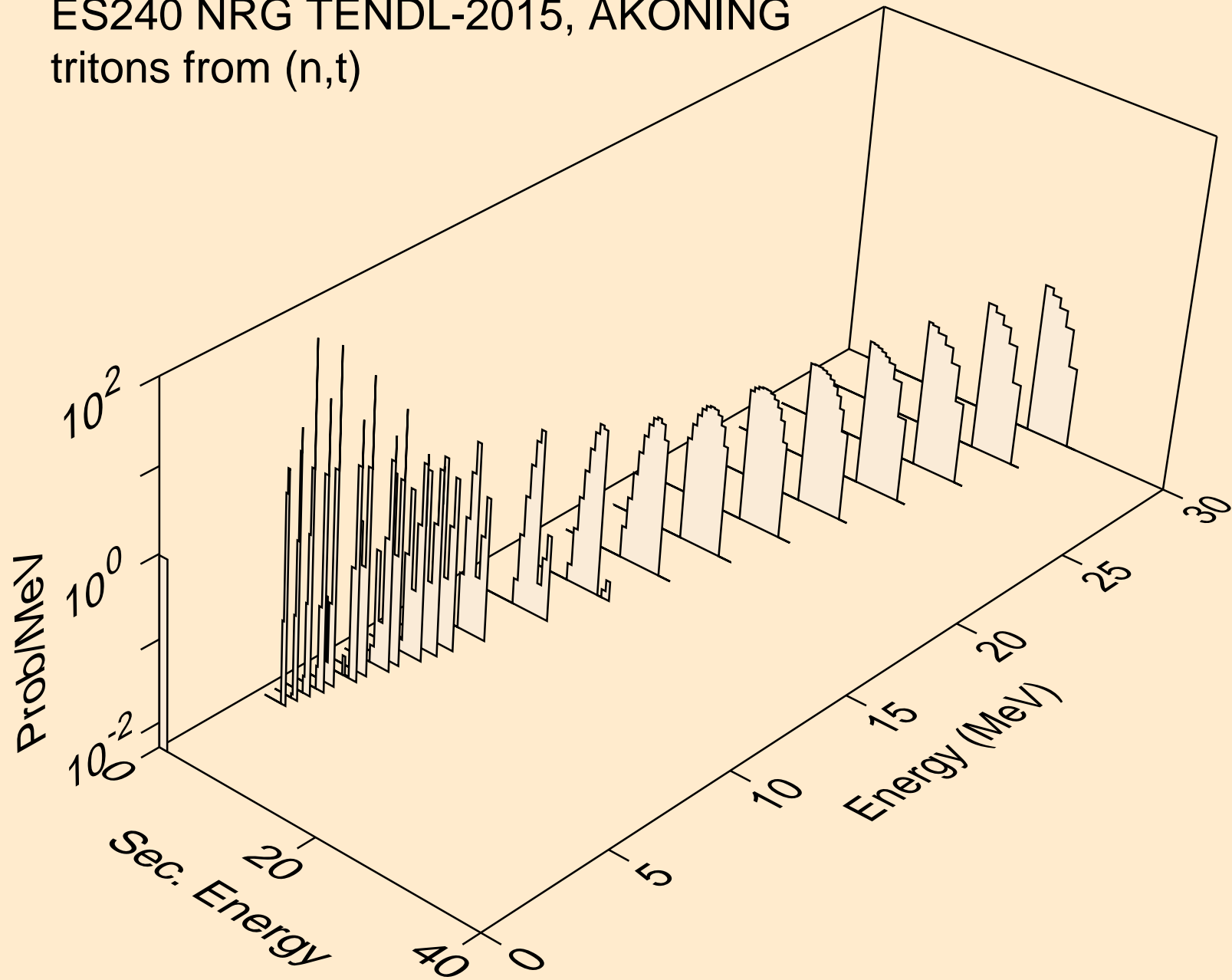
ES240 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



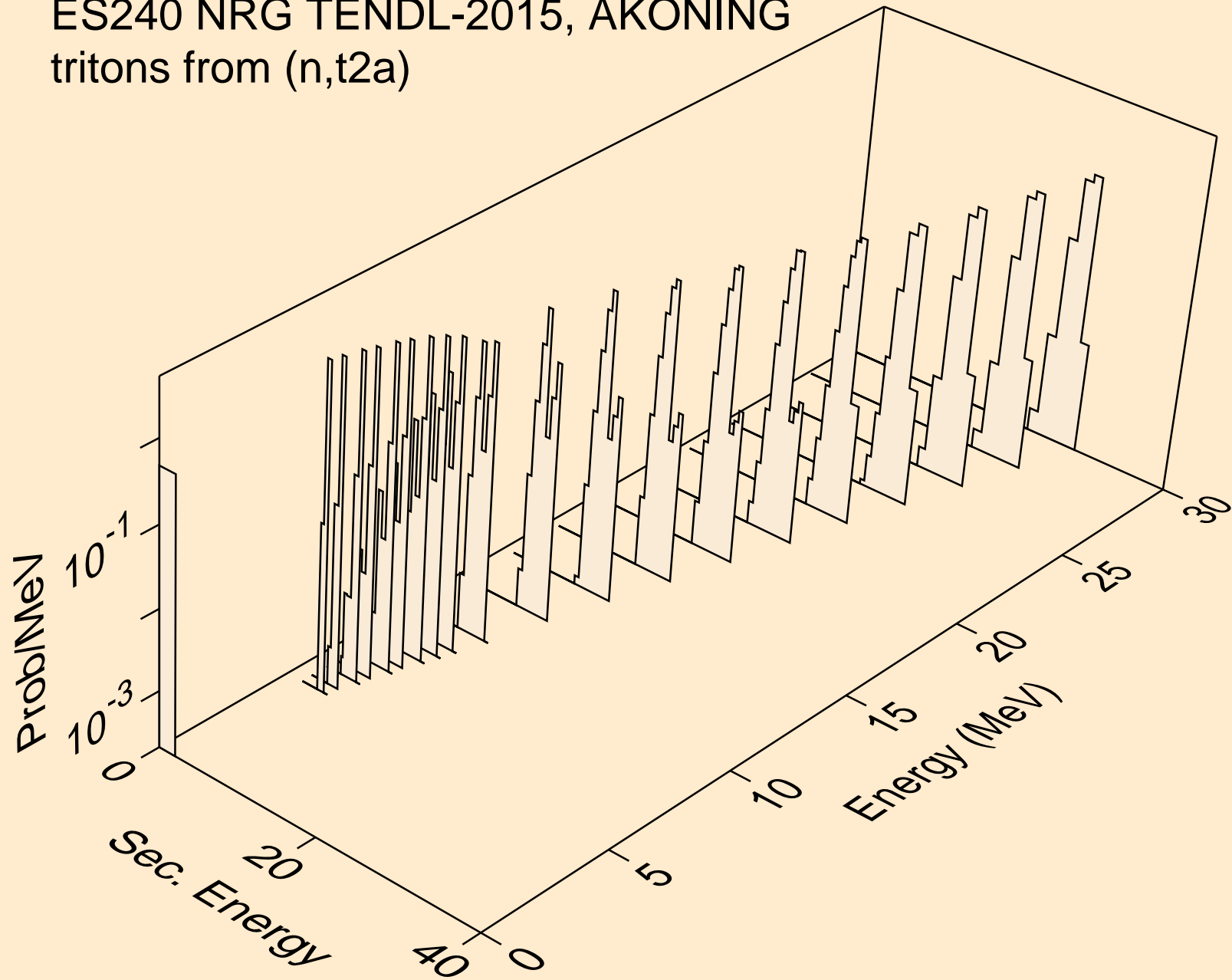
ES240 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t2a



ES240 NRG TENDL-2015, AKONING  
tritons from (n,t)

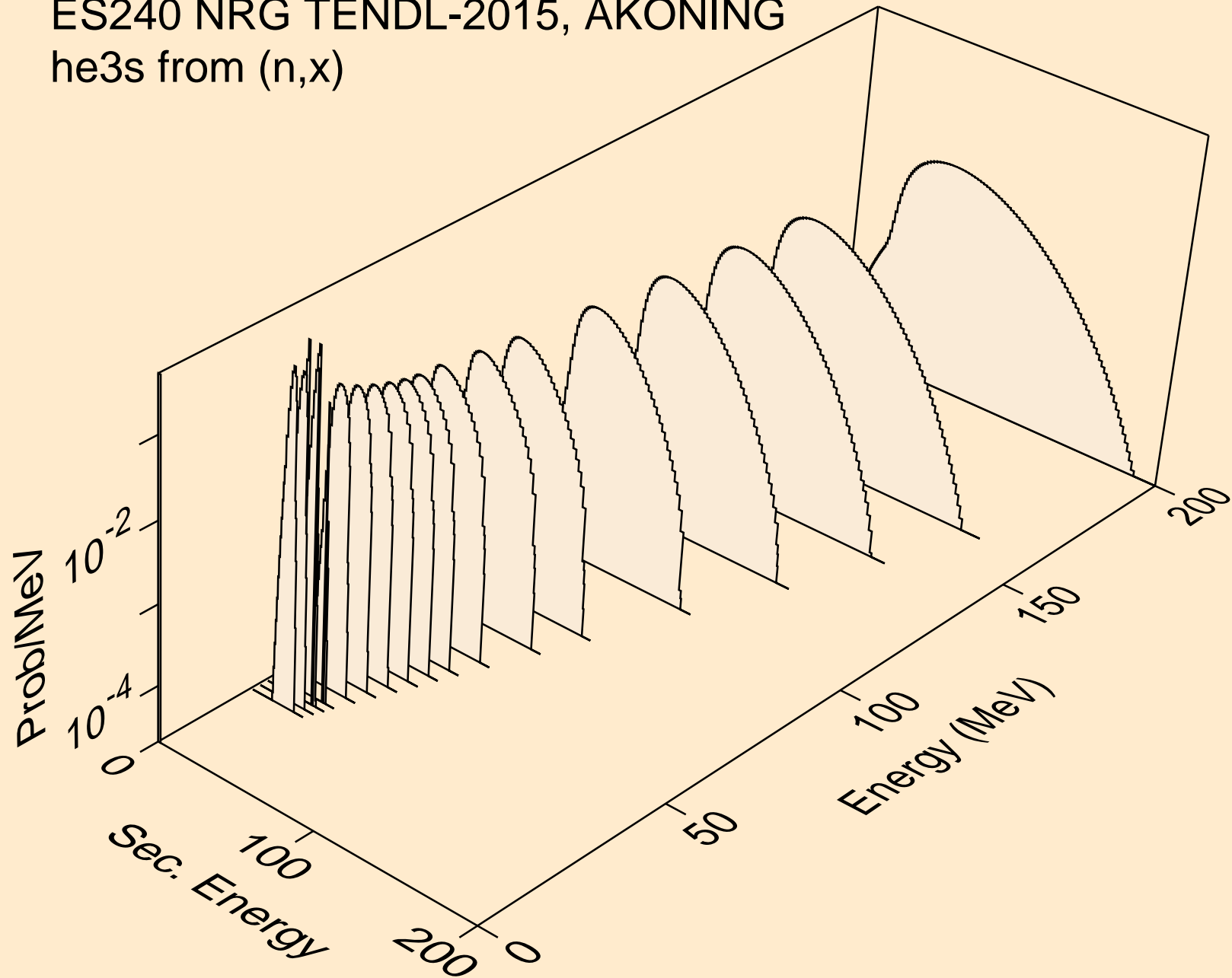


ES240 NRG TENDL-2015, AKONING  
tritons from (n,t2a)

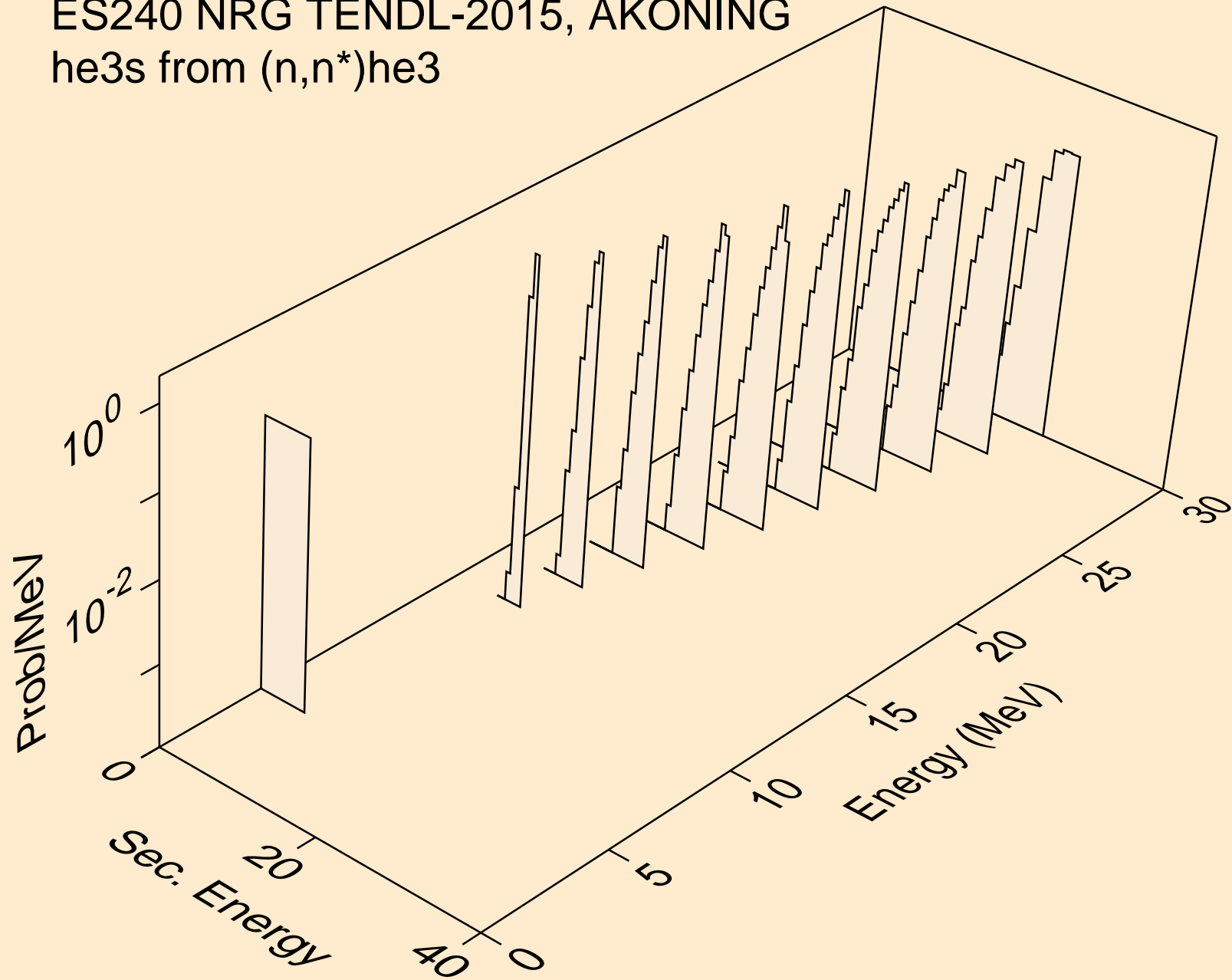




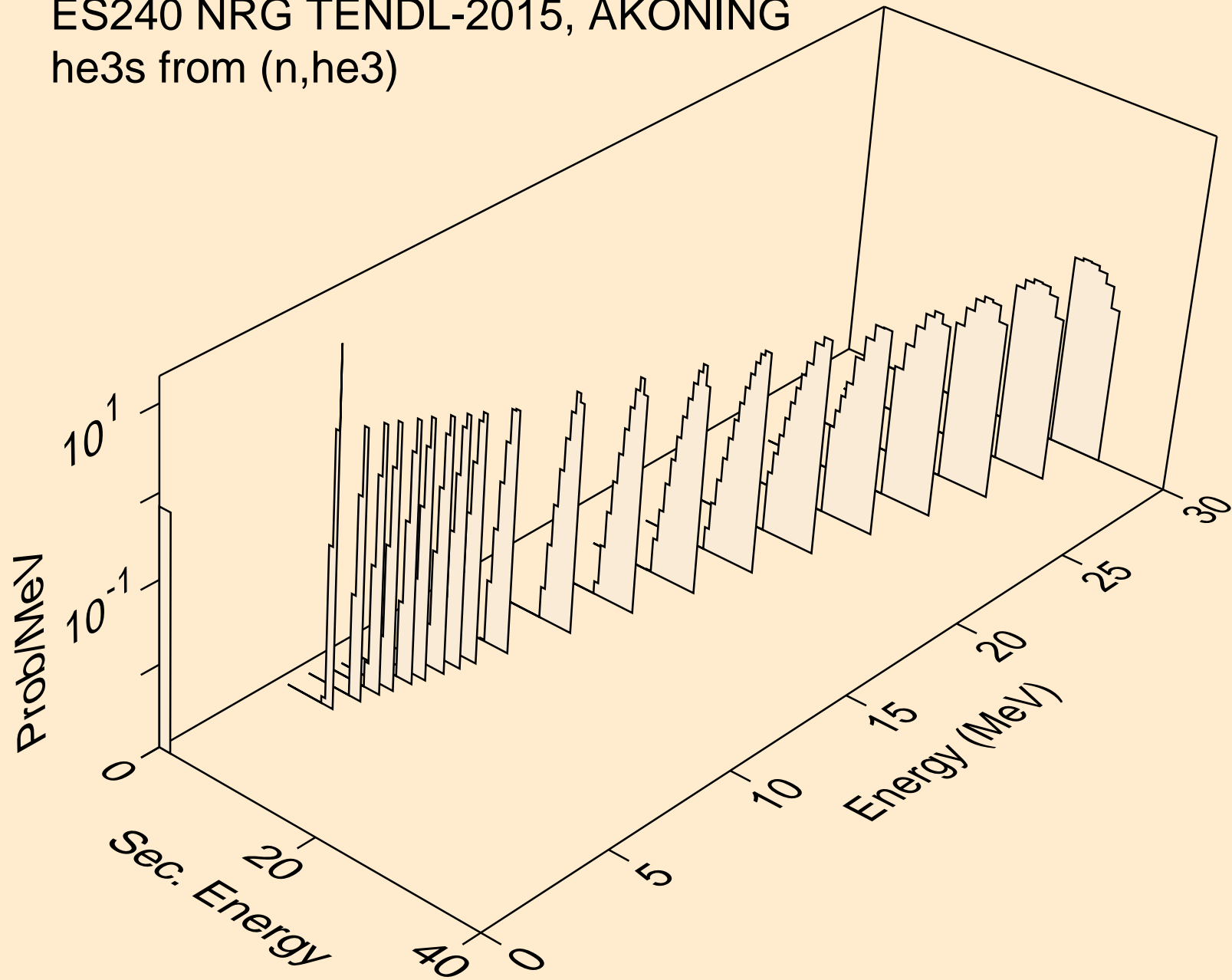
ES240 NRG TENDL-2015, AKONING  
he3s from (n,x)



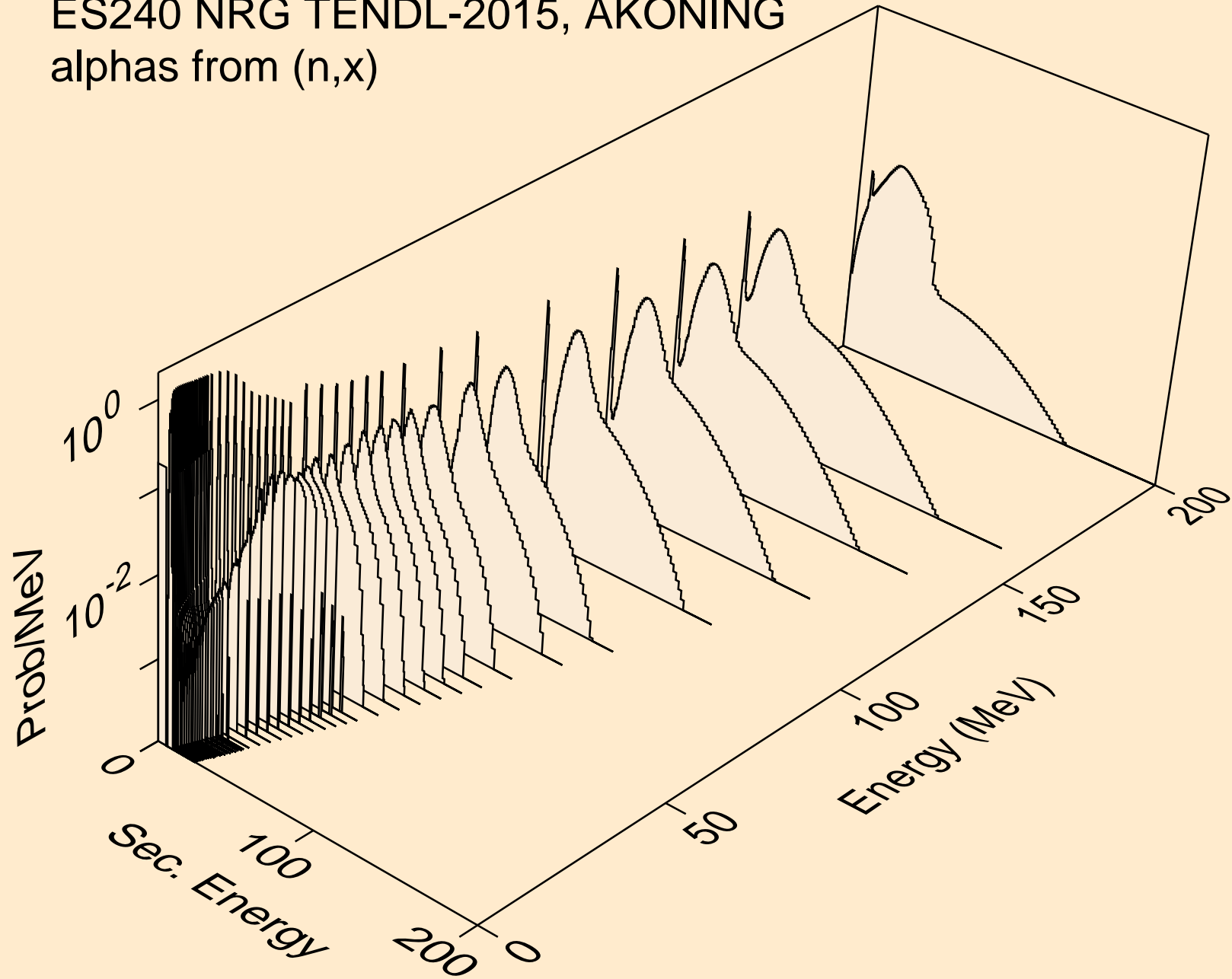
ES240 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



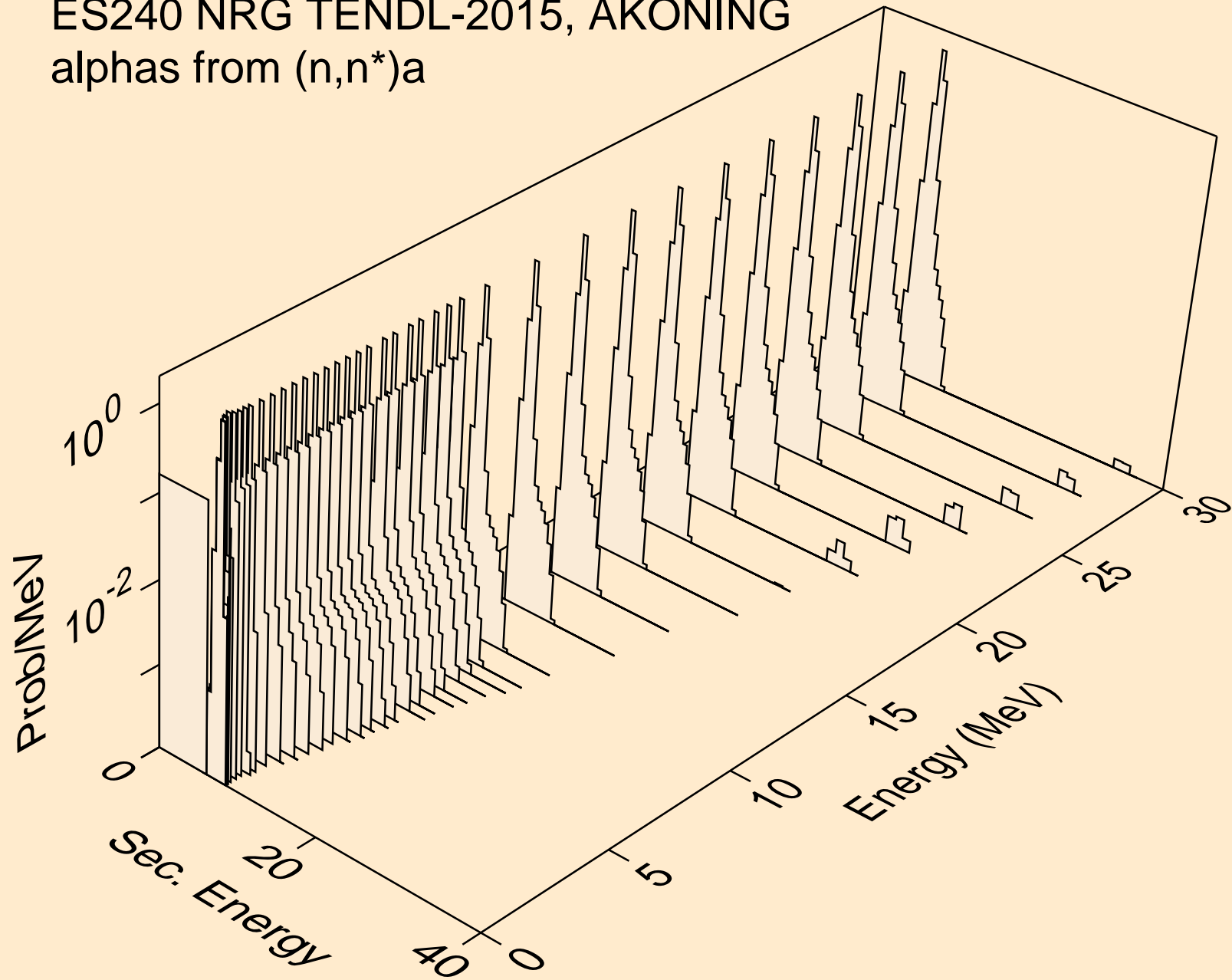
ES240 NRG TENDL-2015, AKONING  
he3s from (n,he3)



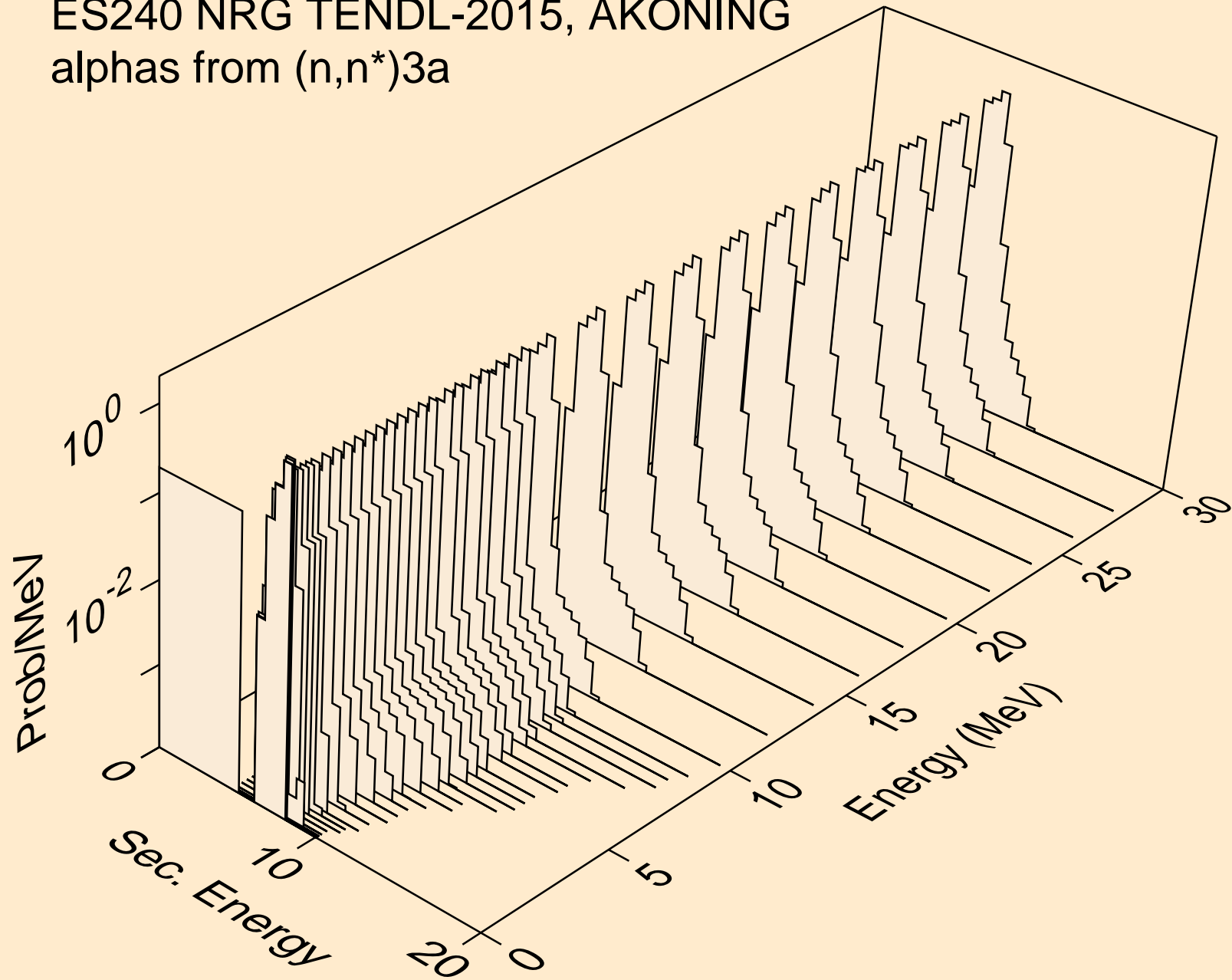
ES240 NRG TENDL-2015, AKONING  
alphas from (n,x)



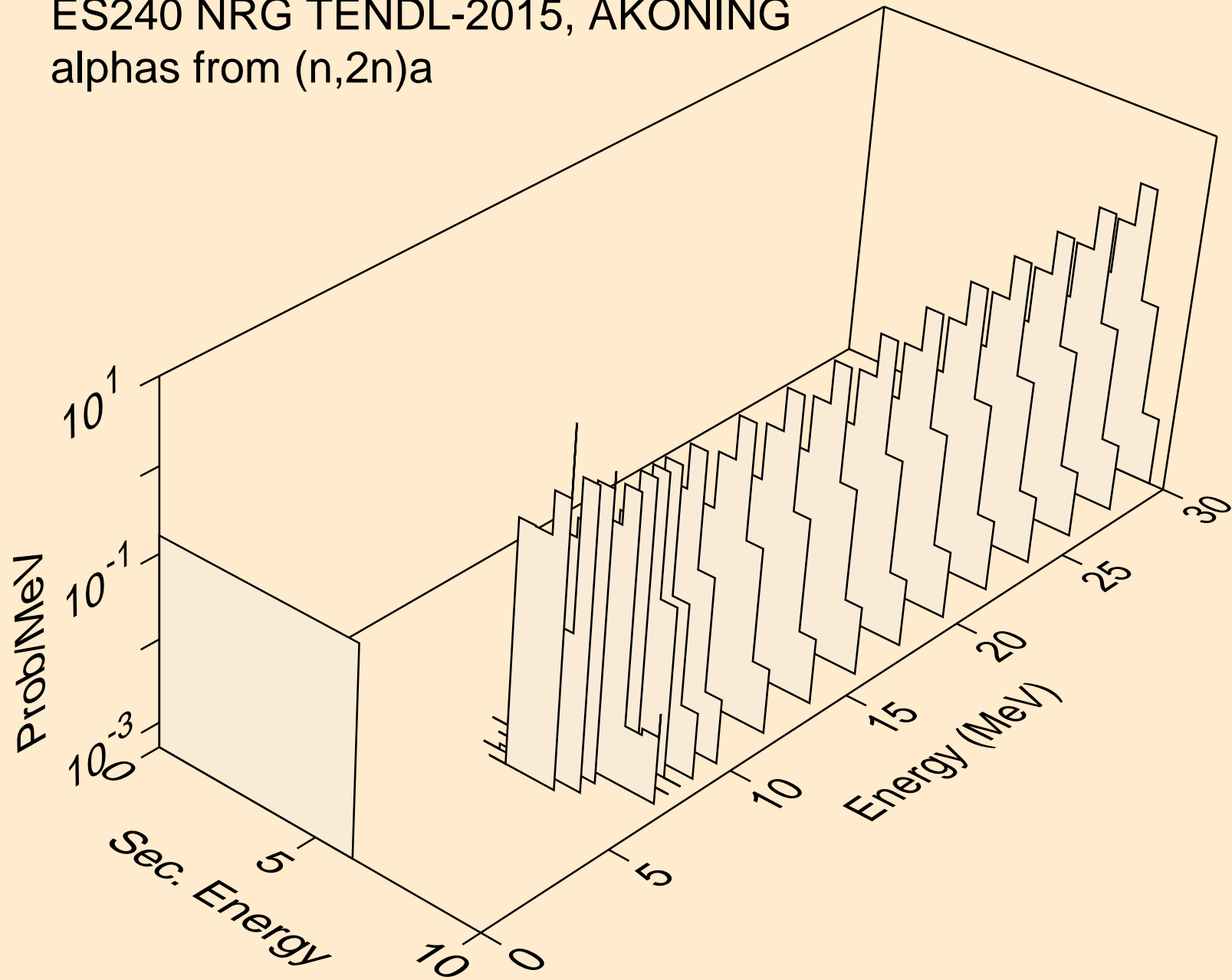
ES240 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



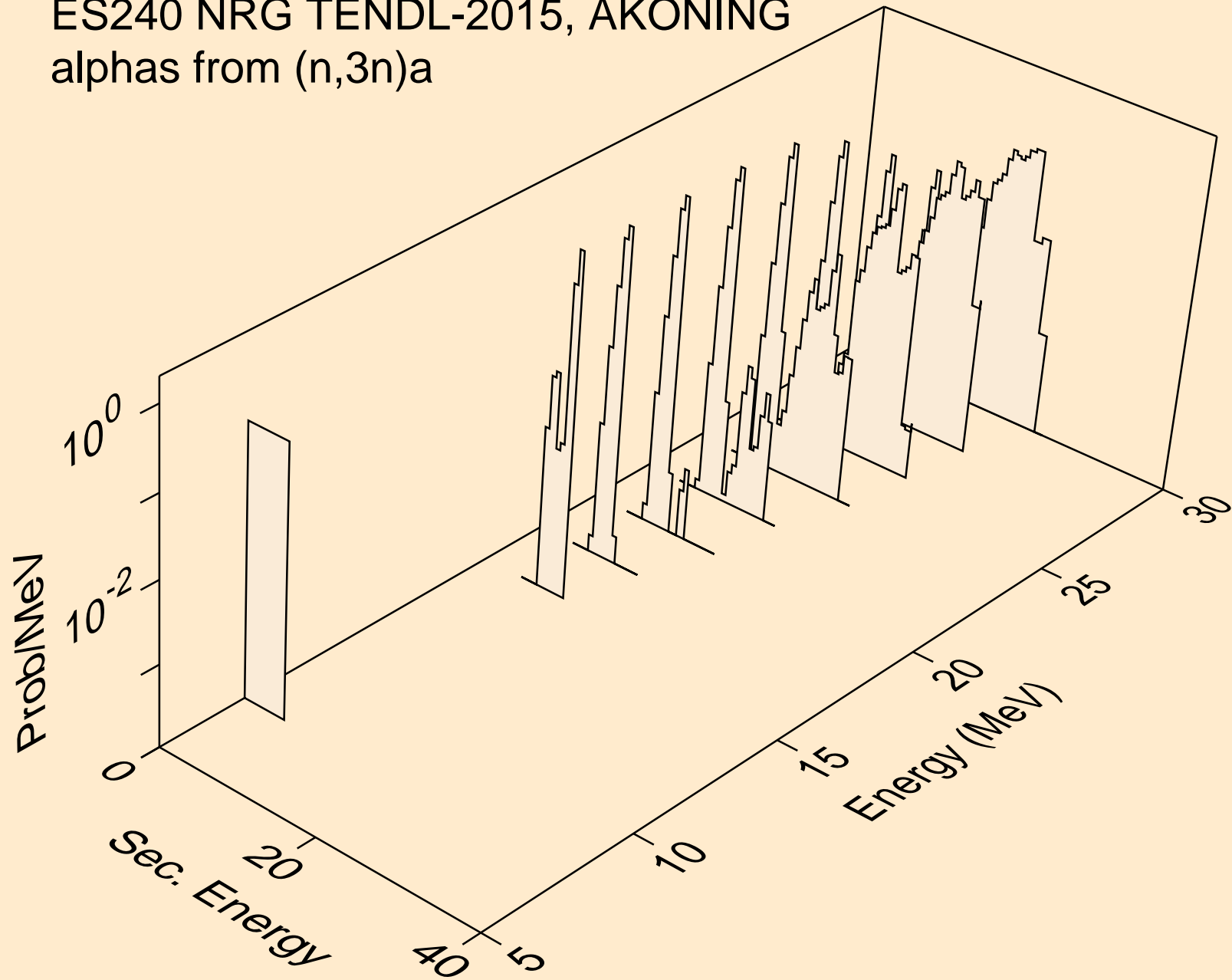
ES240 NRG TENDL-2015, AKONING  
alphas from (n,n\*)3a



ES240 NRG TENDL-2015, AKONING  
alphas from (n,2n)a

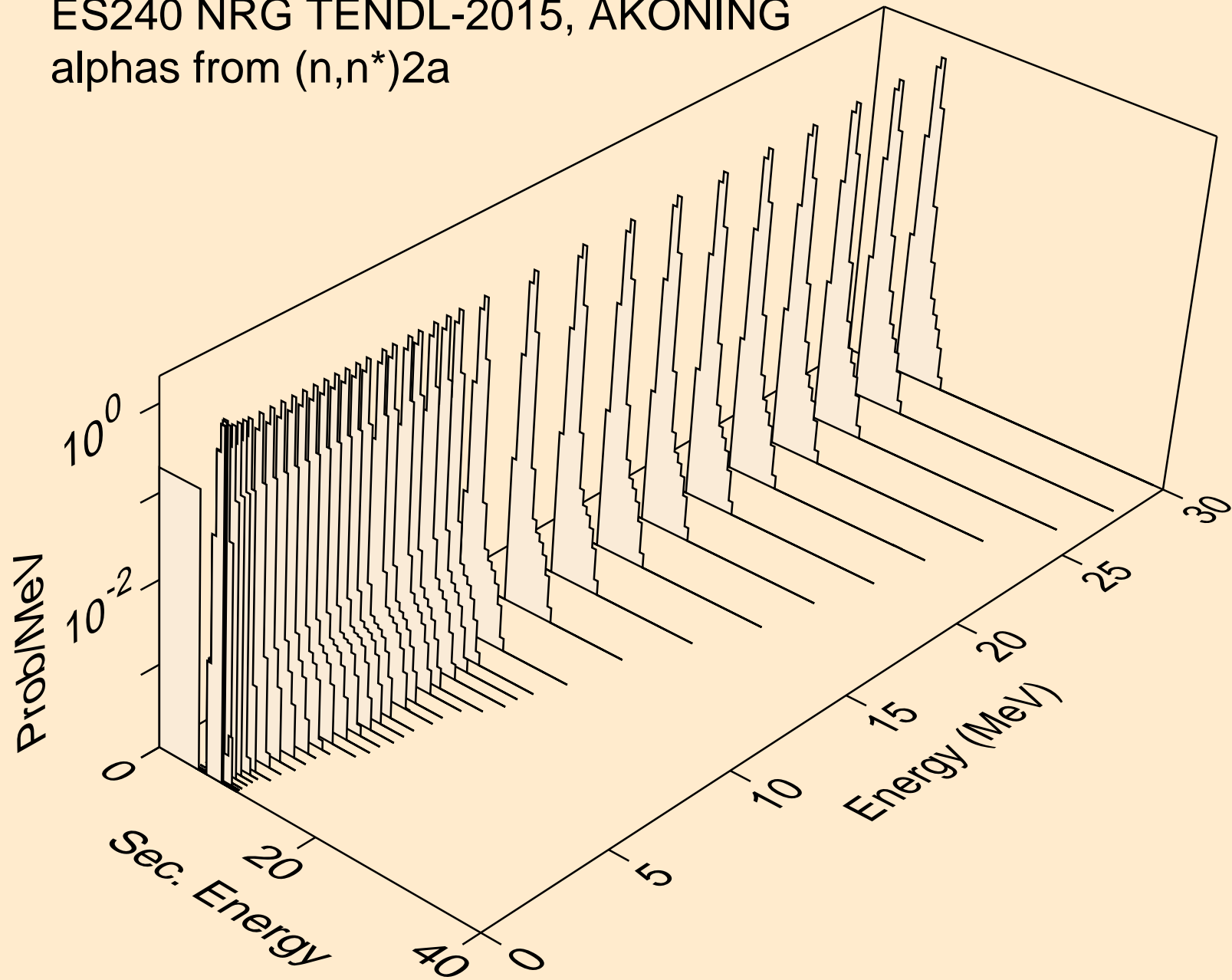


ES240 NRG TENDL-2015, AKONING  
alphas from (n,3n)a

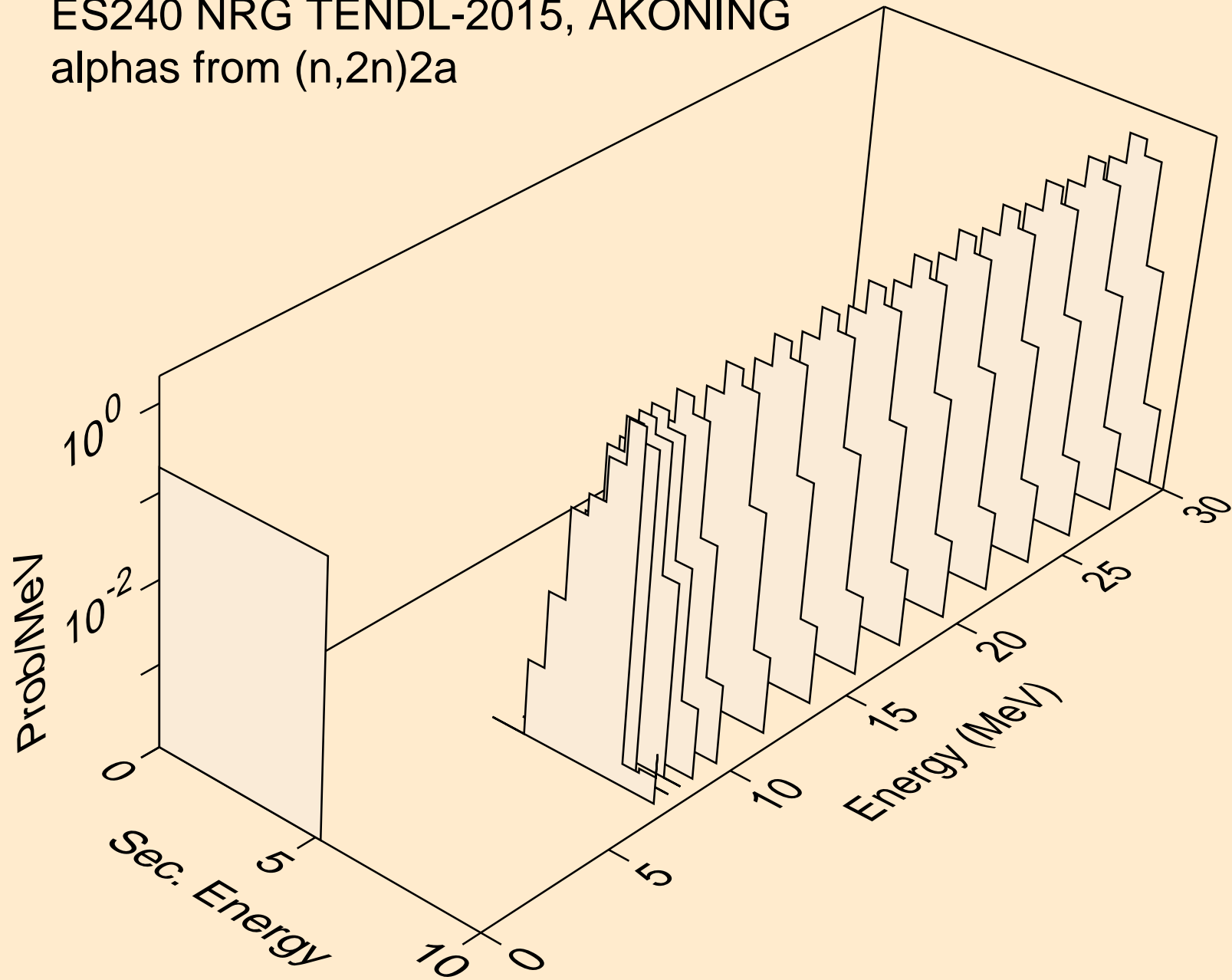




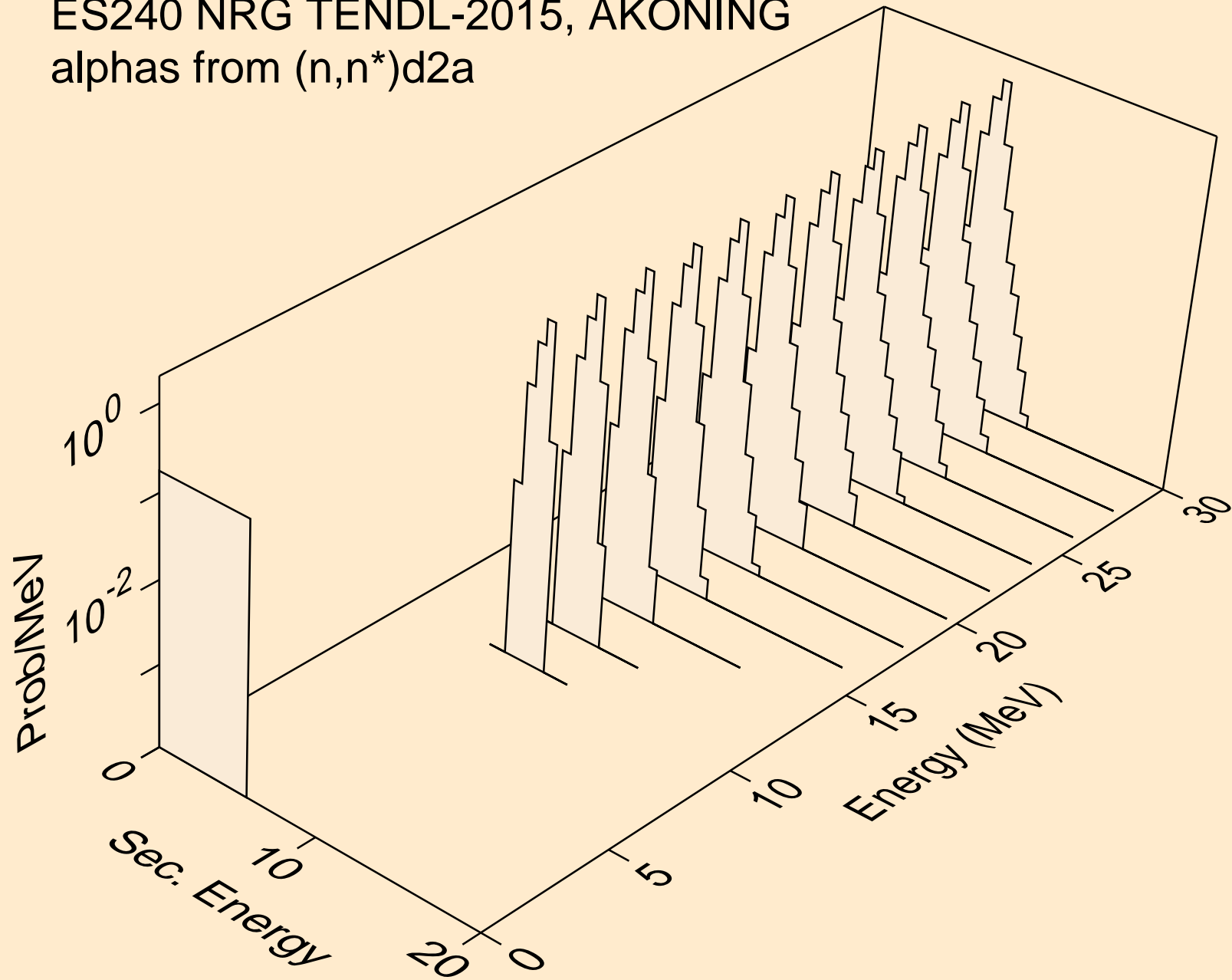
ES240 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



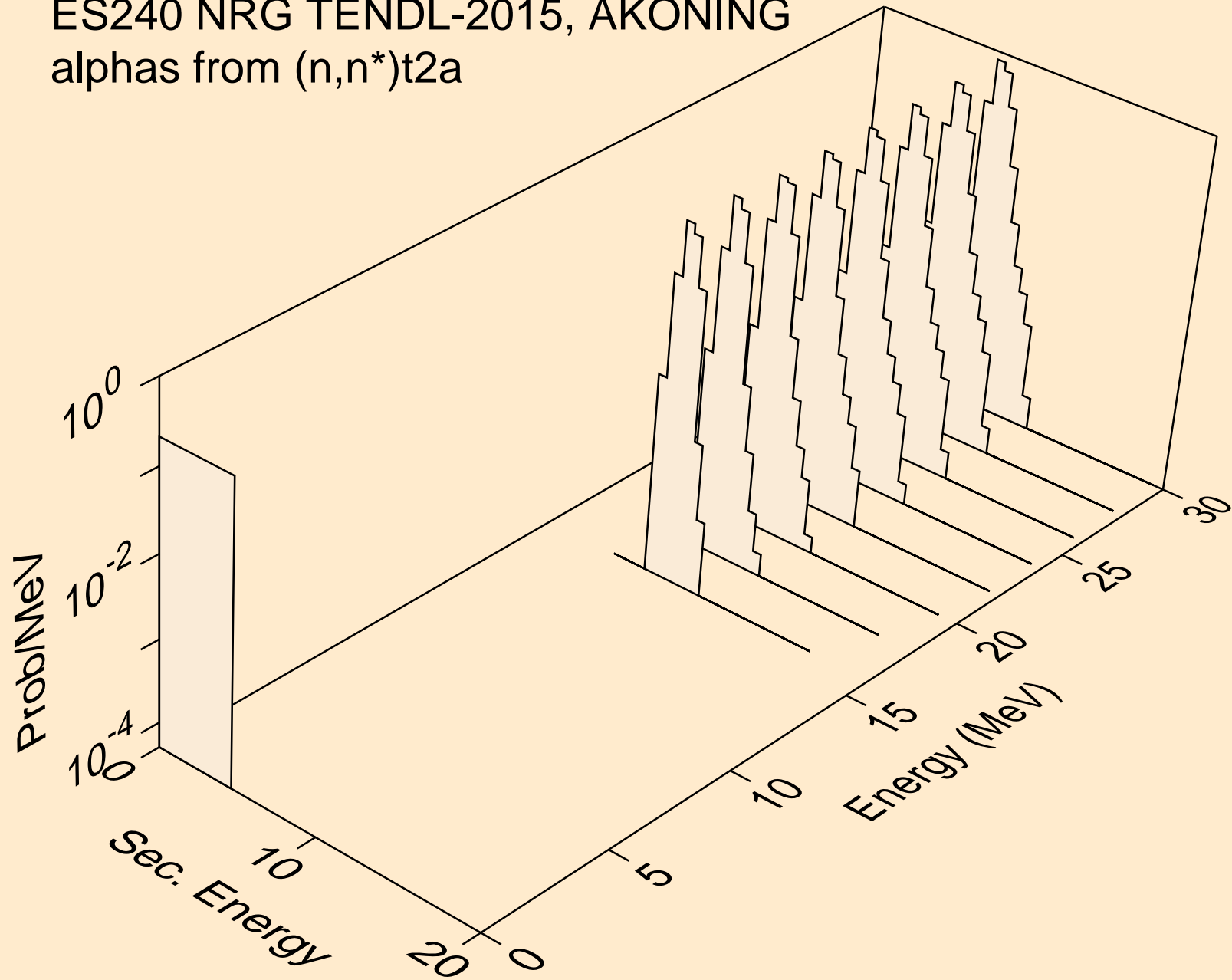
ES240 NRG TENDL-2015, AKONING  
alphas from (n,2n)2a



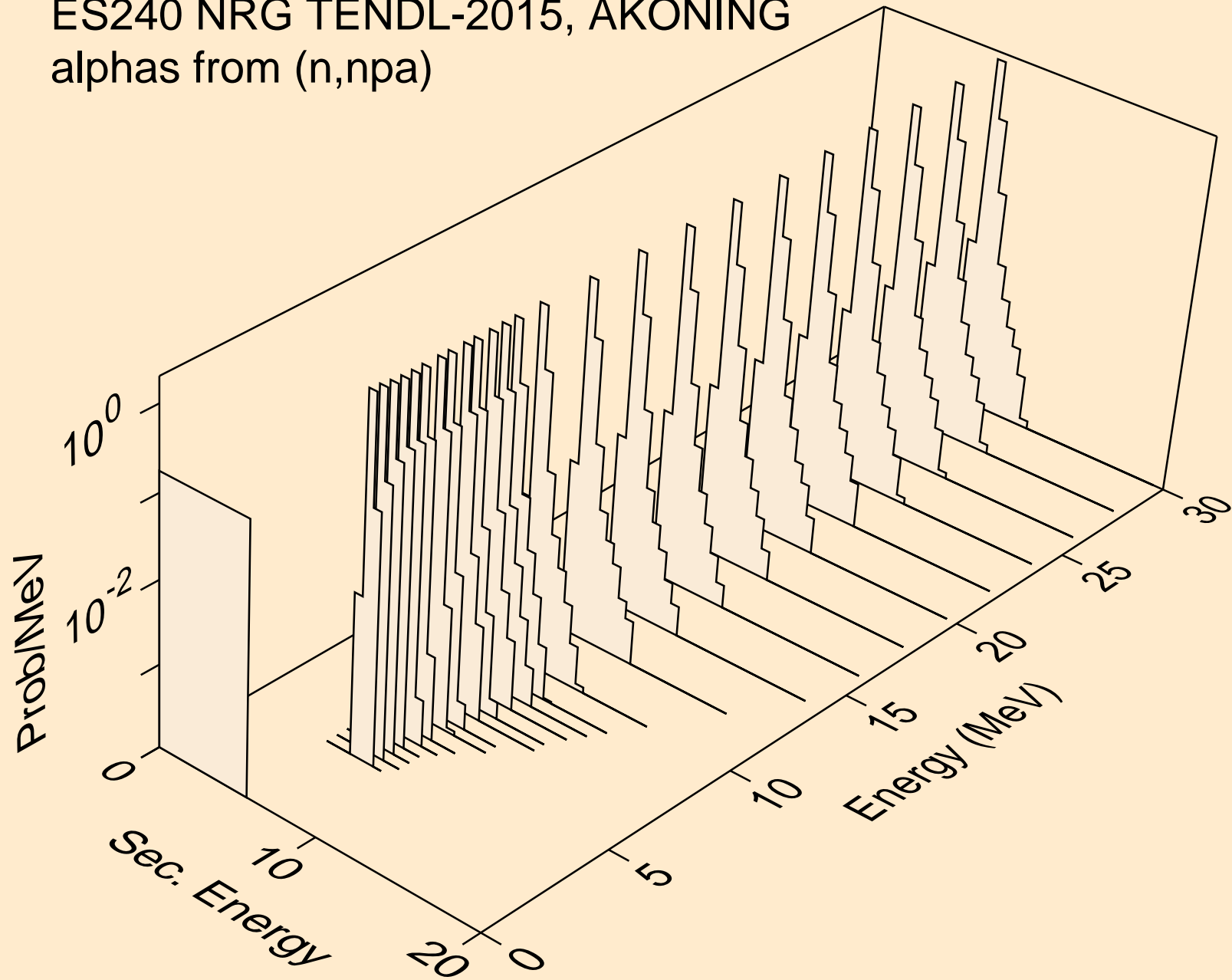
ES240 NRG TENDL-2015, AKONING  
alphas from (n,n\*)d2a



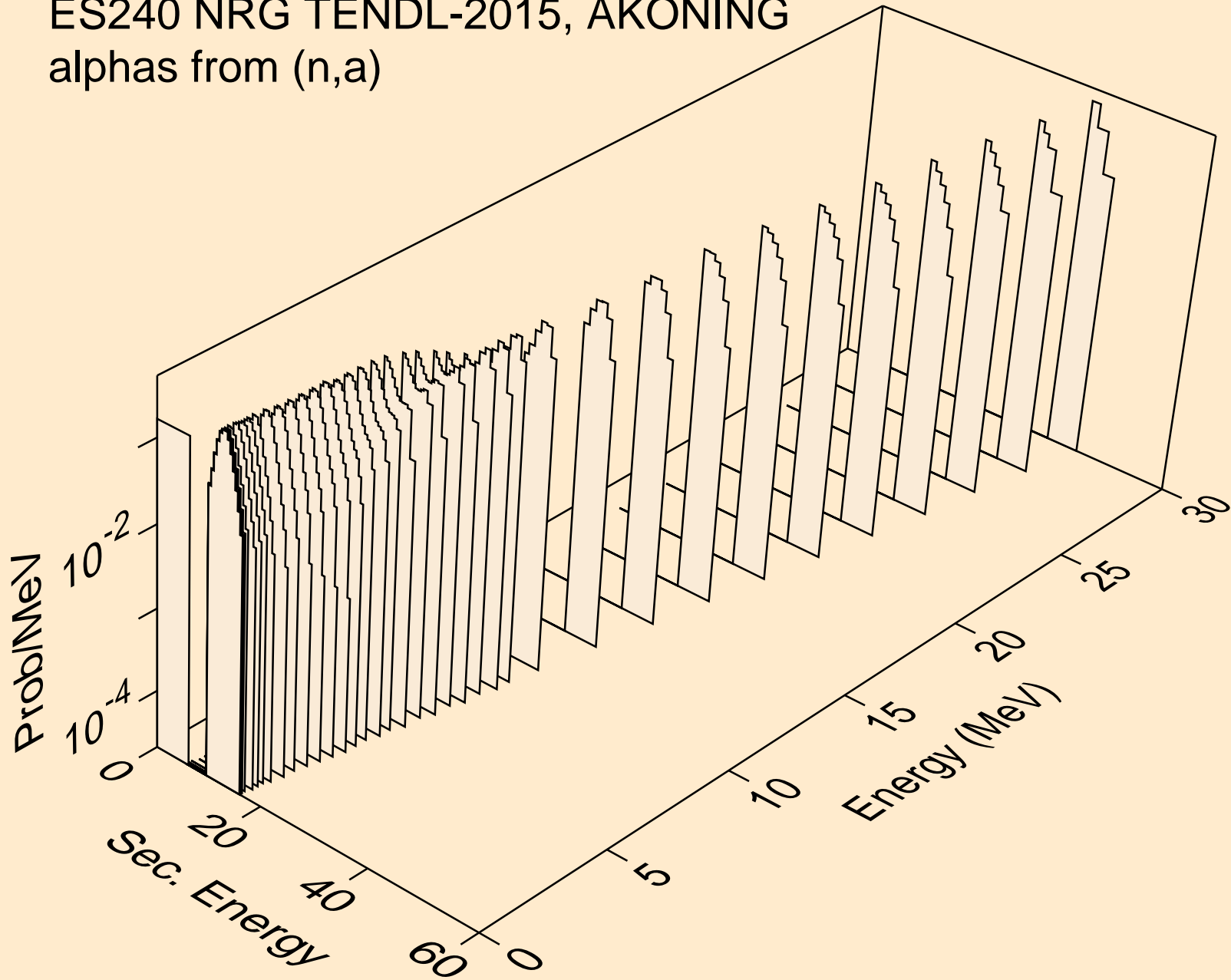
ES240 NRG TENDL-2015, AKONING  
alphas from (n,n\*)t2a



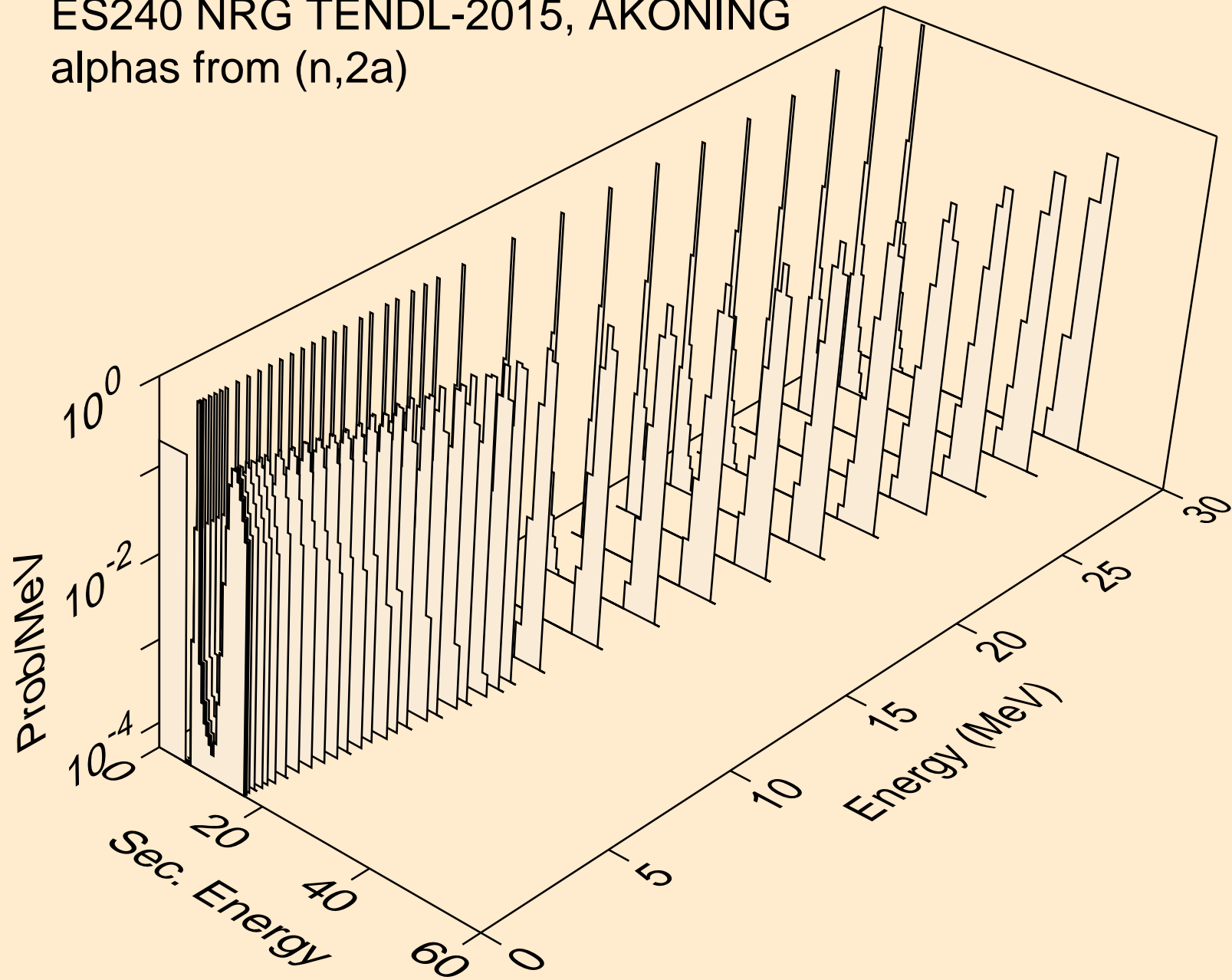
ES240 NRG TENDL-2015, AKONING  
alphas from (n,npa)



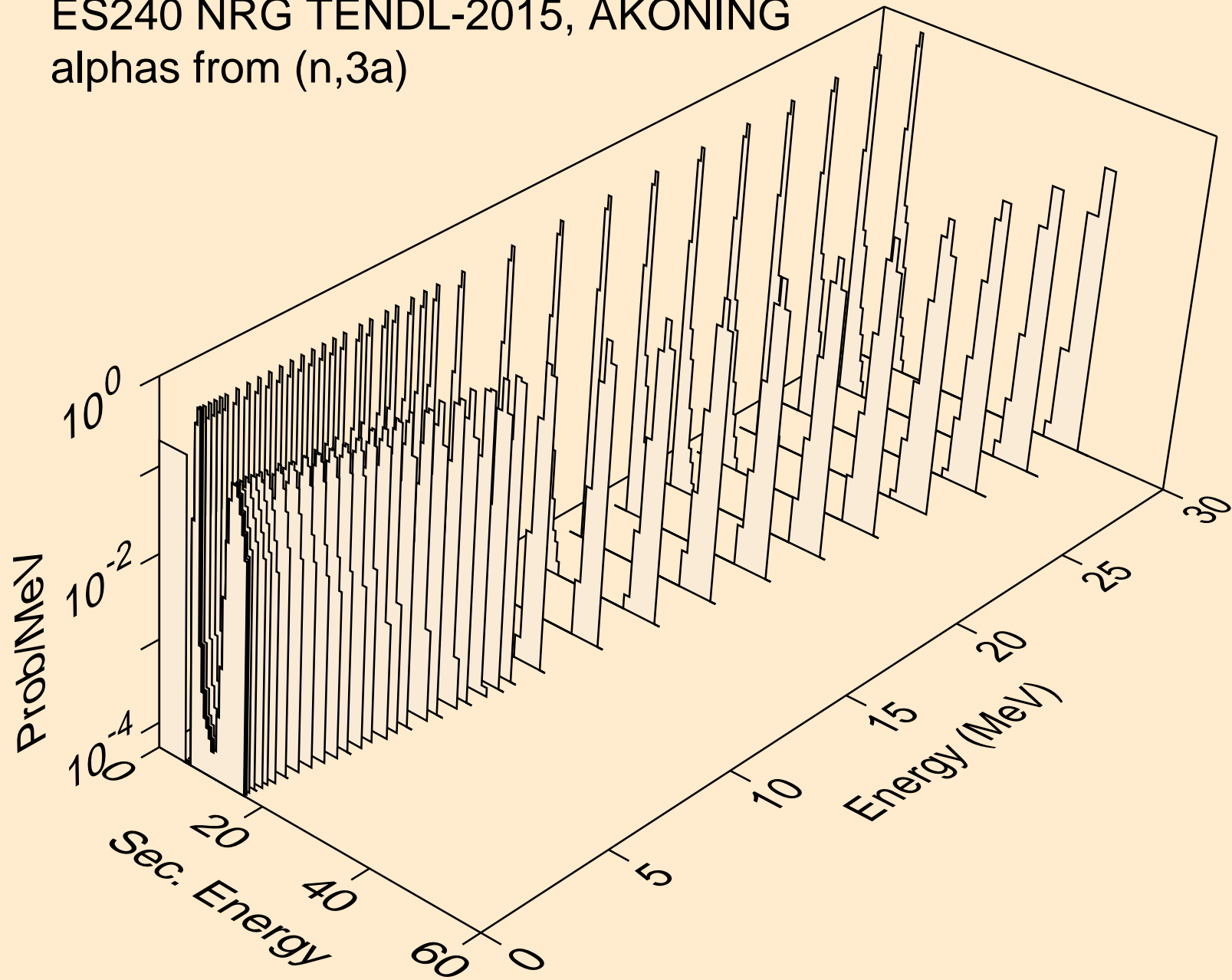
ES240 NRG TENDL-2015, AKONING  
alphas from (n,a)



ES240 NRG TENDL-2015, AKONING  
alphas from (n,2a)

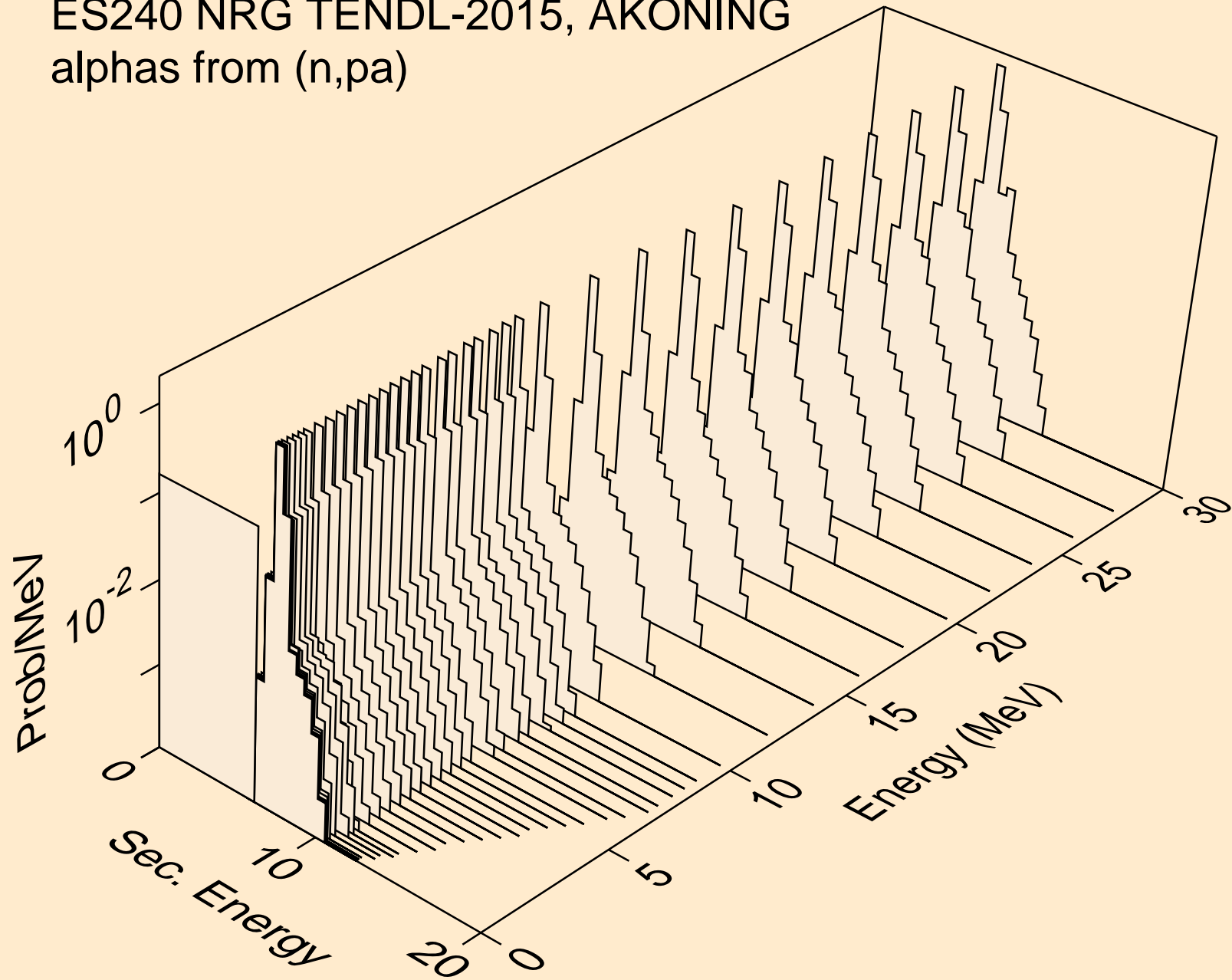


ES240 NRG TENDL-2015, AKONING  
alphas from (n,3a)

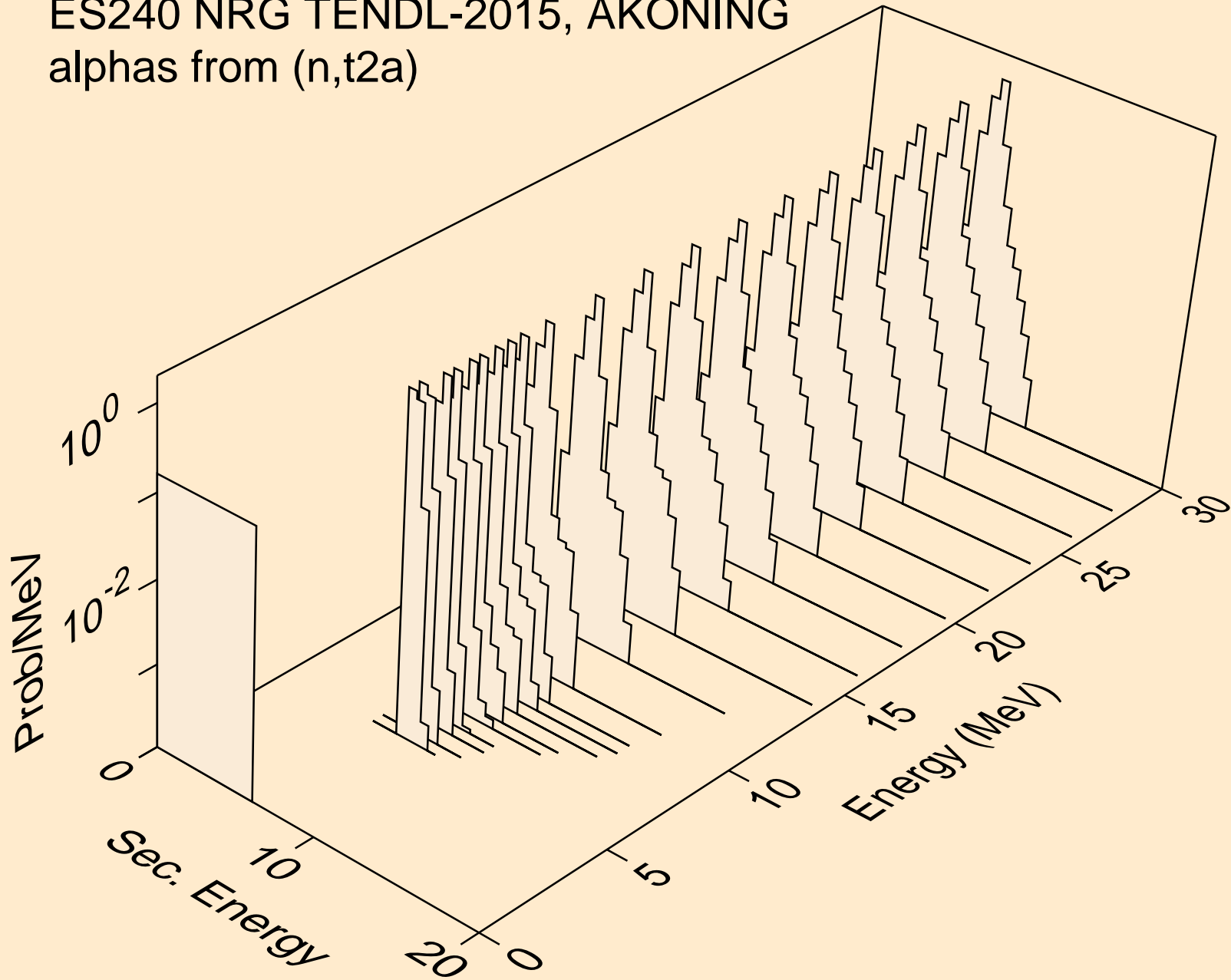




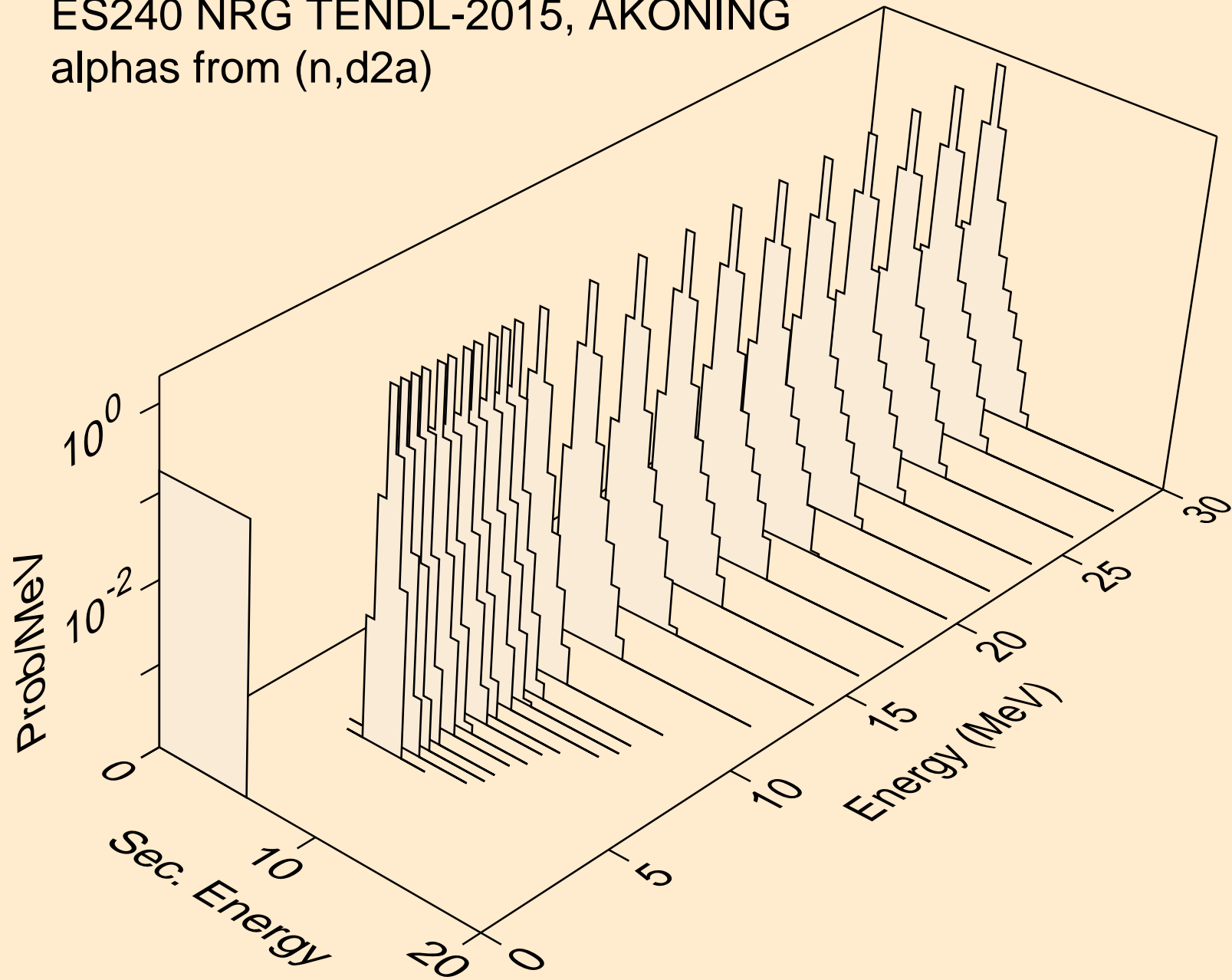
ES240 NRG TENDL-2015, AKONING  
alphas from (n,pa)



ES240 NRG TENDL-2015, AKONING  
alphas from (n,t2a)



ES240 NRG TENDL-2015, AKONING  
alphas from (n,d2a)



ES240 NRG TENDL-2015, AKONING  
alphas from (n,da)

