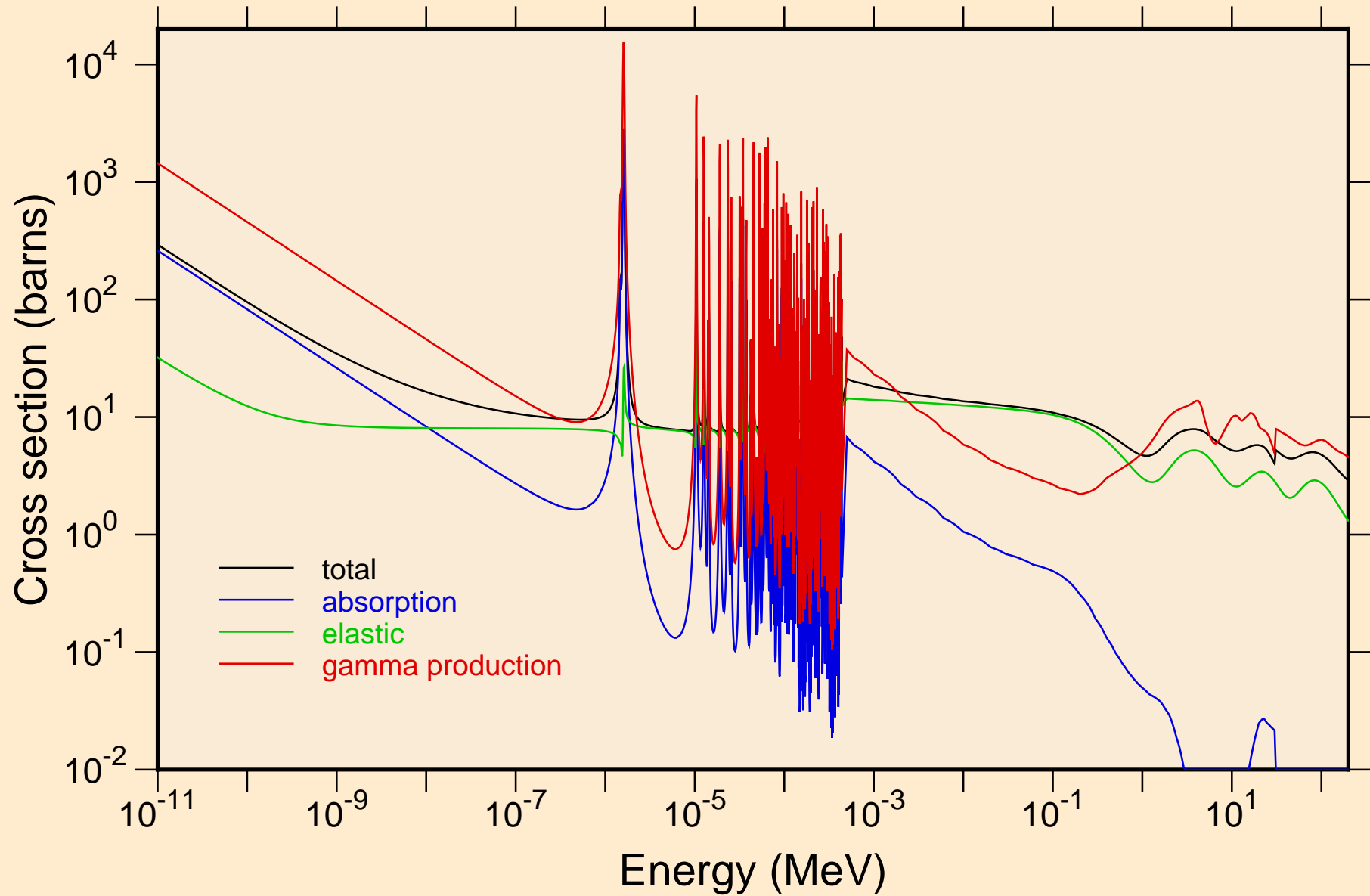
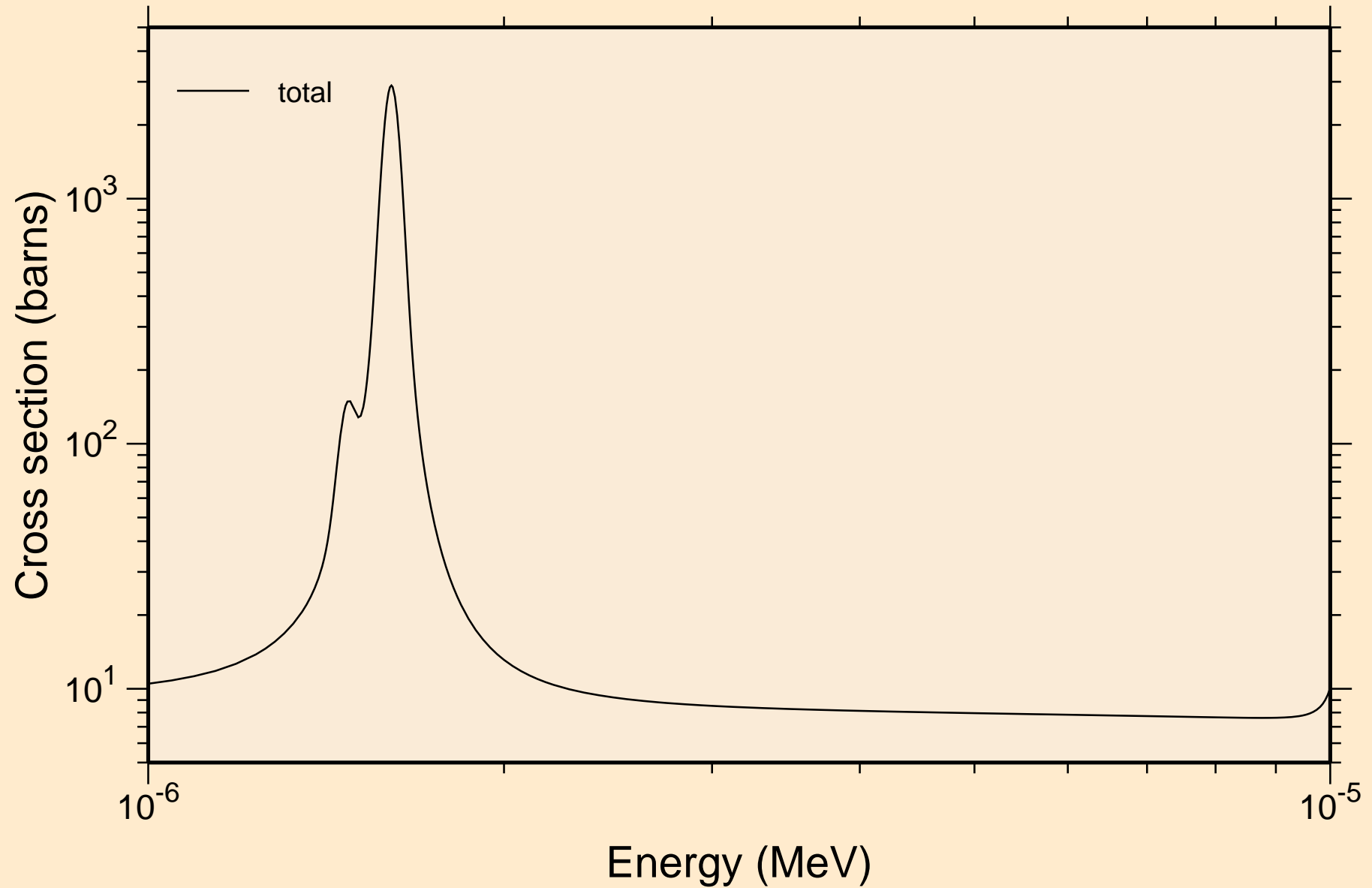


# AT220 NRG TENDL-2015, AKONING

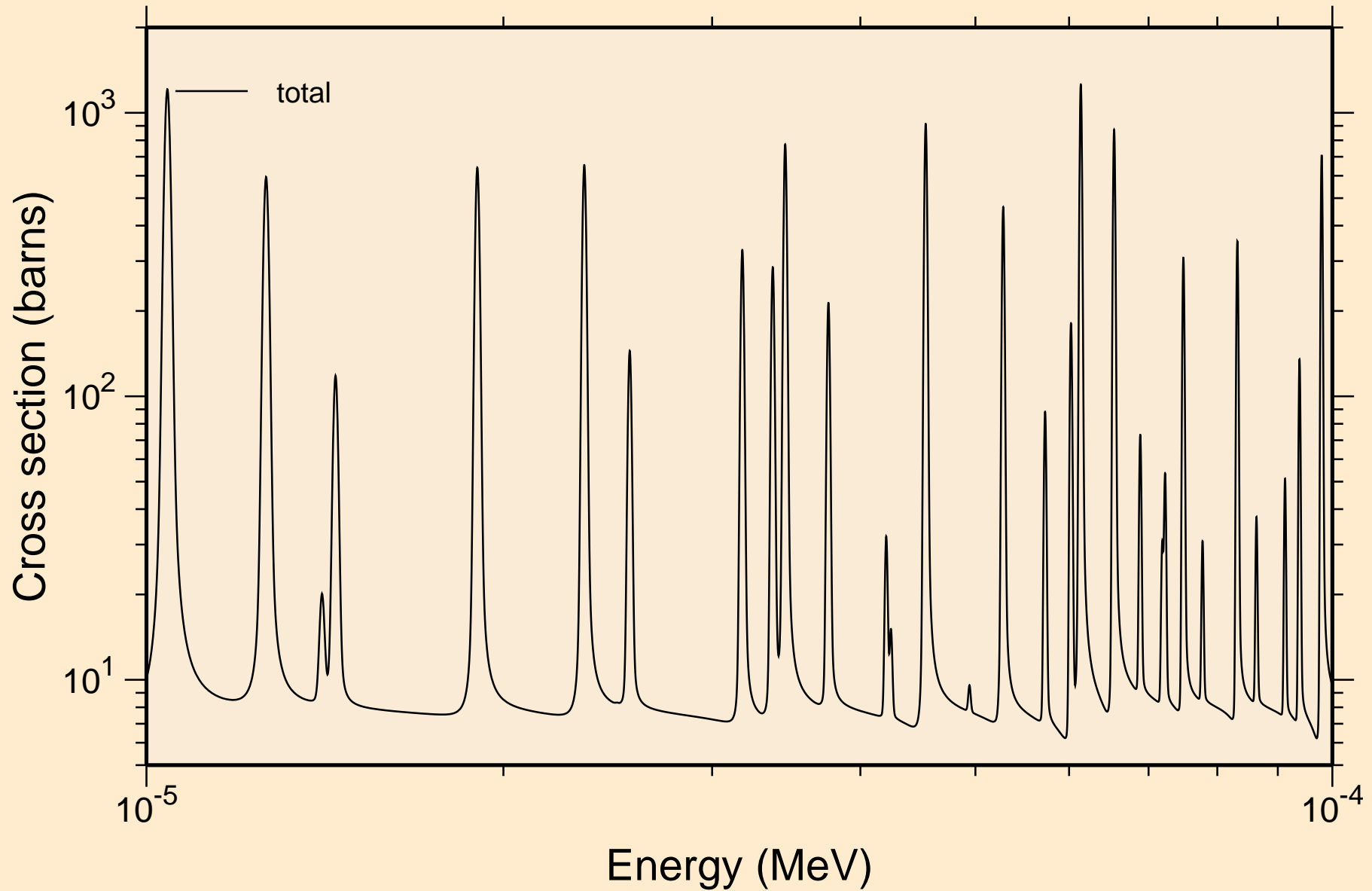
## Principal cross sections



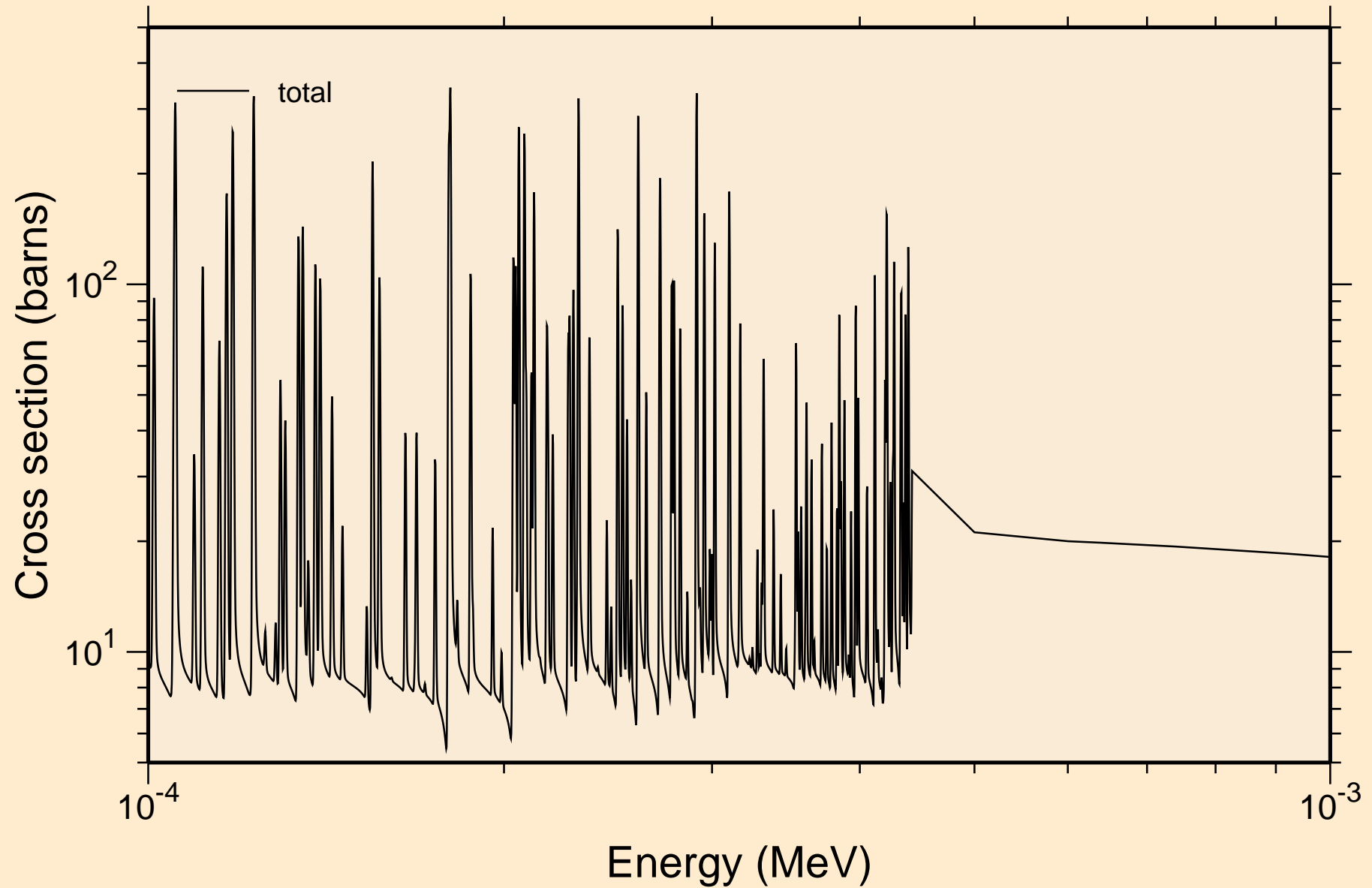
AT220 NRG TENDL-2015, AKONING  
resonance total cross section



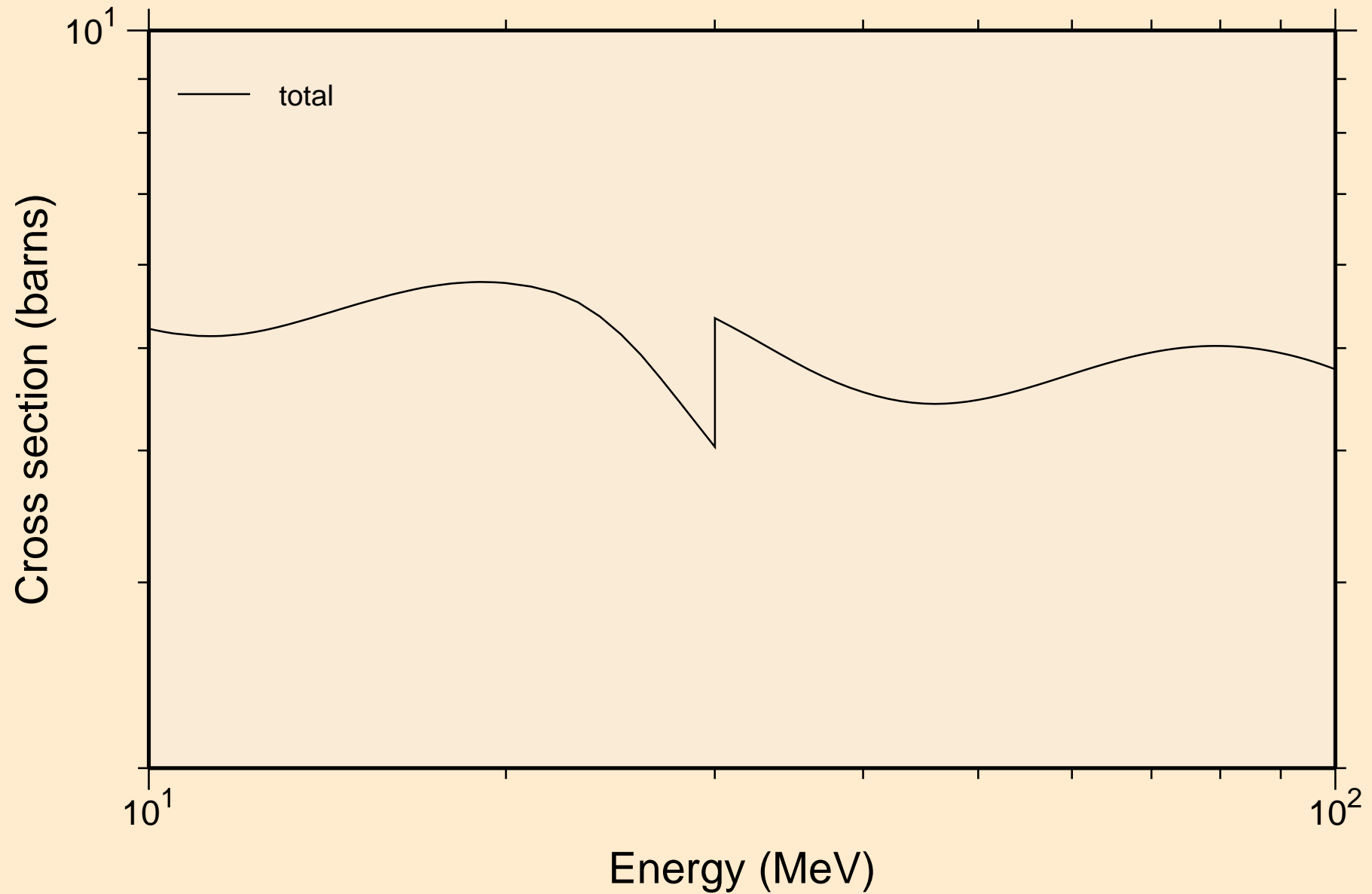
AT220 NRG TENDL-2015, AKONING  
resonance total cross section



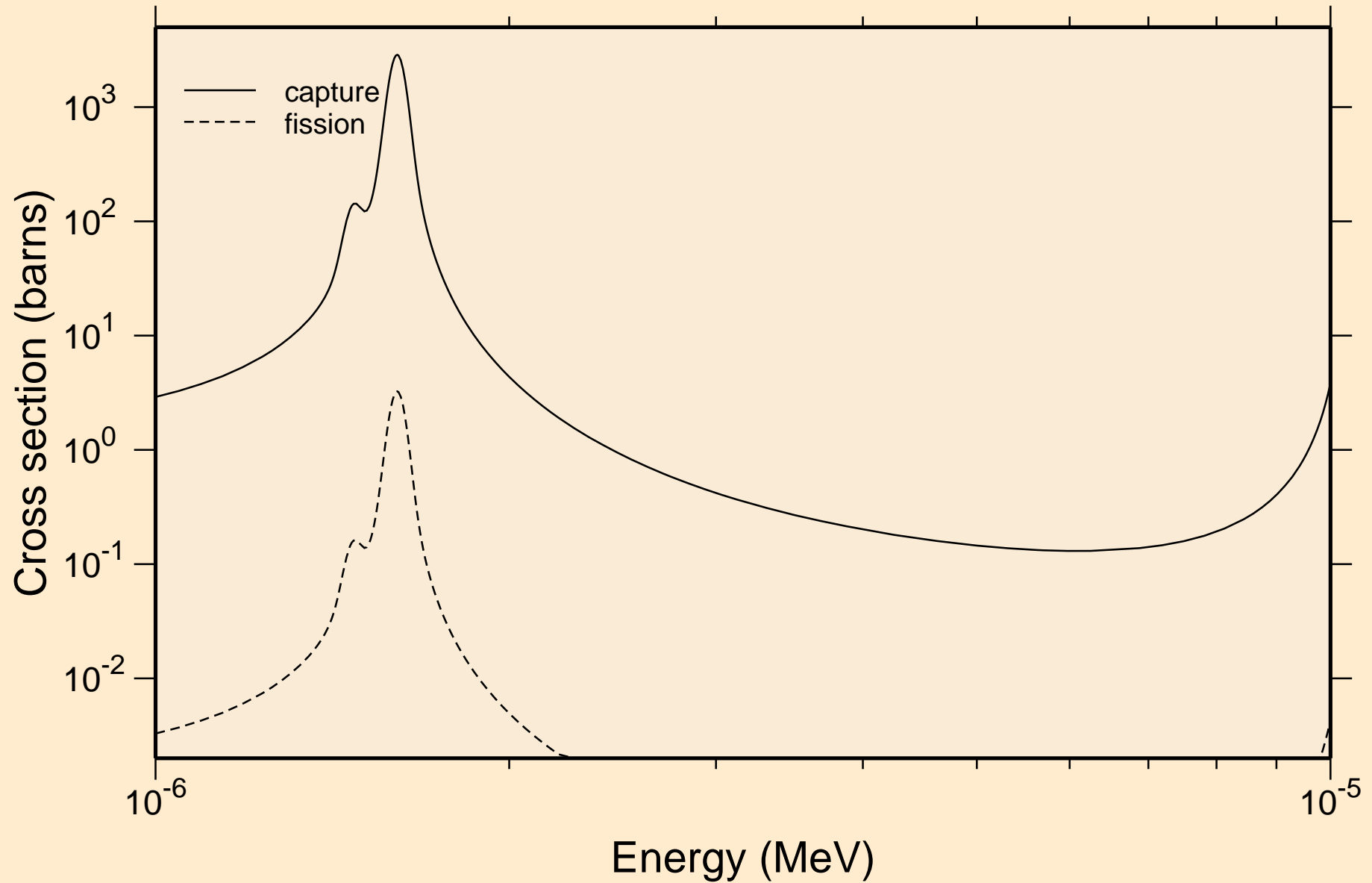
AT220 NRG TENDL-2015, AKONING  
resonance total cross section



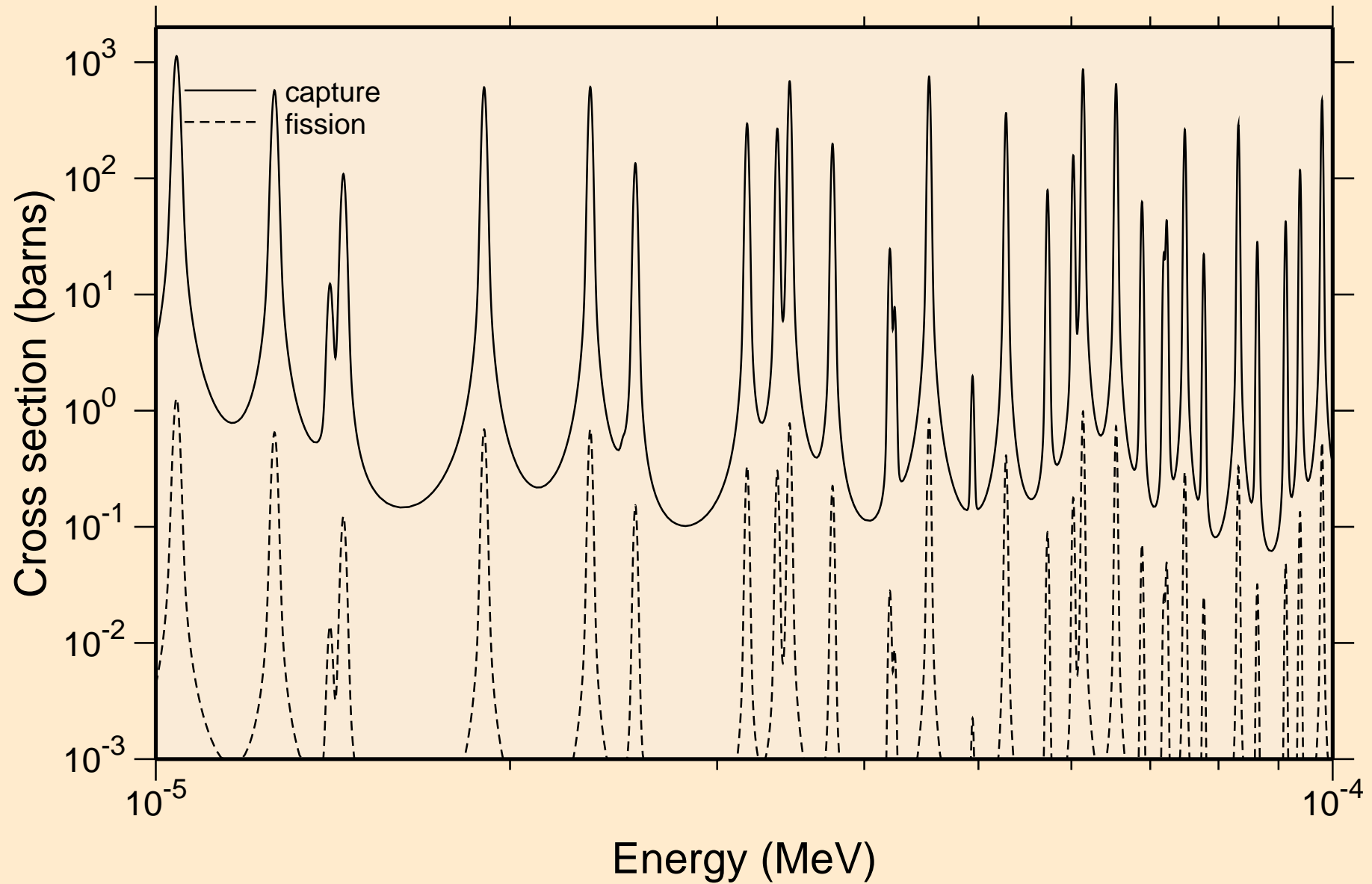
AT220 NRG TENDL-2015, AKONING  
resonance total cross section



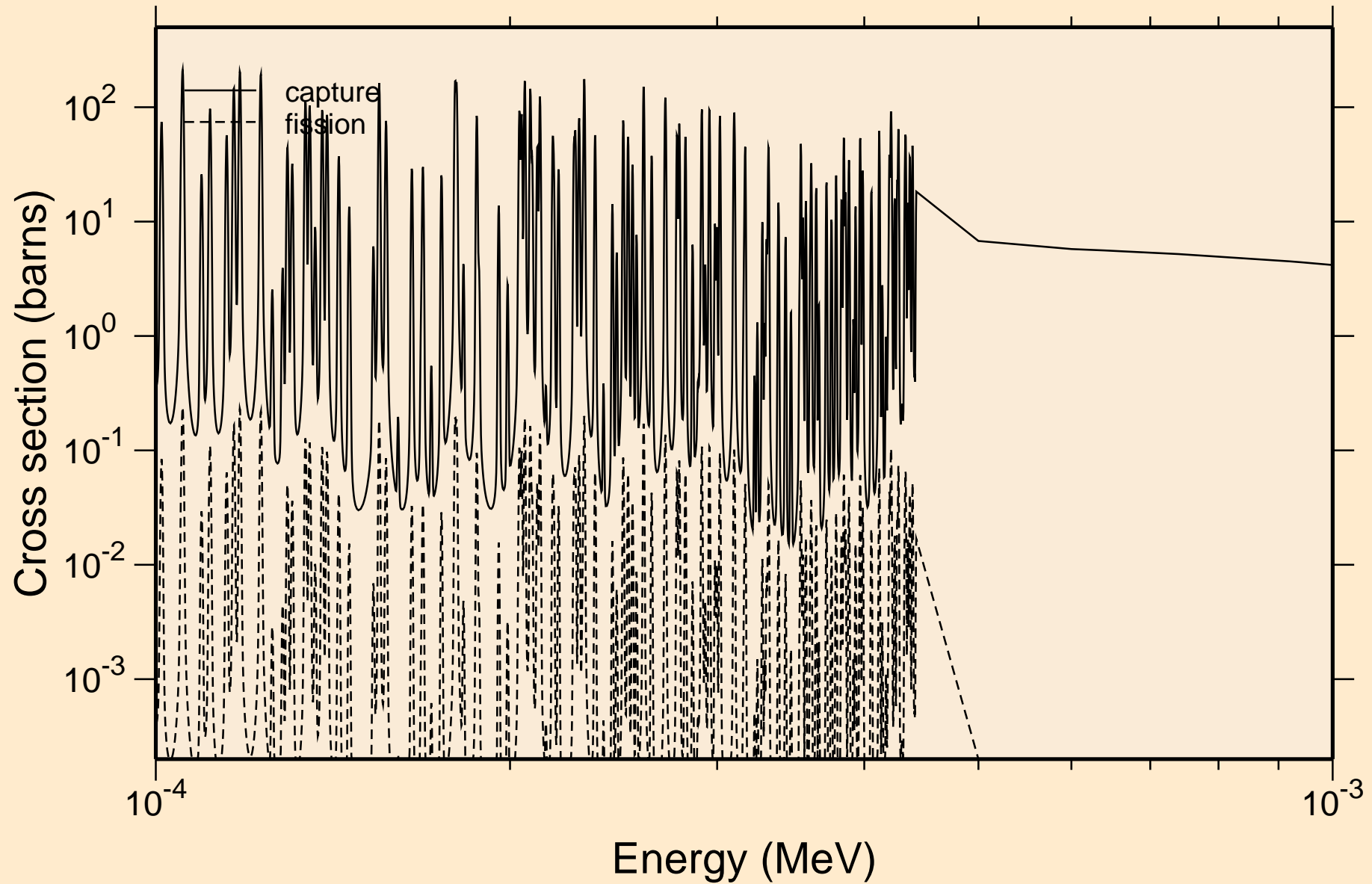
# AT220 NRG TENDL-2015, AKONING resonance absorption cross sections



# AT220 NRG TENDL-2015, AKONING resonance absorption cross sections

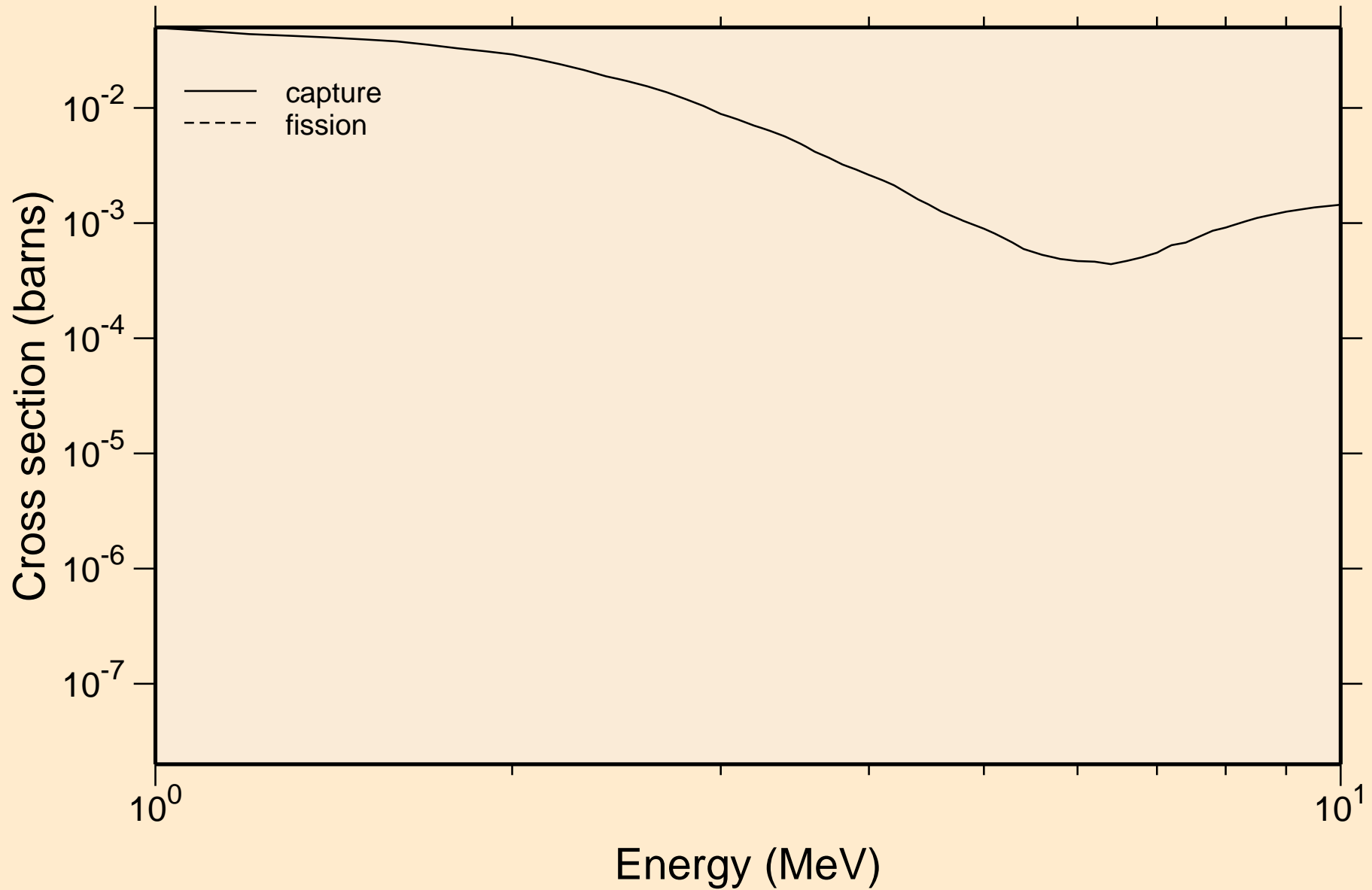


AT220 NRG TENDL-2015, AKONING  
resonance absorption cross sections



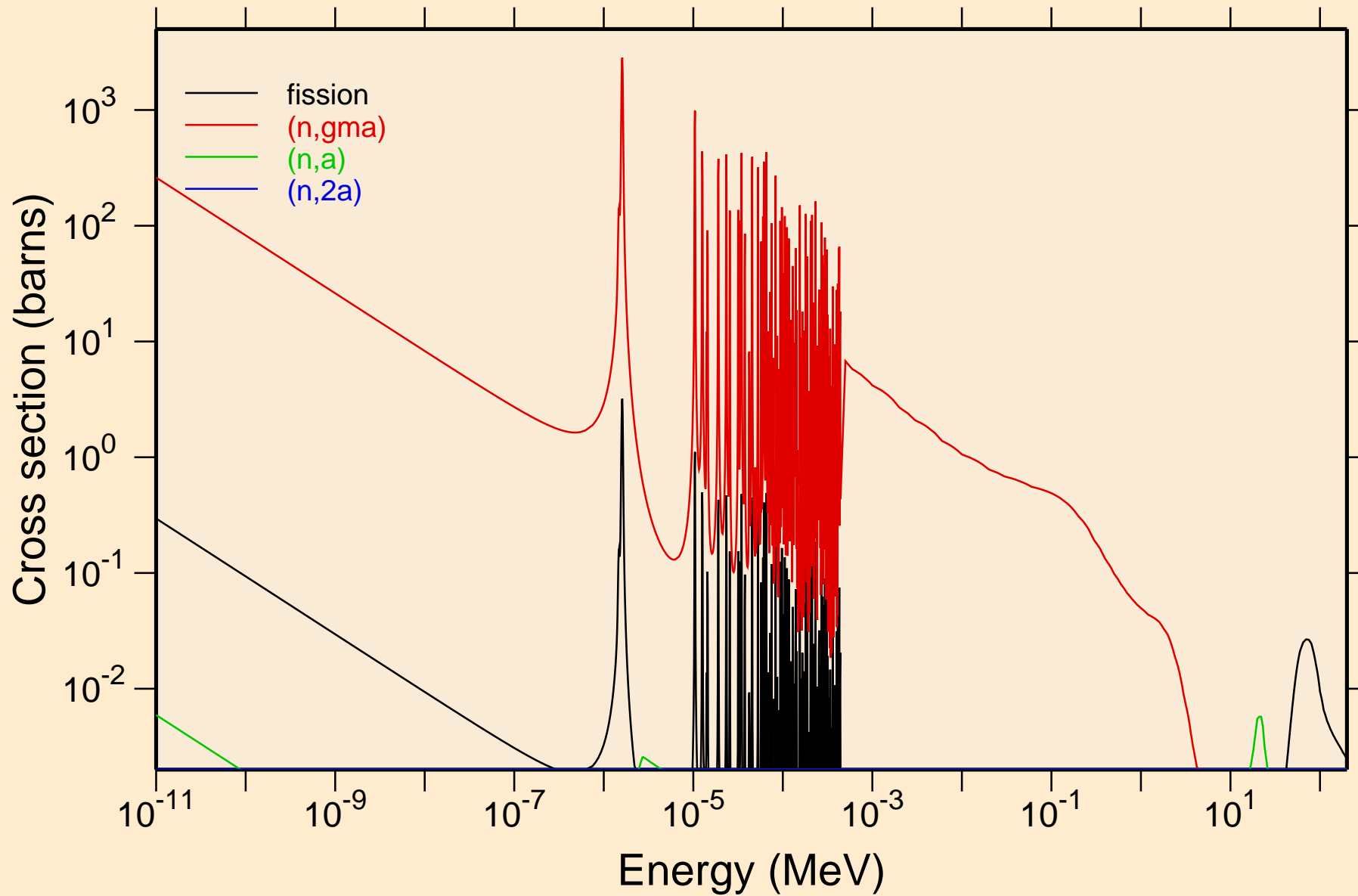


AT220 NRG TENDL-2015, AKONING  
resonance absorption cross sections



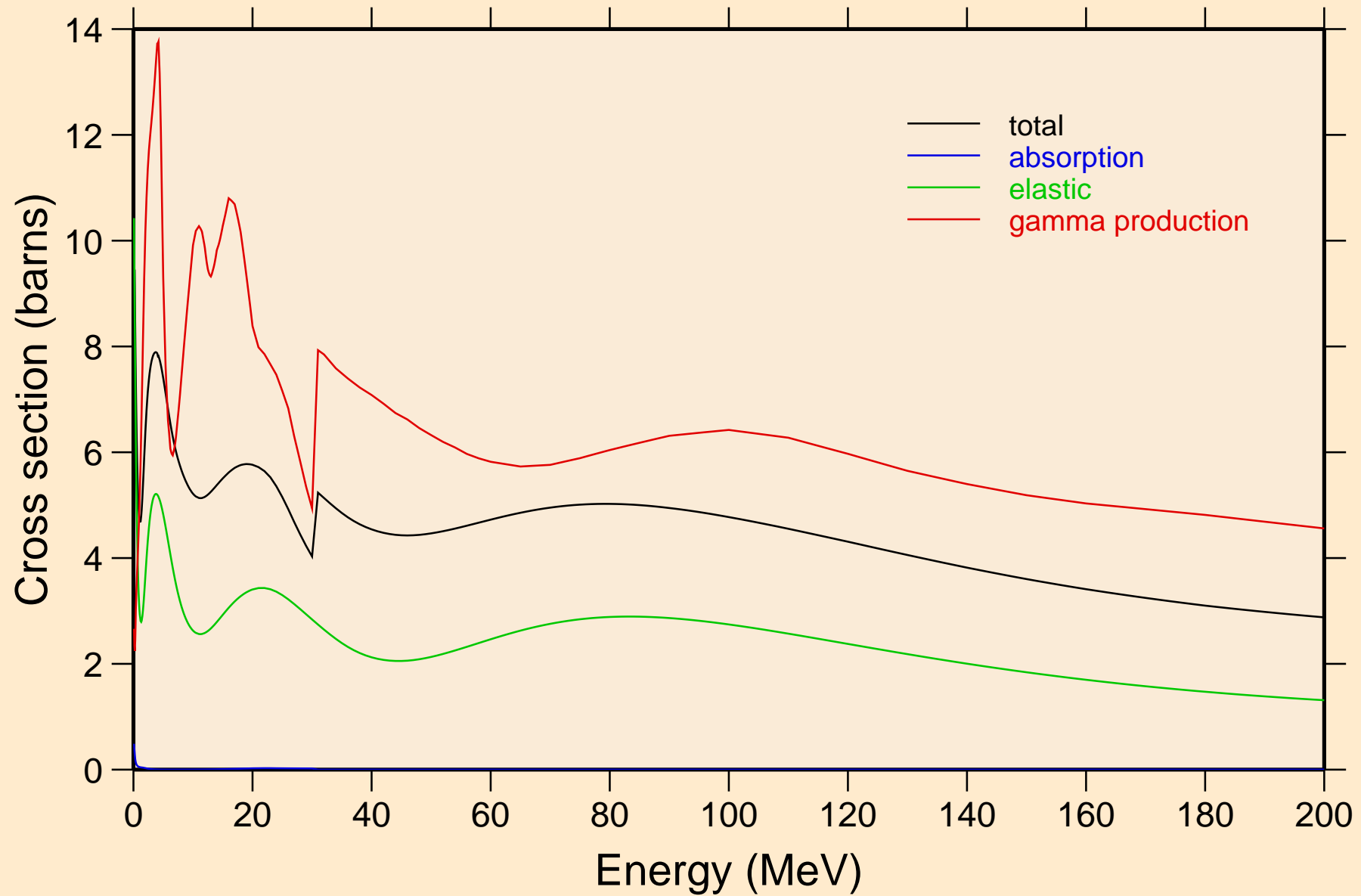
# AT220 NRG TENDL-2015, AKONING

## Non-threshold reactions



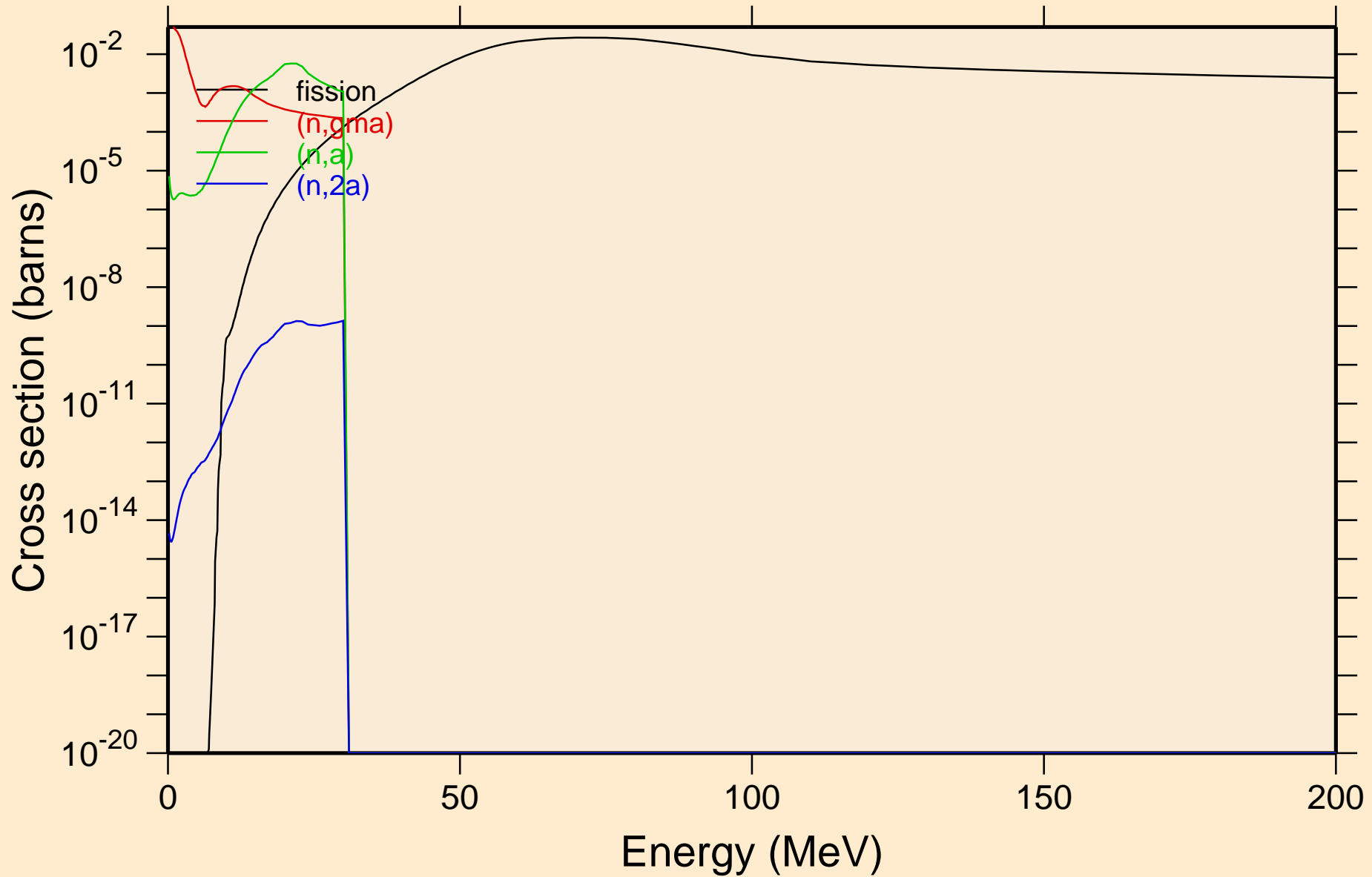
# AT220 NRG TENDL-2015, AKONING

## Principal cross sections

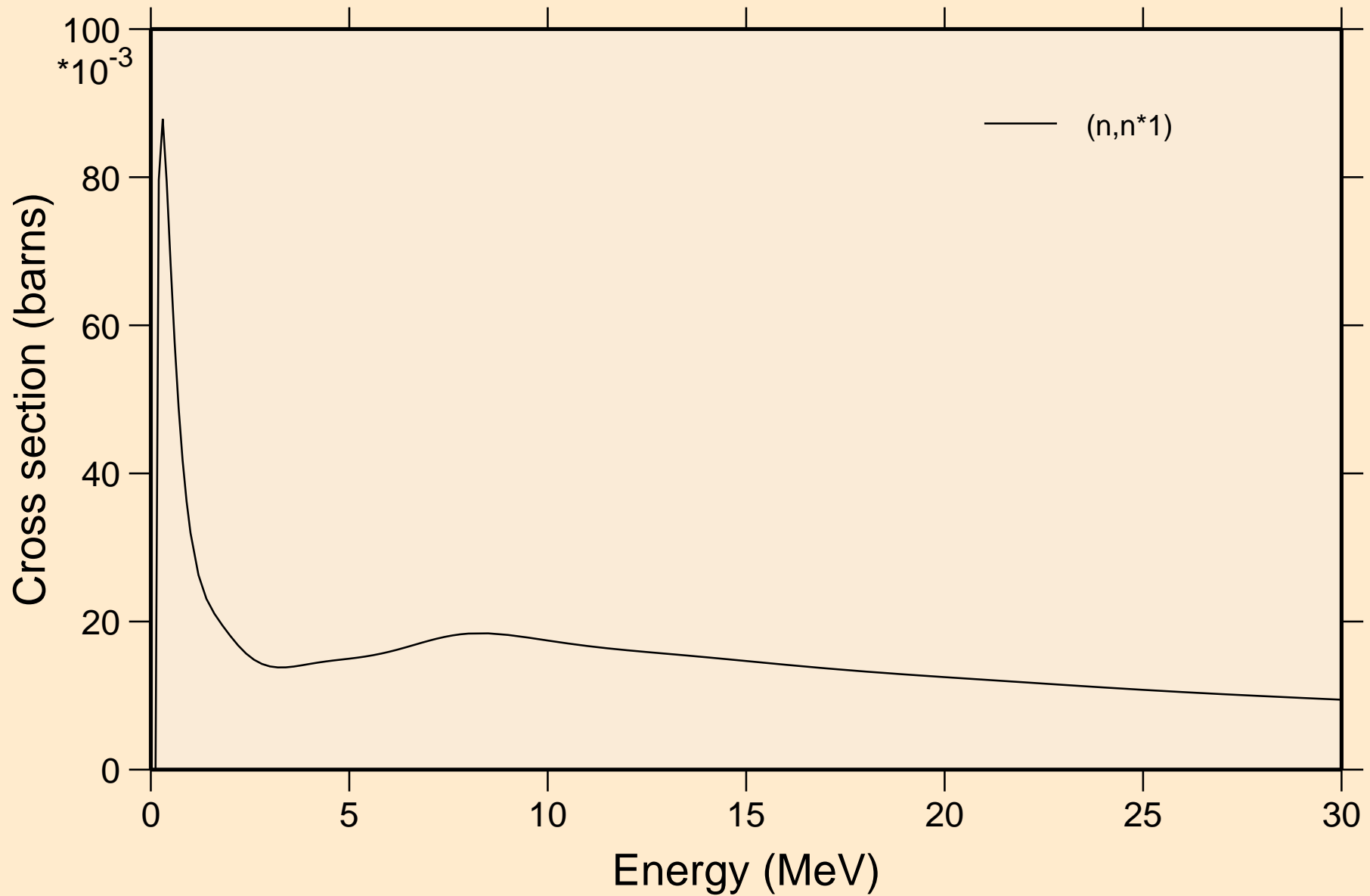


# AT220 NRG TENDL-2015, AKONING

## Non-threshold reactions

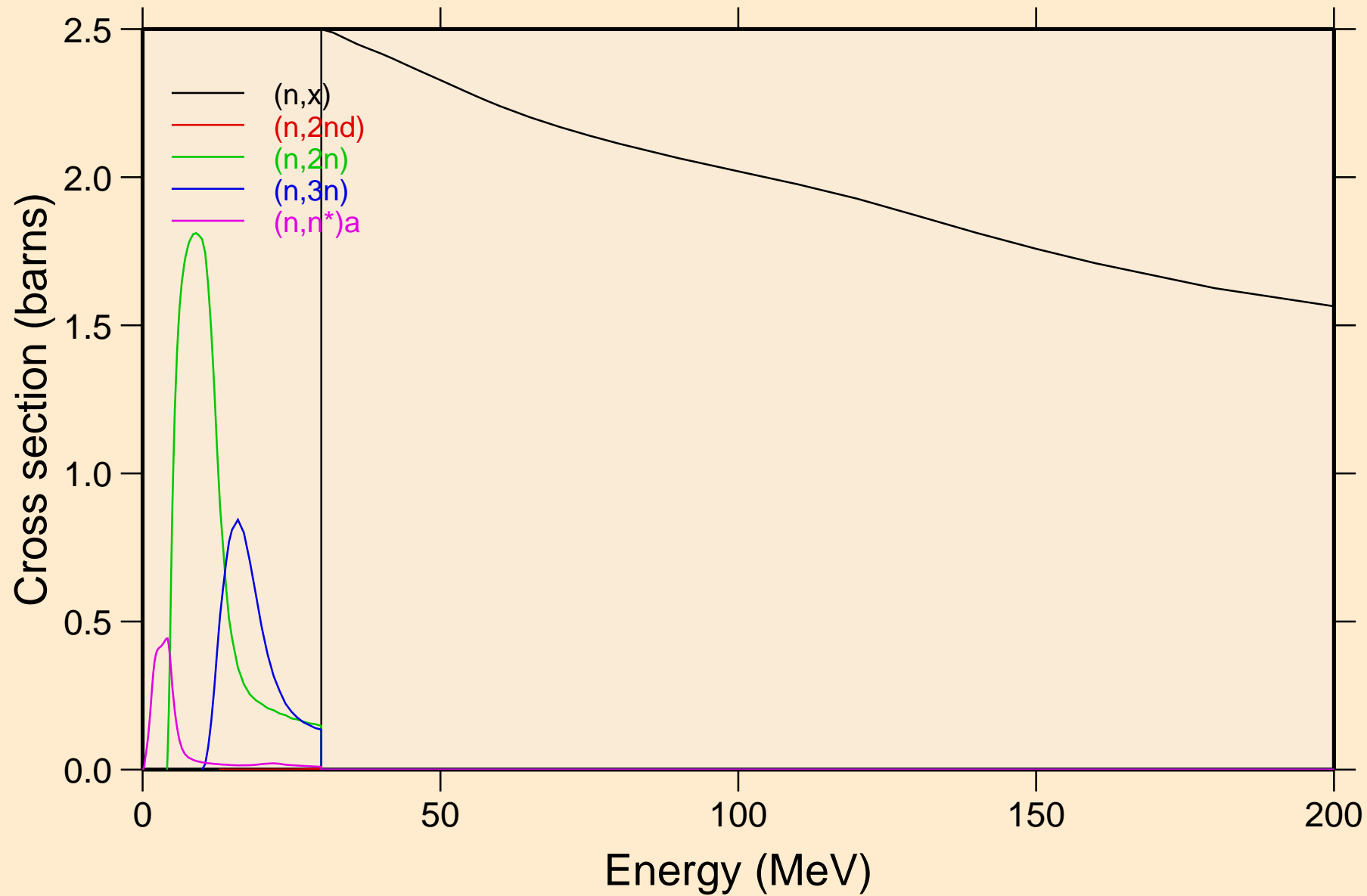


AT220 NRG TENDL-2015, AKONING  
Inelastic levels



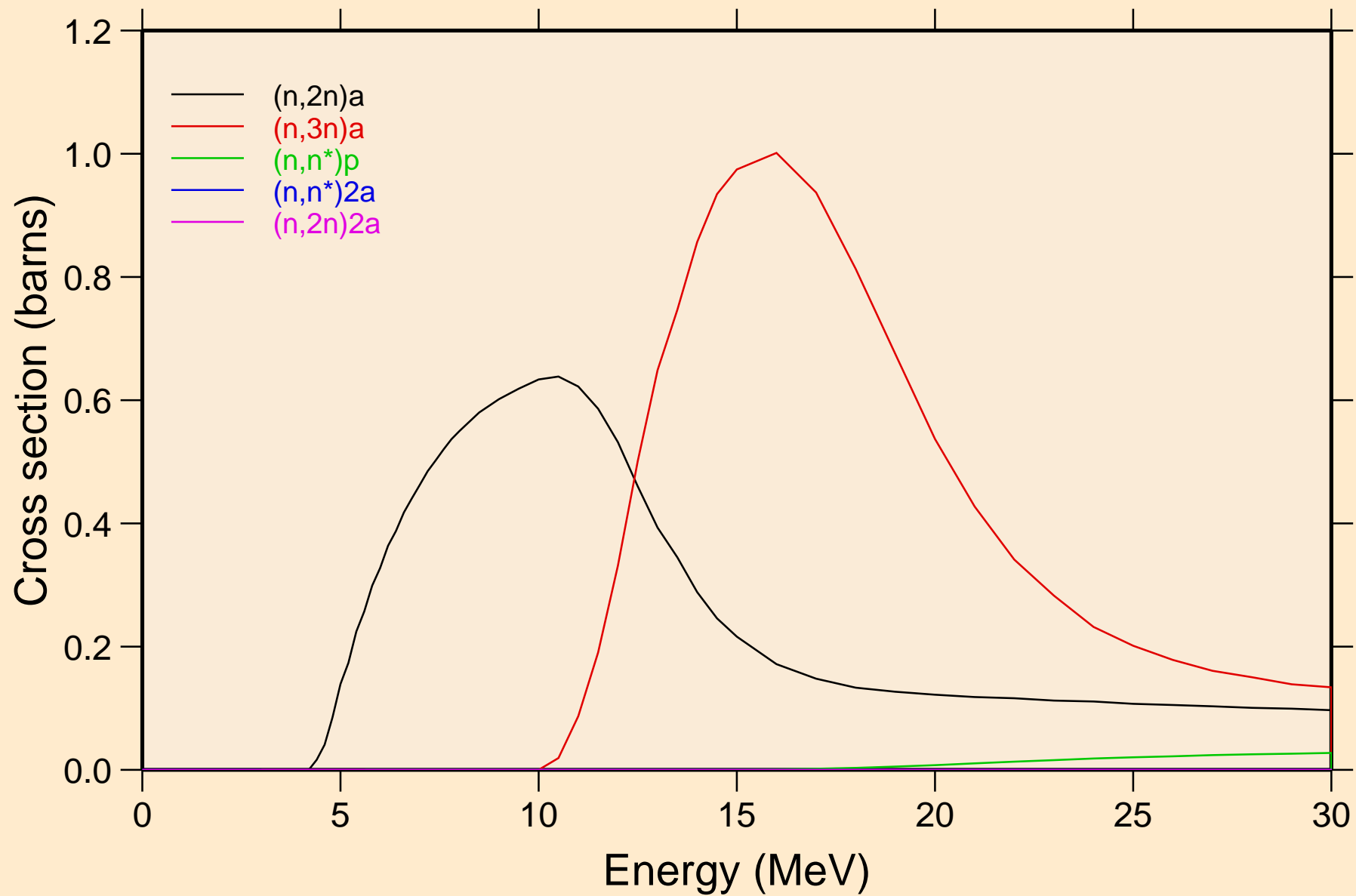
# AT220 NRG TENDL-2015, AKONING

## Threshold reactions



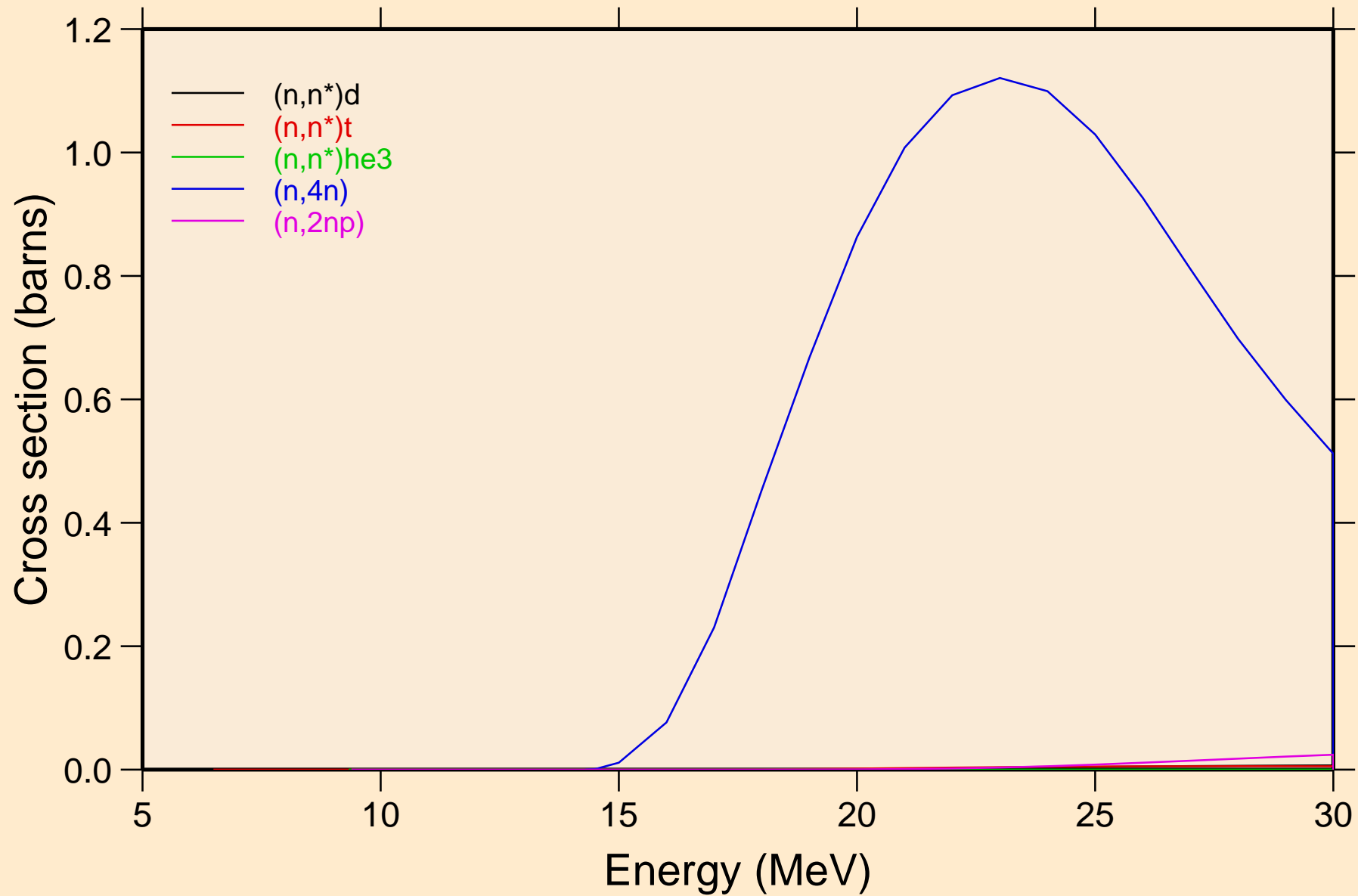
# AT220 NRG TENDL-2015, AKONING

## Threshold reactions



# AT220 NRG TENDL-2015, AKONING

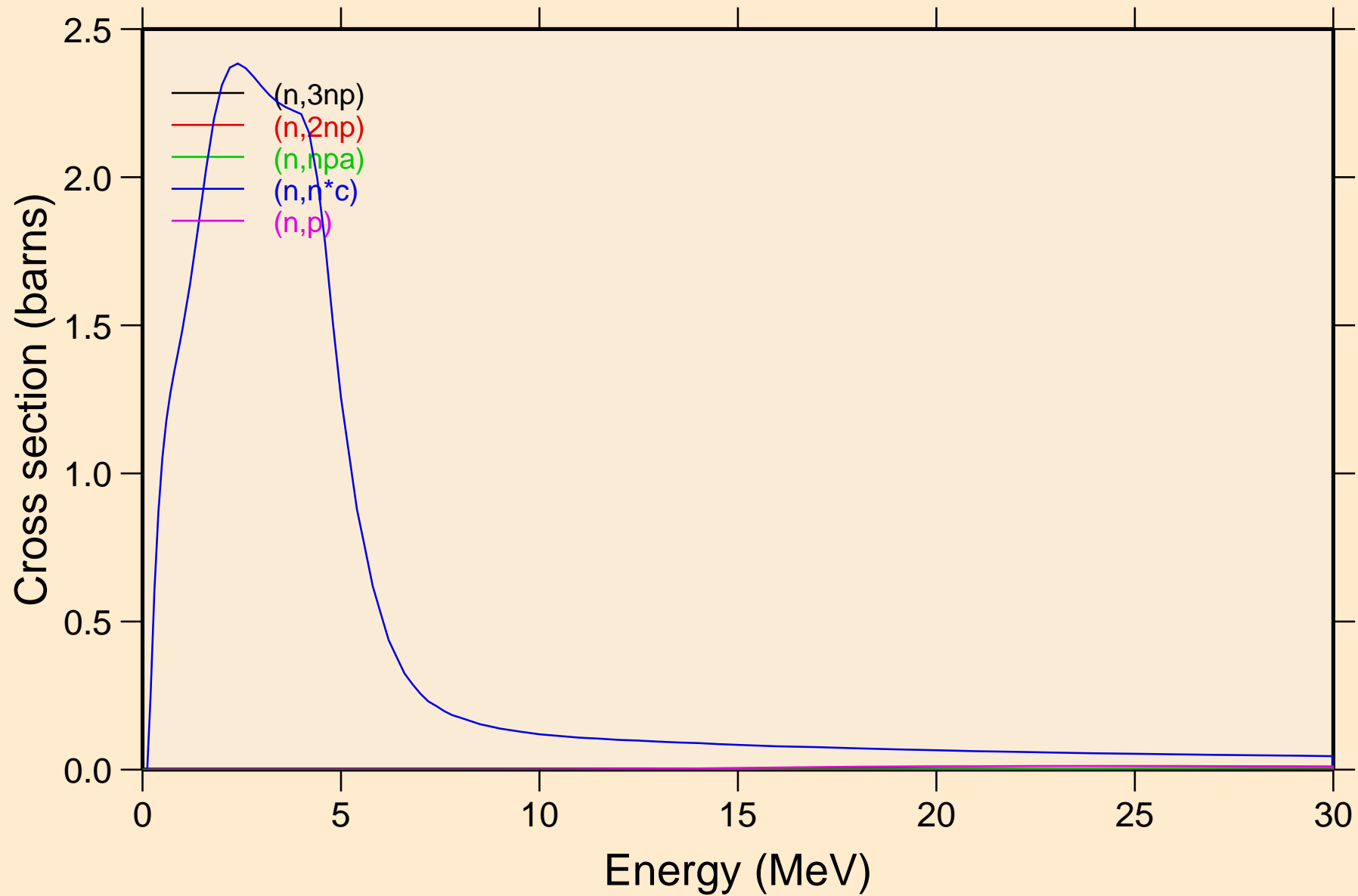
## Threshold reactions





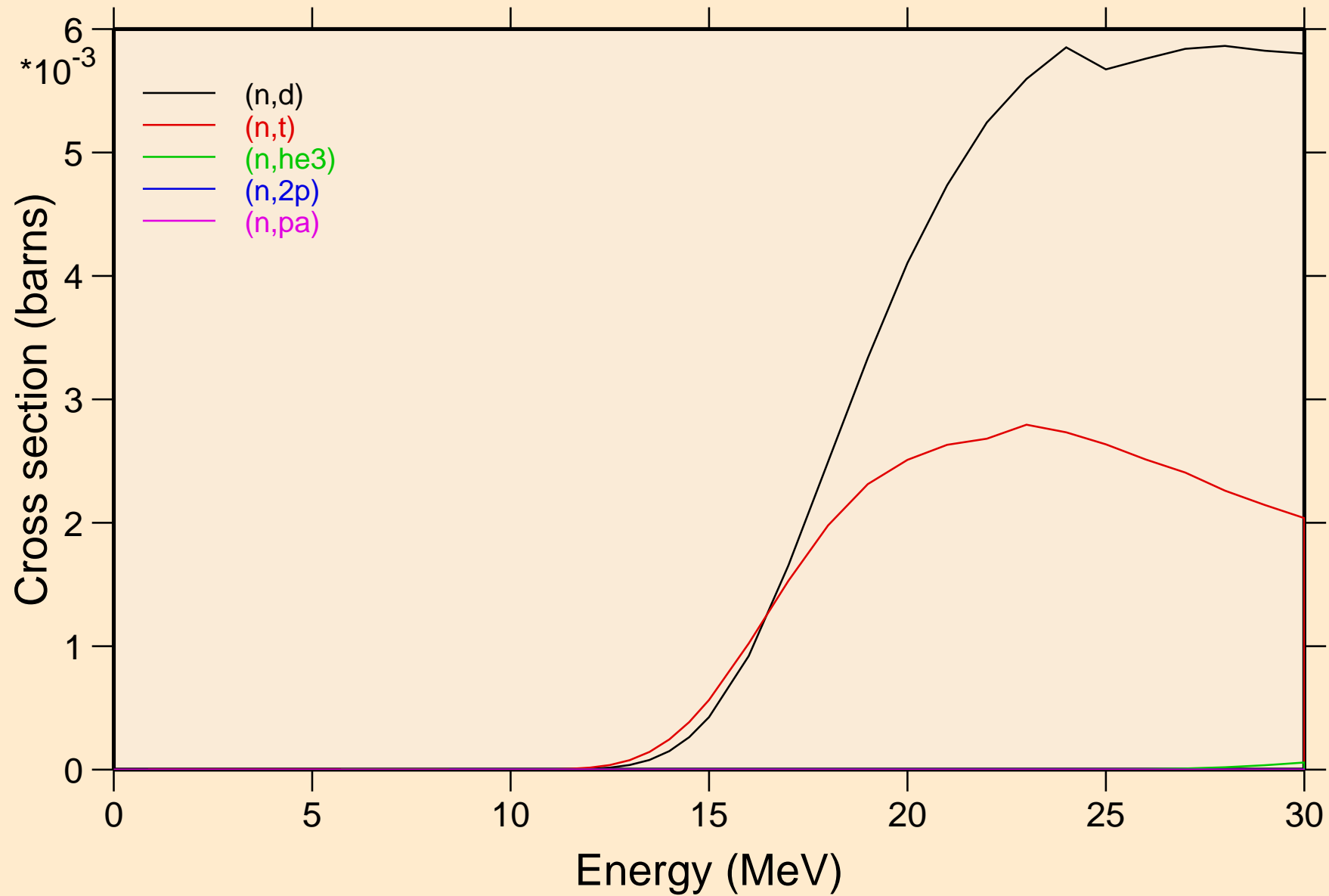
# AT220 NRG TENDL-2015, AKONING

## Threshold reactions



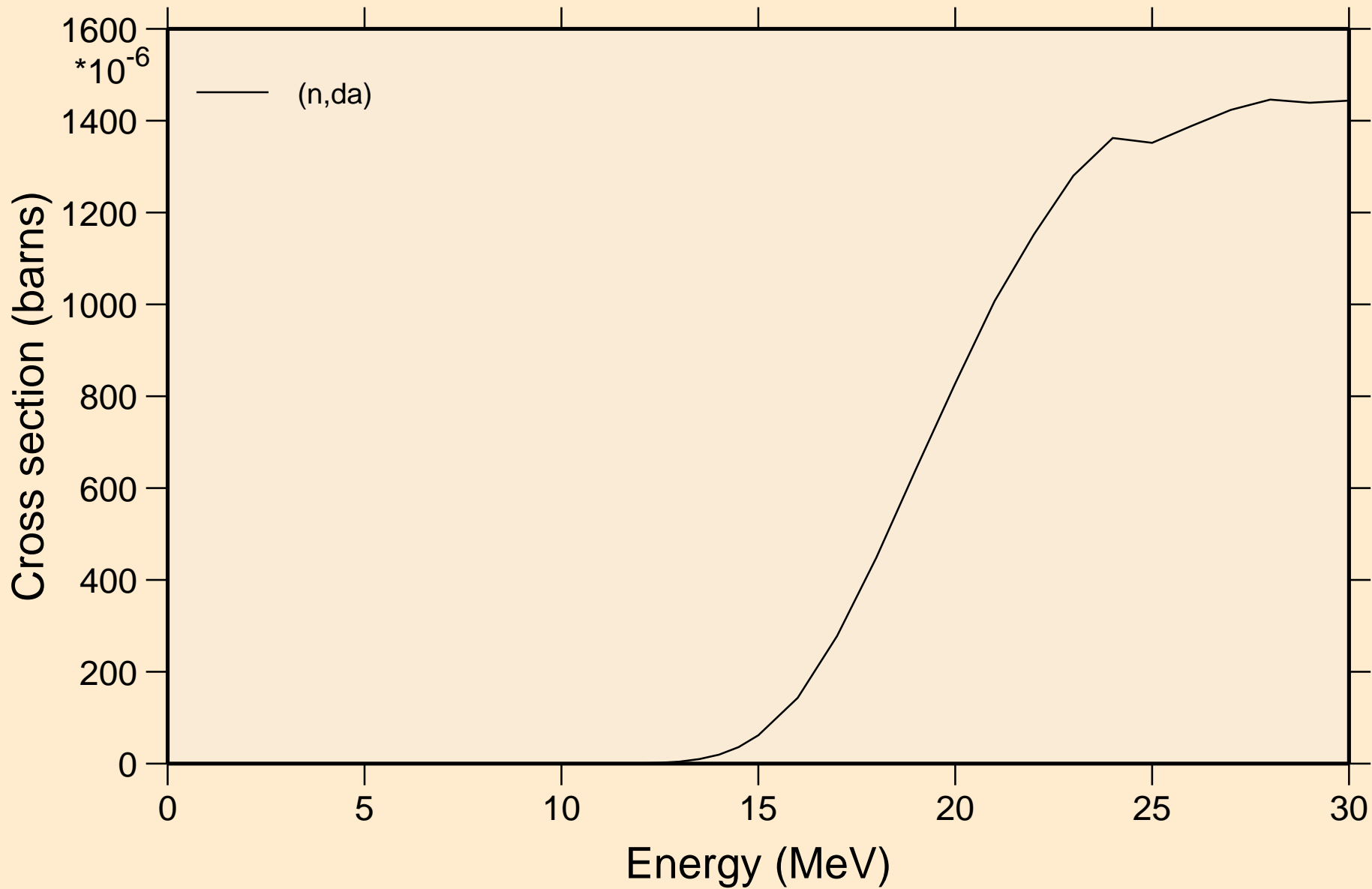
# AT220 NRG TENDL-2015, AKONING

## Threshold reactions

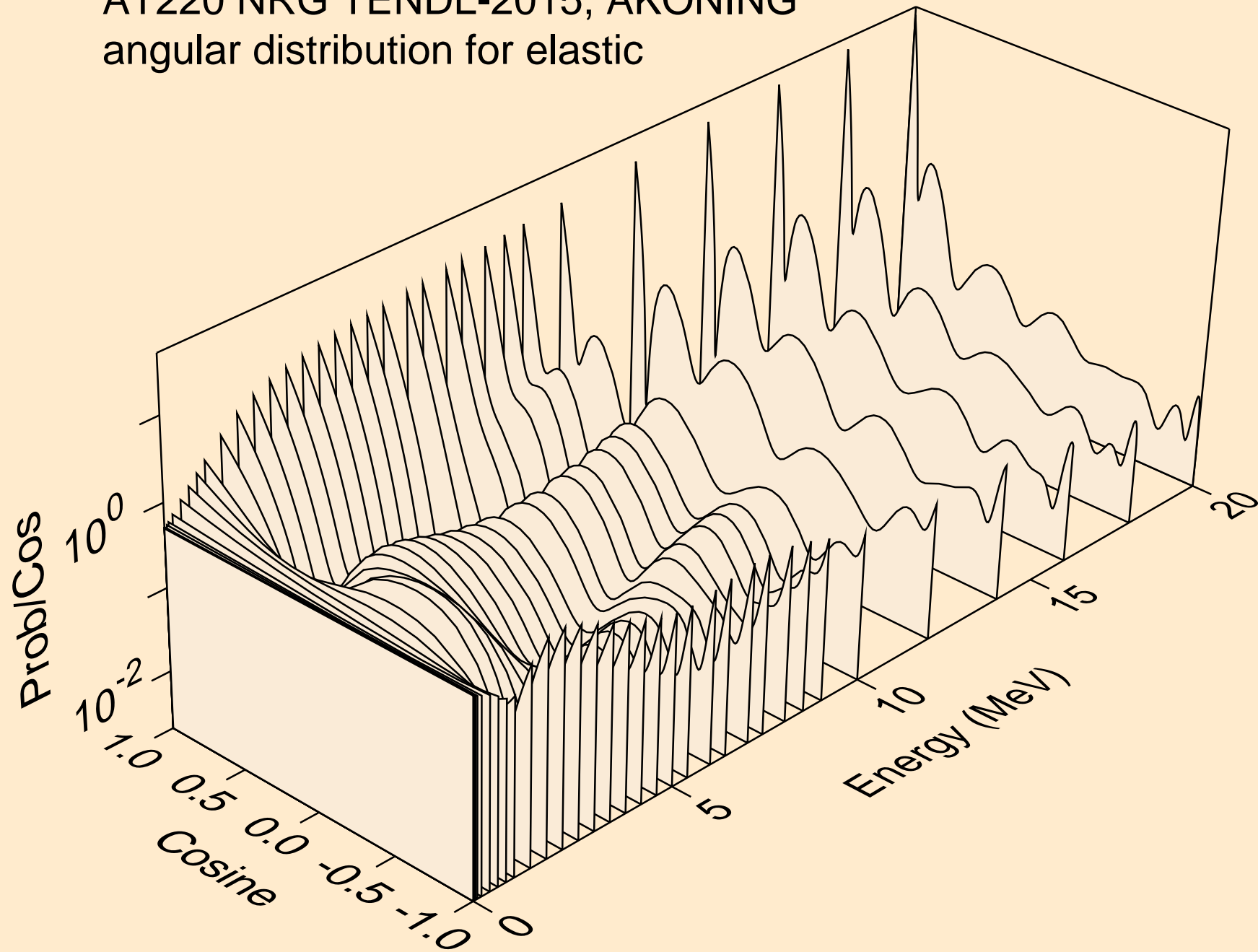


# AT220 NRG TENDL-2015, AKONING

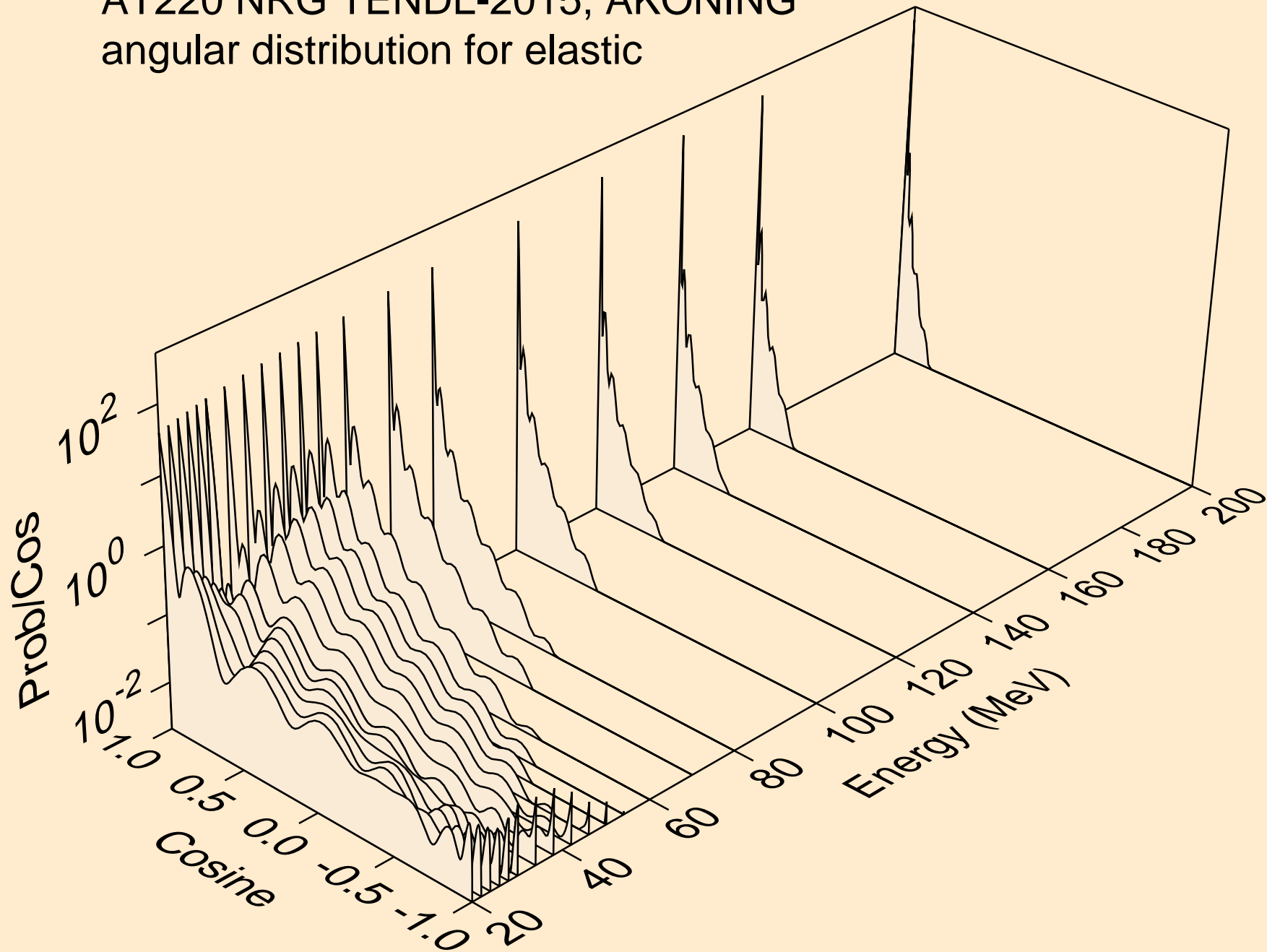
## Threshold reactions



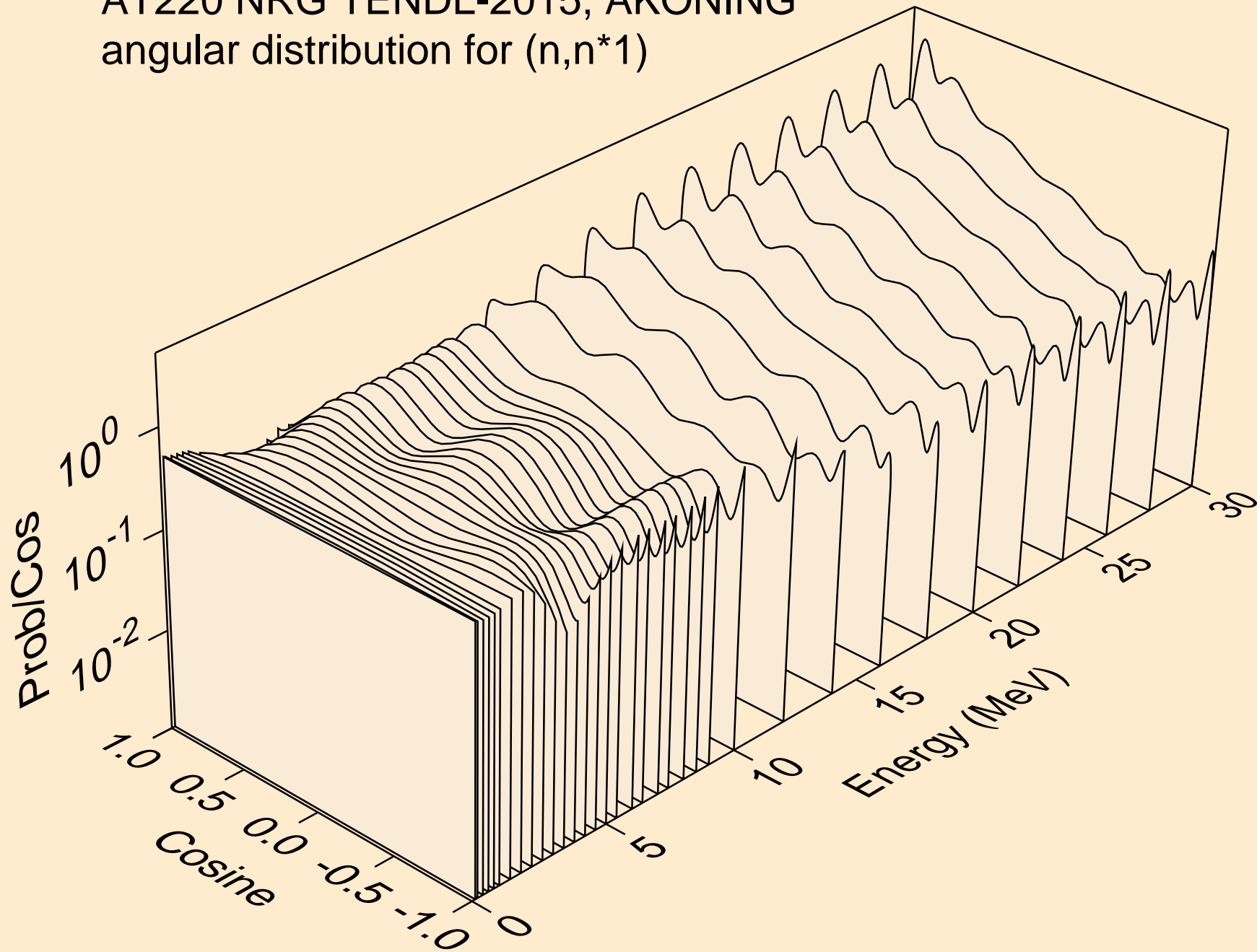
AT220 NRG TENDL-2015, AKONING  
angular distribution for elastic



AT220 NRG TENDL-2015, AKONING  
angular distribution for elastic

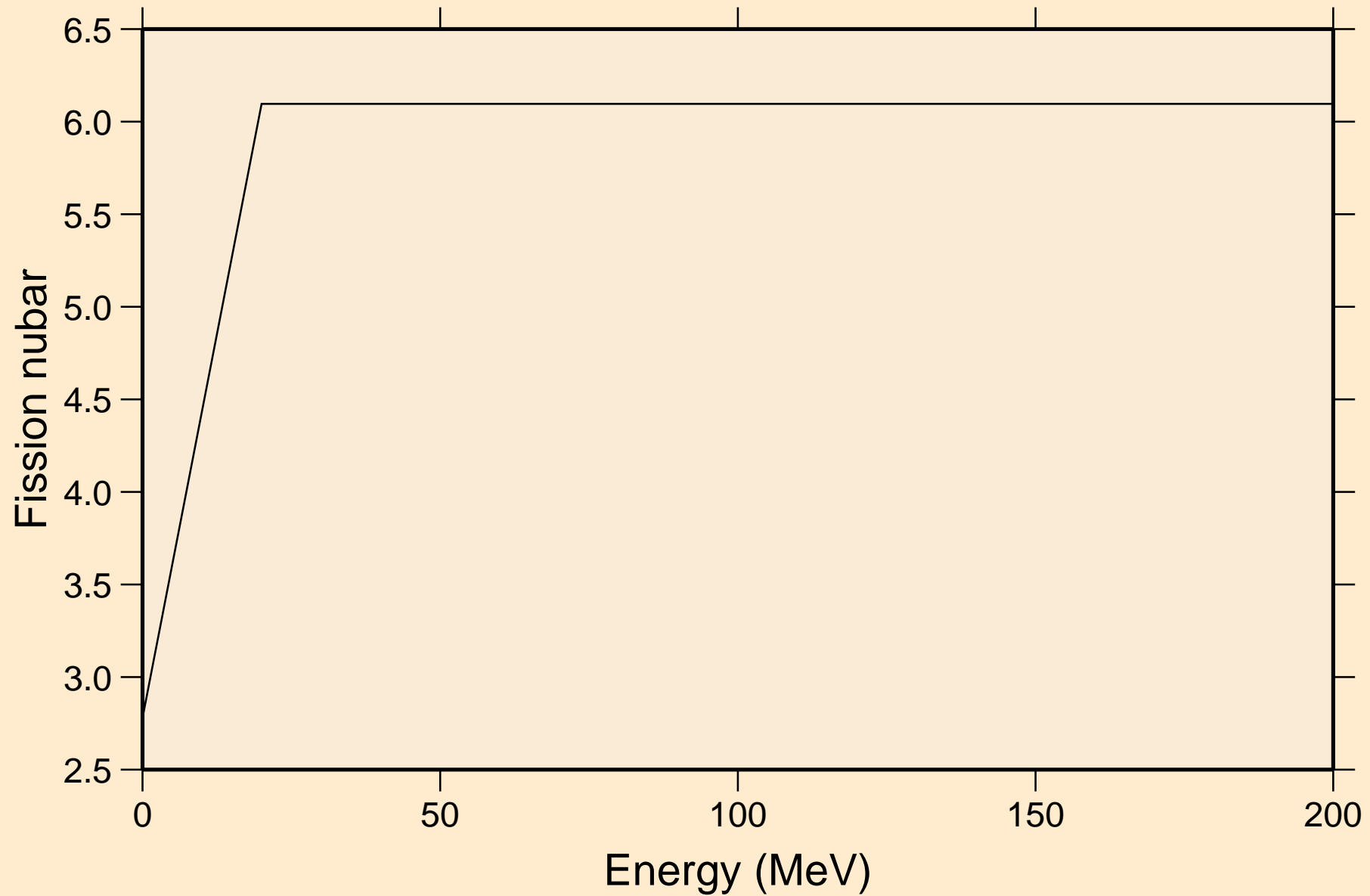


AT220 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)

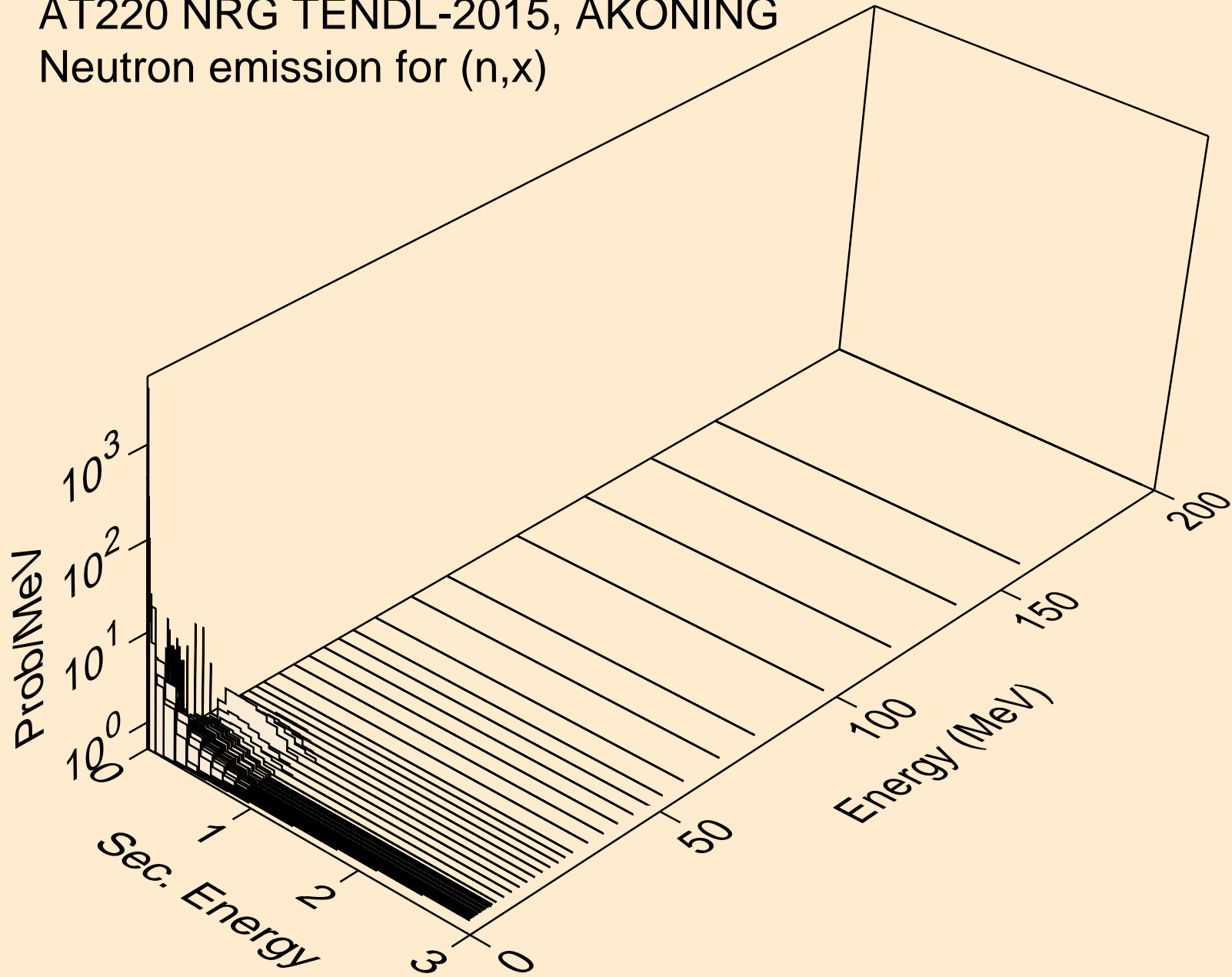


# AT220 NRG TENDL-2015, AKONING

Total fission nubar

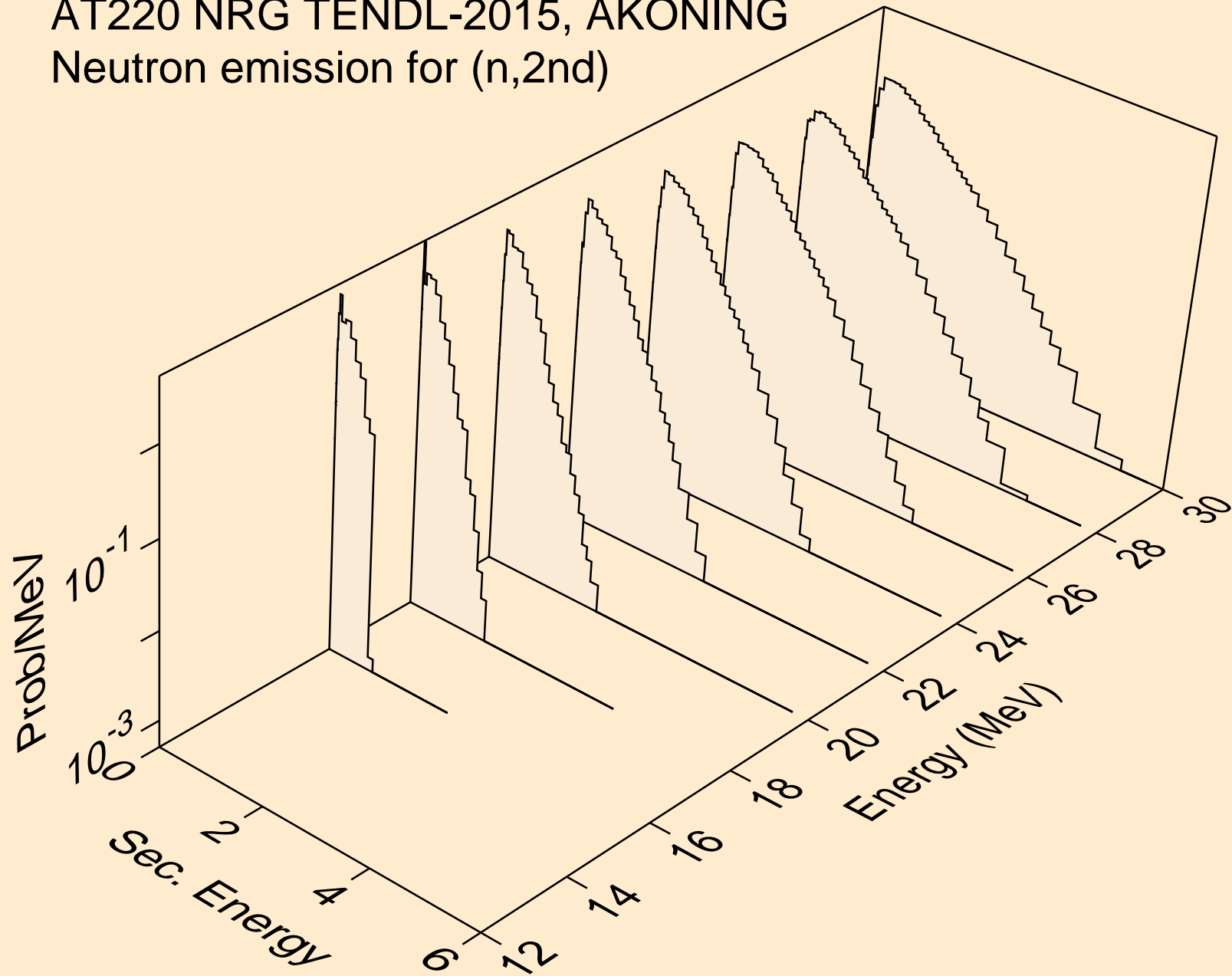


AT220 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)

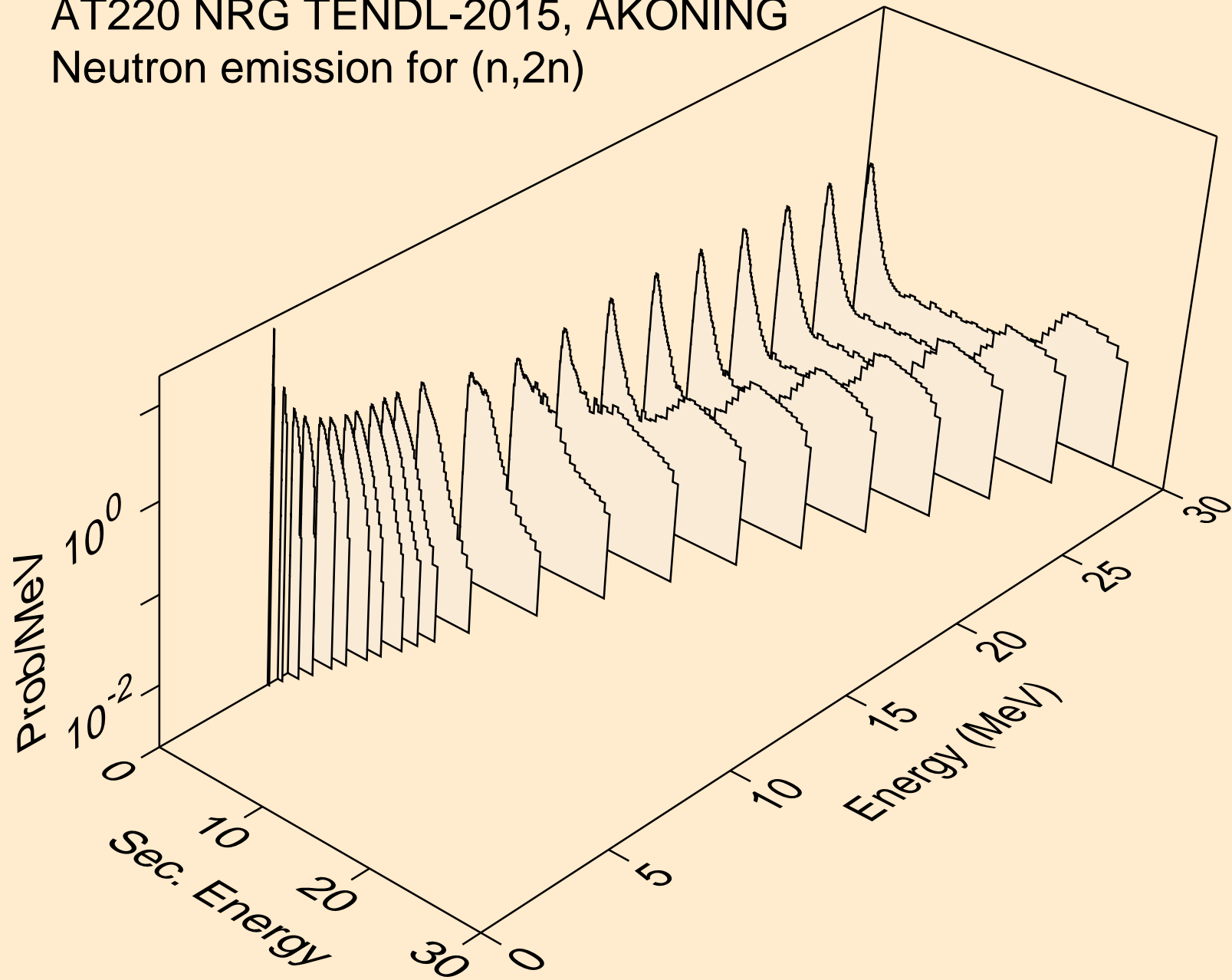




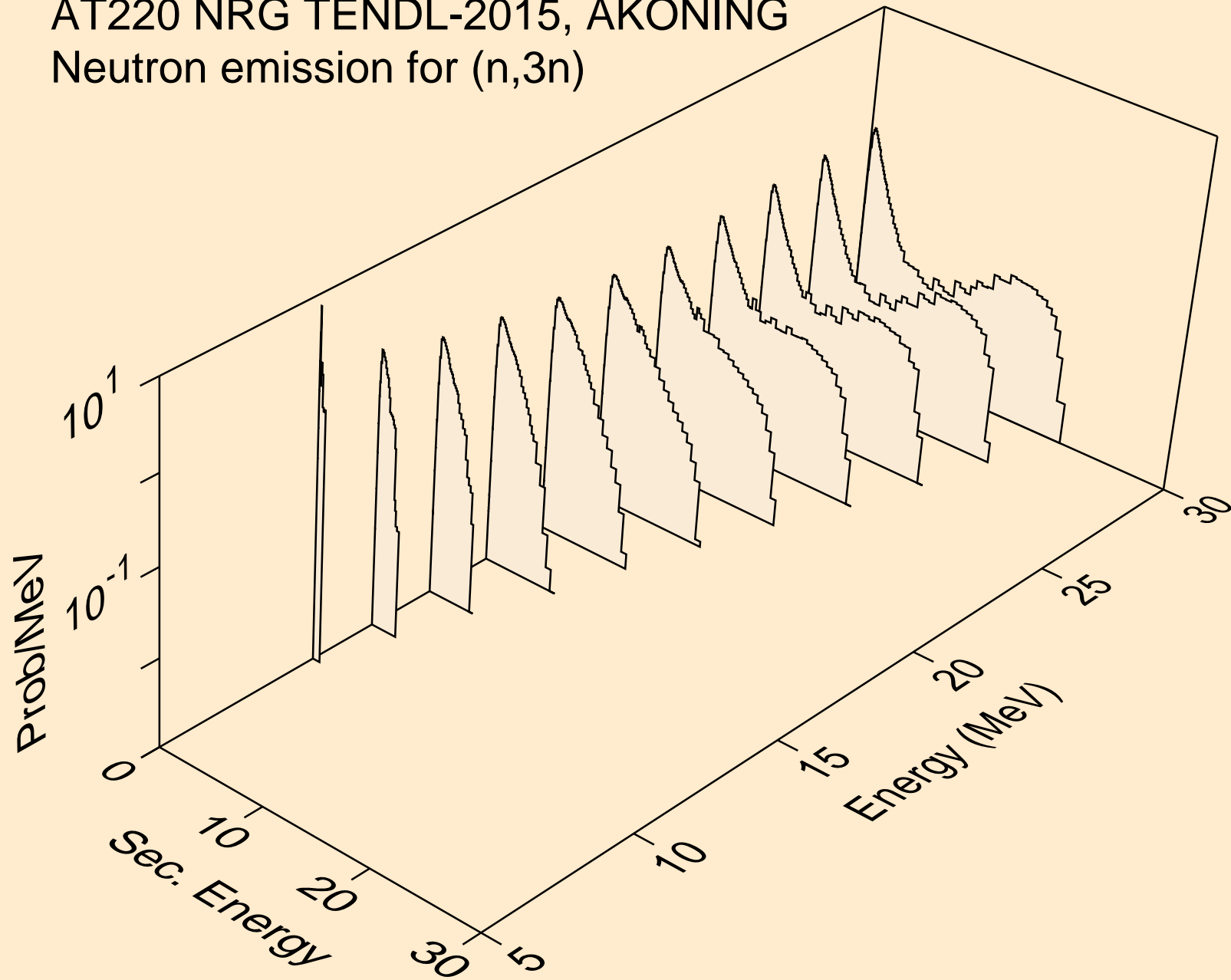
AT220 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



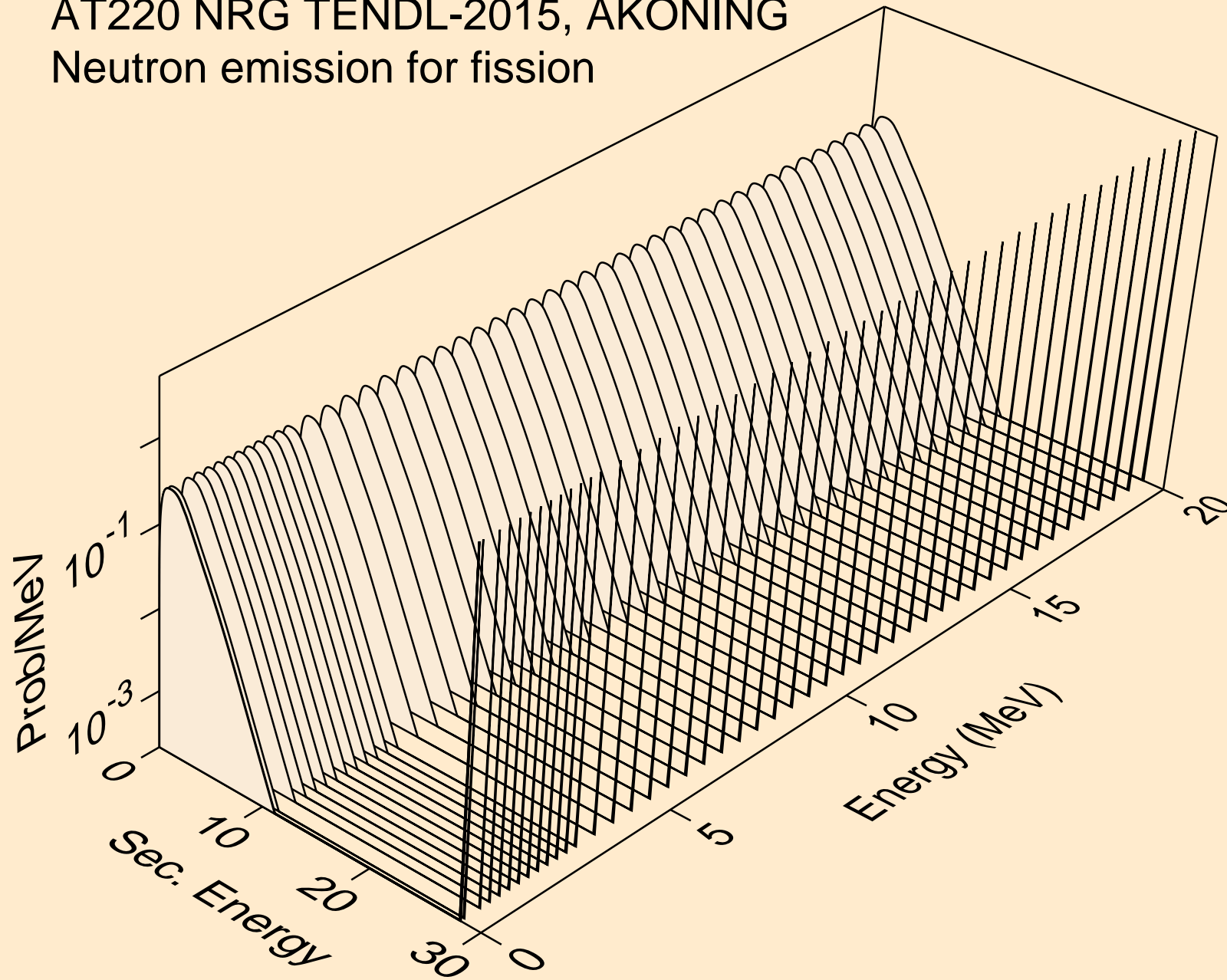
AT220 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



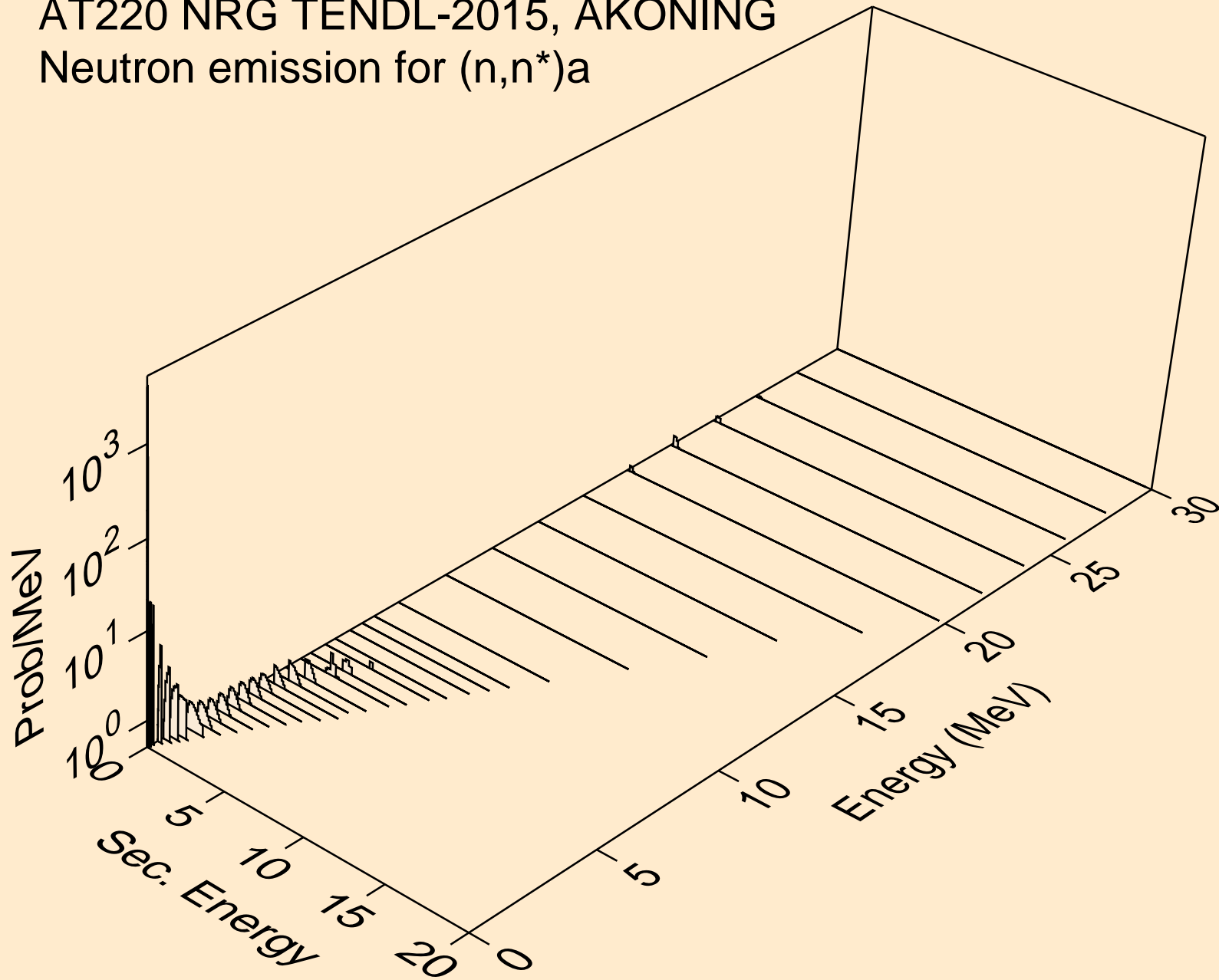
AT220 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



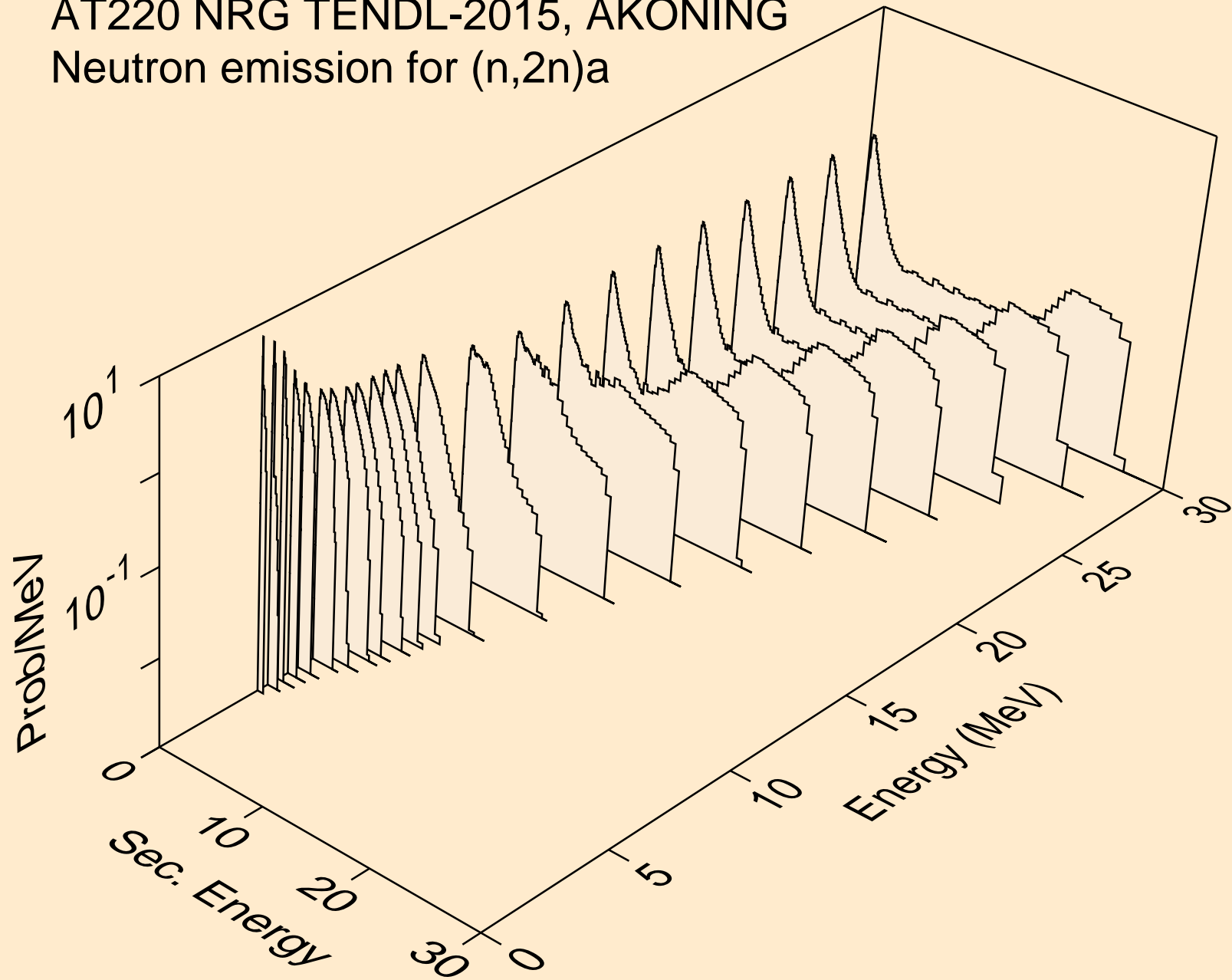
AT220 NRG TENDL-2015, AKONING  
Neutron emission for fission



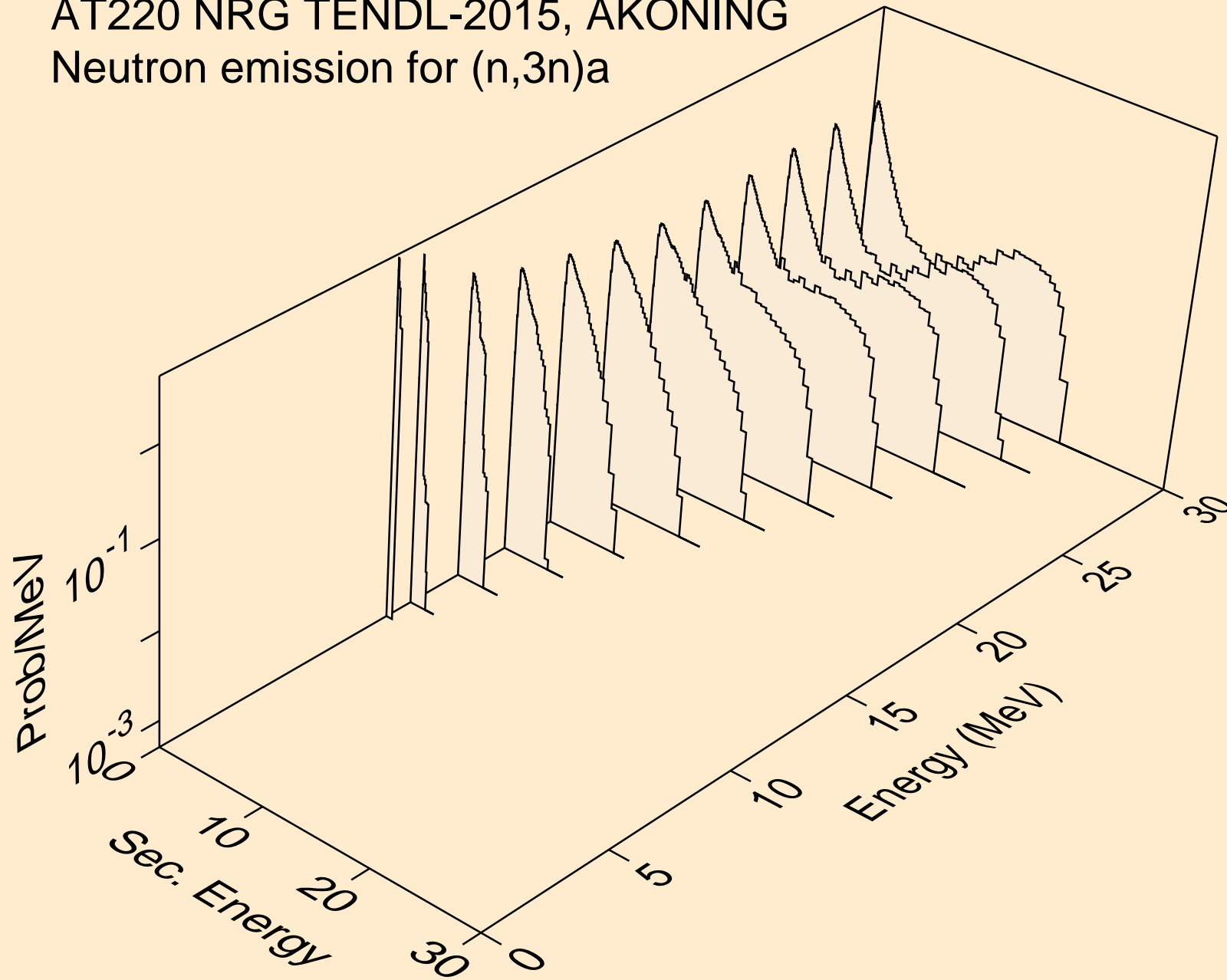
AT220 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



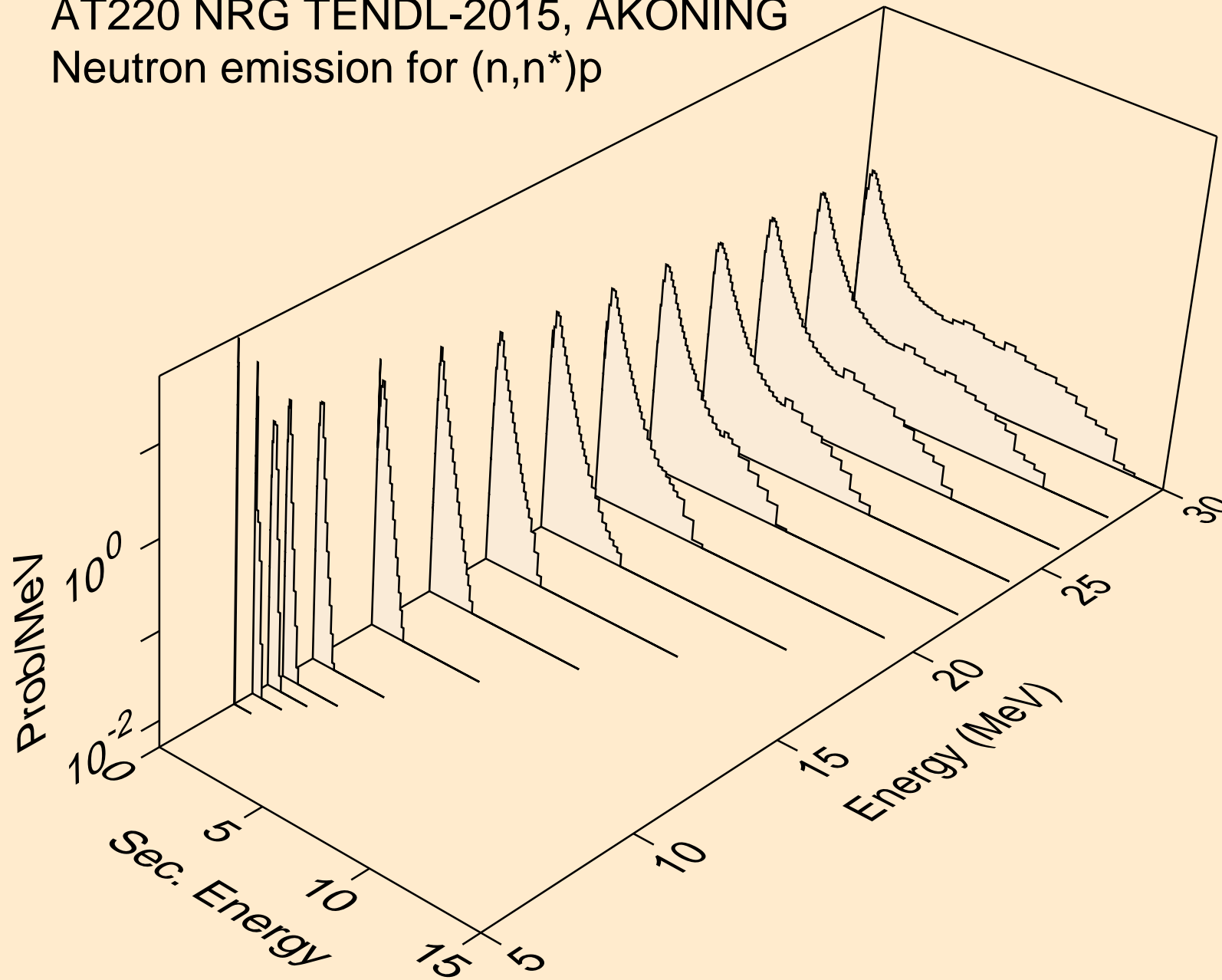
AT220 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



AT220 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a

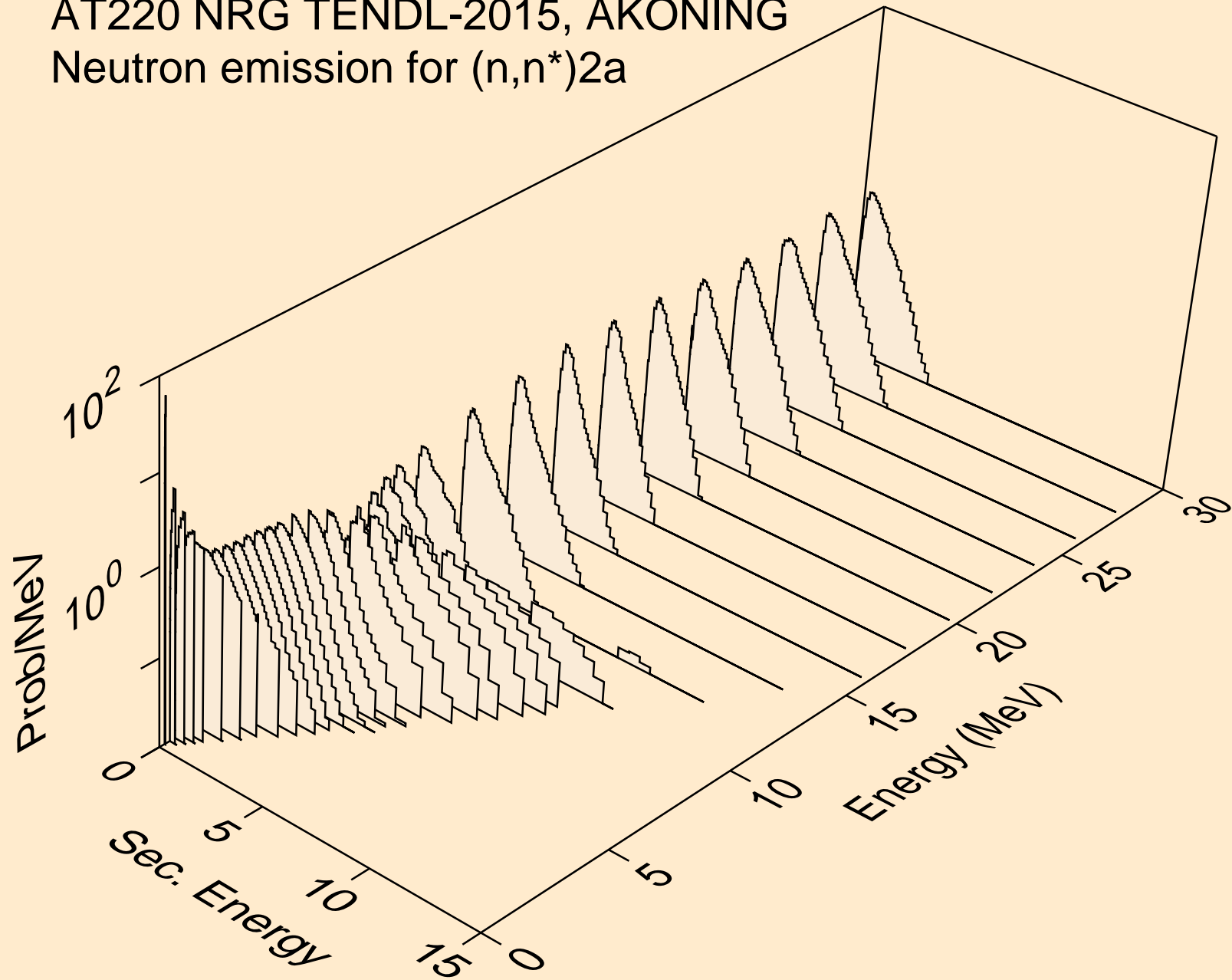


AT220 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p

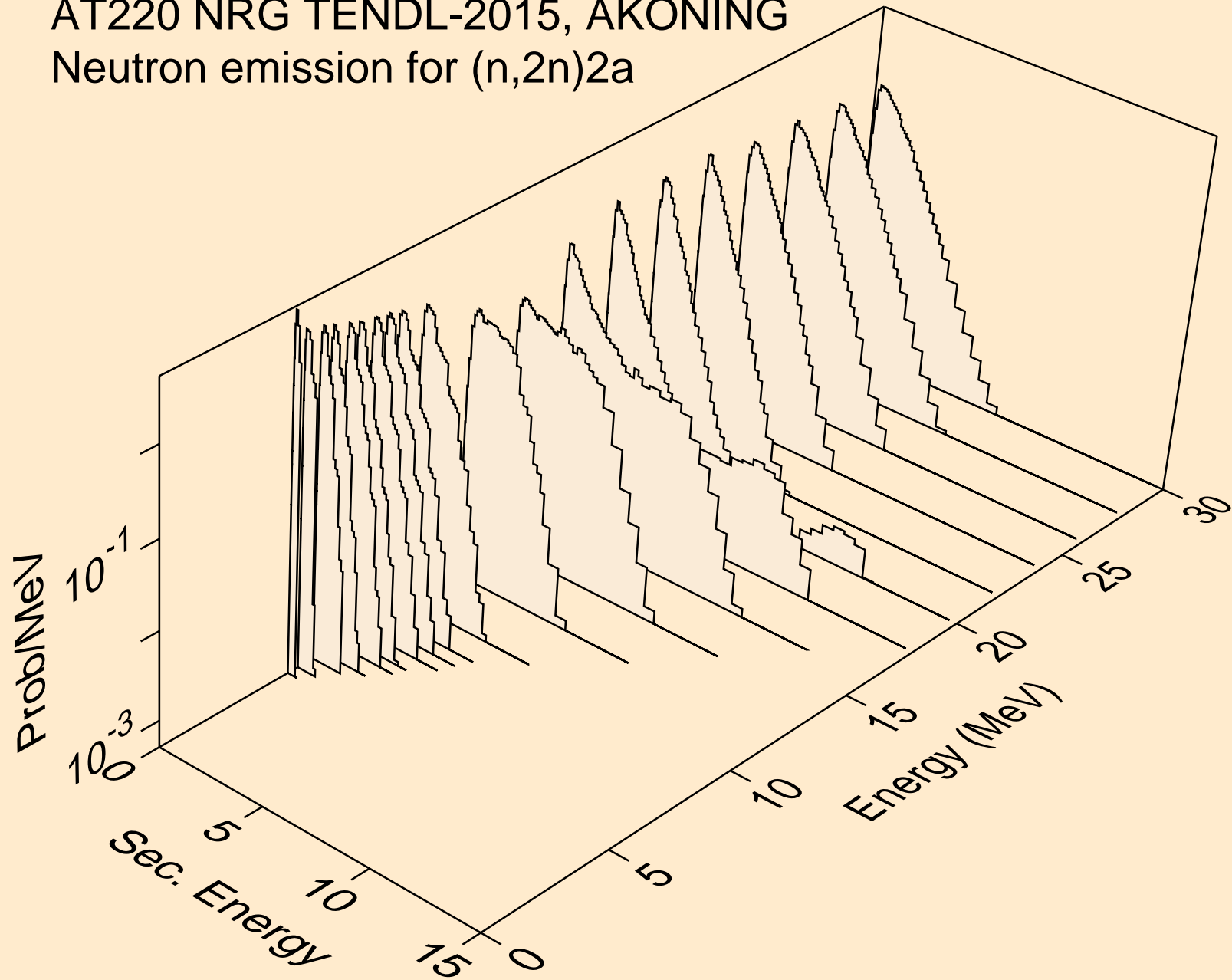




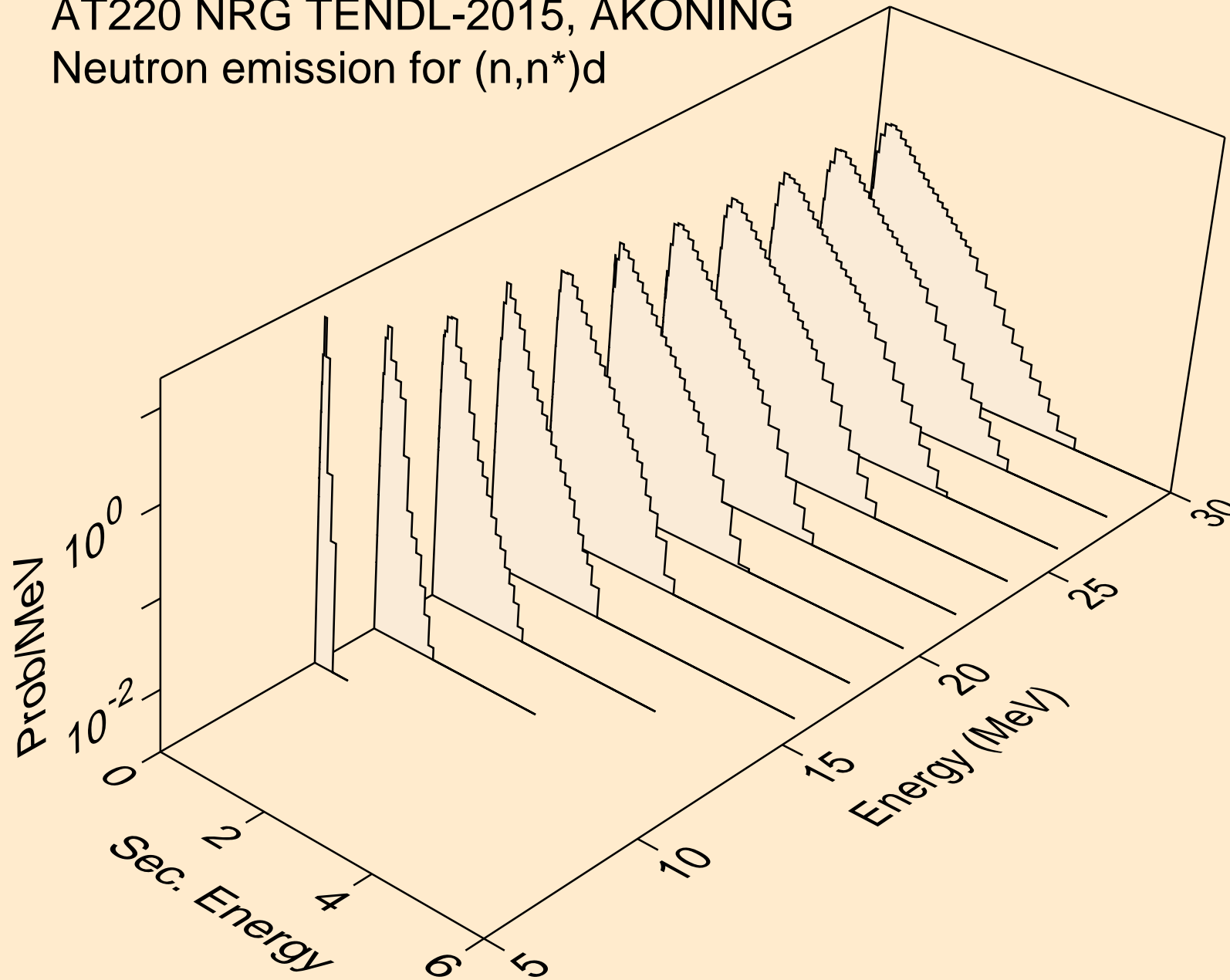
AT220 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



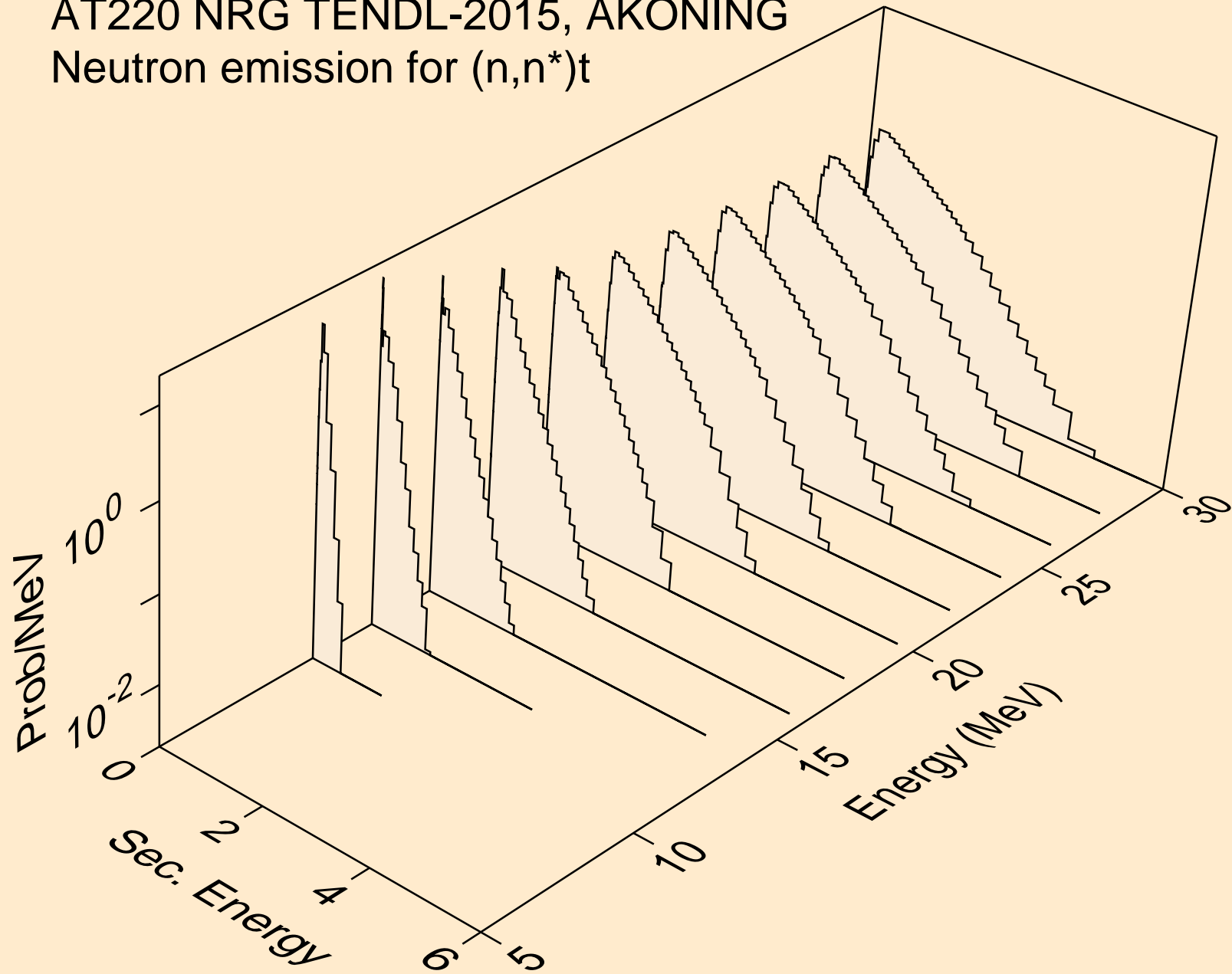
AT220 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)2a



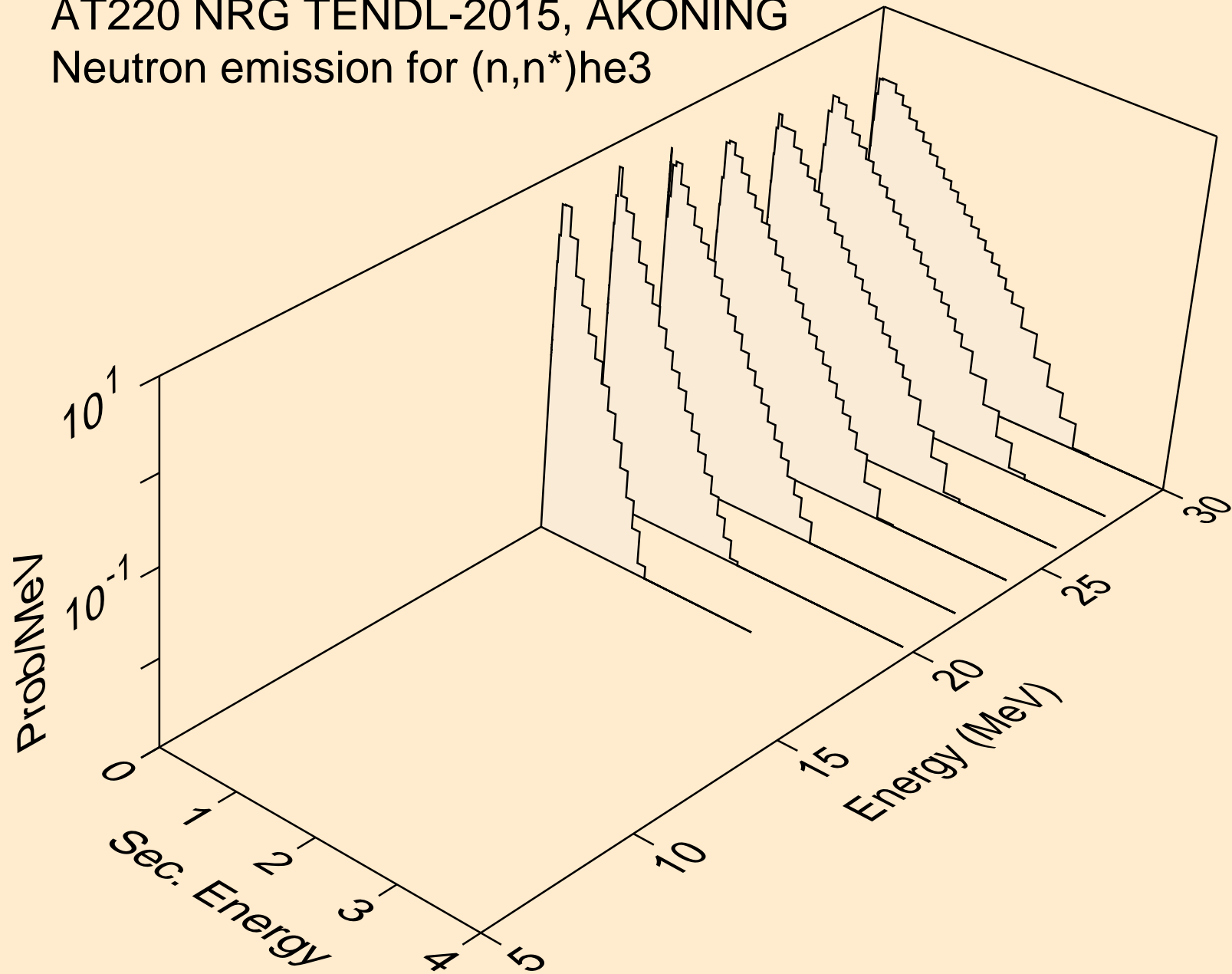
AT220 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



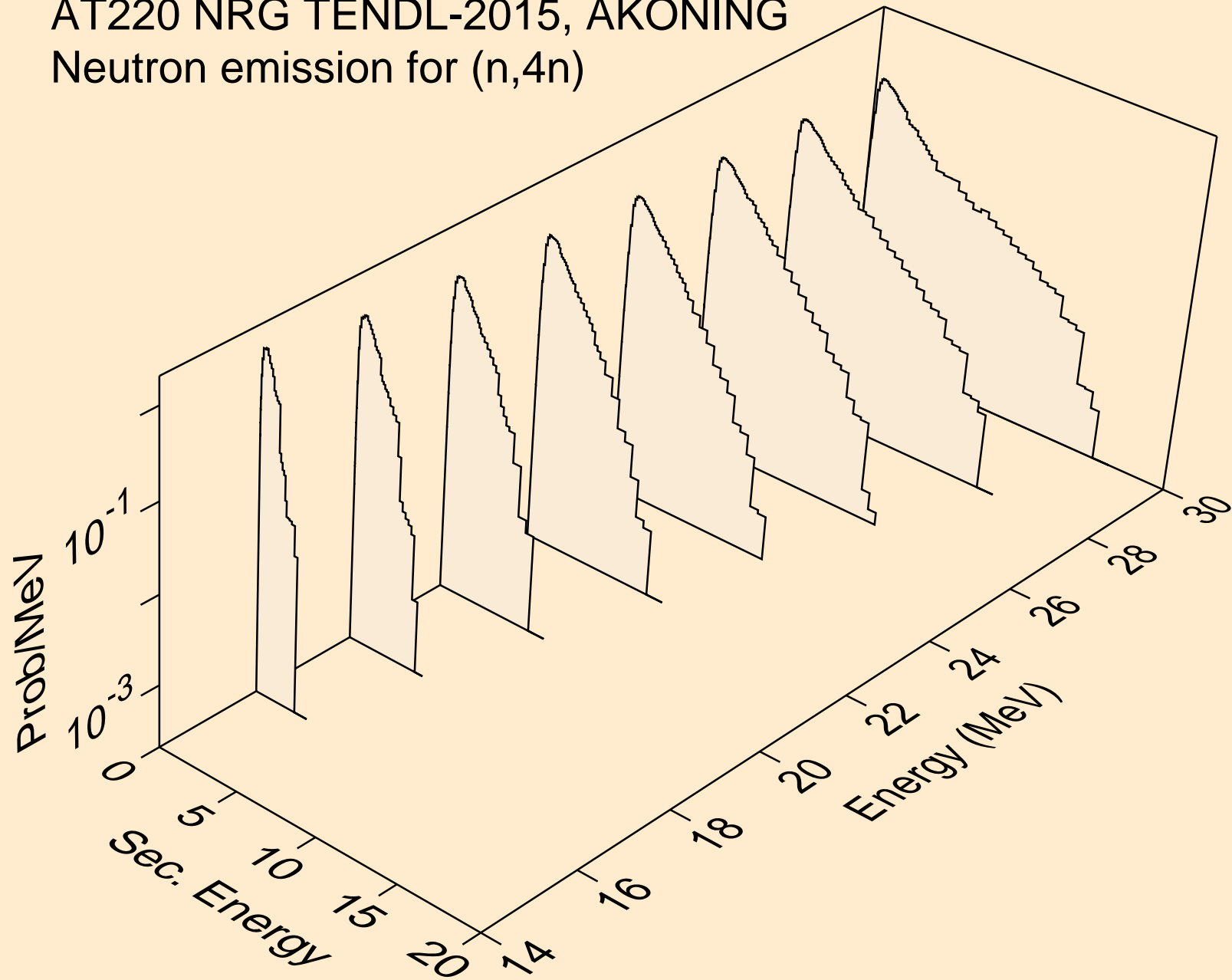
AT220 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



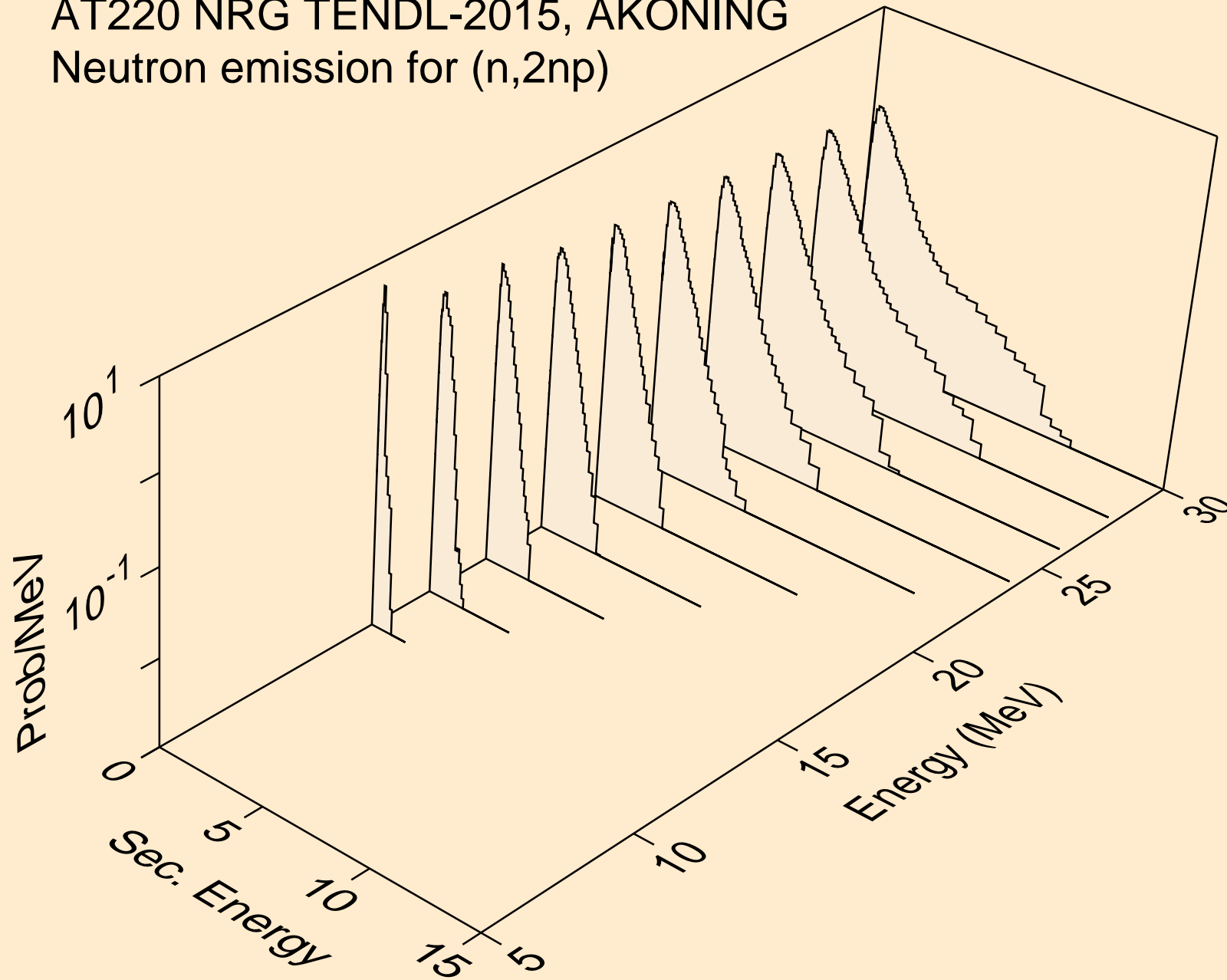
AT220 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



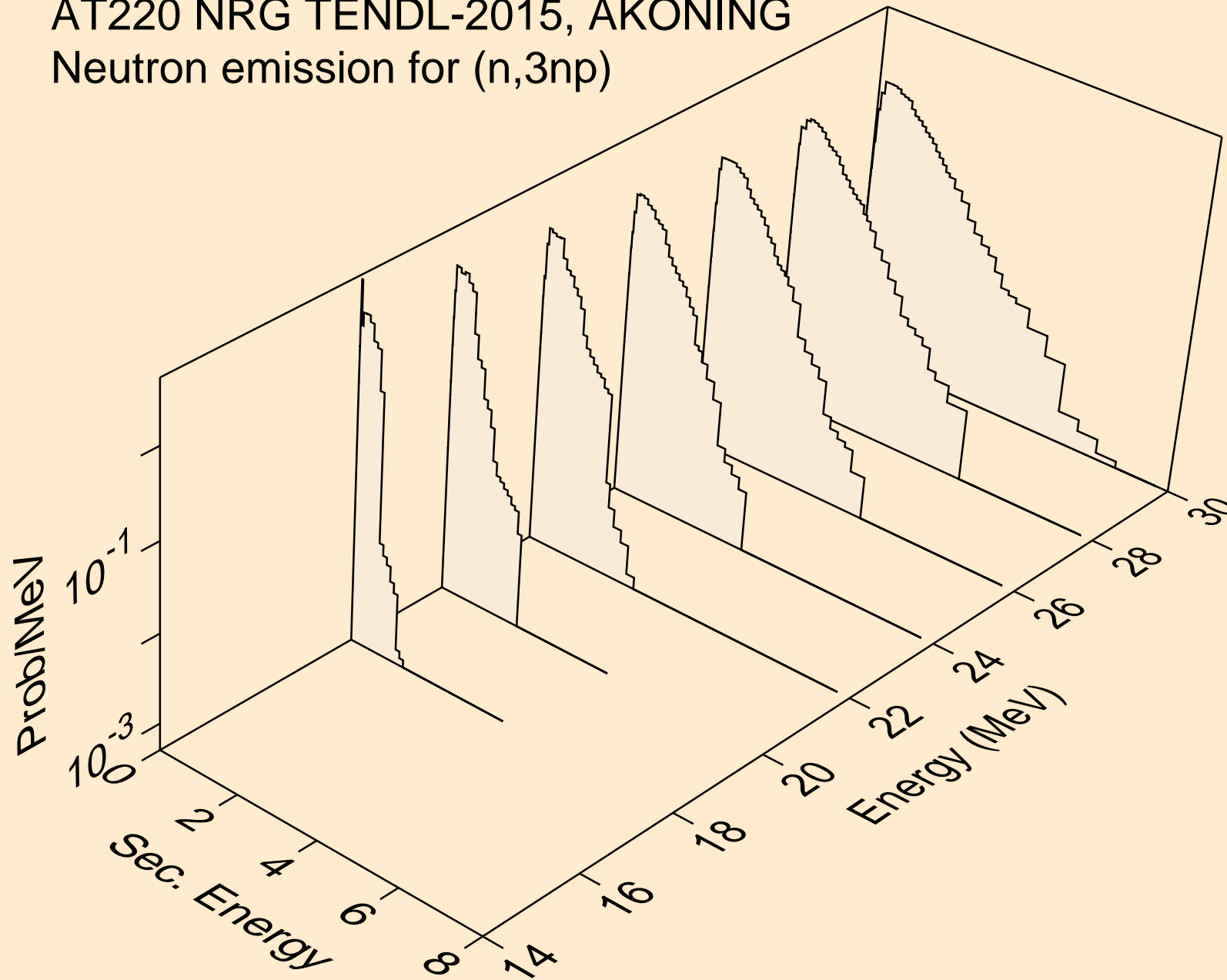
AT220 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



AT220 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)

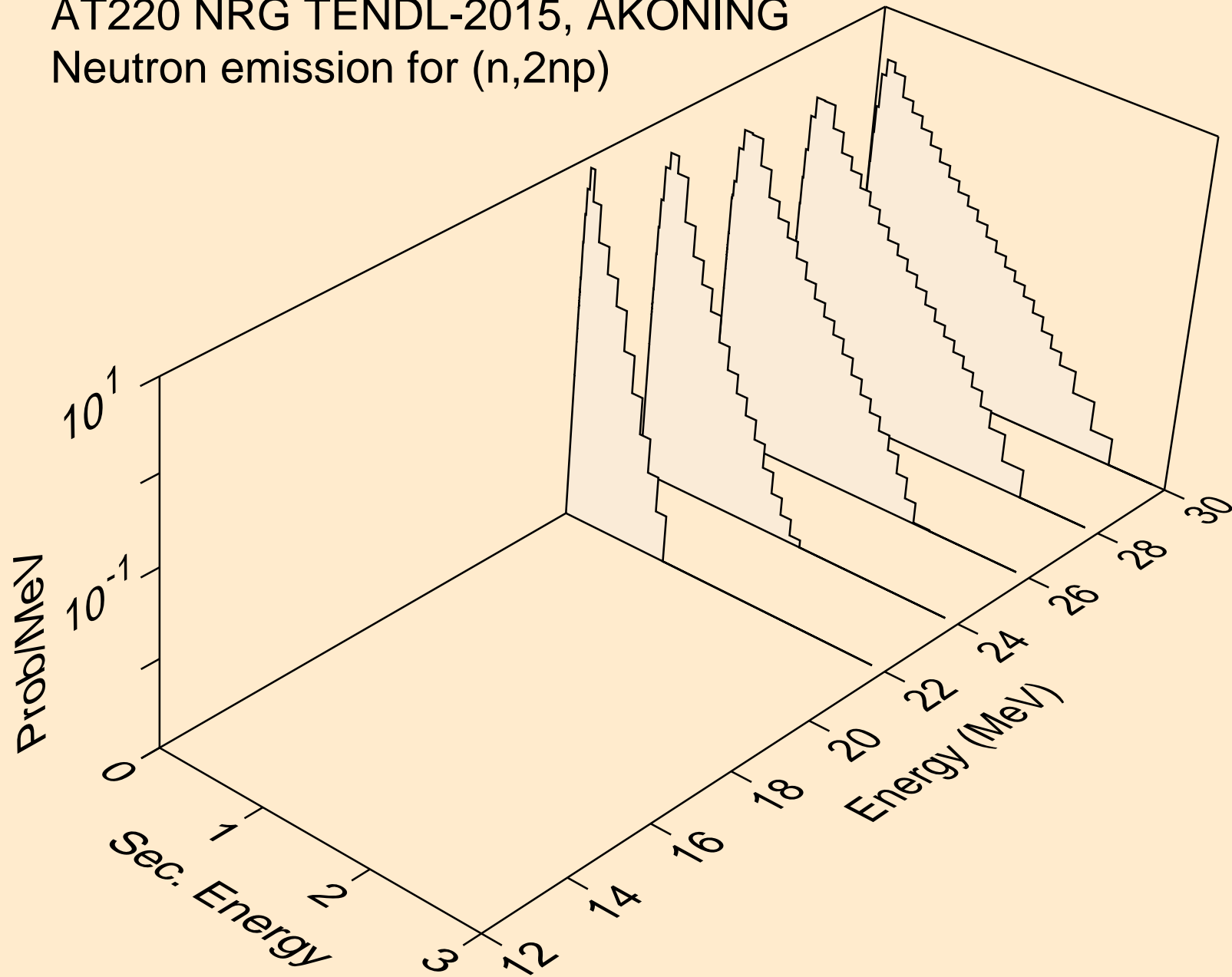


AT220 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)

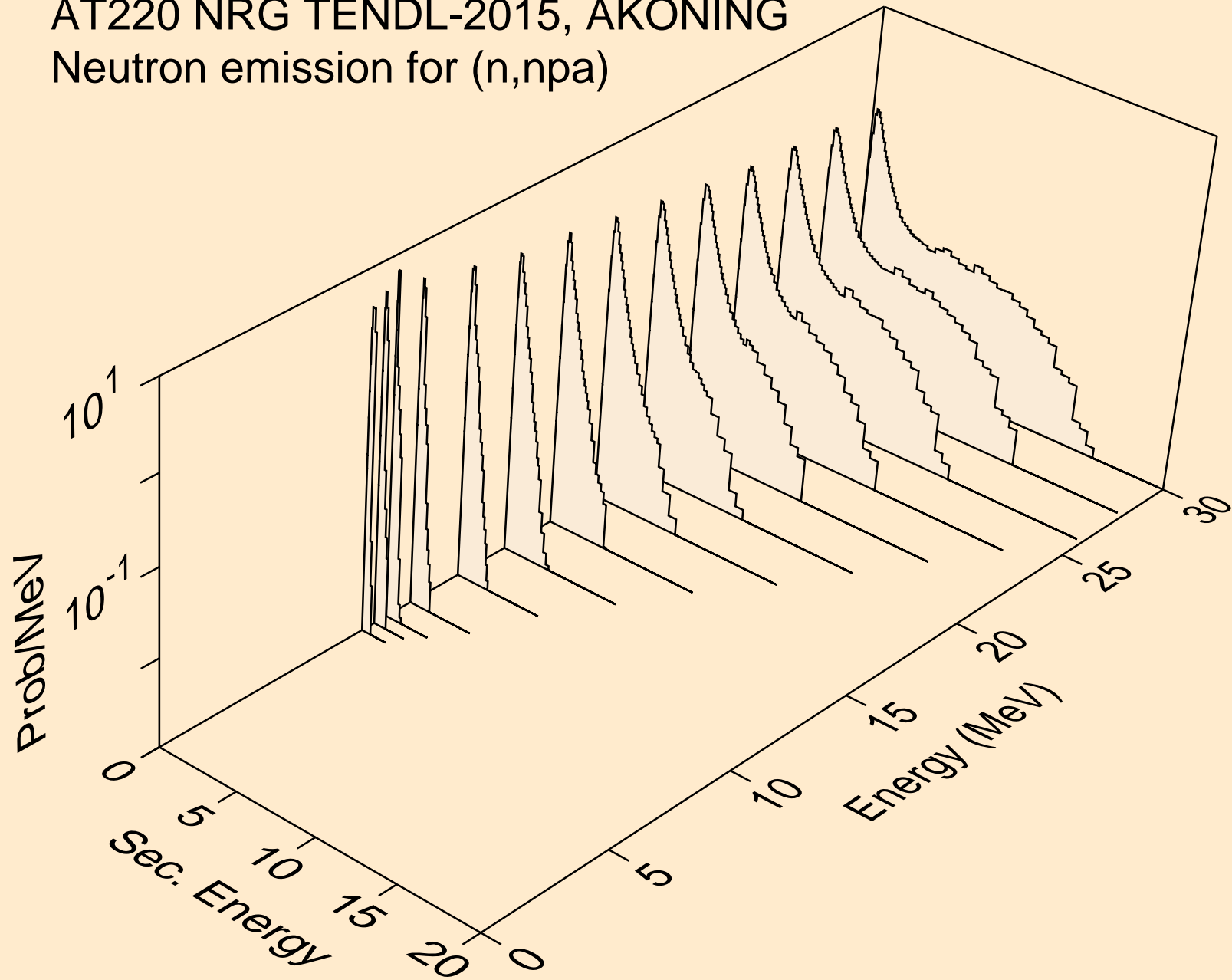




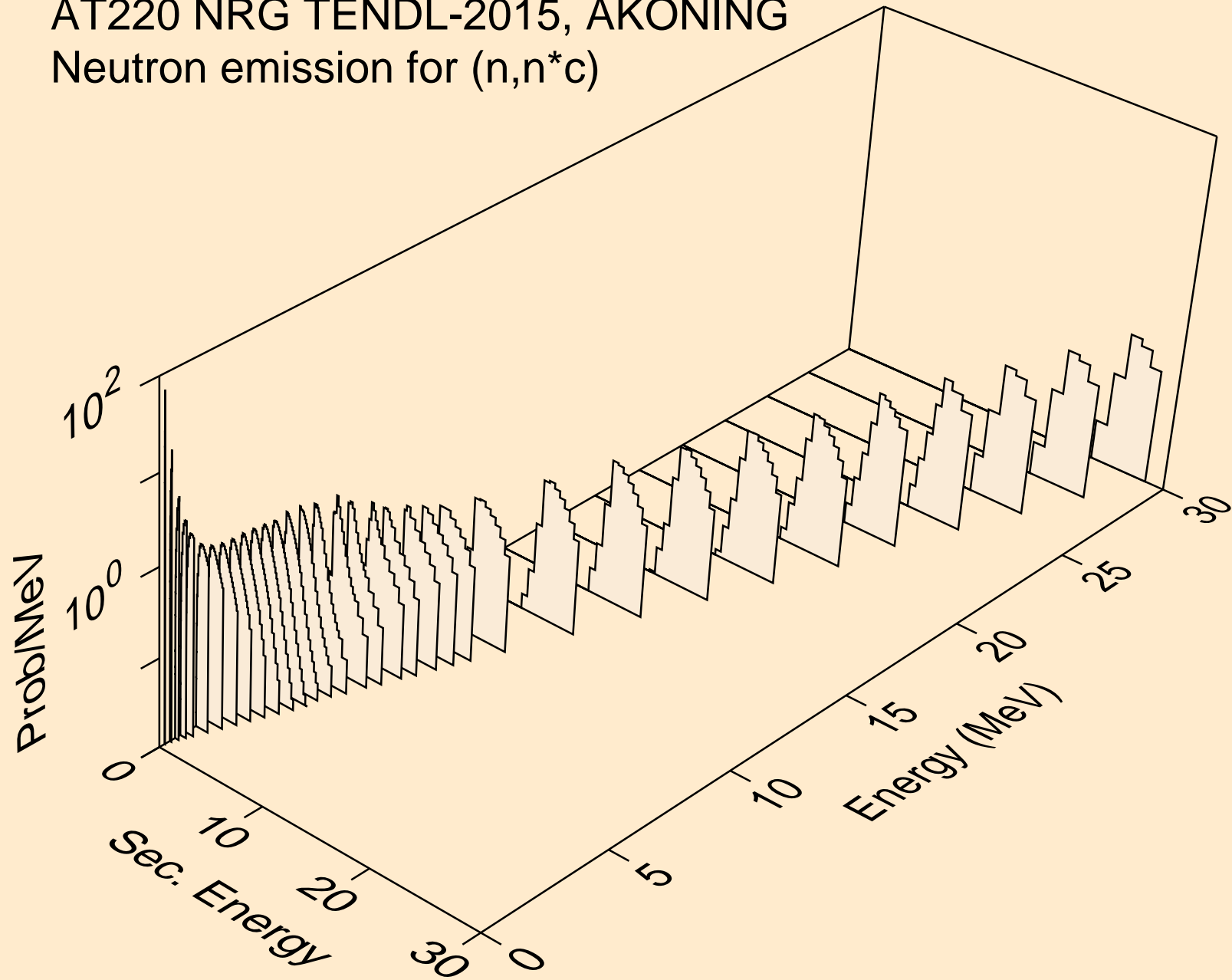
AT220 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



AT220 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)

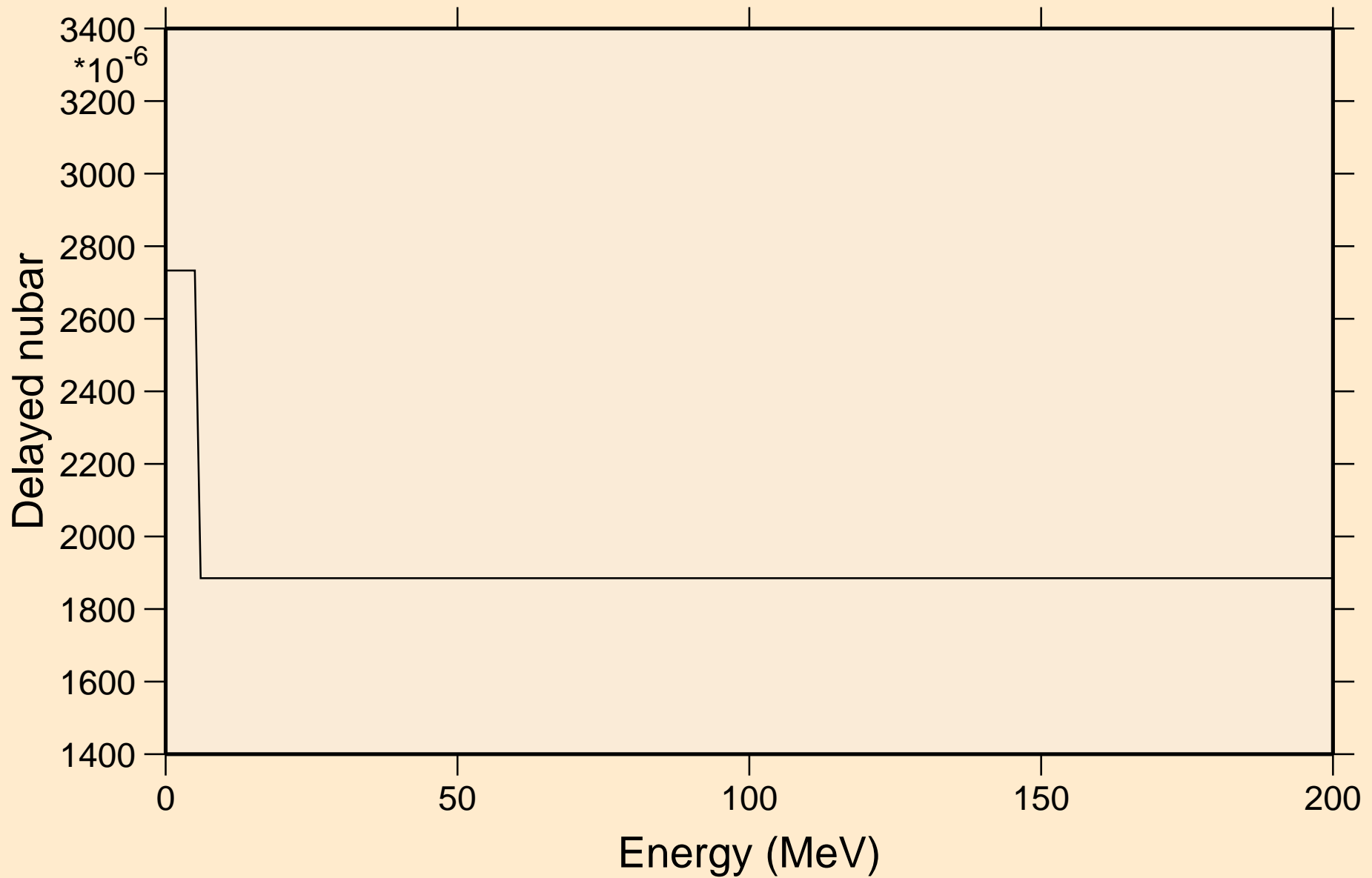


AT220 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



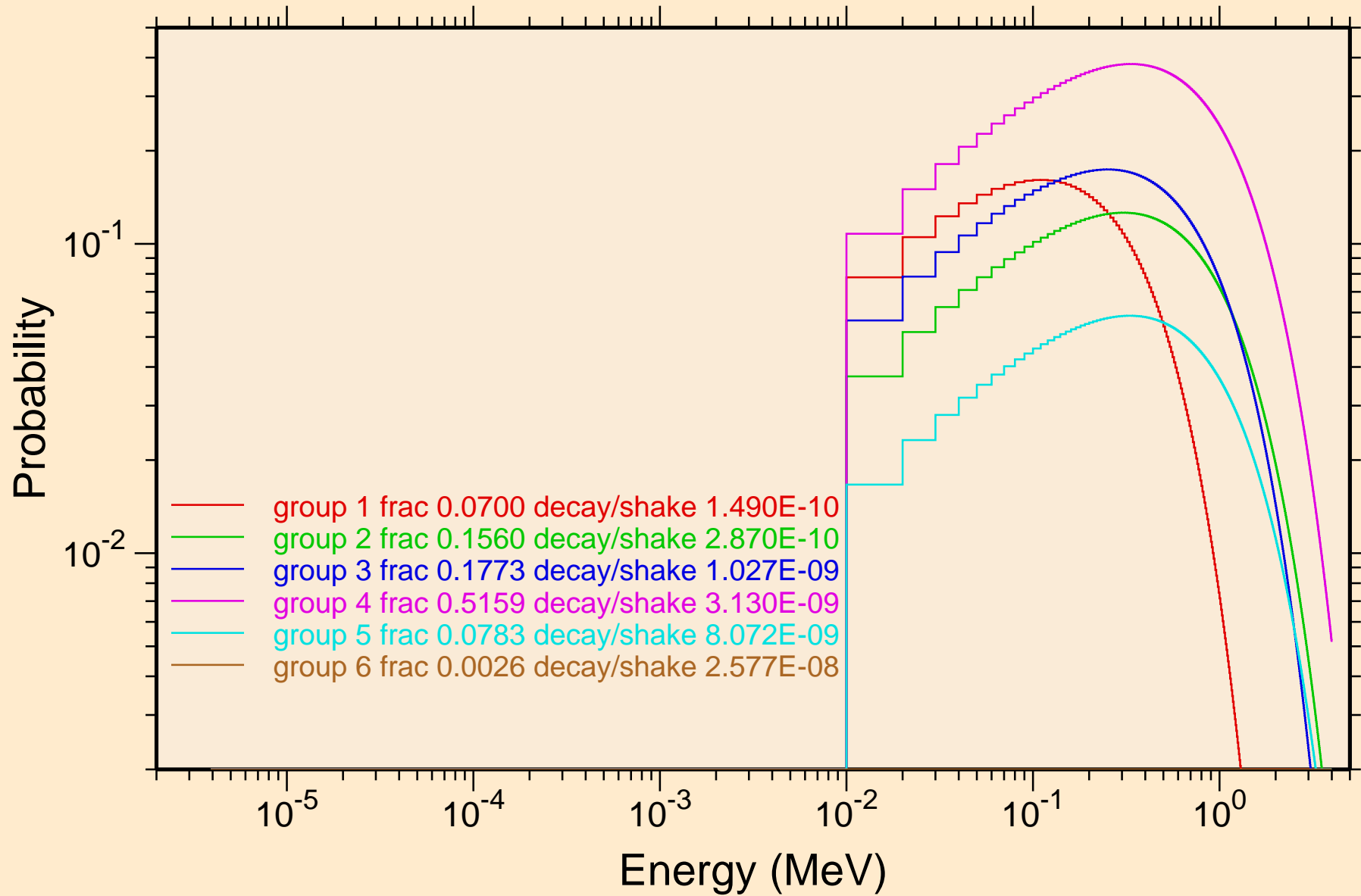
# AT220 NRG TENDL-2015, AKONING

## Delayed nubar

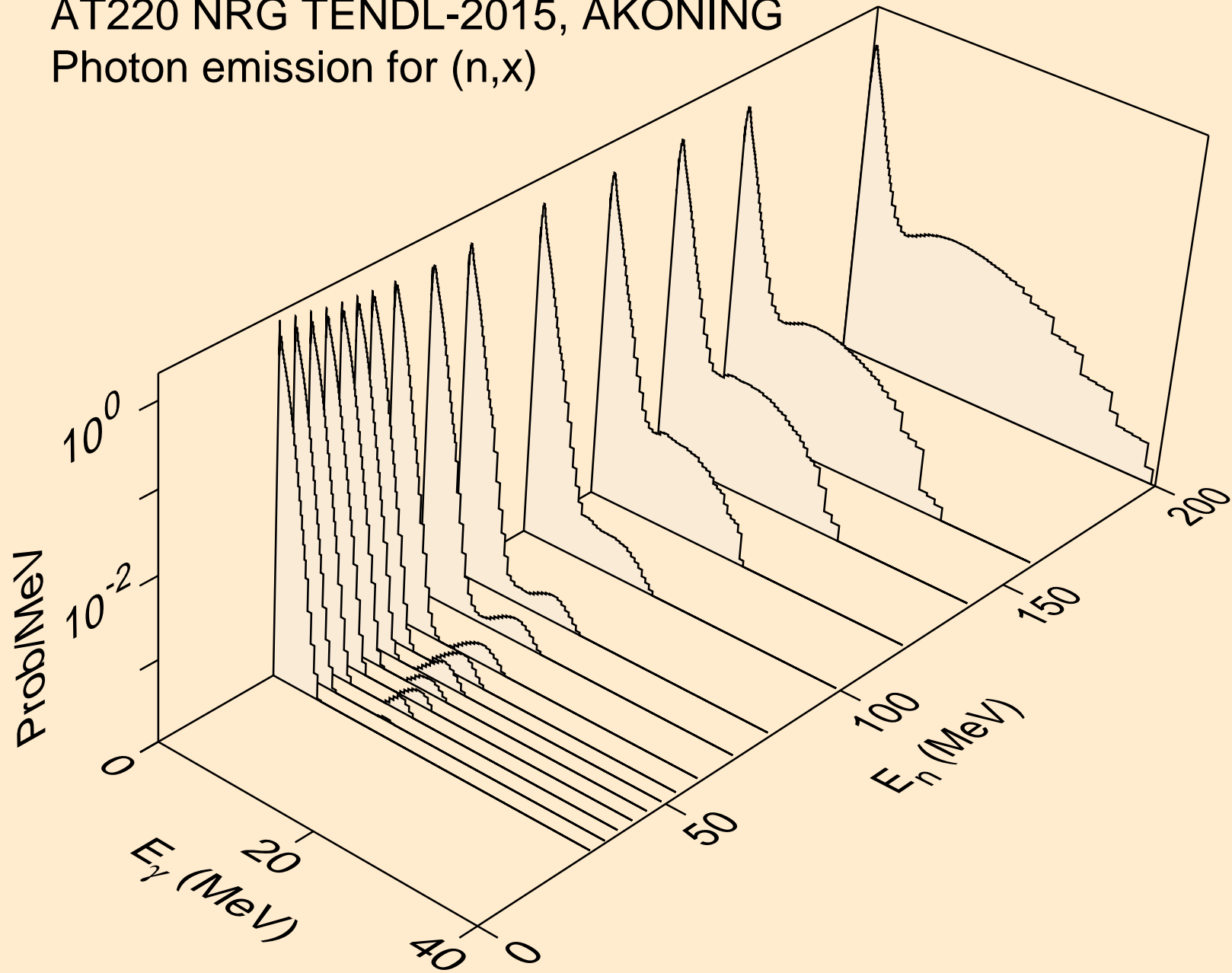


# AT220 NRG TENDL-2015, AKONING

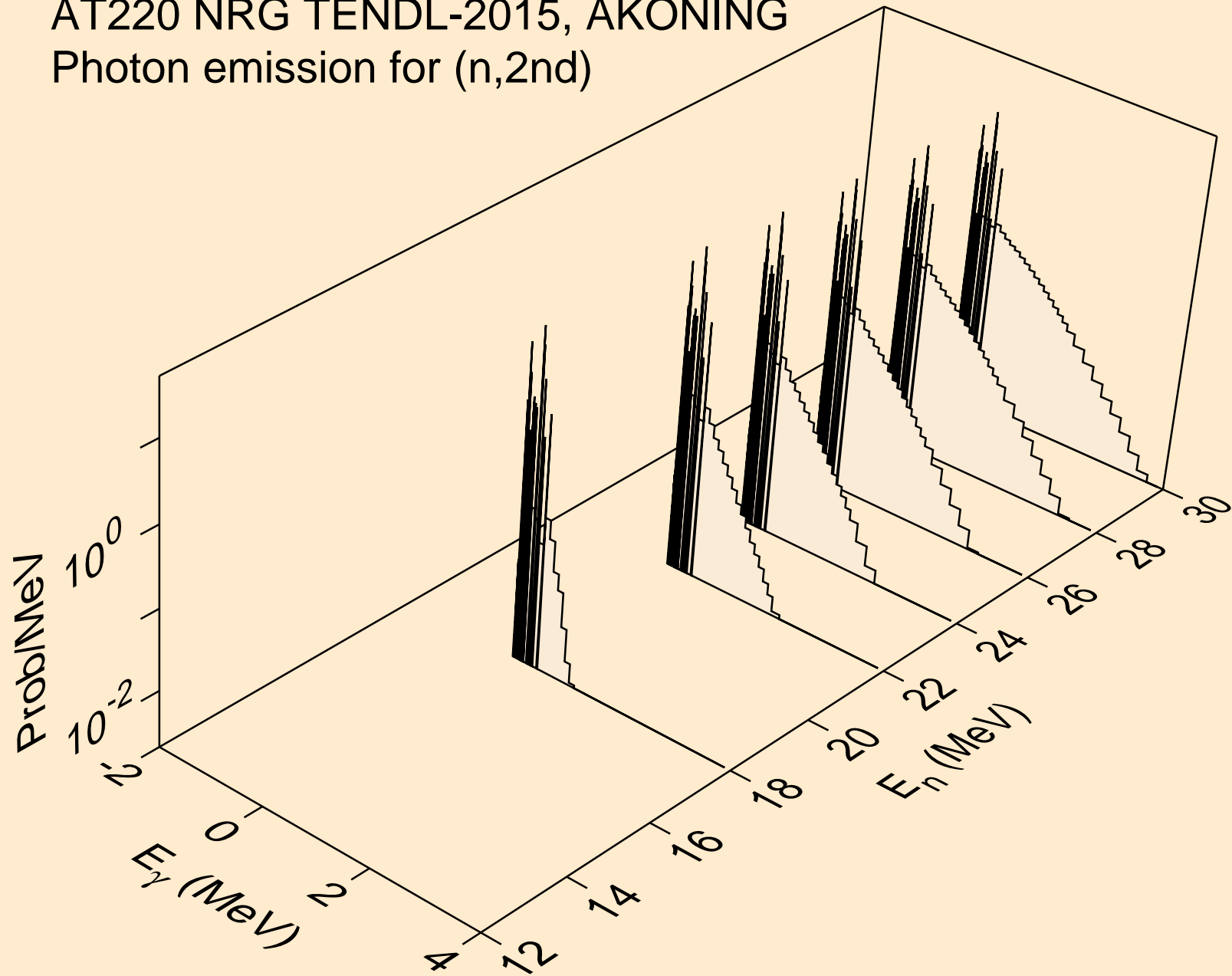
## Delayed neutron spectra



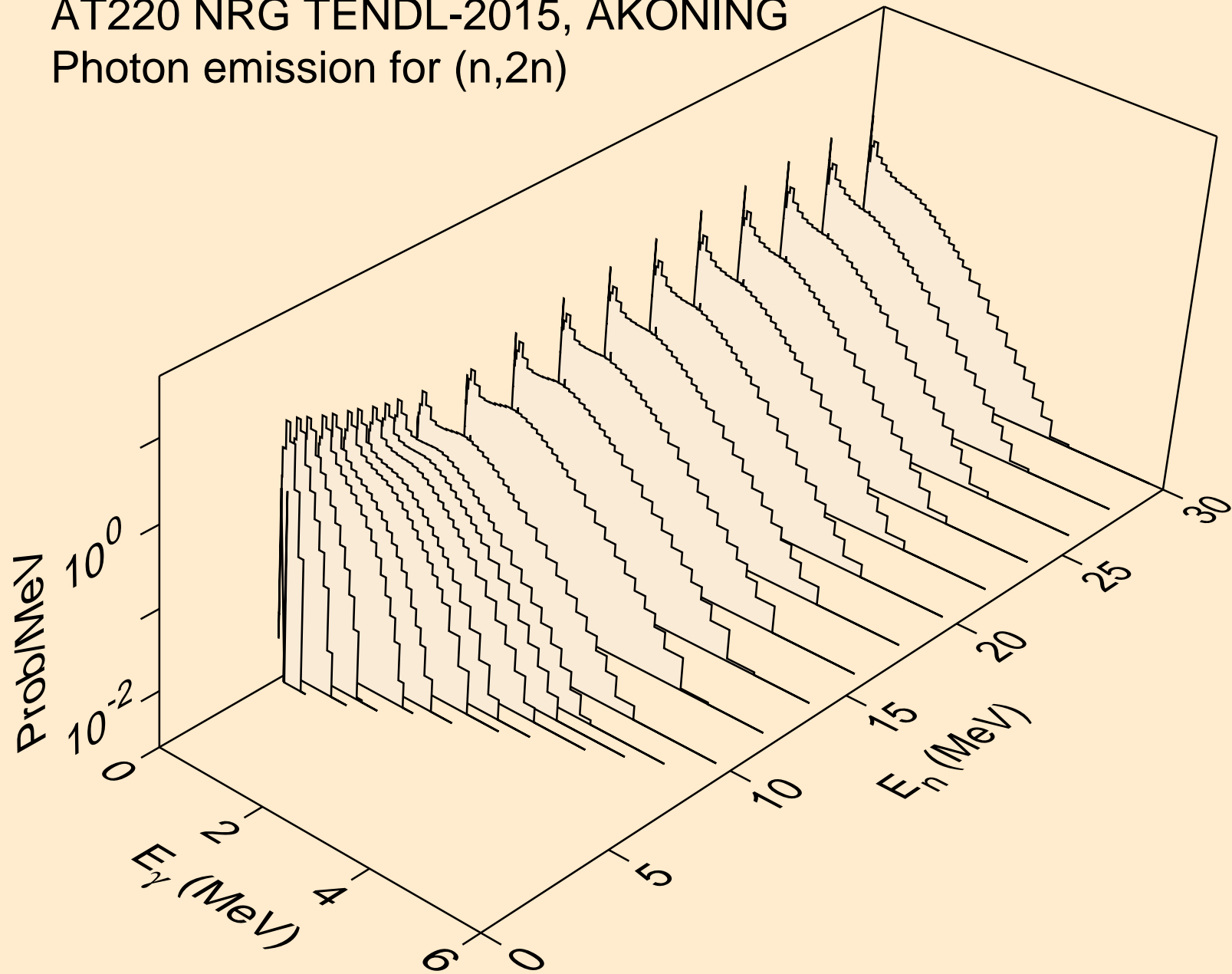
AT220 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



AT220 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)

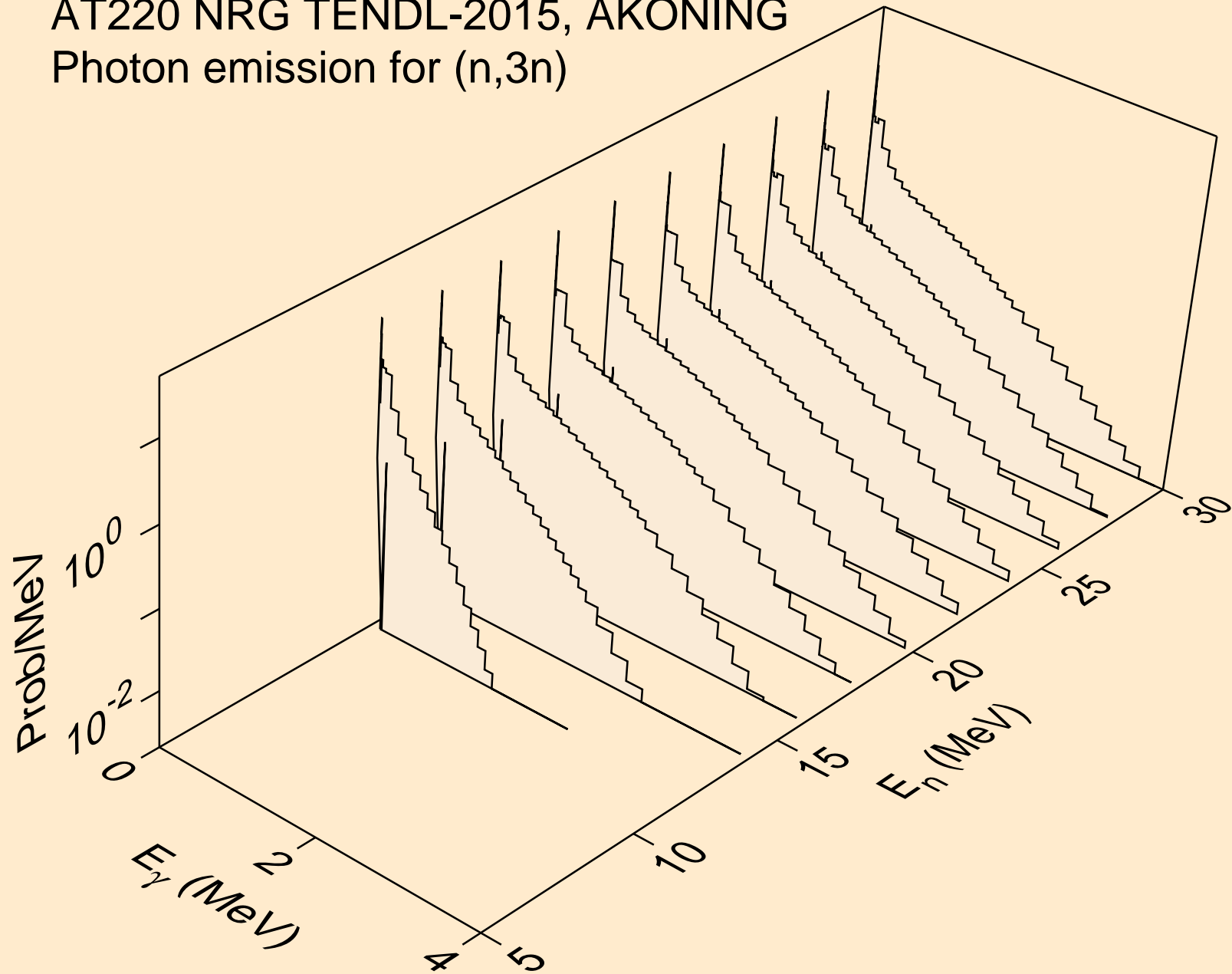


AT220 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)

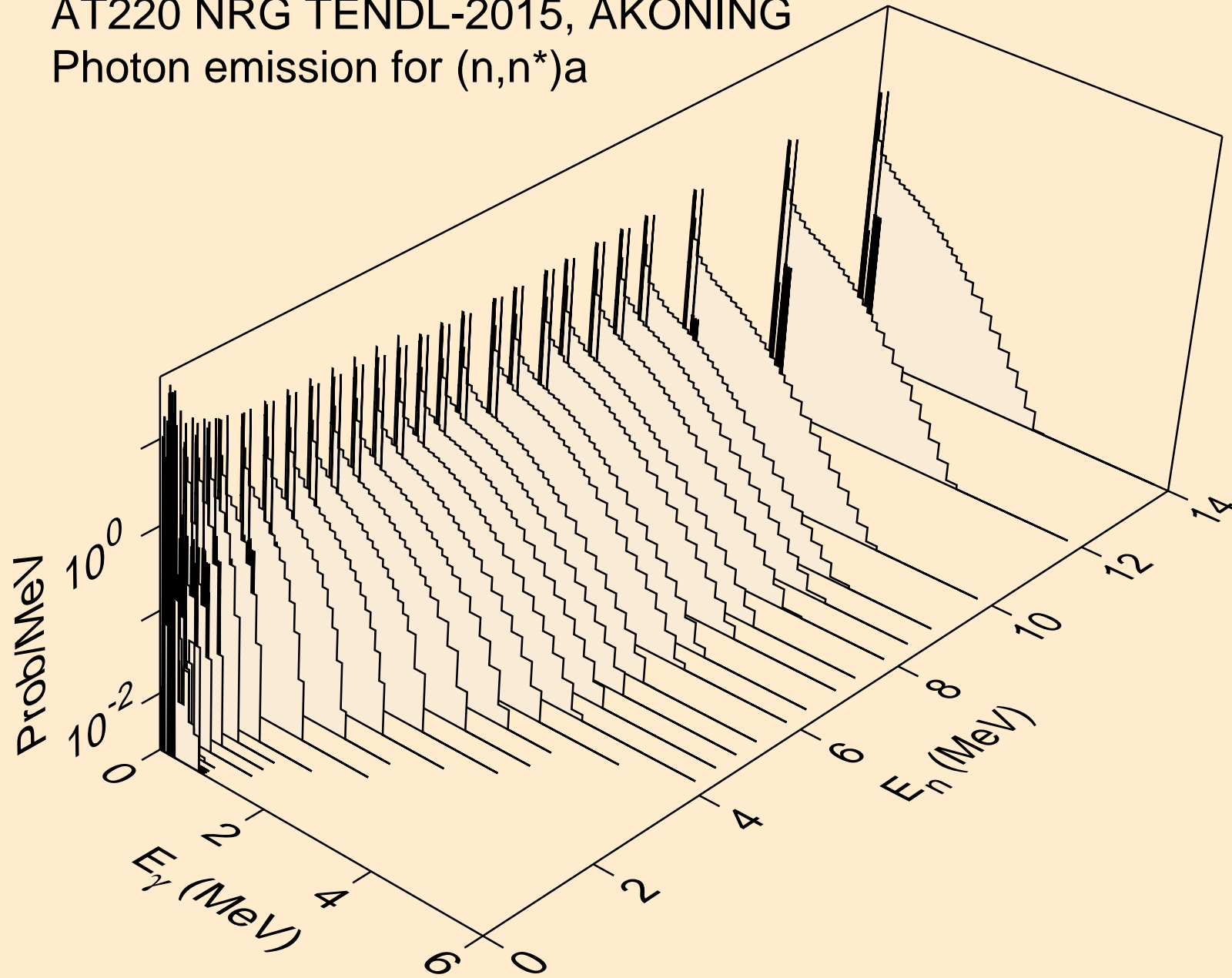




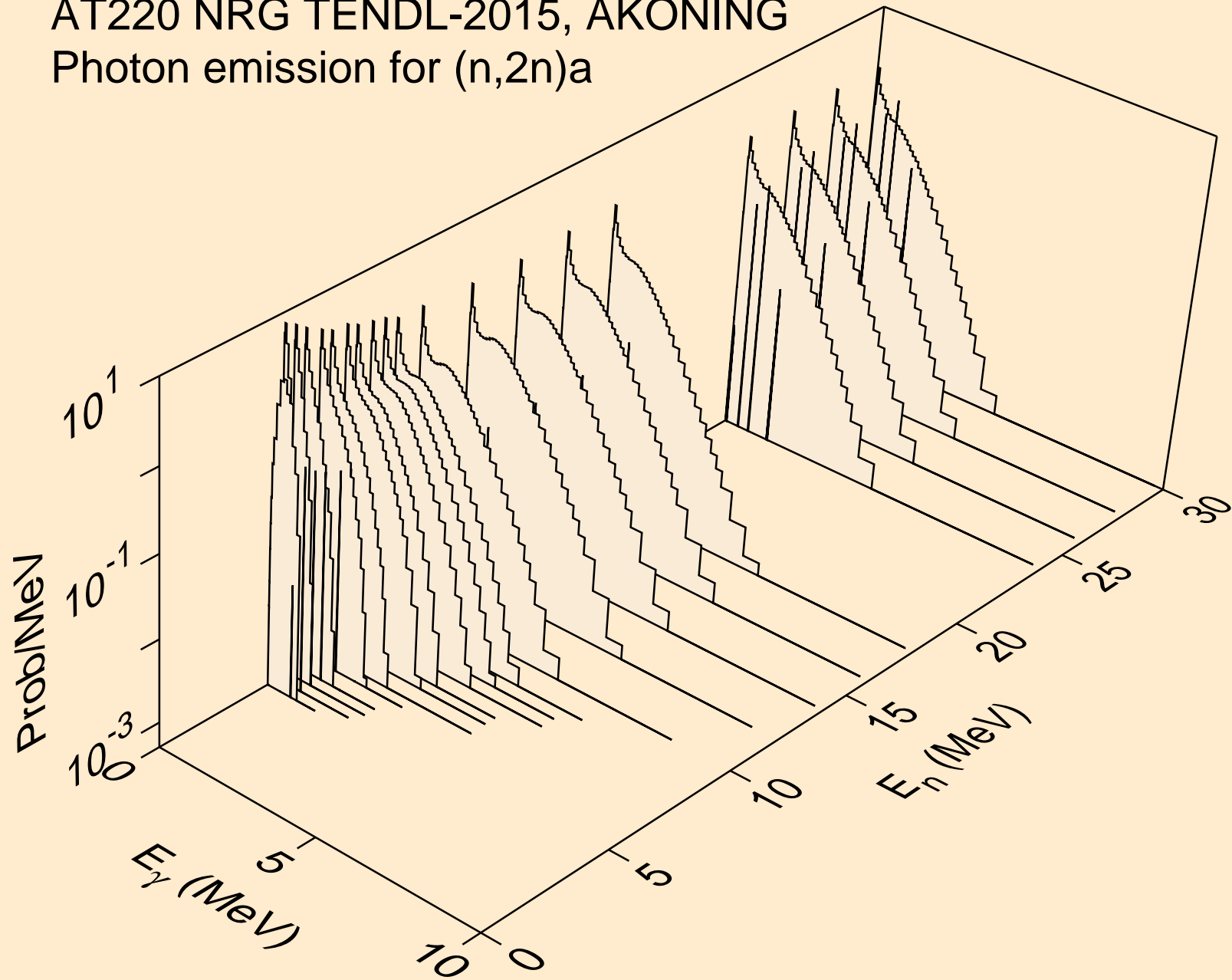
AT220 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



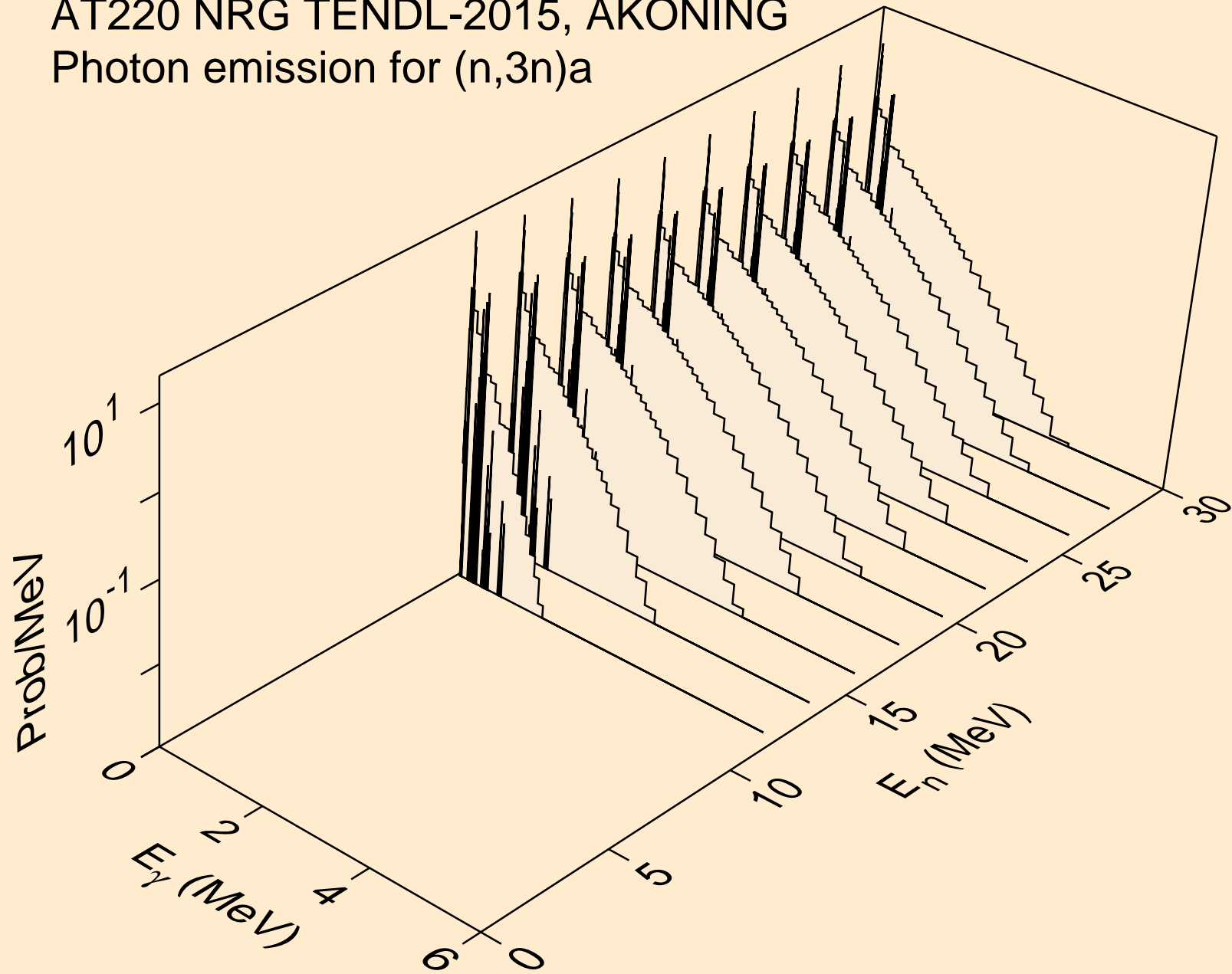
AT220 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



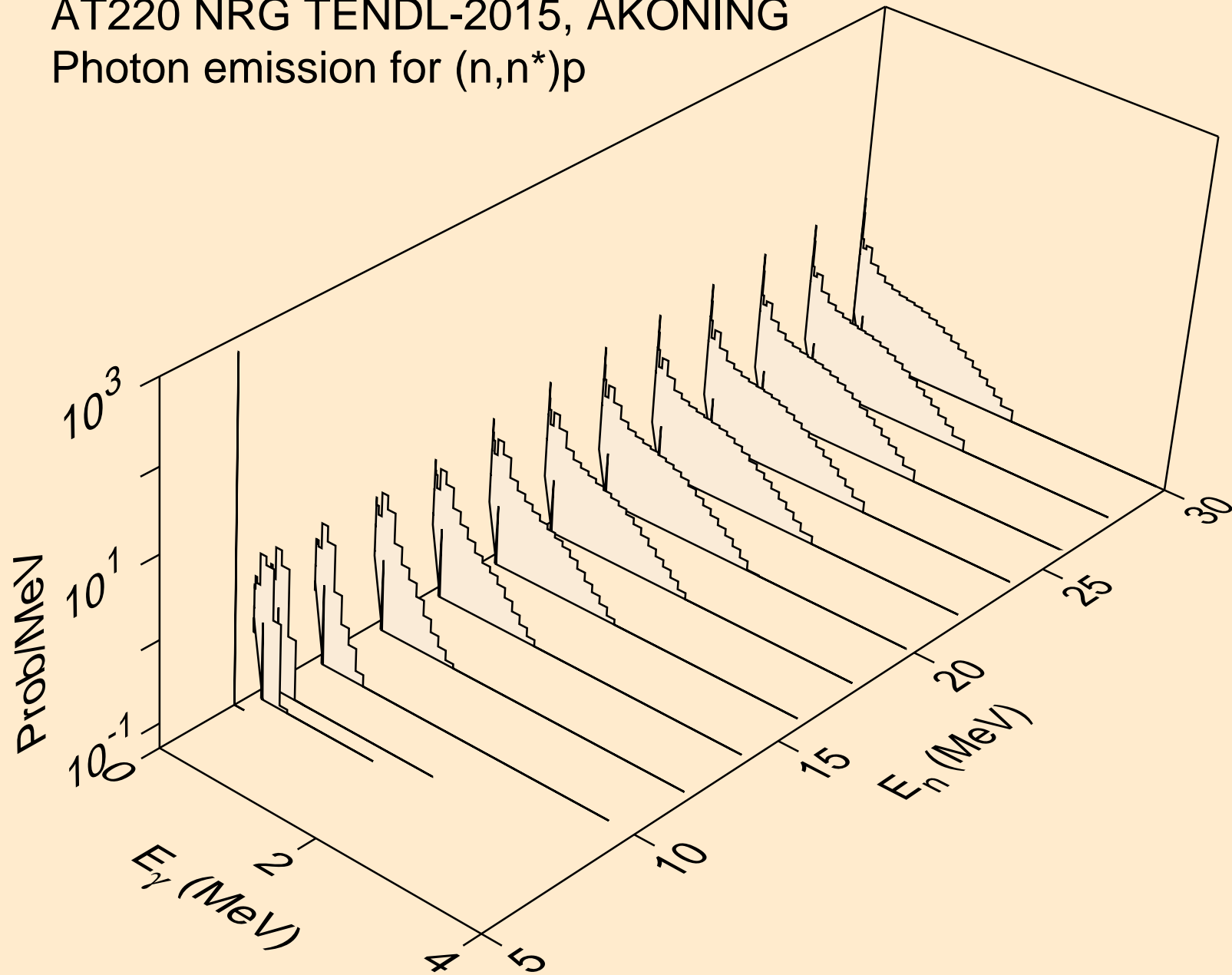
AT220 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



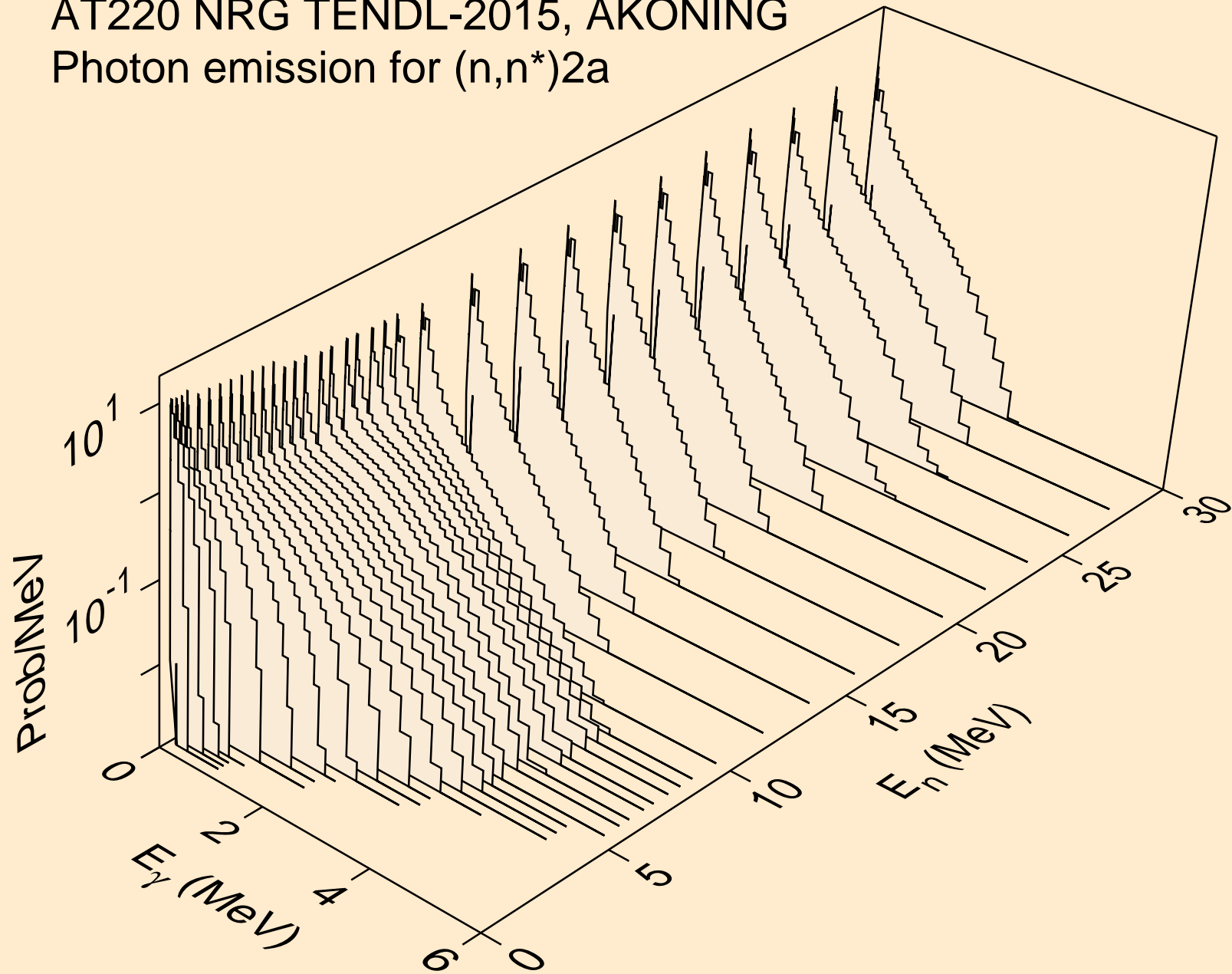
AT220 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



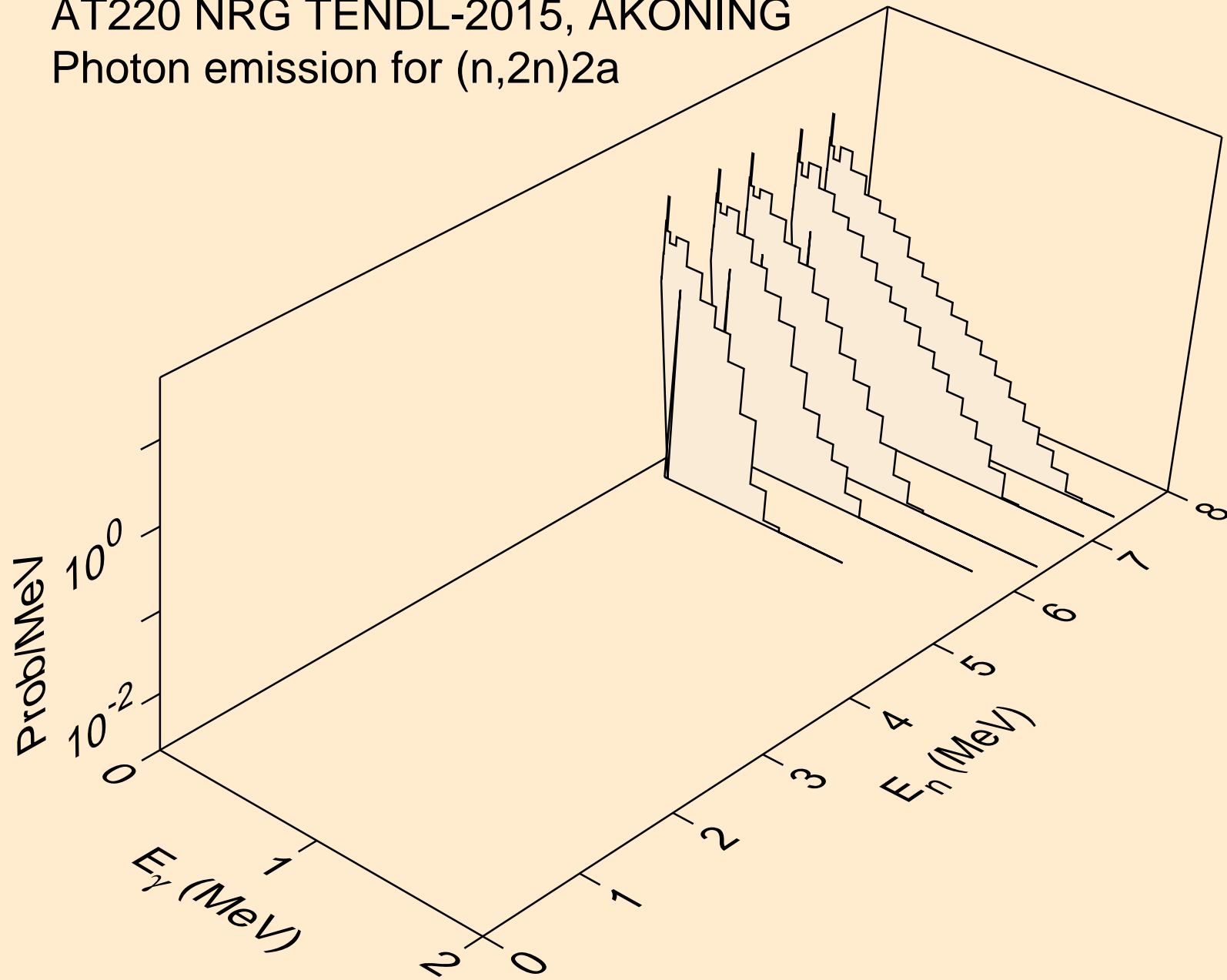
AT220 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



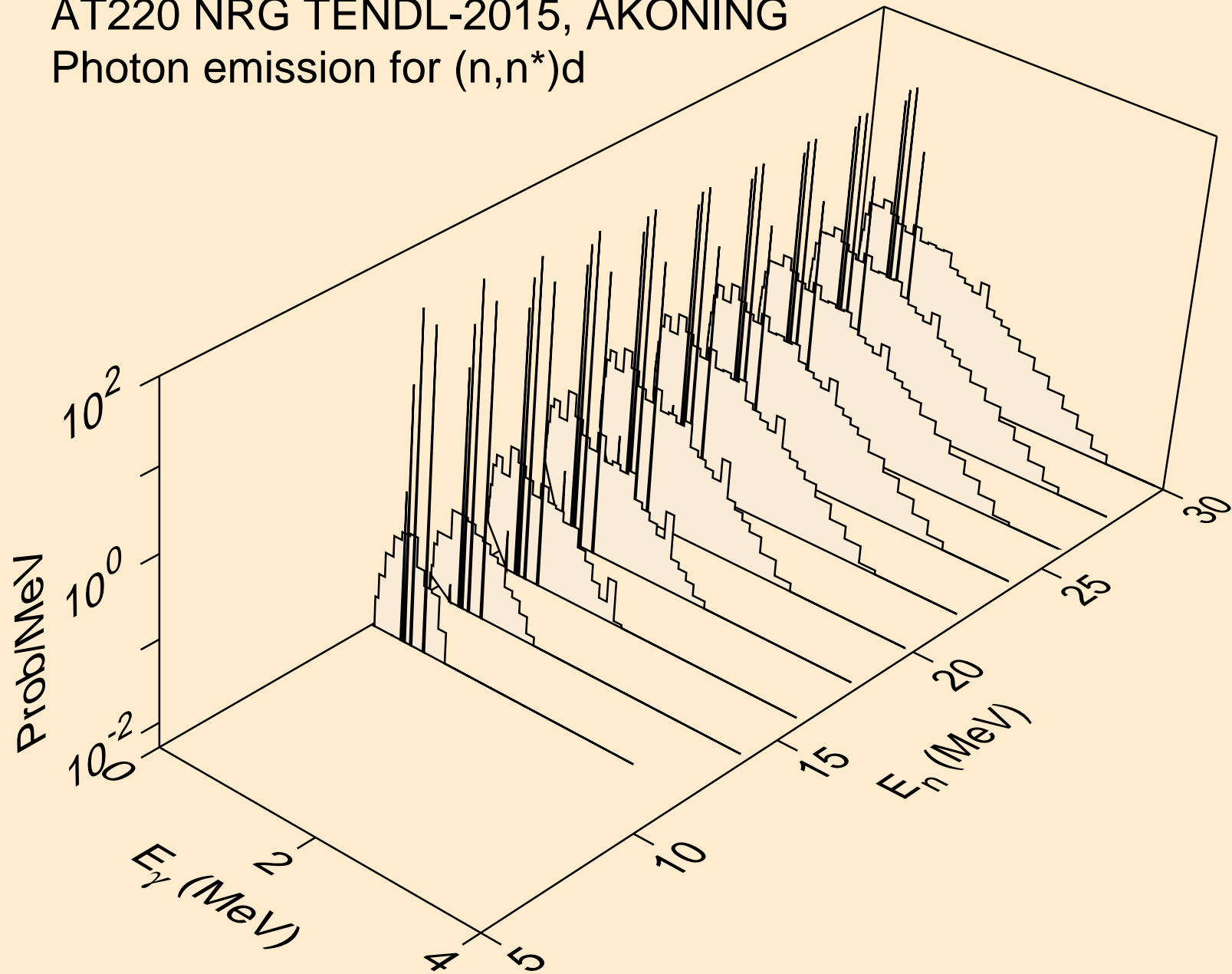
AT220 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



AT220 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a

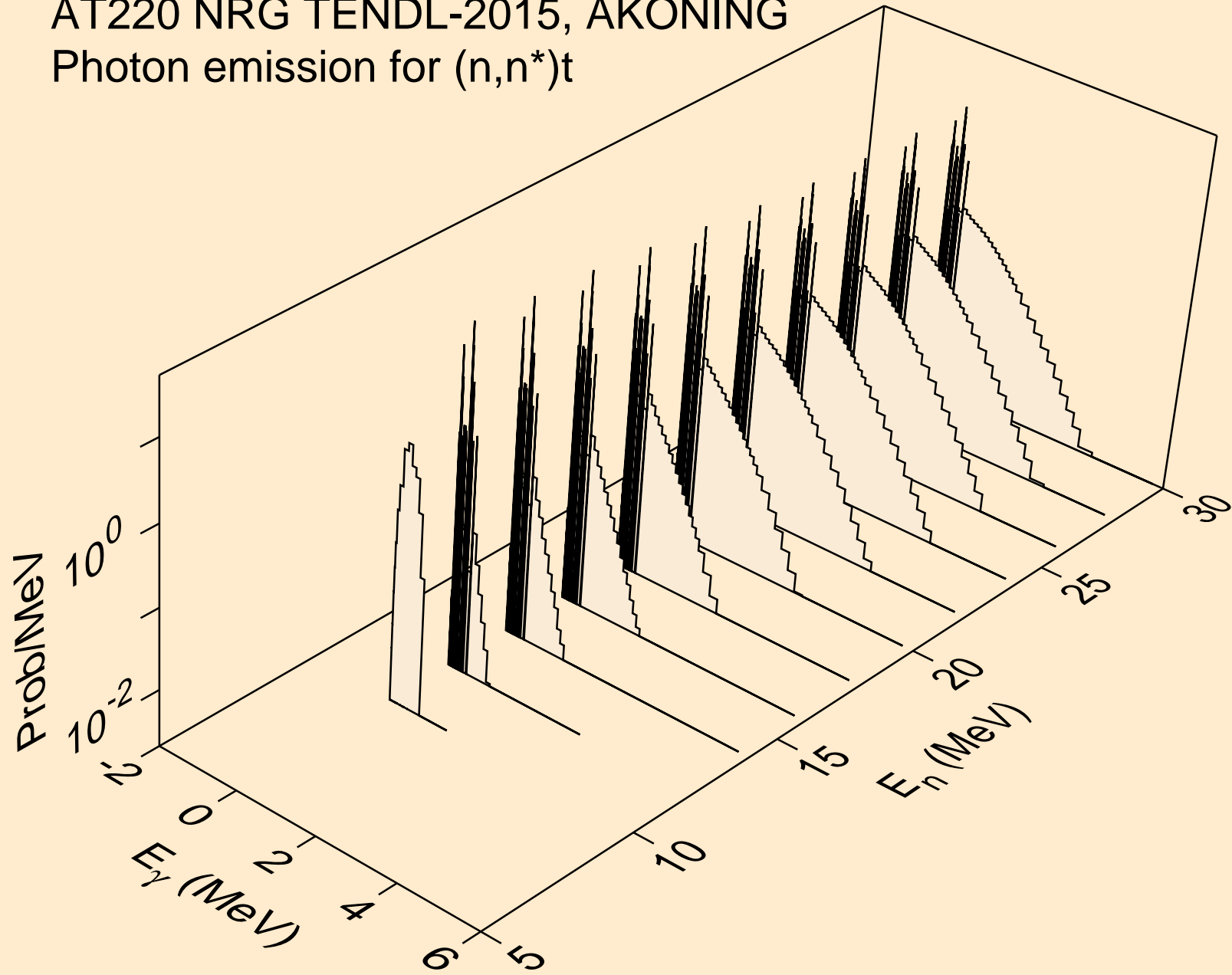


AT220 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d

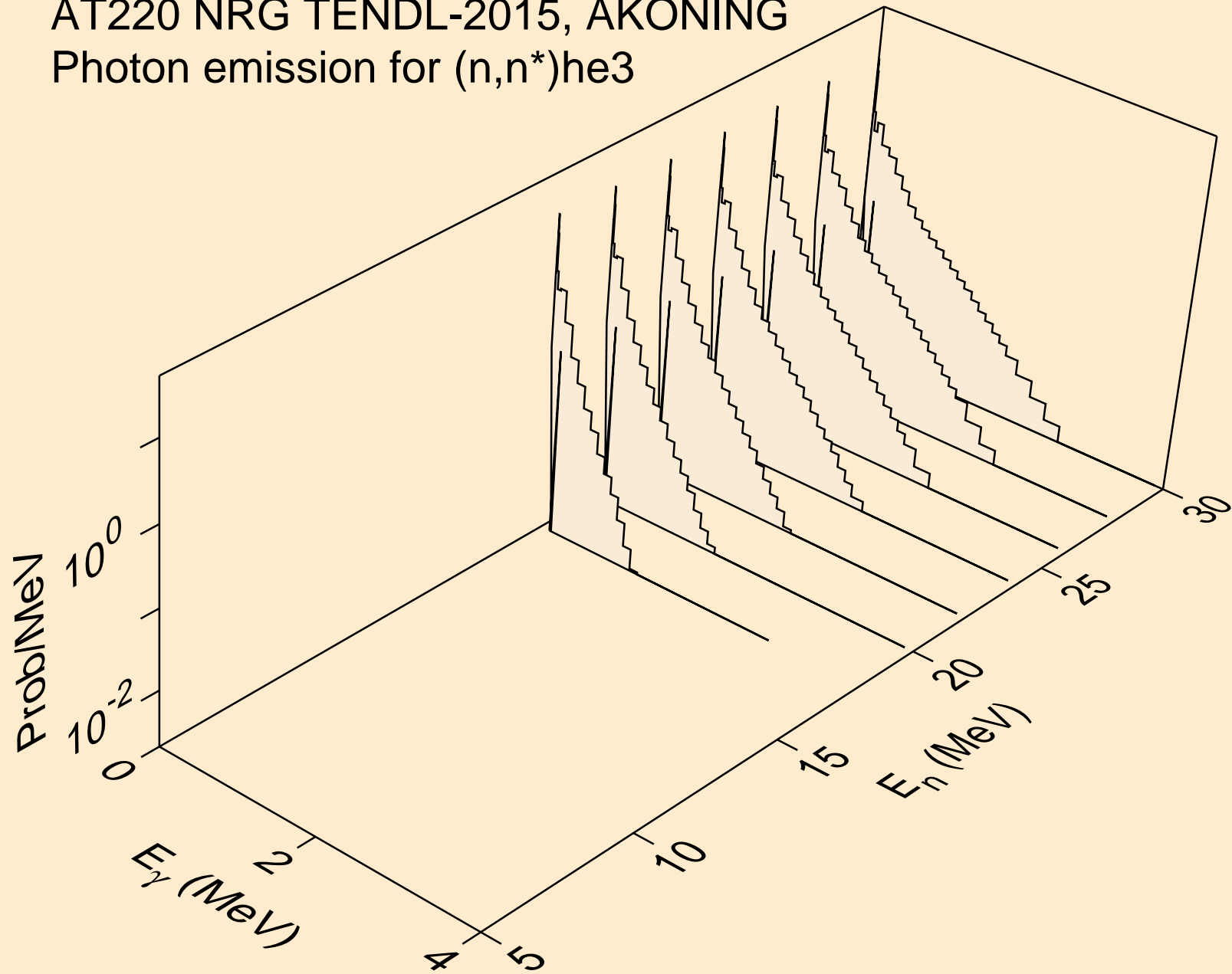




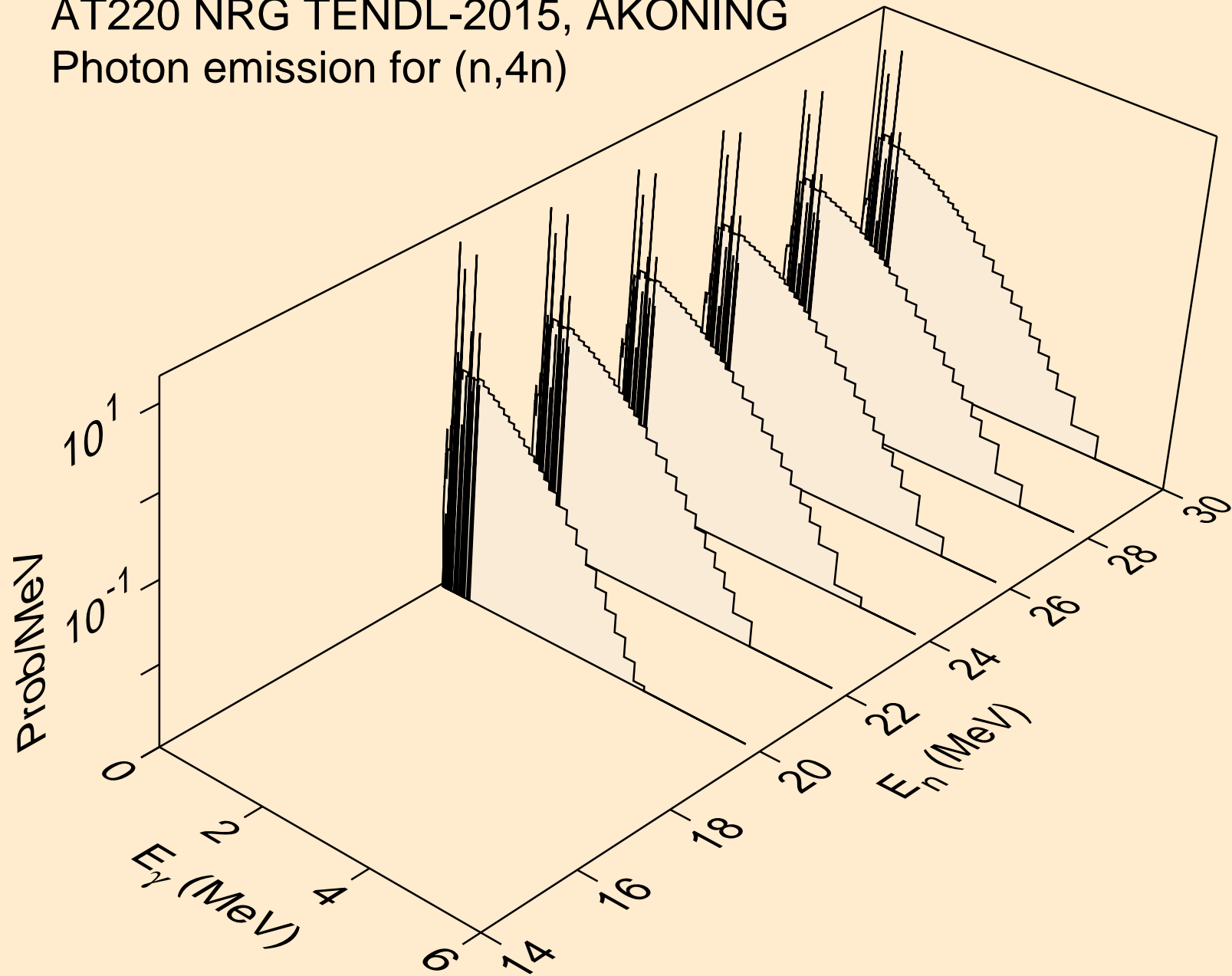
AT220 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



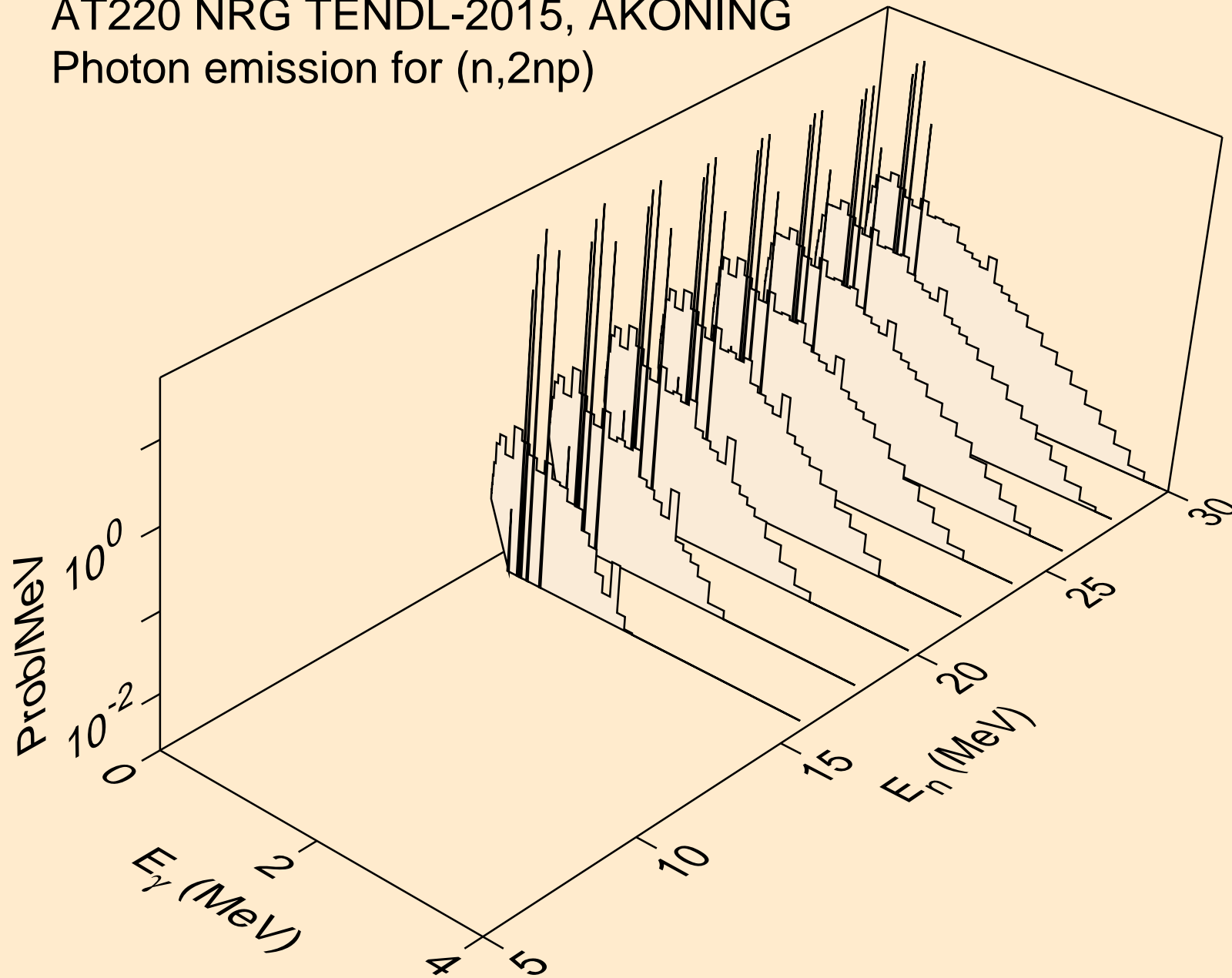
AT220 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



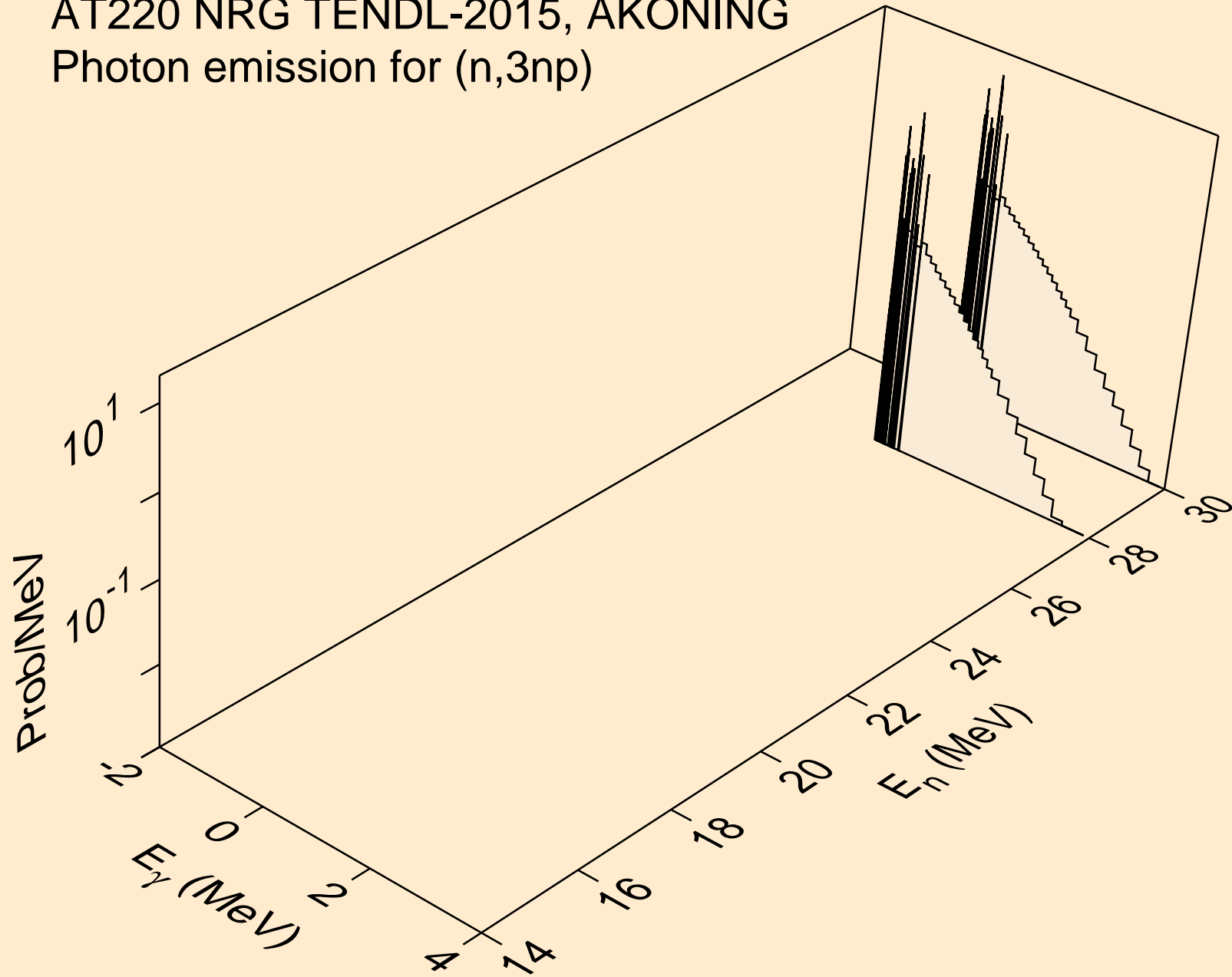
AT220 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



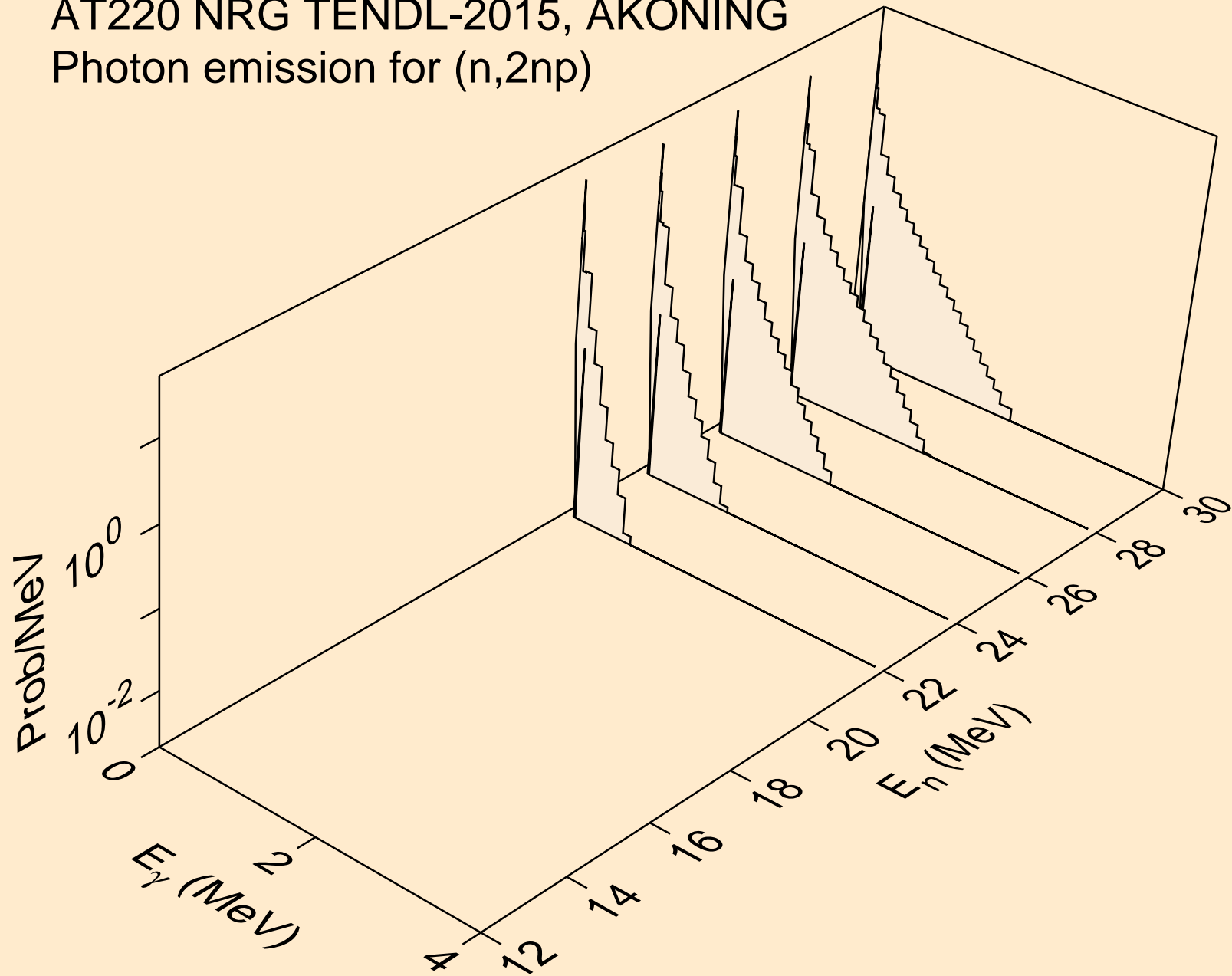
AT220 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



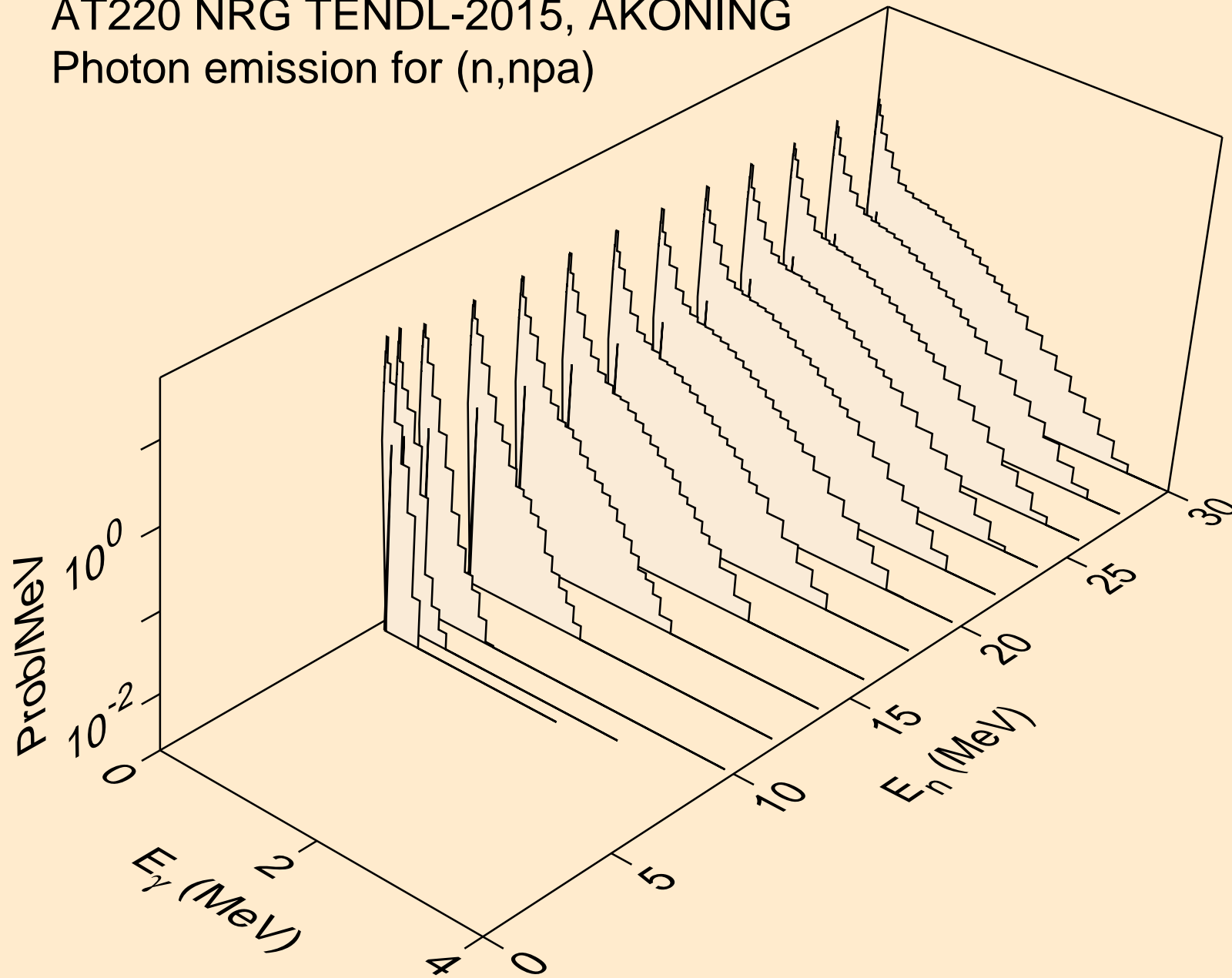
AT220 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



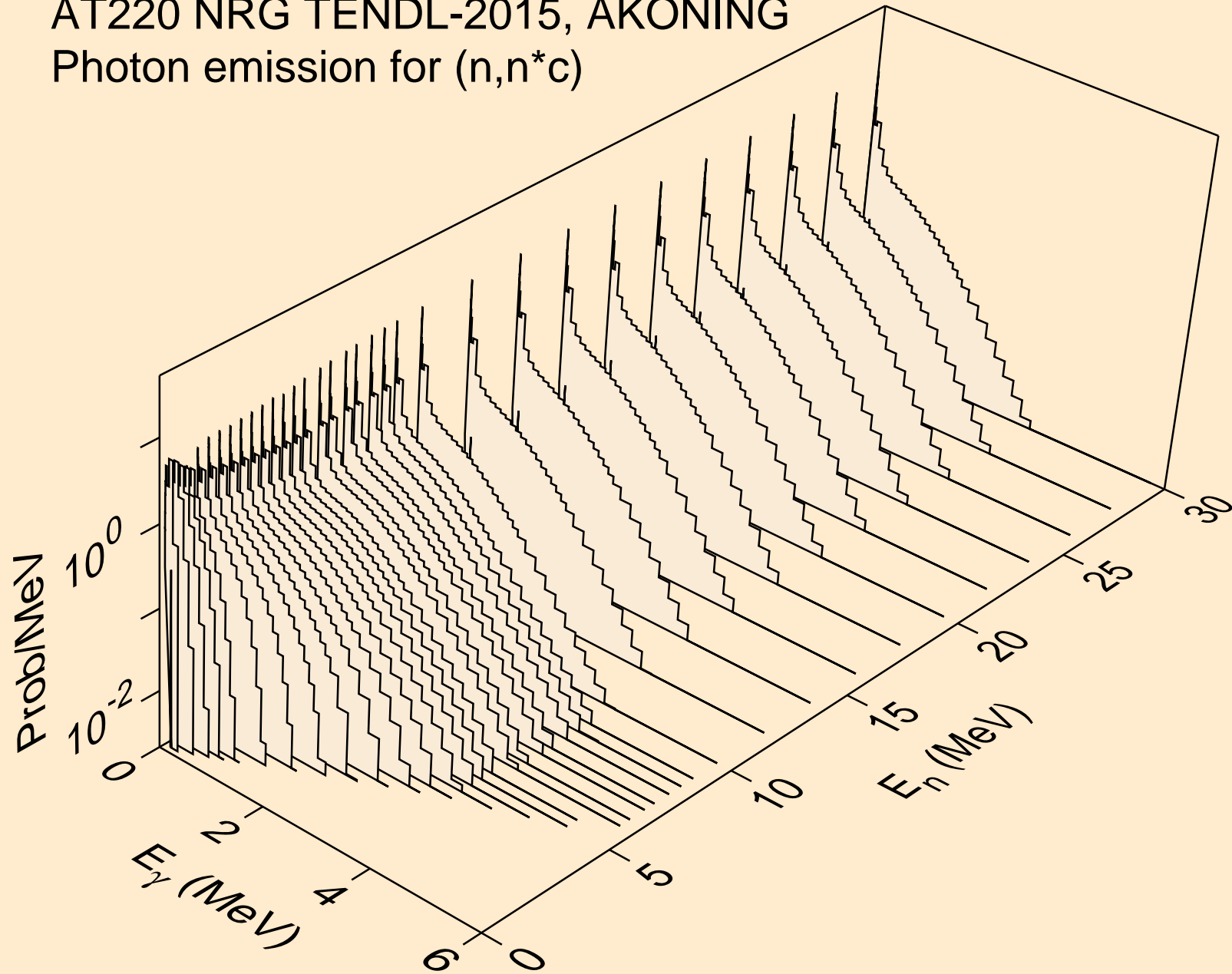
AT220 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



AT220 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)

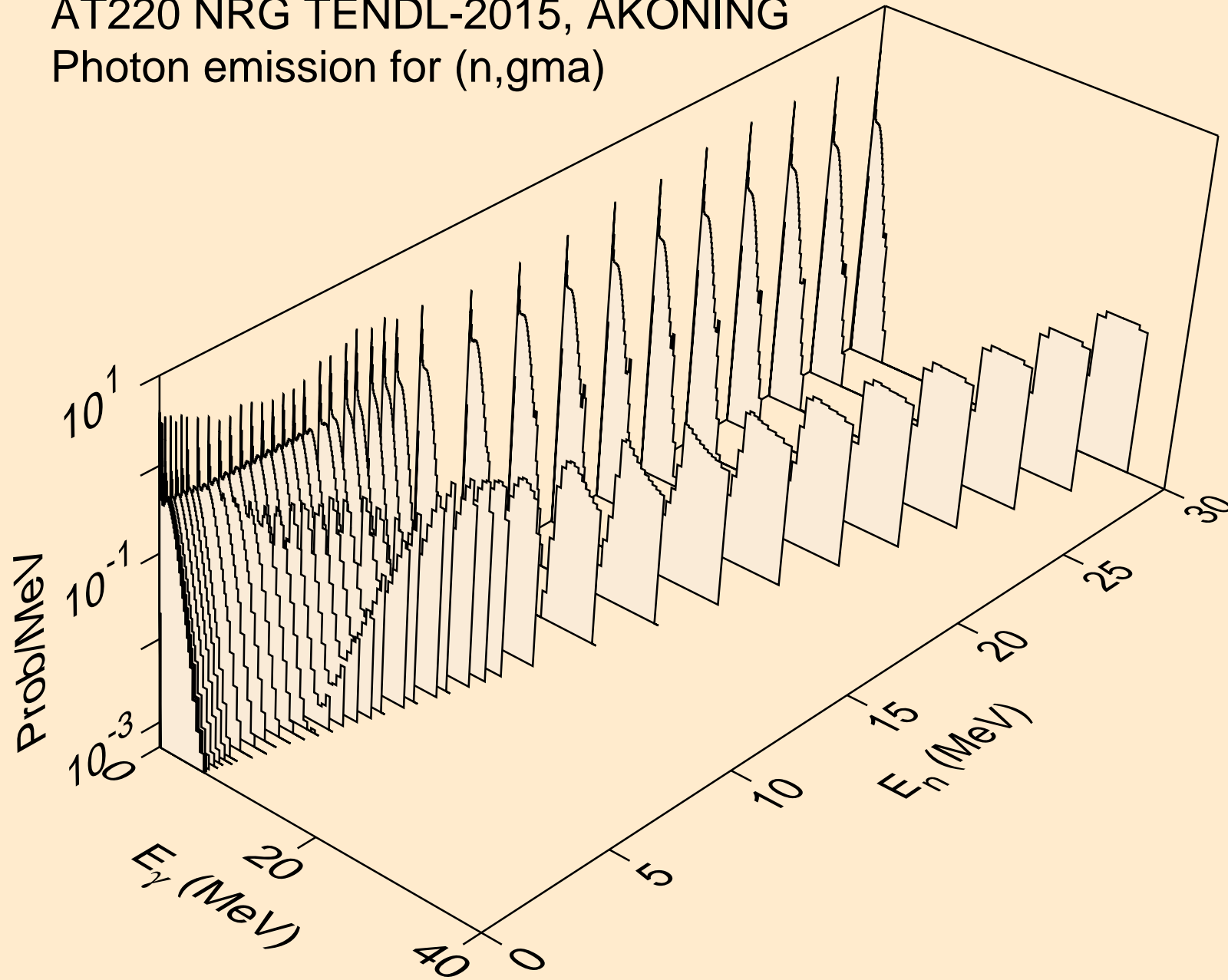


AT220 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)

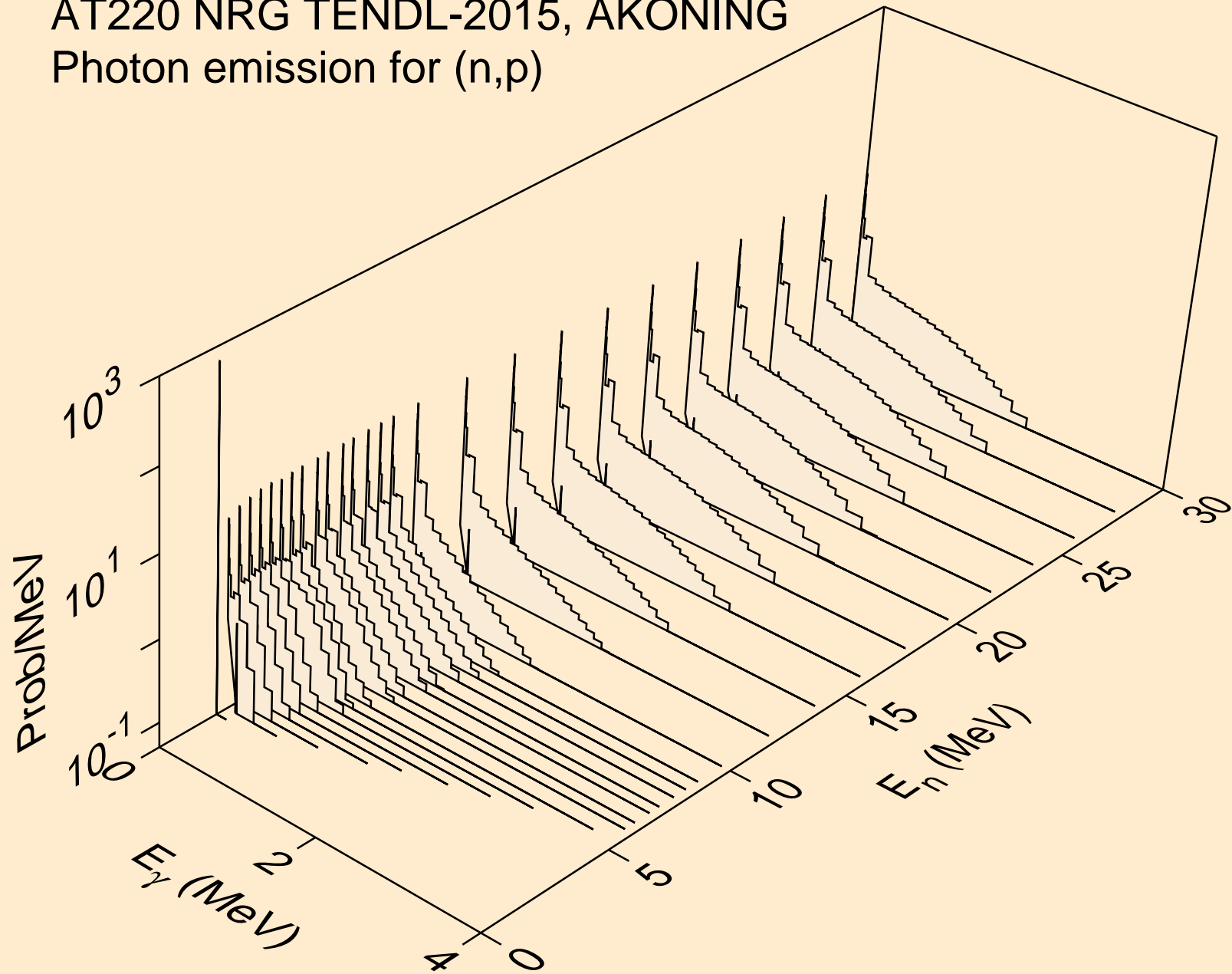




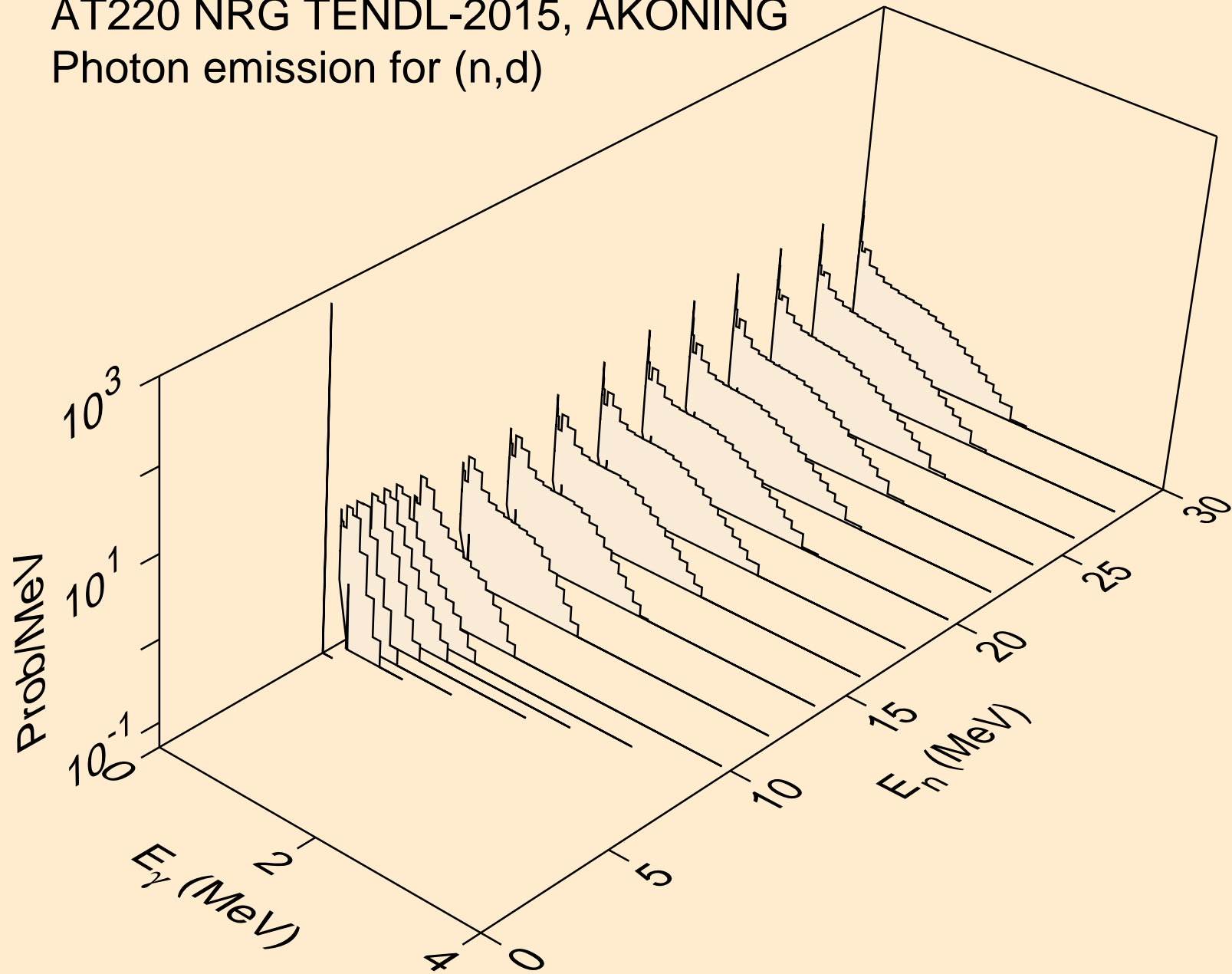
AT220 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



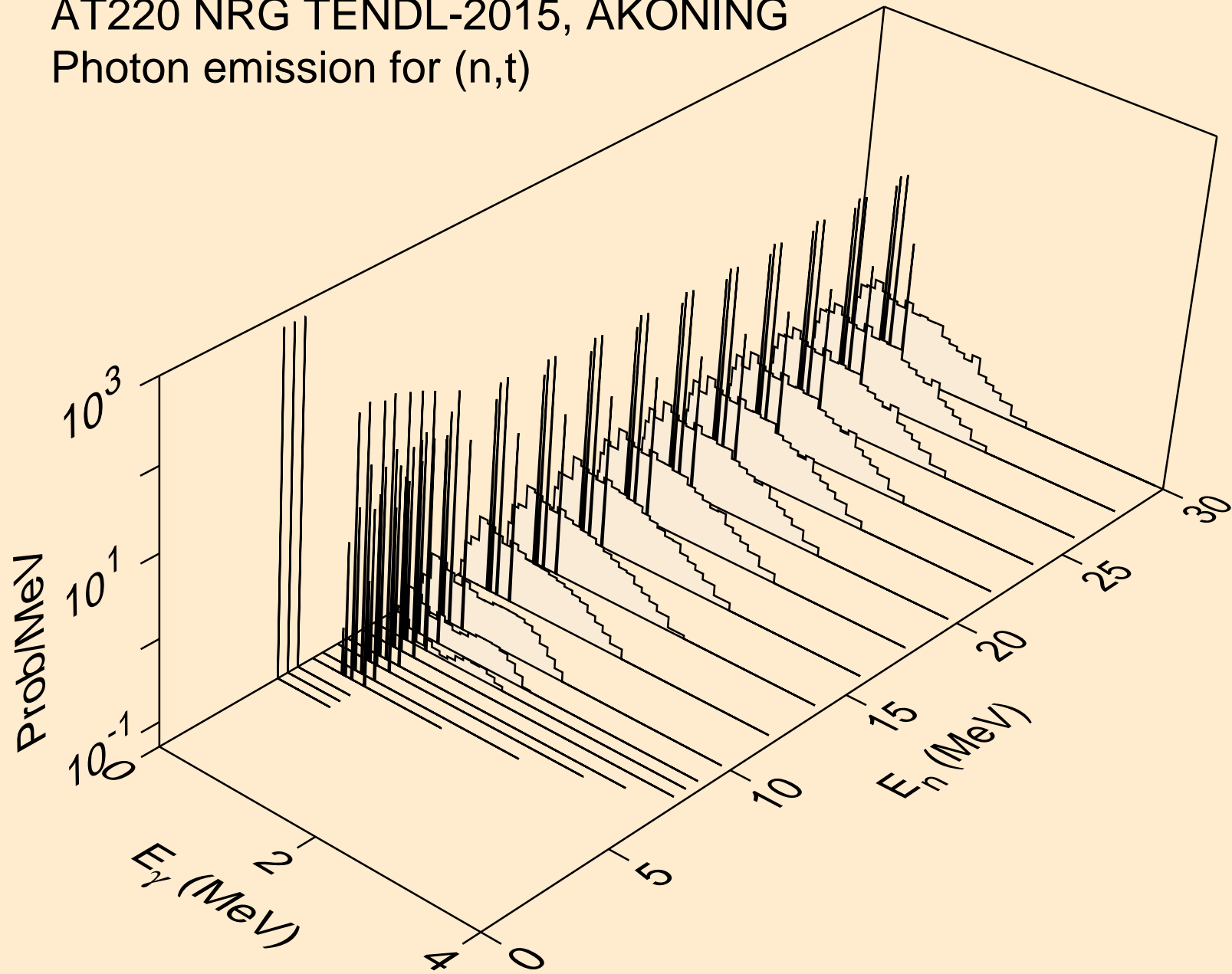
AT220 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



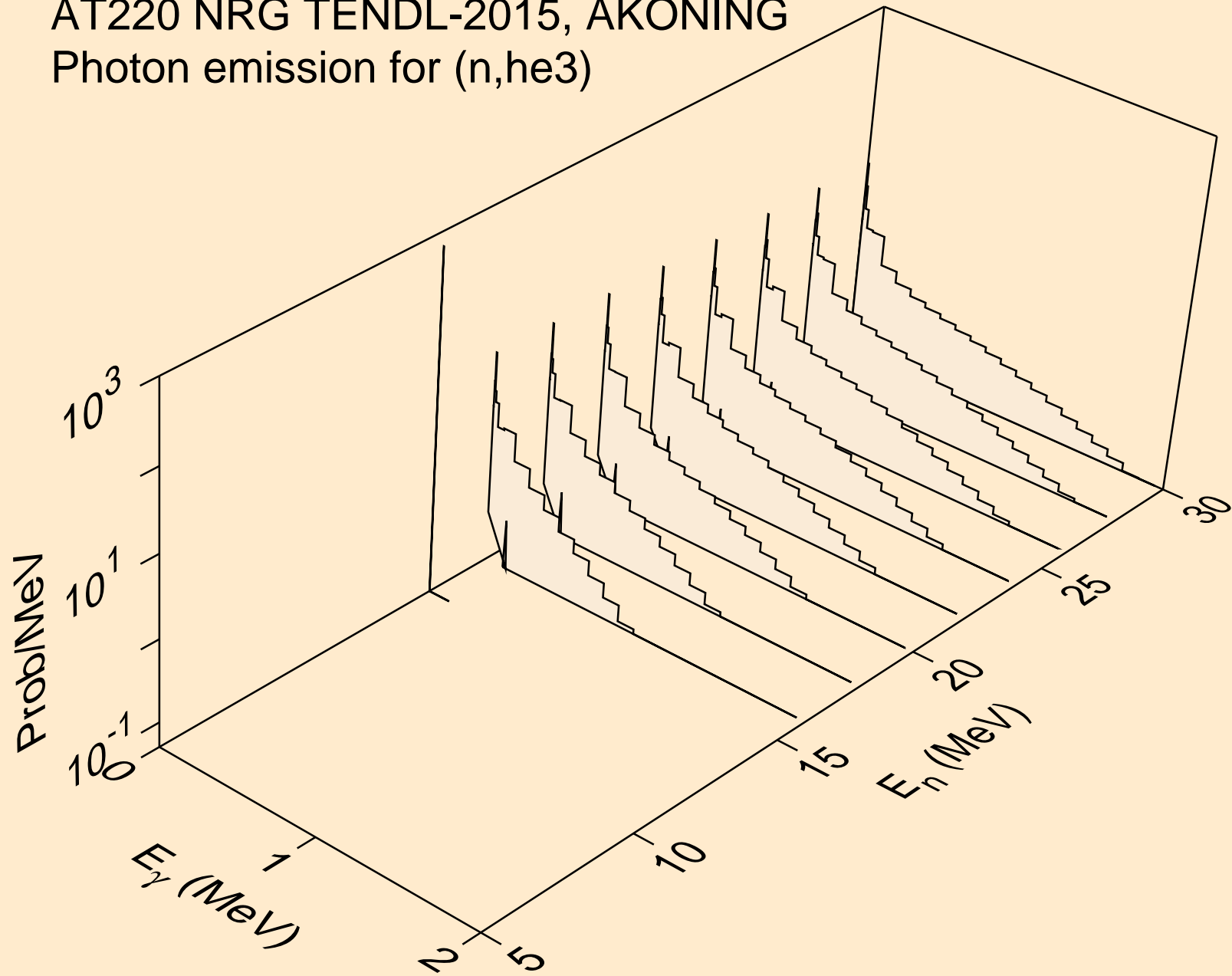
AT220 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



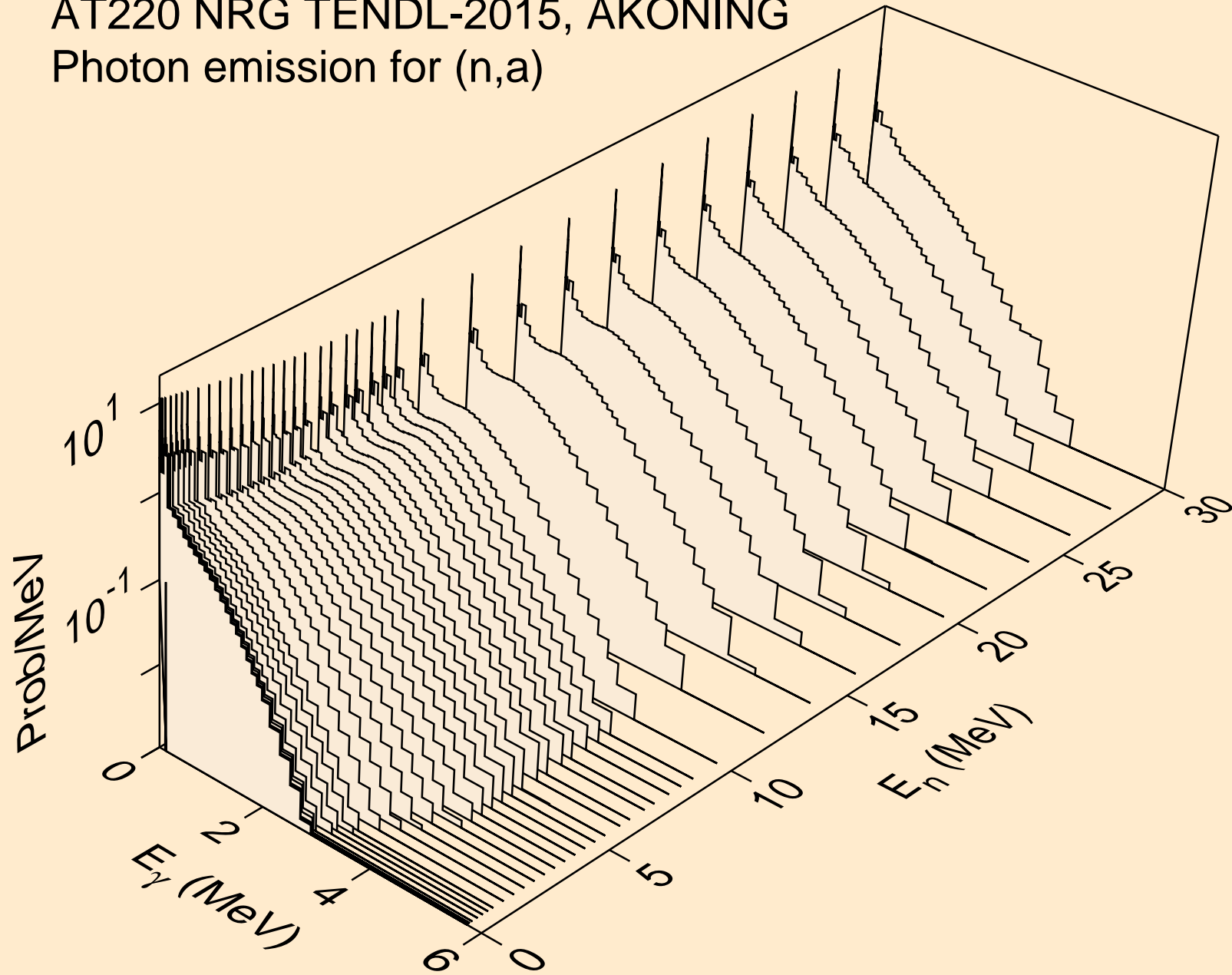
AT220 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



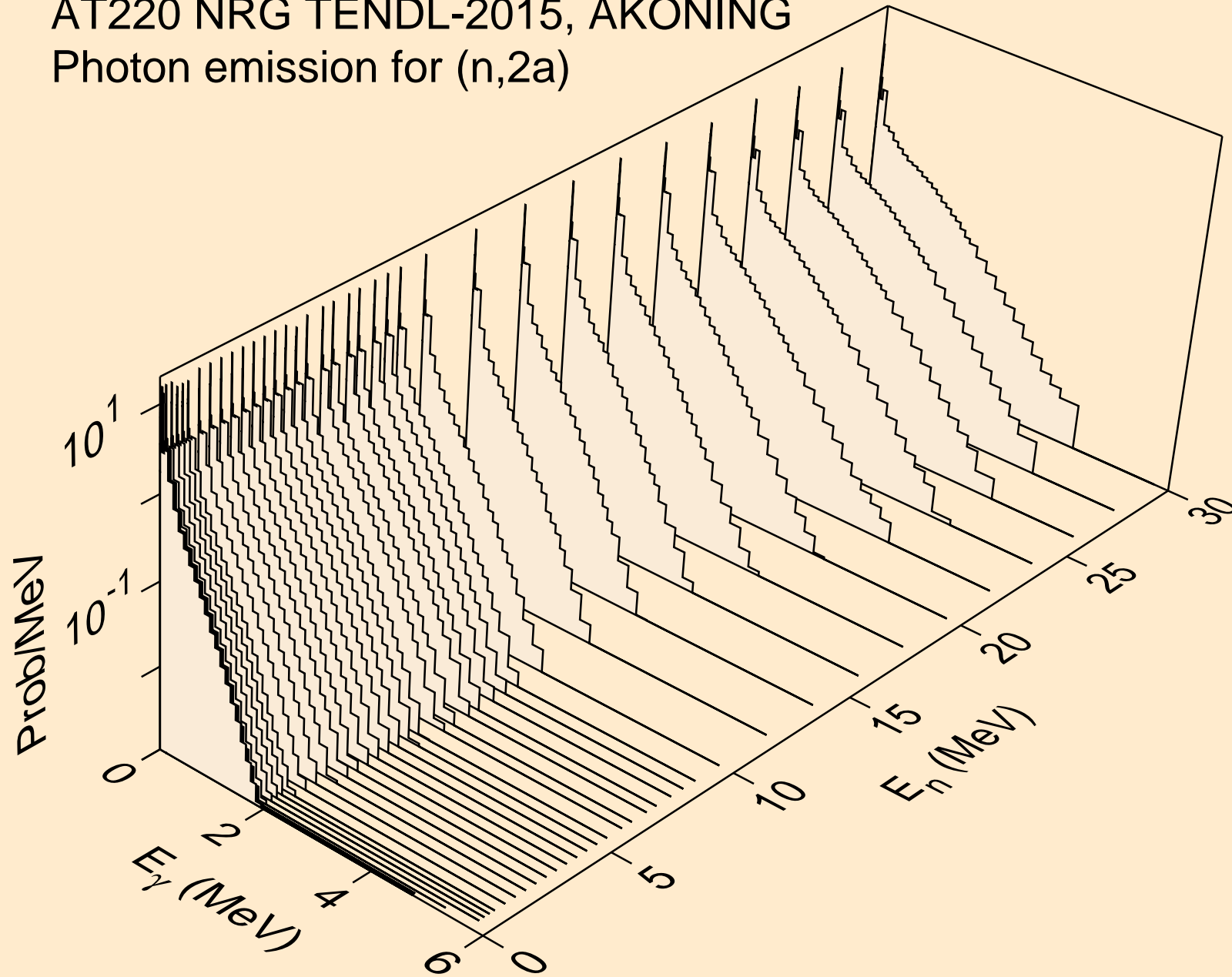
AT220 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



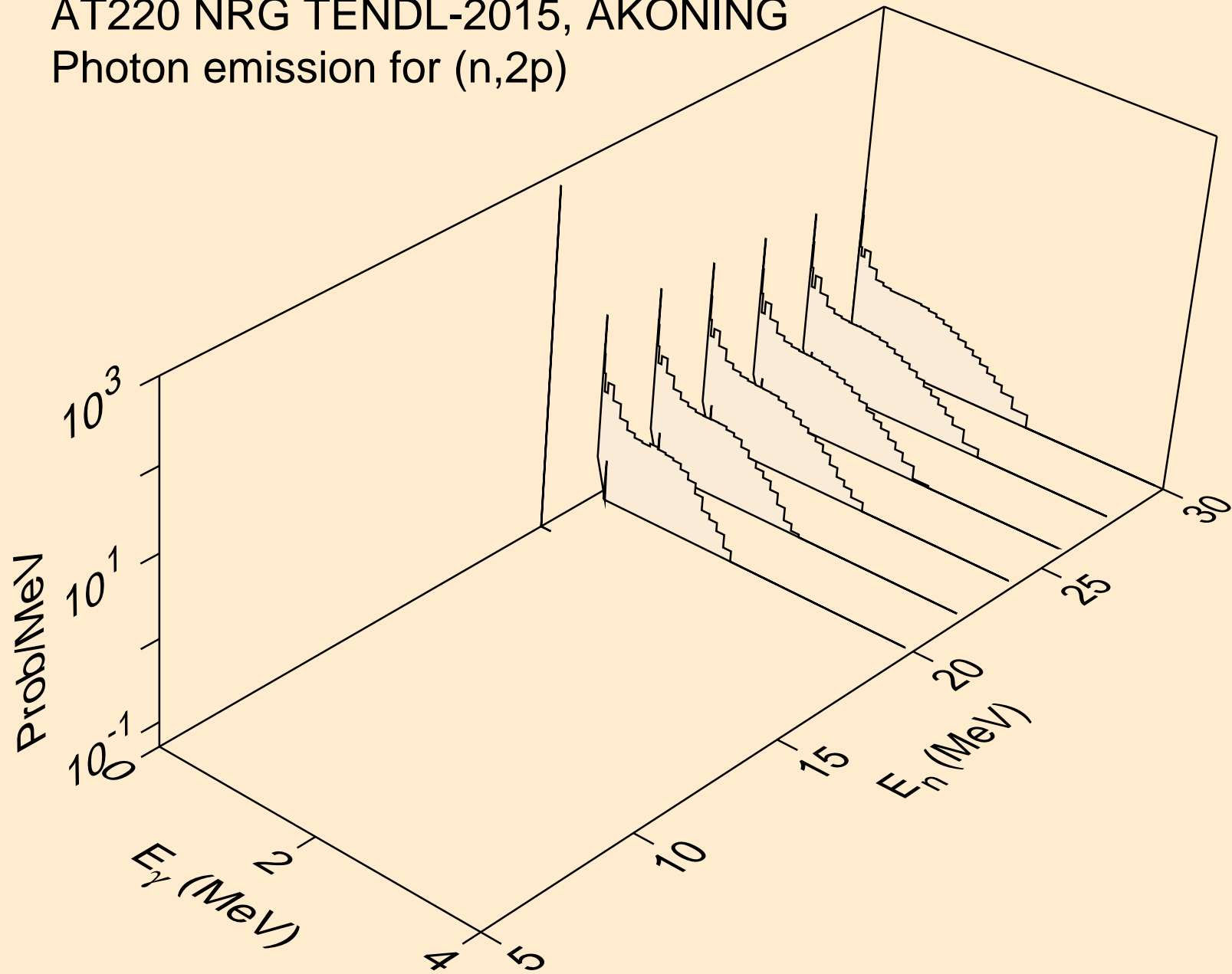
AT220 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



AT220 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)

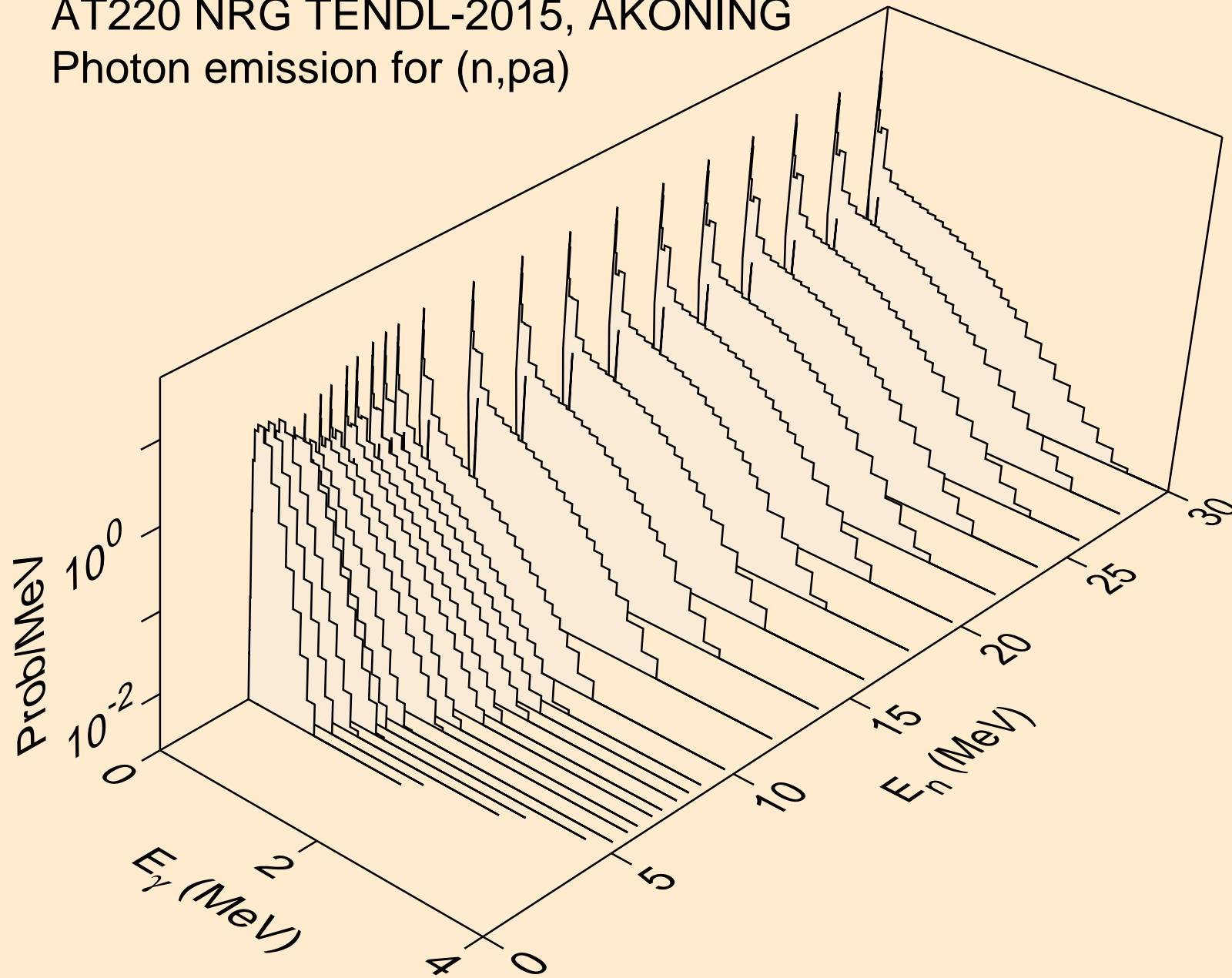


AT220 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)

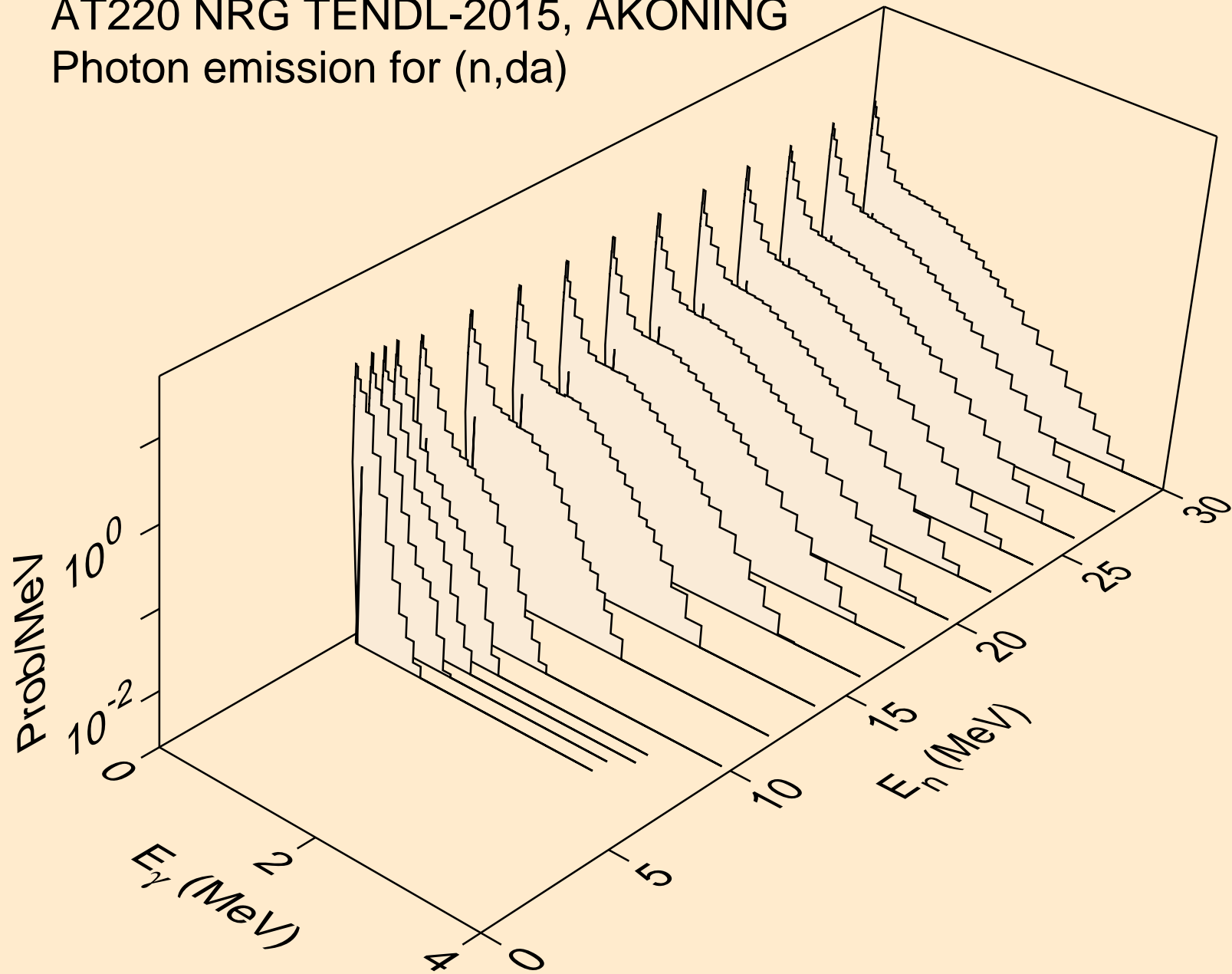




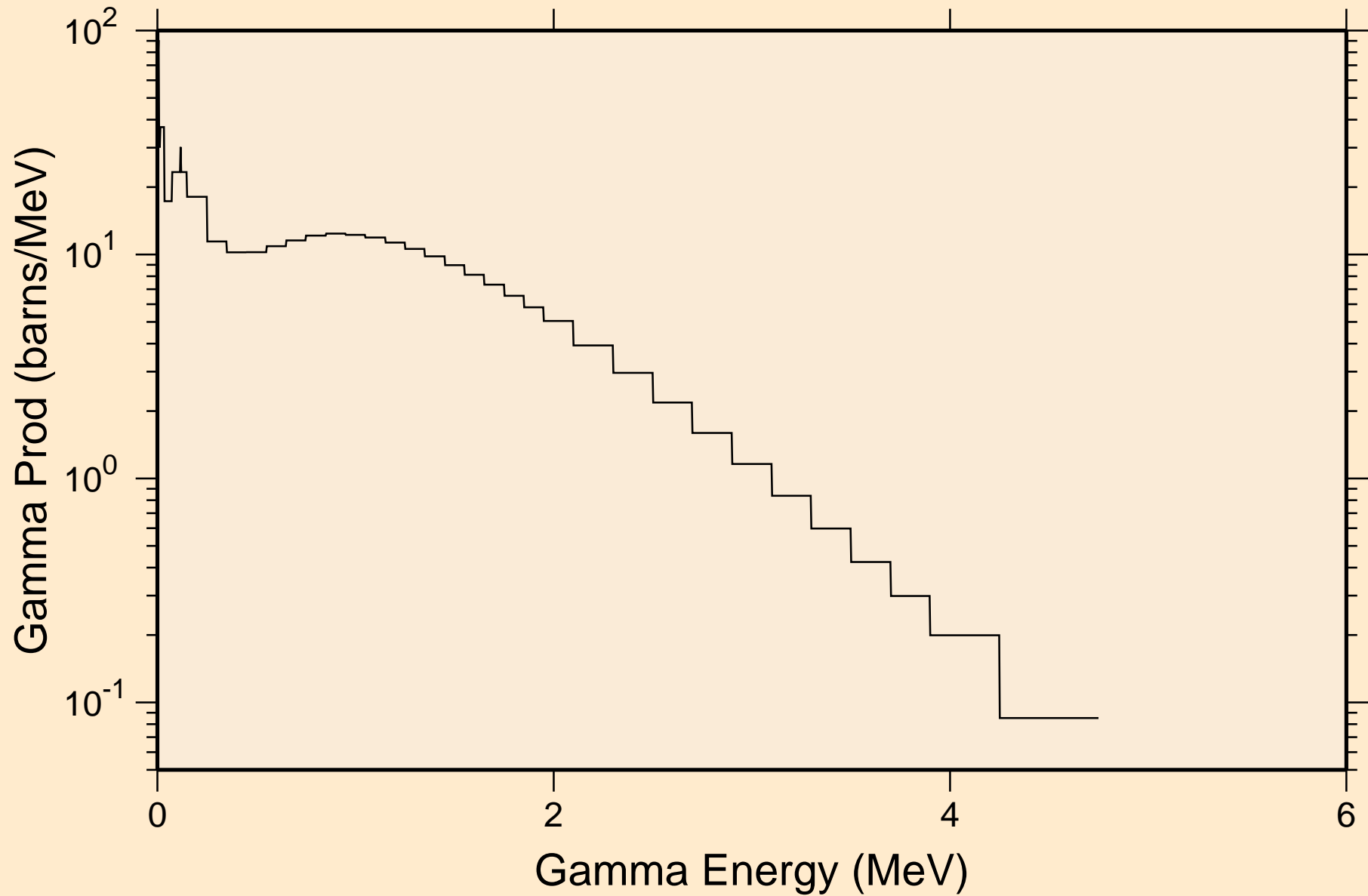
AT220 NRG TENDL-2015, AKONING  
Photon emission for (n,p $\alpha$ )



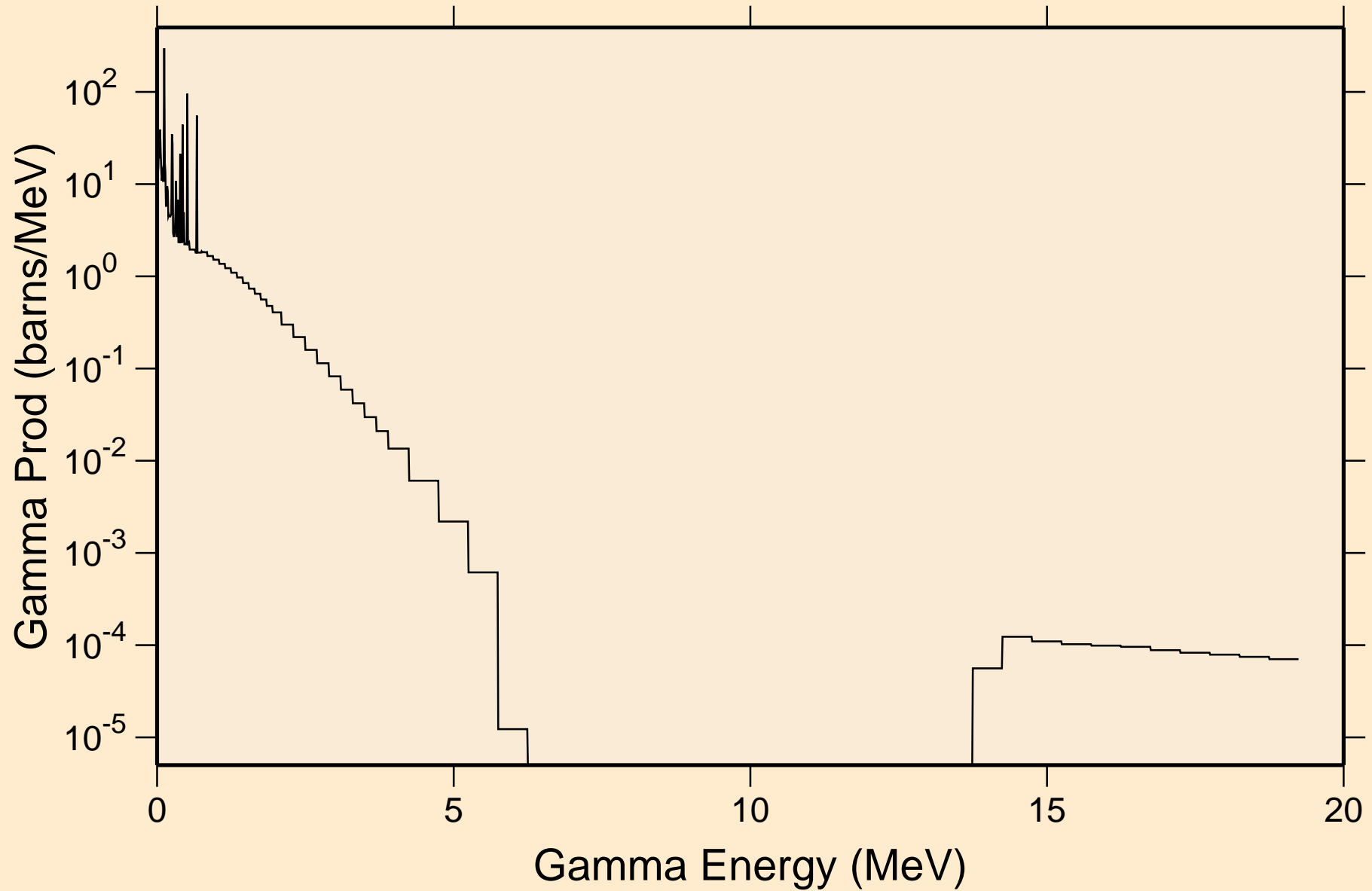
AT220 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



AT220 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

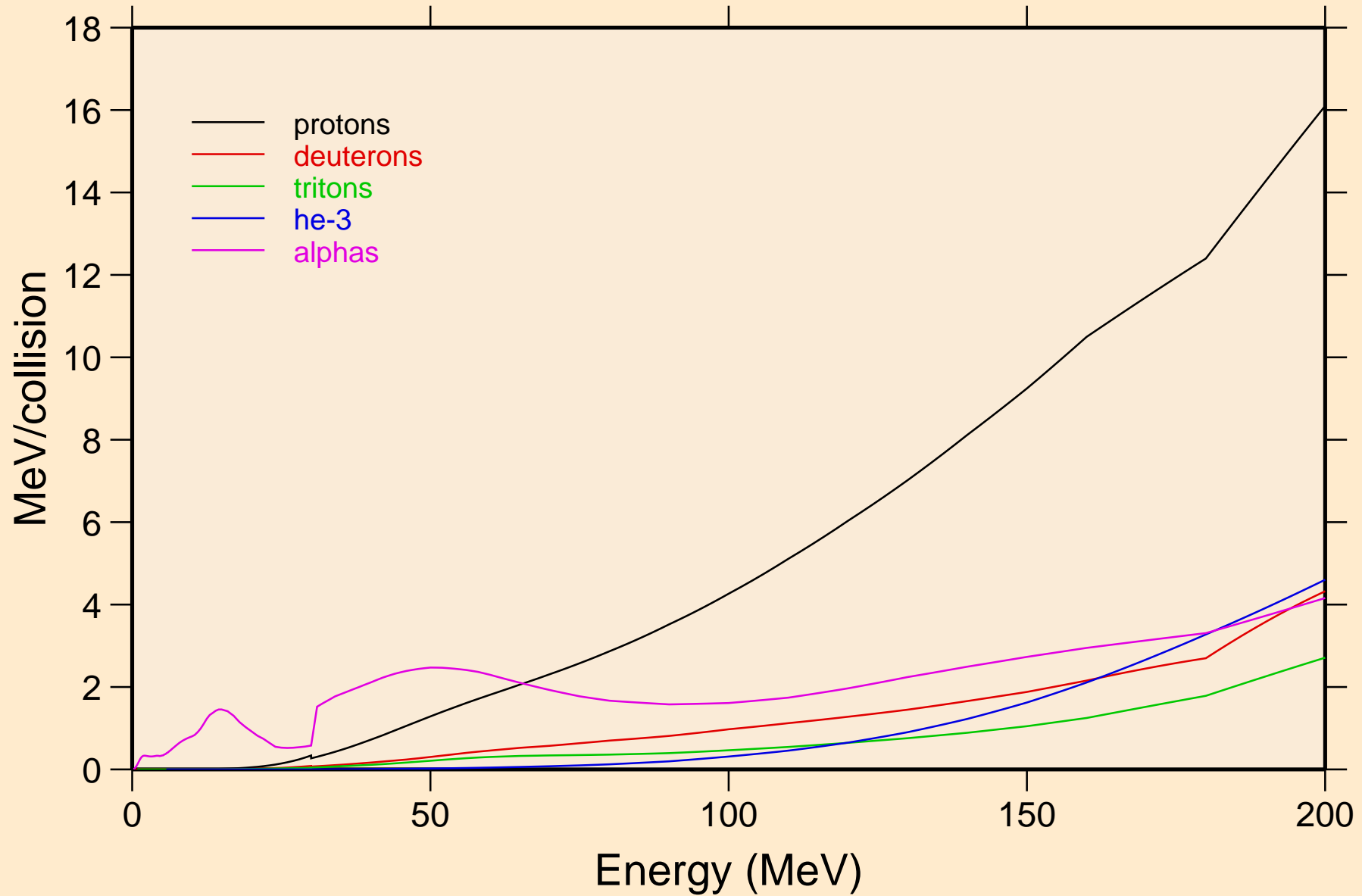


AT220 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



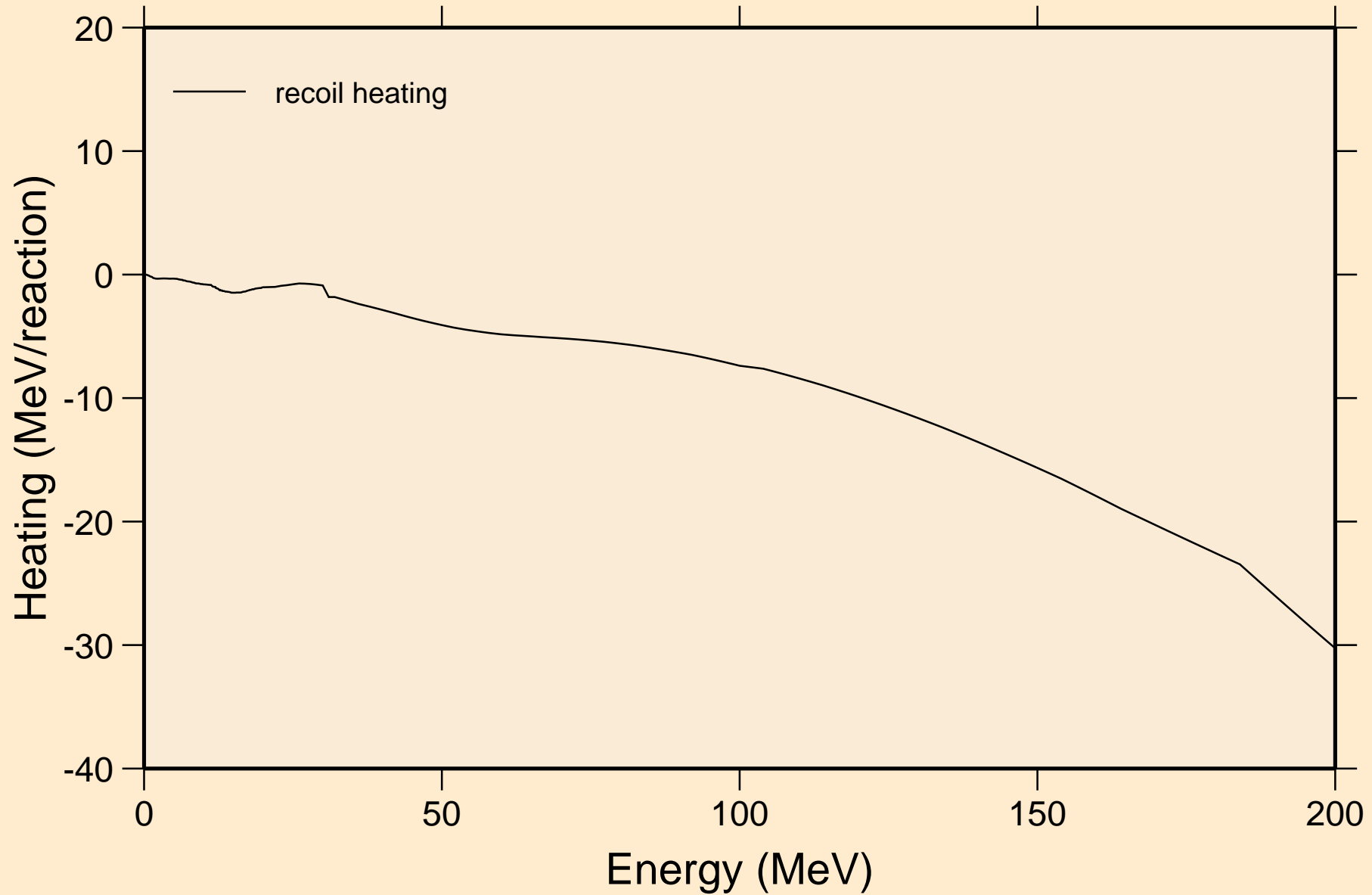
# AT220 NRG TENDL-2015, AKONING

## Particle heating contributions



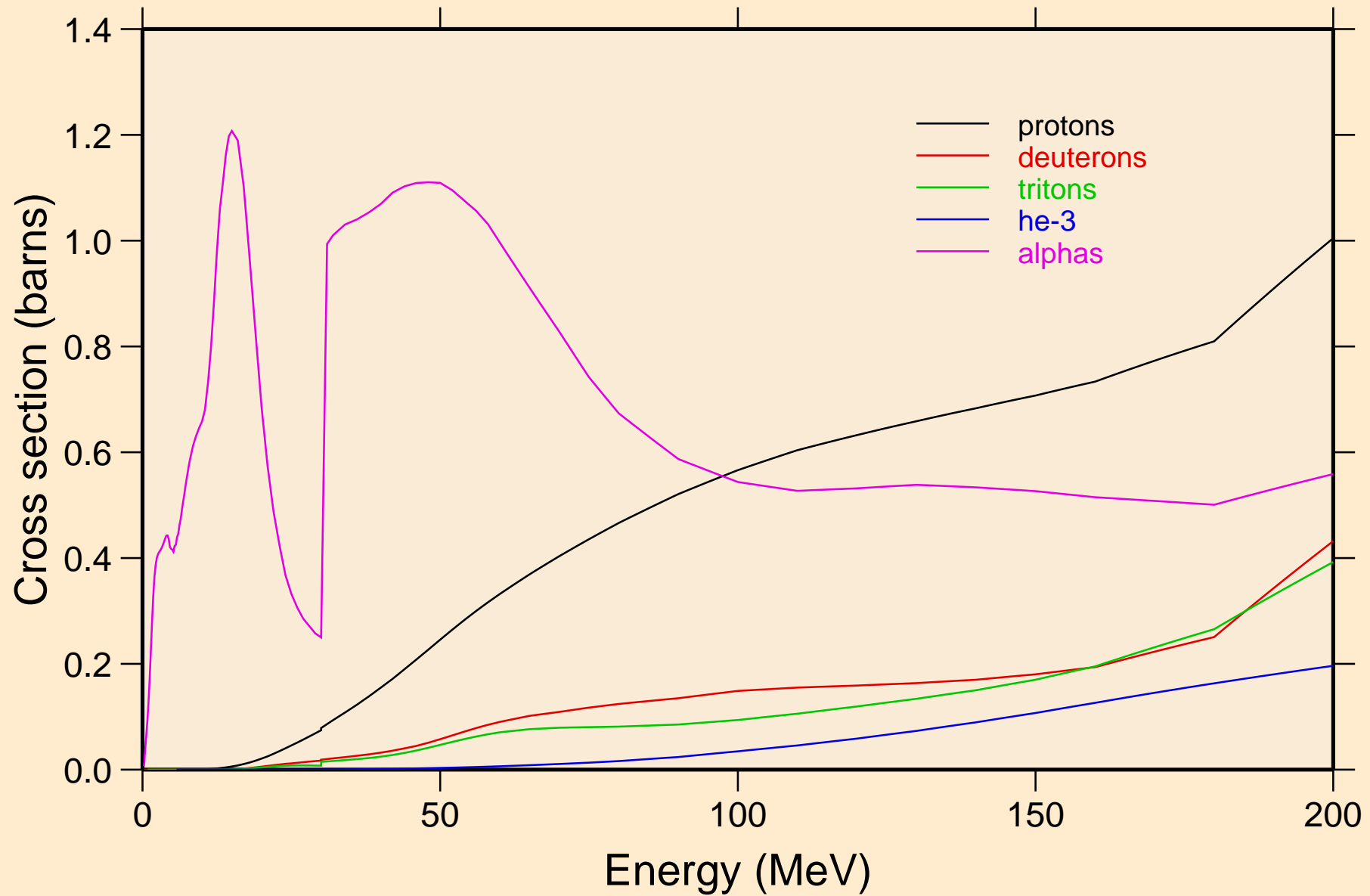
# AT220 NRG TENDL-2015, AKONING

## Recoil Heating

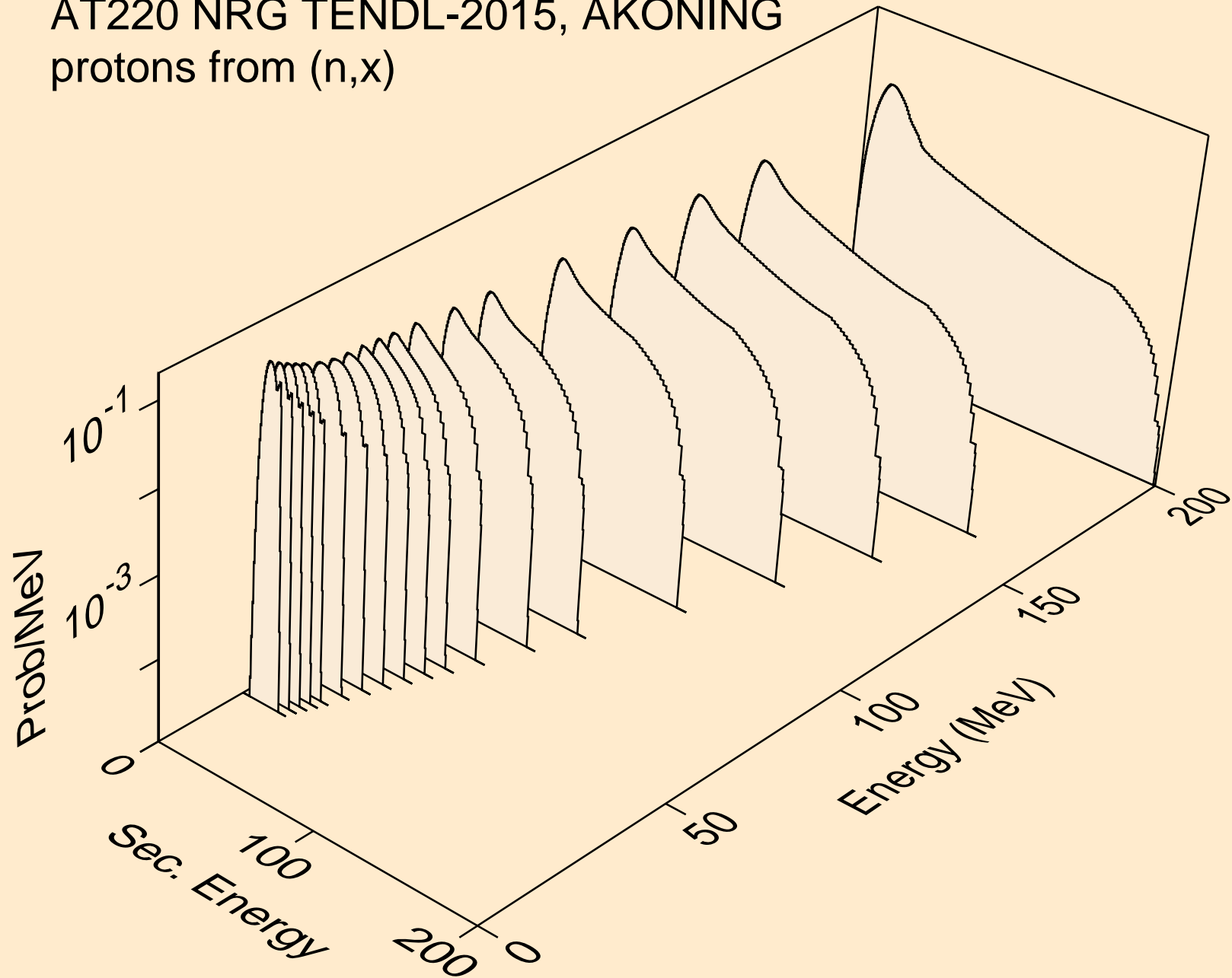


# AT220 NRG TENDL-2015, AKONING

## Particle production cross sections

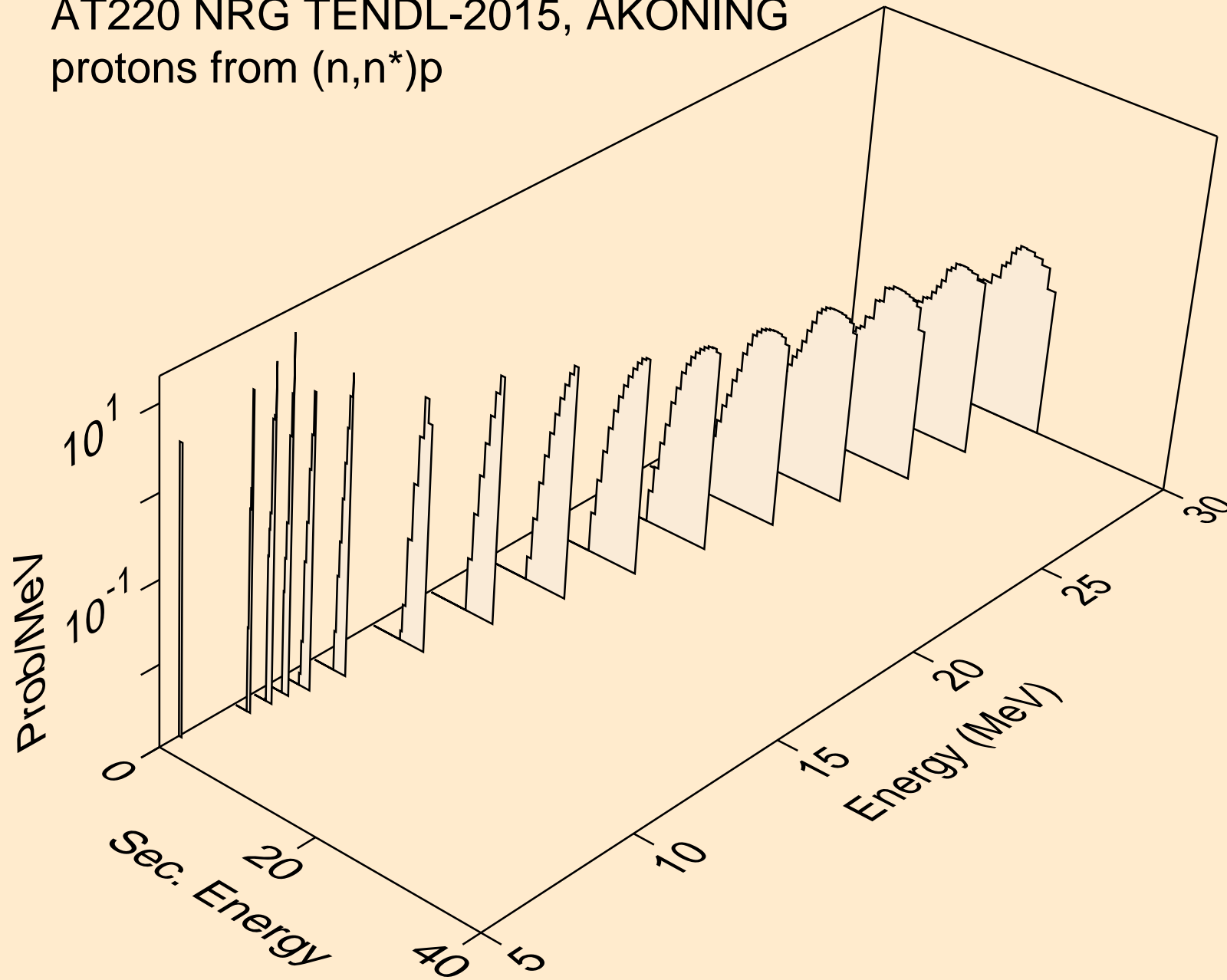


AT220 NRG TENDL-2015, AKONING  
protons from (n,x)

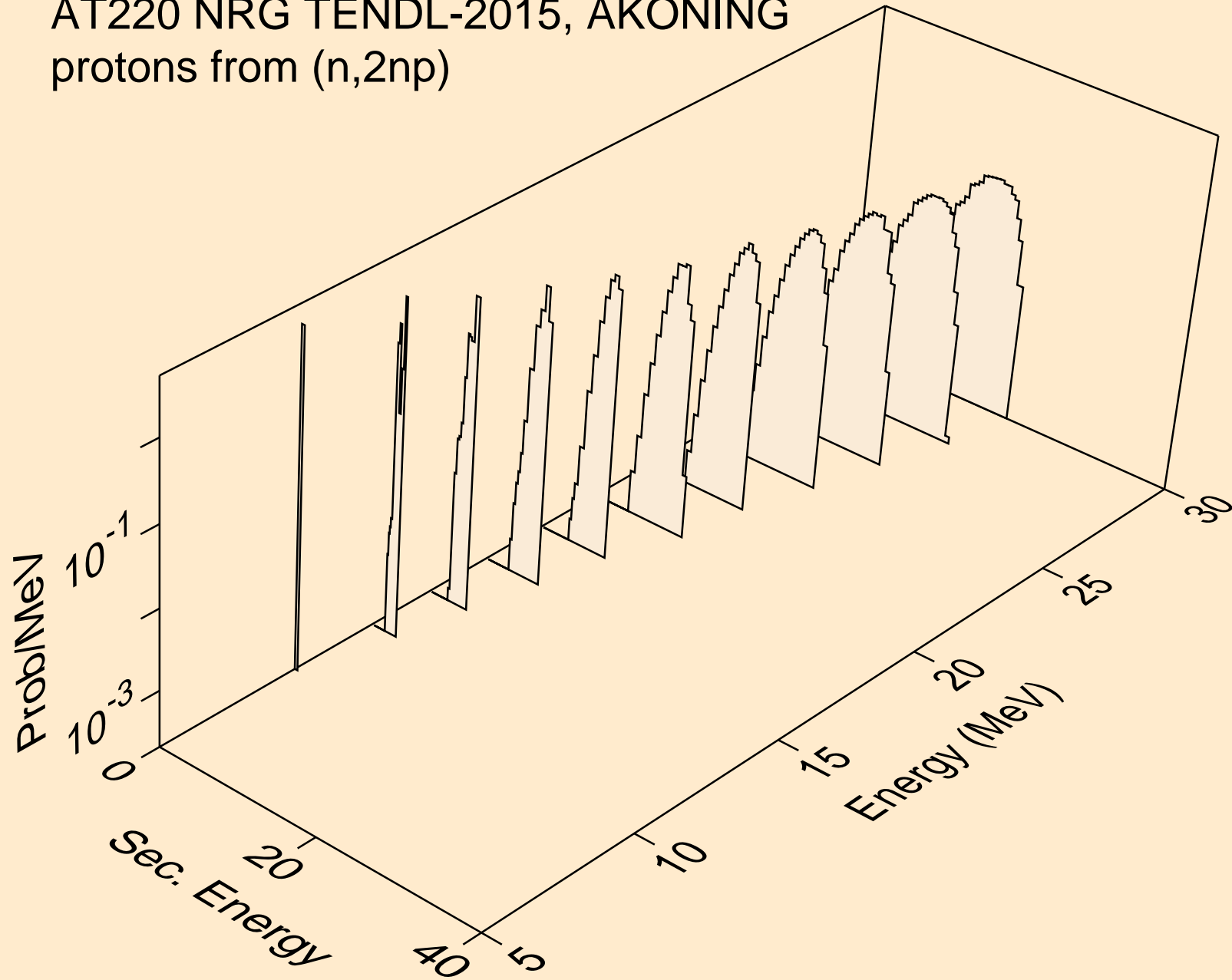




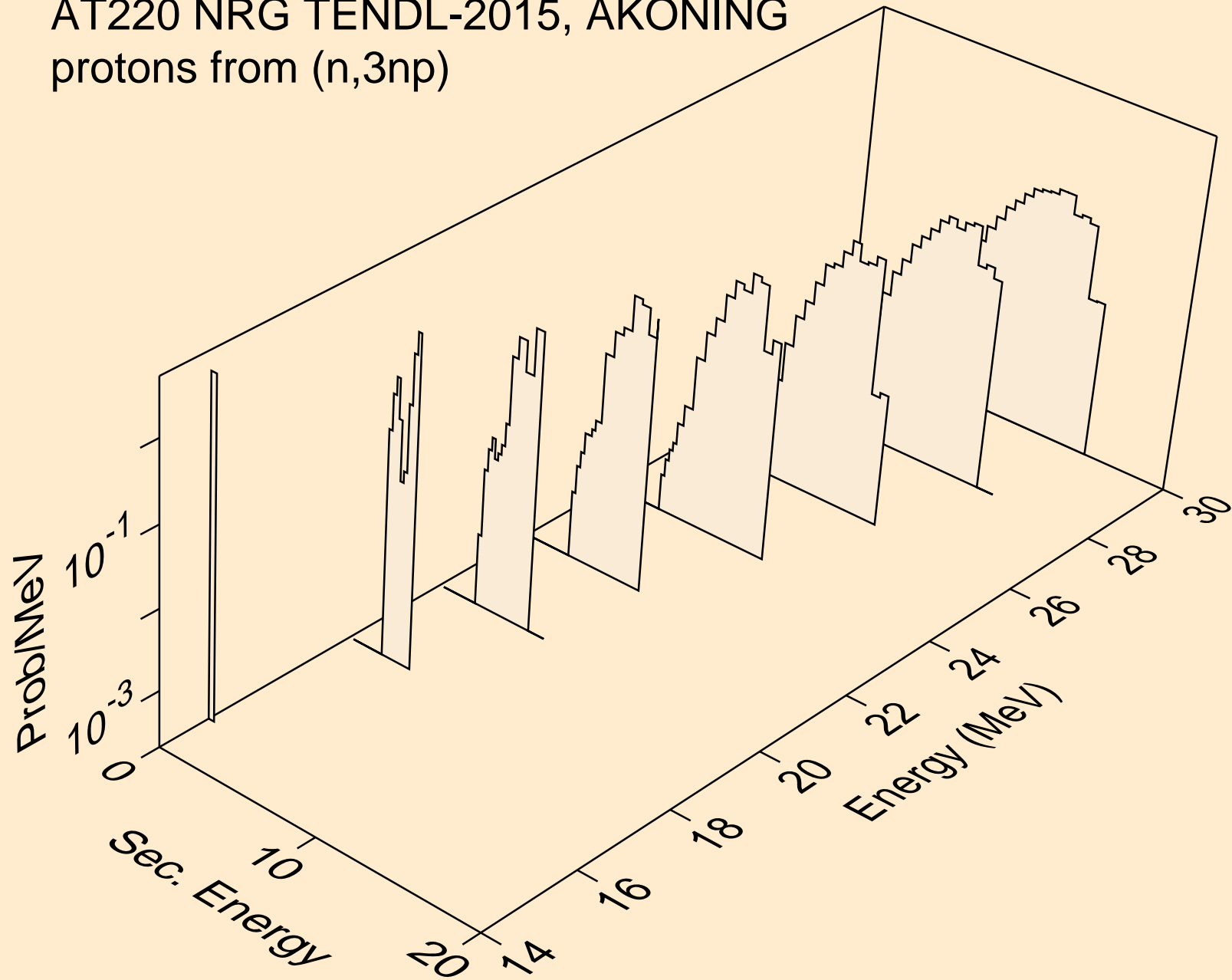
AT220 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



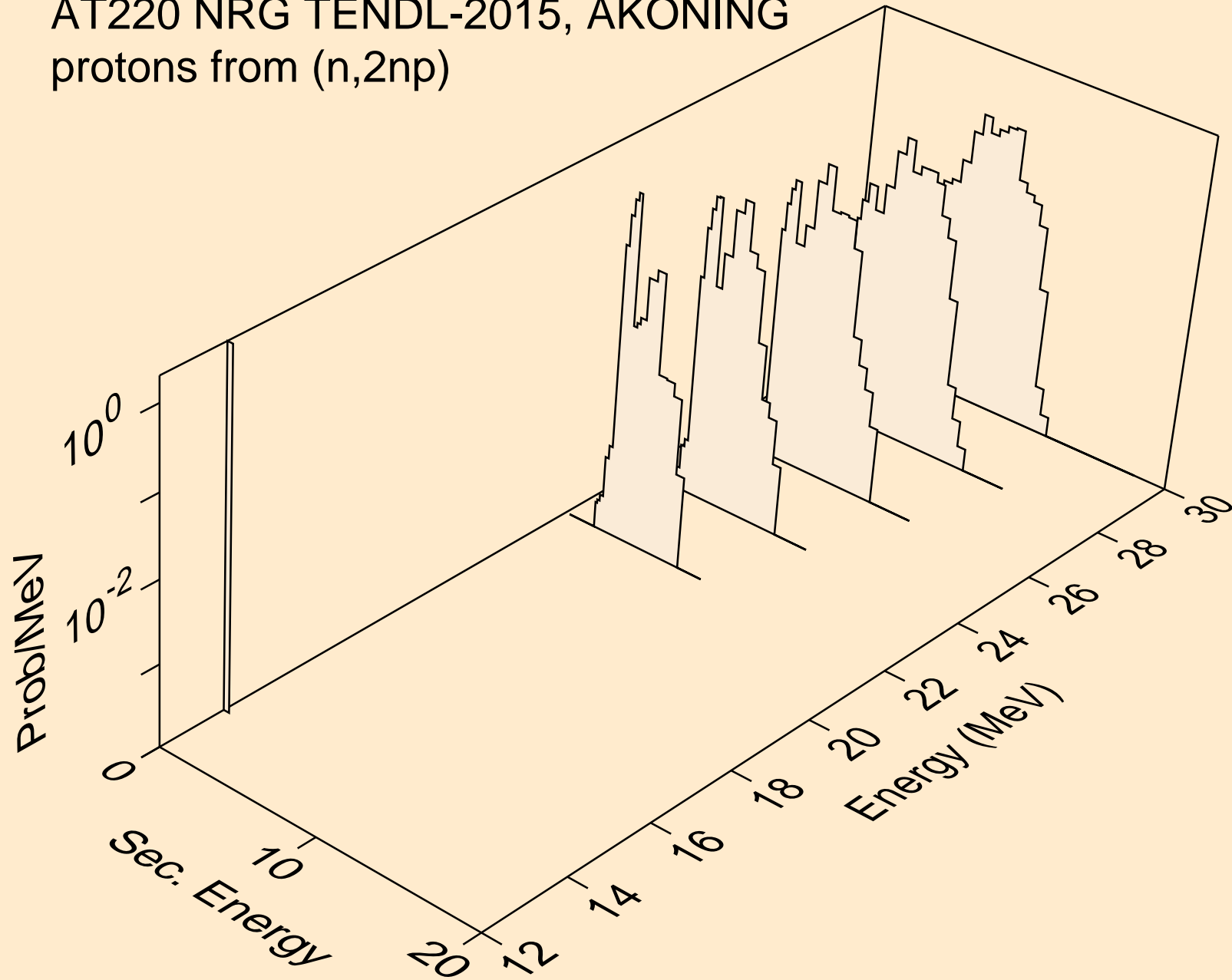
AT220 NRG TENDL-2015, AKONING  
protons from (n,2np)



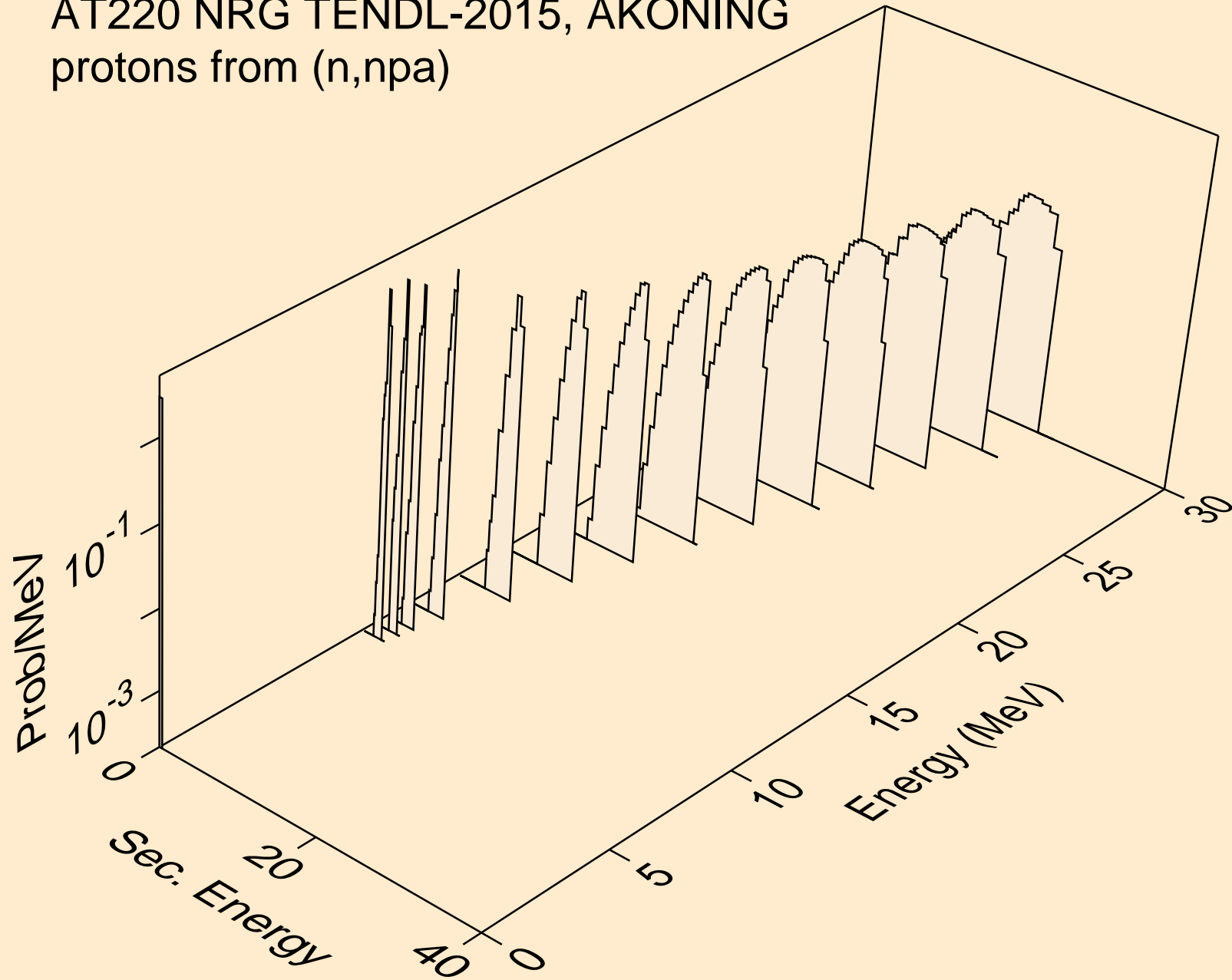
AT220 NRG TENDL-2015, AKONING  
protons from (n,3np)



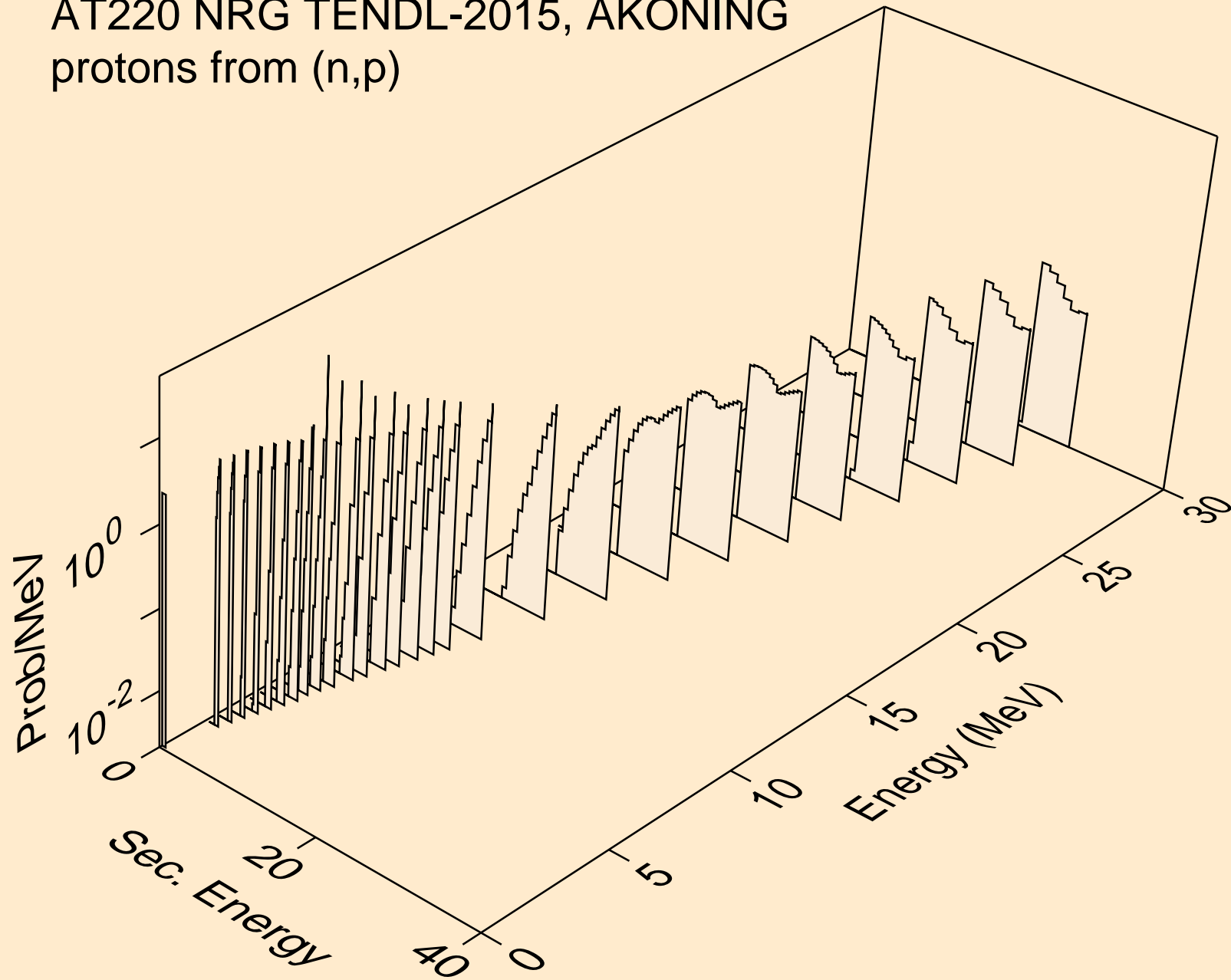
AT220 NRG TENDL-2015, AKONING  
protons from (n,2np)



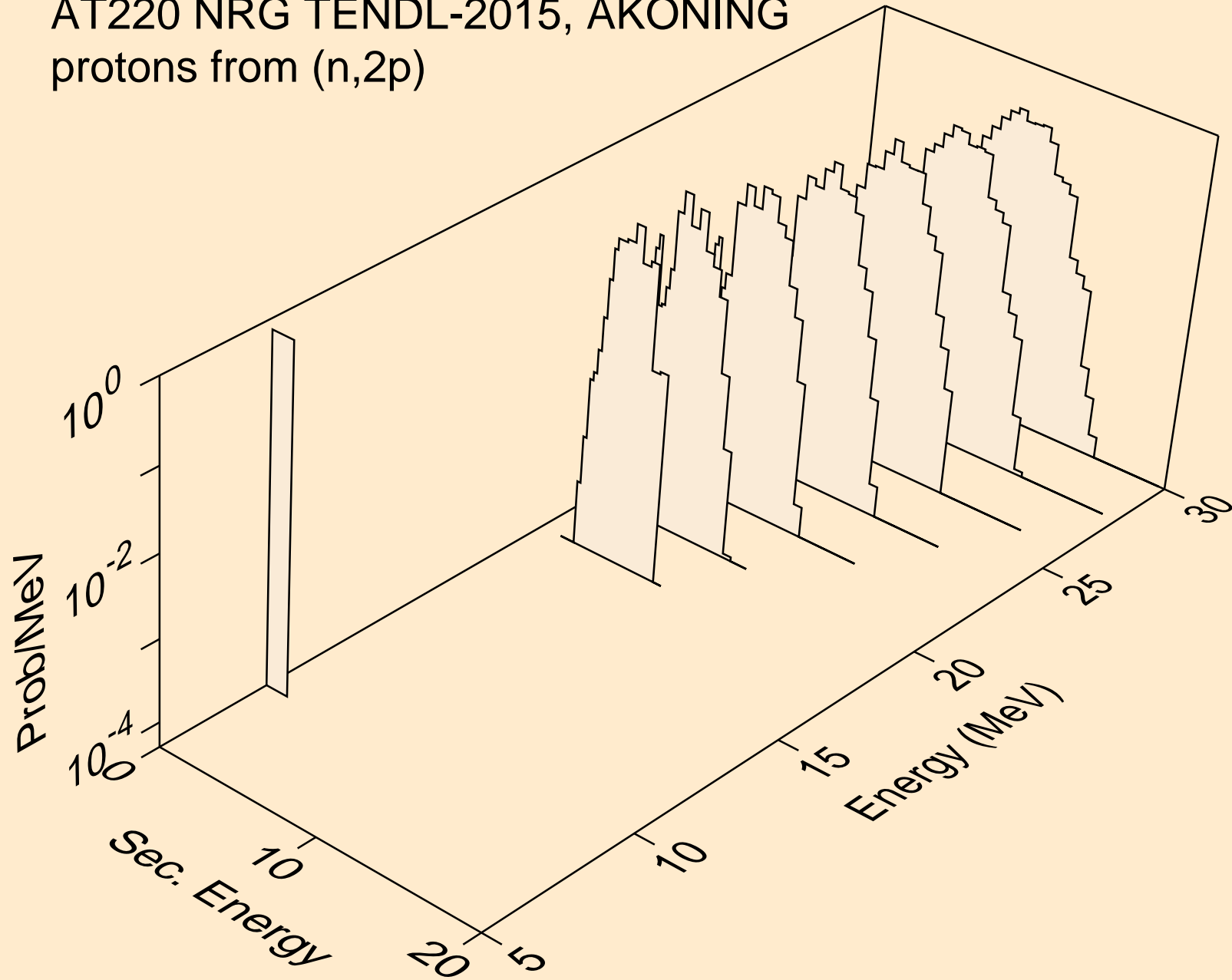
AT220 NRG TENDL-2015, AKONING  
protons from (n,npa)



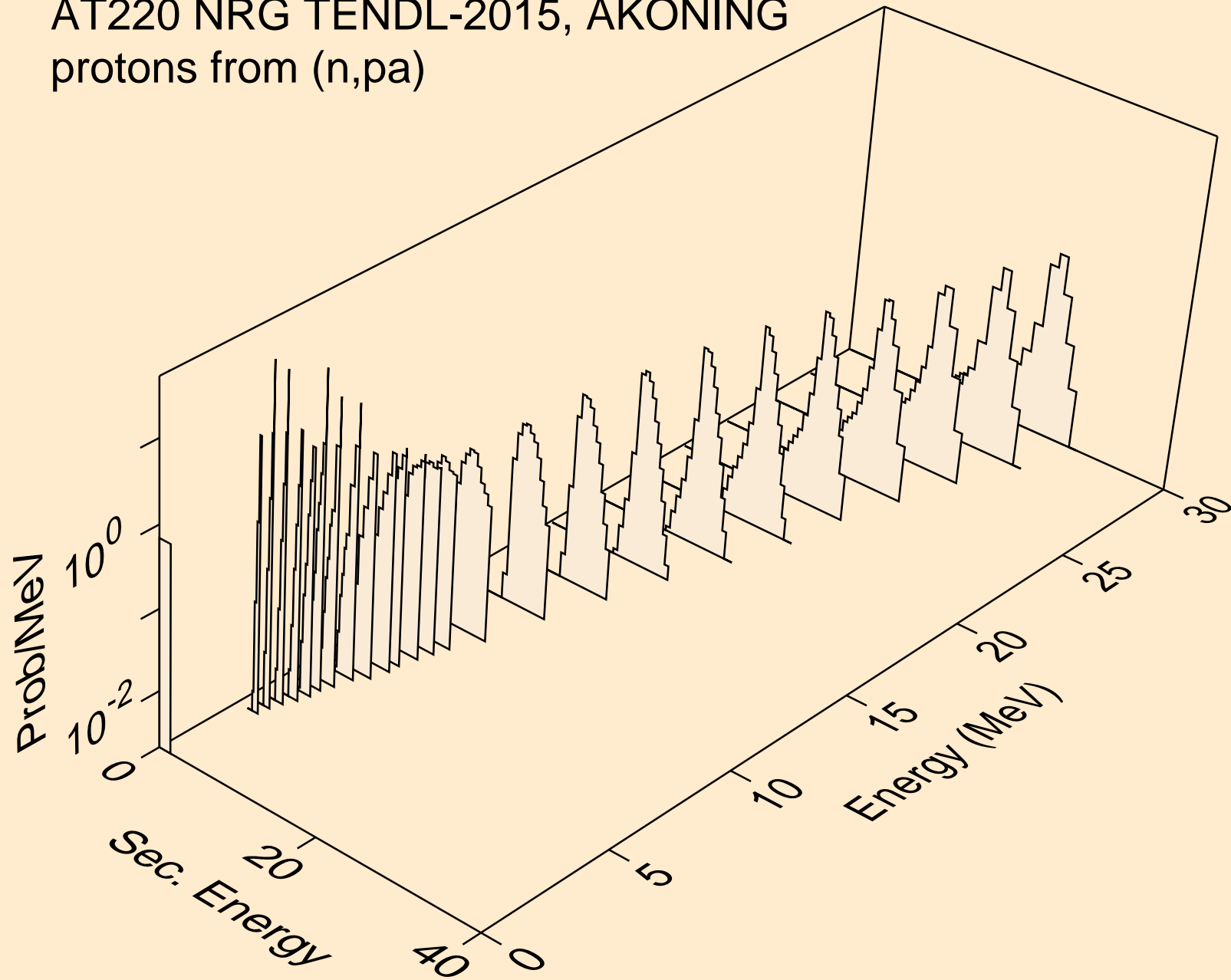
AT220 NRG TENDL-2015, AKONING  
protons from (n,p)



AT220 NRG TENDL-2015, AKONING  
protons from (n,2p)

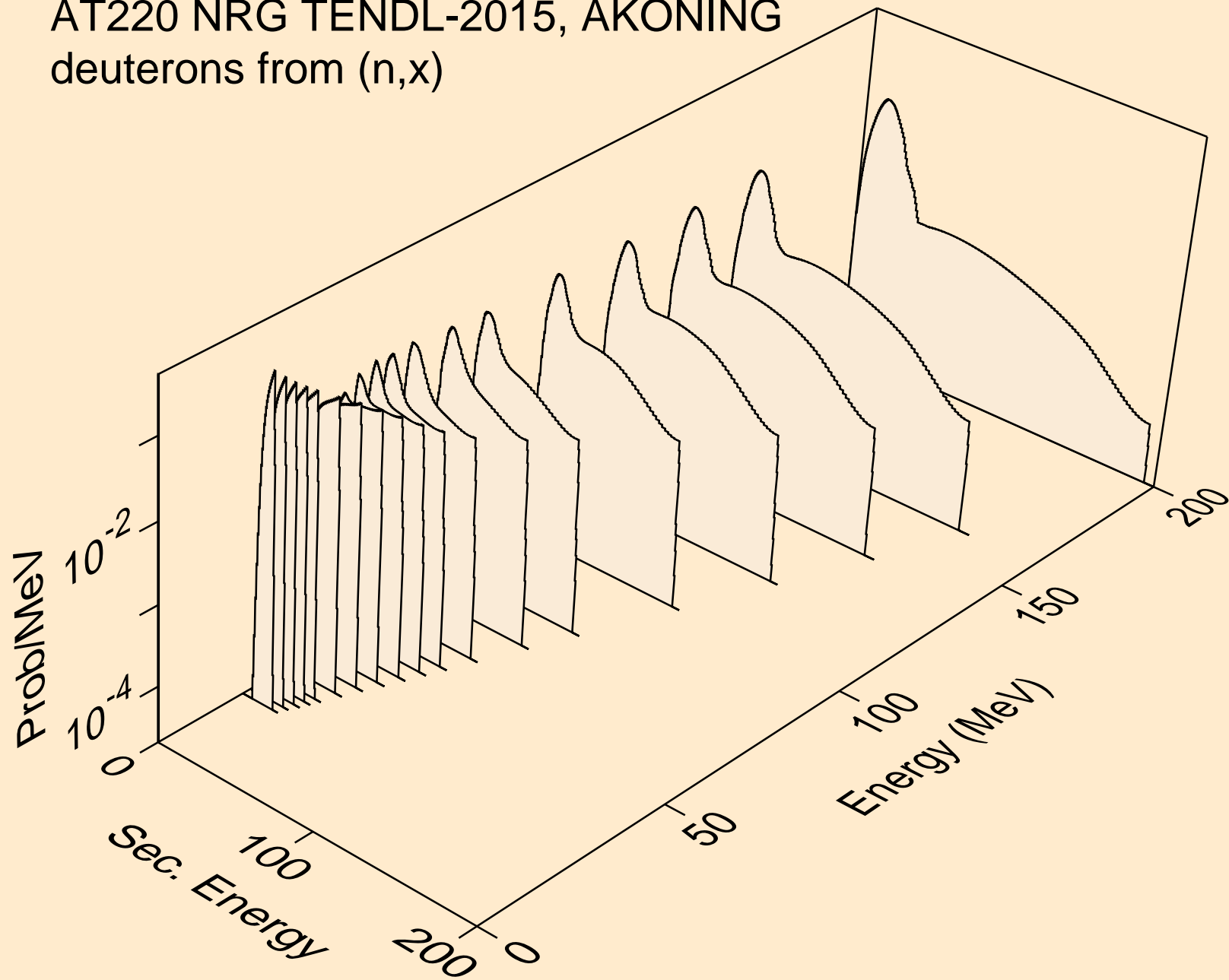


AT220 NRG TENDL-2015, AKONING  
protons from (n,pa)

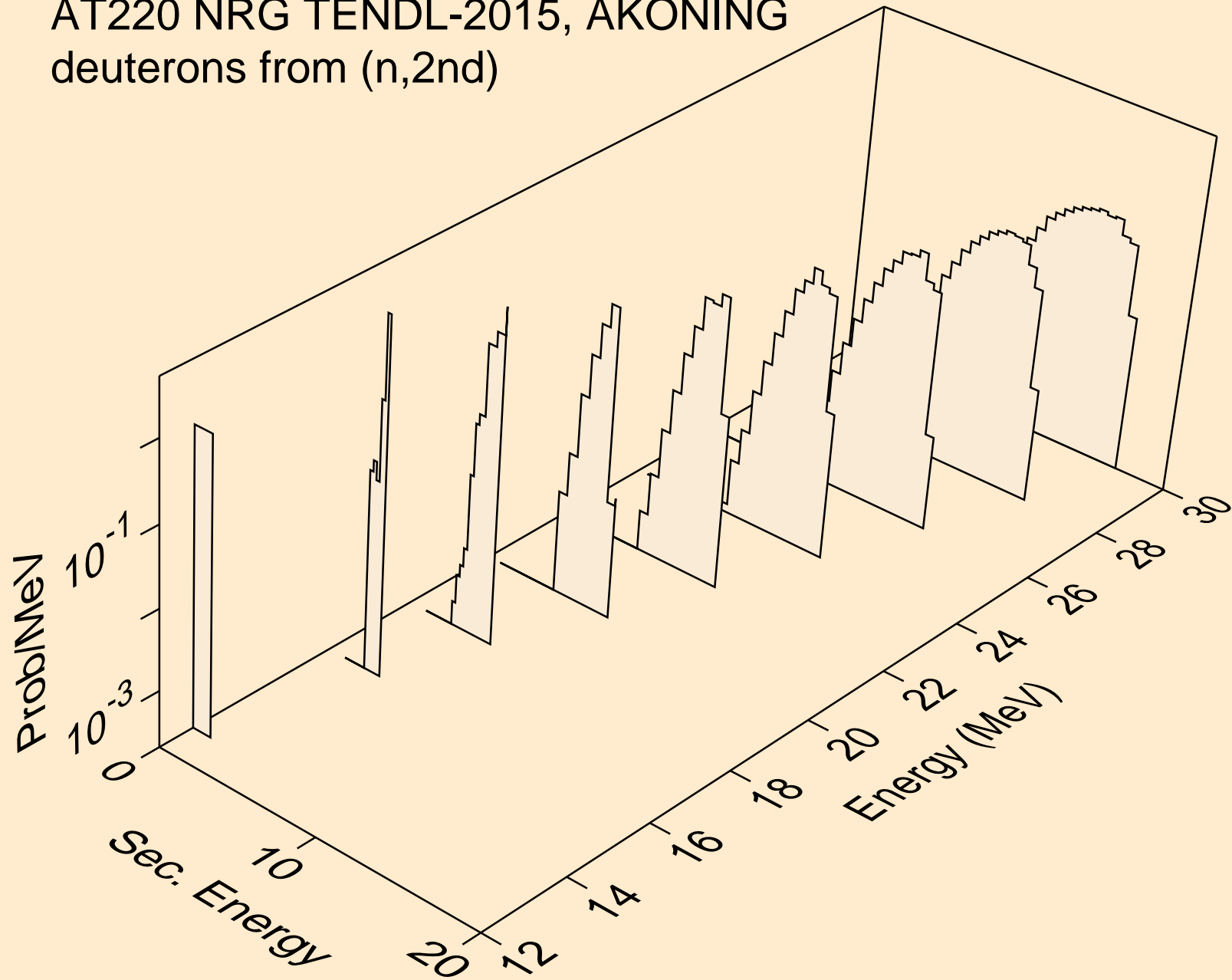




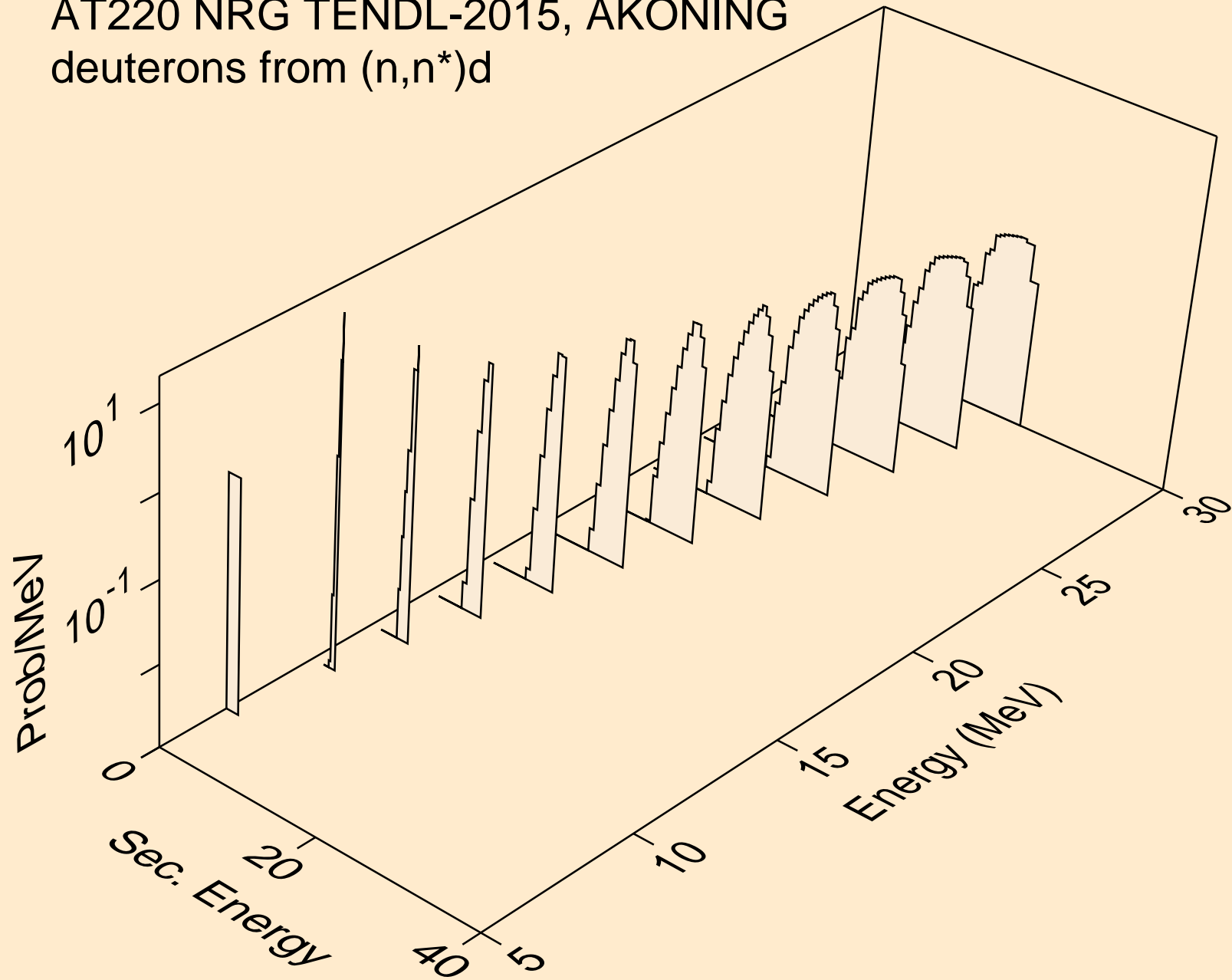
AT220 NRG TENDL-2015, AKONING  
deuterons from (n,x)



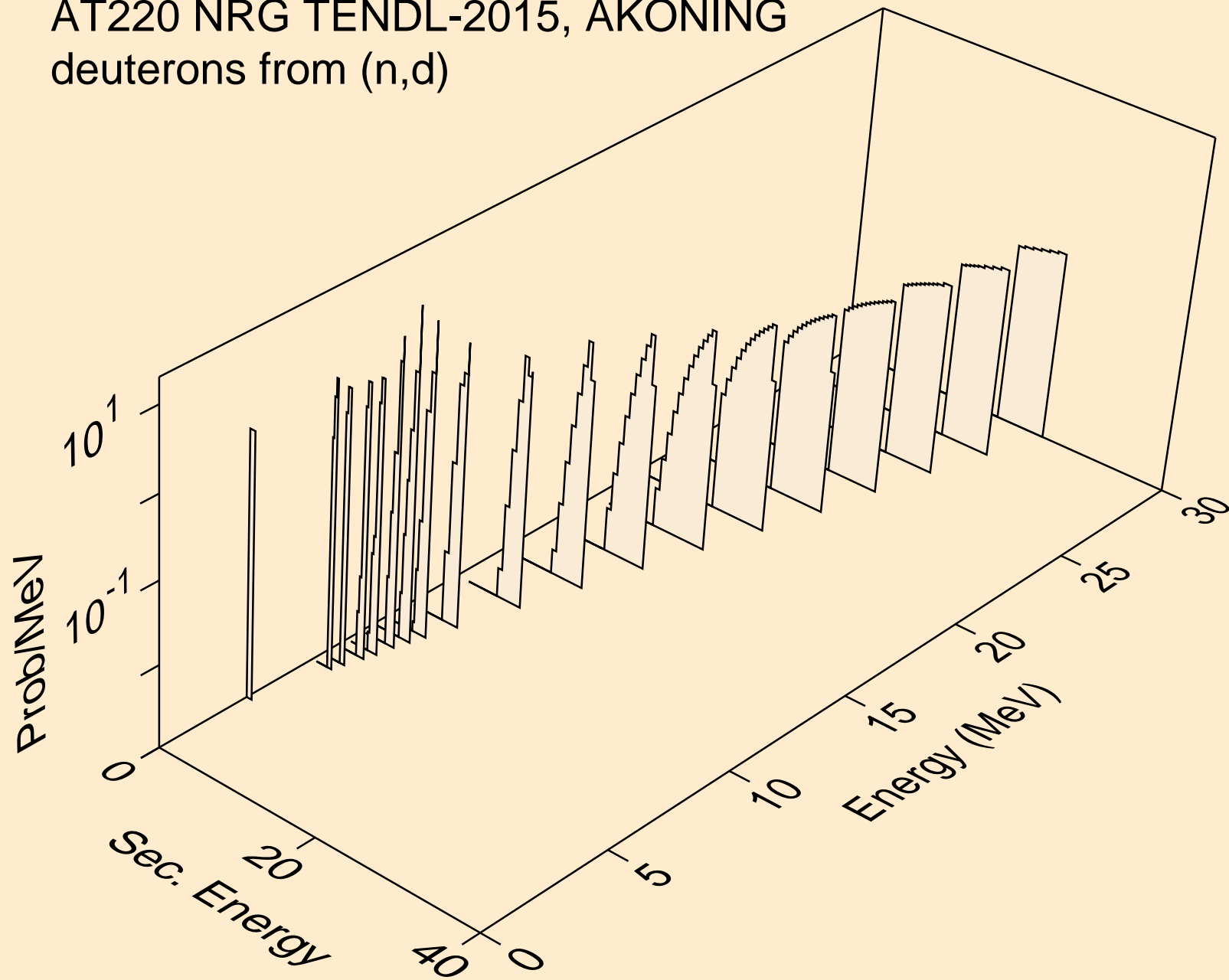
AT220 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



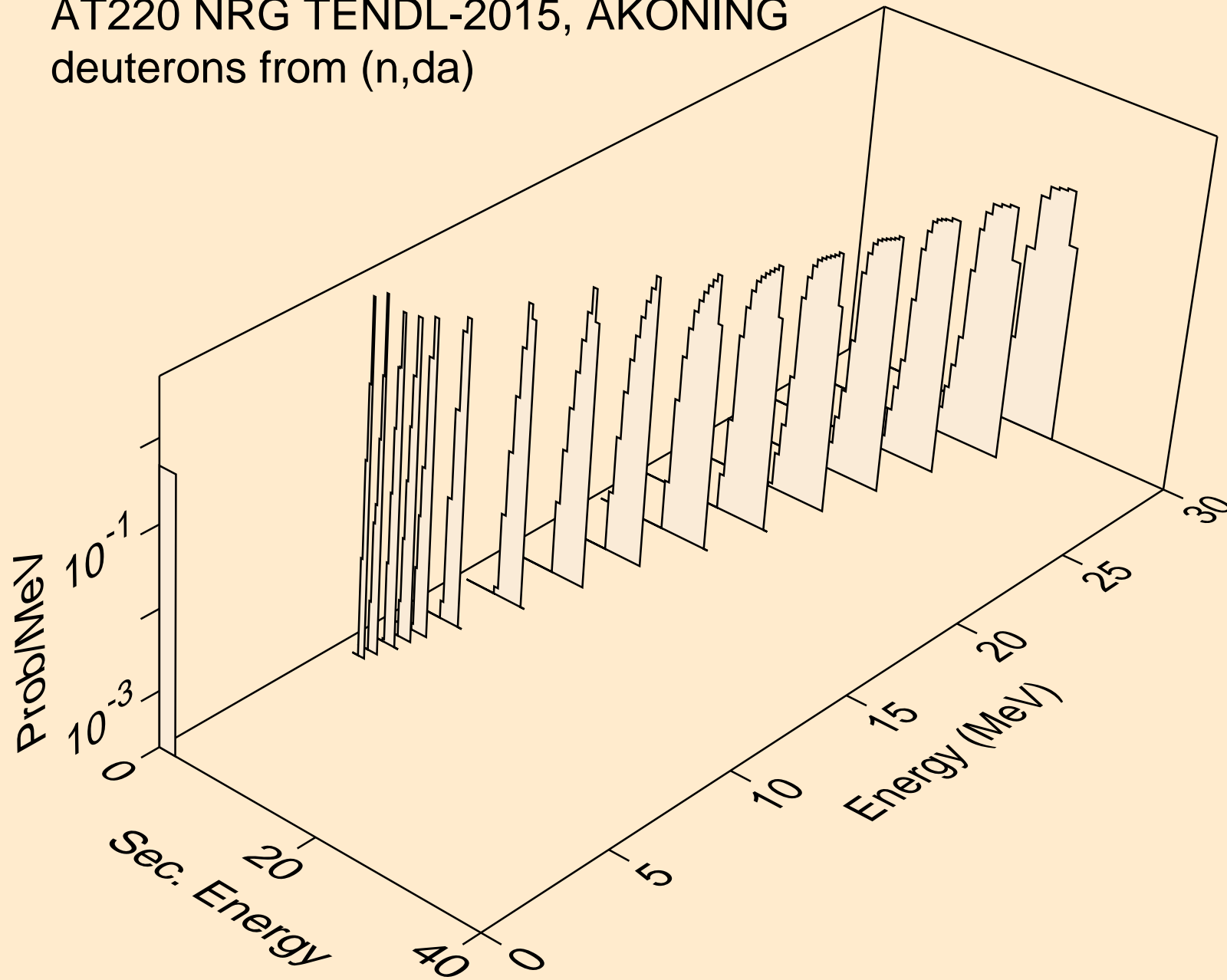
AT220 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



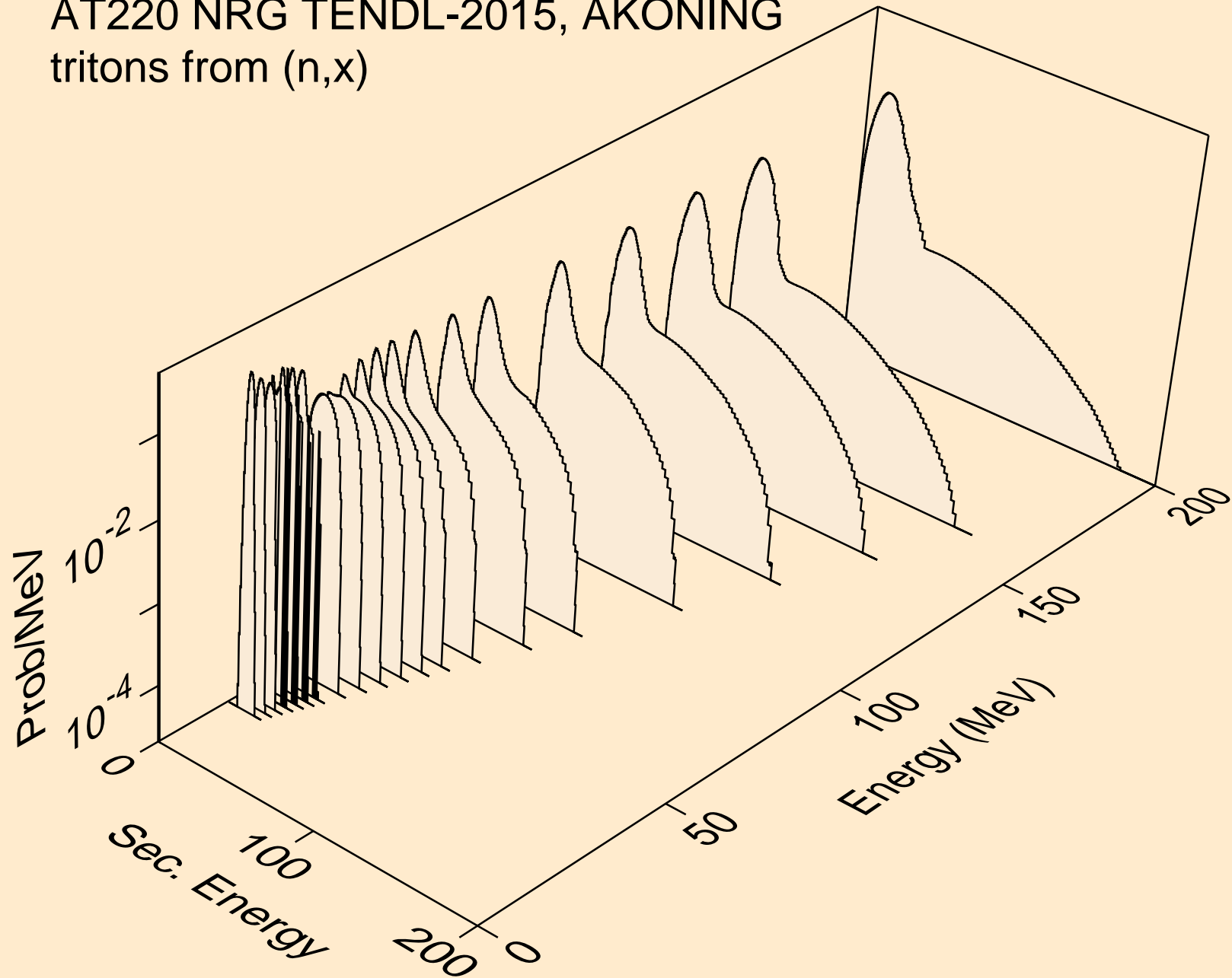
AT220 NRG TENDL-2015, AKONING  
deuterons from (n,d)



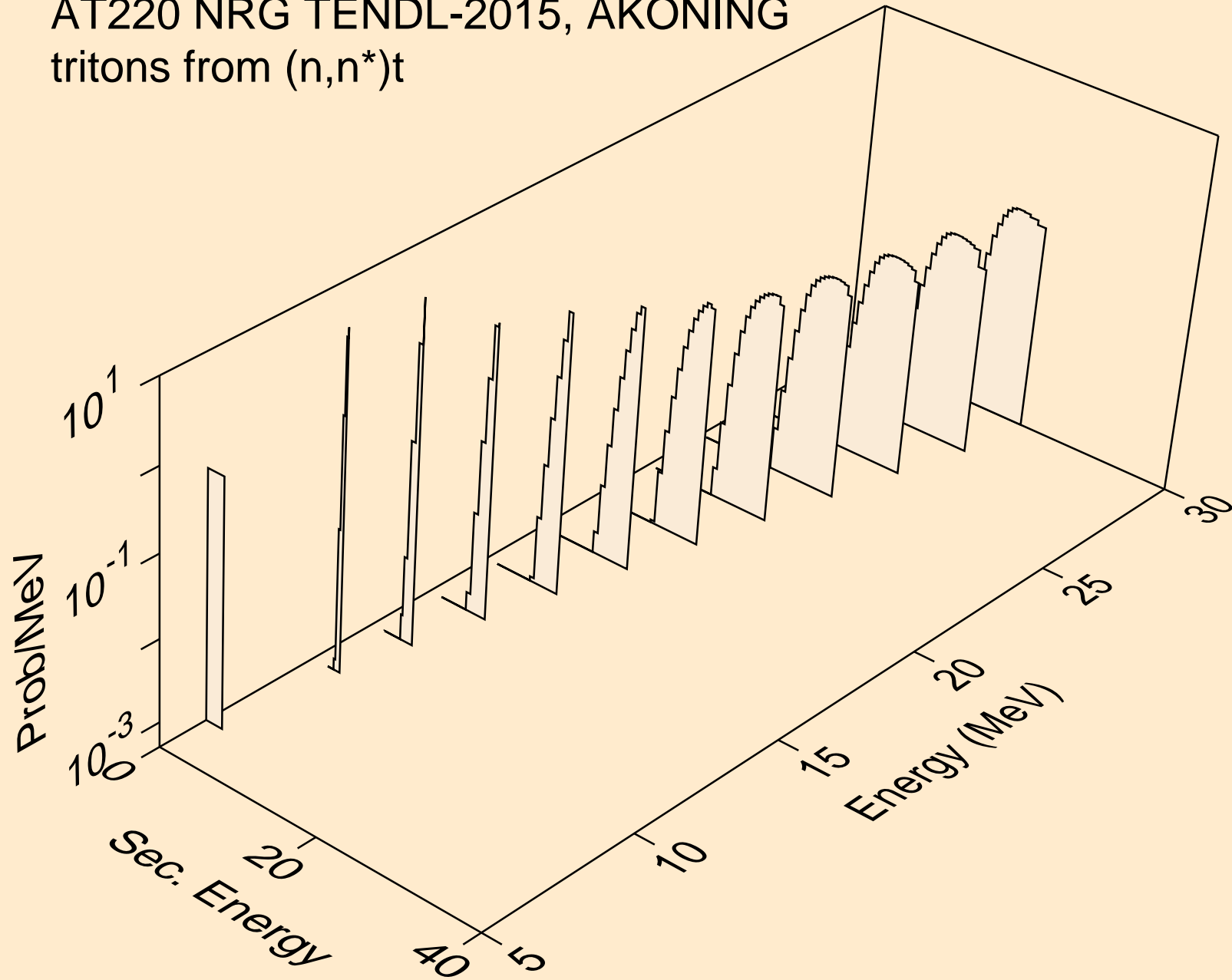
AT220 NRG TENDL-2015, AKONING  
deuterons from (n,da)



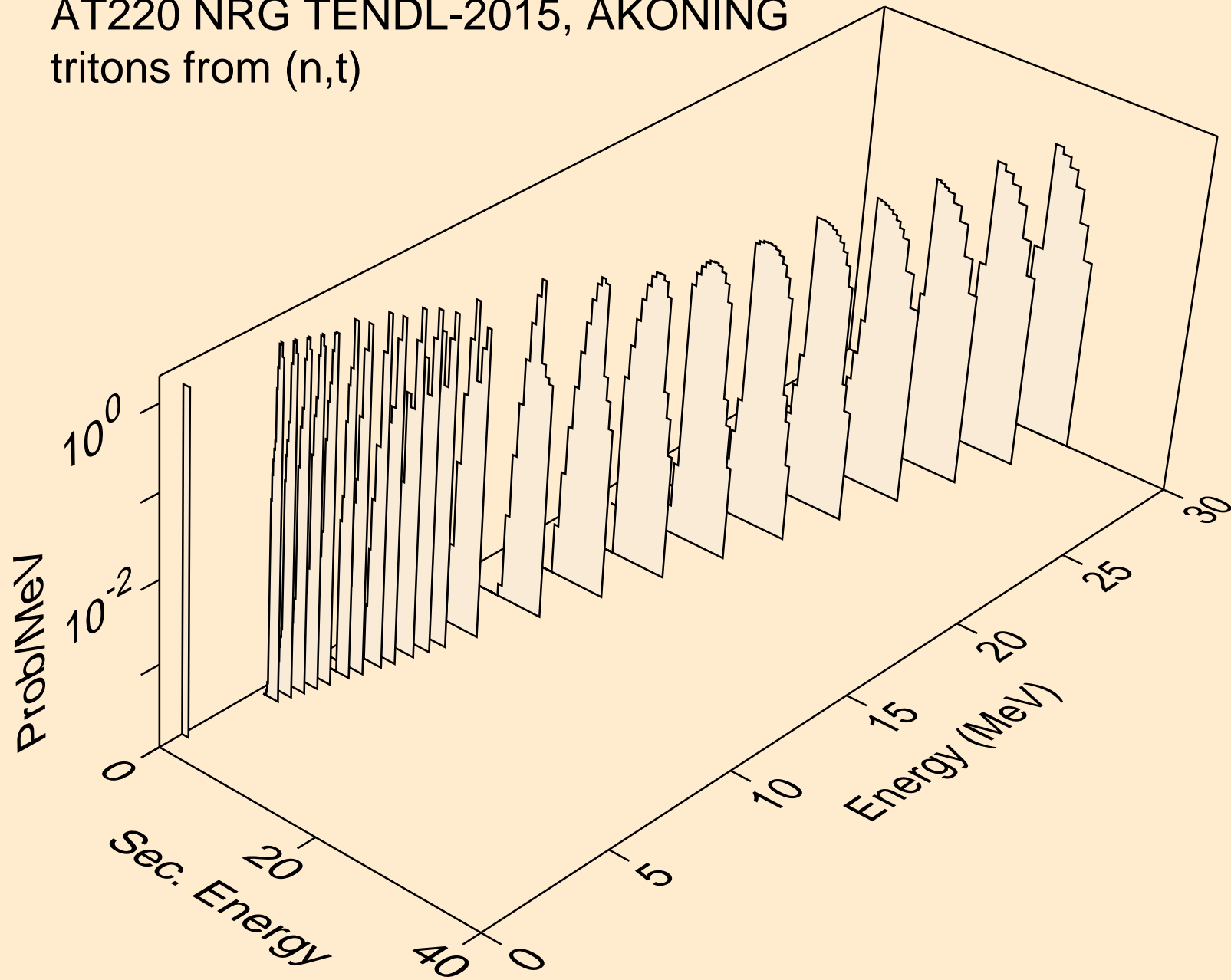
AT220 NRG TENDL-2015, AKONING  
tritons from (n,x)



AT220 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t

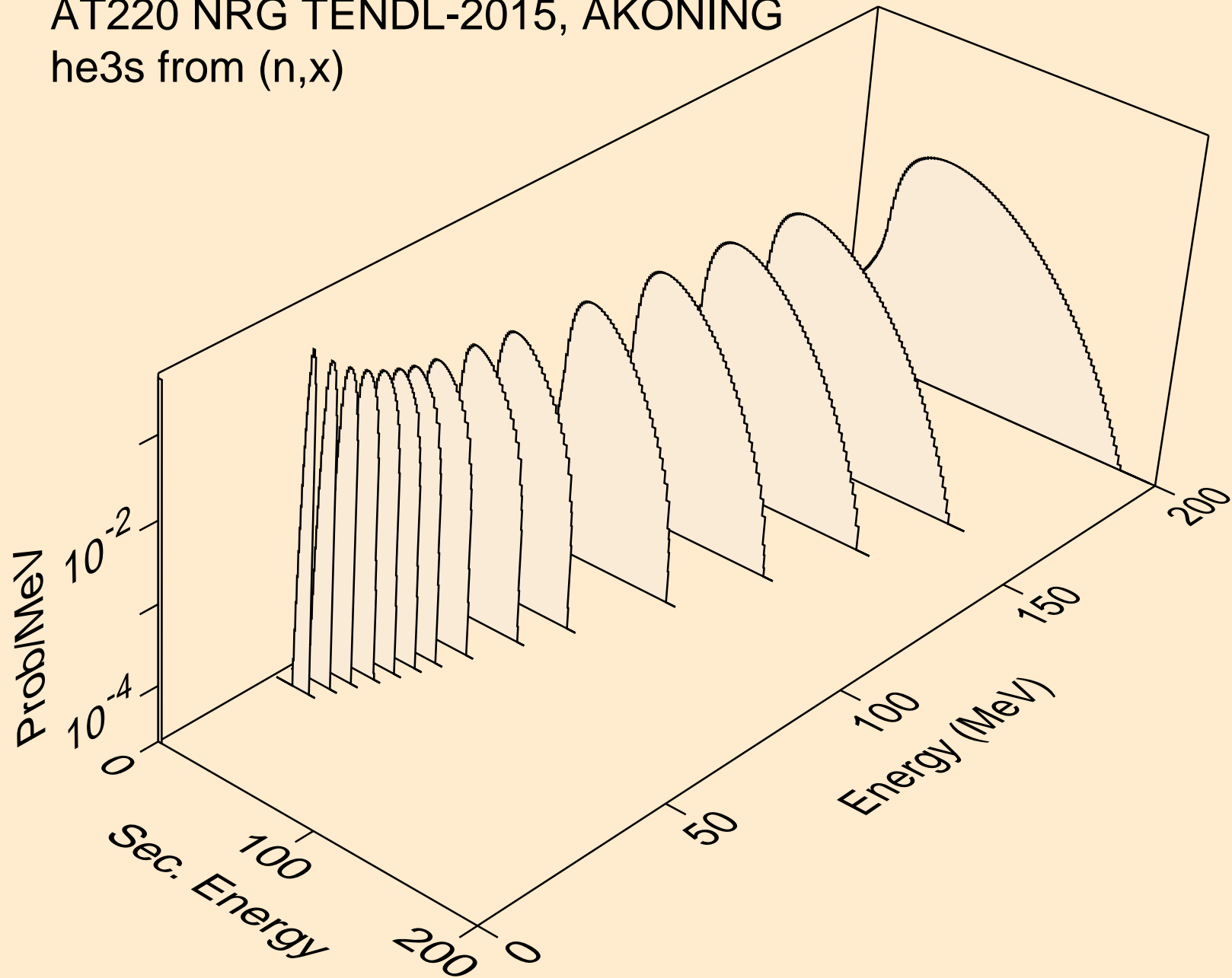


AT220 NRG TENDL-2015, AKONING  
tritons from (n,t)

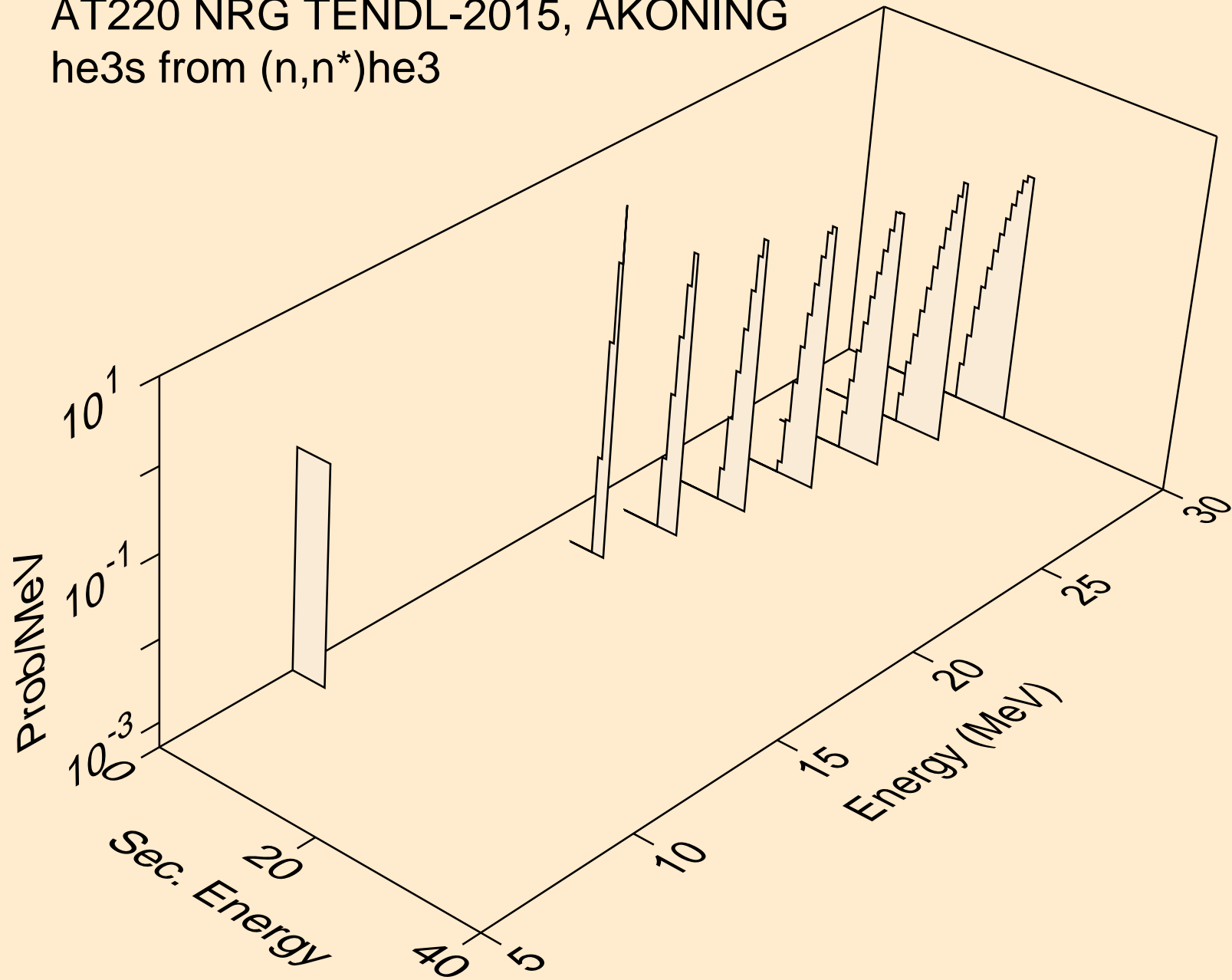




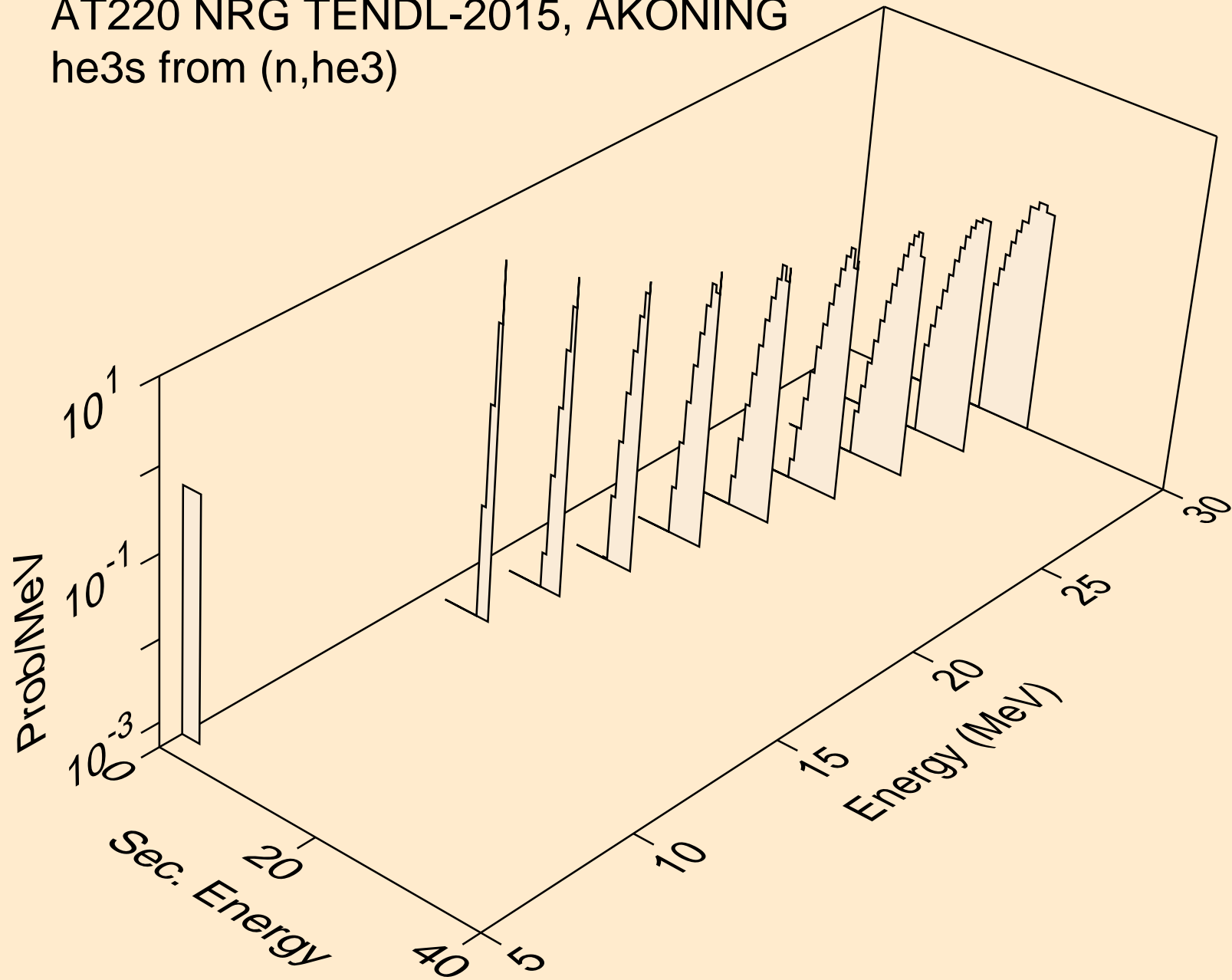
AT220 NRG TENDL-2015, AKONING  
he3s from (n,x)



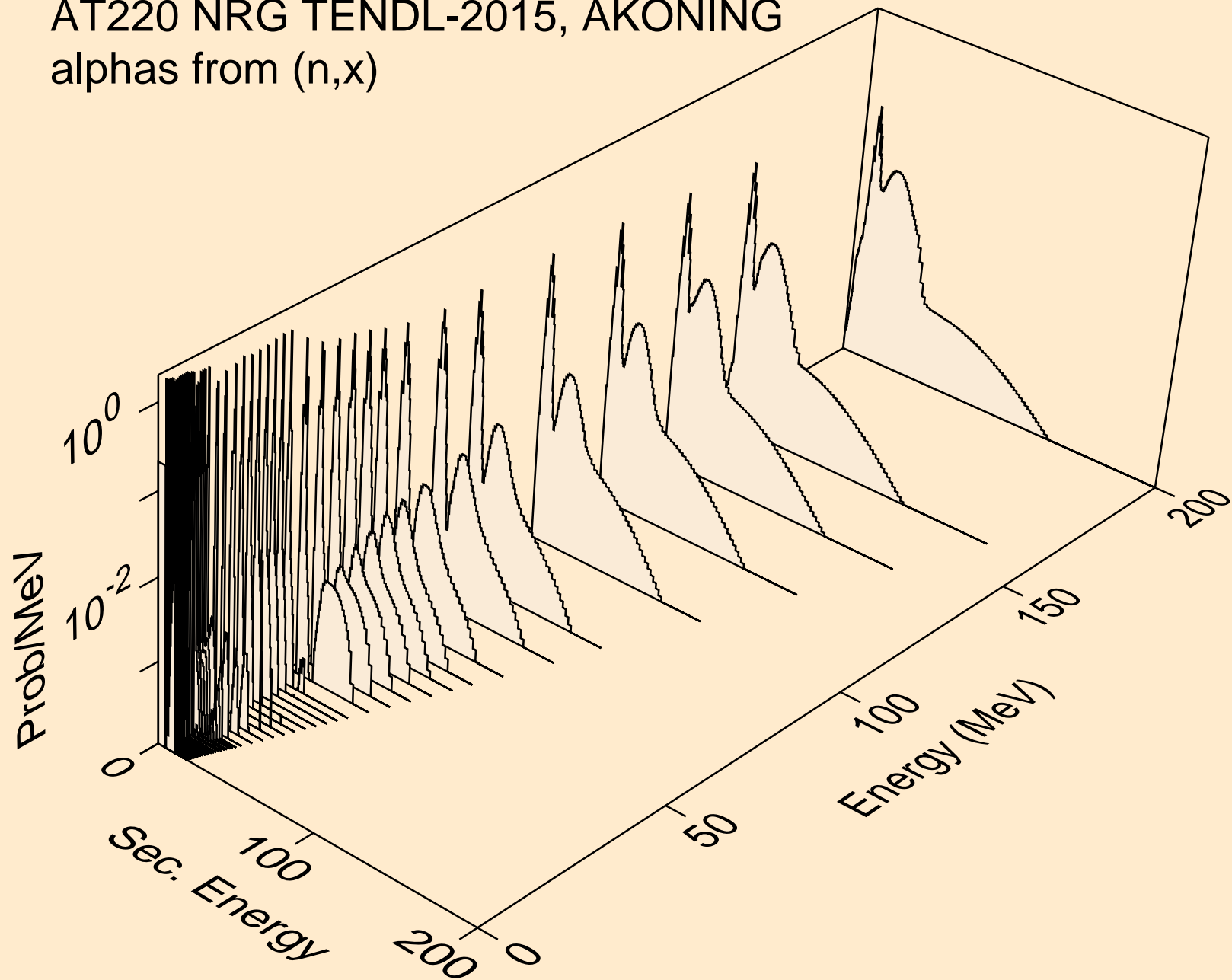
AT220 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



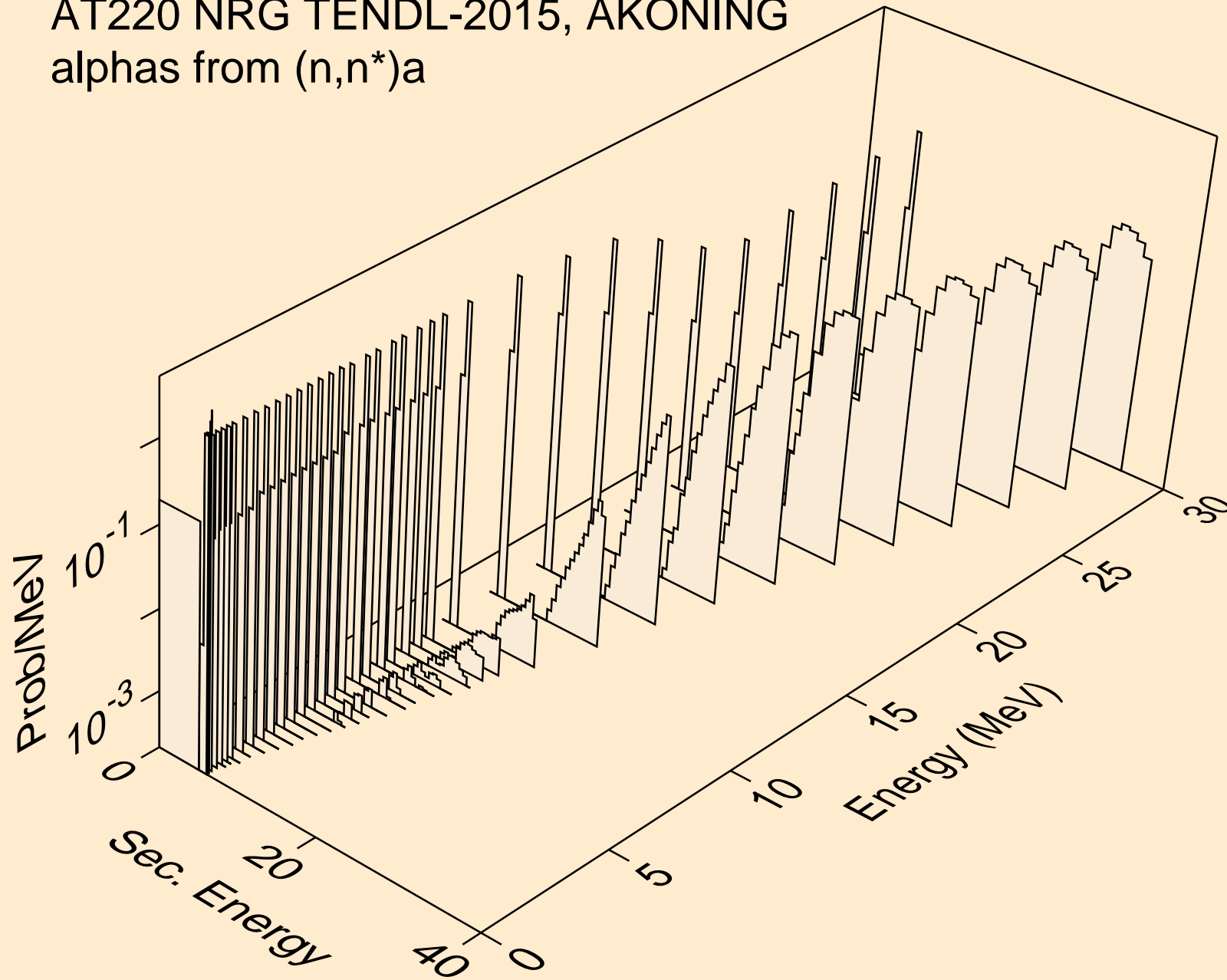
AT220 NRG TENDL-2015, AKONING  
he3s from (n,he3)



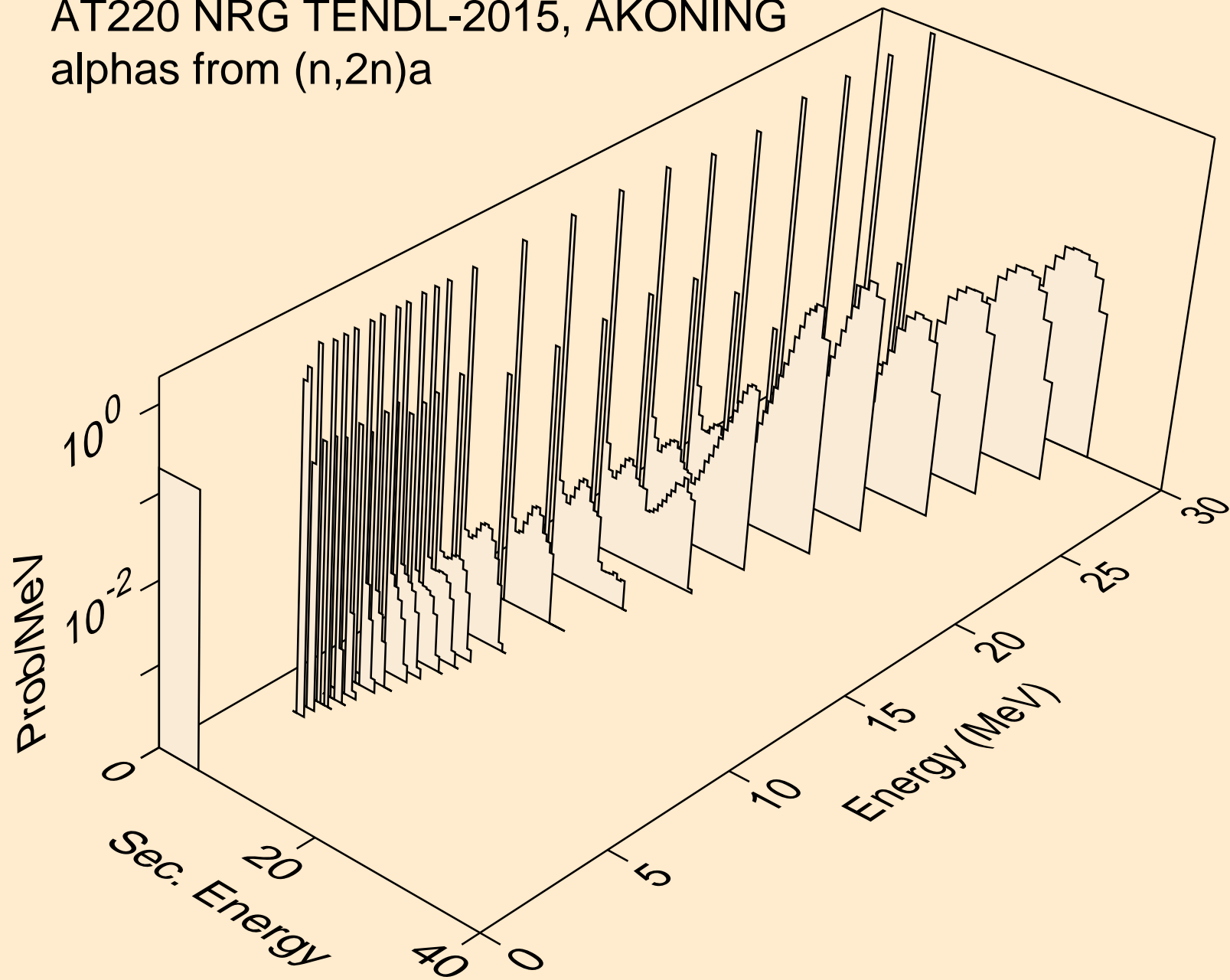
AT220 NRG TENDL-2015, AKONING  
alphas from (n,x)



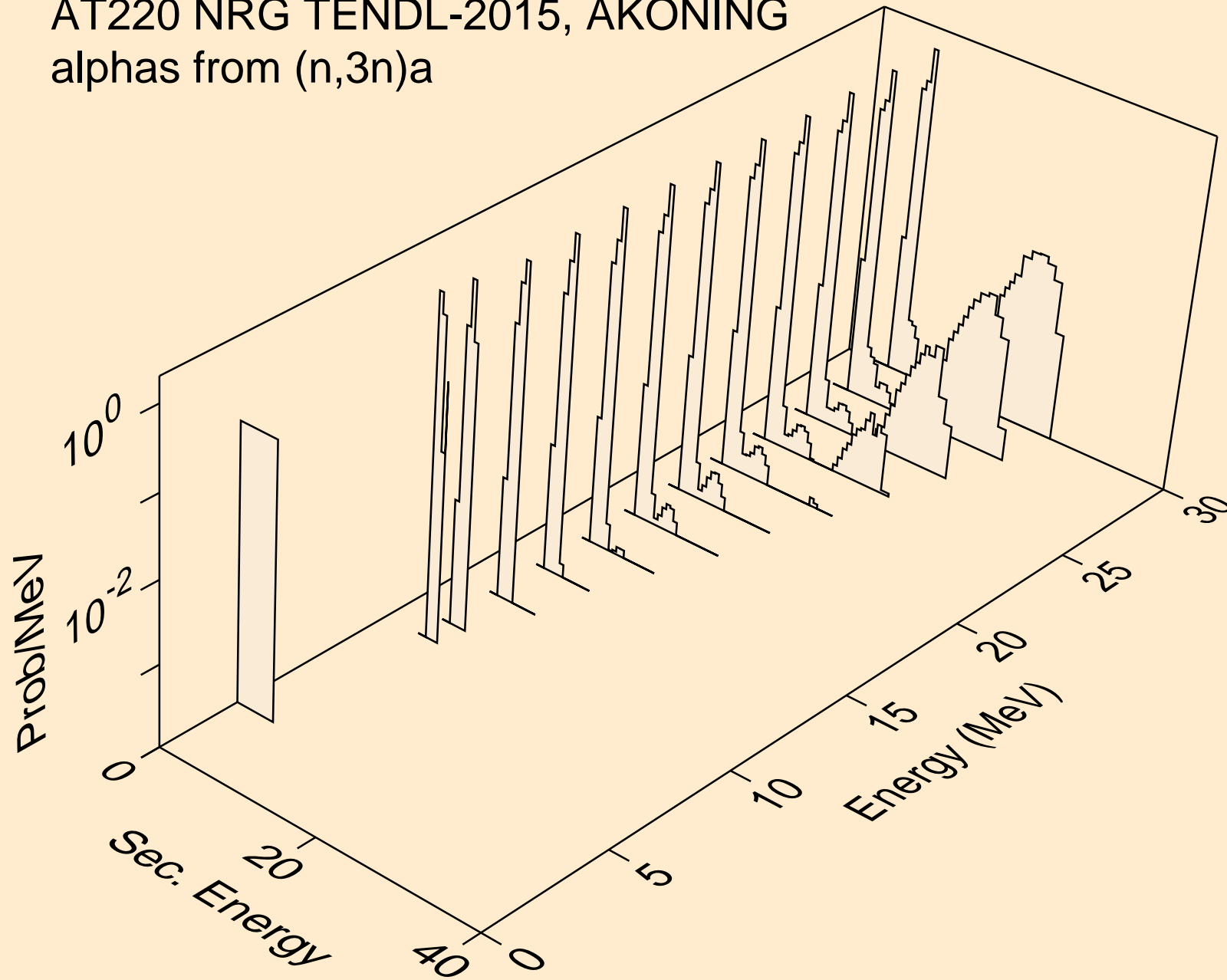
AT220 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



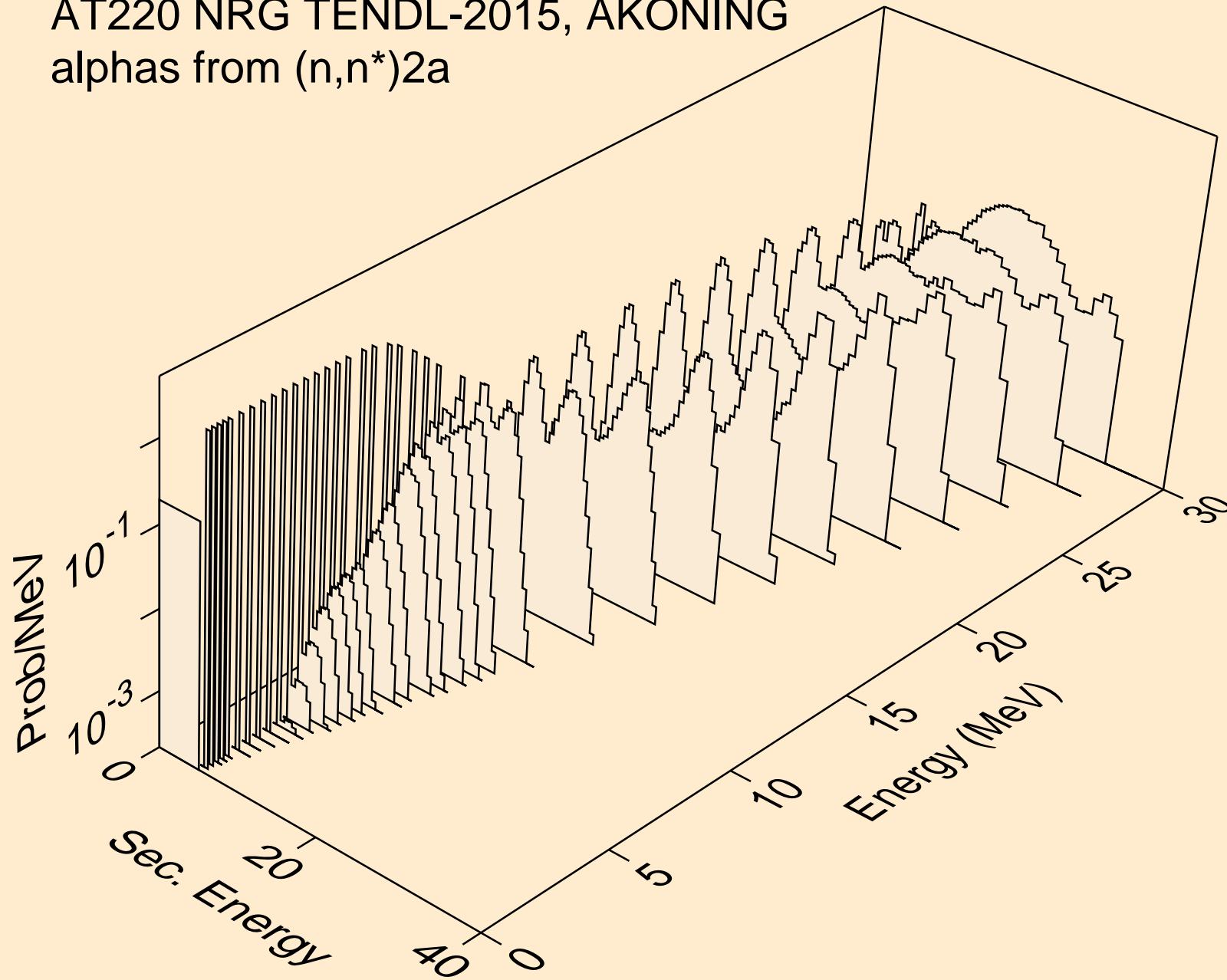
AT220 NRG TENDL-2015, AKONING  
alphas from (n,2n)a



AT220 NRG TENDL-2015, AKONING  
alphas from (n,3n)a

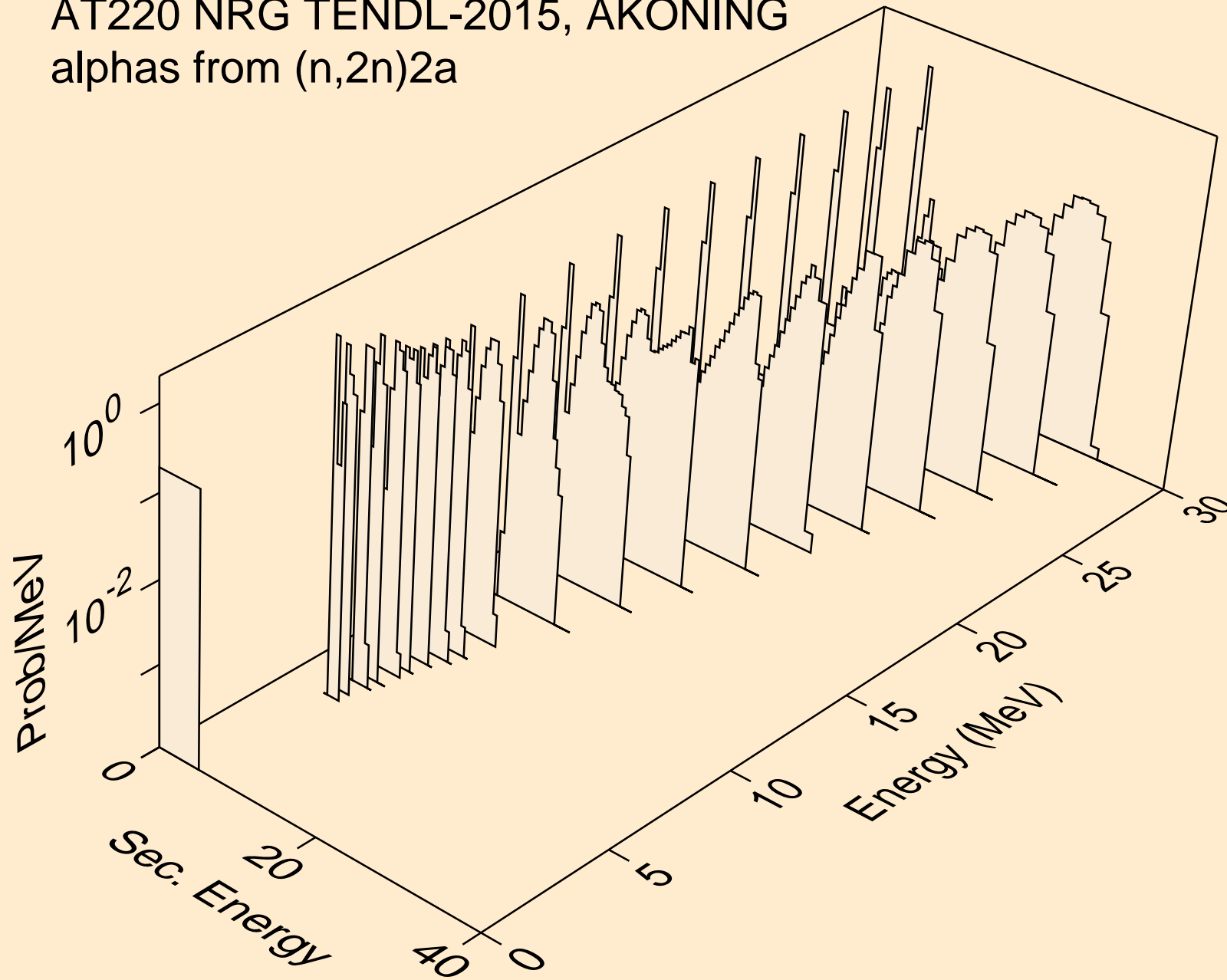


AT220 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a

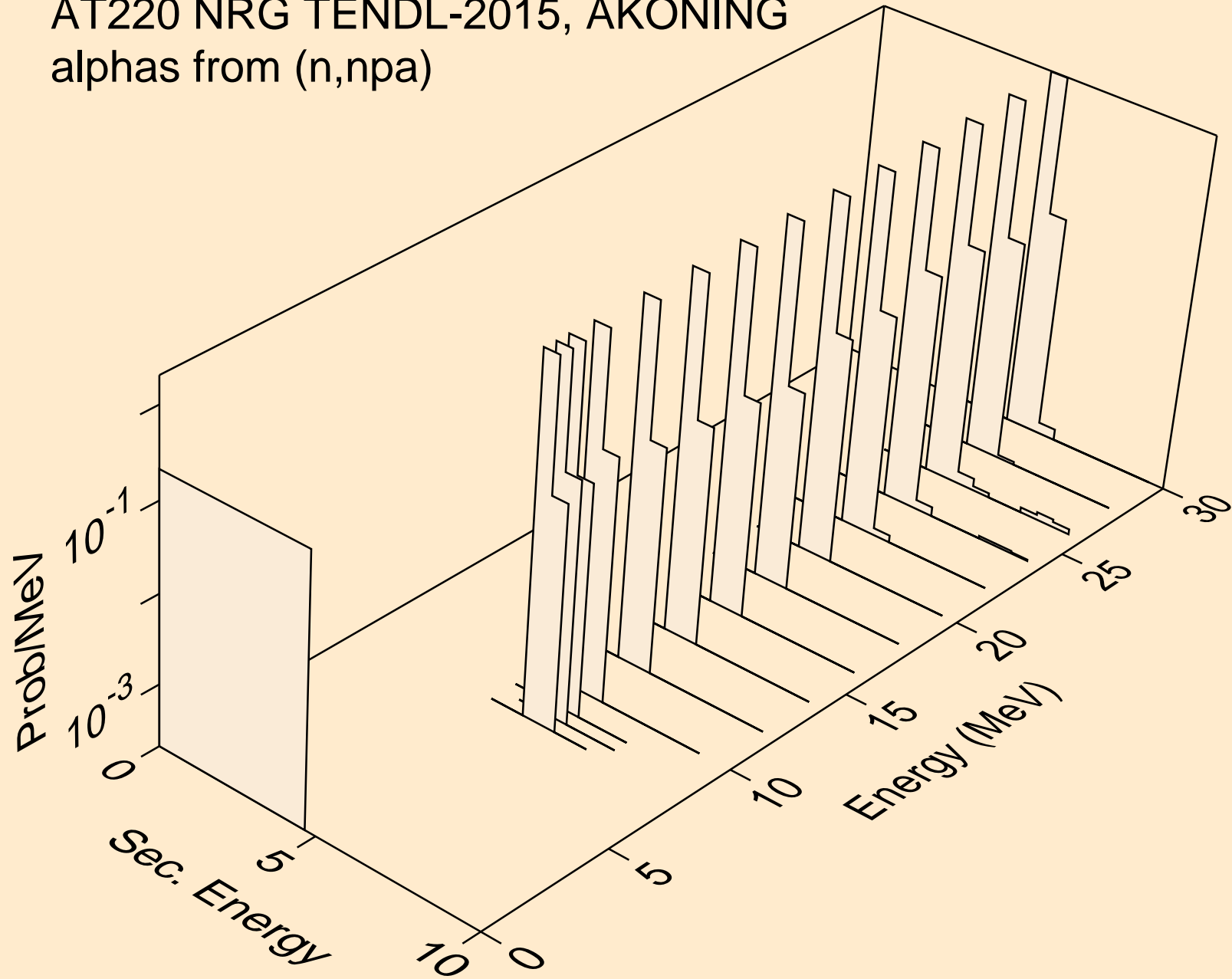




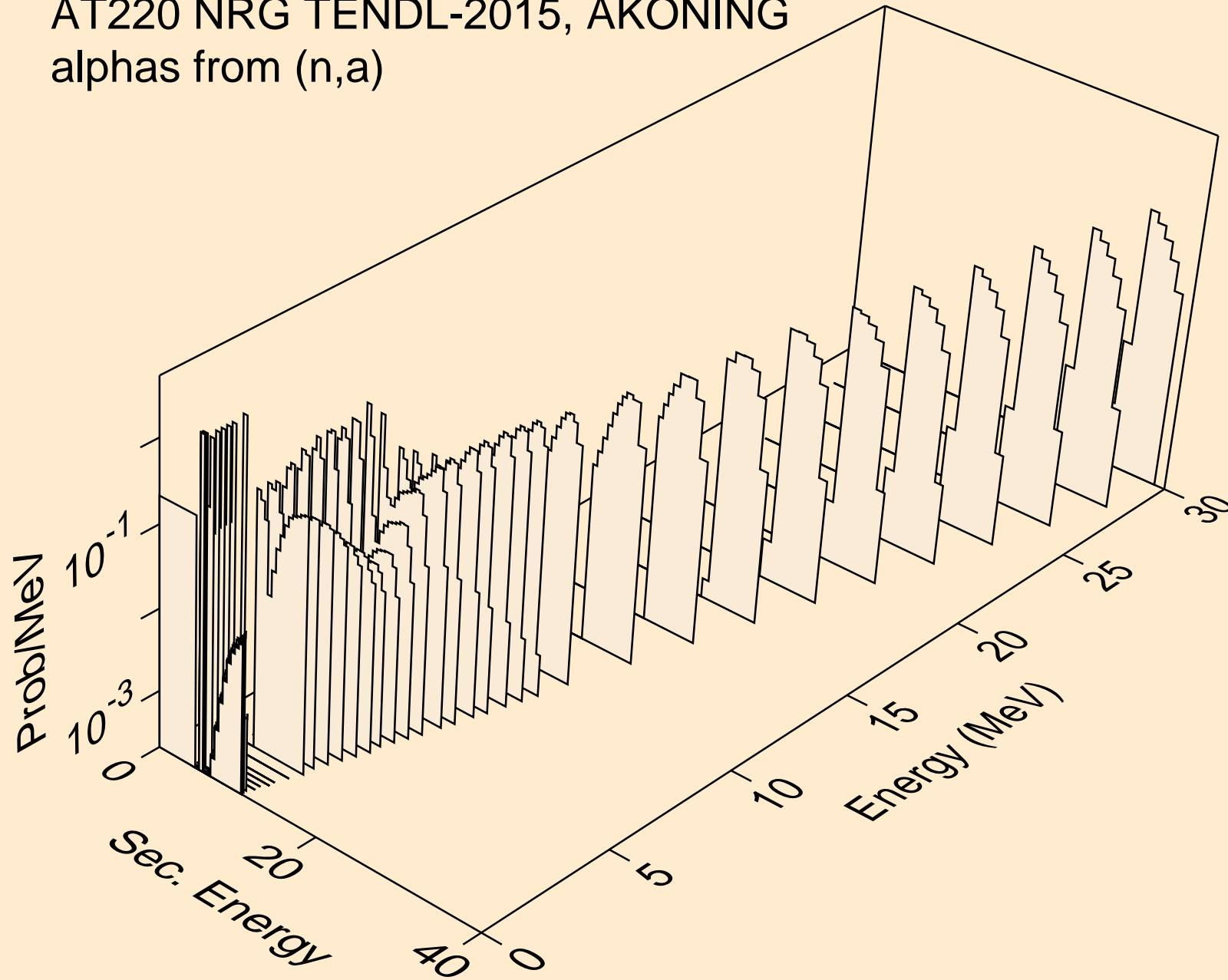
AT220 NRG TENDL-2015, AKONING  
alphas from (n,2n)2a



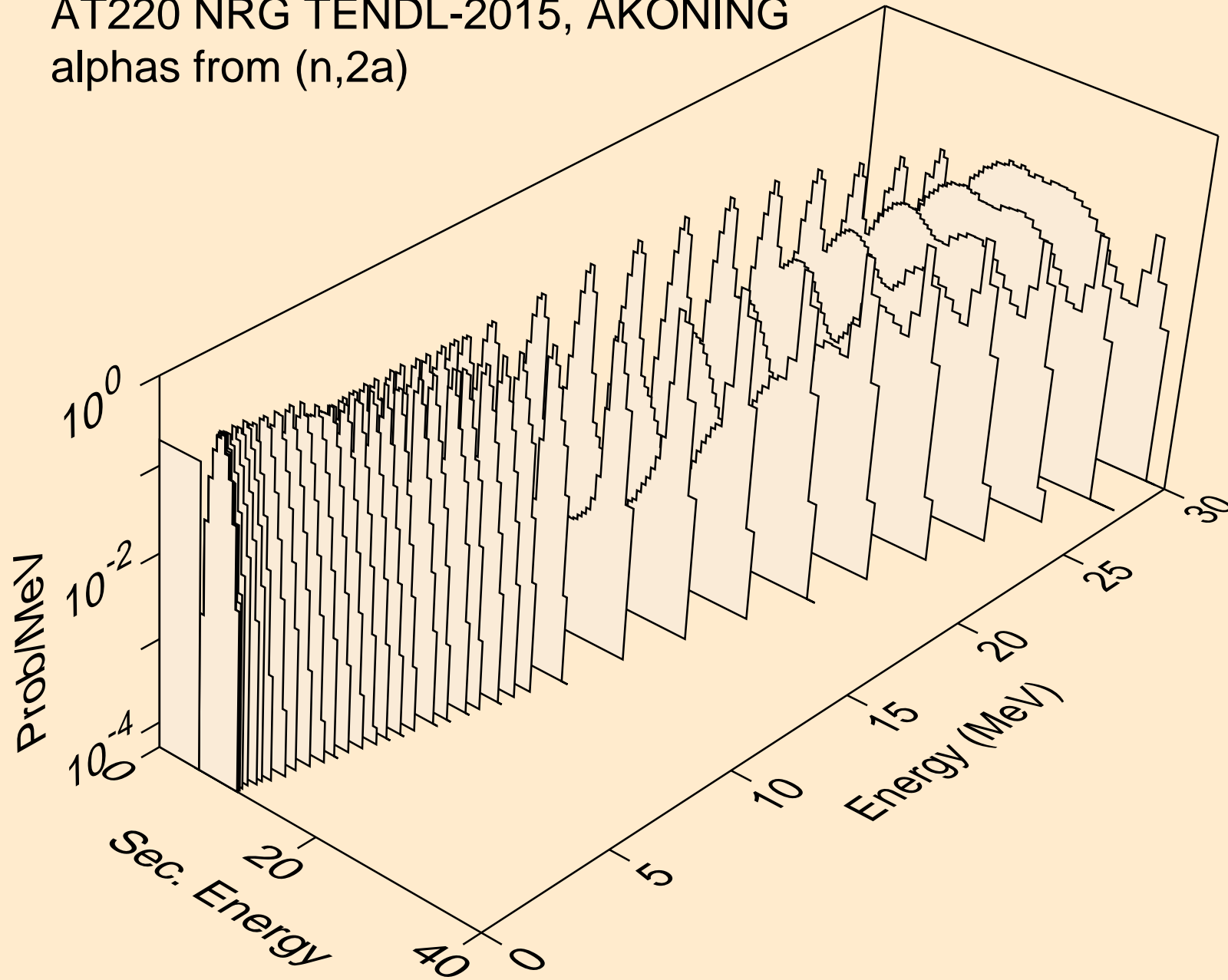
AT220 NRG TENDL-2015, AKONING  
alphas from (n,npa)



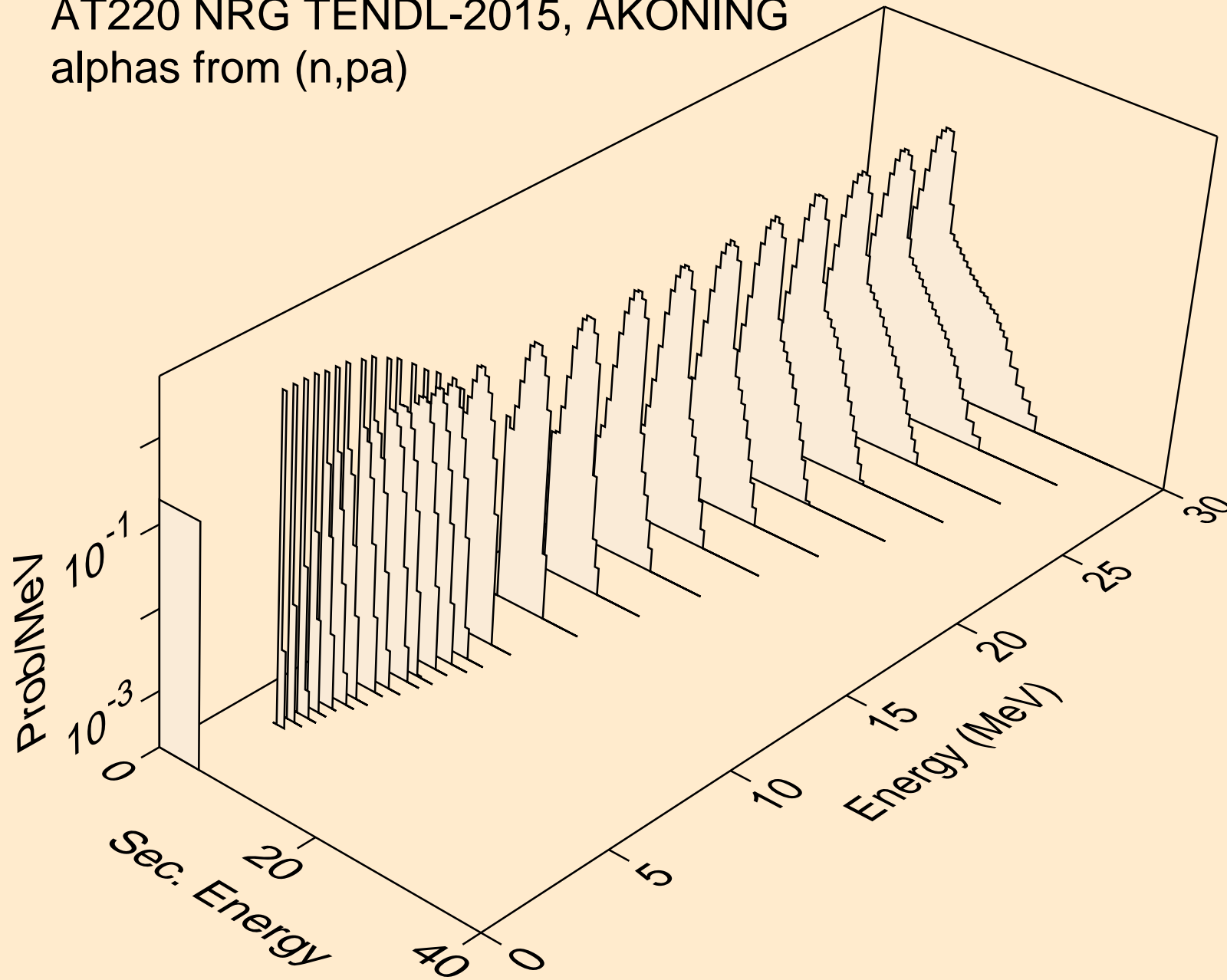
AT220 NRG TENDL-2015, AKONING  
alphas from (n,a)



AT220 NRG TENDL-2015, AKONING  
alphas from (n,2a)



AT220 NRG TENDL-2015, AKONING  
alphas from (n,pa)



AT220 NRG TENDL-2015, AKONING  
alphas from (n,da)

