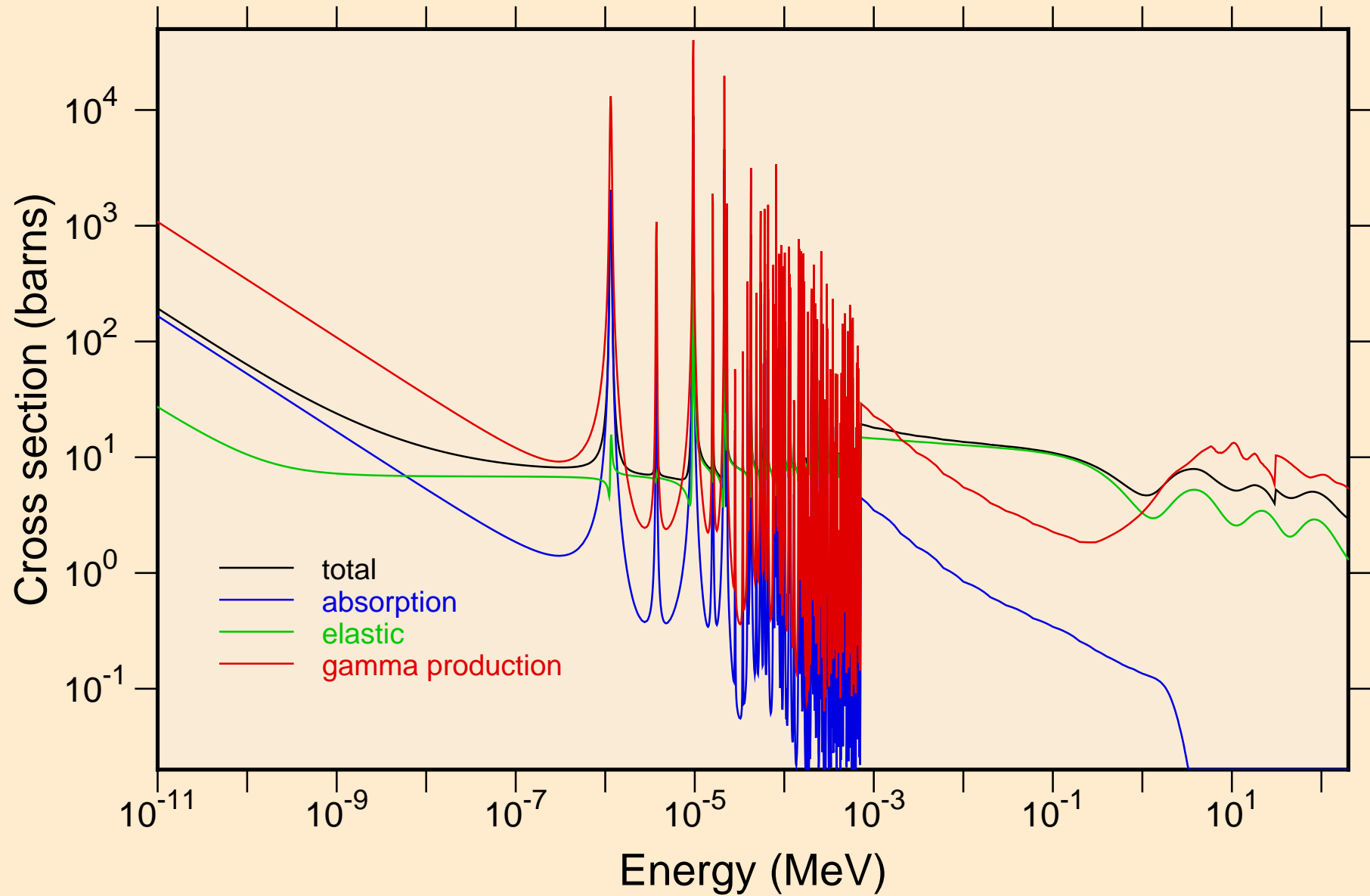
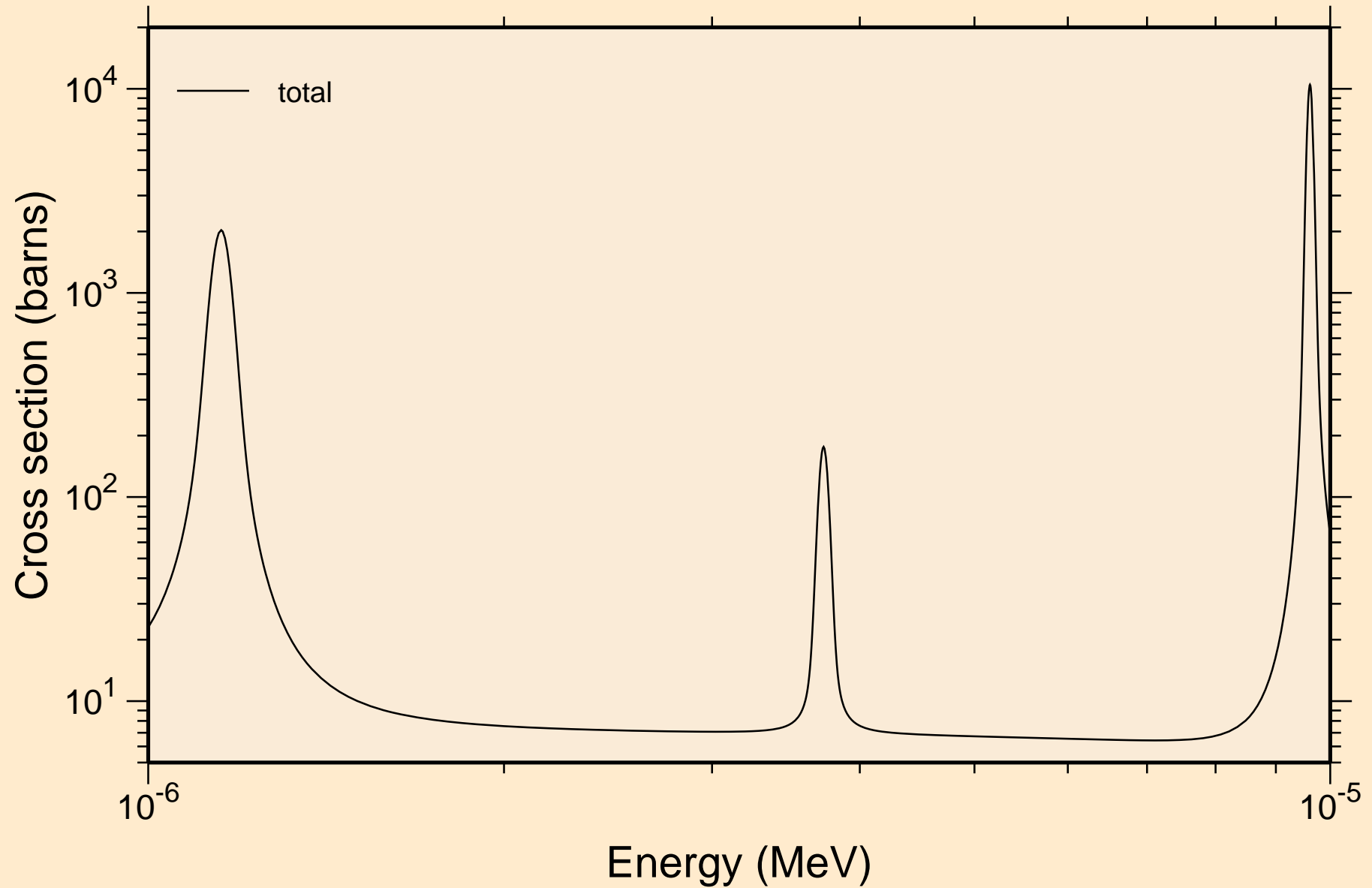


# AT221 NRG TENDL-2015, AKONING

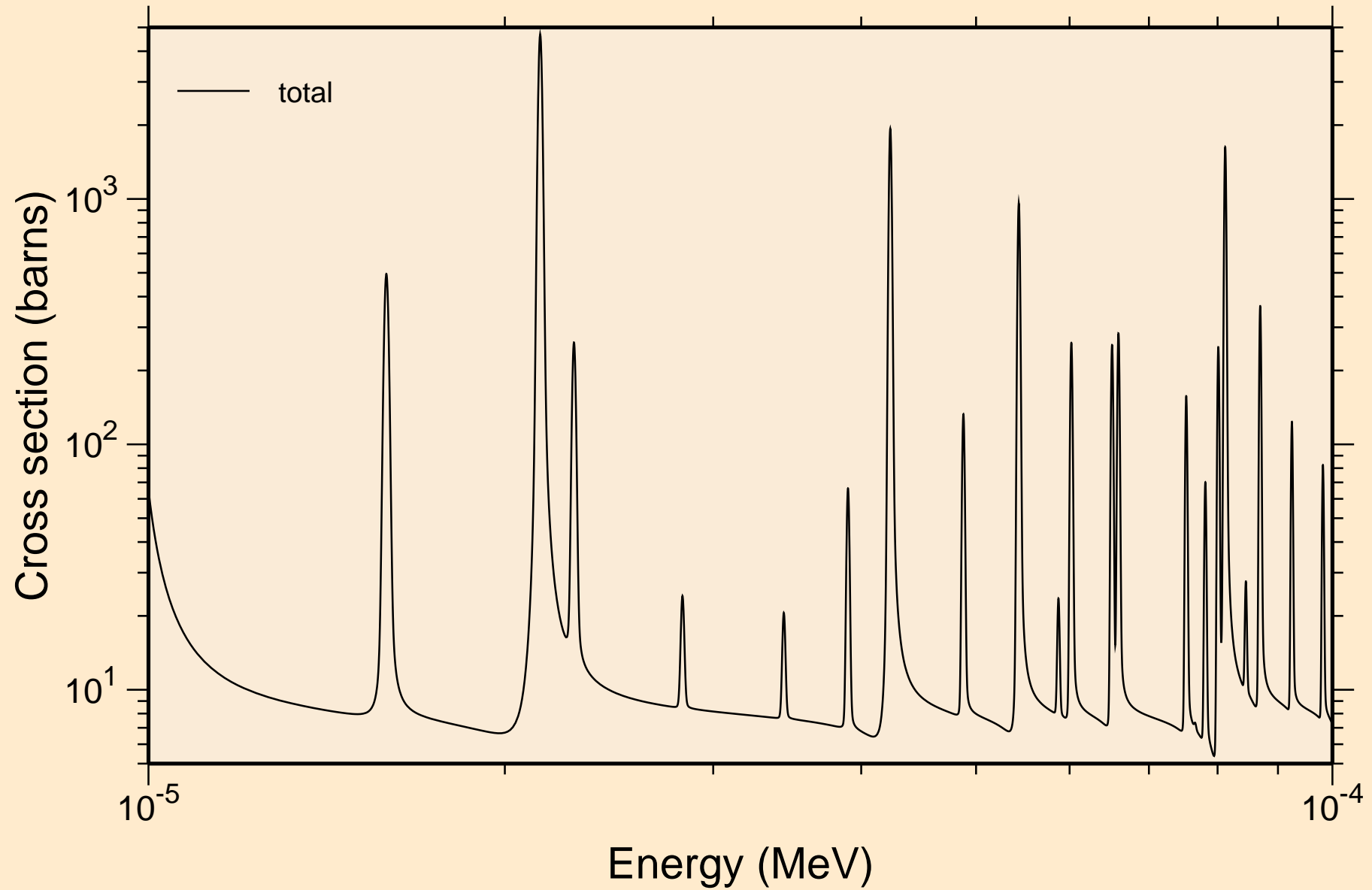
## Principal cross sections



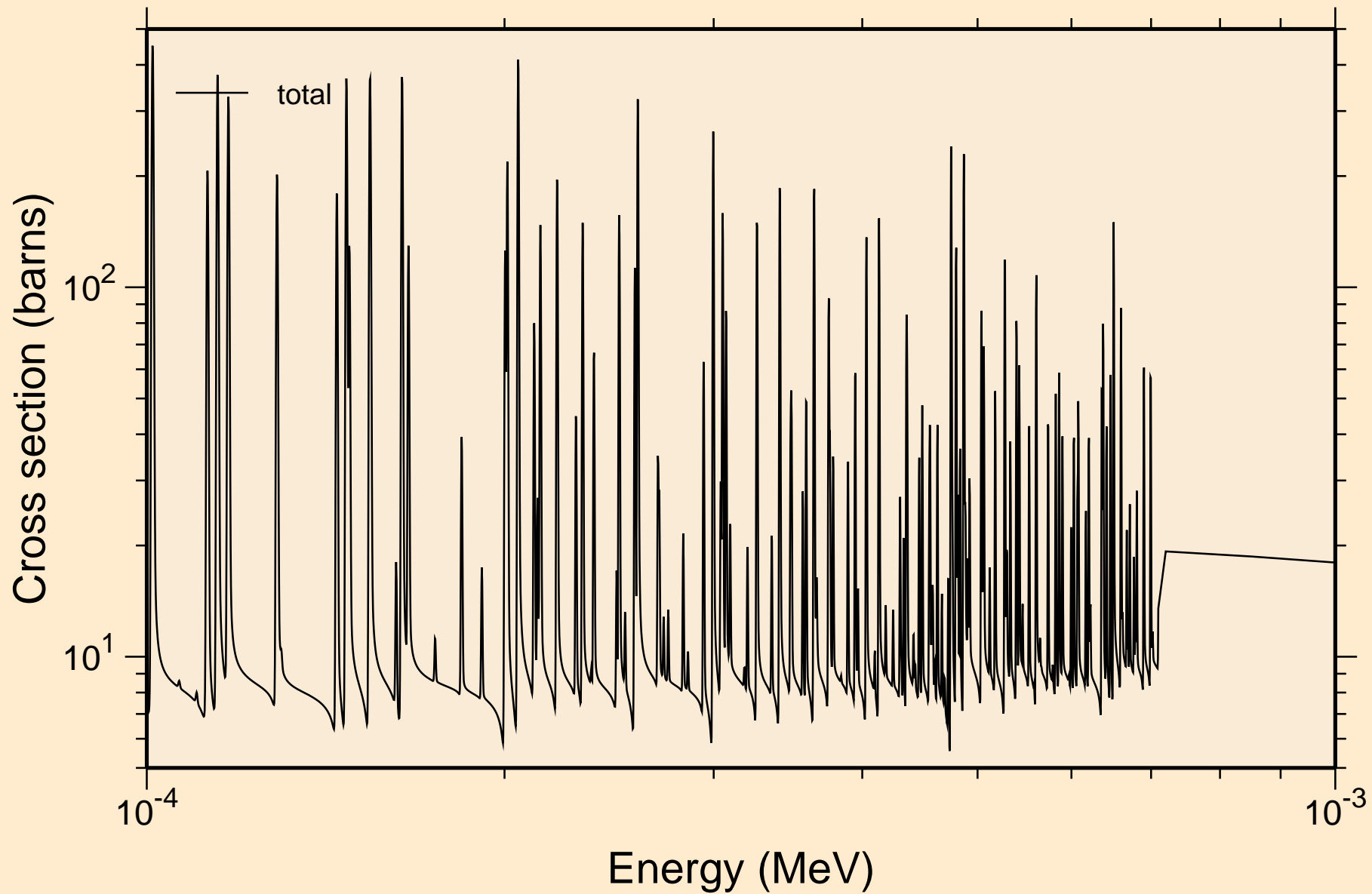
AT221 NRG TENDL-2015, AKONING  
resonance total cross section



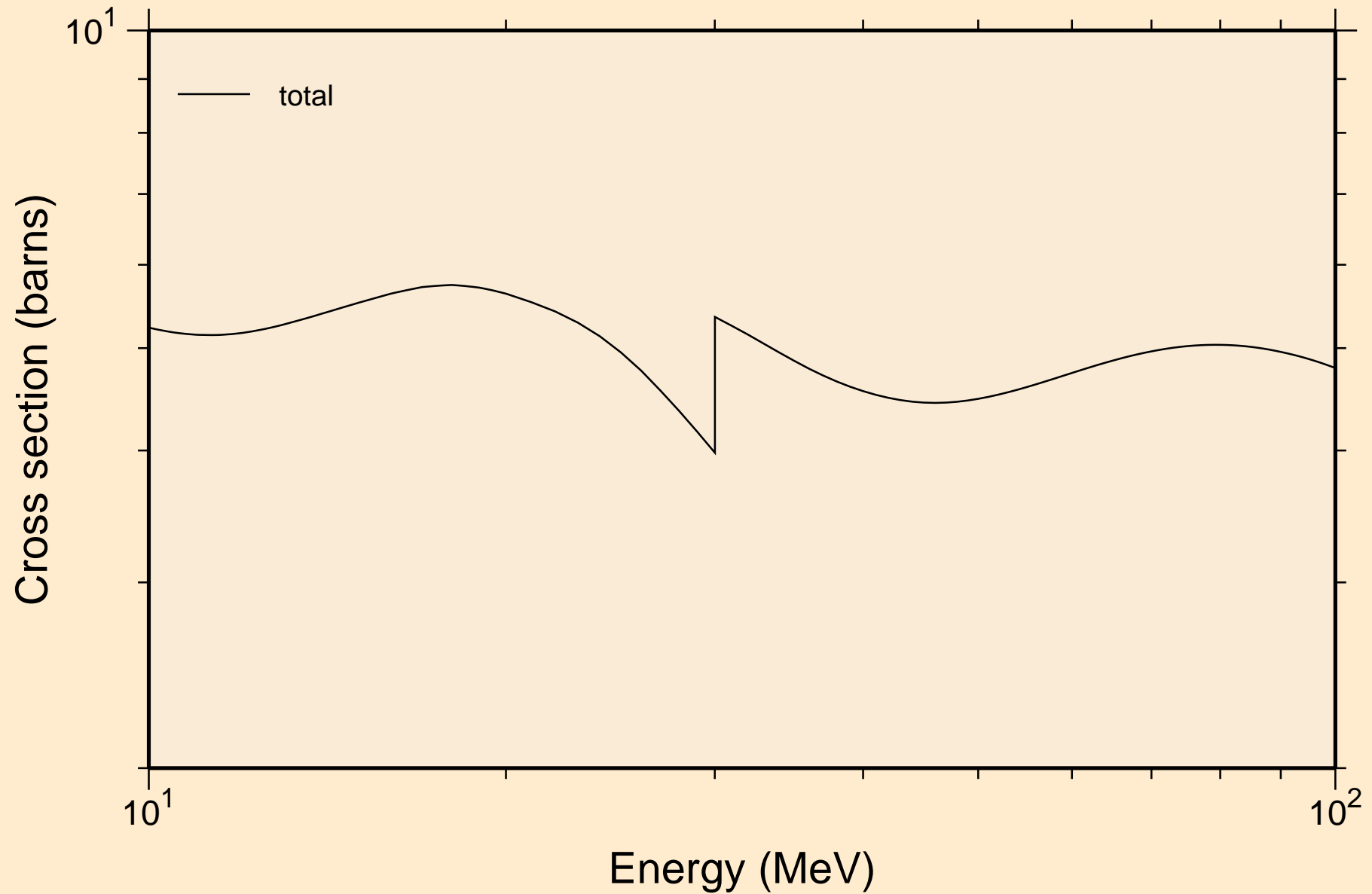
AT221 NRG TENDL-2015, AKONING  
resonance total cross section



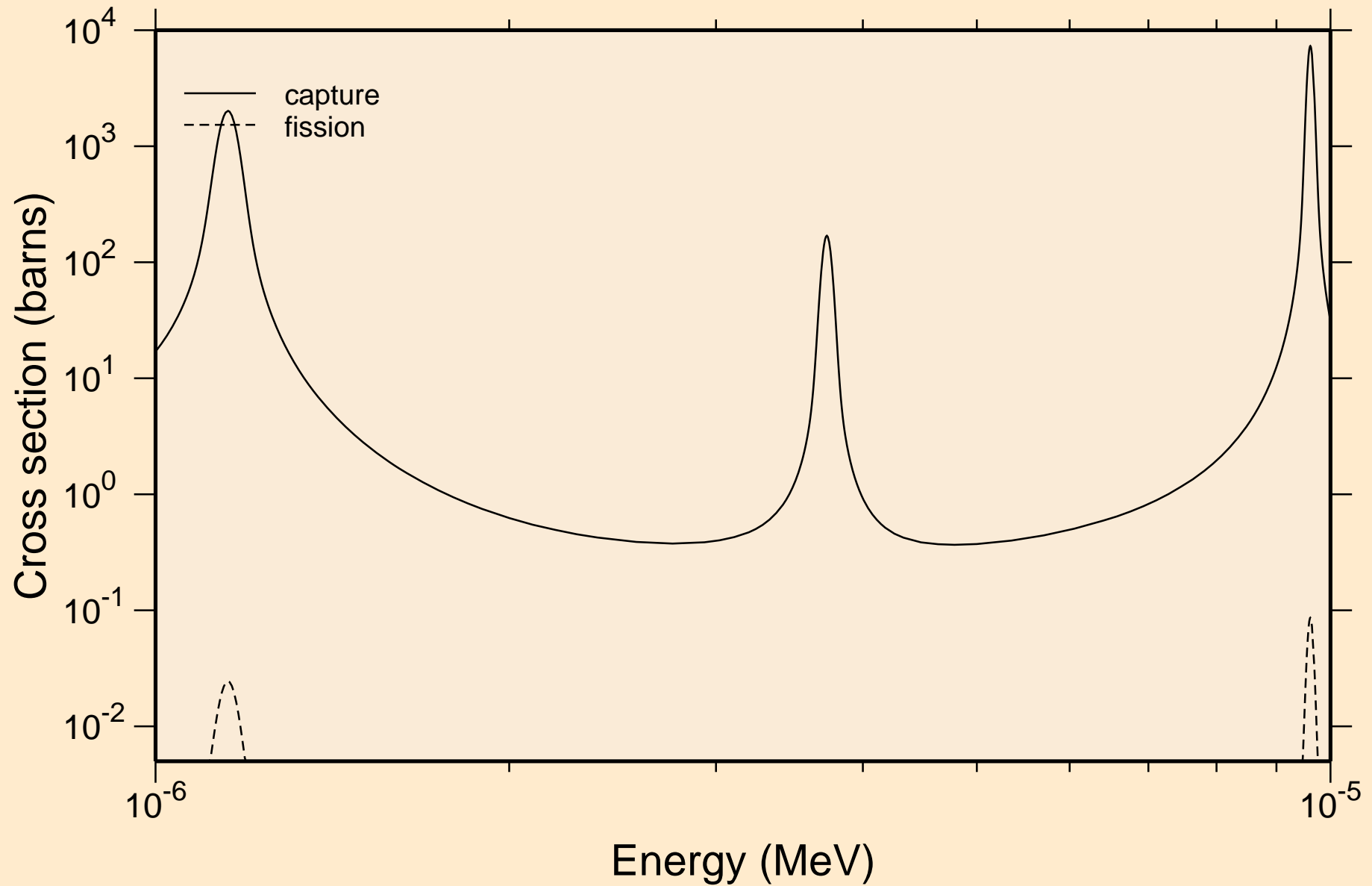
AT221 NRG TENDL-2015, AKONING  
resonance total cross section



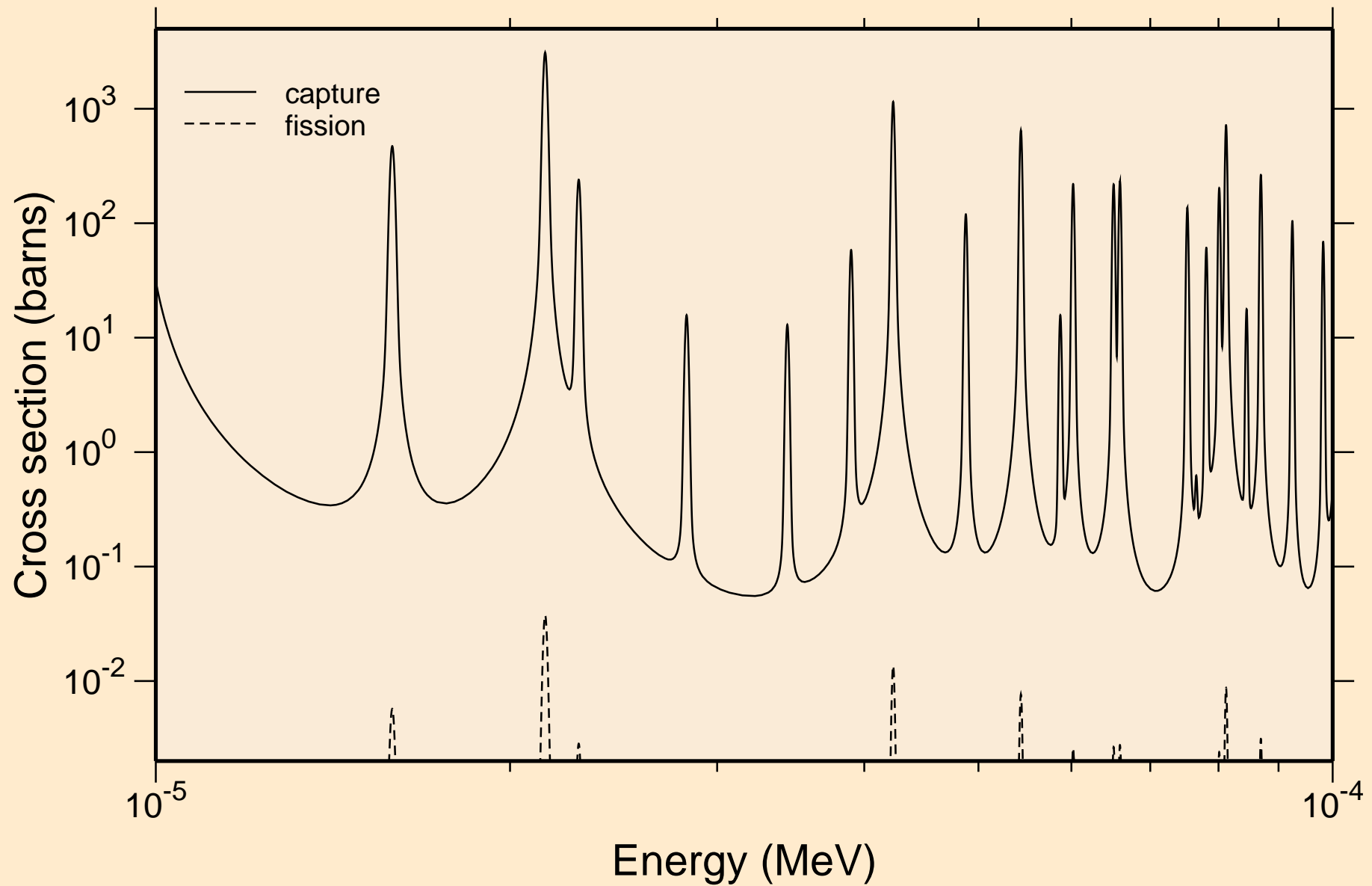
AT221 NRG TENDL-2015, AKONING  
resonance total cross section



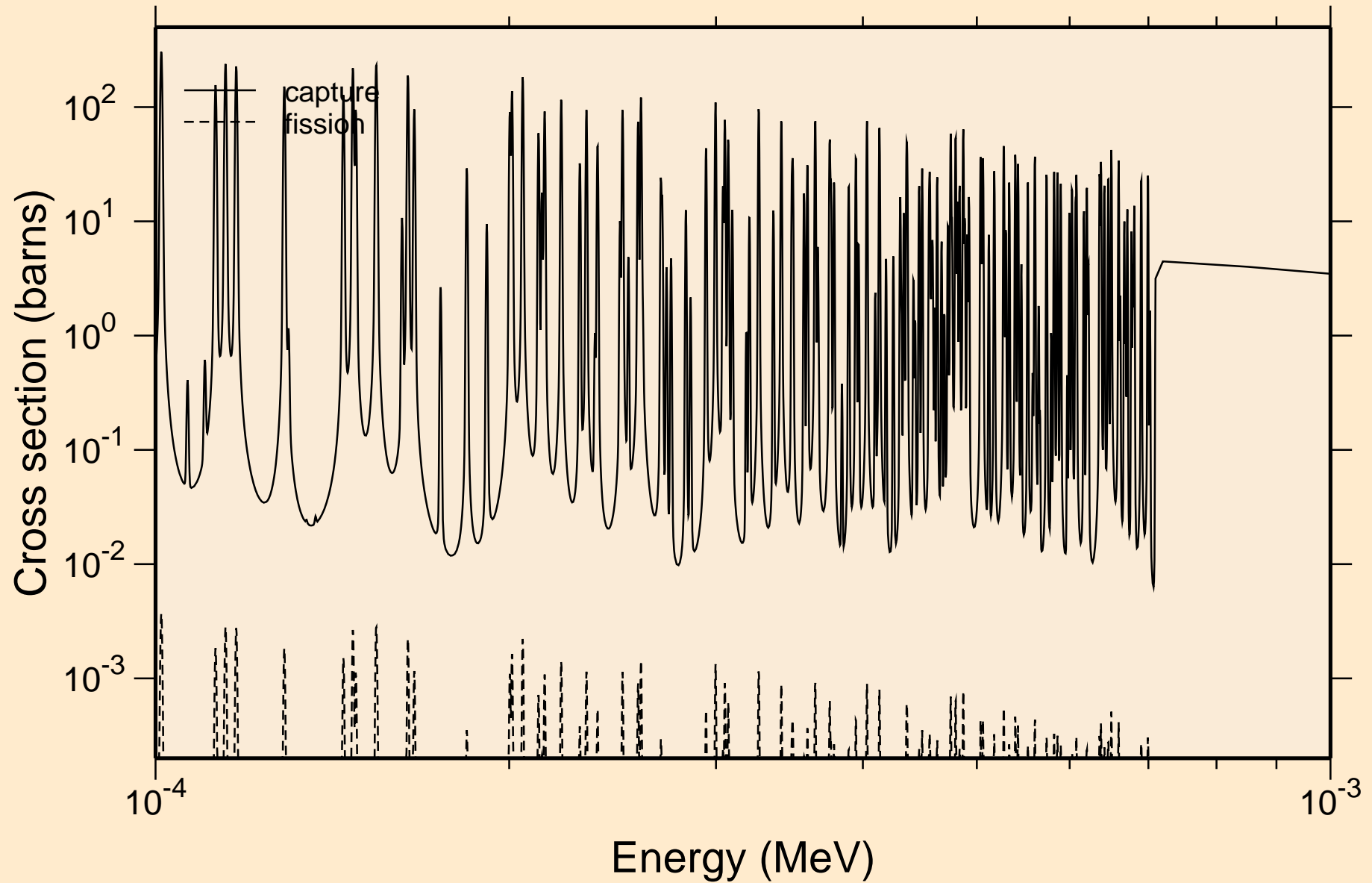
# AT221 NRG TENDL-2015, AKONING resonance absorption cross sections



# AT221 NRG TENDL-2015, AKONING resonance absorption cross sections



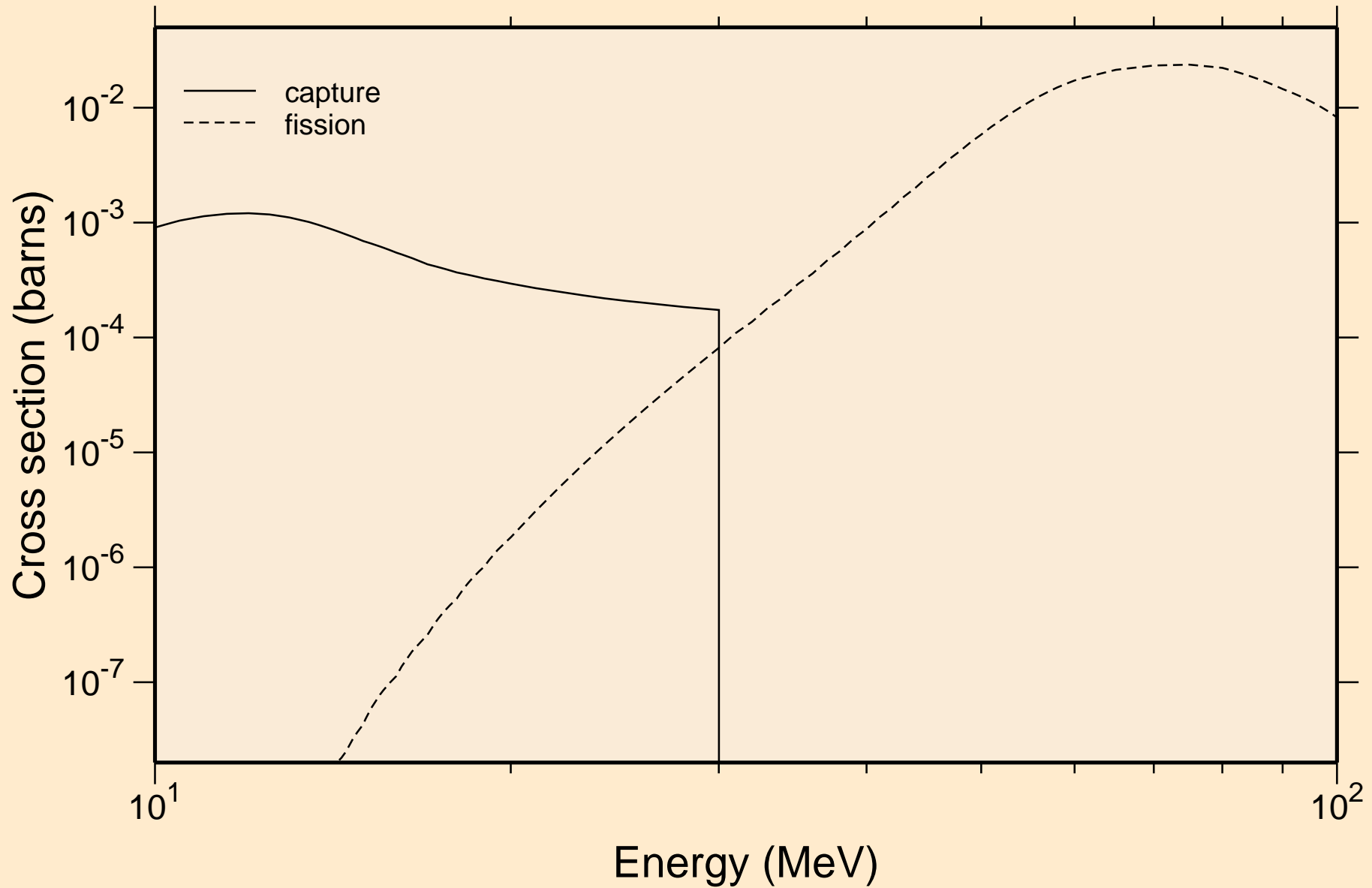
AT221 NRG TENDL-2015, AKONING  
resonance absorption cross sections





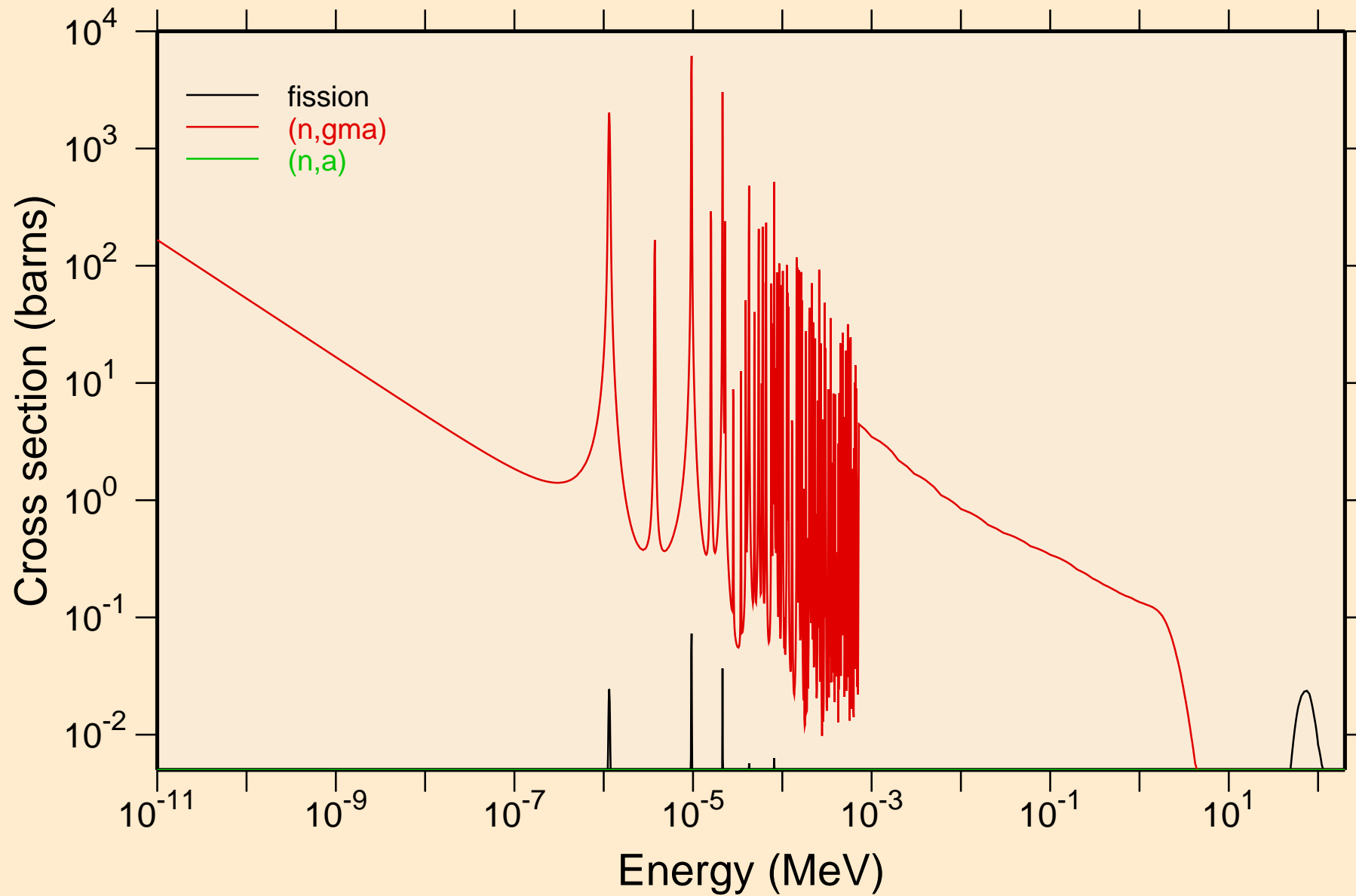
# AT221 NRG TENDL-2015, AKONING

## resonance absorption cross sections



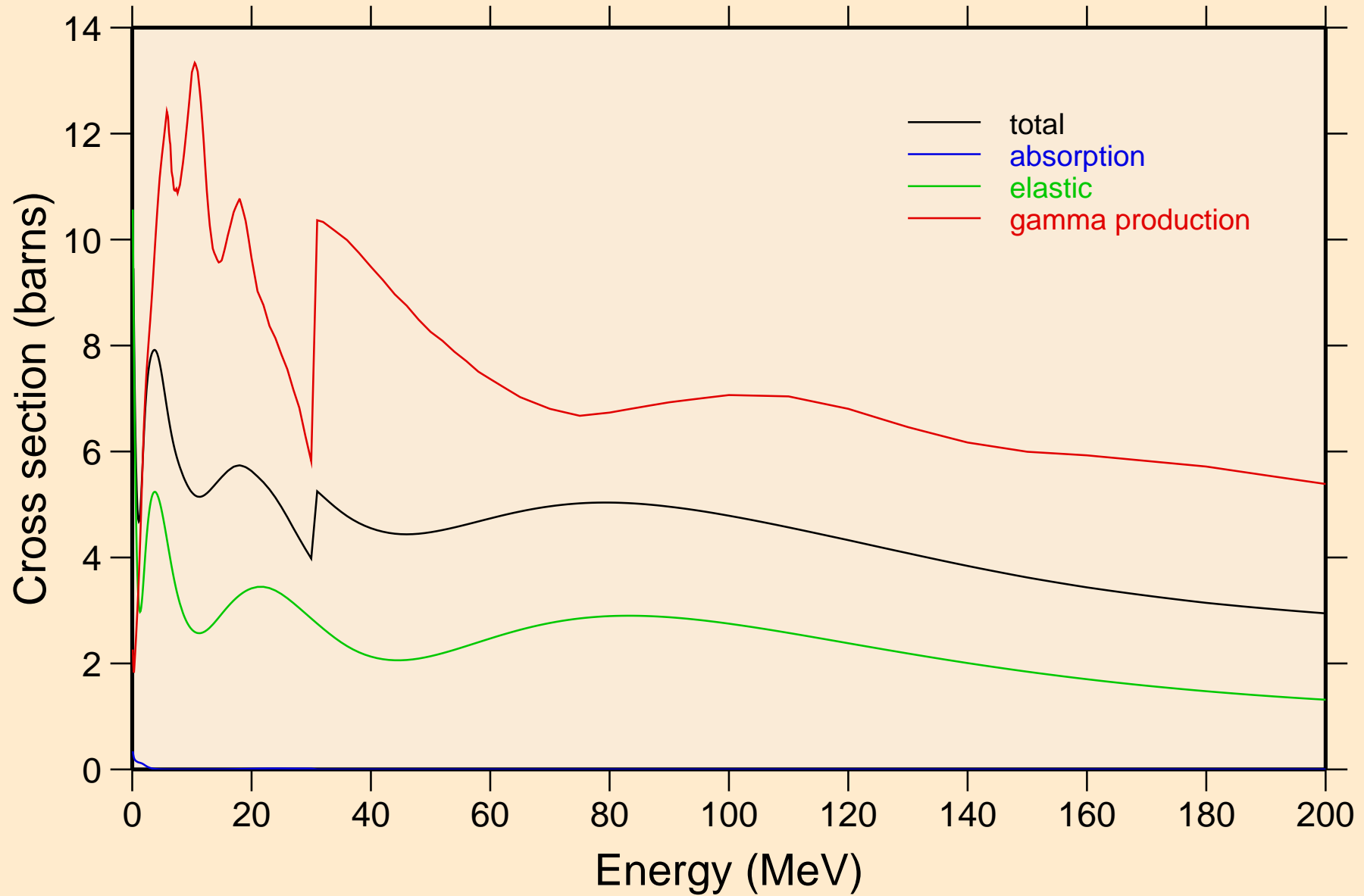
# AT221 NRG TENDL-2015, AKONING

## Non-threshold reactions



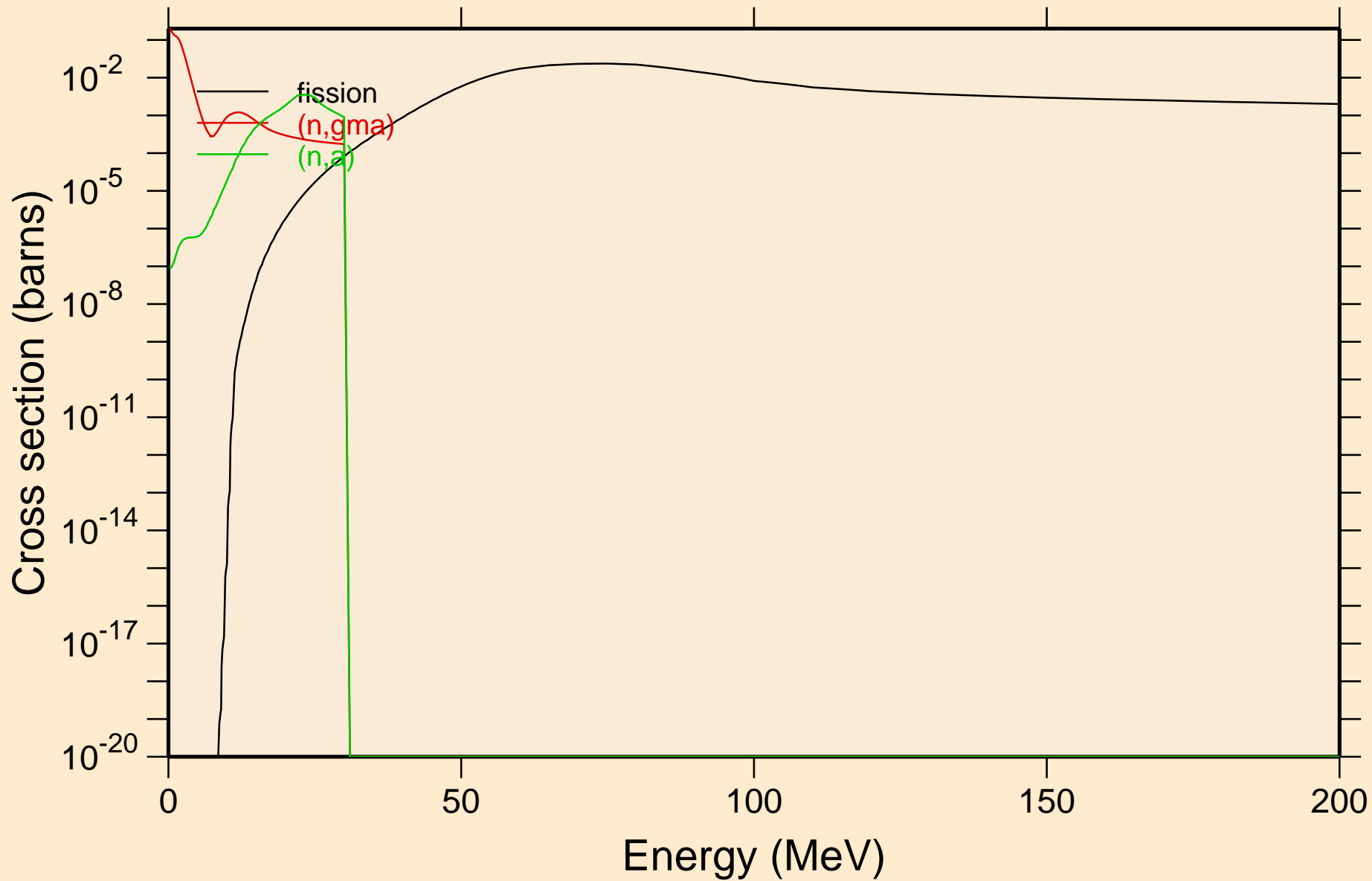
# AT221 NRG TENDL-2015, AKONING

## Principal cross sections

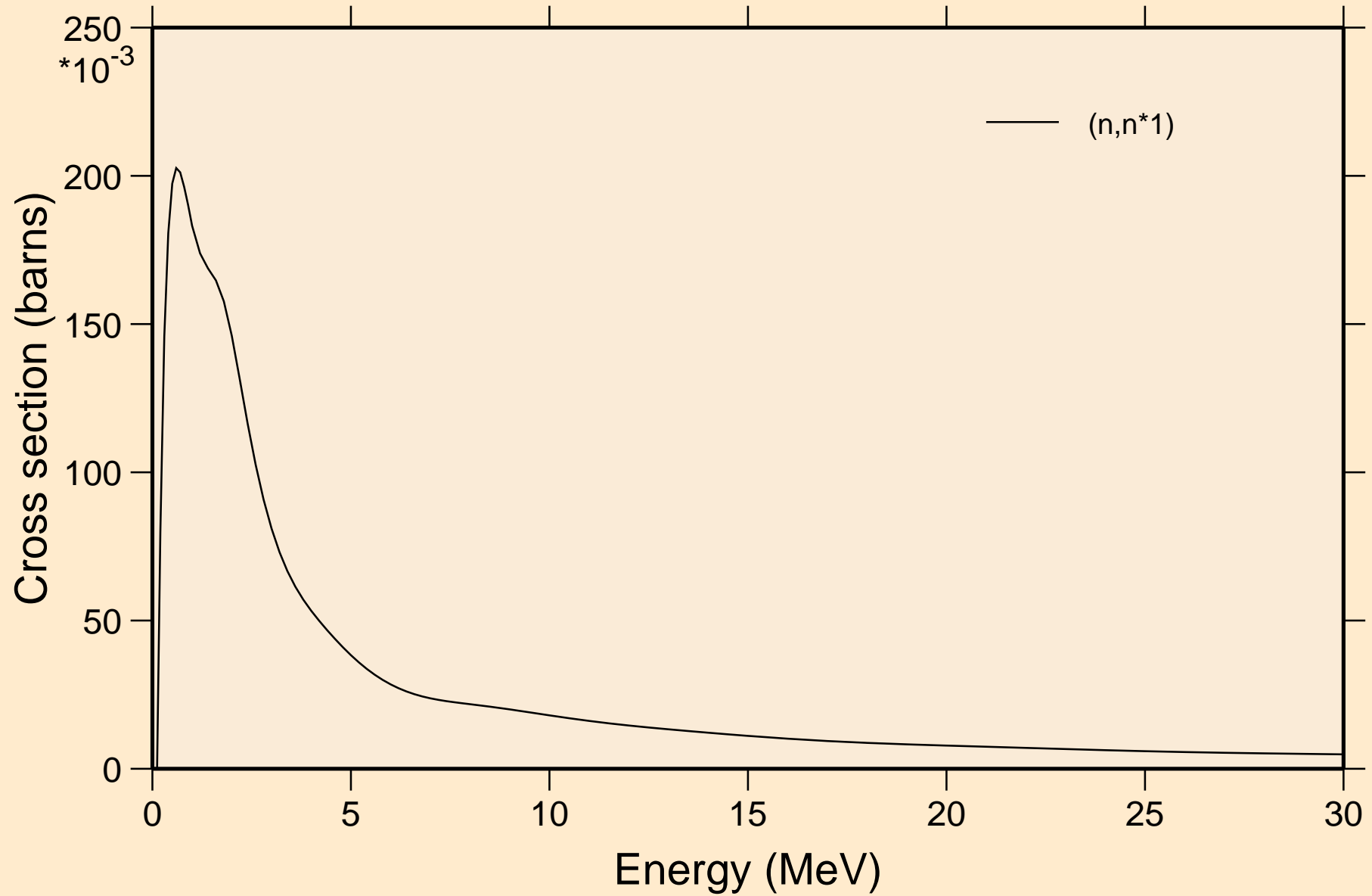


# AT221 NRG TENDL-2015, AKONING

## Non-threshold reactions

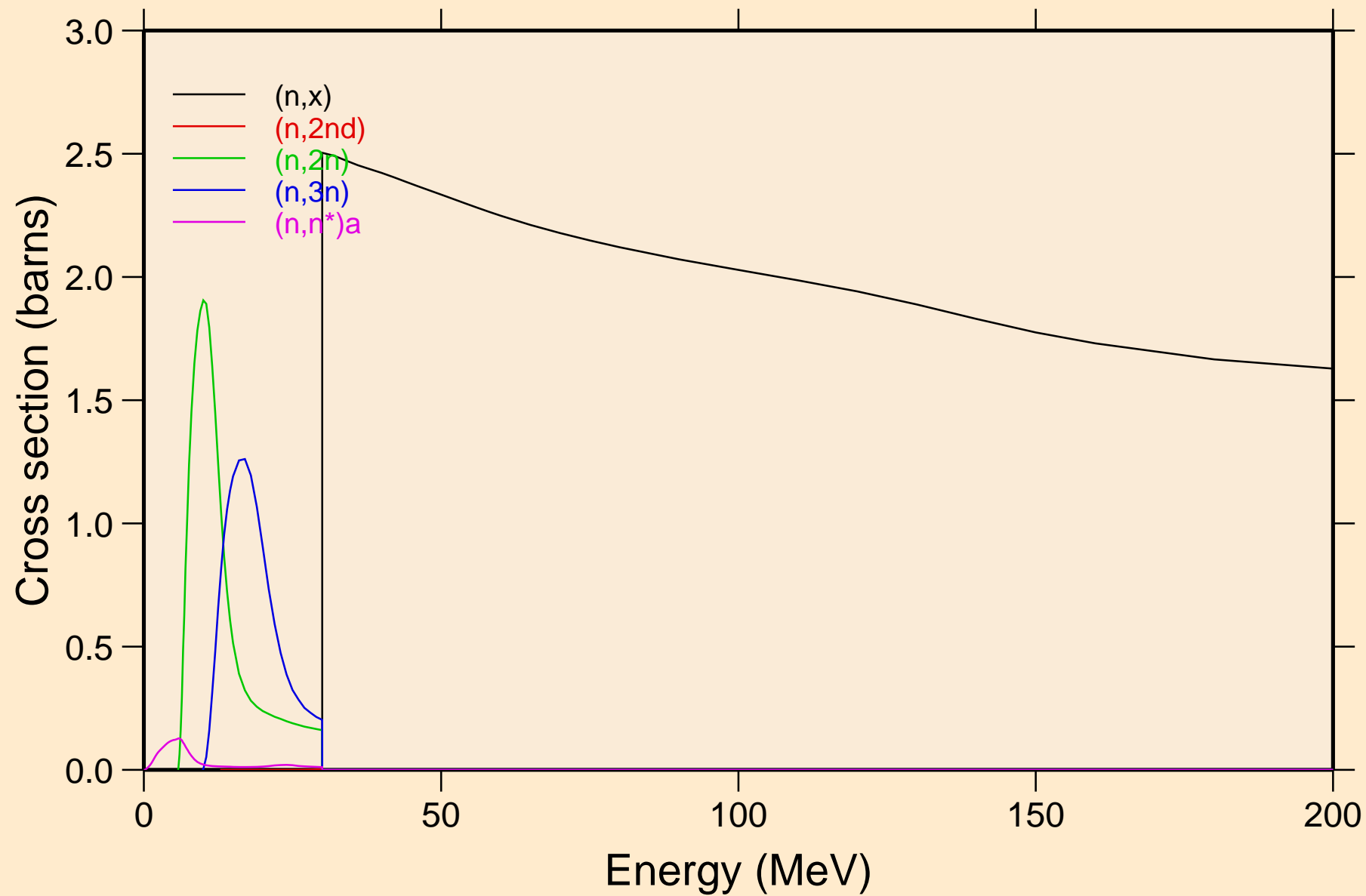


AT221 NRG TENDL-2015, AKONING  
Inelastic levels



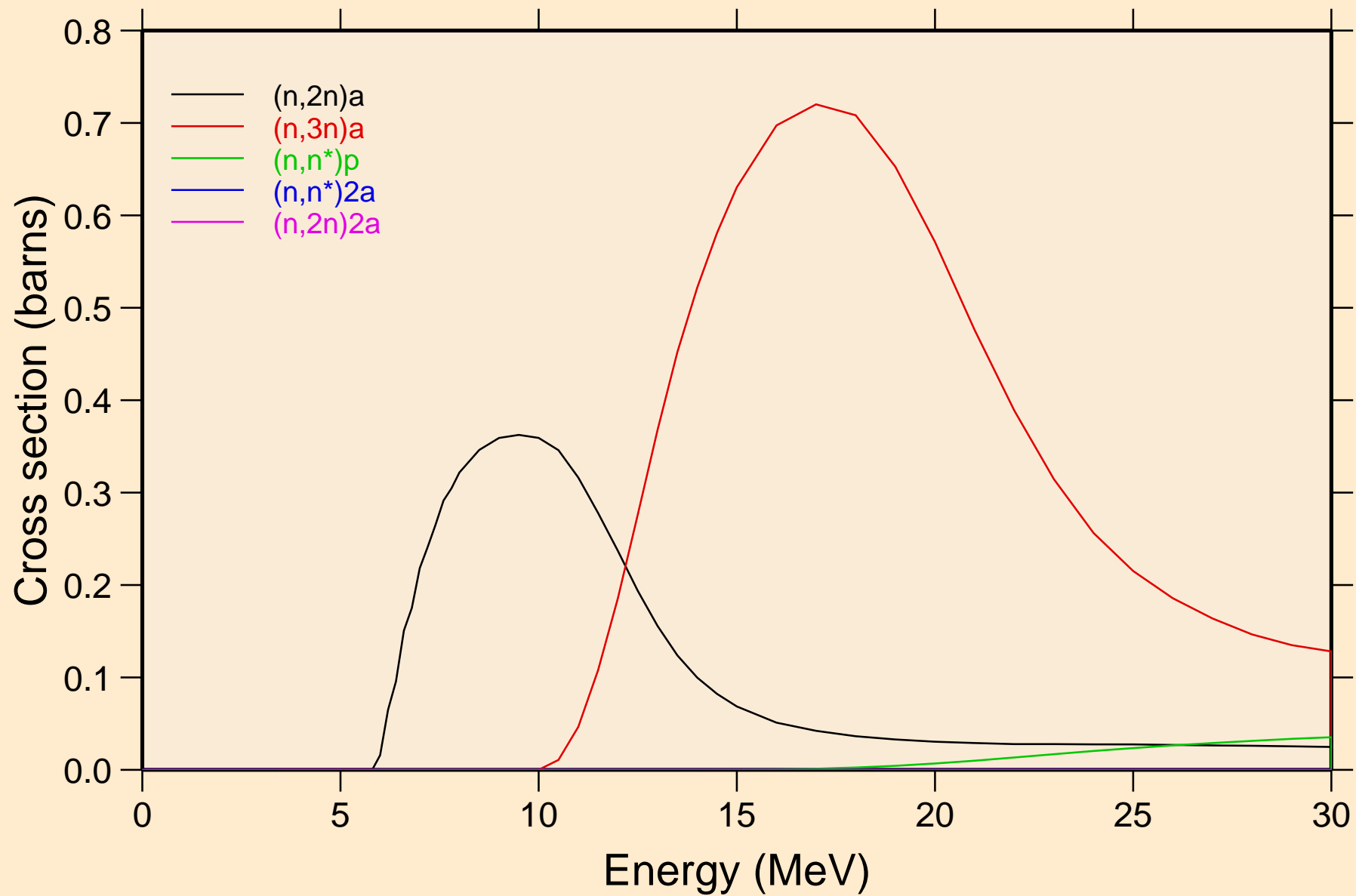
# AT221 NRG TENDL-2015, AKONING

## Threshold reactions



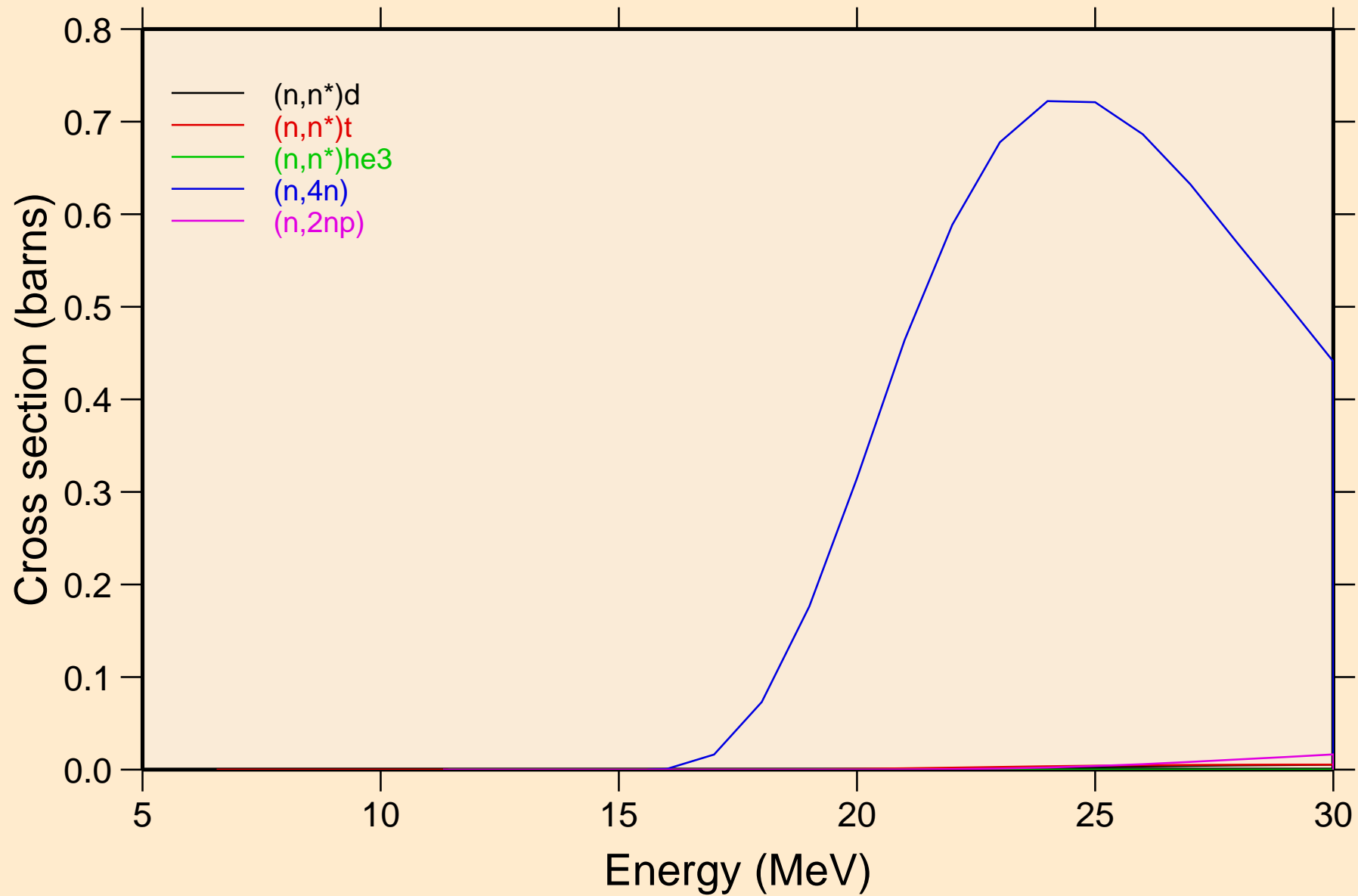
# AT221 NRG TENDL-2015, AKONING

## Threshold reactions



# AT221 NRG TENDL-2015, AKONING

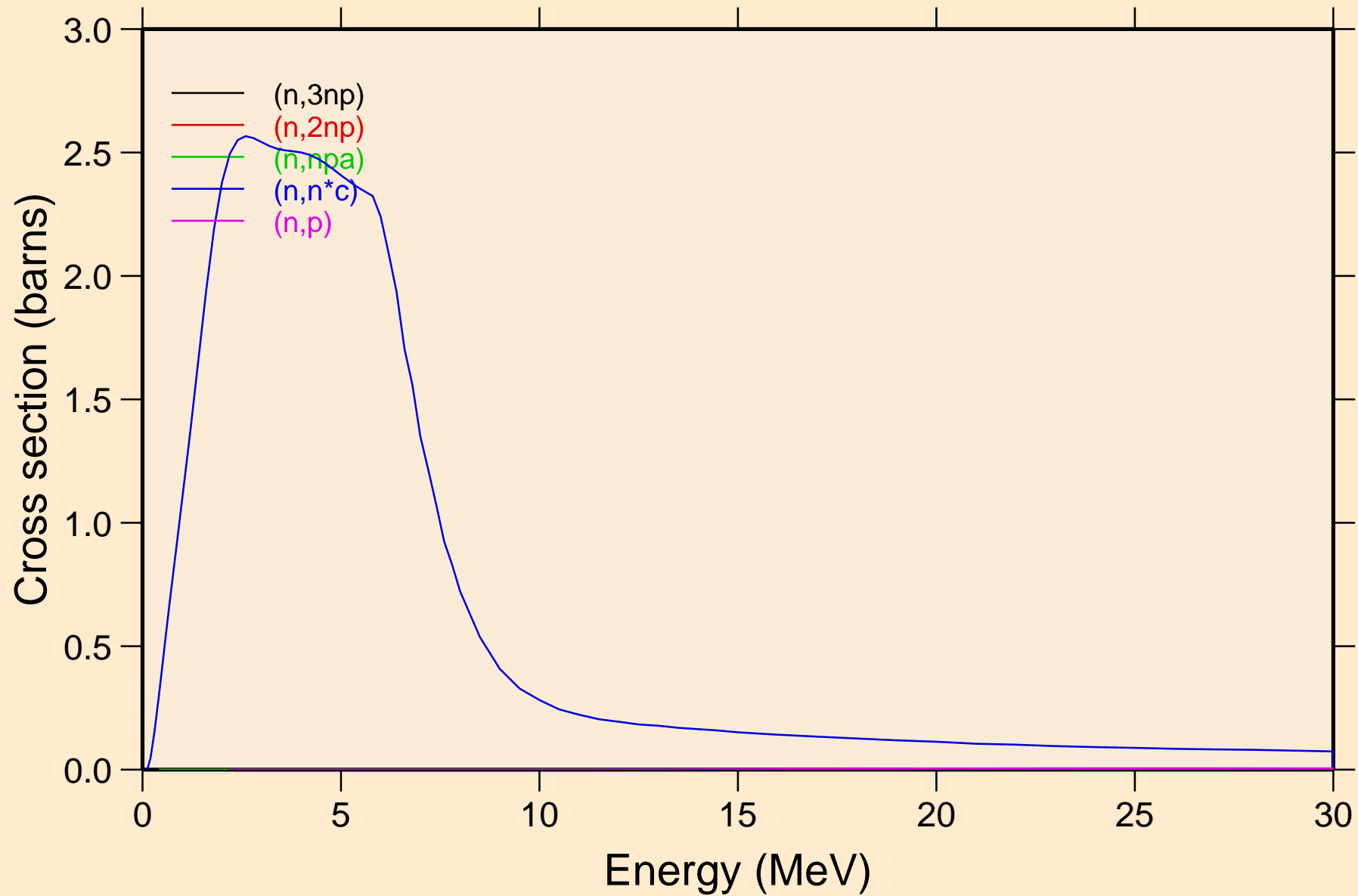
## Threshold reactions





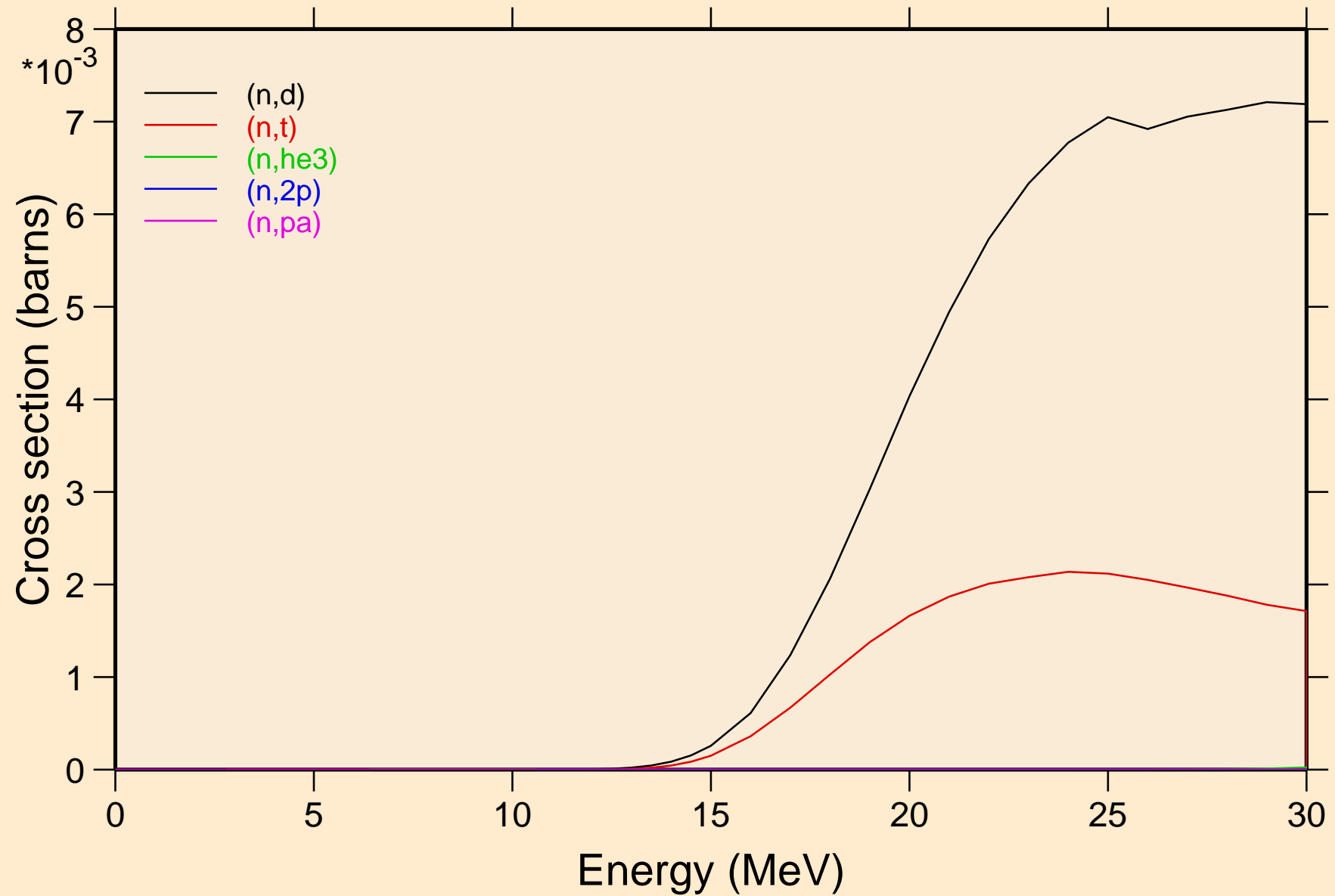
# AT221 NRG TENDL-2015, AKONING

## Threshold reactions



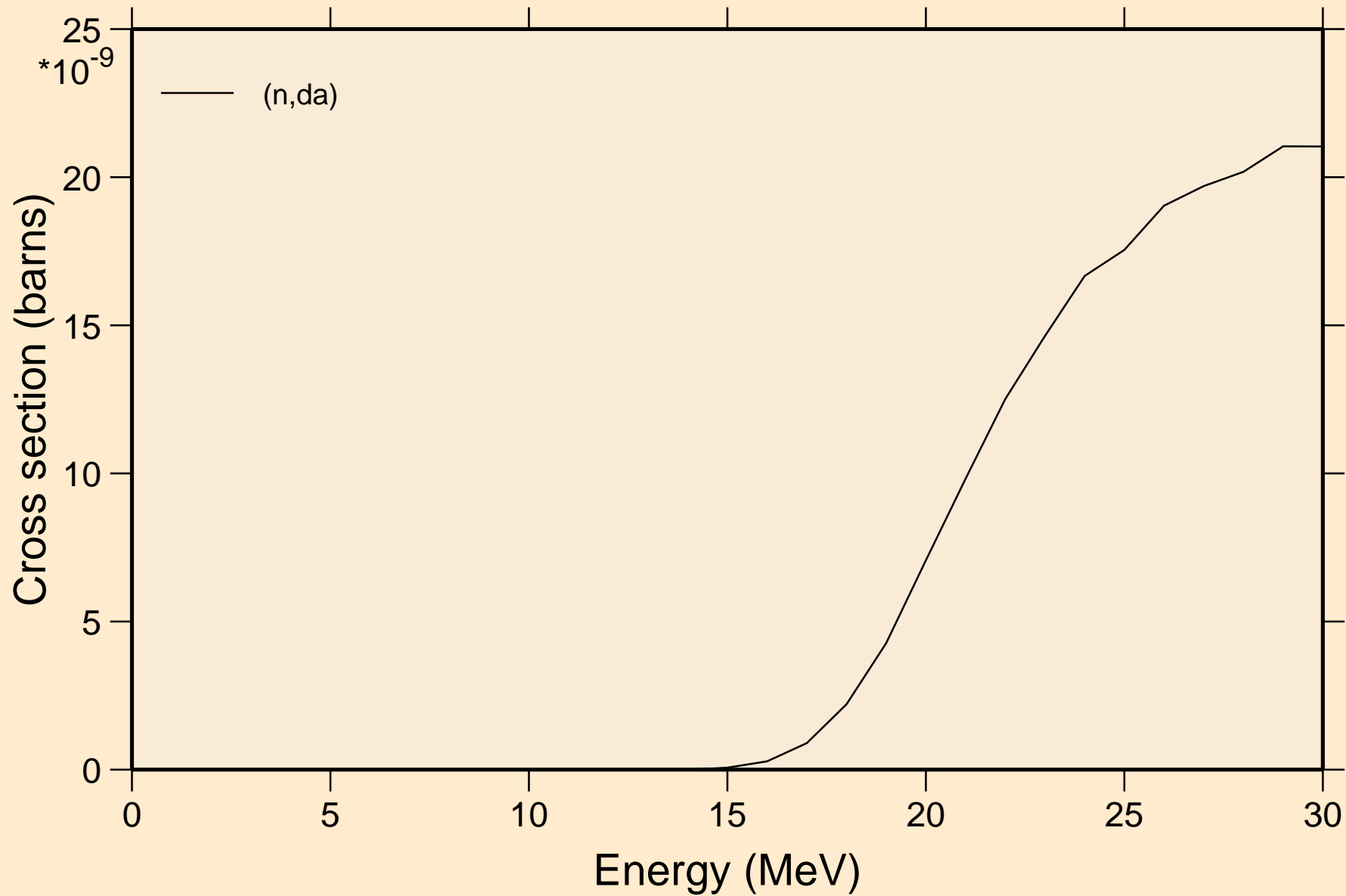
# AT221 NRG TENDL-2015, AKONING

## Threshold reactions

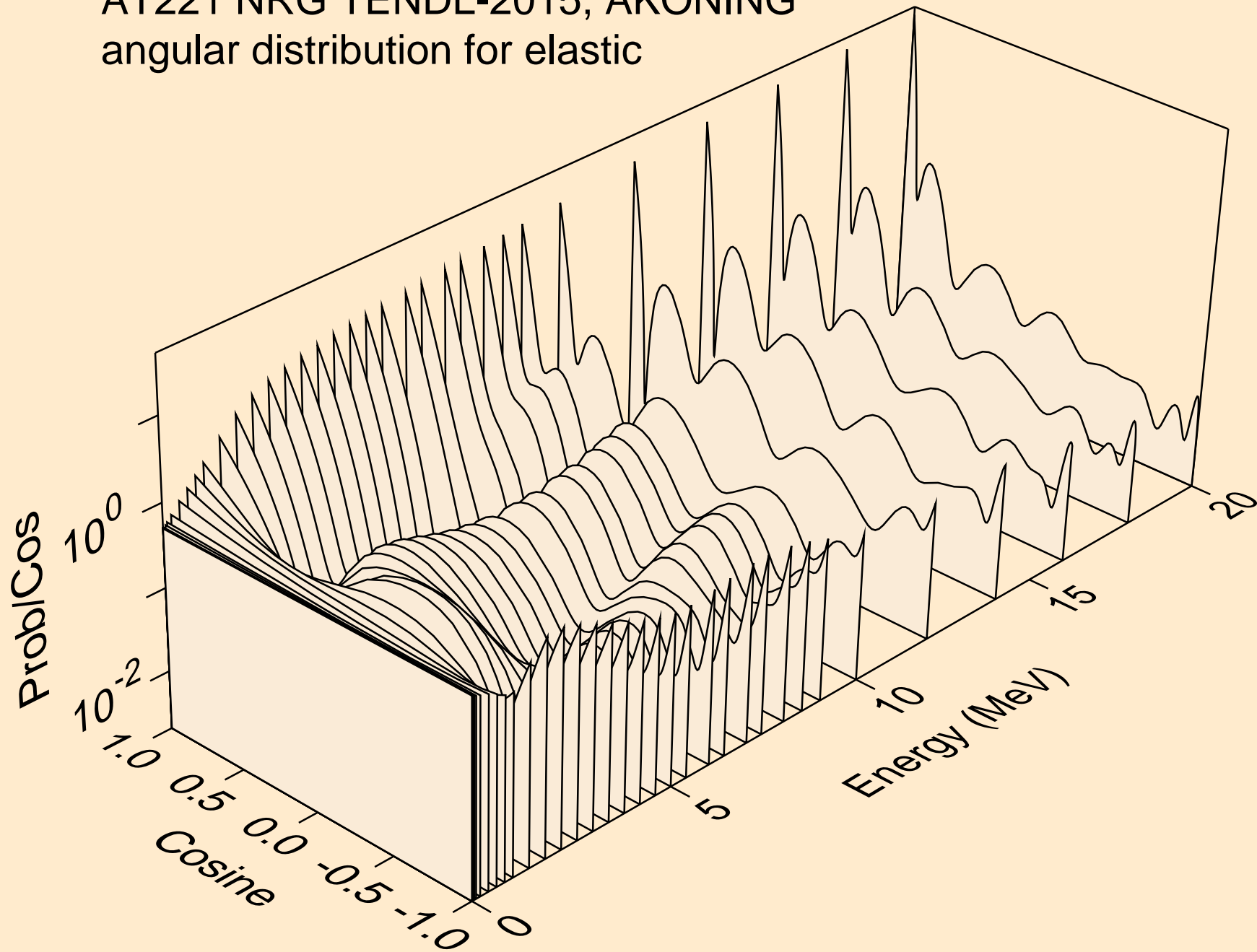


# AT221 NRG TENDL-2015, AKONING

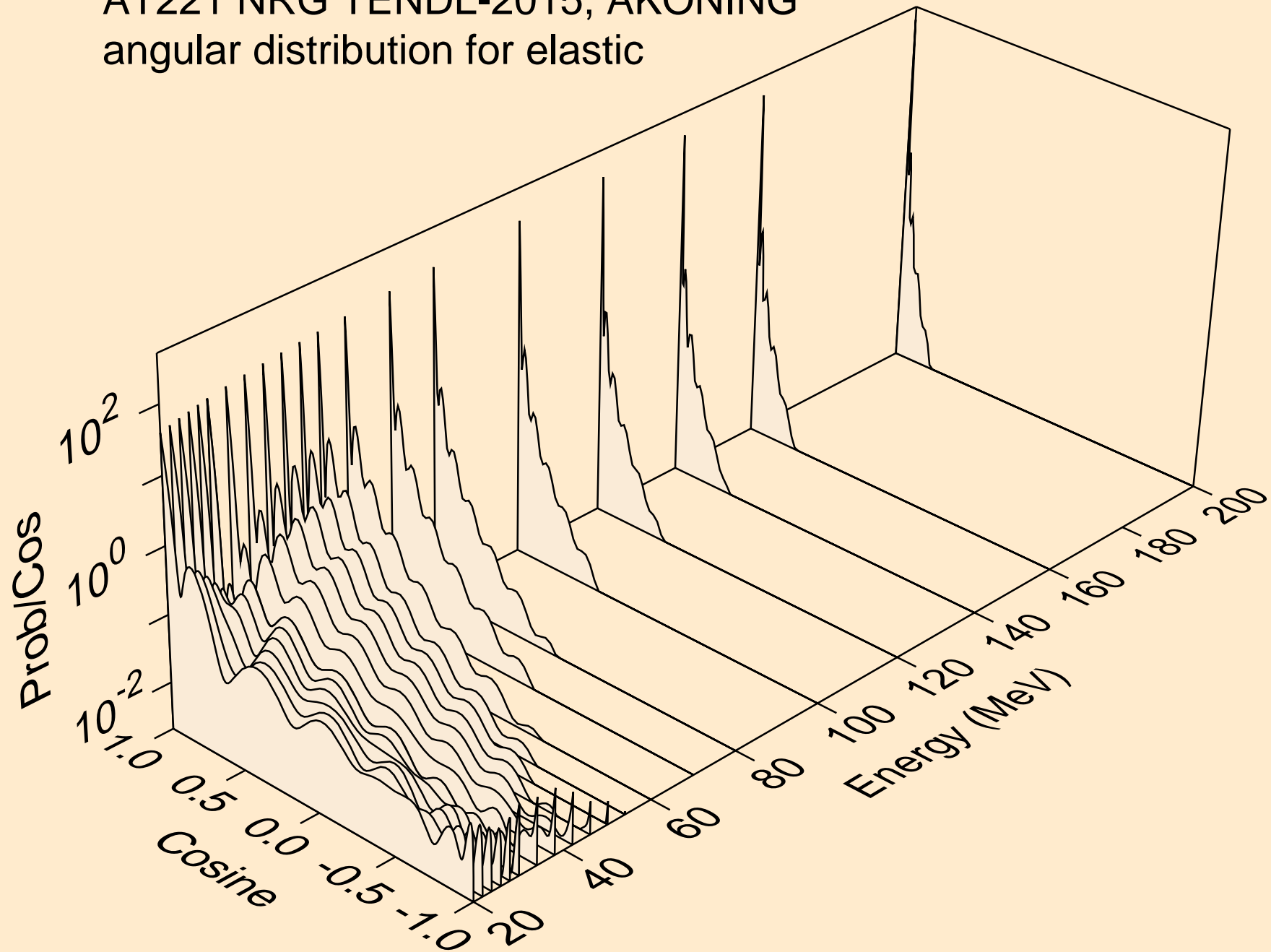
## Threshold reactions



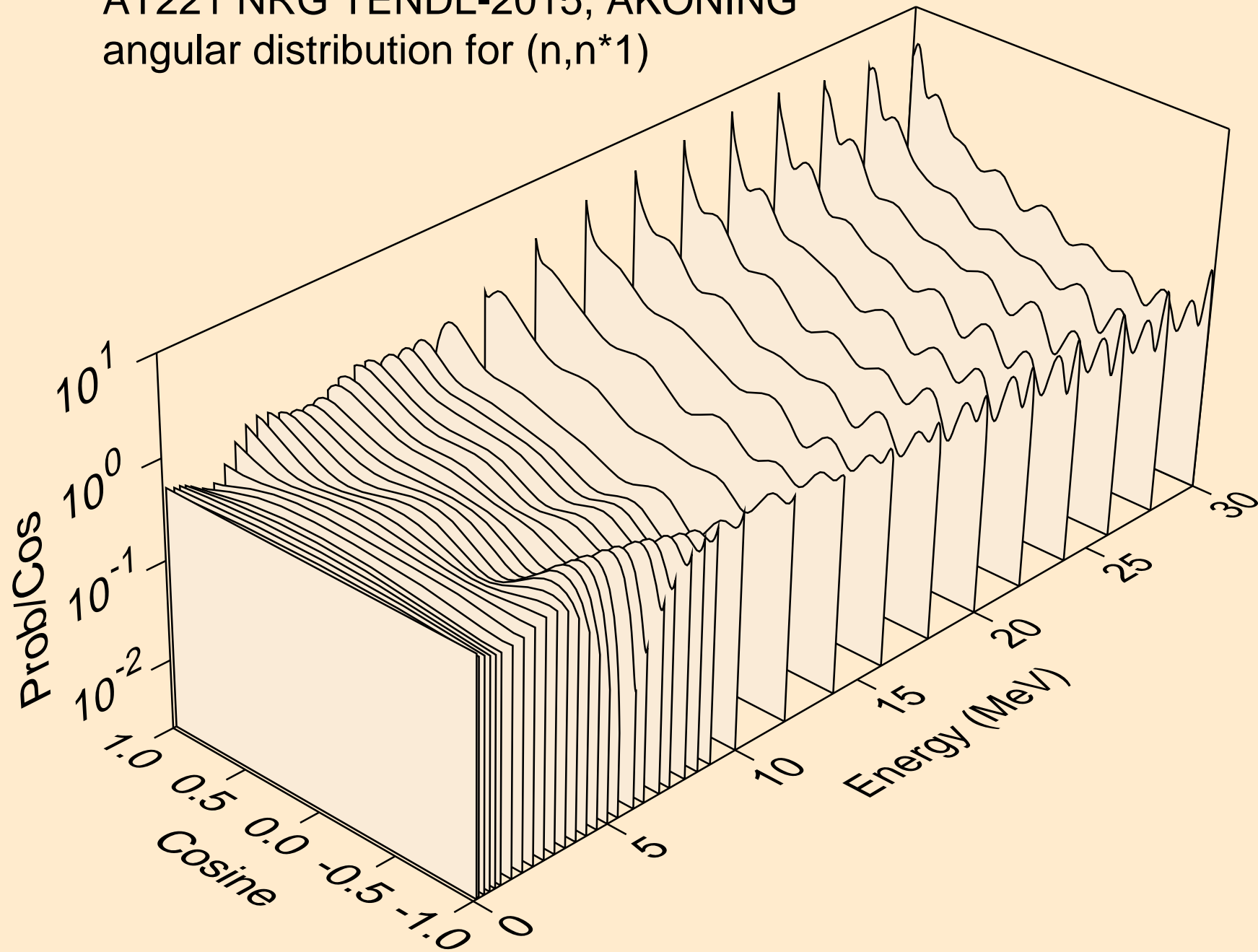
AT221 NRG TENDL-2015, AKONING  
angular distribution for elastic



AT221 NRG TENDL-2015, AKONING  
angular distribution for elastic

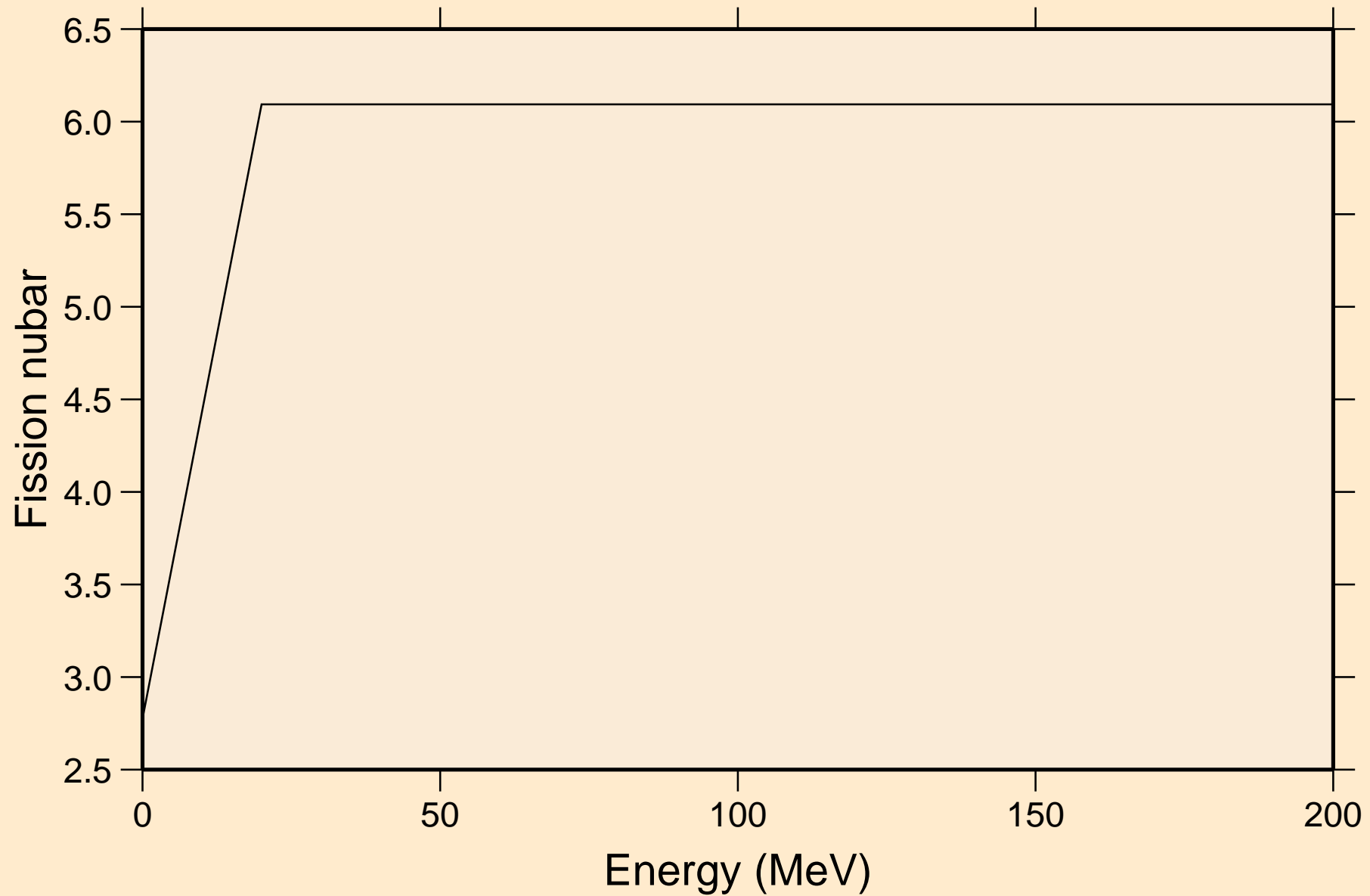


AT221 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)

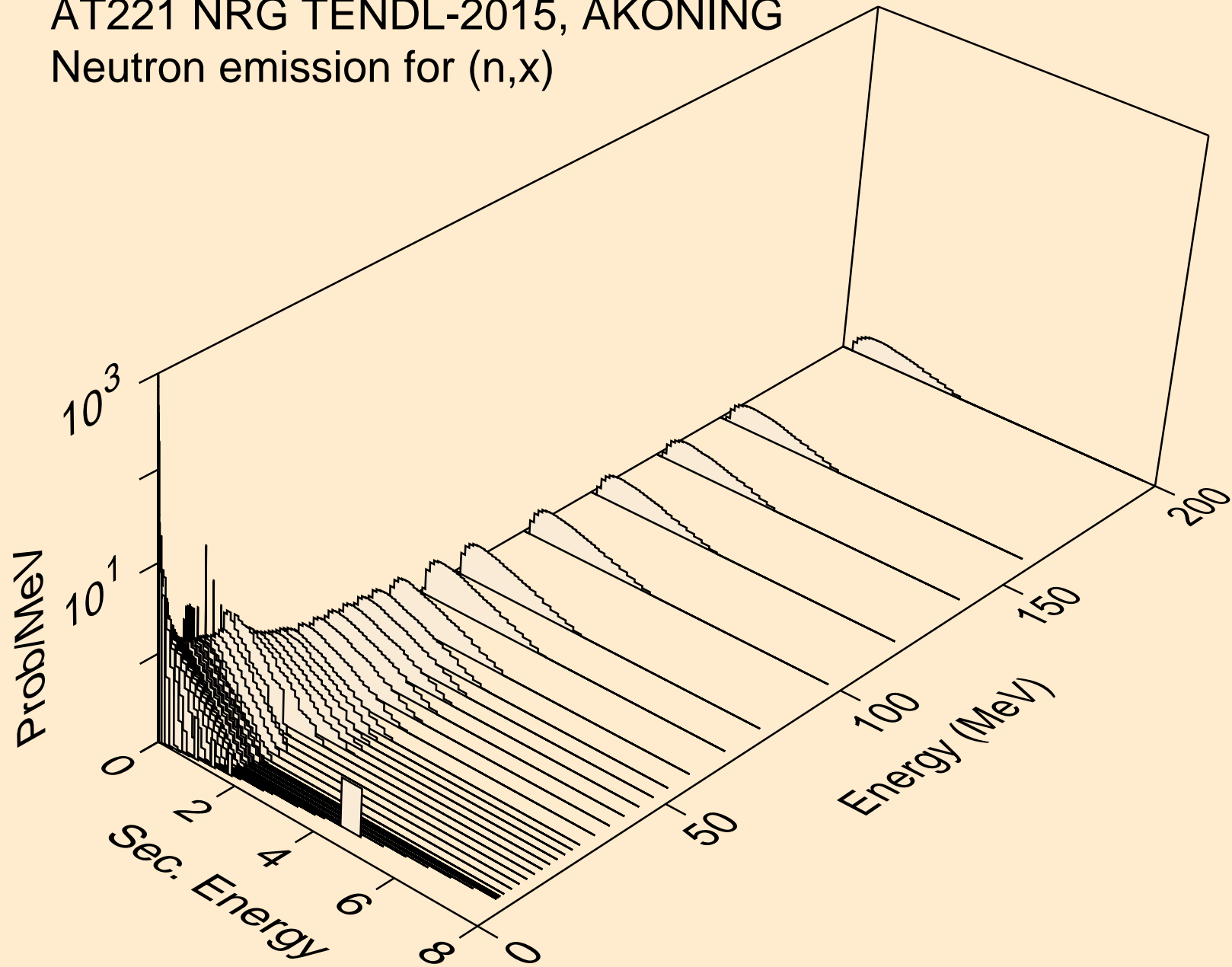


# AT221 NRG TENDL-2015, AKONING

## Total fission nubar

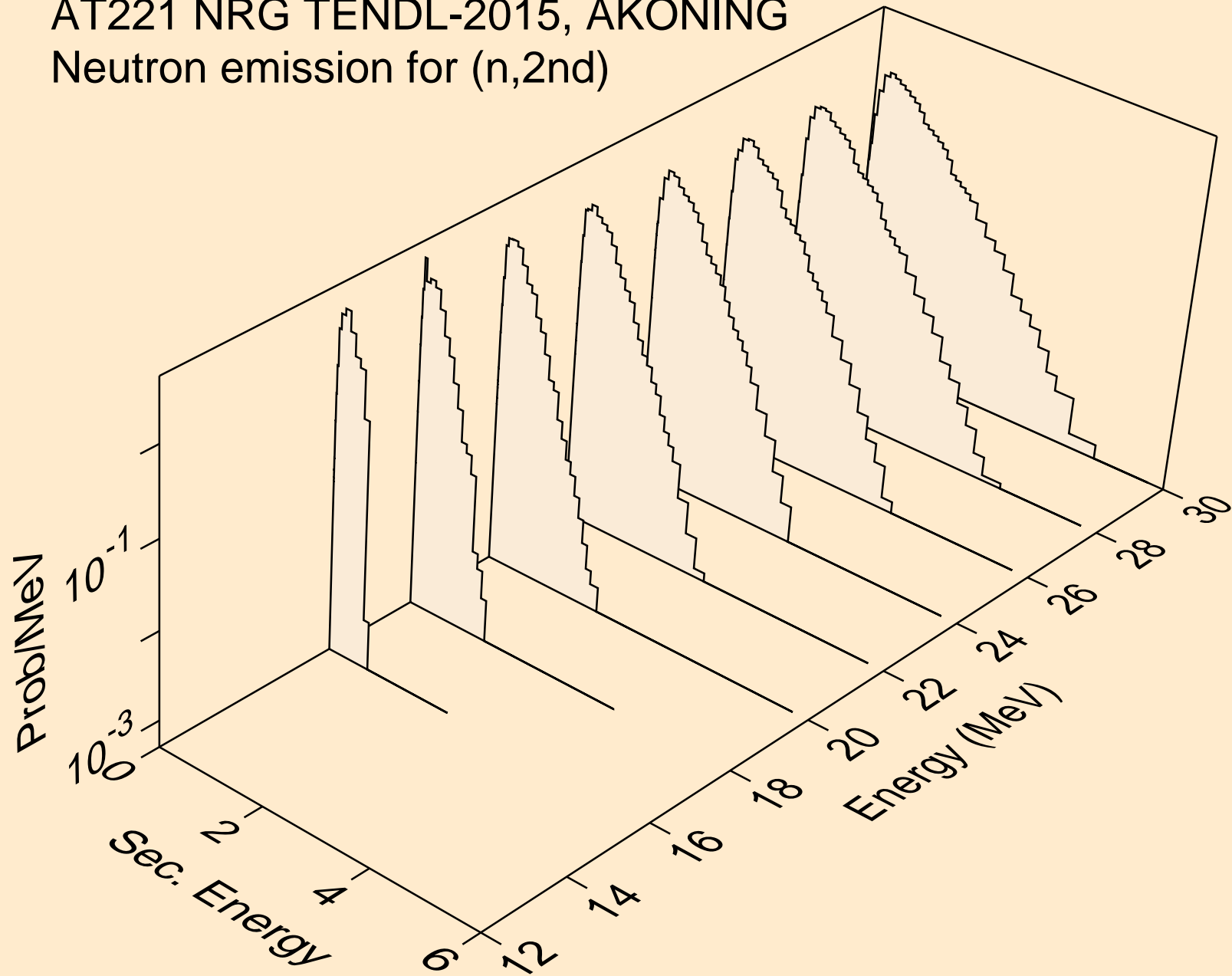


AT221 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)

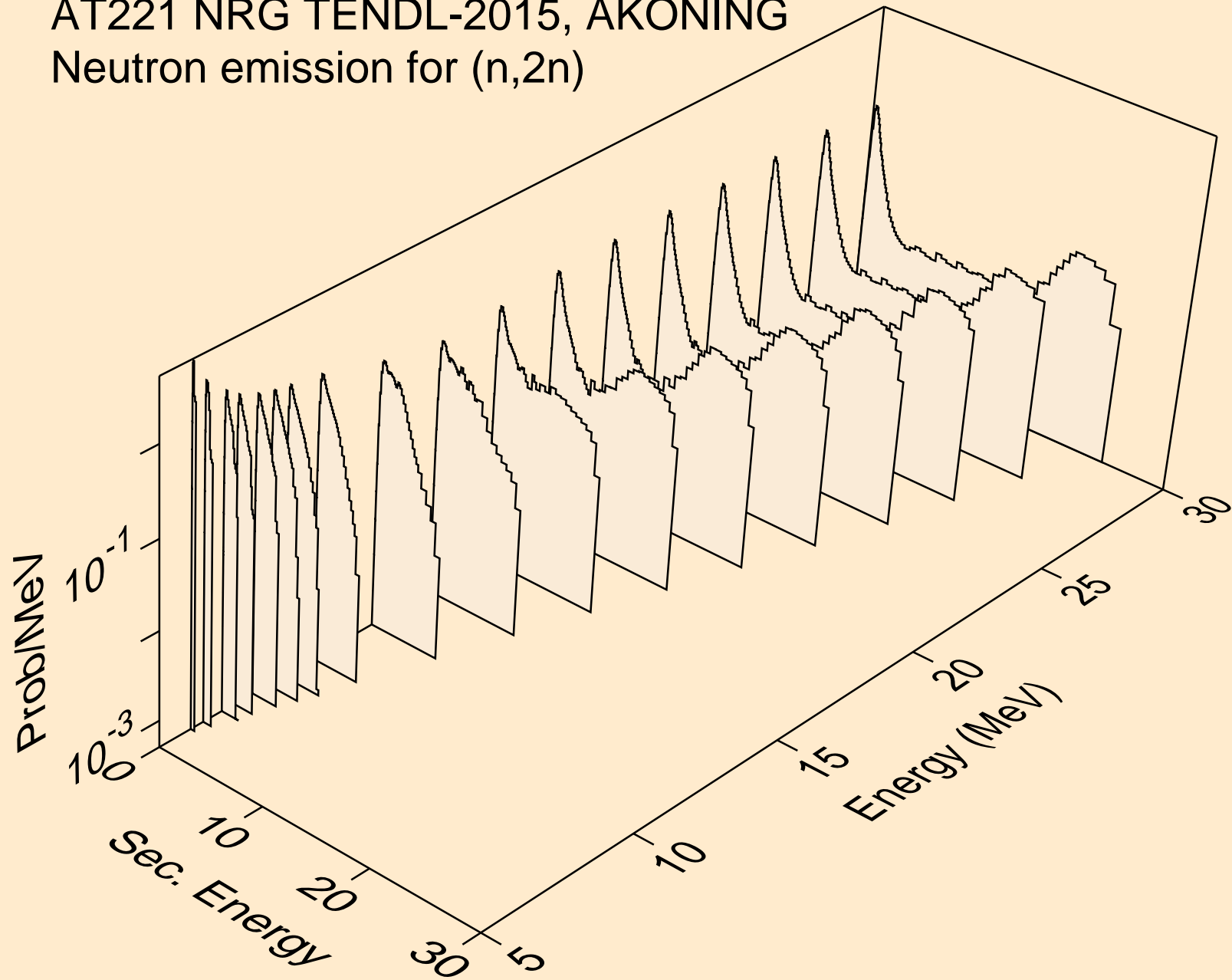




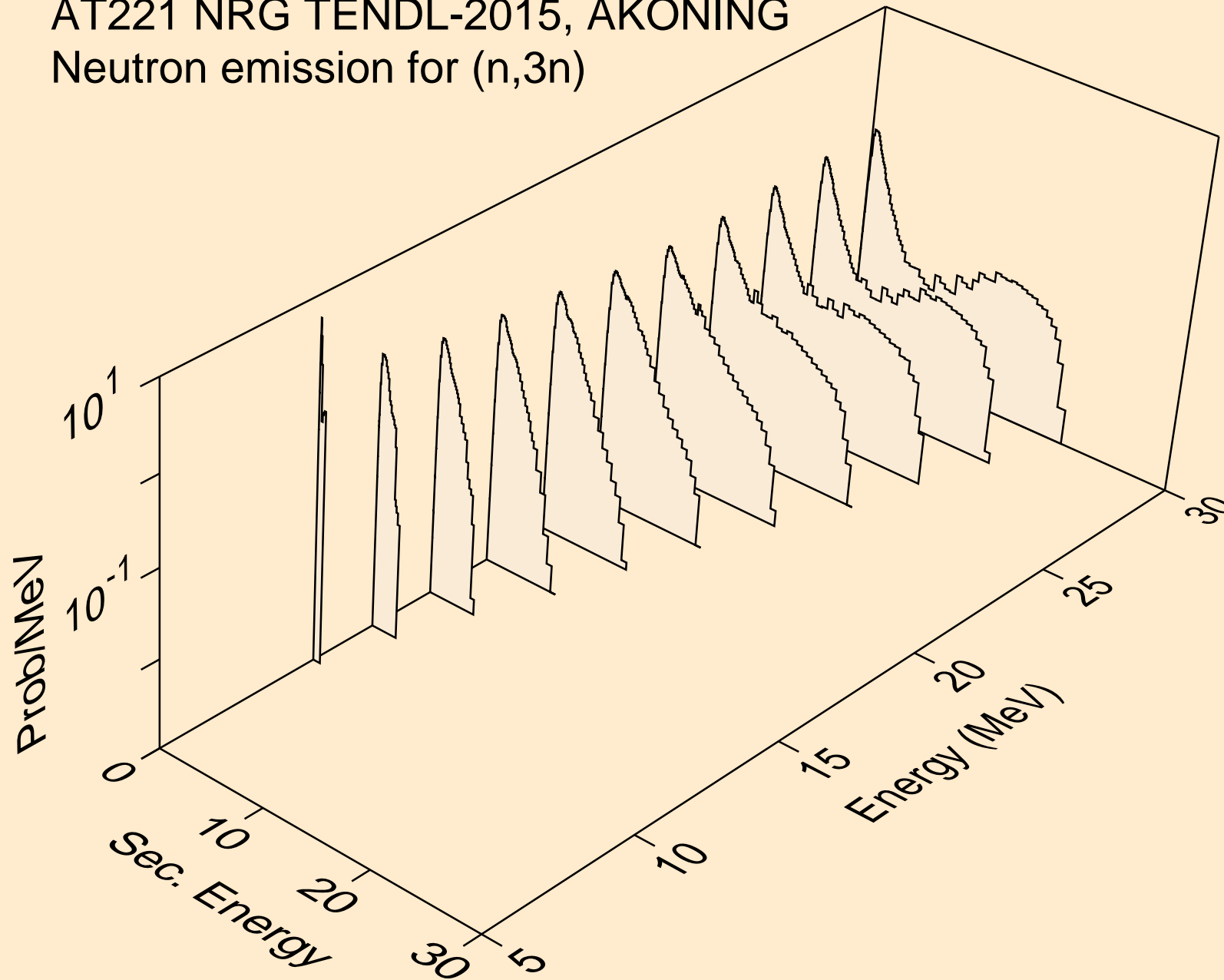
AT221 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



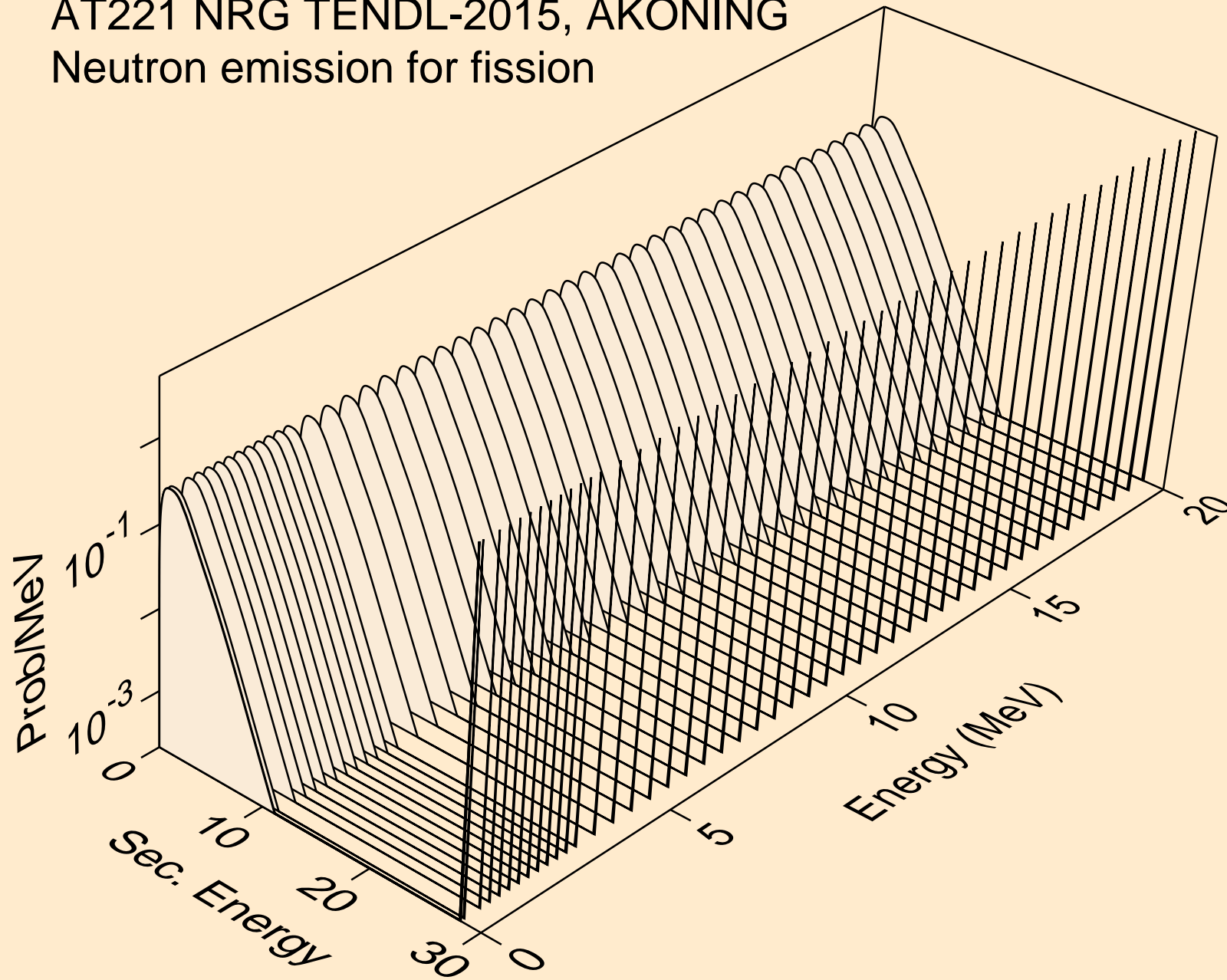
AT221 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



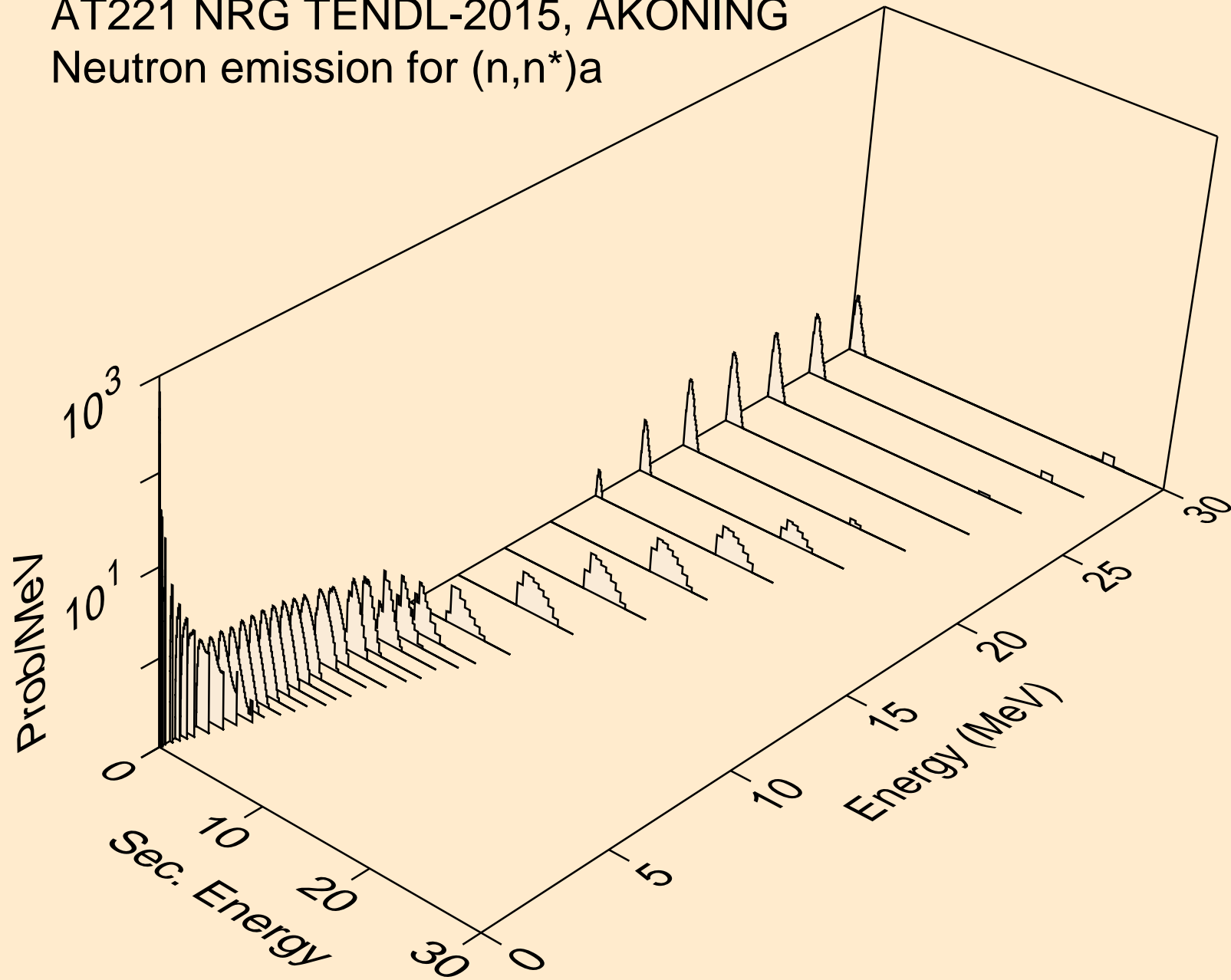
AT221 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



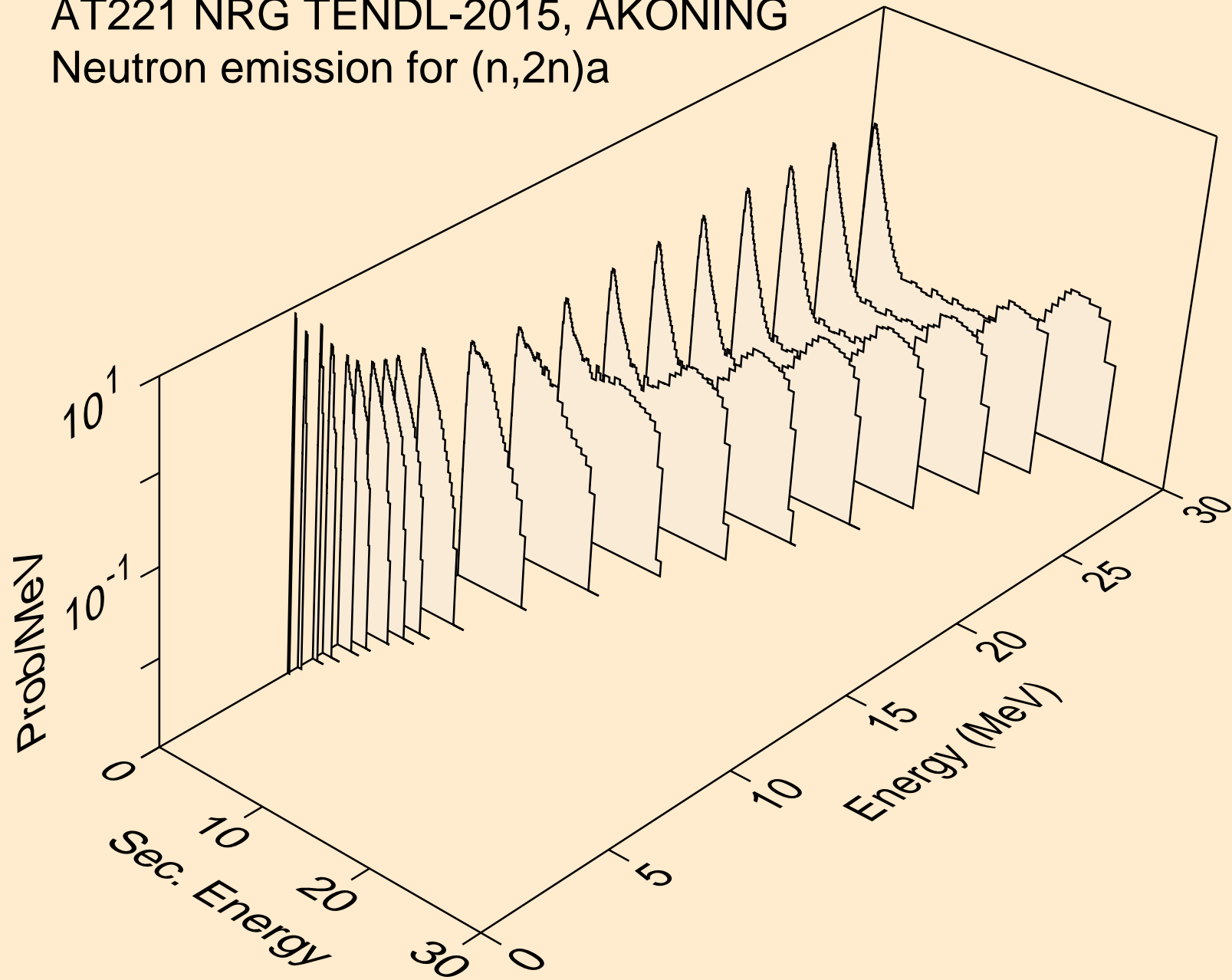
AT221 NRG TENDL-2015, AKONING  
Neutron emission for fission



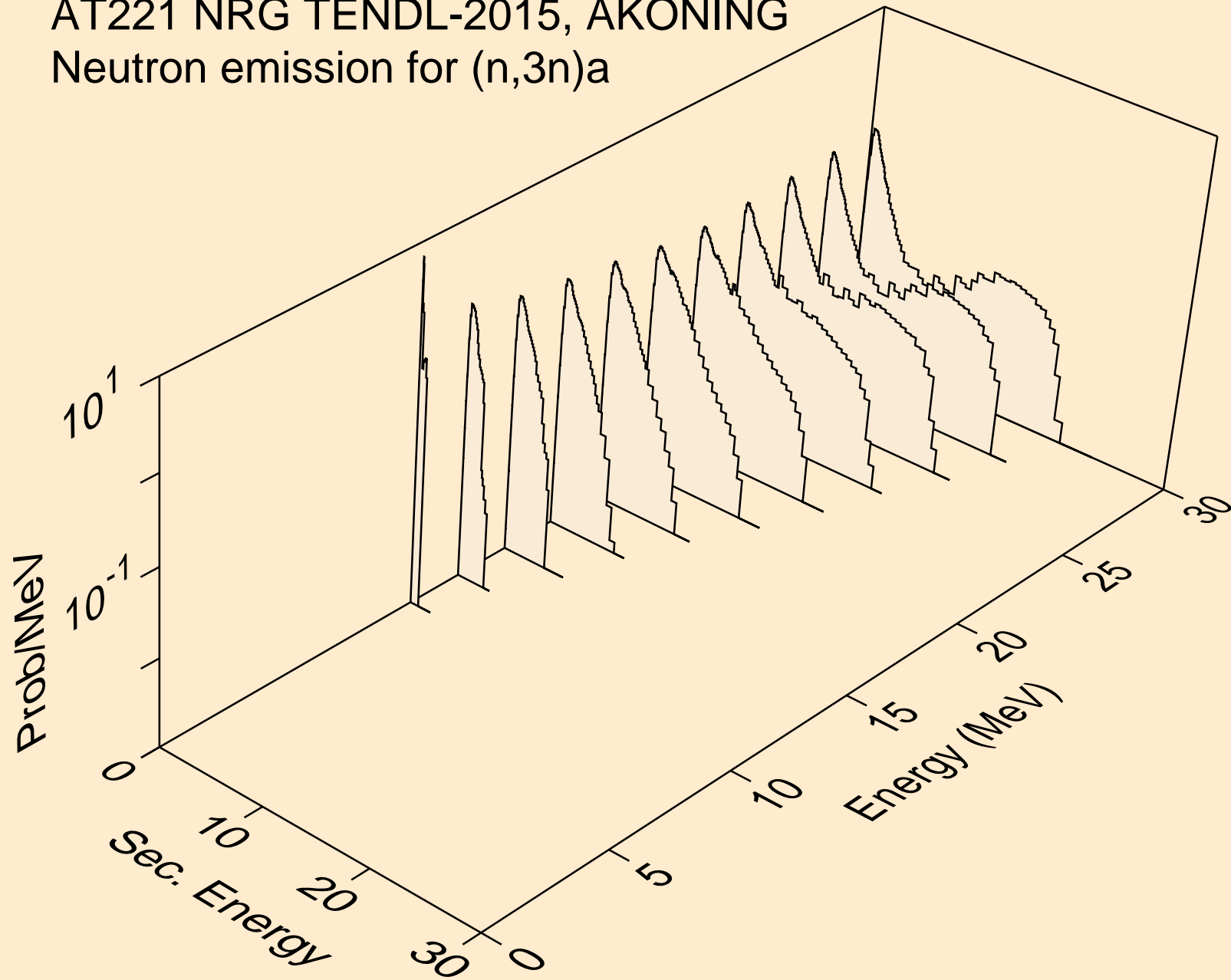
AT221 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



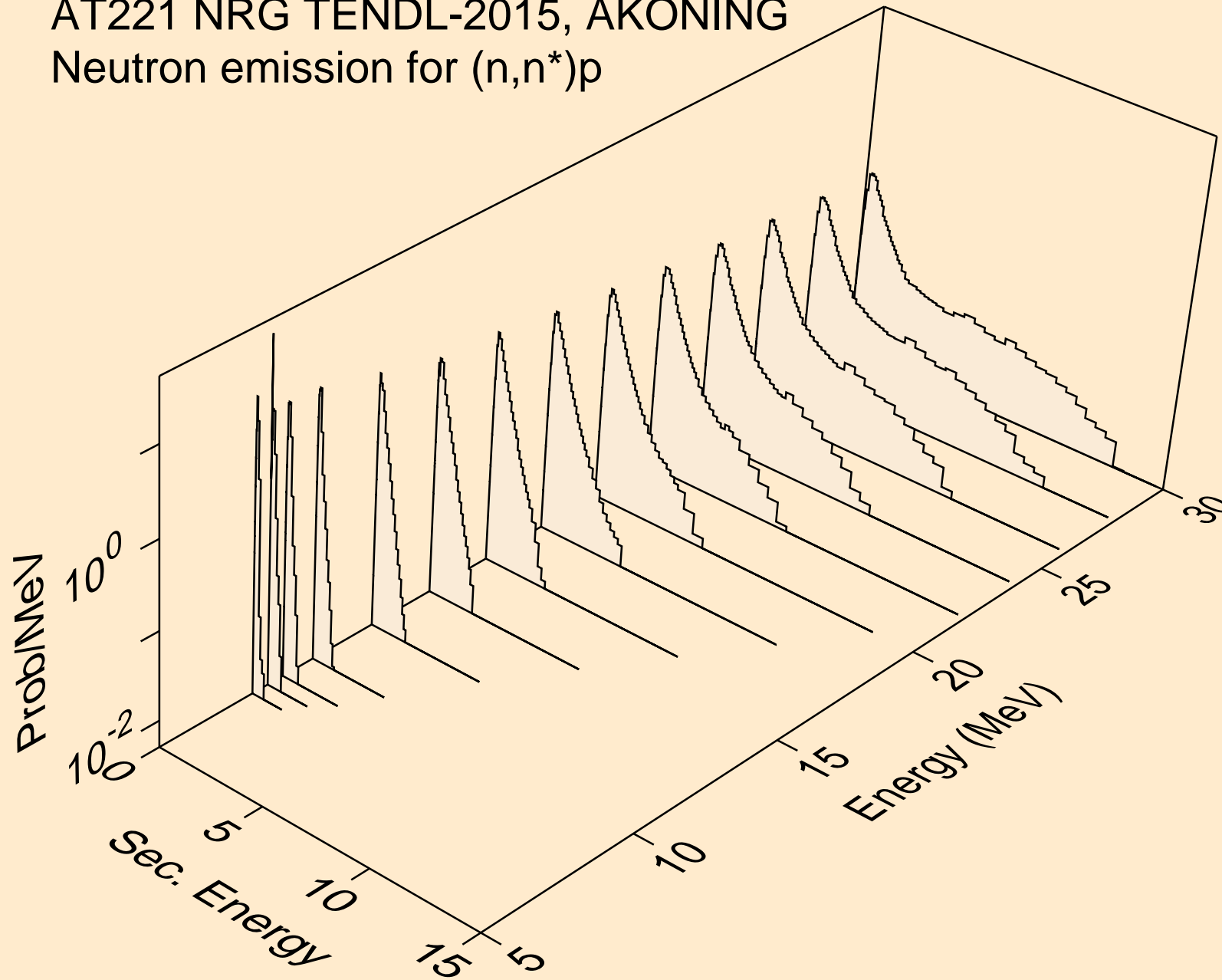
AT221 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



AT221 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a

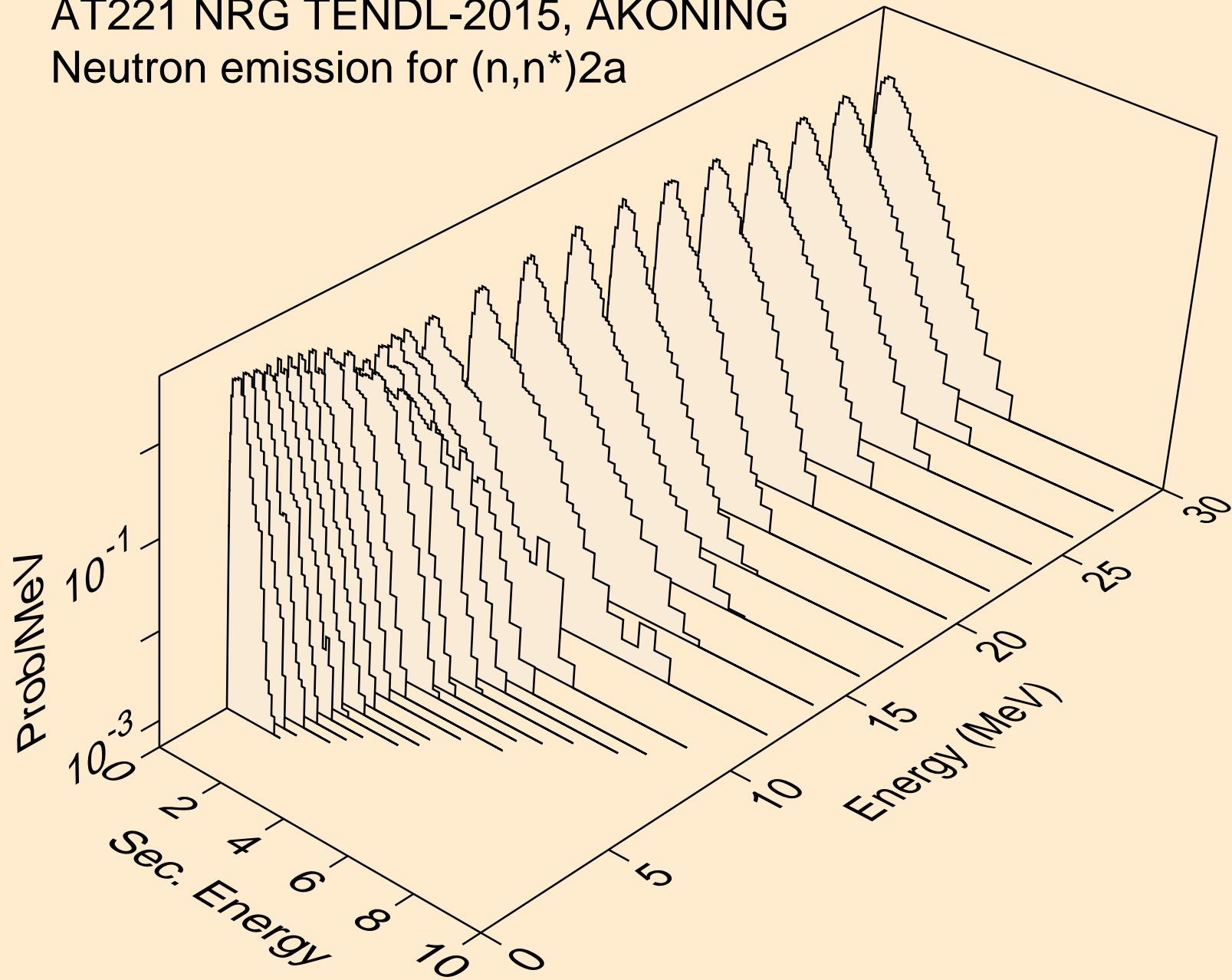


AT221 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p

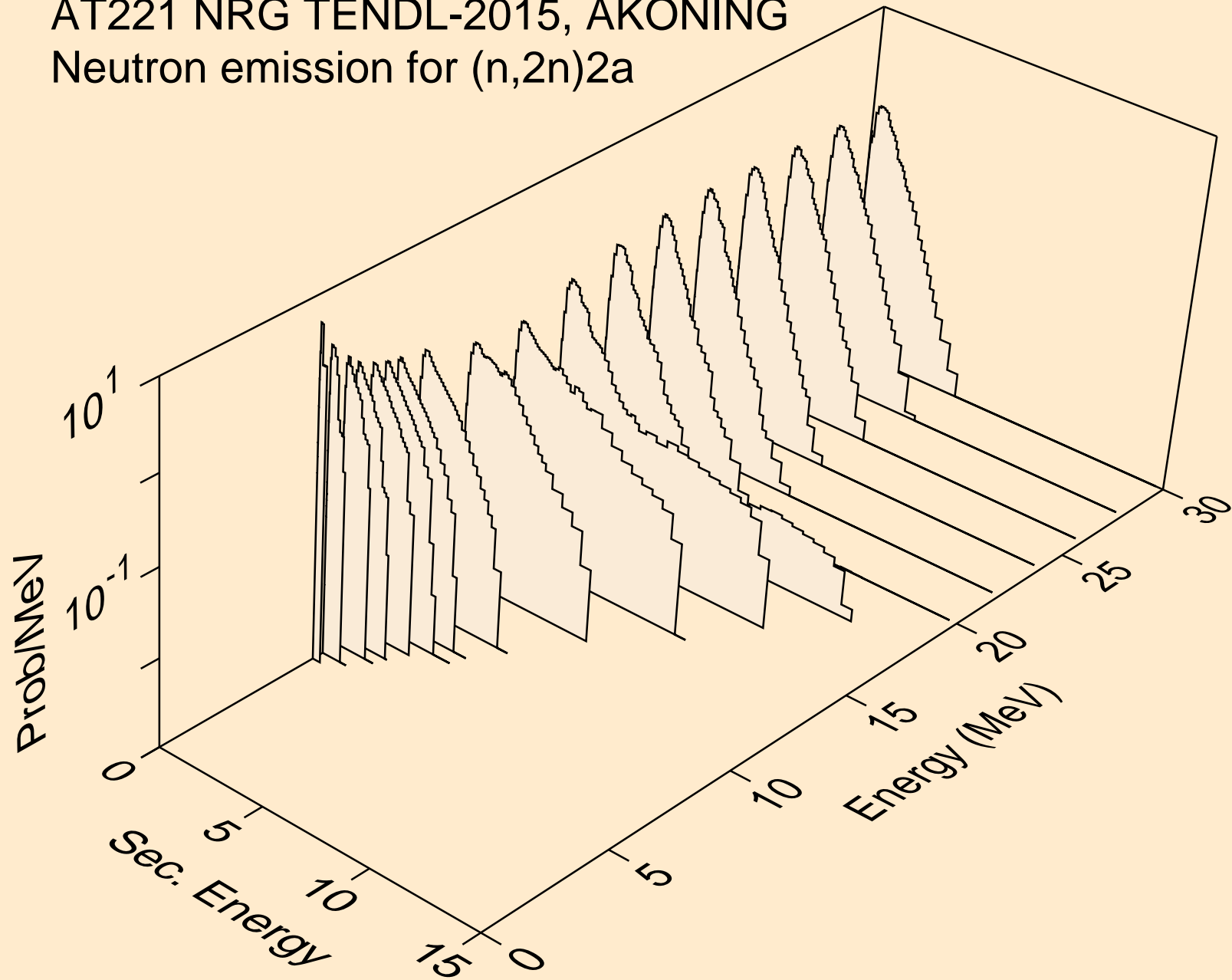




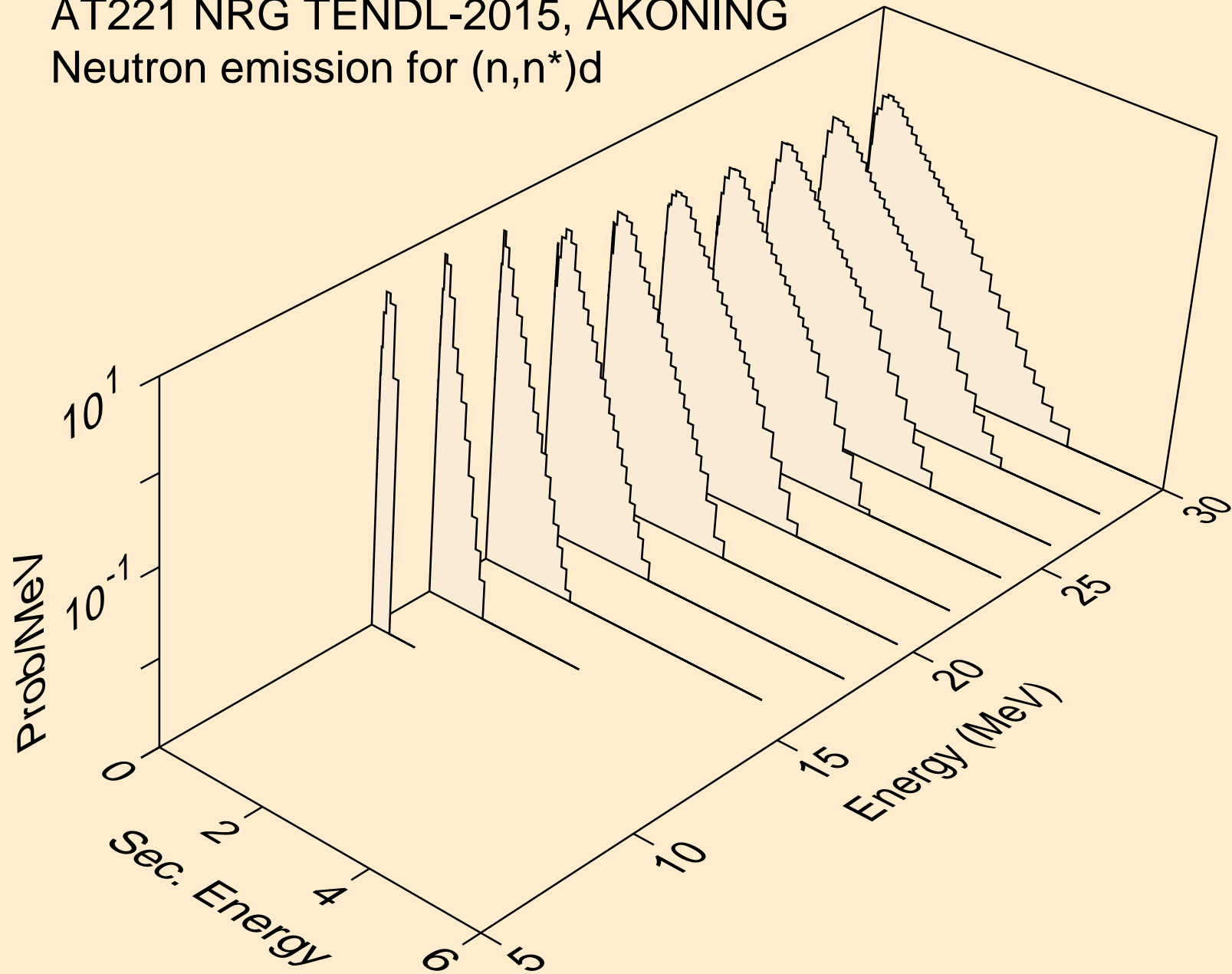
AT221 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



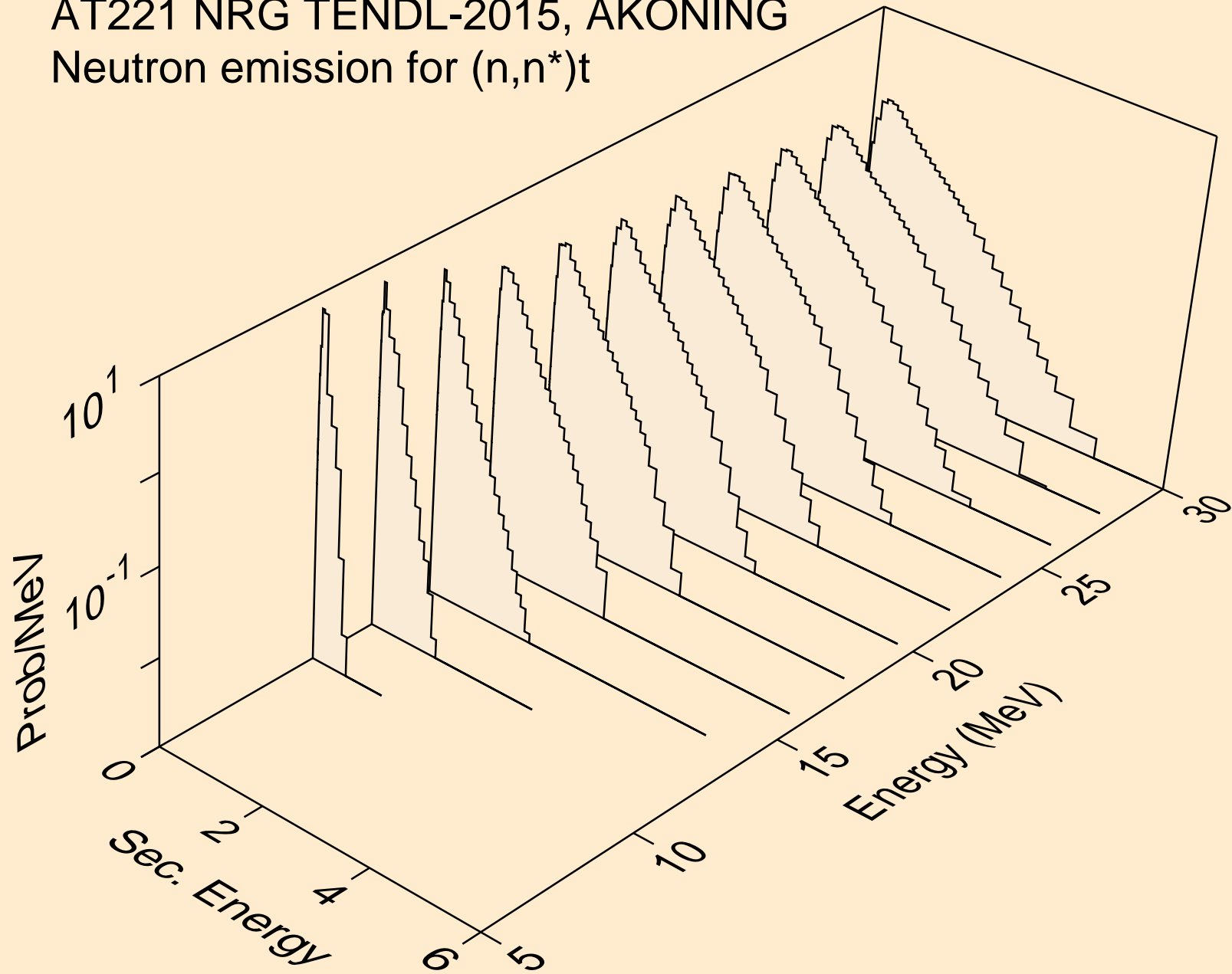
AT221 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)2a



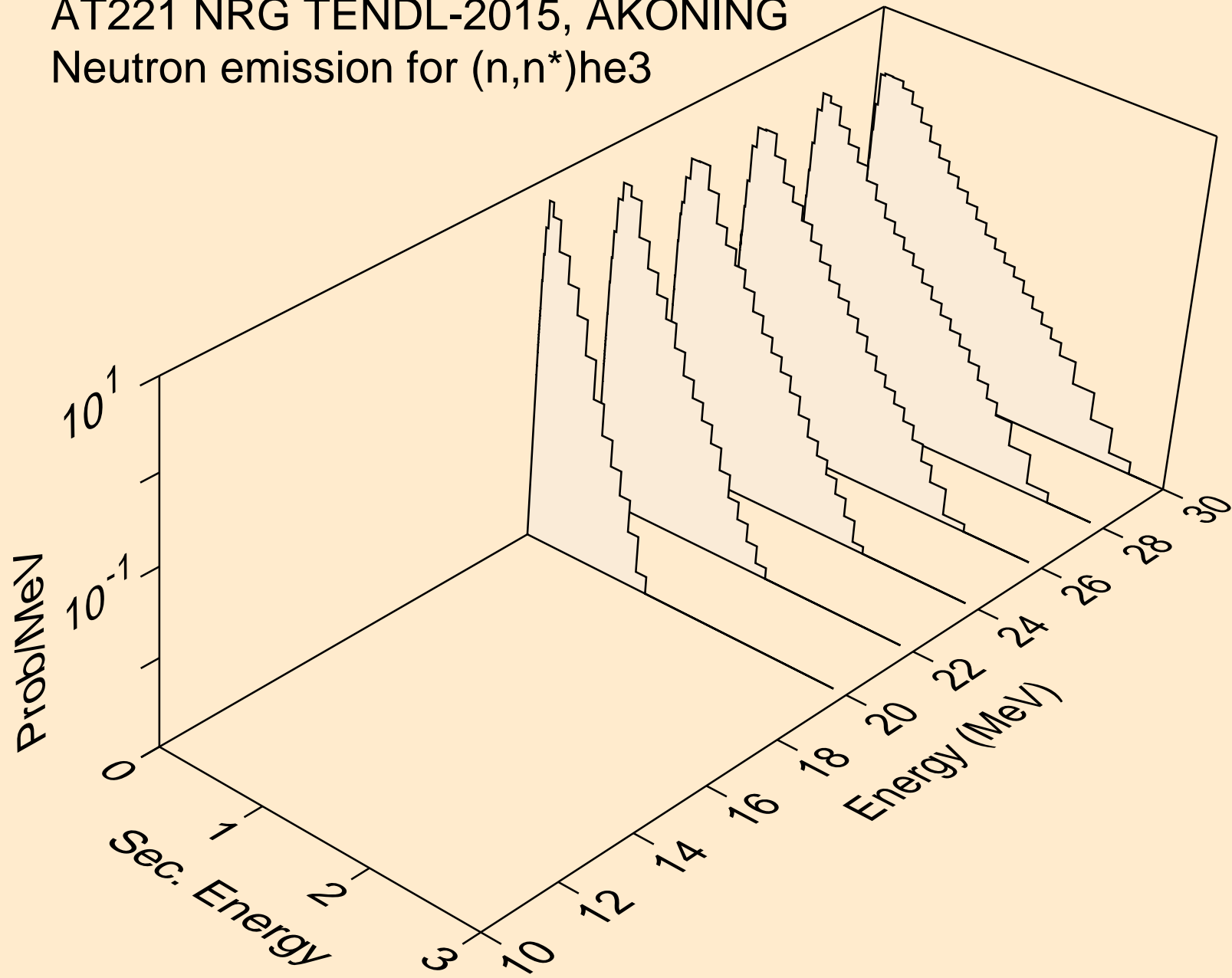
AT221 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



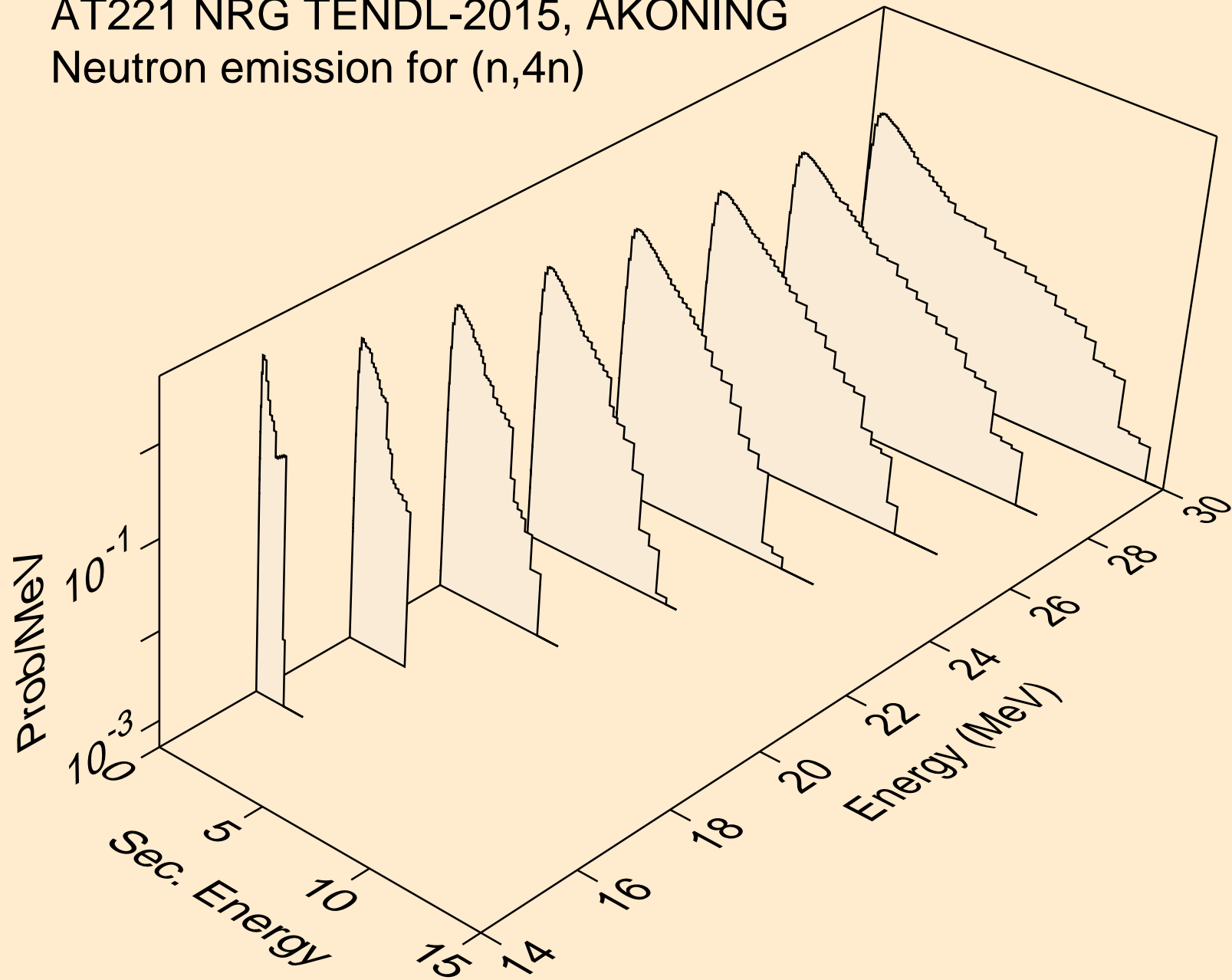
AT221 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



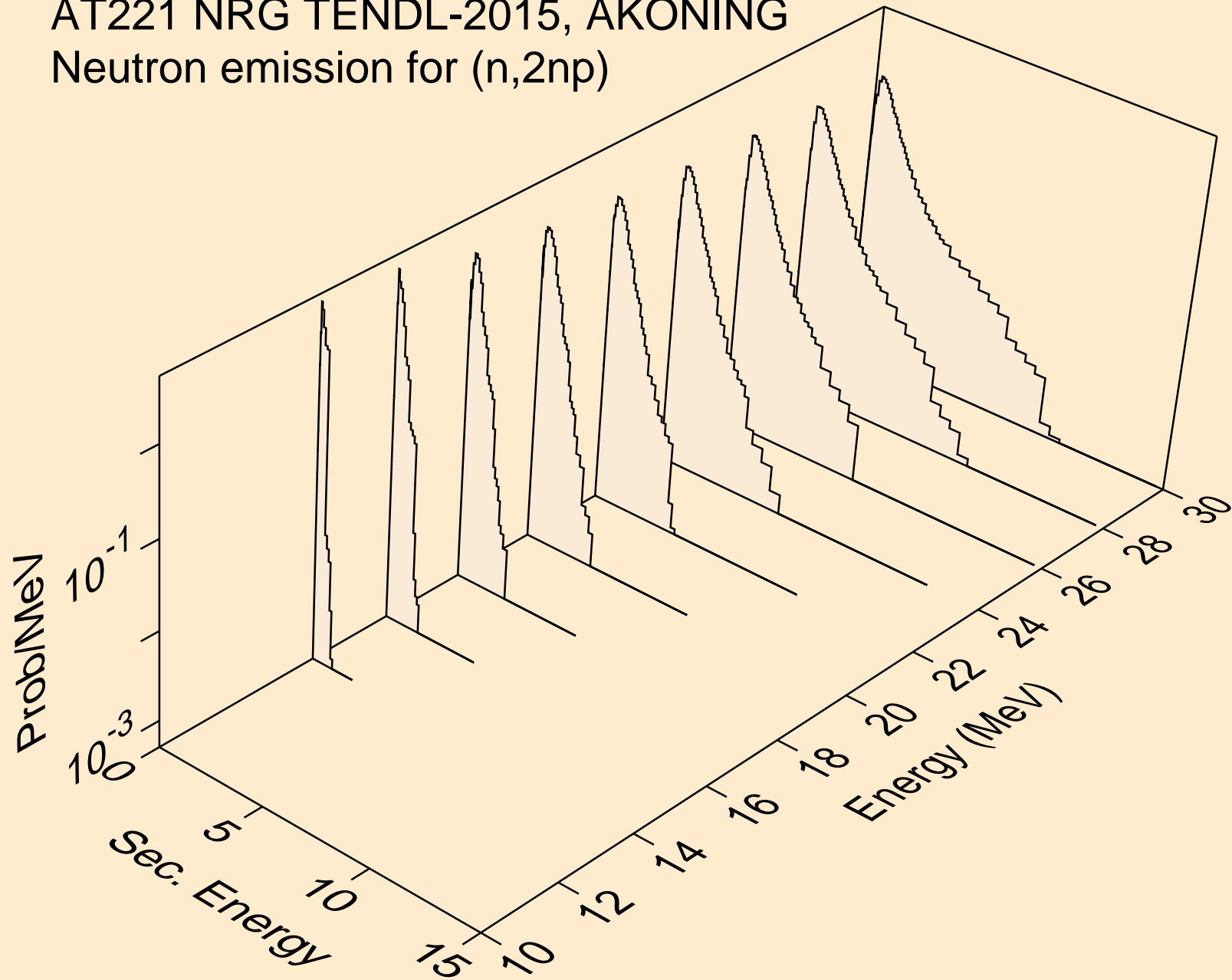
AT221 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



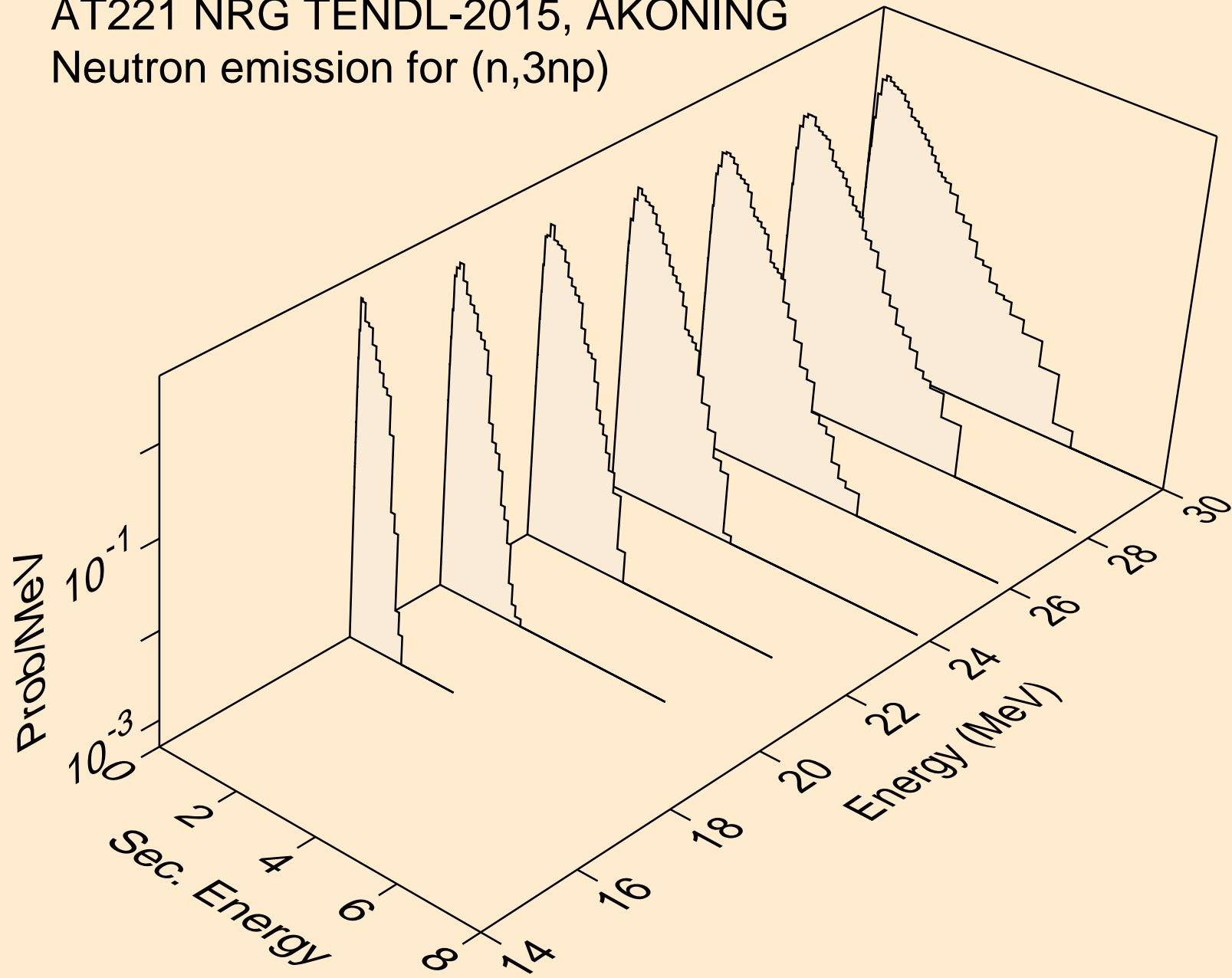
AT221 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



AT221 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)

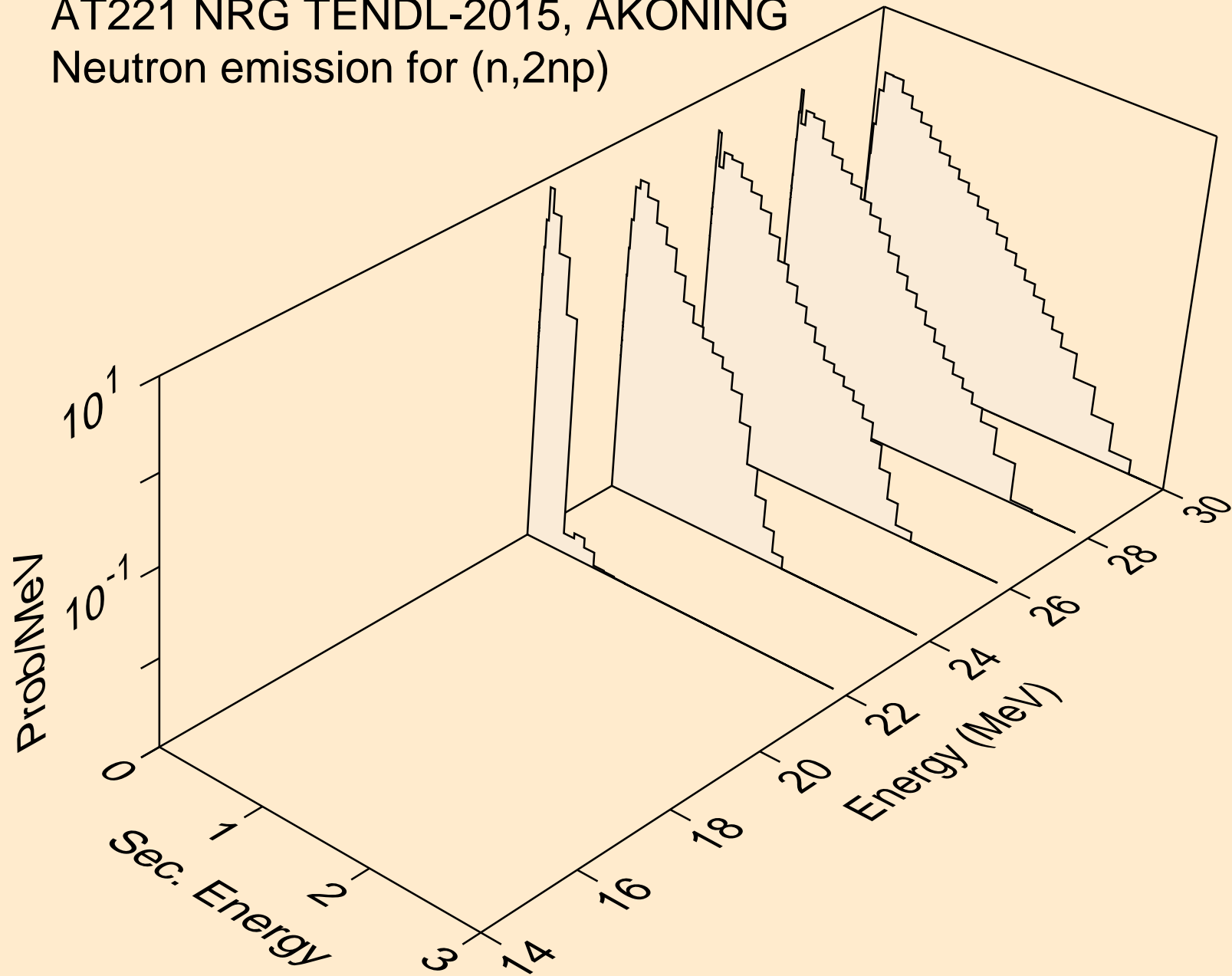


AT221 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)

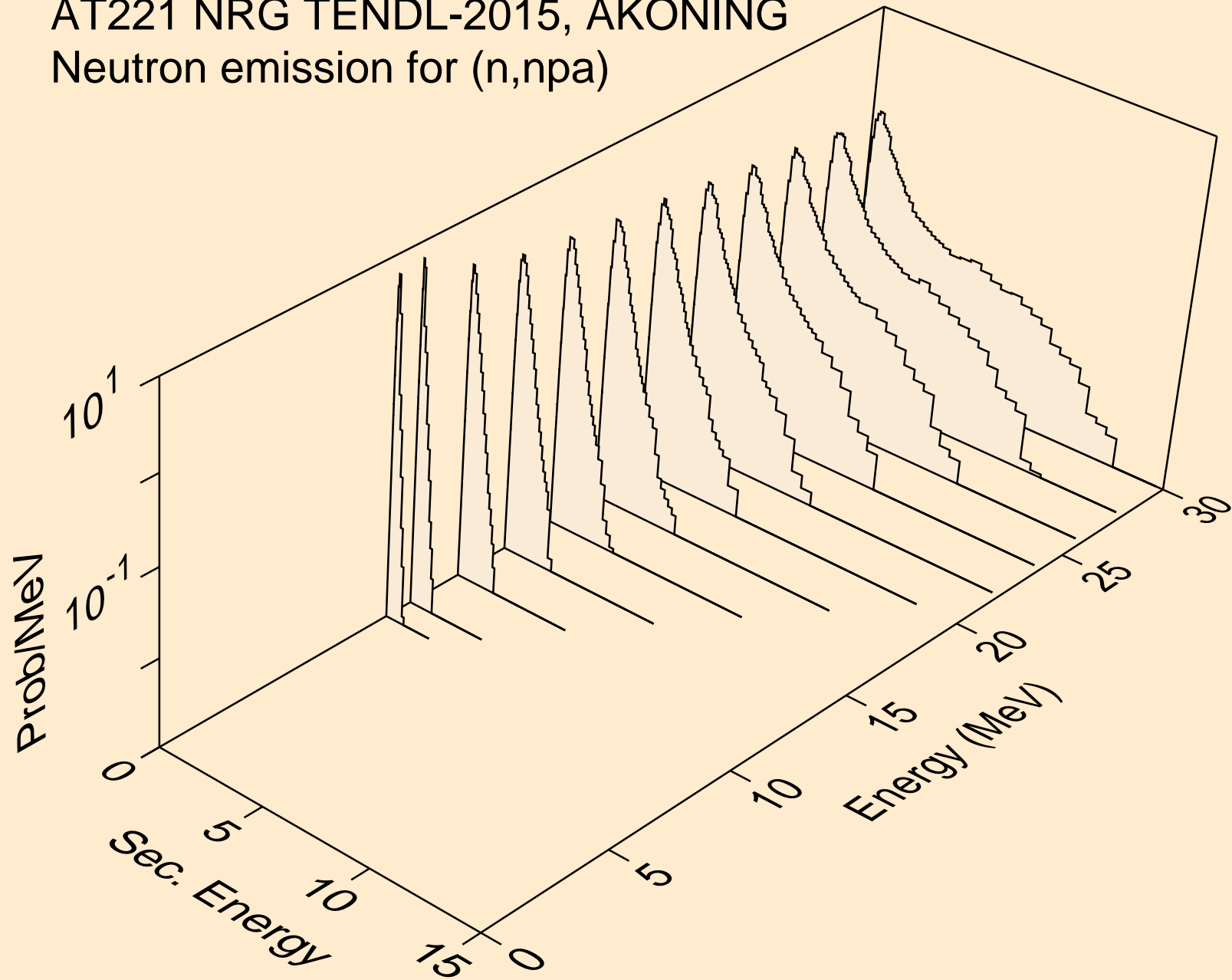




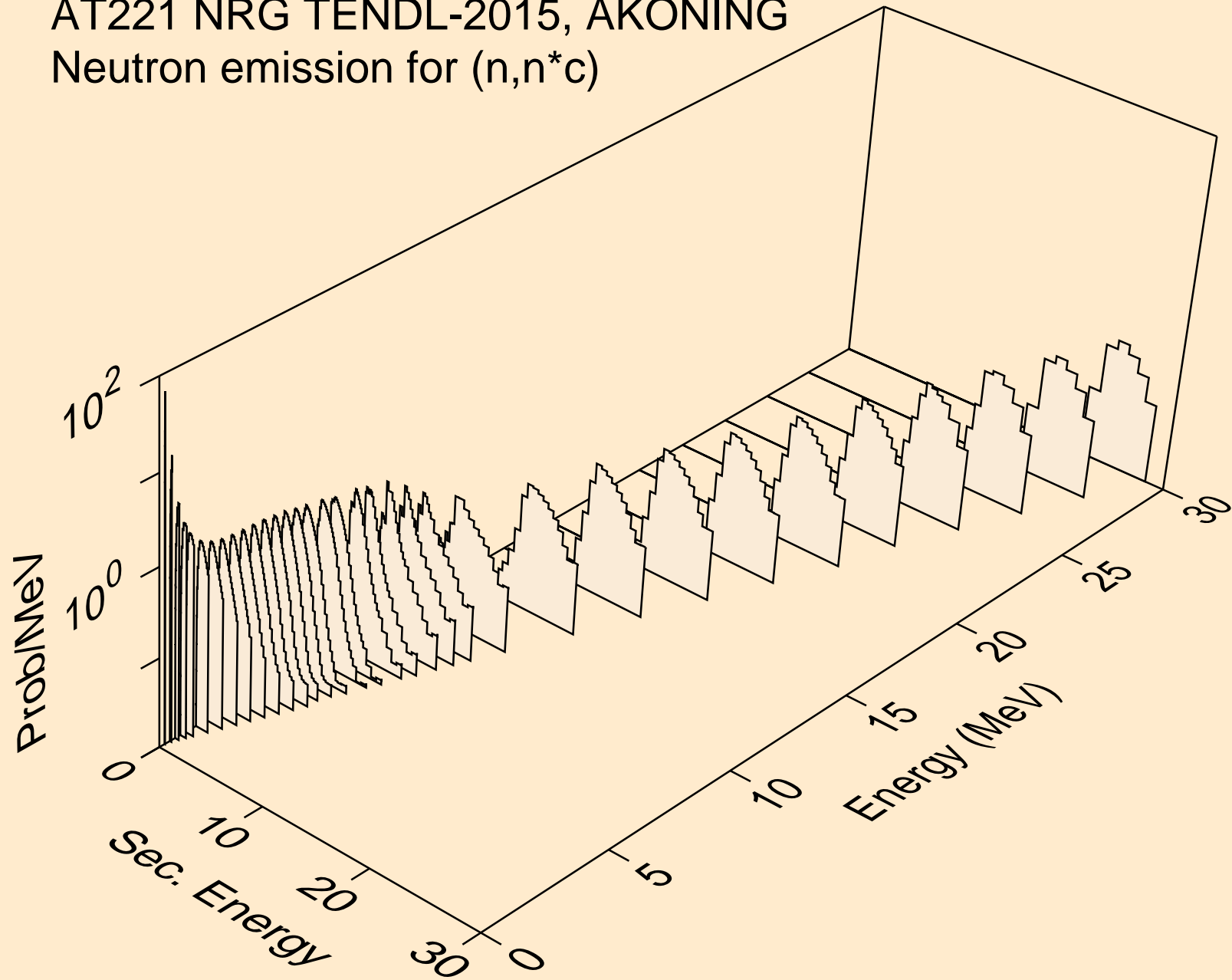
AT221 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



AT221 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)

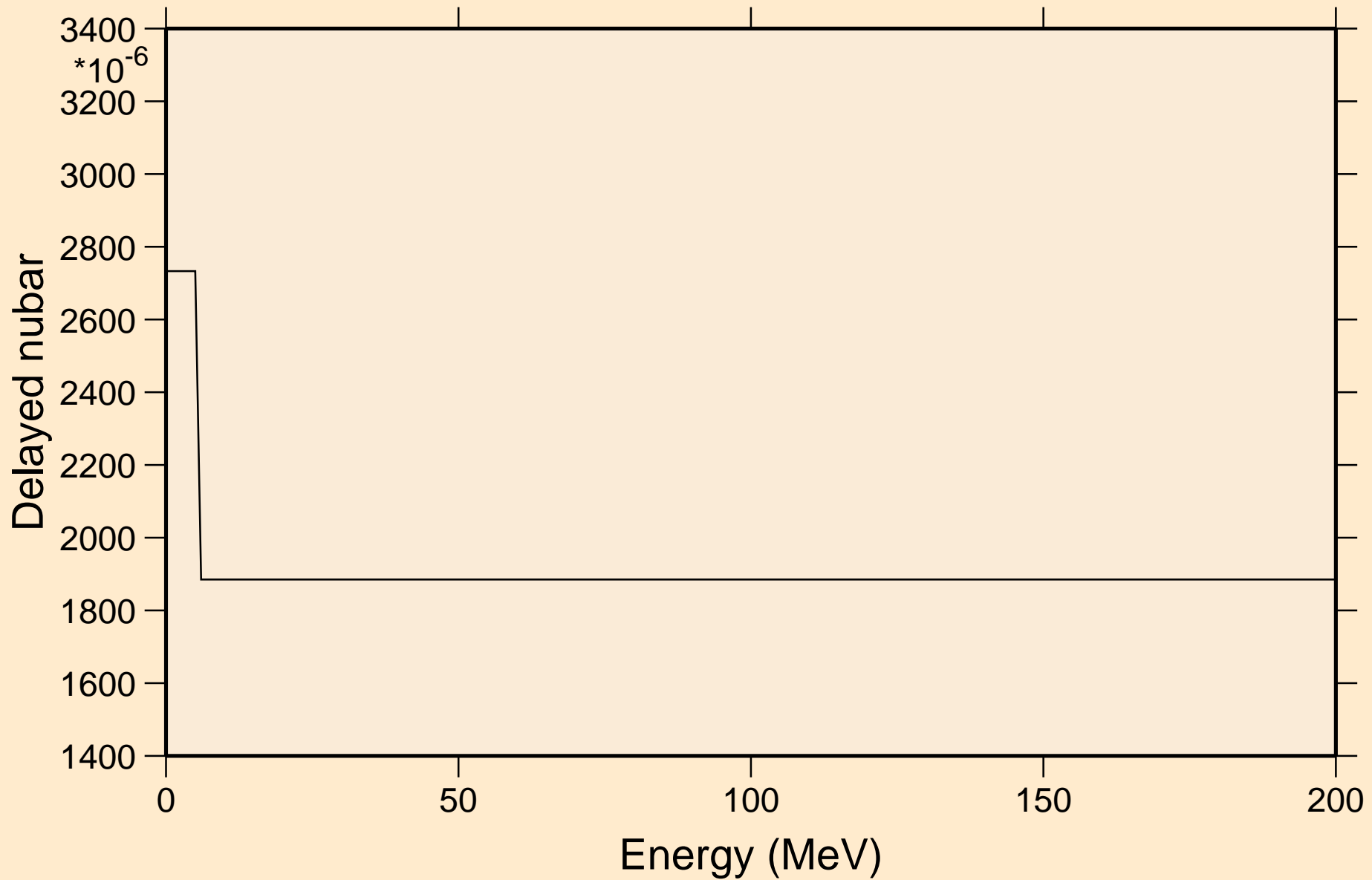


AT221 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



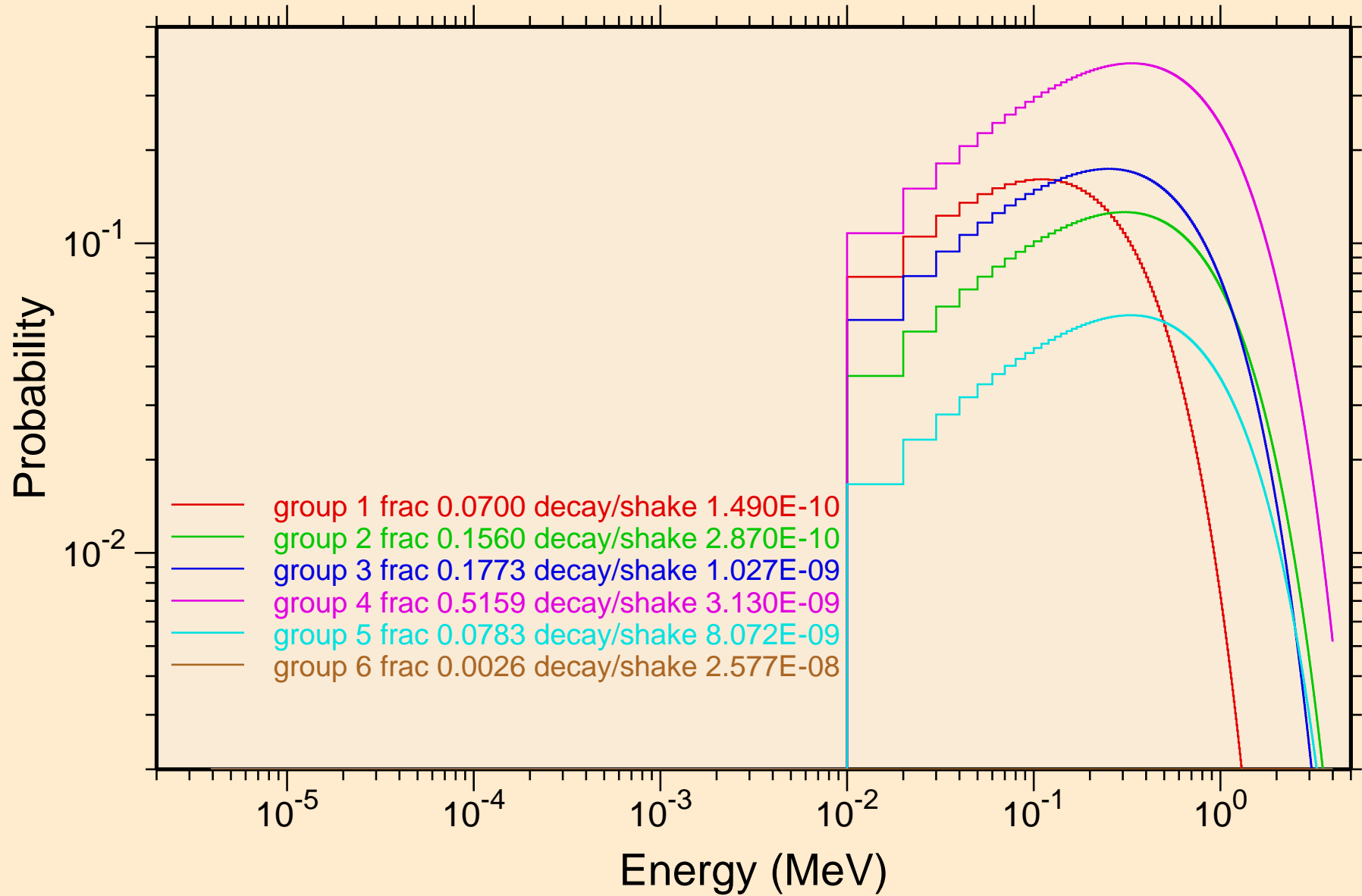
# AT221 NRG TENDL-2015, AKONING

## Delayed nubar

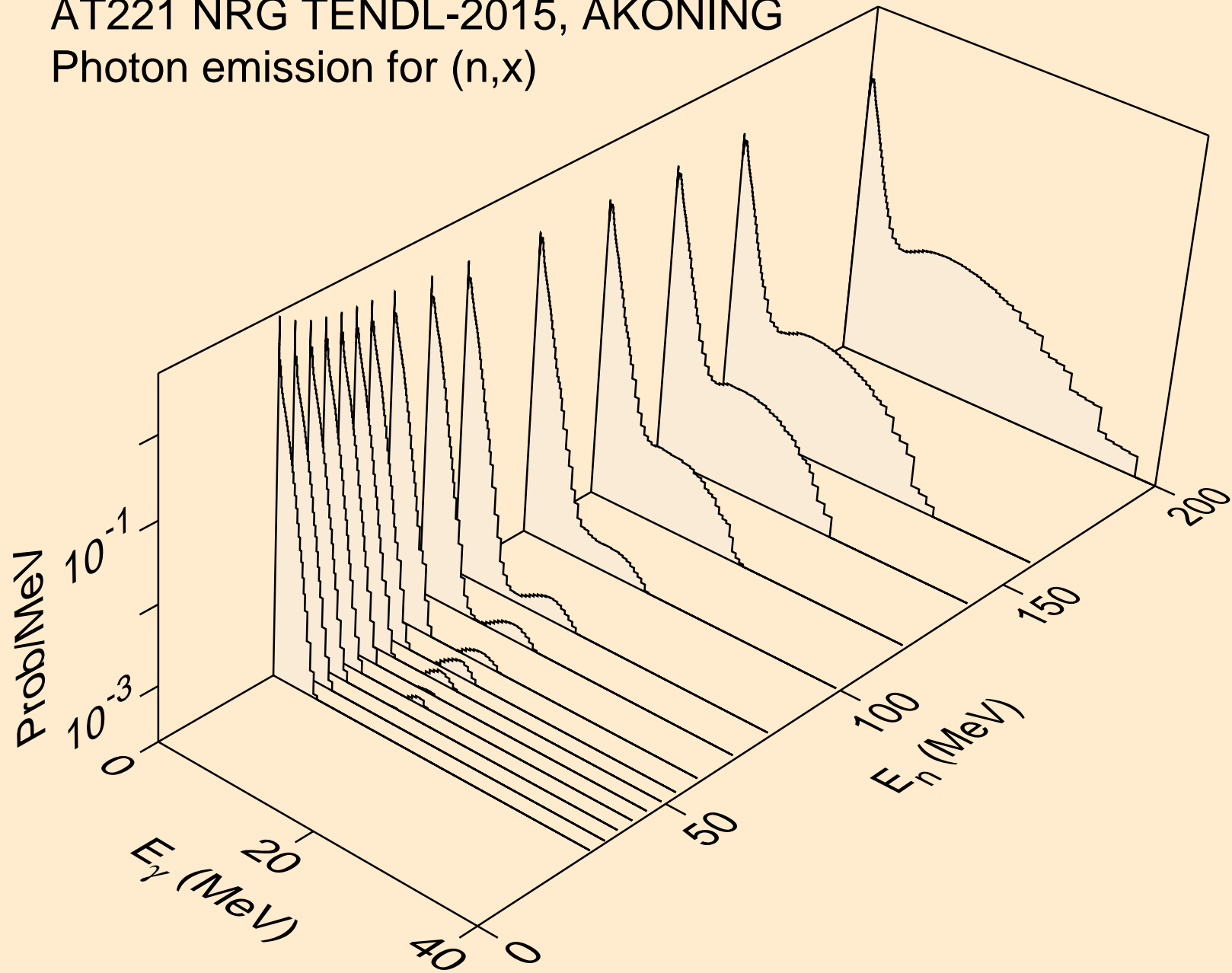


# AT221 NRG TENDL-2015, AKONING

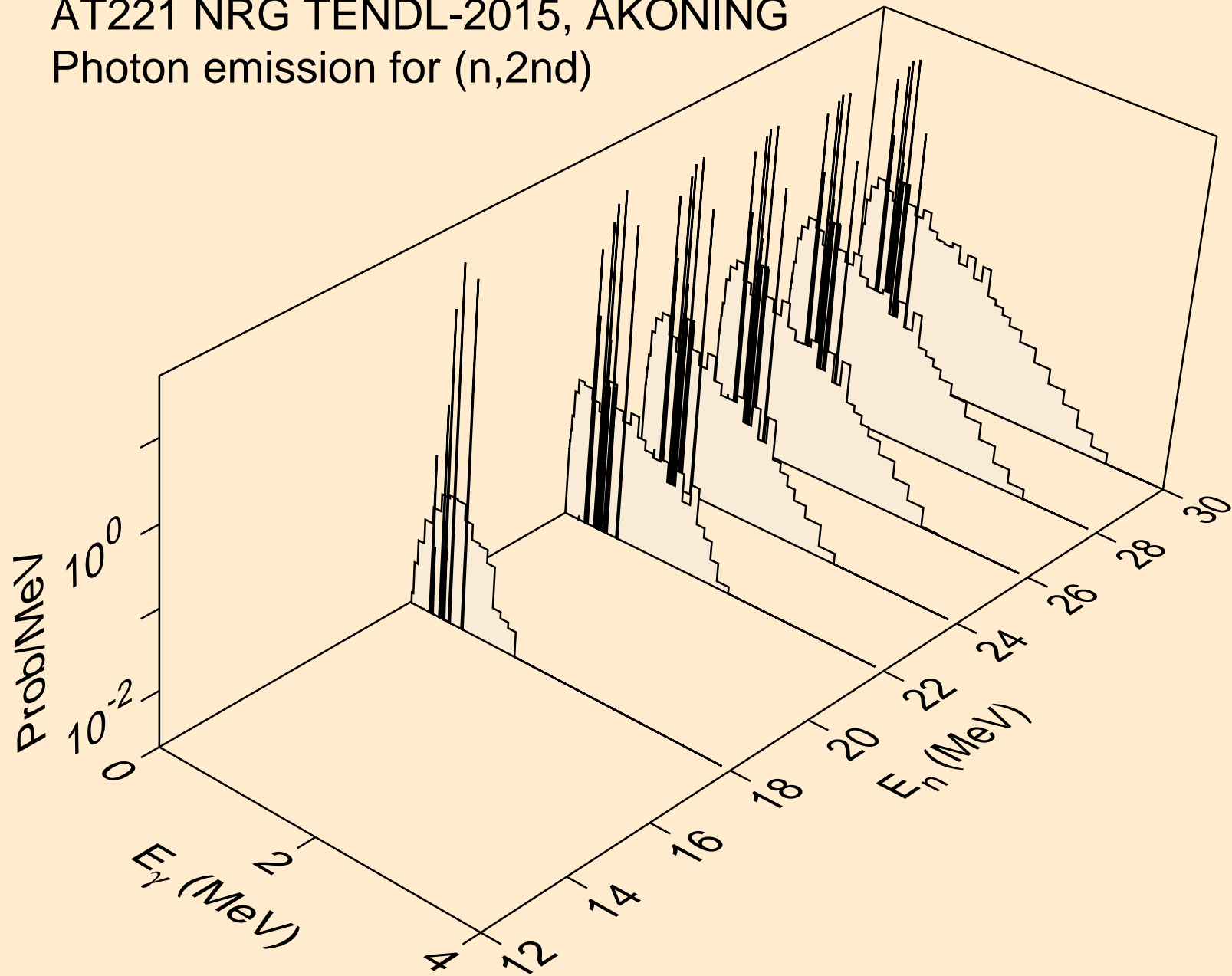
## Delayed neutron spectra



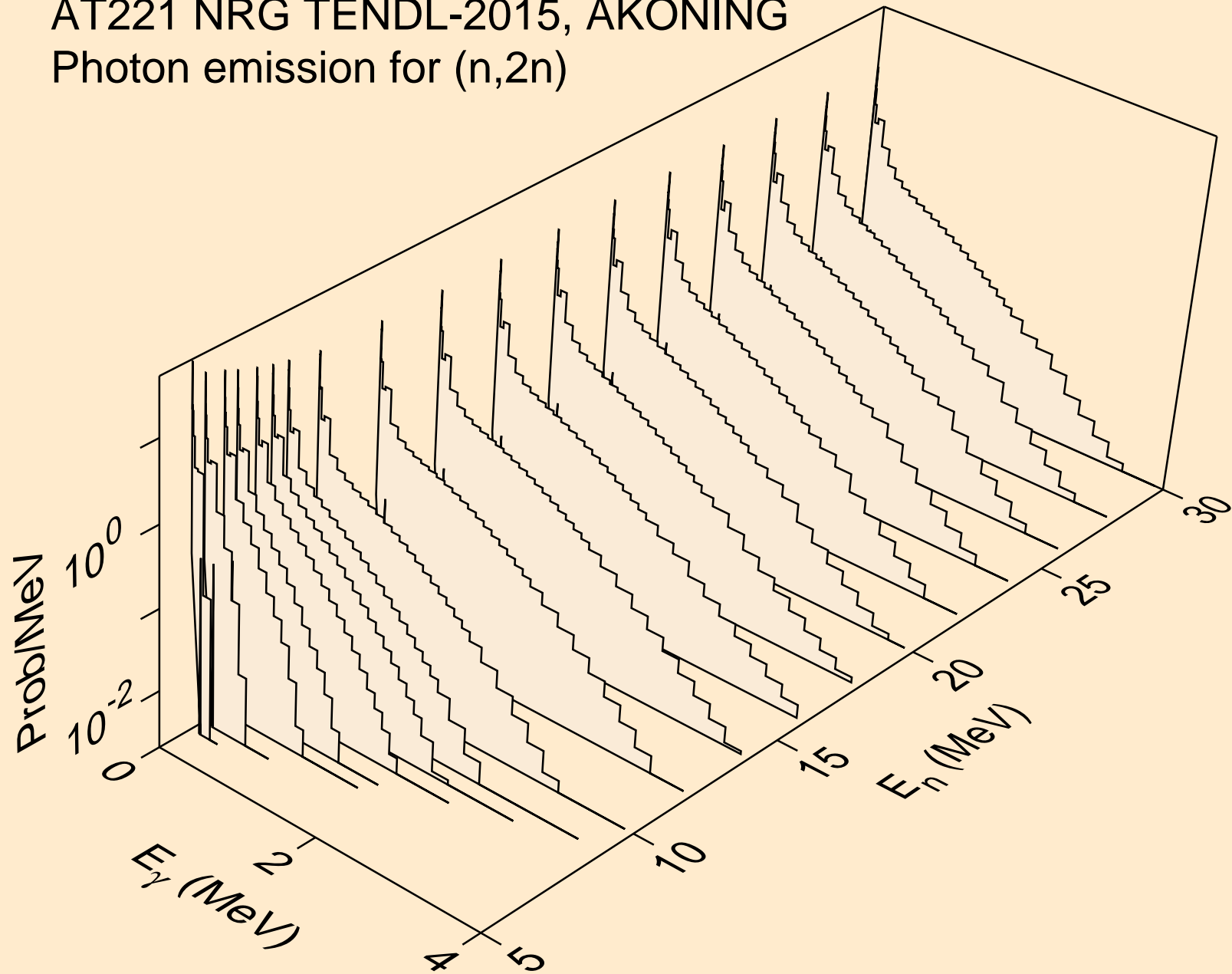
AT221 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



AT221 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)

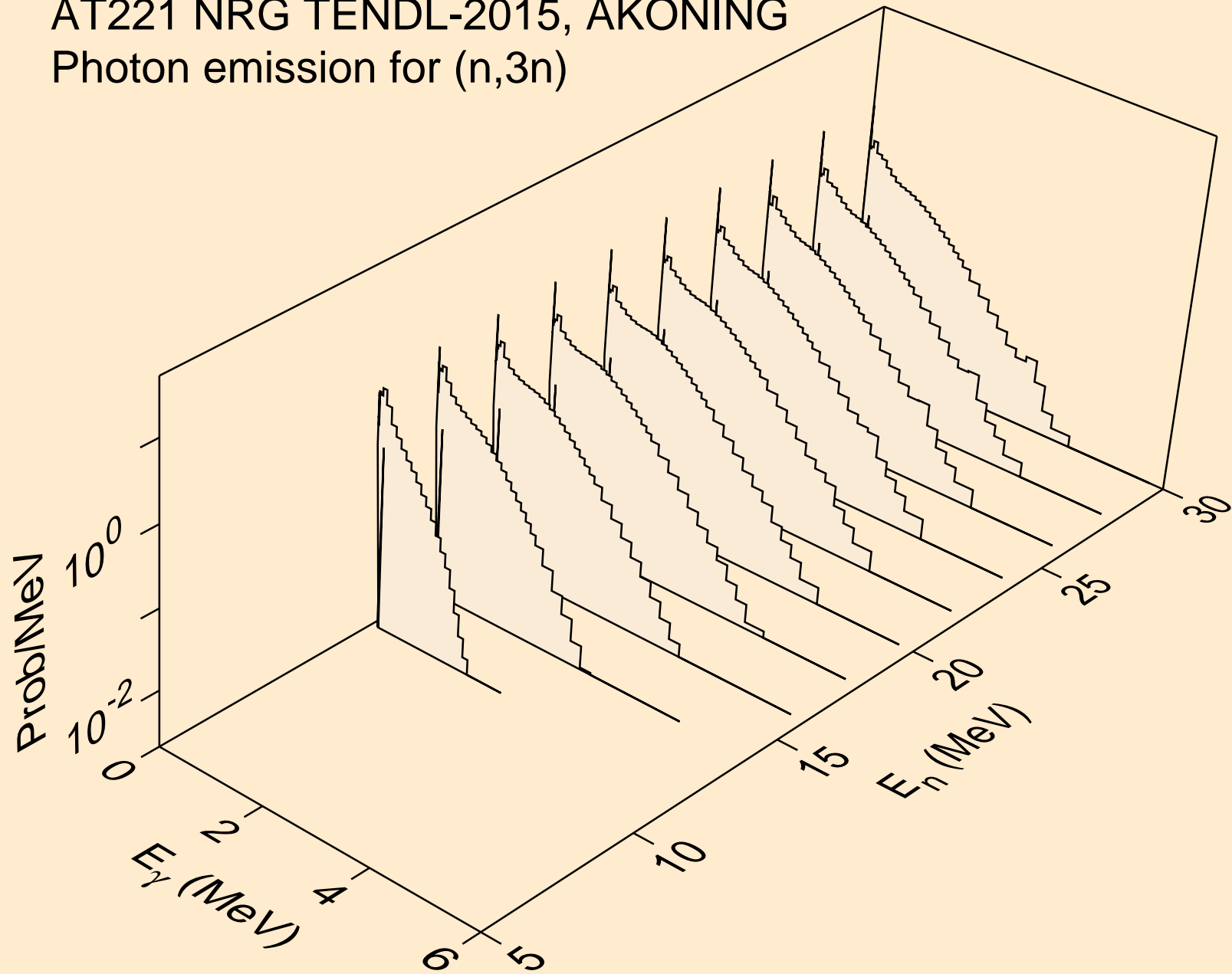


AT221 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)

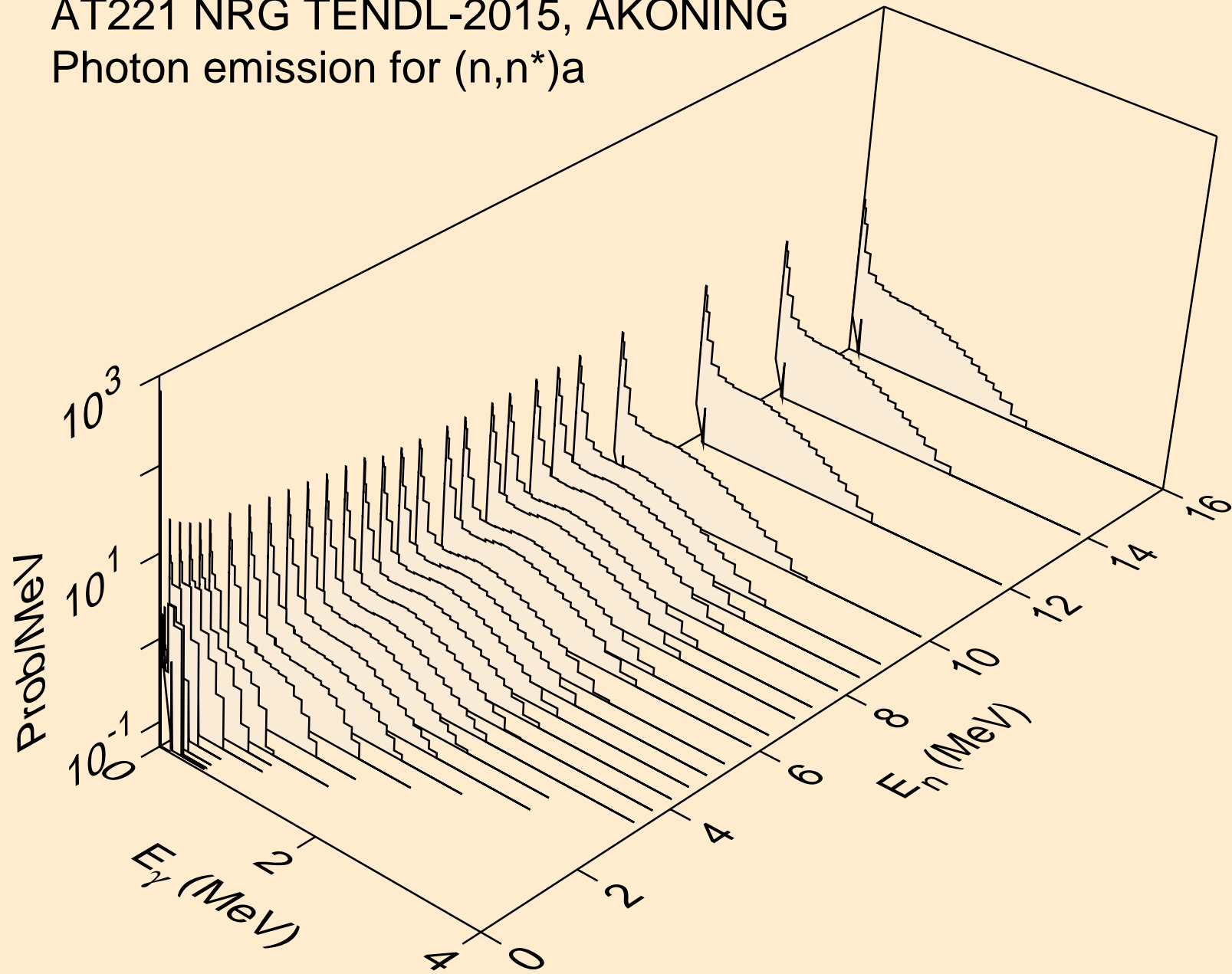




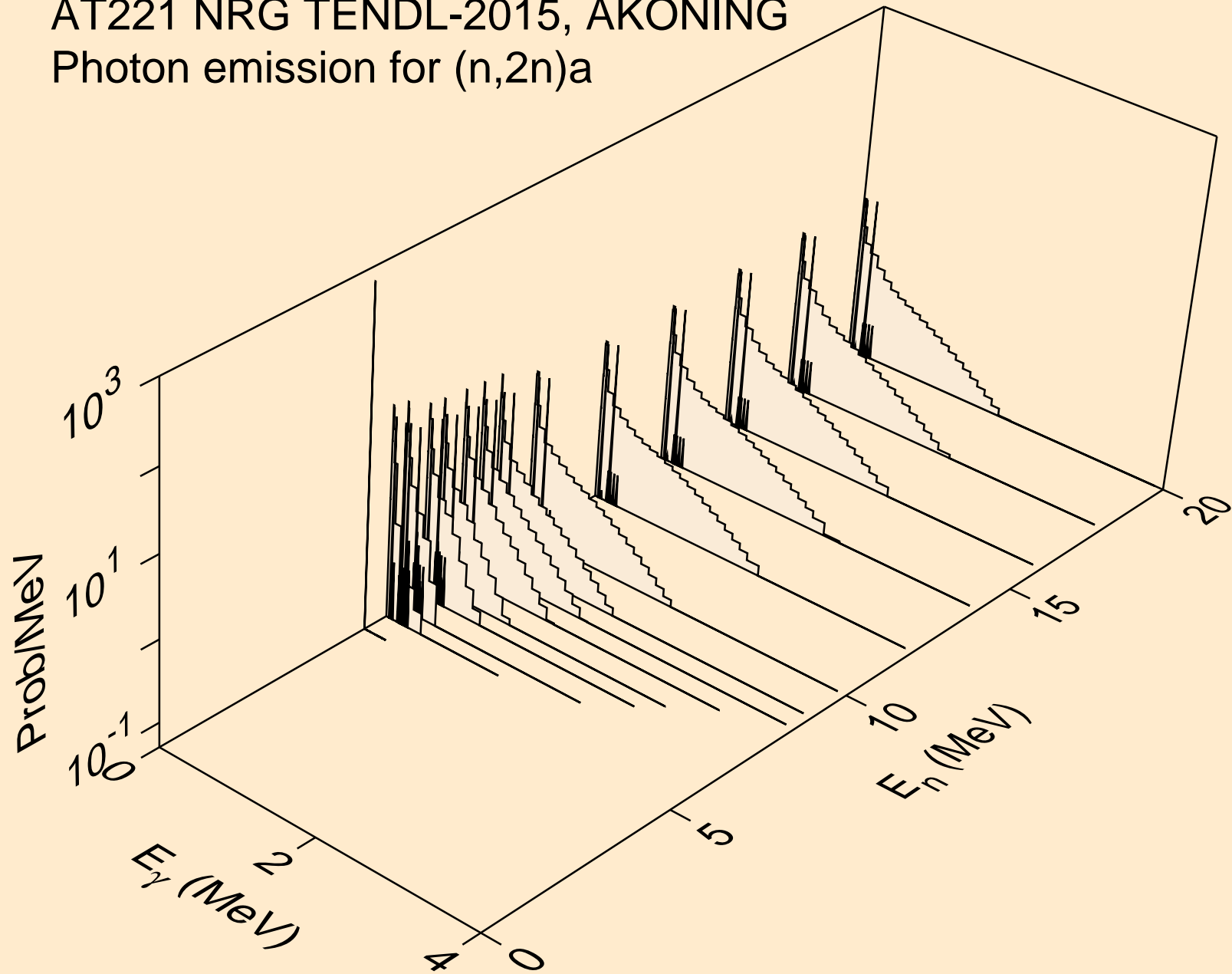
AT221 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



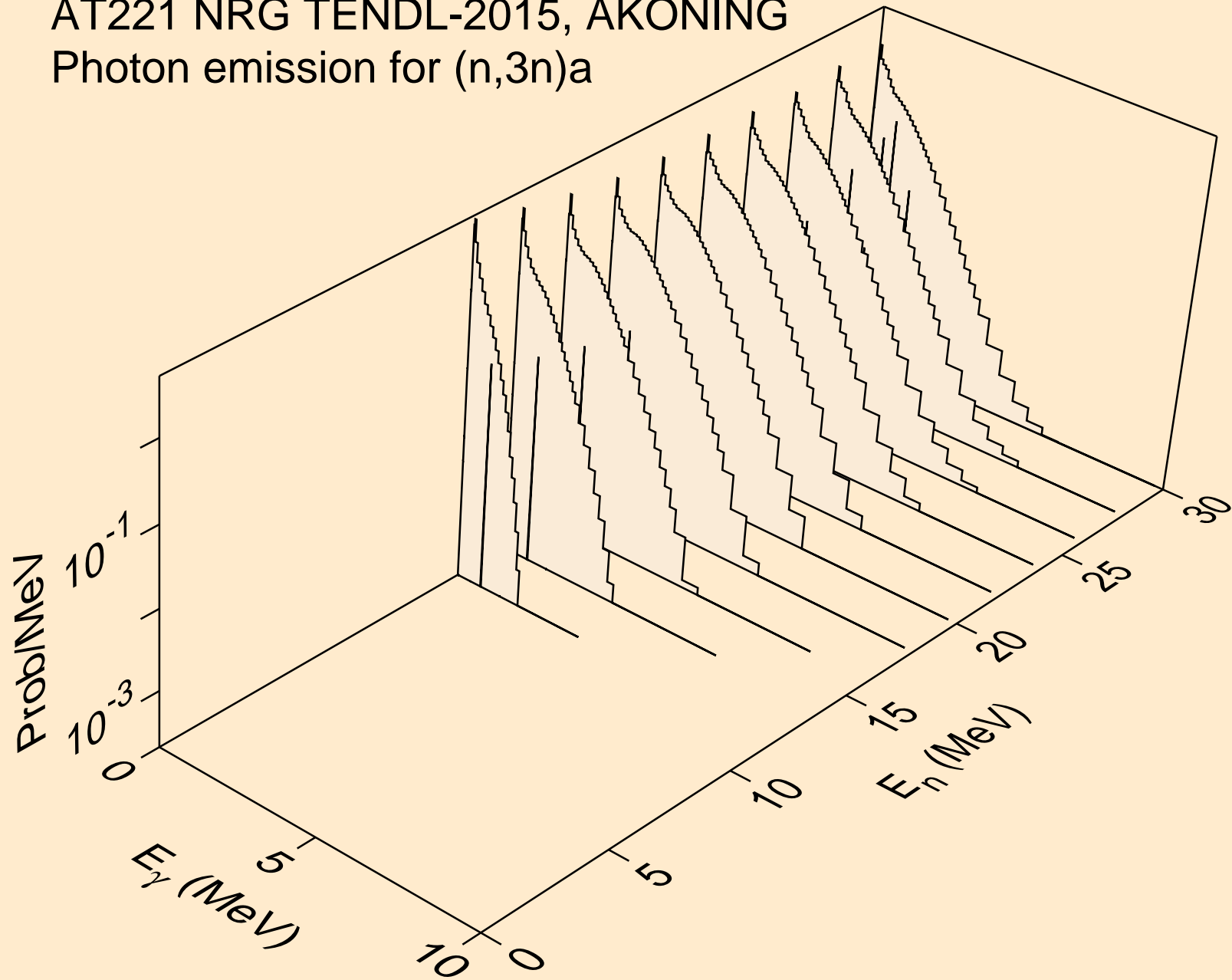
AT221 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



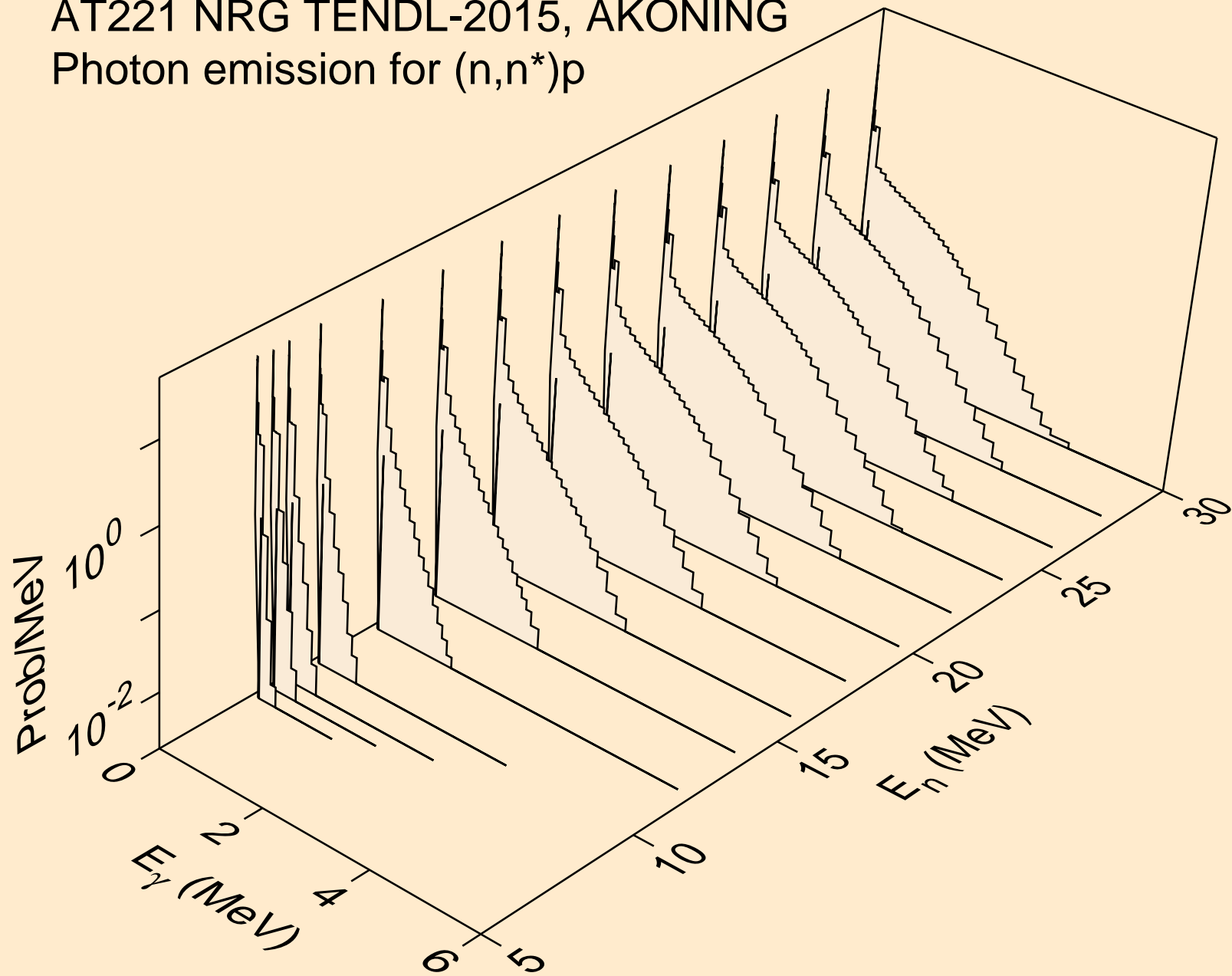
AT221 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



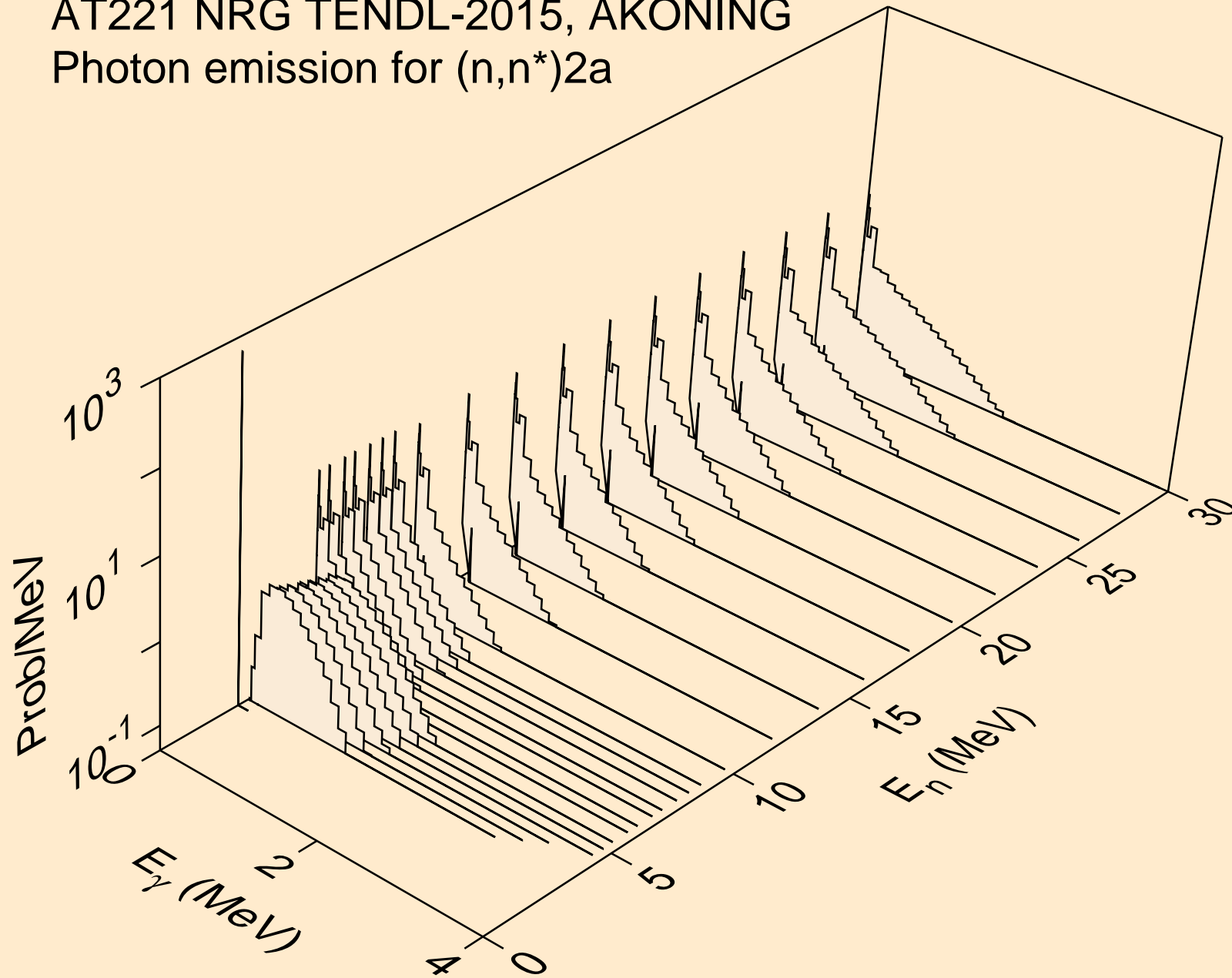
AT221 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



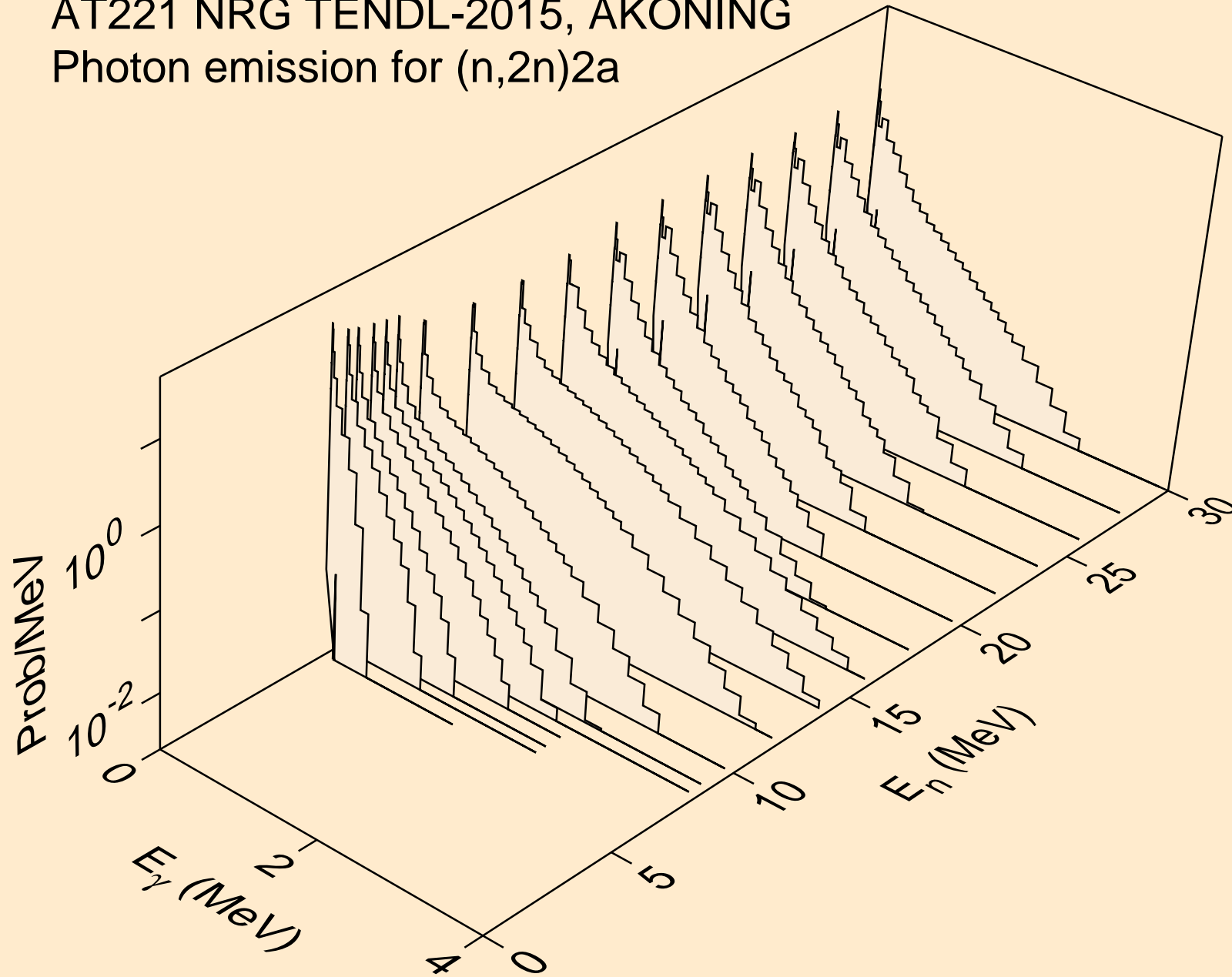
AT221 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



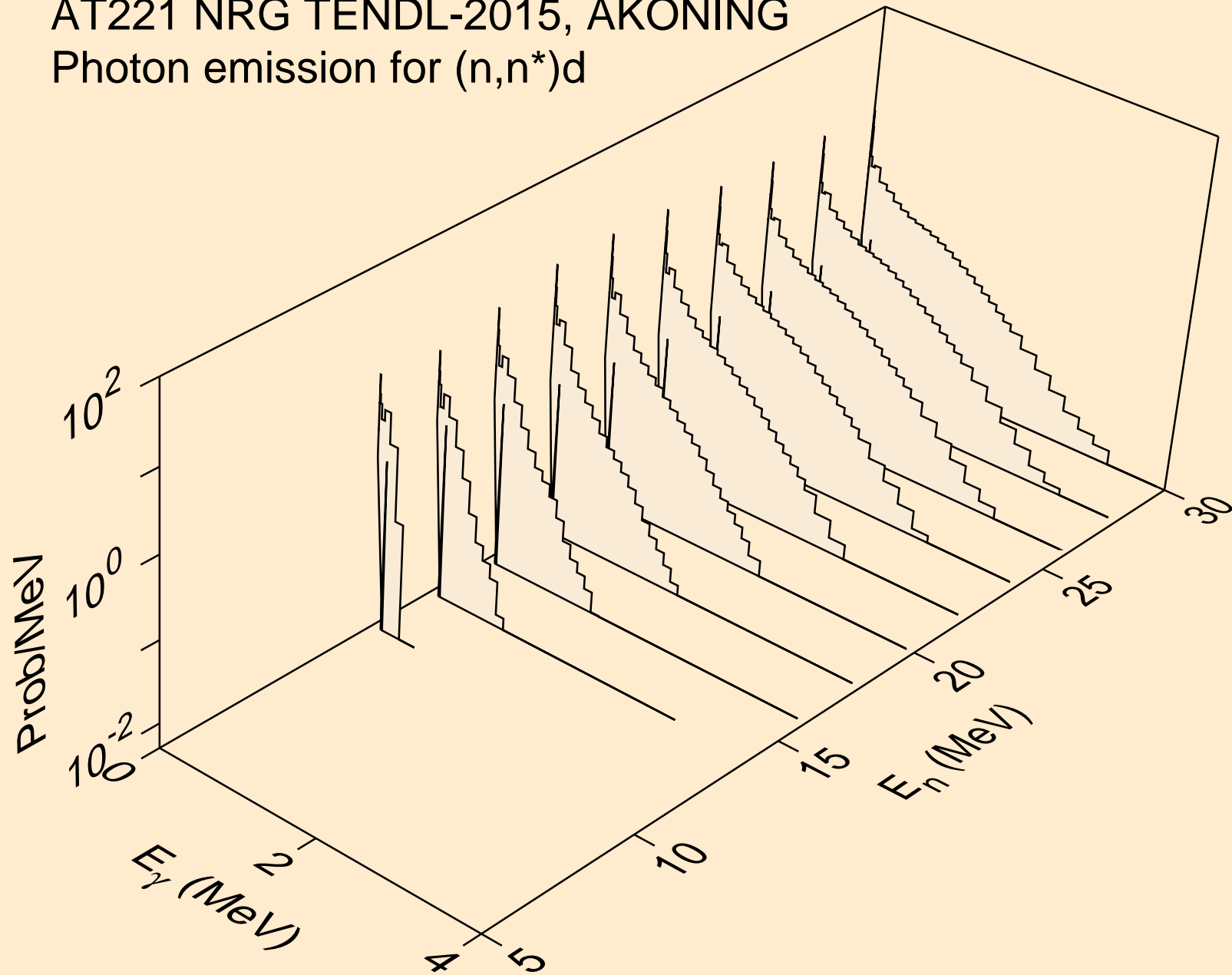
AT221 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



AT221 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a

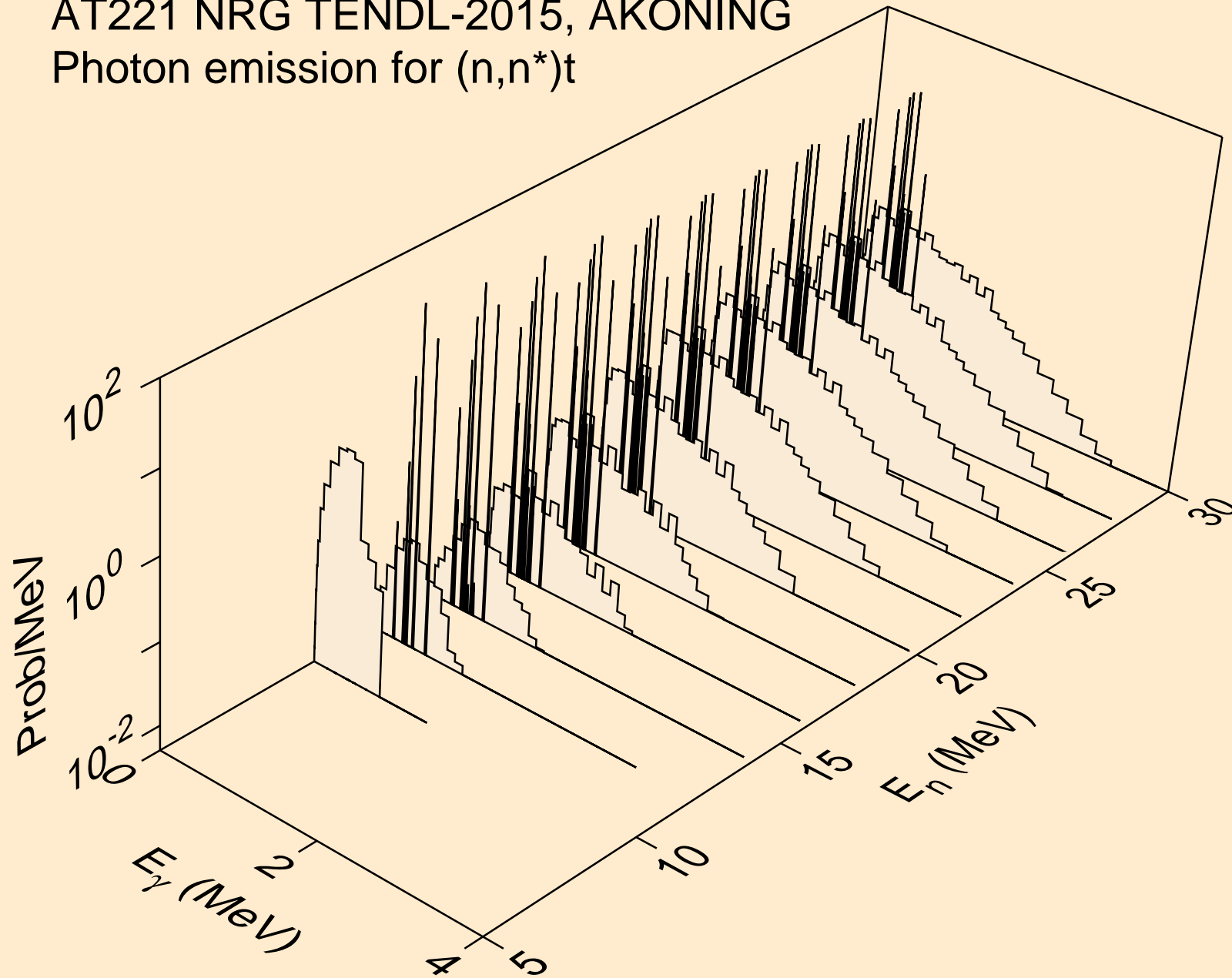


AT221 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d

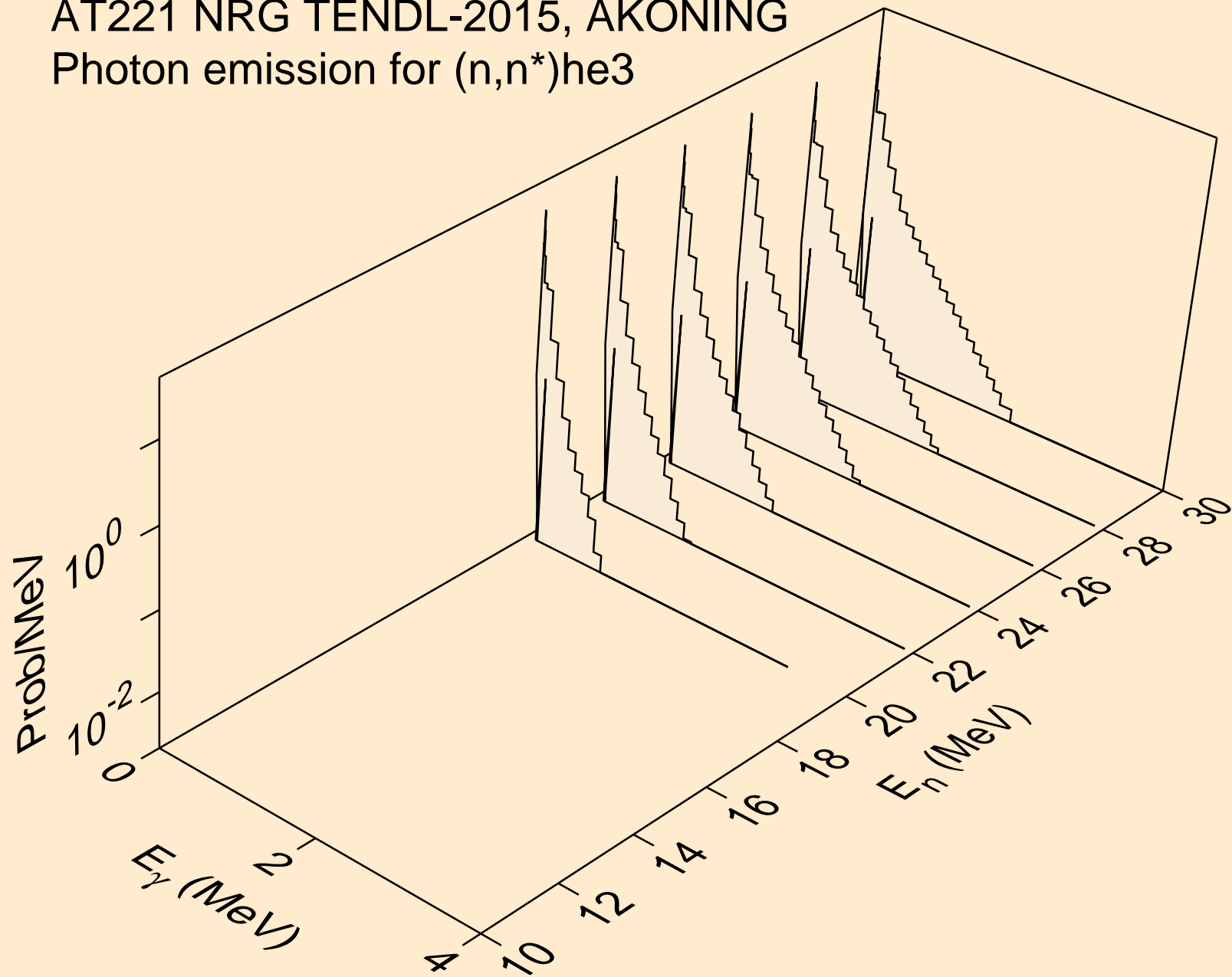




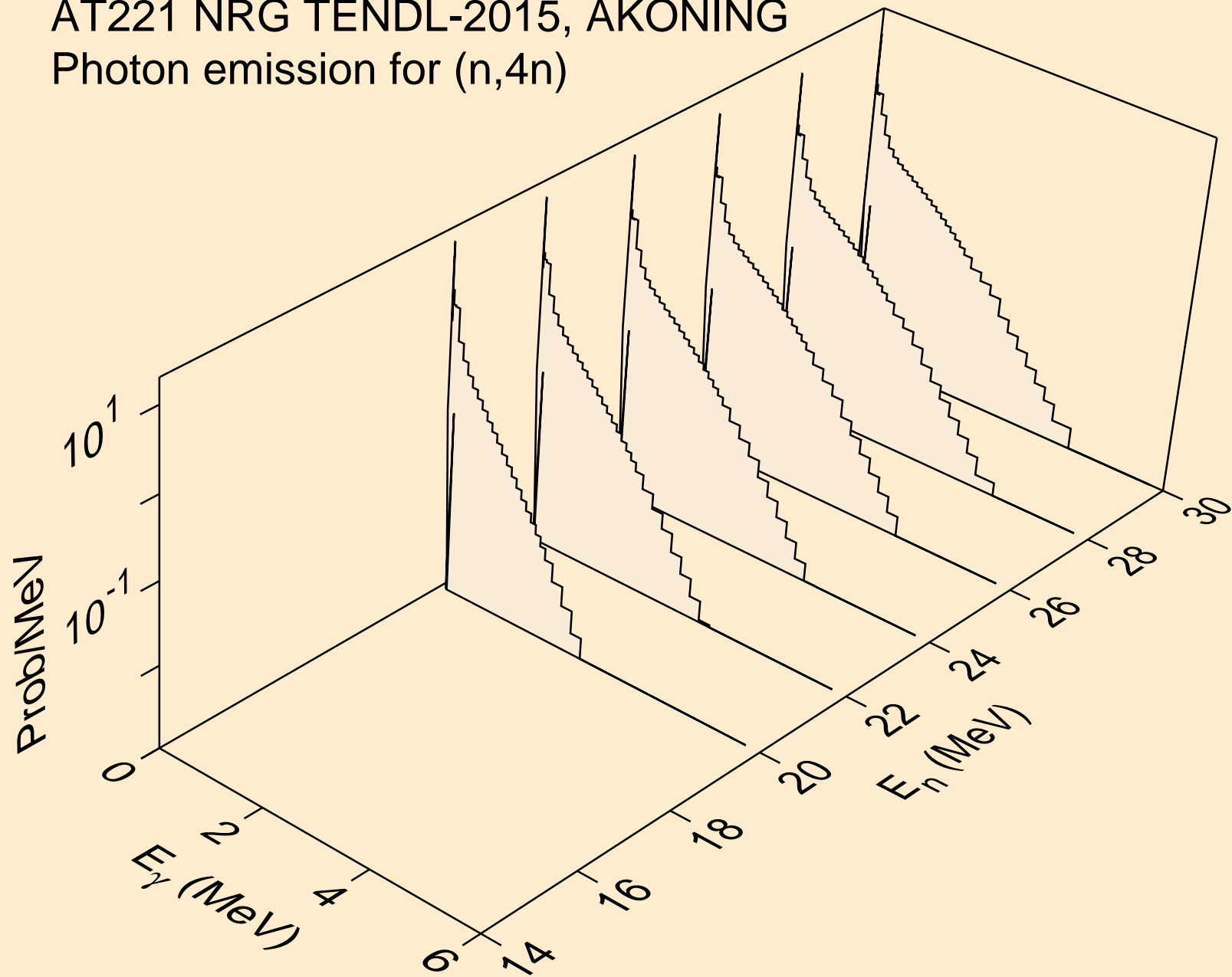
AT221 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



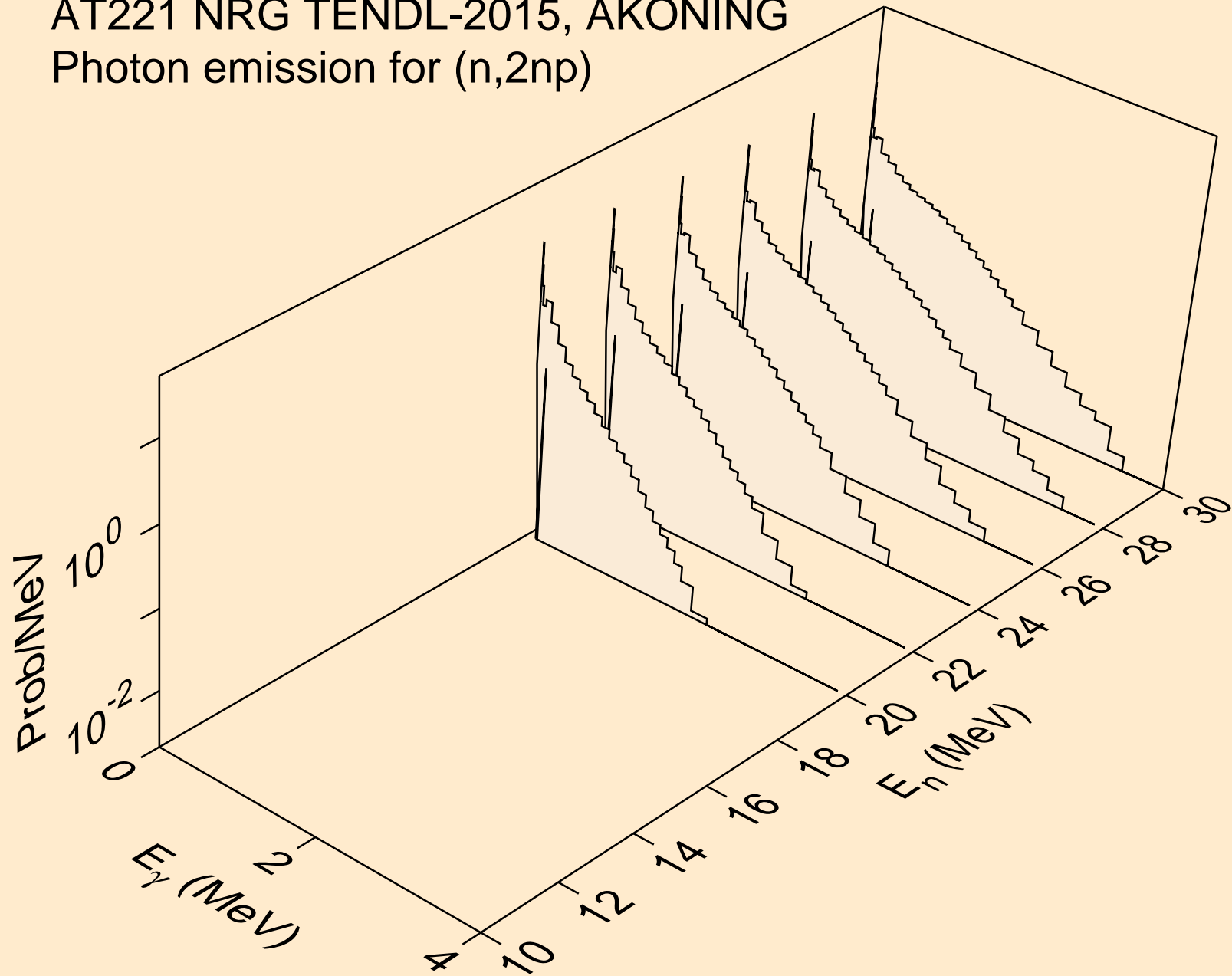
AT221 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



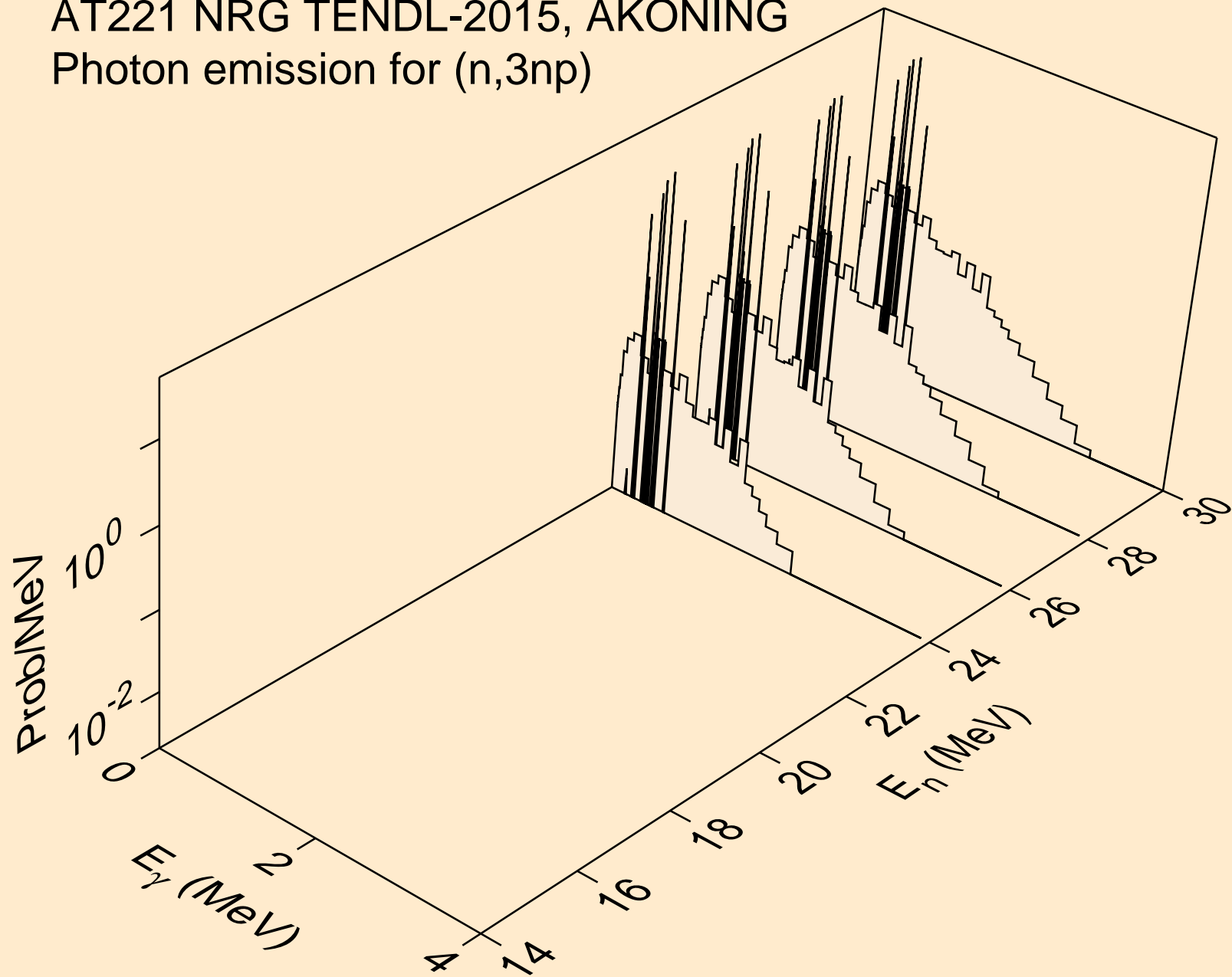
AT221 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



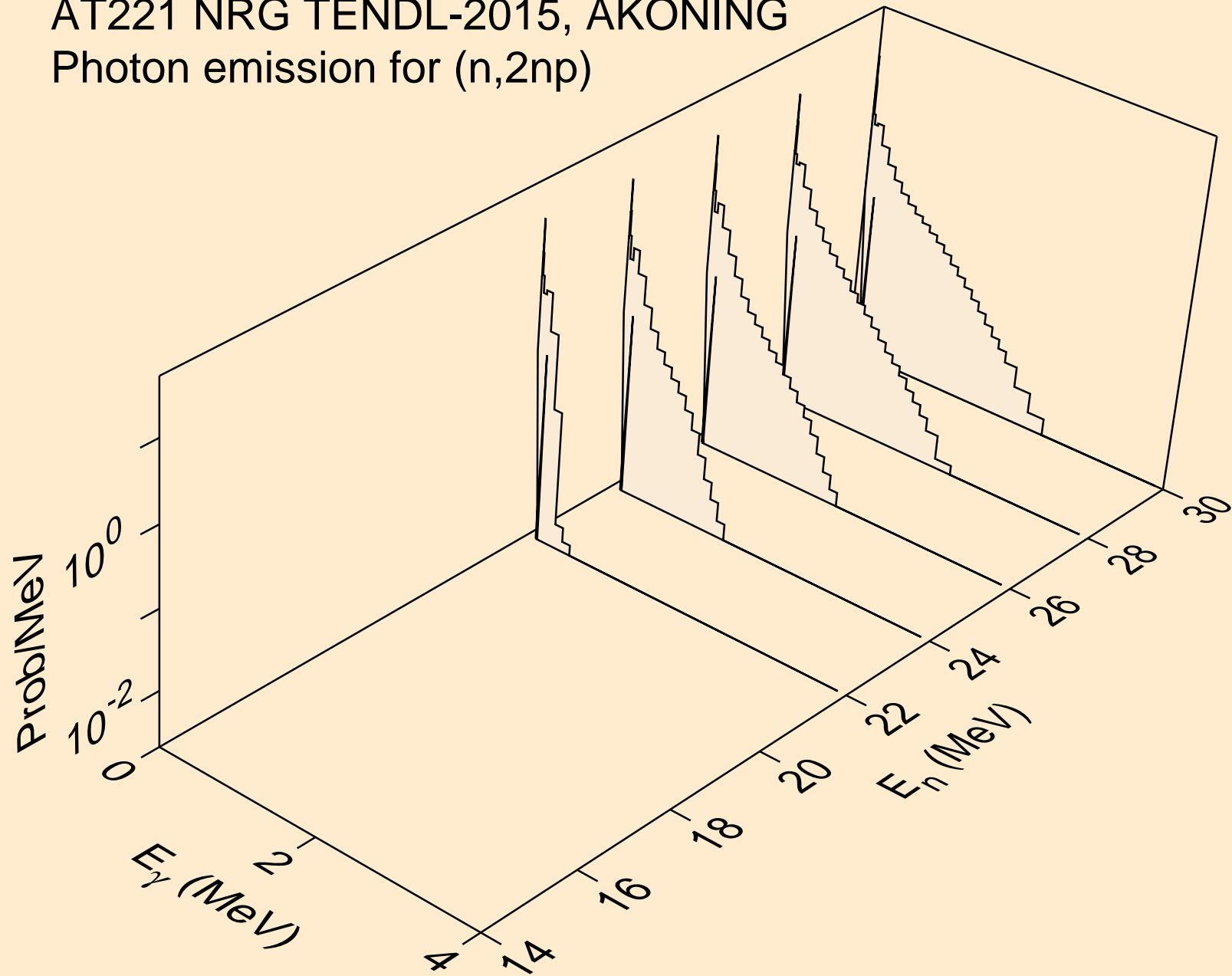
AT221 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



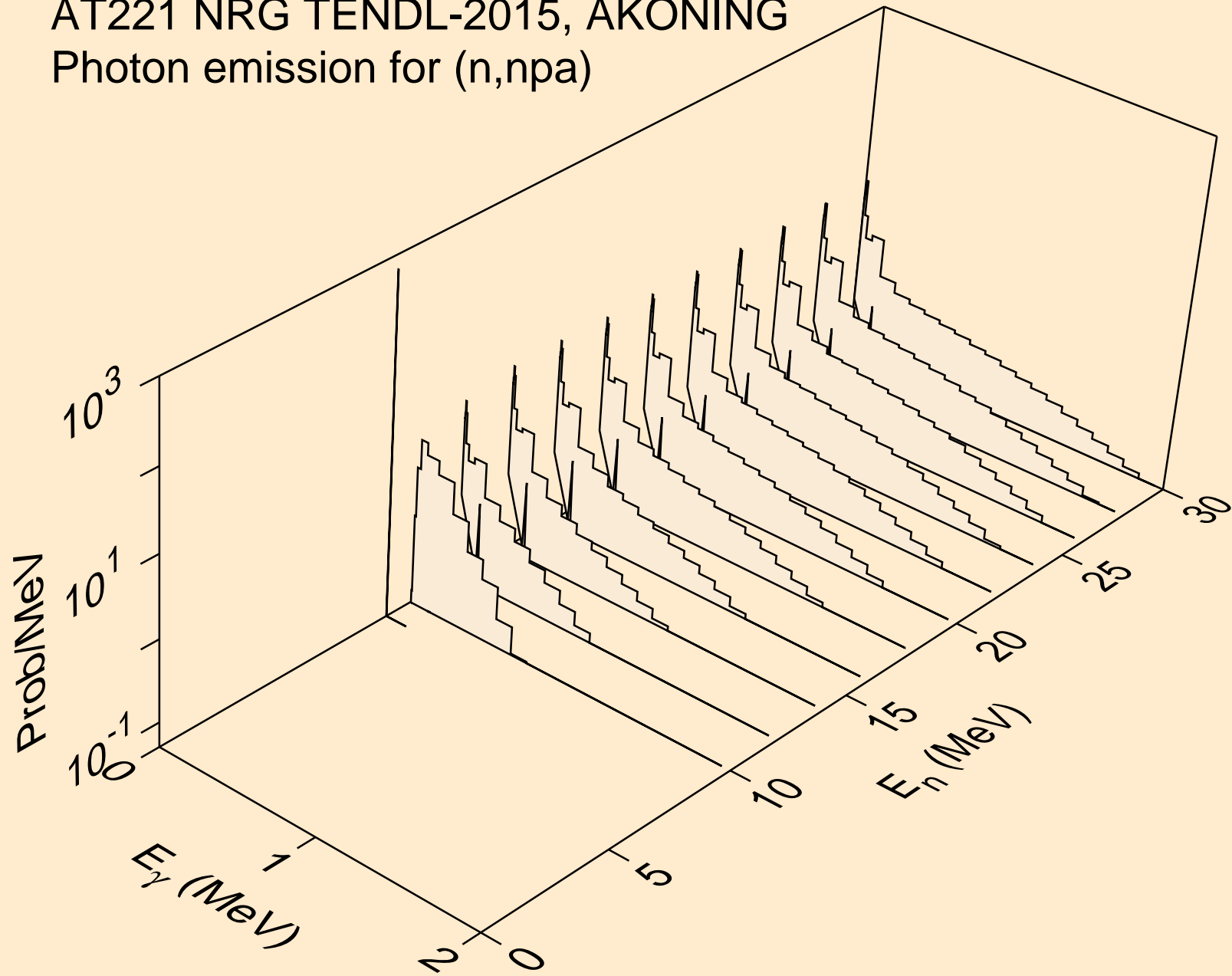
AT221 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



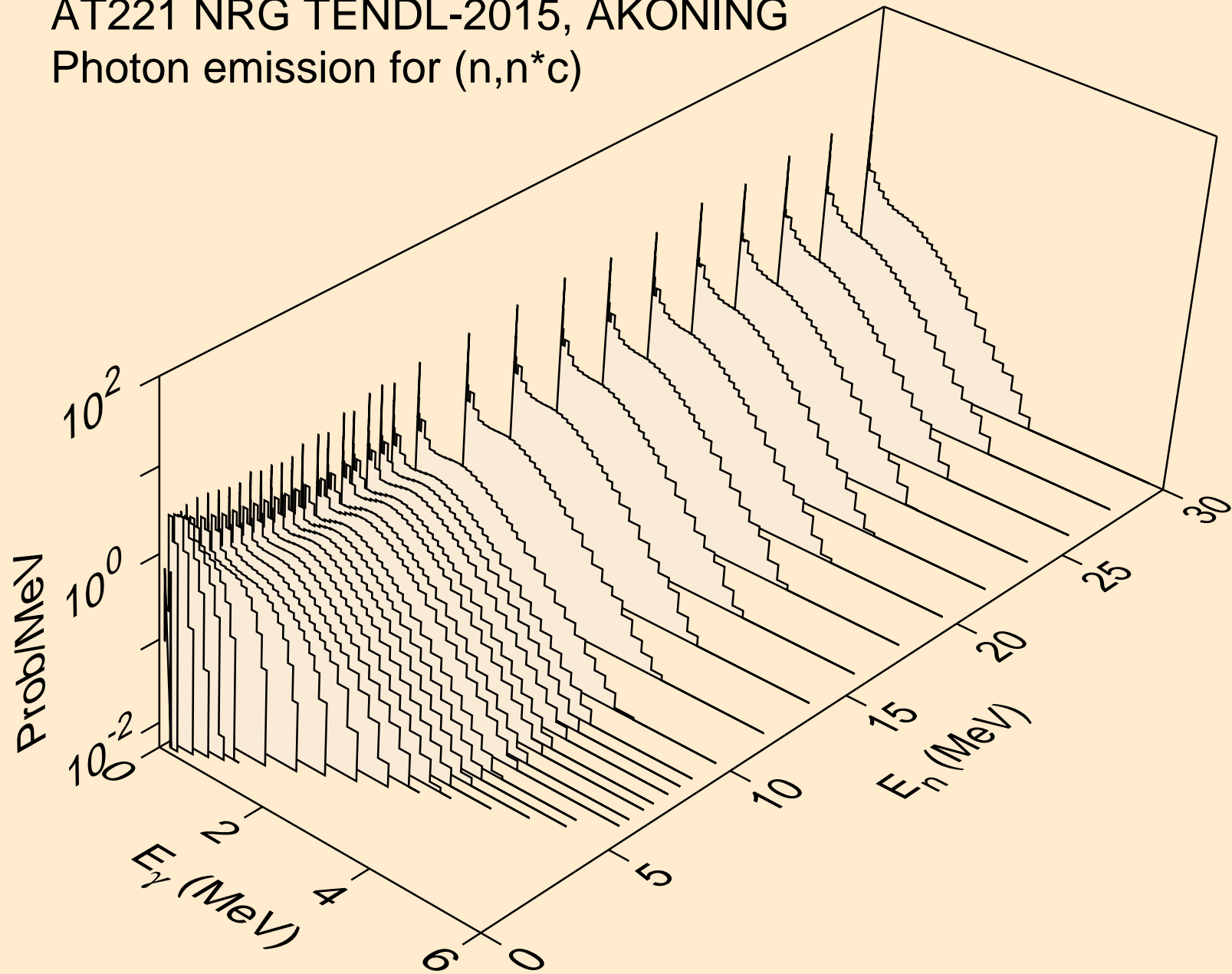
AT221 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



AT221 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)

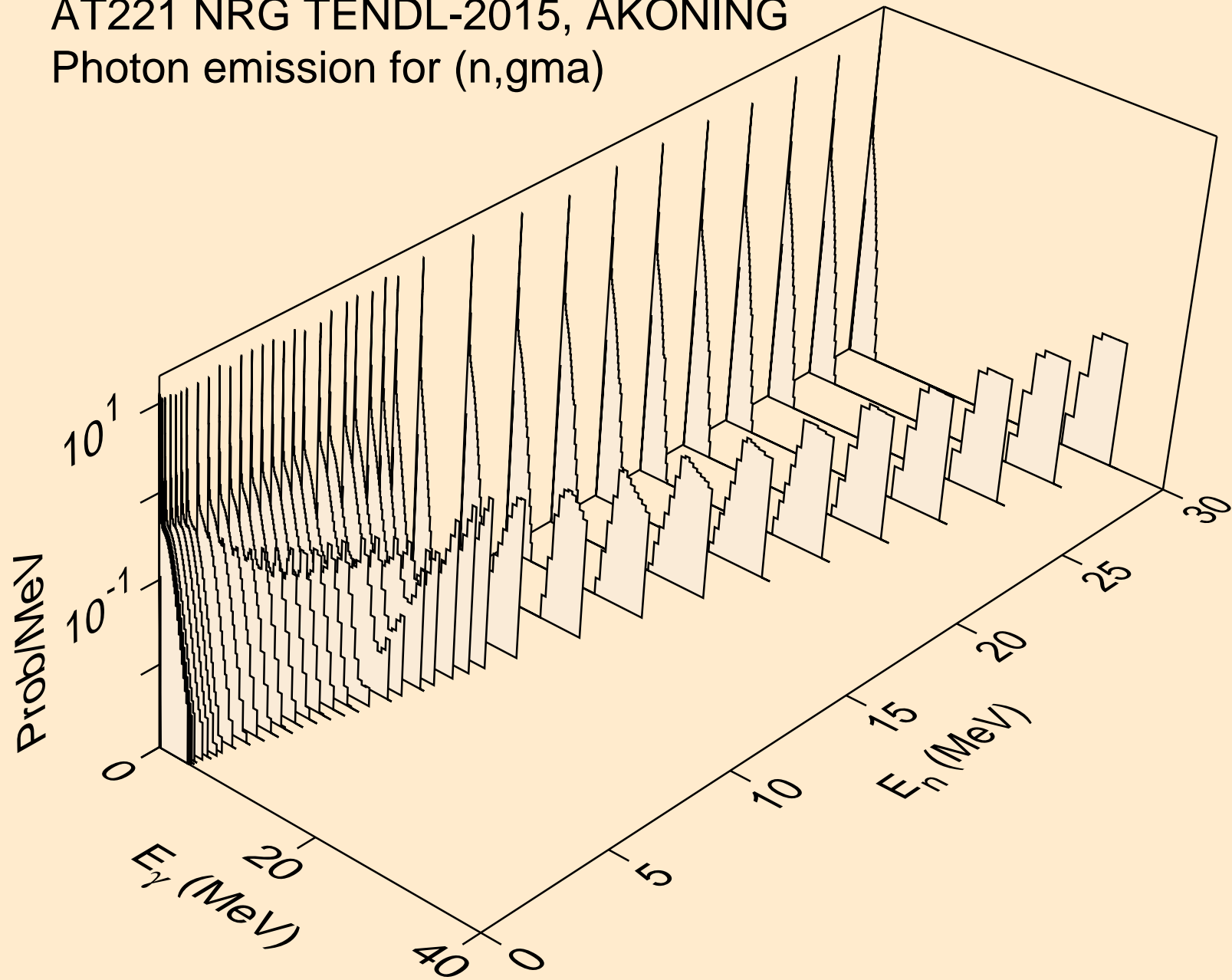


AT221 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)

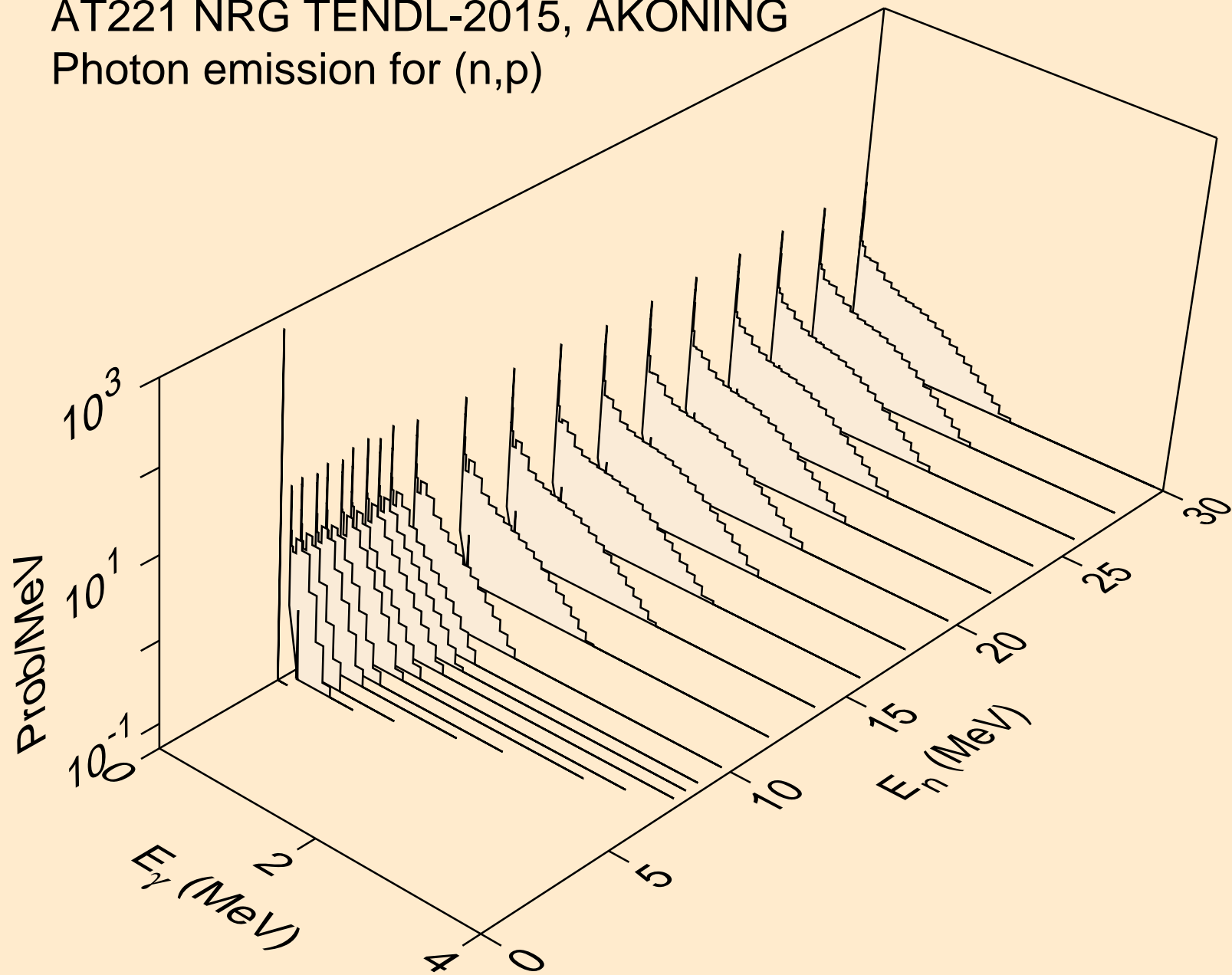




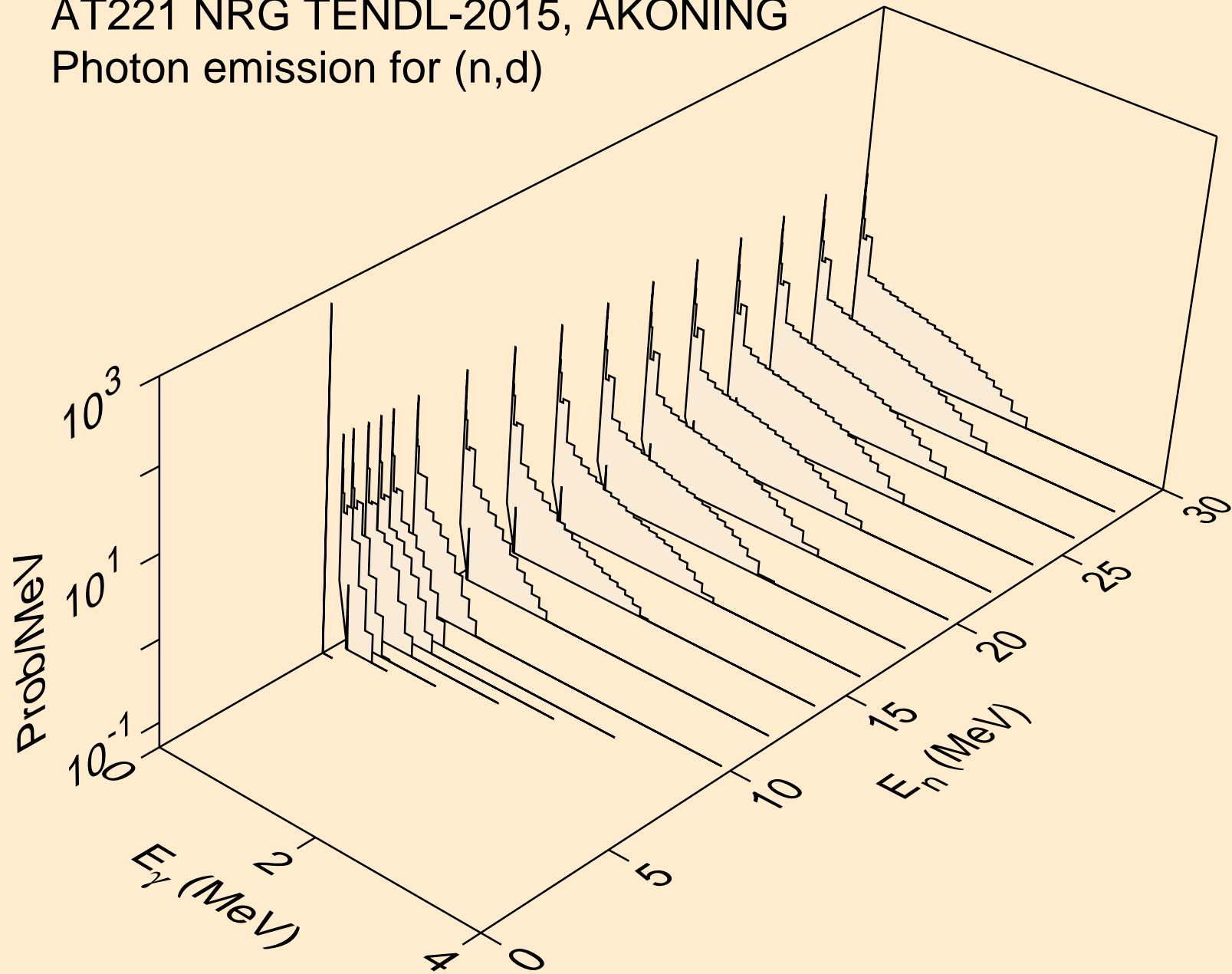
AT221 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



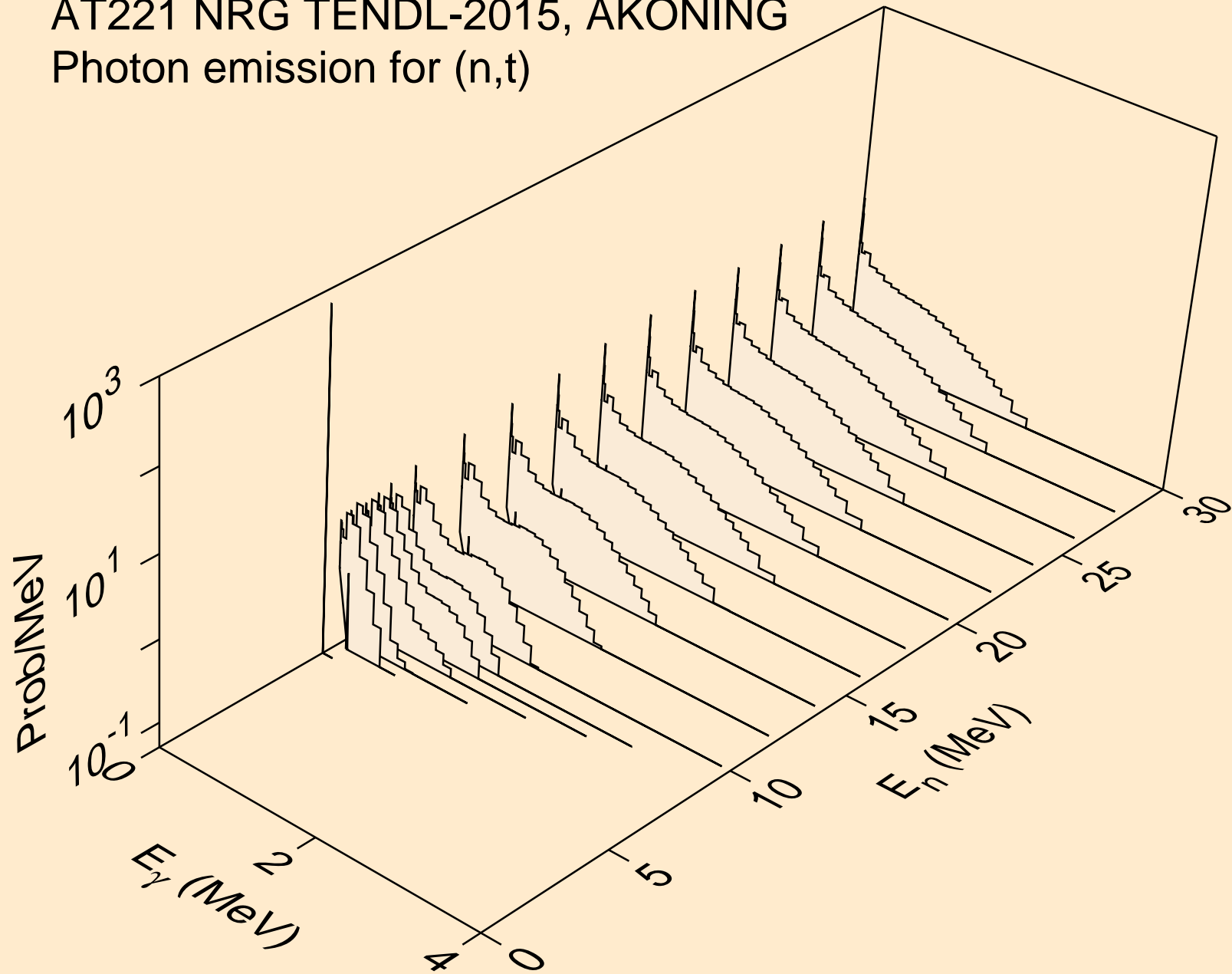
AT221 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



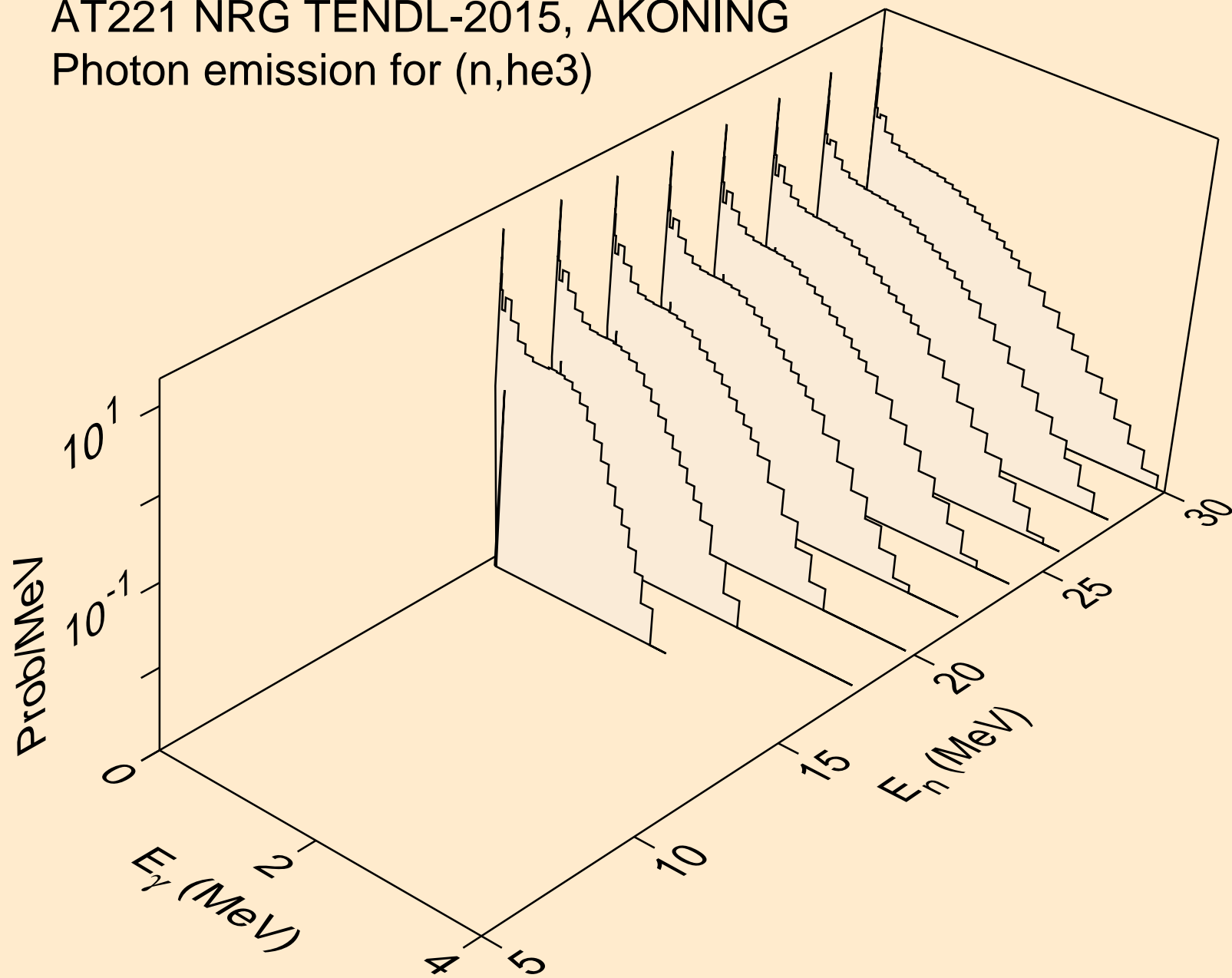
AT221 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



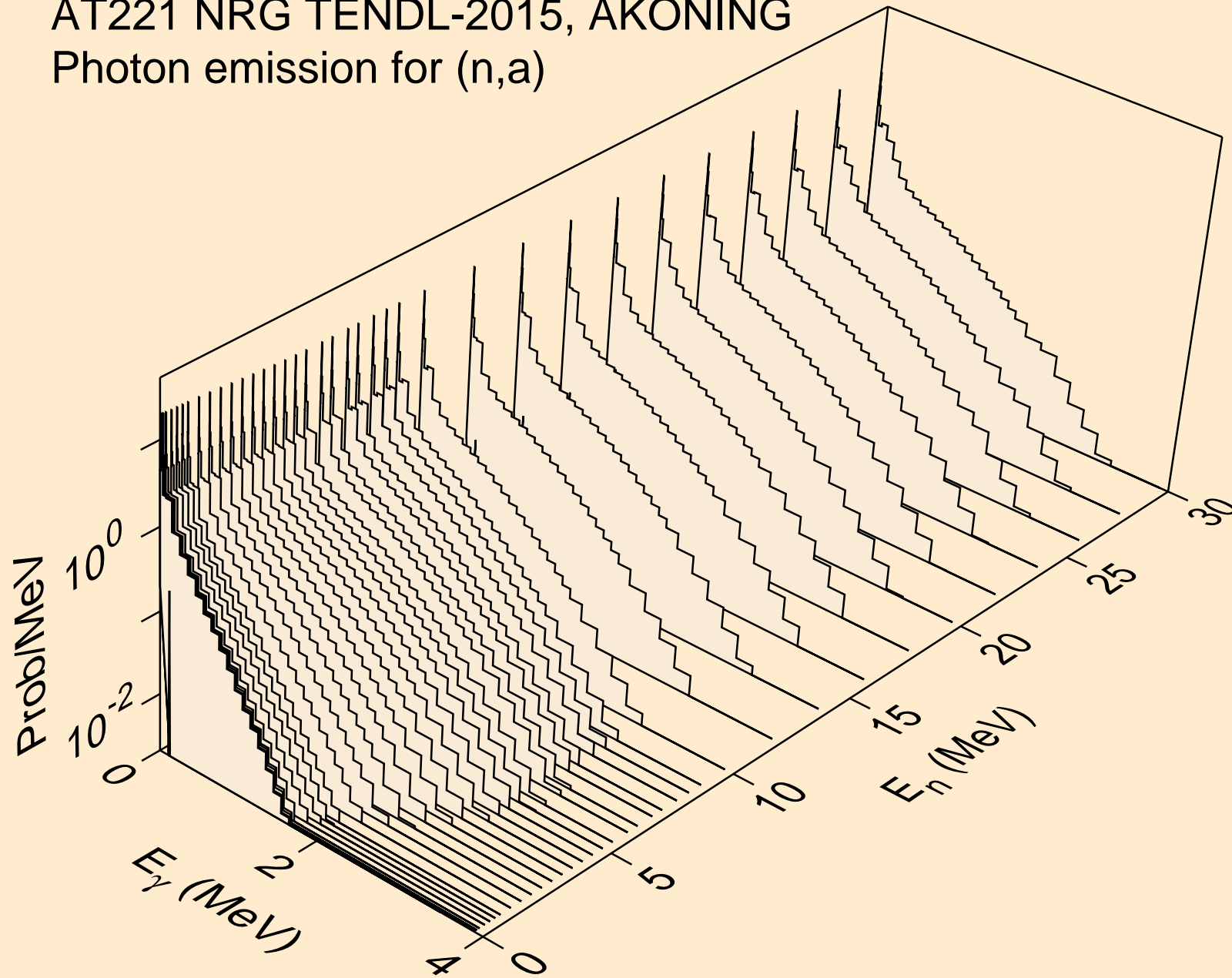
AT221 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



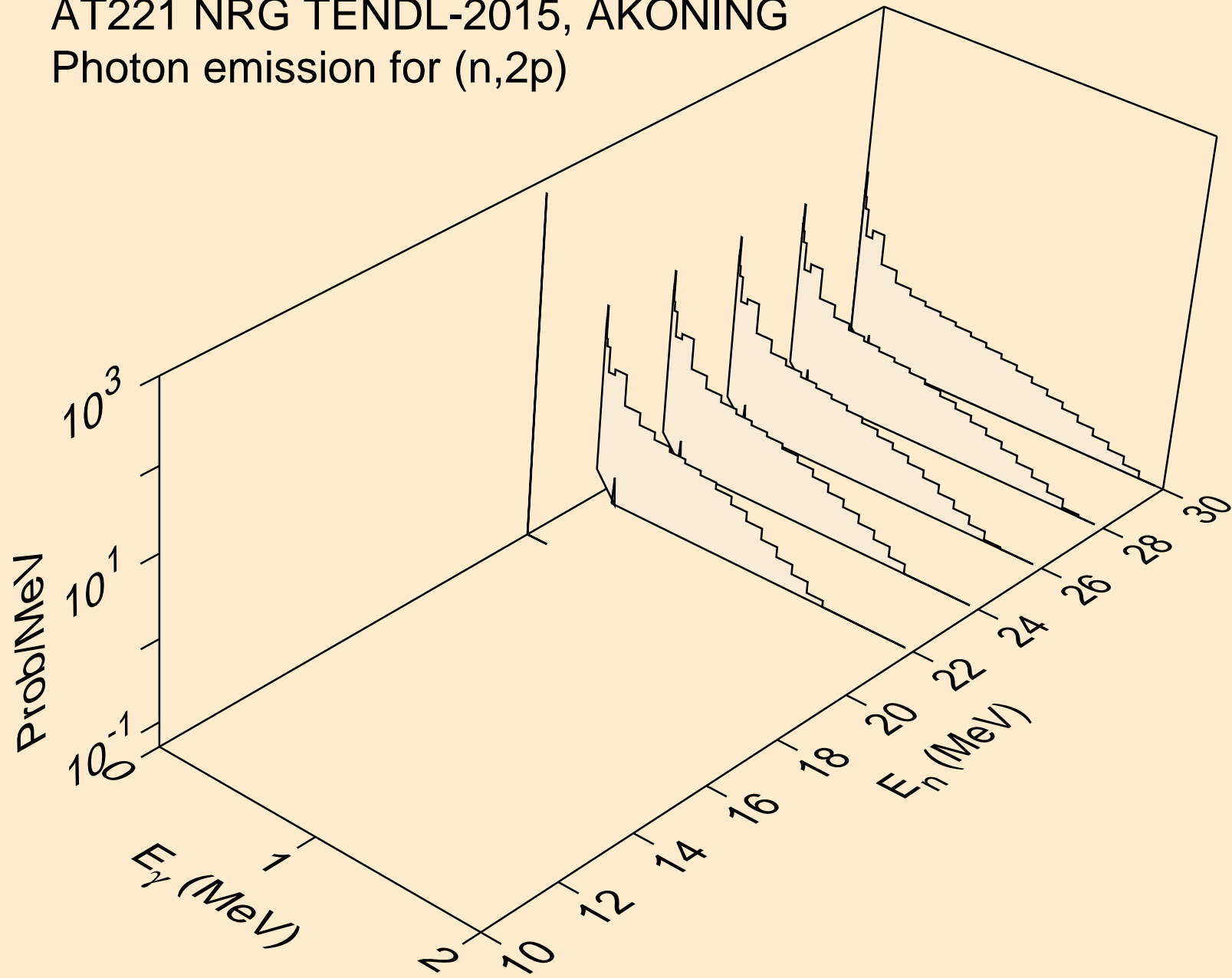
AT221 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



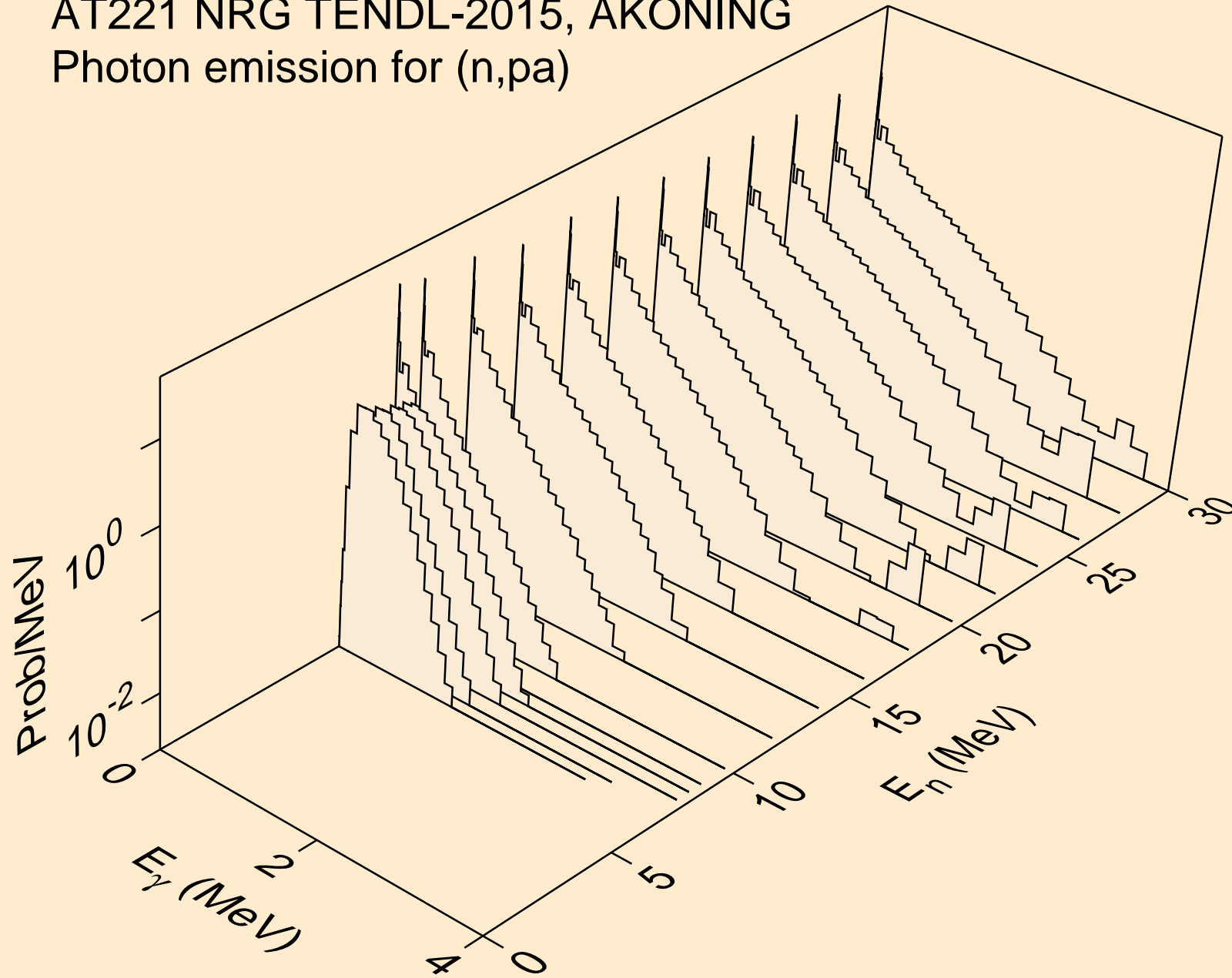
AT221 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



AT221 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)

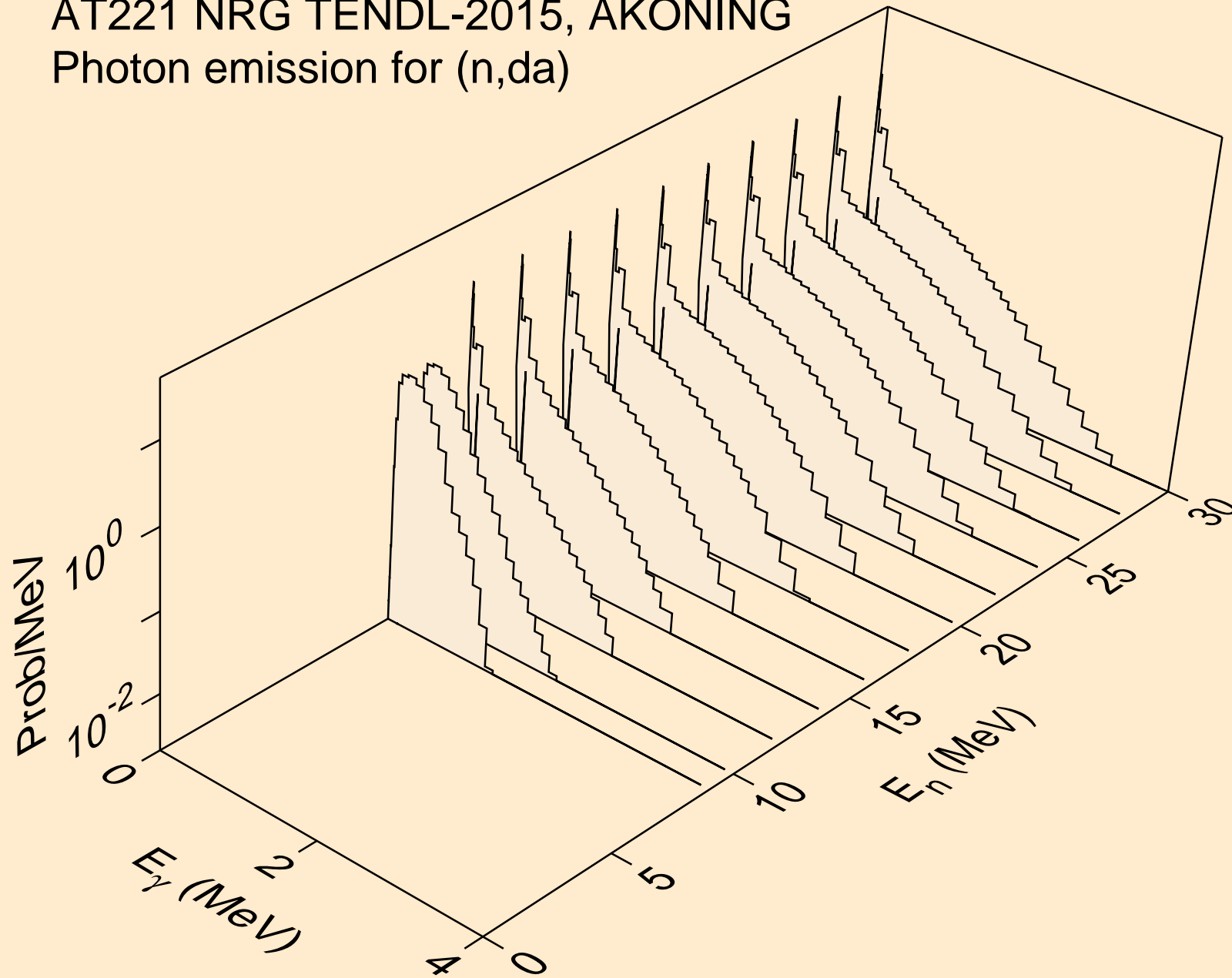


AT221 NRG TENDL-2015, AKONING  
Photon emission for (n,p $\alpha$ )

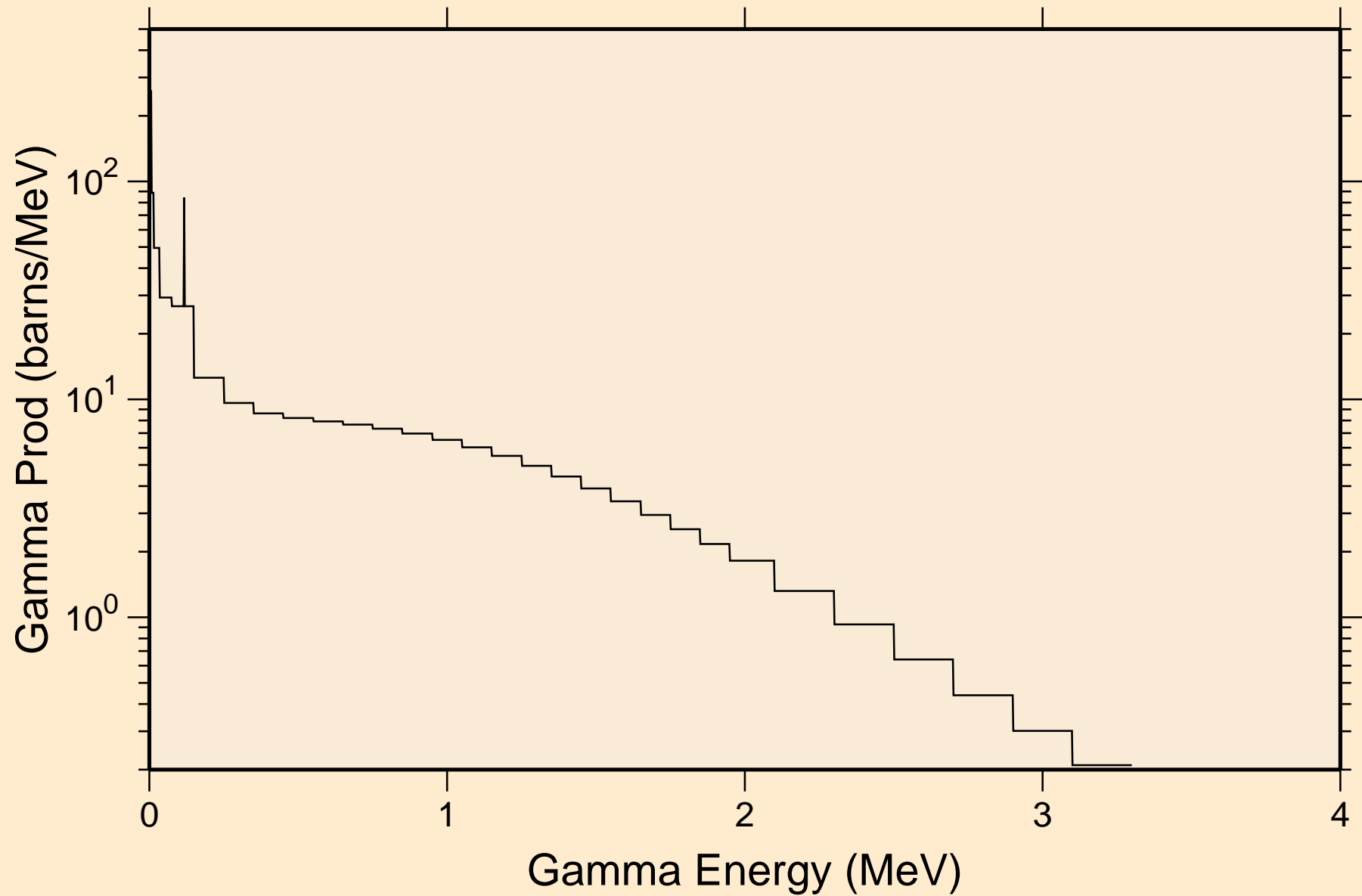




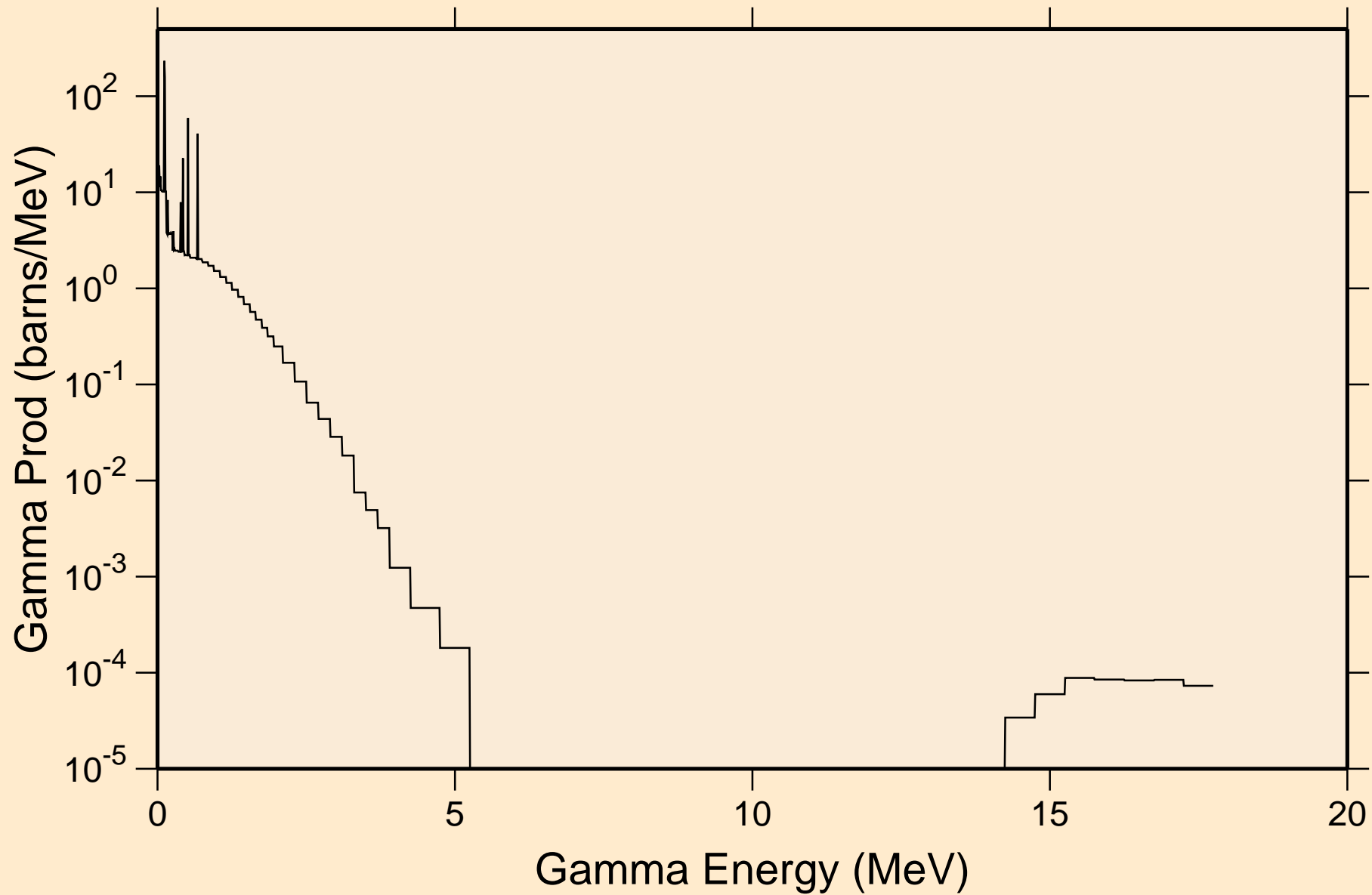
AT221 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



AT221 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

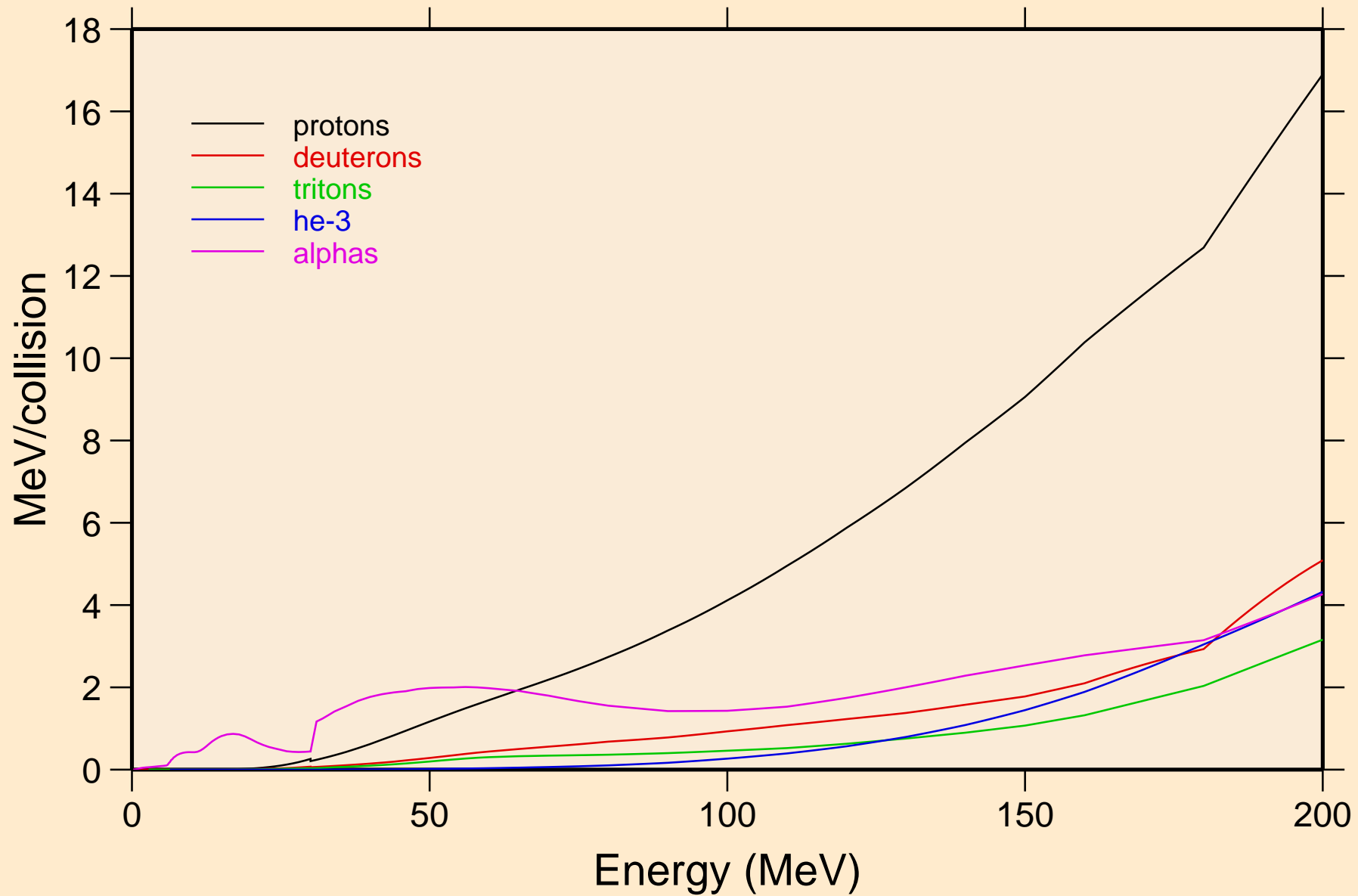


AT221 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



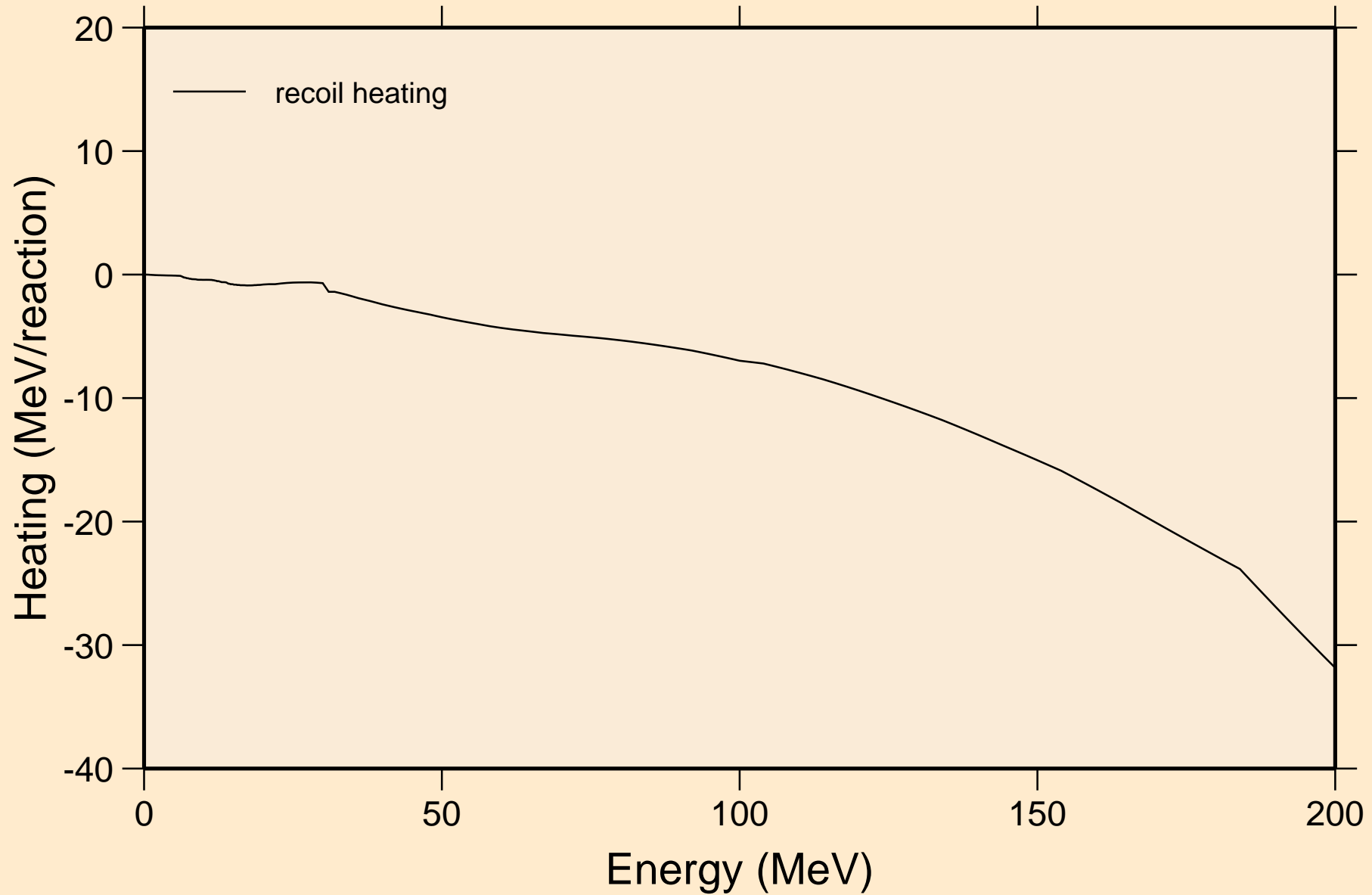
# AT221 NRG TENDL-2015, AKONING

## Particle heating contributions



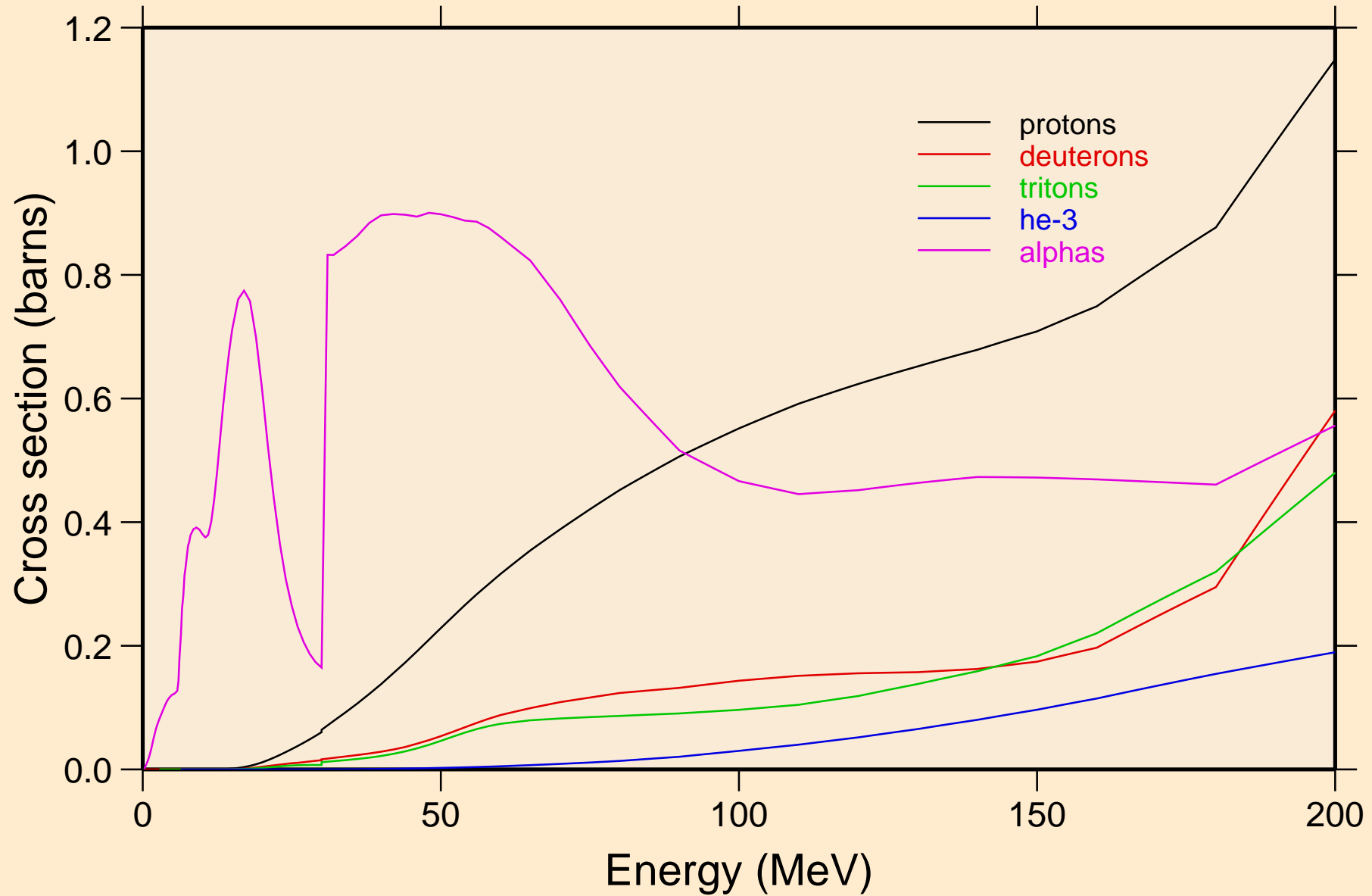
# AT221 NRG TENDL-2015, AKONING

## Recoil Heating

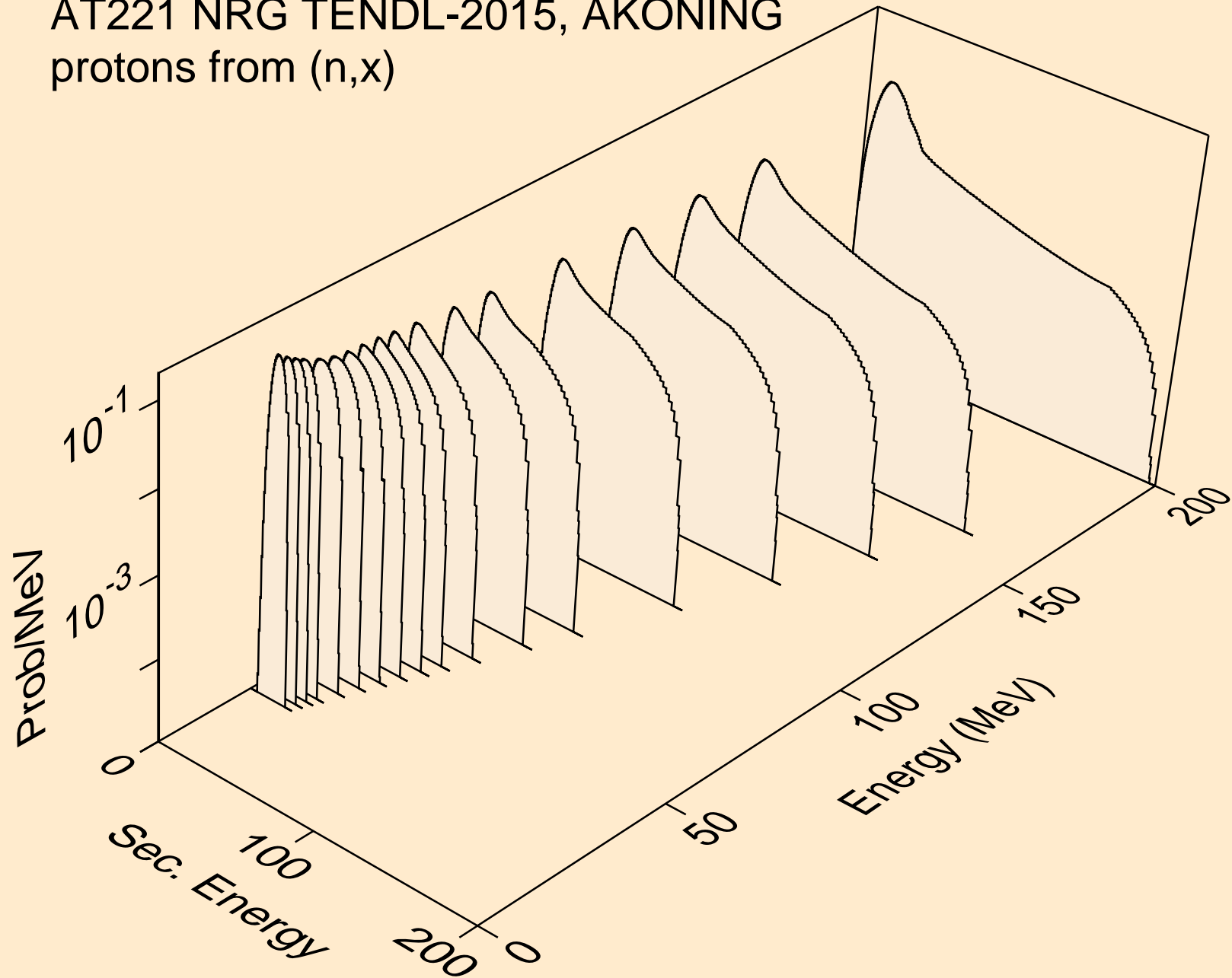


# AT221 NRG TENDL-2015, AKONING

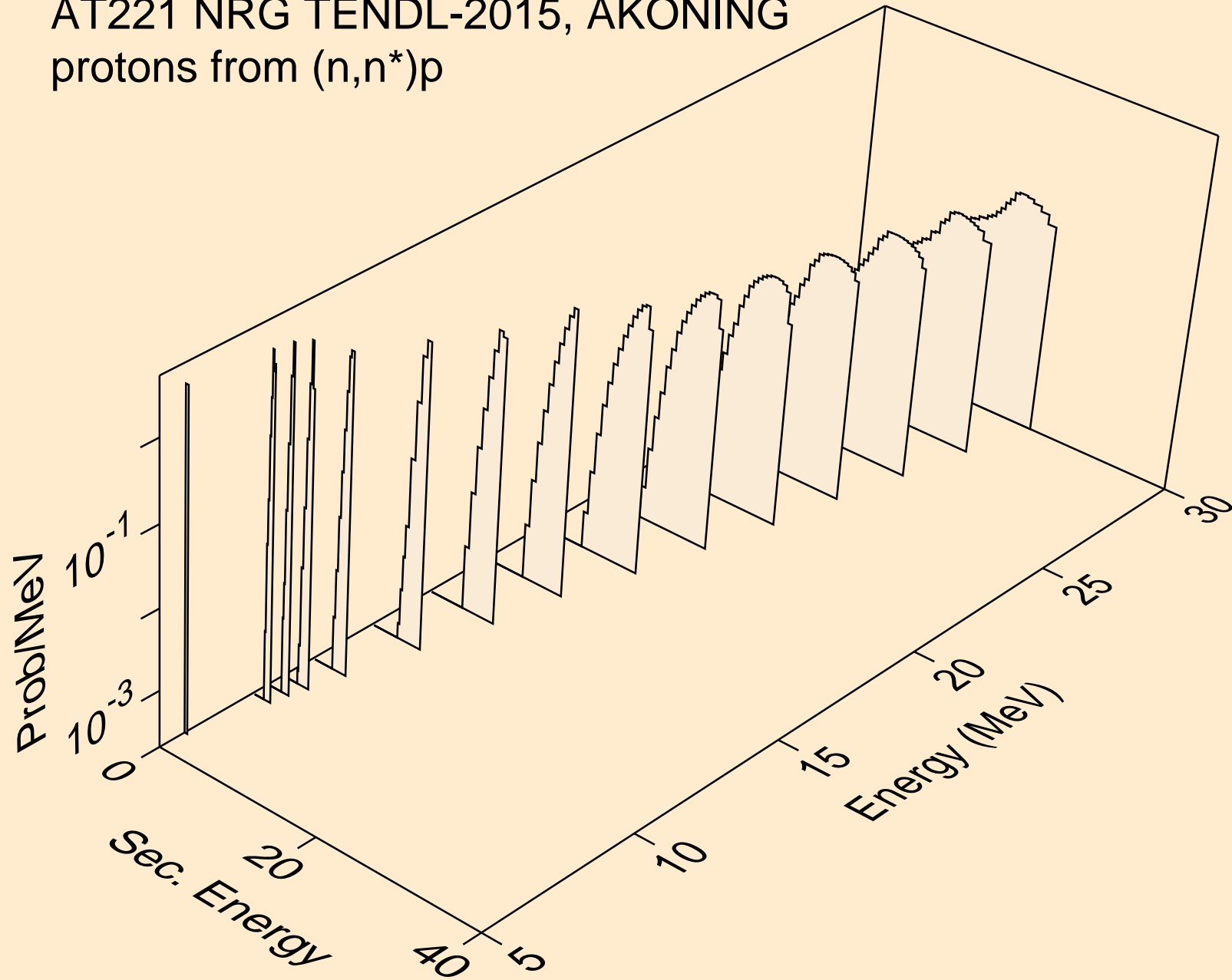
## Particle production cross sections



AT221 NRG TENDL-2015, AKONING  
protons from (n,x)

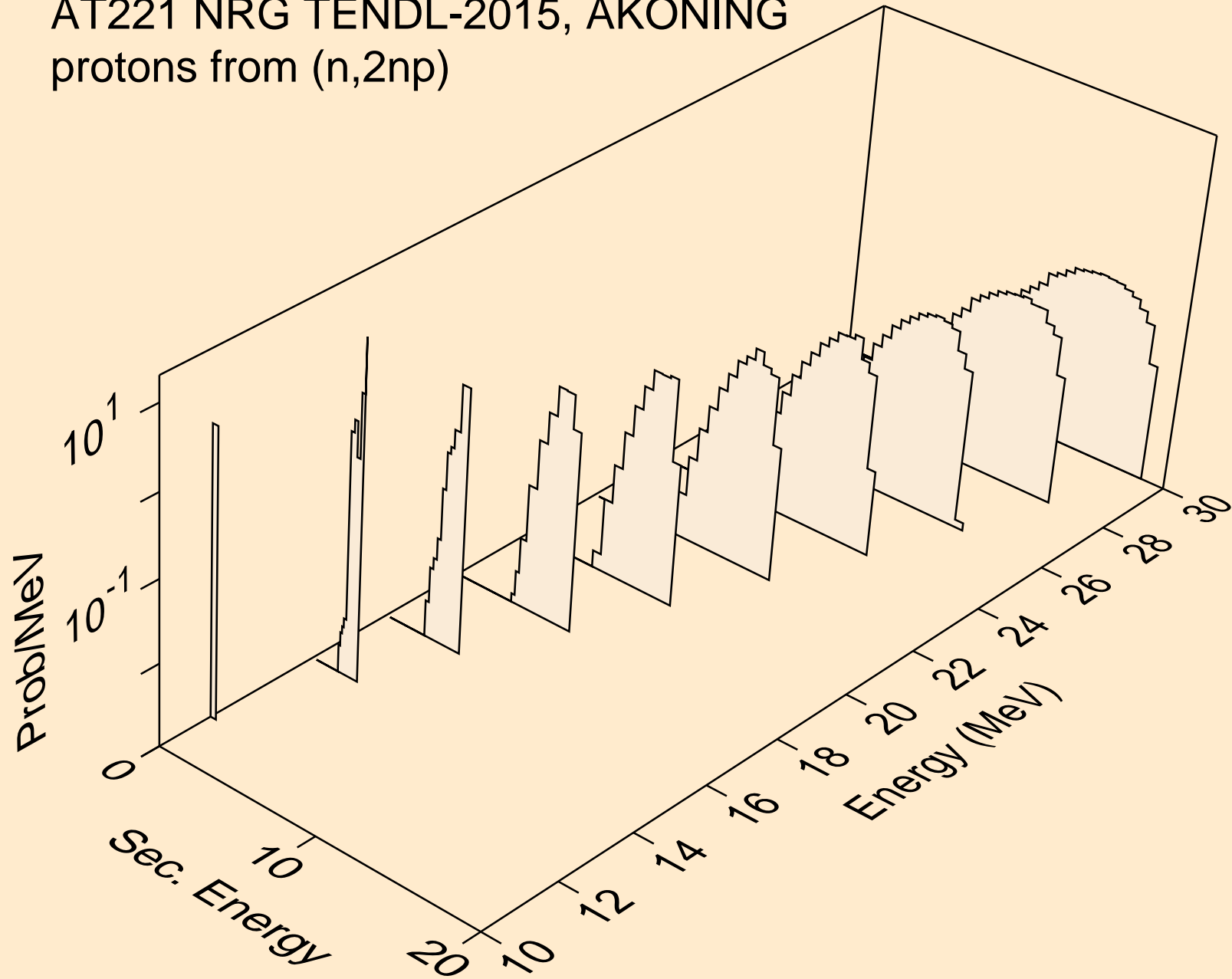


AT221 NRG TENDL-2015, AKONING  
protons from (n,n\*)p

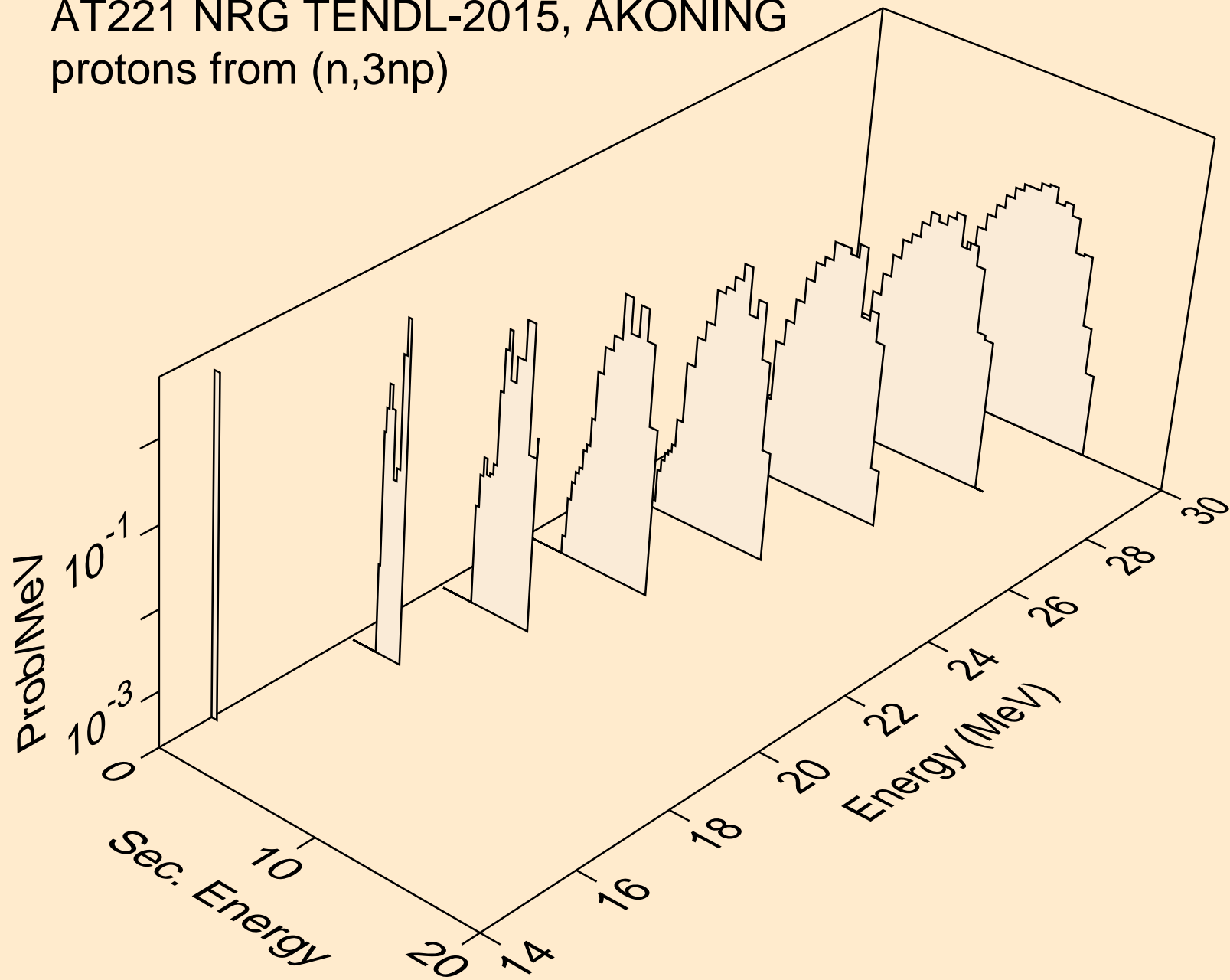




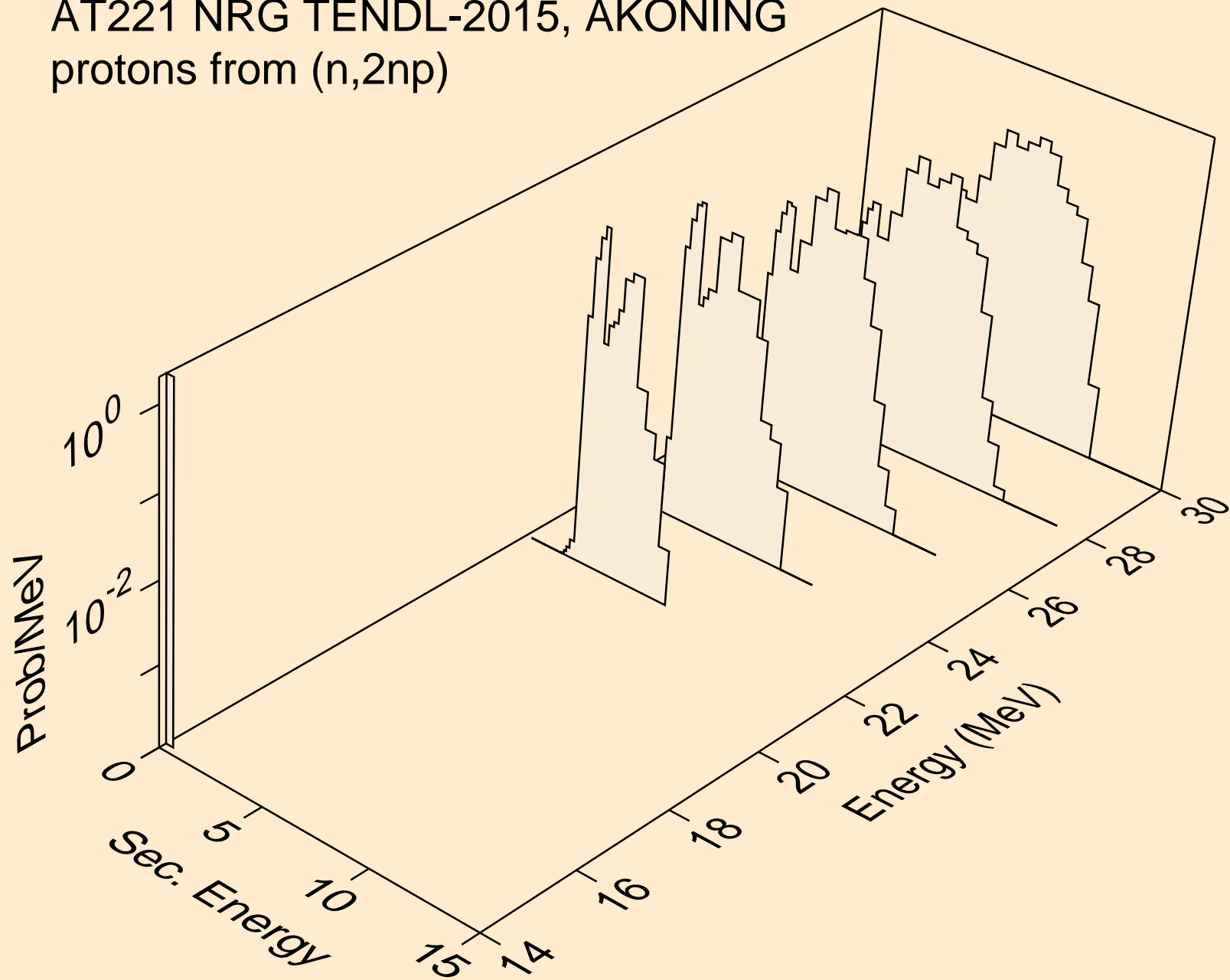
AT221 NRG TENDL-2015, AKONING  
protons from (n,2np)



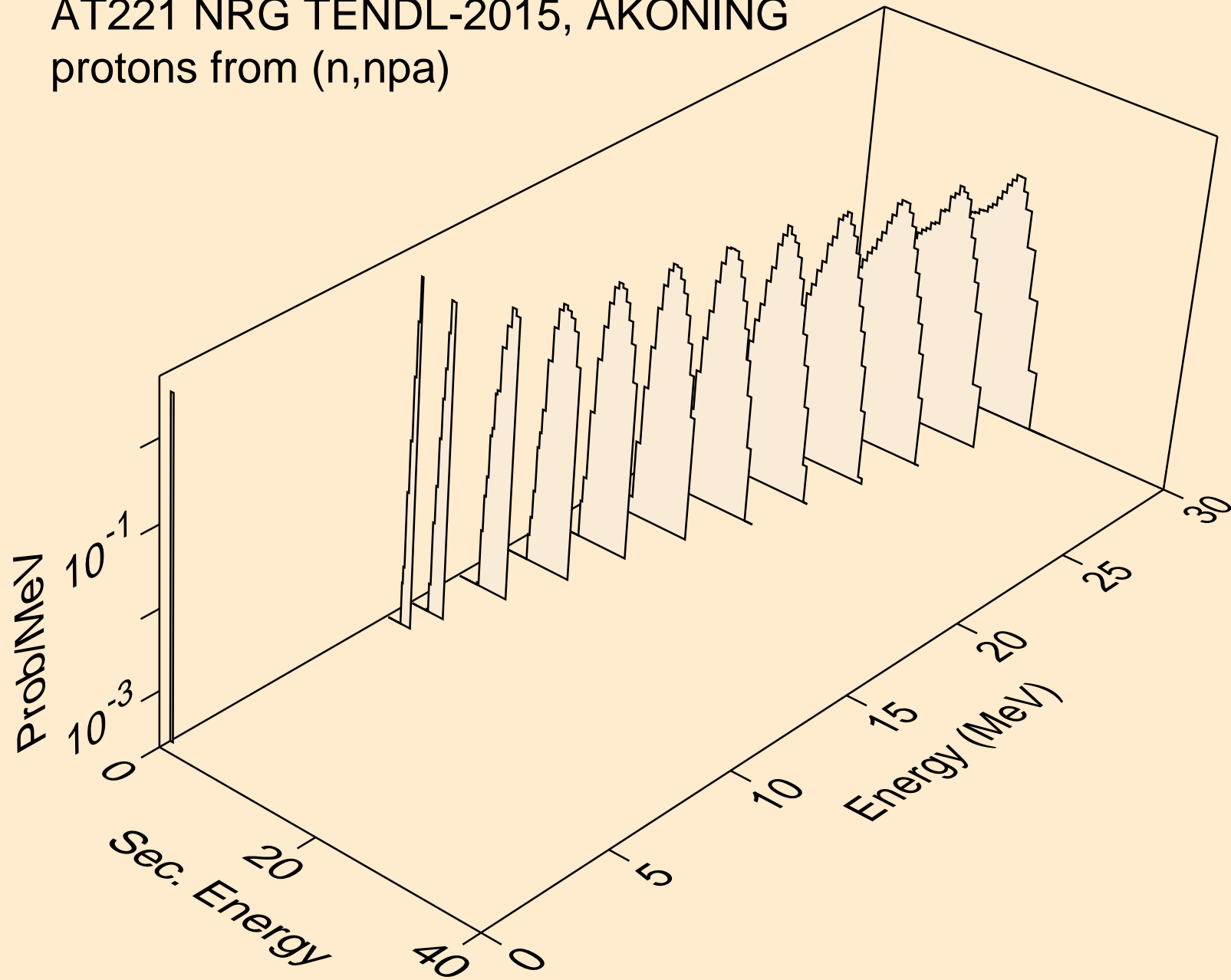
AT221 NRG TENDL-2015, AKONING  
protons from (n,3np)



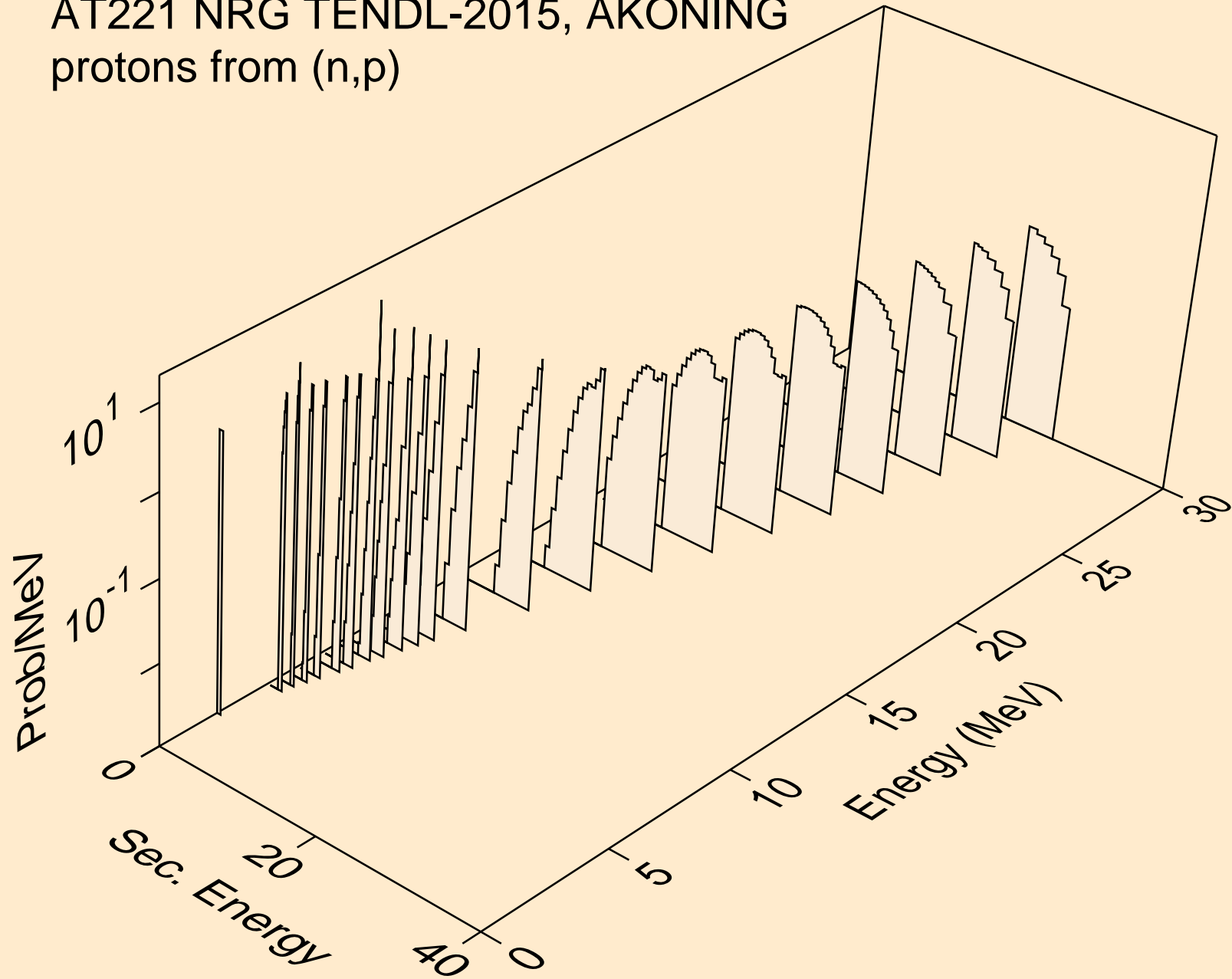
AT221 NRG TENDL-2015, AKONING  
protons from (n,2np)



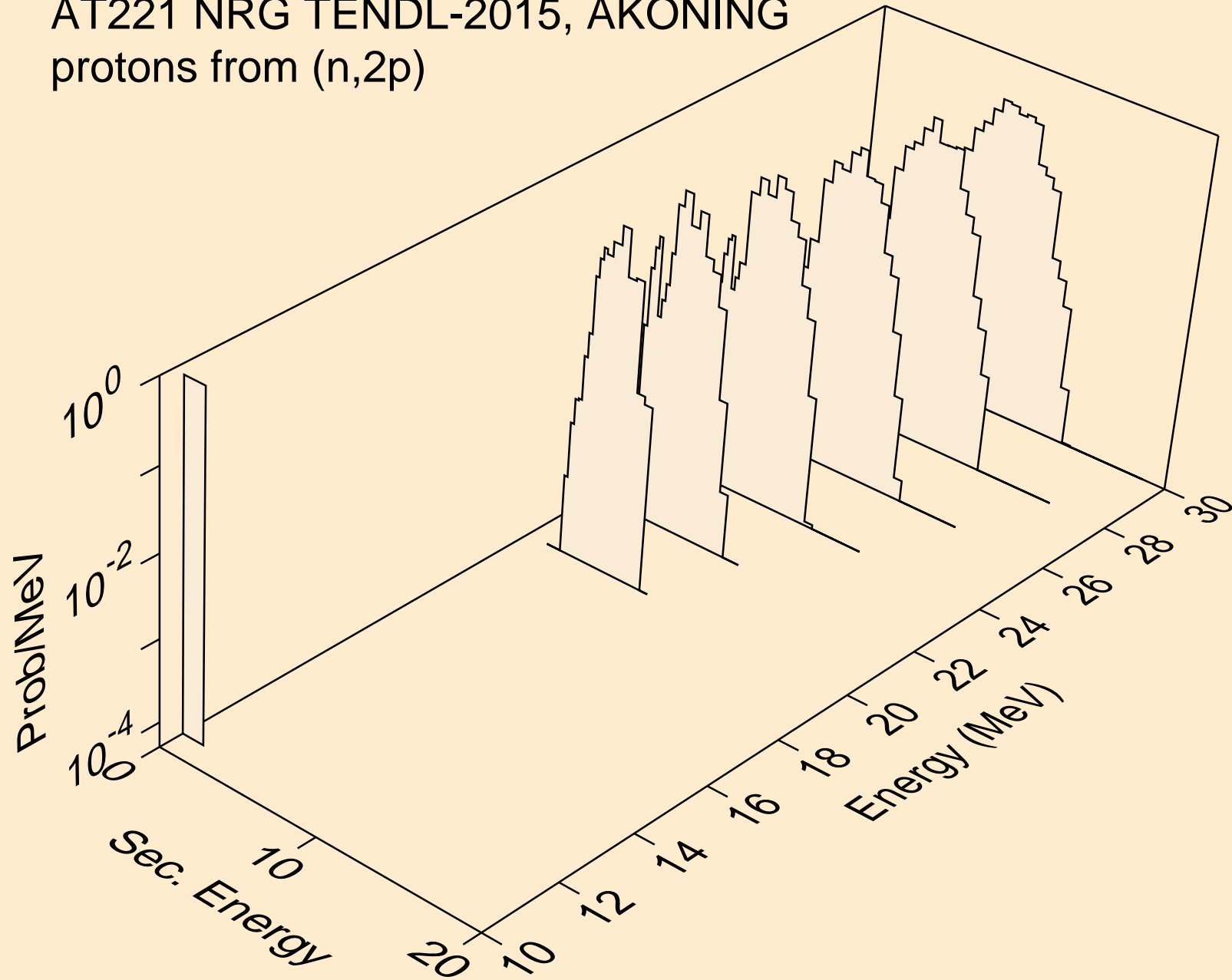
AT221 NRG TENDL-2015, AKONING  
protons from (n,npa)



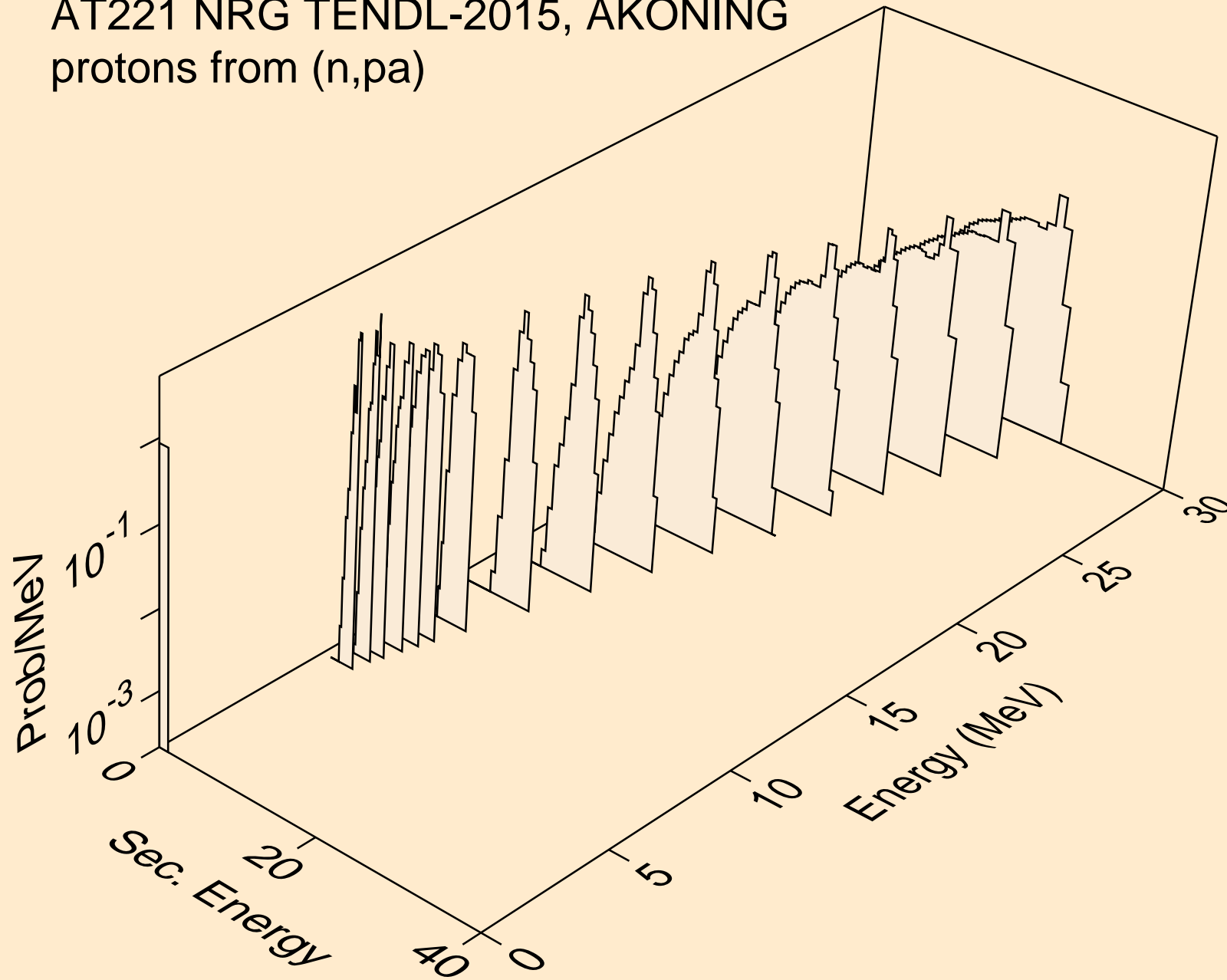
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protons from (n,p)



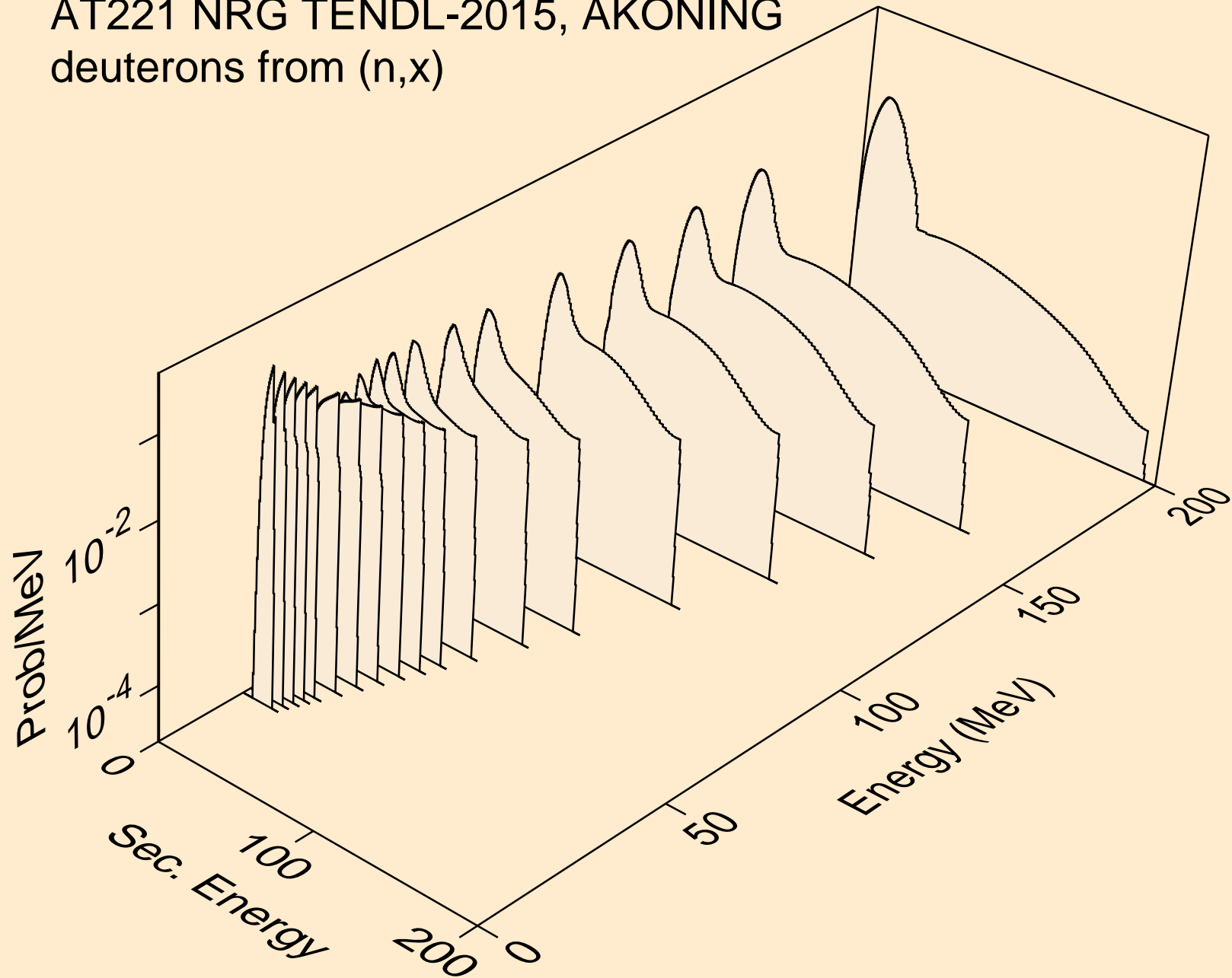
AT221 NRG TENDL-2015, AKONING  
protons from (n,2p)



AT221 NRG TENDL-2015, AKONING  
protons from (n,pa)

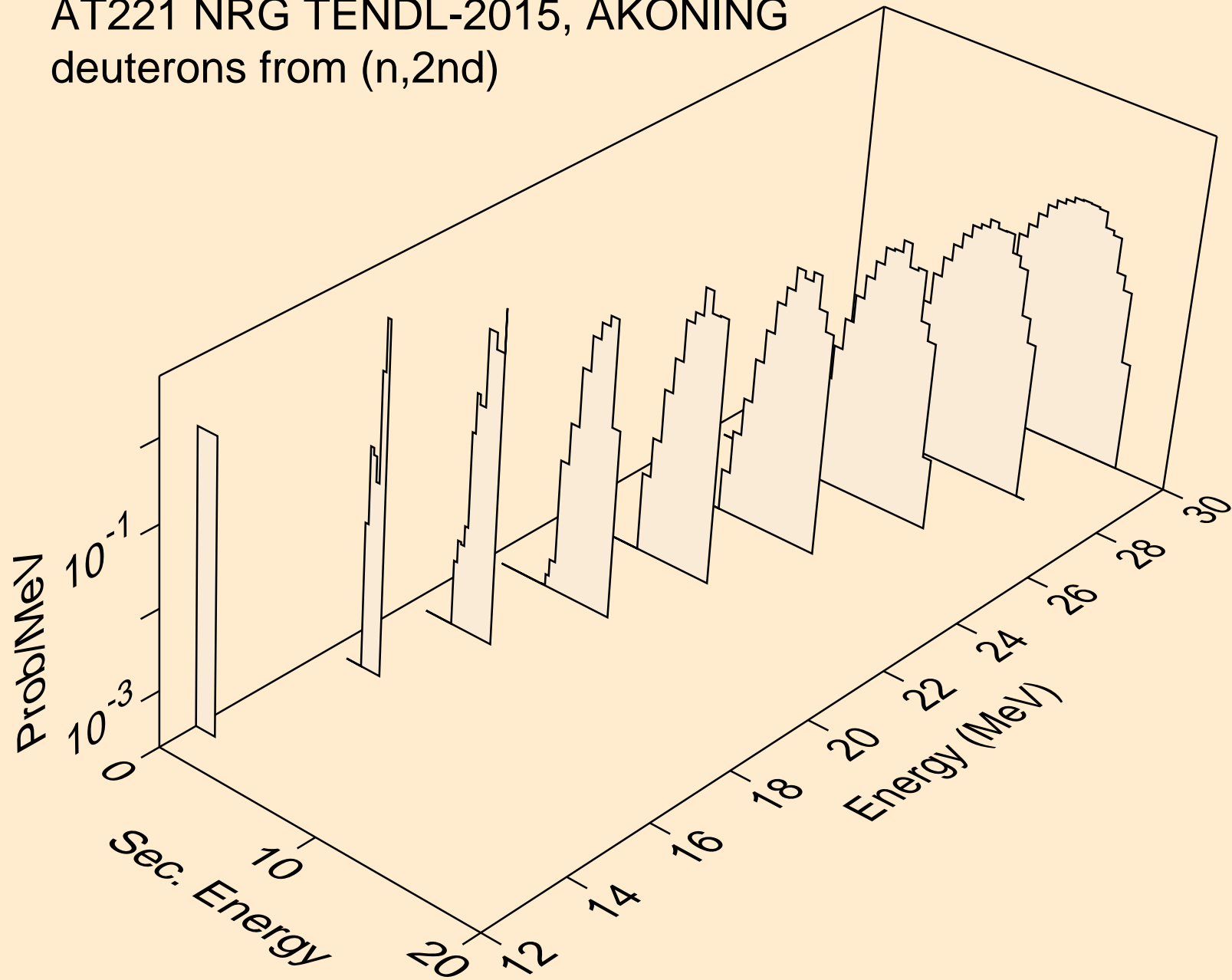


AT221 NRG TENDL-2015, AKONING  
deuterons from (n,x)

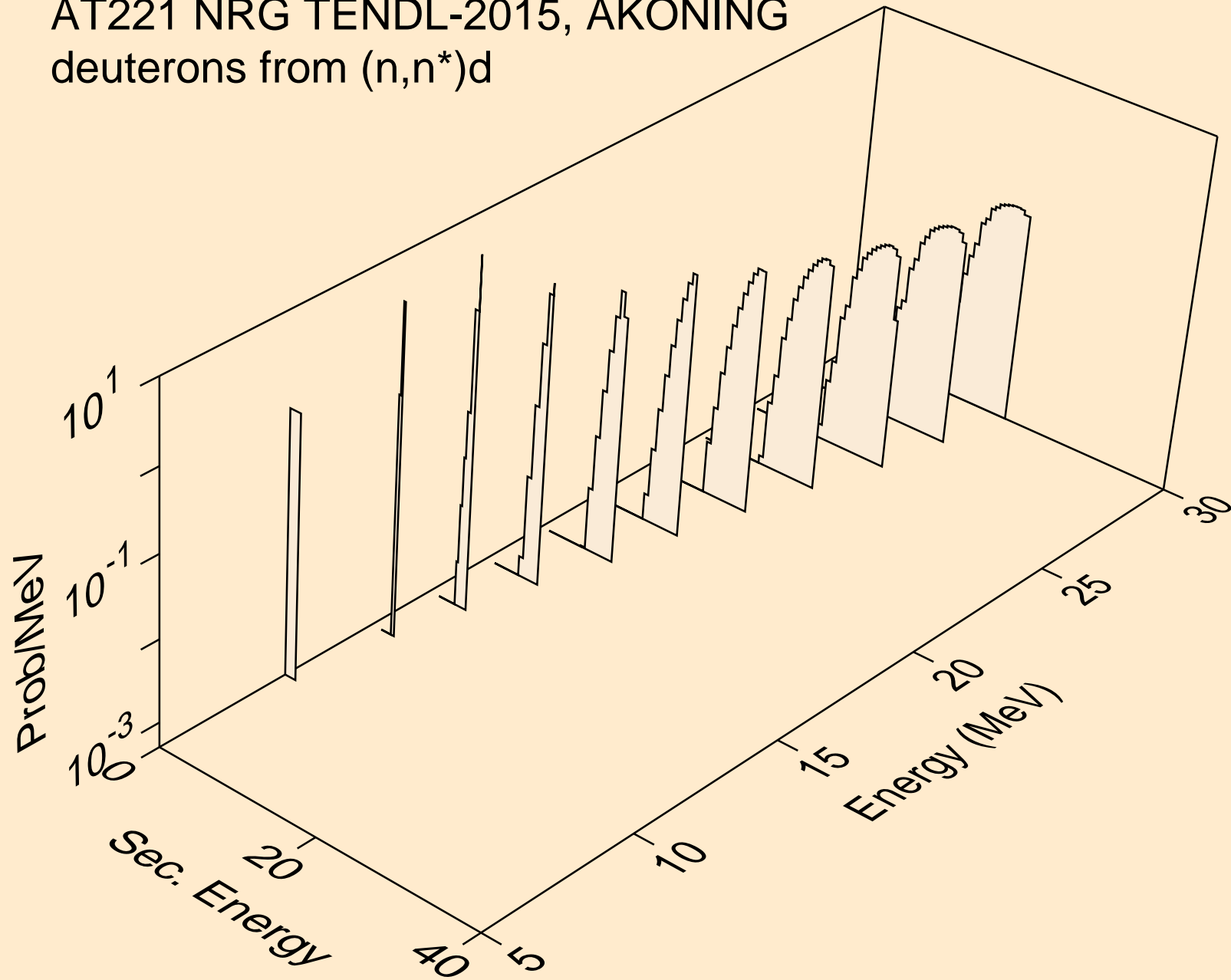




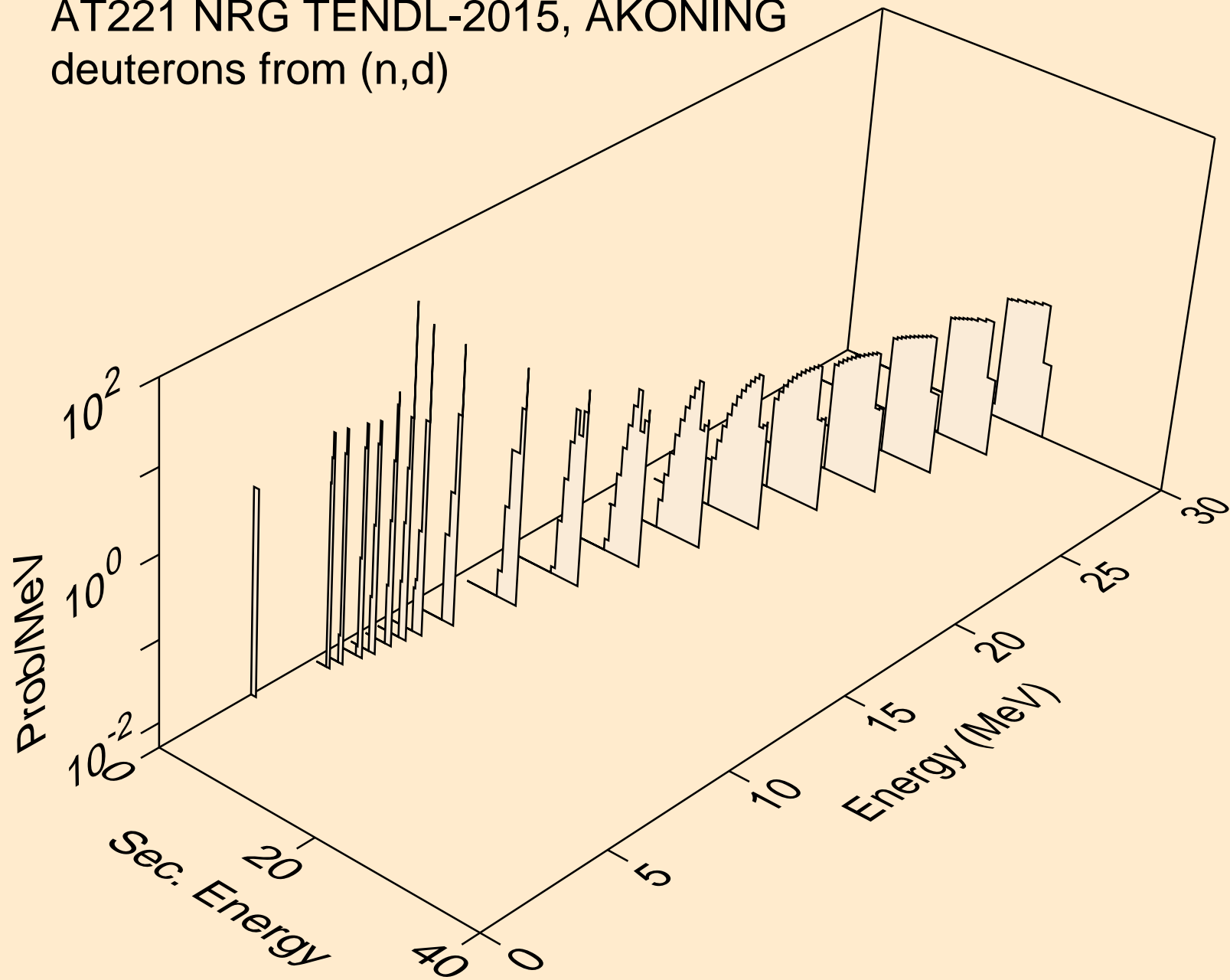
AT221 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



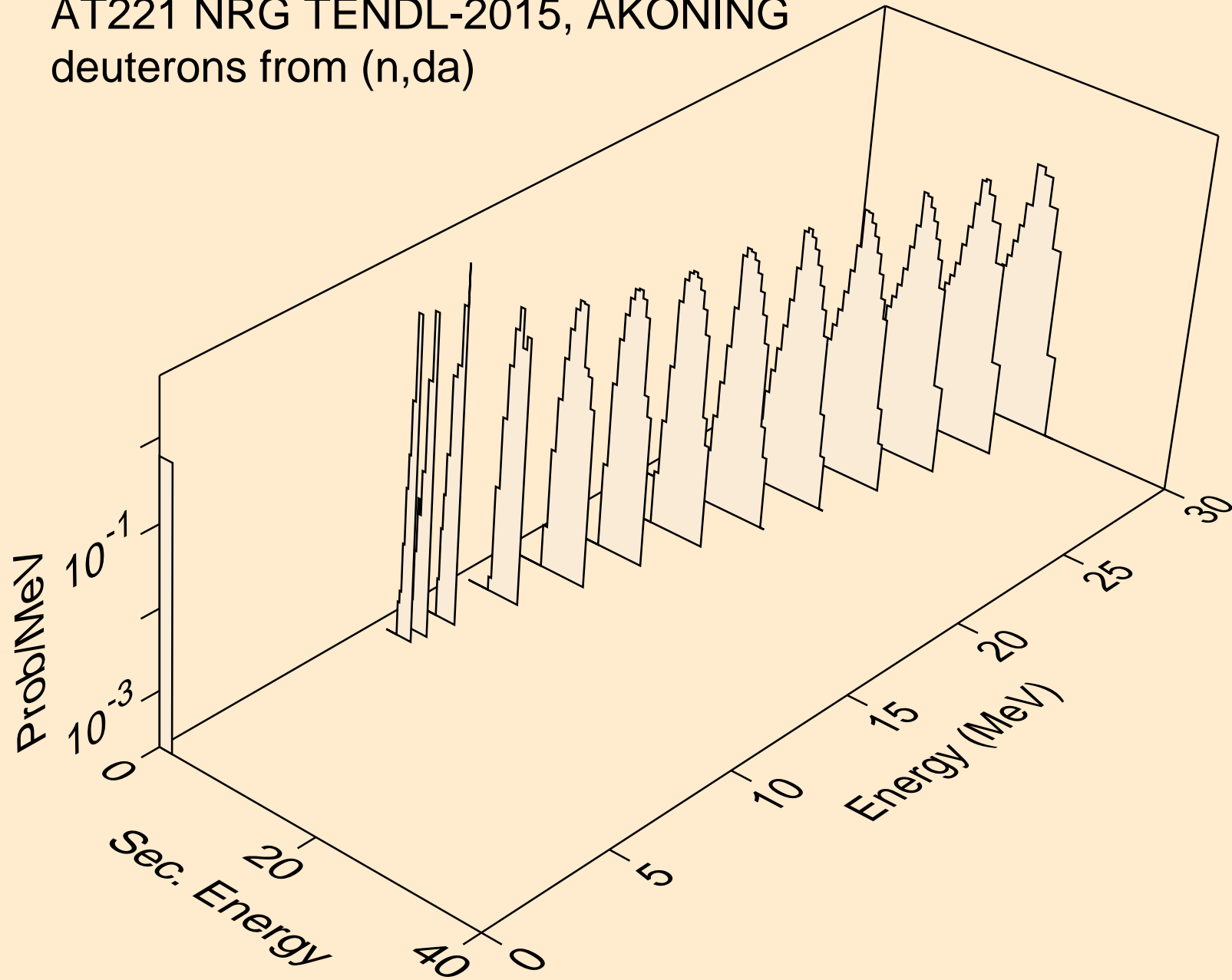
AT221 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



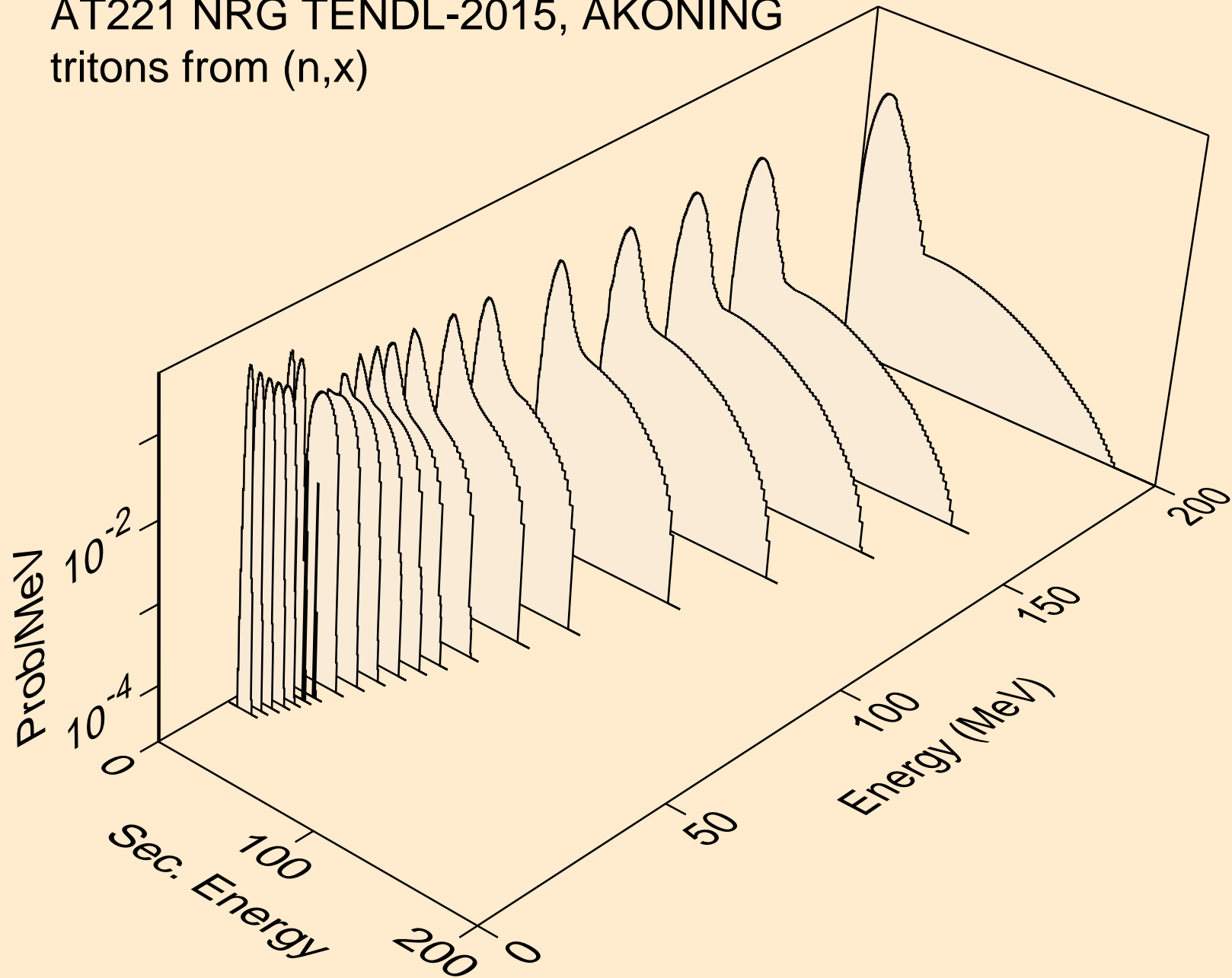
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deuterons from (n,d)



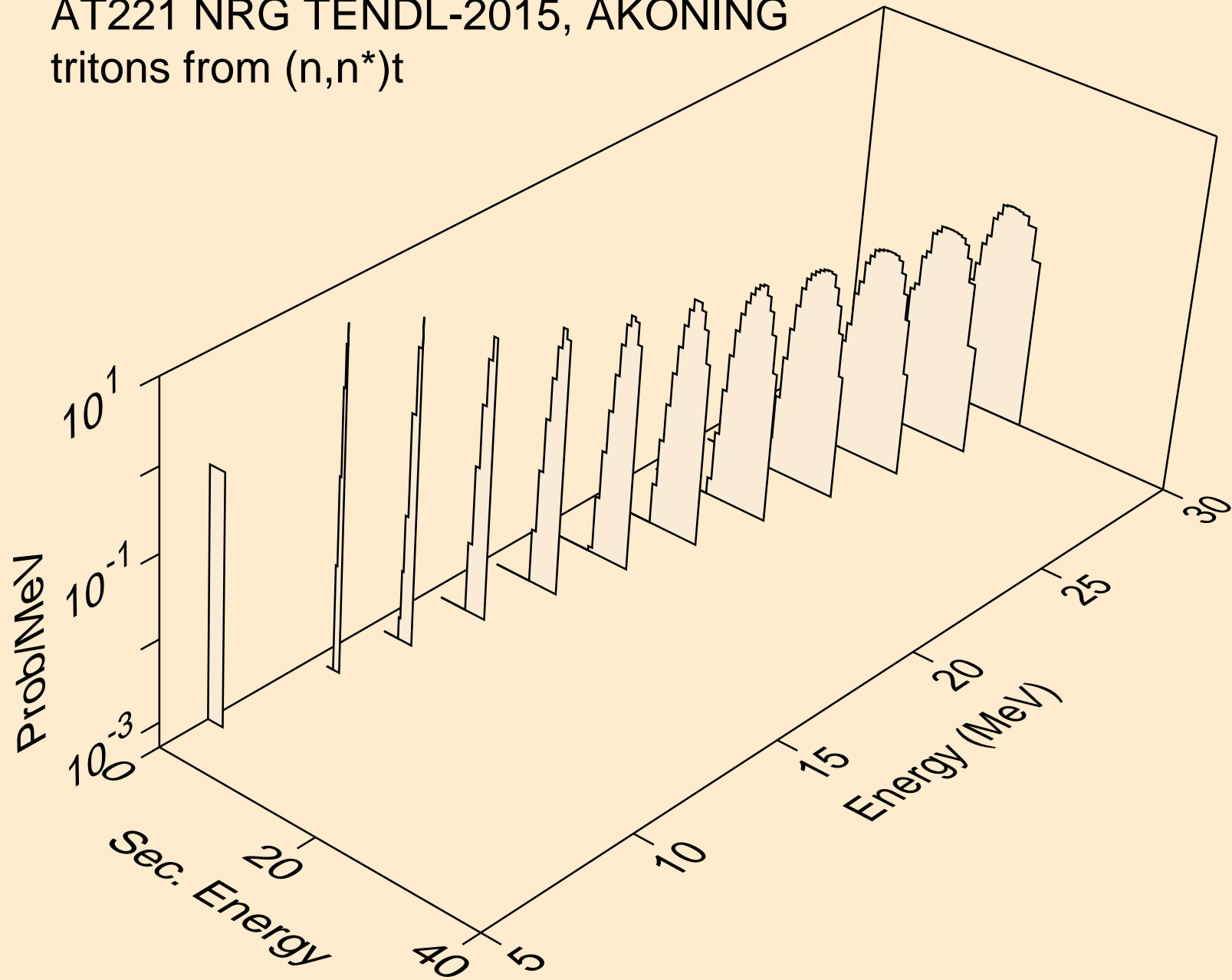
AT221 NRG TENDL-2015, AKONING  
deuterons from (n,da)



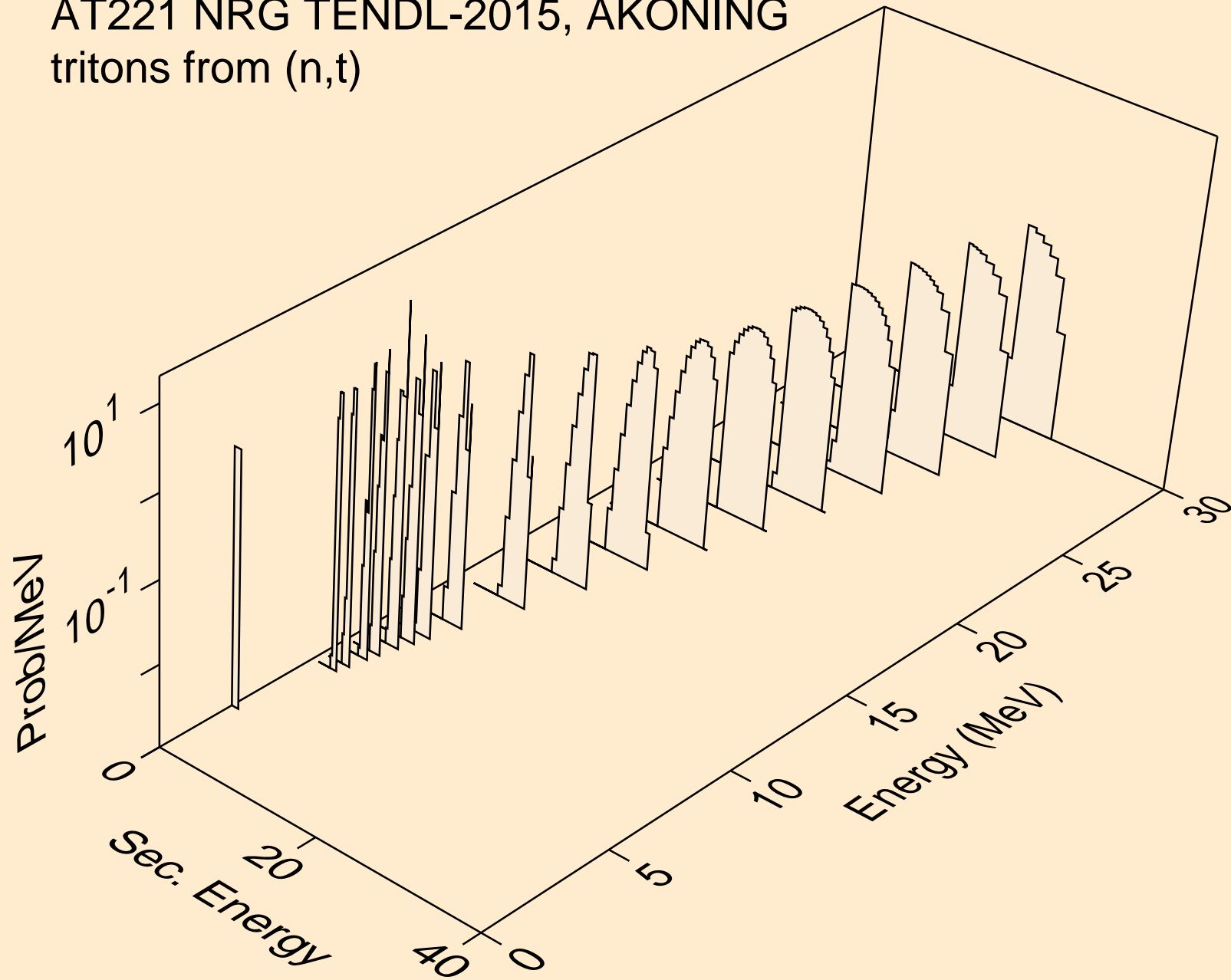
AT221 NRG TENDL-2015, AKONING  
tritons from (n,x)



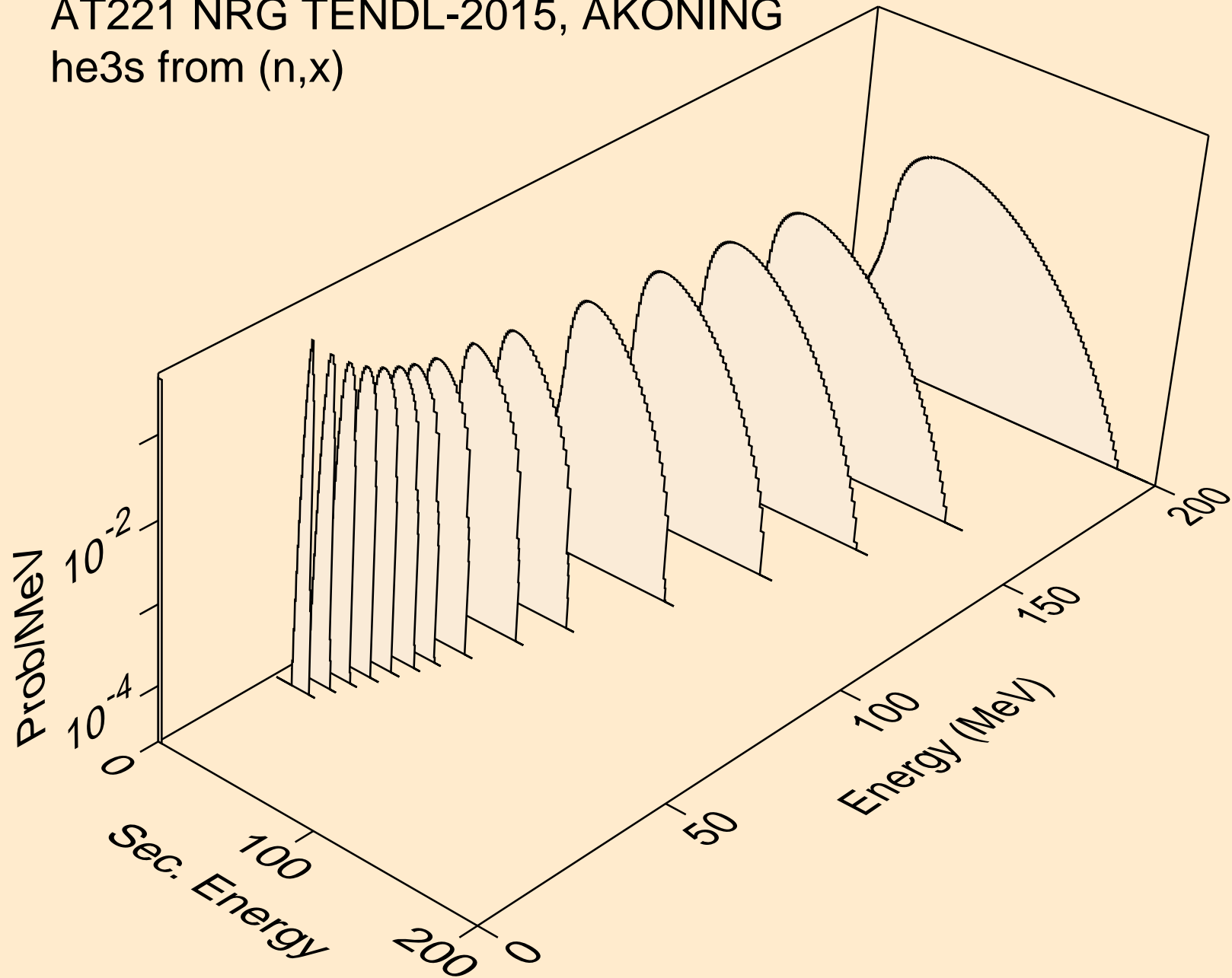
AT221 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



AT221 NRG TENDL-2015, AKONING  
tritons from (n,t)

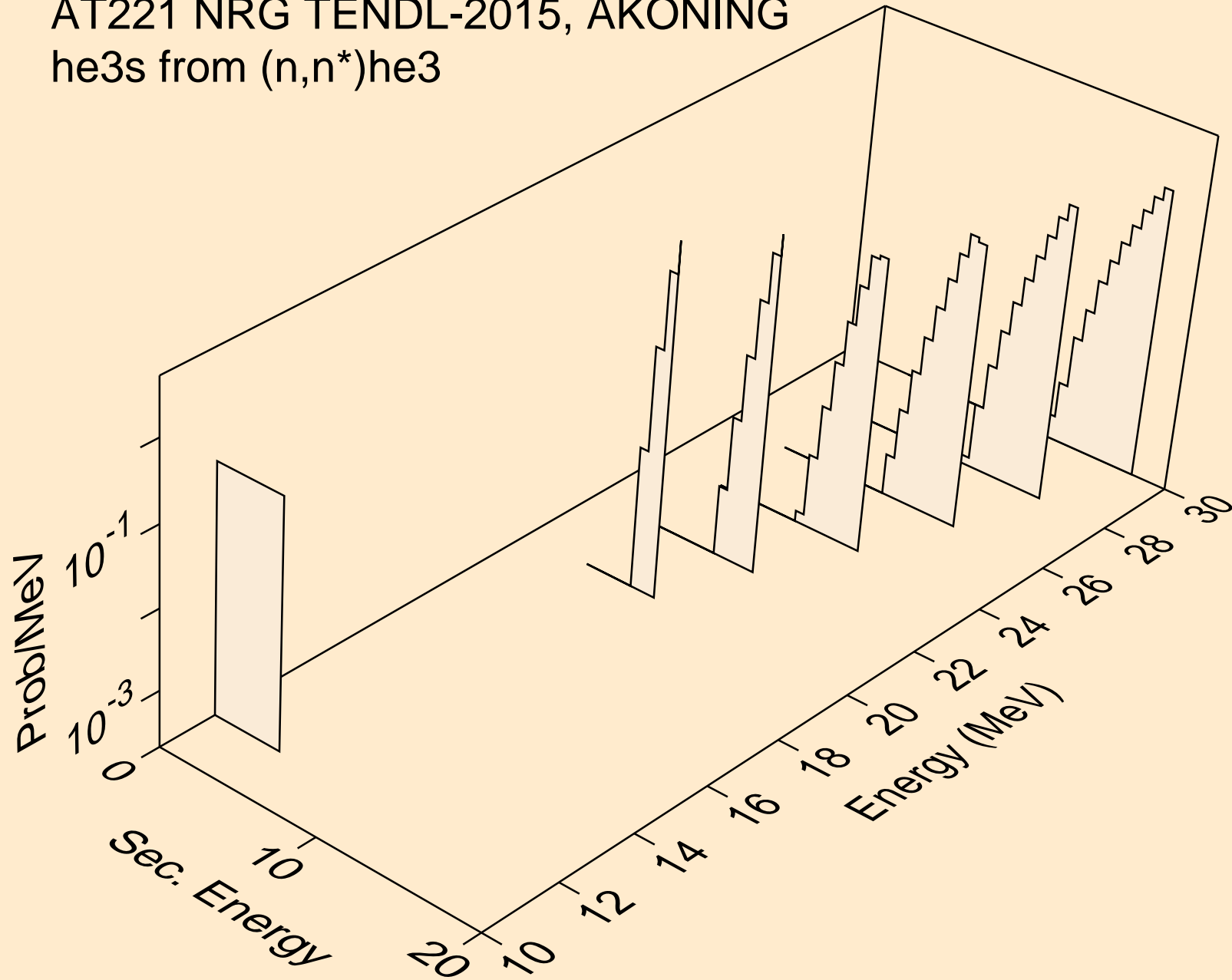


AT221 NRG TENDL-2015, AKONING  
he3s from (n,x)

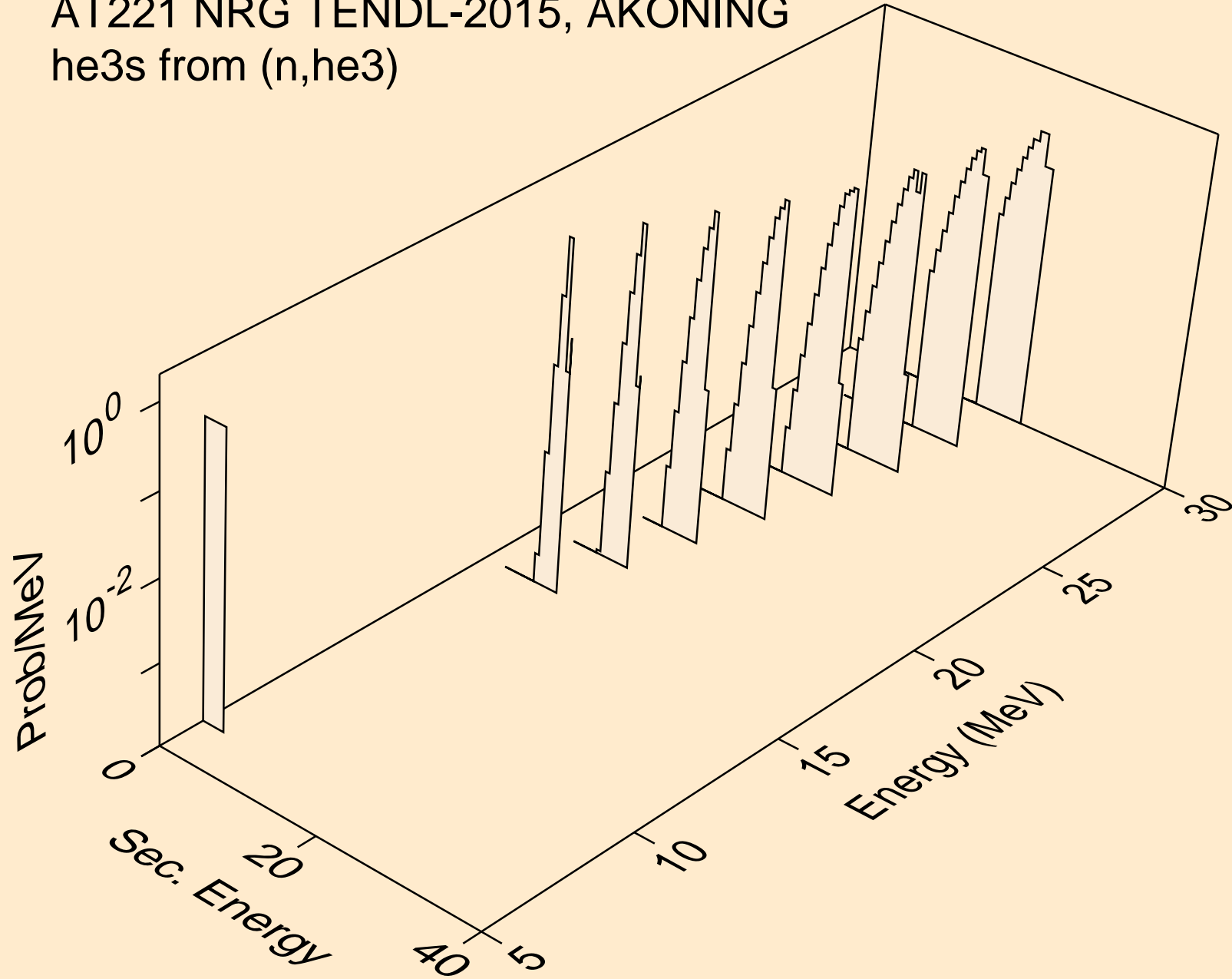




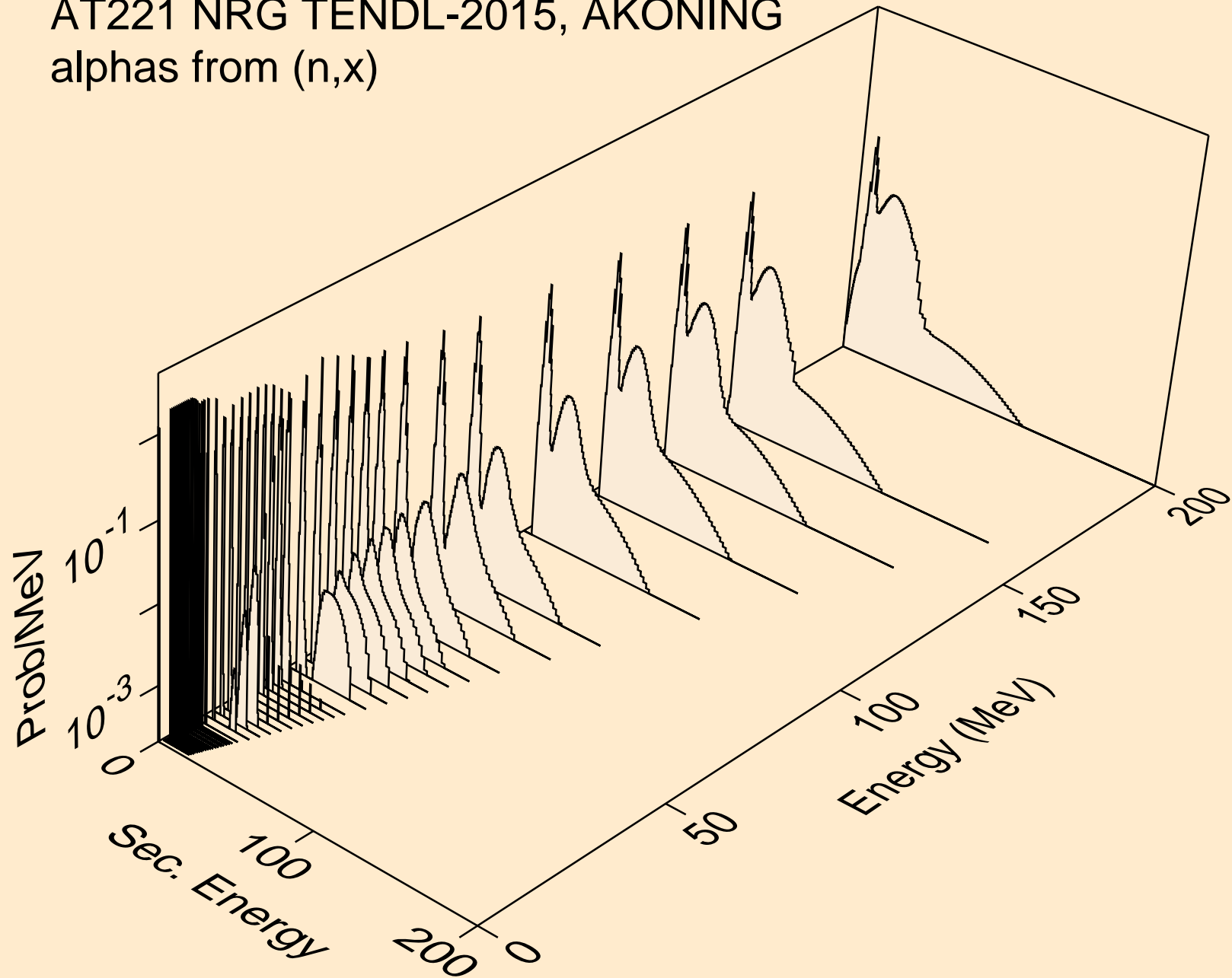
AT221 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



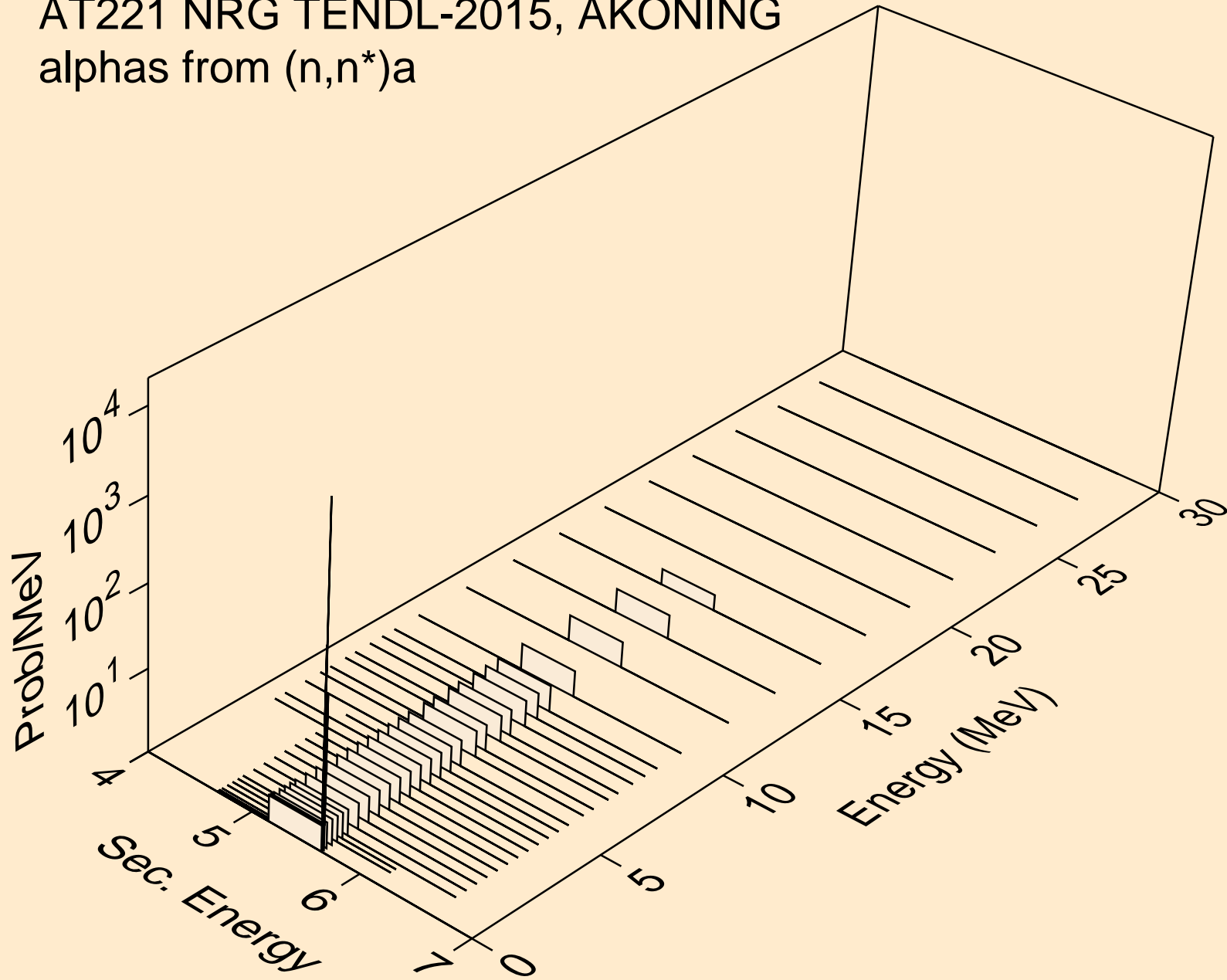
AT221 NRG TENDL-2015, AKONING  
he3s from (n,he3)



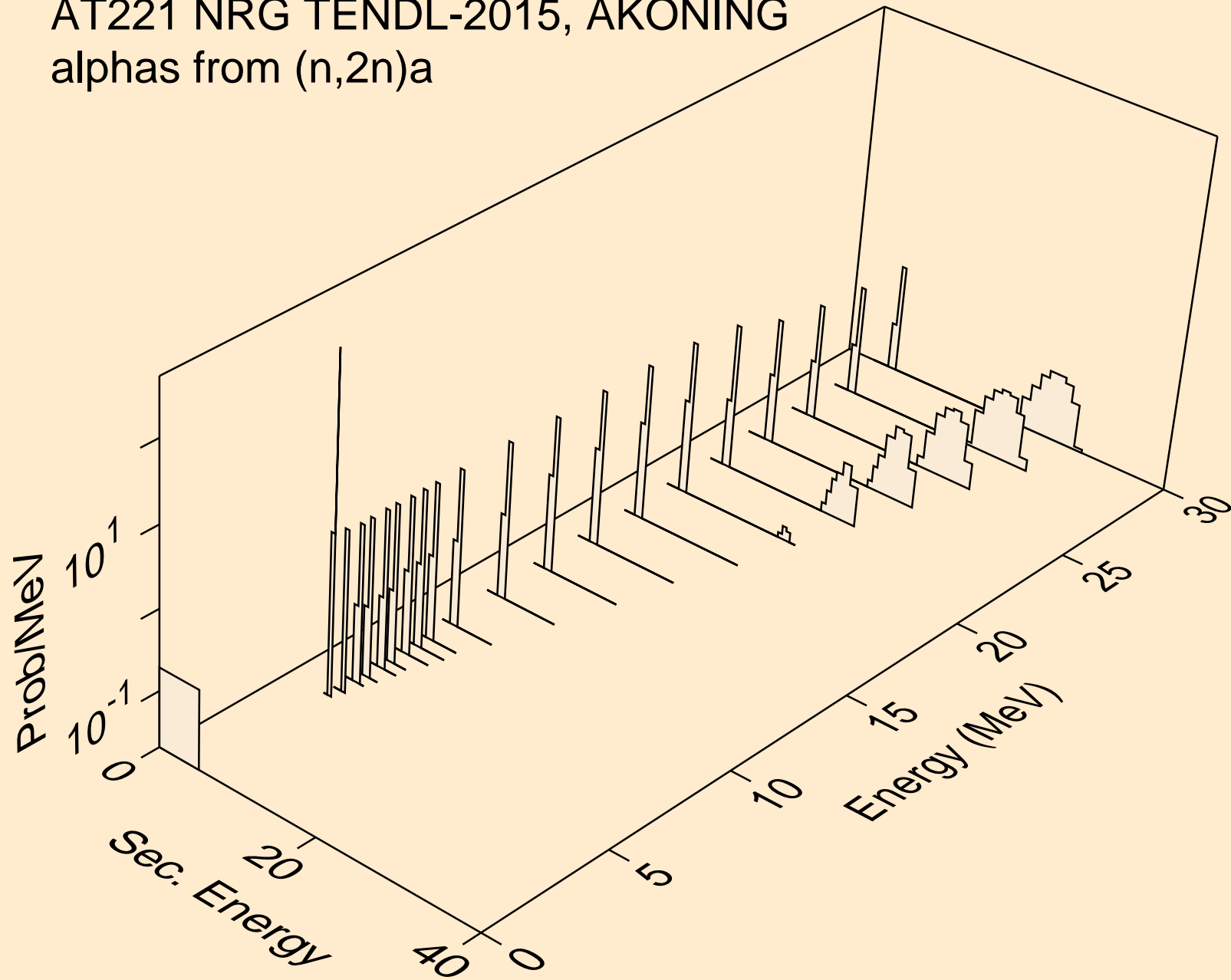
AT221 NRG TENDL-2015, AKONING  
alphas from (n,x)



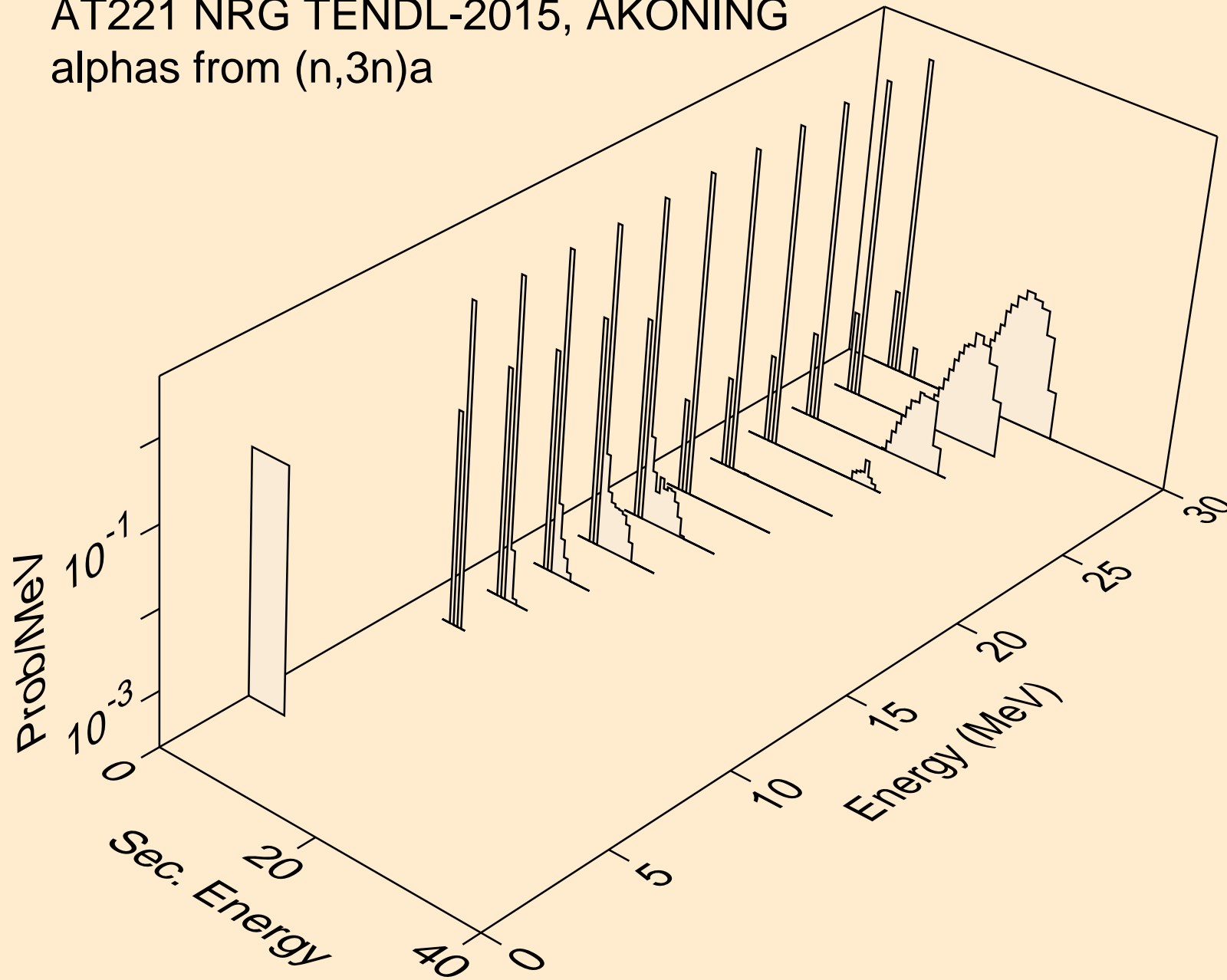
AT221 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



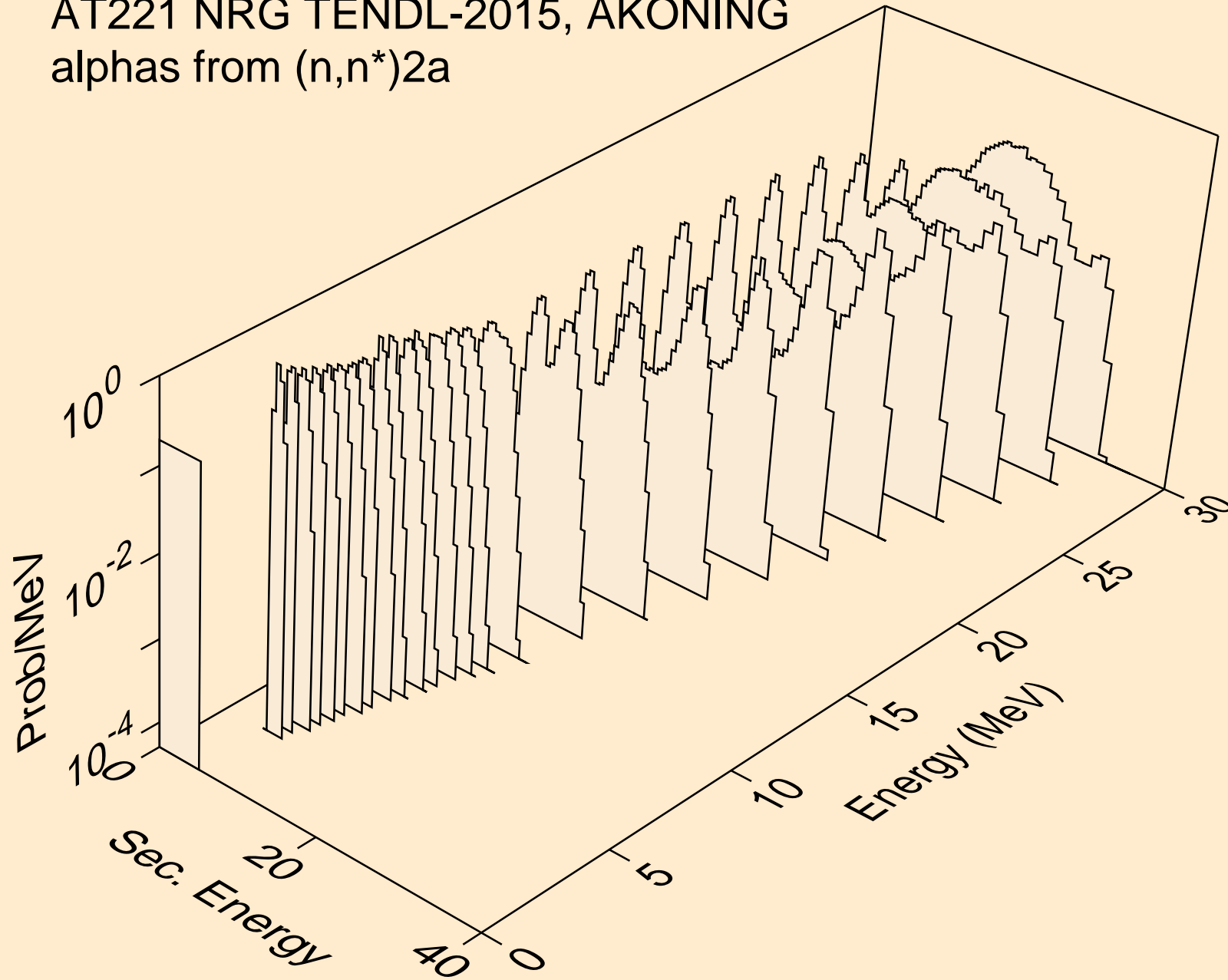
AT221 NRG TENDL-2015, AKONING  
alphas from (n,2n)a



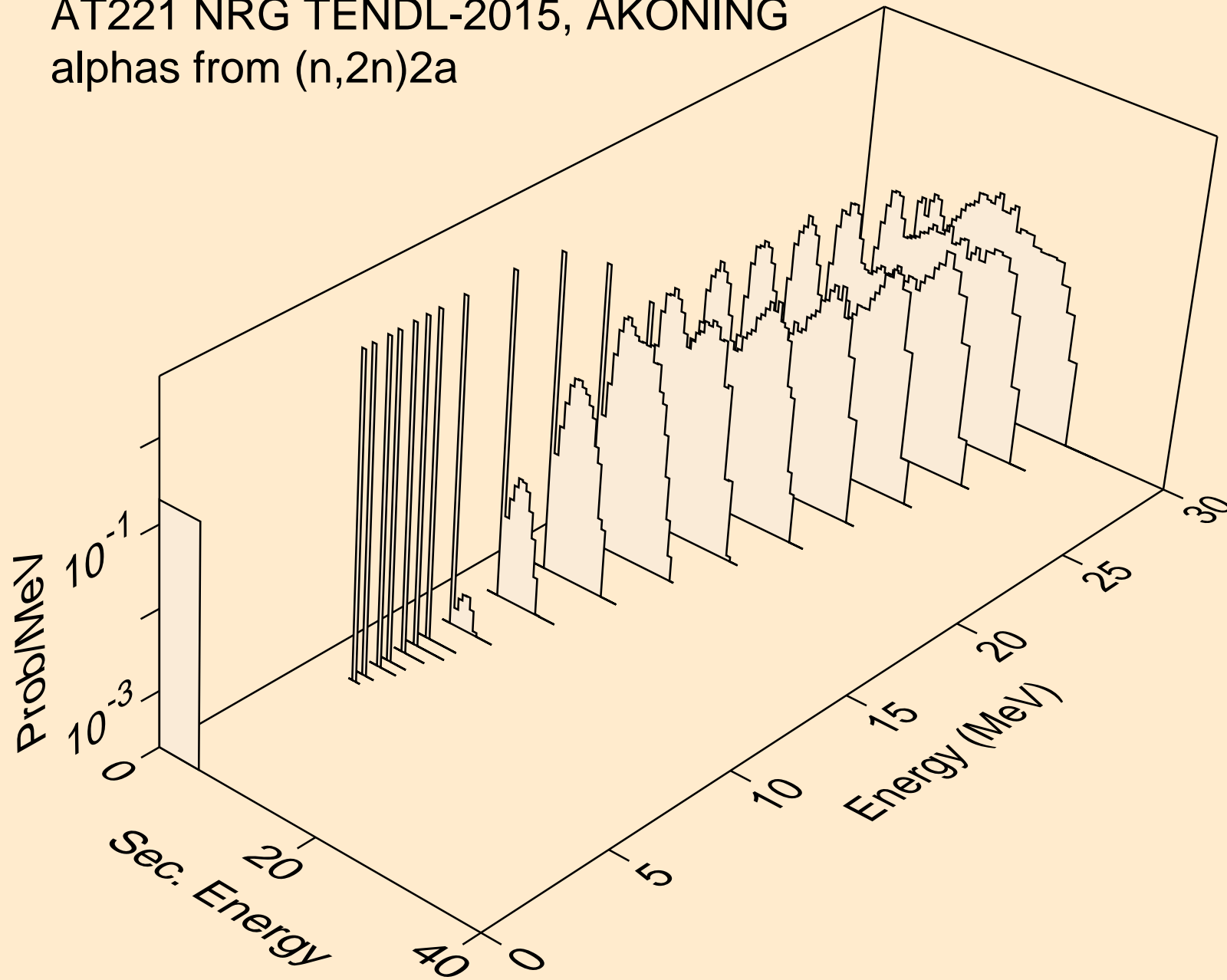
AT221 NRG TENDL-2015, AKONING  
alphas from (n,3n)a



AT221 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a

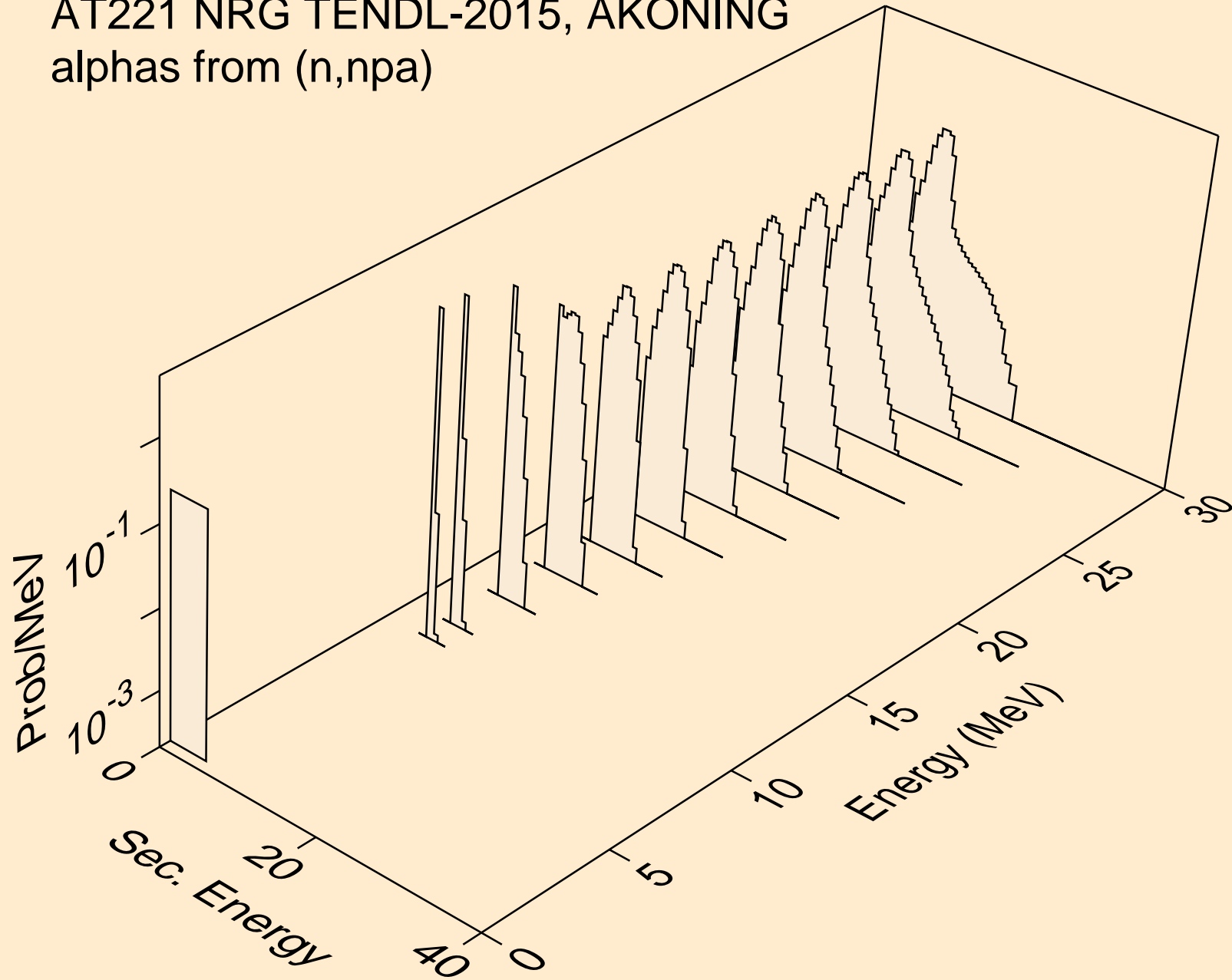


AT221 NRG TENDL-2015, AKONING  
alphas from (n,2n)2a

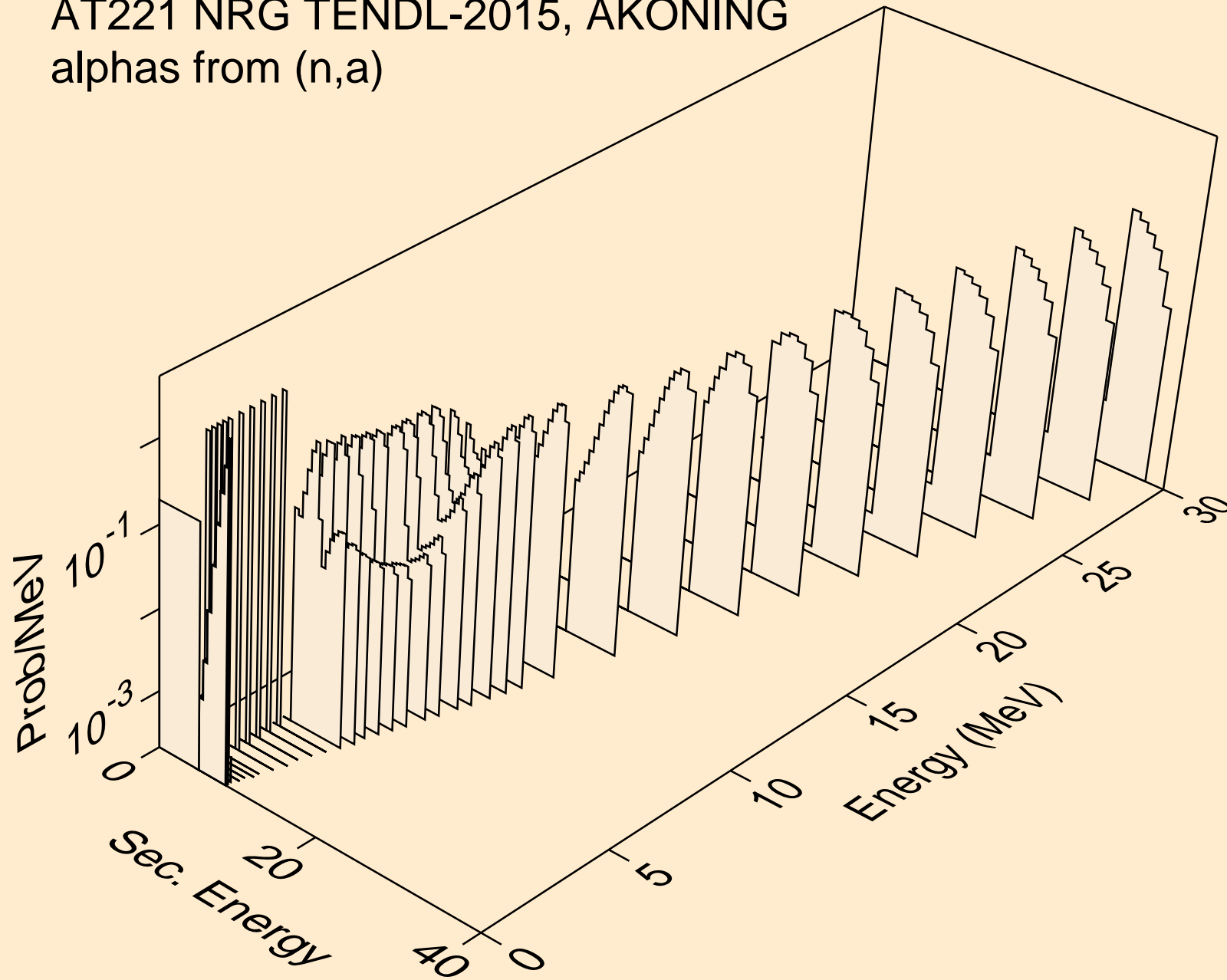




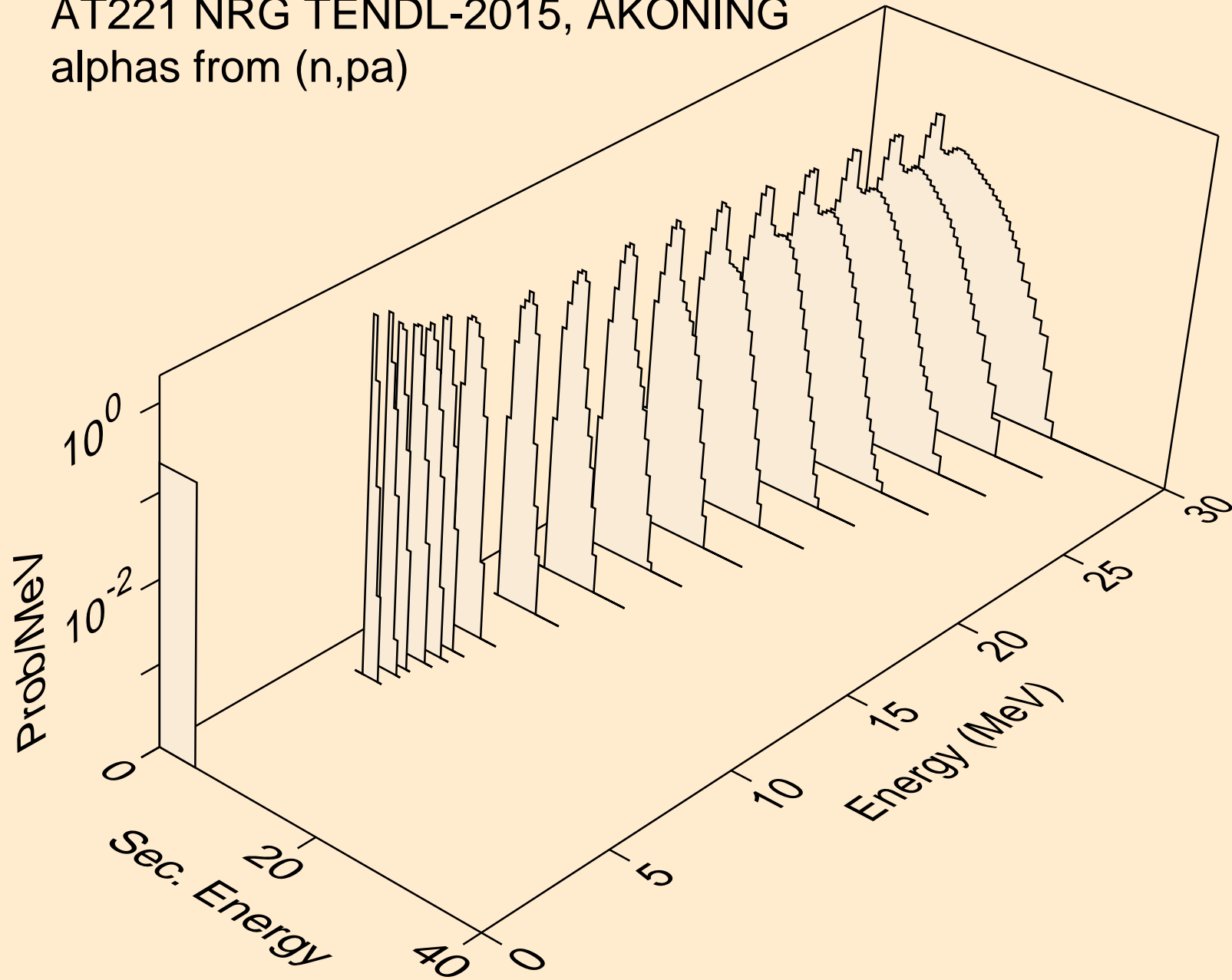
AT221 NRG TENDL-2015, AKONING  
alphas from (n,npa)



AT221 NRG TENDL-2015, AKONING  
alphas from (n,a)



AT221 NRG TENDL-2015, AKONING  
alphas from (n,pa)



AT221 NRG TENDL-2015, AKONING  
alphas from (n,da)

