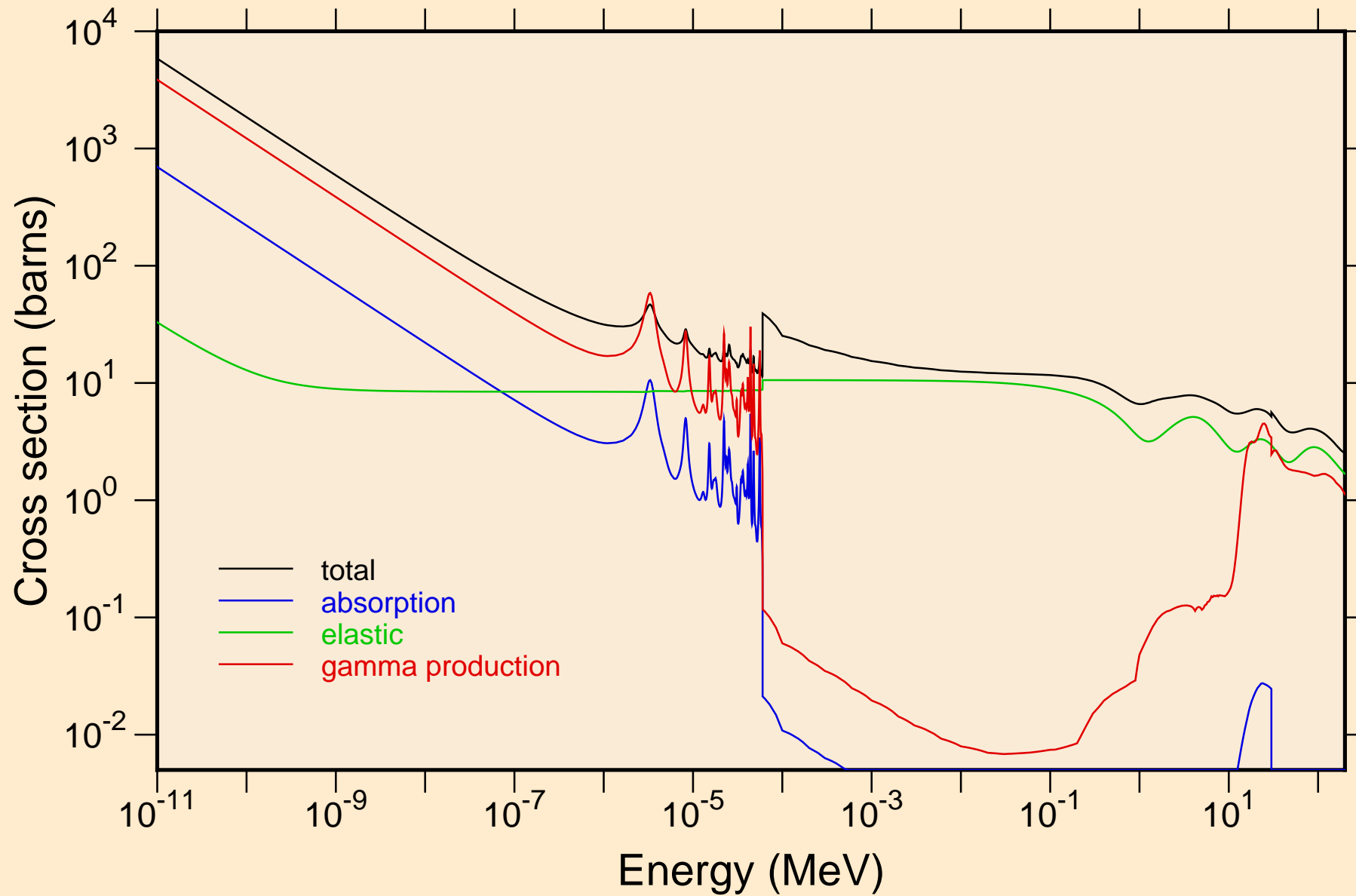


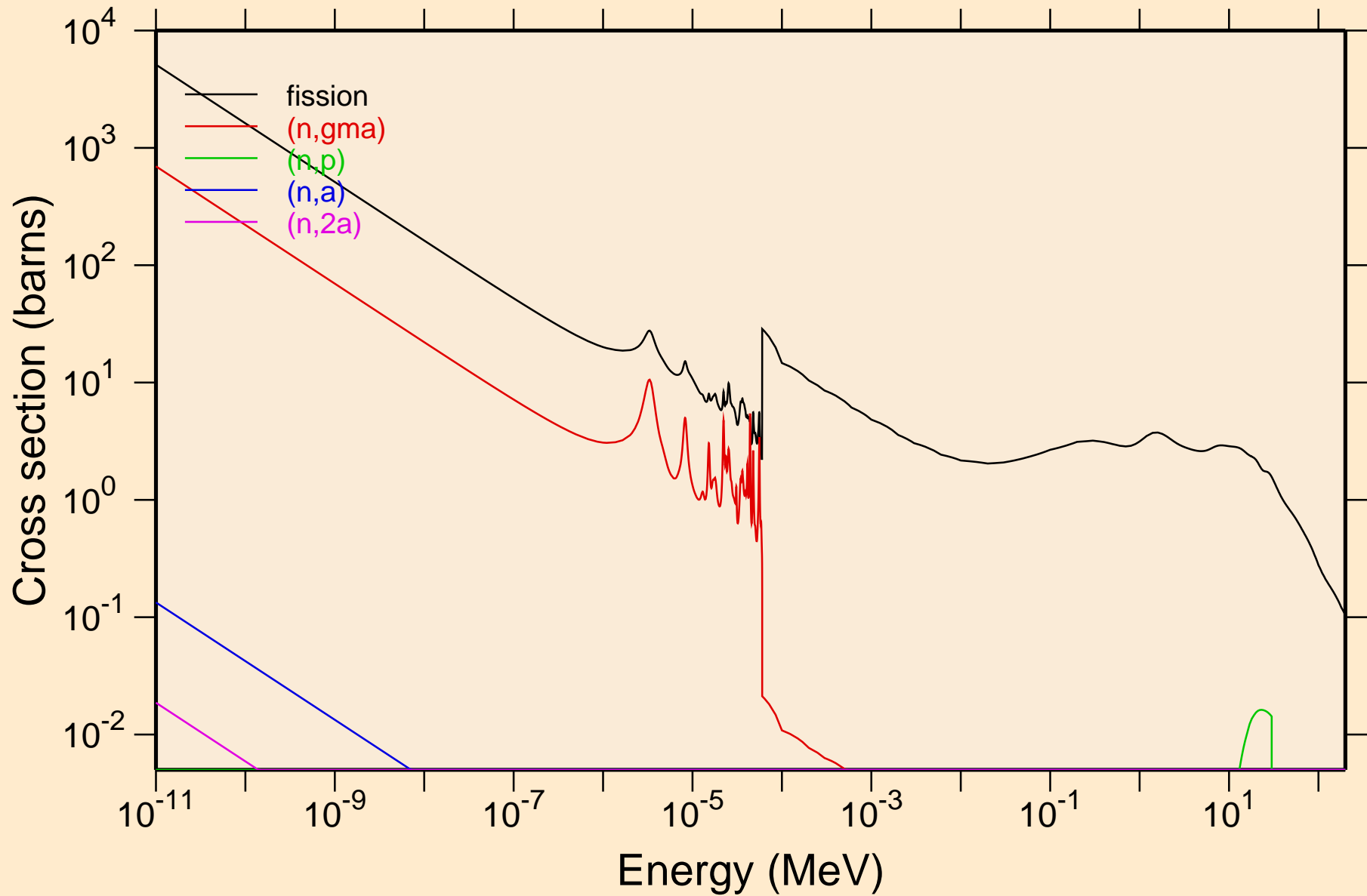
# NP231 NRG TENDL-2015, AKONING

## Principal cross sections

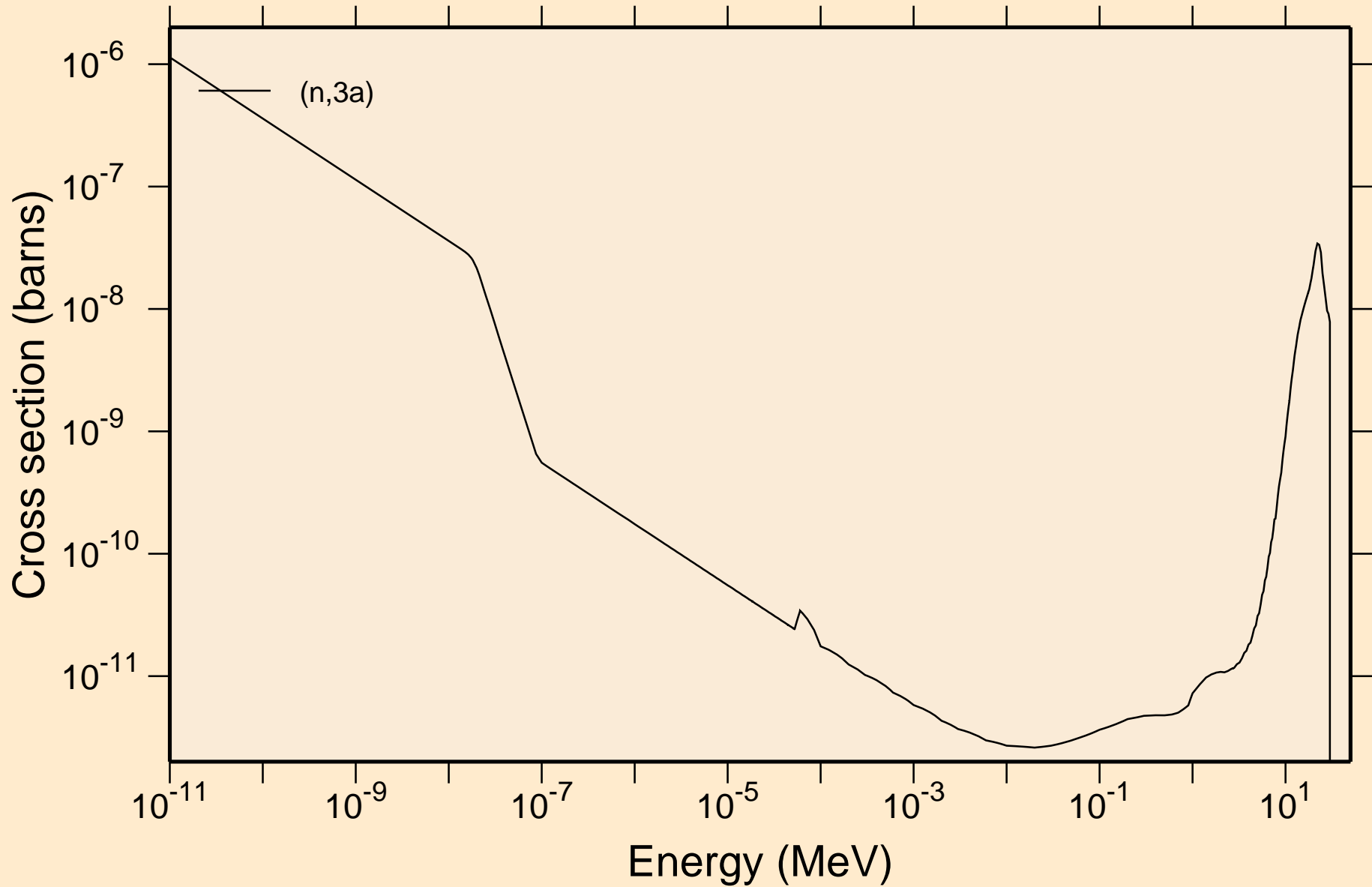


# NP231 NRG TENDL-2015, AKONING

## Non-threshold reactions

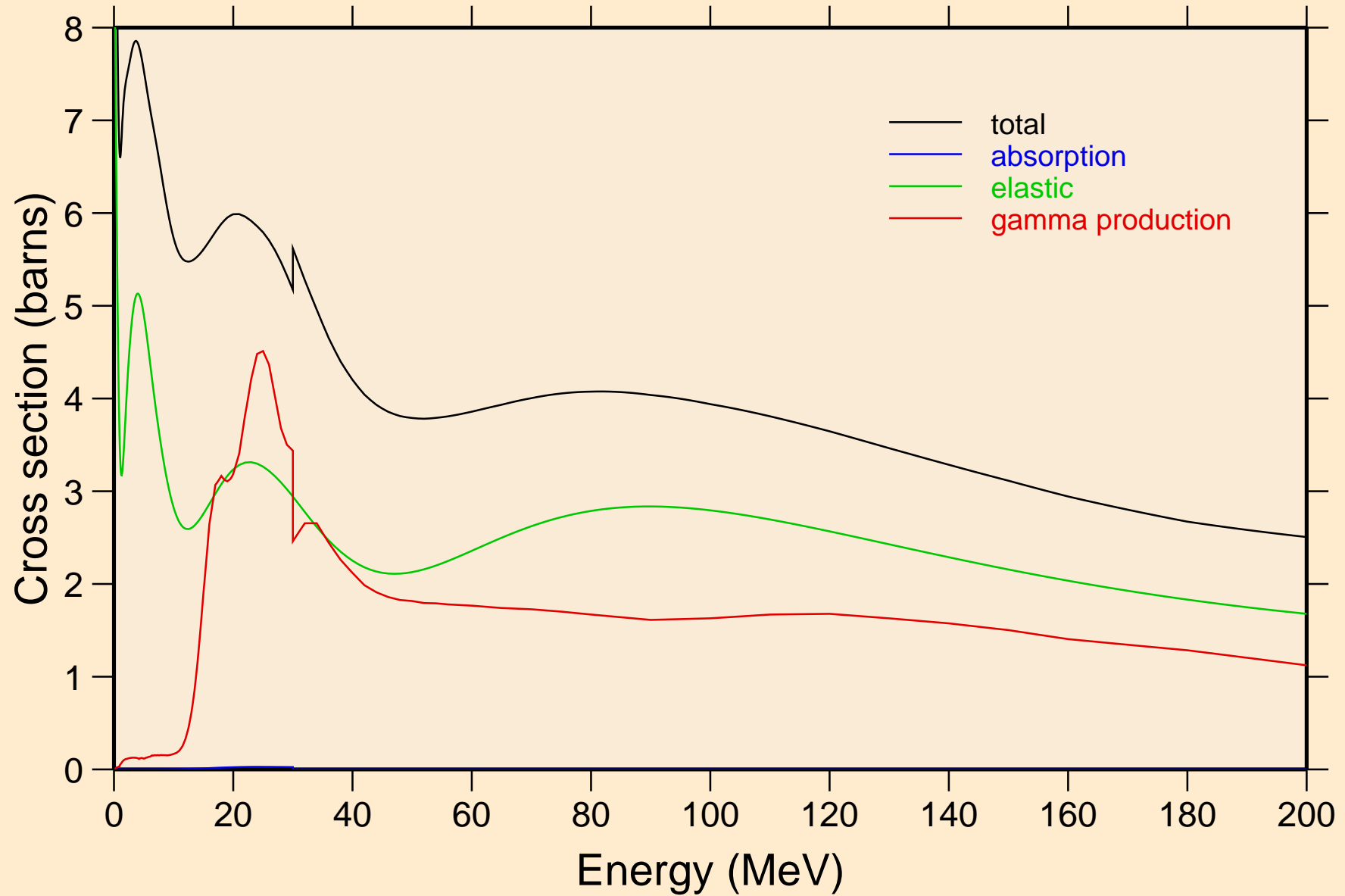


NP231 NRG TENDL-2015, AKONING  
Non-threshold reactions



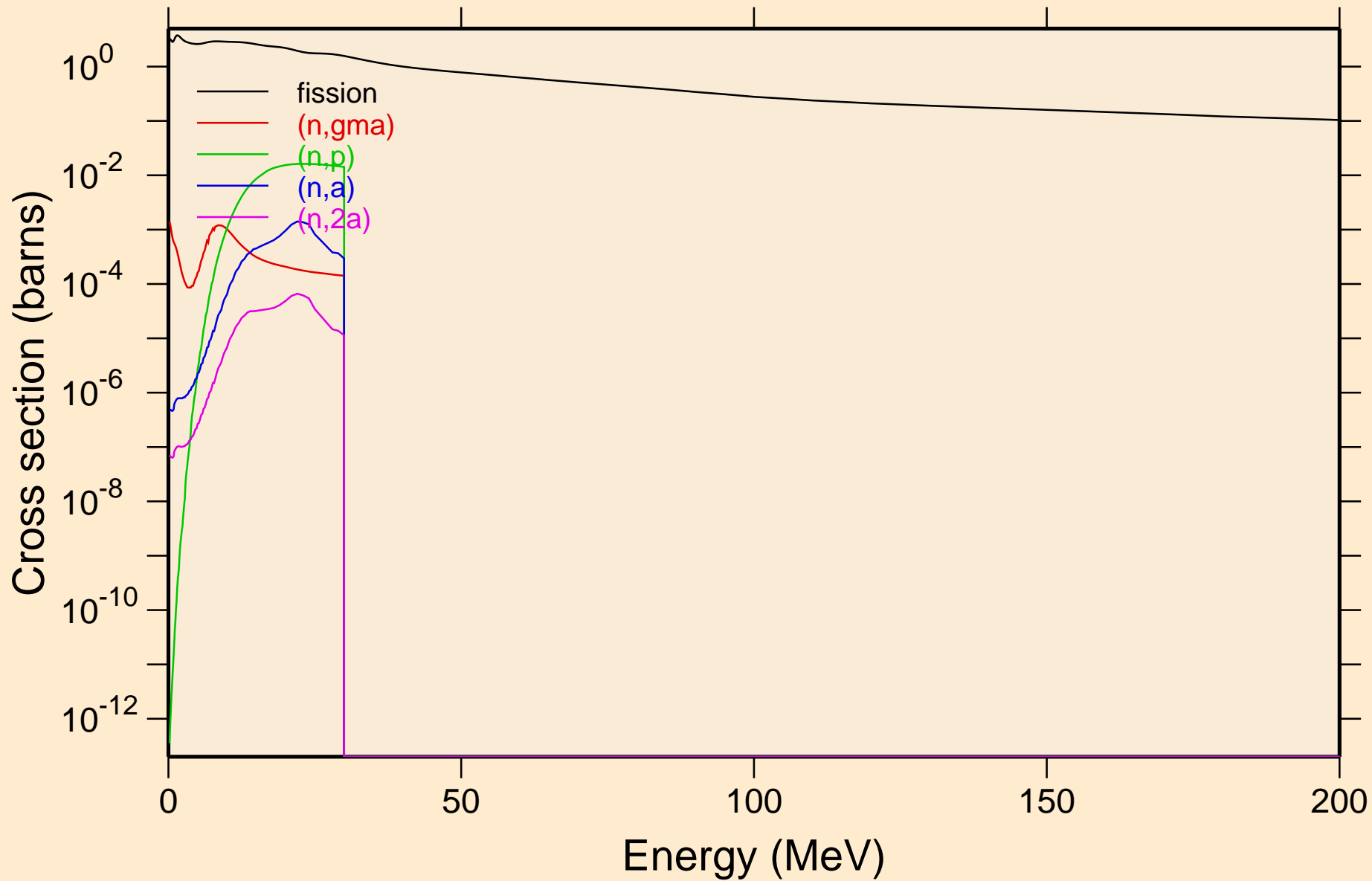
# NP231 NRG TENDL-2015, AKONING

## Principal cross sections

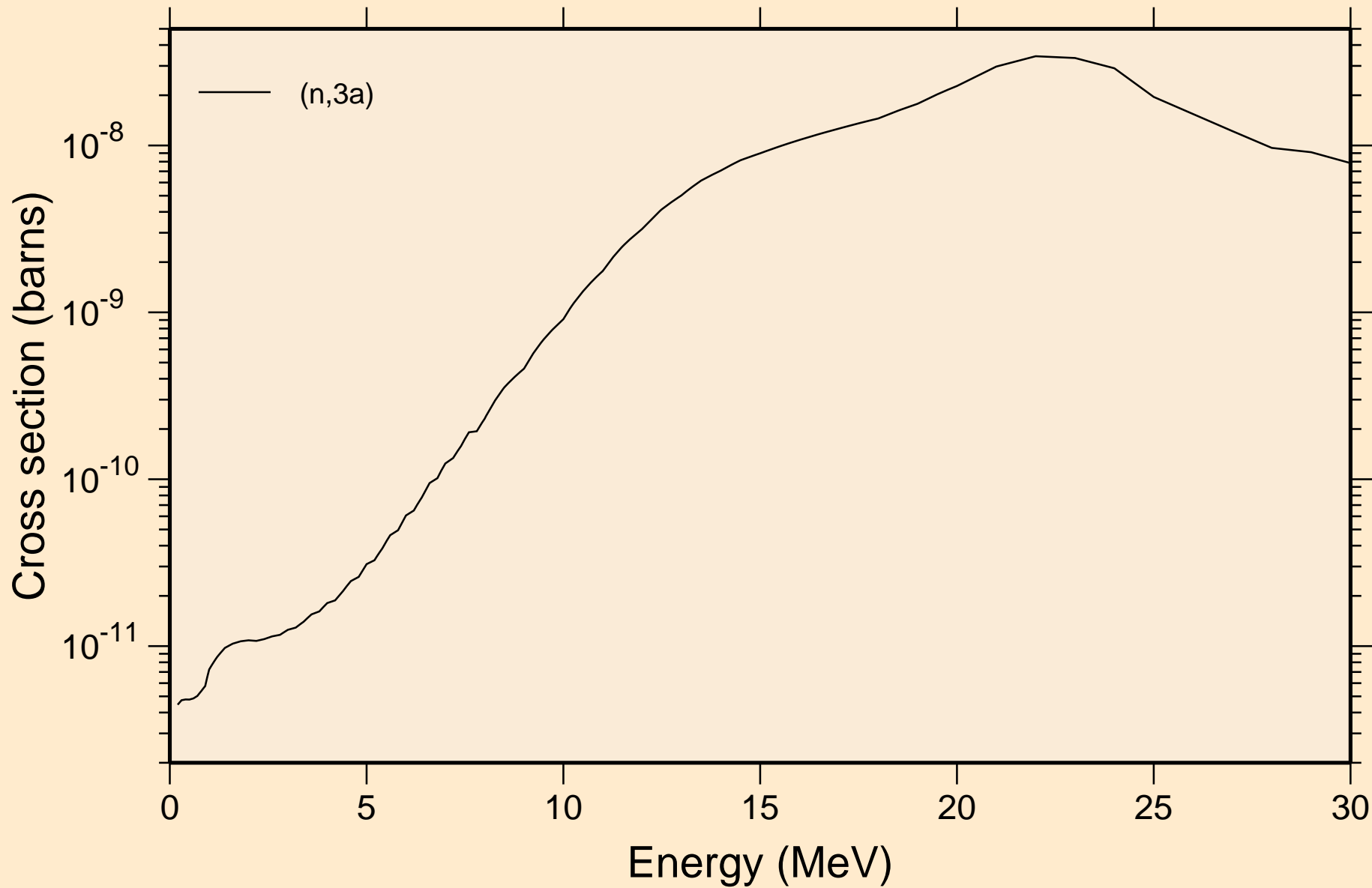


# NP231 NRG TENDL-2015, AKONING

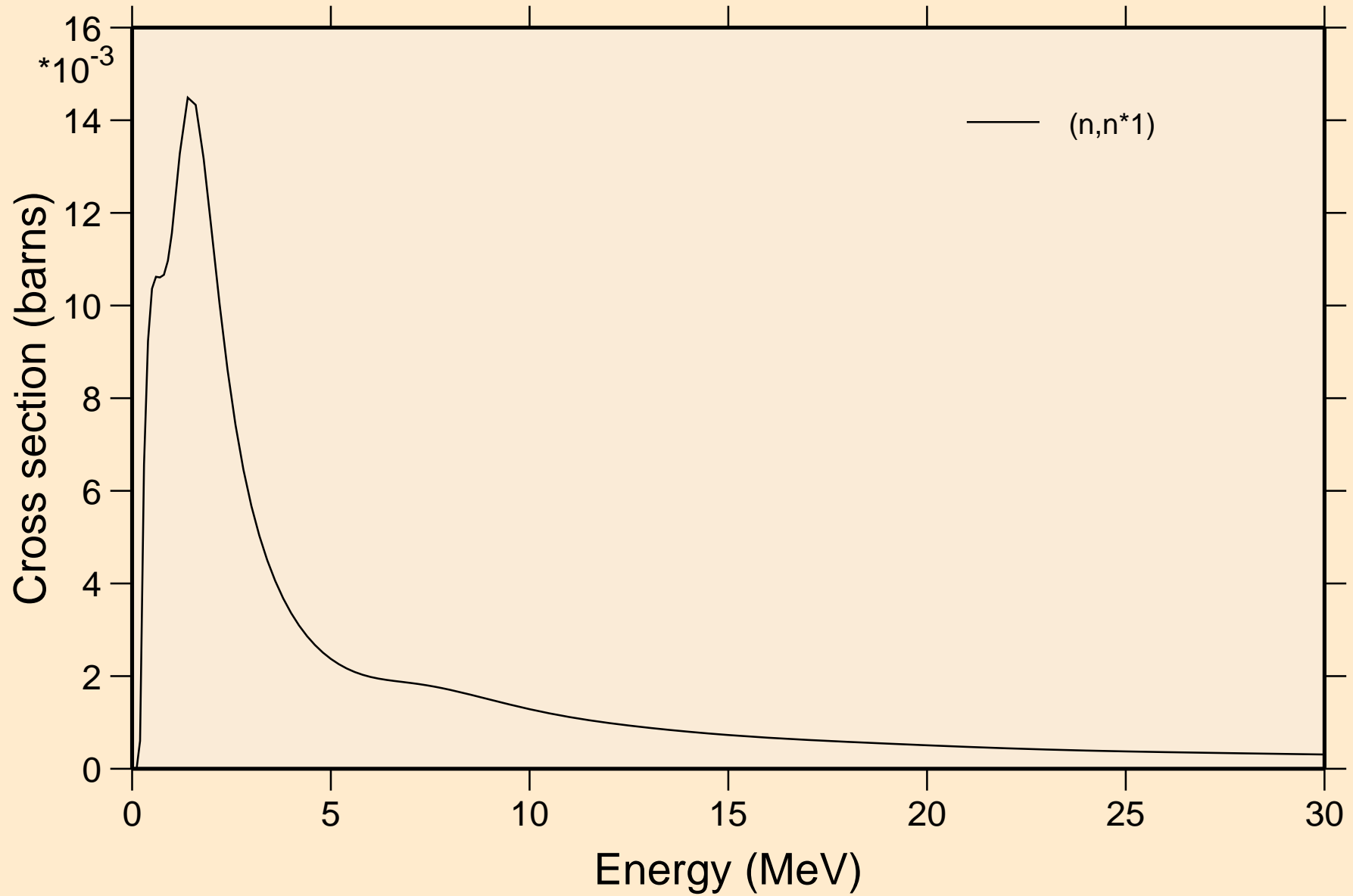
## Non-threshold reactions



NP231 NRG TENDL-2015, AKONING  
Non-threshold reactions

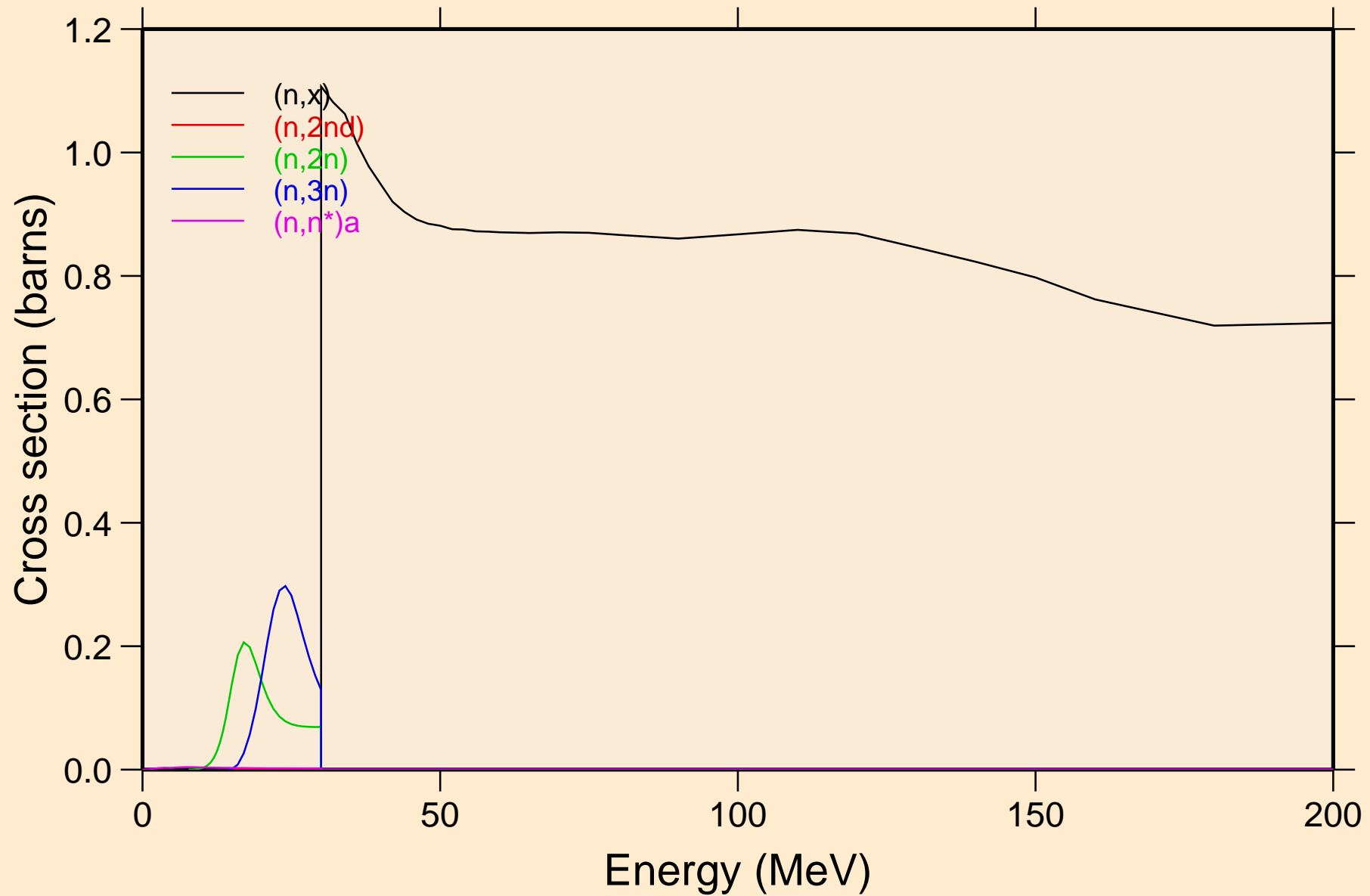


NP231 NRG TENDL-2015, AKONING  
Inelastic levels



# NP231 NRG TENDL-2015, AKONING

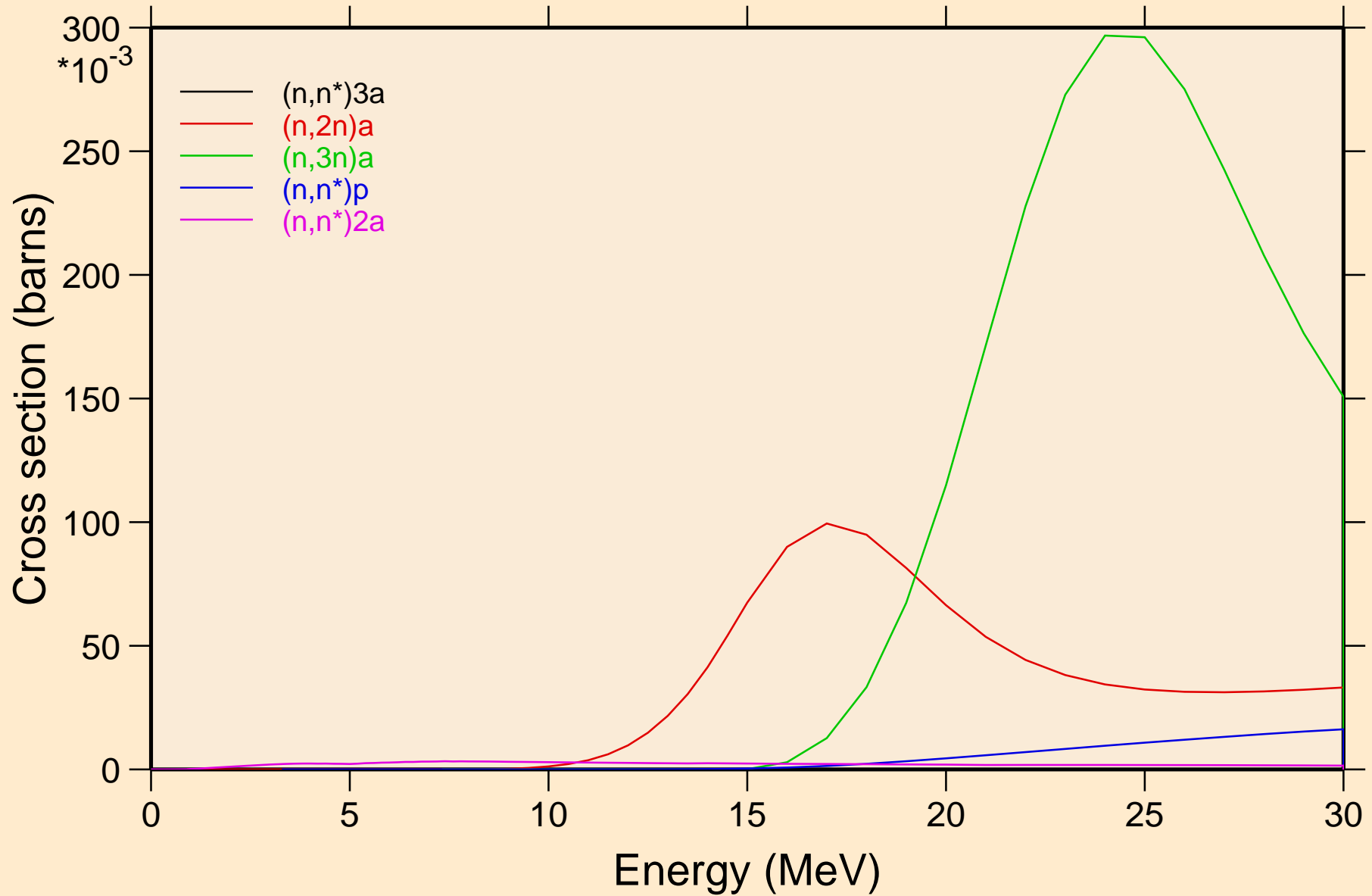
## Threshold reactions





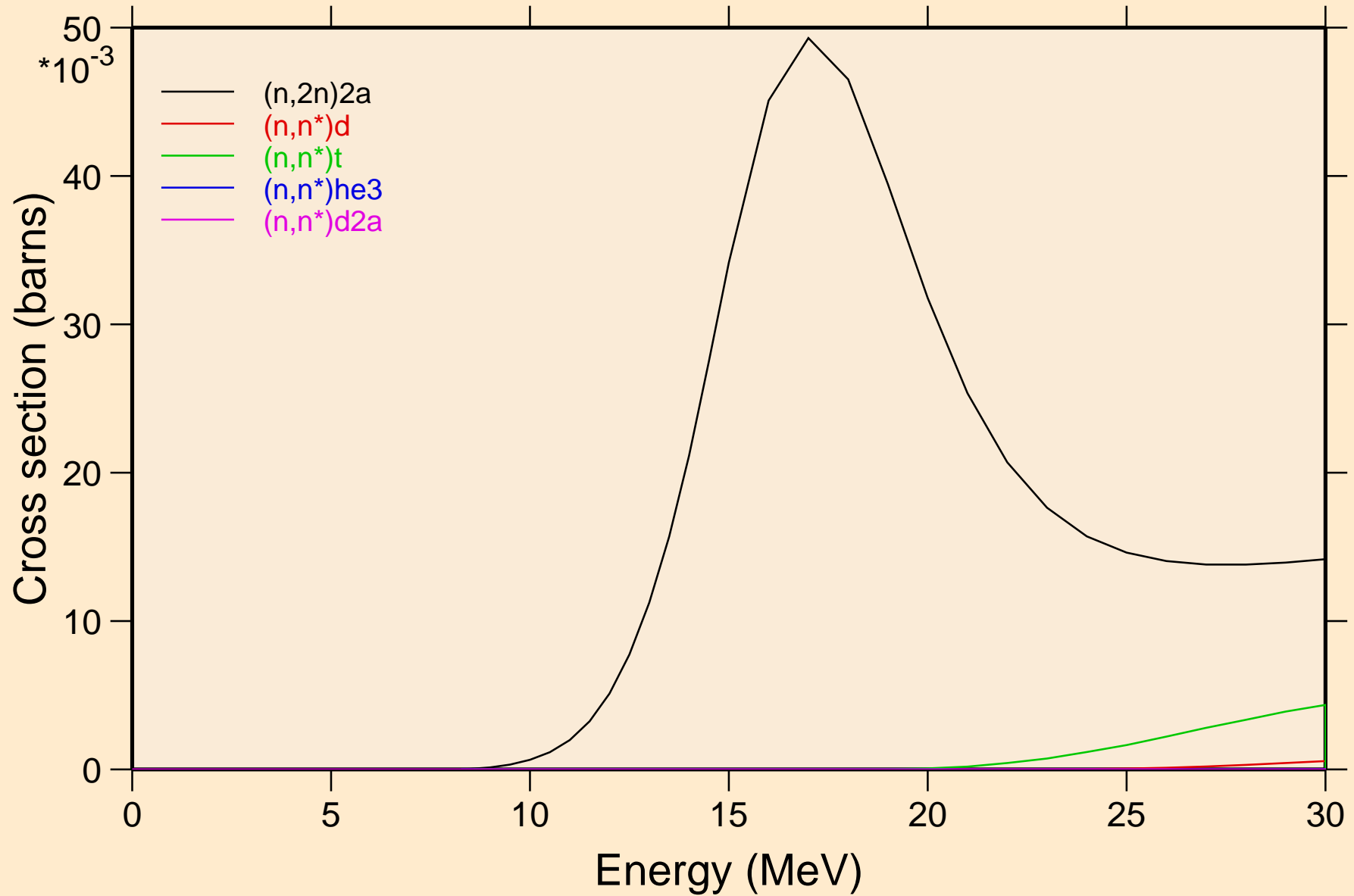
# NP231 NRG TENDL-2015, AKONING

## Threshold reactions



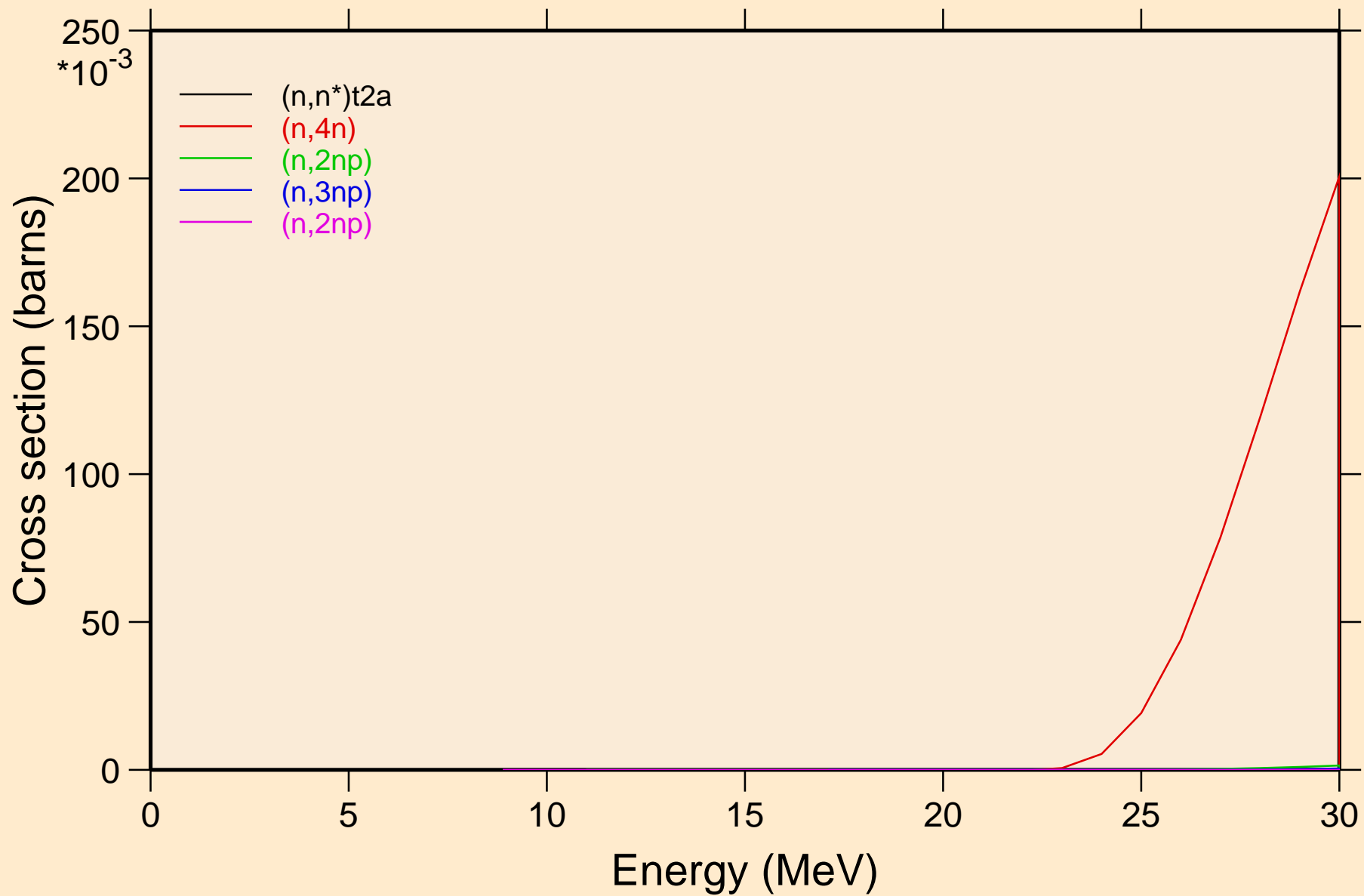
# NP231 NRG TENDL-2015, AKONING

## Threshold reactions



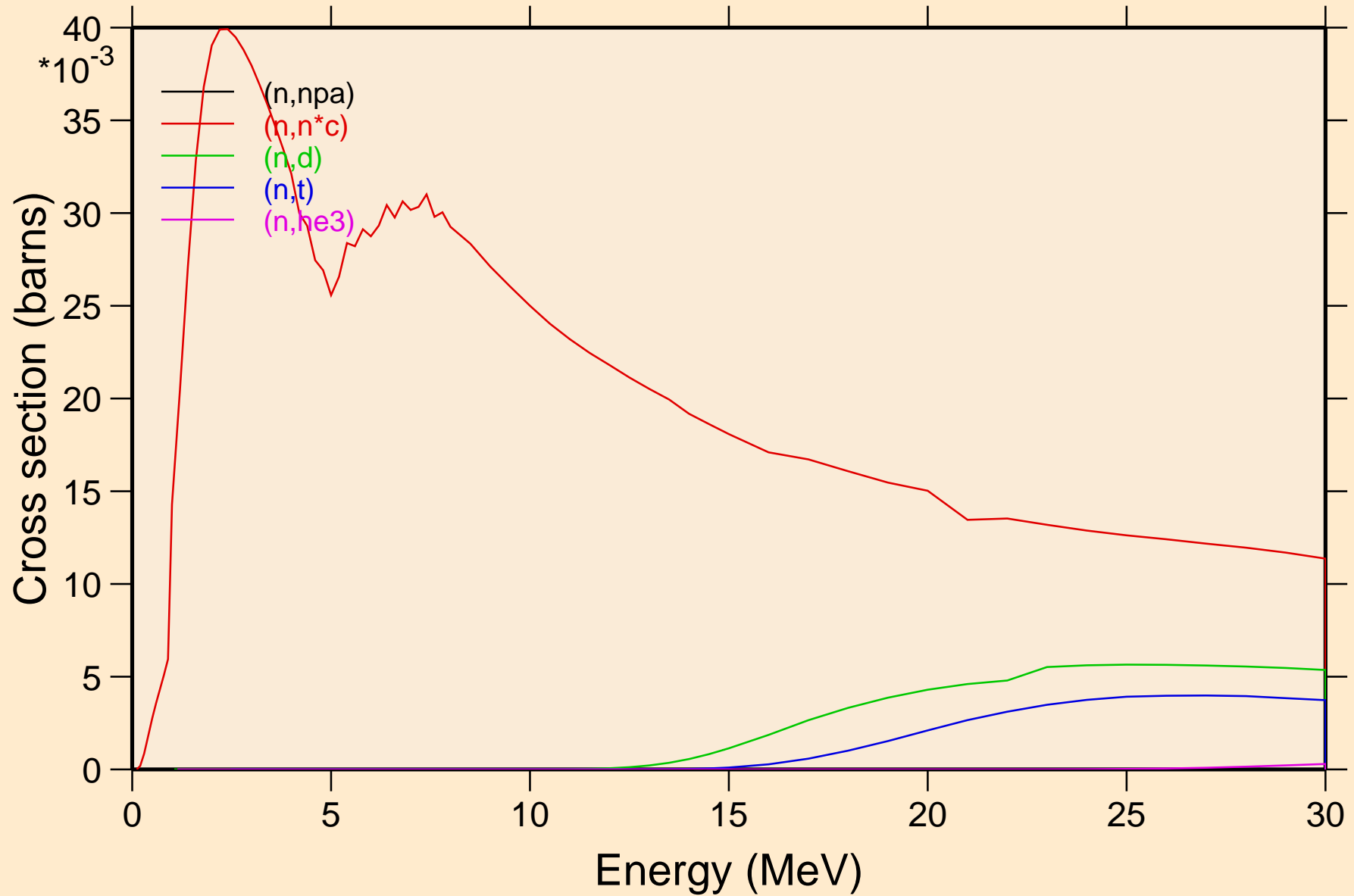
# NP231 NRG TENDL-2015, AKONING

## Threshold reactions



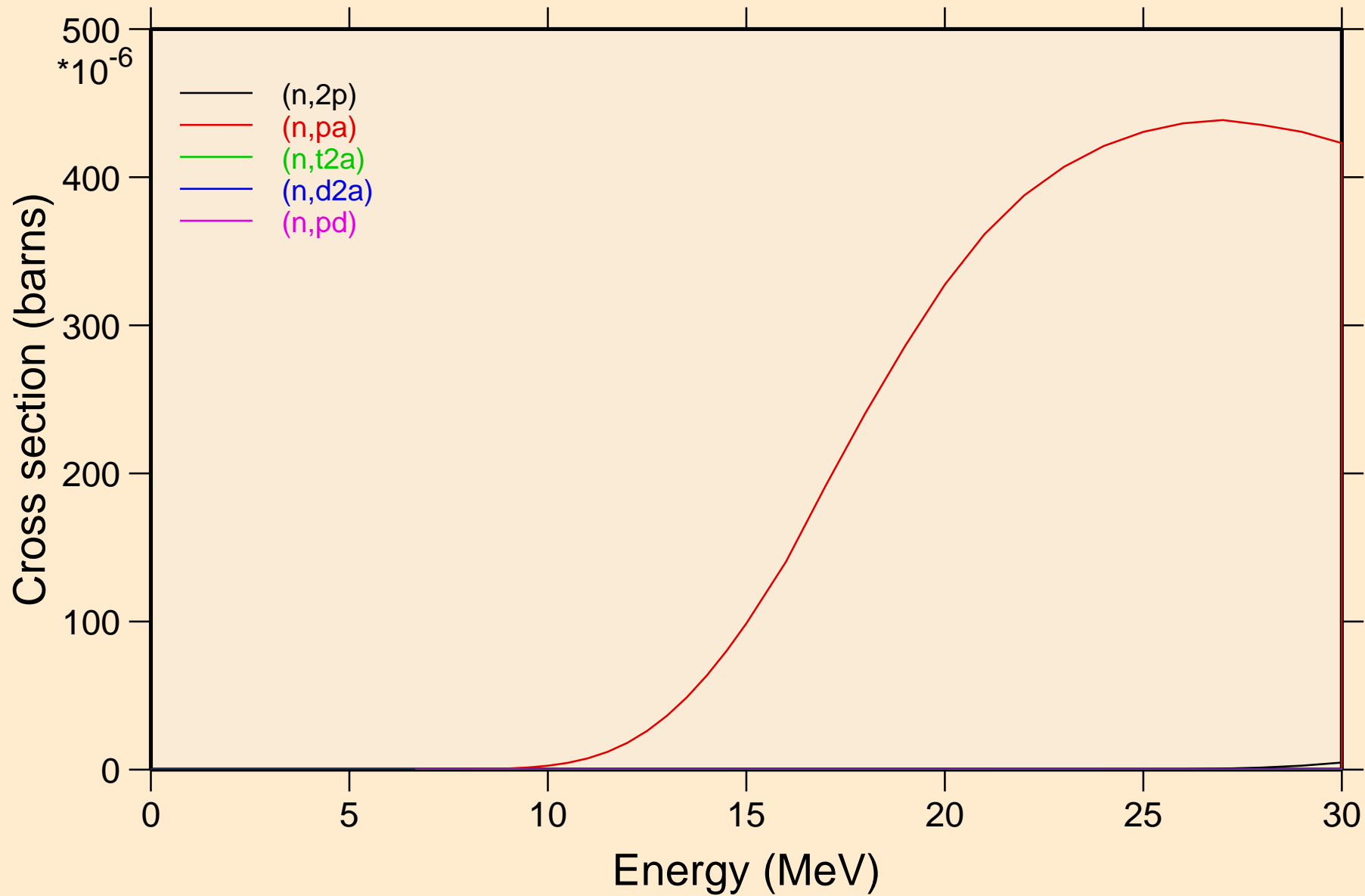
# NP231 NRG TENDL-2015, AKONING

## Threshold reactions



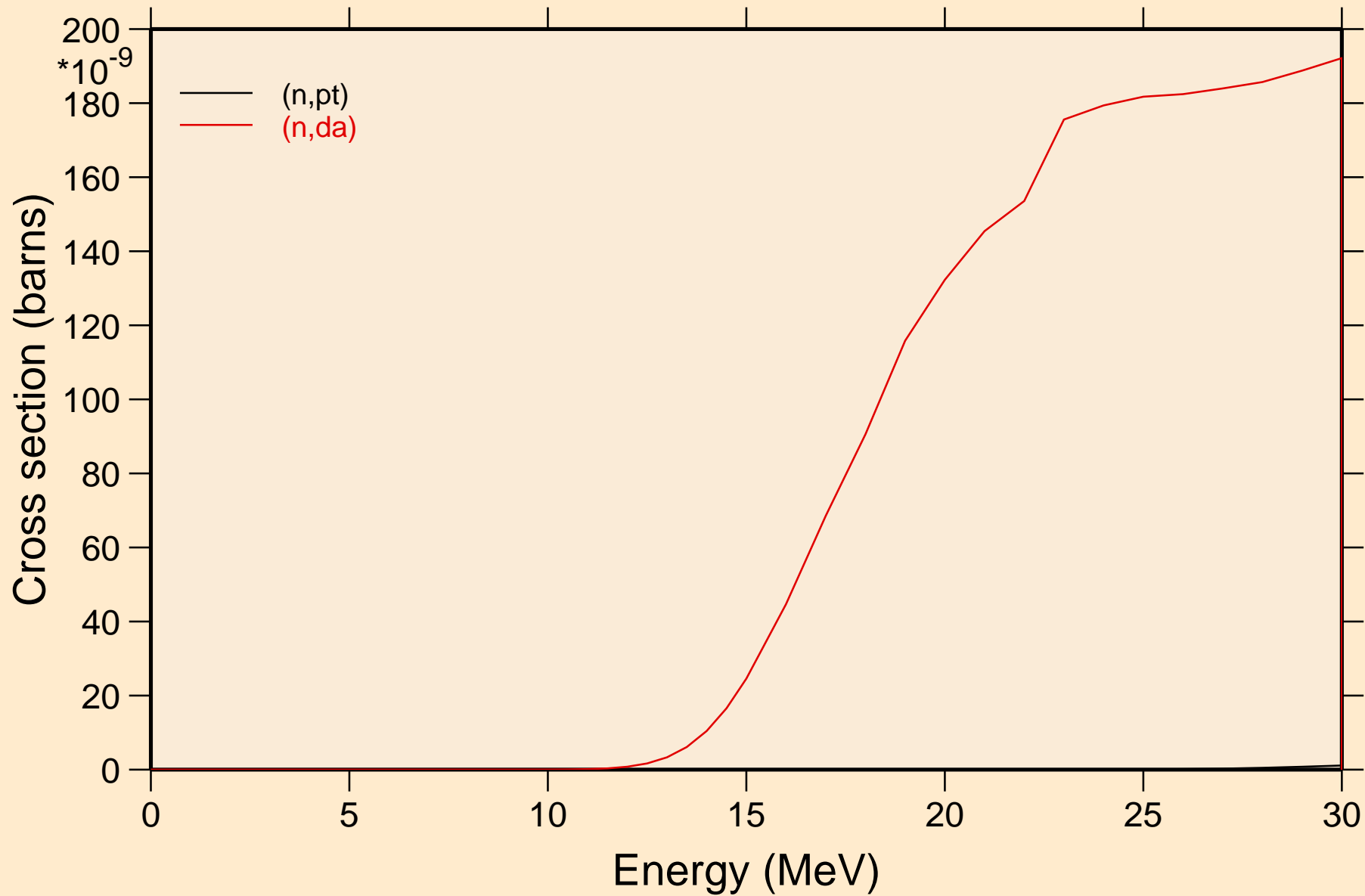
# NP231 NRG TENDL-2015, AKONING

## Threshold reactions

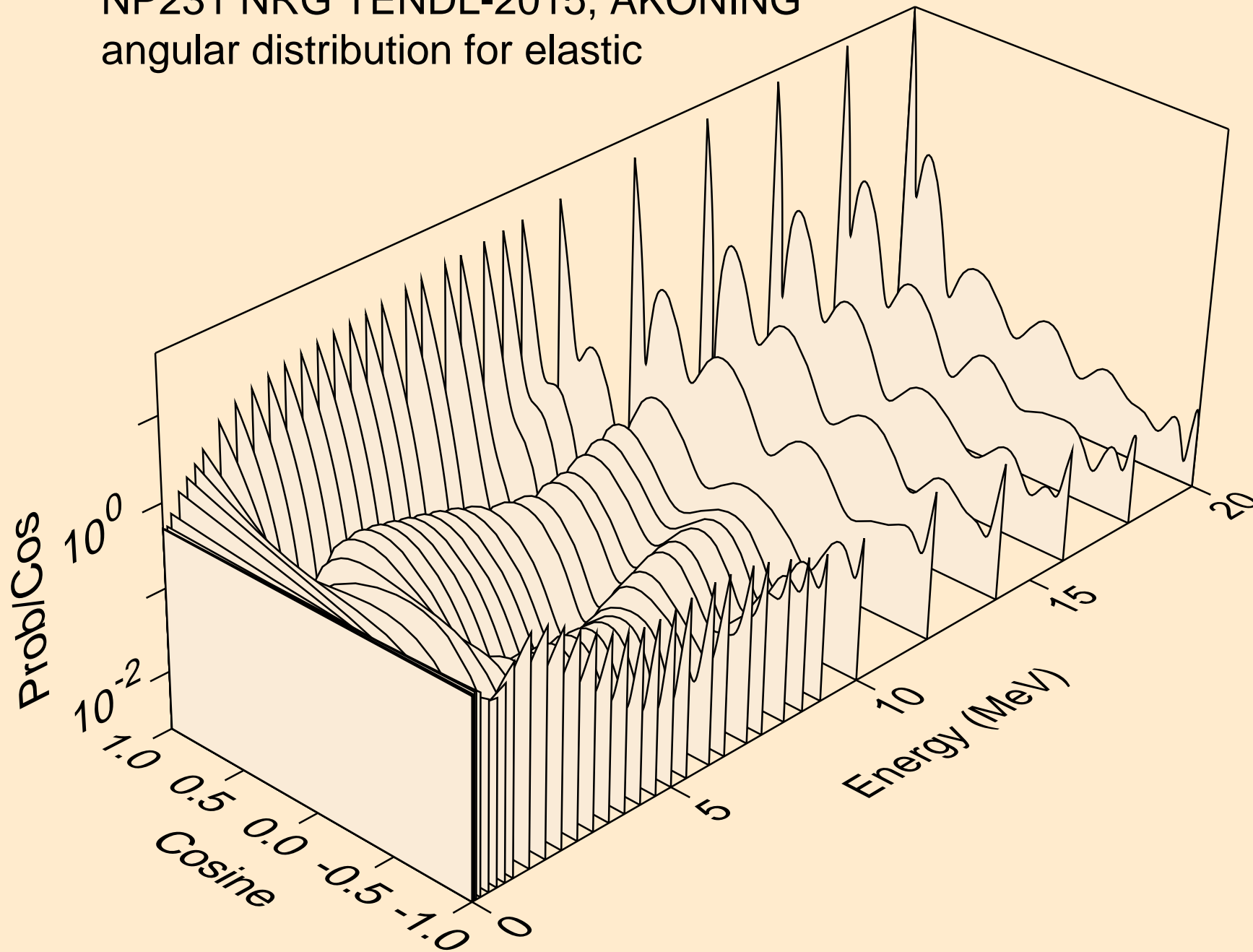


# NP231 NRG TENDL-2015, AKONING

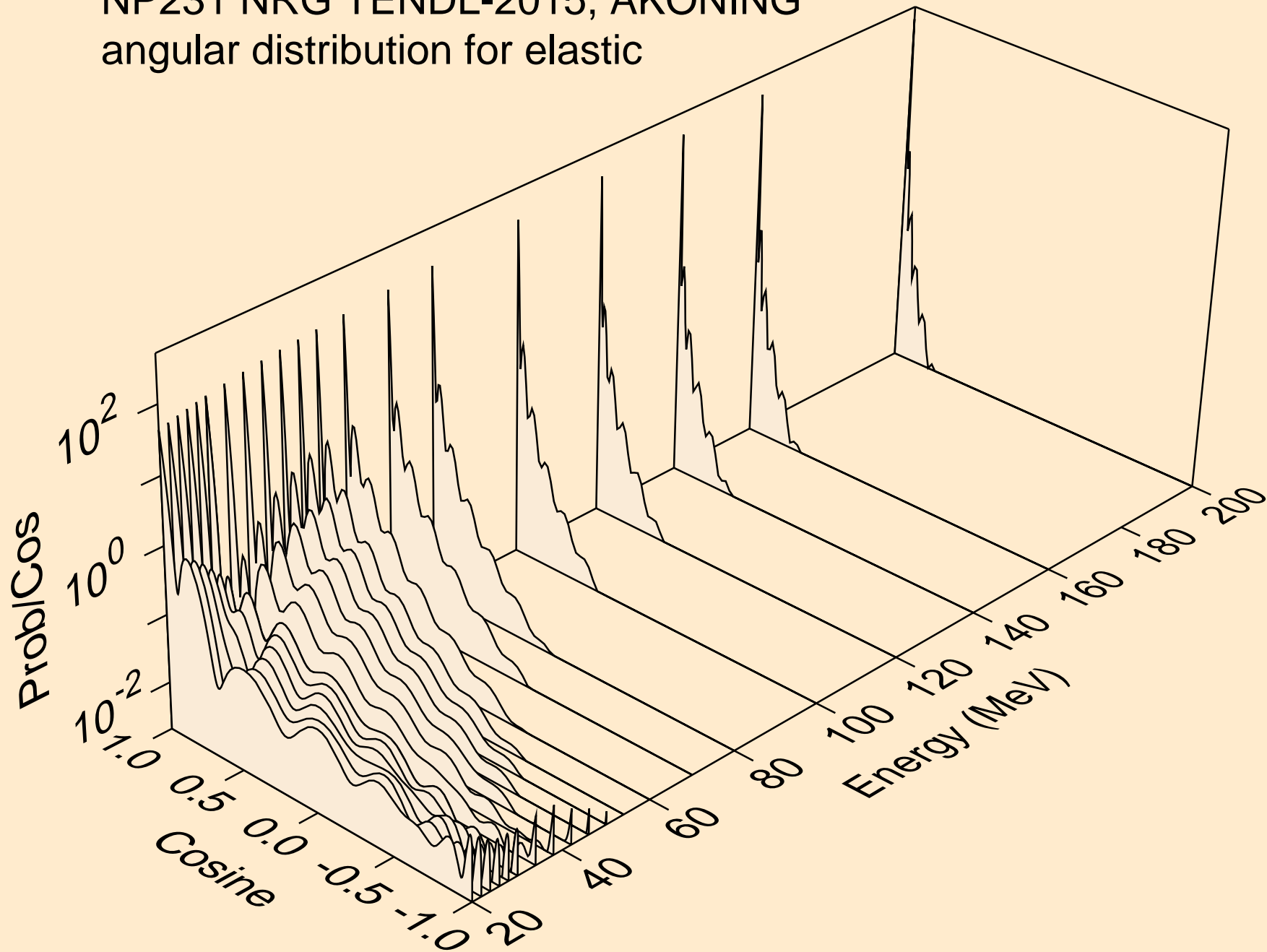
## Threshold reactions



NP231 NRG TENDL-2015, AKONING  
angular distribution for elastic

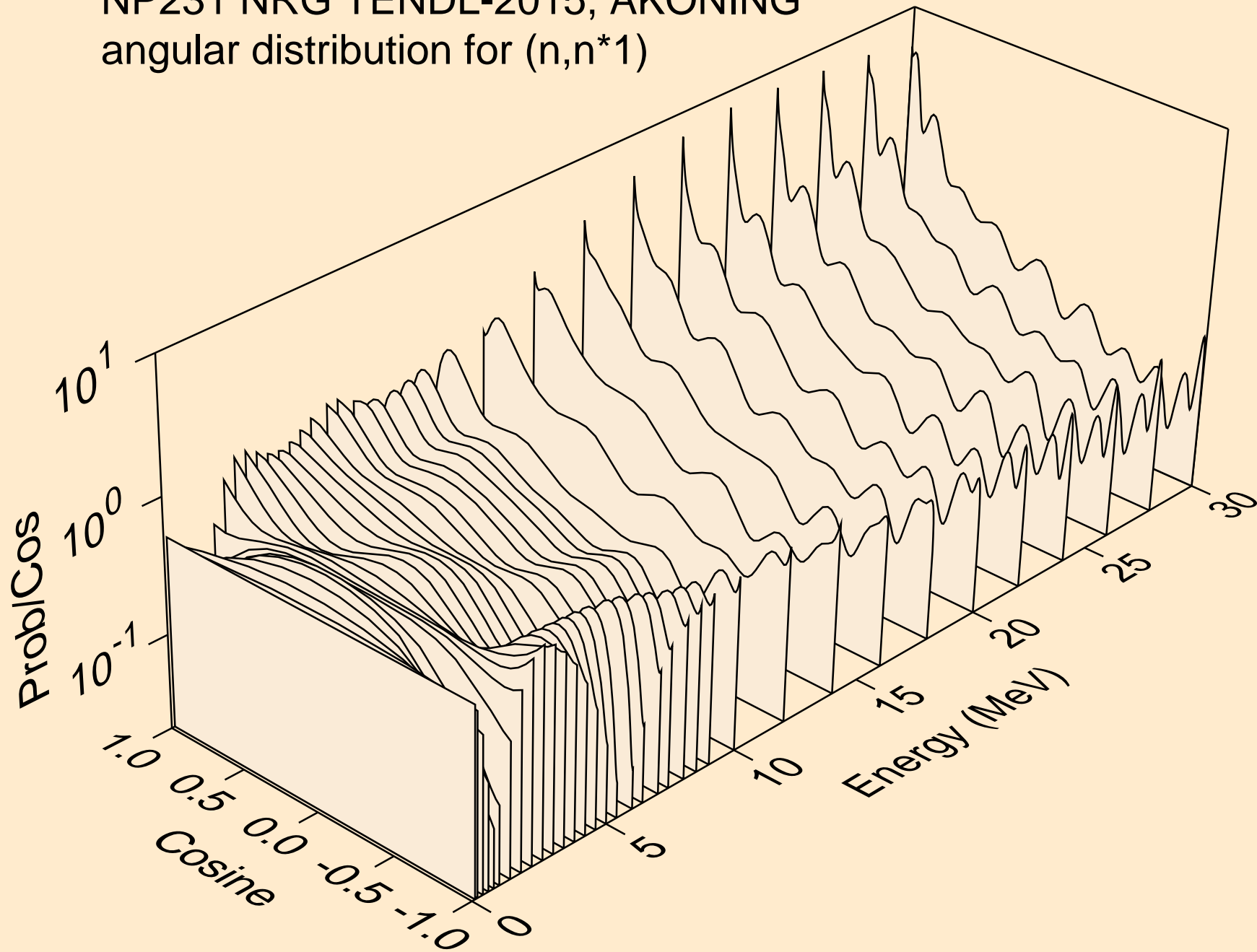


NP231 NRG TENDL-2015, AKONING  
angular distribution for elastic



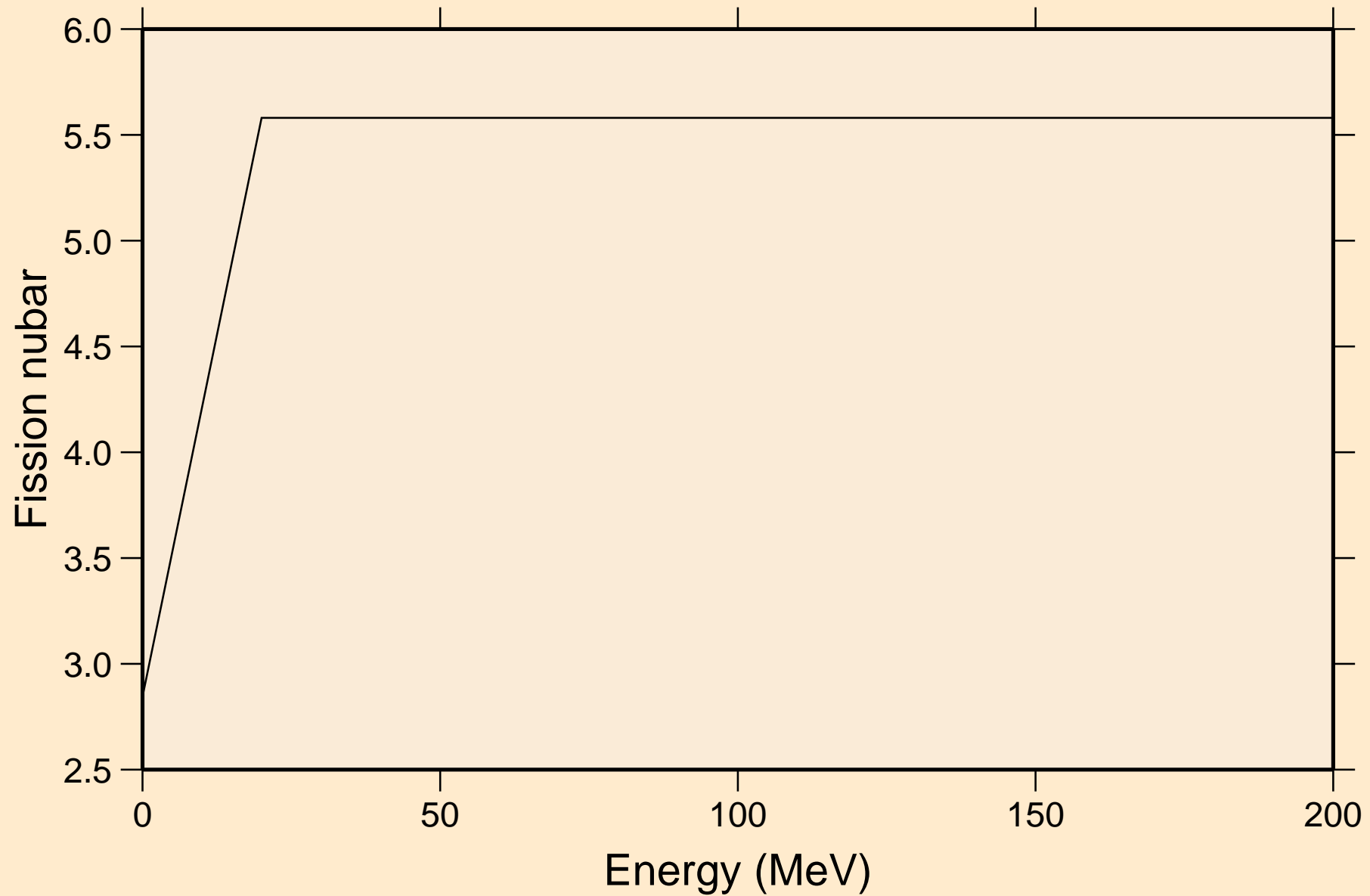


NP231 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)

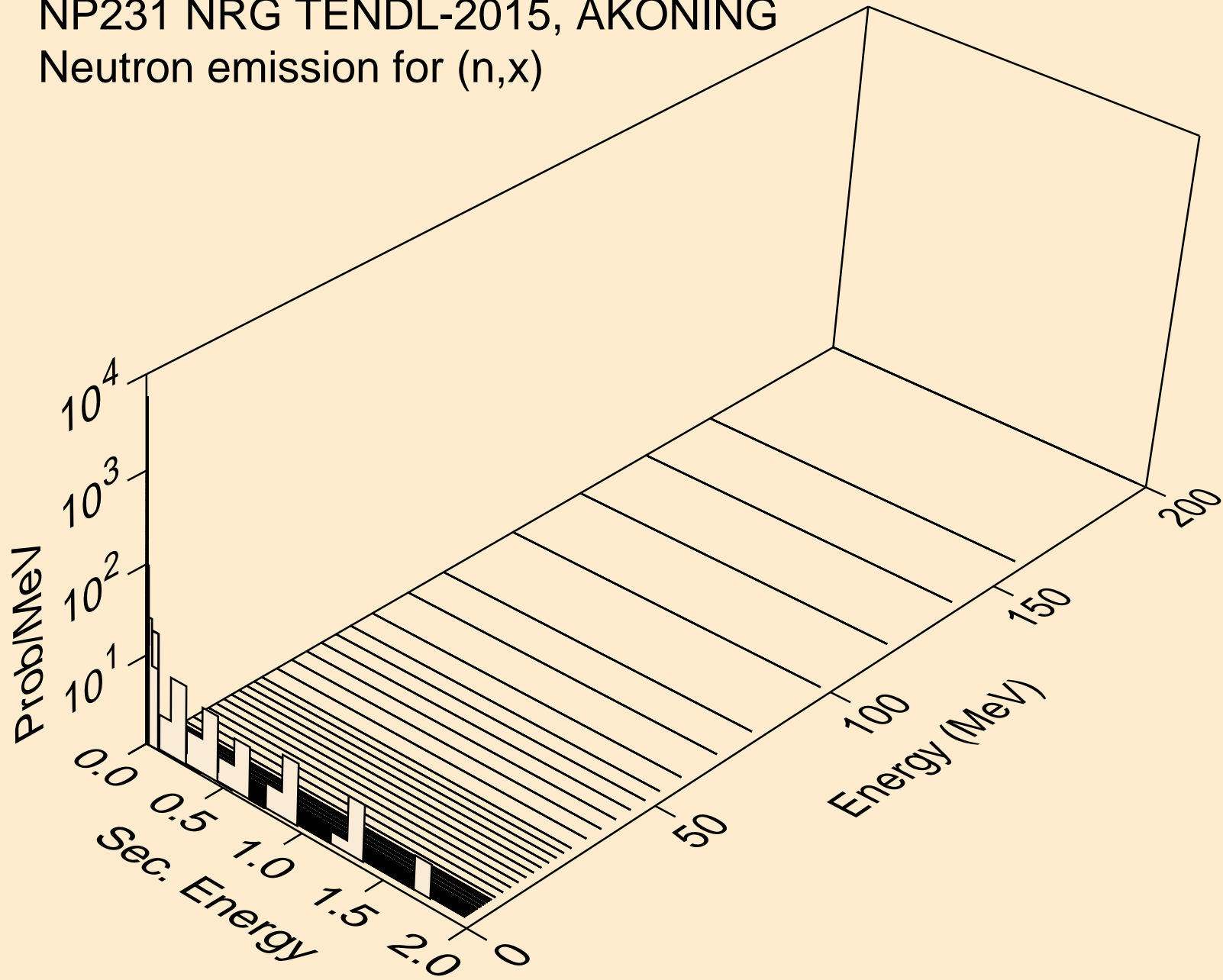


# NP231 NRG TENDL-2015, AKONING

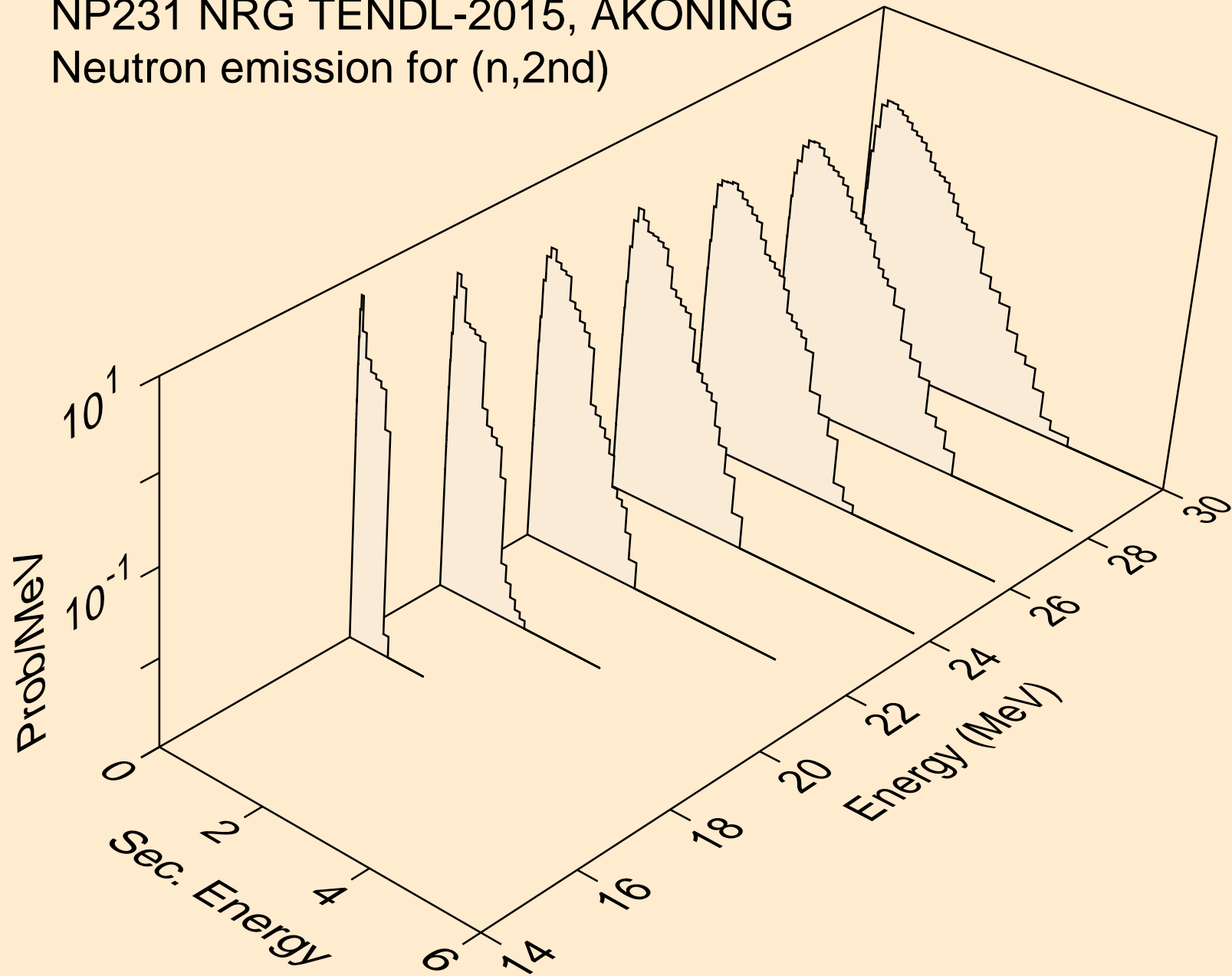
Total fission nubar



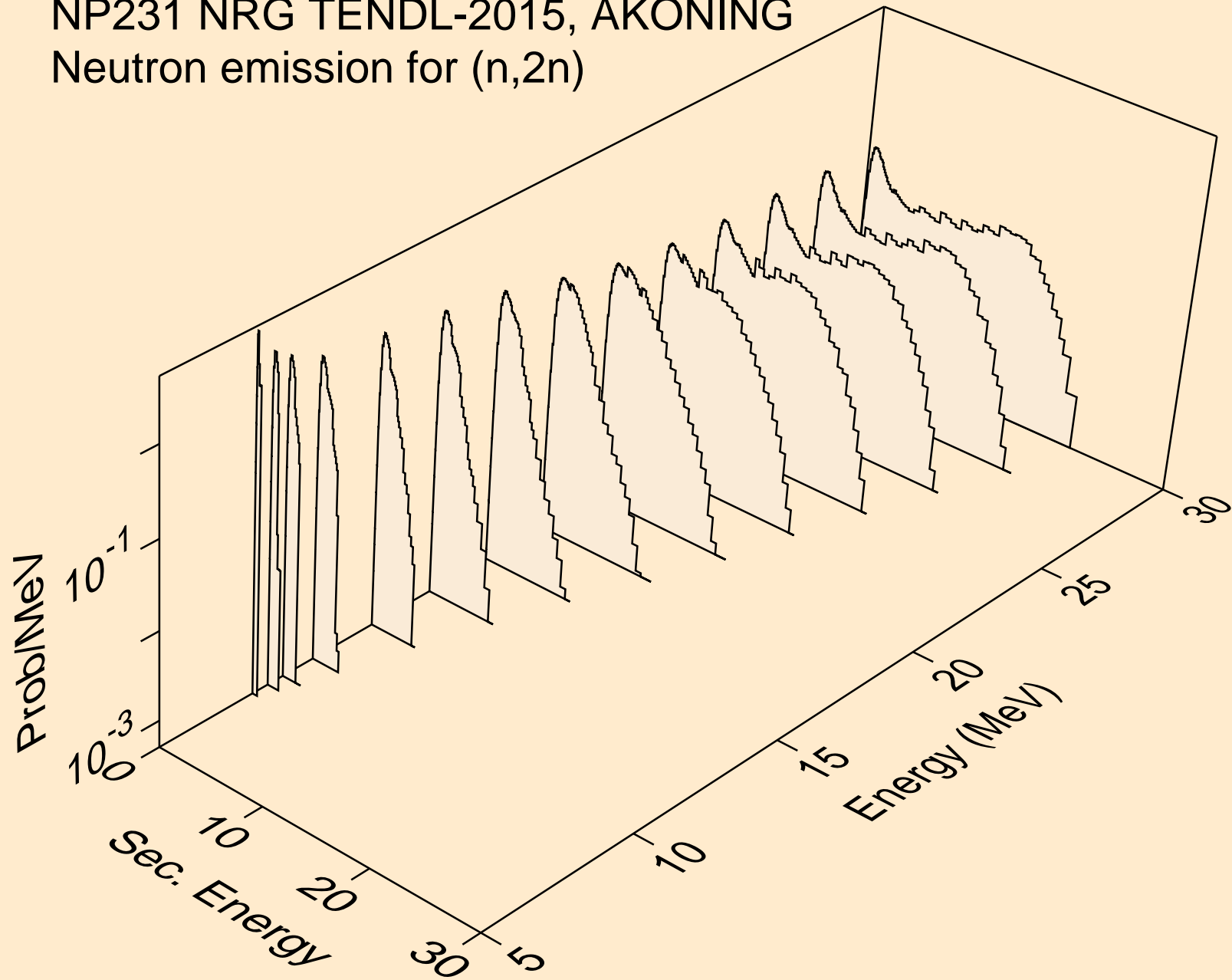
NP231 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



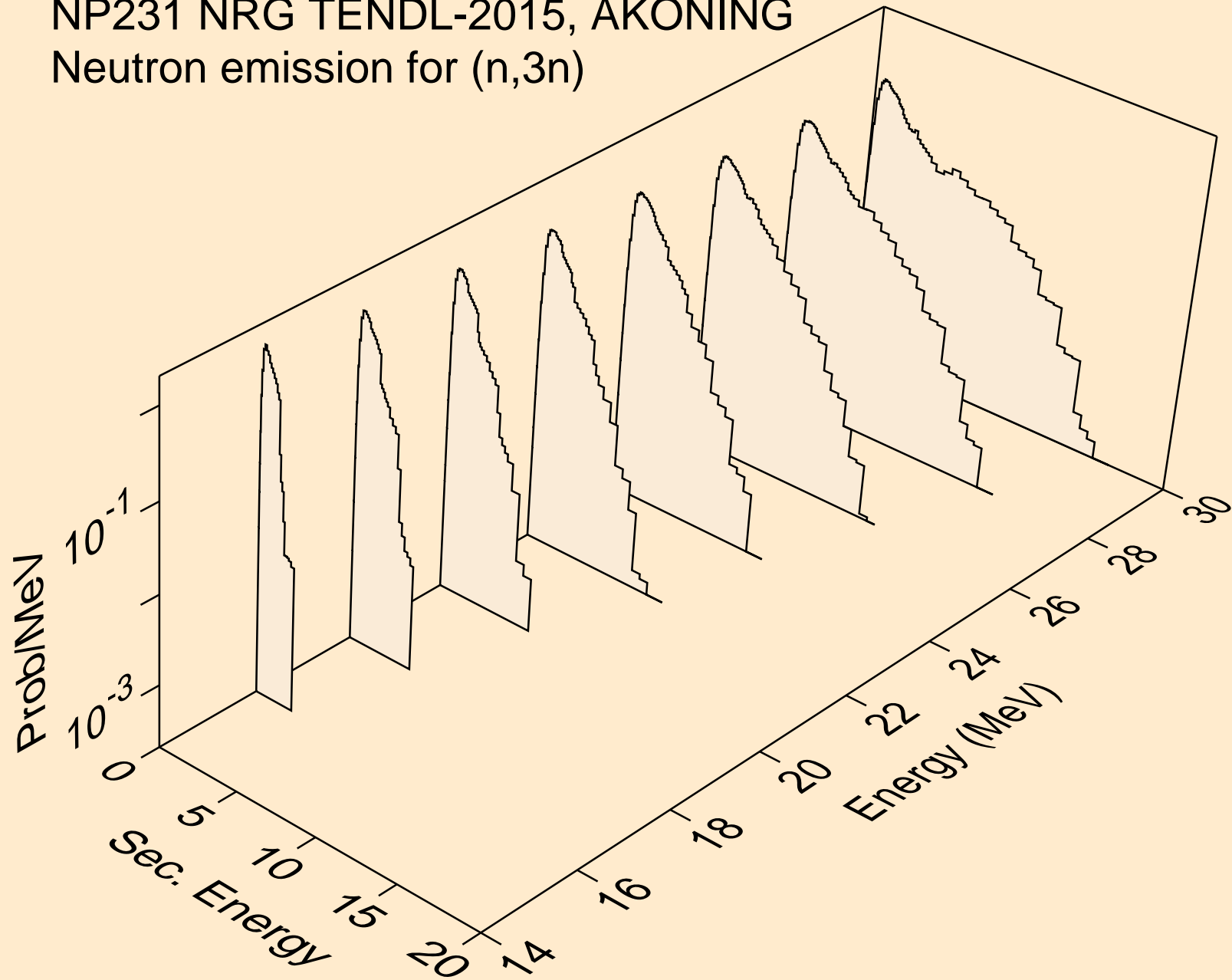
NP231 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



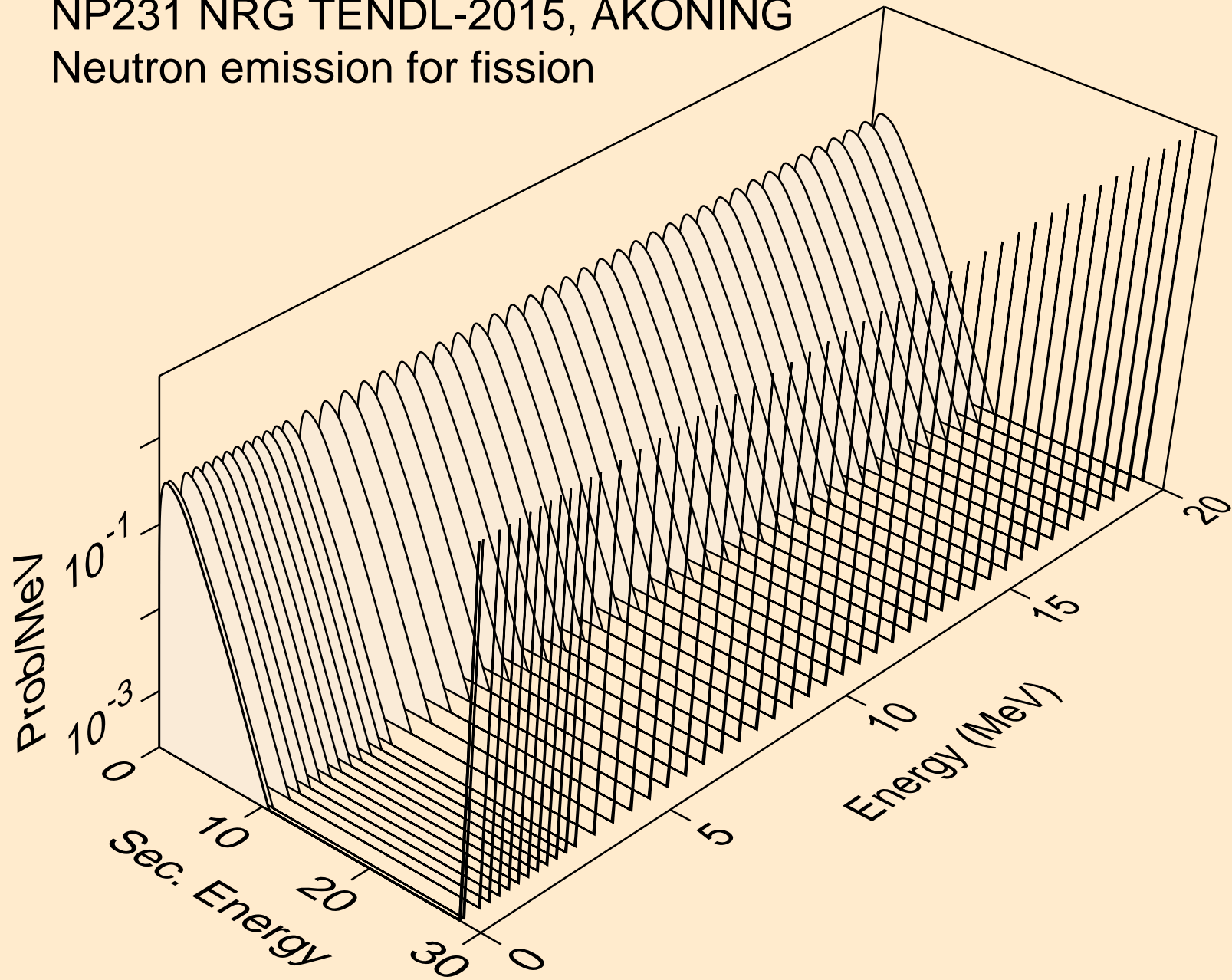
NP231 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



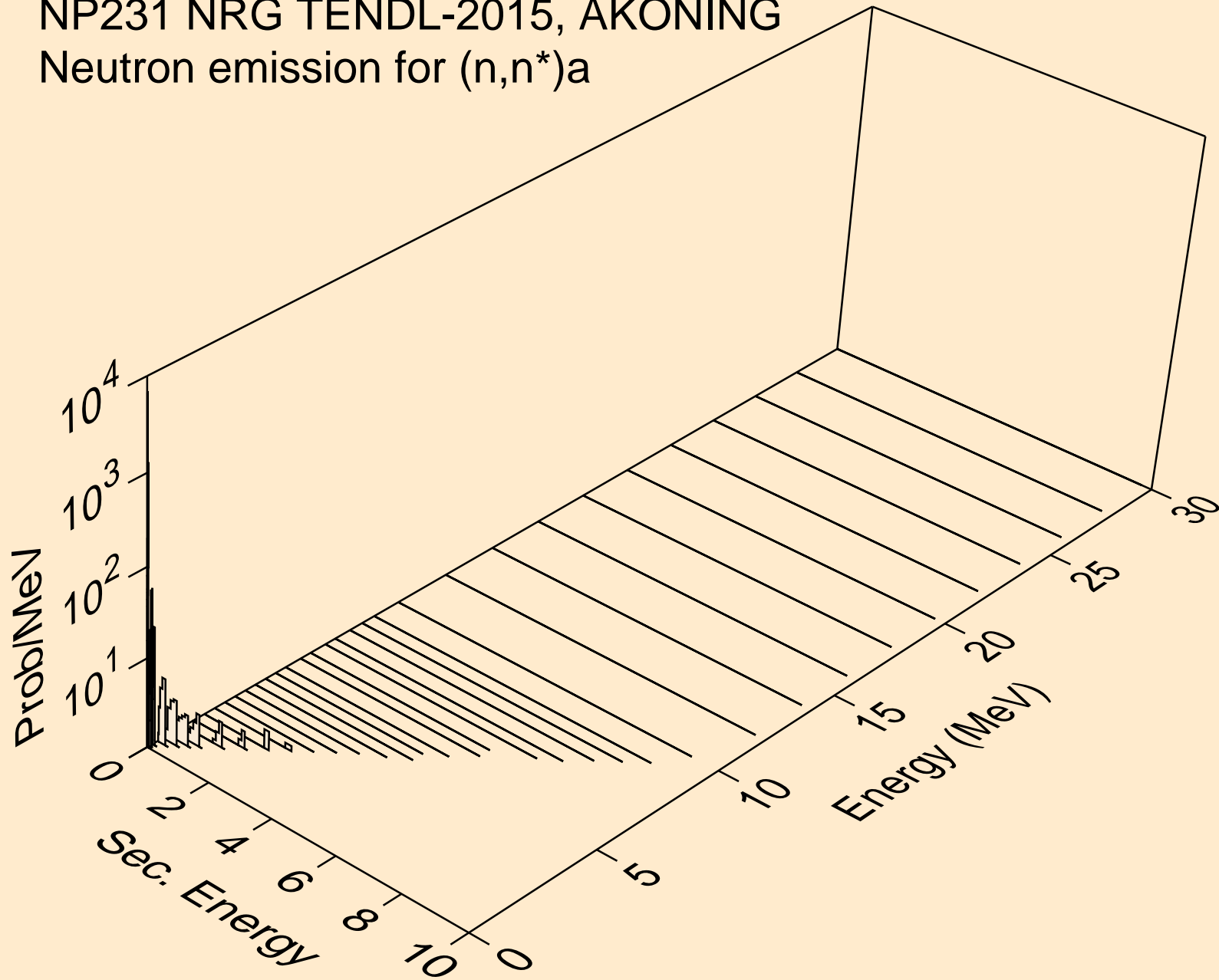
NP231 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



NP231 NRG TENDL-2015, AKONING  
Neutron emission for fission

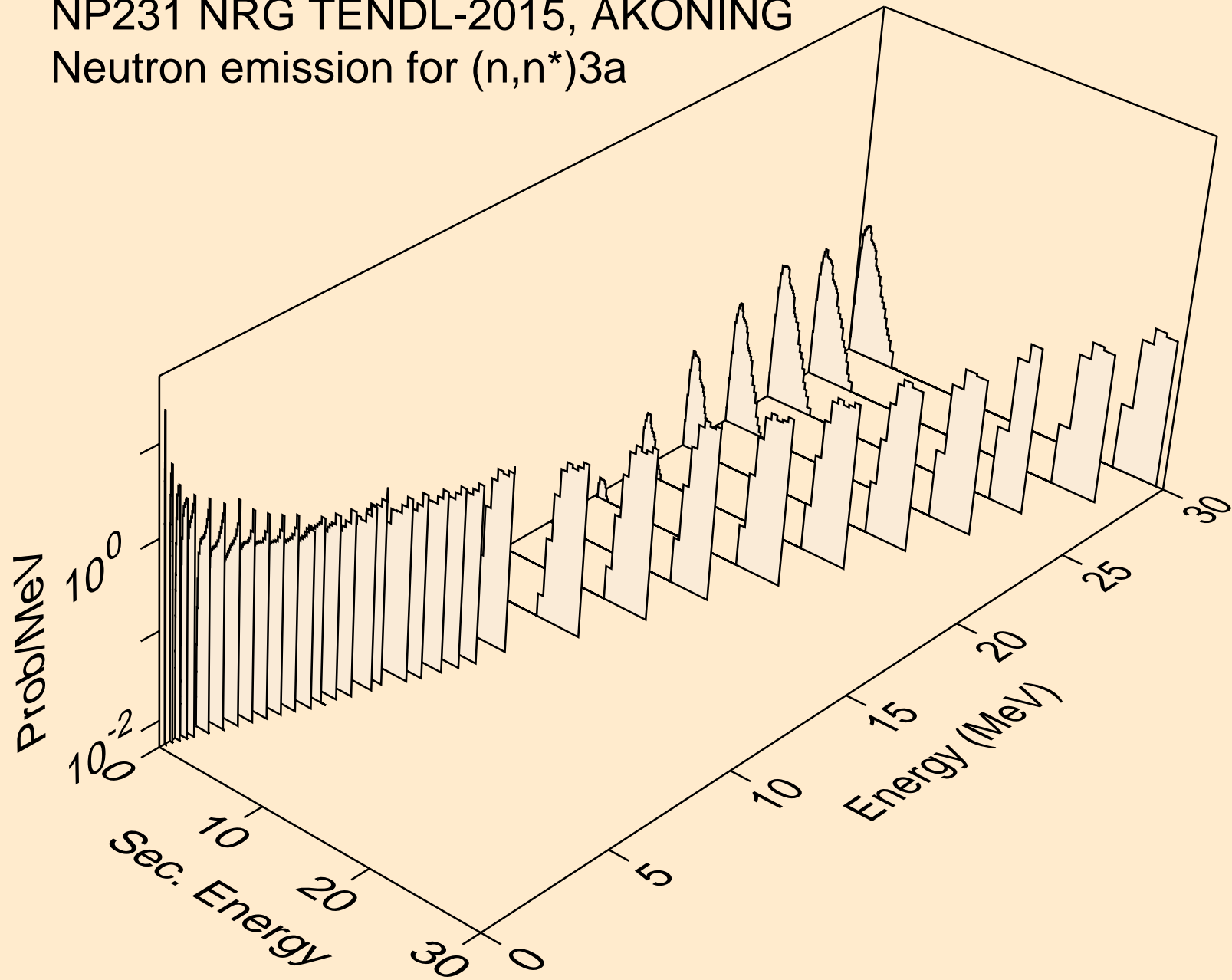


NP231 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a

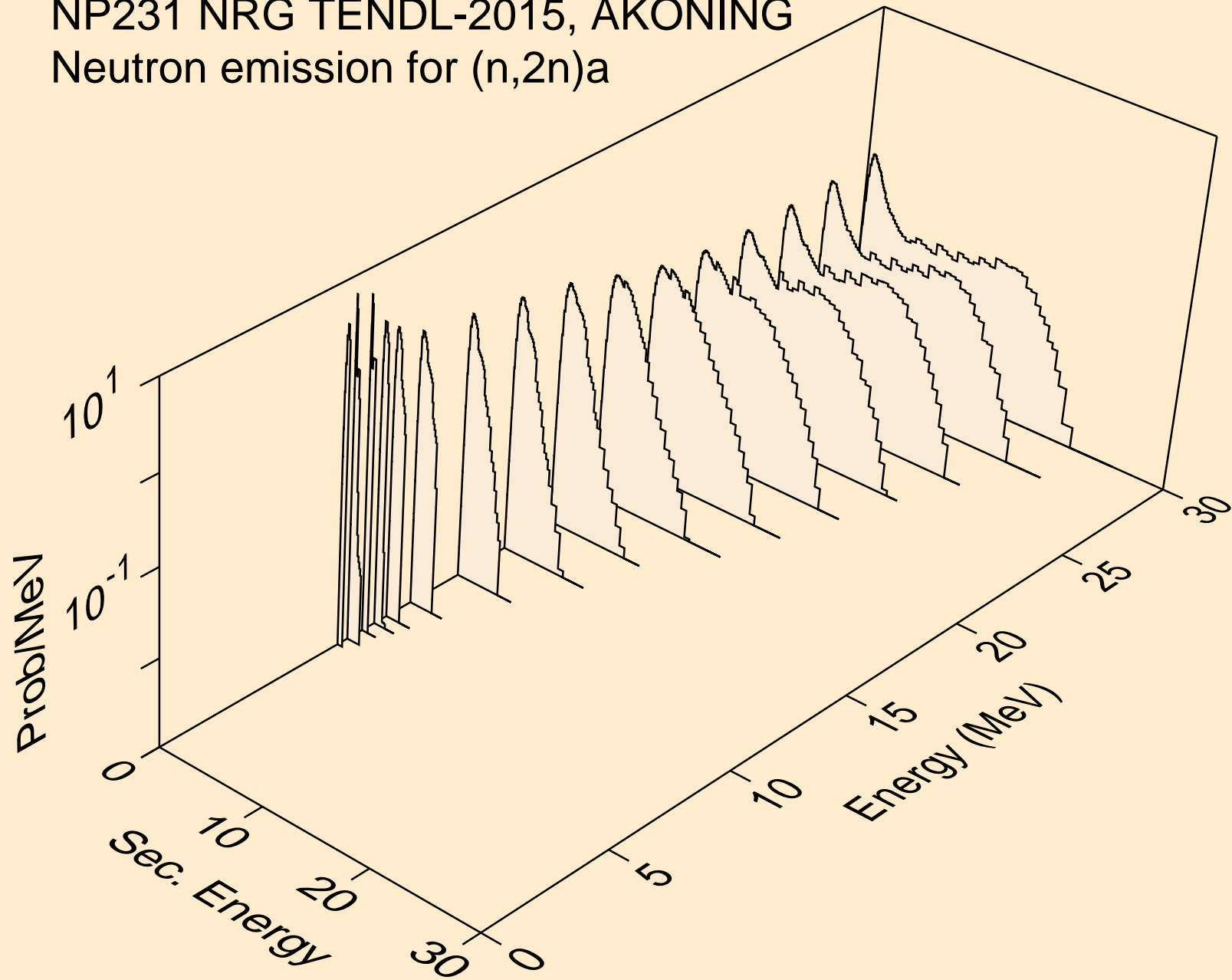




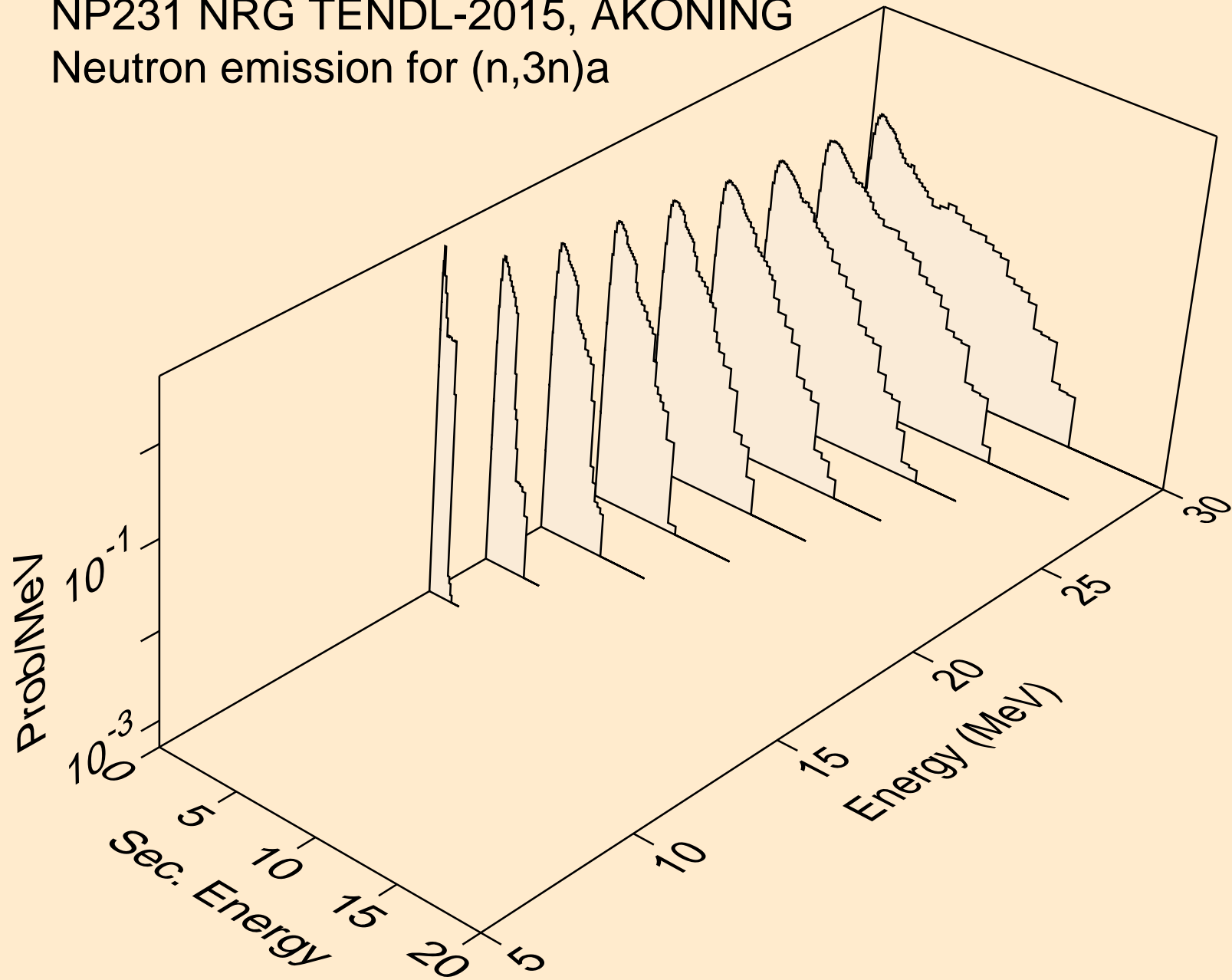
NP231 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)3a



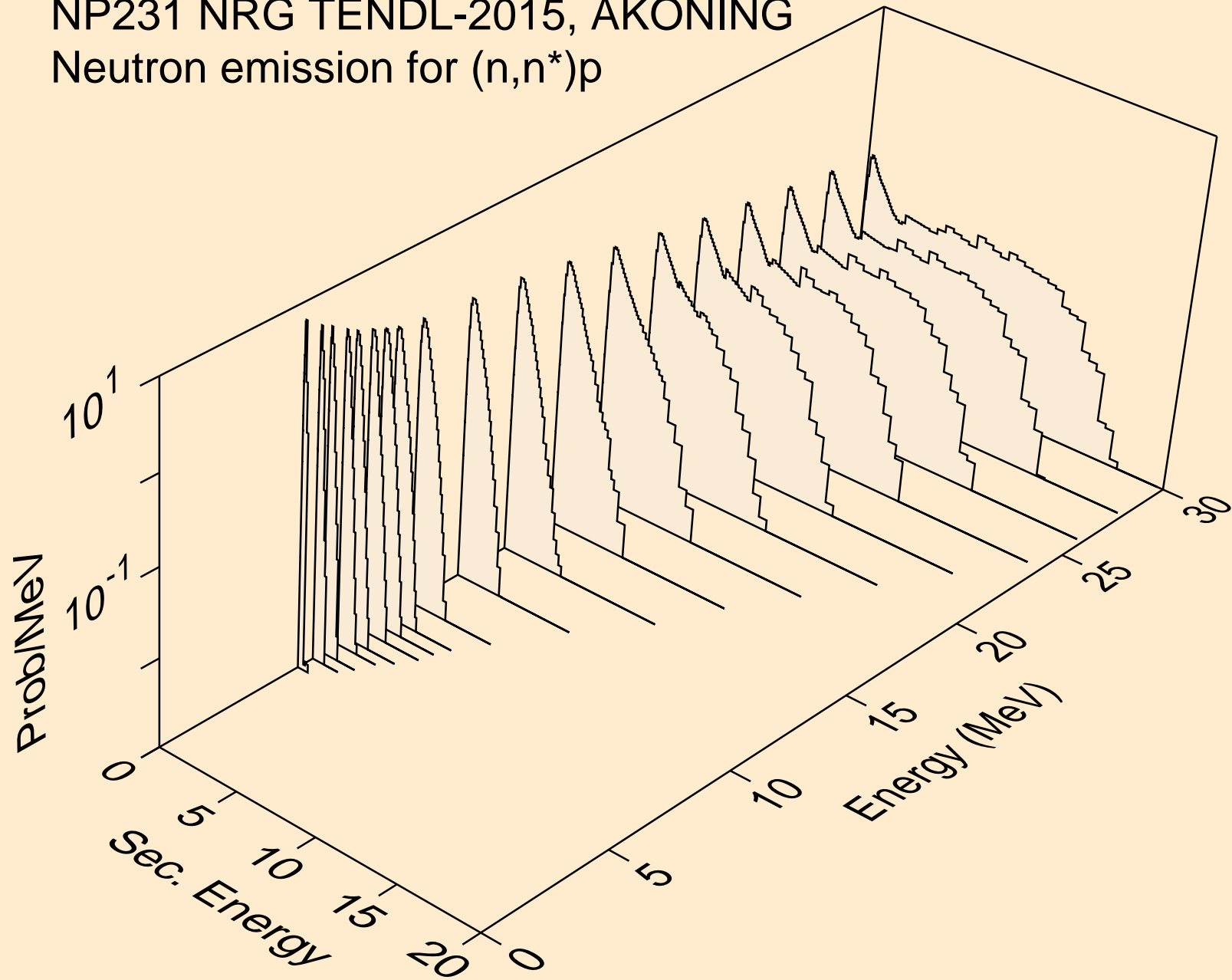
NP231 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)<sub>a</sub>



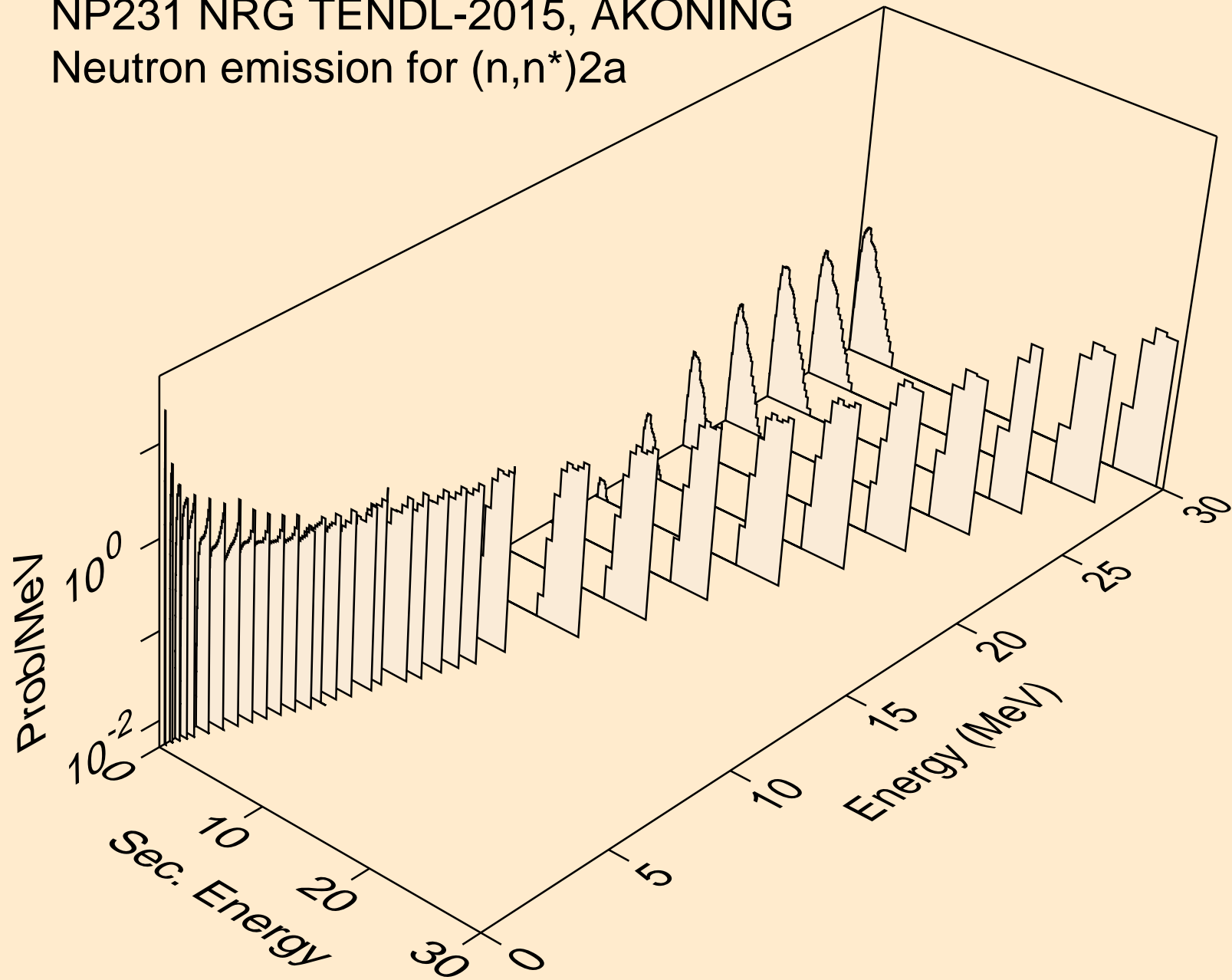
NP231 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



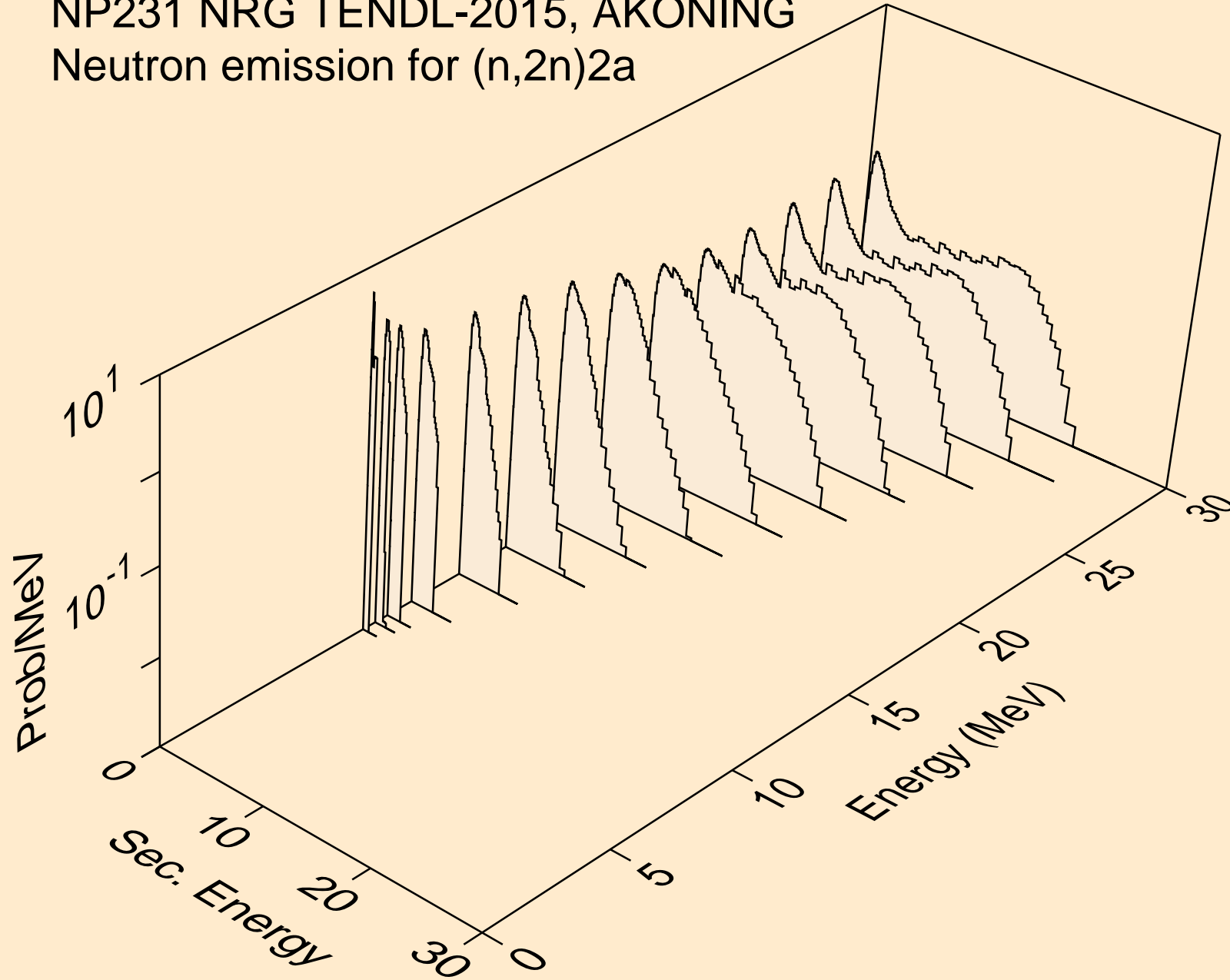
NP231 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



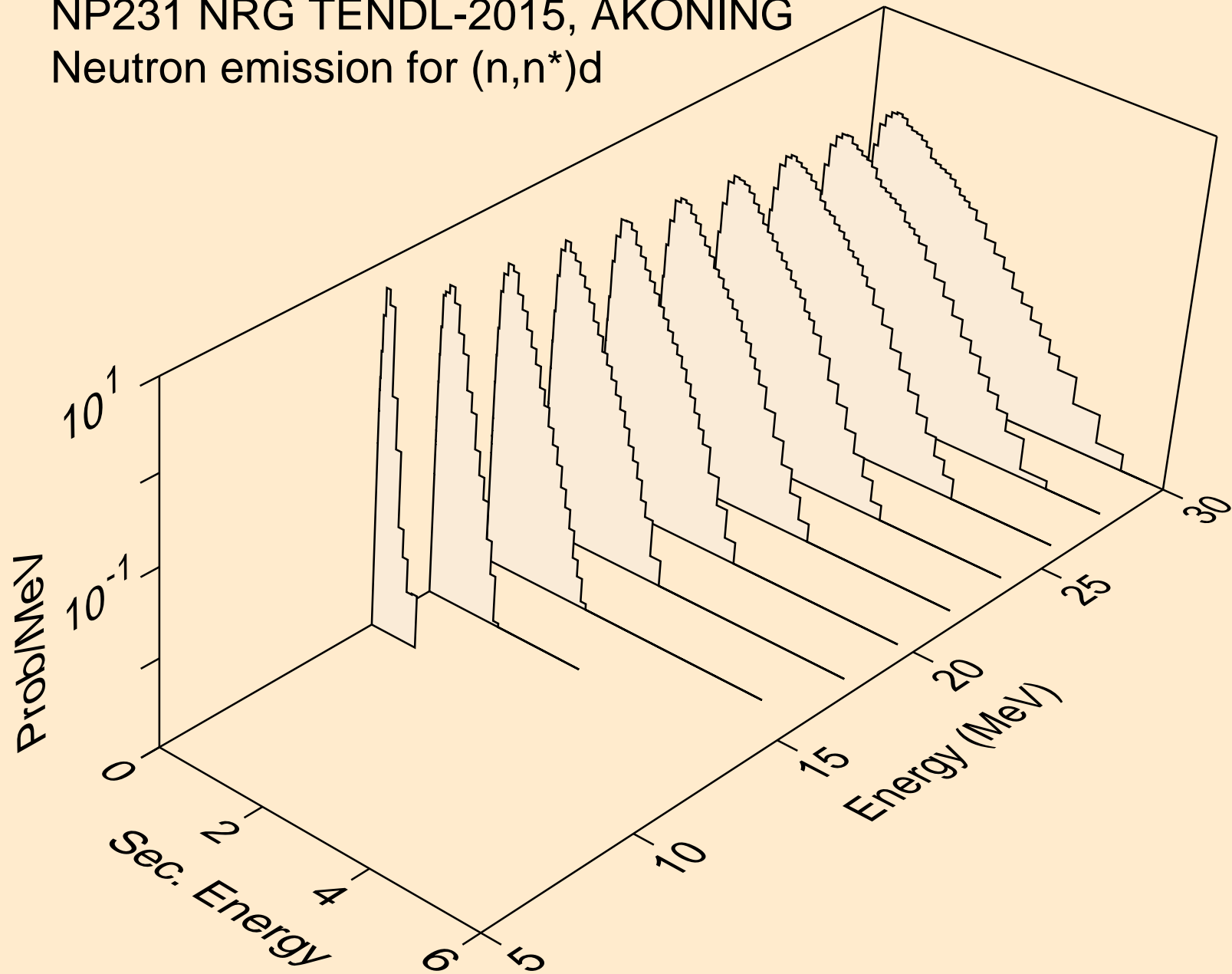
NP231 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



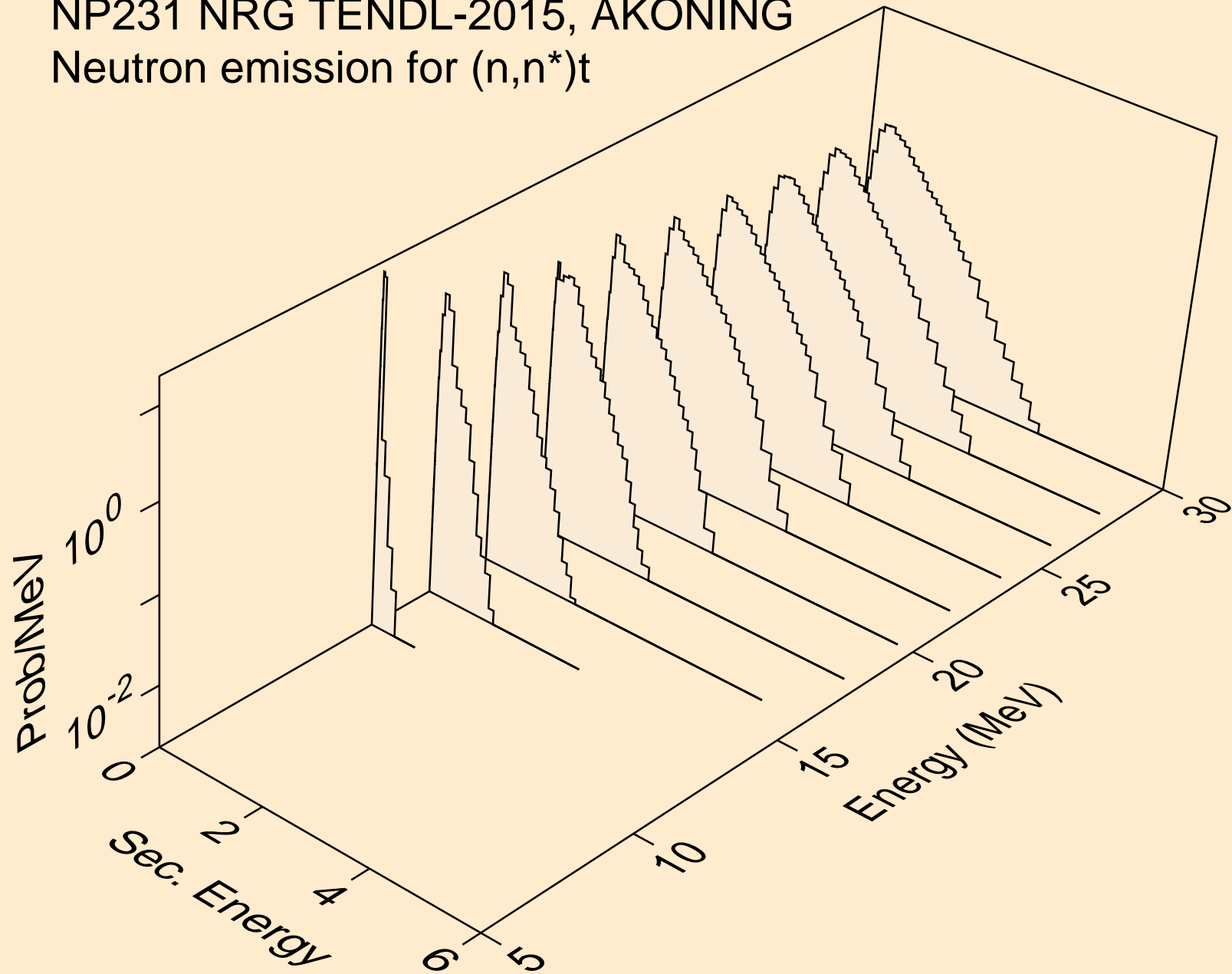
NP231 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)2a



NP231 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d

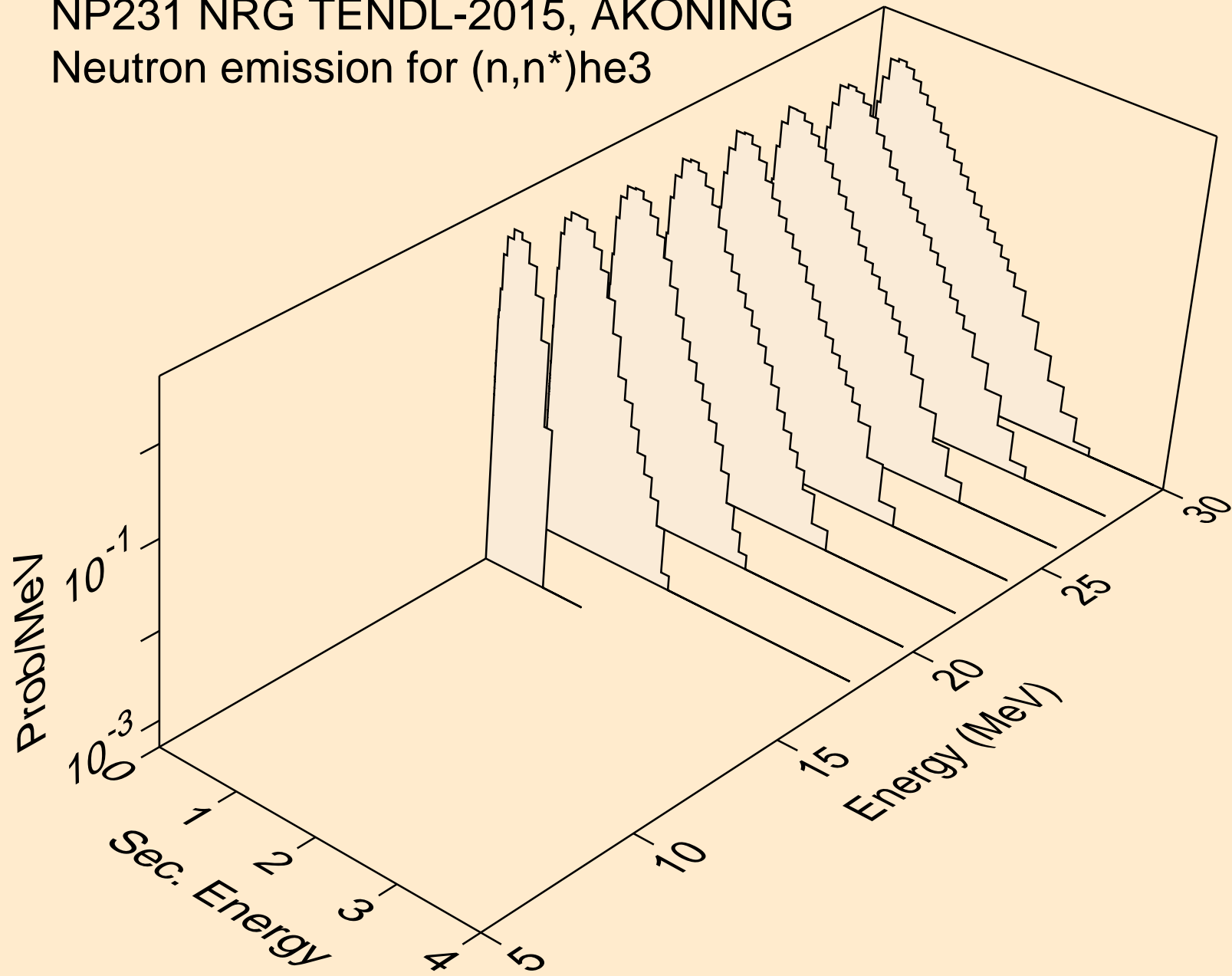


NP231 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t

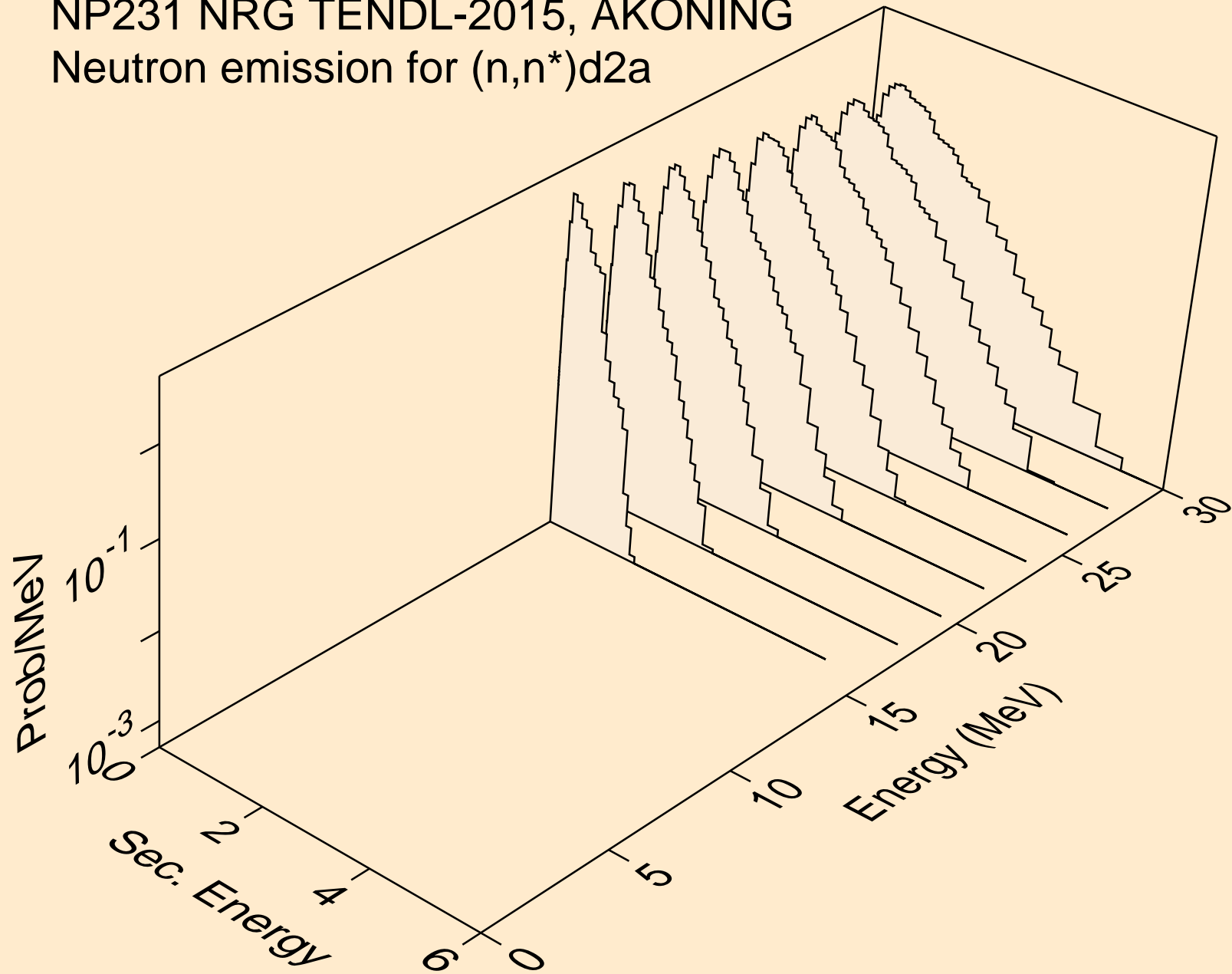




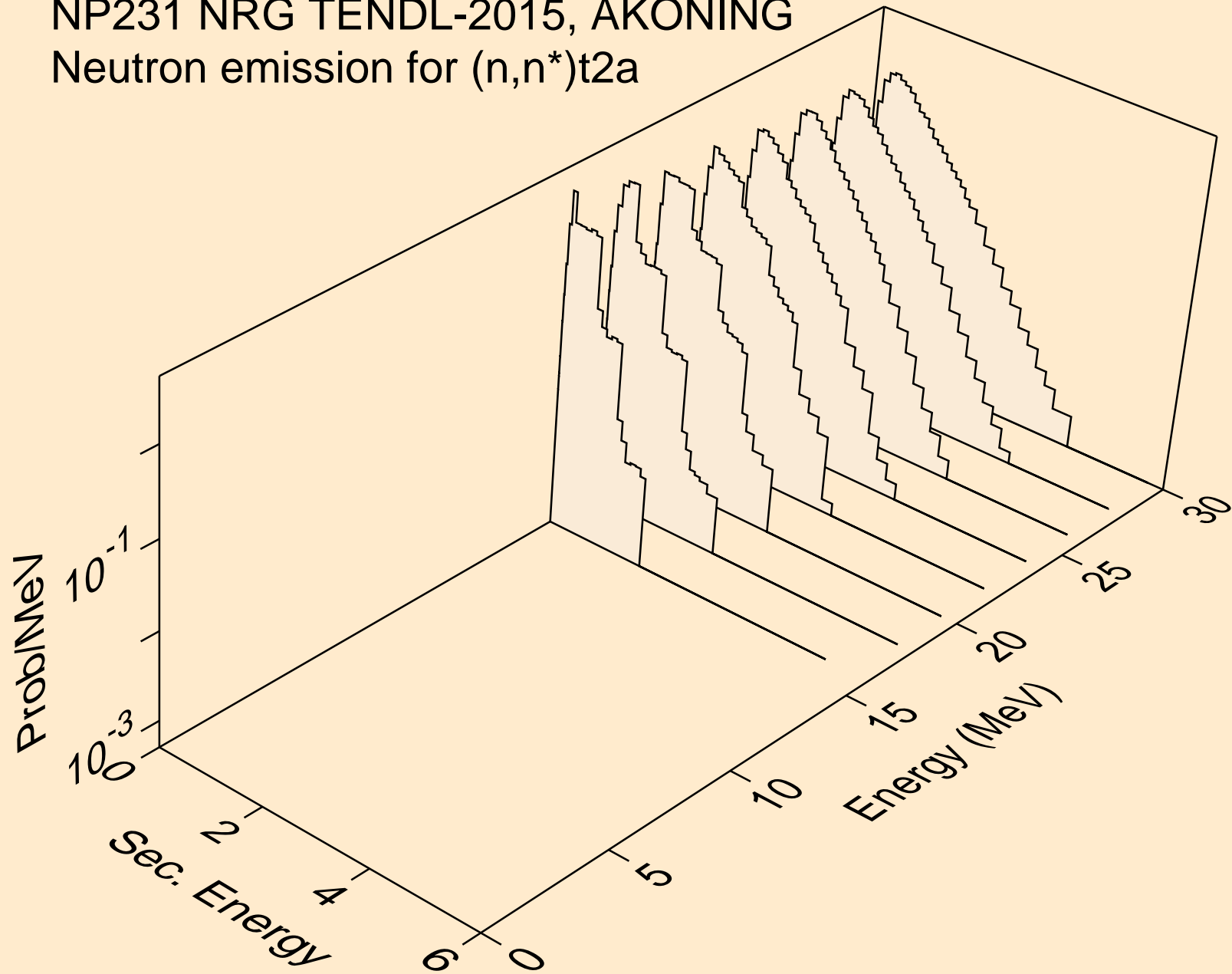
NP231 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



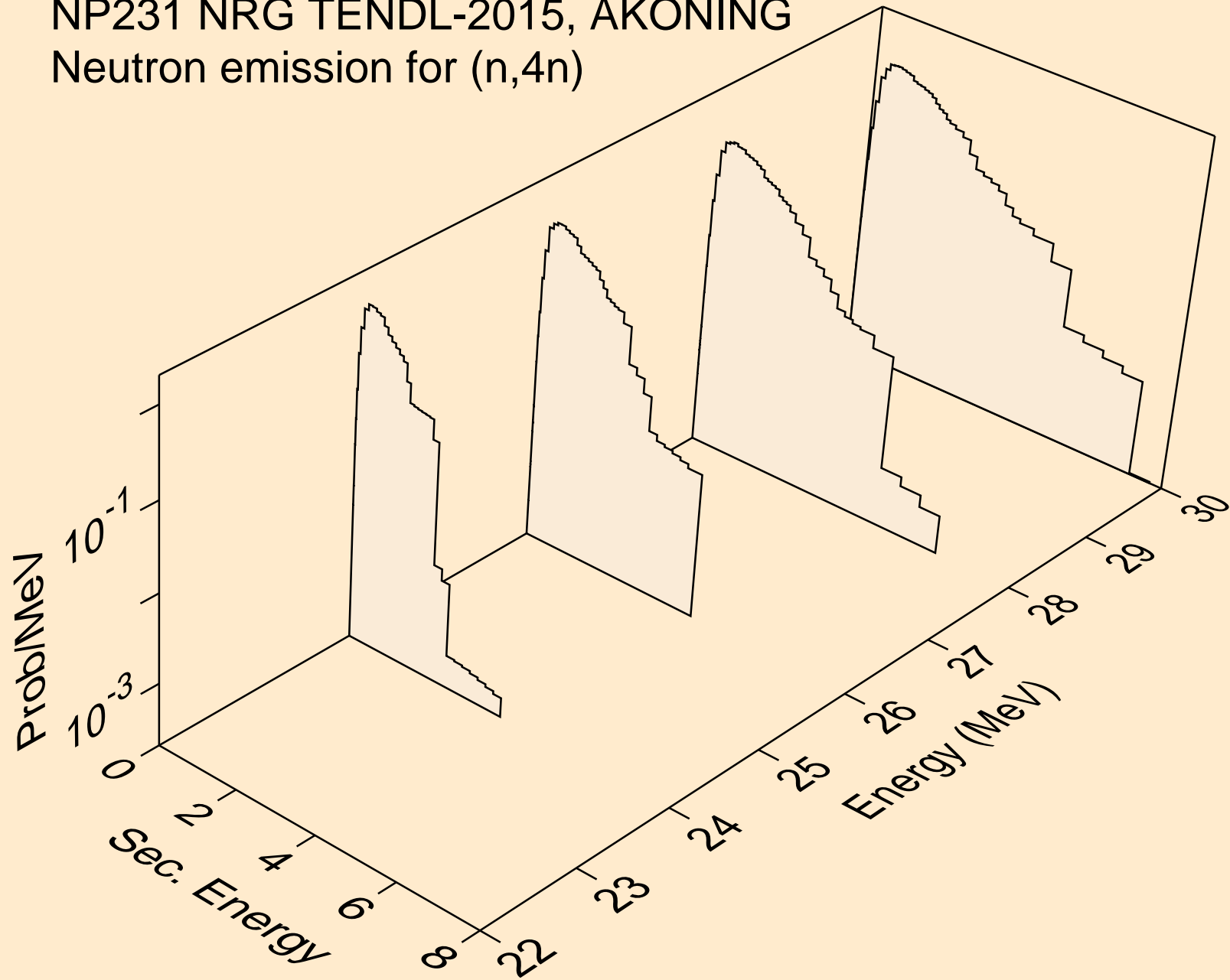
NP231 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d2a



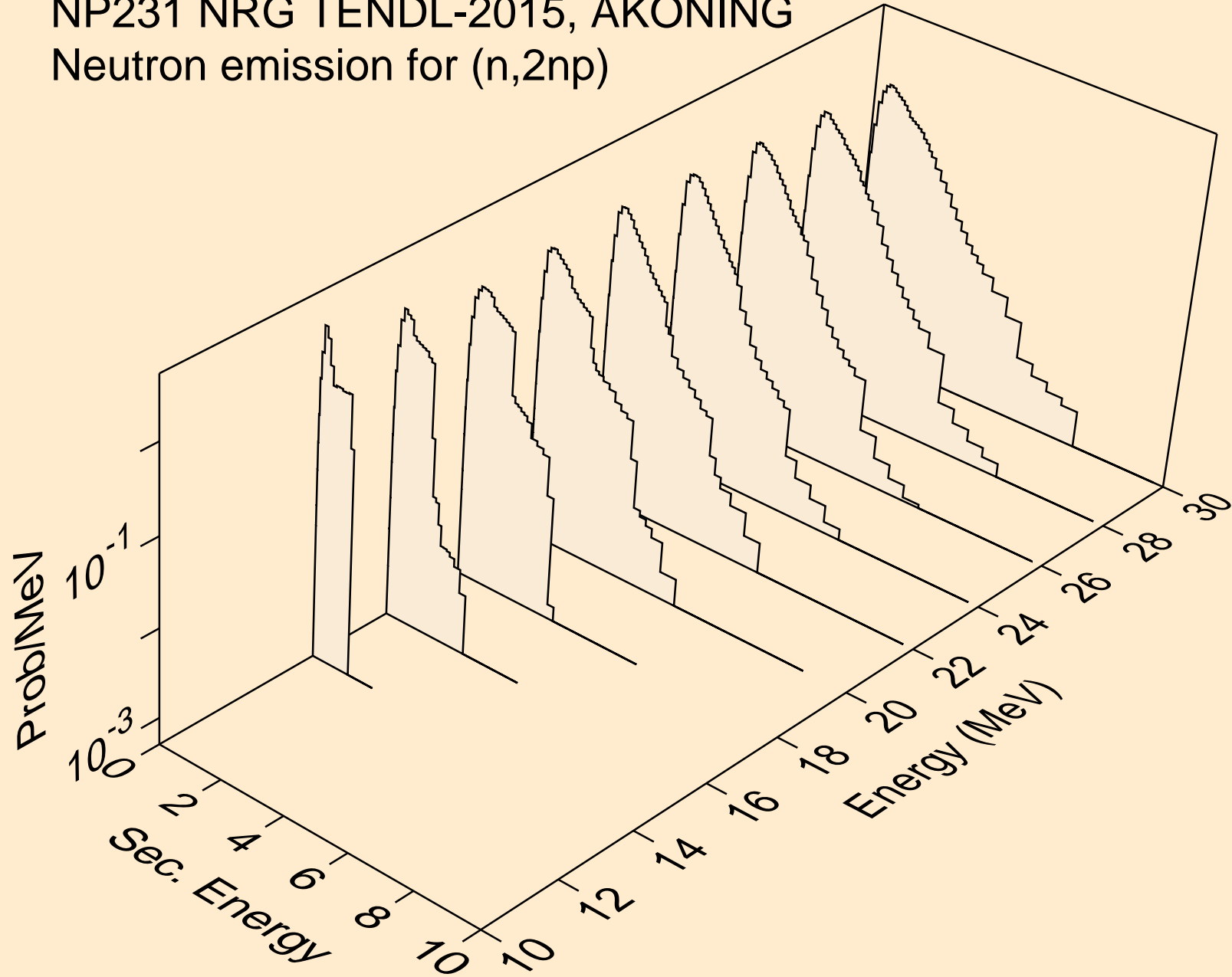
NP231 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t2a



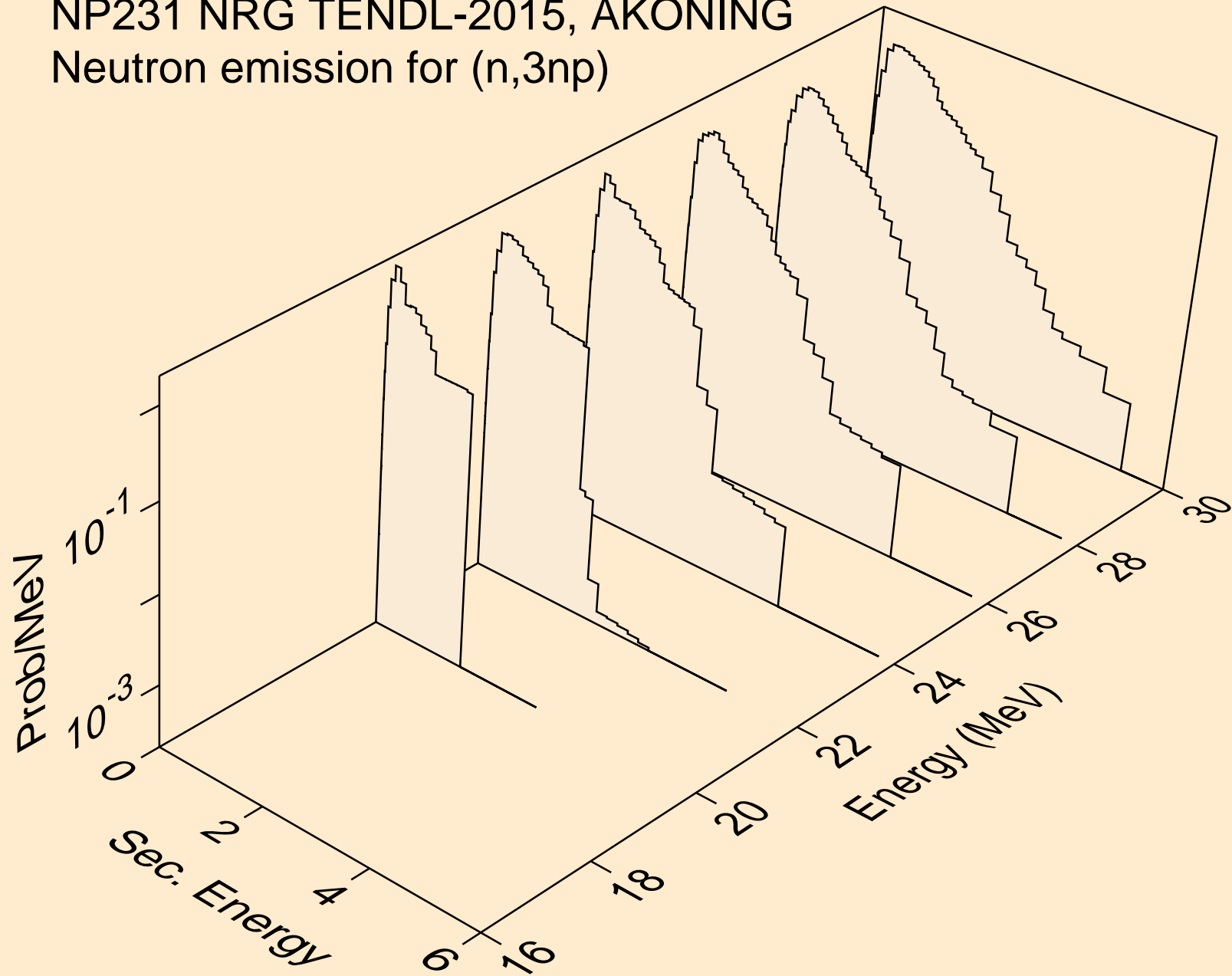
NP231 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



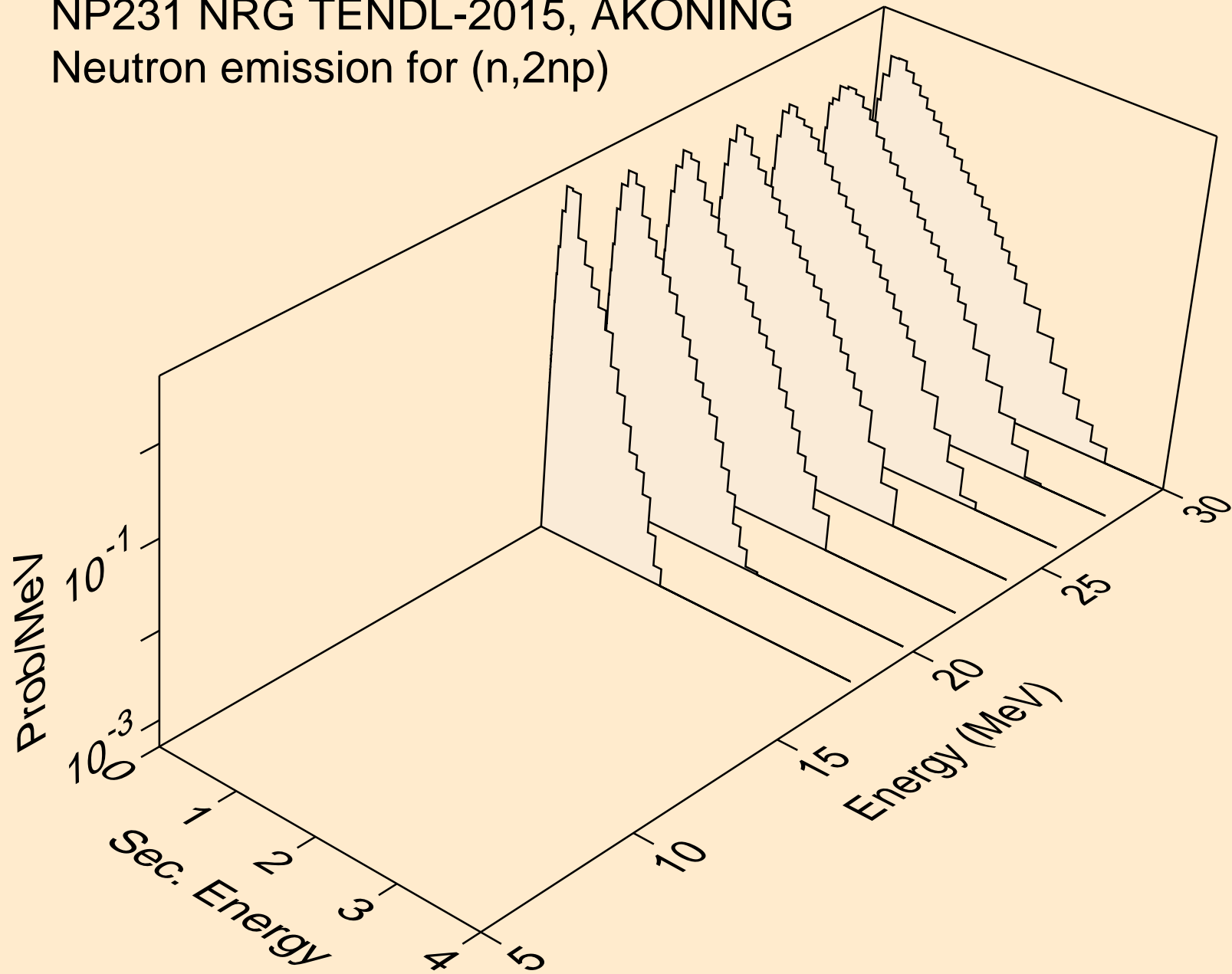
NP231 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



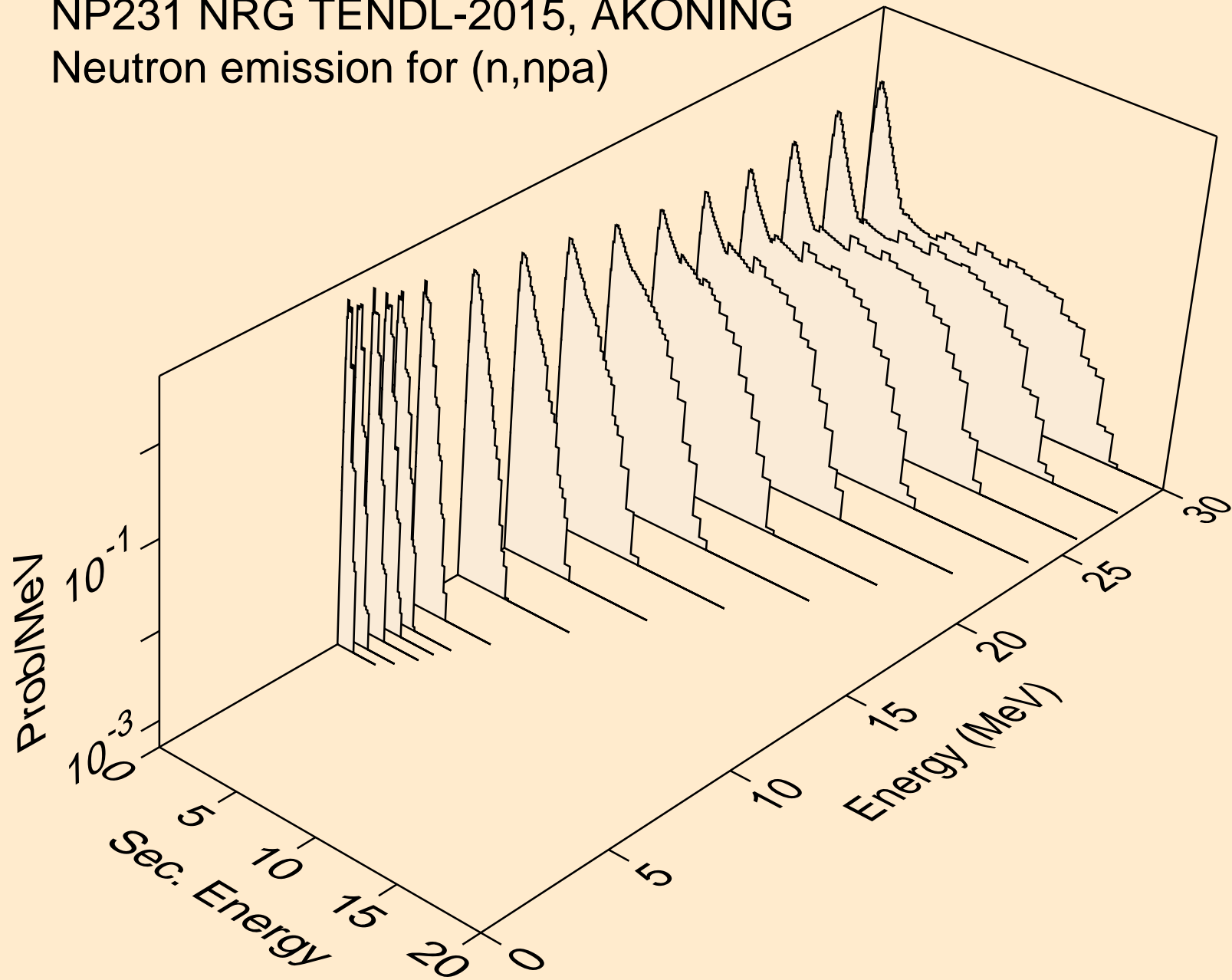
NP231 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



NP231 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)

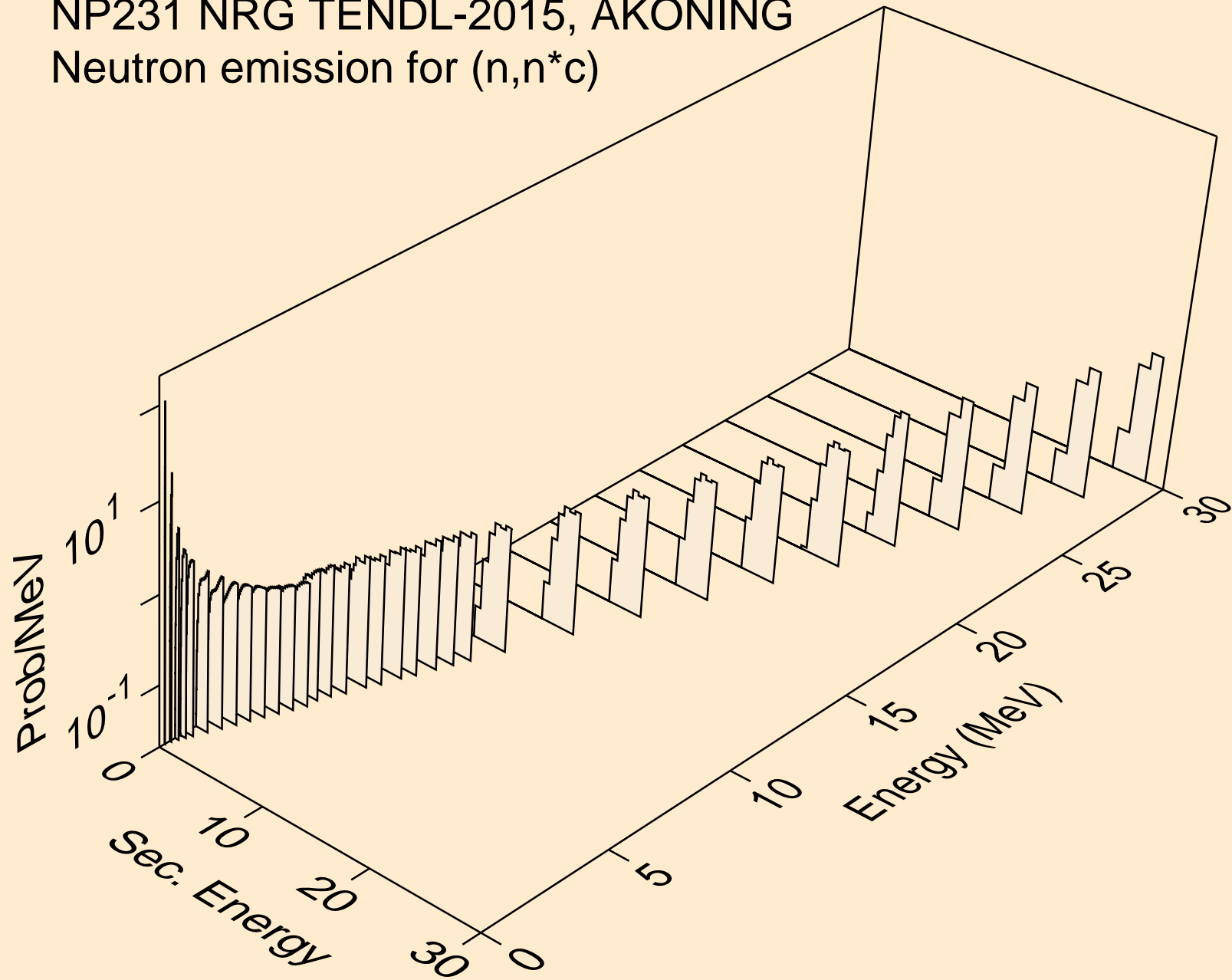


NP231 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



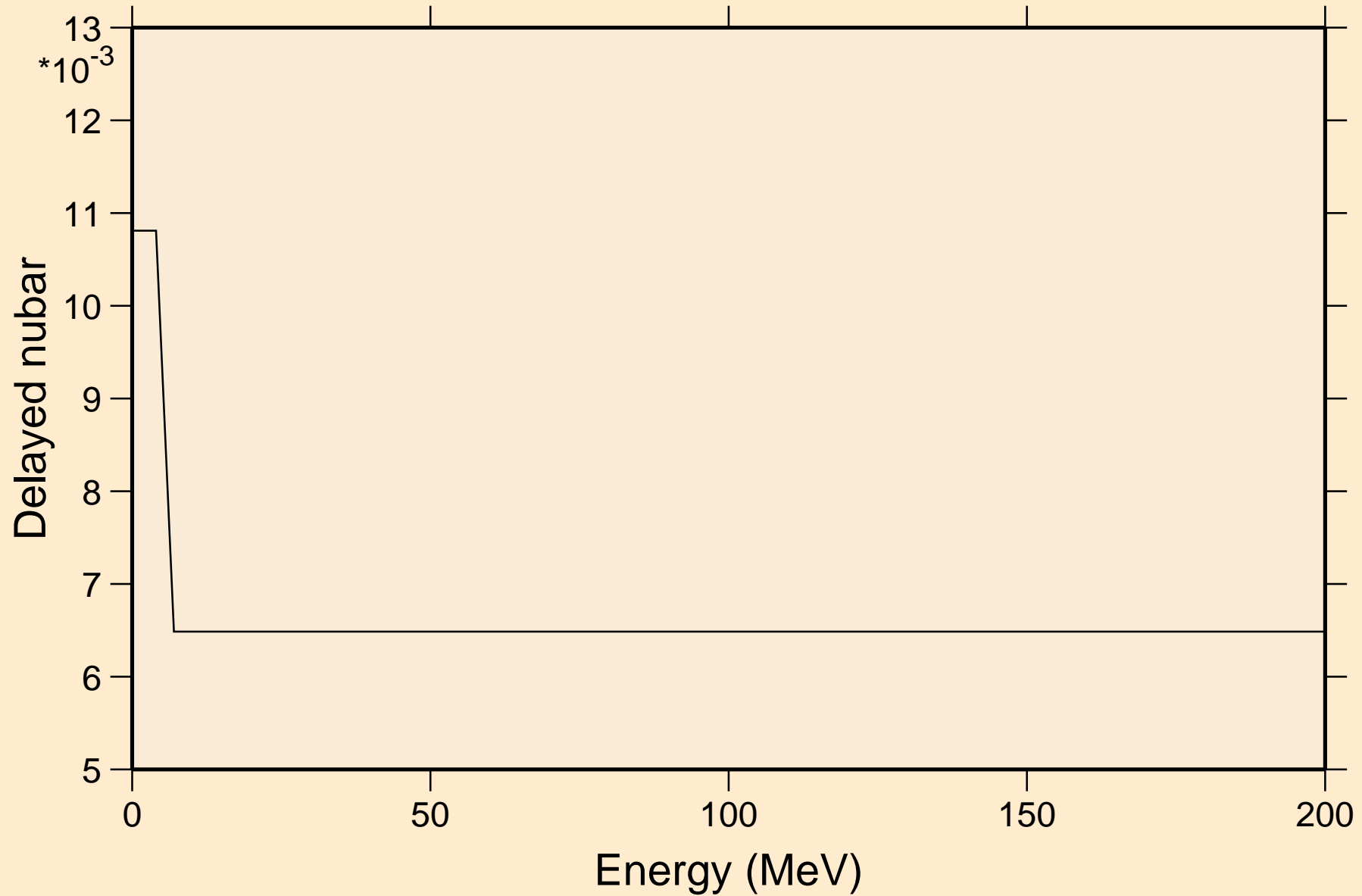


NP231 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



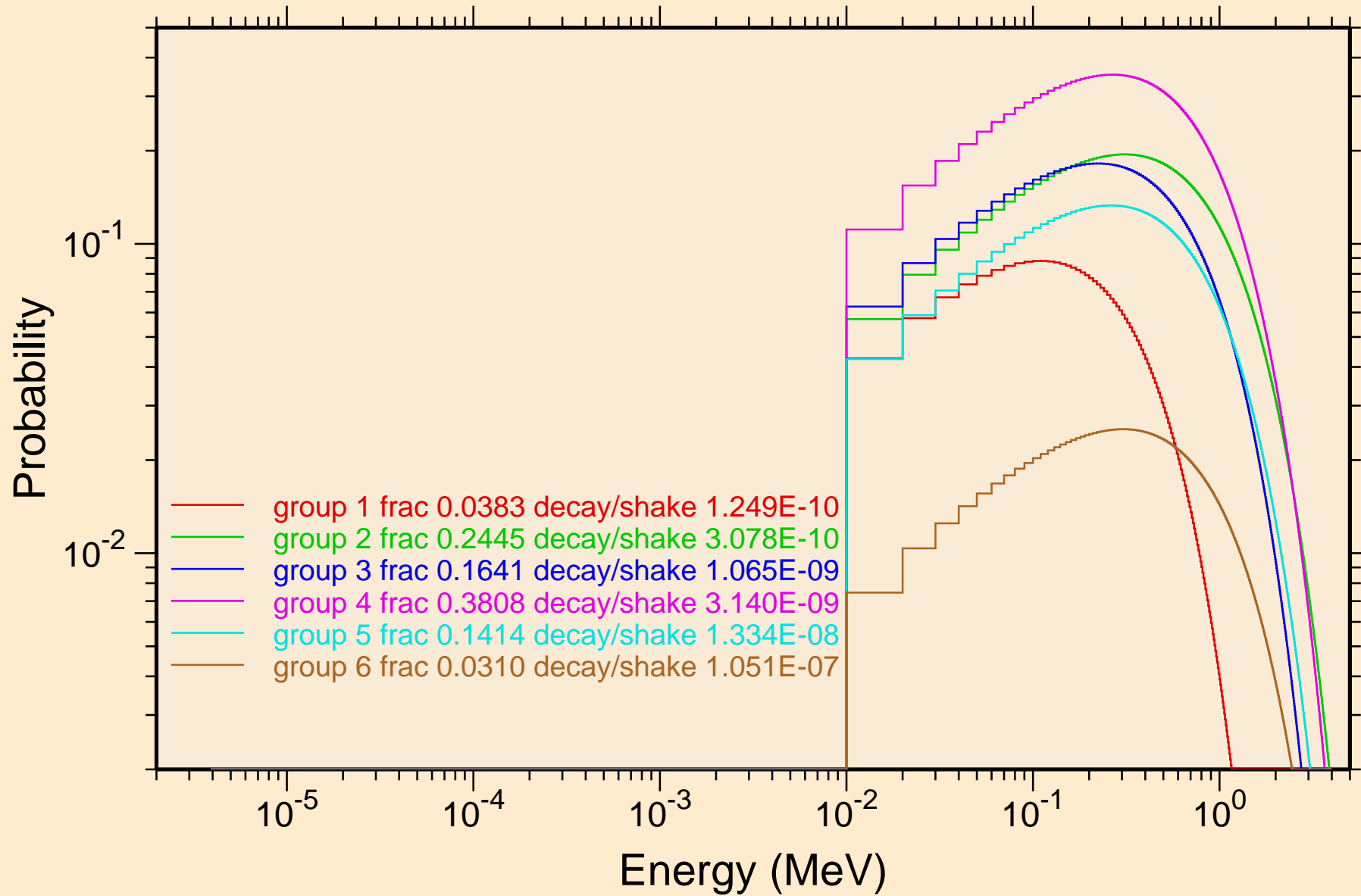
# NP231 NRG TENDL-2015, AKONING

Delayed nubar

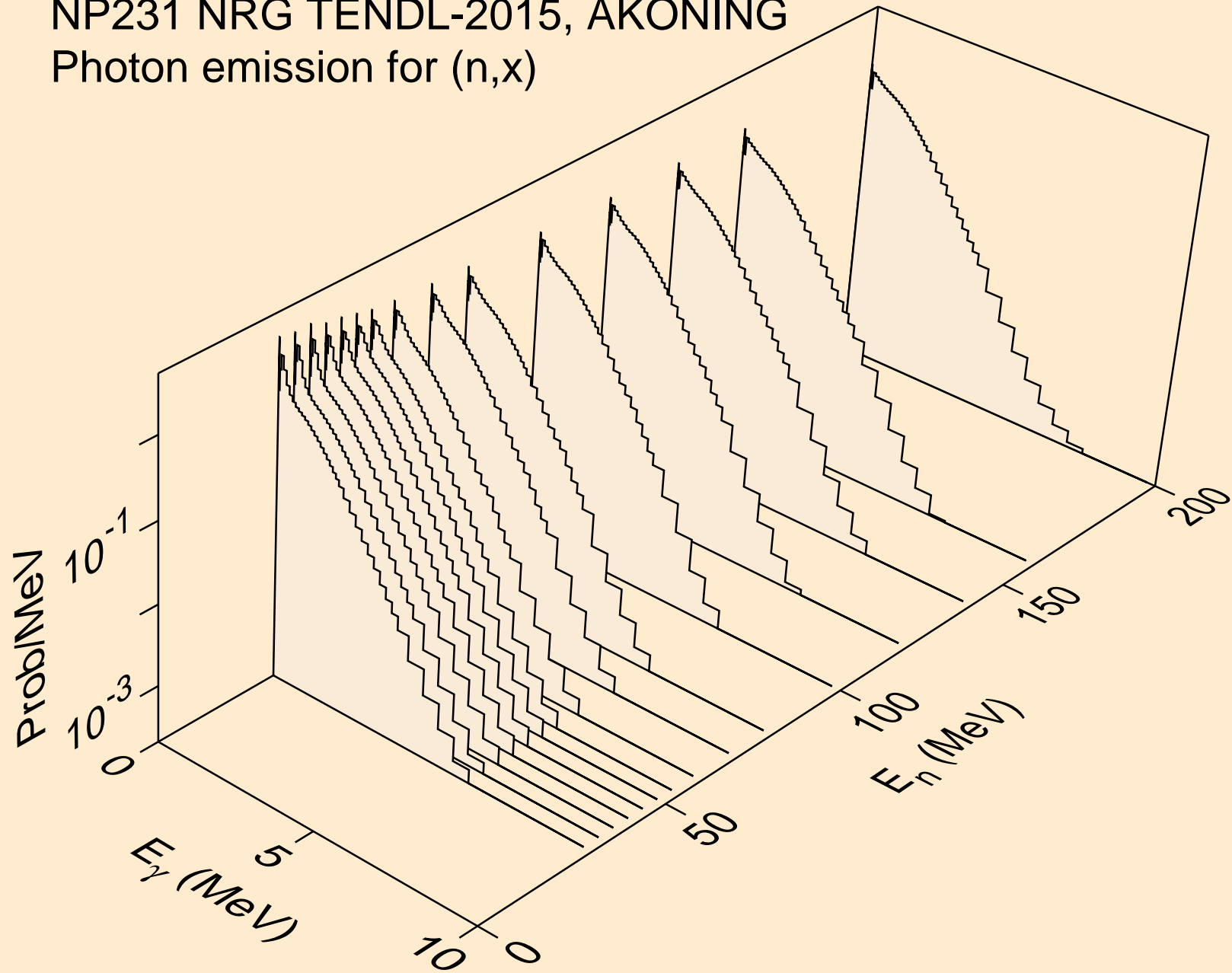


# NP231 NRG TENDL-2015, AKONING

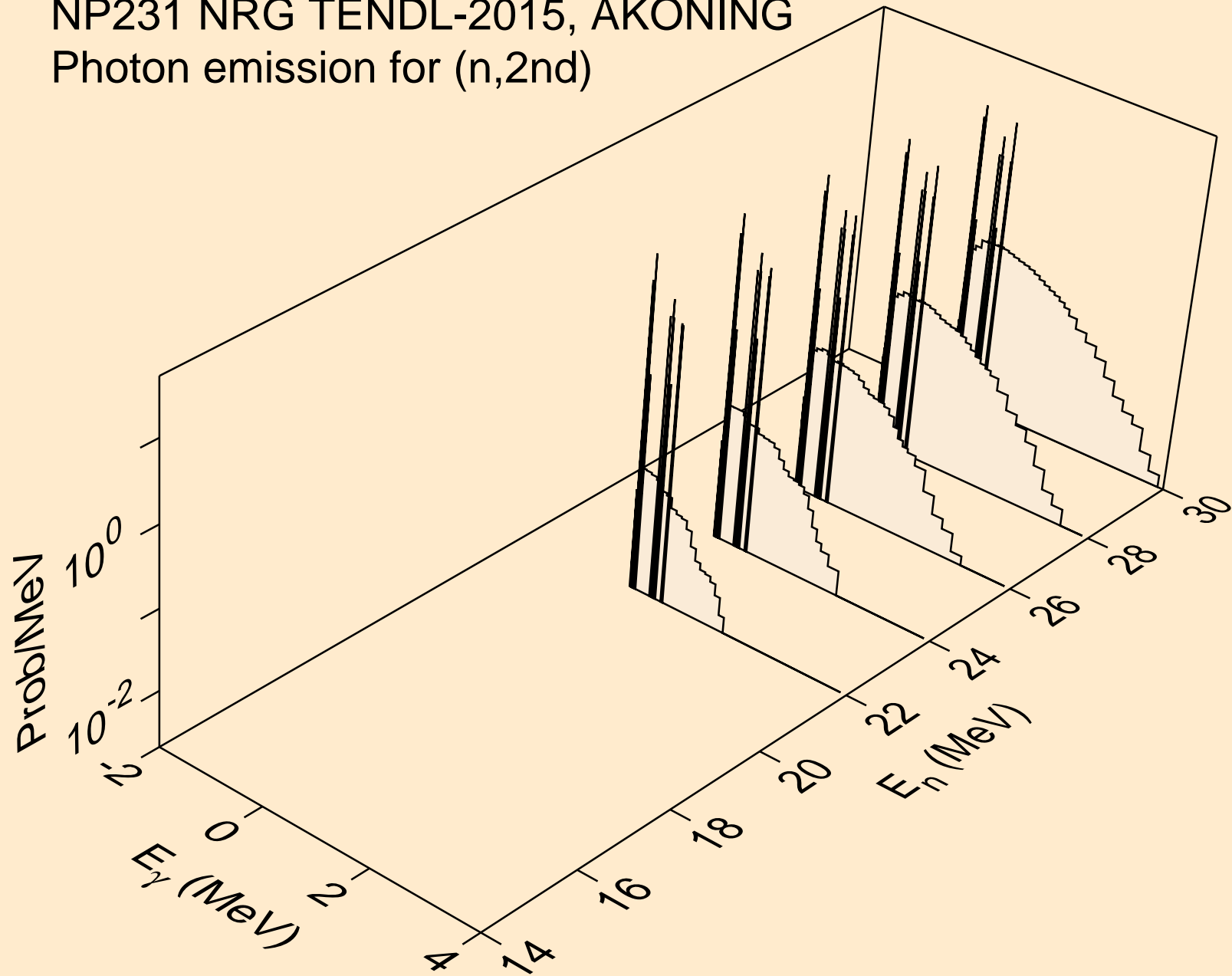
## Delayed neutron spectra



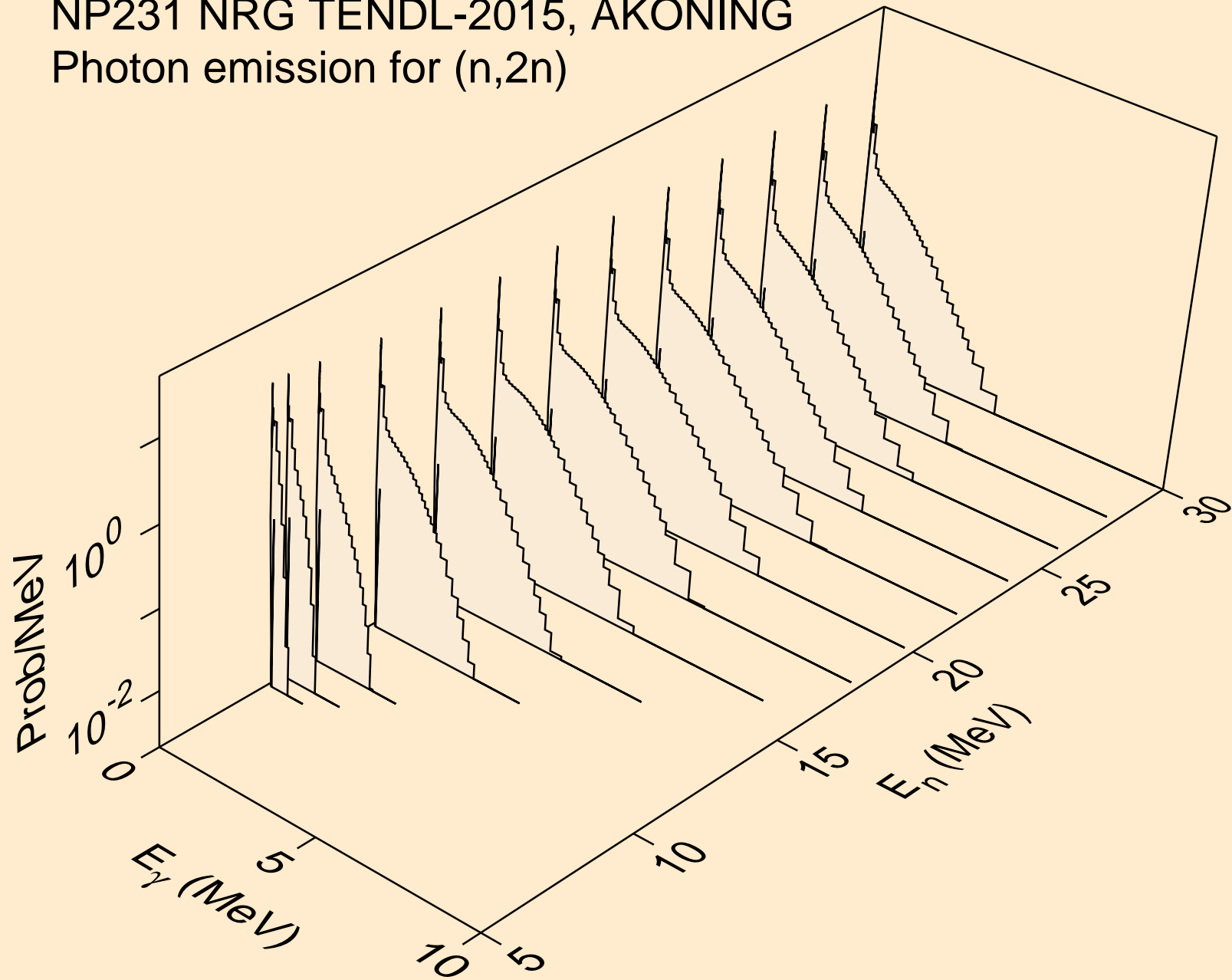
NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



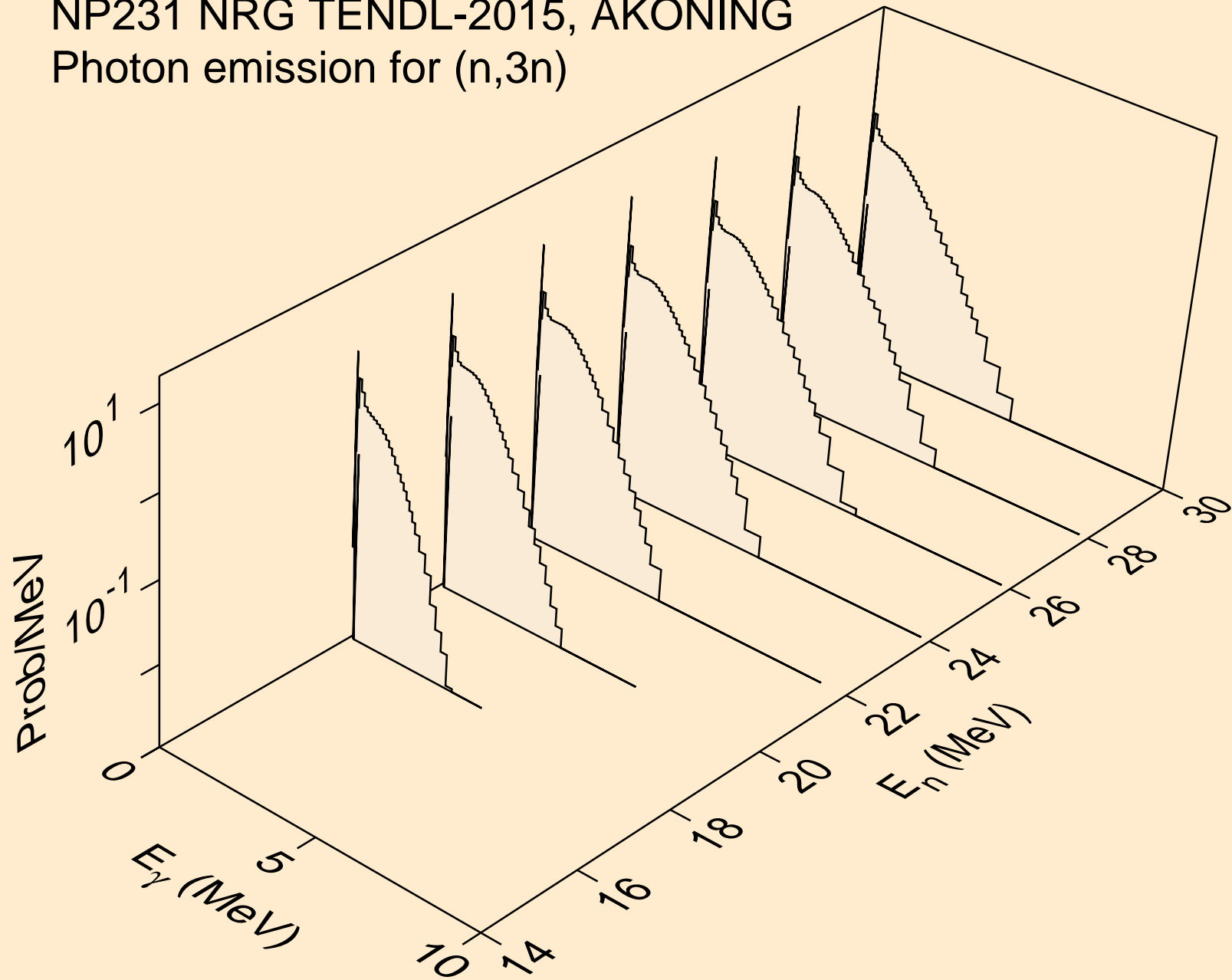
NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



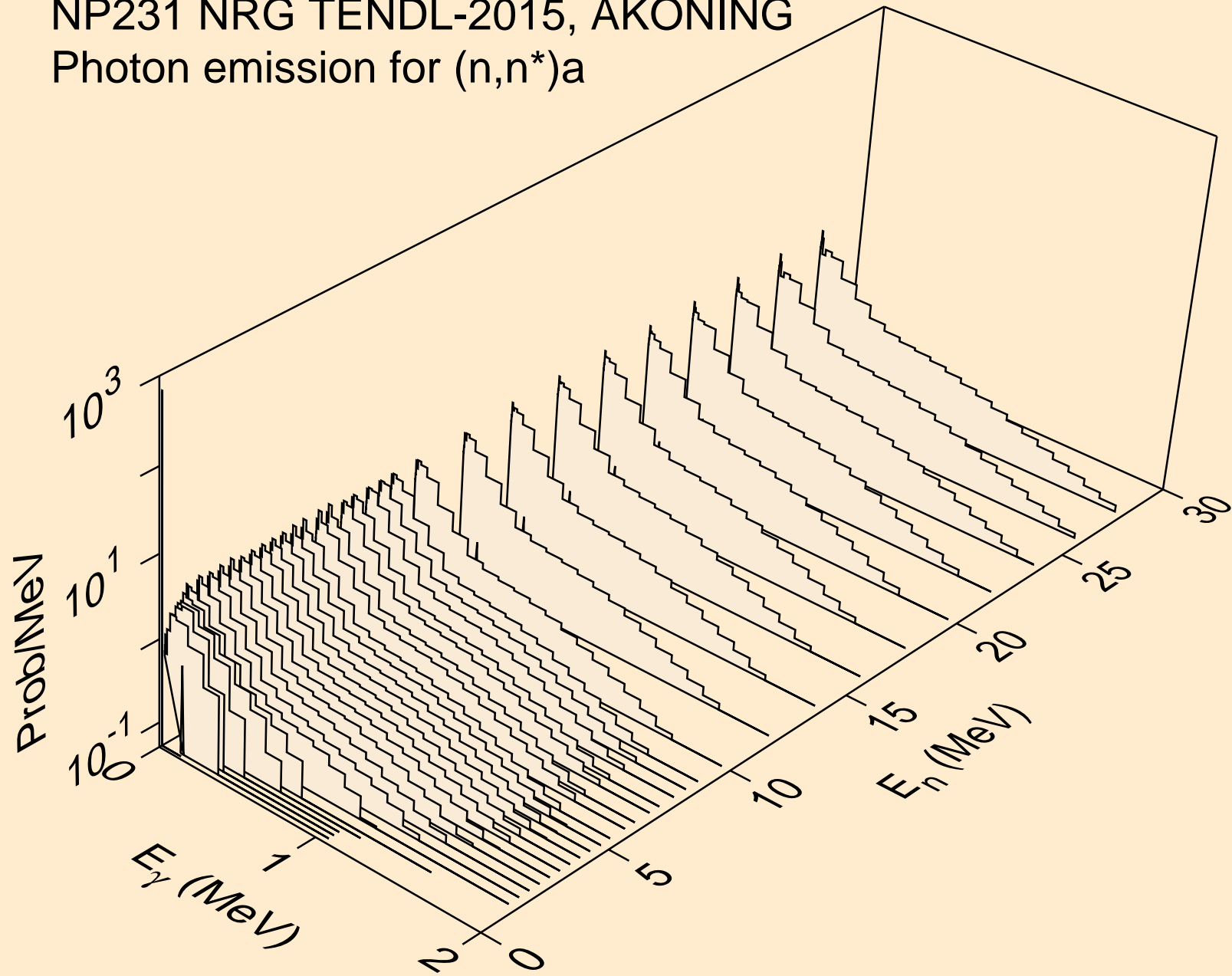
NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)

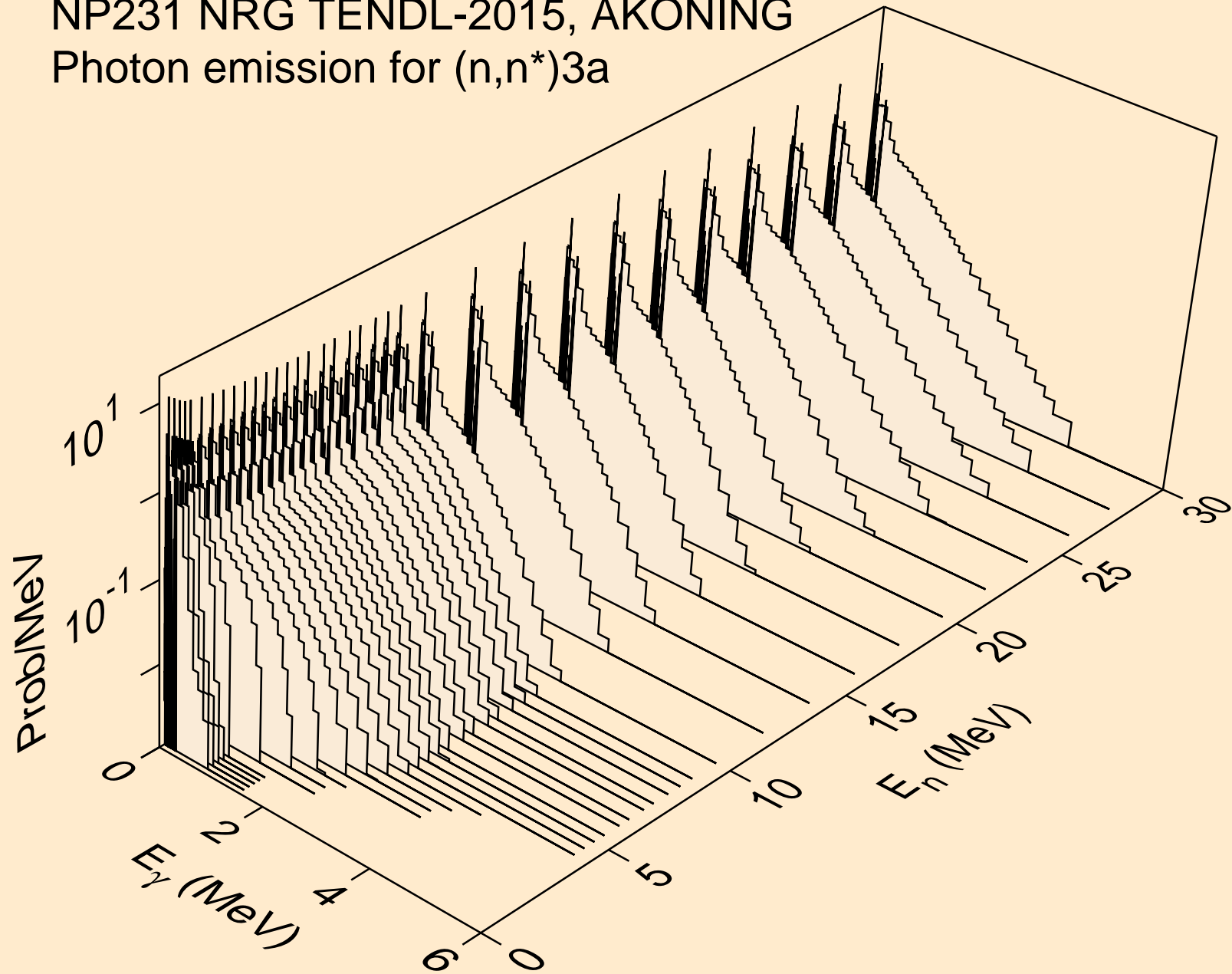


NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a

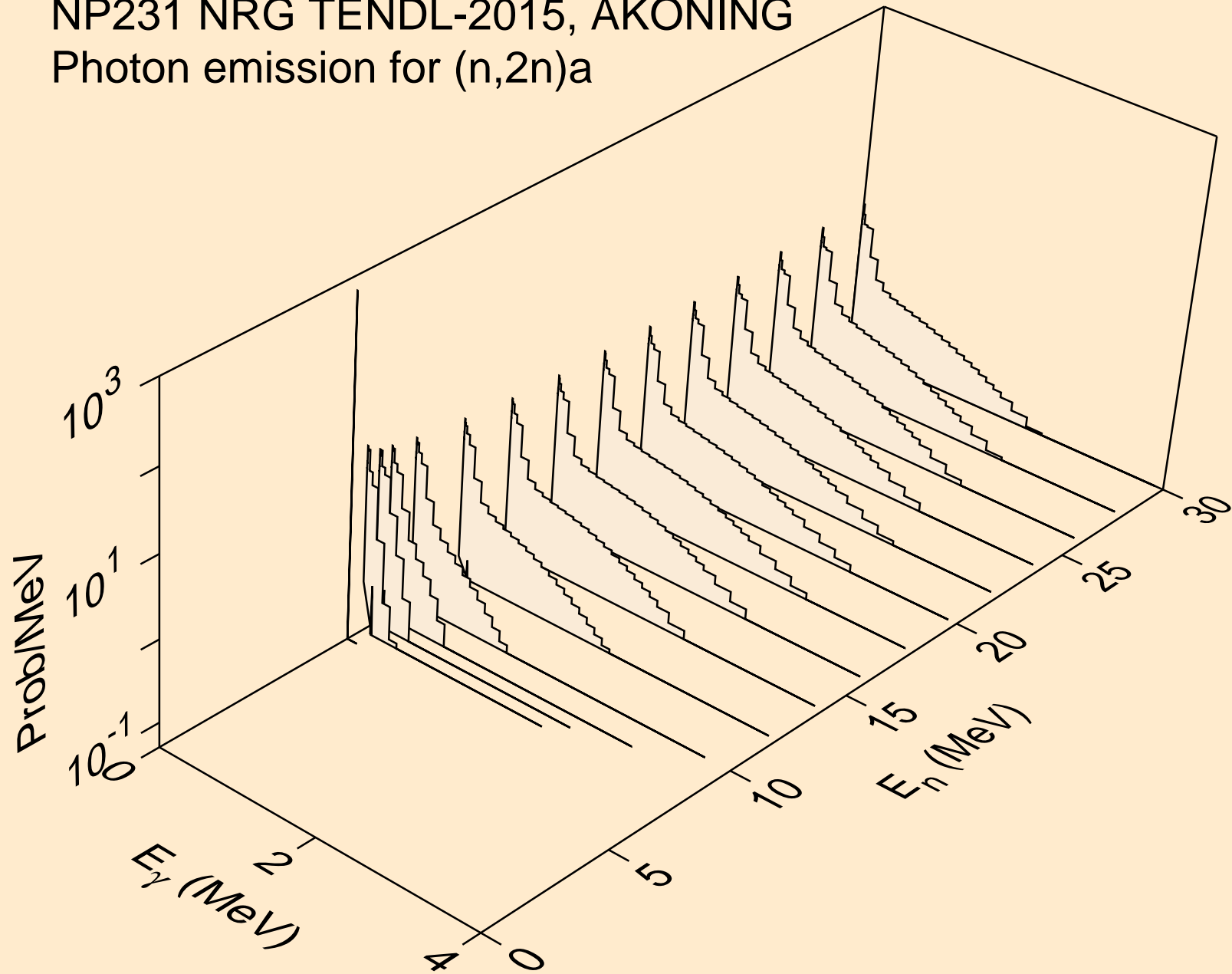




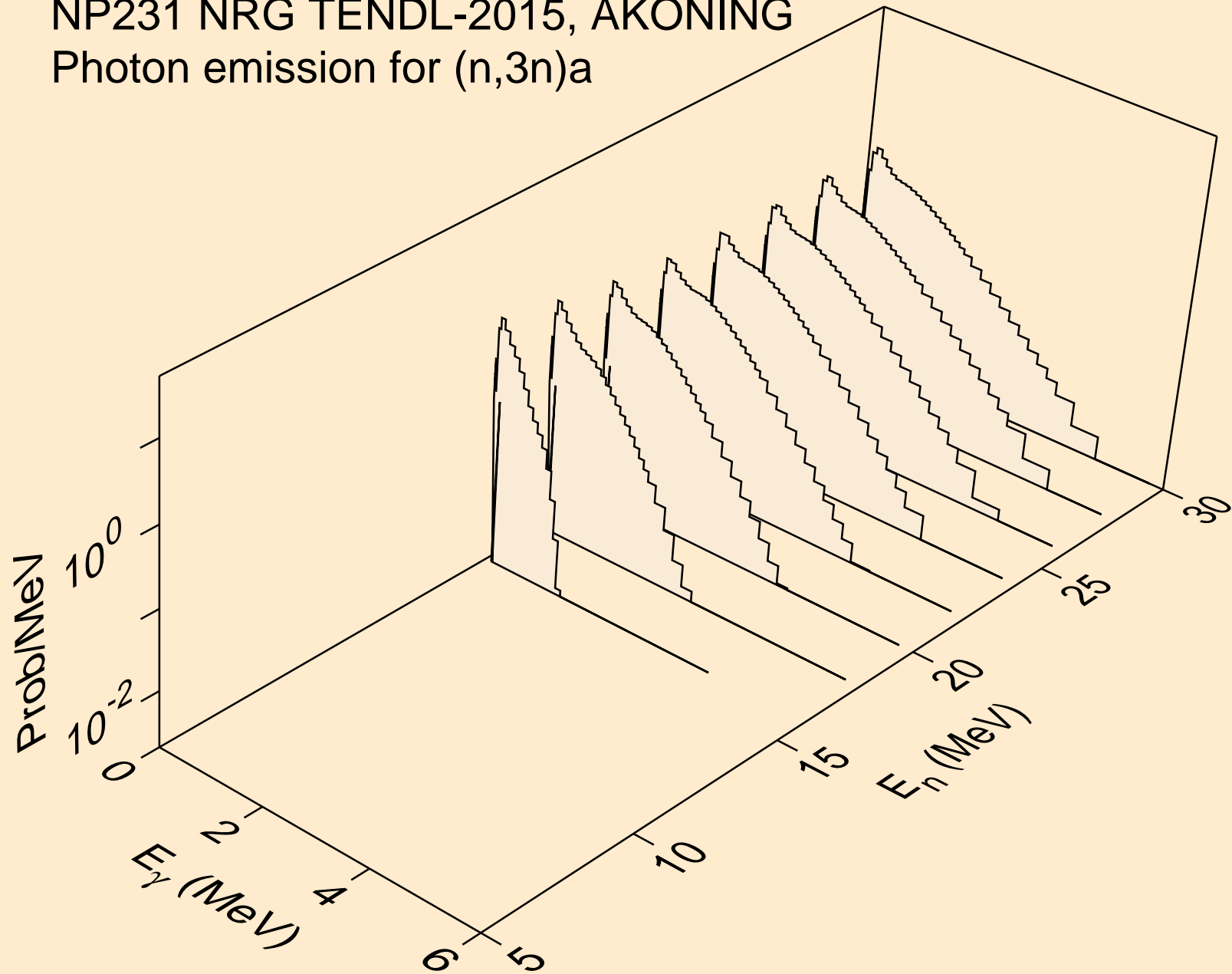
NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)3a



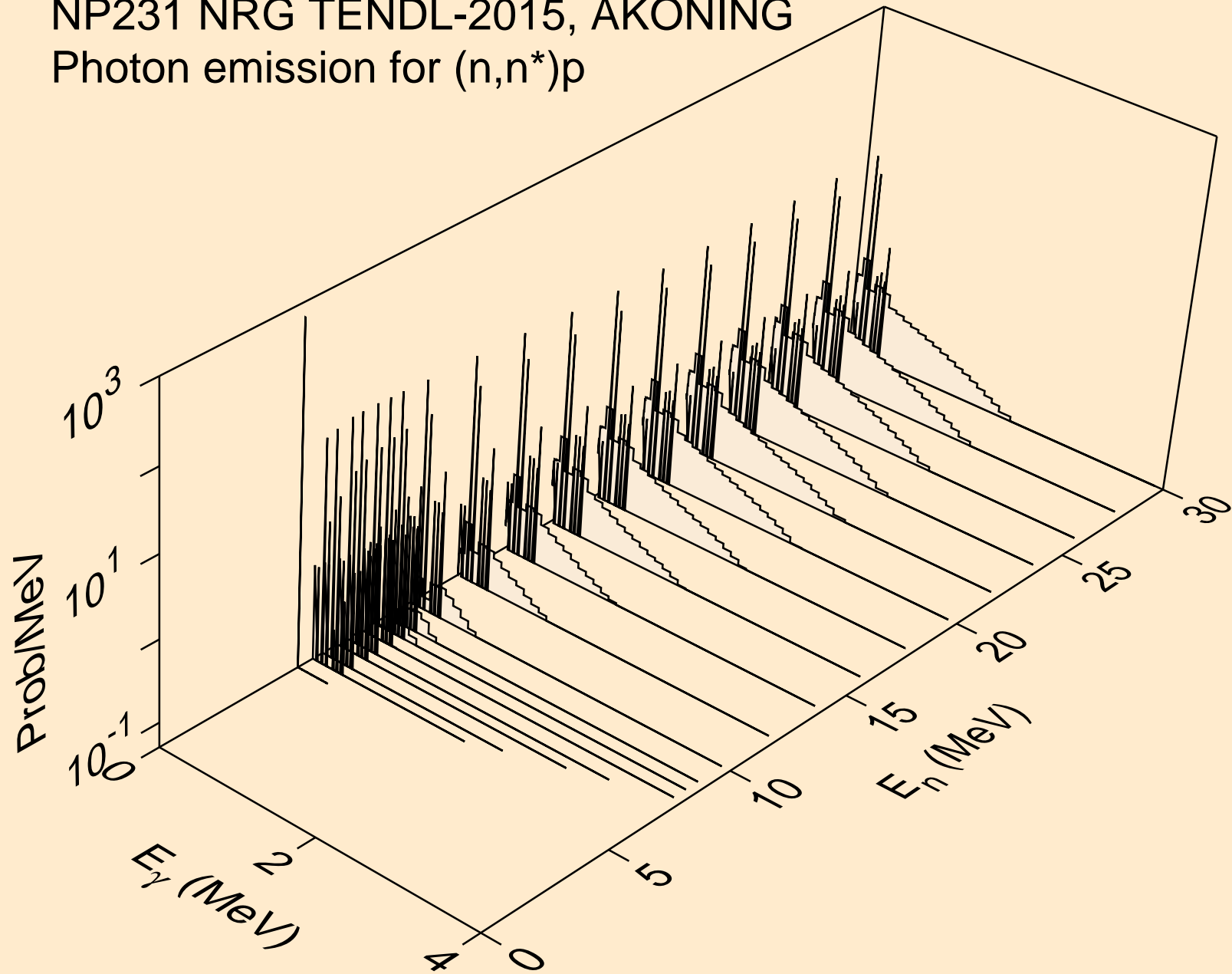
NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



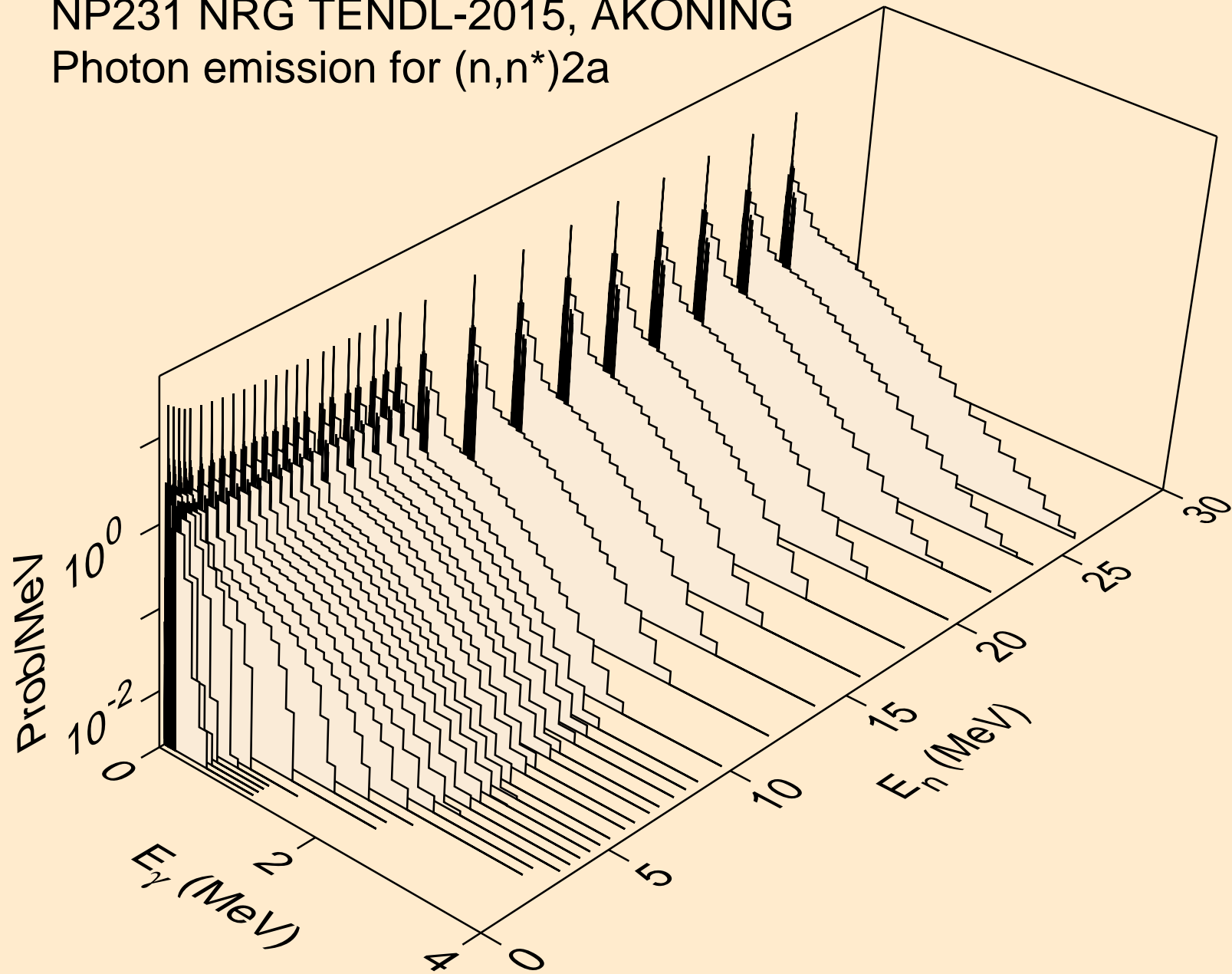
NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



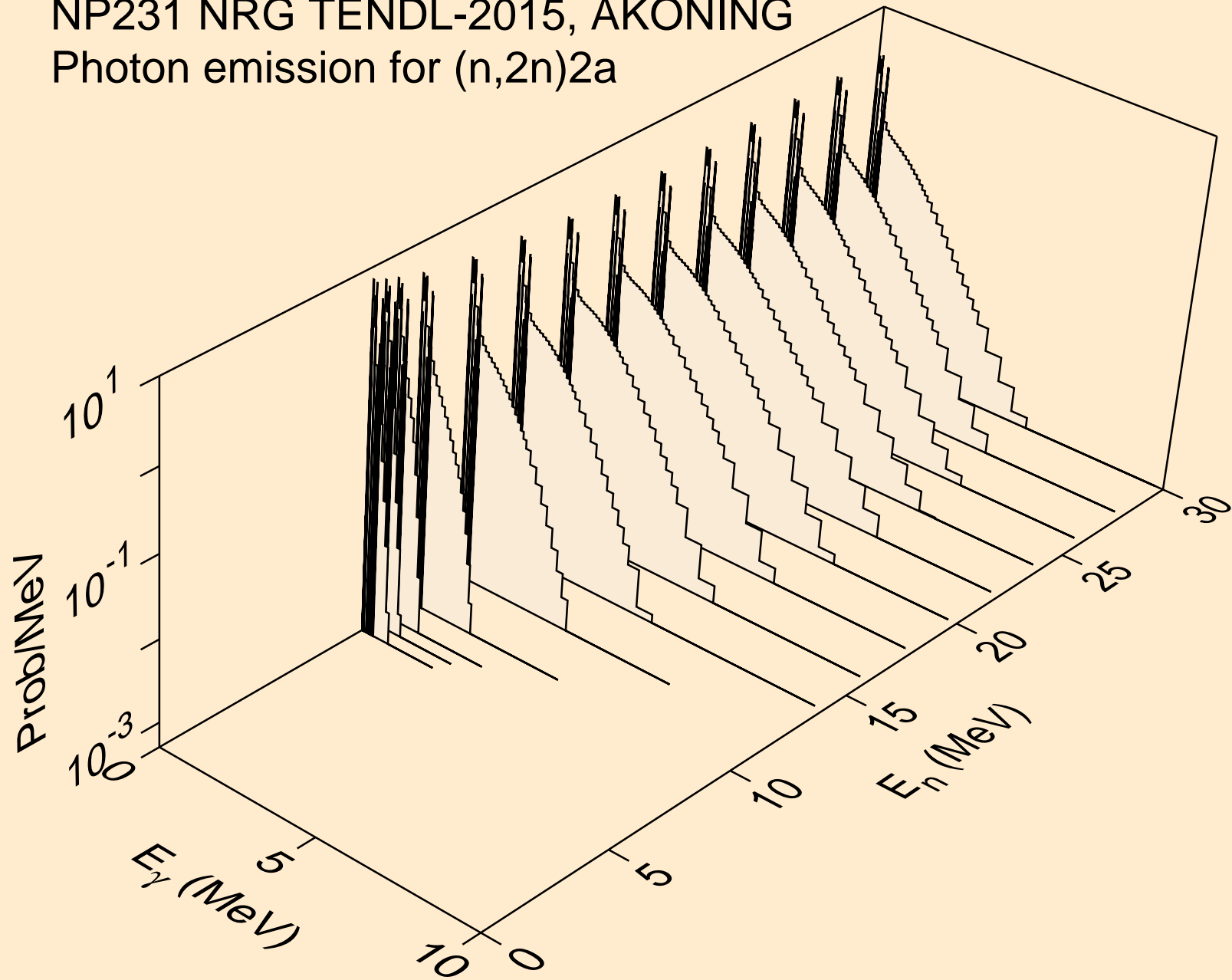
NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



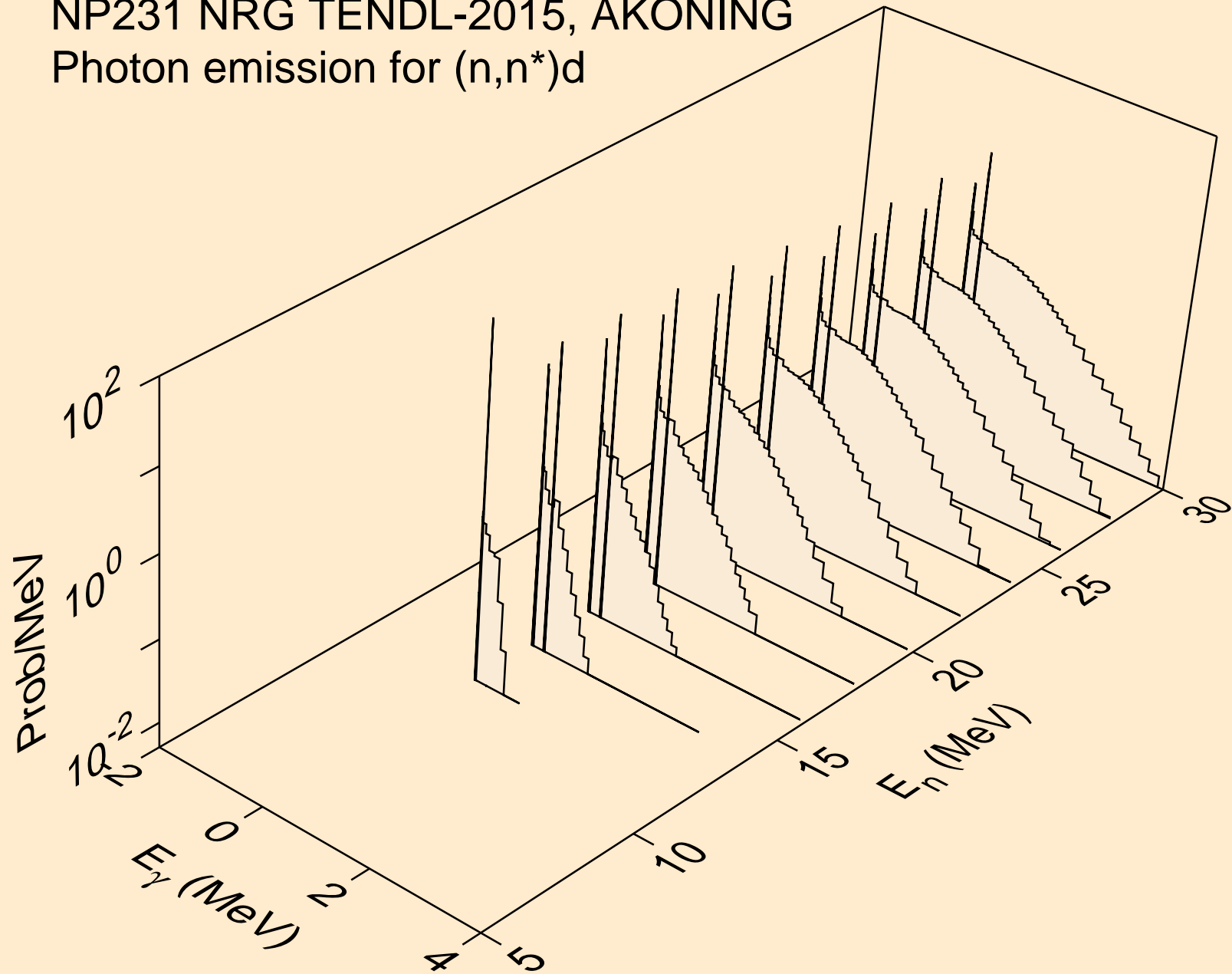
NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



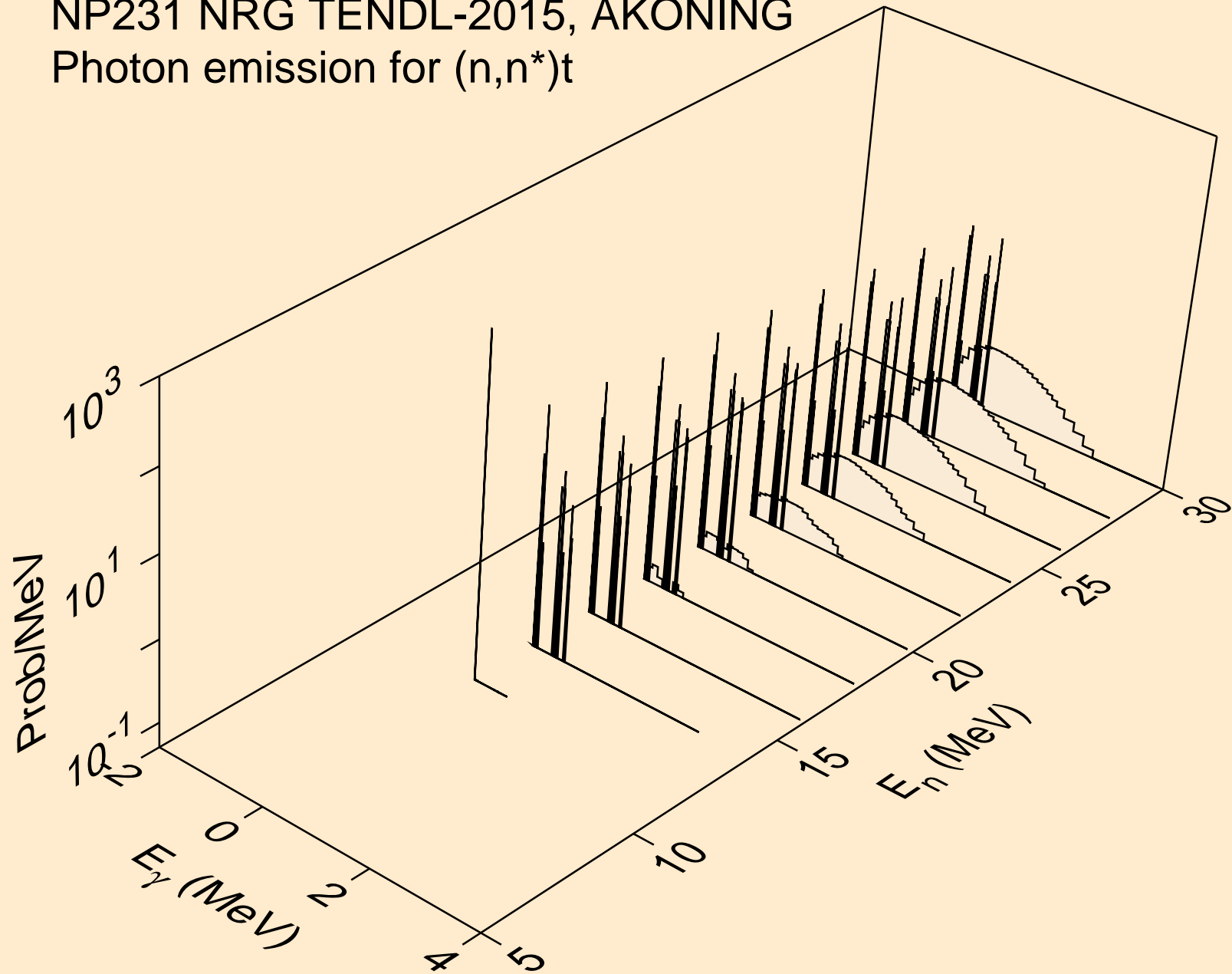
NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a



NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d

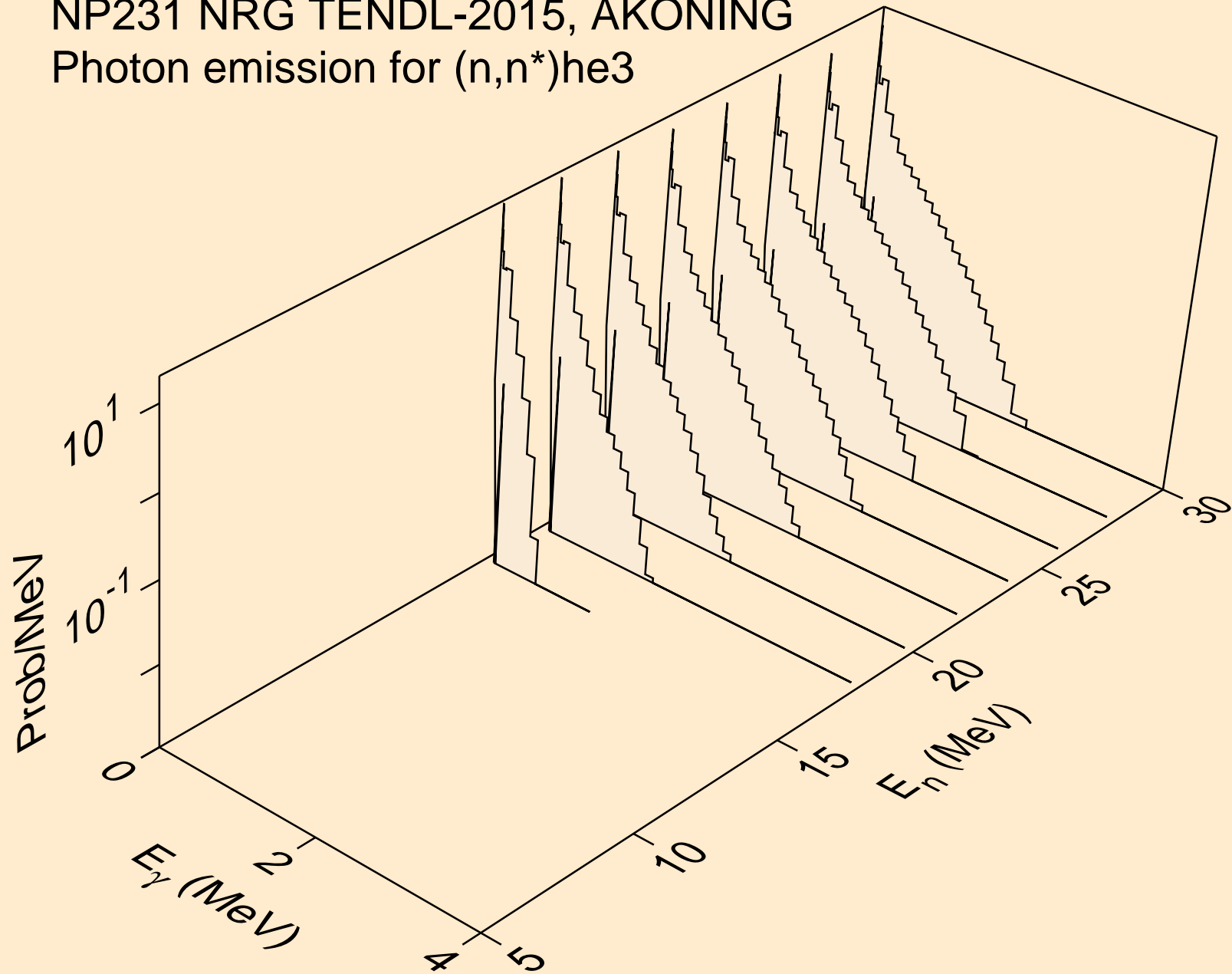


NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t

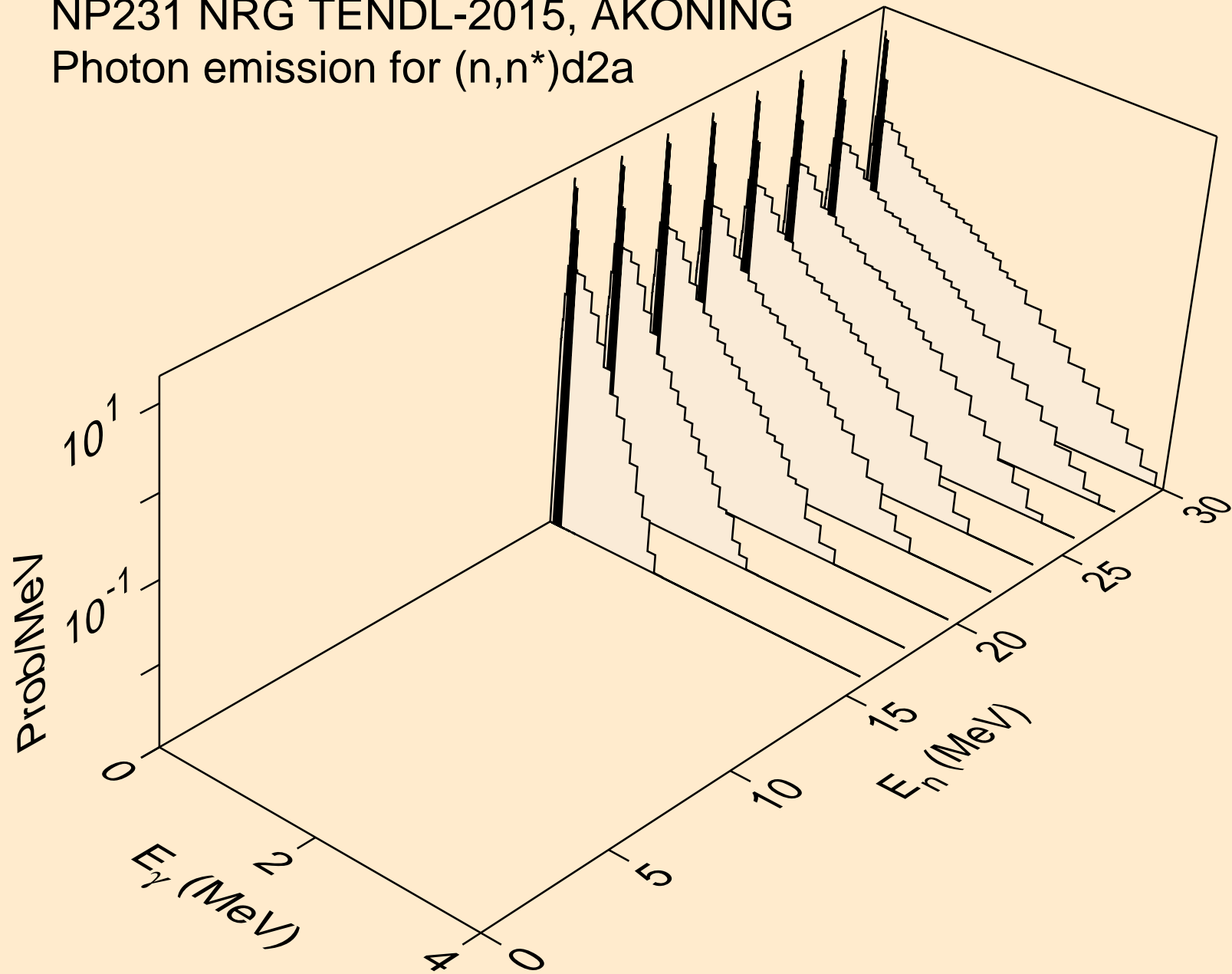




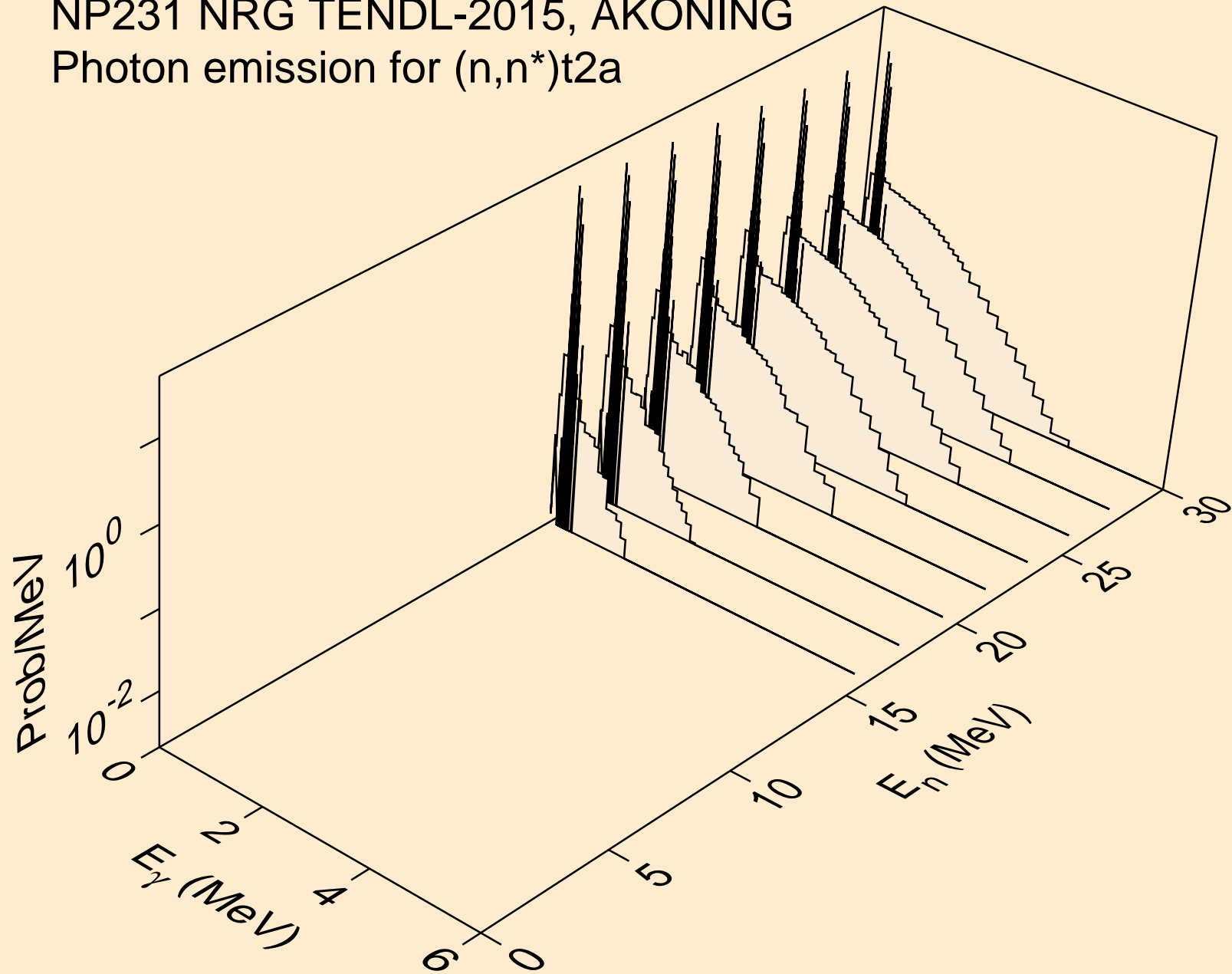
NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



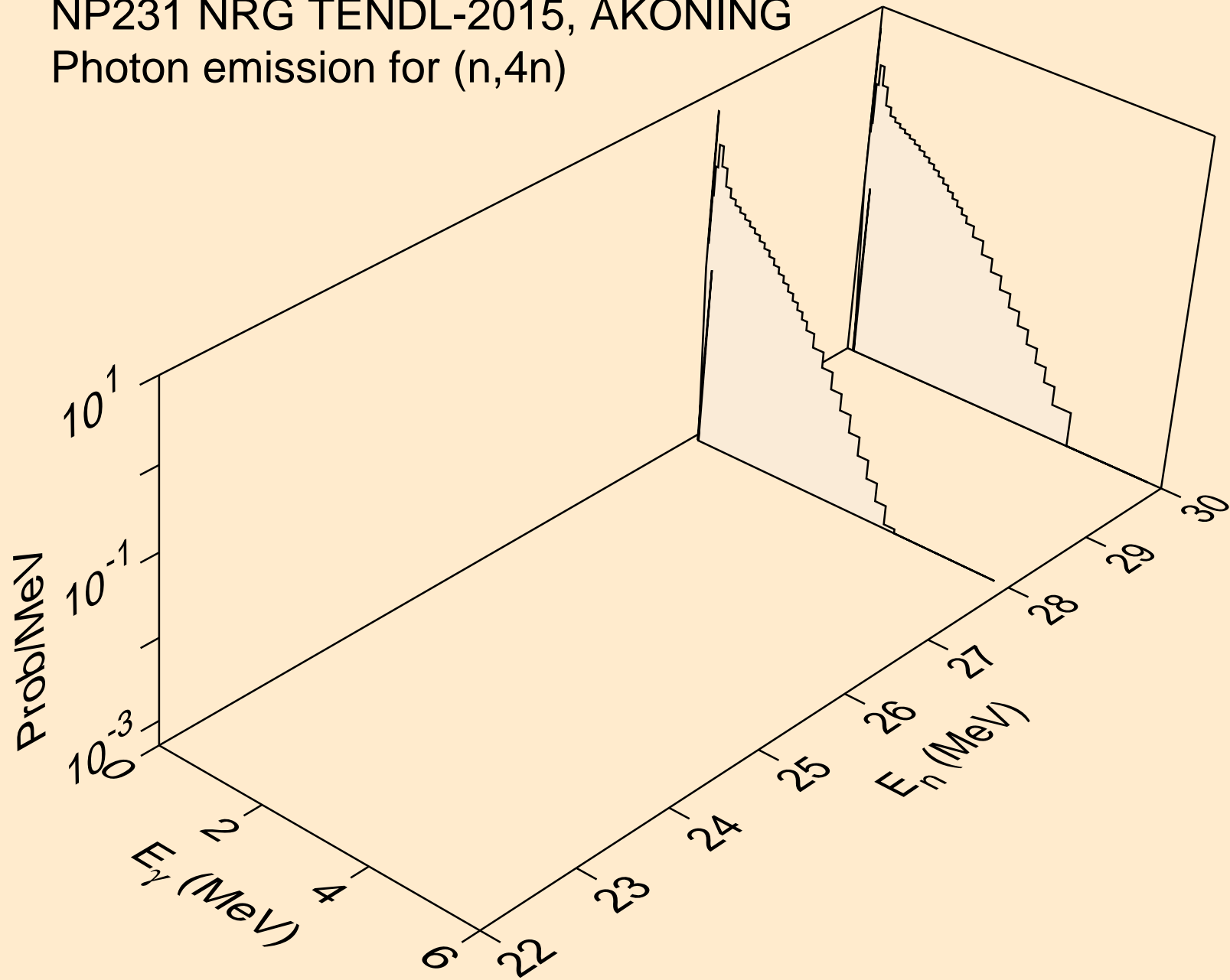
NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d2a



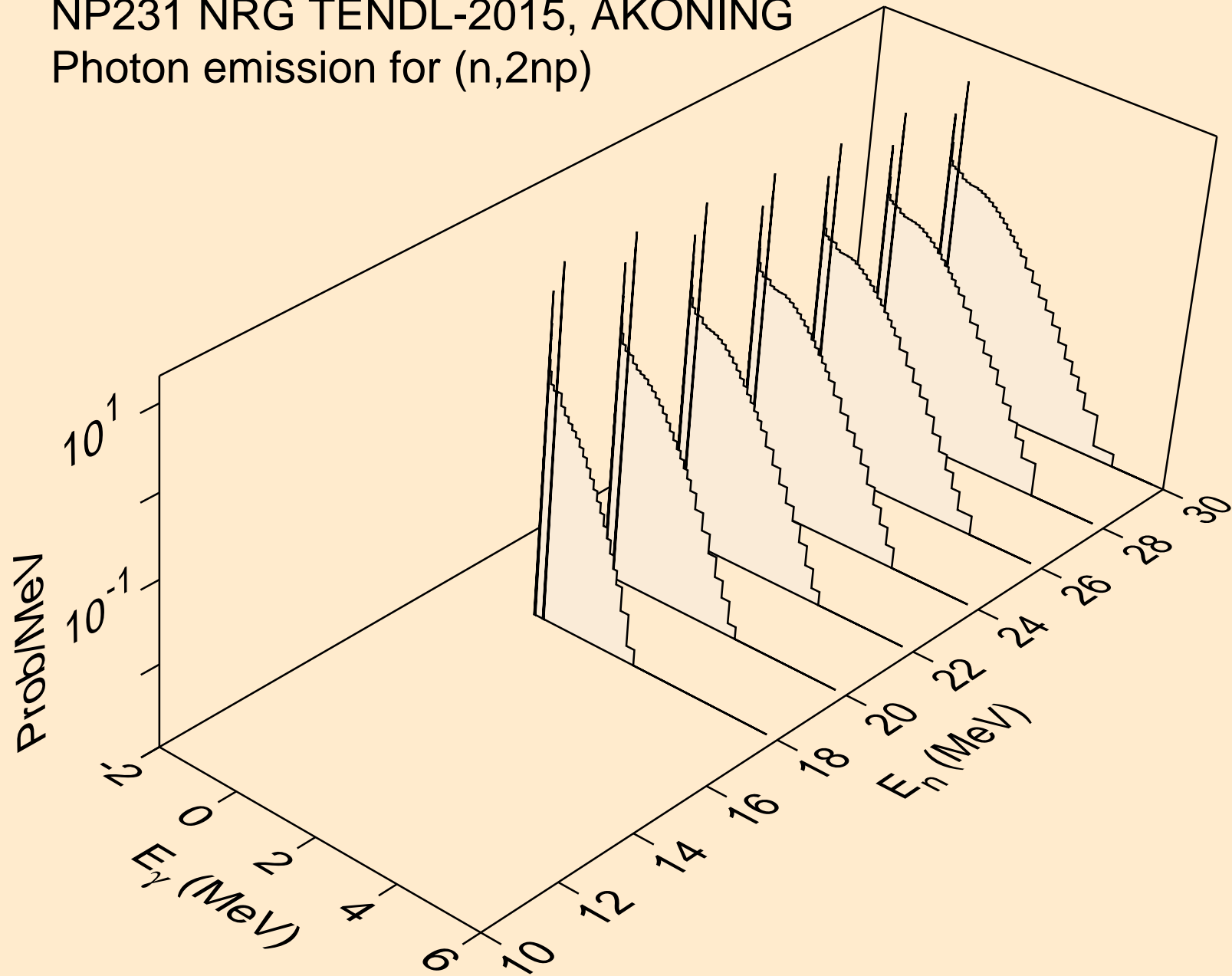
NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t2a



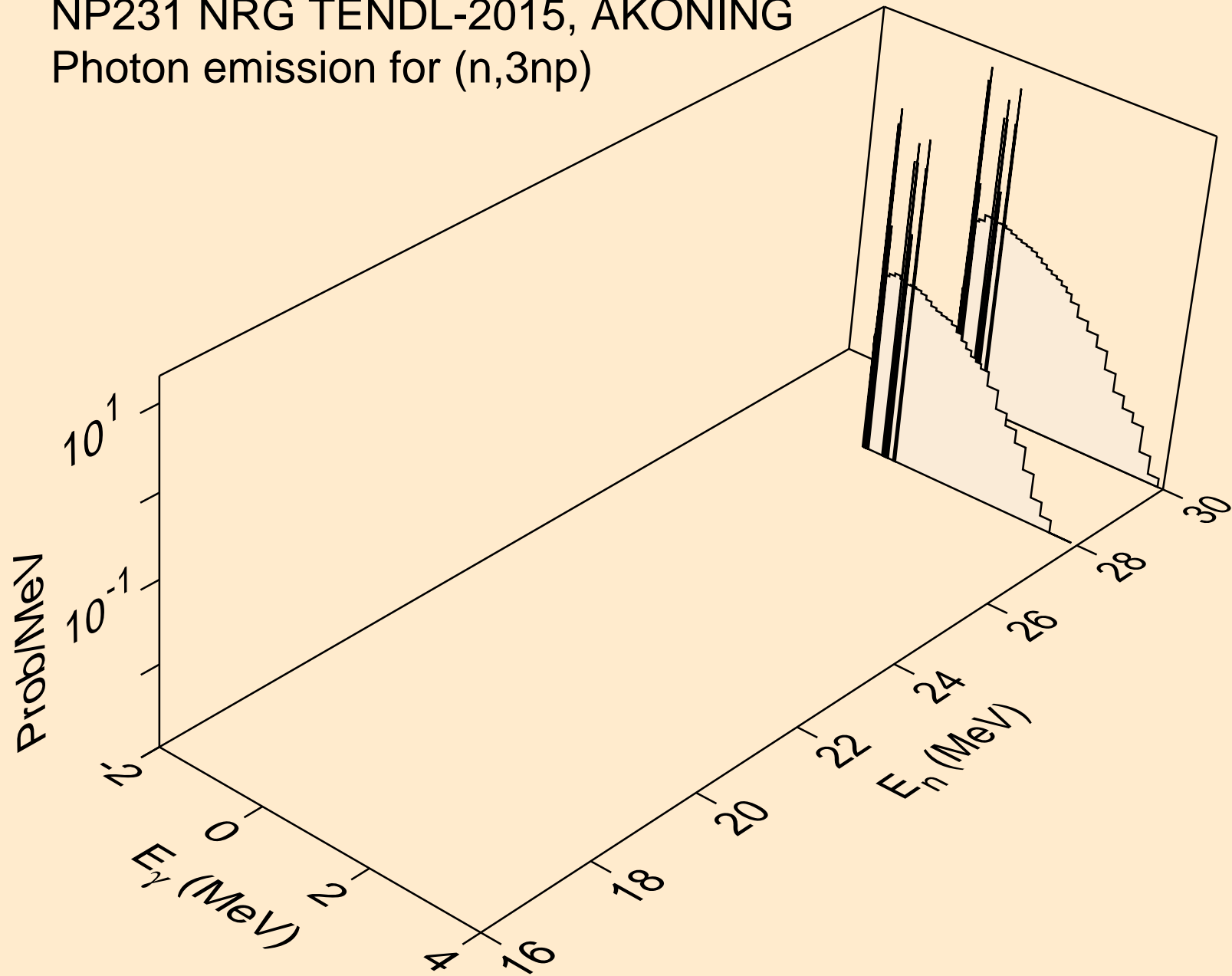
NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



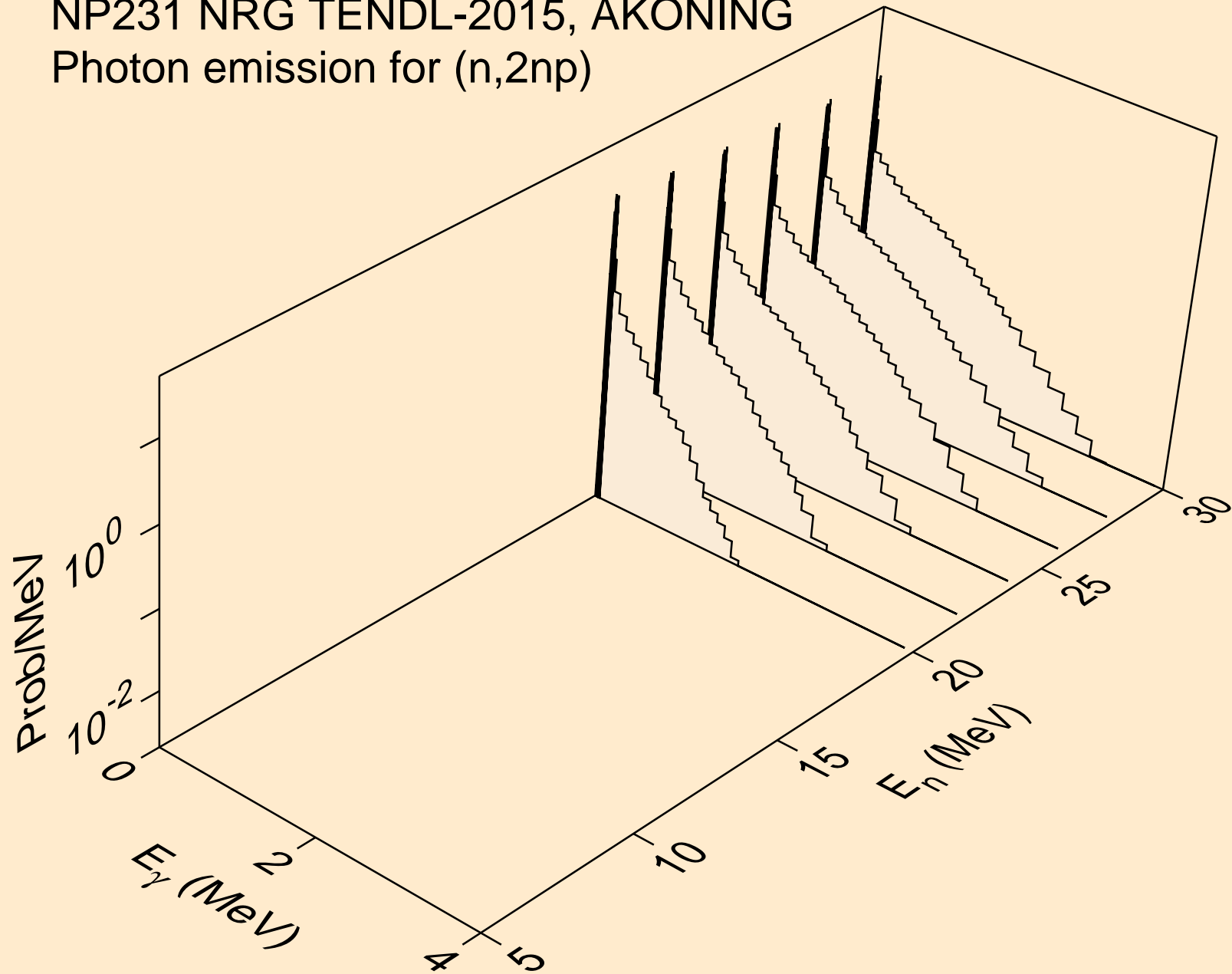
NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



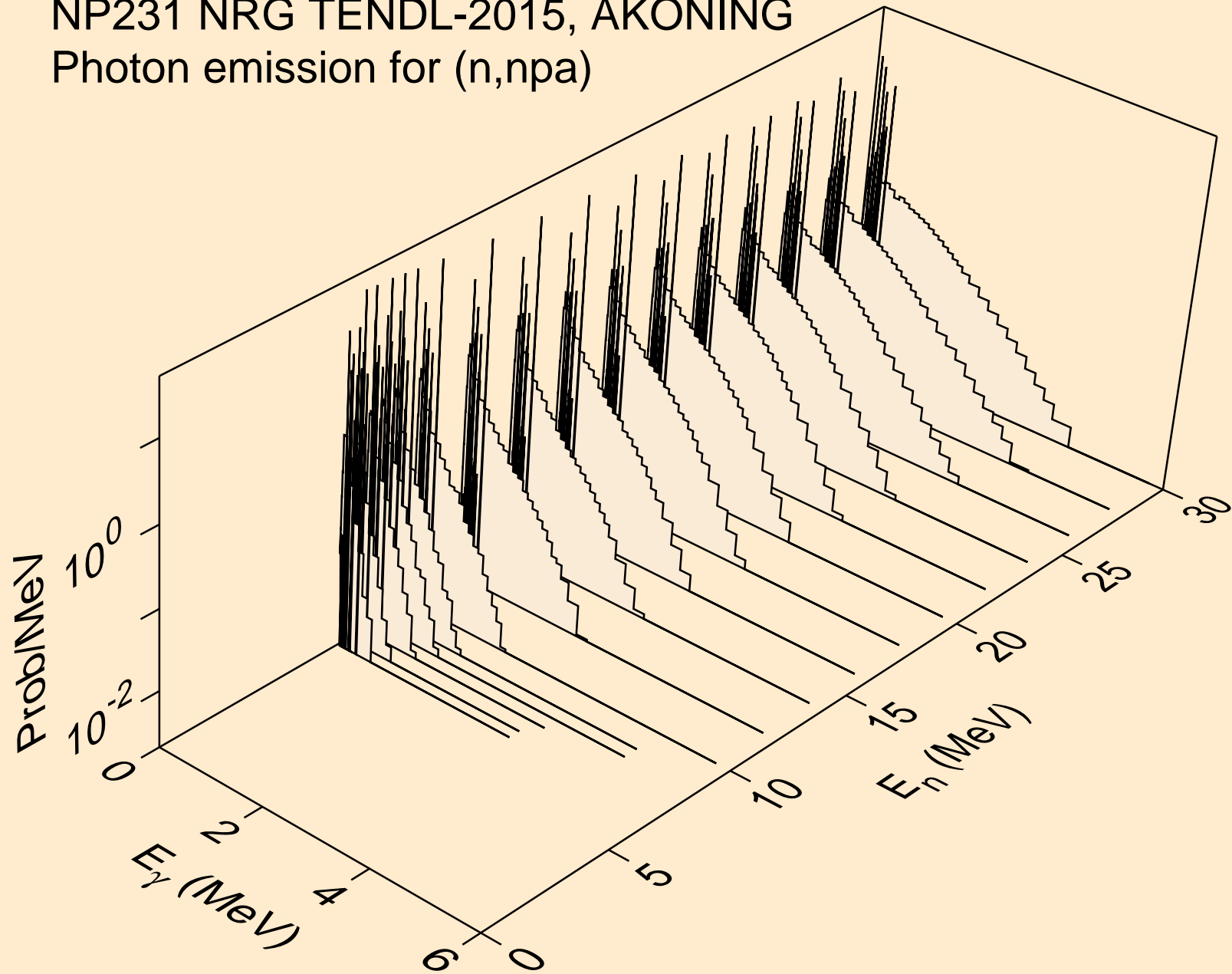
NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)

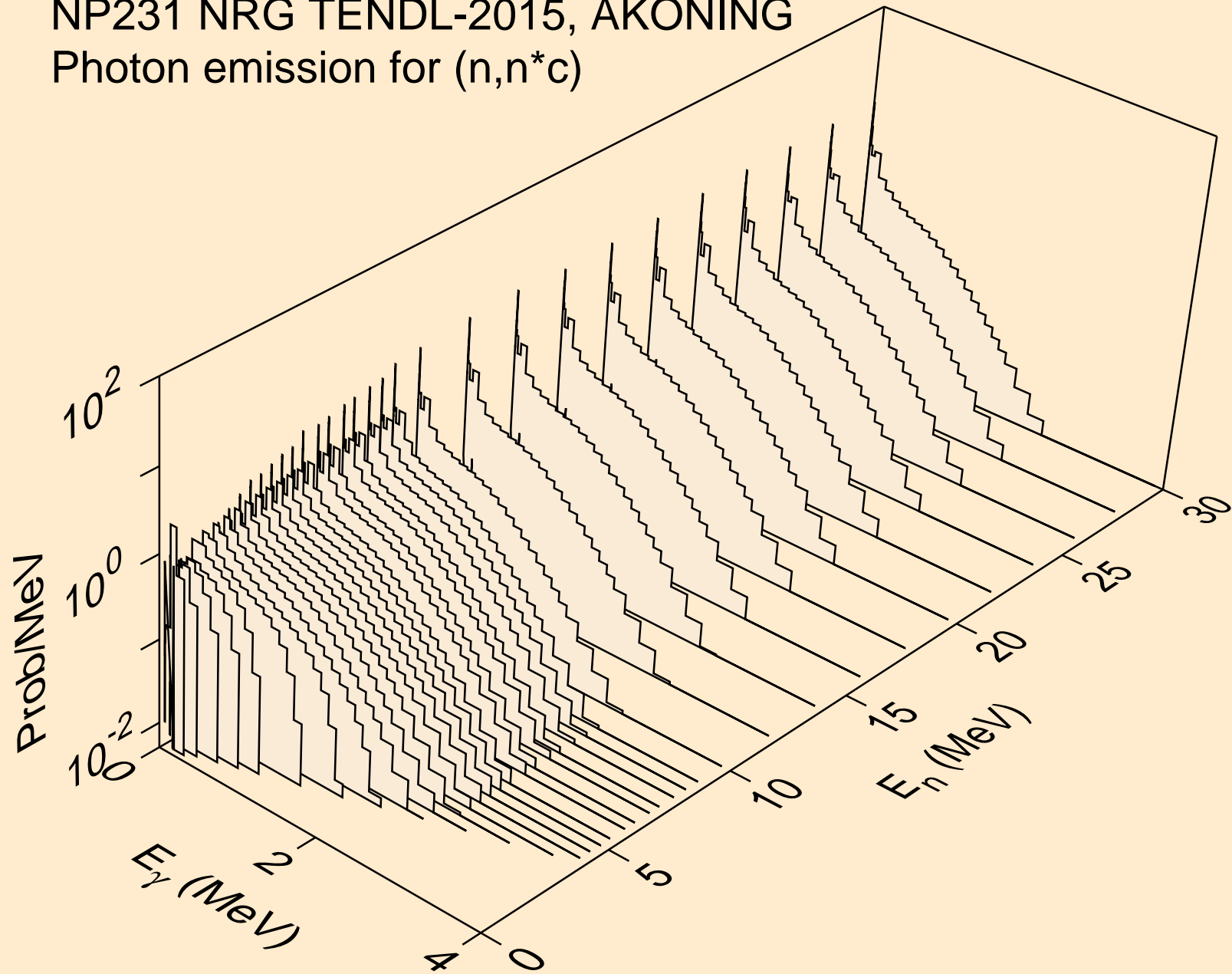


NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)

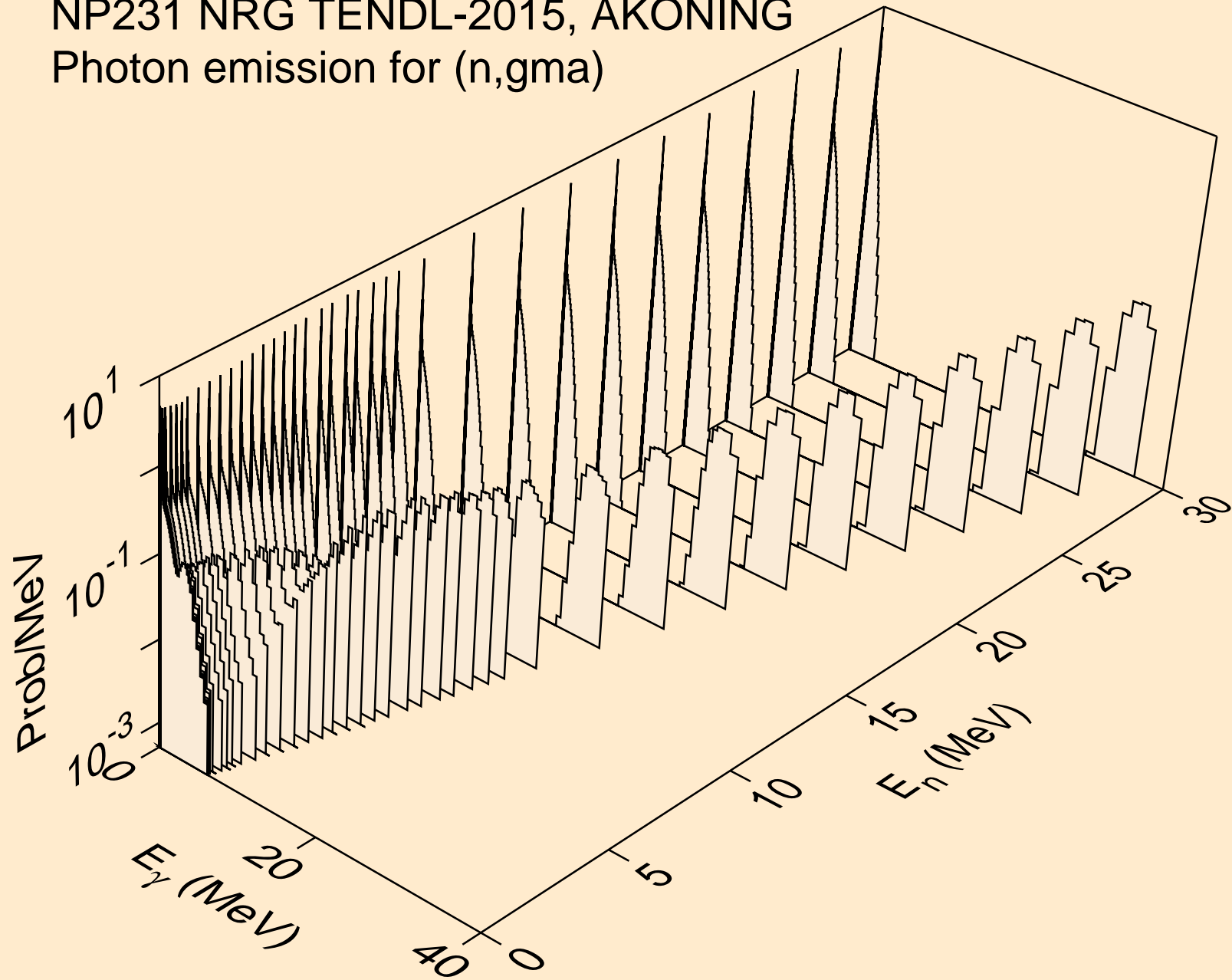




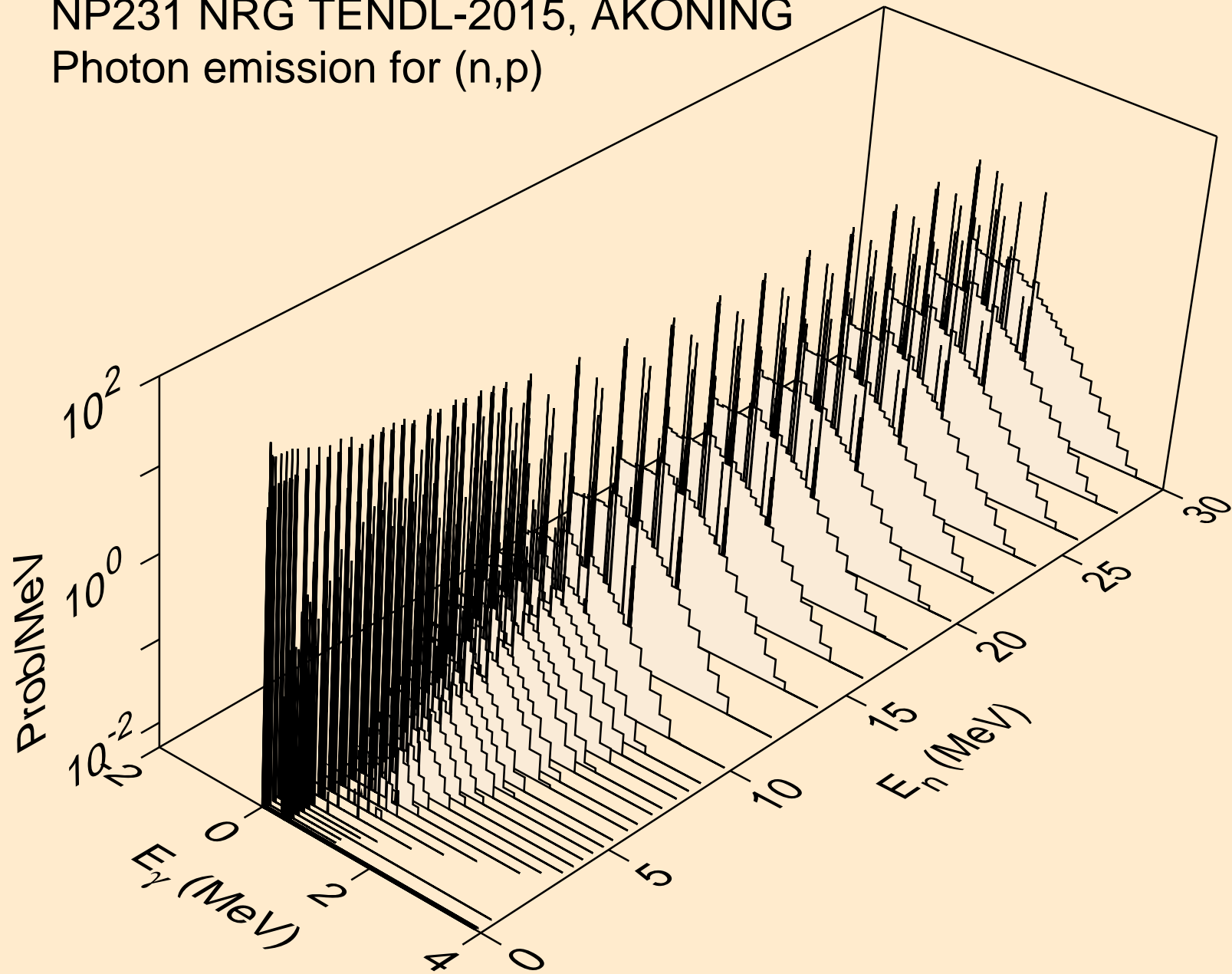
NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



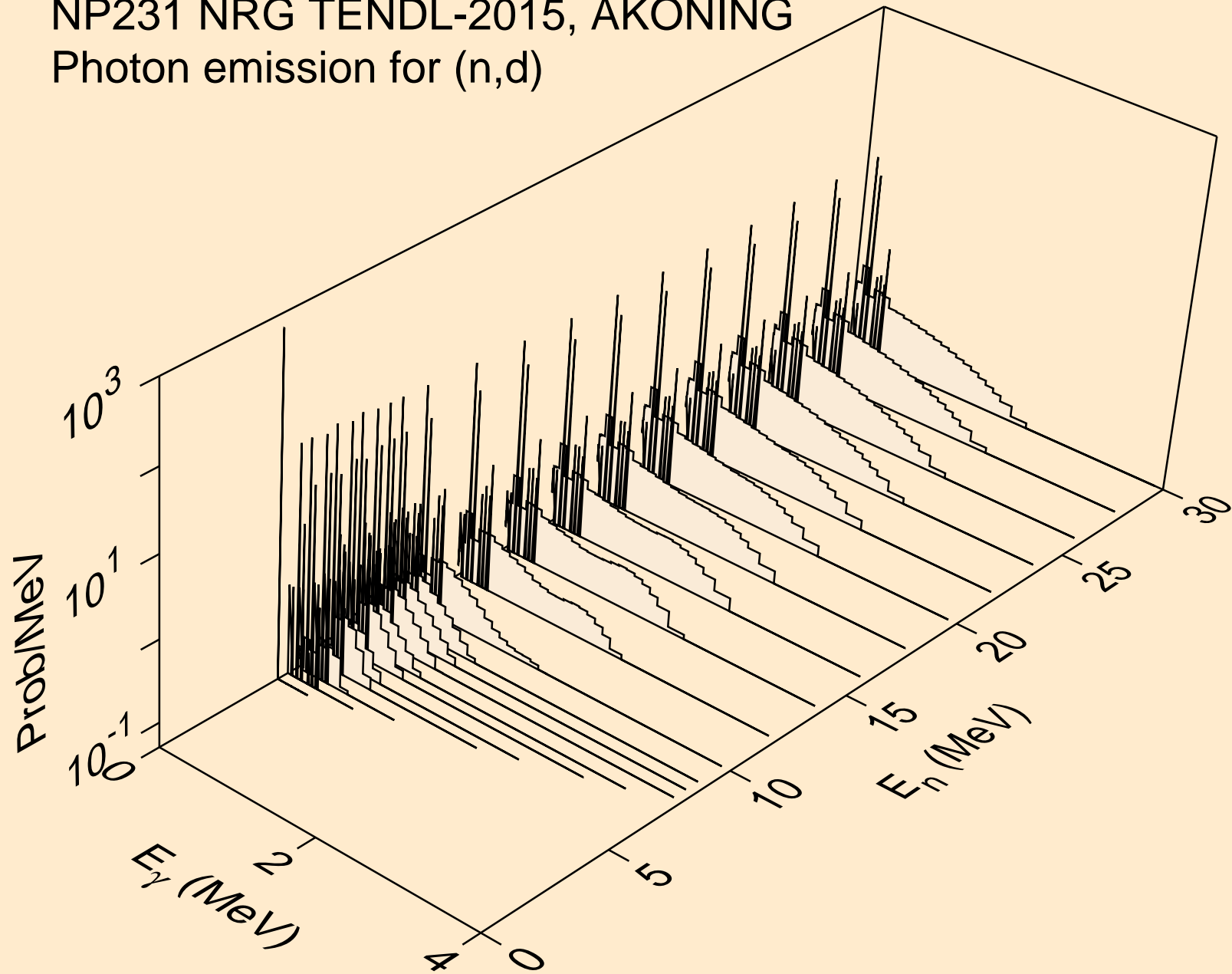
NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



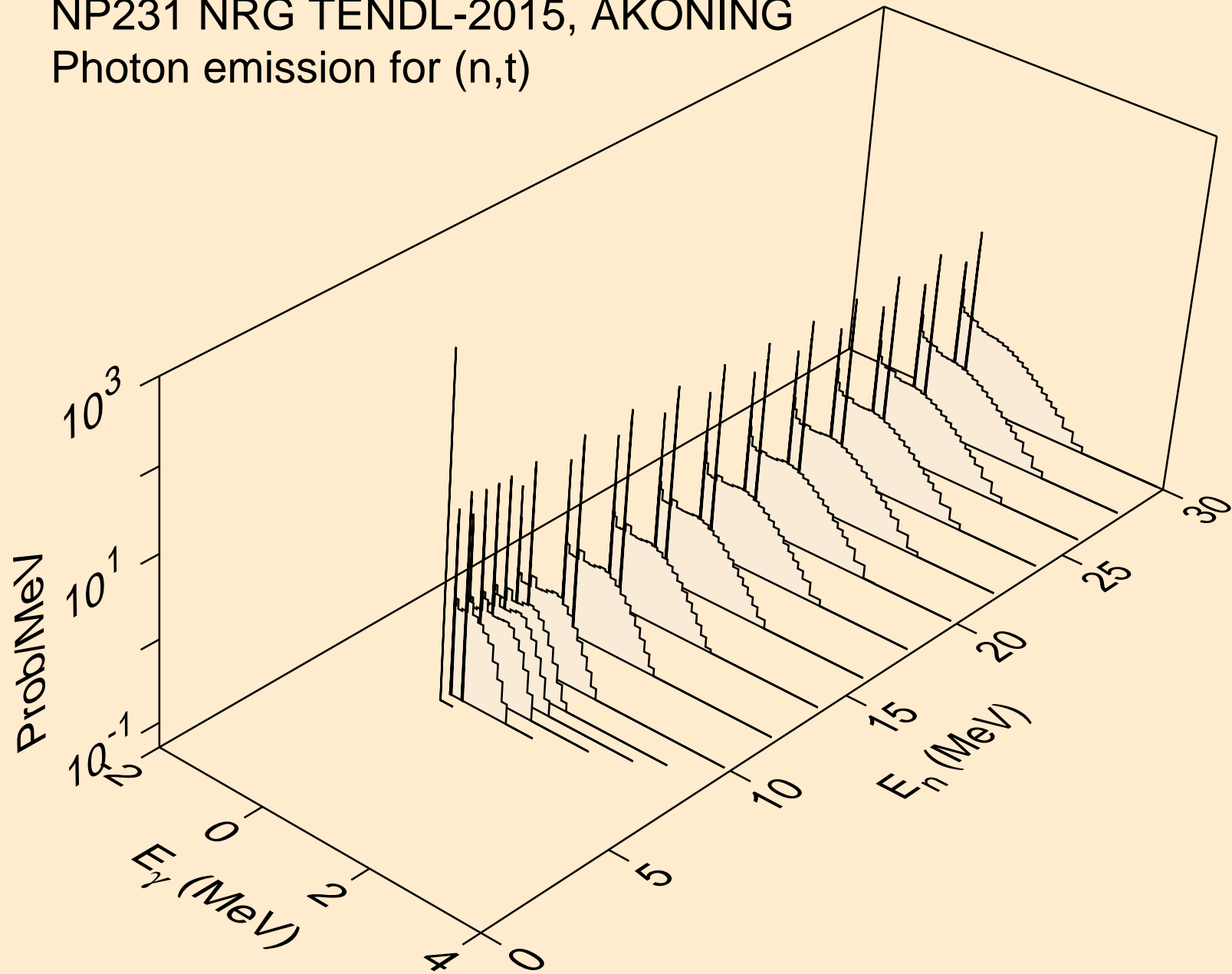
NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



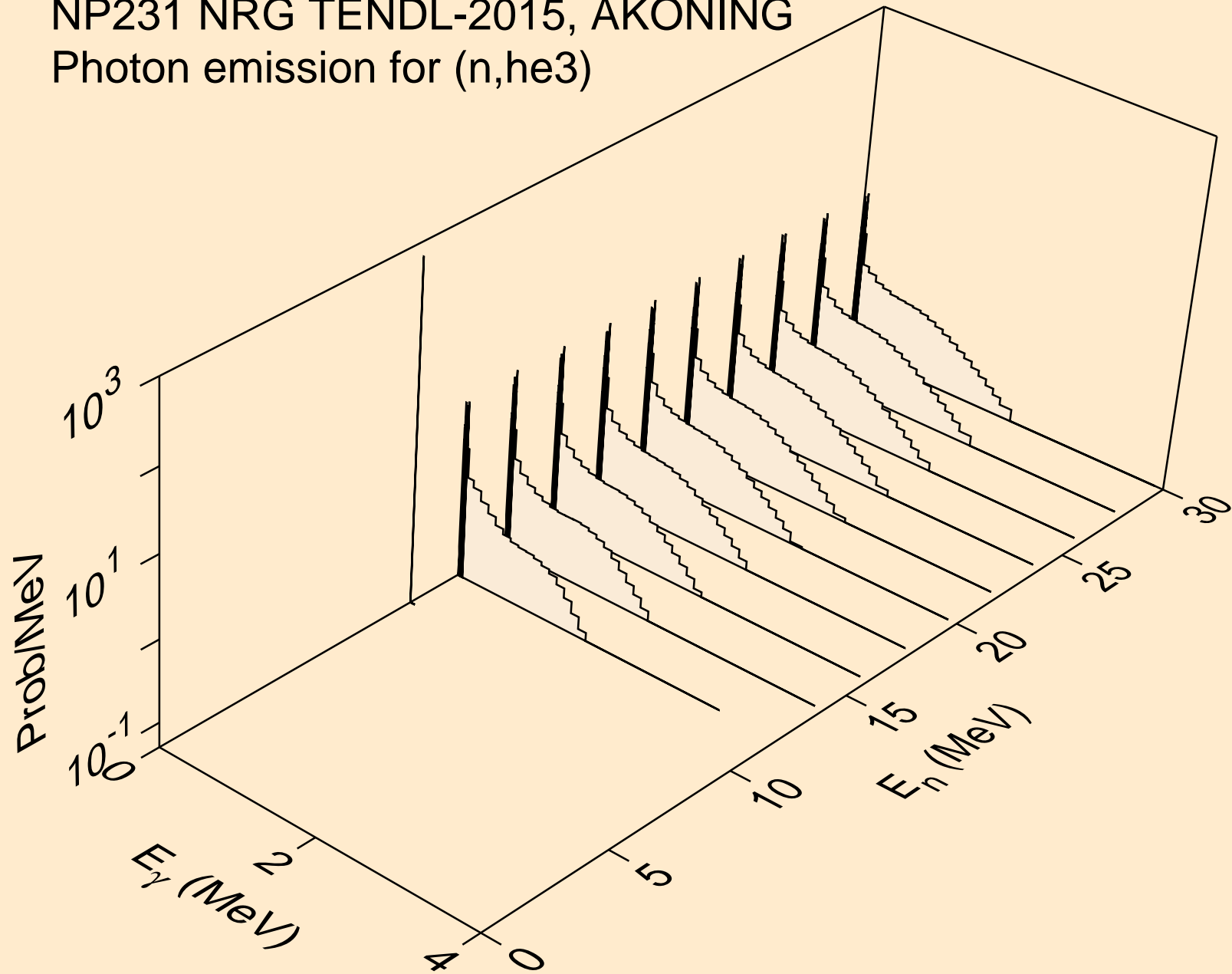
NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



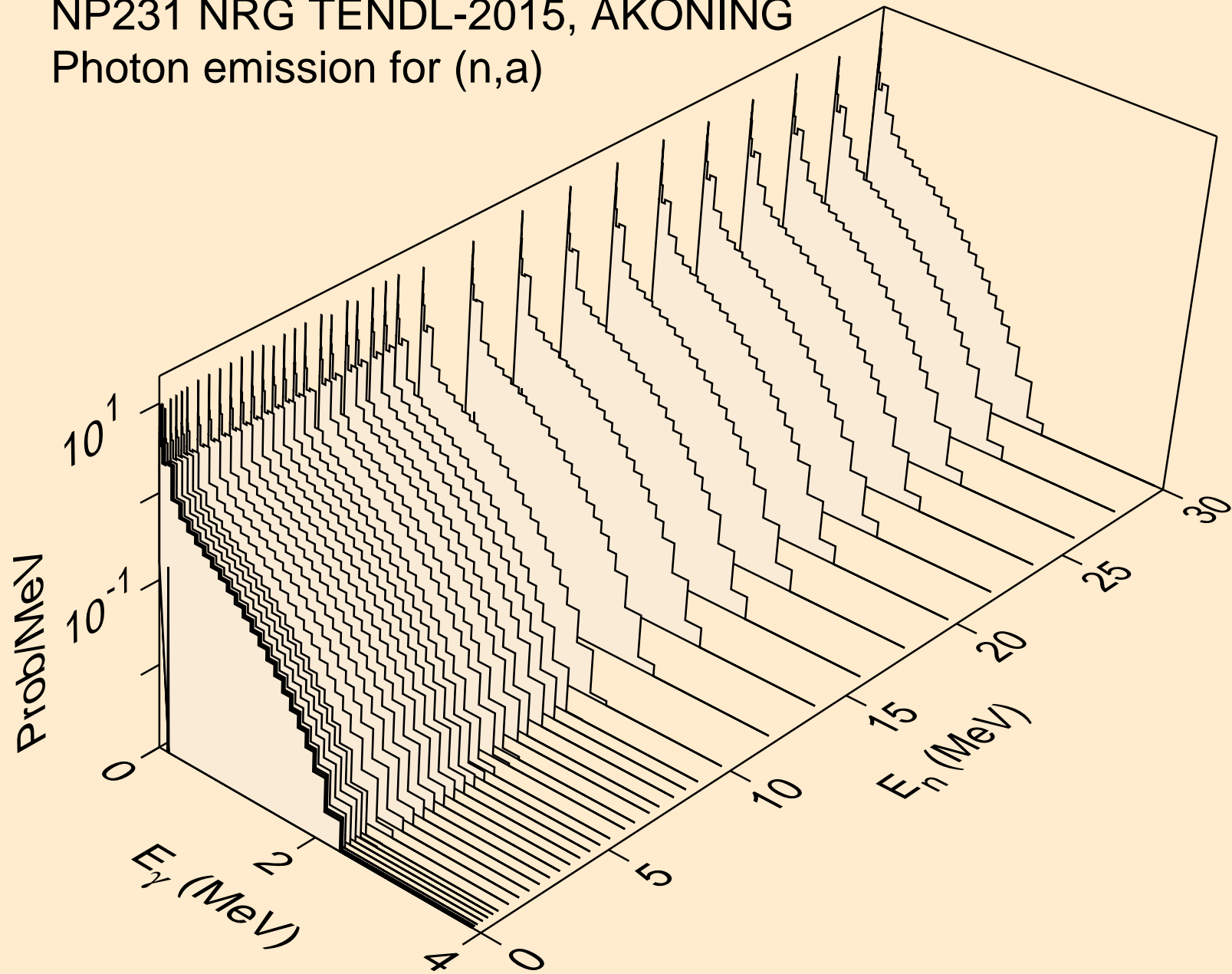
NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



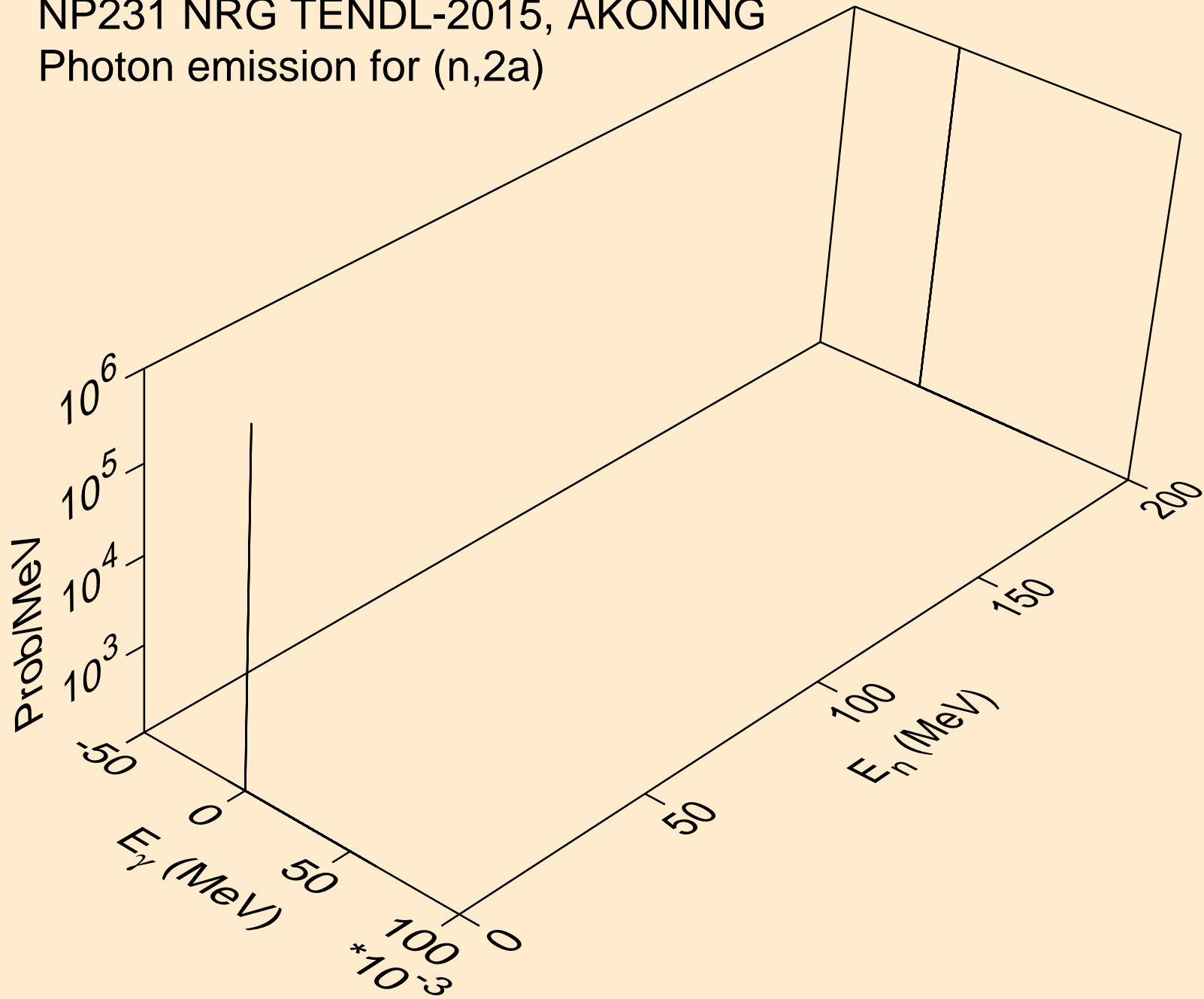
NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,a)

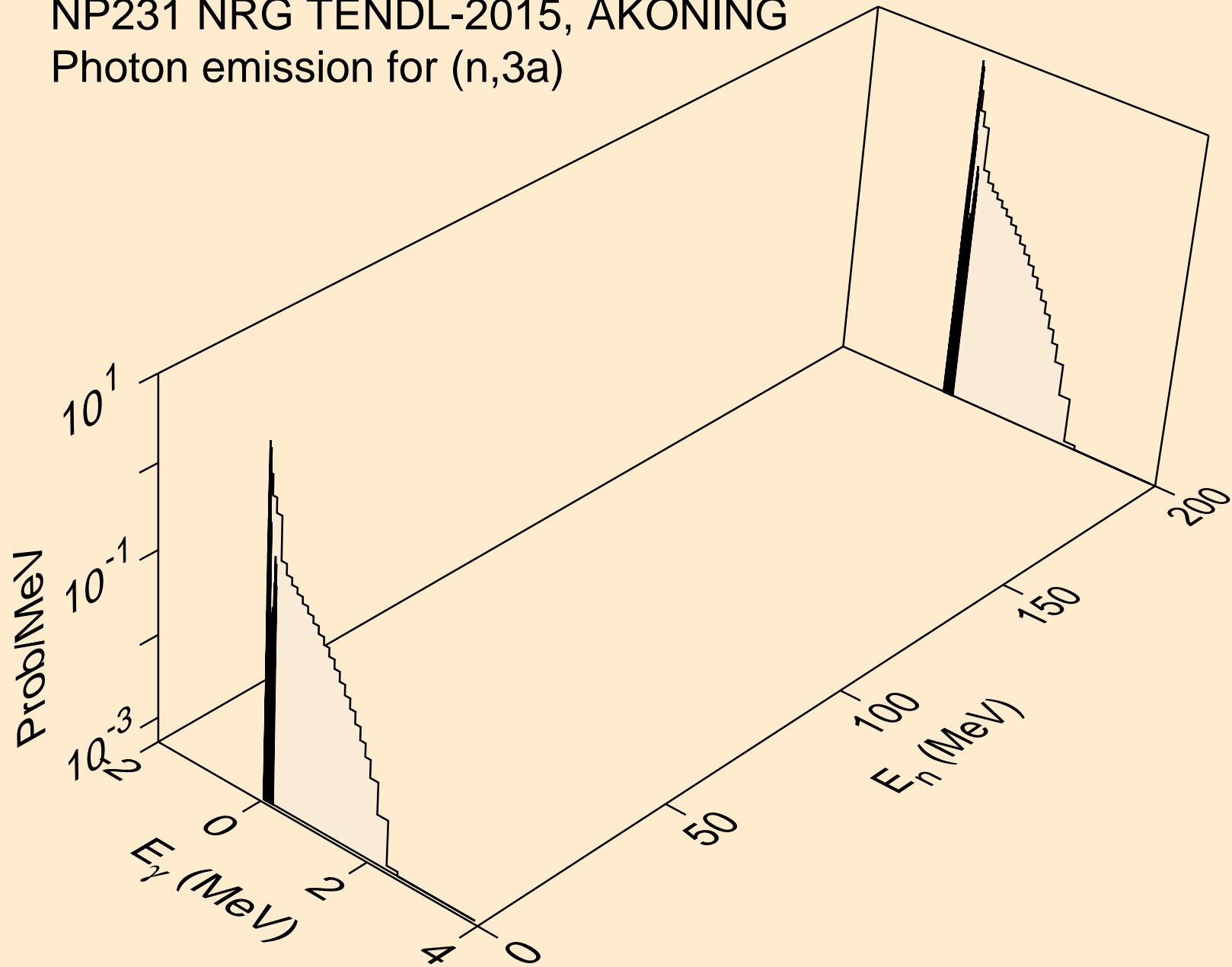


NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)

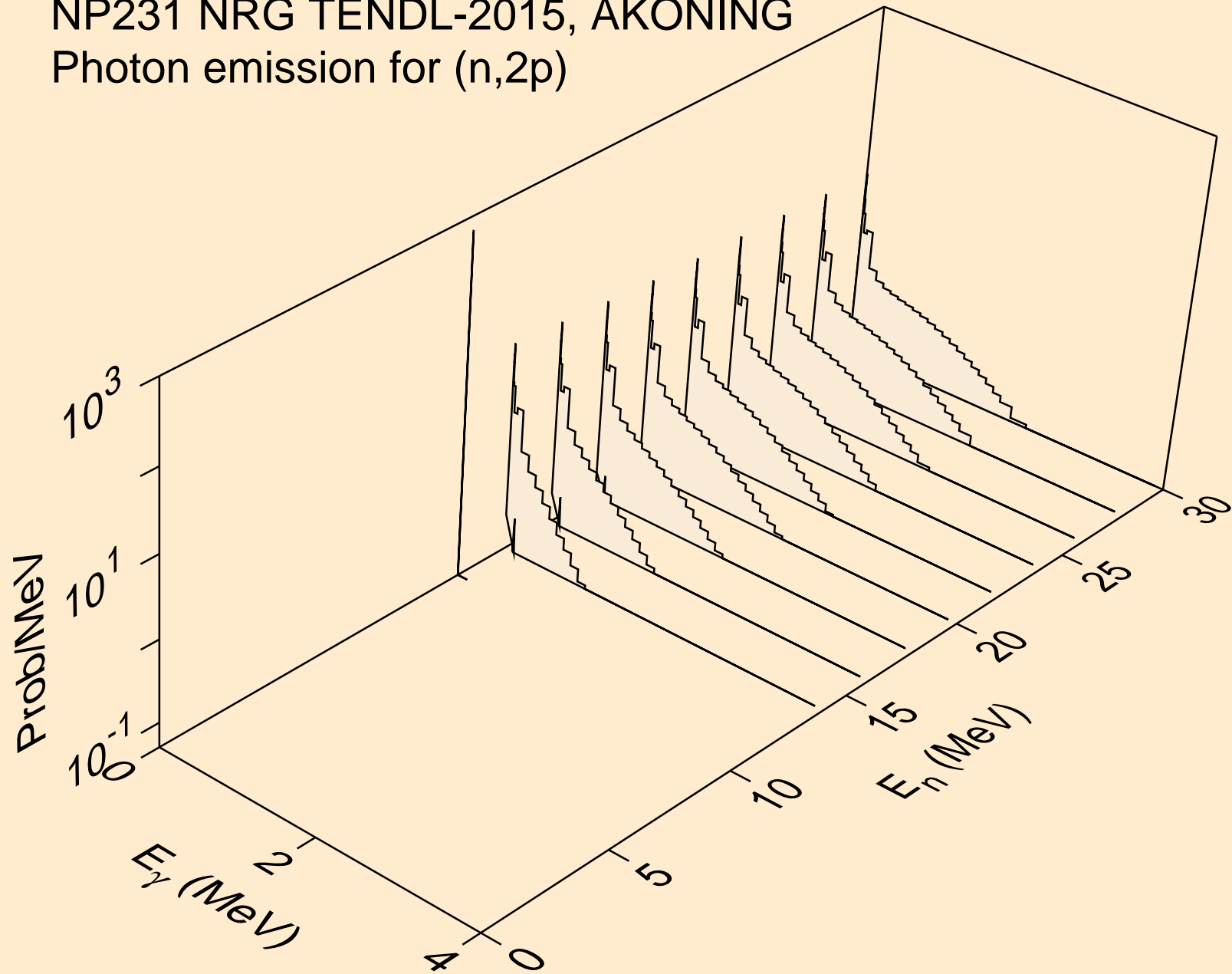




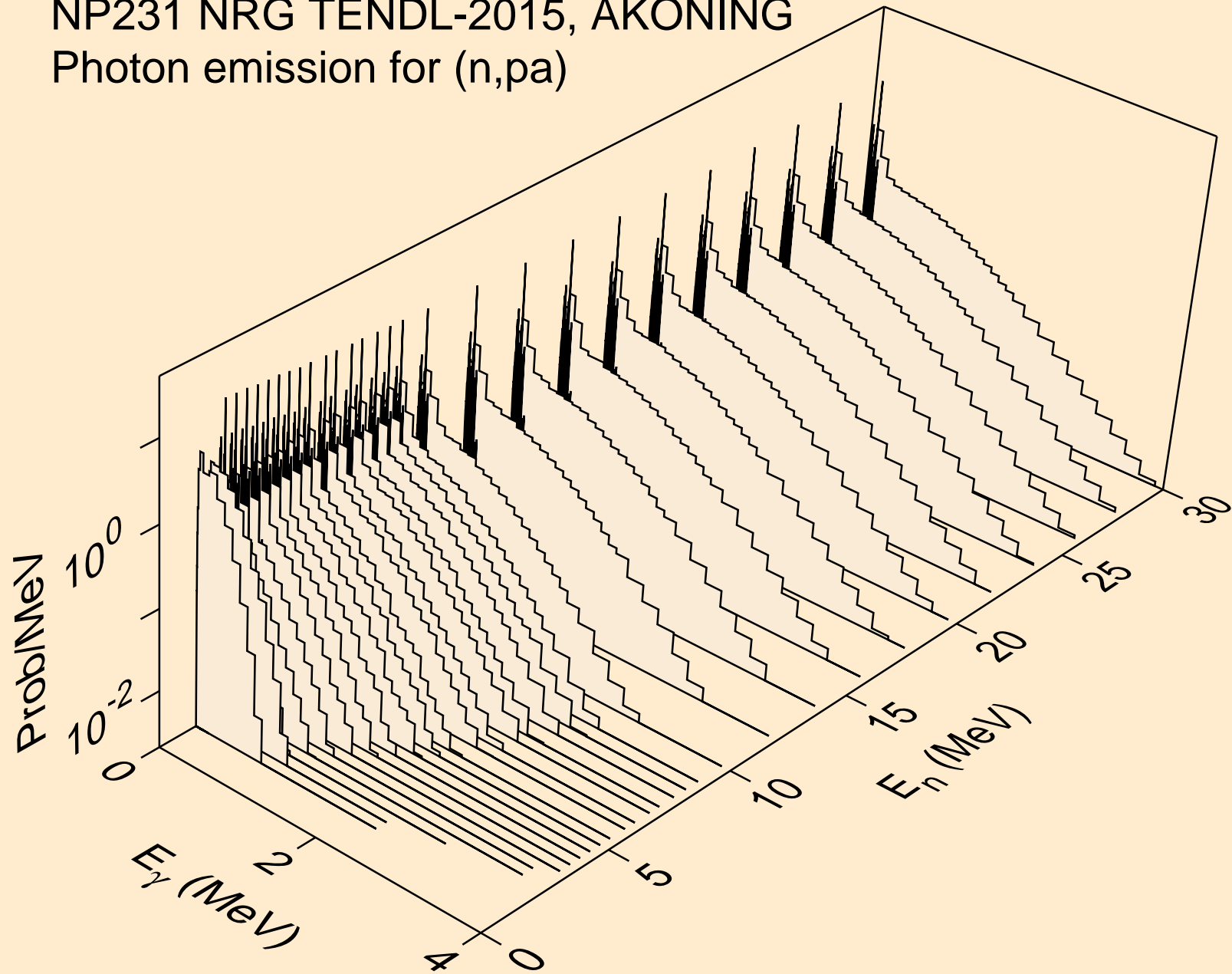
NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,3a)



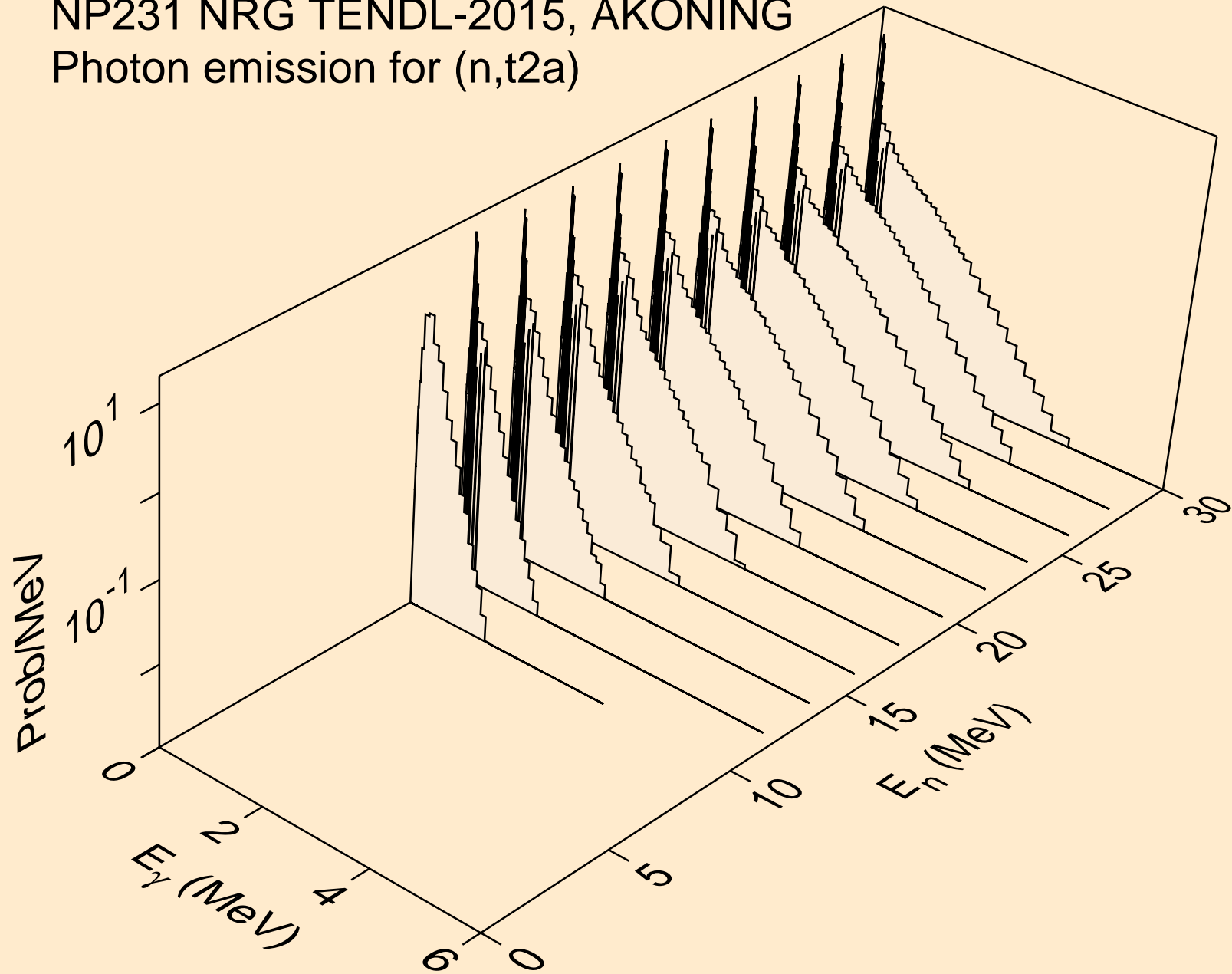
NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



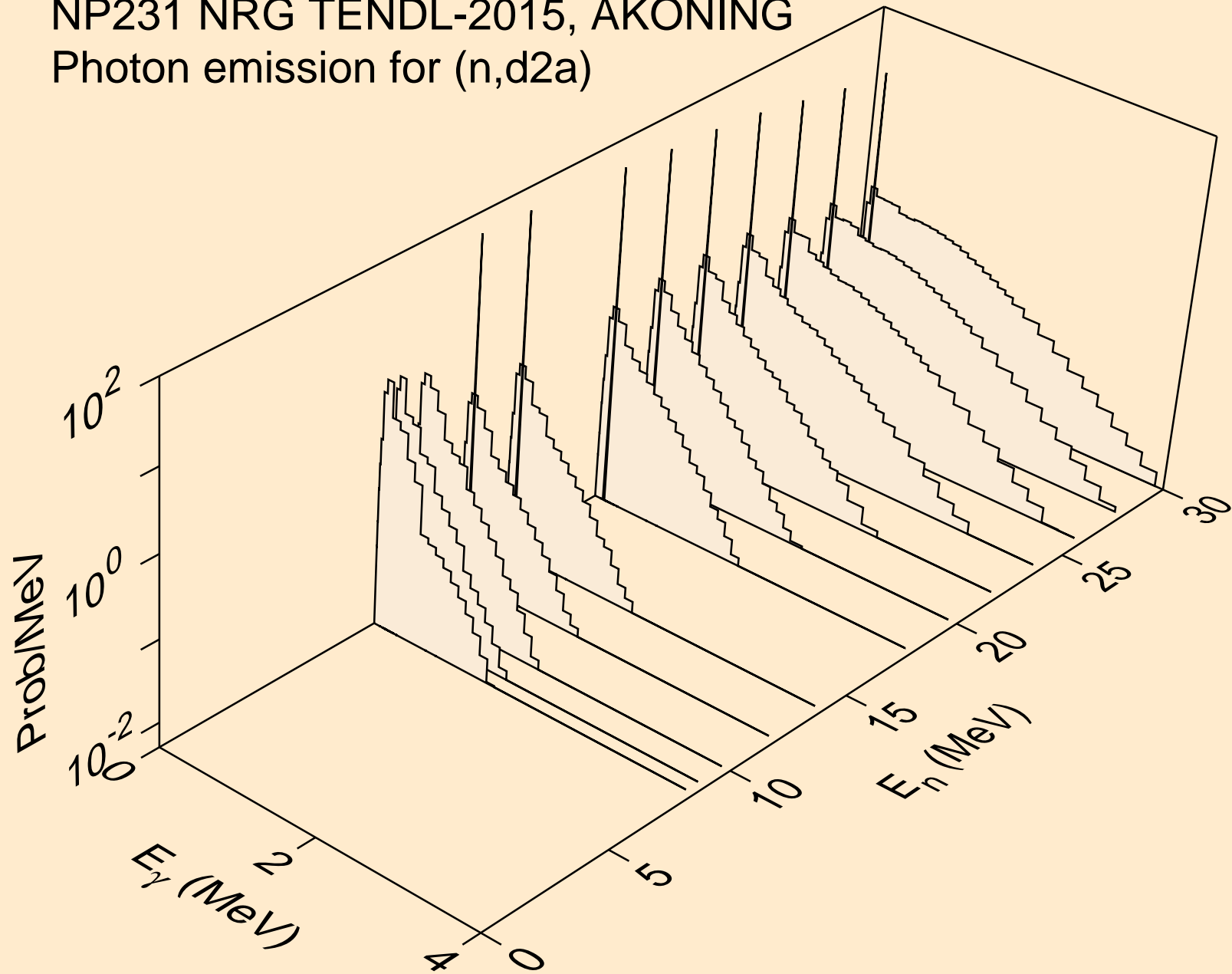
NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,p $\alpha$ )



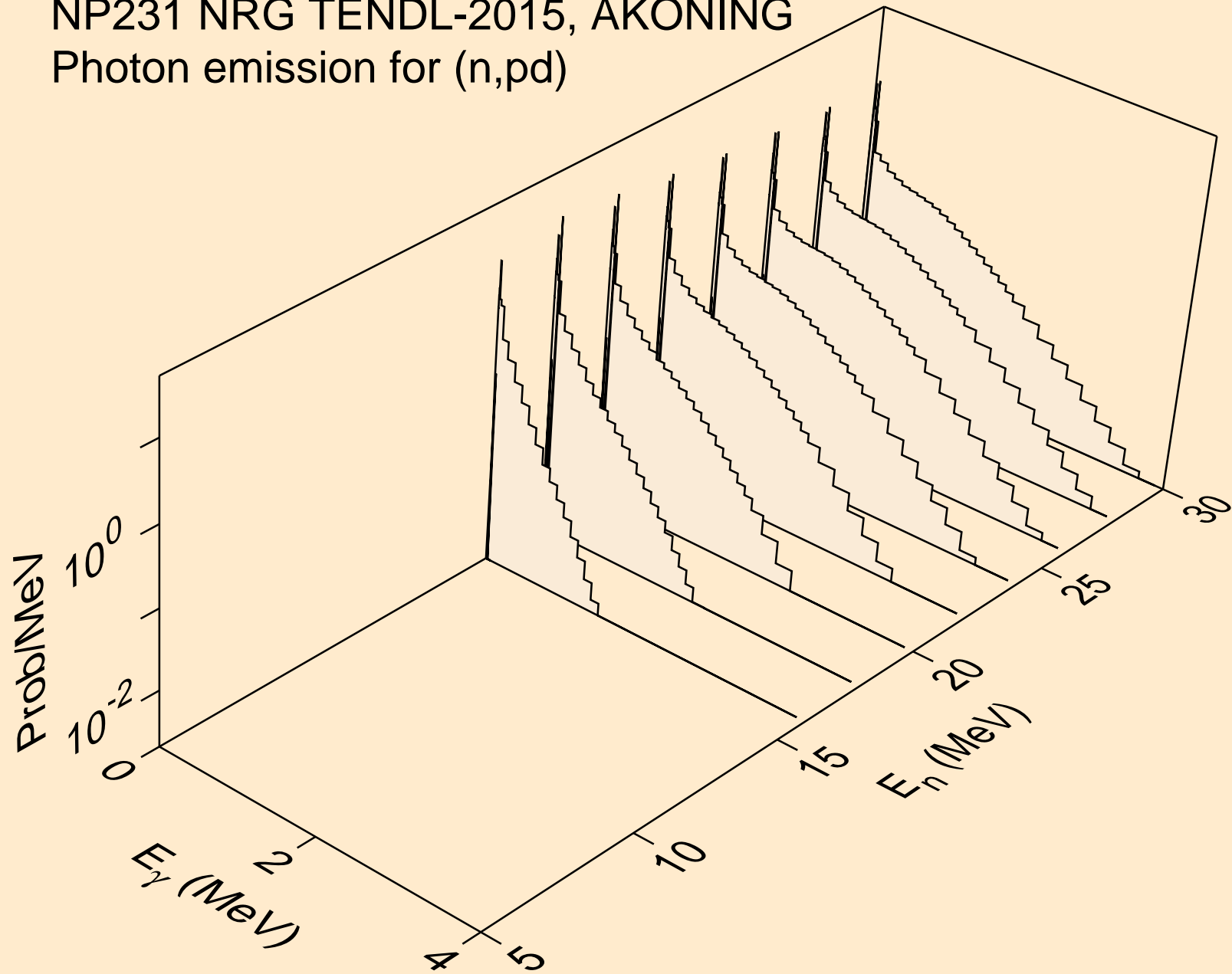
NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,t2a)



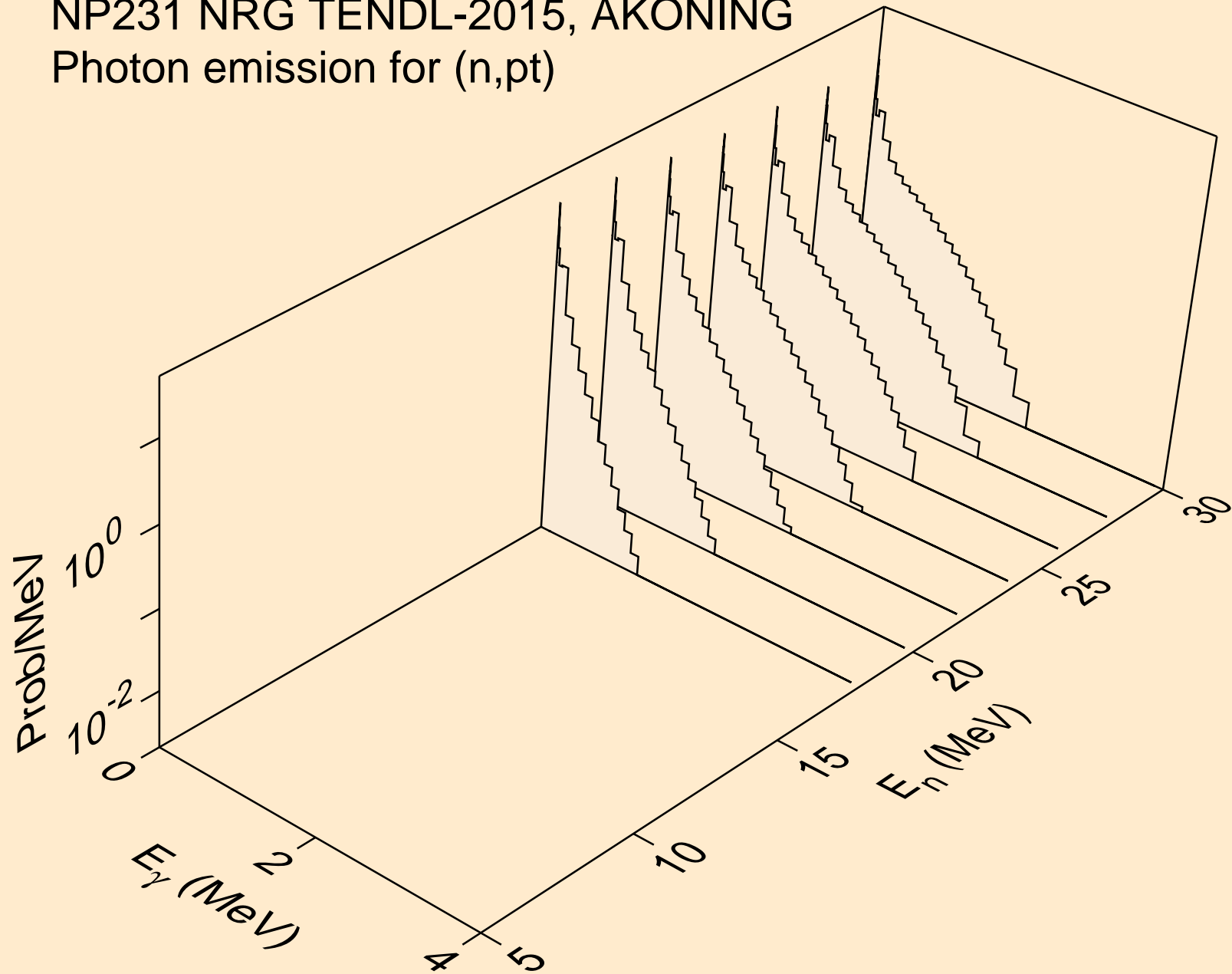
NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,d2a)



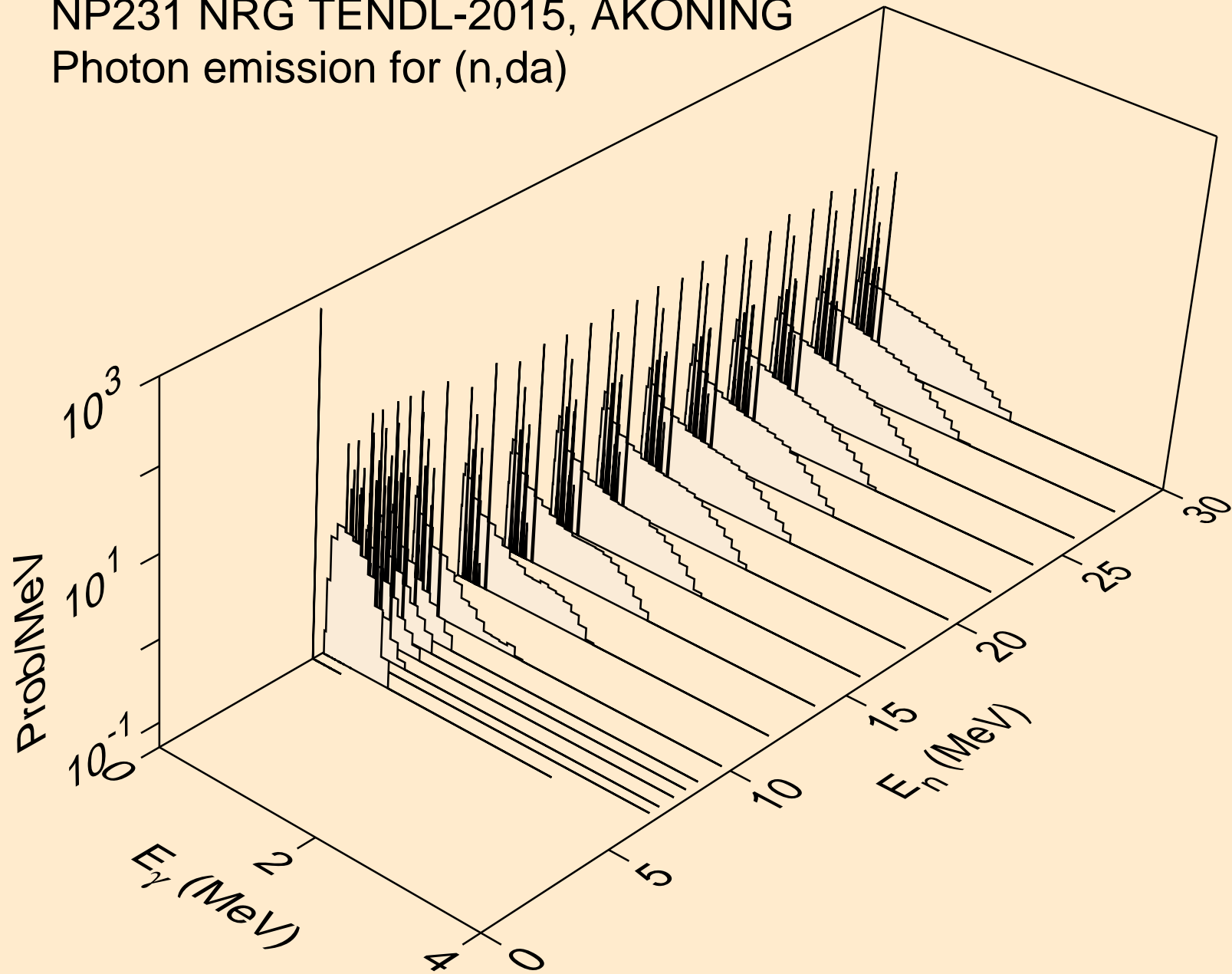
NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)

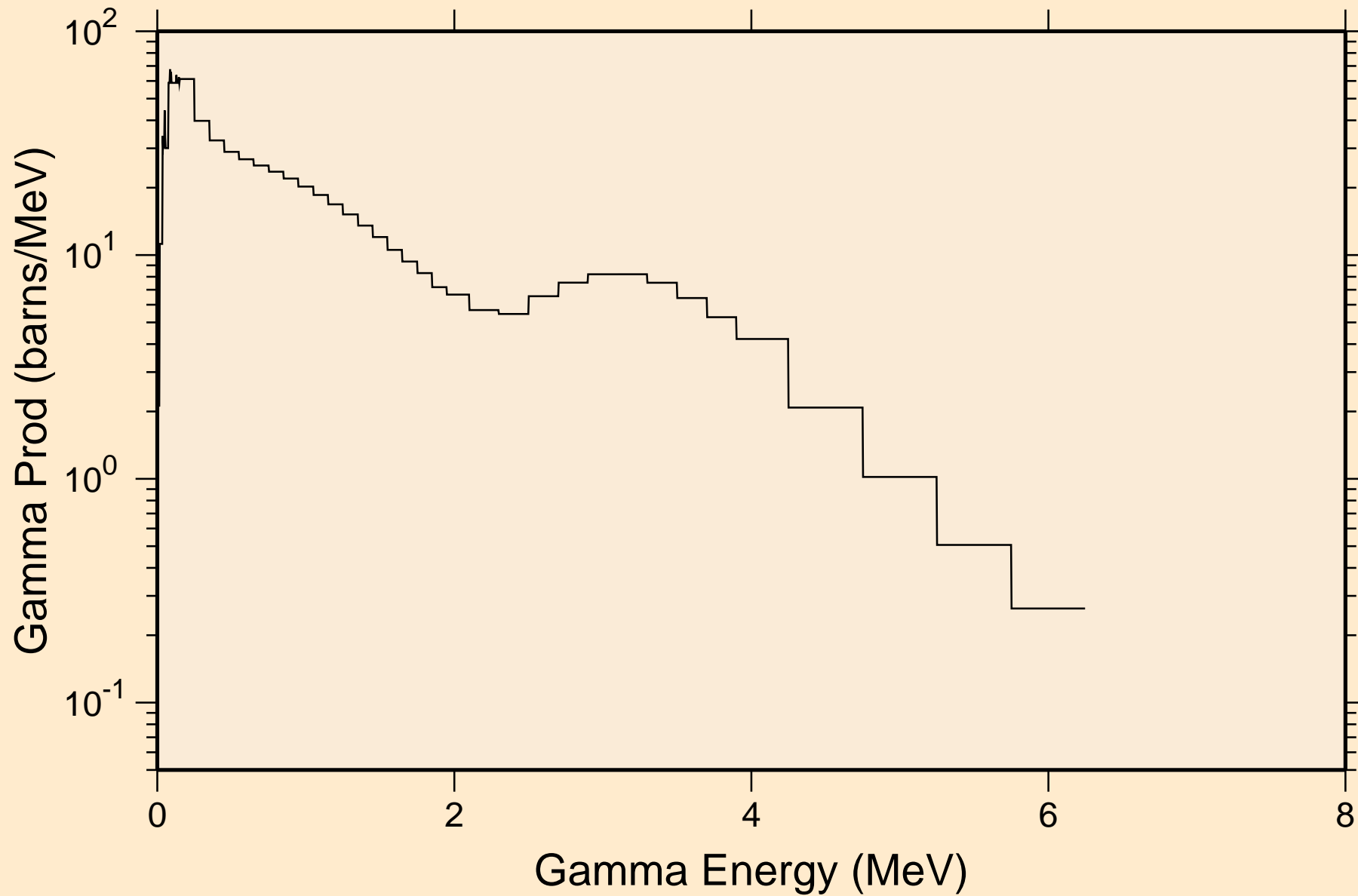


NP231 NRG TENDL-2015, AKONING  
Photon emission for (n,da)

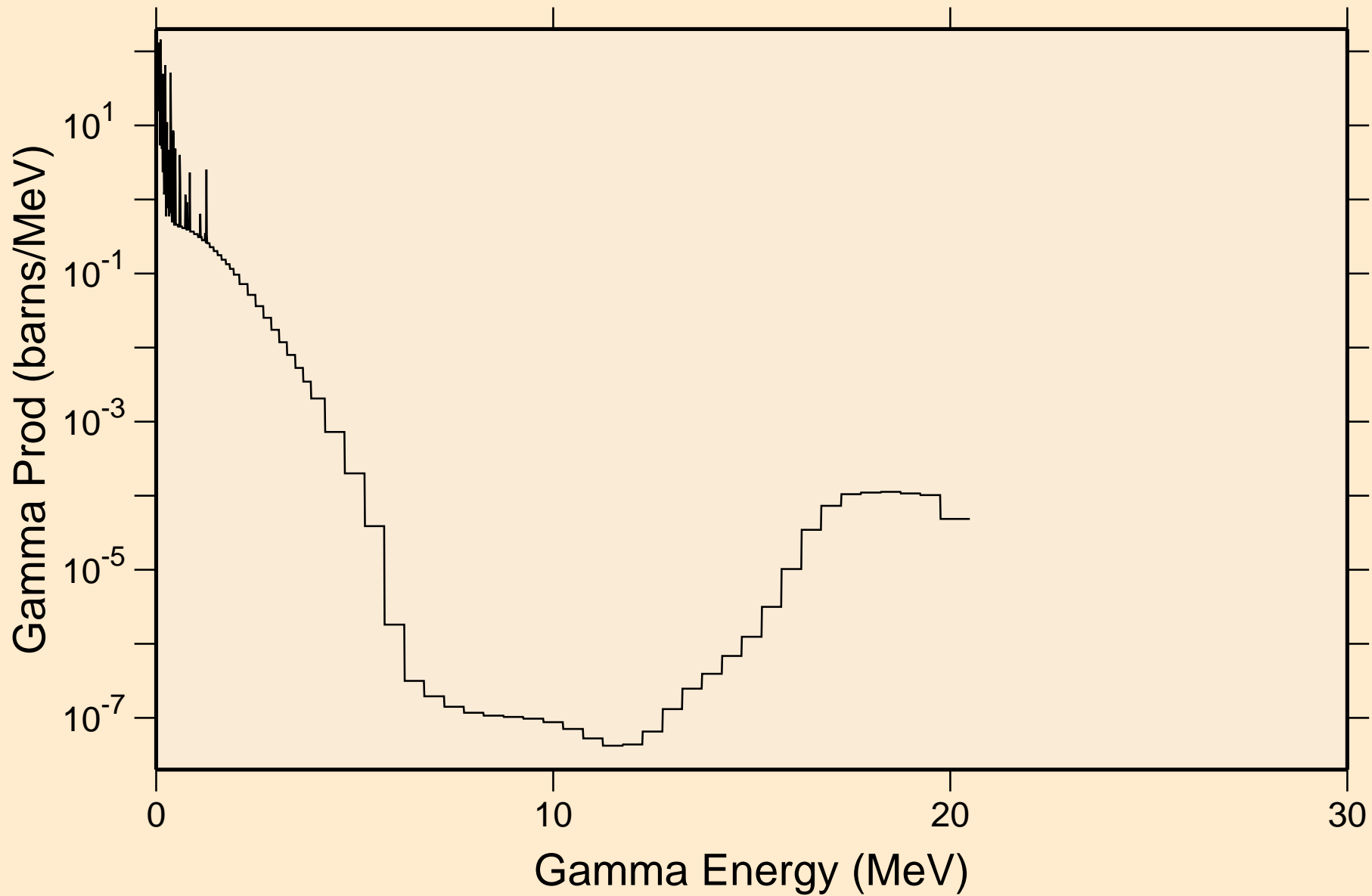




NP231 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

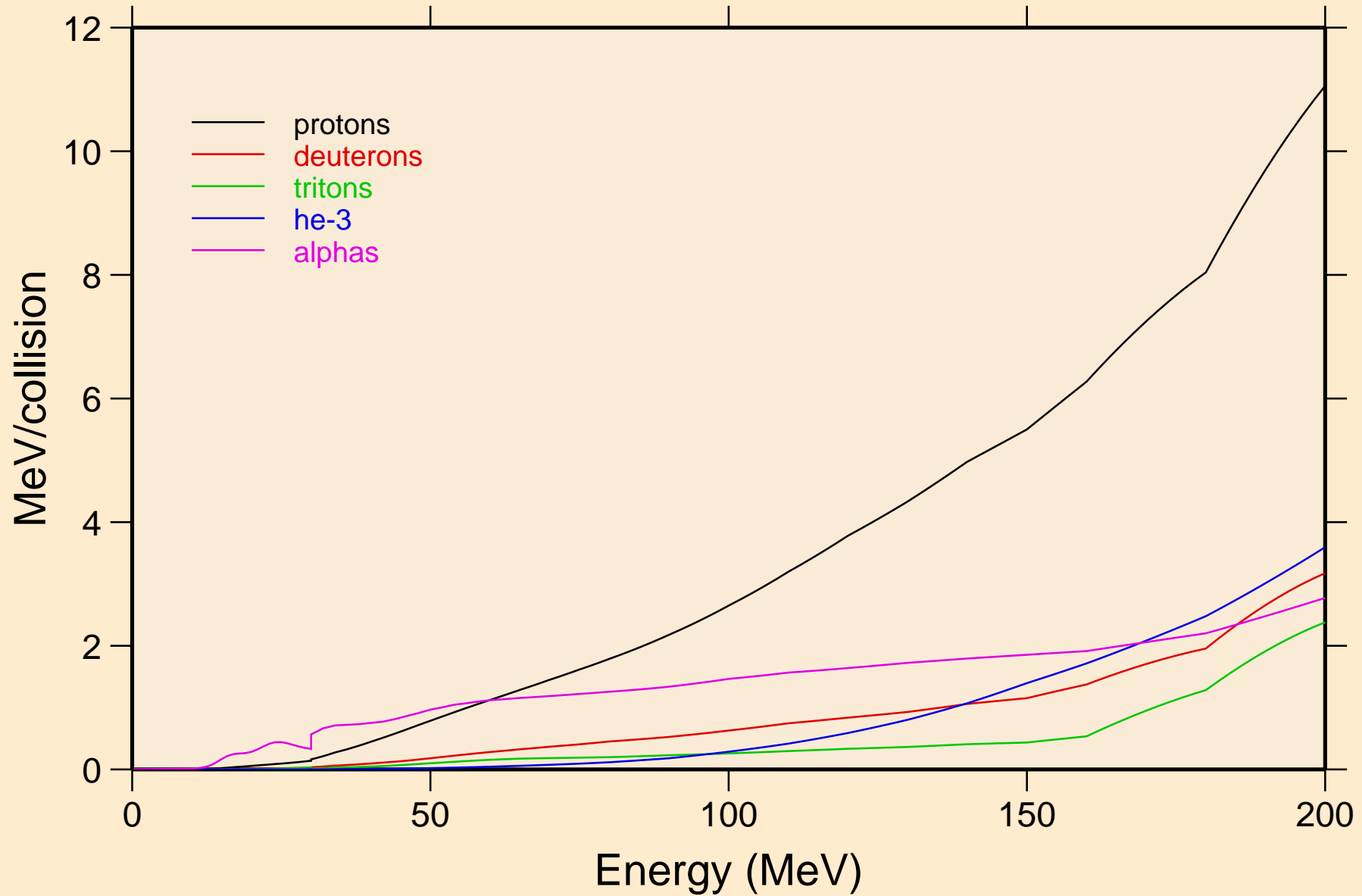


NP231 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



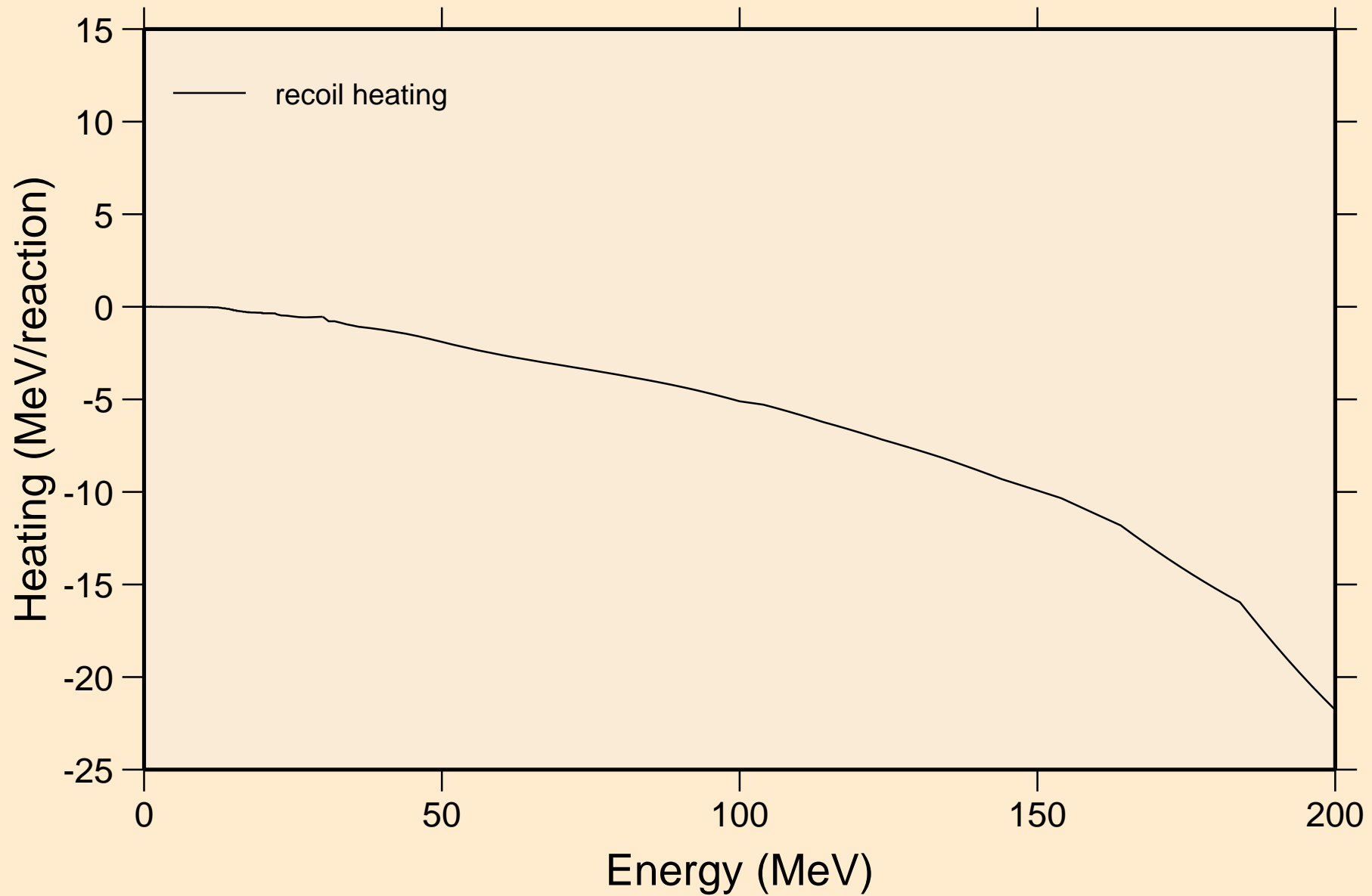
# NP231 NRG TENDL-2015, AKONING

## Particle heating contributions



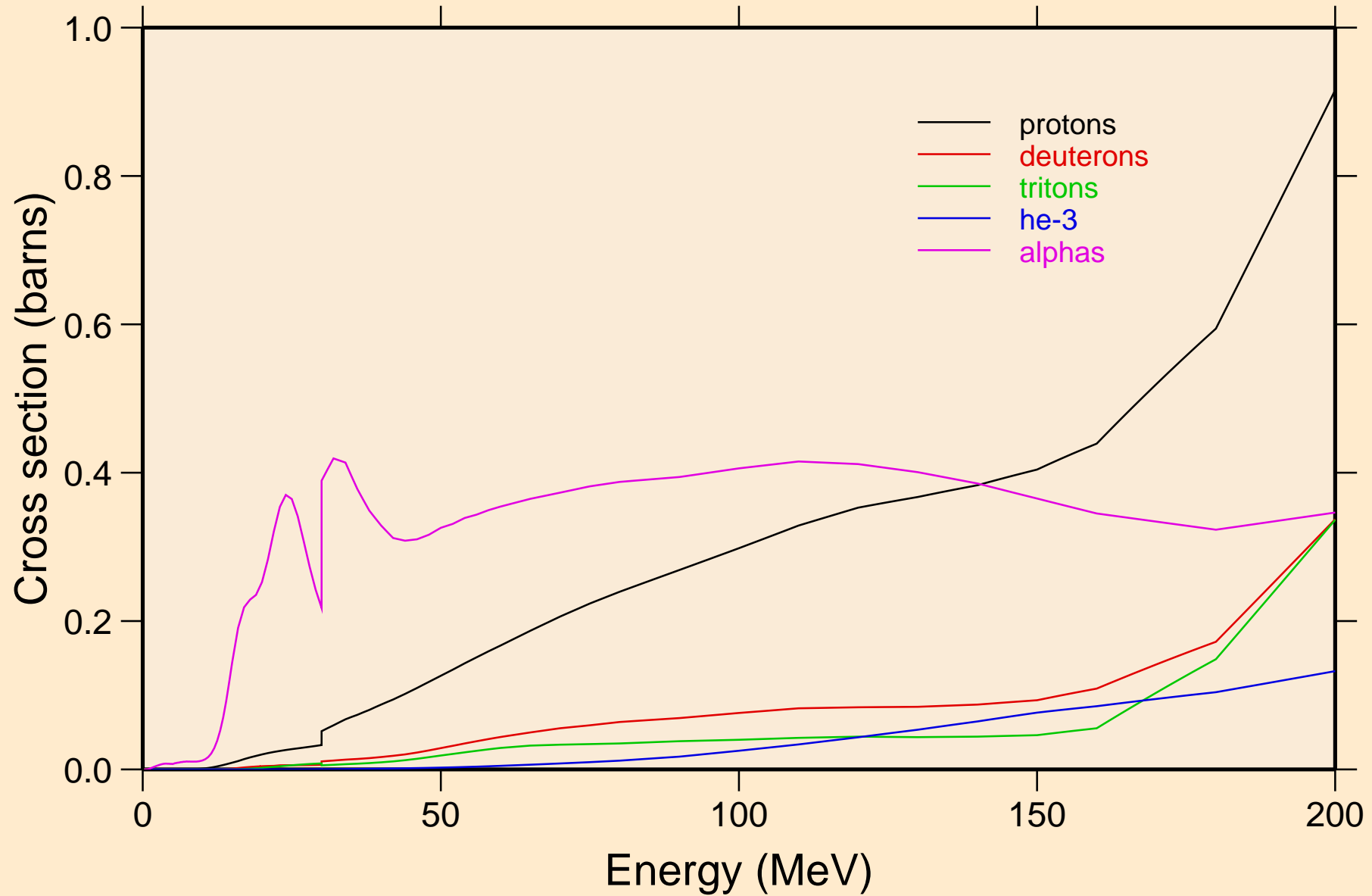
# NP231 NRG TENDL-2015, AKONING

## Recoil Heating

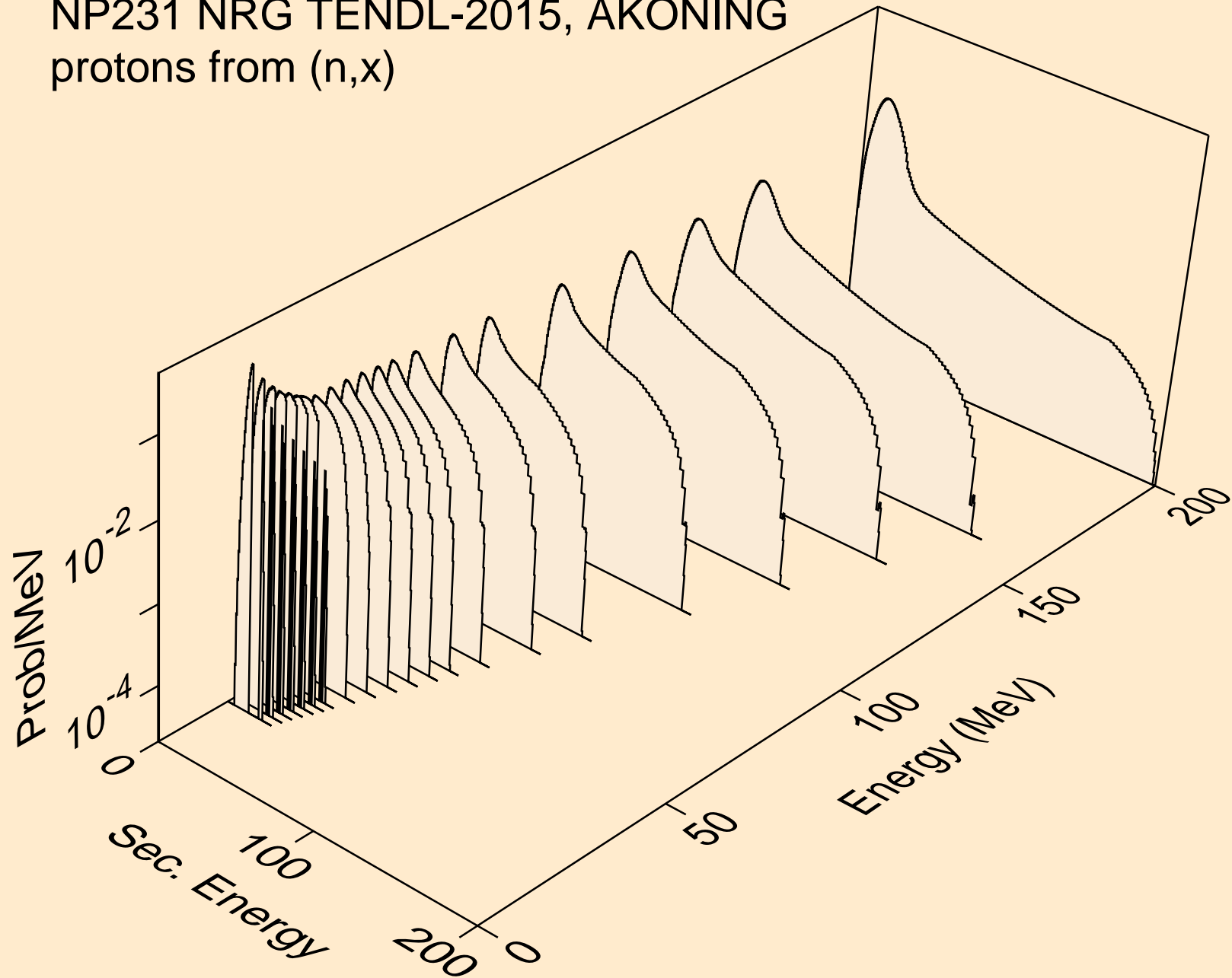


# NP231 NRG TENDL-2015, AKONING

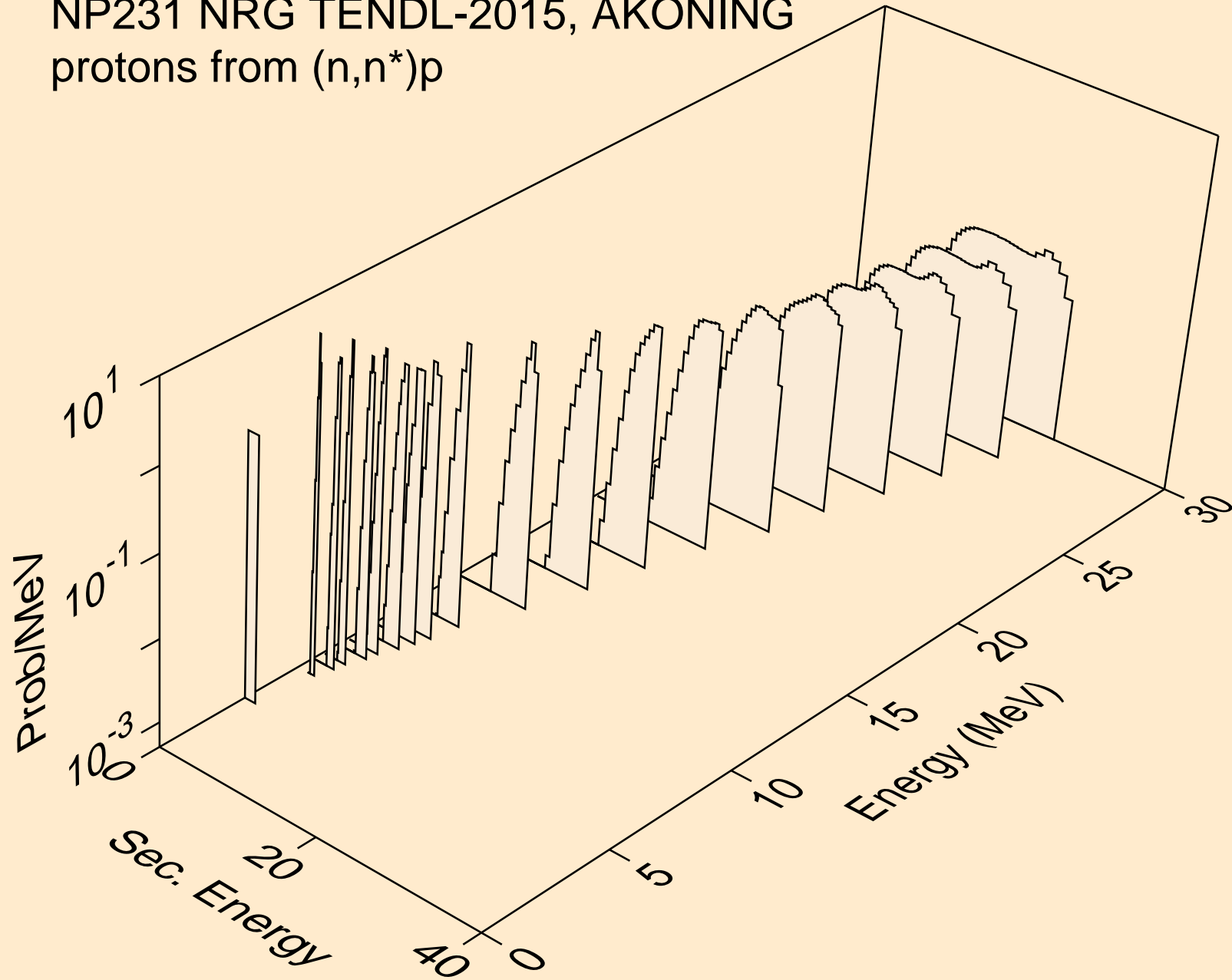
## Particle production cross sections



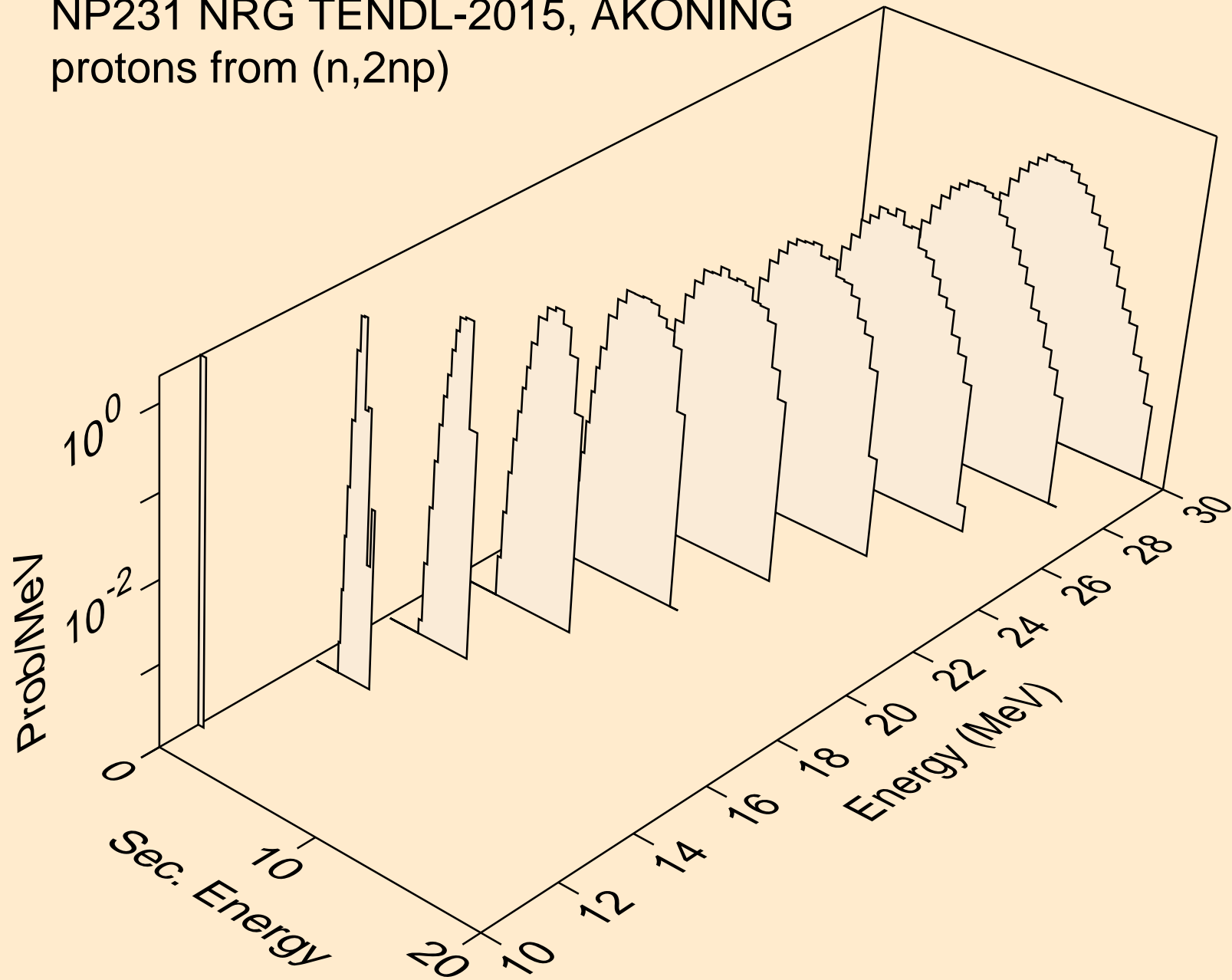
NP231 NRG TENDL-2015, AKONING  
protons from (n,x)



NP231 NRG TENDL-2015, AKONING  
protons from (n,n\*)p

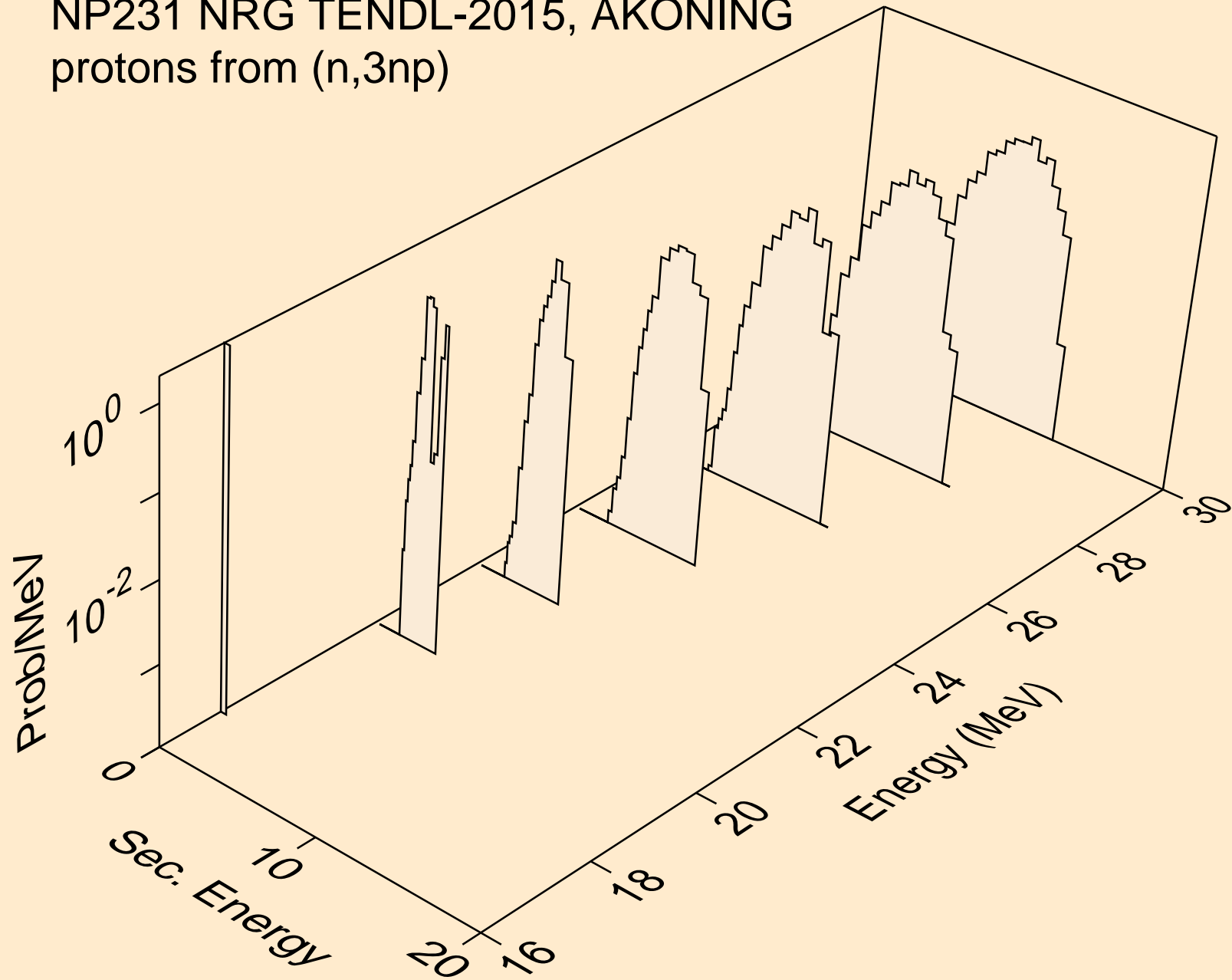


NP231 NRG TENDL-2015, AKONING  
protons from (n,2np)

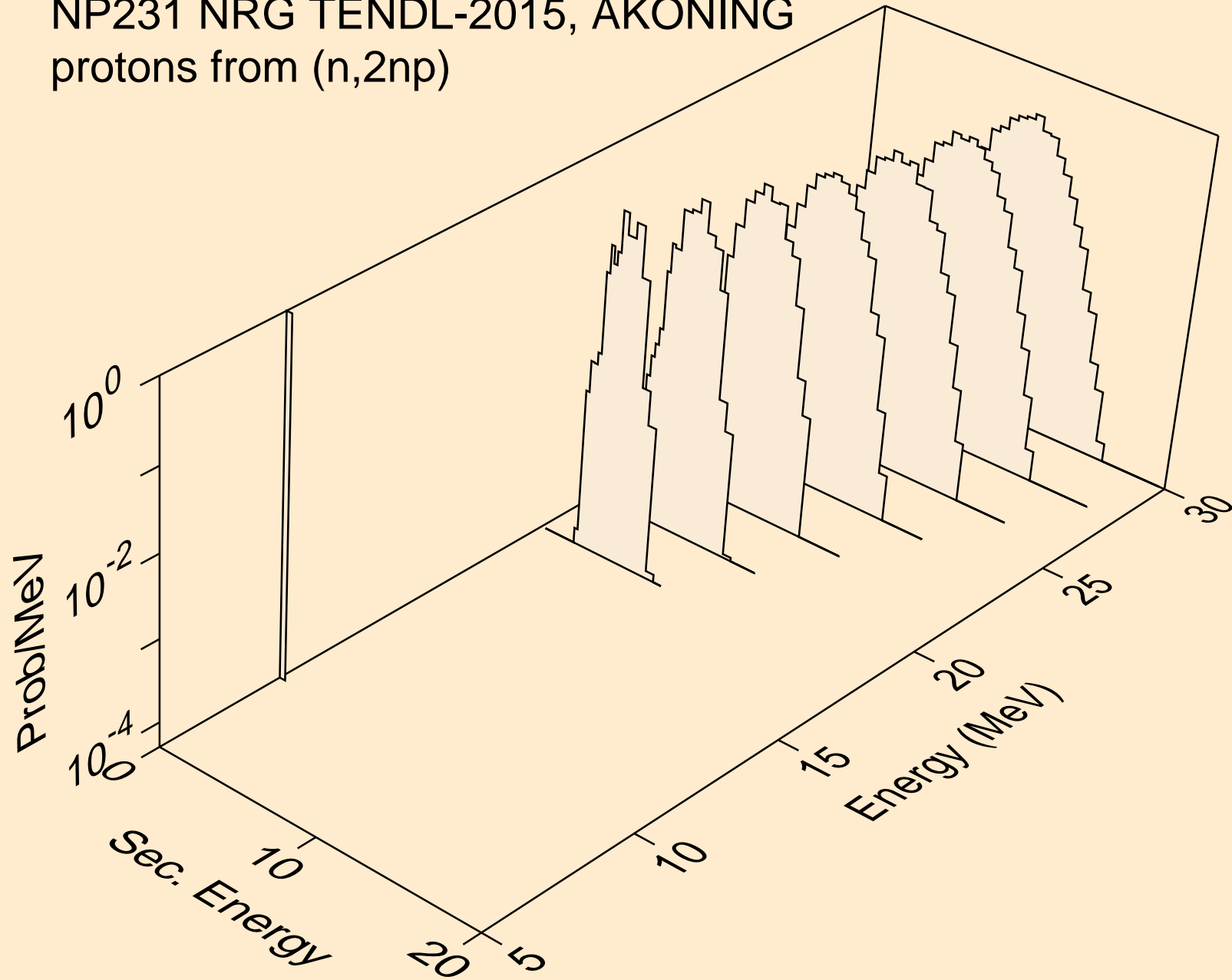




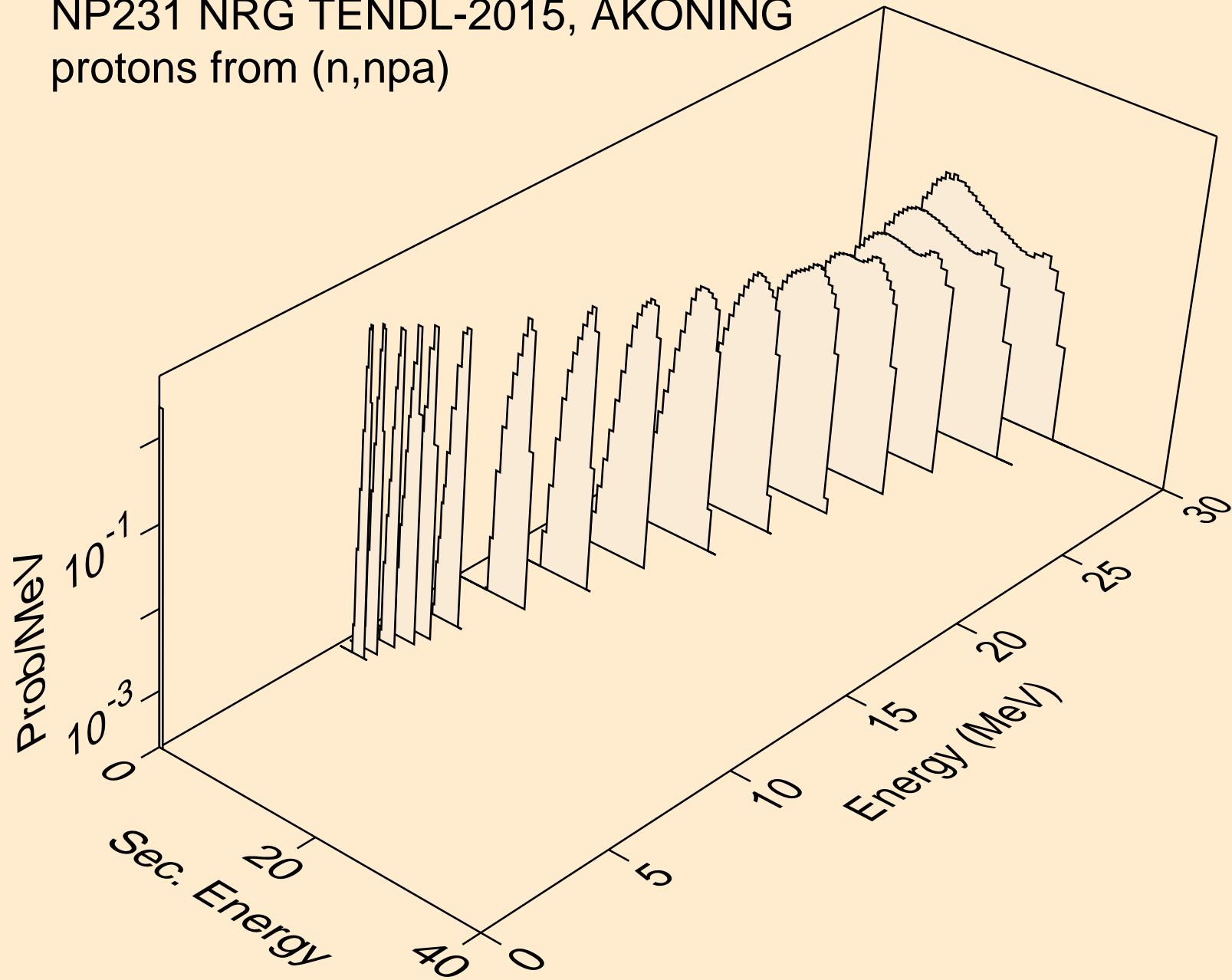
NP231 NRG TENDL-2015, AKONING  
protons from (n,3np)



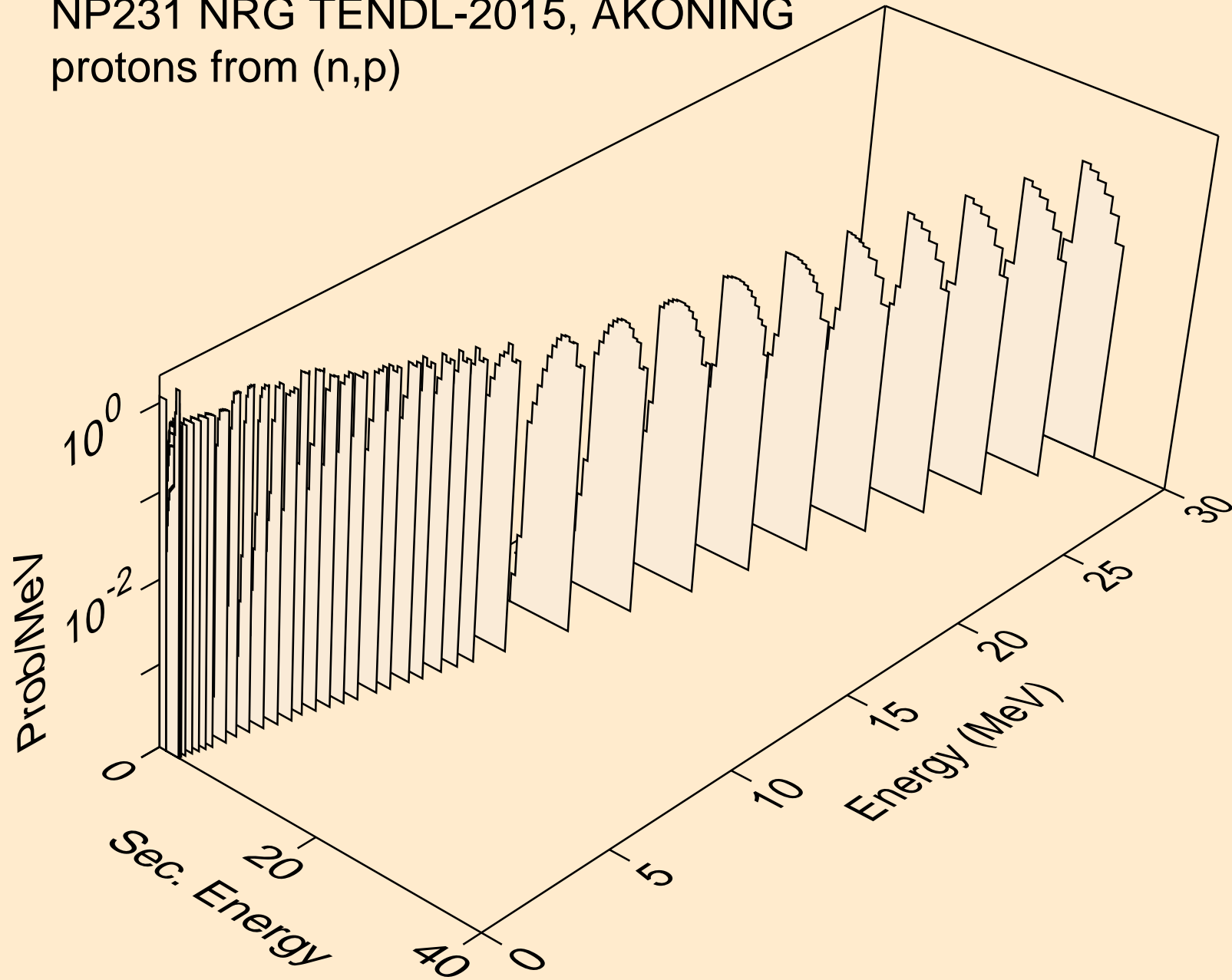
NP231 NRG TENDL-2015, AKONING  
protons from (n,2np)



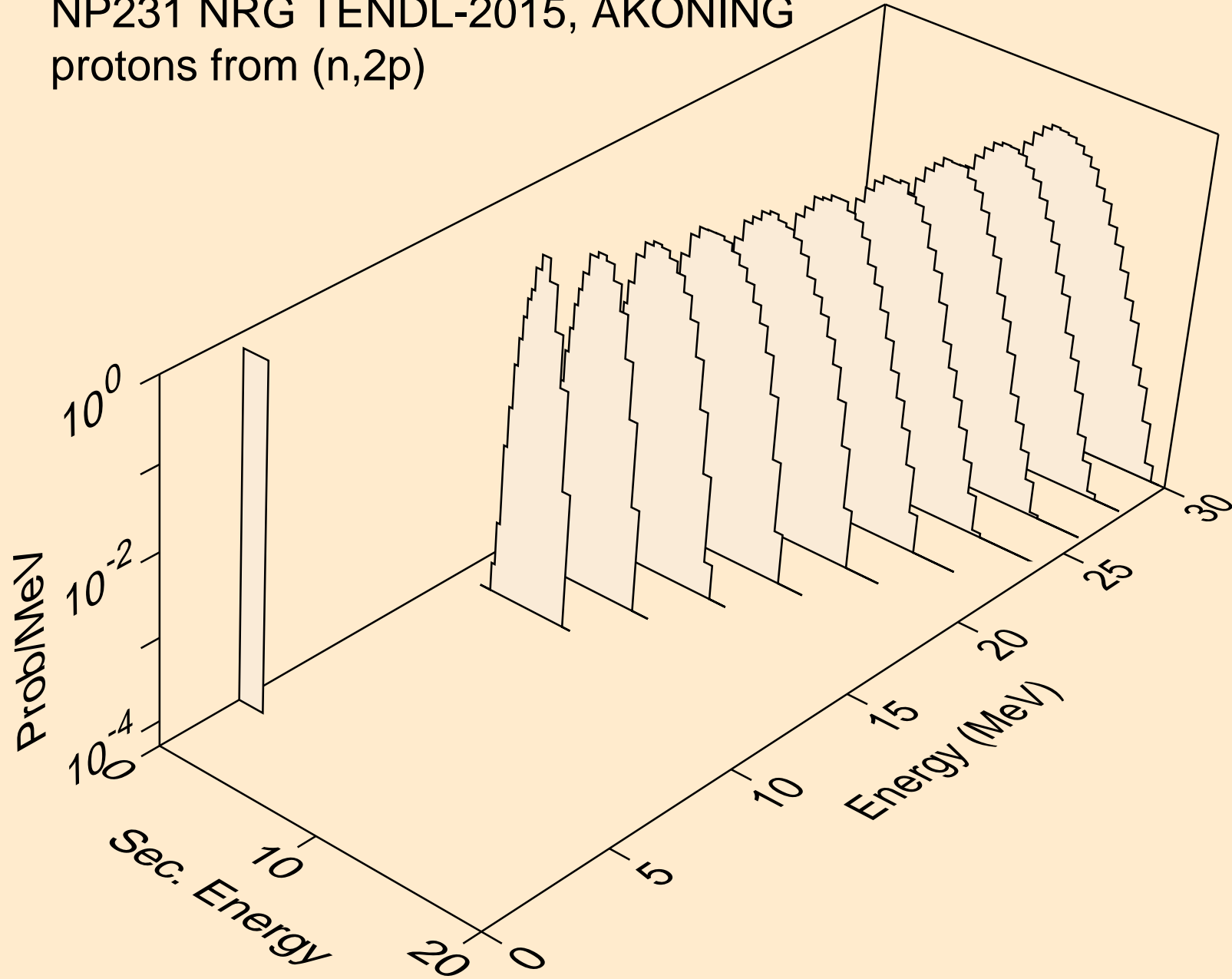
NP231 NRG TENDL-2015, AKONING  
protons from (n,npa)



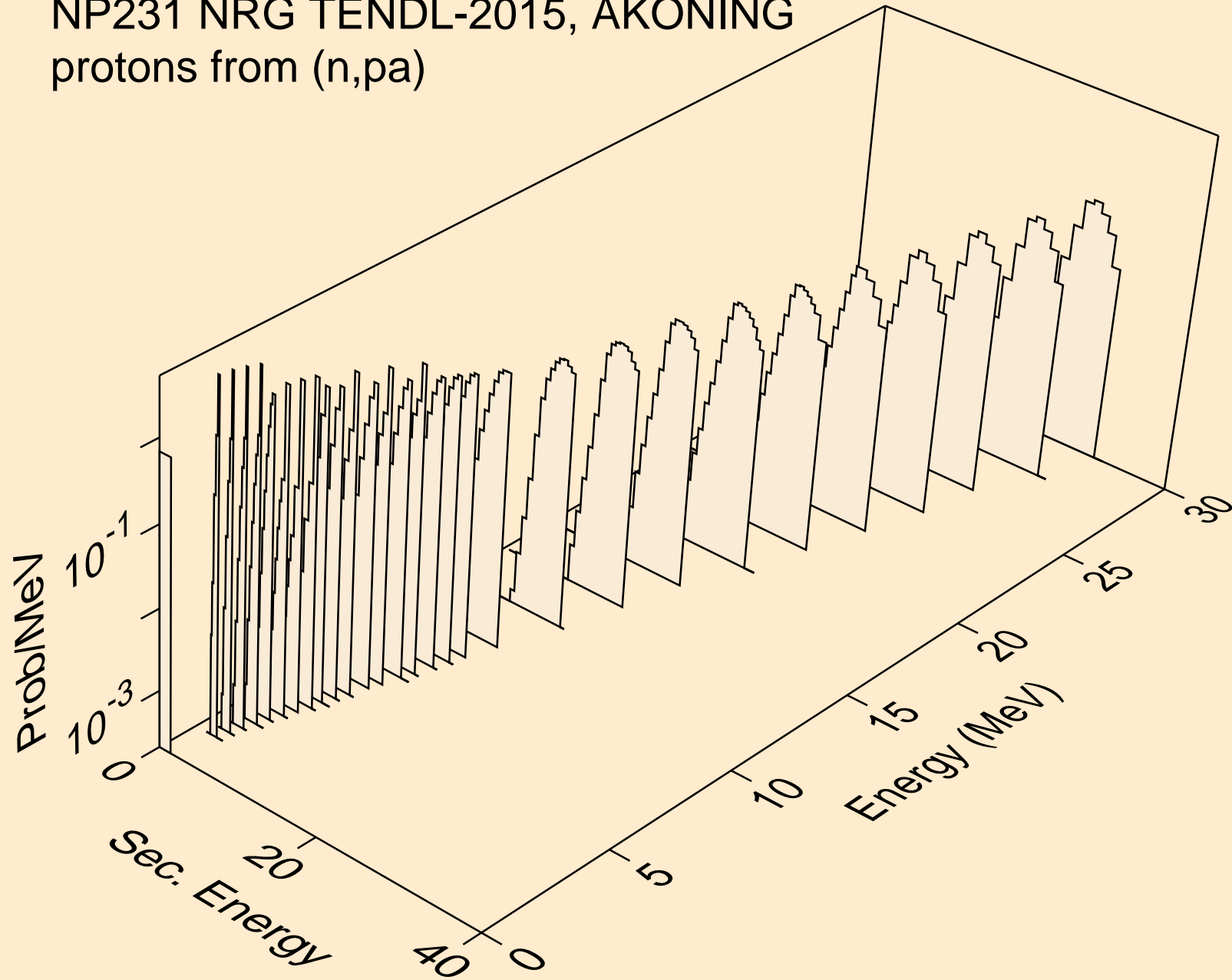
NP231 NRG TENDL-2015, AKONING  
protons from (n,p)



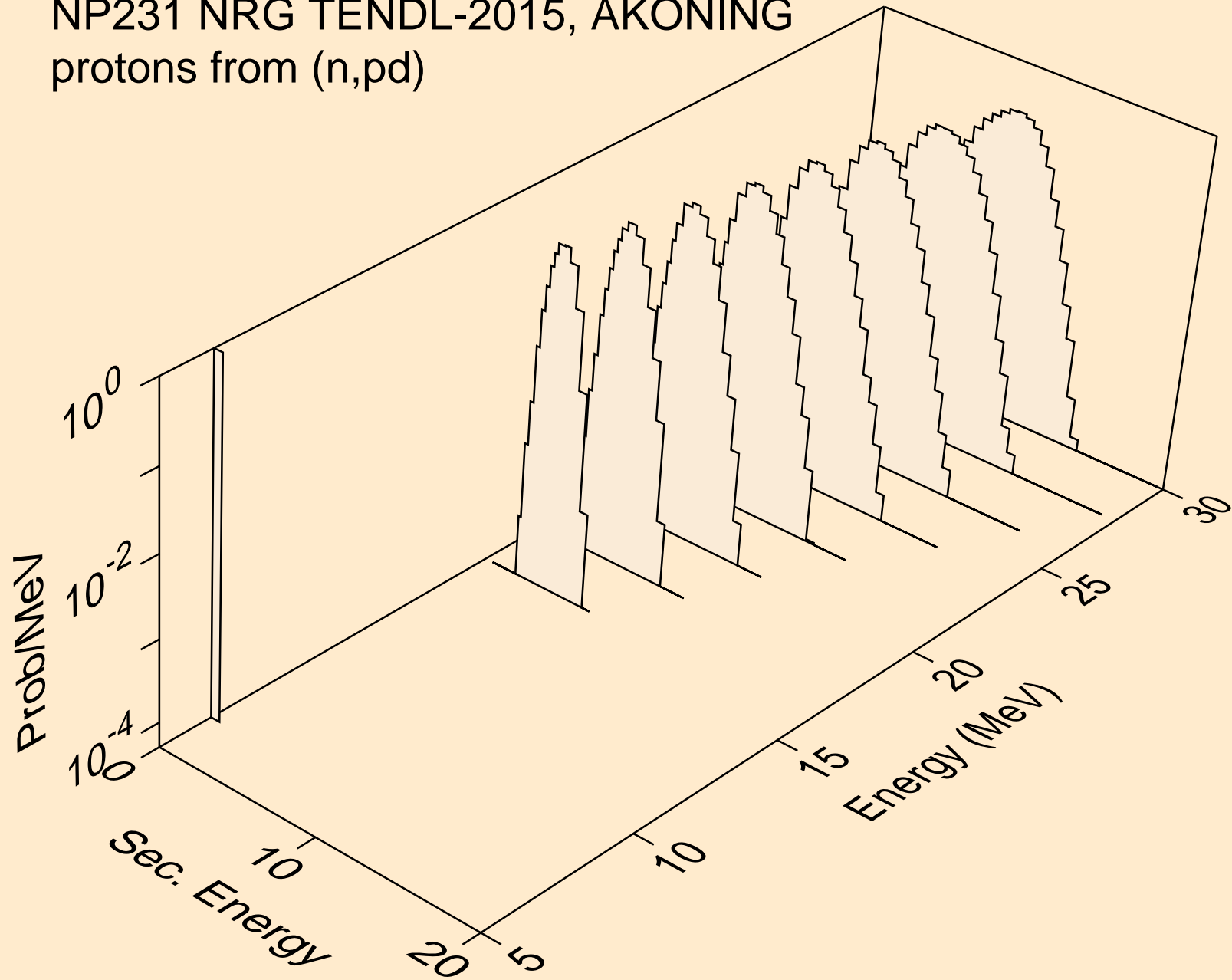
NP231 NRG TENDL-2015, AKONING  
protons from (n,2p)



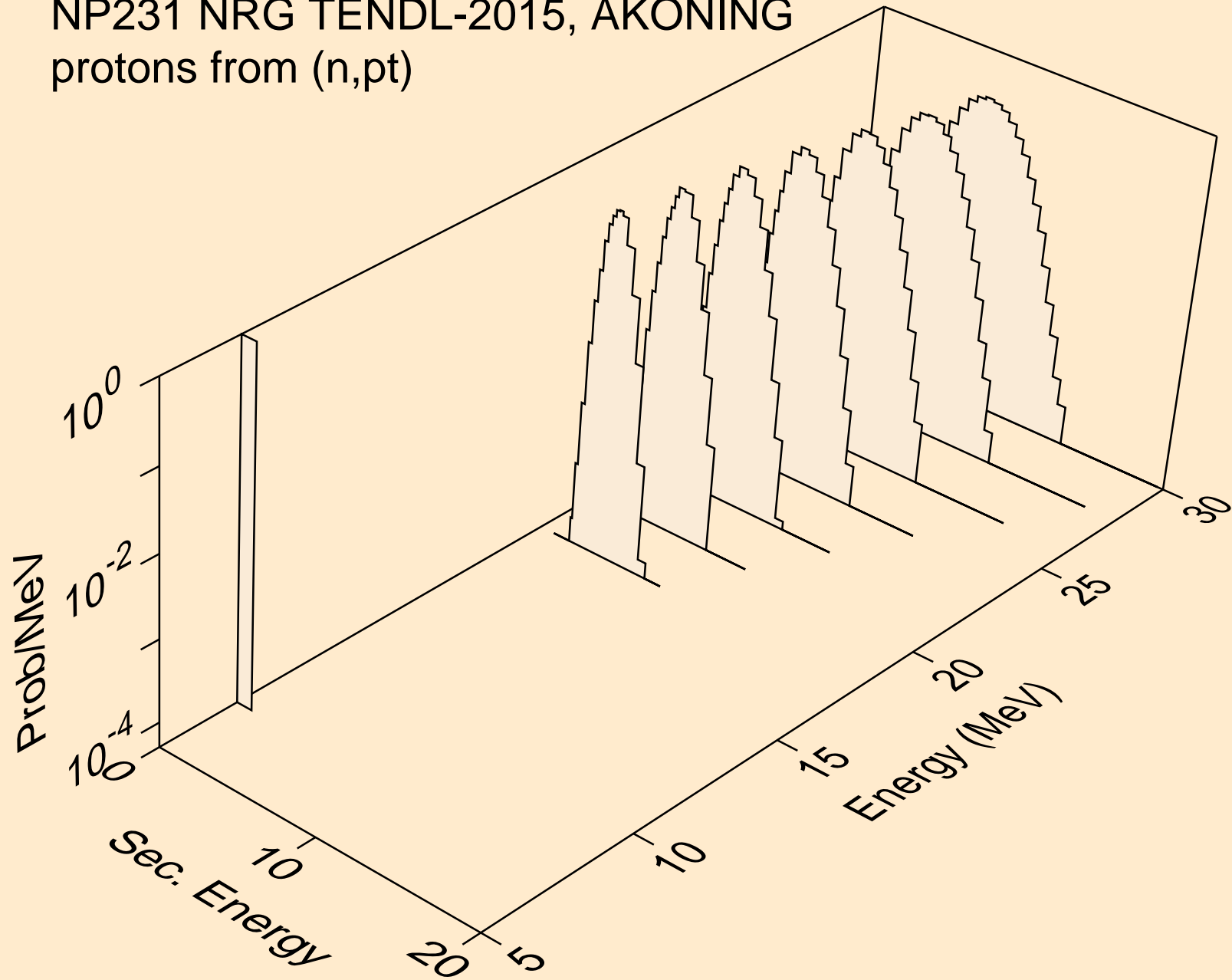
NP231 NRG TENDL-2015, AKONING  
protons from (n,pa)



NP231 NRG TENDL-2015, AKONING  
protons from (n,pd)

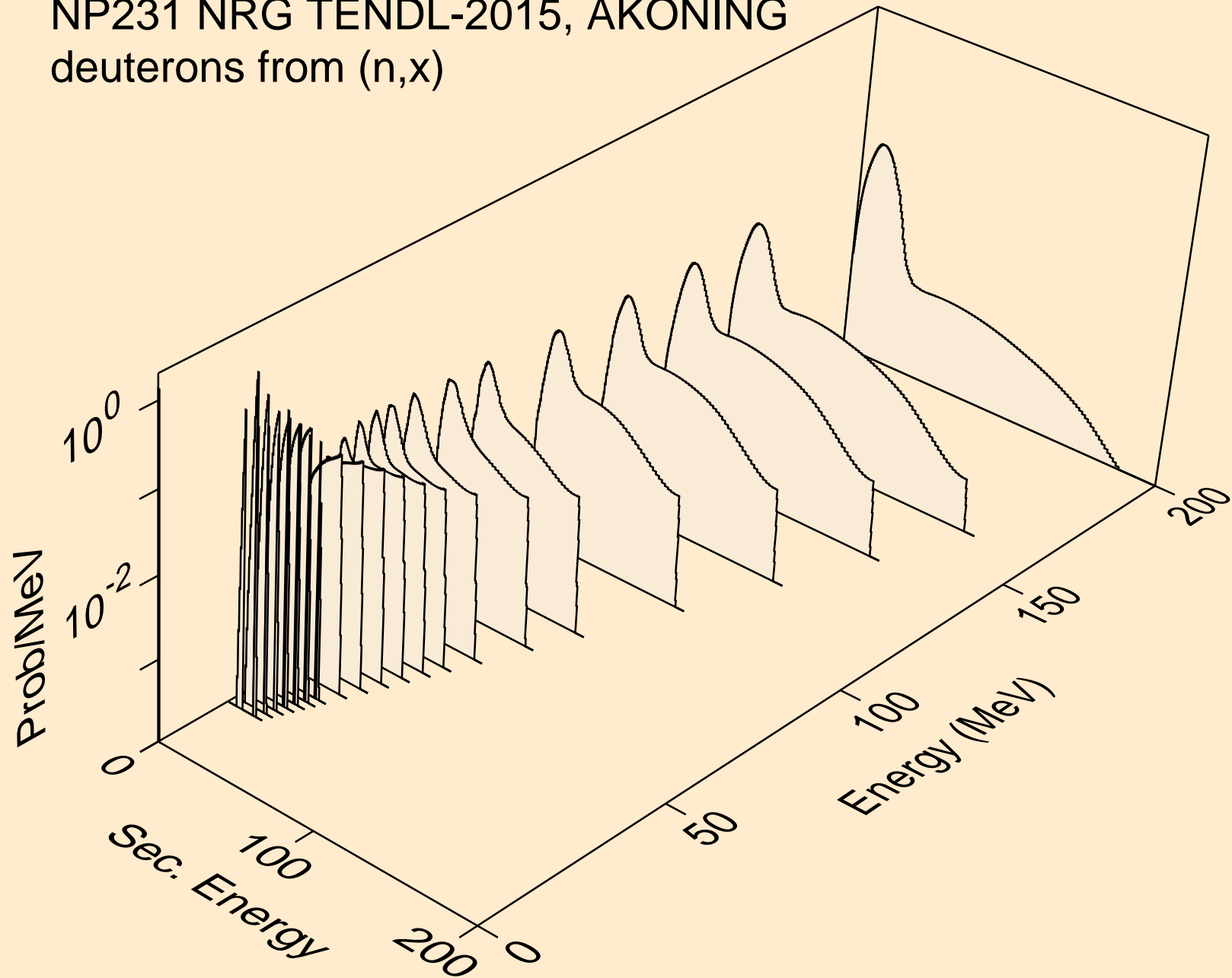


NP231 NRG TENDL-2015, AKONING  
protons from (n,pt)

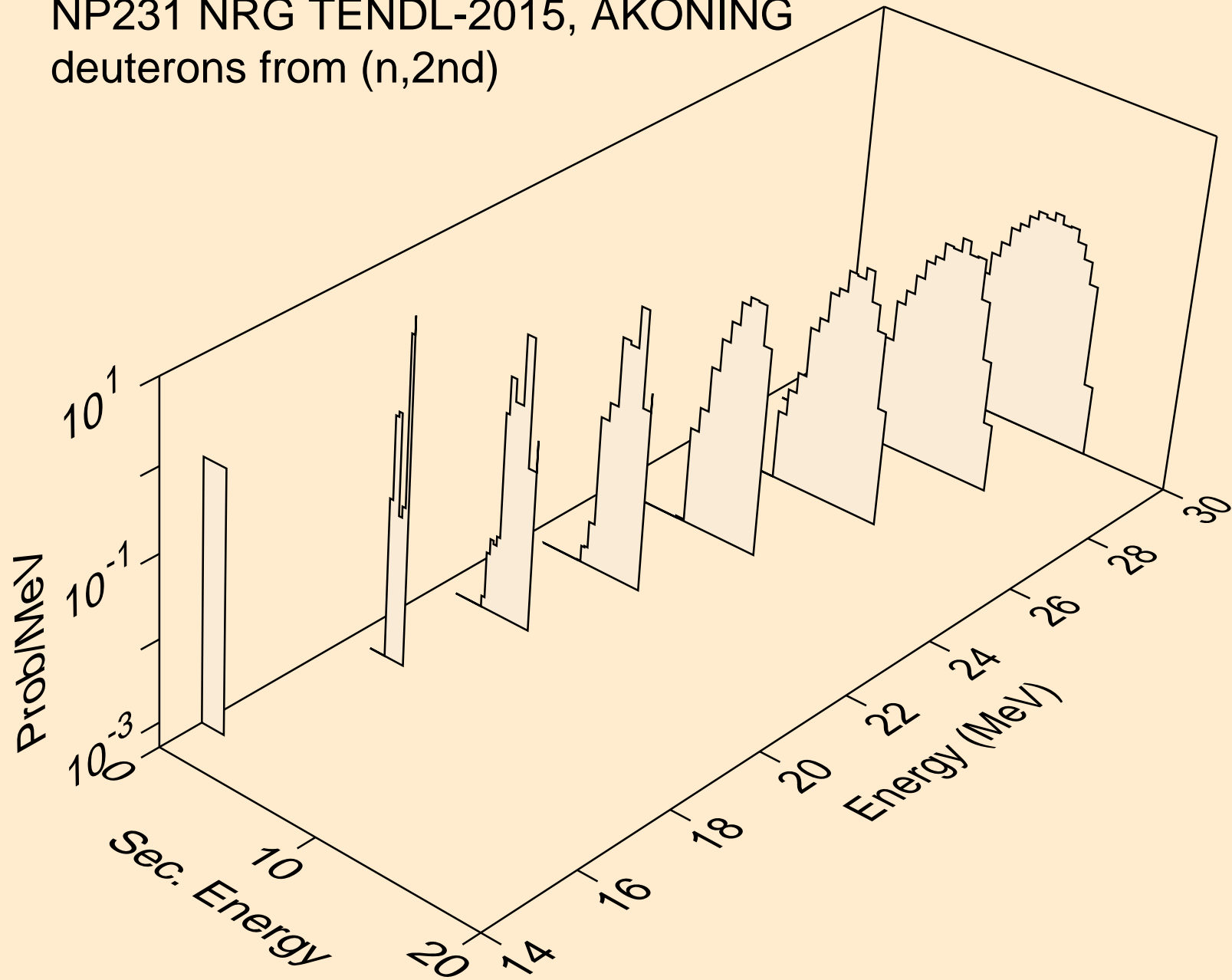




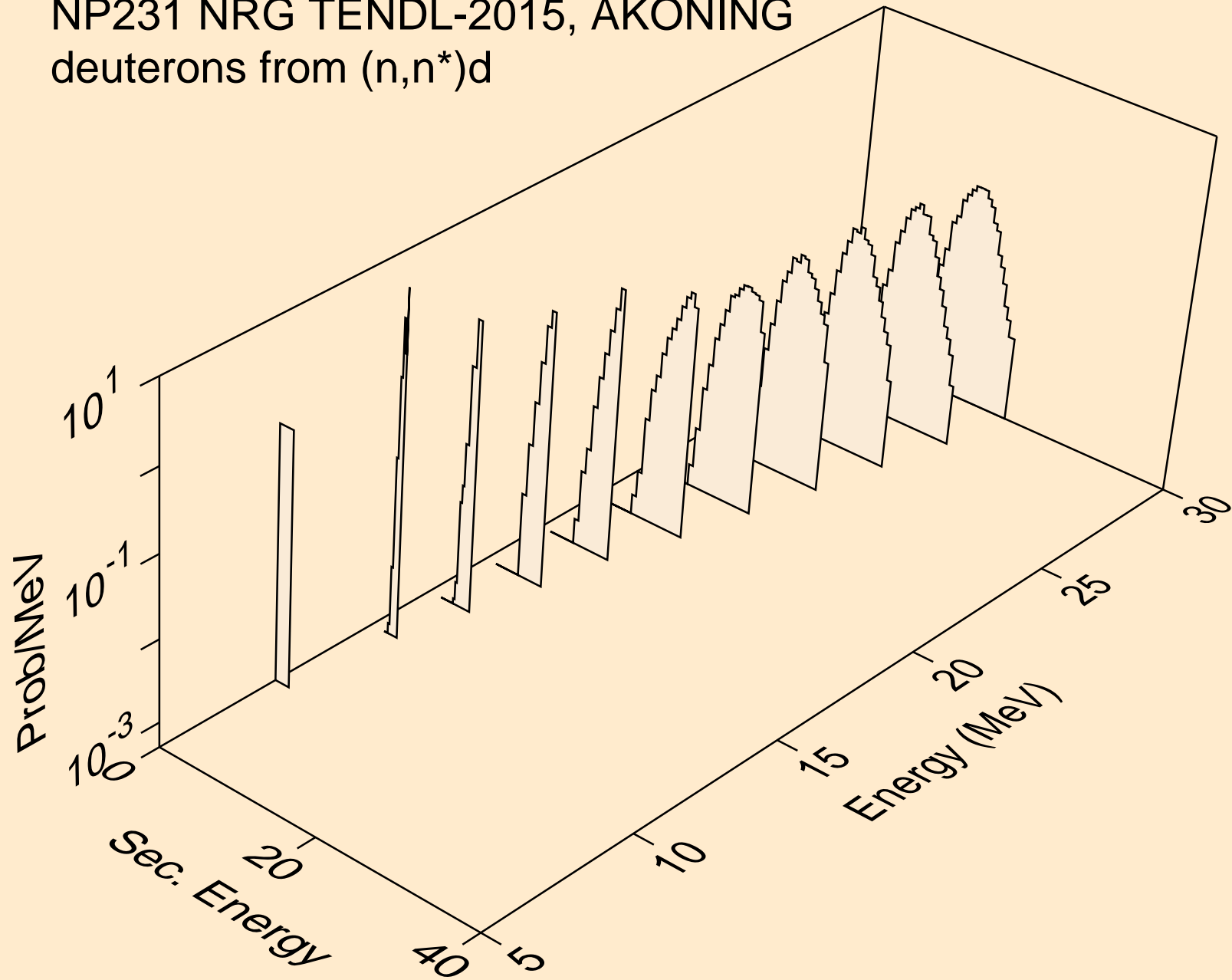
NP231 NRG TENDL-2015, AKONING  
deuterons from (n,x)



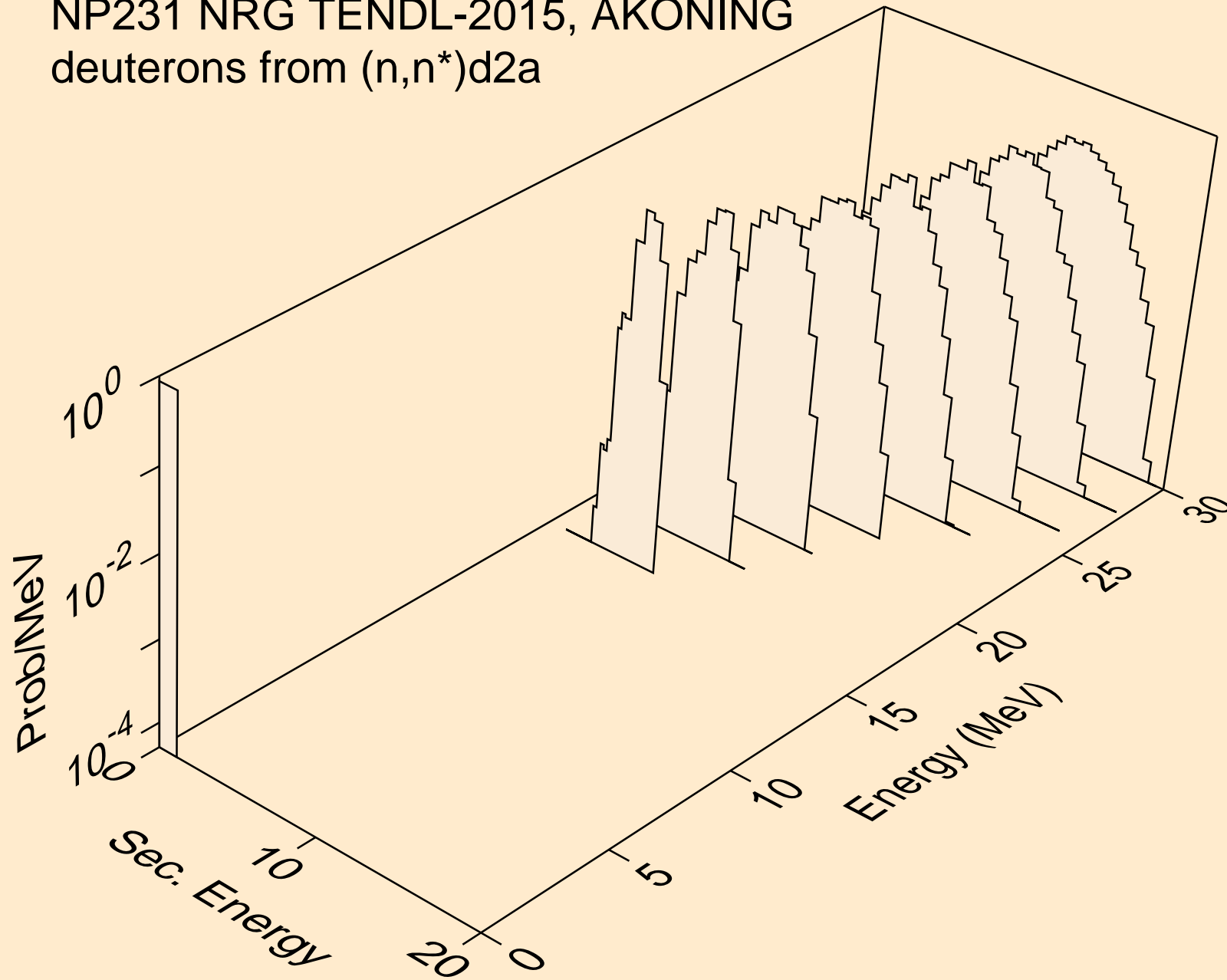
NP231 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



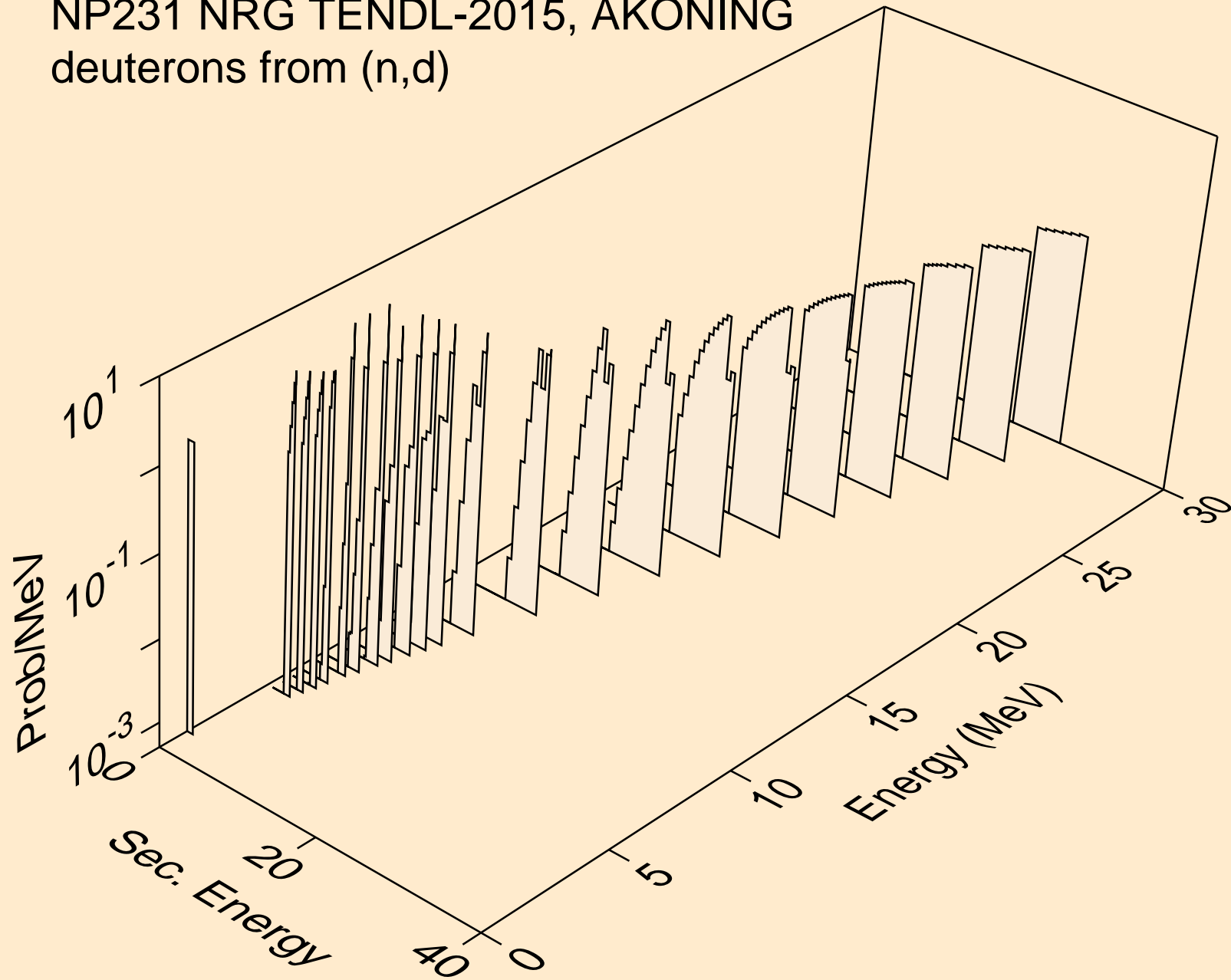
NP231 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



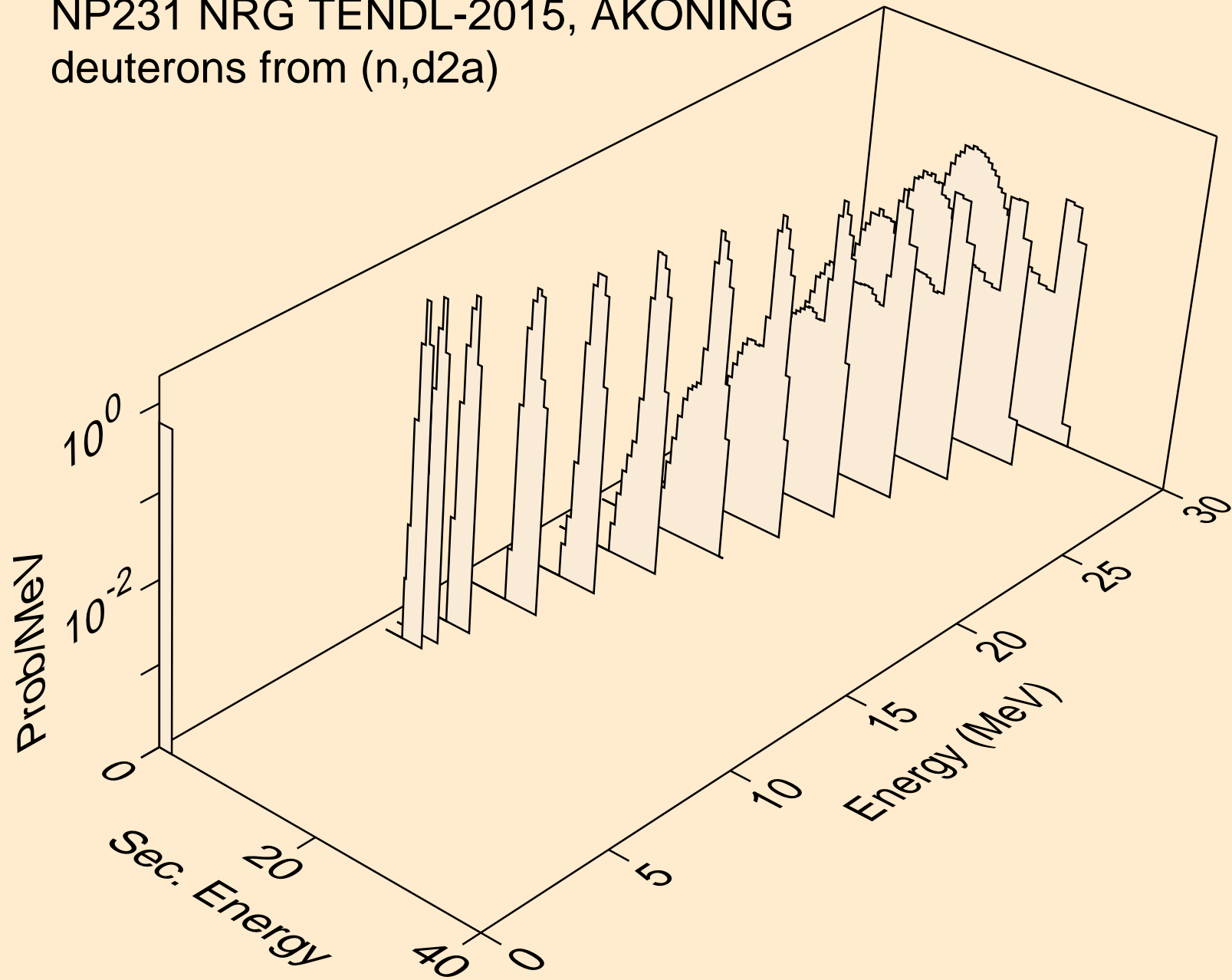
NP231 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d2a



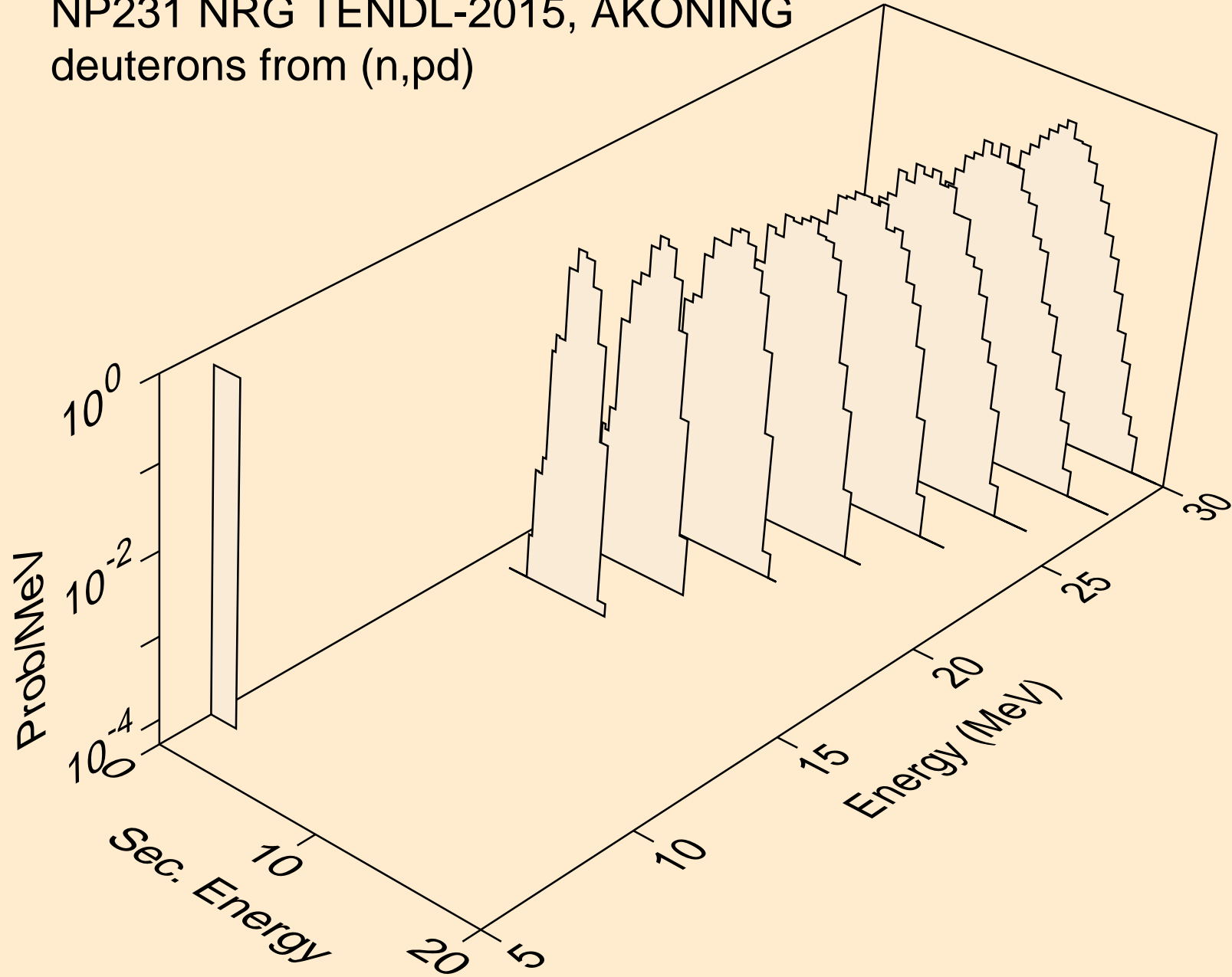
NP231 NRG TENDL-2015, AKONING  
deuterons from (n,d)



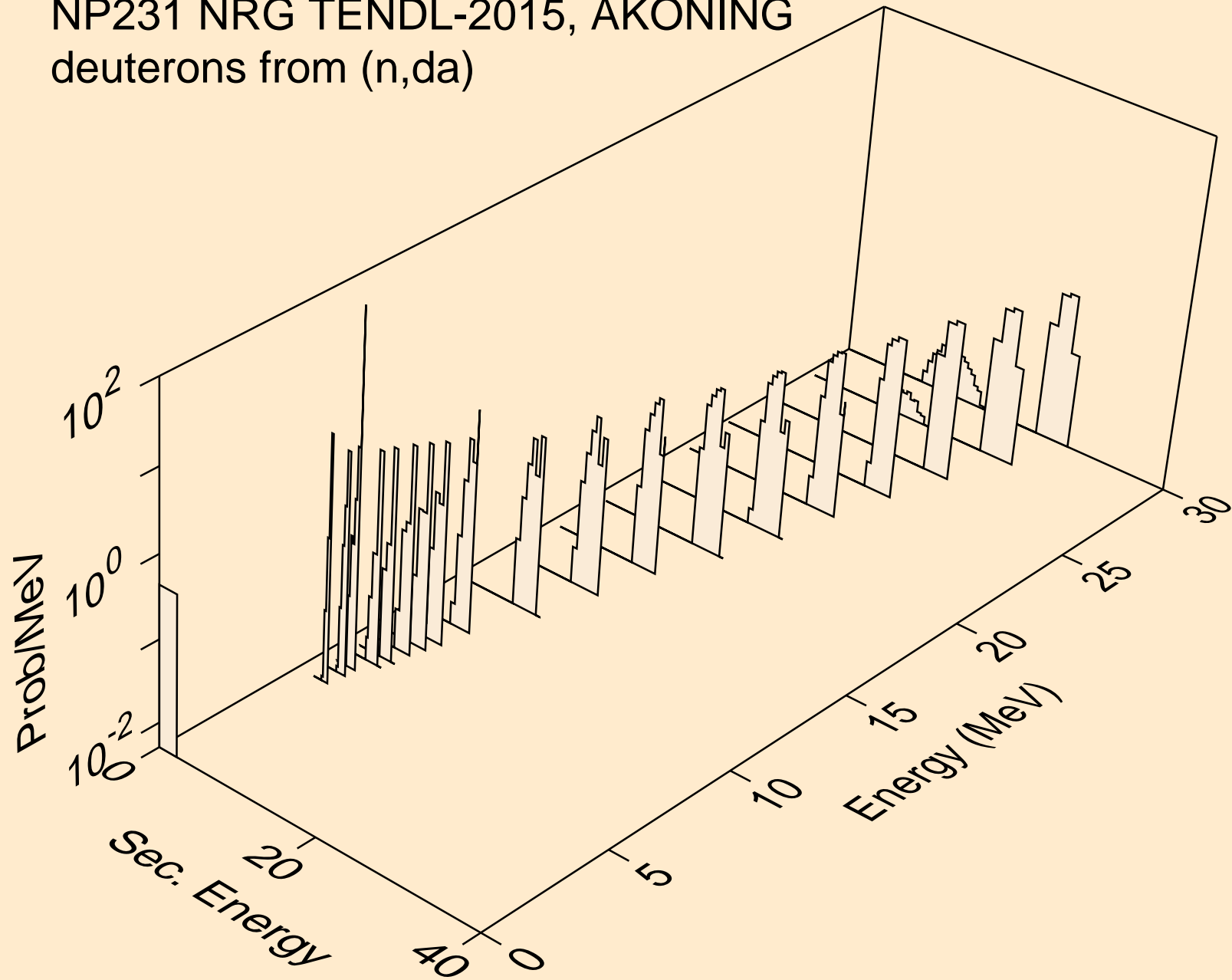
NP231 NRG TENDL-2015, AKONING  
deuterons from (n,d2a)



NP231 NRG TENDL-2015, AKONING  
deuterons from (n,pd)

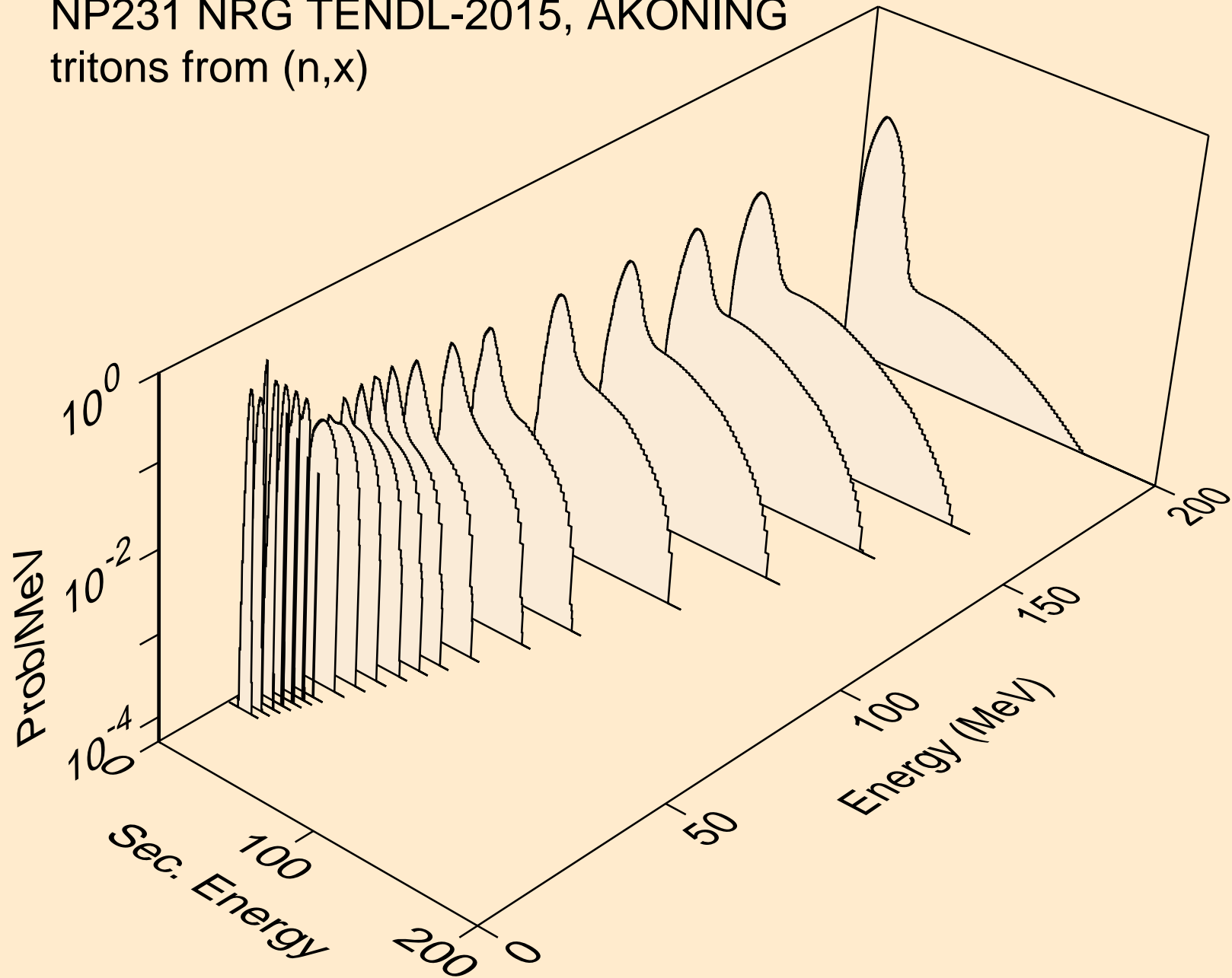


NP231 NRG TENDL-2015, AKONING  
deuterons from (n,da)

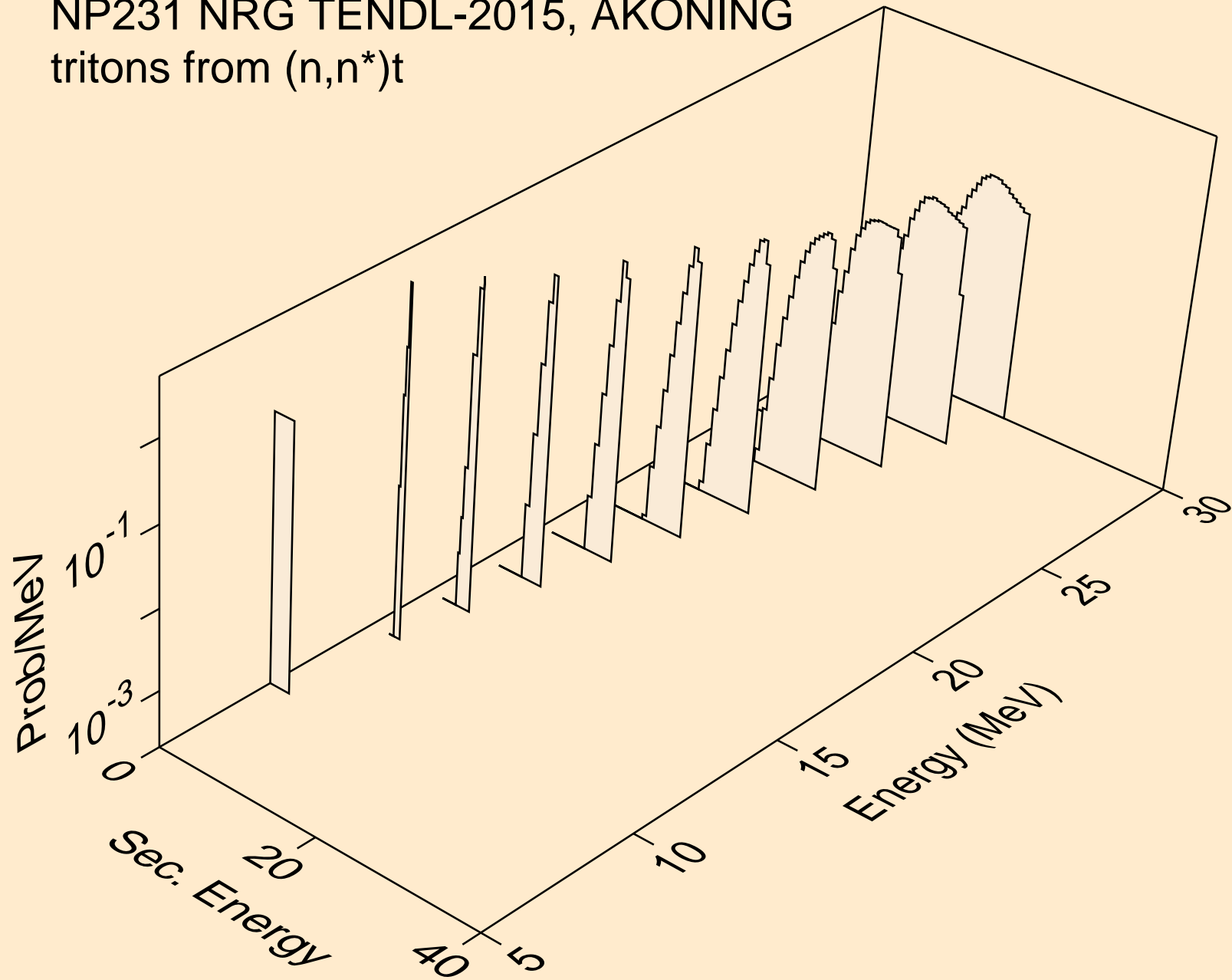




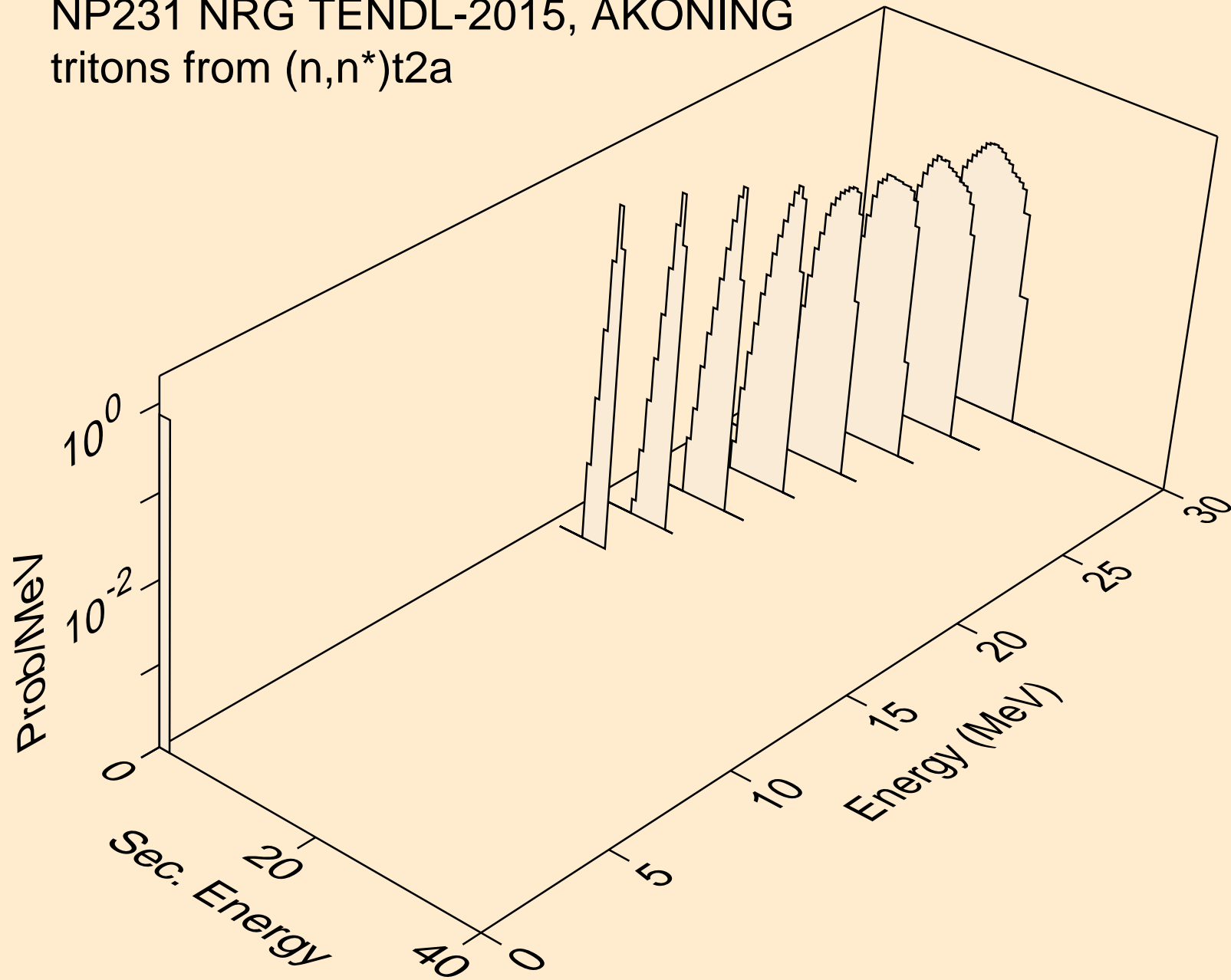
NP231 NRG TENDL-2015, AKONING  
tritons from (n,x)



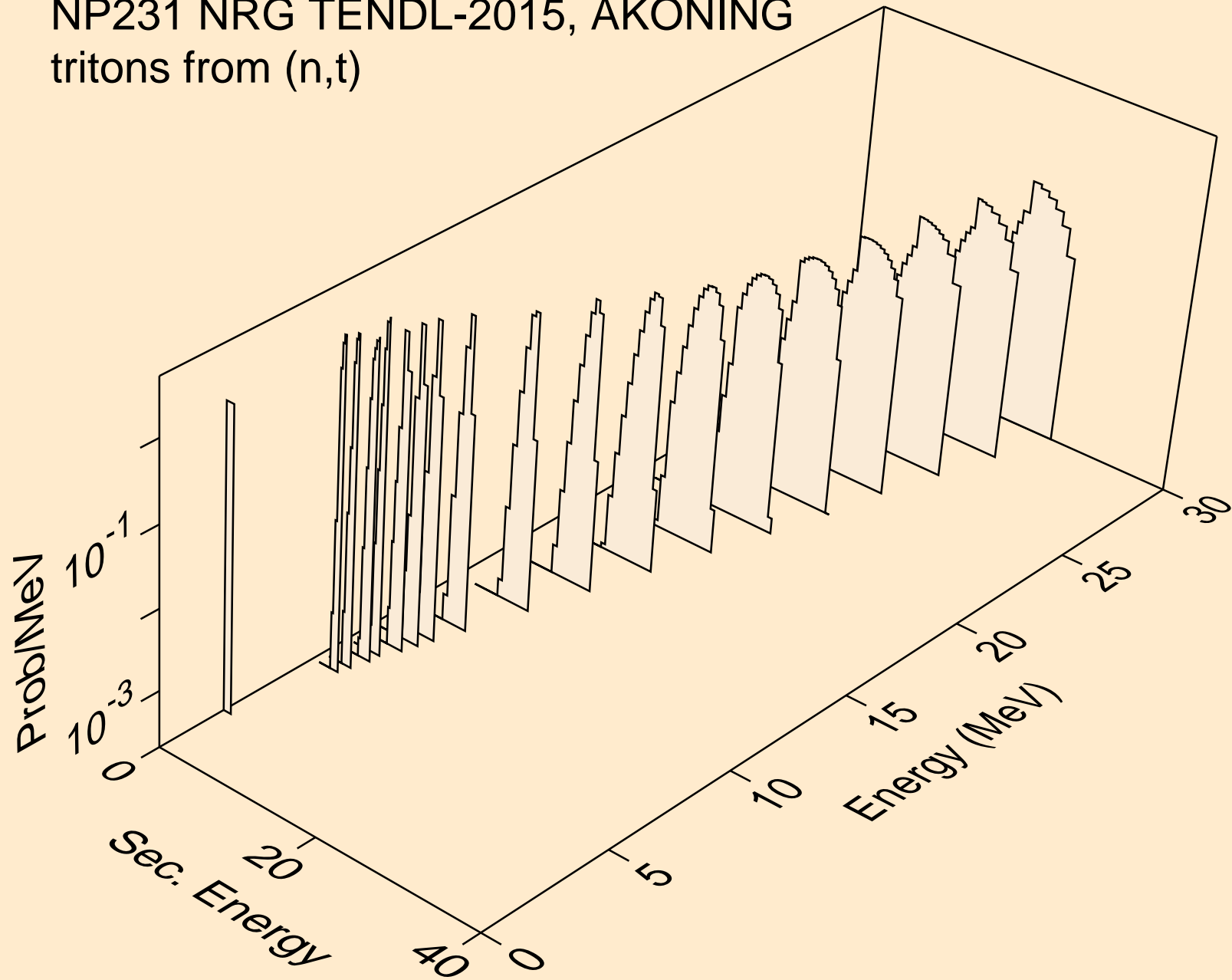
NP231 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



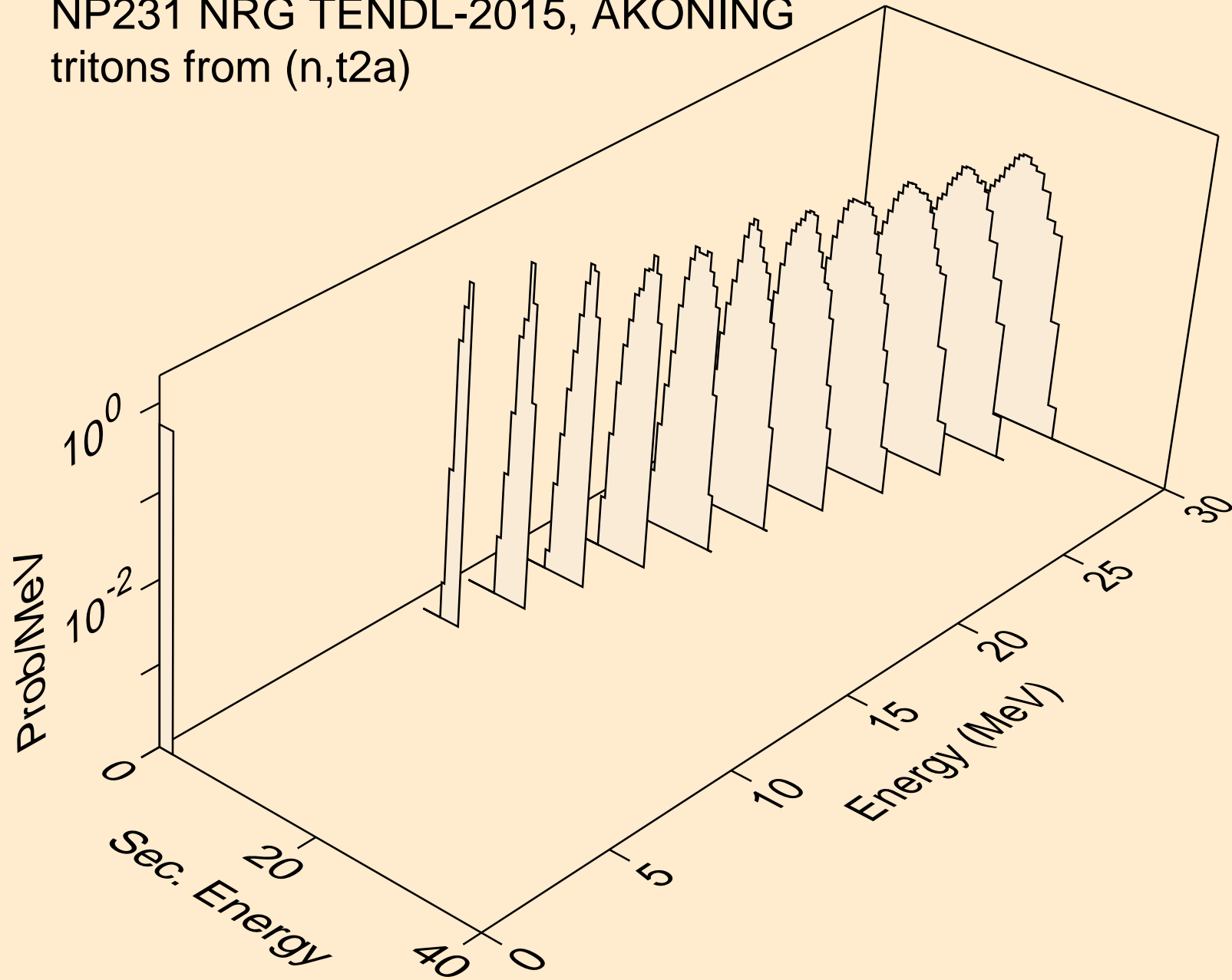
NP231 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t2a



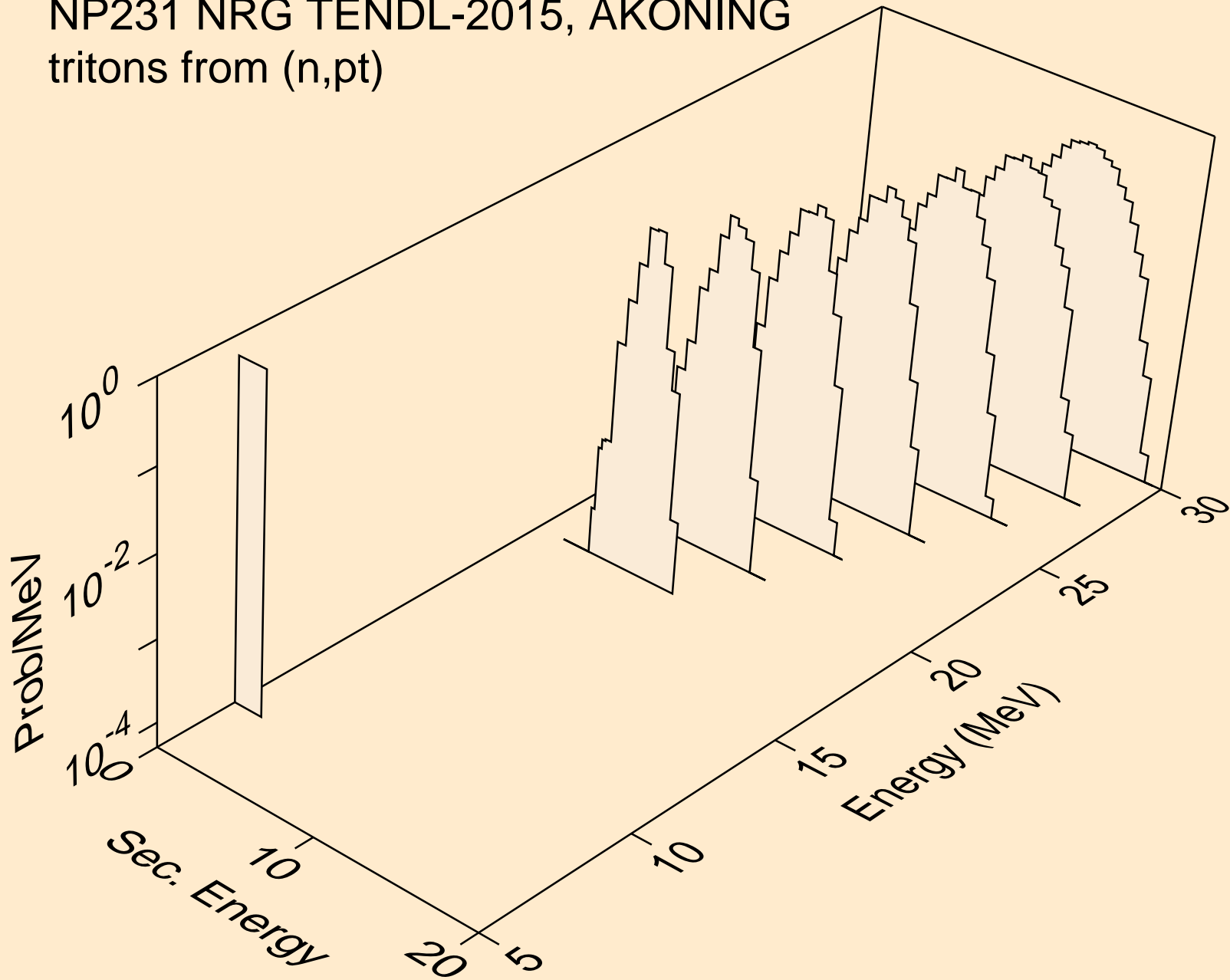
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tritons from (n,t)



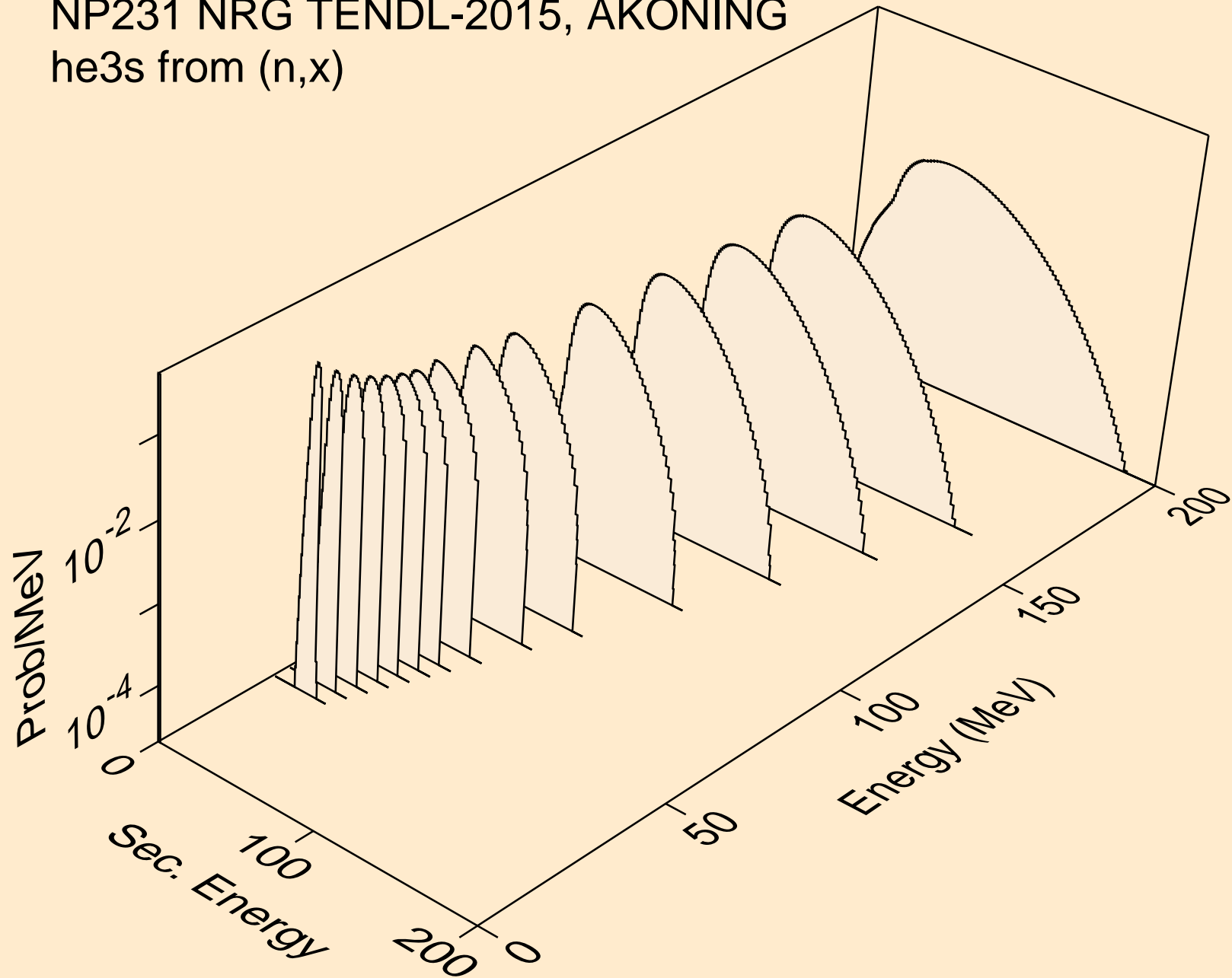
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tritons from (n,t2a)



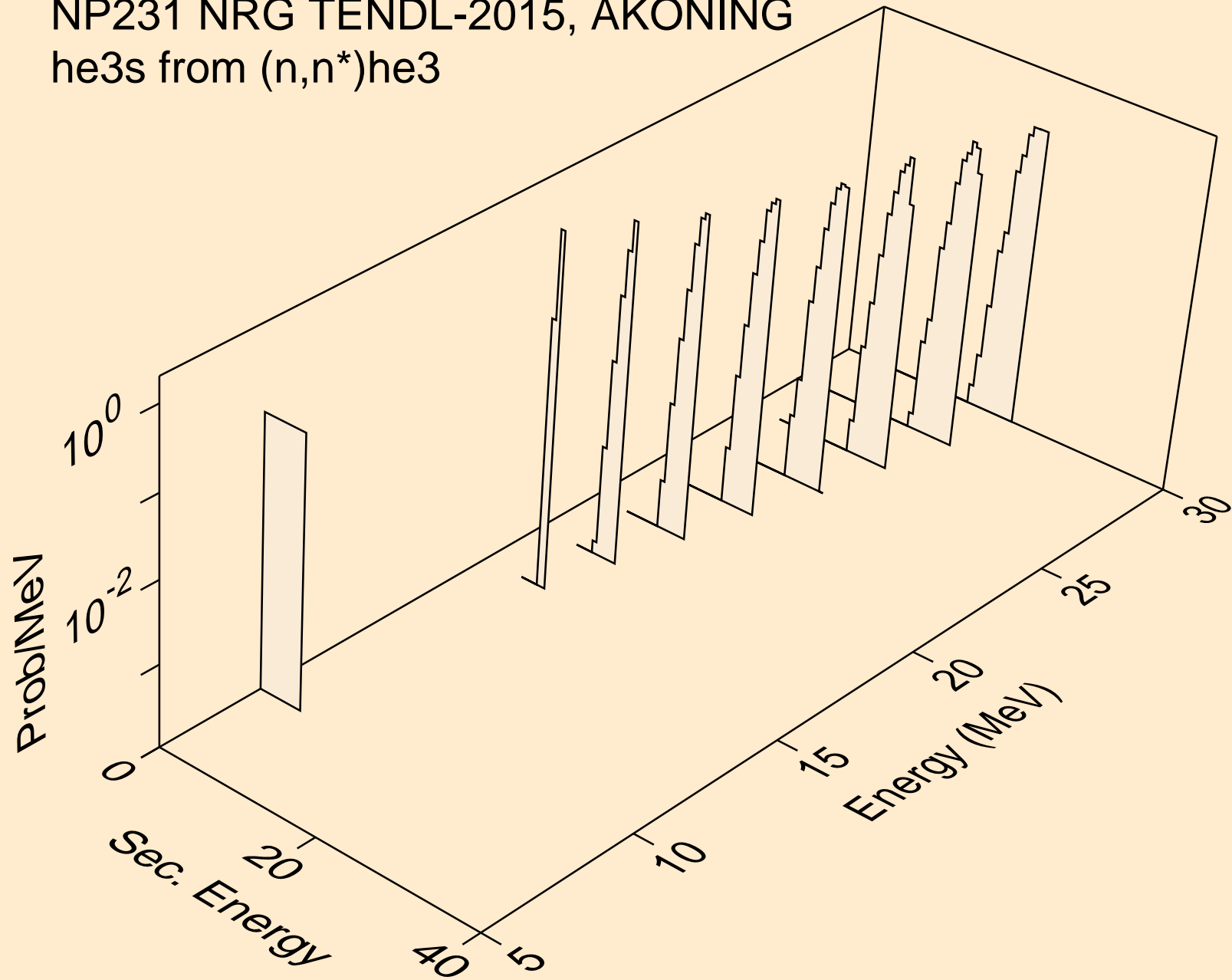
NP231 NRG TENDL-2015, AKONING  
tritons from (n,pt)



NP231 NRG TENDL-2015, AKONING  
he3s from (n,x)

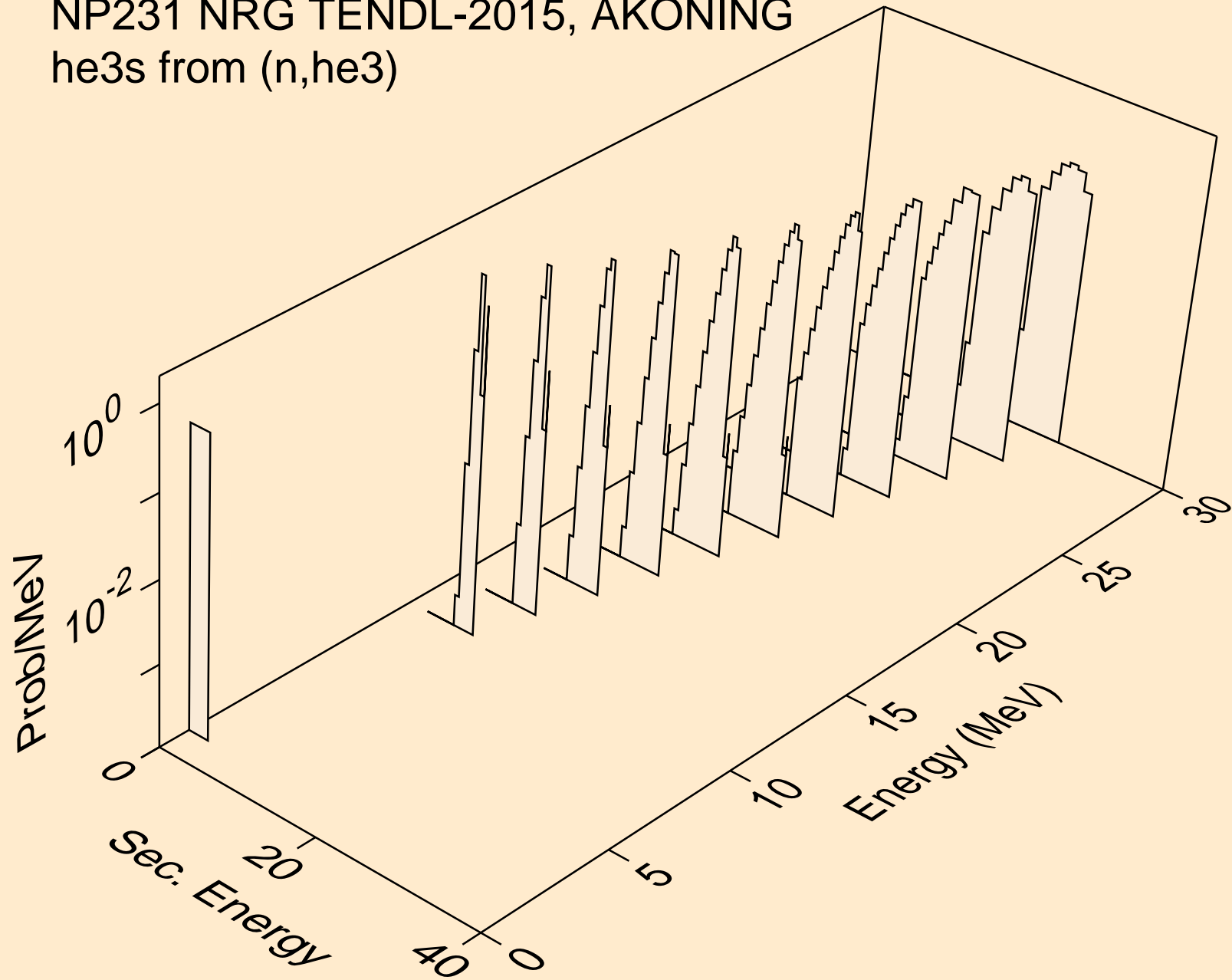


NP231 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3

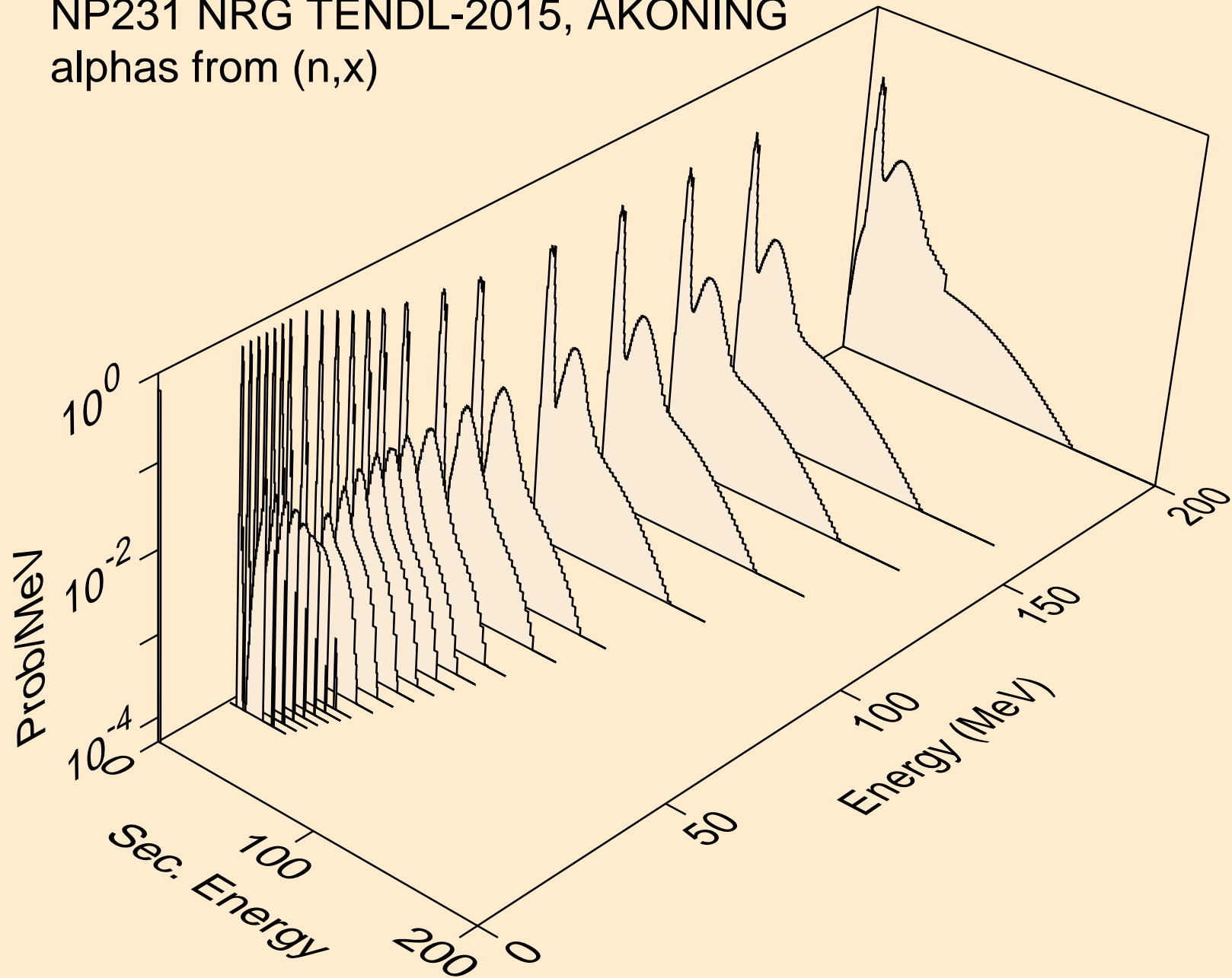




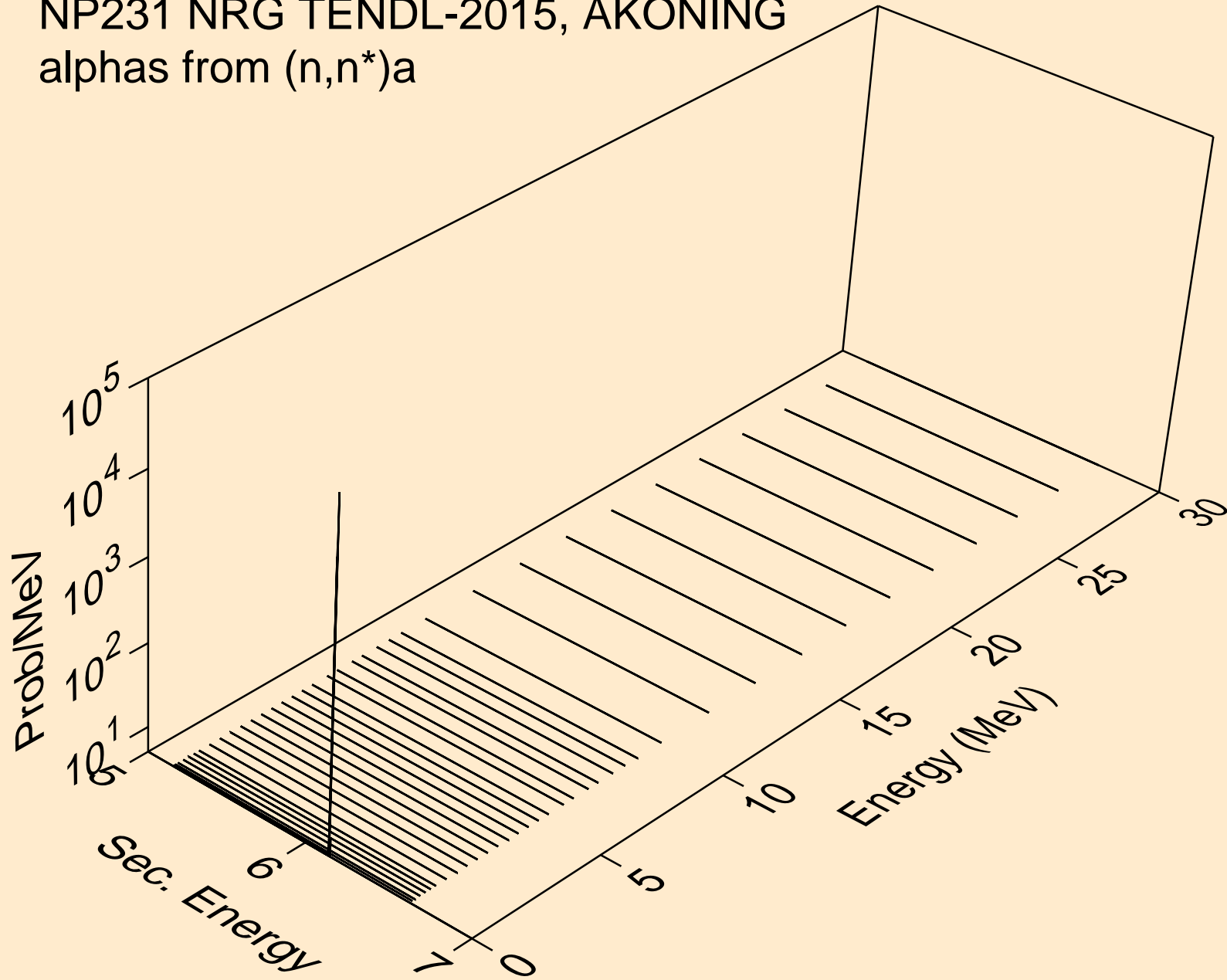
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he3s from (n,he3)



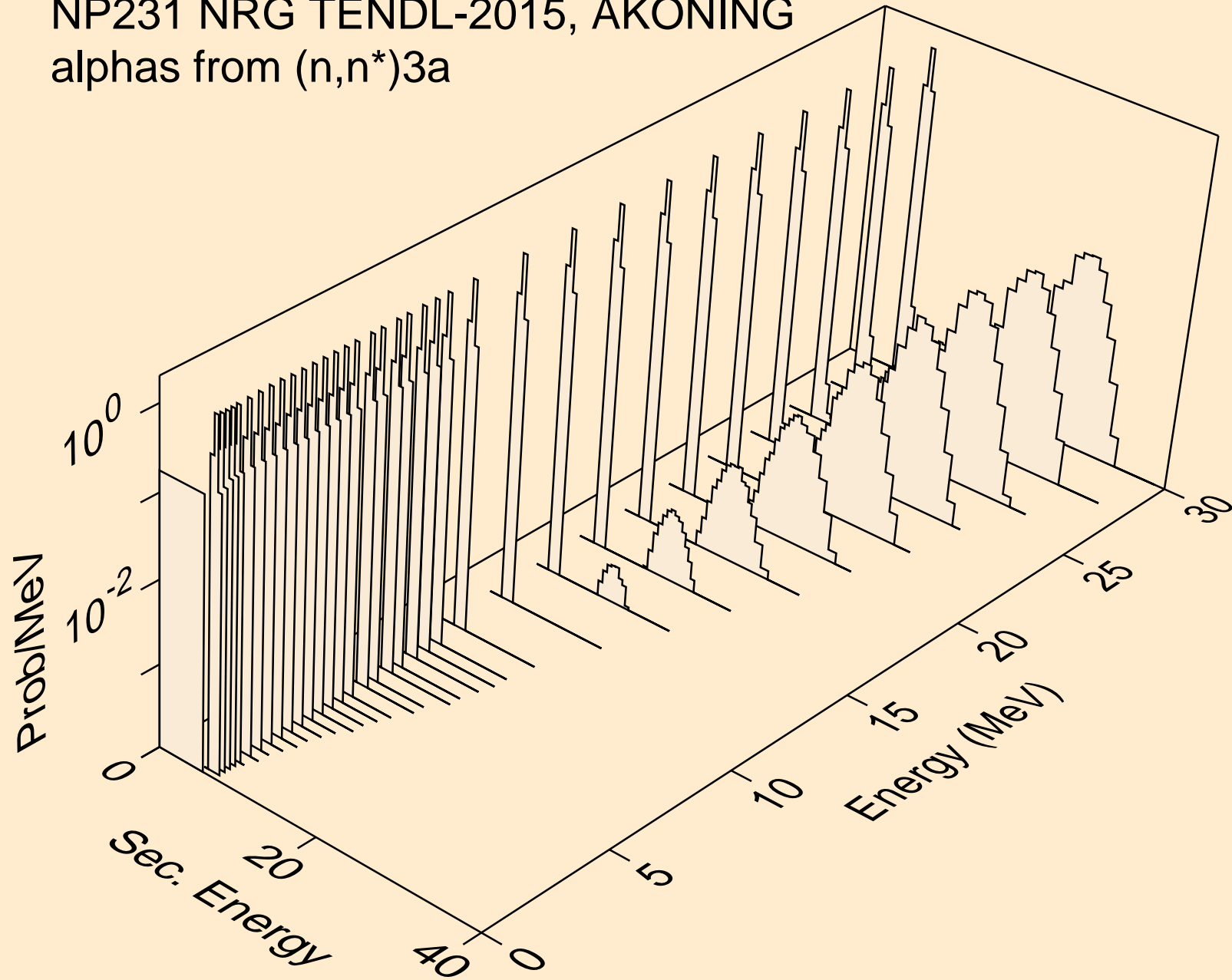
NP231 NRG TENDL-2015, AKONING  
alphas from (n,x)



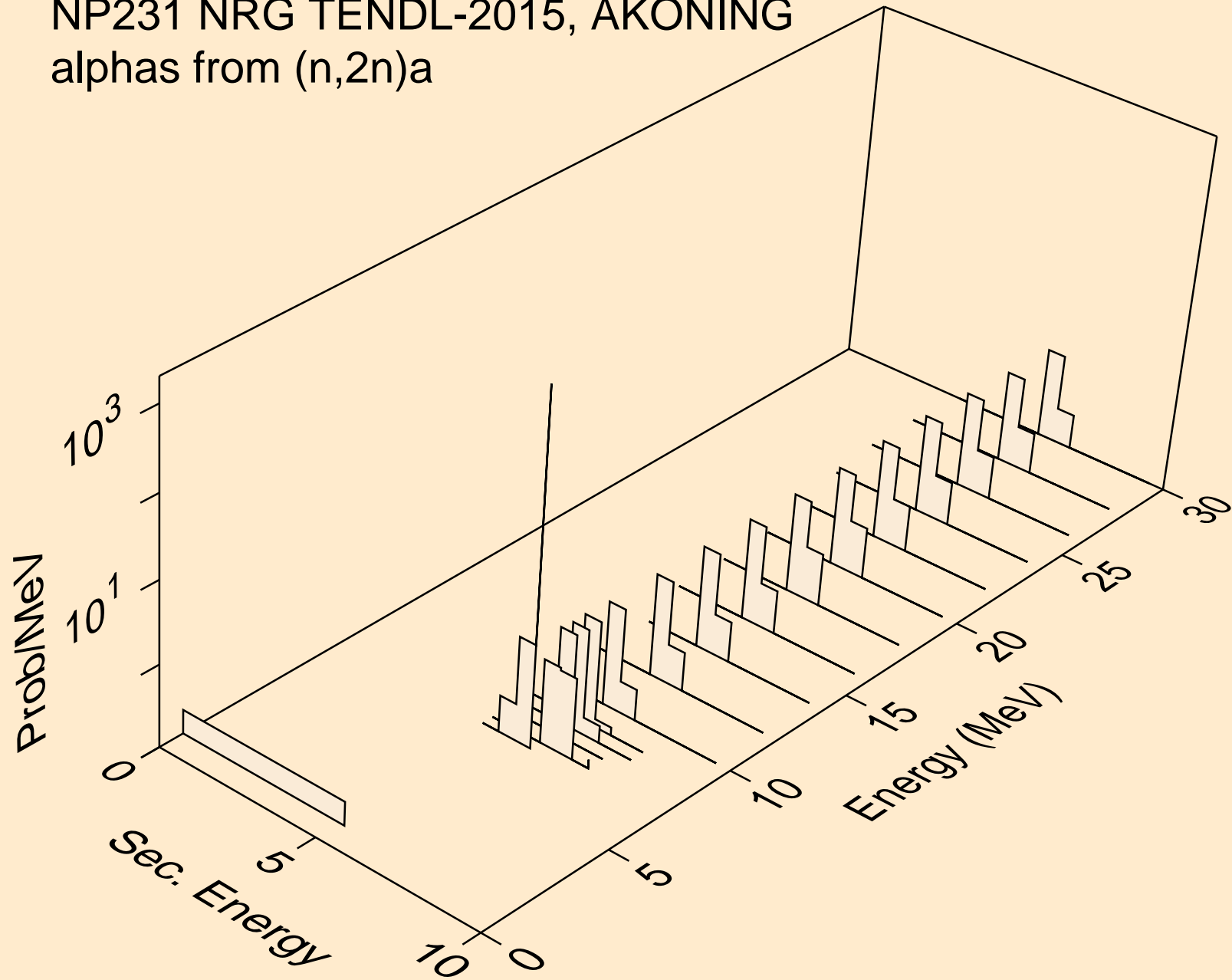
NP231 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



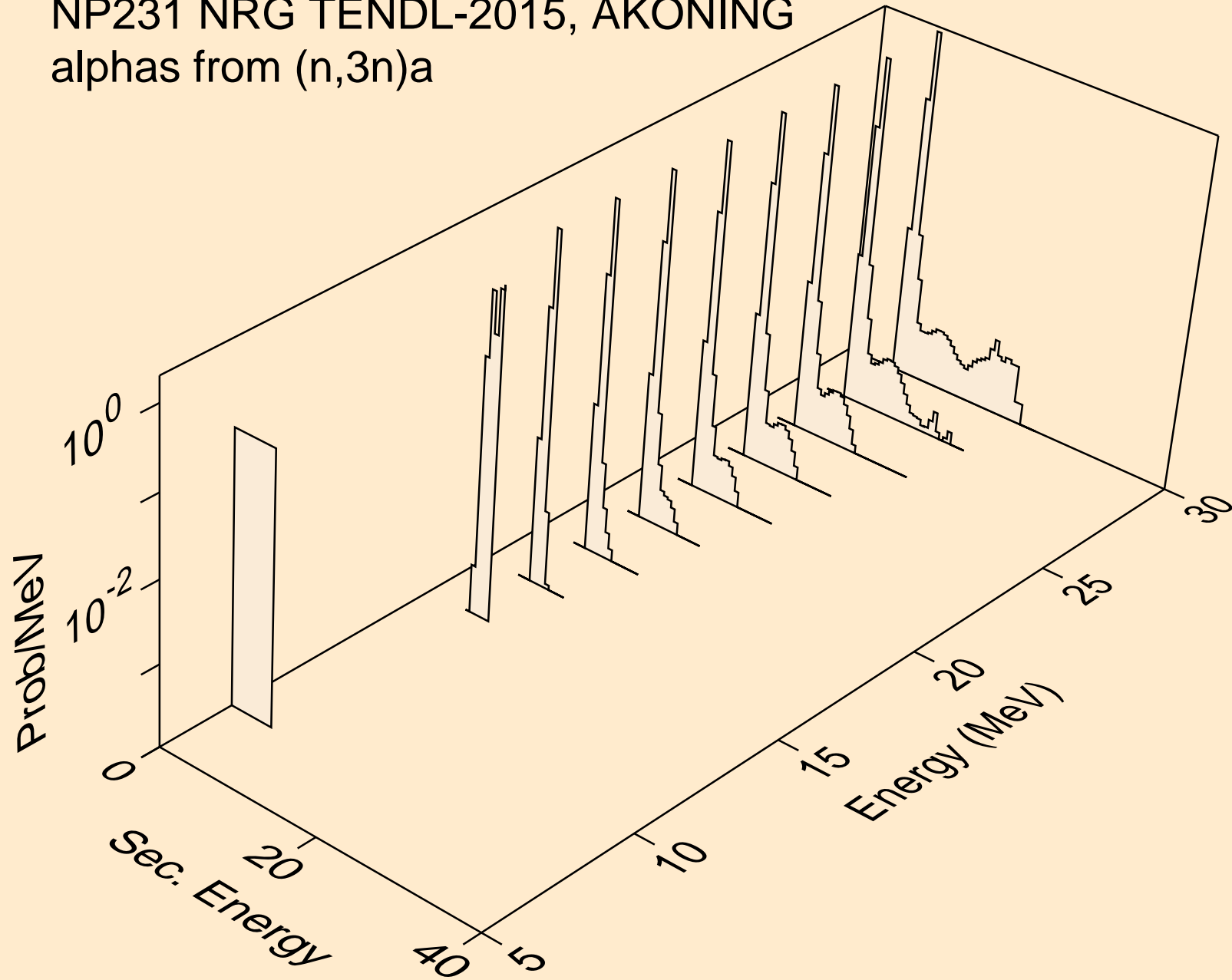
NP231 NRG TENDL-2015, AKONING  
alphas from (n,n\*)3a



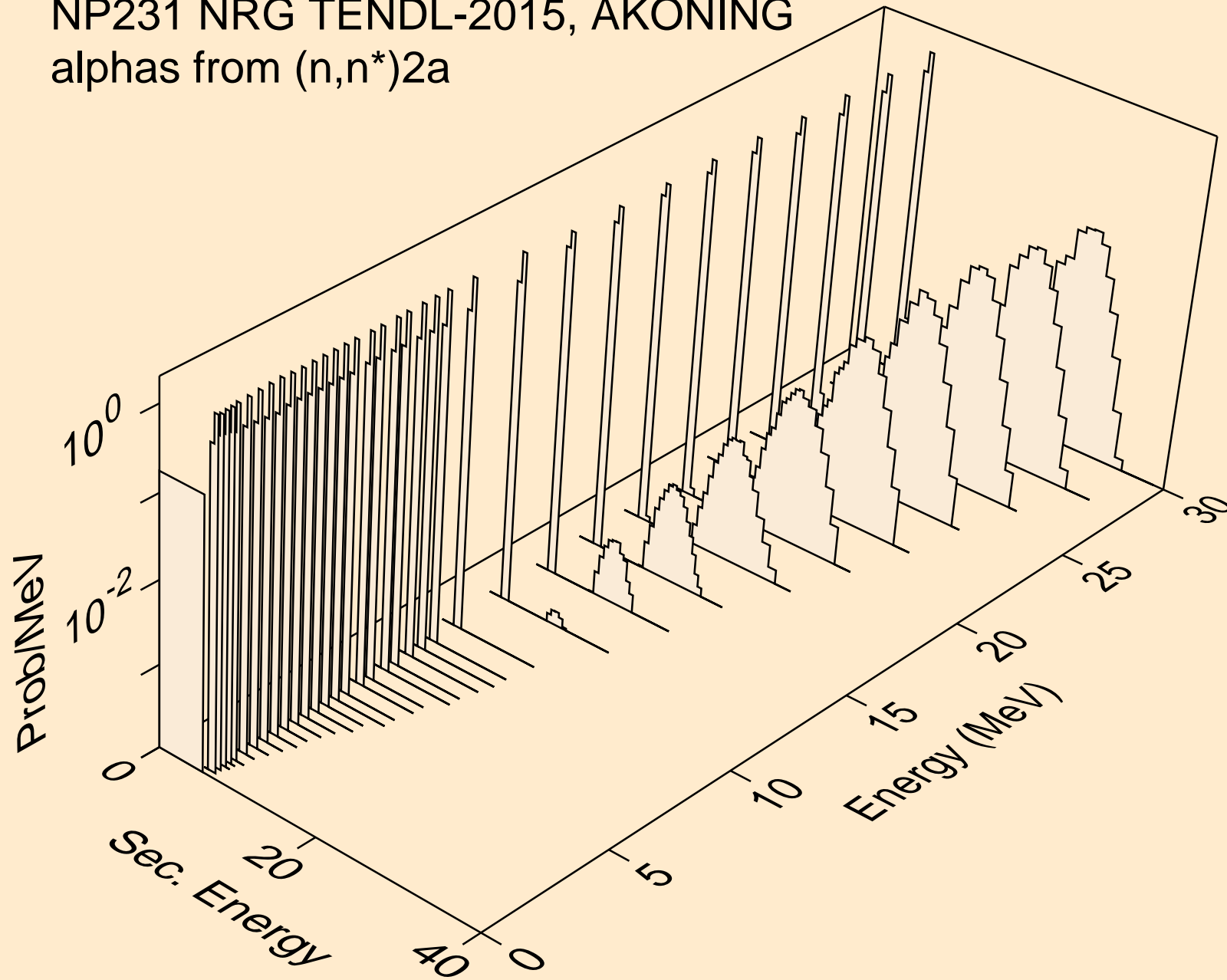
NP231 NRG TENDL-2015, AKONING  
alphas from (n,2n)a



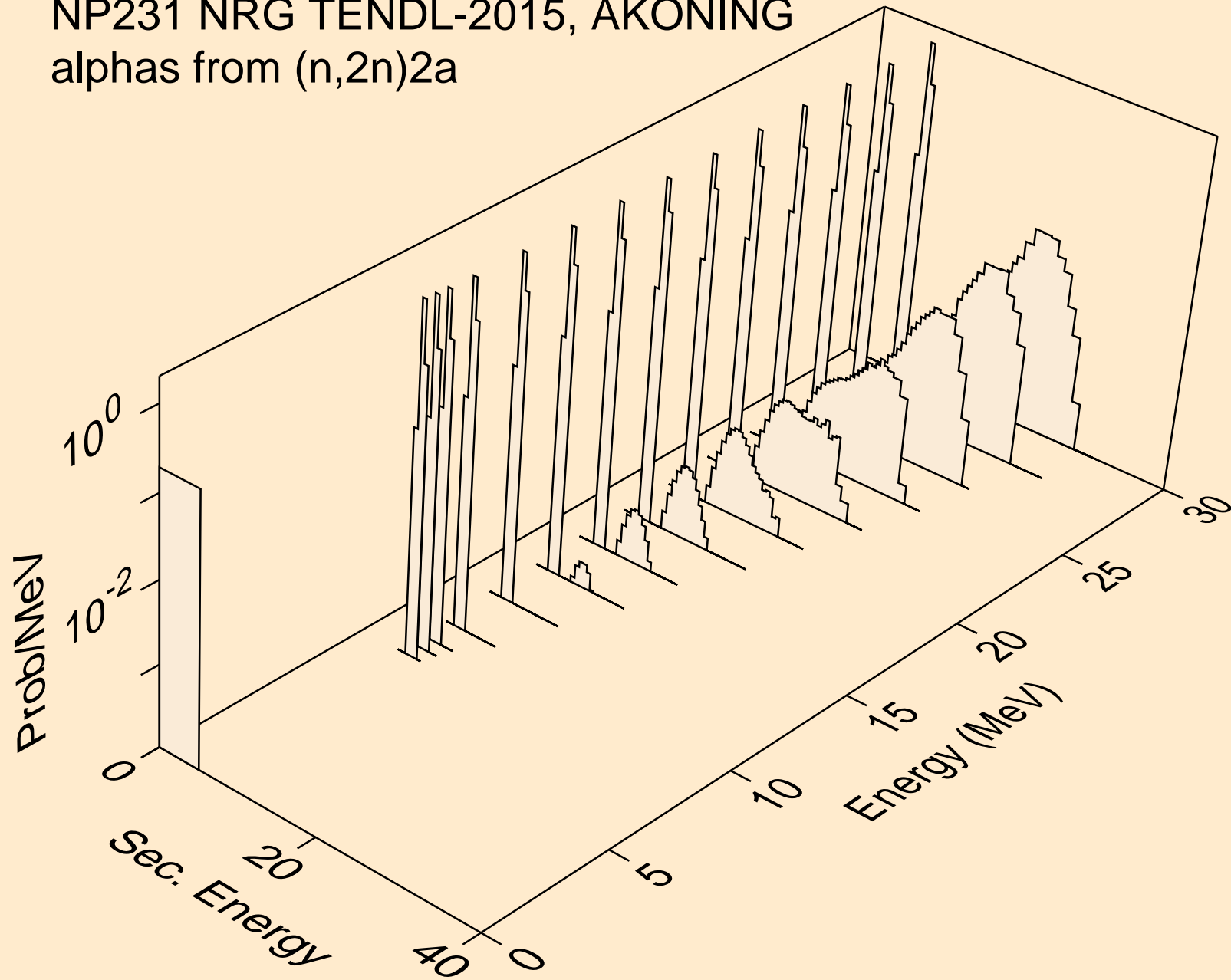
NP231 NRG TENDL-2015, AKONING  
alphas from (n,3n)a



NP231 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a

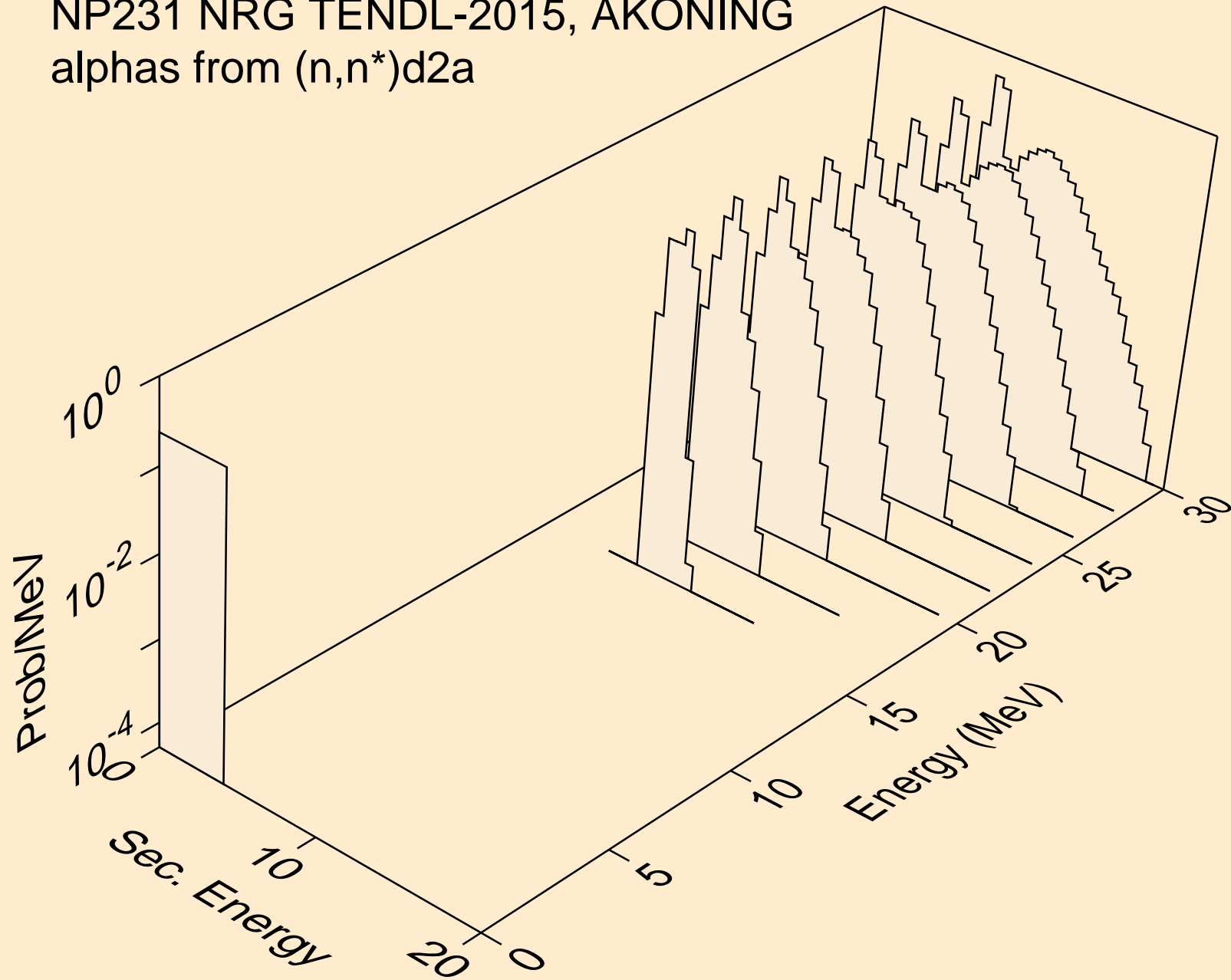


NP231 NRG TENDL-2015, AKONING  
alphas from (n,2n)2a

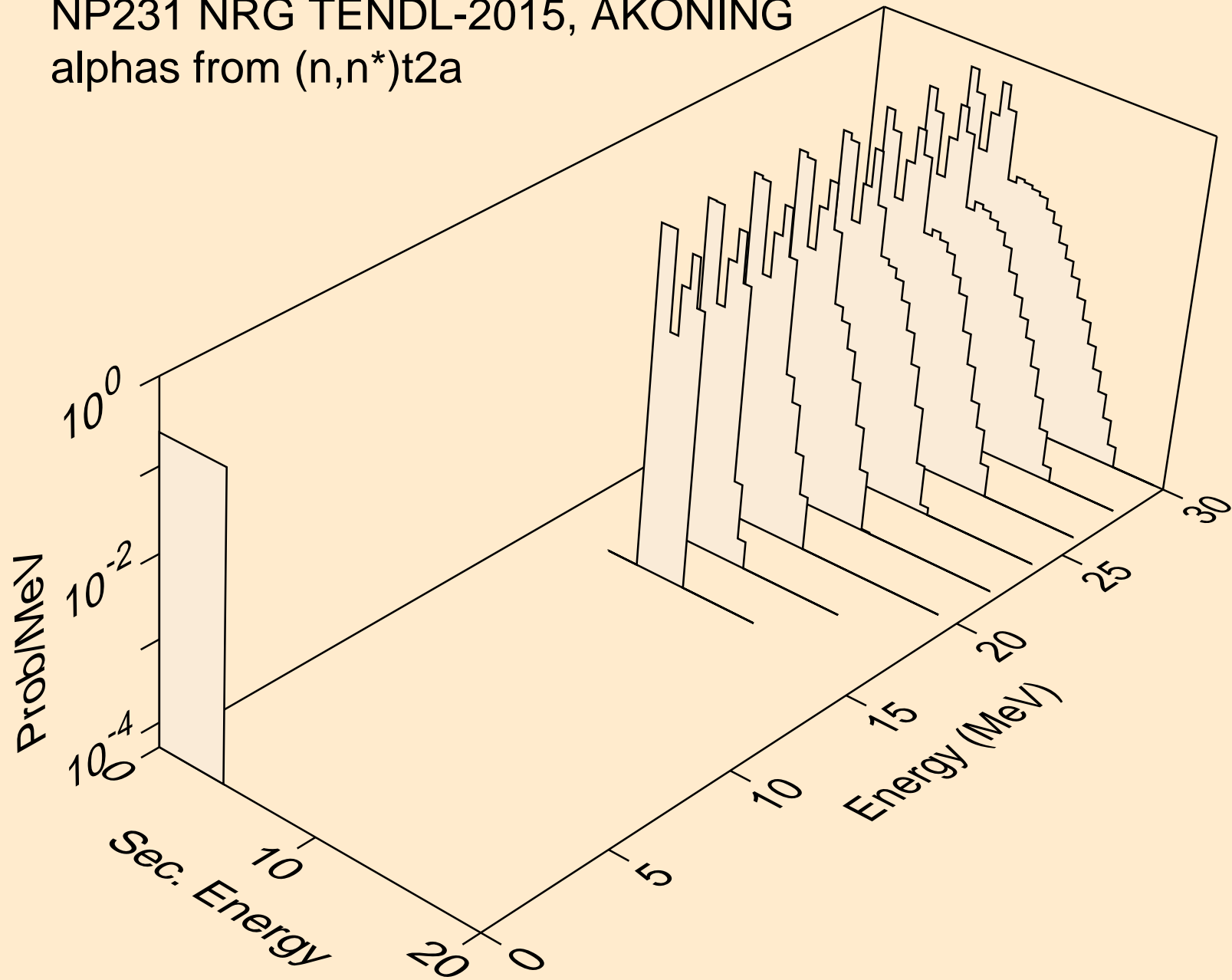




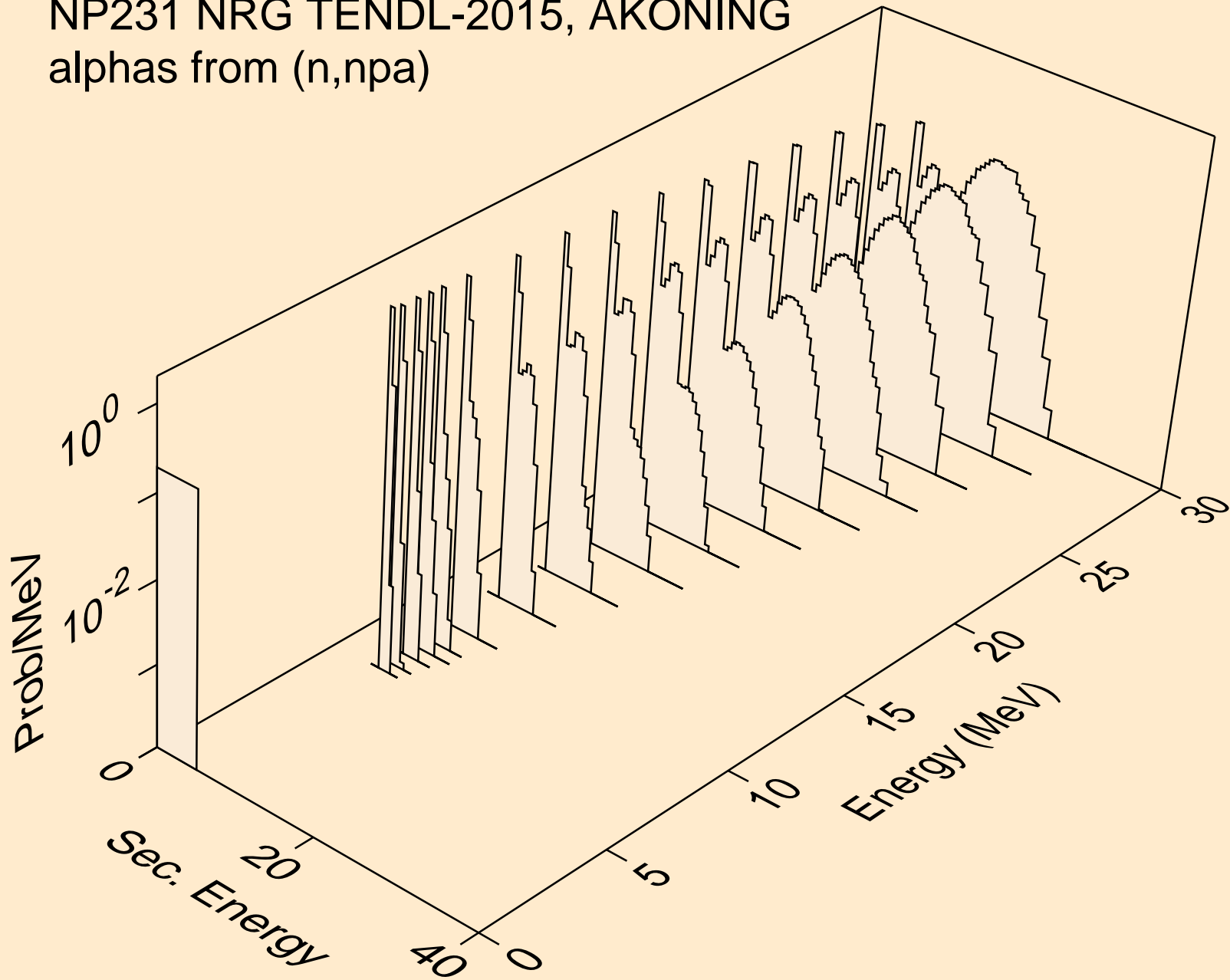
NP231 NRG TENDL-2015, AKONING  
alphas from (n,n\*)d2a



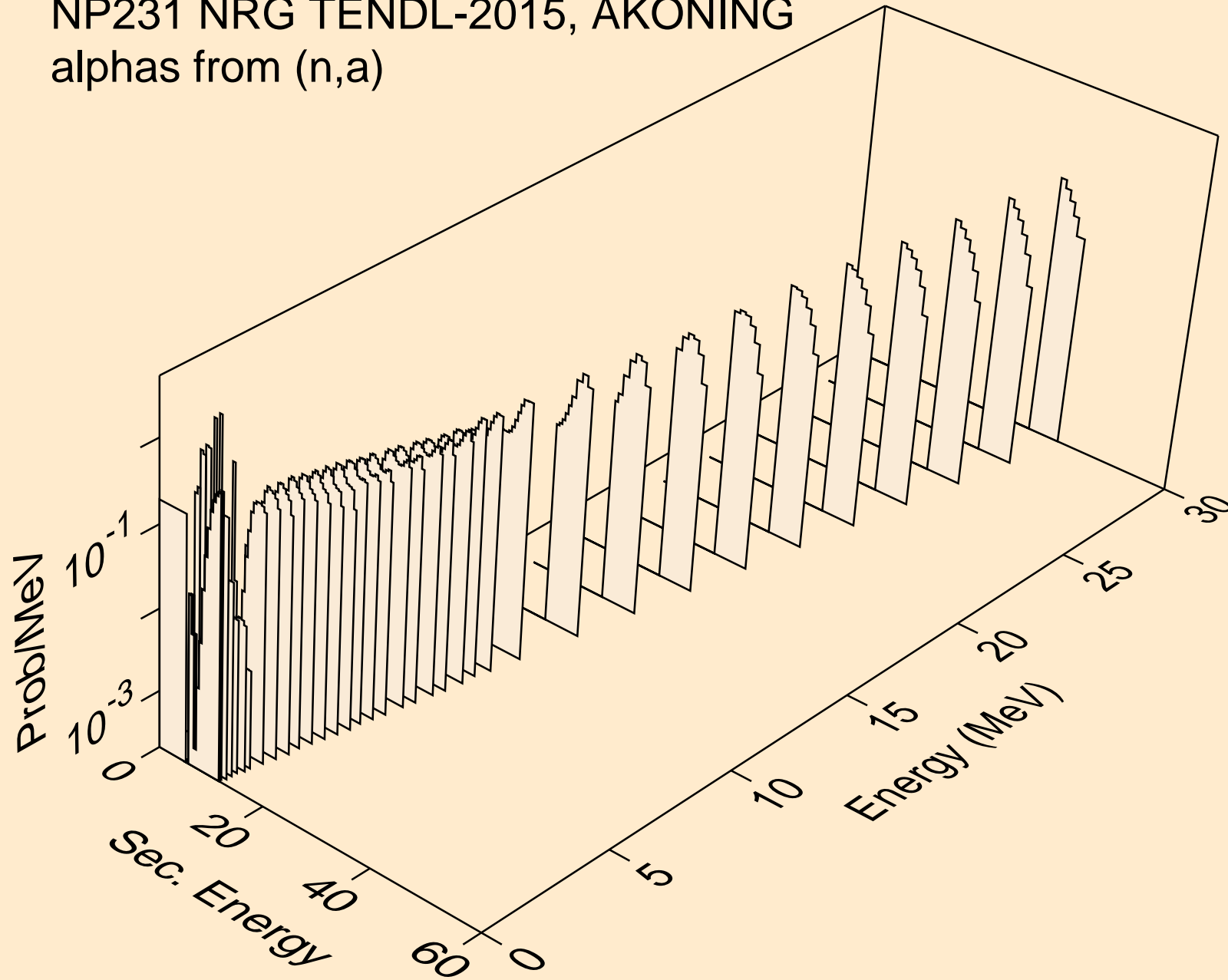
NP231 NRG TENDL-2015, AKONING  
alphas from (n,n\*)t2a



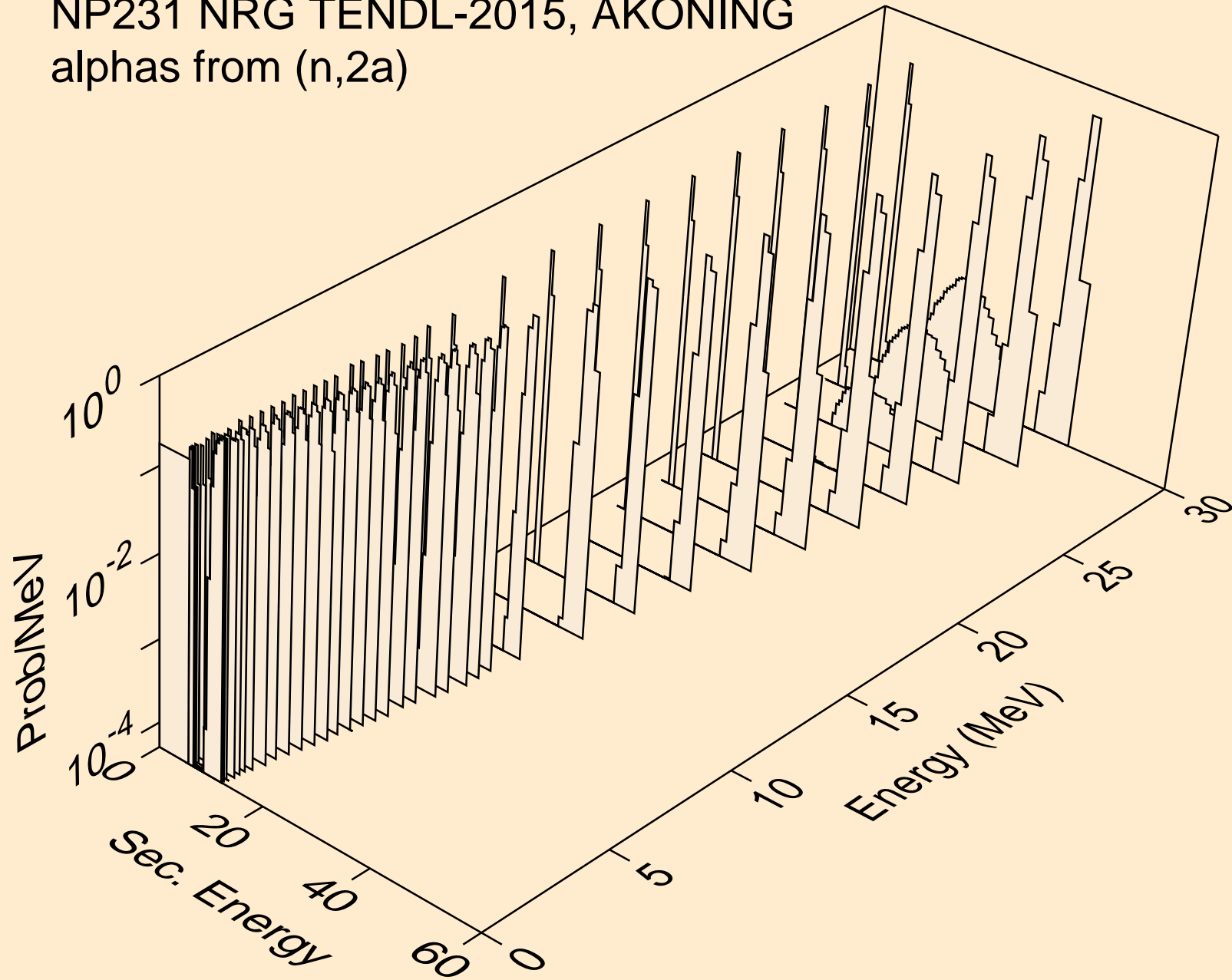
NP231 NRG TENDL-2015, AKONING  
alphas from (n,npa)



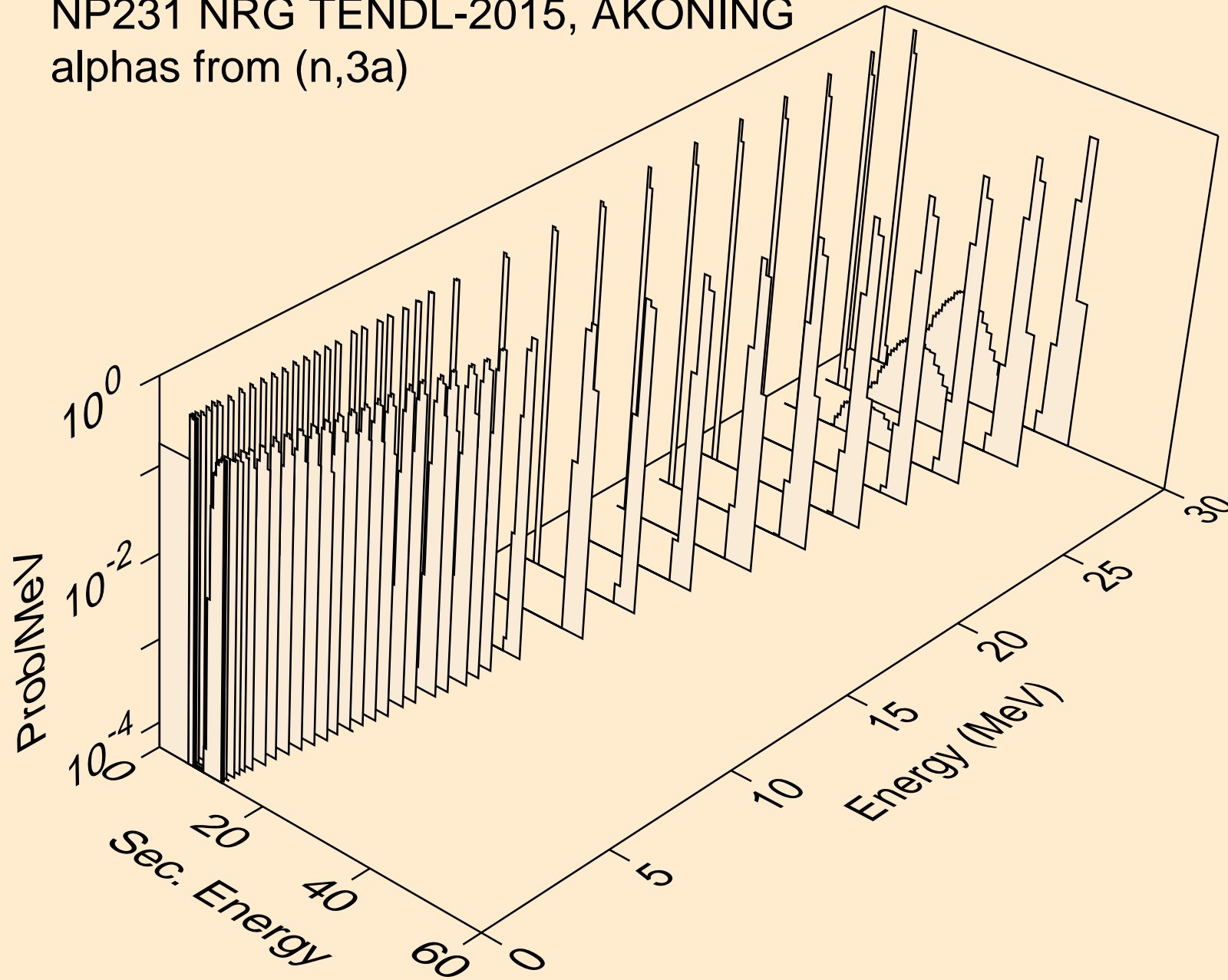
NP231 NRG TENDL-2015, AKONING  
alphas from (n,a)



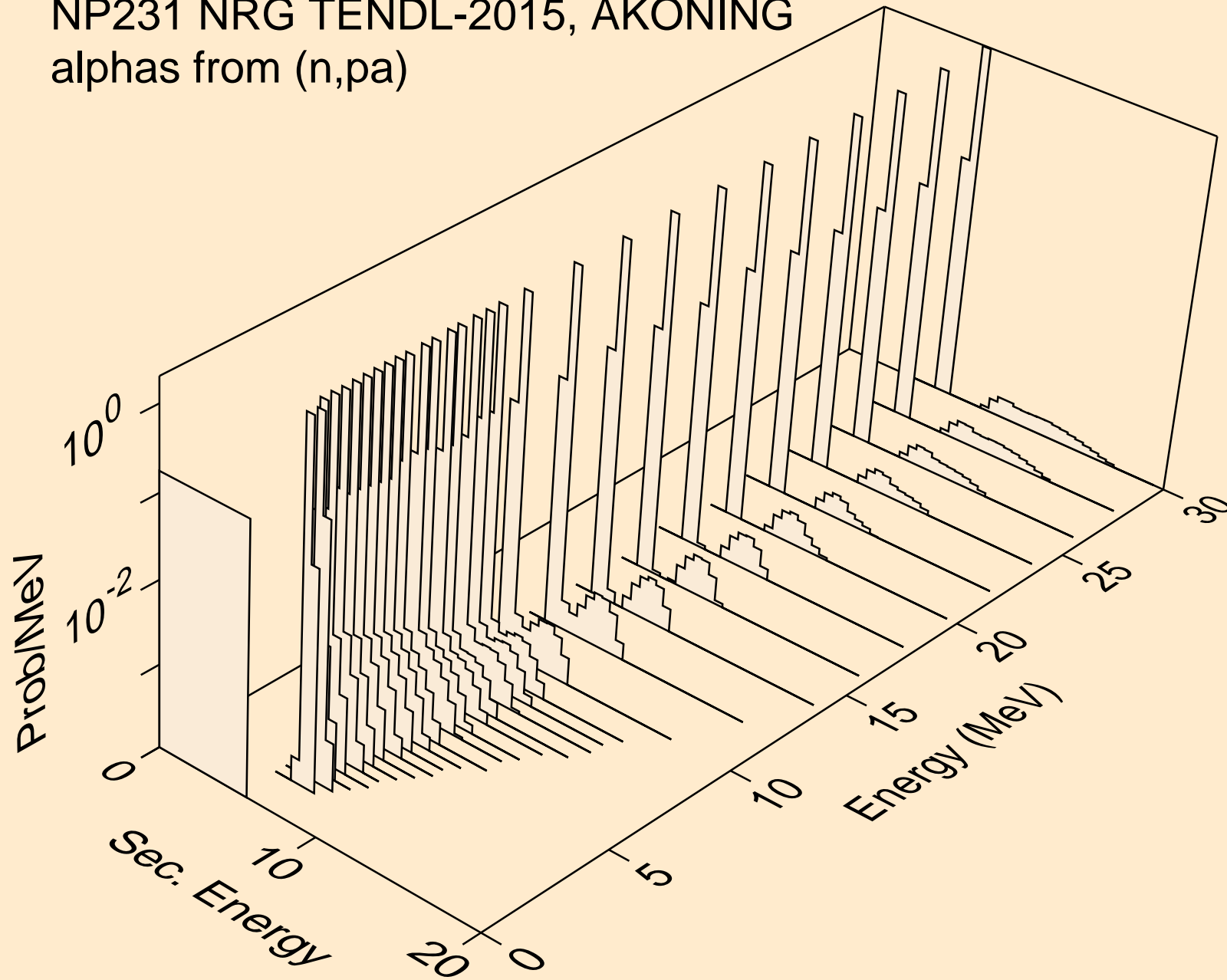
NP231 NRG TENDL-2015, AKONING  
alphas from (n,2a)



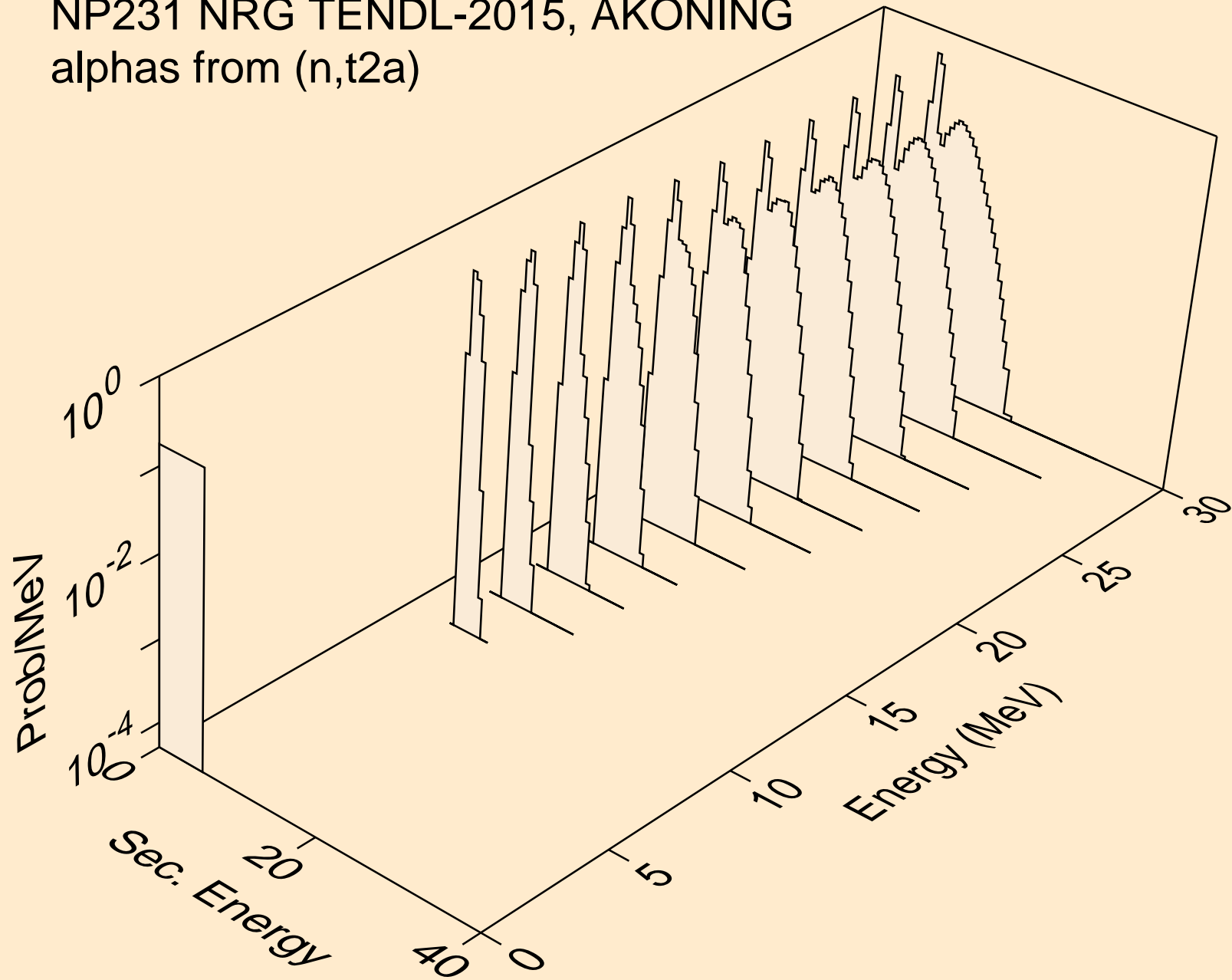
NP231 NRG TENDL-2015, AKONING  
alphas from (n,3a)



NP231 NRG TENDL-2015, AKONING  
alphas from (n,pa)

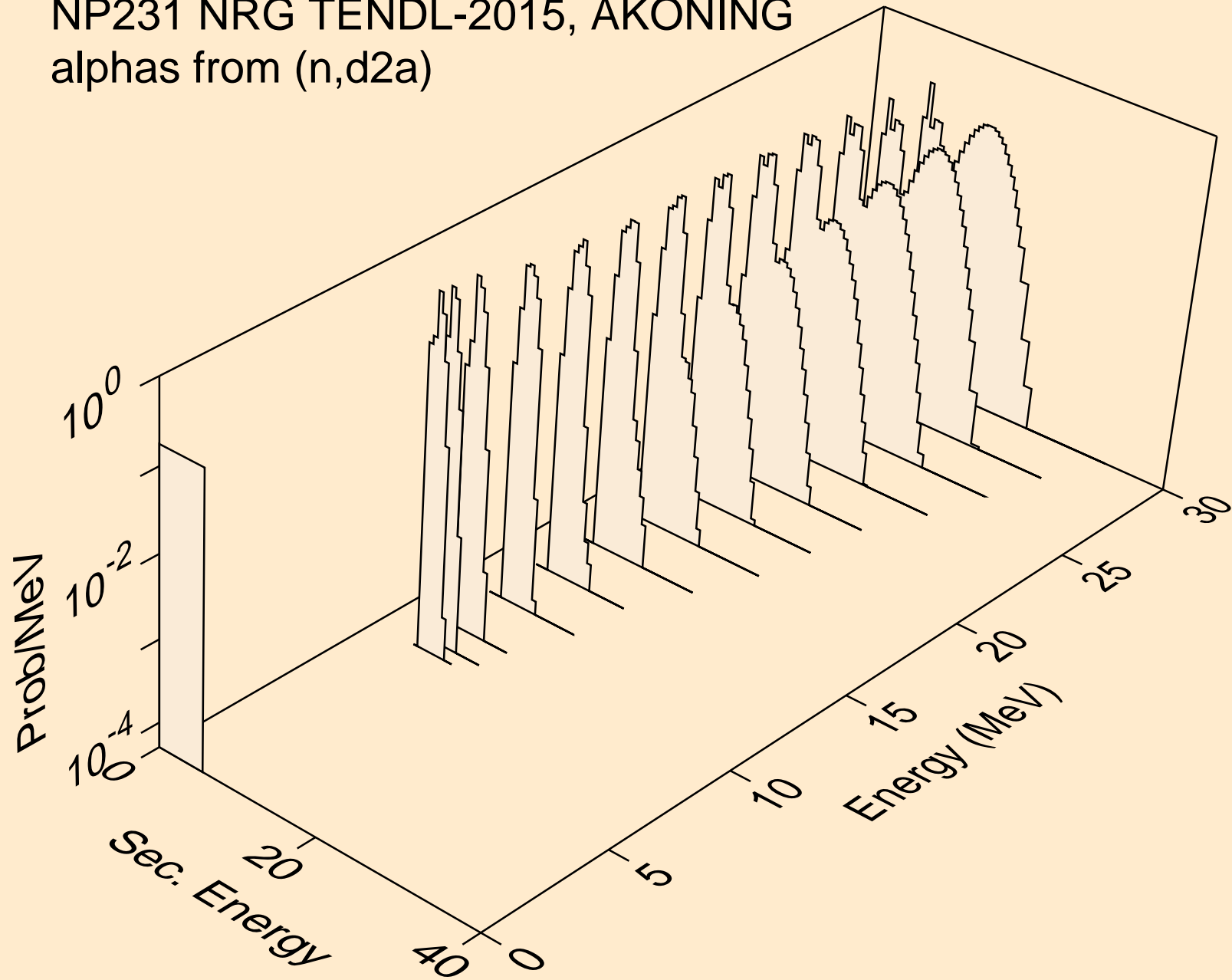


NP231 NRG TENDL-2015, AKONING  
alphas from (n,t2a)





NP231 NRG TENDL-2015, AKONING  
alphas from (n,d2a)



NP231 NRG TENDL-2015, AKONING  
alphas from (n,da)

