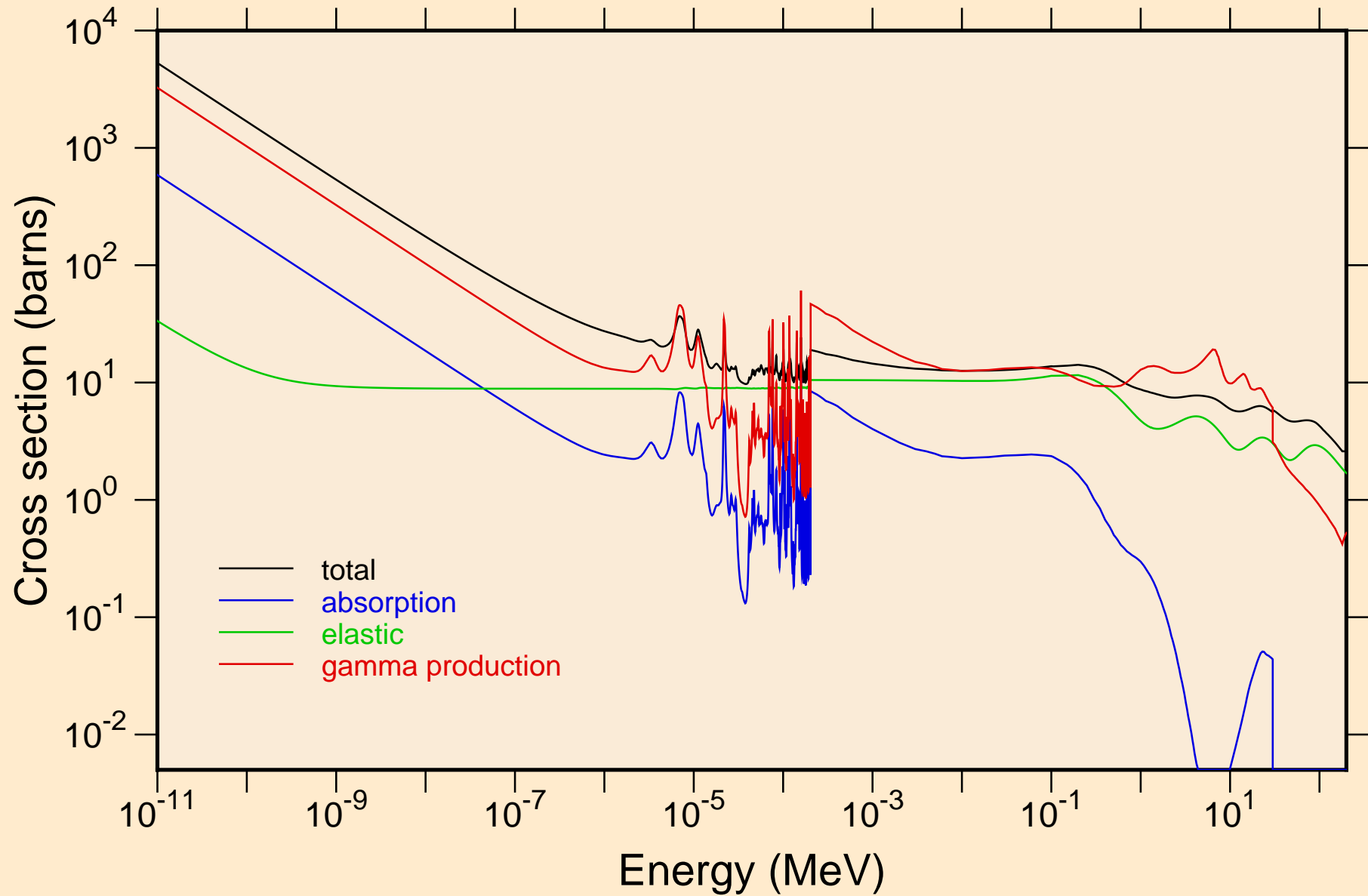
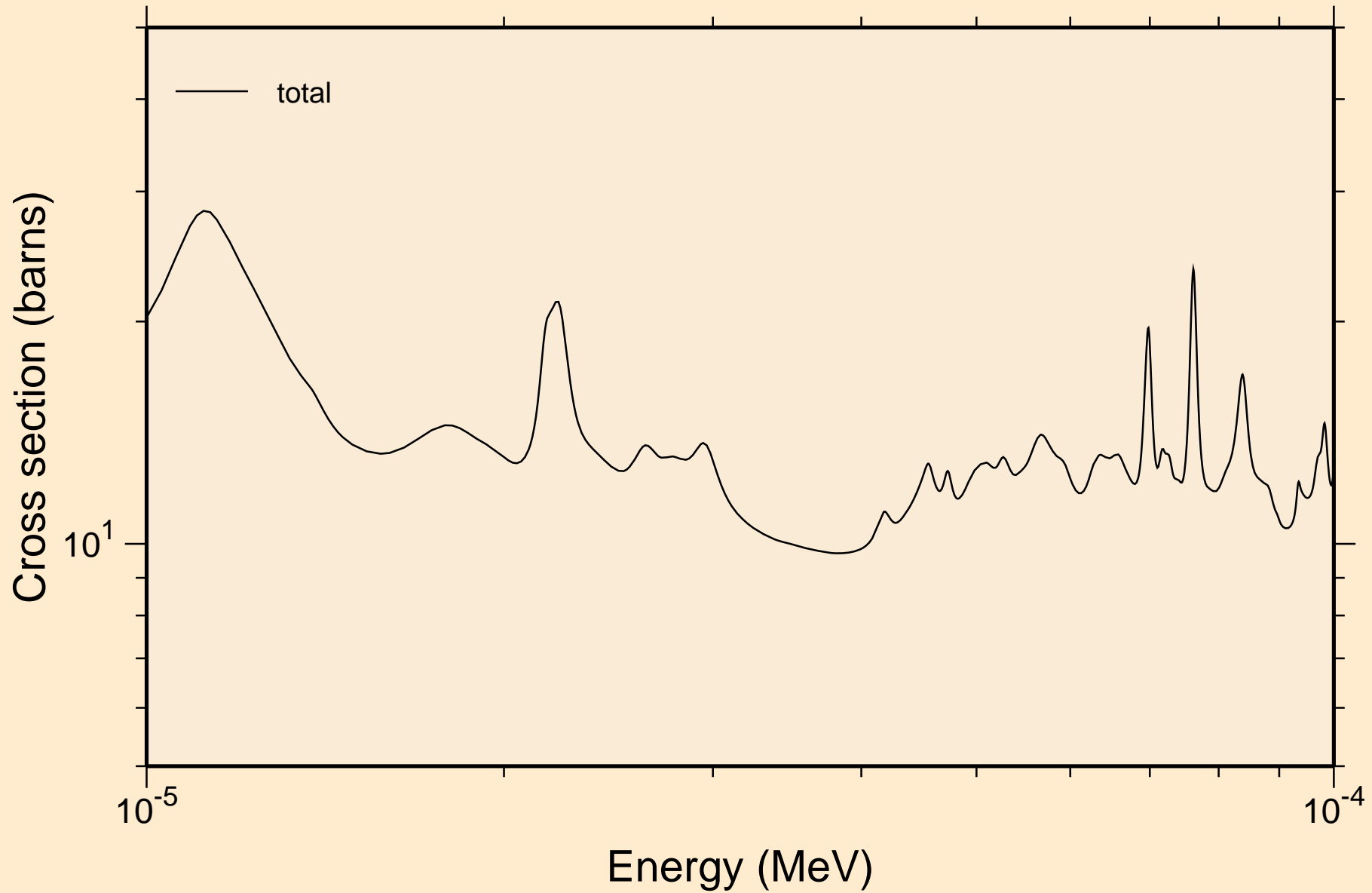


# ES248 NRG TENDL-2015, AKONING

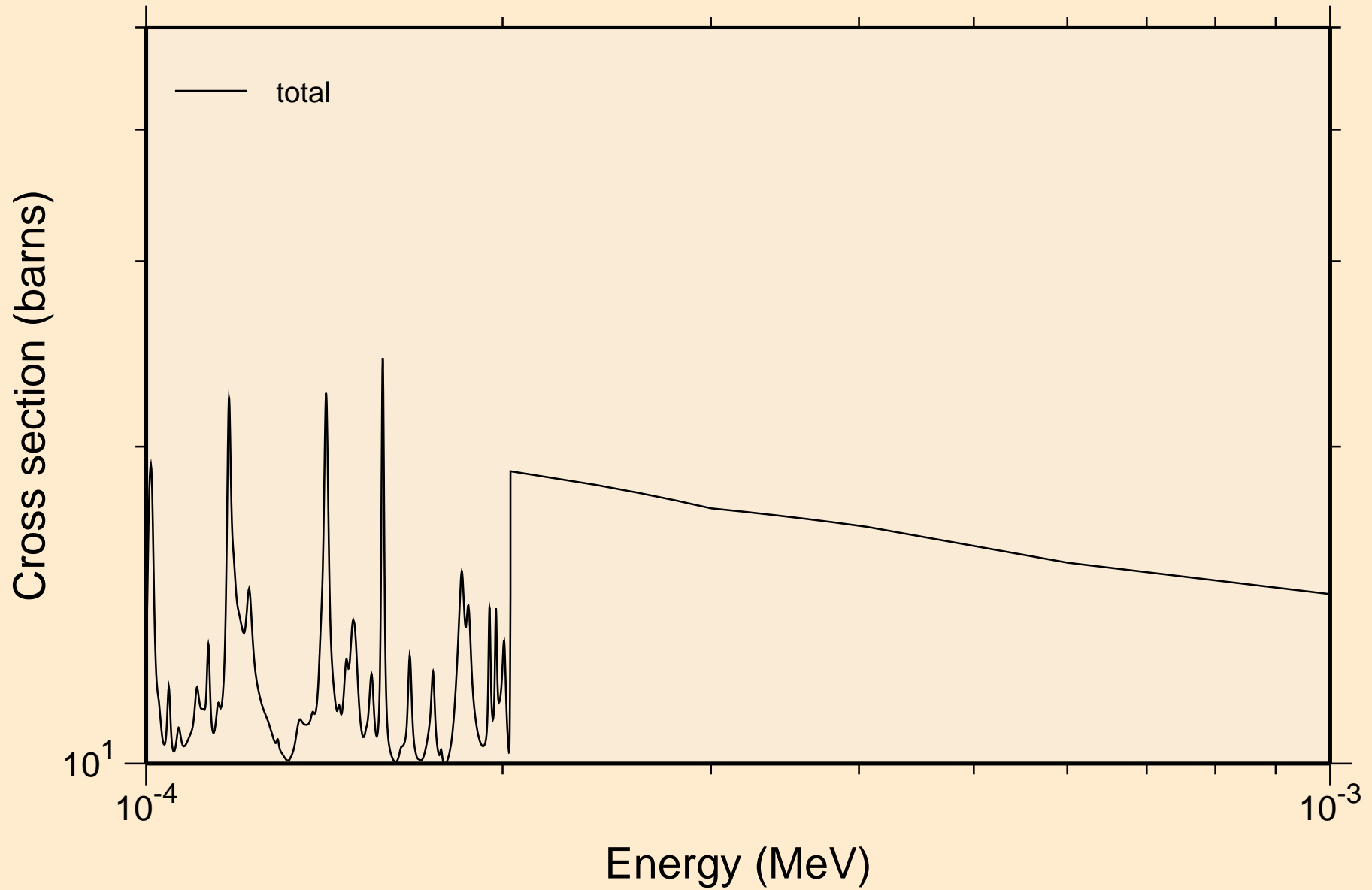
## Principal cross sections



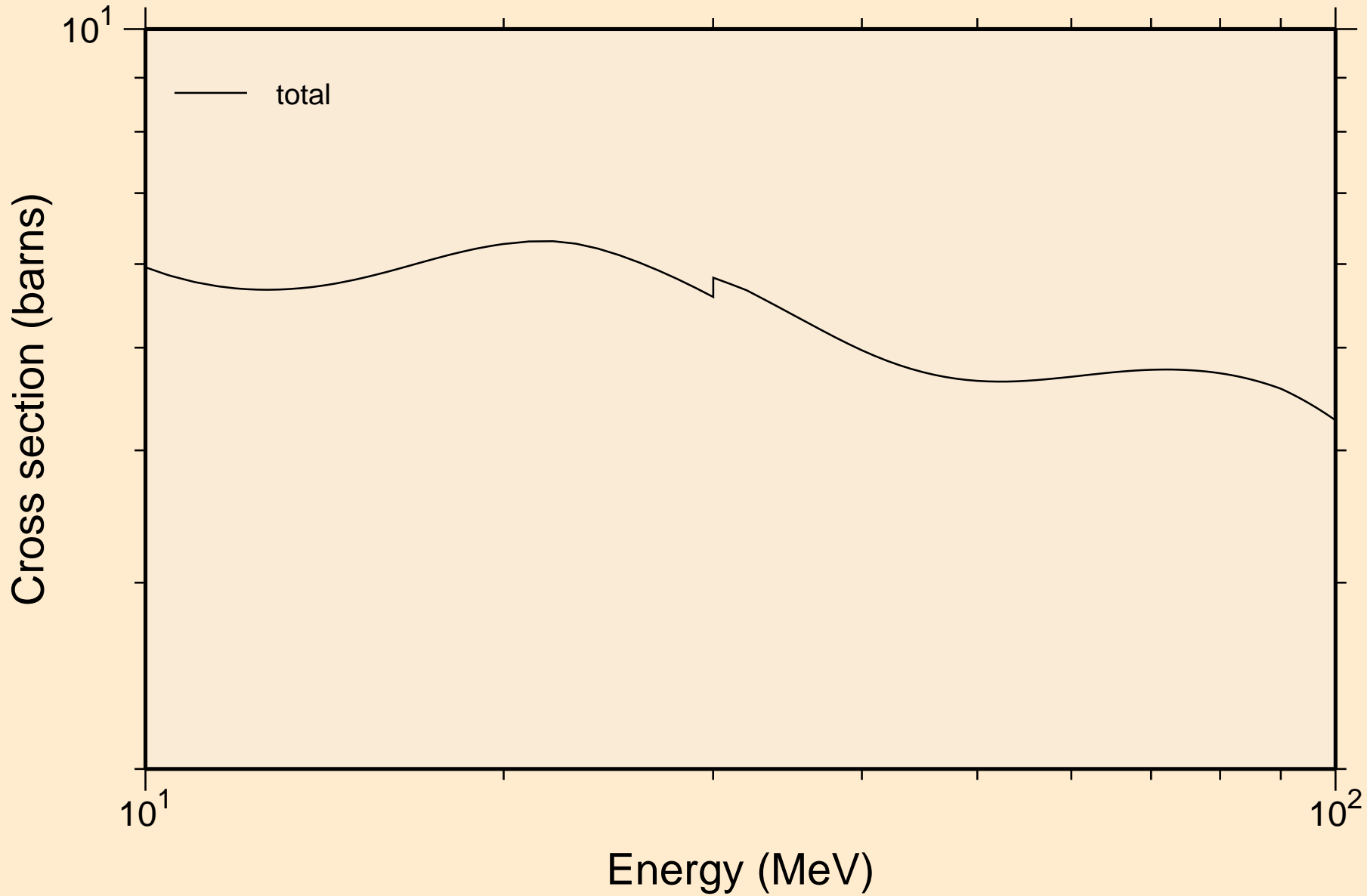
ES248 NRG TENDL-2015, AKONING  
resonance total cross section



ES248 NRG TENDL-2015, AKONING  
resonance total cross section

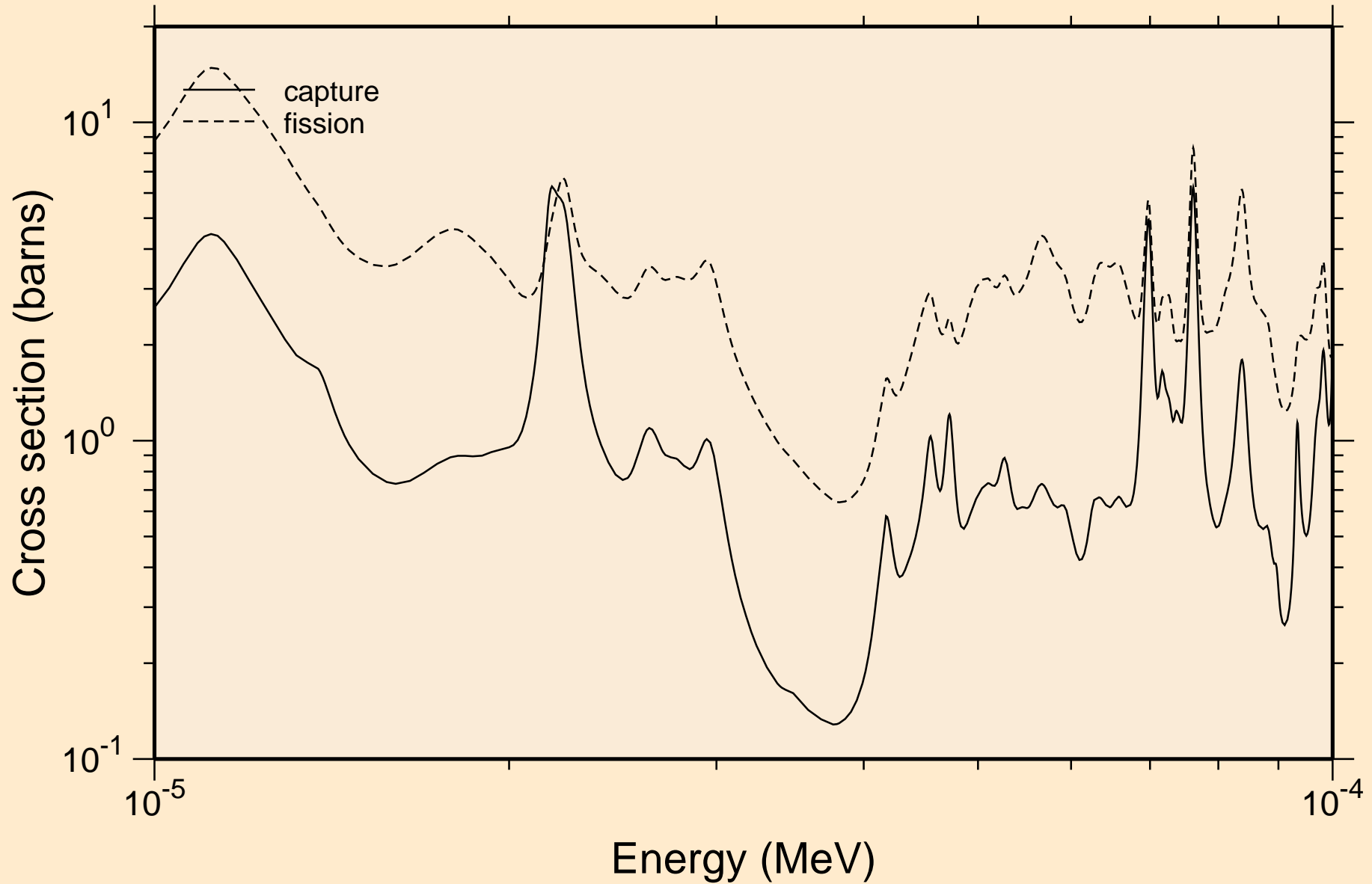


ES248 NRG TENDL-2015, AKONING  
resonance total cross section



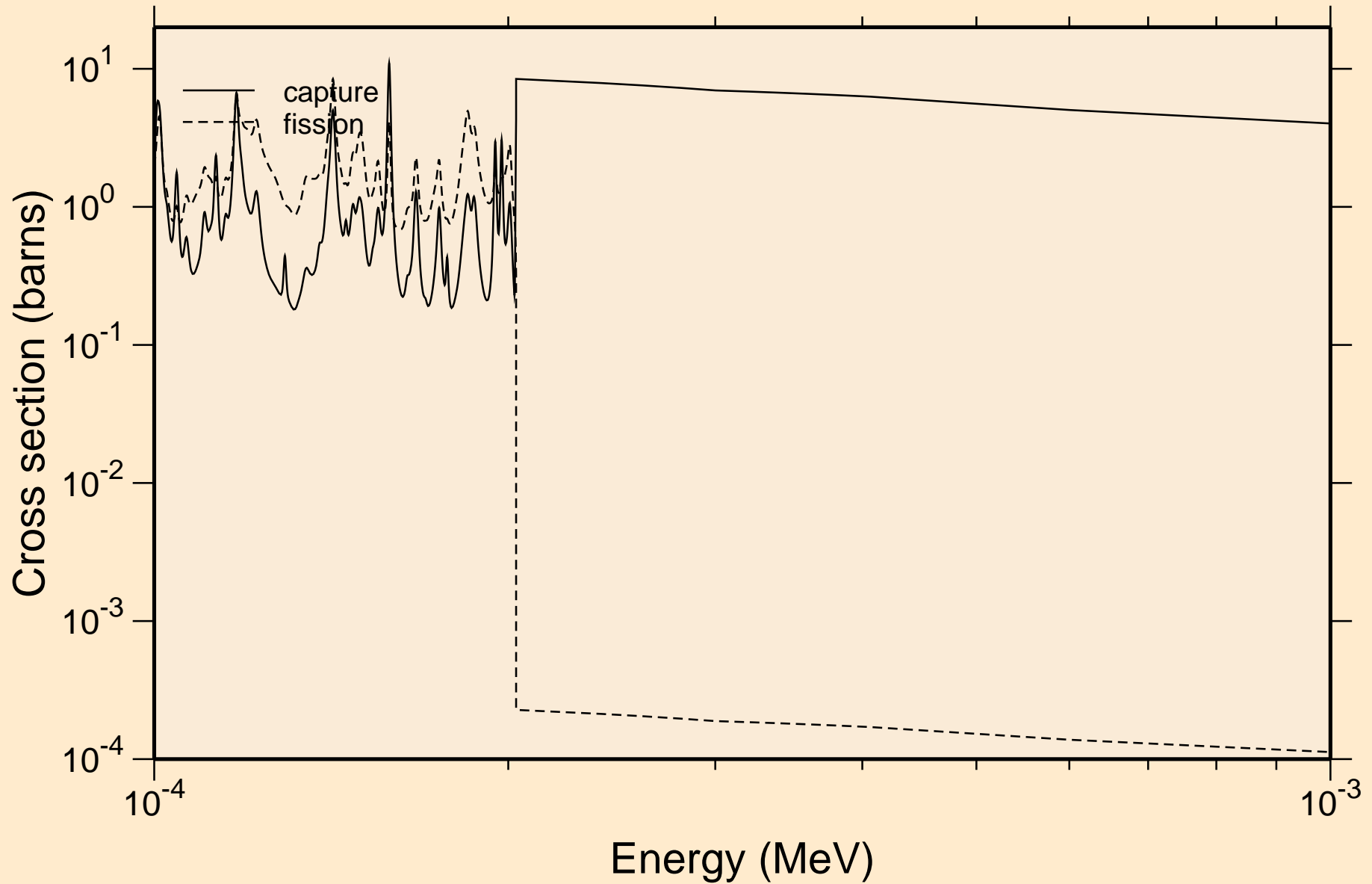
# ES248 NRG TENDL-2015, AKONING

## resonance absorption cross sections



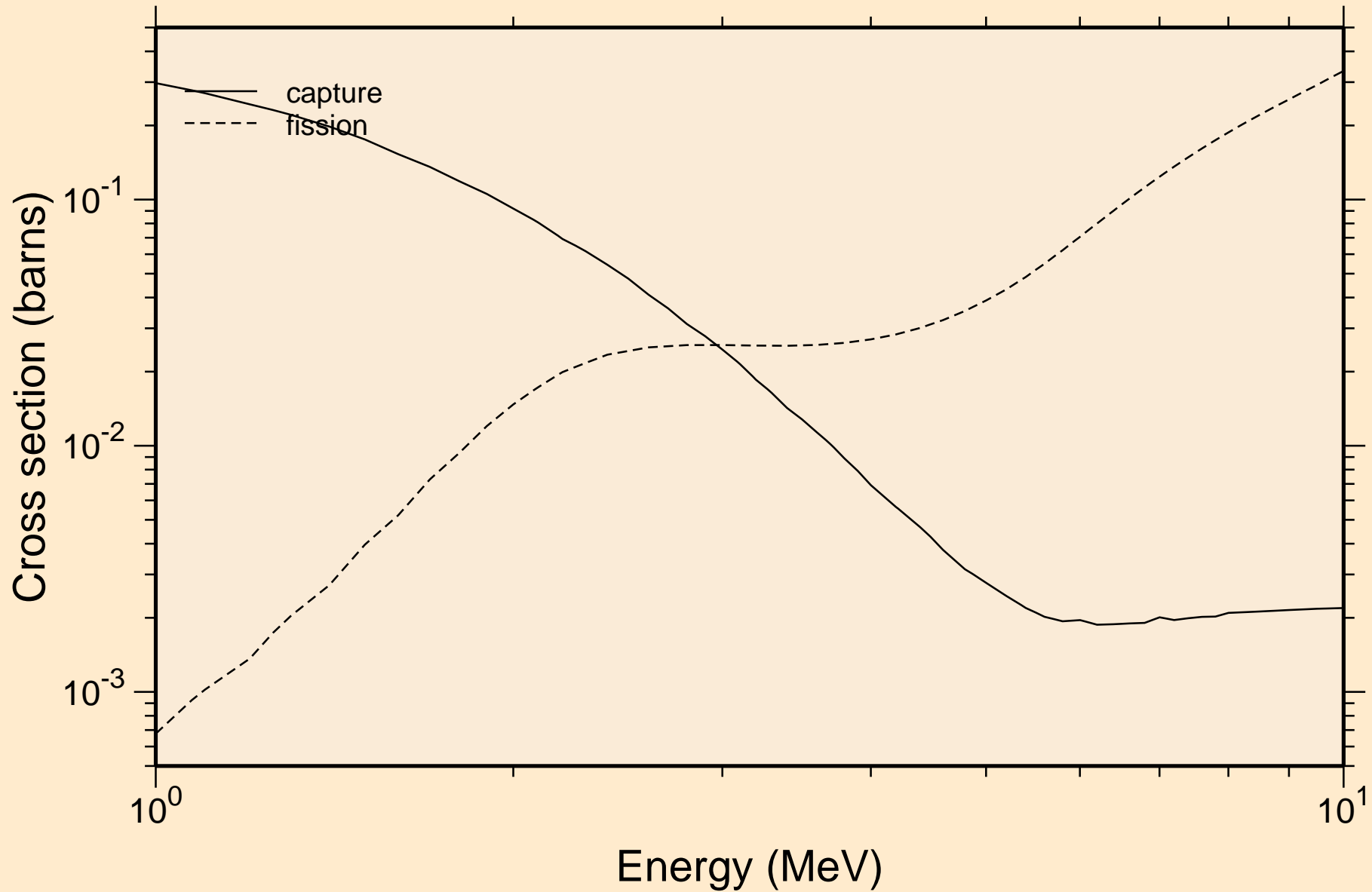
# ES248 NRG TENDL-2015, AKONING

## resonance absorption cross sections



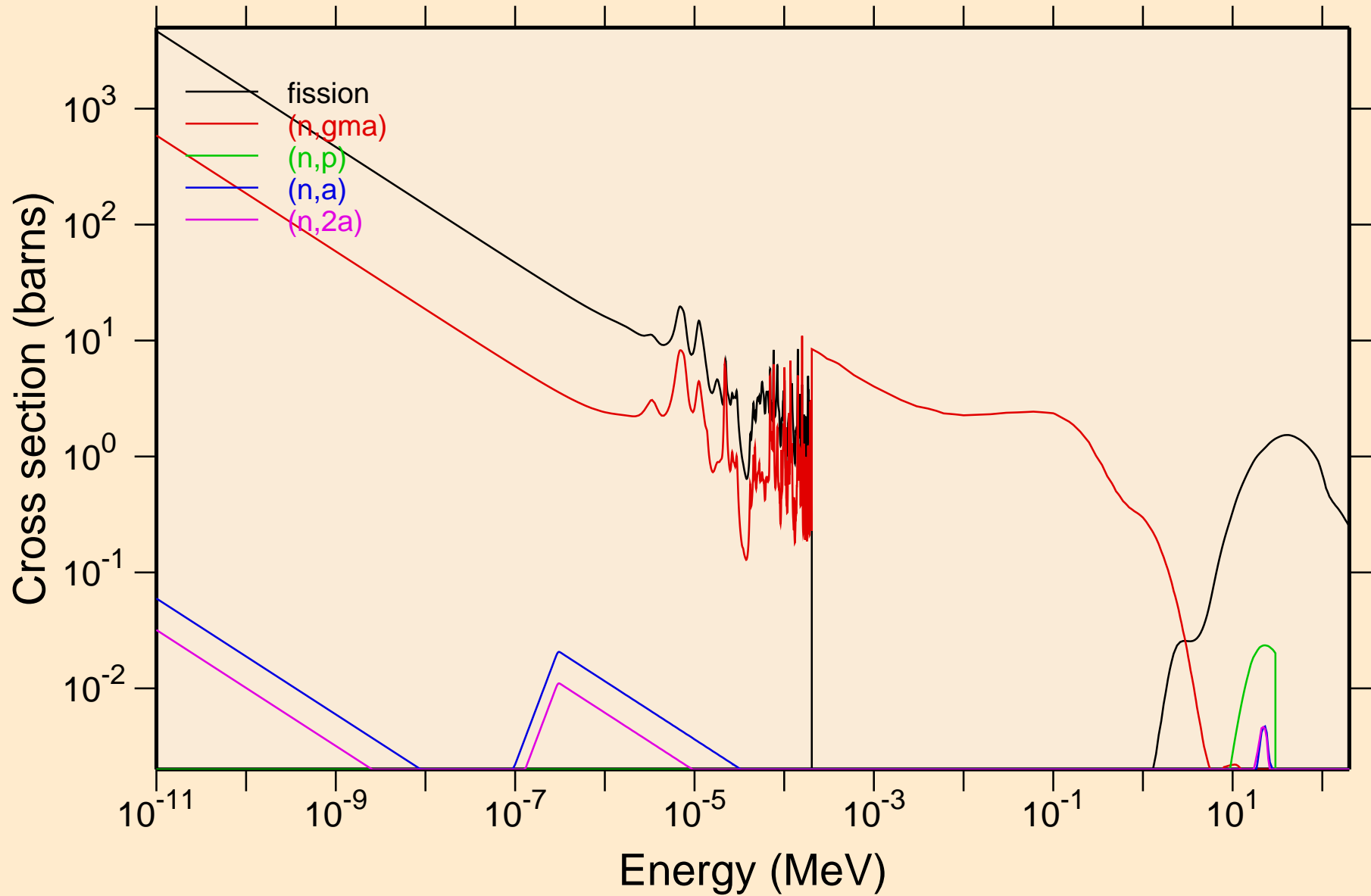
# ES248 NRG TENDL-2015, AKONING

## resonance absorption cross sections



# ES248 NRG TENDL-2015, AKONING

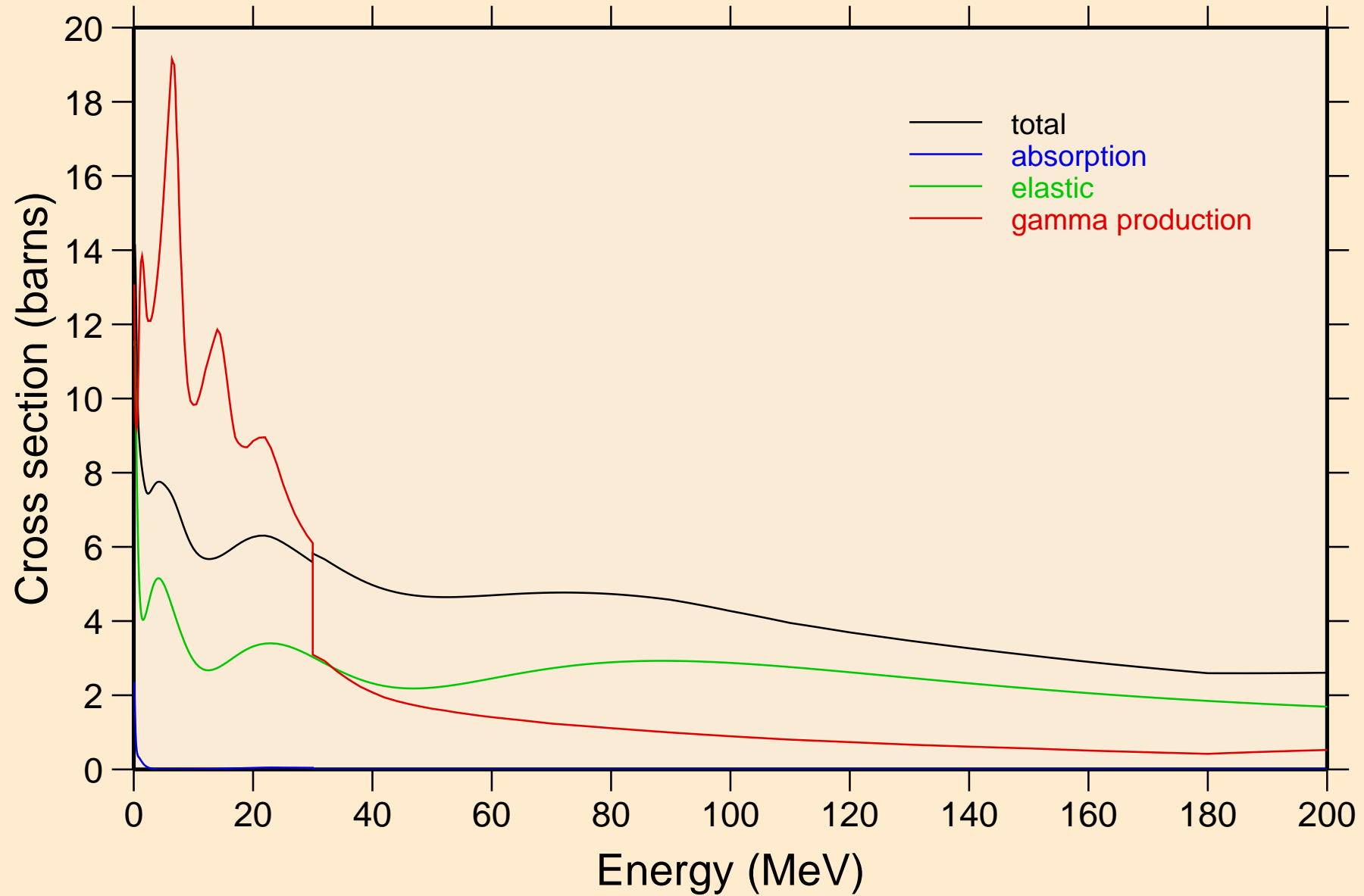
## Non-threshold reactions





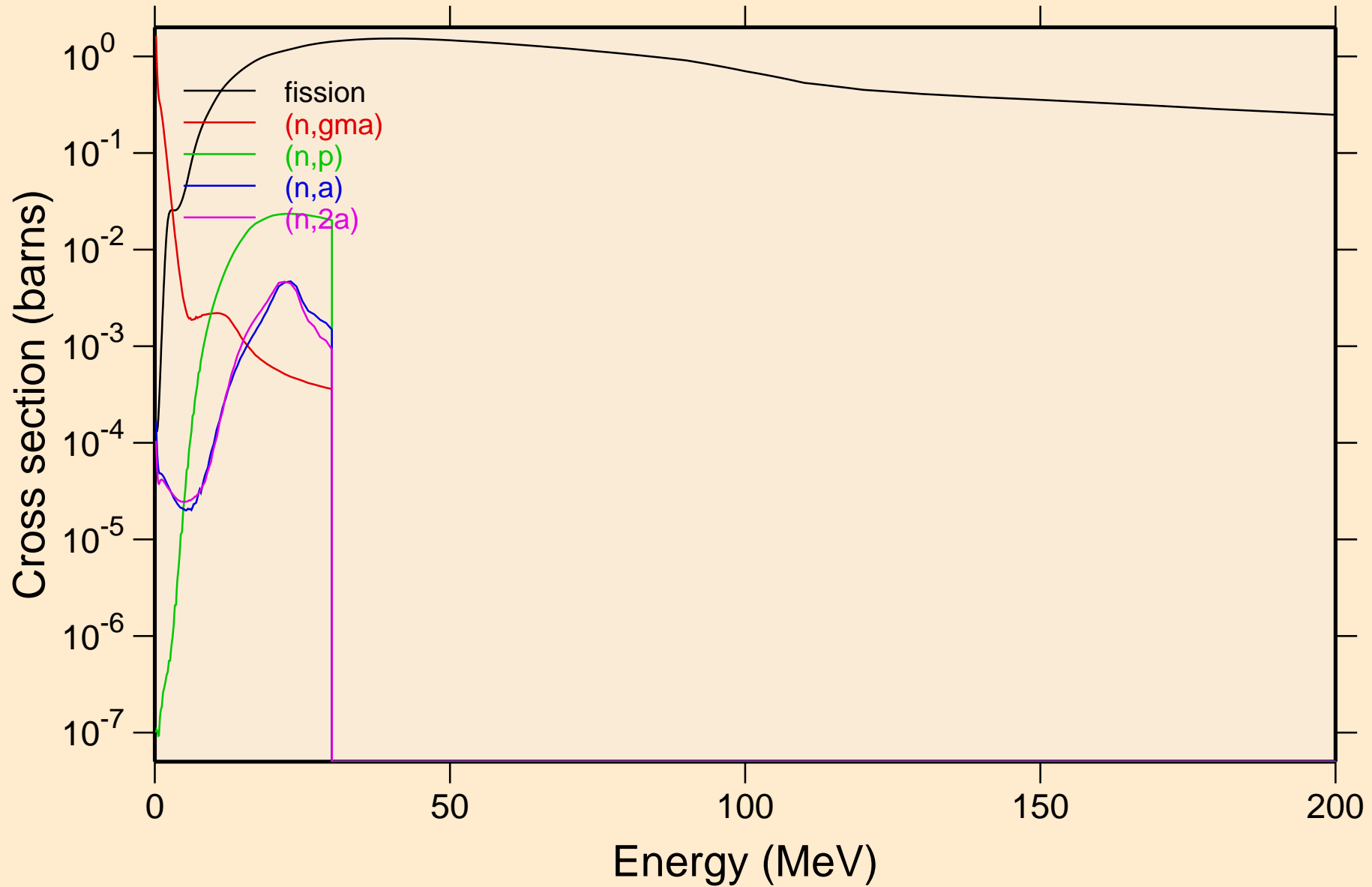
# ES248 NRG TENDL-2015, AKONING

## Principal cross sections

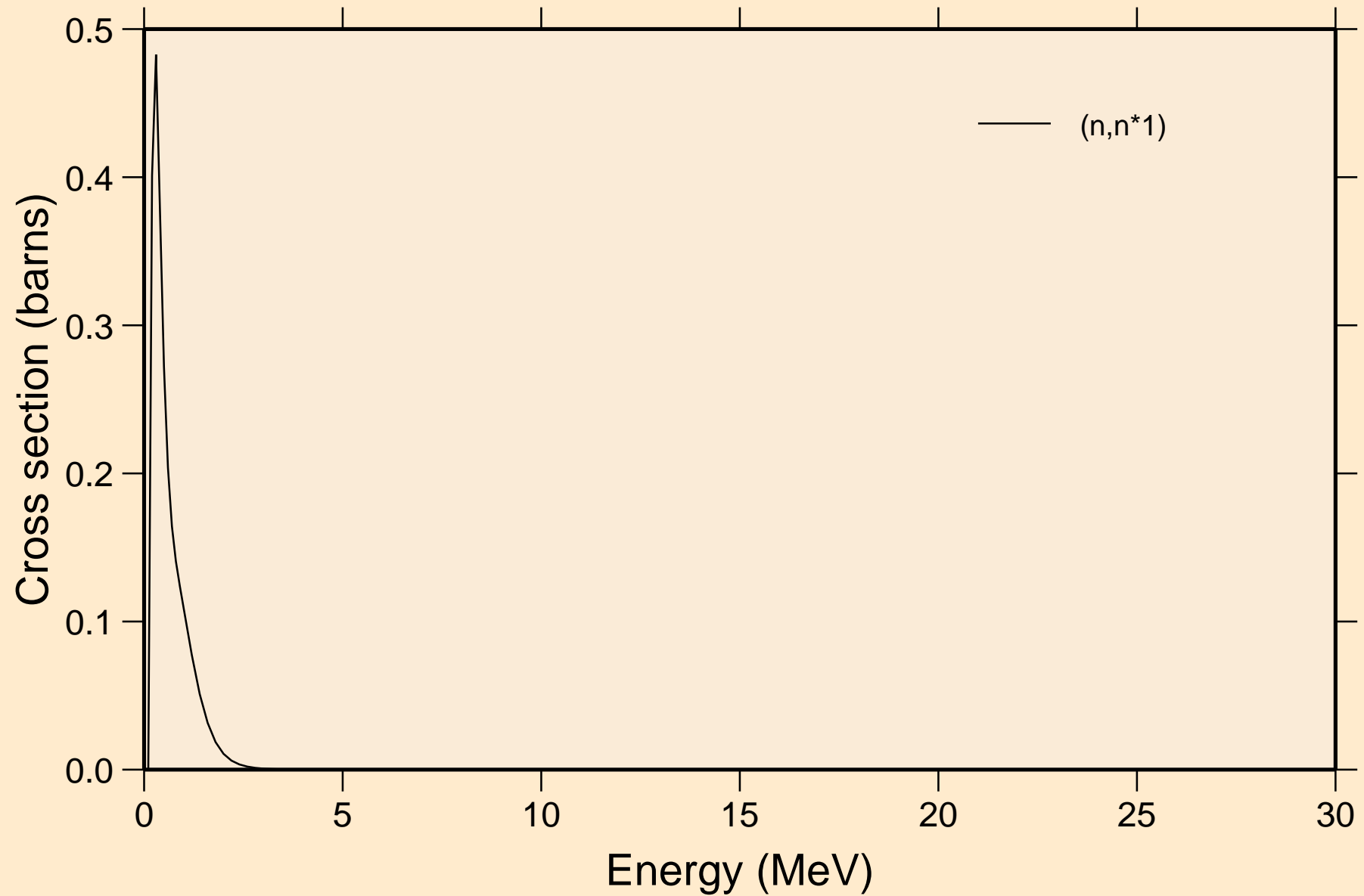


# ES248 NRG TENDL-2015, AKONING

## Non-threshold reactions

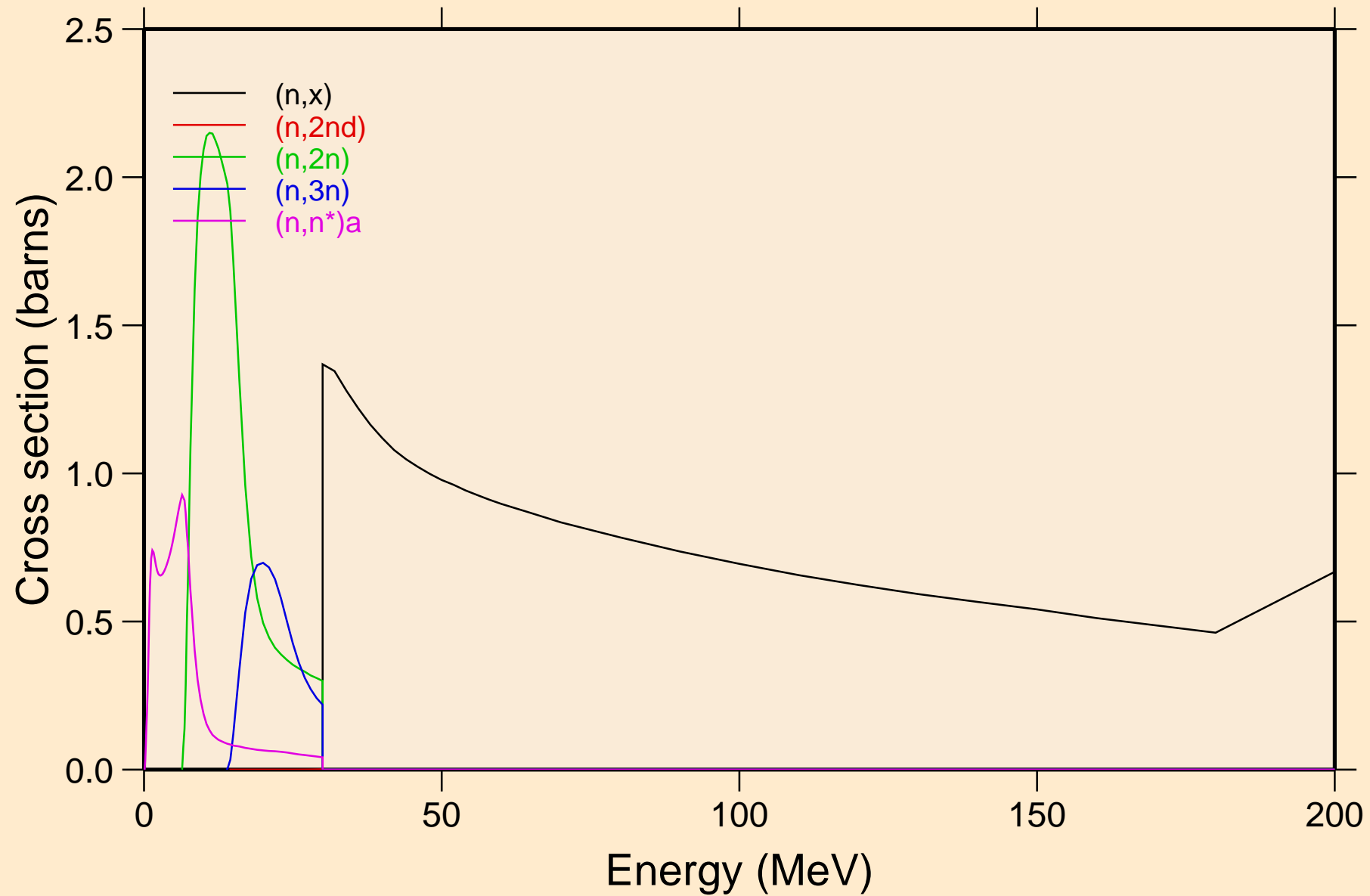


ES248 NRG TENDL-2015, AKONING  
Inelastic levels



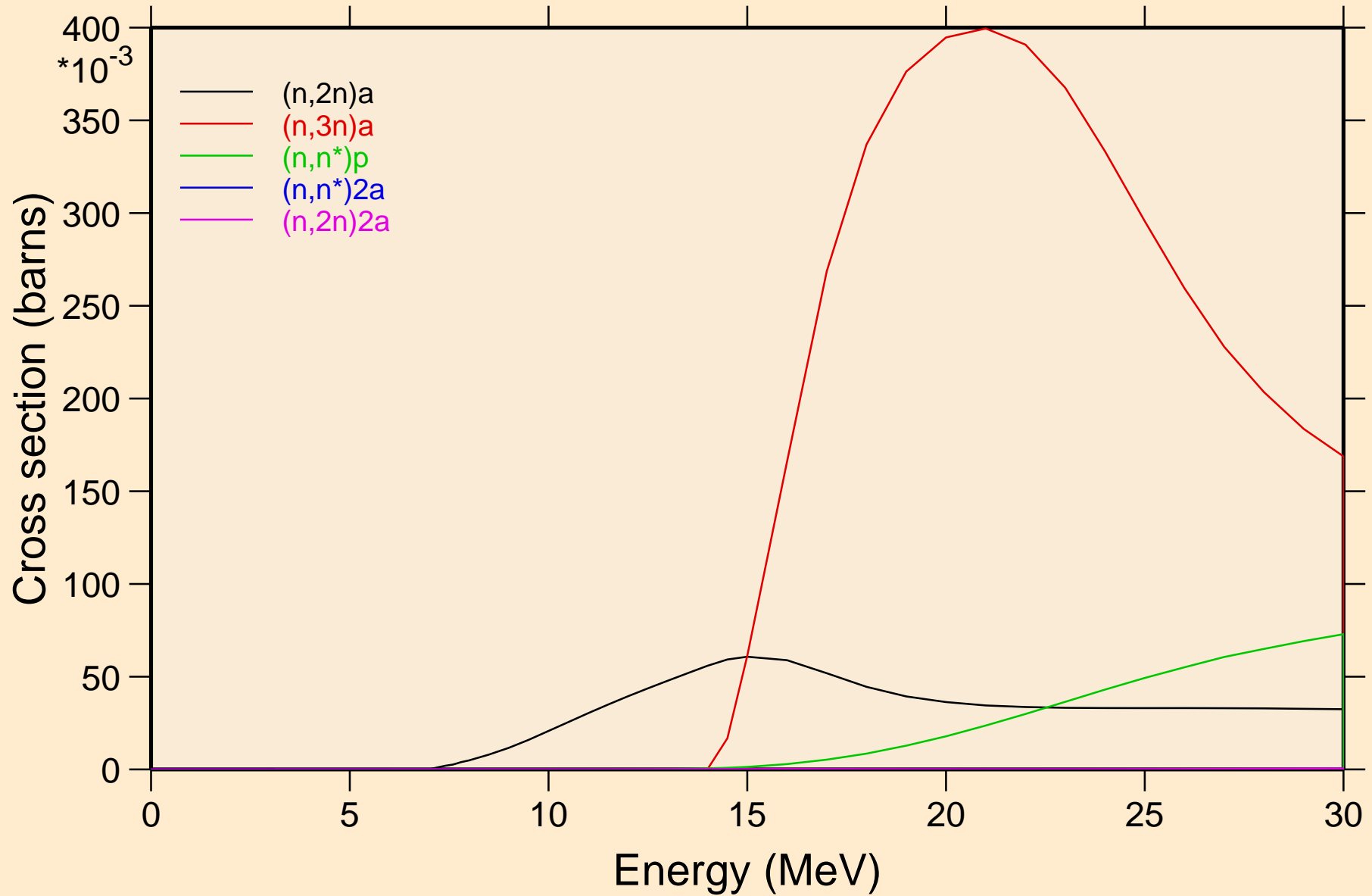
# ES248 NRG TENDL-2015, AKONING

## Threshold reactions



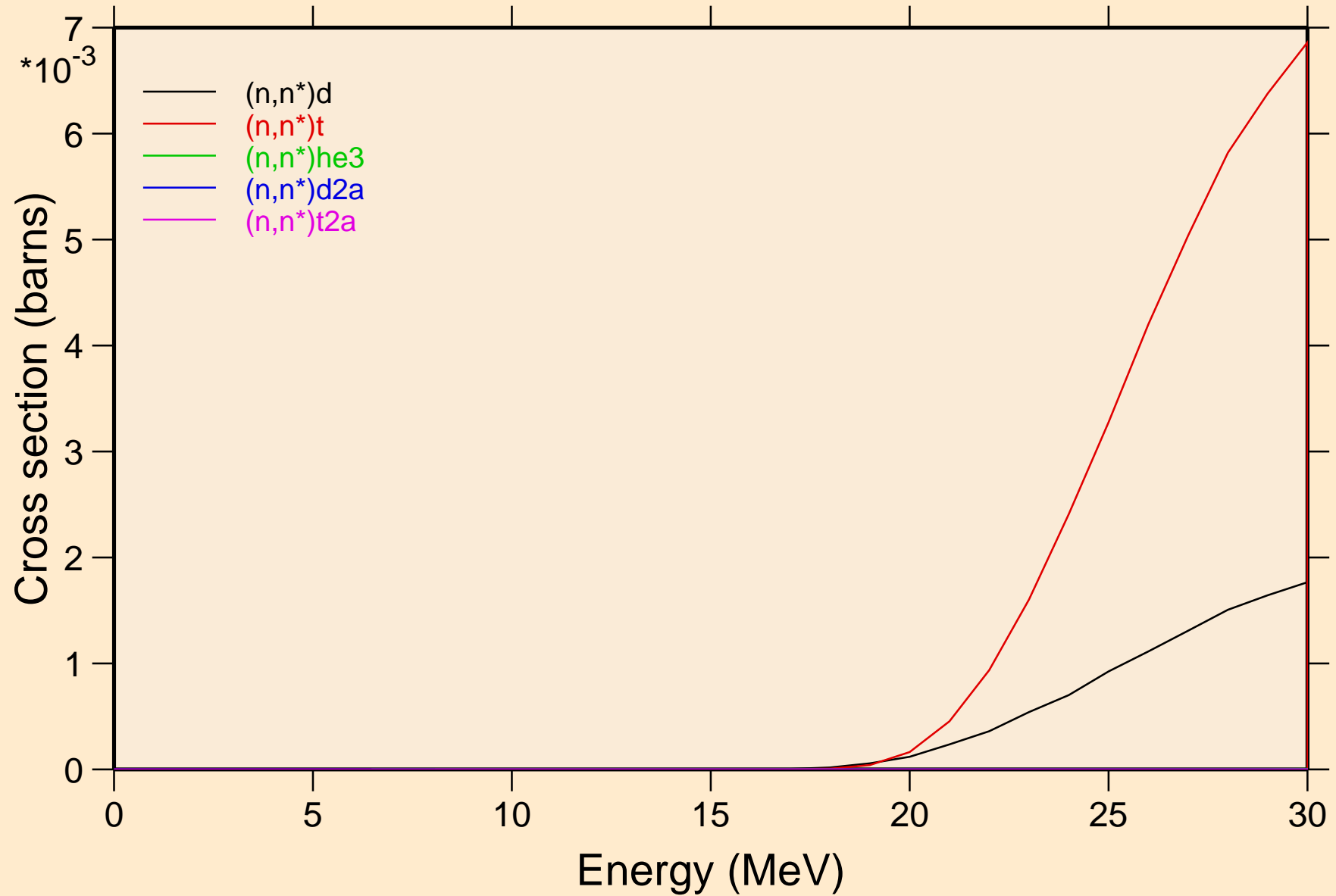
# ES248 NRG TENDL-2015, AKONING

## Threshold reactions



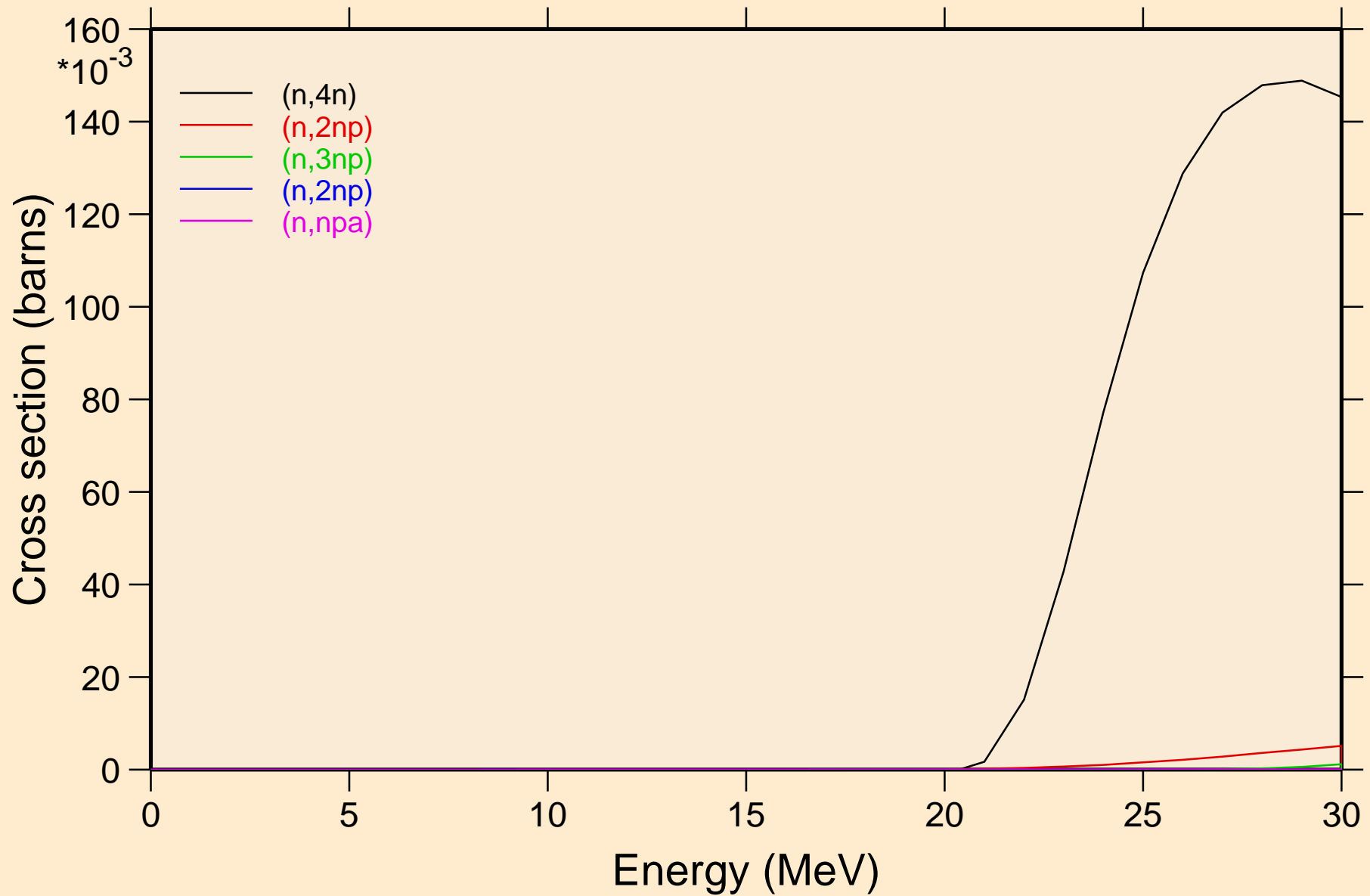
# ES248 NRG TENDL-2015, AKONING

## Threshold reactions



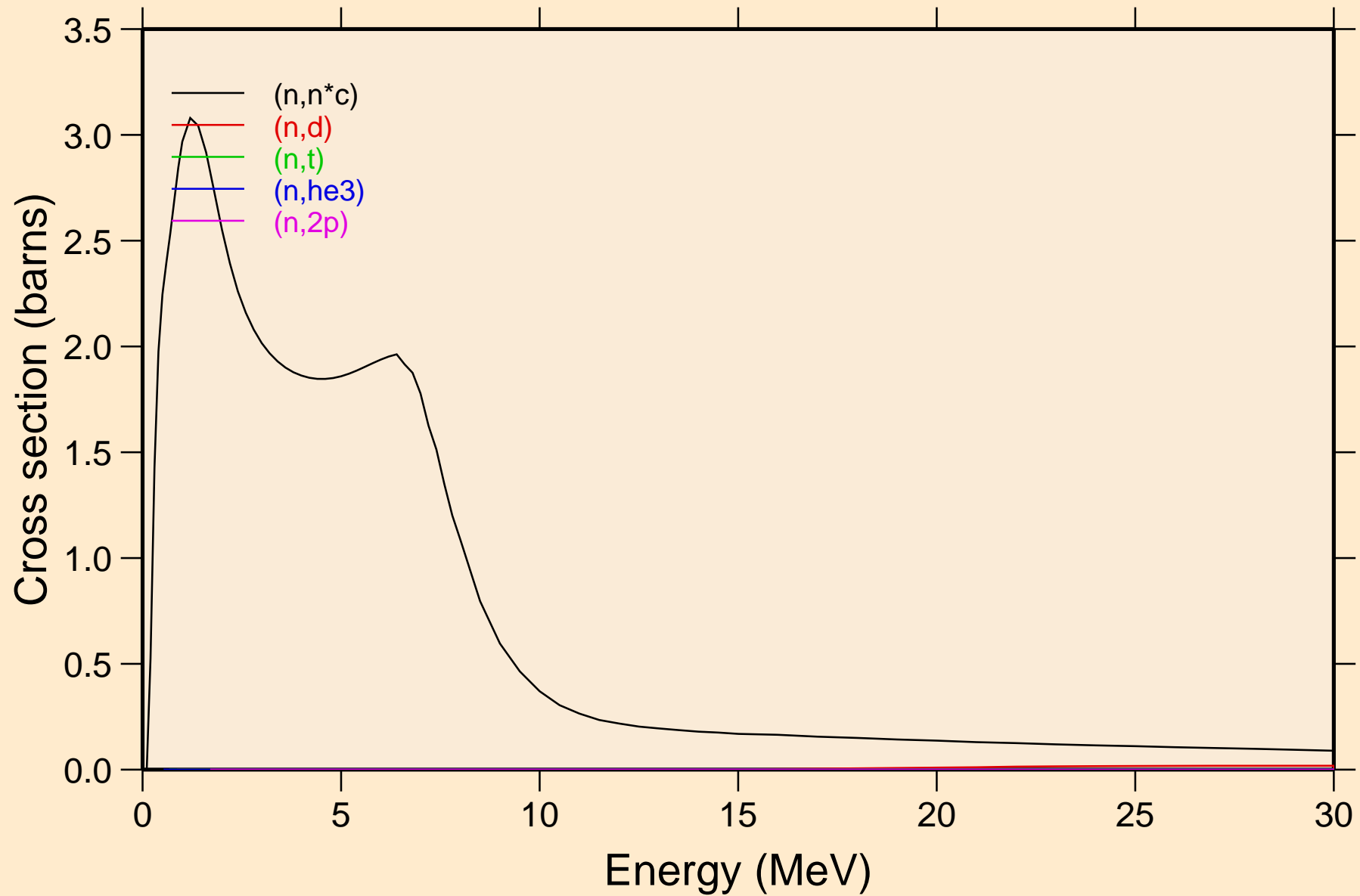
# ES248 NRG TENDL-2015, AKONING

## Threshold reactions



# ES248 NRG TENDL-2015, AKONING

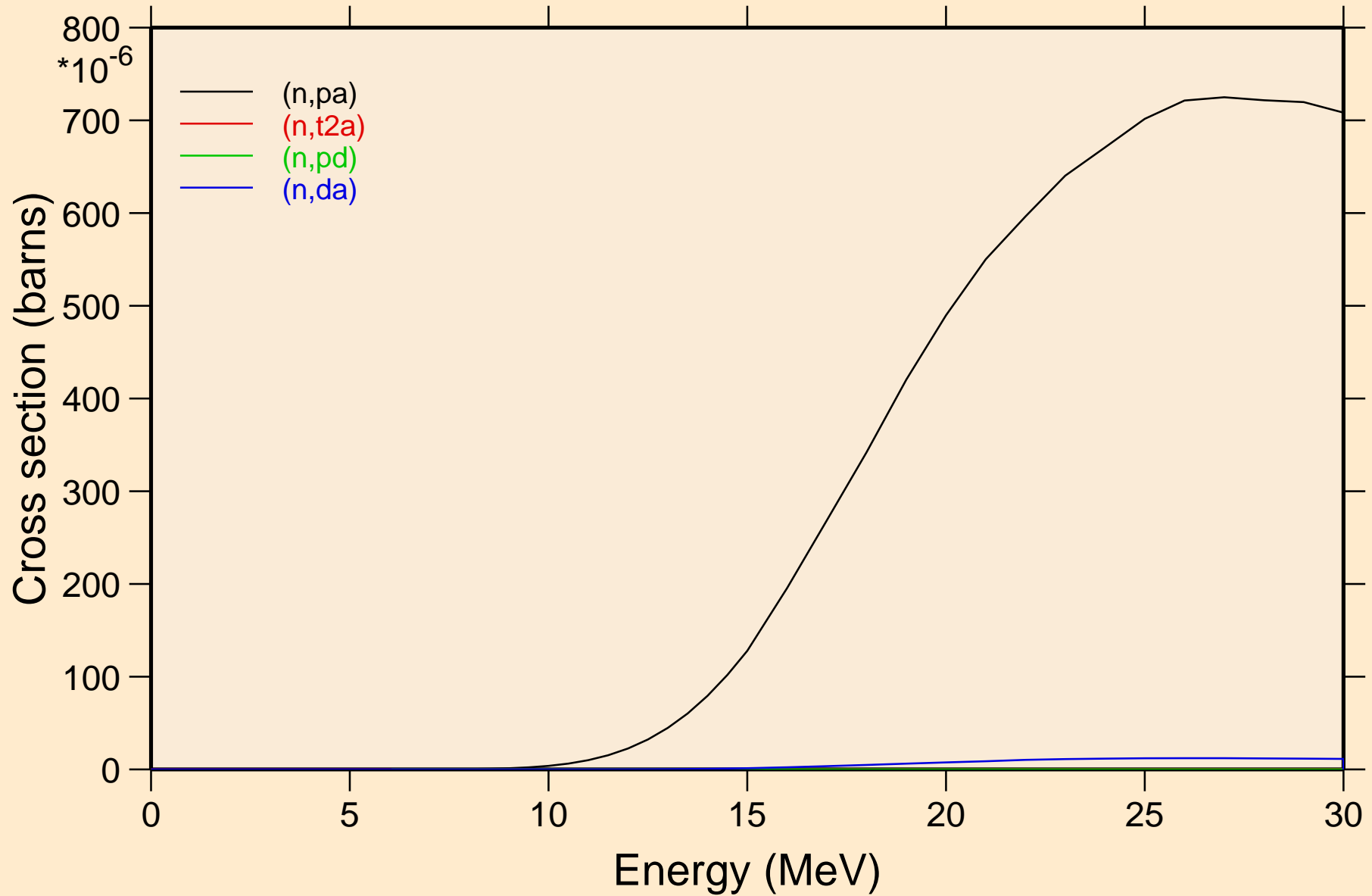
## Threshold reactions



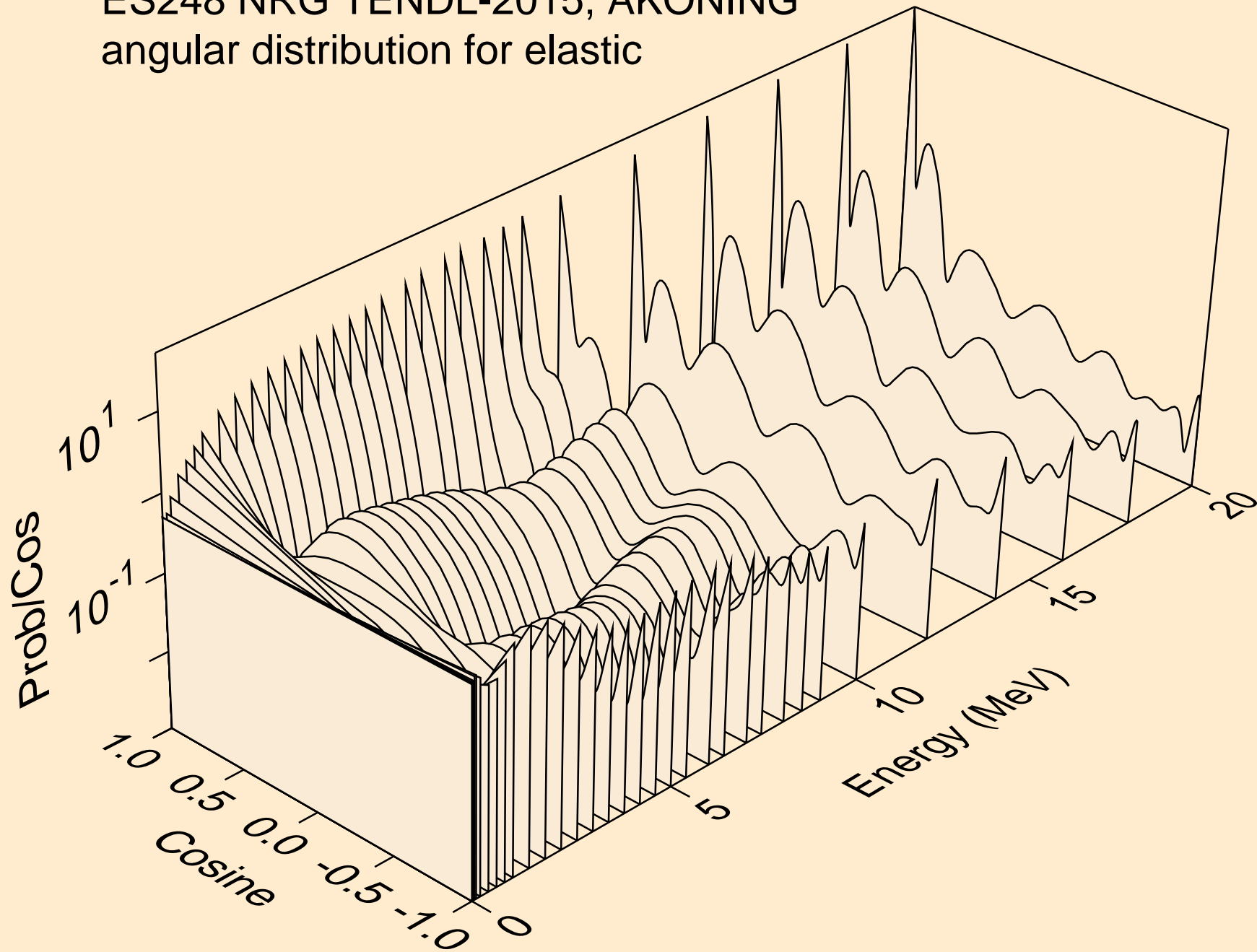


# ES248 NRG TENDL-2015, AKONING

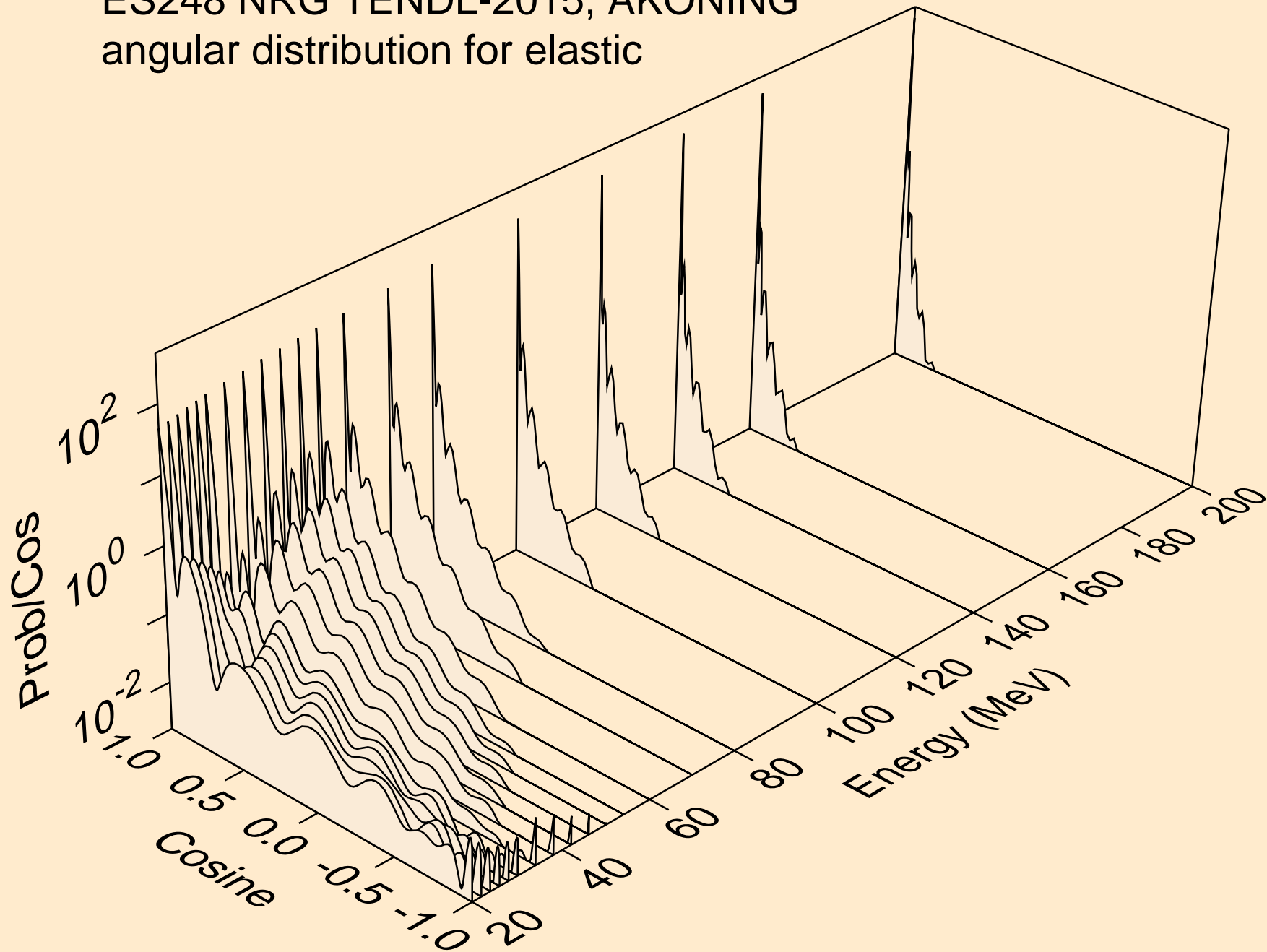
## Threshold reactions



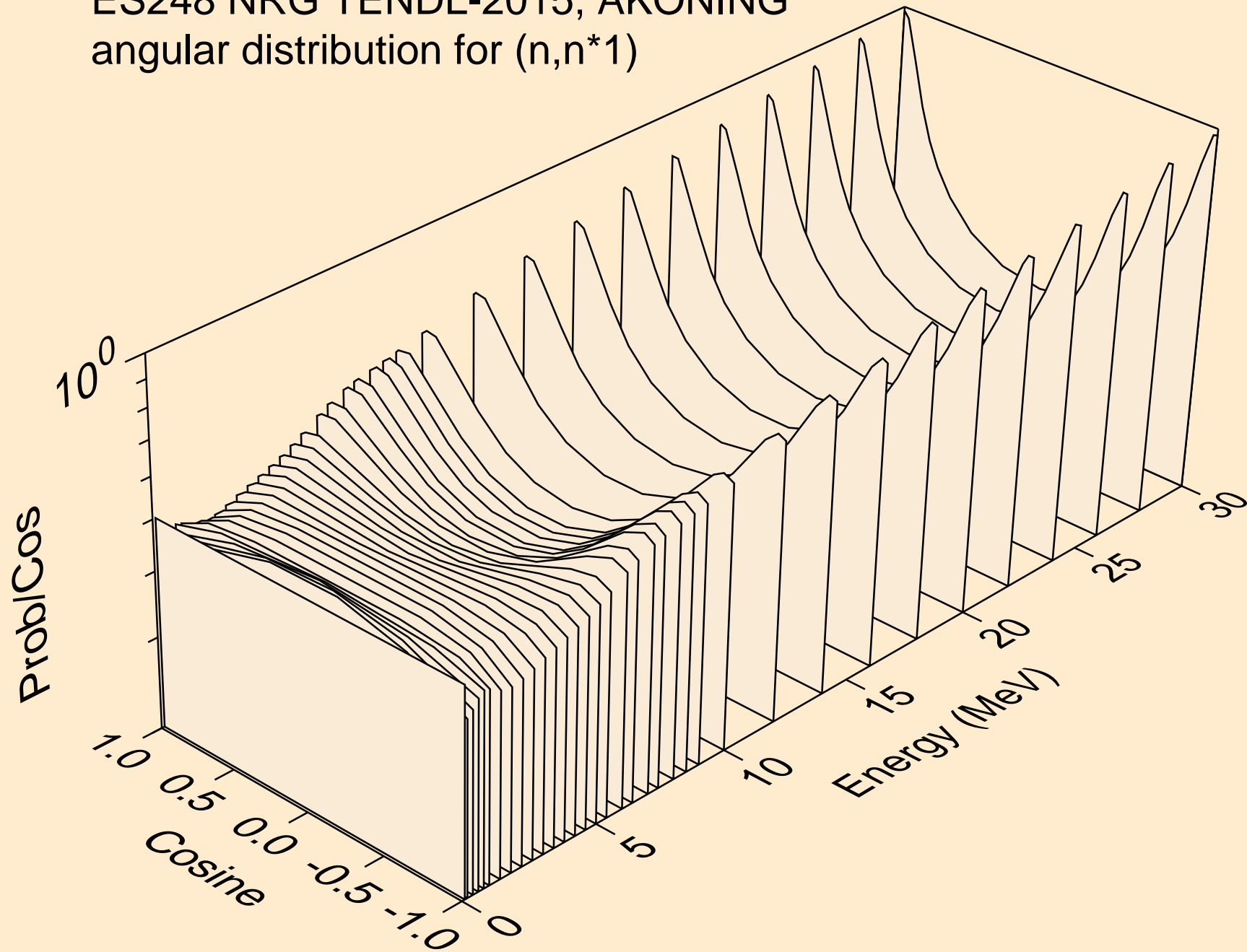
ES248 NRG TENDL-2015, AKONING  
angular distribution for elastic



ES248 NRG TENDL-2015, AKONING  
angular distribution for elastic

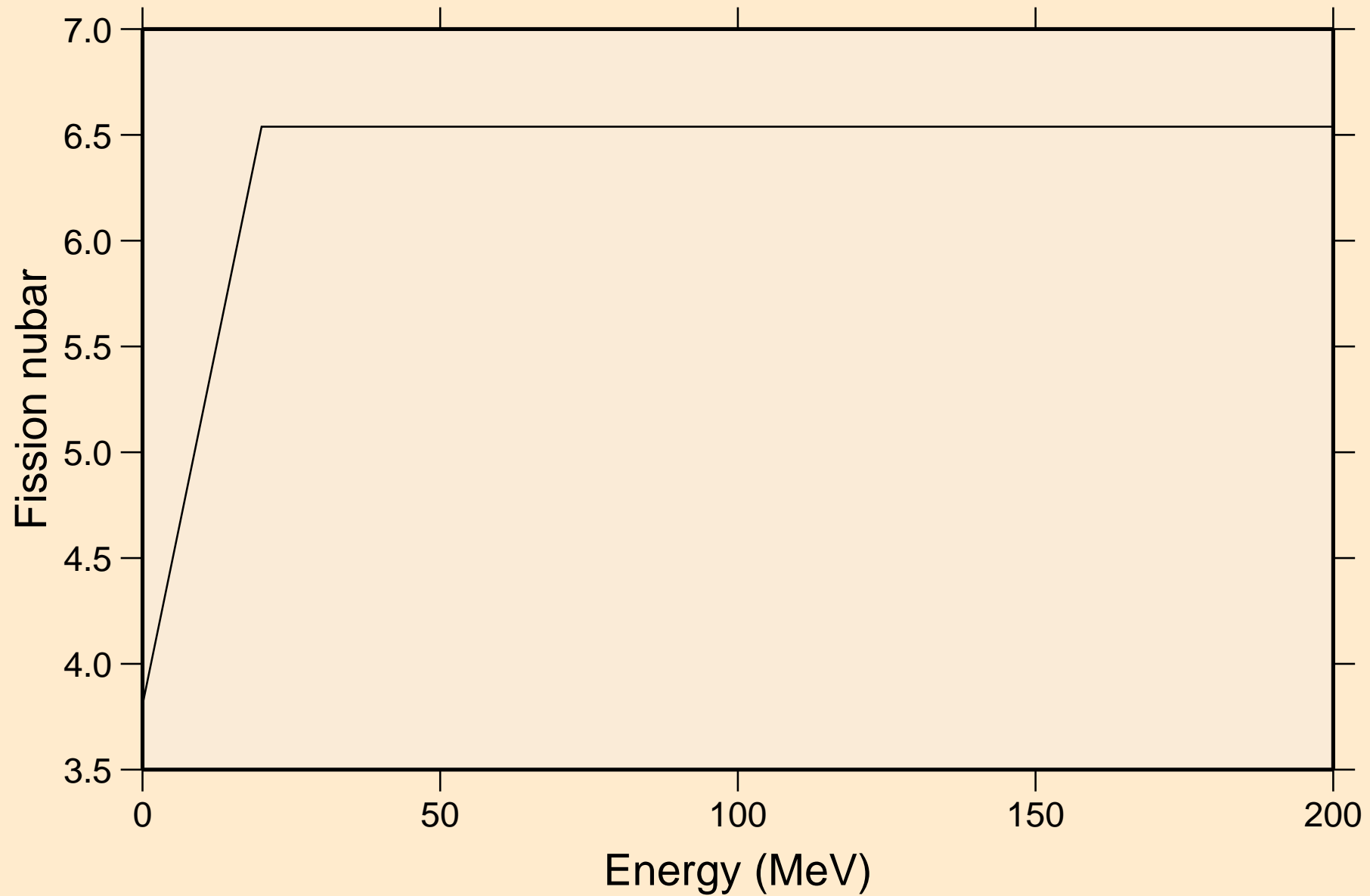


ES248 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)

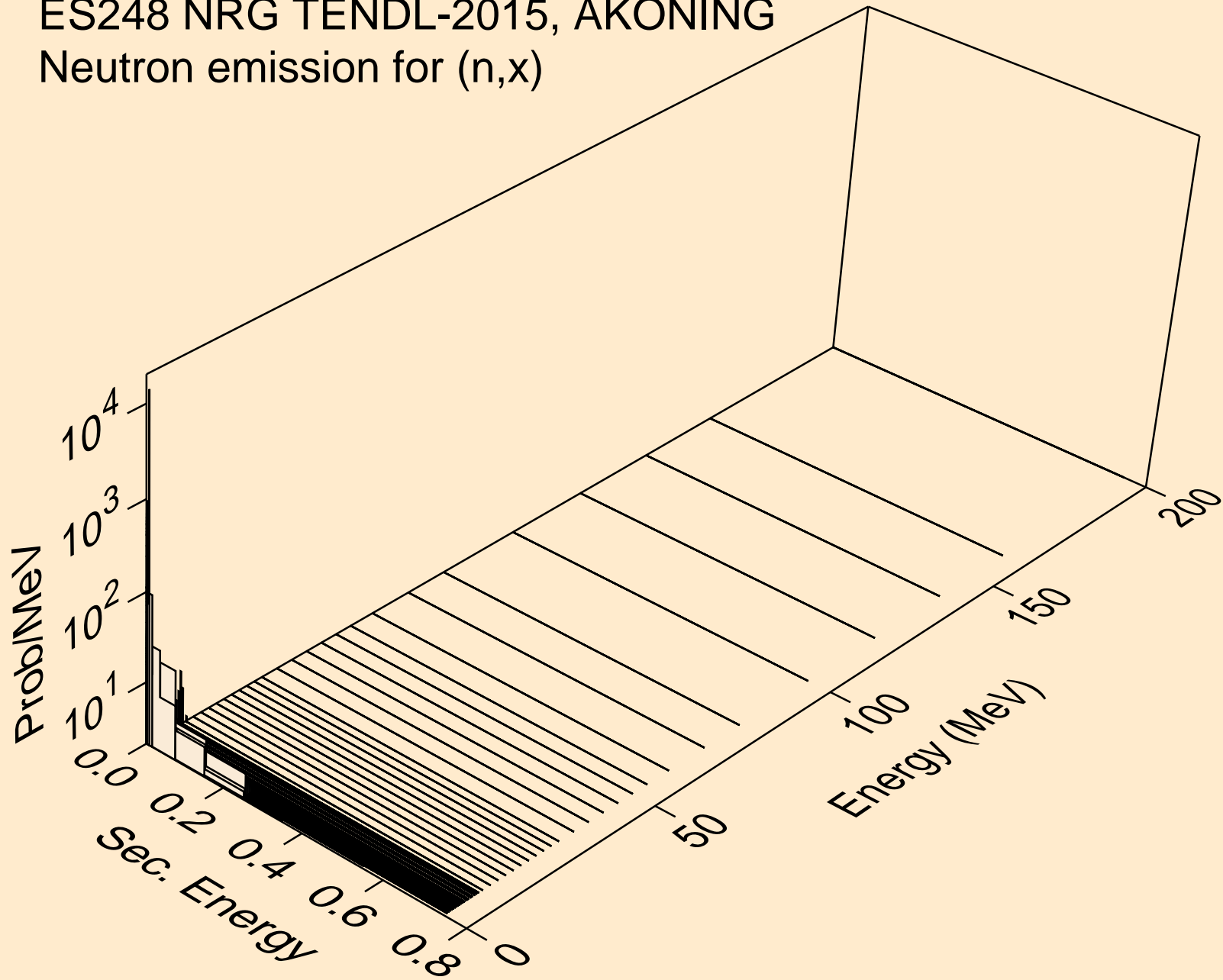


# ES248 NRG TENDL-2015, AKONING

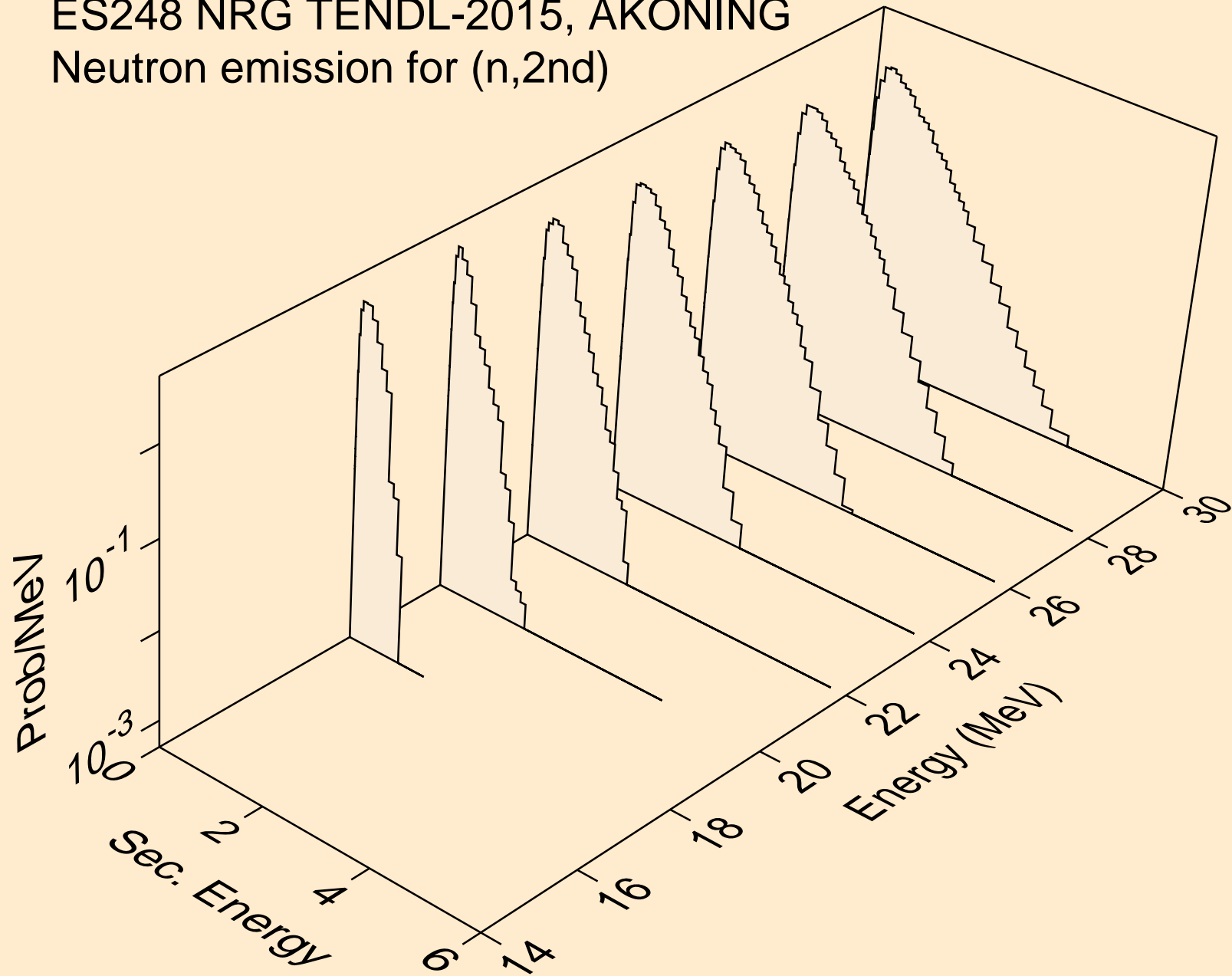
Total fission nubar



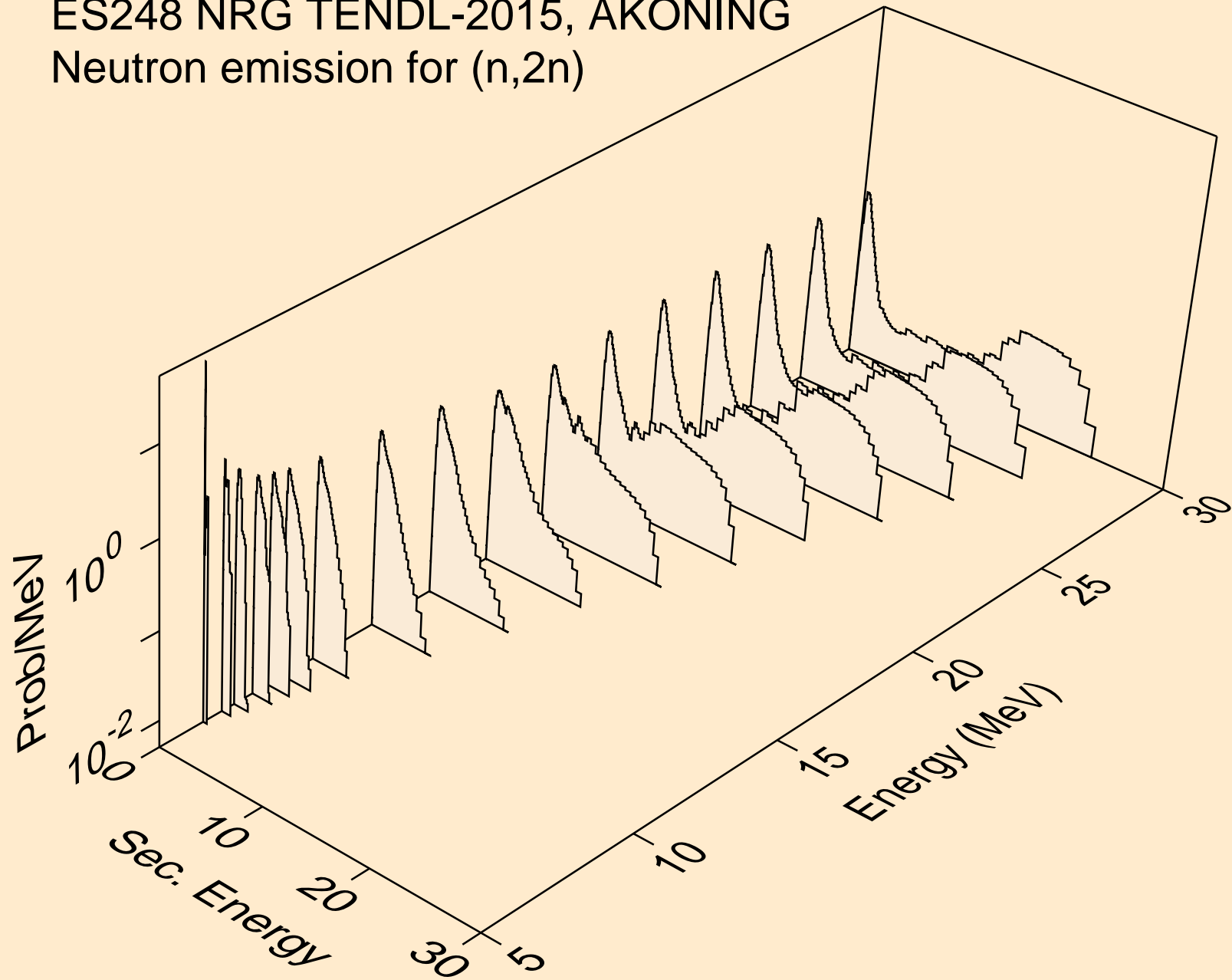
ES248 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



ES248 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)

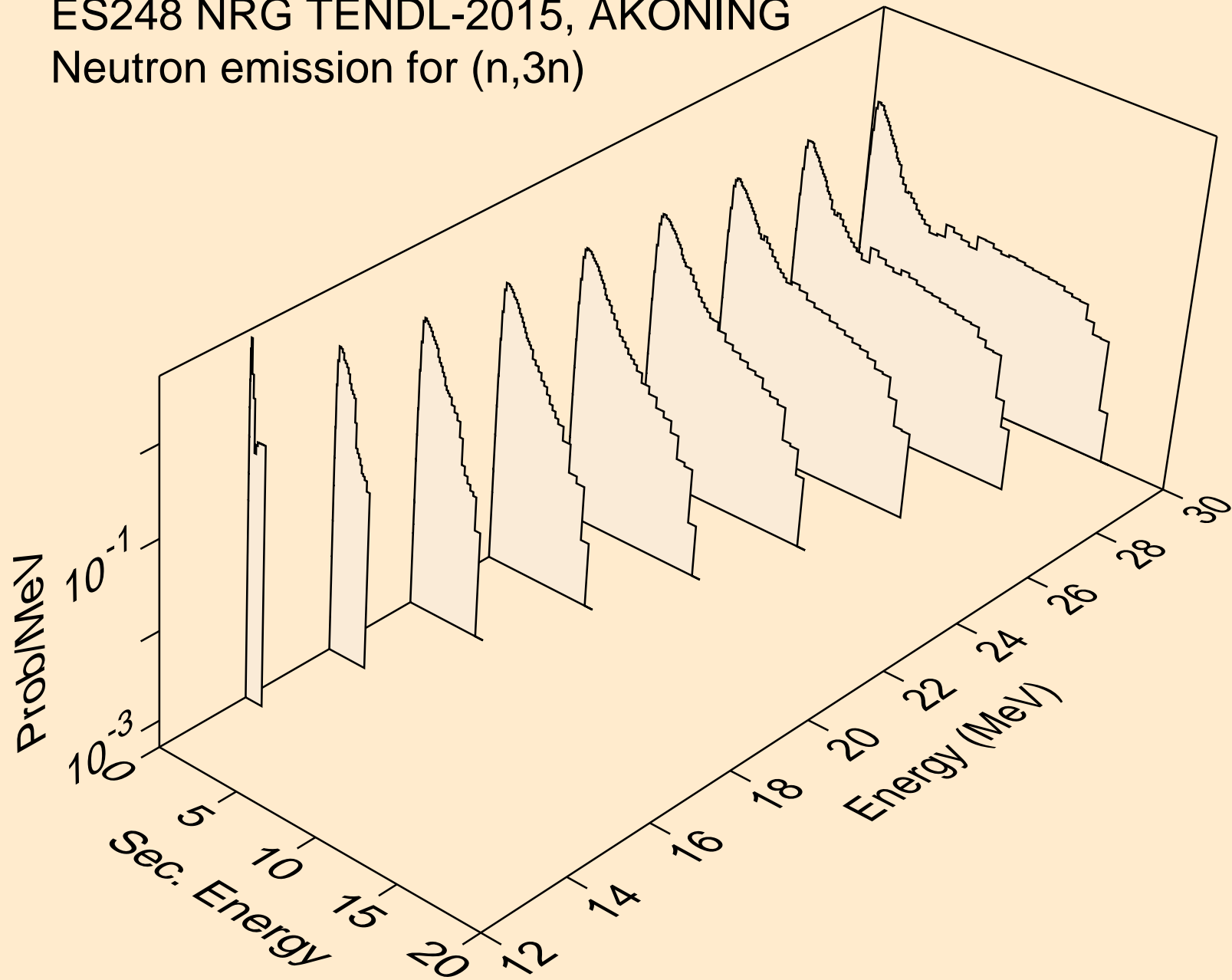


ES248 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)

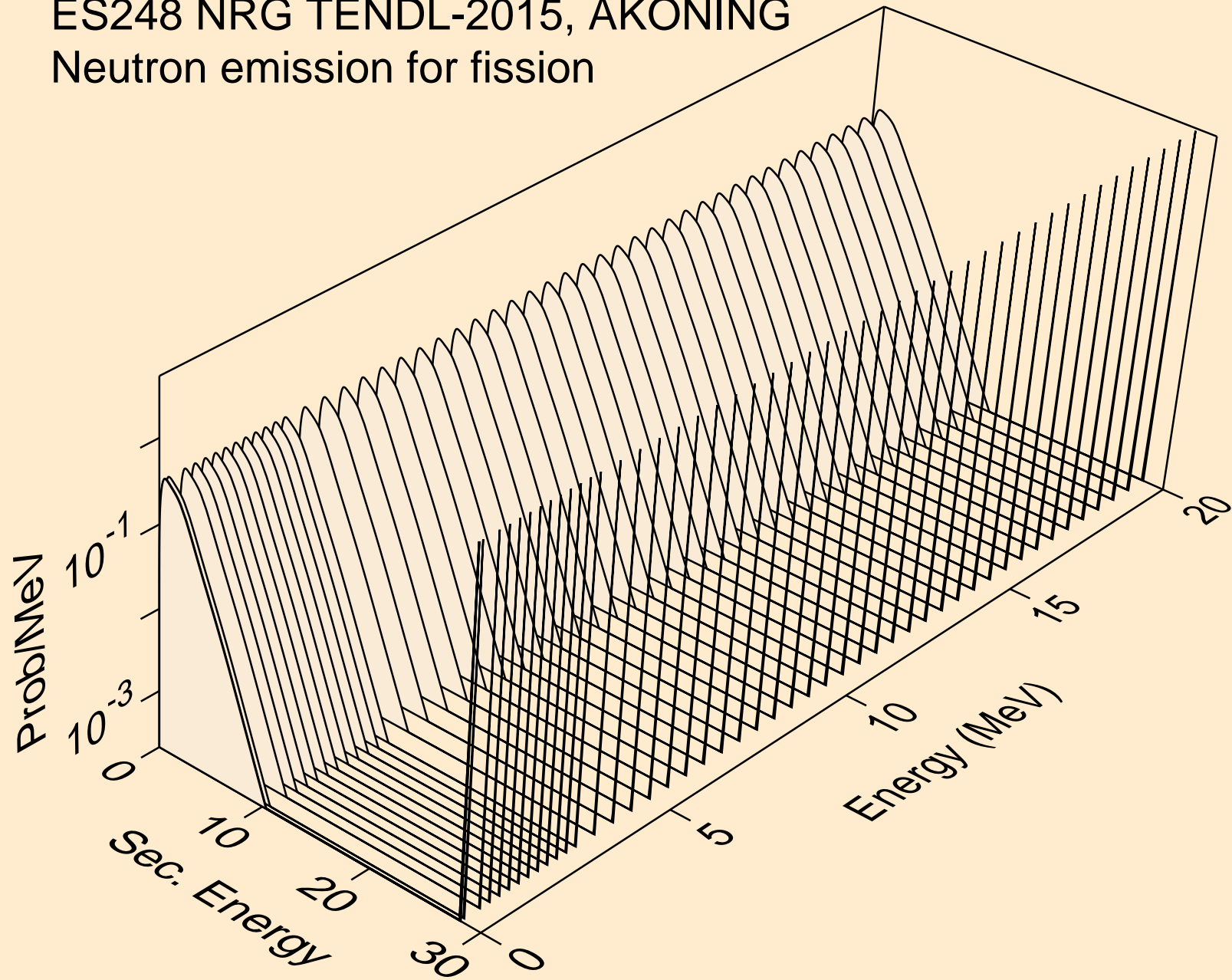




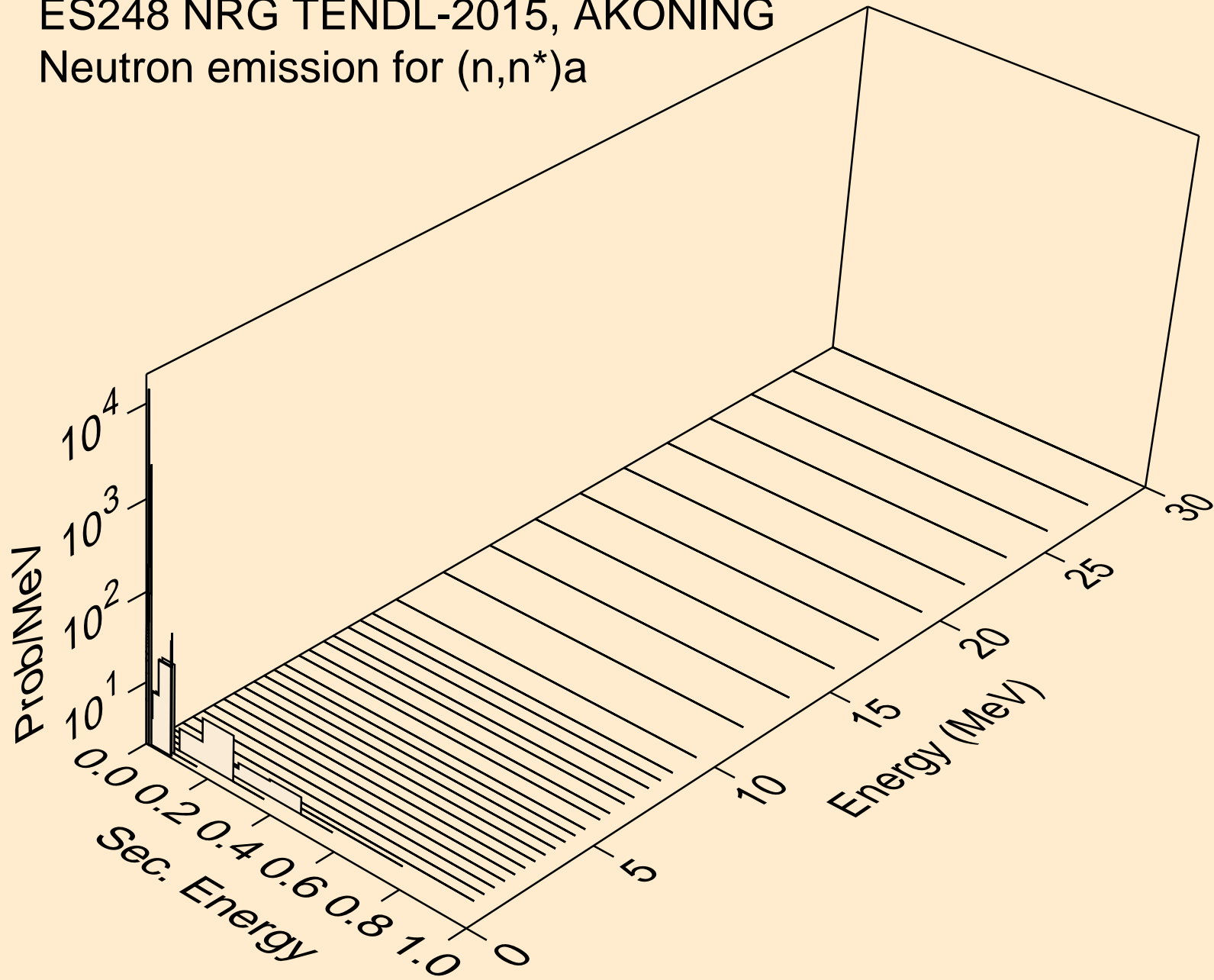
ES248 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



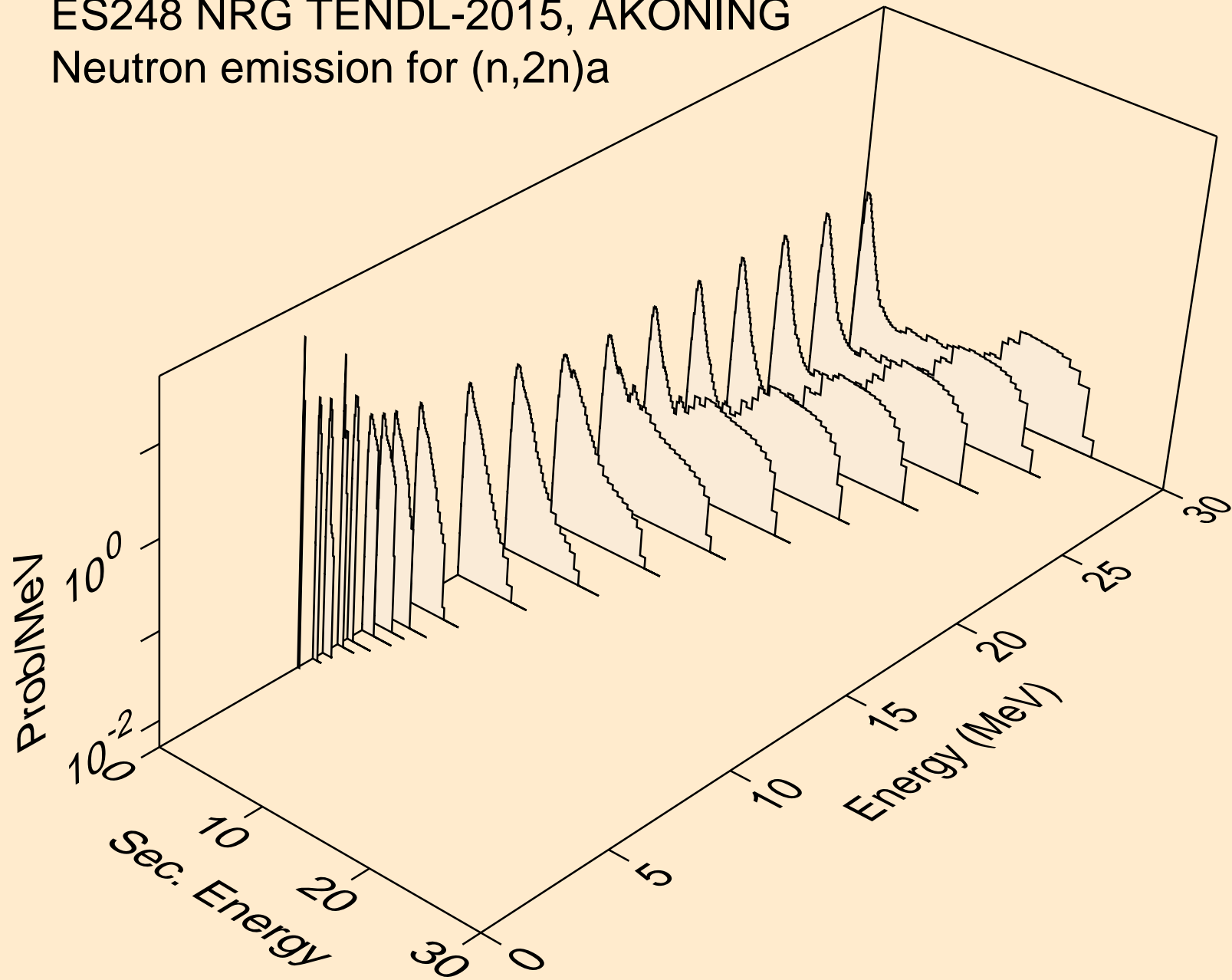
ES248 NRG TENDL-2015, AKONING  
Neutron emission for fission



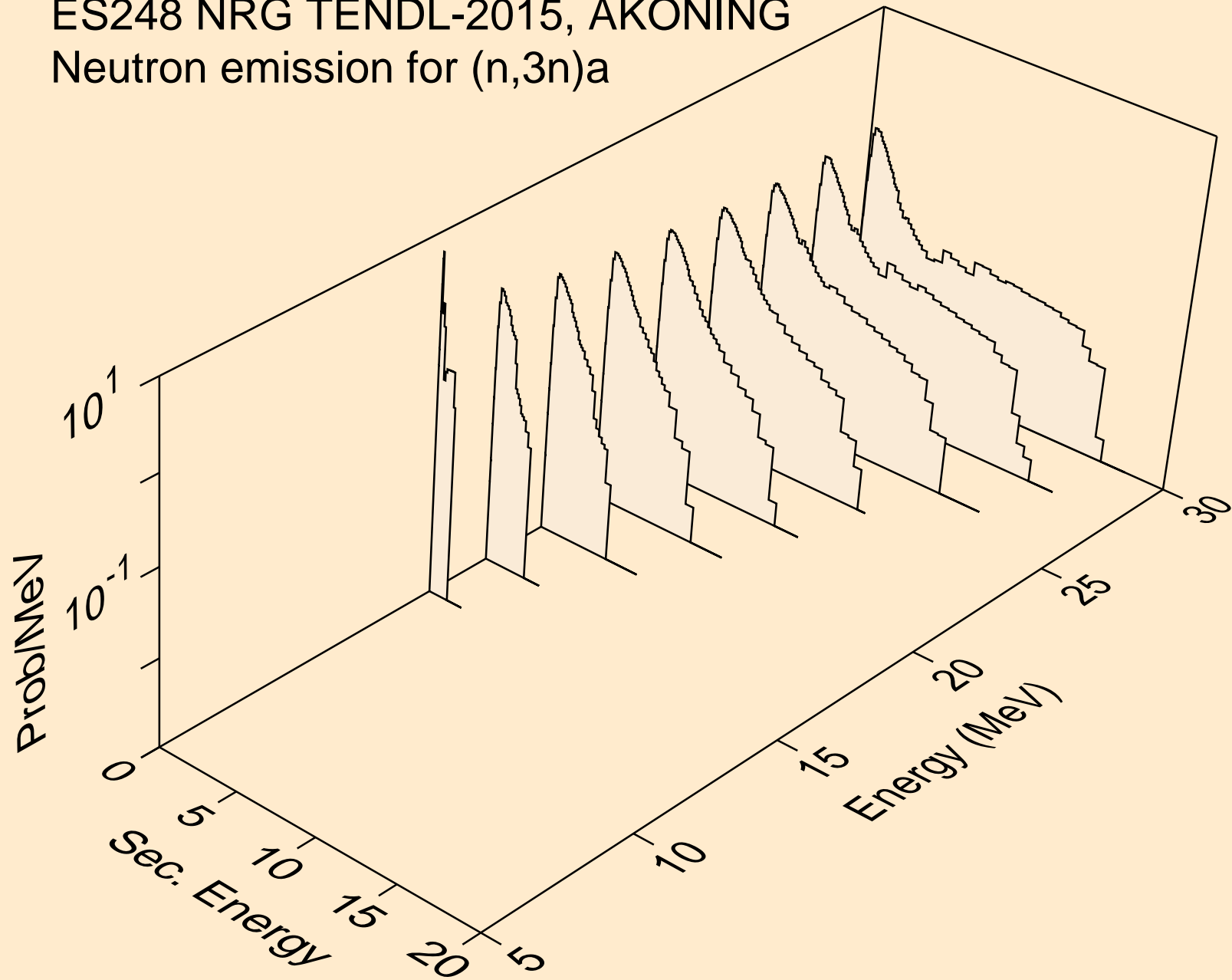
ES248 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



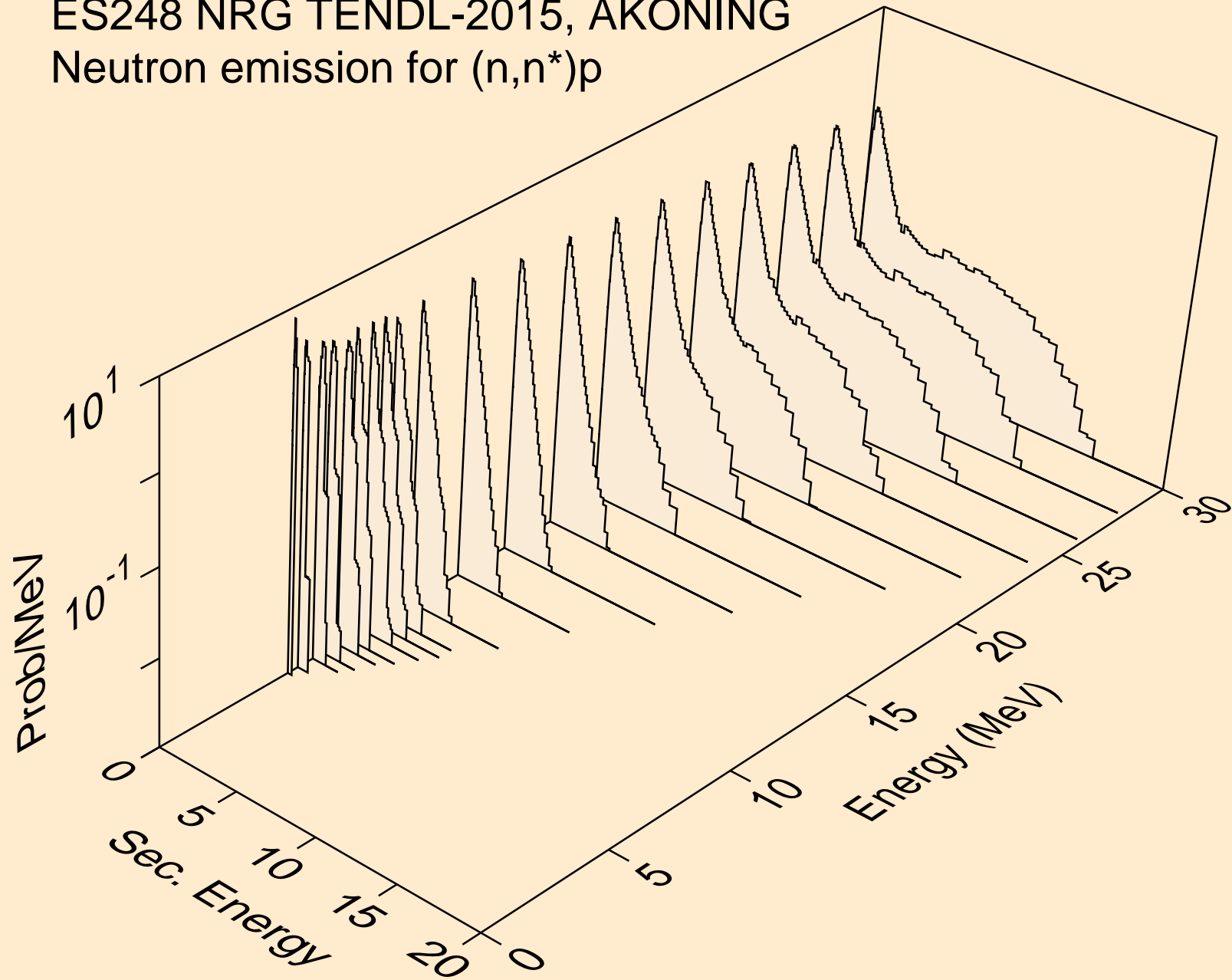
ES248 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



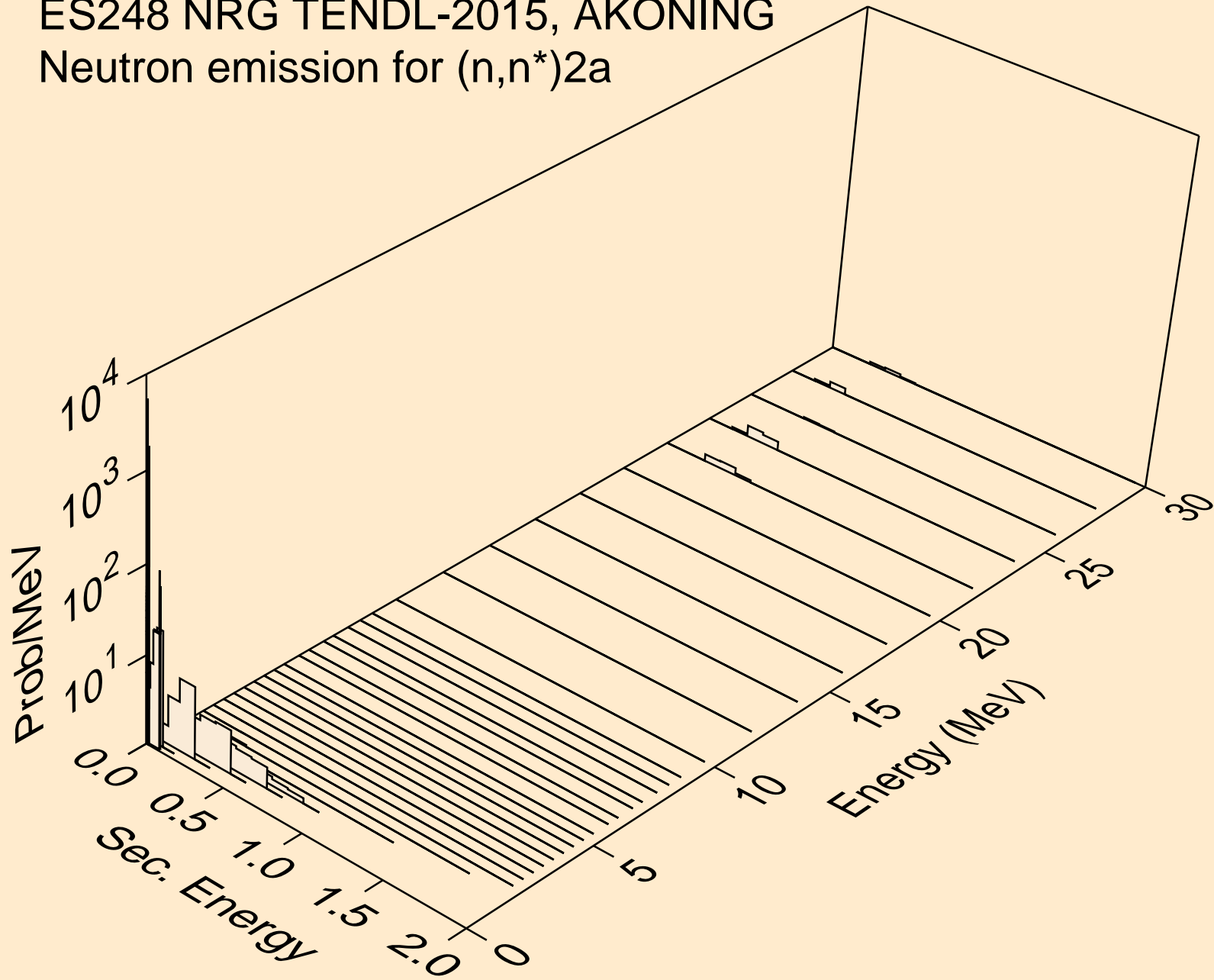
ES248 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



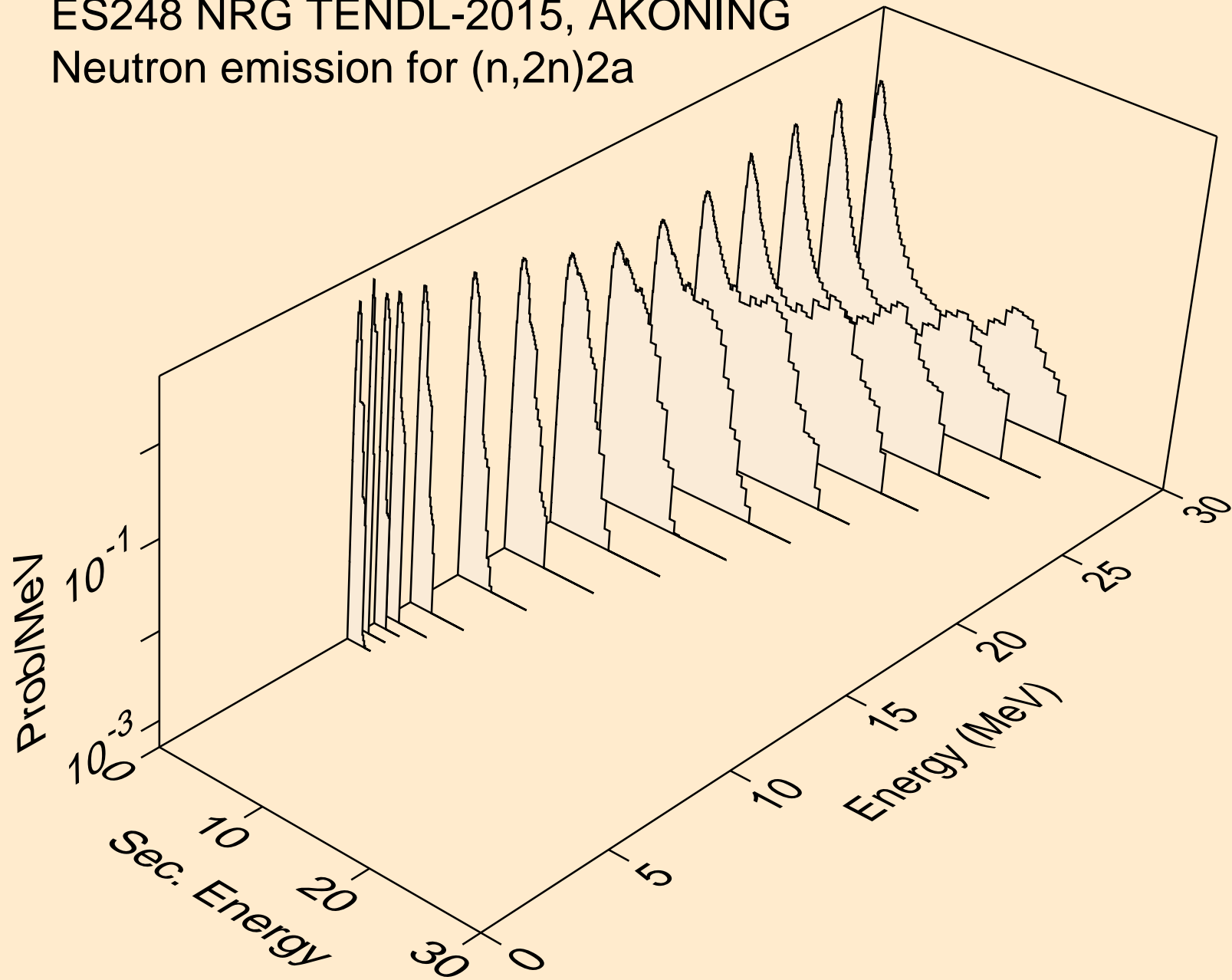
ES248 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



ES248 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a

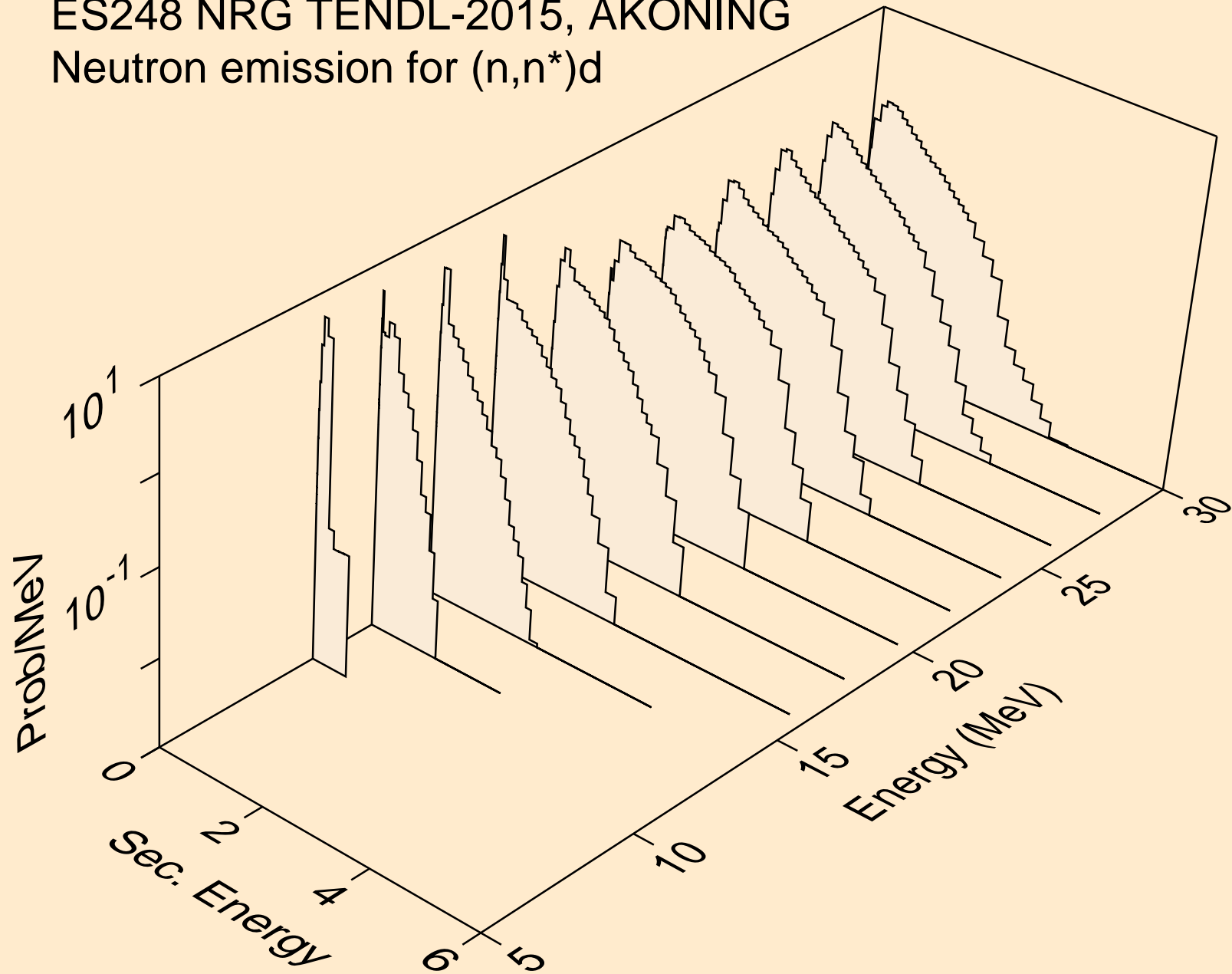


ES248 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)2a

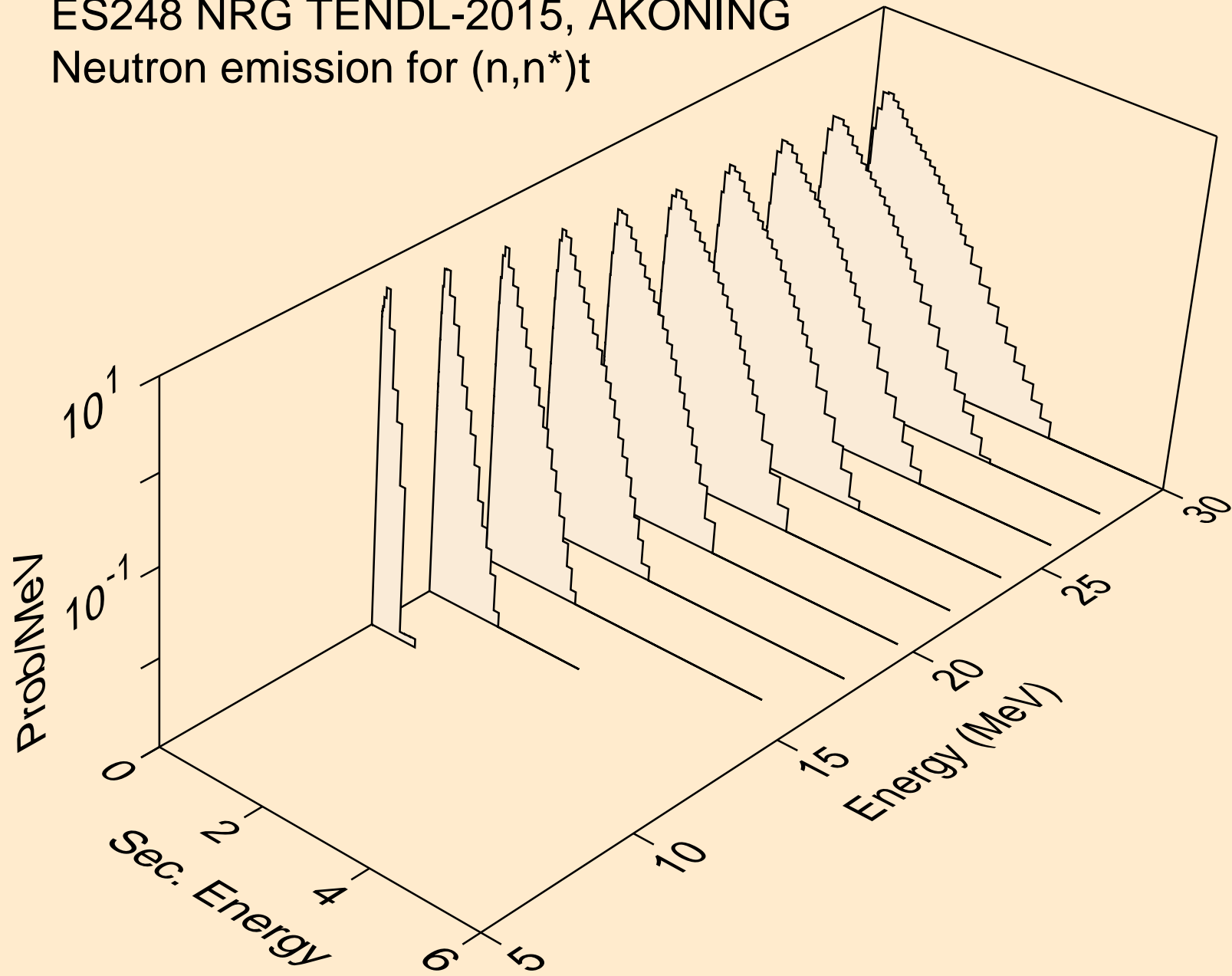




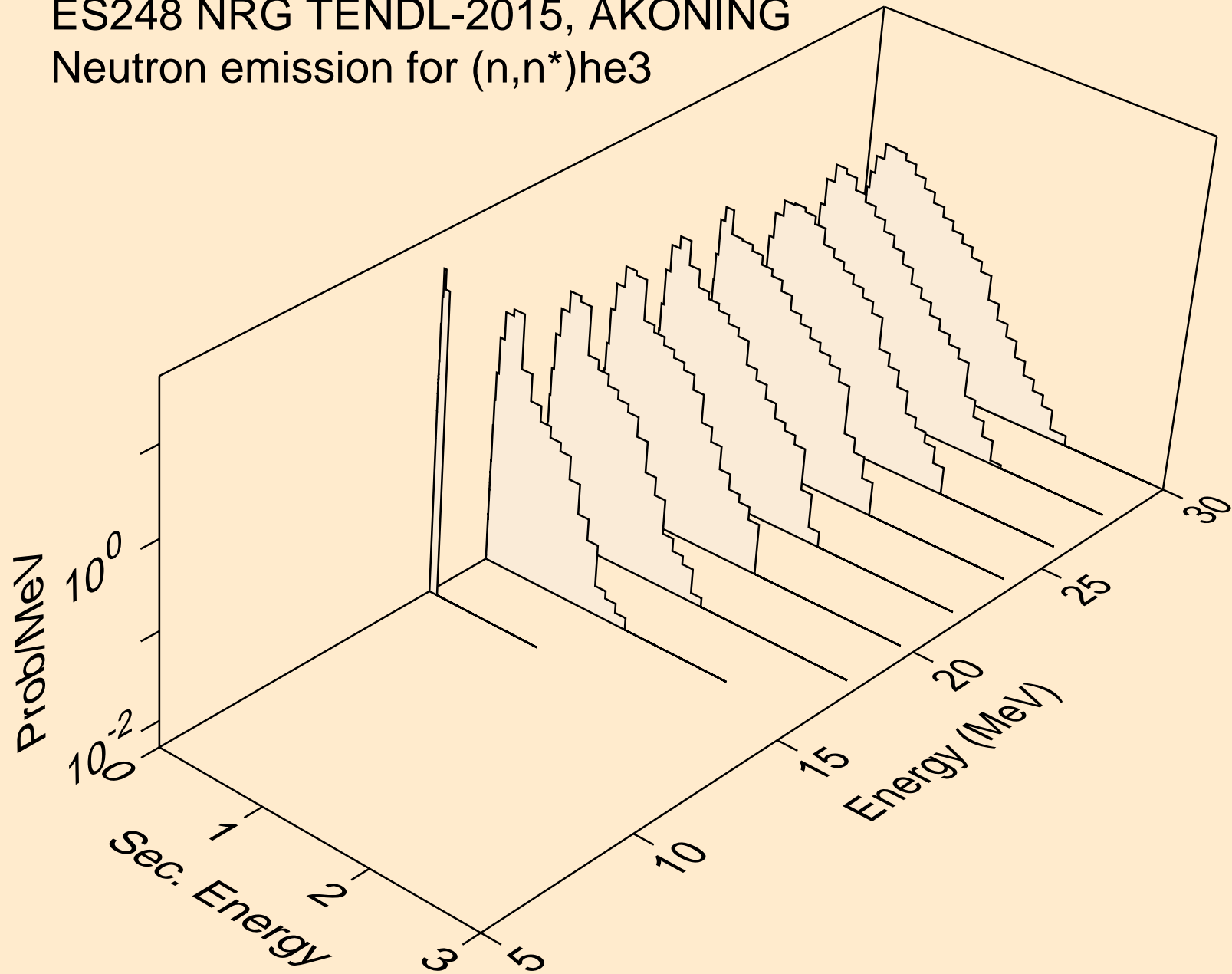
ES248 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



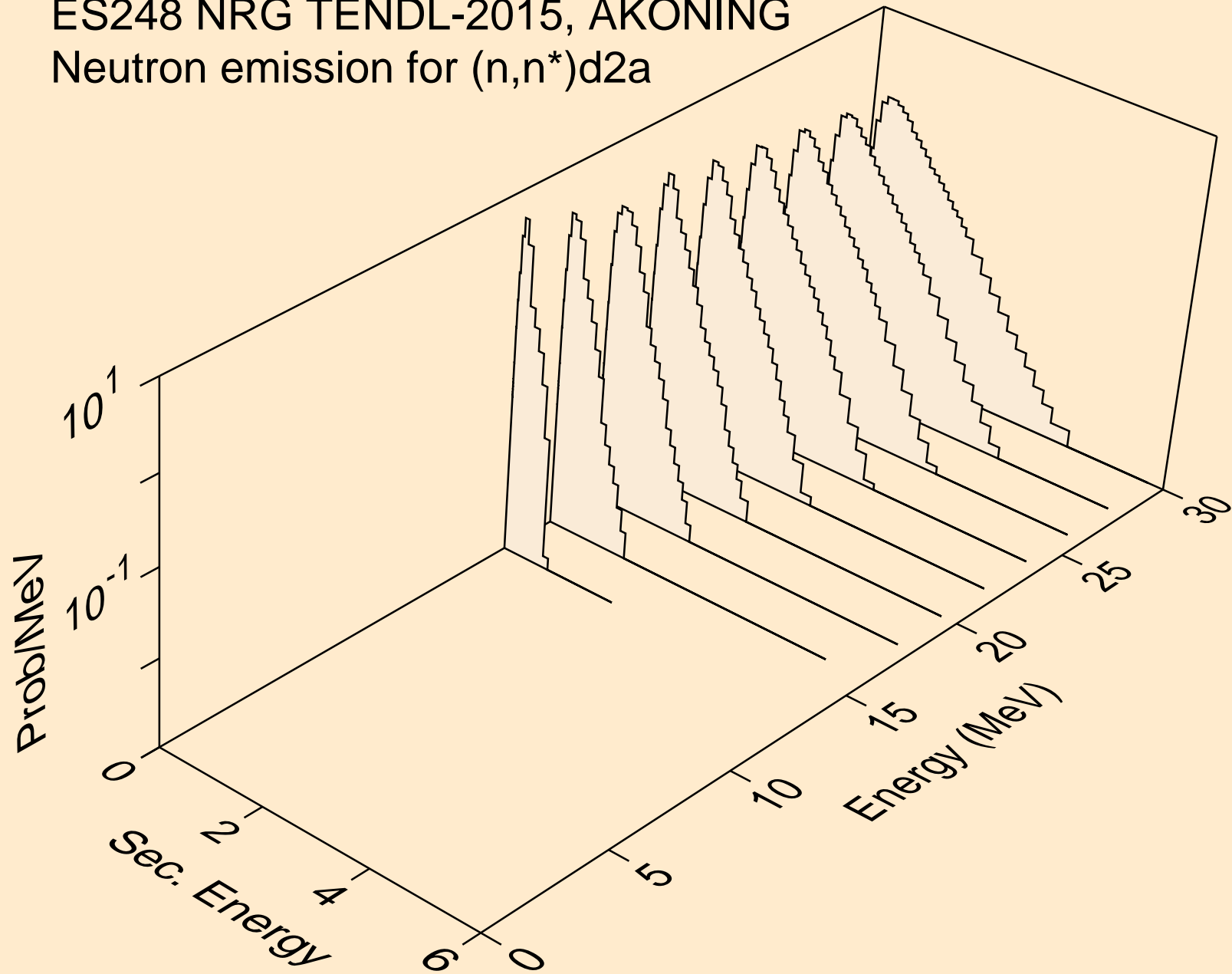
ES248 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



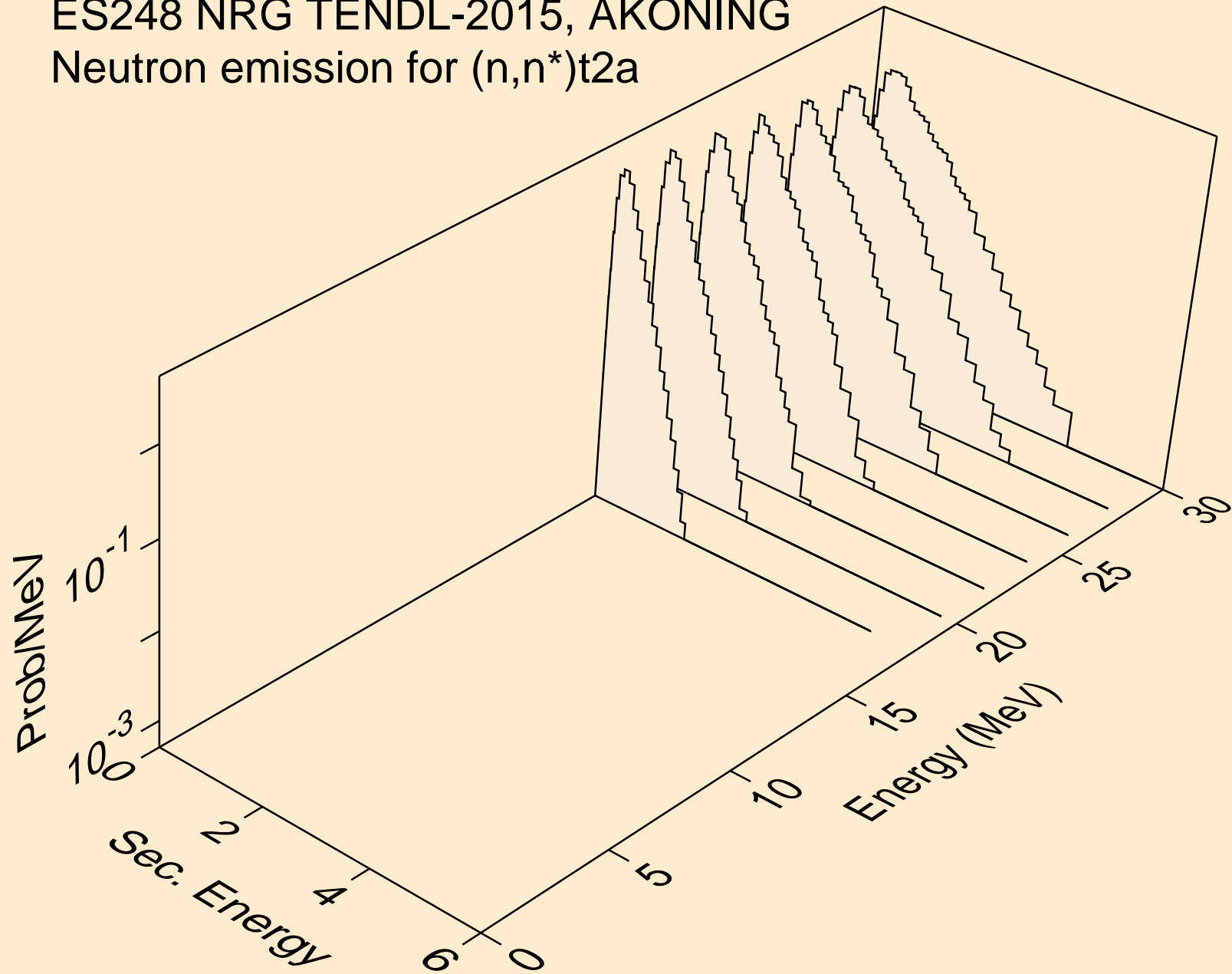
ES248 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



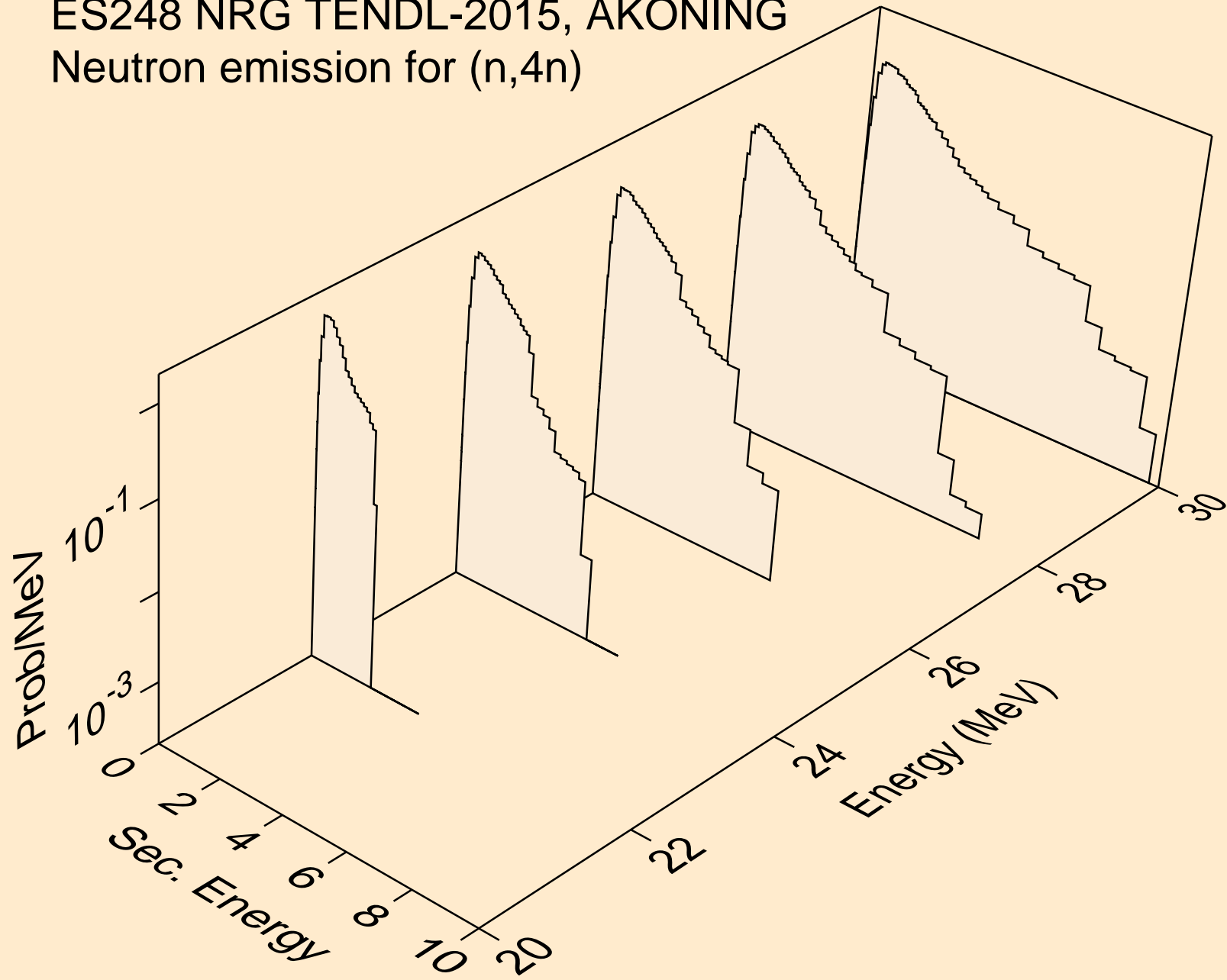
ES248 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d2a



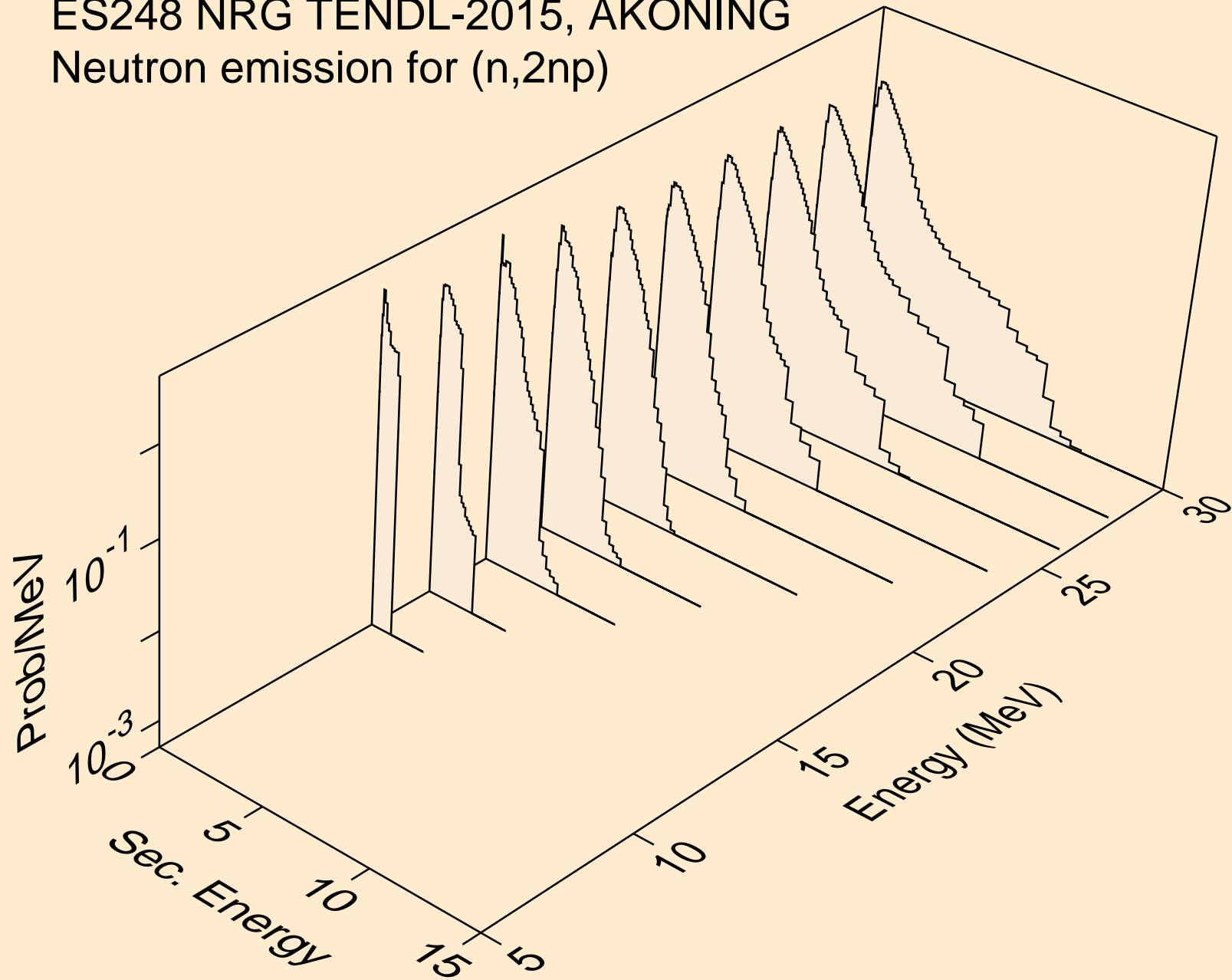
ES248 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t2a



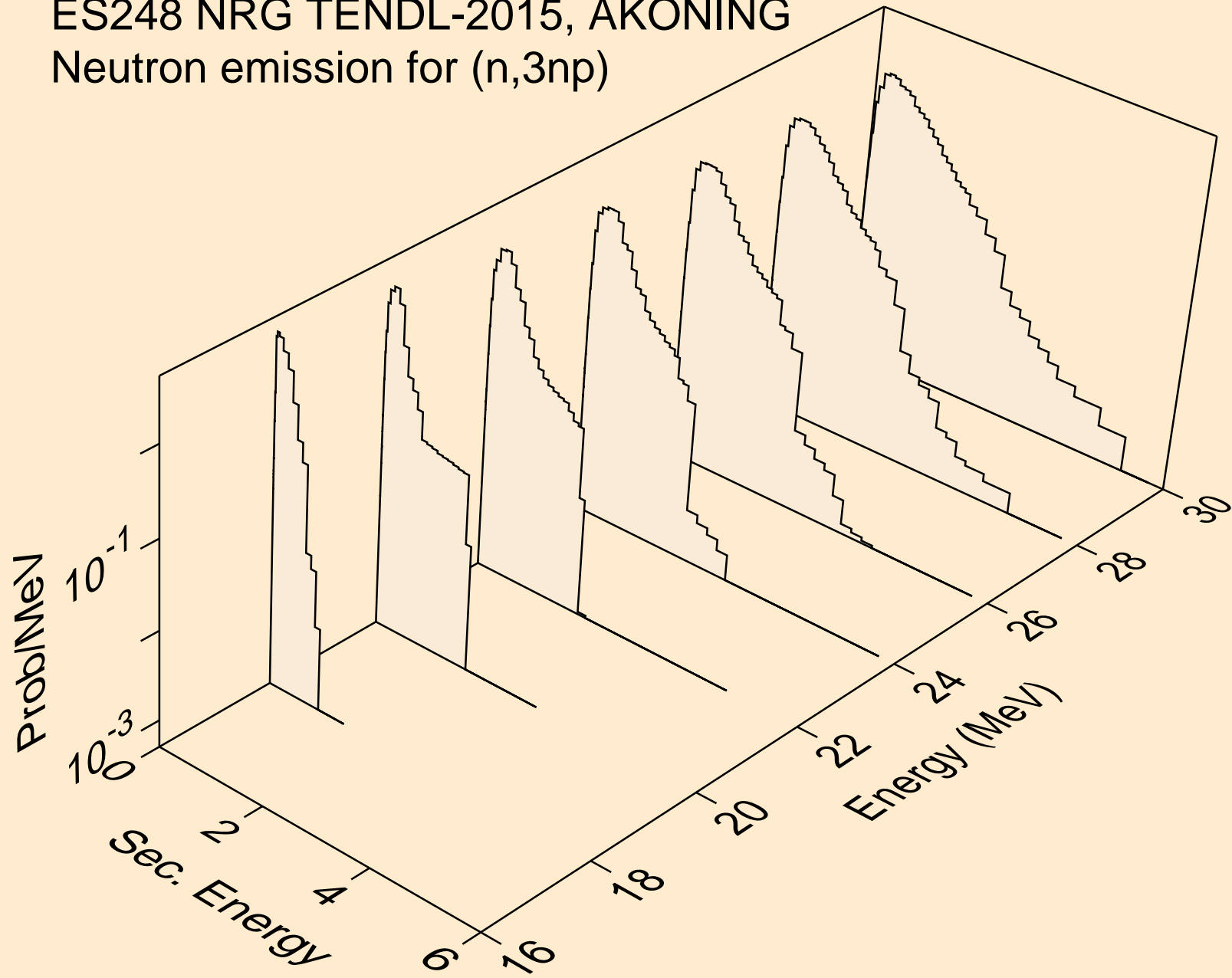
ES248 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



ES248 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)

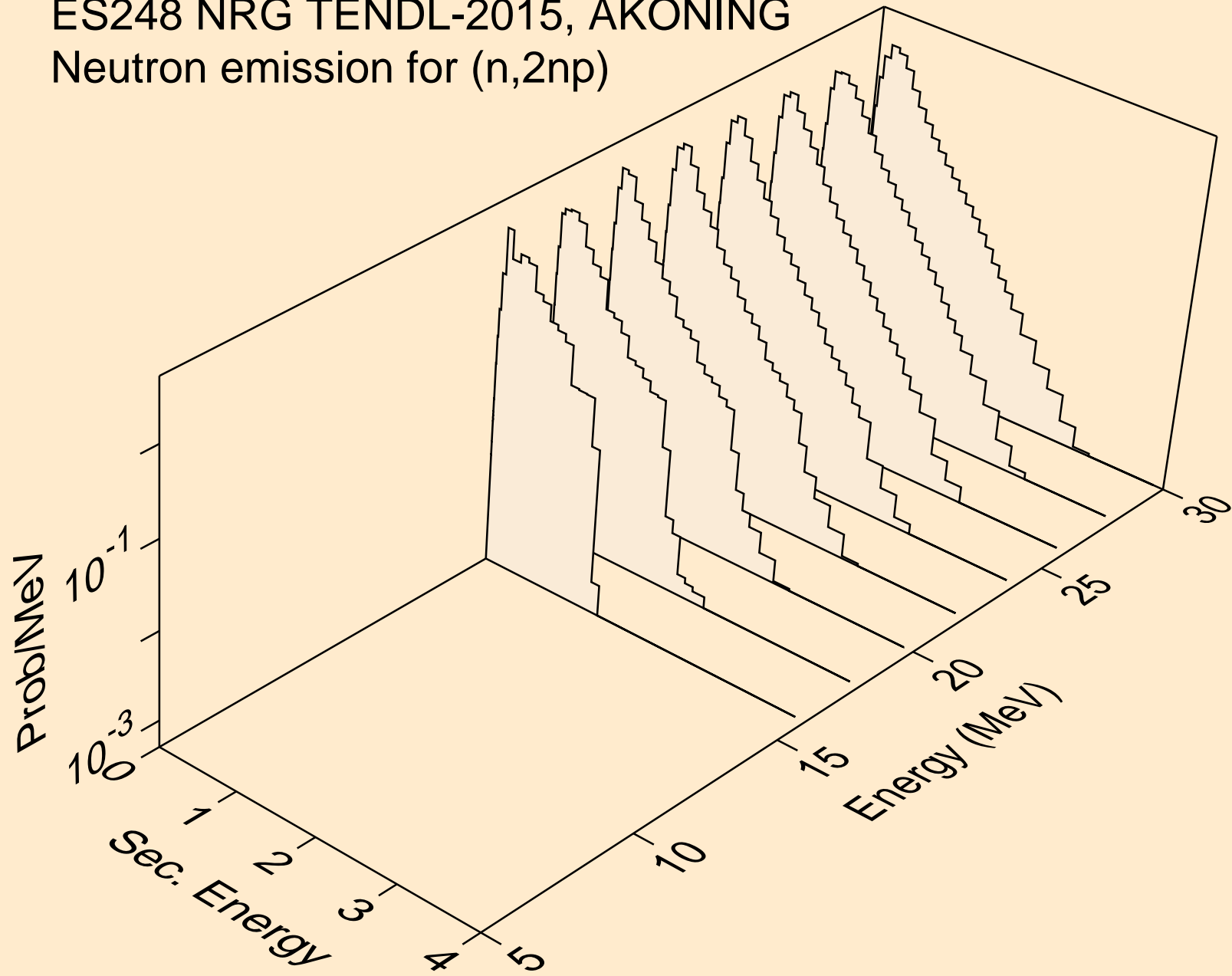


ES248 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)

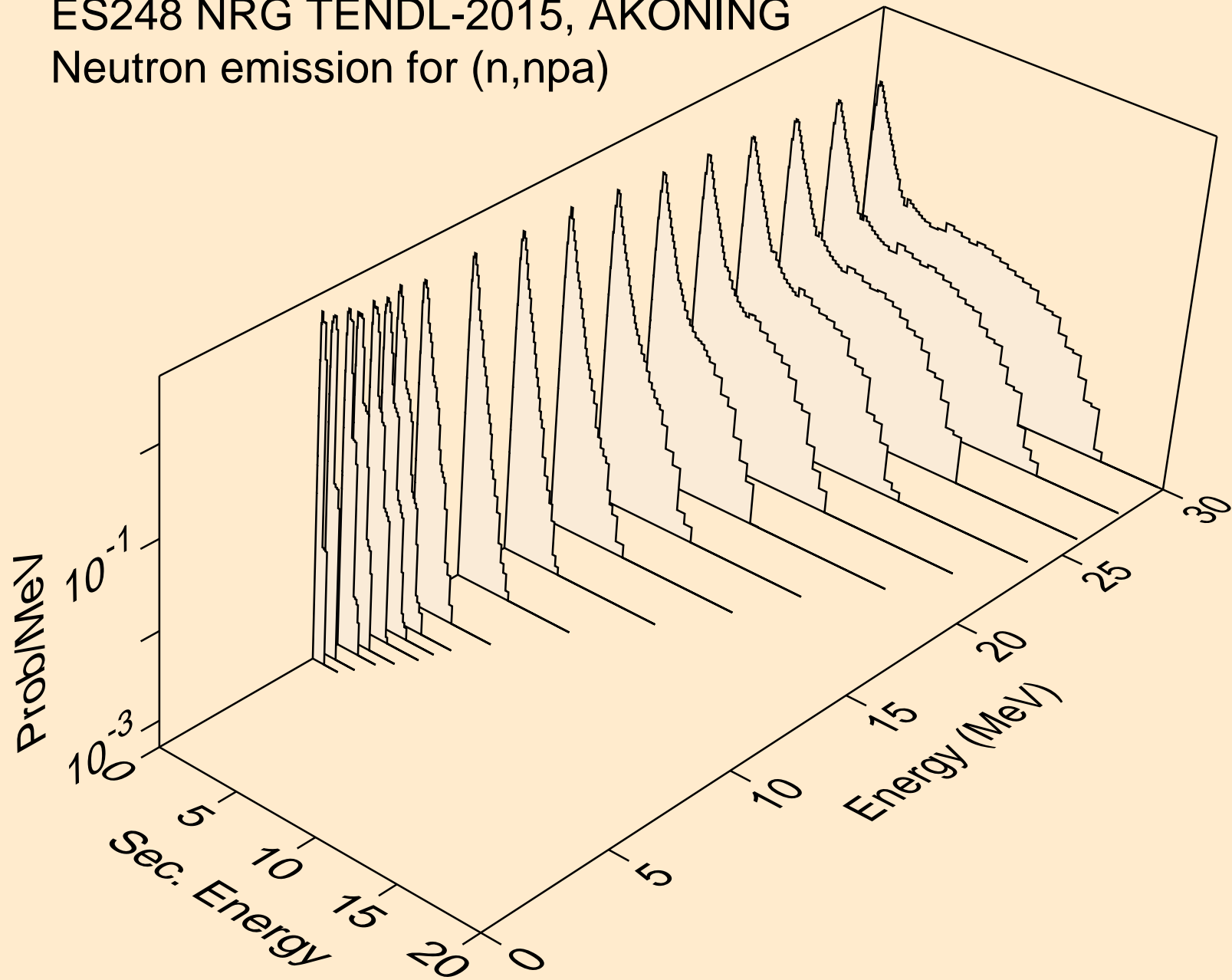




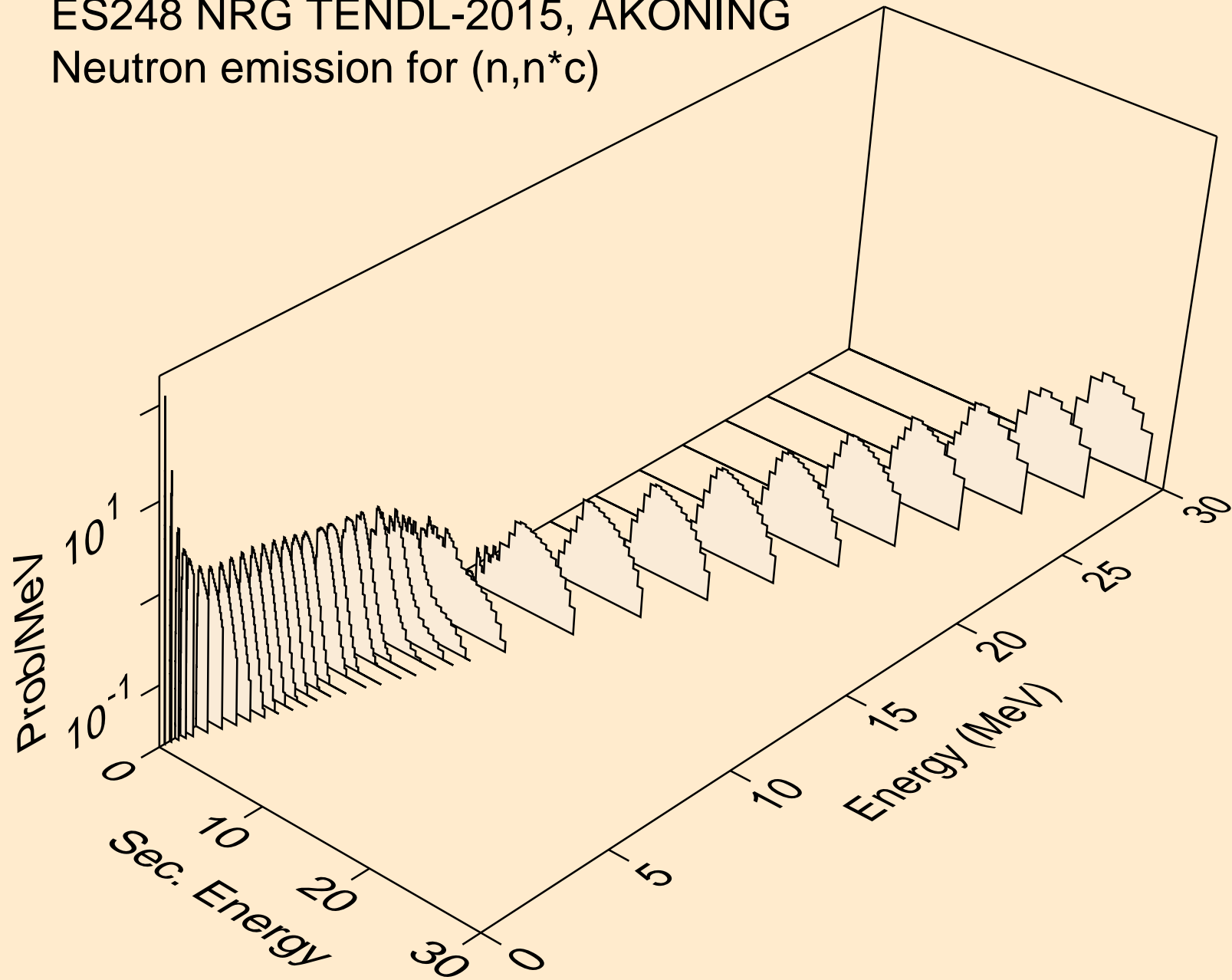
ES248 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



ES248 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)

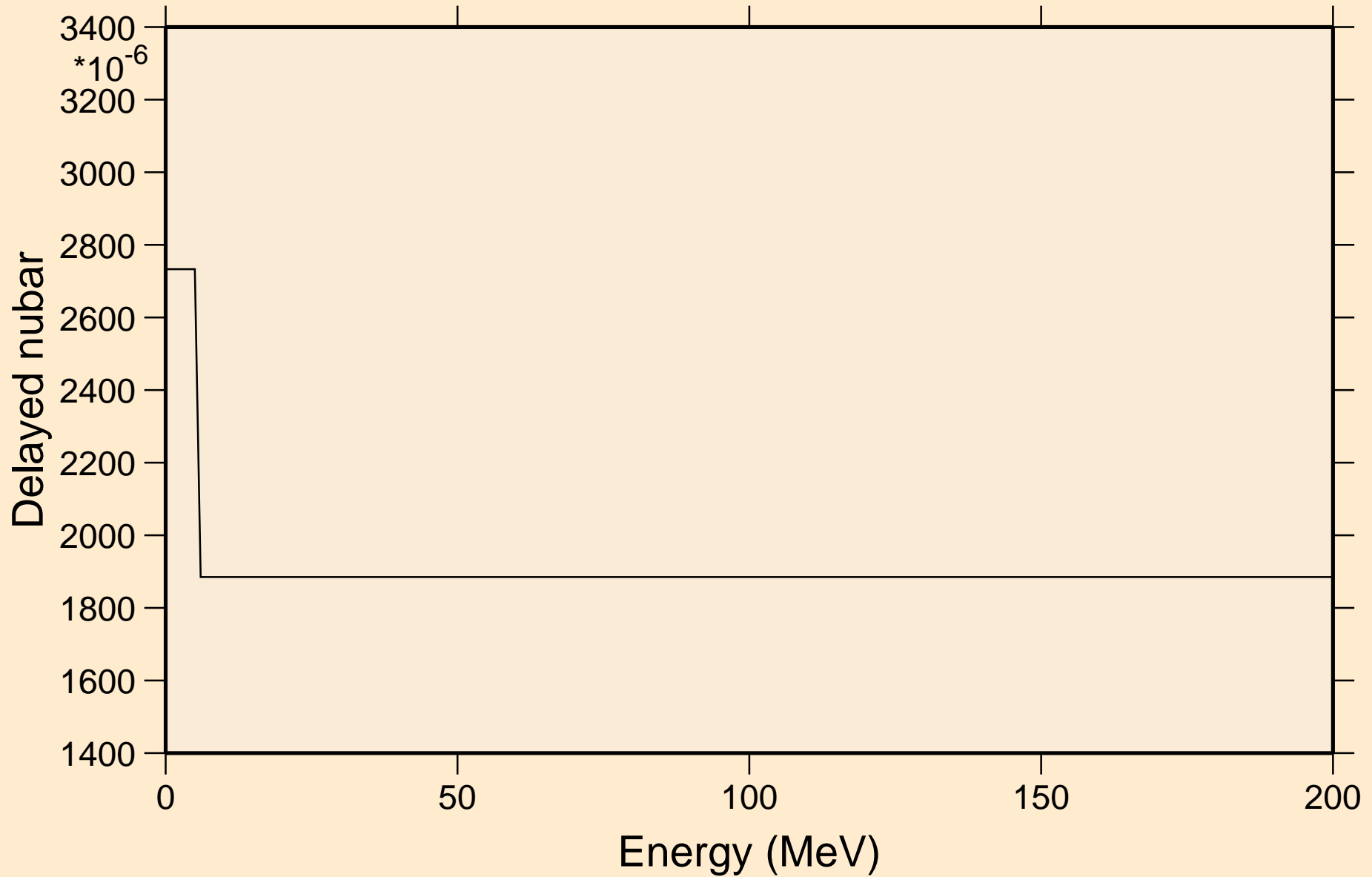


ES248 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



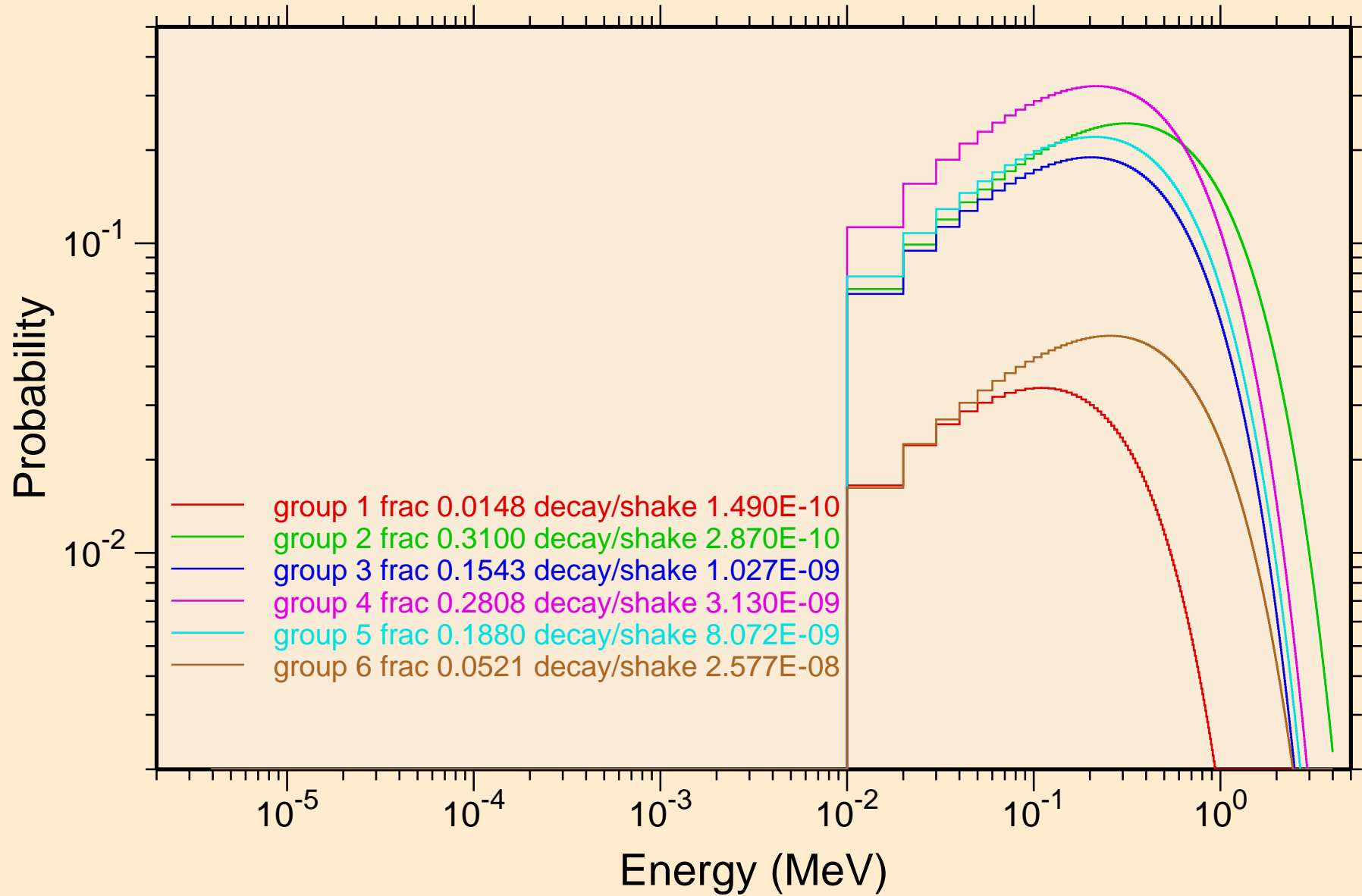
# ES248 NRG TENDL-2015, AKONING

Delayed nubar

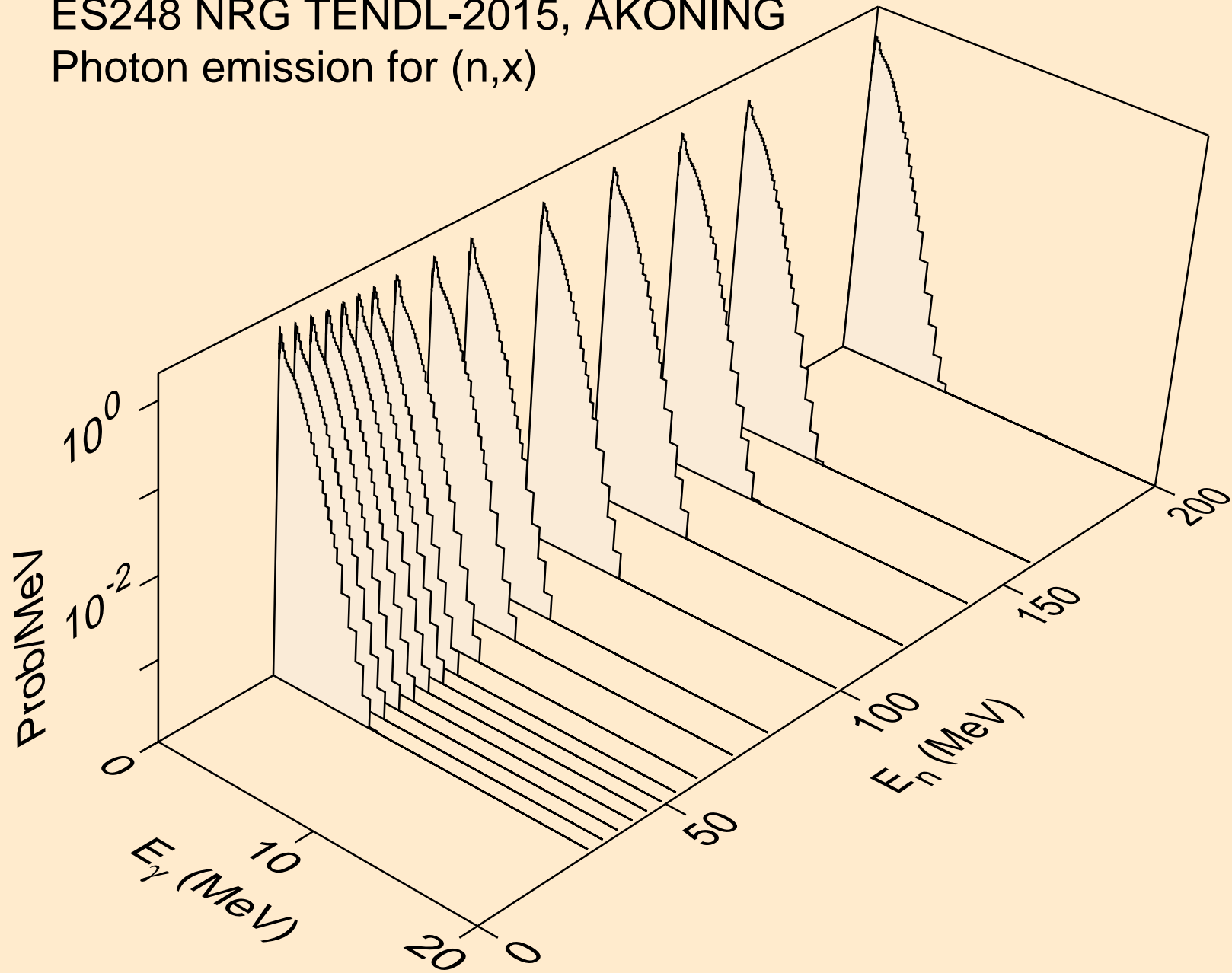


# ES248 NRG TENDL-2015, AKONING

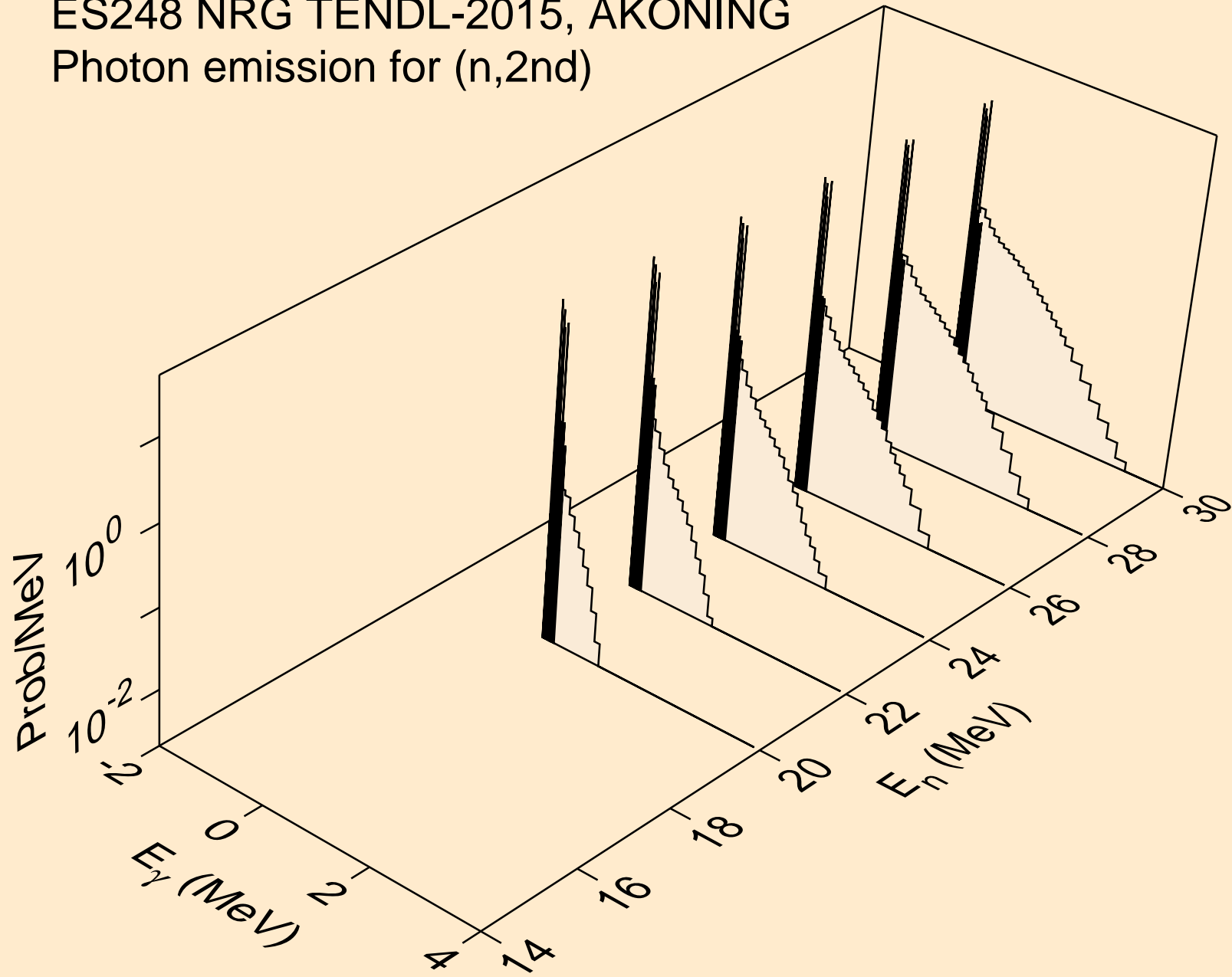
## Delayed neutron spectra



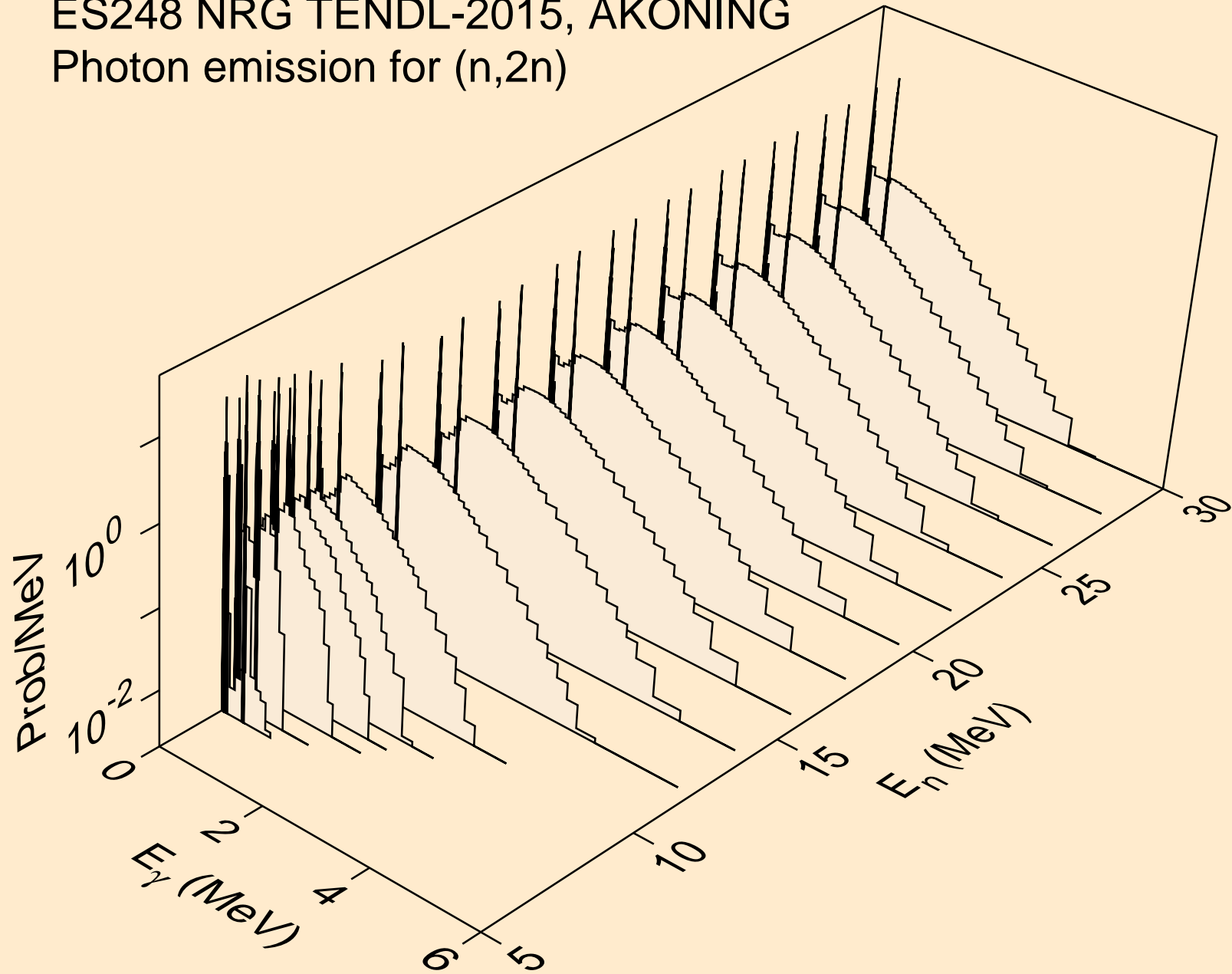
ES248 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



ES248 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)

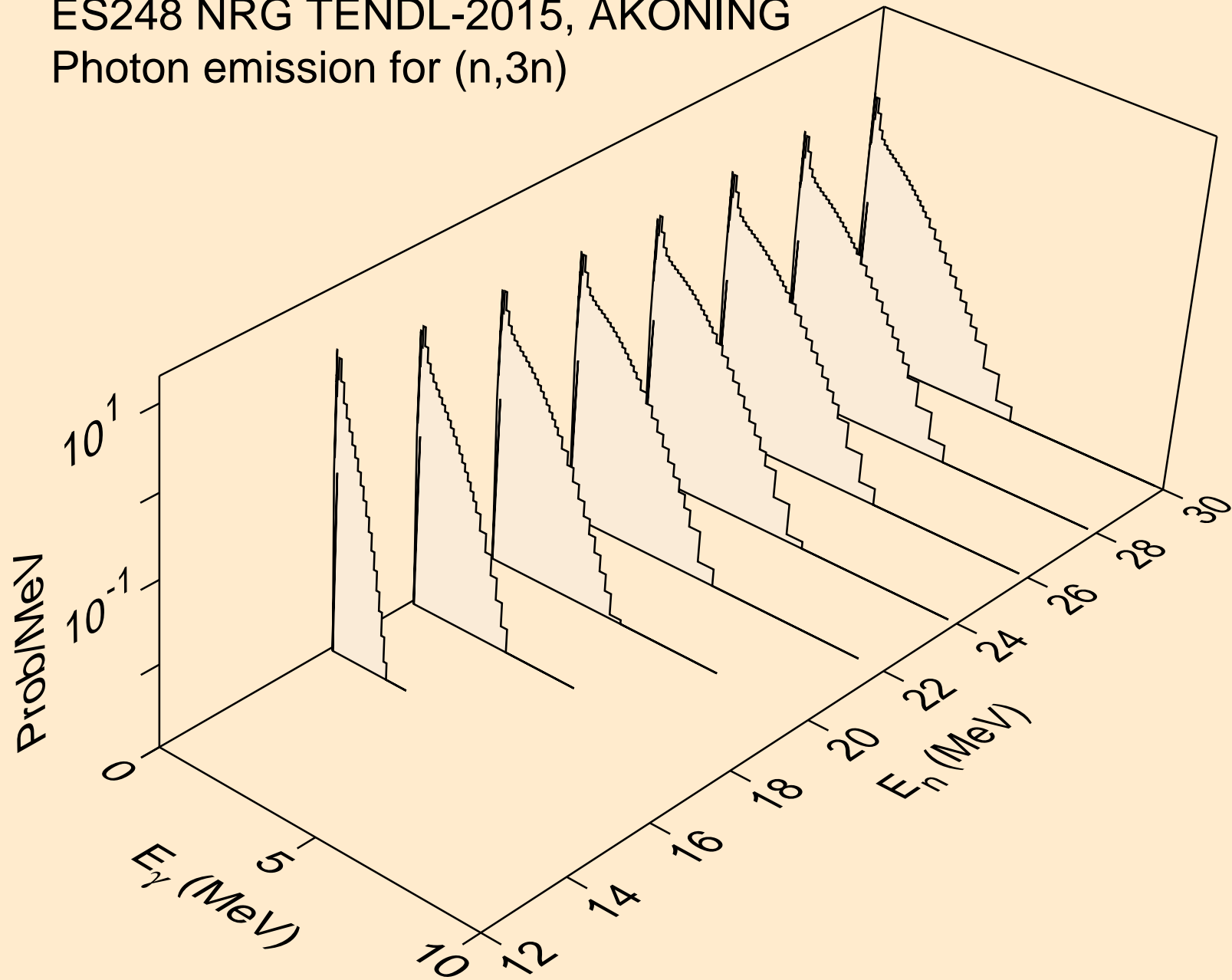


ES248 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)

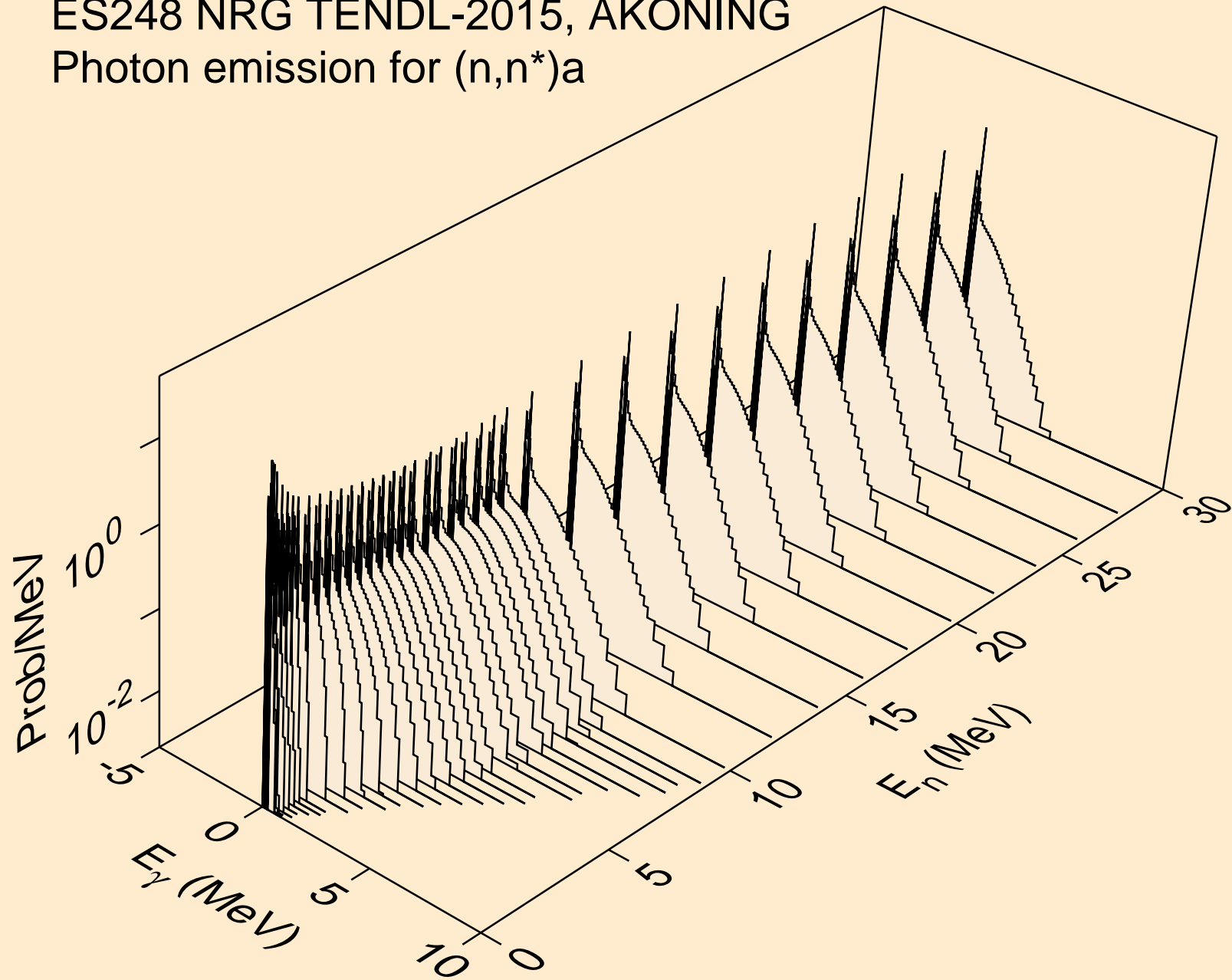




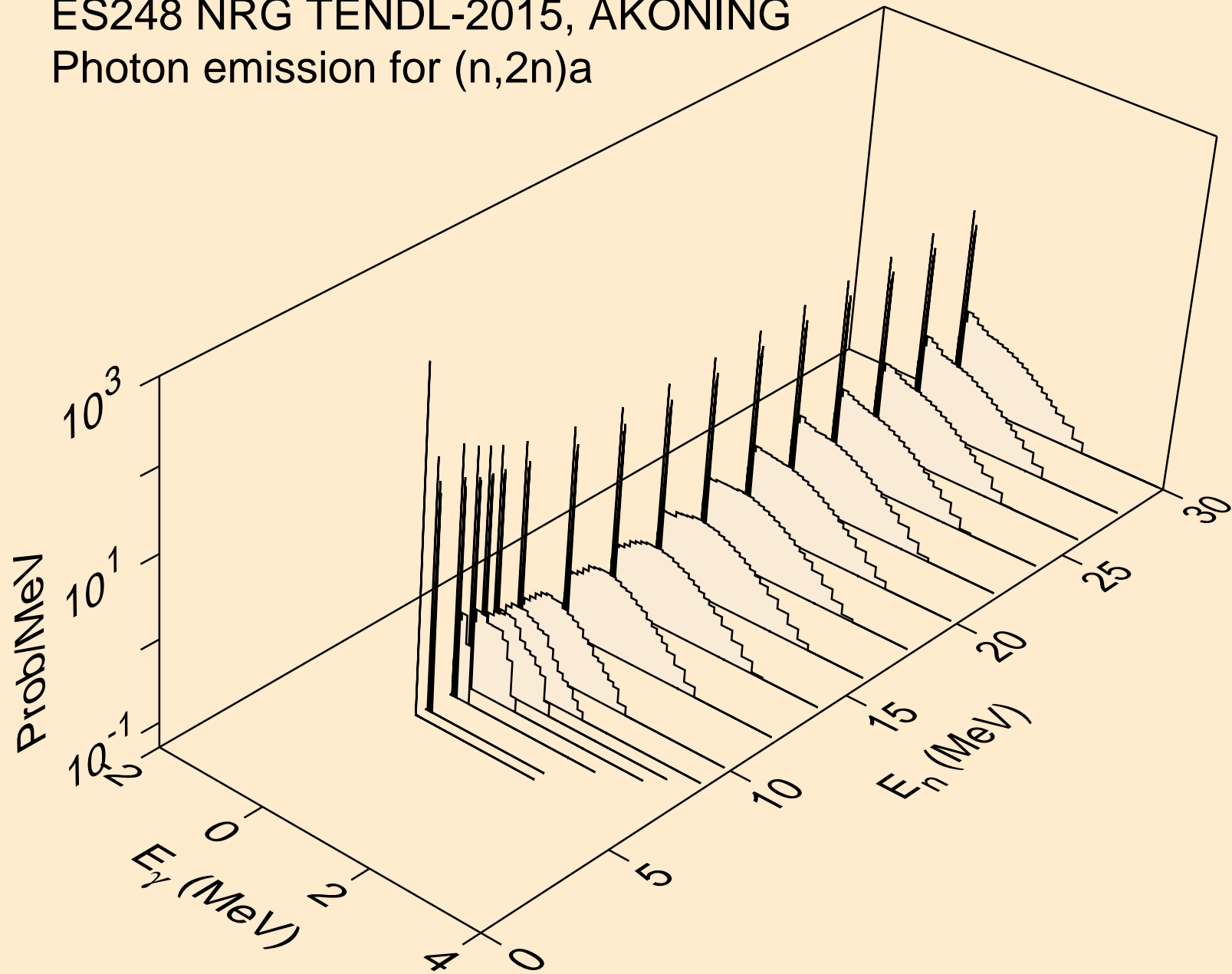
ES248 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



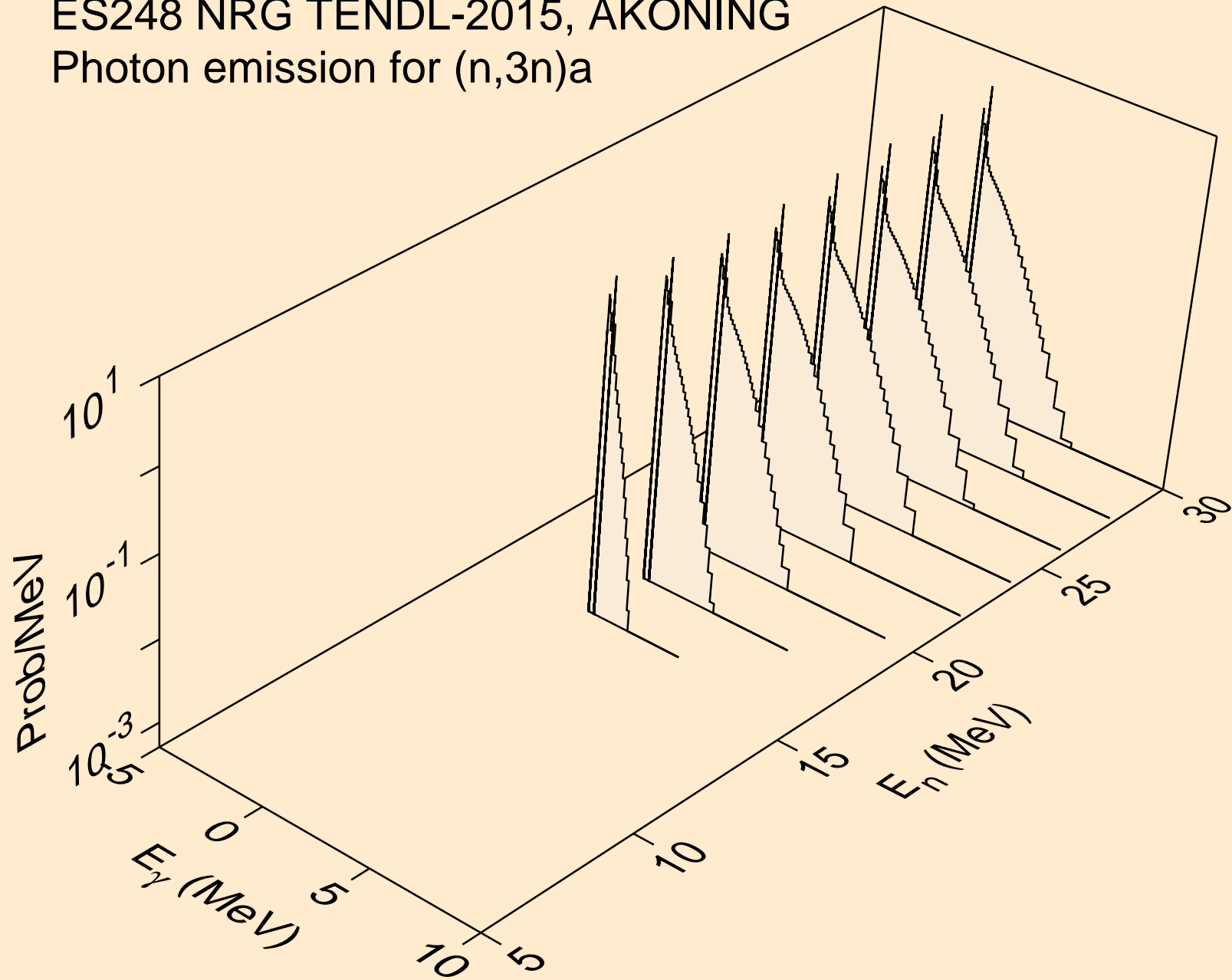
ES248 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



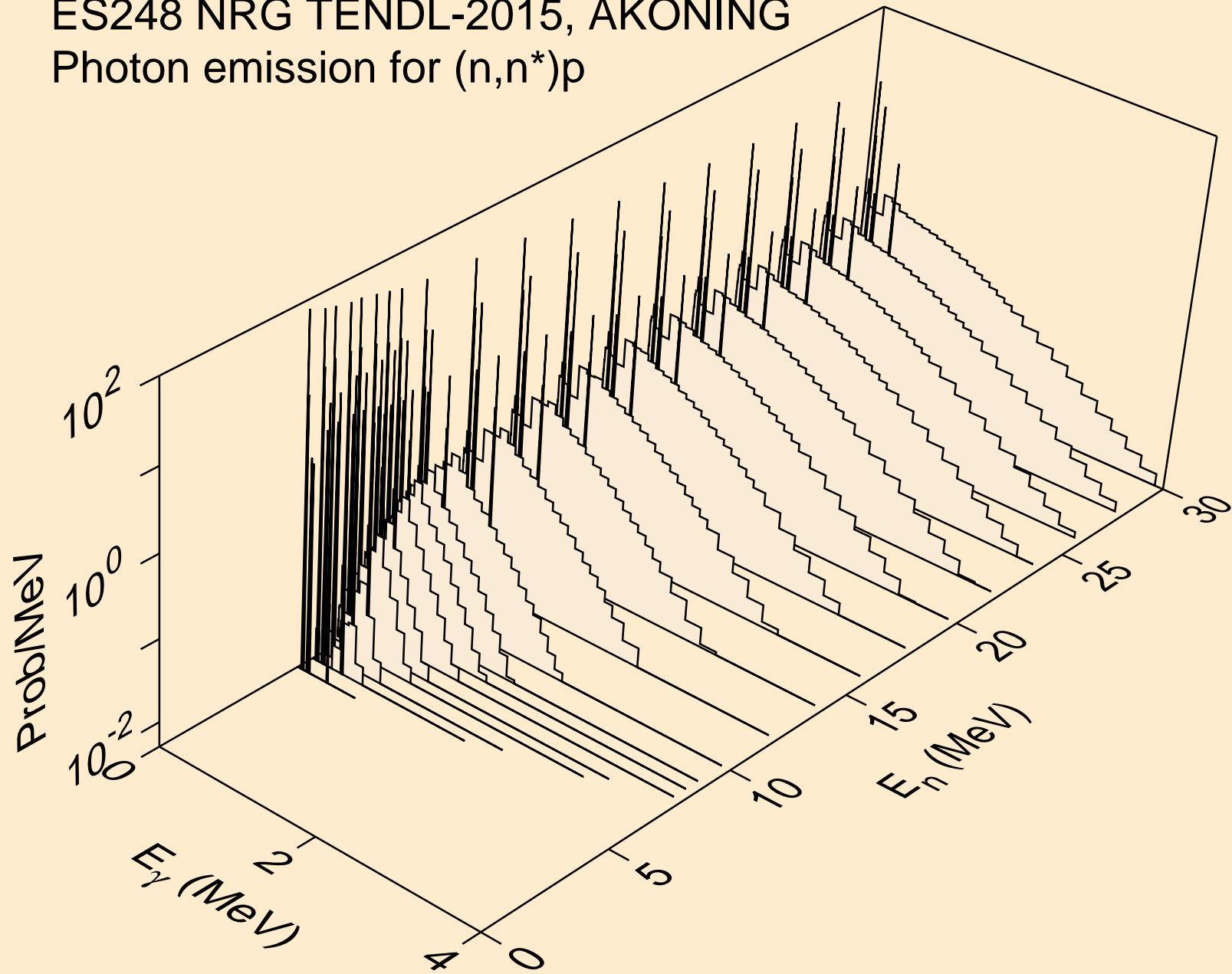
ES248 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



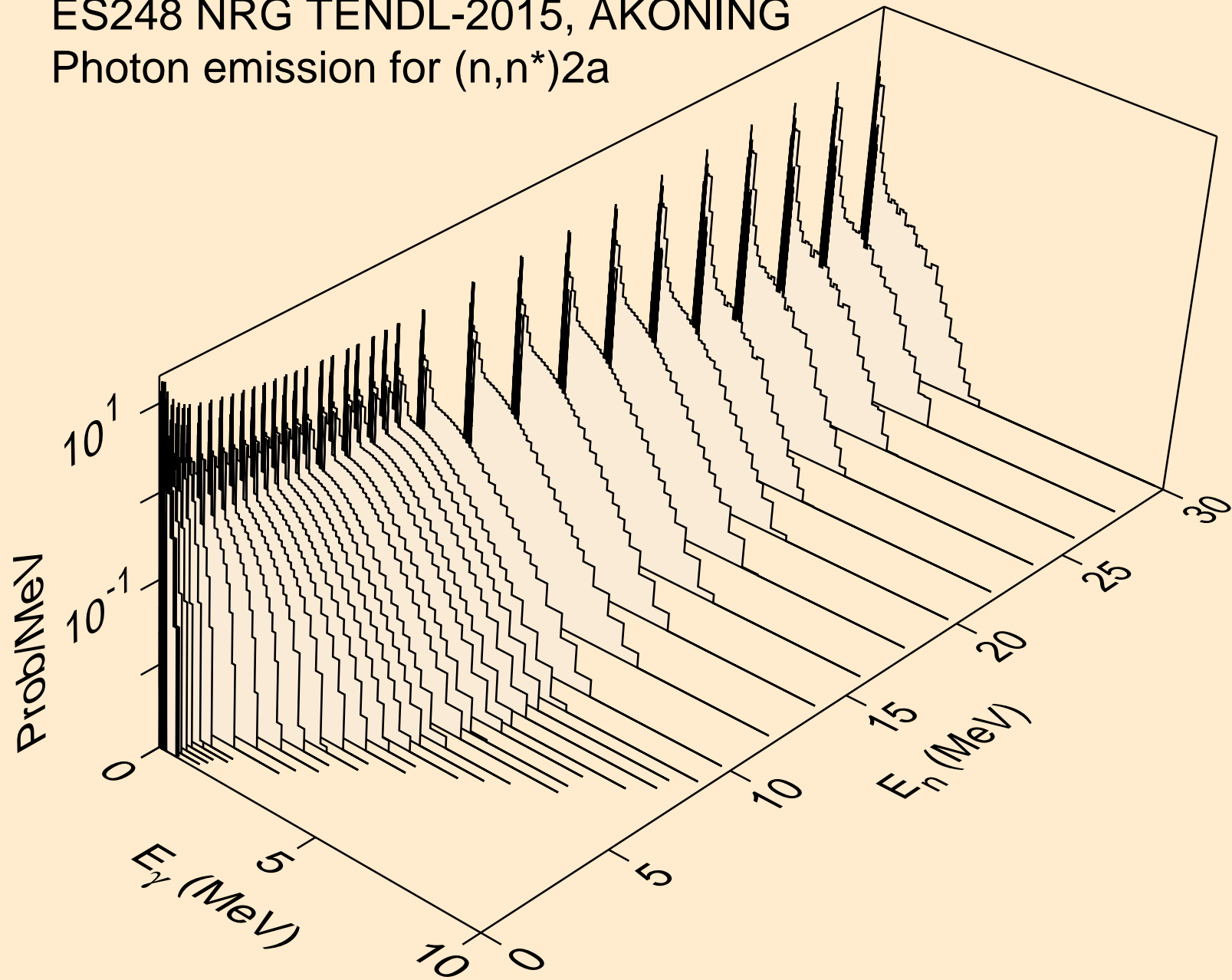
ES248 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



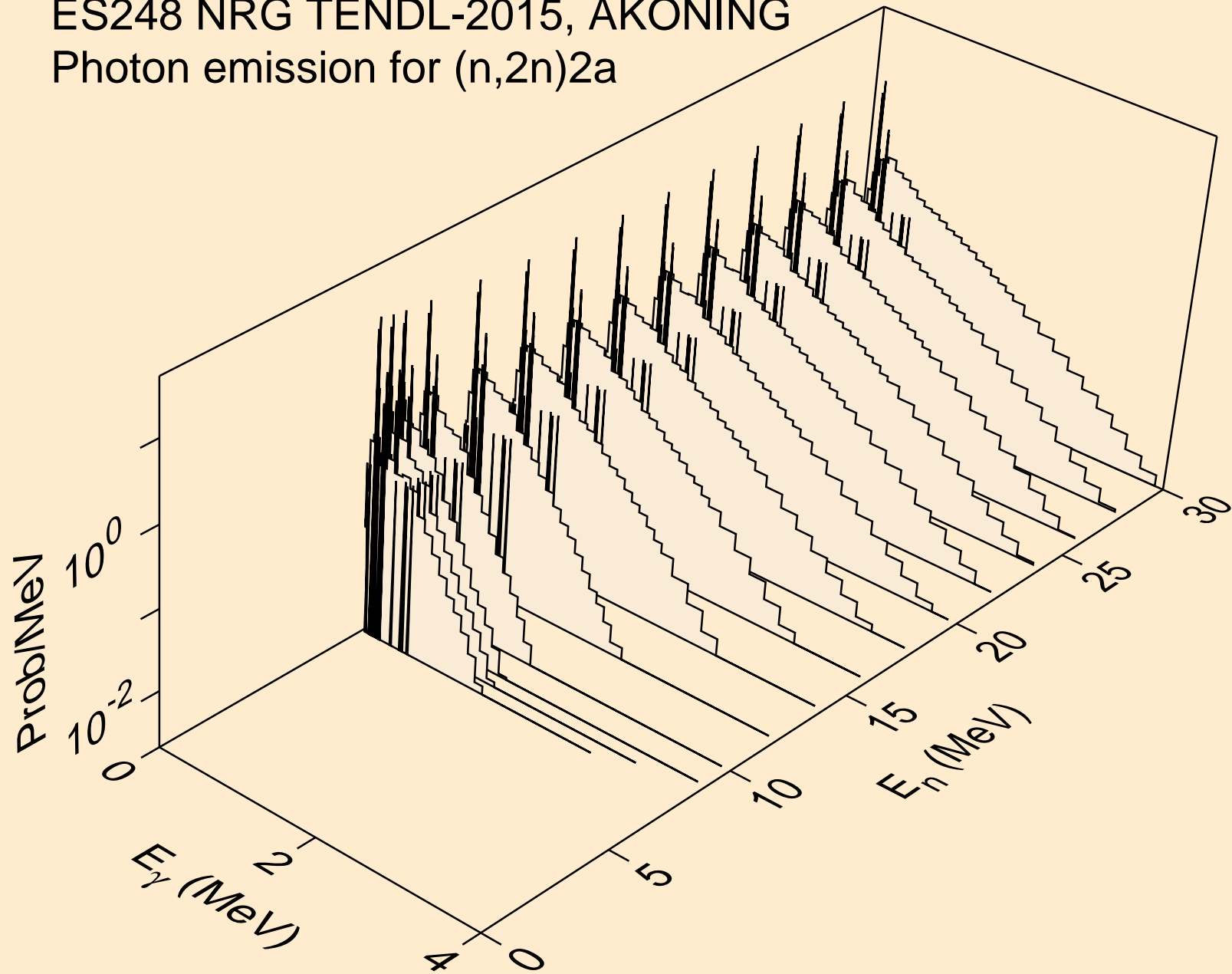
ES248 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



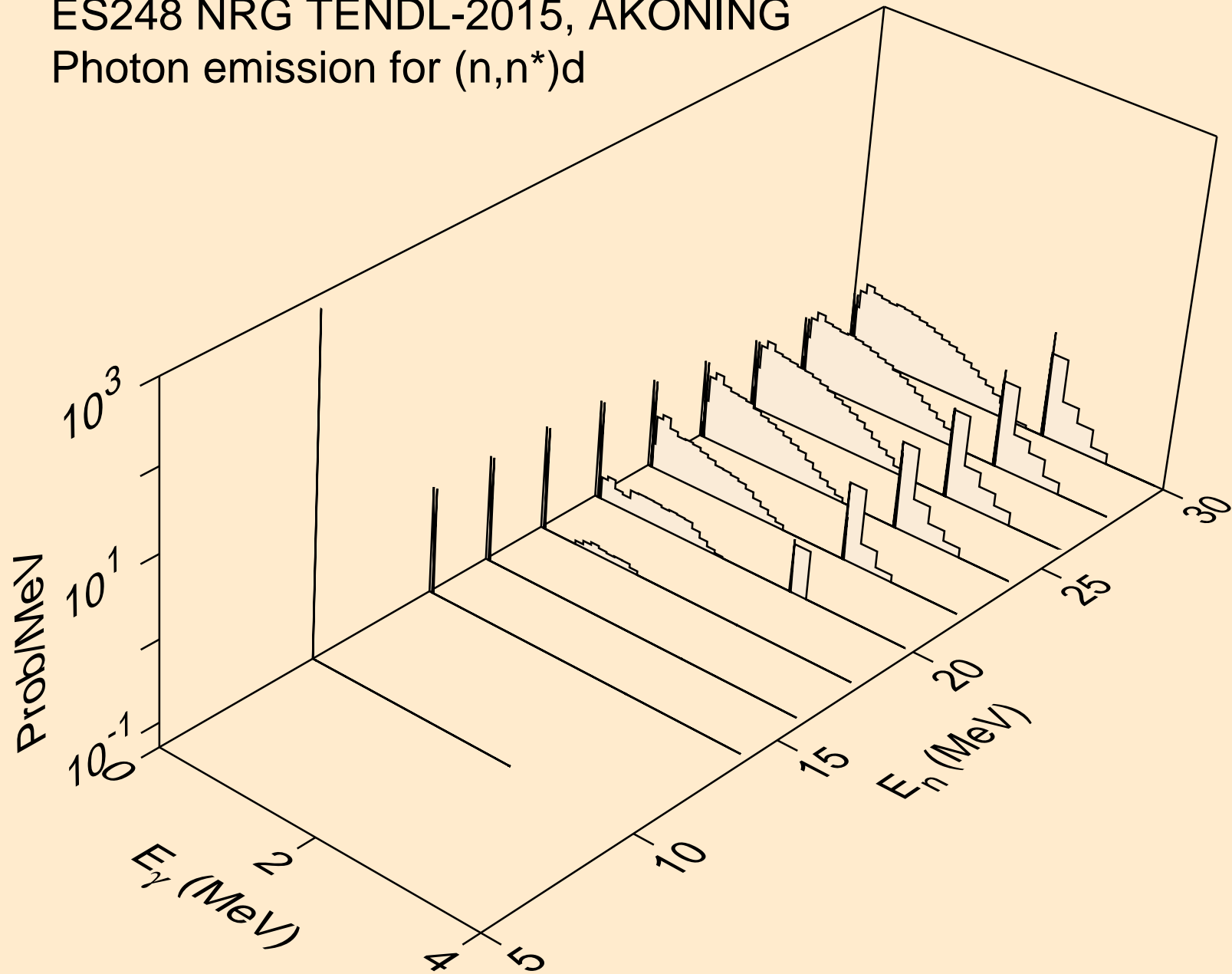
ES248 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



ES248 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a

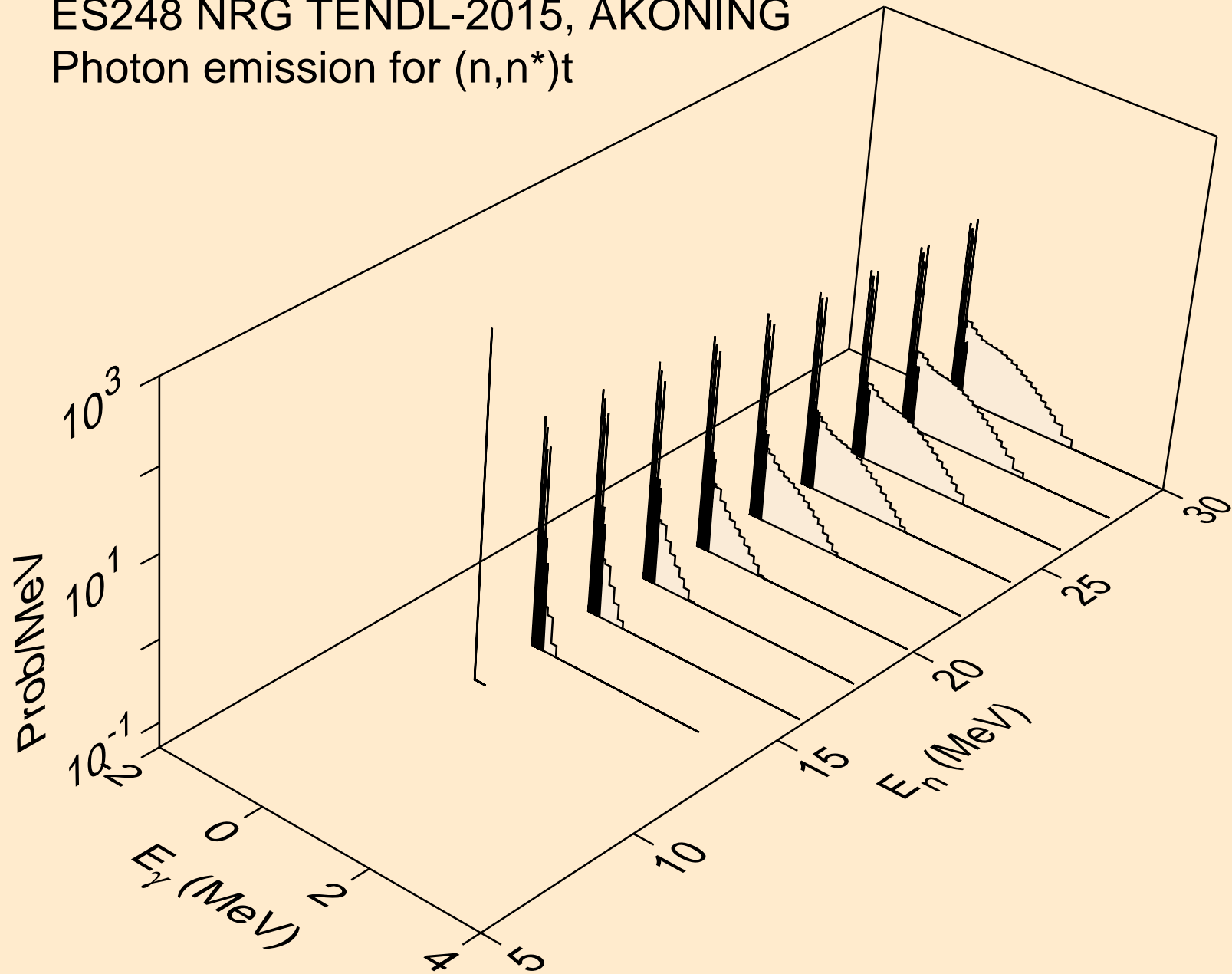


ES248 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d

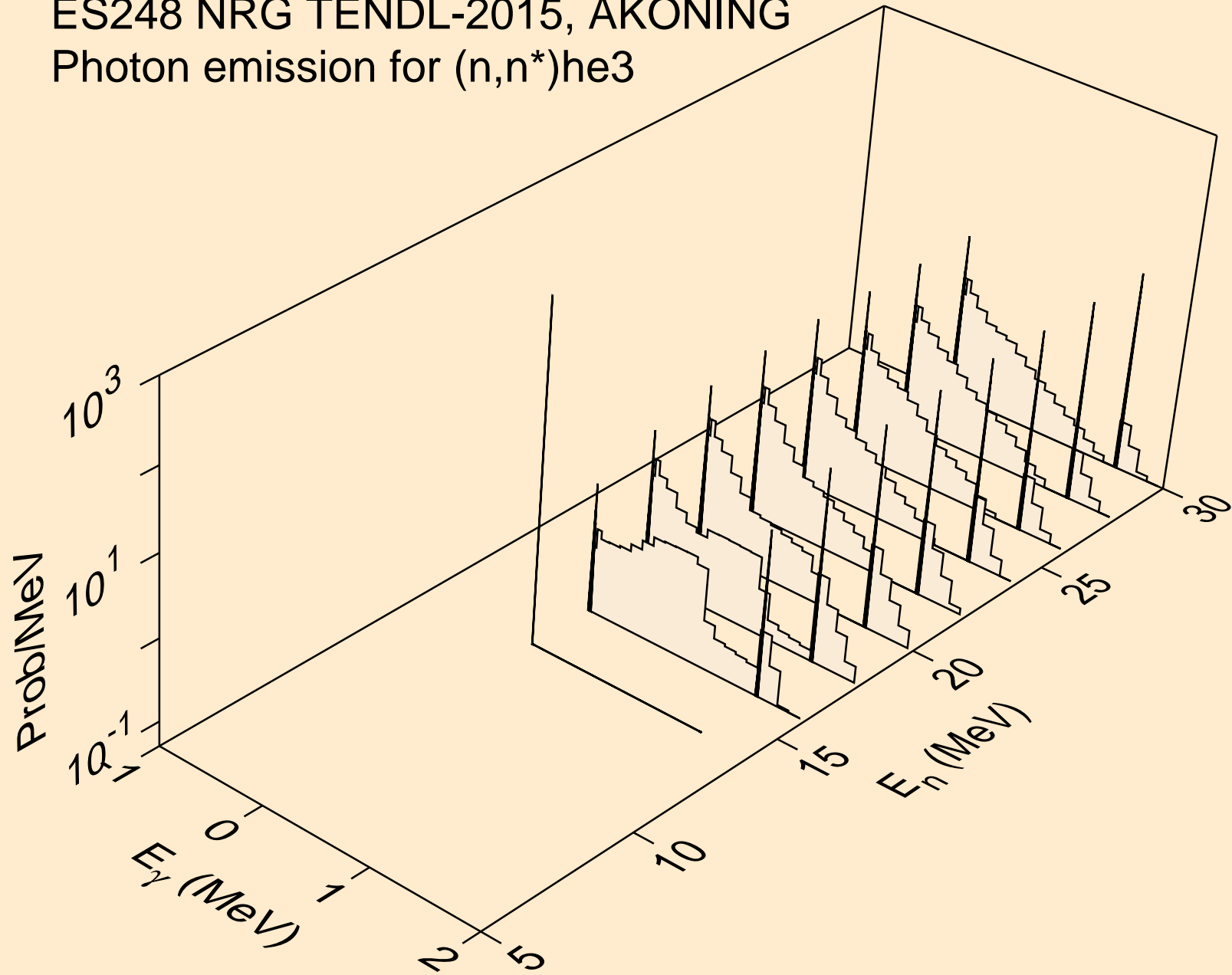




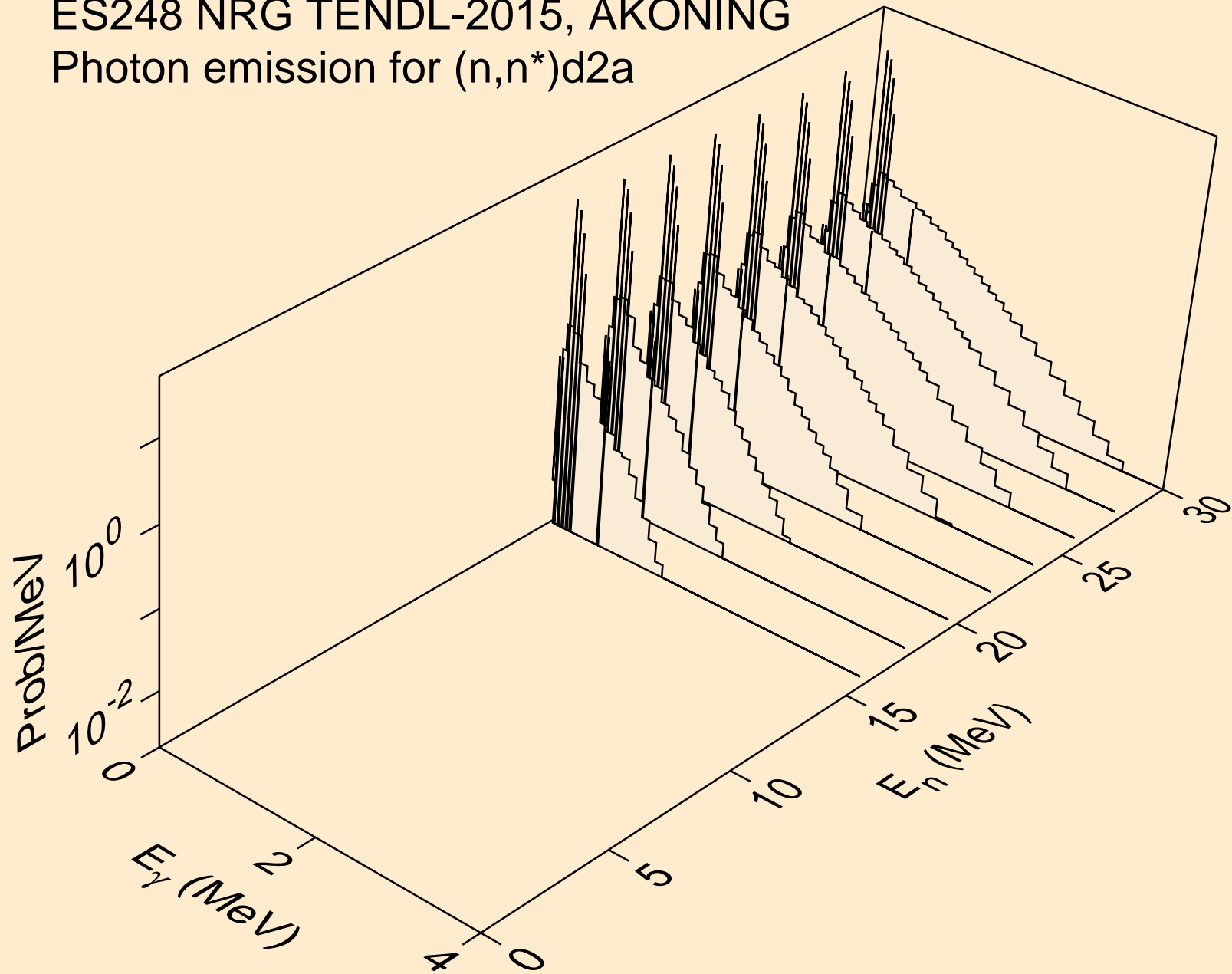
ES248 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



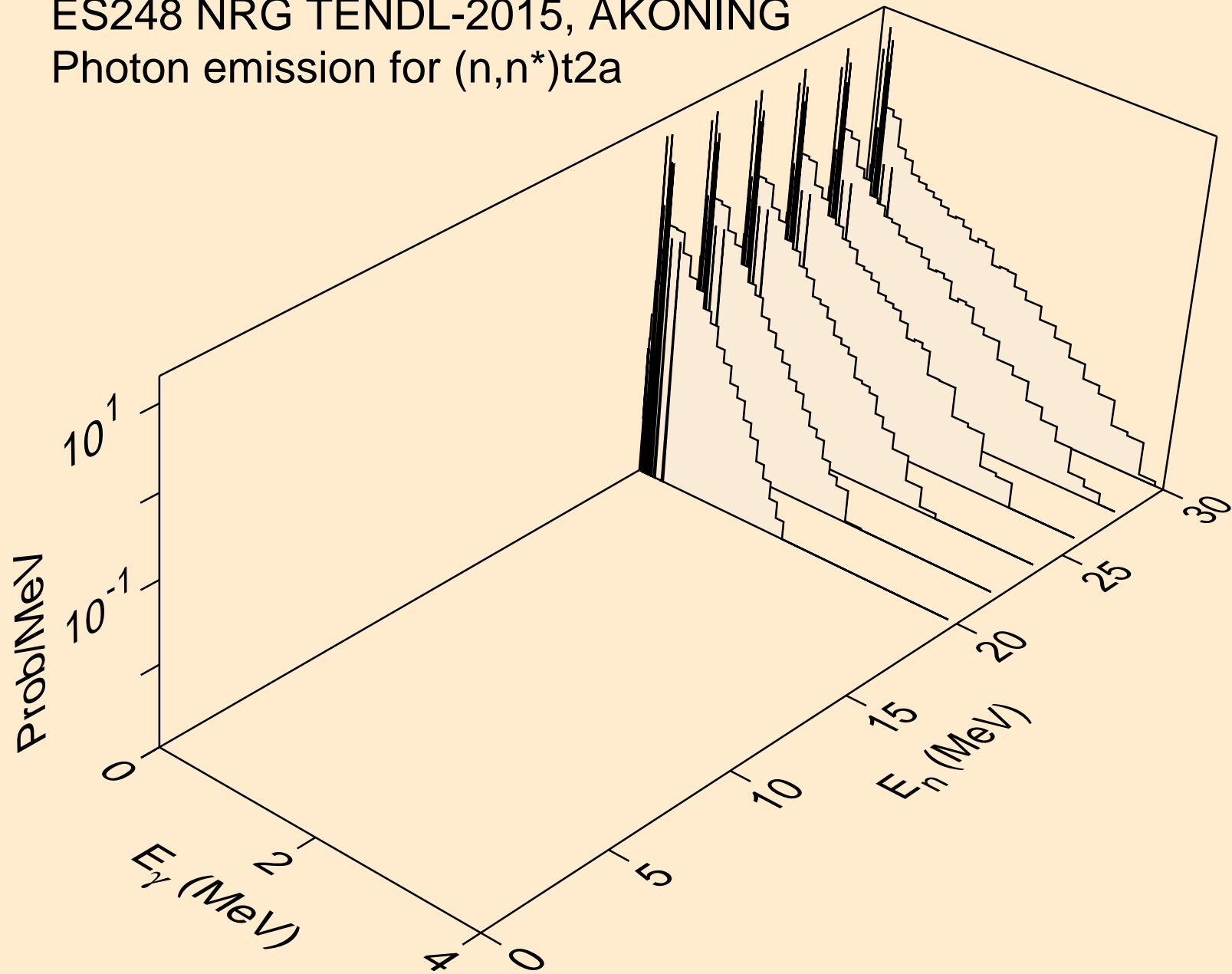
ES248 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



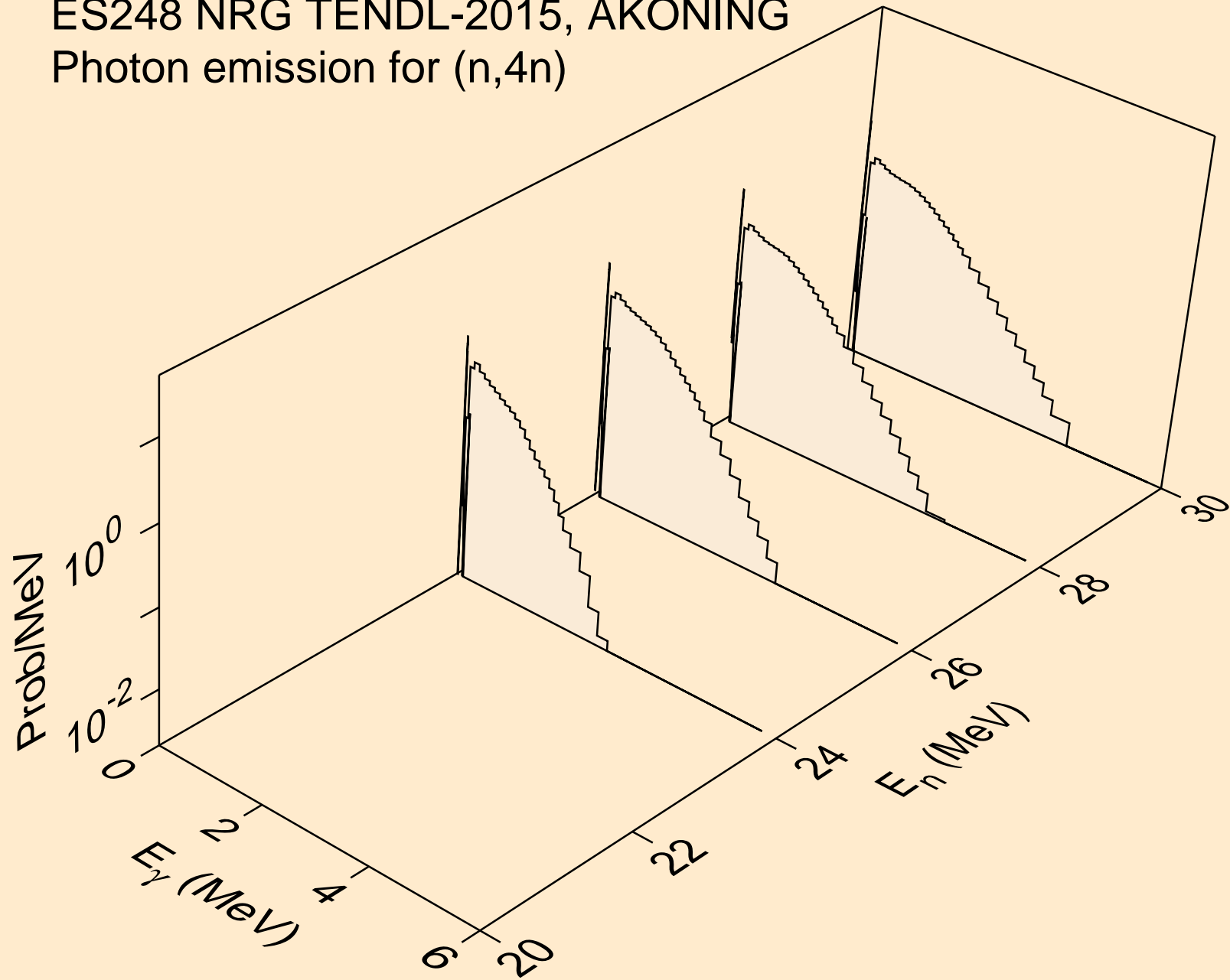
ES248 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d2a



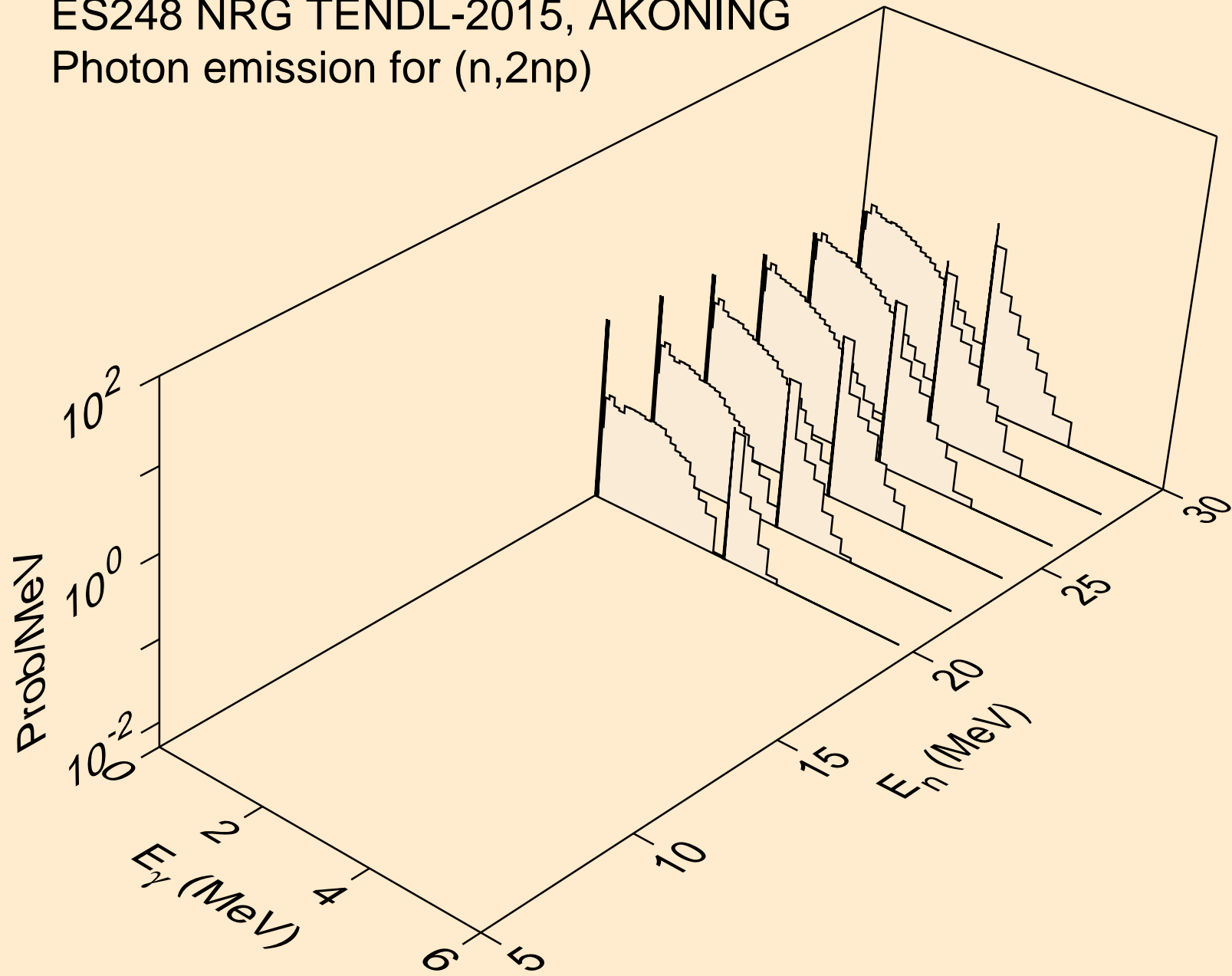
ES248 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t2a



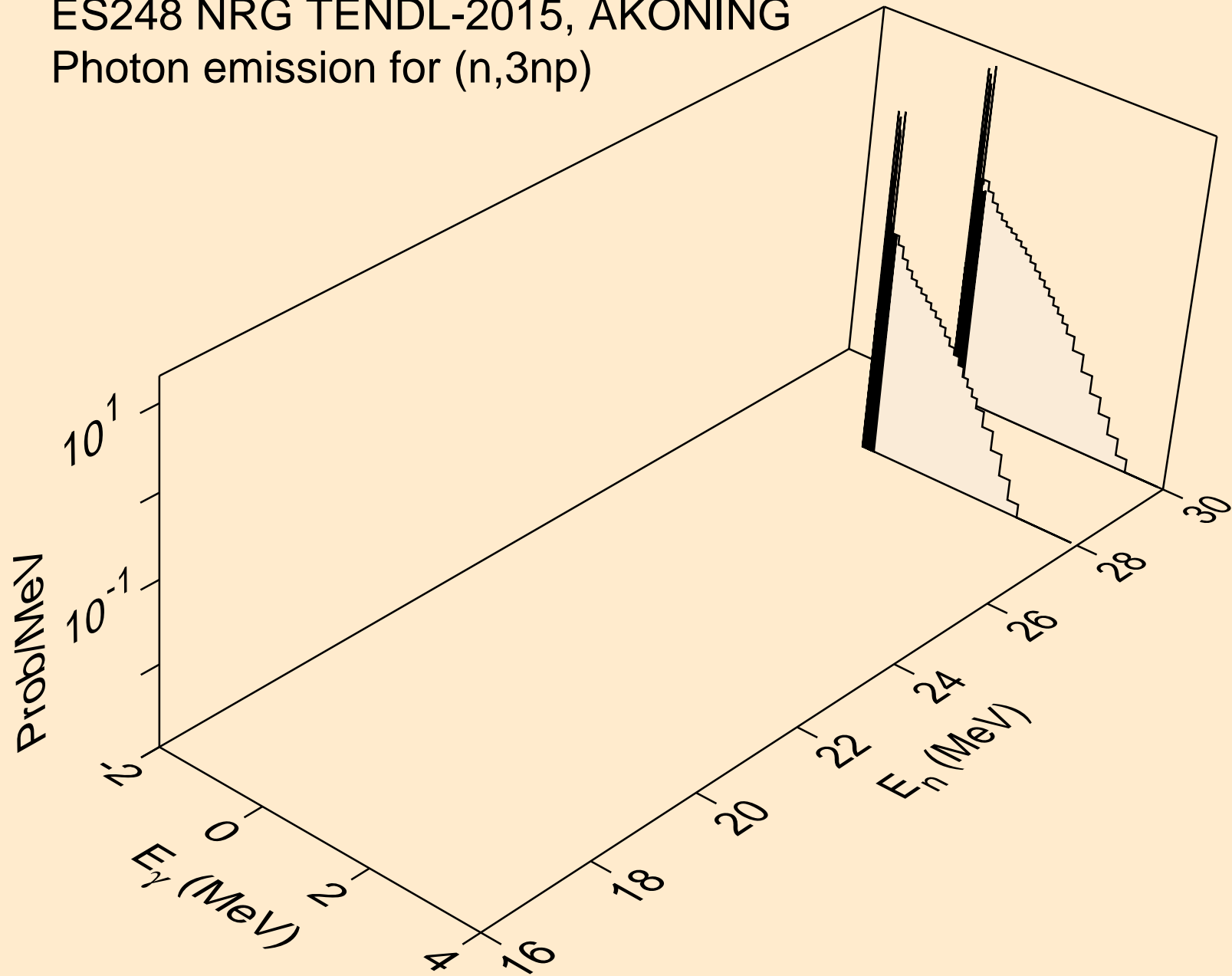
ES248 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



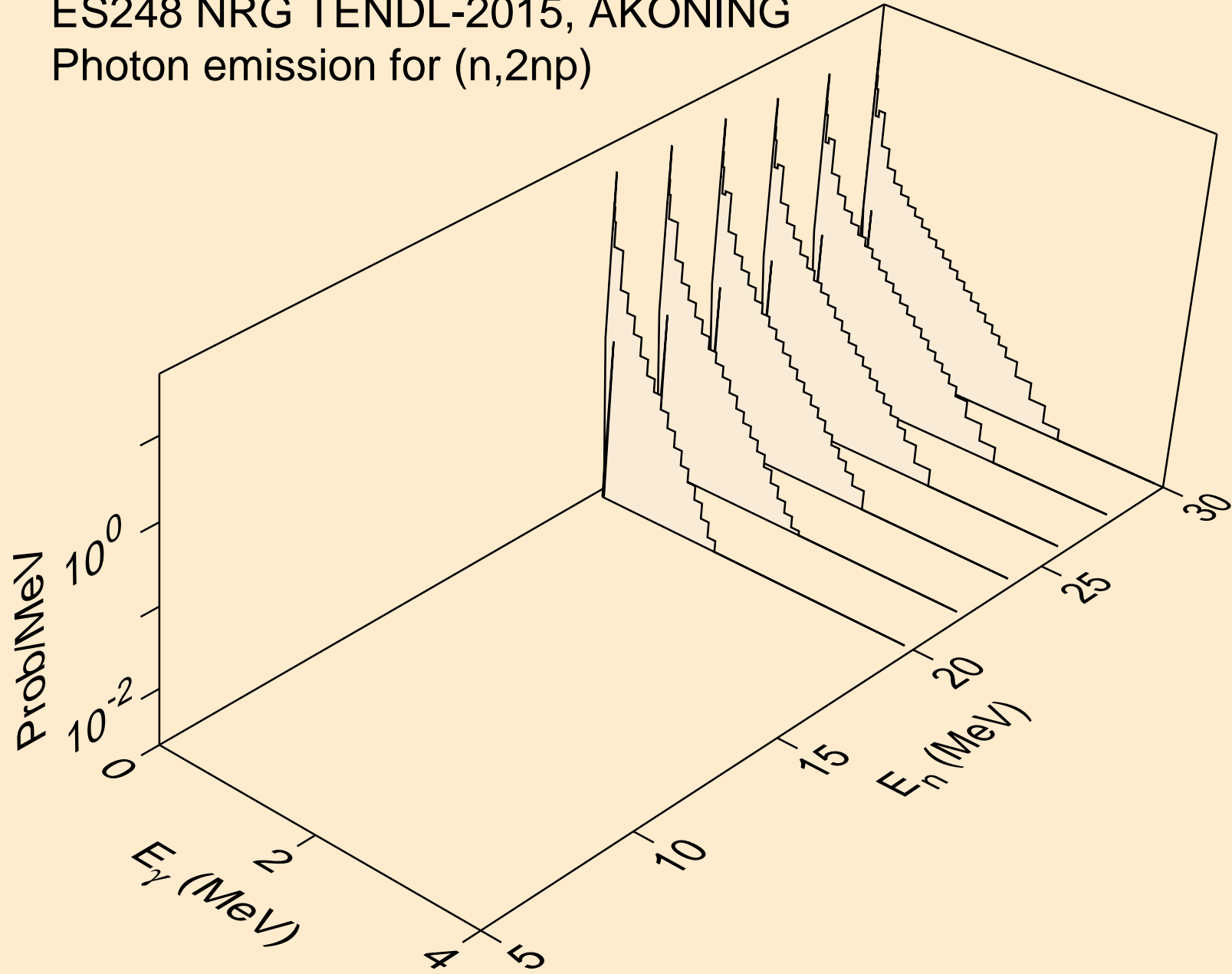
ES248 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



ES248 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)

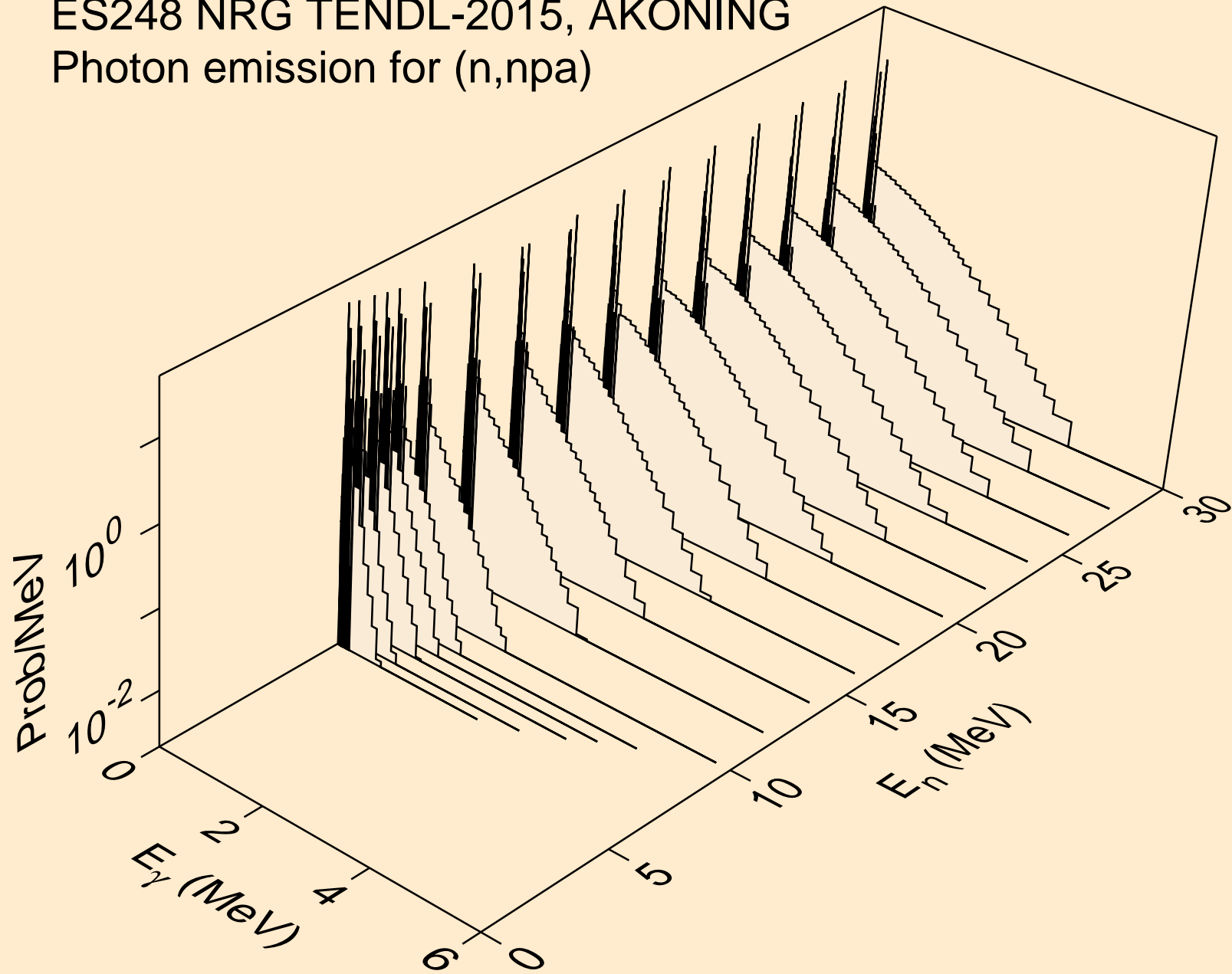


ES248 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)

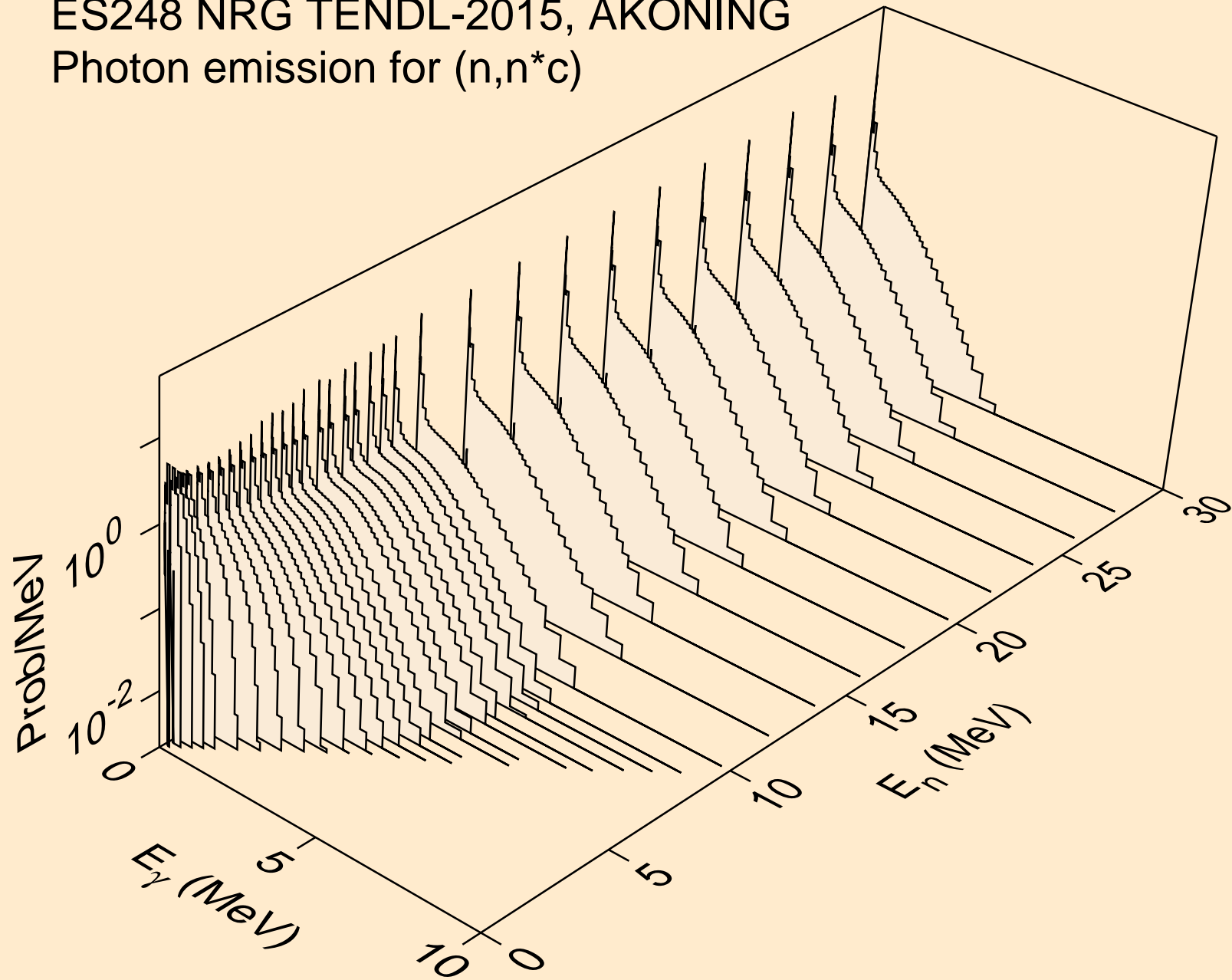




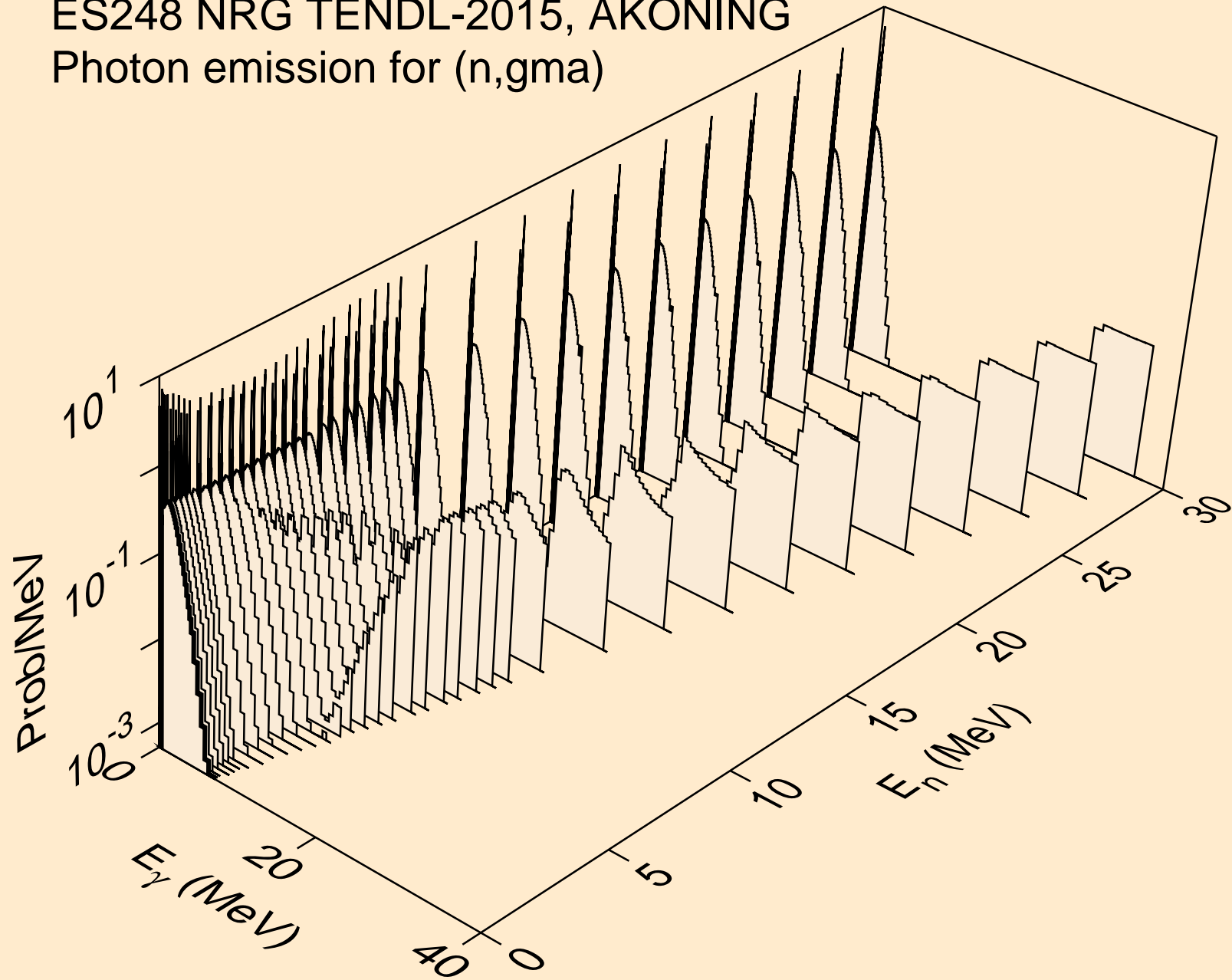
ES248 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



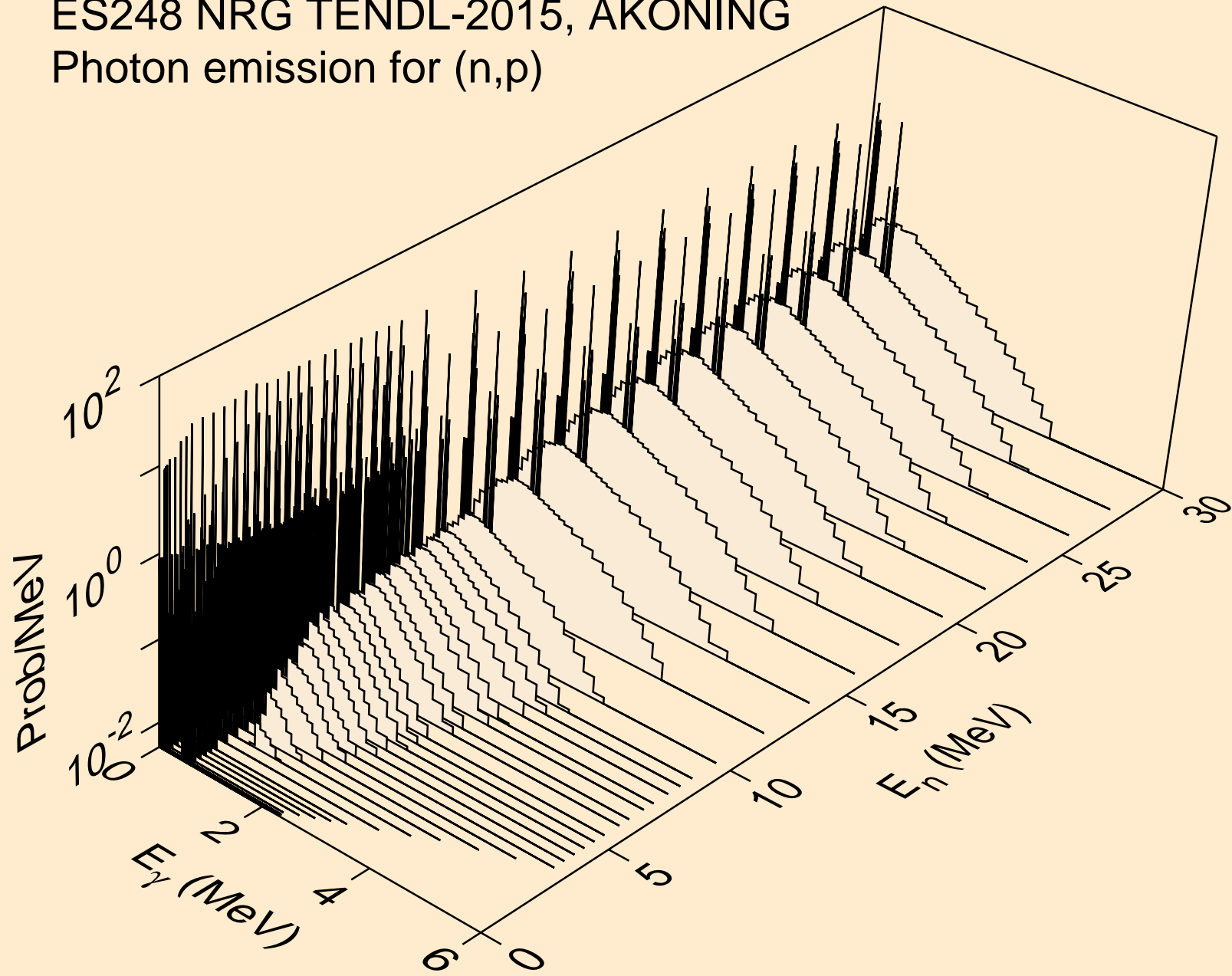
ES248 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



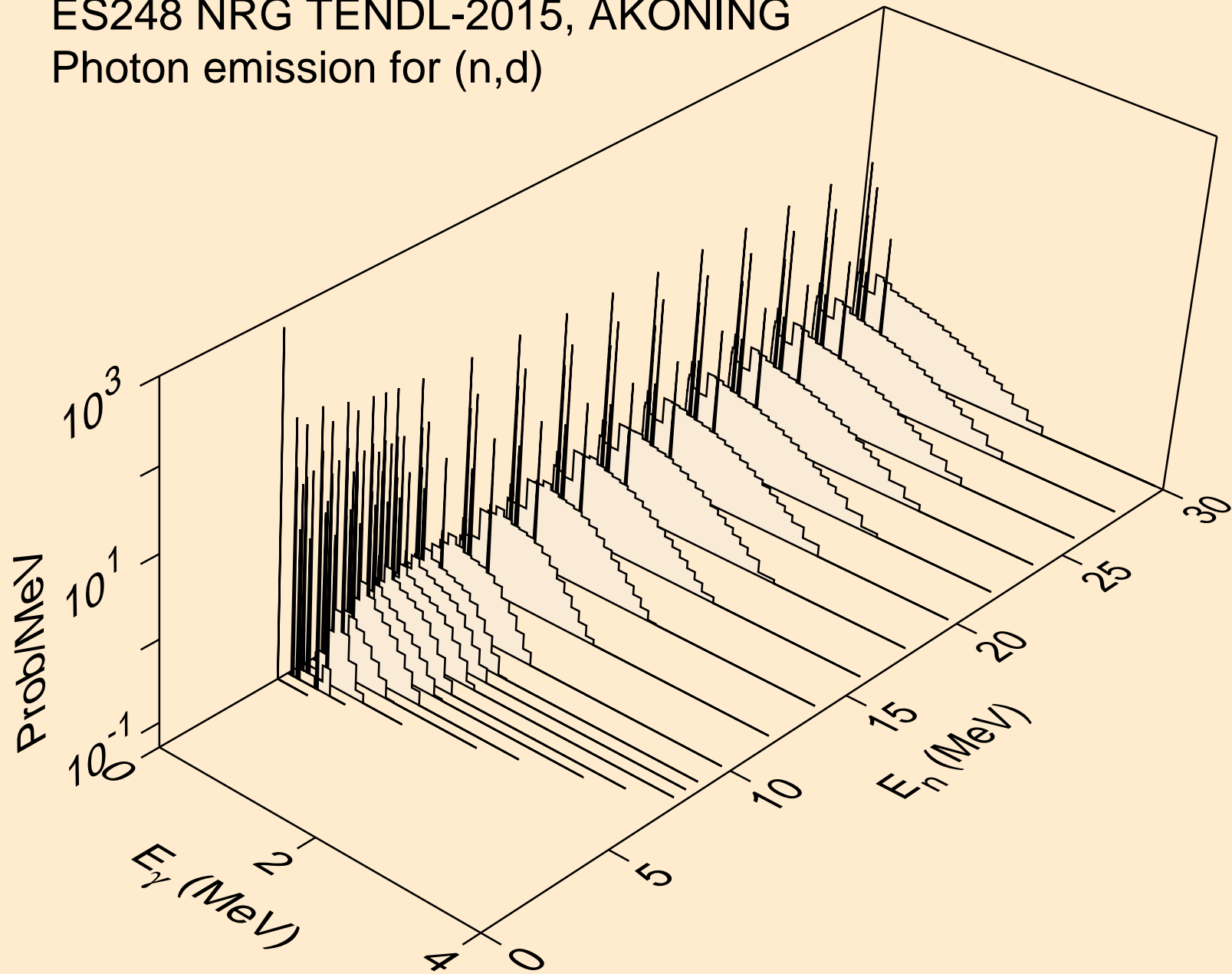
ES248 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



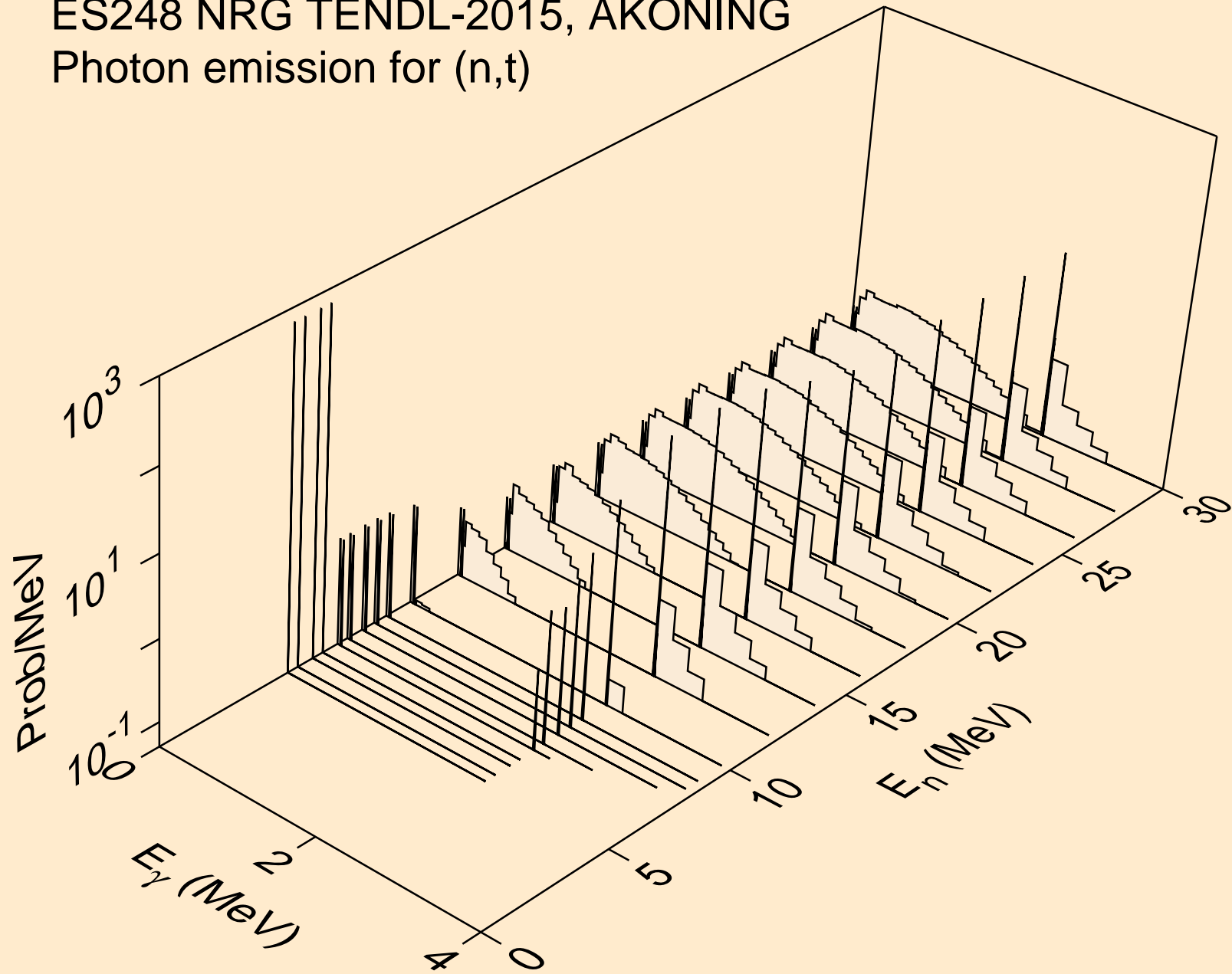
ES248 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



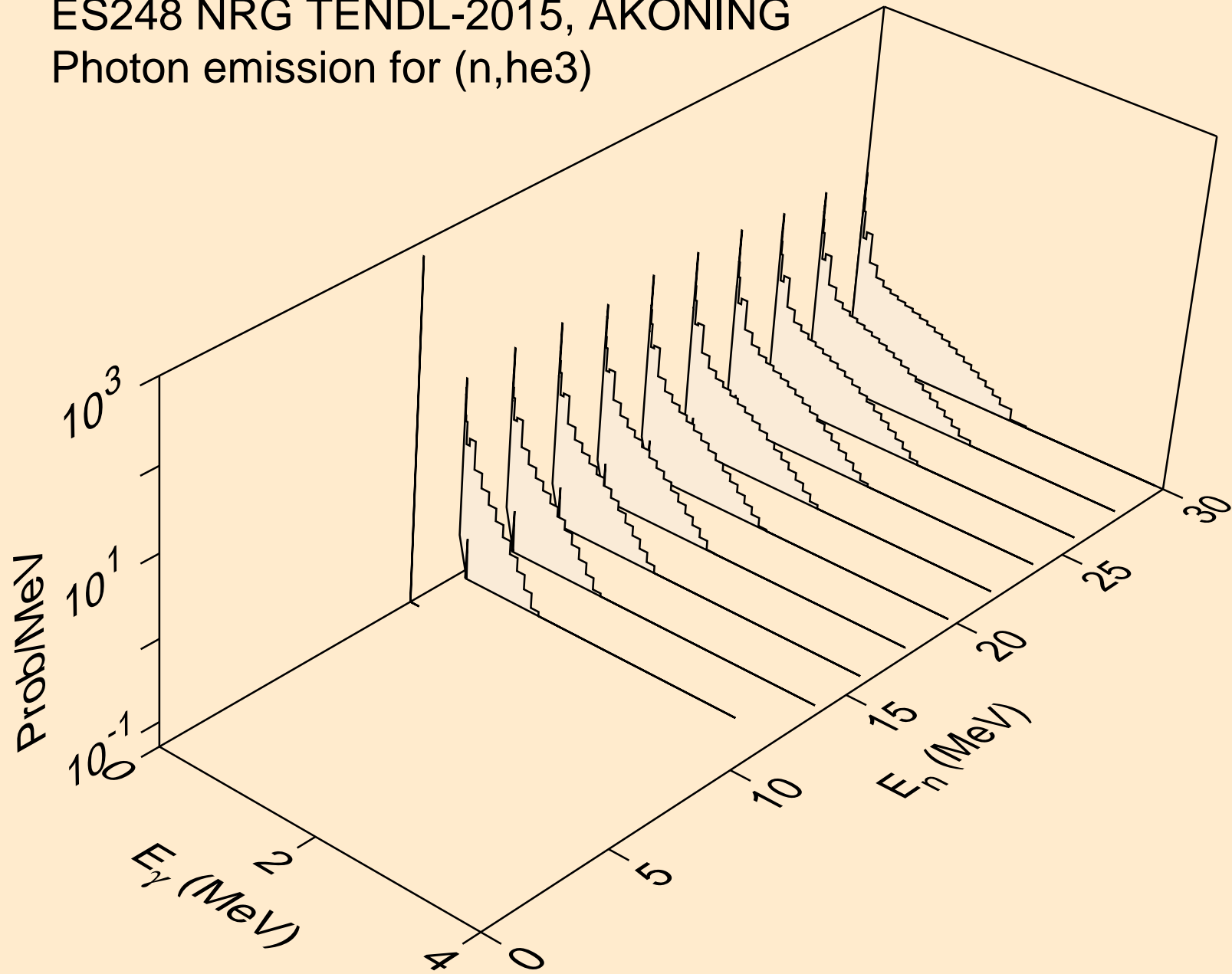
ES248 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



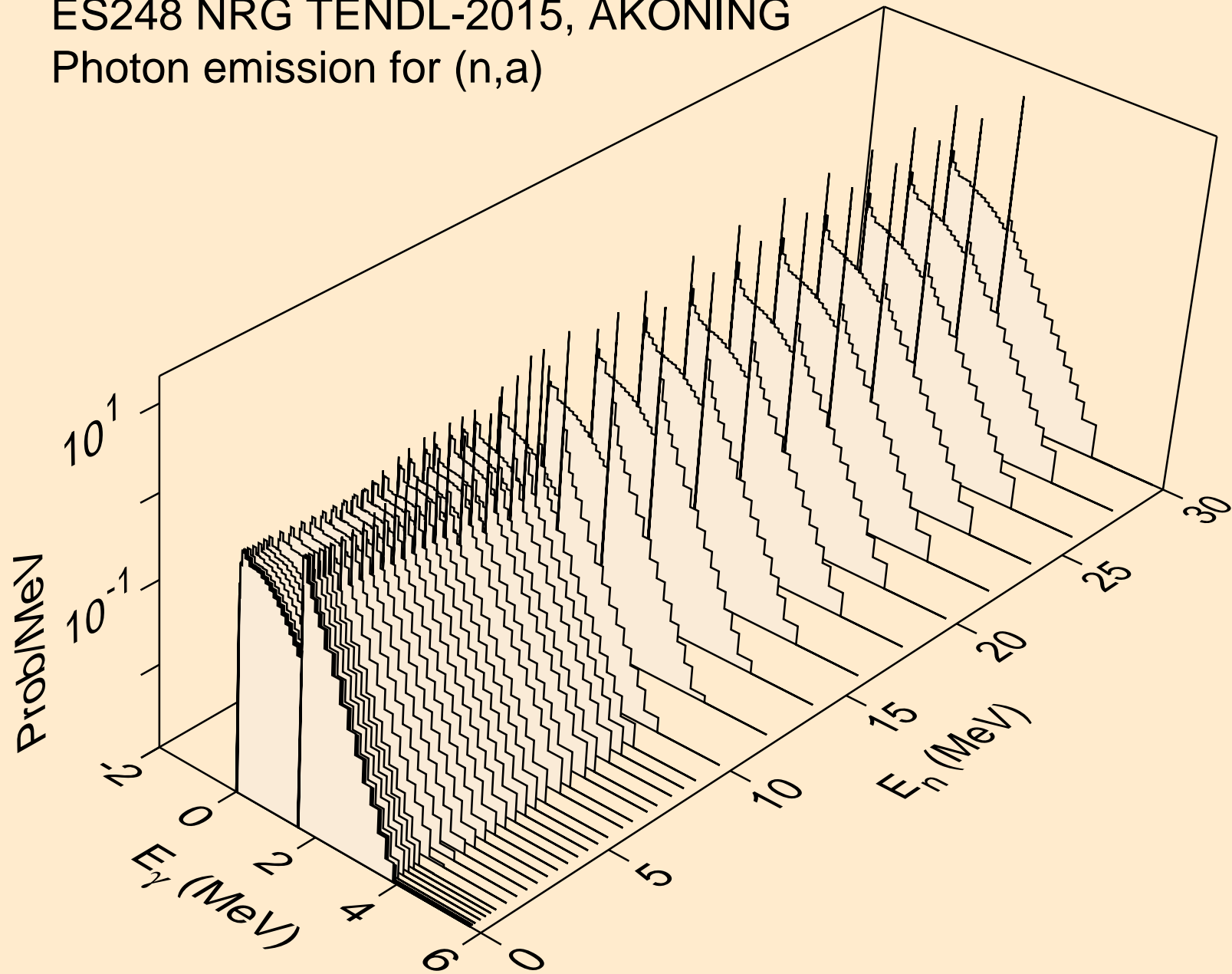
ES248 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



ES248 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)

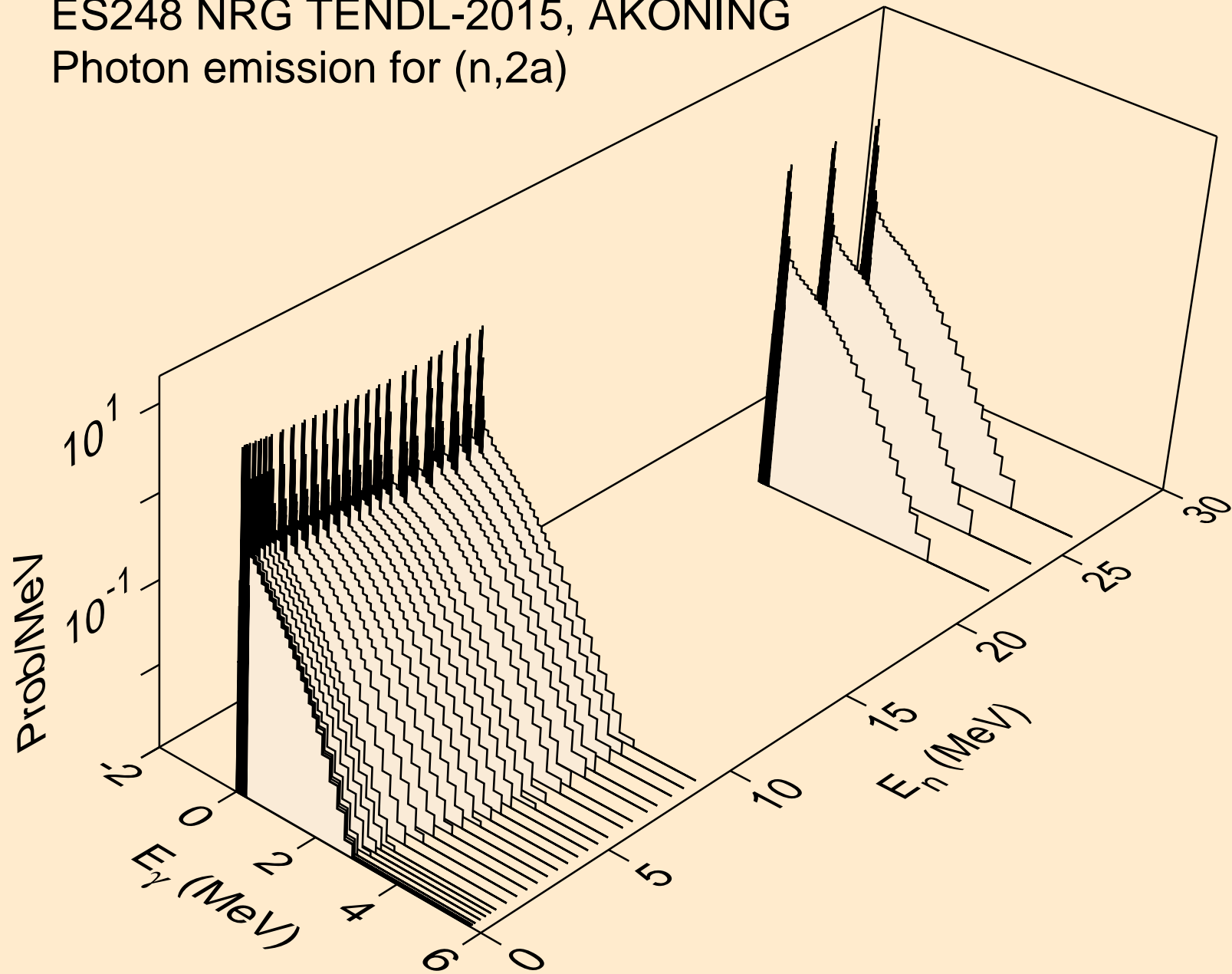


ES248 NRG TENDL-2015, AKONING  
Photon emission for (n,a)

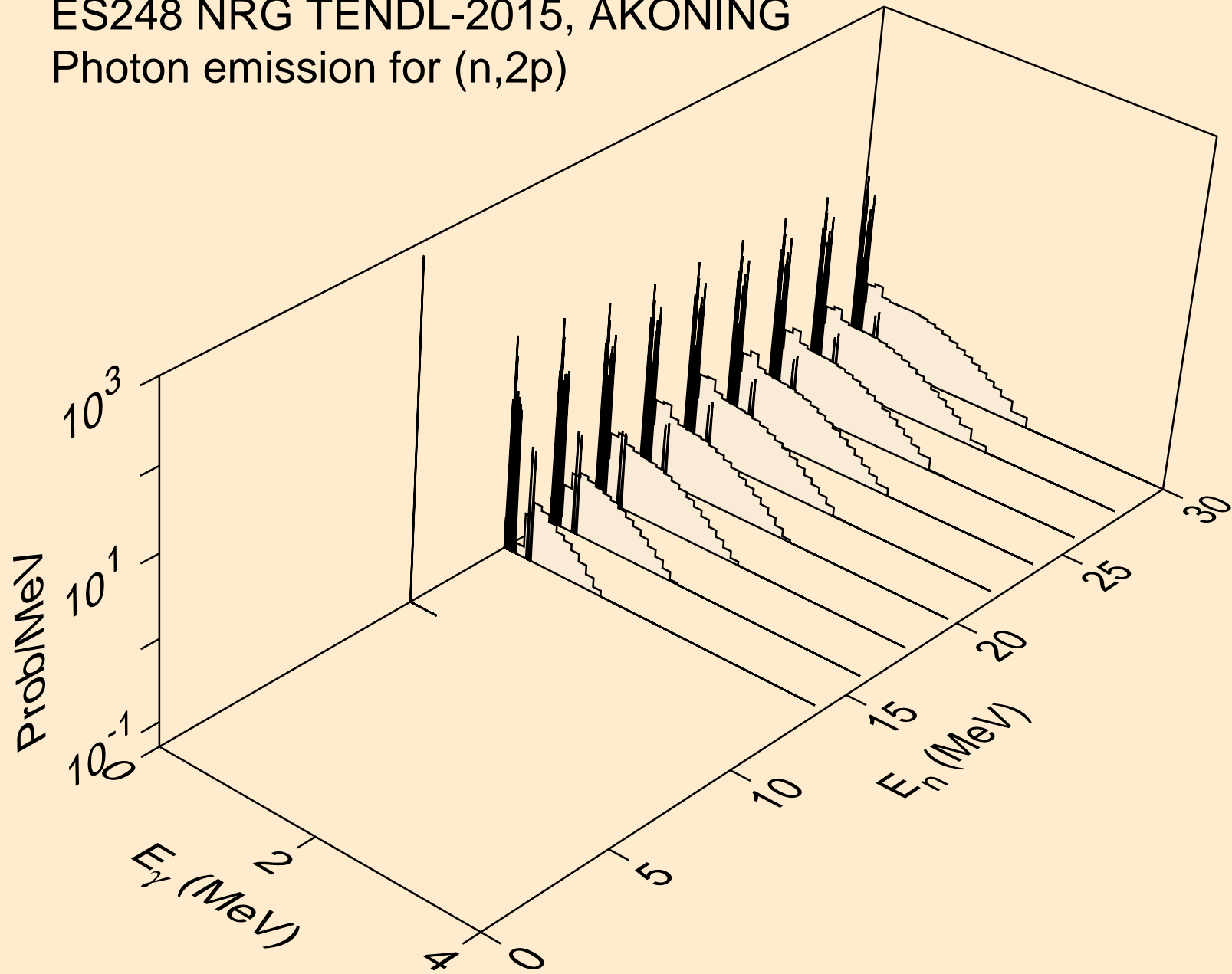




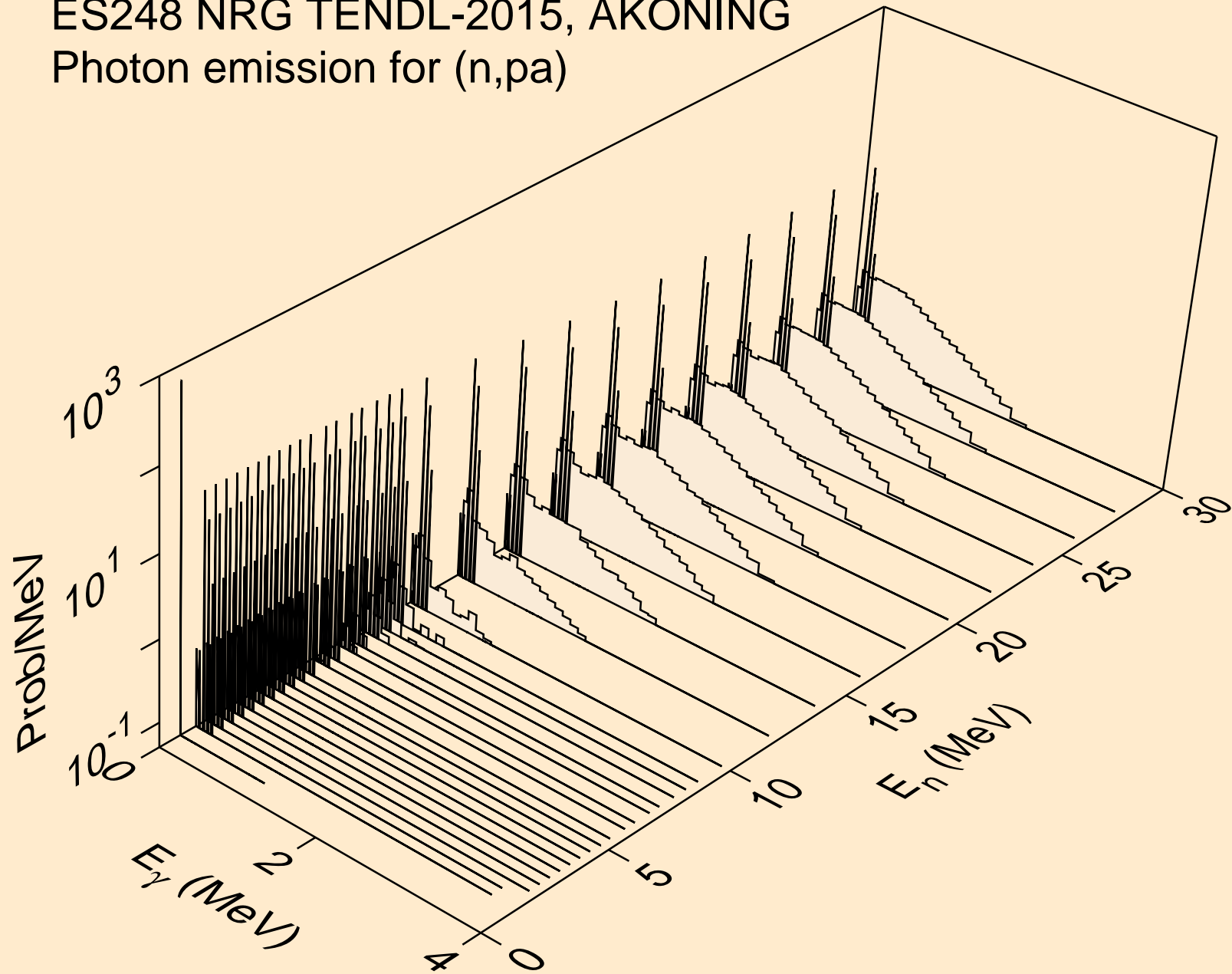
ES248 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



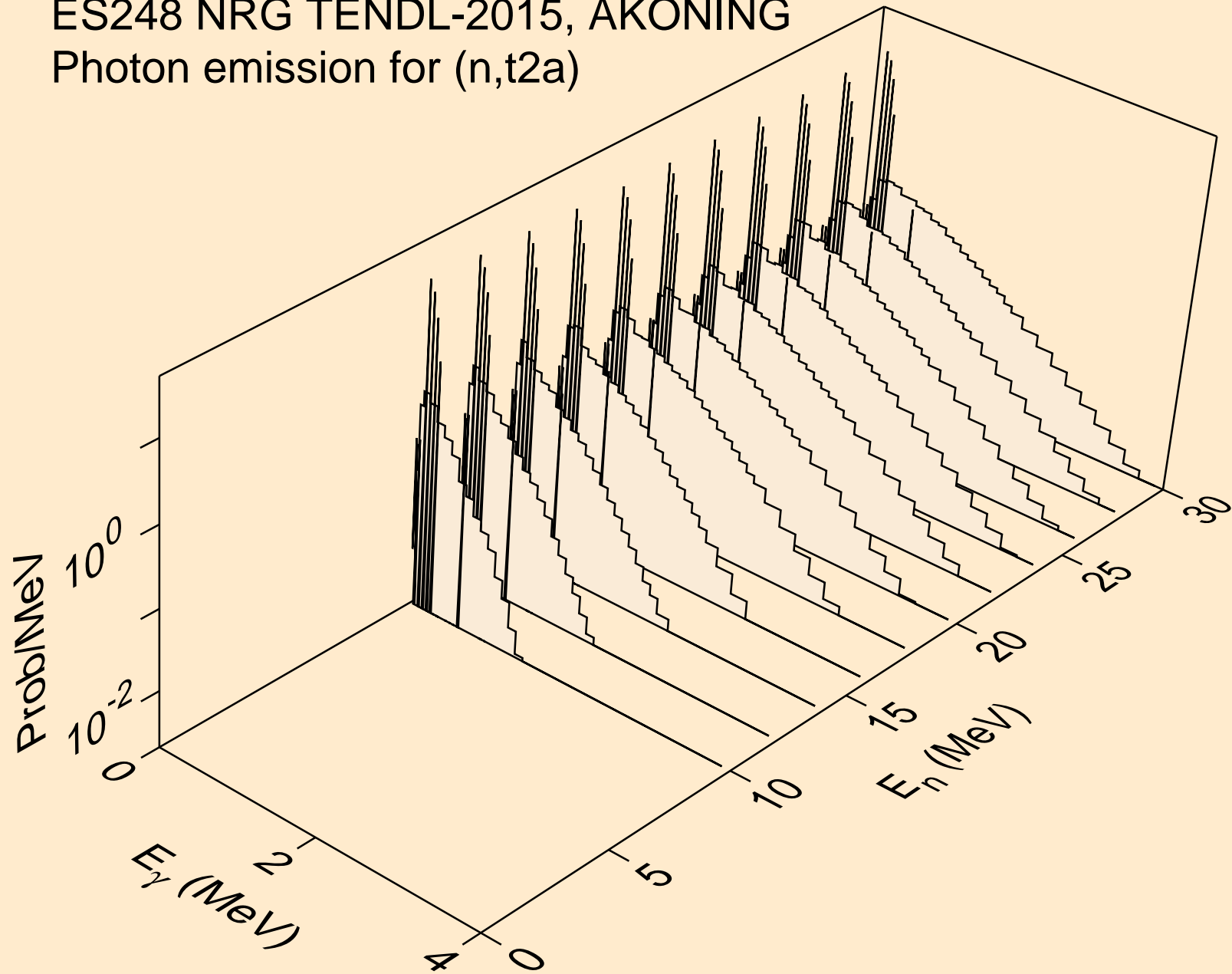
ES248 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



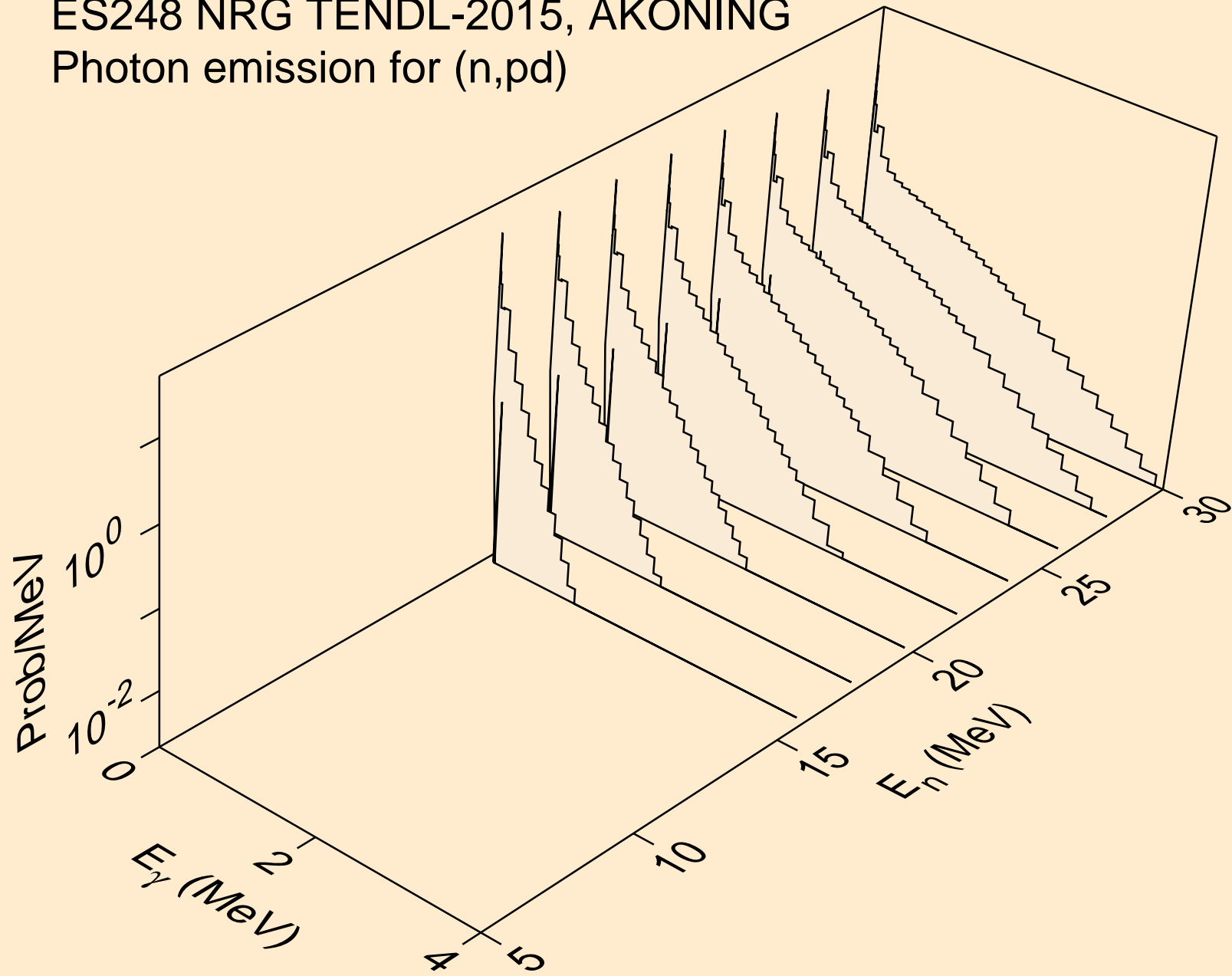
ES248 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



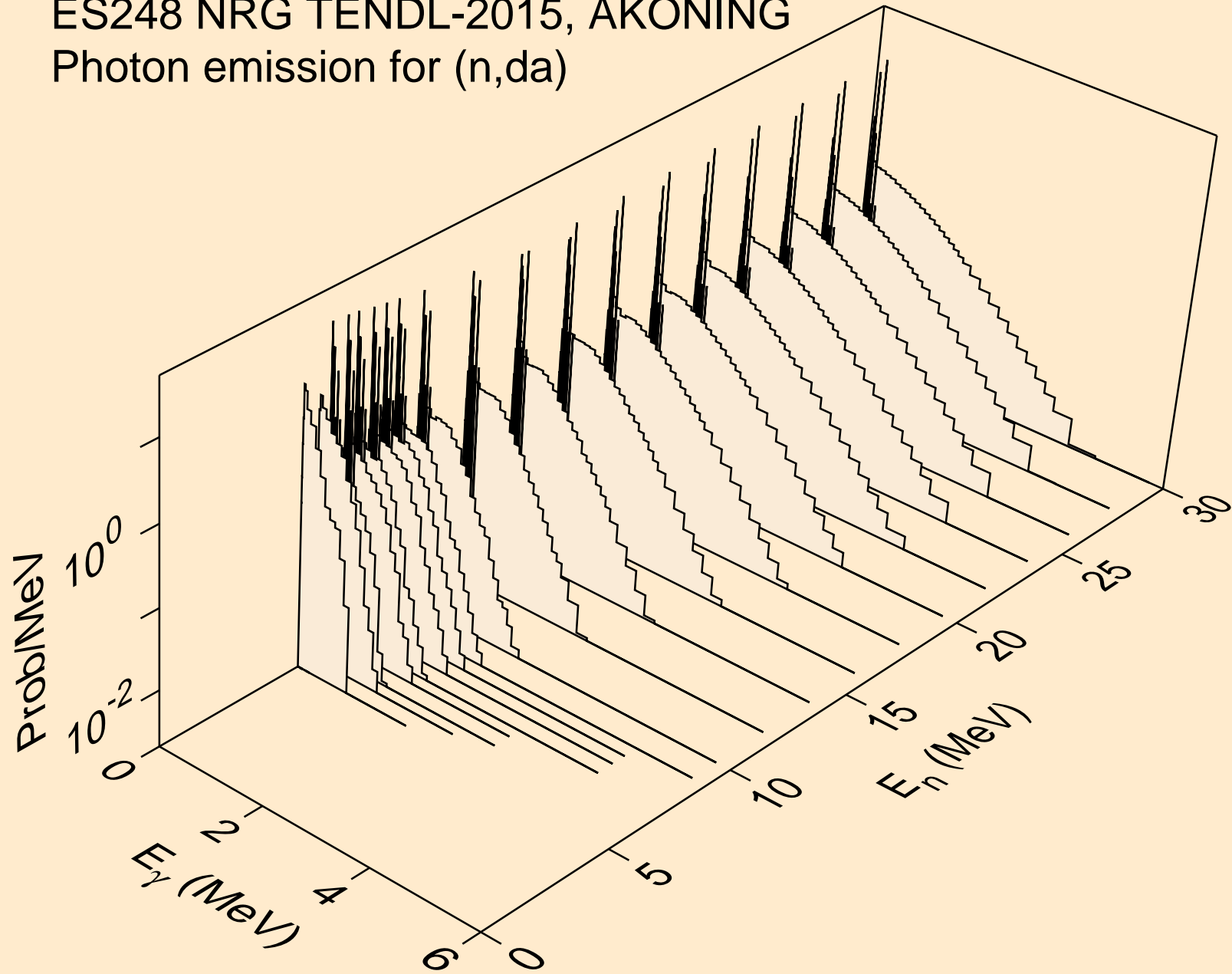
ES248 NRG TENDL-2015, AKONING  
Photon emission for (n,t2a)



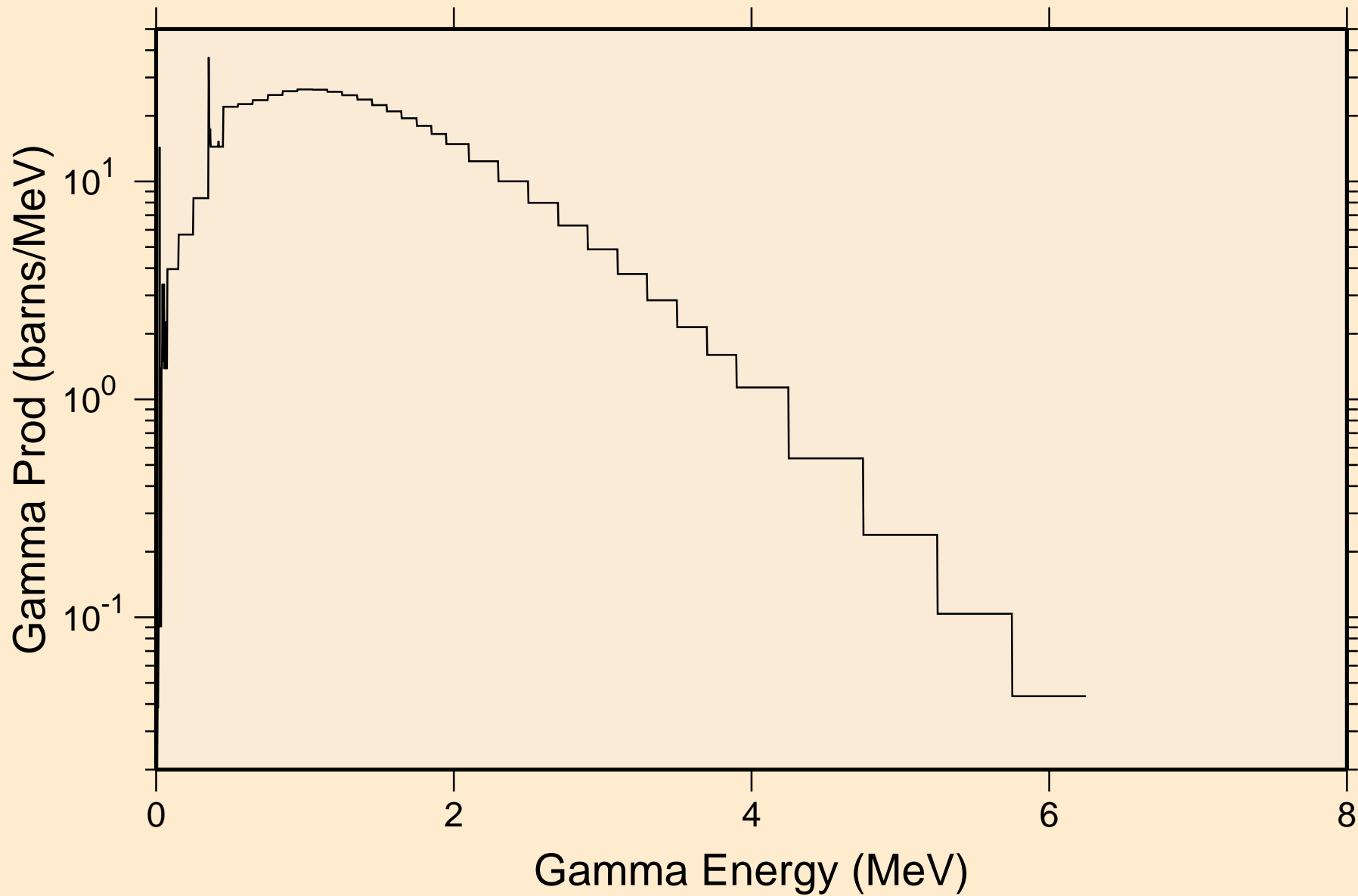
ES248 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



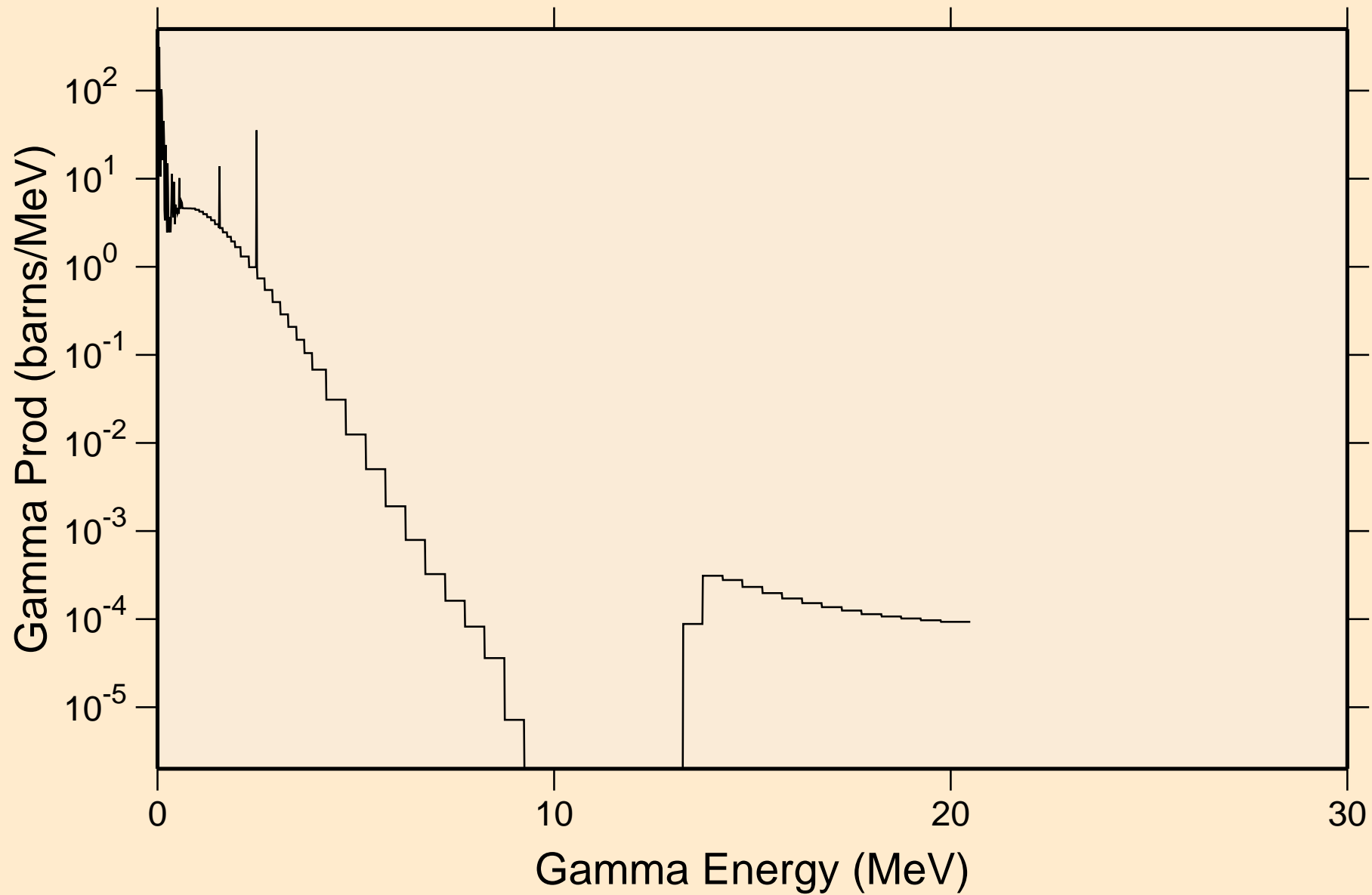
ES248 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



ES248 NRG TENDL-2015, AKONING  
thermal capture photon spectrum



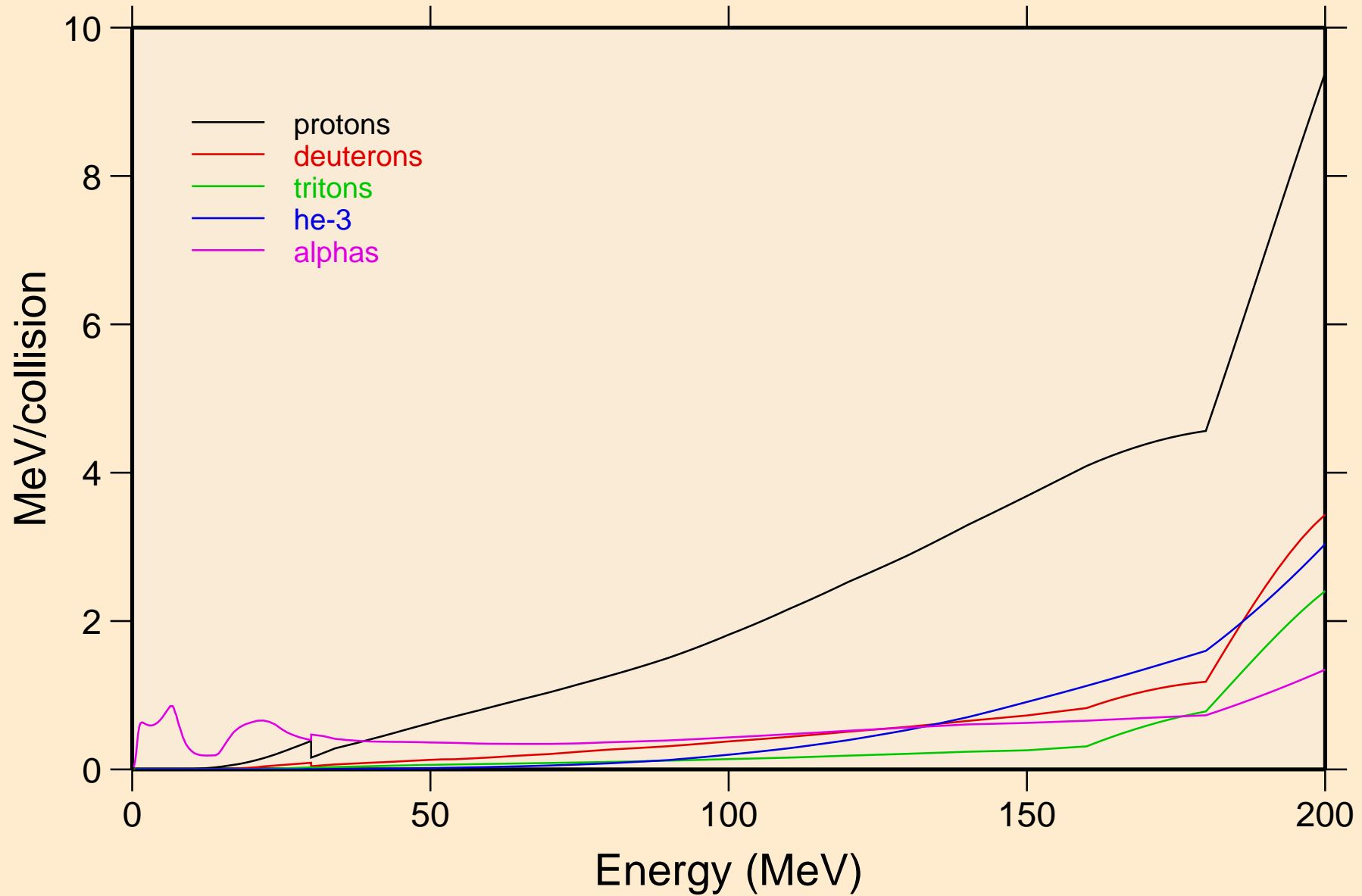
ES248 NRG TENDL-2015, AKONING  
14 MeV photon spectrum





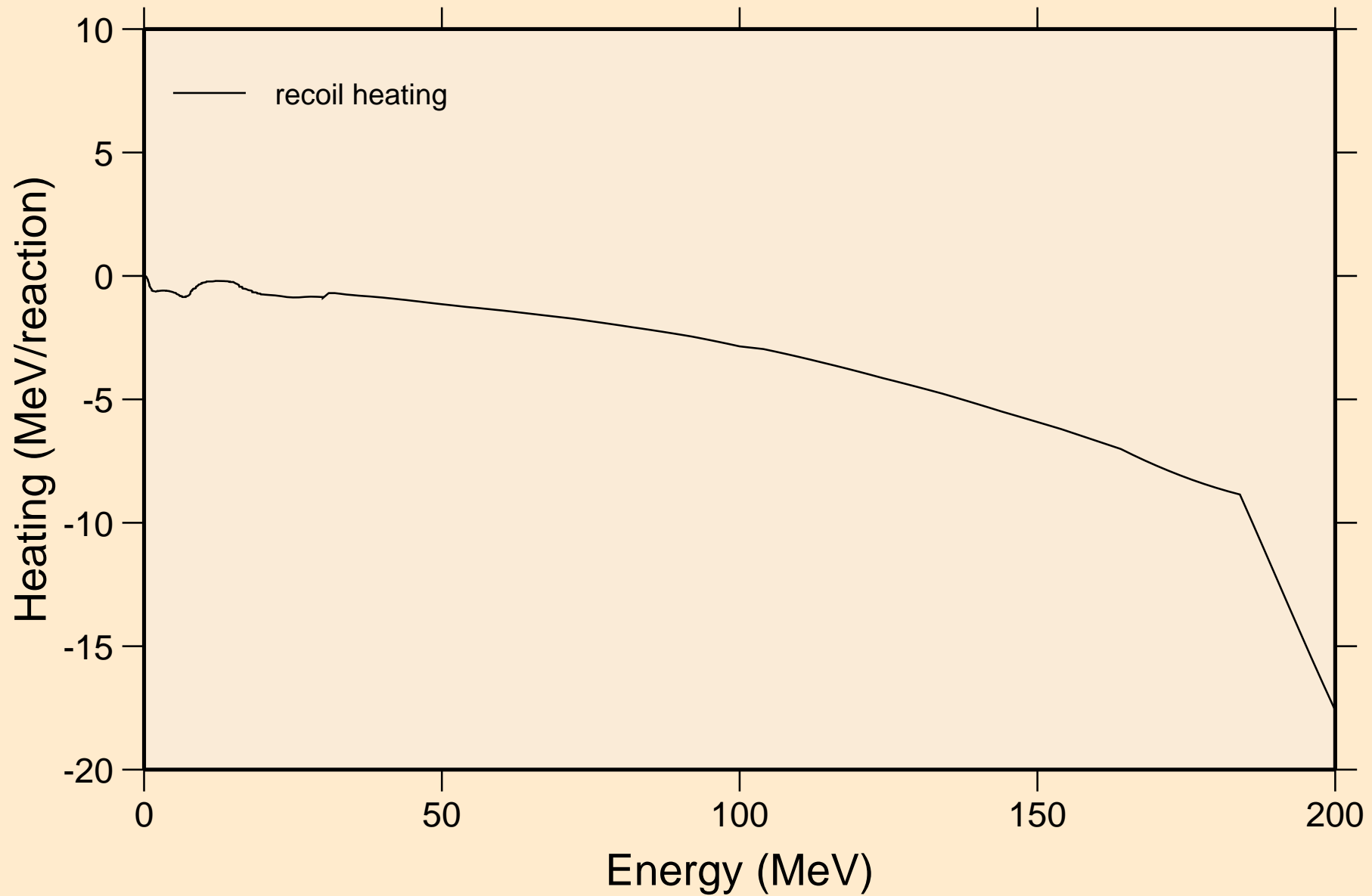
# ES248 NRG TENDL-2015, AKONING

## Particle heating contributions



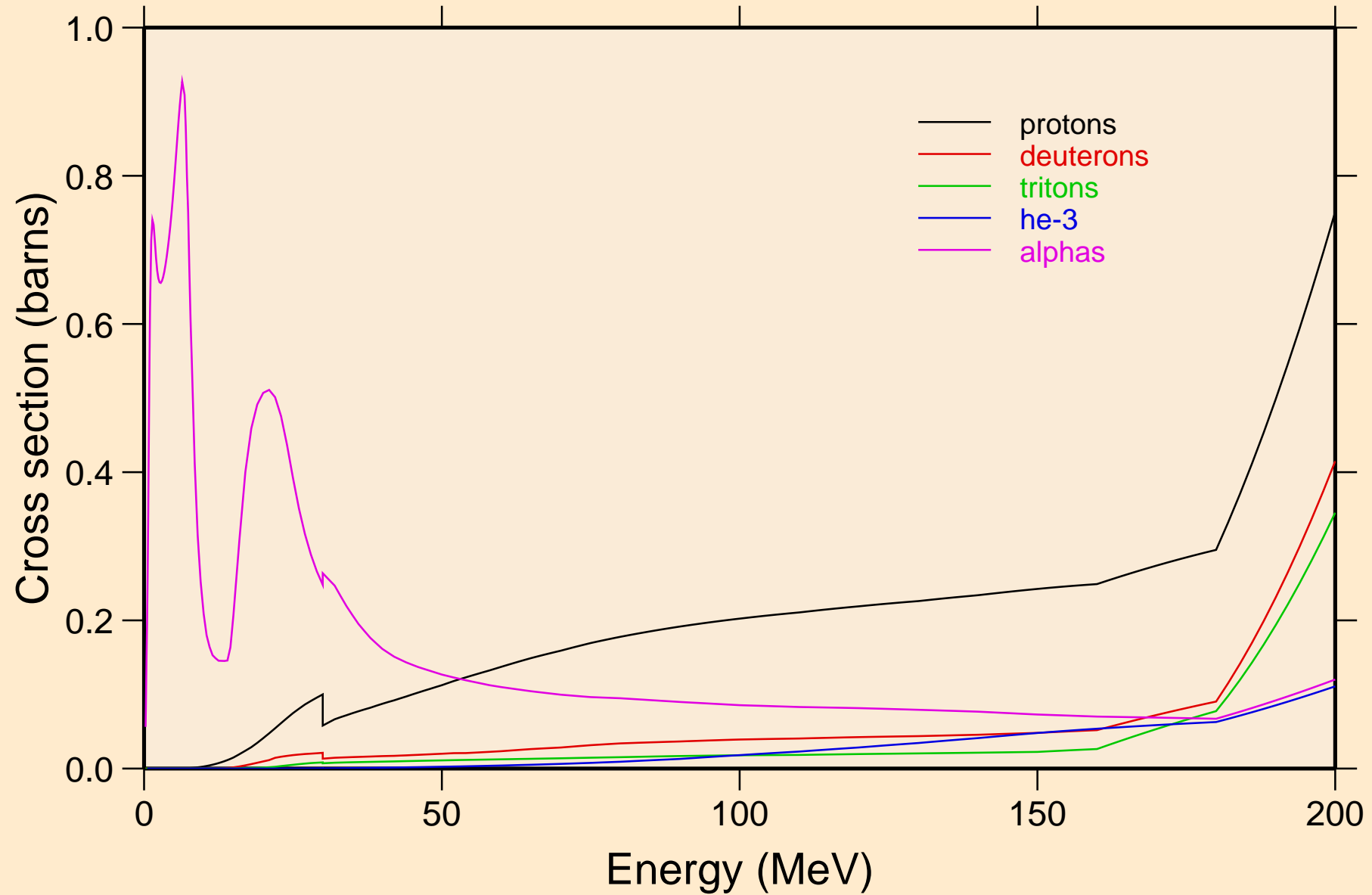
# ES248 NRG TENDL-2015, AKONING

## Recoil Heating

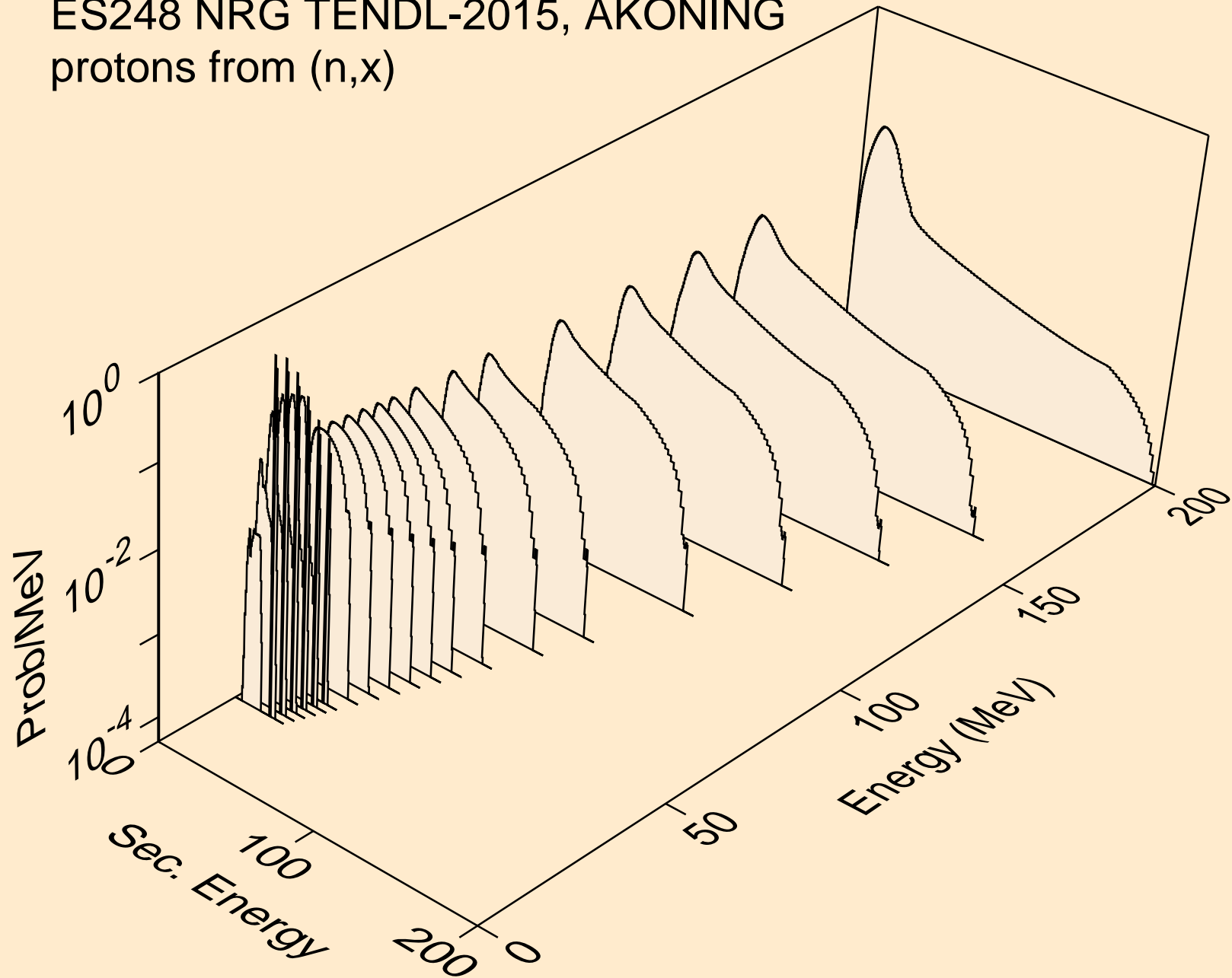


# ES248 NRG TENDL-2015, AKONING

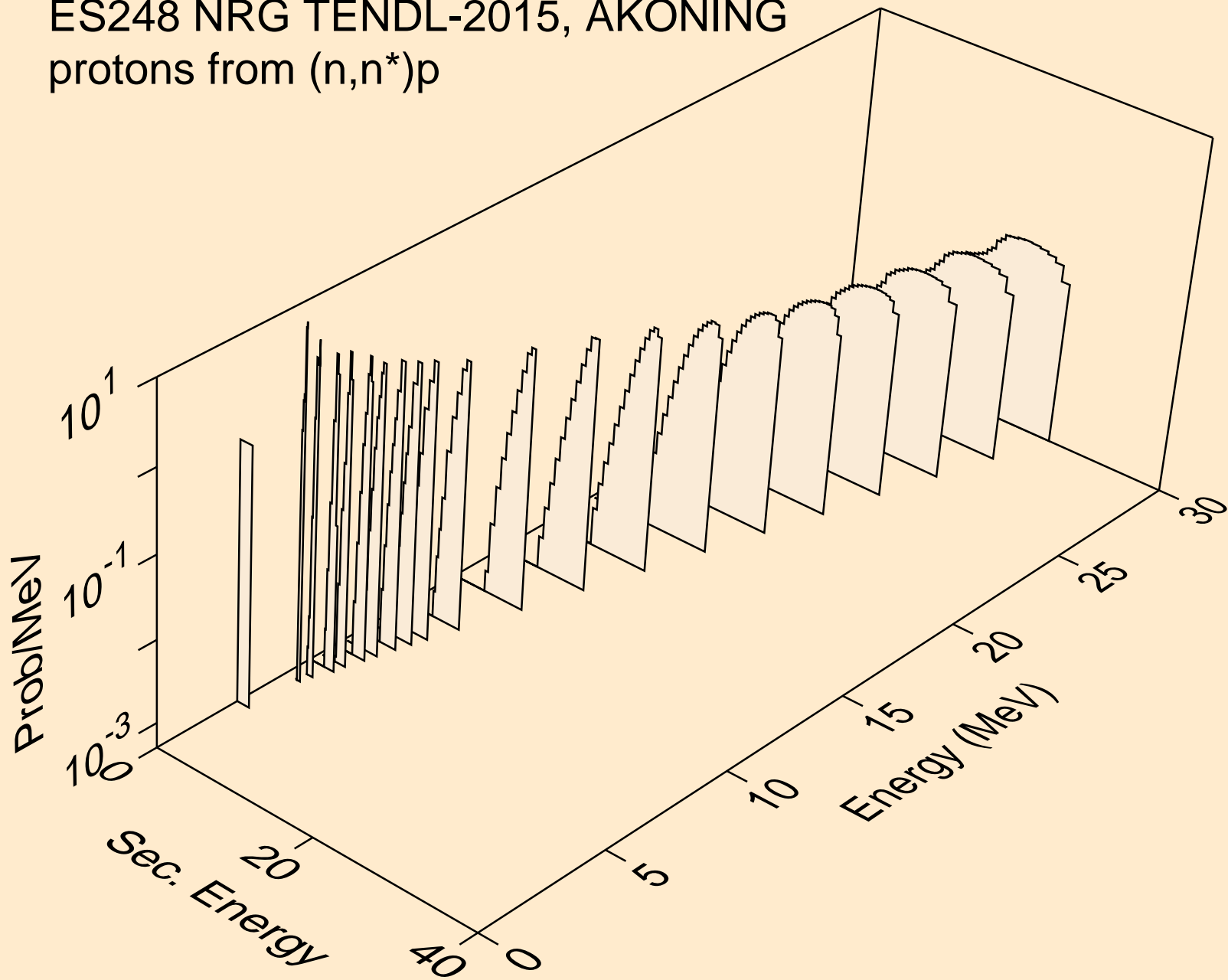
## Particle production cross sections



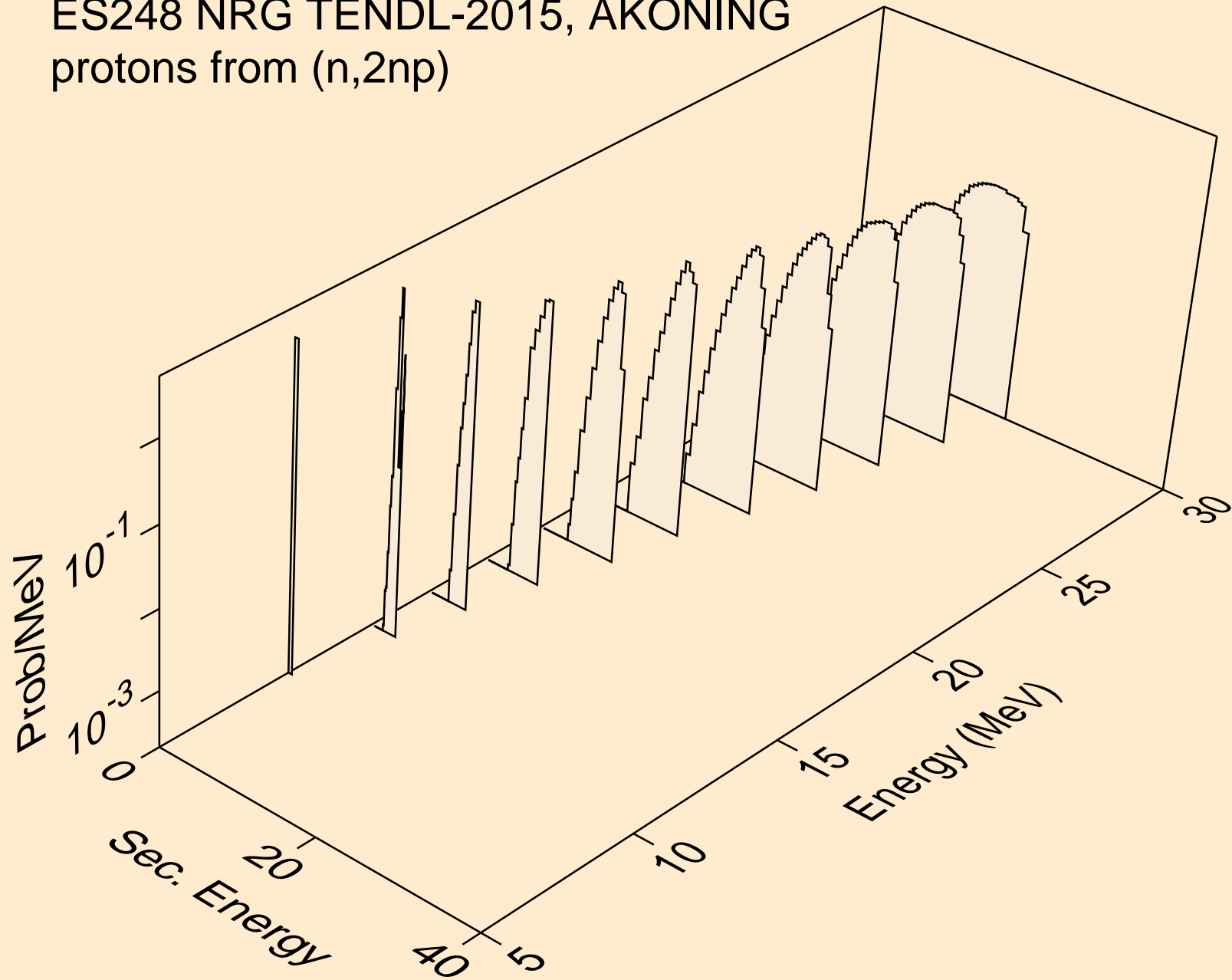
ES248 NRG TENDL-2015, AKONING  
protons from (n,x)



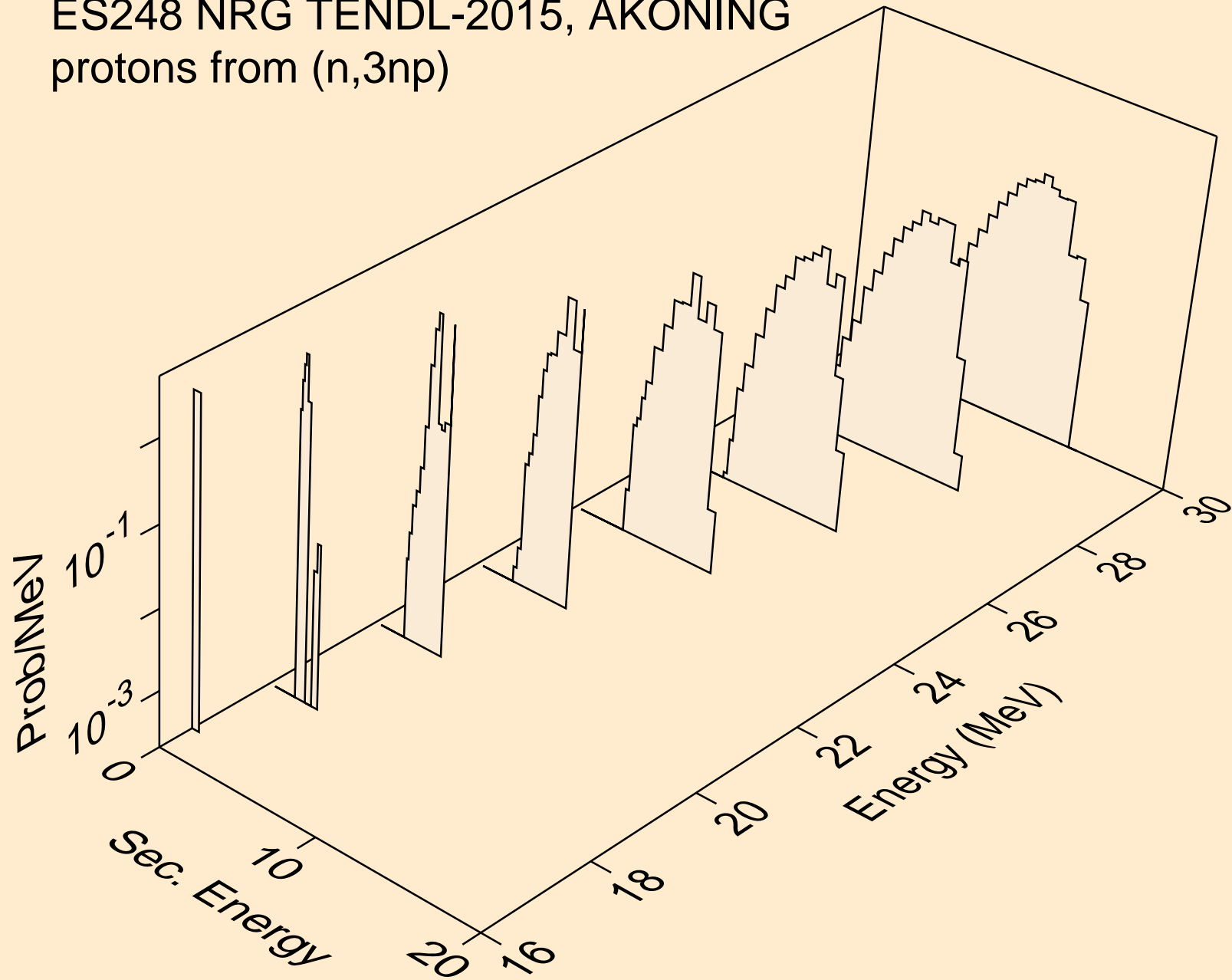
ES248 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



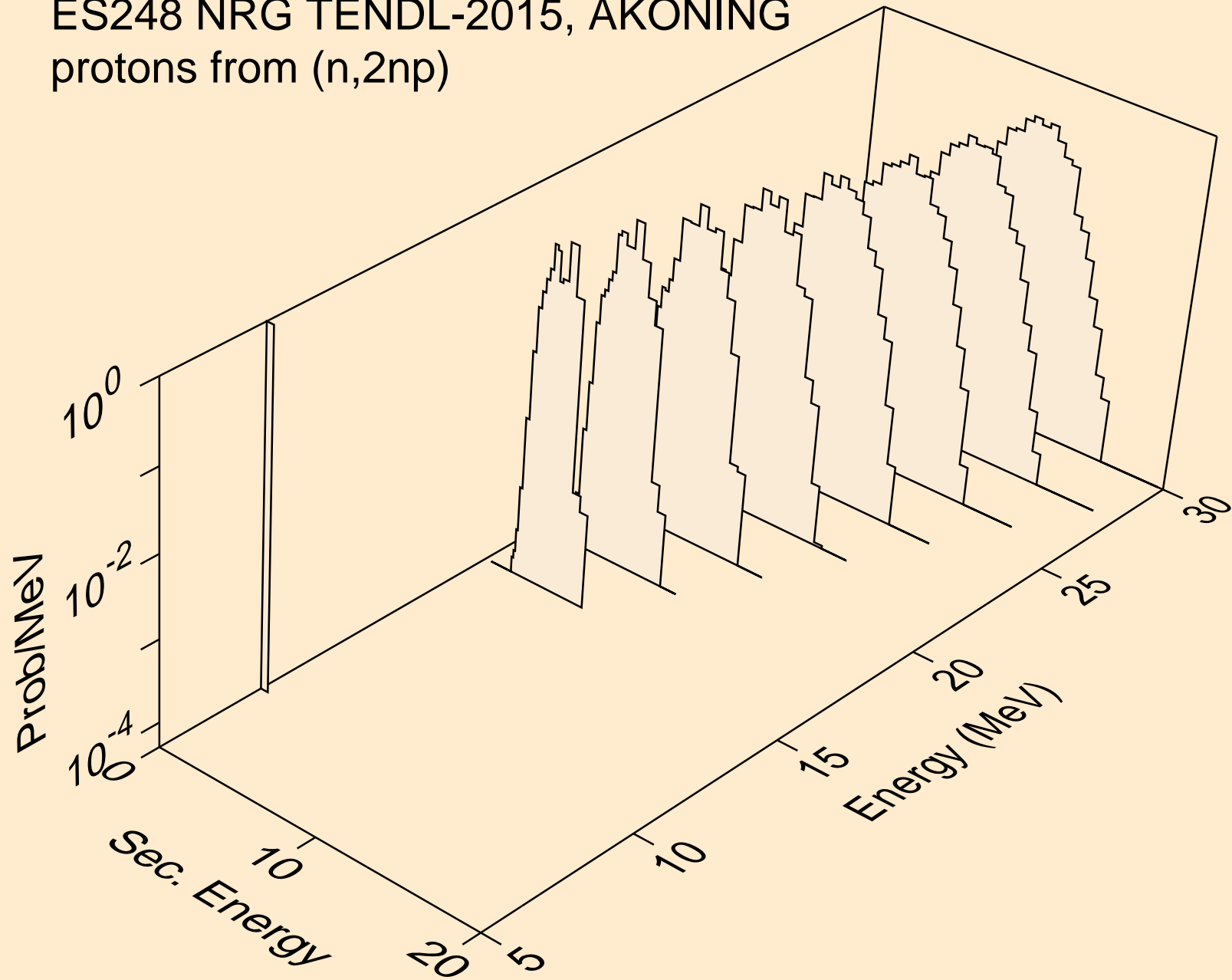
ES248 NRG TENDL-2015, AKONING  
protons from (n,2np)



ES248 NRG TENDL-2015, AKONING  
protons from (n,3np)

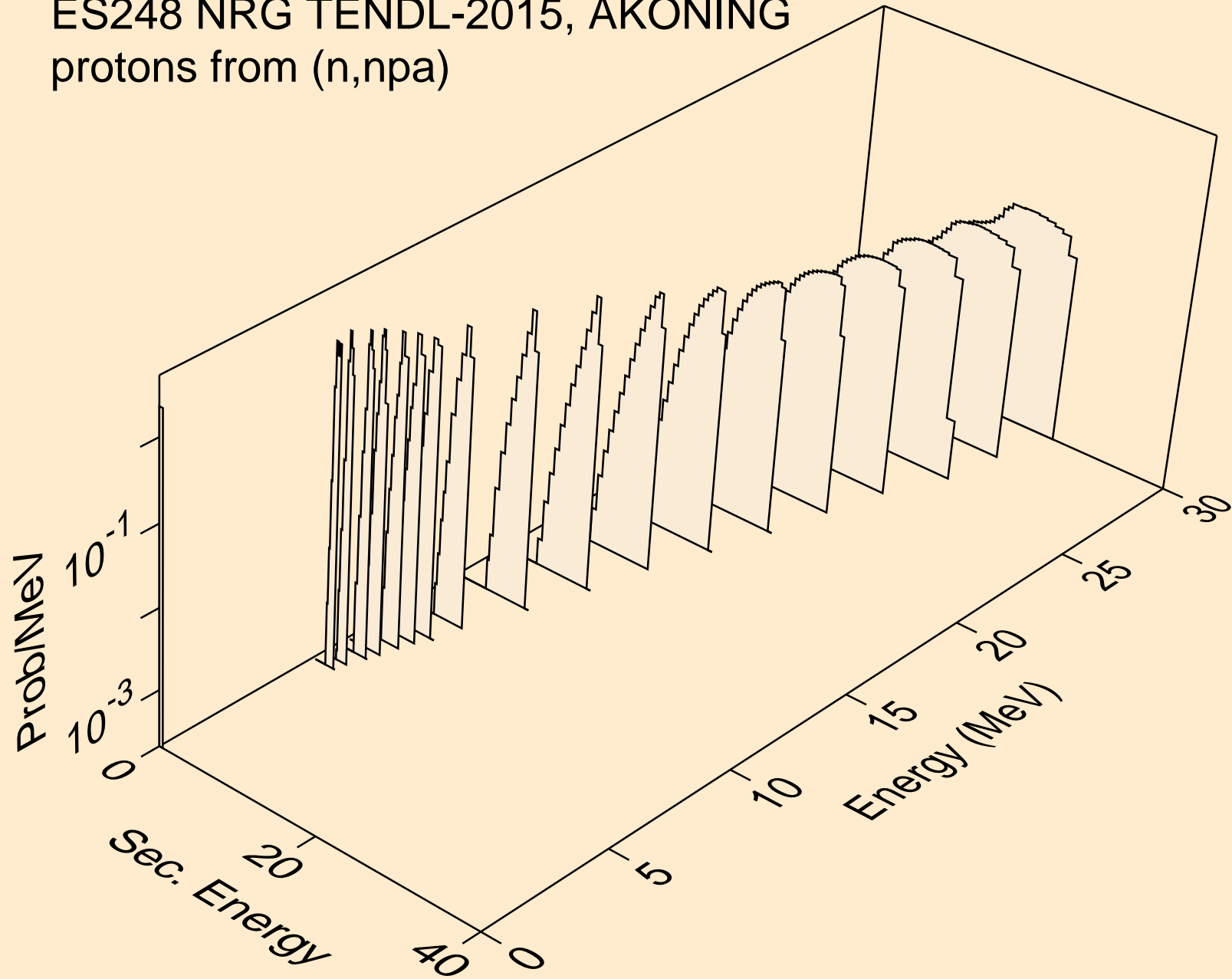


ES248 NRG TENDL-2015, AKONING  
protons from (n,2np)

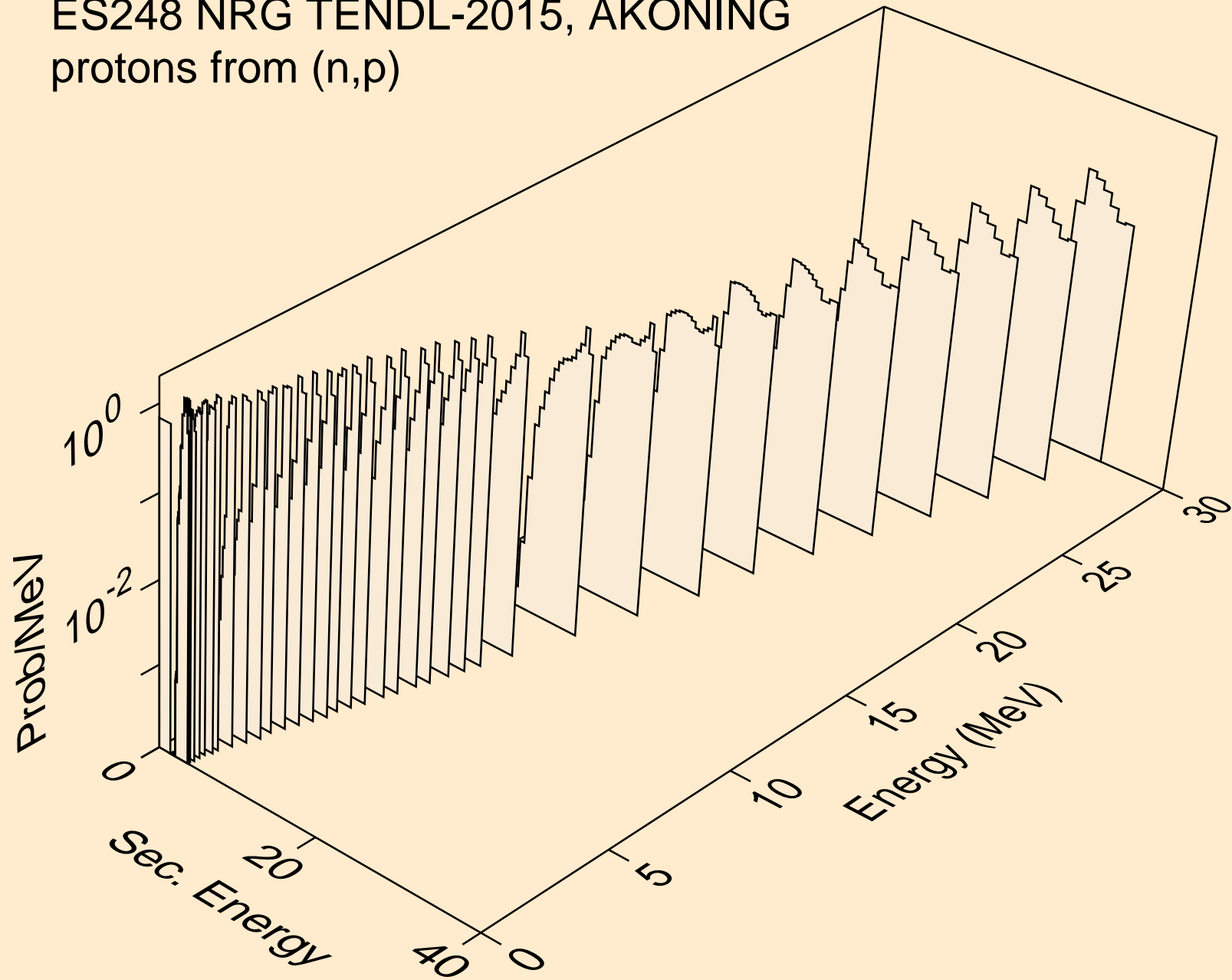




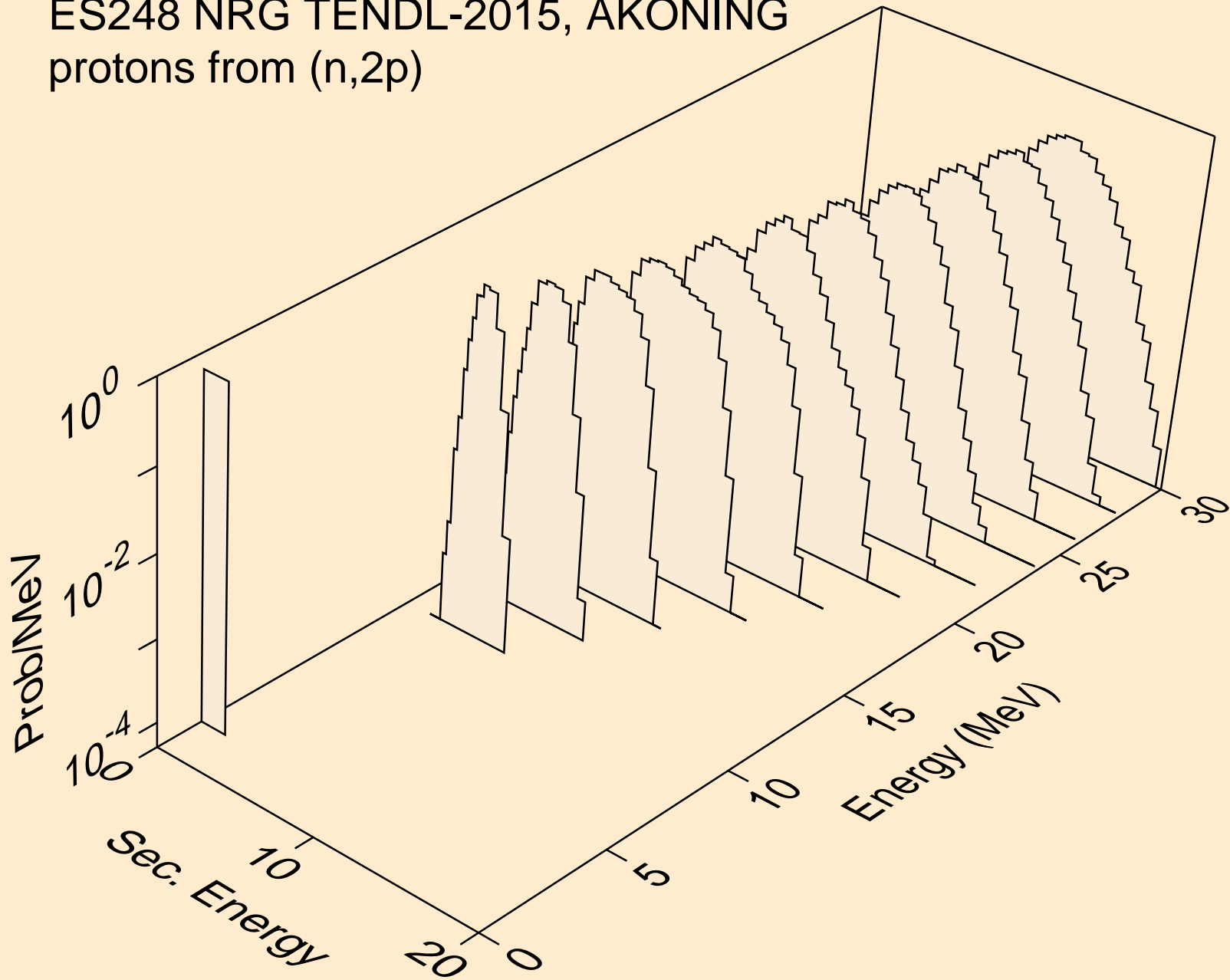
ES248 NRG TENDL-2015, AKONING  
protons from (n,npa)



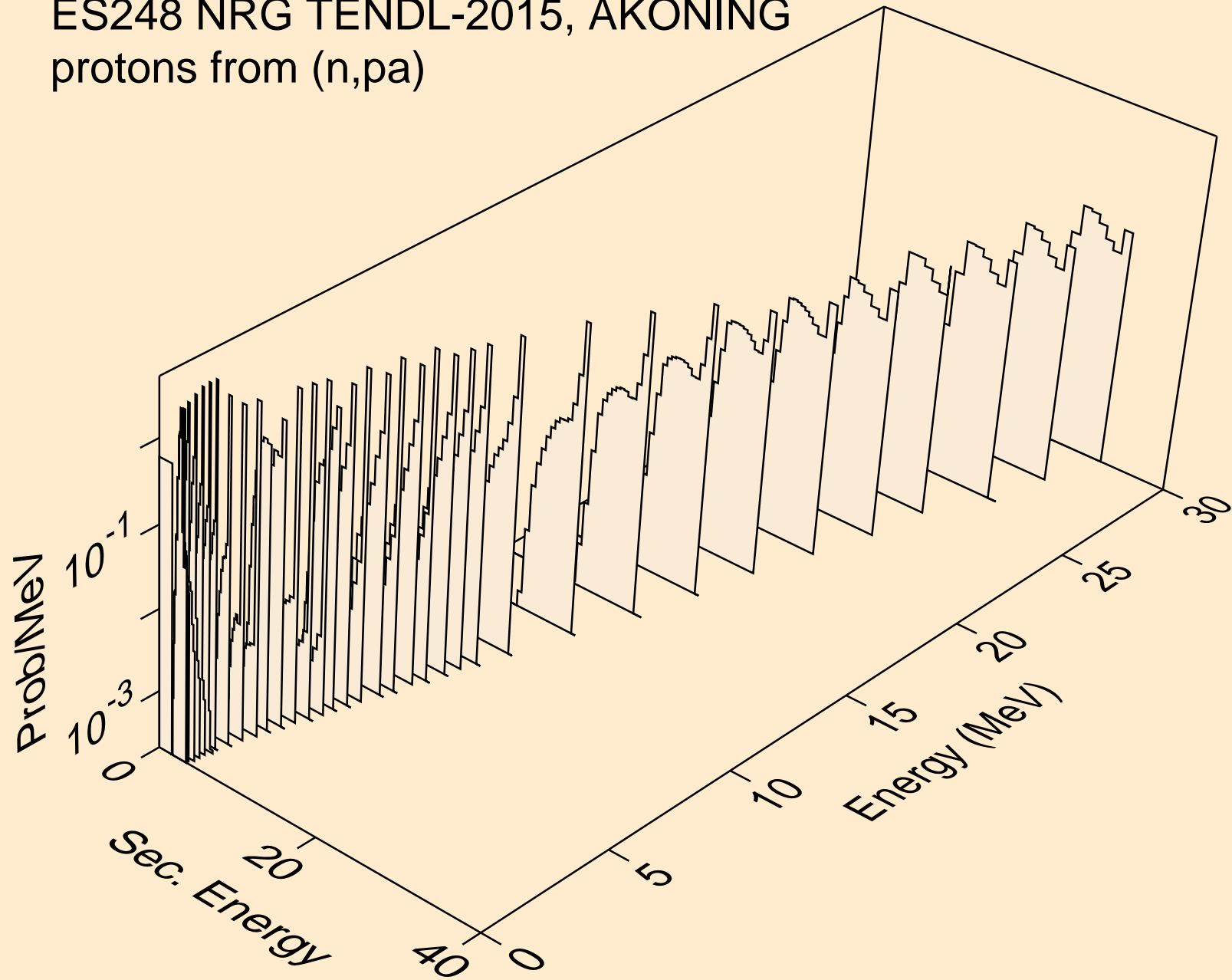
ES248 NRG TENDL-2015, AKONING  
protons from (n,p)



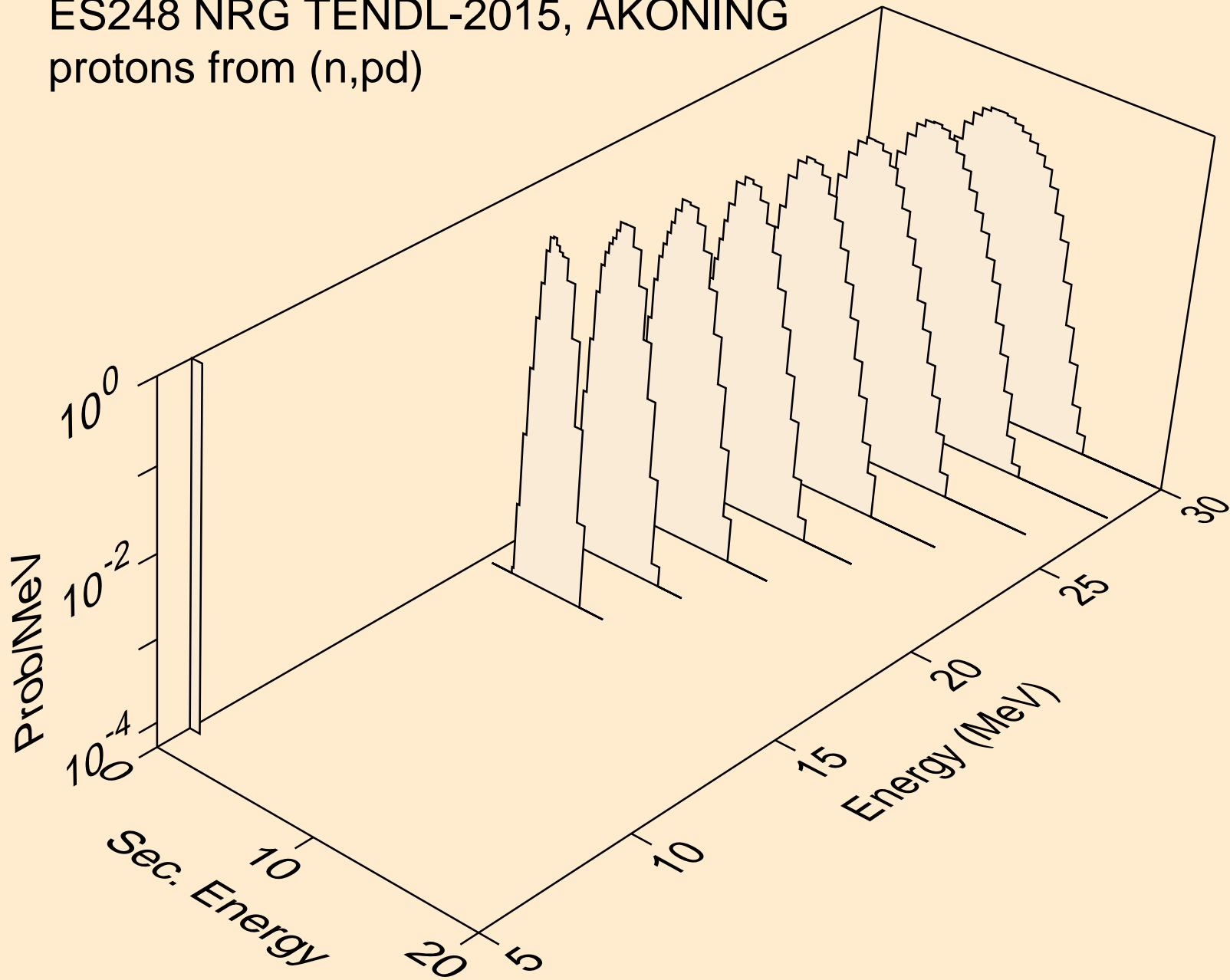
ES248 NRG TENDL-2015, AKONING  
protons from (n,2p)



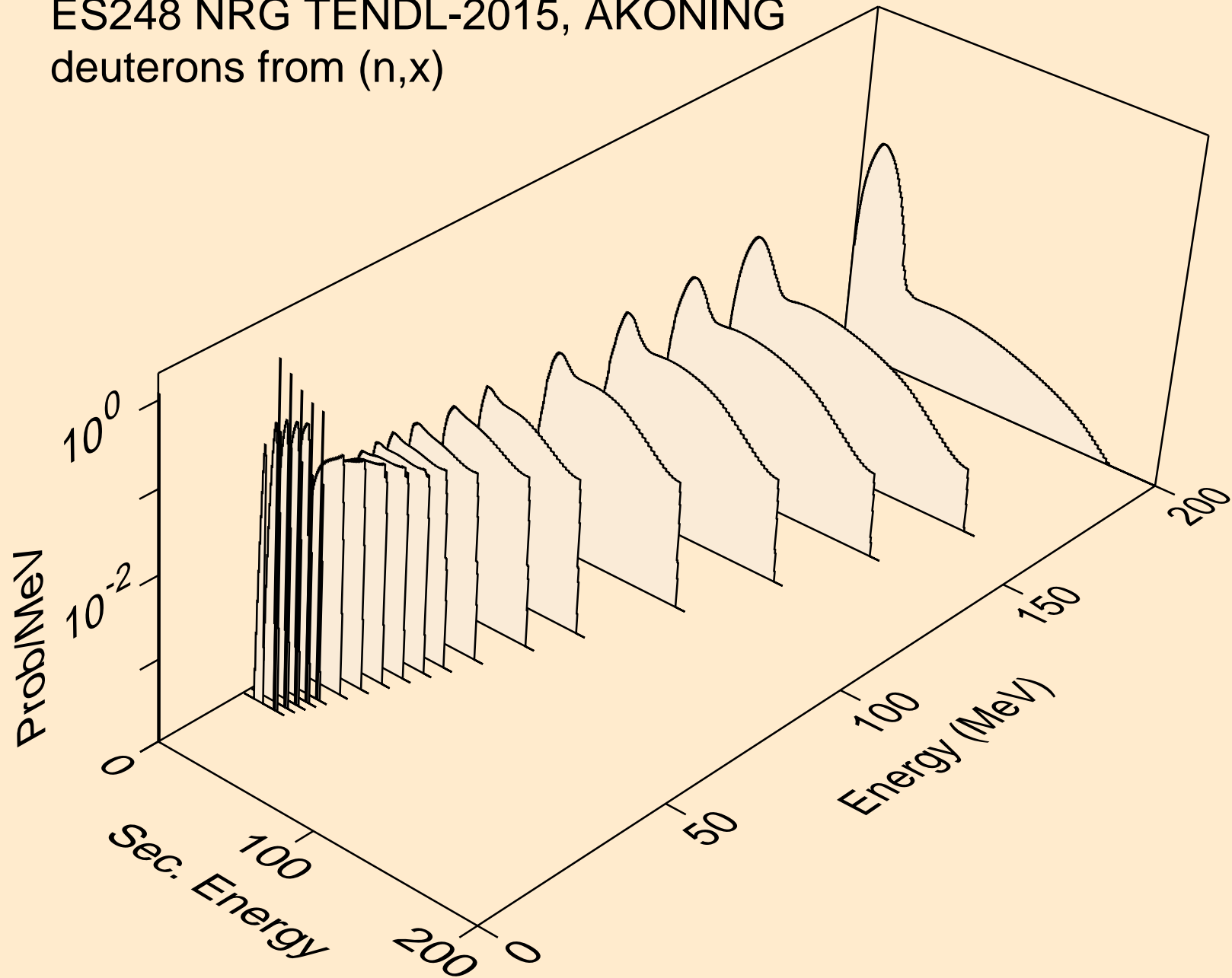
ES248 NRG TENDL-2015, AKONING  
protons from (n,pa)



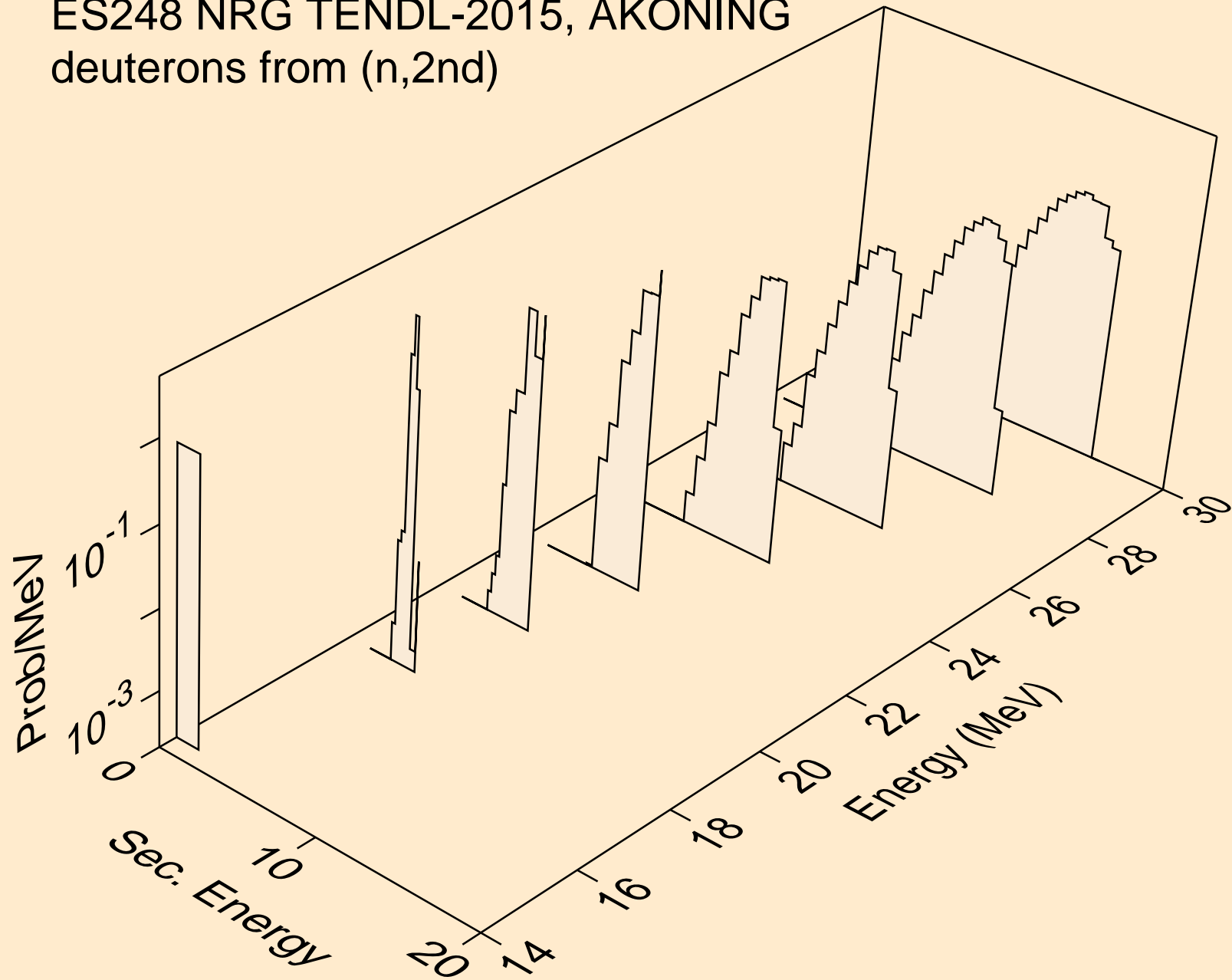
ES248 NRG TENDL-2015, AKONING  
protons from (n,pd)



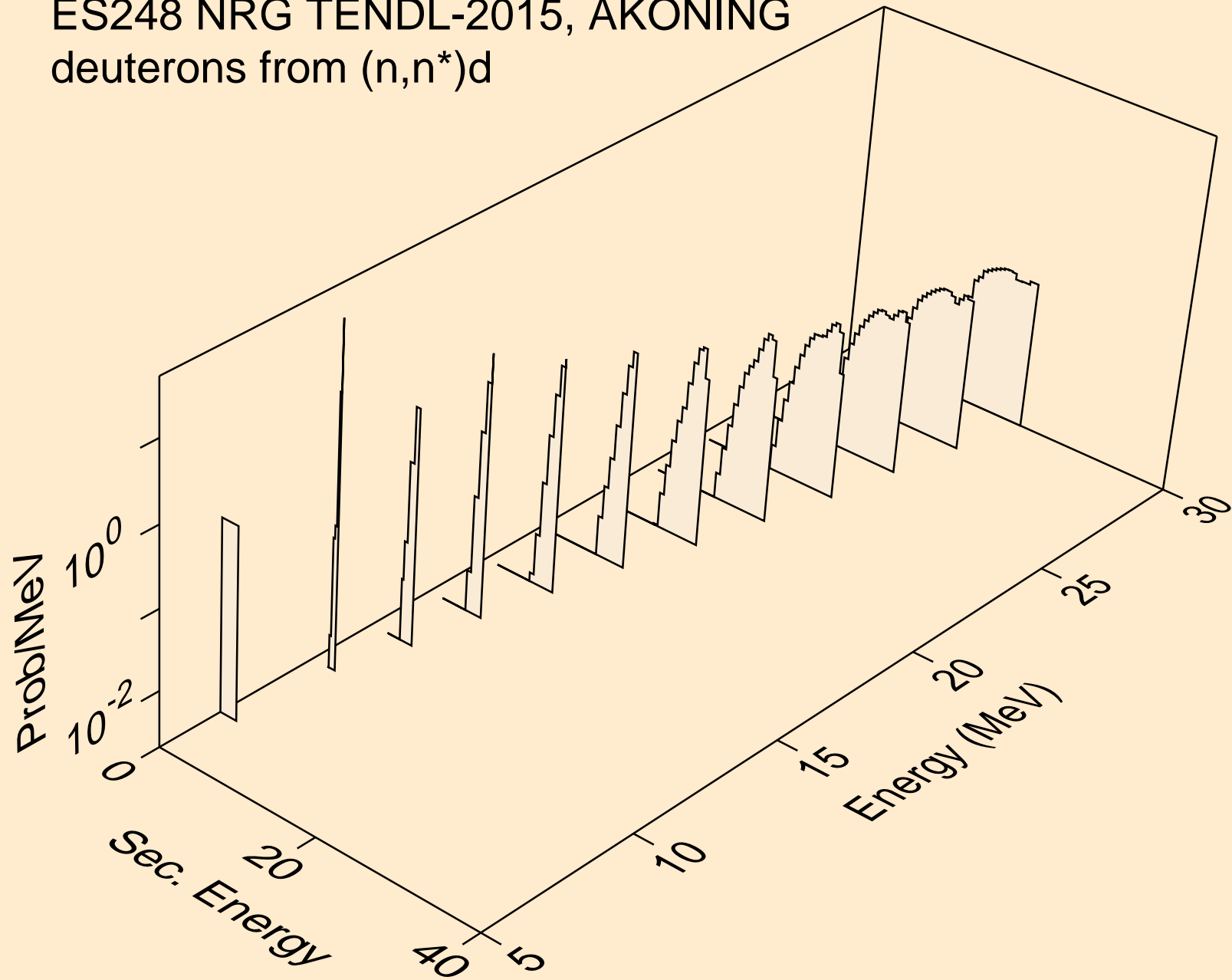
ES248 NRG TENDL-2015, AKONING  
deuterons from (n,x)



ES248 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)

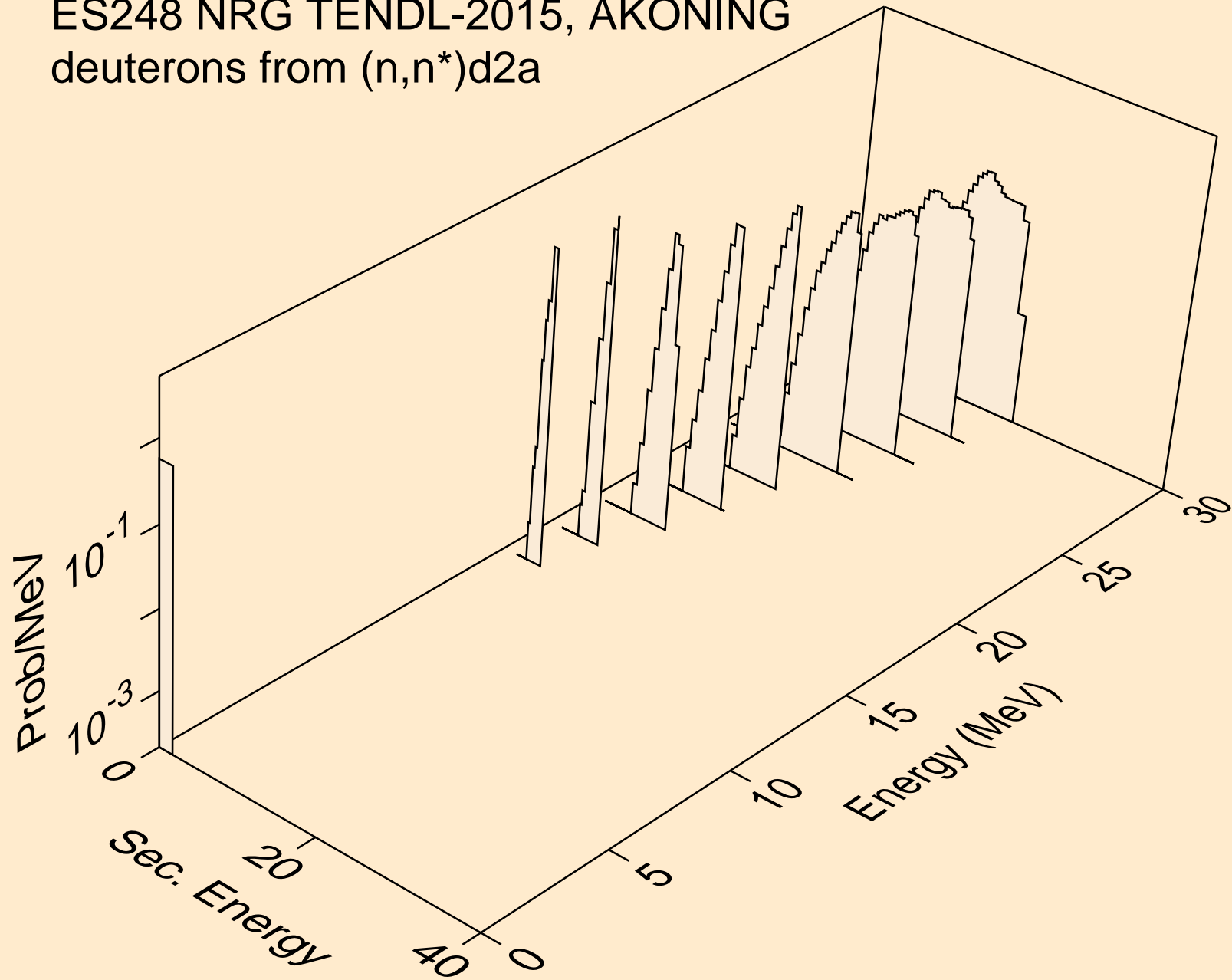


ES248 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d

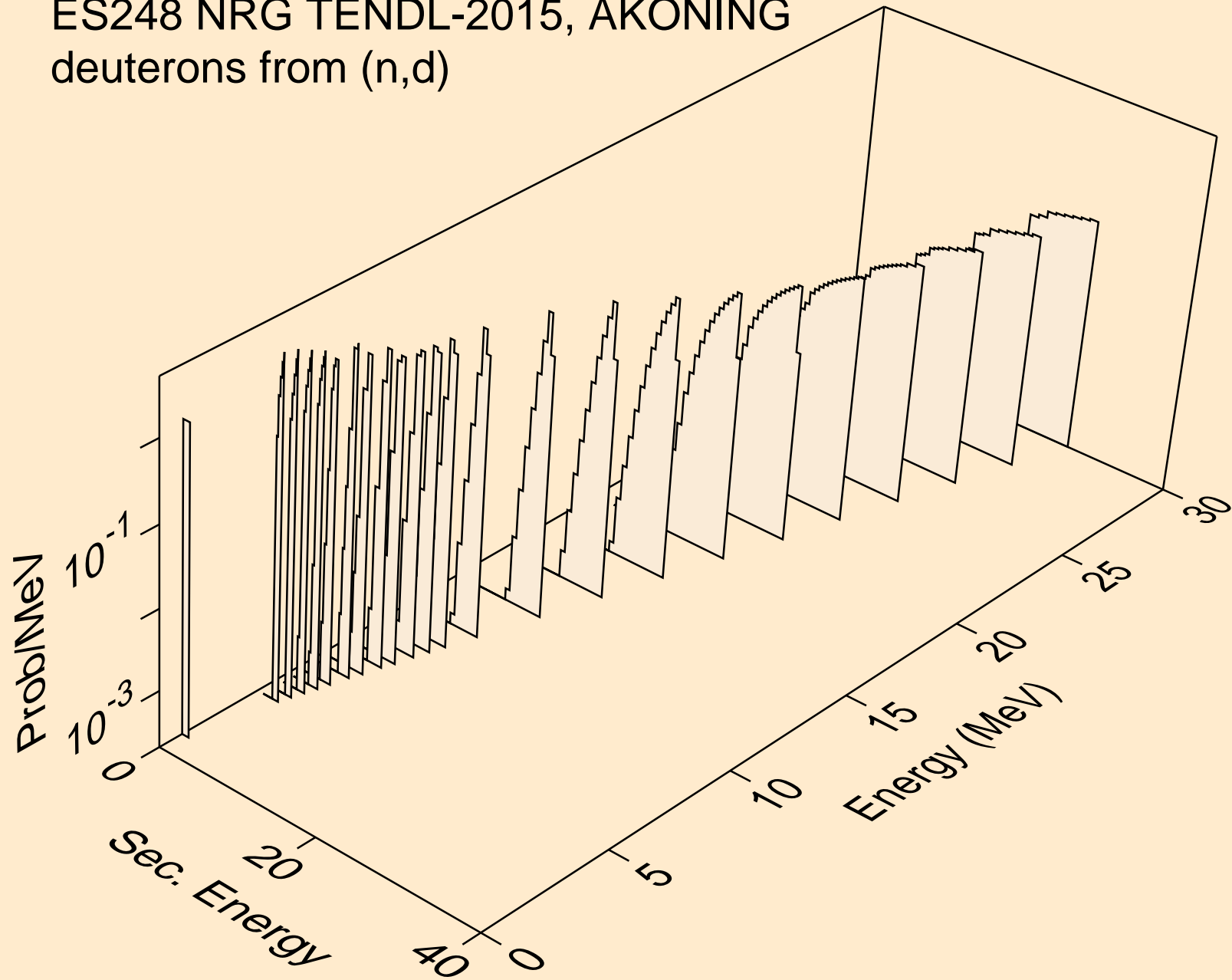




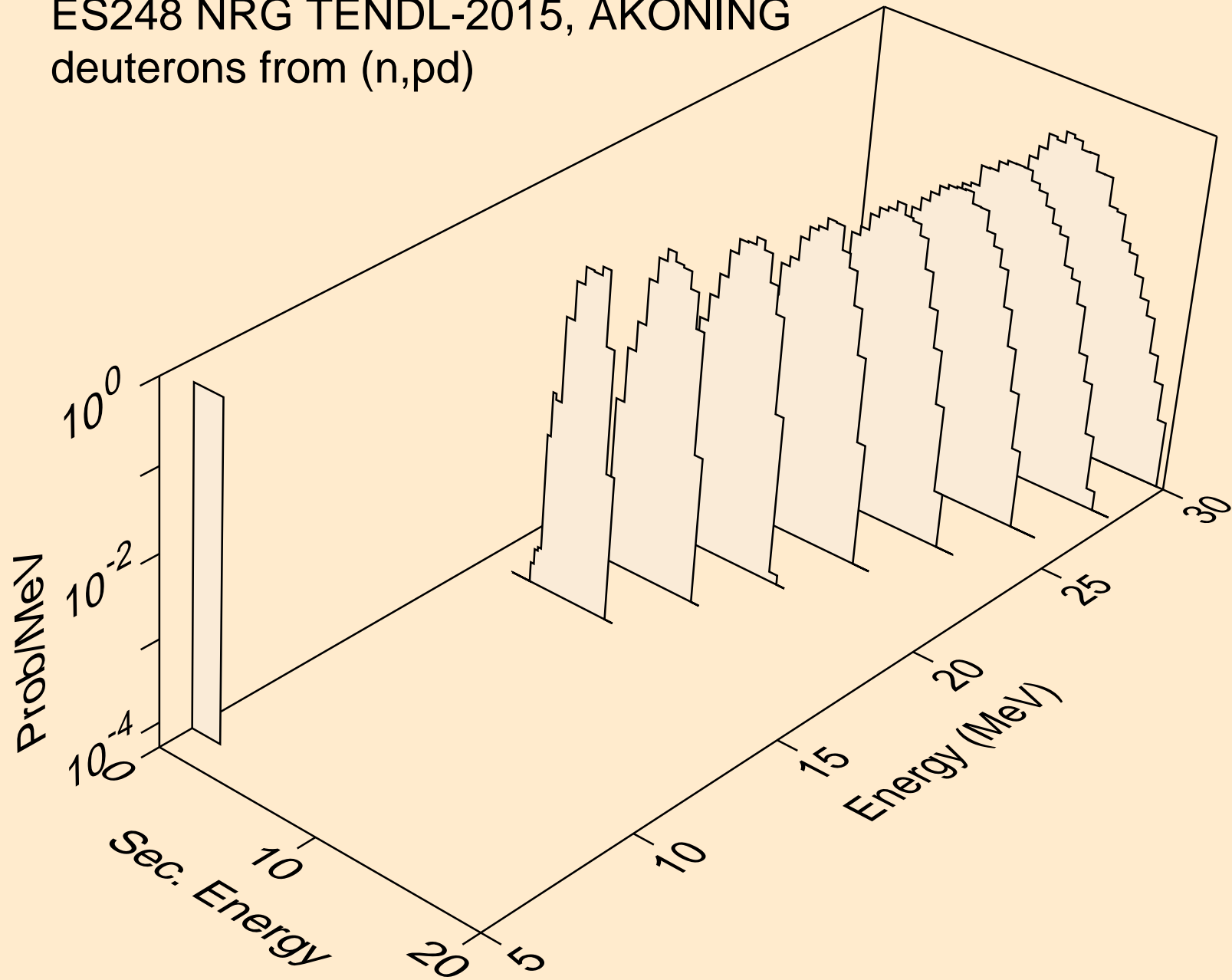
ES248 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d2a



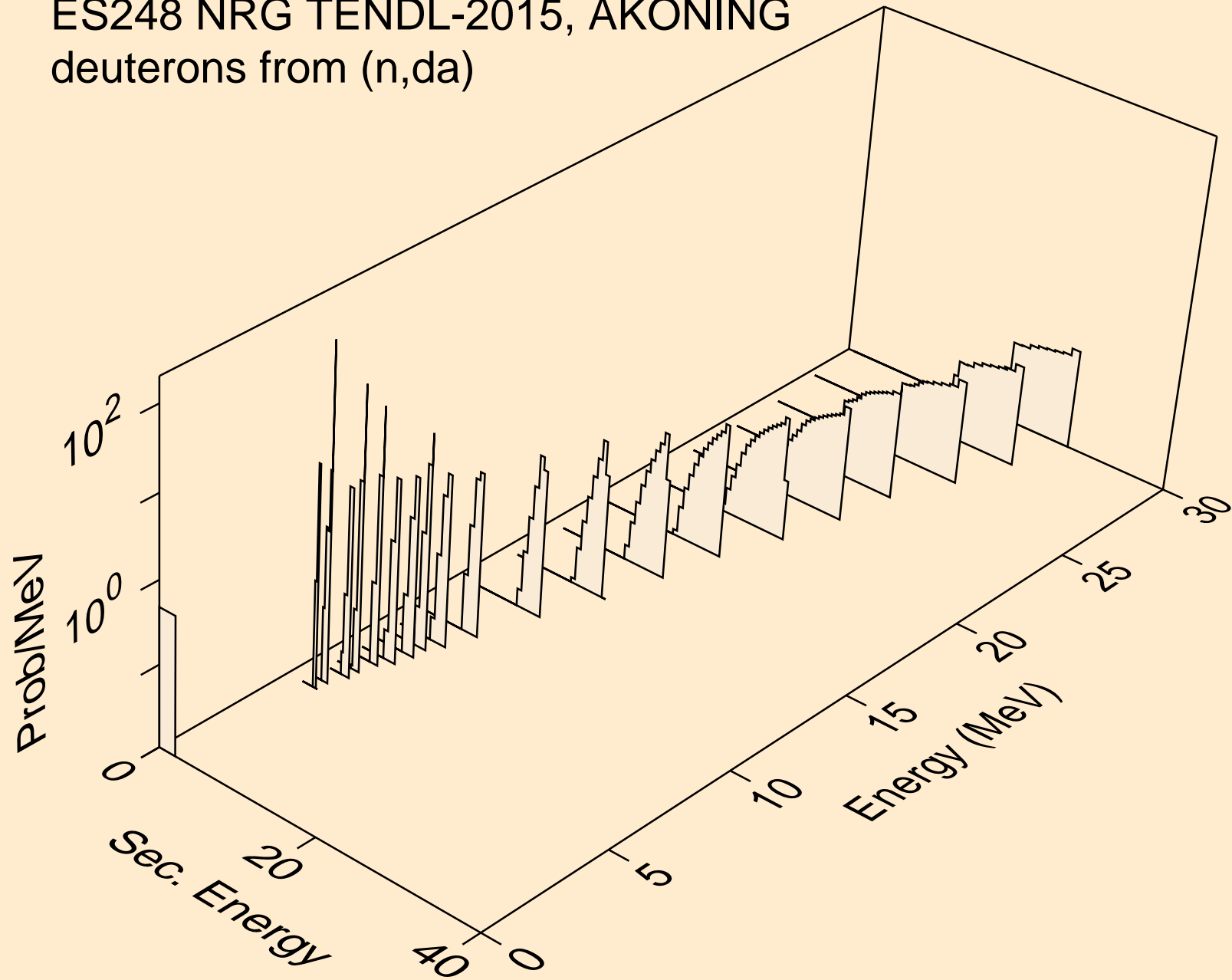
ES248 NRG TENDL-2015, AKONING  
deuterons from (n,d)



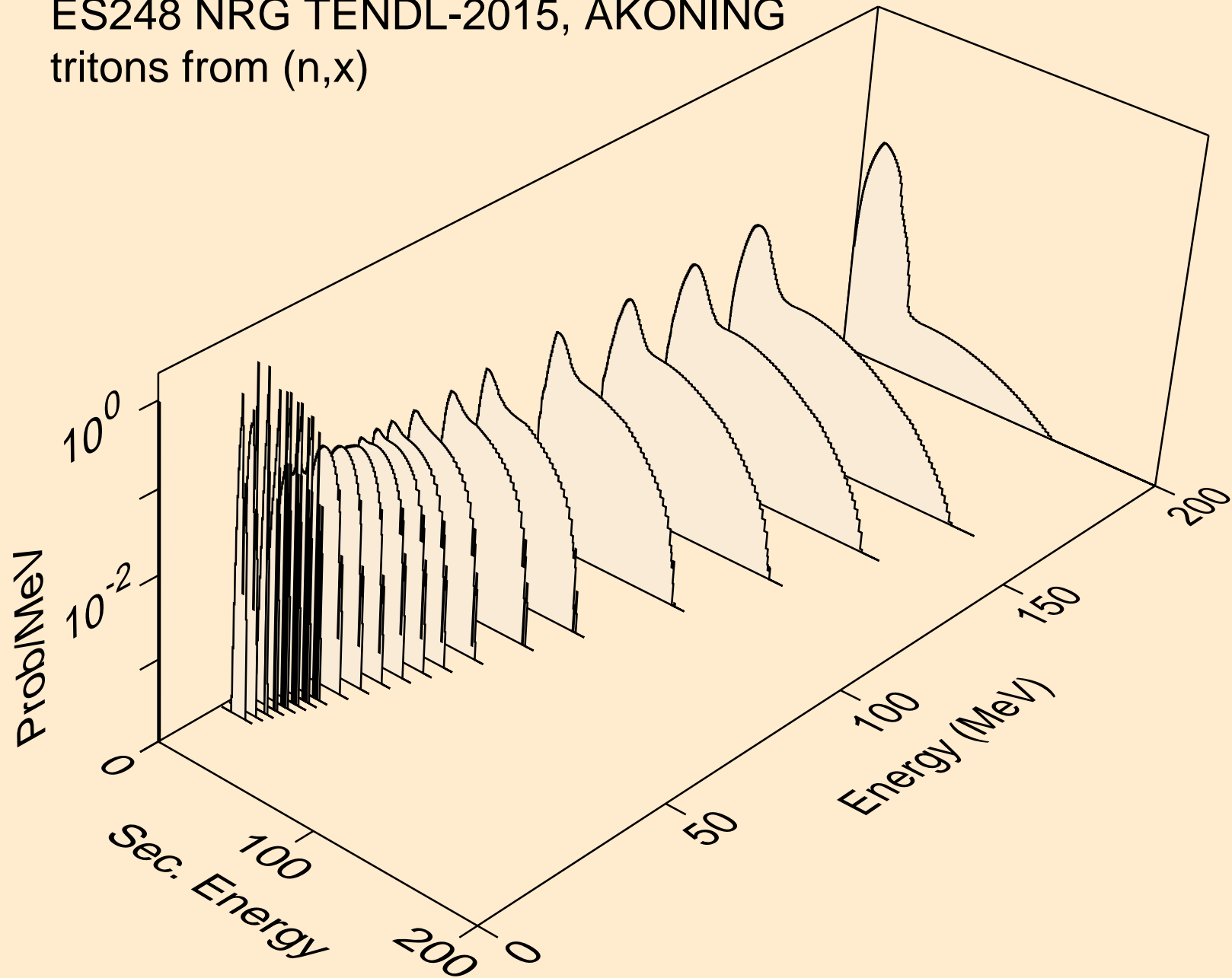
ES248 NRG TENDL-2015, AKONING  
deuterons from (n,pd)



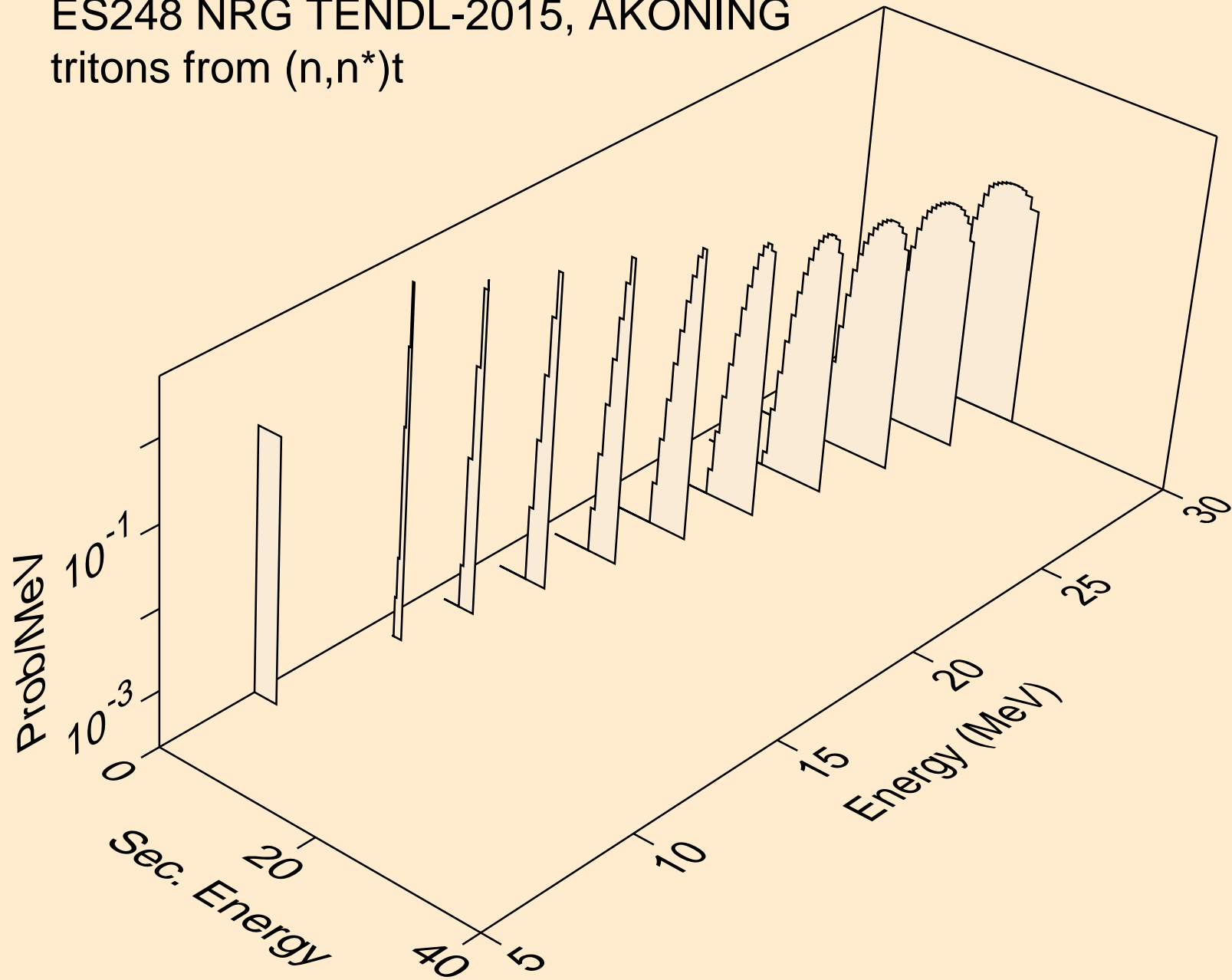
ES248 NRG TENDL-2015, AKONING  
deuterons from (n,da)



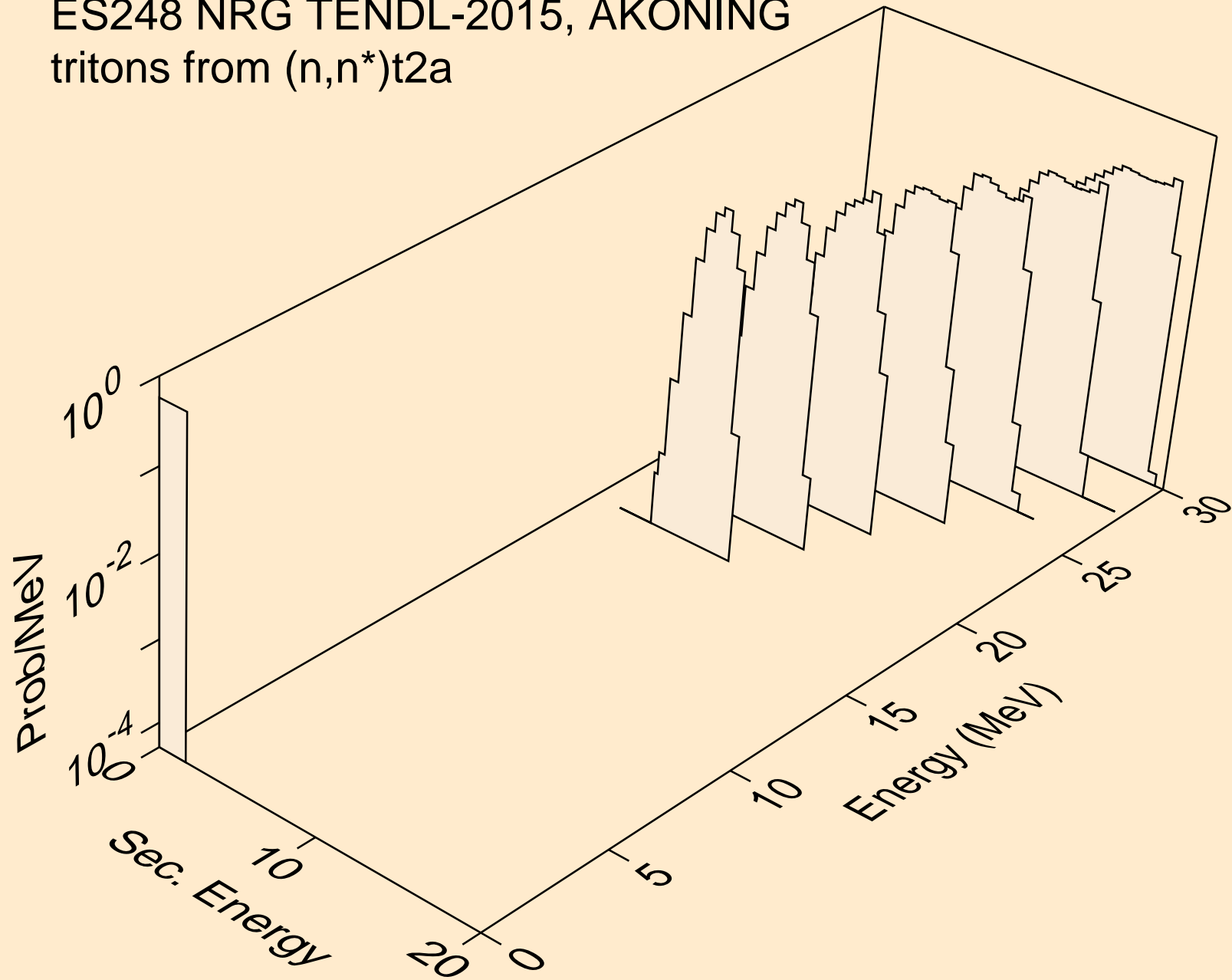
ES248 NRG TENDL-2015, AKONING  
tritons from (n,x)



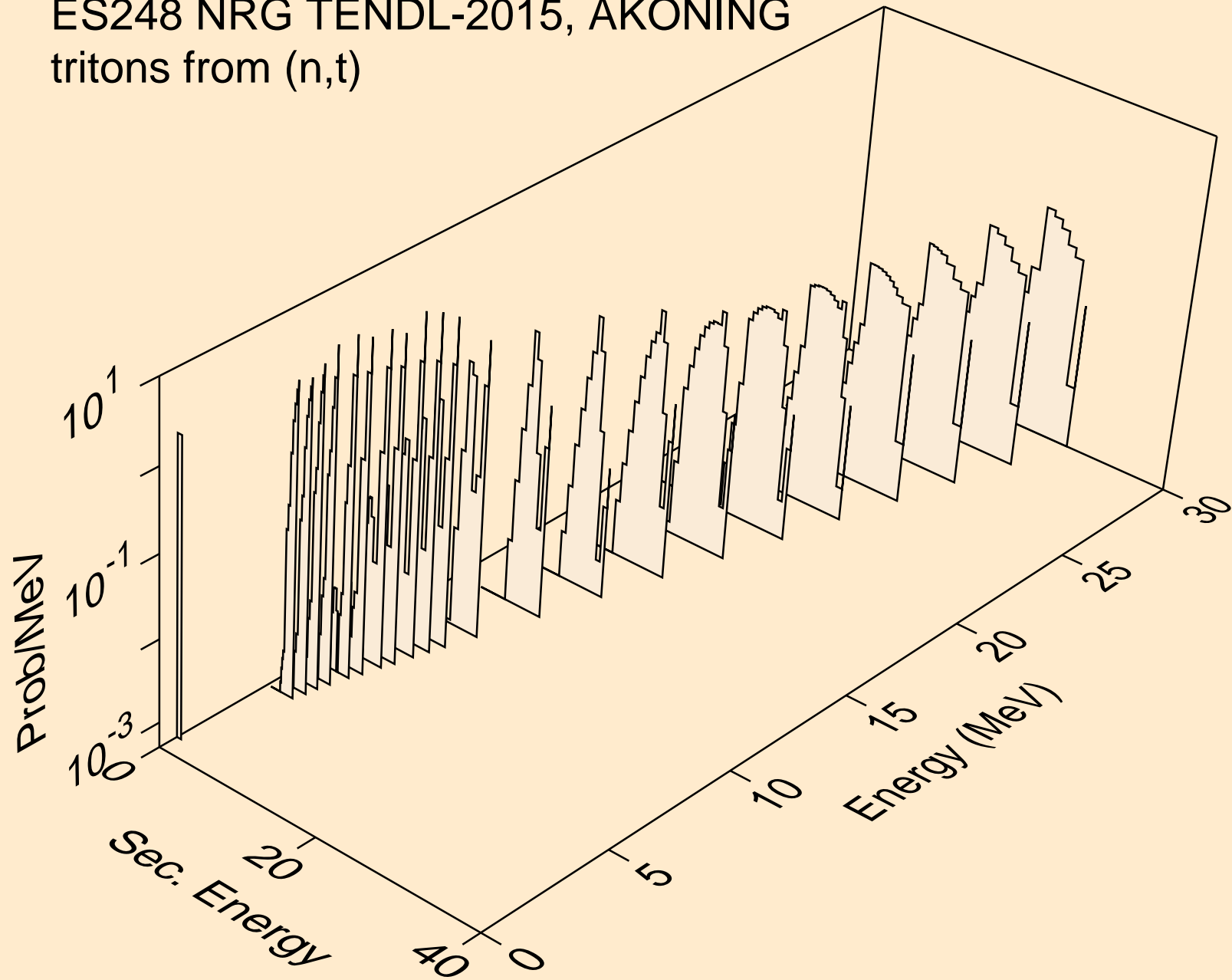
ES248 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



ES248 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t2a

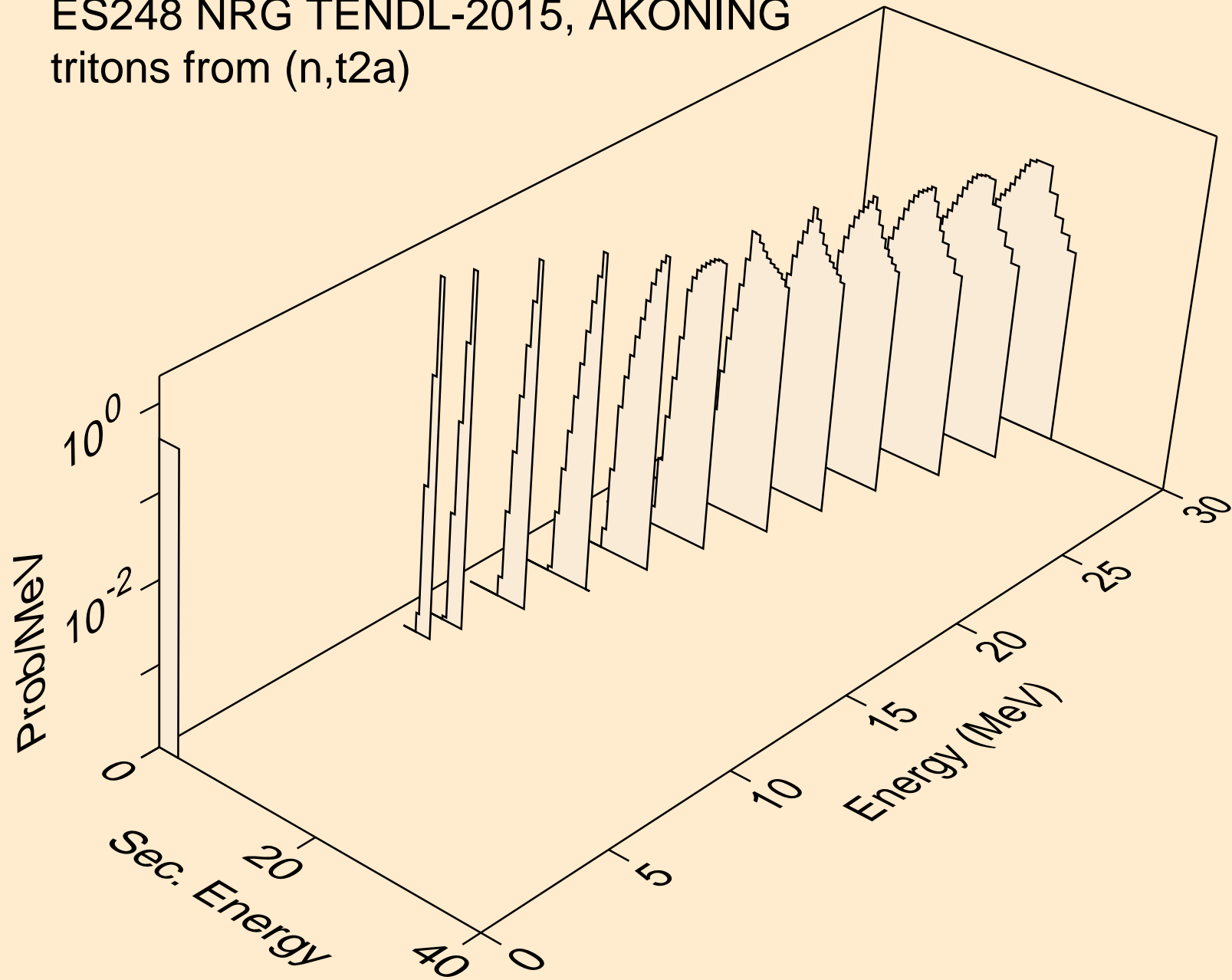


ES248 NRG TENDL-2015, AKONING  
tritons from (n,t)

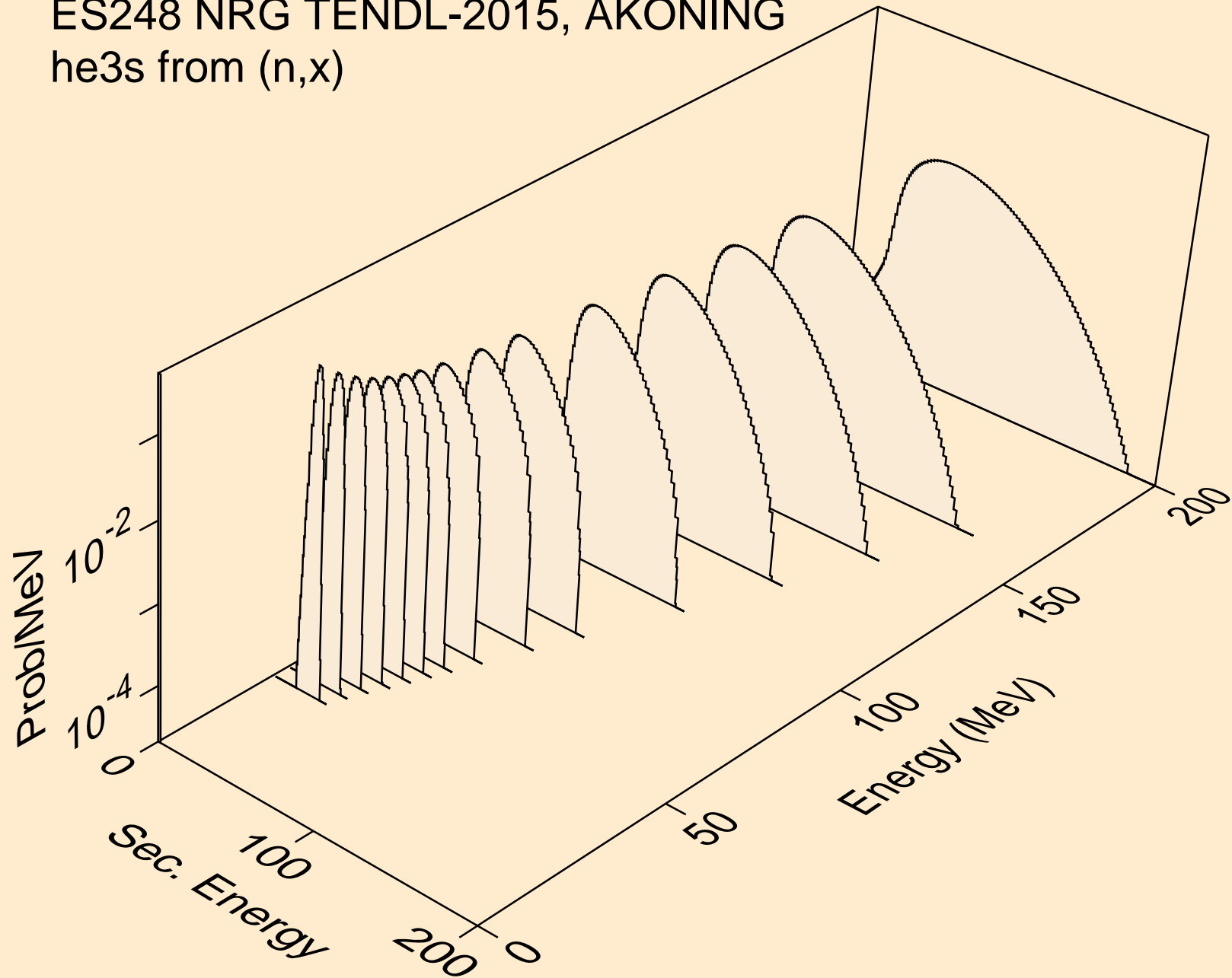




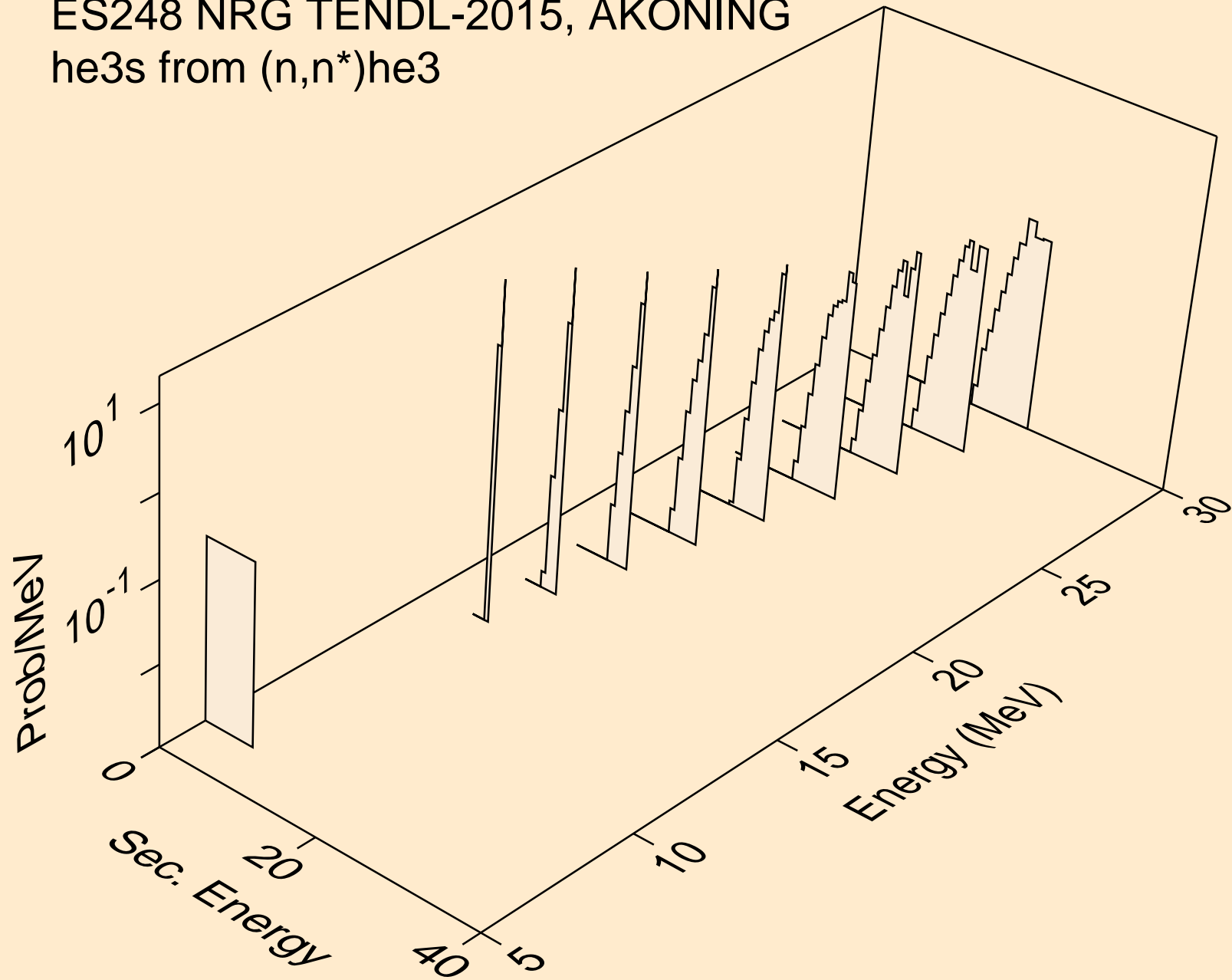
ES248 NRG TENDL-2015, AKONING  
tritons from (n,t2a)



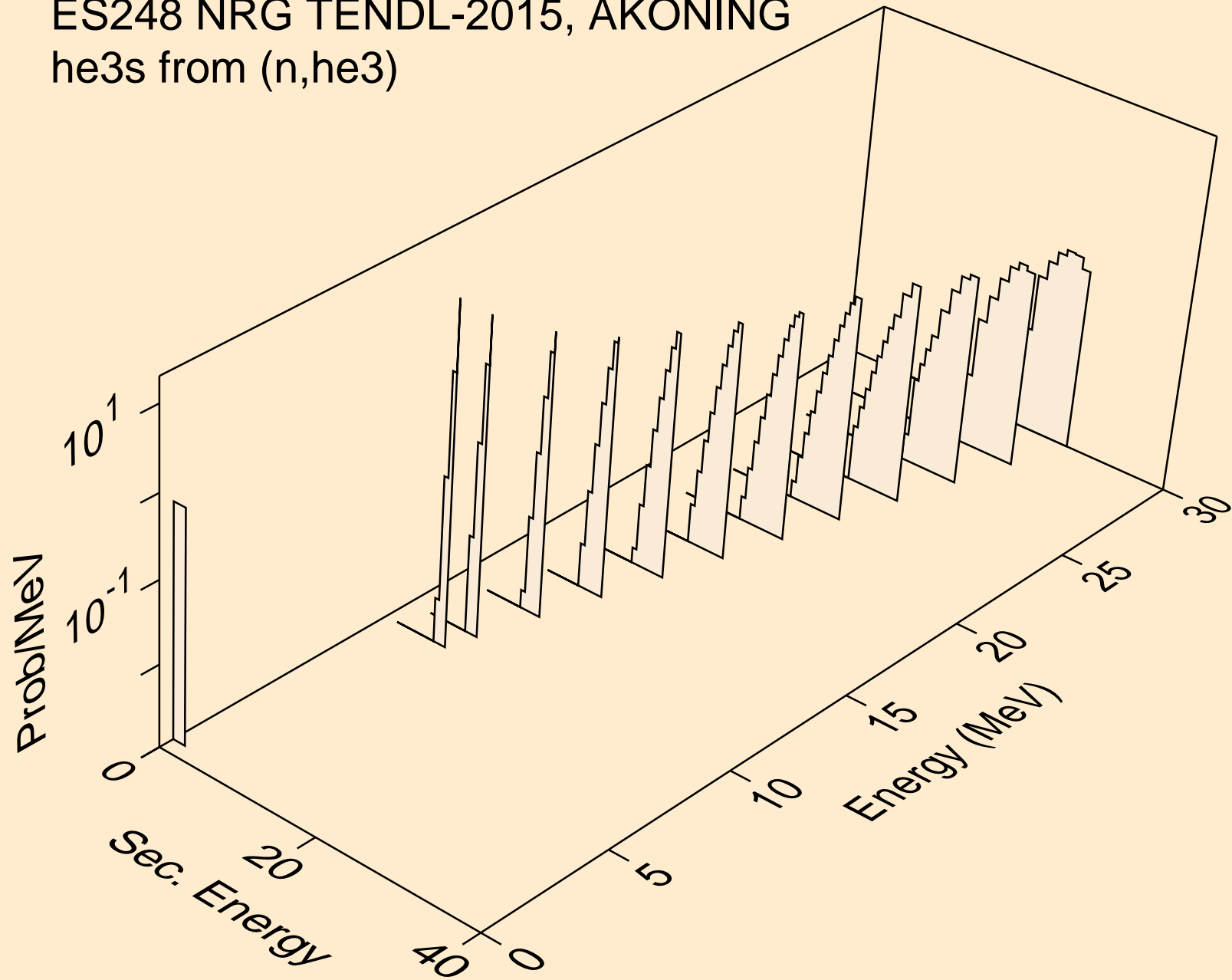
ES248 NRG TENDL-2015, AKONING  
he3s from (n,x)



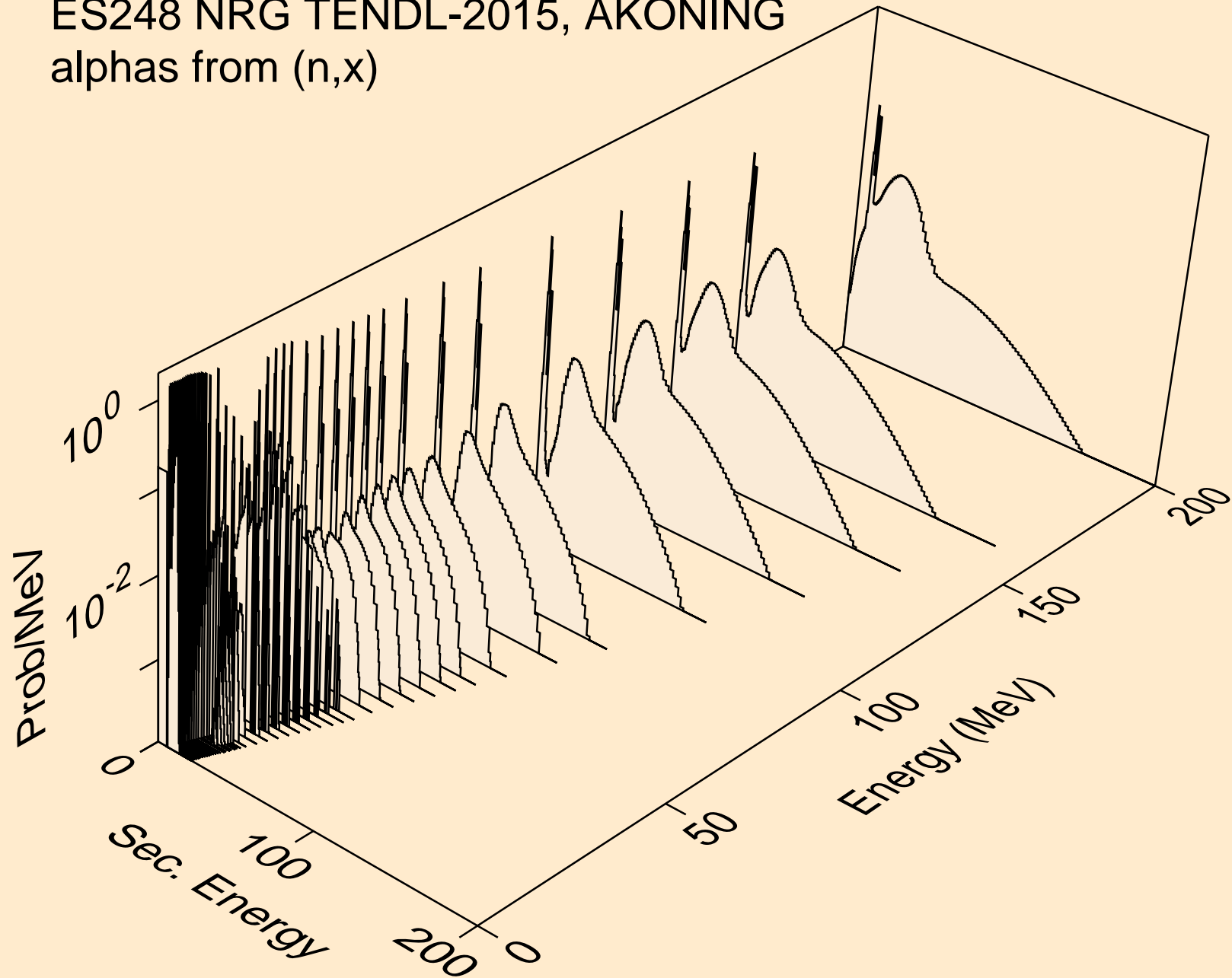
ES248 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



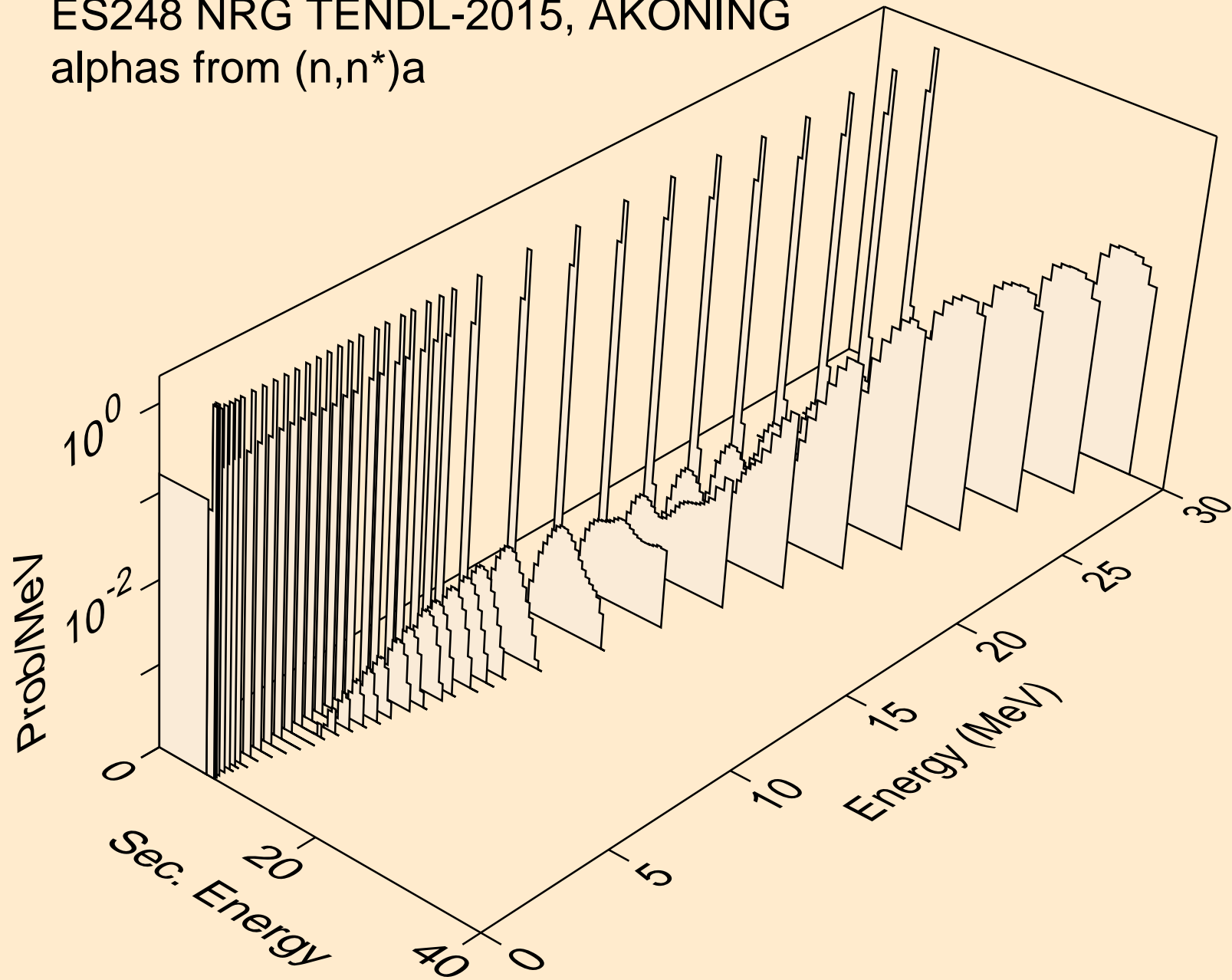
ES248 NRG TENDL-2015, AKONING  
he3s from (n,he3)



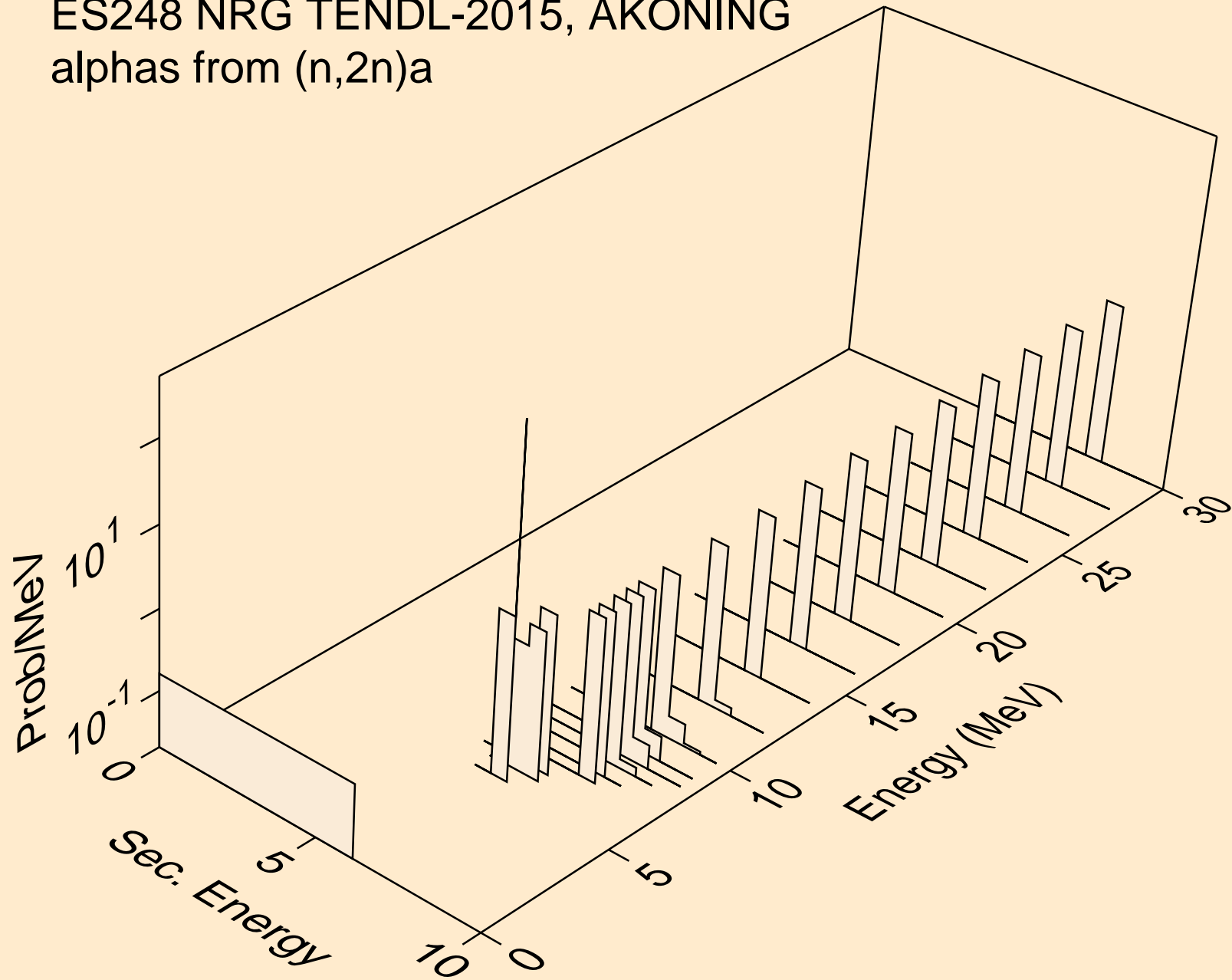
ES248 NRG TENDL-2015, AKONING  
alphas from (n,x)



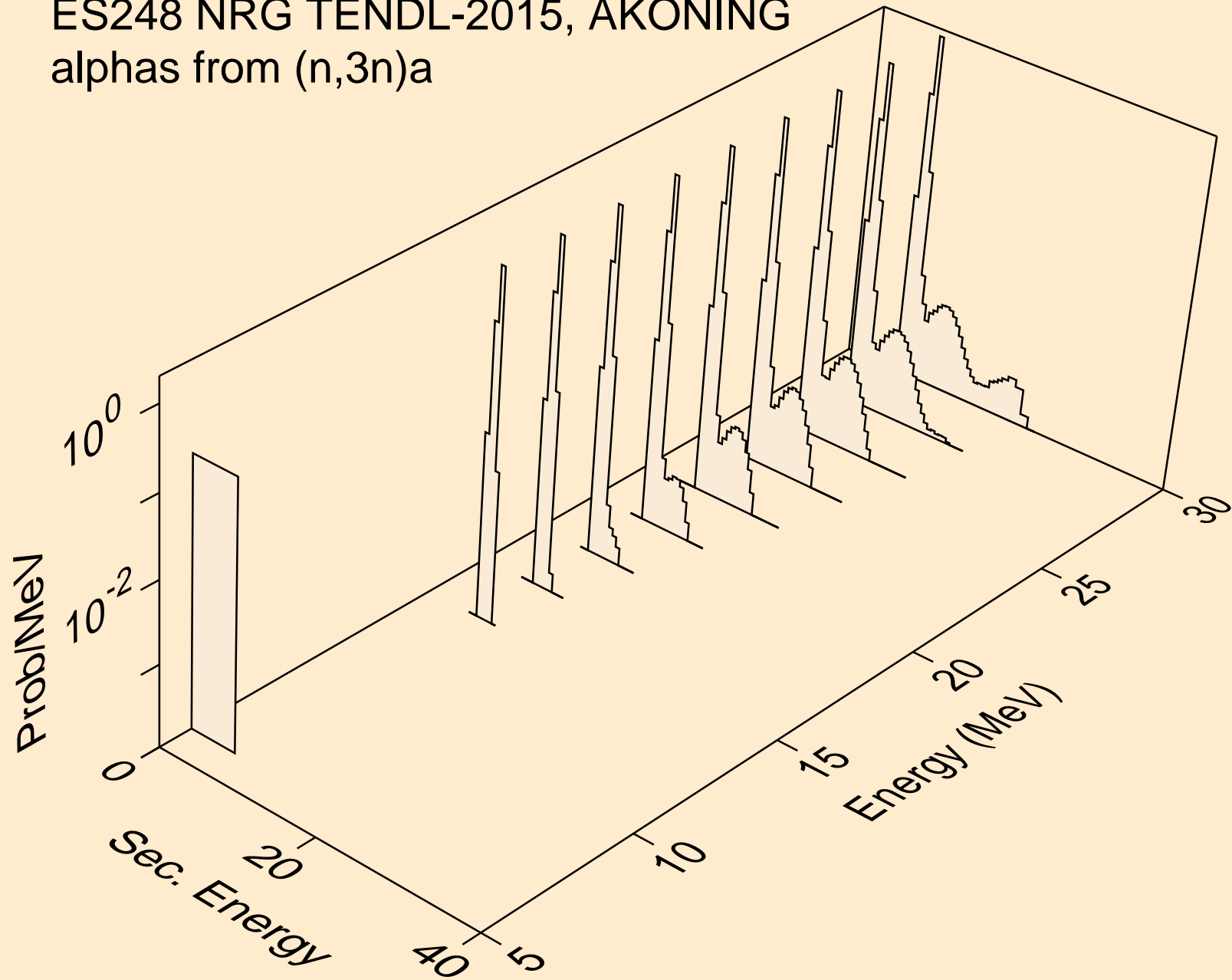
ES248 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



ES248 NRG TENDL-2015, AKONING  
alphas from (n,2n)a

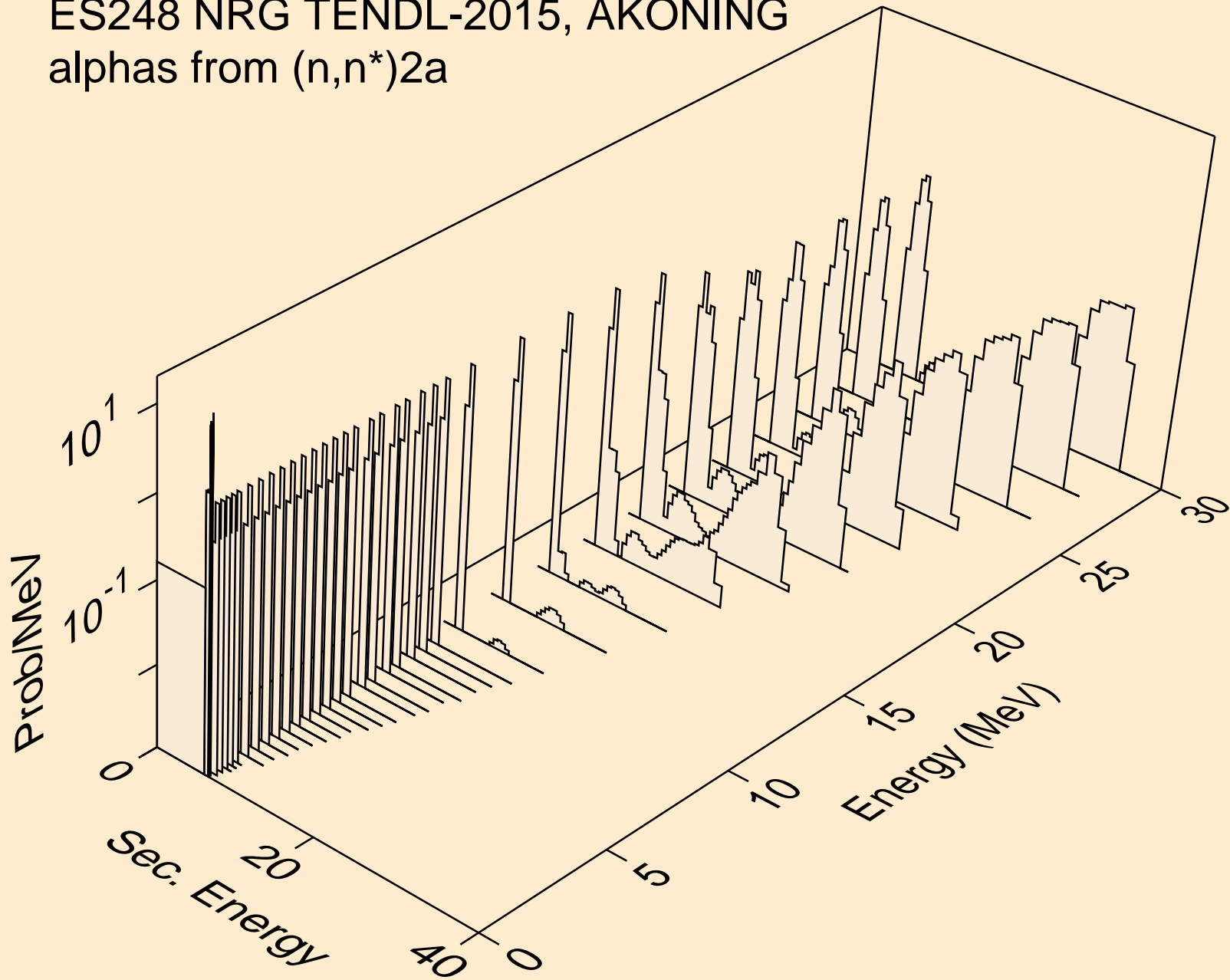


ES248 NRG TENDL-2015, AKONING  
alphas from (n,3n)a

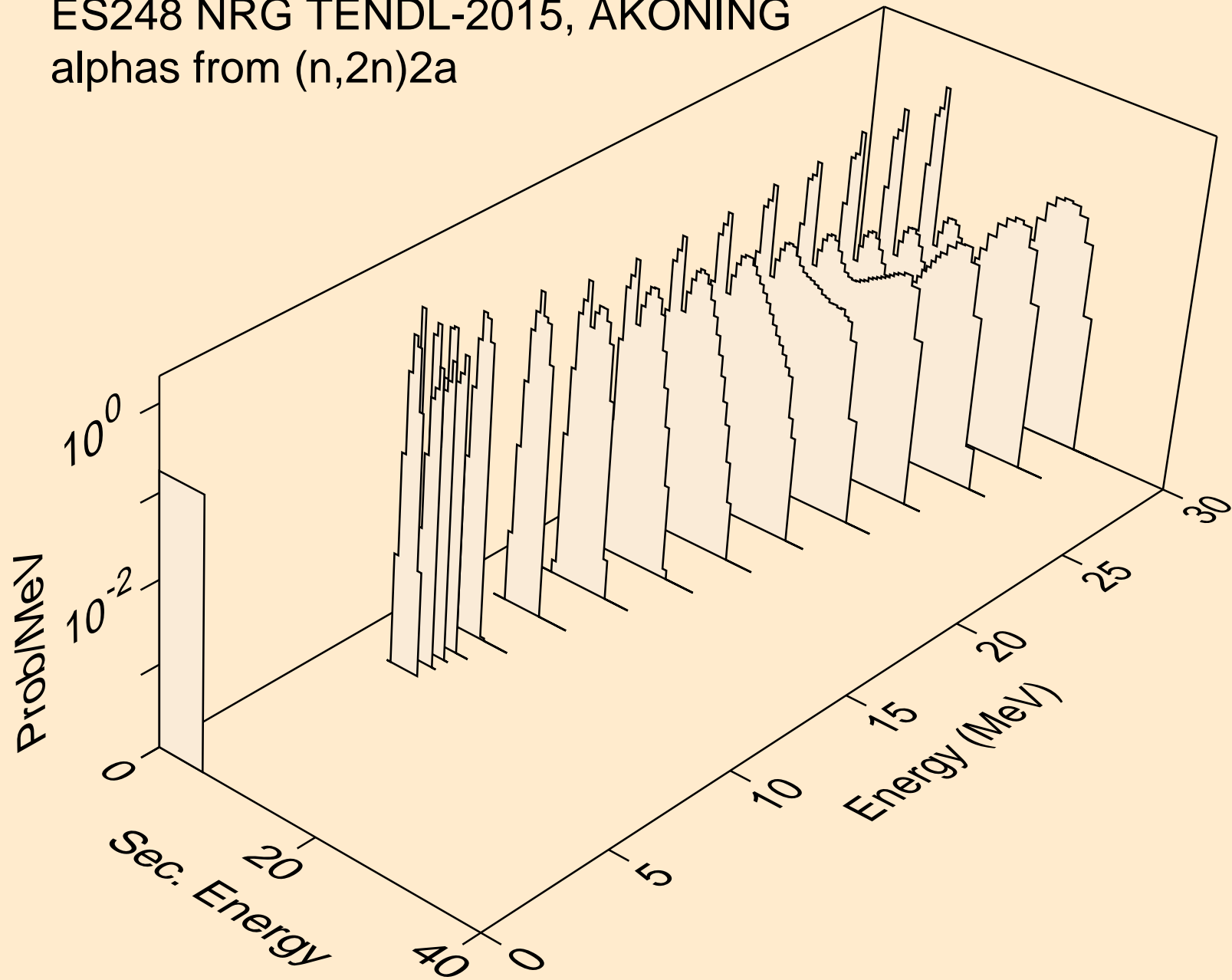




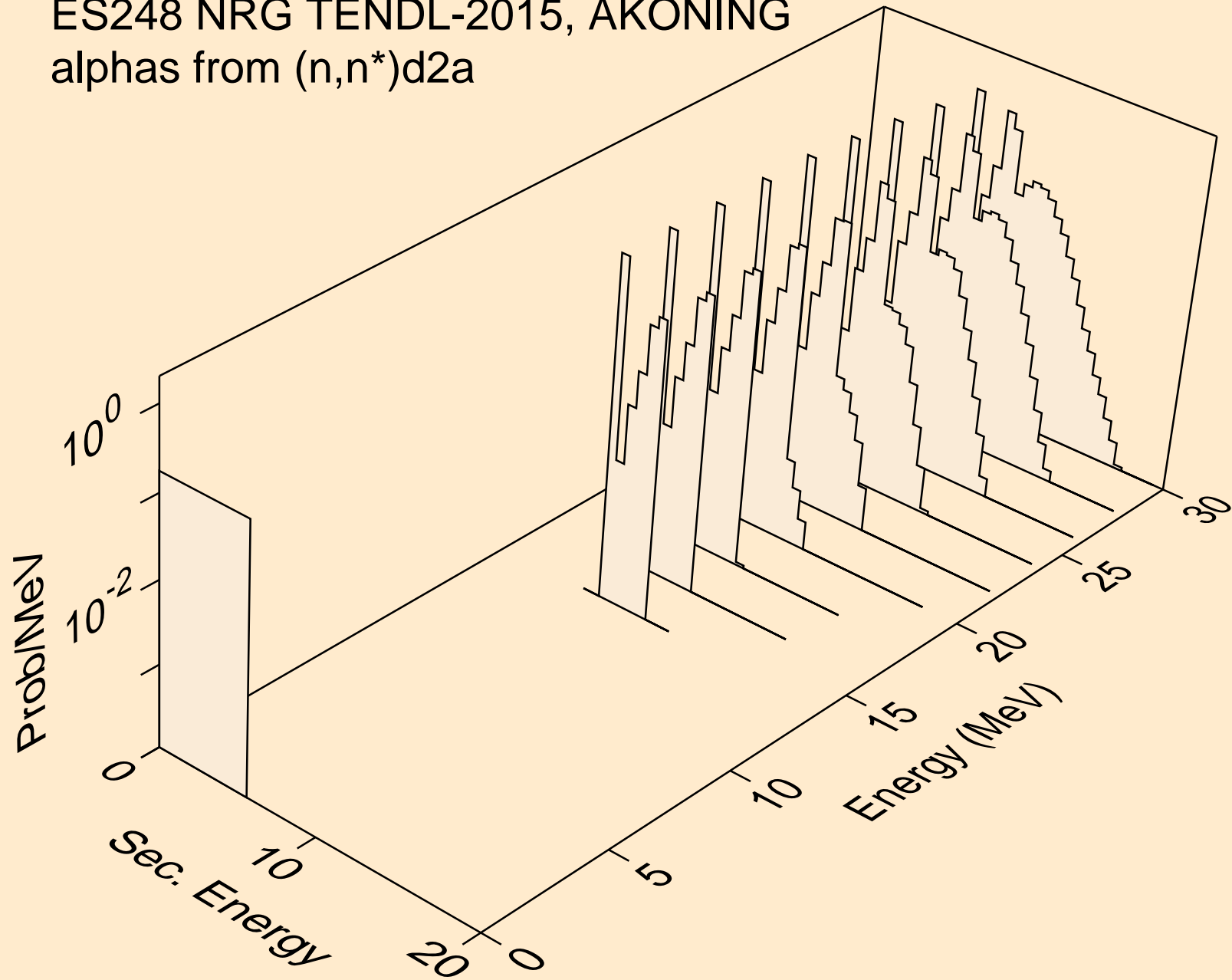
ES248 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



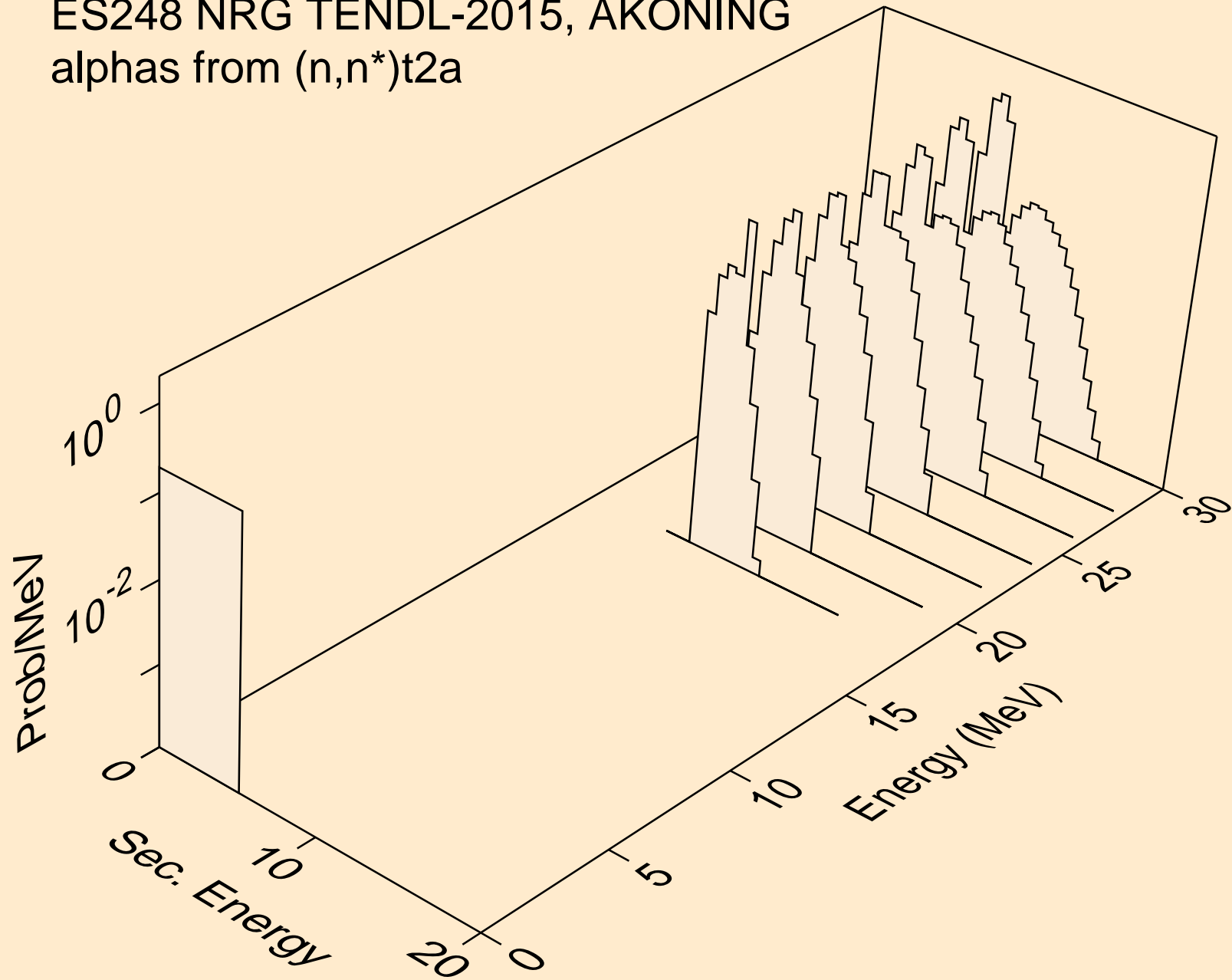
ES248 NRG TENDL-2015, AKONING  
alphas from (n,2n)2a



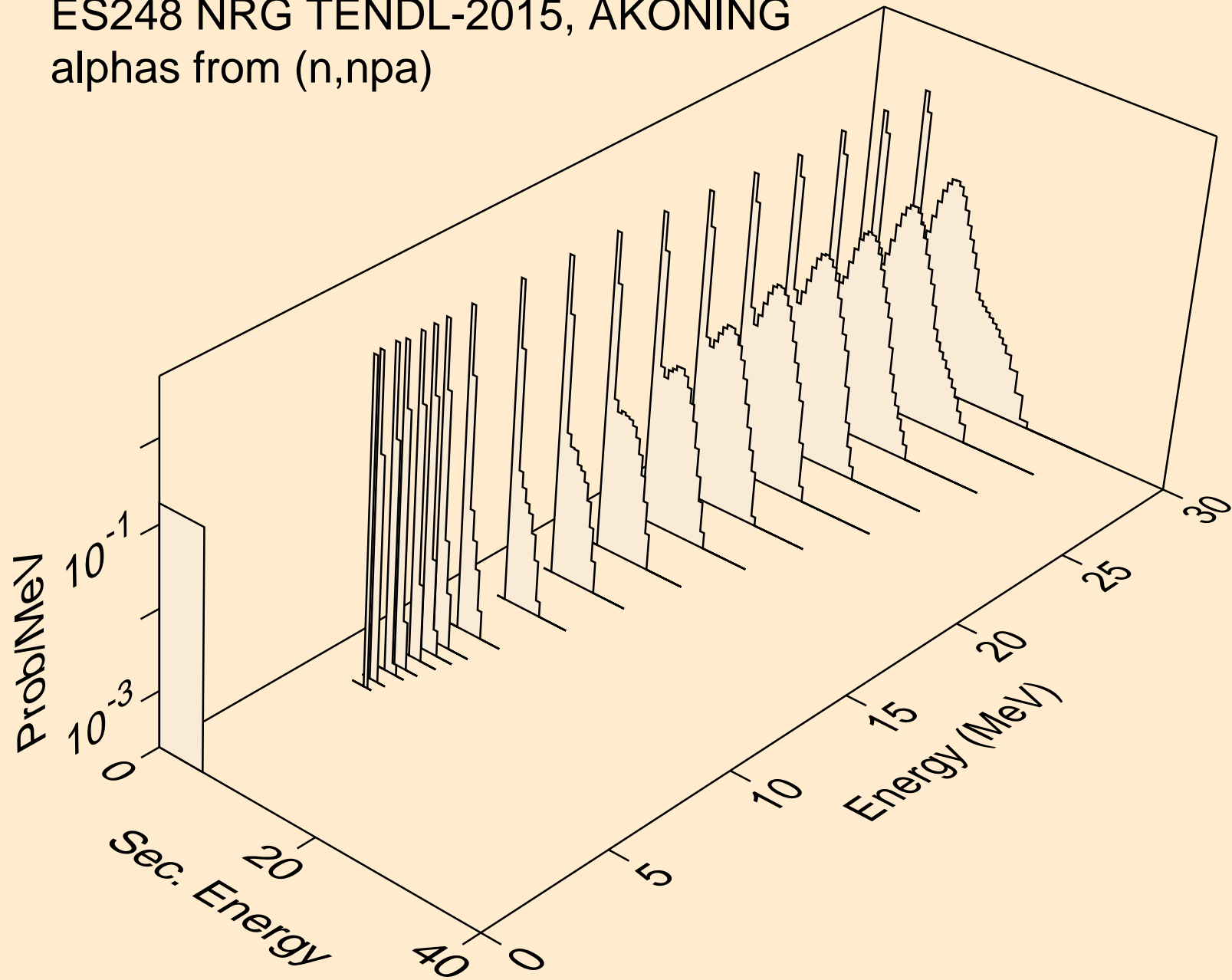
ES248 NRG TENDL-2015, AKONING  
alphas from (n,n\*)d2a



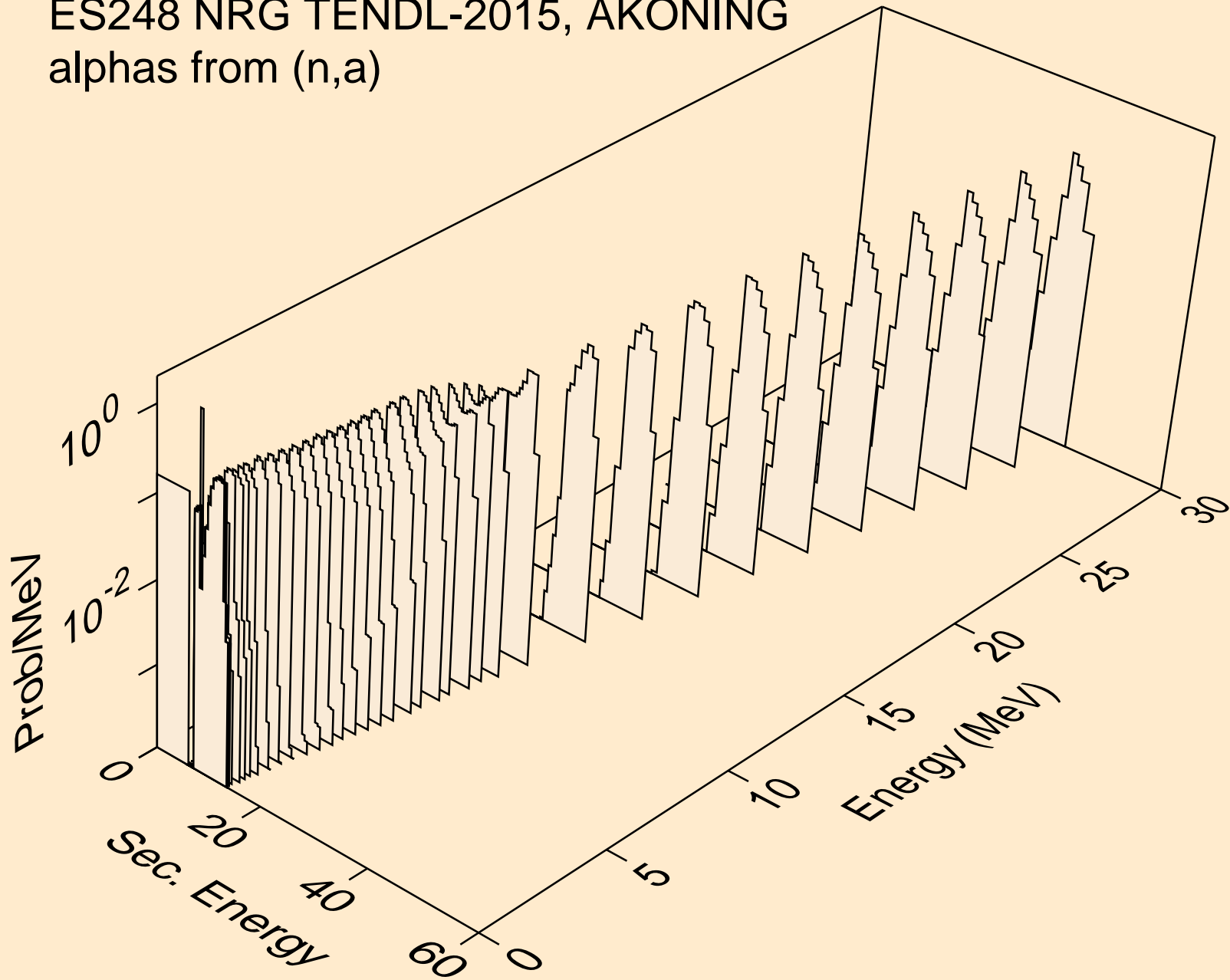
ES248 NRG TENDL-2015, AKONING  
alphas from (n,n\*)t2a



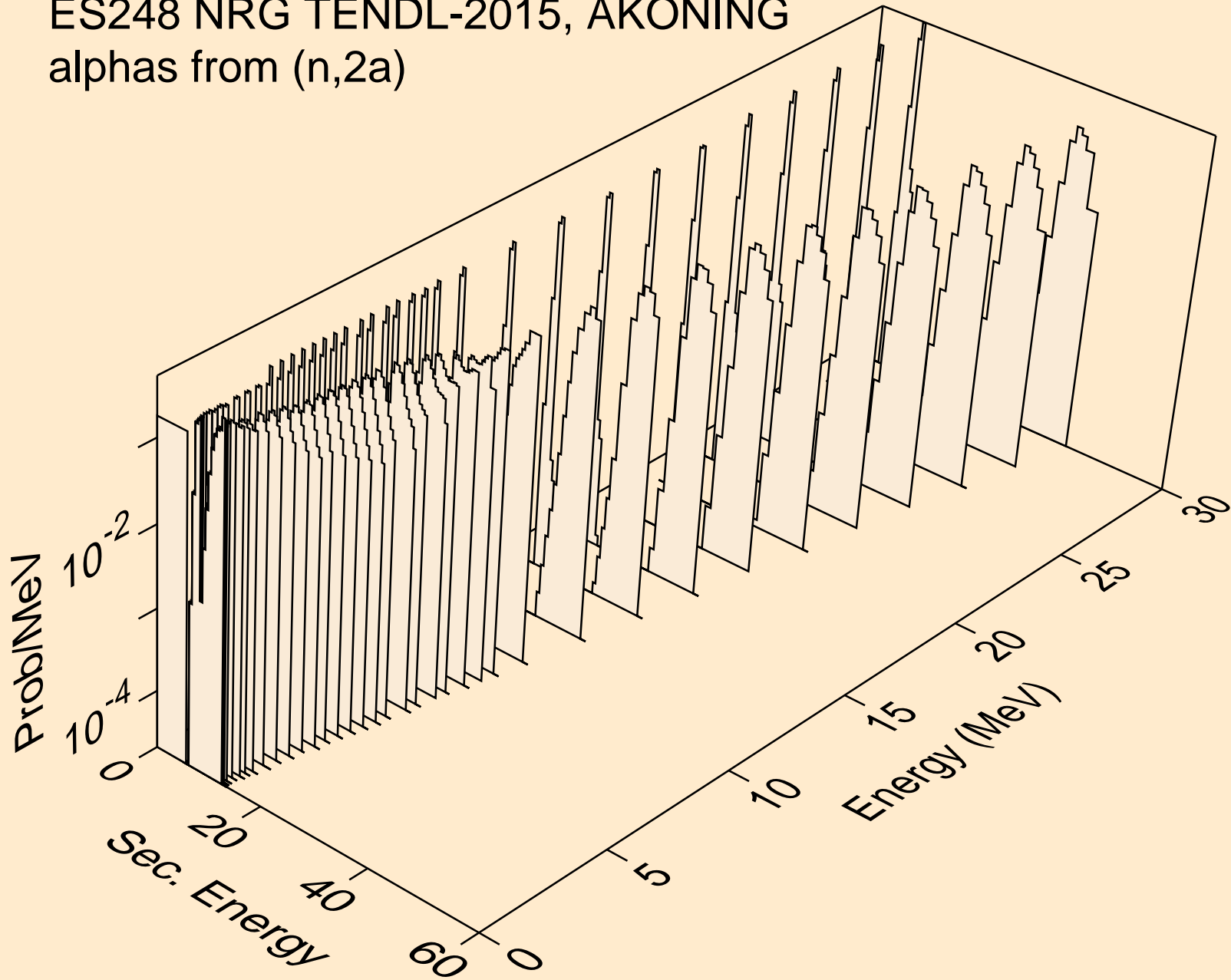
ES248 NRG TENDL-2015, AKONING  
alphas from (n,npa)



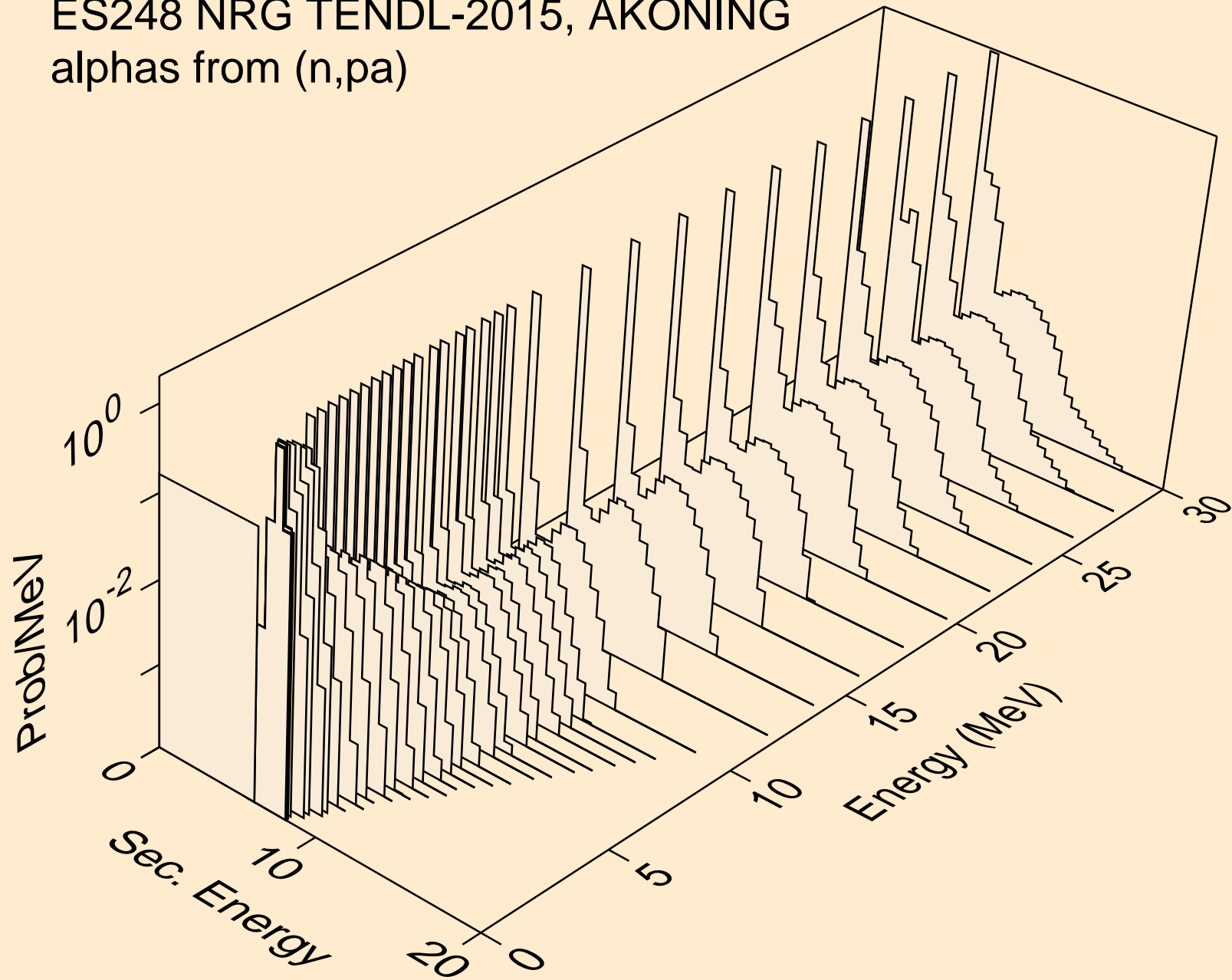
ES248 NRG TENDL-2015, AKONING  
alphas from (n,a)



ES248 NRG TENDL-2015, AKONING  
alphas from (n,2a)

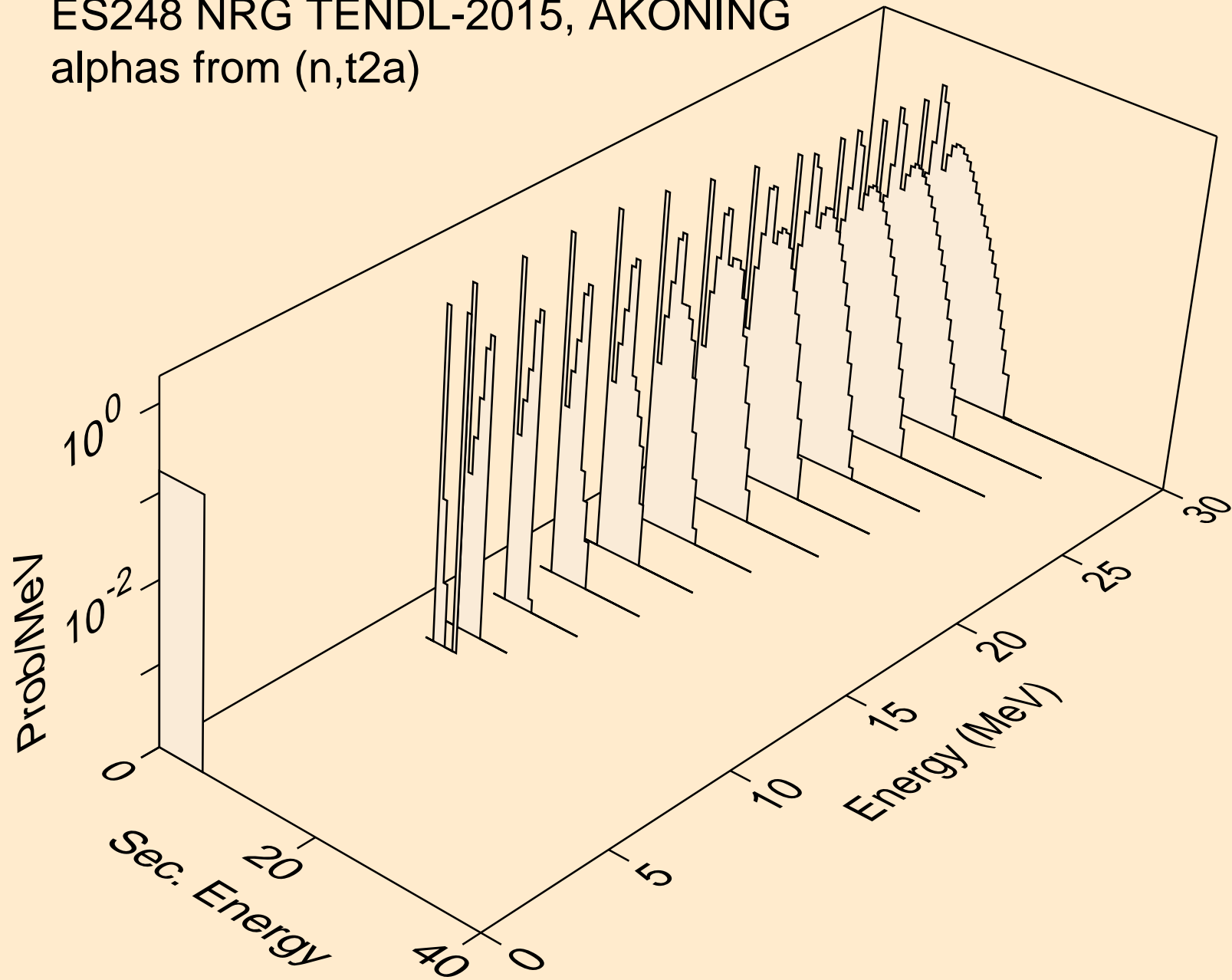


ES248 NRG TENDL-2015, AKONING  
alphas from (n,pa)





ES248 NRG TENDL-2015, AKONING  
alphas from (n,t2a)



ES248 NRG TENDL-2015, AKONING  
alphas from (n,da)

