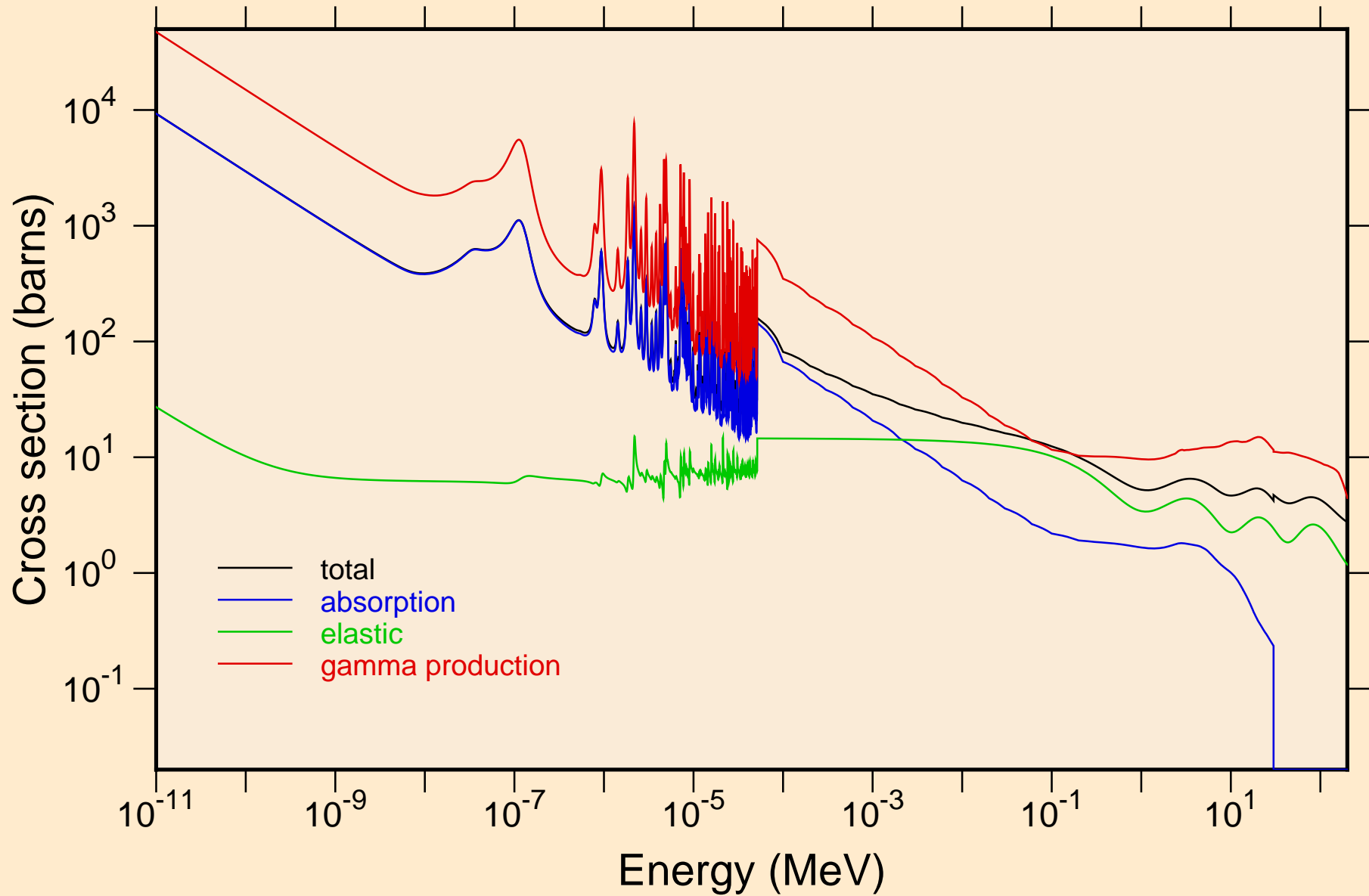
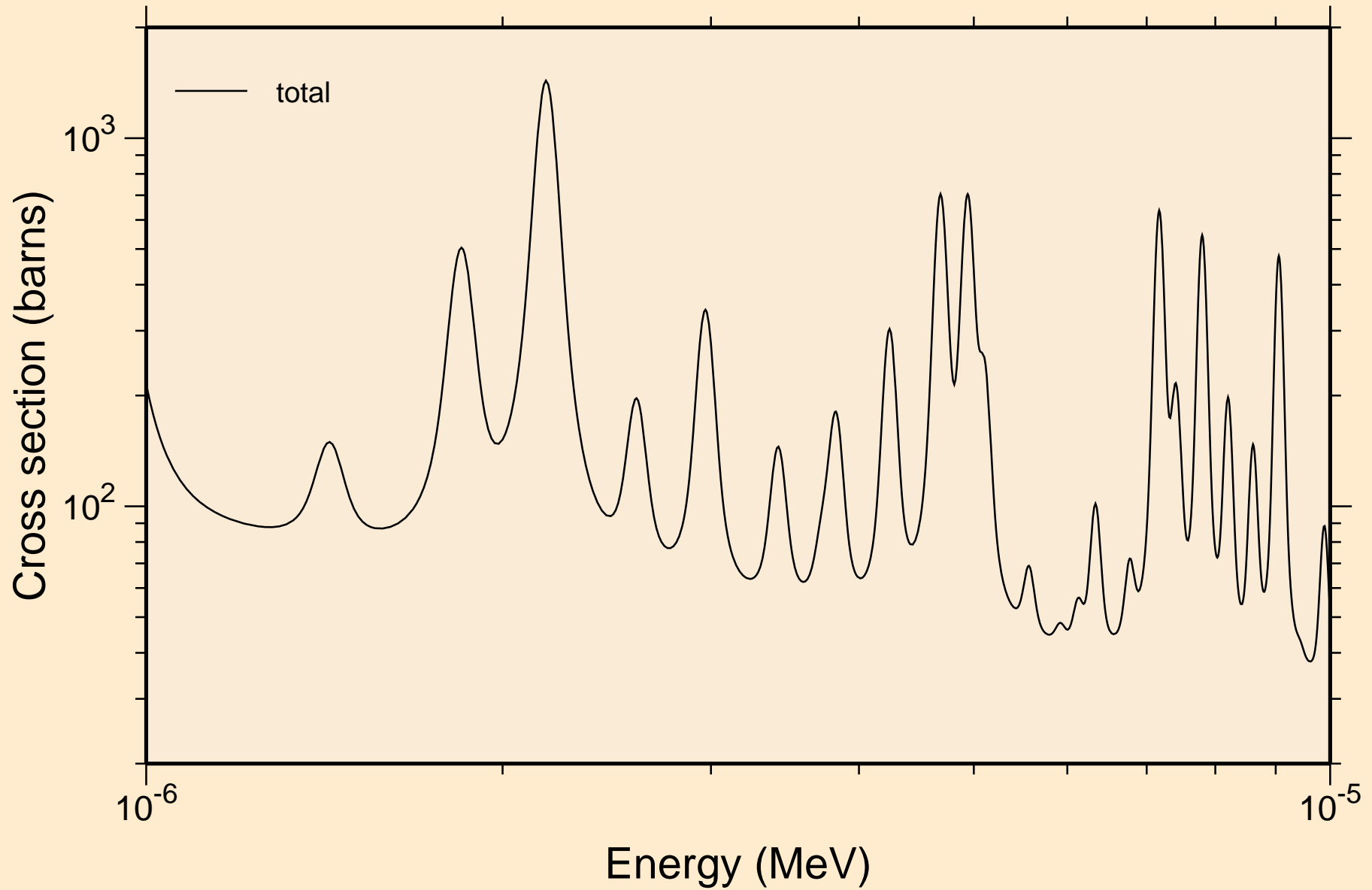


# HG181 NRG TENDL-2015, AKONING

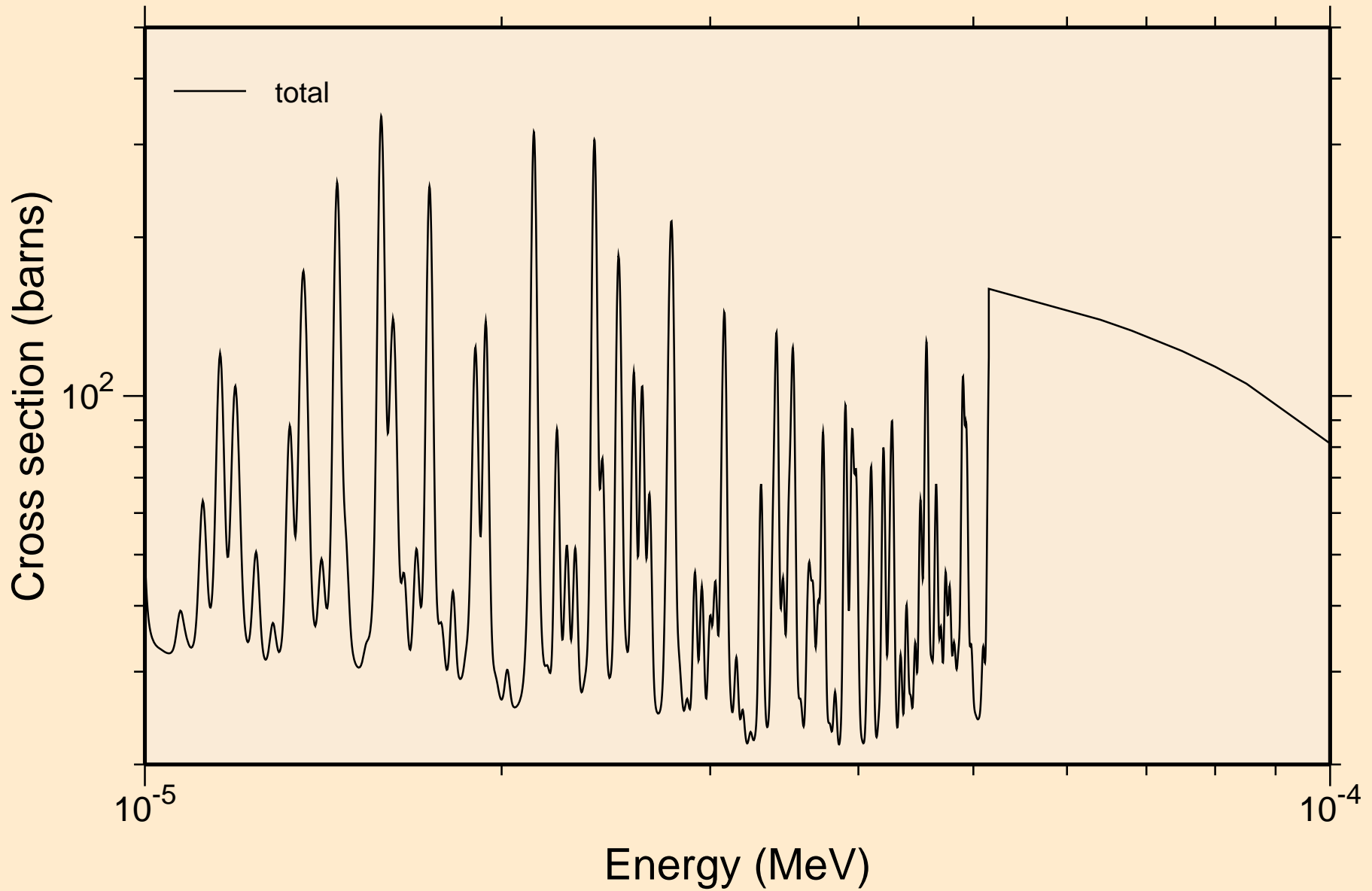
## Principal cross sections



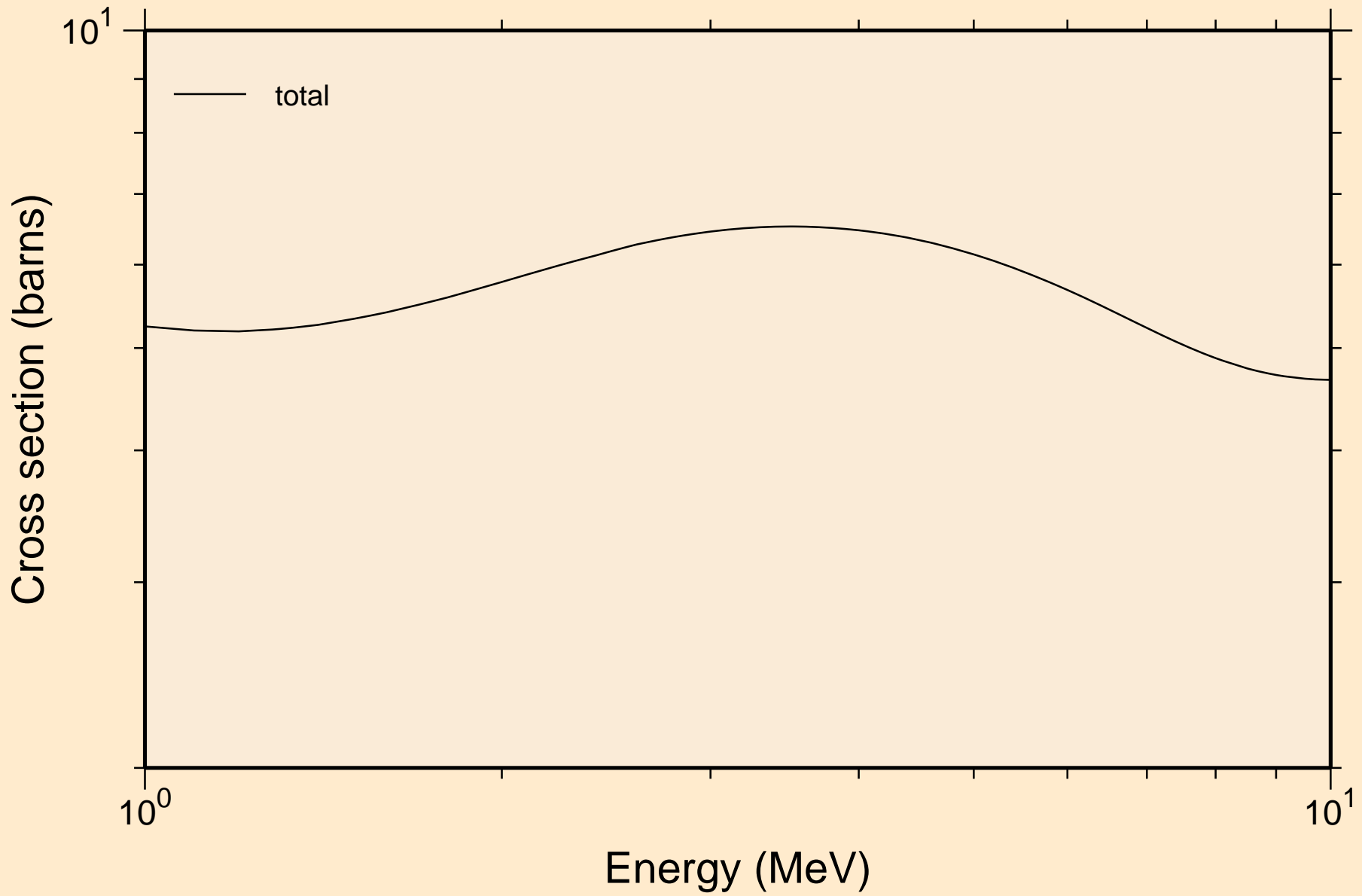
HG181 NRG TENDL-2015, AKONING  
resonance total cross section



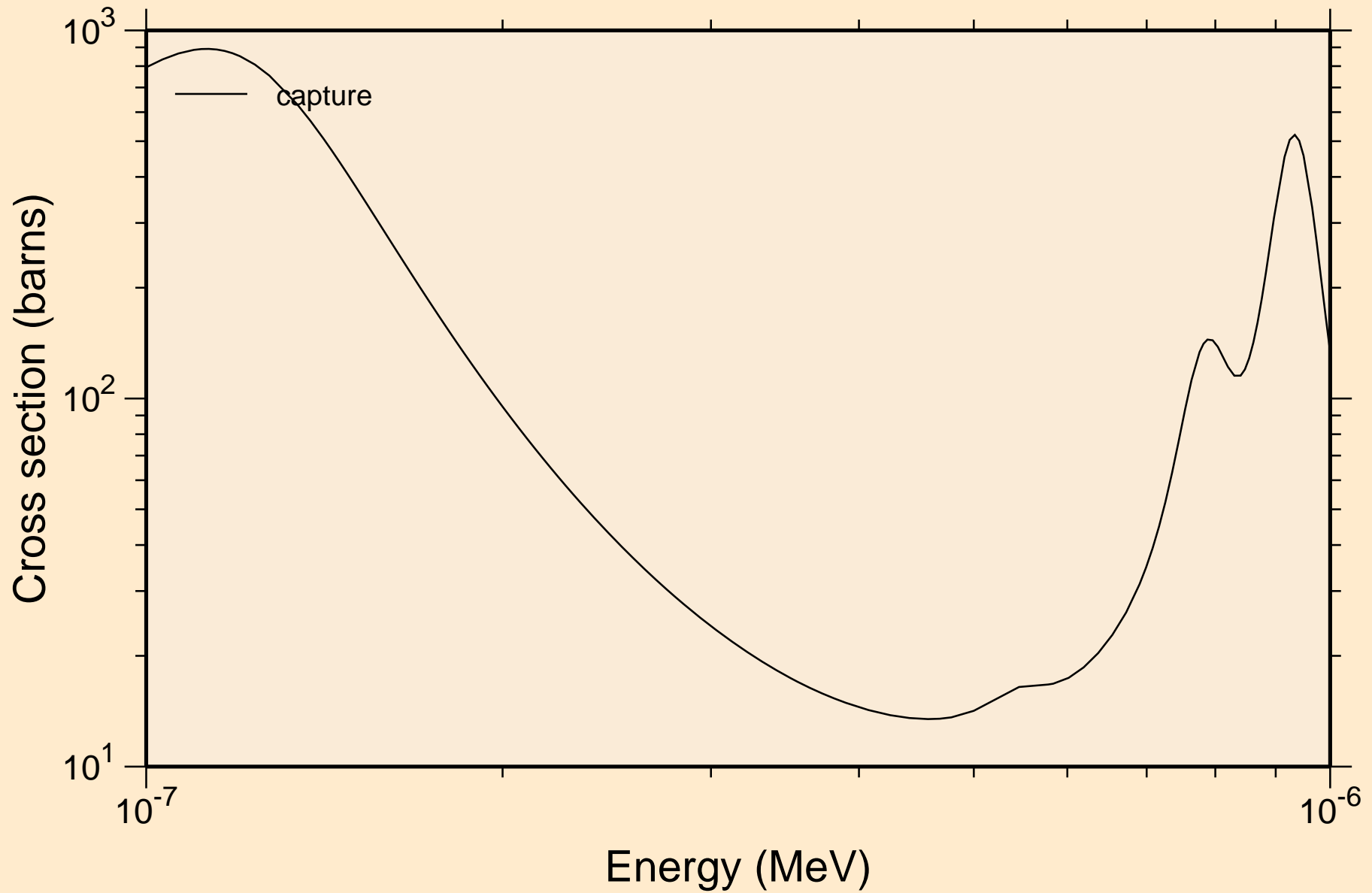
HG181 NRG TENDL-2015, AKONING  
resonance total cross section



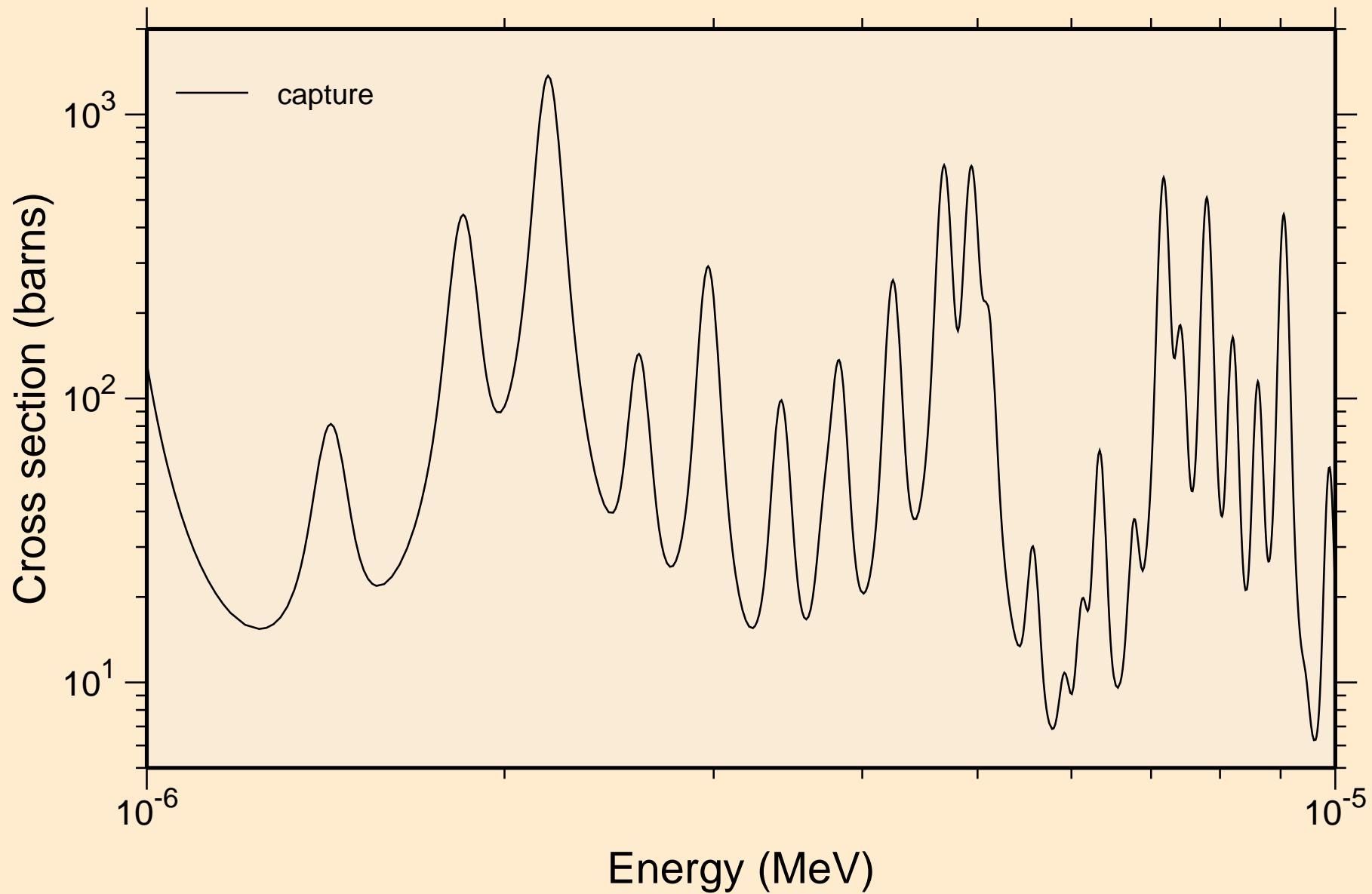
HG181 NRG TENDL-2015, AKONING  
resonance total cross section



HG181 NRG TENDL-2015, AKONING  
resonance absorption cross sections

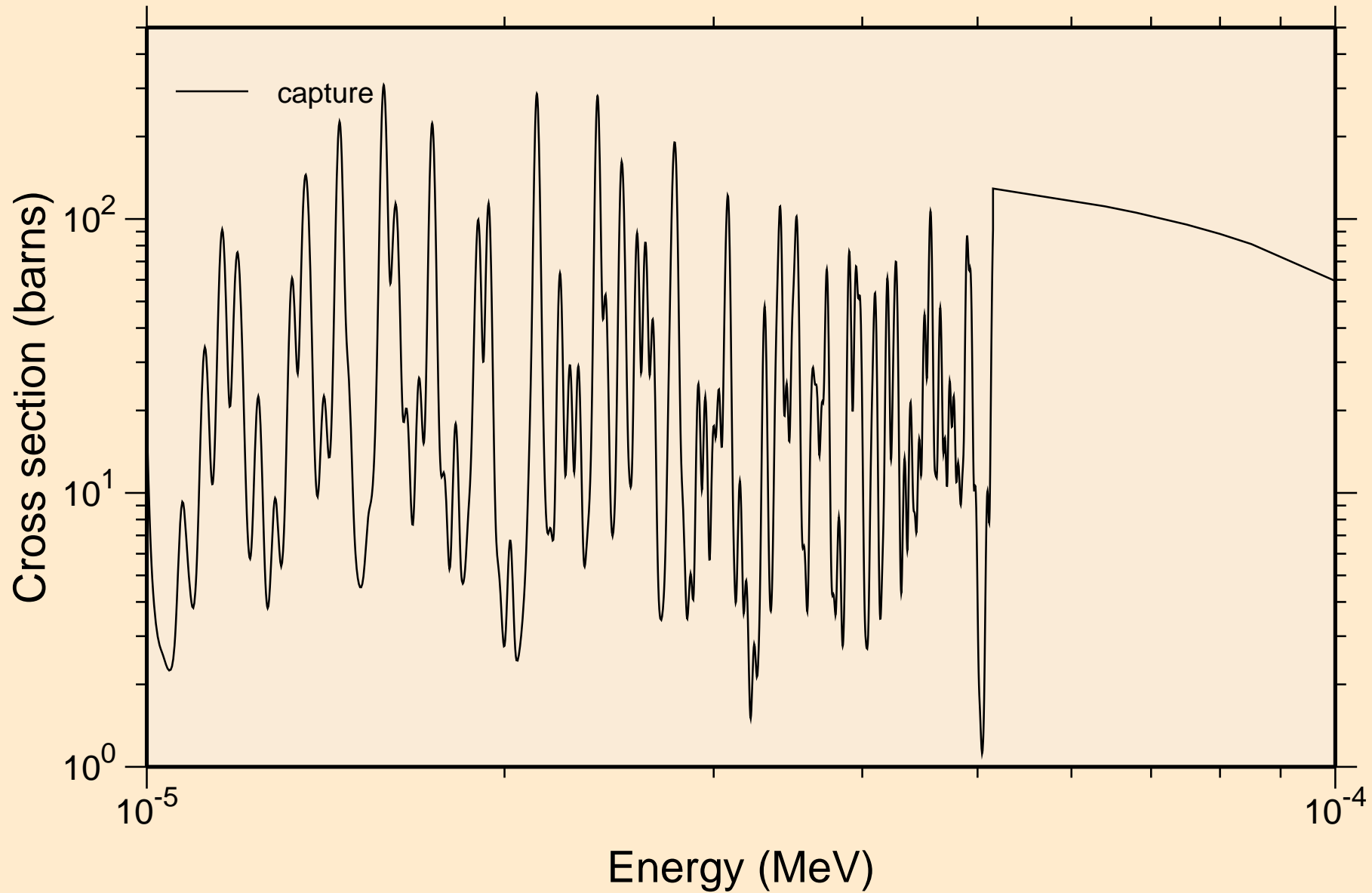


# HG181 NRG TENDL-2015, AKONING resonance absorption cross sections

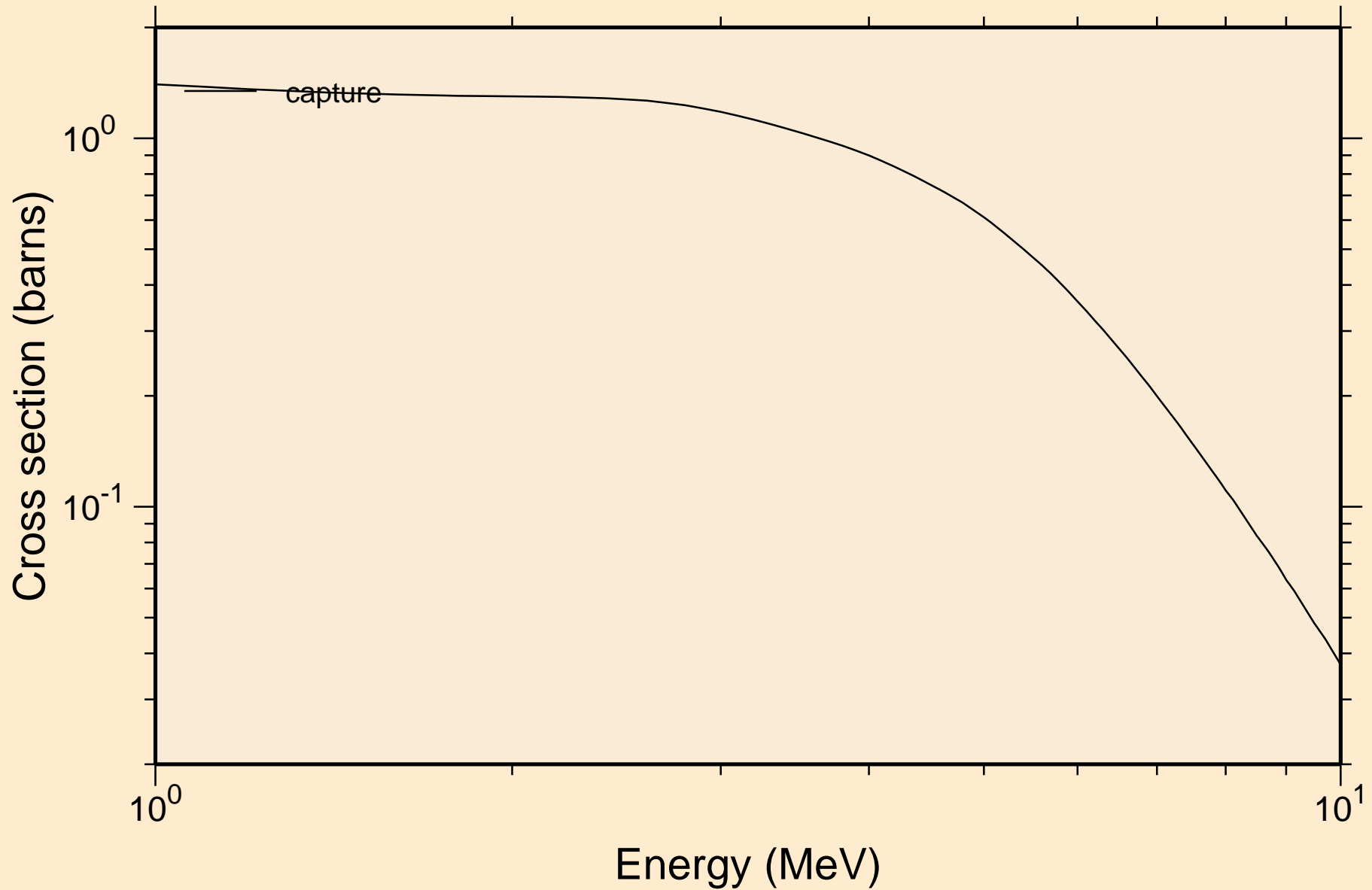


# HG181 NRG TENDL-2015, AKONING

## resonance absorption cross sections



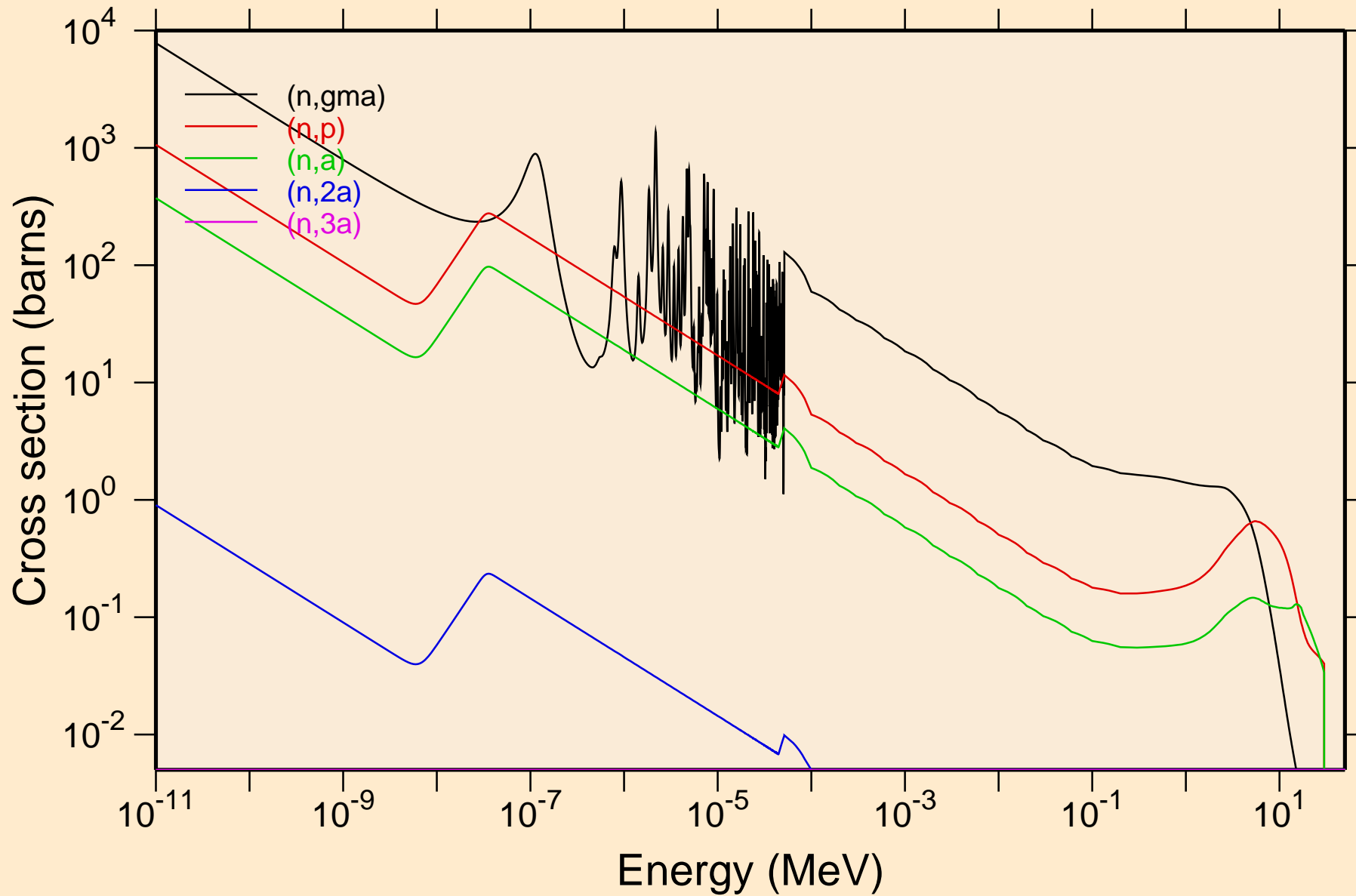
HG181 NRG TENDL-2015, AKONING  
resonance absorption cross sections





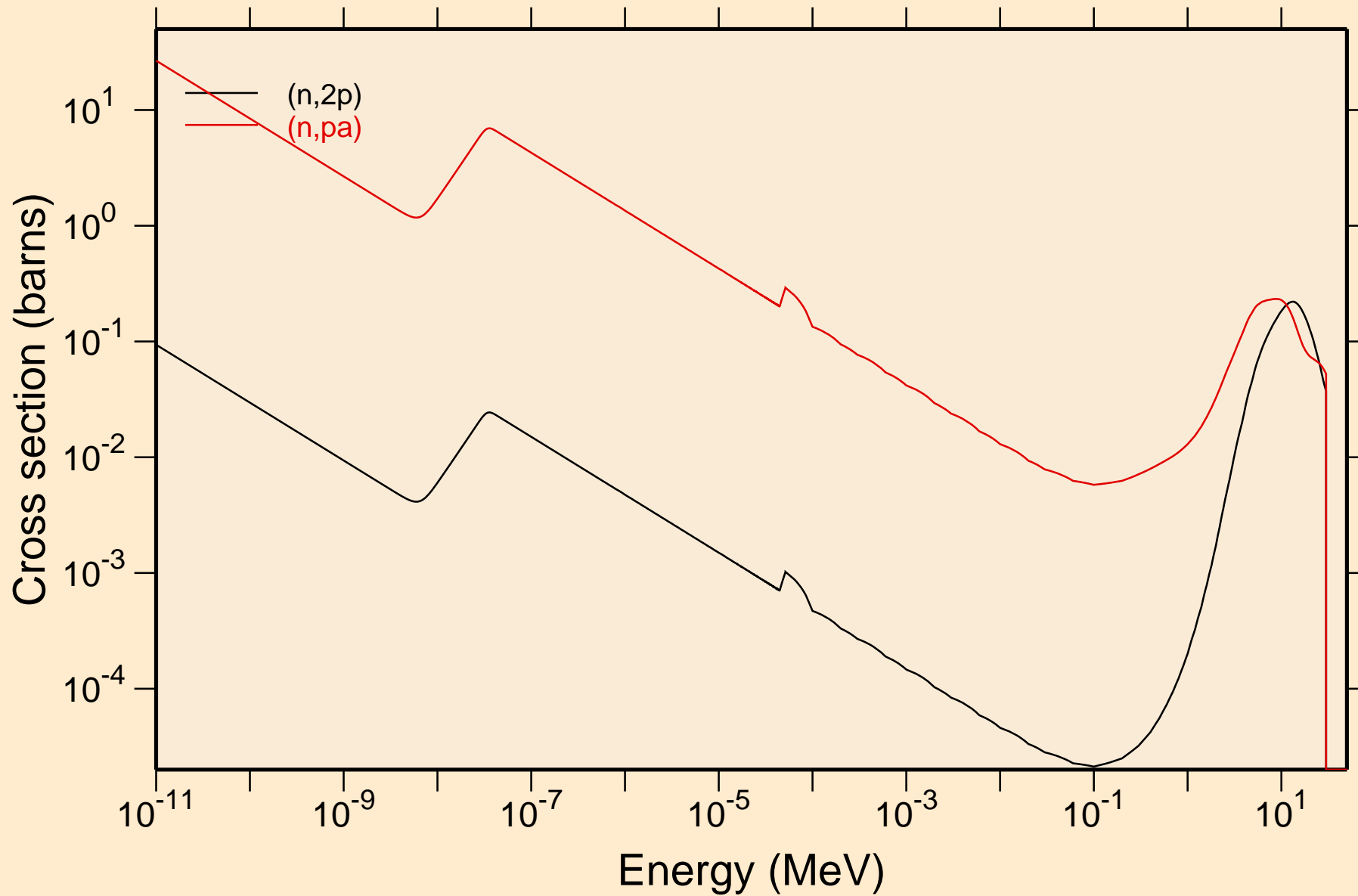
# HG181 NRG TENDL-2015, AKONING

## Non-threshold reactions



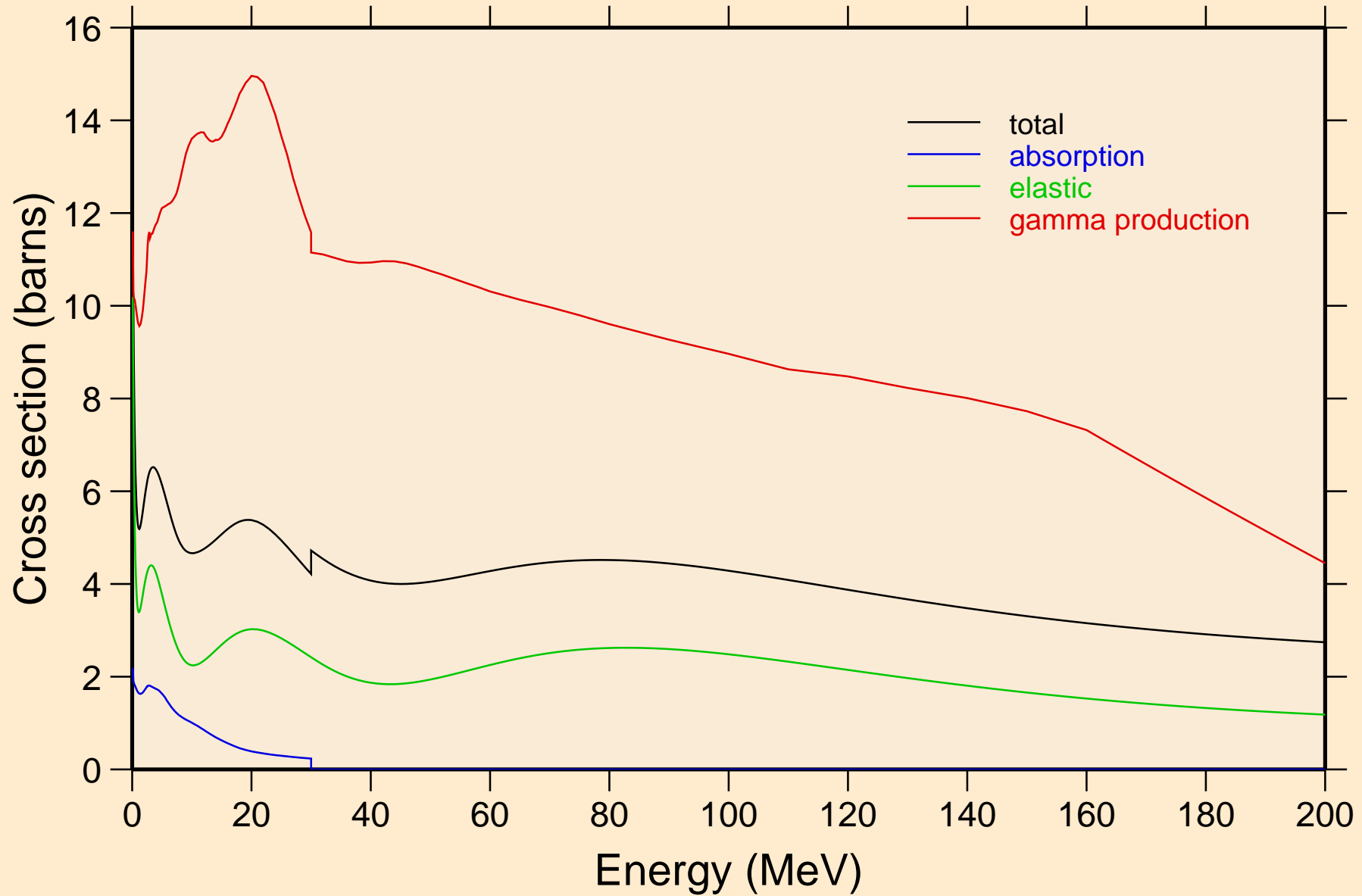
# HG181 NRG TENDL-2015, AKONING

## Non-threshold reactions



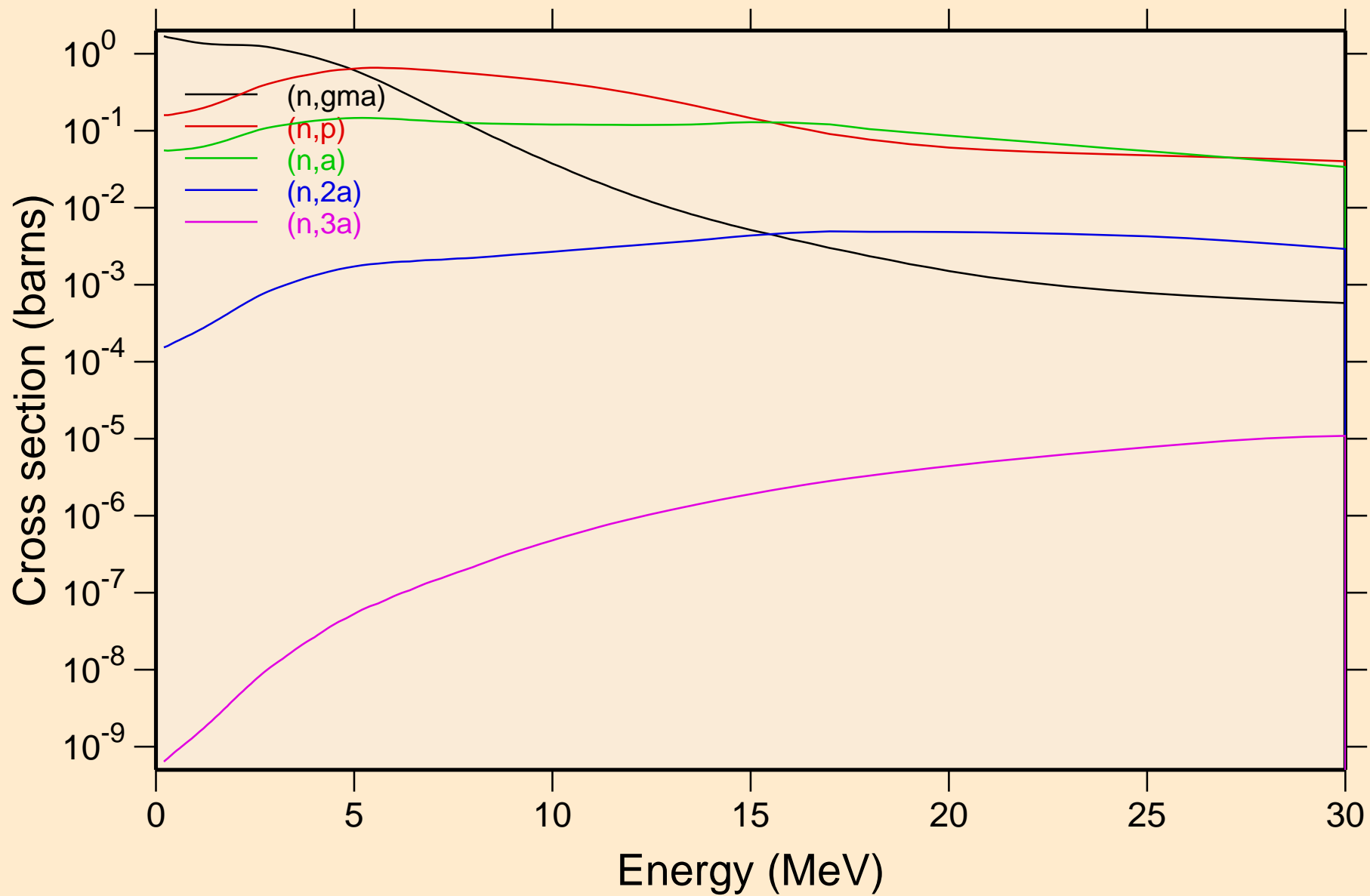
# HG181 NRG TENDL-2015, AKONING

## Principal cross sections



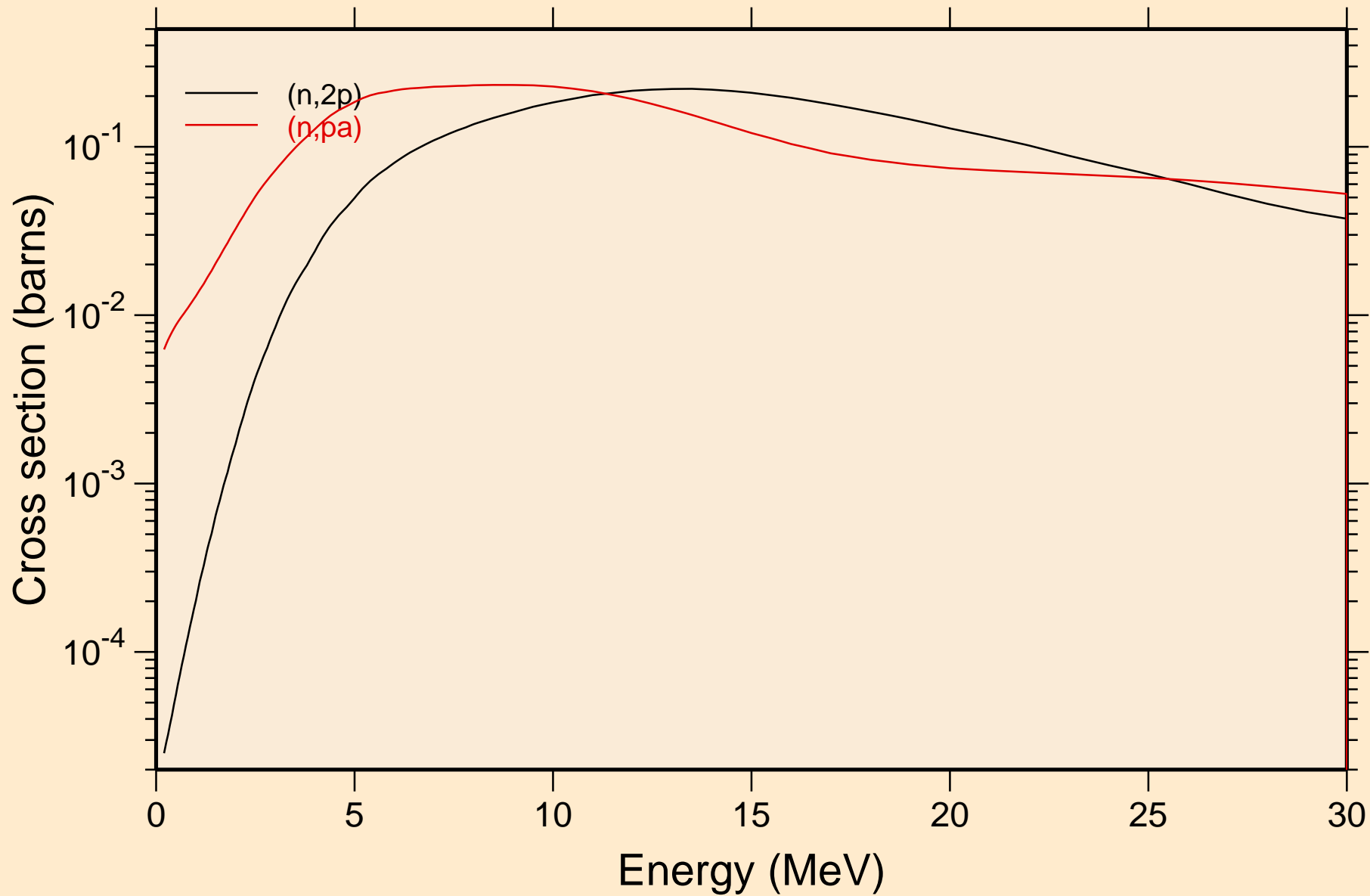
# HG181 NRG TENDL-2015, AKONING

## Non-threshold reactions



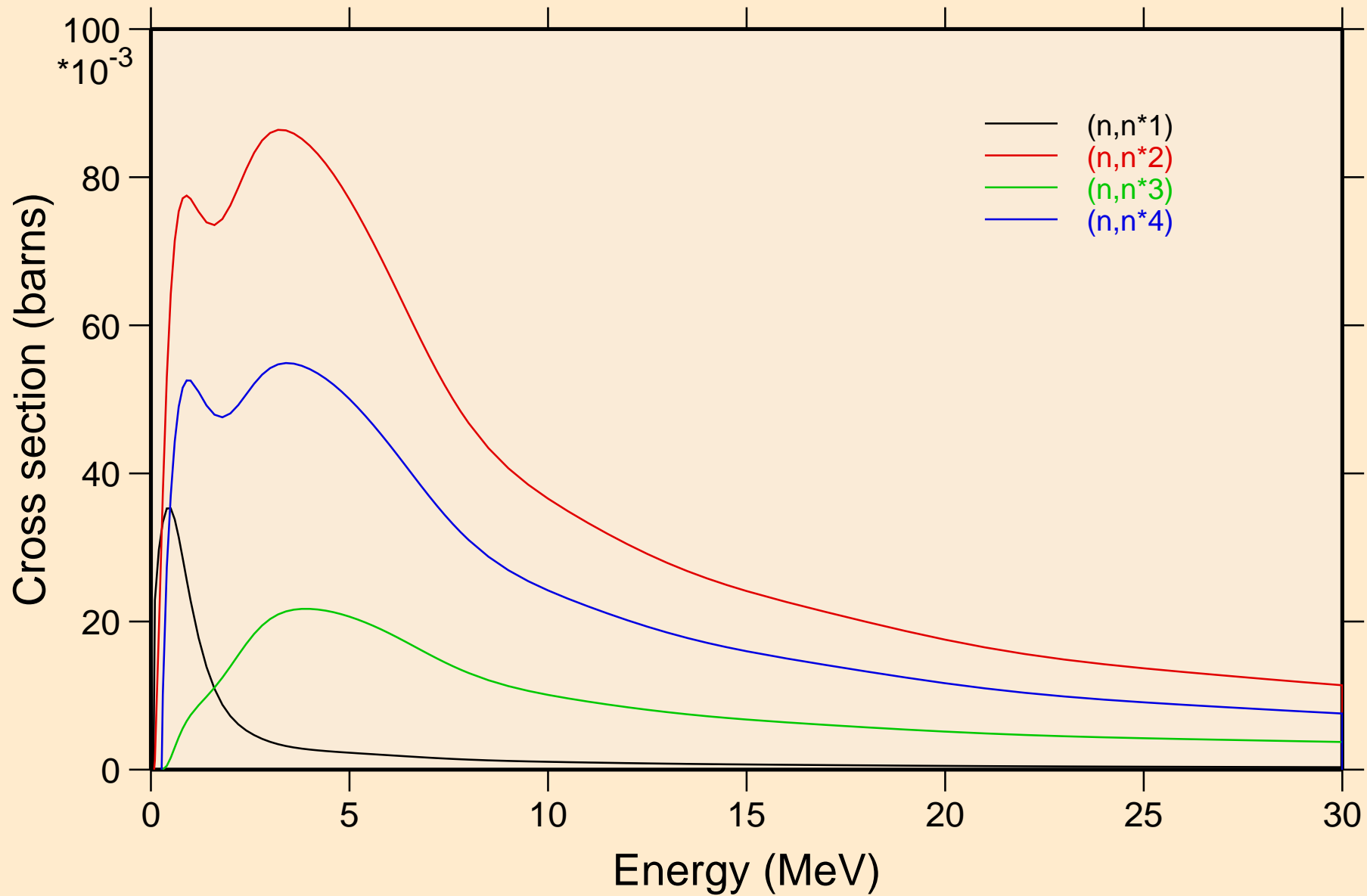
# HG181 NRG TENDL-2015, AKONING

## Non-threshold reactions



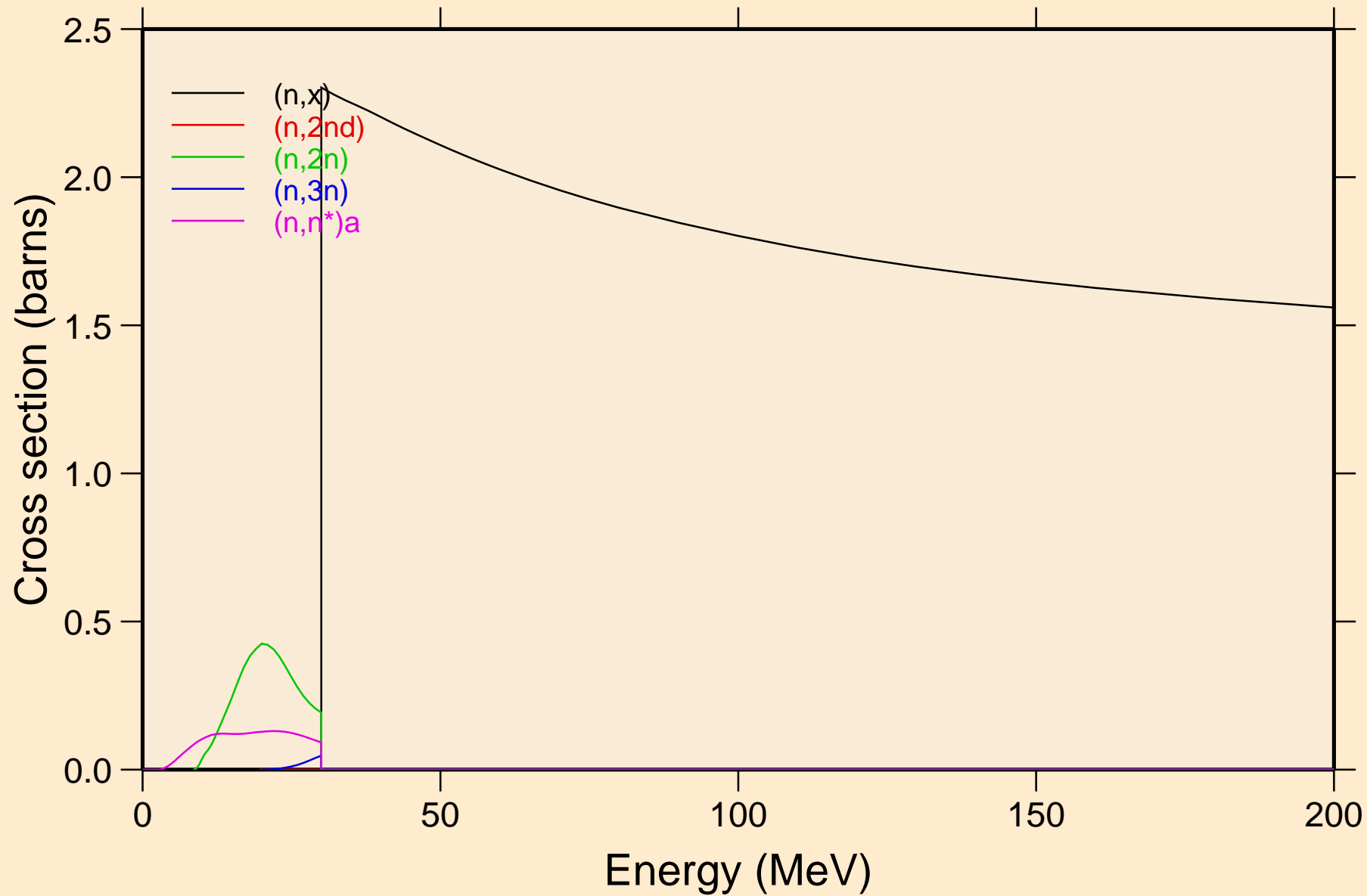
# HG181 NRG TENDL-2015, AKONING

## Inelastic levels



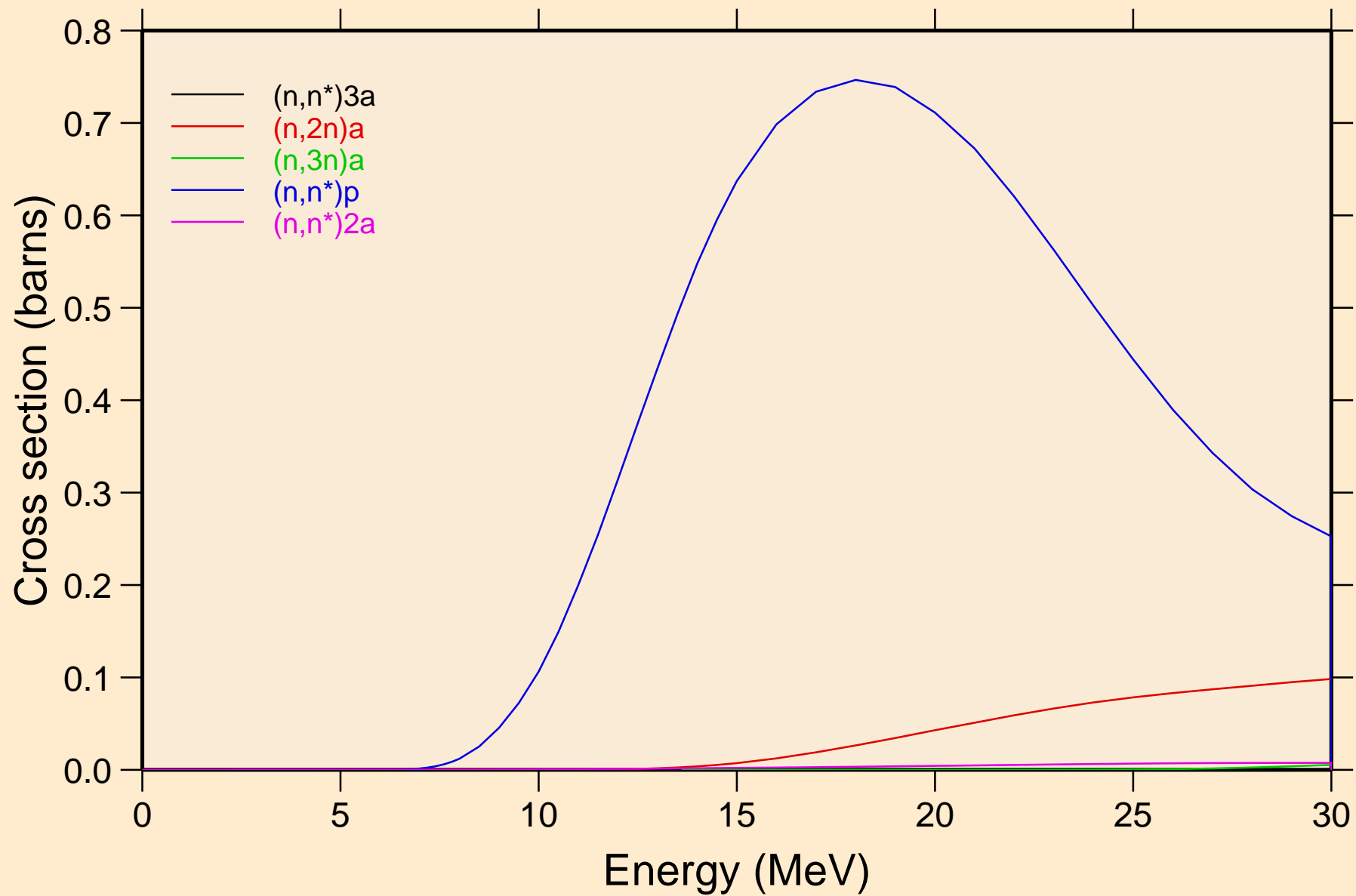
# HG181 NRG TENDL-2015, AKONING

## Threshold reactions



# HG181 NRG TENDL-2015, AKONING

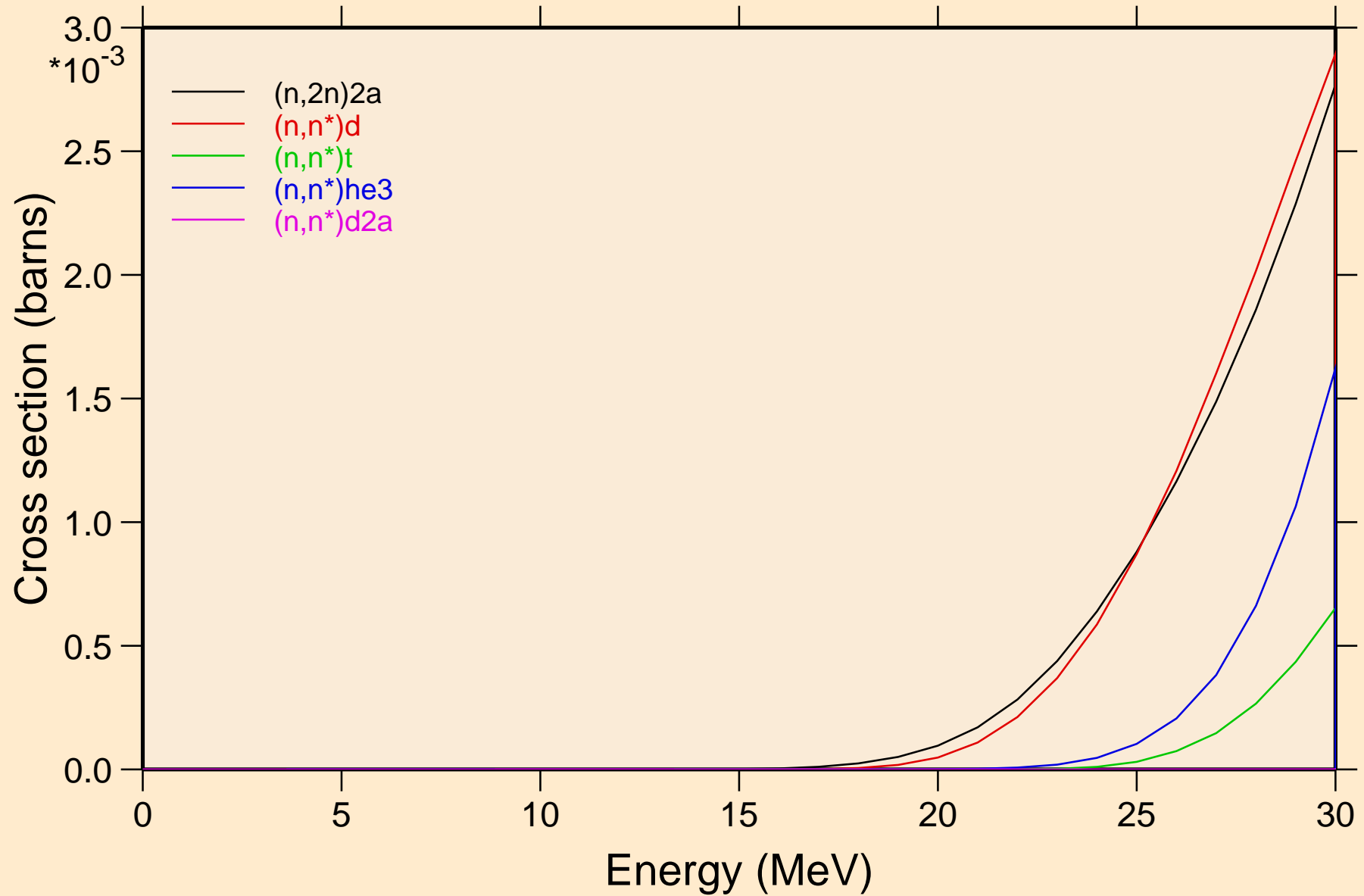
## Threshold reactions





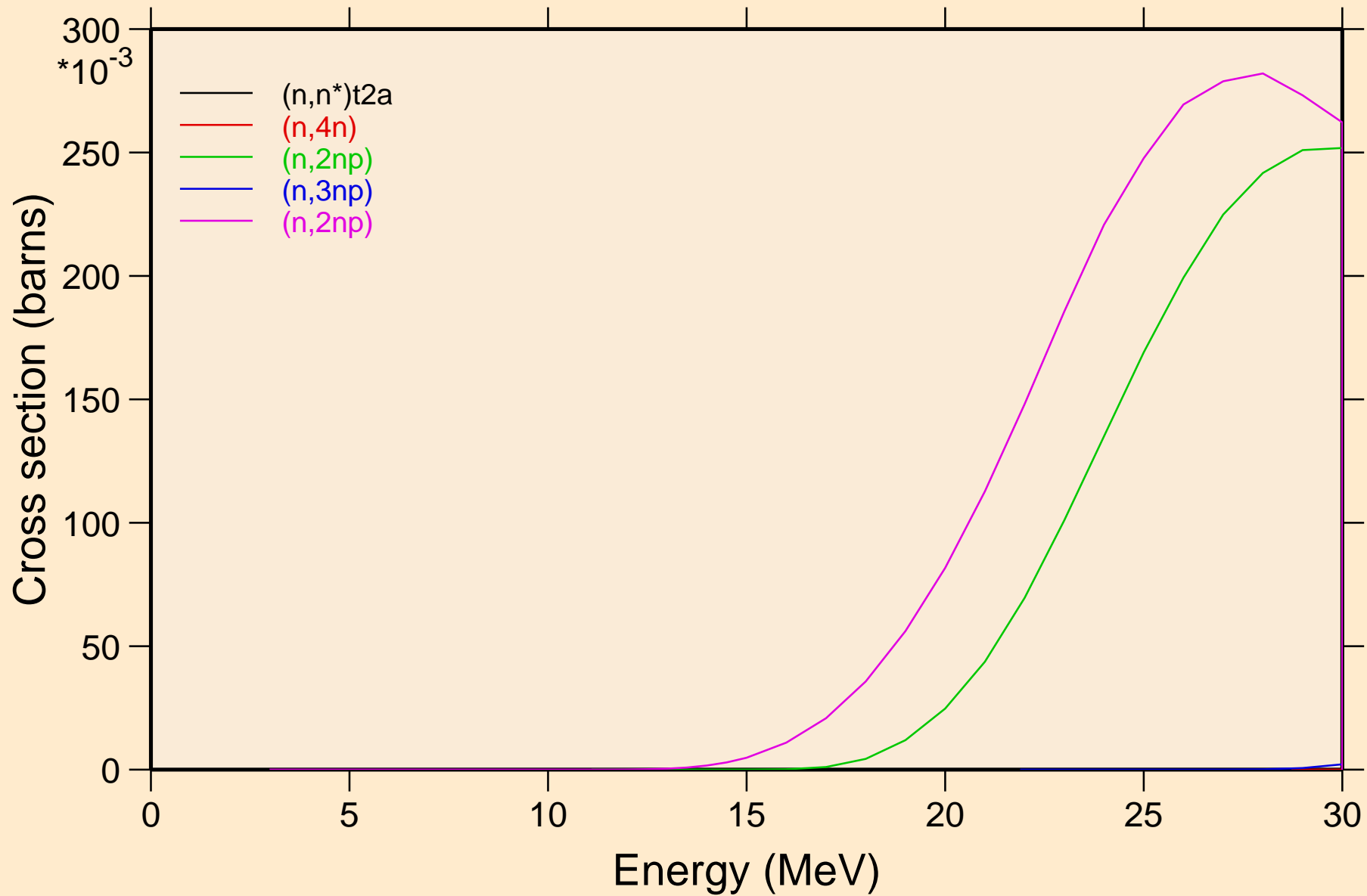
# HG181 NRG TENDL-2015, AKONING

## Threshold reactions



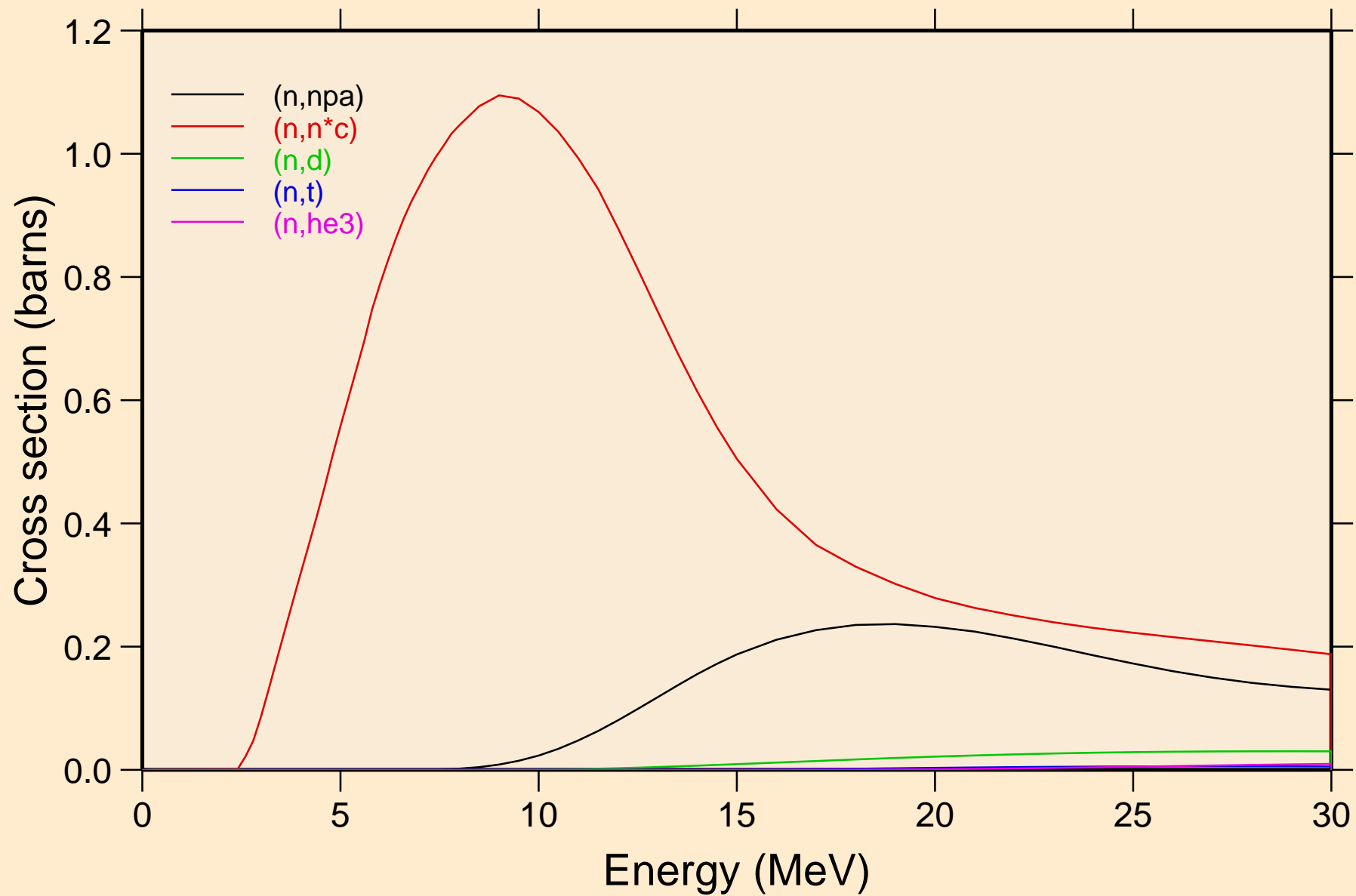
# HG181 NRG TENDL-2015, AKONING

## Threshold reactions



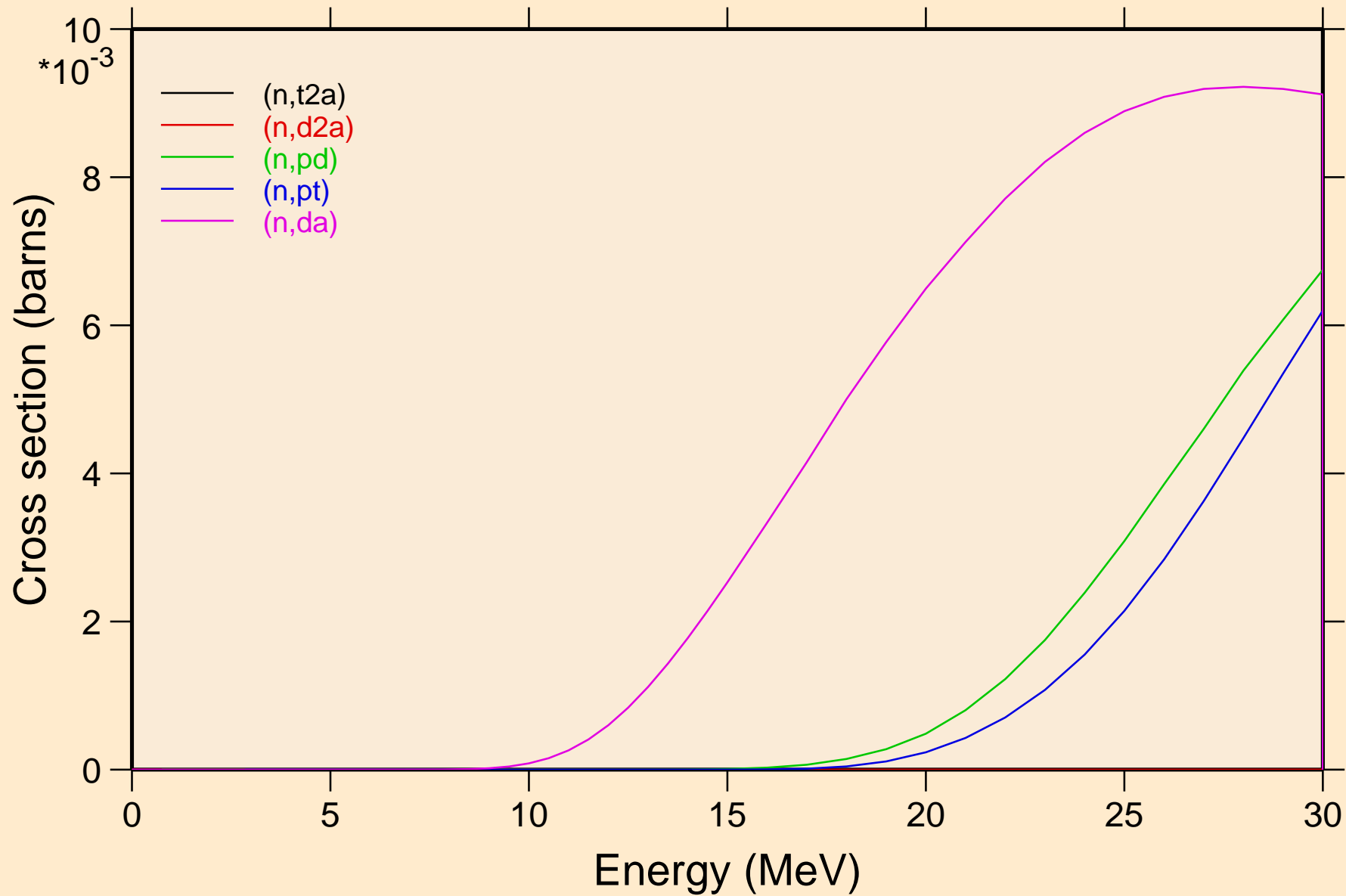
# HG181 NRG TENDL-2015, AKONING

## Threshold reactions

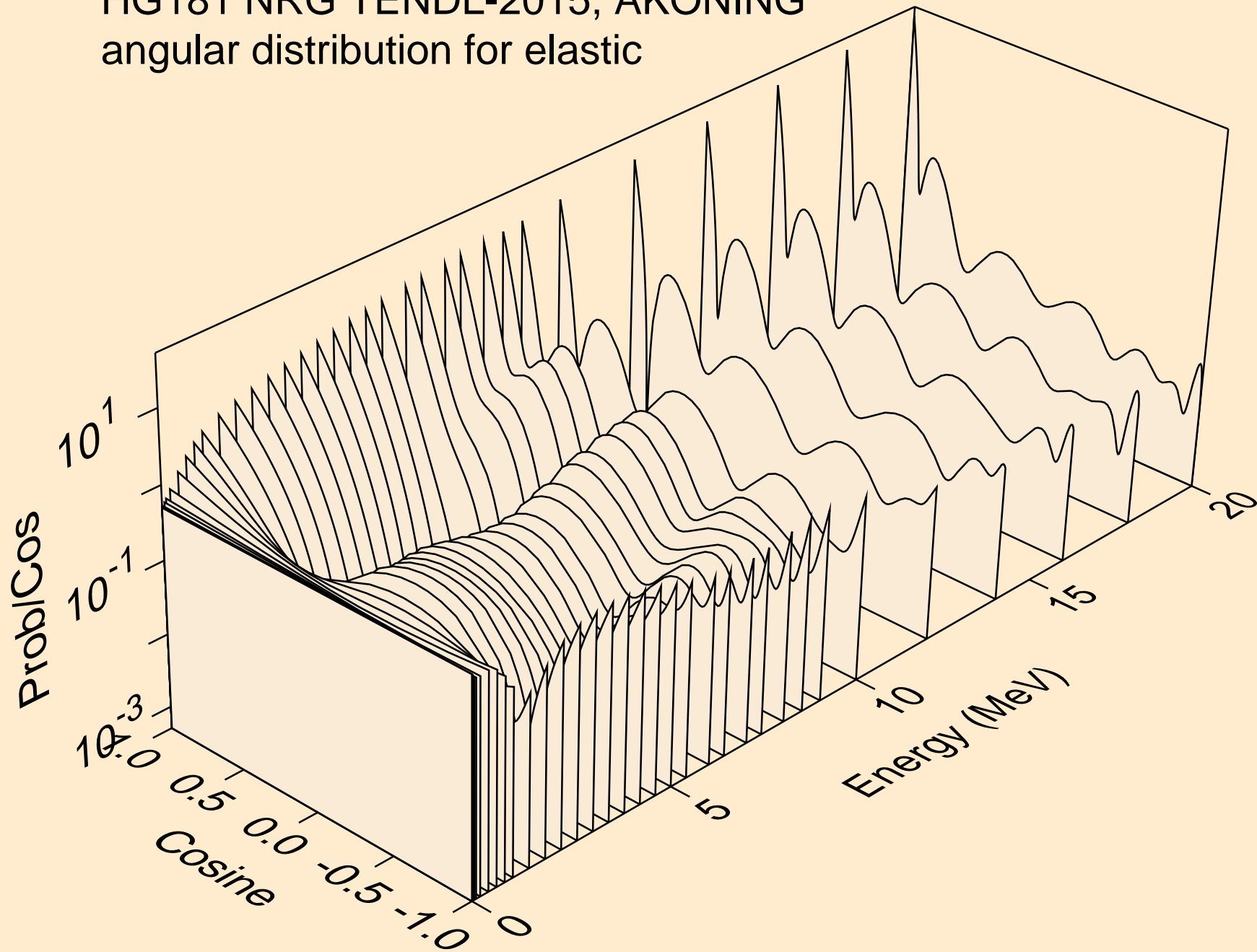


# HG181 NRG TENDL-2015, AKONING

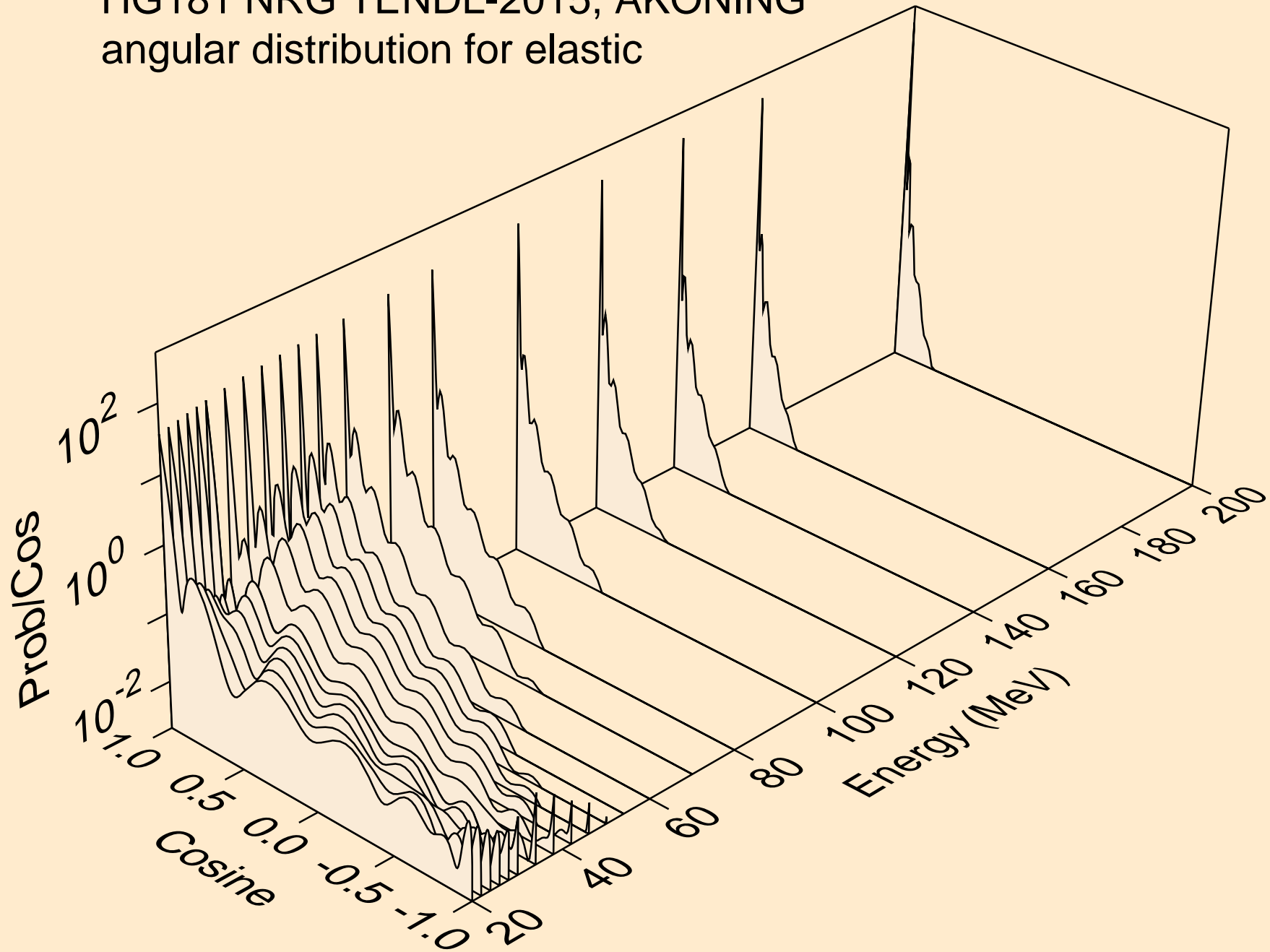
## Threshold reactions



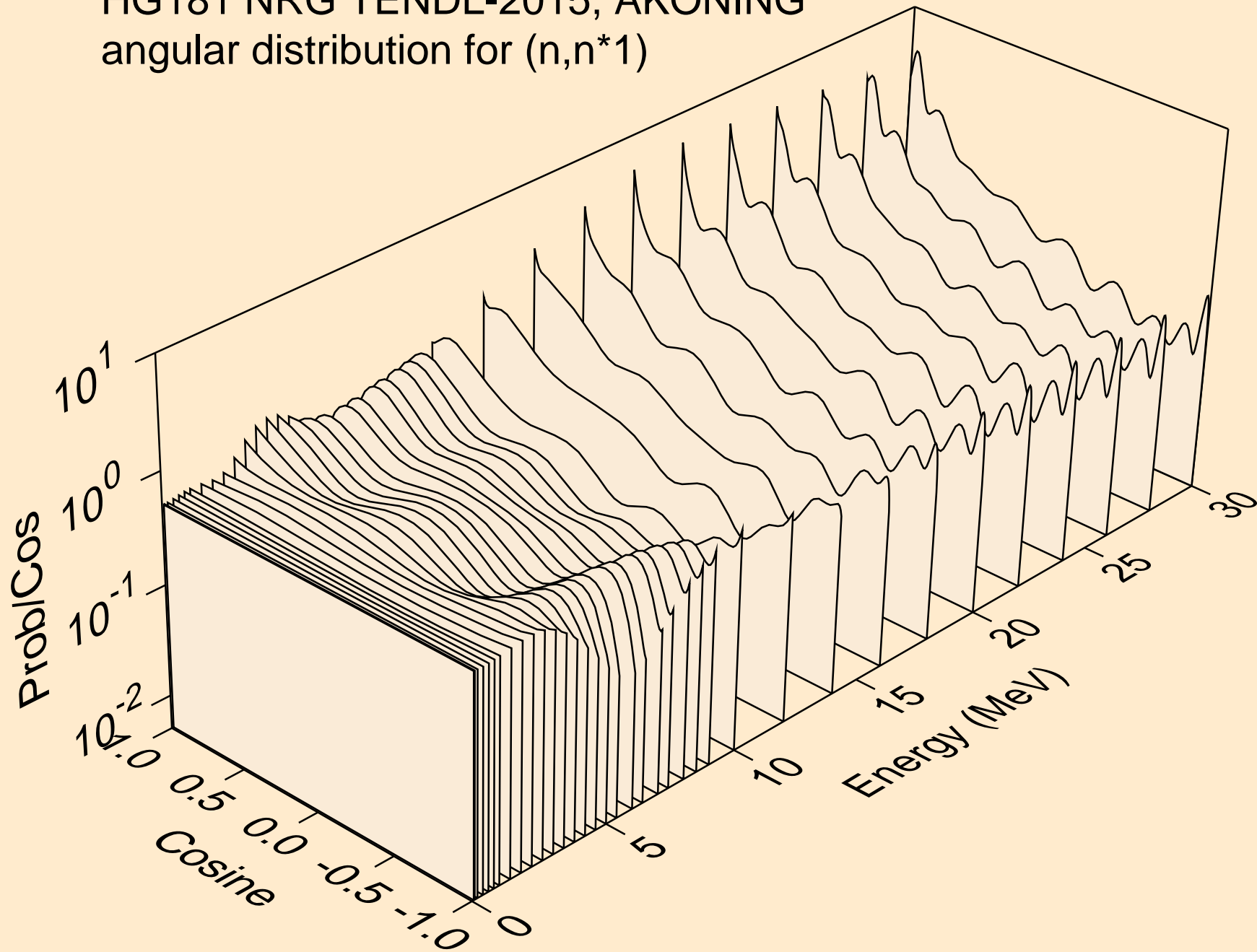
HG181 NRG TENDL-2015, AKONING  
angular distribution for elastic



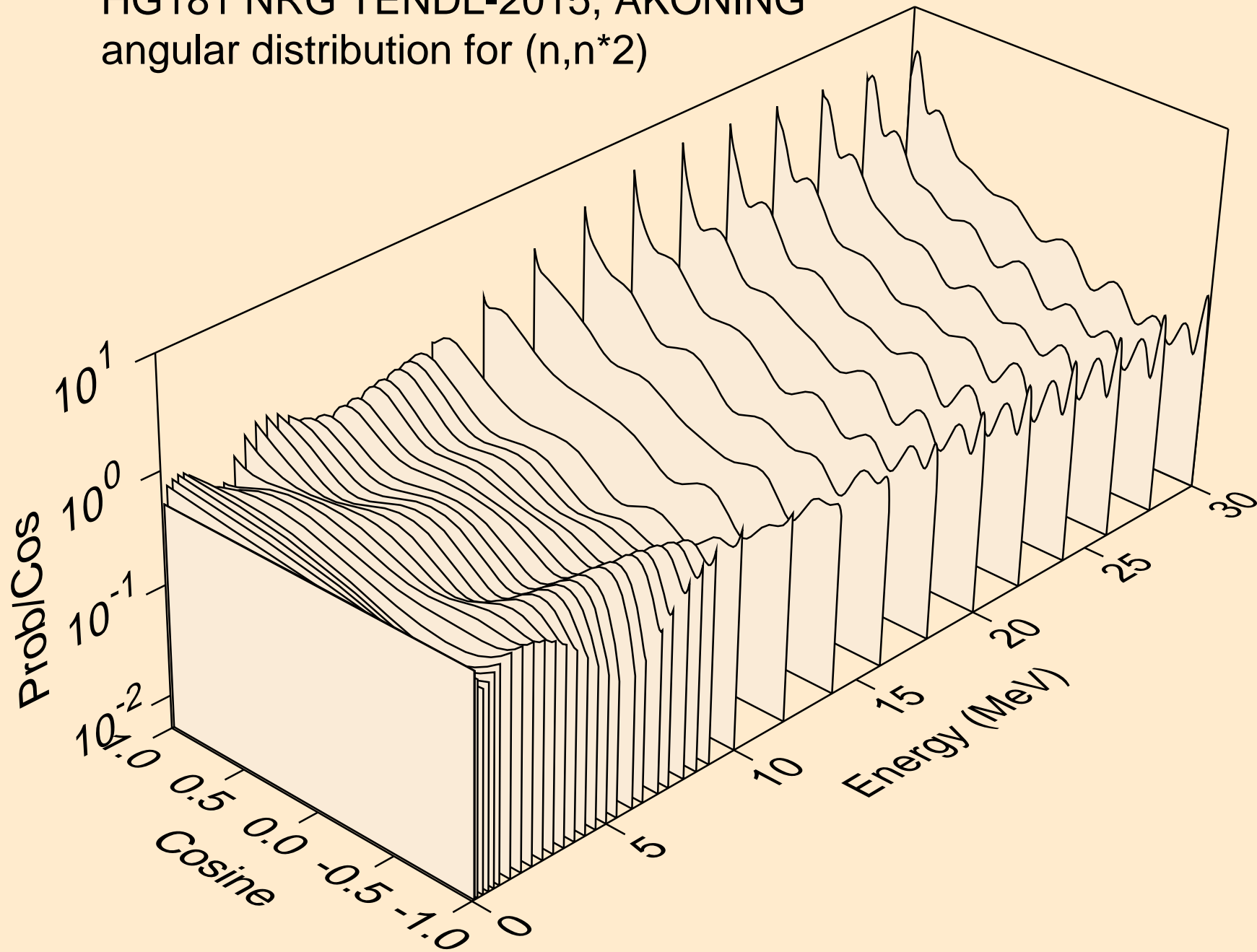
HG181 NRG TENDL-2015, AKONING  
angular distribution for elastic



HG181 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)

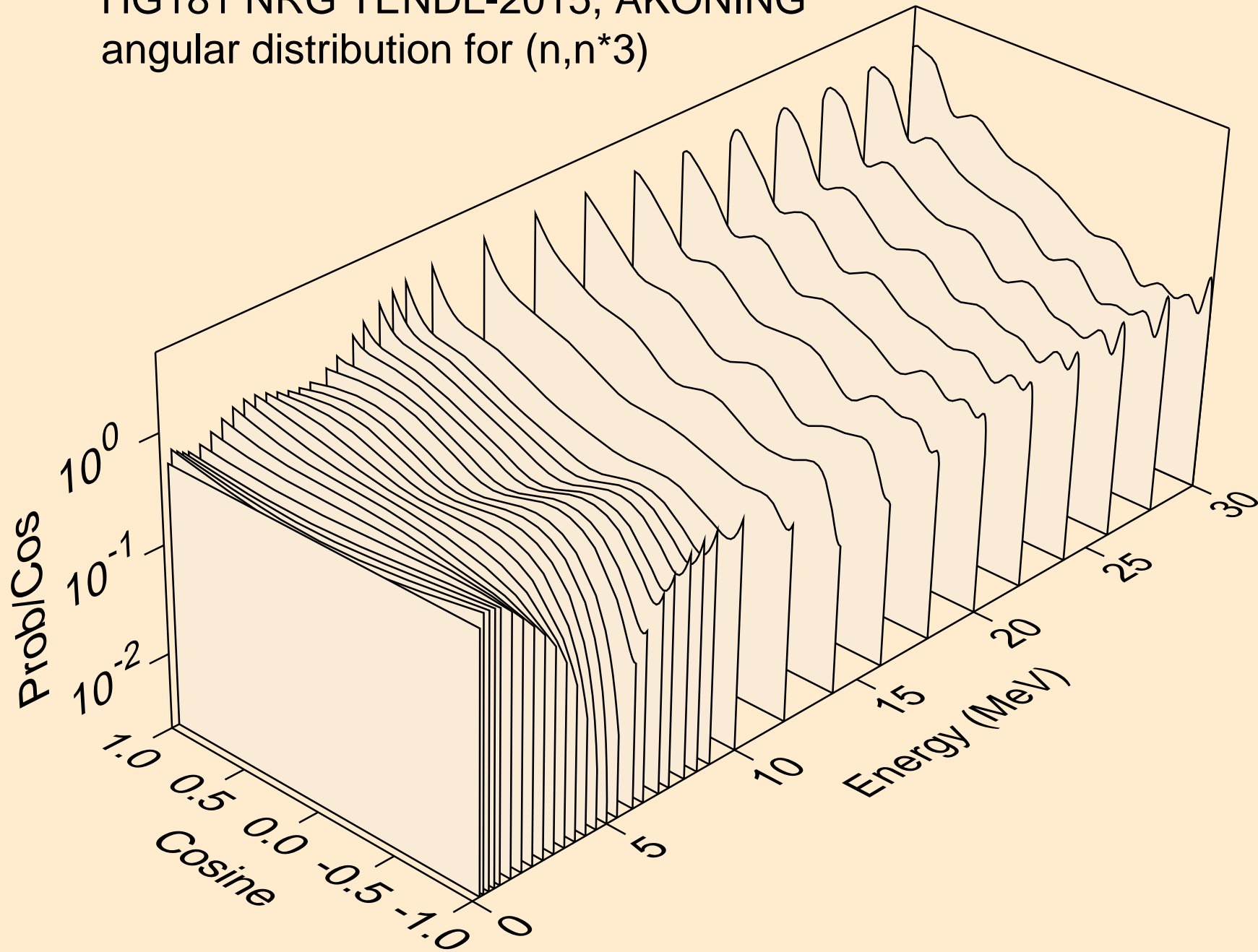


HG181 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)

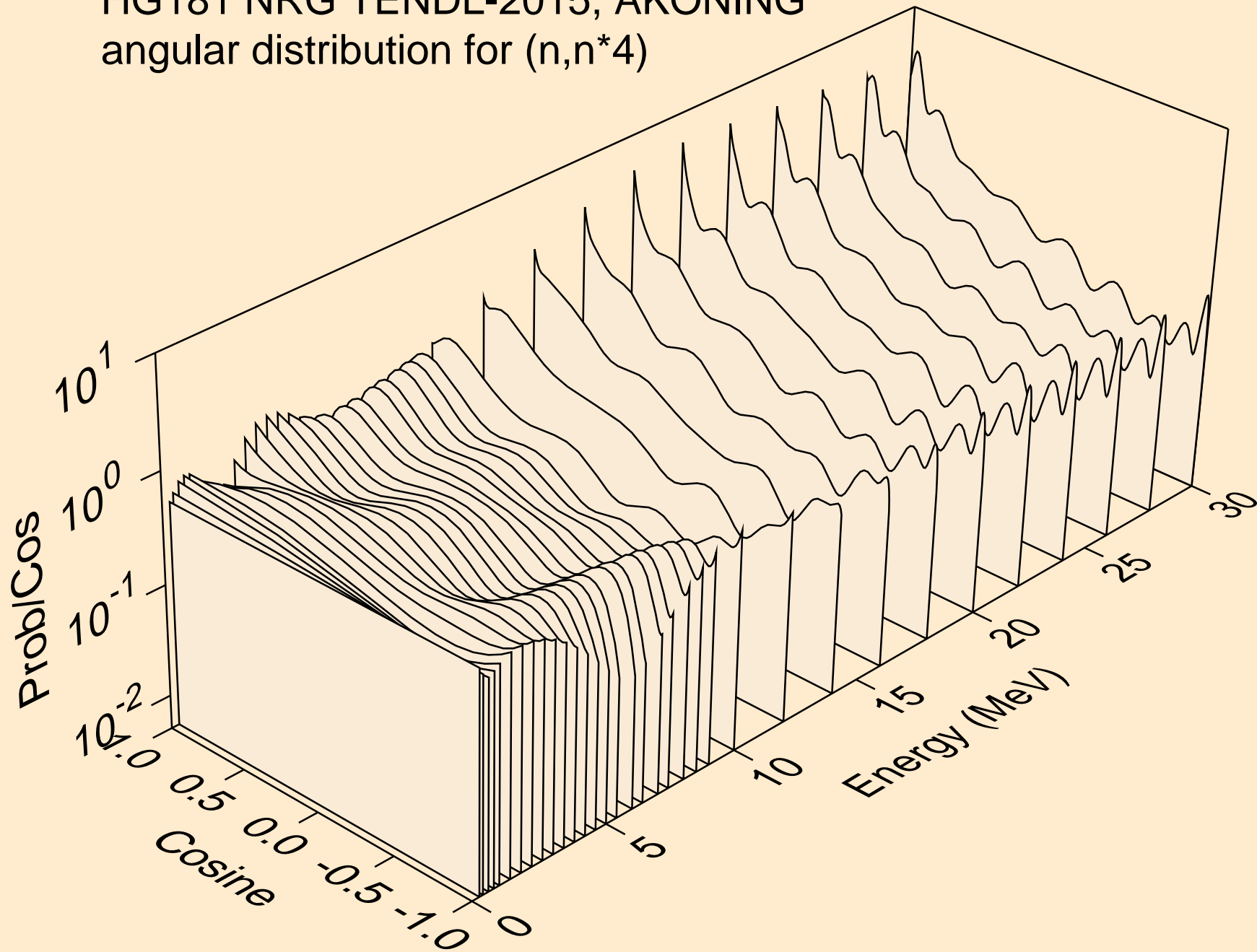




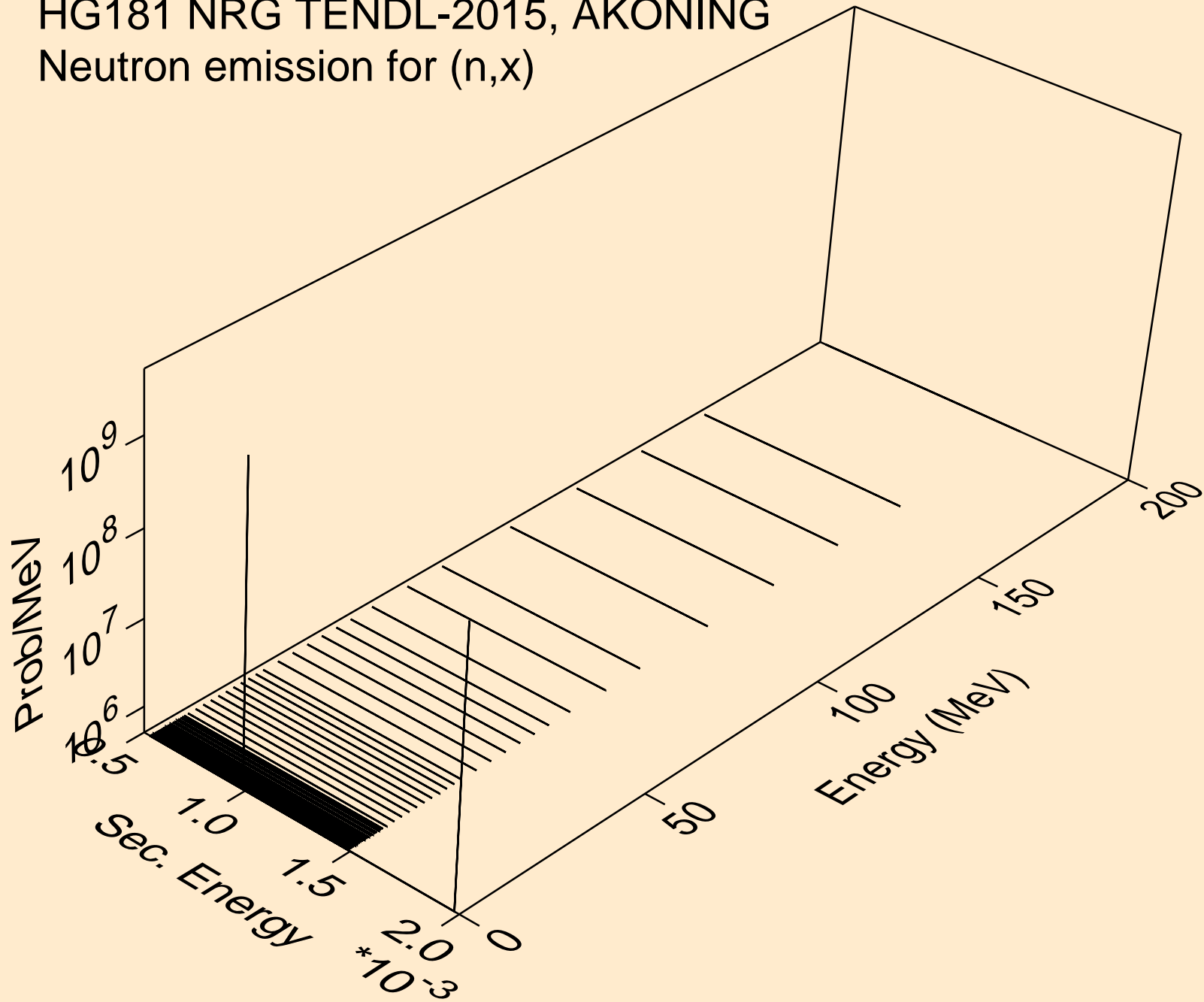
HG181 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



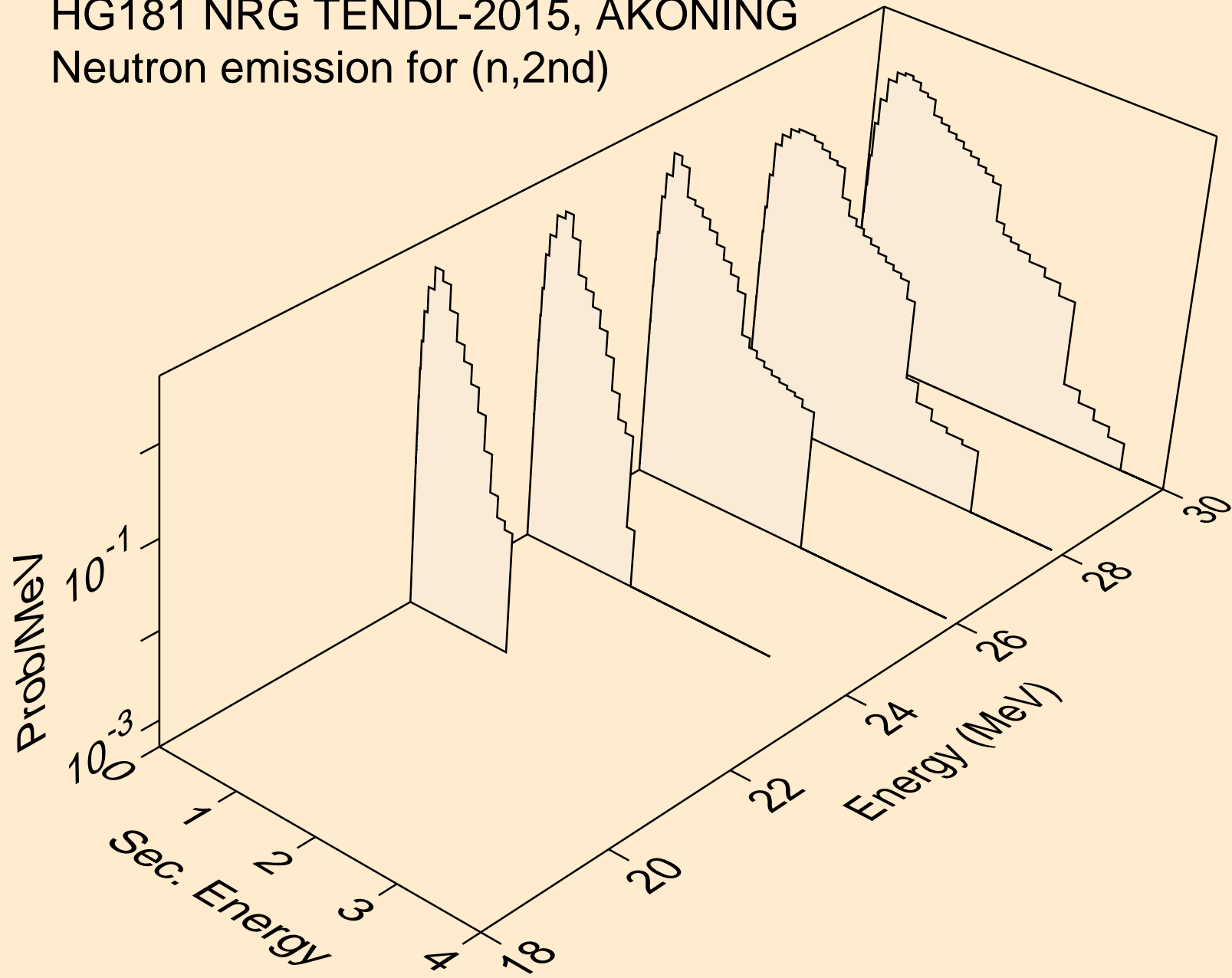
HG181 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



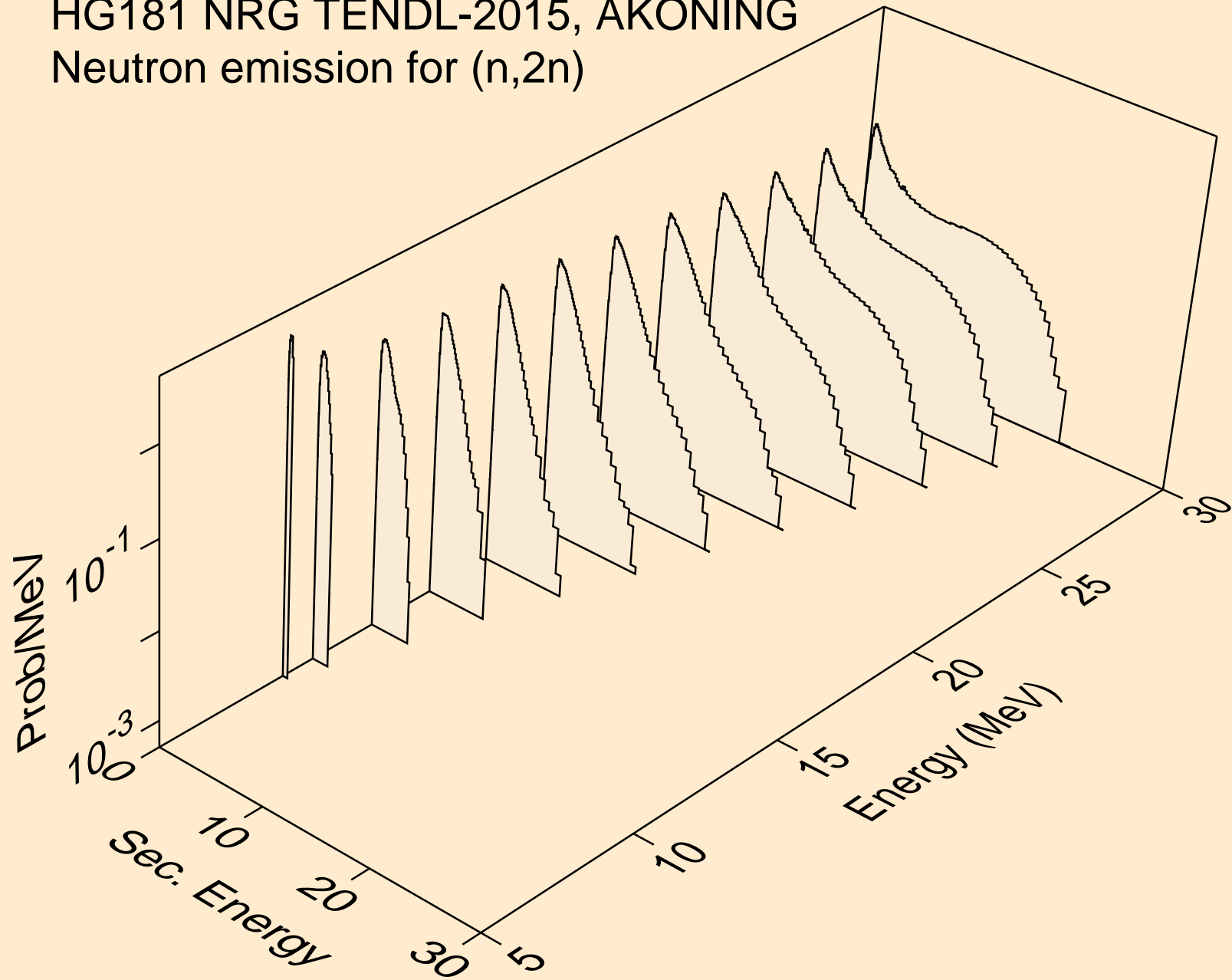
HG181 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



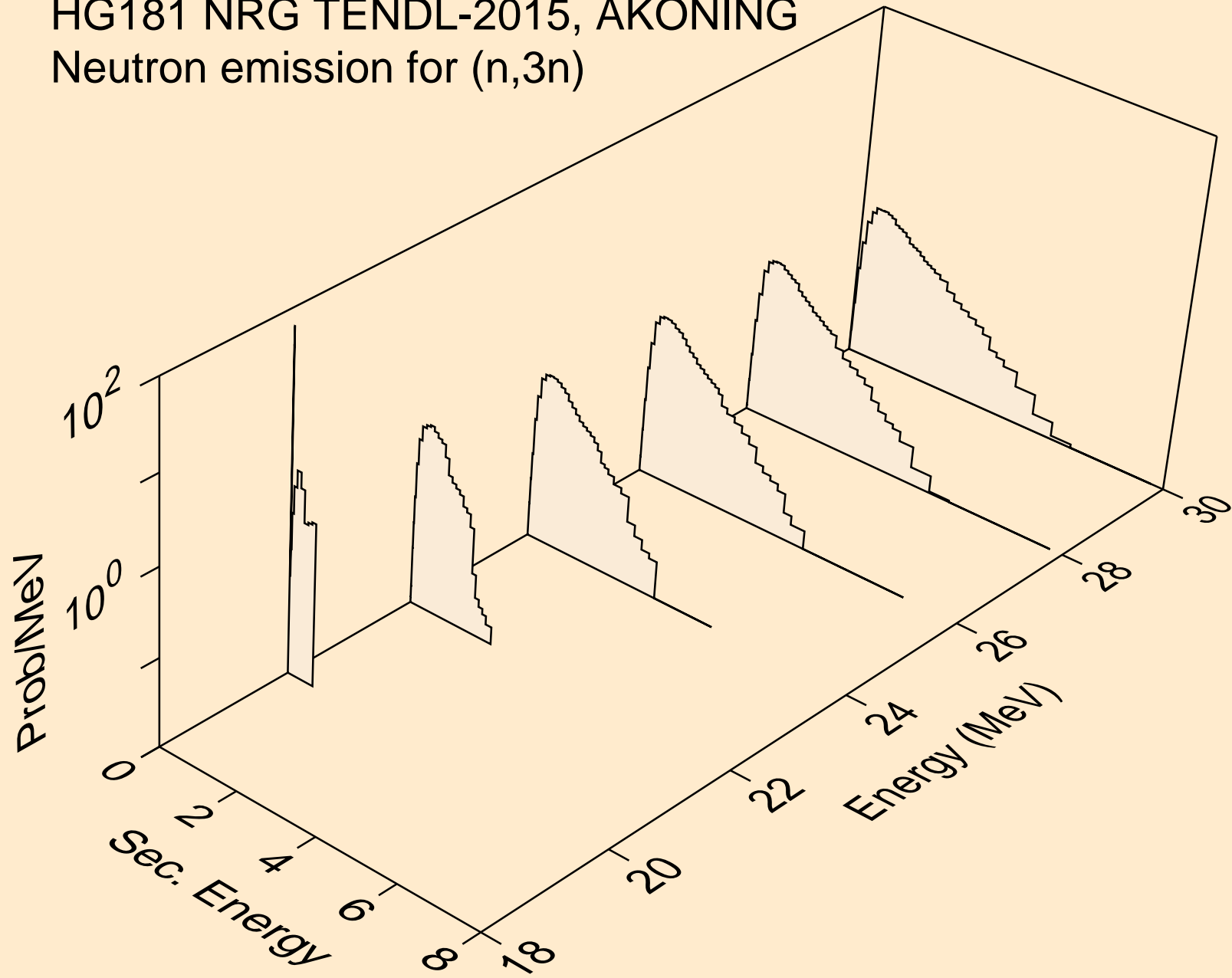
HG181 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



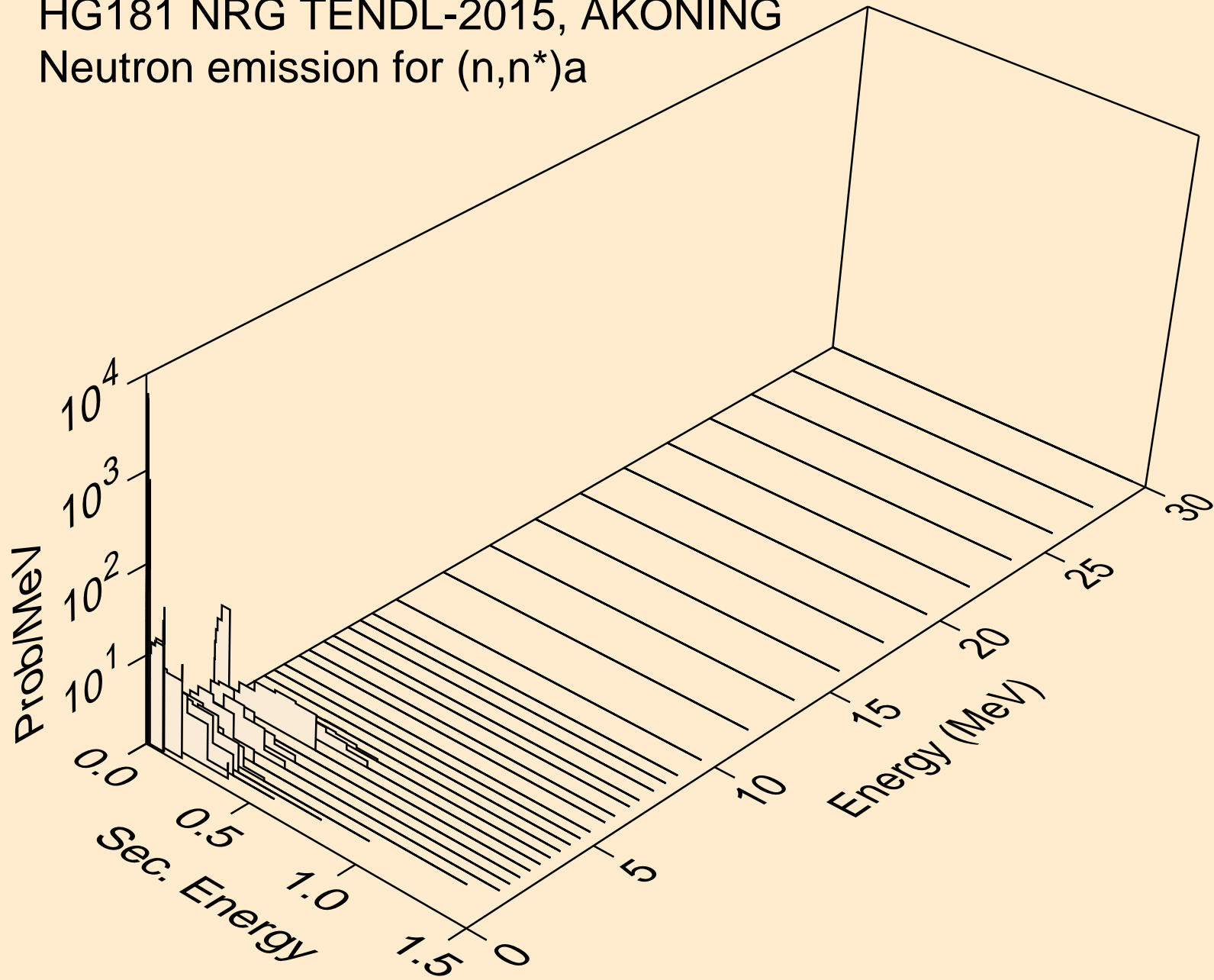
HG181 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



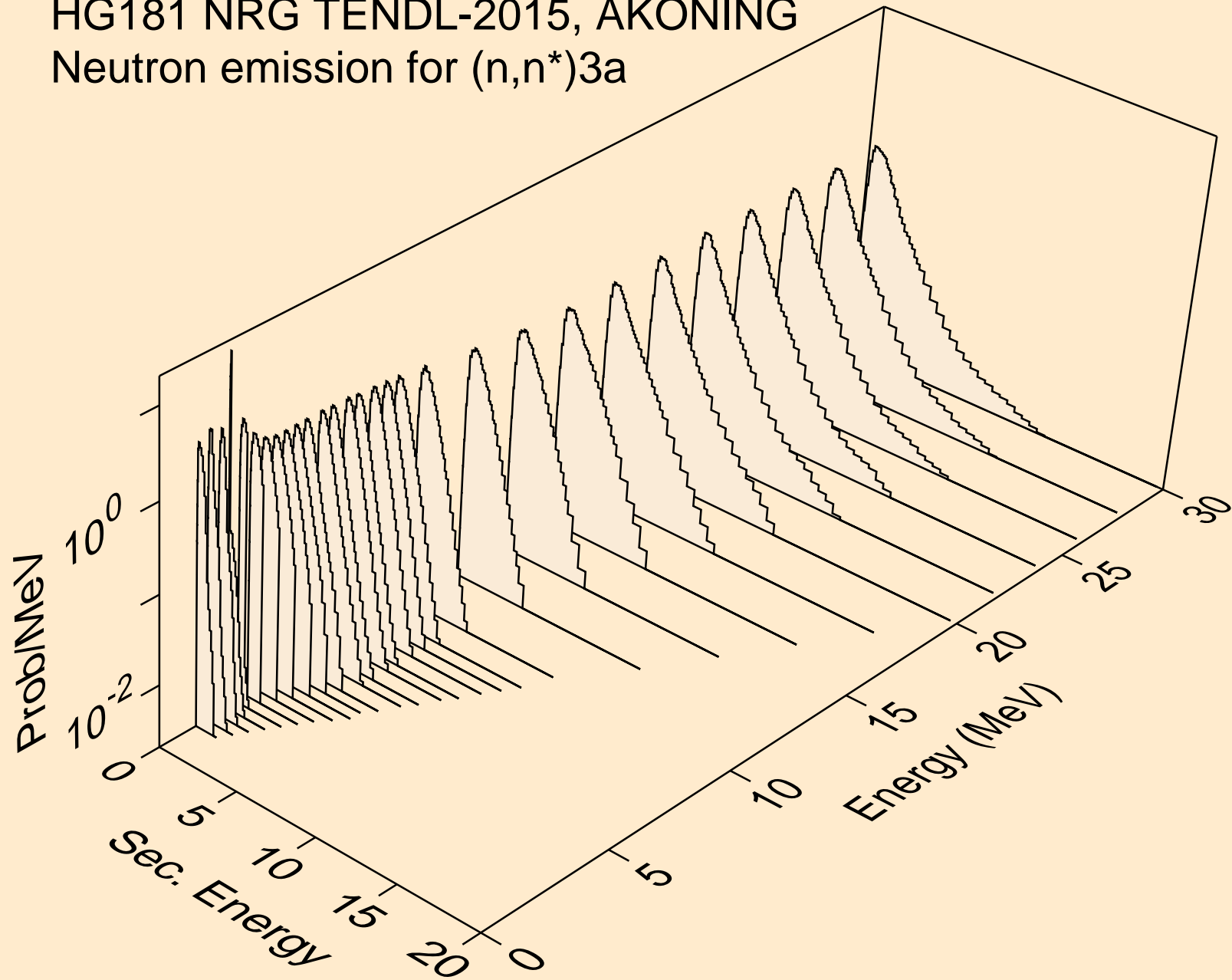
HG181 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



HG181 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a

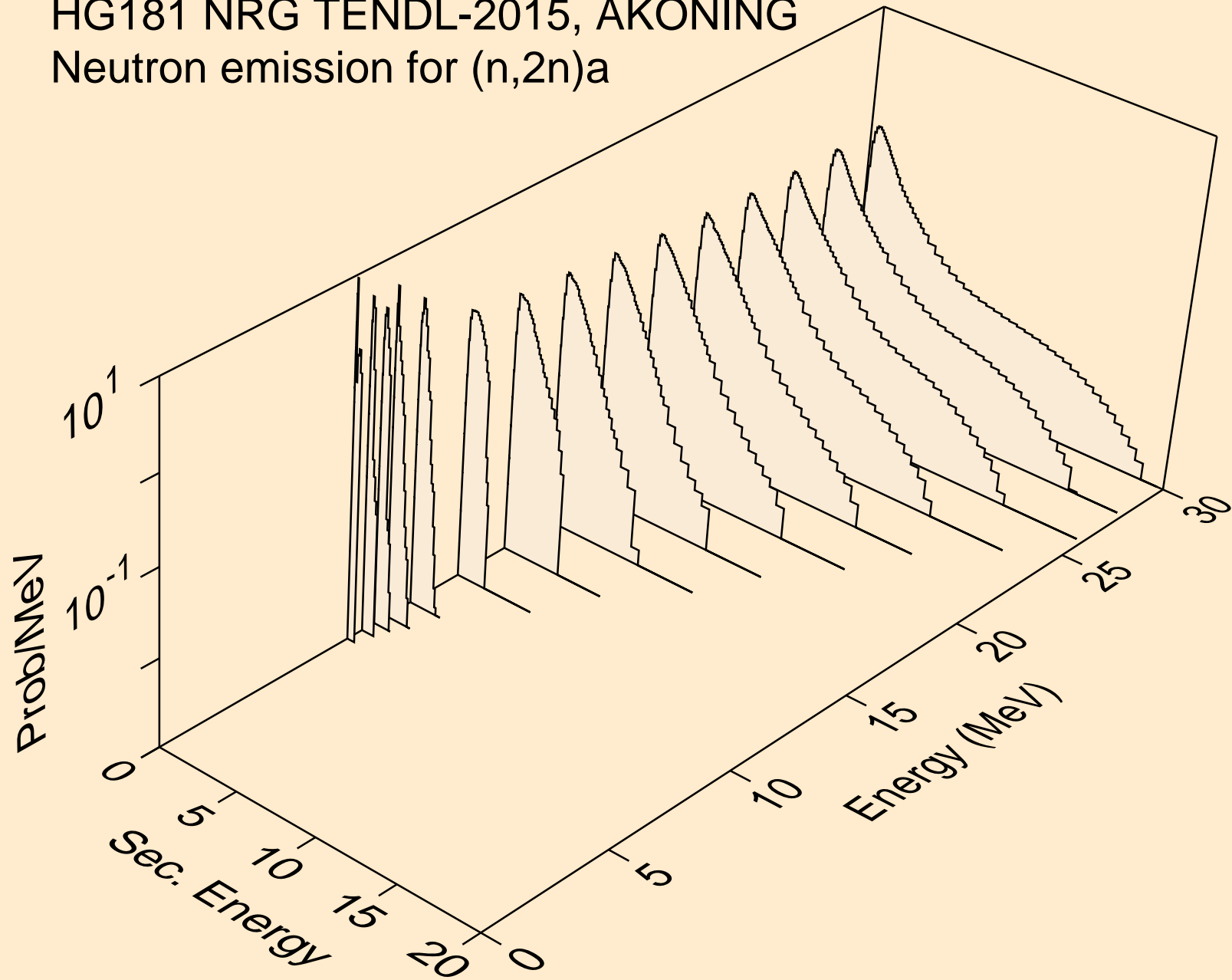


HG181 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)3a

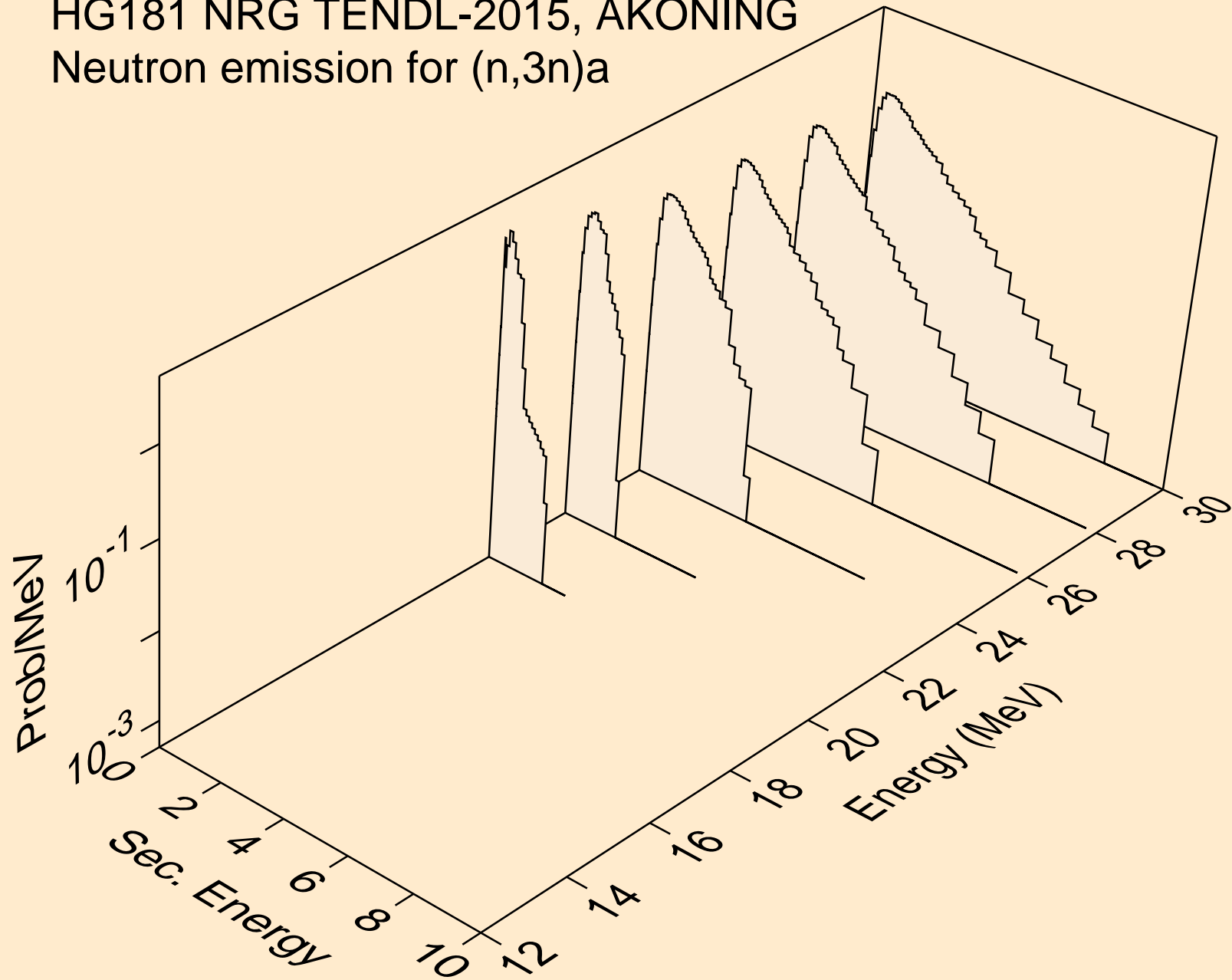




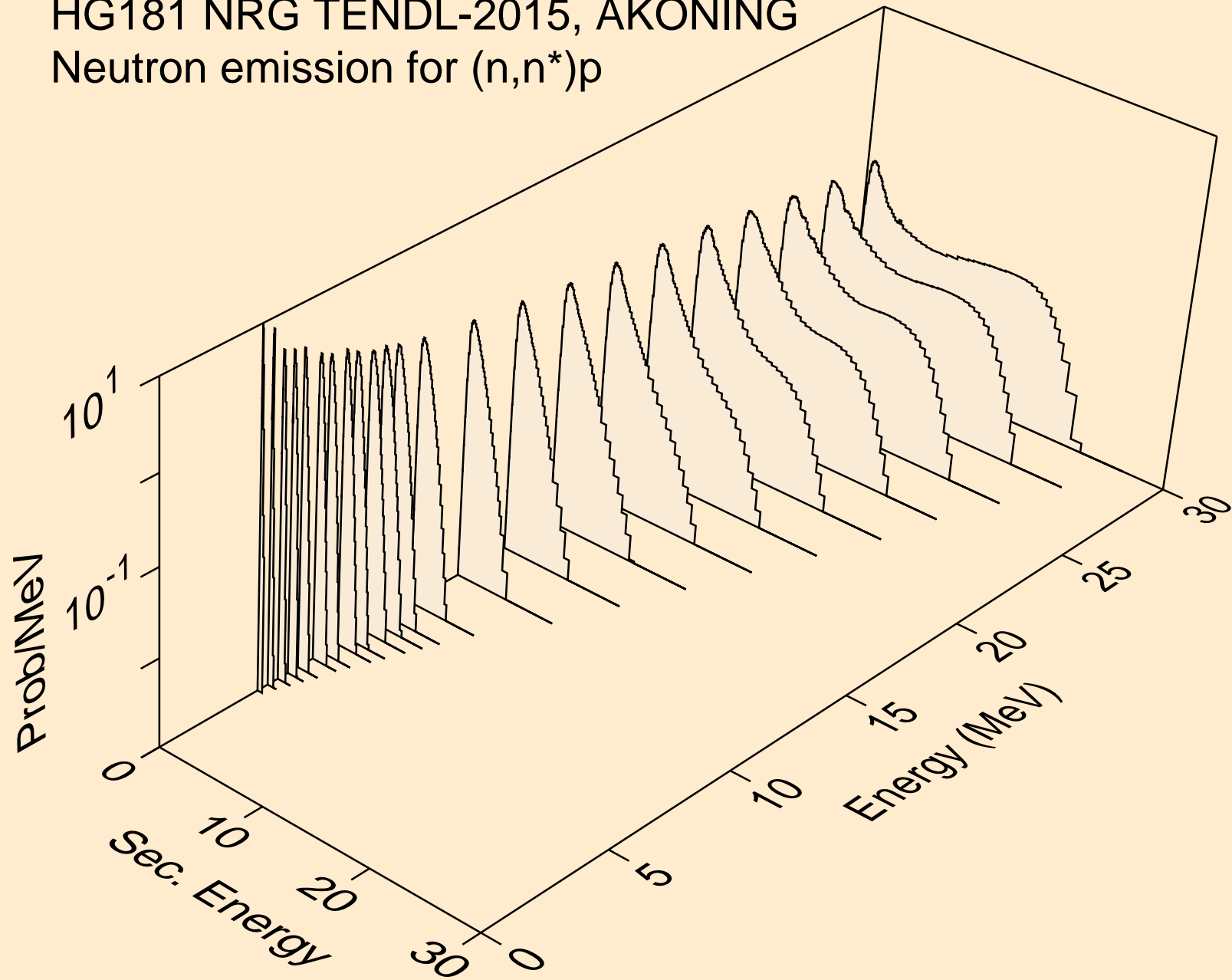
HG181 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



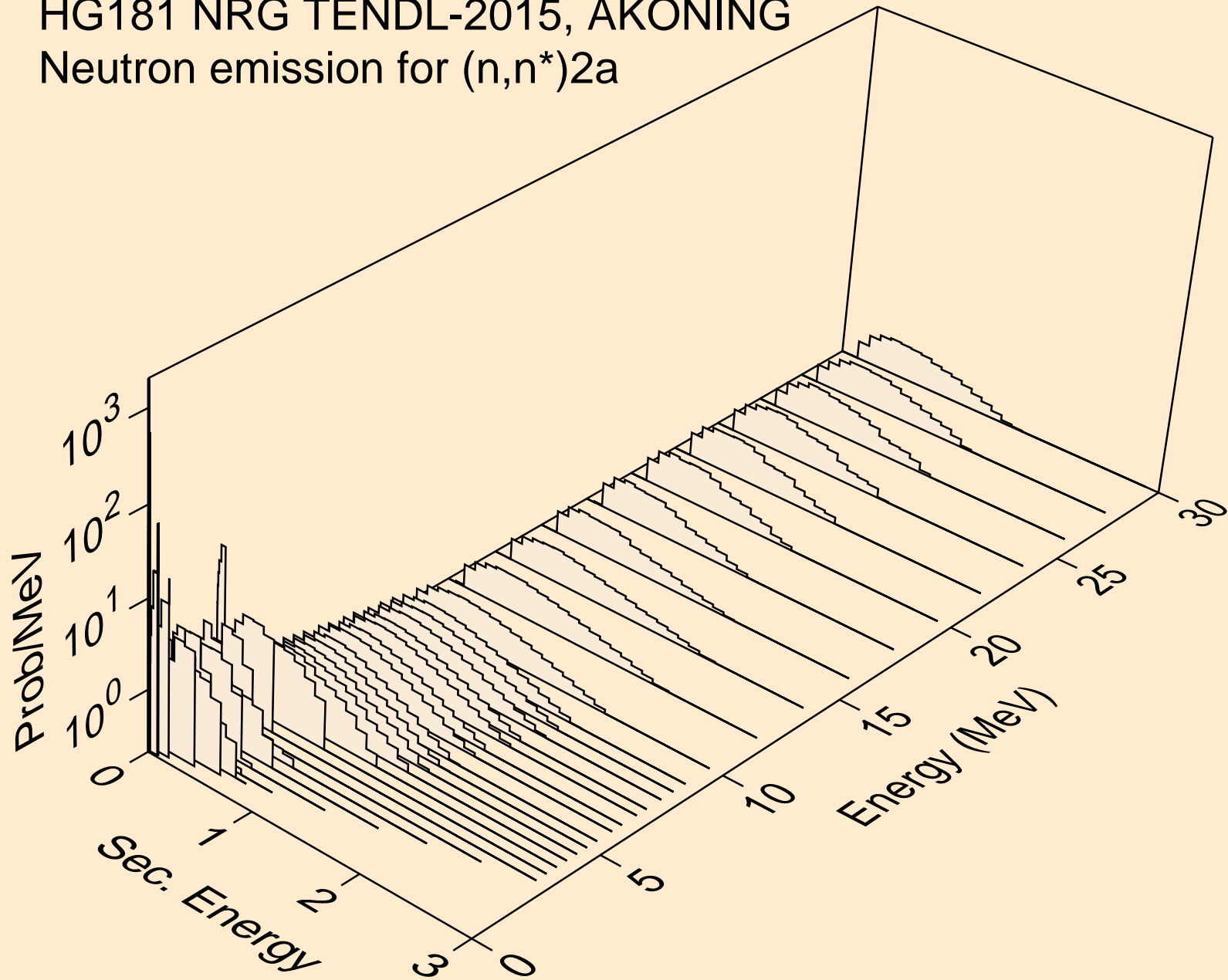
HG181 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



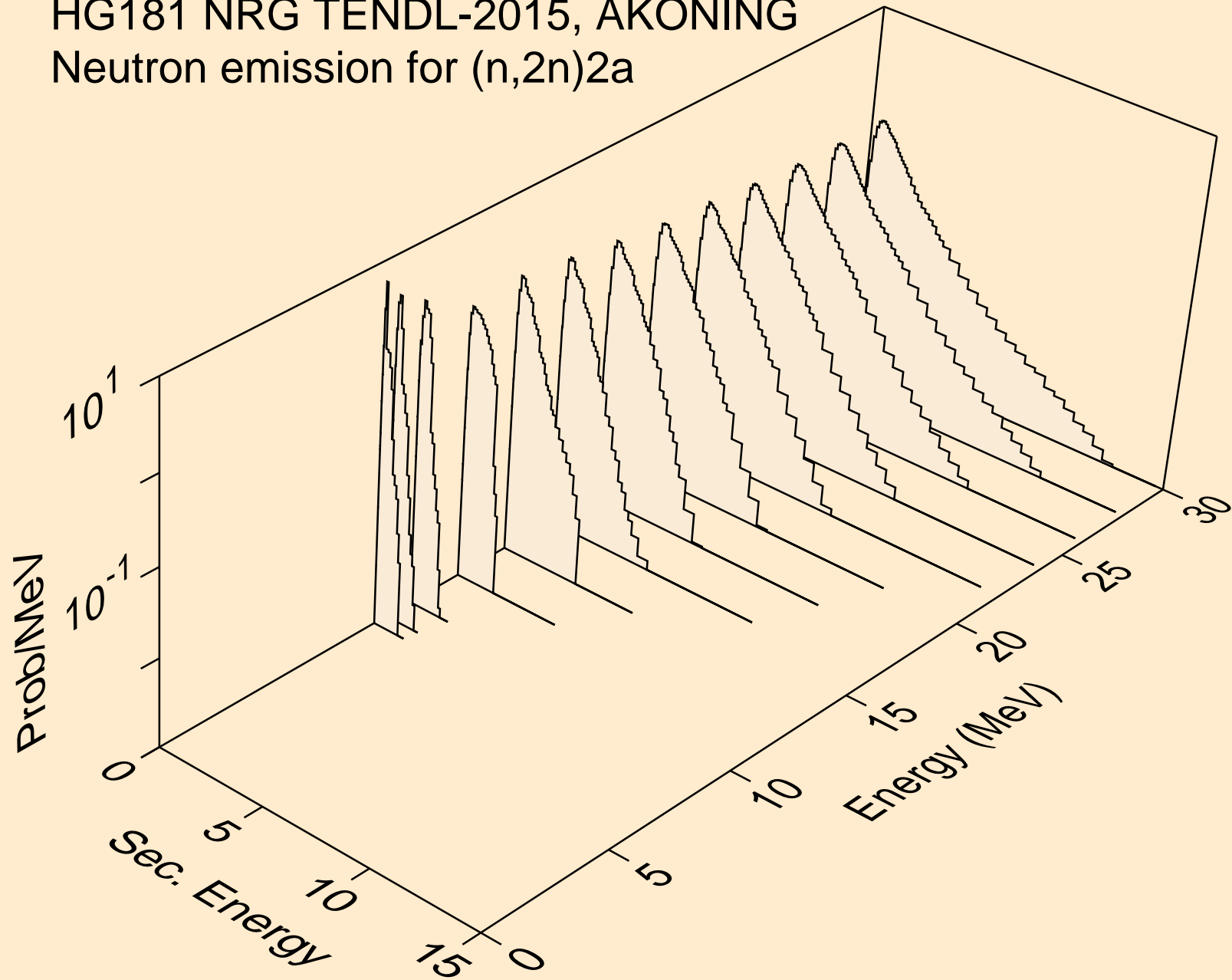
HG181 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



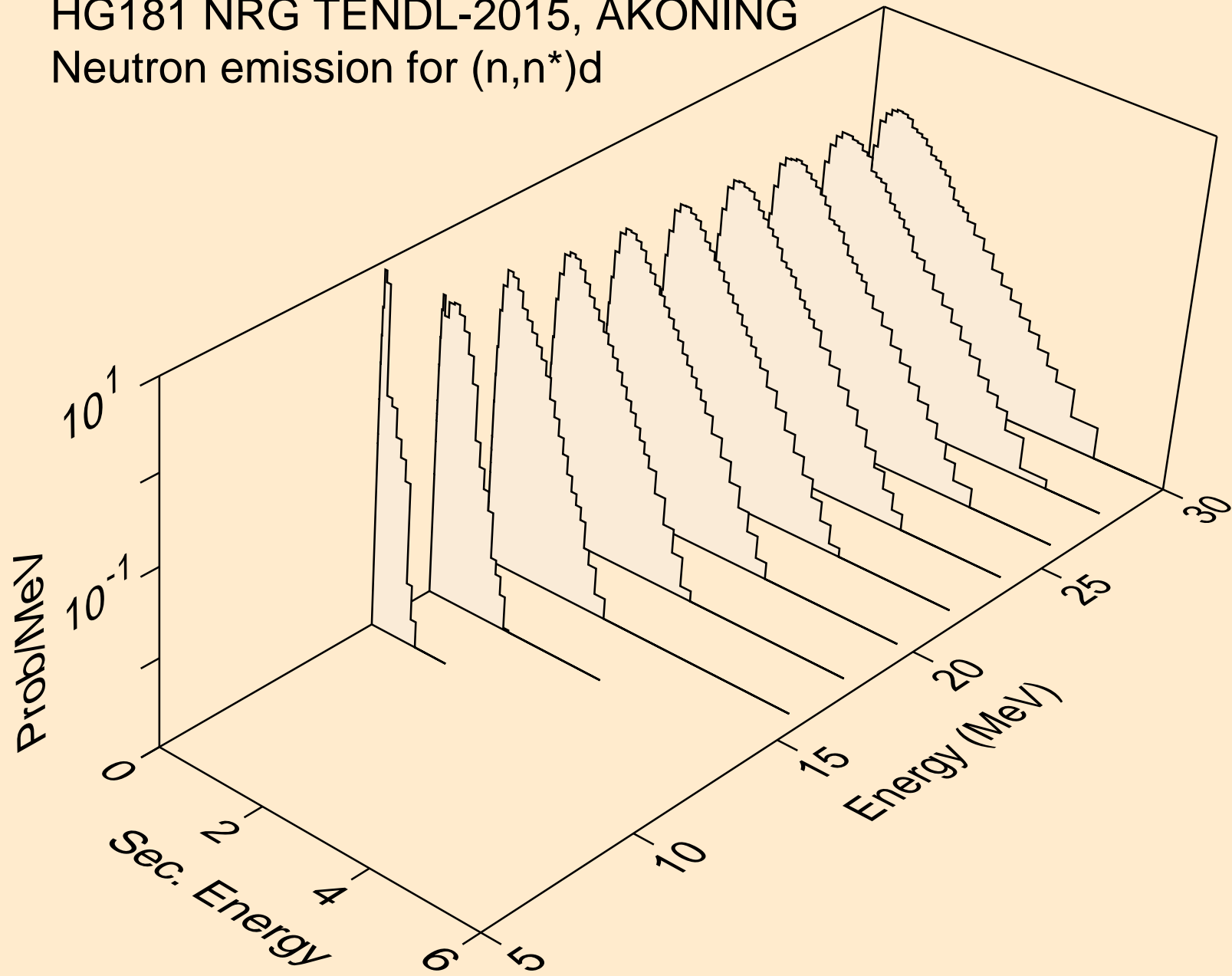
HG181 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



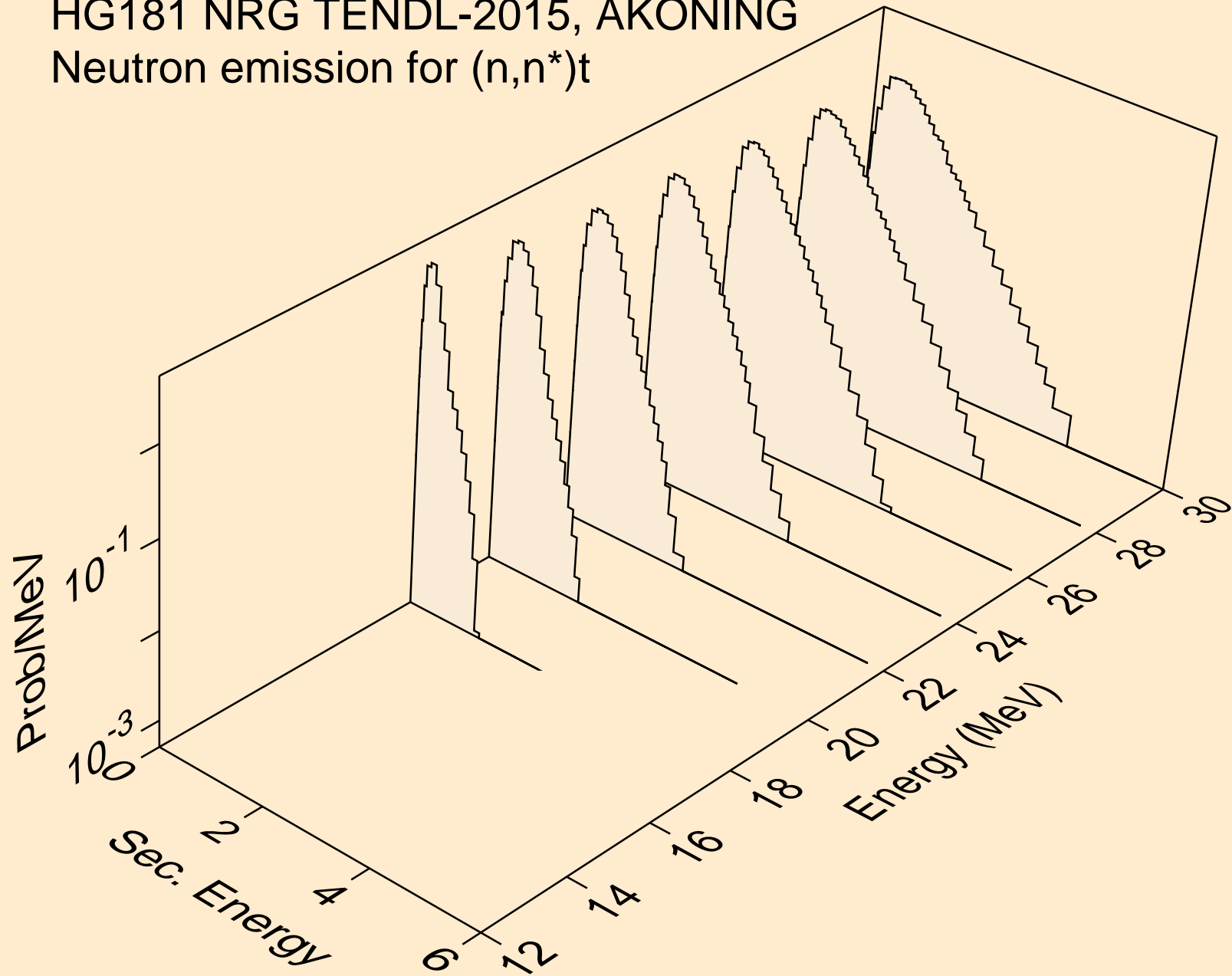
HG181 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)2a



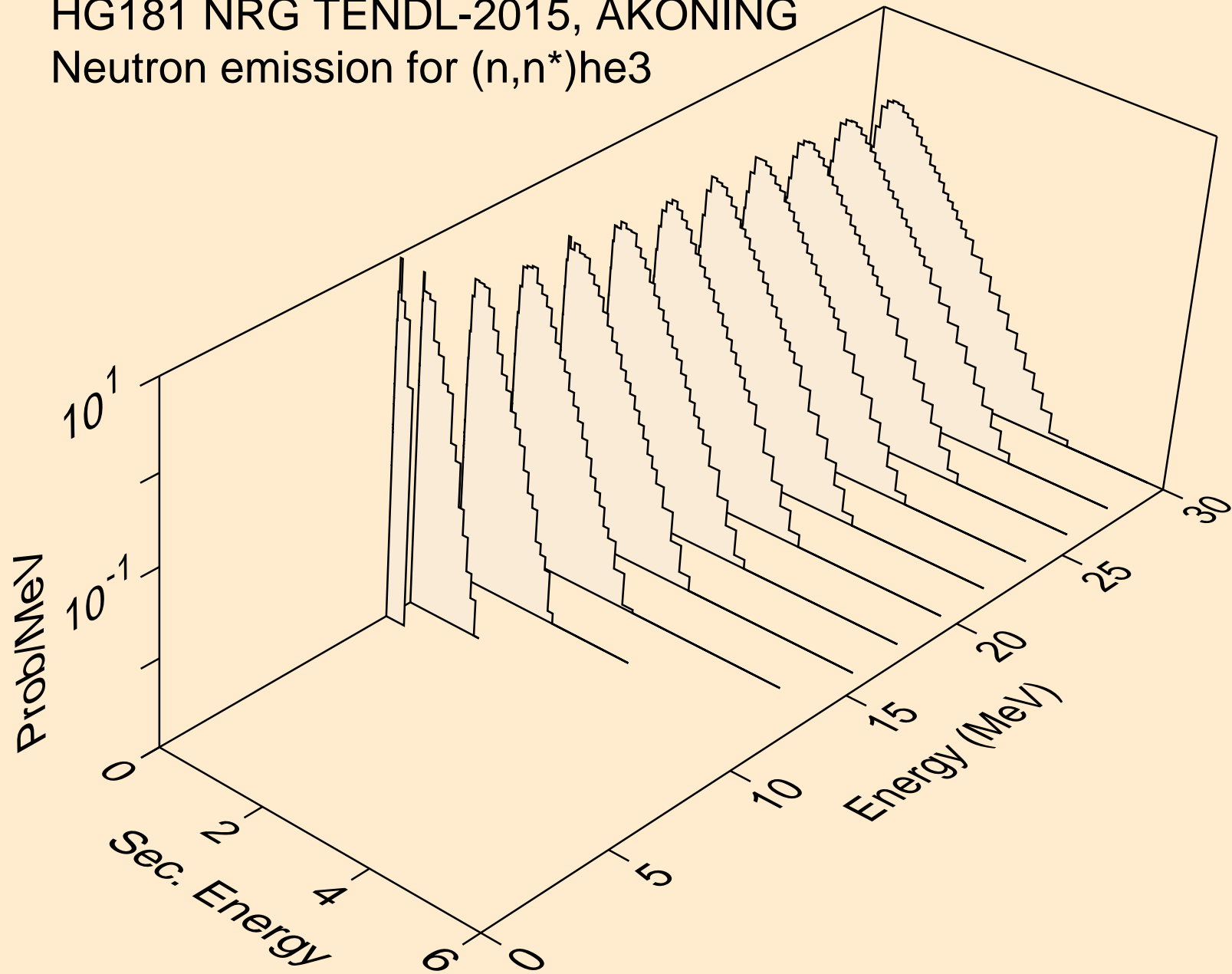
HG181 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



HG181 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t

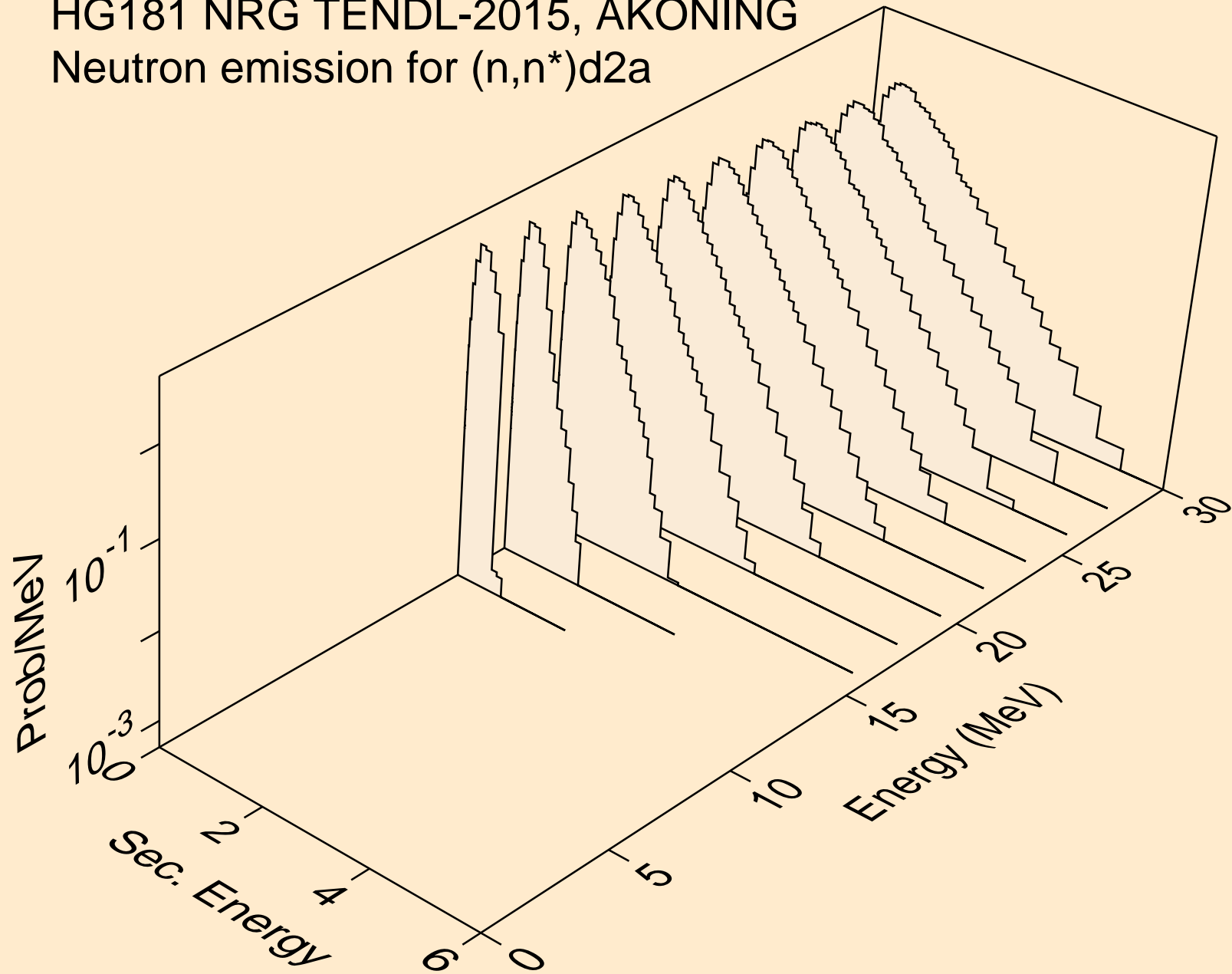


HG181 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3

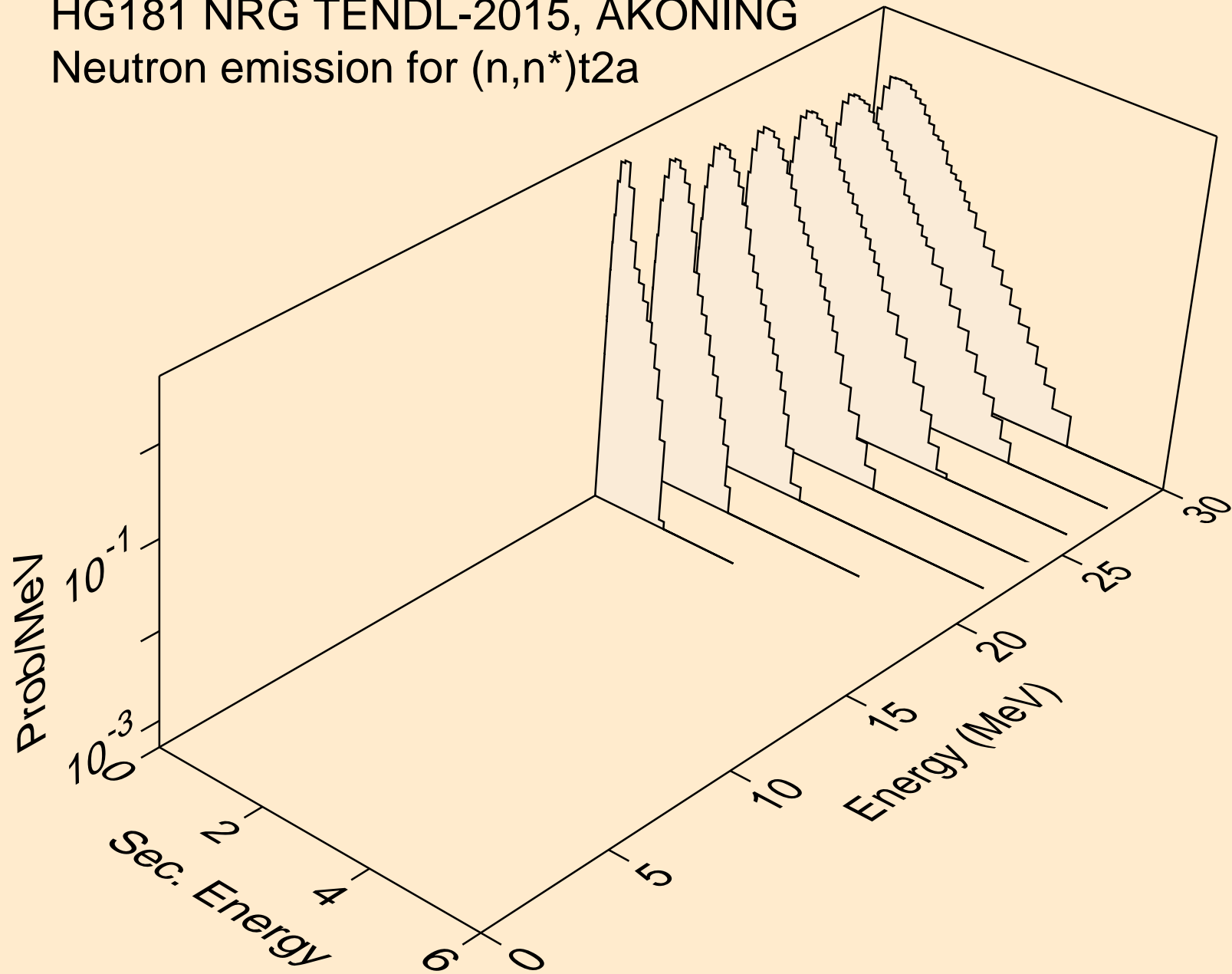




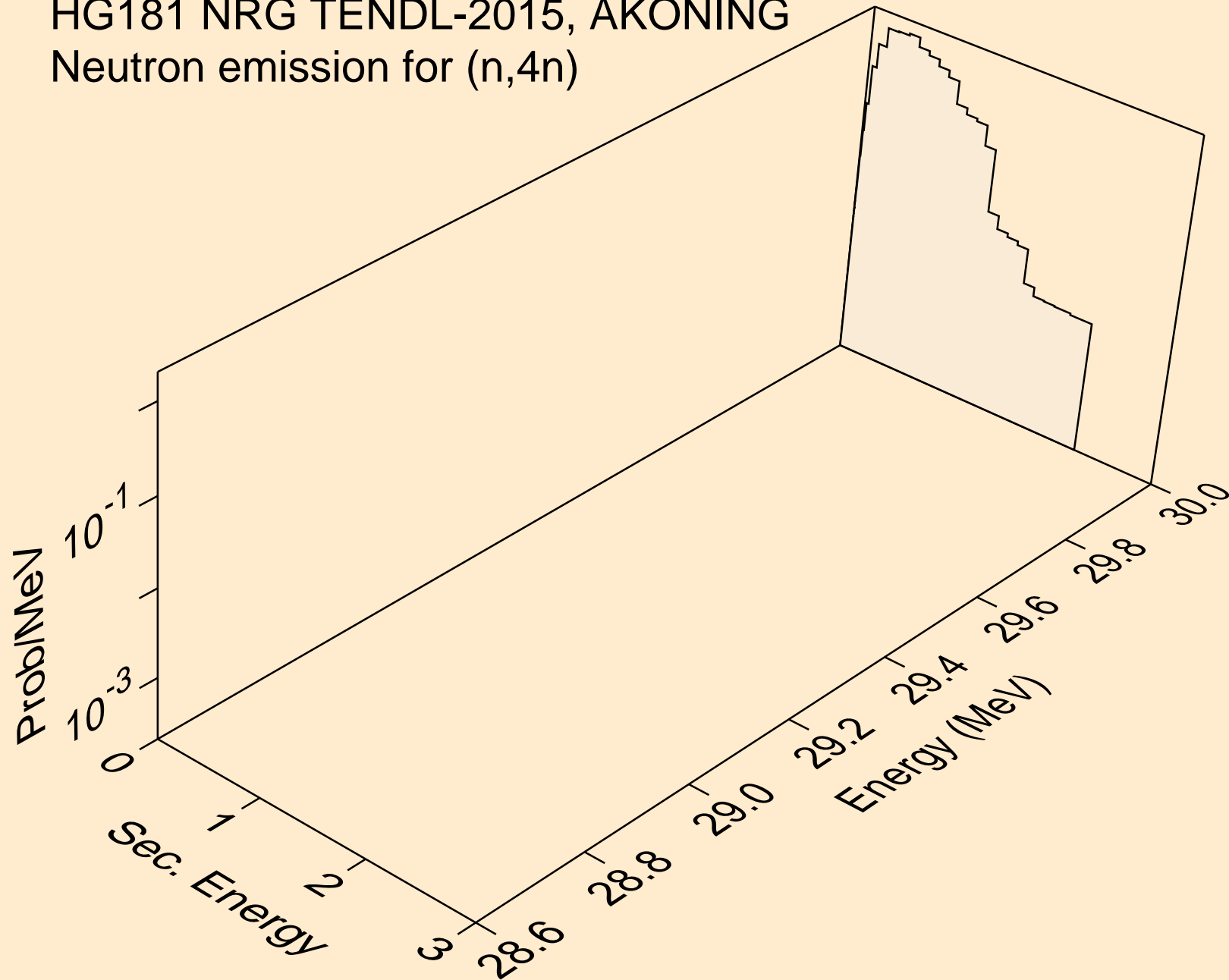
HG181 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d2a



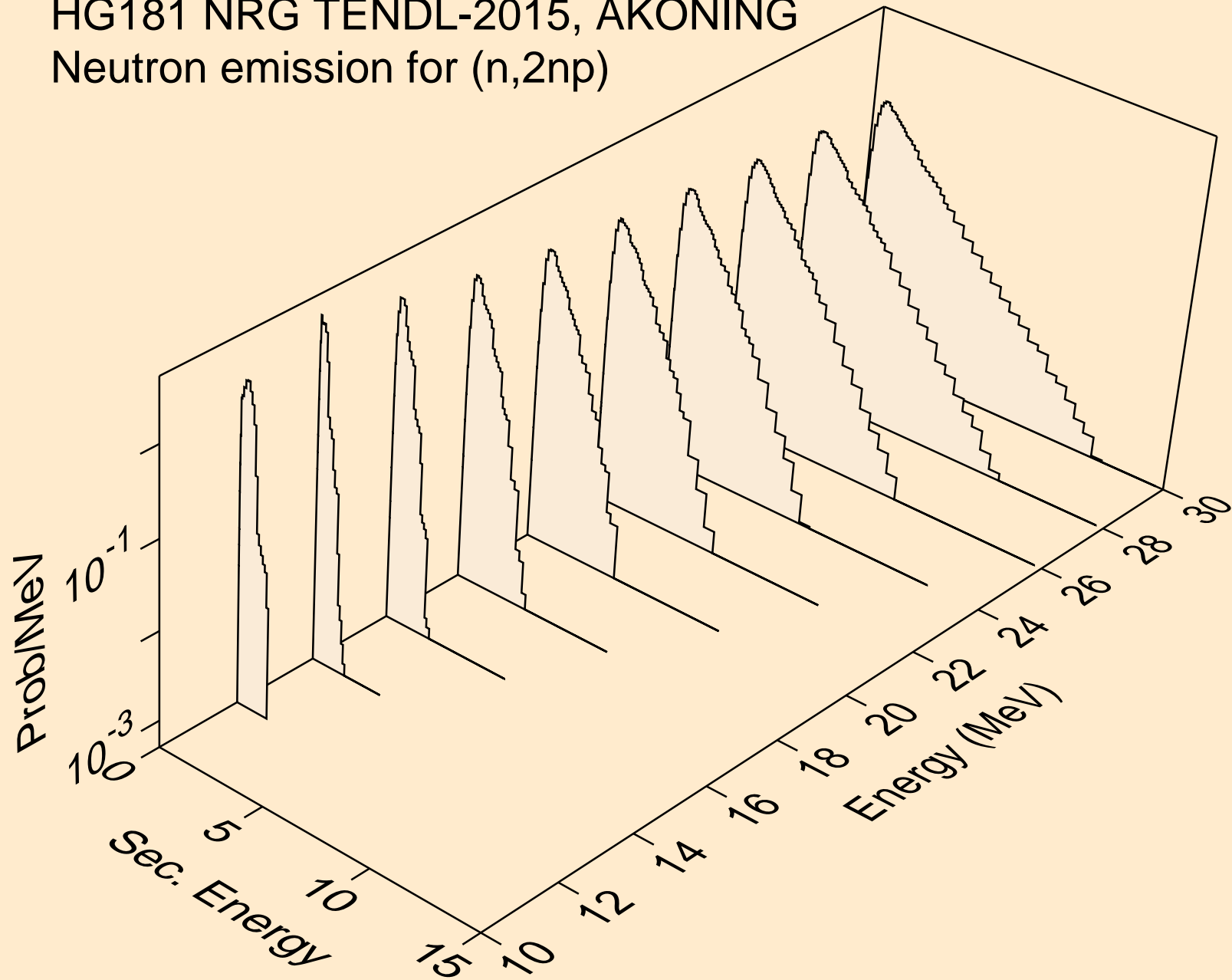
HG181 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t2a



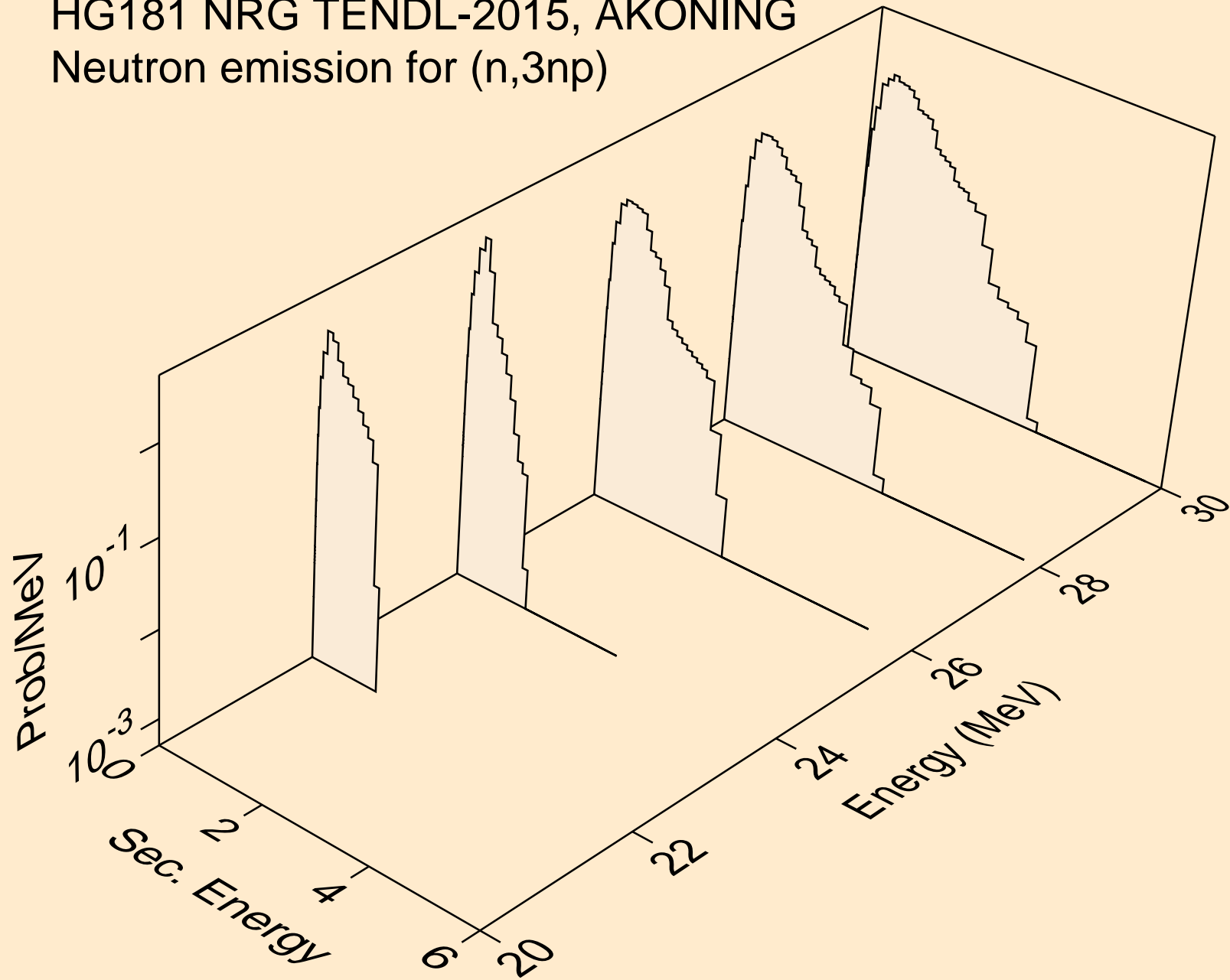
HG181 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



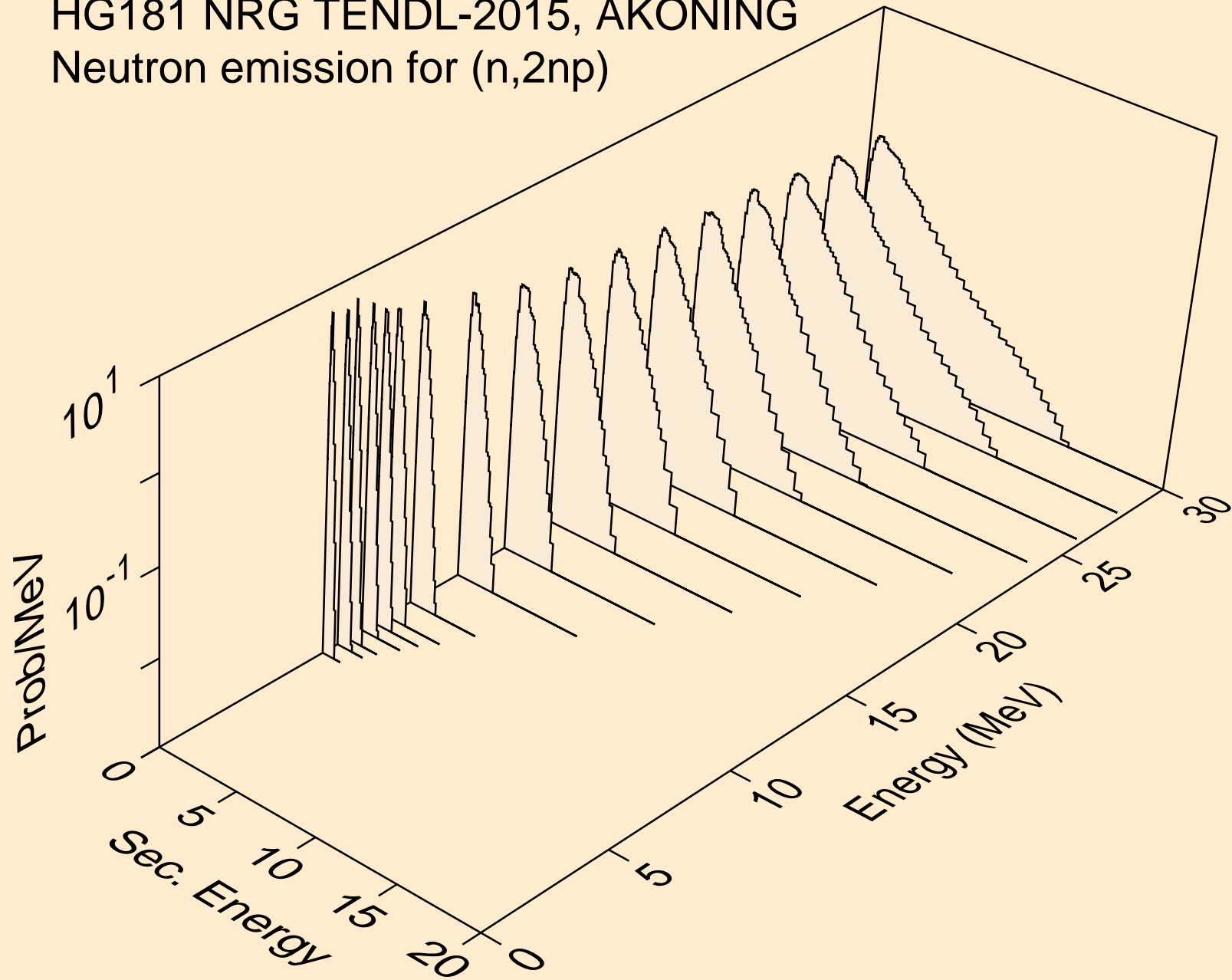
HG181 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



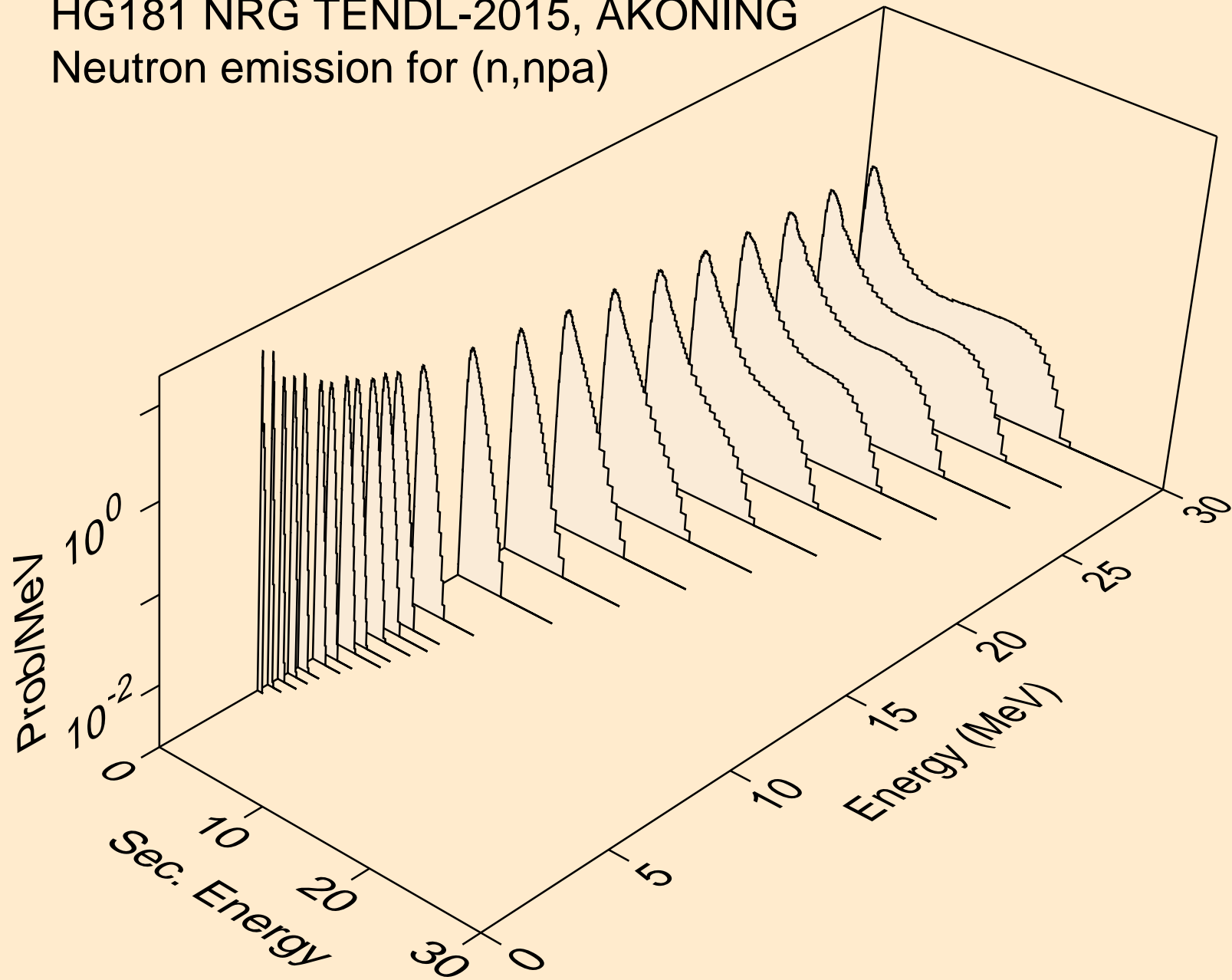
HG181 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



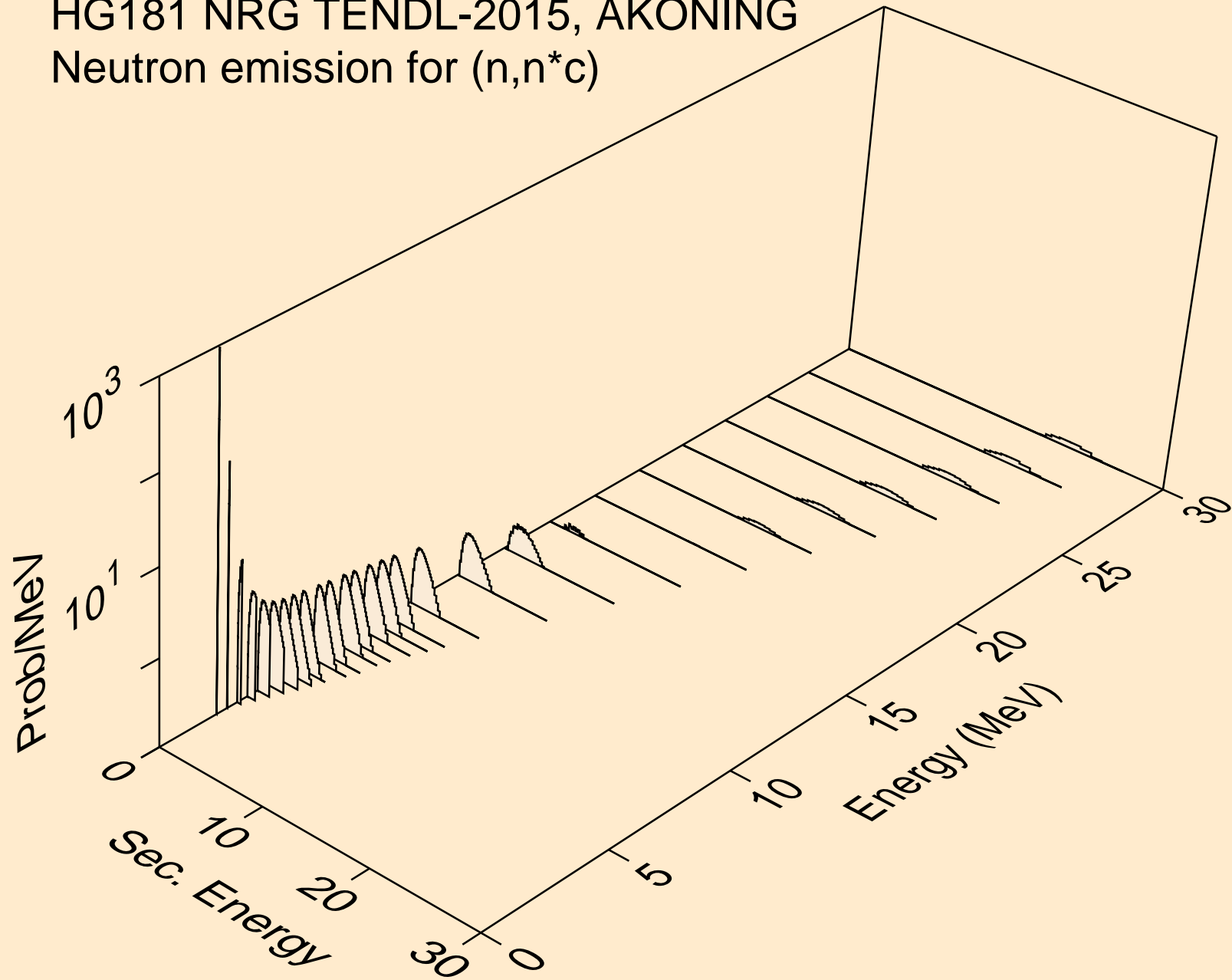
HG181 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



HG181 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)

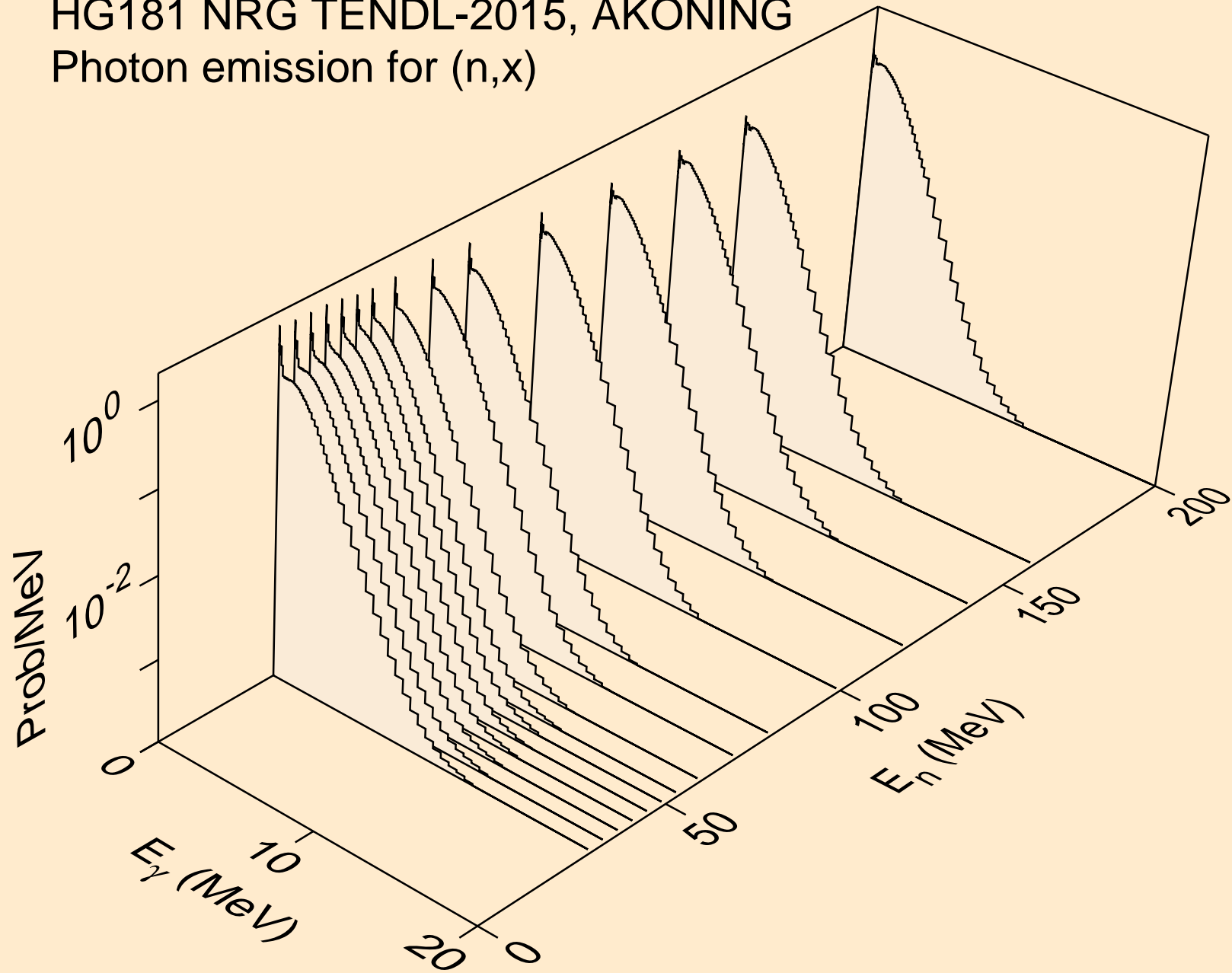


HG181 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)

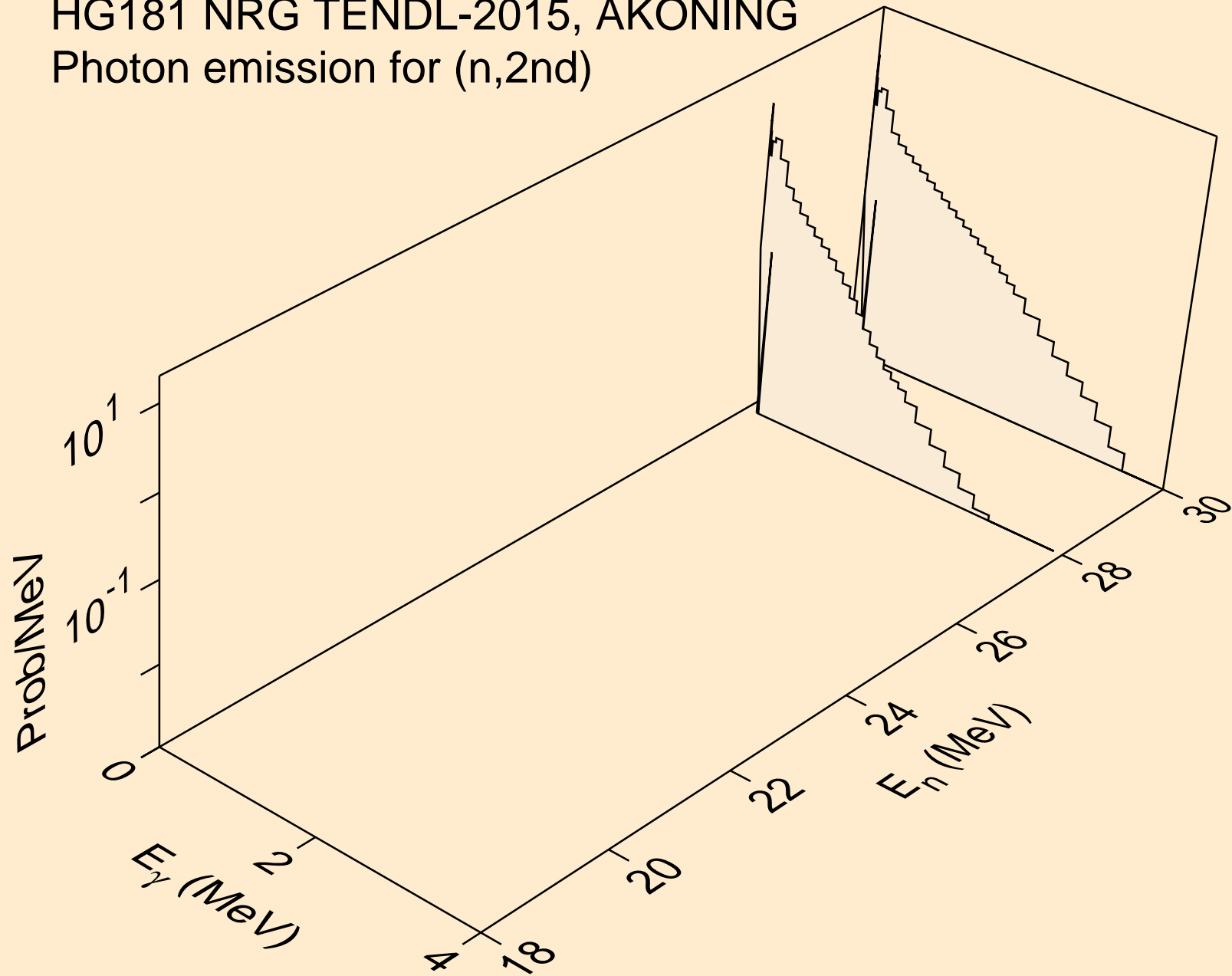




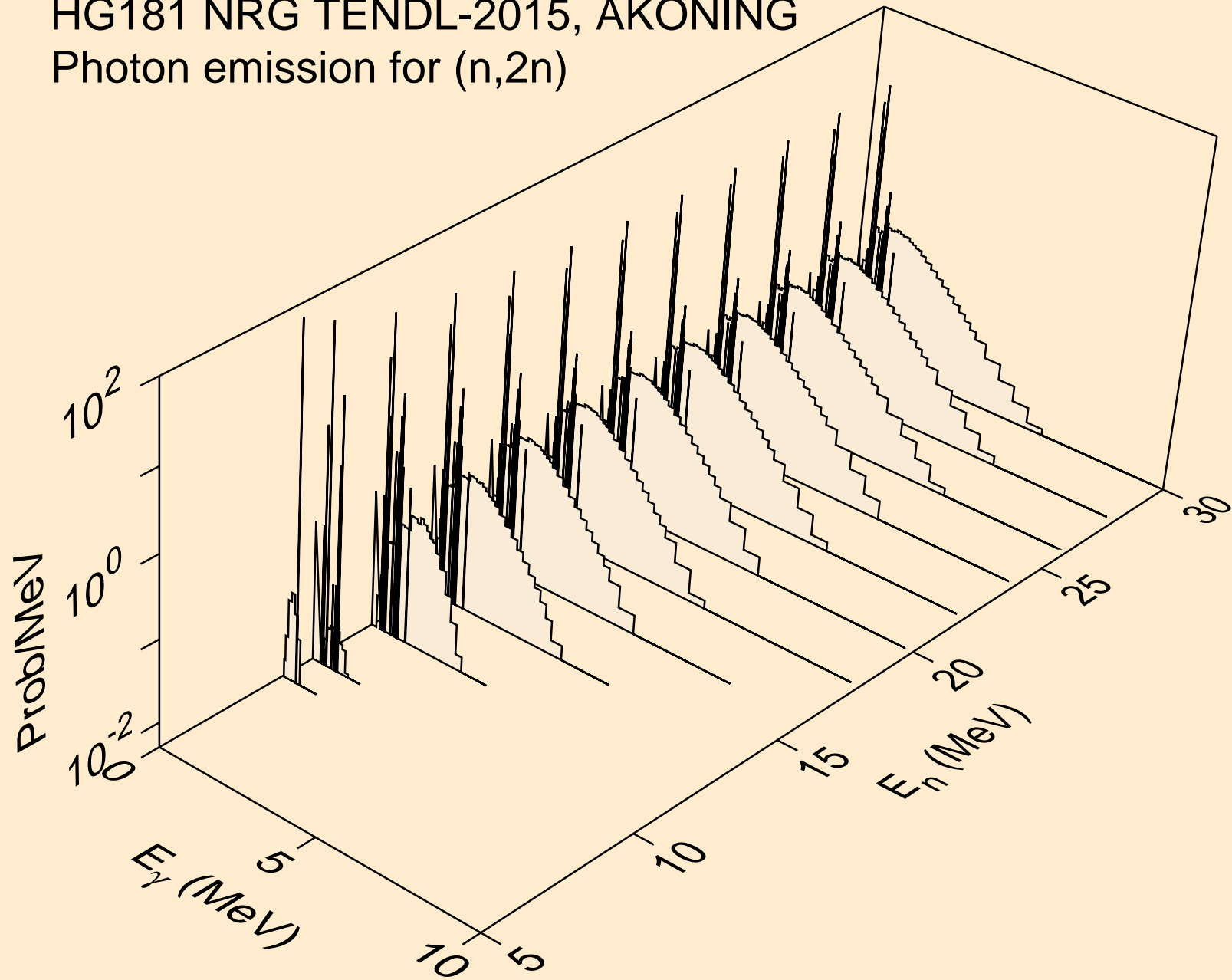
HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



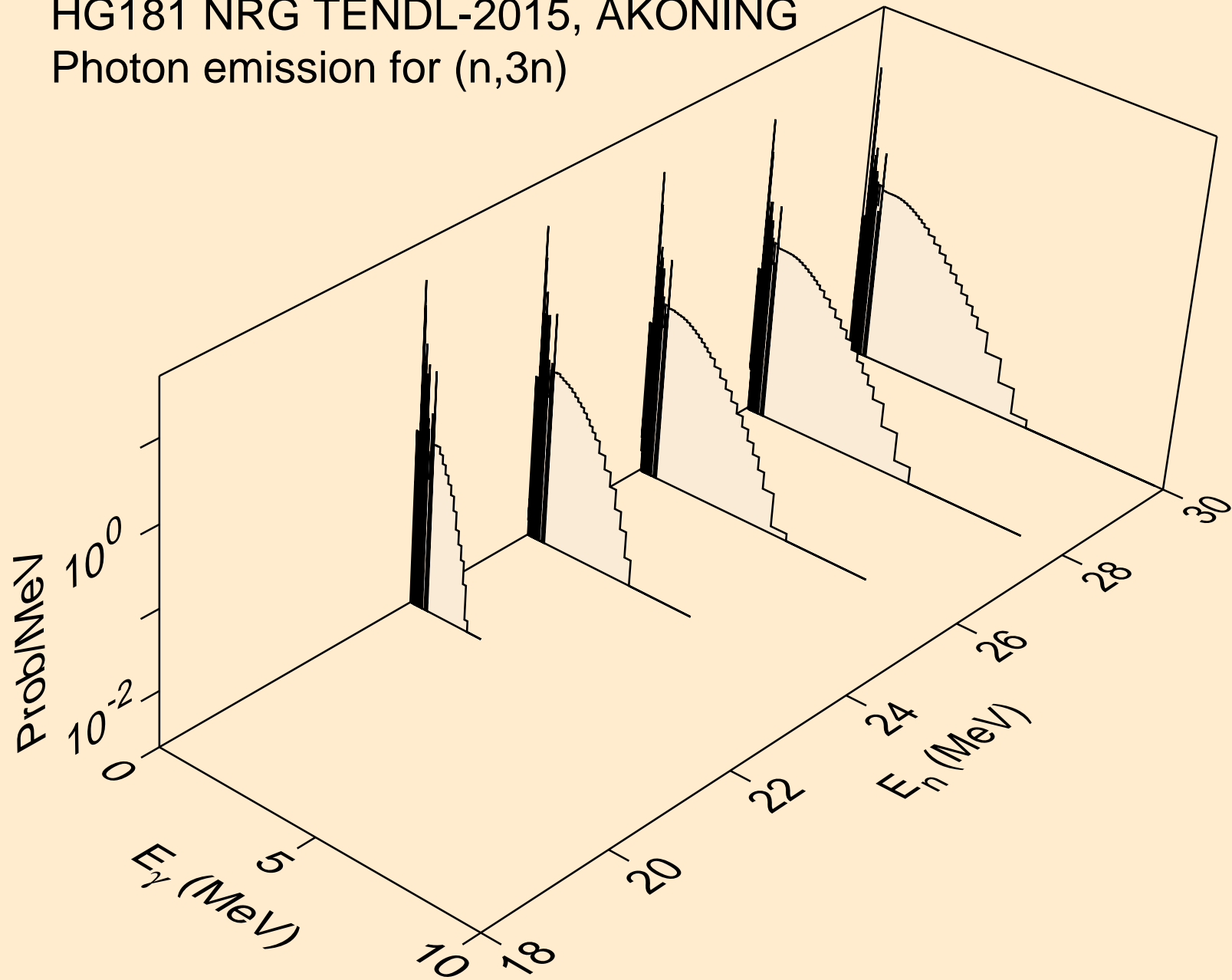
HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



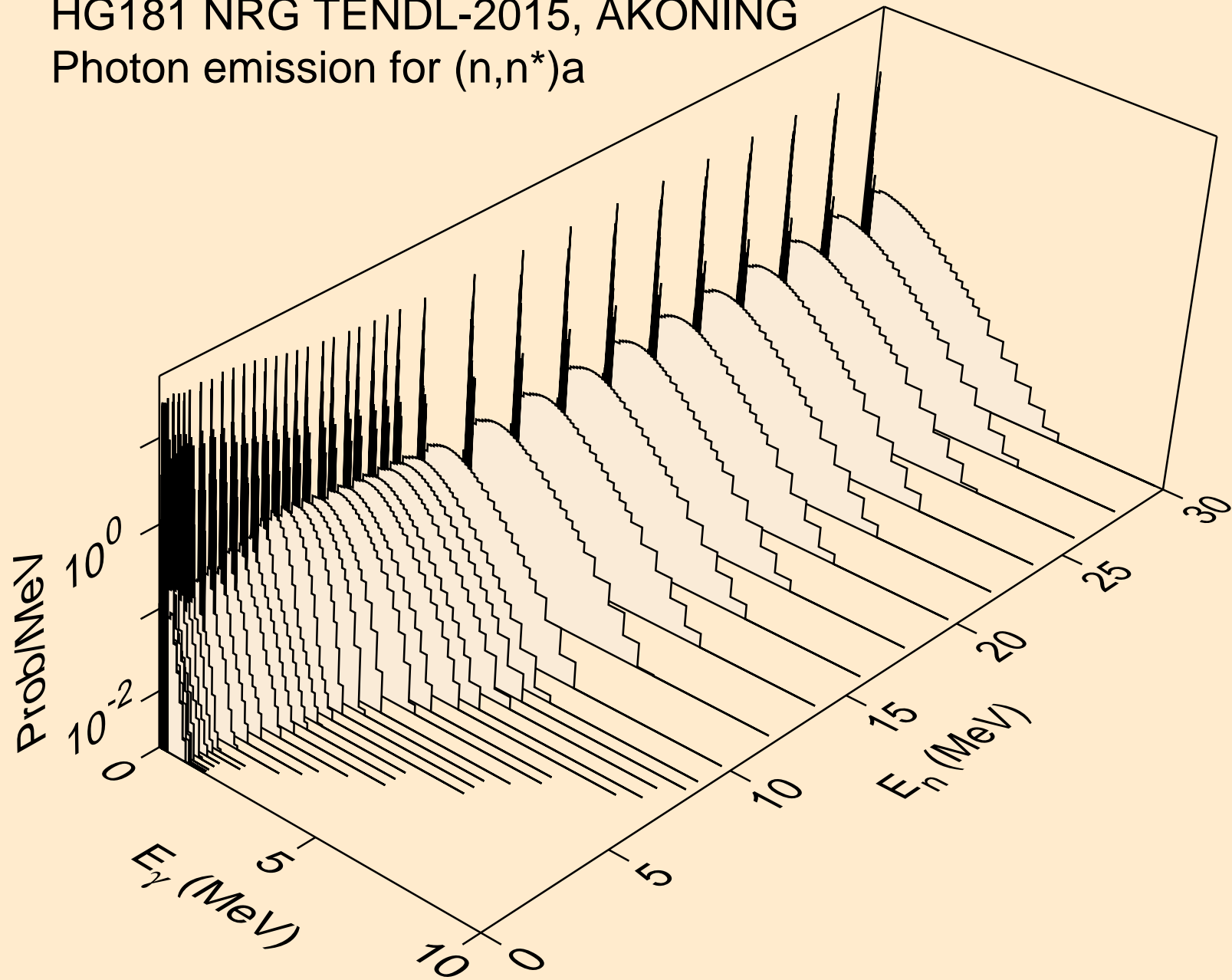
HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



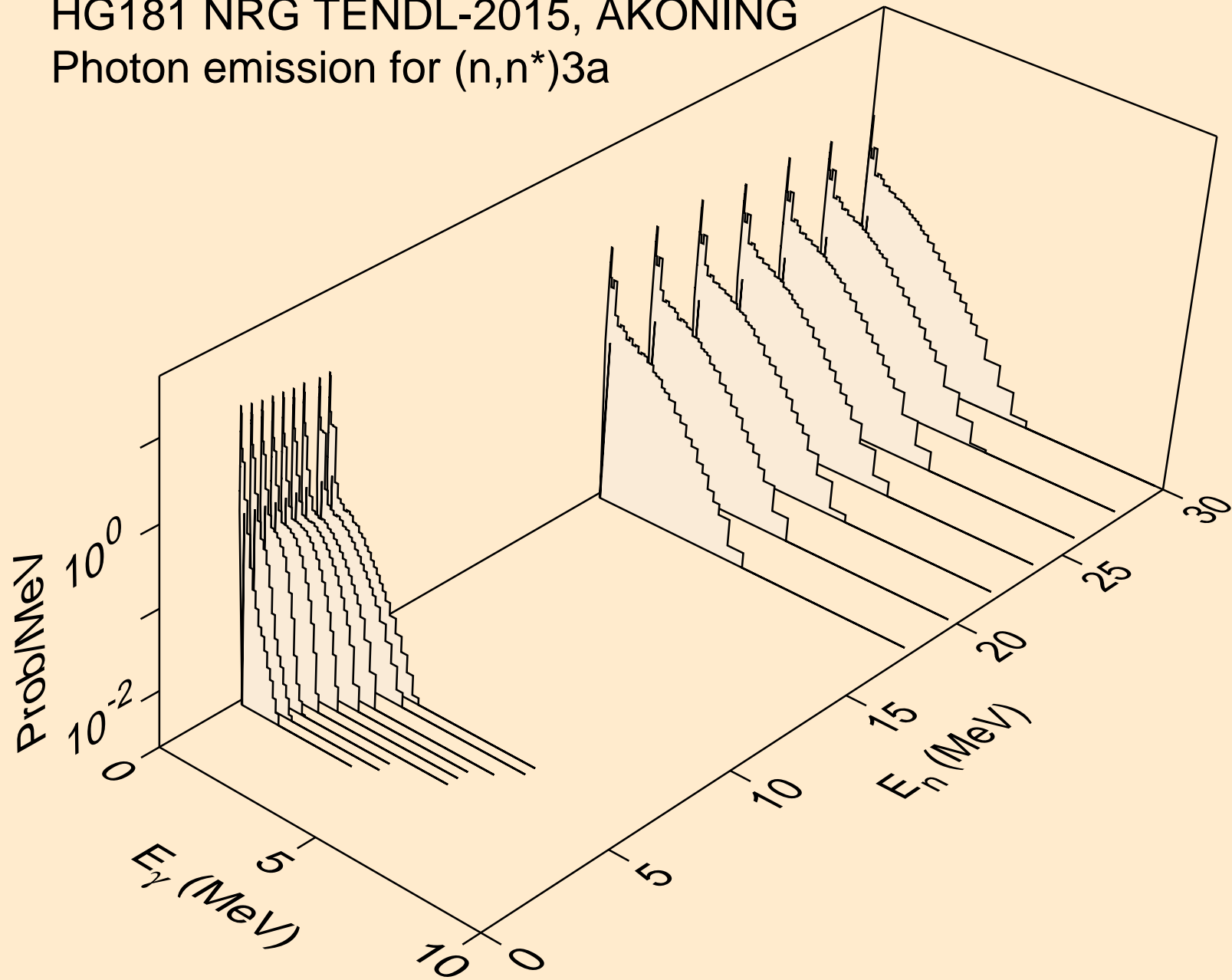
HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



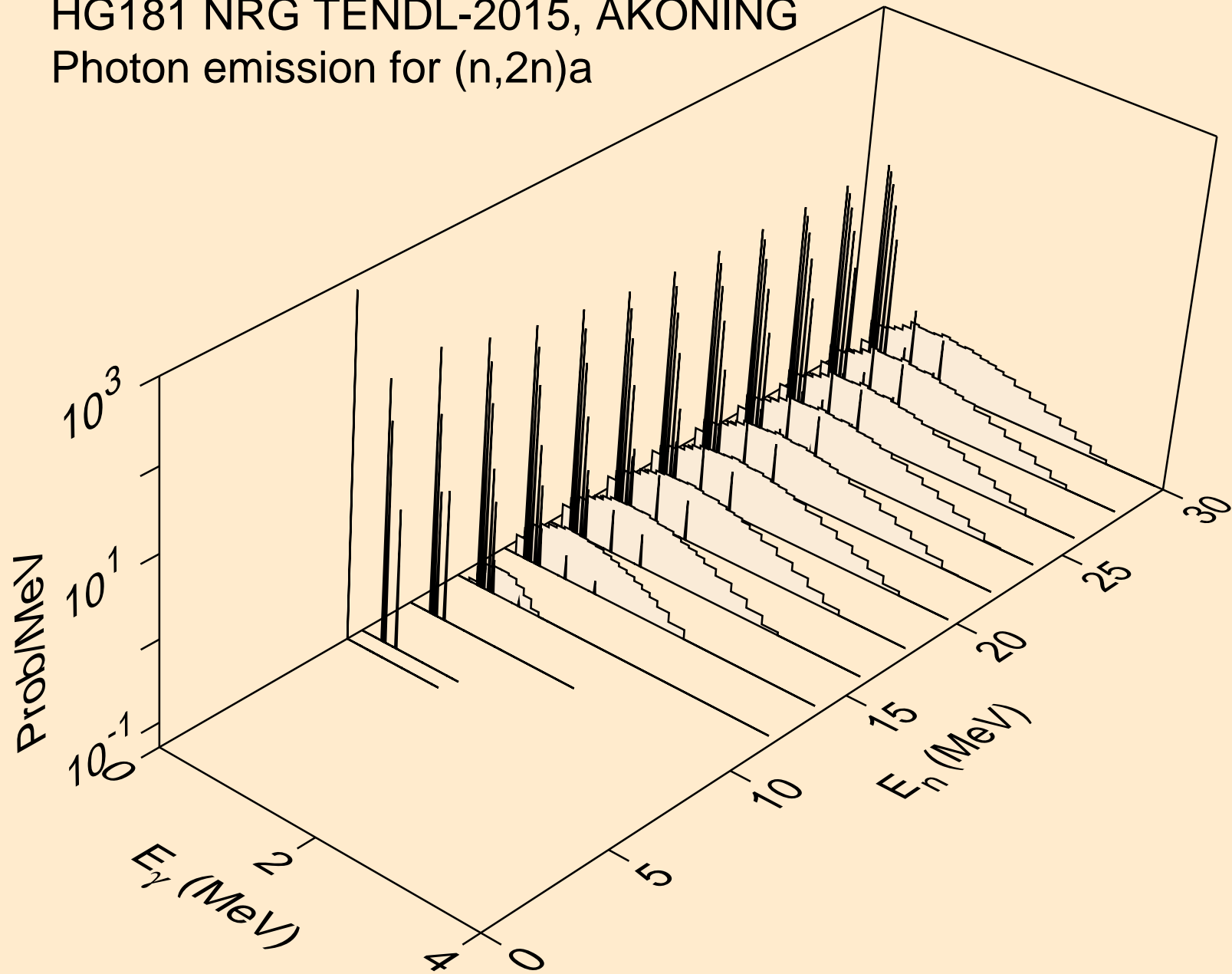
HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



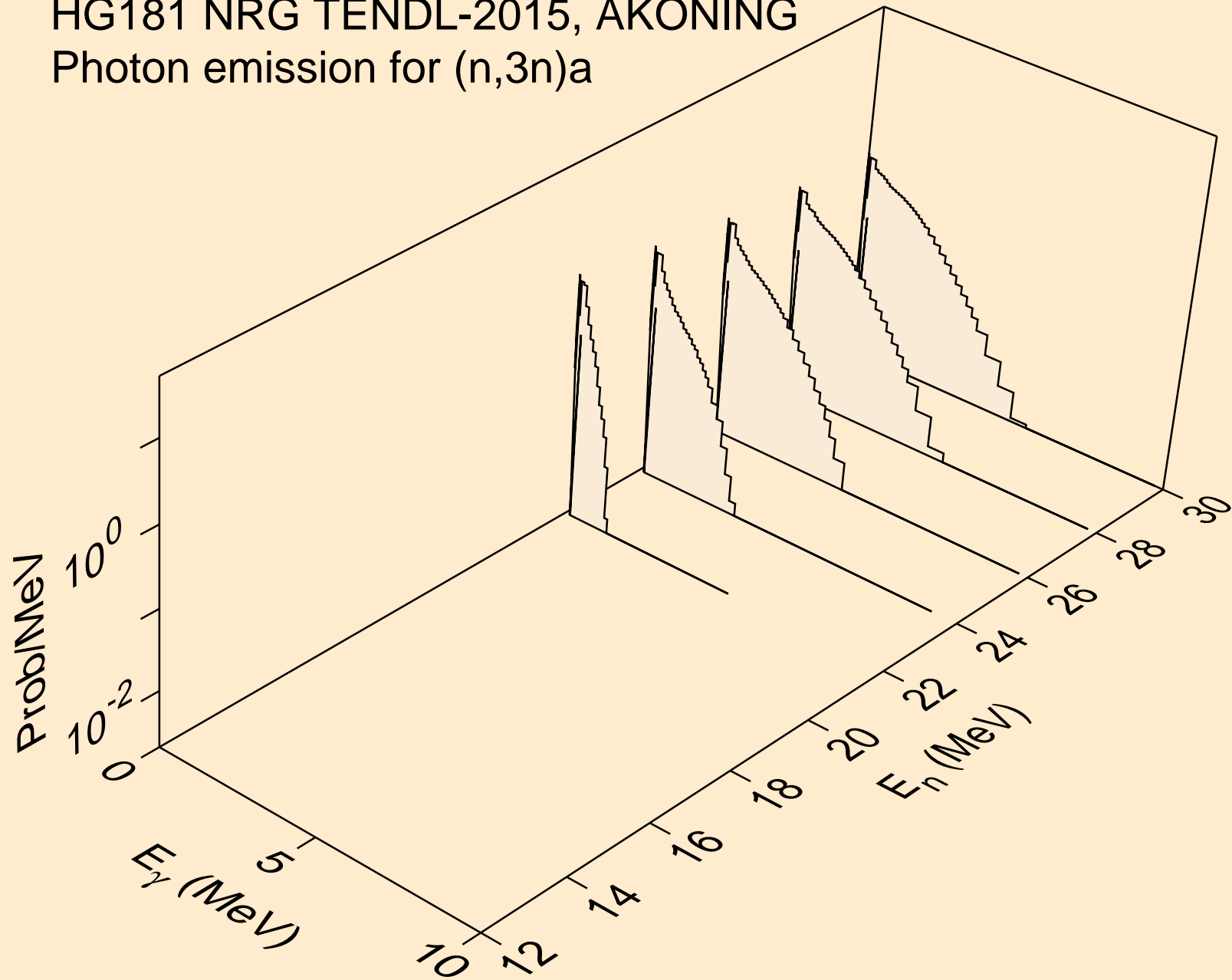
HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)3a



HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a

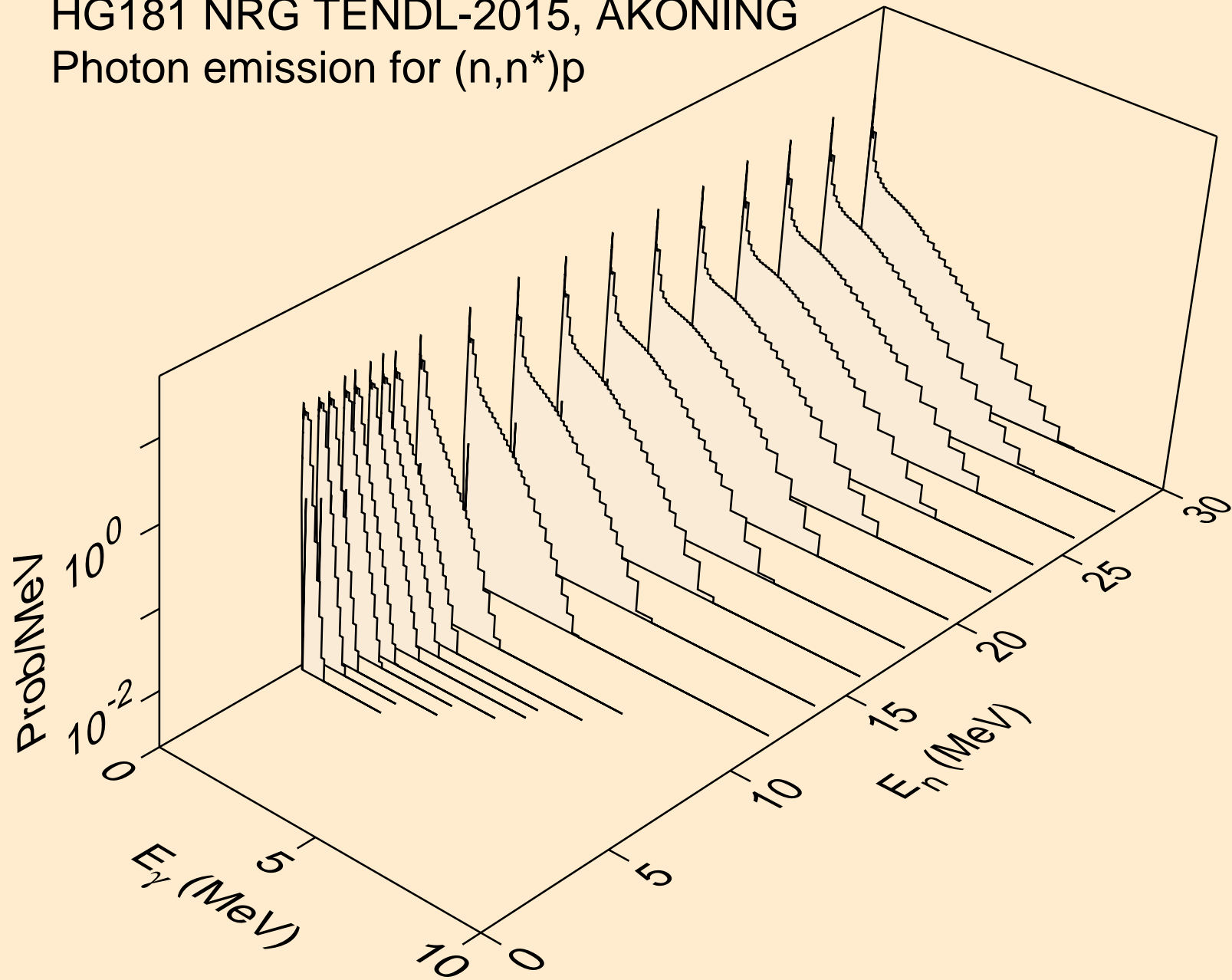


HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a

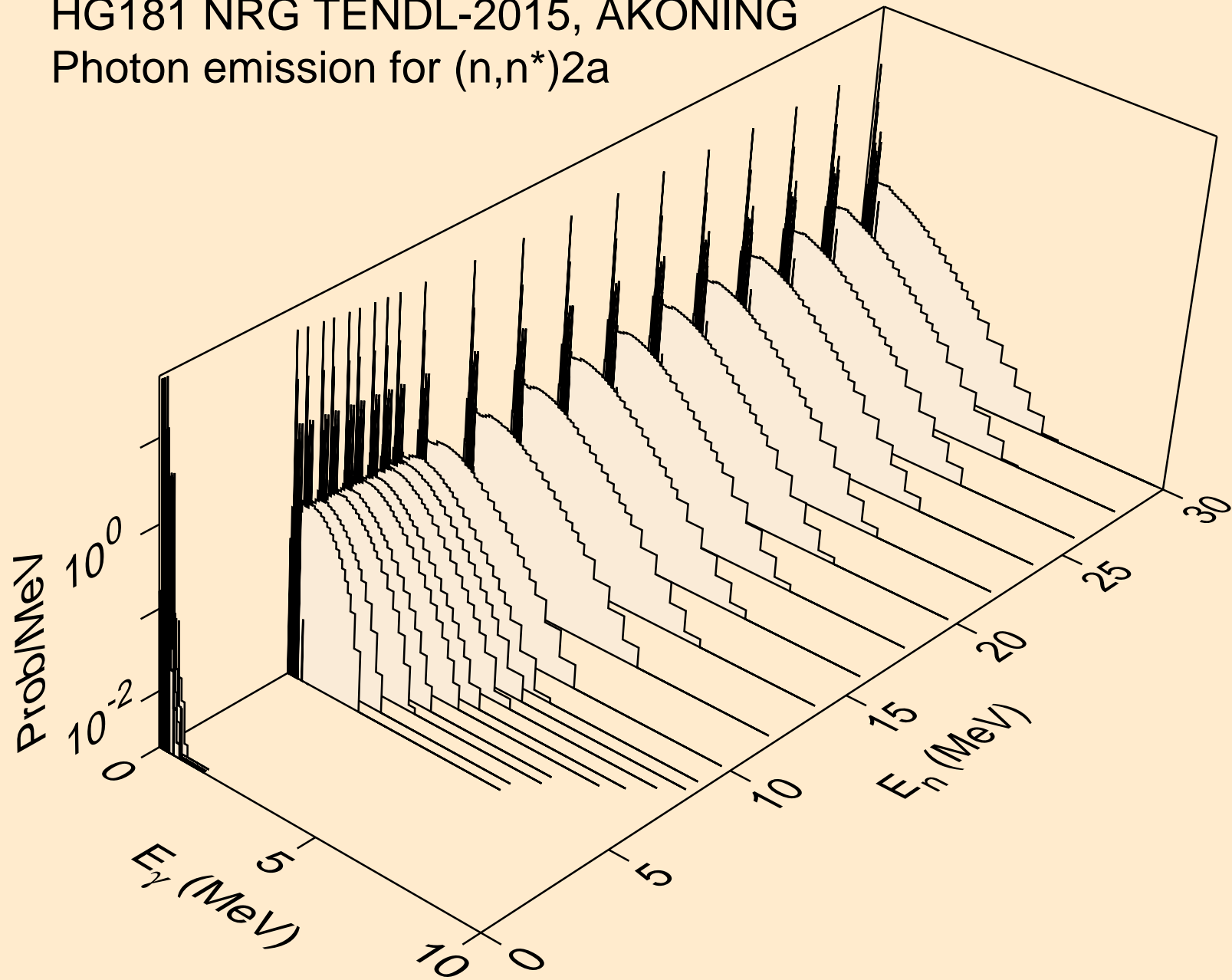




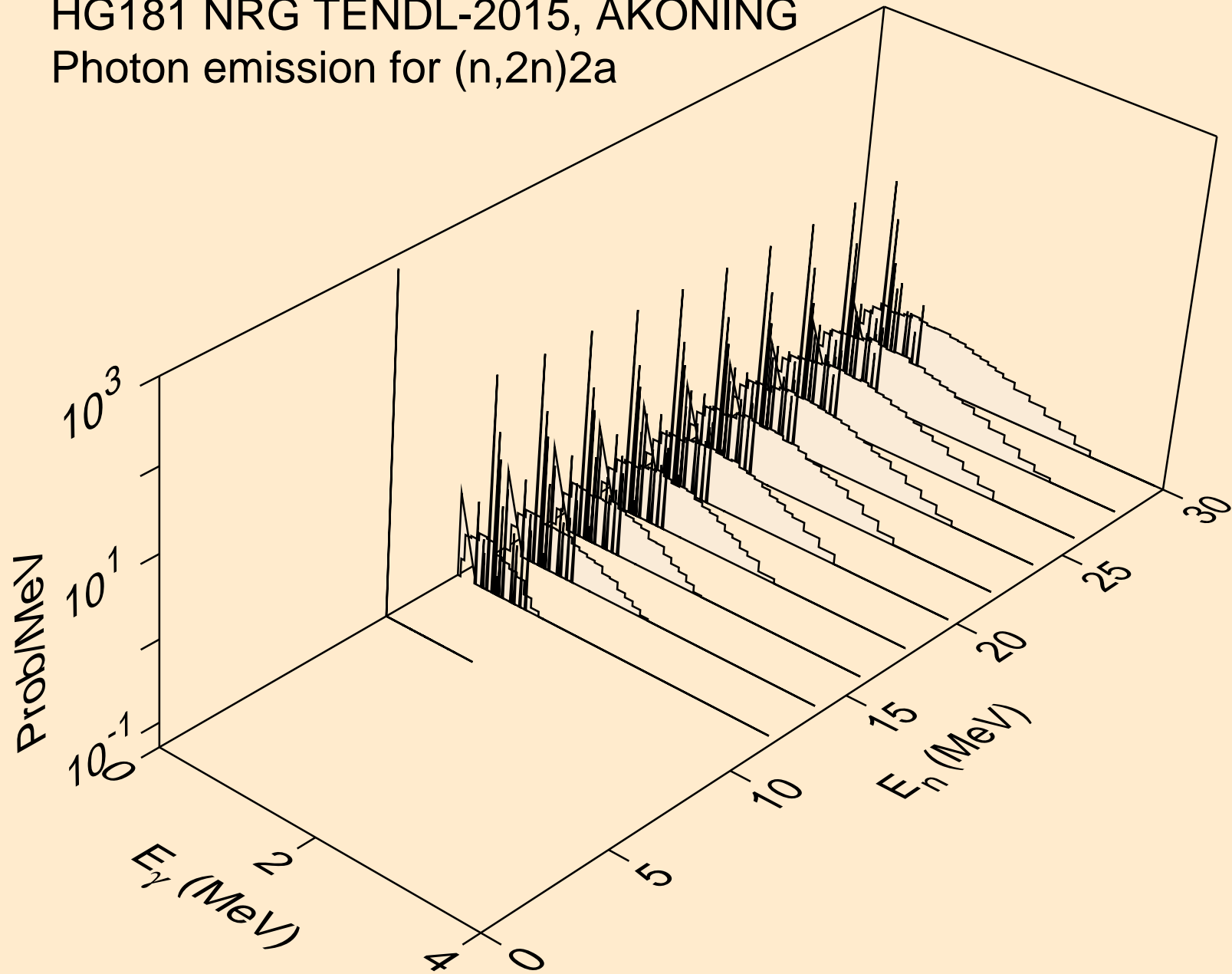
HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



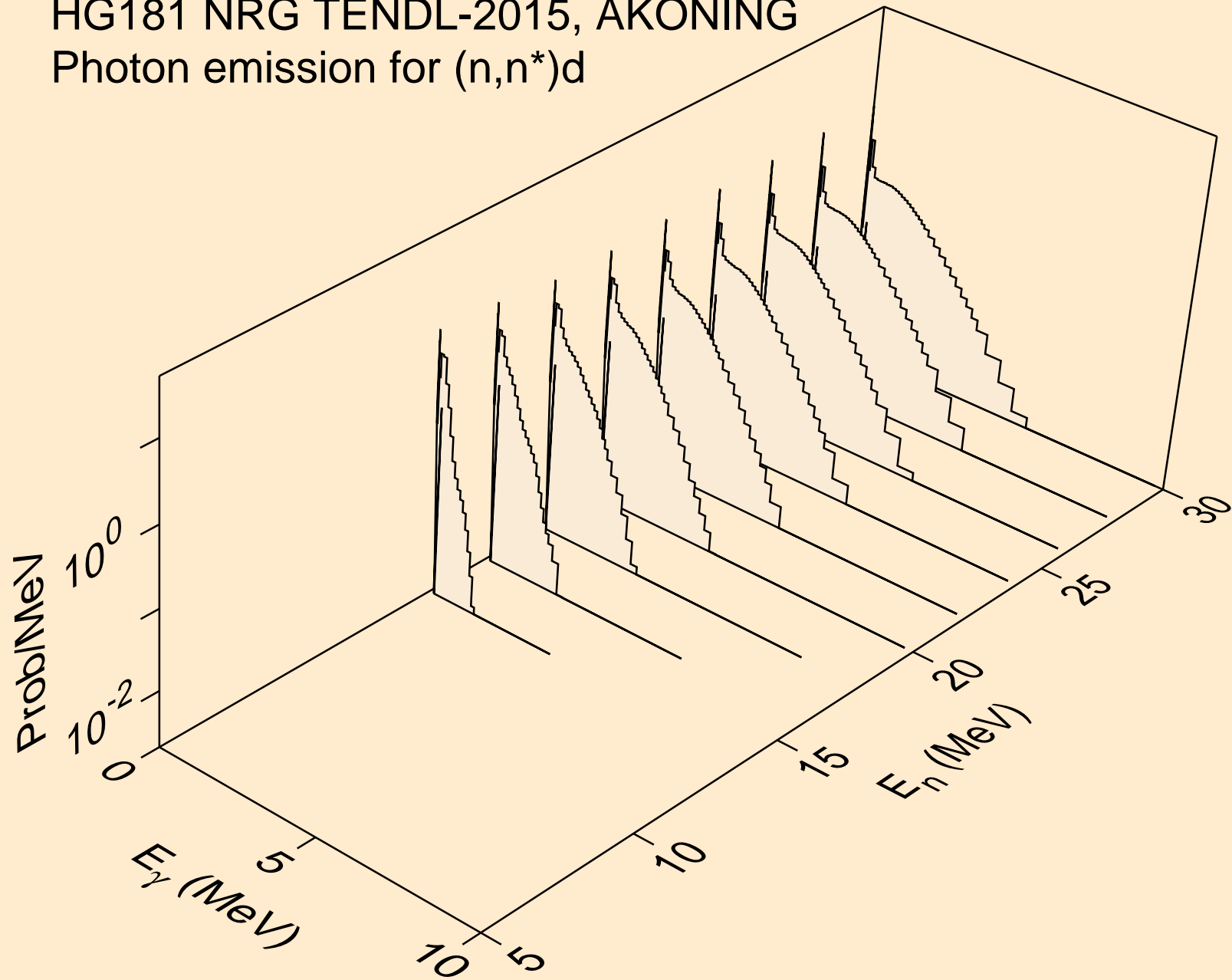
HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



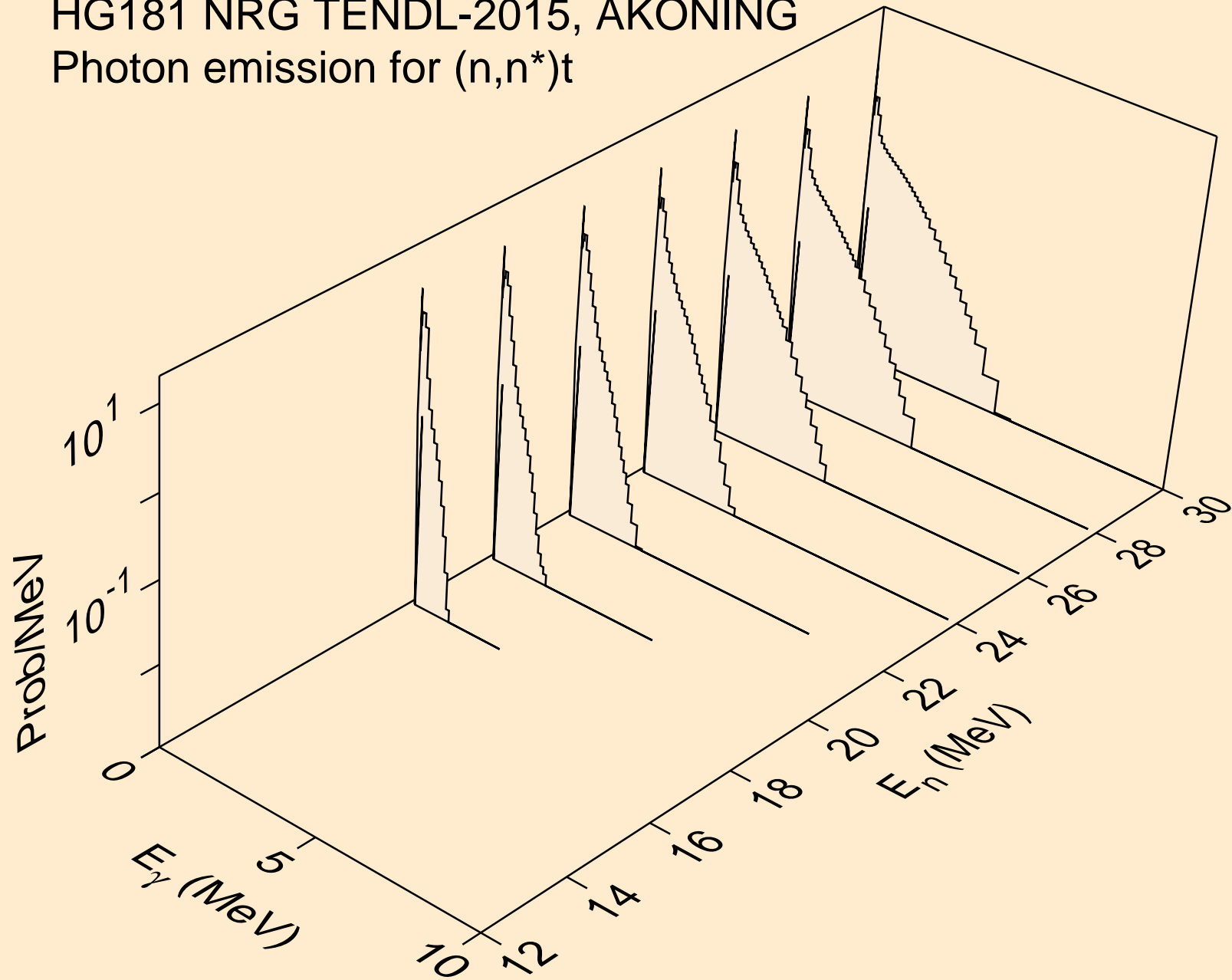
HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a



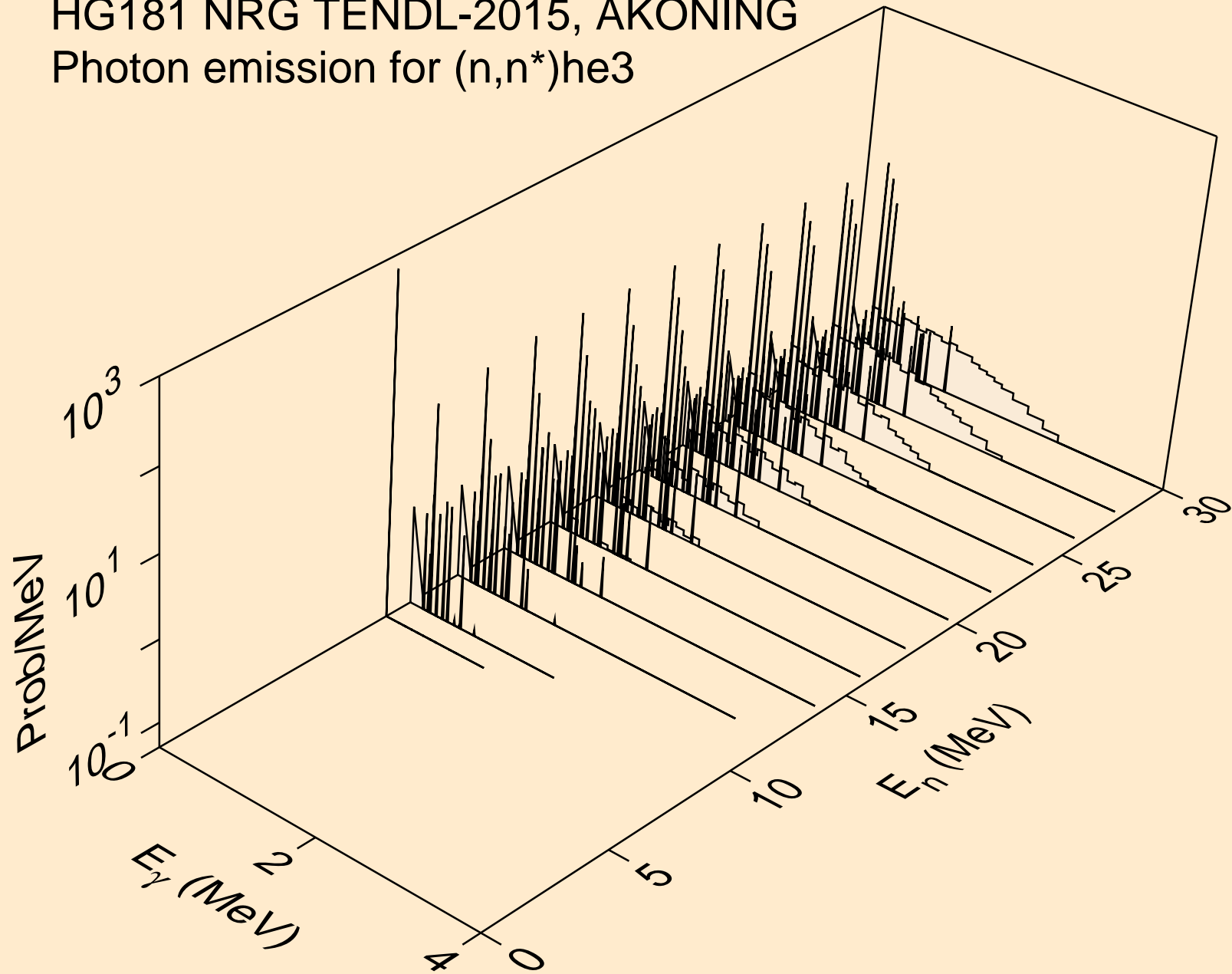
HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d



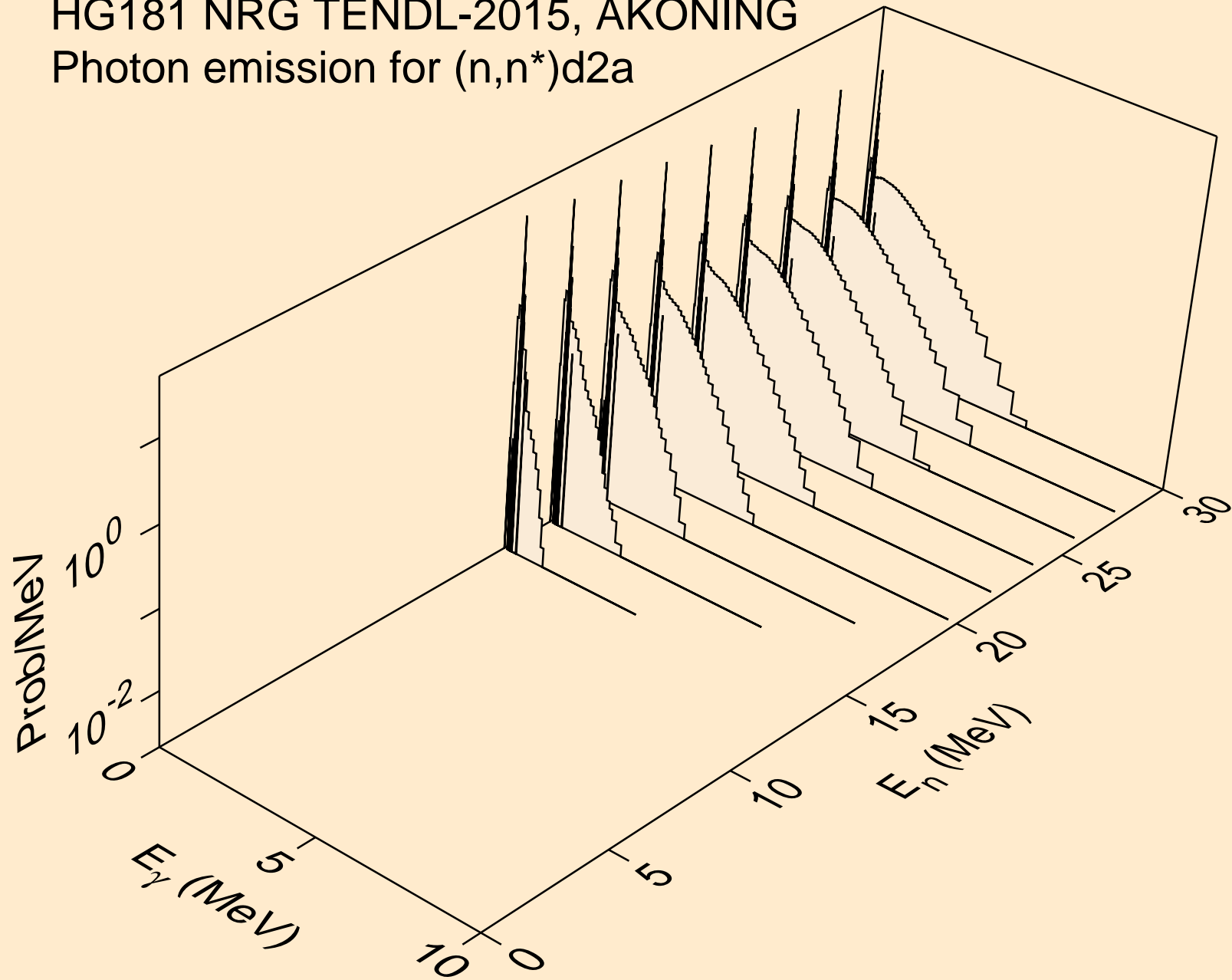
HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



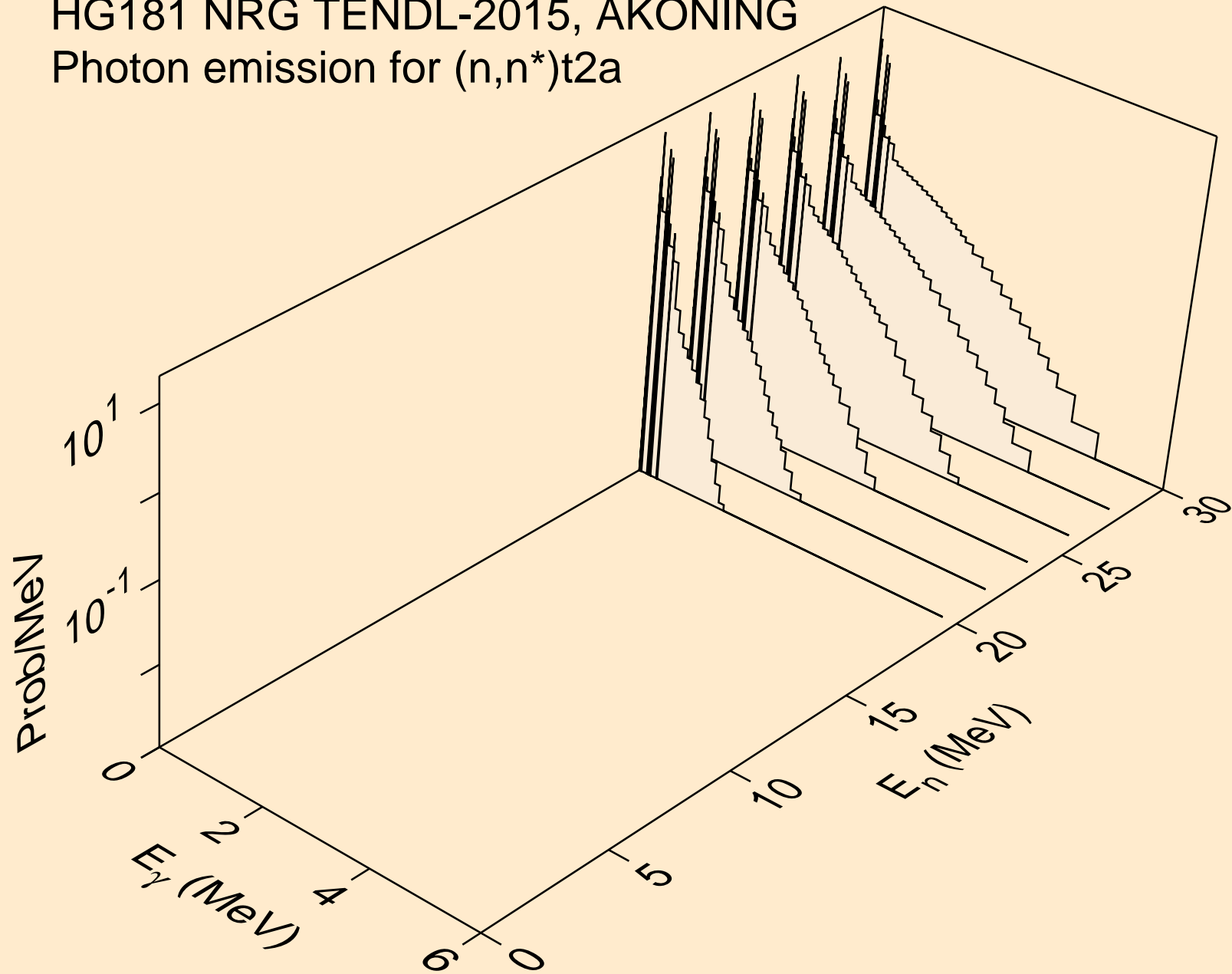
HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d2a

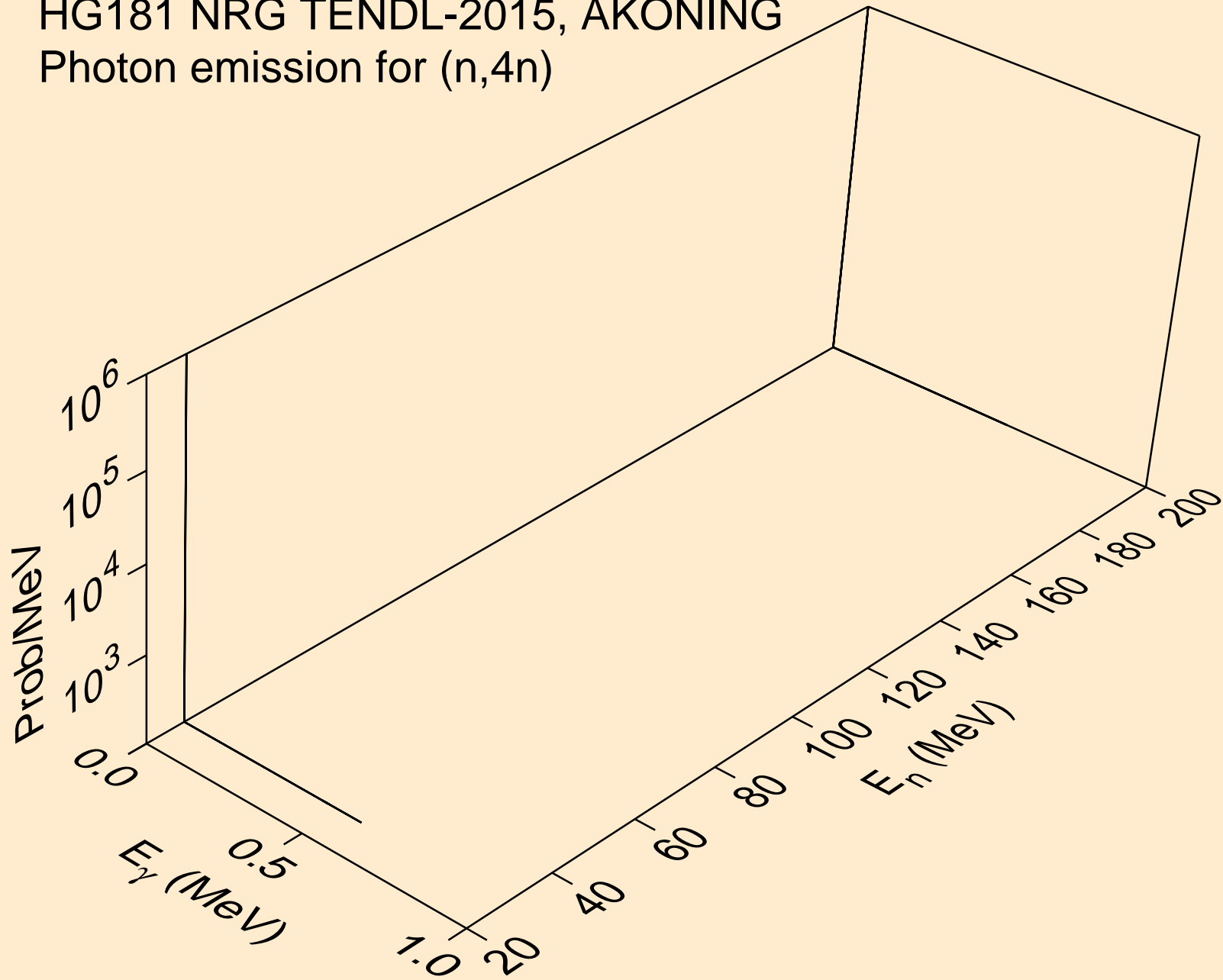


HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t2a

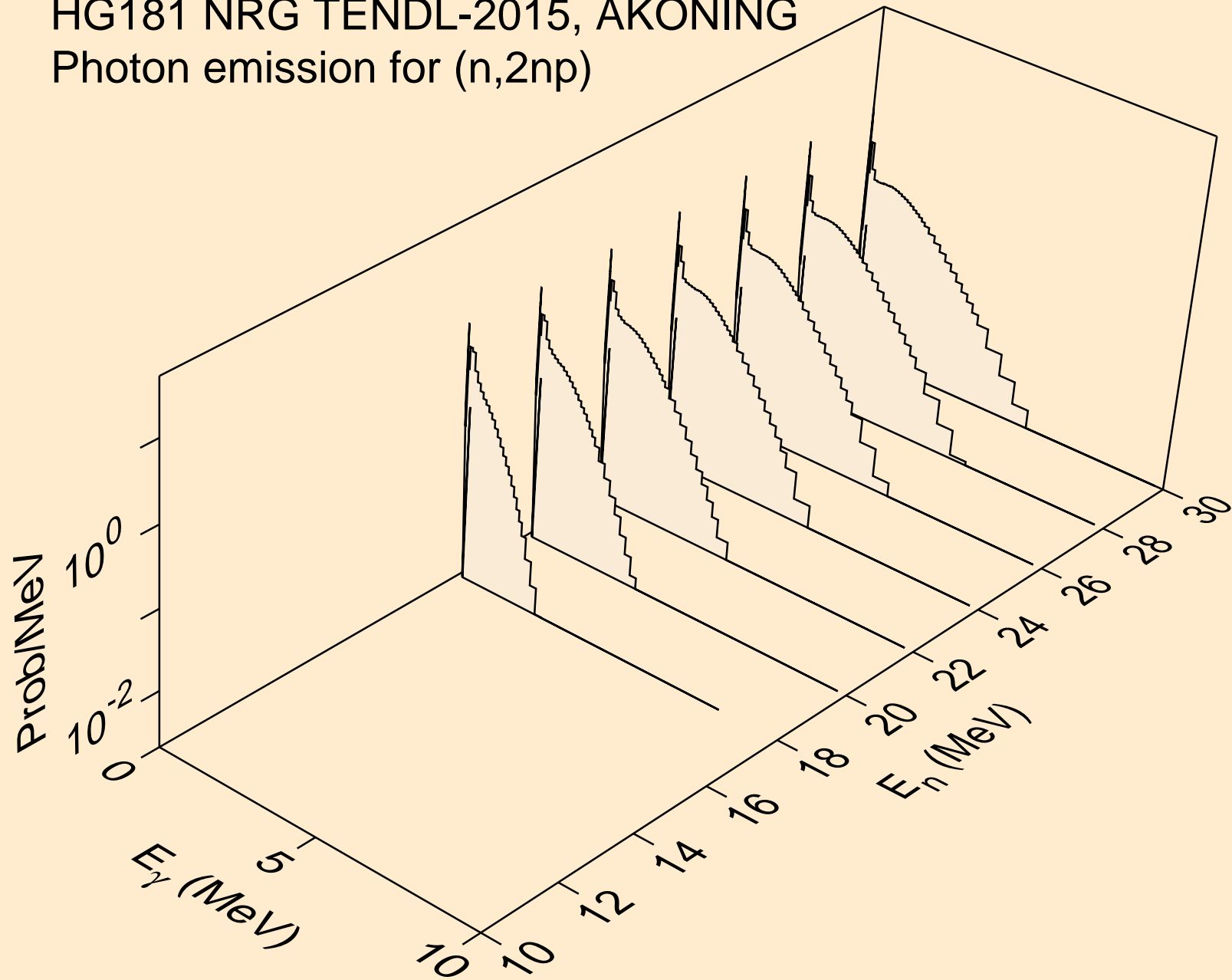




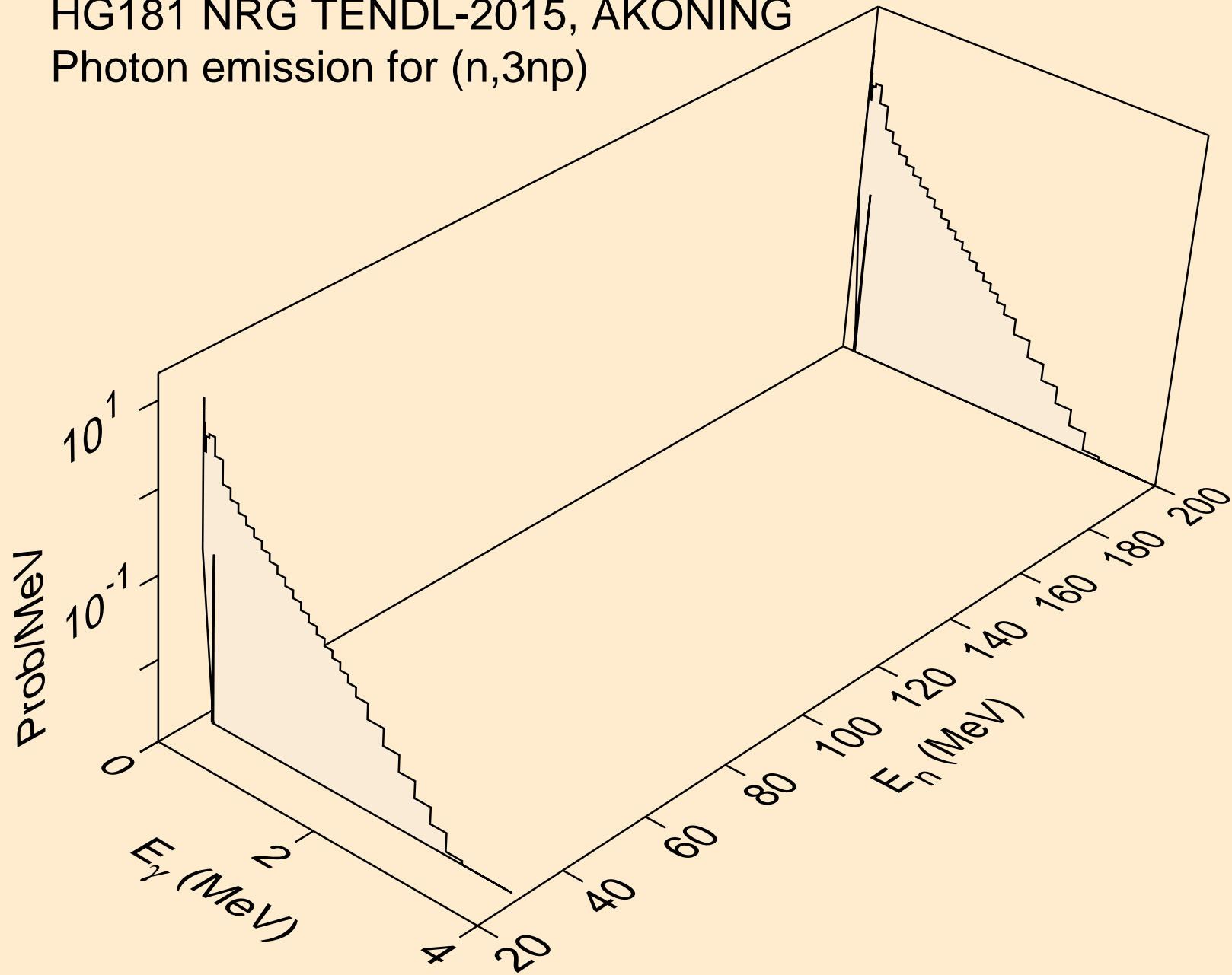
HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



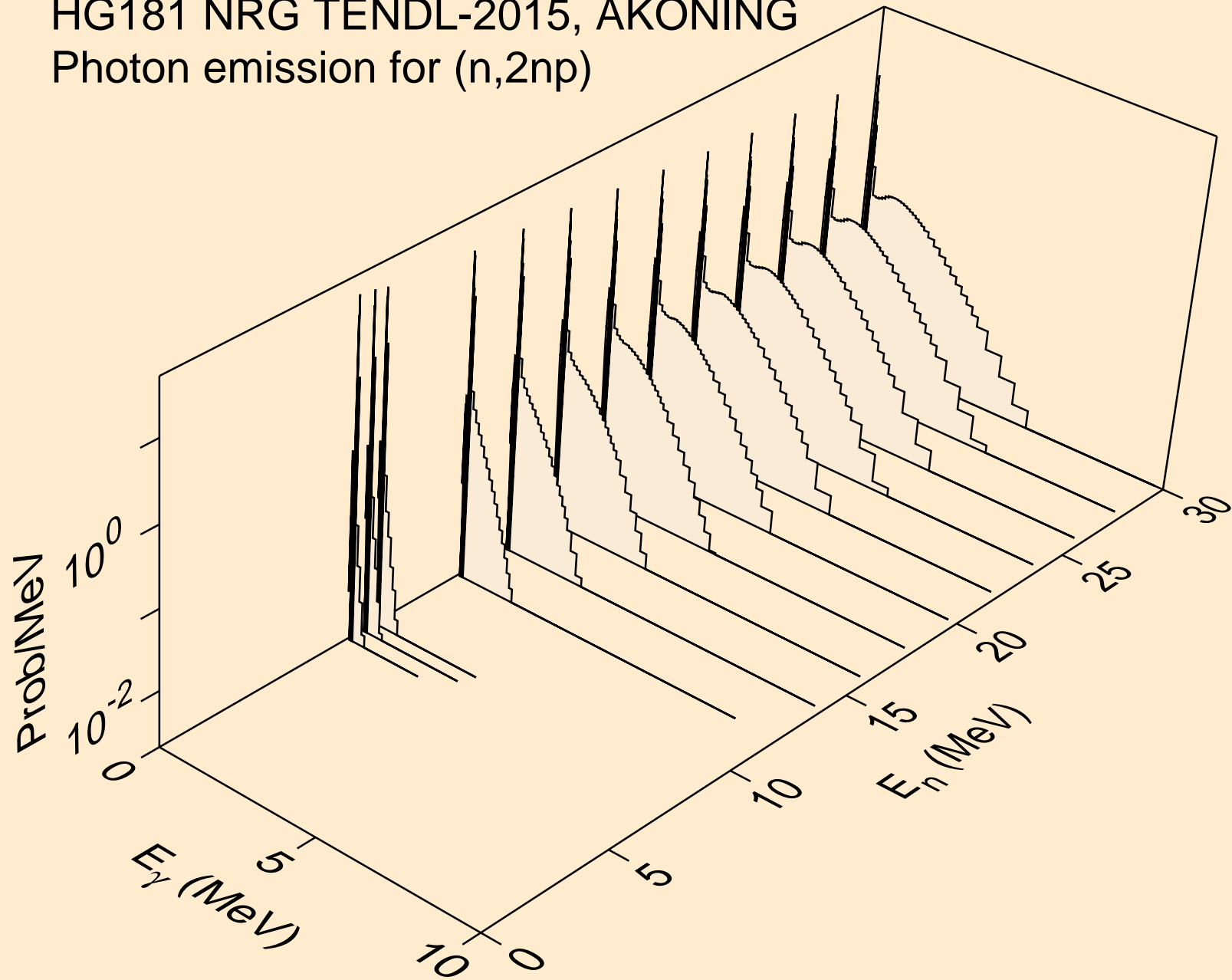
HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



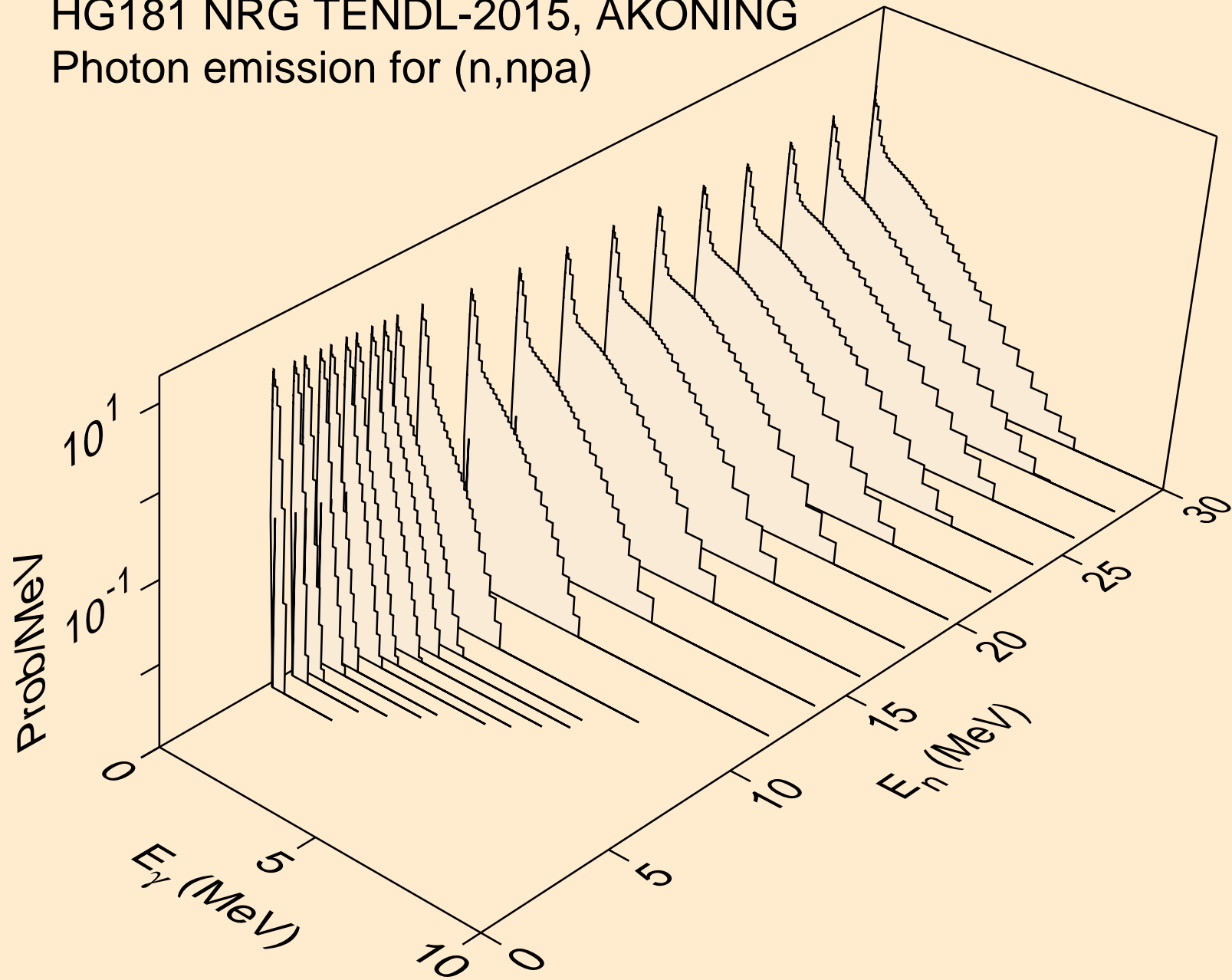
HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



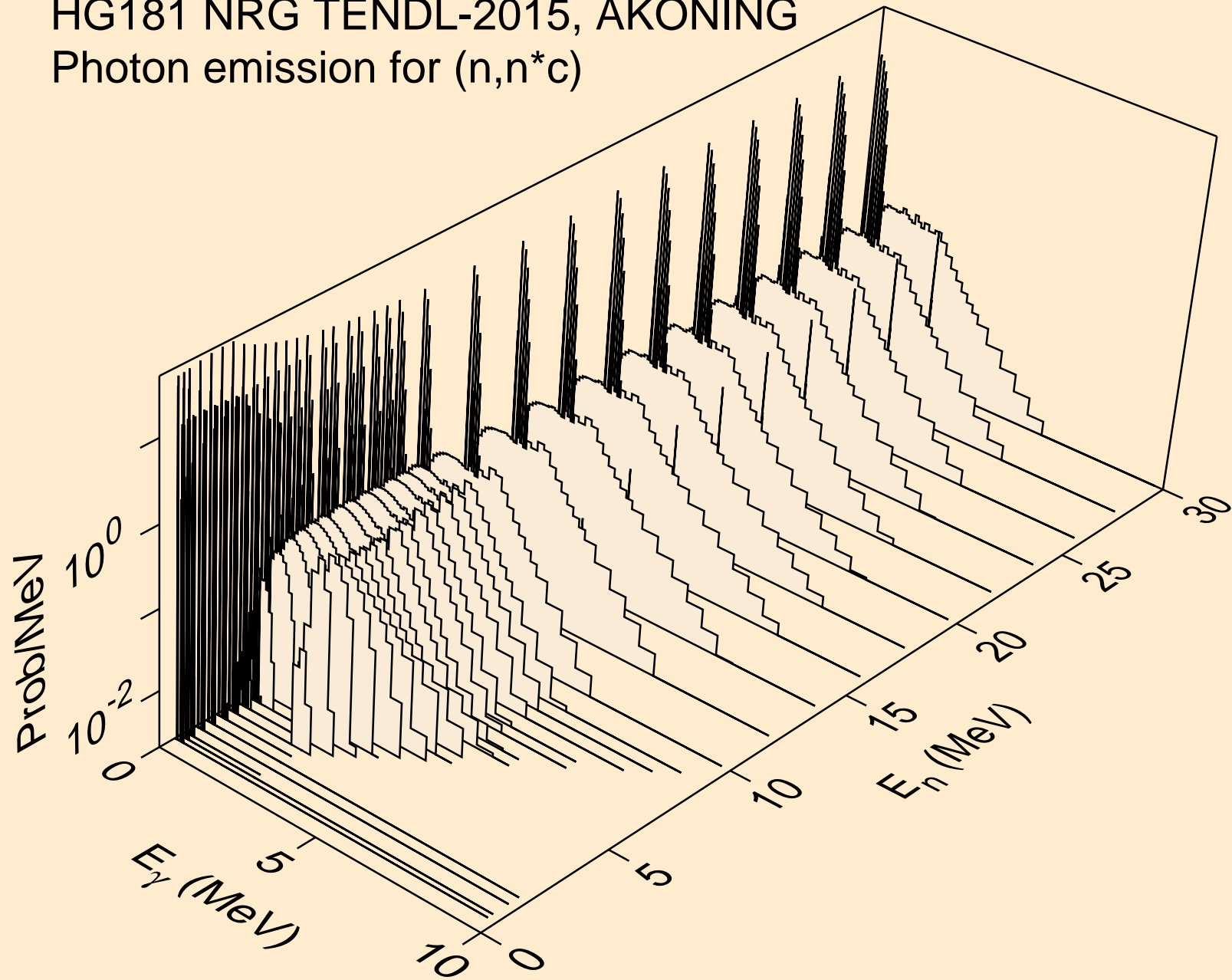
HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



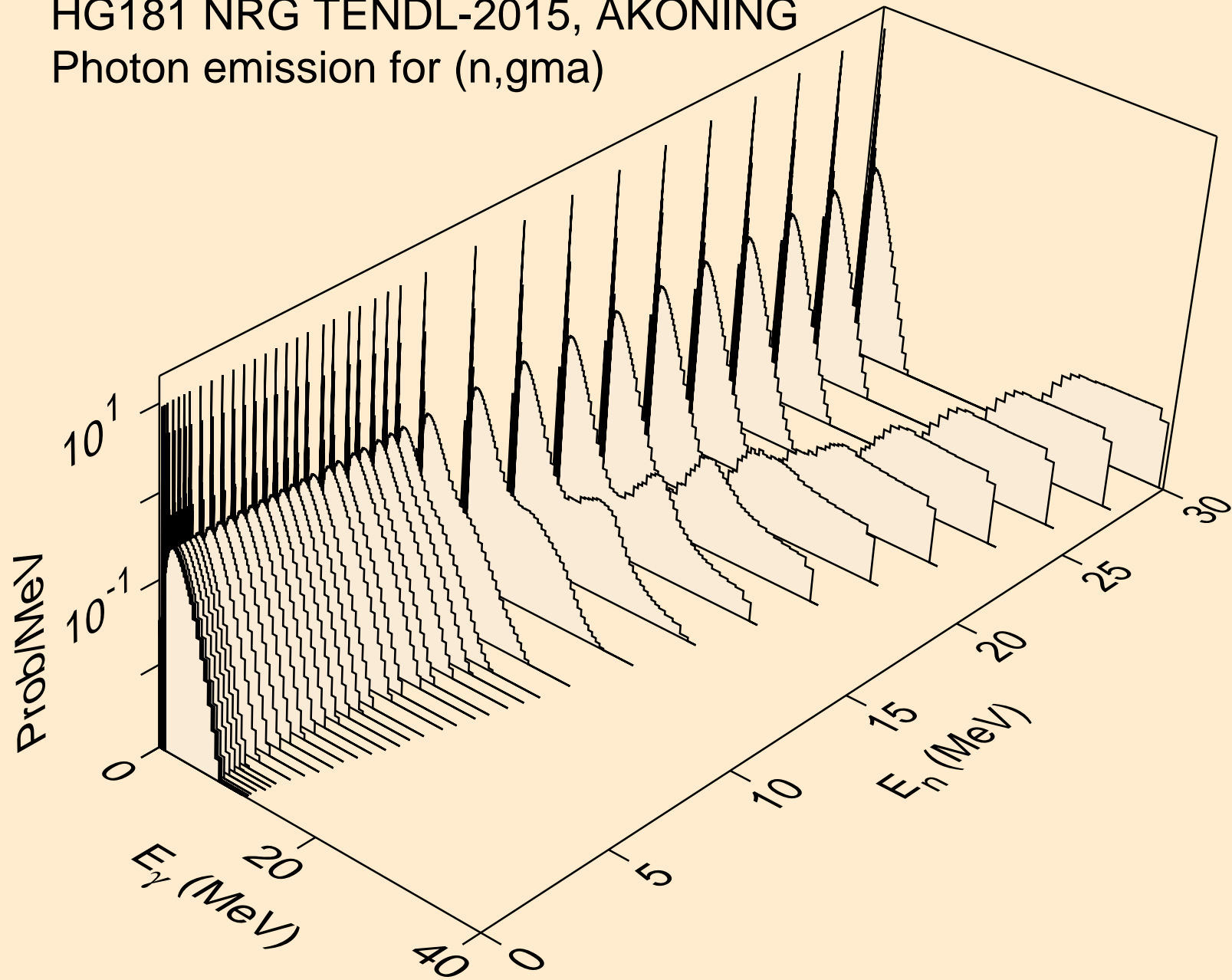
HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



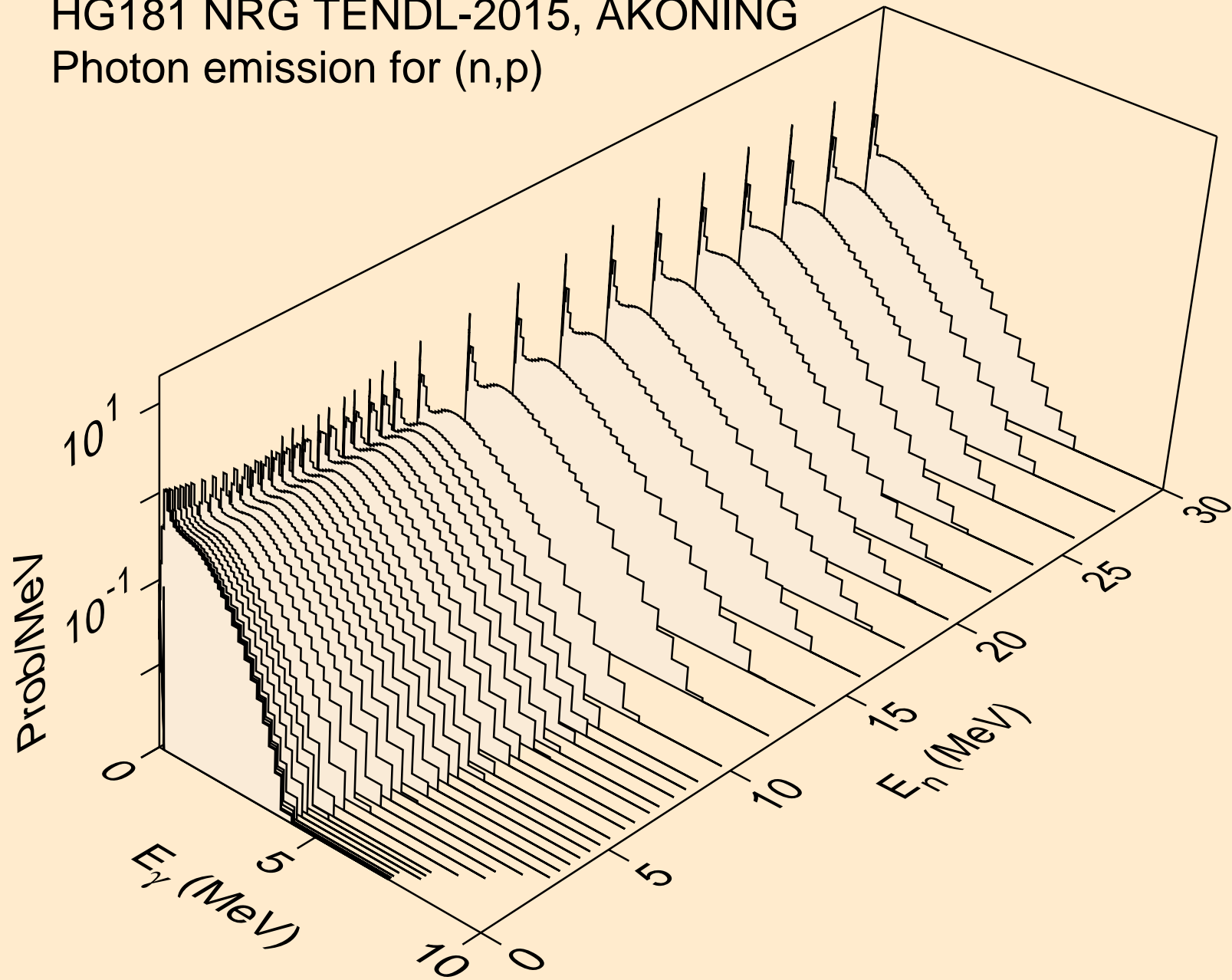
HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)

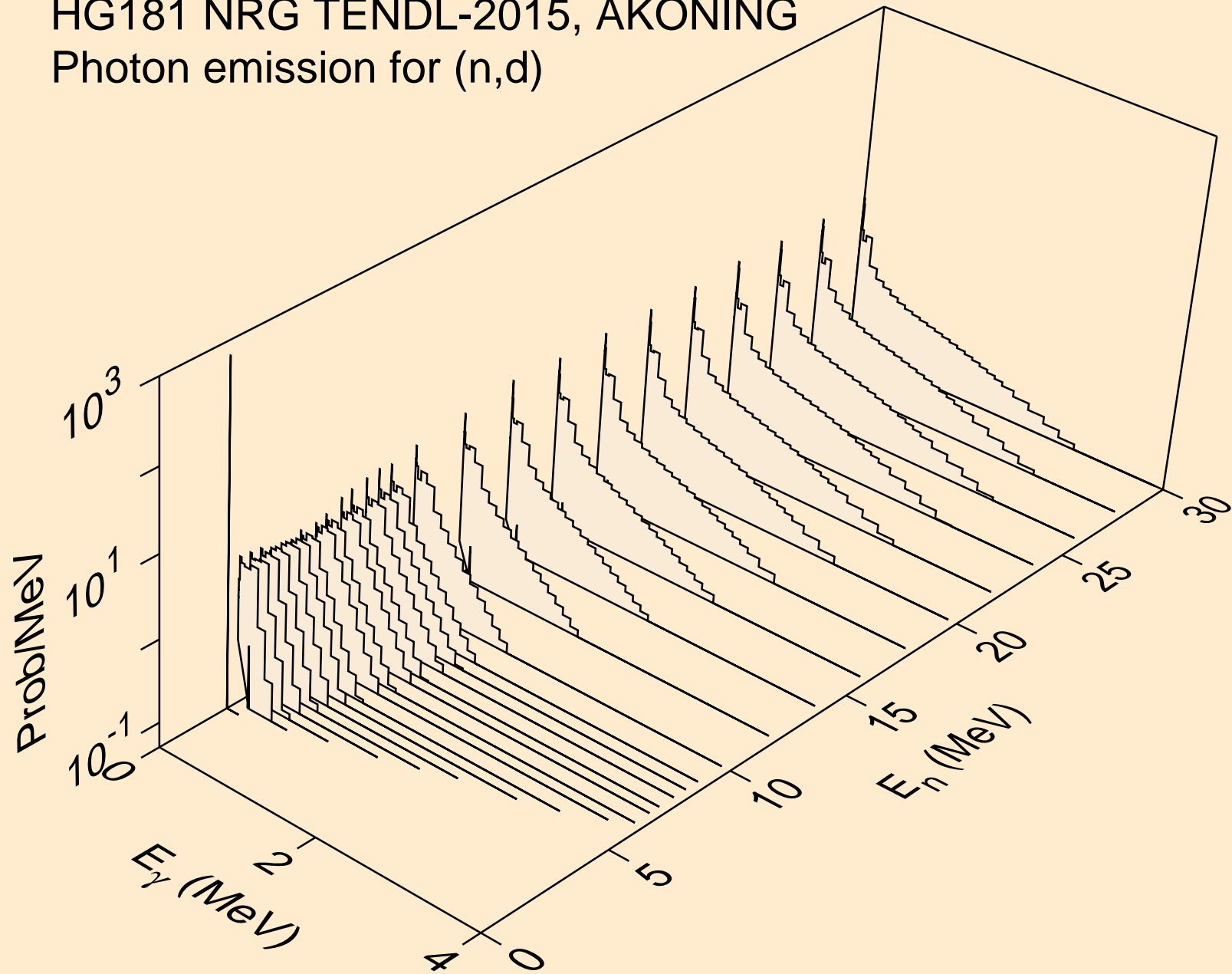


HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,p)

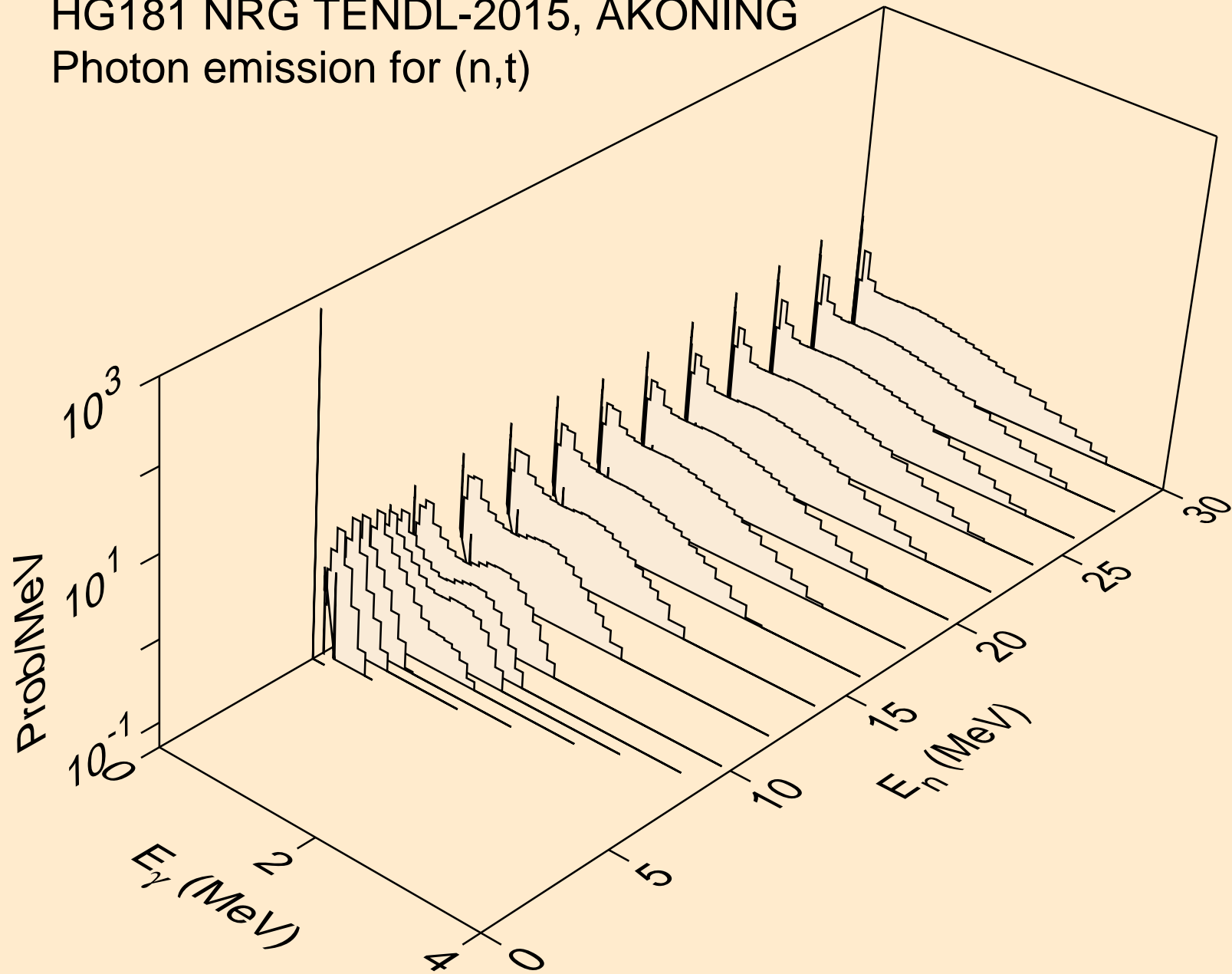




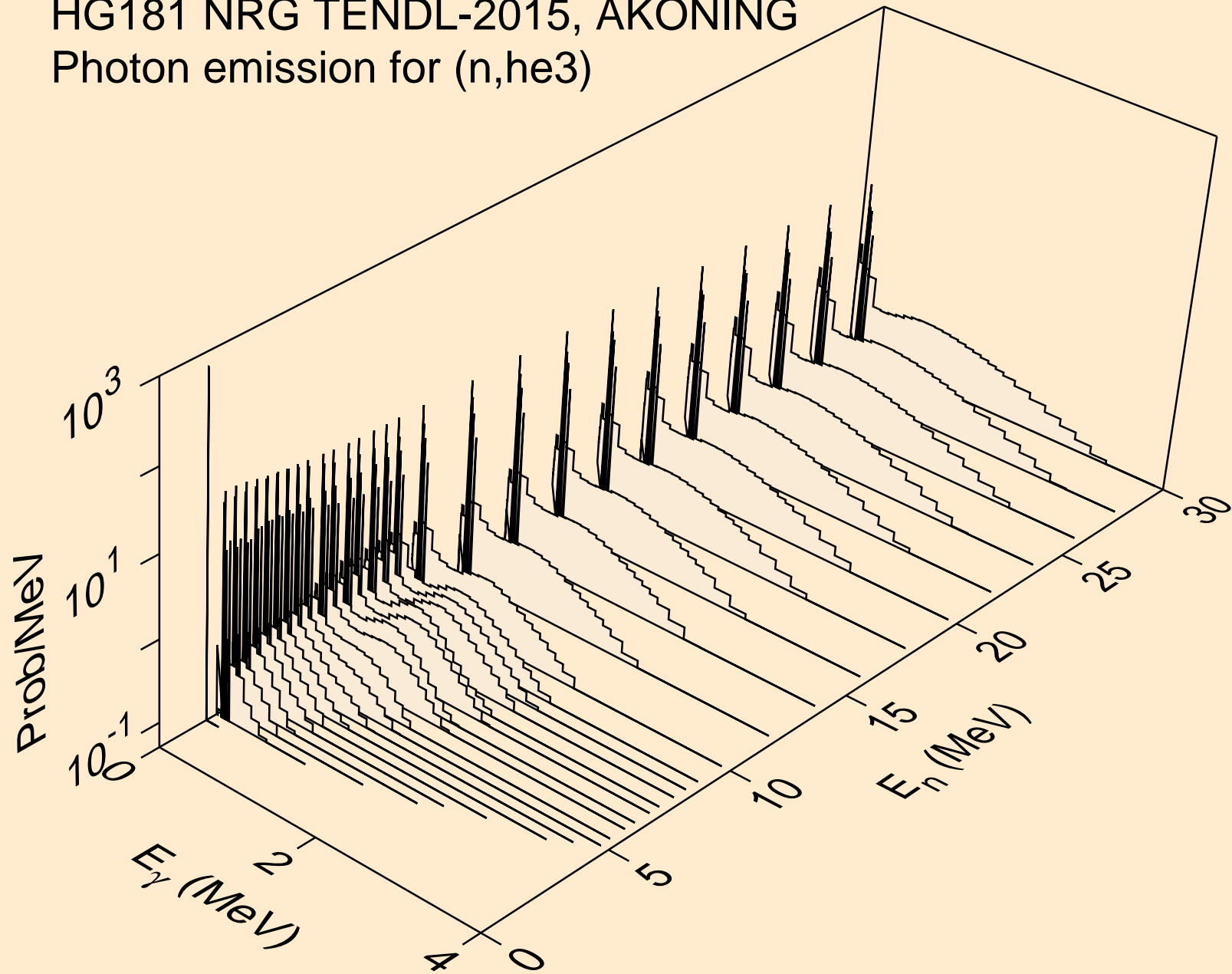
HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



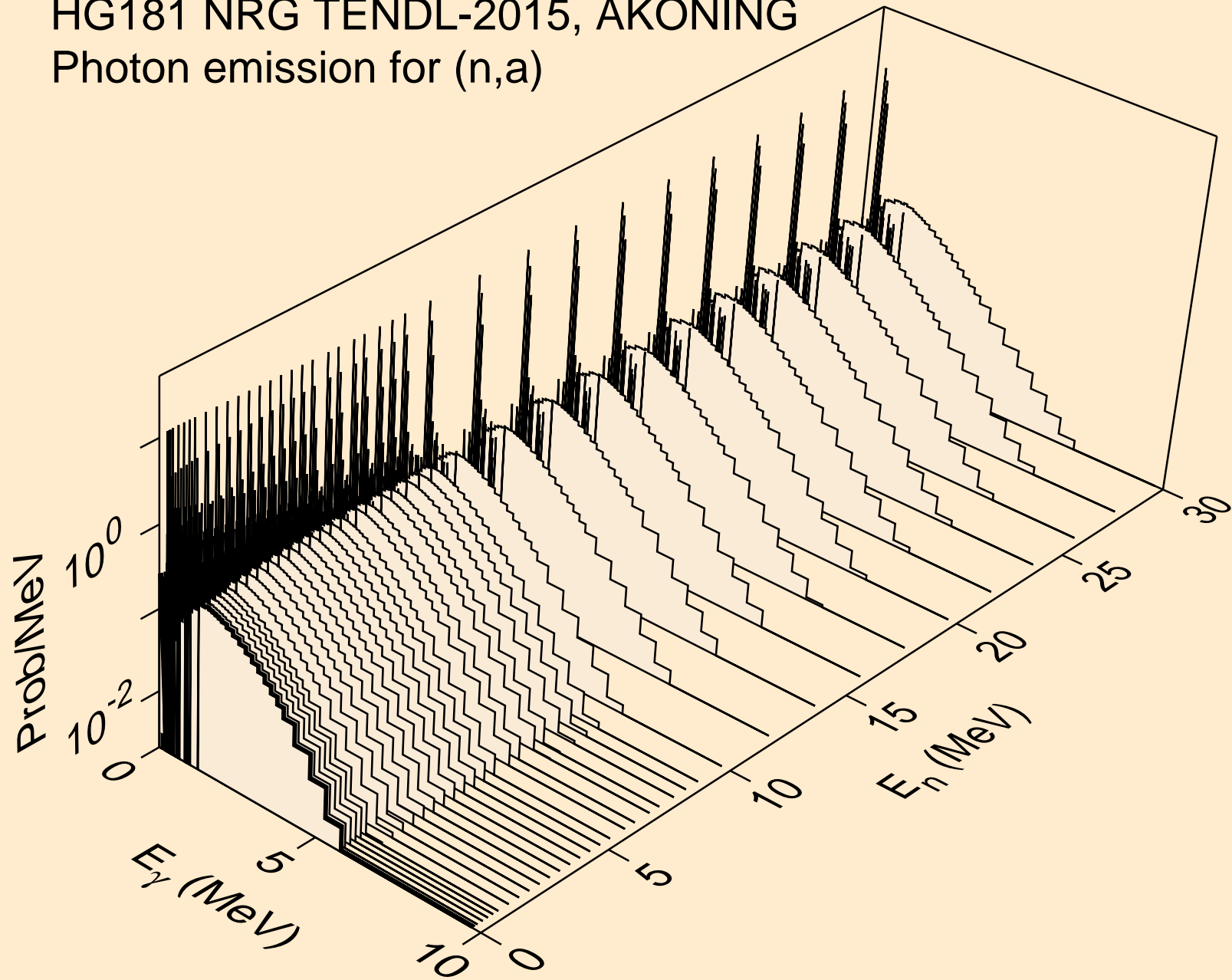
HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



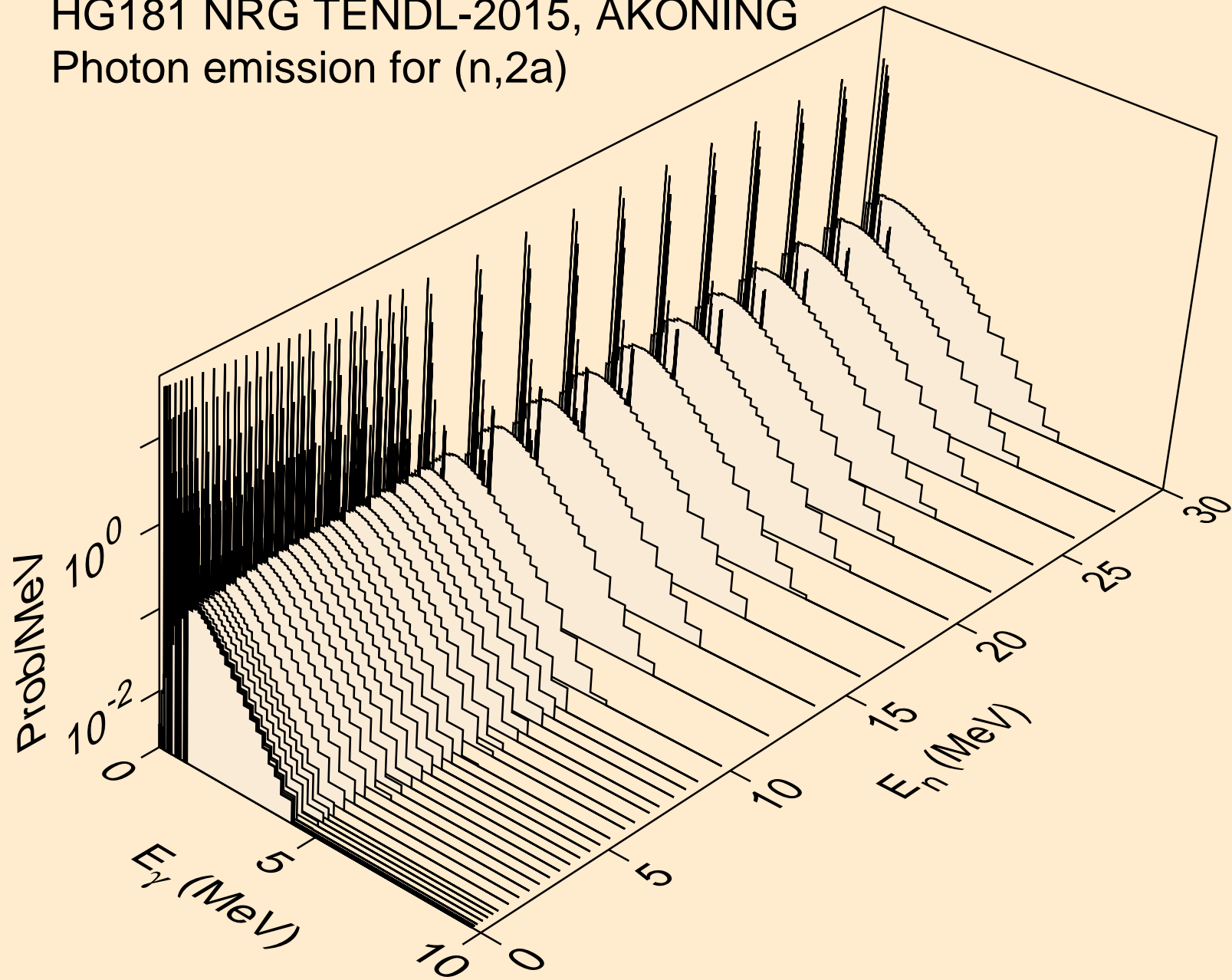
HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



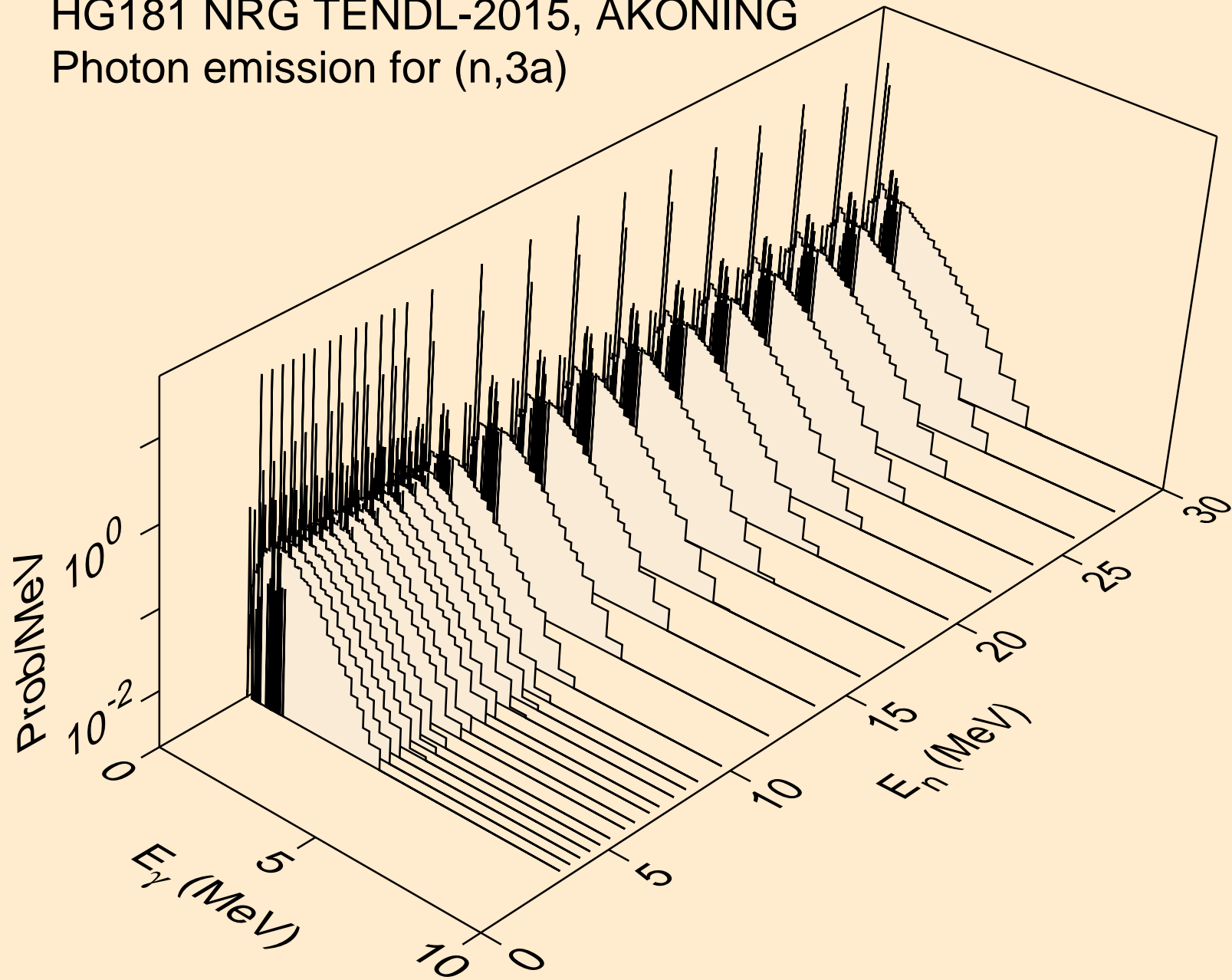
HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



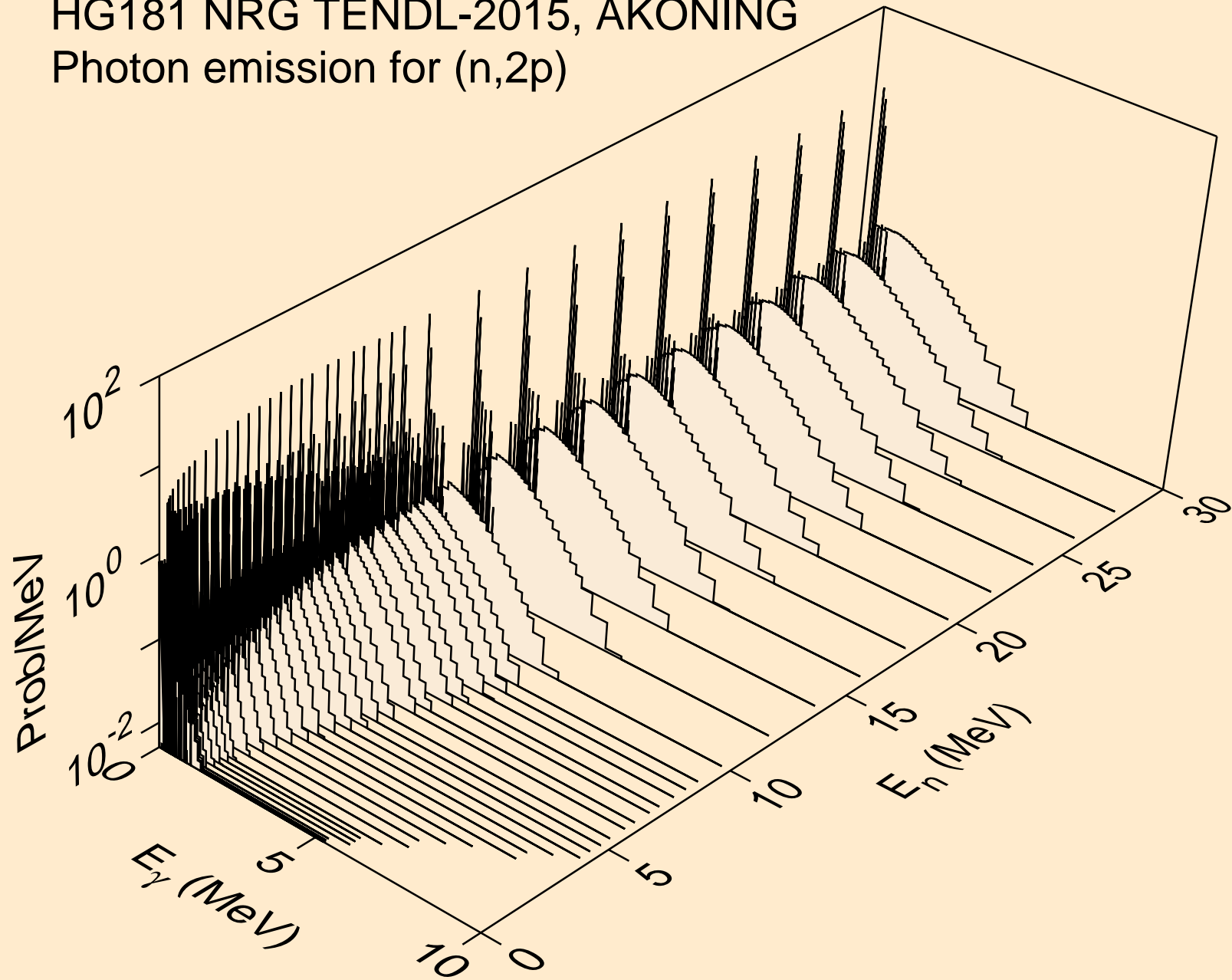
HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



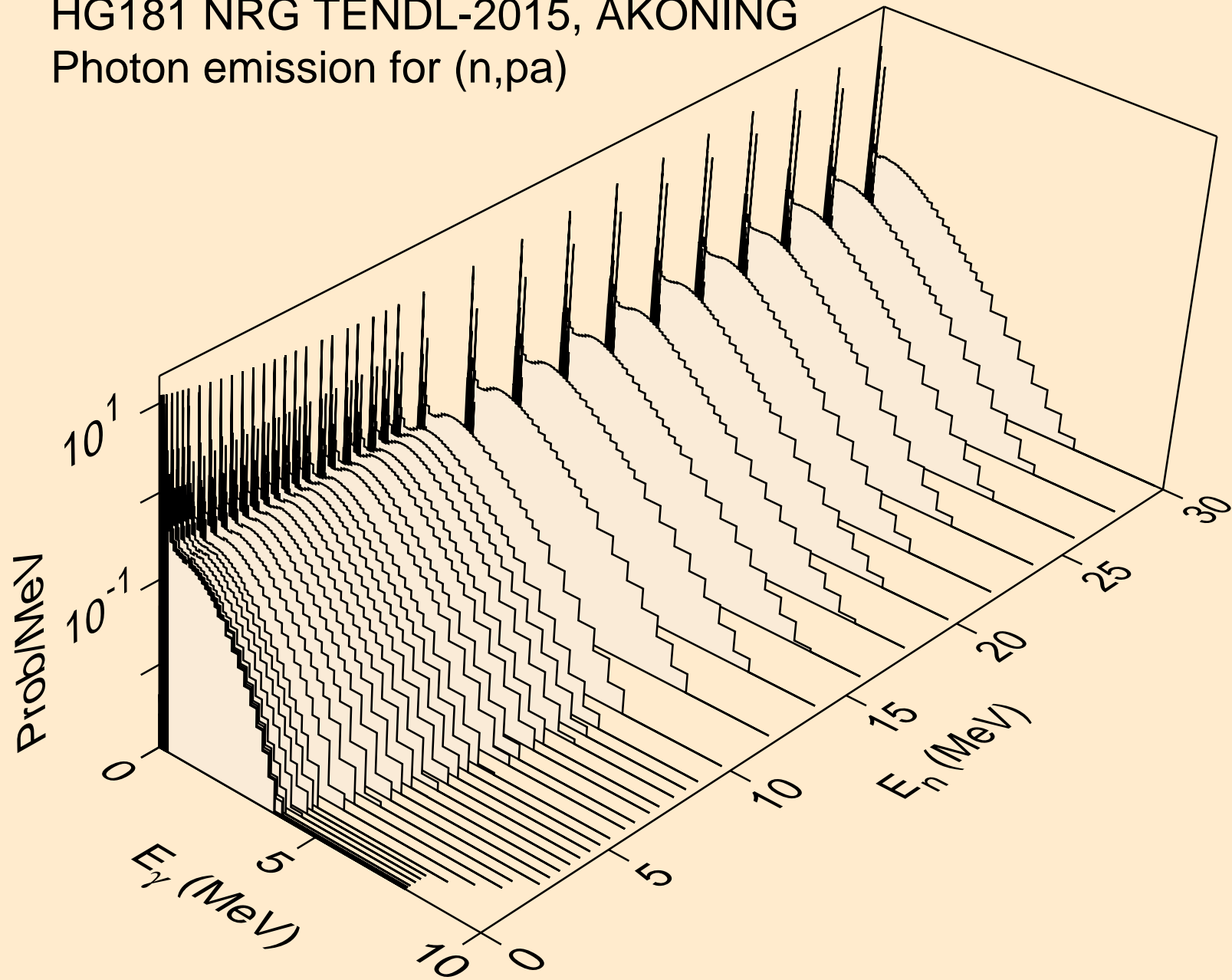
HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,3a)



HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)

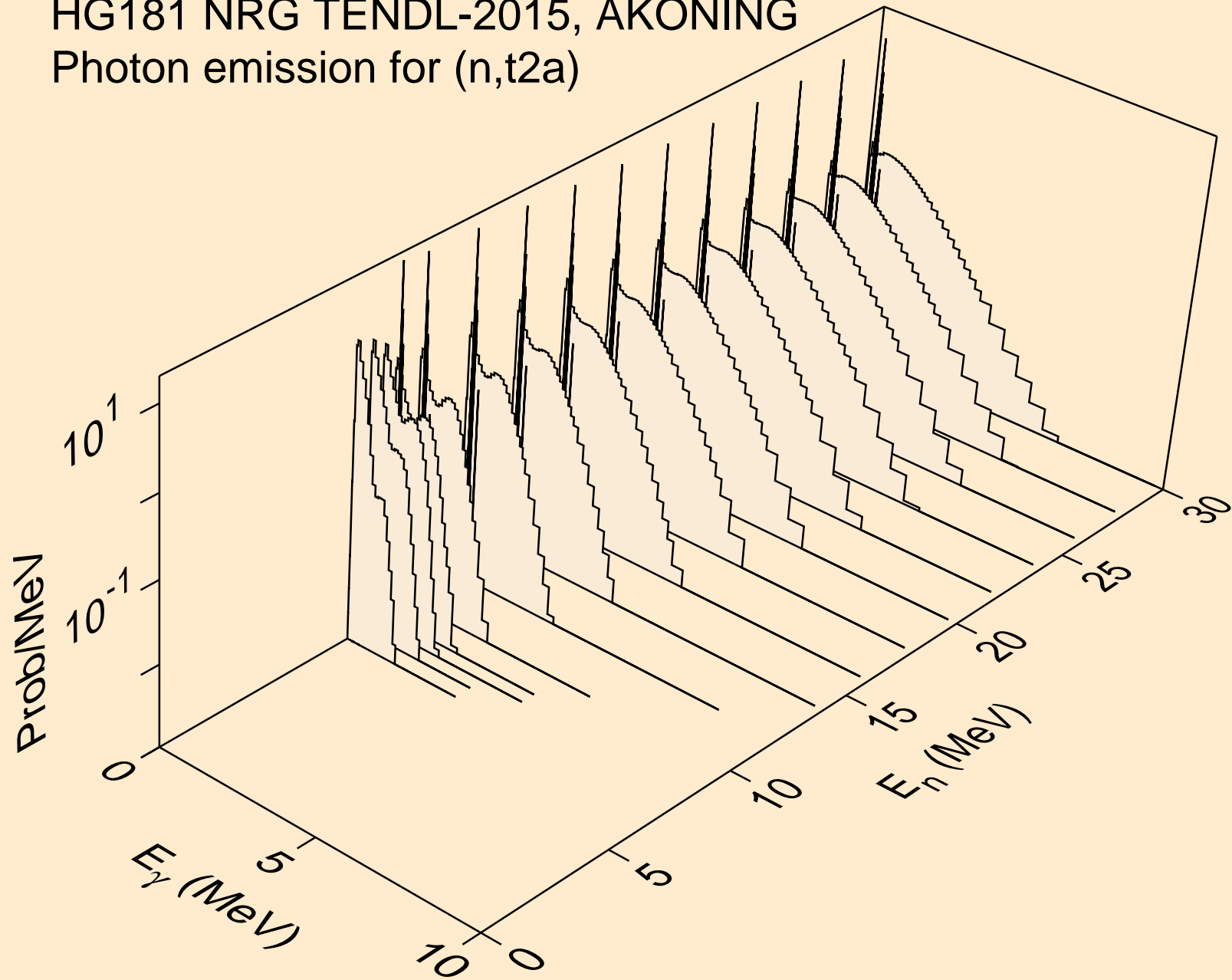


HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,p $\alpha$ )

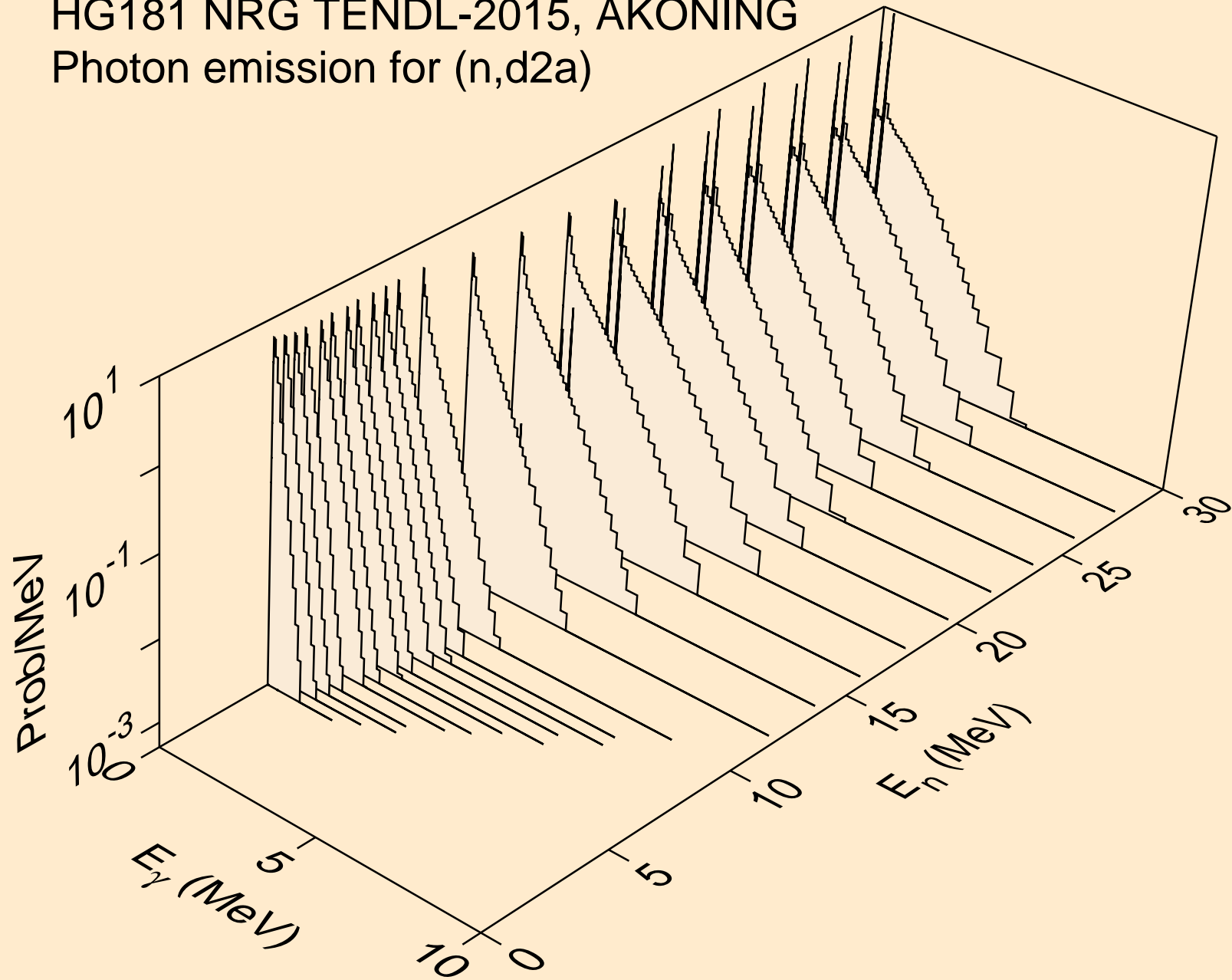




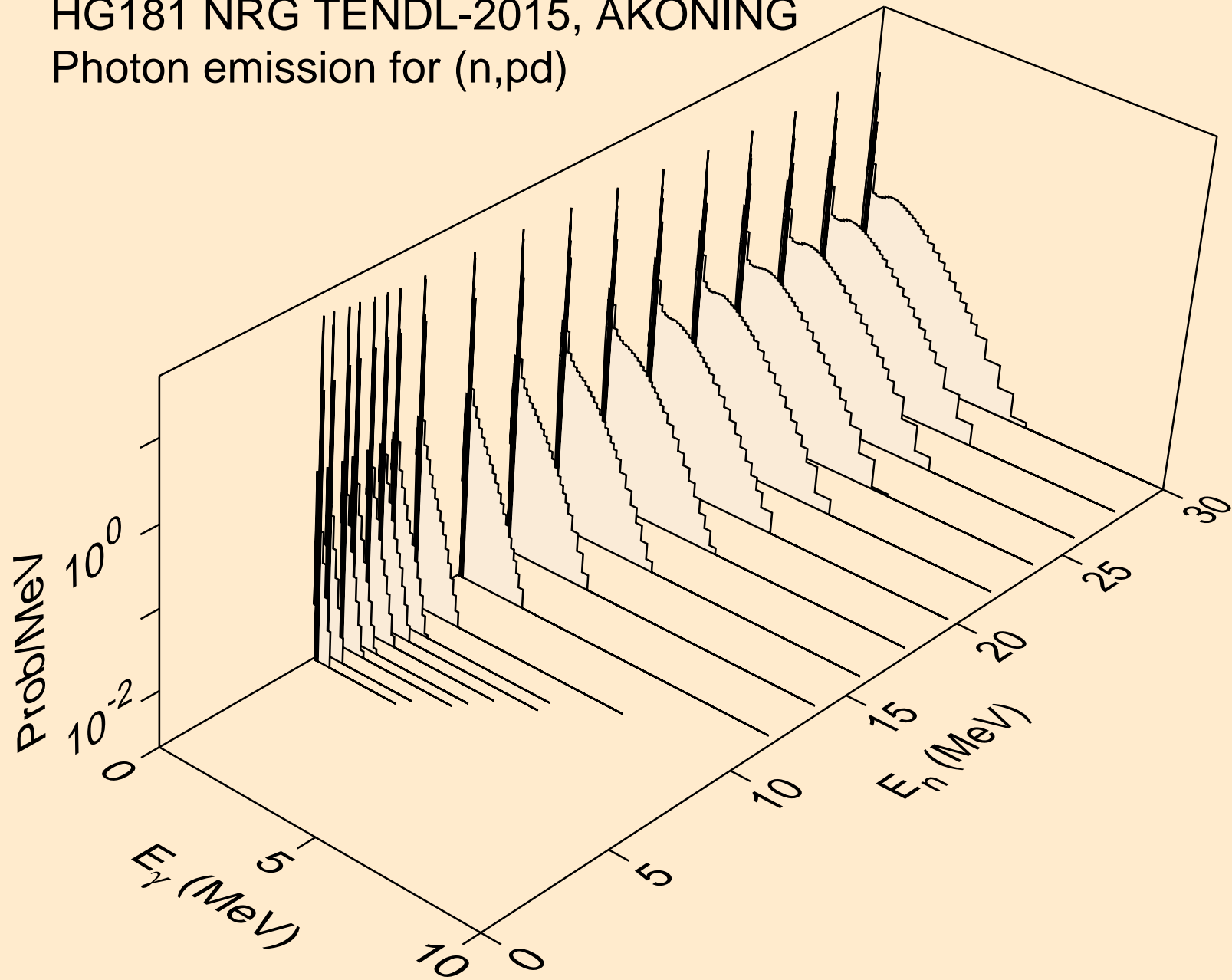
HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,t2a)



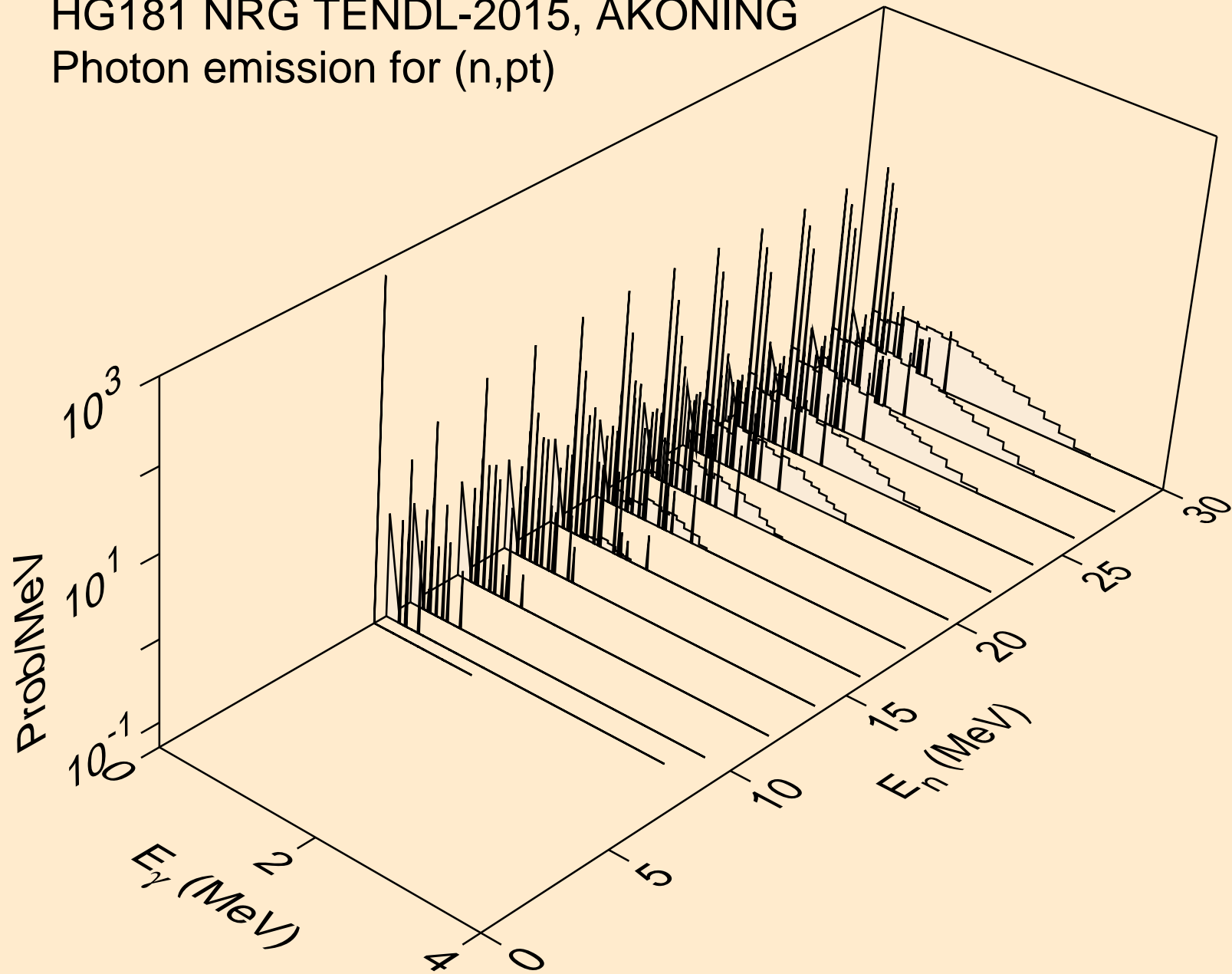
HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,d2a)



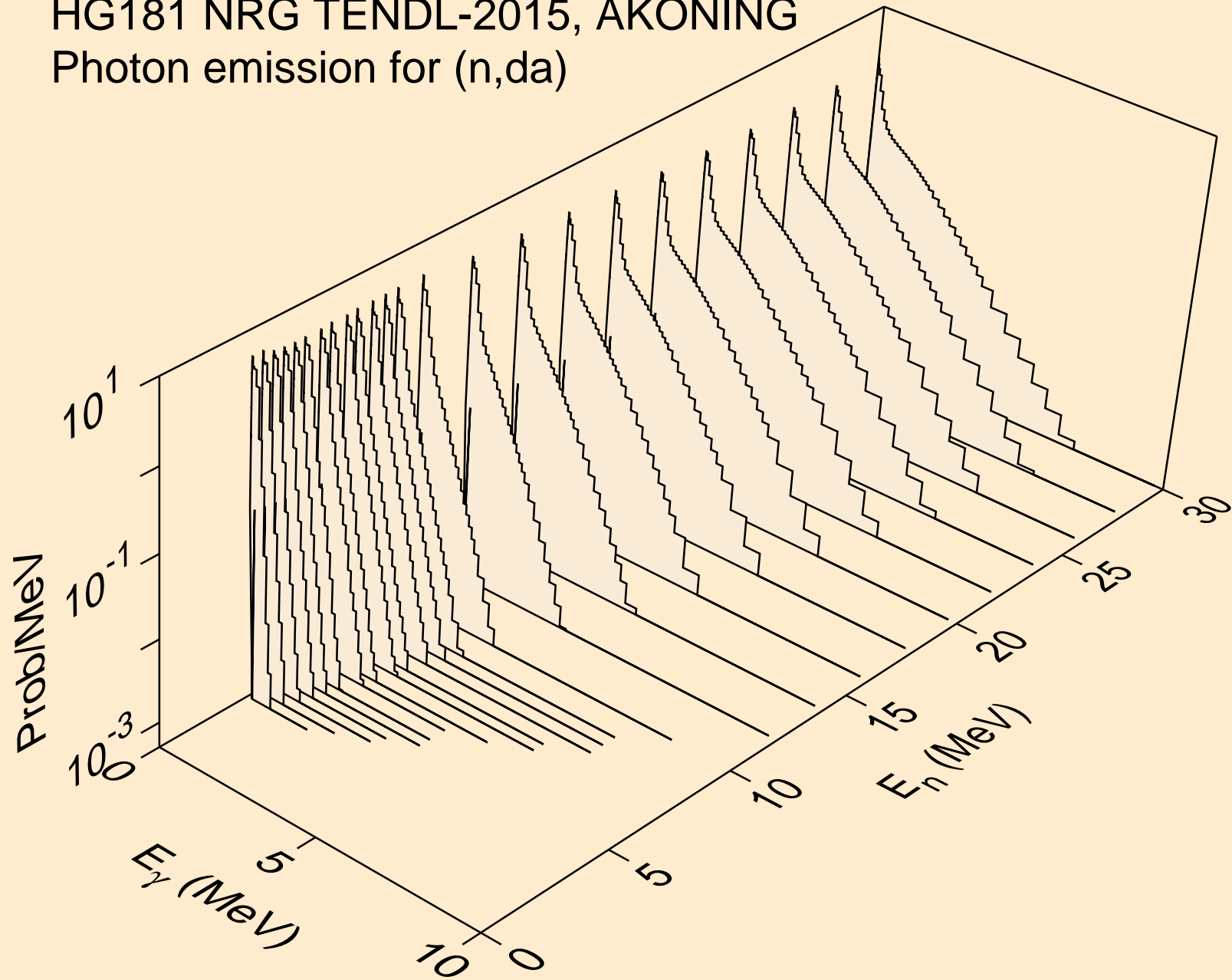
HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



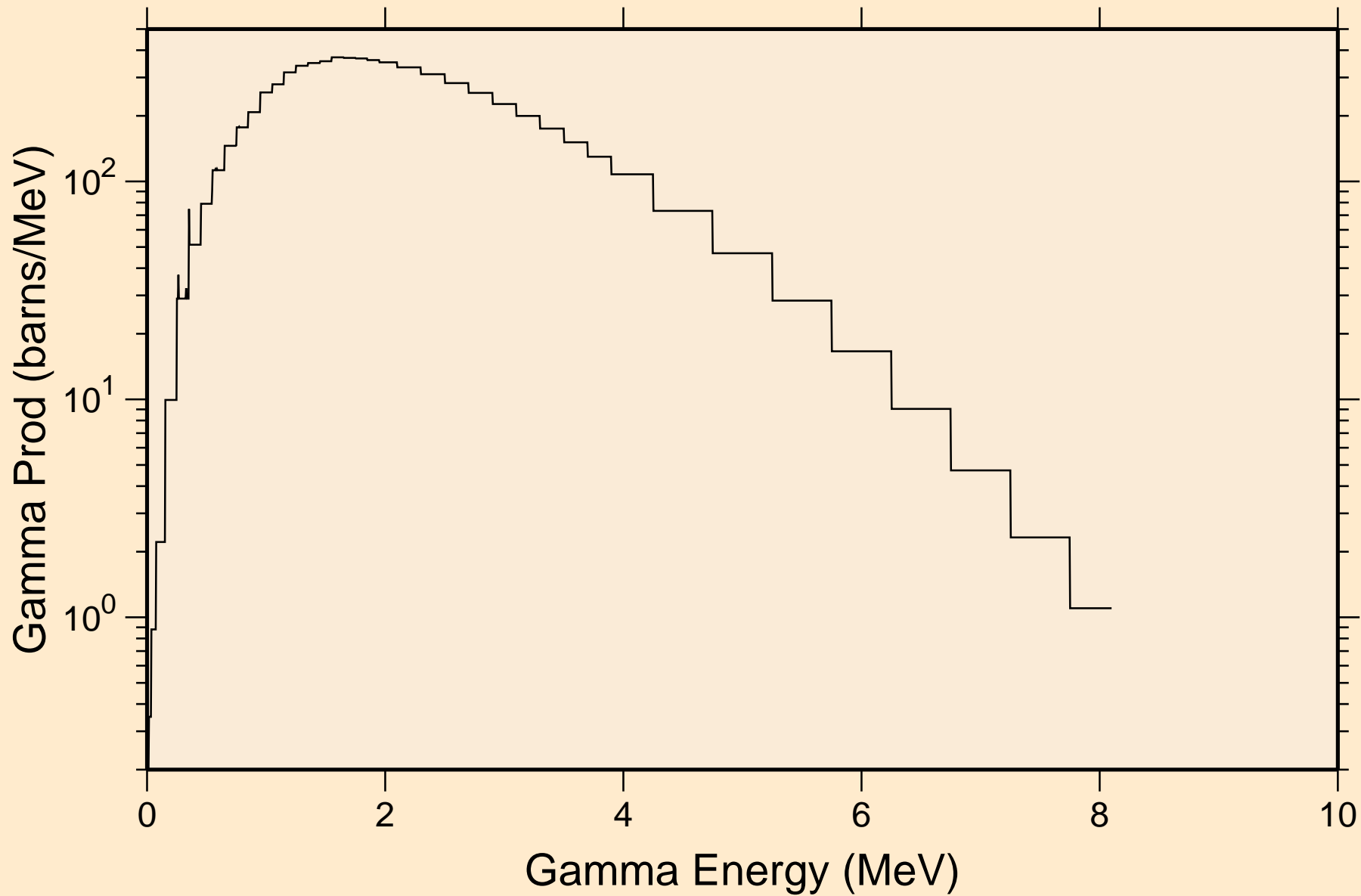
HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



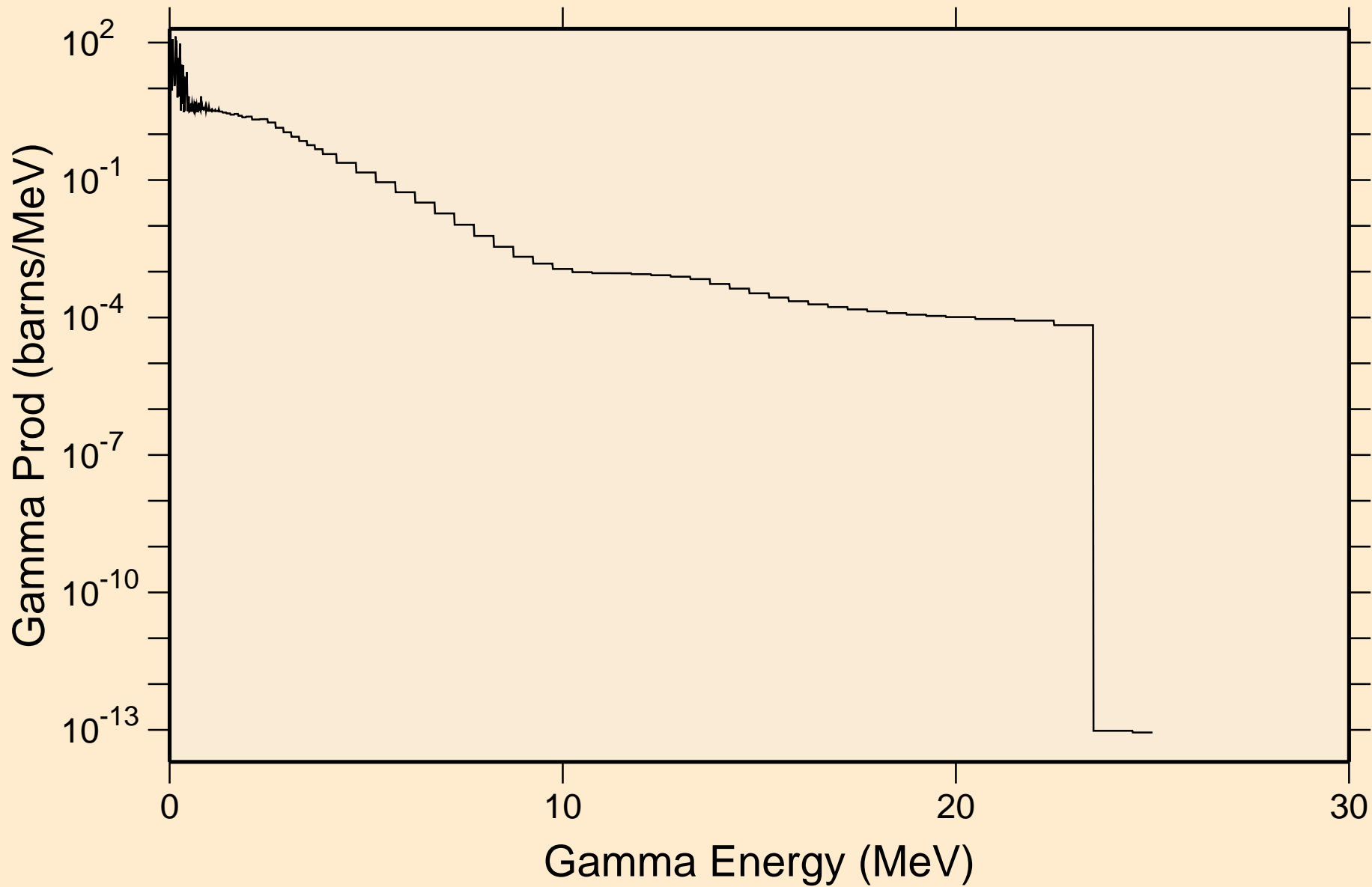
HG181 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



HG181 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

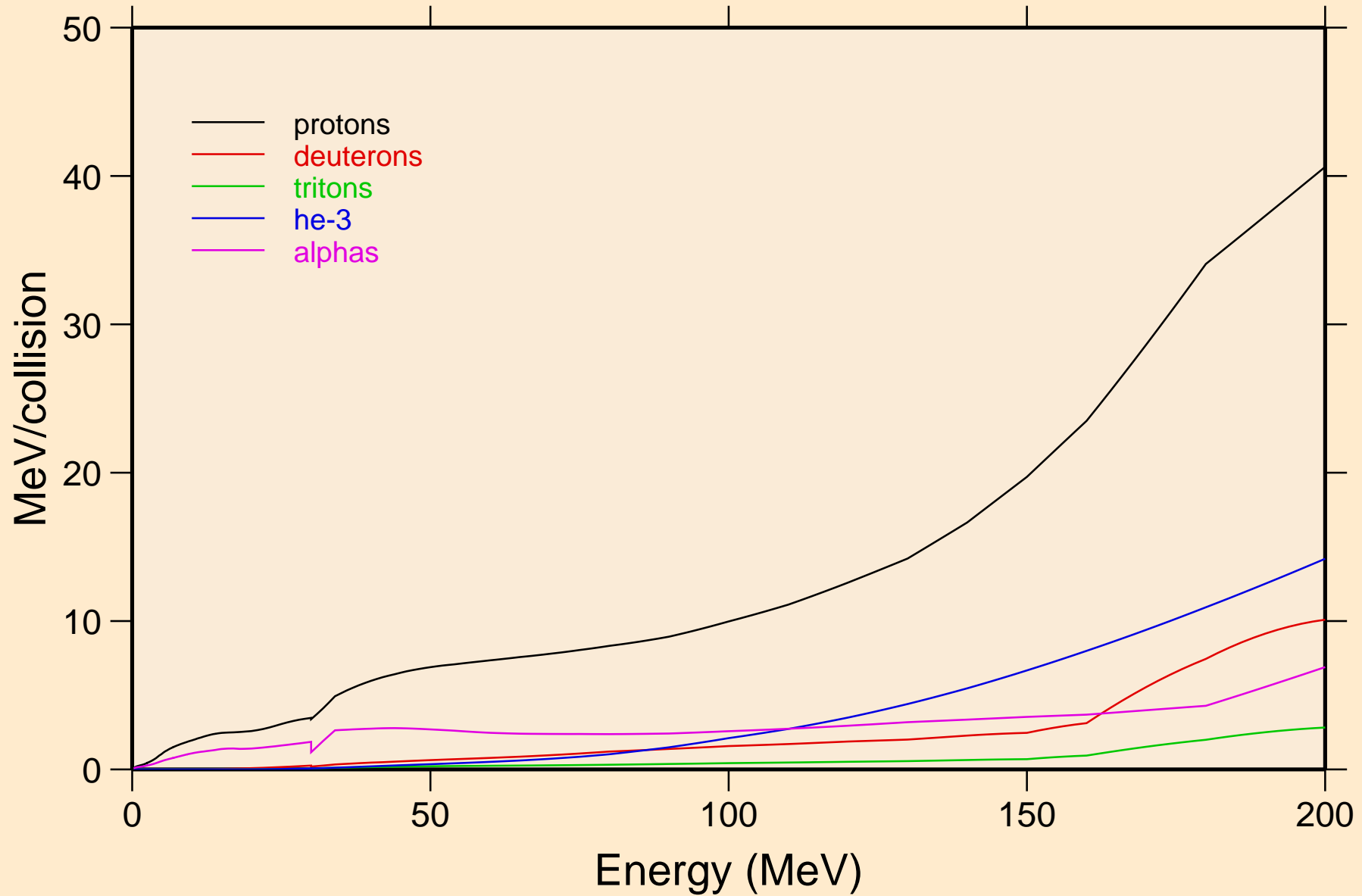


HG181 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



# HG181 NRG TENDL-2015, AKONING

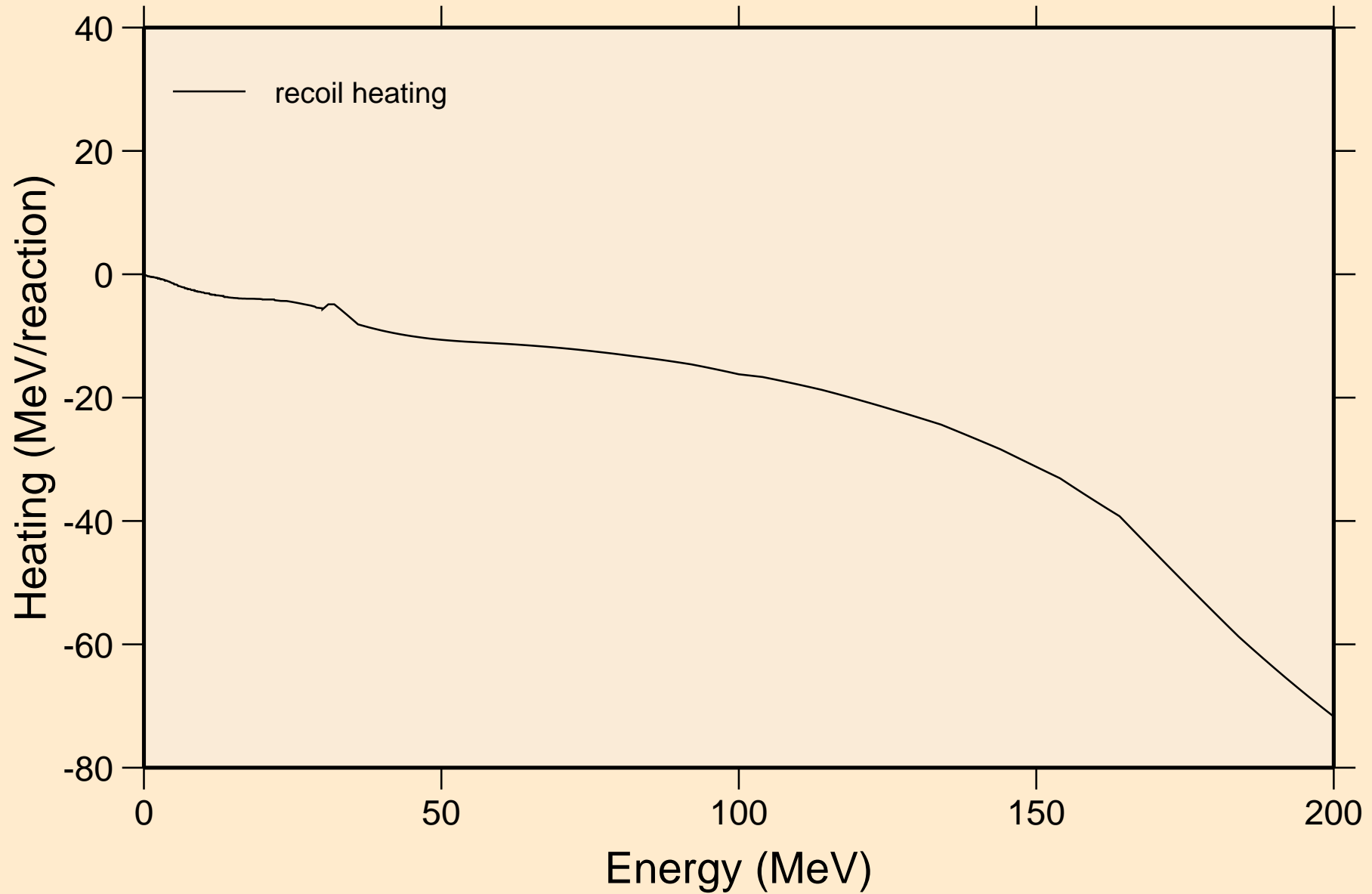
## Particle heating contributions





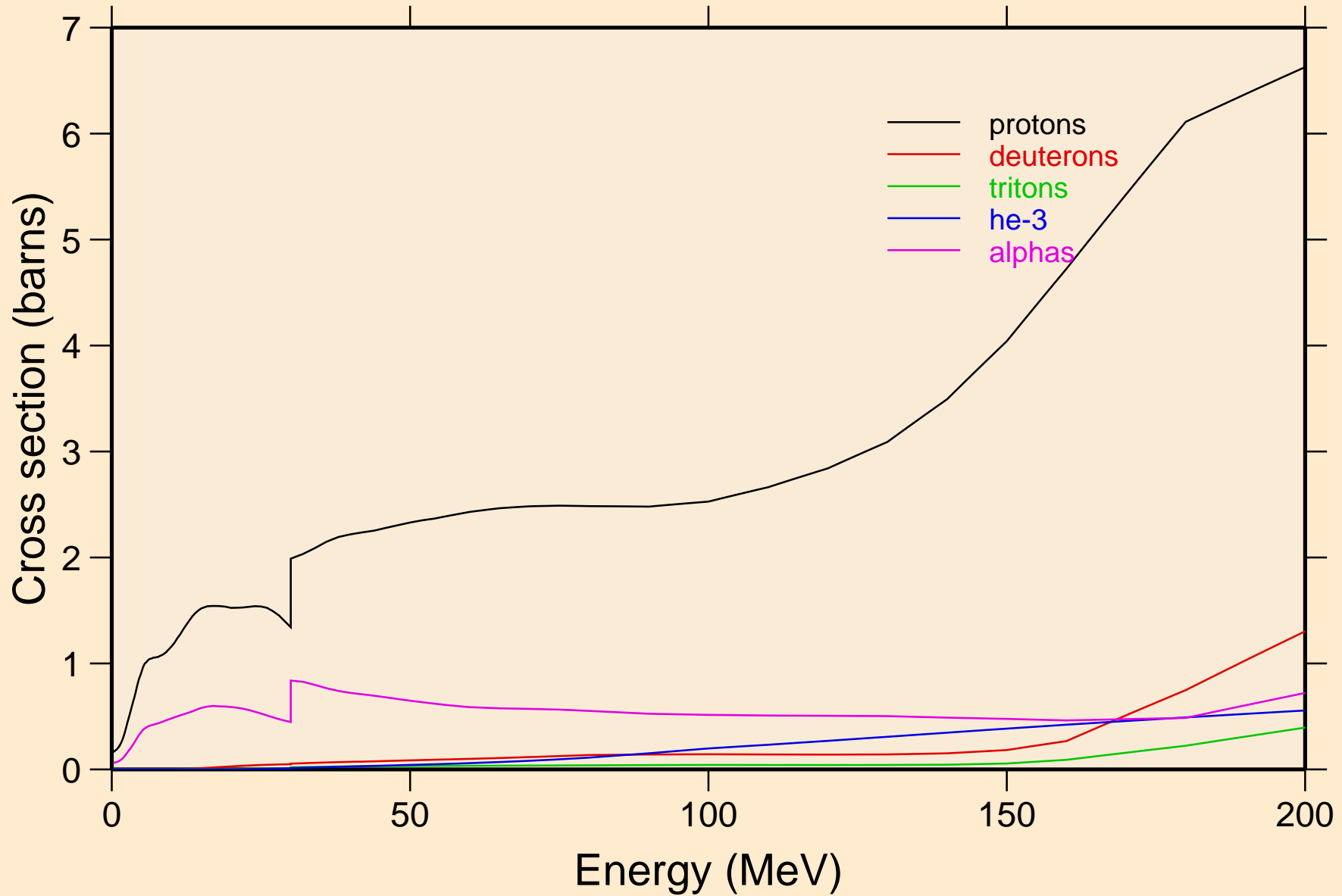
# HG181 NRG TENDL-2015, AKONING

## Recoil Heating

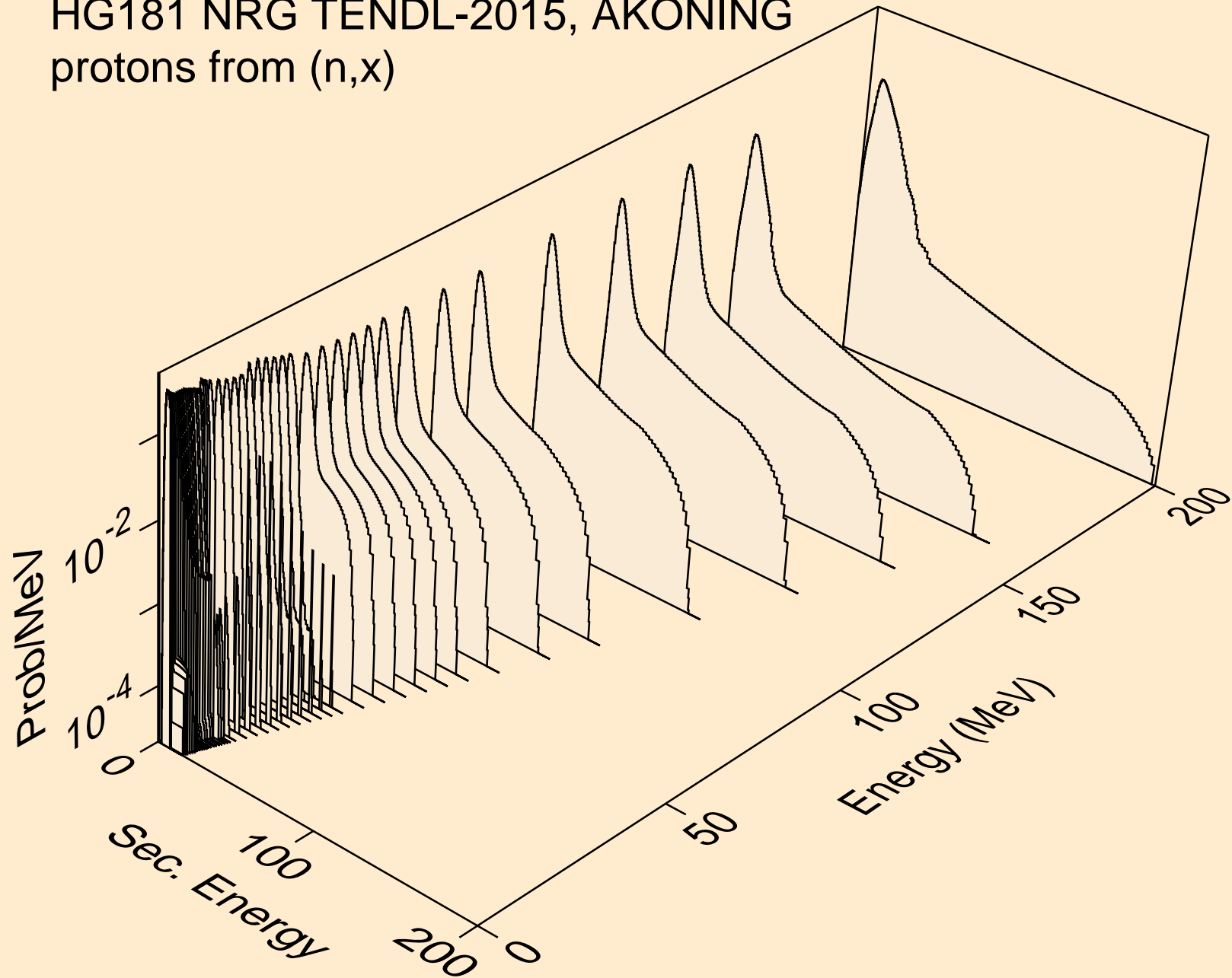


# HG181 NRG TENDL-2015, AKONING

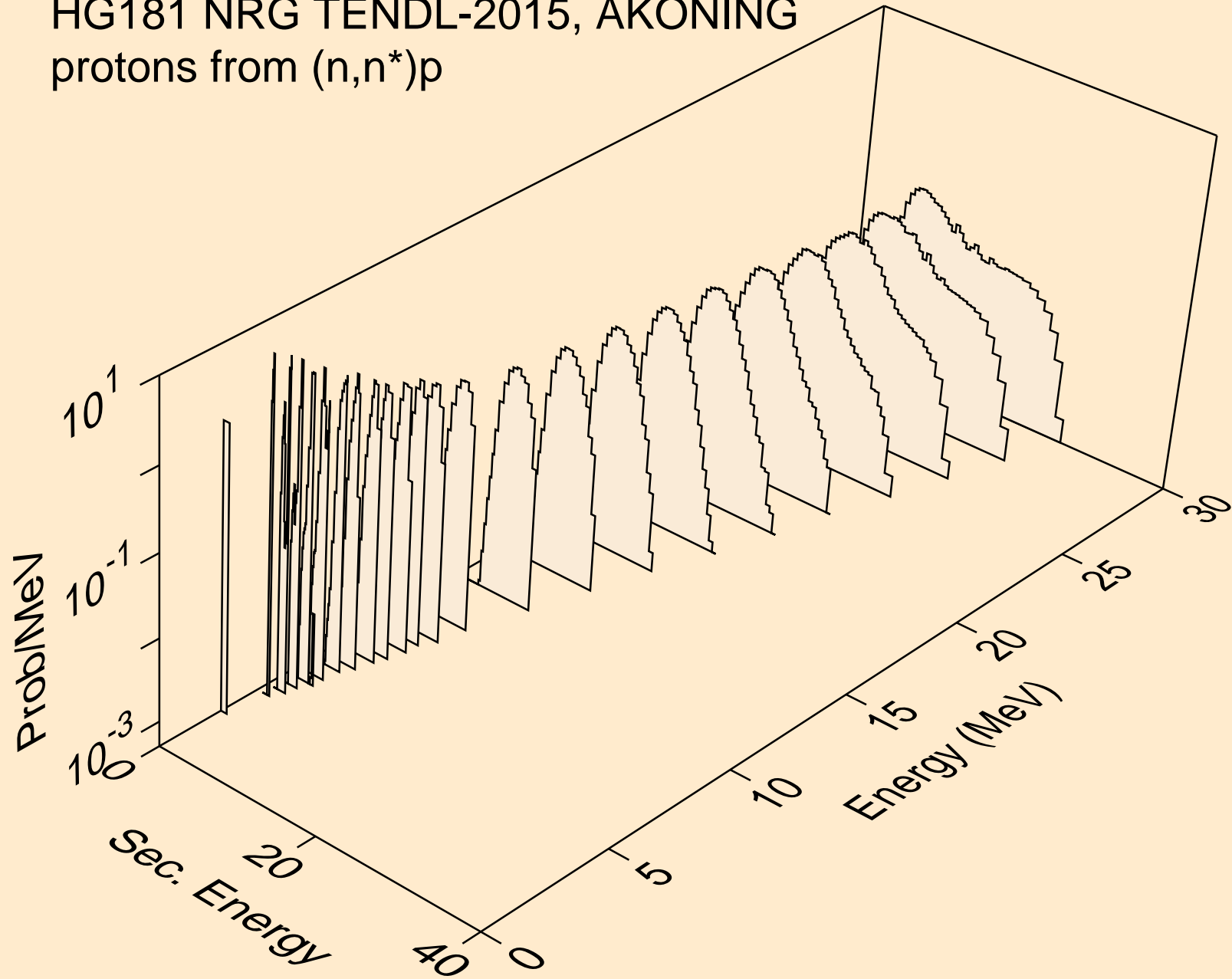
## Particle production cross sections



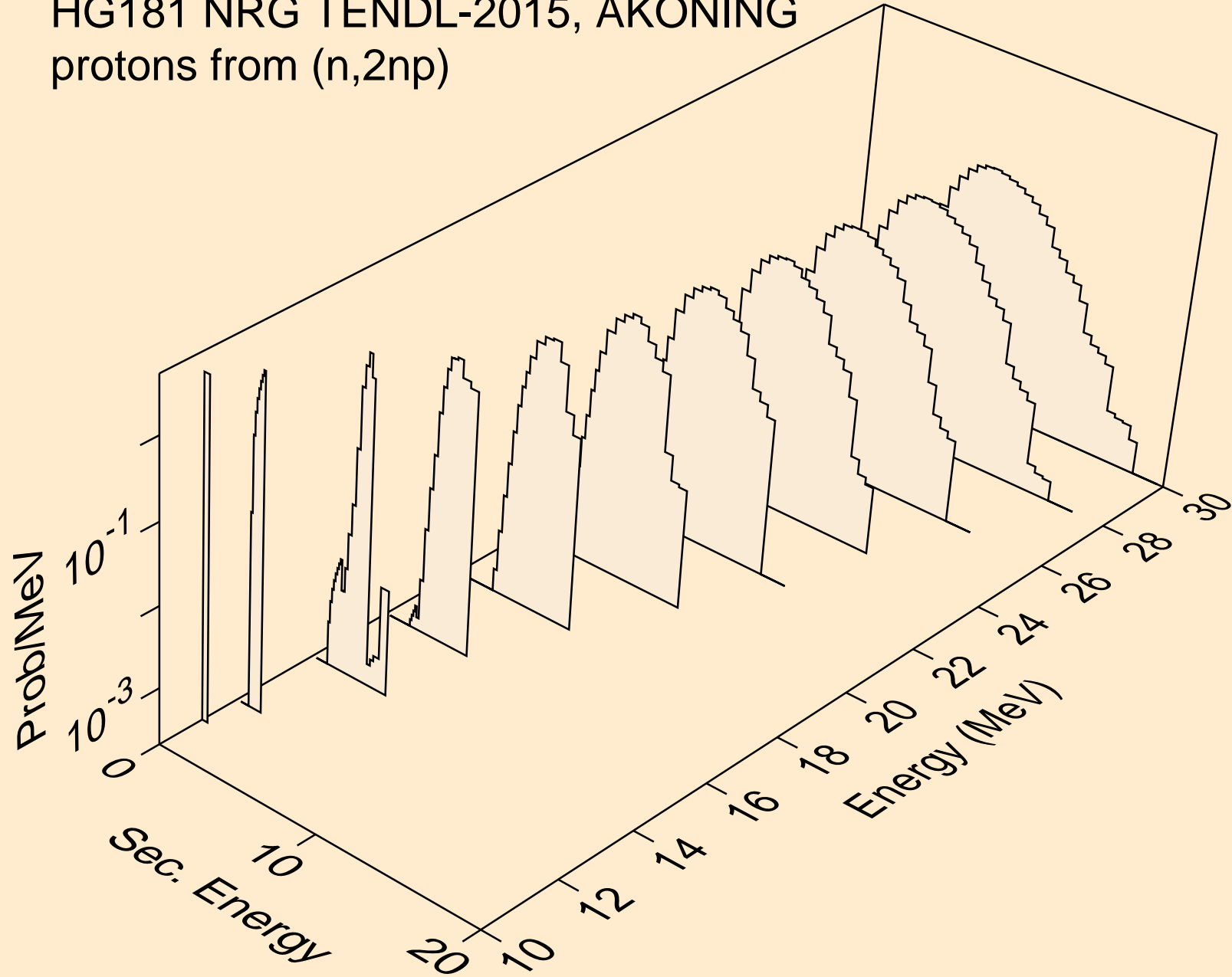
HG181 NRG TENDL-2015, AKONING  
protons from (n,x)



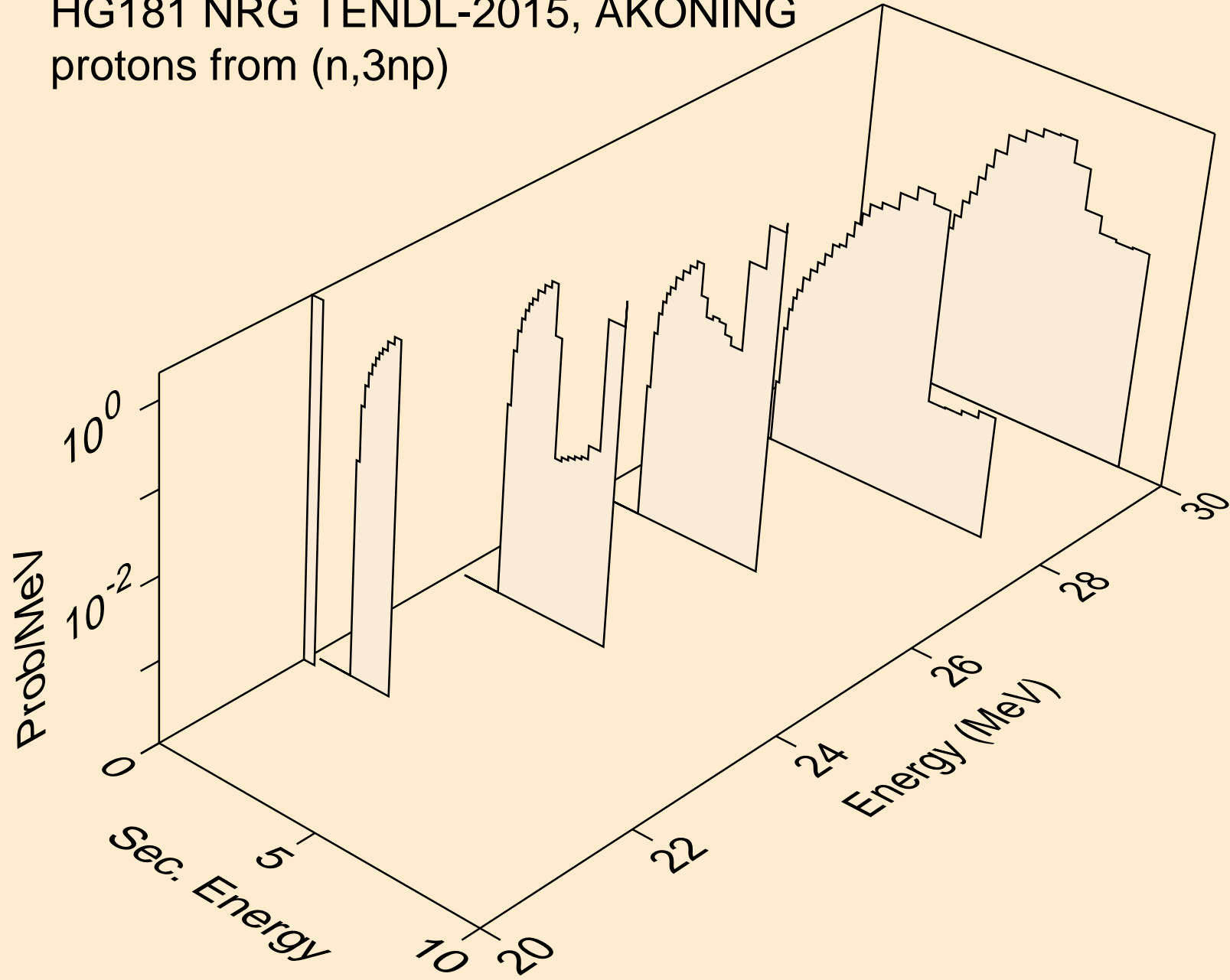
HG181 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



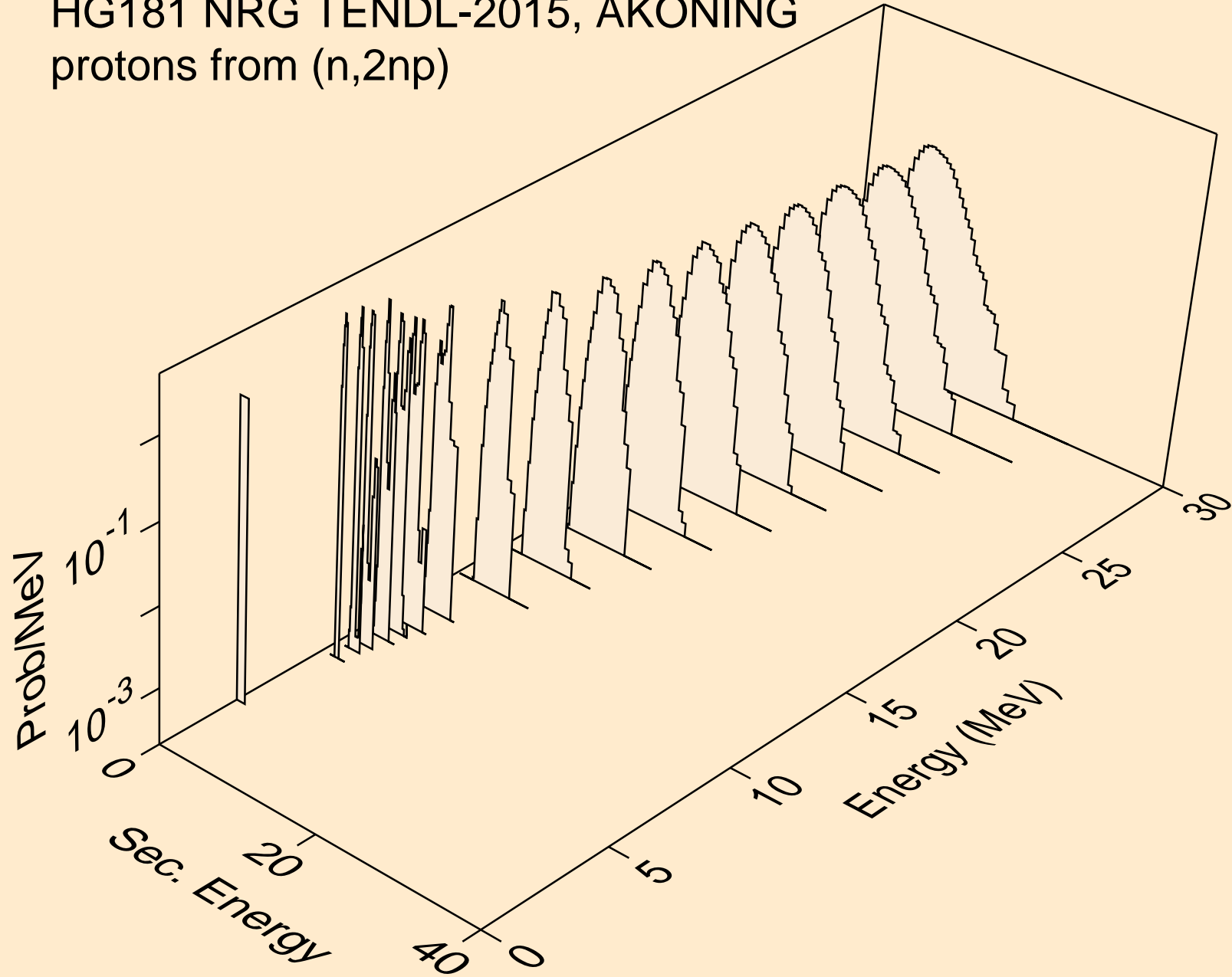
HG181 NRG TENDL-2015, AKONING  
protons from (n,2np)



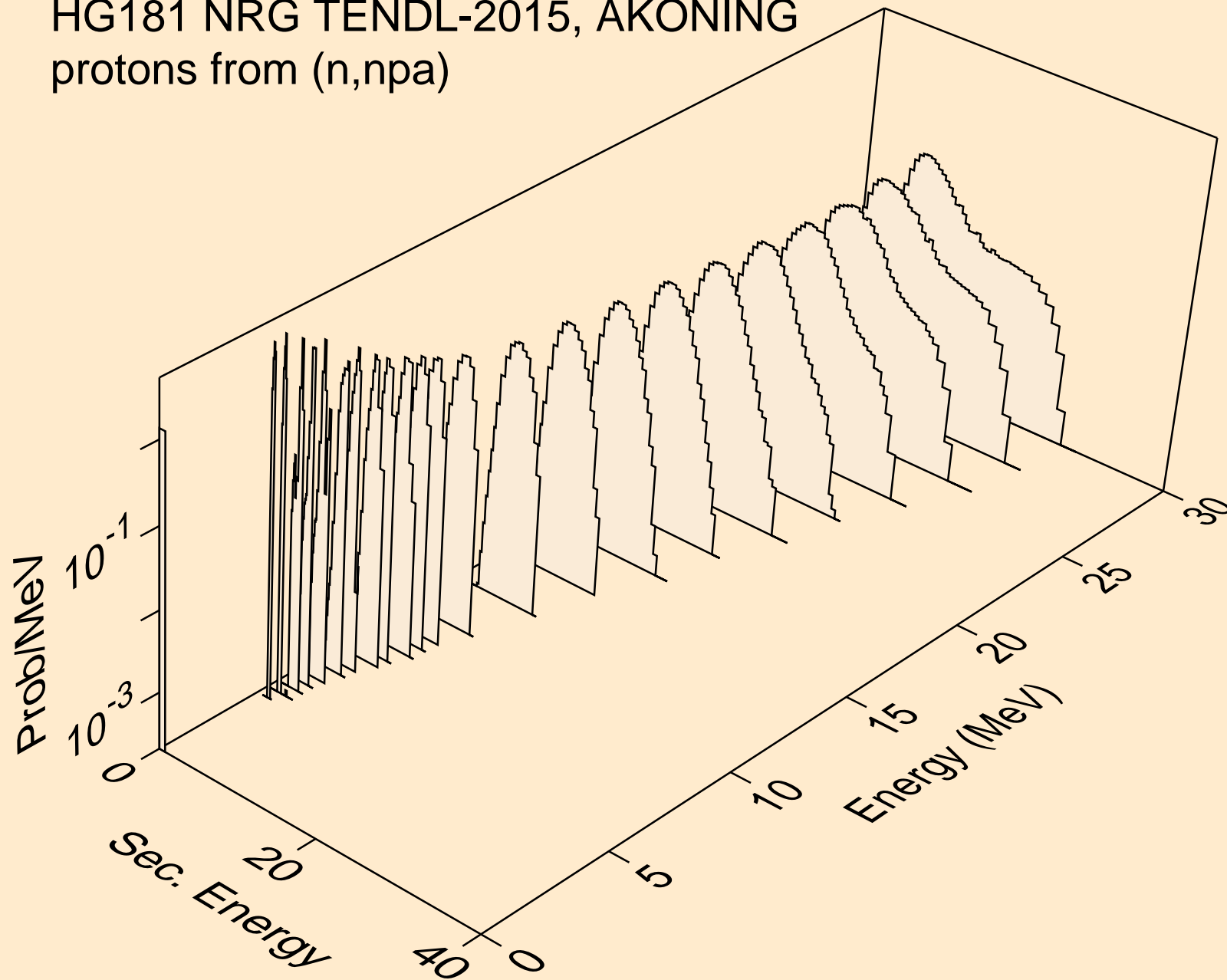
HG181 NRG TENDL-2015, AKONING  
protons from (n,3np)



HG181 NRG TENDL-2015, AKONING  
protons from (n,2np)

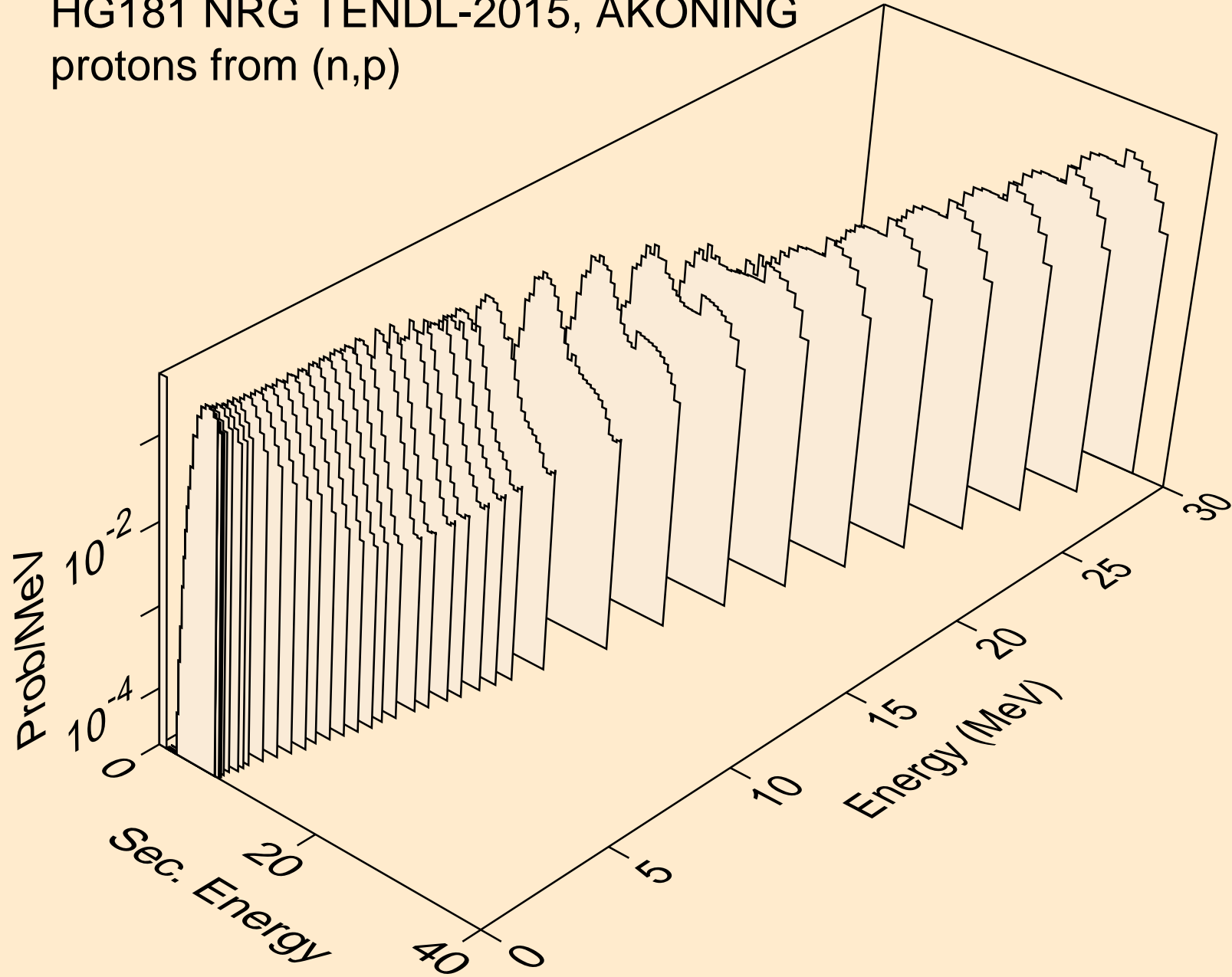


HG181 NRG TENDL-2015, AKONING  
protons from (n,npa)

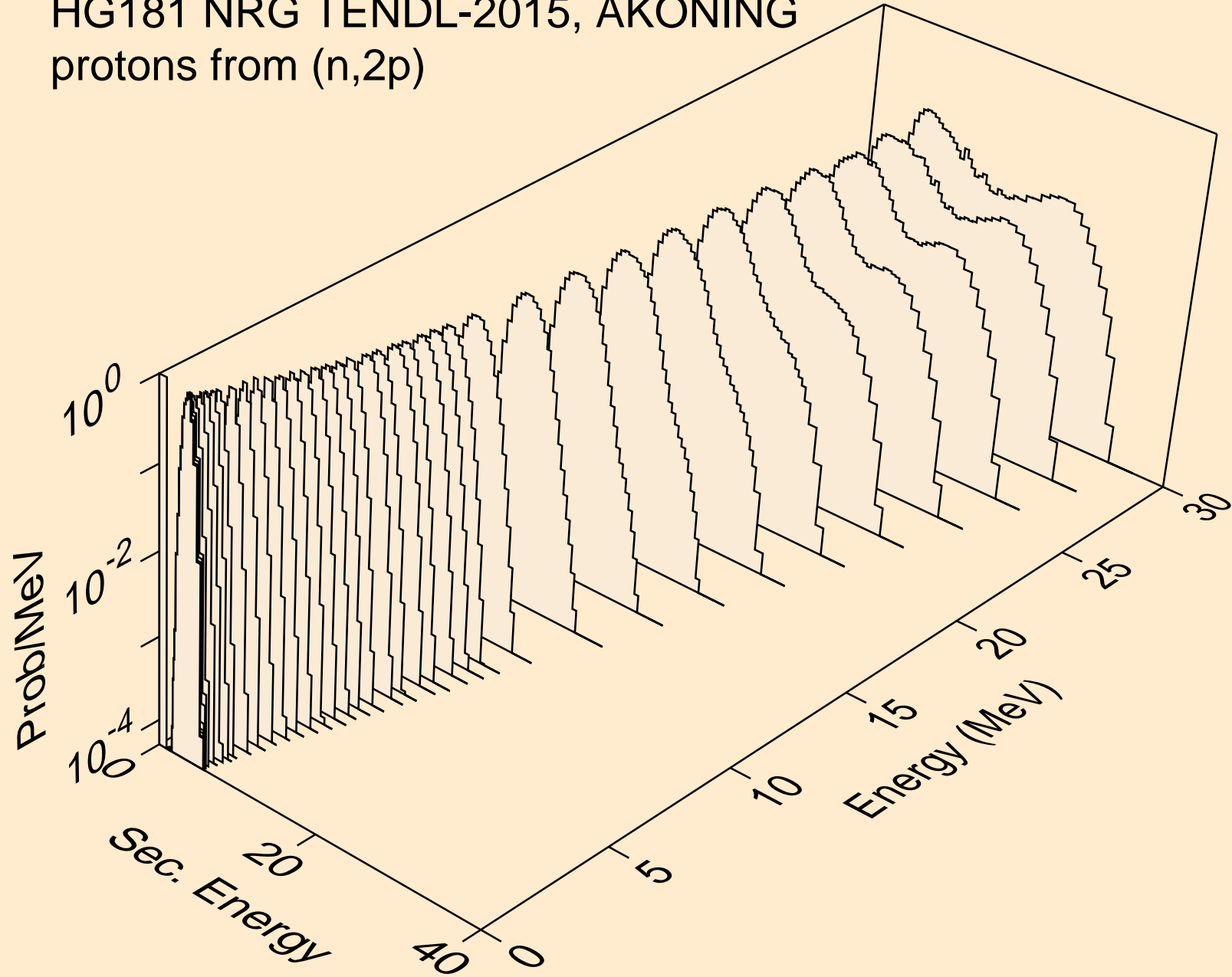




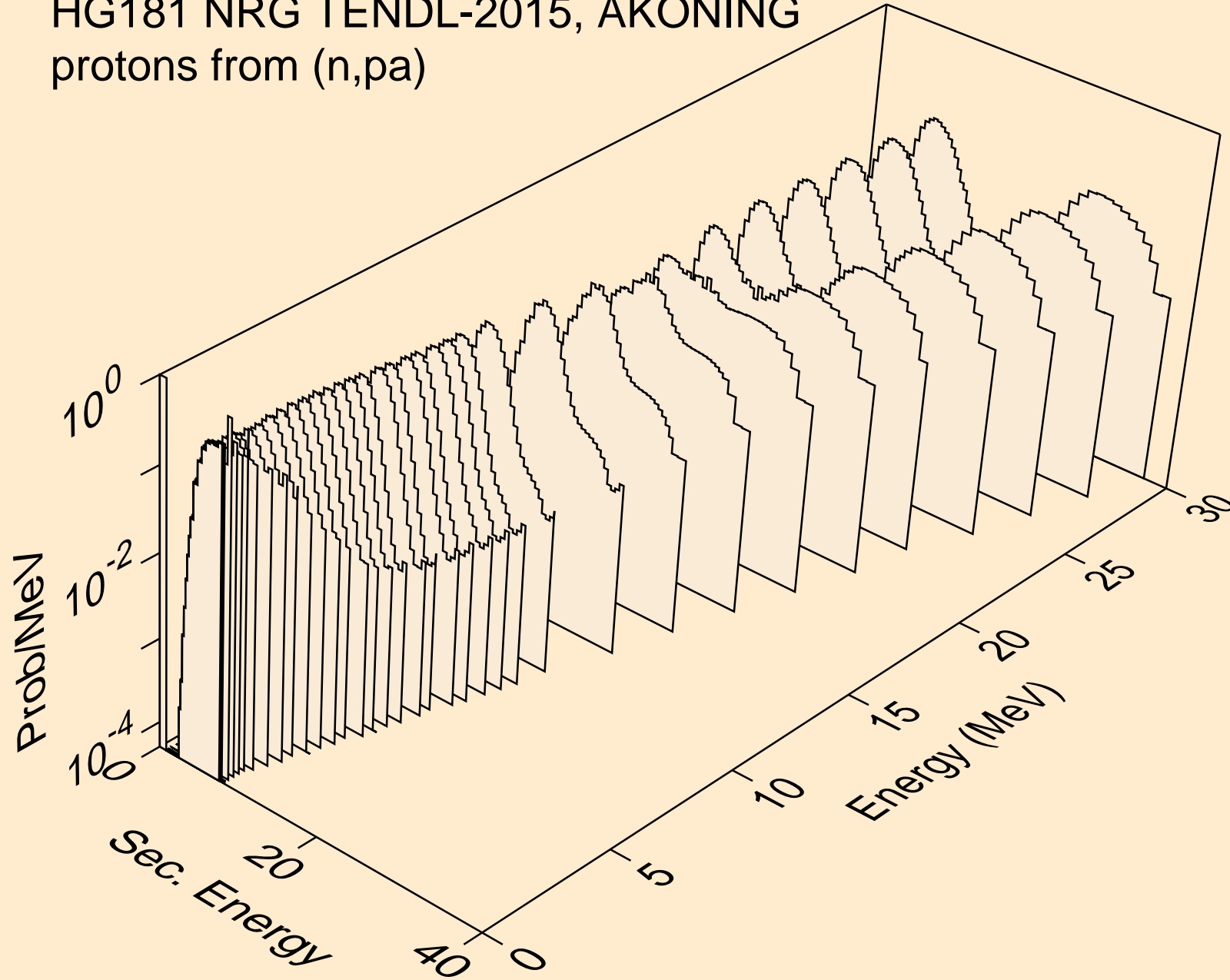
HG181 NRG TENDL-2015, AKONING  
protons from (n,p)



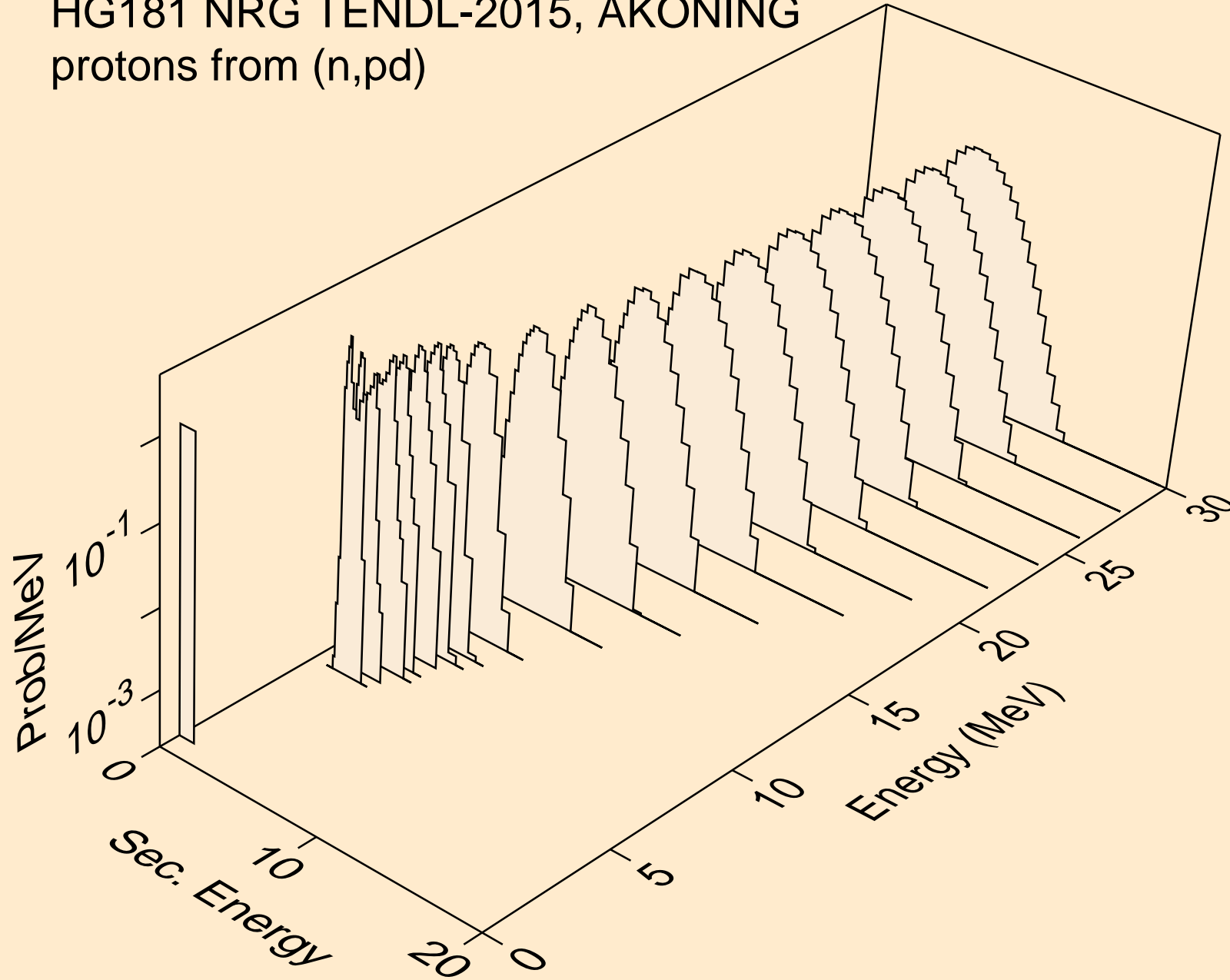
HG181 NRG TENDL-2015, AKONING  
protons from (n,2p)



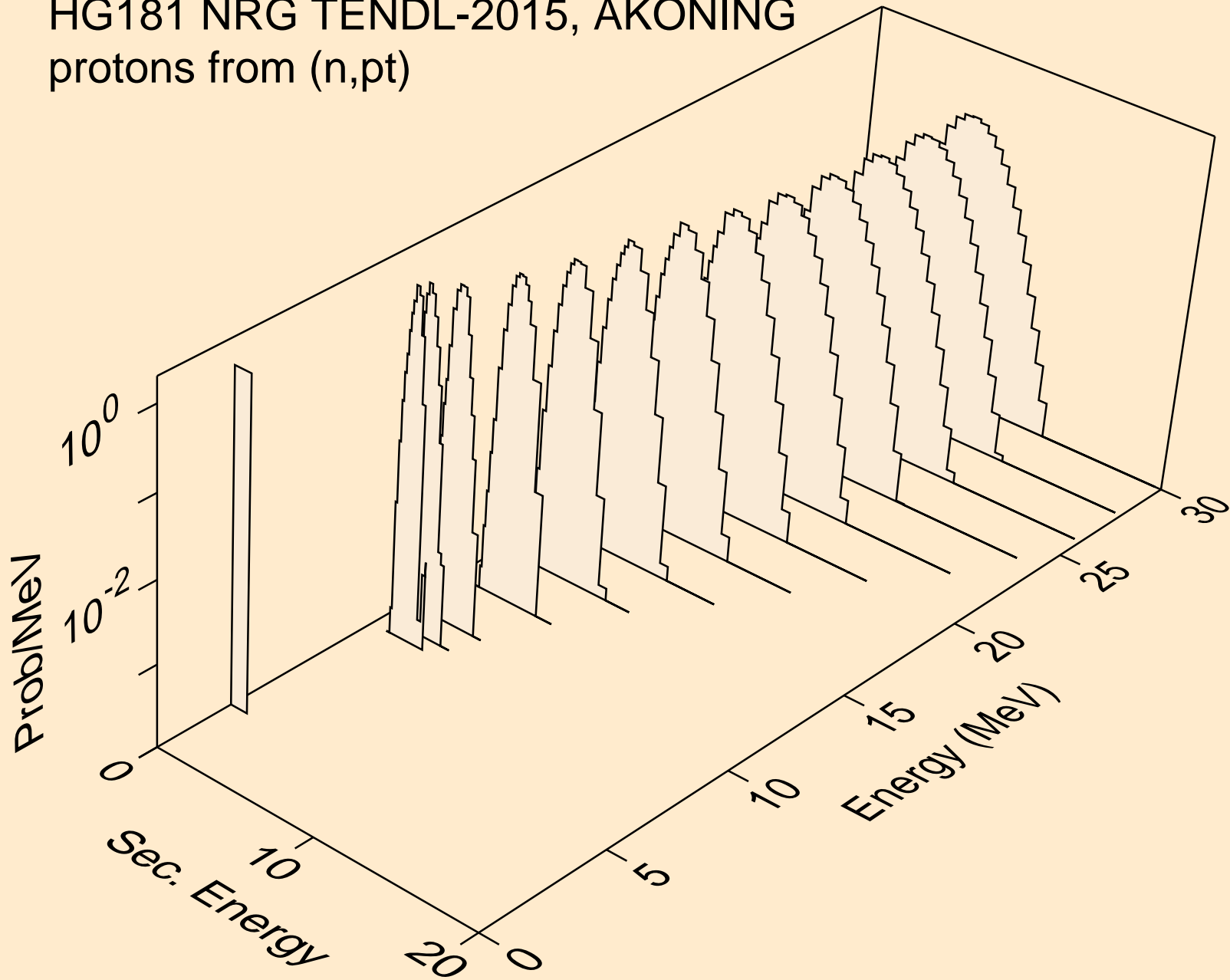
HG181 NRG TENDL-2015, AKONING  
protons from (n,pa)



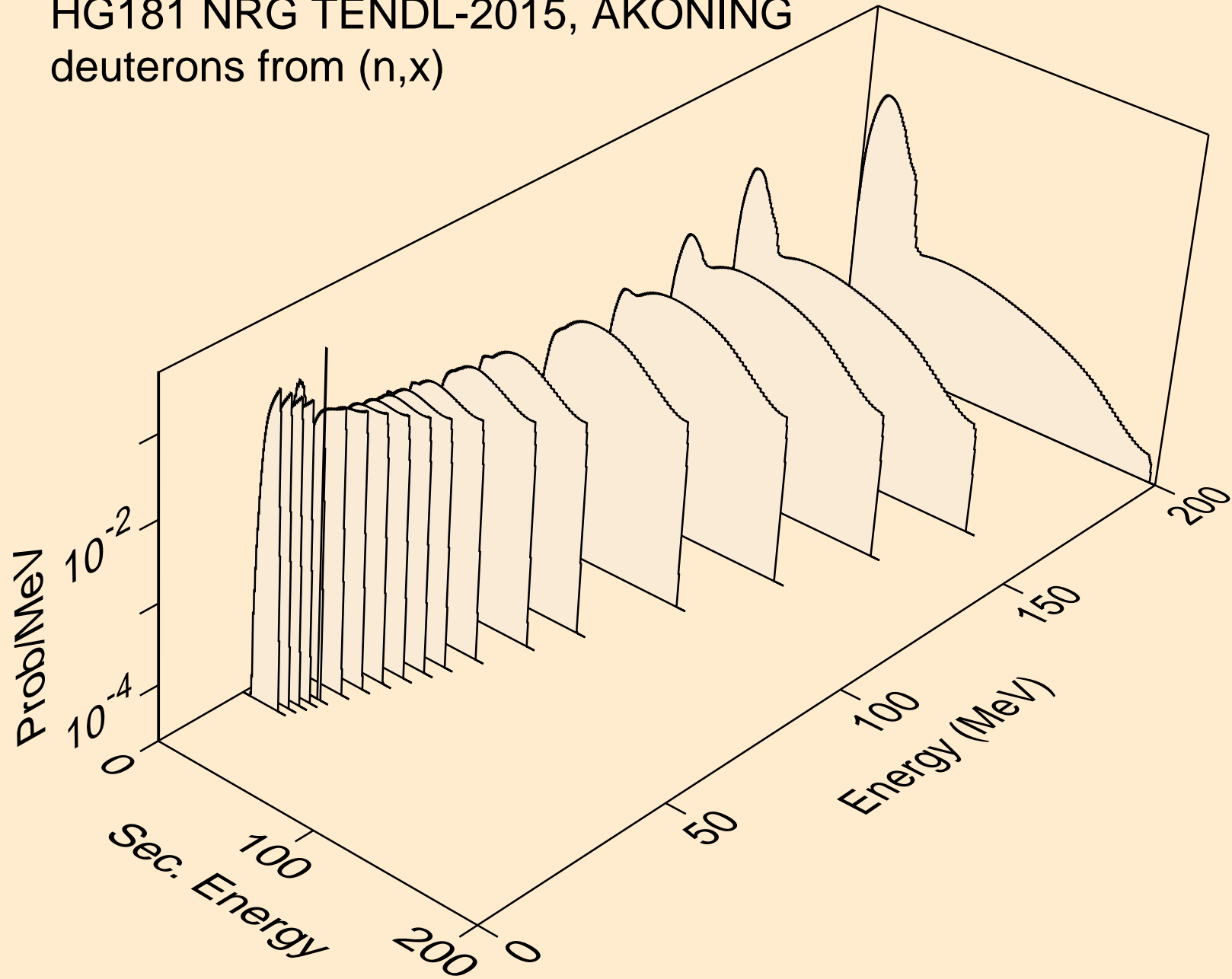
HG181 NRG TENDL-2015, AKONING  
protons from (n,pd)



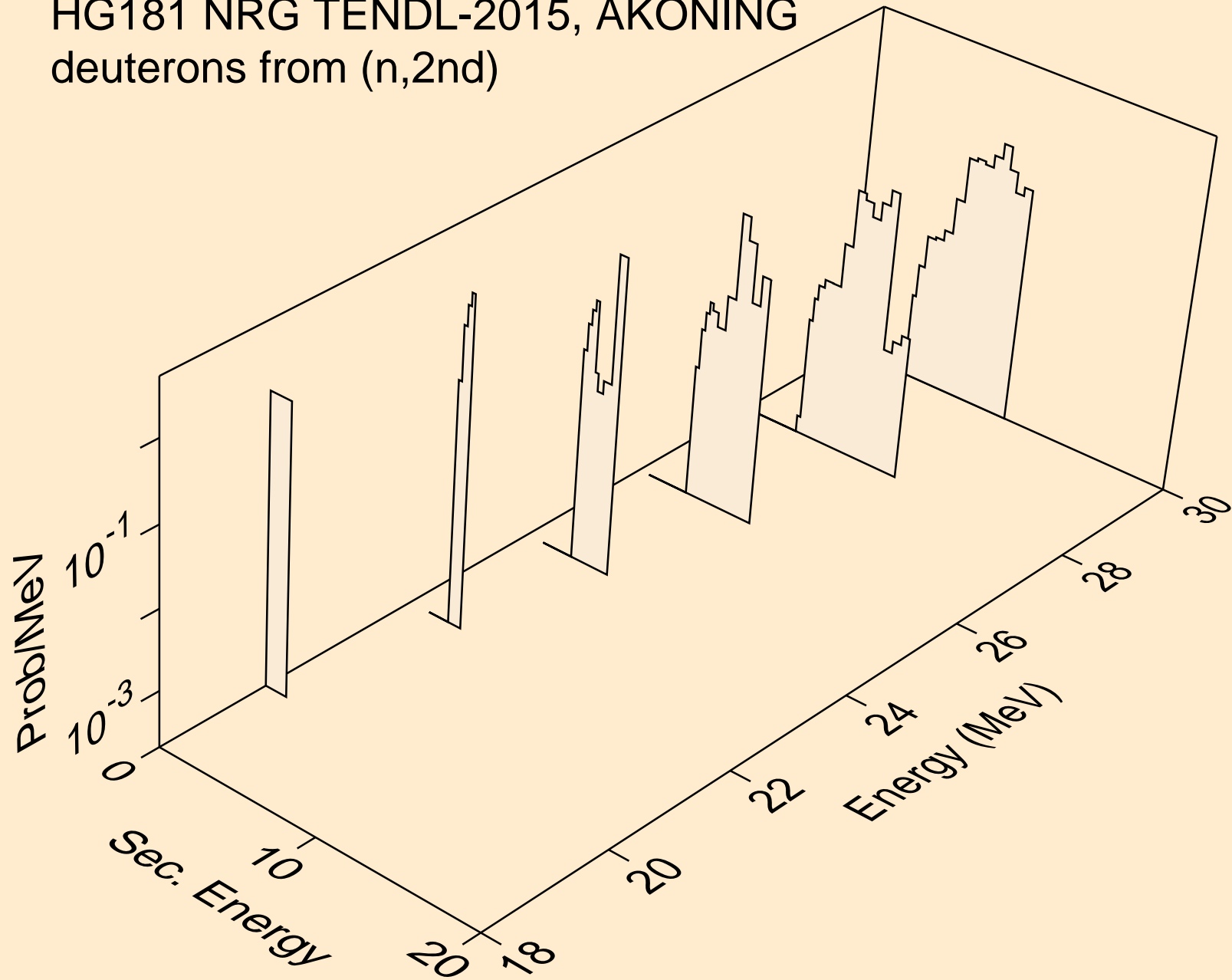
HG181 NRG TENDL-2015, AKONING  
protons from (n,pt)



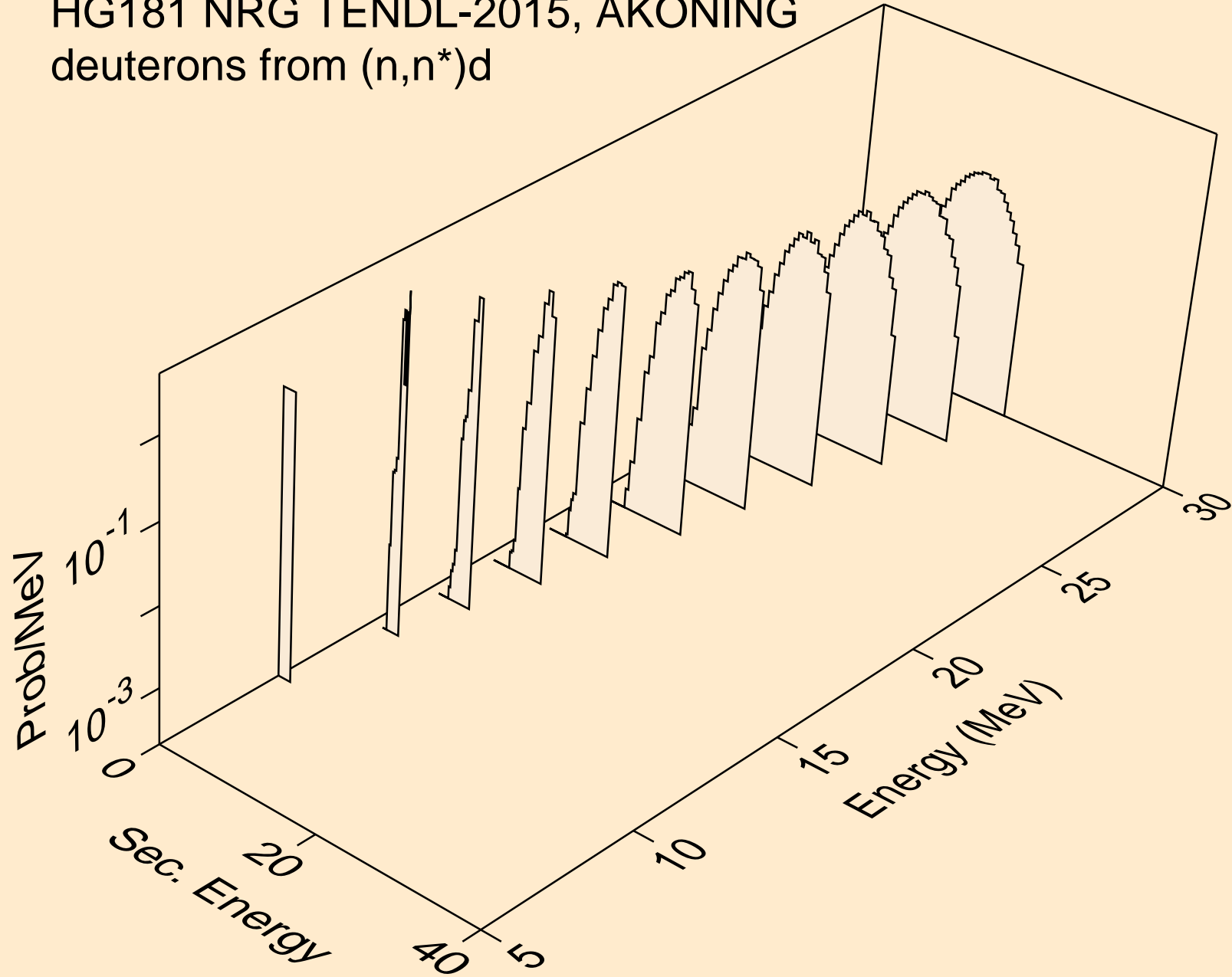
HG181 NRG TENDL-2015, AKONING  
deuterons from (n,x)



HG181 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)

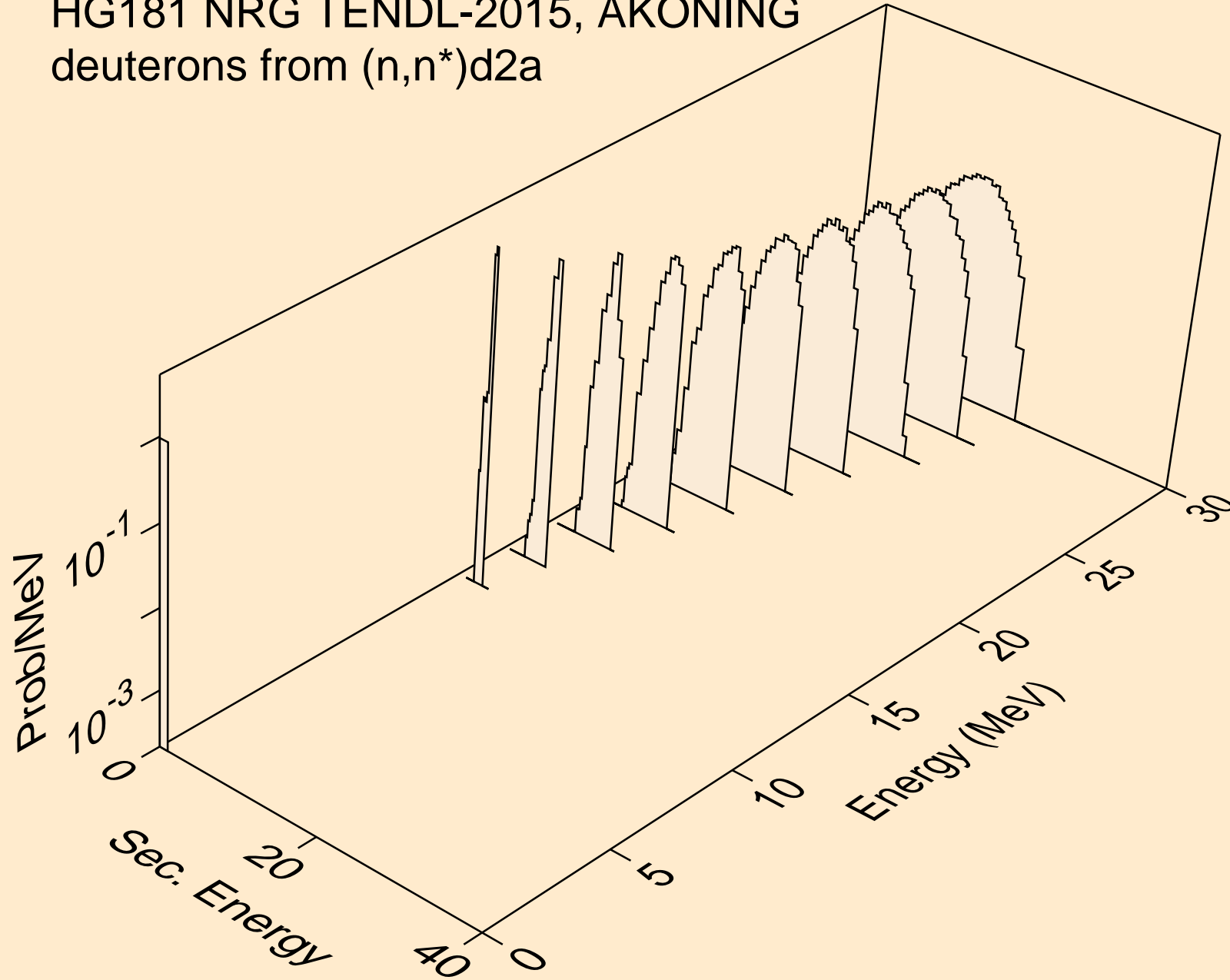


HG181 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d

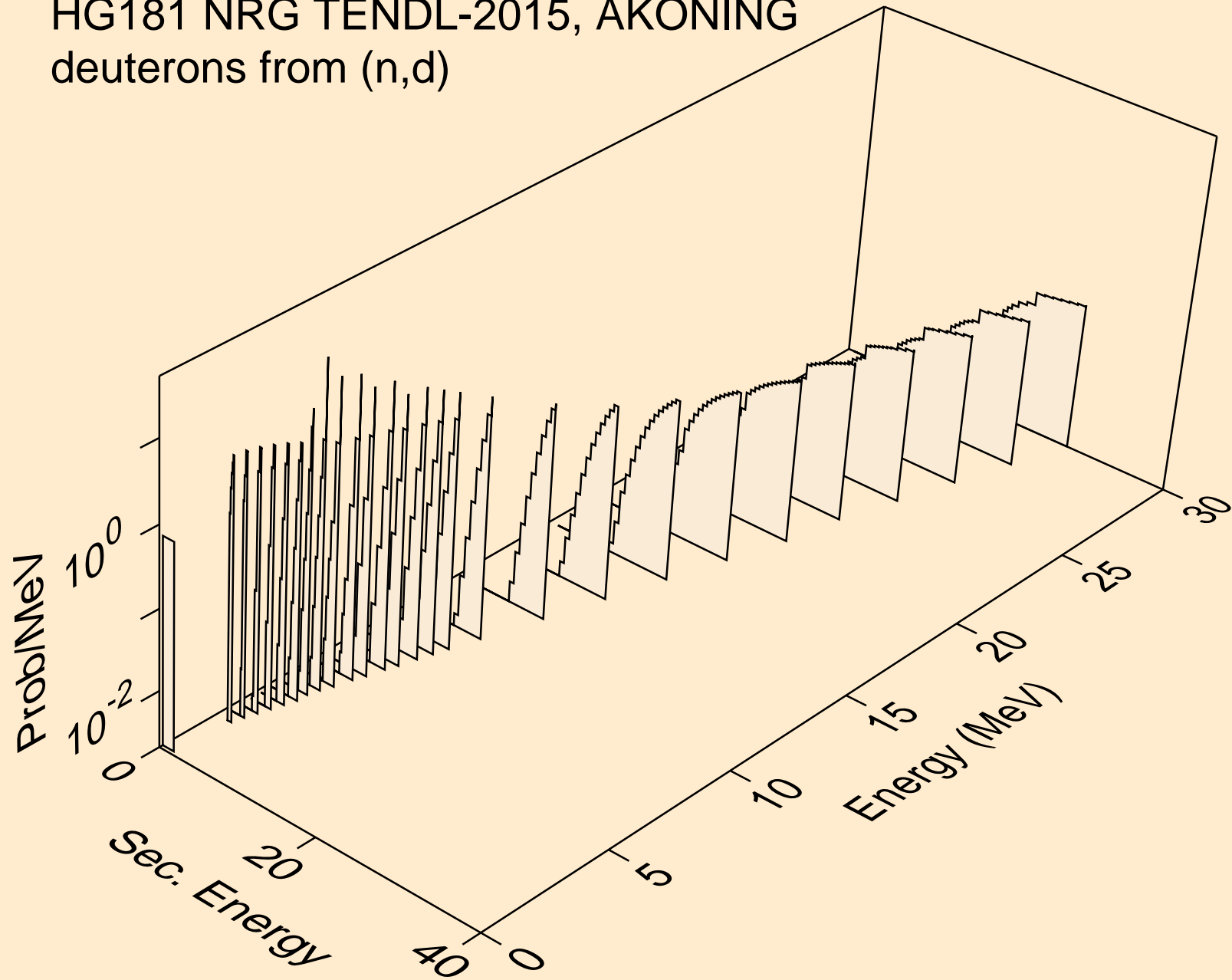




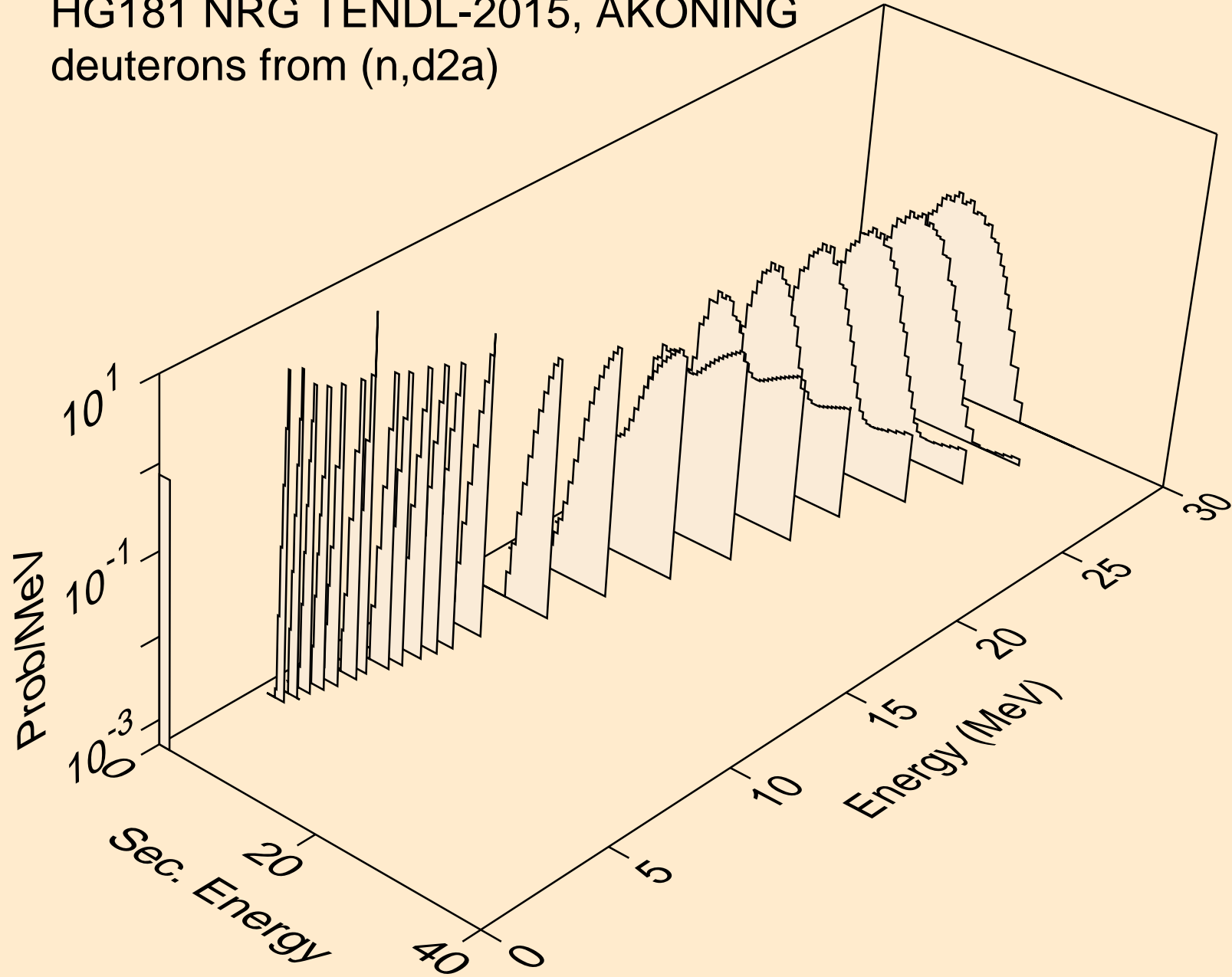
HG181 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d2a



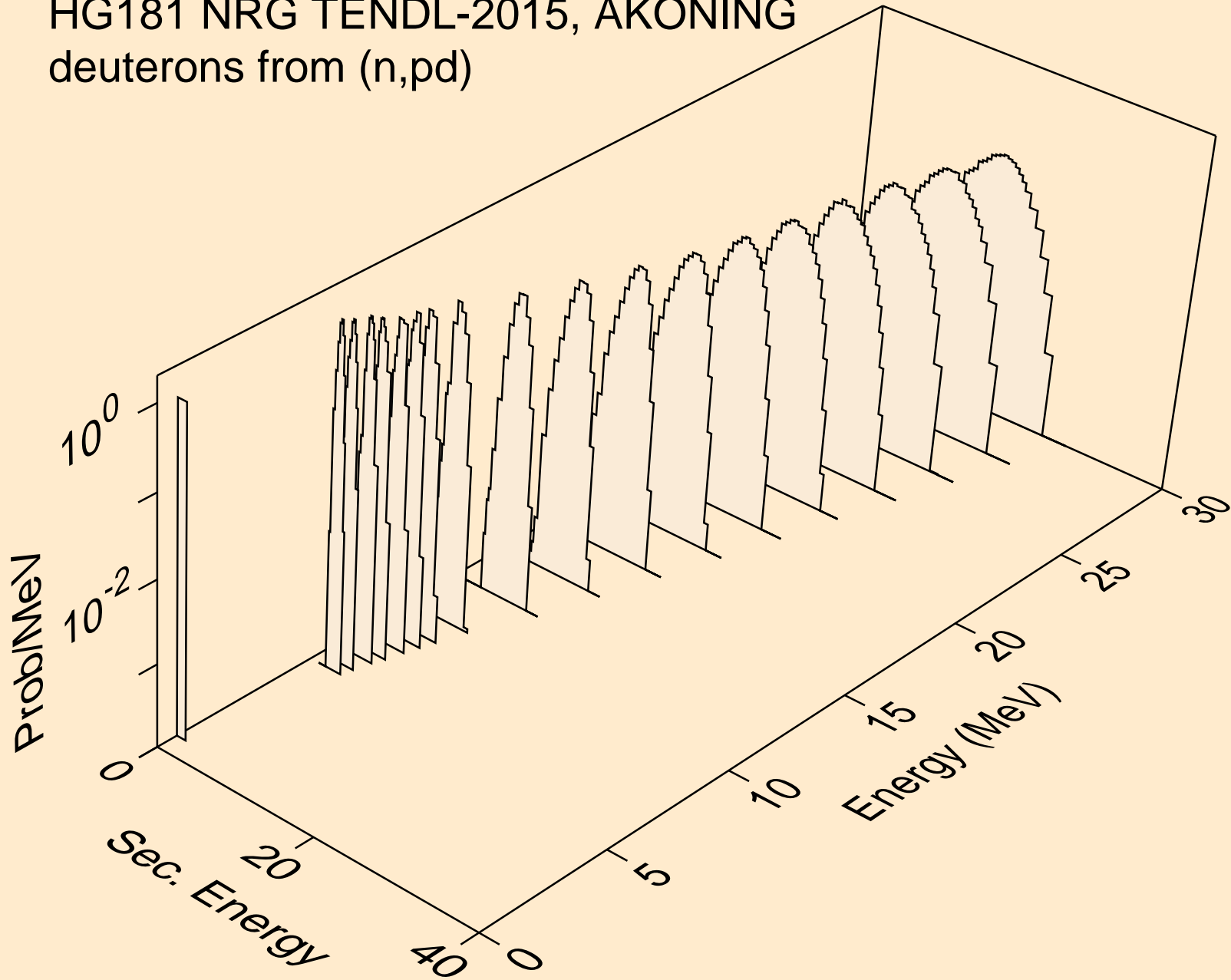
HG181 NRG TENDL-2015, AKONING  
deuterons from (n,d)



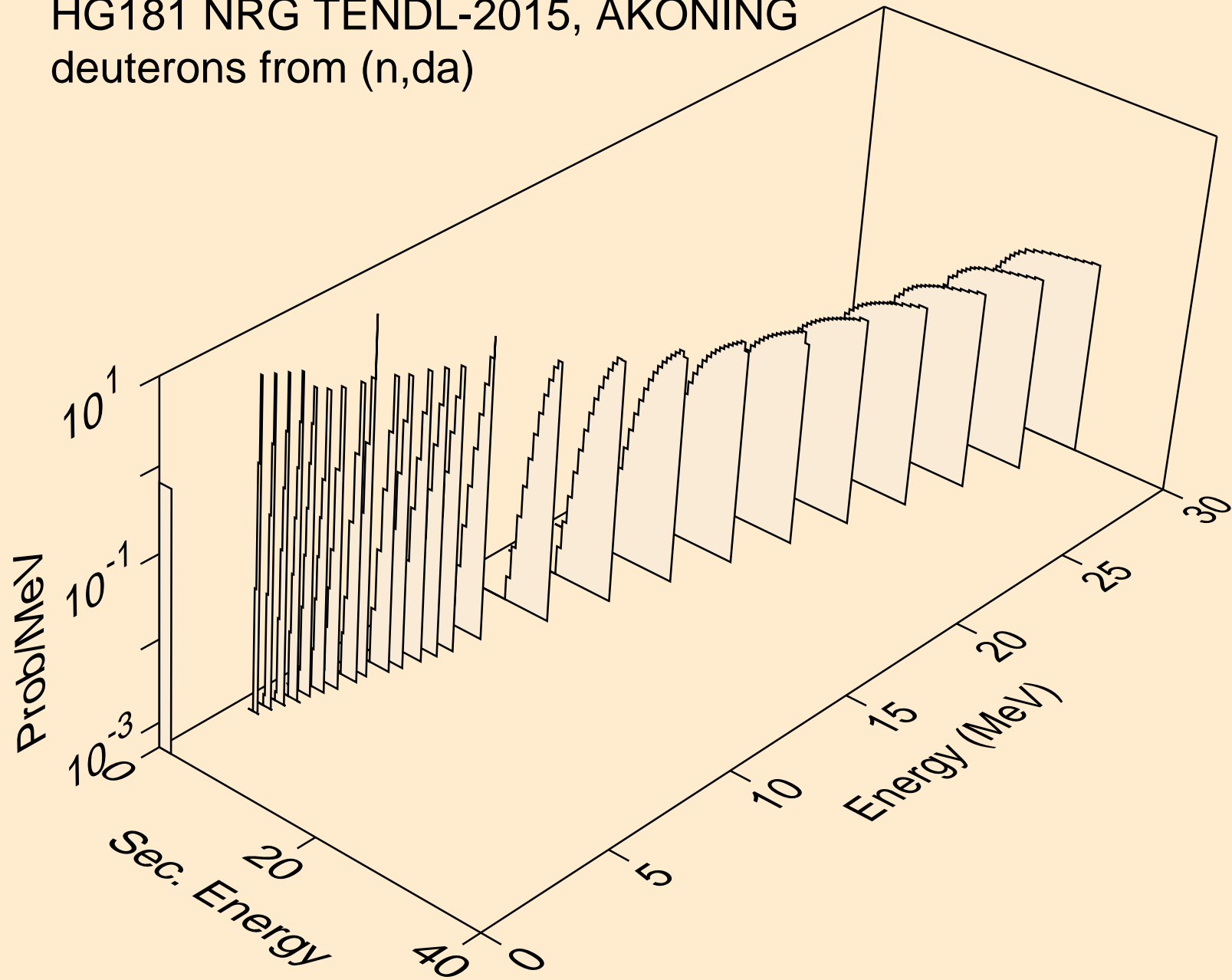
HG181 NRG TENDL-2015, AKONING  
deuterons from (n,d2a)



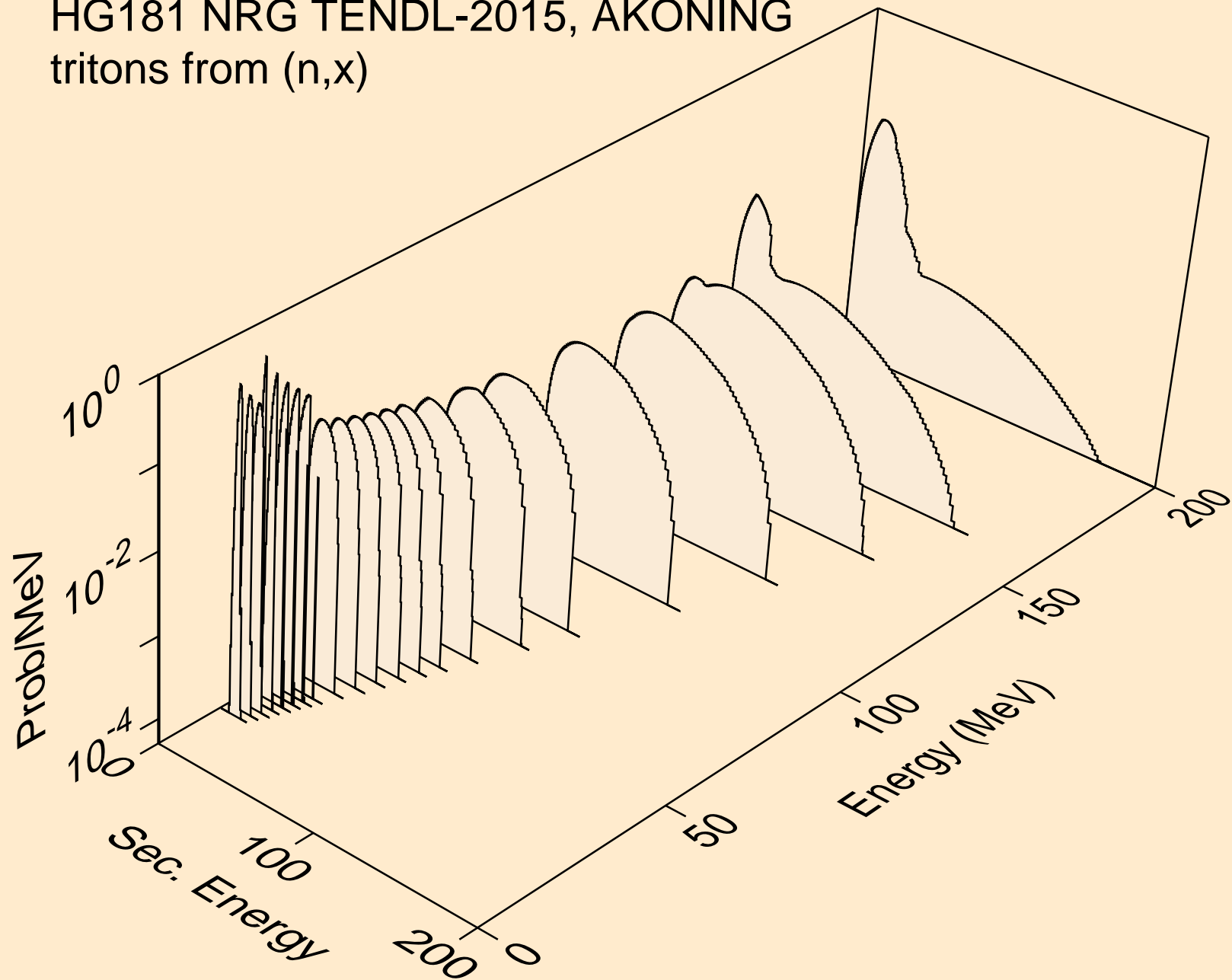
HG181 NRG TENDL-2015, AKONING  
deuterons from (n,pd)



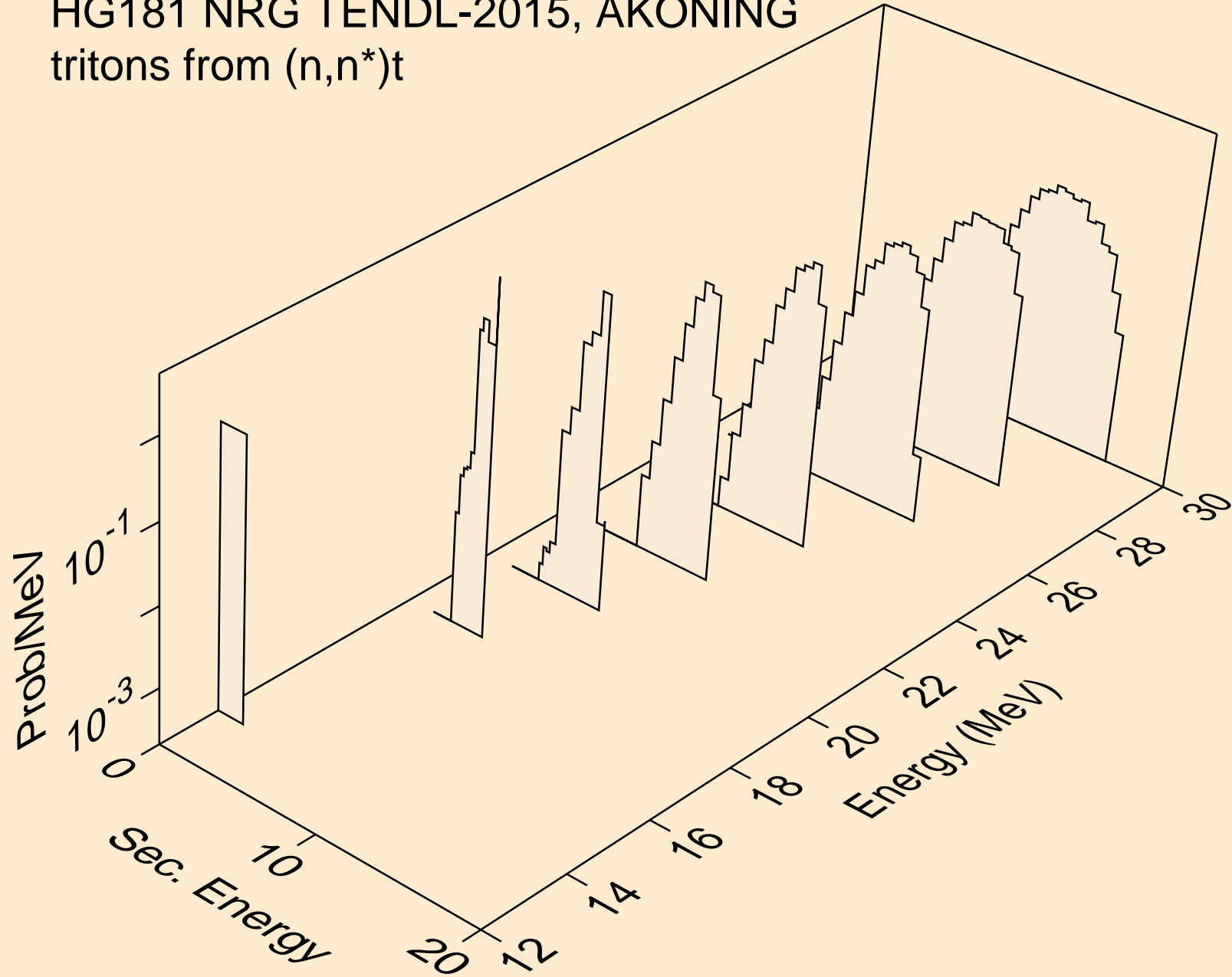
HG181 NRG TENDL-2015, AKONING  
deuterons from (n,da)



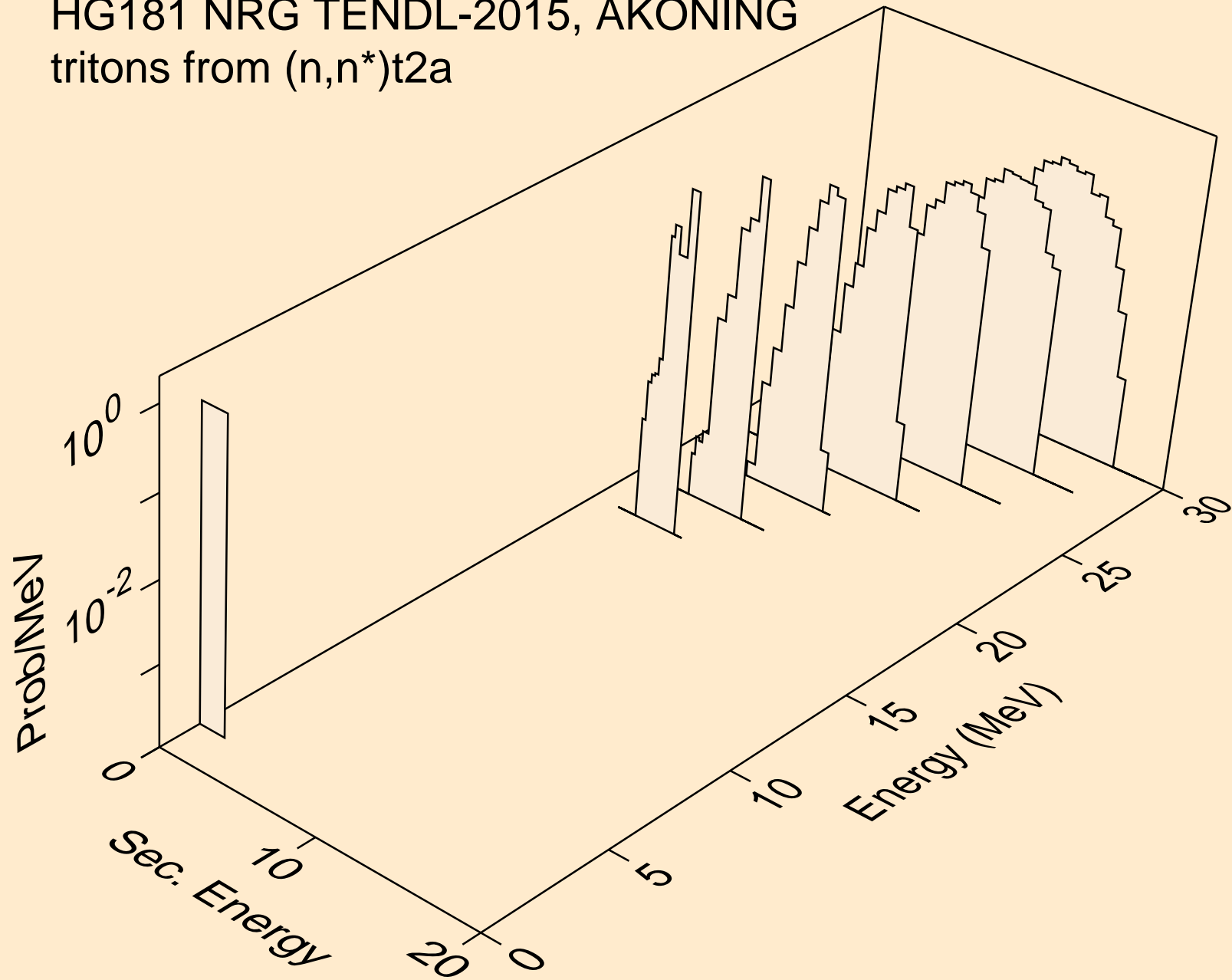
HG181 NRG TENDL-2015, AKONING  
tritons from (n,x)



HG181 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t

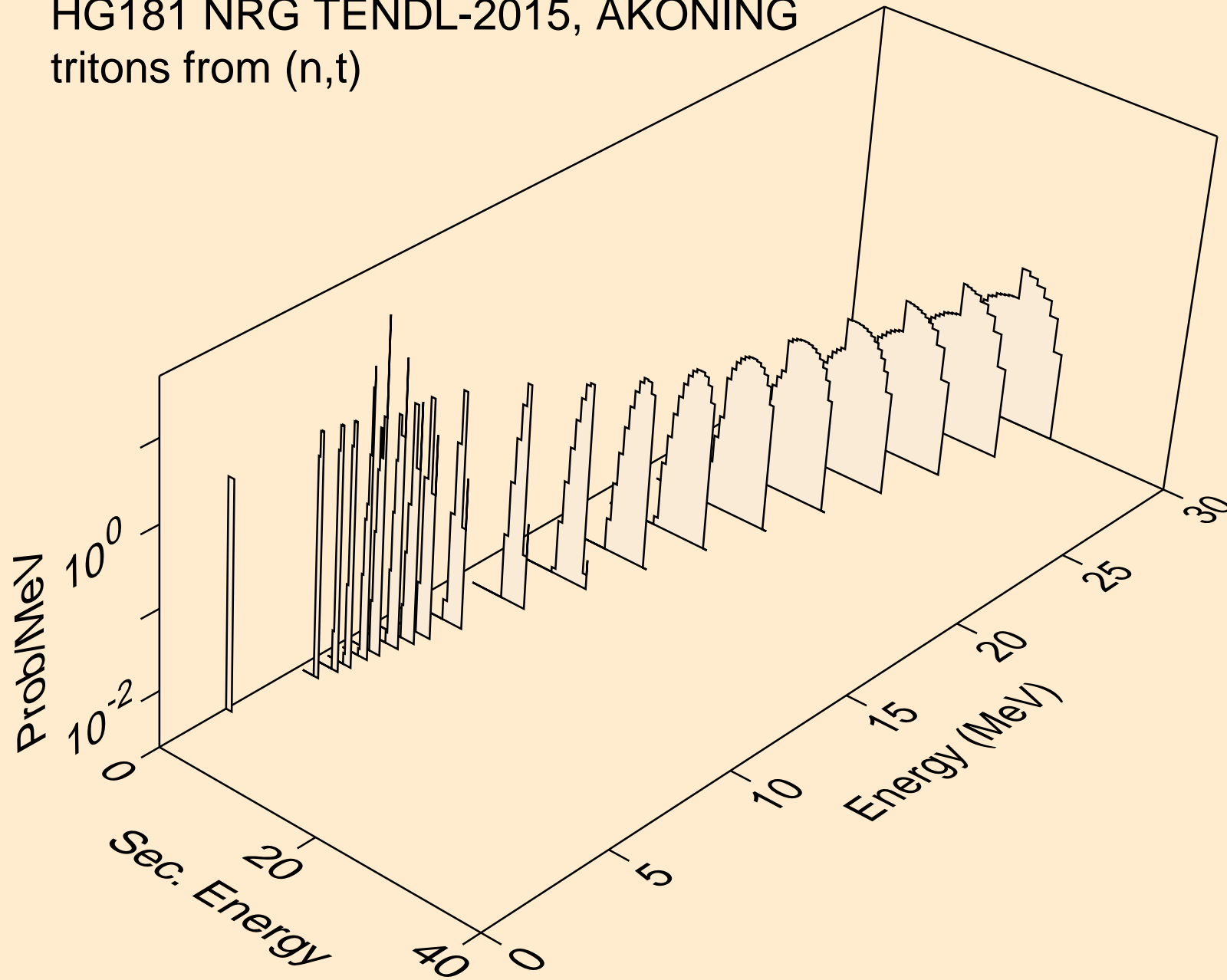


HG181 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t2a

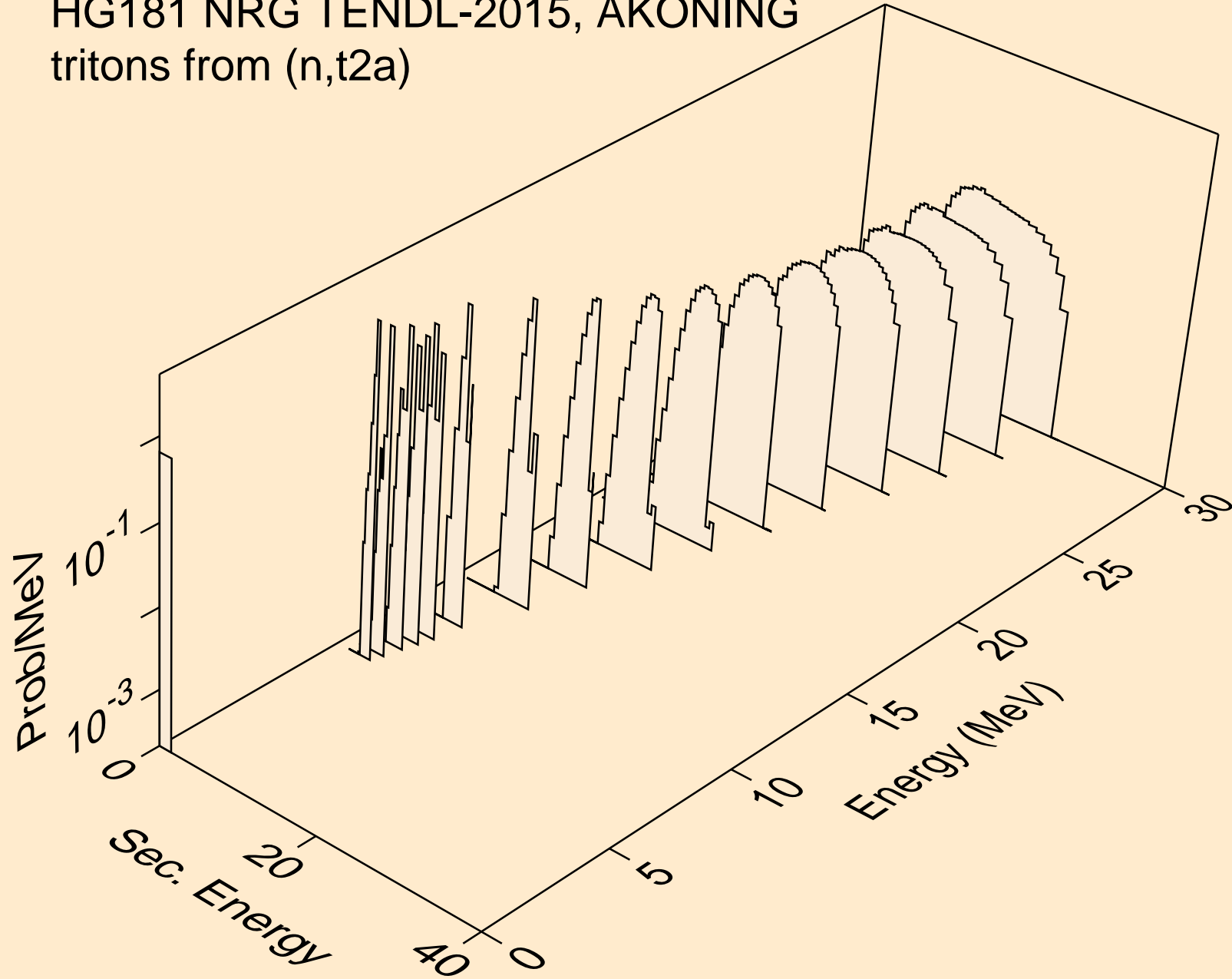




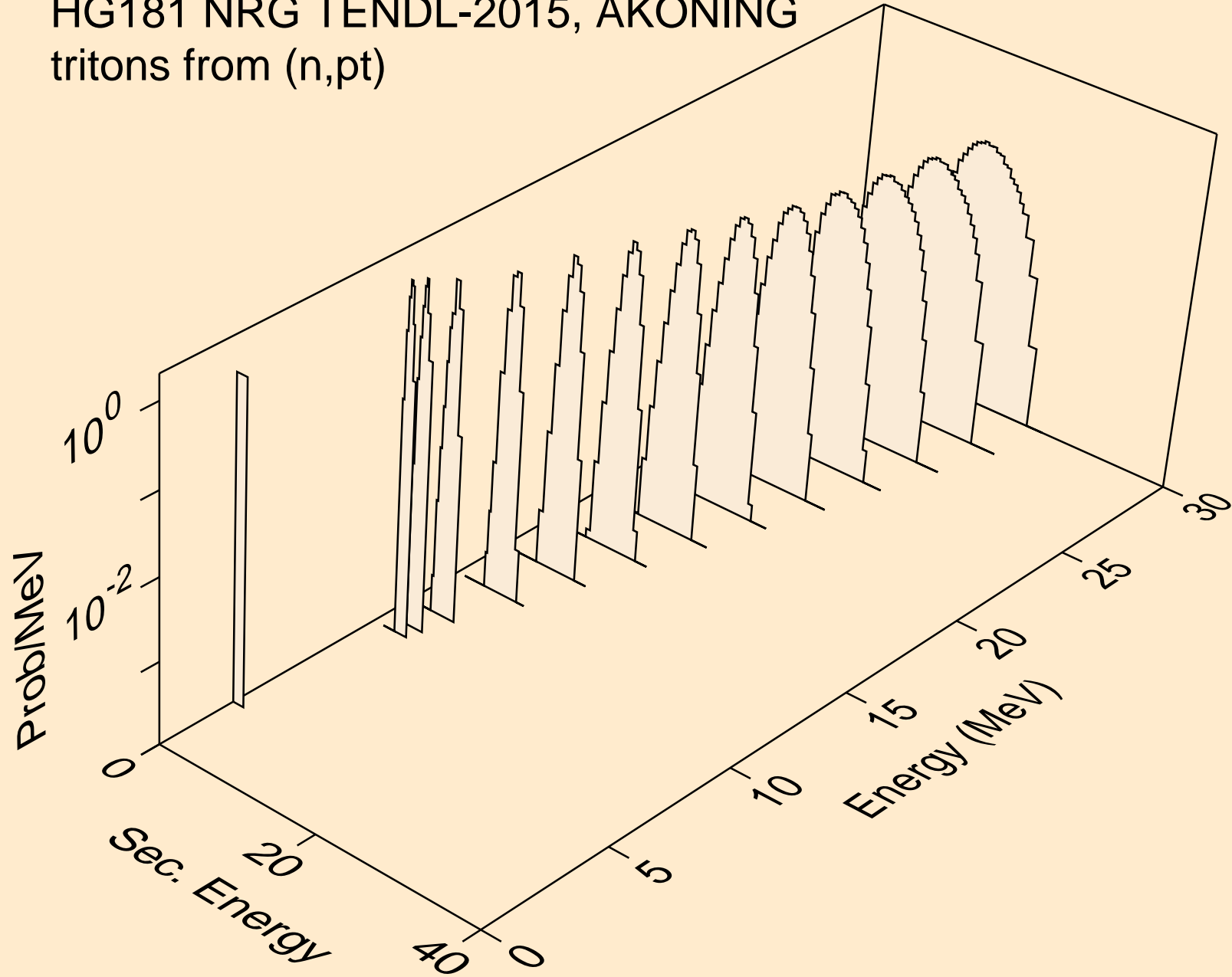
HG181 NRG TENDL-2015, AKONING  
tritons from (n,t)



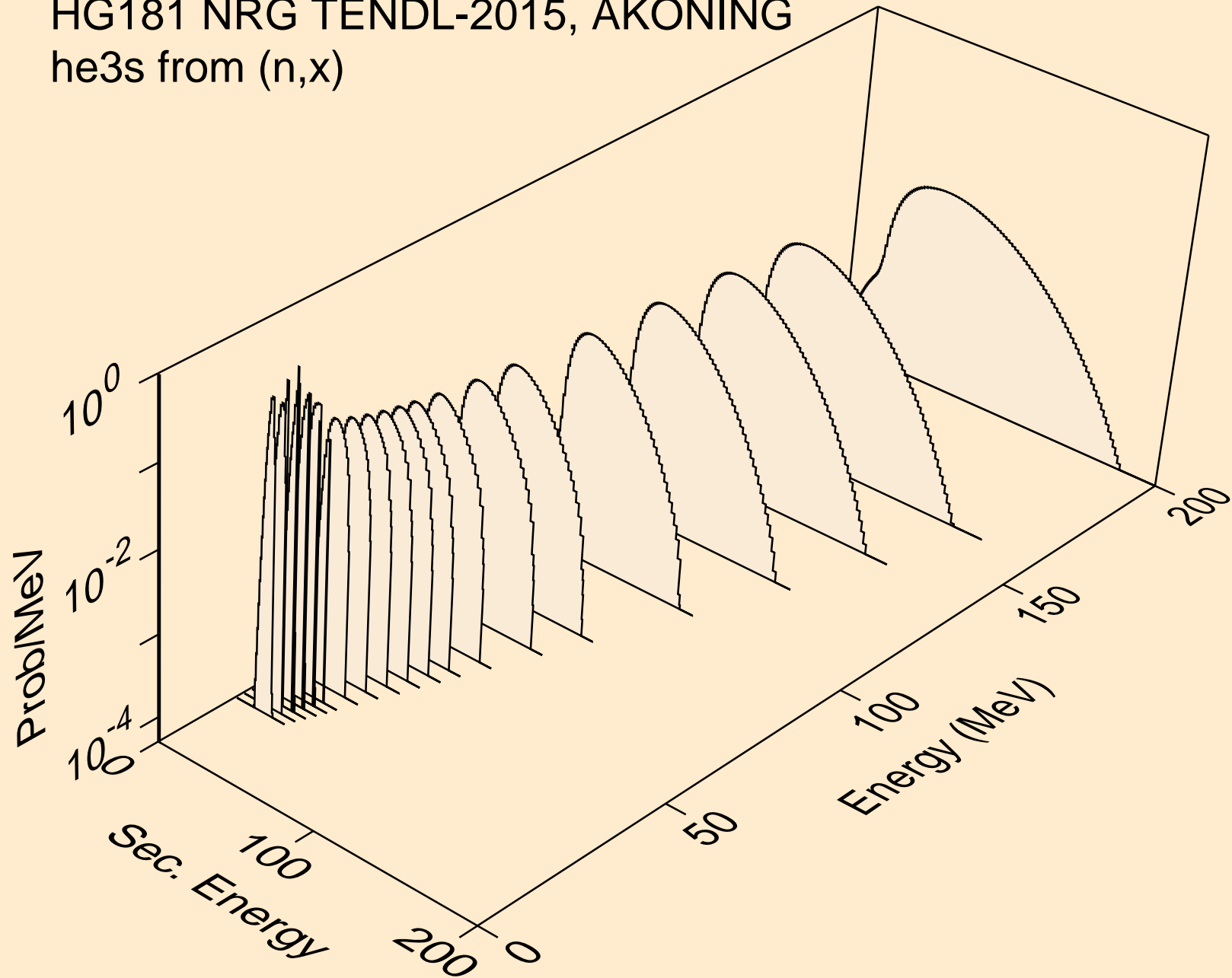
HG181 NRG TENDL-2015, AKONING  
tritons from (n,t2a)



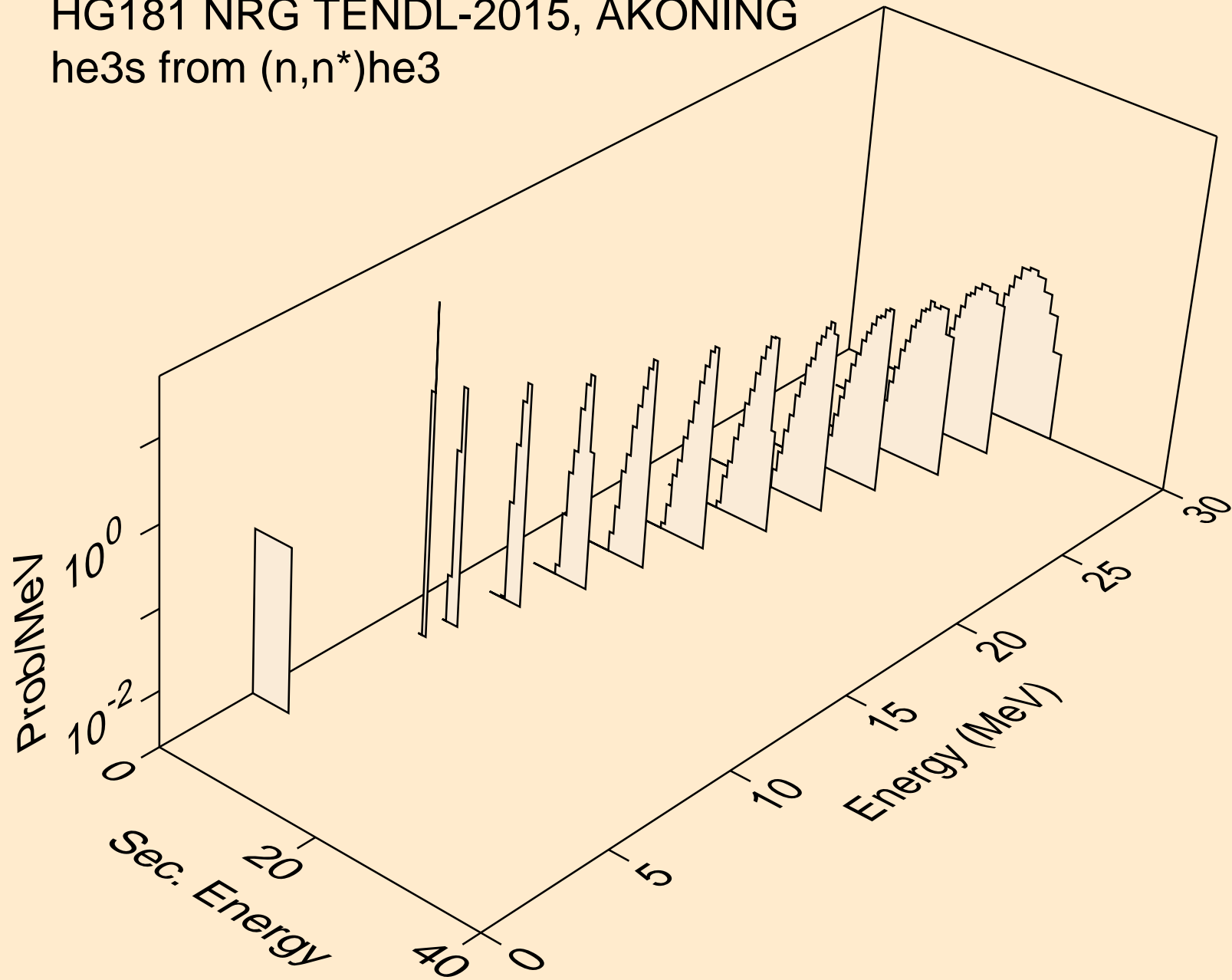
HG181 NRG TENDL-2015, AKONING  
tritons from (n,pt)



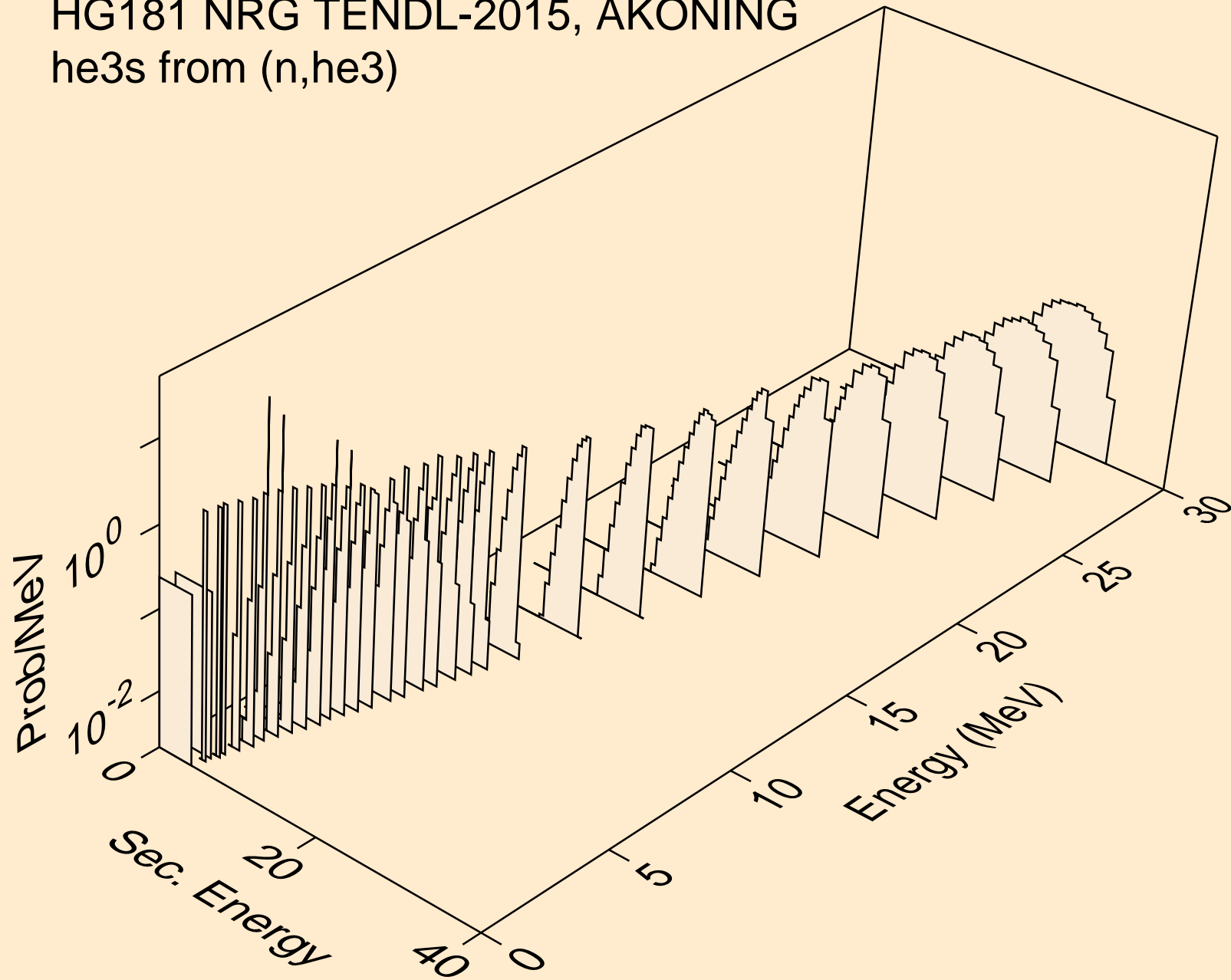
HG181 NRG TENDL-2015, AKONING  
he3s from (n,x)



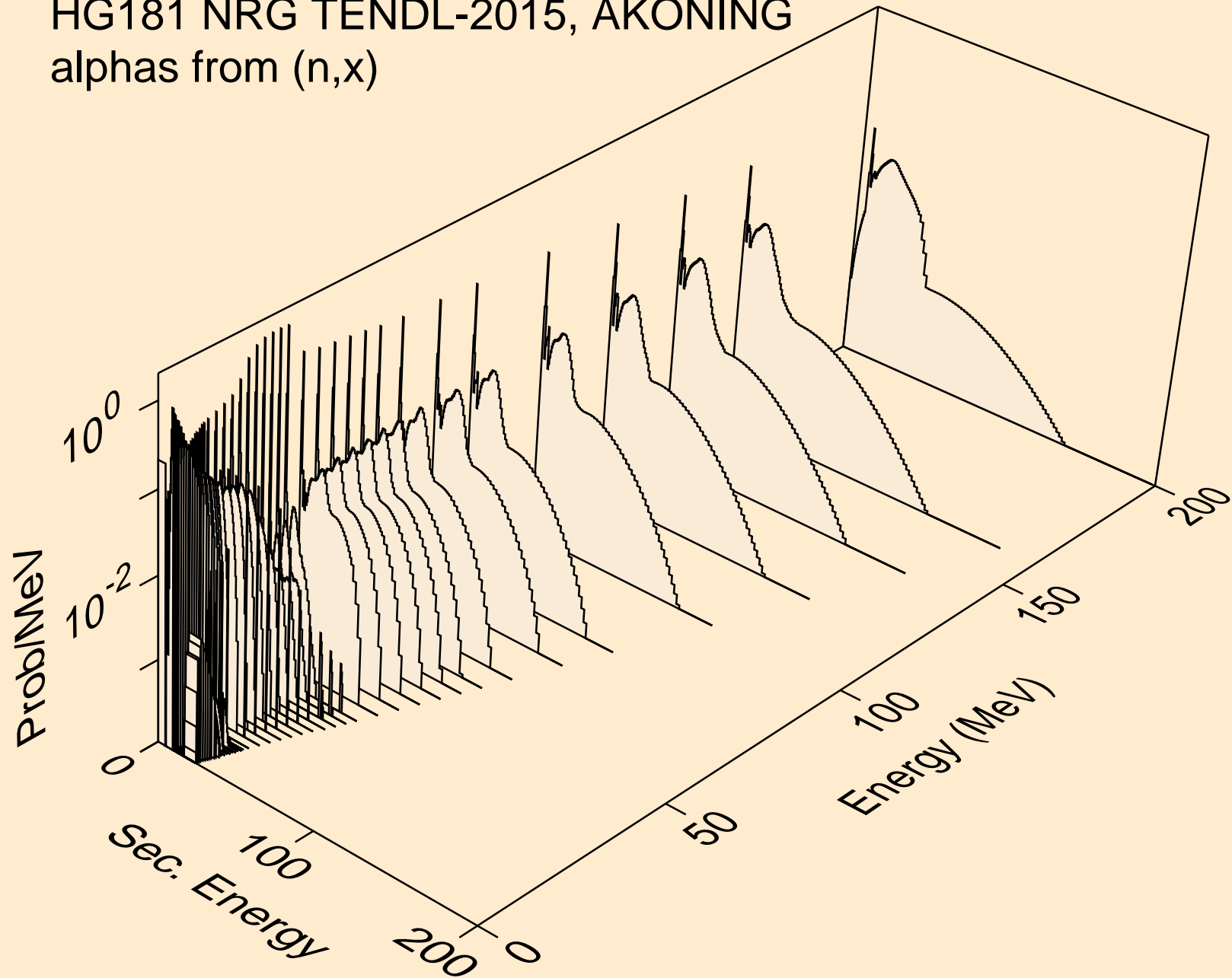
HG181 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



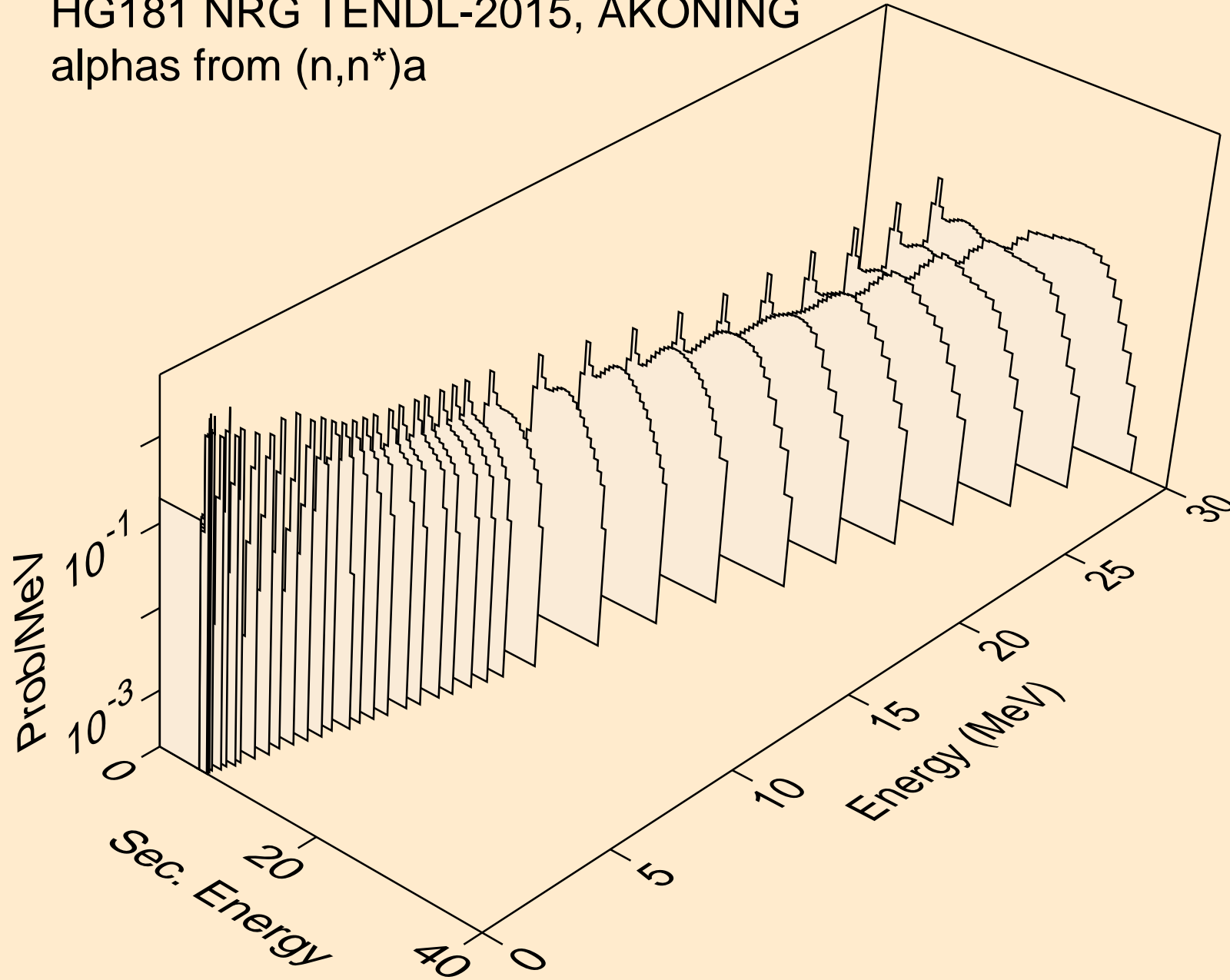
HG181 NRG TENDL-2015, AKONING  
he3s from (n,he3)



HG181 NRG TENDL-2015, AKONING  
alphas from (n,x)

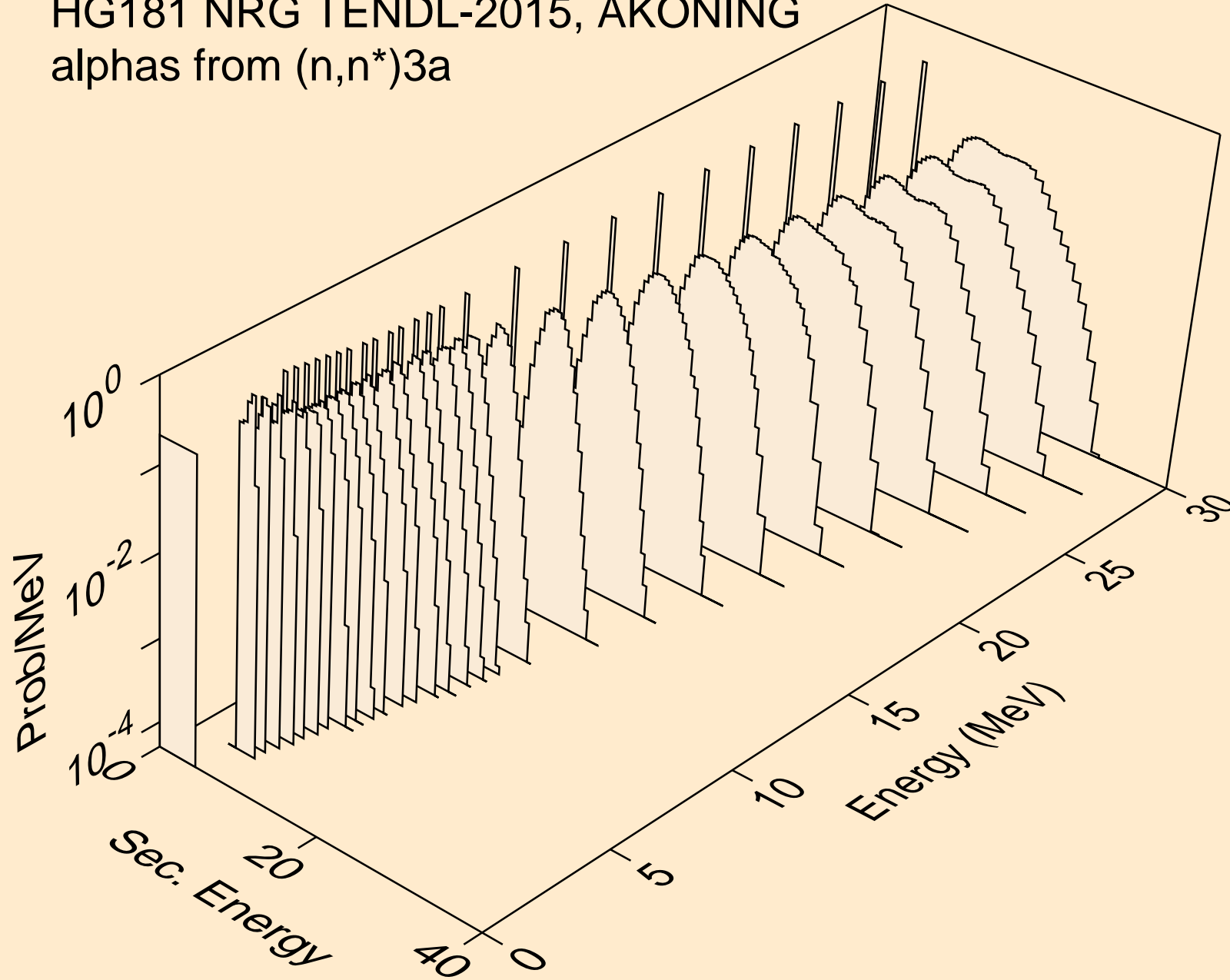


HG181 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a

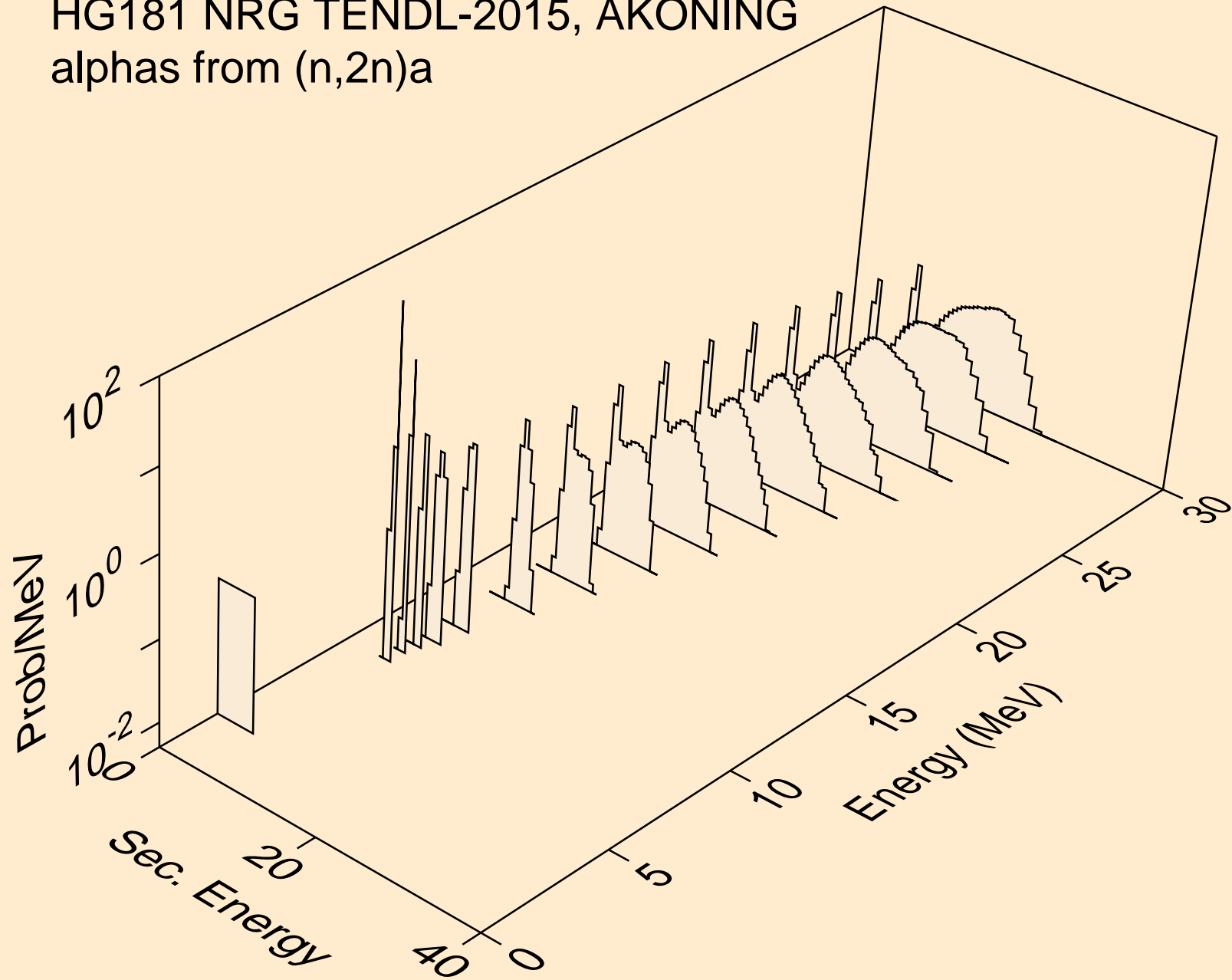




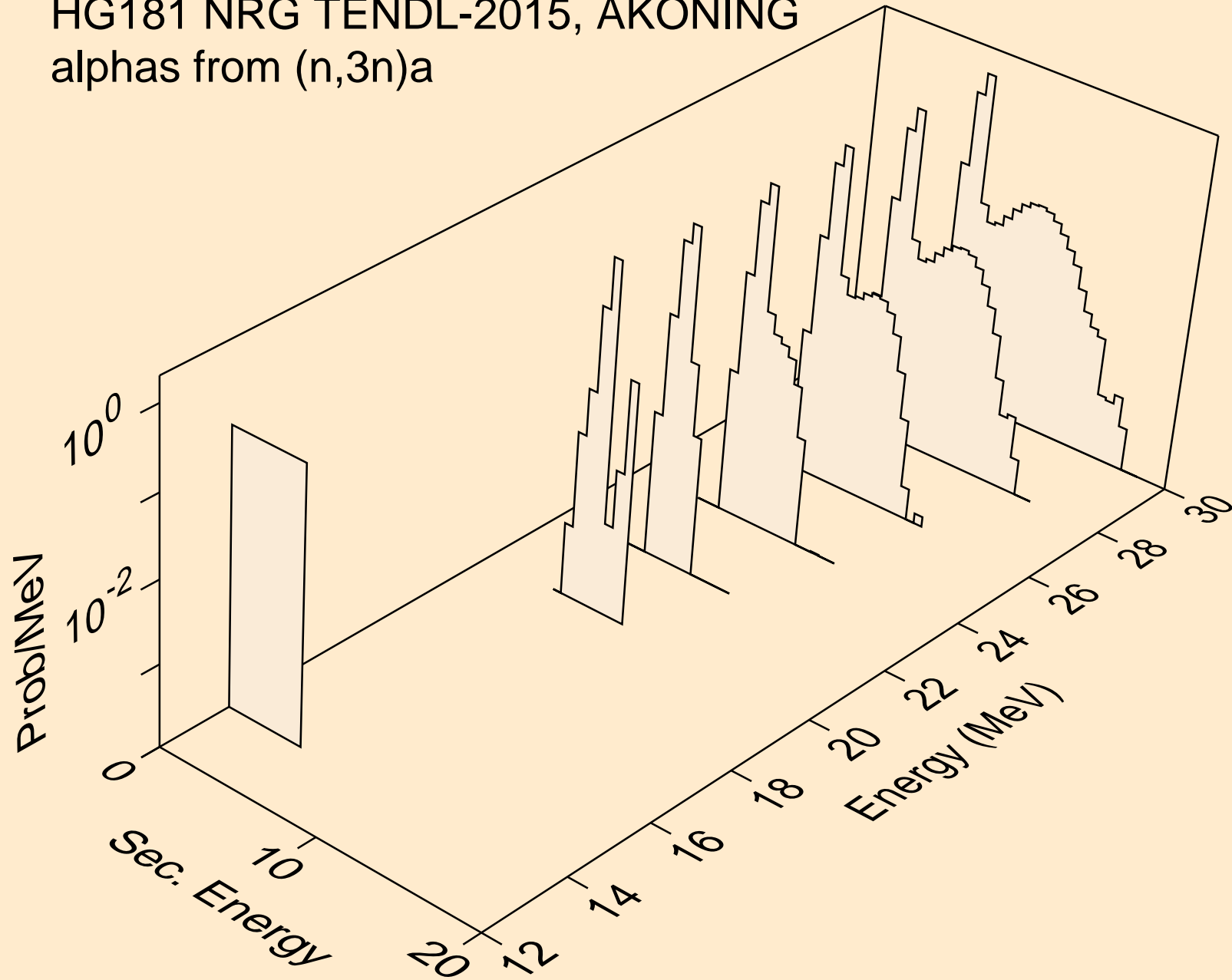
HG181 NRG TENDL-2015, AKONING  
alphas from (n,n\*)3a



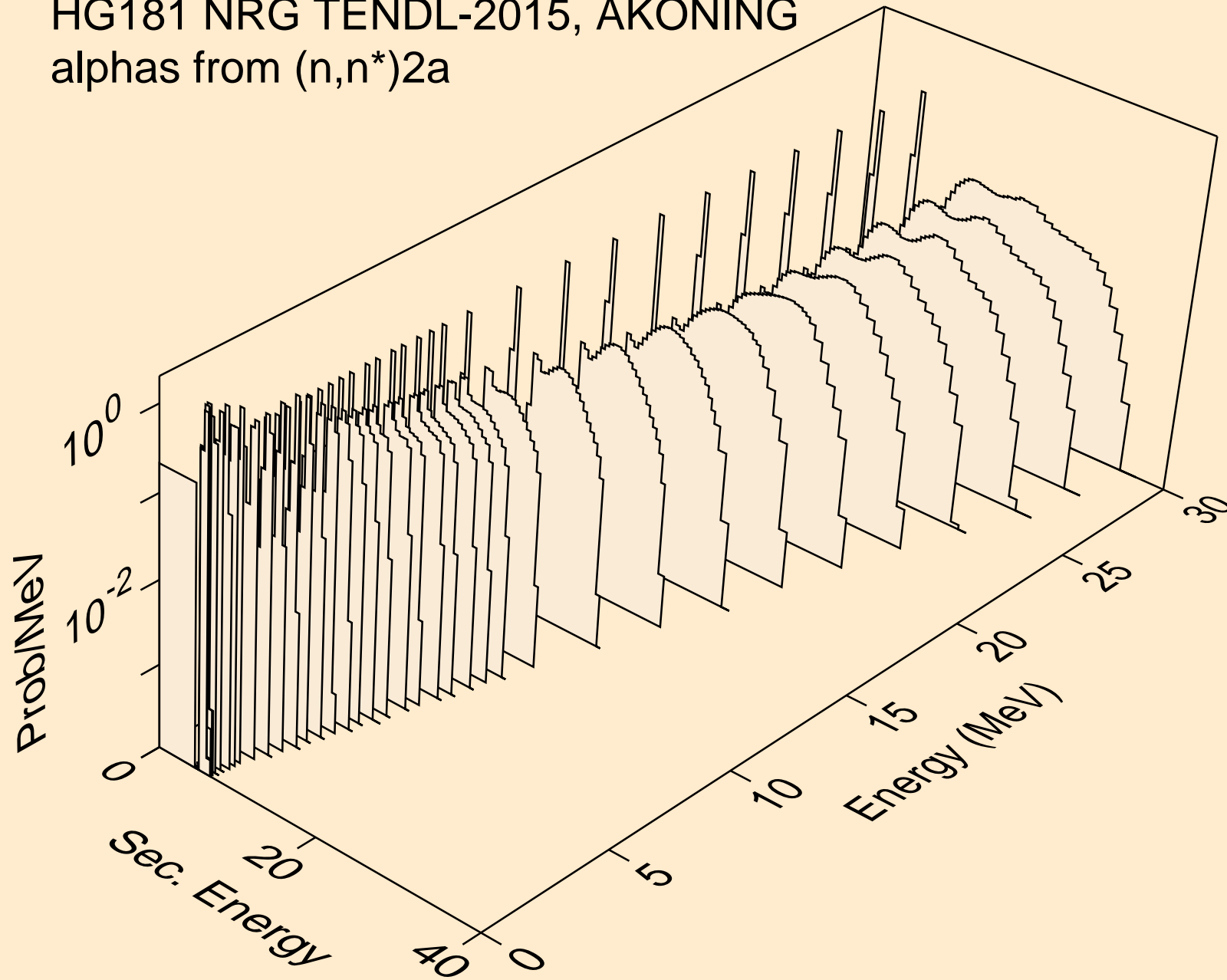
HG181 NRG TENDL-2015, AKONING  
alphas from (n,2n)a



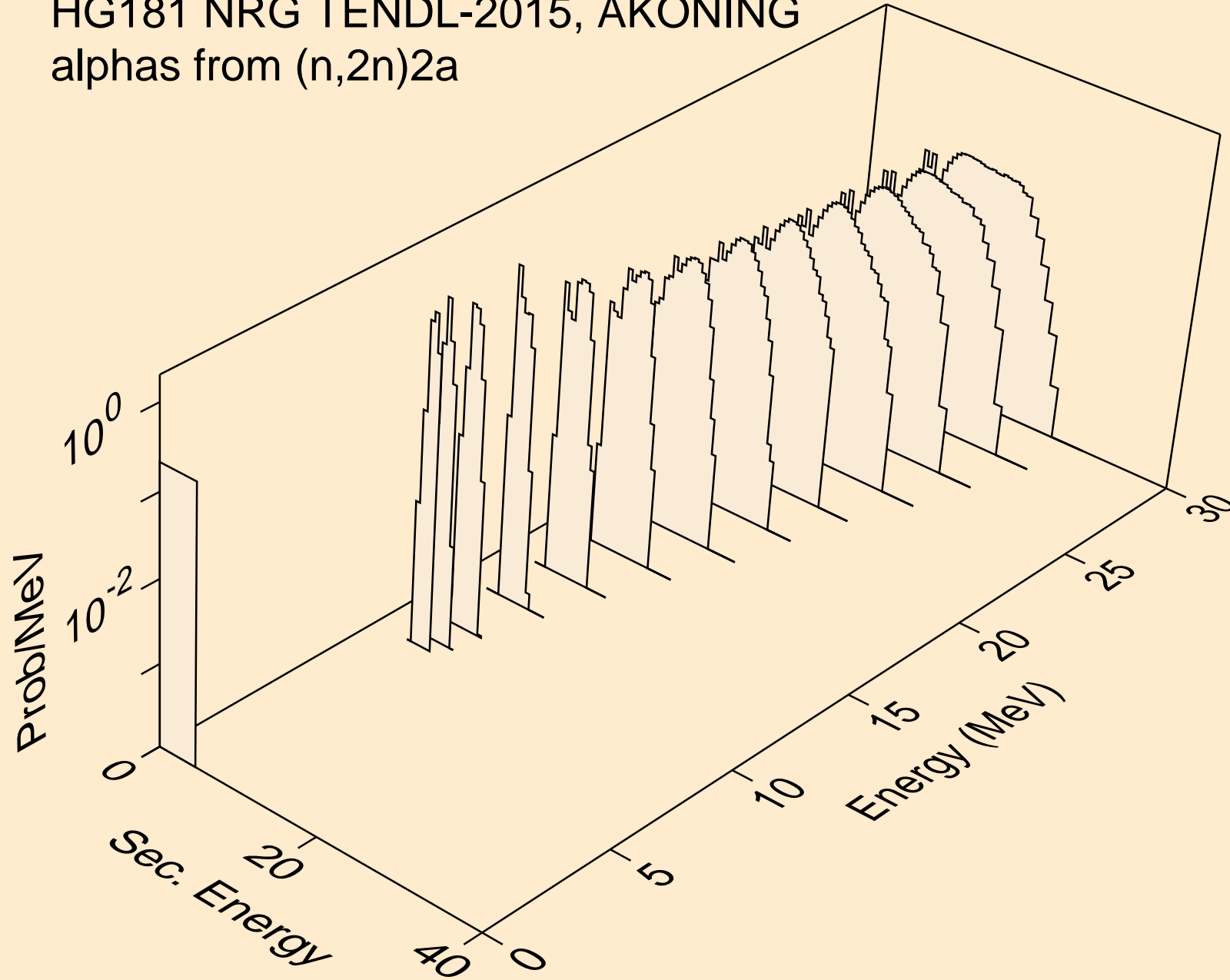
HG181 NRG TENDL-2015, AKONING  
alphas from (n,3n)a



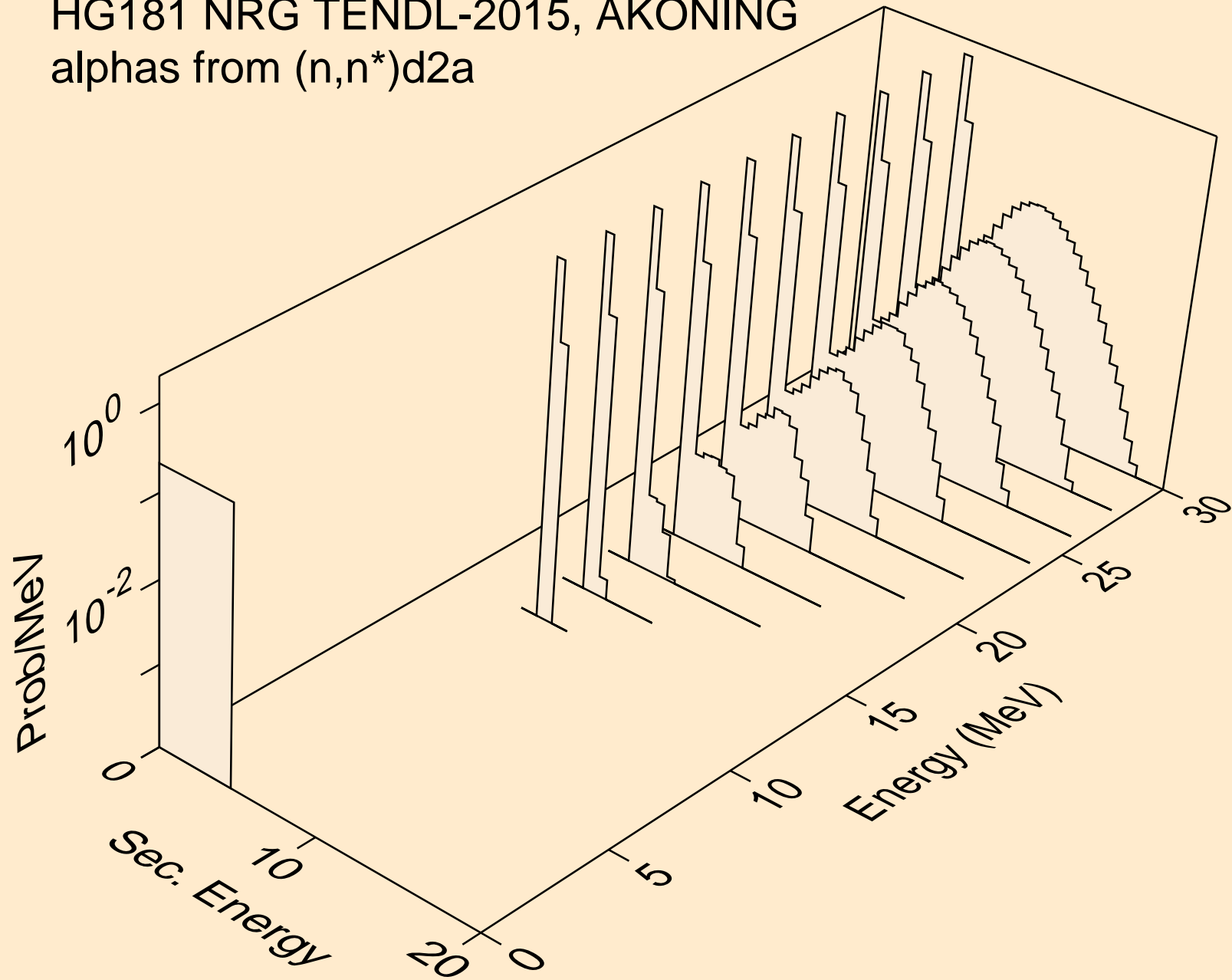
HG181 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



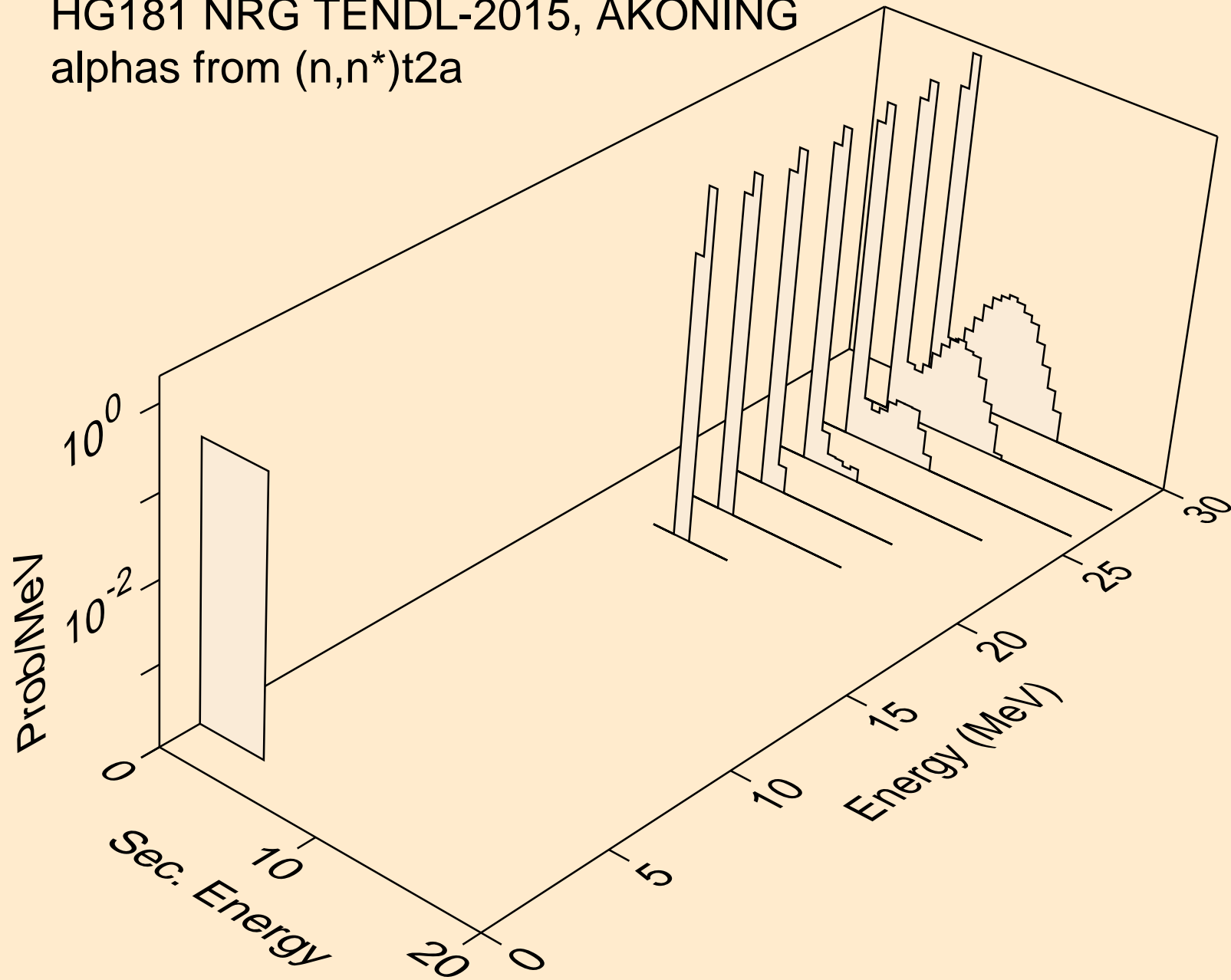
HG181 NRG TENDL-2015, AKONING  
alphas from (n,2n)2a



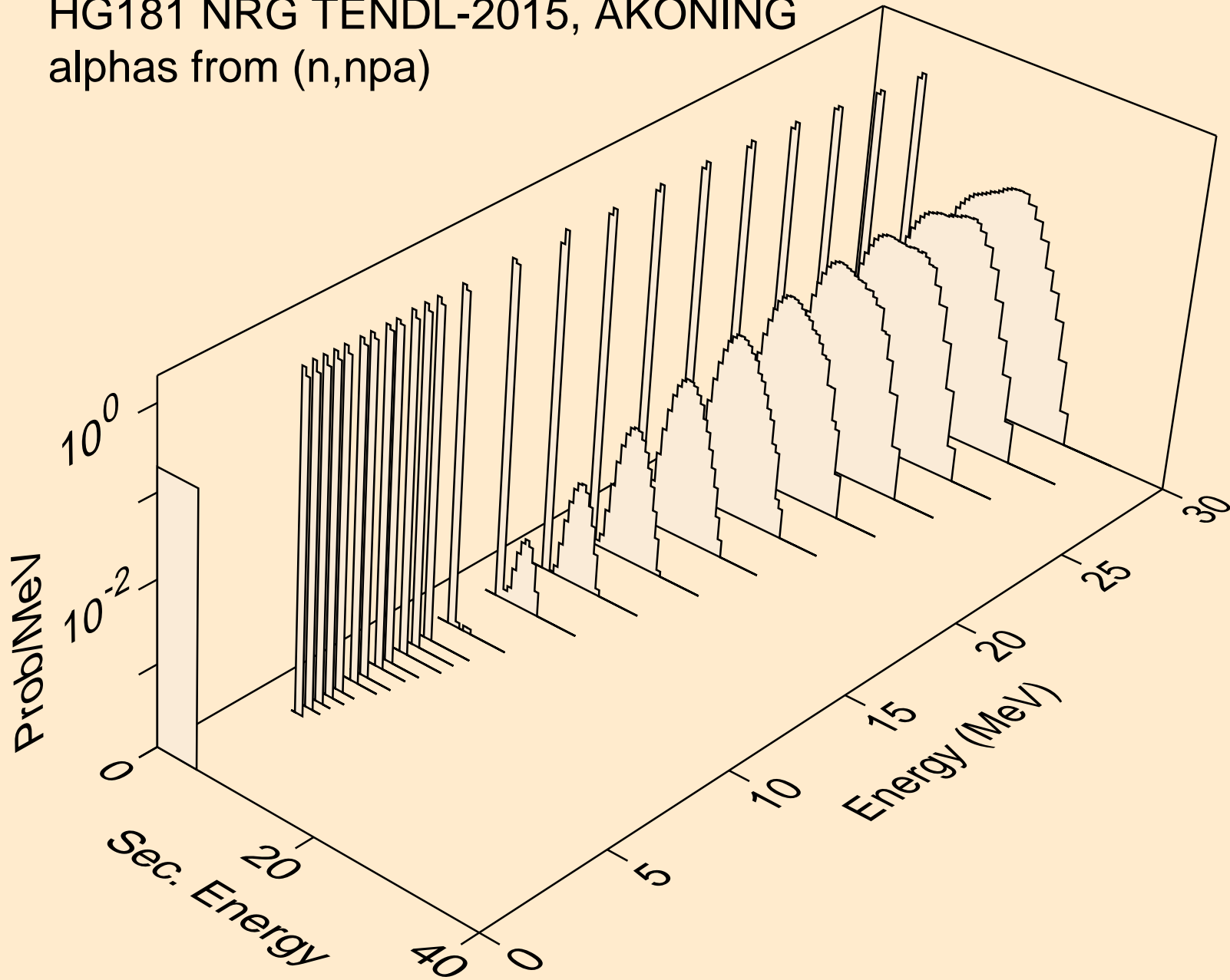
HG181 NRG TENDL-2015, AKONING  
alphas from (n,n\*)d2a



HG181 NRG TENDL-2015, AKONING  
alphas from (n,n\*)t2a

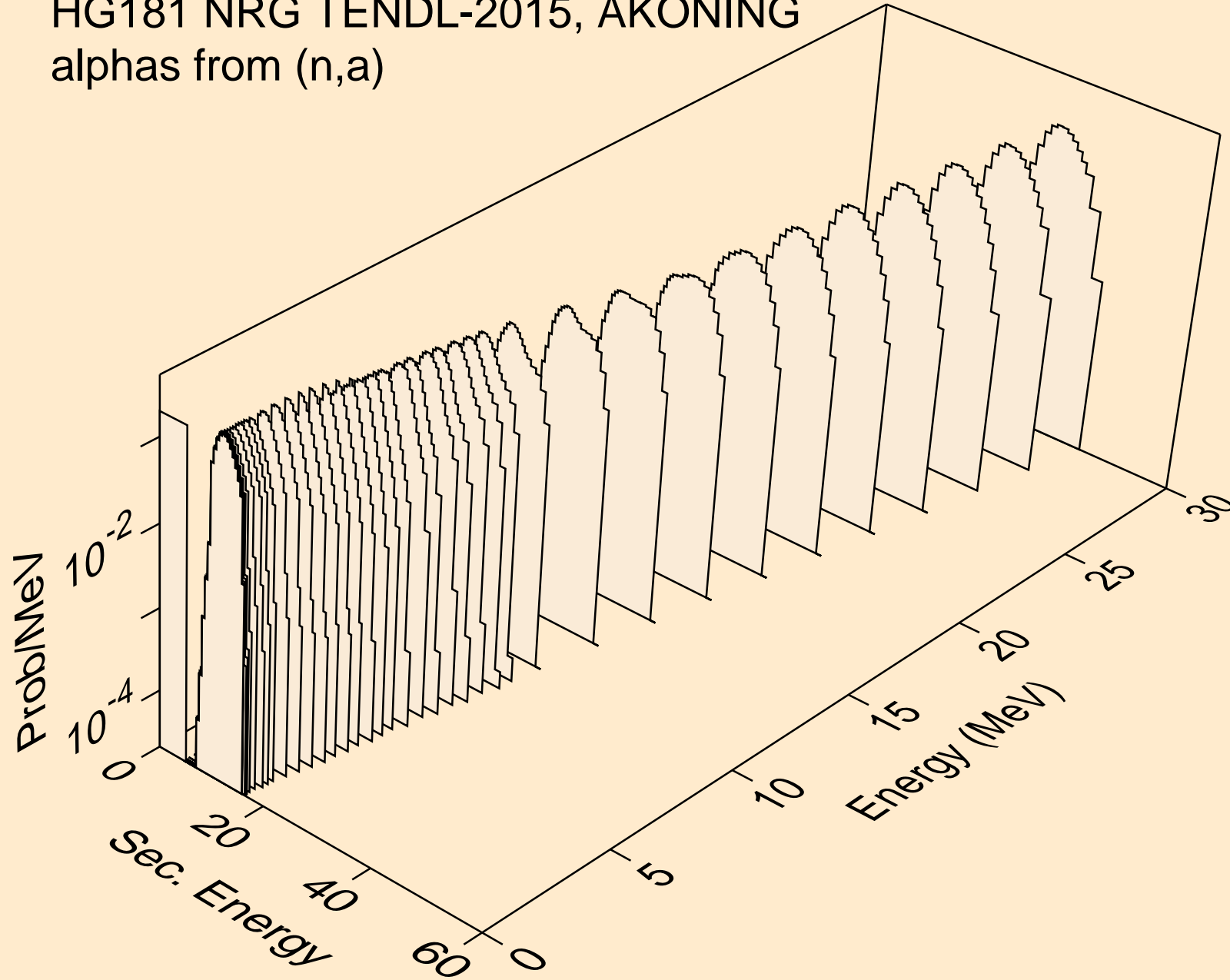


HG181 NRG TENDL-2015, AKONING  
alphas from (n,npa)

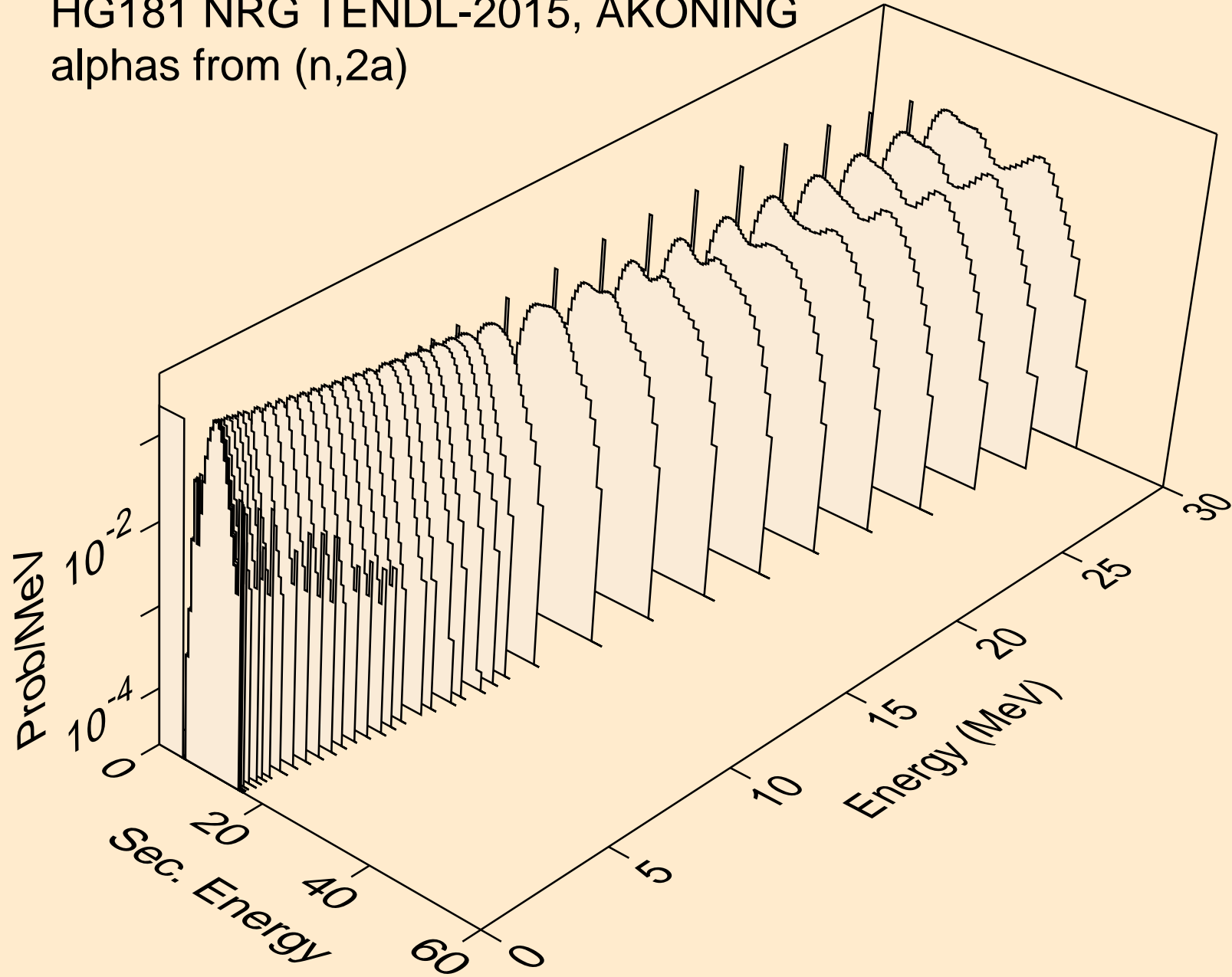




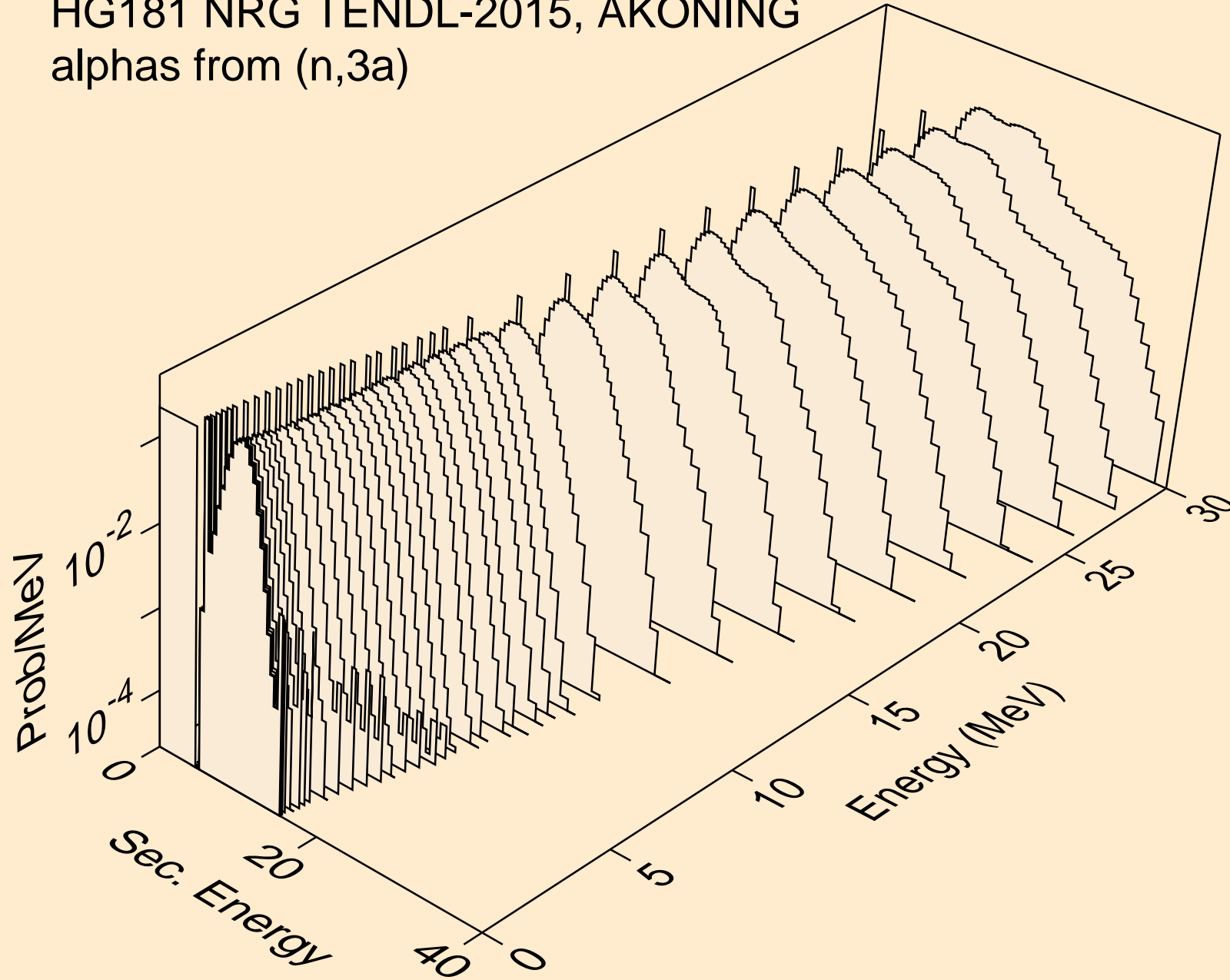
HG181 NRG TENDL-2015, AKONING  
alphas from (n,a)



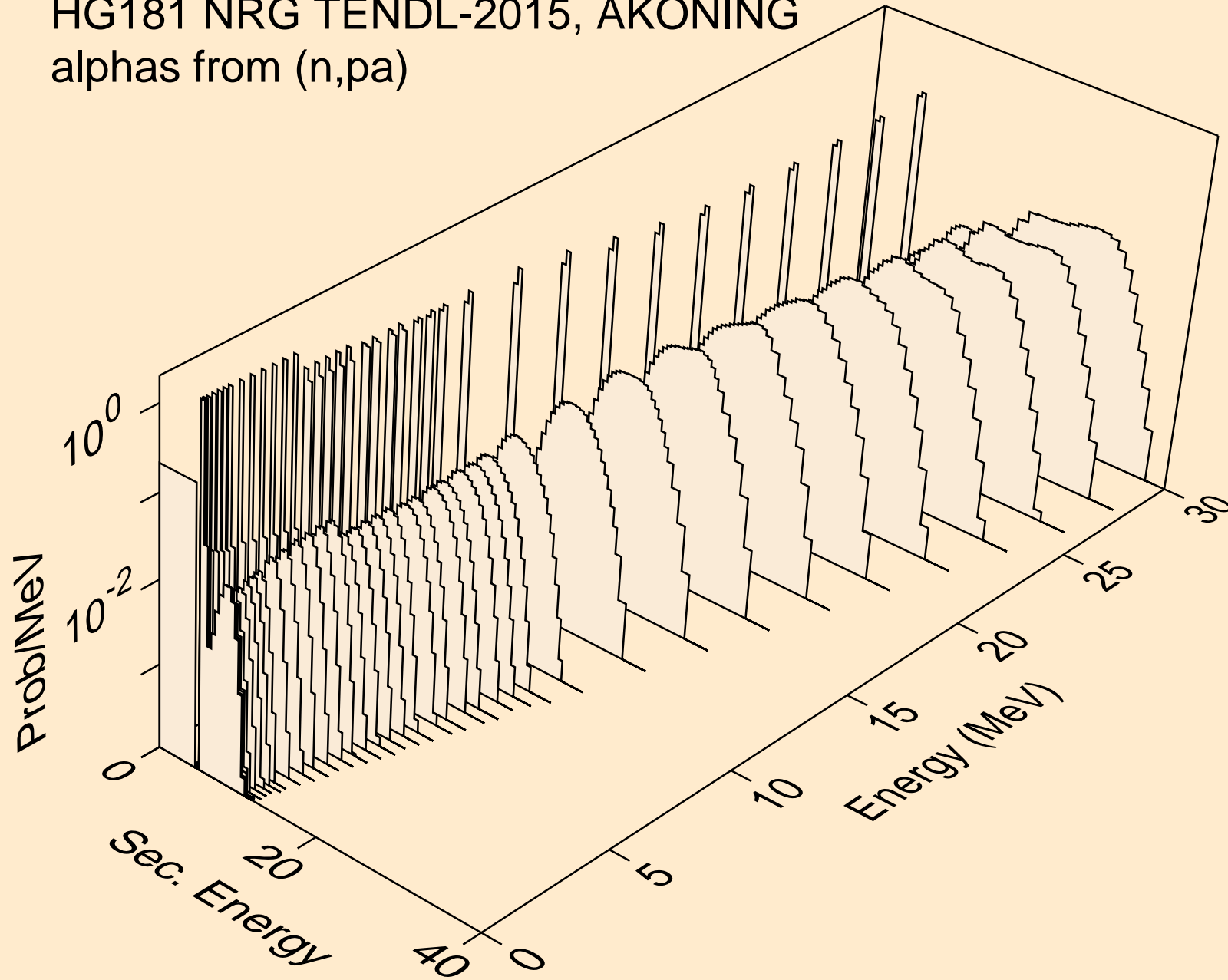
HG181 NRG TENDL-2015, AKONING  
alphas from (n,2a)



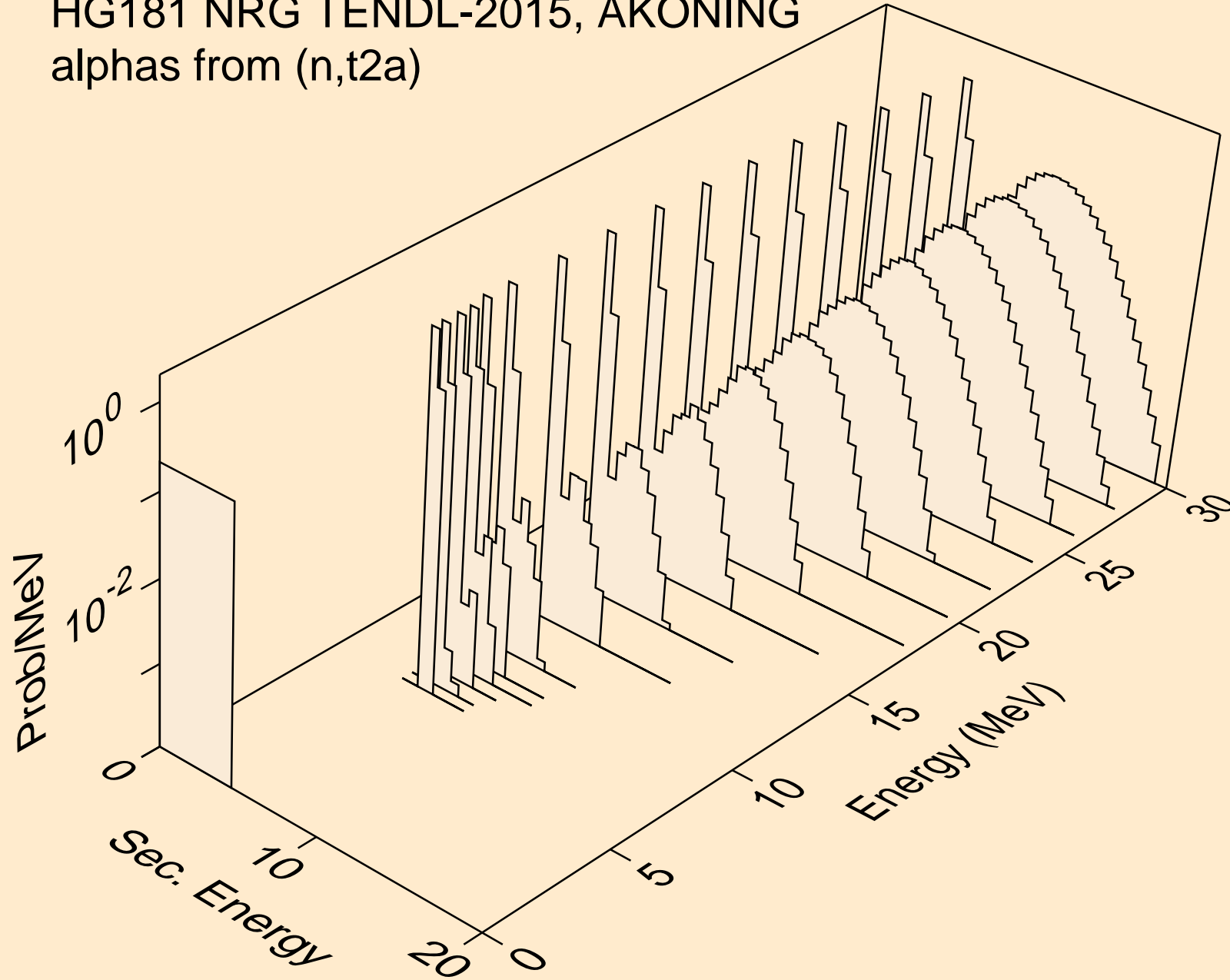
HG181 NRG TENDL-2015, AKONING  
alphas from (n,3a)



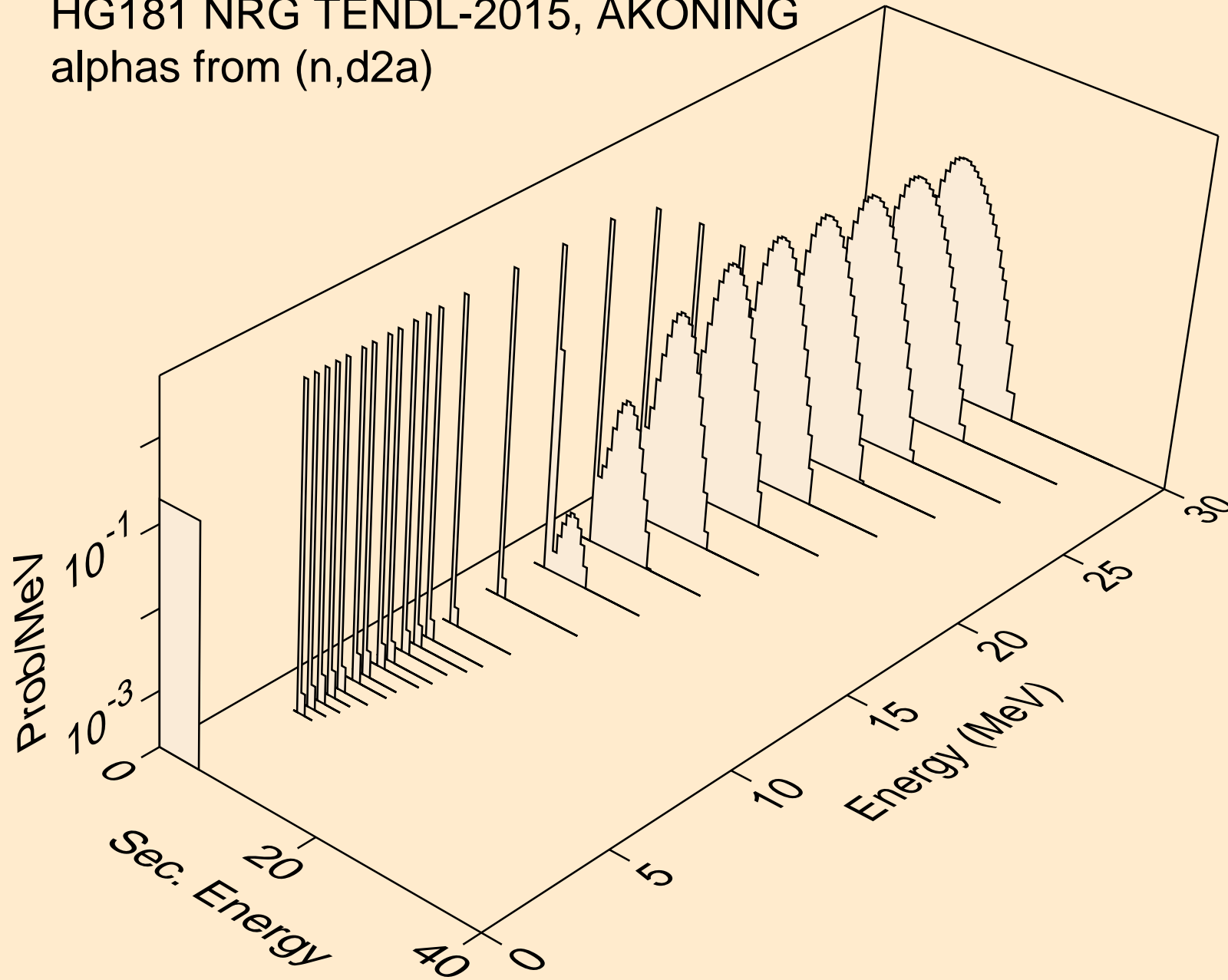
HG181 NRG TENDL-2015, AKONING  
alphas from (n,pa)



HG181 NRG TENDL-2015, AKONING  
alphas from (n,t2a)



HG181 NRG TENDL-2015, AKONING  
alphas from (n,d2a)



HG181 NRG TENDL-2015, AKONING  
alphas from (n,da)

