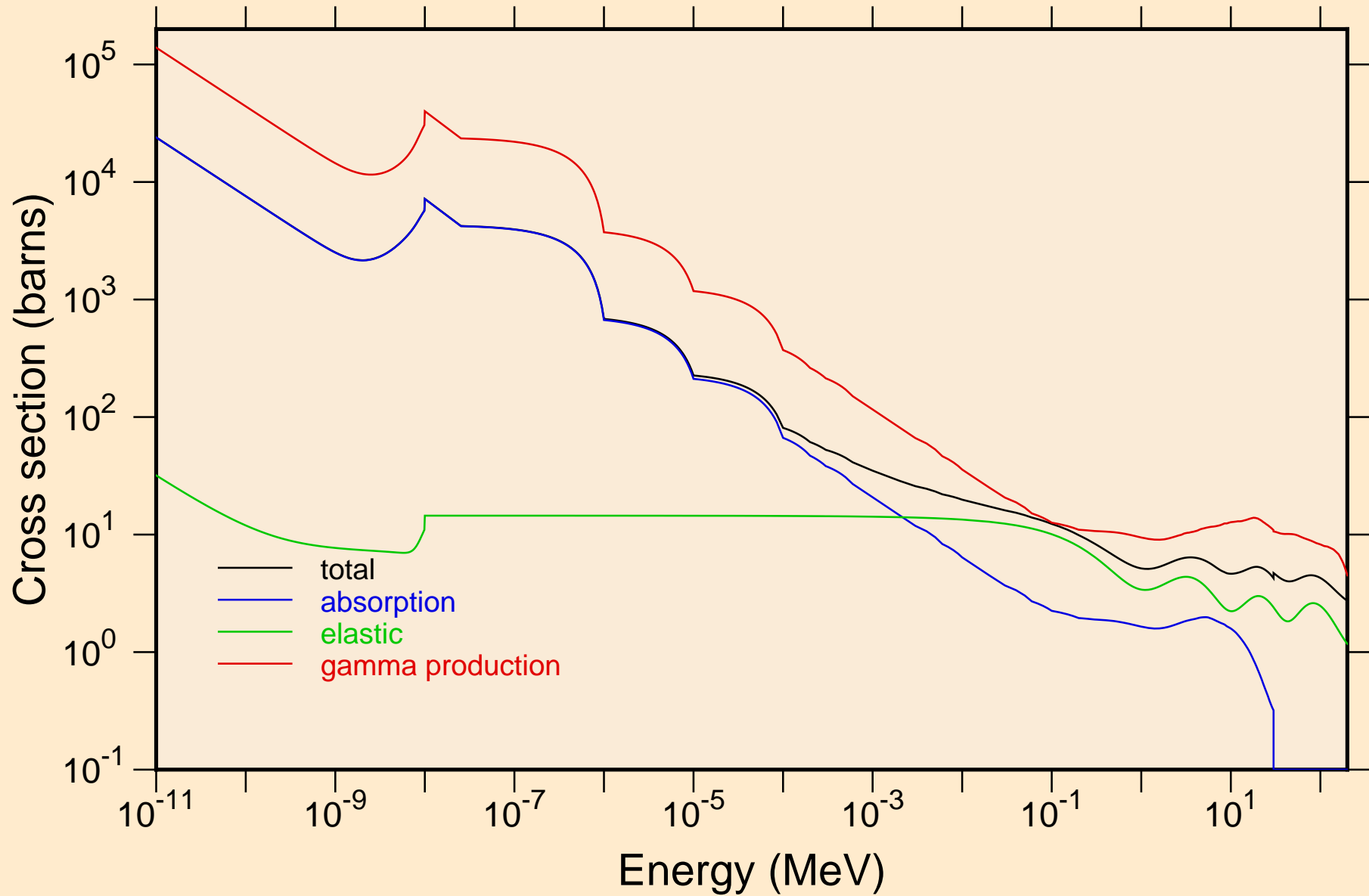


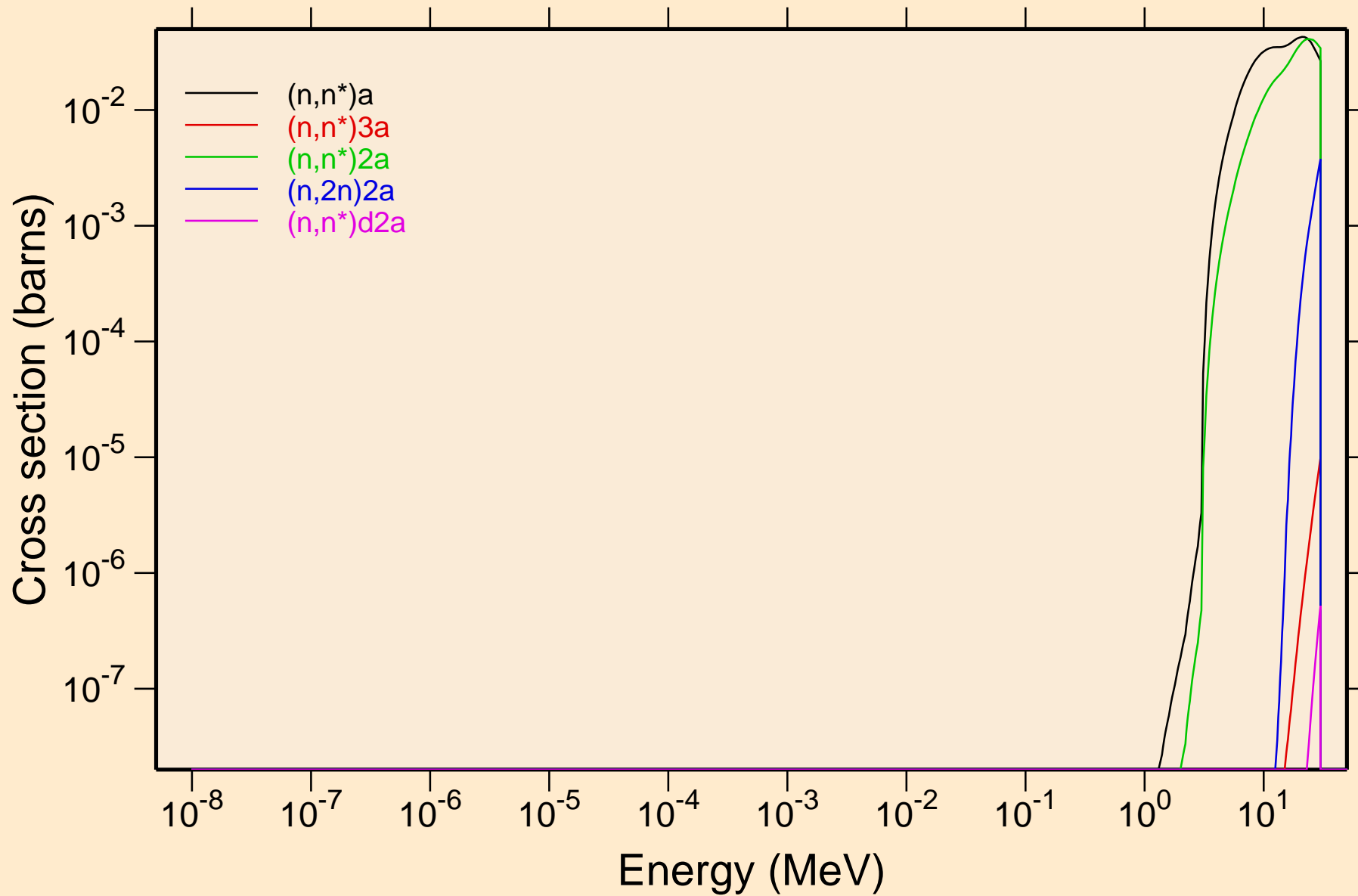
# HG179 NRG TENDL-2015, AKONING

## Principal cross sections



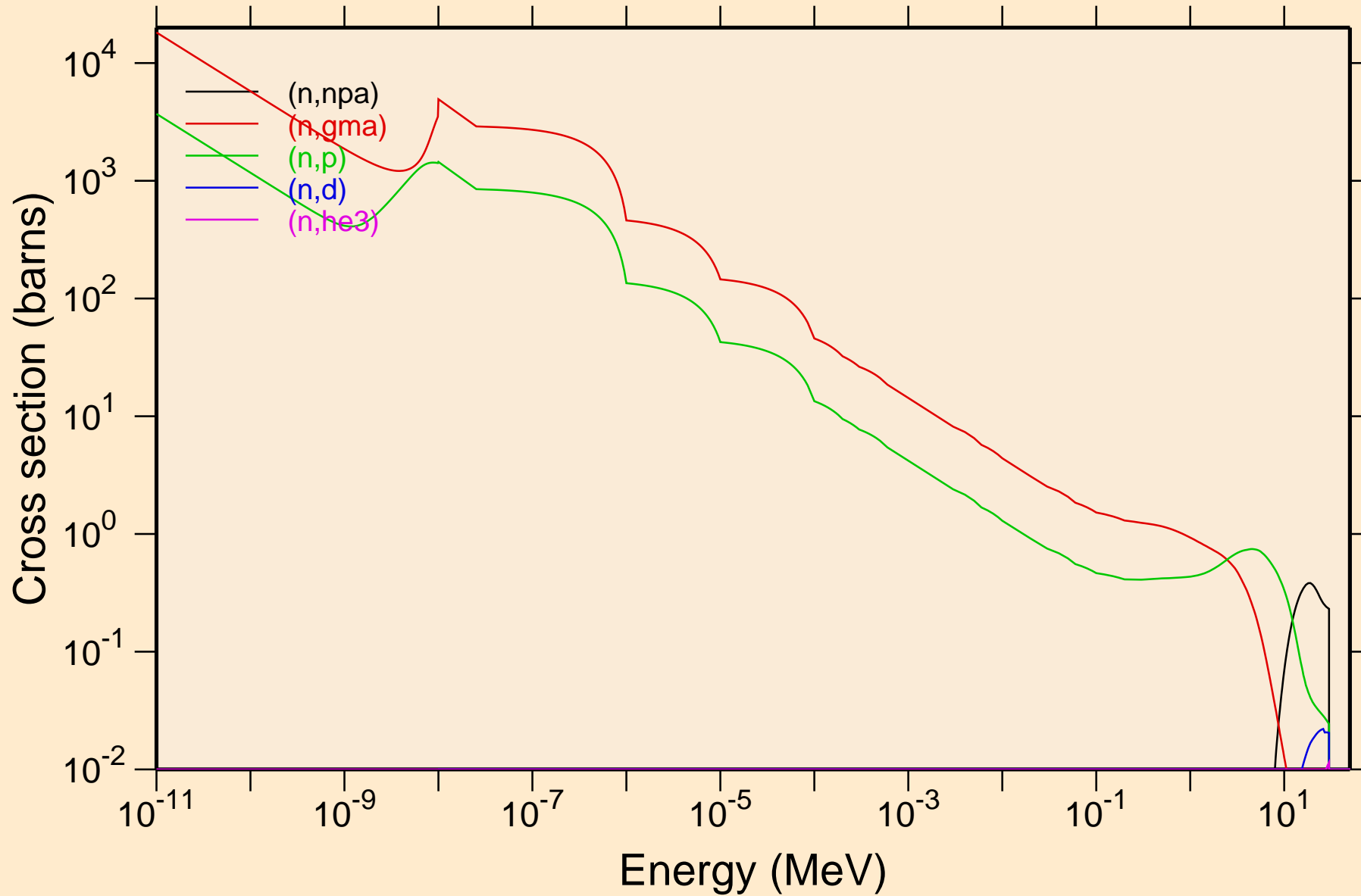
# HG179 NRG TENDL-2015, AKONING

## Non-threshold reactions



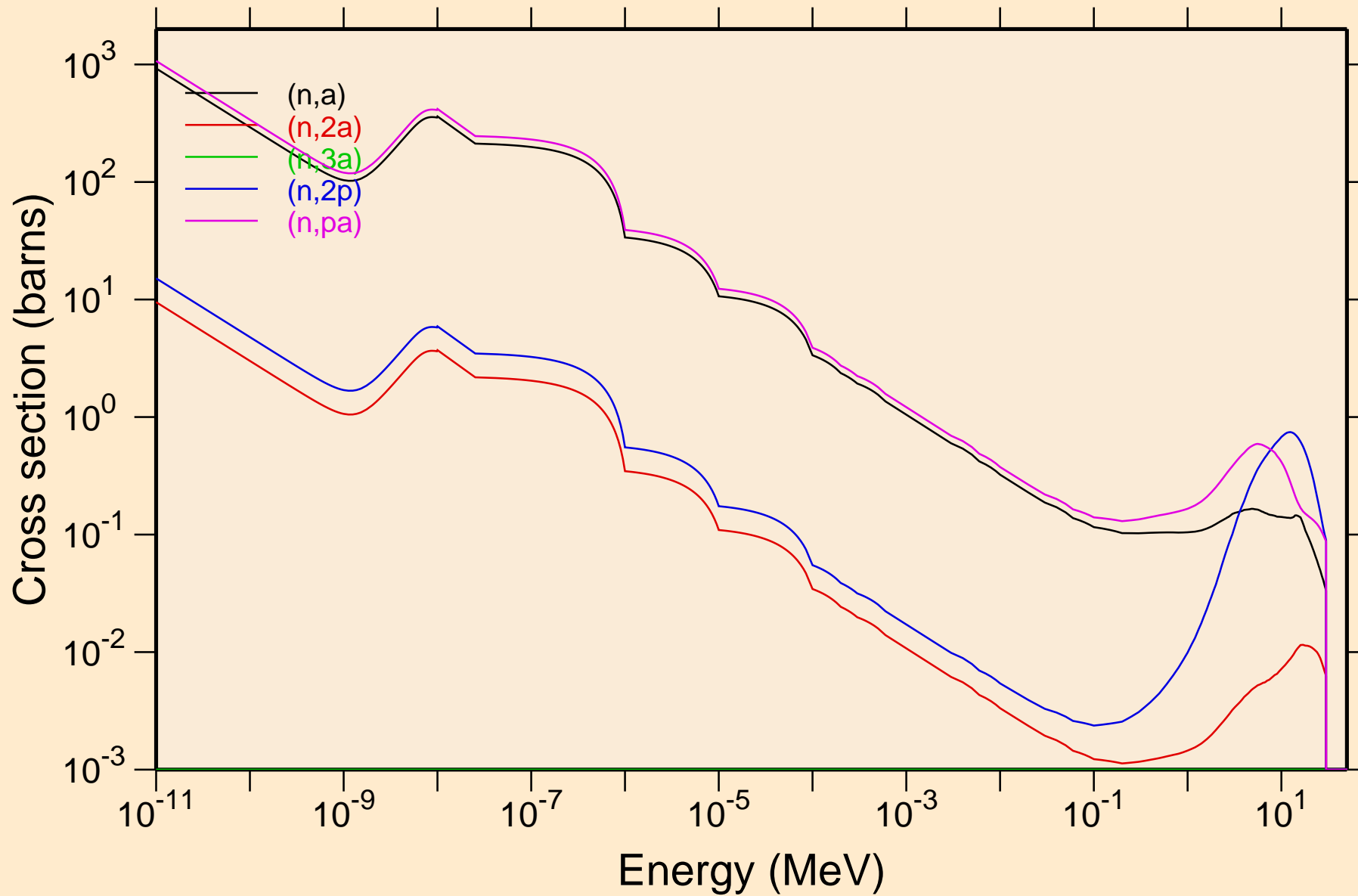
# HG179 NRG TENDL-2015, AKONING

## Non-threshold reactions



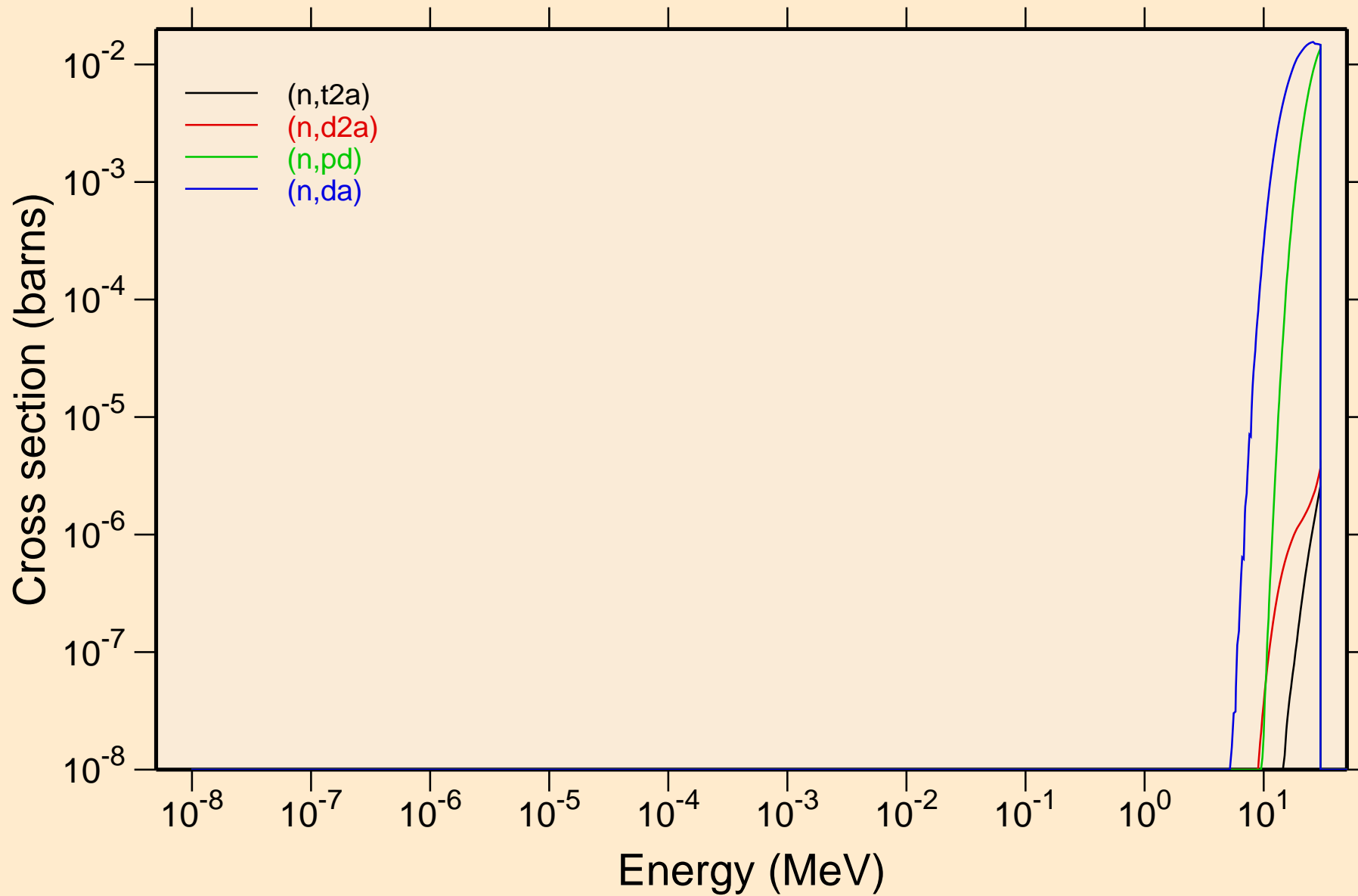
# HG179 NRG TENDL-2015, AKONING

## Non-threshold reactions



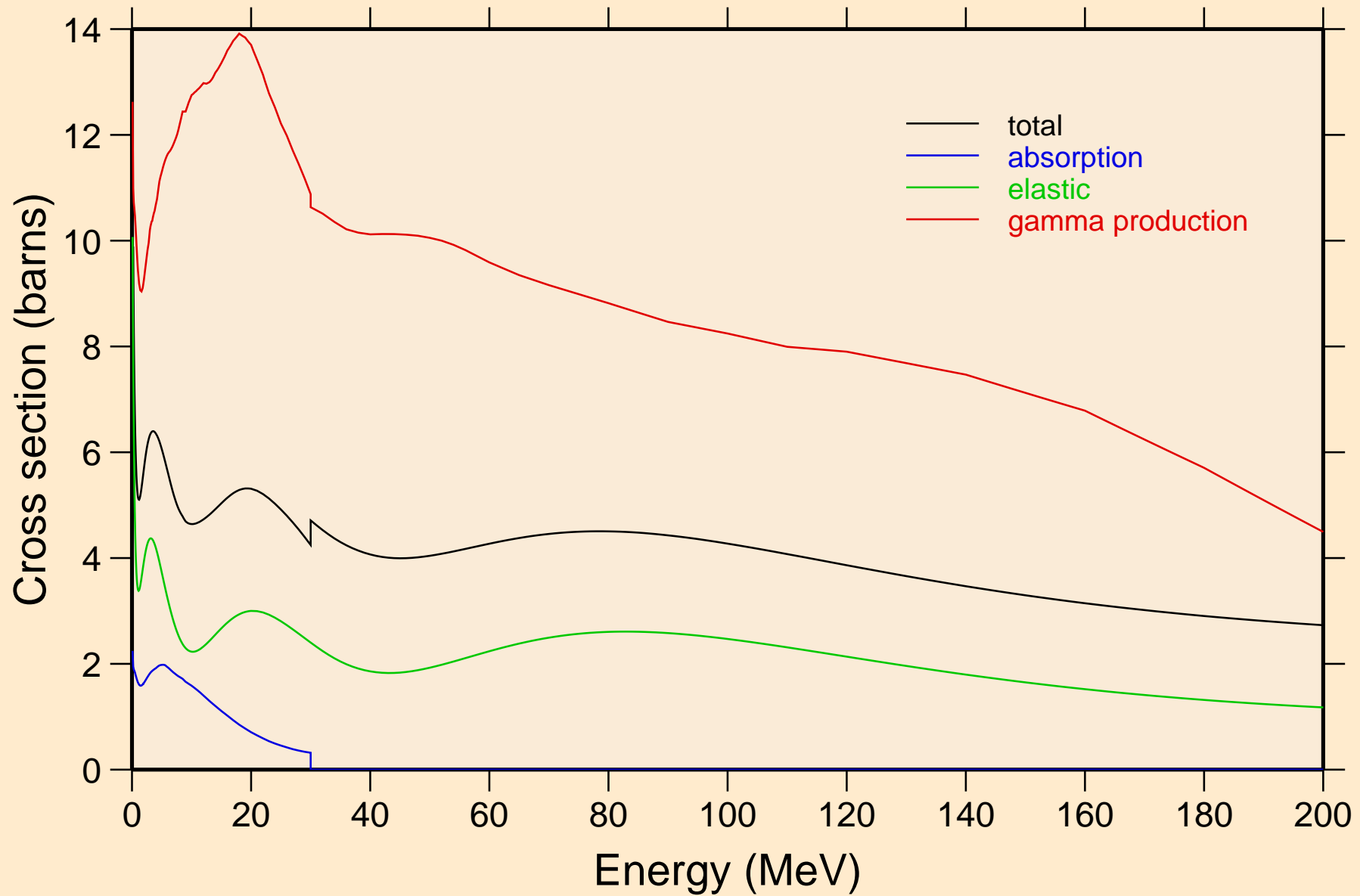
# HG179 NRG TENDL-2015, AKONING

## Non-threshold reactions



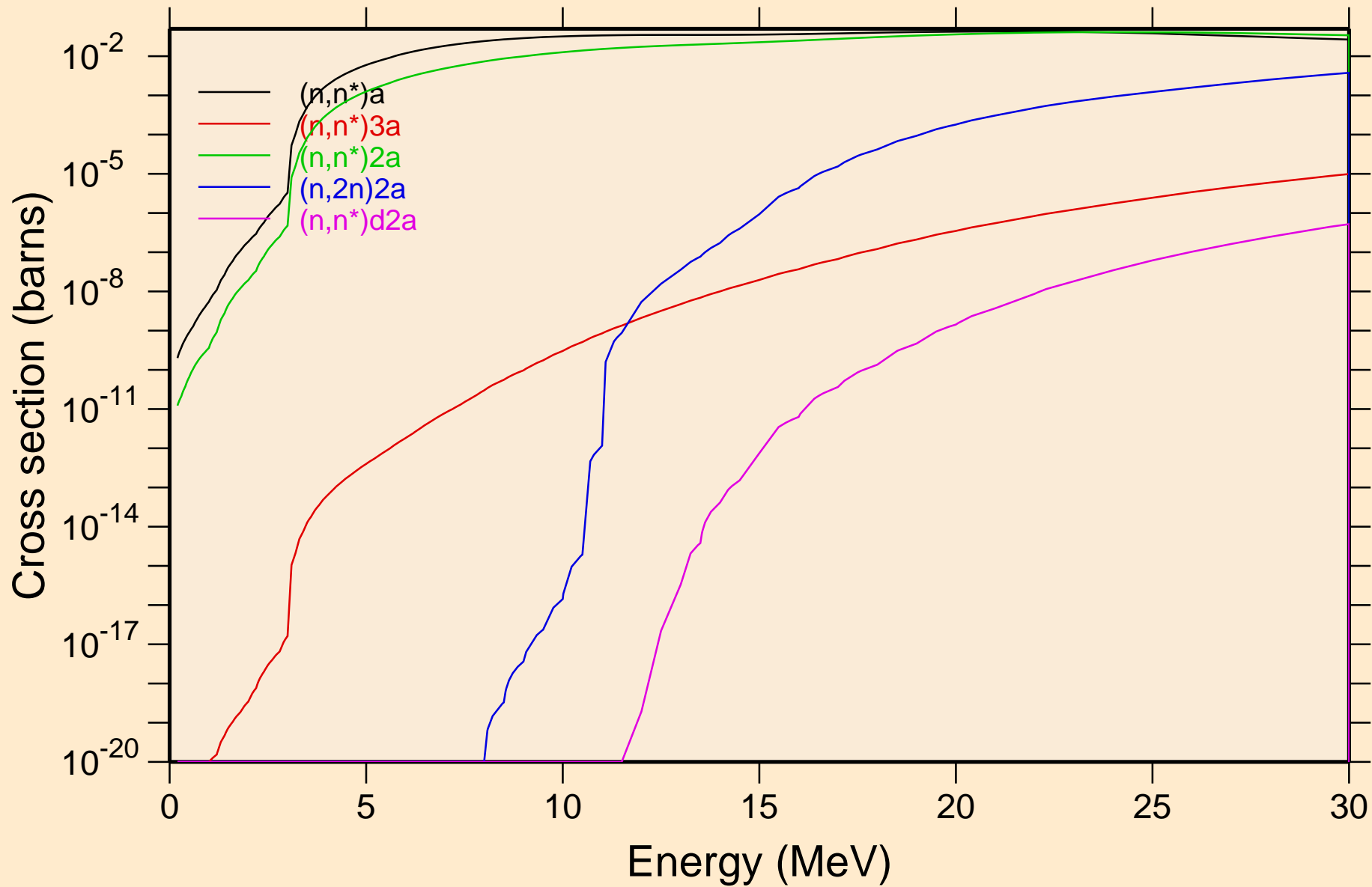
# HG179 NRG TENDL-2015, AKONING

## Principal cross sections



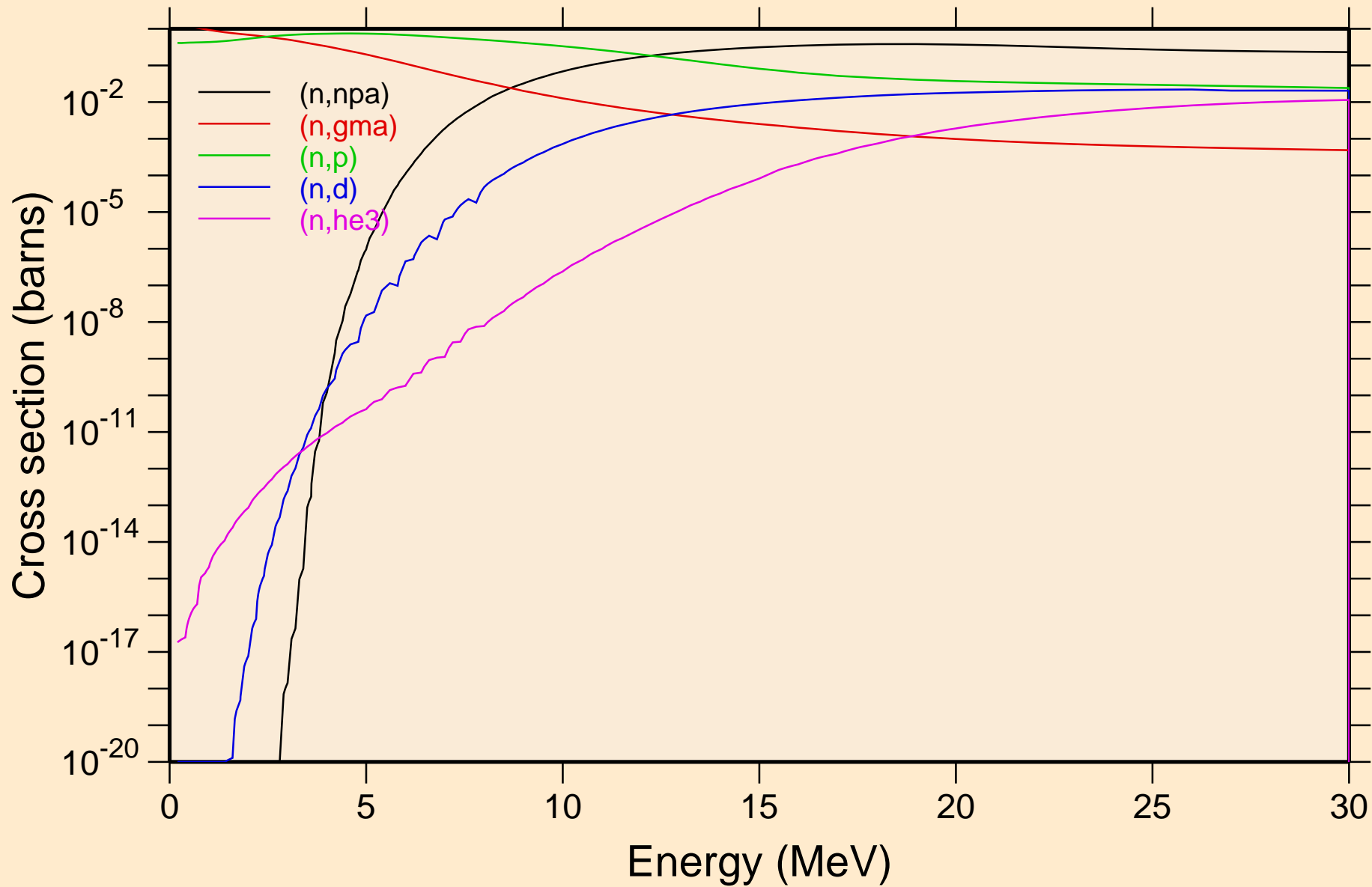
# HG179 NRG TENDL-2015, AKONING

## Non-threshold reactions



# HG179 NRG TENDL-2015, AKONING

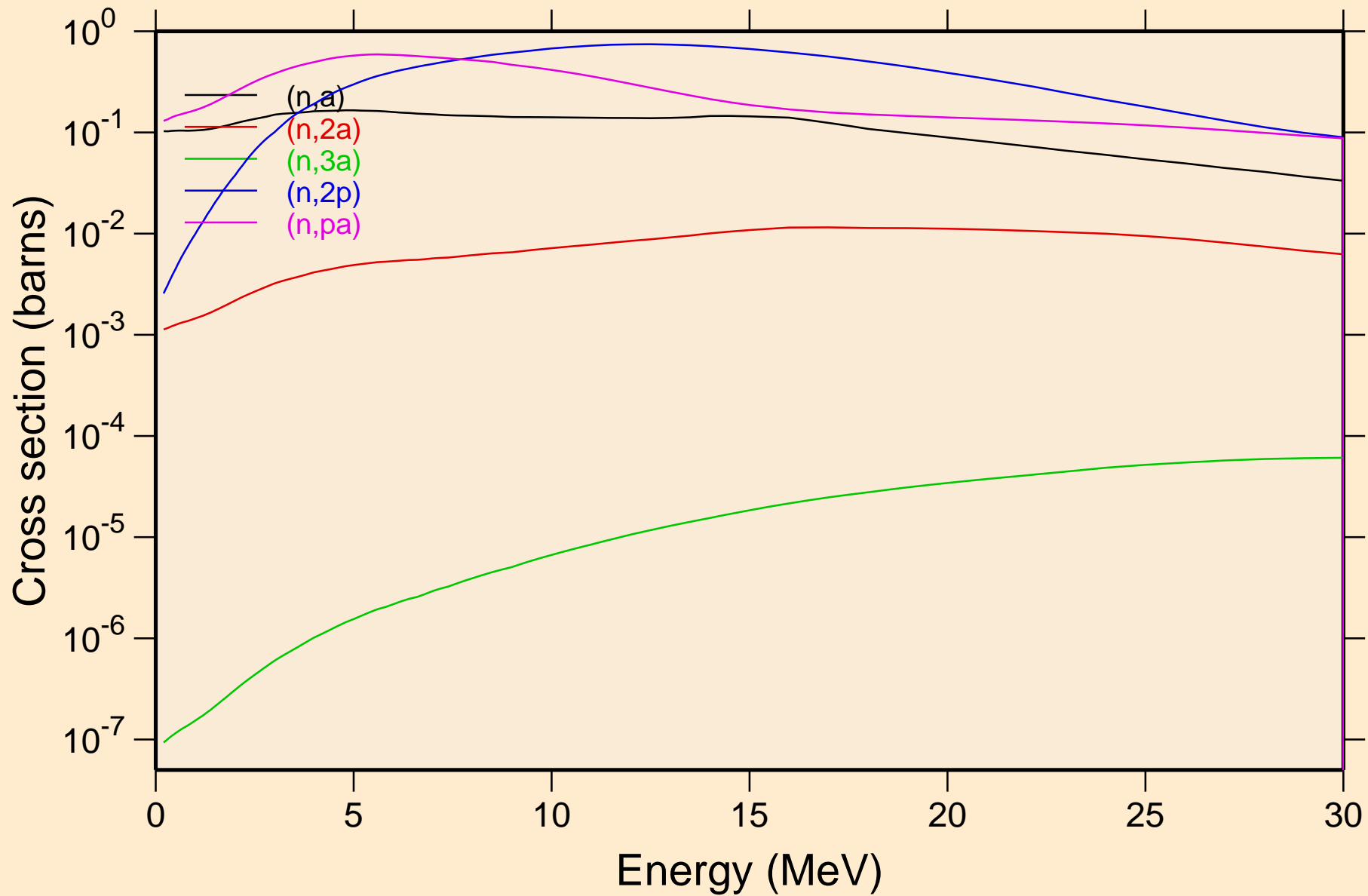
## Non-threshold reactions





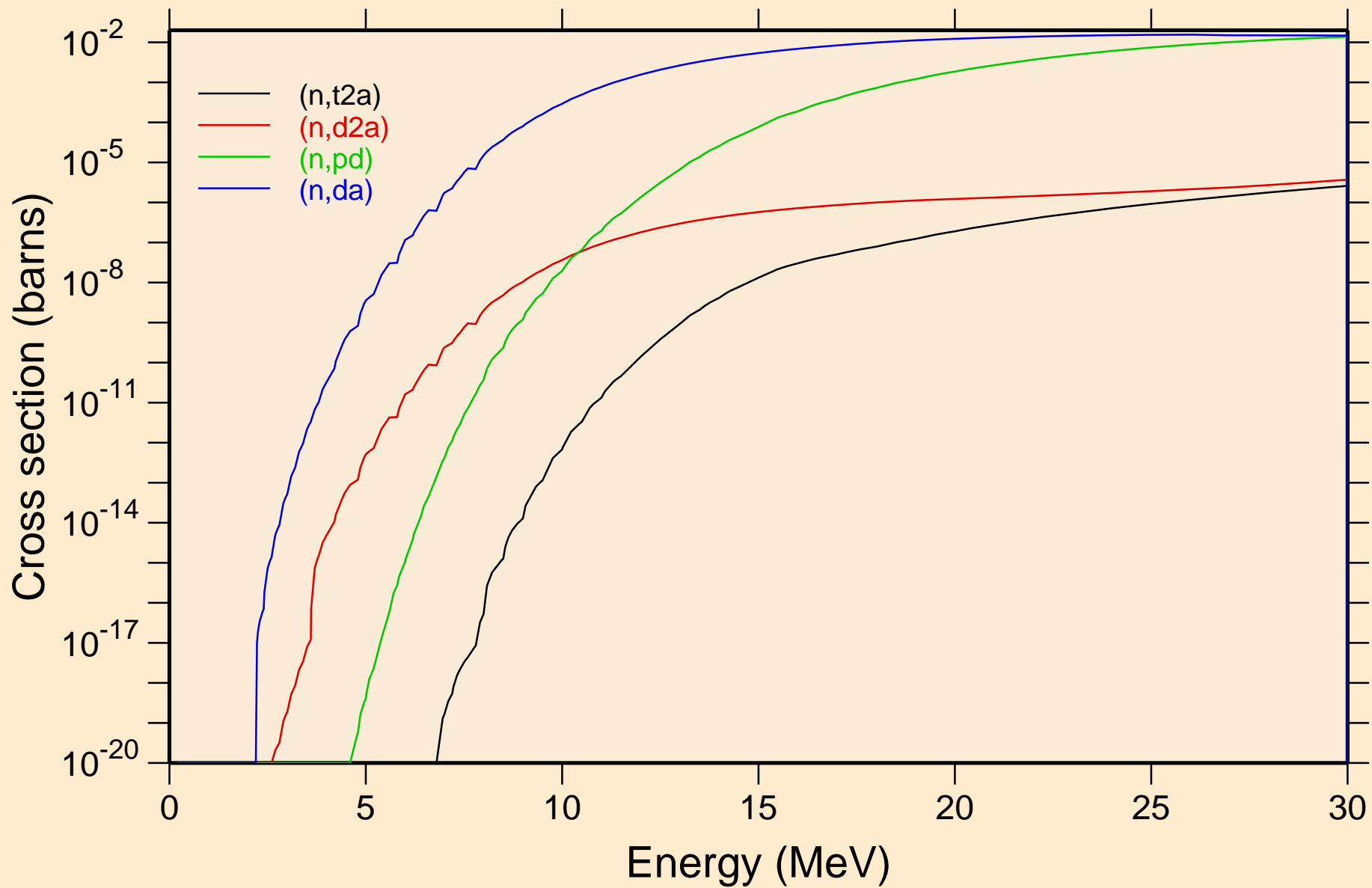
# HG179 NRG TENDL-2015, AKONING

## Non-threshold reactions



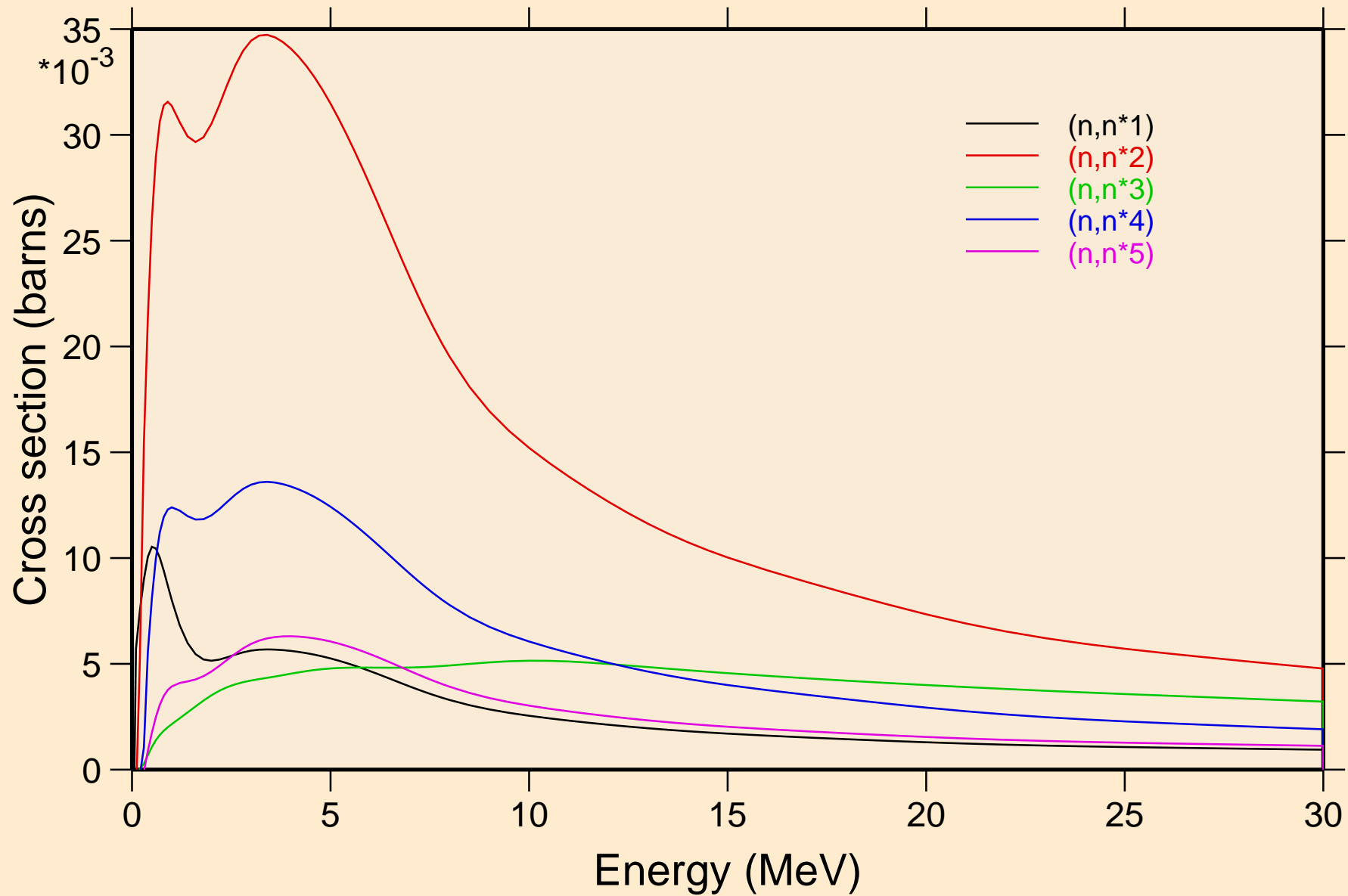
# HG179 NRG TENDL-2015, AKONING

## Non-threshold reactions



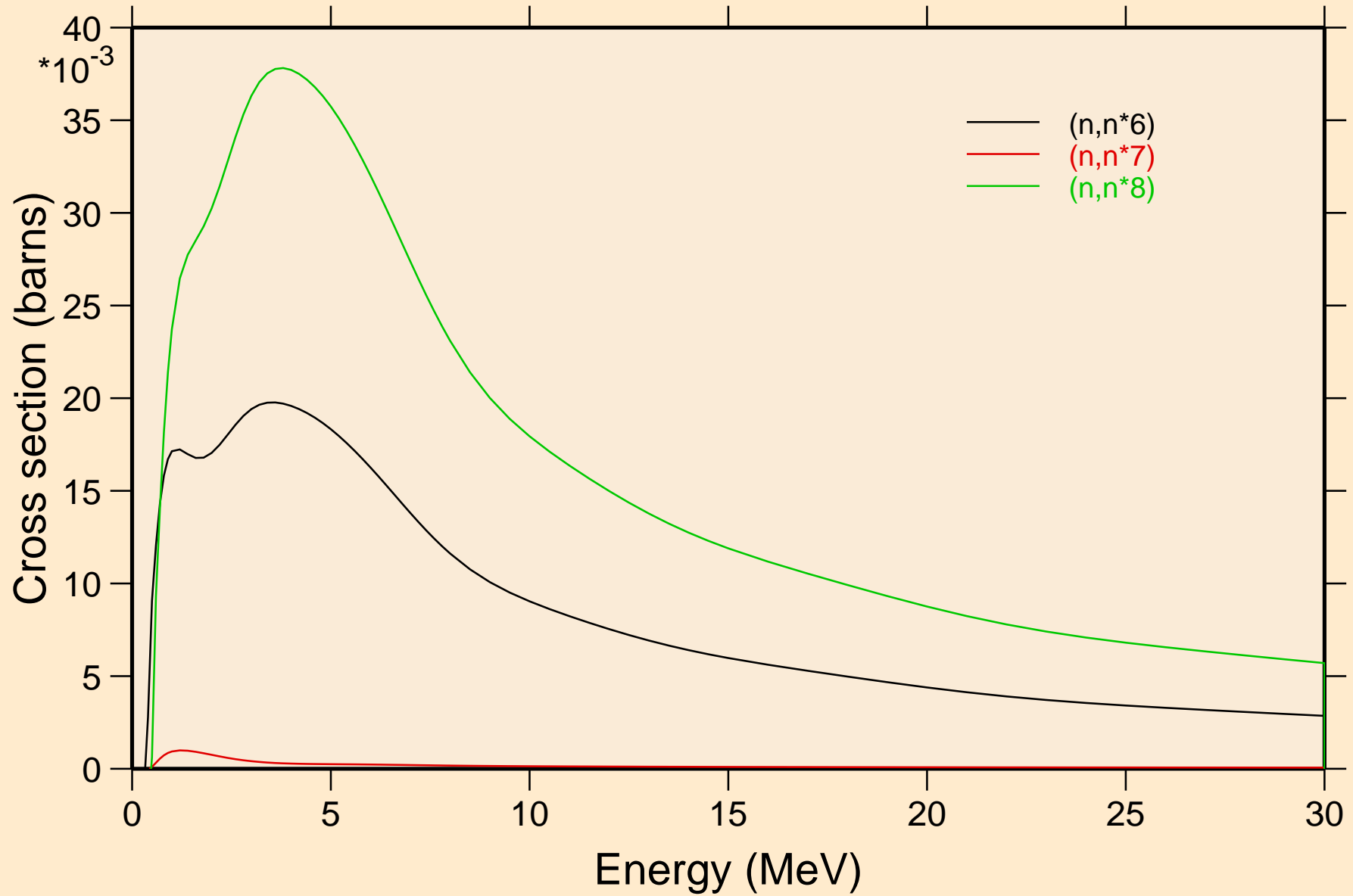
# HG179 NRG TENDL-2015, AKONING

## Inelastic levels



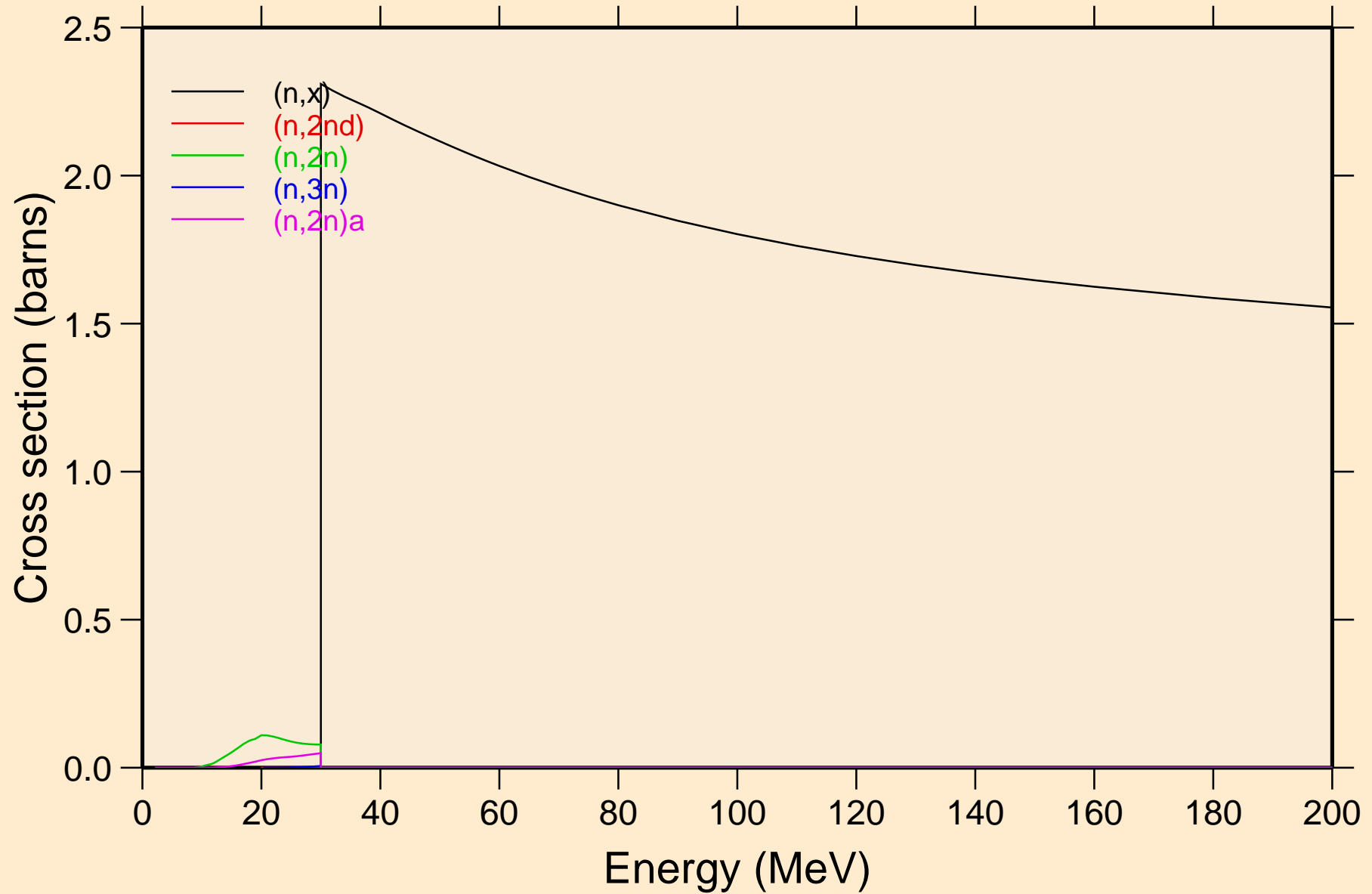
# HG179 NRG TENDL-2015, AKONING

## Inelastic levels



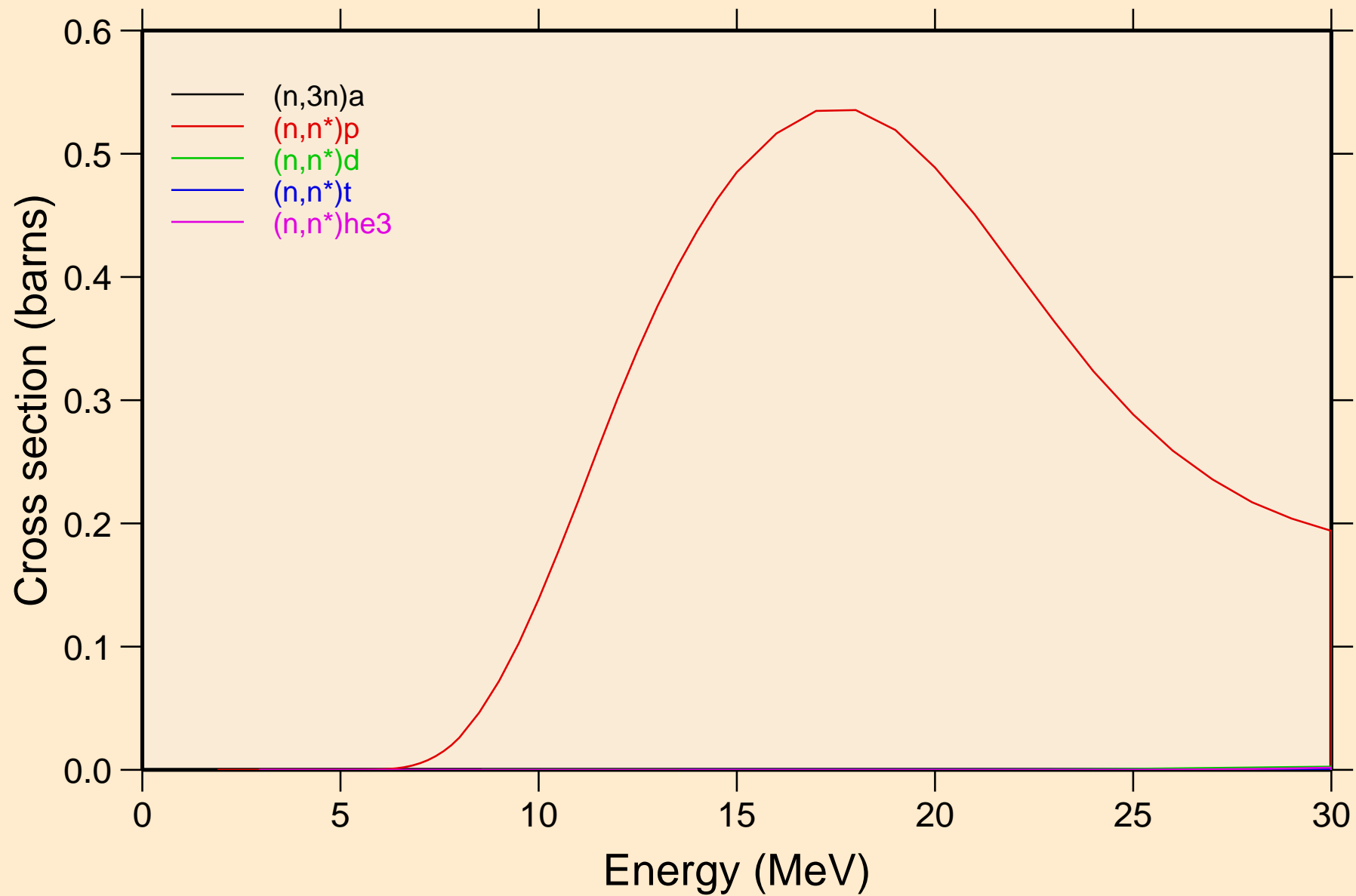
# HG179 NRG TENDL-2015, AKONING

## Threshold reactions



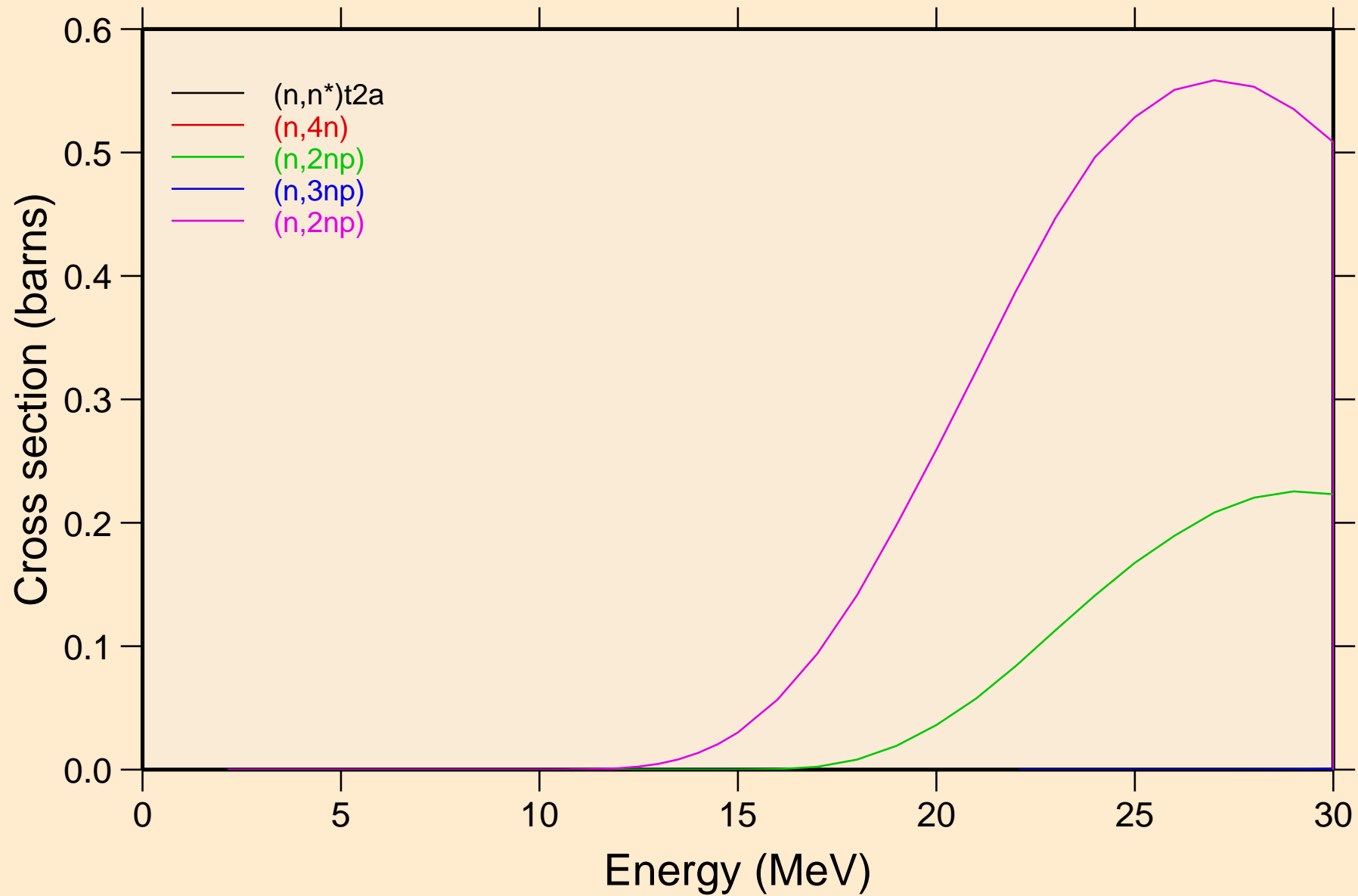
# HG179 NRG TENDL-2015, AKONING

## Threshold reactions



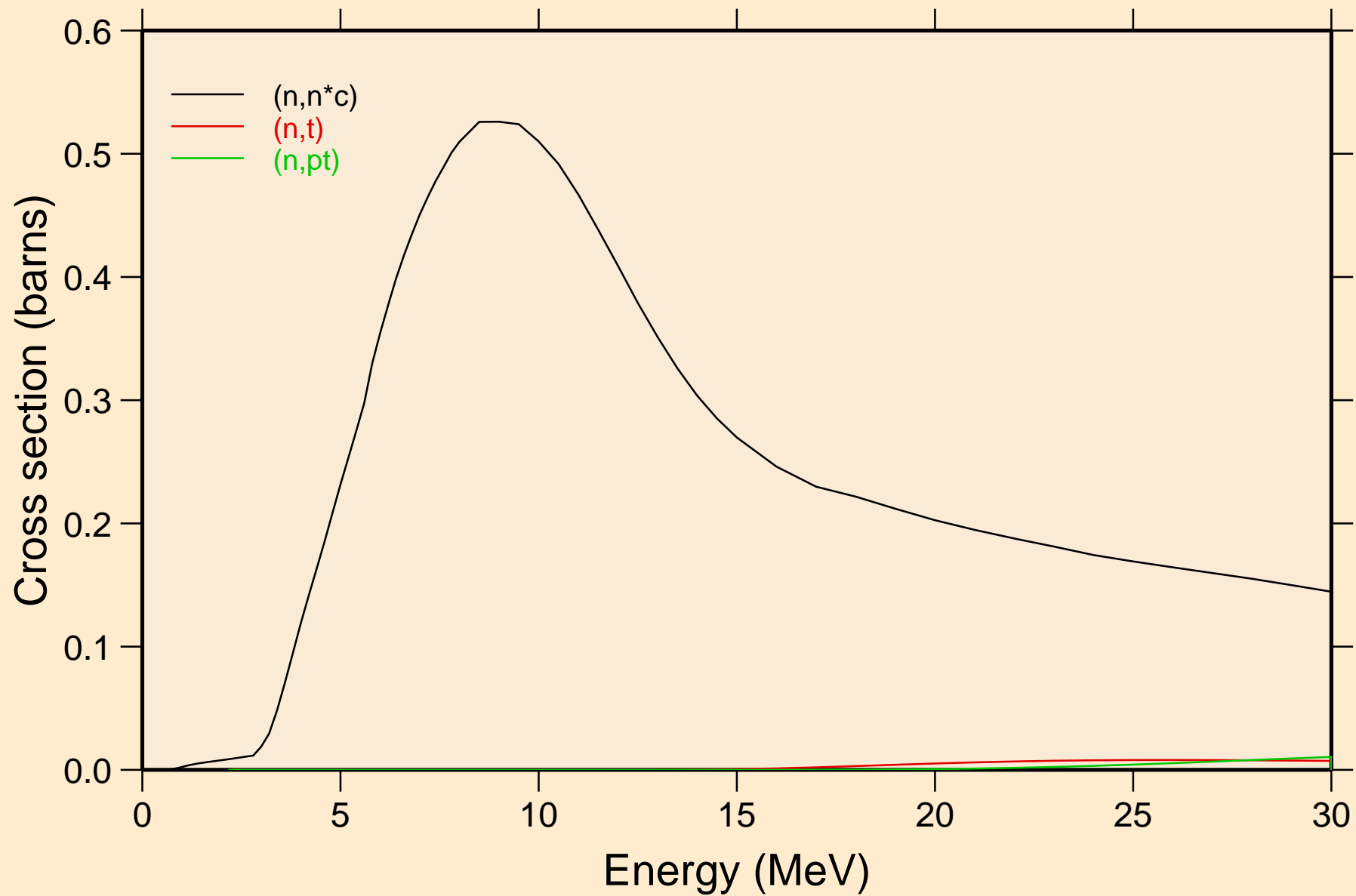
# HG179 NRG TENDL-2015, AKONING

## Threshold reactions



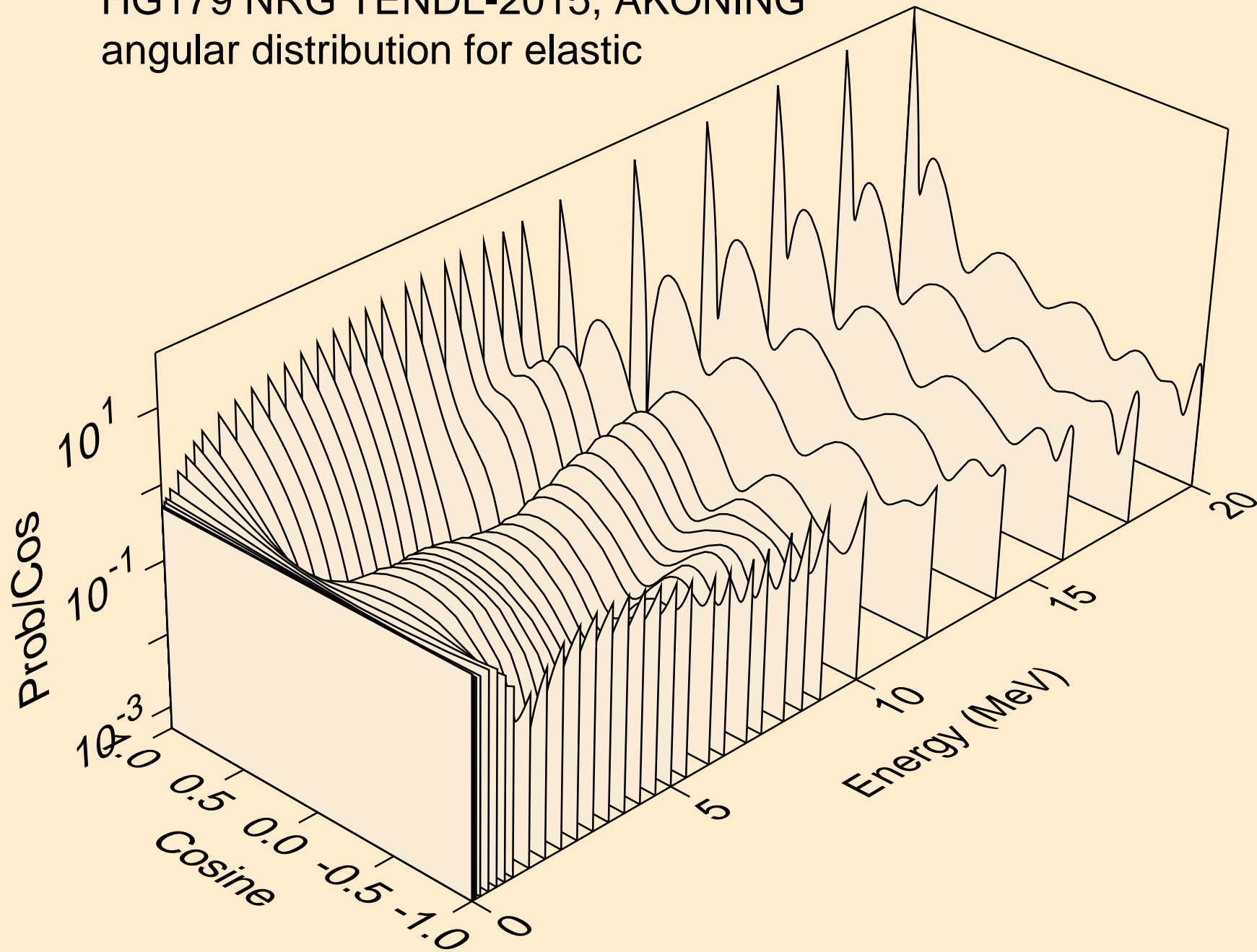
# HG179 NRG TENDL-2015, AKONING

## Threshold reactions

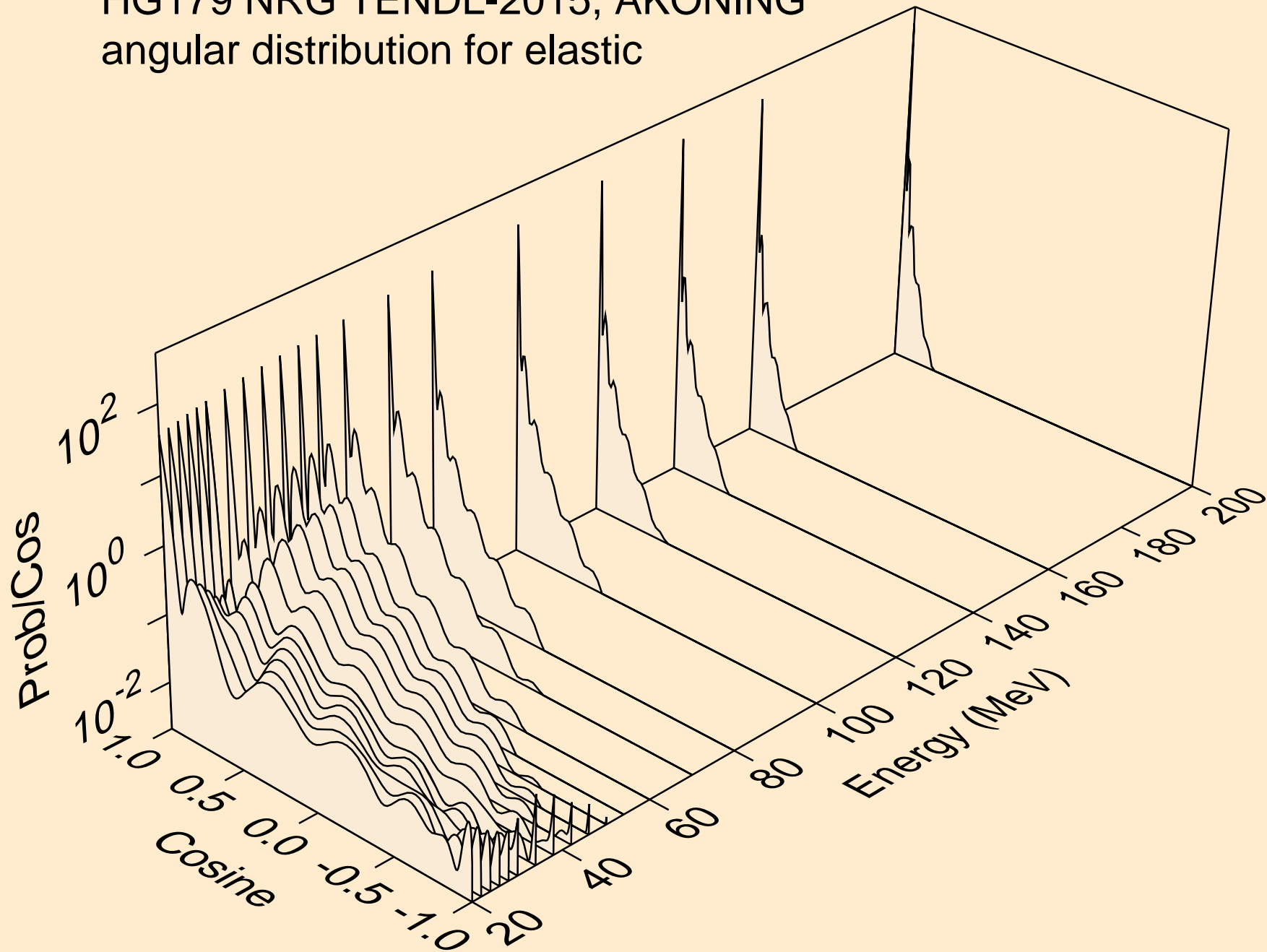




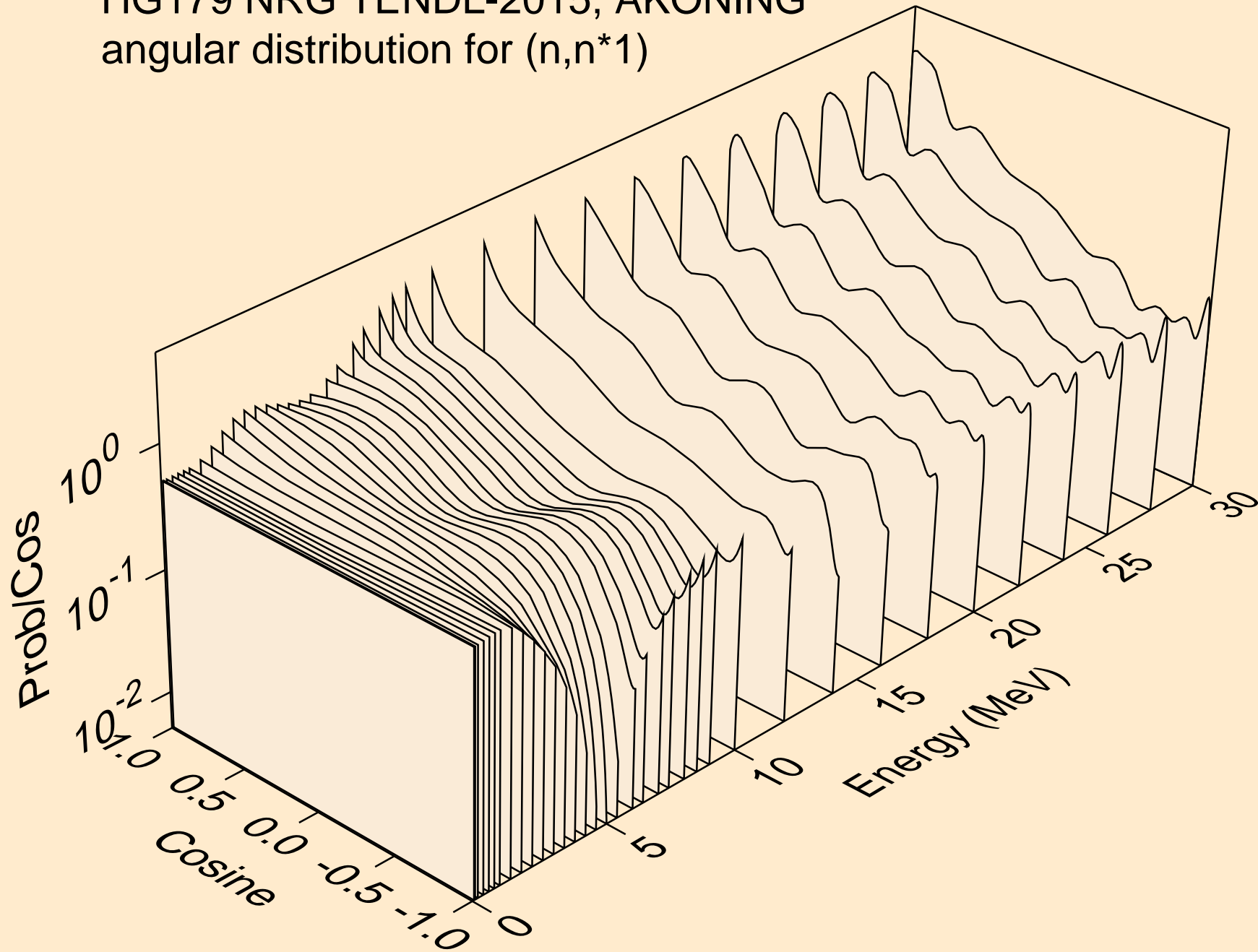
HG179 NRG TENDL-2015, AKONING  
angular distribution for elastic



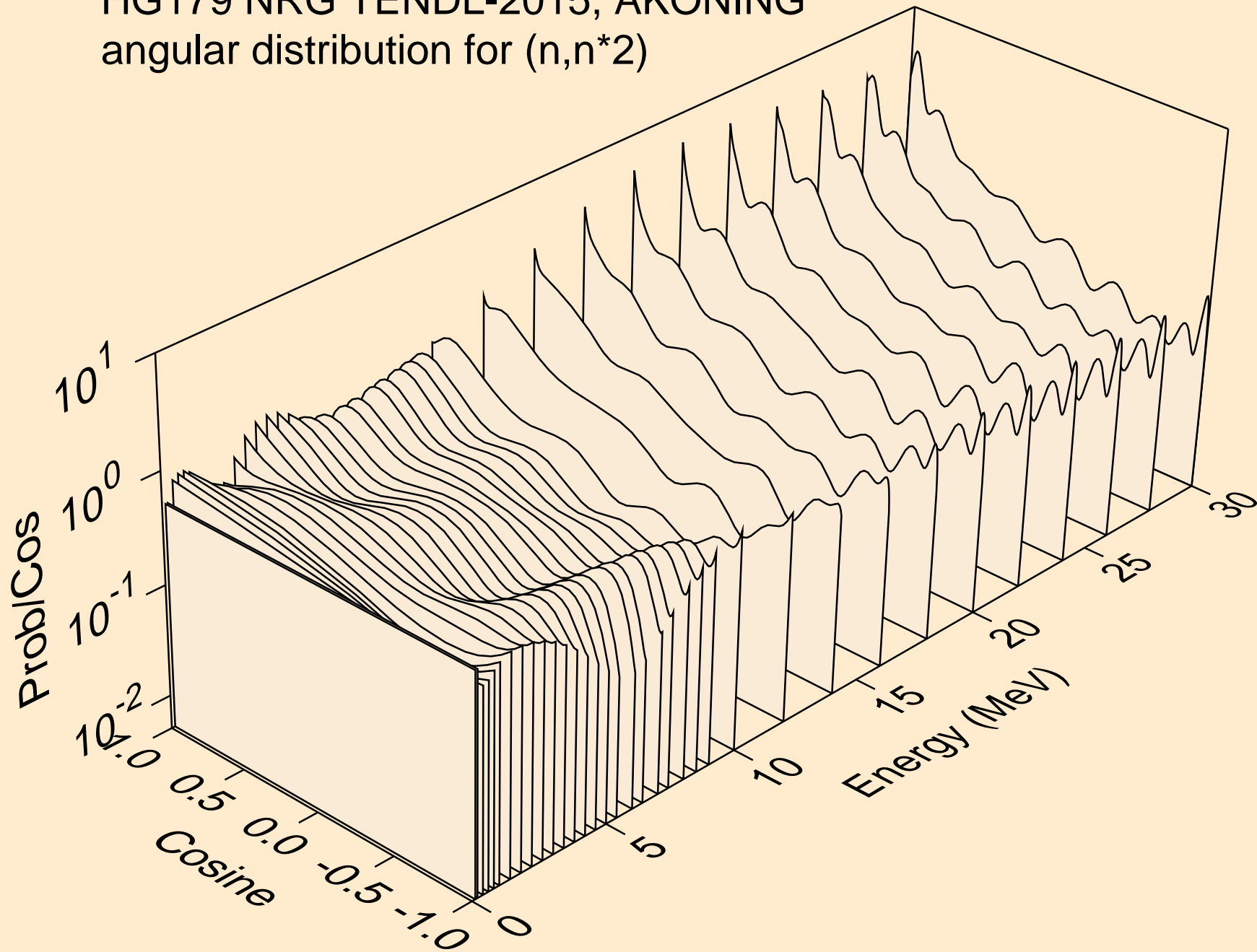
HG179 NRG TENDL-2015, AKONING  
angular distribution for elastic



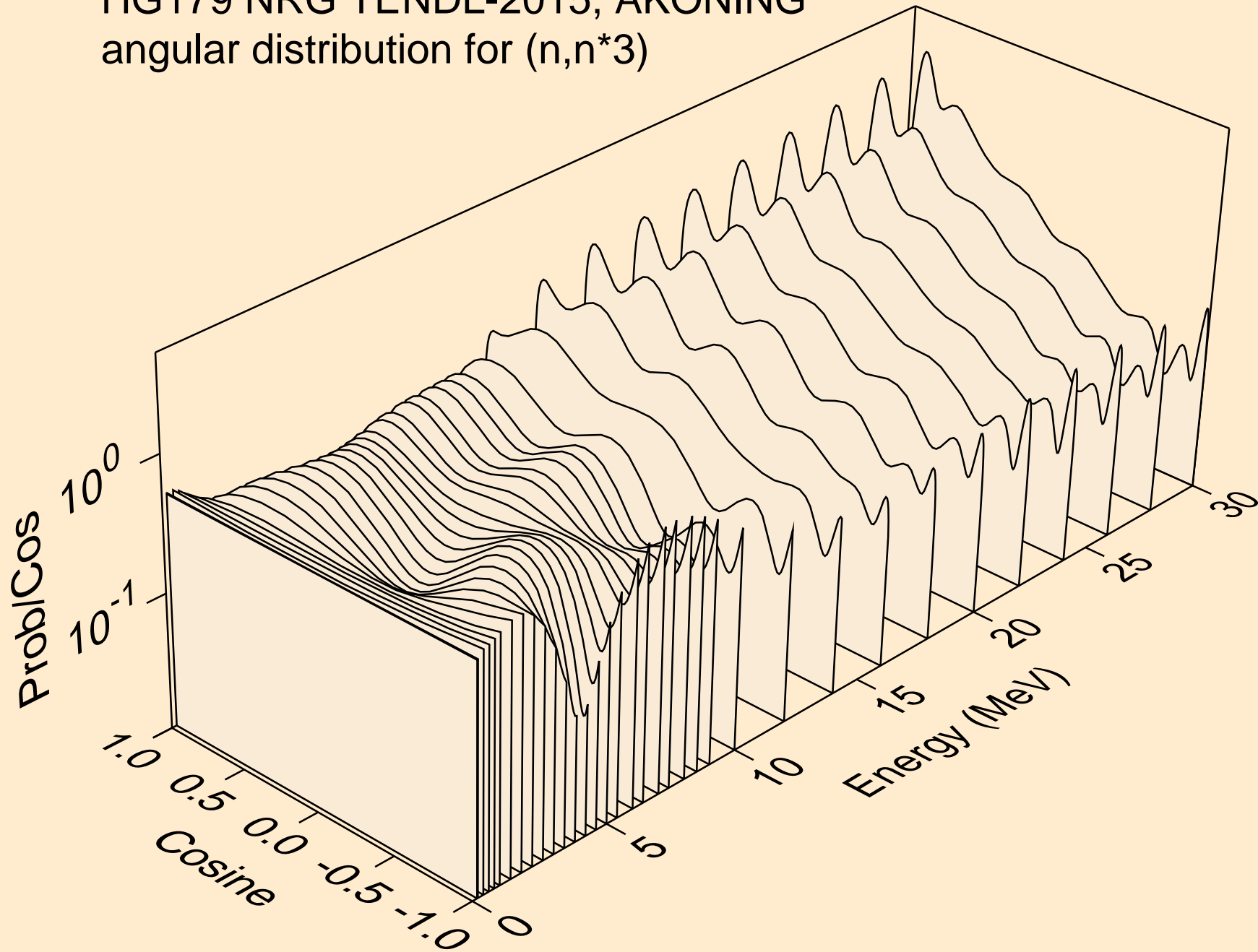
HG179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



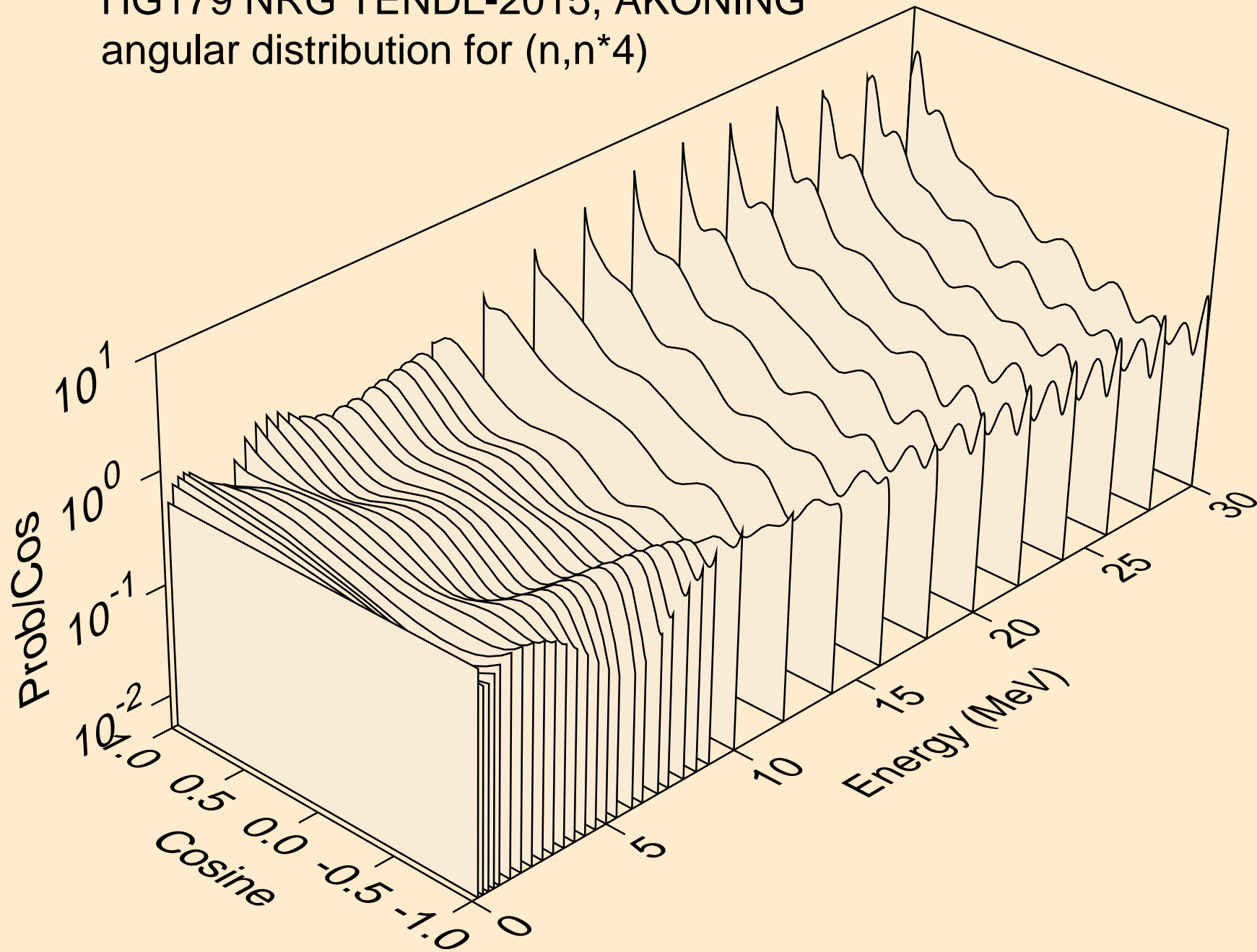
HG179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



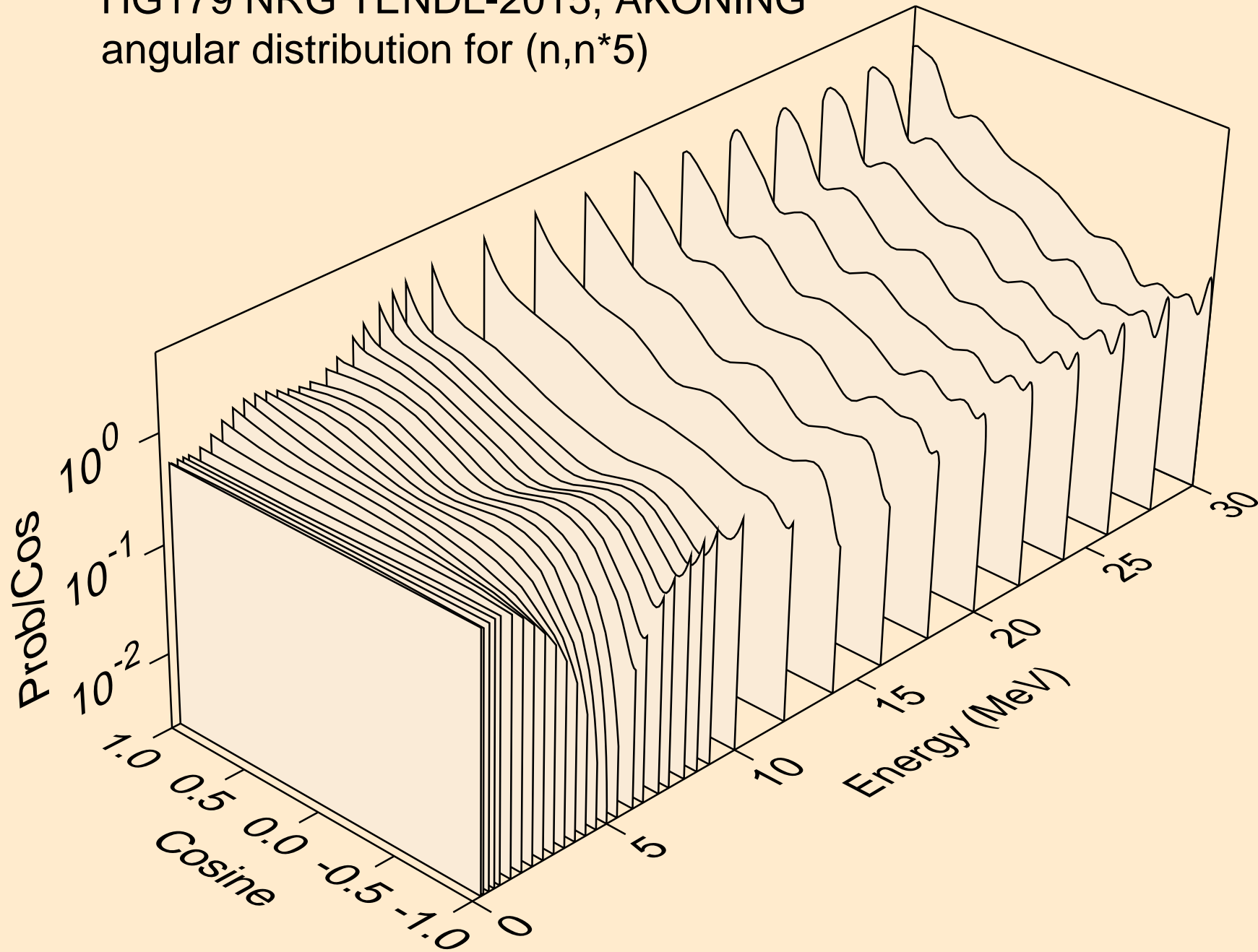
HG179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



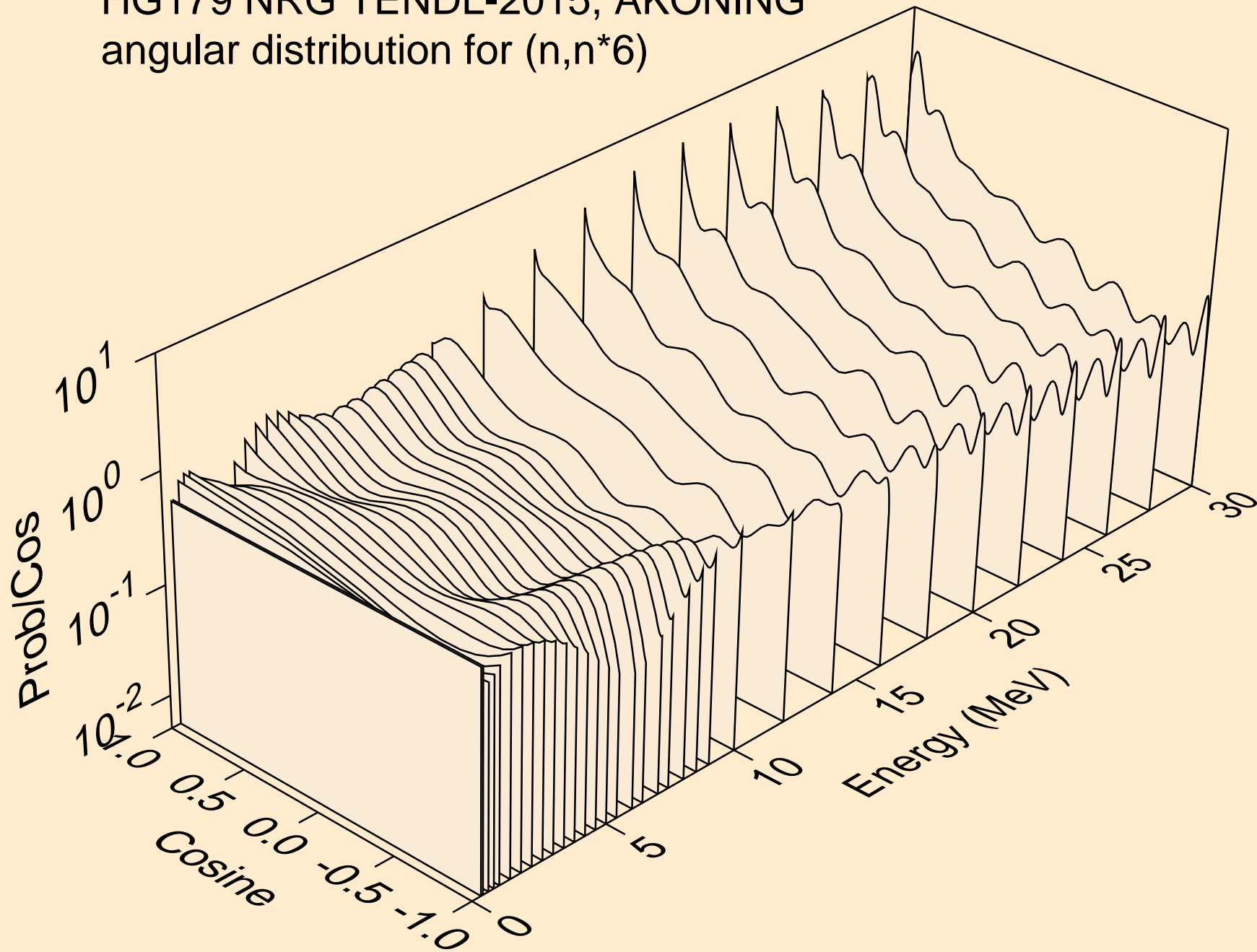
HG179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



HG179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)

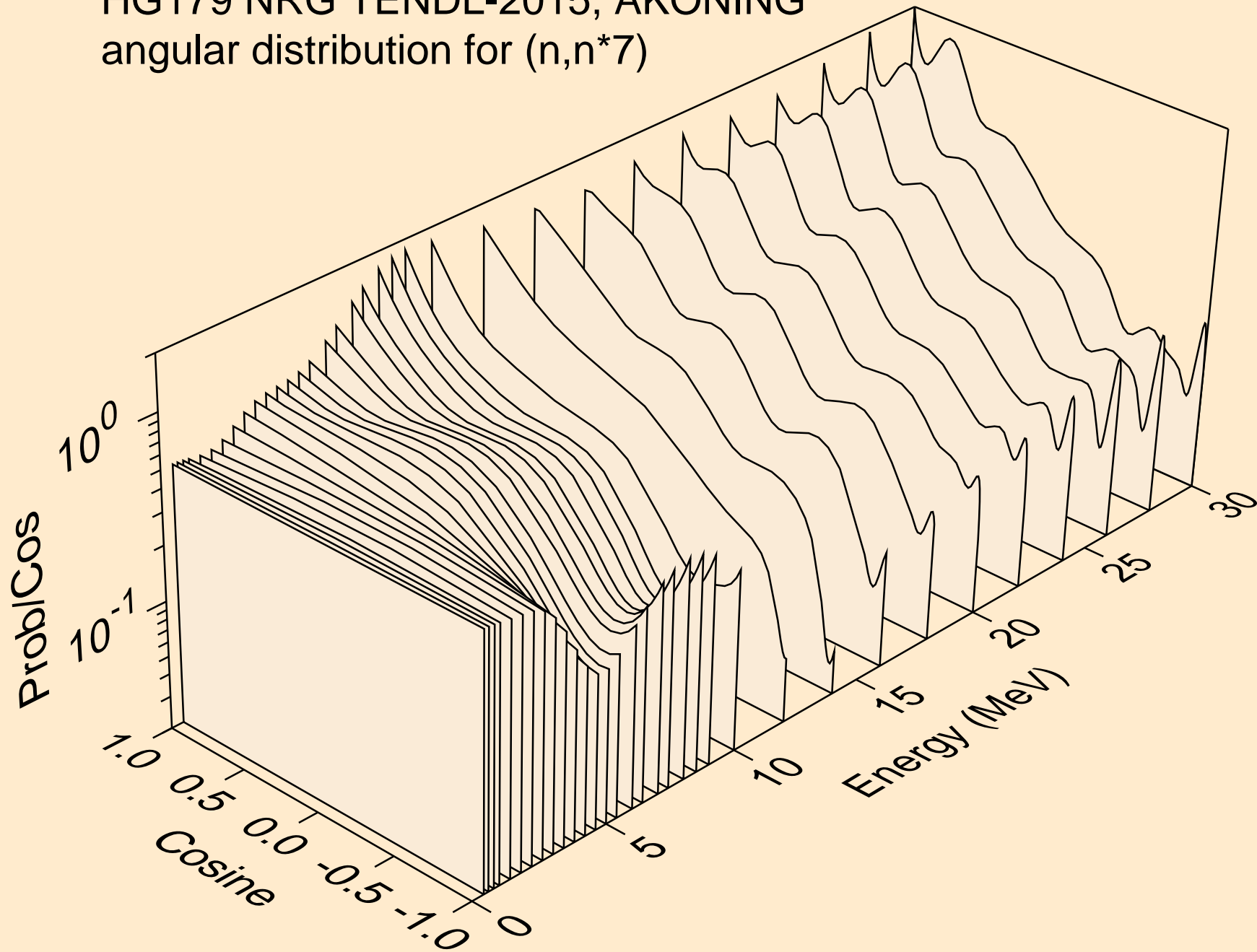


HG179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)

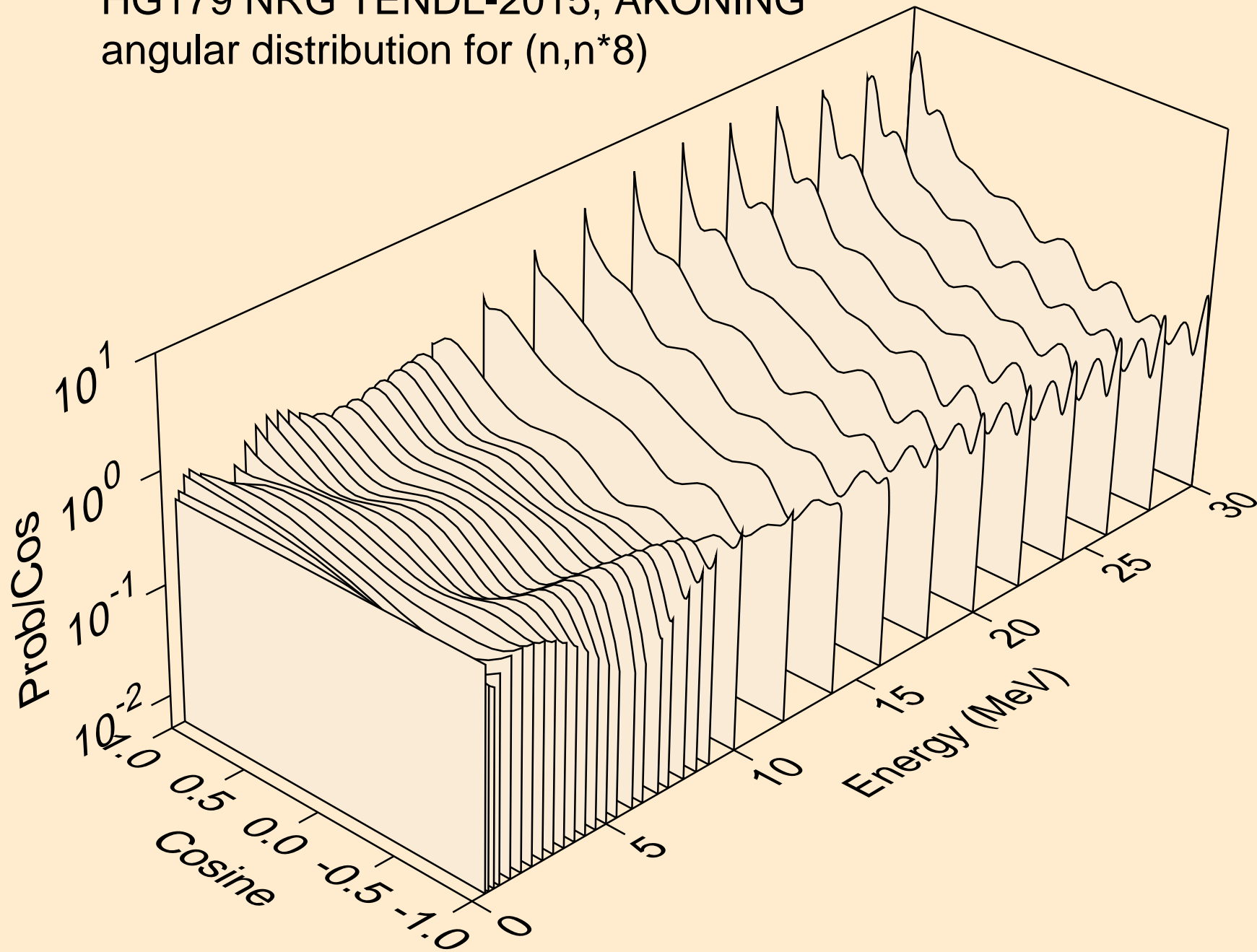




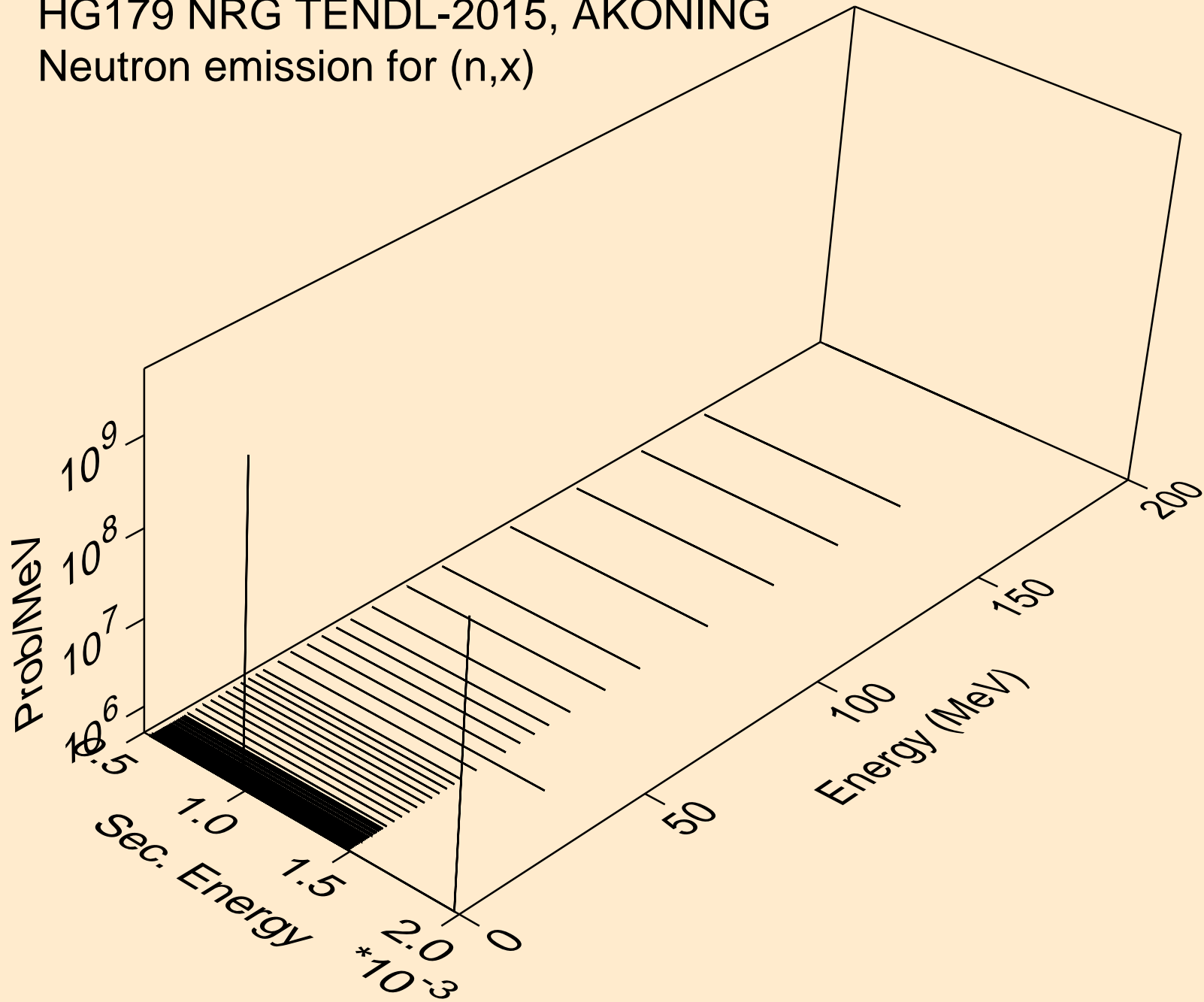
HG179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



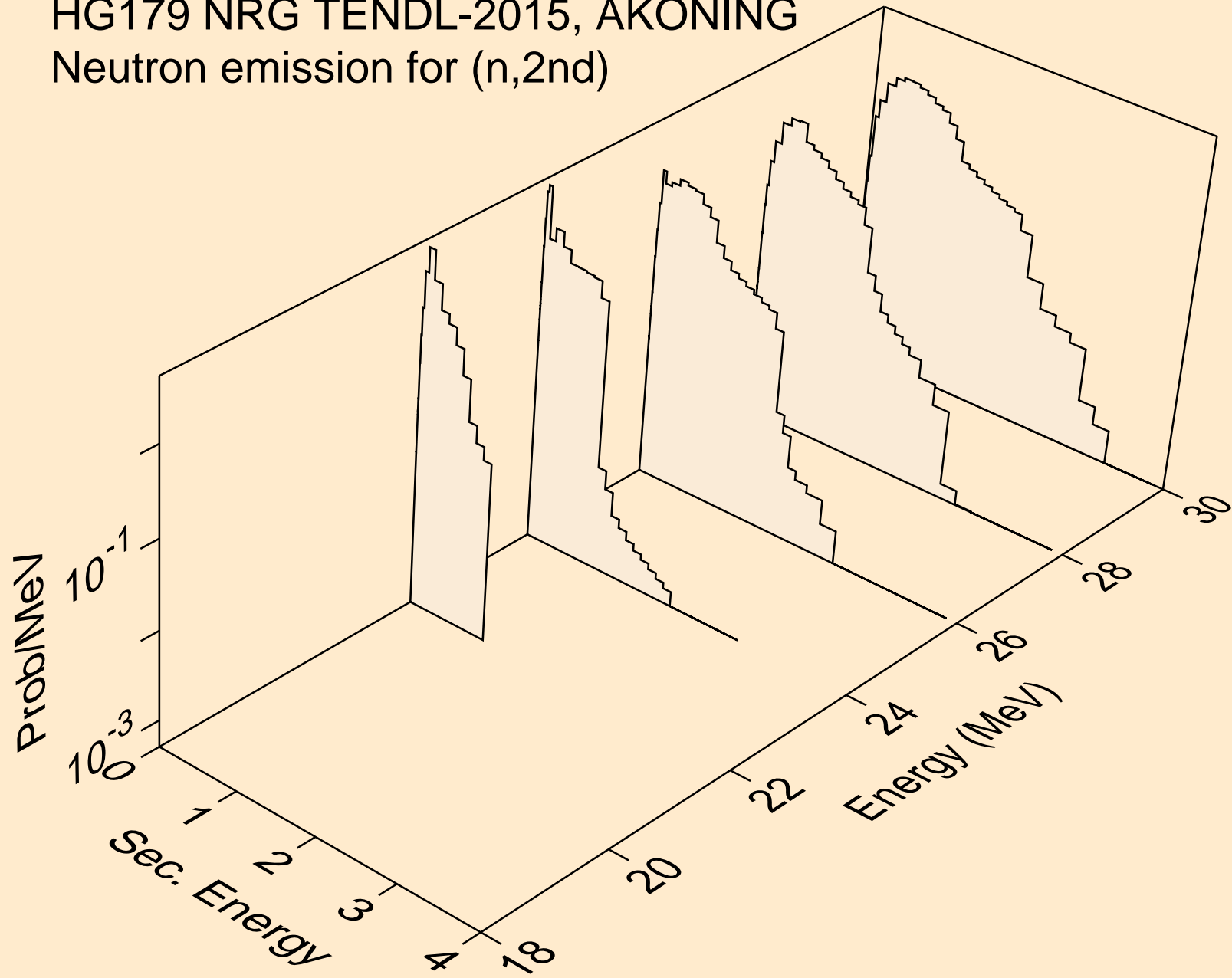
HG179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)



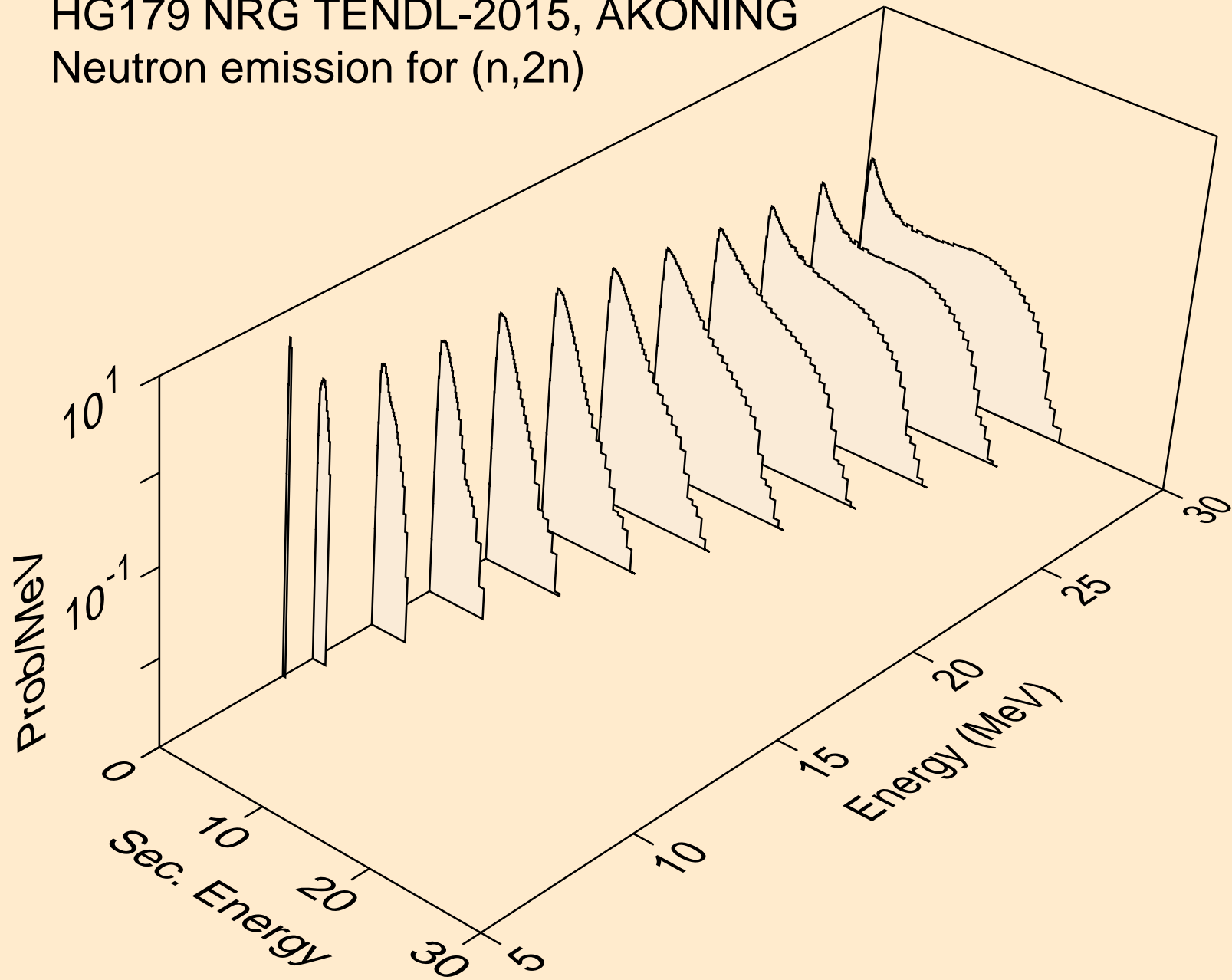
HG179 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



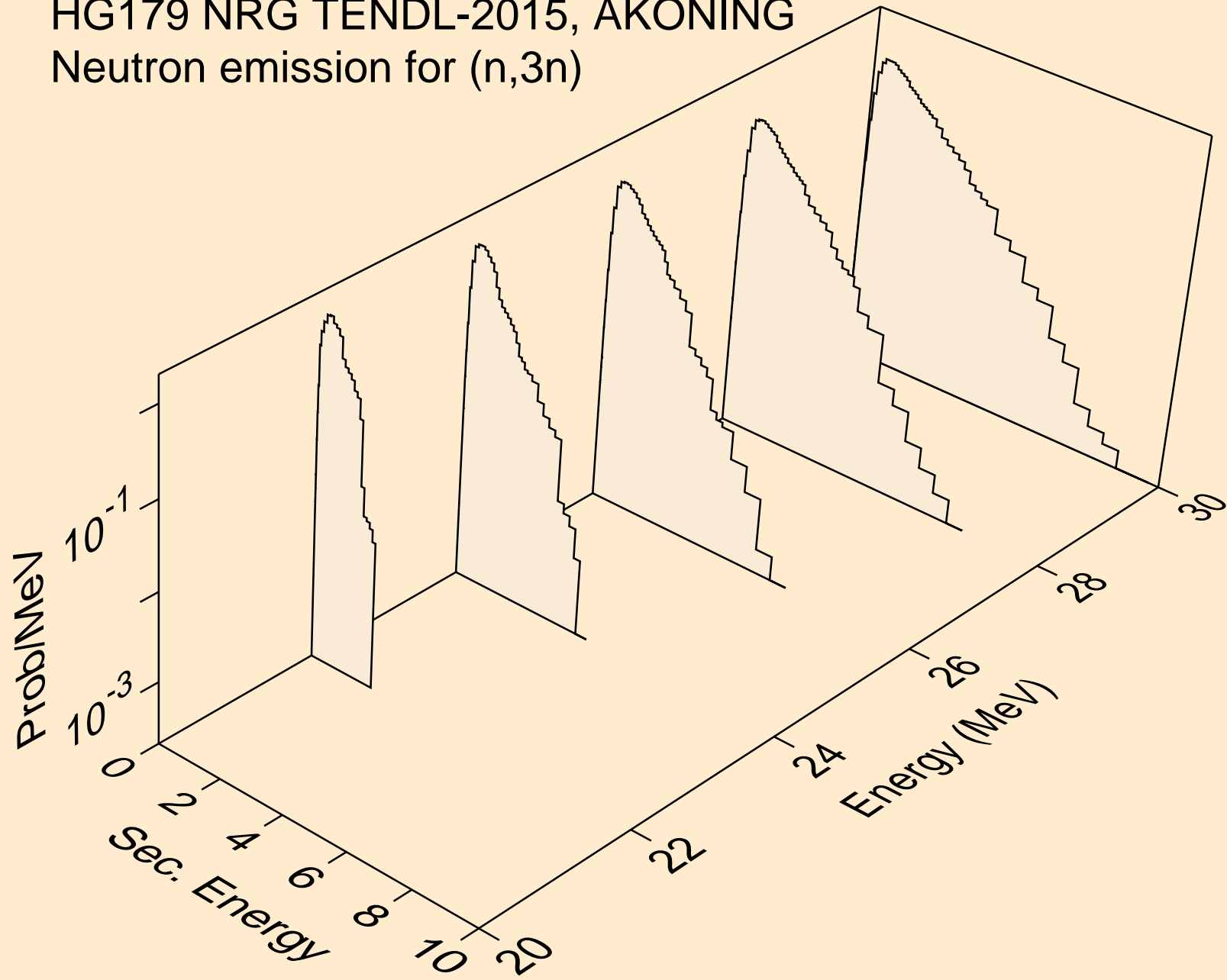
HG179 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



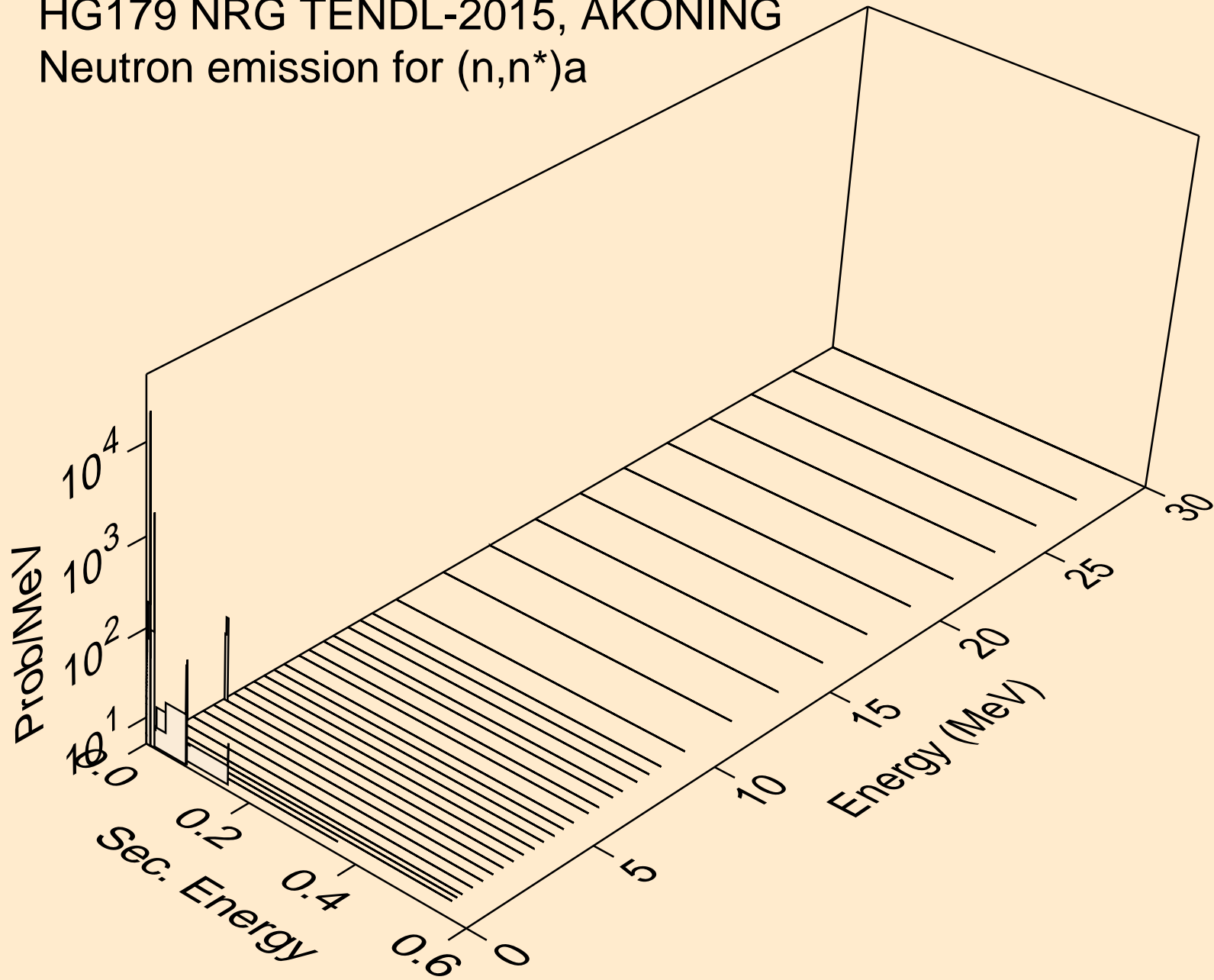
HG179 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



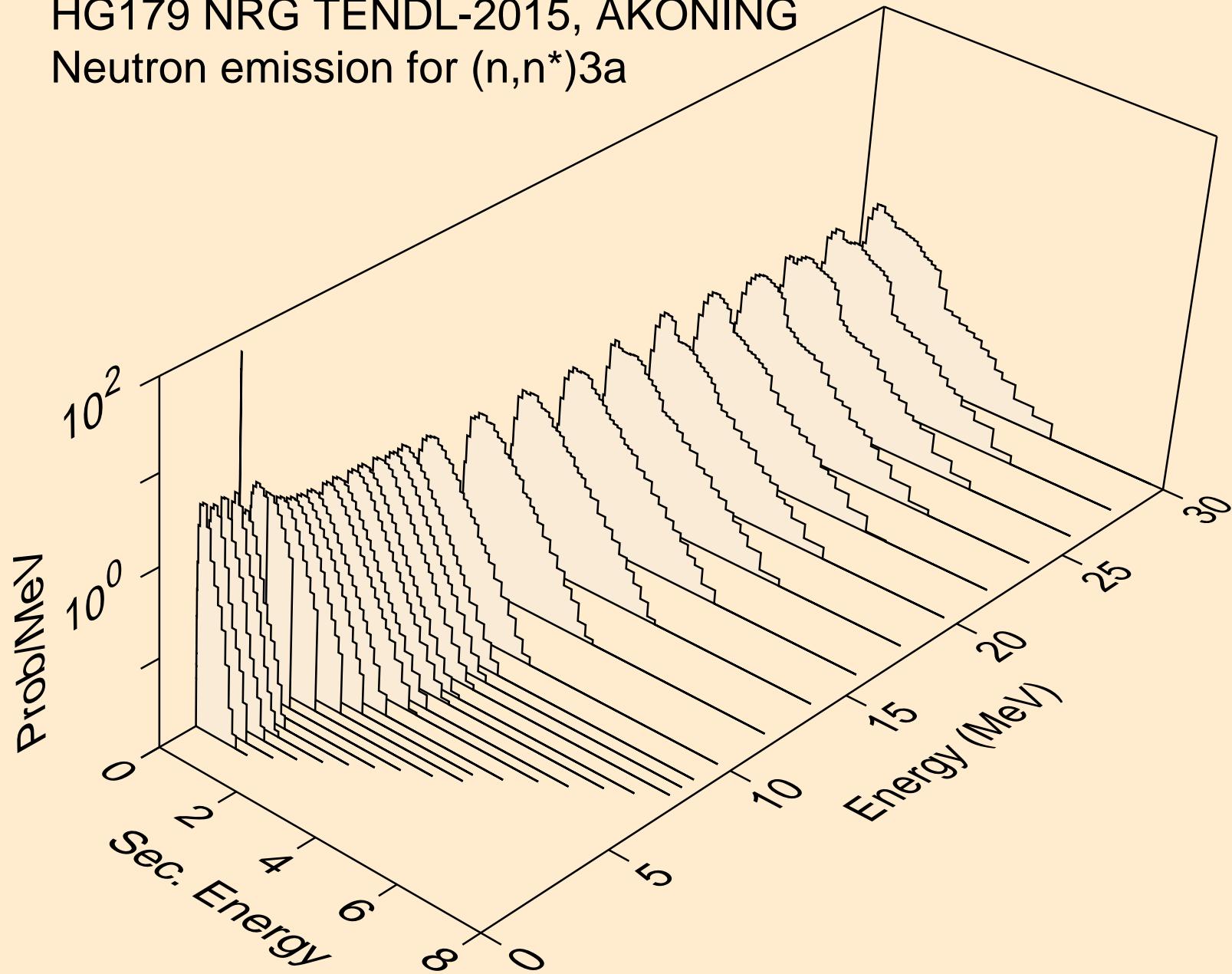
HG179 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



HG179 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a

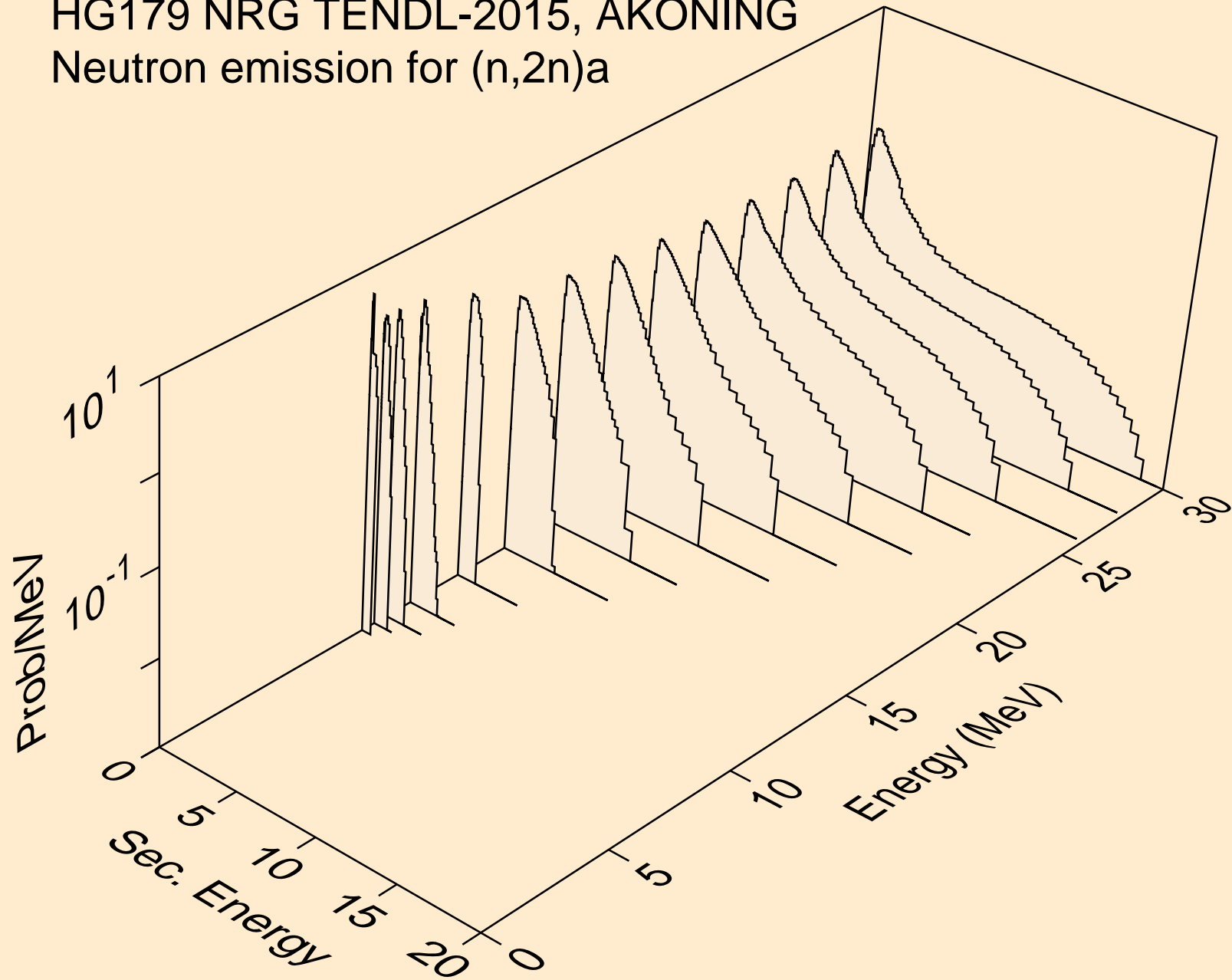


HG179 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)3a

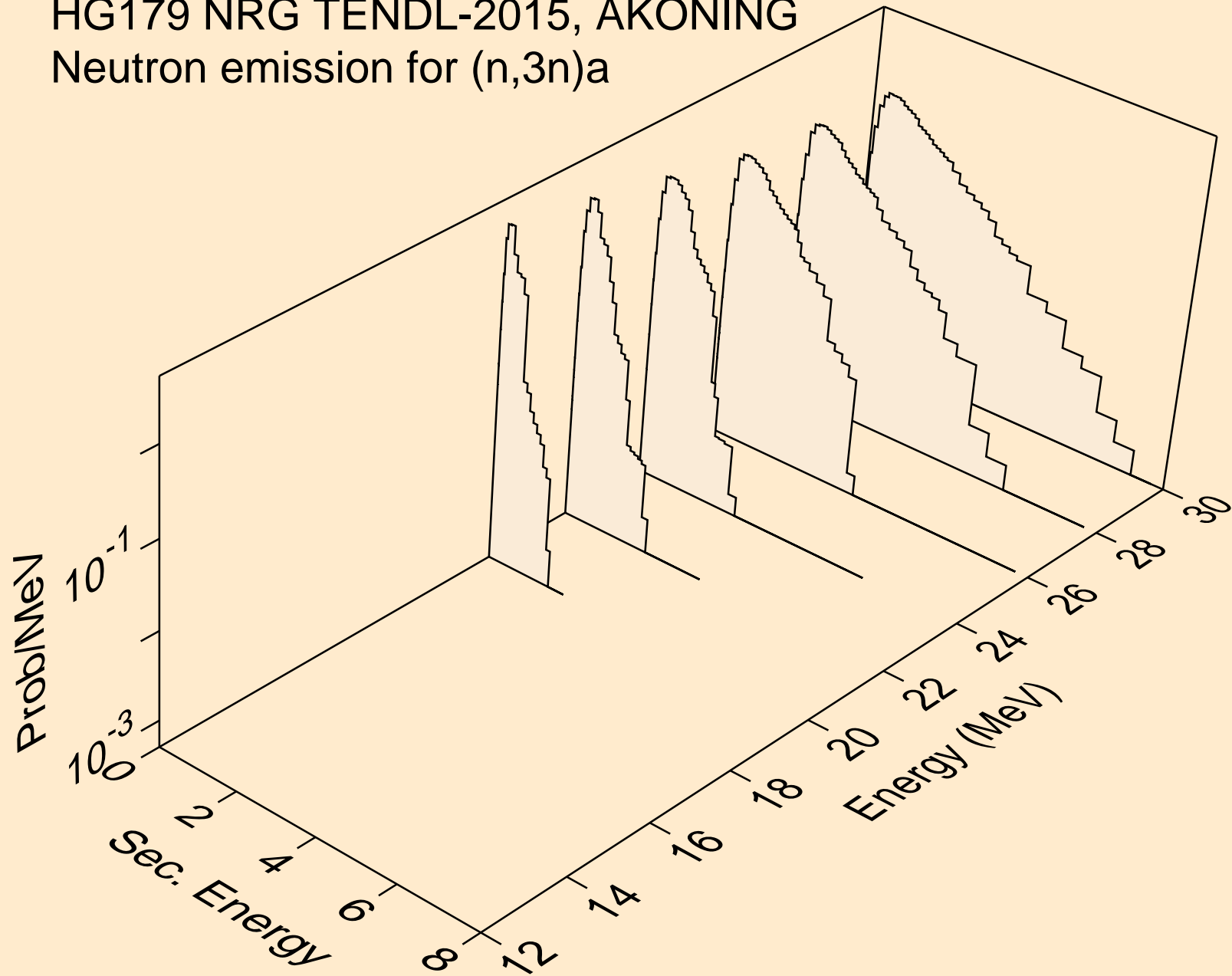




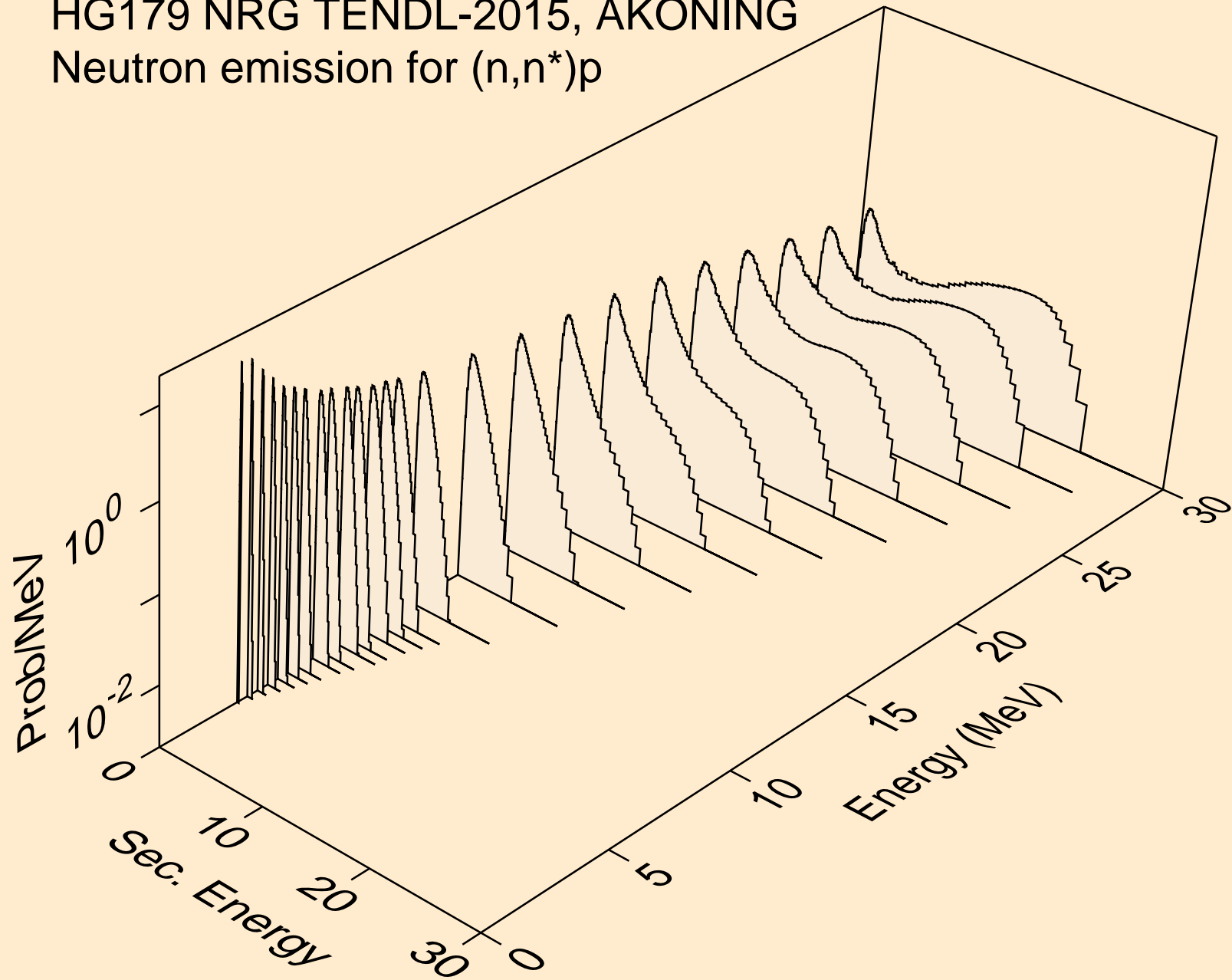
HG179 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



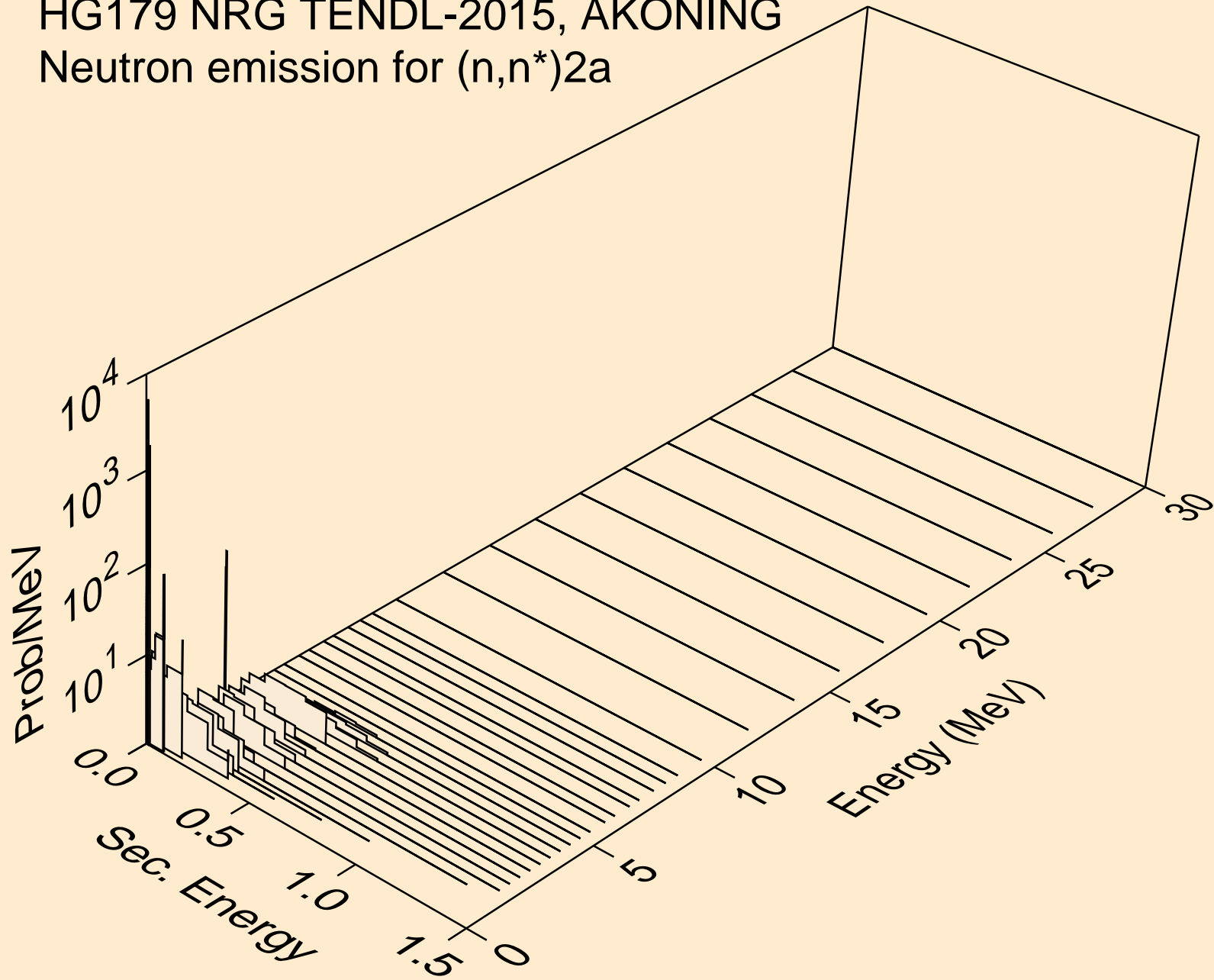
HG179 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



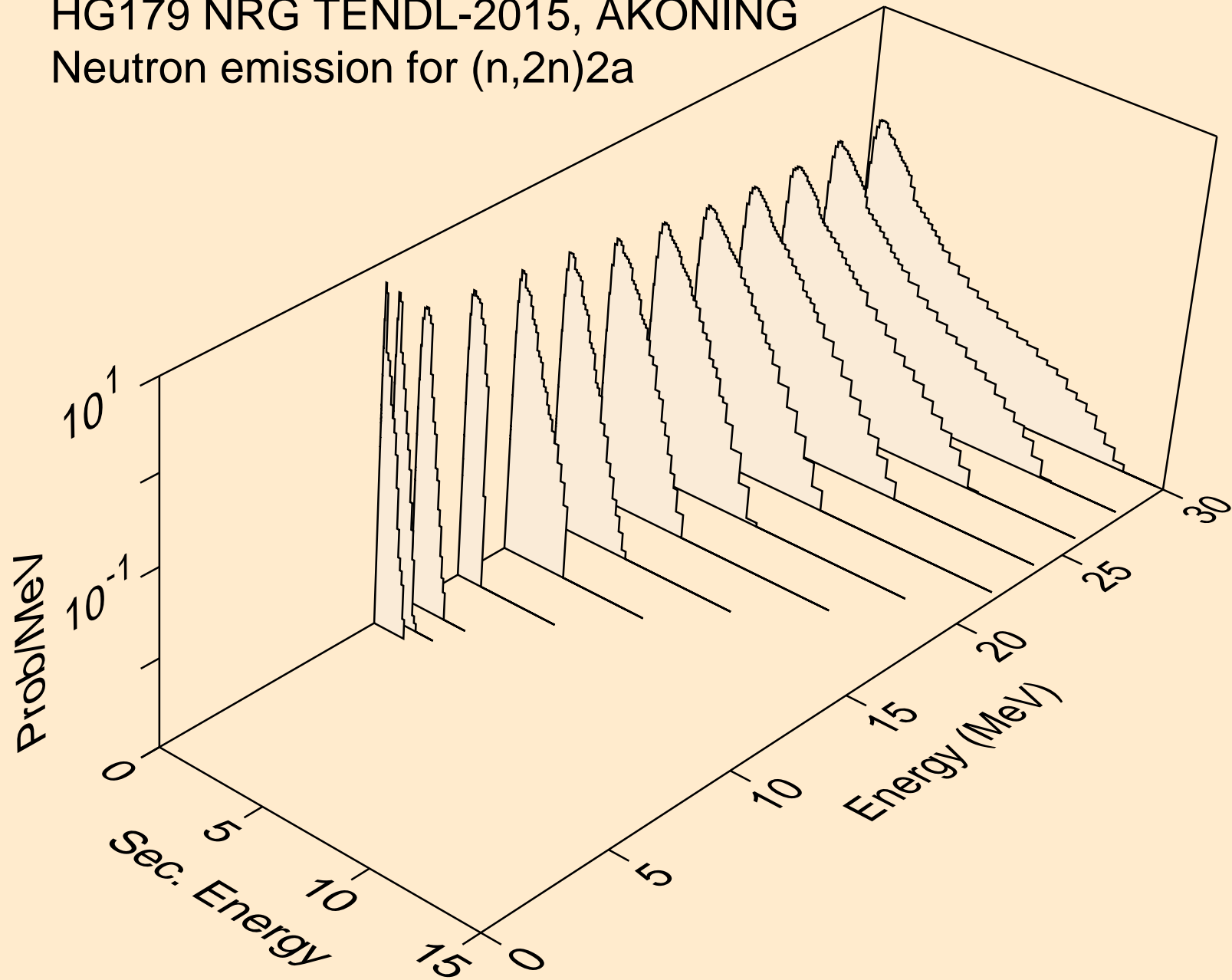
HG179 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



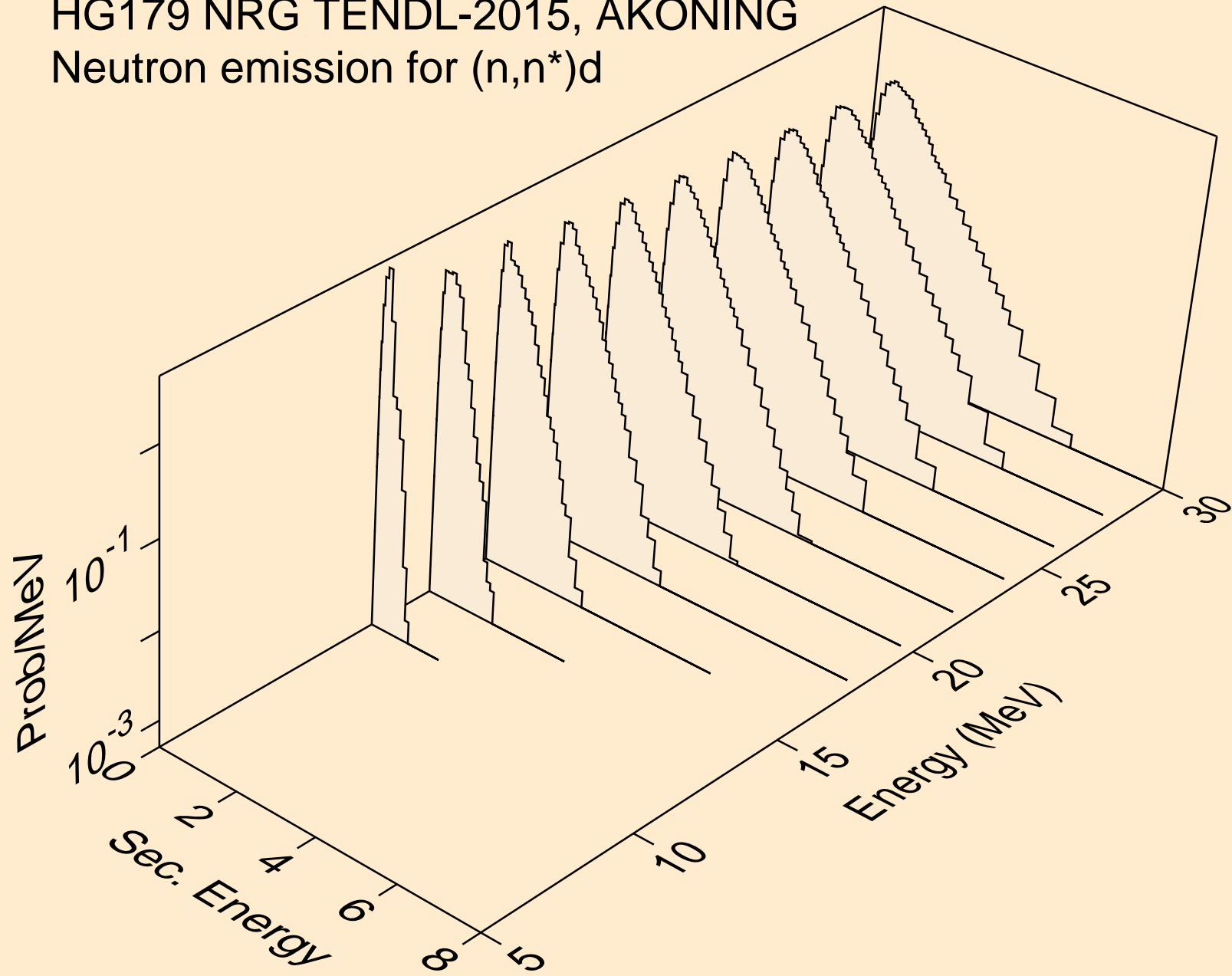
HG179 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



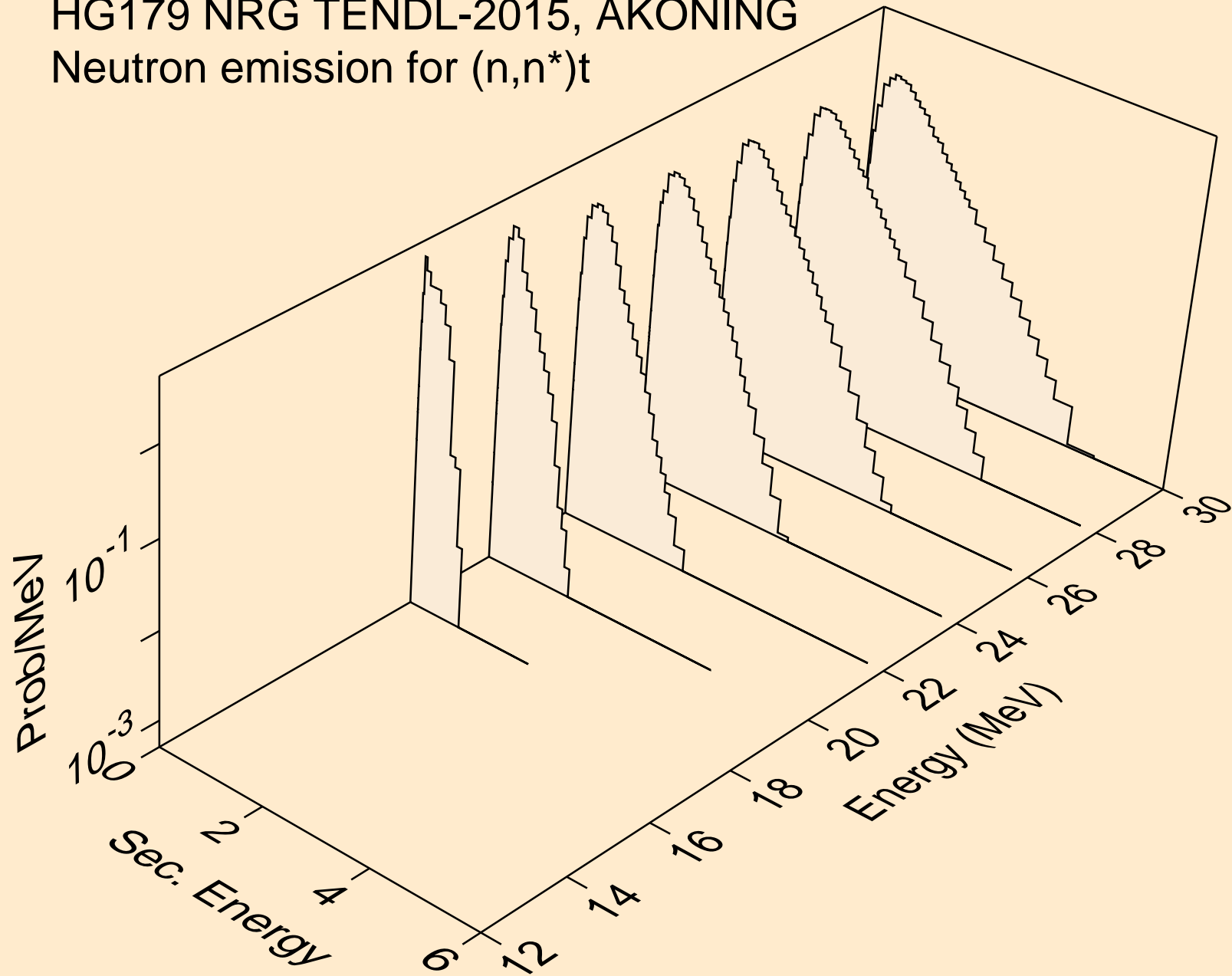
HG179 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)2a



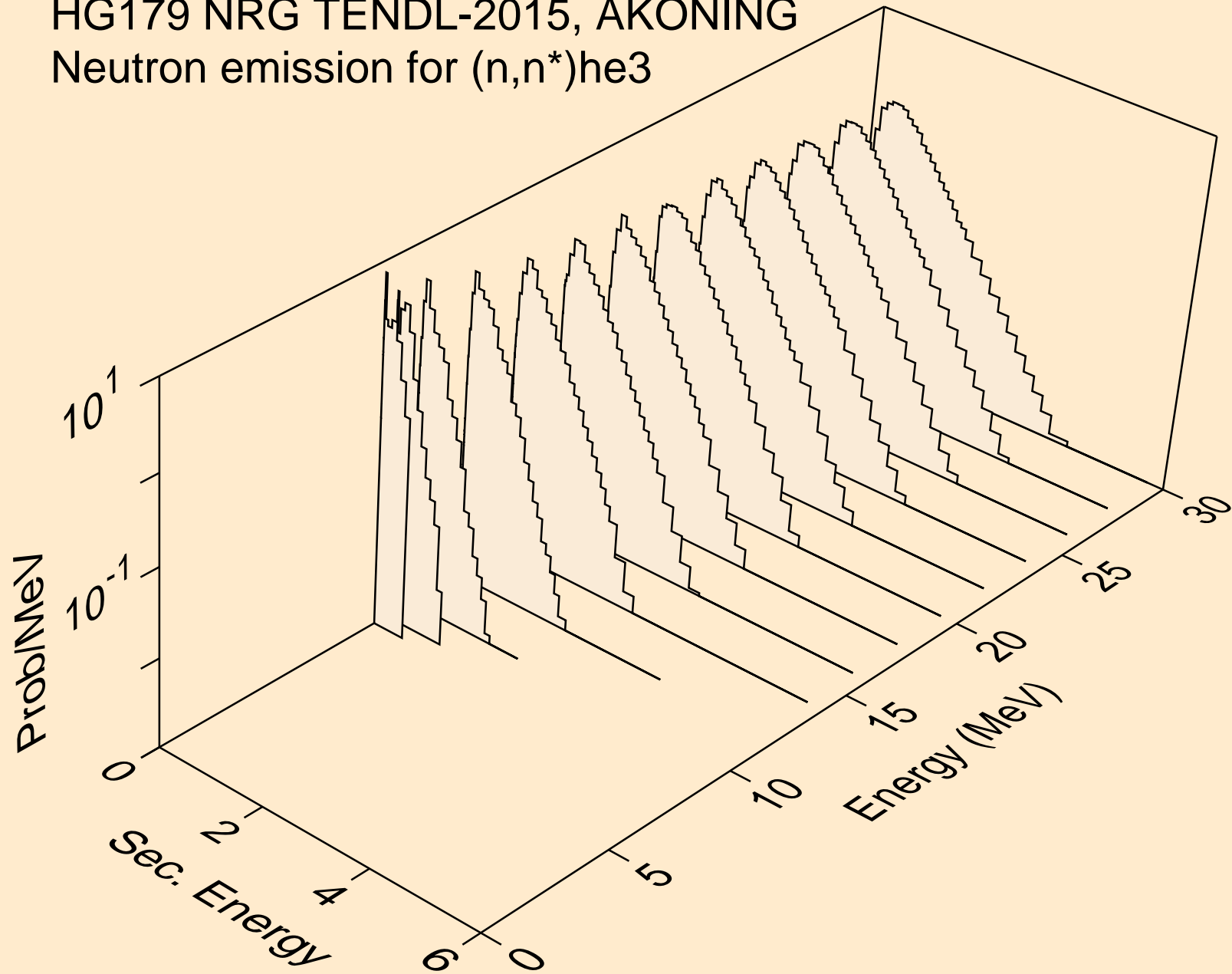
HG179 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



HG179 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t

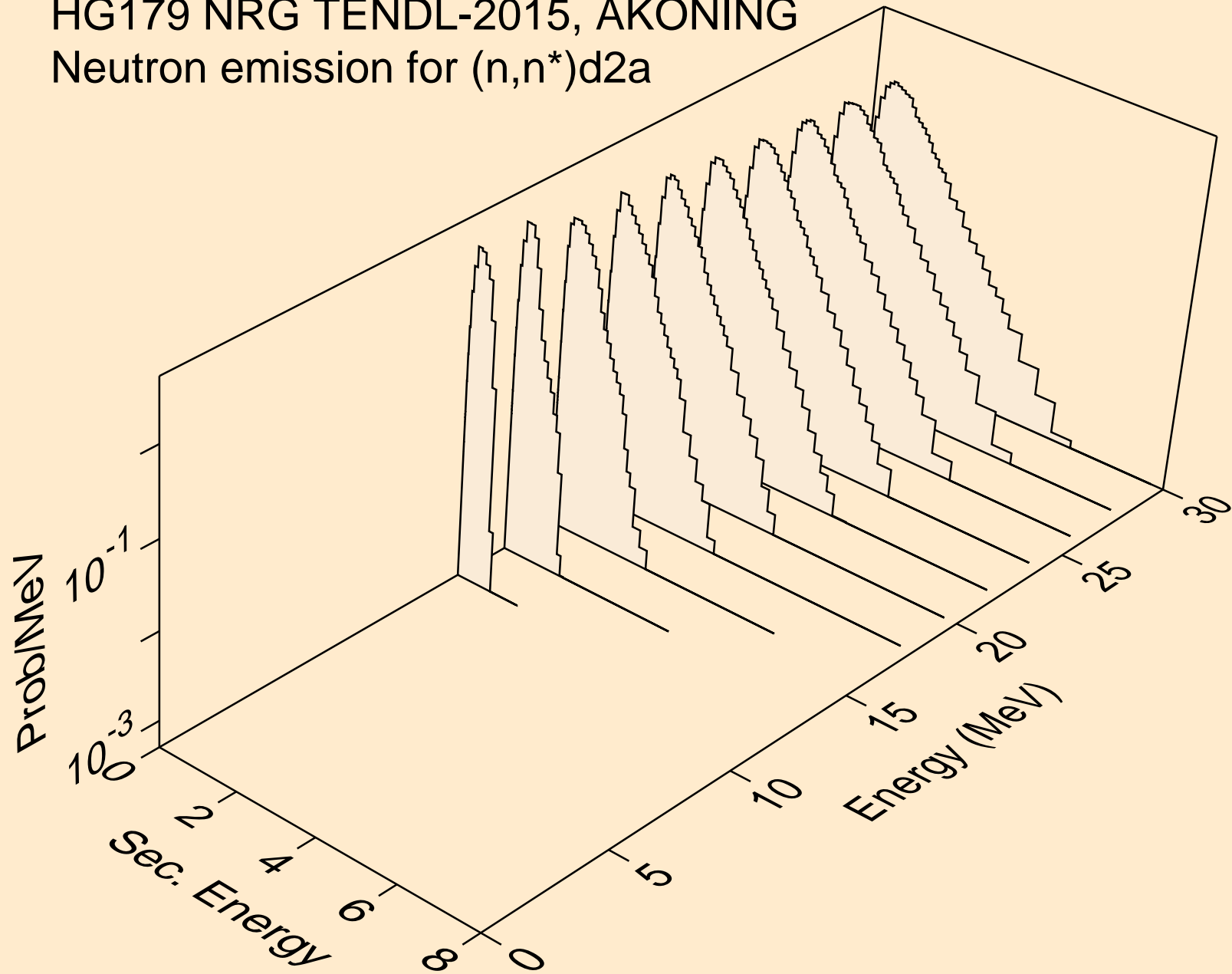


HG179 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3

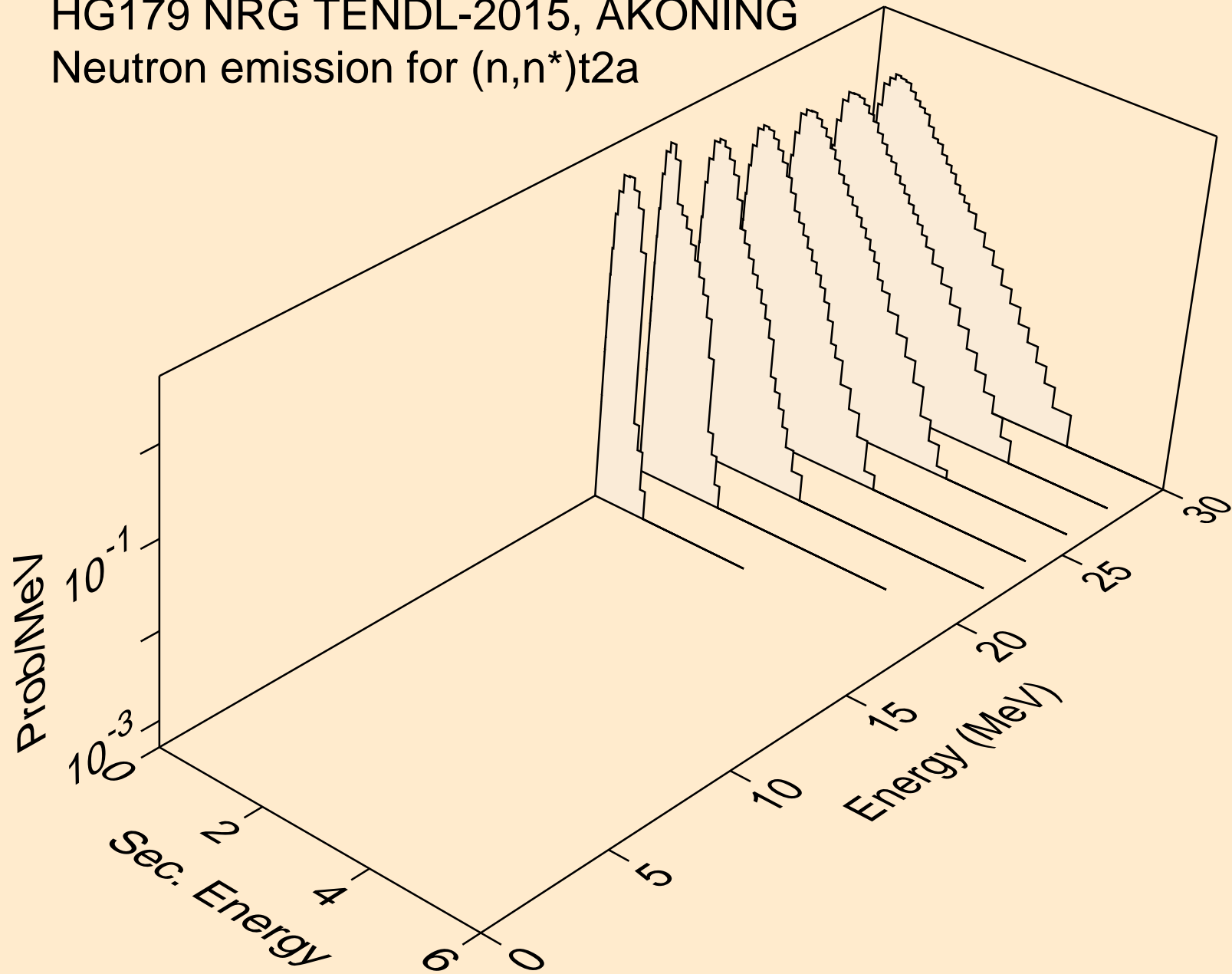




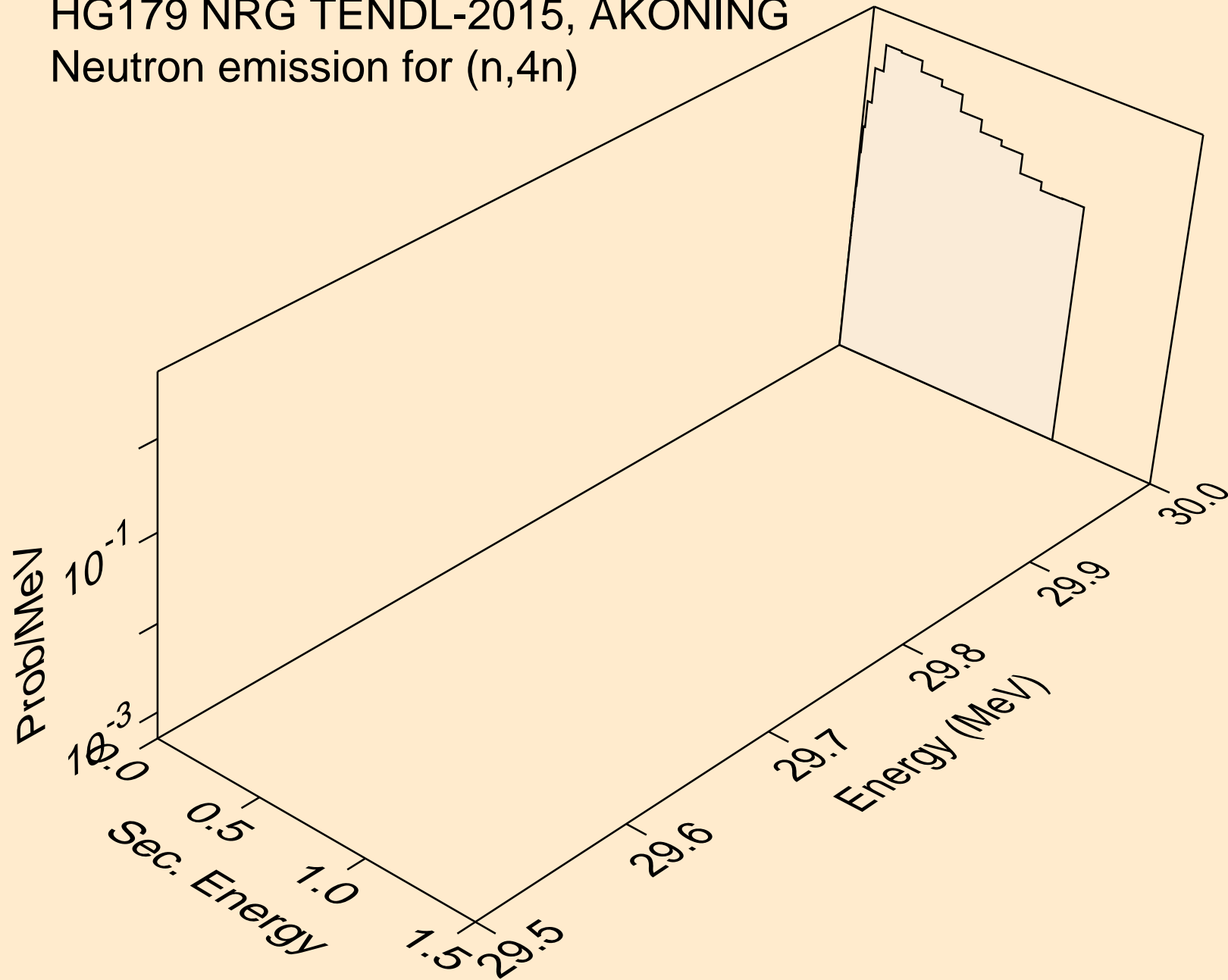
HG179 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d2a



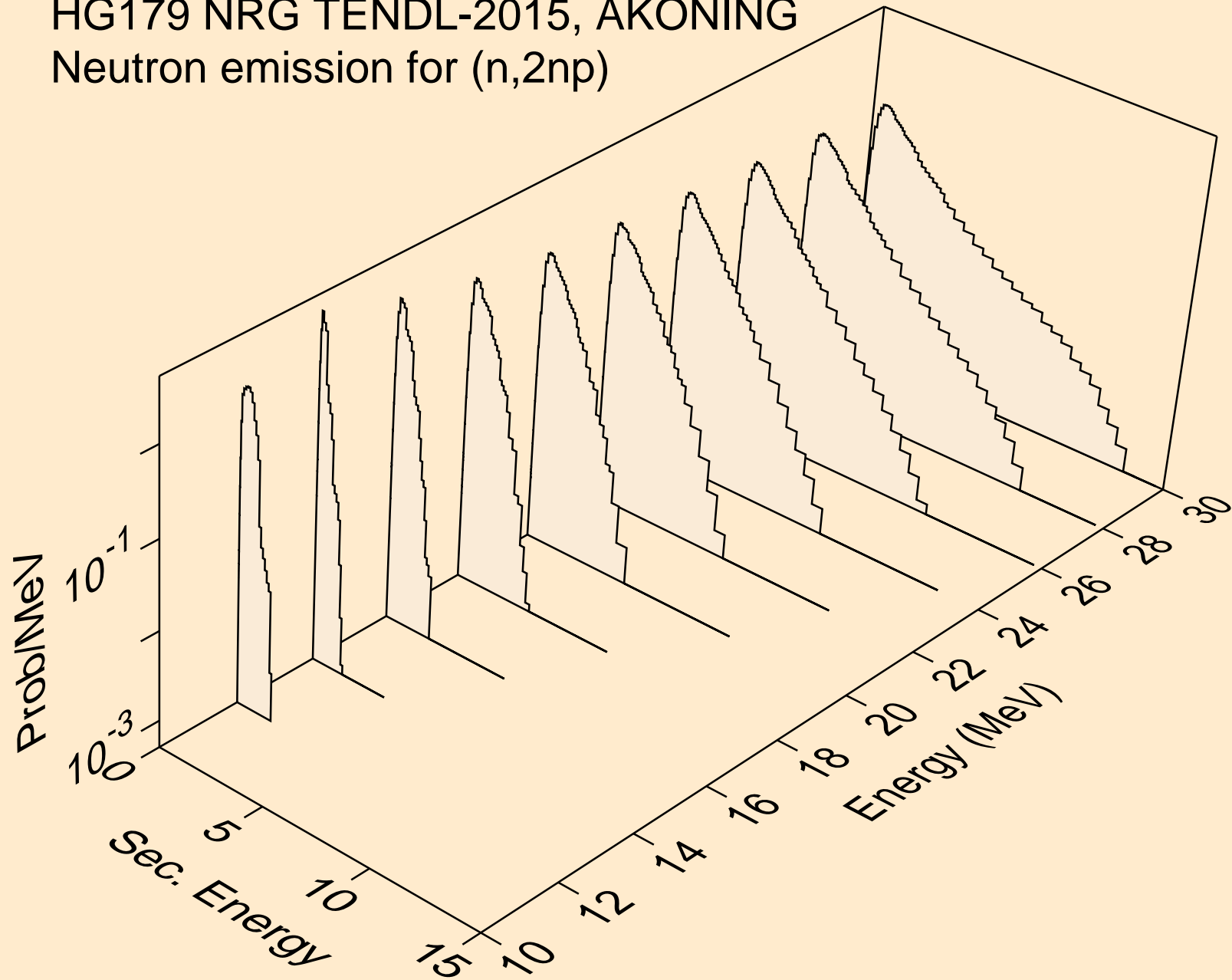
HG179 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t2a



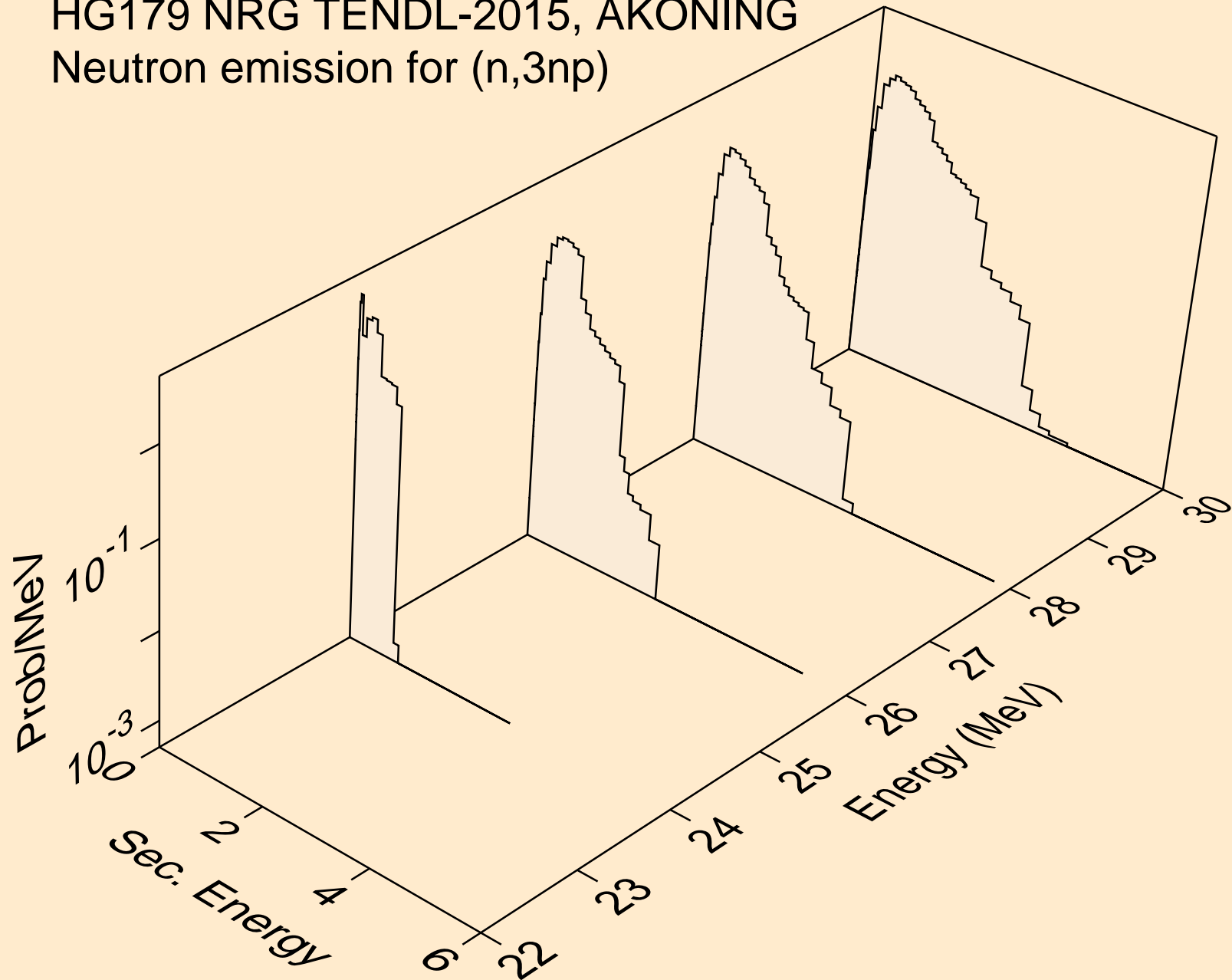
HG179 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



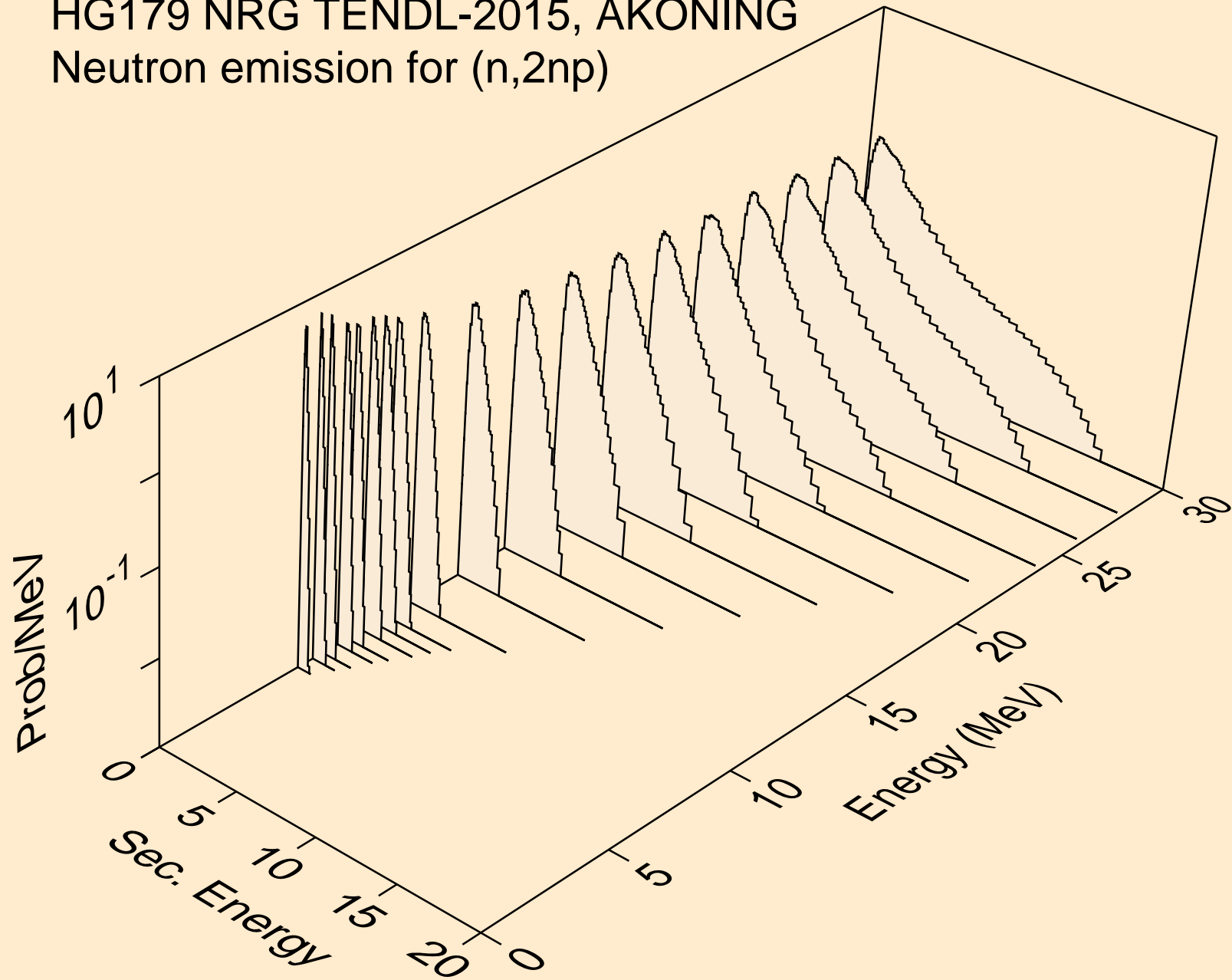
HG179 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



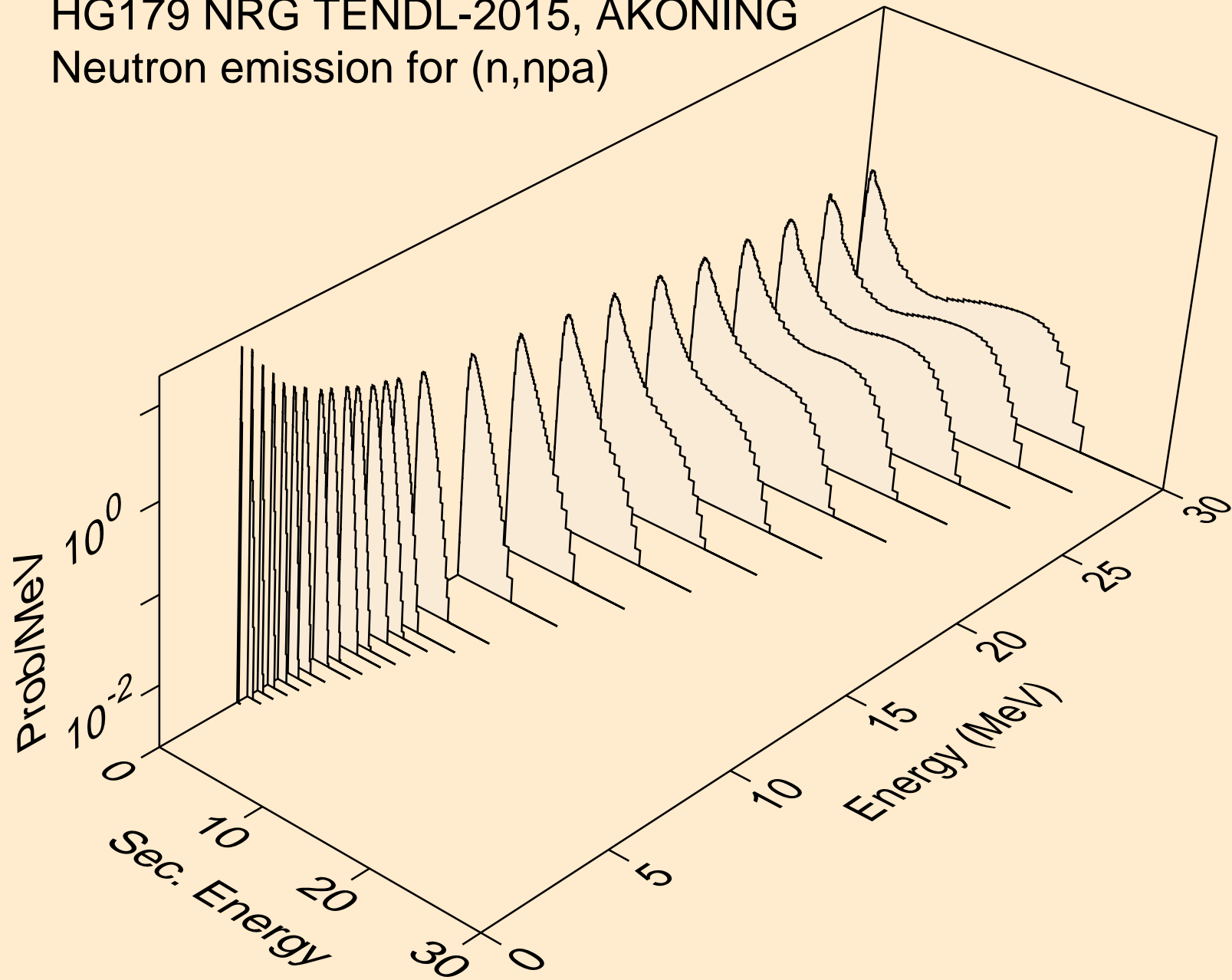
HG179 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



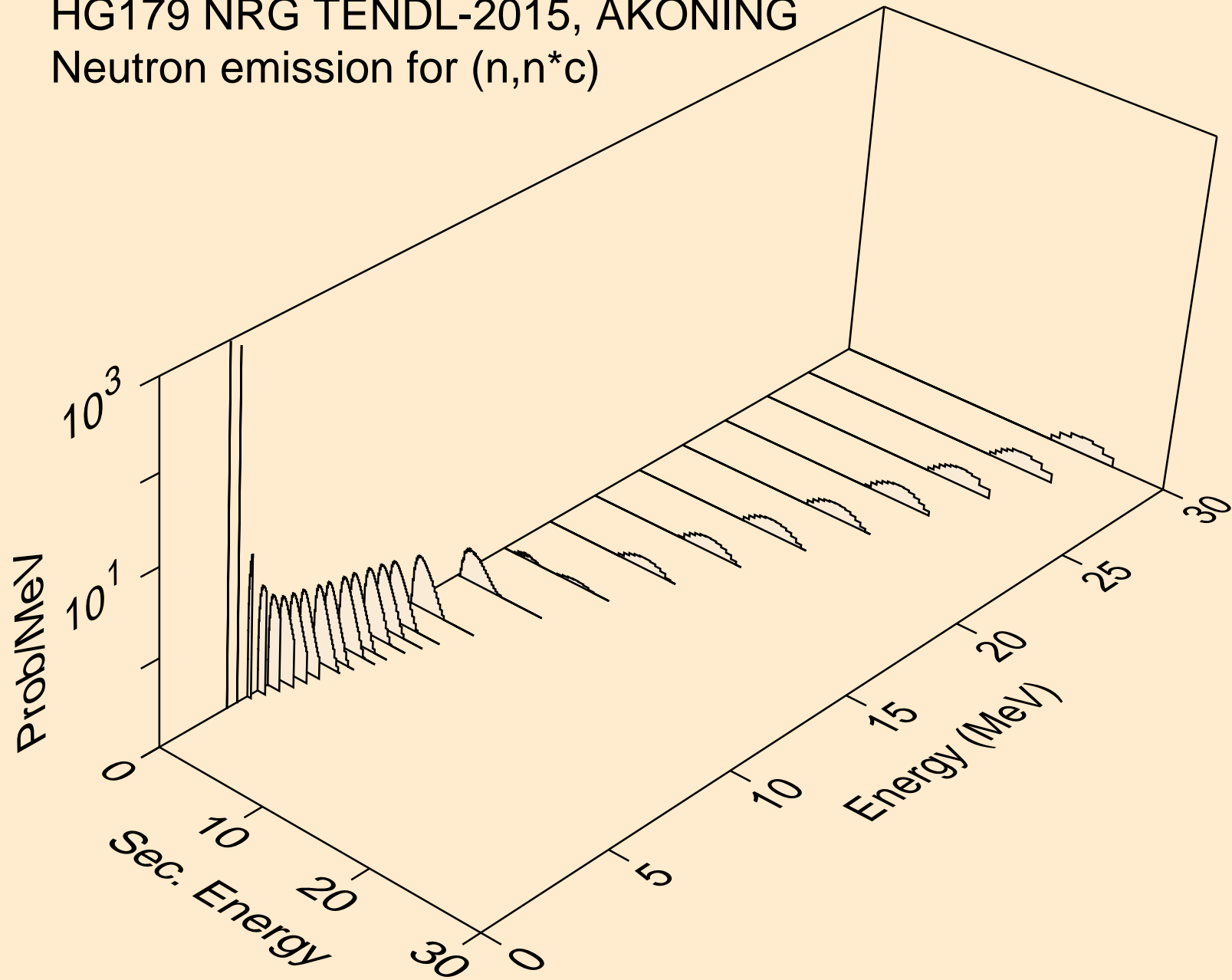
HG179 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



HG179 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)

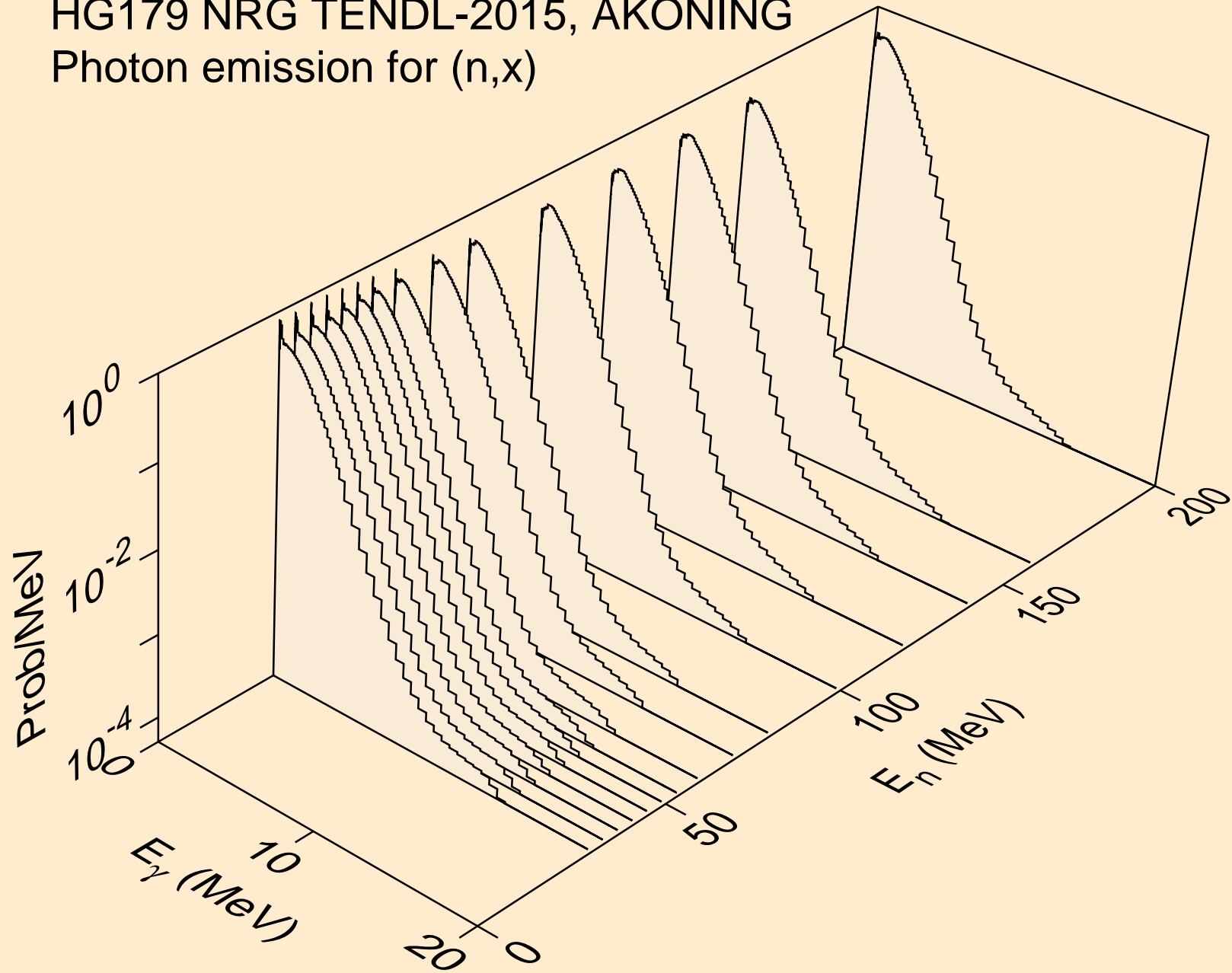


HG179 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)

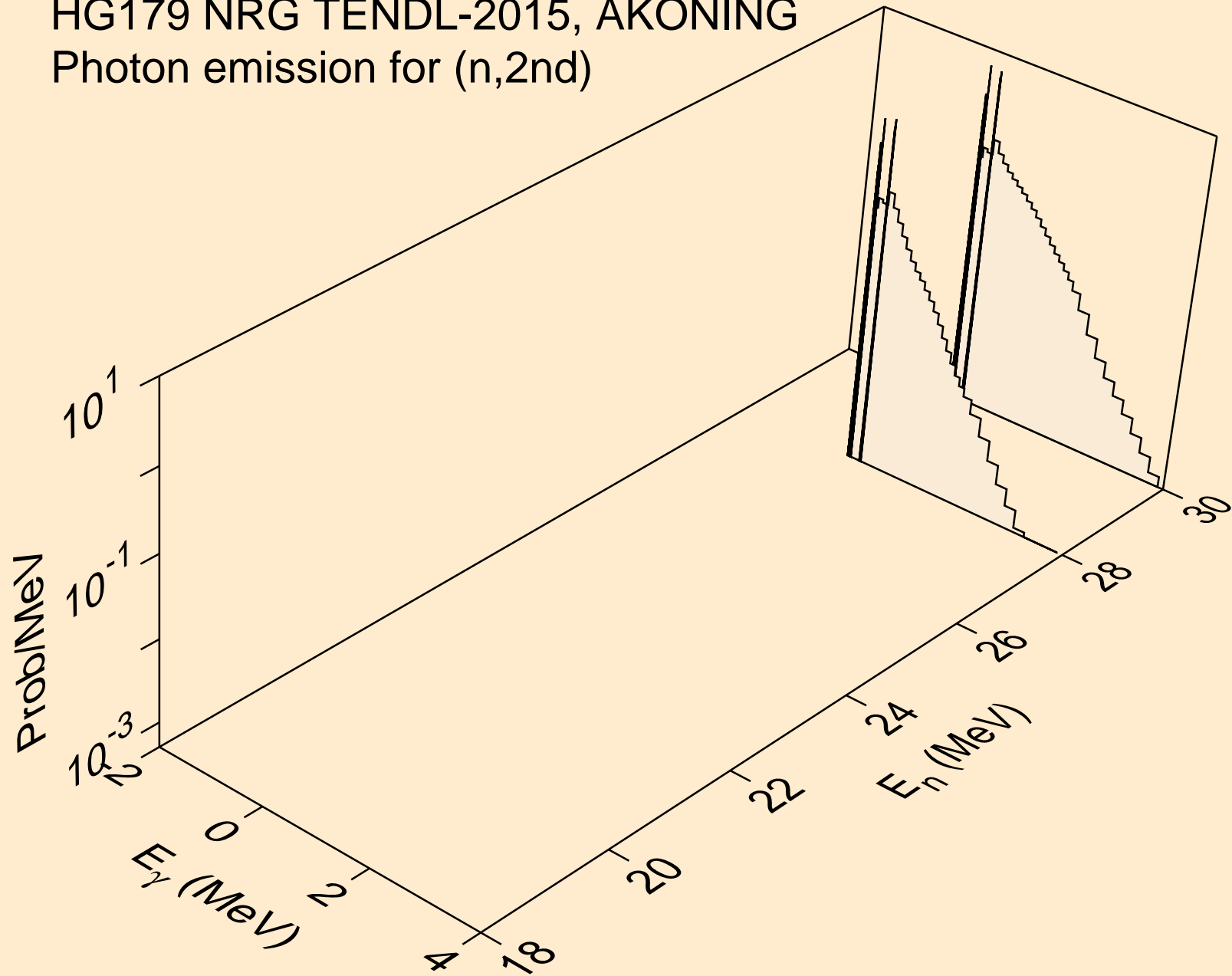




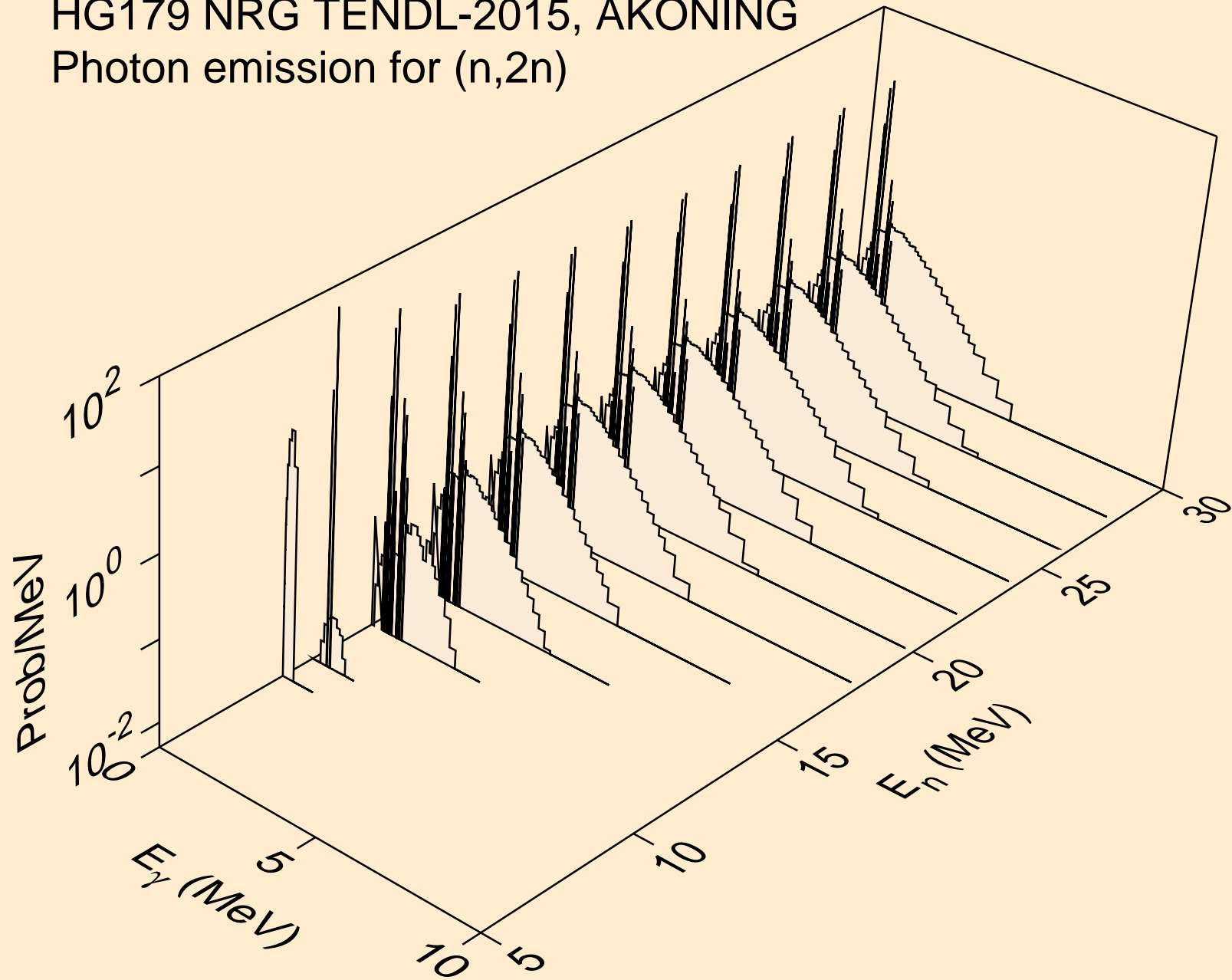
HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



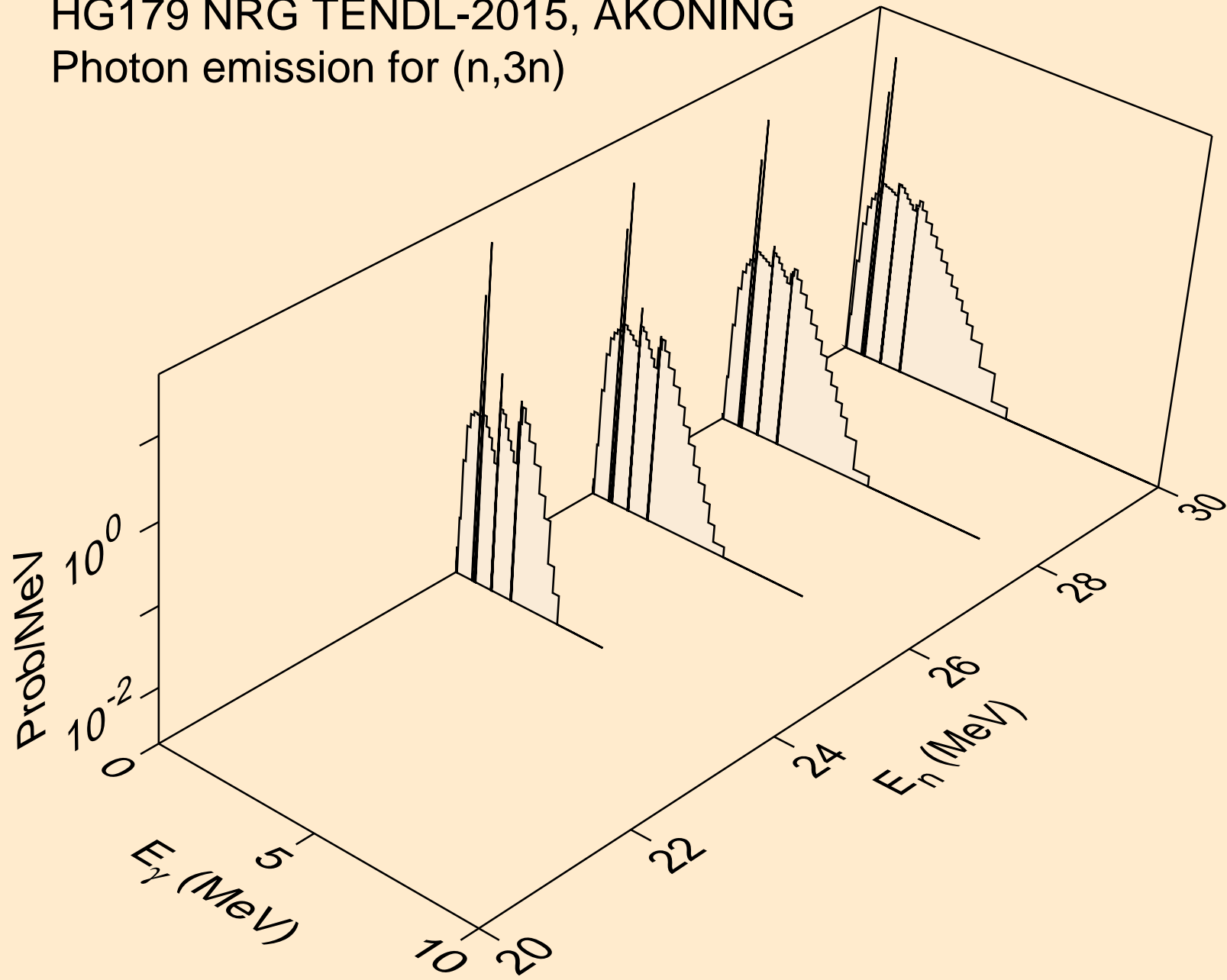
HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



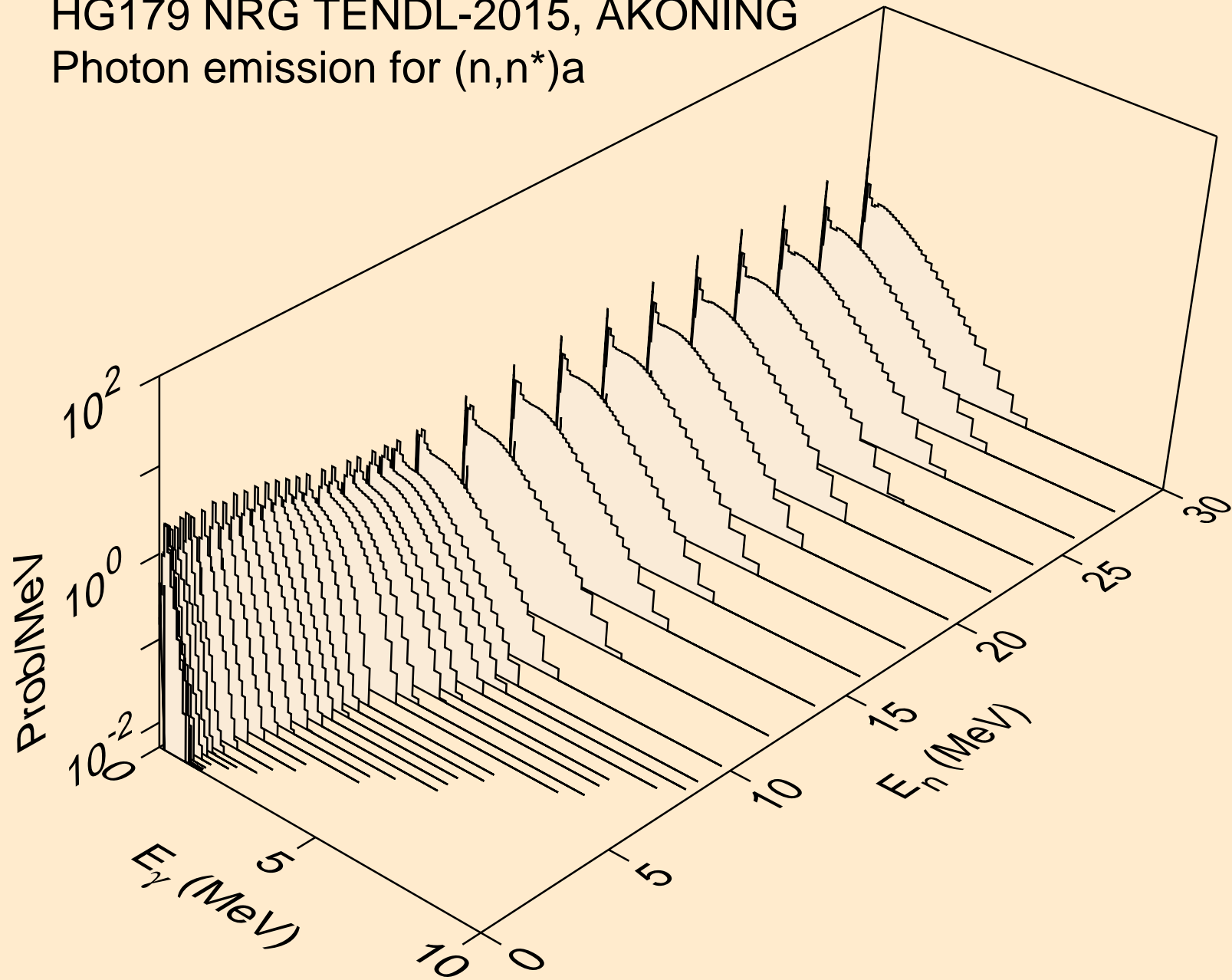
HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



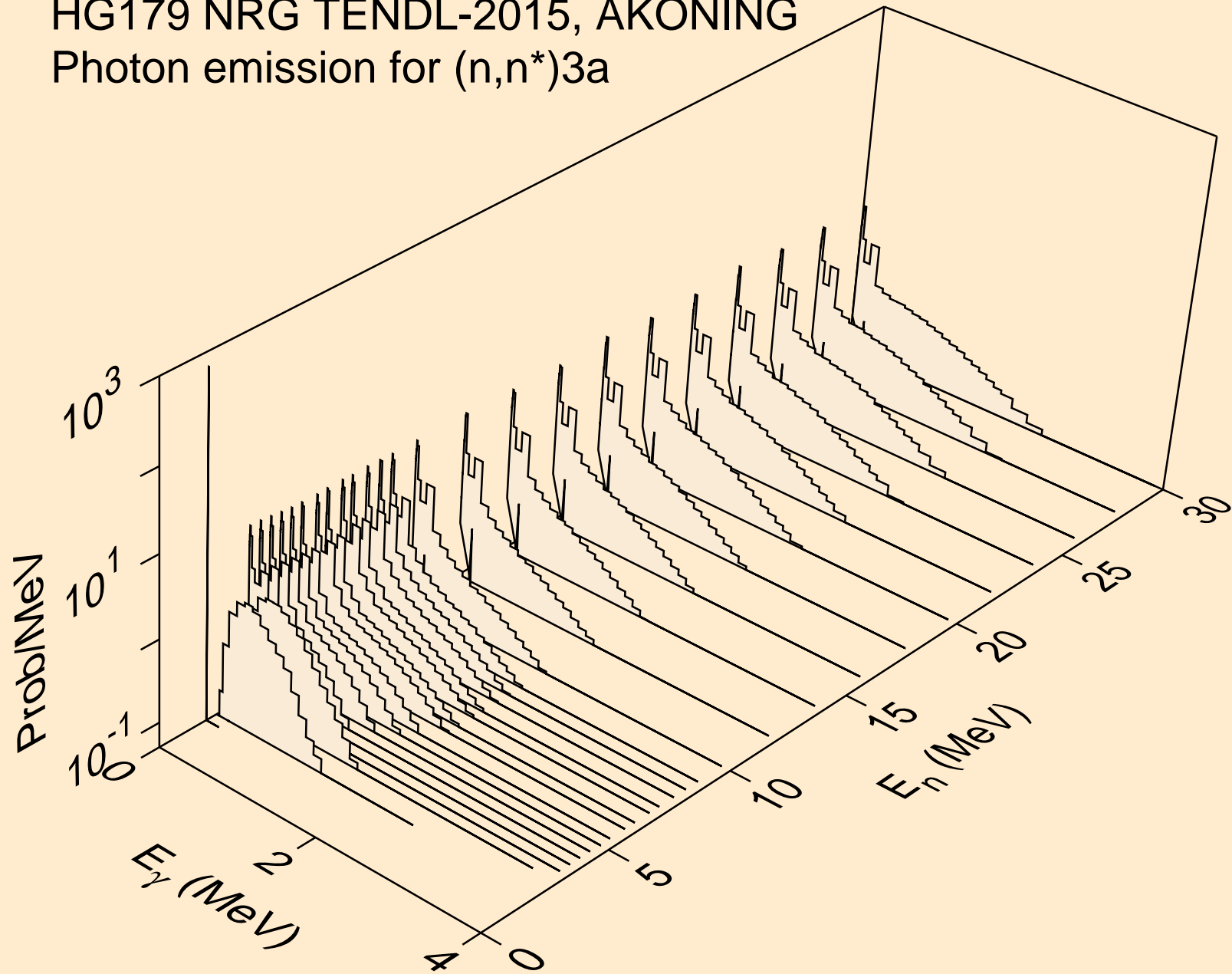
HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



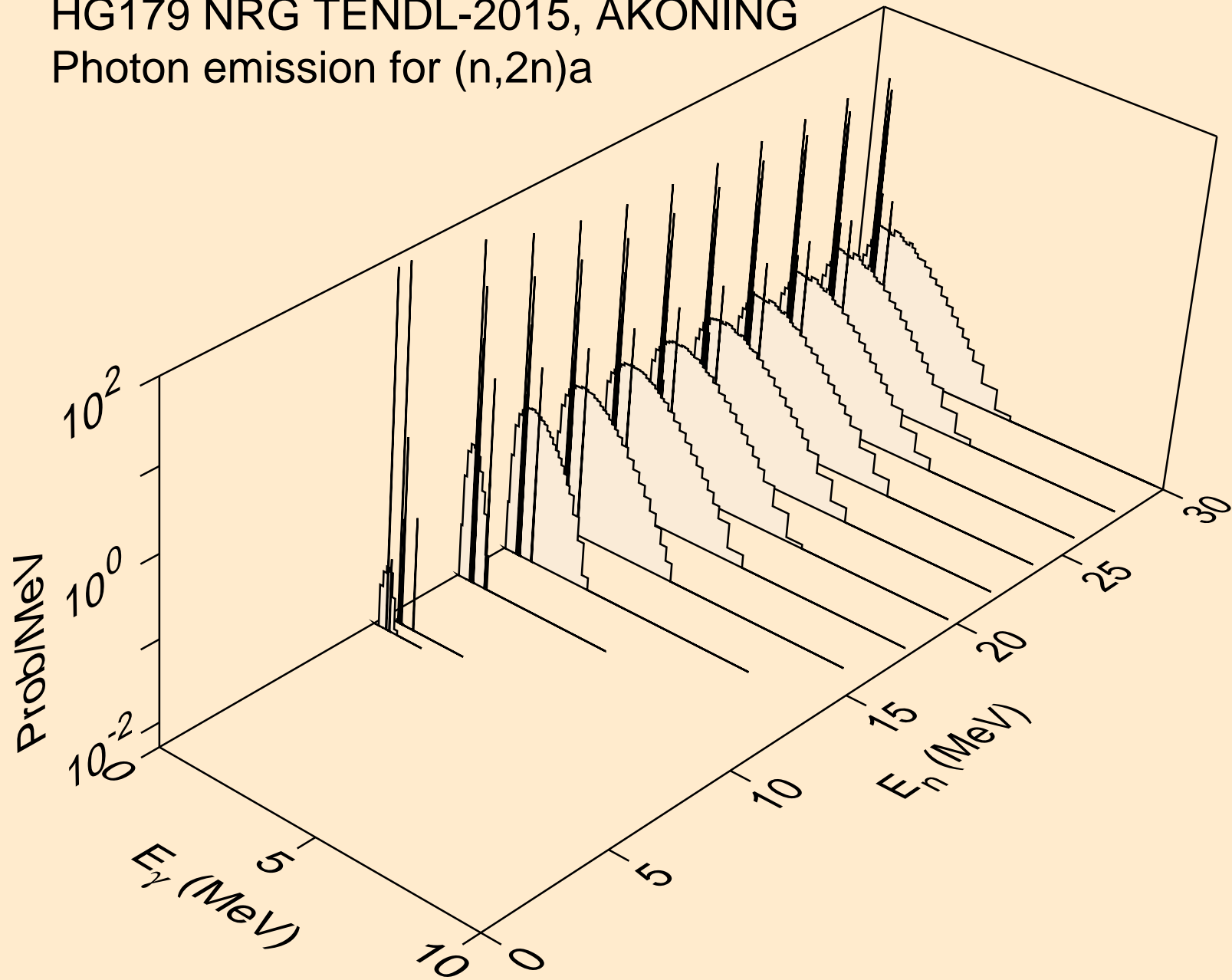
HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



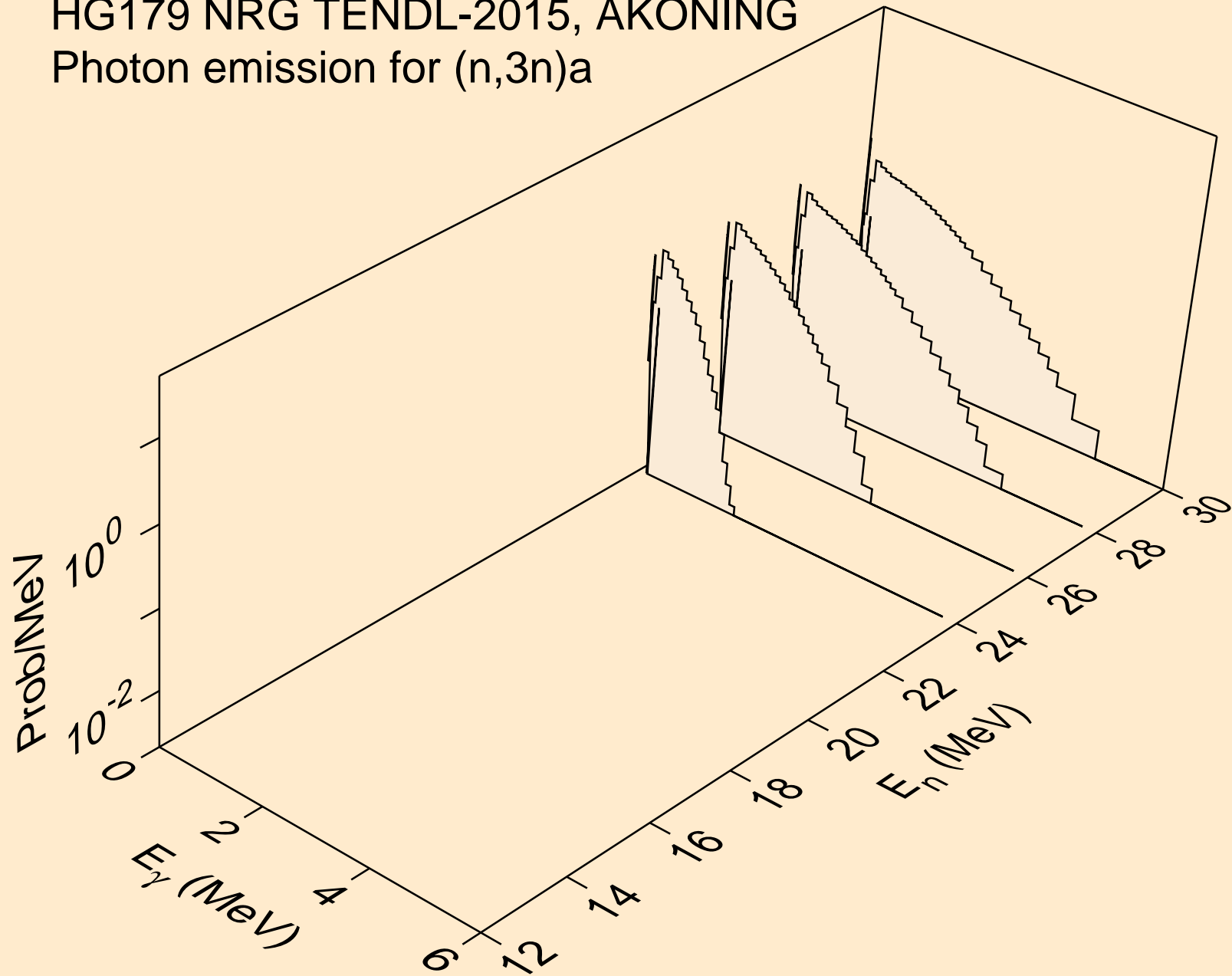
HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)3a



HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a

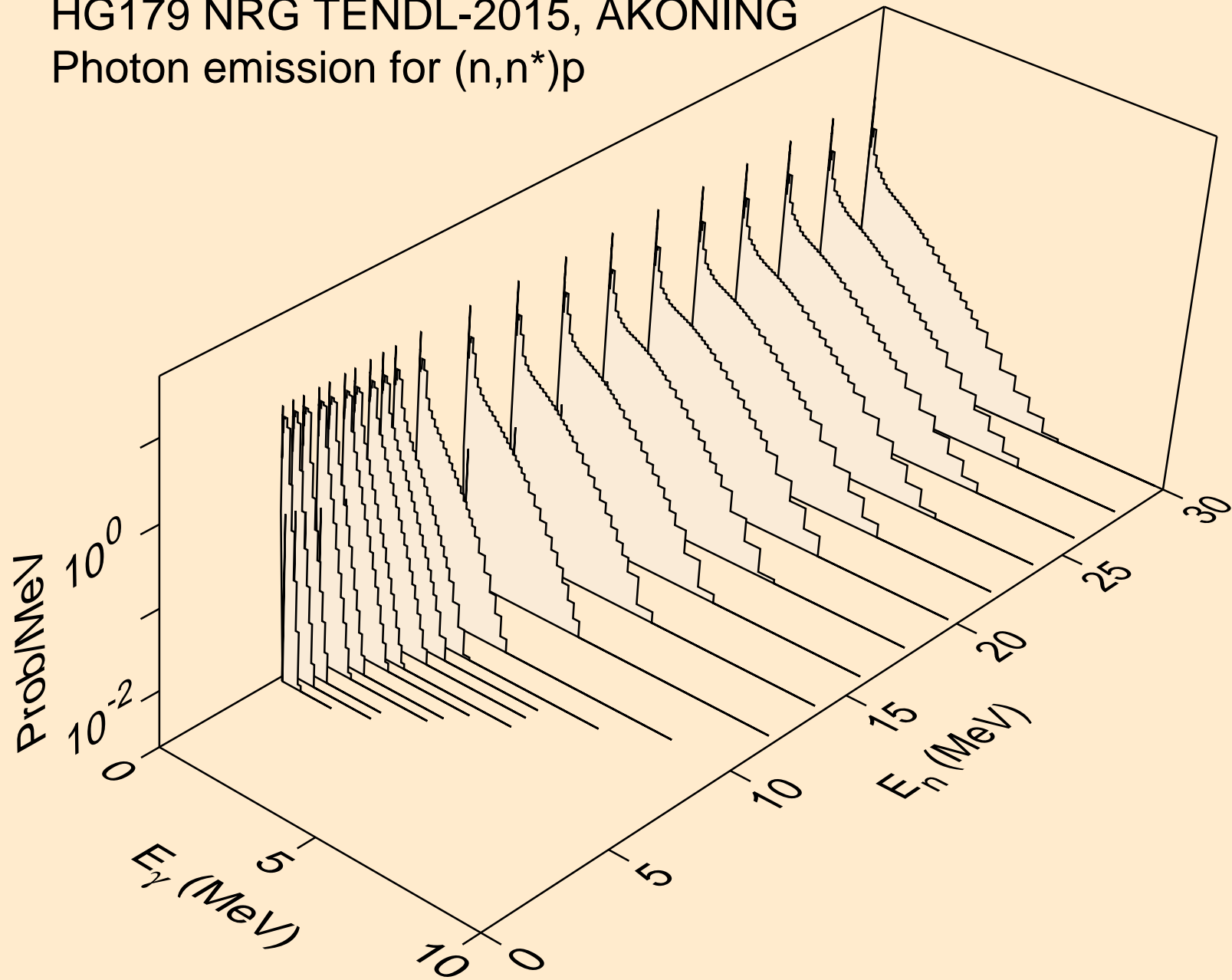


HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a

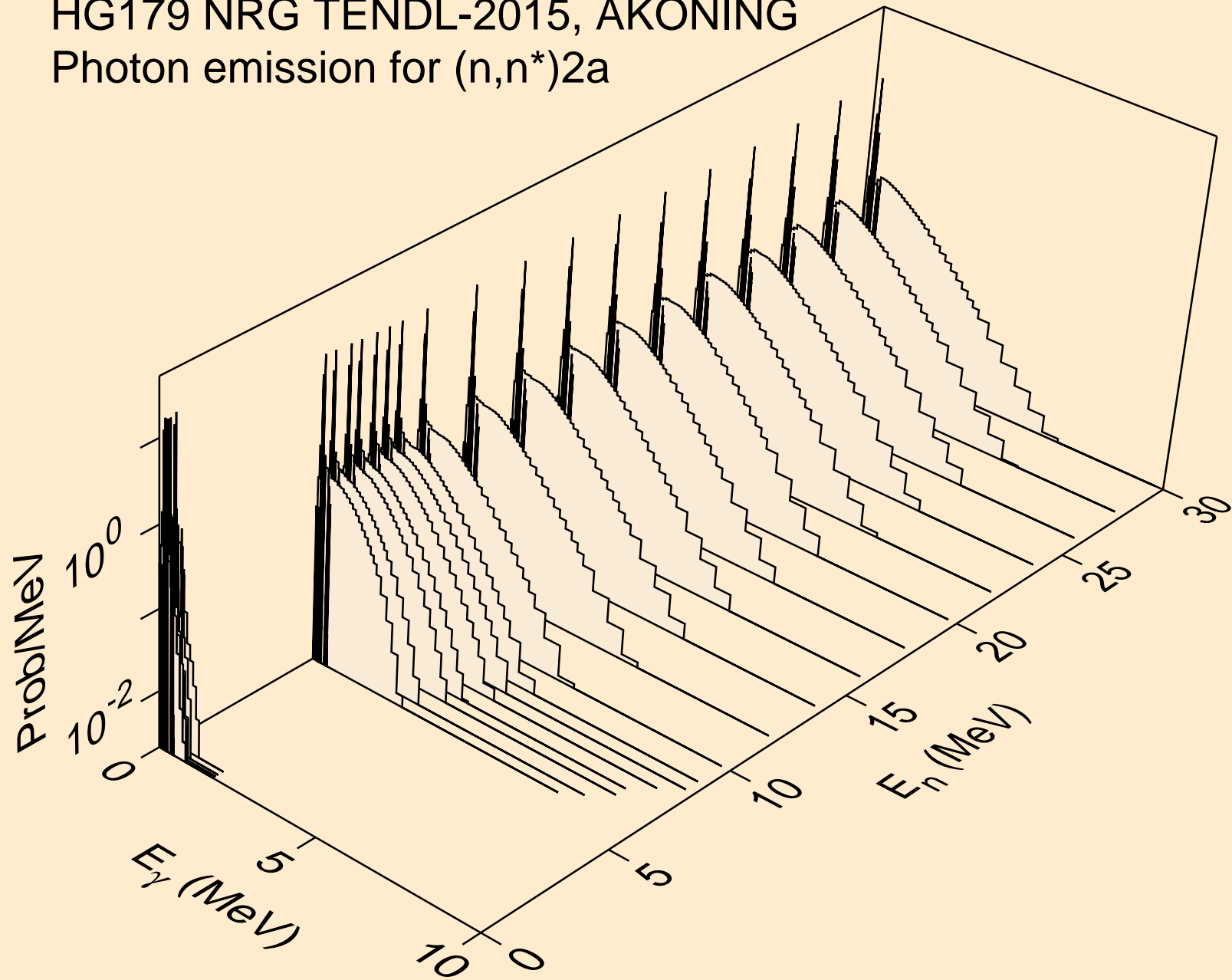




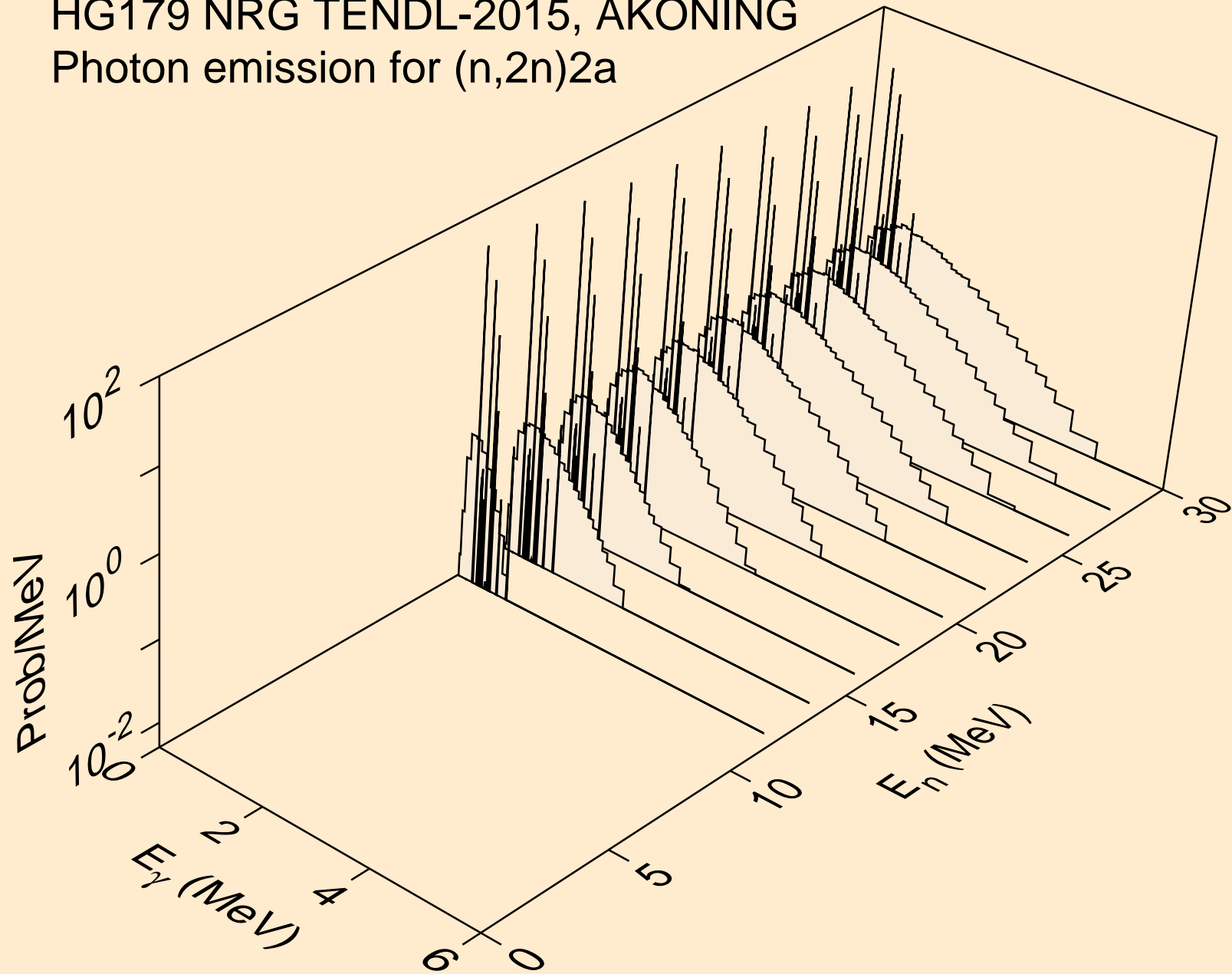
HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



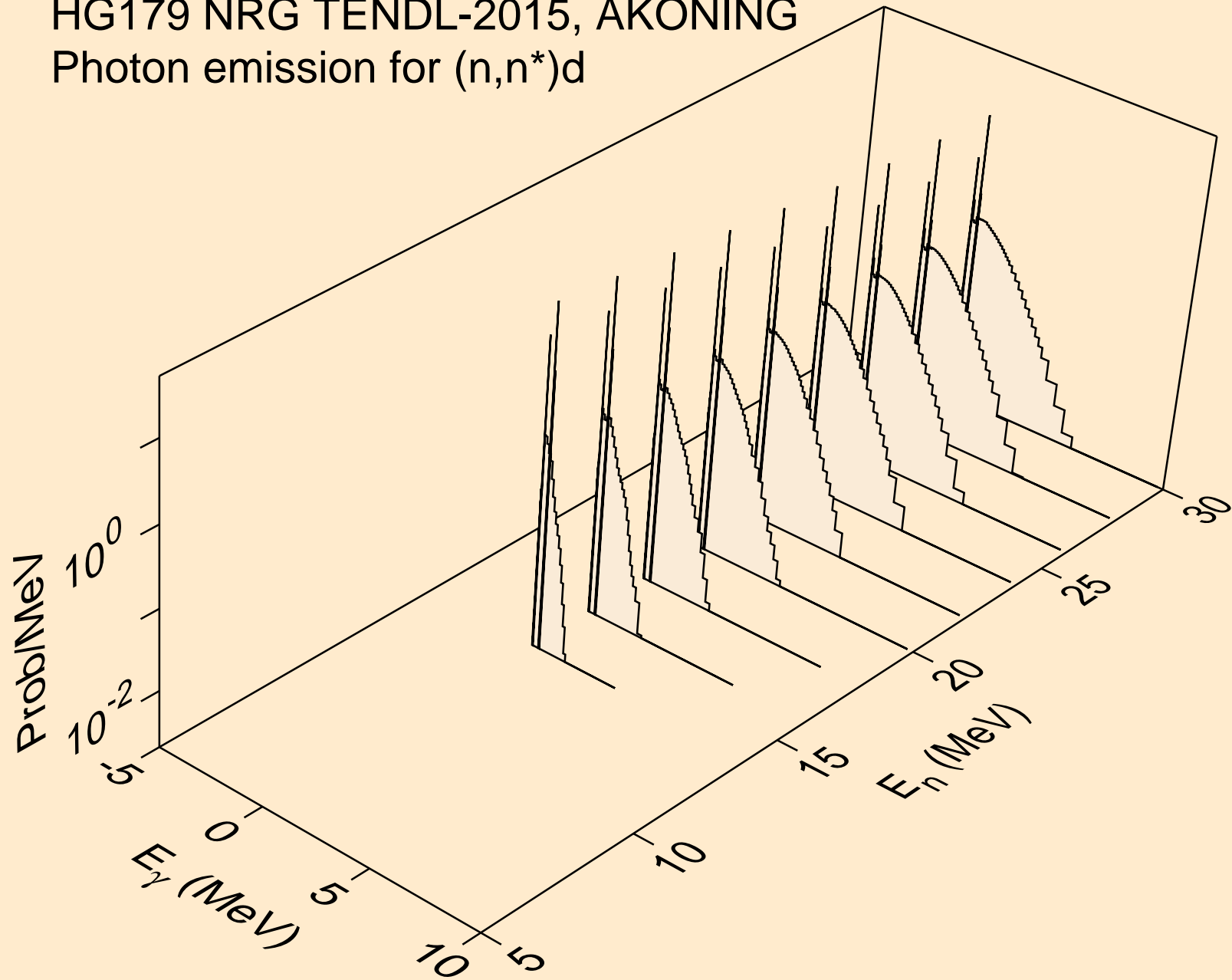
HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



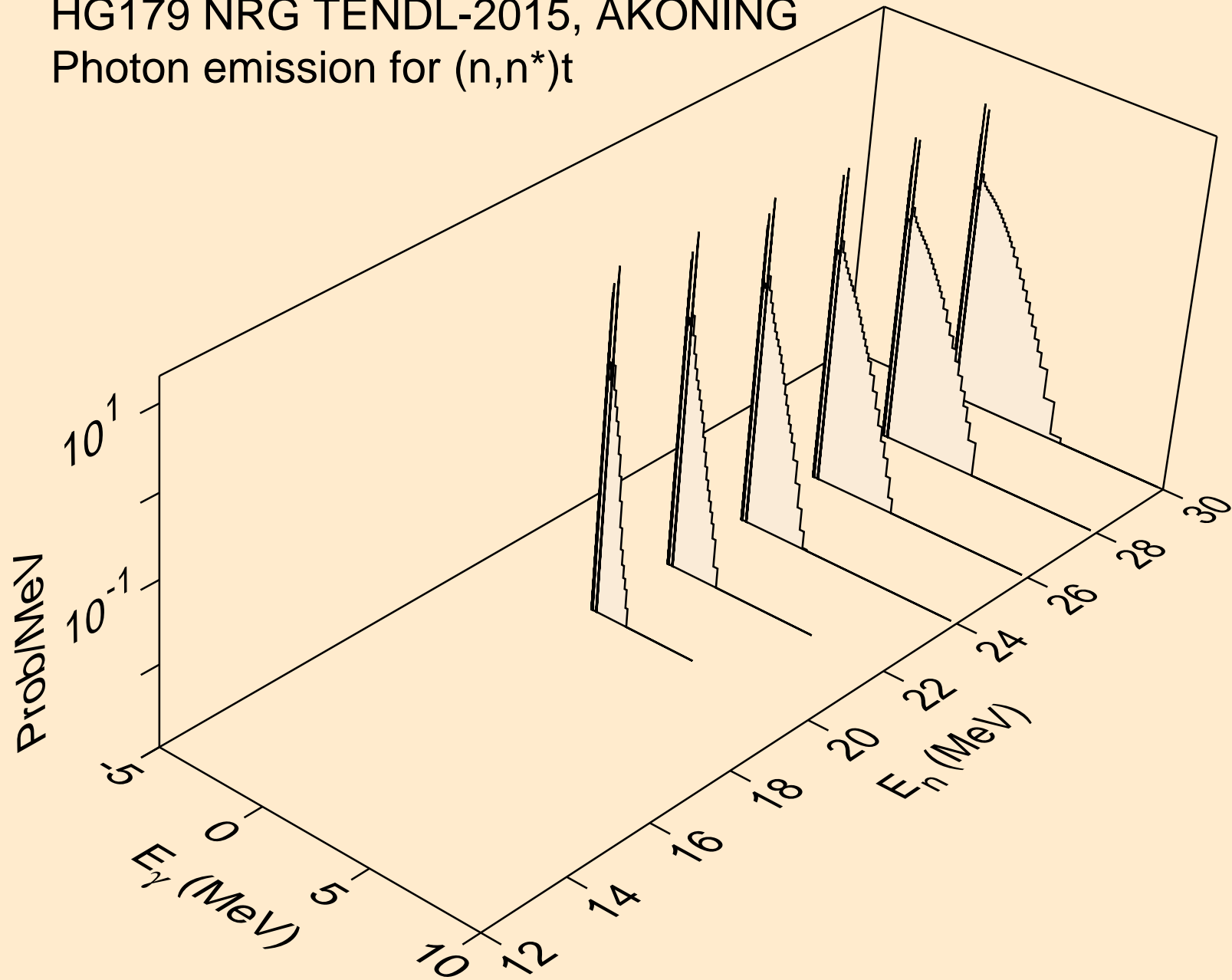
HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a



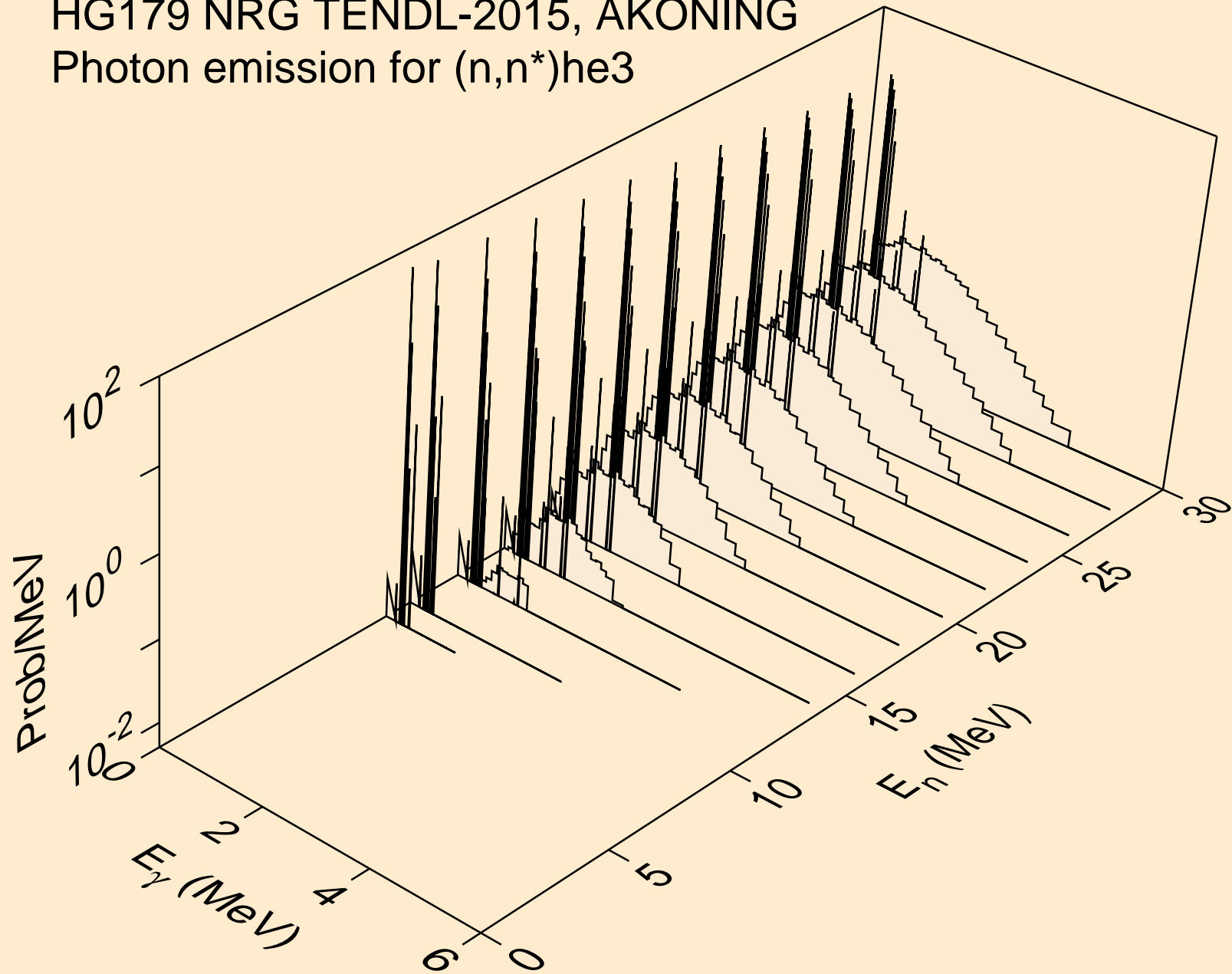
HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d



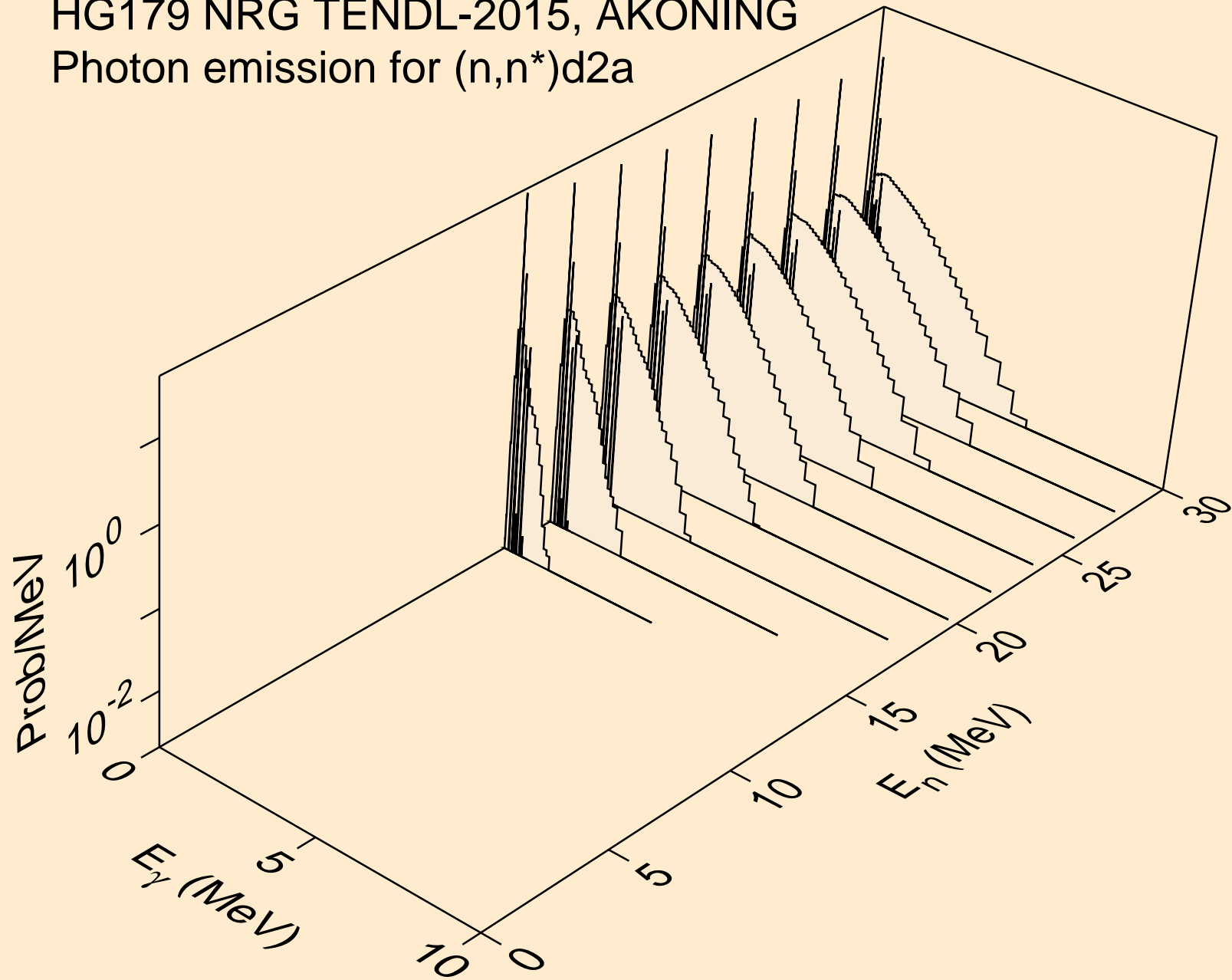
HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



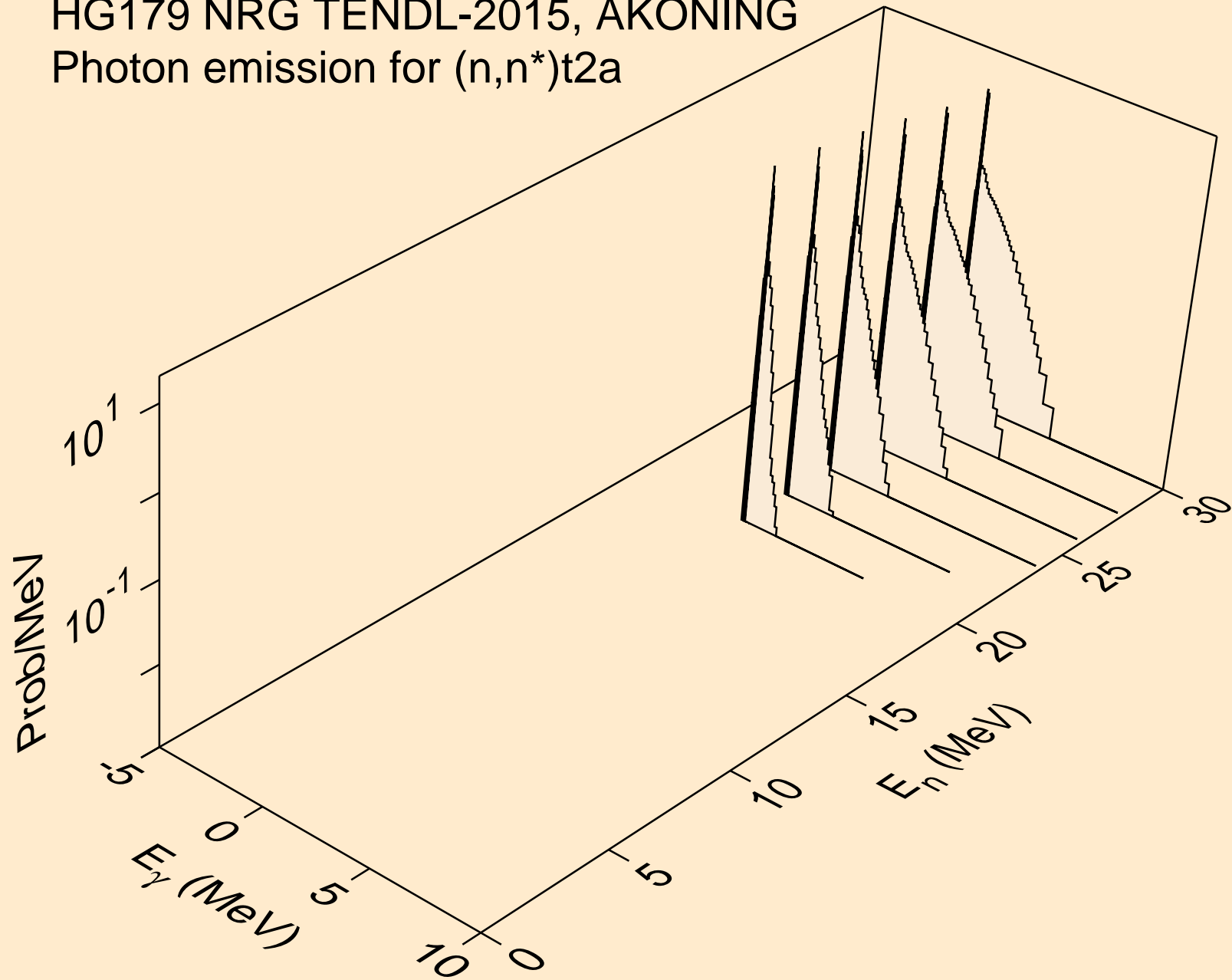
HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d2a

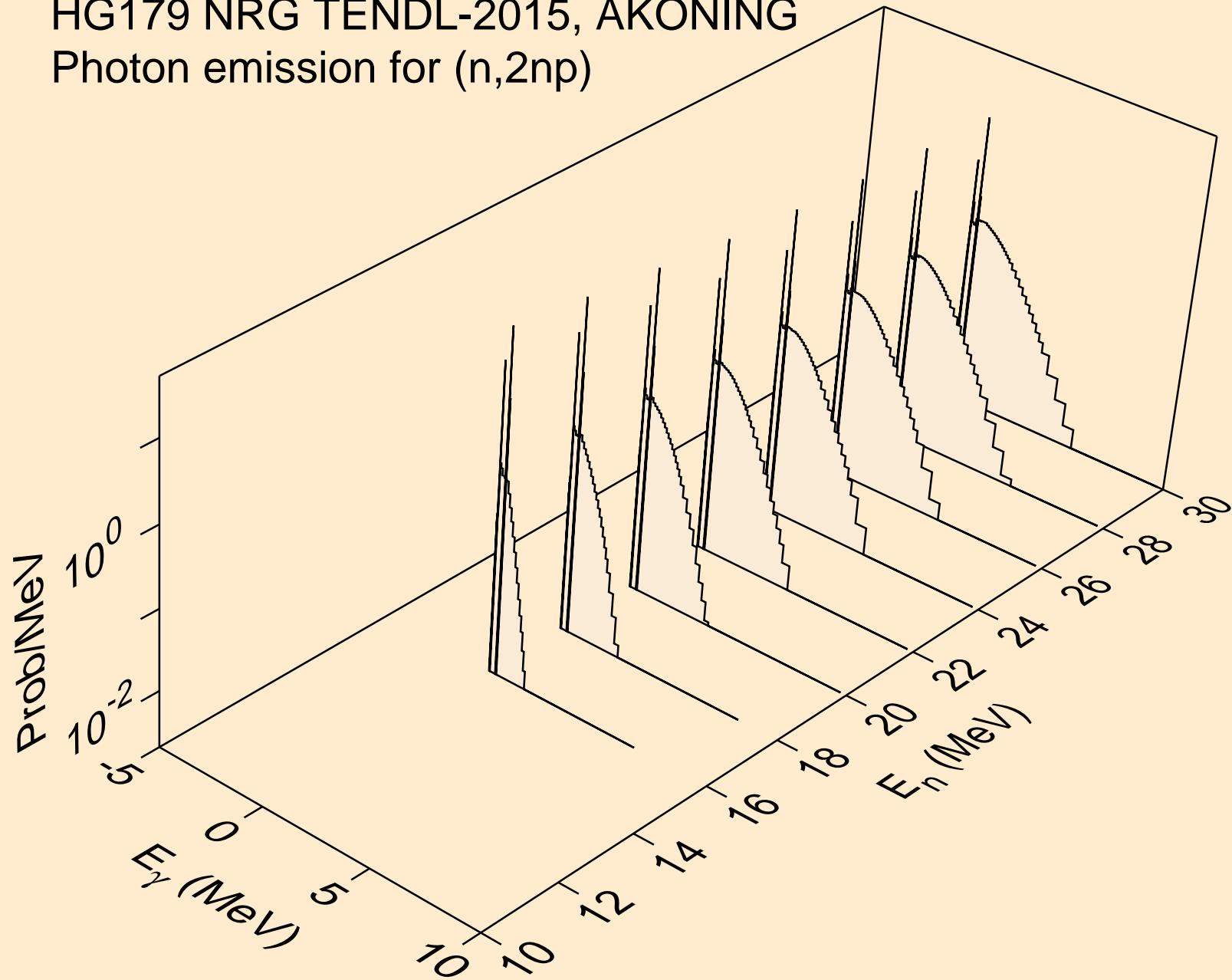


HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t2a

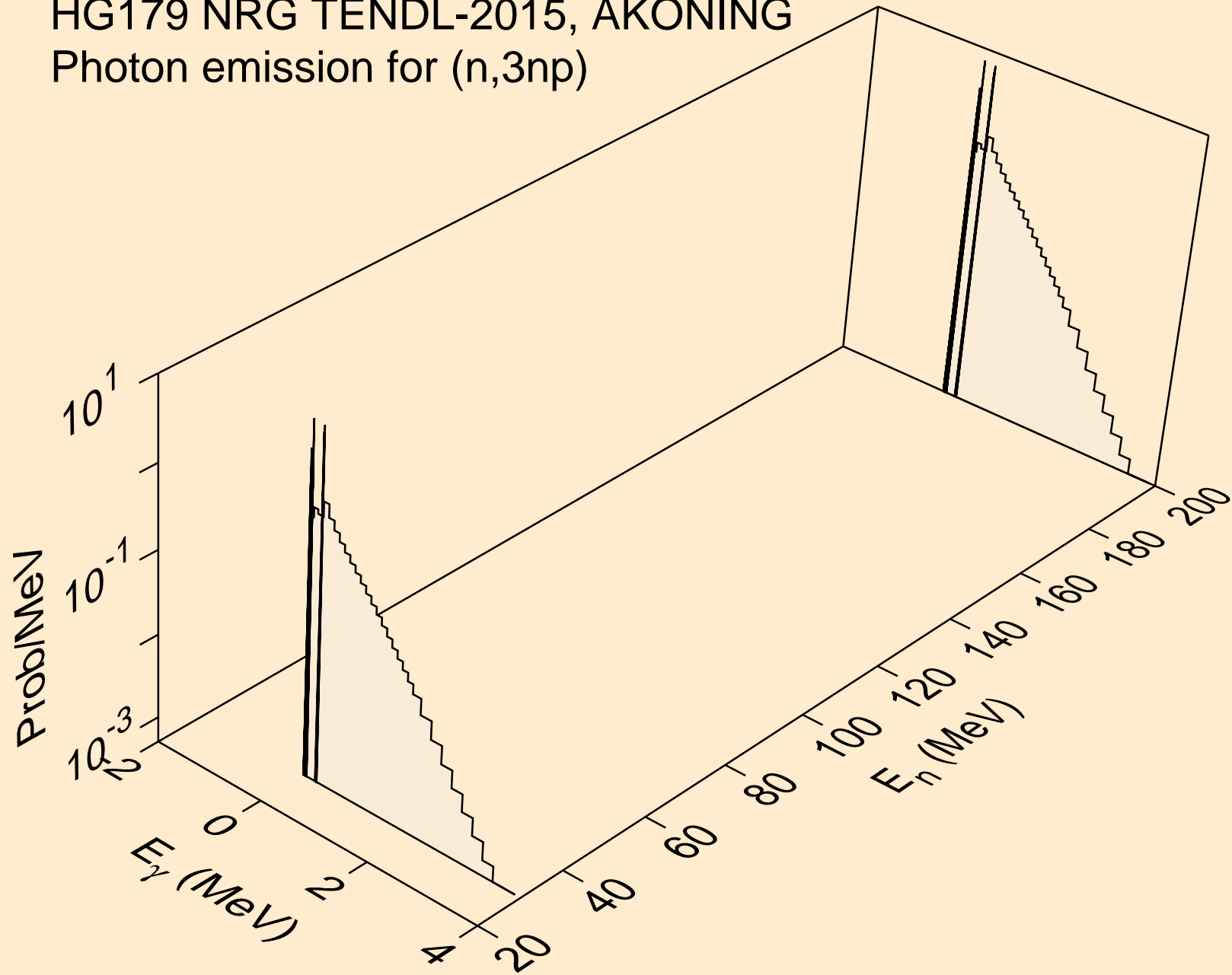




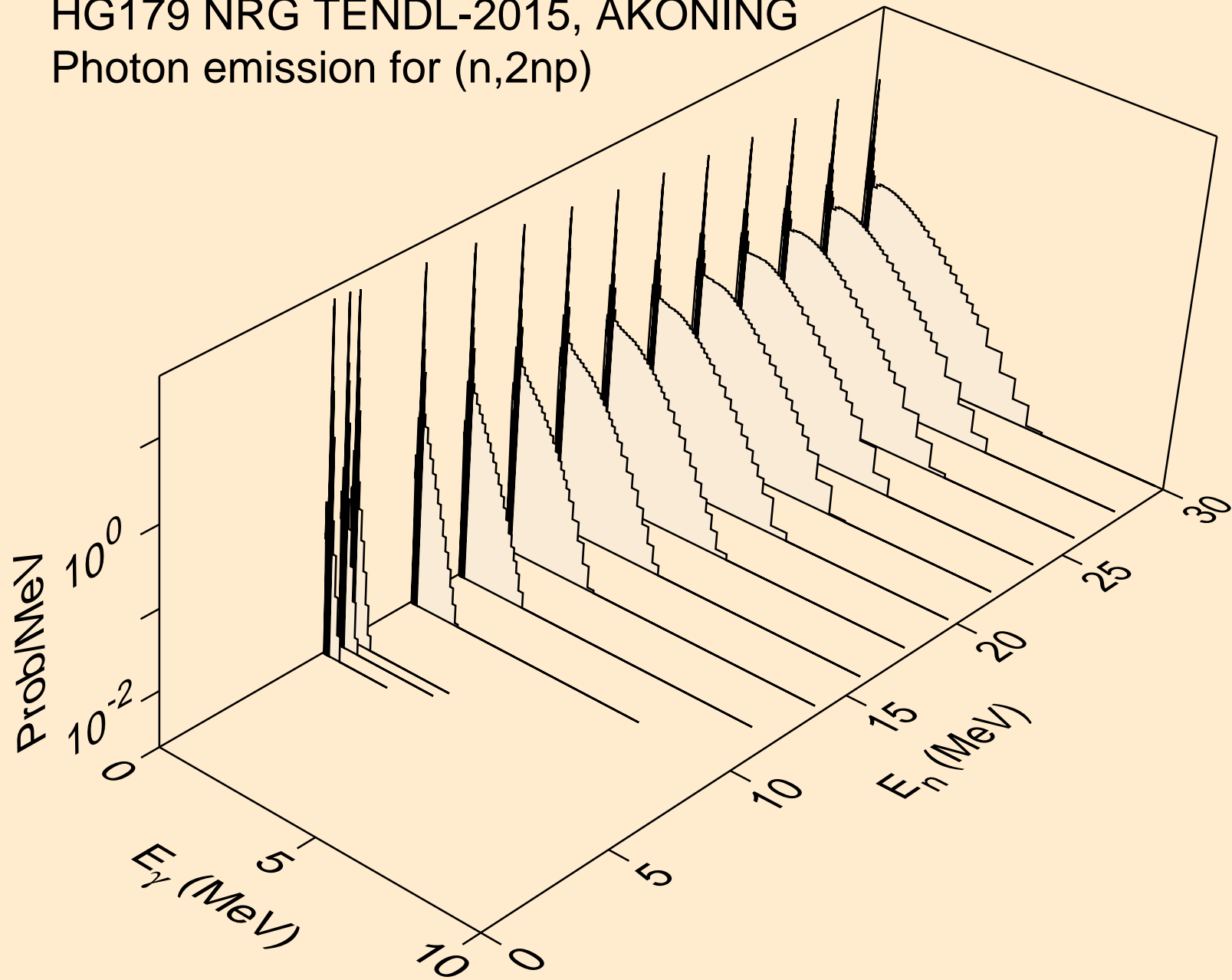
HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



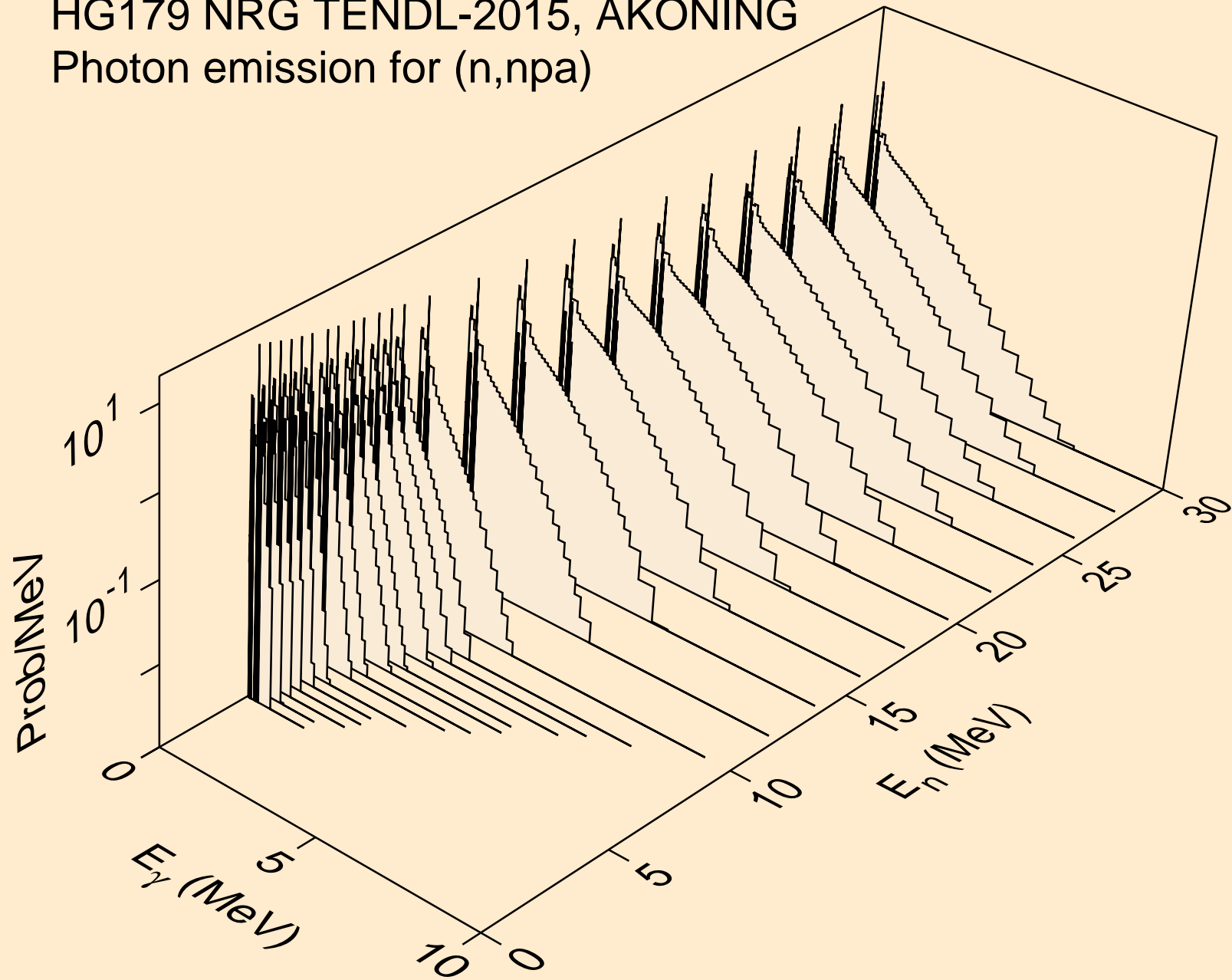
HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



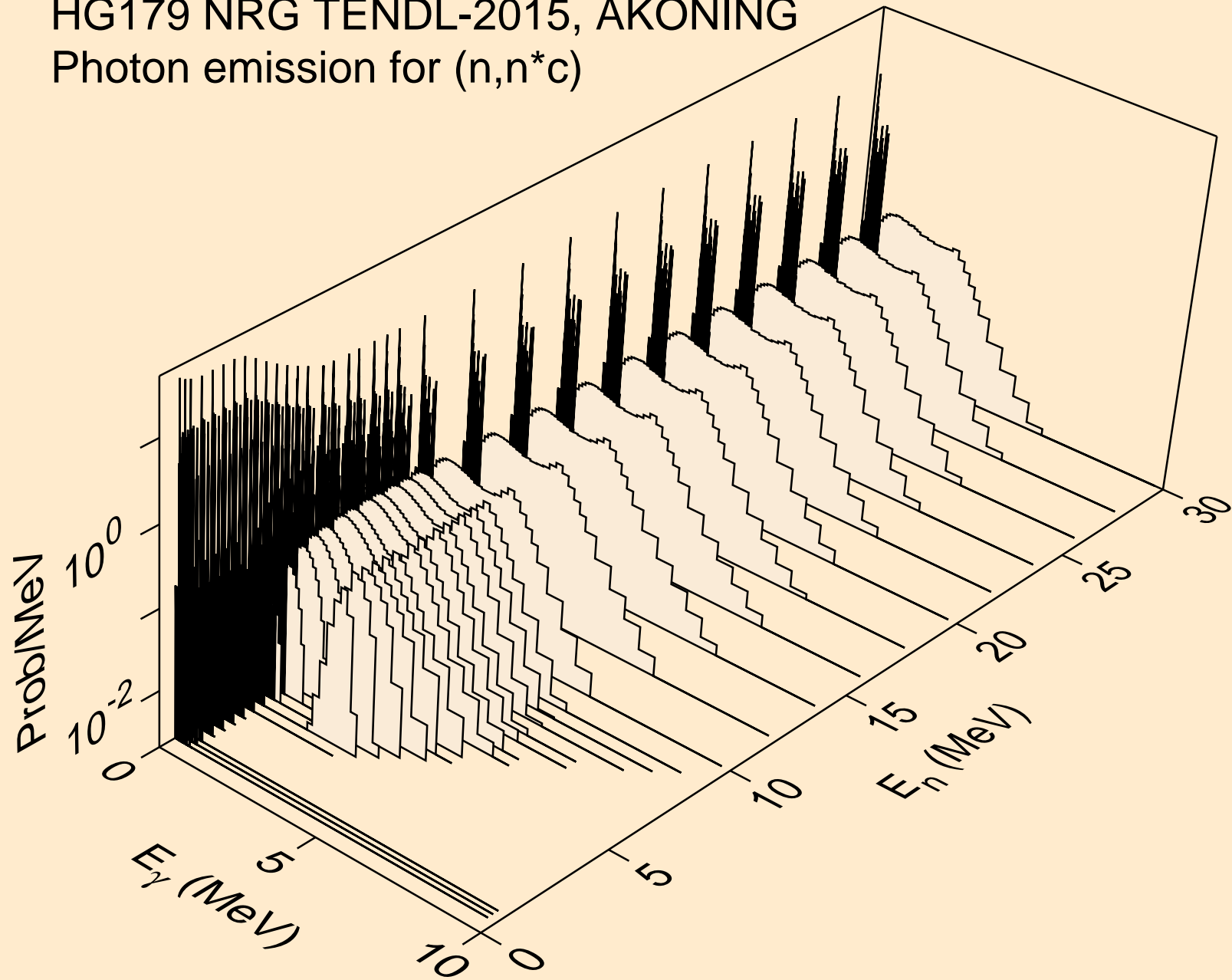
HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



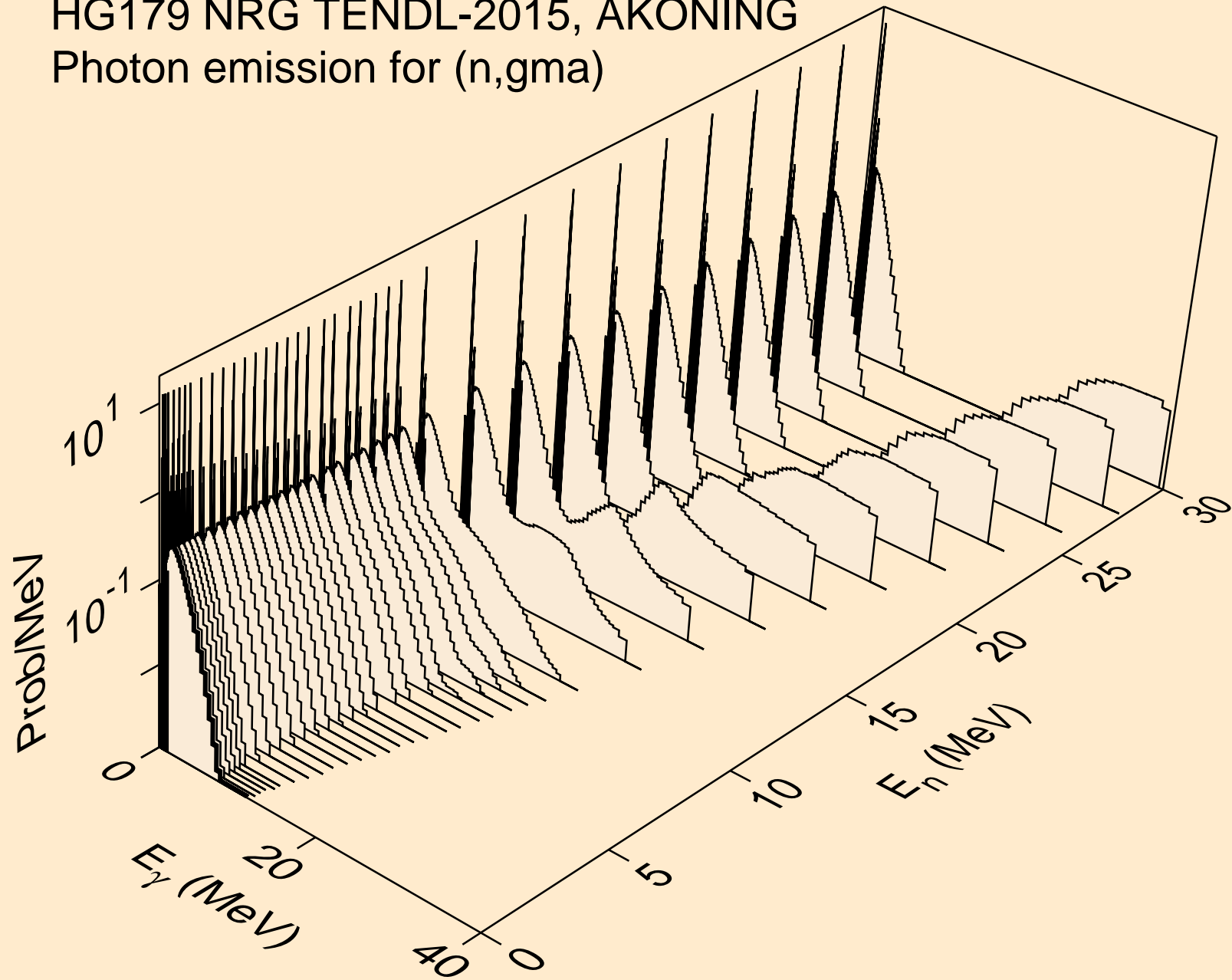
HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



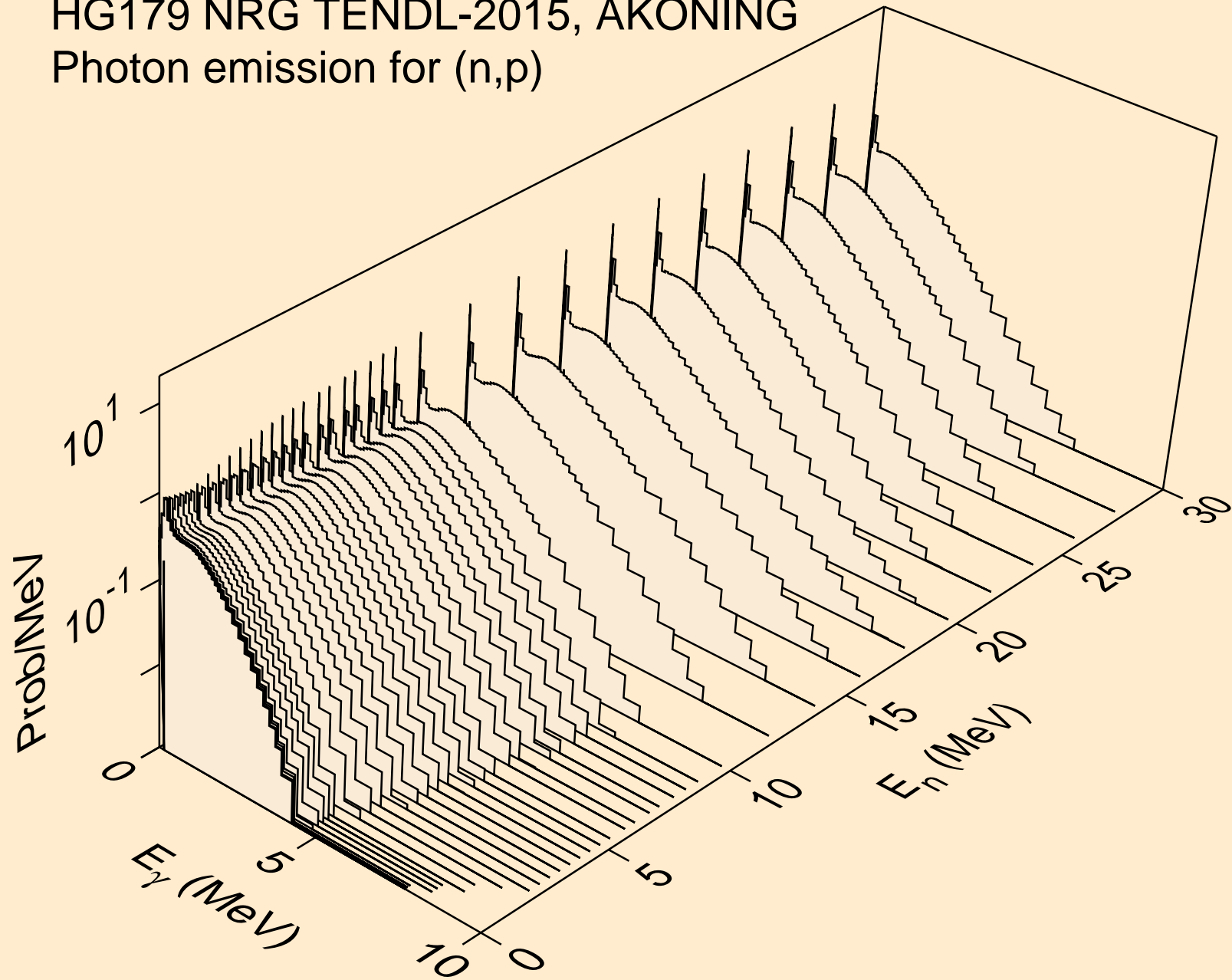
HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



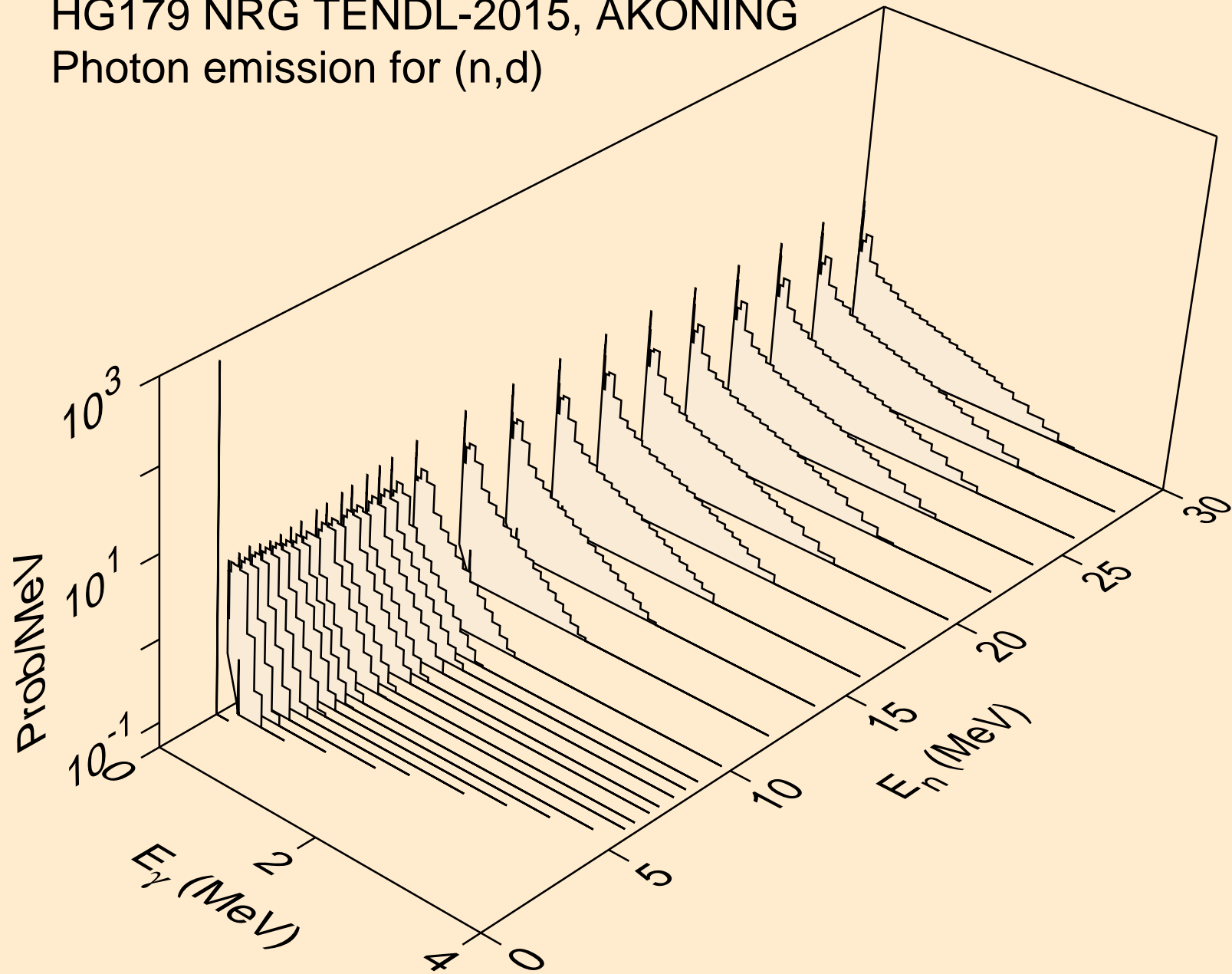
HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,p)

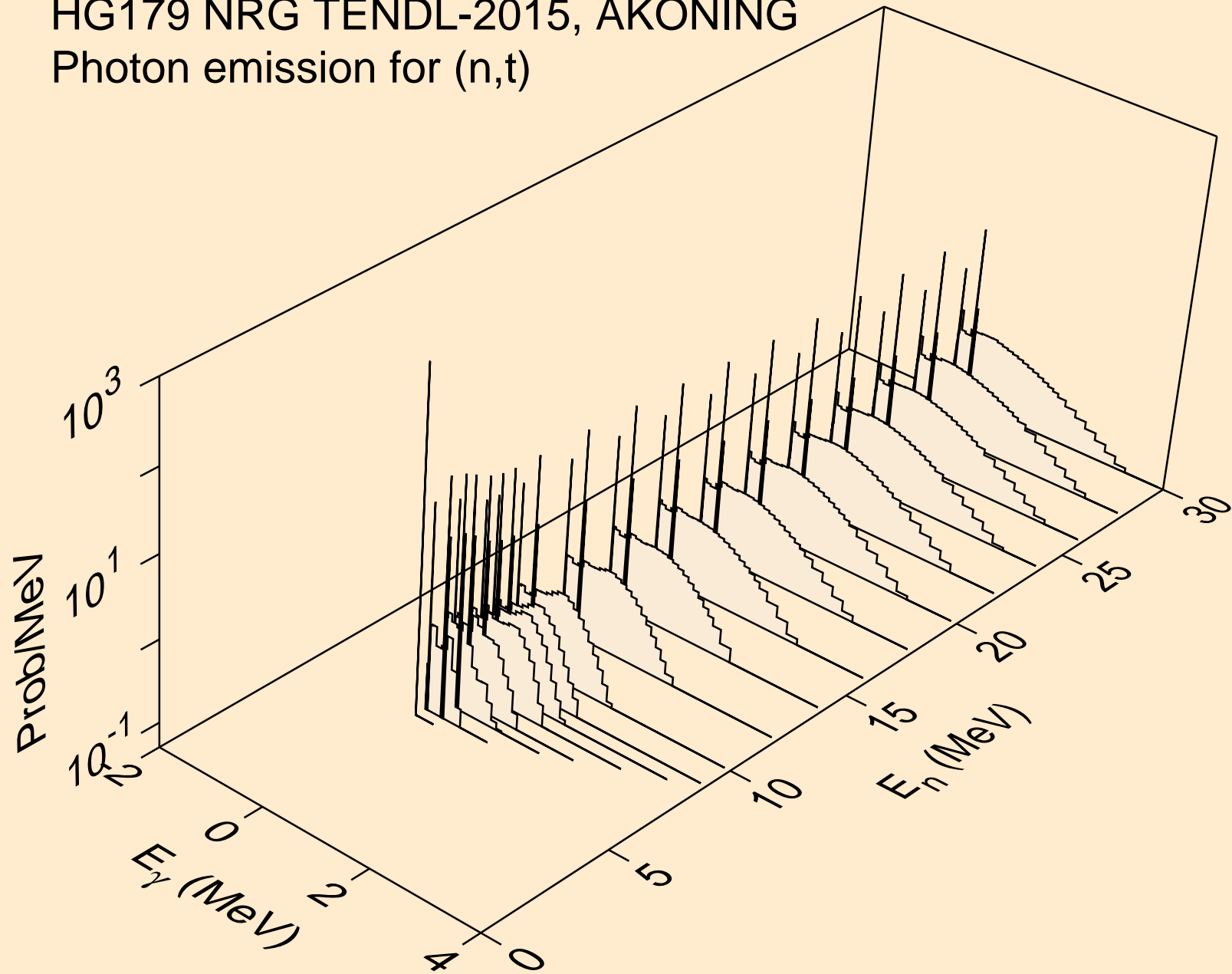


HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,d)

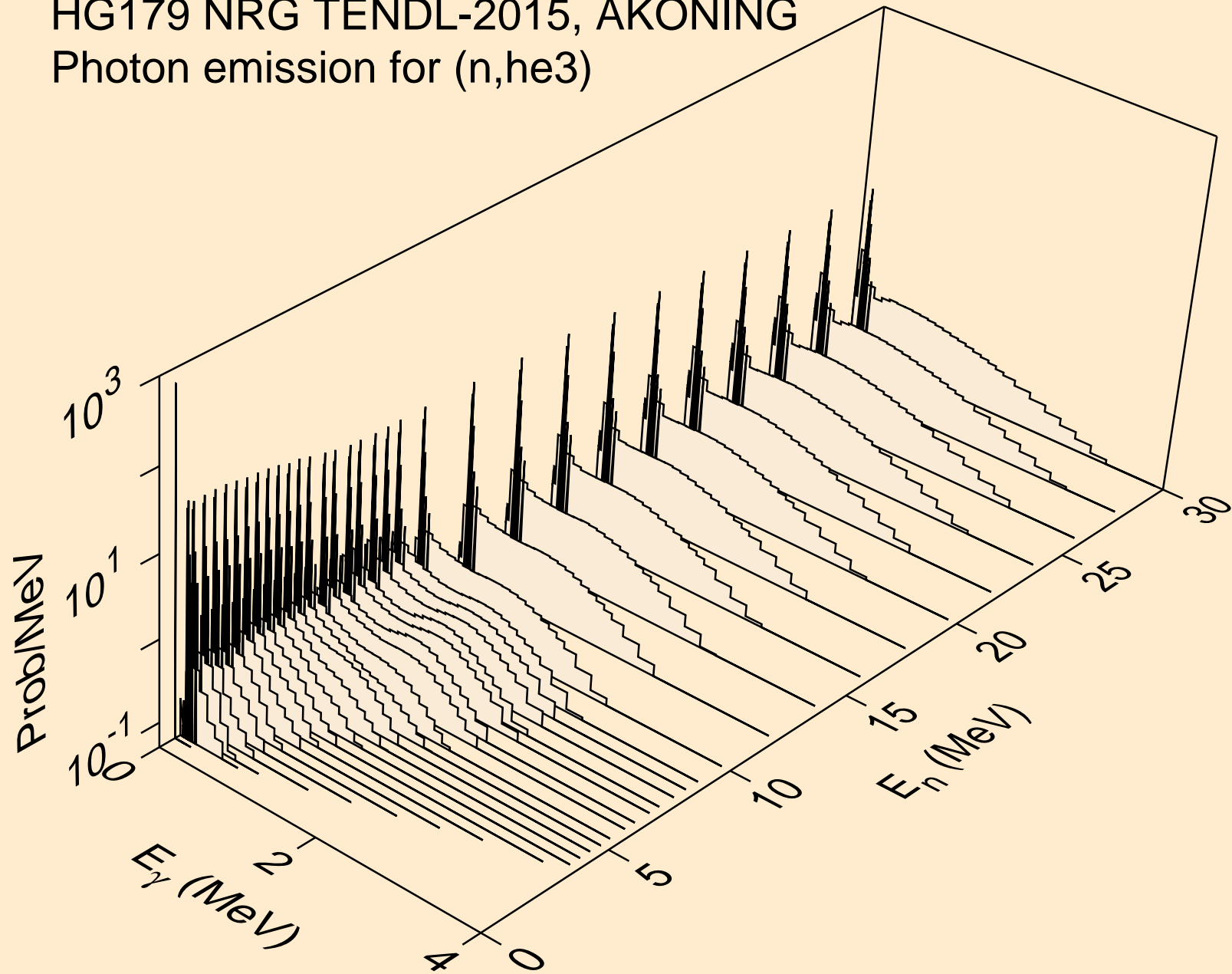




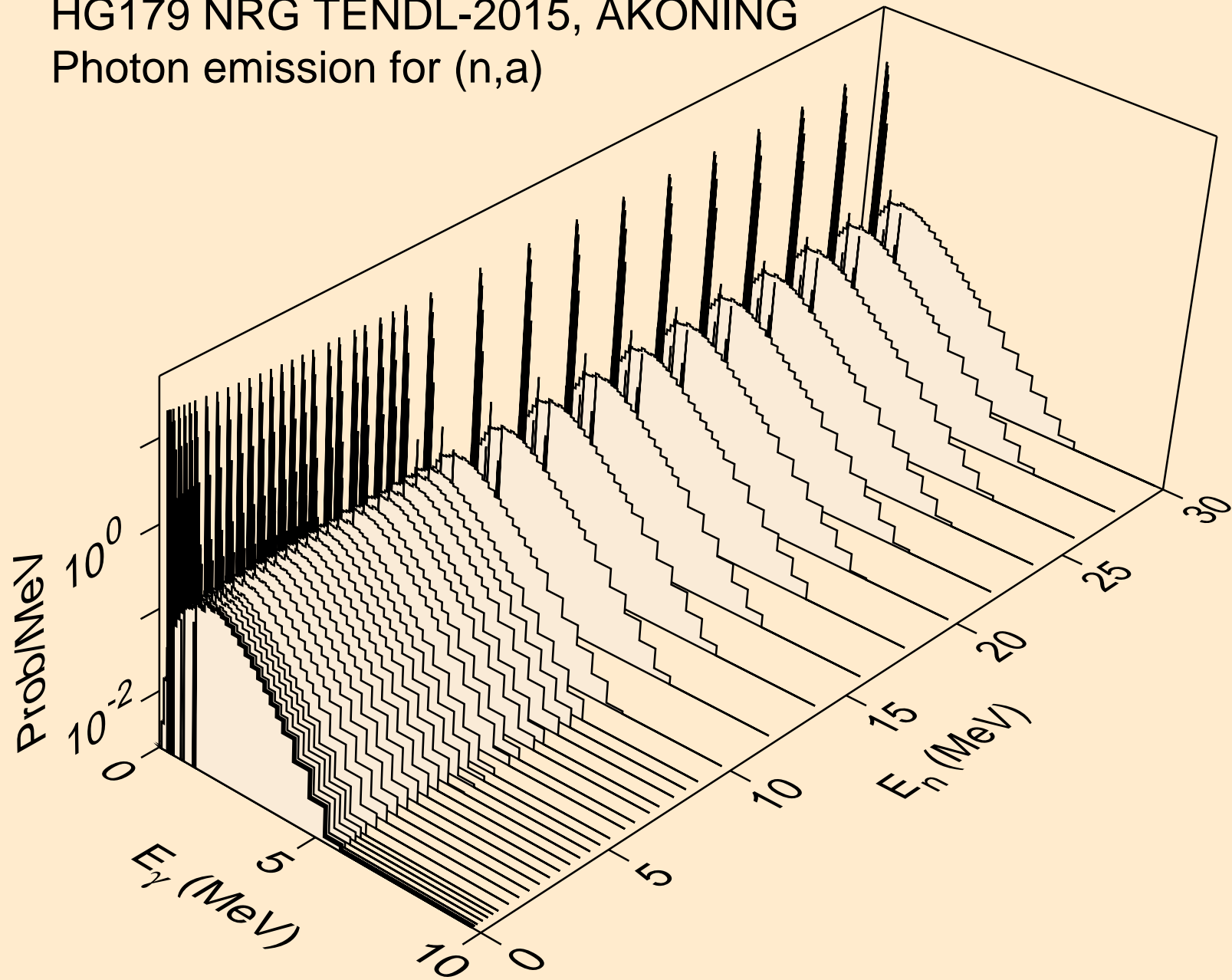
HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



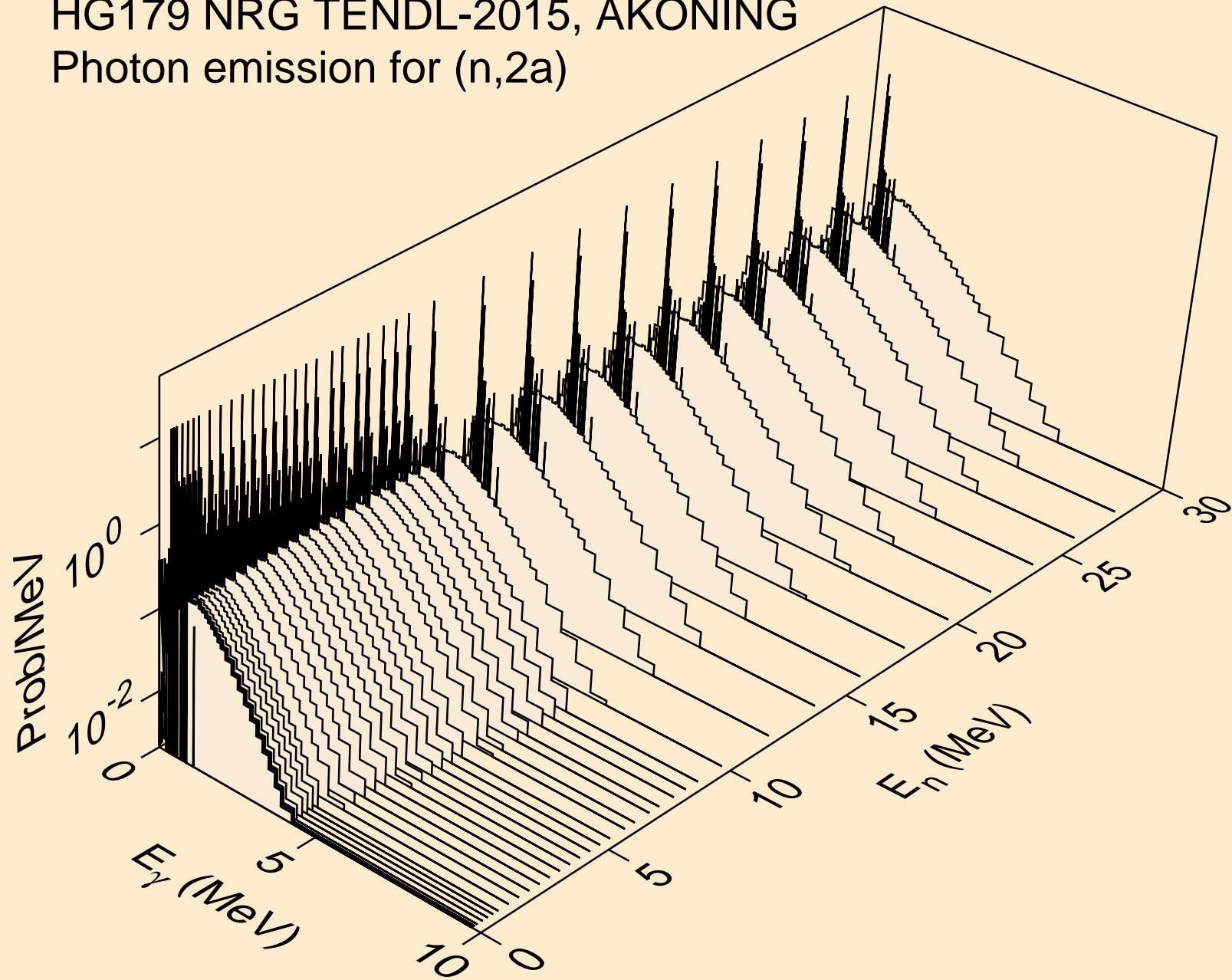
HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



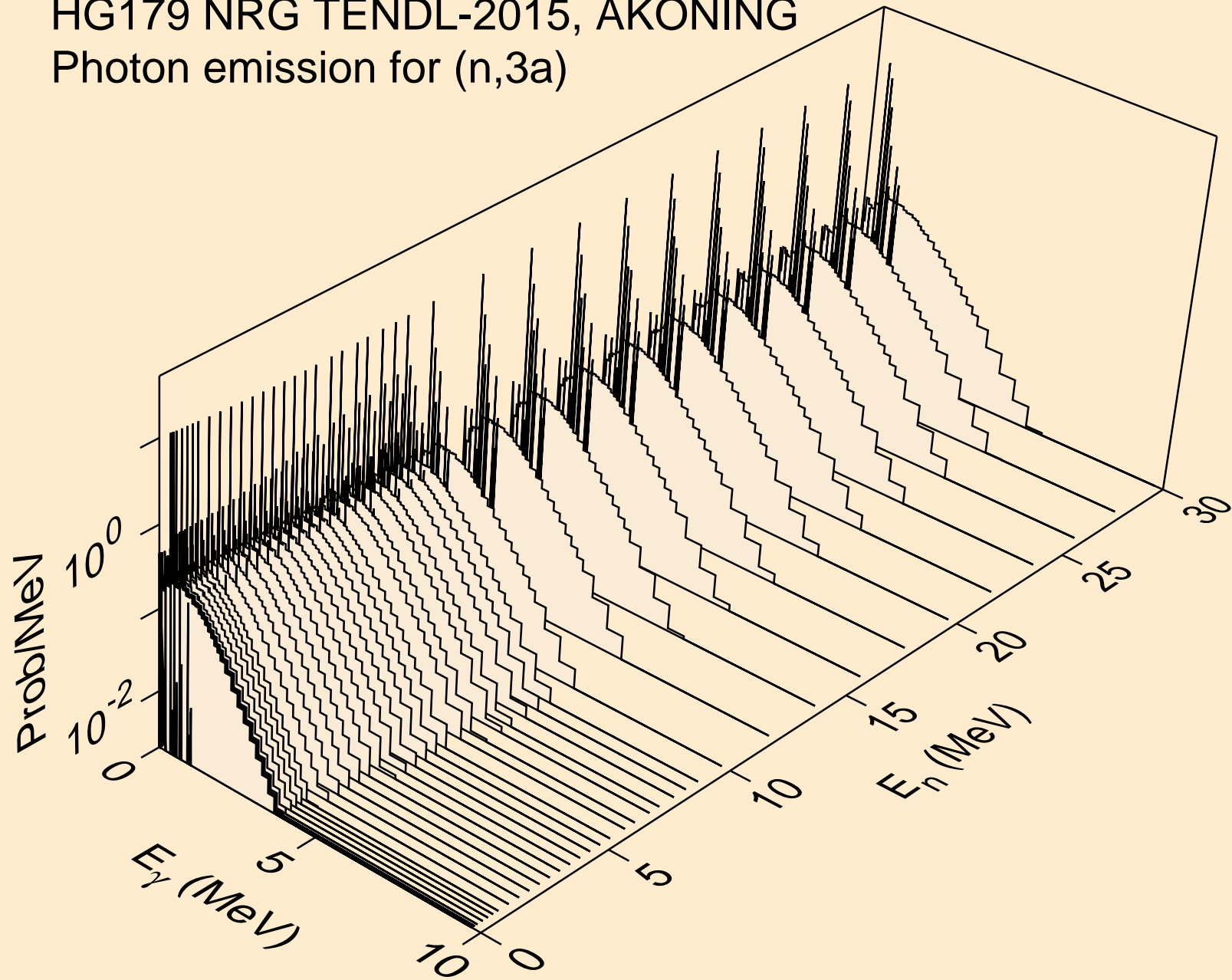
HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



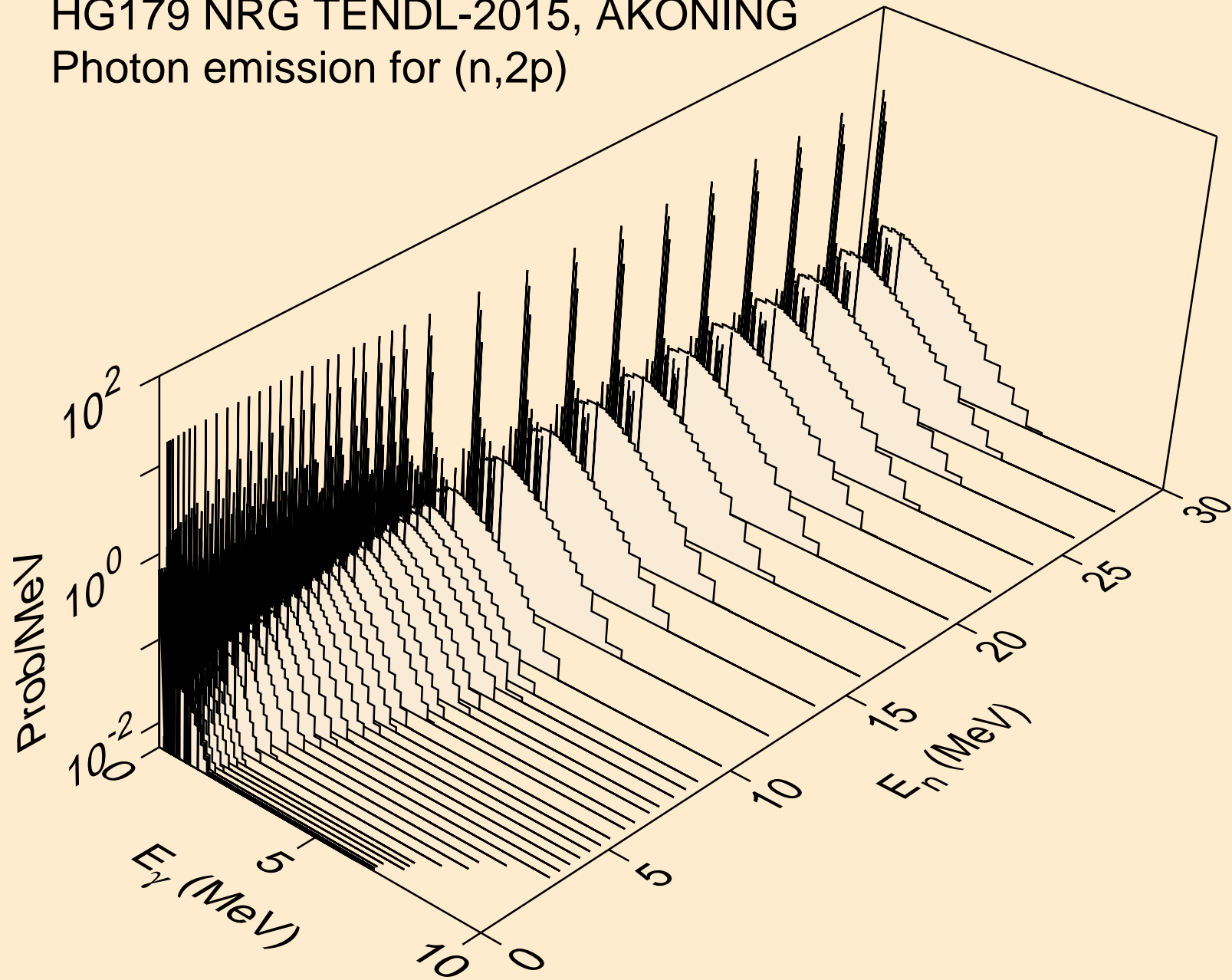
HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



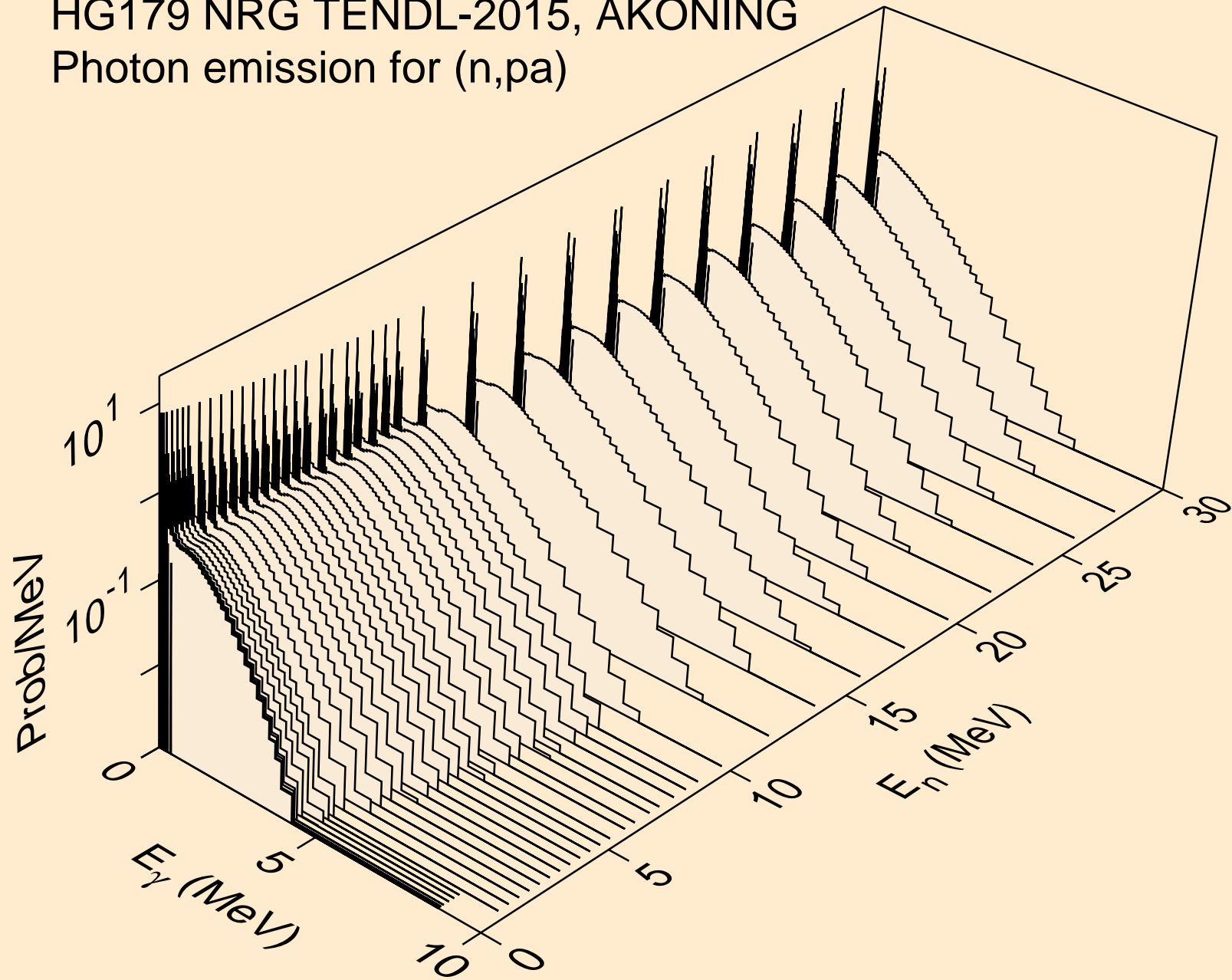
HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,3a)



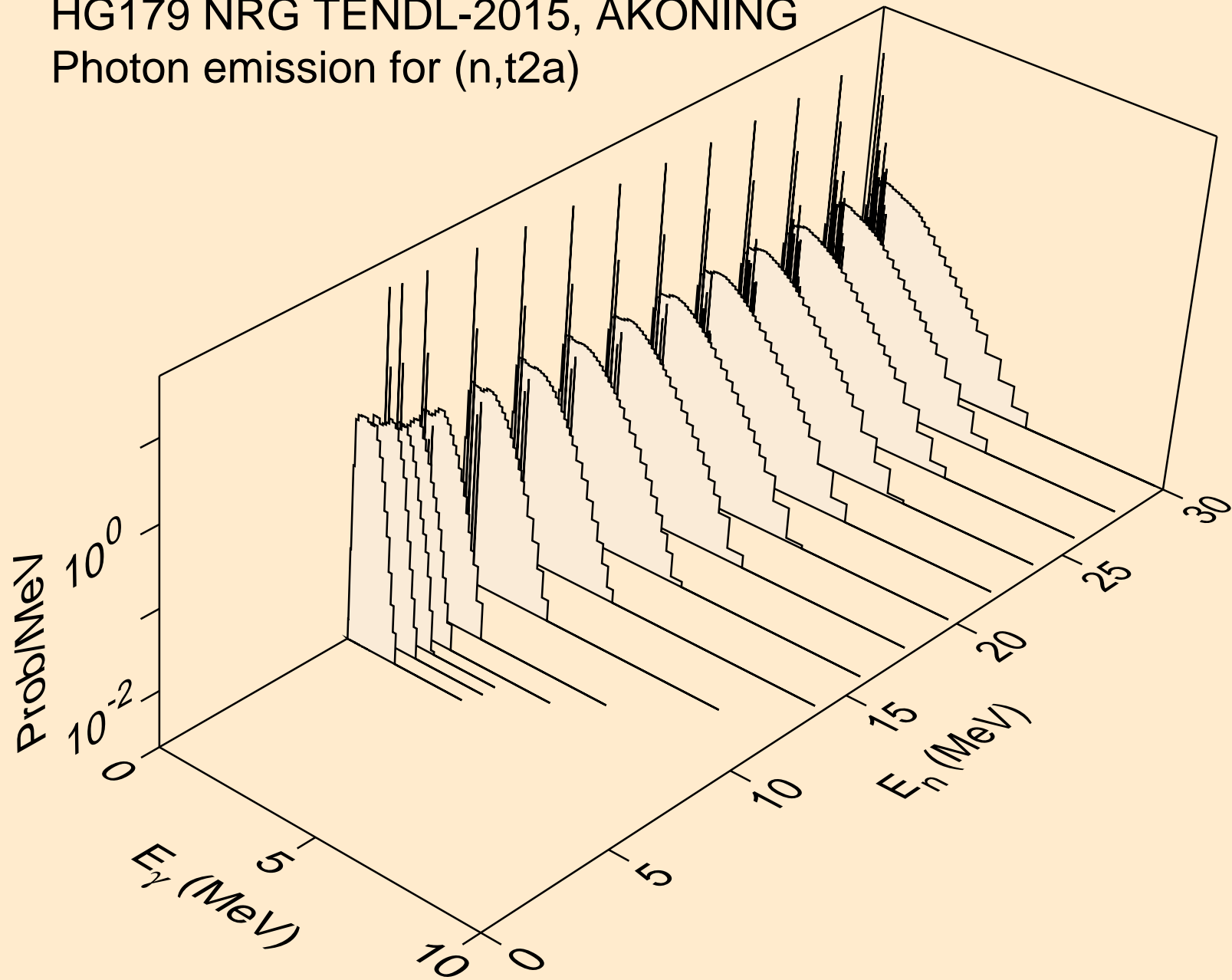
HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,p $\alpha$ )

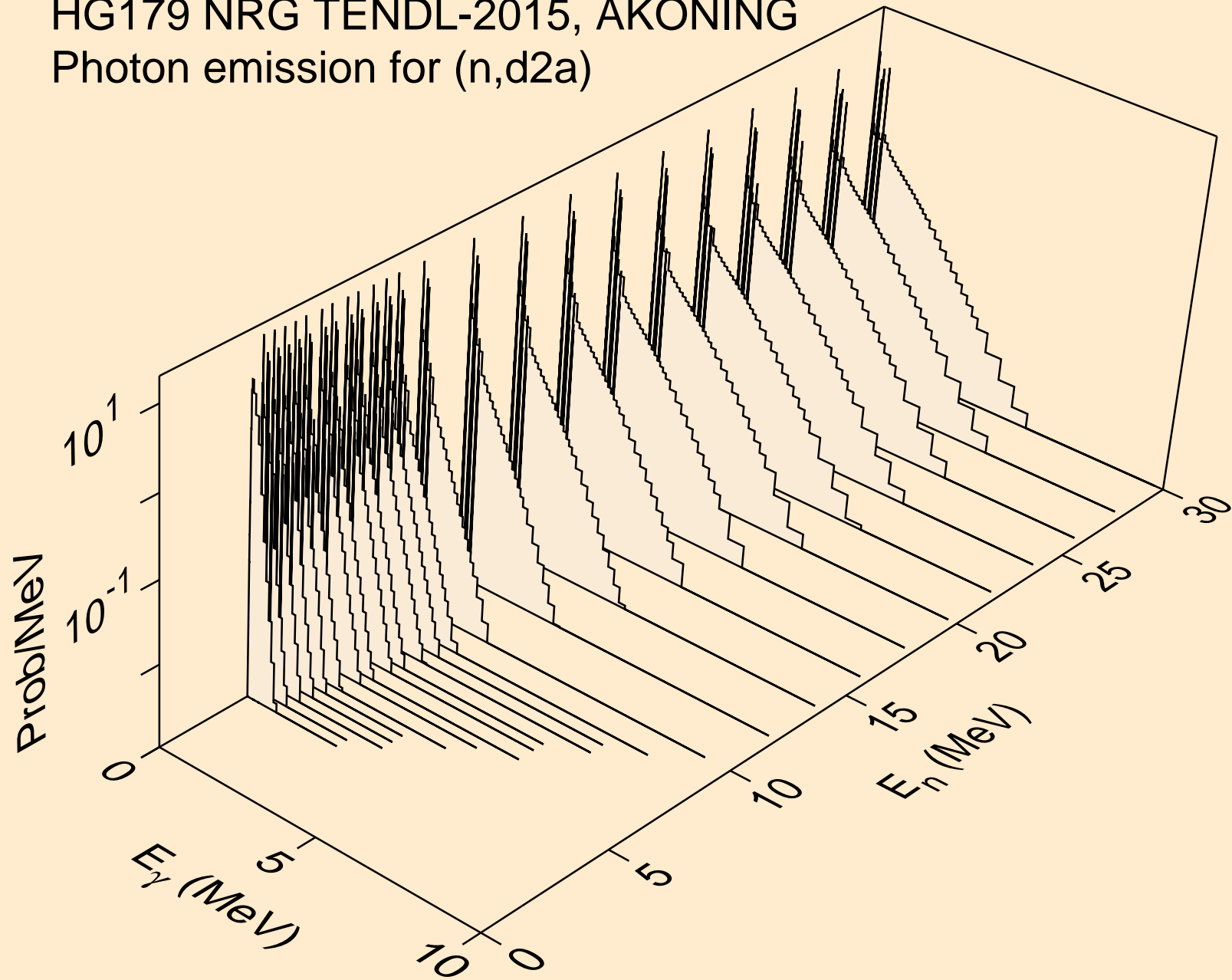


HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,t2a)

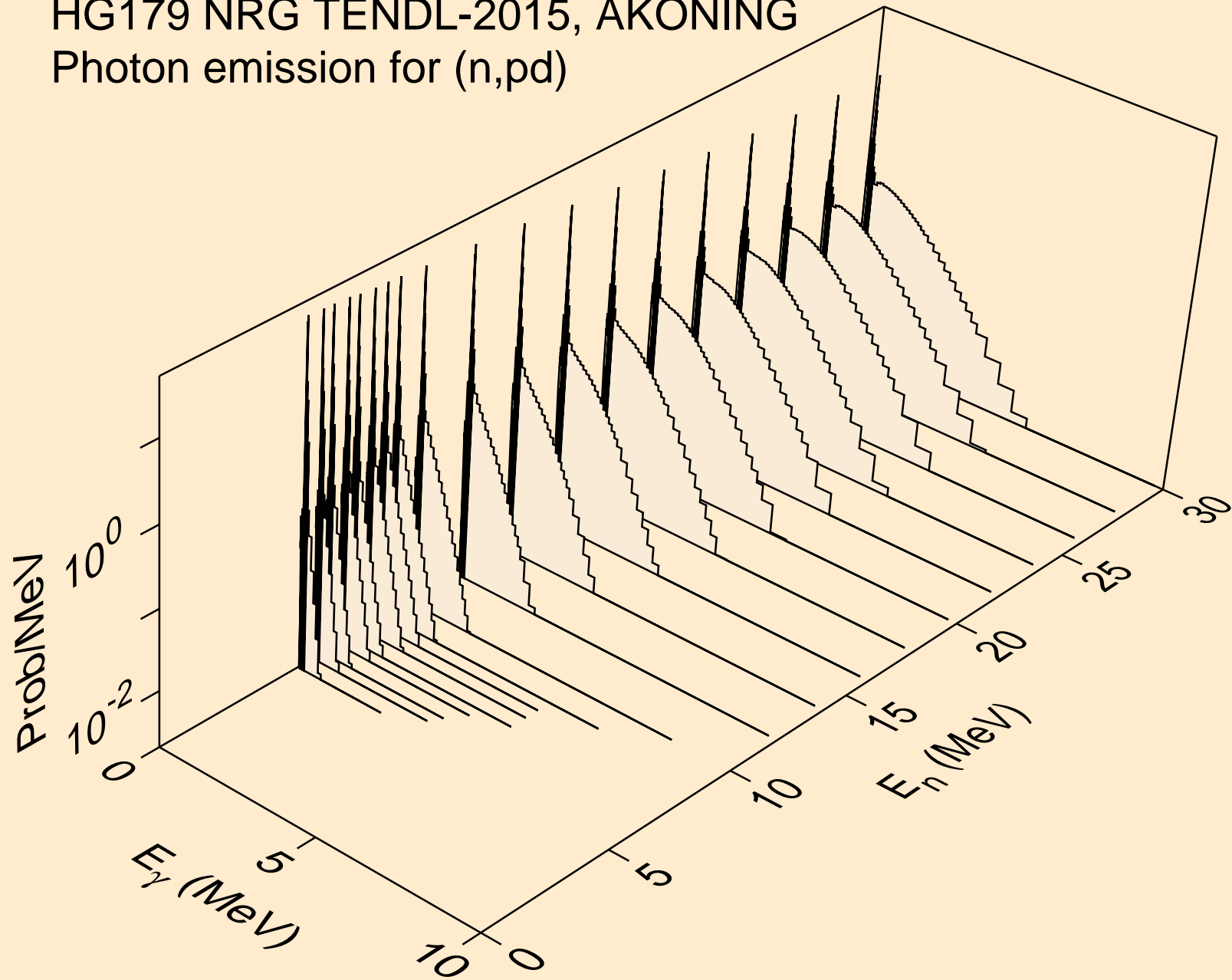




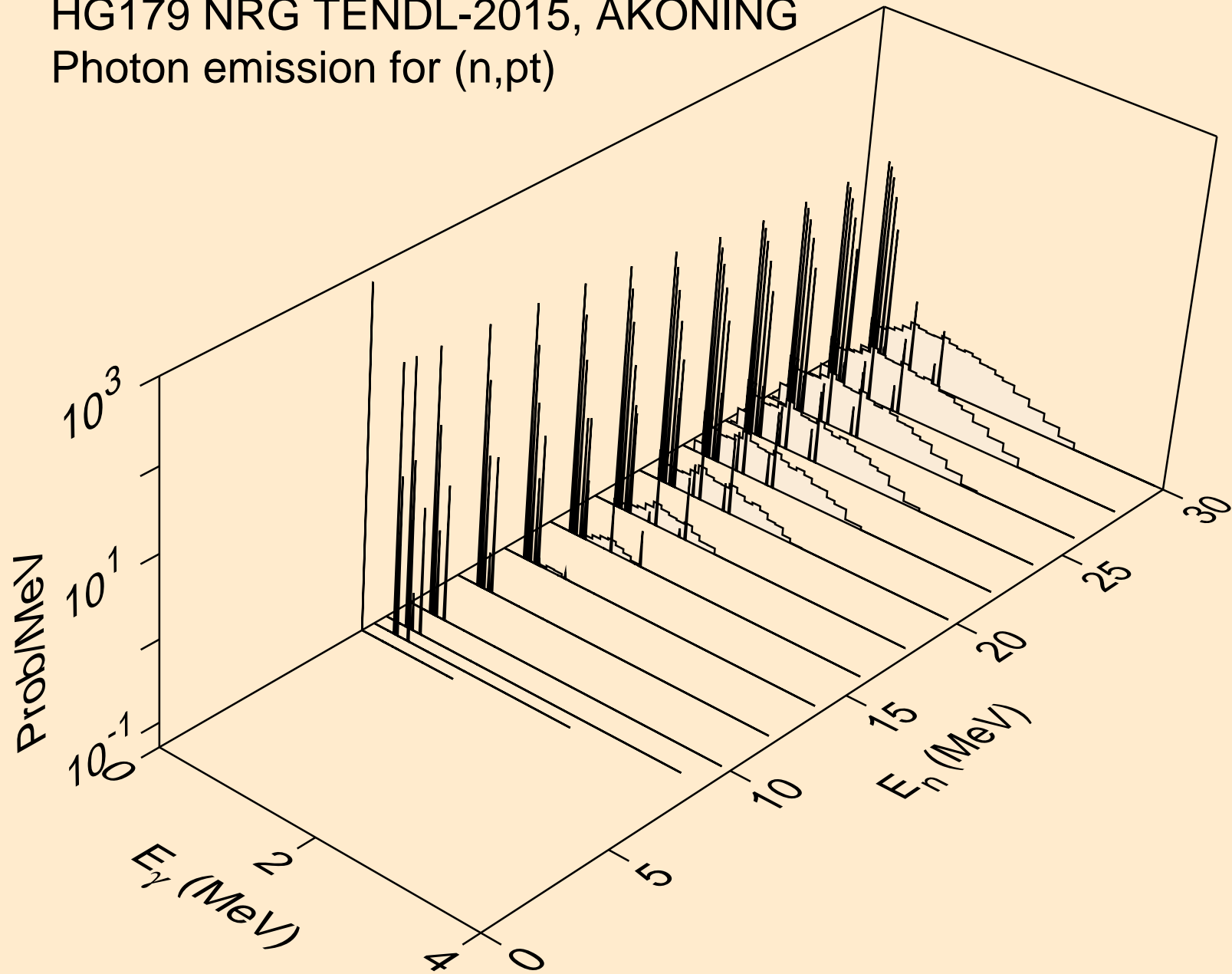
HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,d2a)



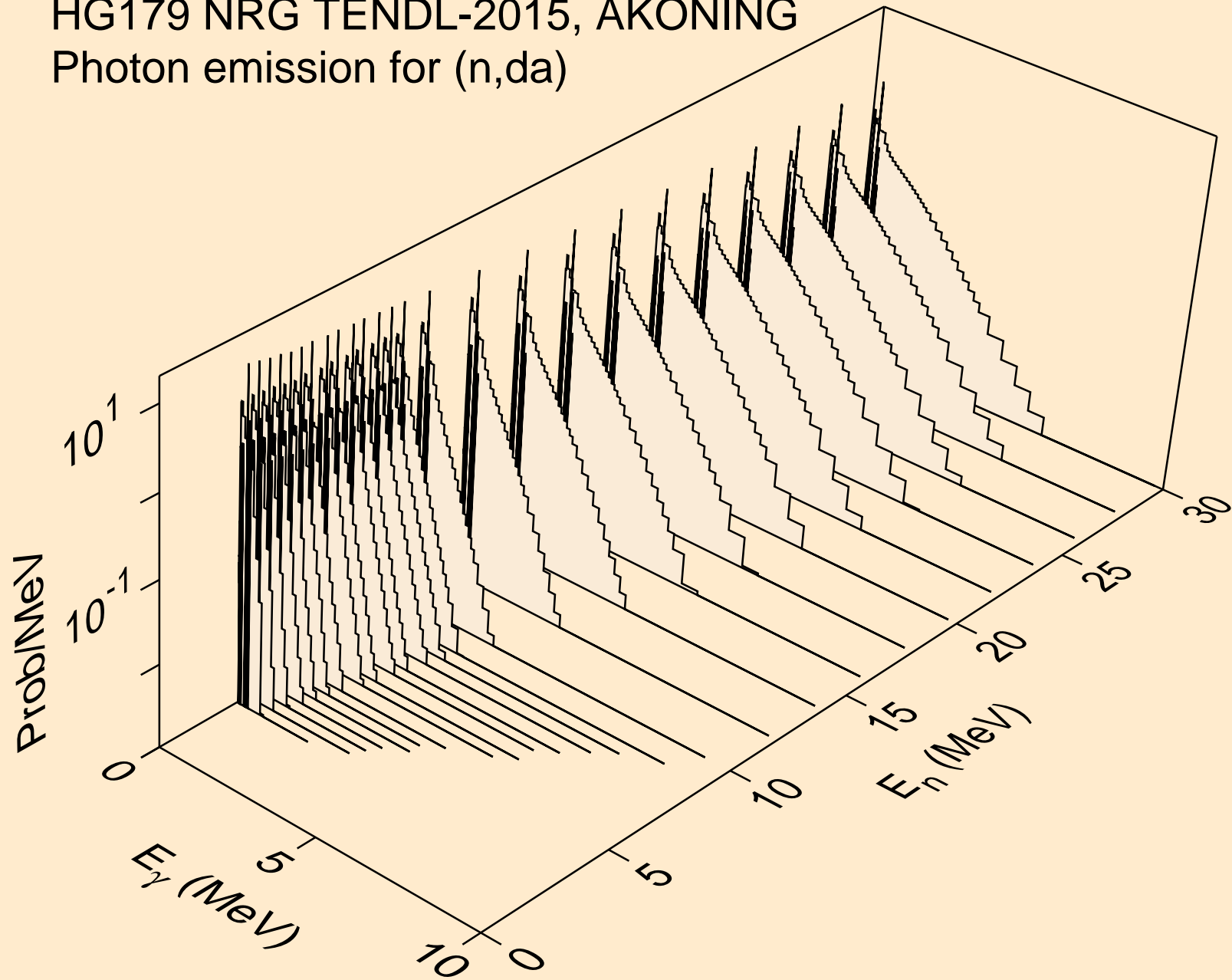
HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



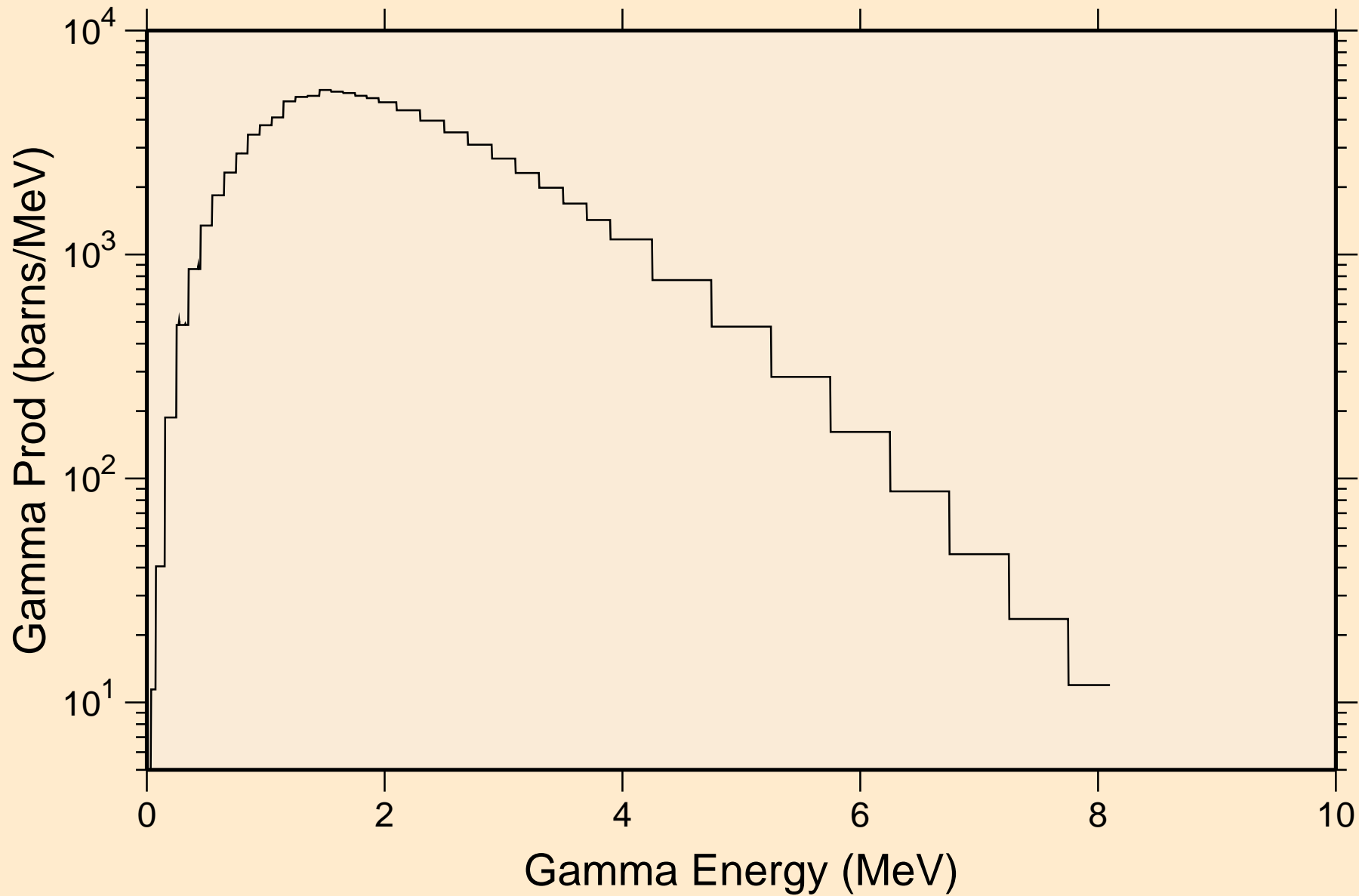
HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



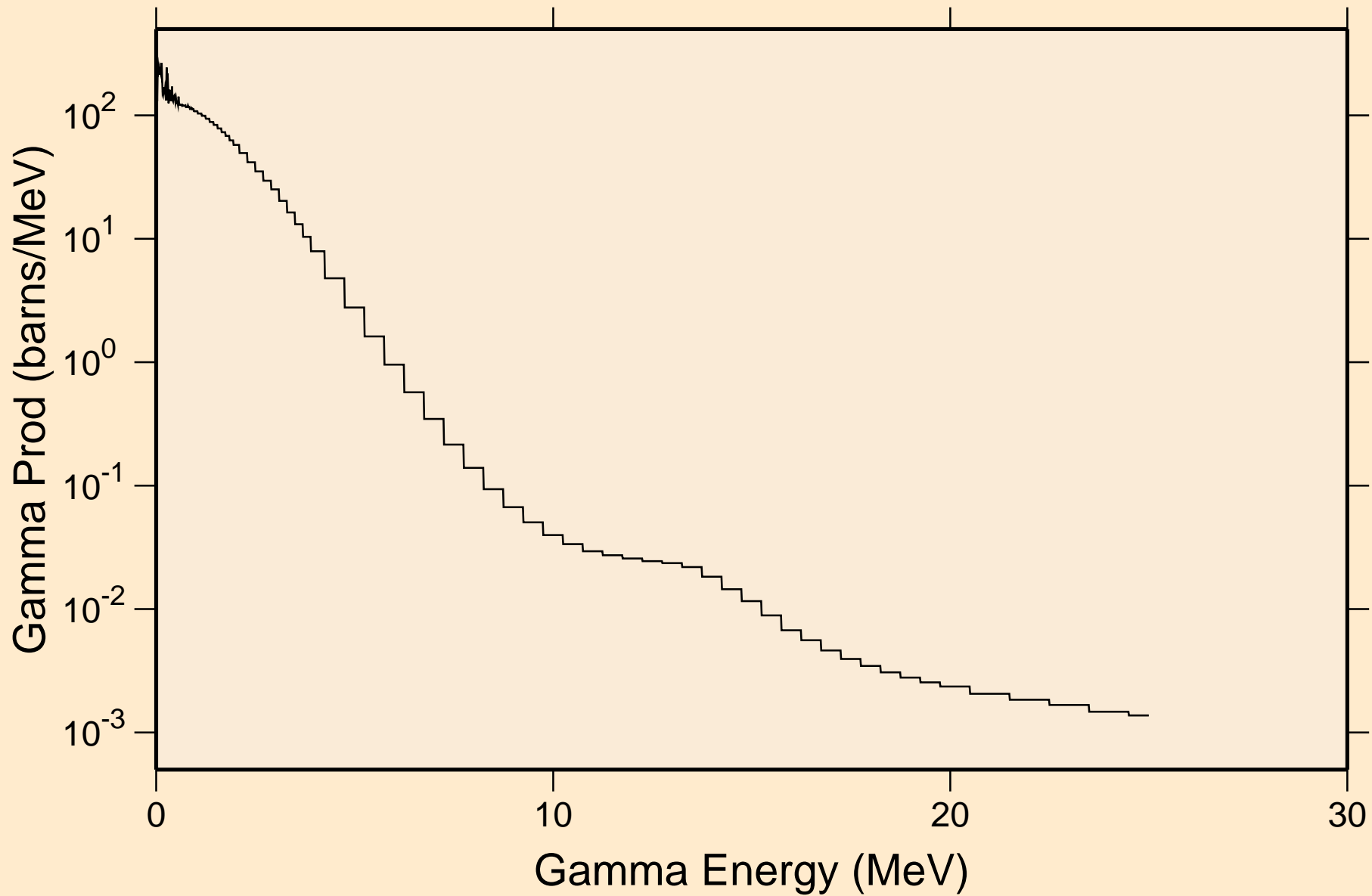
HG179 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



HG179 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

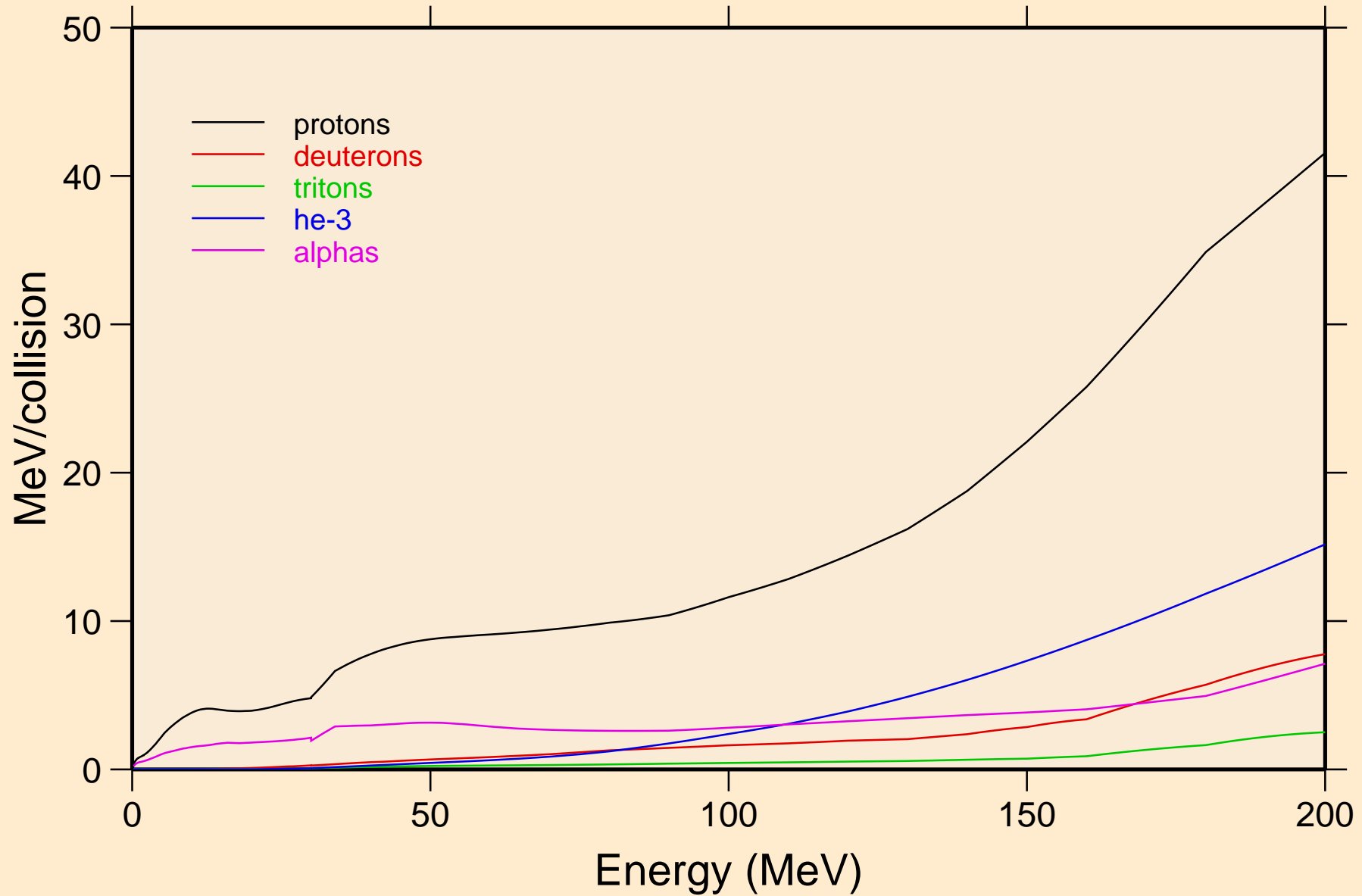


HG179 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



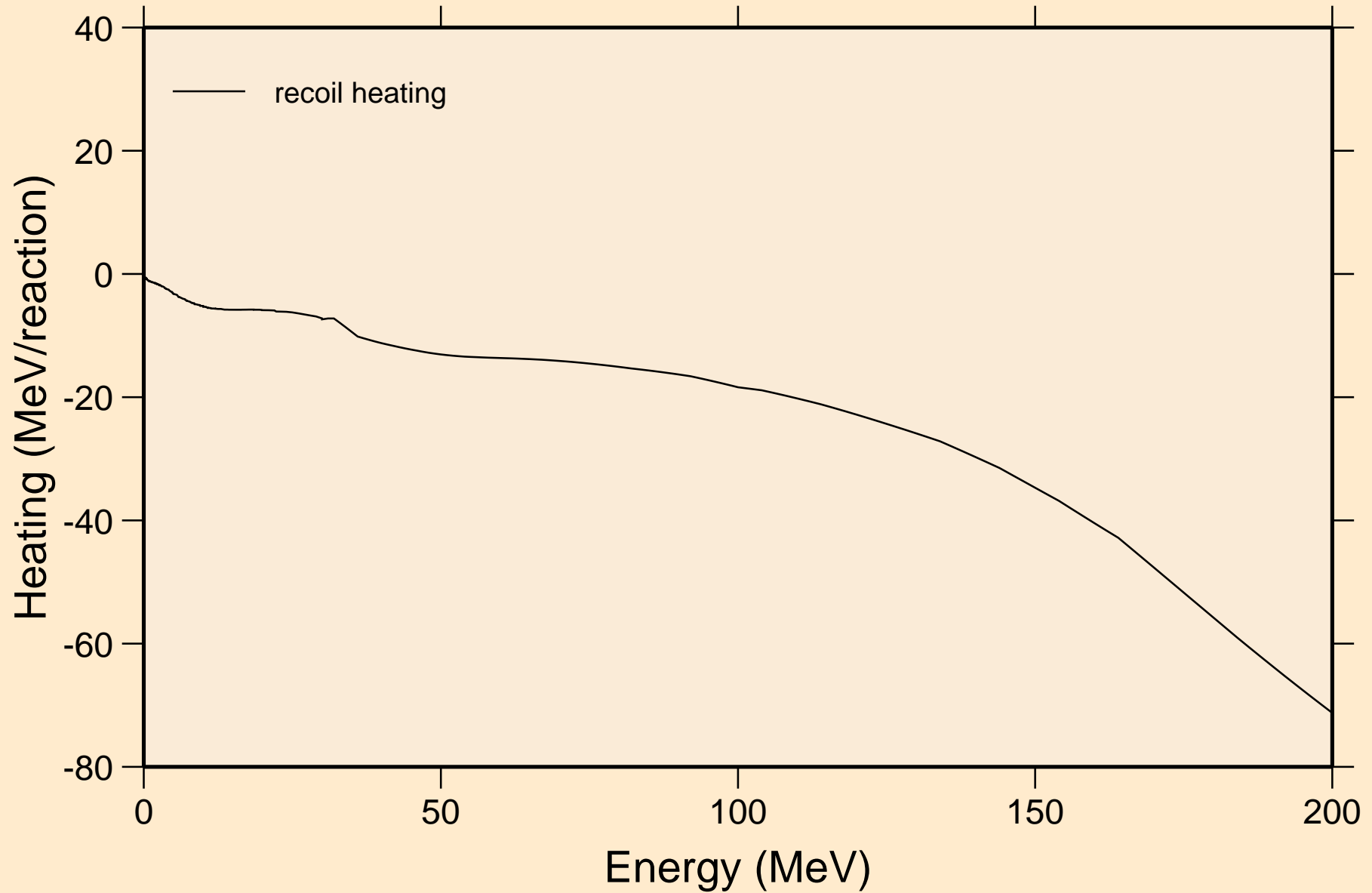
# HG179 NRG TENDL-2015, AKONING

## Particle heating contributions



# HG179 NRG TENDL-2015, AKONING

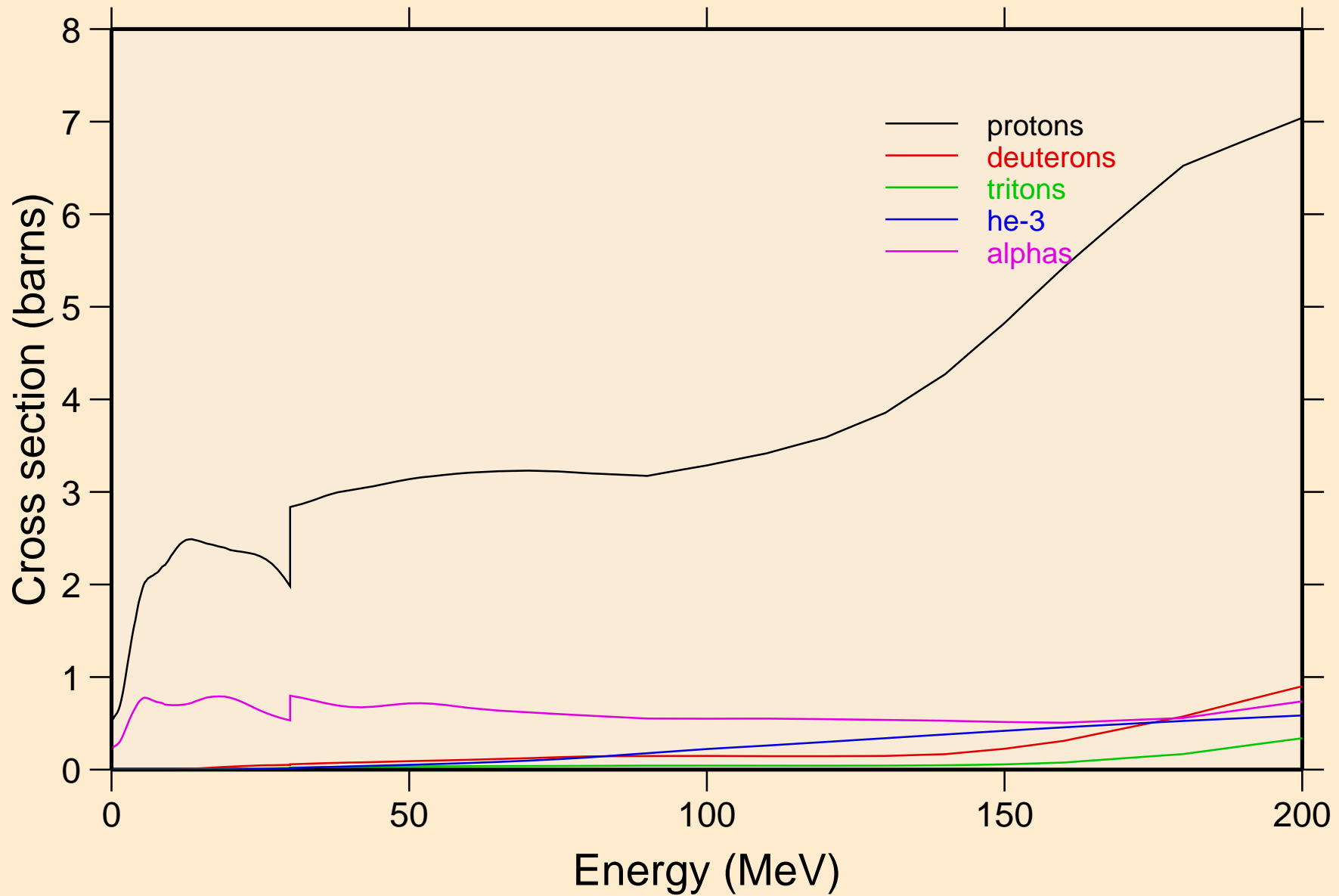
## Recoil Heating



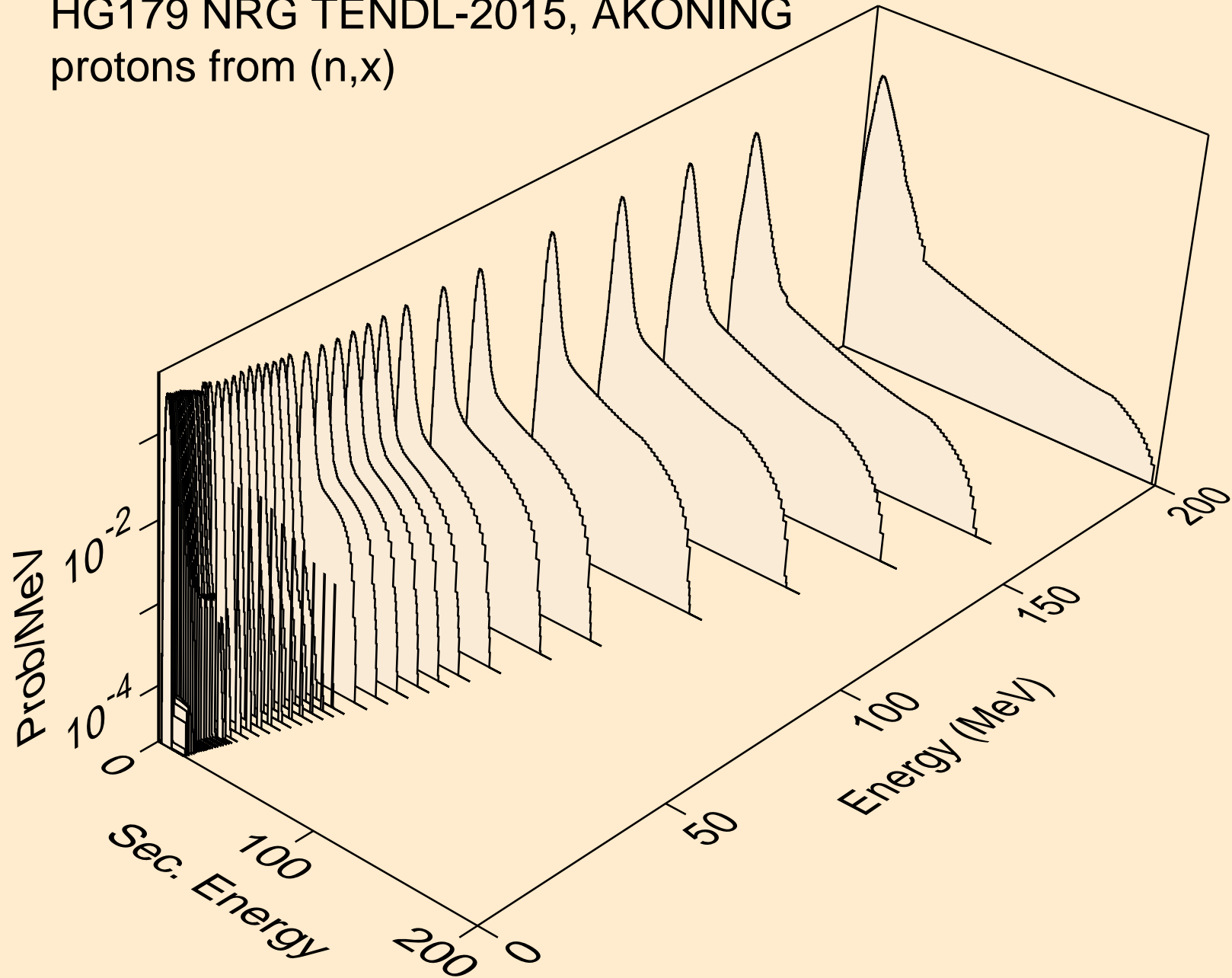


# HG179 NRG TENDL-2015, AKONING

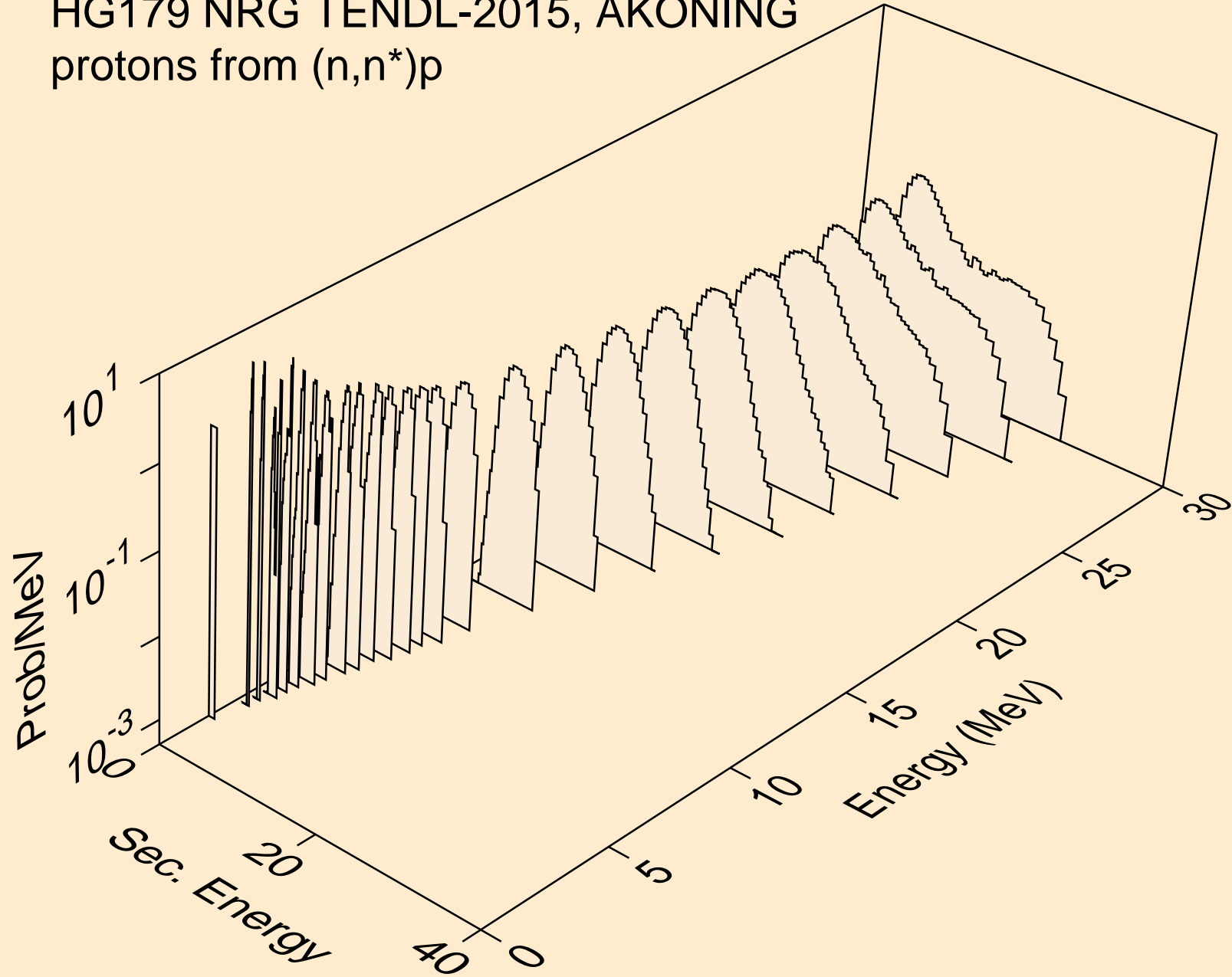
## Particle production cross sections



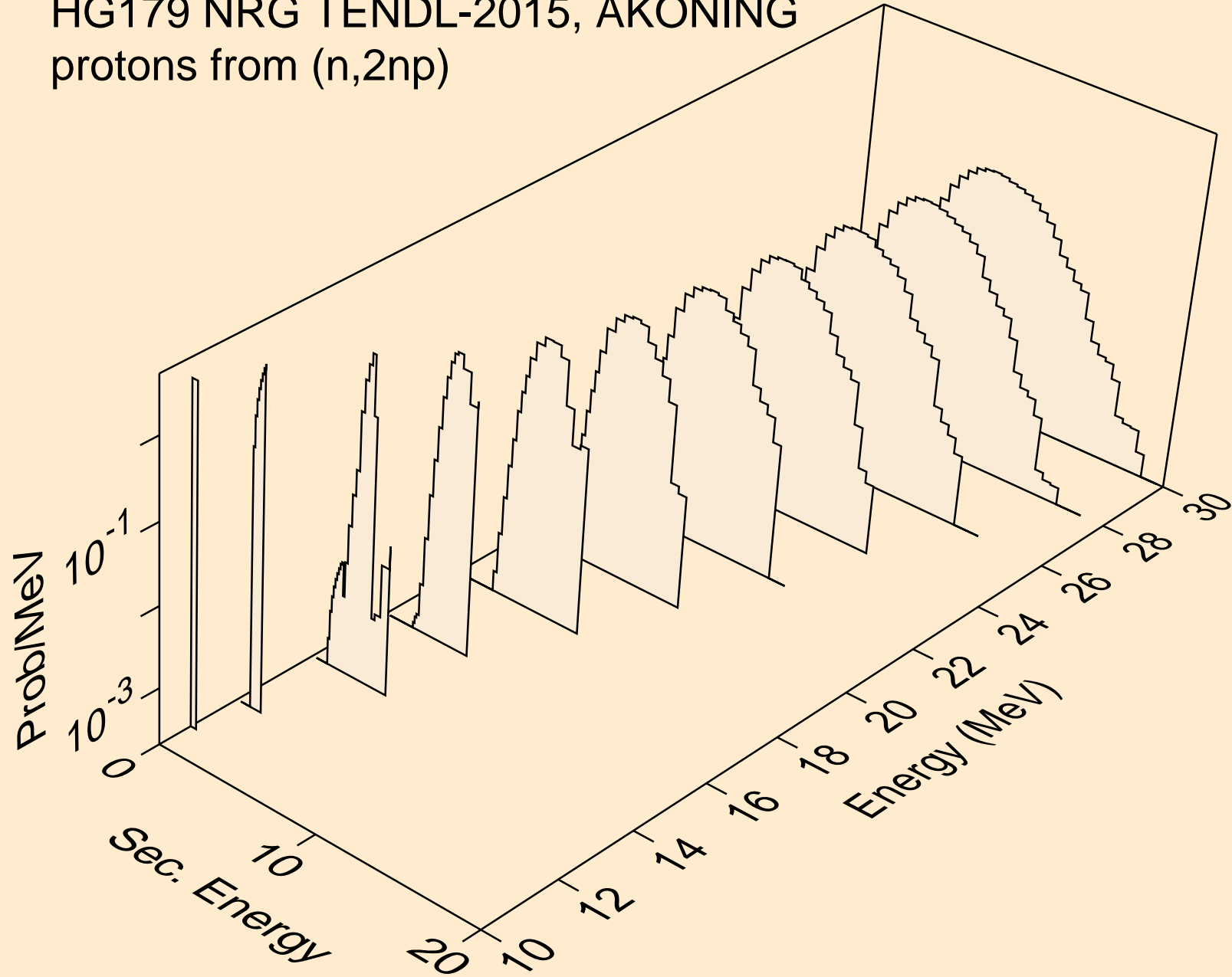
HG179 NRG TENDL-2015, AKONING  
protons from (n,x)



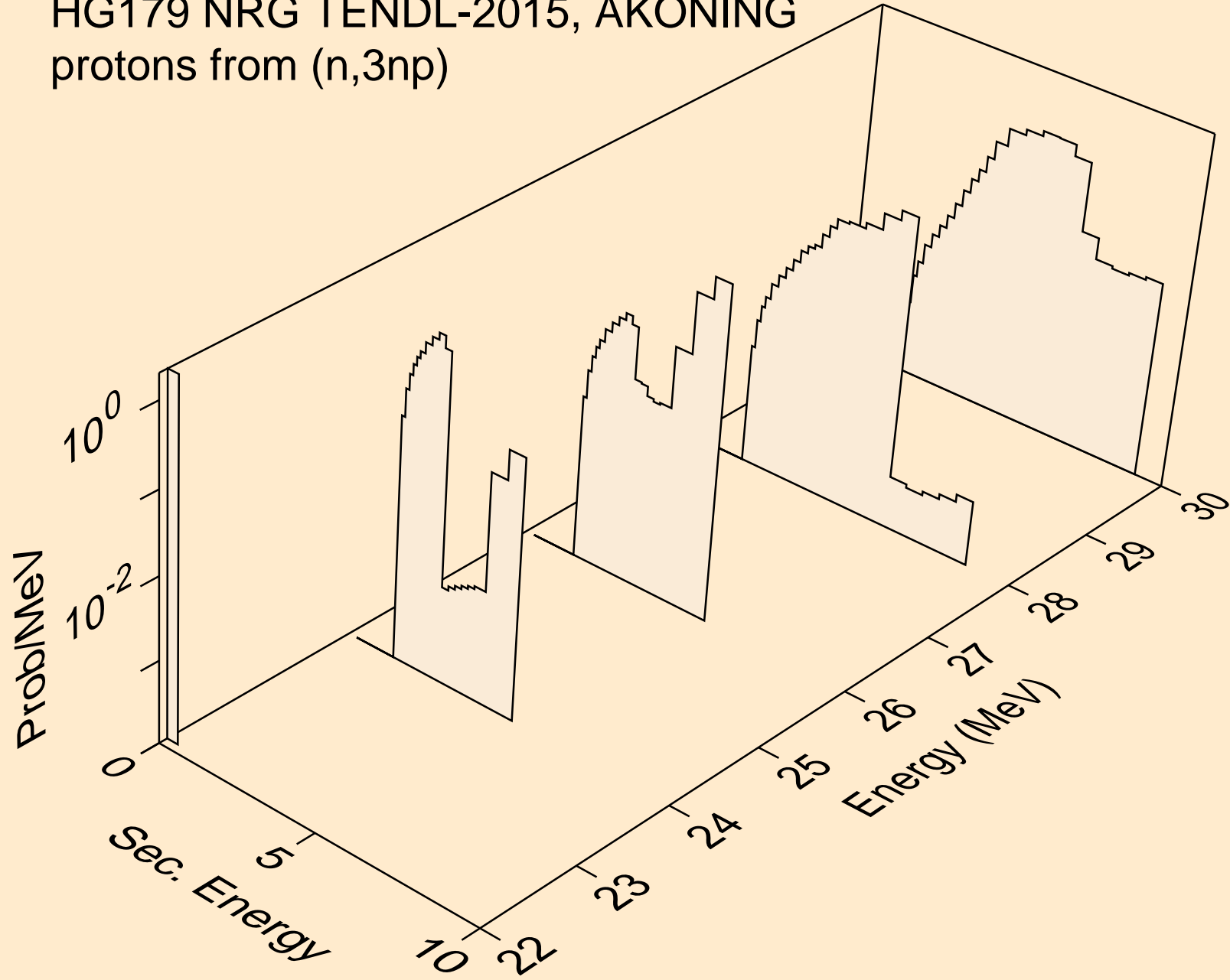
HG179 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



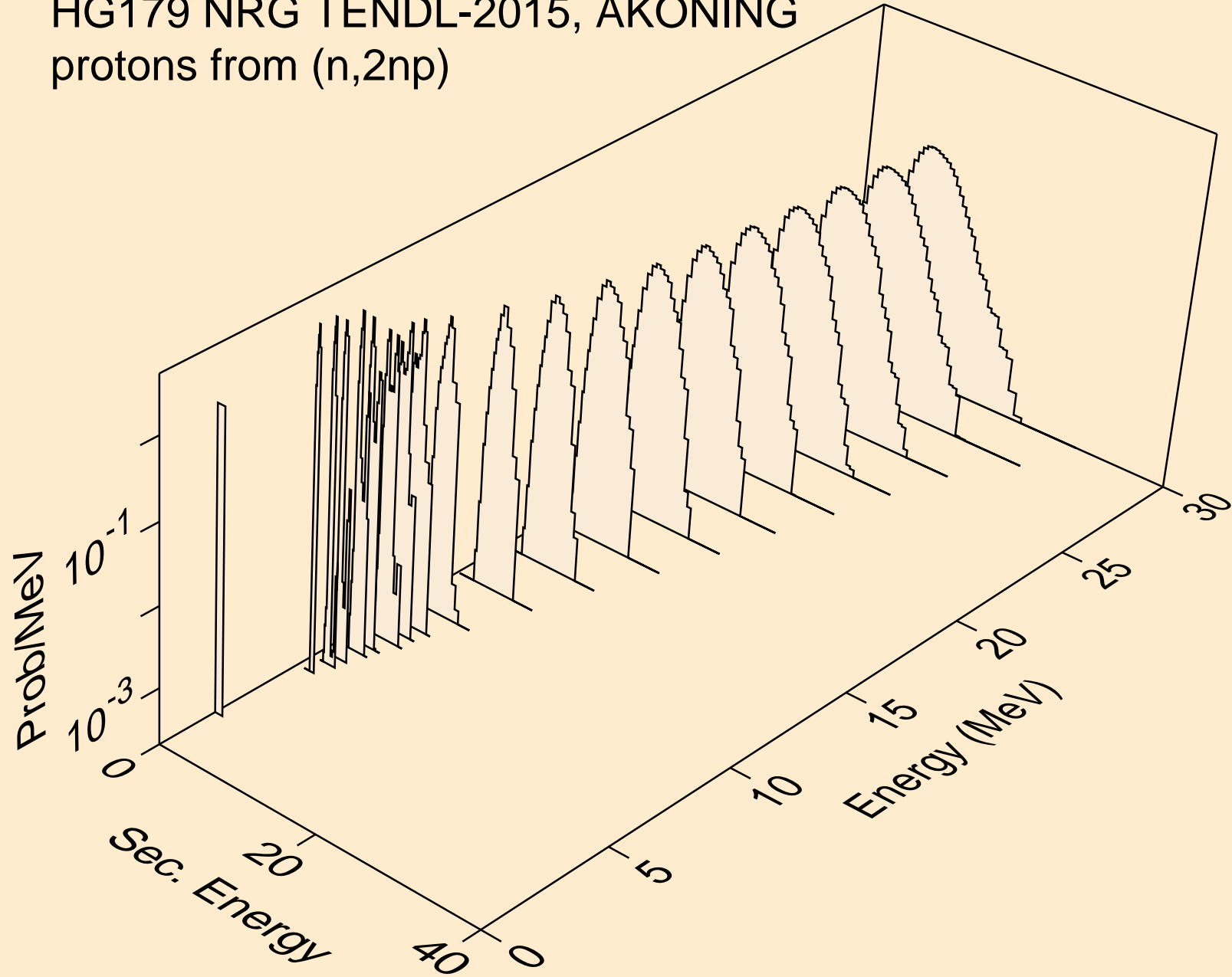
HG179 NRG TENDL-2015, AKONING  
protons from (n,2np)



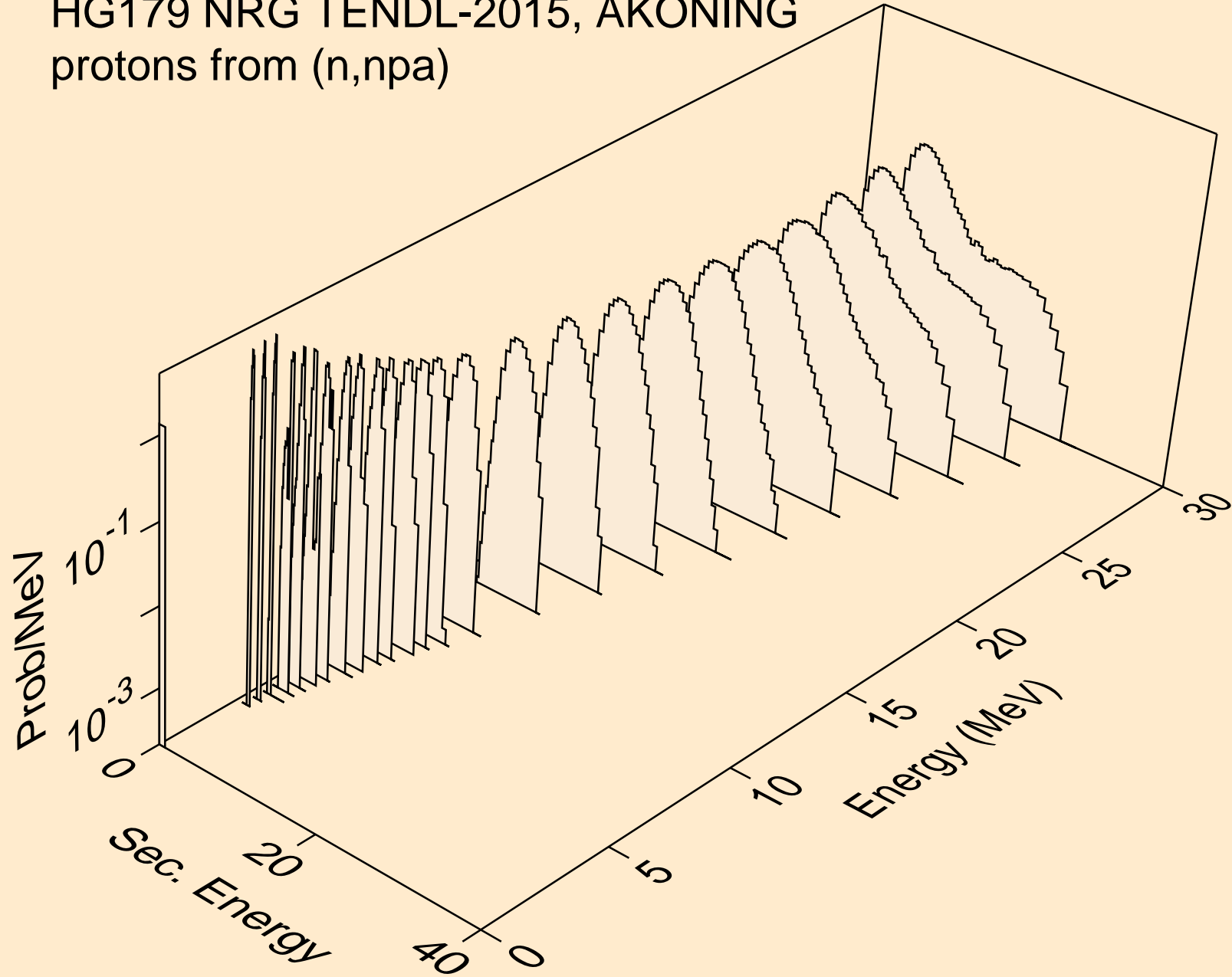
HG179 NRG TENDL-2015, AKONING  
protons from (n,3np)



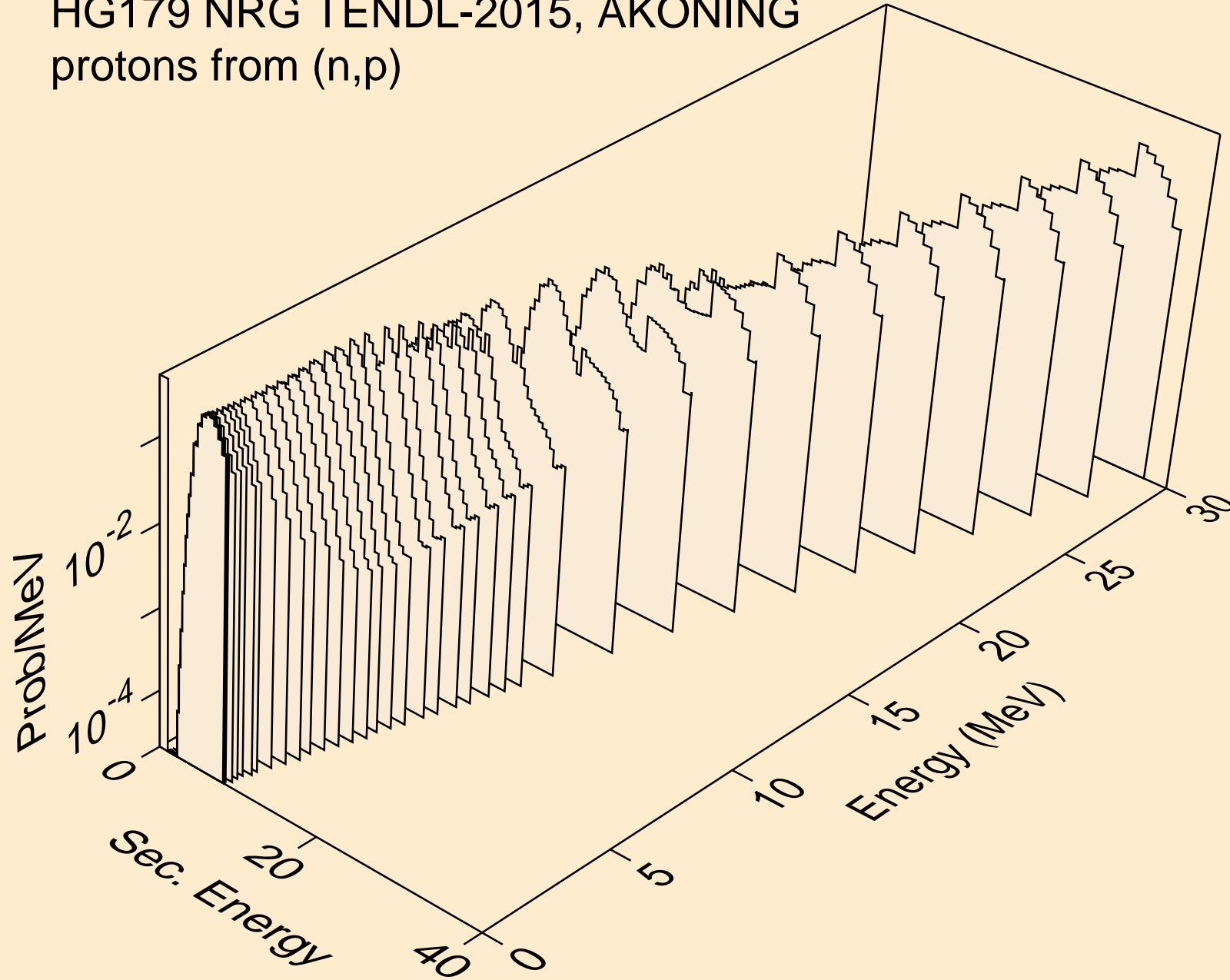
HG179 NRG TENDL-2015, AKONING  
protons from (n,2np)



HG179 NRG TENDL-2015, AKONING  
protons from (n,npa)

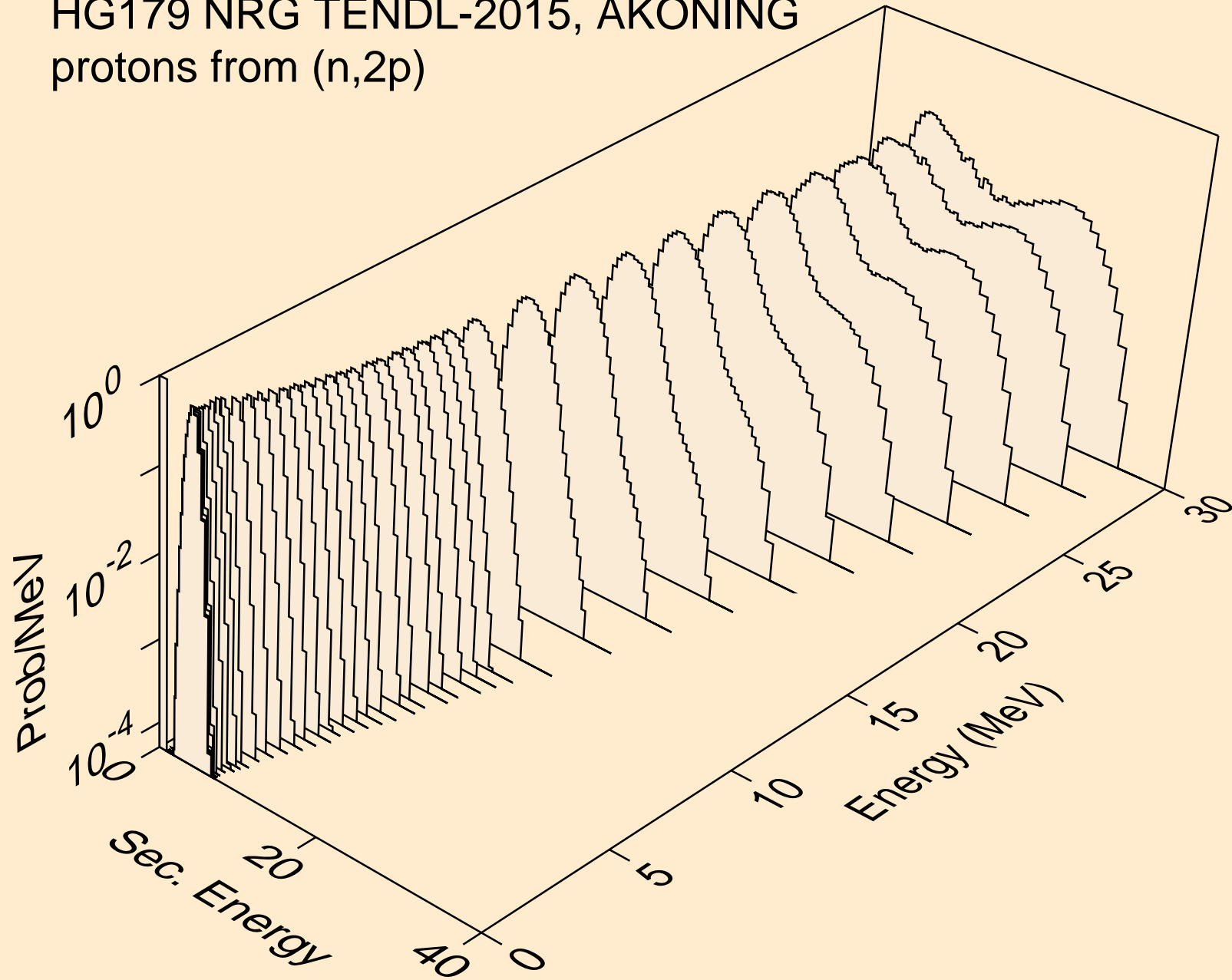


HG179 NRG TENDL-2015, AKONING  
protons from (n,p)

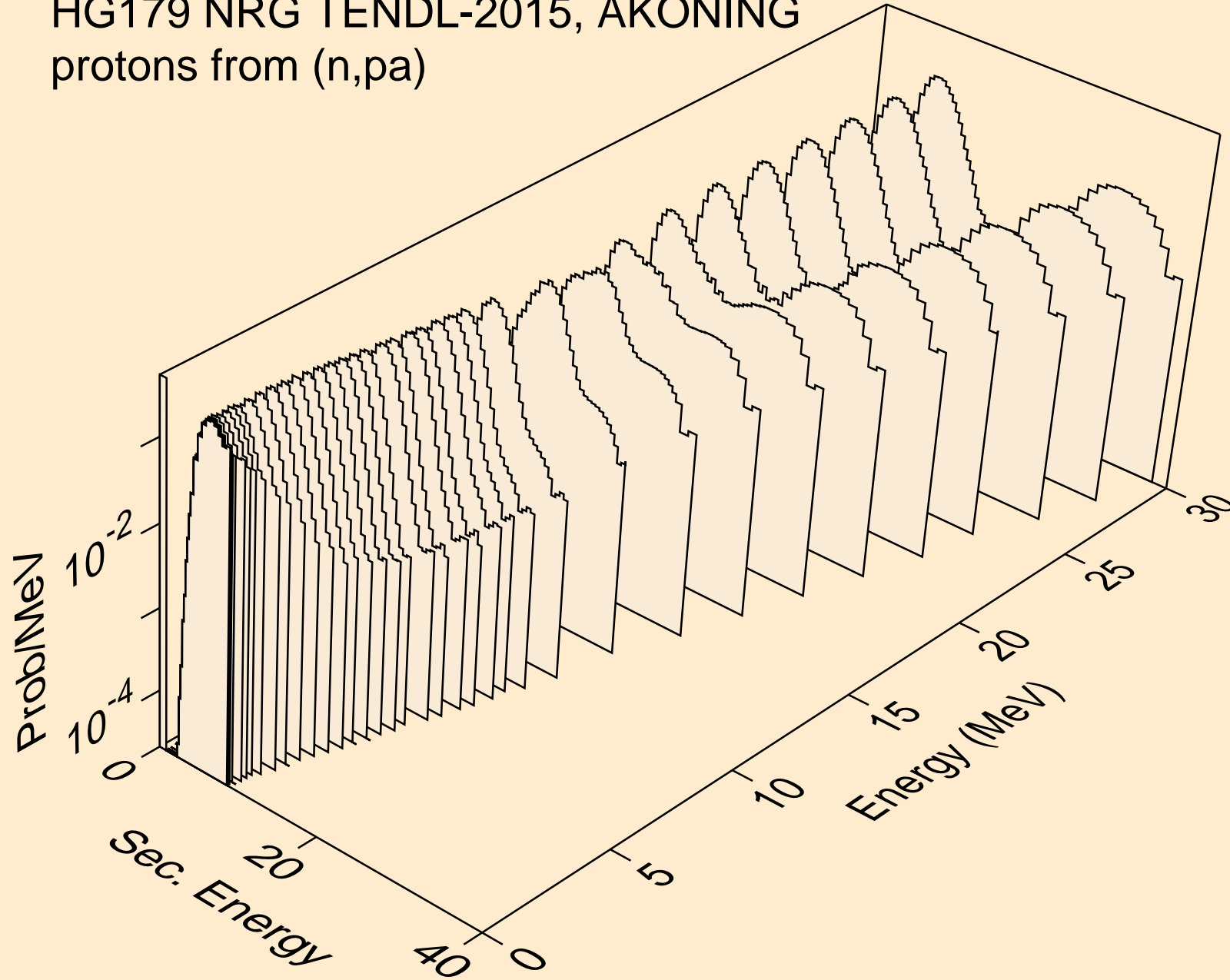




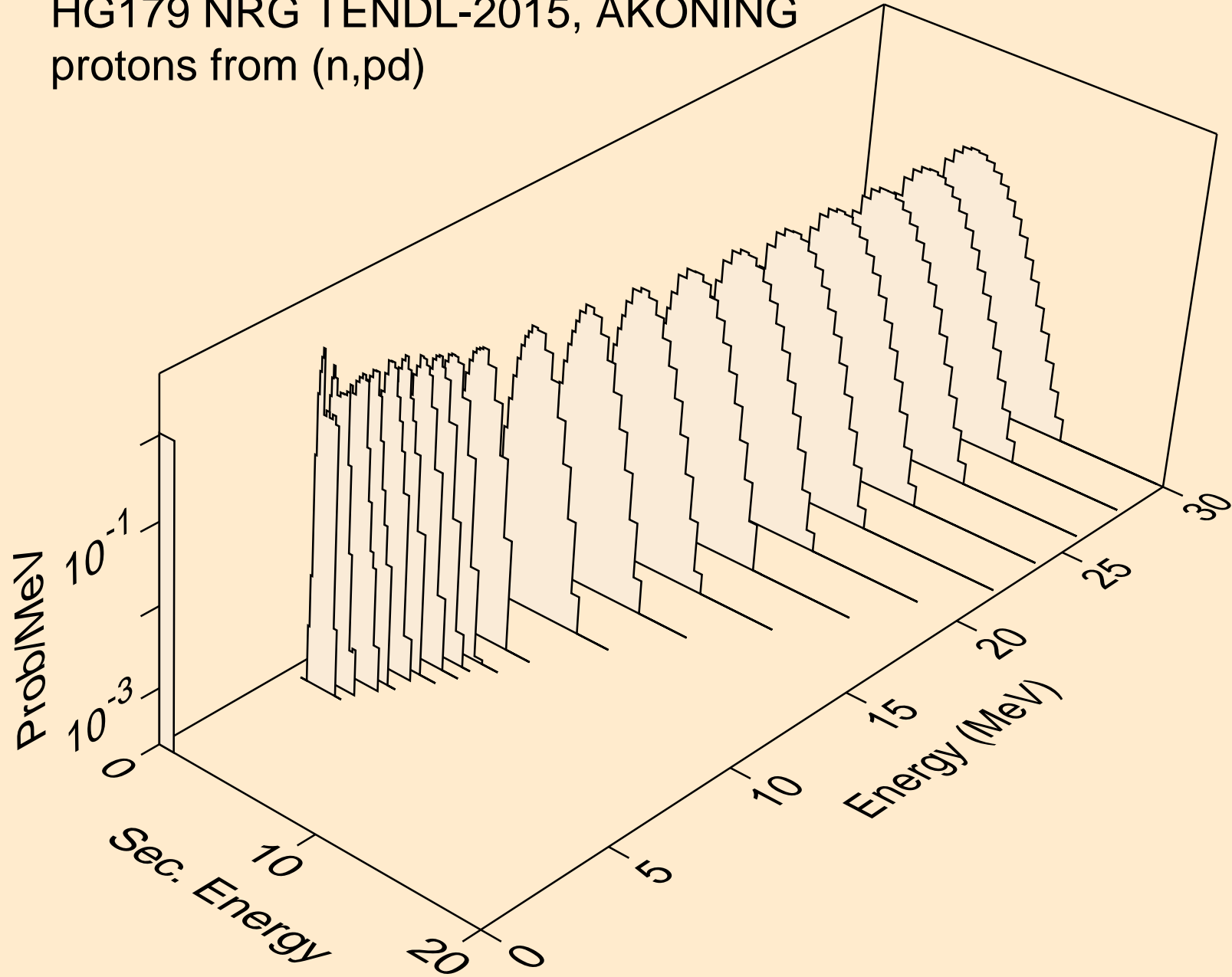
HG179 NRG TENDL-2015, AKONING  
protons from (n,2p)



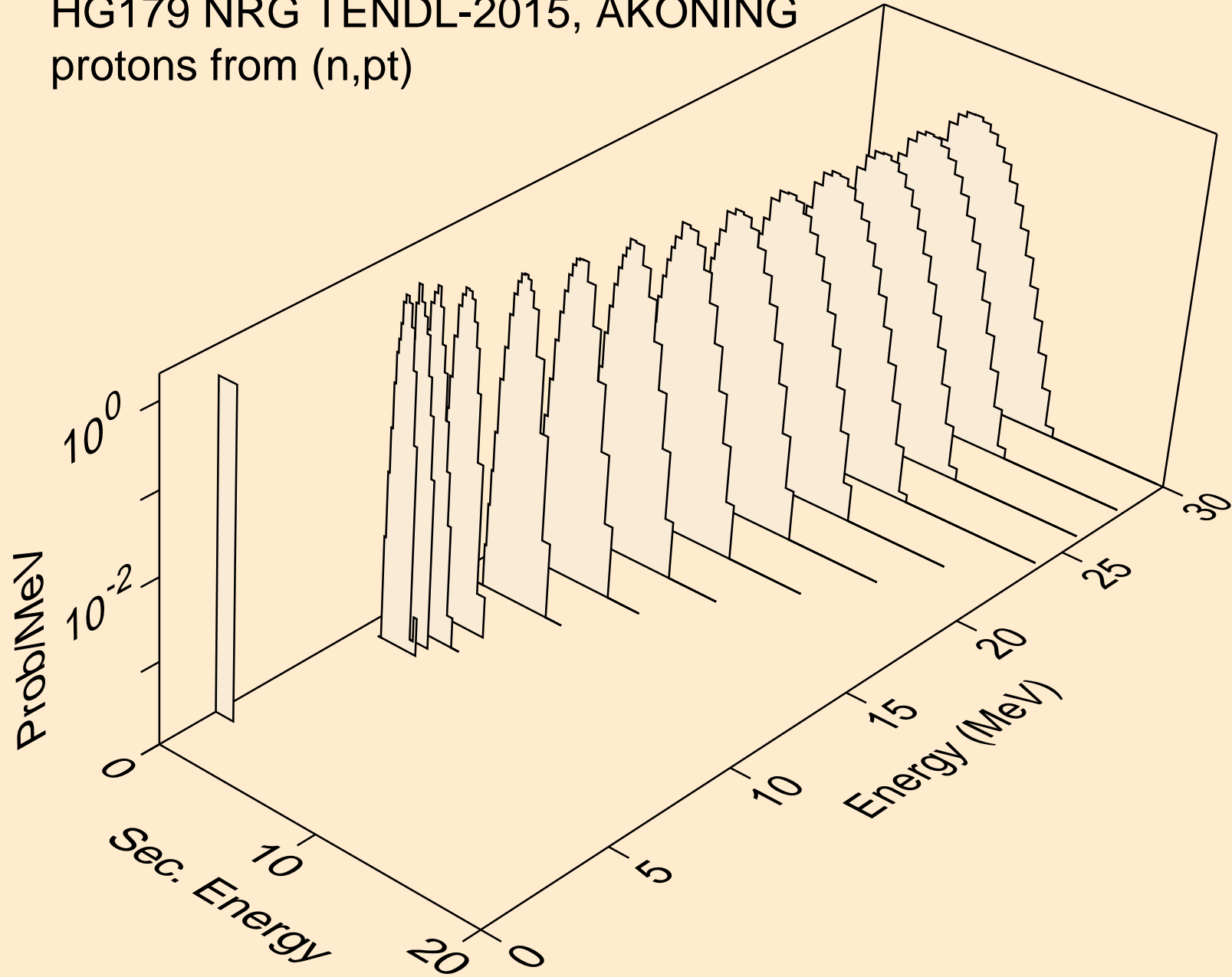
HG179 NRG TENDL-2015, AKONING  
protons from (n,pa)



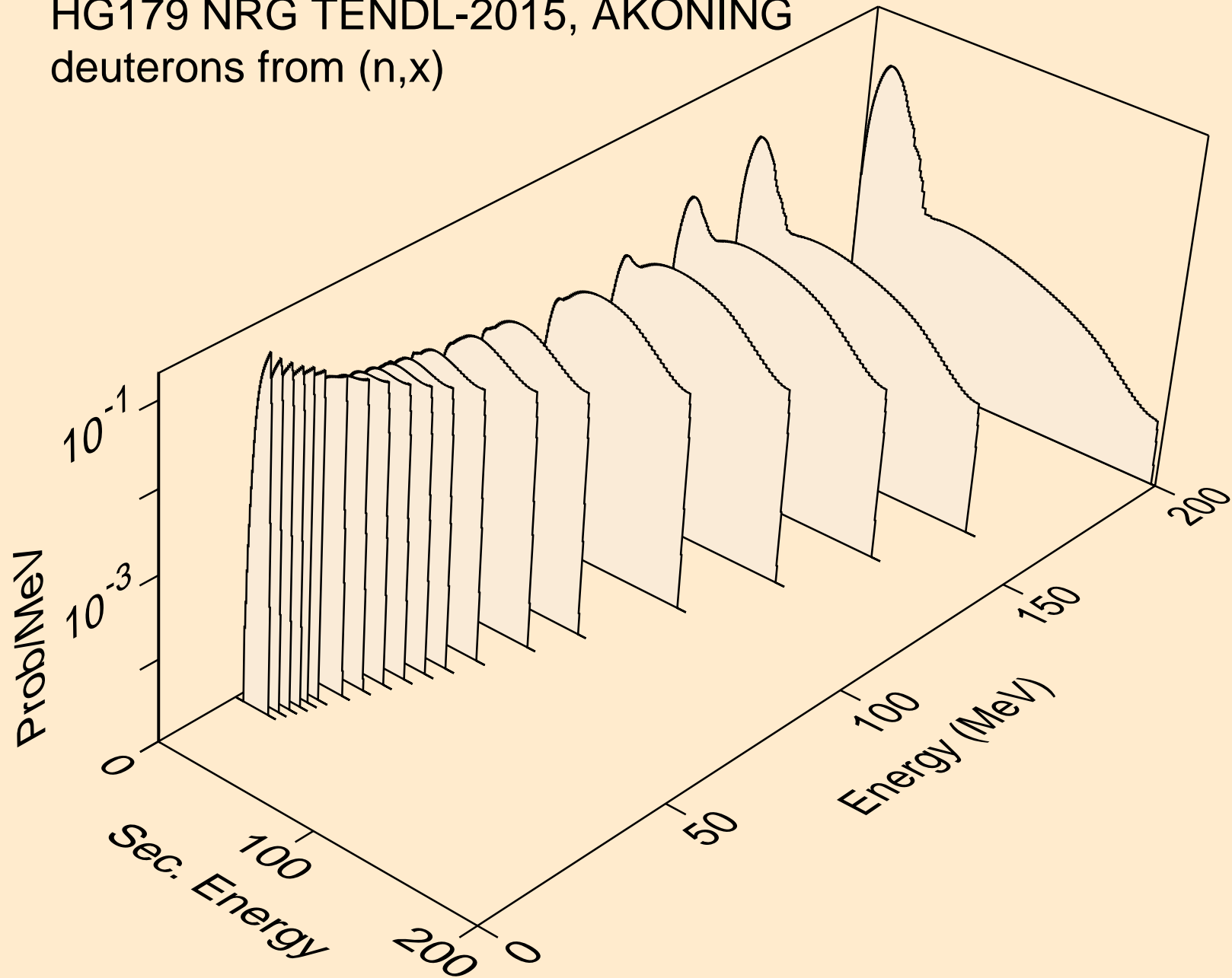
HG179 NRG TENDL-2015, AKONING  
protons from (n,pd)



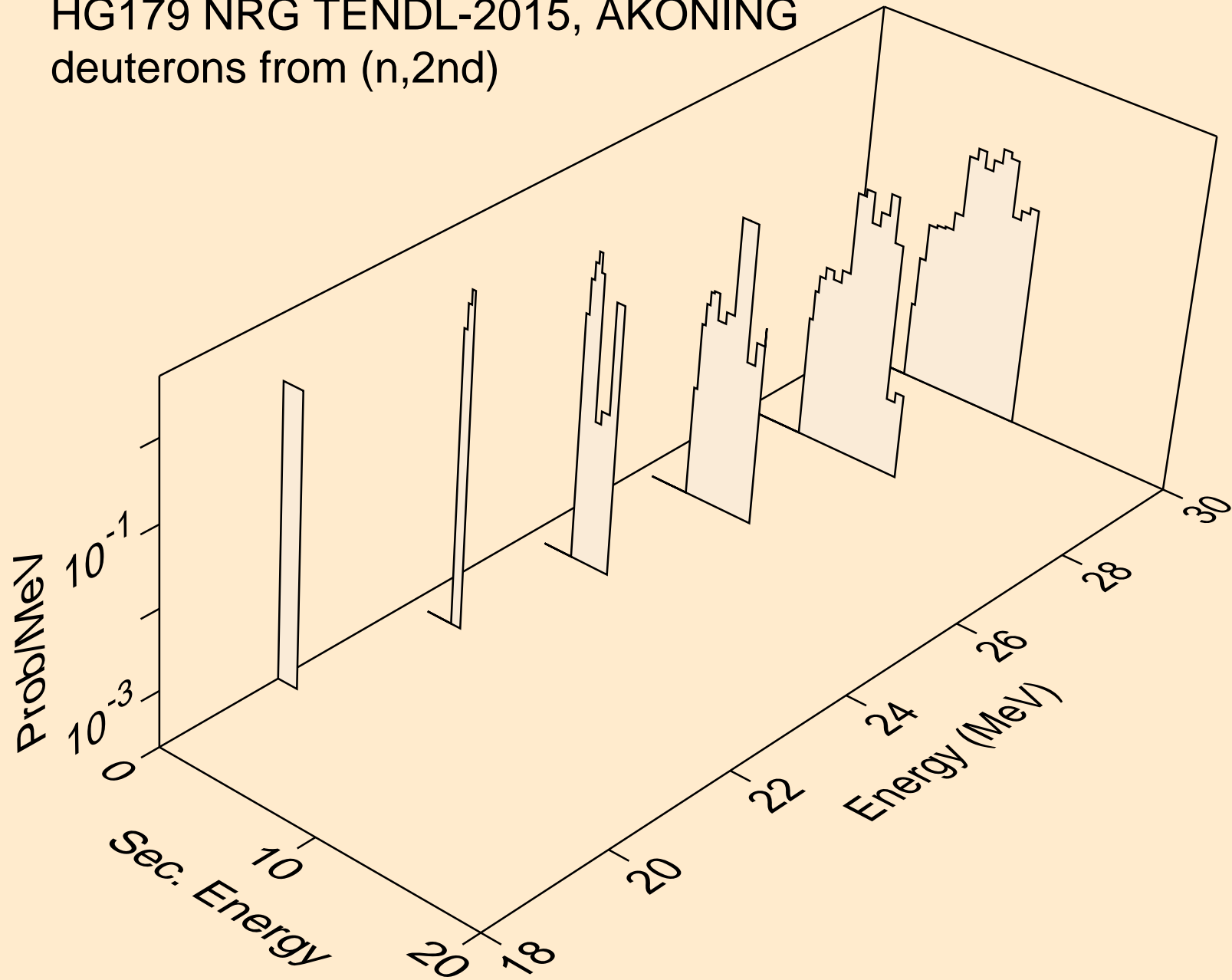
HG179 NRG TENDL-2015, AKONING  
protons from (n,pt)



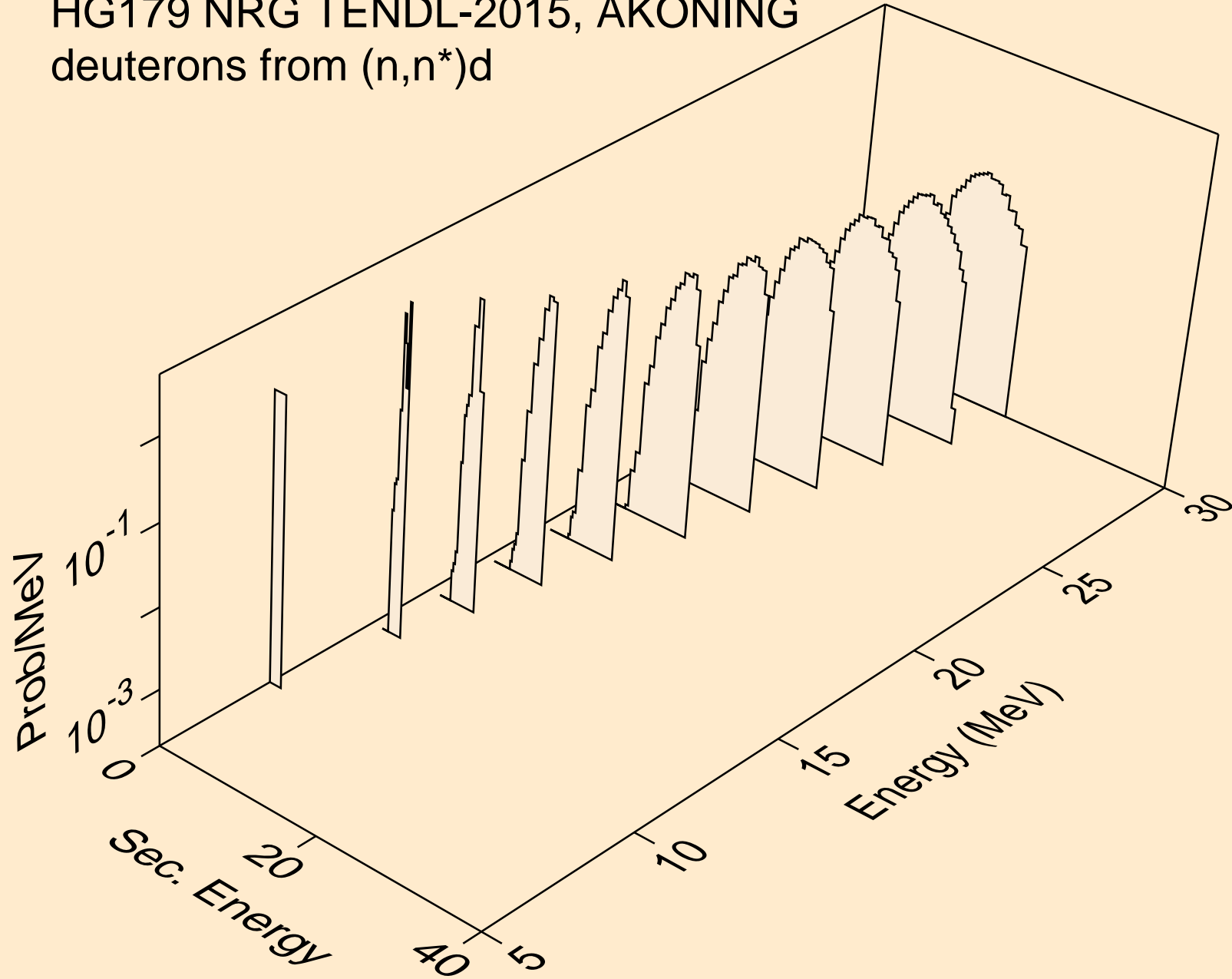
HG179 NRG TENDL-2015, AKONING  
deuterons from (n,x)



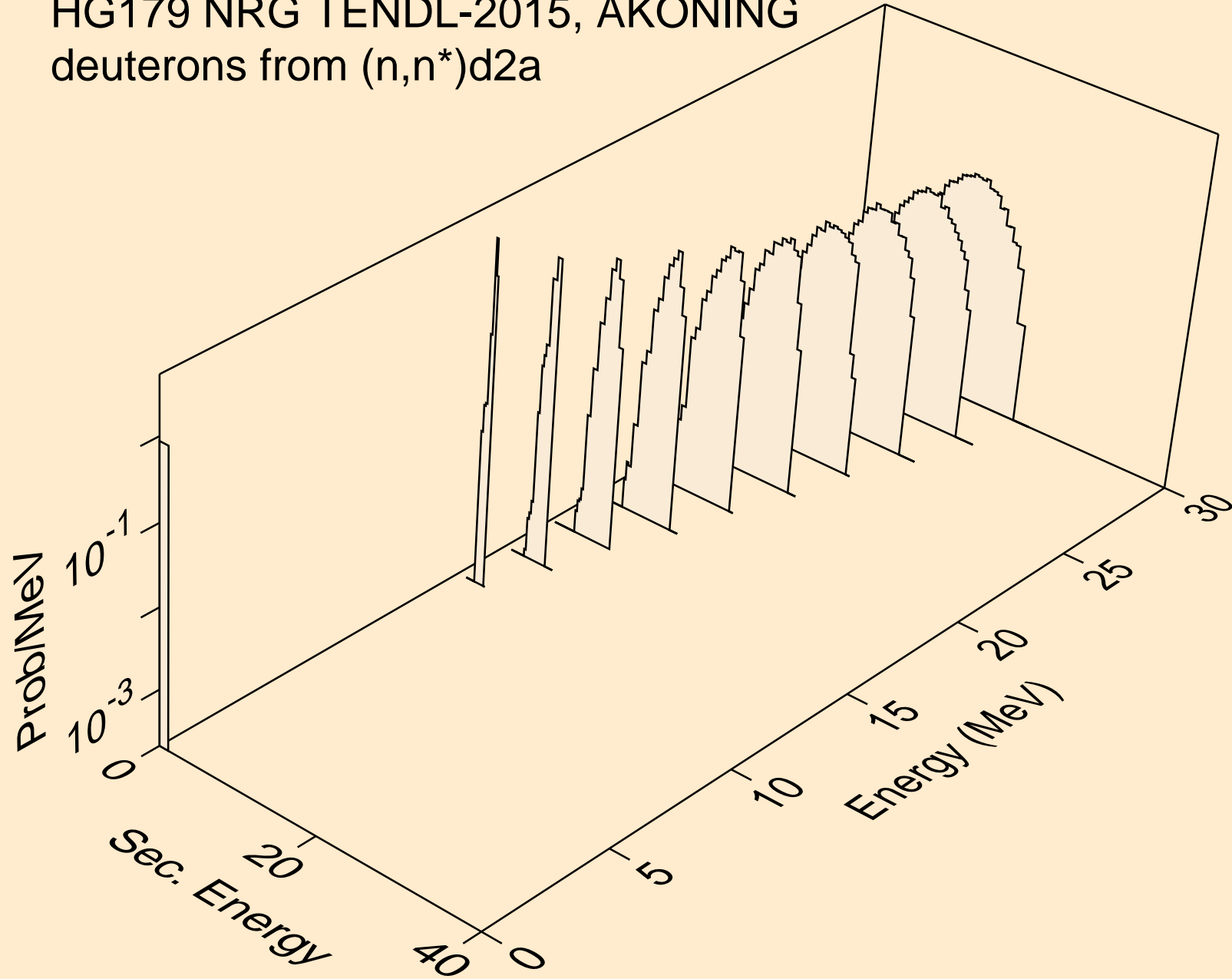
HG179 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



HG179 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d

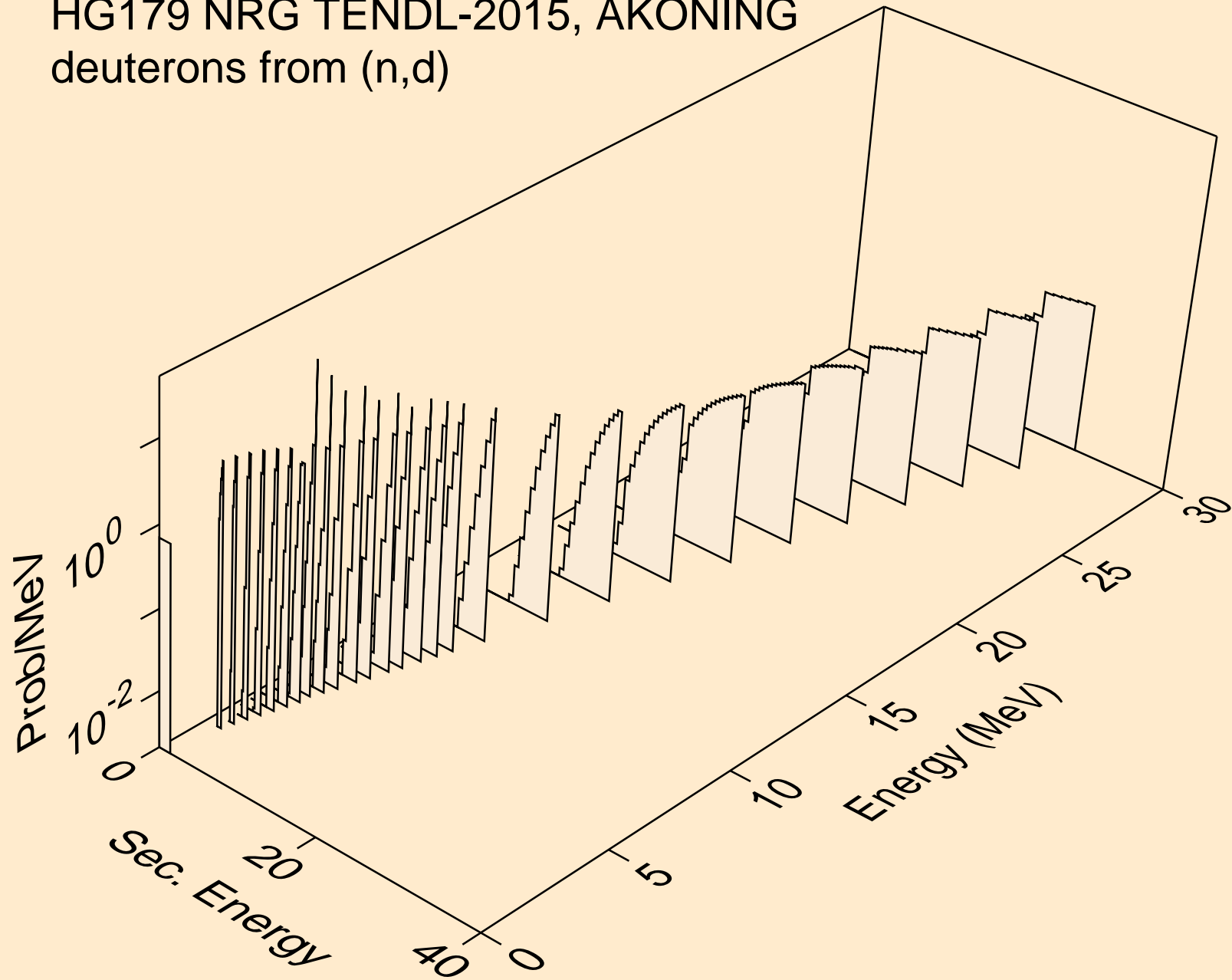


HG179 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d2a

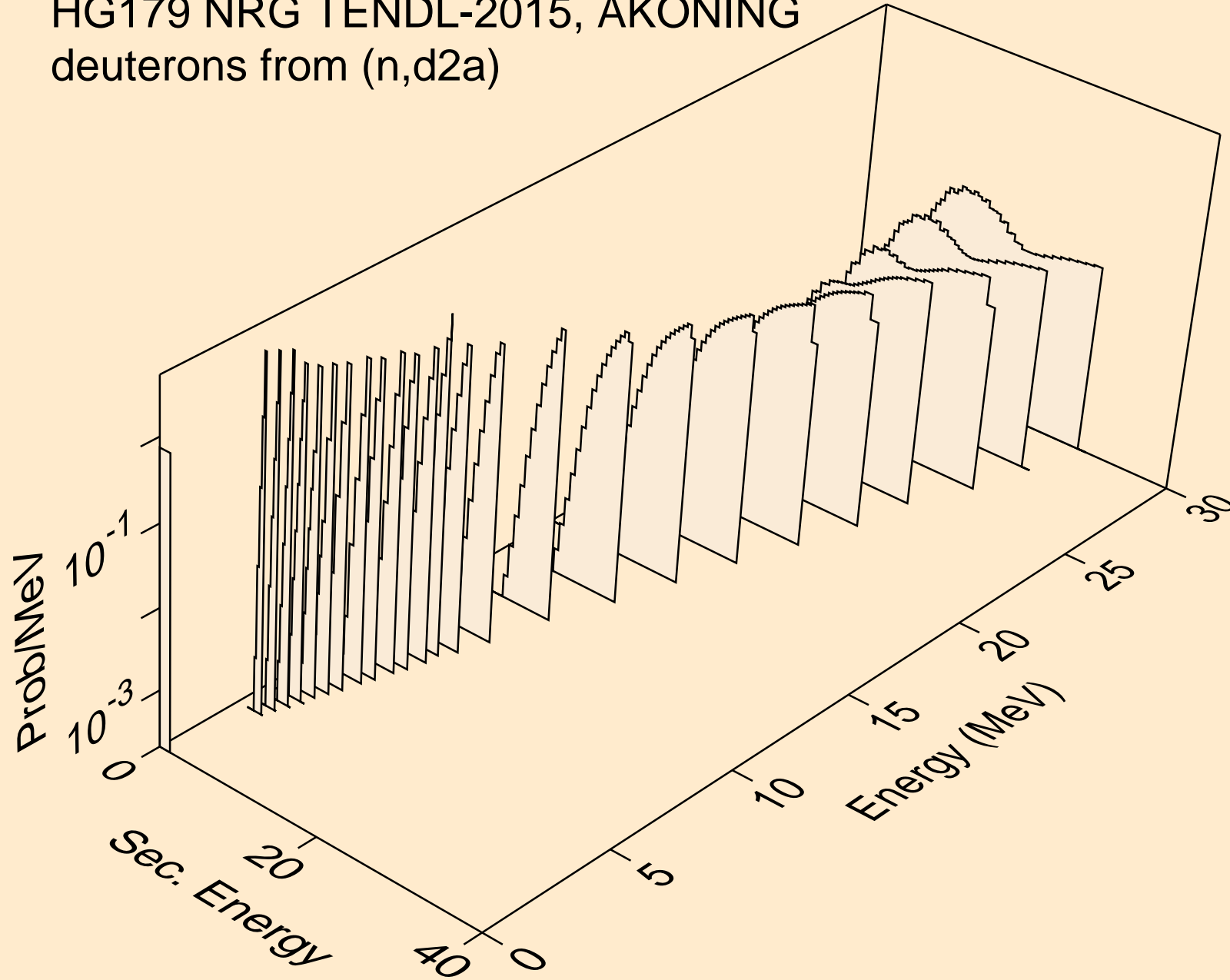




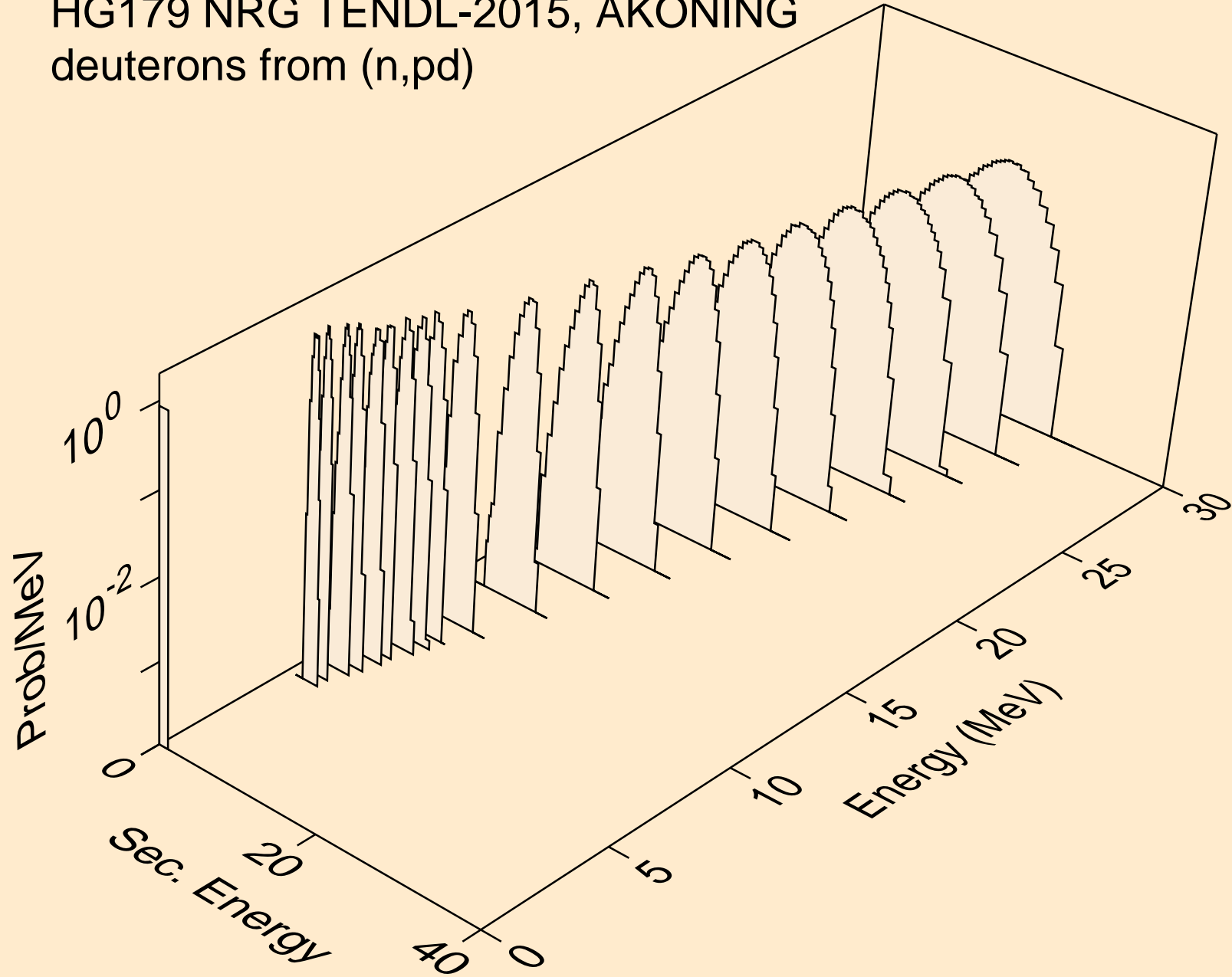
HG179 NRG TENDL-2015, AKONING  
deuterons from (n,d)



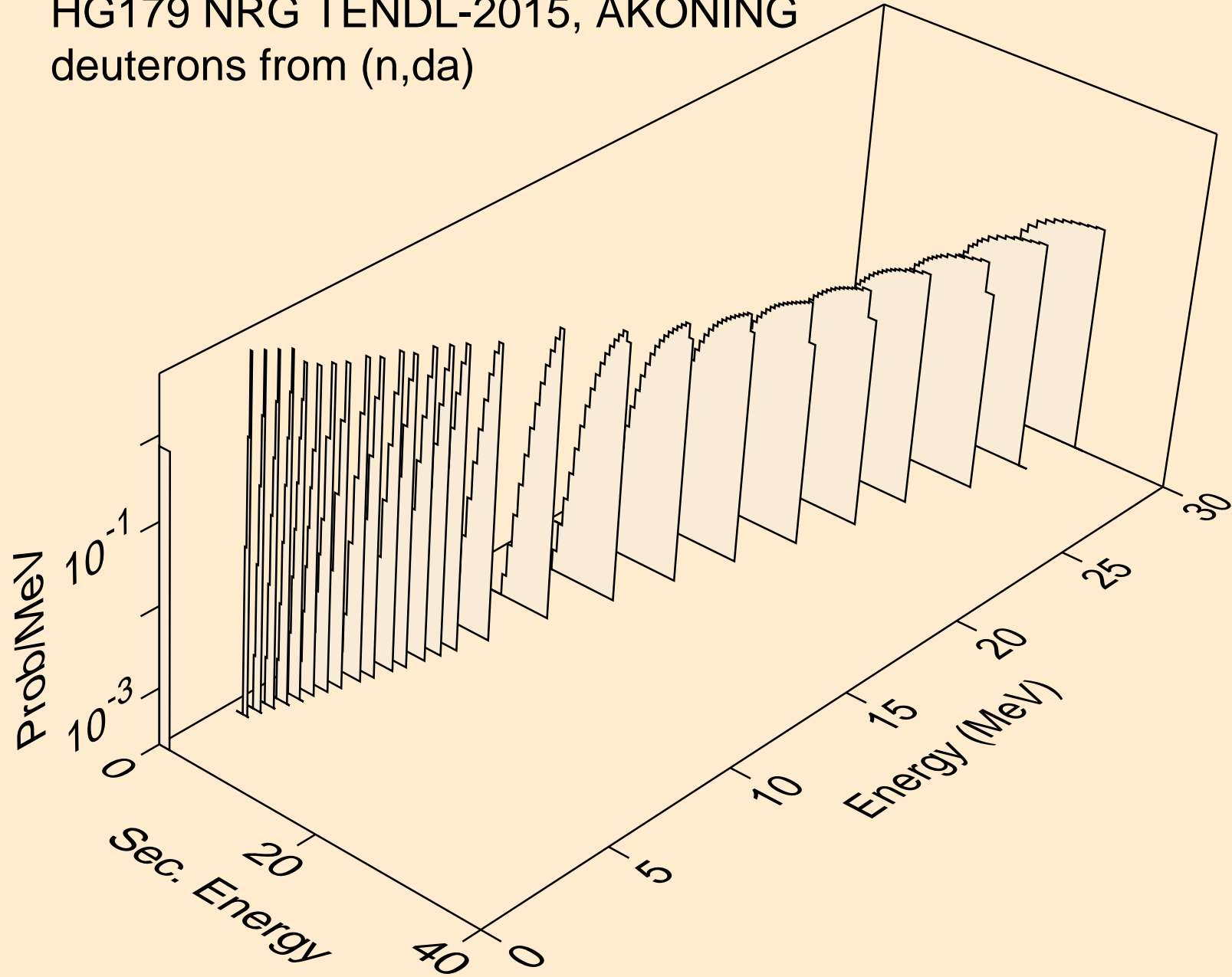
HG179 NRG TENDL-2015, AKONING  
deuterons from (n,d2a)



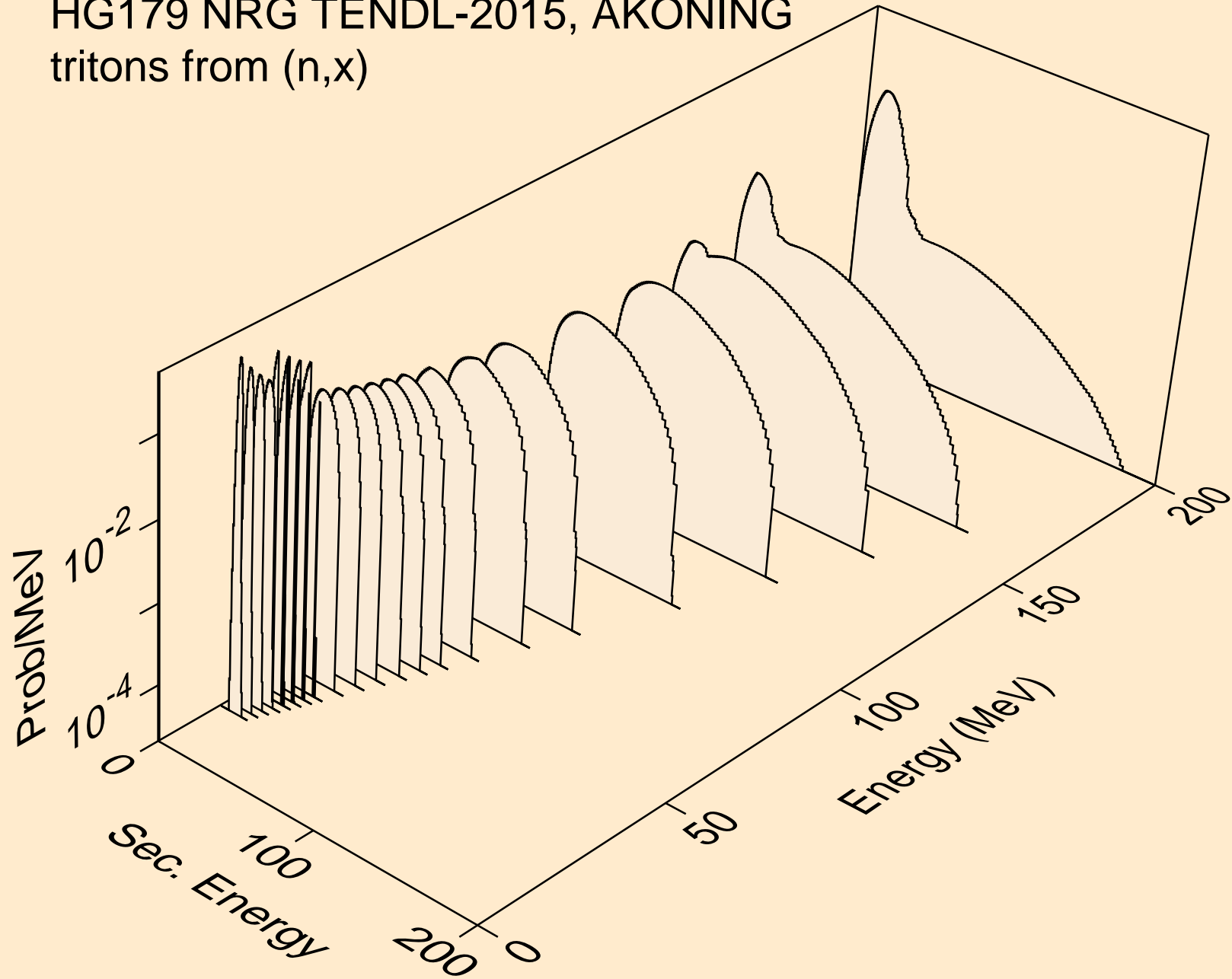
HG179 NRG TENDL-2015, AKONING  
deuterons from (n,pd)



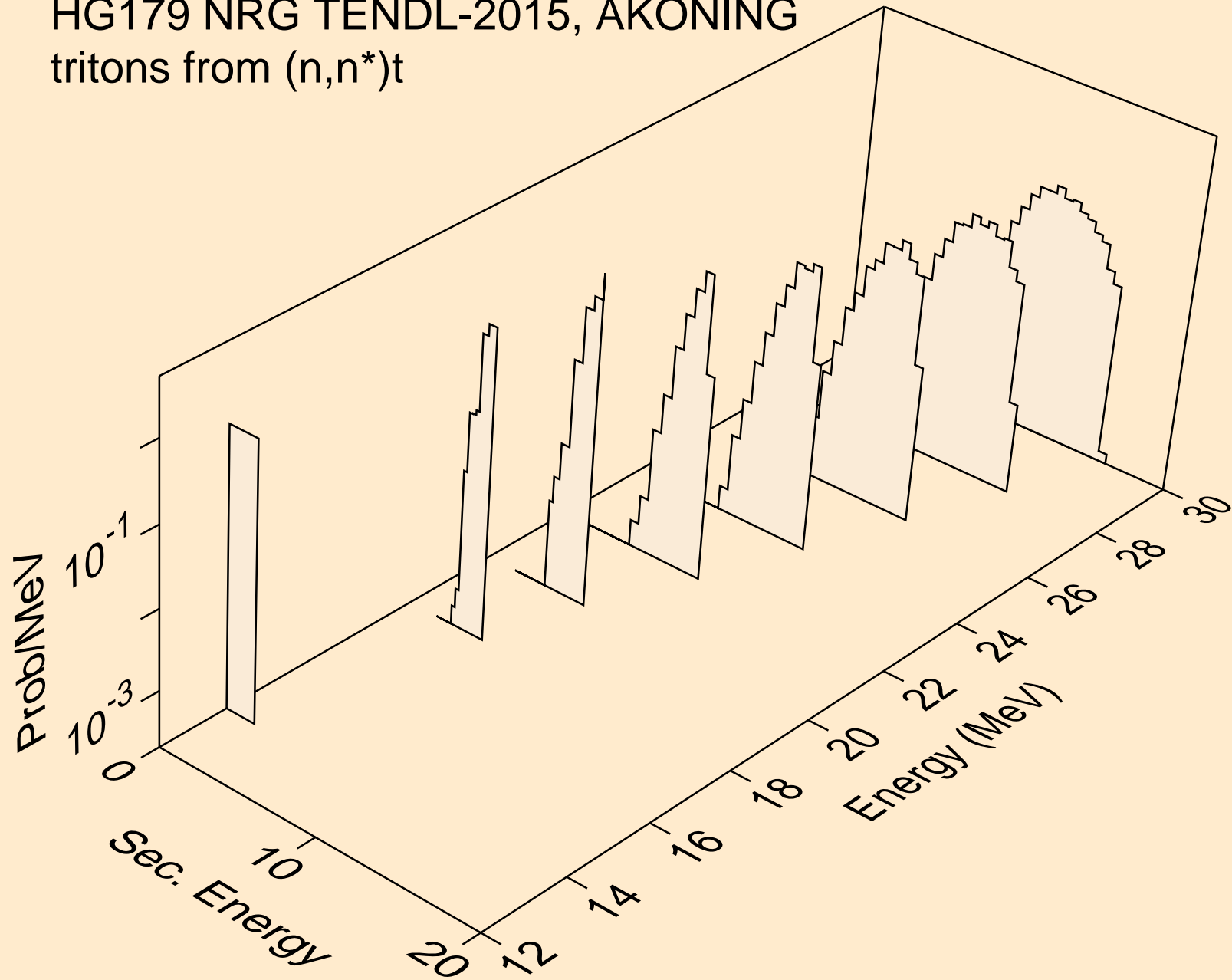
HG179 NRG TENDL-2015, AKONING  
deuterons from (n,da)



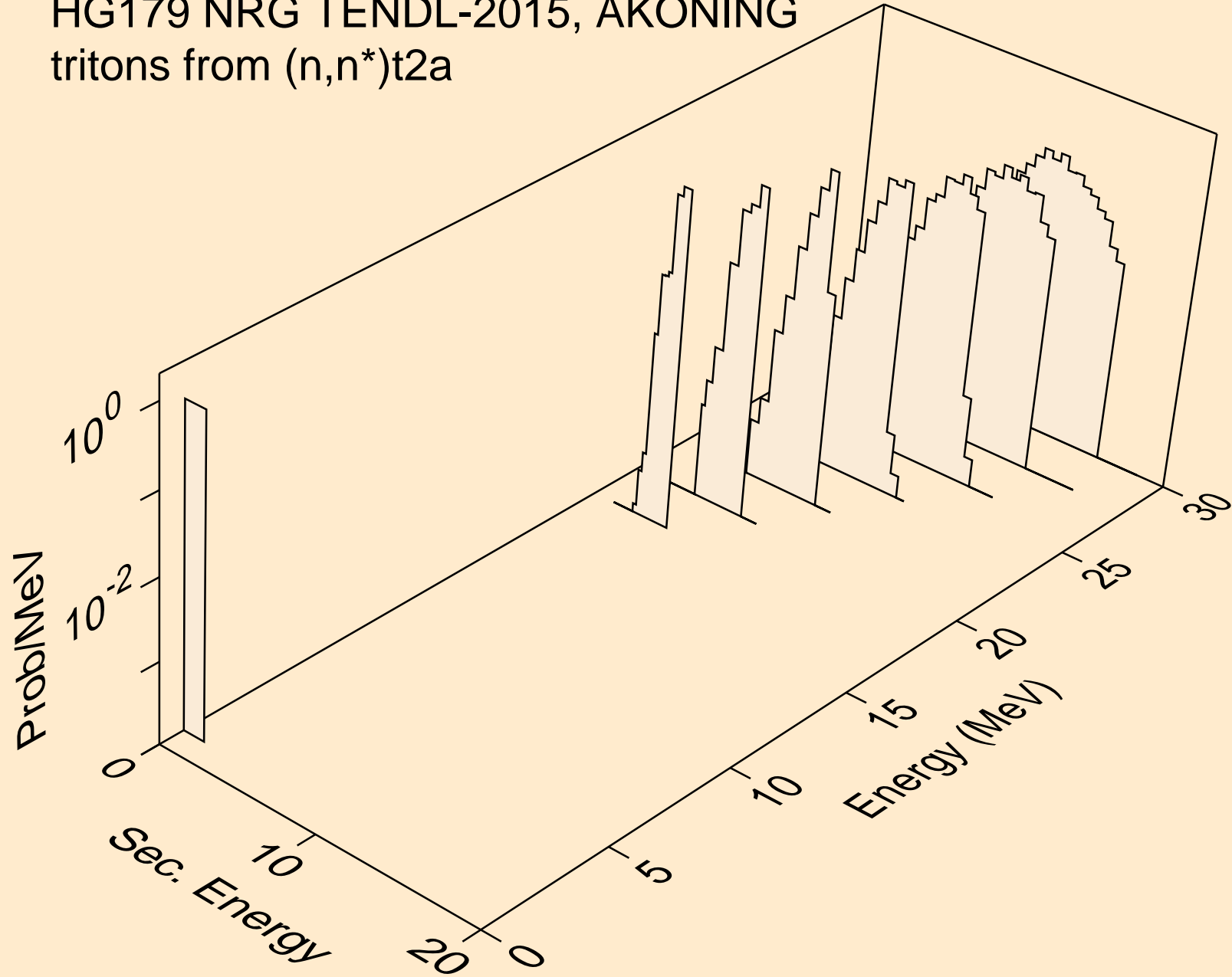
HG179 NRG TENDL-2015, AKONING  
tritons from (n,x)



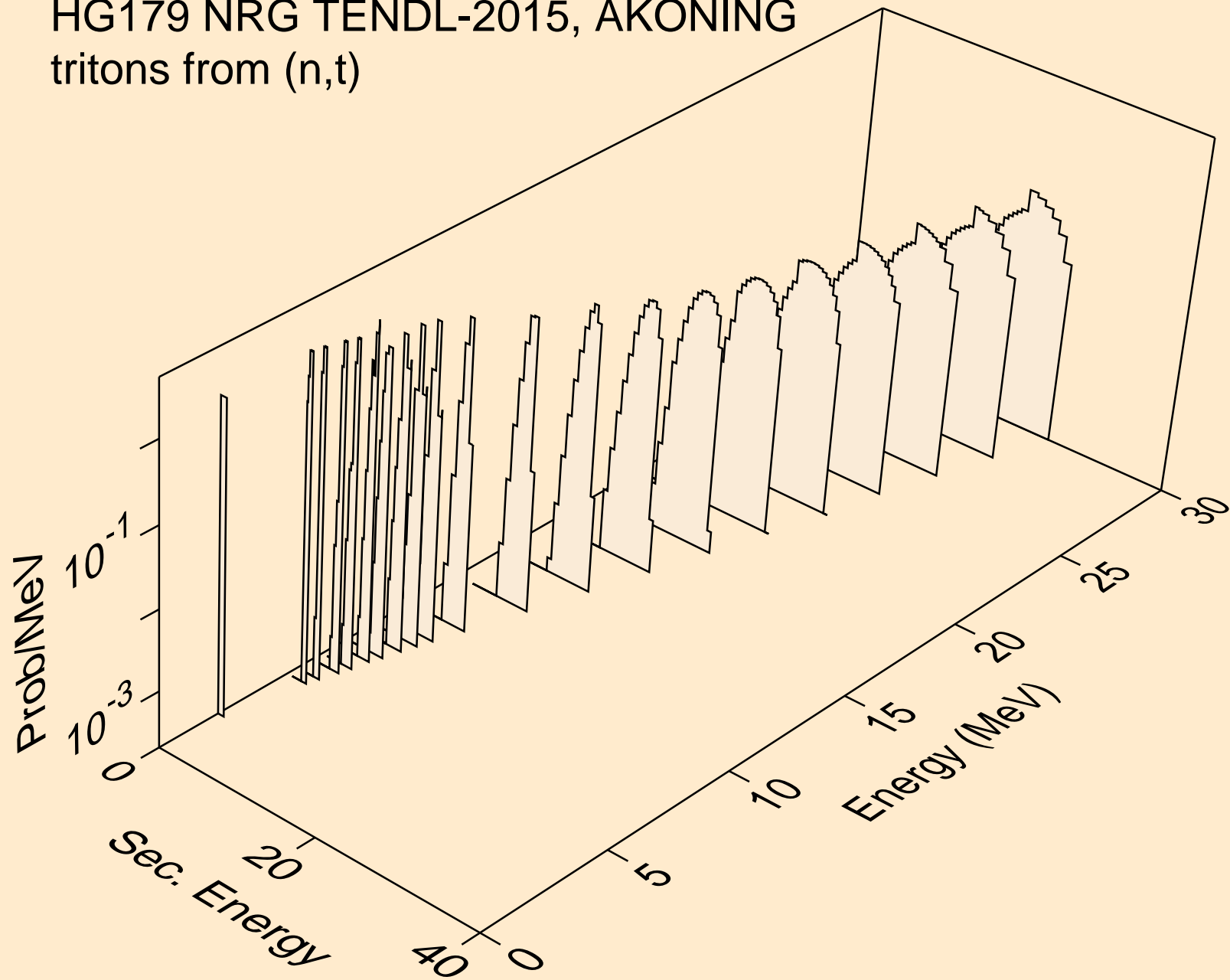
HG179 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



HG179 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t2a

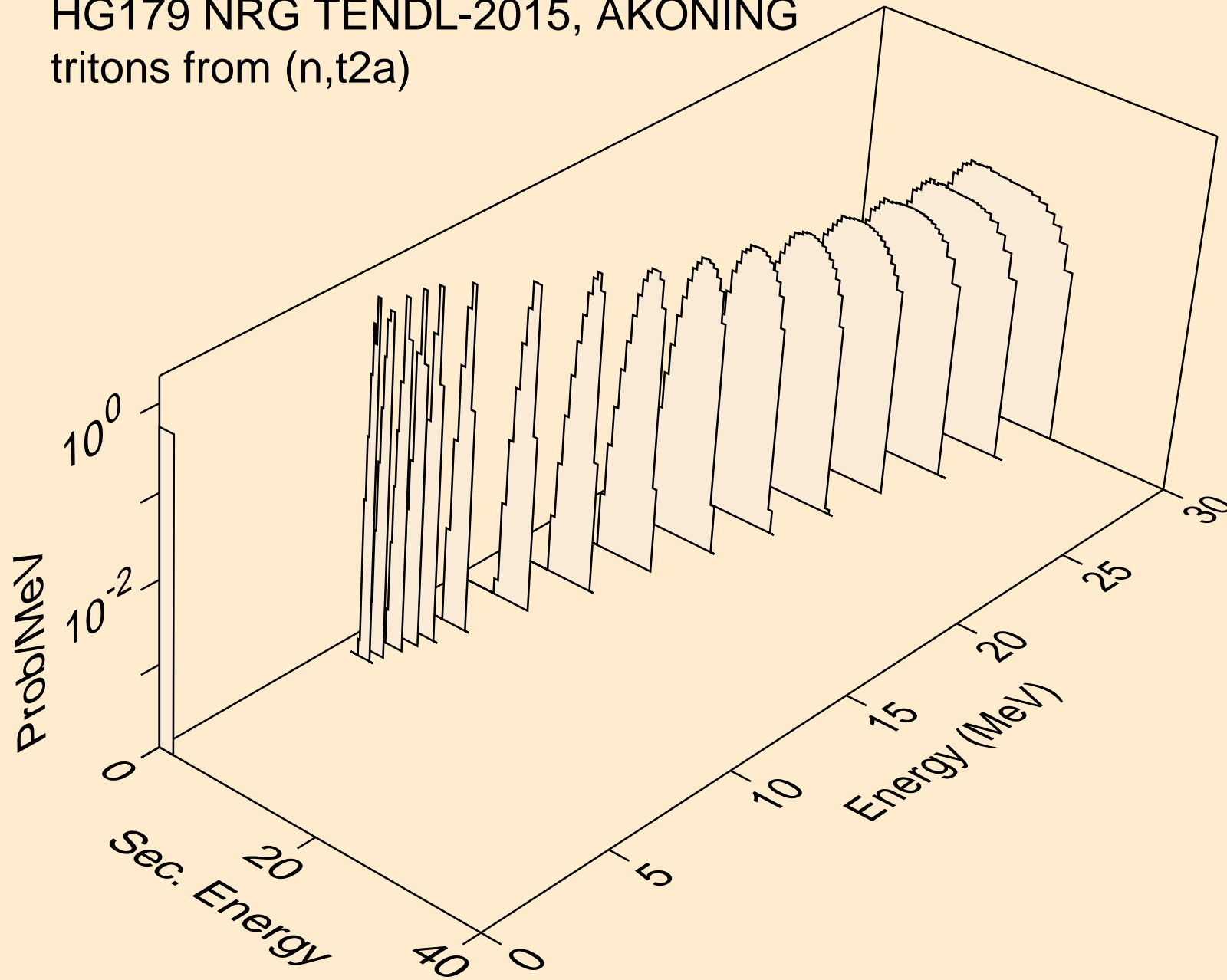


HG179 NRG TENDL-2015, AKONING  
tritons from (n,t)

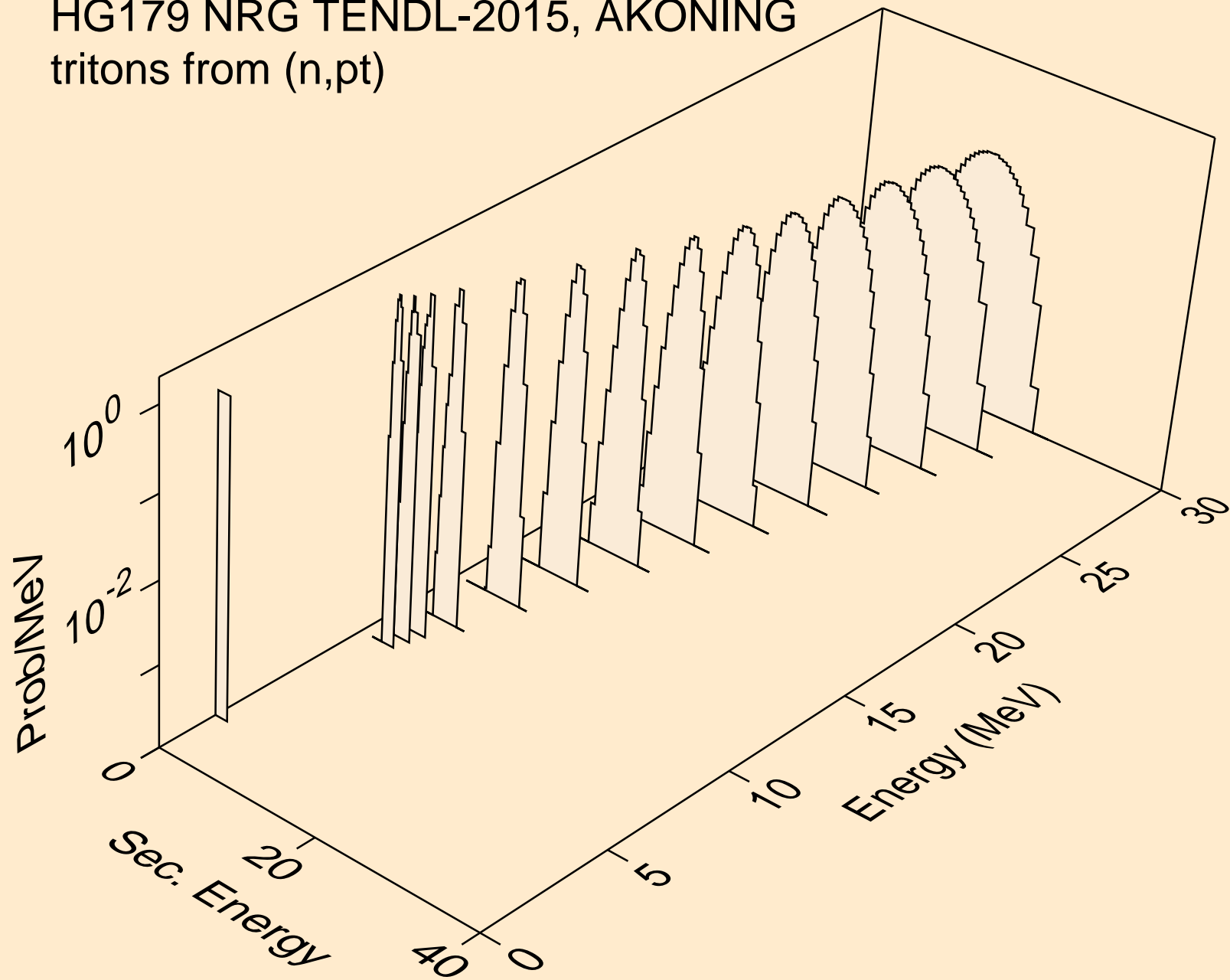




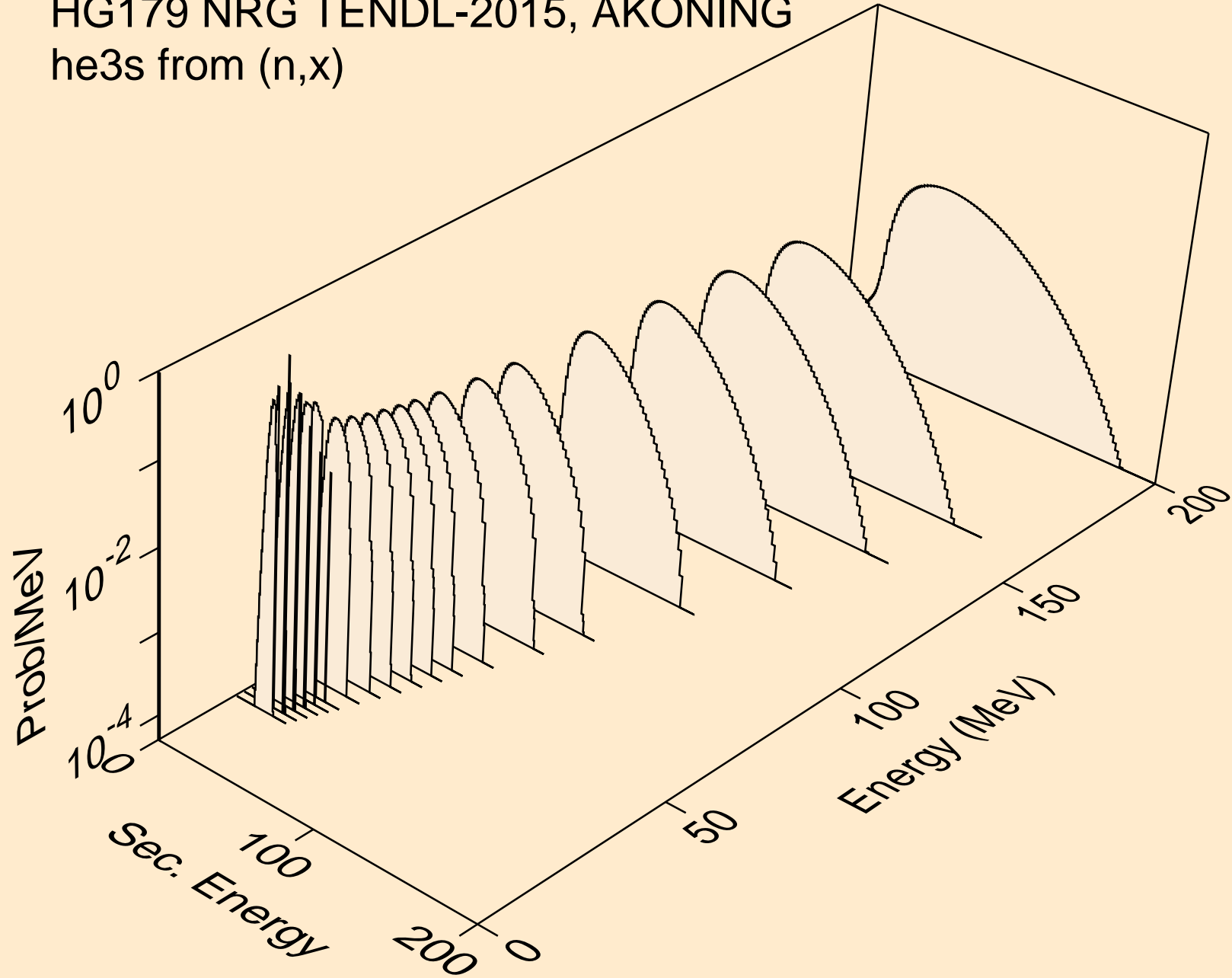
HG179 NRG TENDL-2015, AKONING  
tritons from (n,t2a)



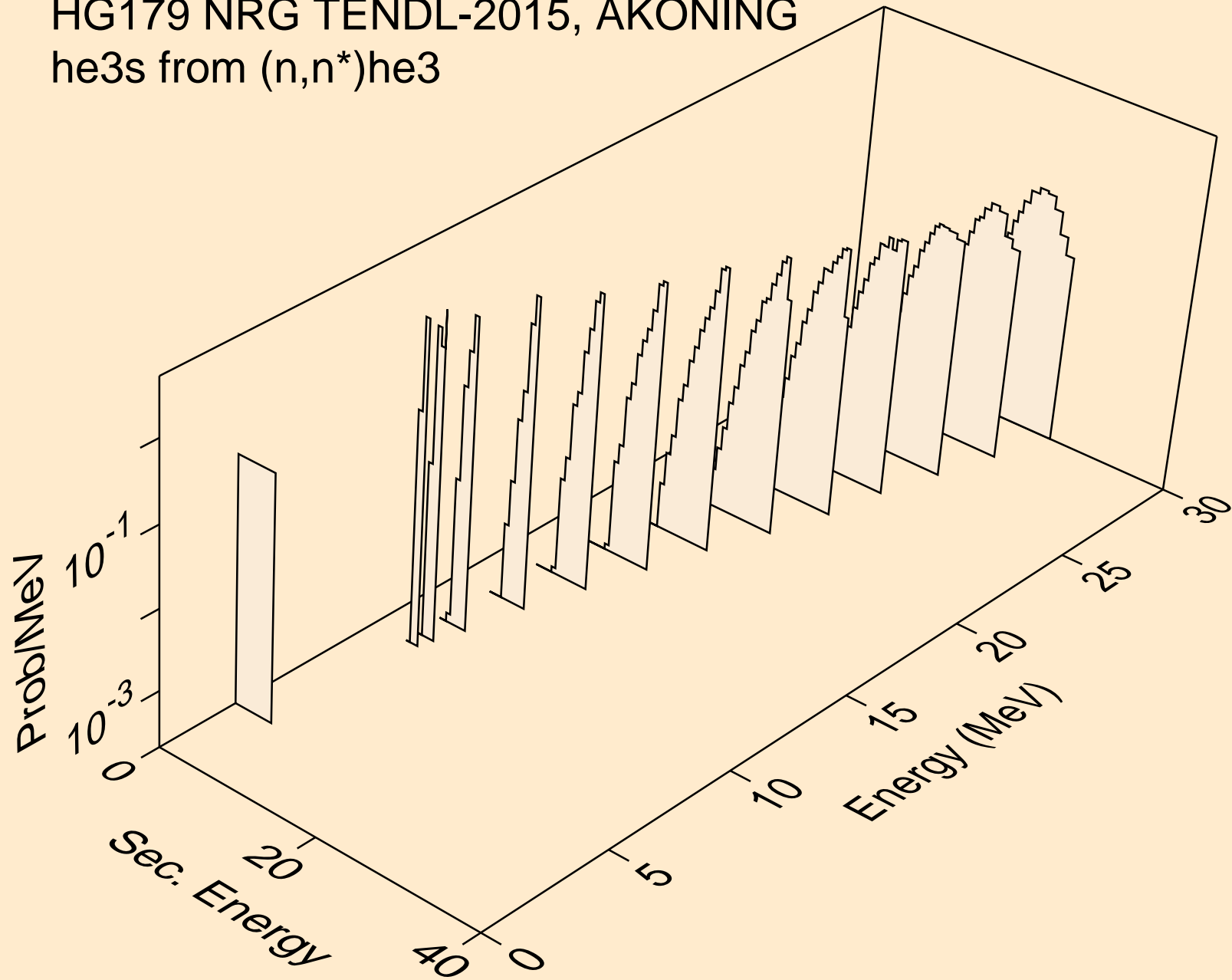
HG179 NRG TENDL-2015, AKONING  
tritons from (n,pt)



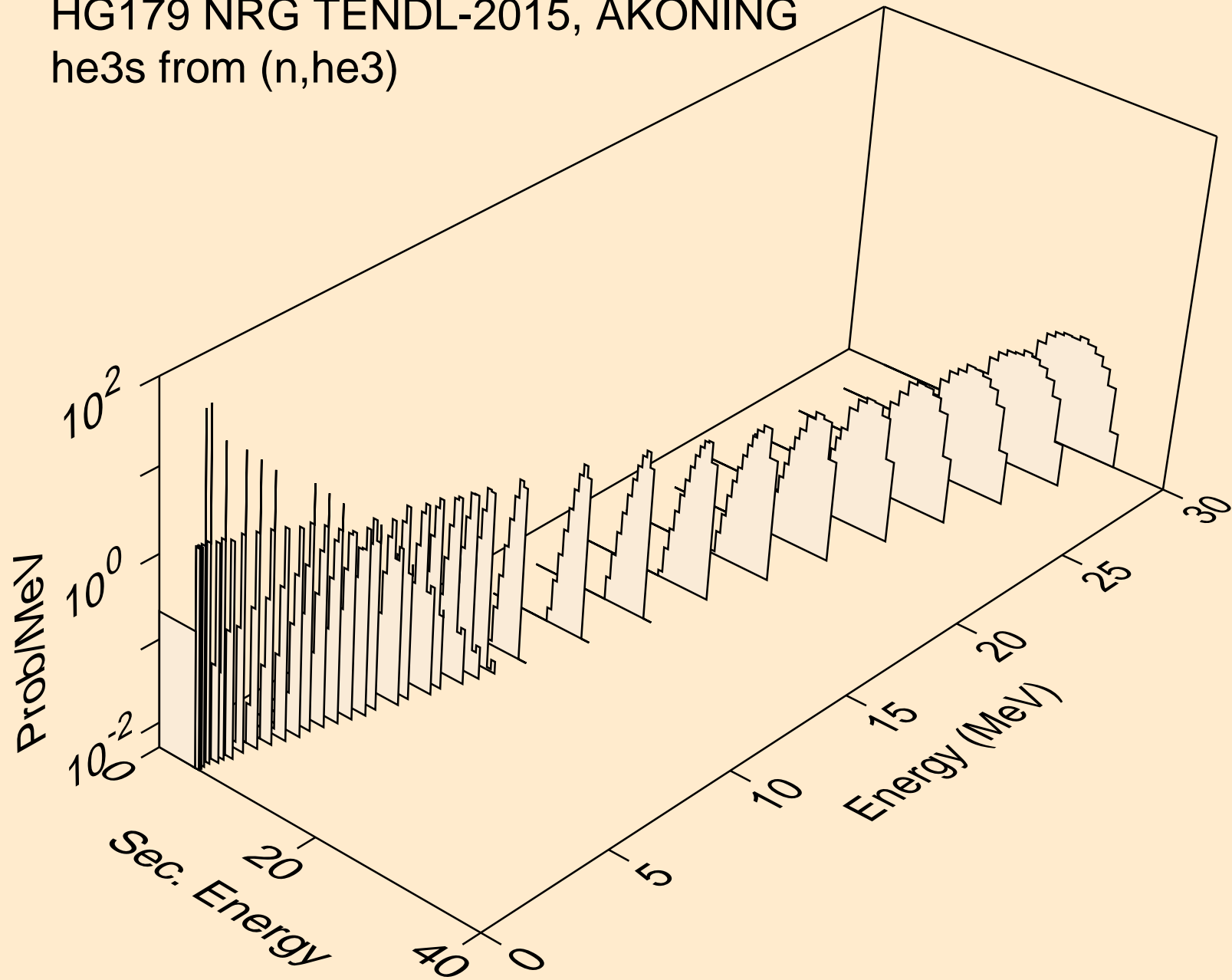
HG179 NRG TENDL-2015, AKONING  
he3s from (n,x)



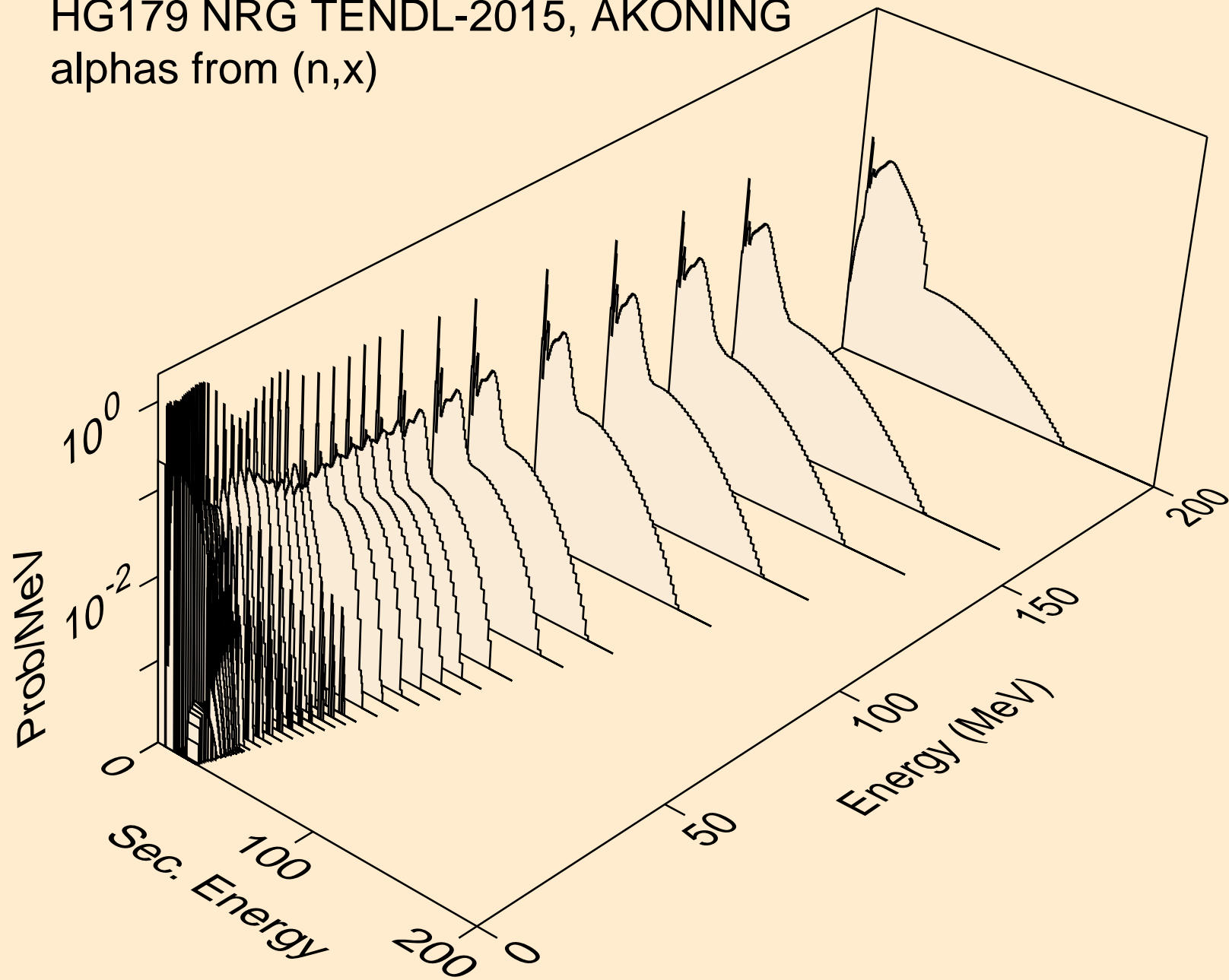
HG179 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



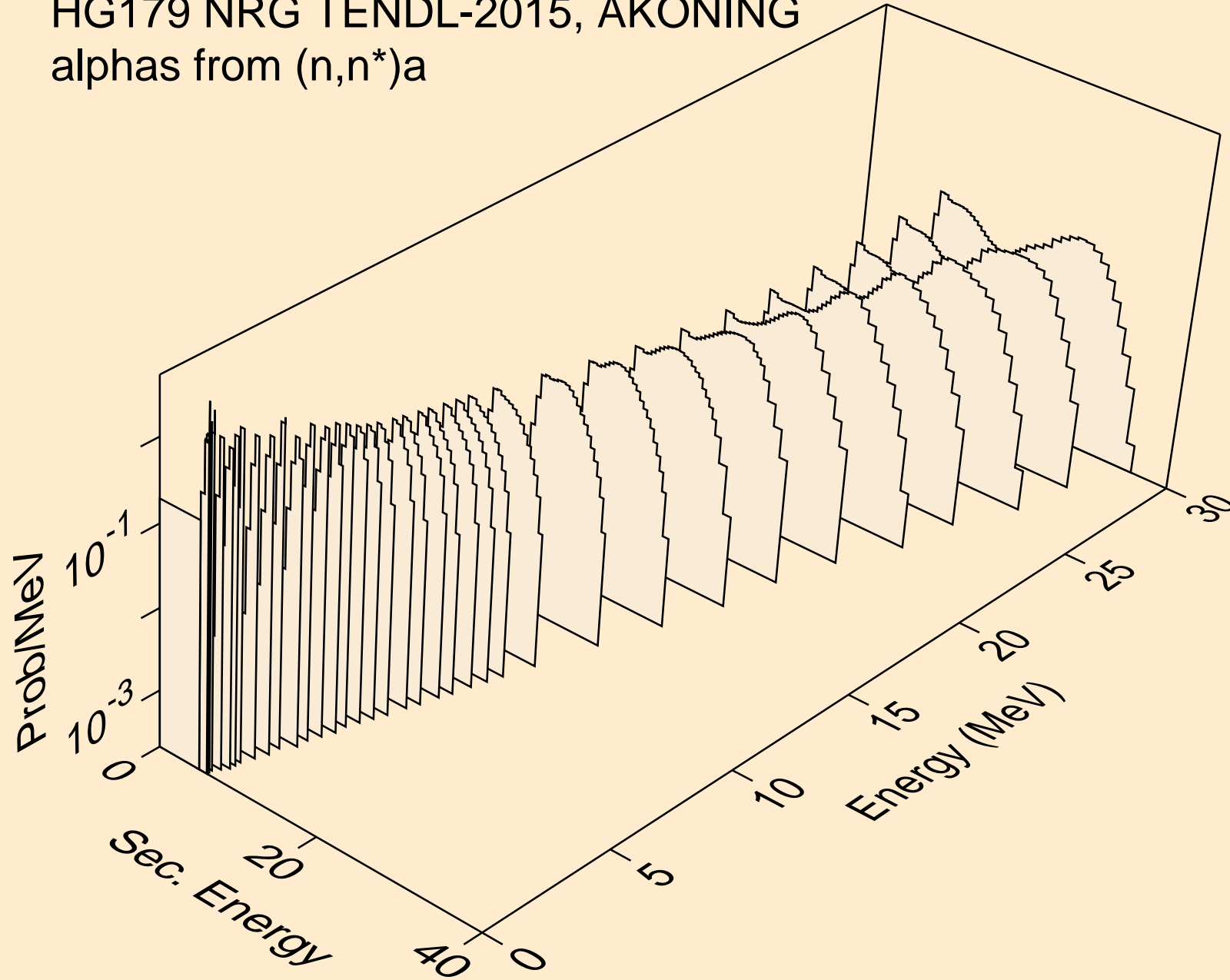
HG179 NRG TENDL-2015, AKONING  
he3s from (n,he3)



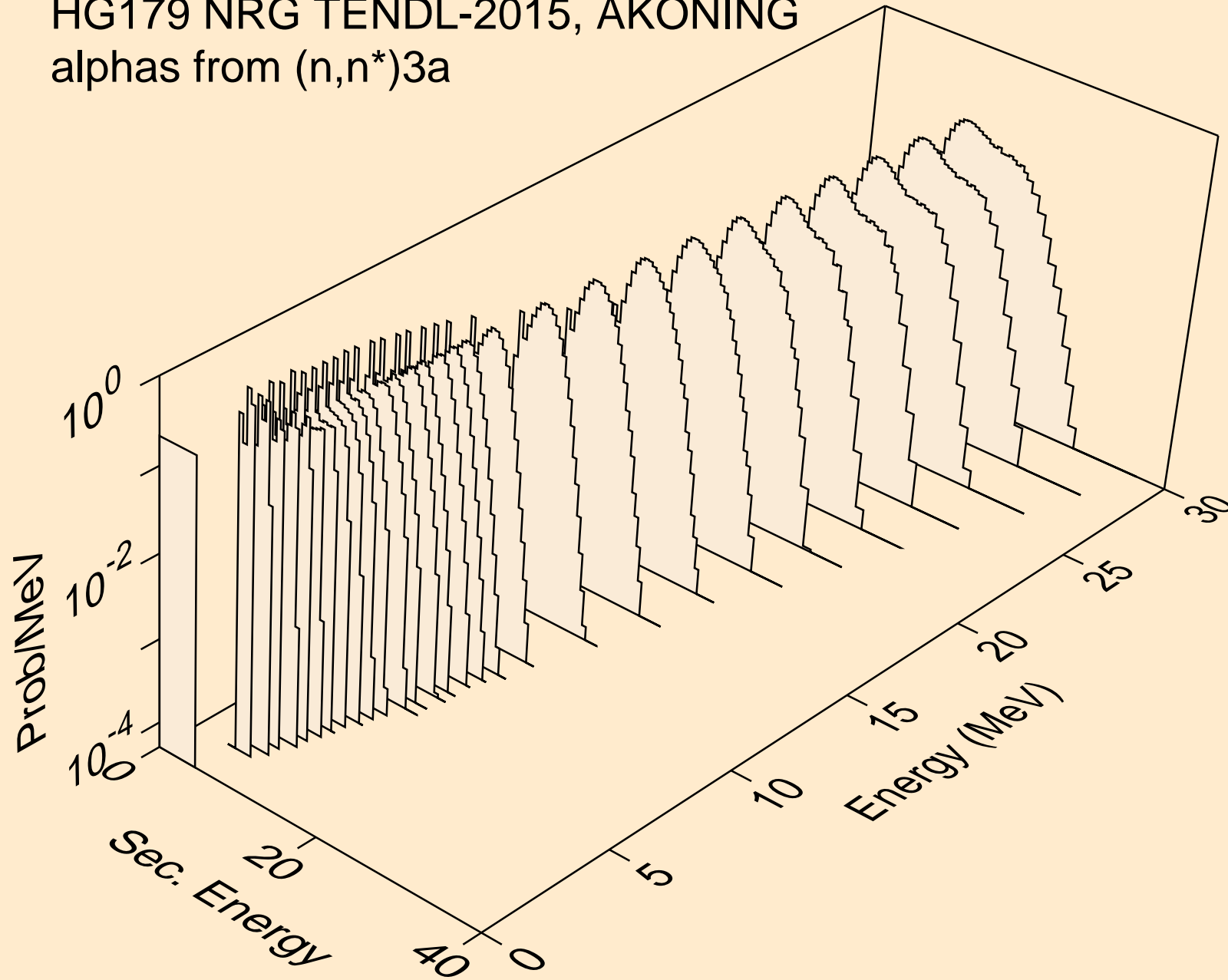
HG179 NRG TENDL-2015, AKONING  
alphas from (n,x)



HG179 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a

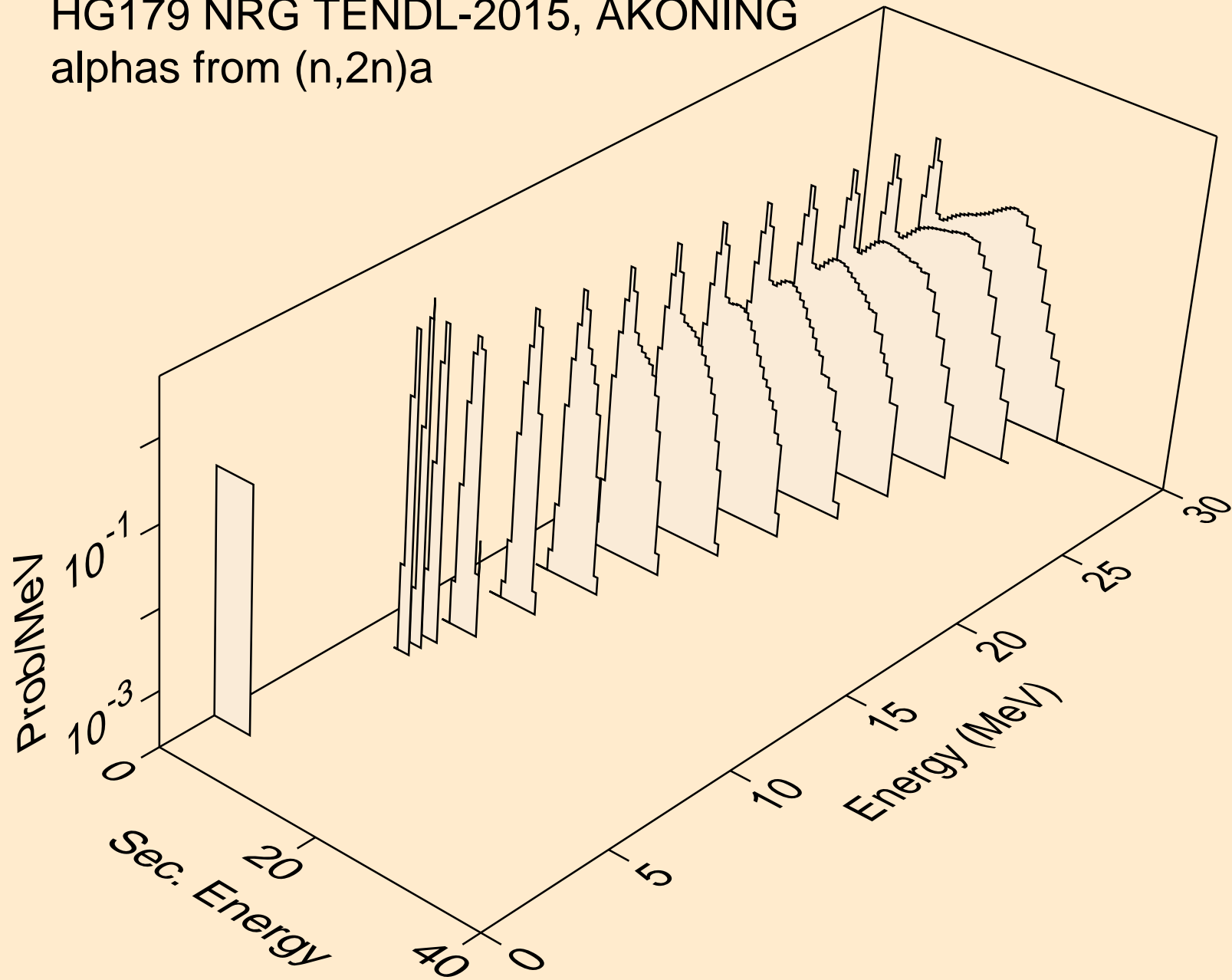


HG179 NRG TENDL-2015, AKONING  
alphas from (n,n\*)3a

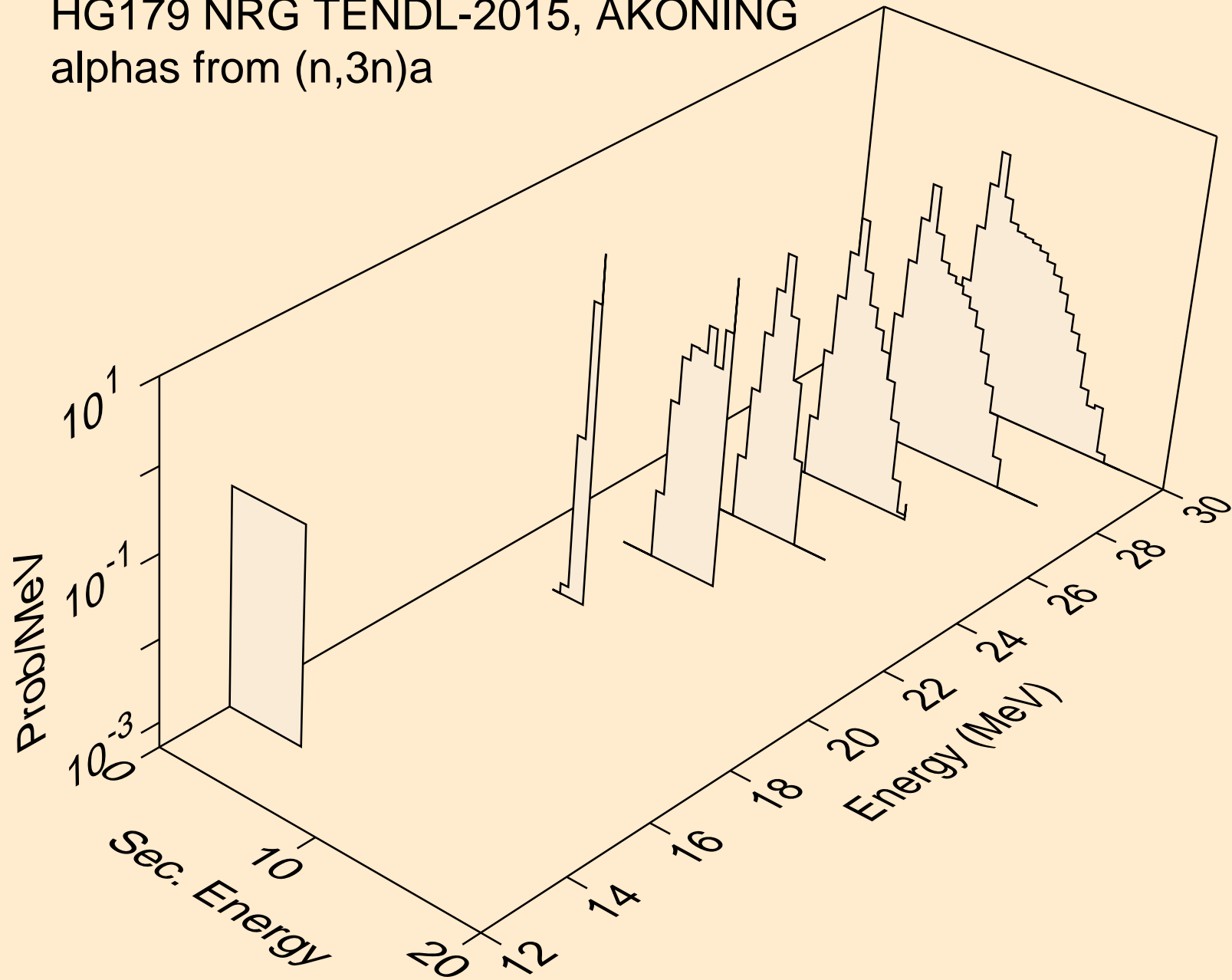




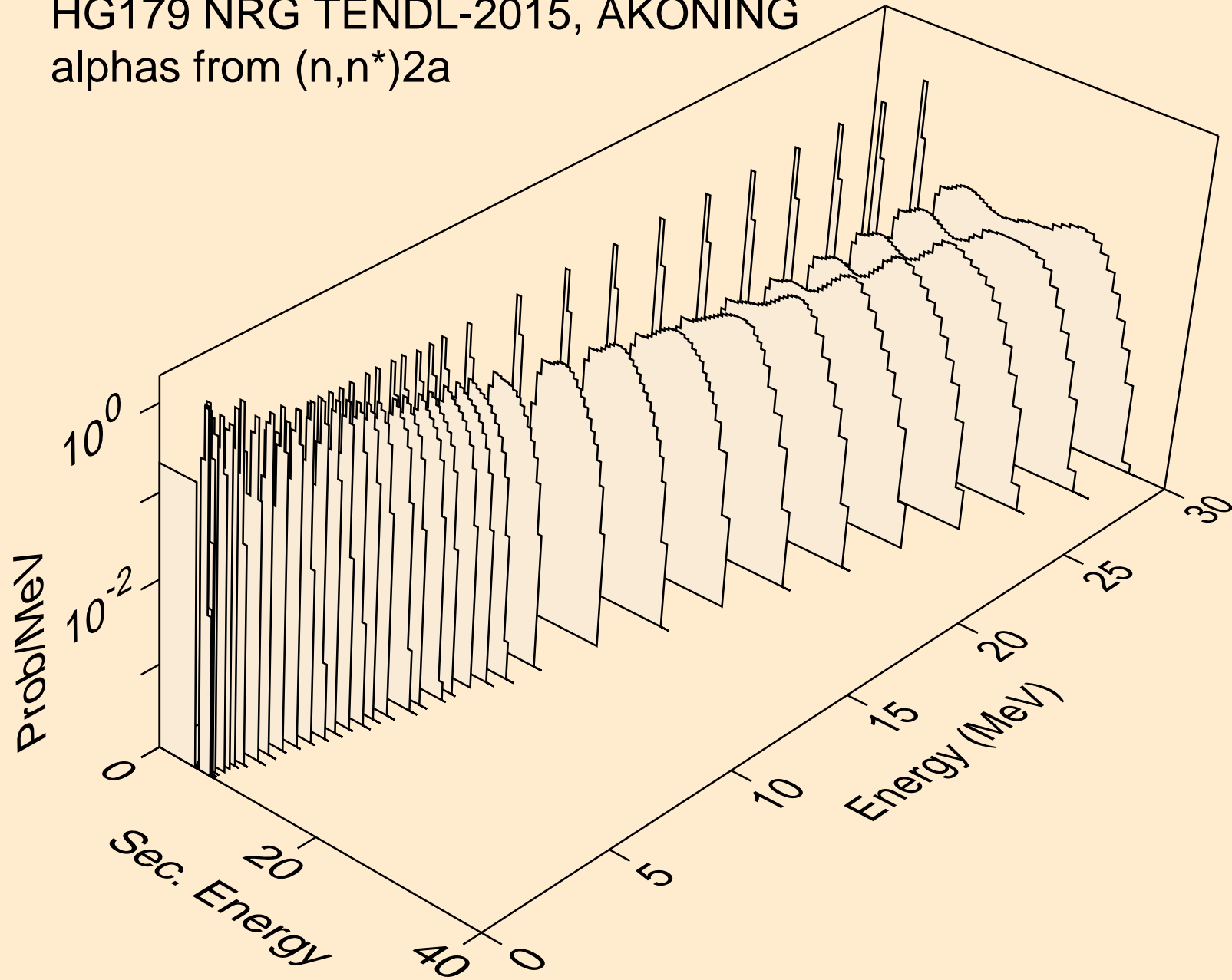
HG179 NRG TENDL-2015, AKONING  
alphas from (n,2n)a



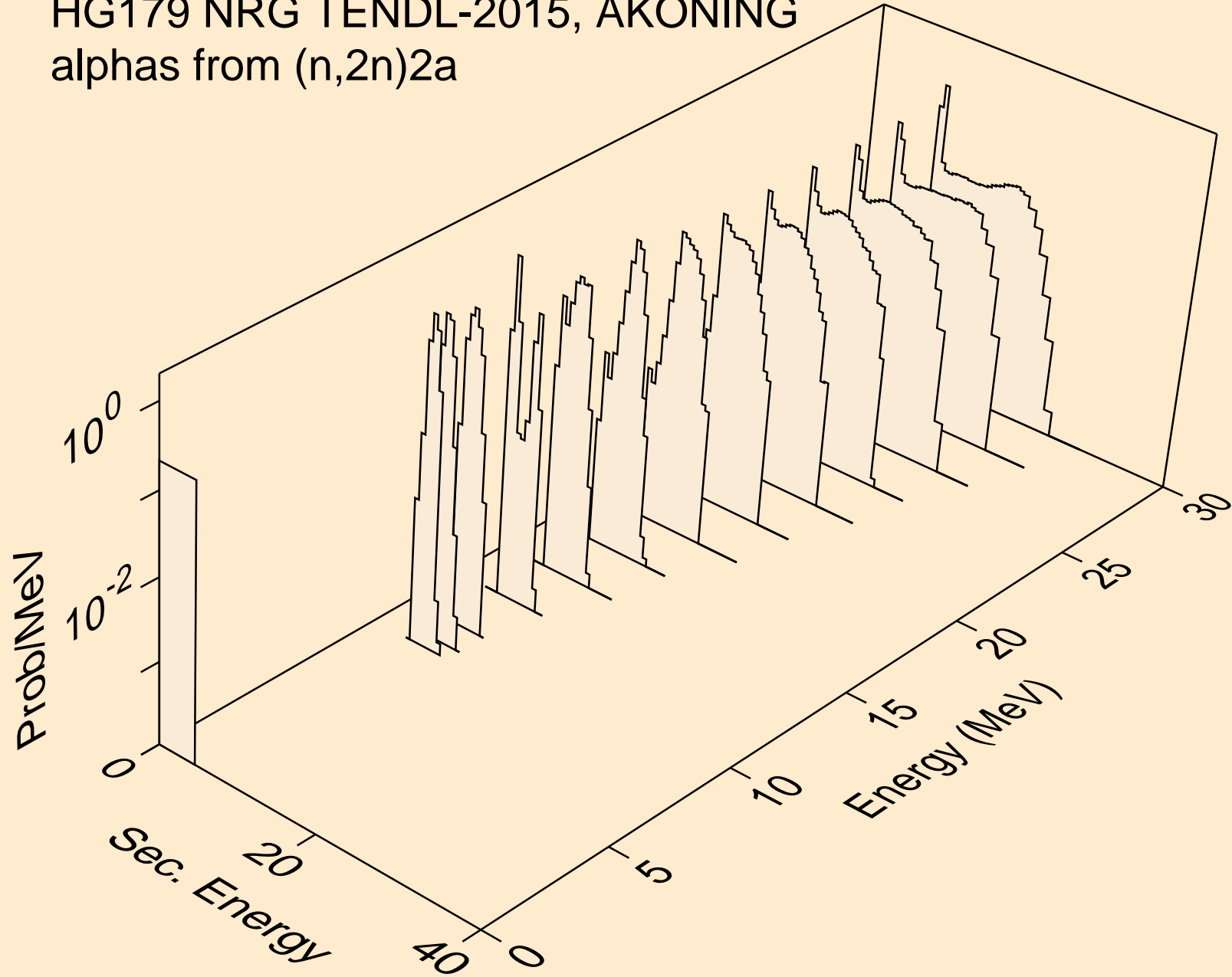
HG179 NRG TENDL-2015, AKONING  
alphas from (n,3n)a



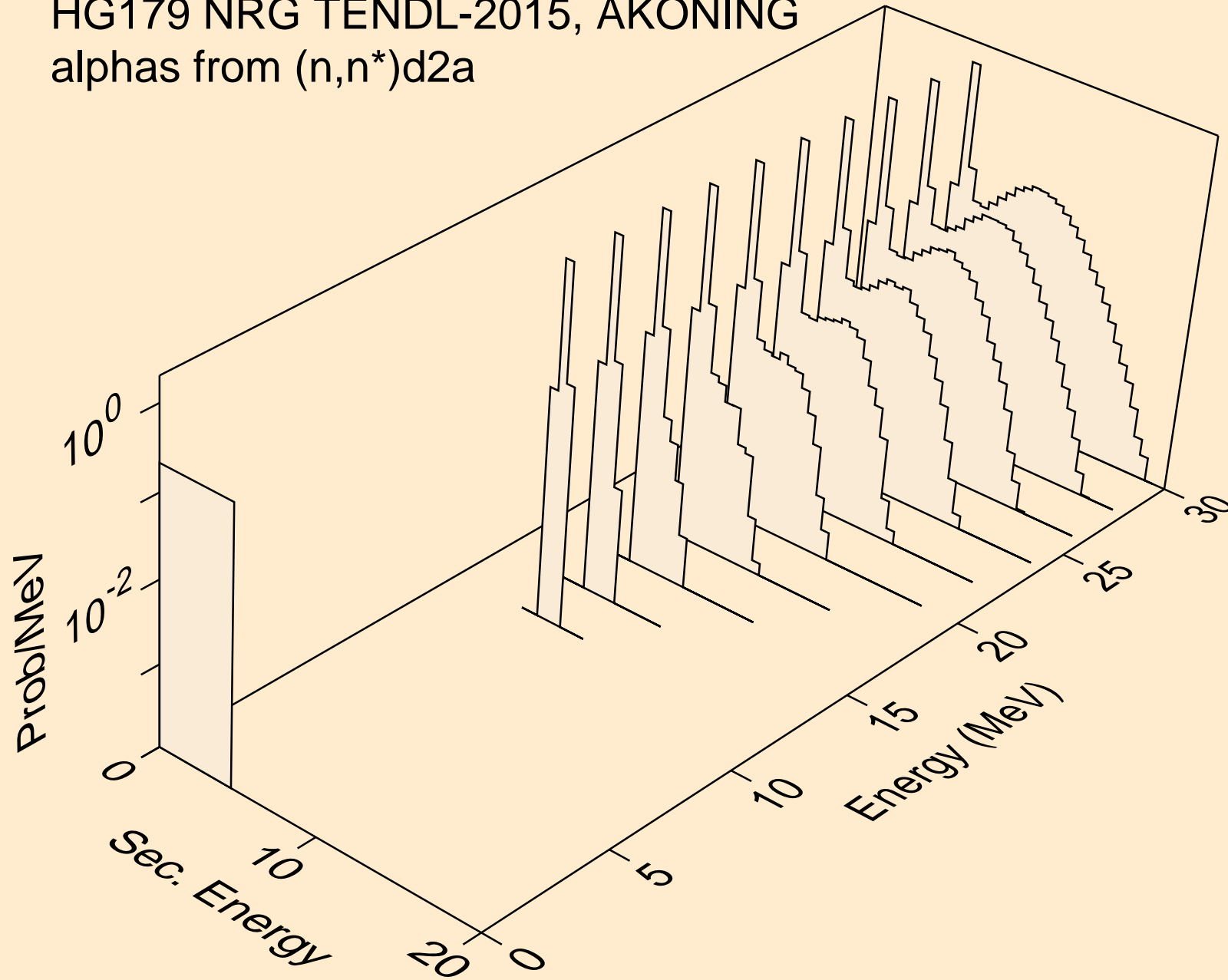
HG179 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



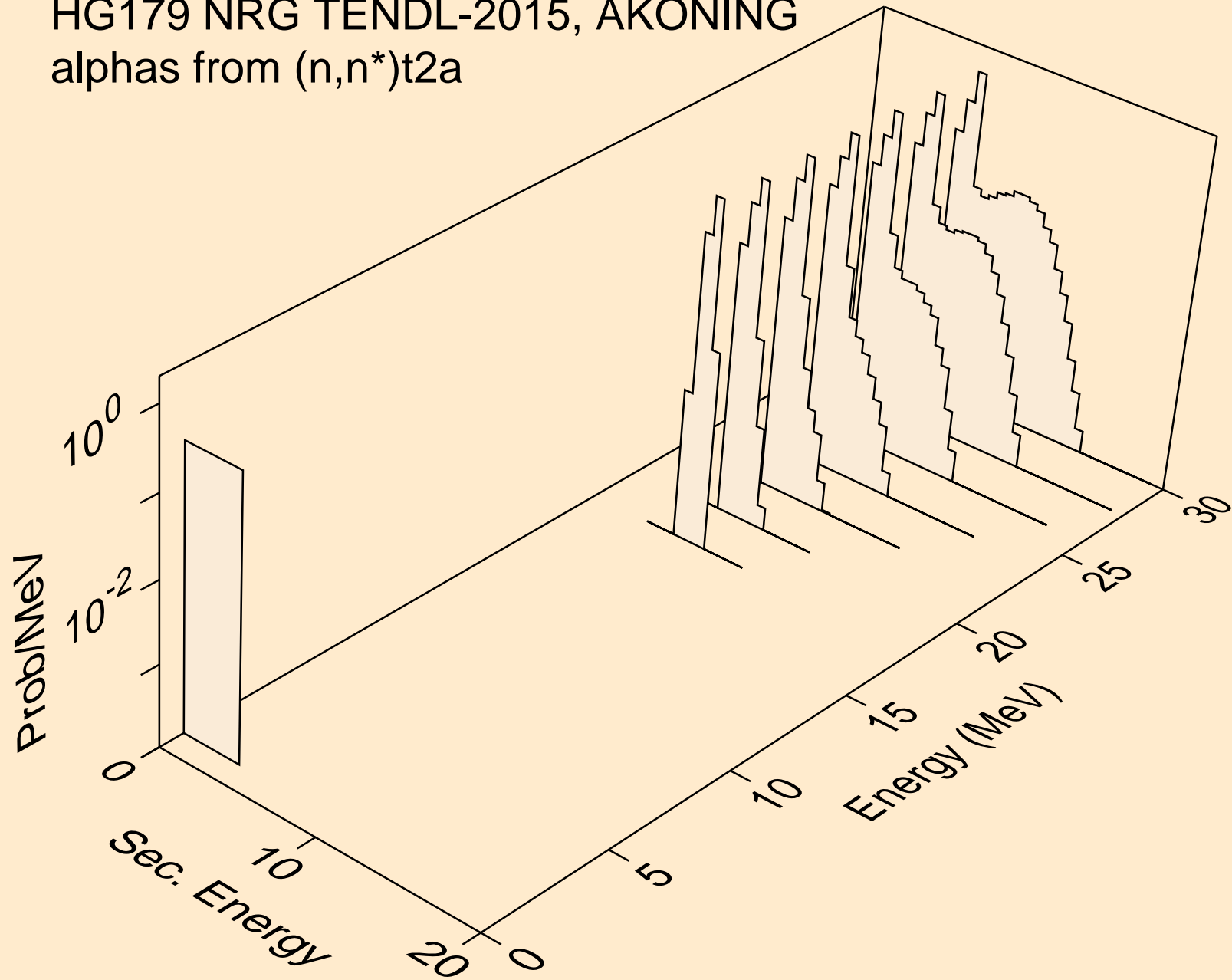
HG179 NRG TENDL-2015, AKONING  
alphas from (n,2n)2a



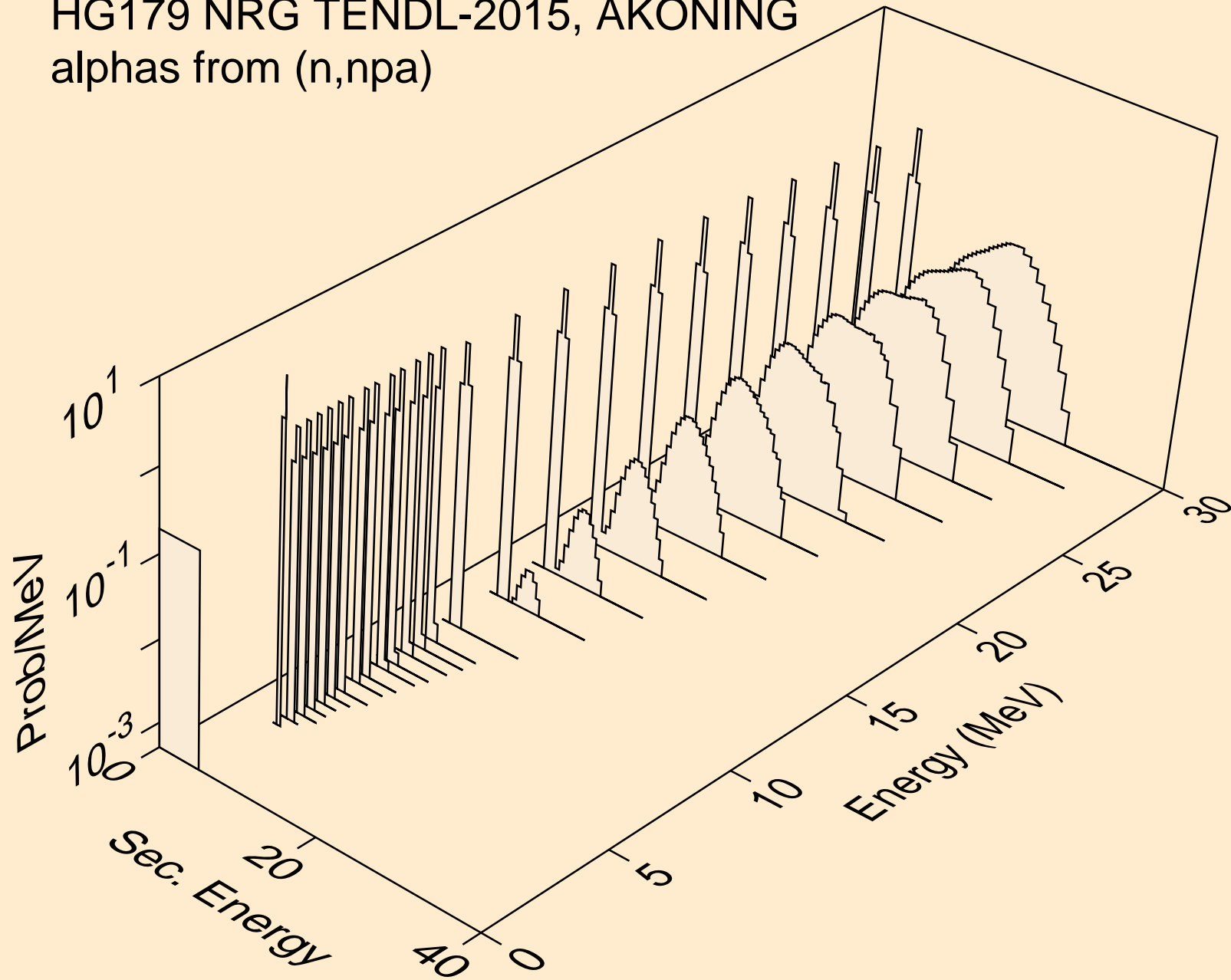
HG179 NRG TENDL-2015, AKONING  
alphas from (n,n\*)d2a



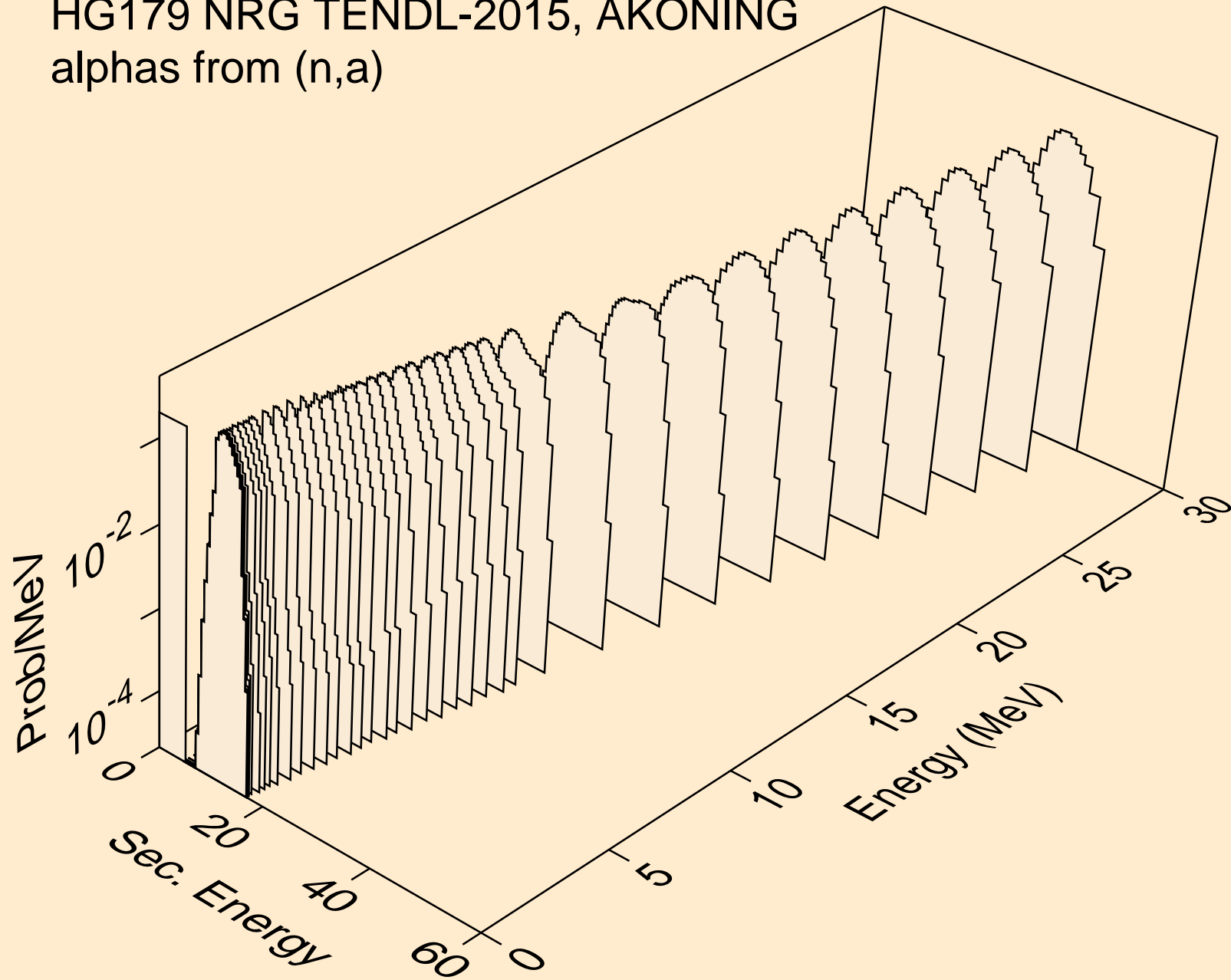
HG179 NRG TENDL-2015, AKONING  
alphas from (n,n\*)t2a



HG179 NRG TENDL-2015, AKONING  
alphas from (n,npa)

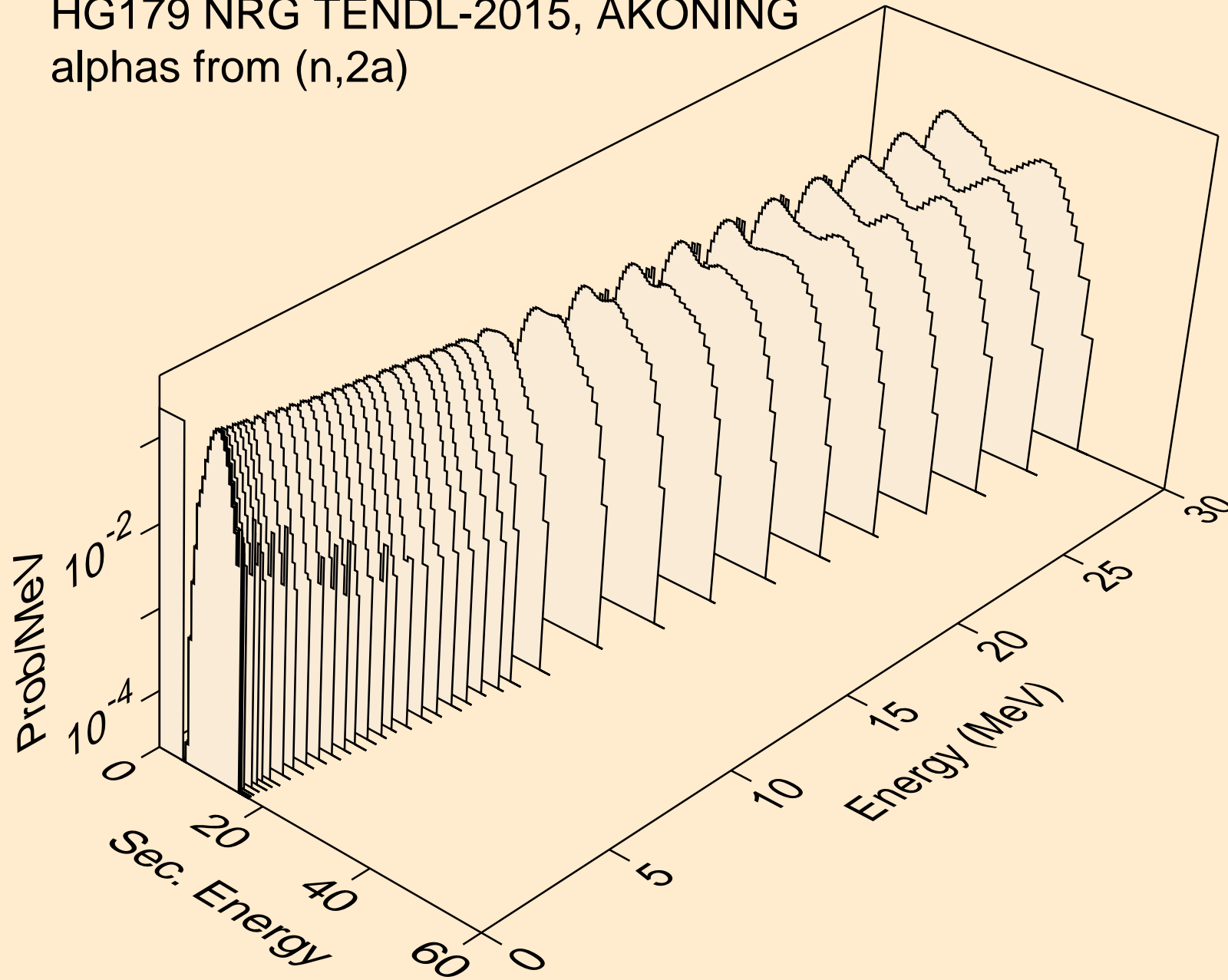


HG179 NRG TENDL-2015, AKONING  
alphas from (n,a)

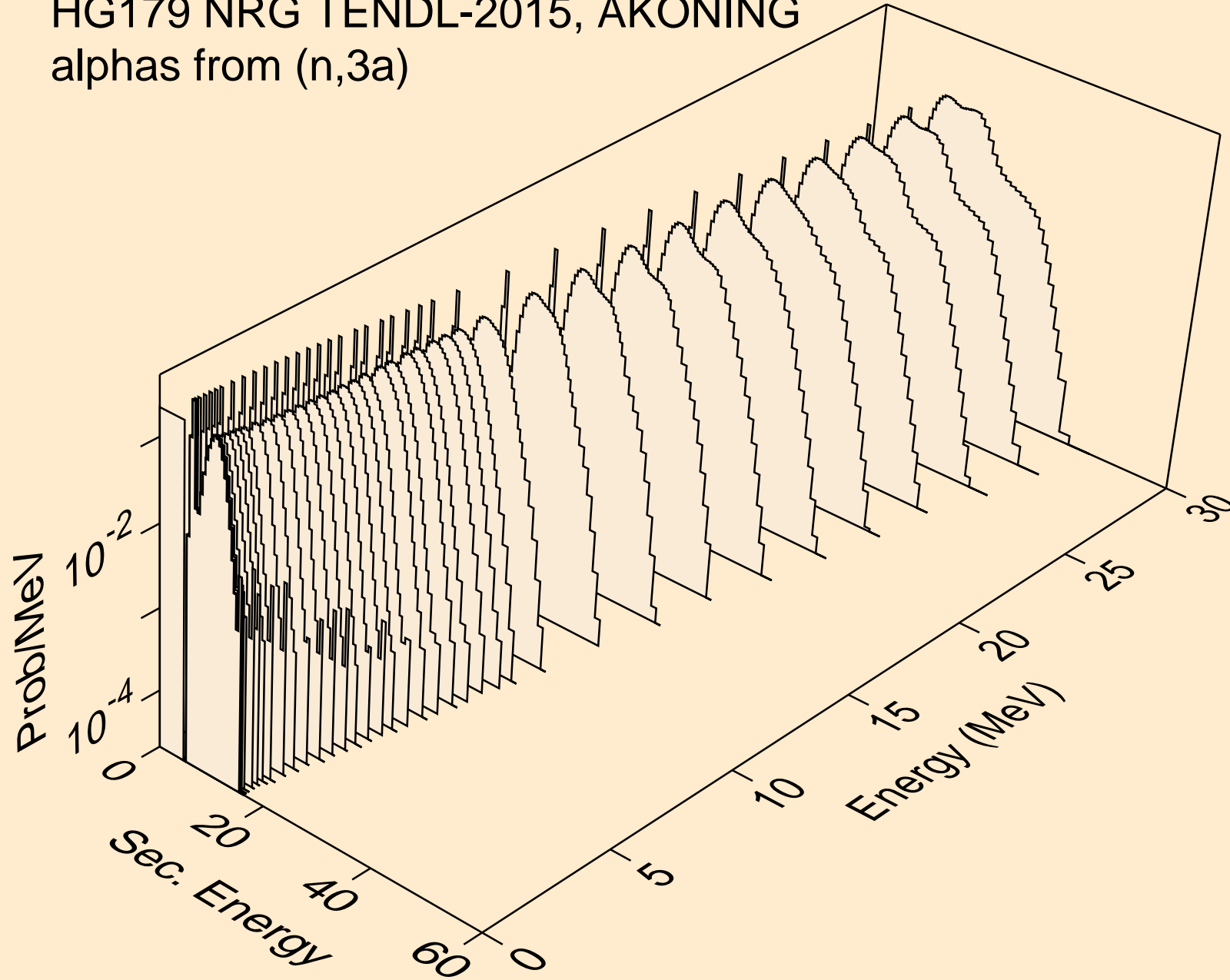




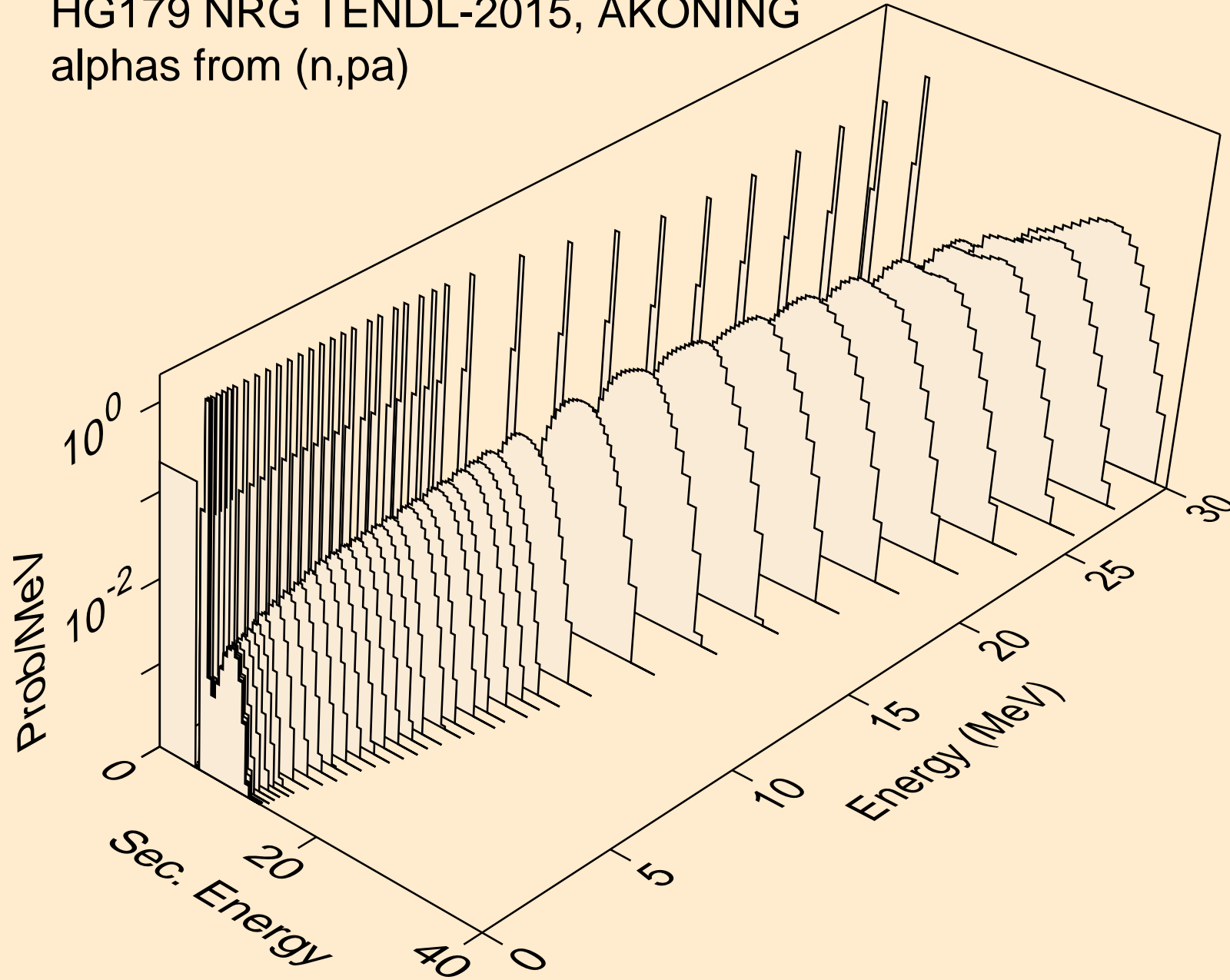
HG179 NRG TENDL-2015, AKONING  
alphas from (n,2a)



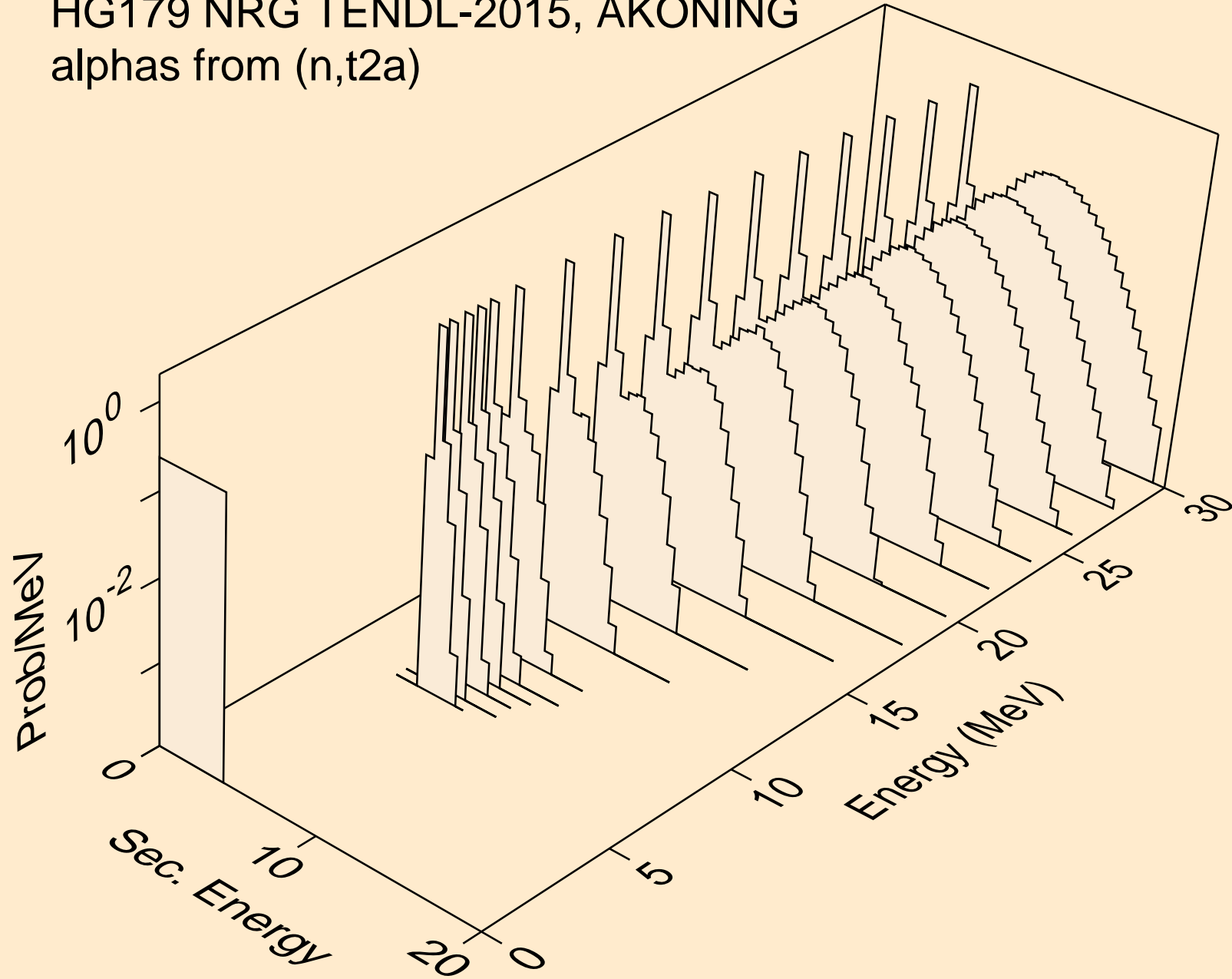
HG179 NRG TENDL-2015, AKONING  
alphas from (n,3a)



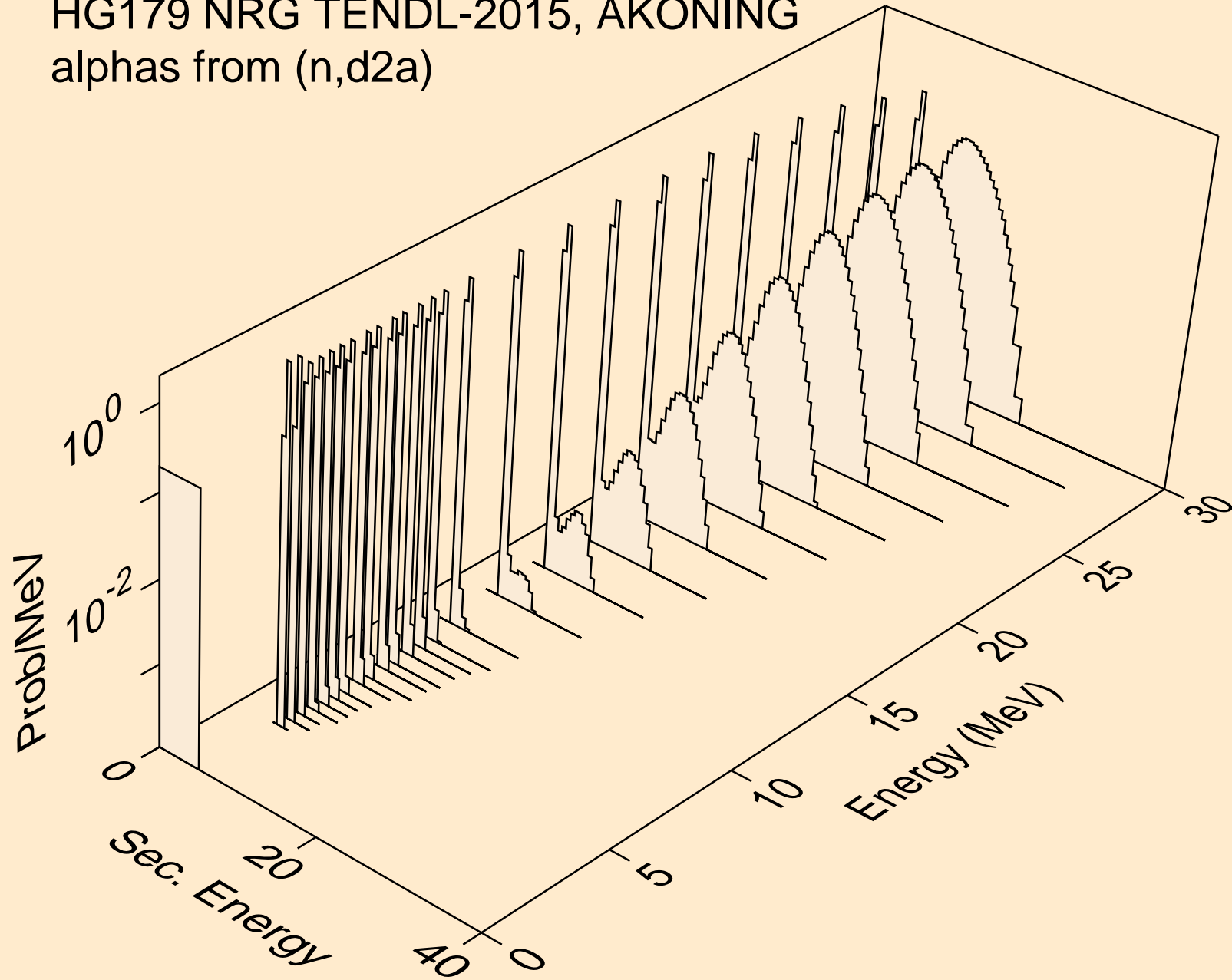
HG179 NRG TENDL-2015, AKONING  
alphas from (n,pa)



HG179 NRG TENDL-2015, AKONING  
alphas from (n,t2a)



HG179 NRG TENDL-2015, AKONING  
alphas from (n,d2a)



HG179 NRG TENDL-2015, AKONING  
alphas from (n,da)

