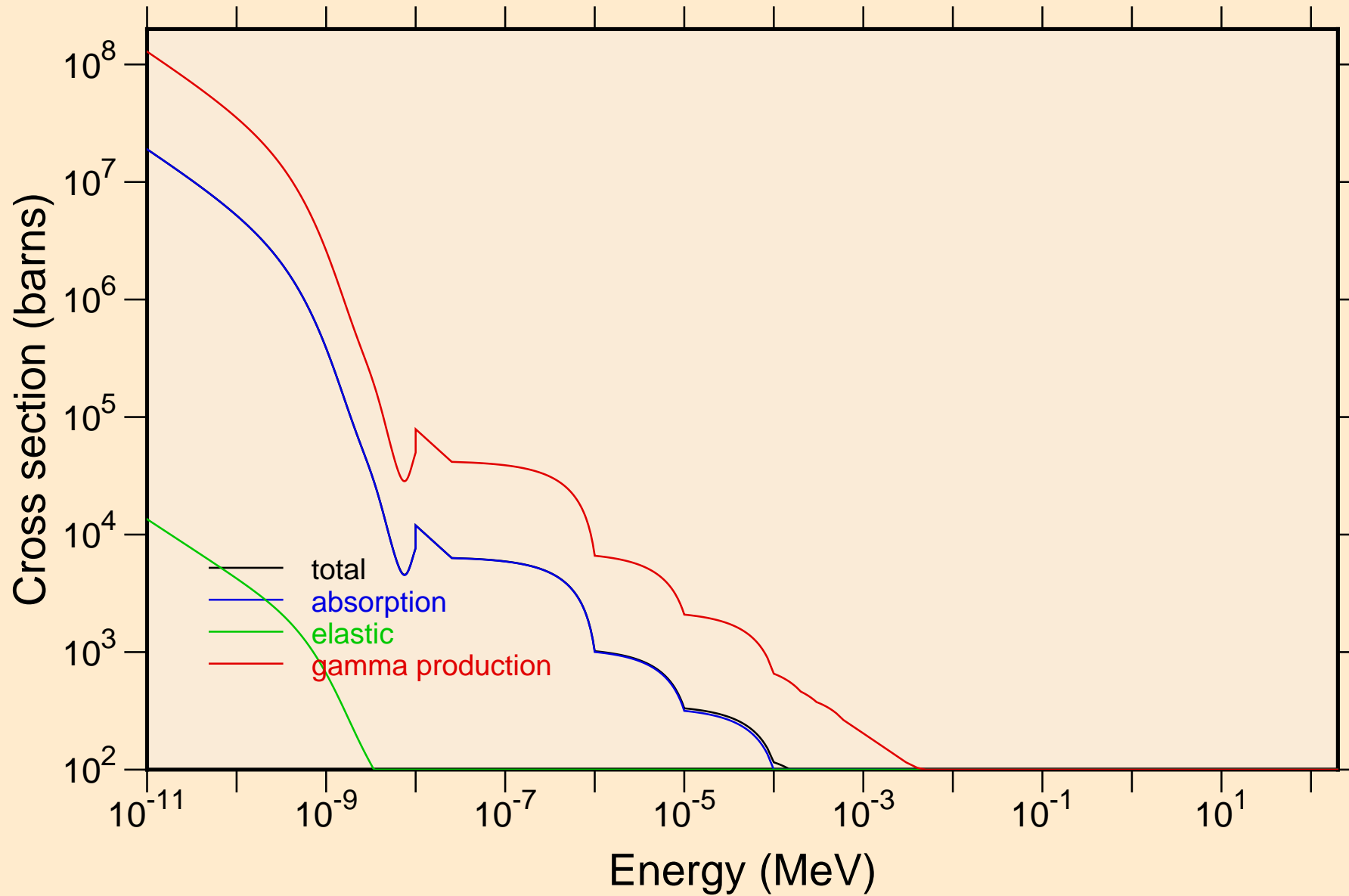


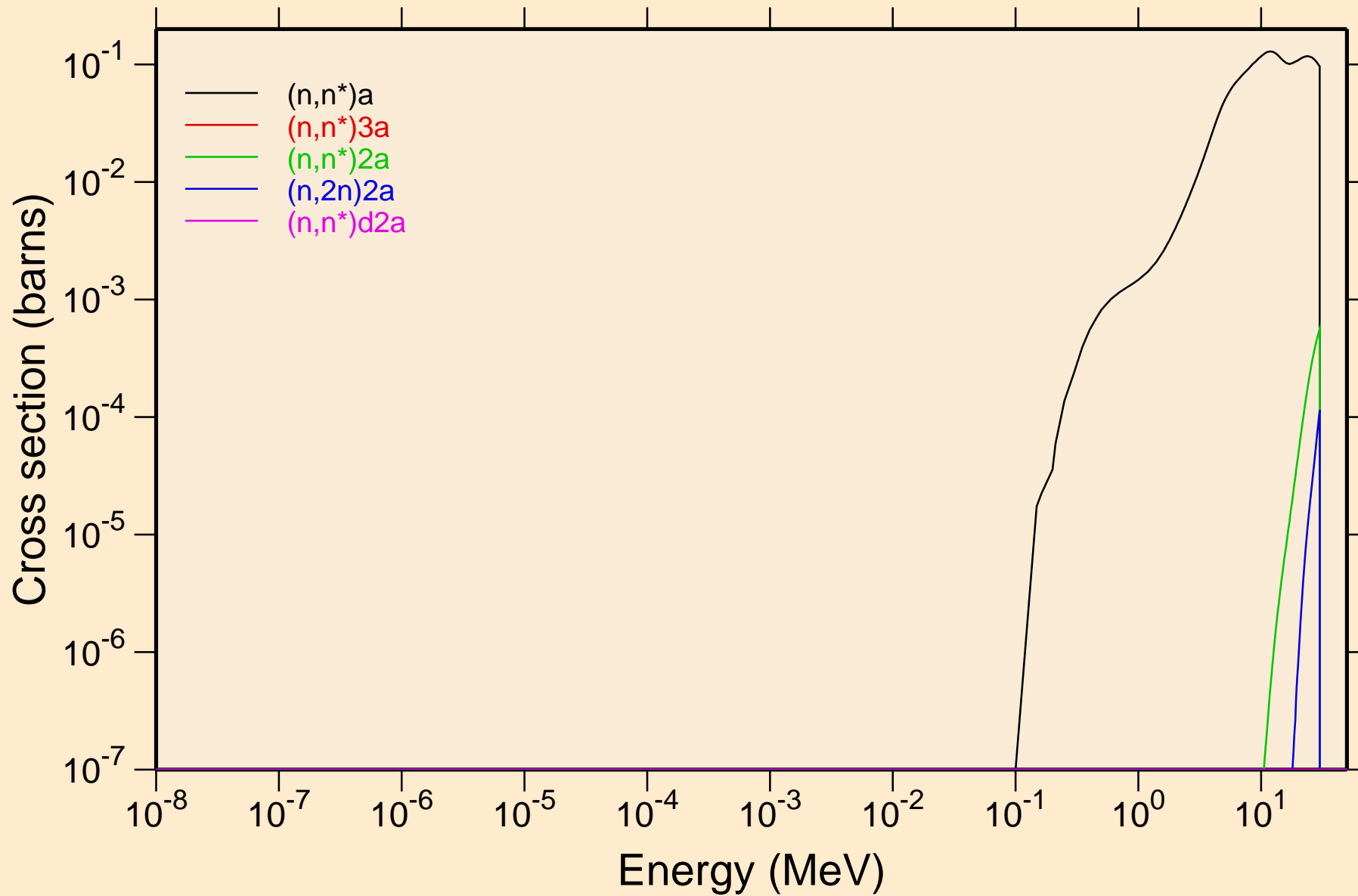
# IR176 NRG TENDL-2015, AKONING

## Principal cross sections



# IR176 NRG TENDL-2015, AKONING

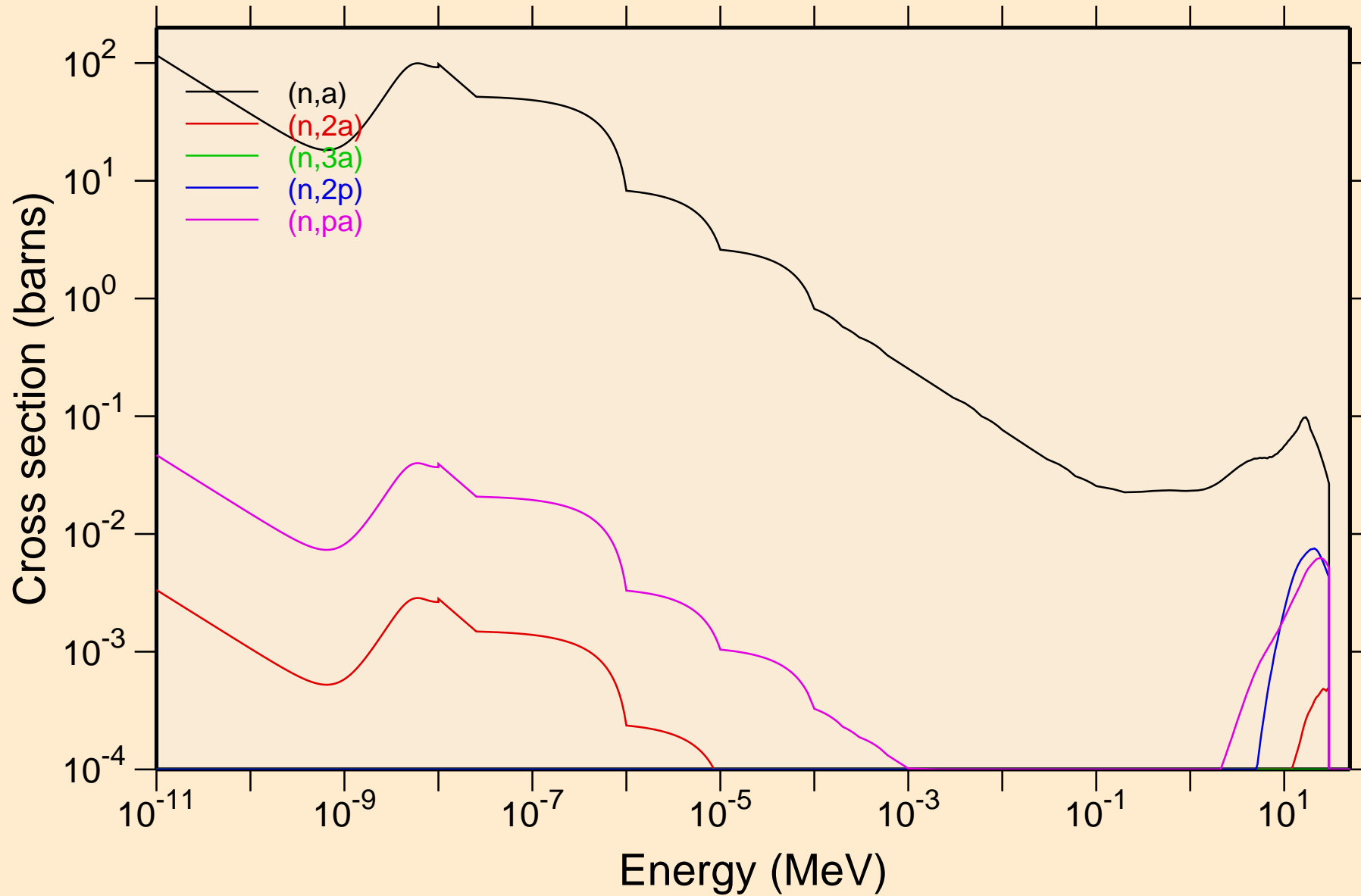
## Non-threshold reactions





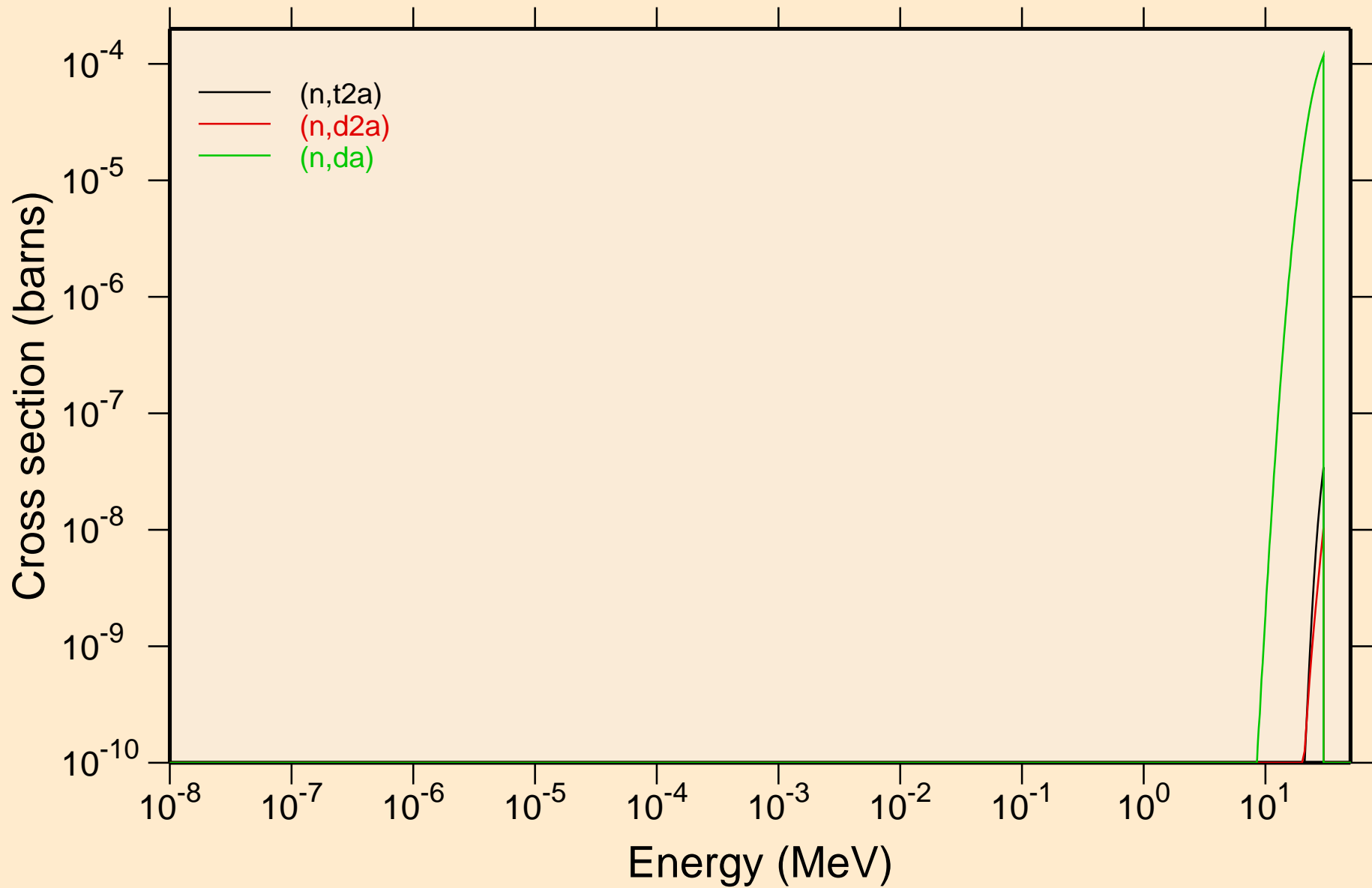
# IR176 NRG TENDL-2015, AKONING

## Non-threshold reactions



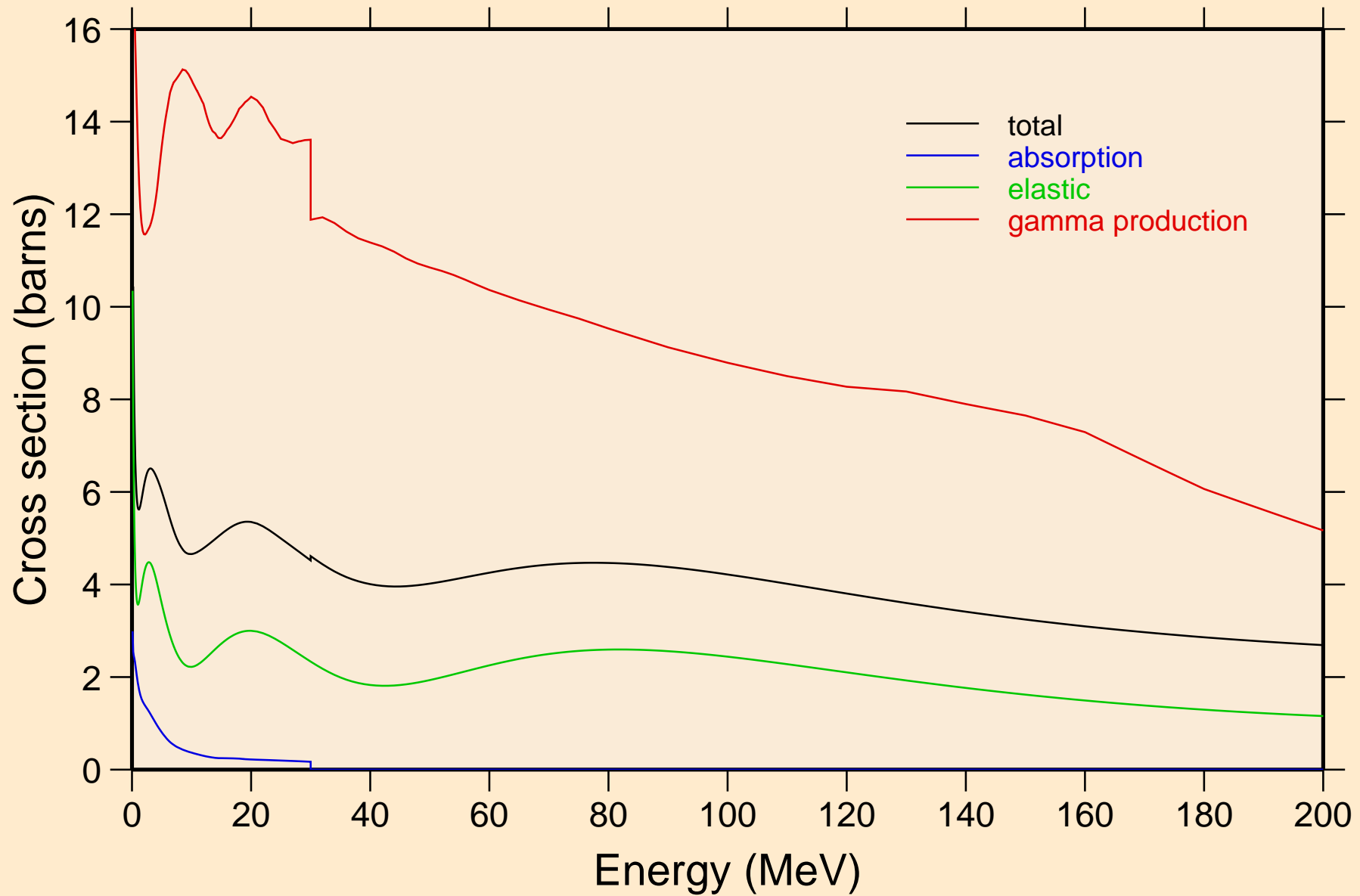
# IR176 NRG TENDL-2015, AKONING

## Non-threshold reactions



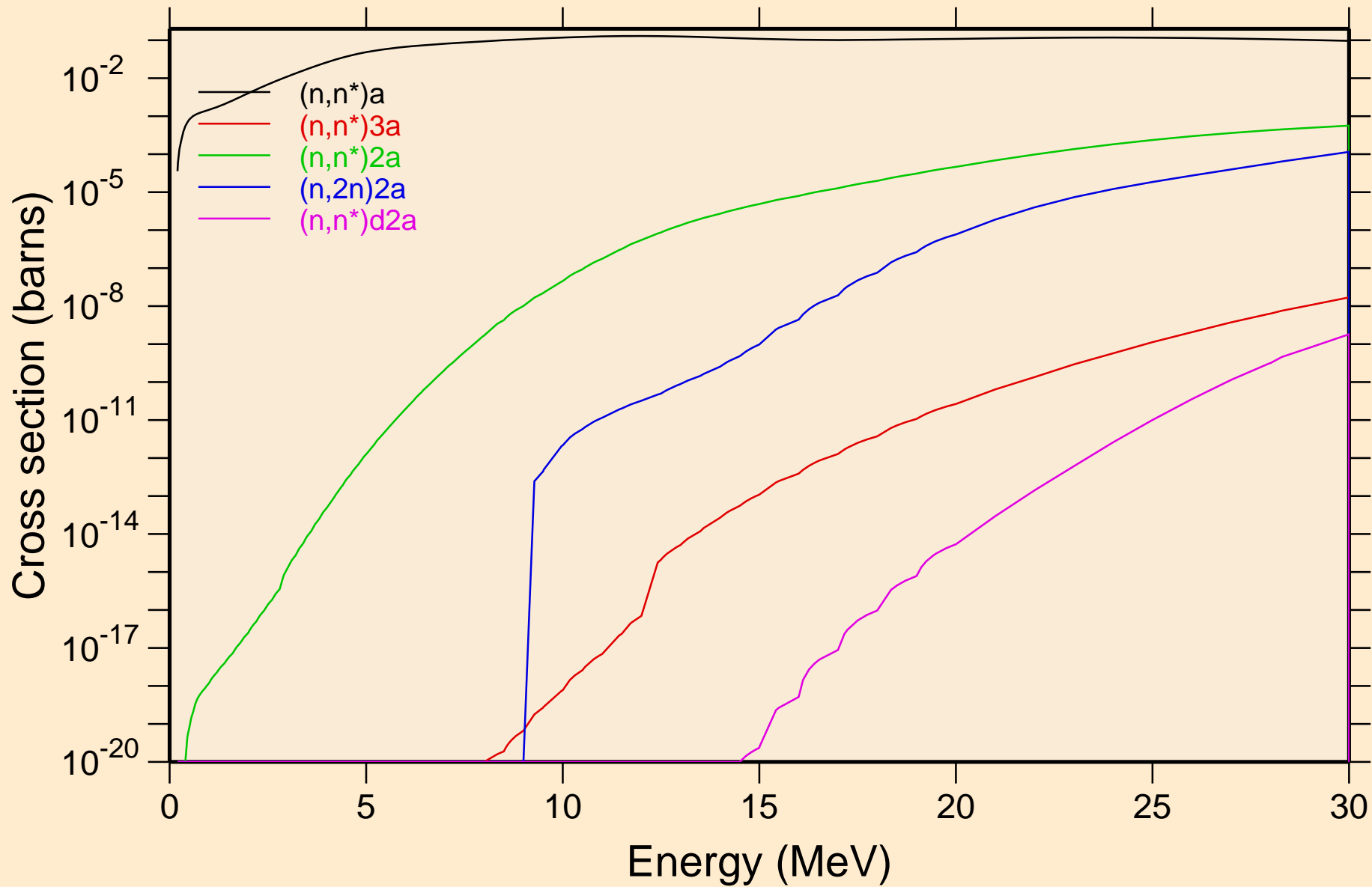
# IR176 NRG TENDL-2015, AKONING

## Principal cross sections



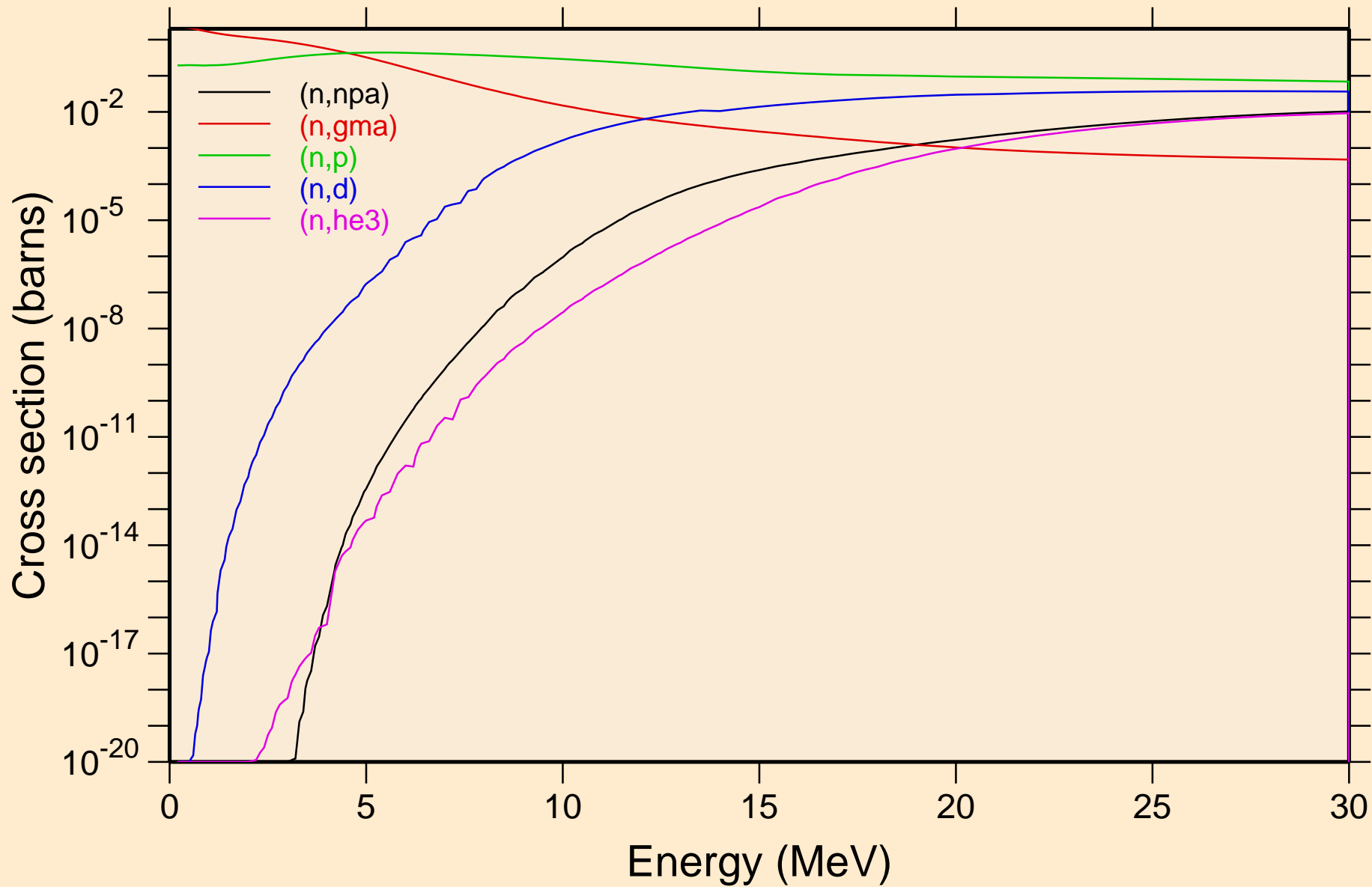
# IR176 NRG TENDL-2015, AKONING

## Non-threshold reactions



# IR176 NRG TENDL-2015, AKONING

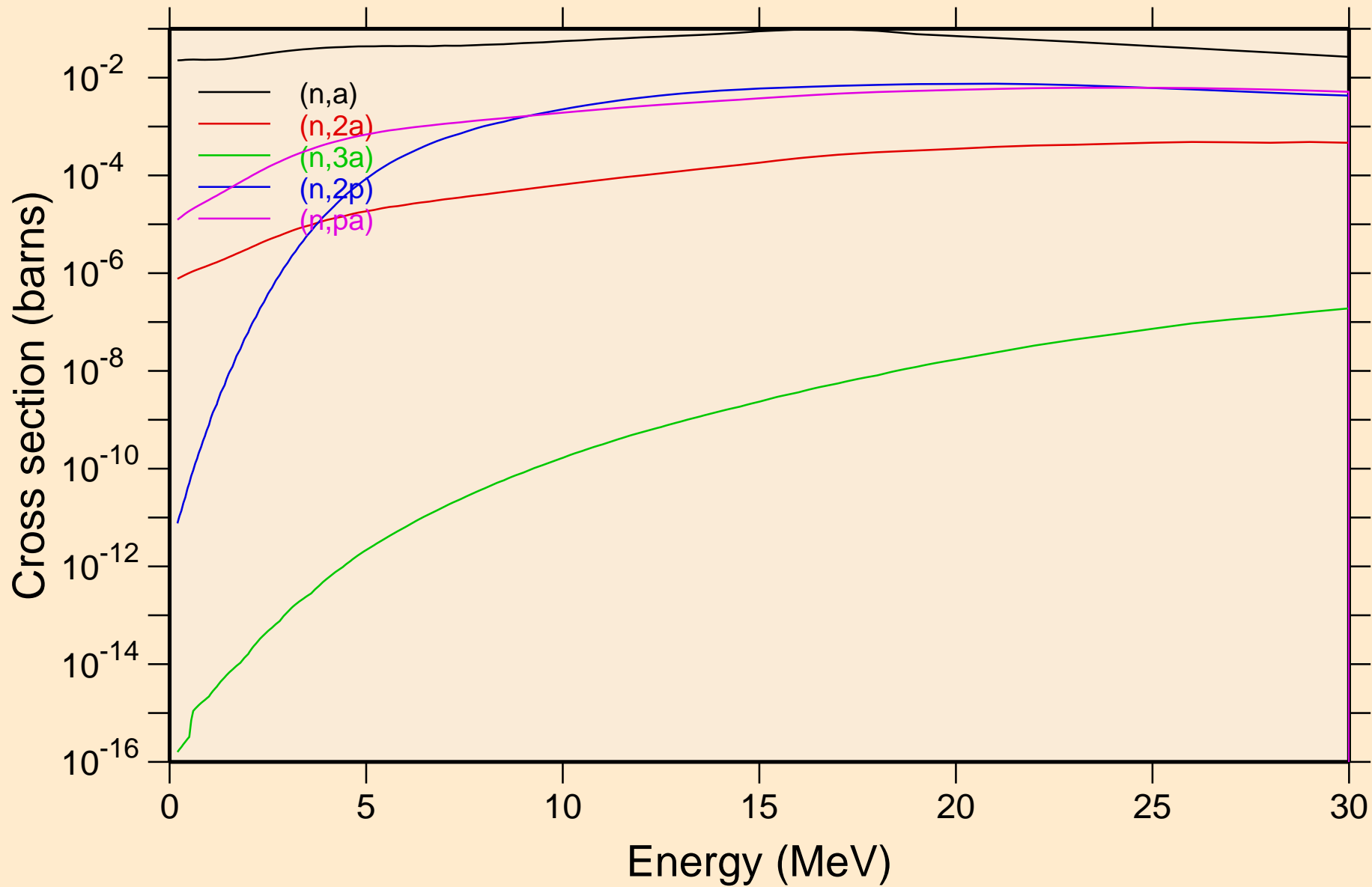
## Non-threshold reactions





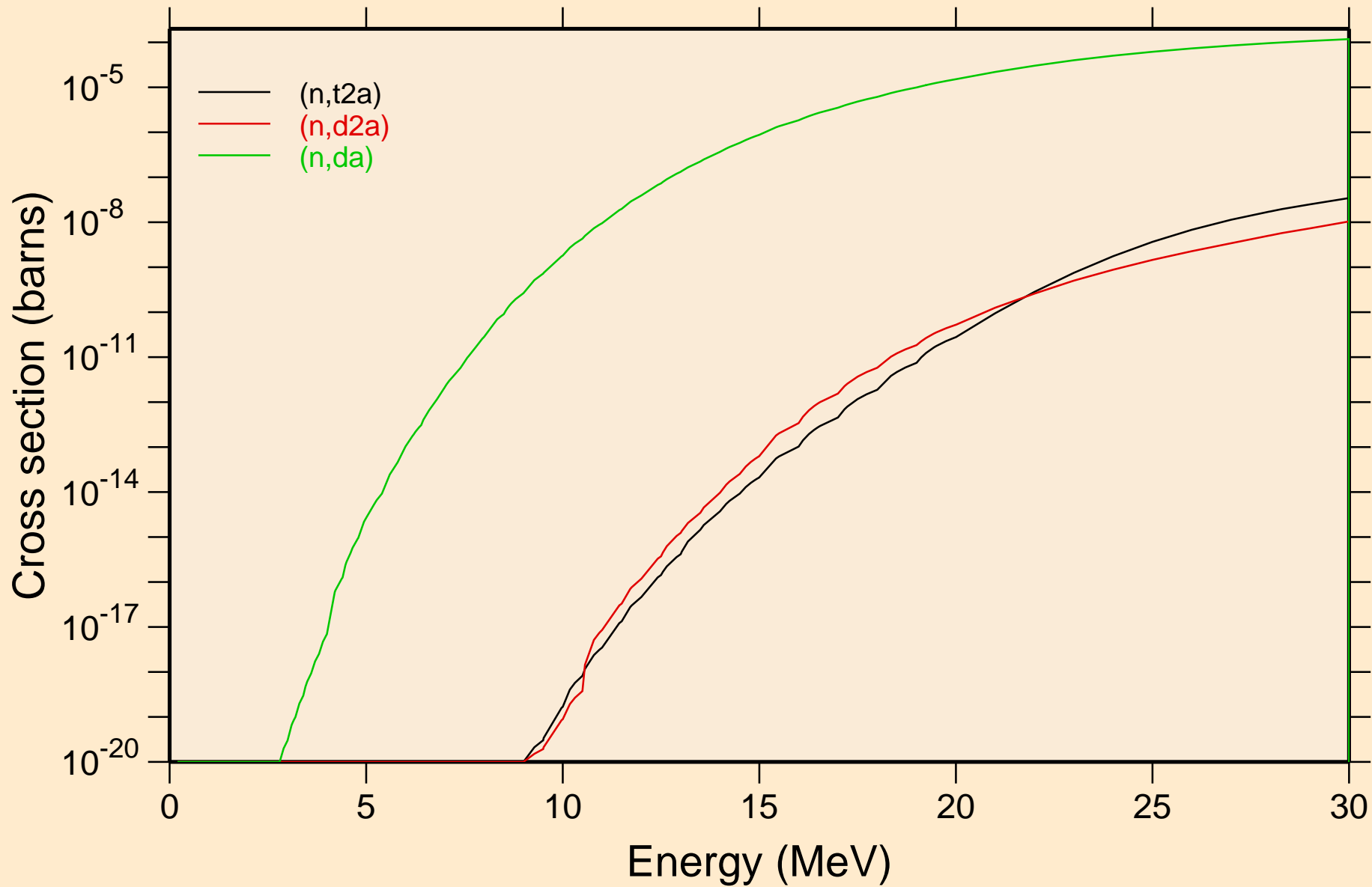
# IR176 NRG TENDL-2015, AKONING

## Non-threshold reactions

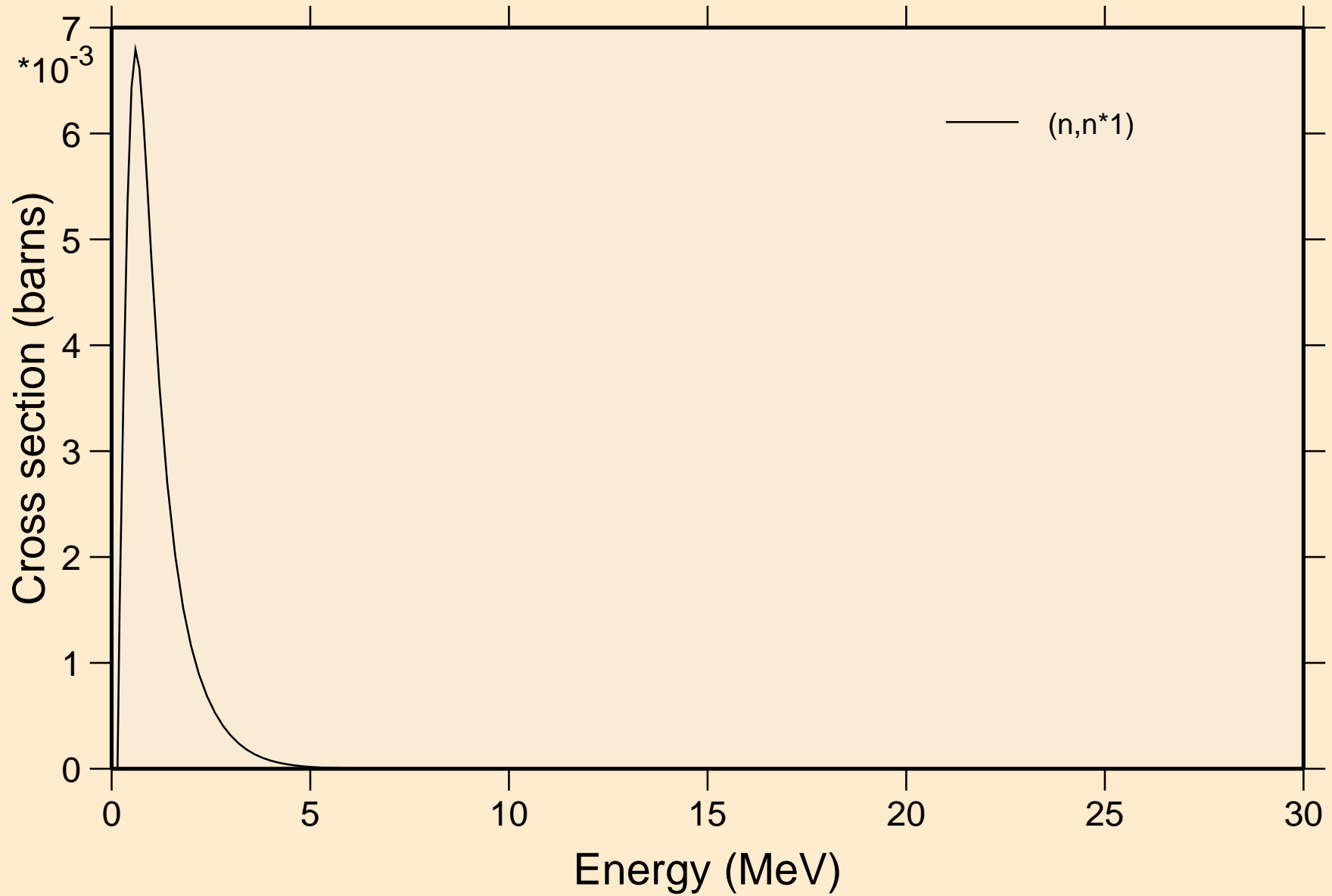


# IR176 NRG TENDL-2015, AKONING

## Non-threshold reactions

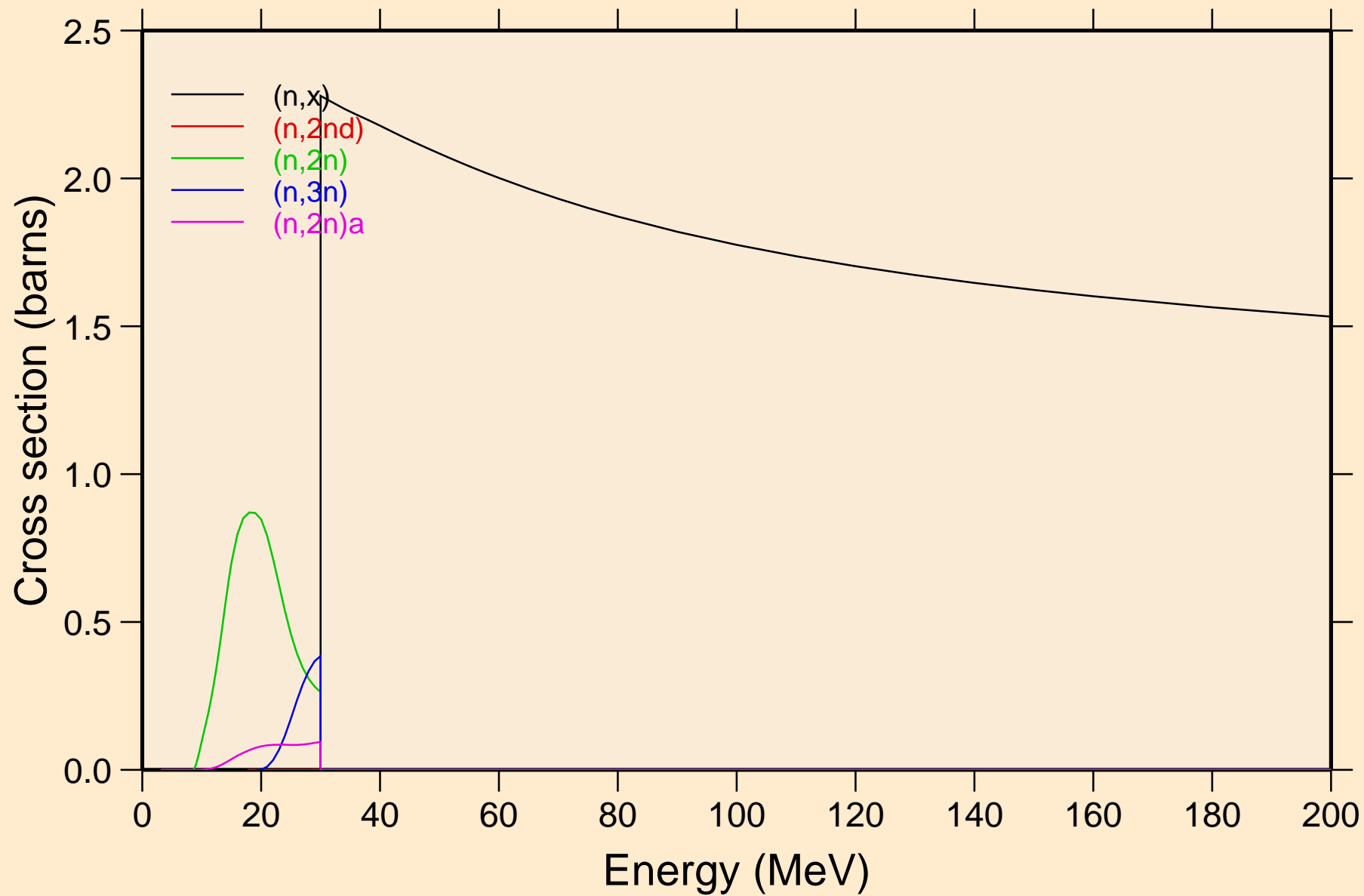


IR176 NRG TENDL-2015, AKONING  
Inelastic levels



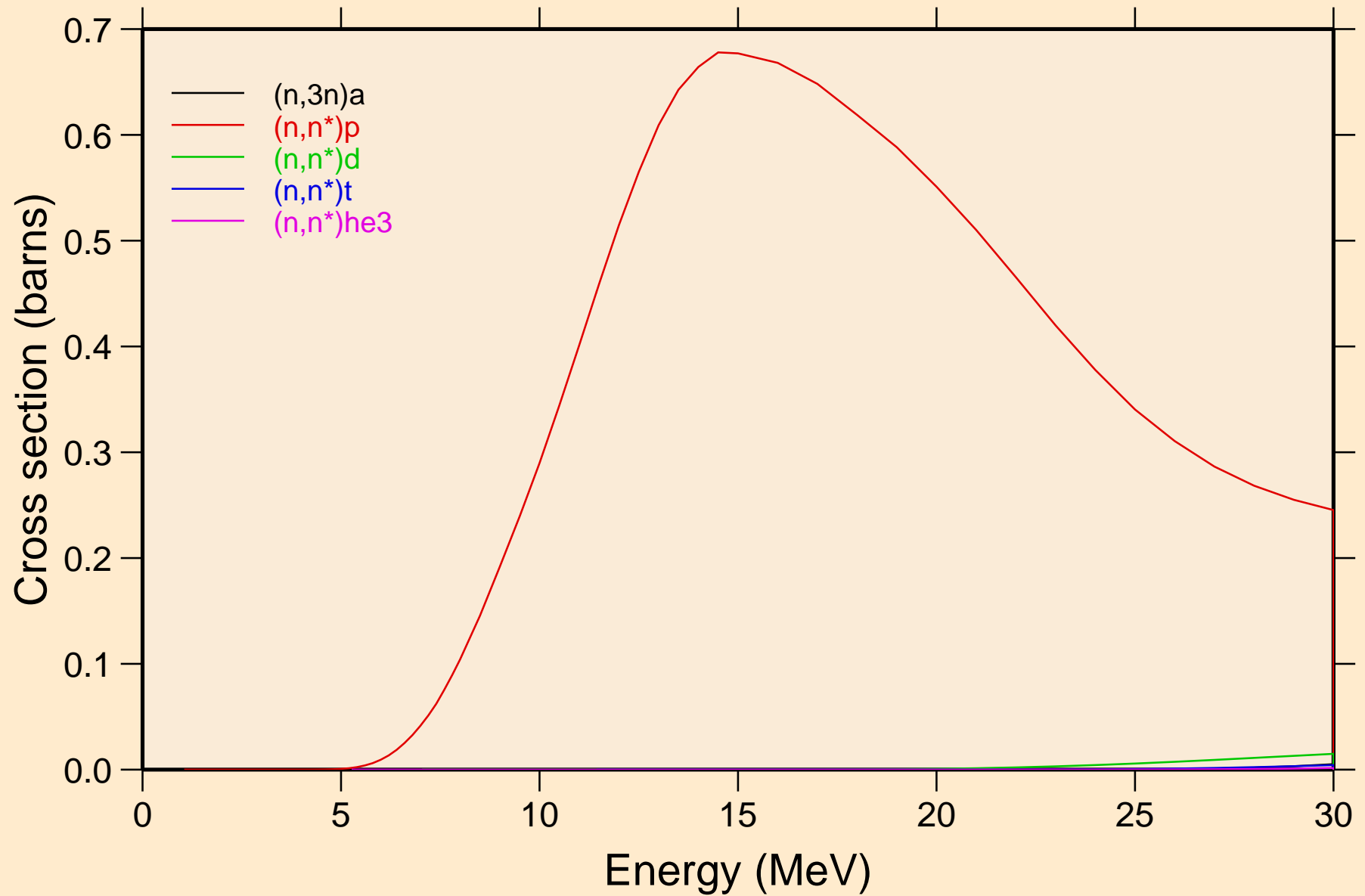
# IR176 NRG TENDL-2015, AKONING

## Threshold reactions



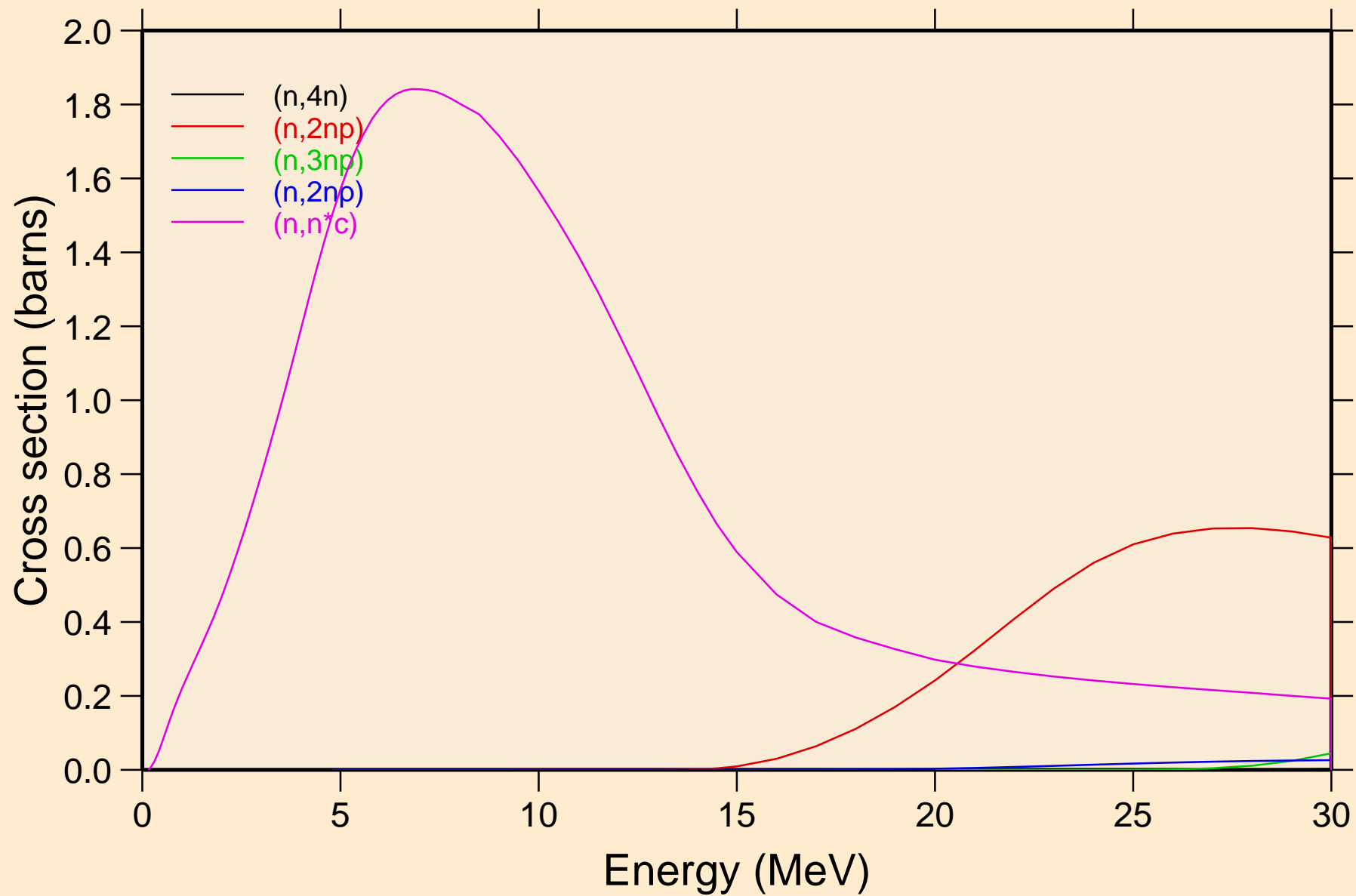
# IR176 NRG TENDL-2015, AKONING

## Threshold reactions



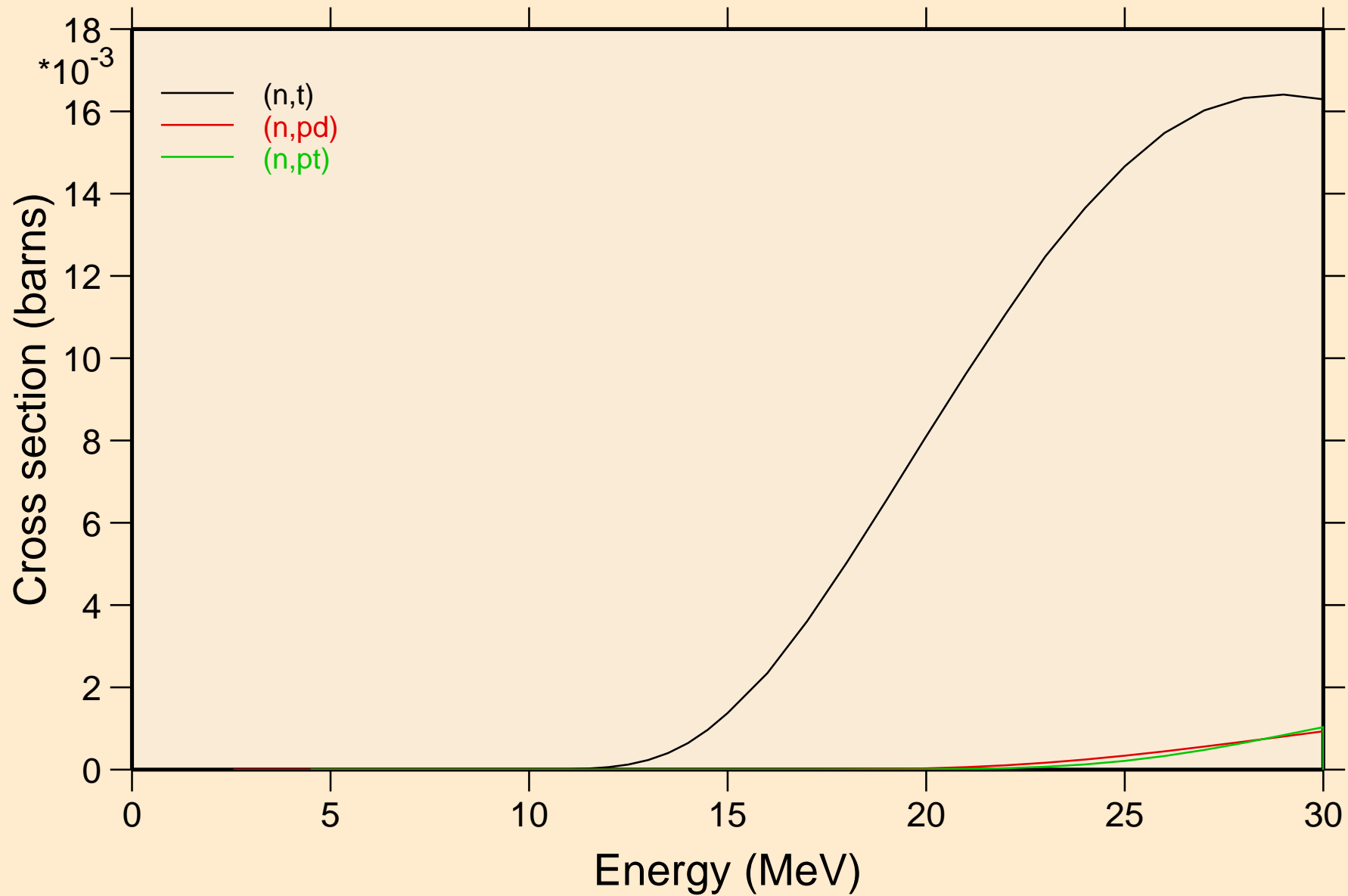
# IR176 NRG TENDL-2015, AKONING

## Threshold reactions

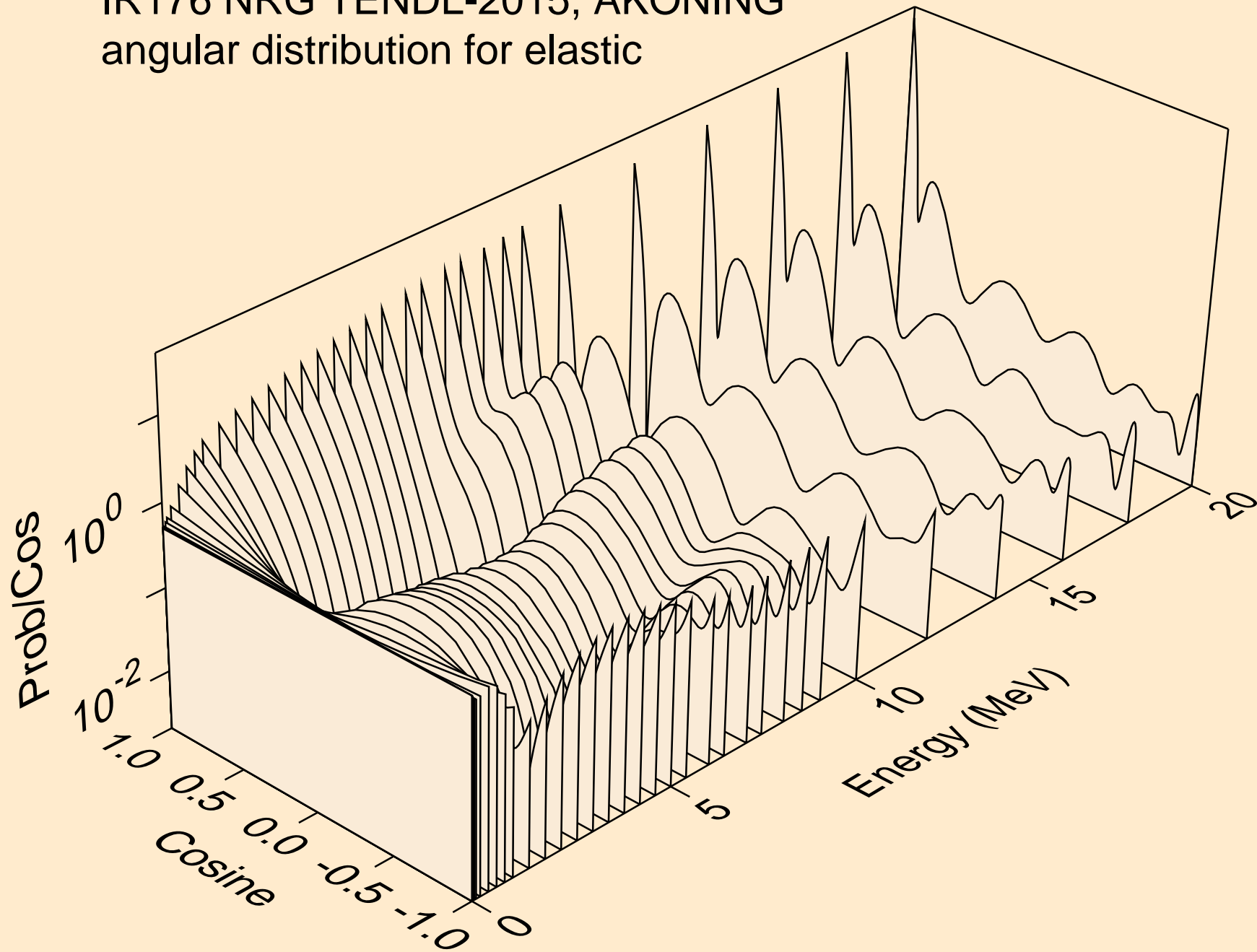


# IR176 NRG TENDL-2015, AKONING

## Threshold reactions

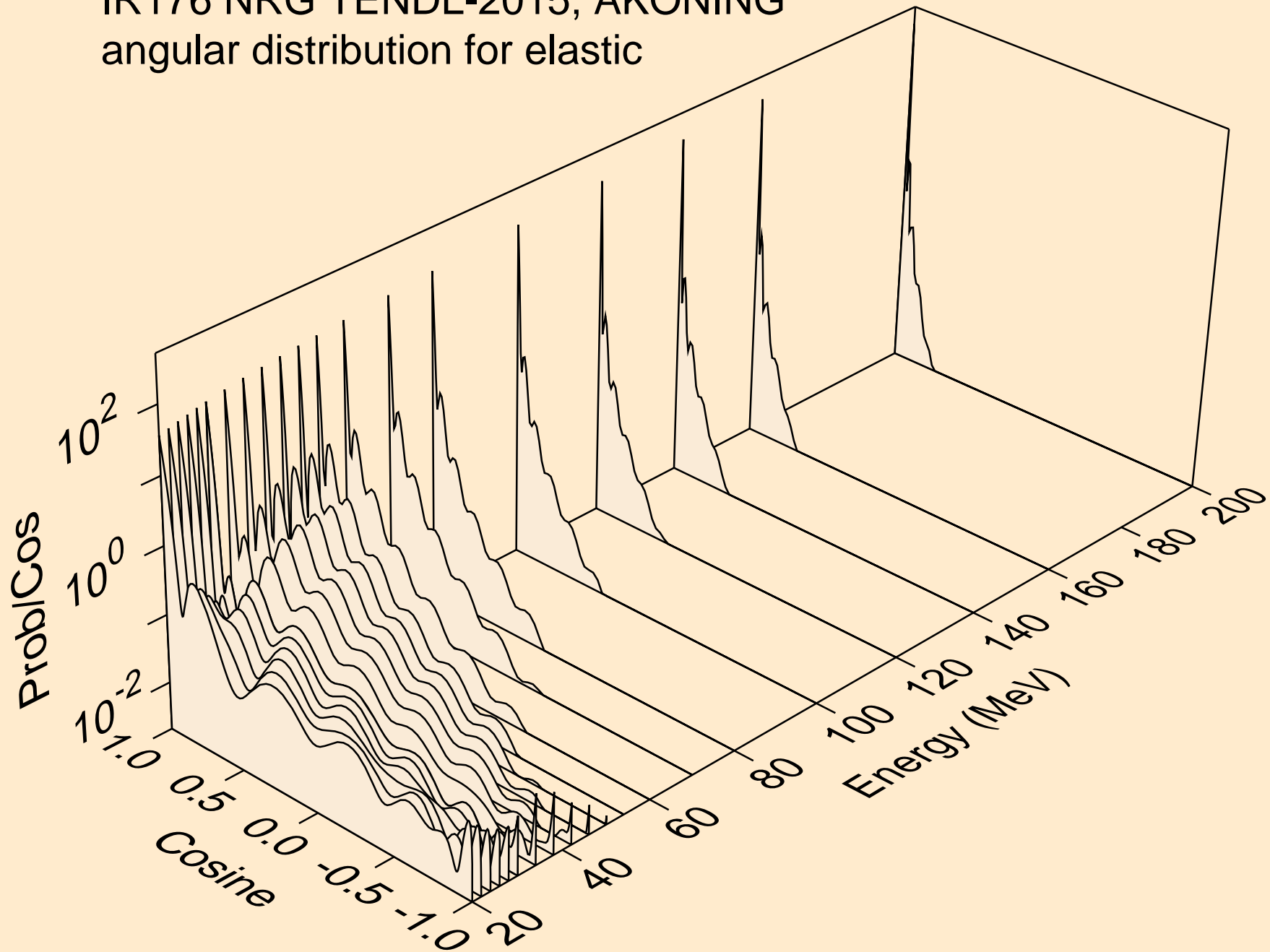


IR176 NRG TENDL-2015, AKONING  
angular distribution for elastic

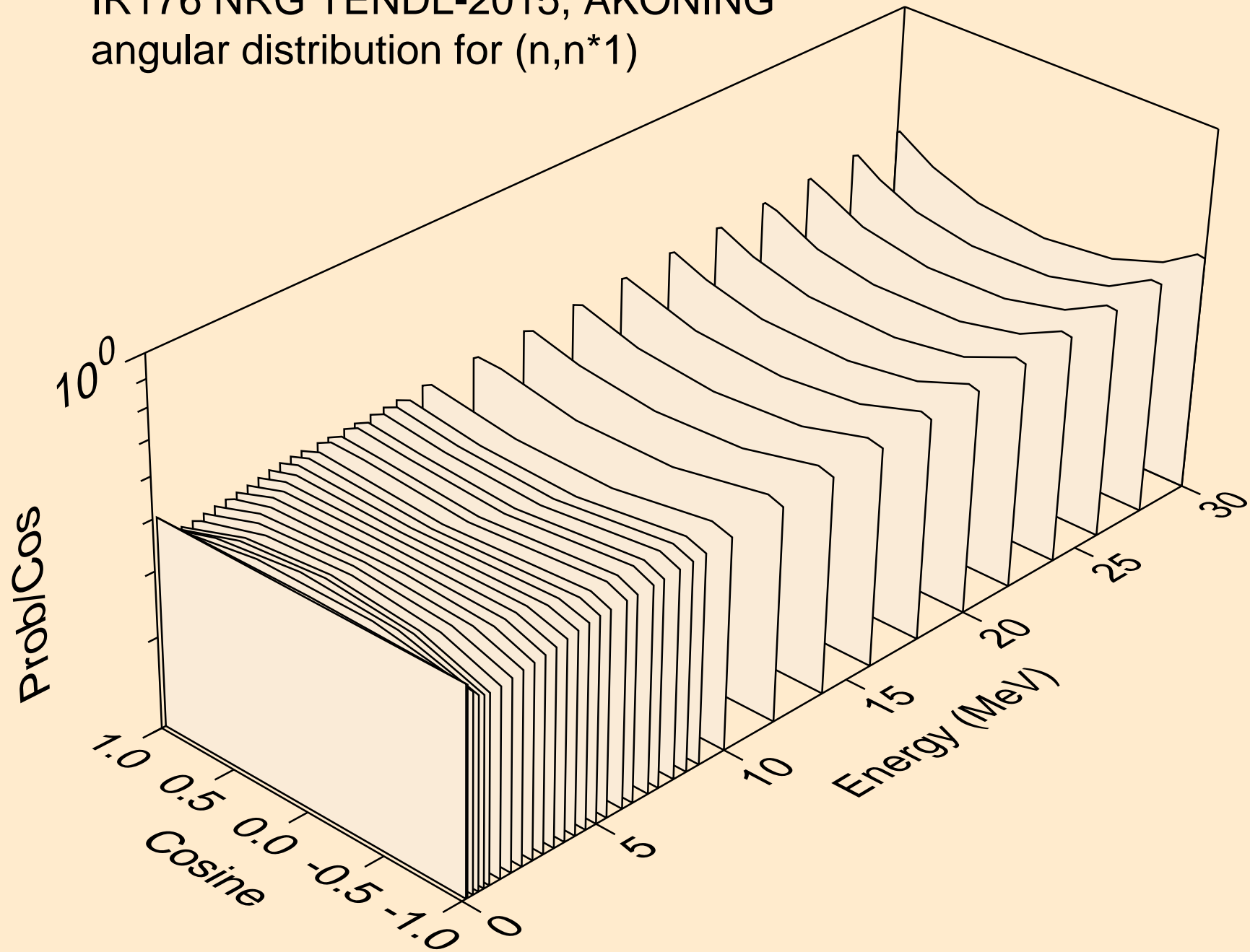




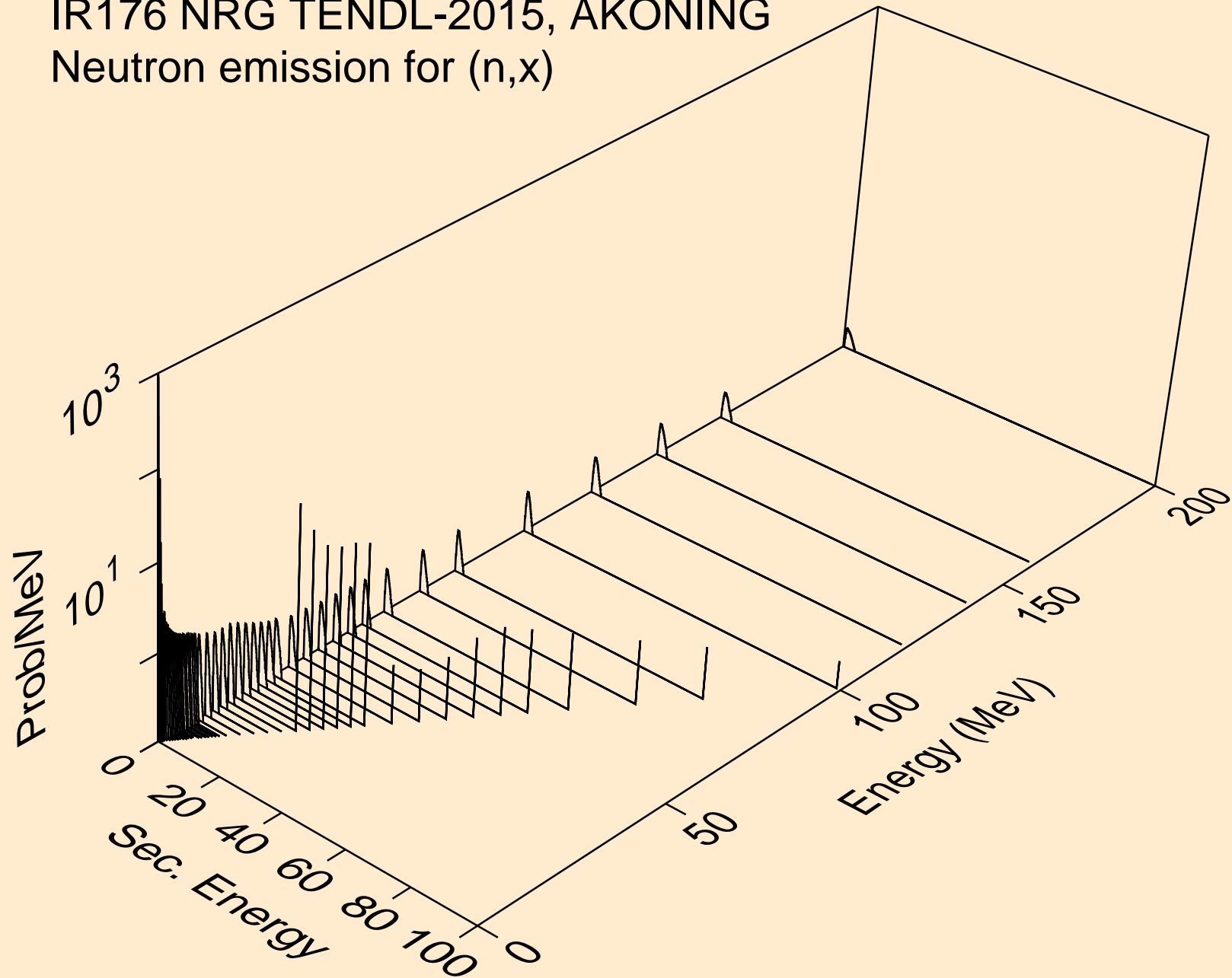
IR176 NRG TENDL-2015, AKONING  
angular distribution for elastic



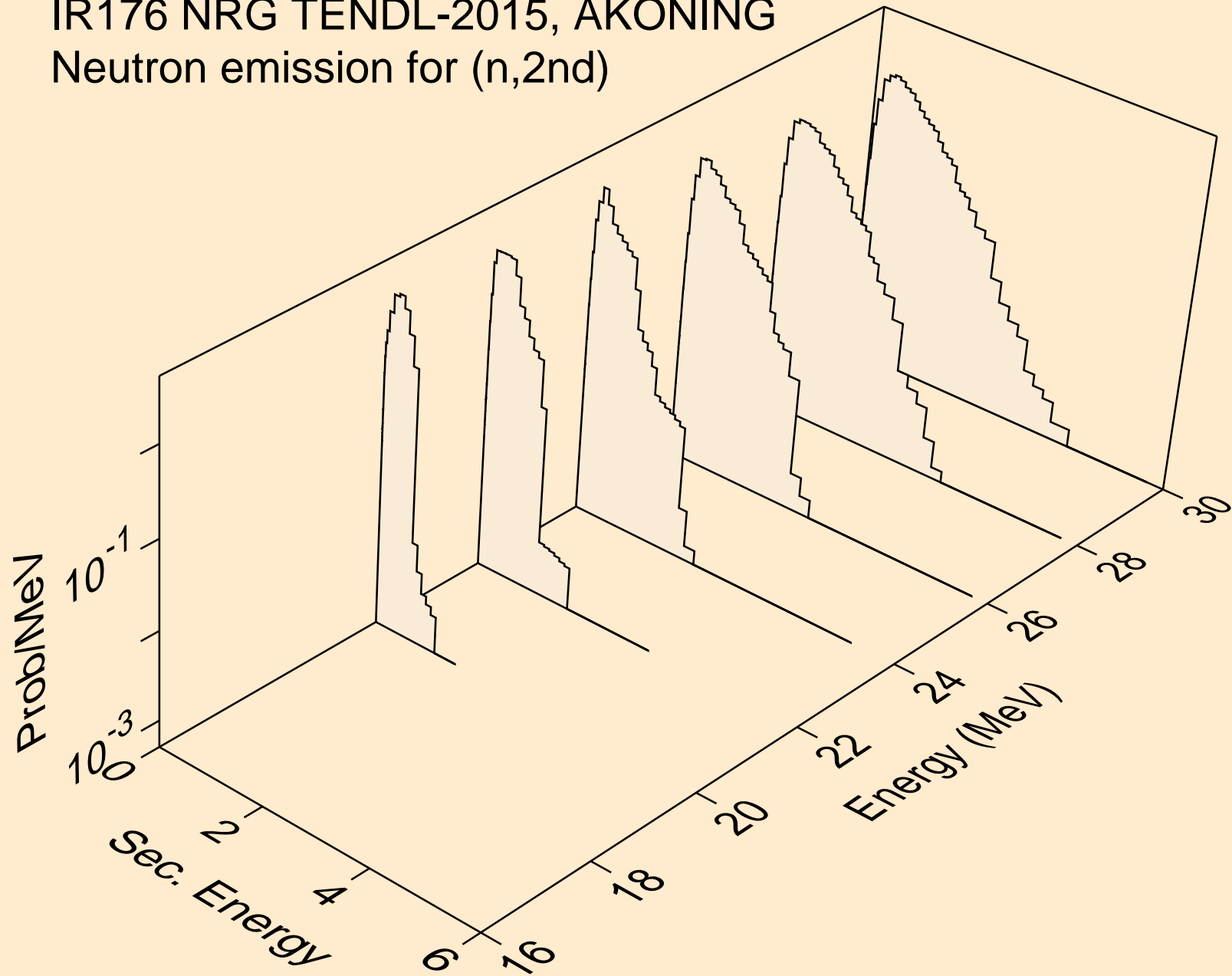
IR176 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



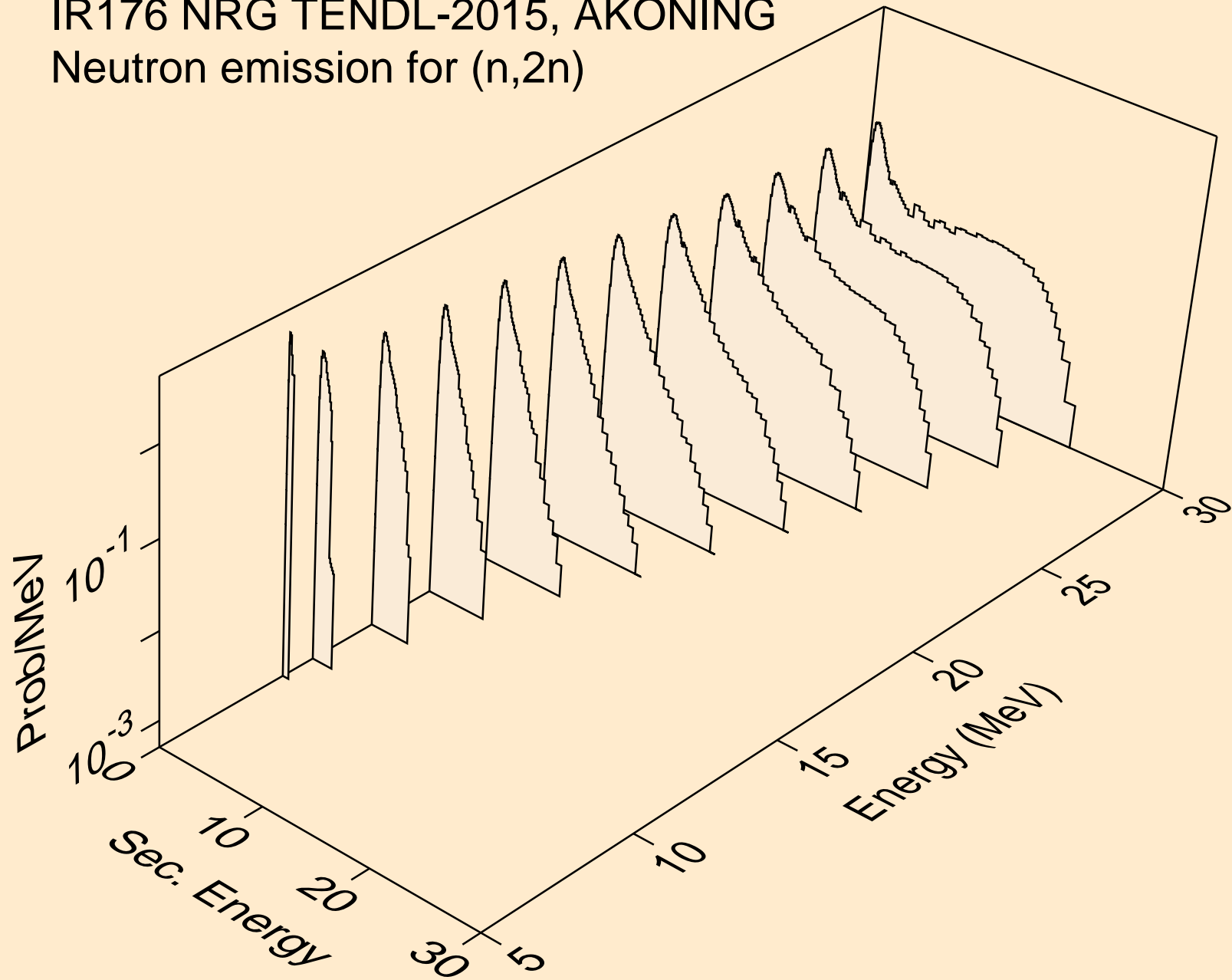
IR176 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



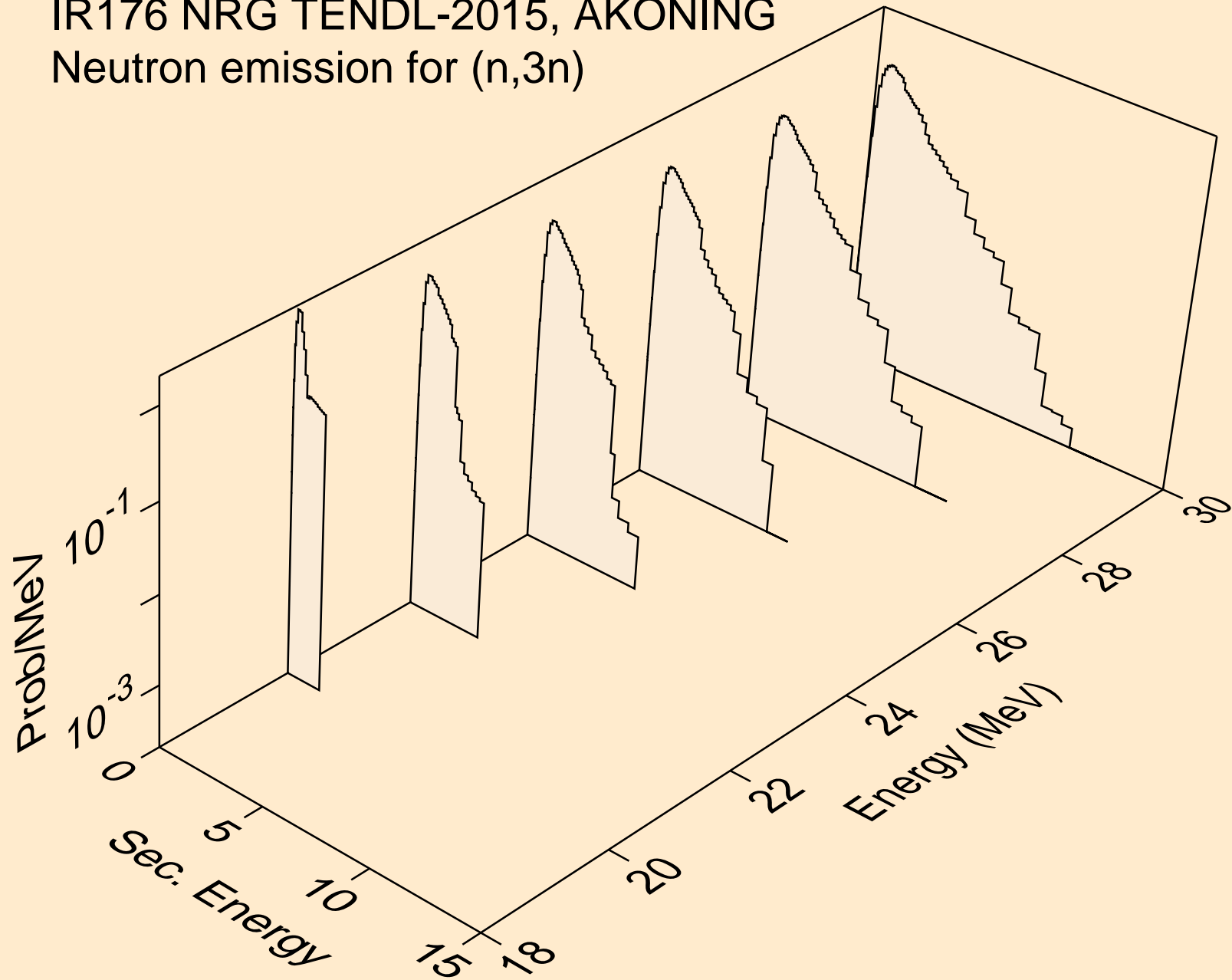
IR176 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



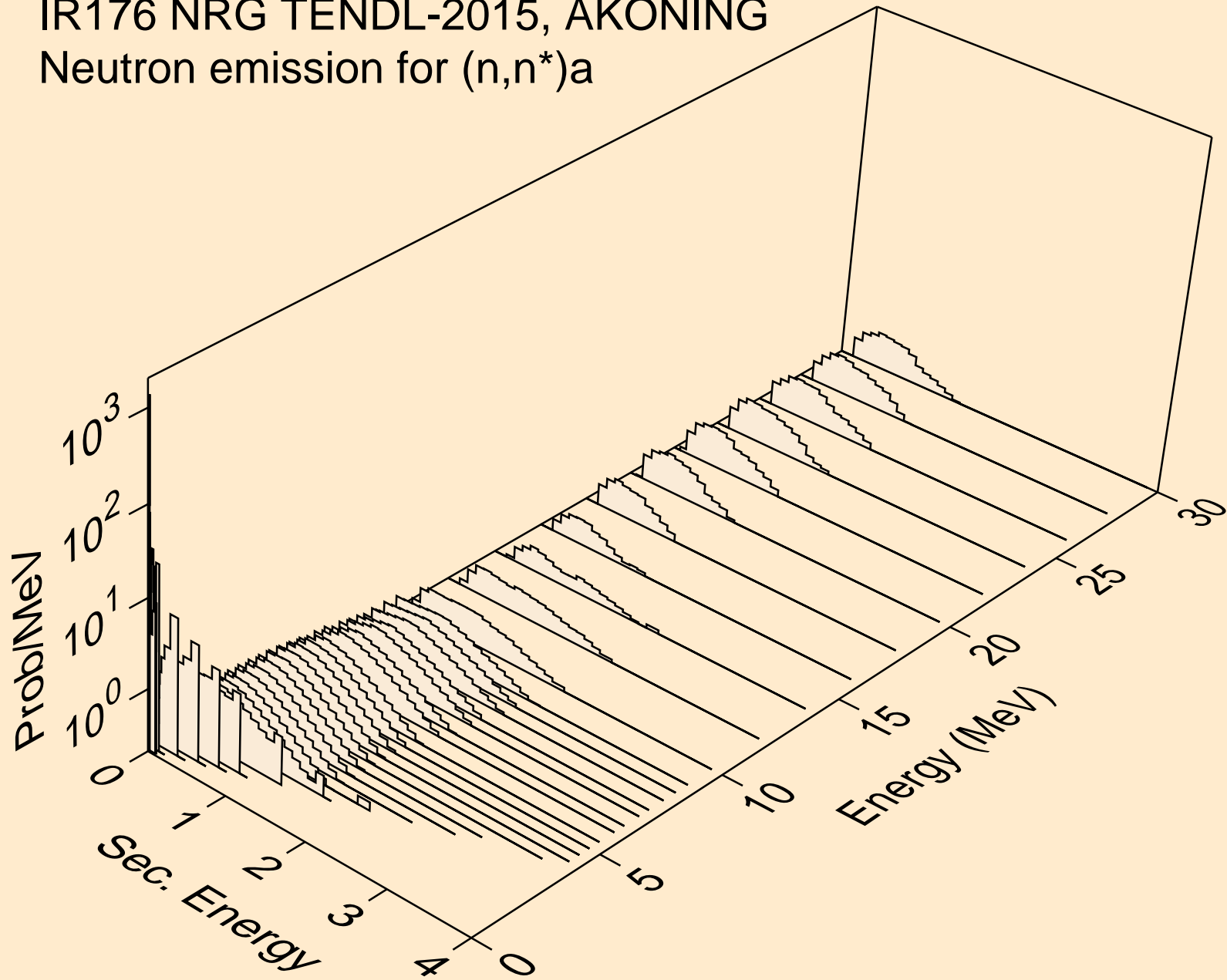
IR176 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



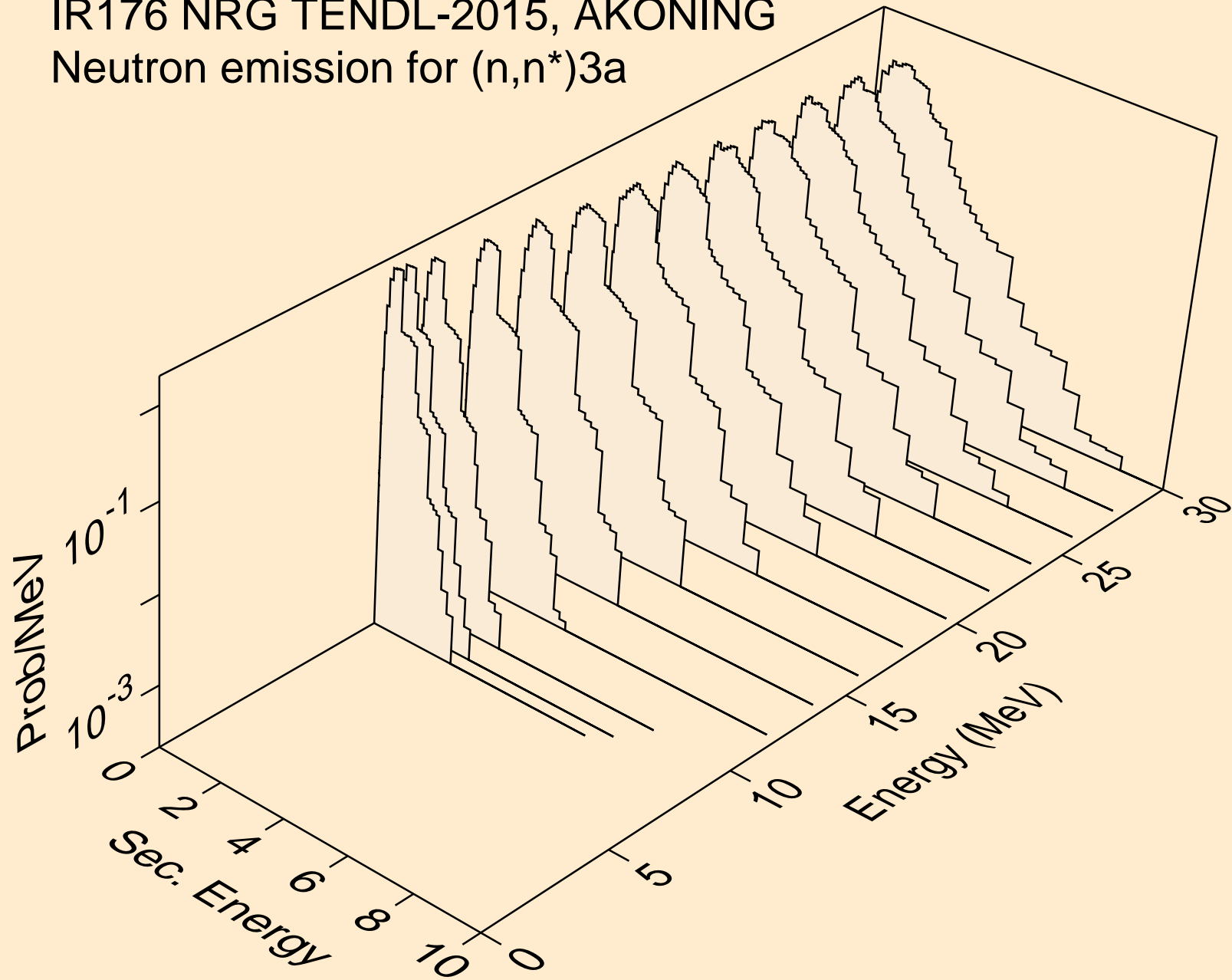
IR176 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



IR176 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a

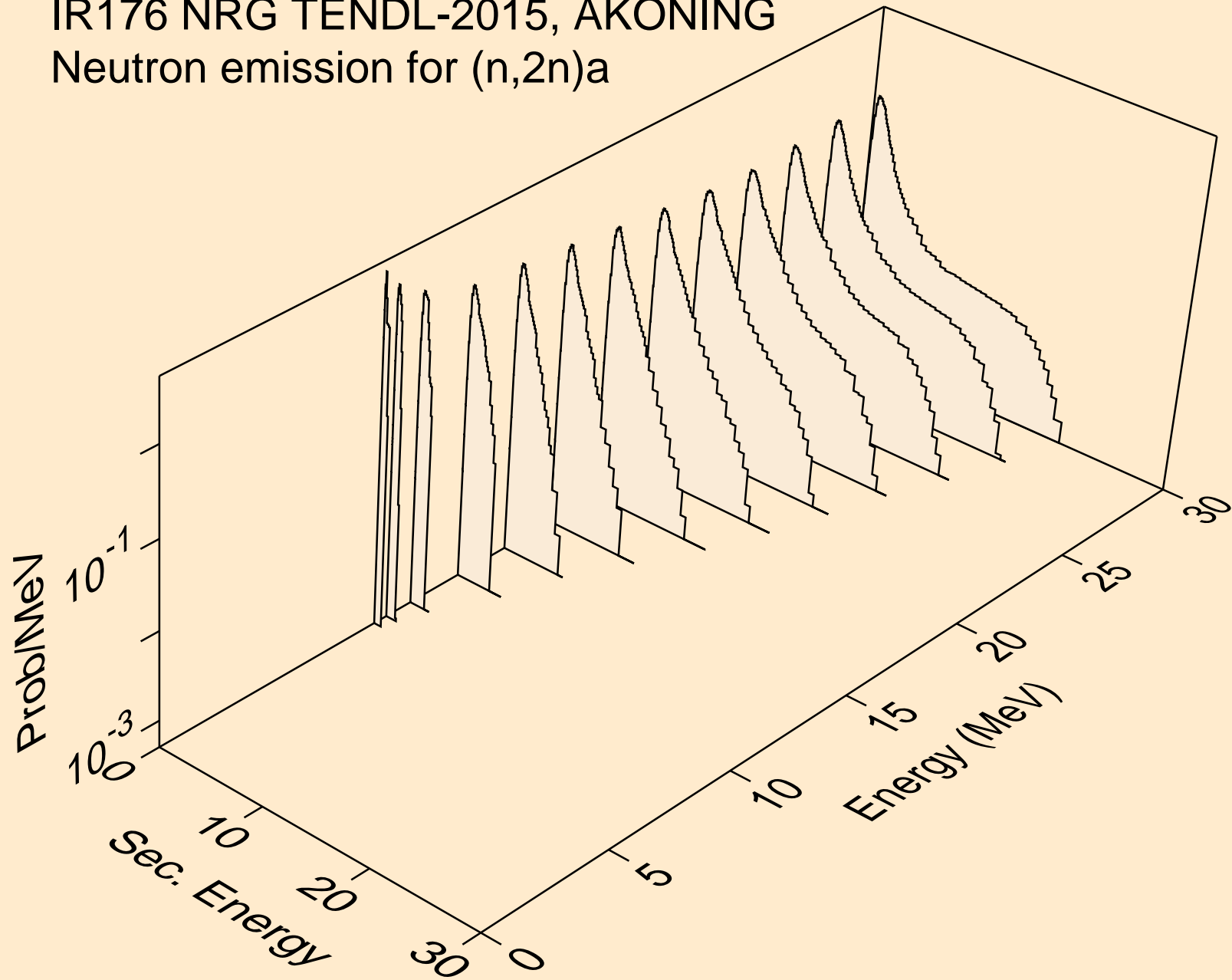


IR176 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)3a

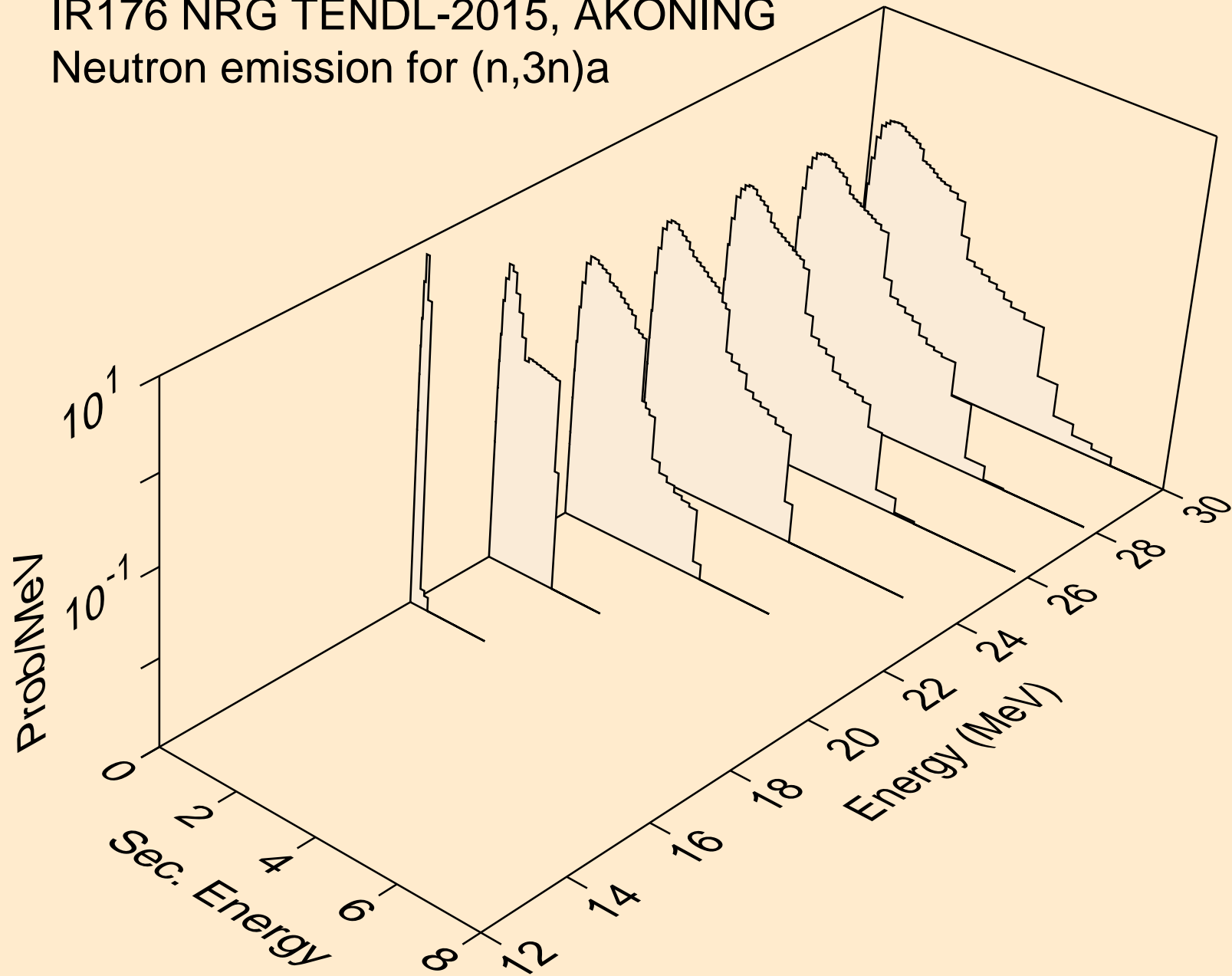




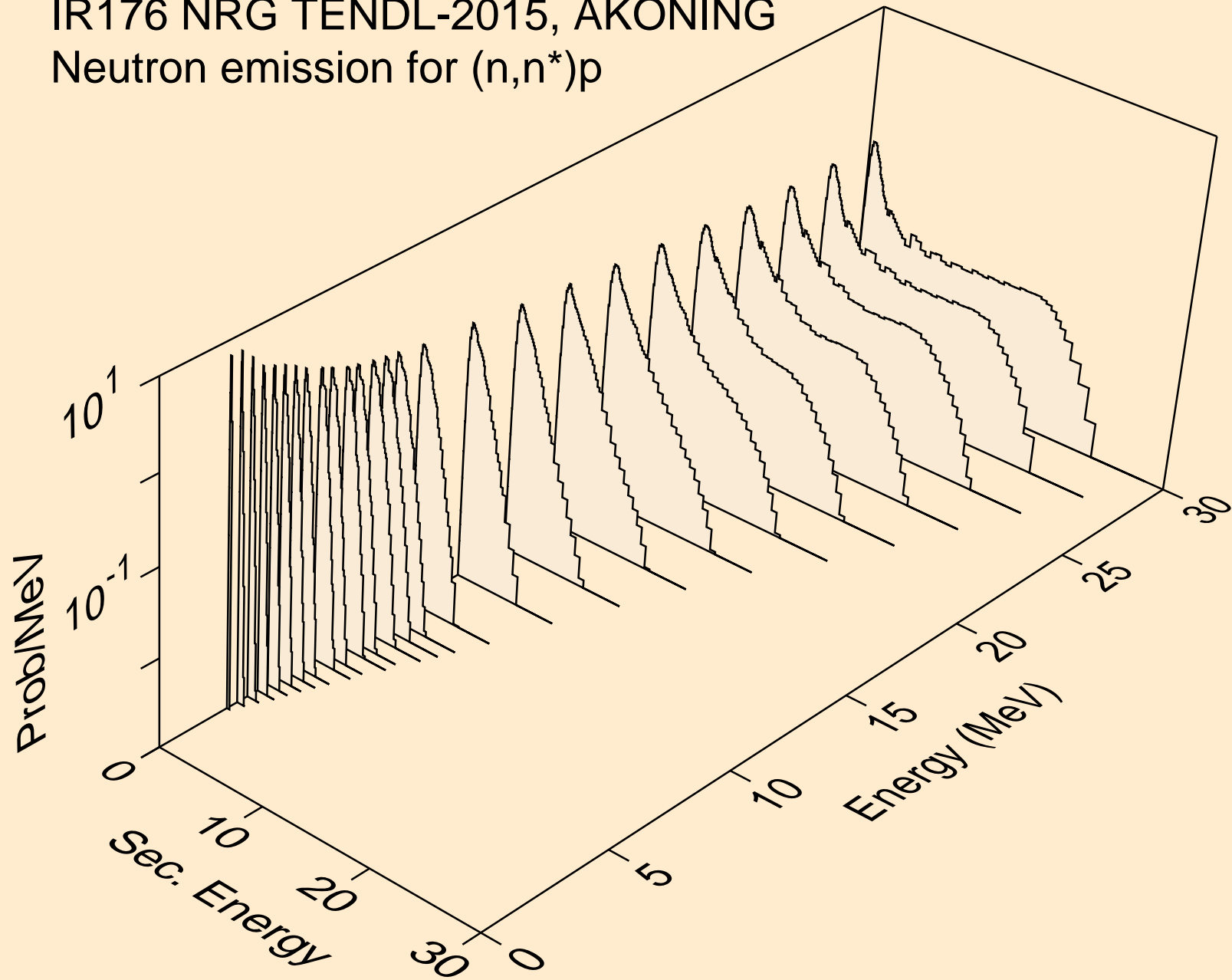
IR176 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



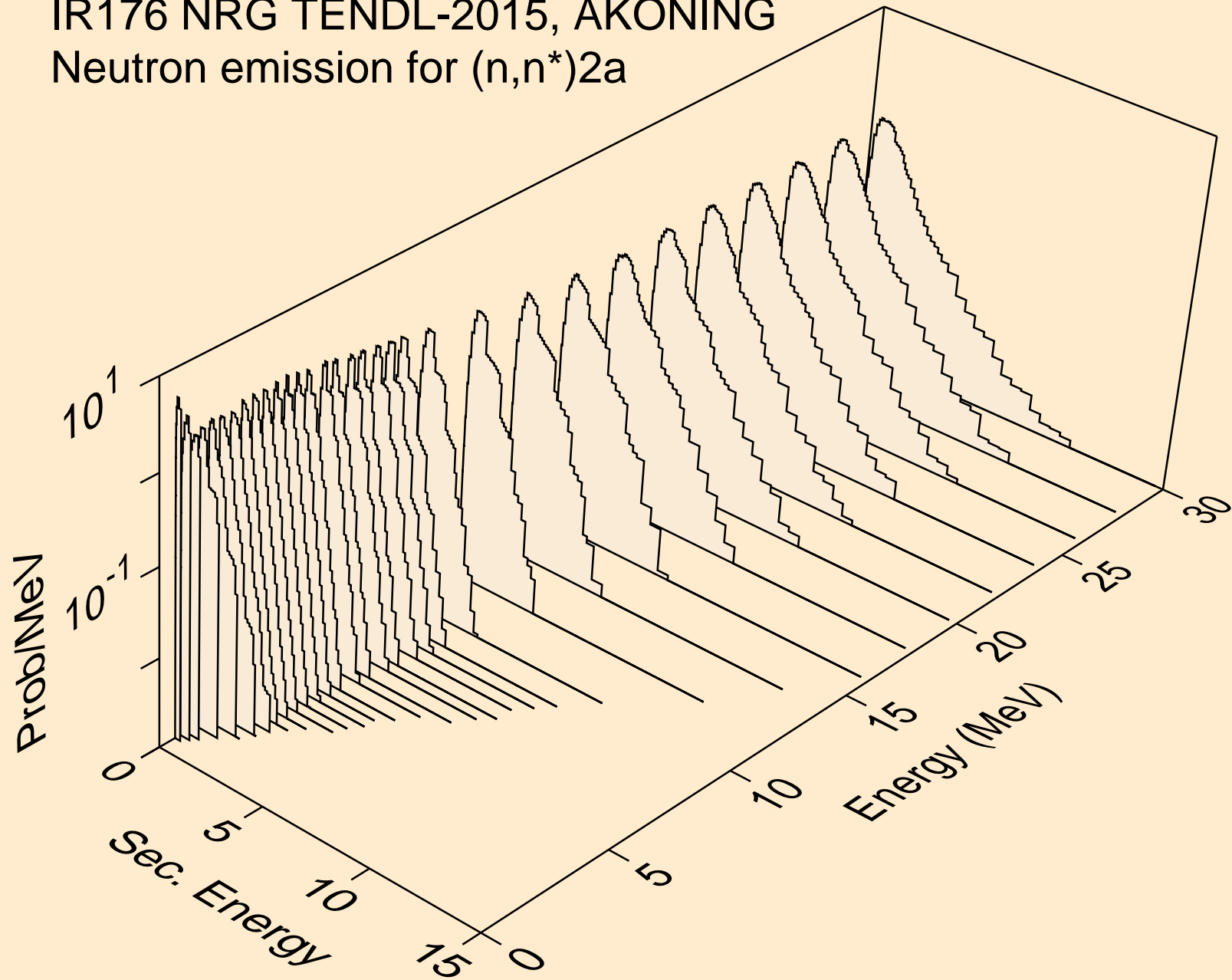
IR176 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



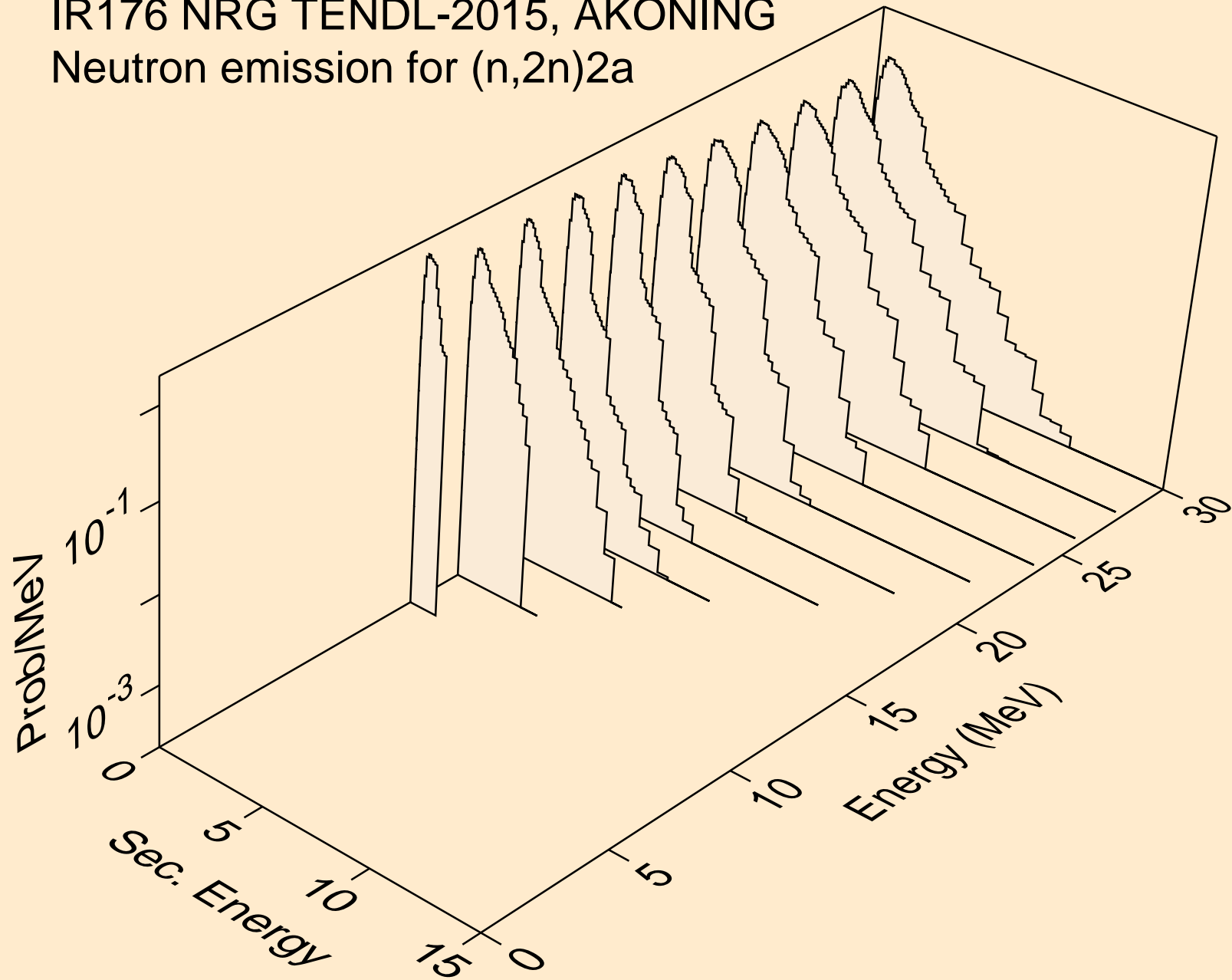
IR176 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



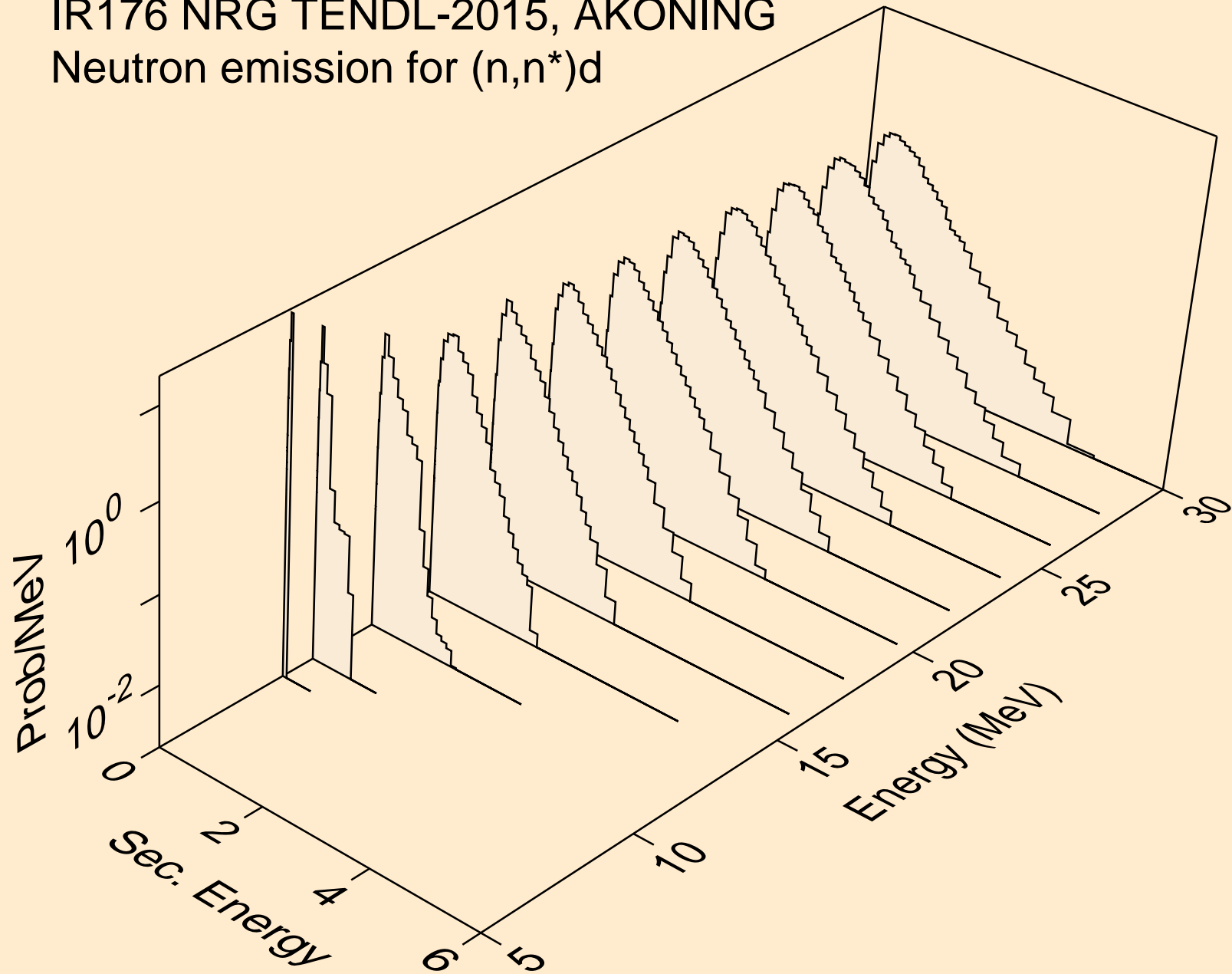
IR176 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



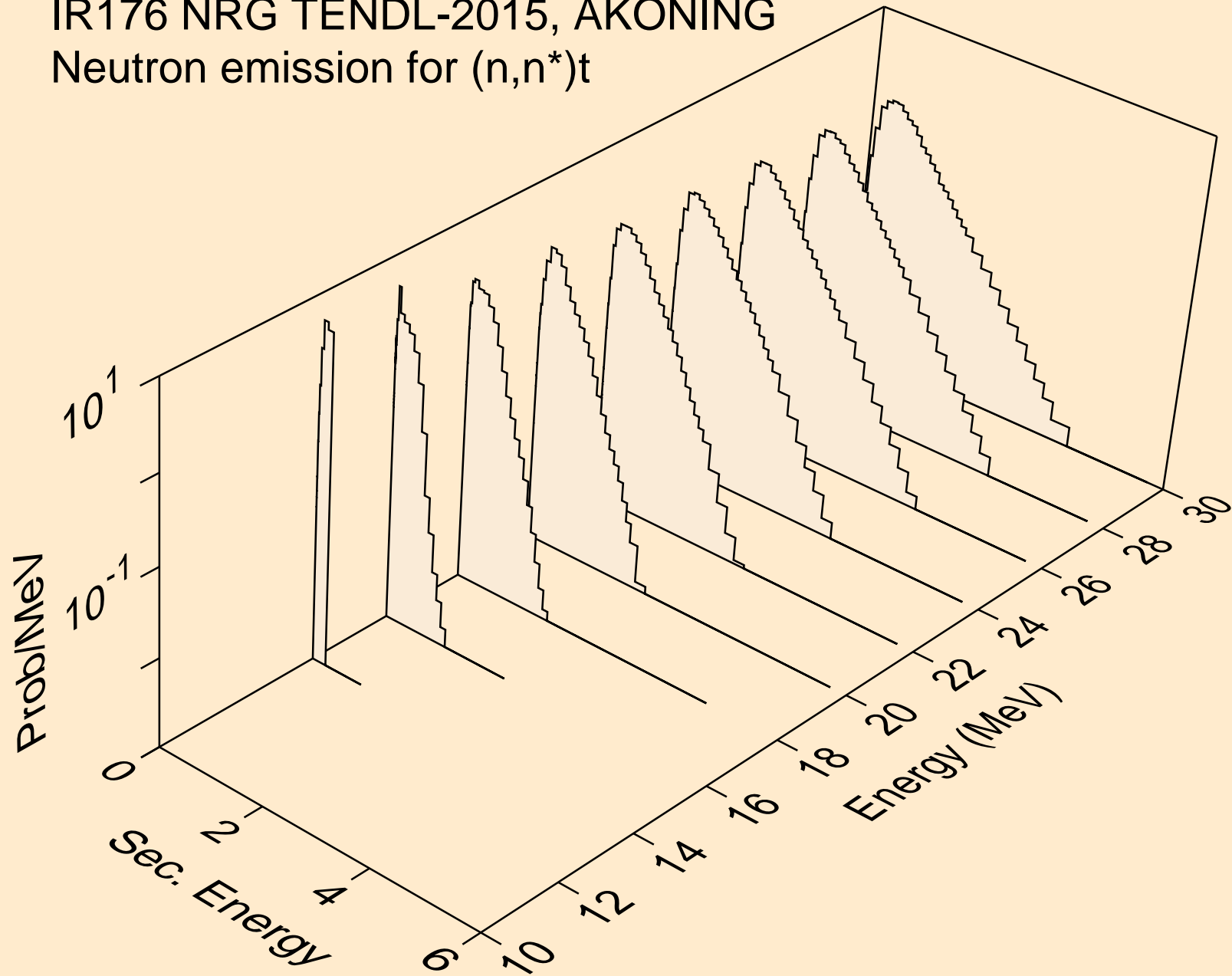
IR176 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)2a



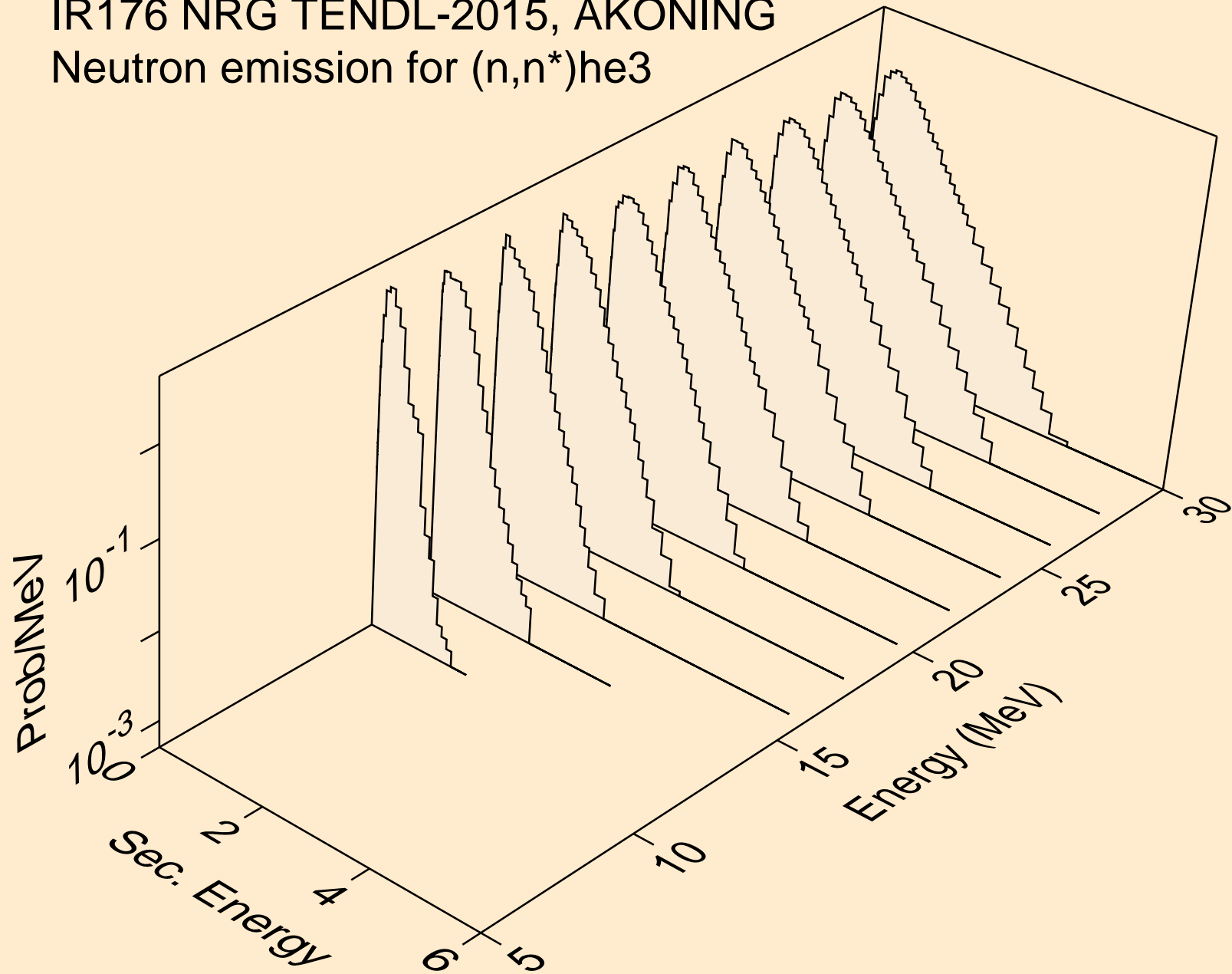
IR176 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



IR176 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t

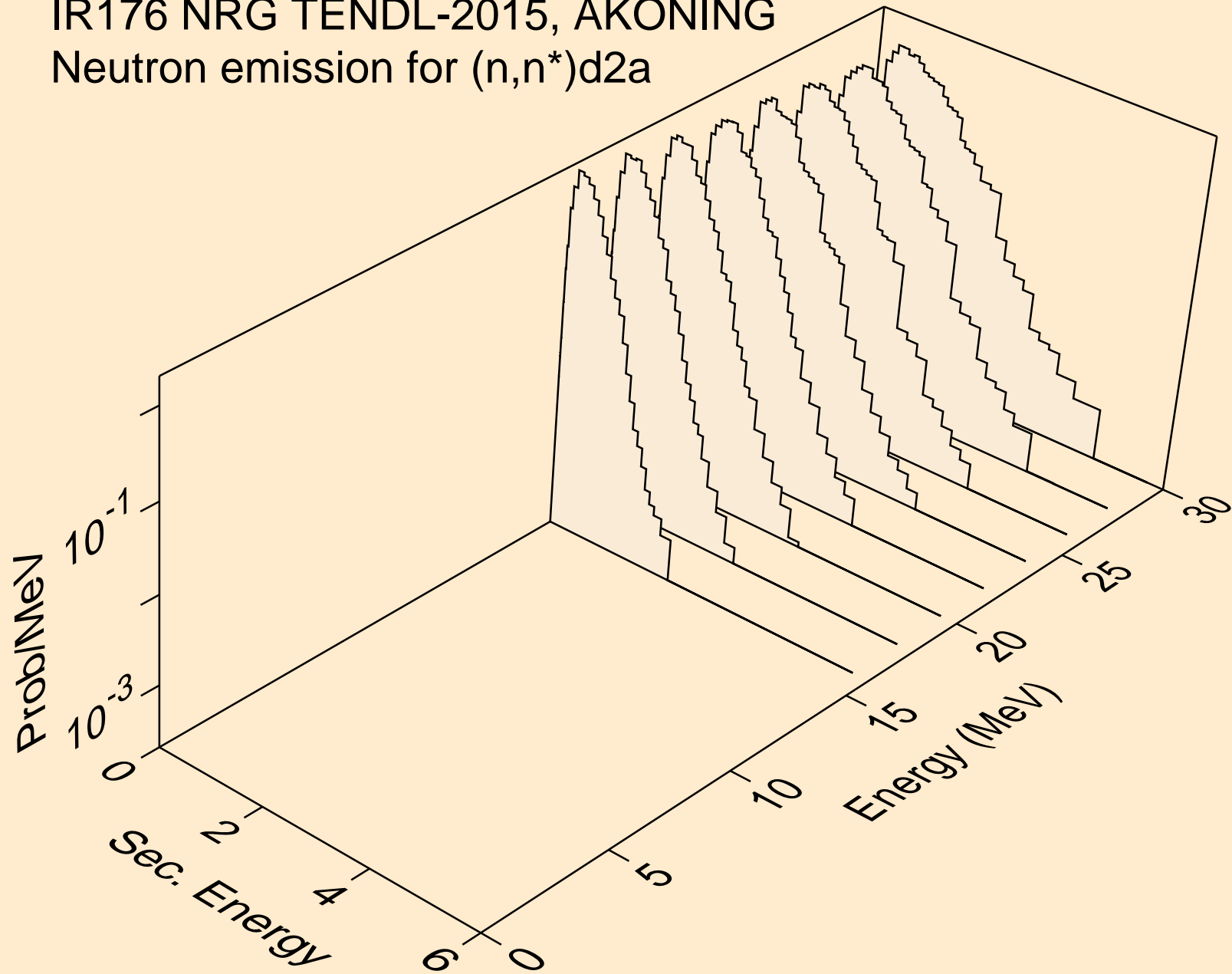


IR176 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3

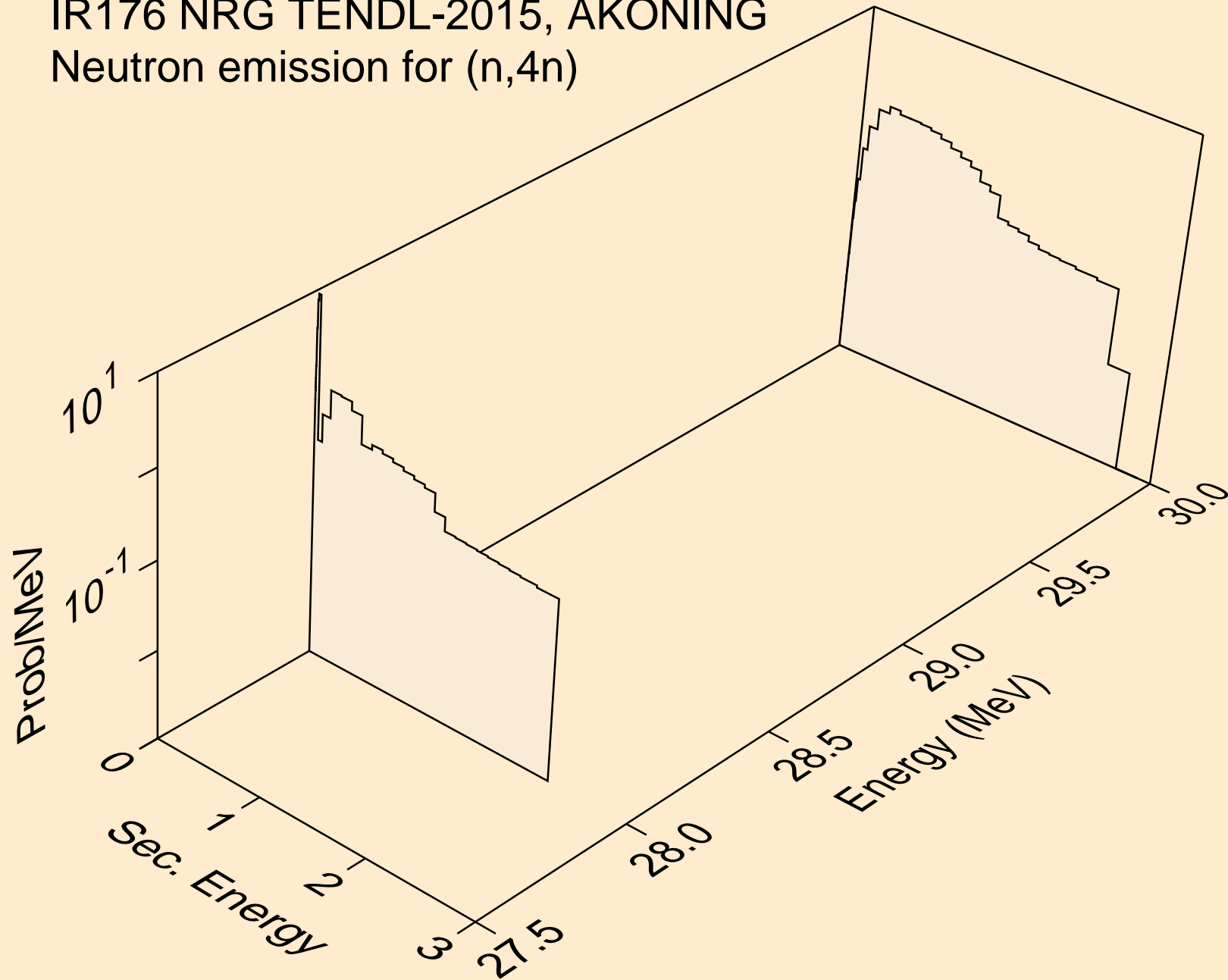




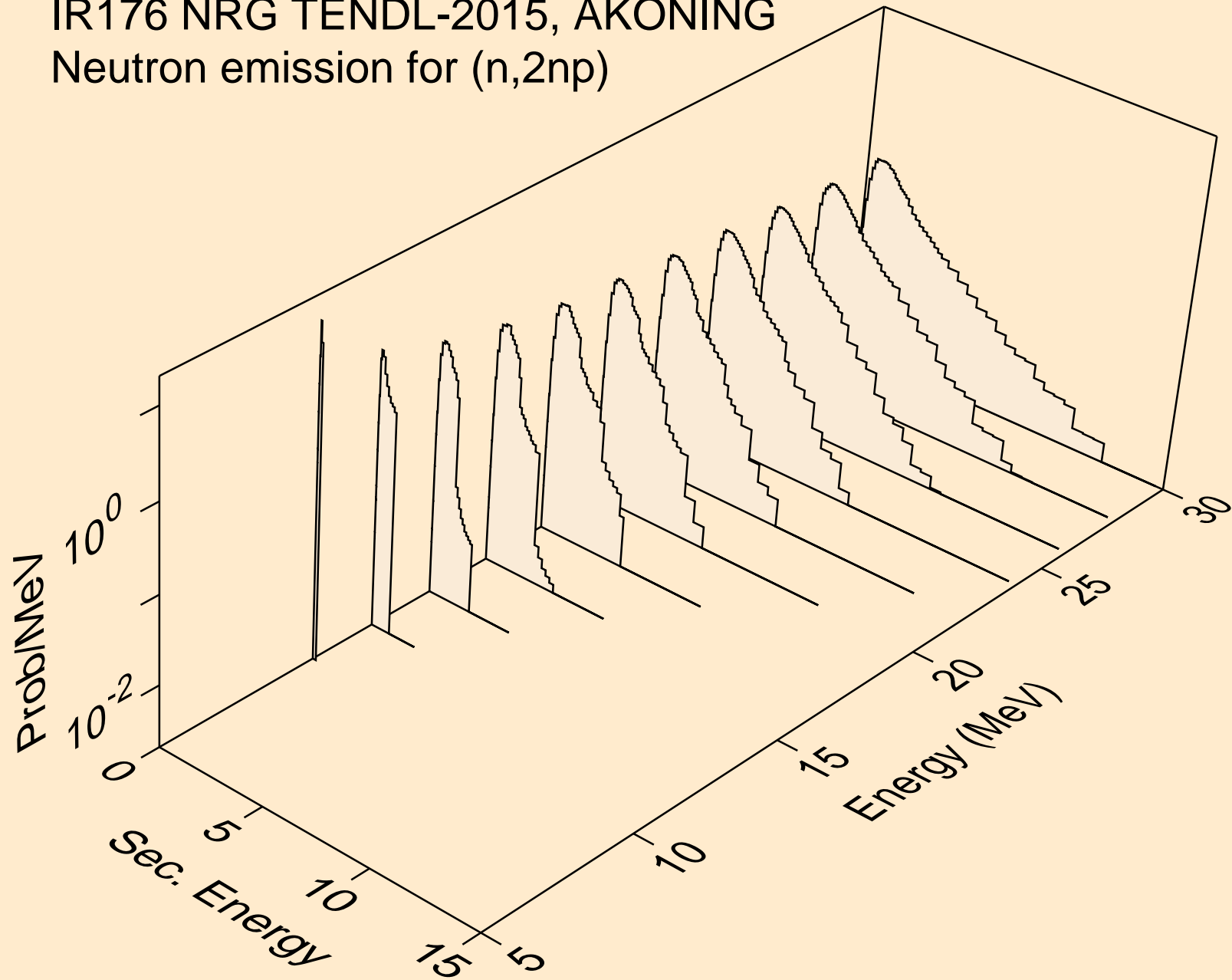
IR176 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d2a



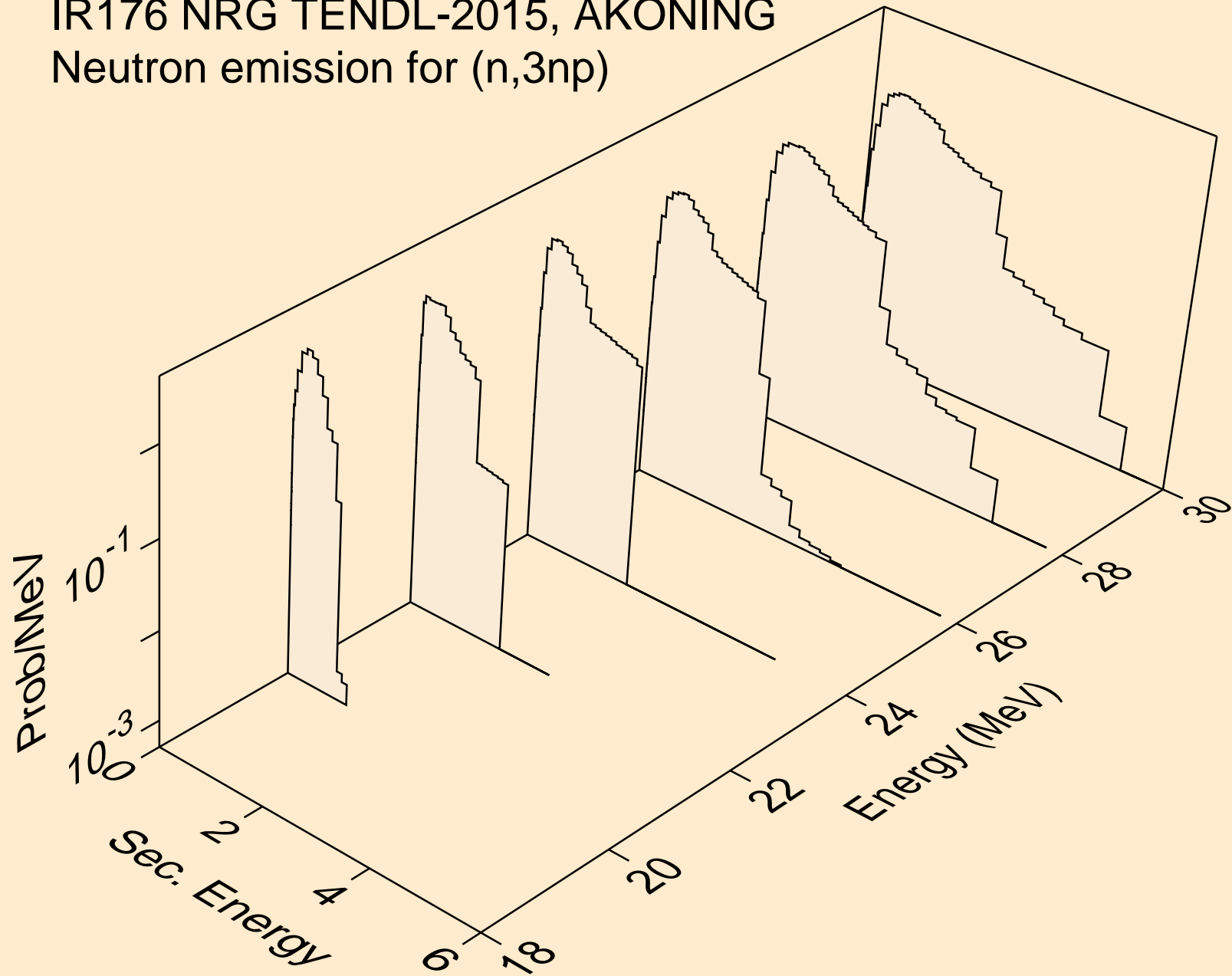
IR176 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



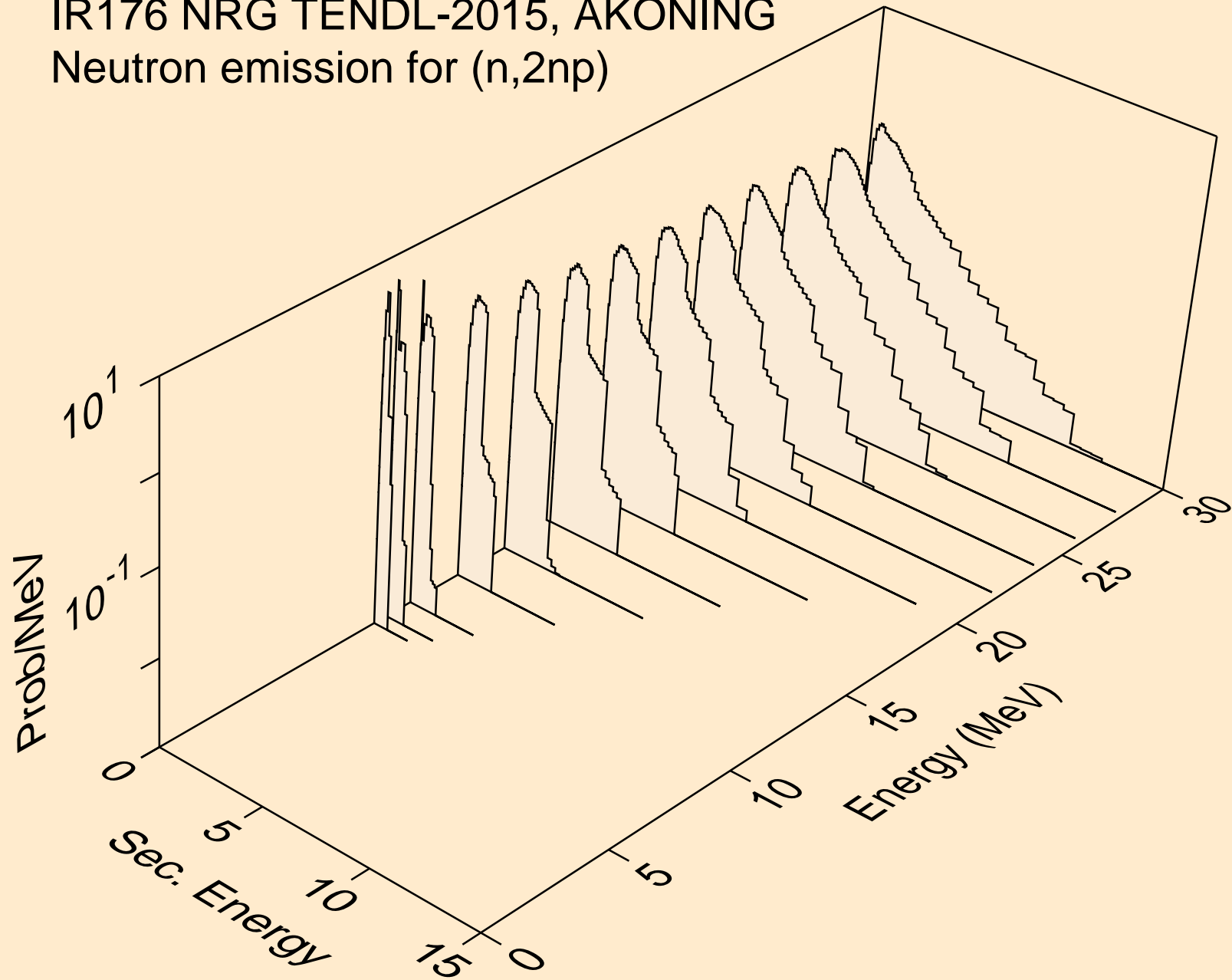
IR176 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



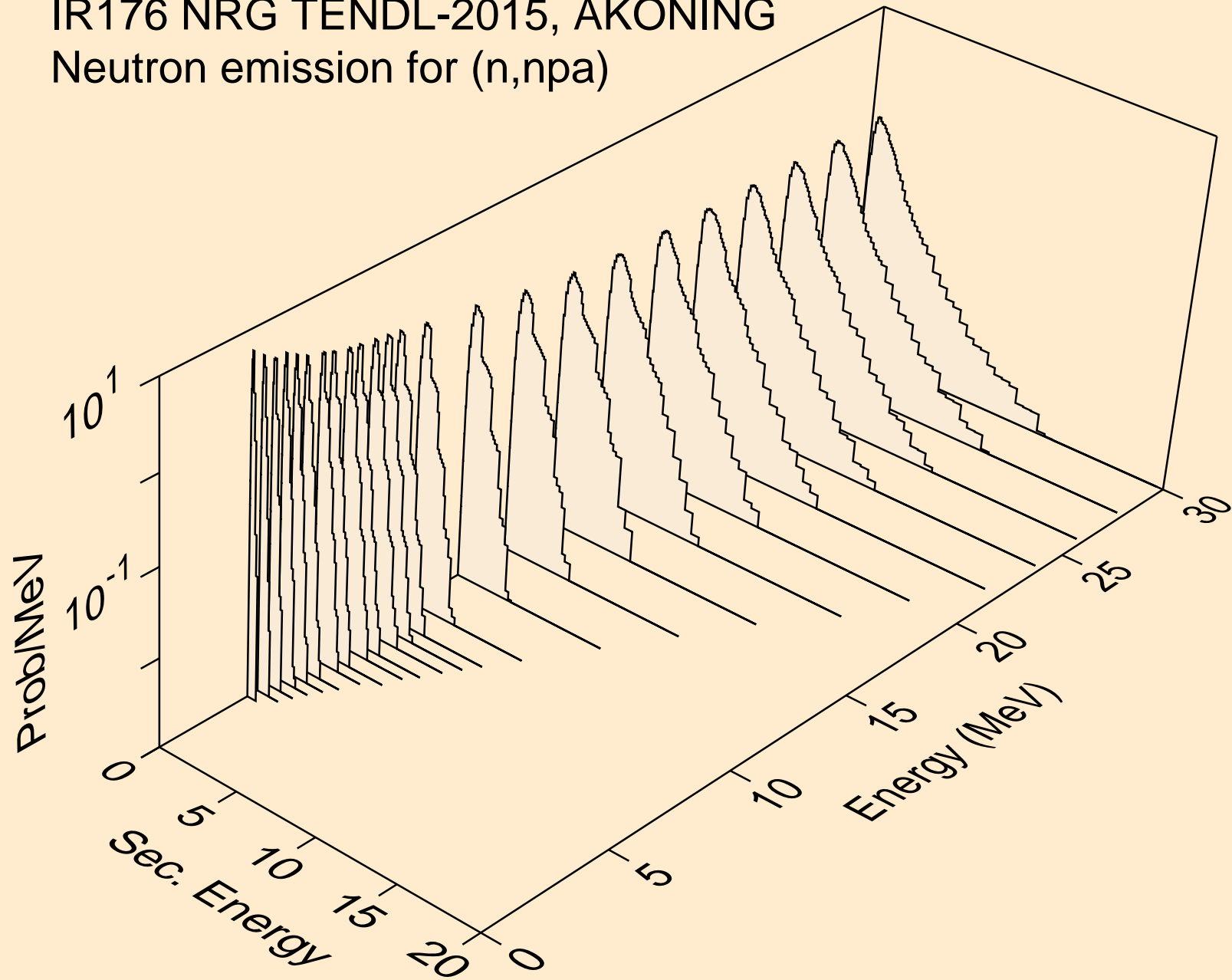
IR176 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



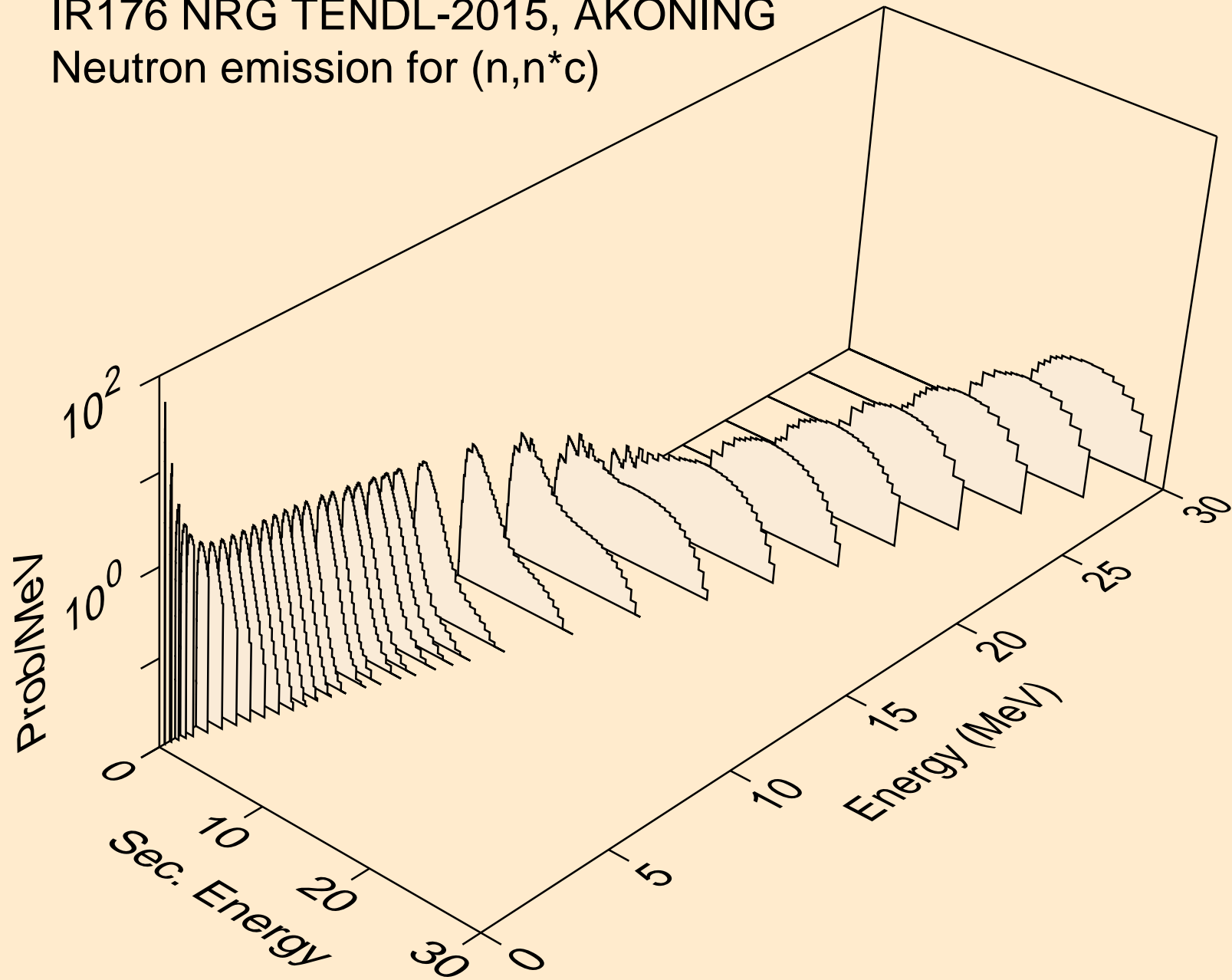
IR176 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



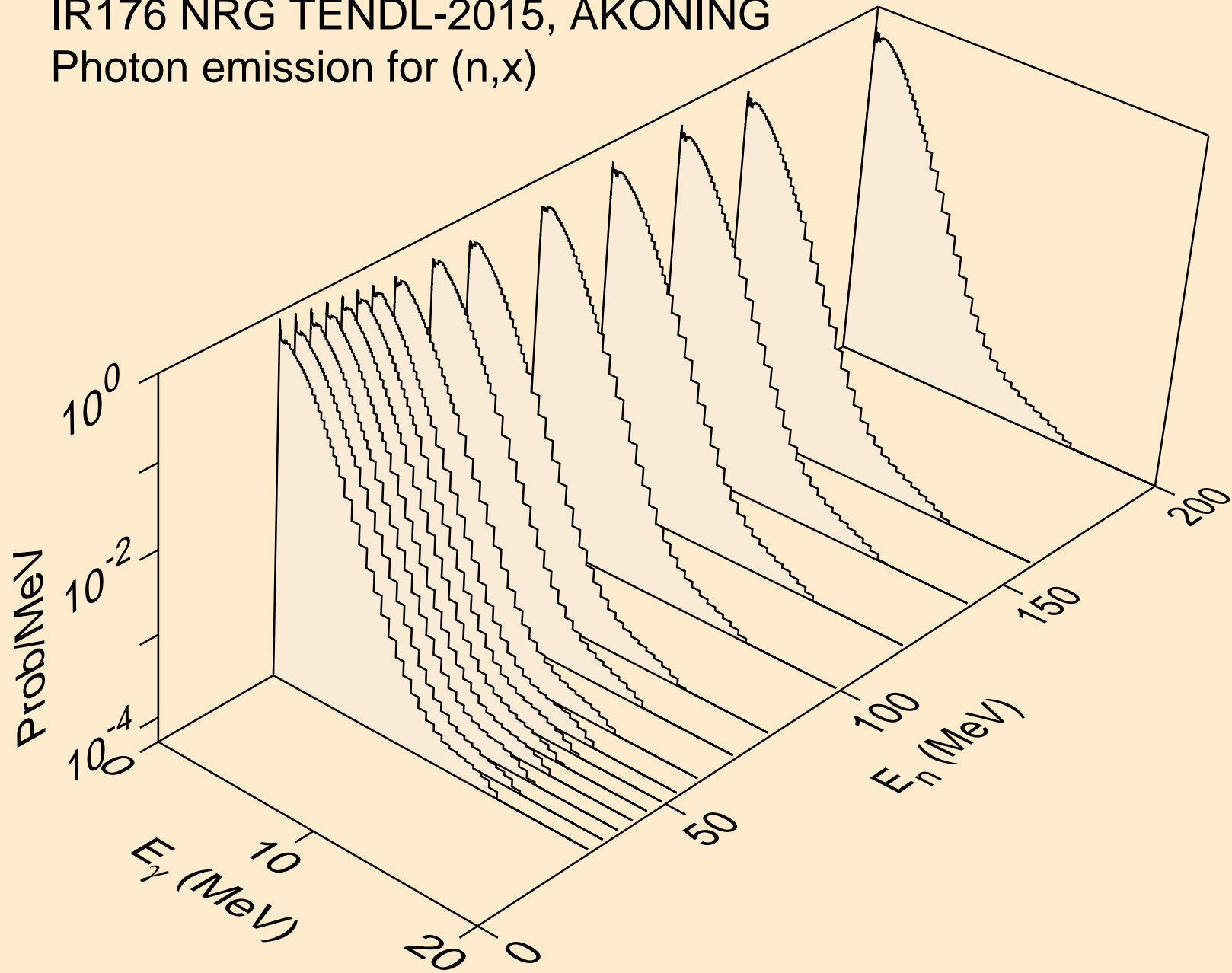
IR176 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



IR176 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)

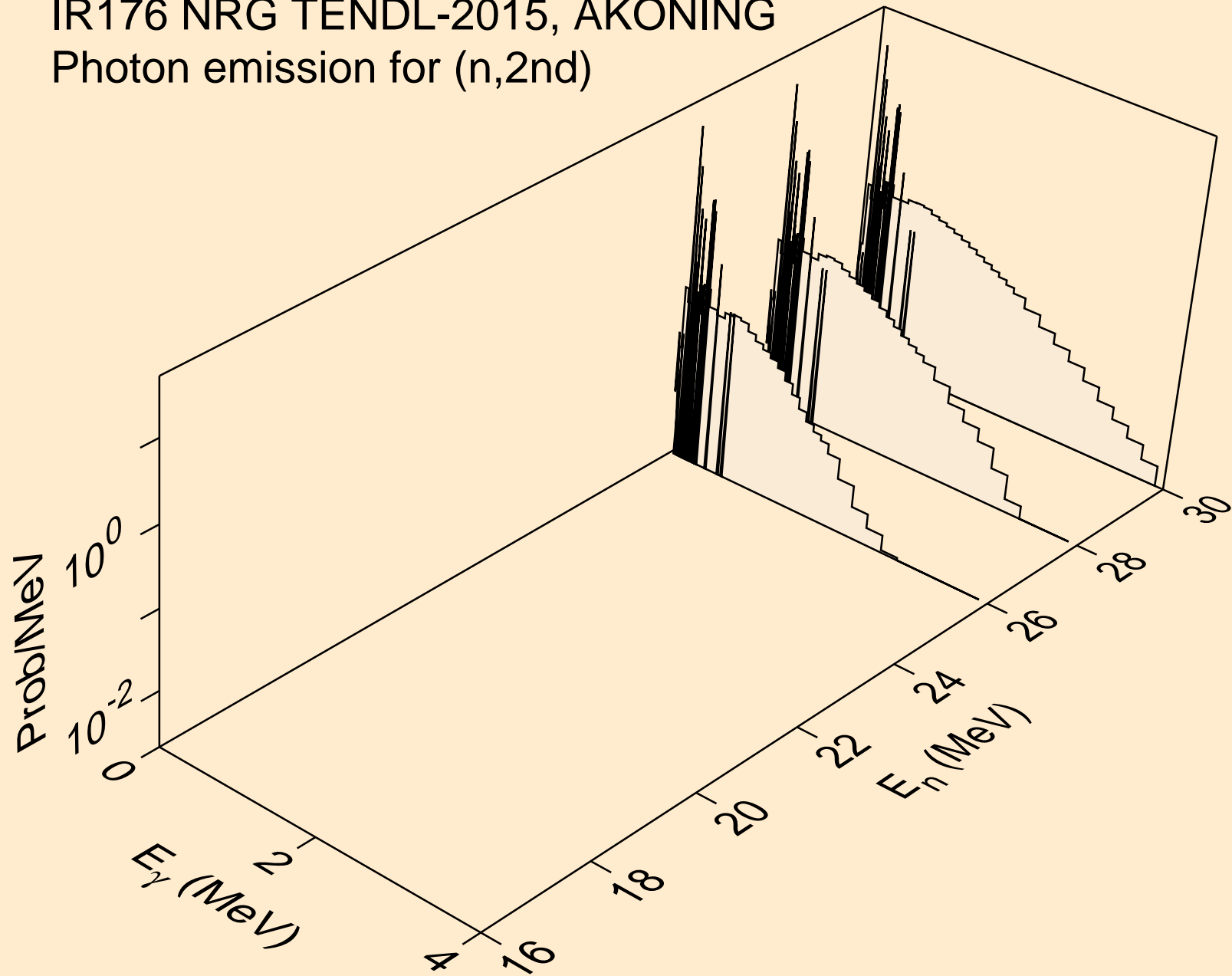


IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,x)

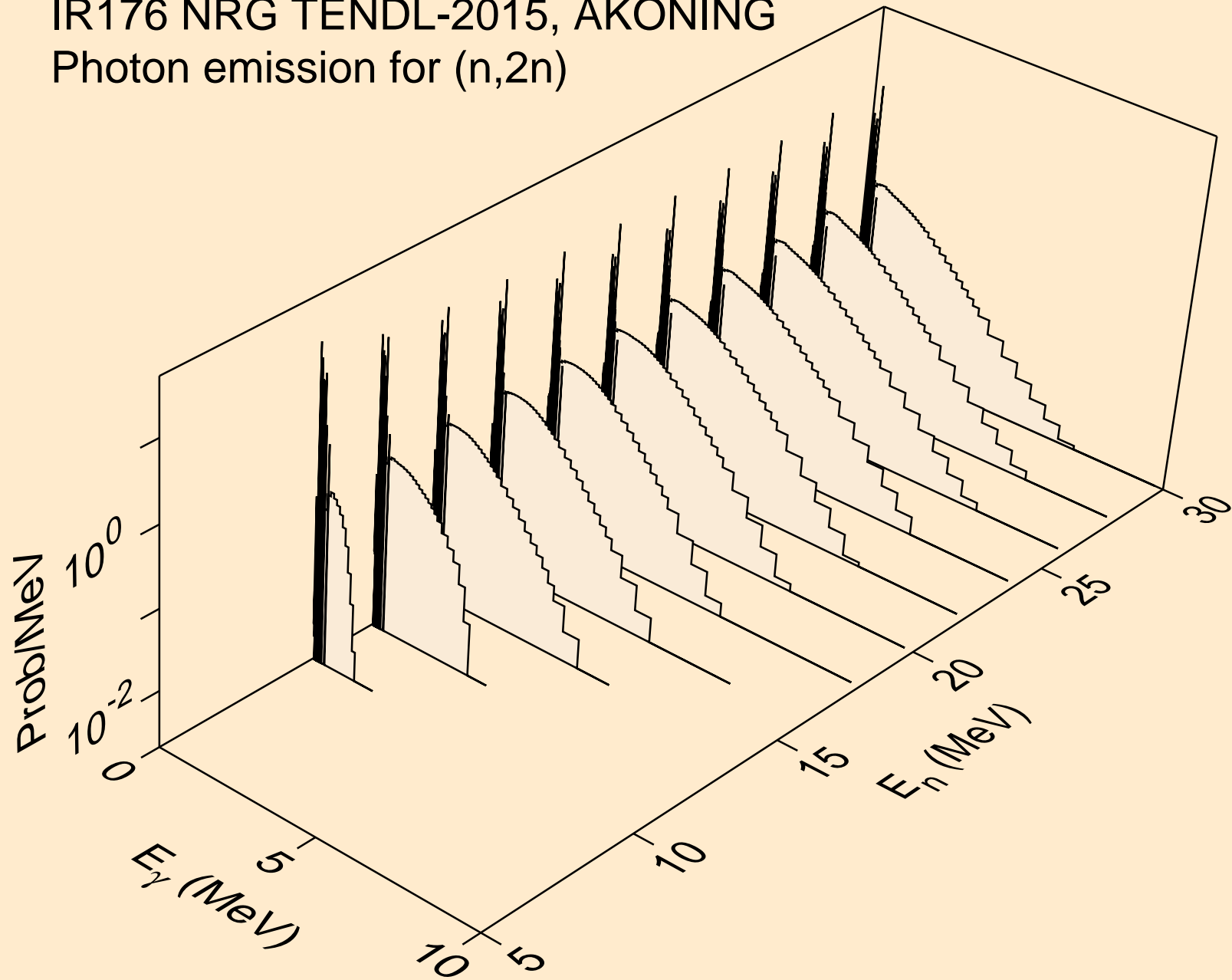




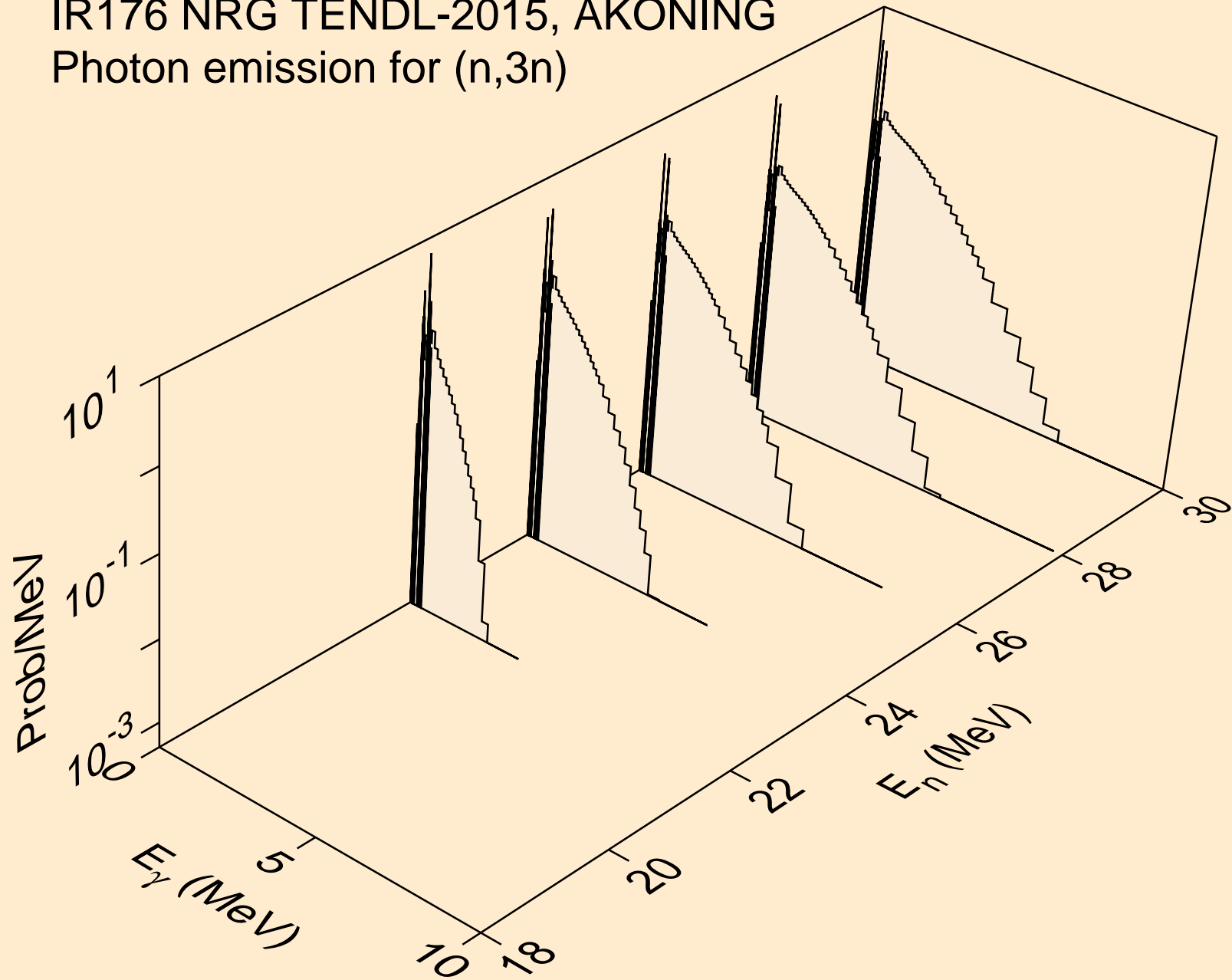
IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



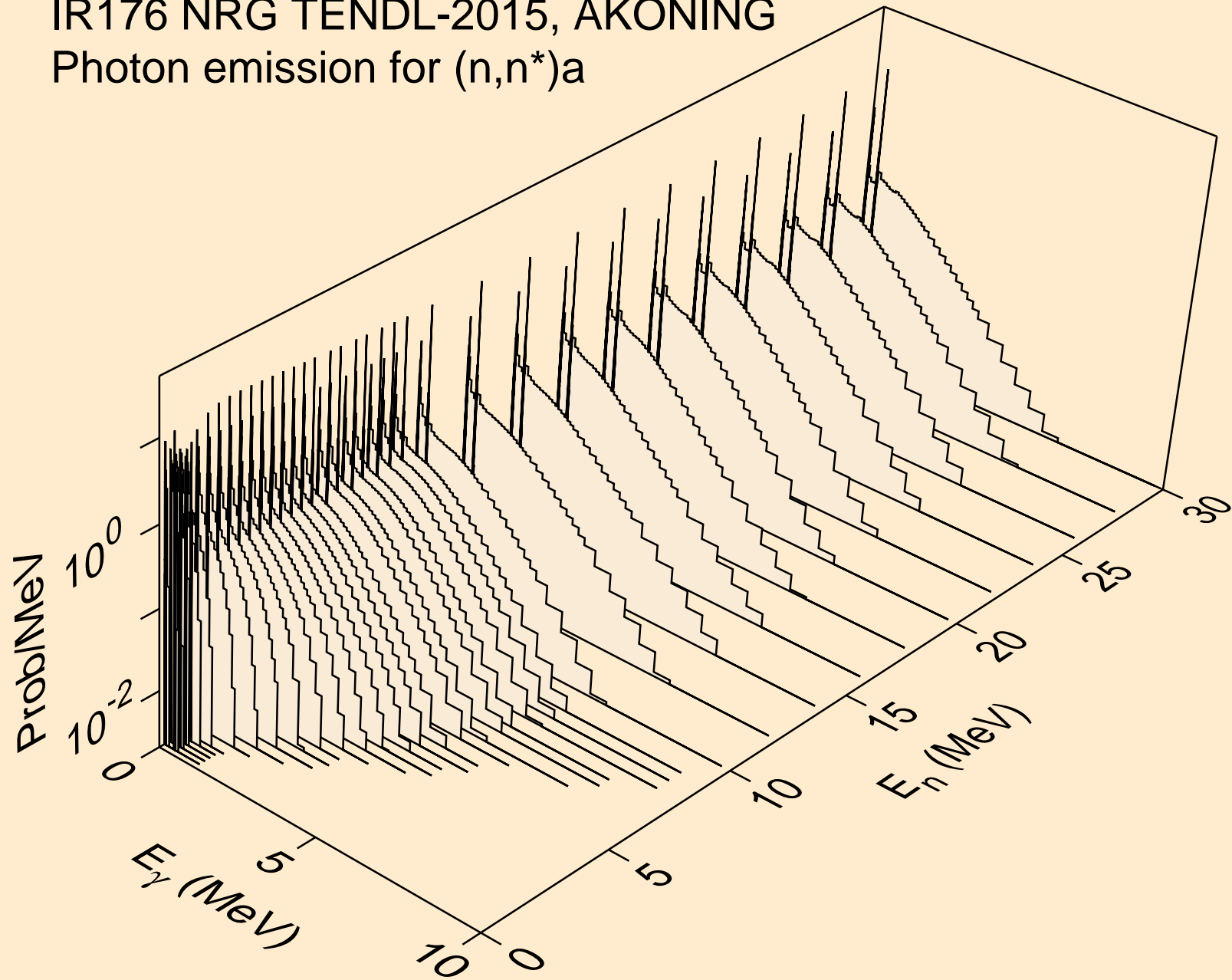
IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



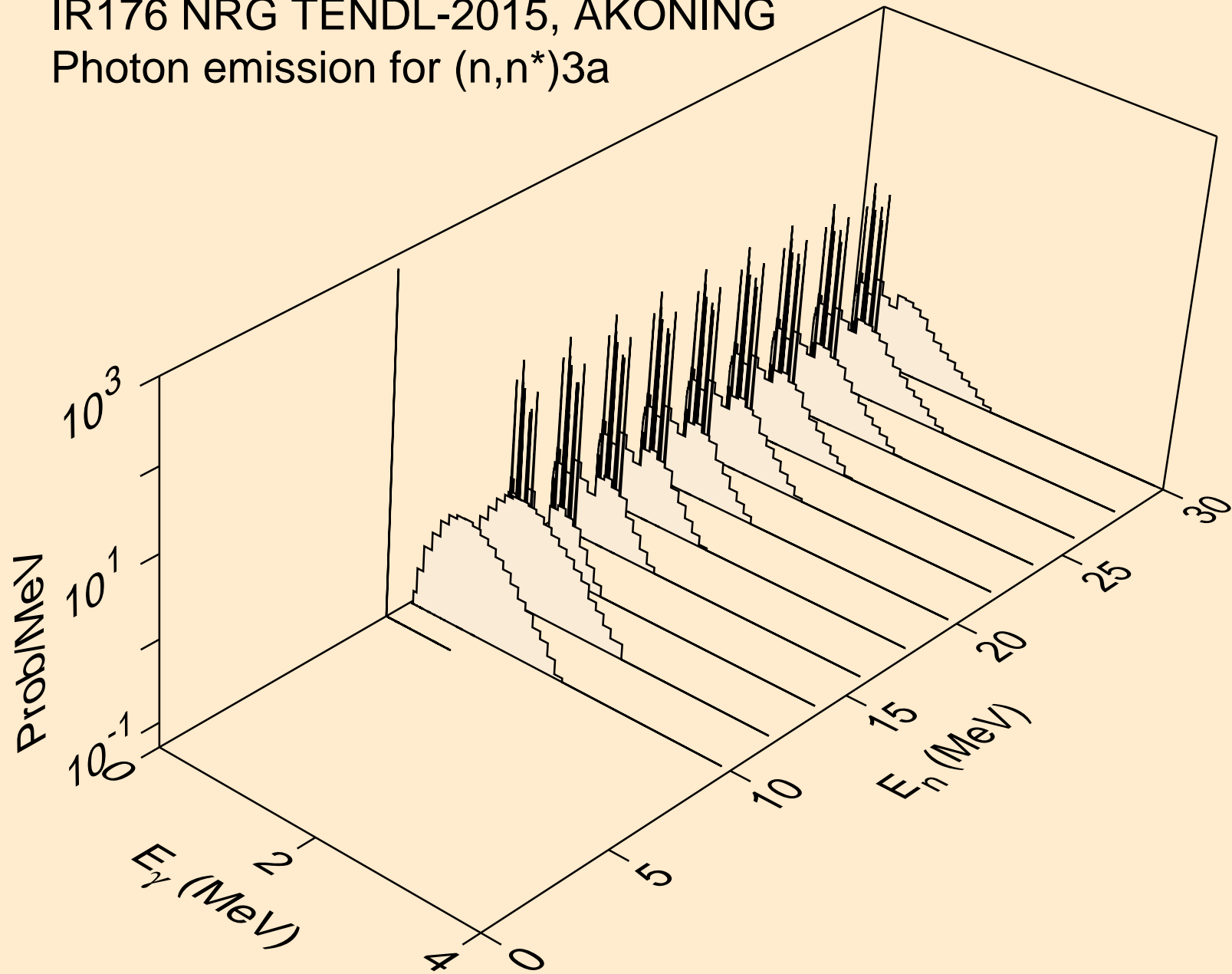
IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



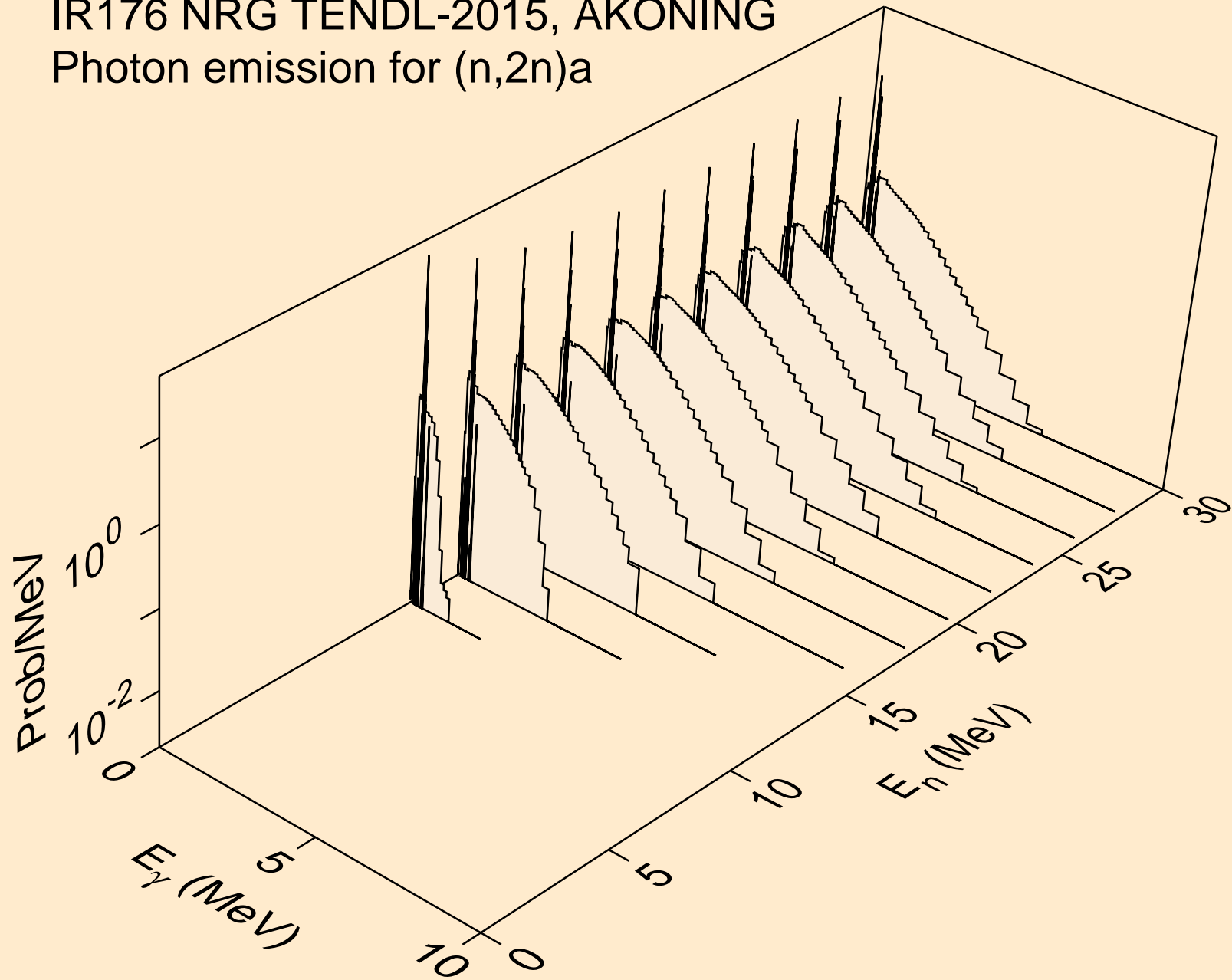
IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



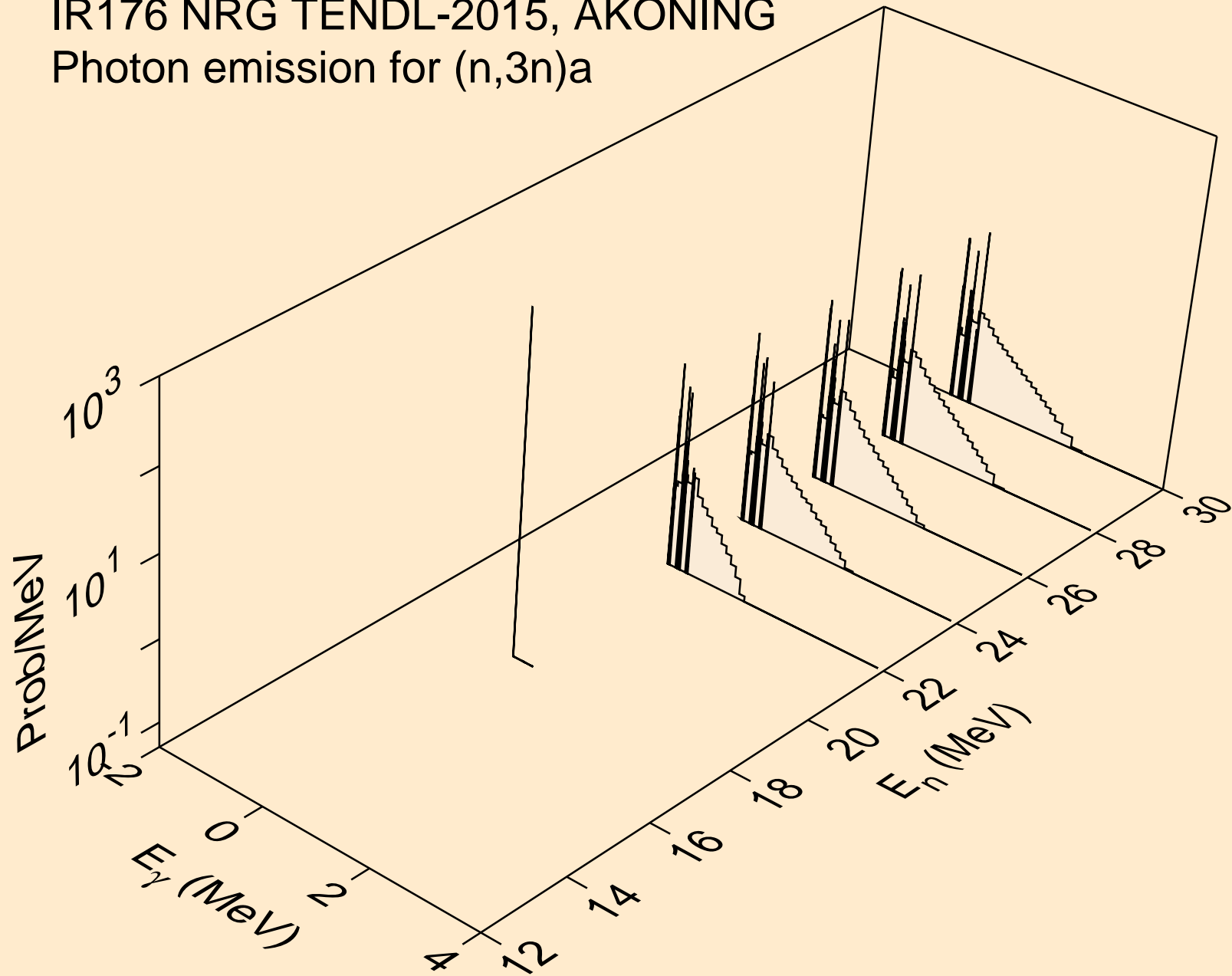
IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)3a



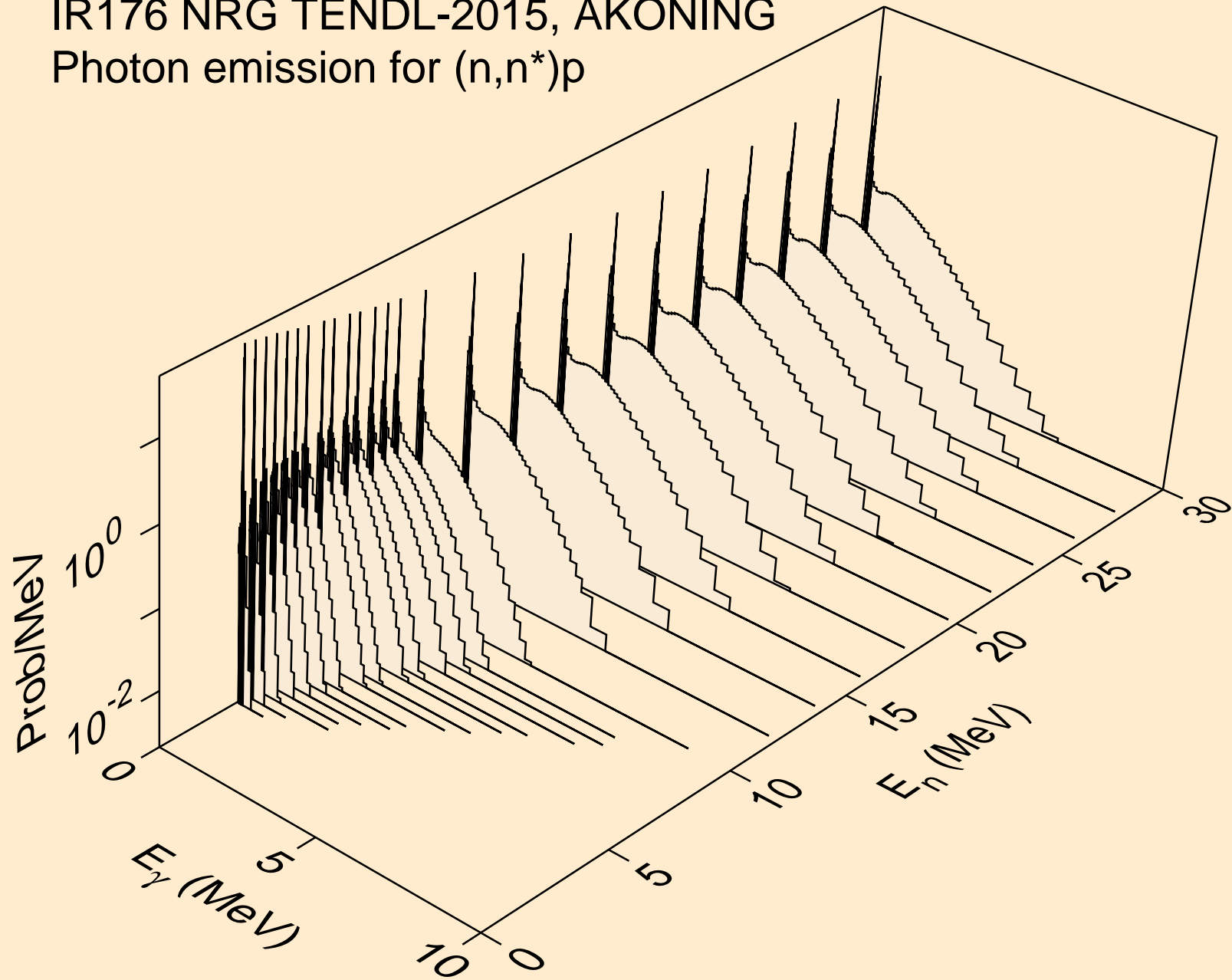
IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a

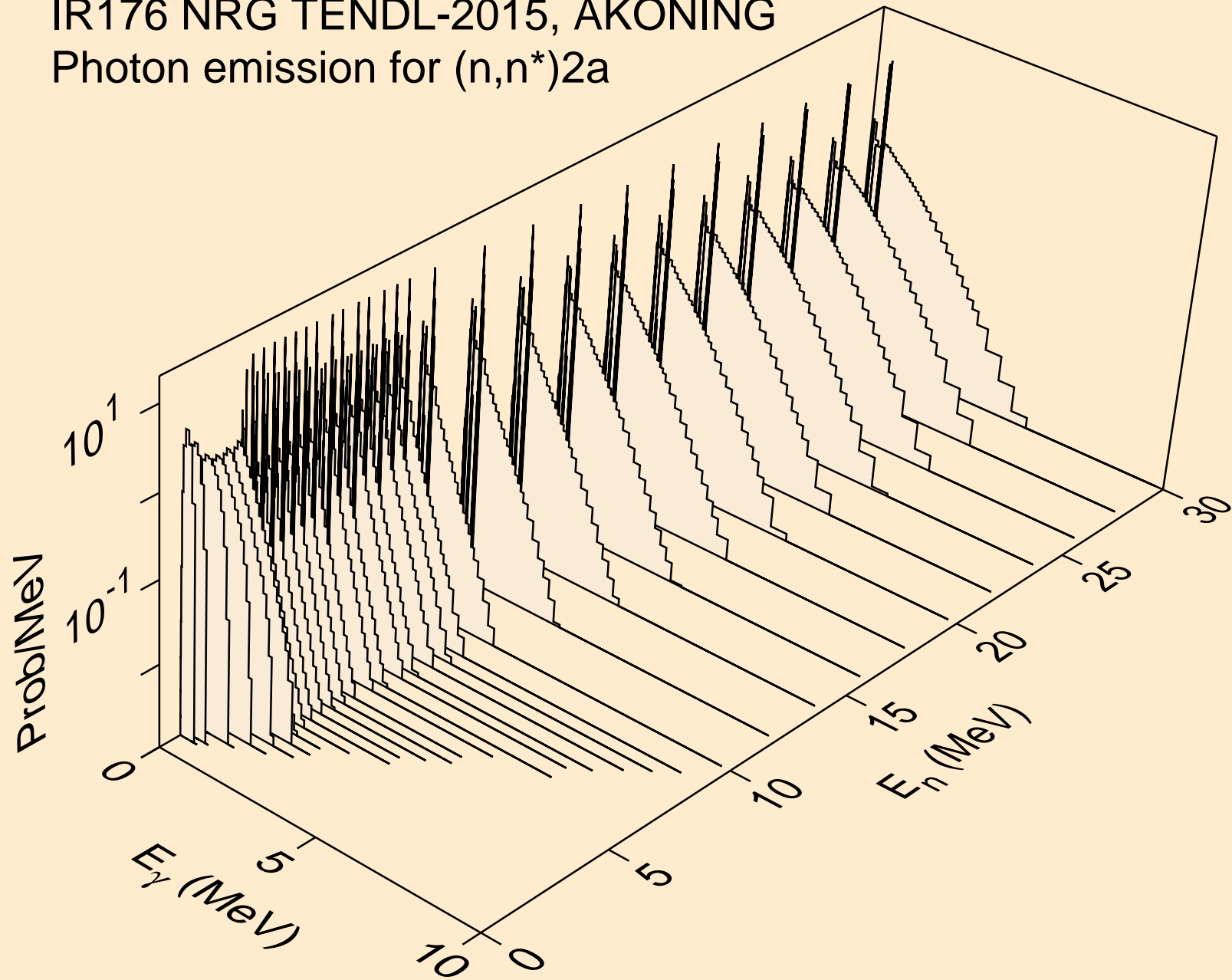


IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p

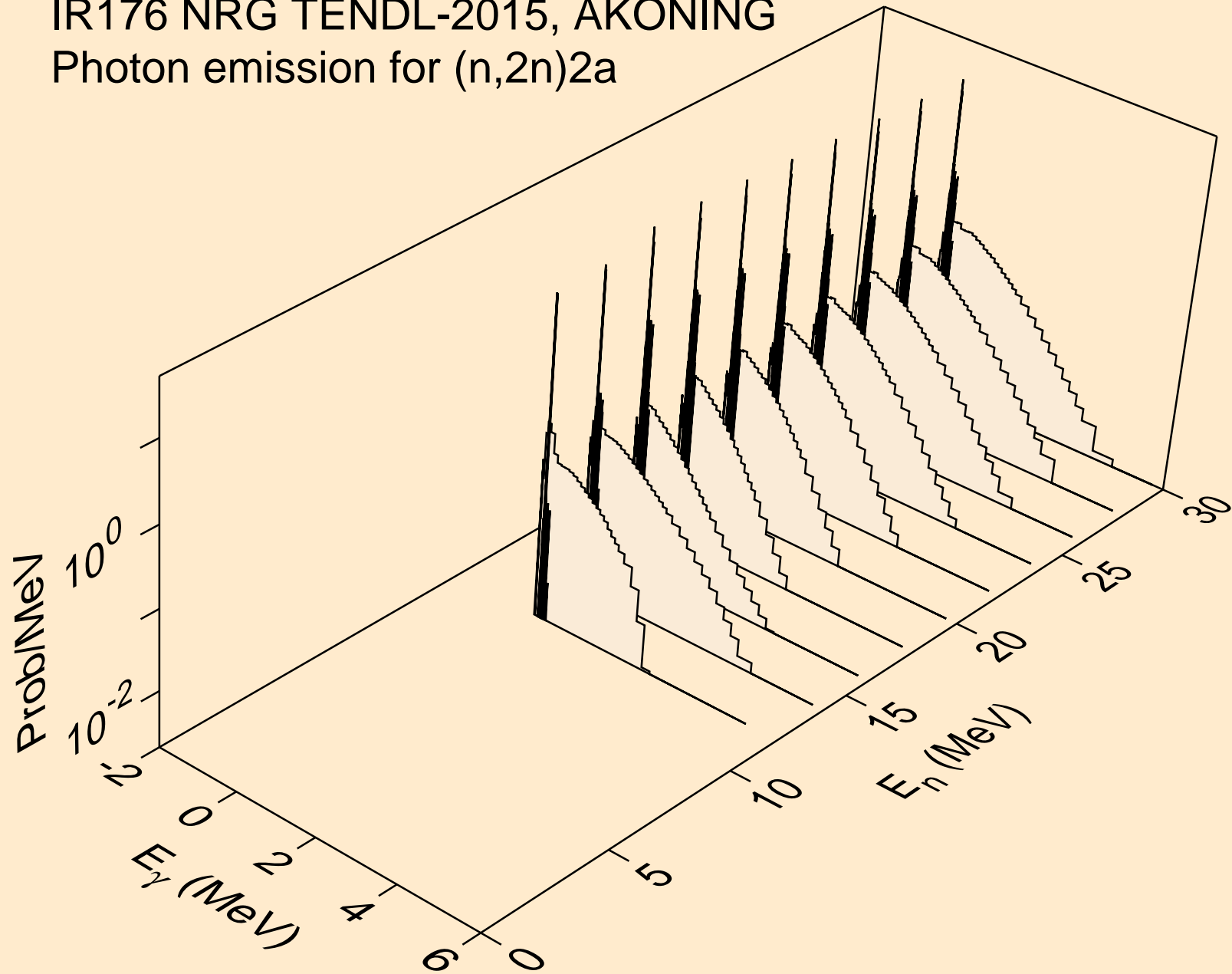




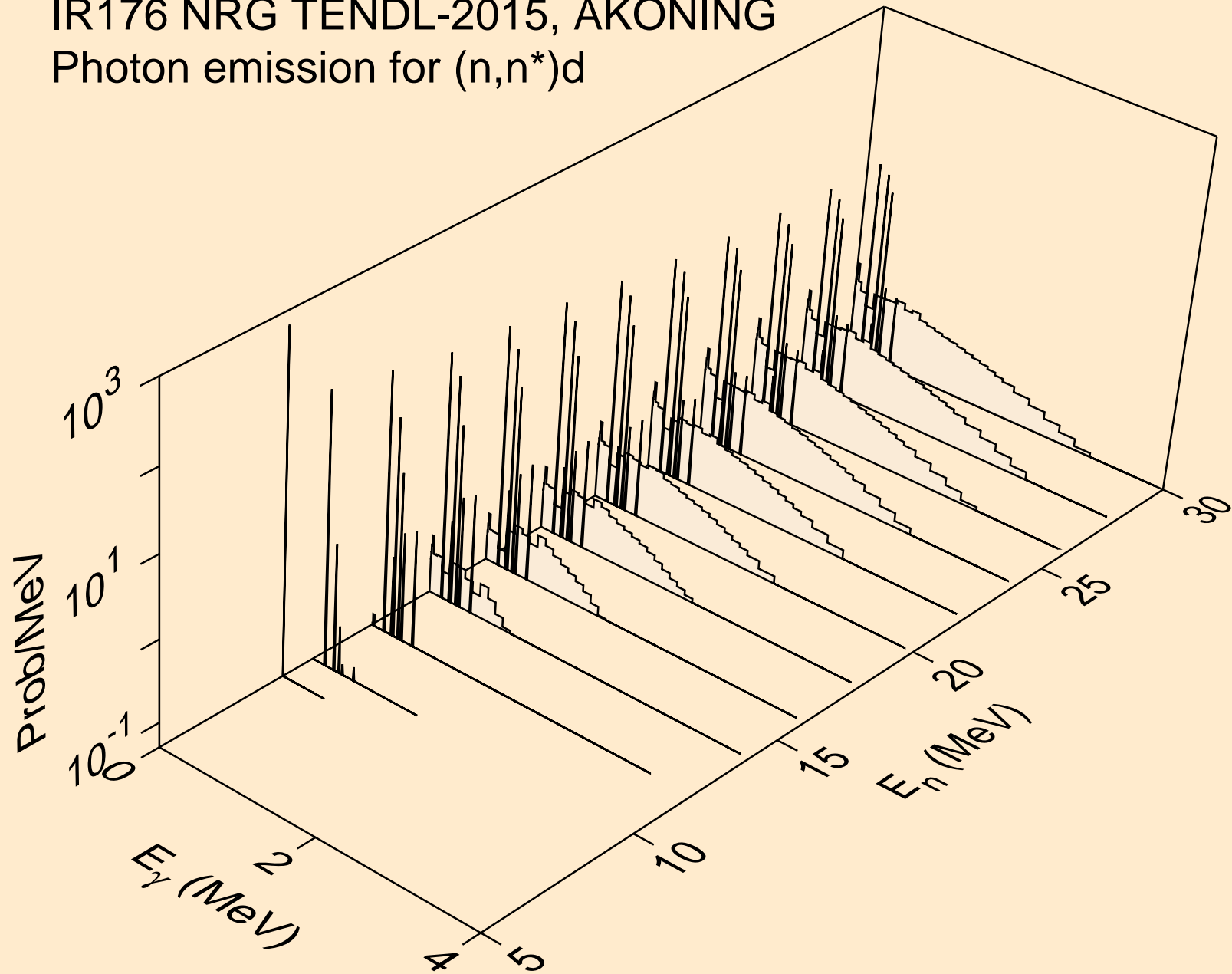
IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



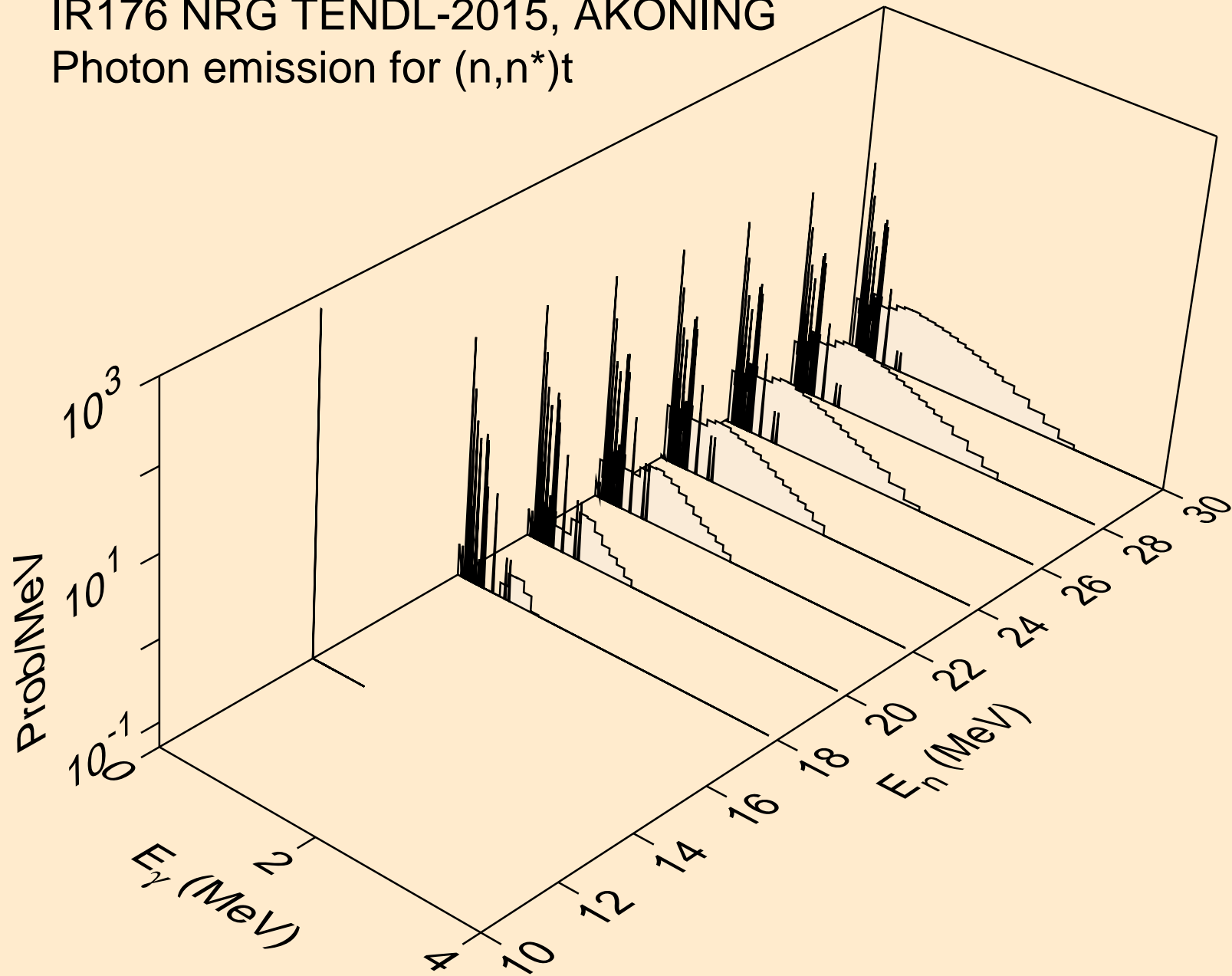
IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a



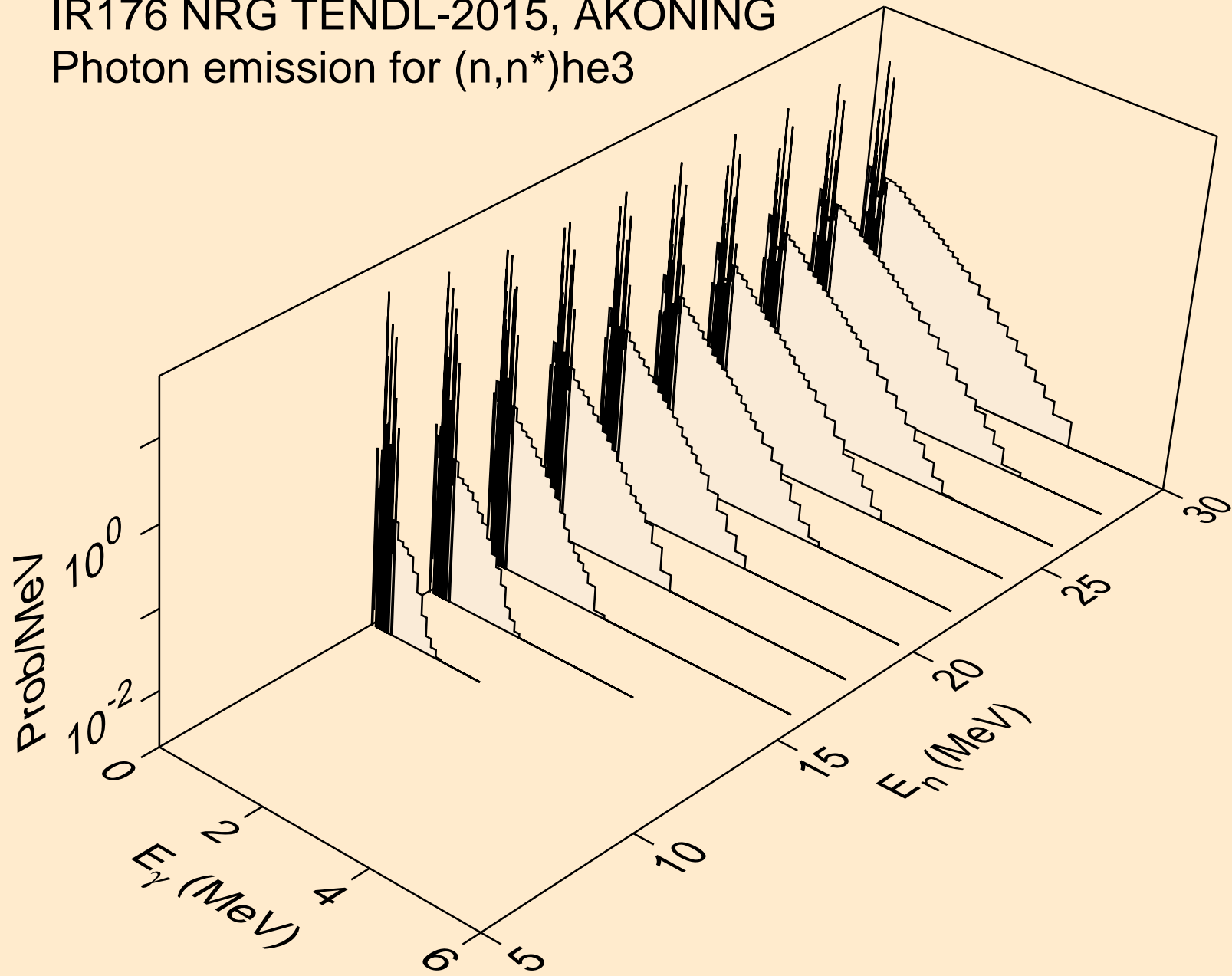
IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d



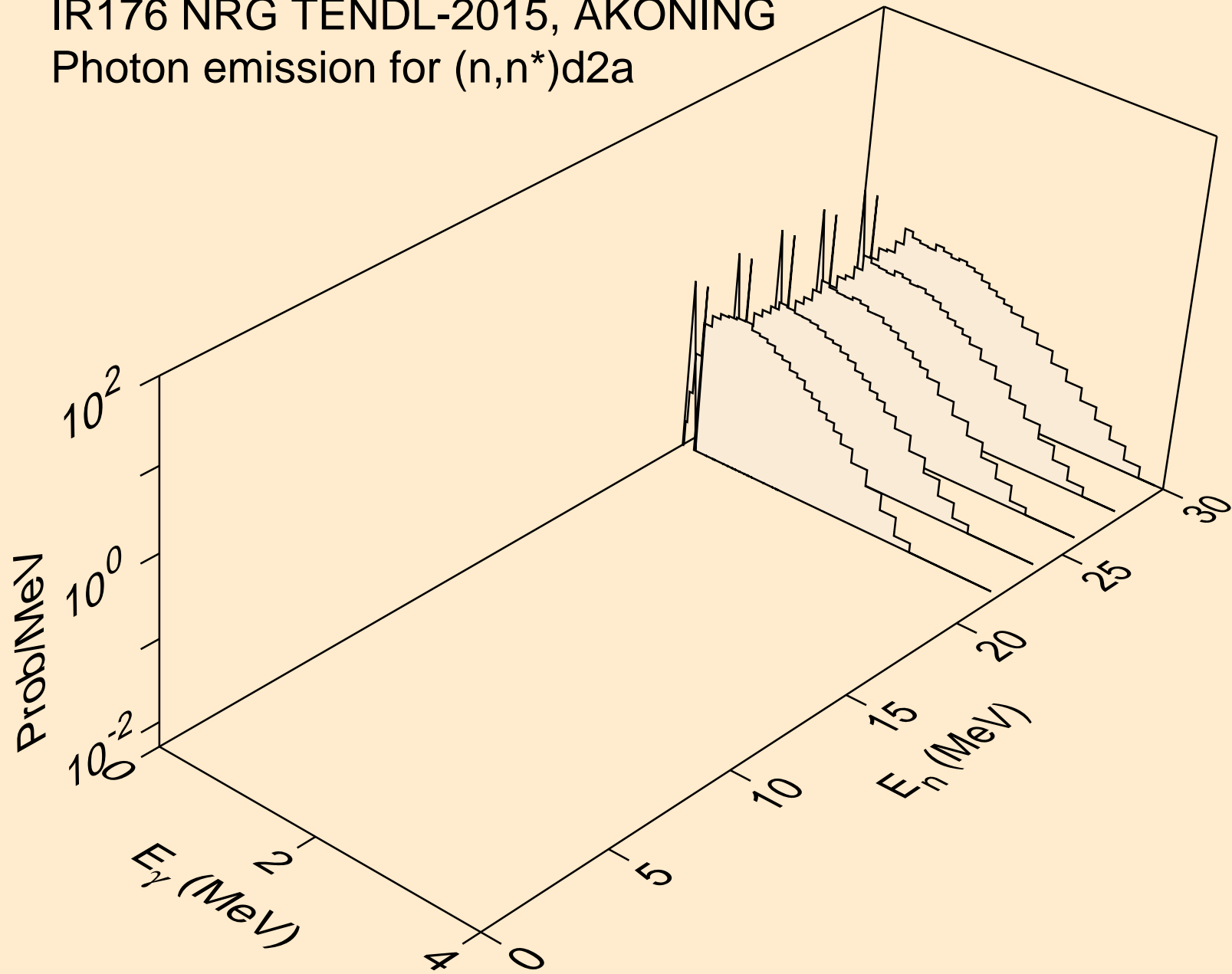
IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



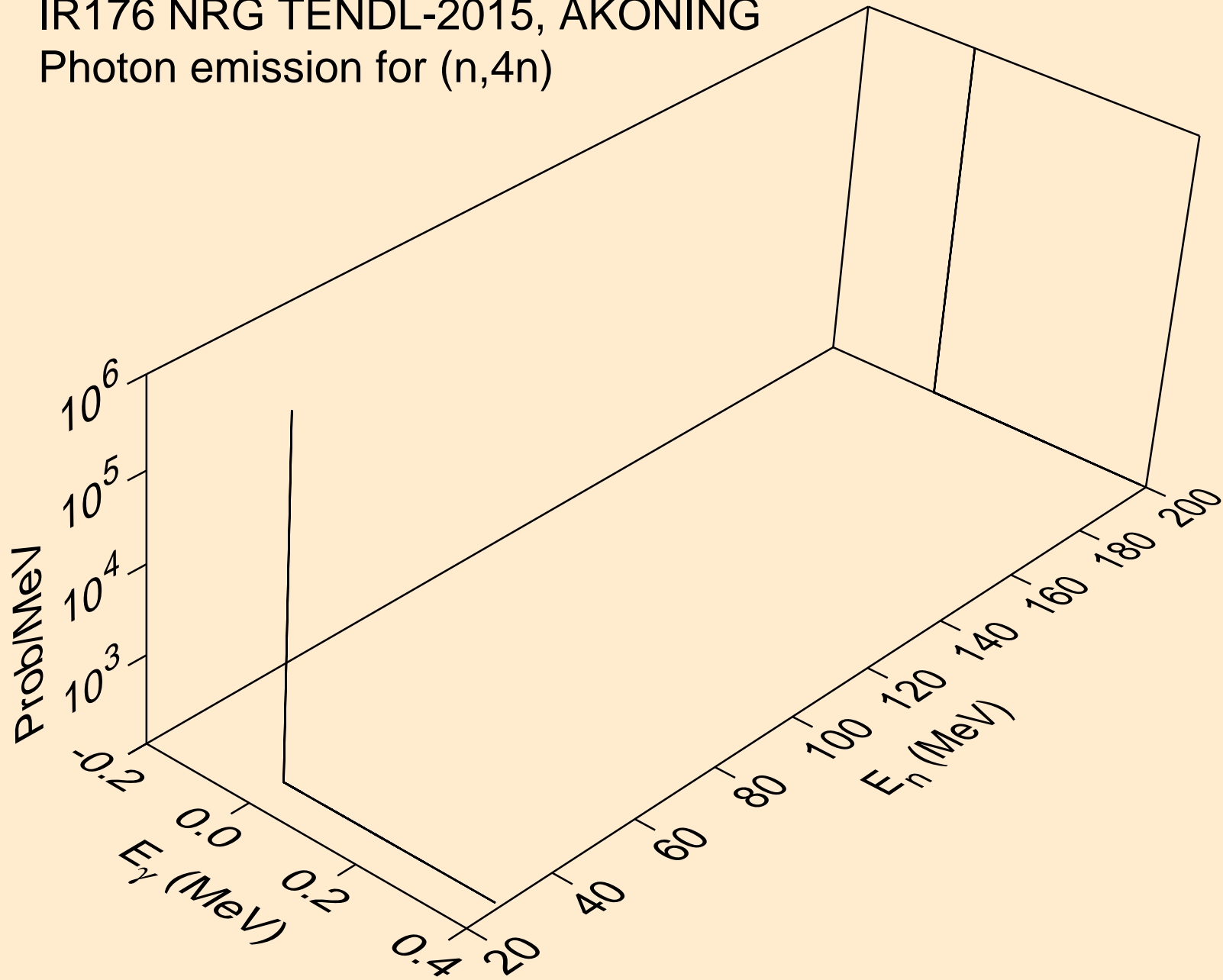
IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



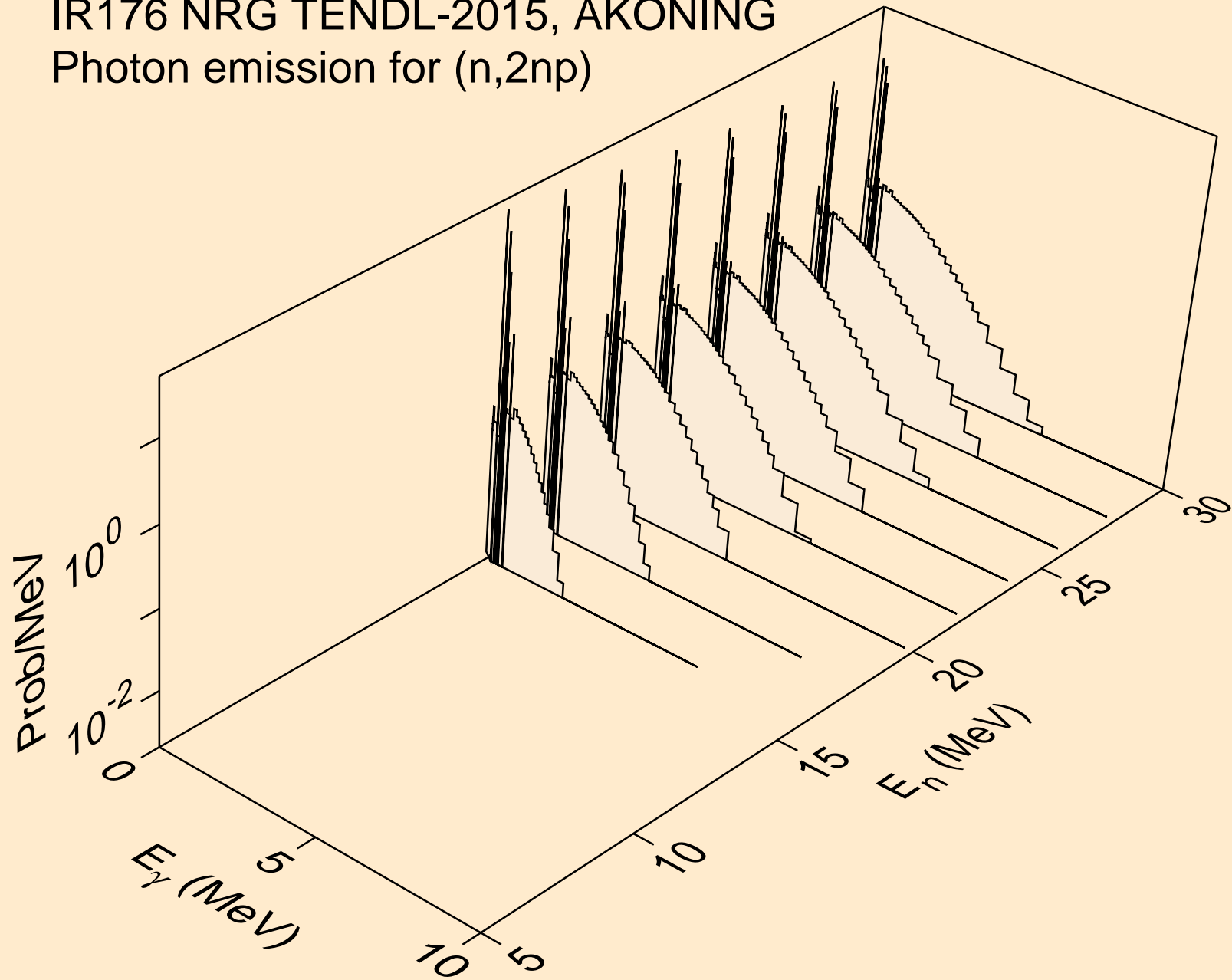
IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d2a



IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)

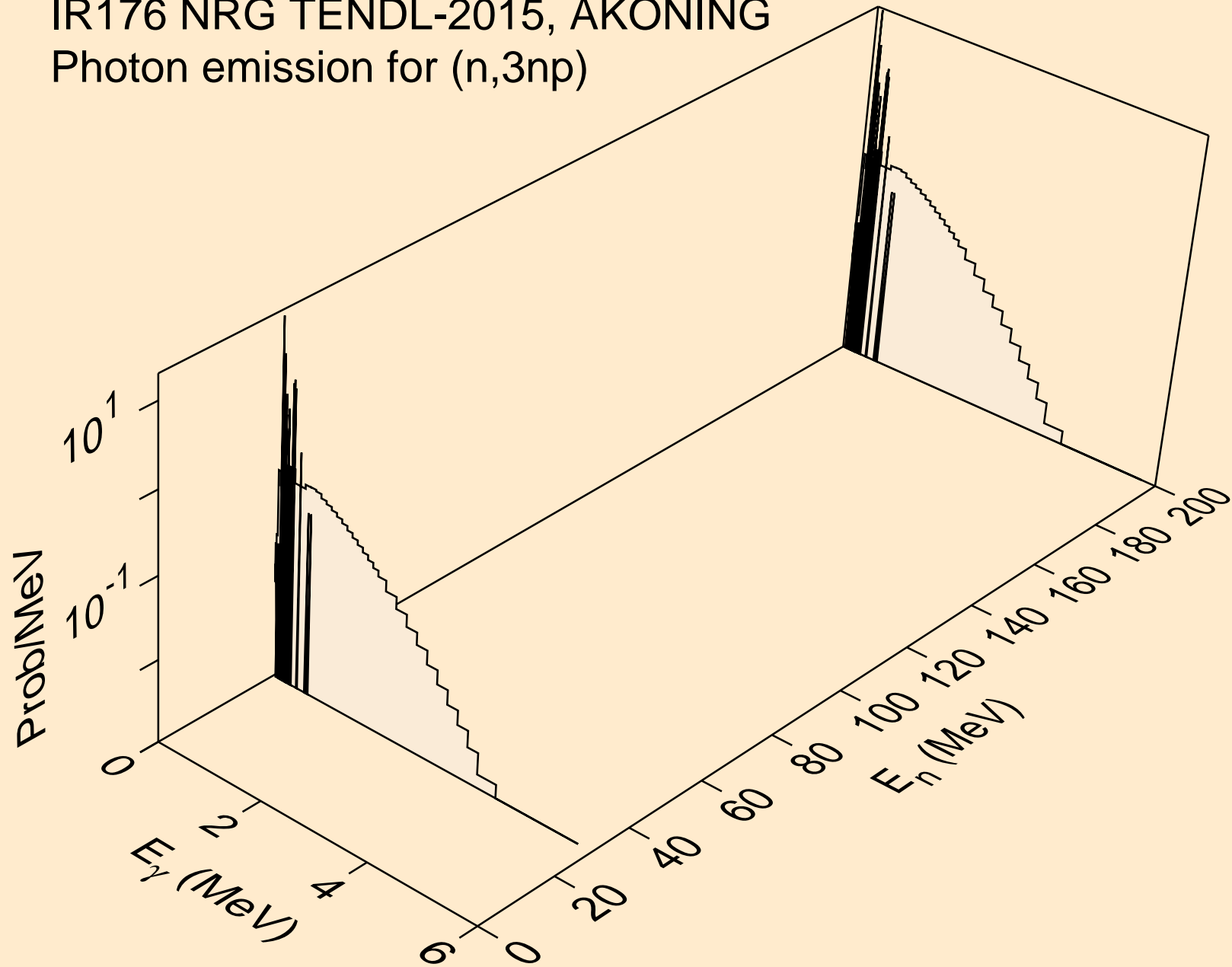


IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)

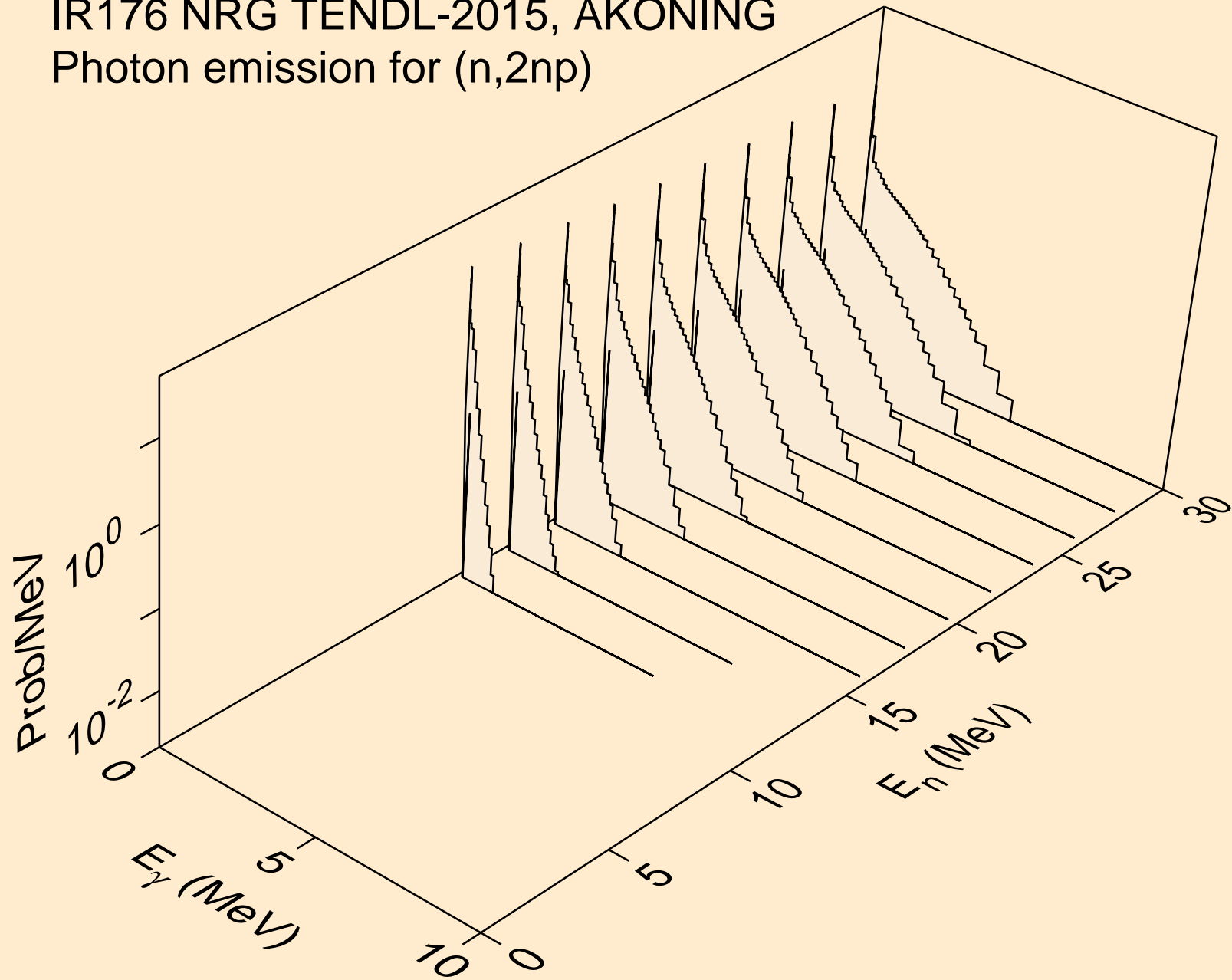




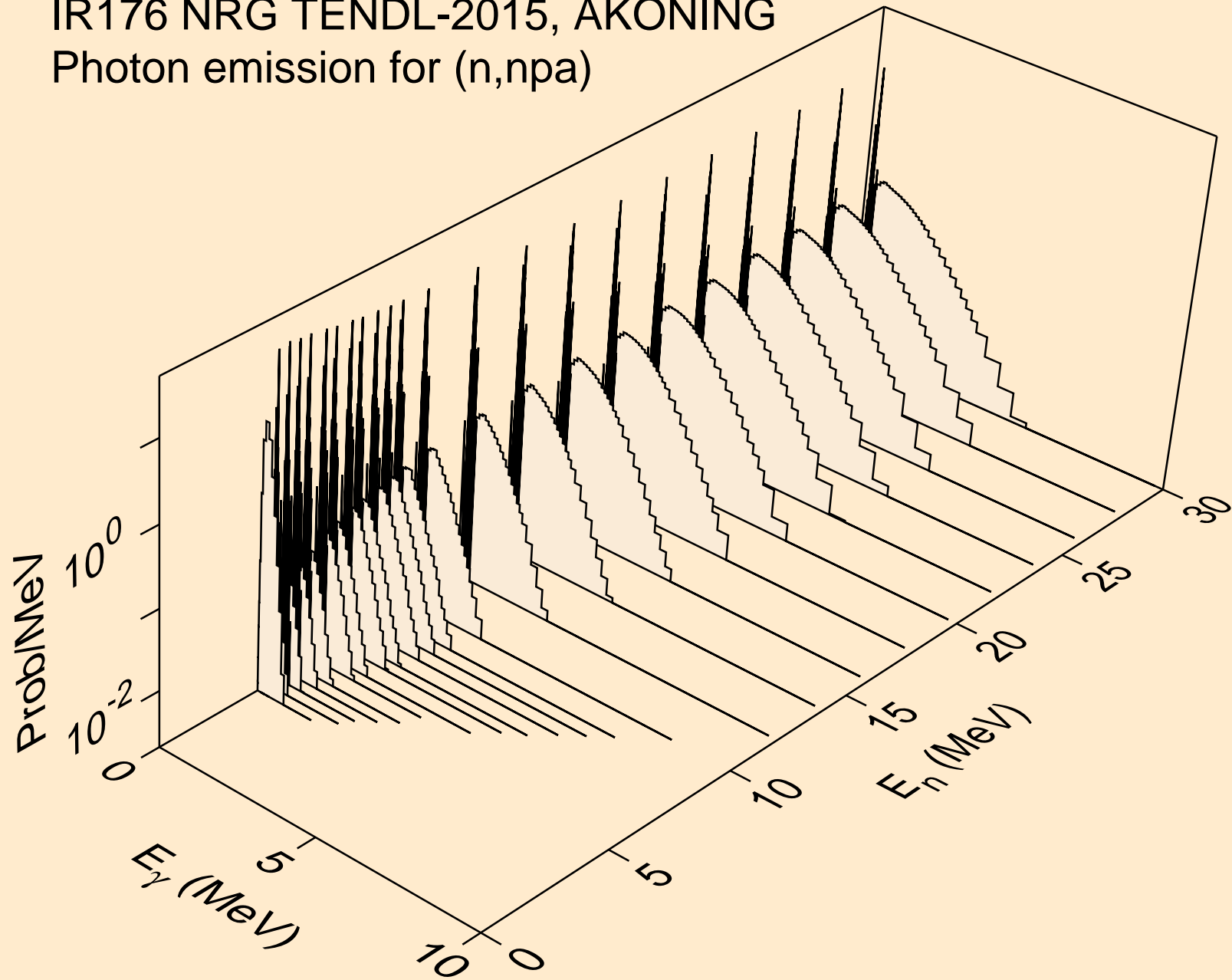
IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



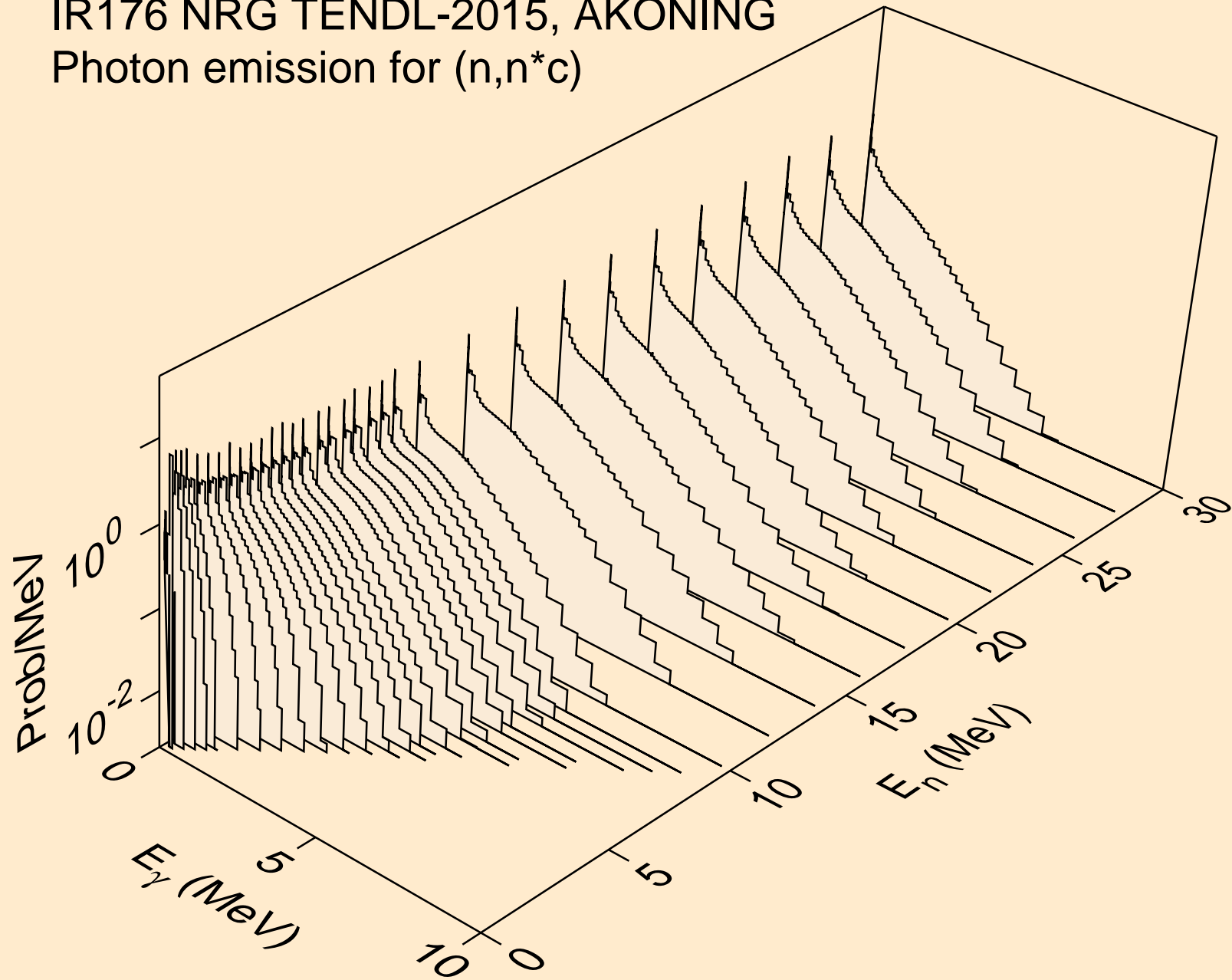
IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



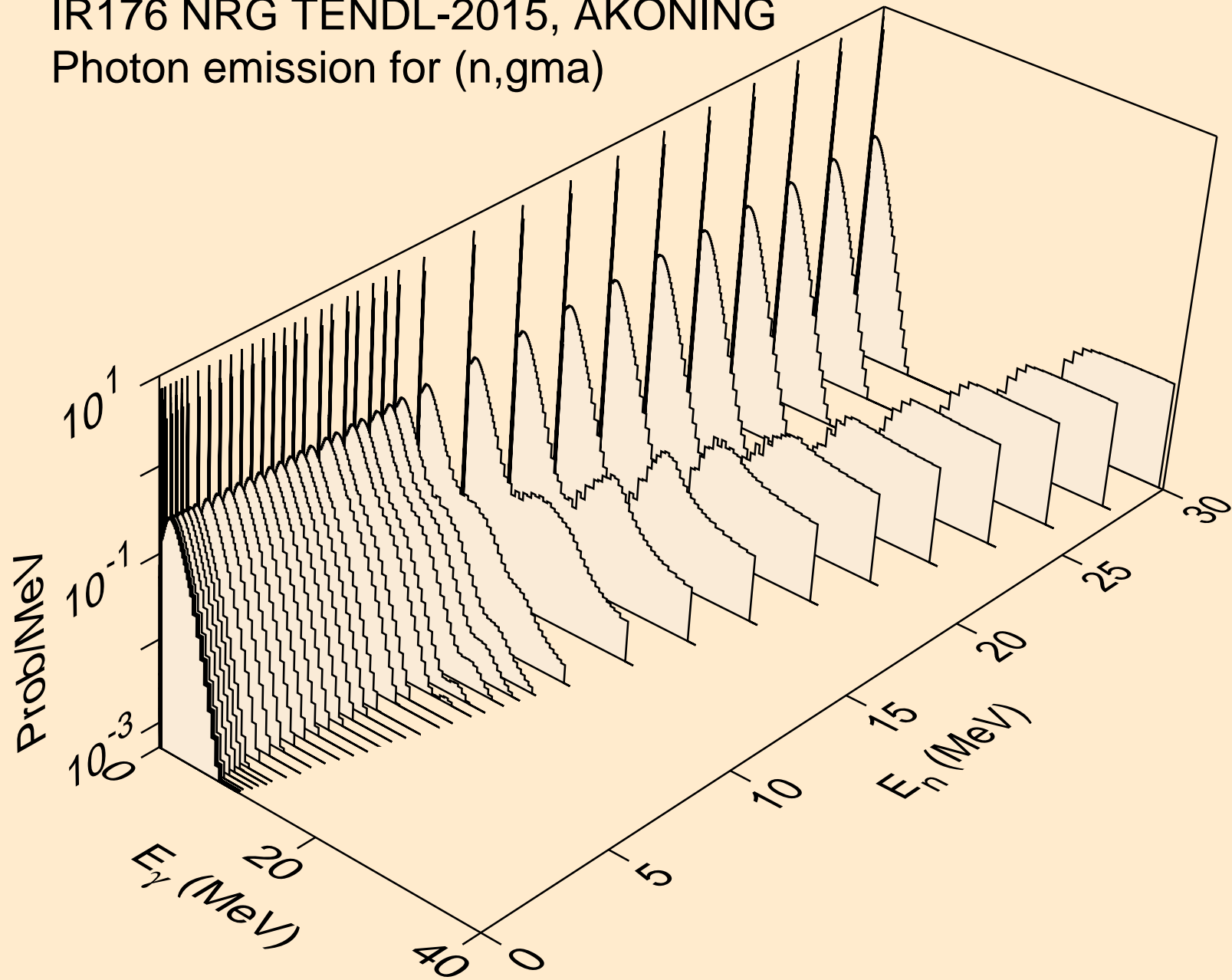
IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



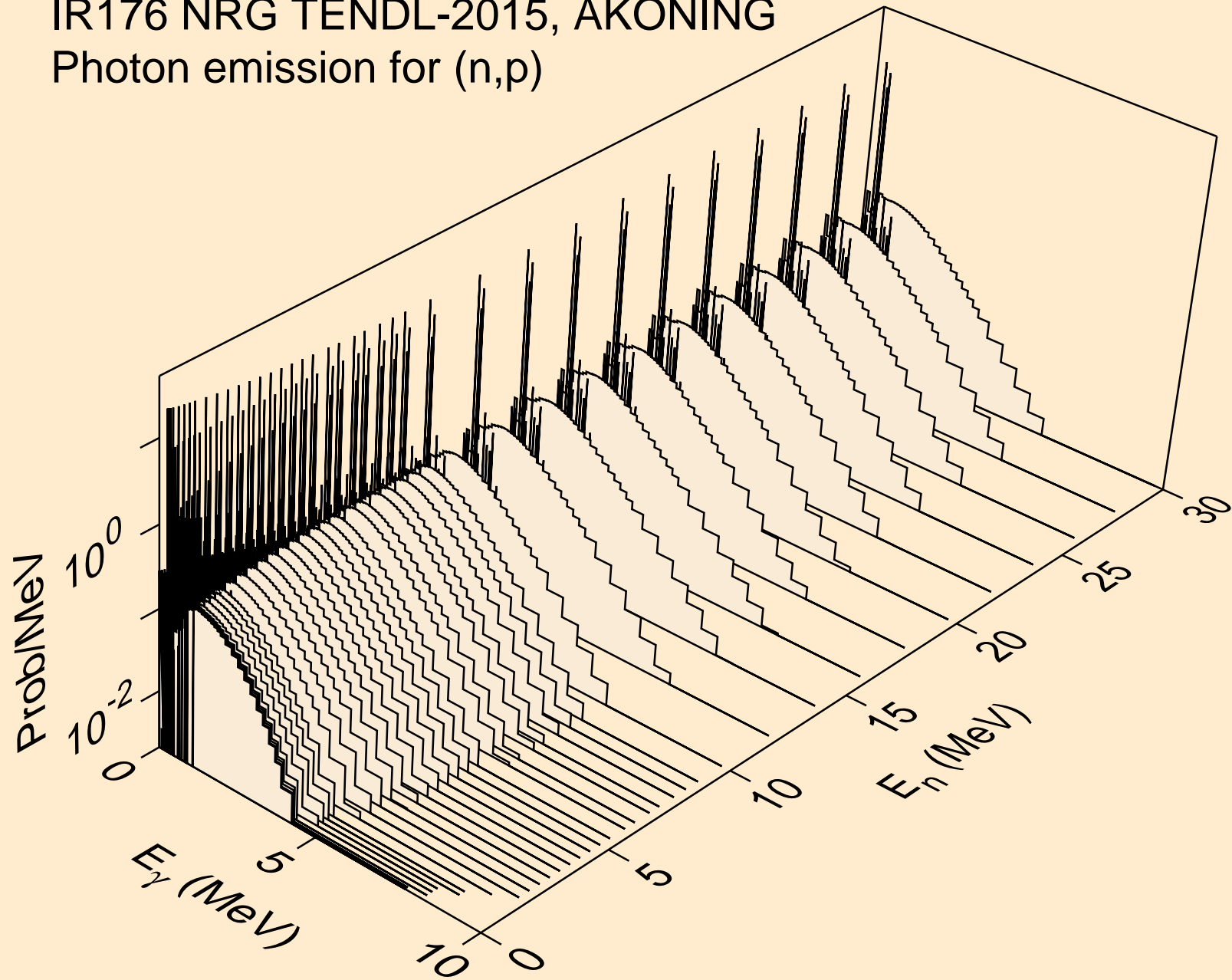
IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



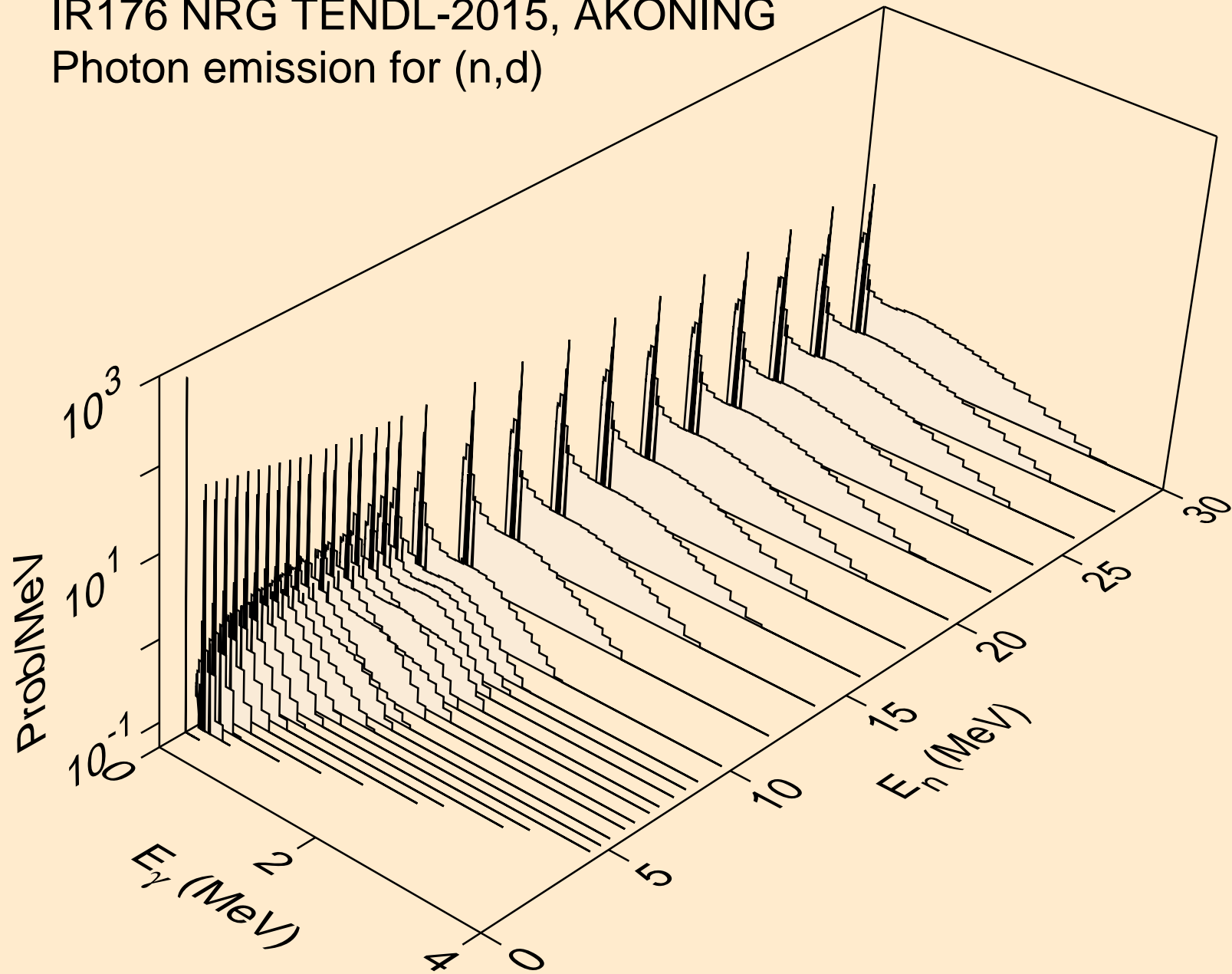
IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



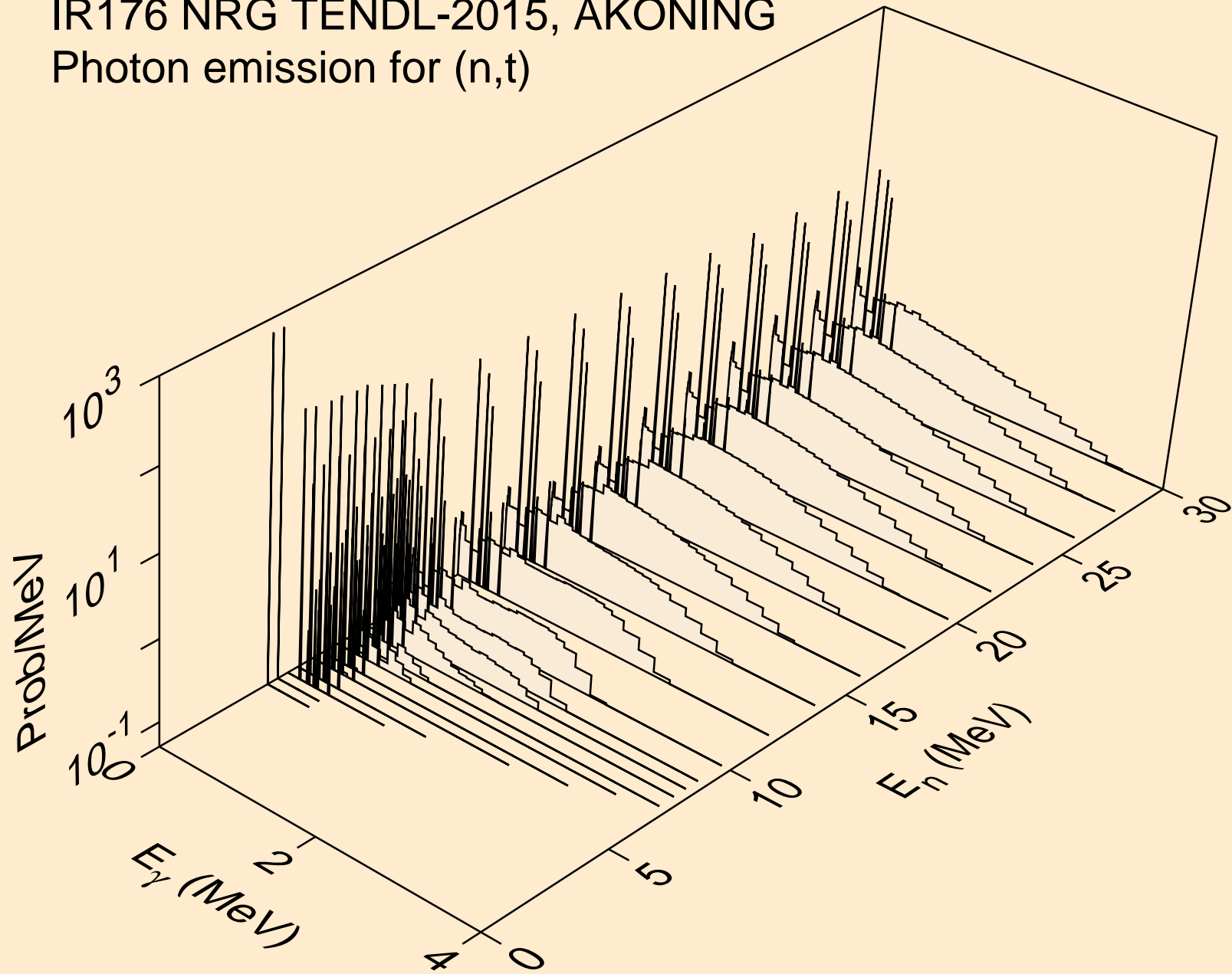
IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,d)

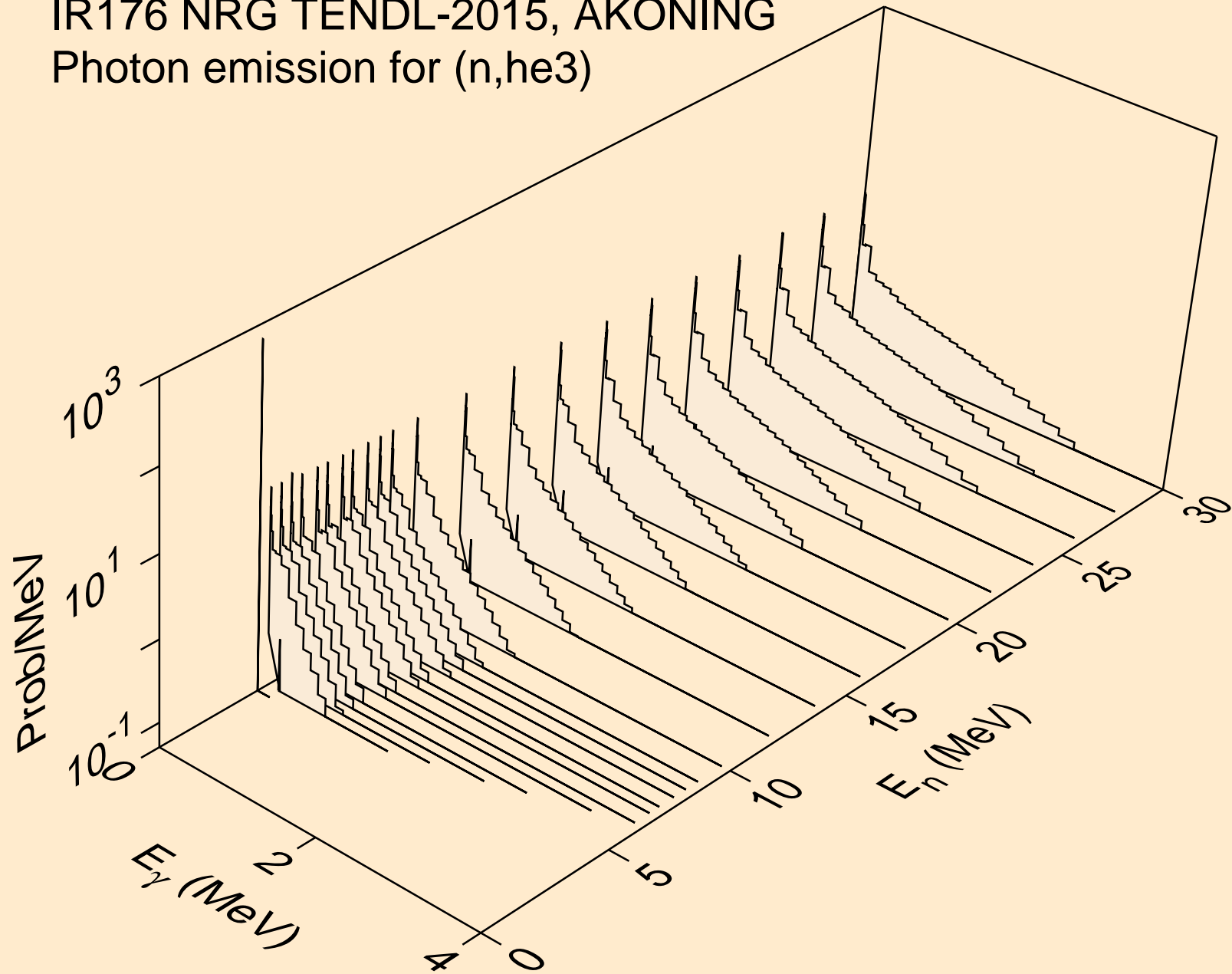


IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,t)

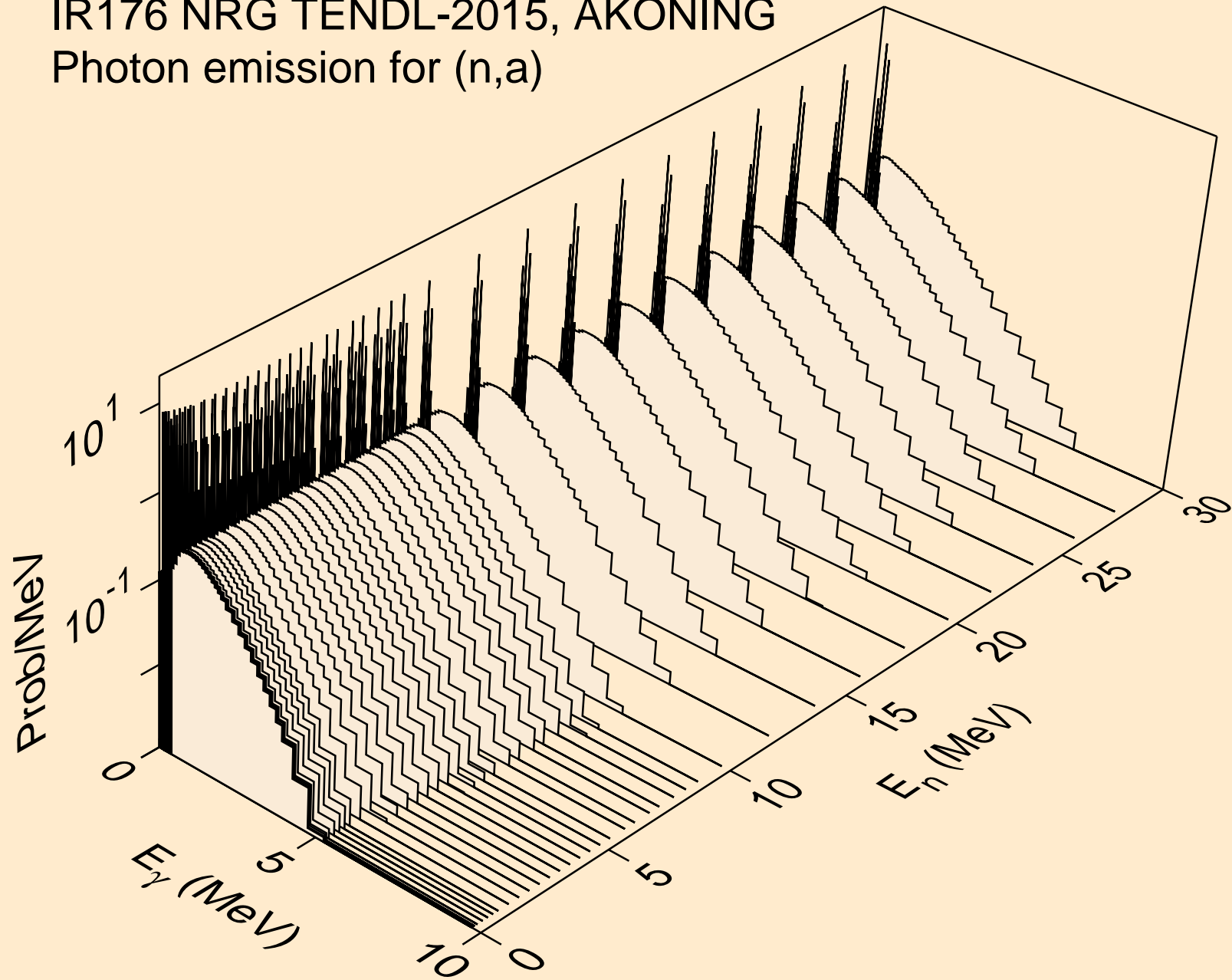




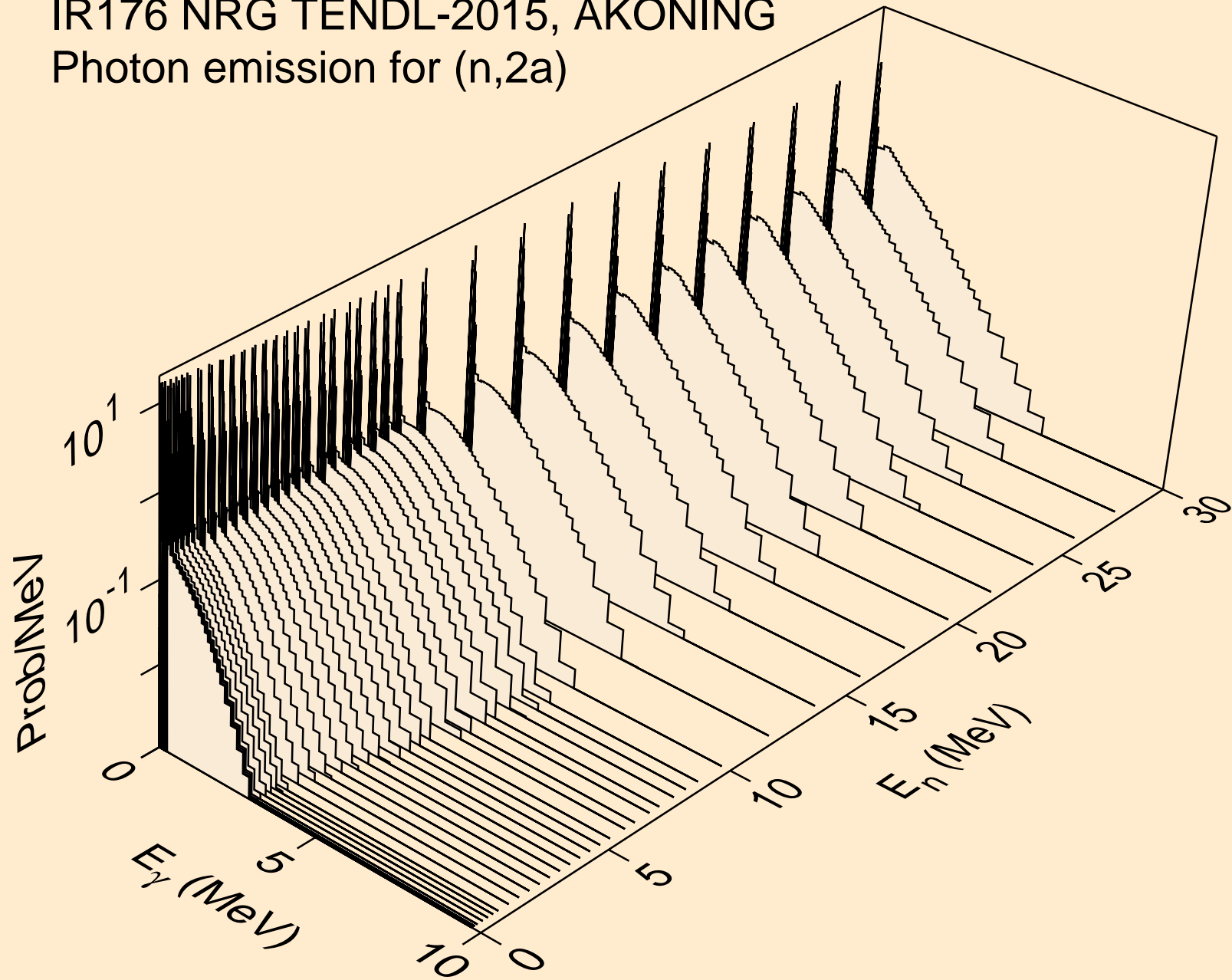
IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



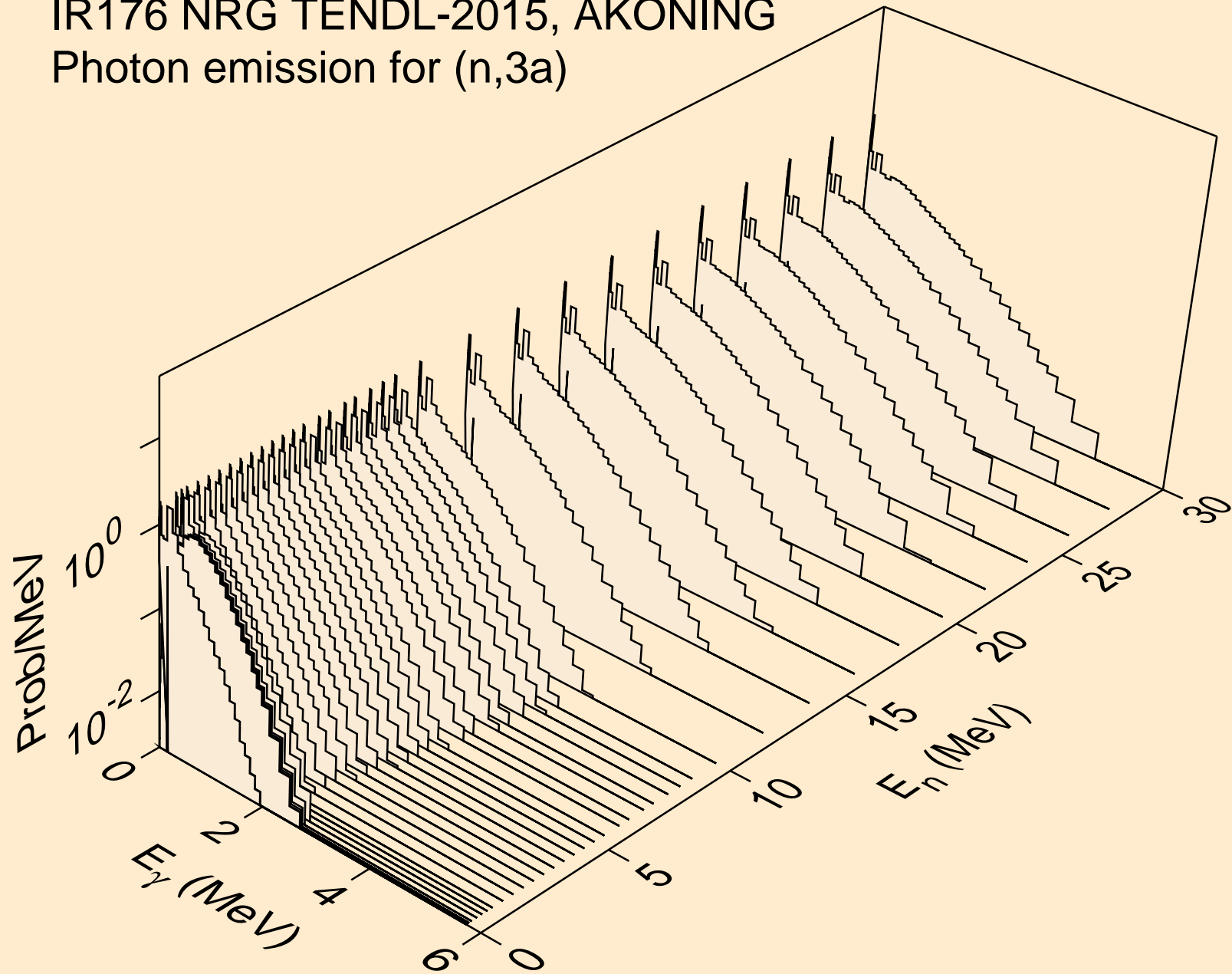
IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



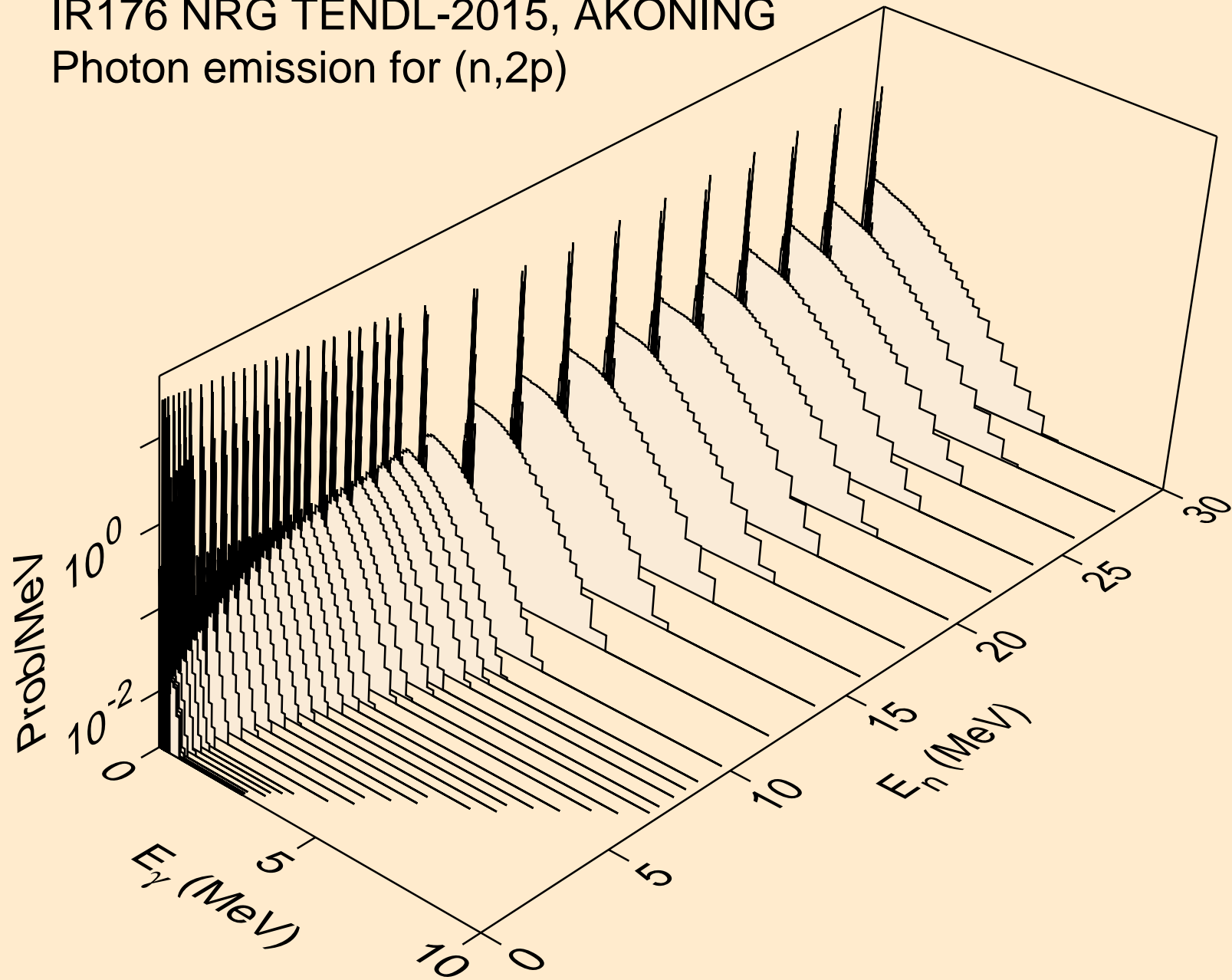
IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



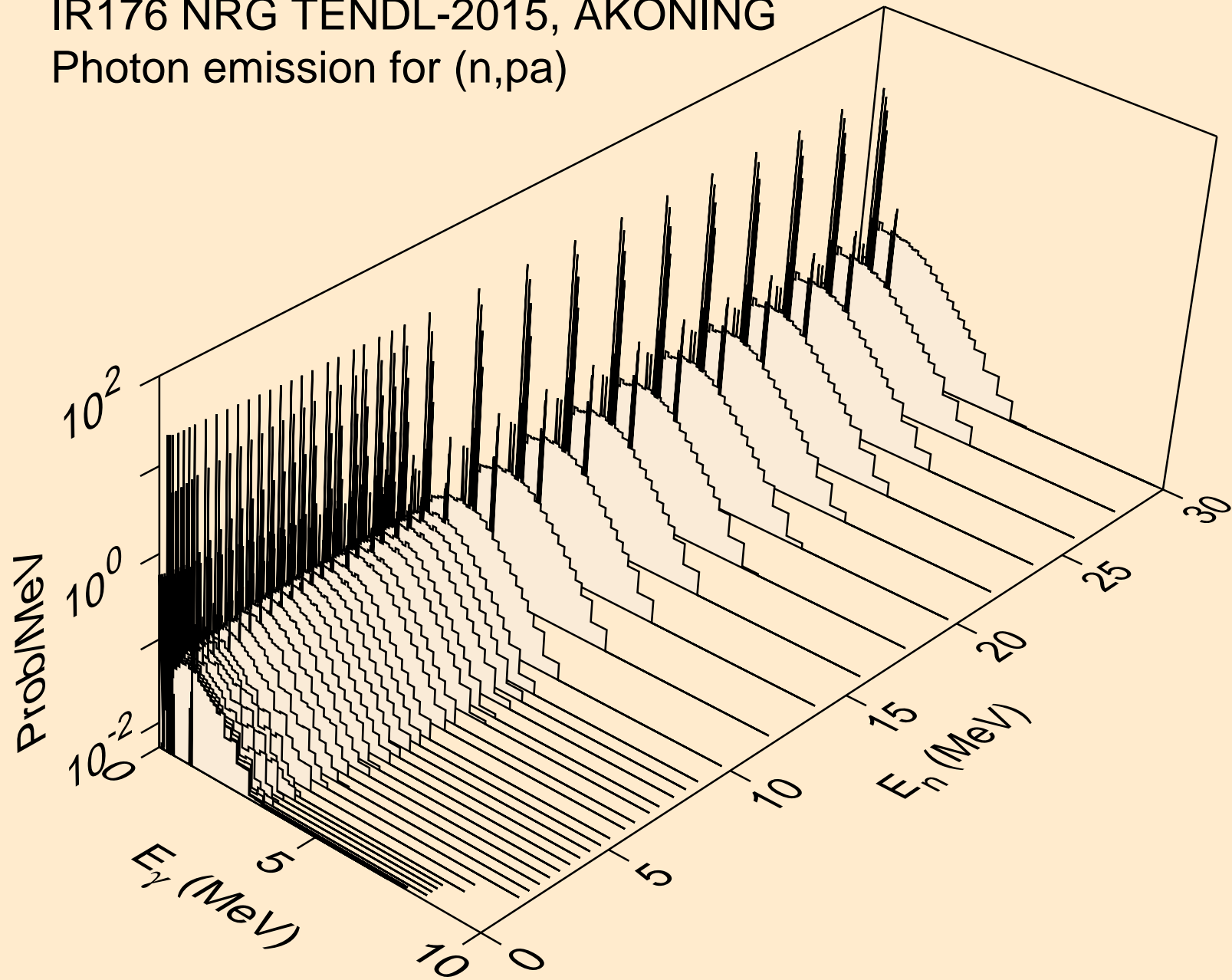
IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,3a)



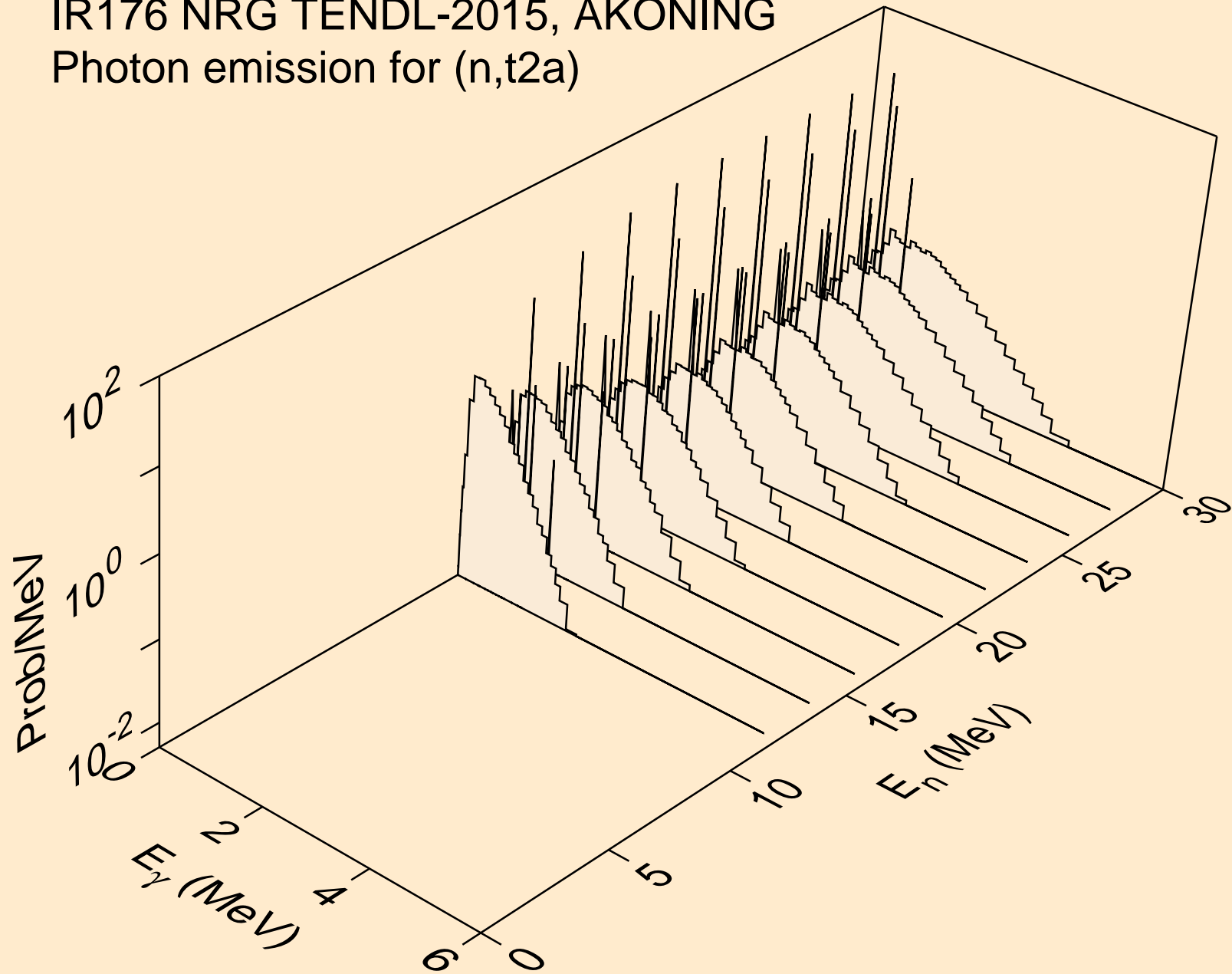
IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



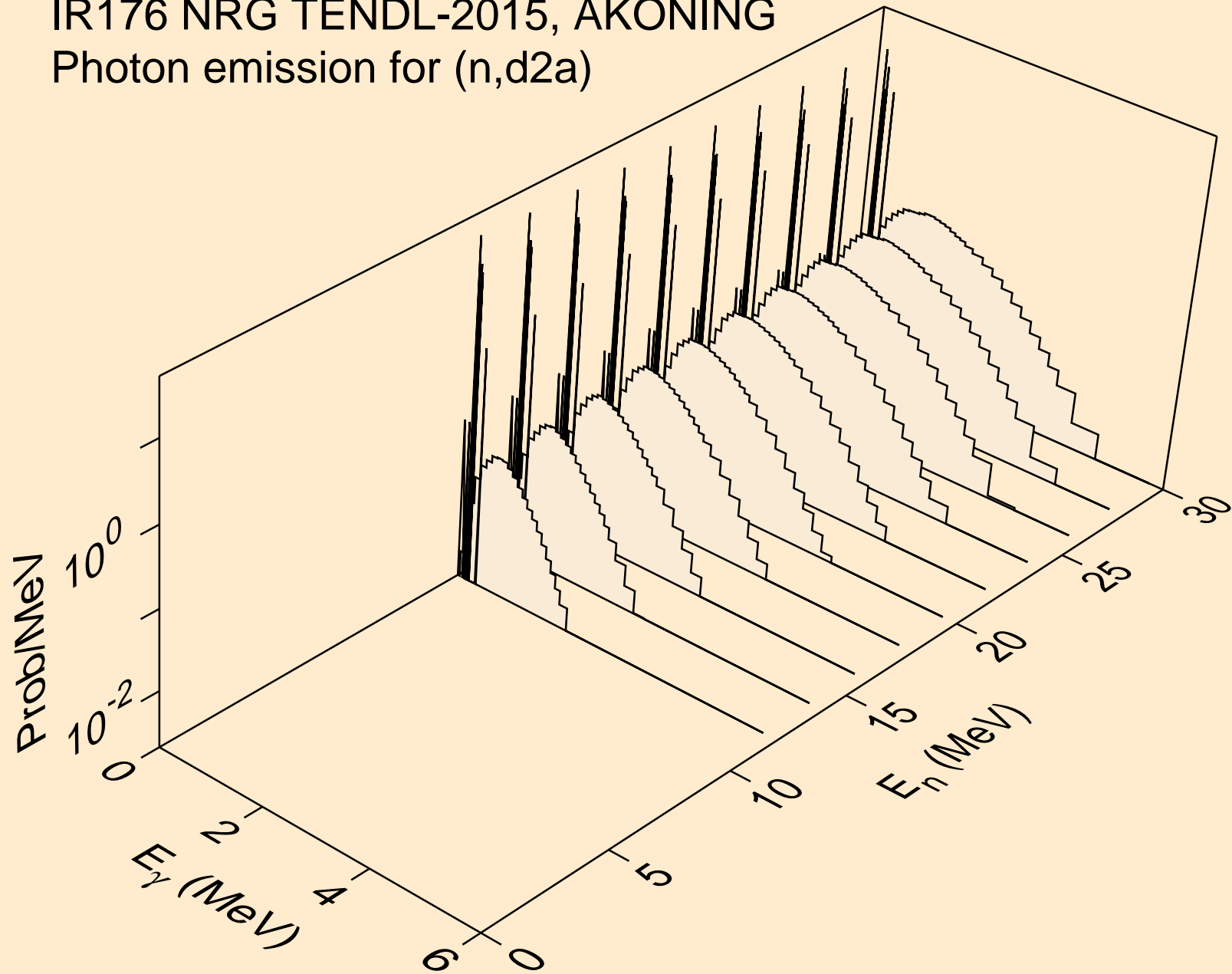
IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,pa)



IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,t2a)

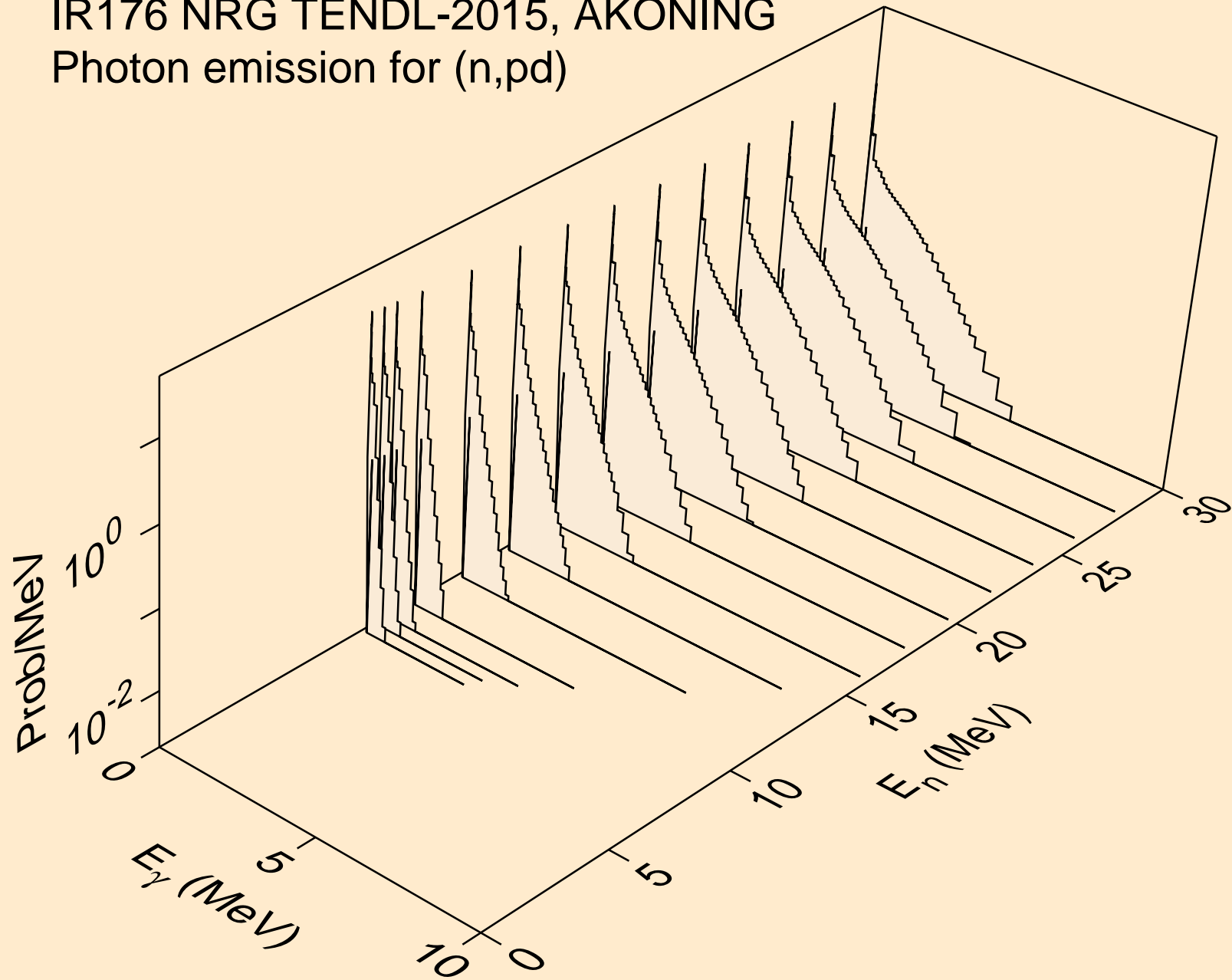


IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,d2a)

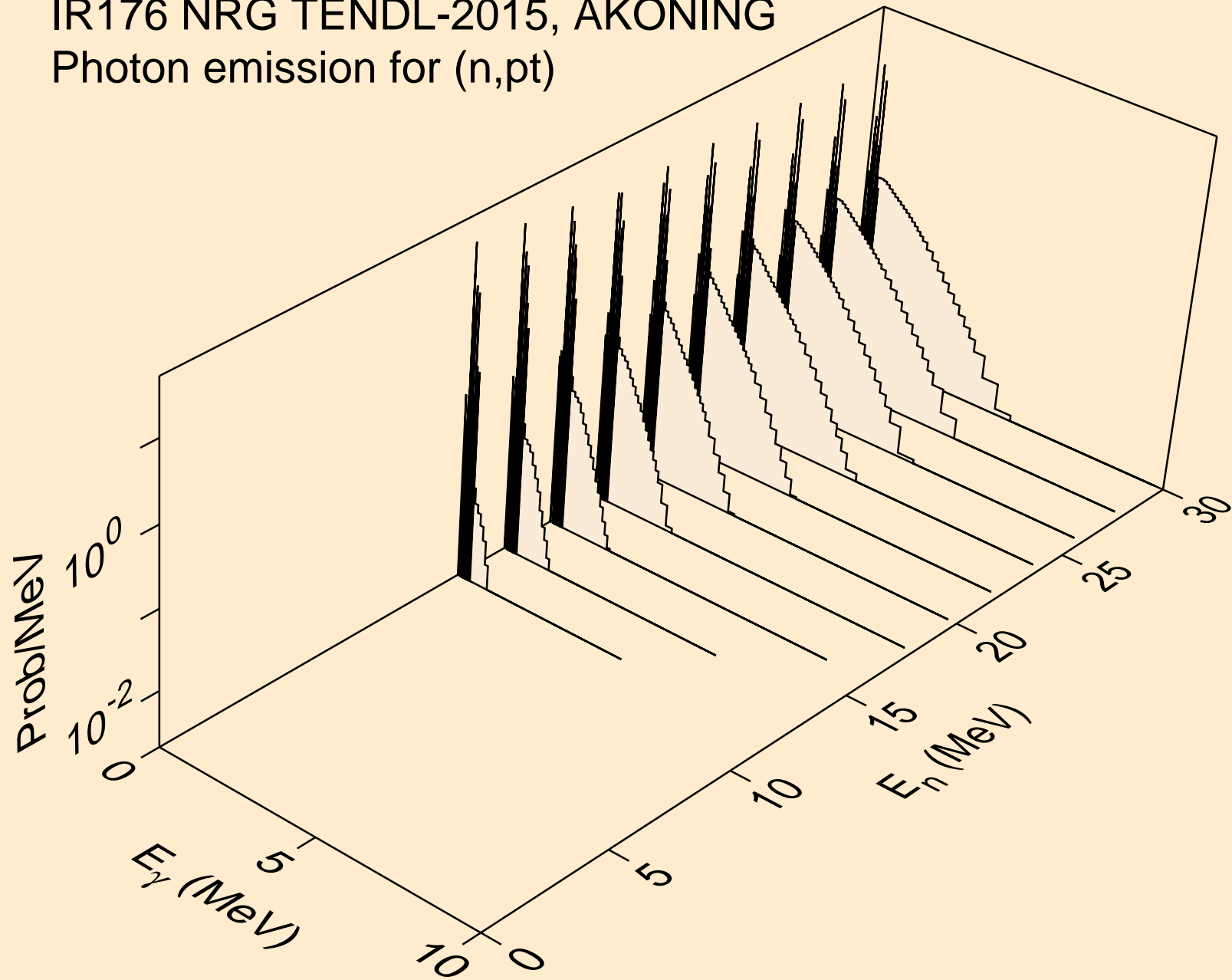




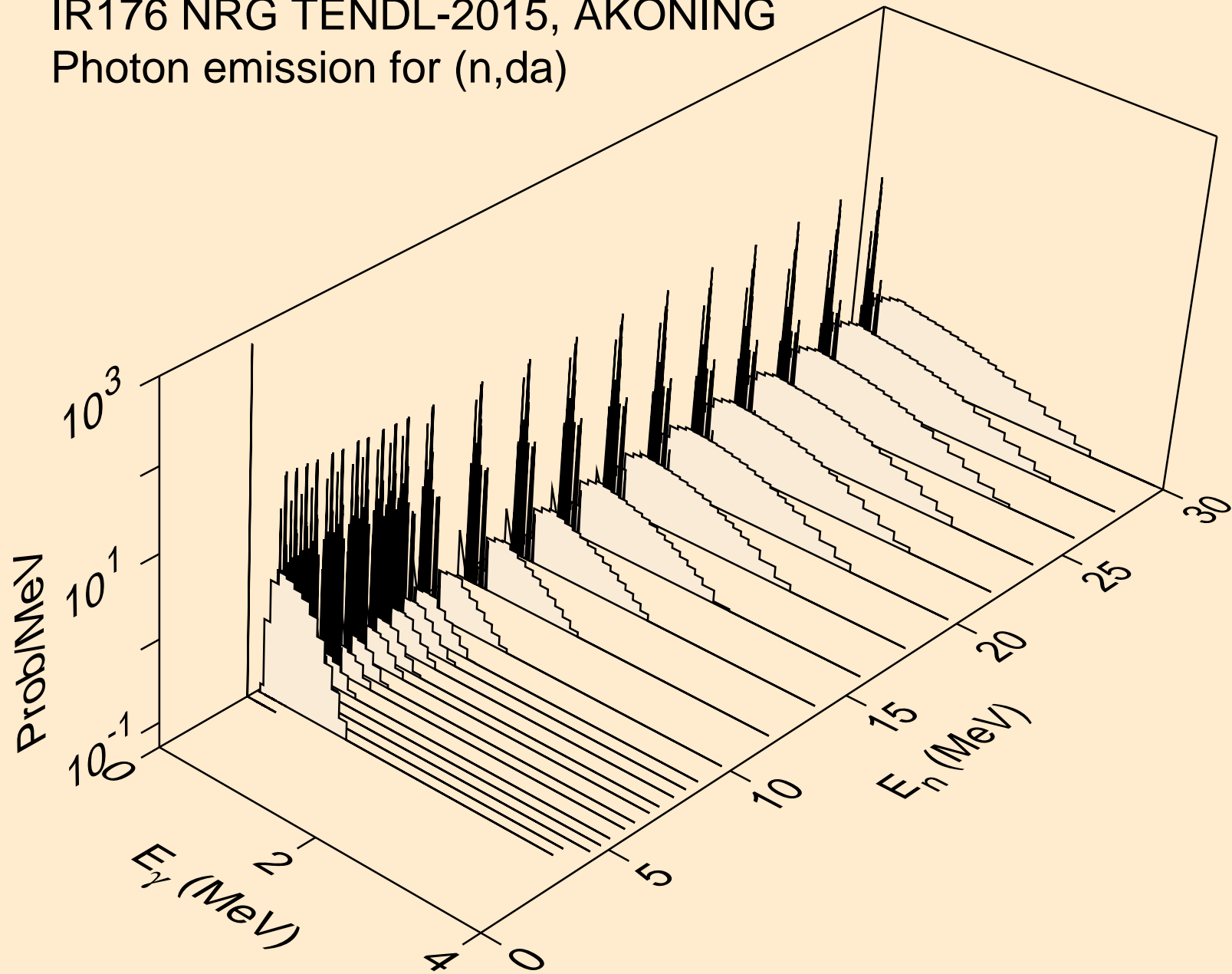
IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



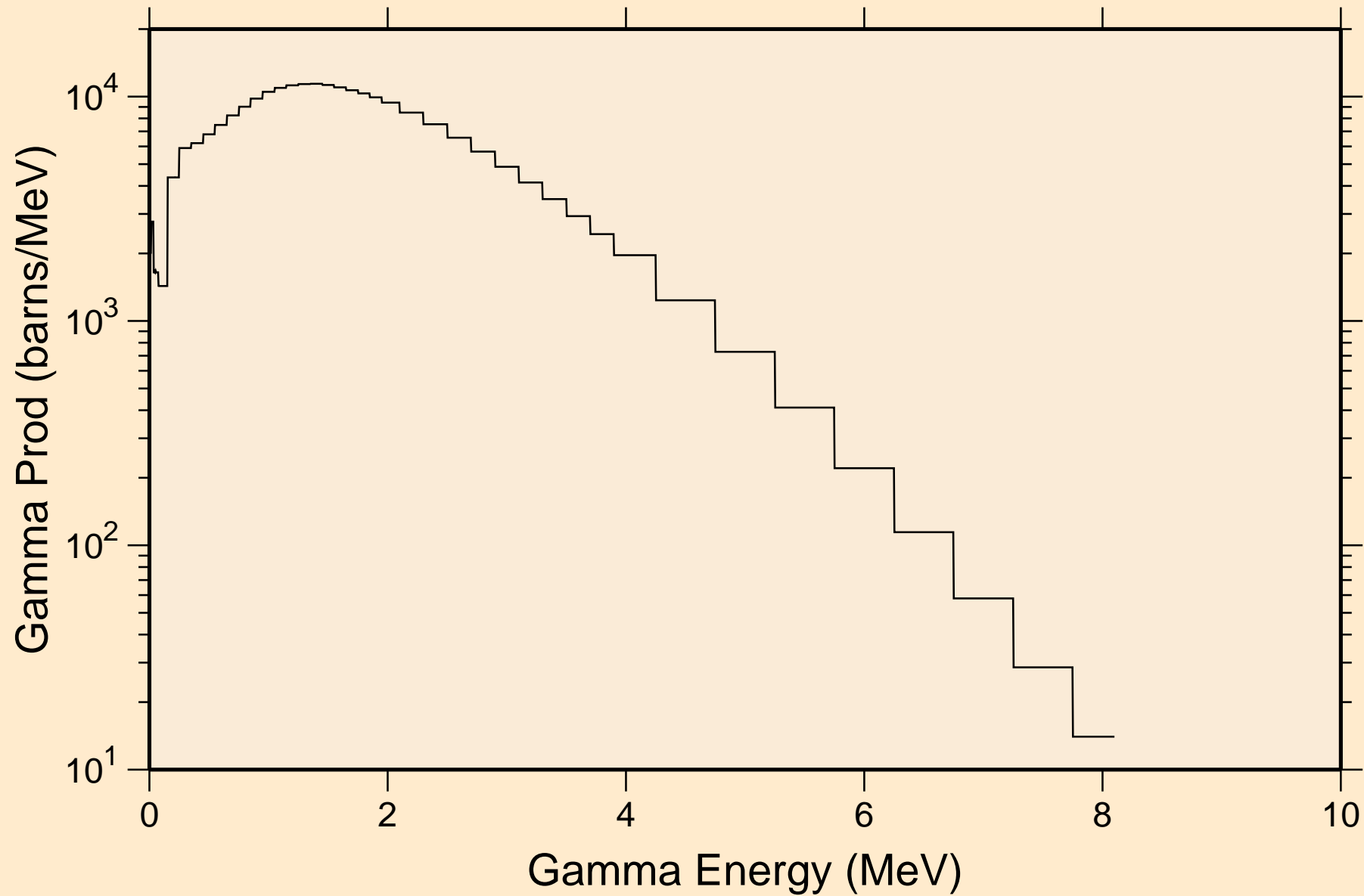
IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



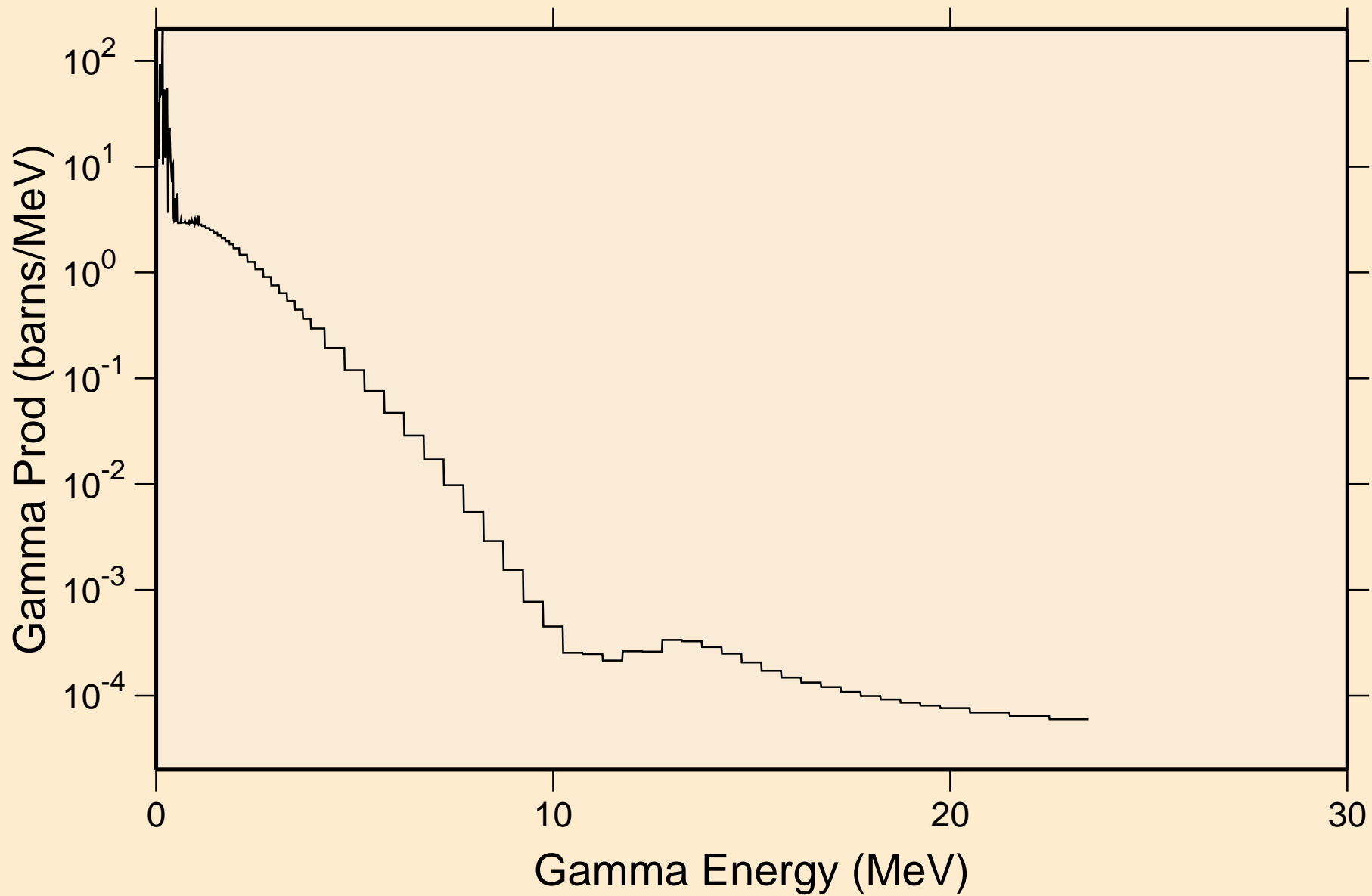
IR176 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



IR176 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

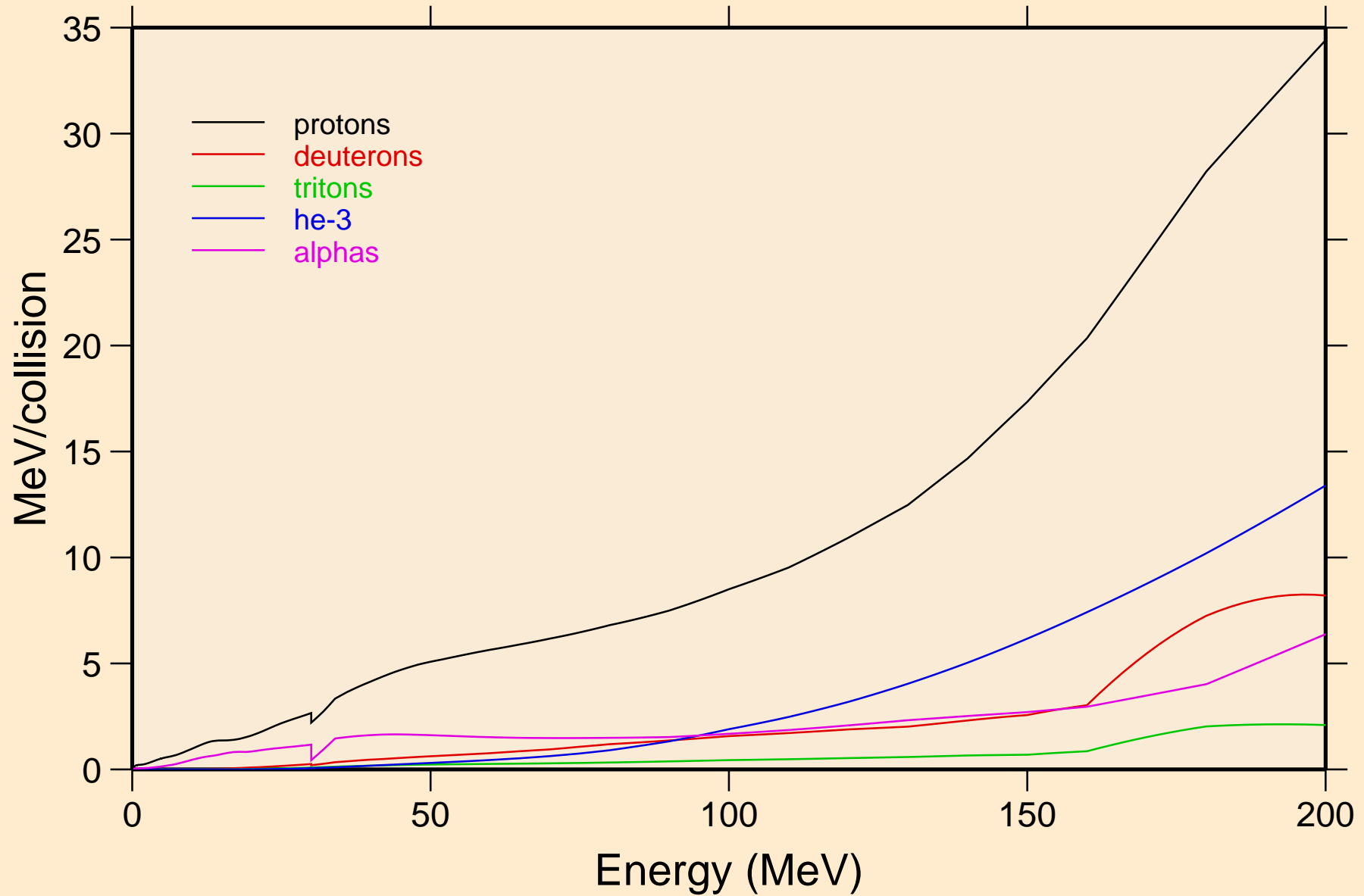


IR176 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



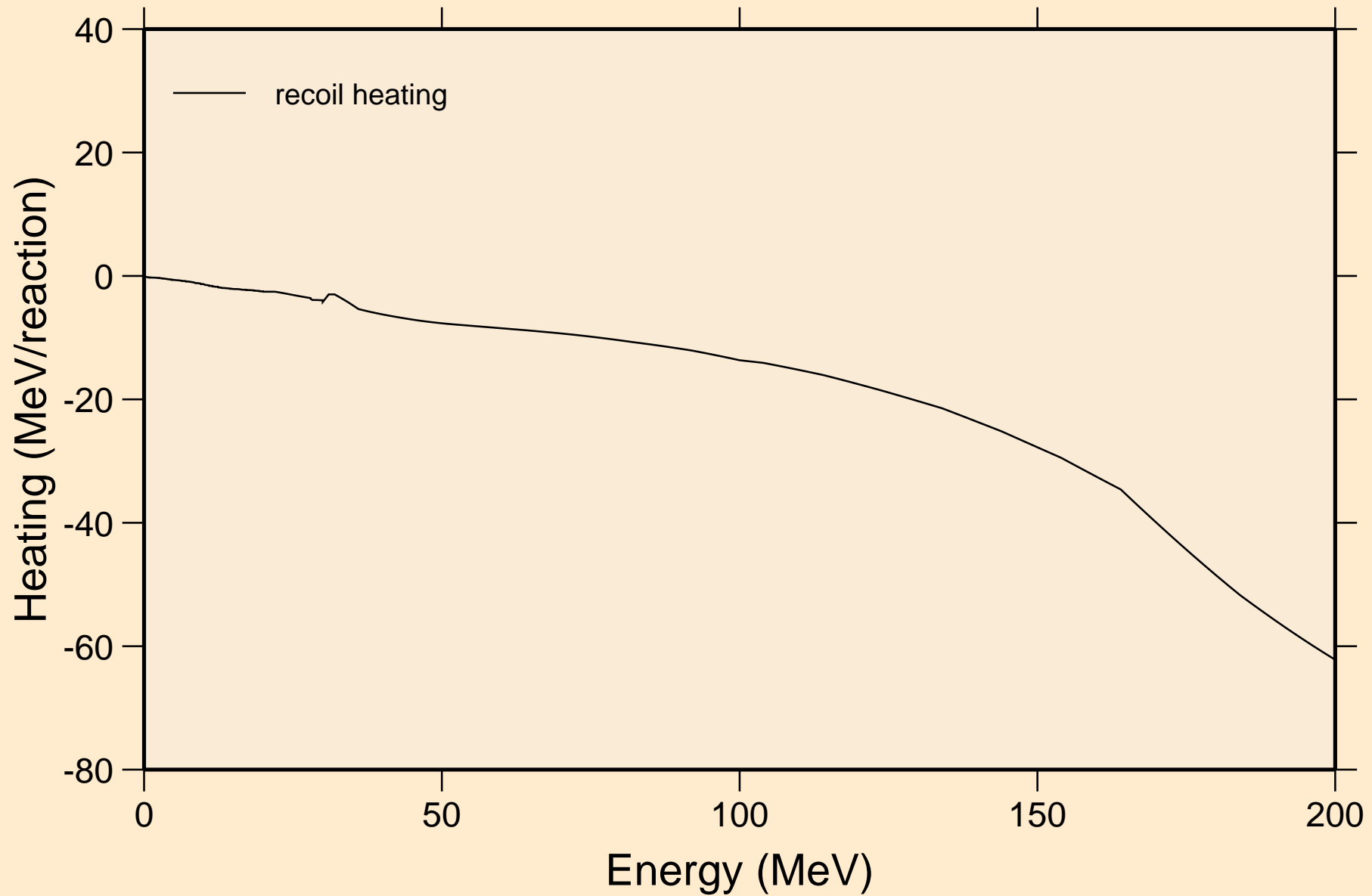
# IR176 NRG TENDL-2015, AKONING

## Particle heating contributions



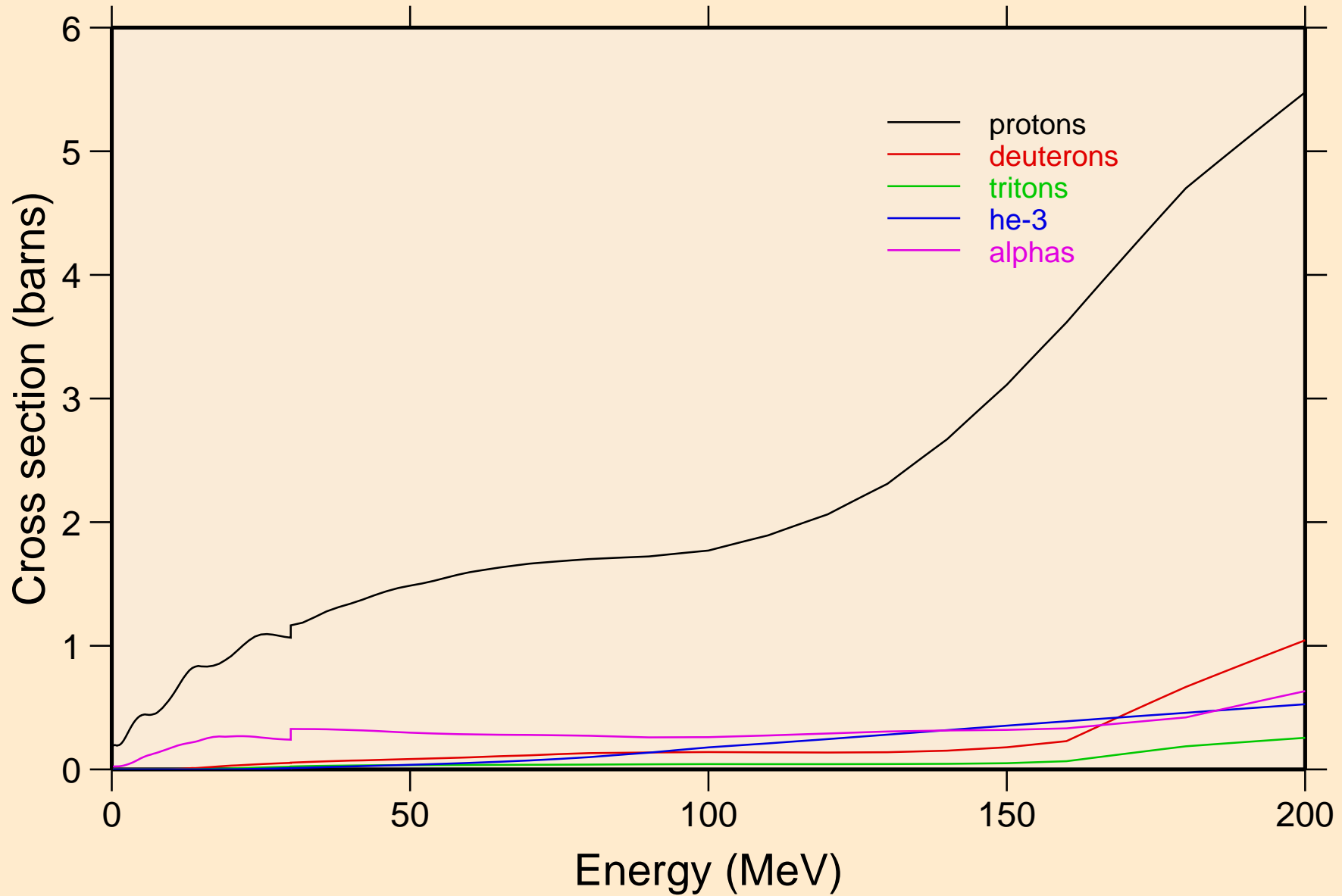
# IR176 NRG TENDL-2015, AKONING

## Recoil Heating



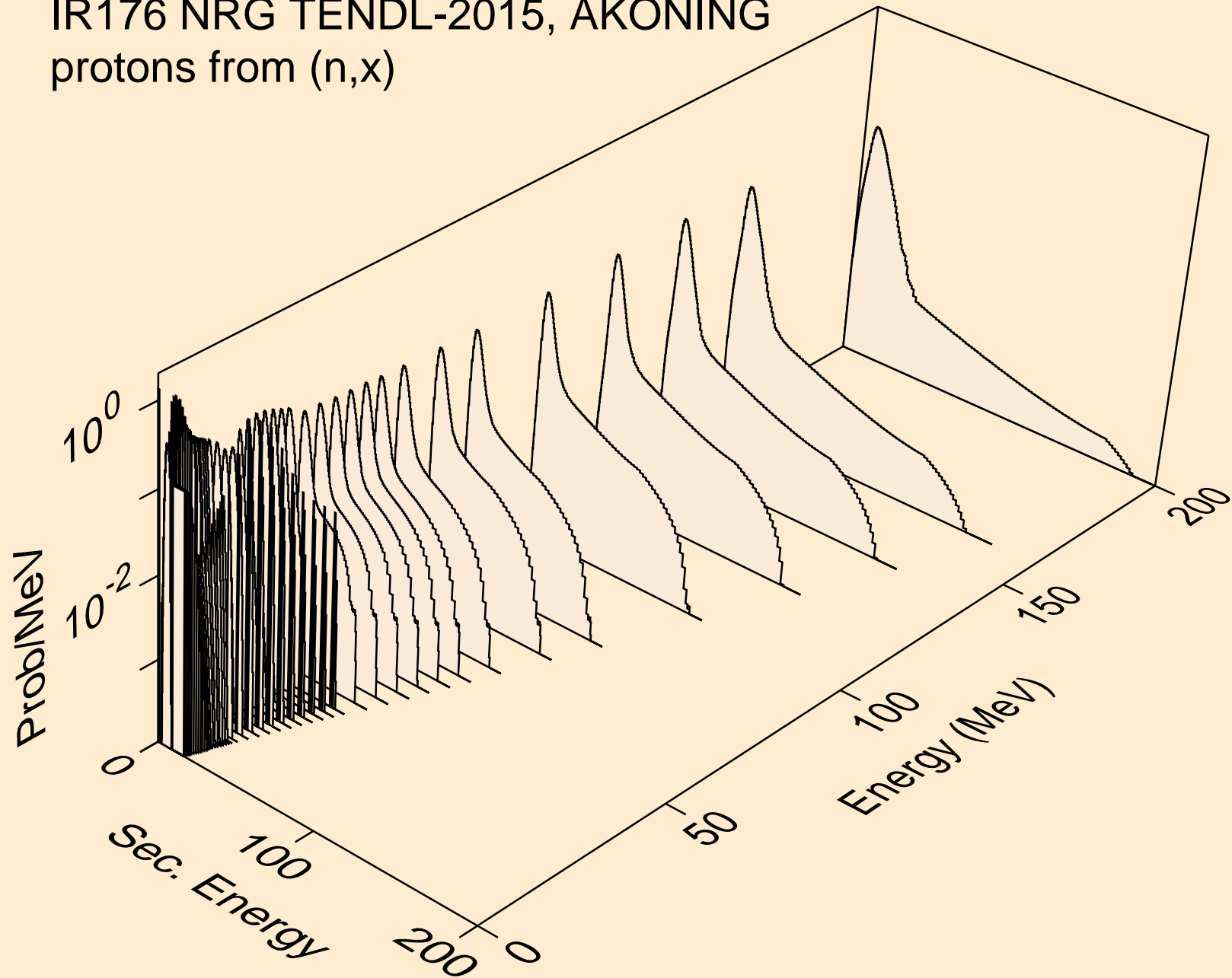
# IR176 NRG TENDL-2015, AKONING

## Particle production cross sections

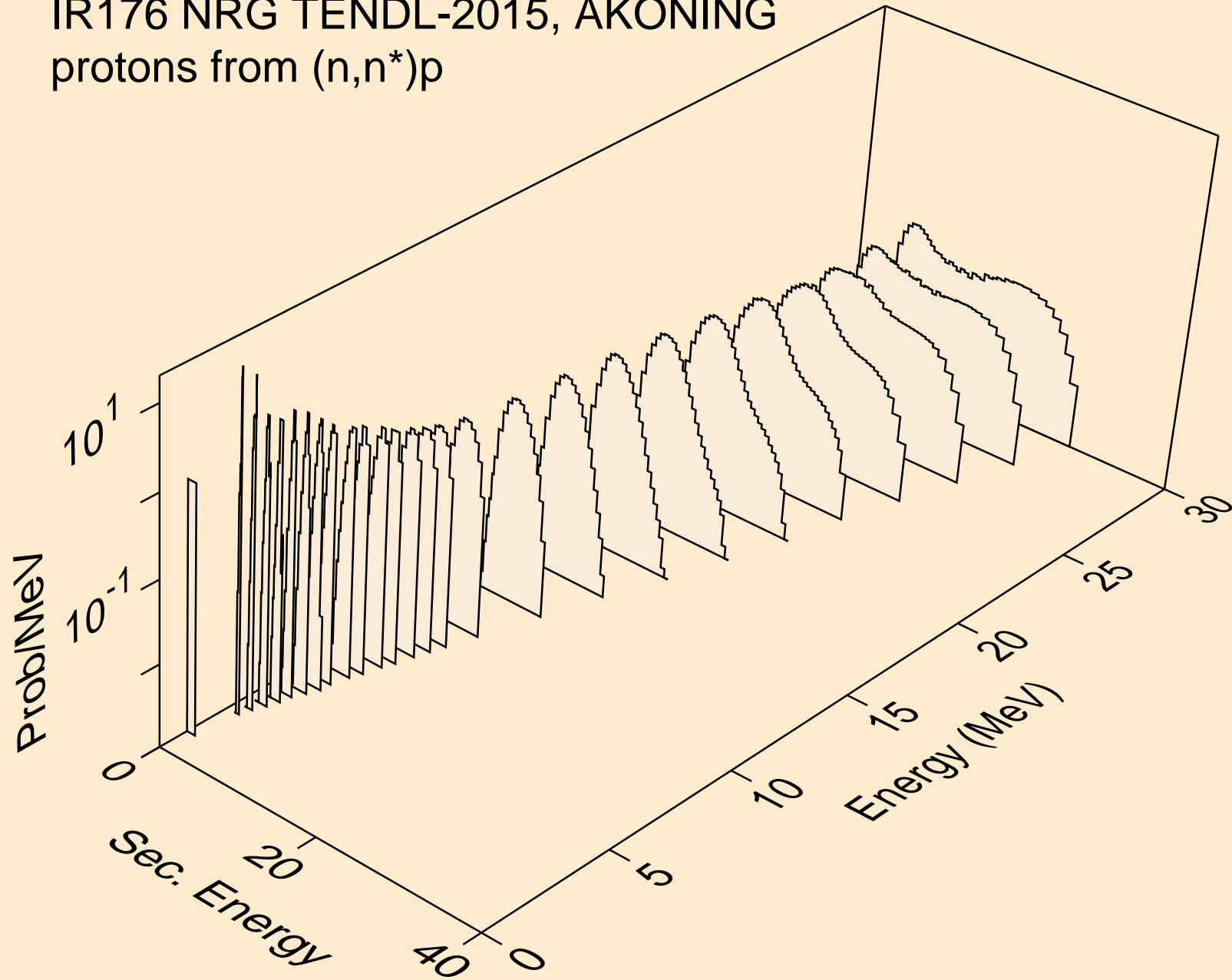




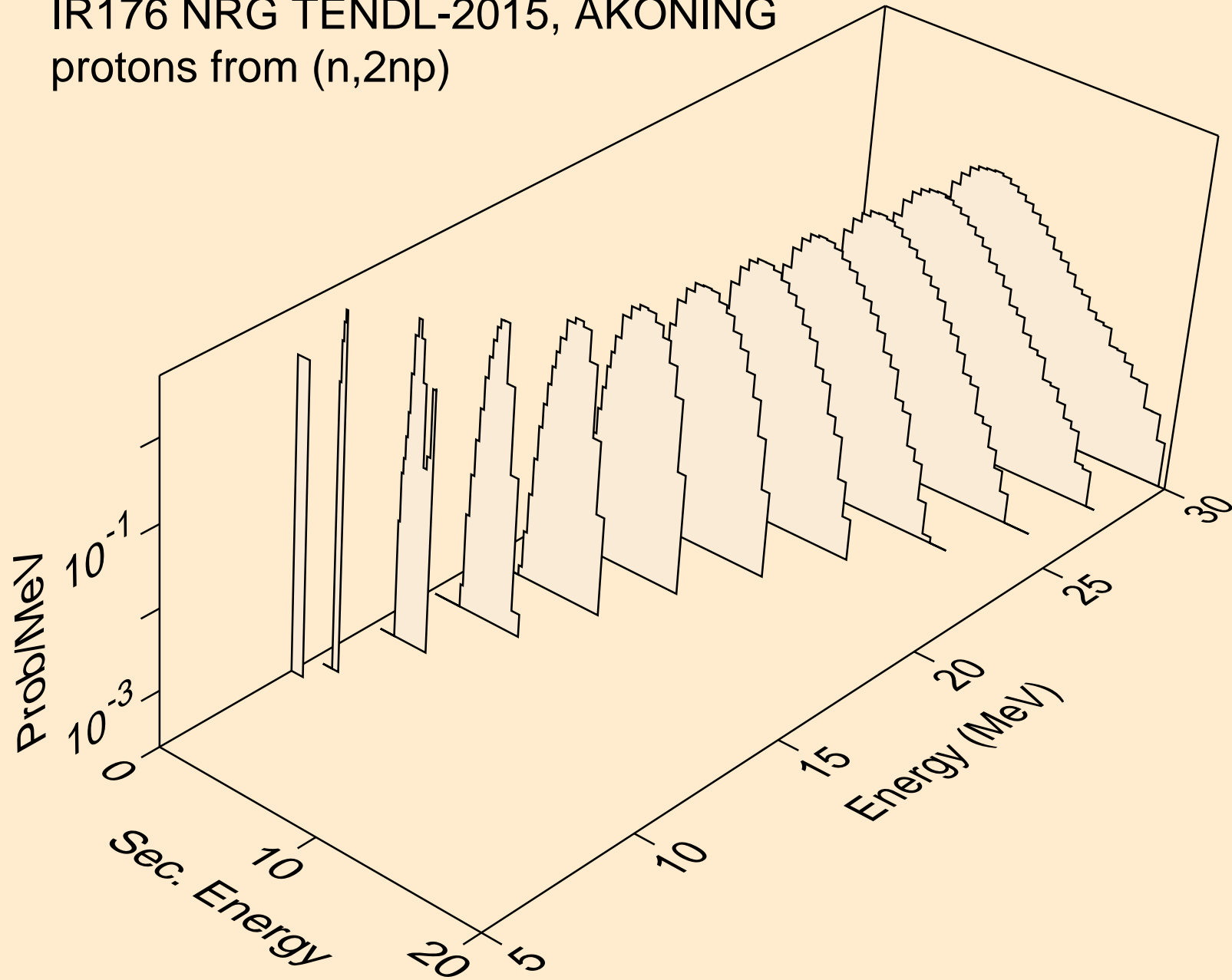
IR176 NRG TENDL-2015, AKONING  
protons from (n,x)



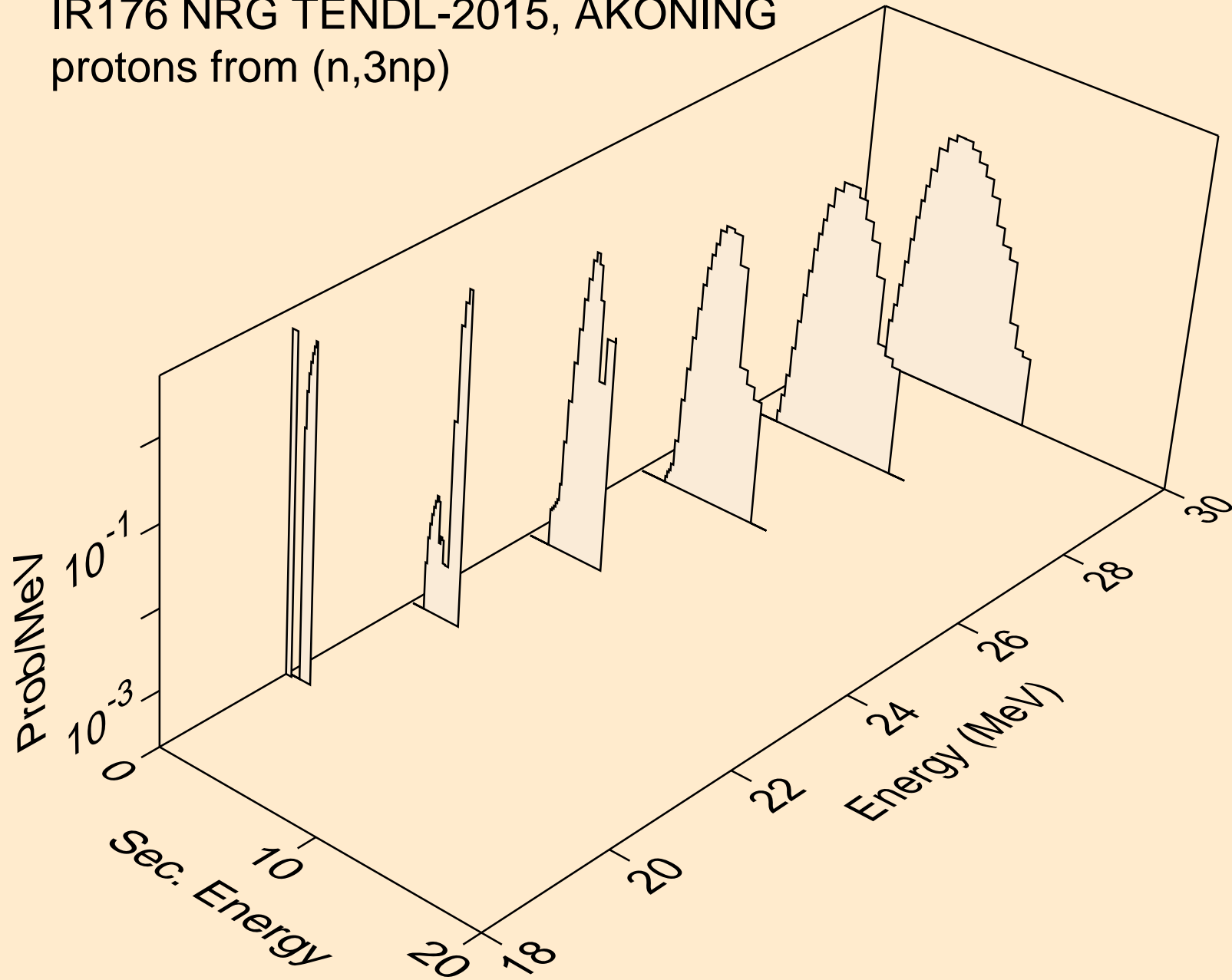
IR176 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



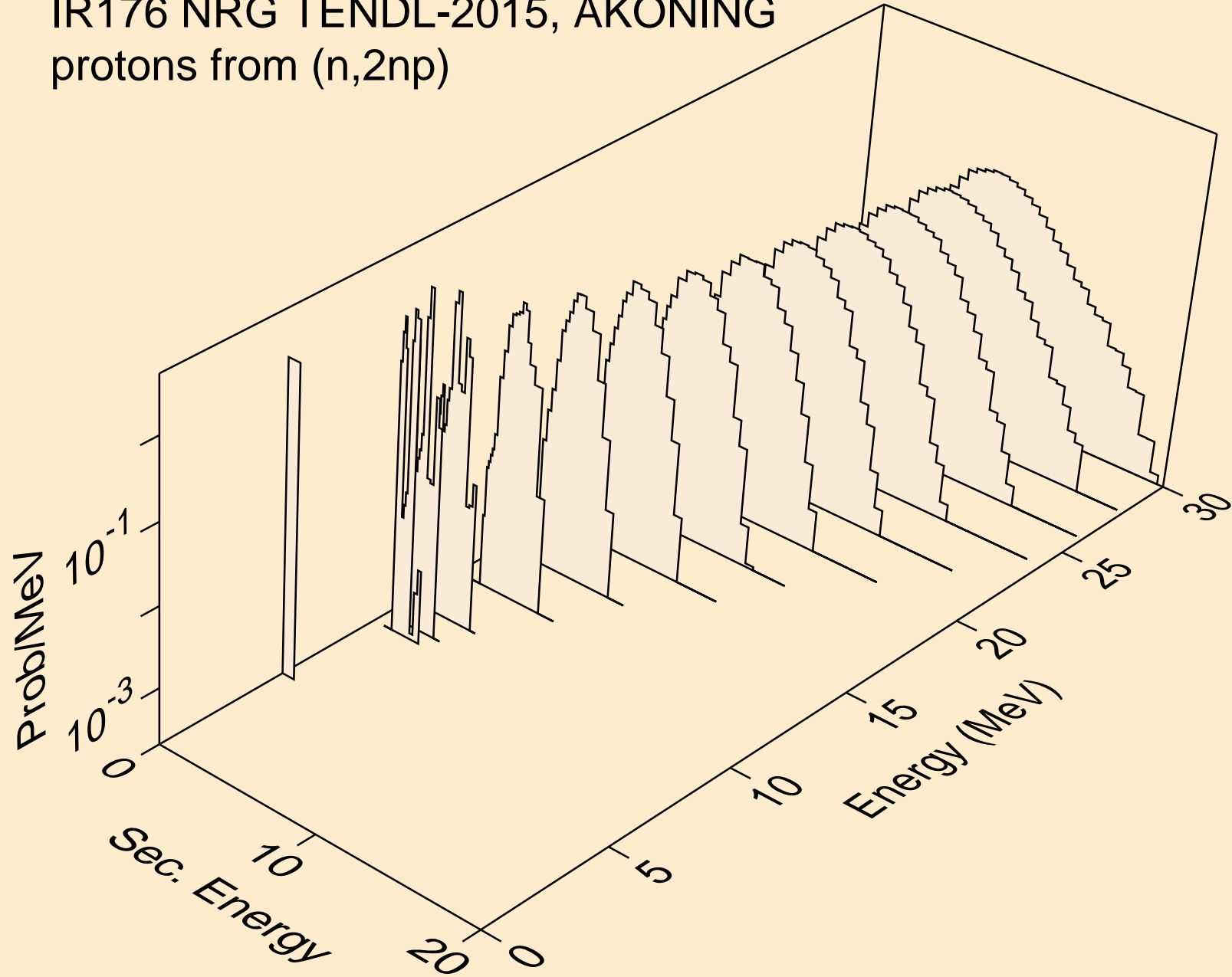
IR176 NRG TENDL-2015, AKONING  
protons from (n,2np)



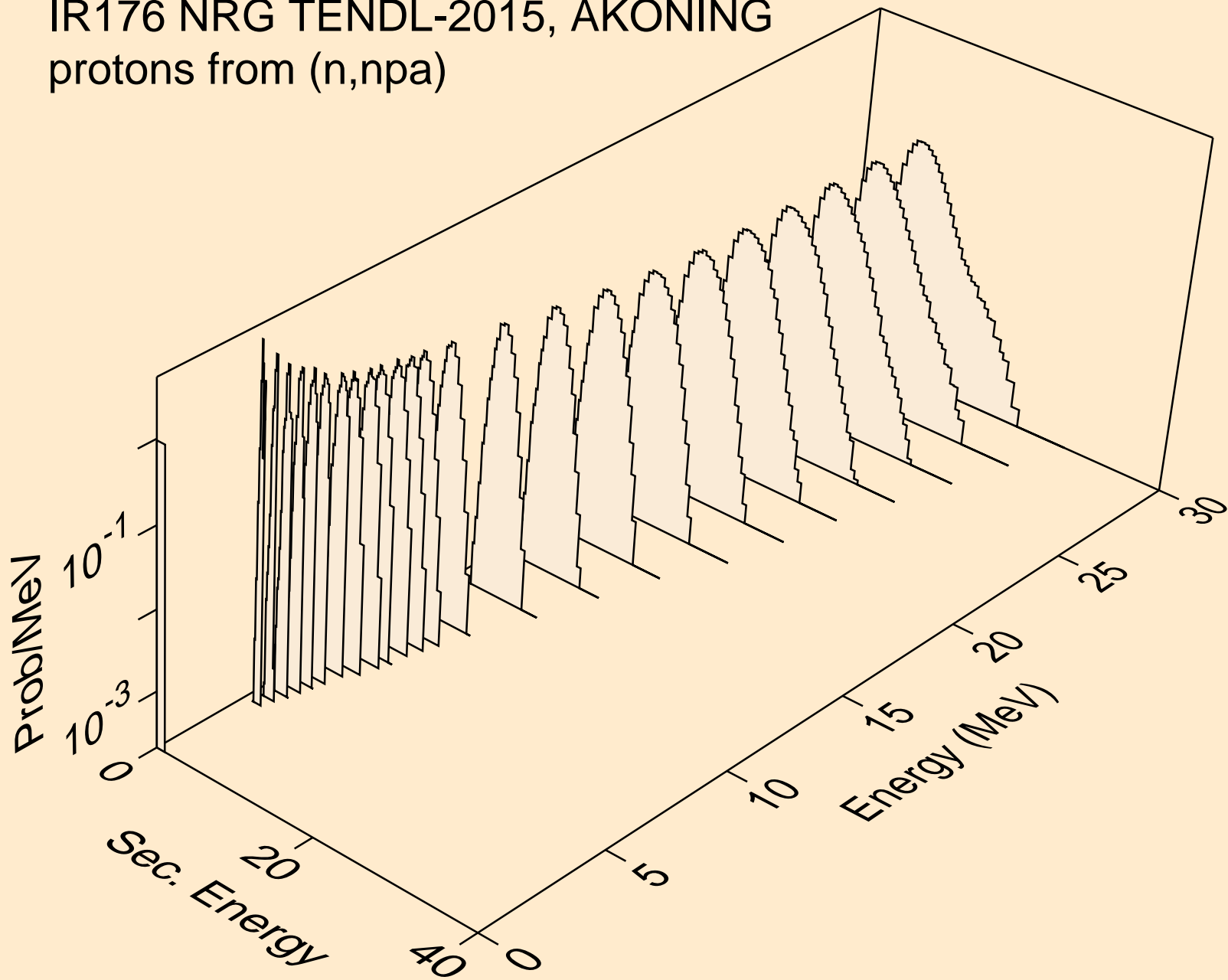
IR176 NRG TENDL-2015, AKONING  
protons from (n,3np)



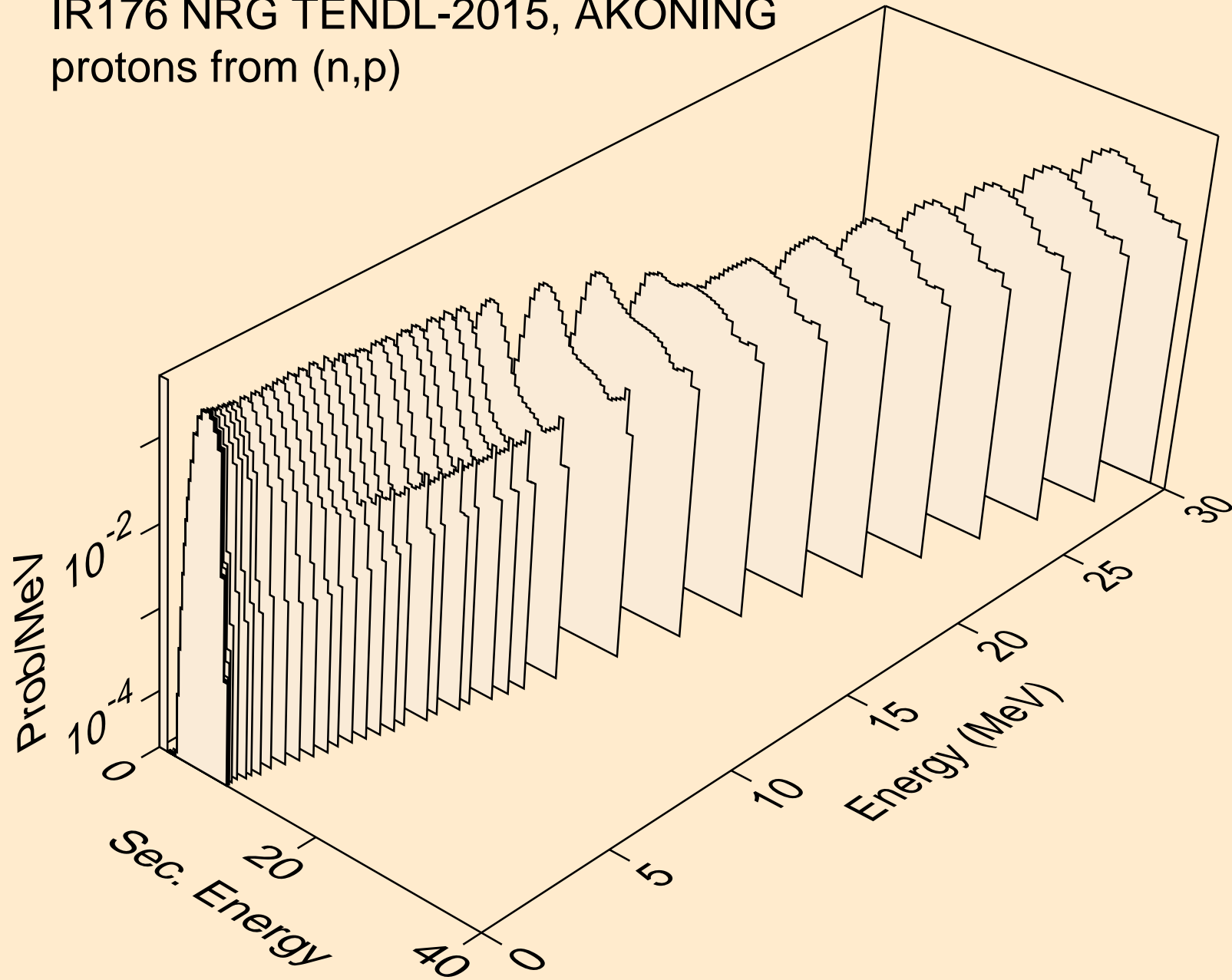
IR176 NRG TENDL-2015, AKONING  
protons from (n,2np)



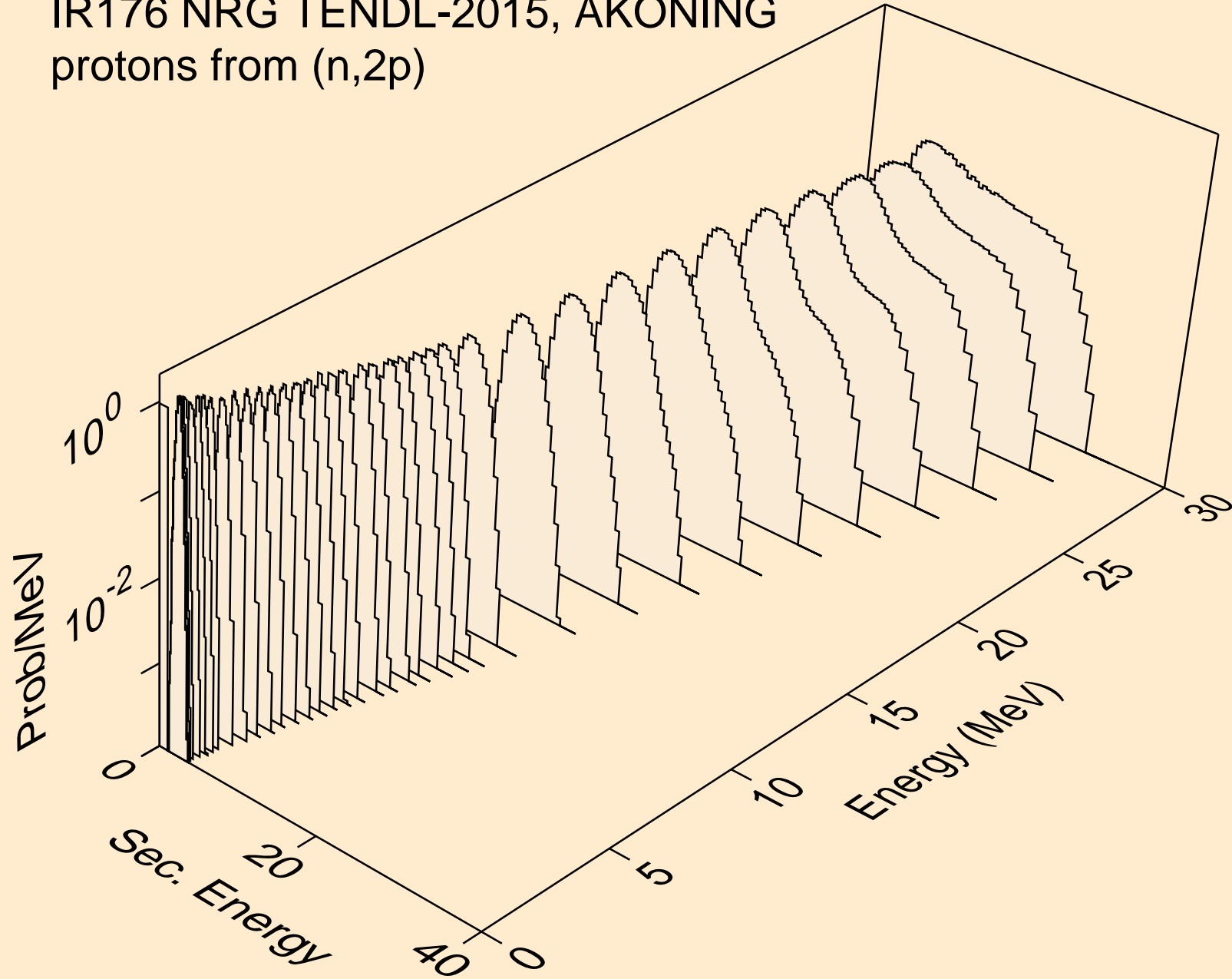
IR176 NRG TENDL-2015, AKONING  
protons from (n,npa)



IR176 NRG TENDL-2015, AKONING  
protons from (n,p)

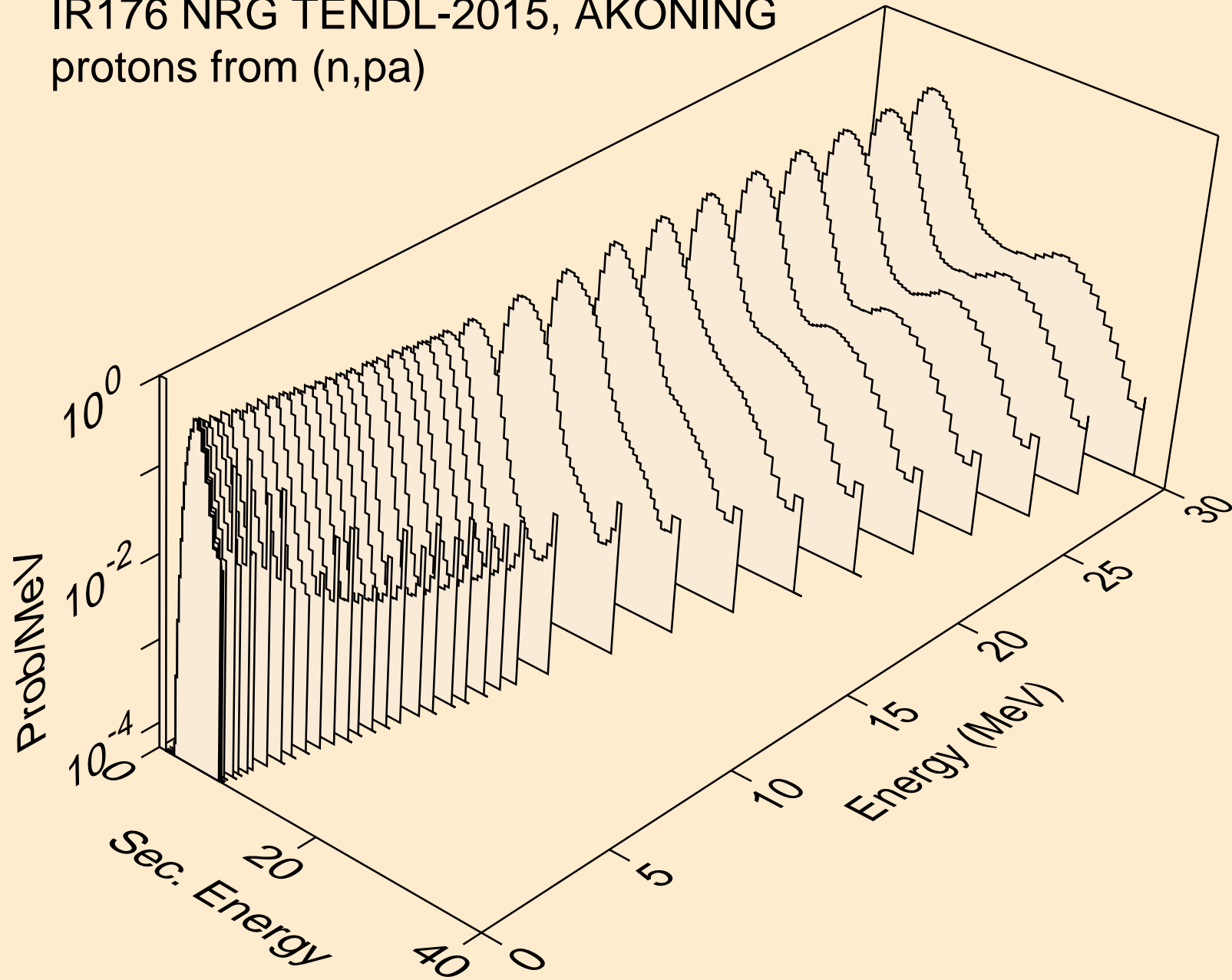


IR176 NRG TENDL-2015, AKONING  
protons from (n,2p)

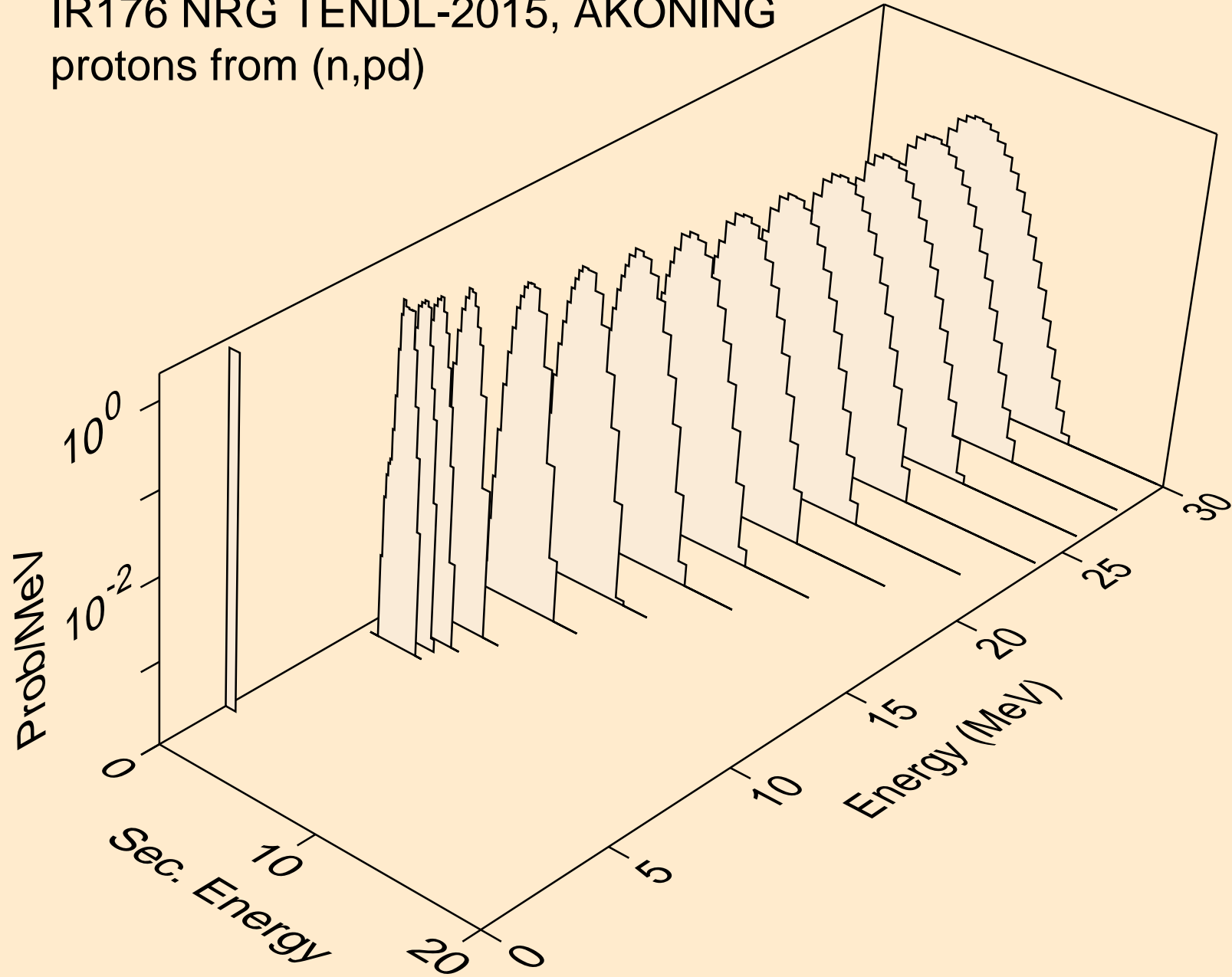




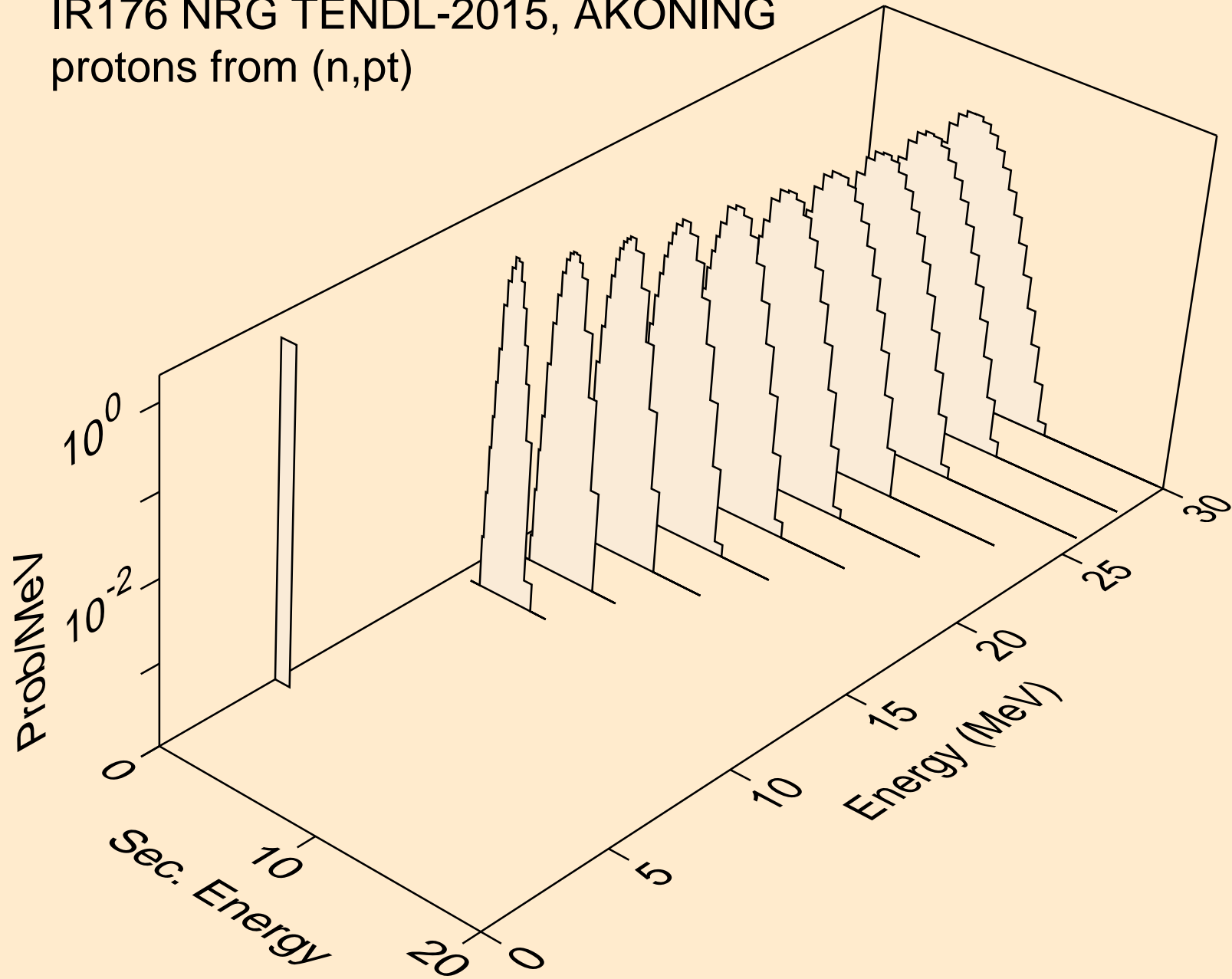
IR176 NRG TENDL-2015, AKONING  
protons from (n,pa)



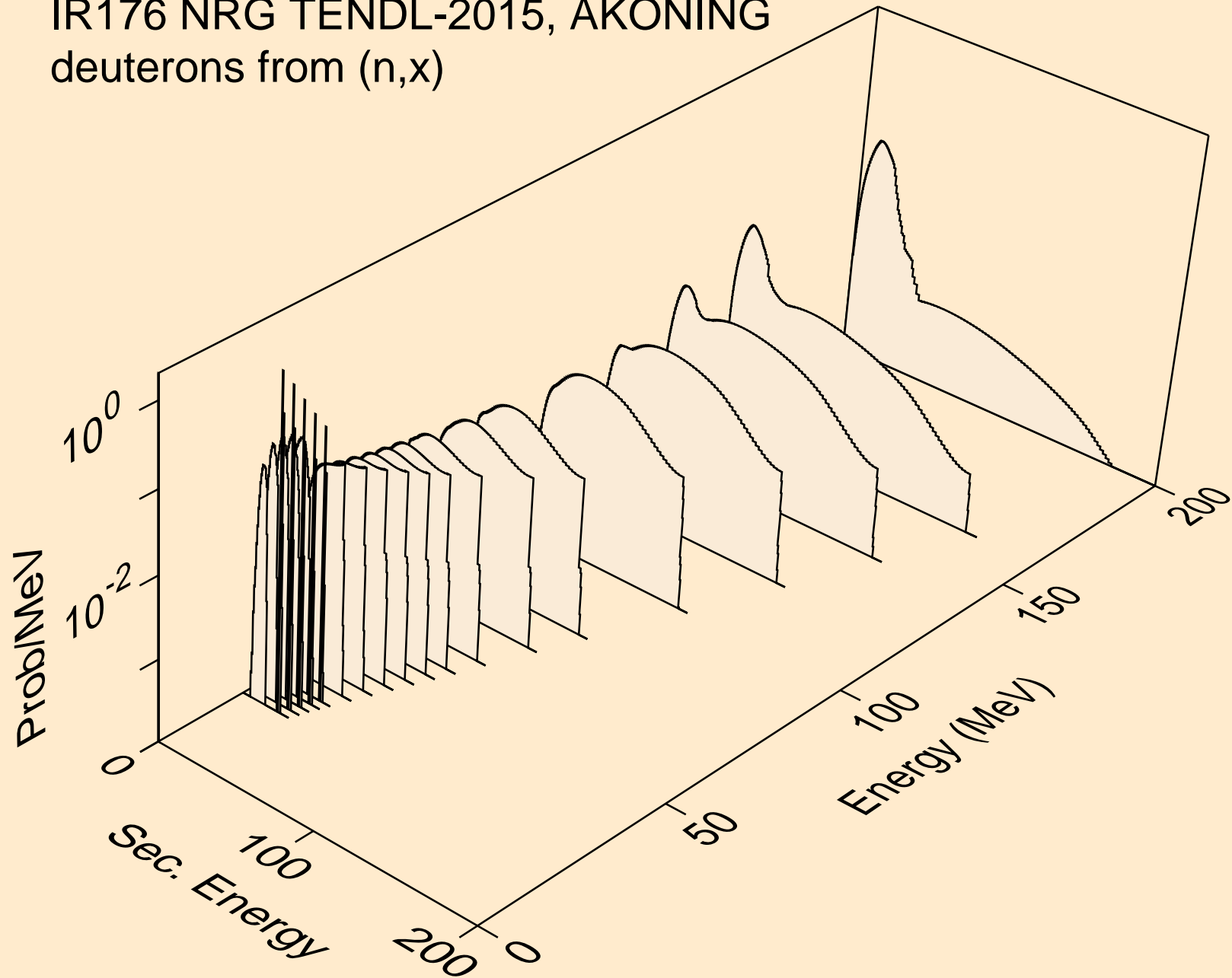
IR176 NRG TENDL-2015, AKONING  
protons from (n,pd)



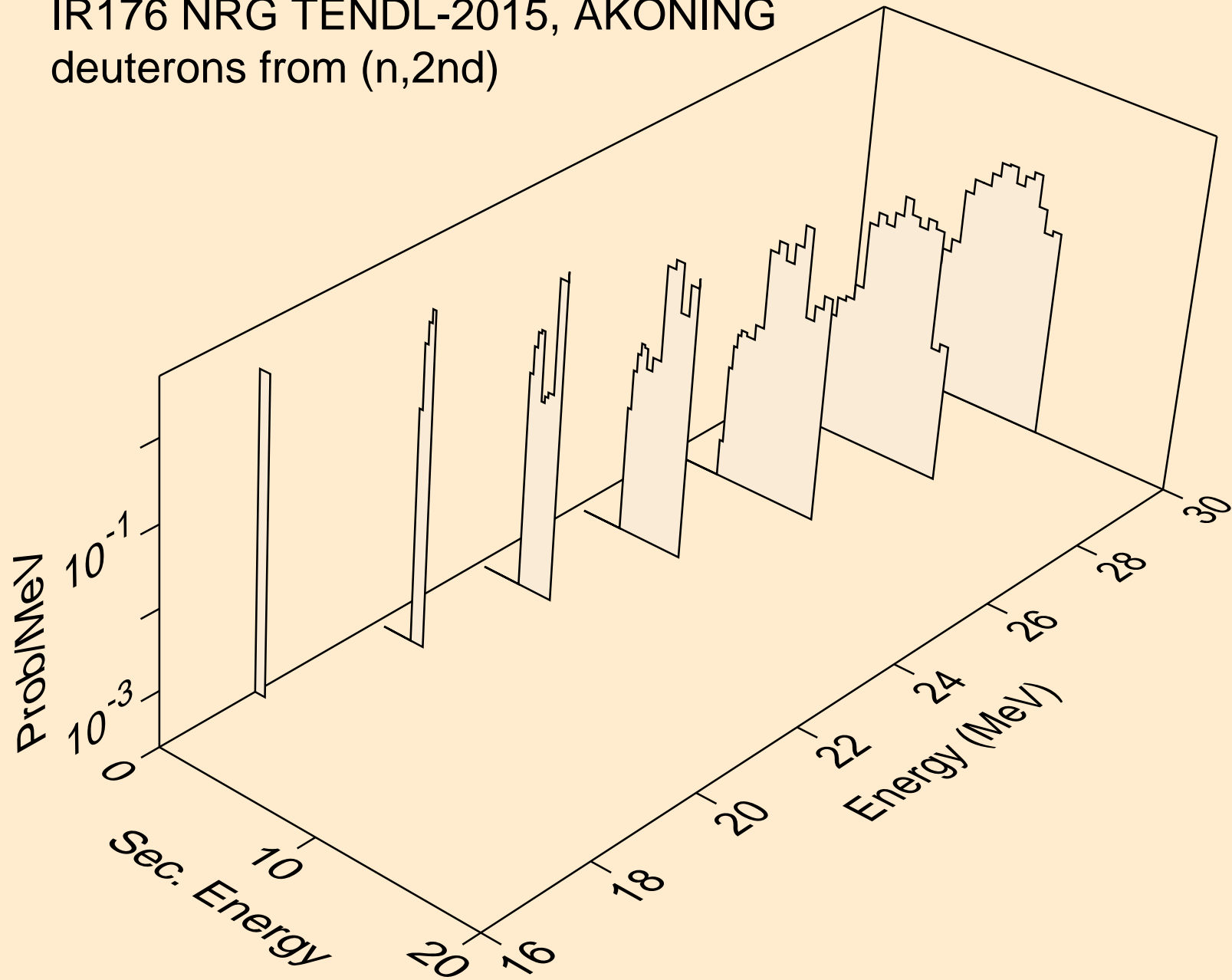
IR176 NRG TENDL-2015, AKONING  
protons from (n,pt)



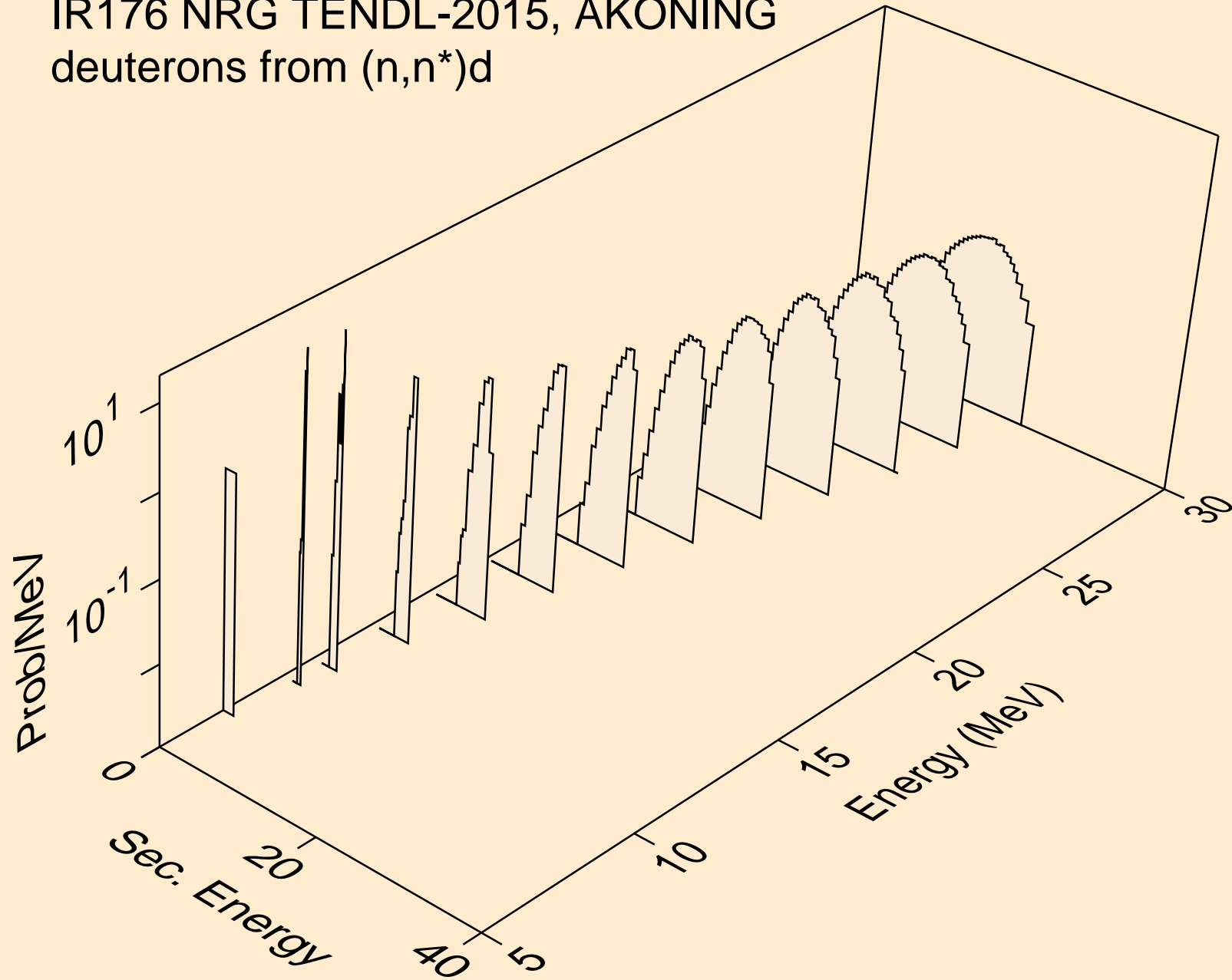
IR176 NRG TENDL-2015, AKONING  
deuterons from (n,x)



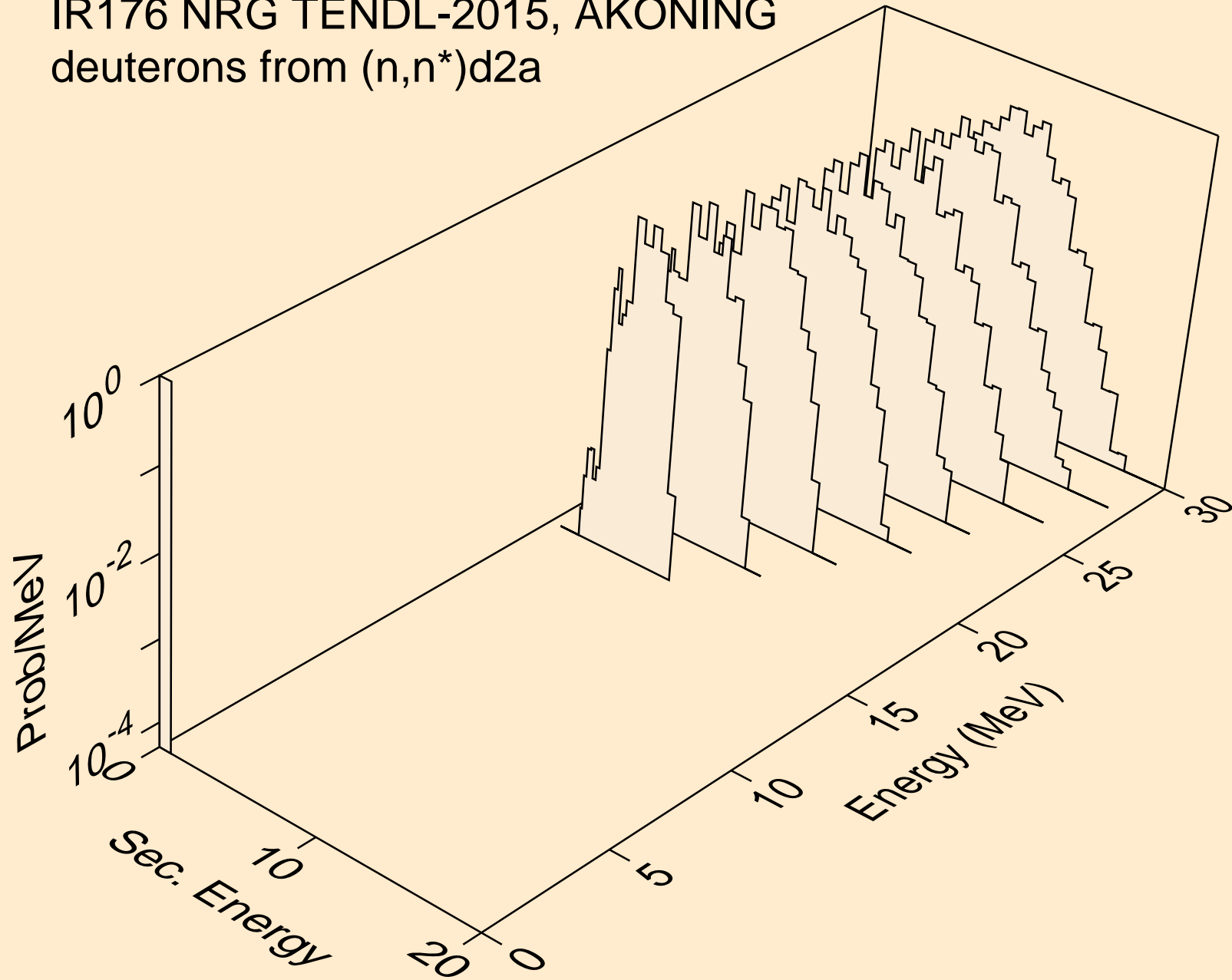
IR176 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



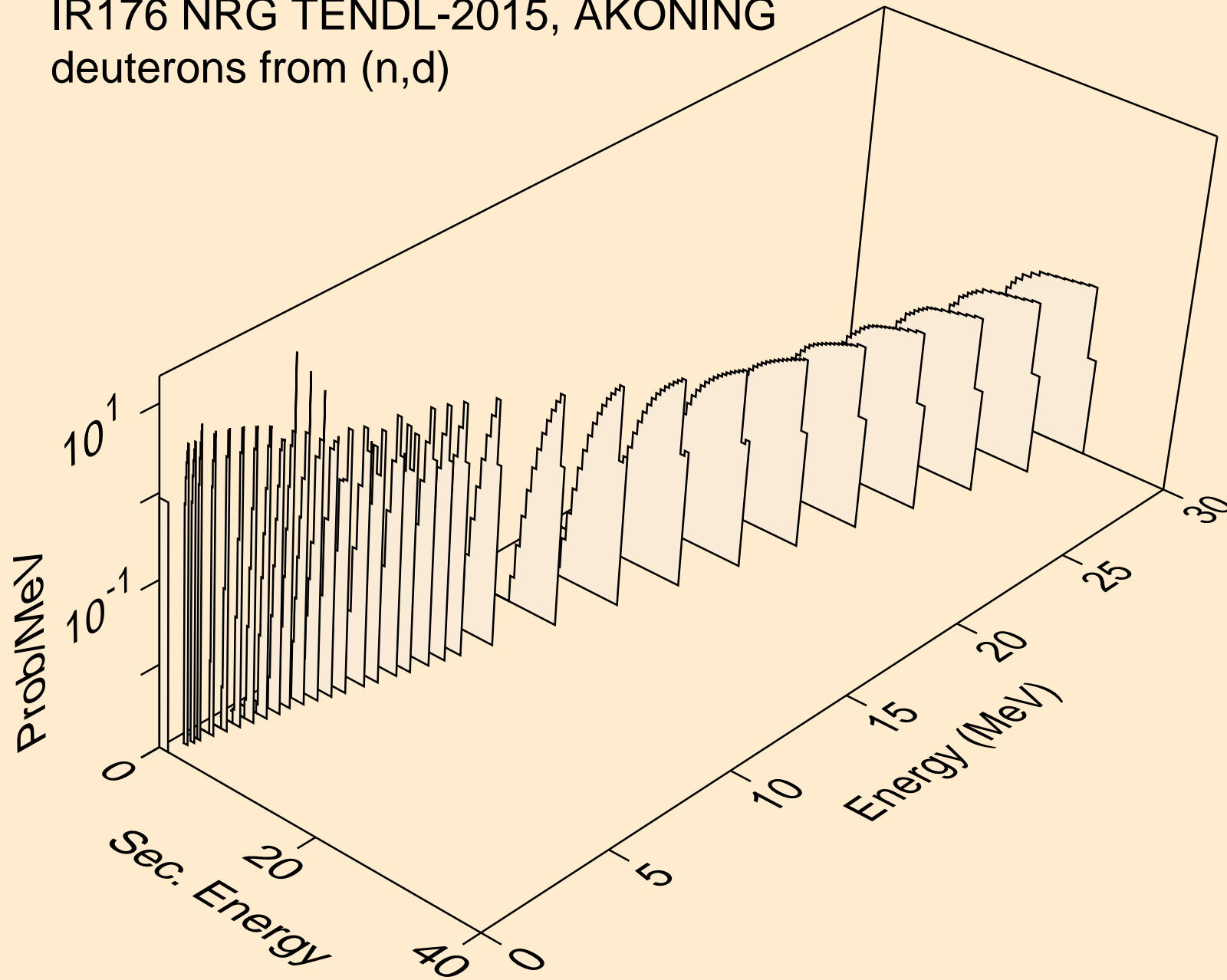
IR176 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



IR176 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d2a

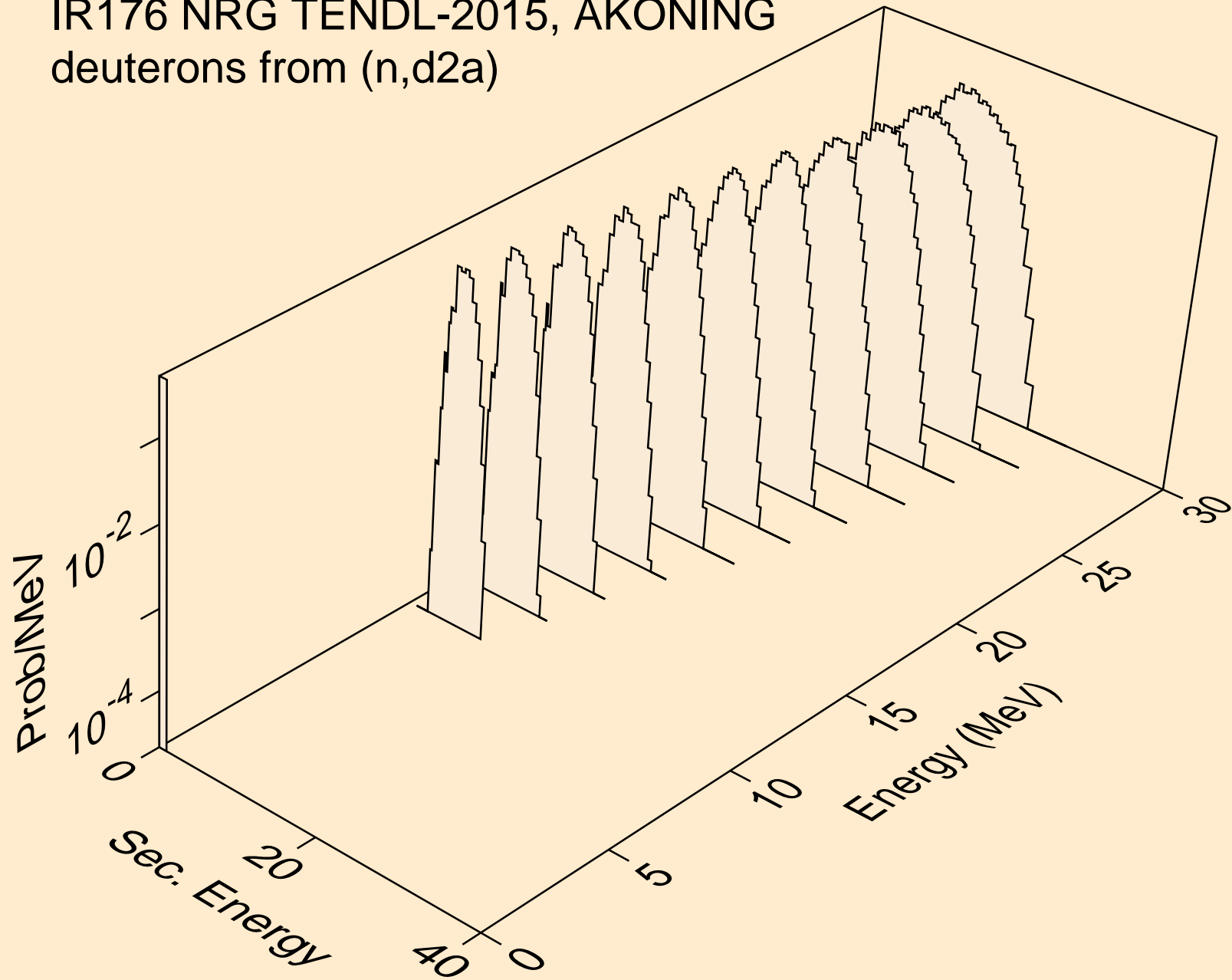


IR176 NRG TENDL-2015, AKONING  
deuterons from (n,d)

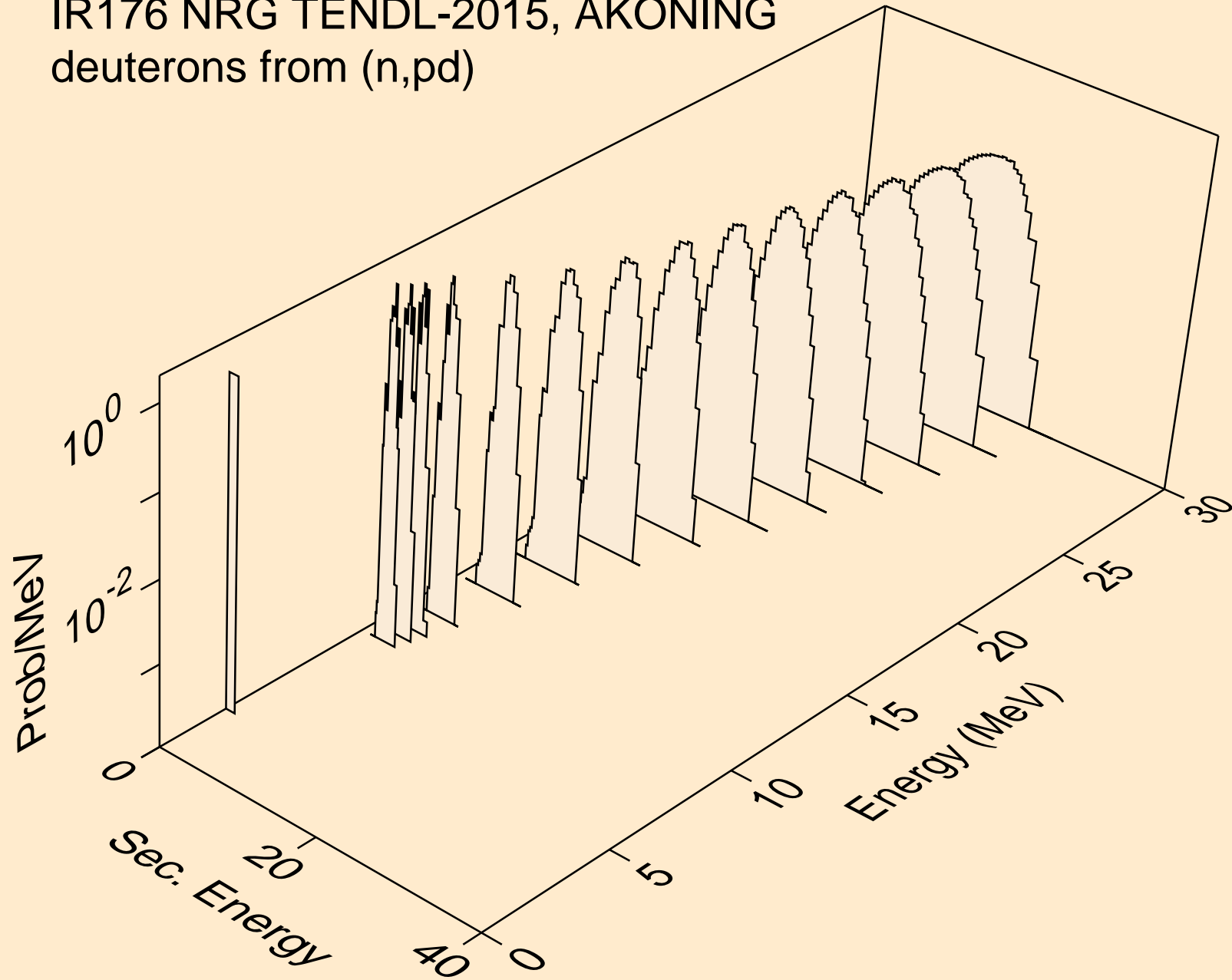




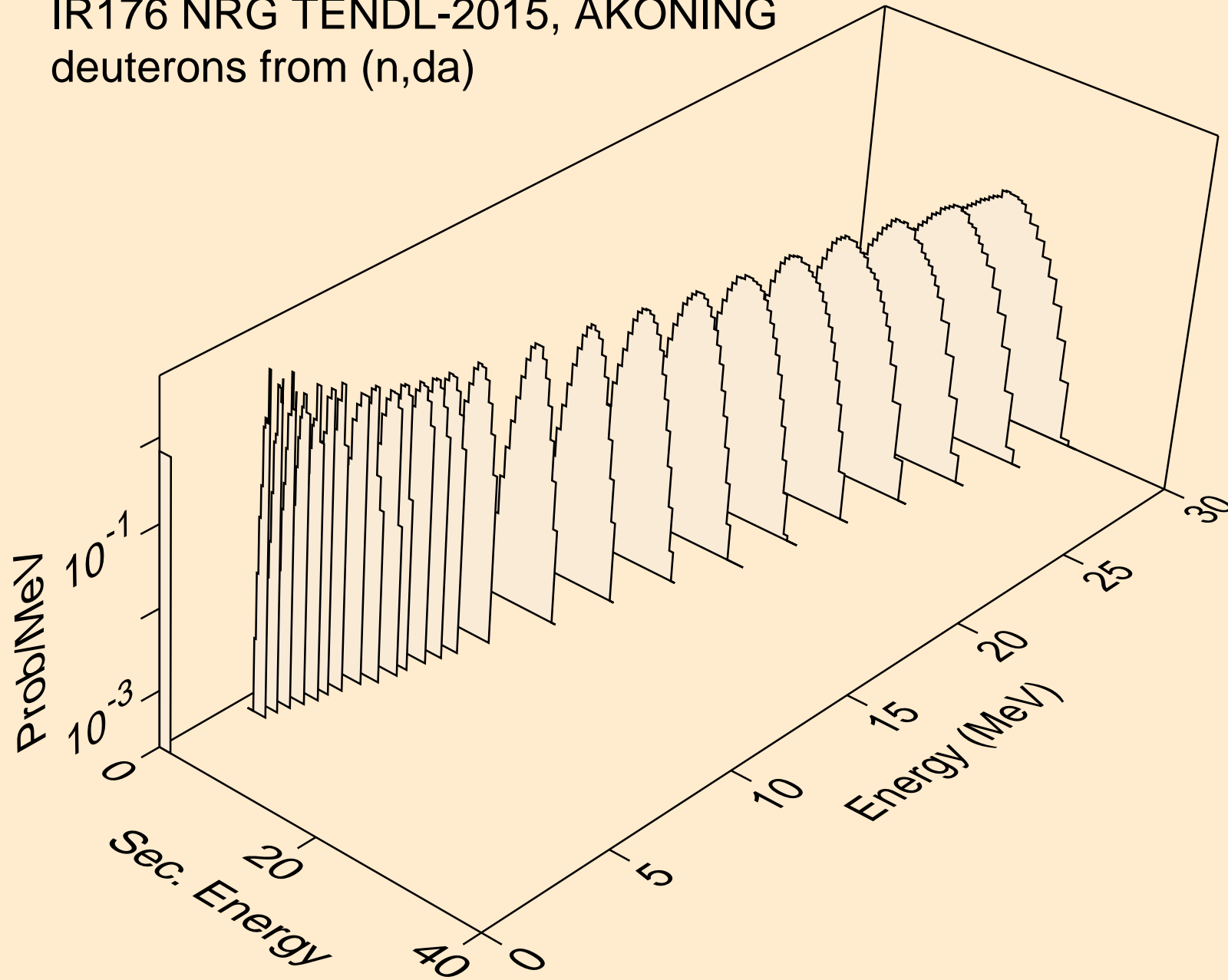
IR176 NRG TENDL-2015, AKONING  
deuterons from (n,d2a)



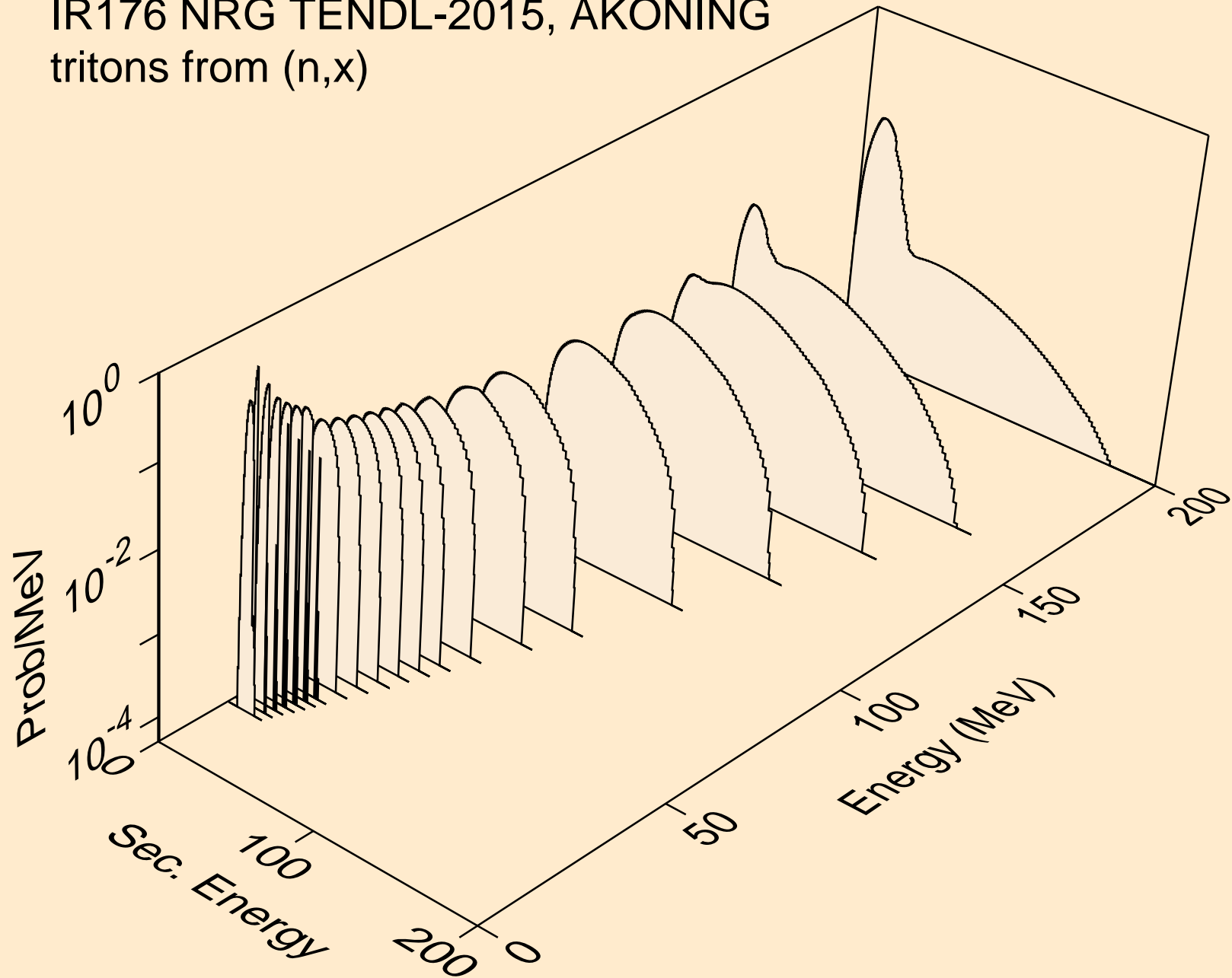
IR176 NRG TENDL-2015, AKONING  
deuterons from (n,pd)



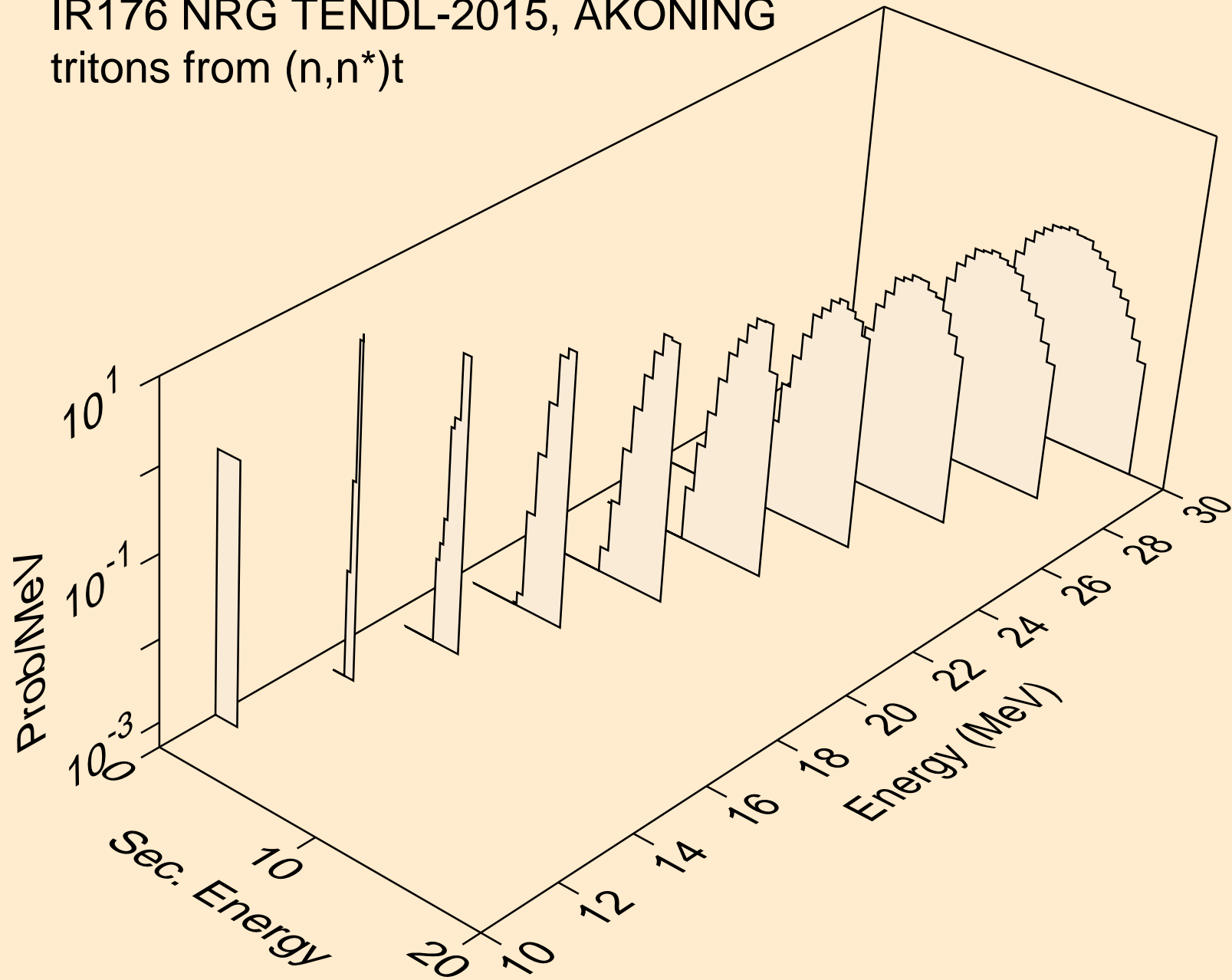
IR176 NRG TENDL-2015, AKONING  
deuterons from (n,da)



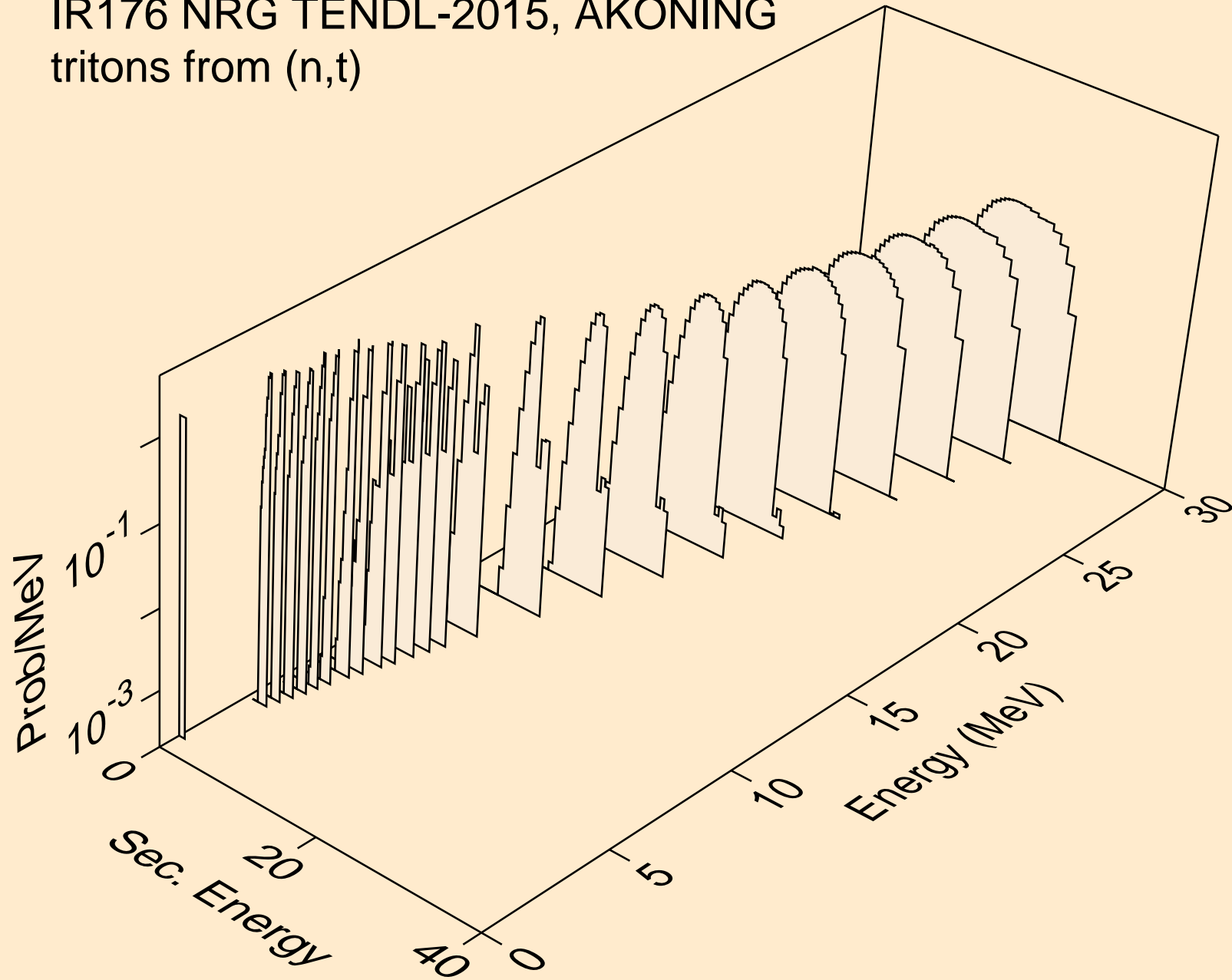
IR176 NRG TENDL-2015, AKONING  
tritons from (n,x)



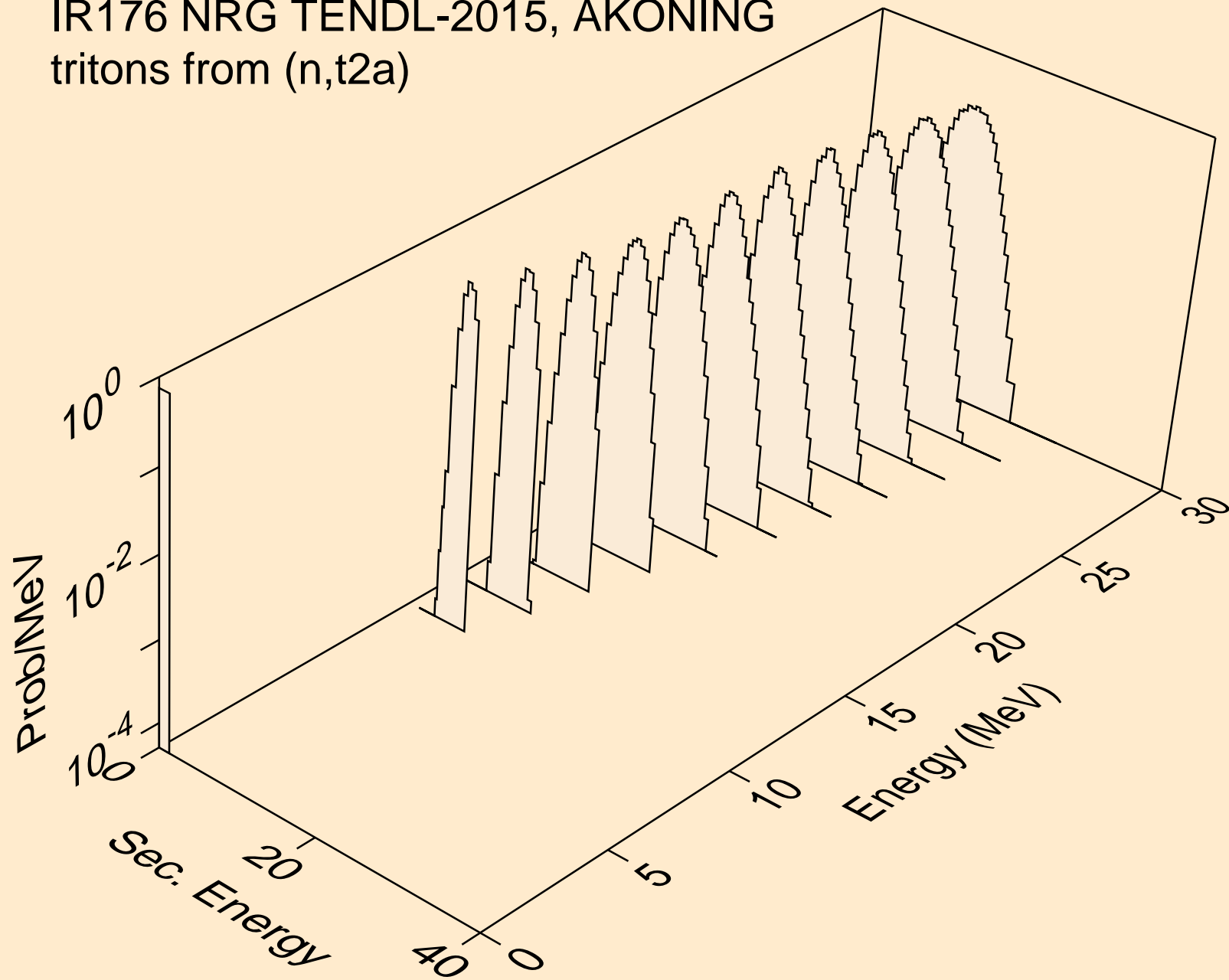
IR176 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



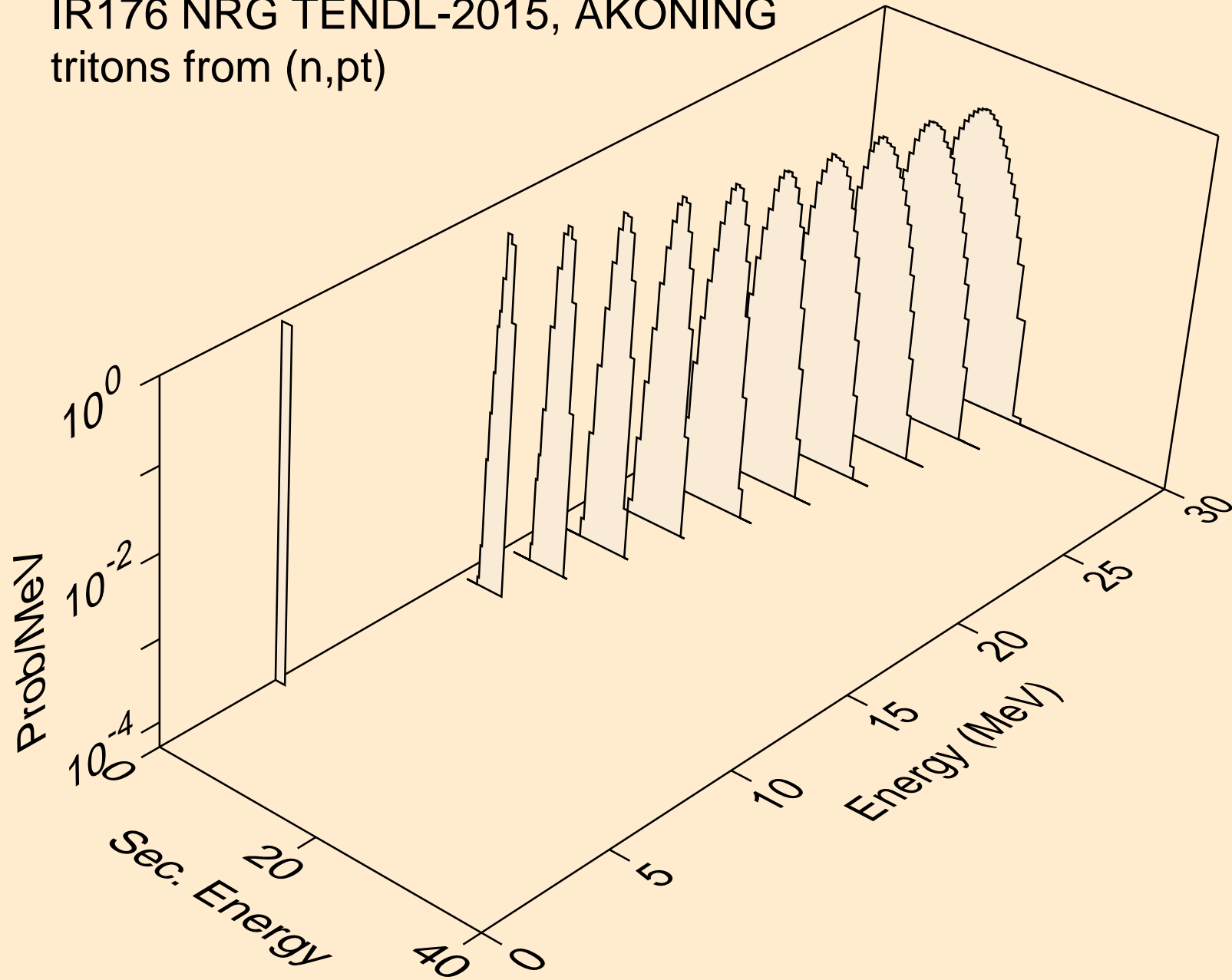
IR176 NRG TENDL-2015, AKONING  
tritons from (n,t)



IR176 NRG TENDL-2015, AKONING  
tritons from (n,t2a)

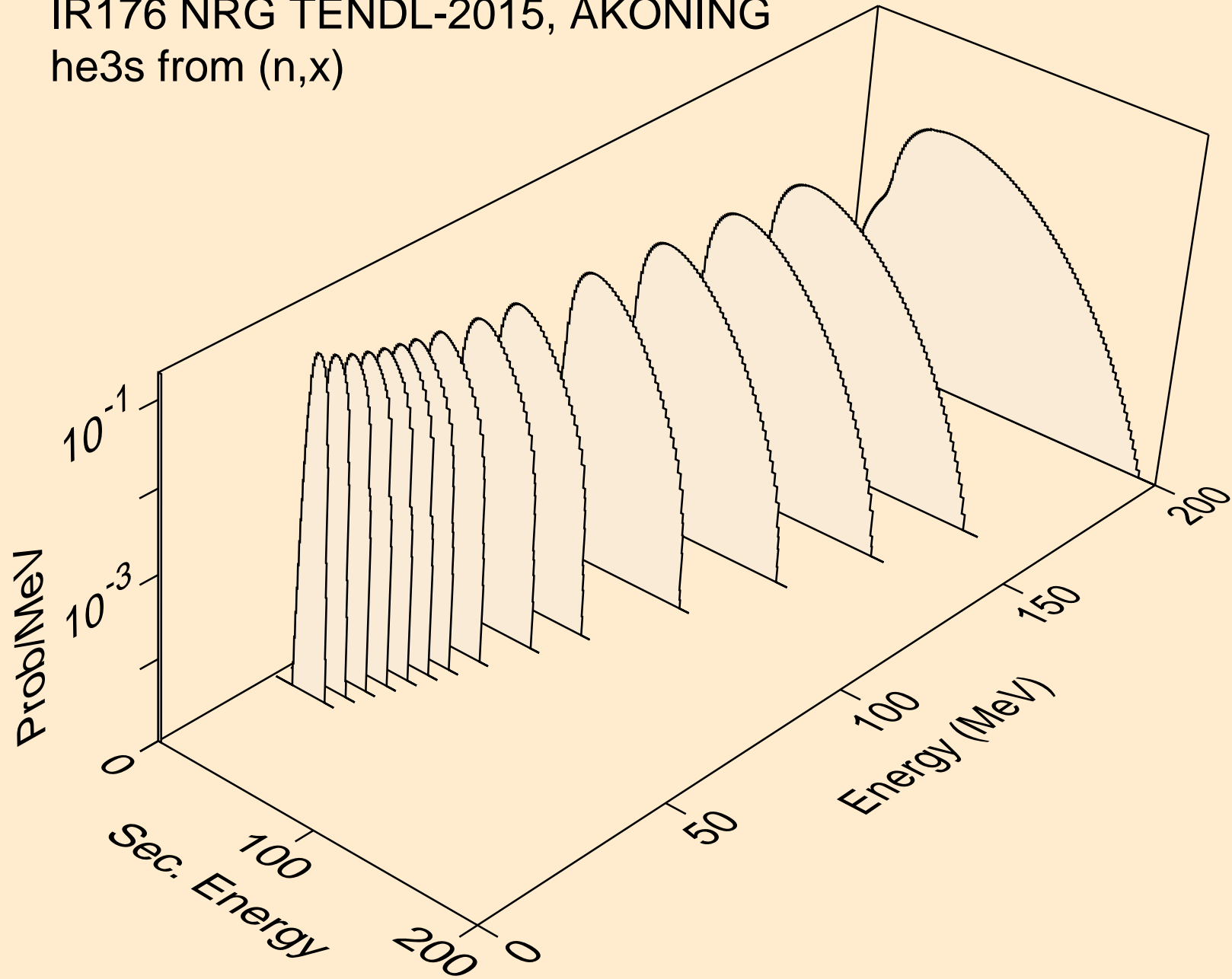


IR176 NRG TENDL-2015, AKONING  
tritons from (n,pt)

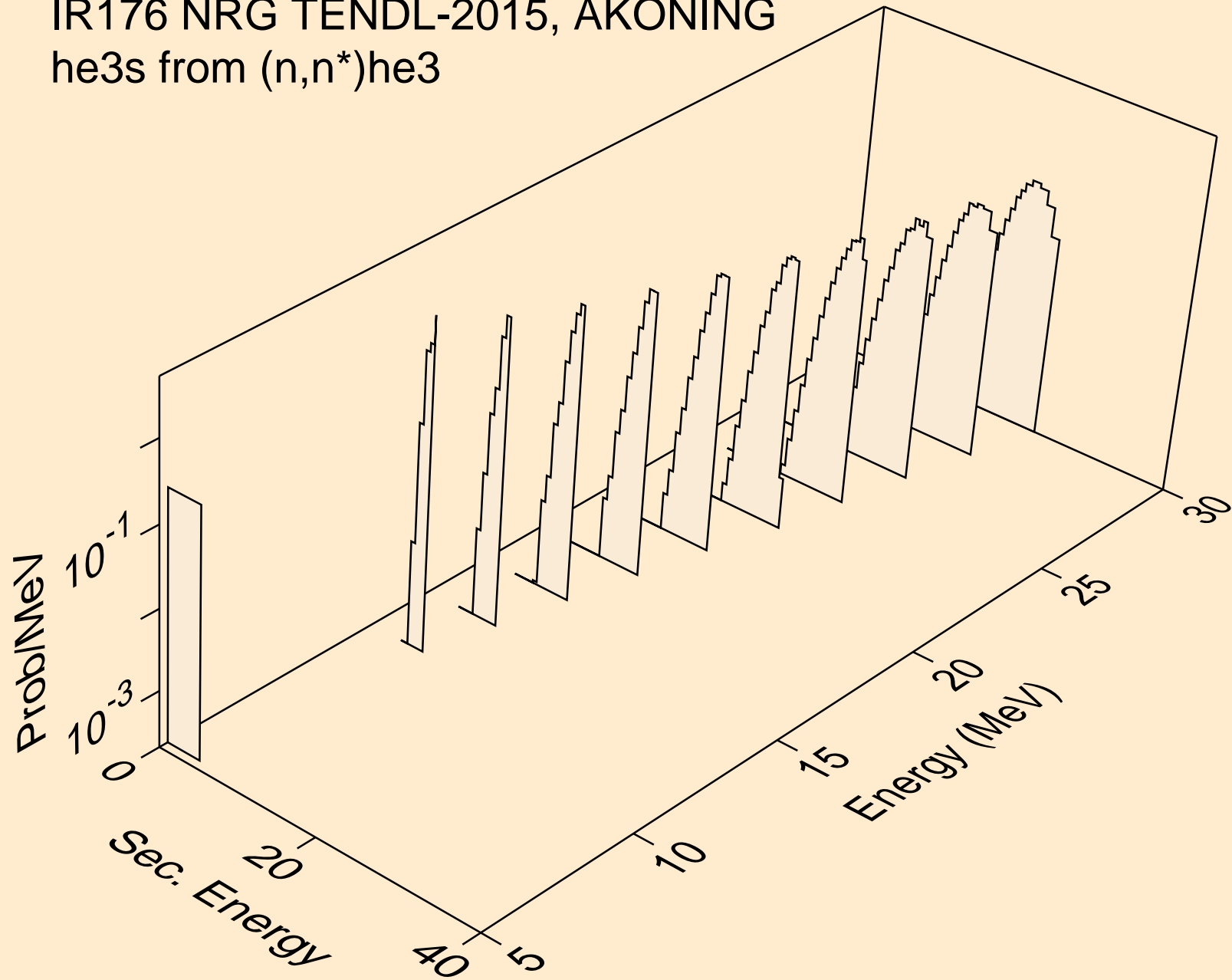




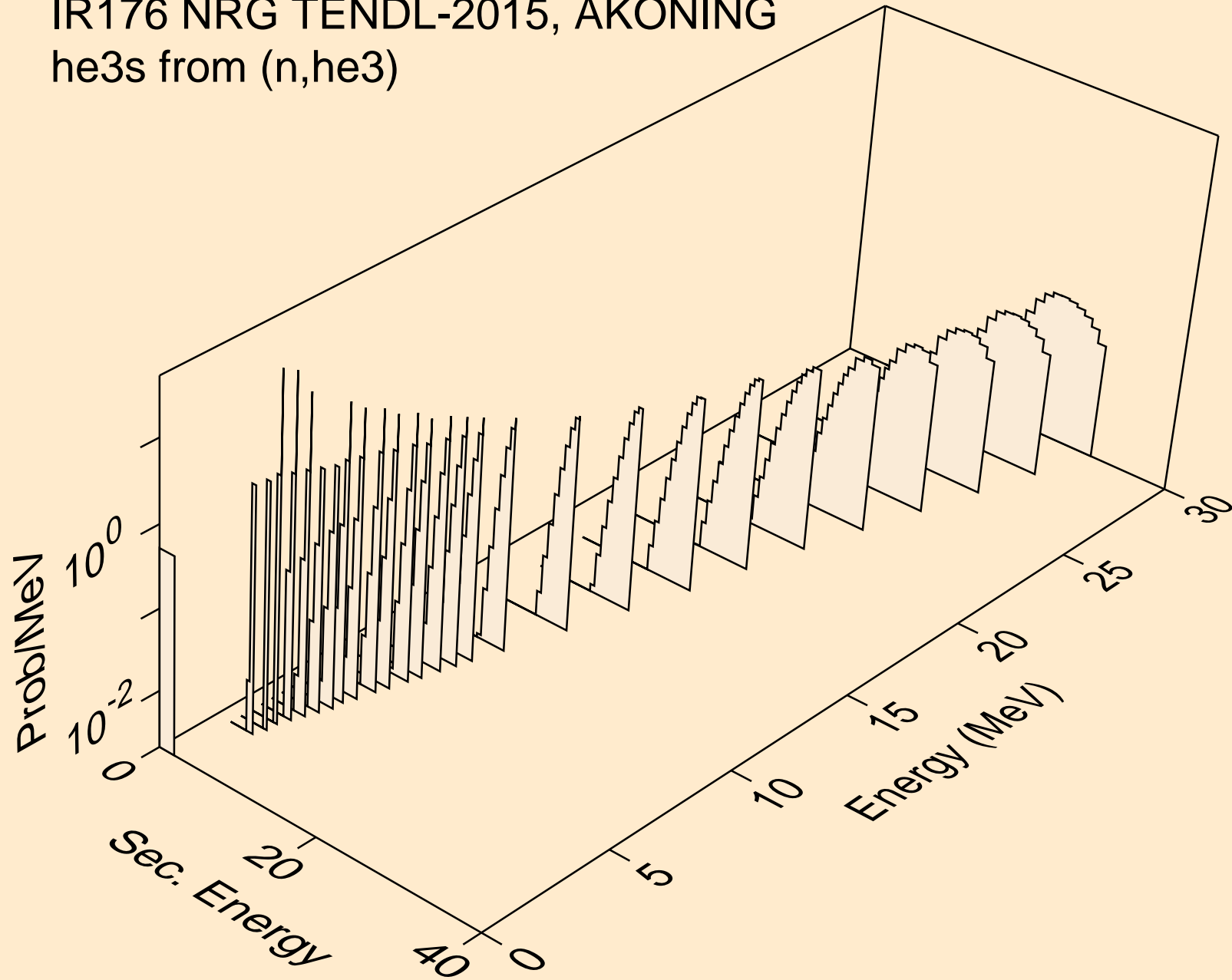
IR176 NRG TENDL-2015, AKONING  
he3s from (n,x)



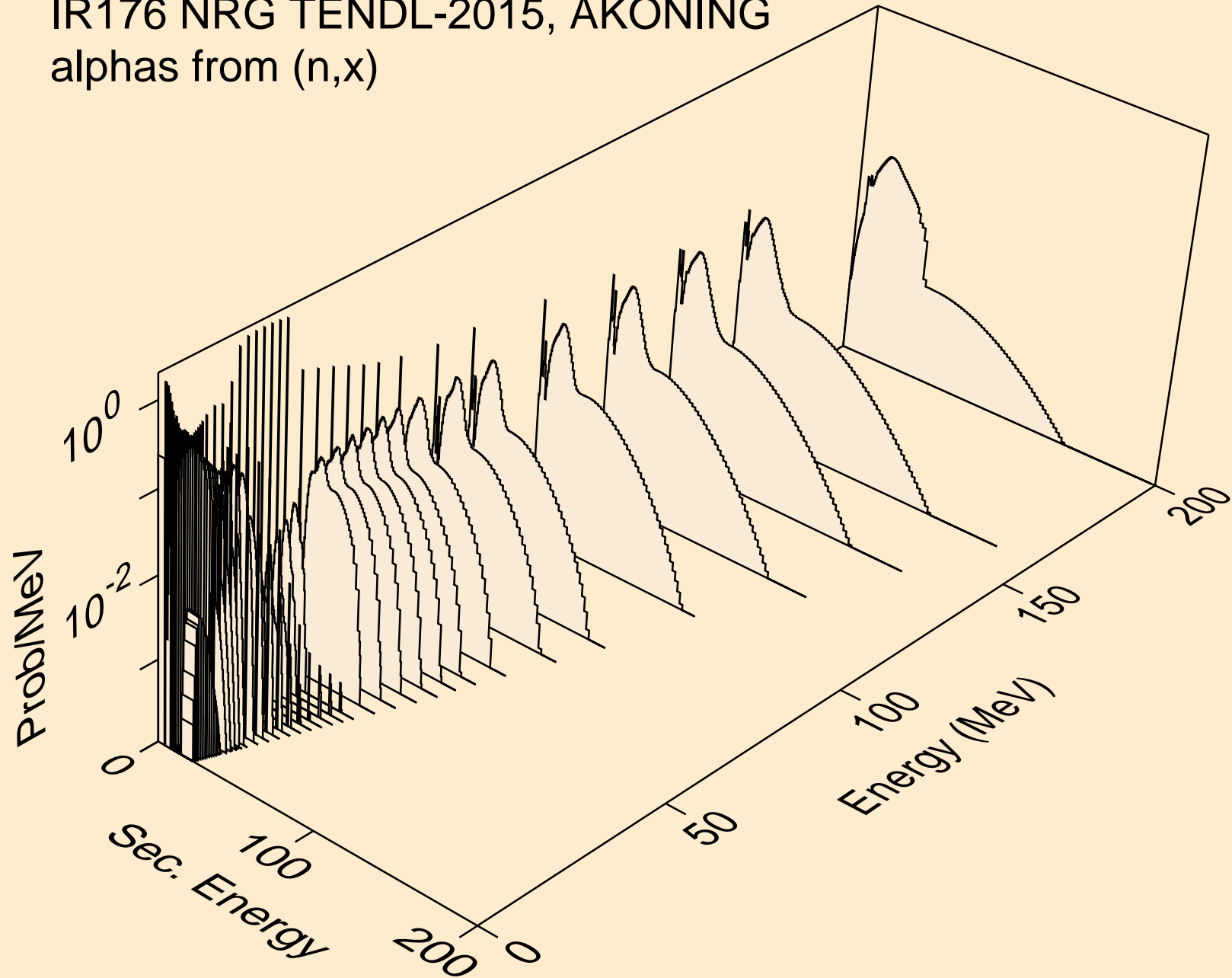
IR176 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



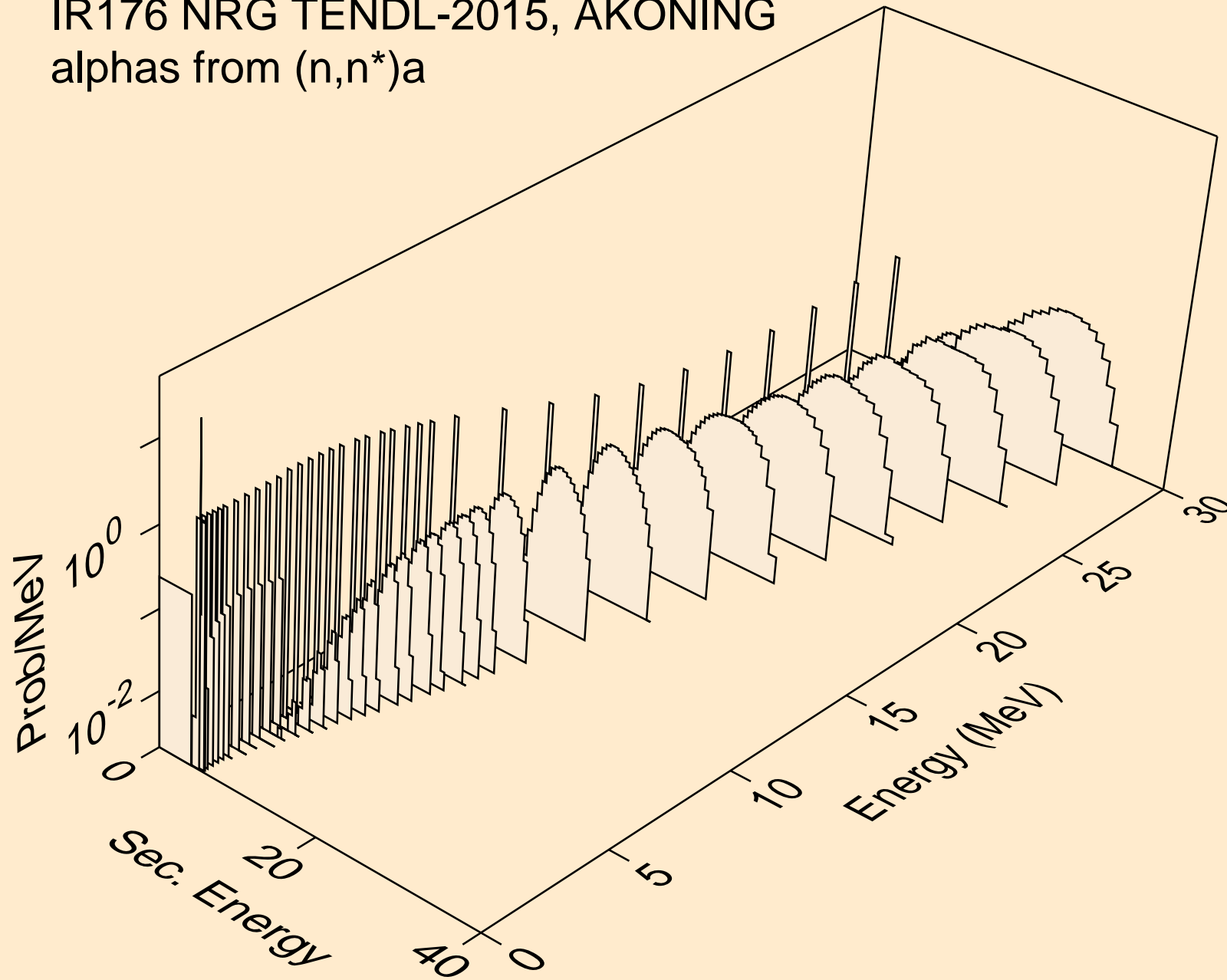
IR176 NRG TENDL-2015, AKONING  
he3s from (n,he3)



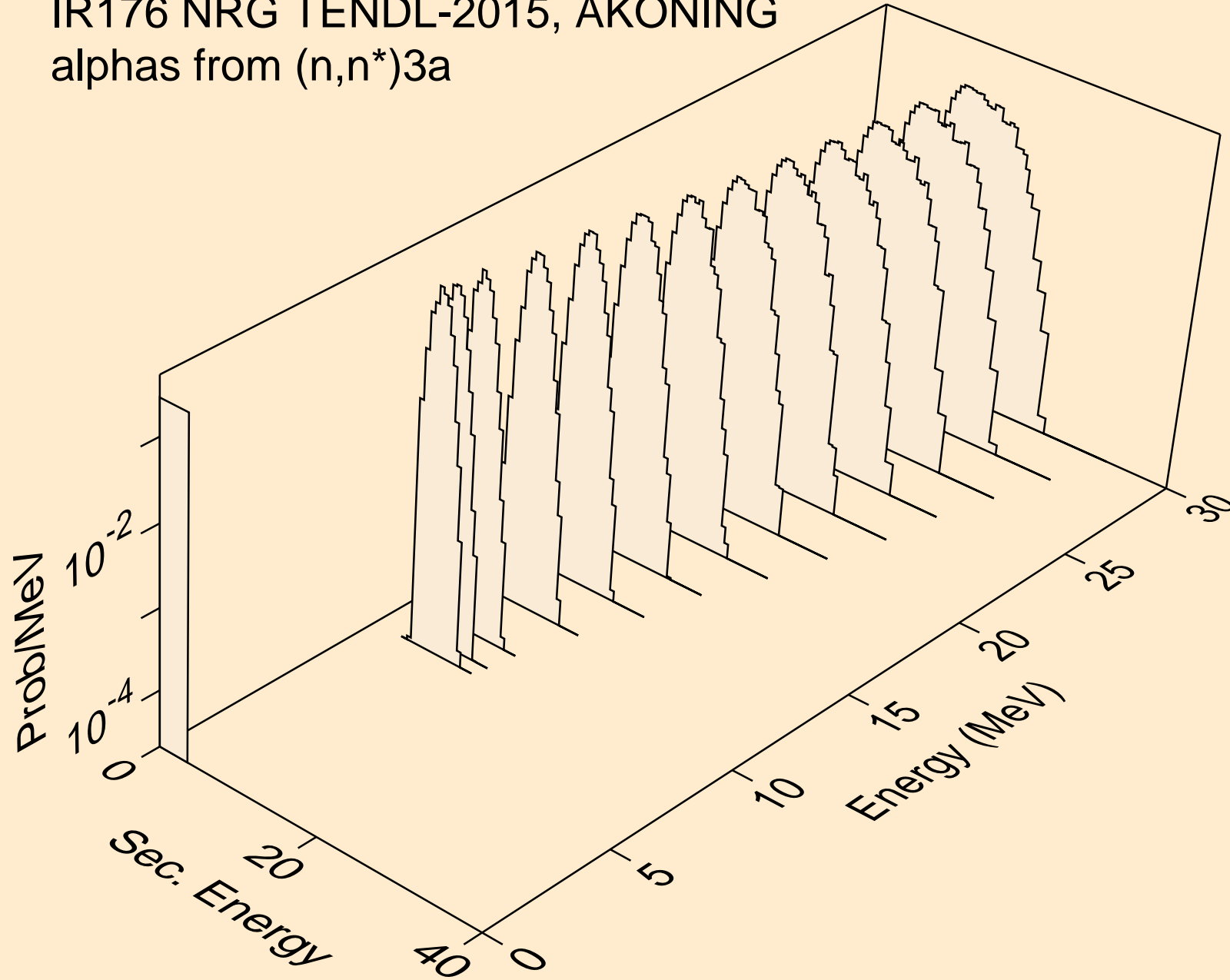
IR176 NRG TENDL-2015, AKONING  
alphas from (n,x)



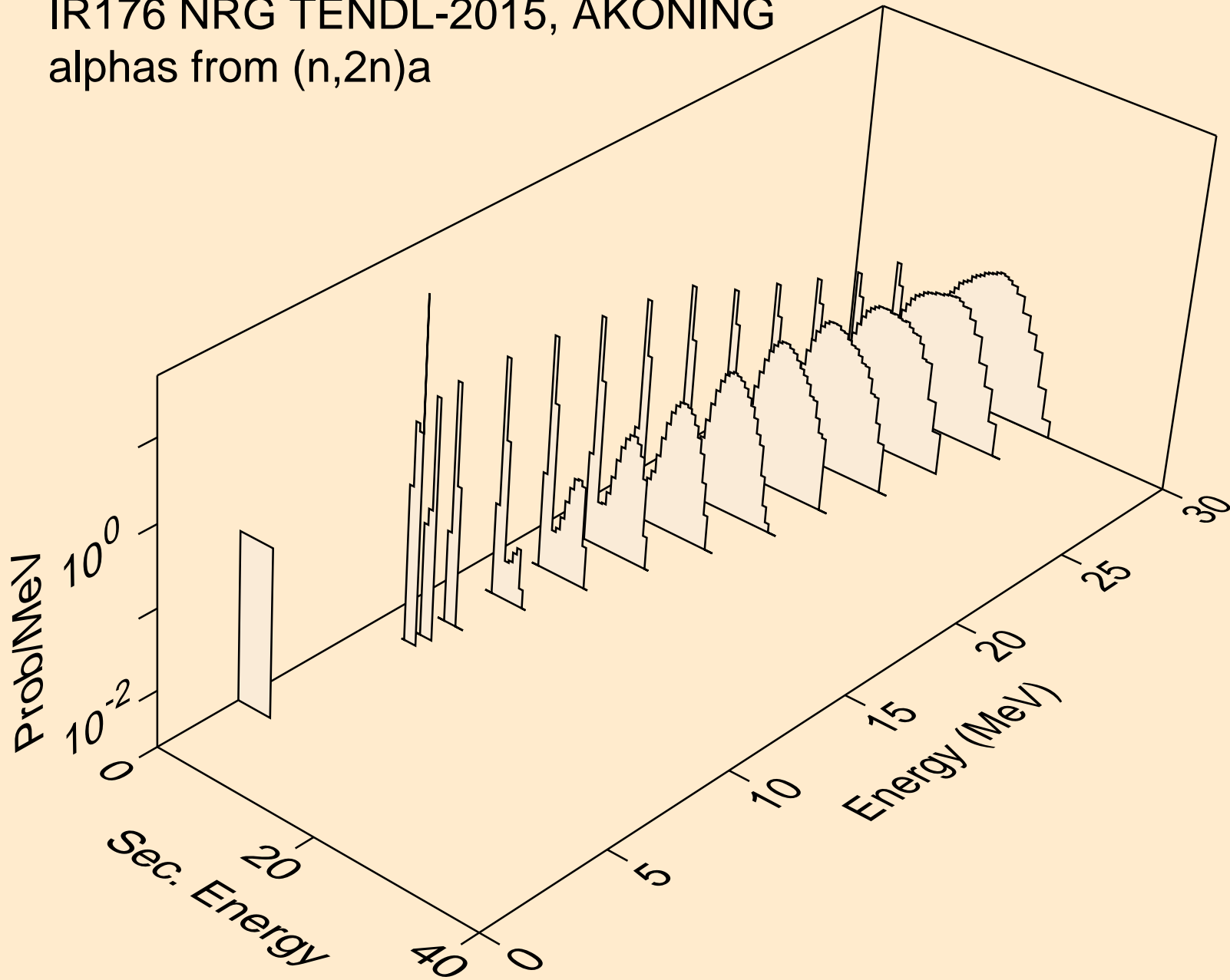
IR176 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



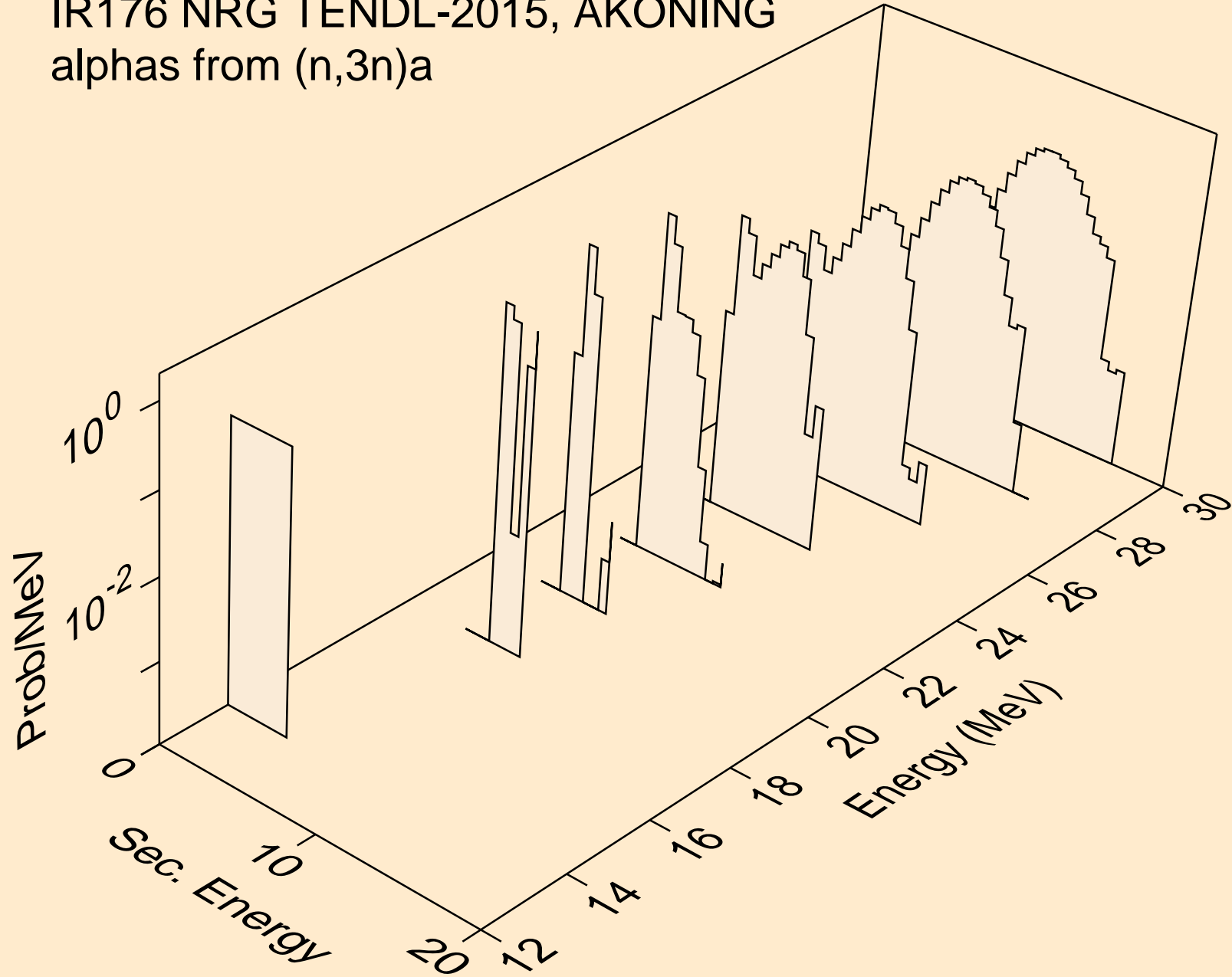
IR176 NRG TENDL-2015, AKONING  
alphas from (n,n\*)3a



IR176 NRG TENDL-2015, AKONING  
alphas from (n,2n)a

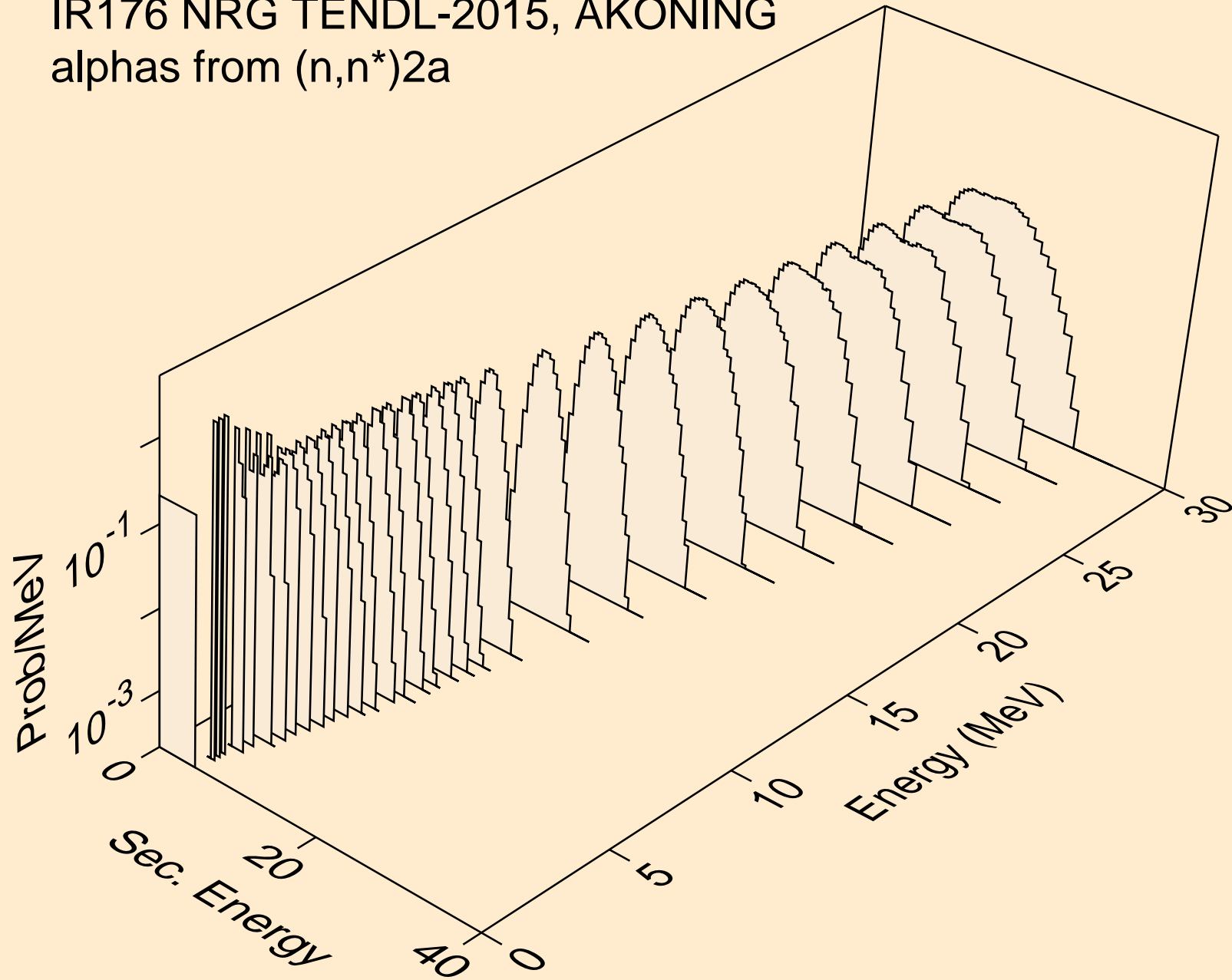


IR176 NRG TENDL-2015, AKONING  
alphas from (n,3n)a

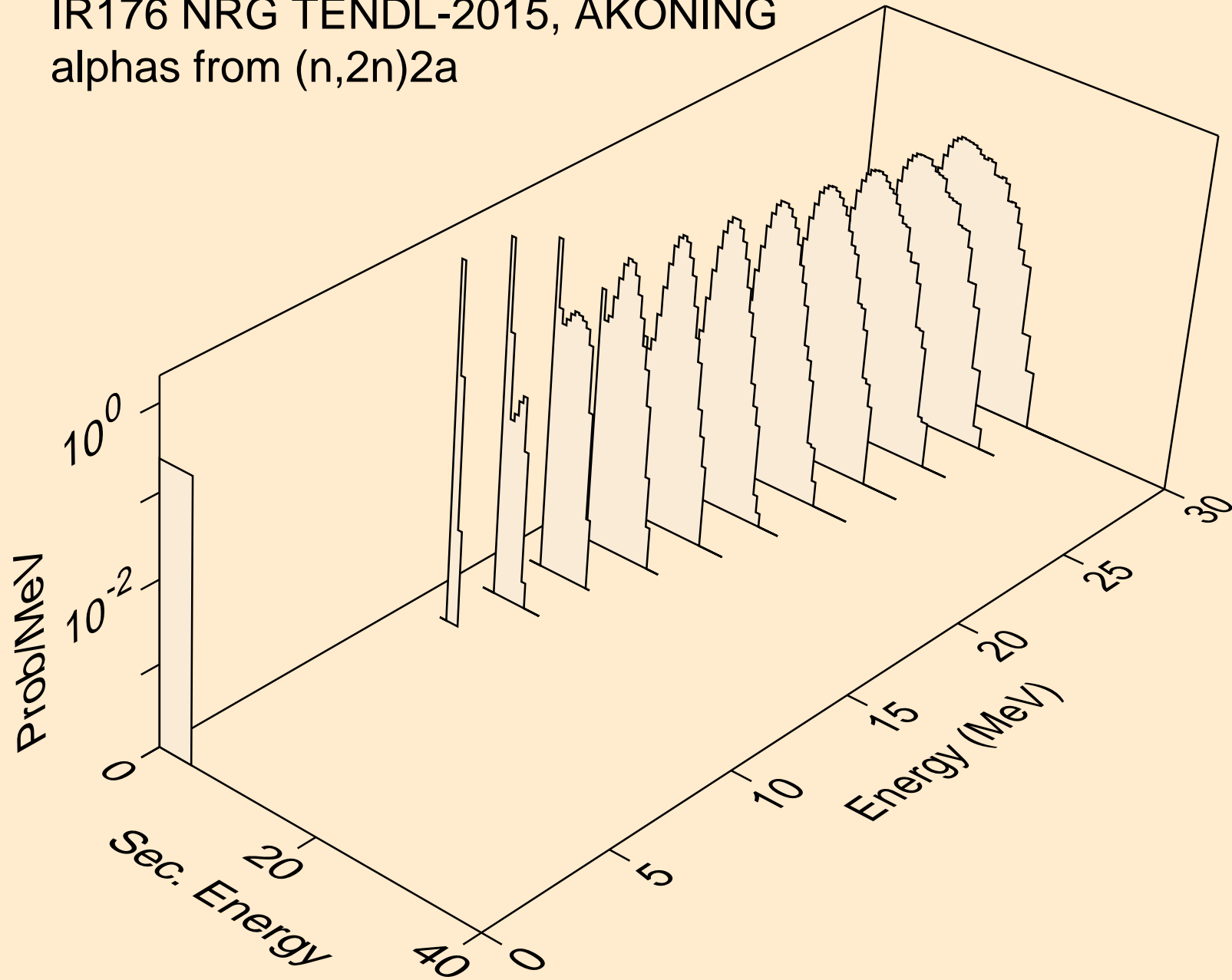




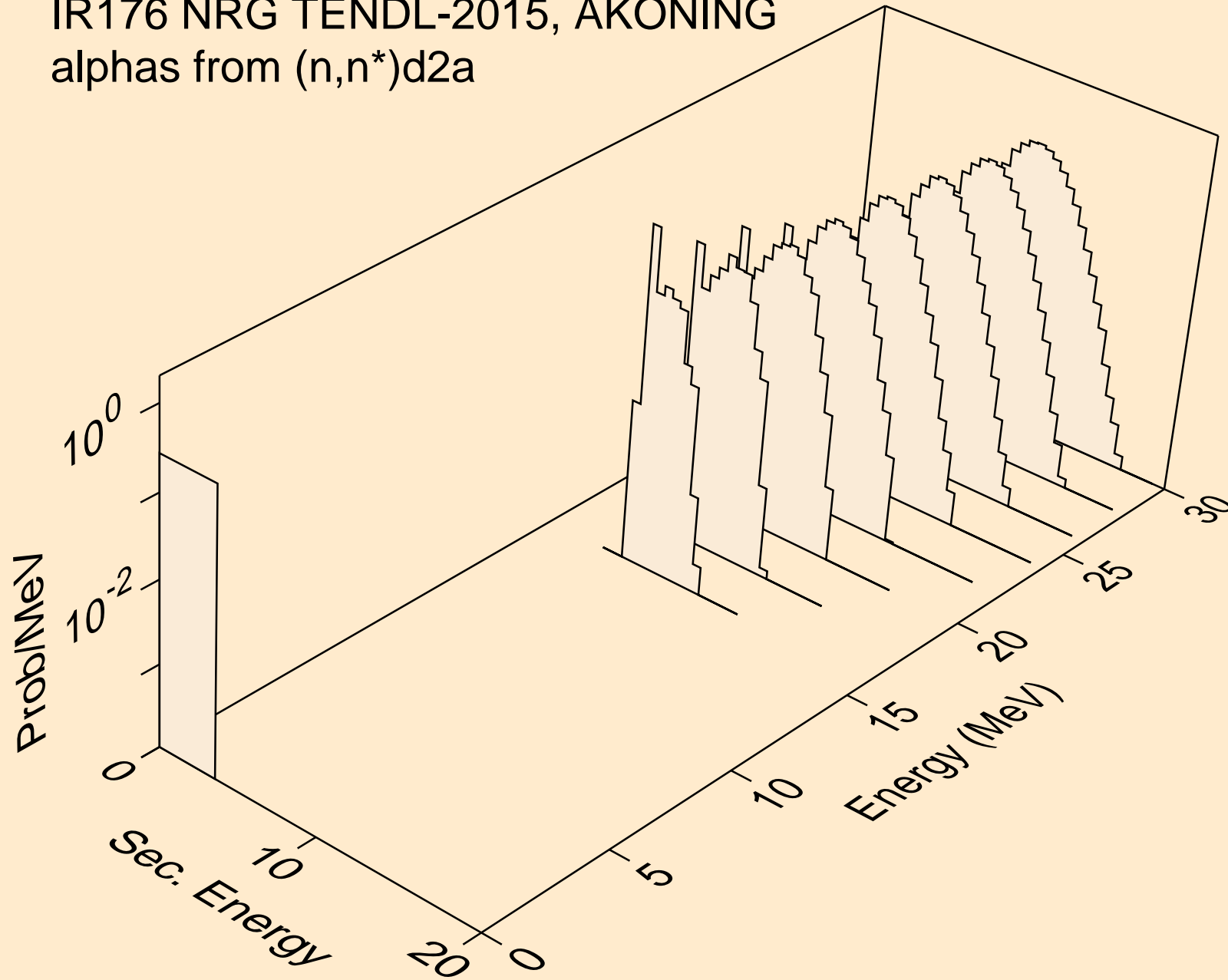
IR176 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



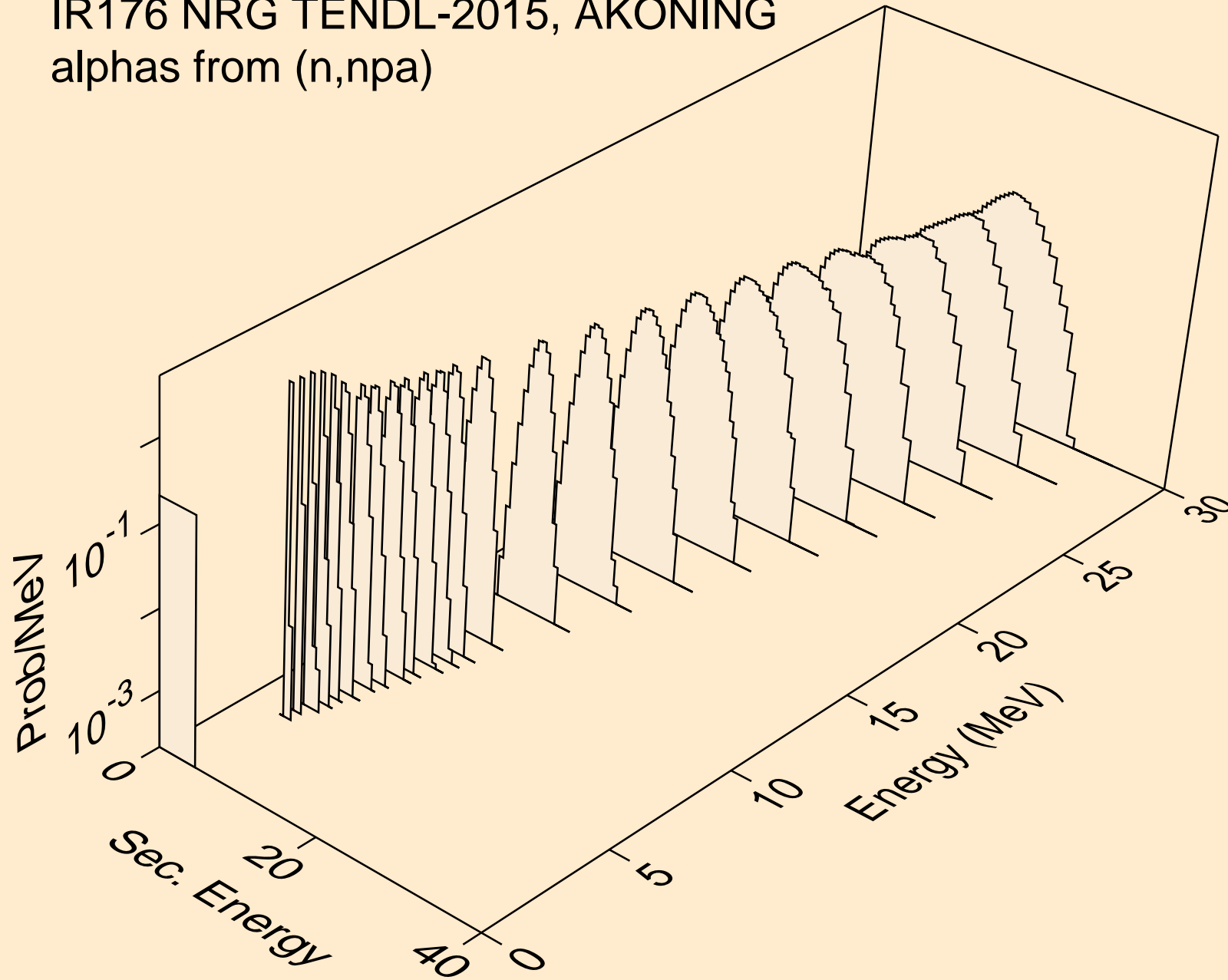
IR176 NRG TENDL-2015, AKONING  
alphas from (n,2n)2a



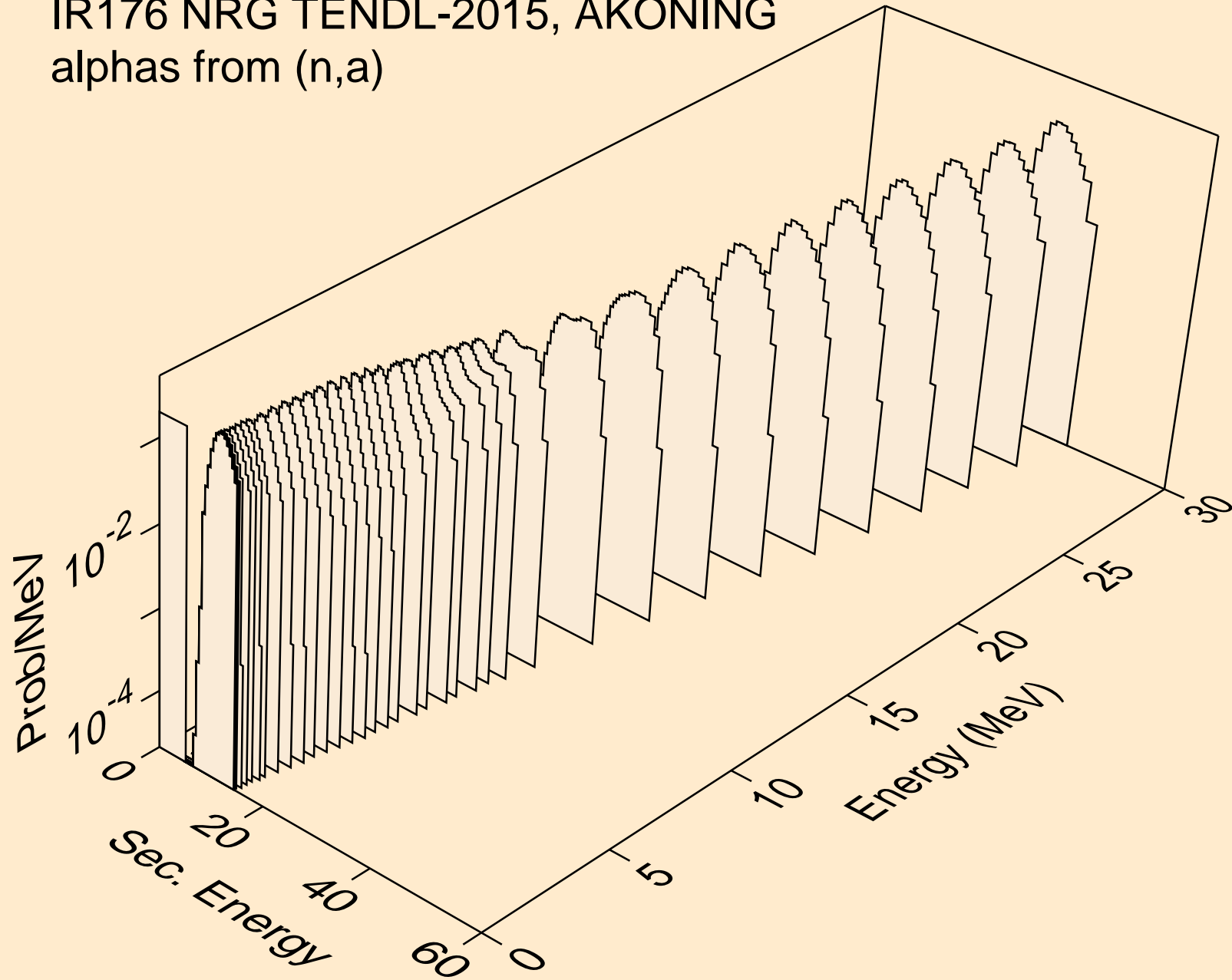
IR176 NRG TENDL-2015, AKONING  
alphas from (n,n\*)d2a



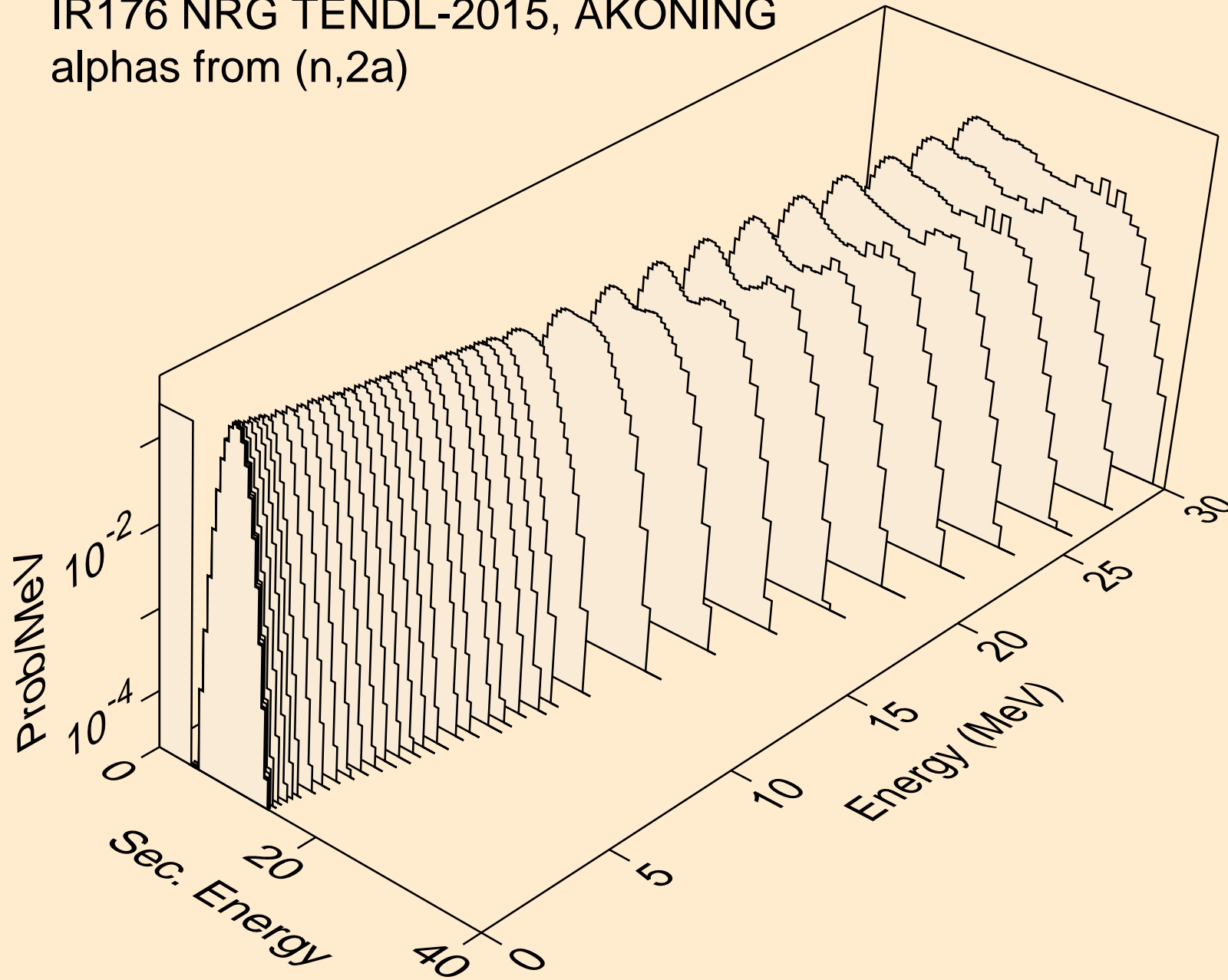
IR176 NRG TENDL-2015, AKONING  
alphas from (n,npa)



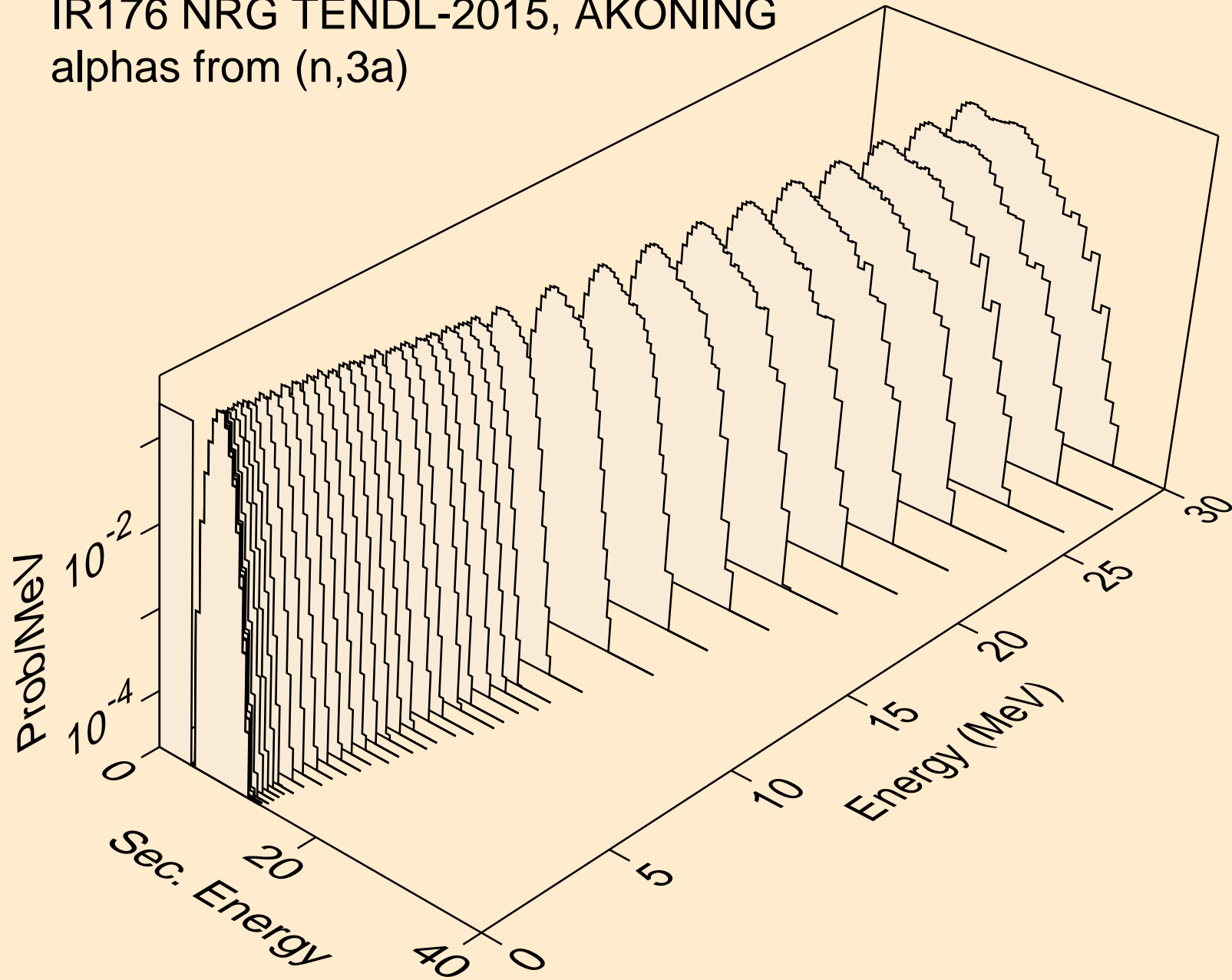
IR176 NRG TENDL-2015, AKONING  
alphas from (n,a)



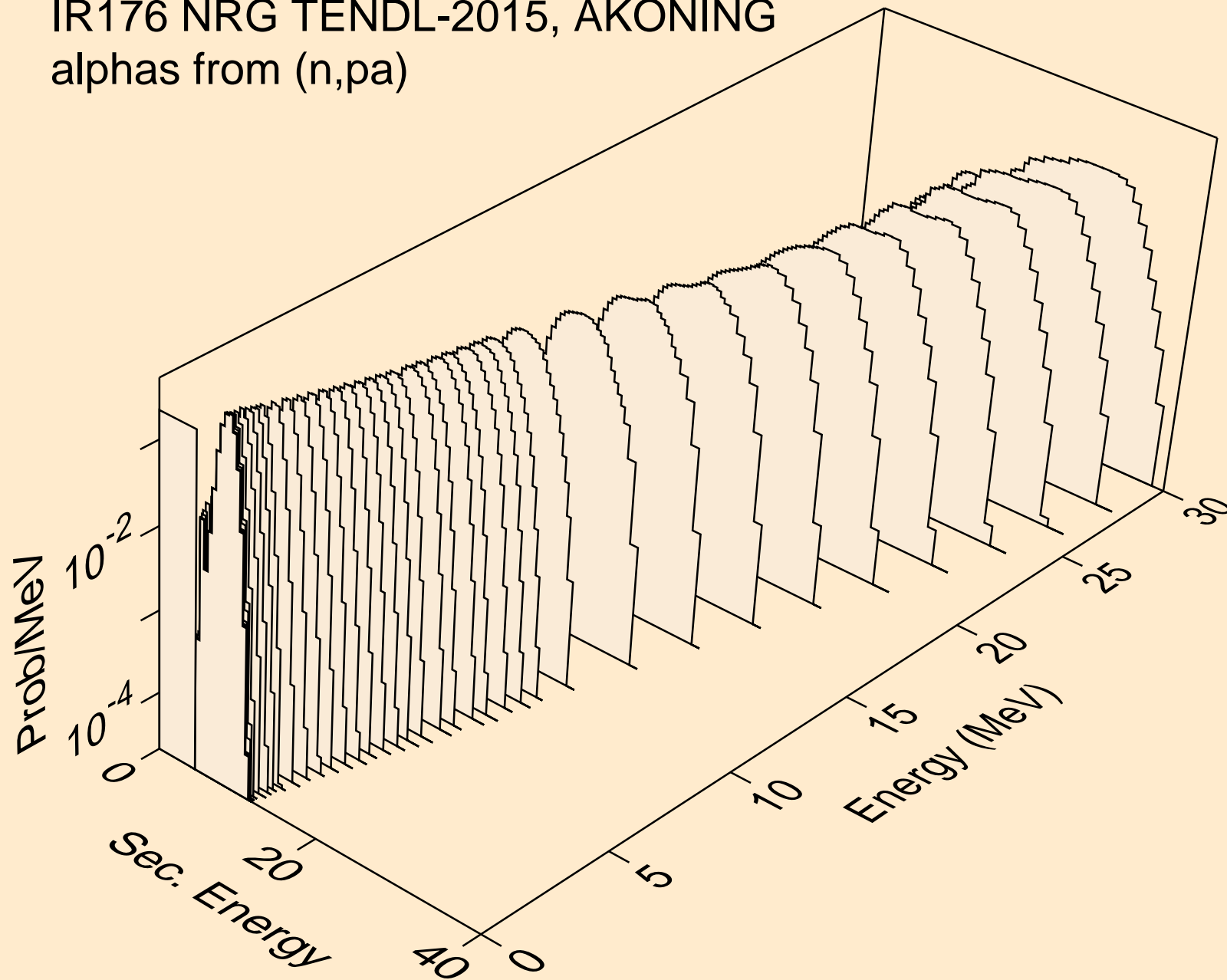
IR176 NRG TENDL-2015, AKONING  
alphas from (n,2a)



IR176 NRG TENDL-2015, AKONING  
alphas from (n,3a)

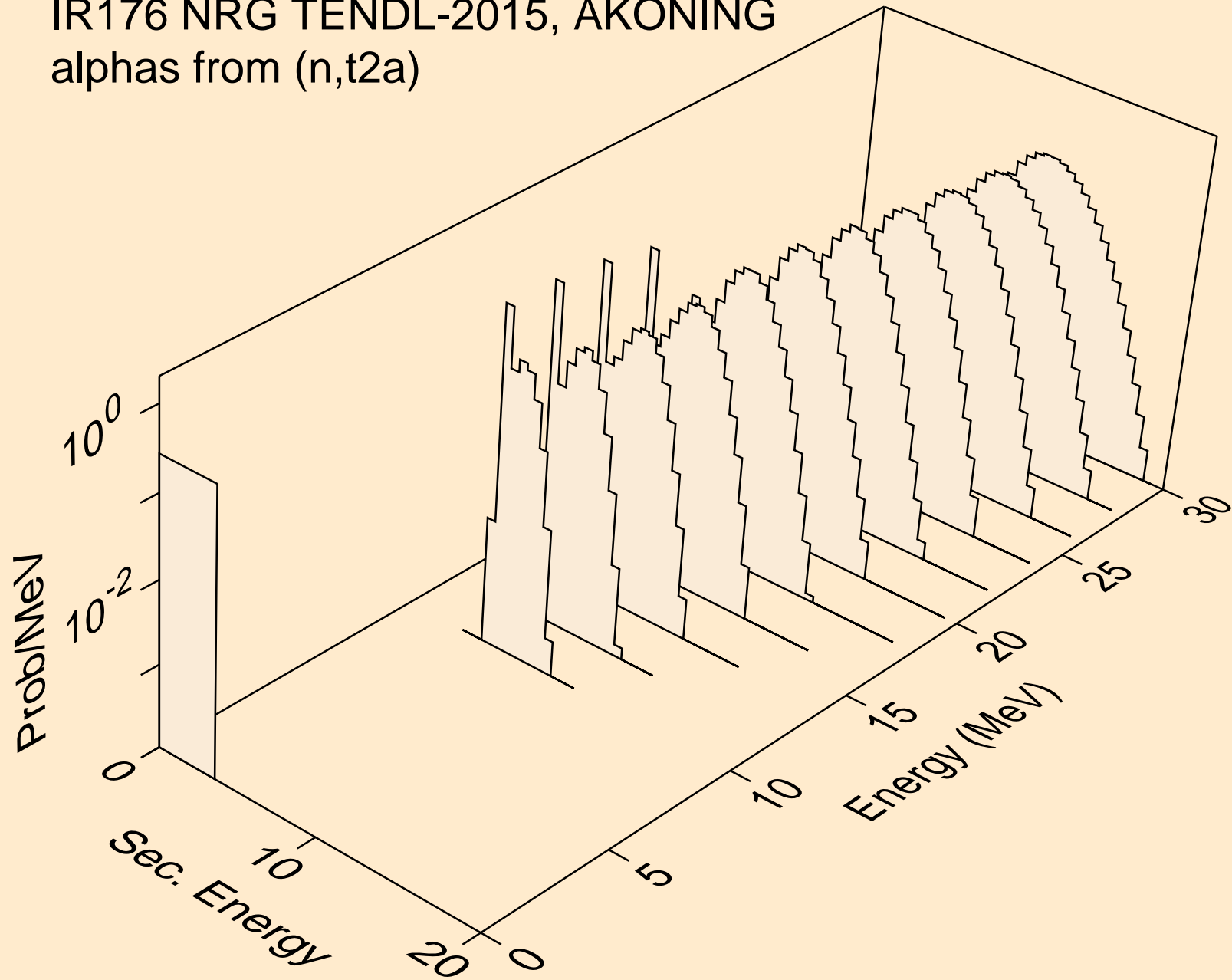


IR176 NRG TENDL-2015, AKONING  
alphas from (n,pa)

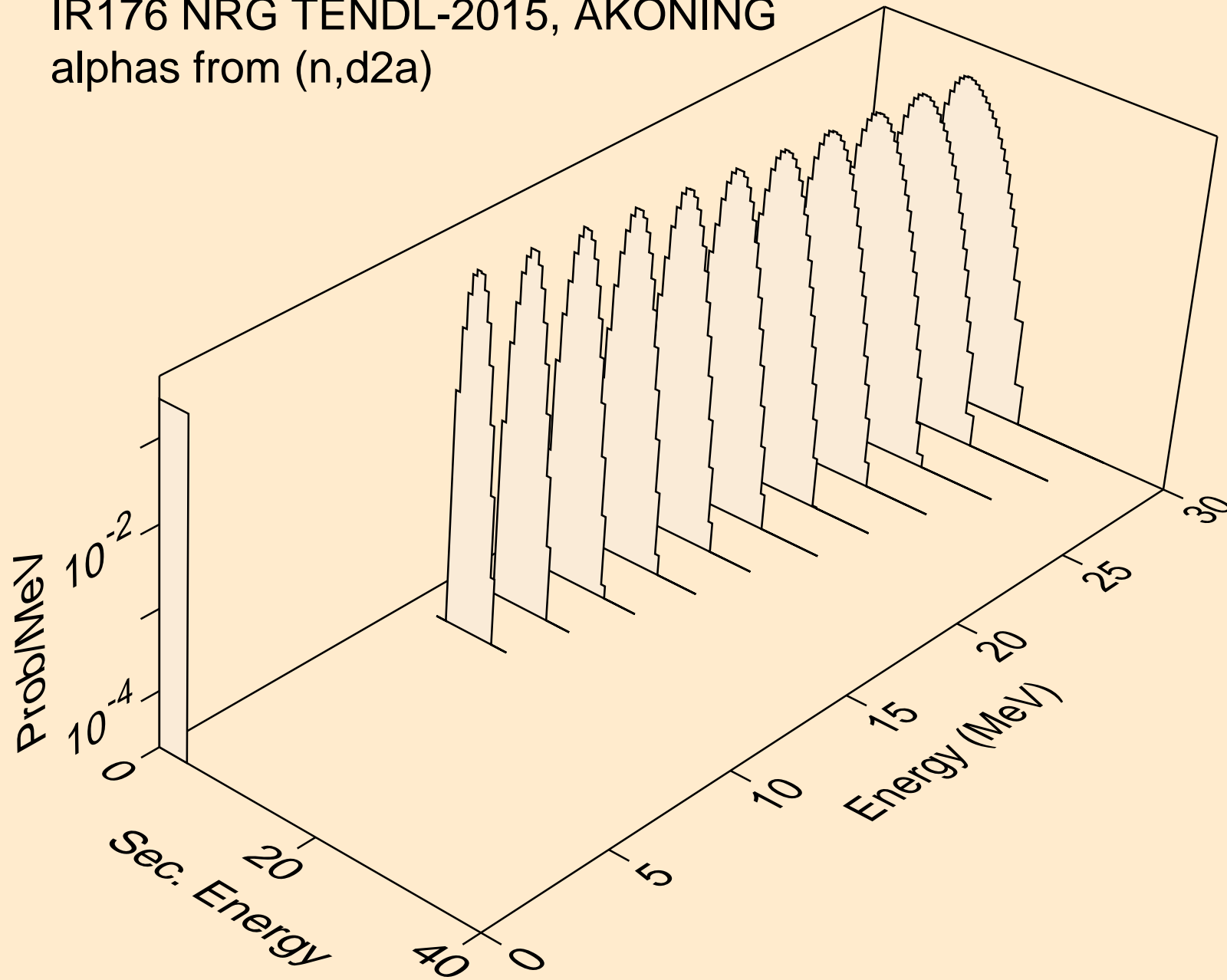




IR176 NRG TENDL-2015, AKONING  
alphas from (n,t2a)



IR176 NRG TENDL-2015, AKONING  
alphas from (n,d2a)



IR176 NRG TENDL-2015, AKONING  
alphas from (n,da)

