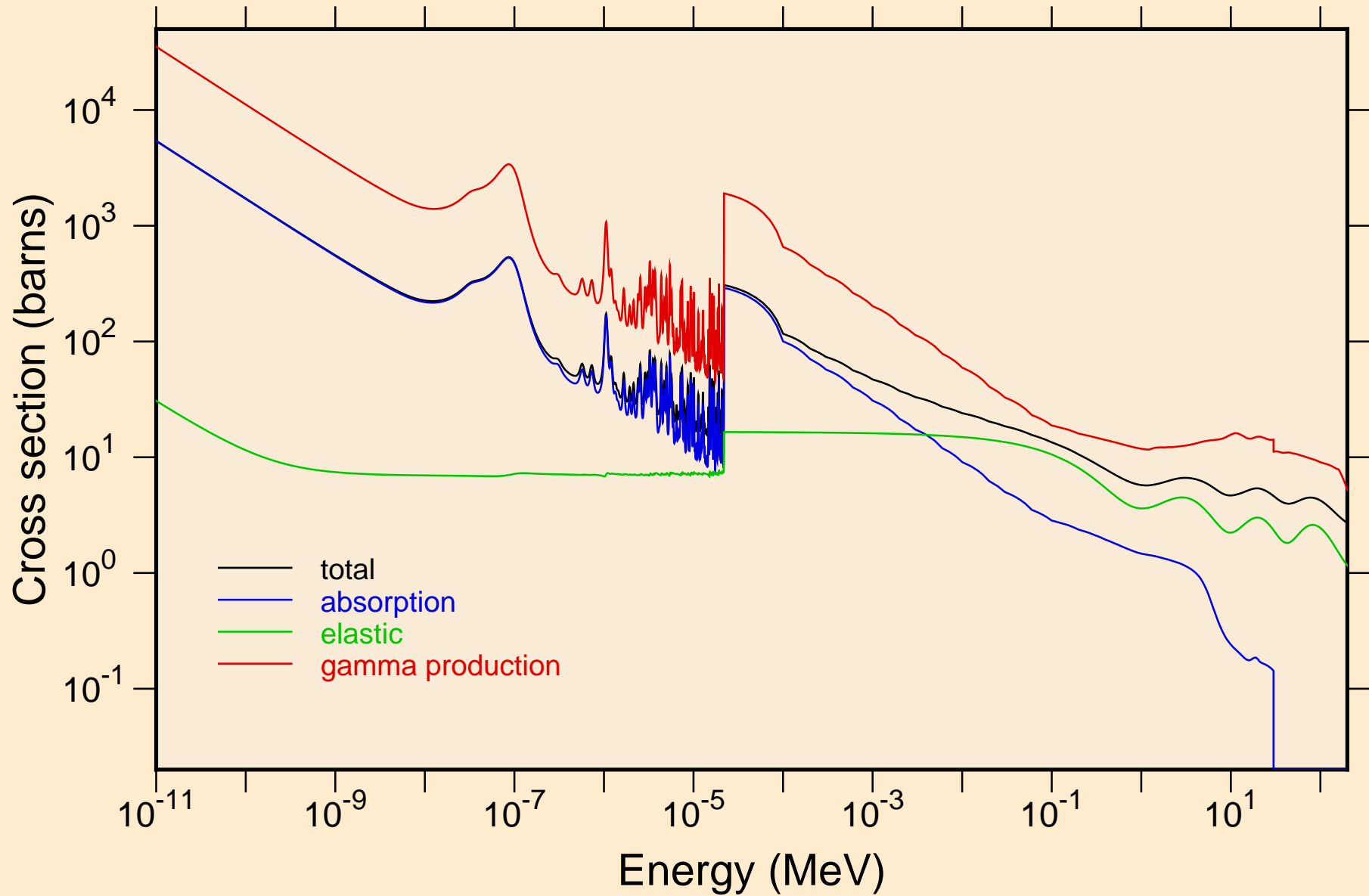
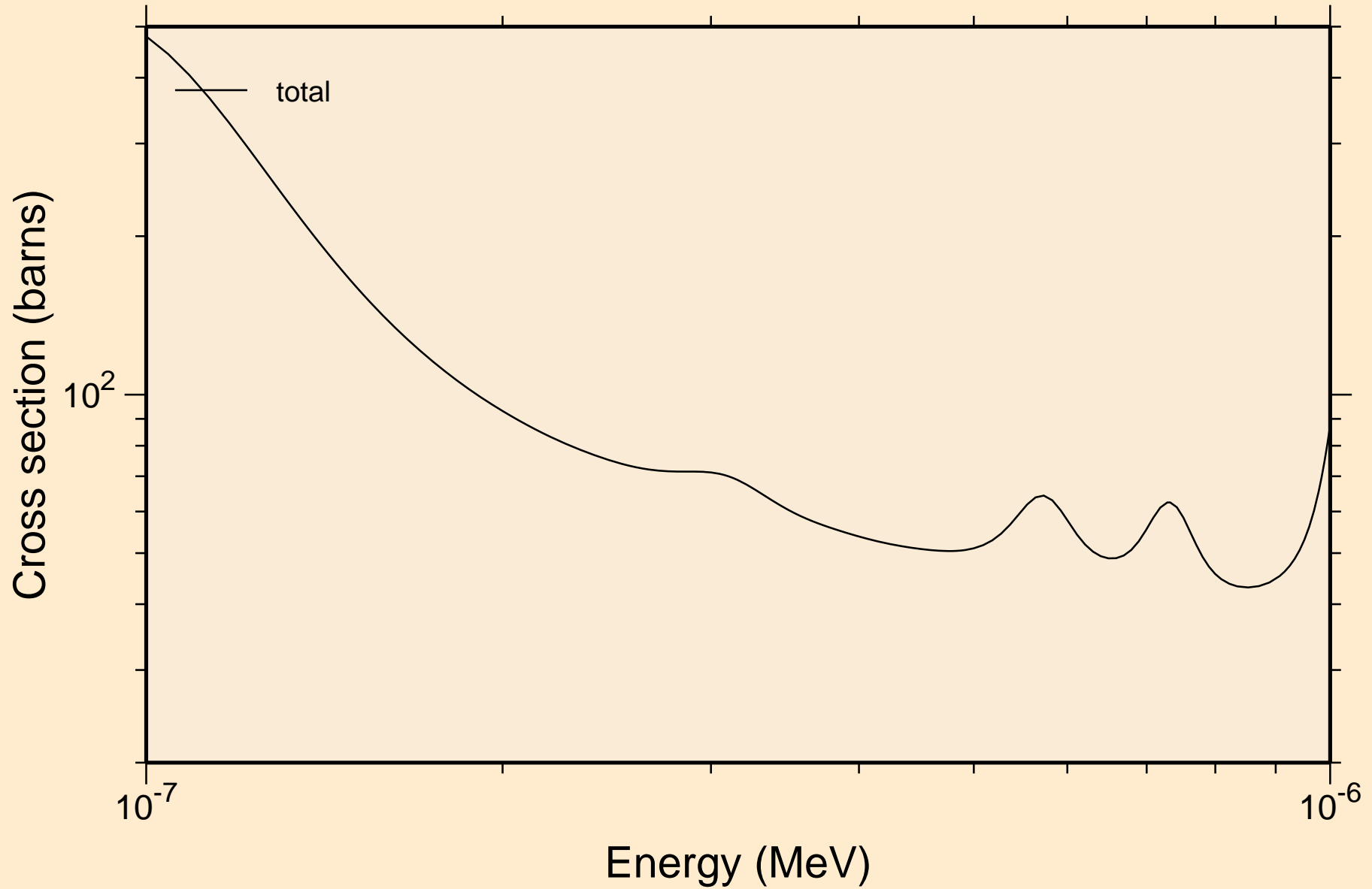


# IR177 NRG TENDL-2015, AKONING

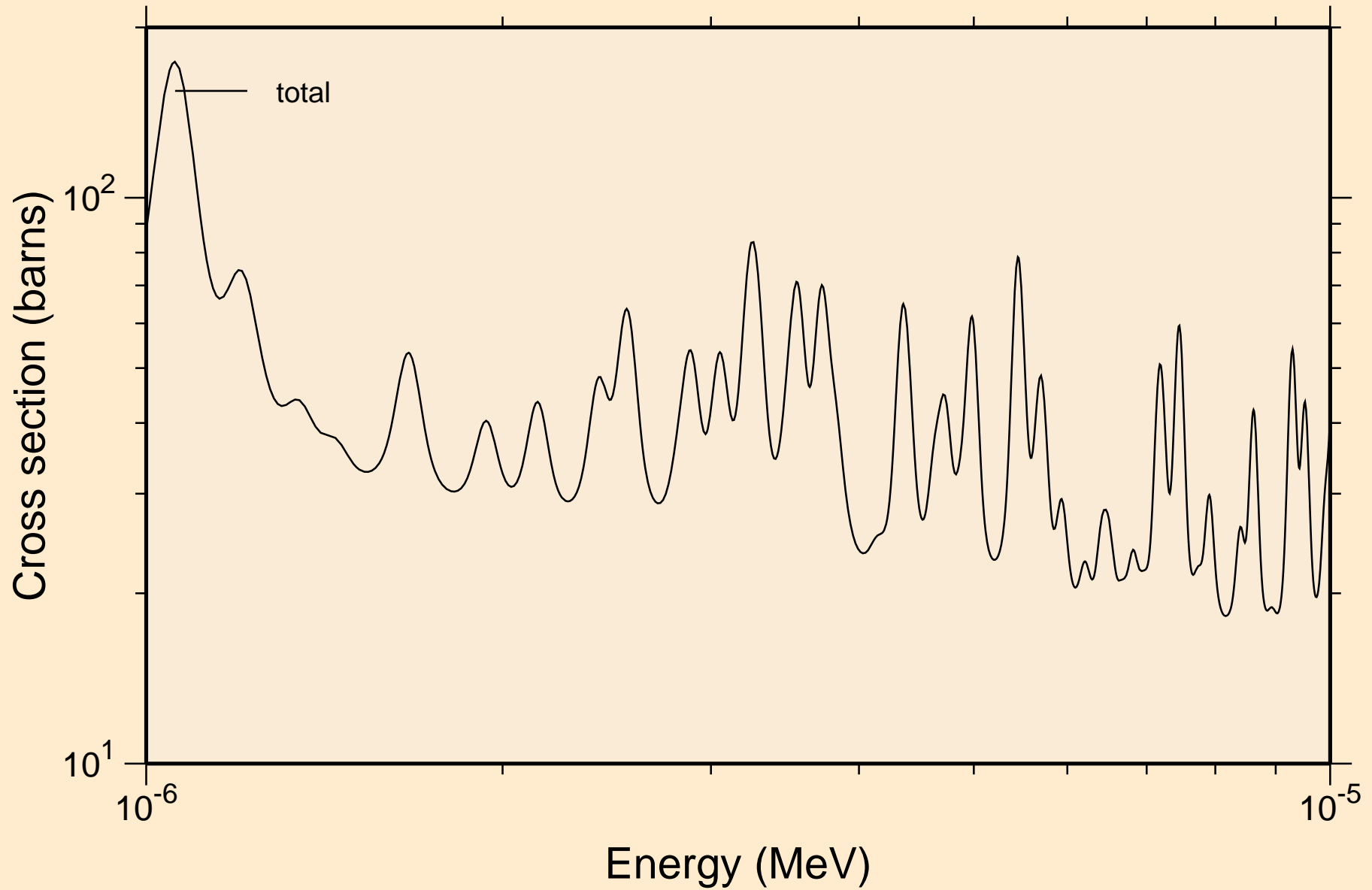
## Principal cross sections



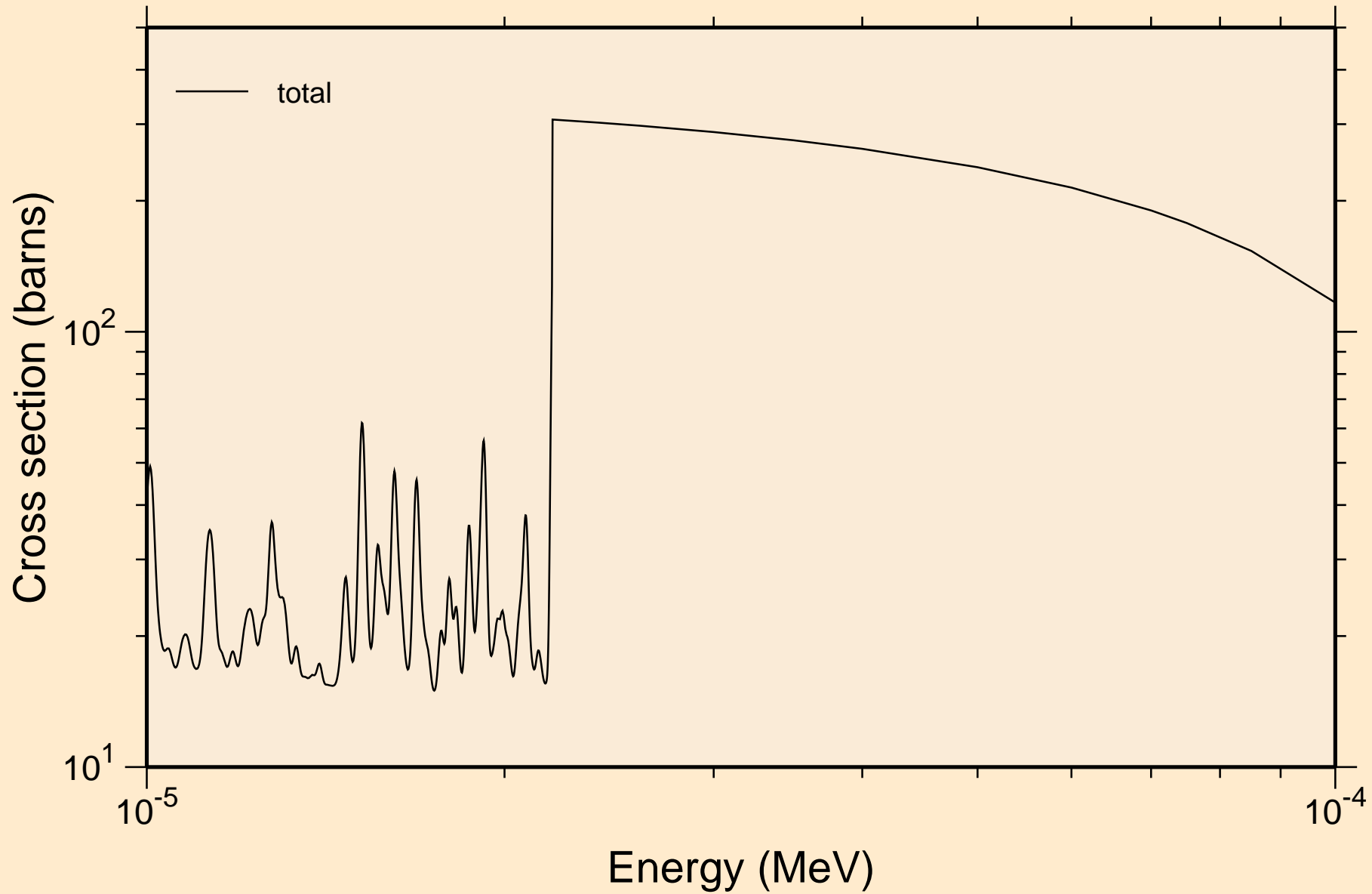
IR177 NRG TENDL-2015, AKONING  
resonance total cross section



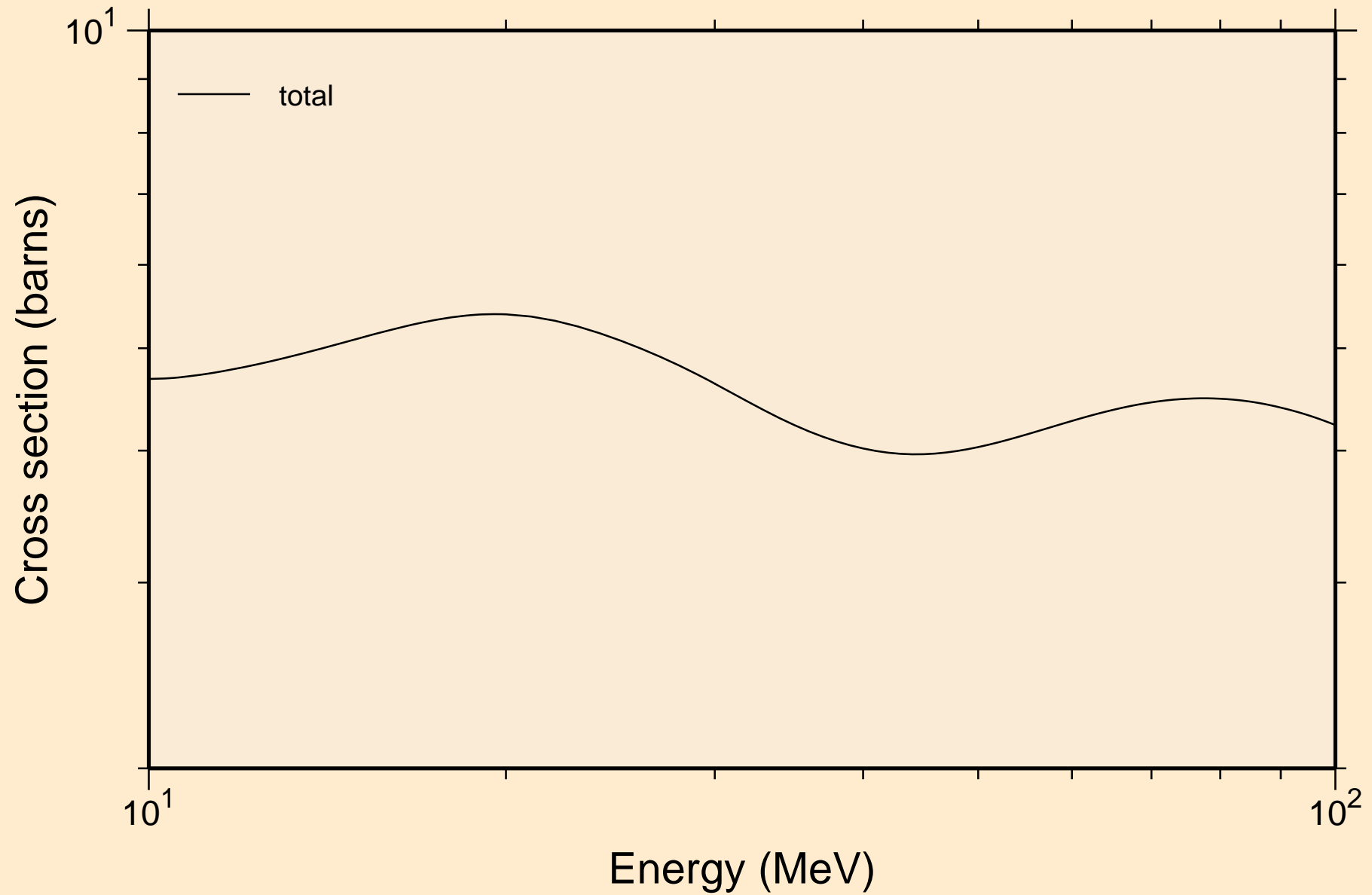
IR177 NRG TENDL-2015, AKONING  
resonance total cross section



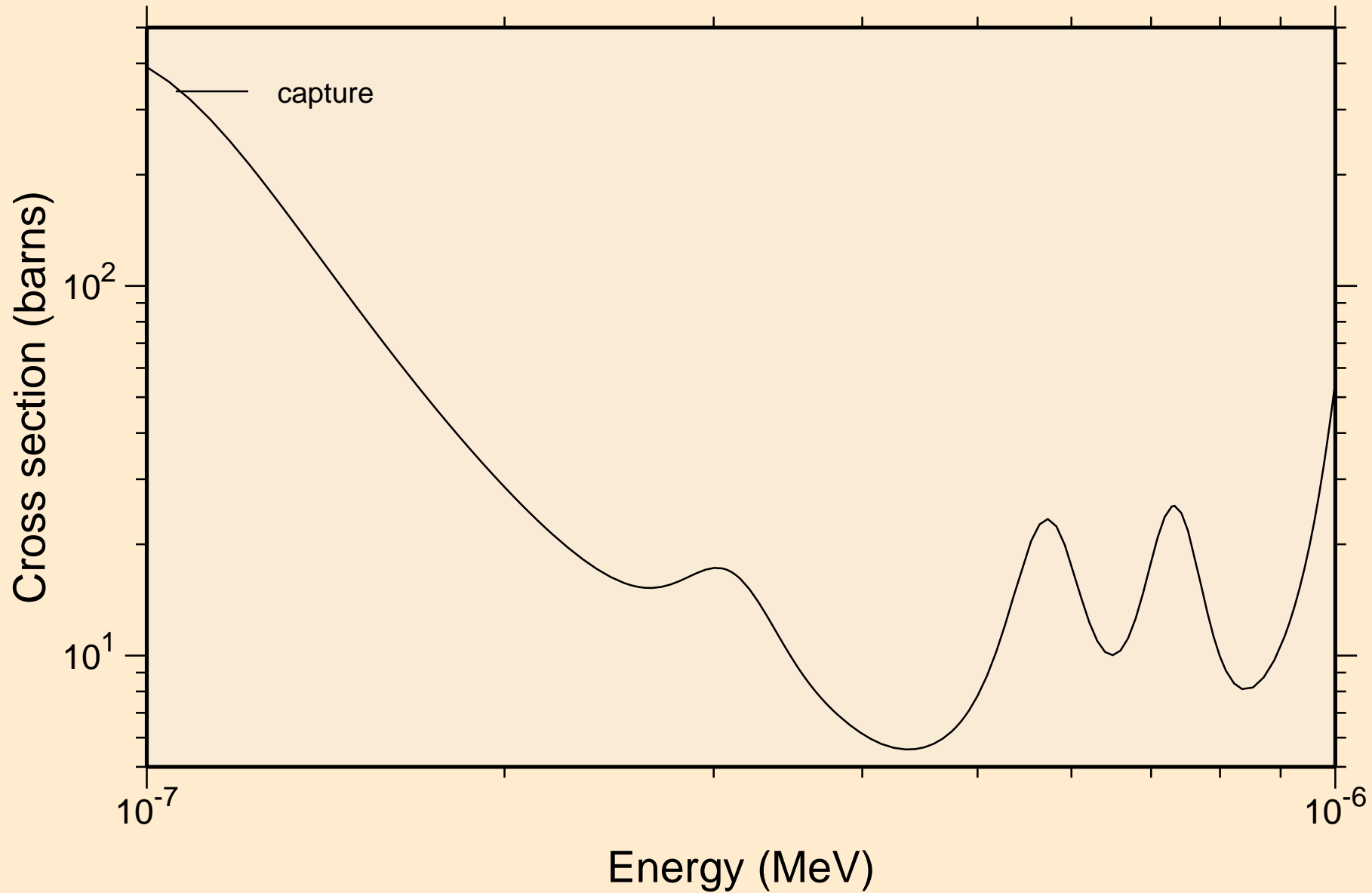
IR177 NRG TENDL-2015, AKONING  
resonance total cross section



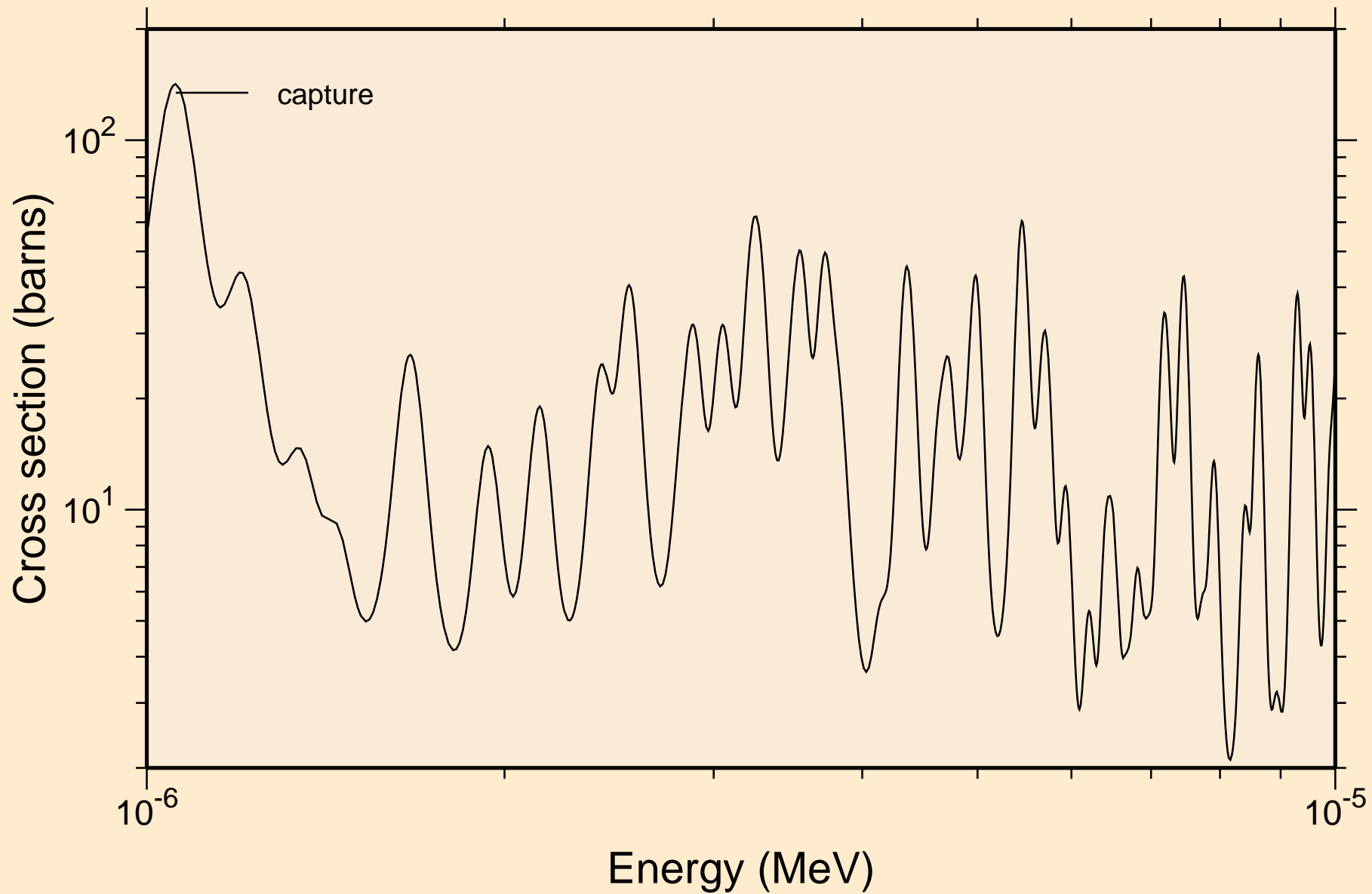
IR177 NRG TENDL-2015, AKONING  
resonance total cross section



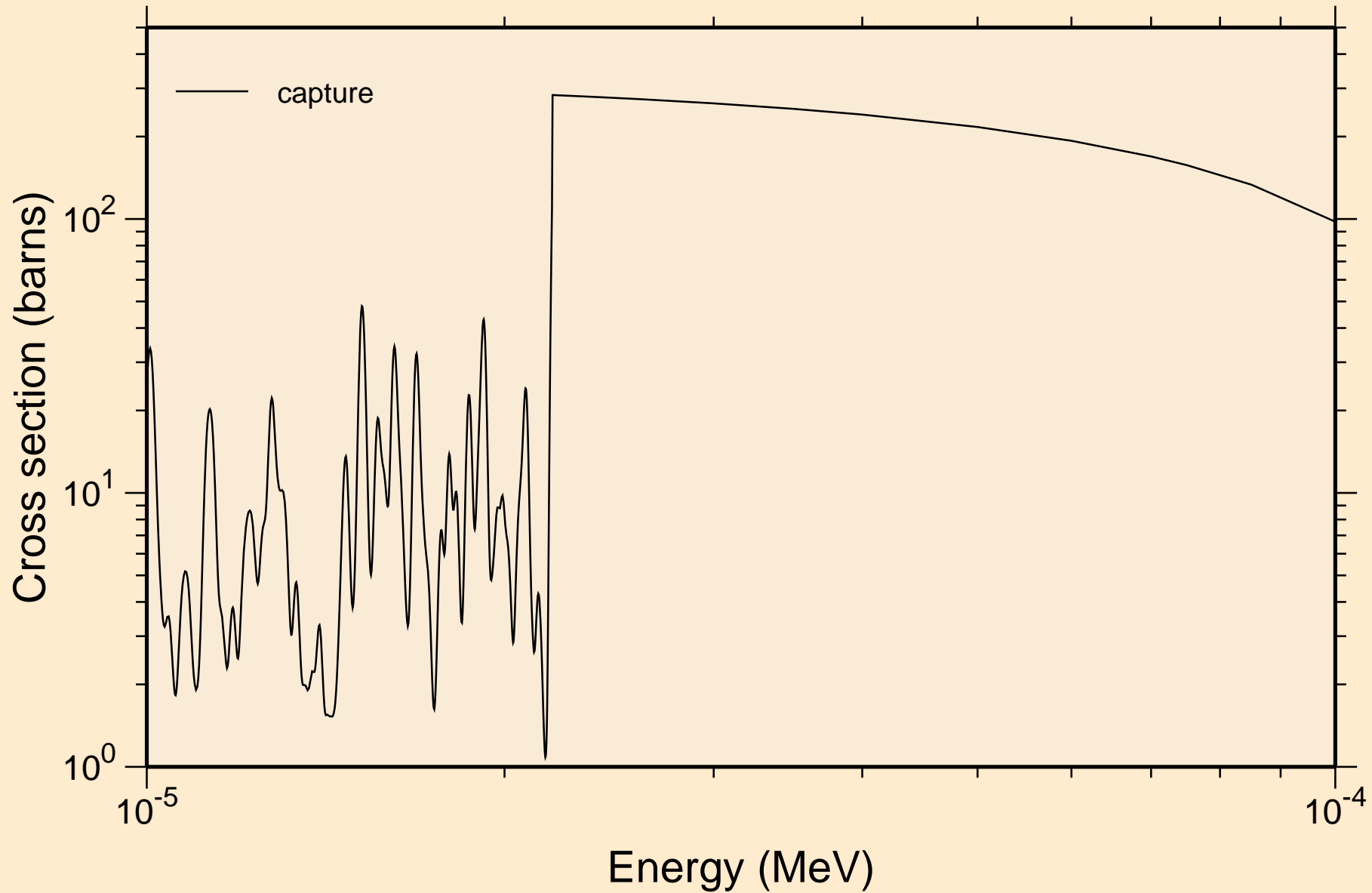
IR177 NRG TENDL-2015, AKONING  
resonance absorption cross sections



IR177 NRG TENDL-2015, AKONING  
resonance absorption cross sections

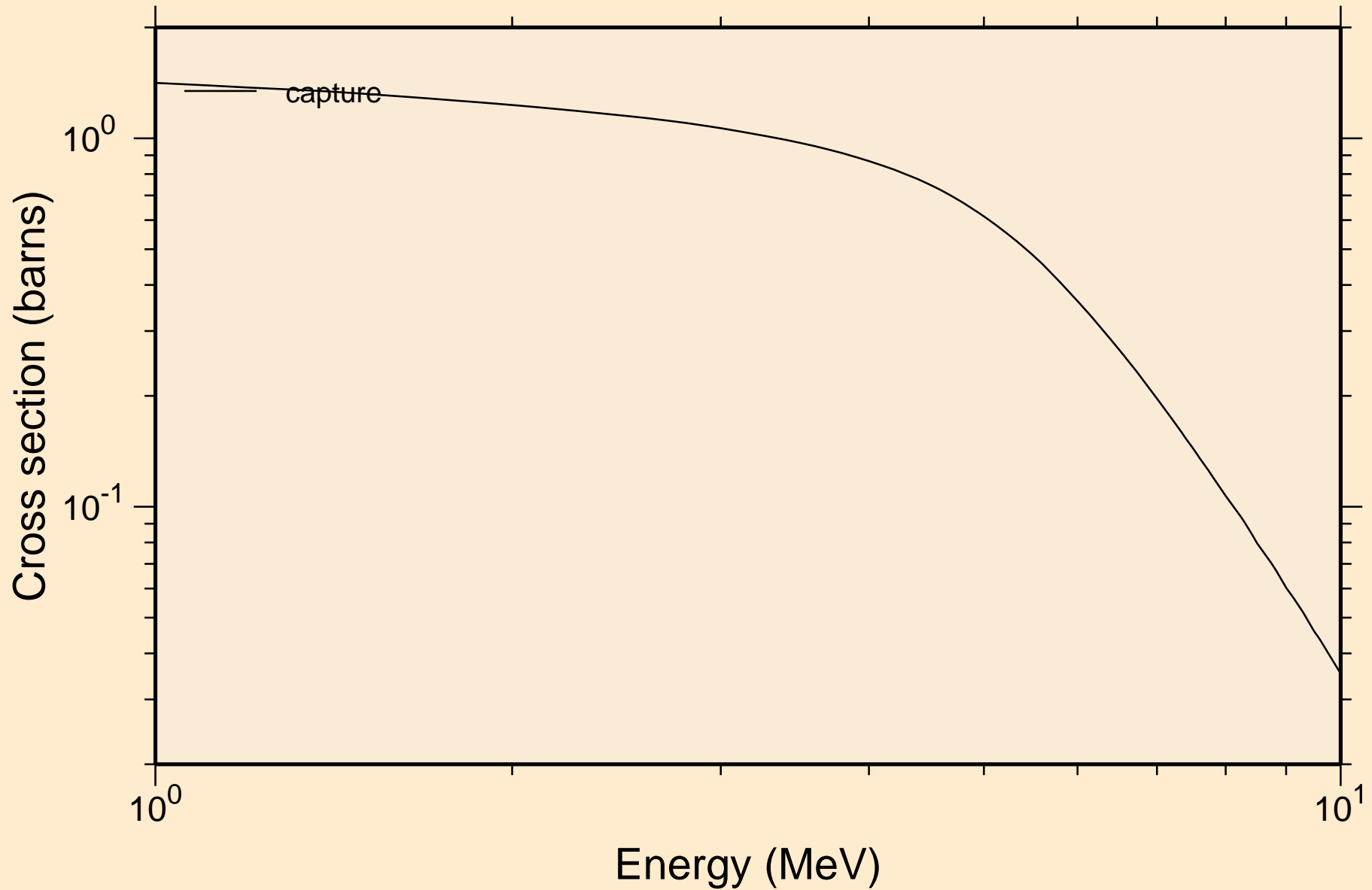


IR177 NRG TENDL-2015, AKONING  
resonance absorption cross sections



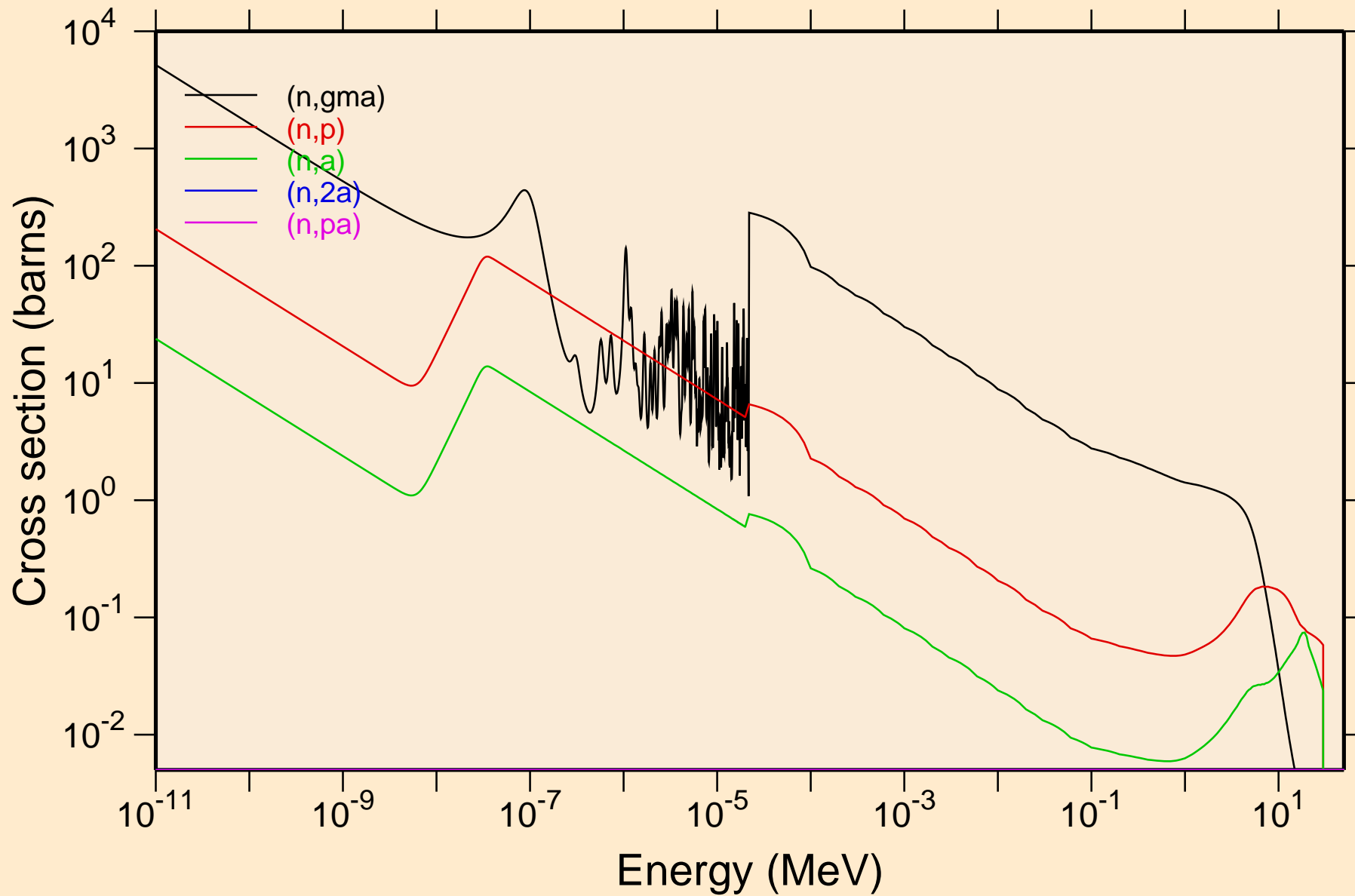


IR177 NRG TENDL-2015, AKONING  
resonance absorption cross sections



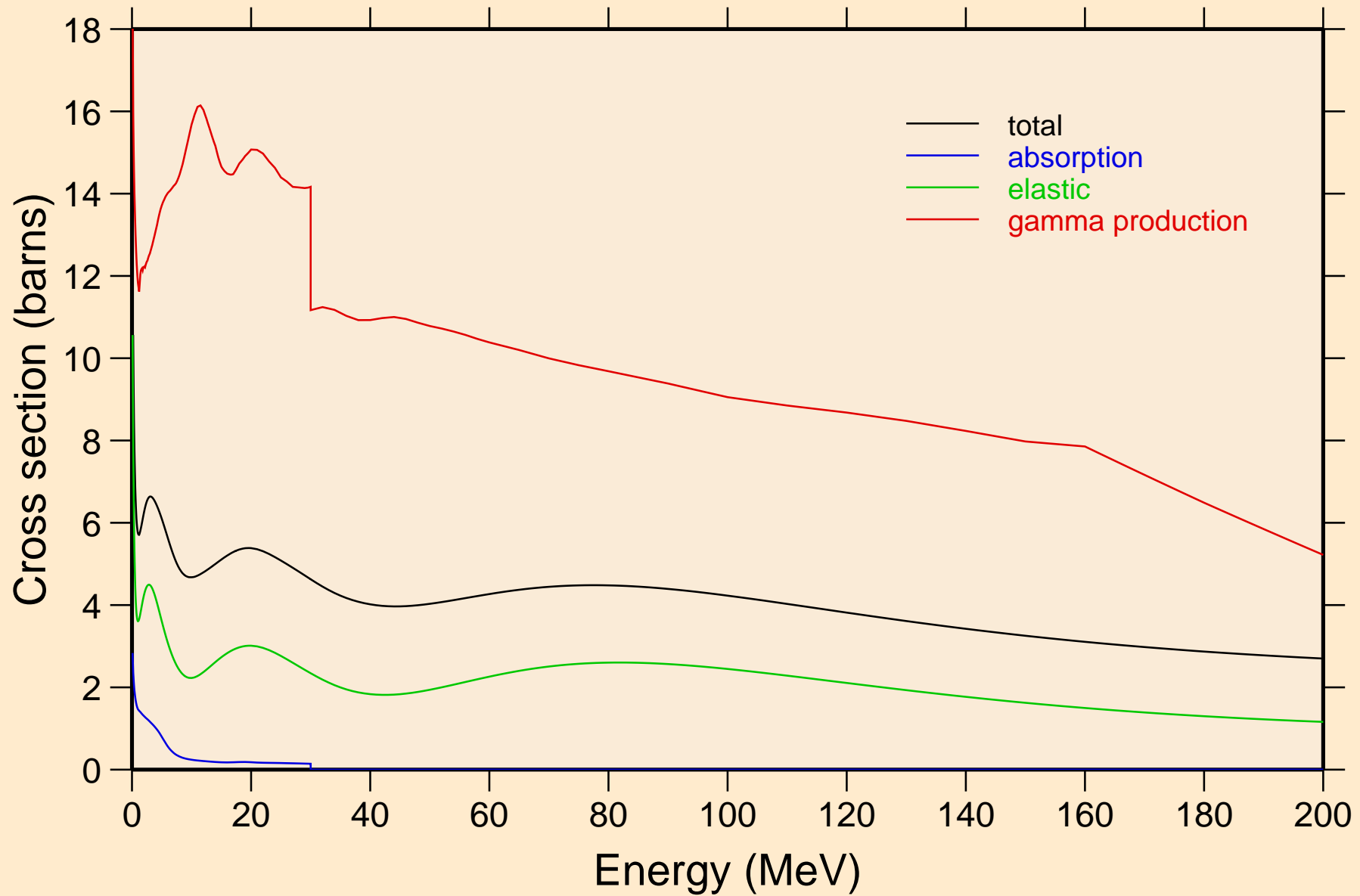
# IR177 NRG TENDL-2015, AKONING

## Non-threshold reactions



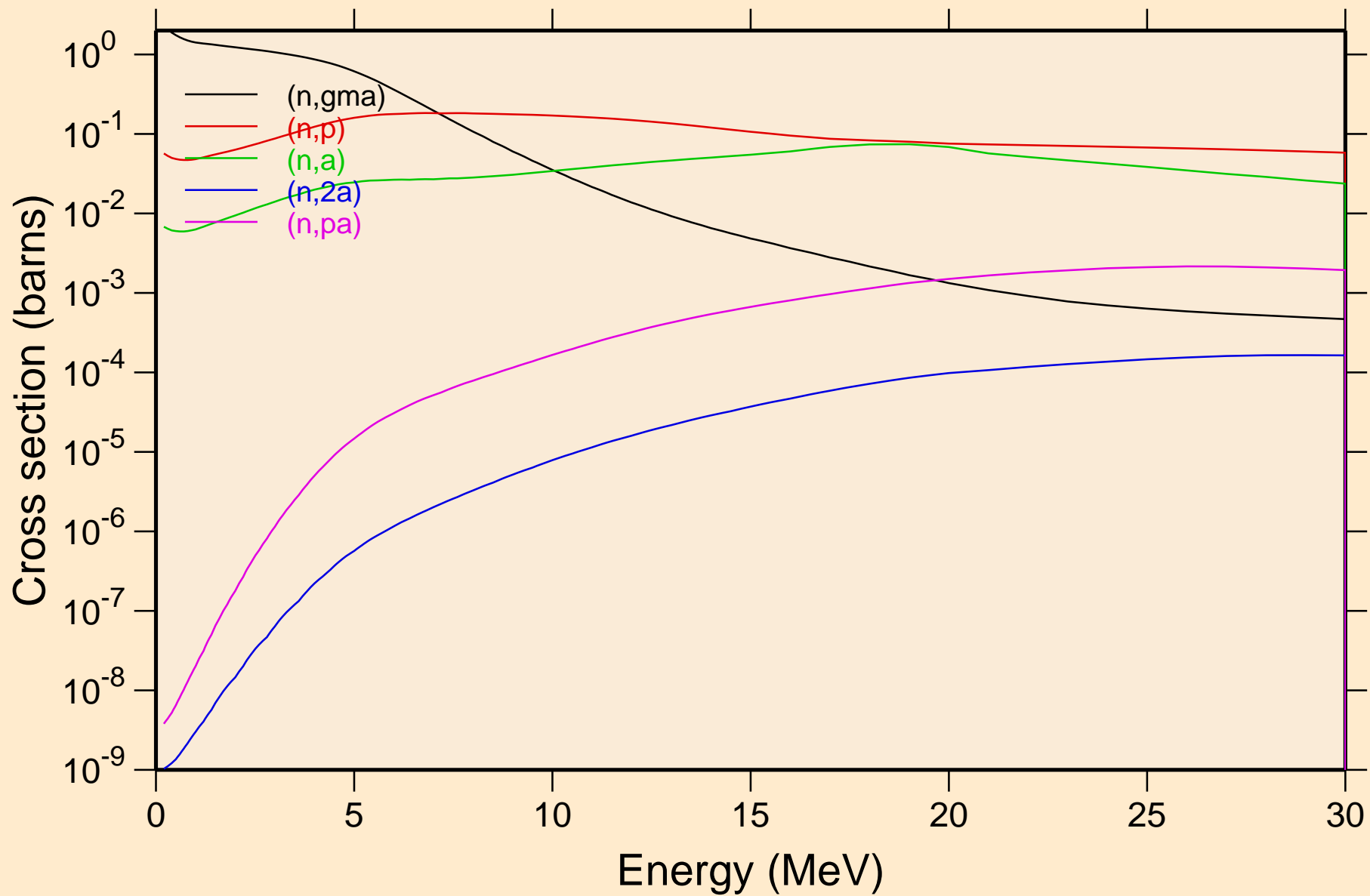
# IR177 NRG TENDL-2015, AKONING

## Principal cross sections



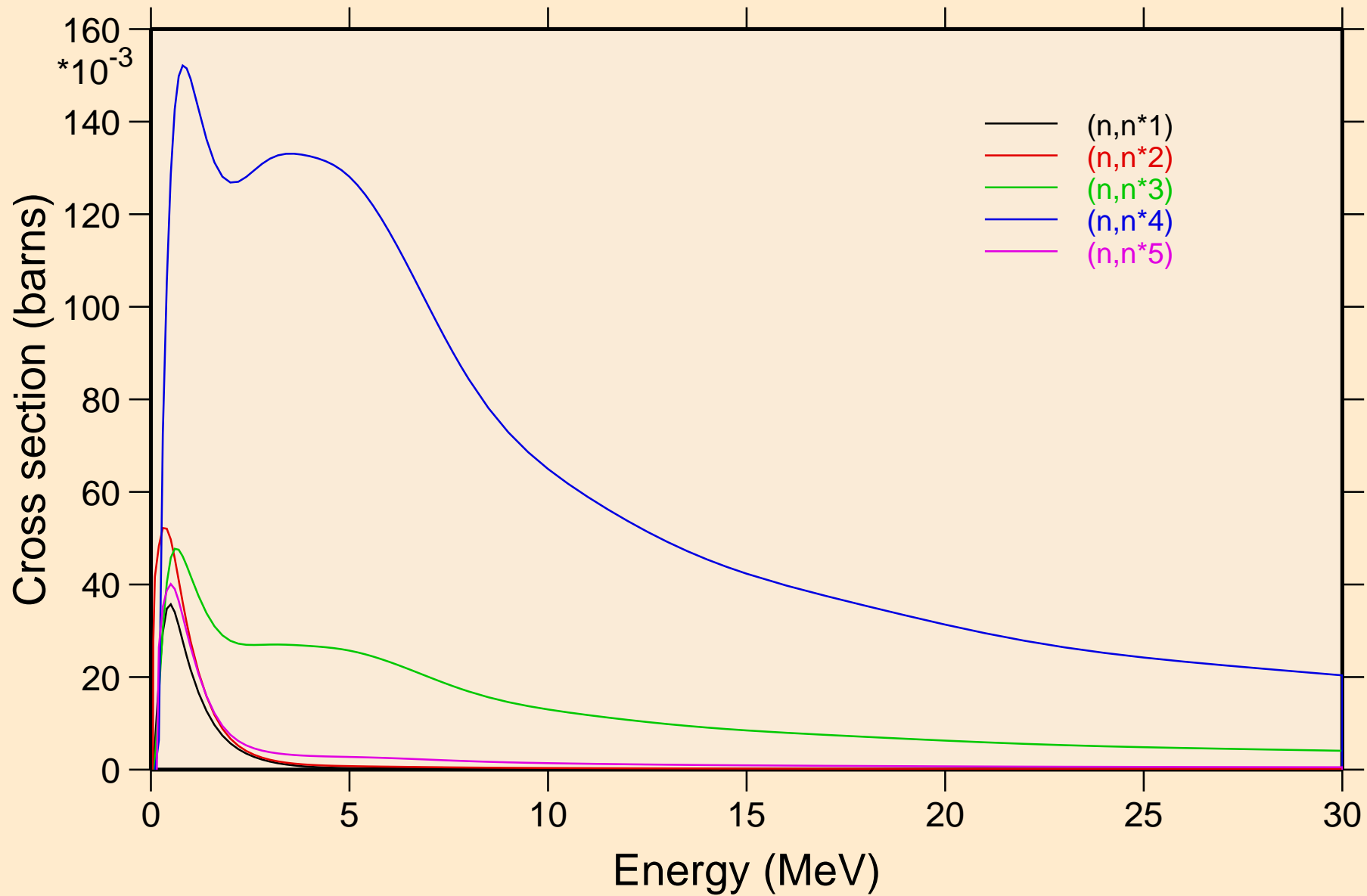
# IR177 NRG TENDL-2015, AKONING

## Non-threshold reactions



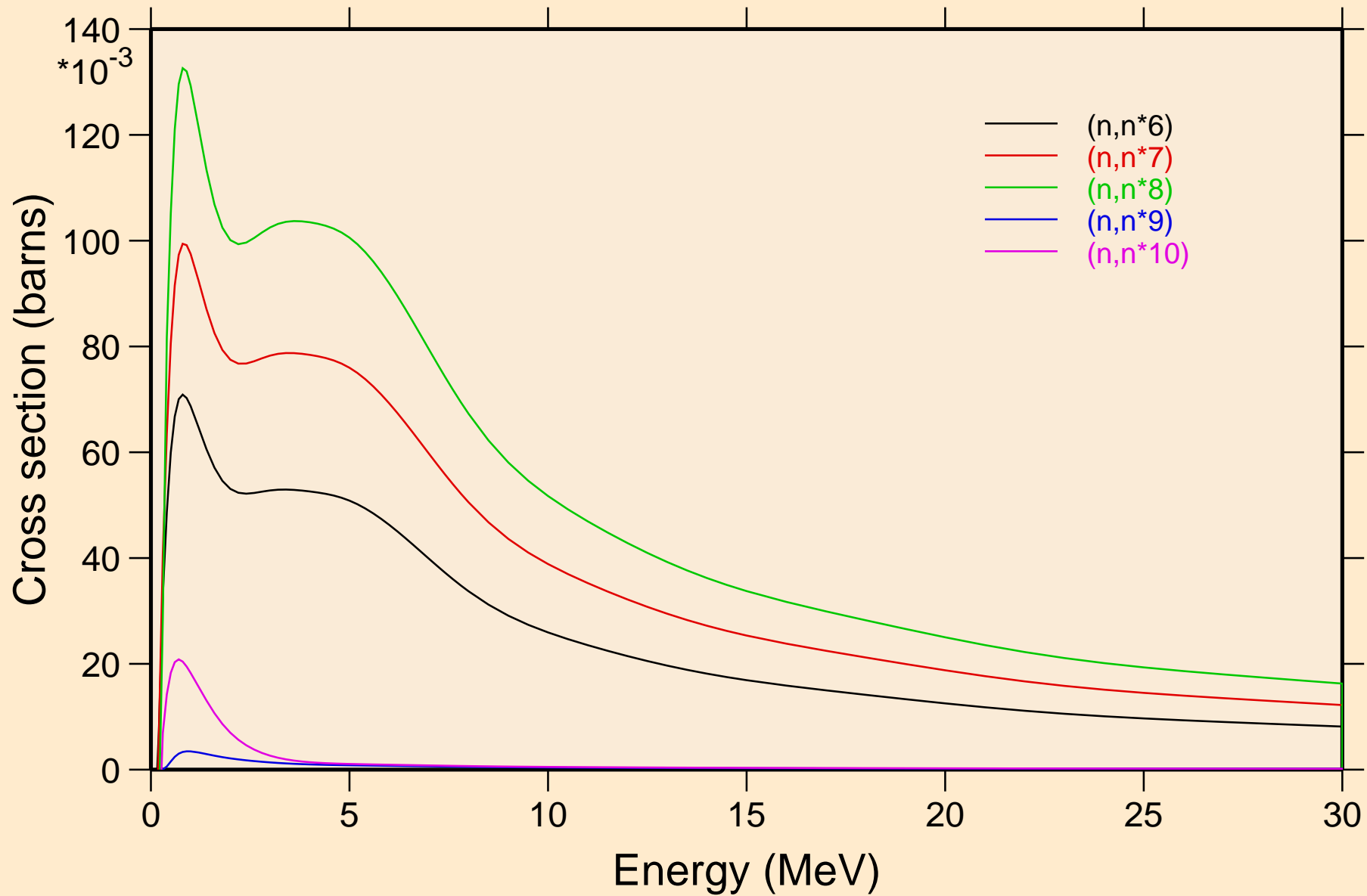
# IR177 NRG TENDL-2015, AKONING

## Inelastic levels



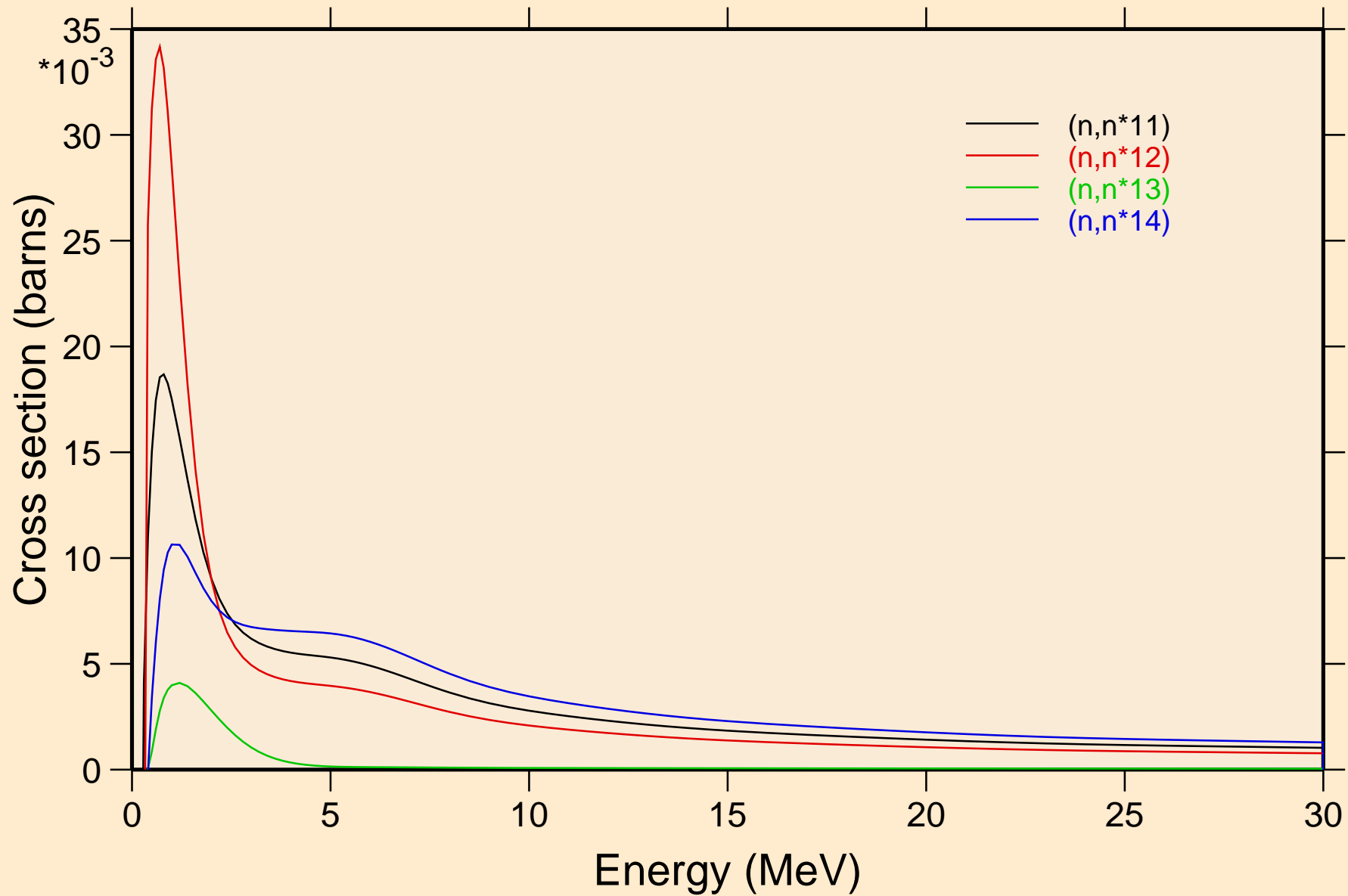
# IR177 NRG TENDL-2015, AKONING

## Inelastic levels



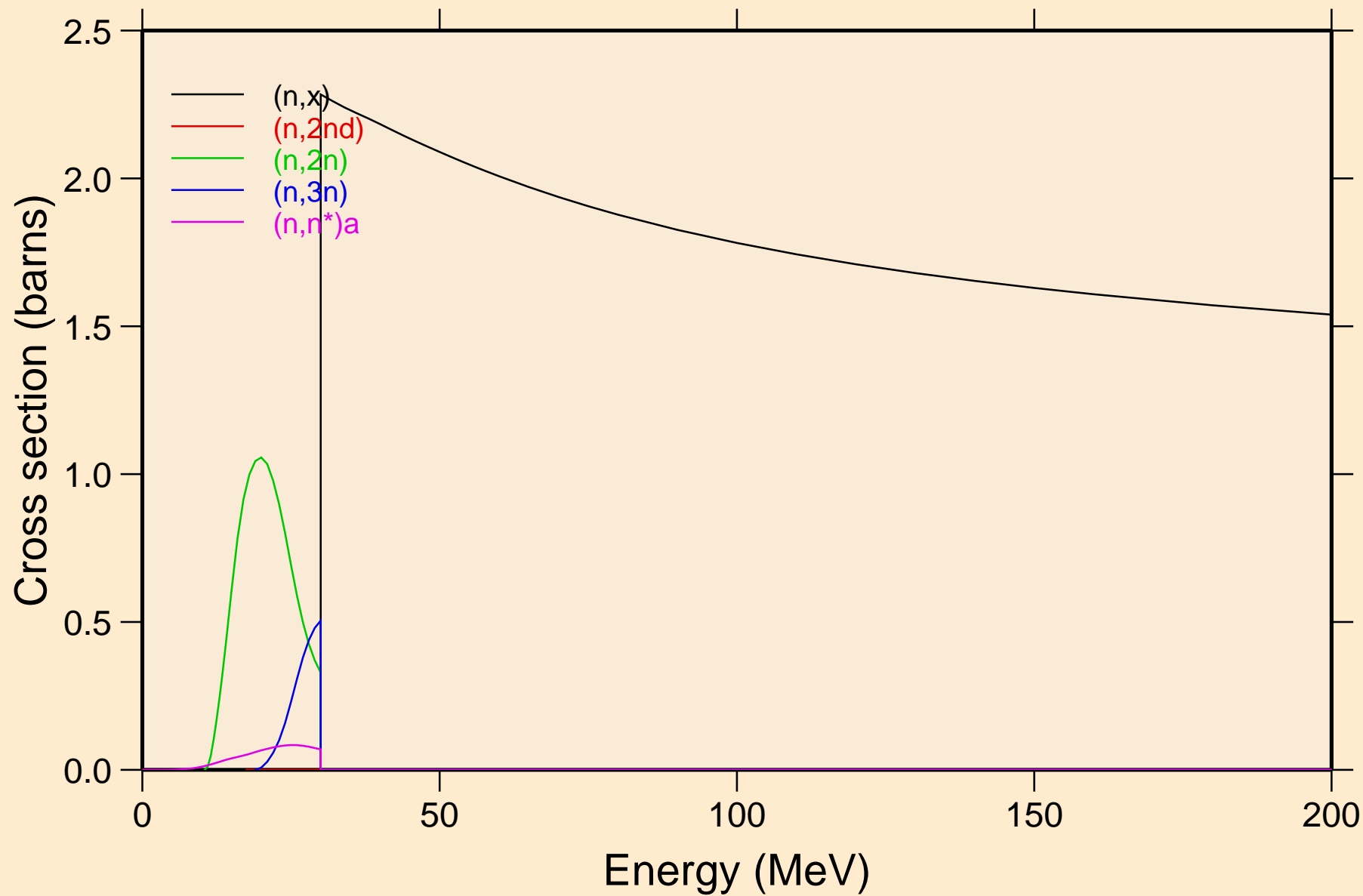
# IR177 NRG TENDL-2015, AKONING

## Inelastic levels



# IR177 NRG TENDL-2015, AKONING

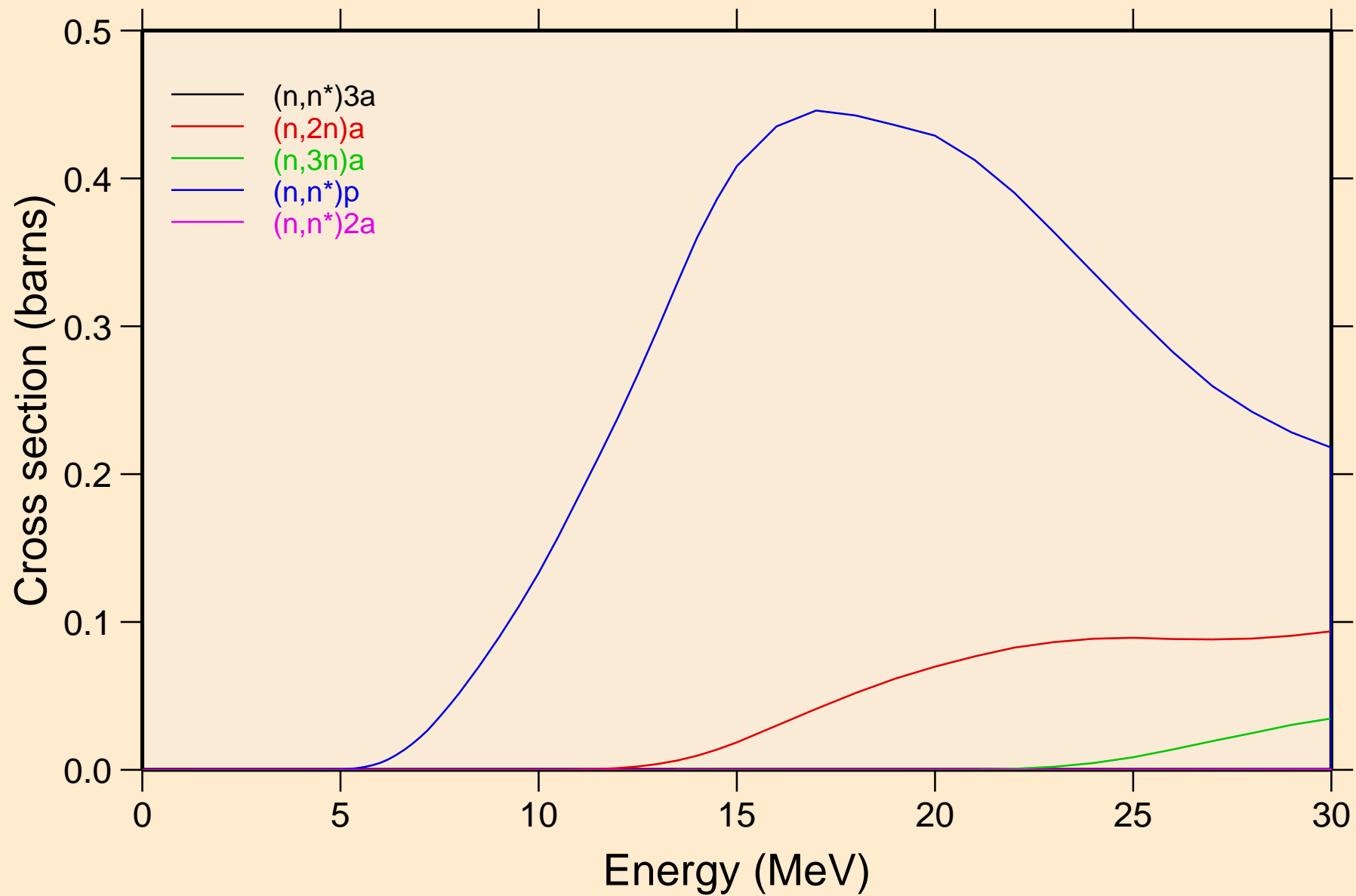
## Threshold reactions





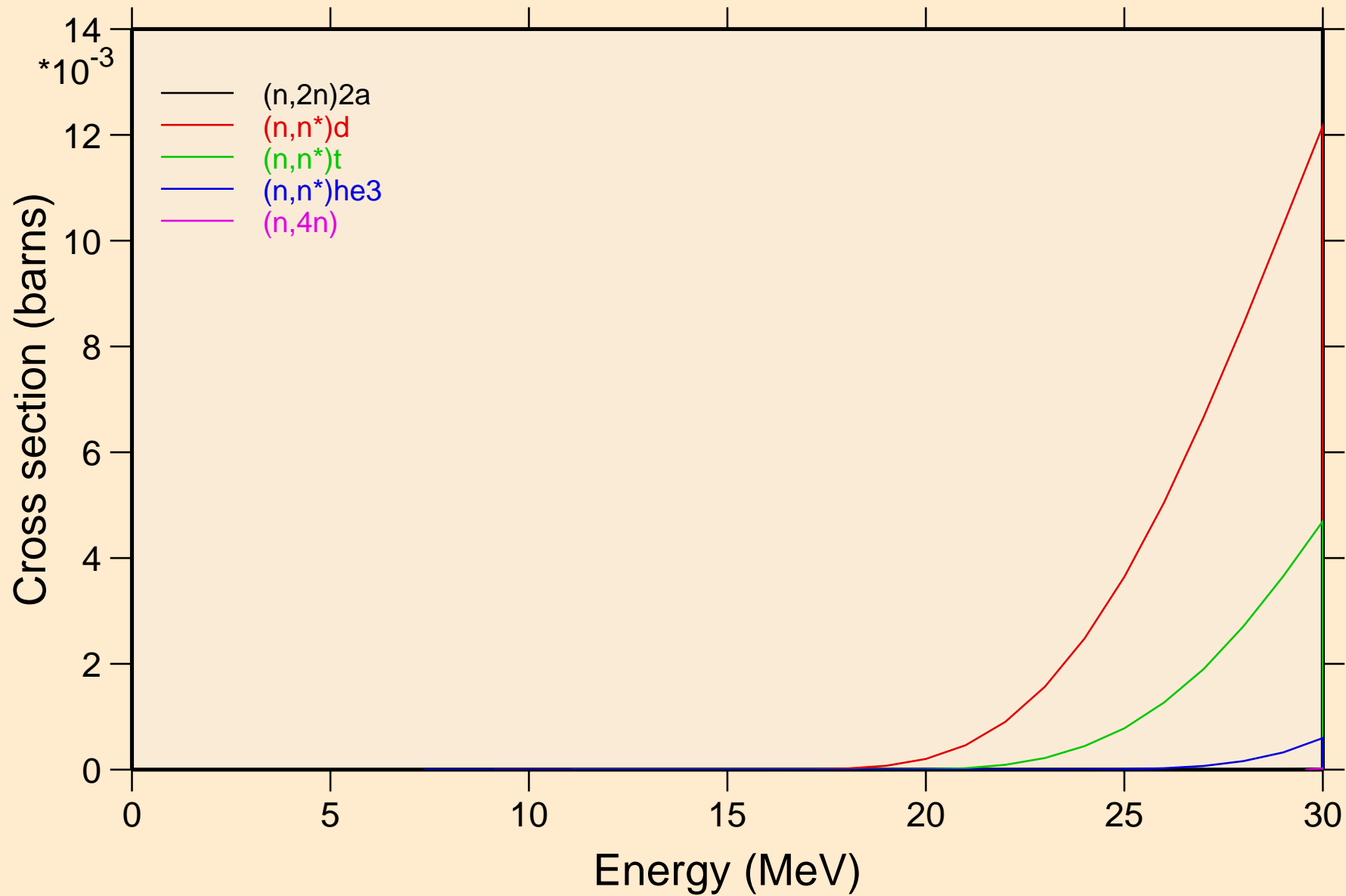
# IR177 NRG TENDL-2015, AKONING

## Threshold reactions



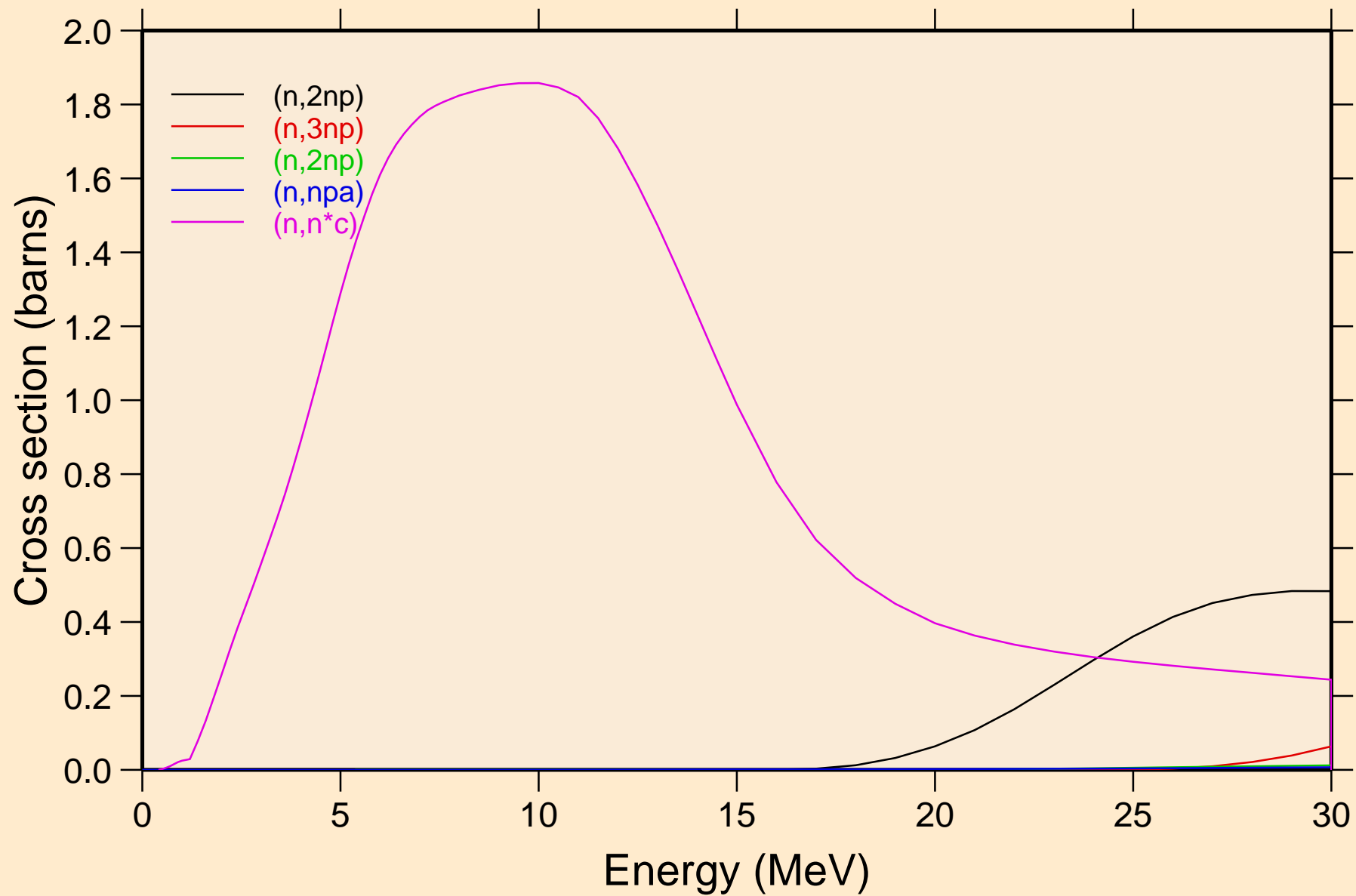
# IR177 NRG TENDL-2015, AKONING

## Threshold reactions



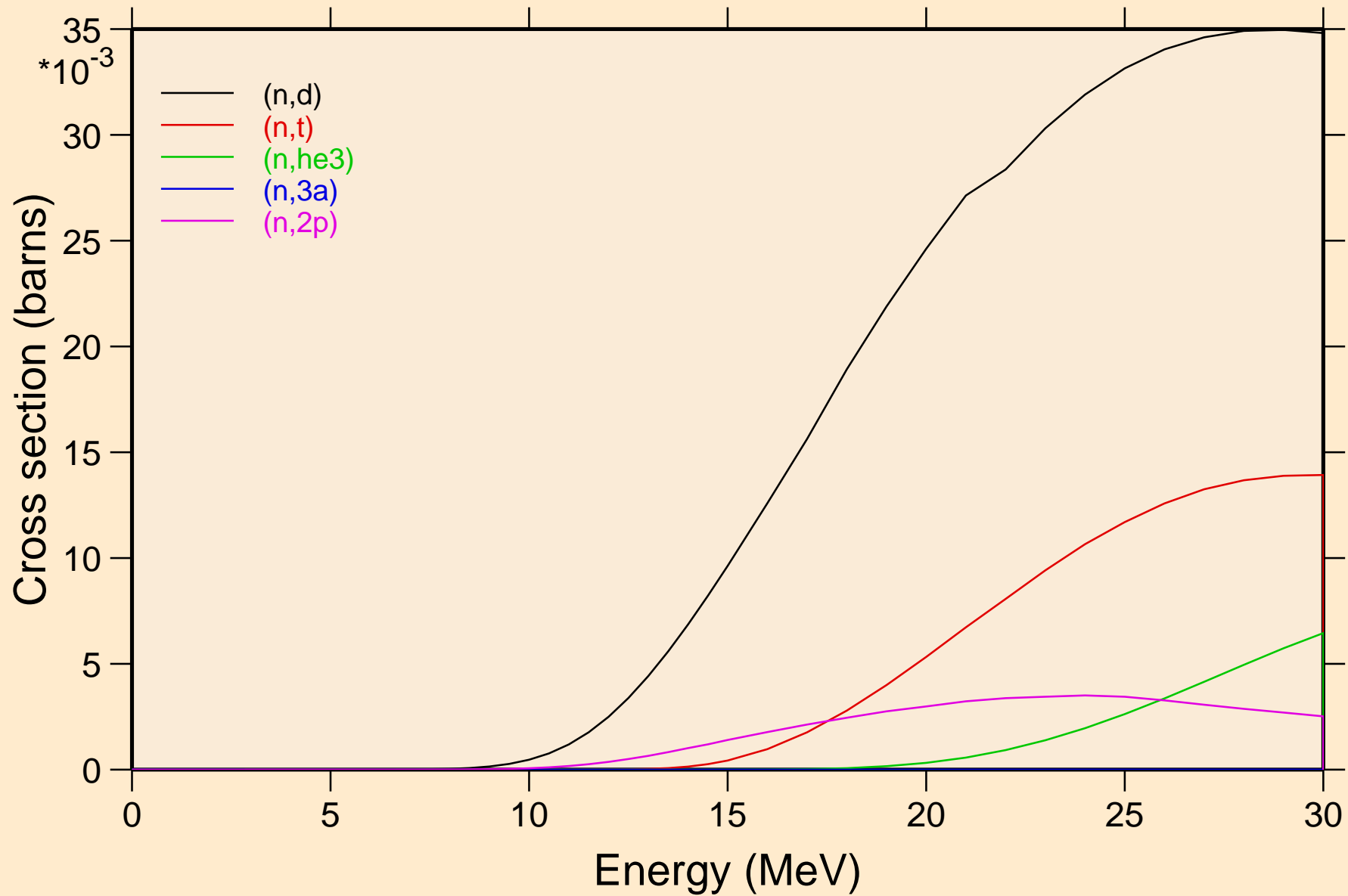
# IR177 NRG TENDL-2015, AKONING

## Threshold reactions



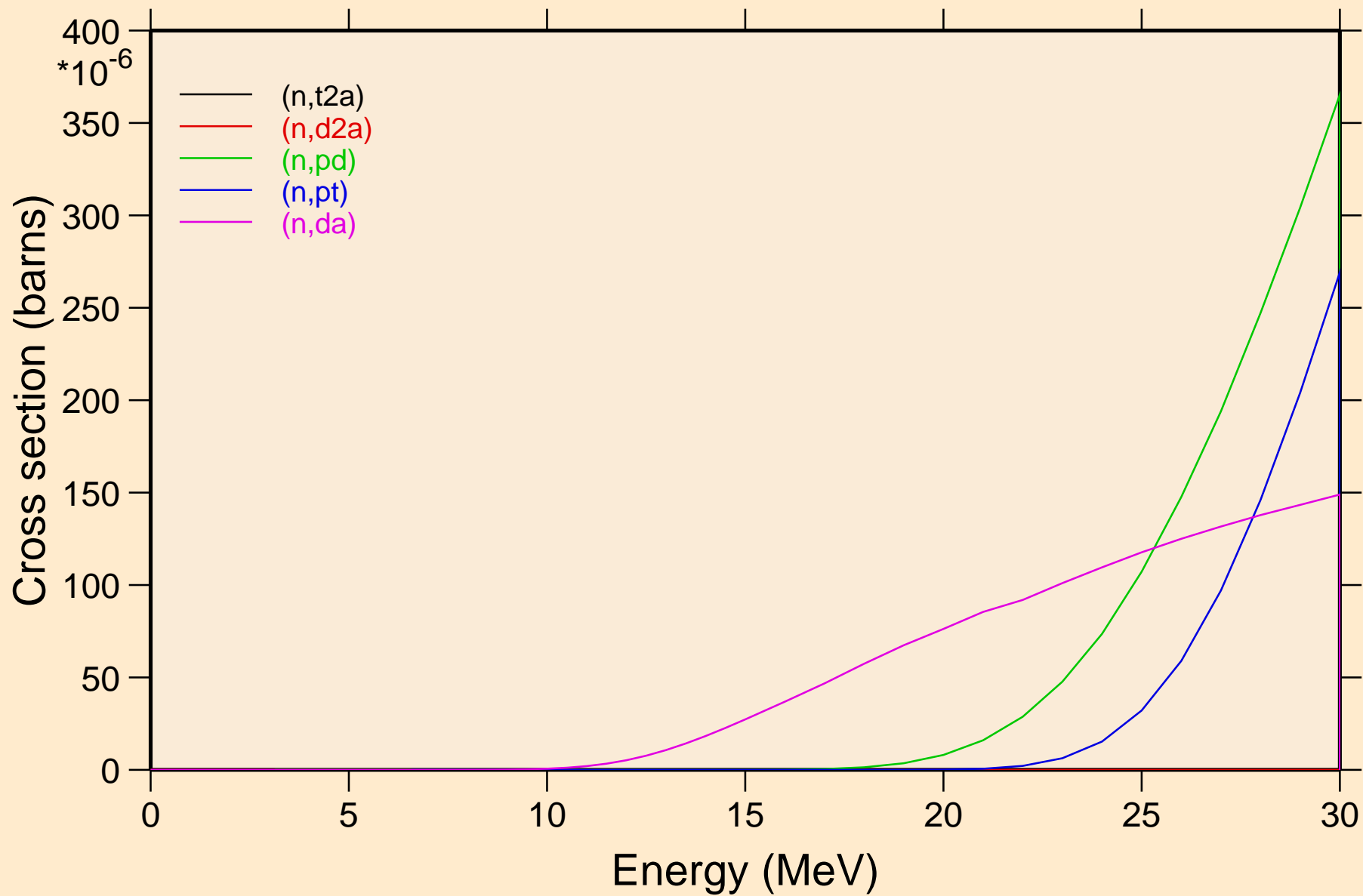
# IR177 NRG TENDL-2015, AKONING

## Threshold reactions

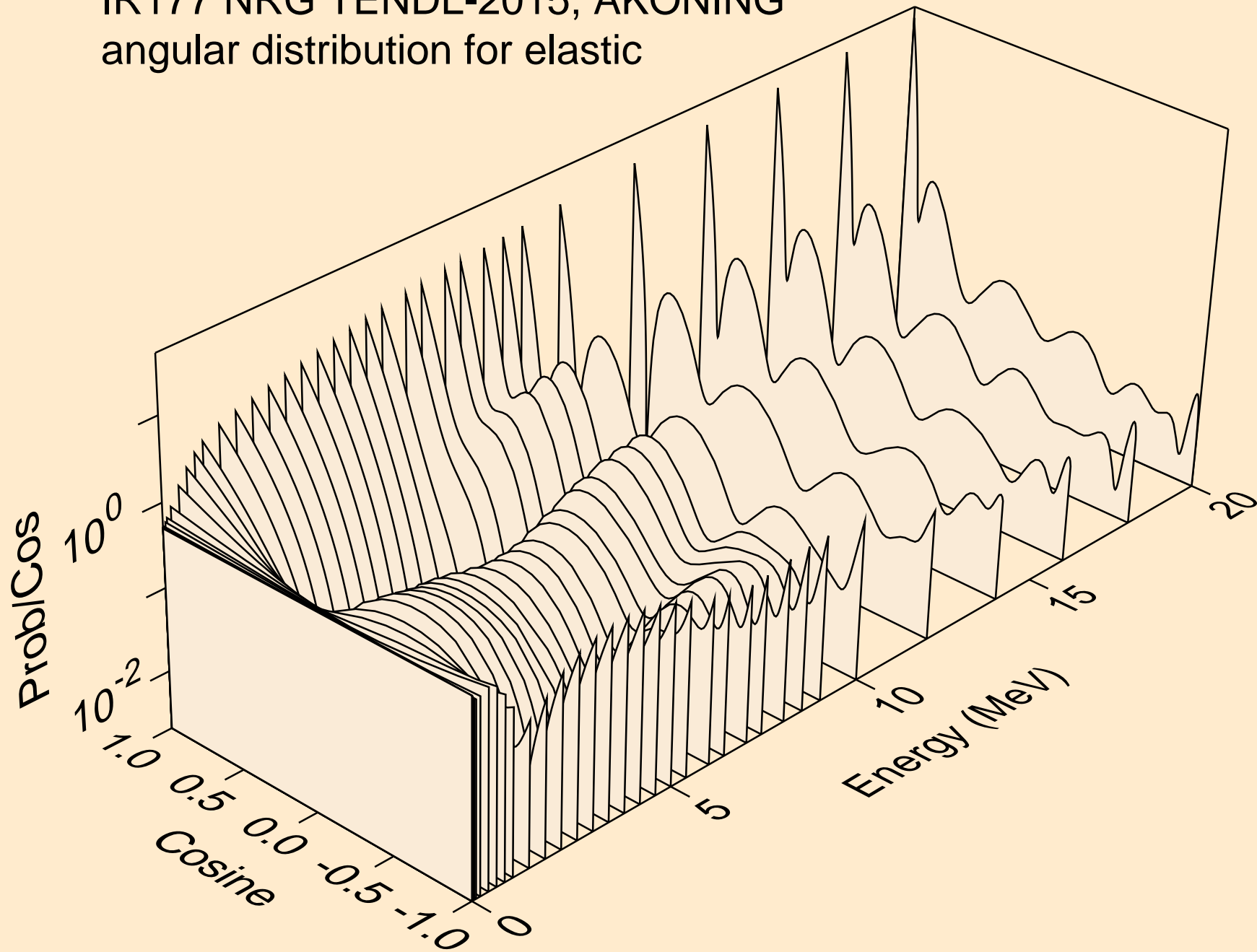


# IR177 NRG TENDL-2015, AKONING

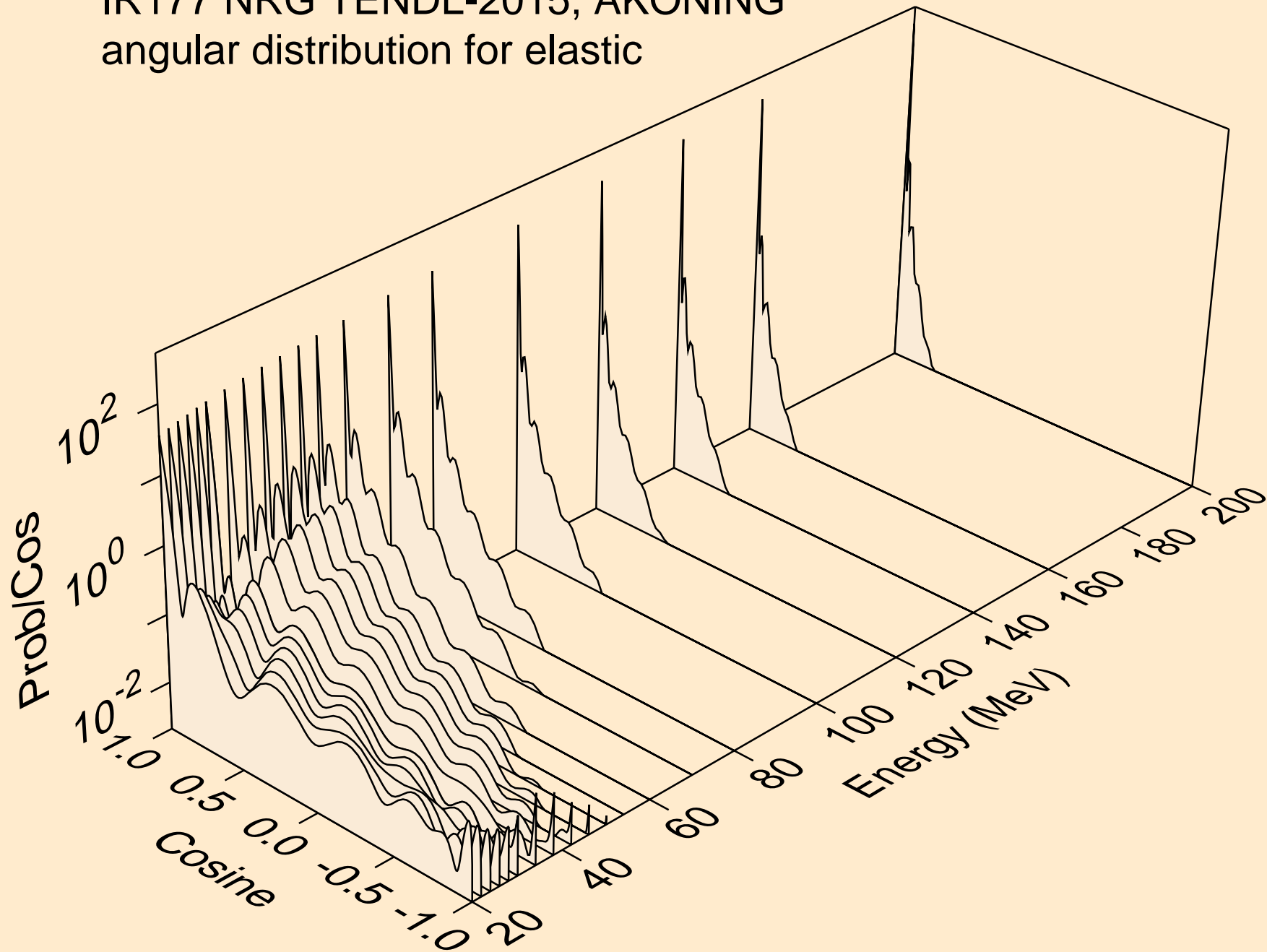
## Threshold reactions



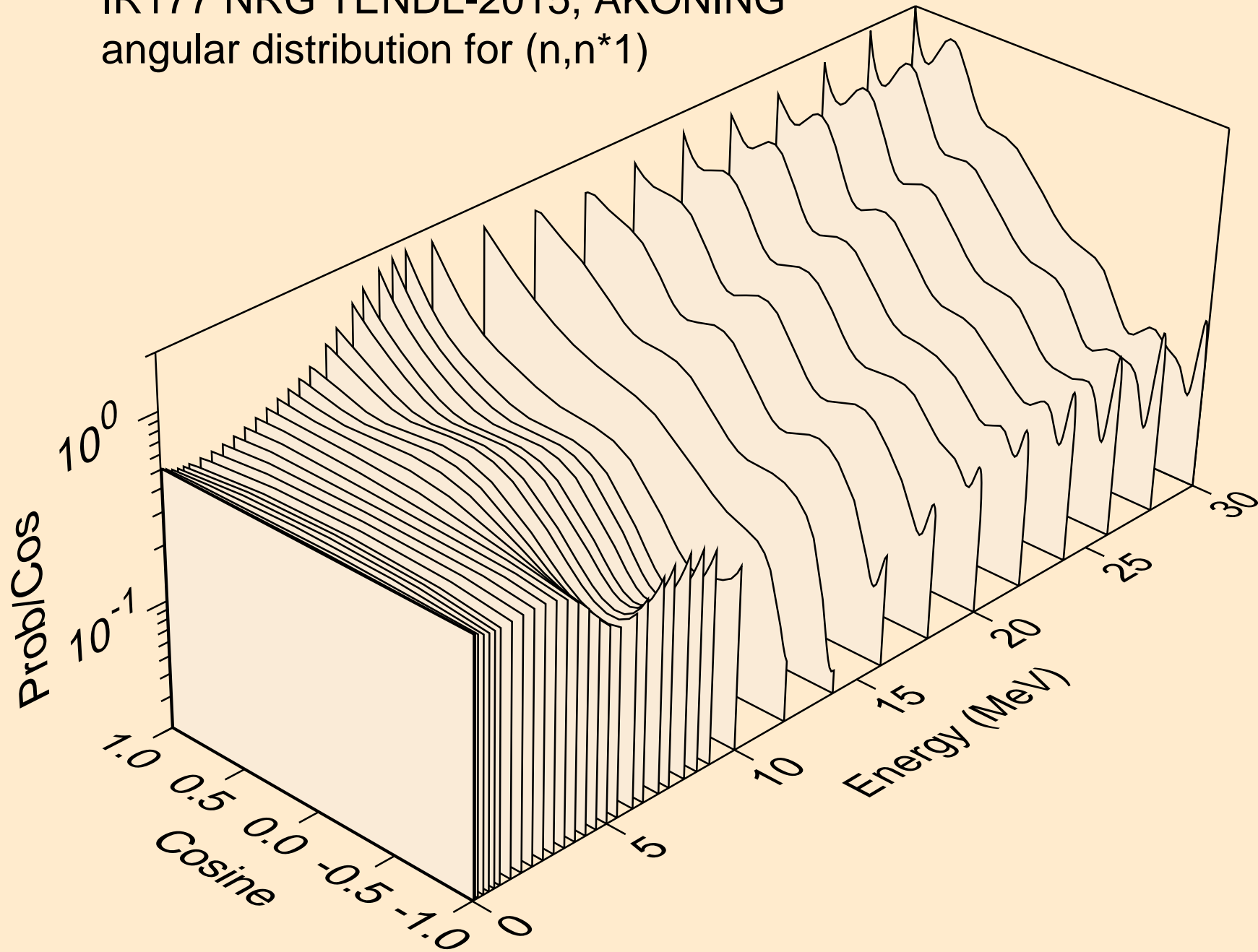
IR177 NRG TENDL-2015, AKONING  
angular distribution for elastic



IR177 NRG TENDL-2015, AKONING  
angular distribution for elastic

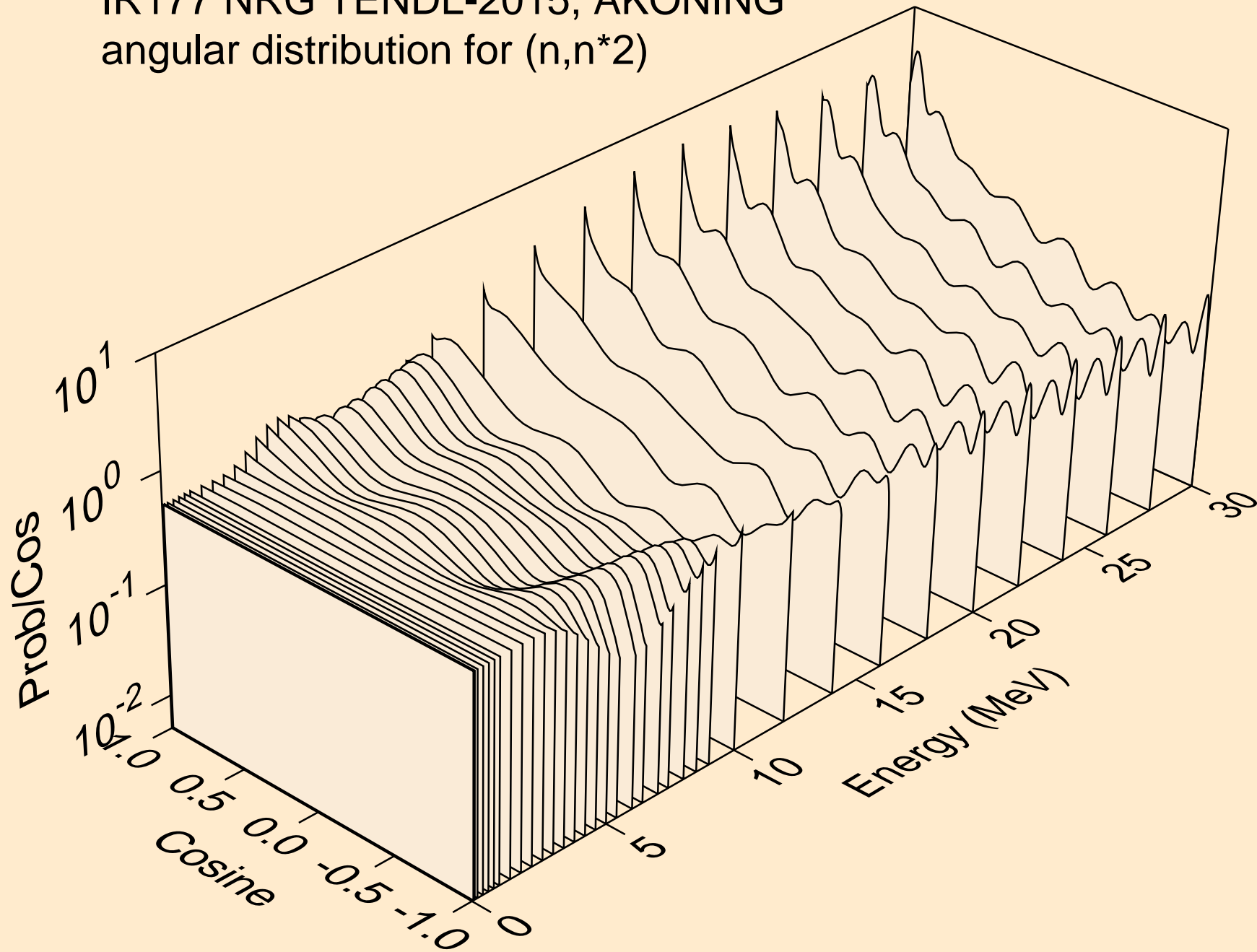


IR177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)

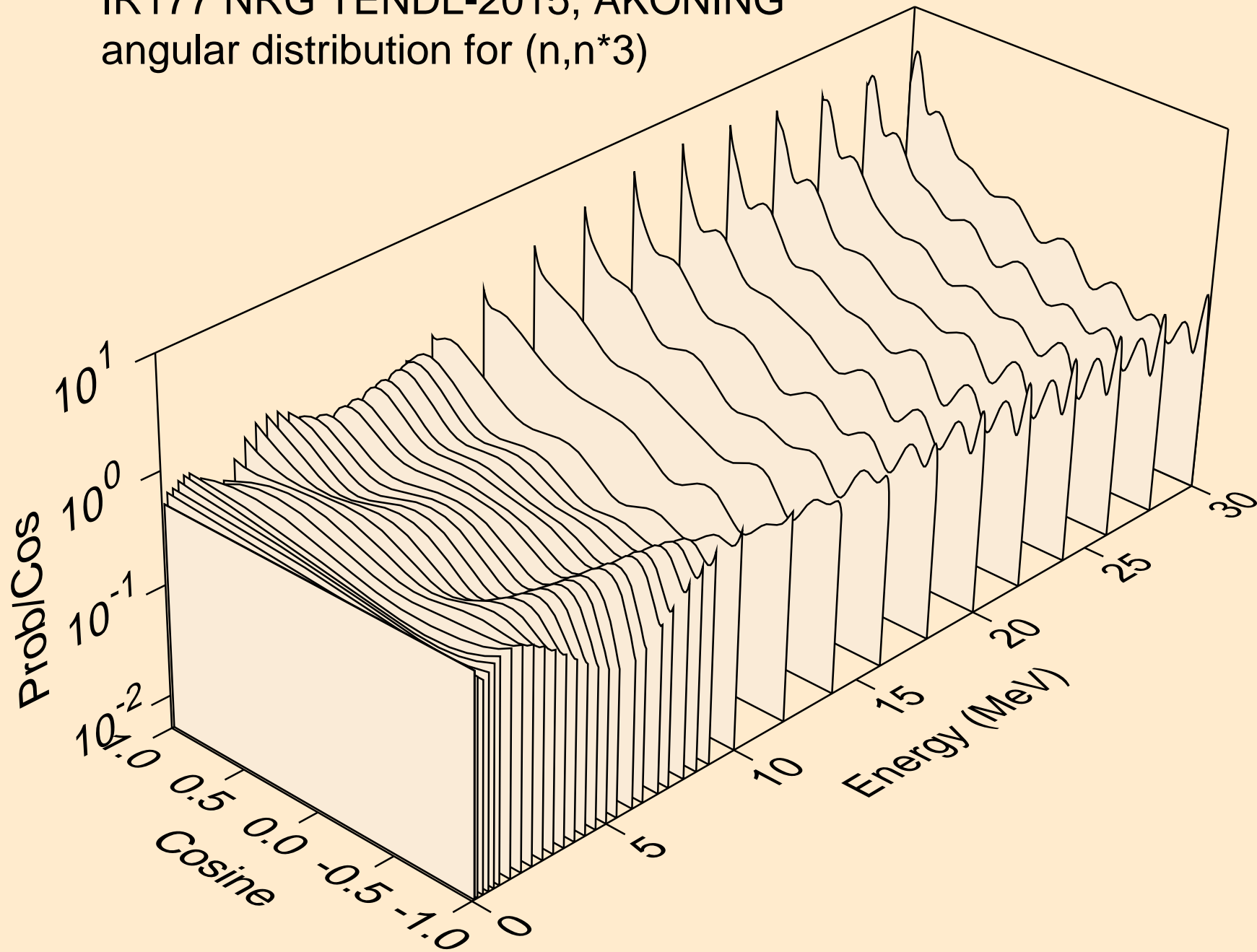




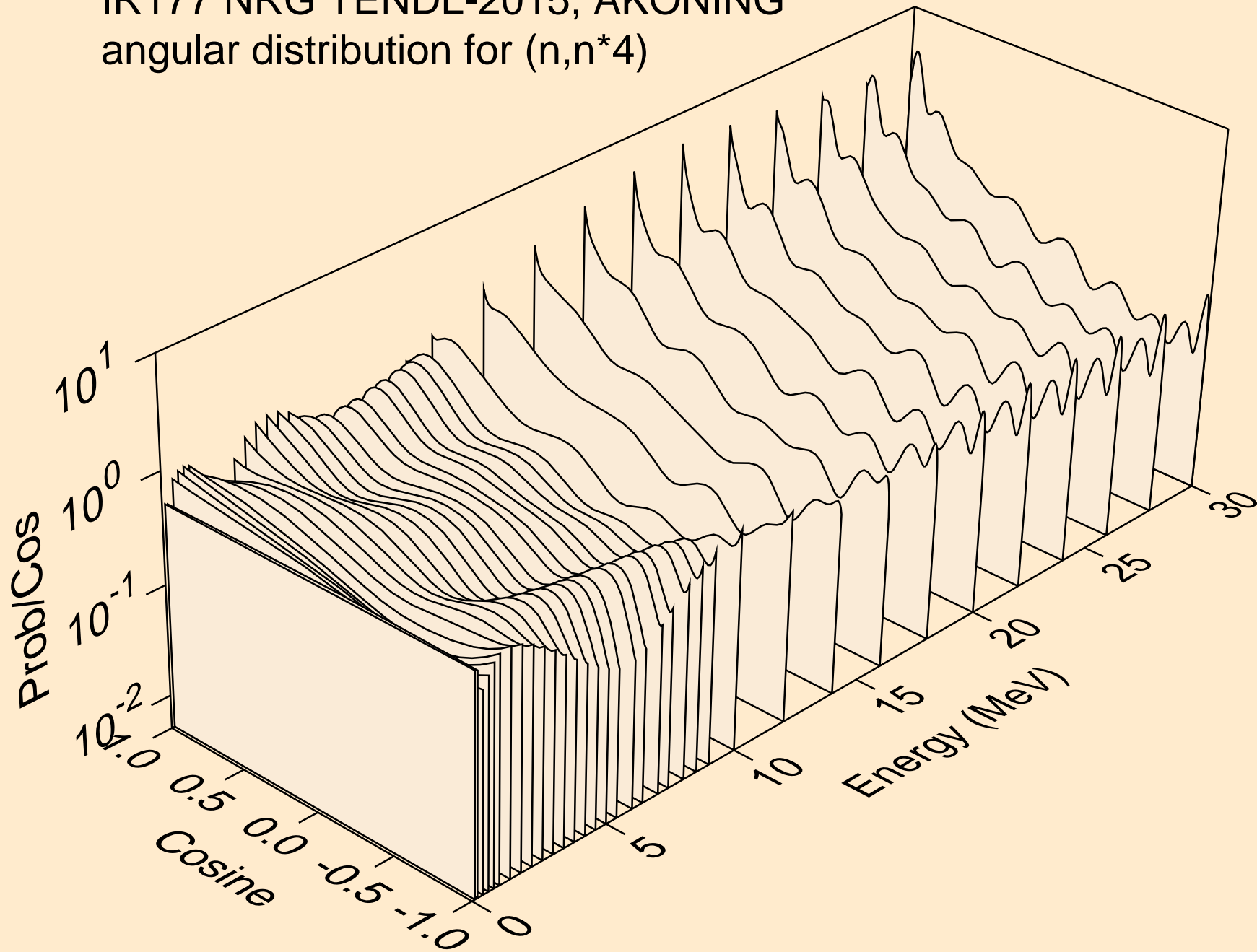
IR177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



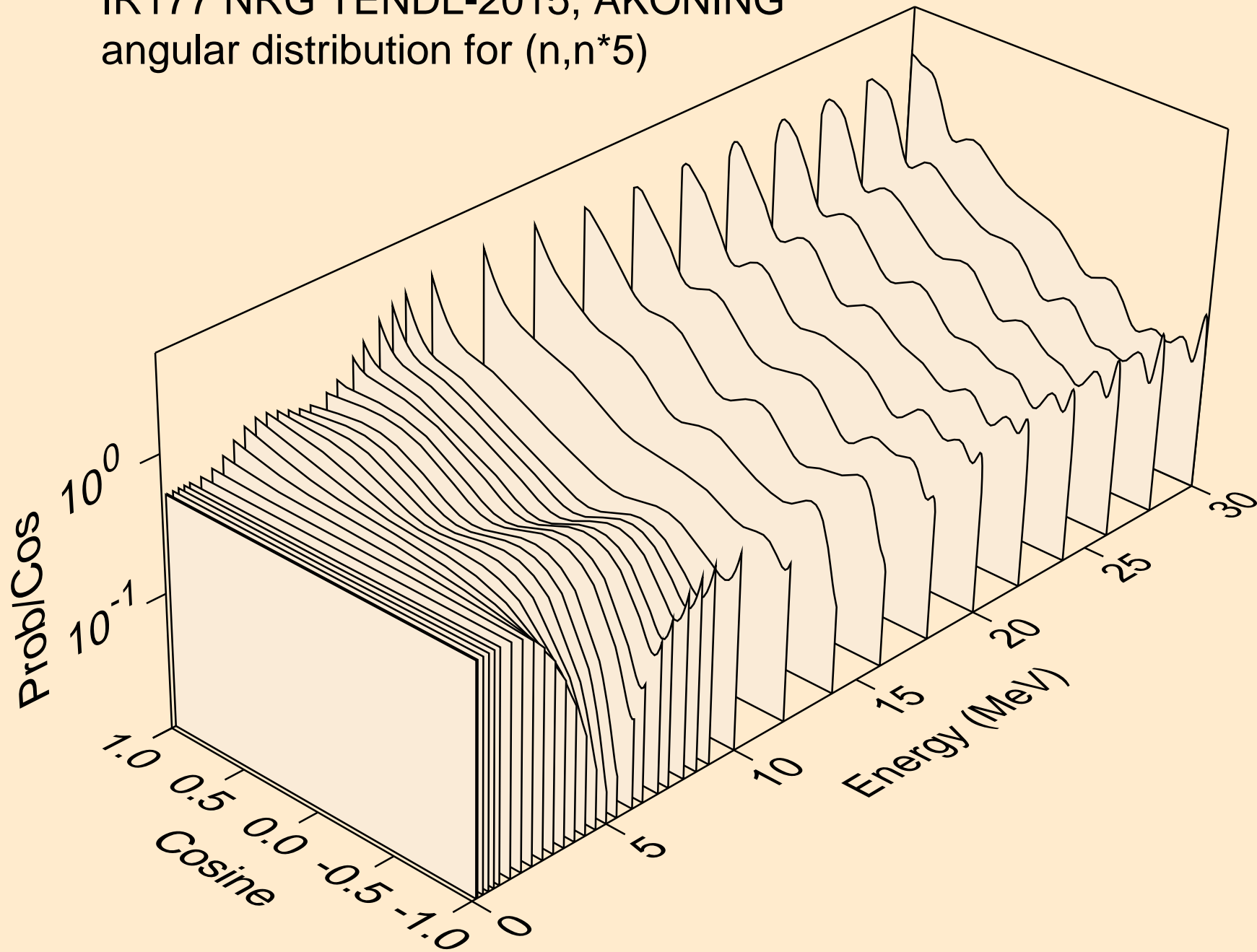
IR177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



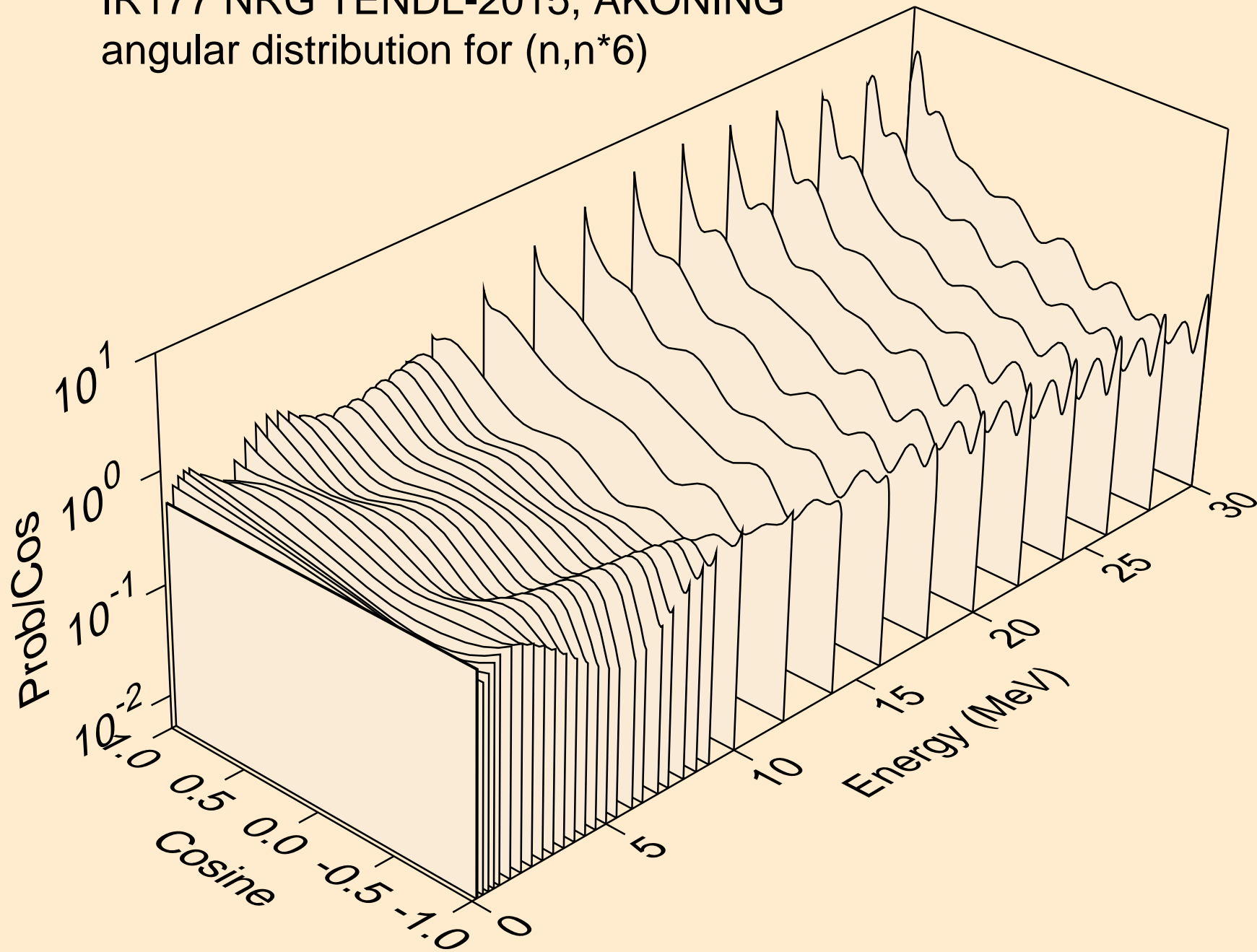
IR177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



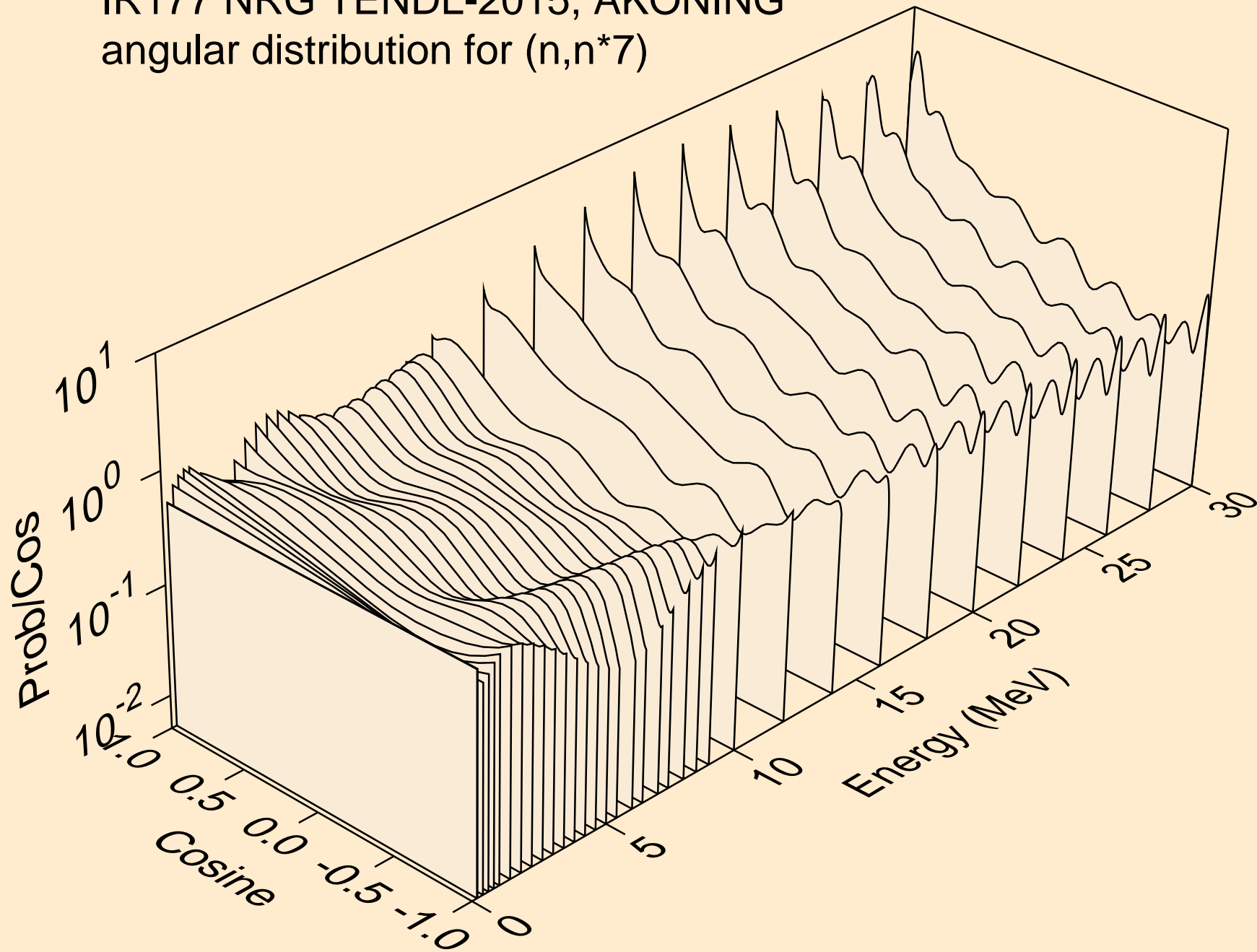
IR177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)



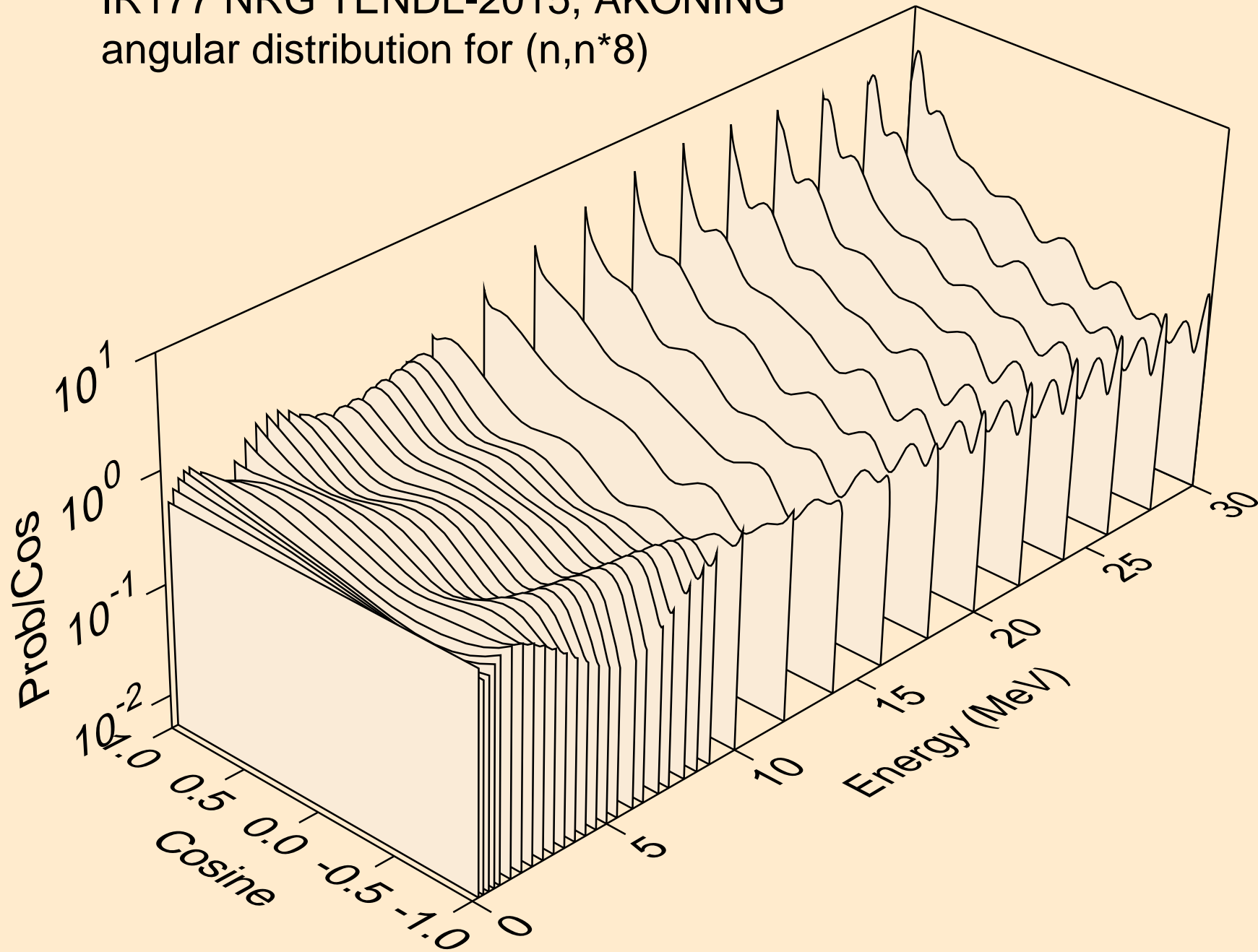
IR177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)



IR177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)

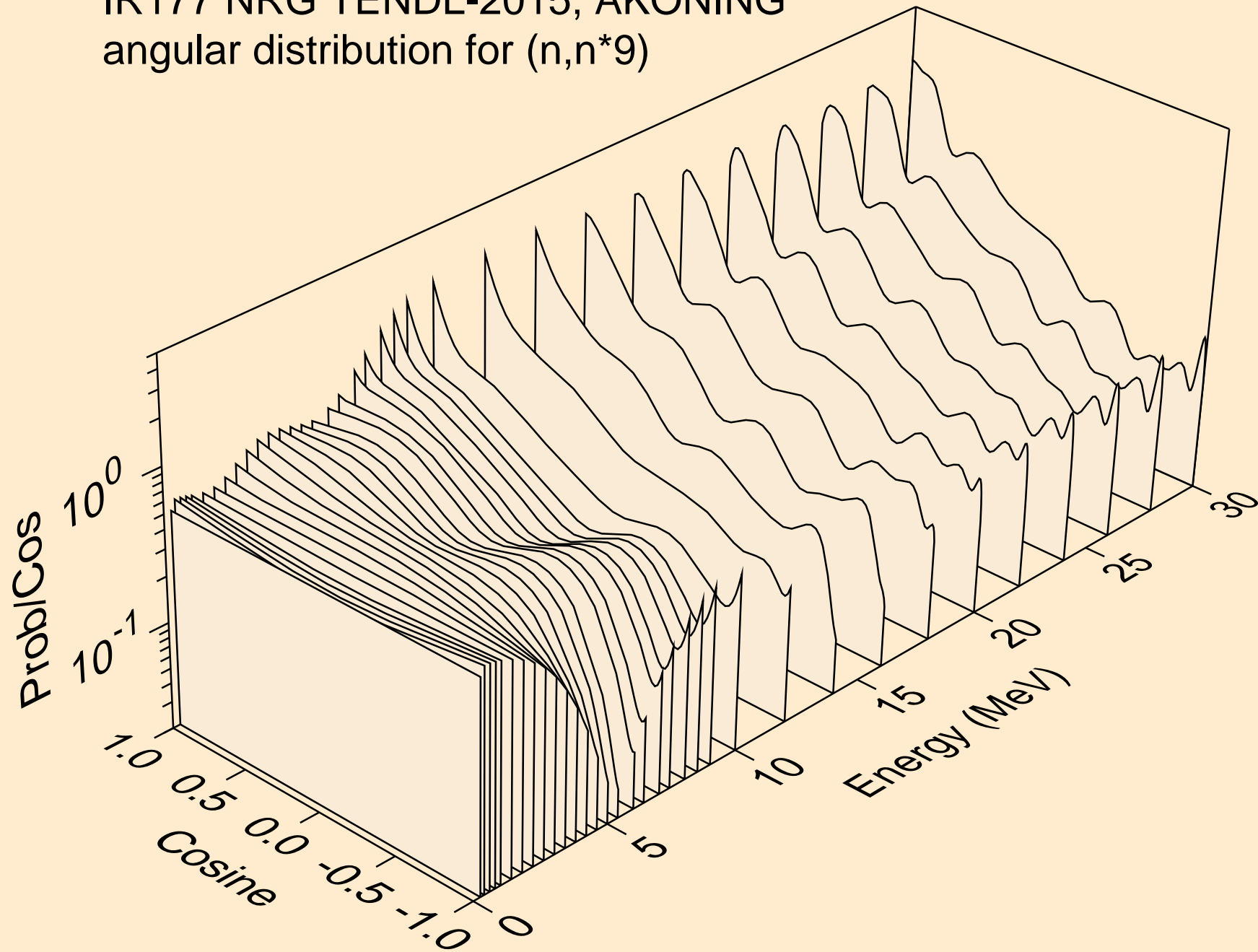


IR177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)



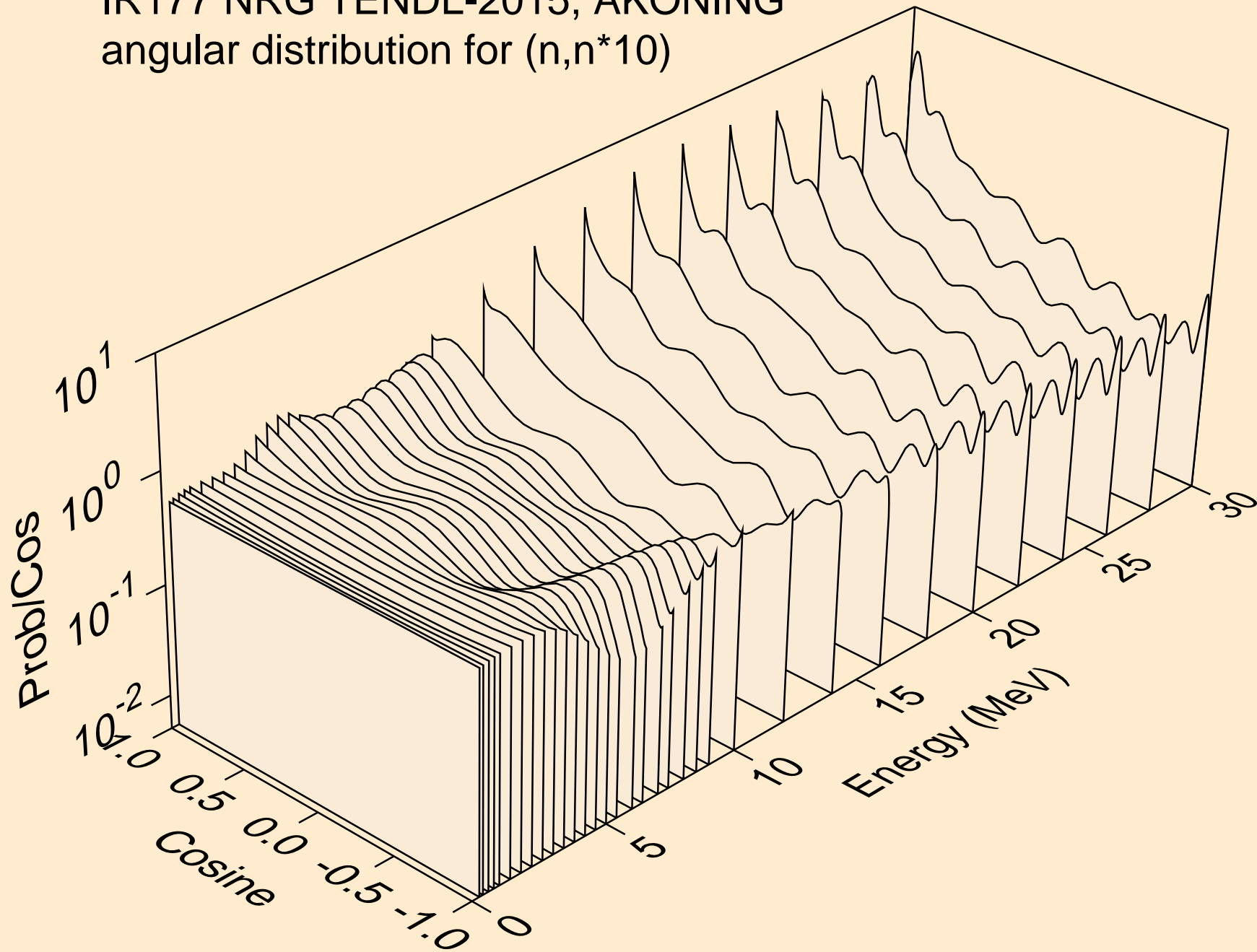


IR177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)

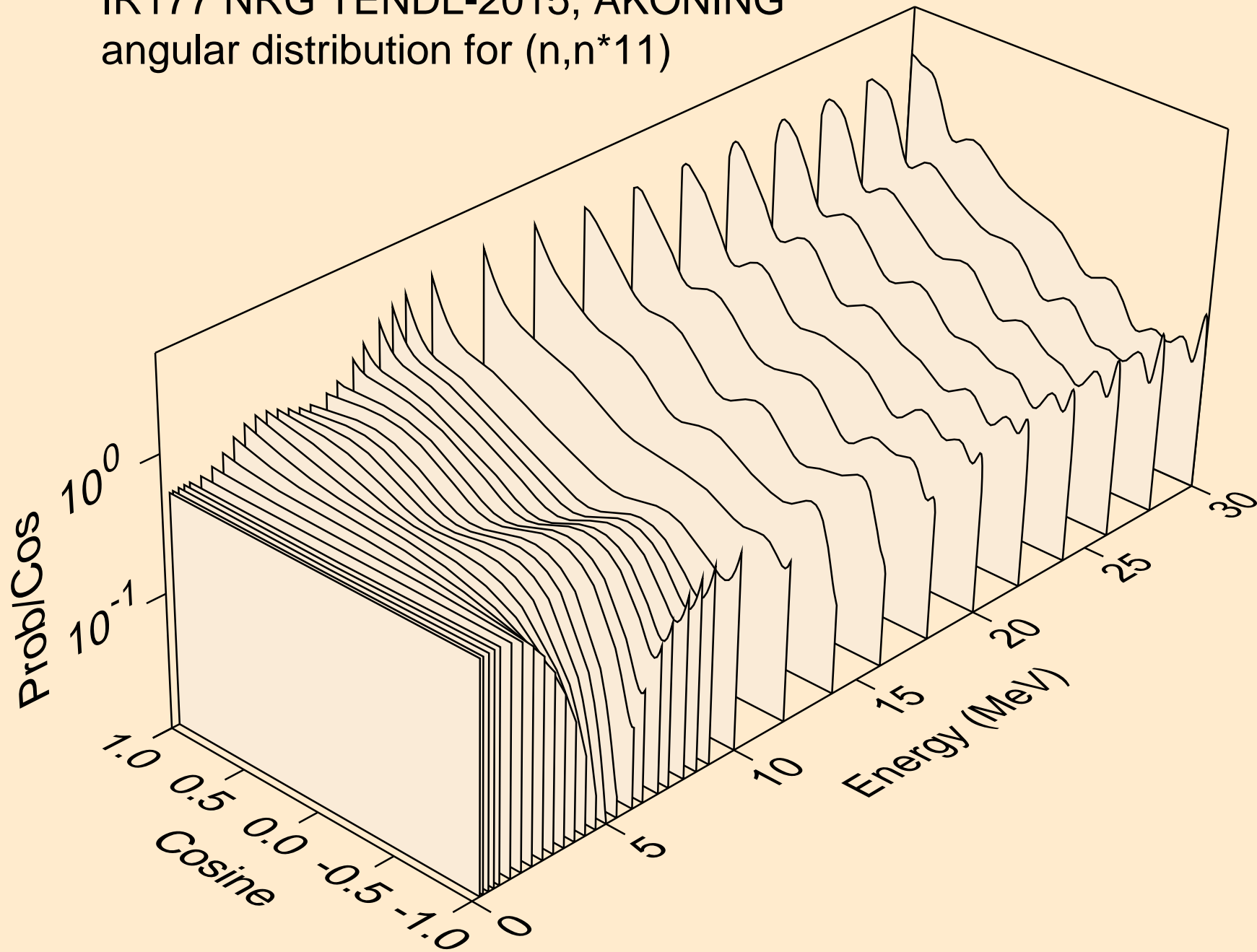




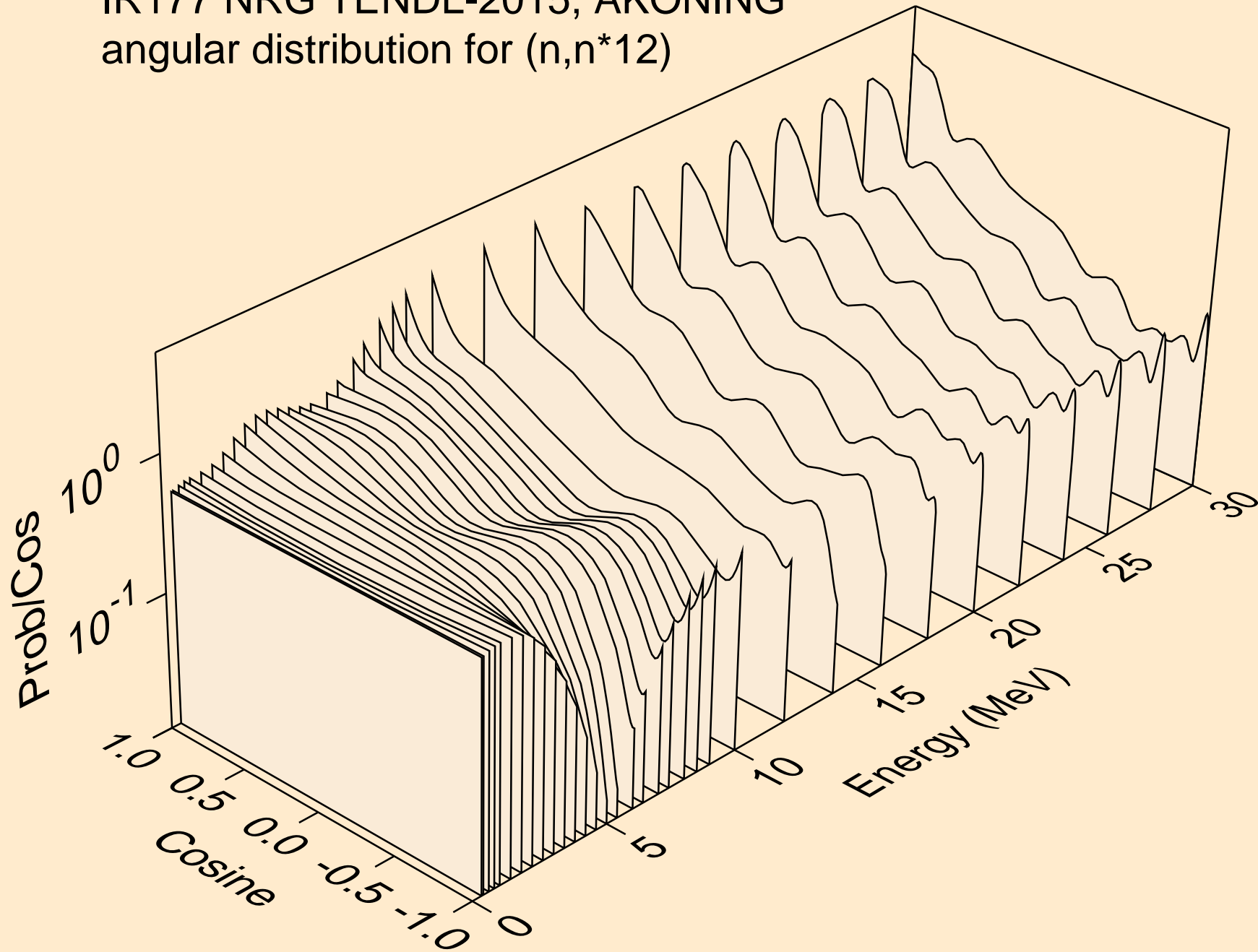
IR177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



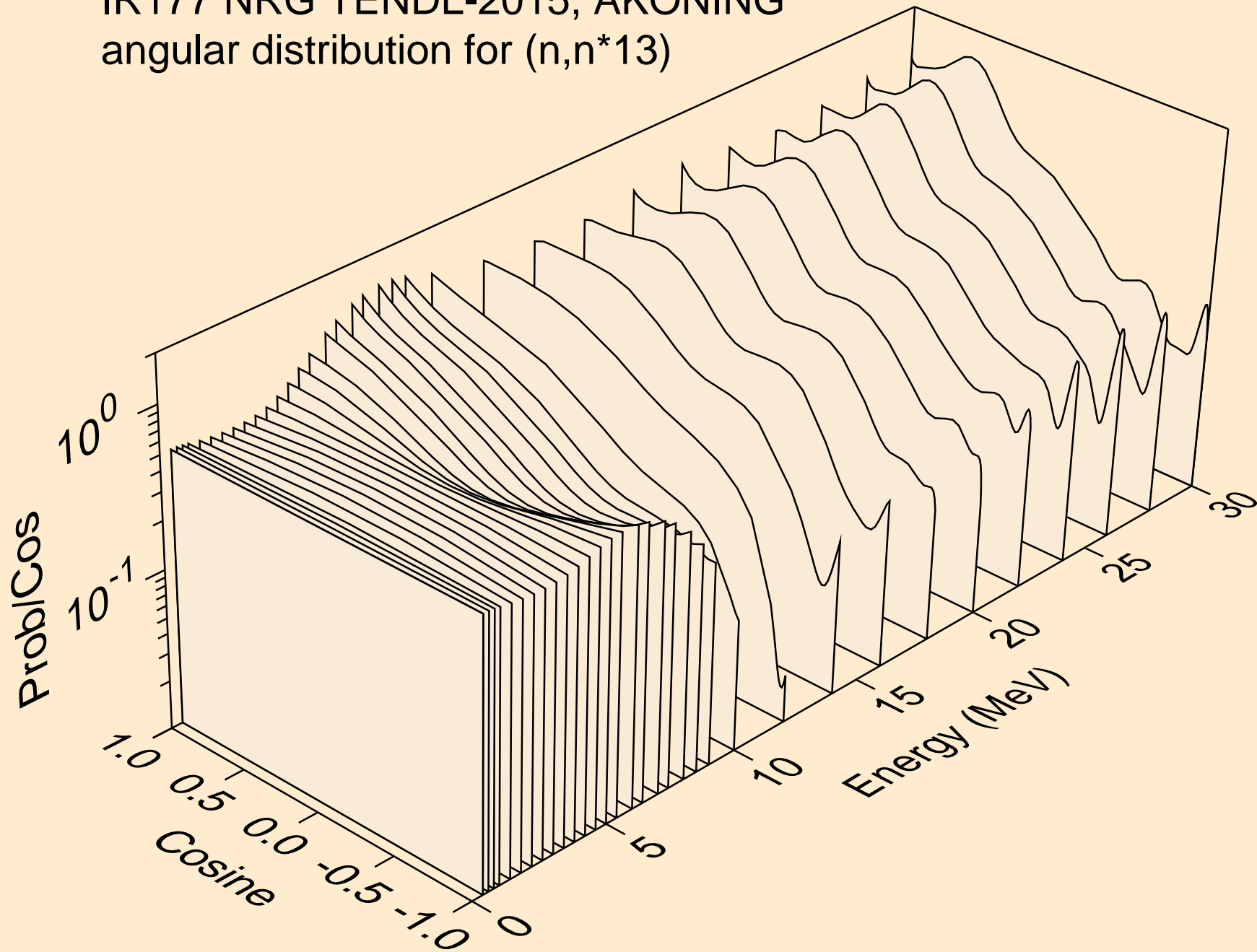
IR177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



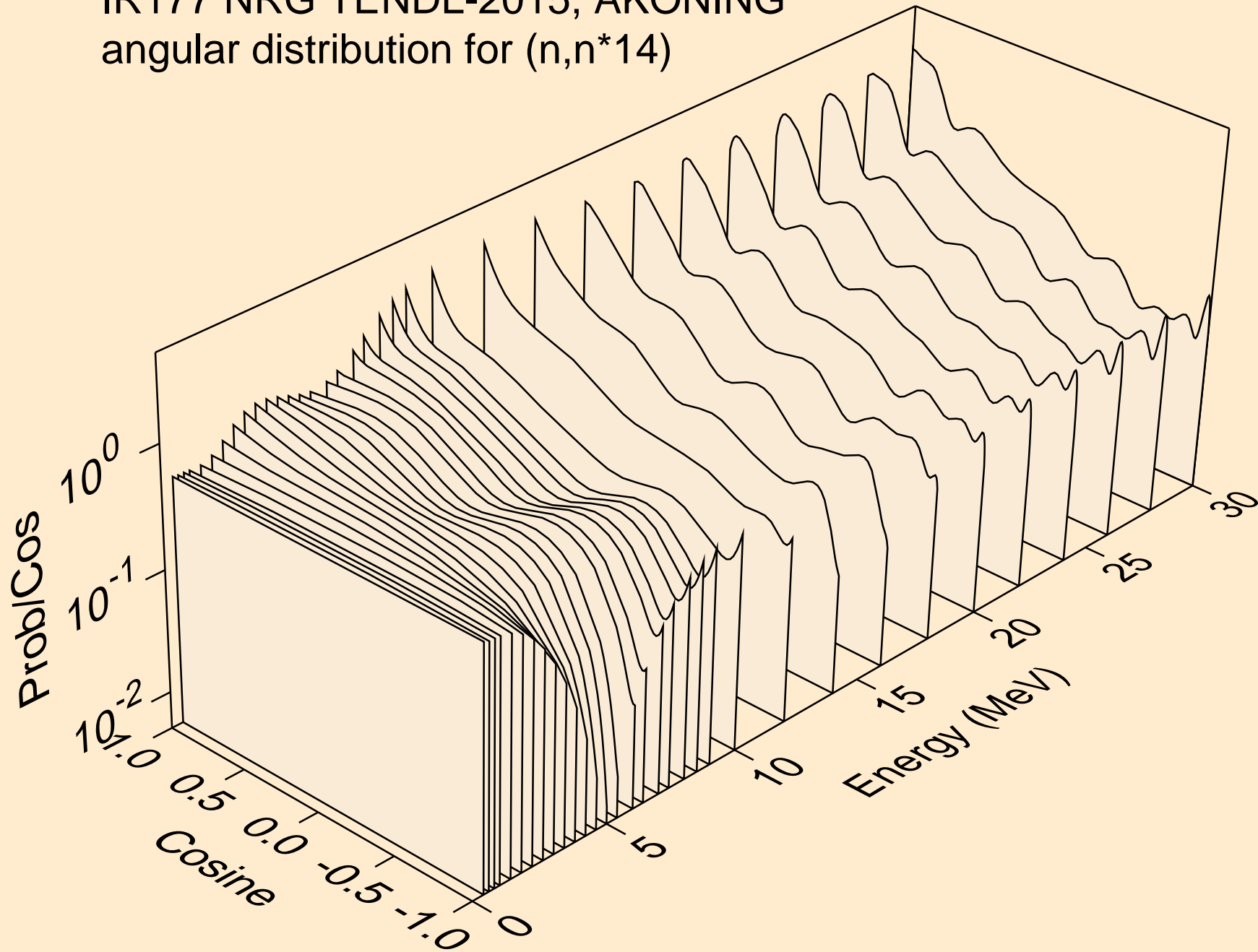
IR177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



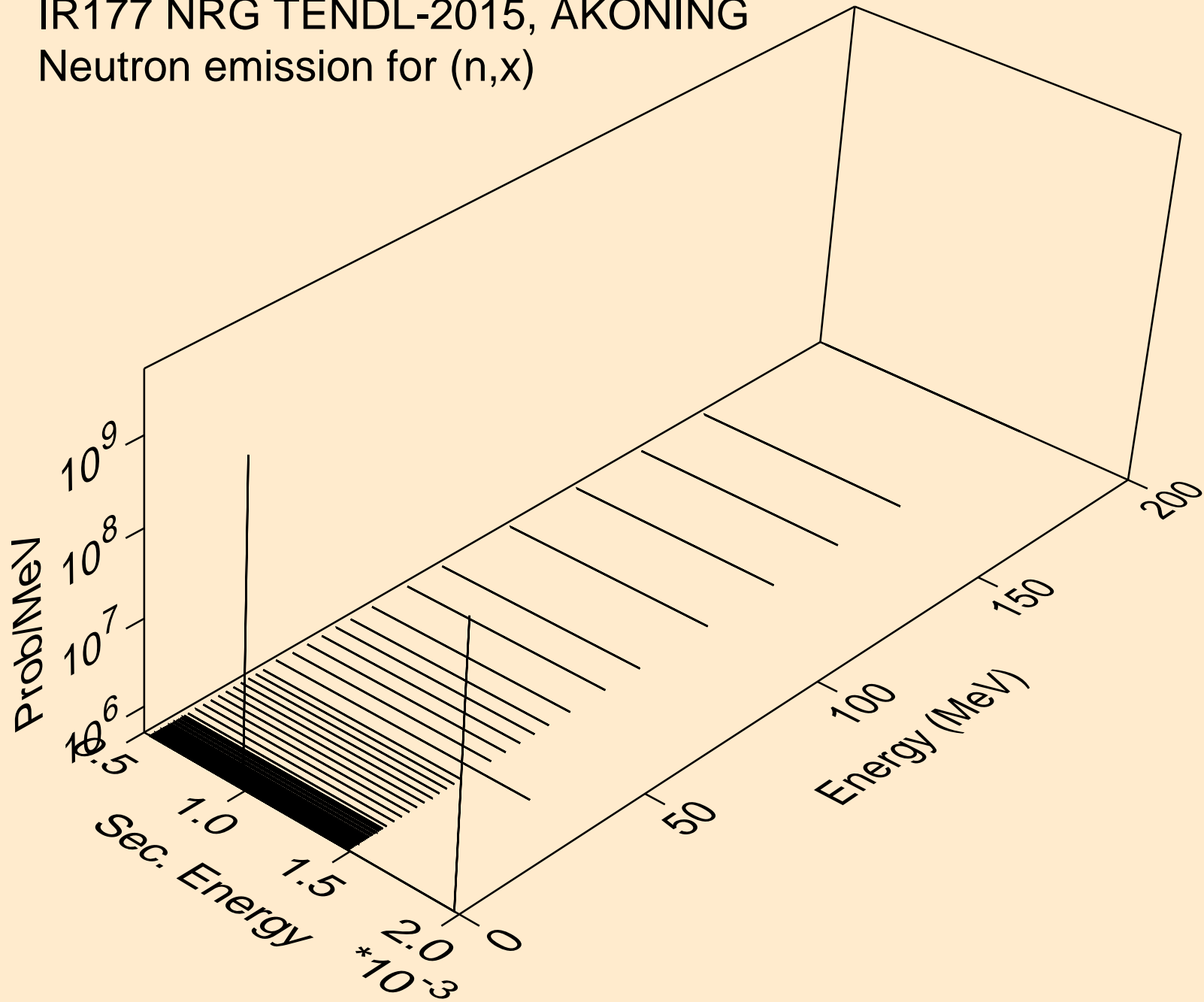
IR177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)



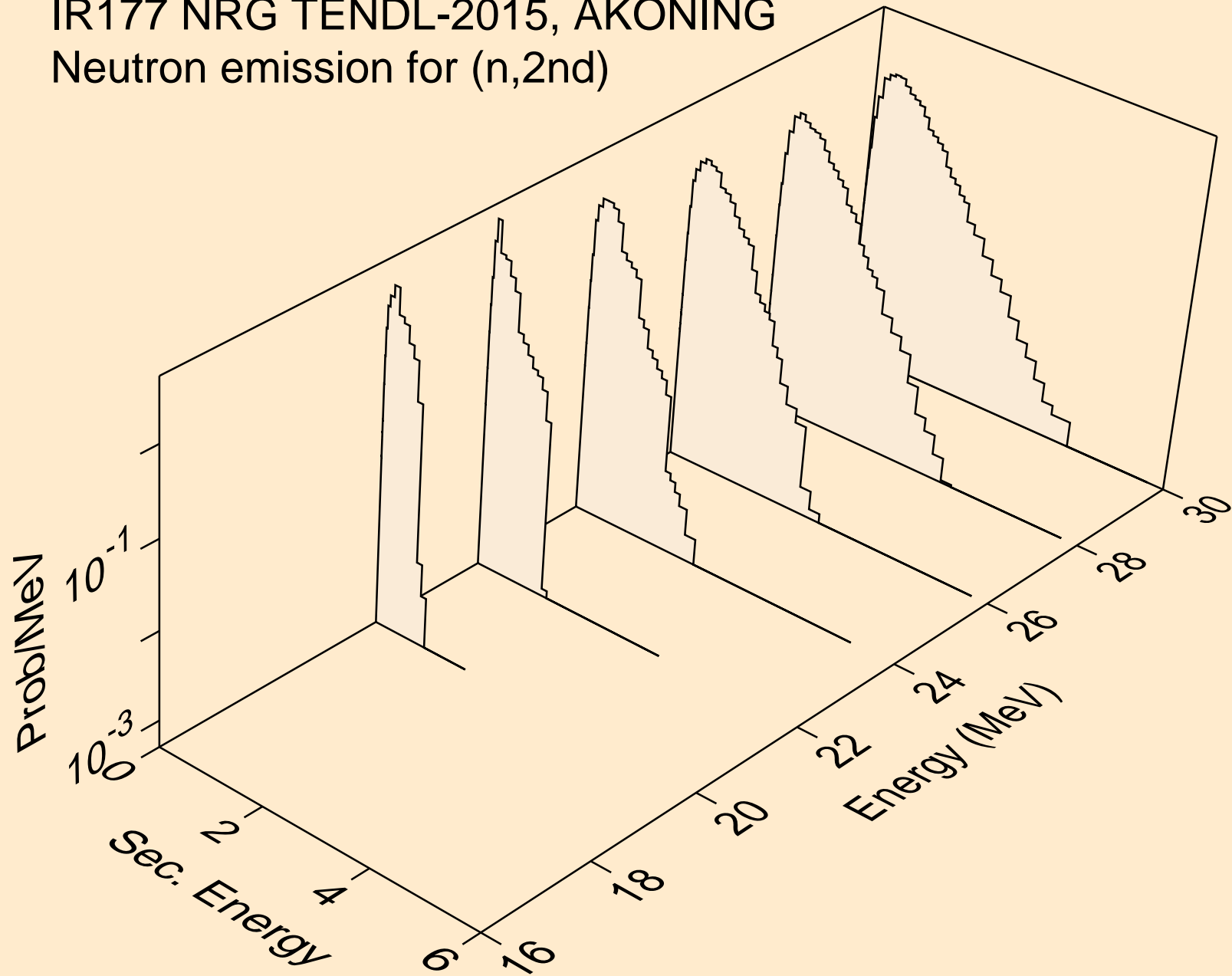
IR177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)



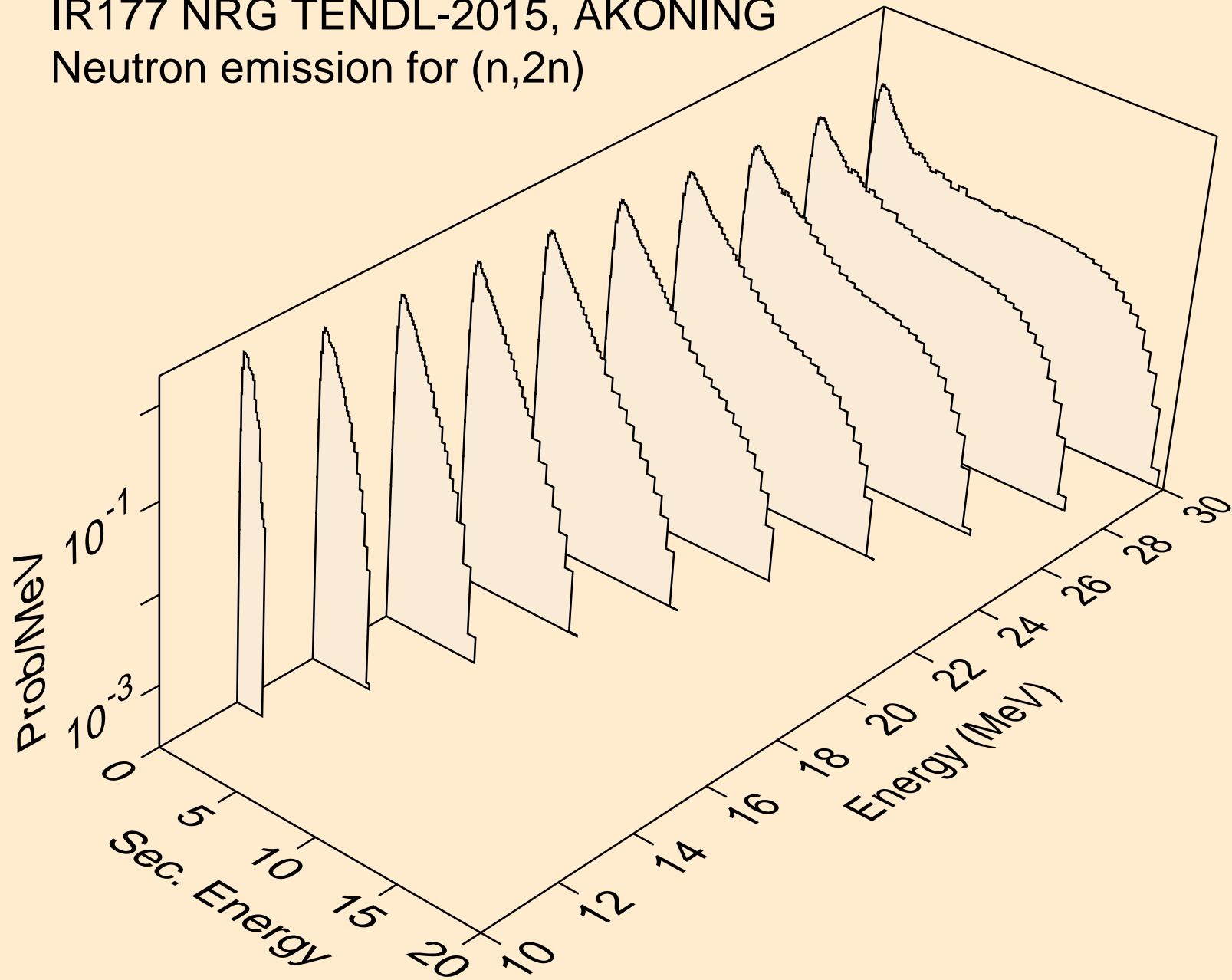
IR177 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



IR177 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)

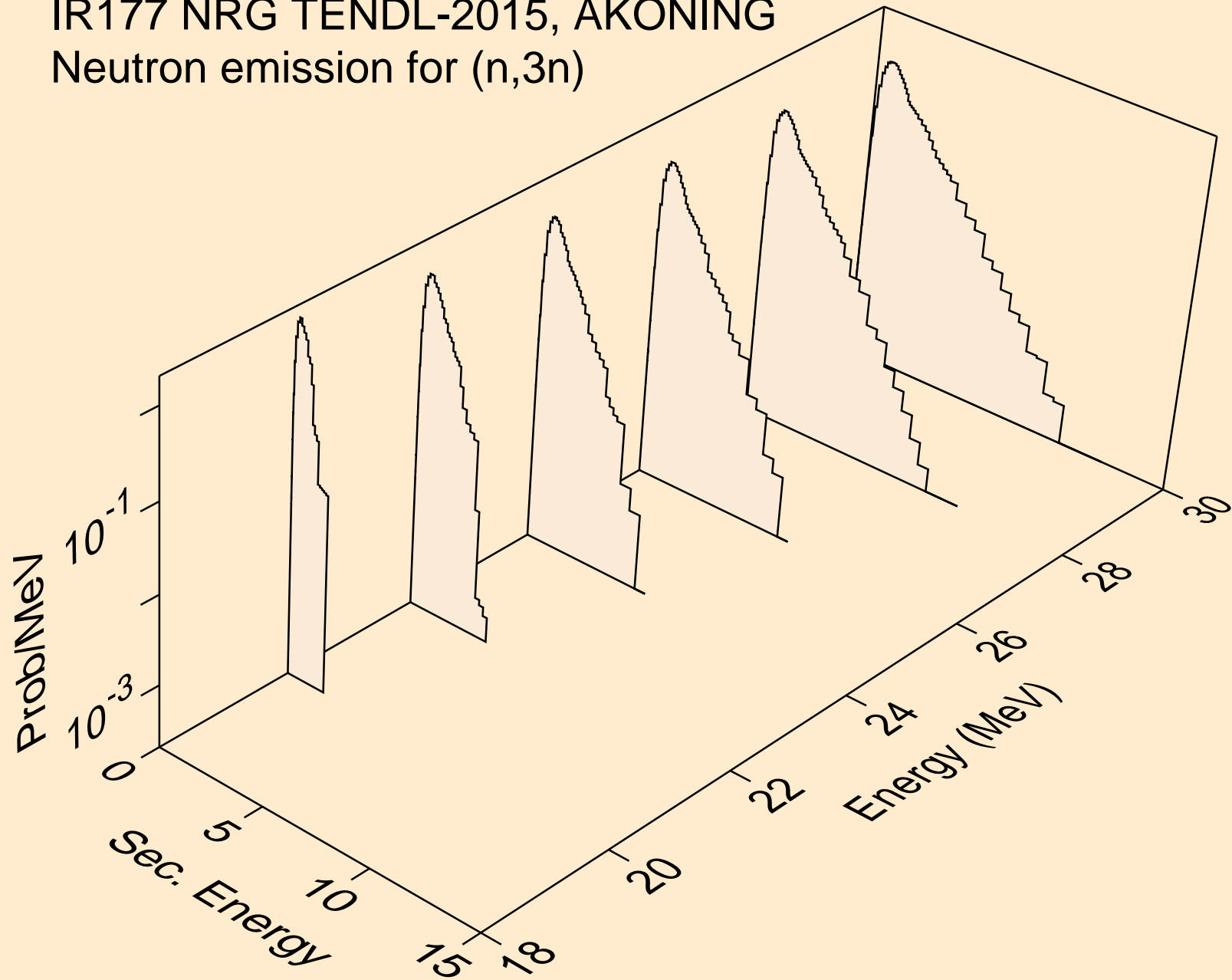


IR177 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)

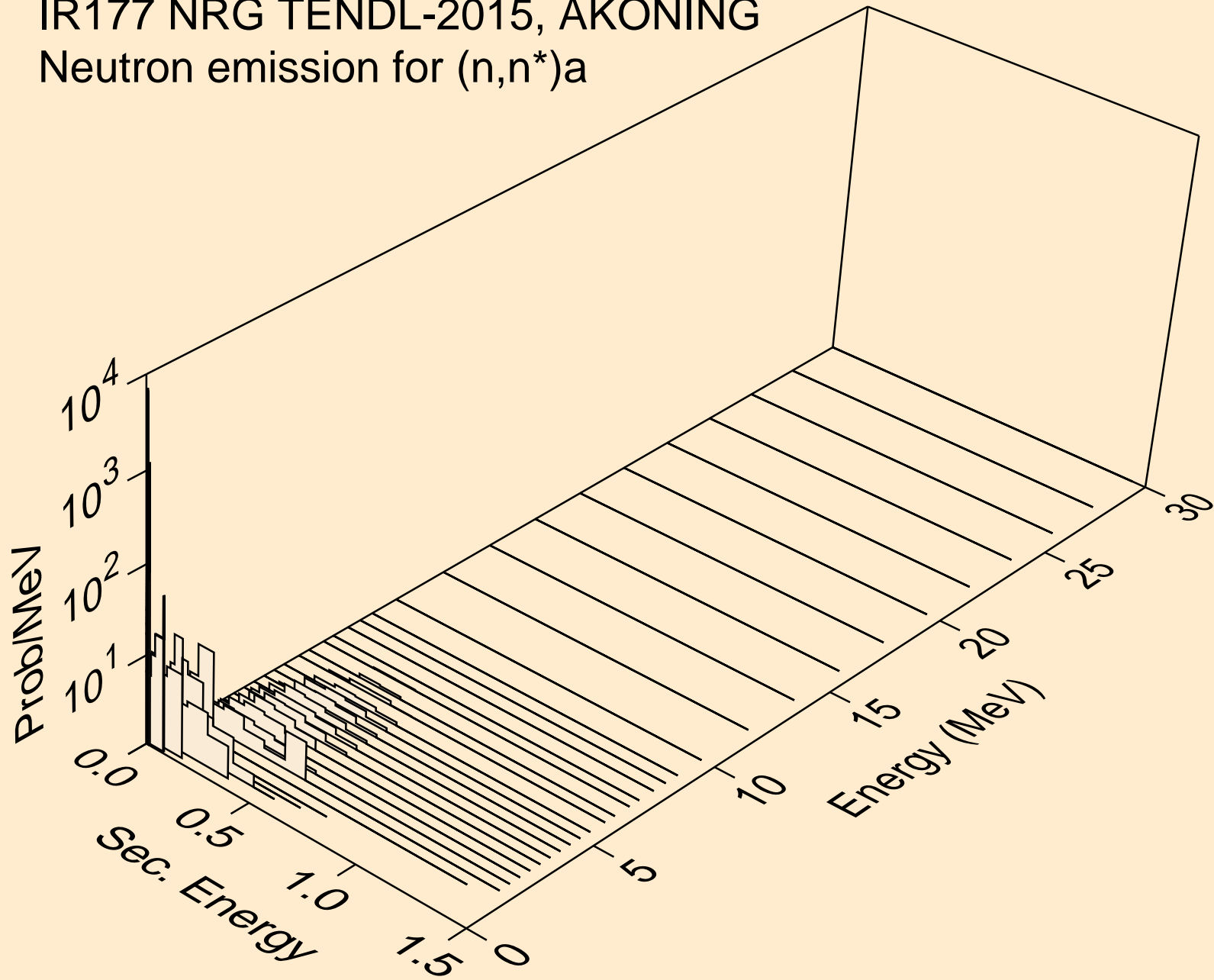




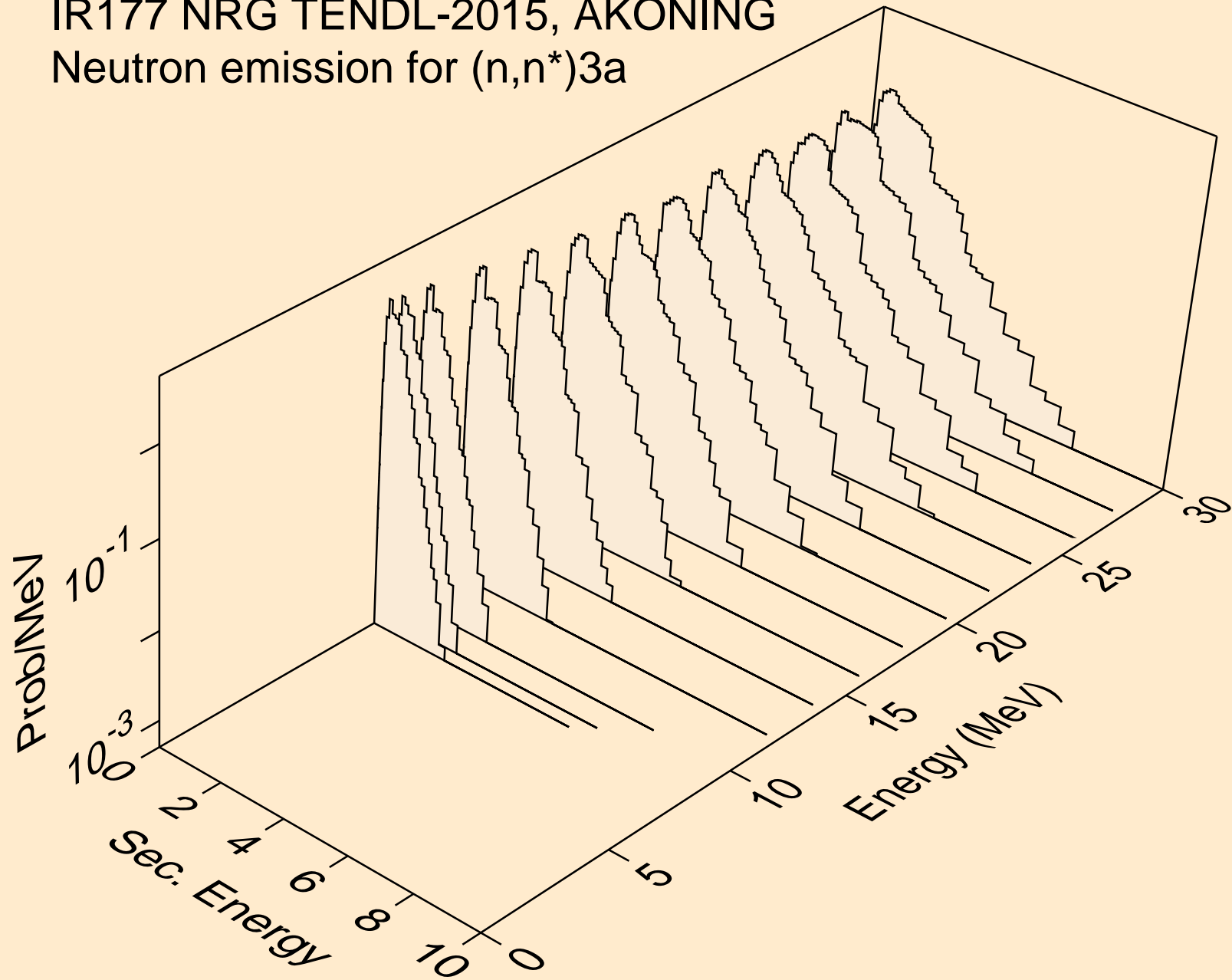
IR177 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



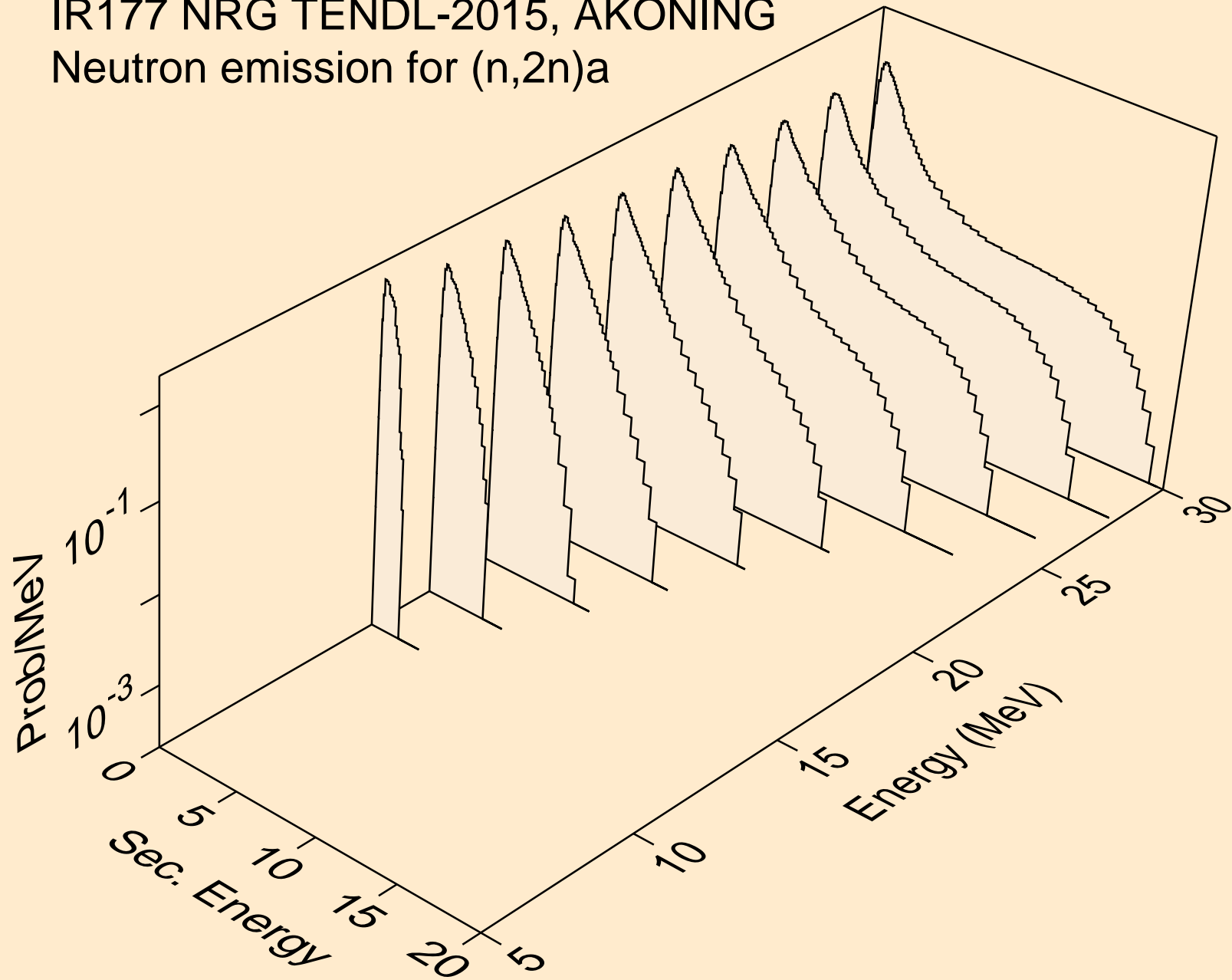
IR177 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



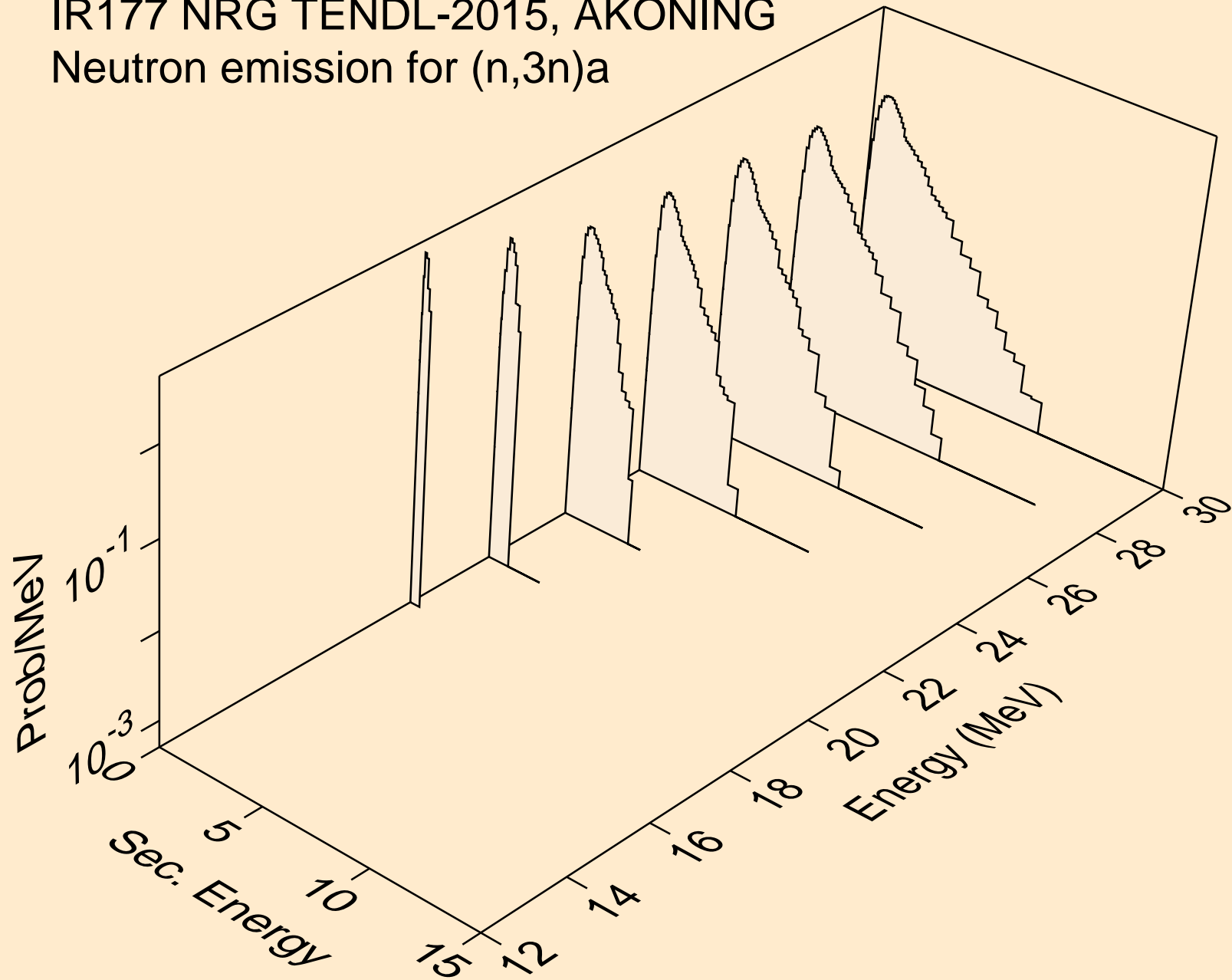
IR177 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)3a



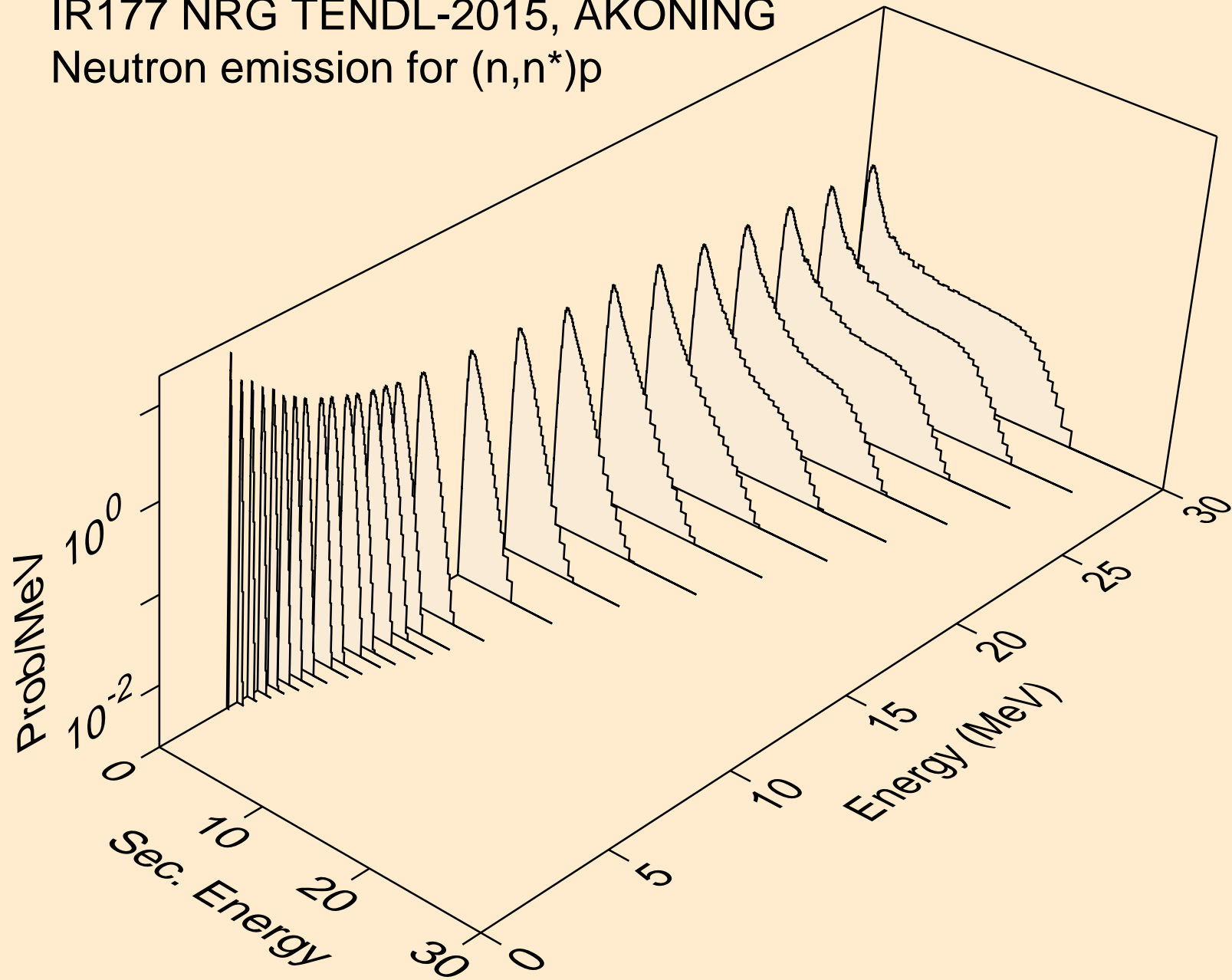
IR177 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



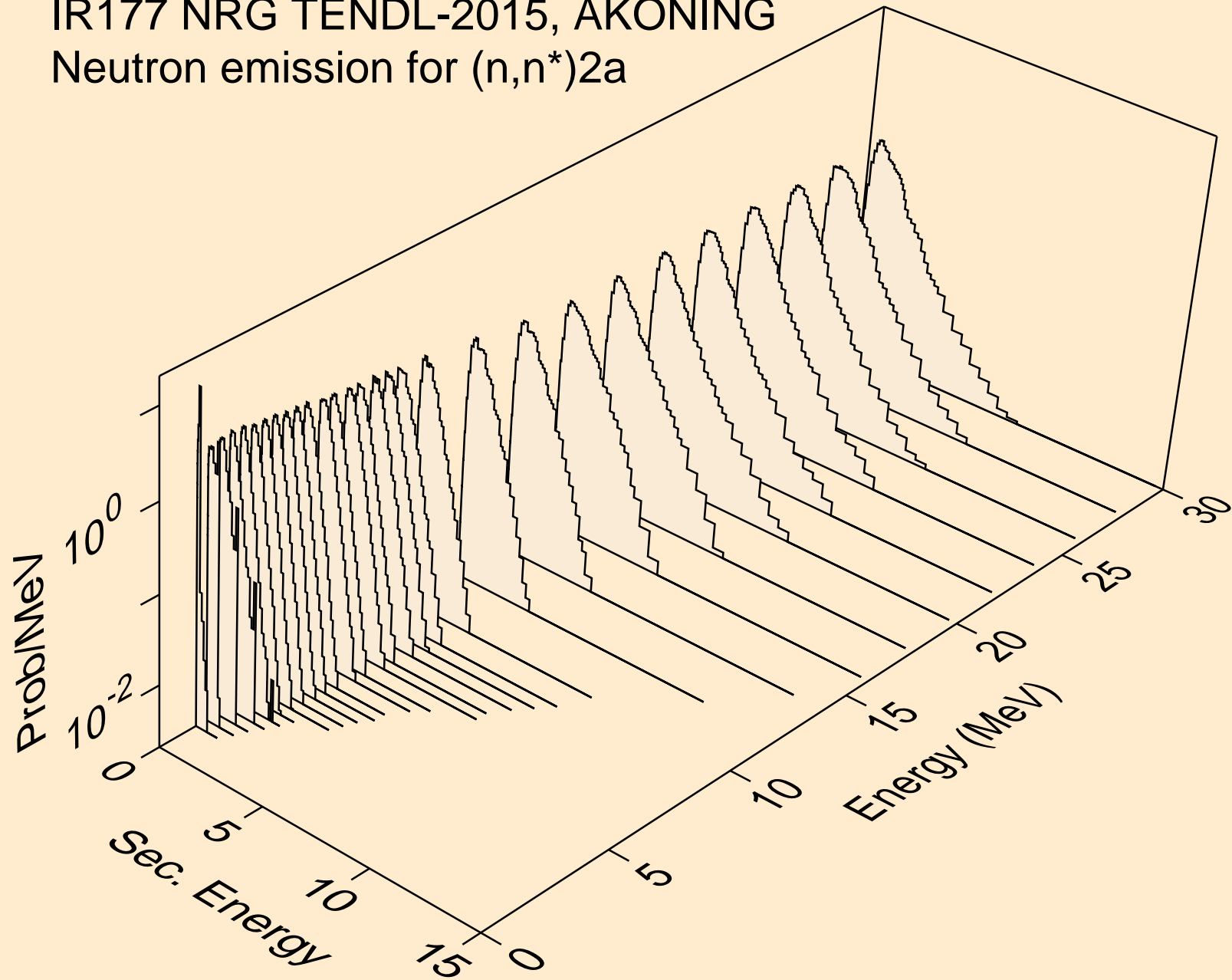
IR177 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)<sub>a</sub>



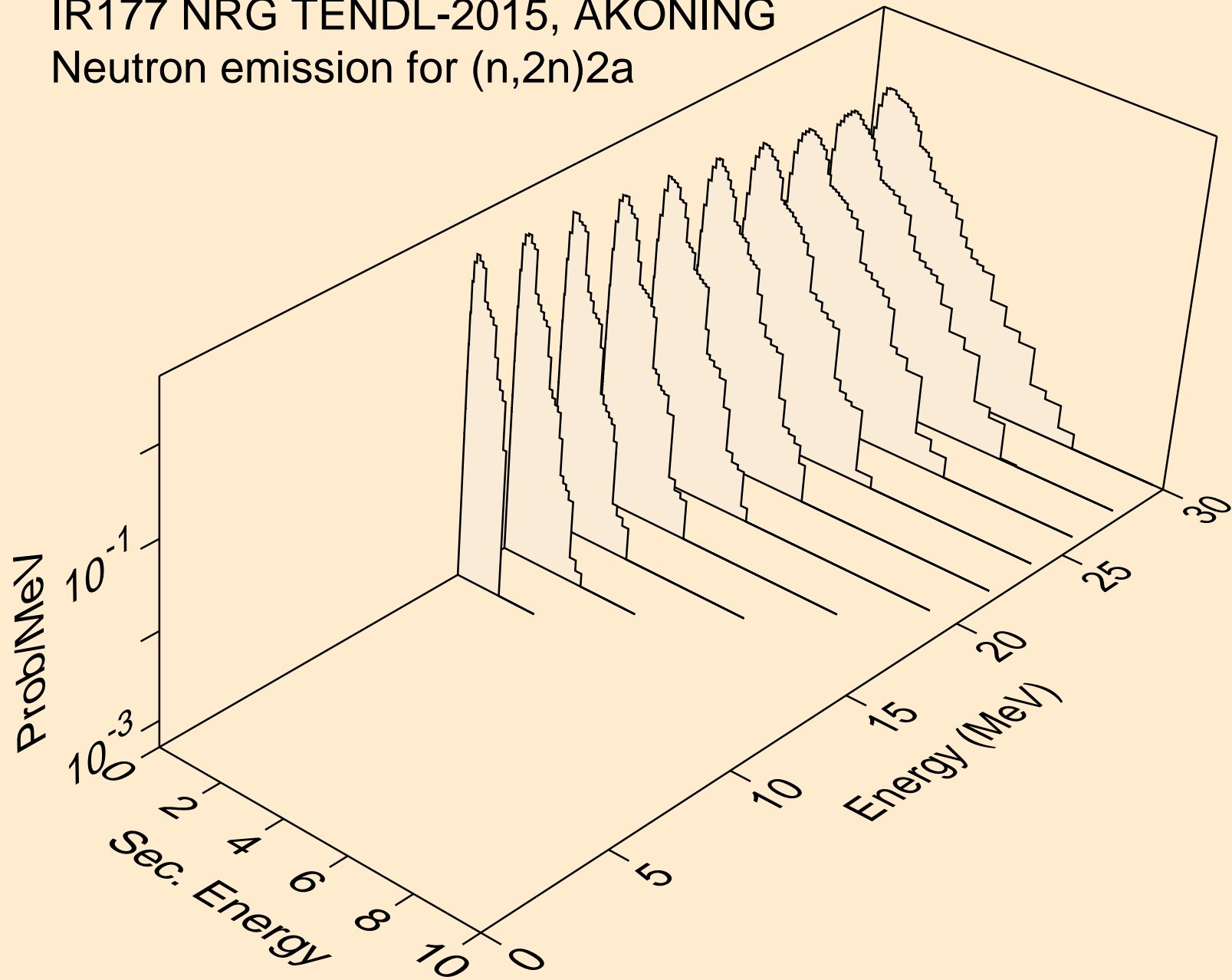
IR177 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



IR177 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a

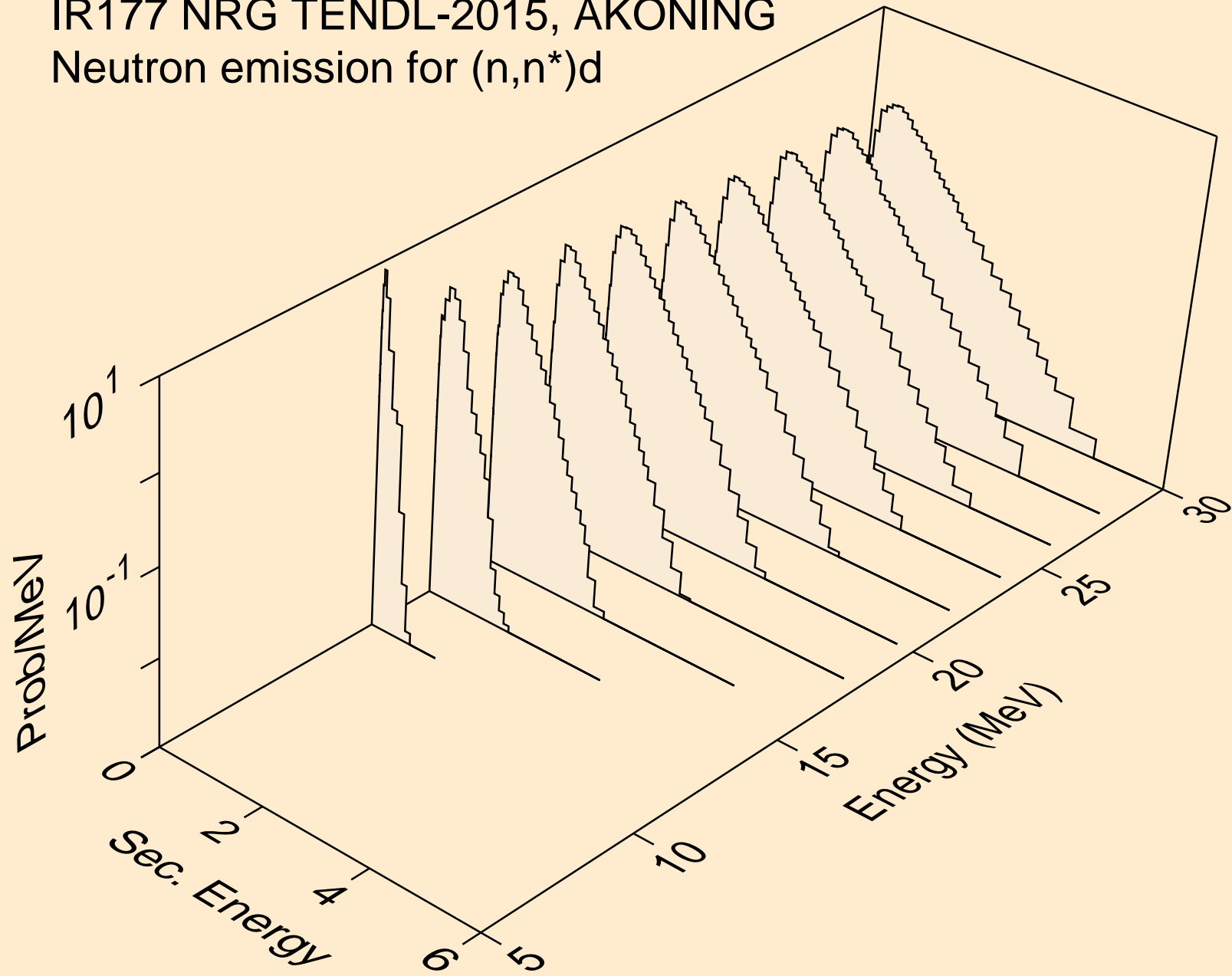


IR177 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)2a

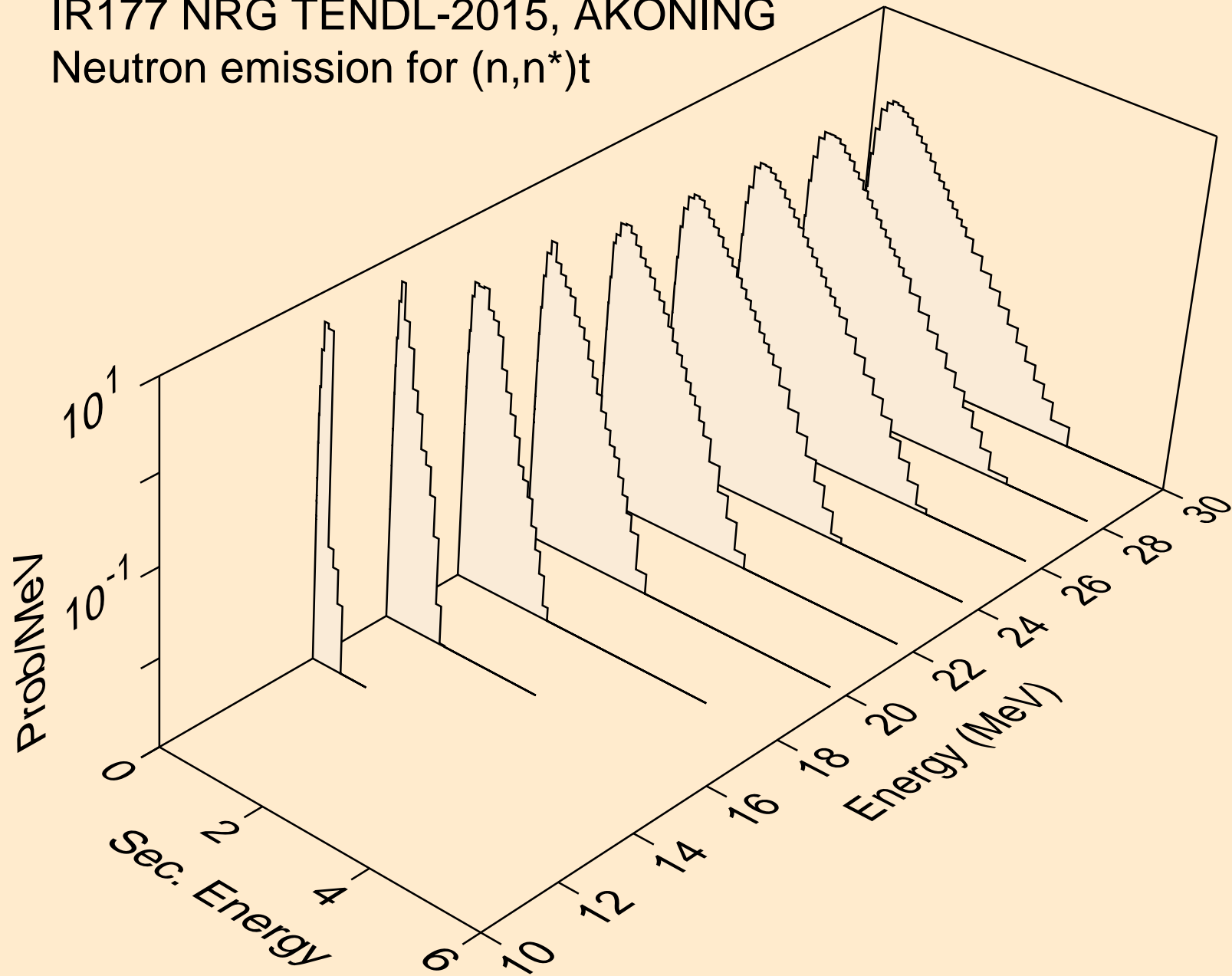




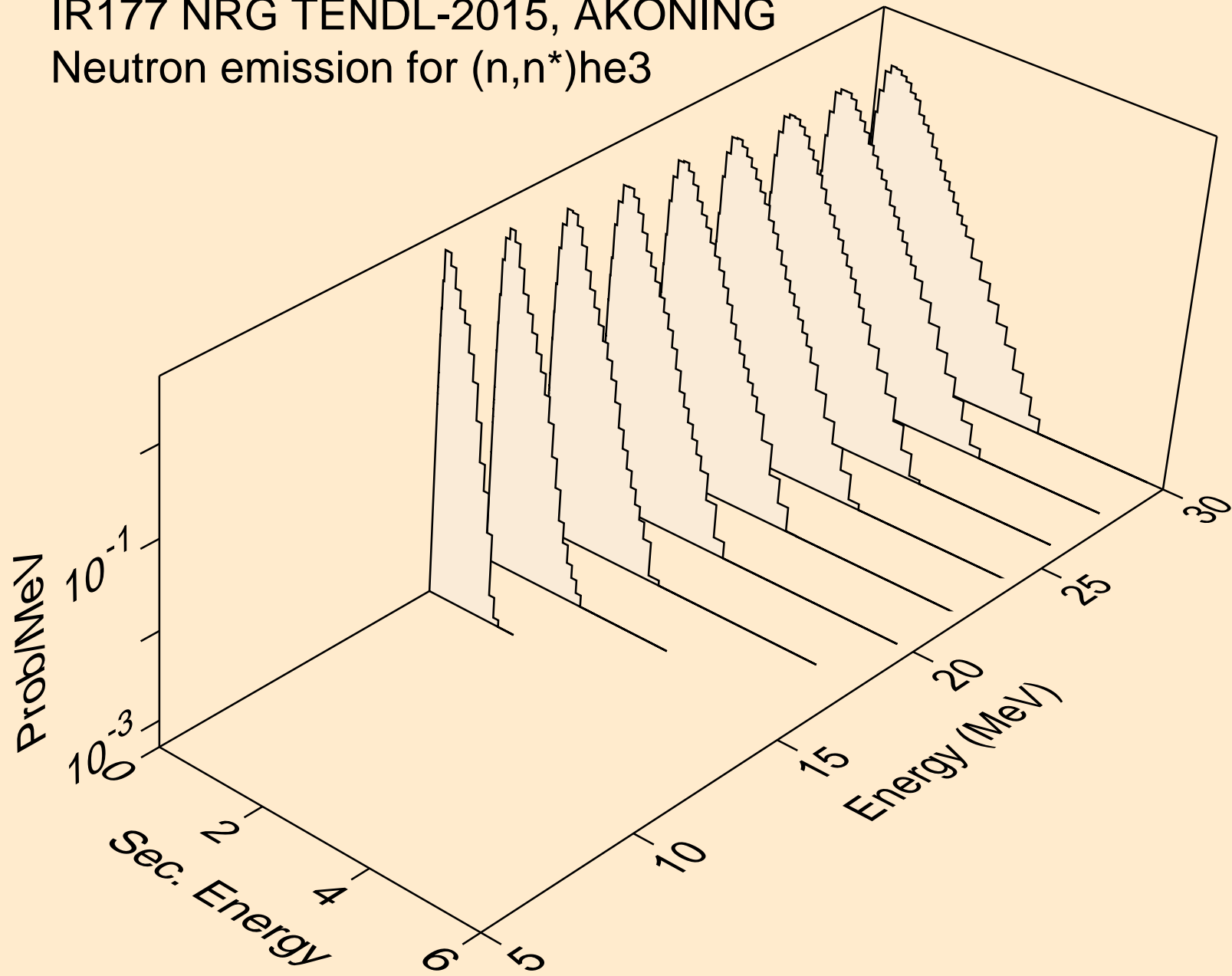
IR177 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



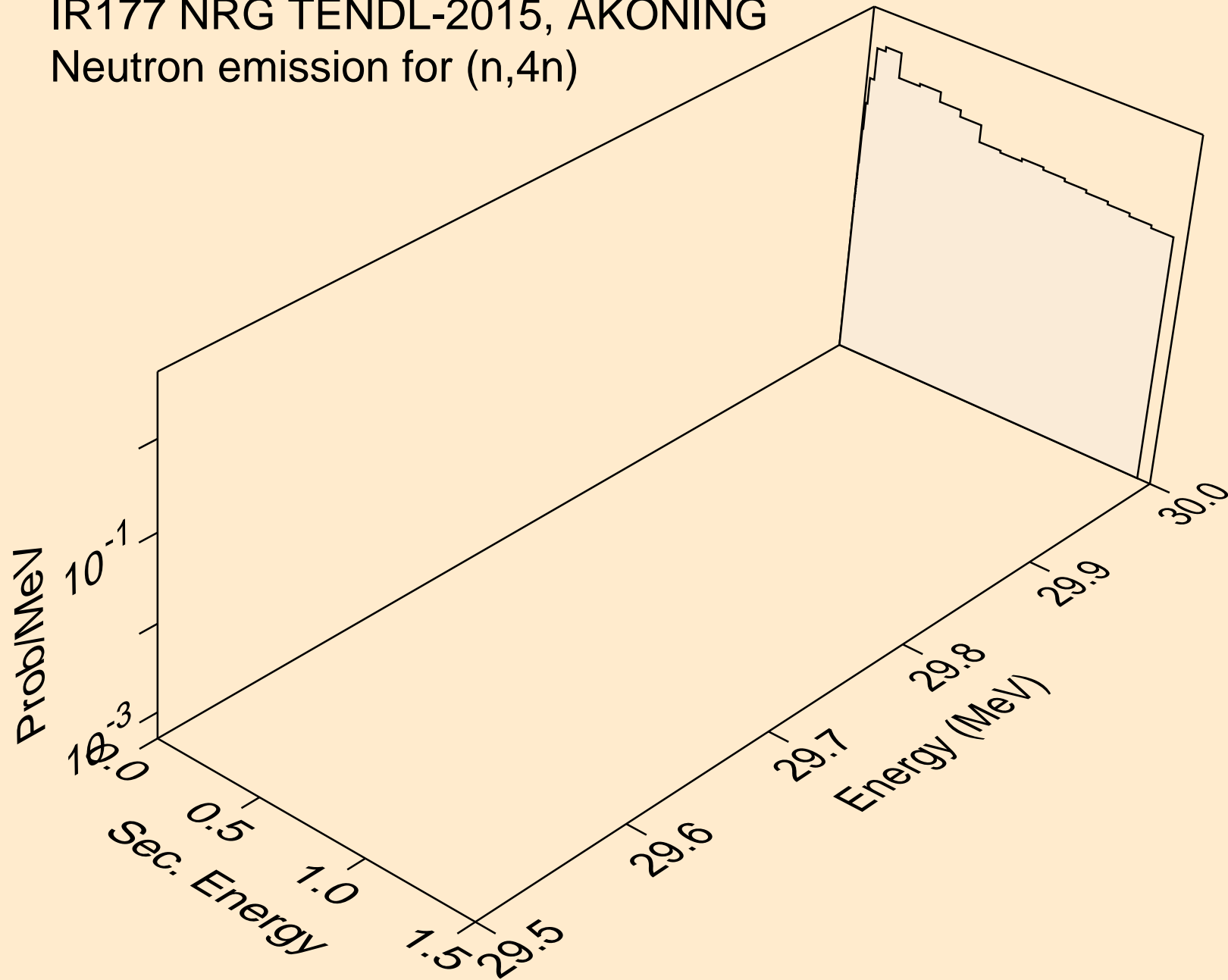
IR177 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



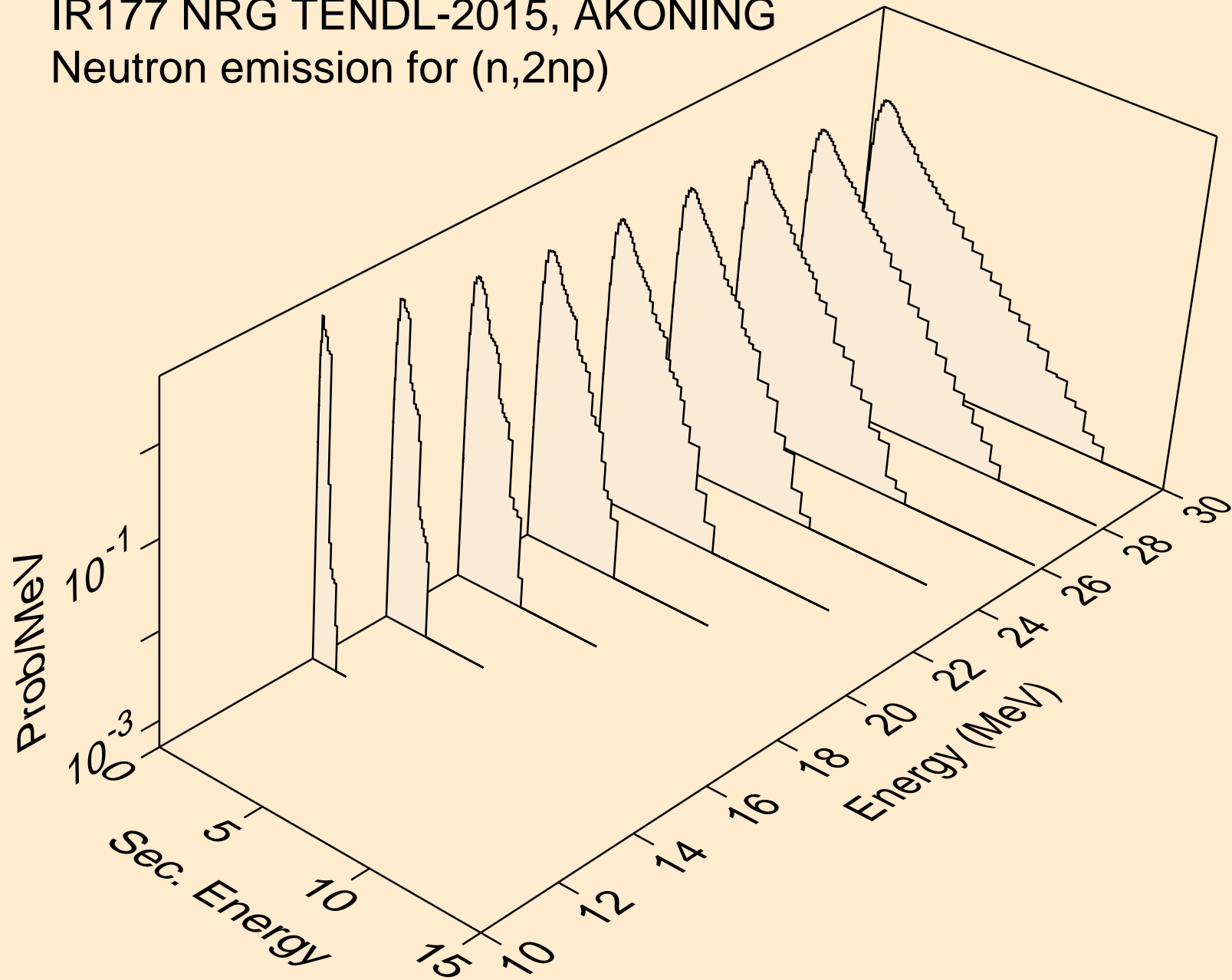
IR177 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



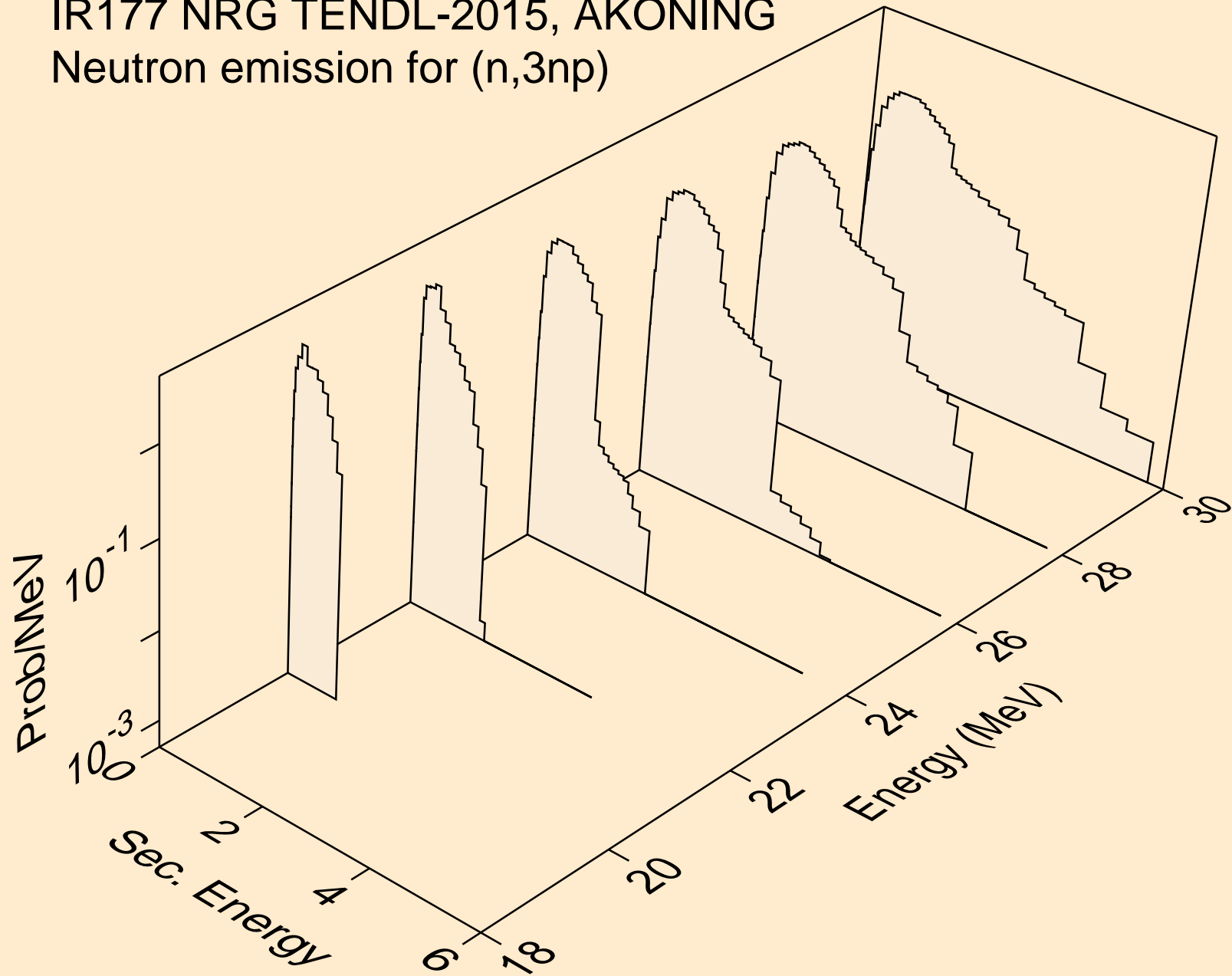
IR177 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



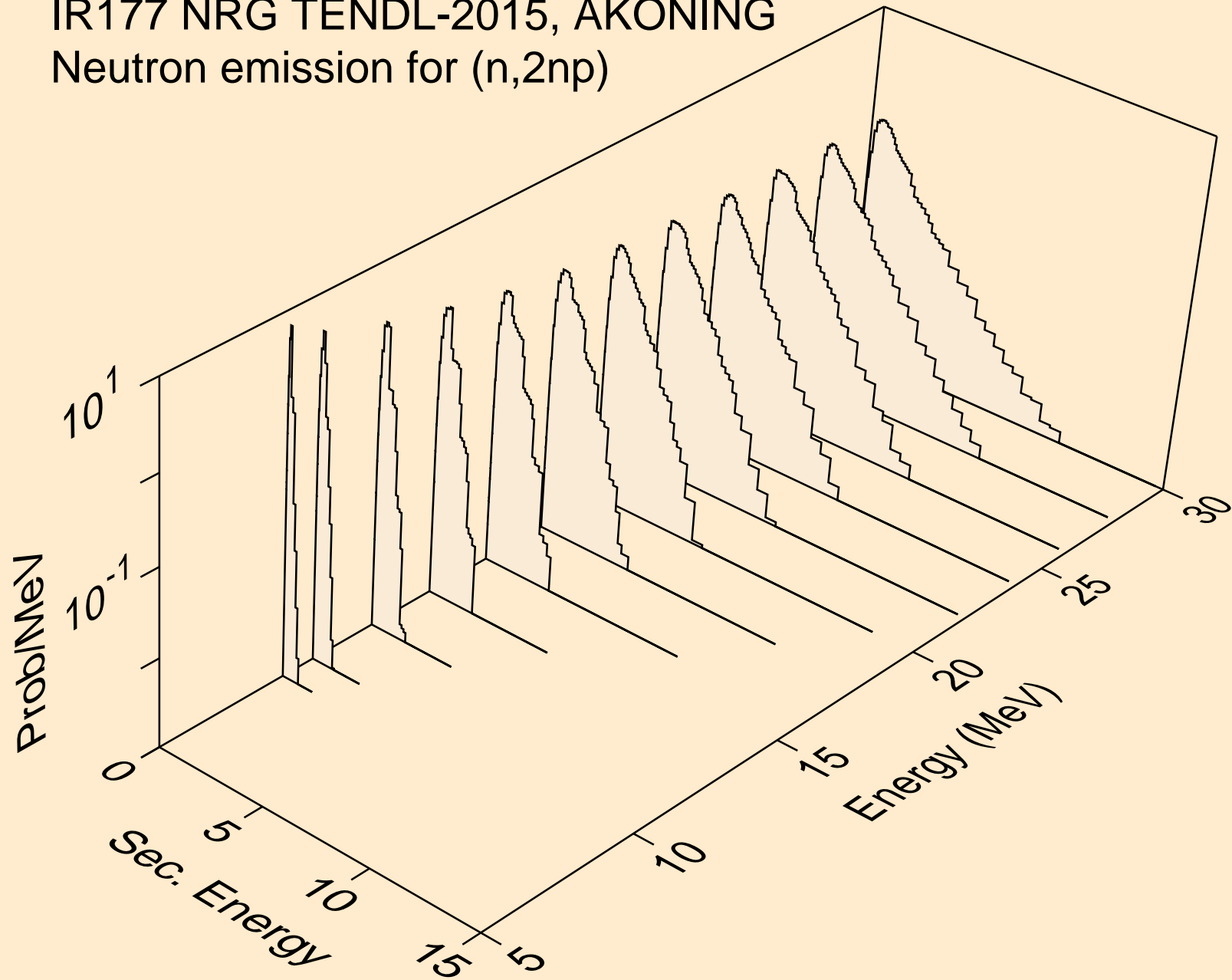
IR177 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



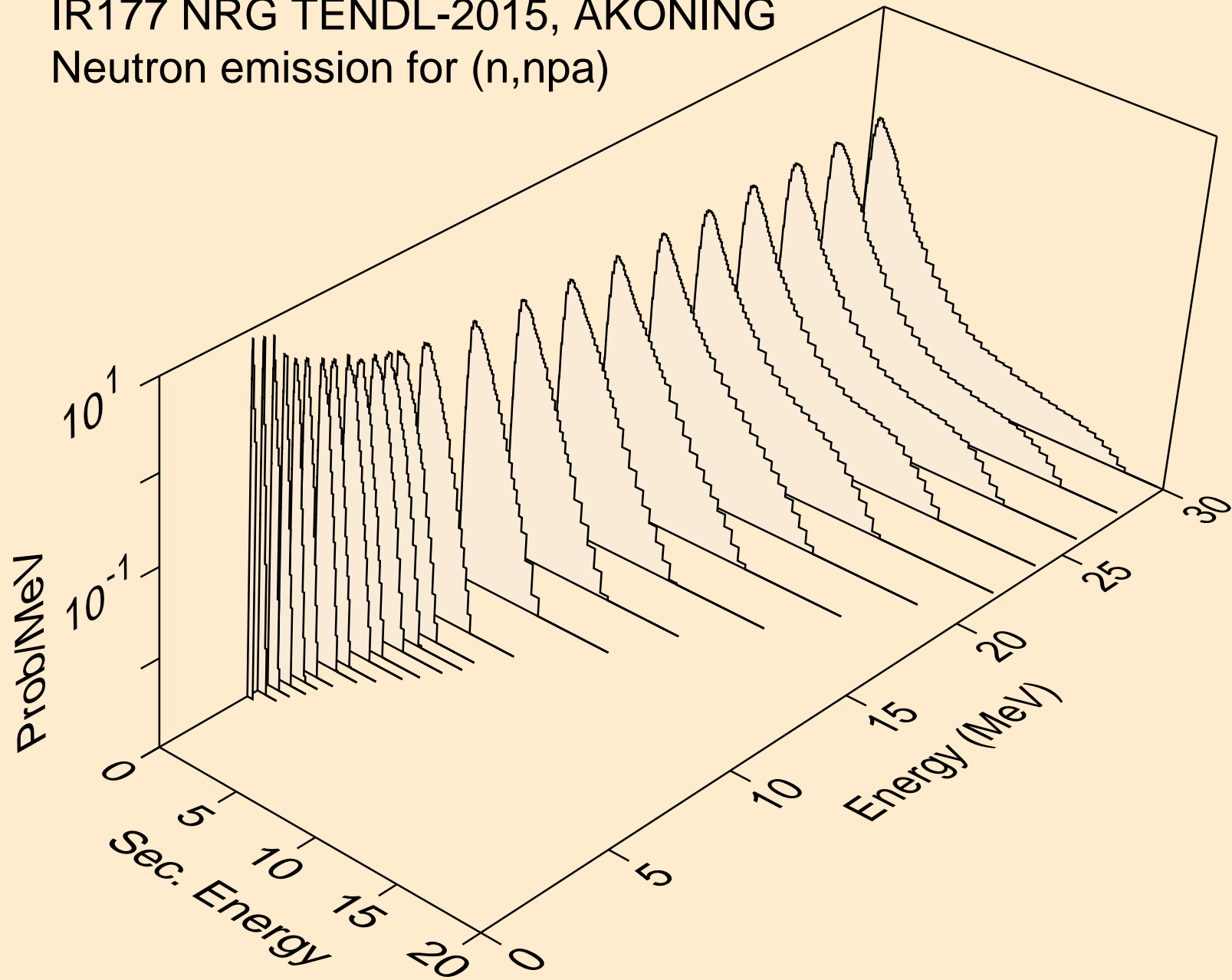
IR177 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



IR177 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)

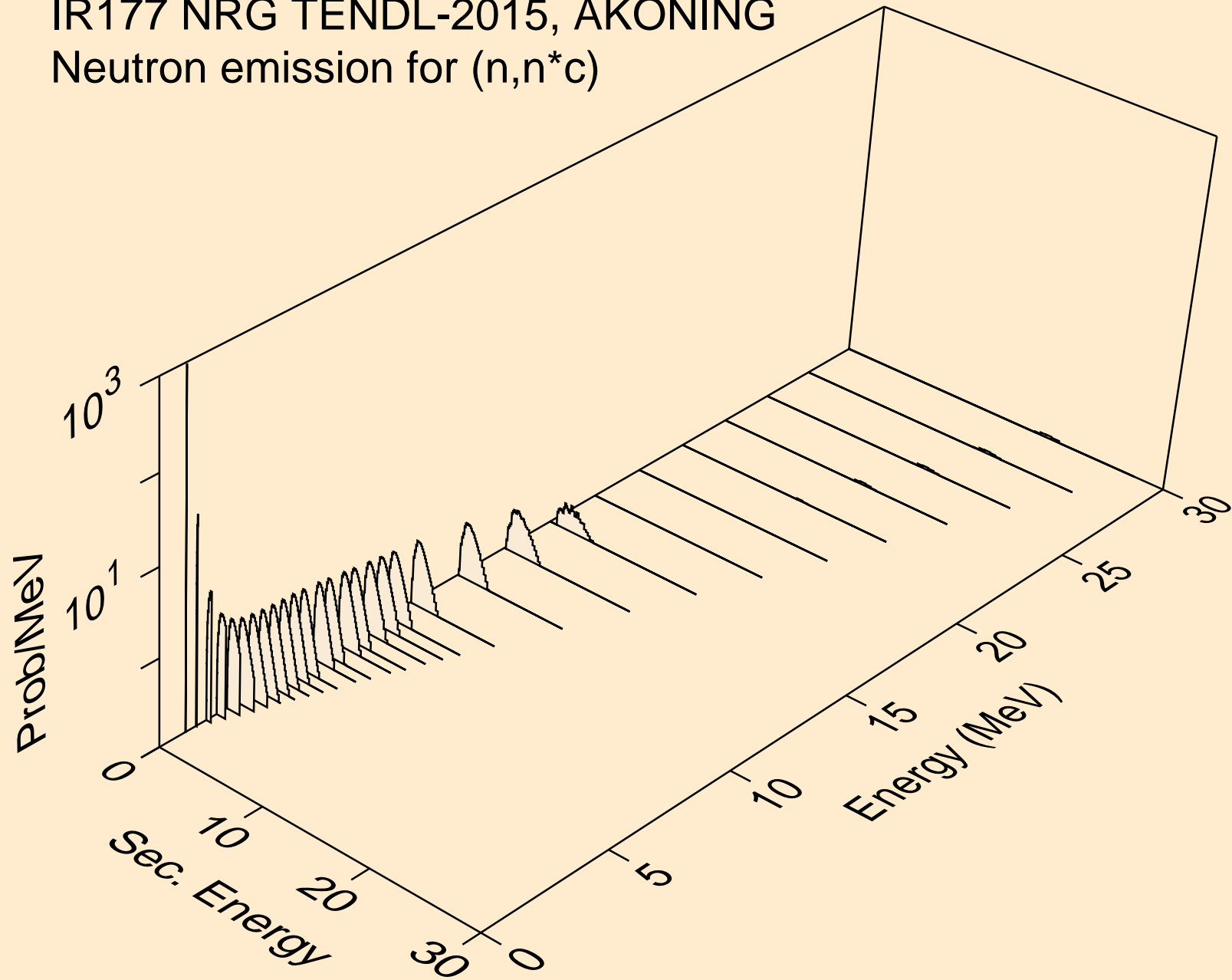


IR177 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)

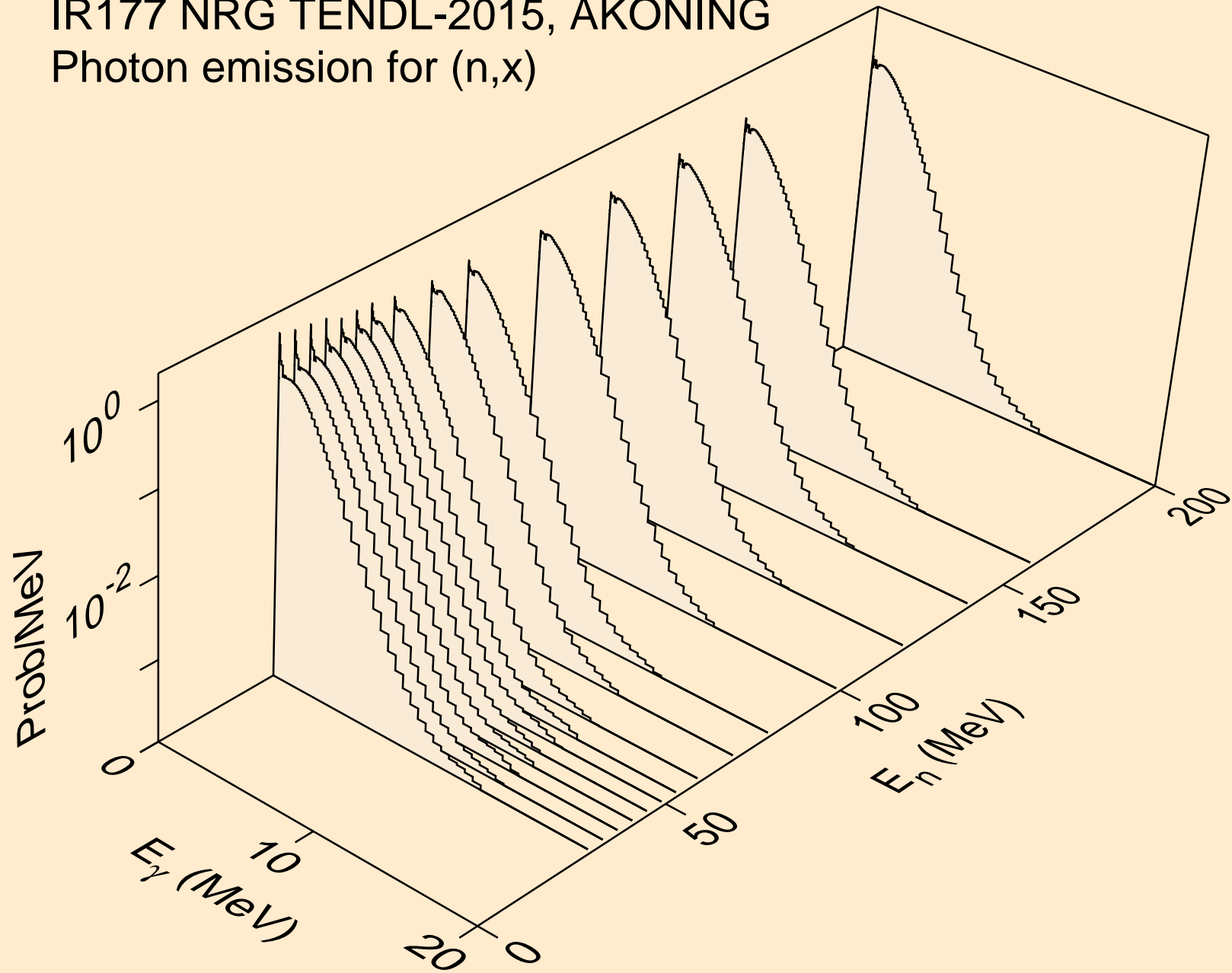




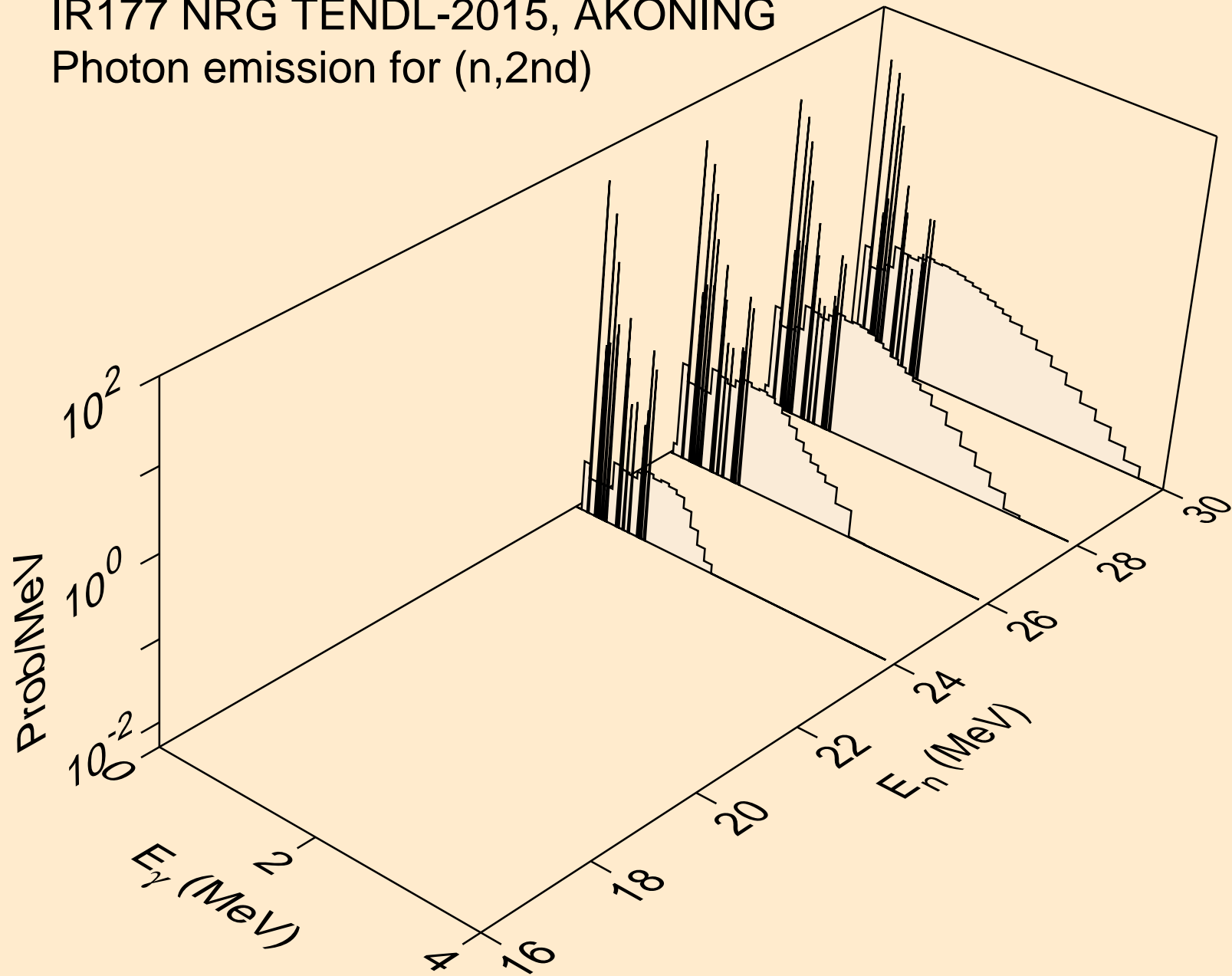
IR177 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



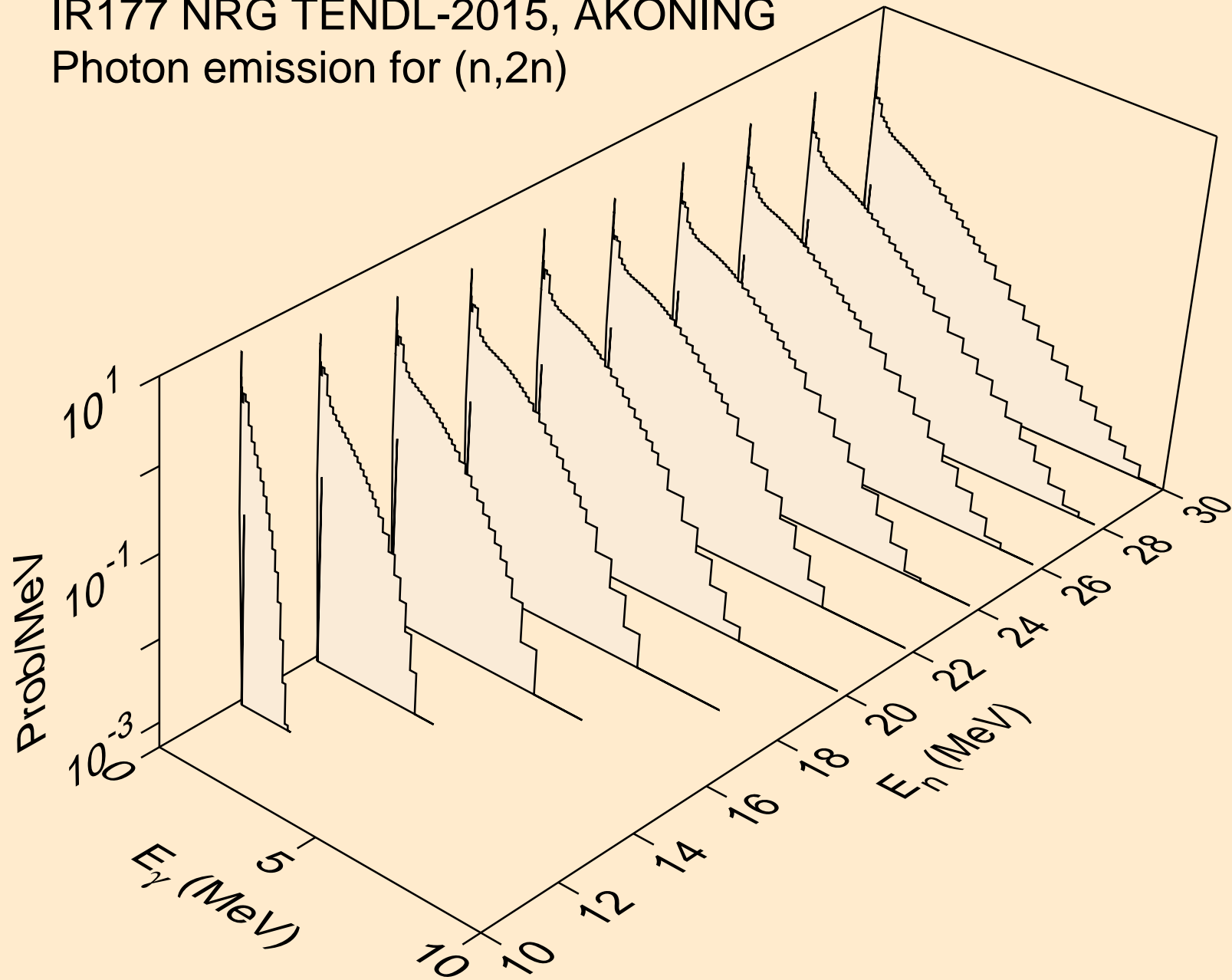
IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



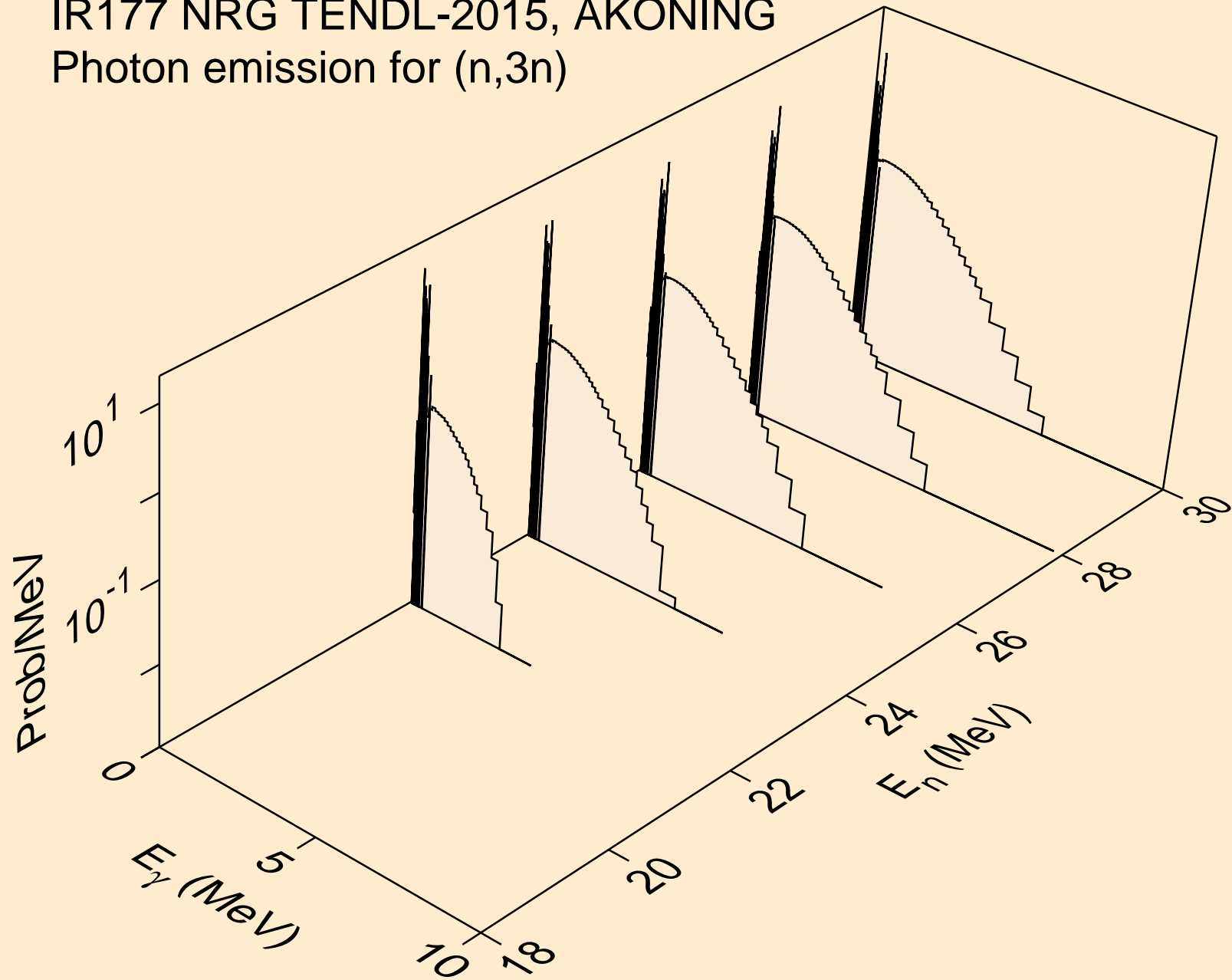
IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



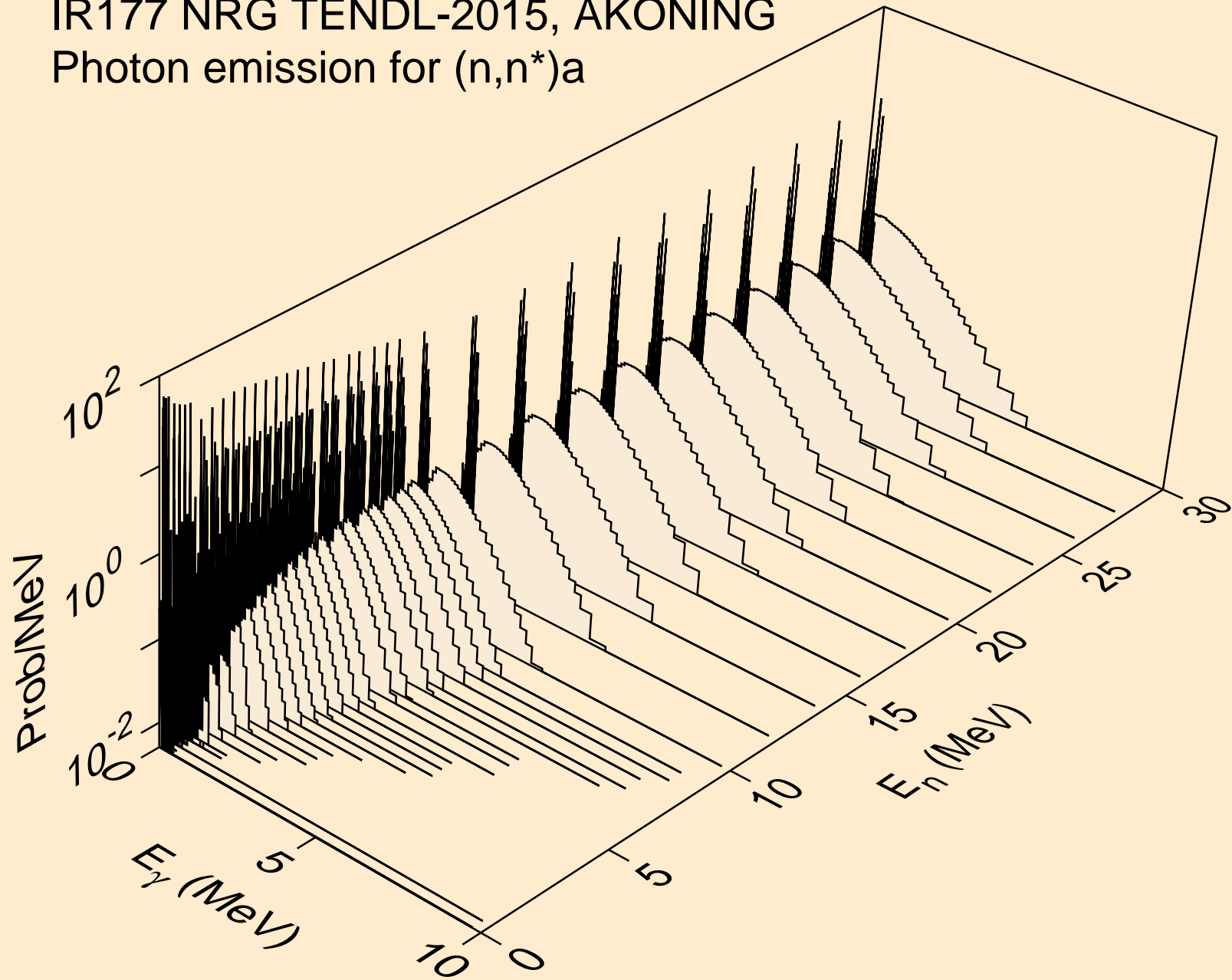
IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



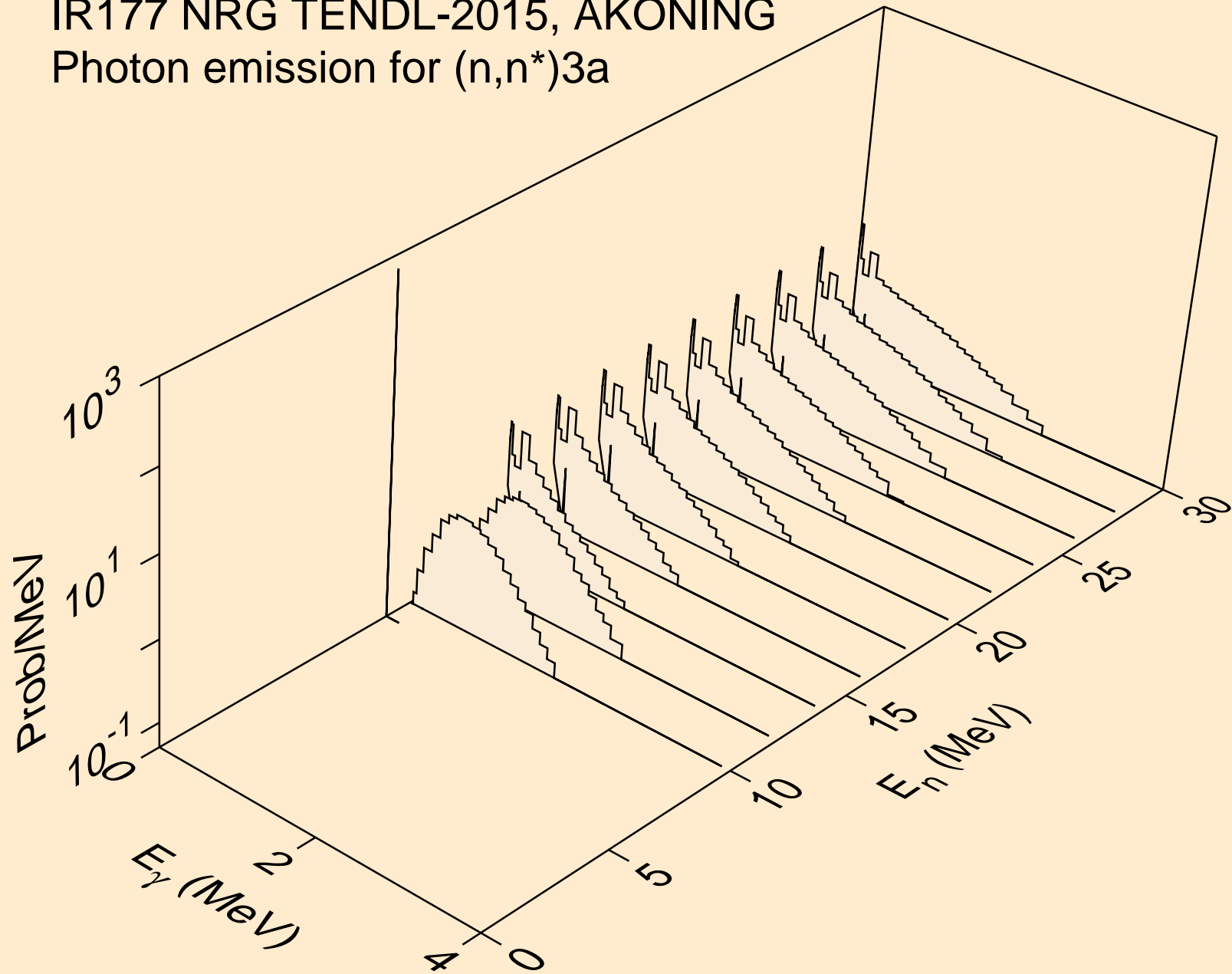
IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



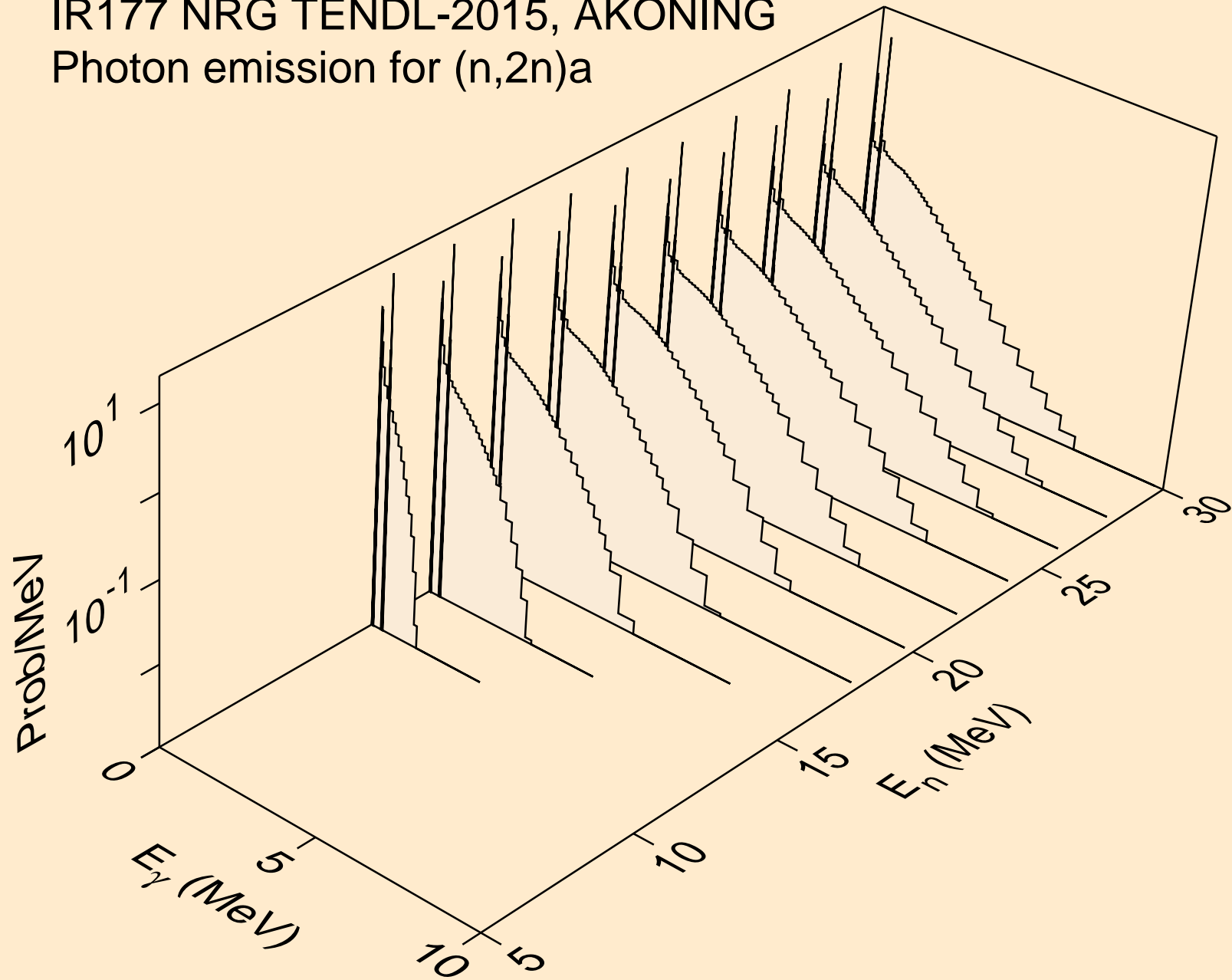
IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)3a

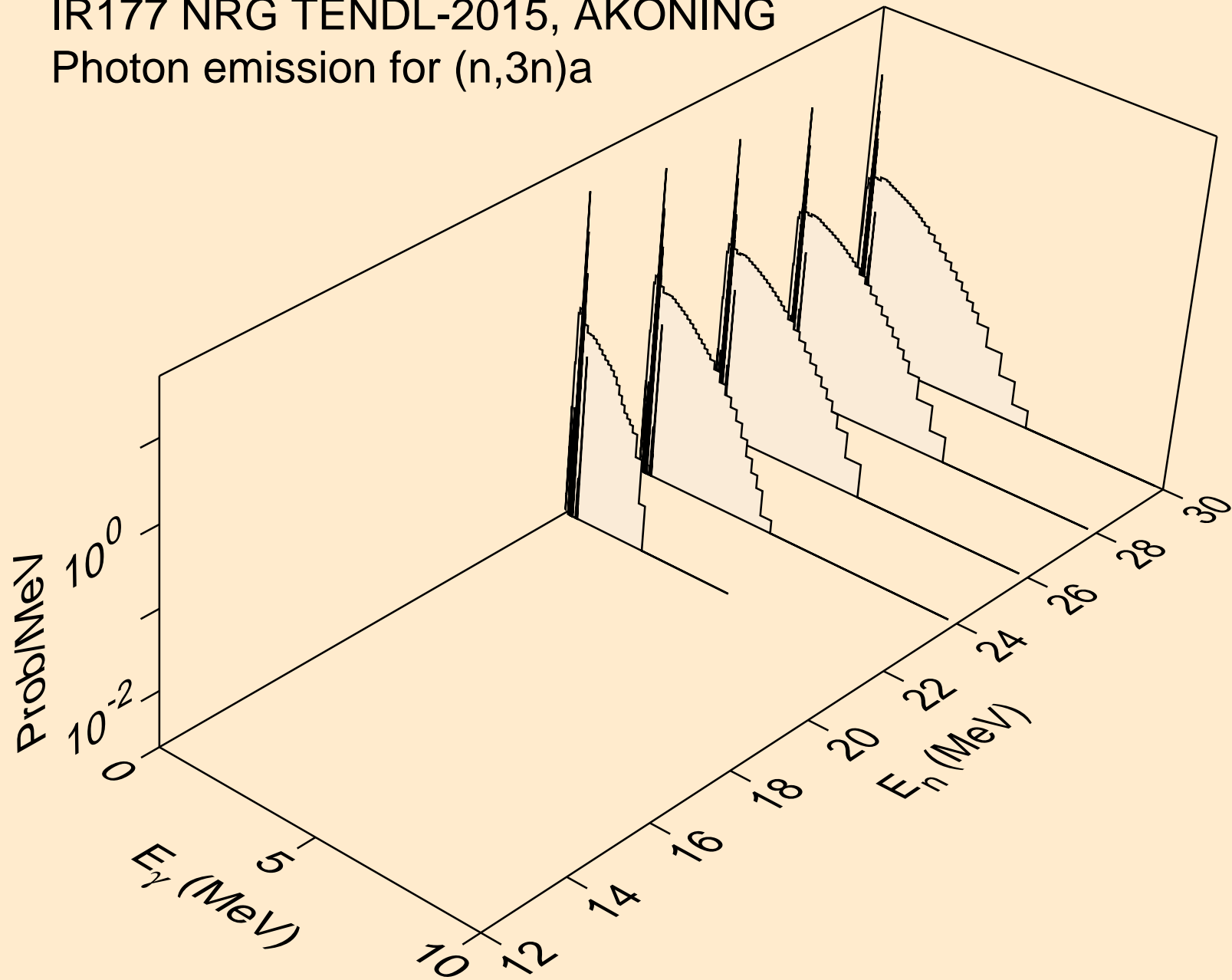


IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a

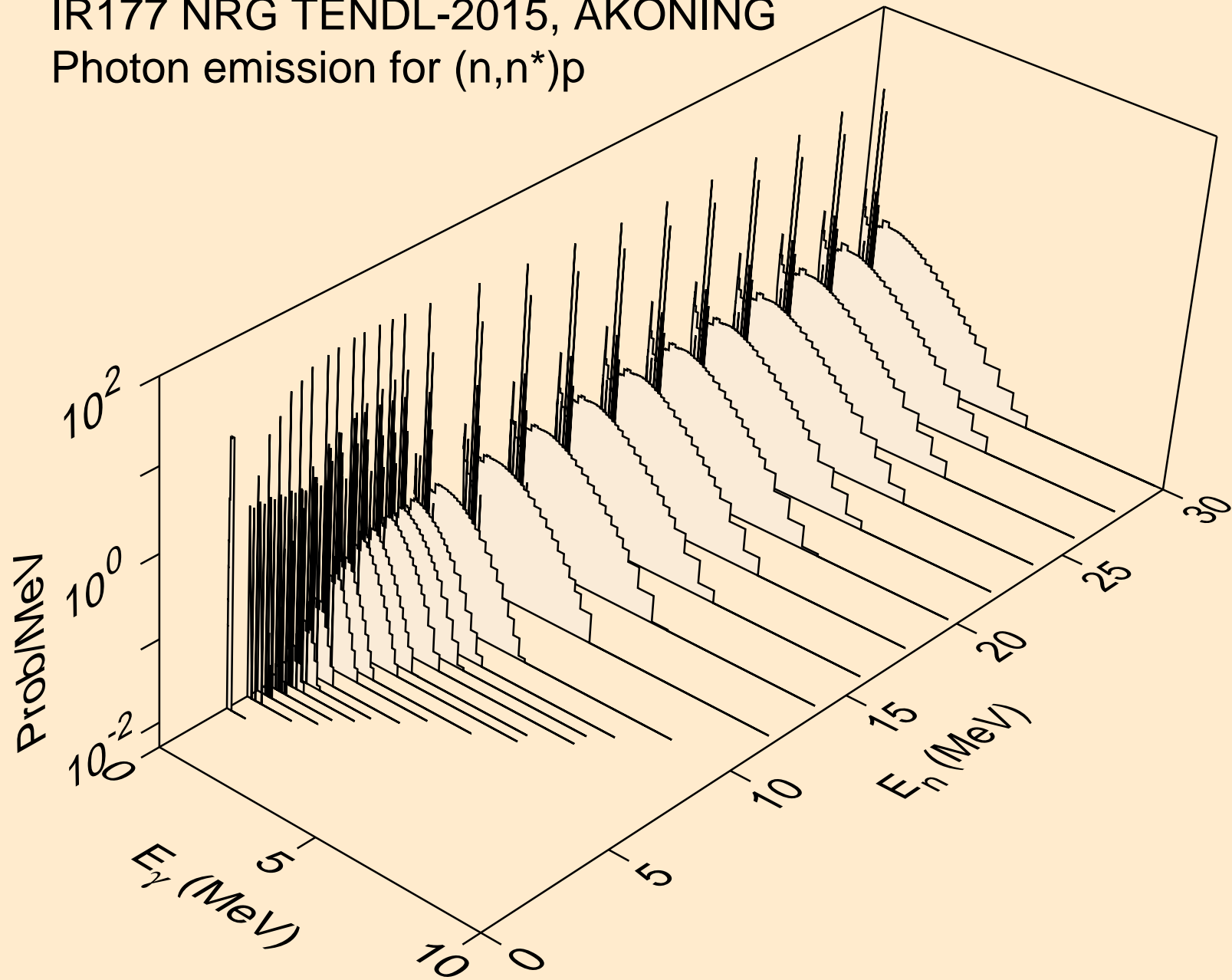




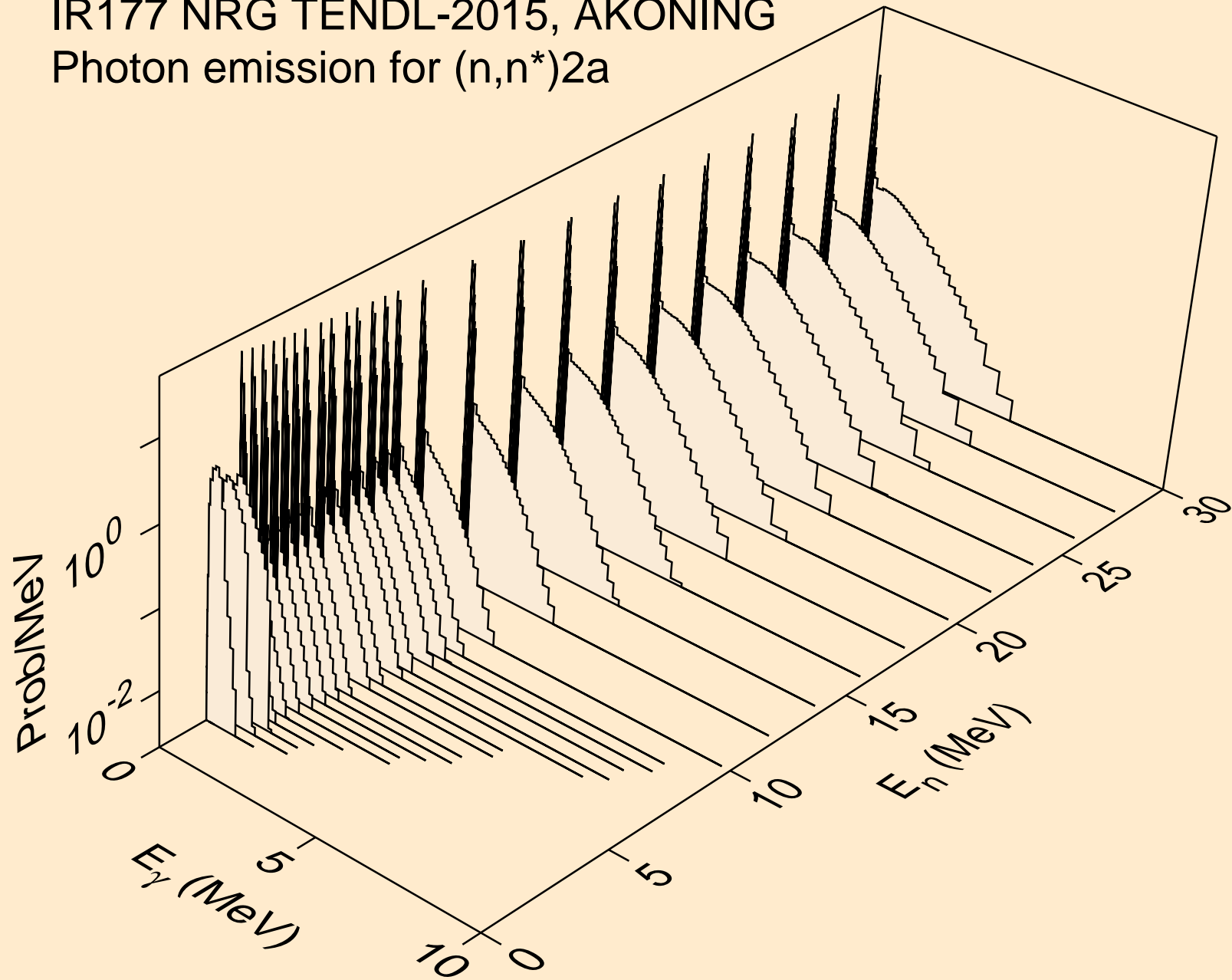
IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



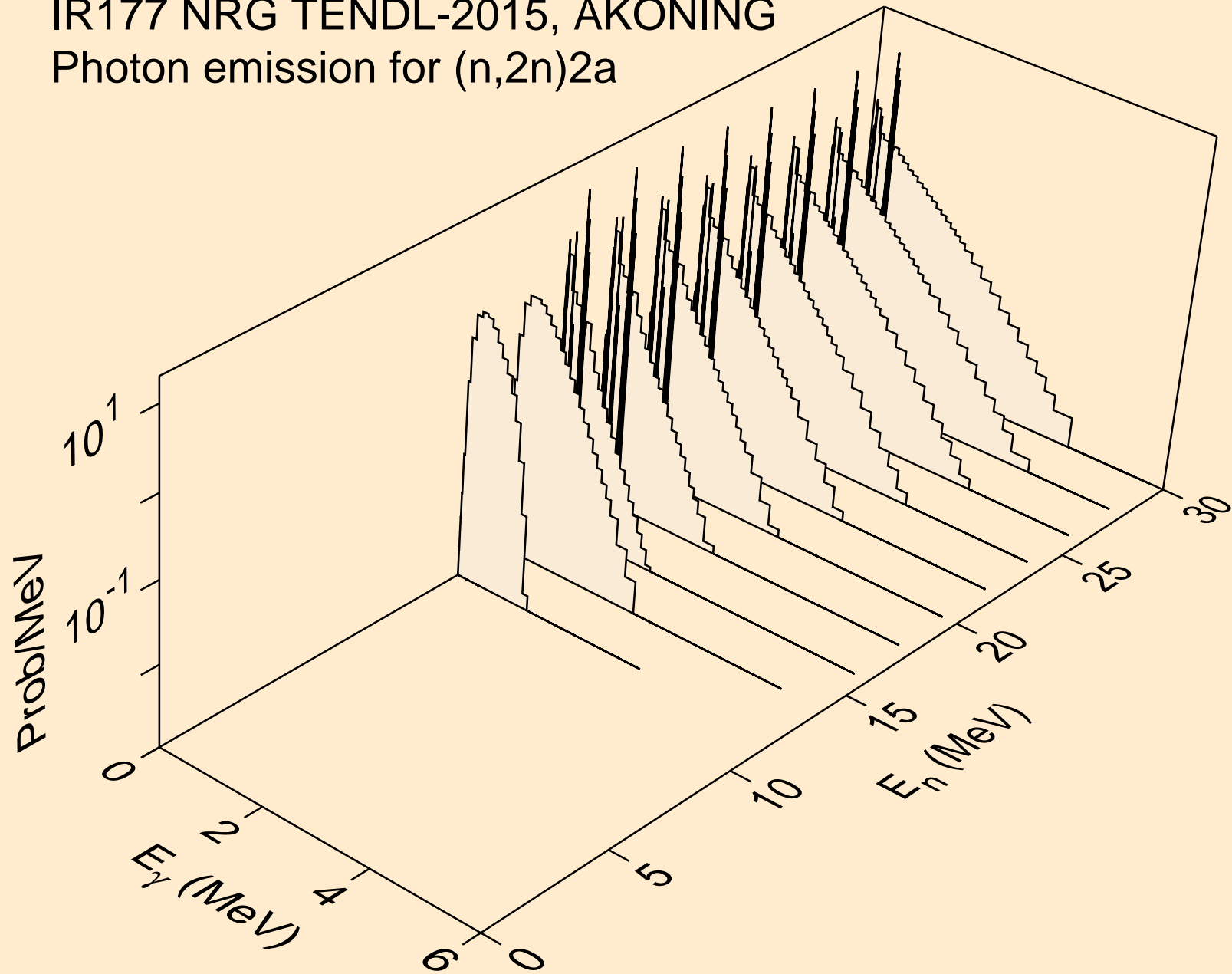
IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



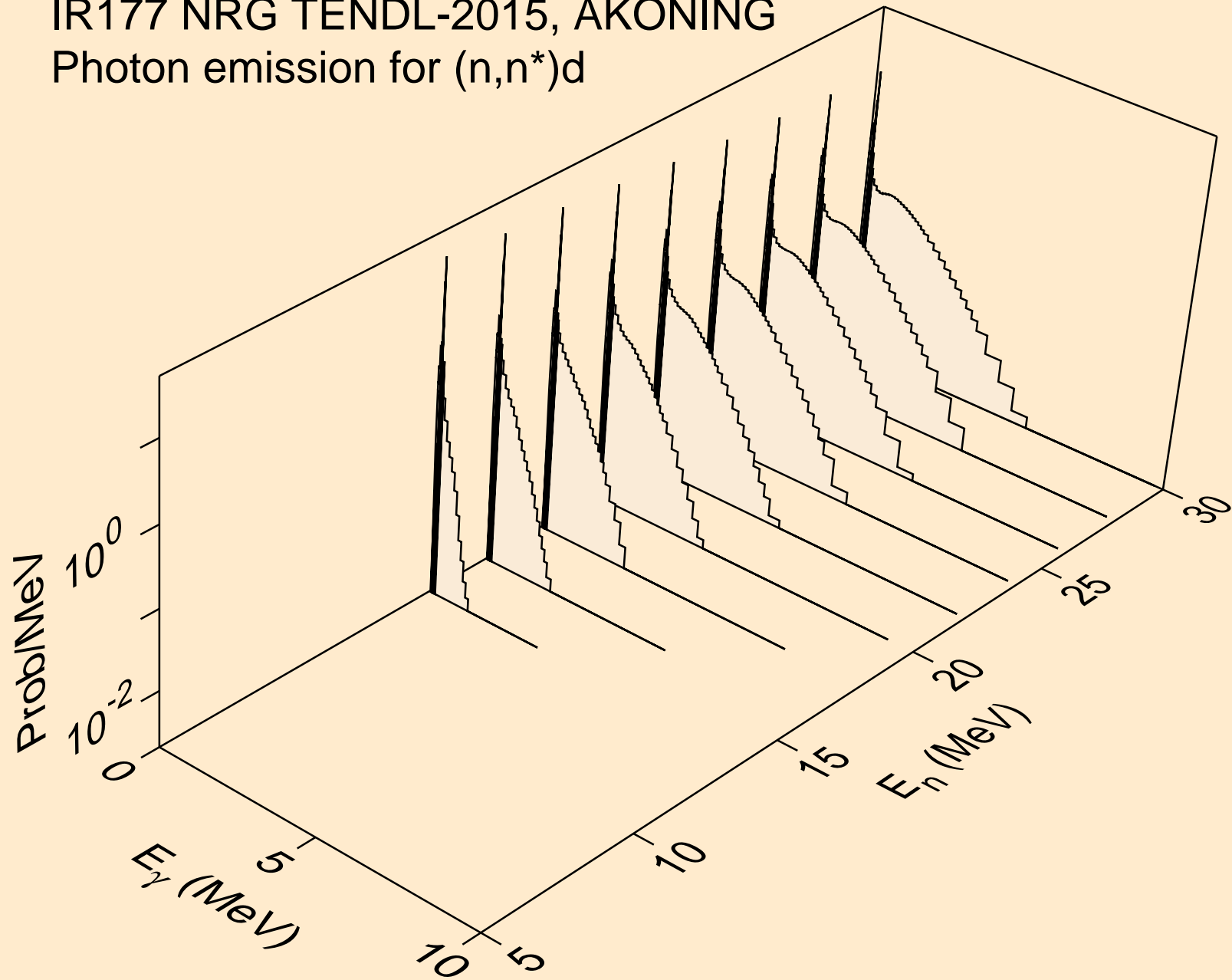
IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



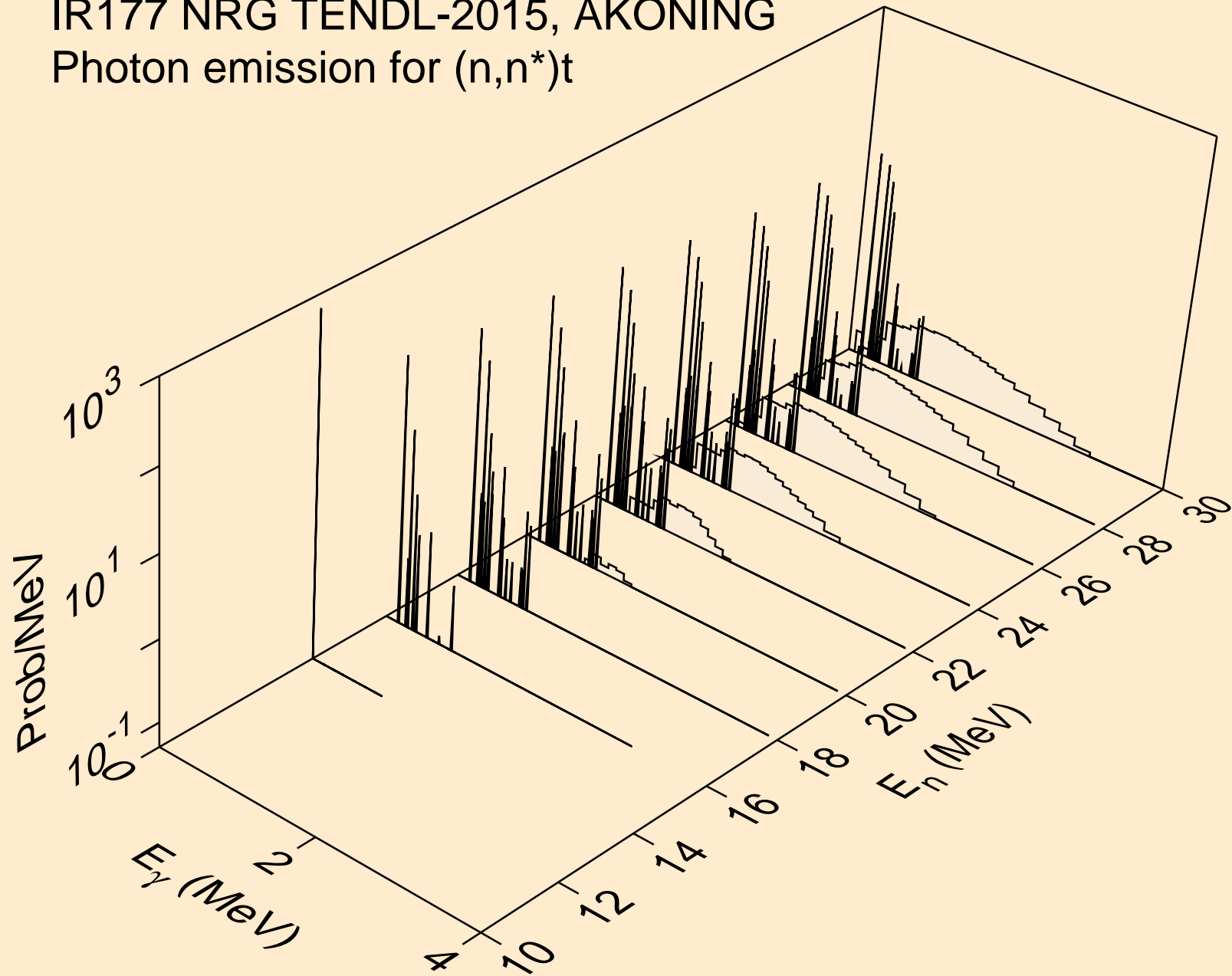
IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a



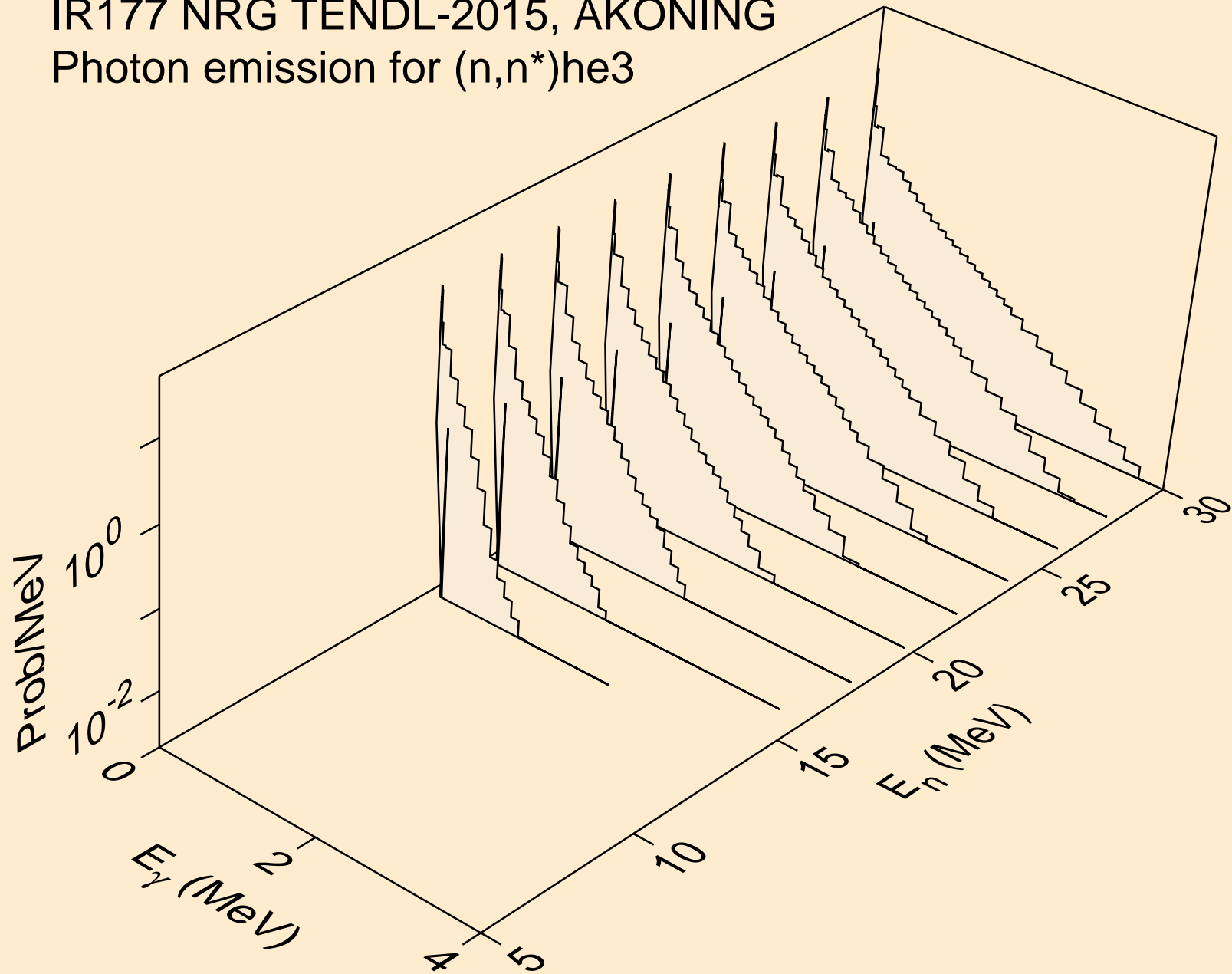
IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d



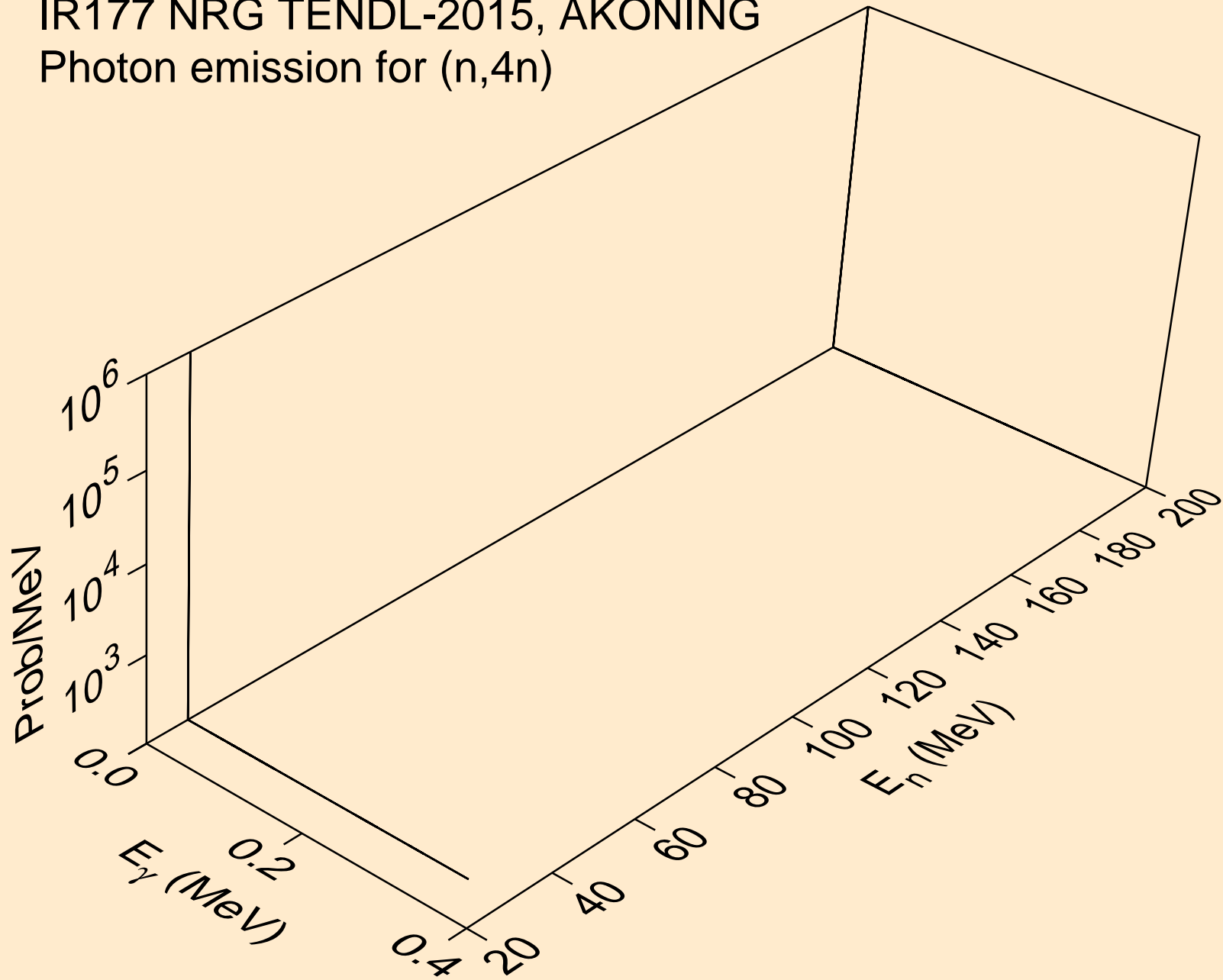
IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3

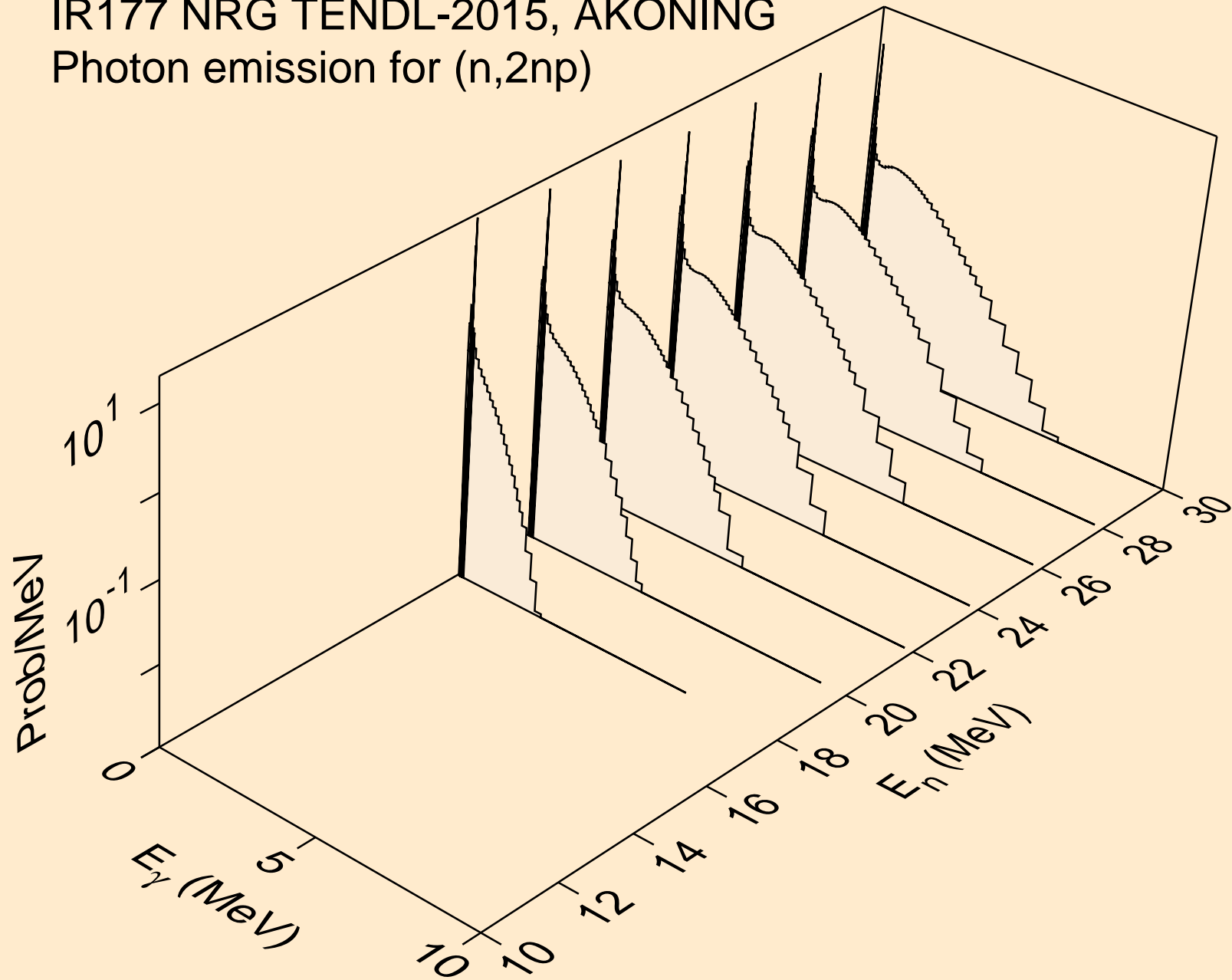


IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)

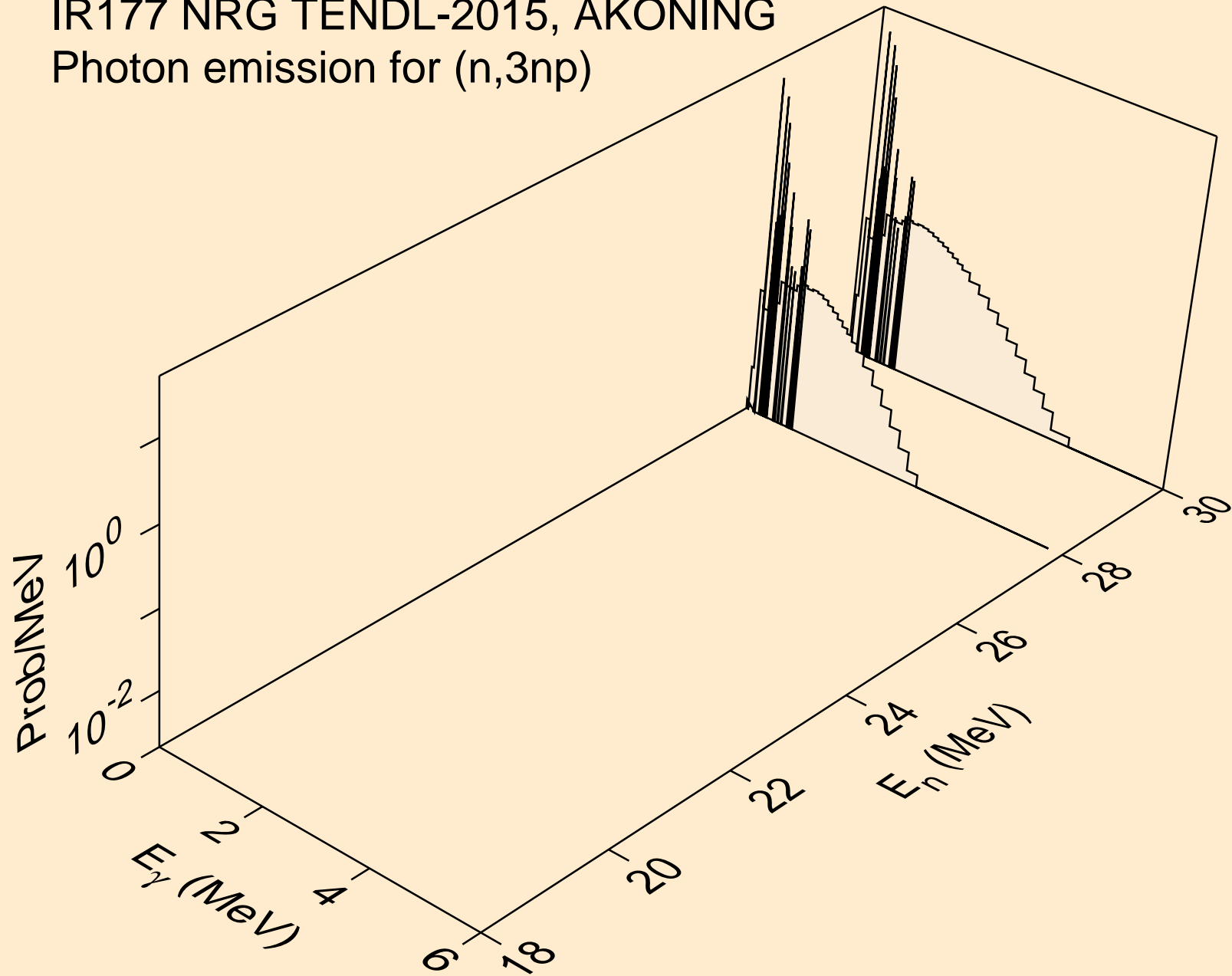




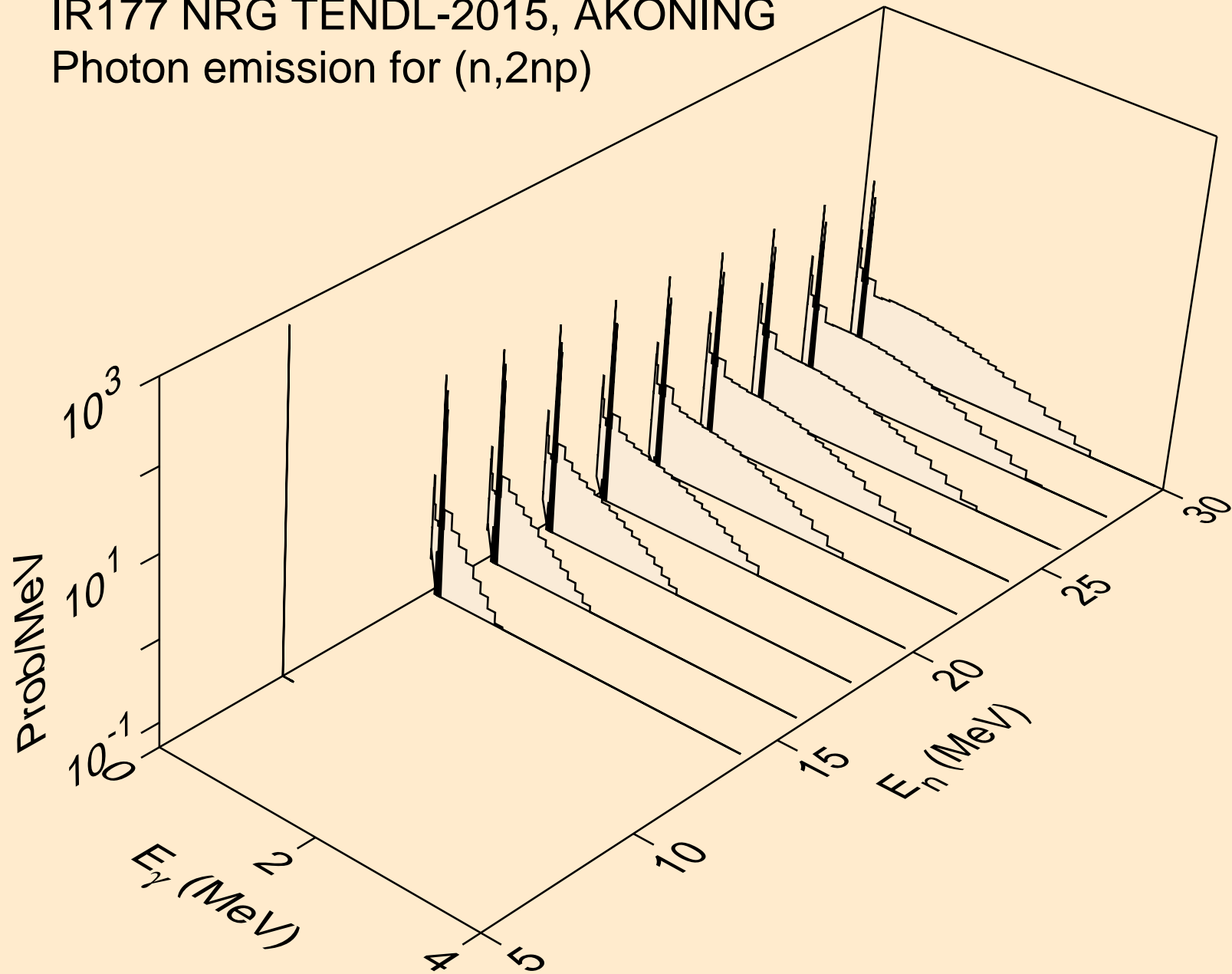
IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



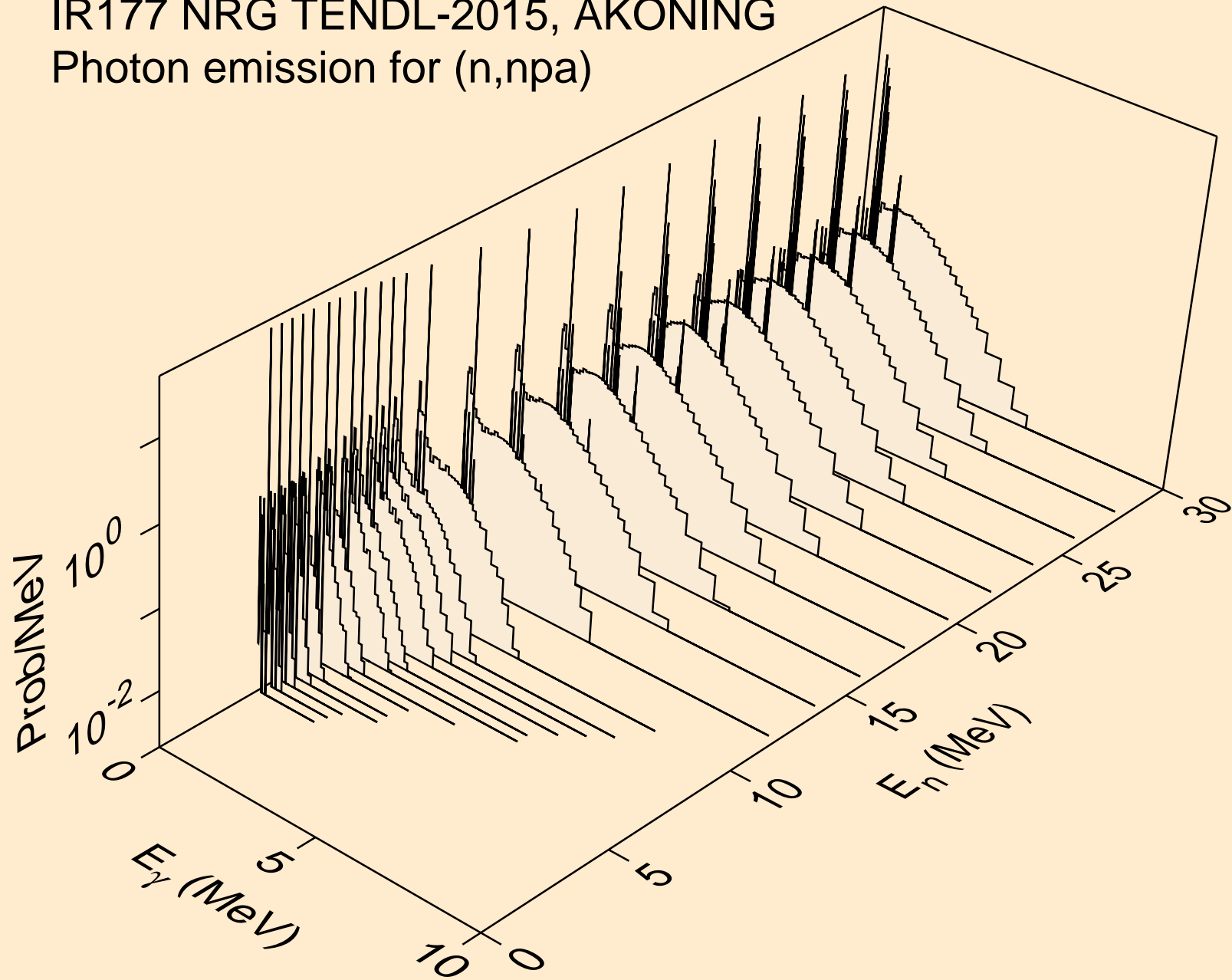
IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



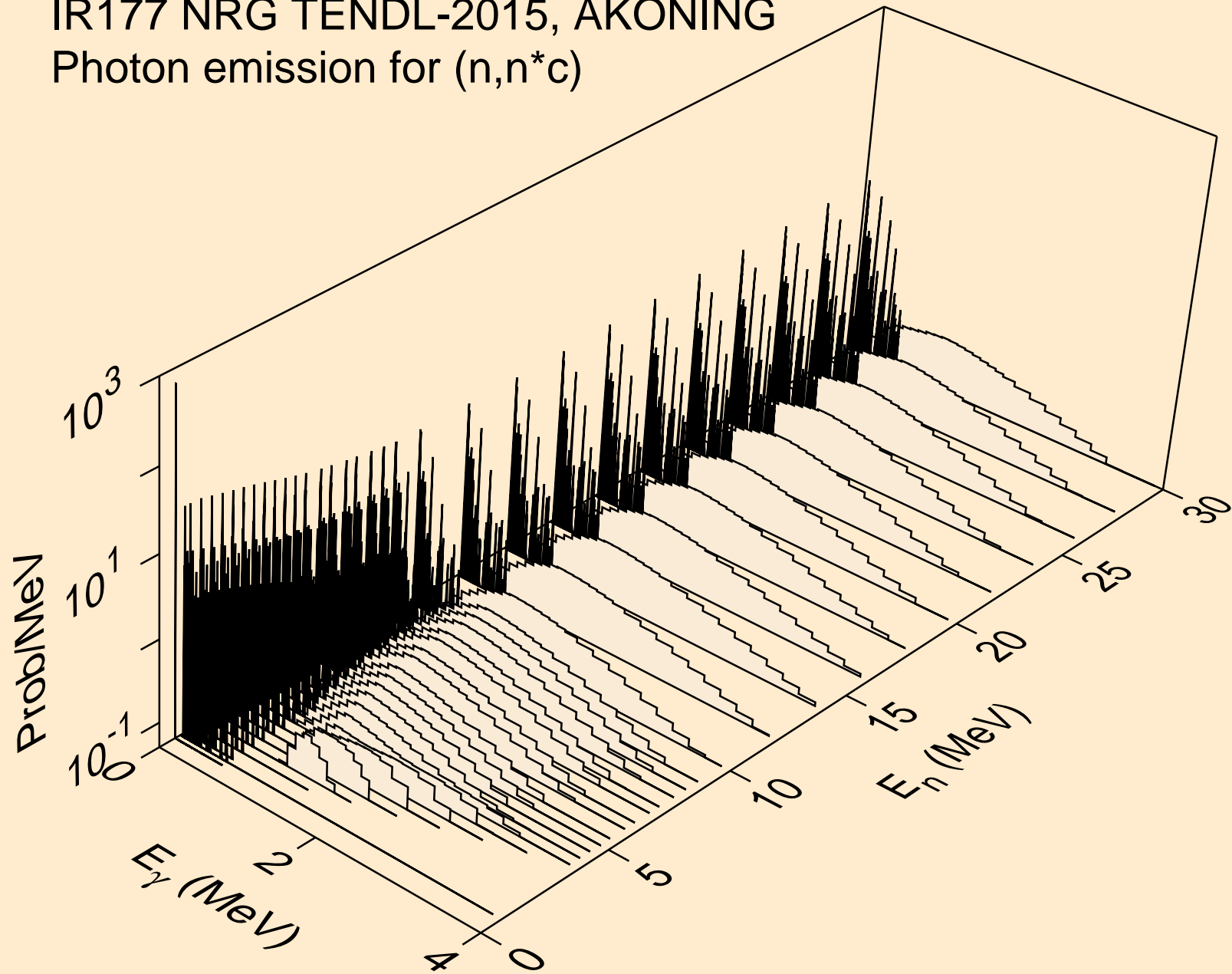
IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



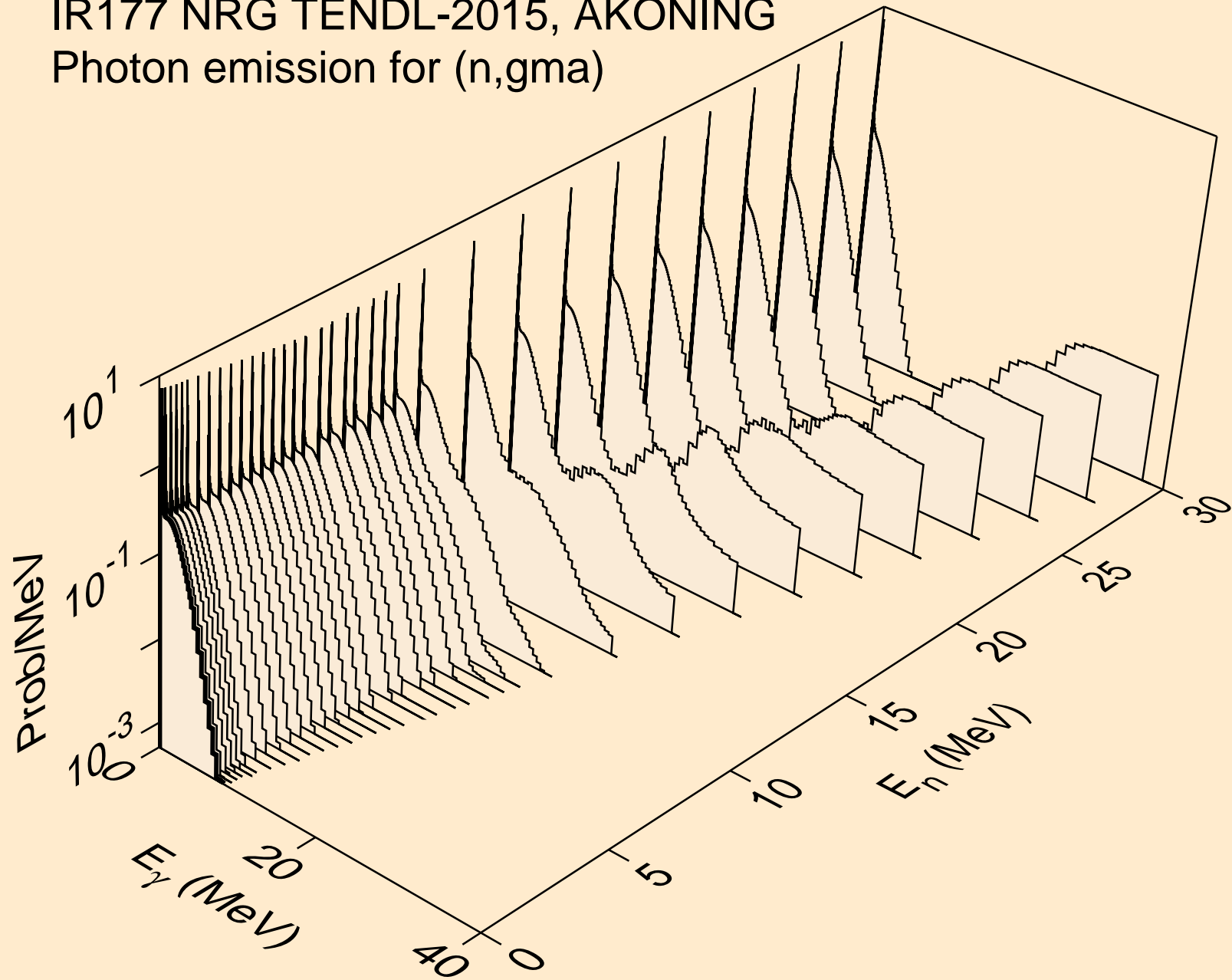
IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



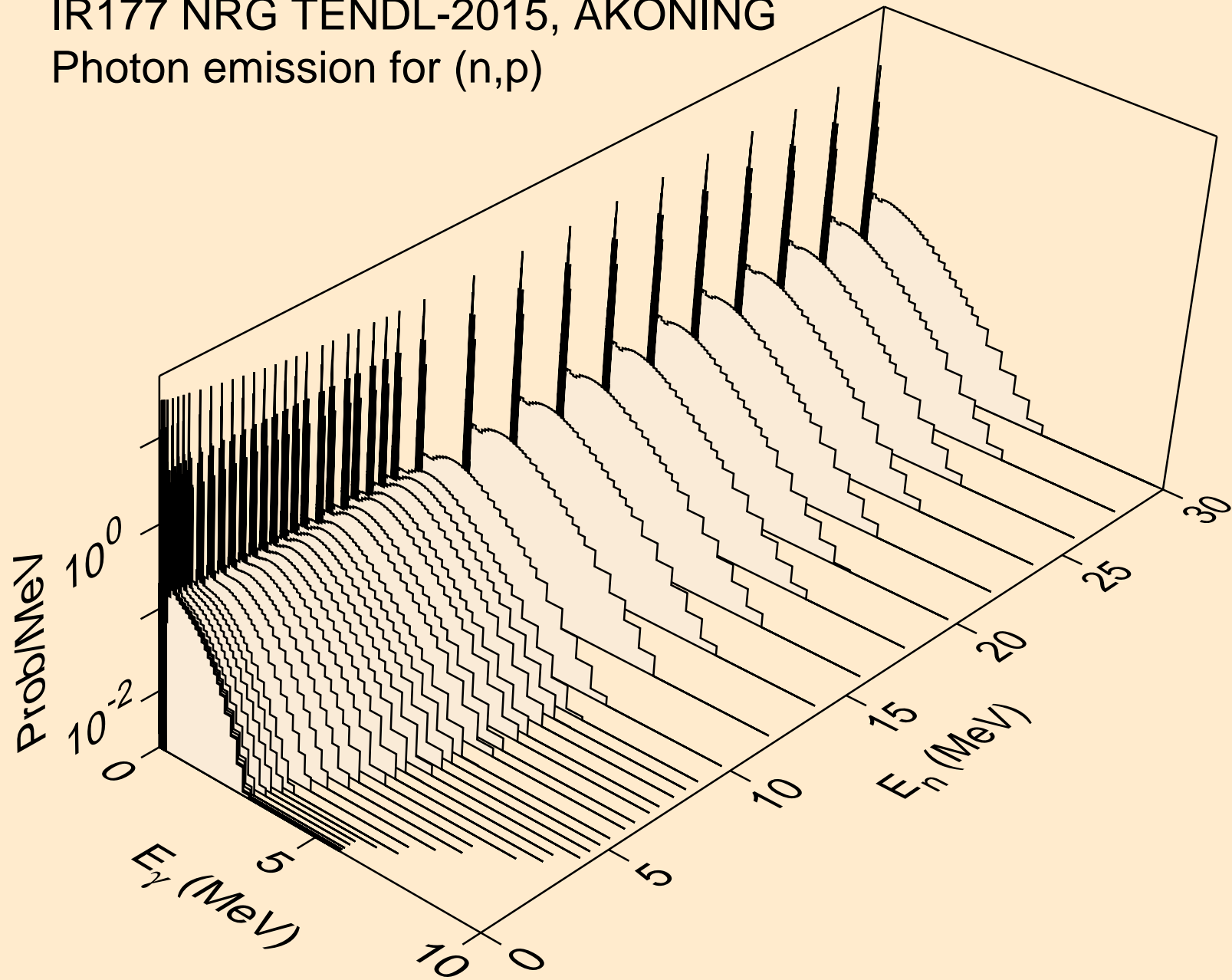
IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



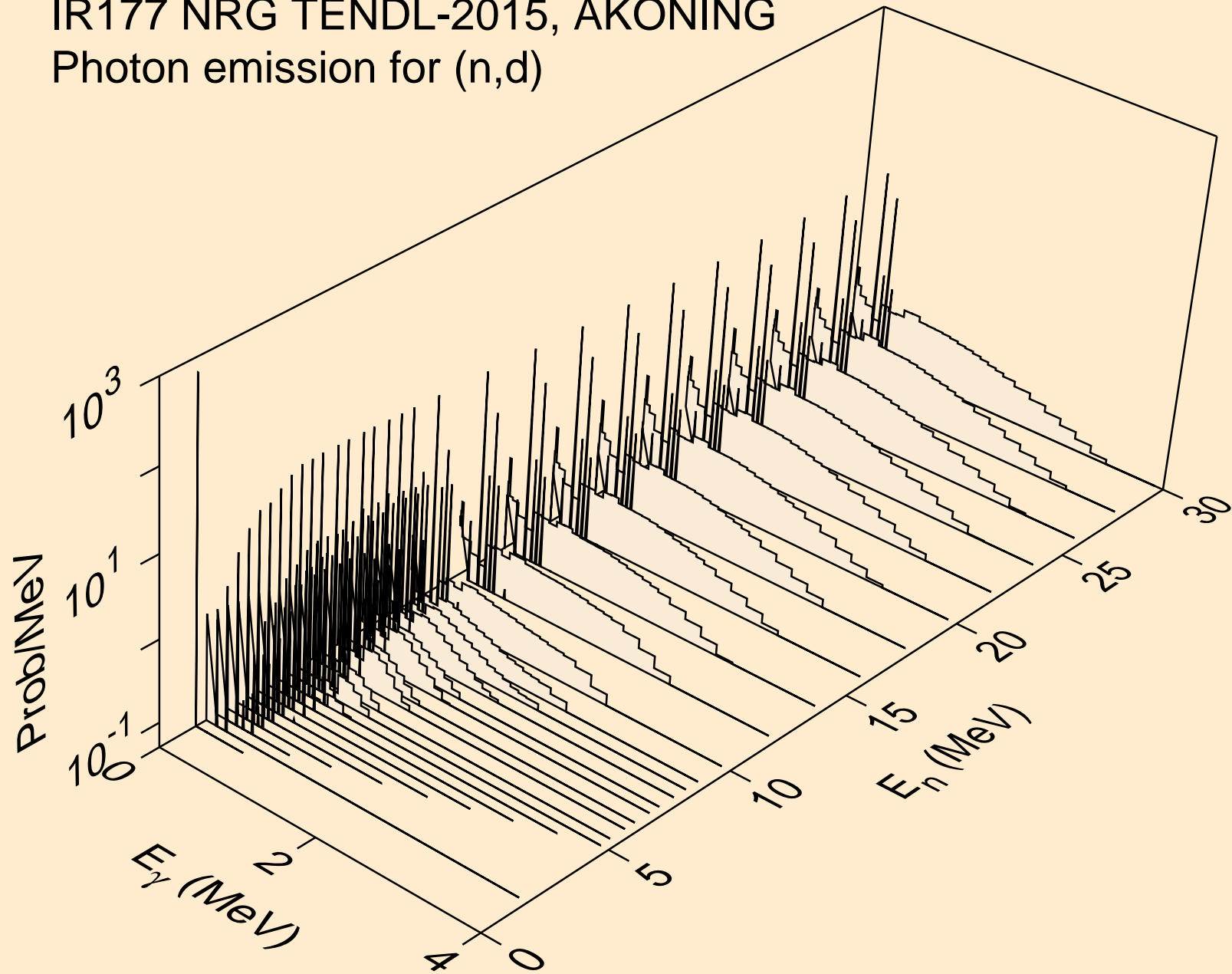
IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,p)

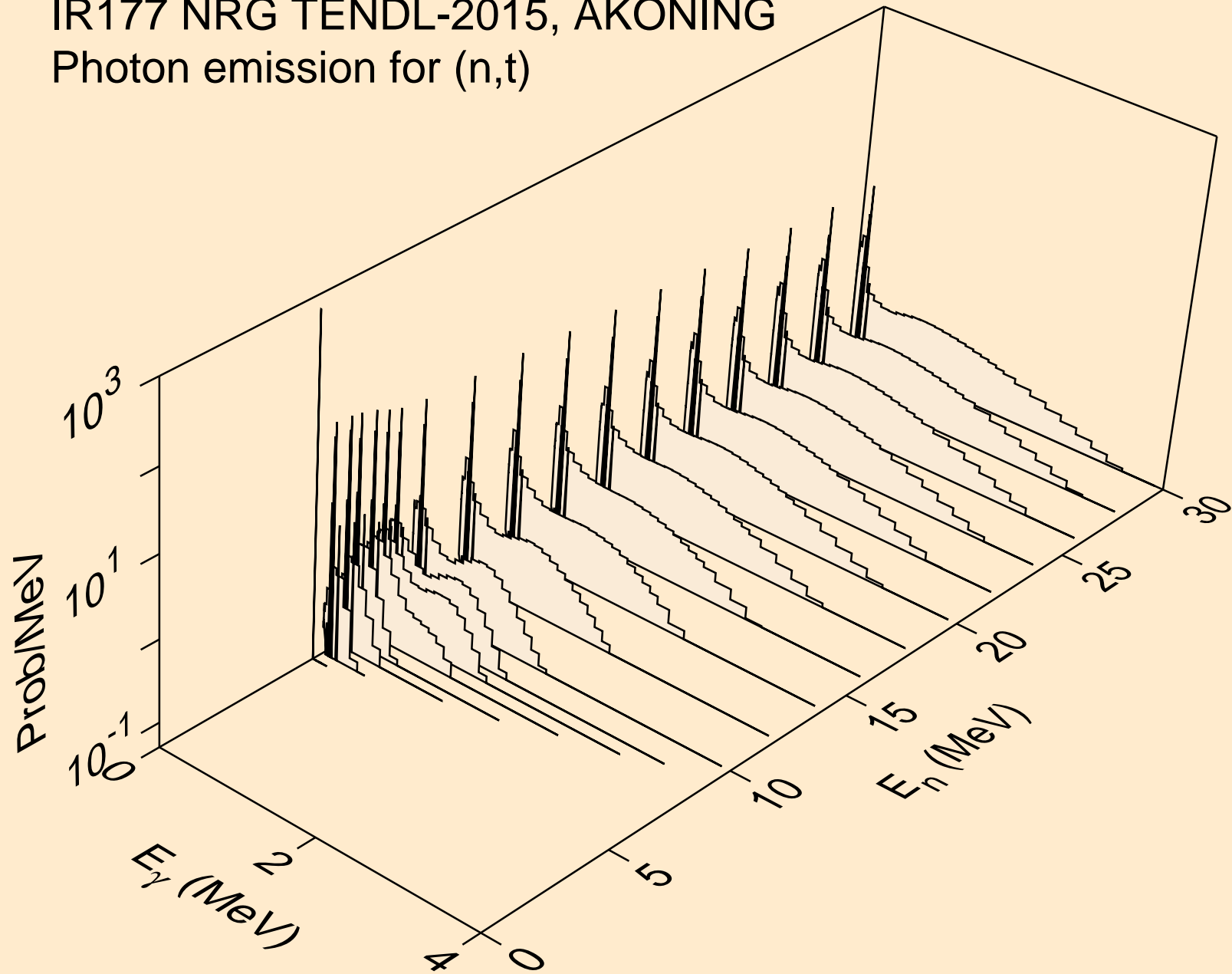


IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,d)

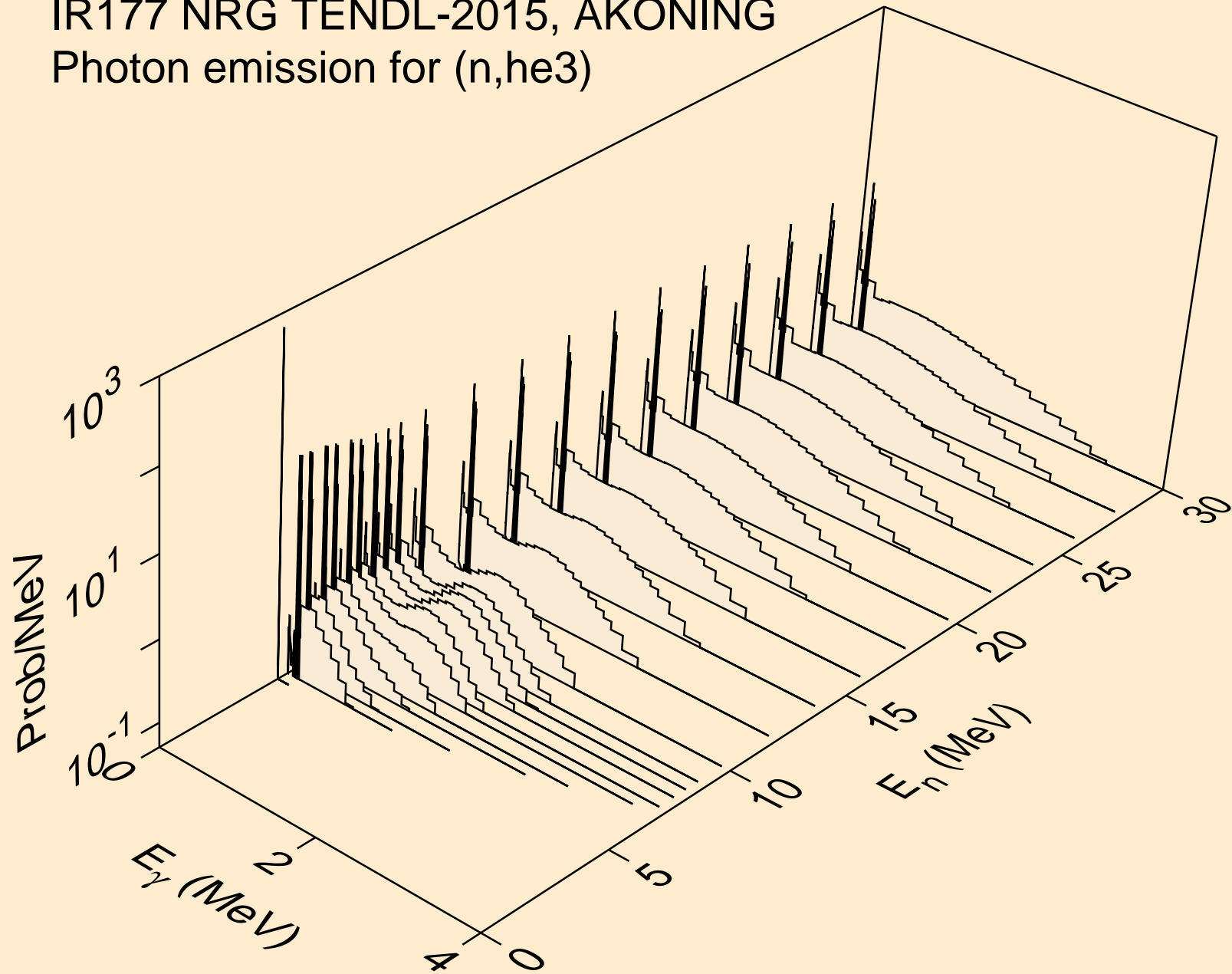




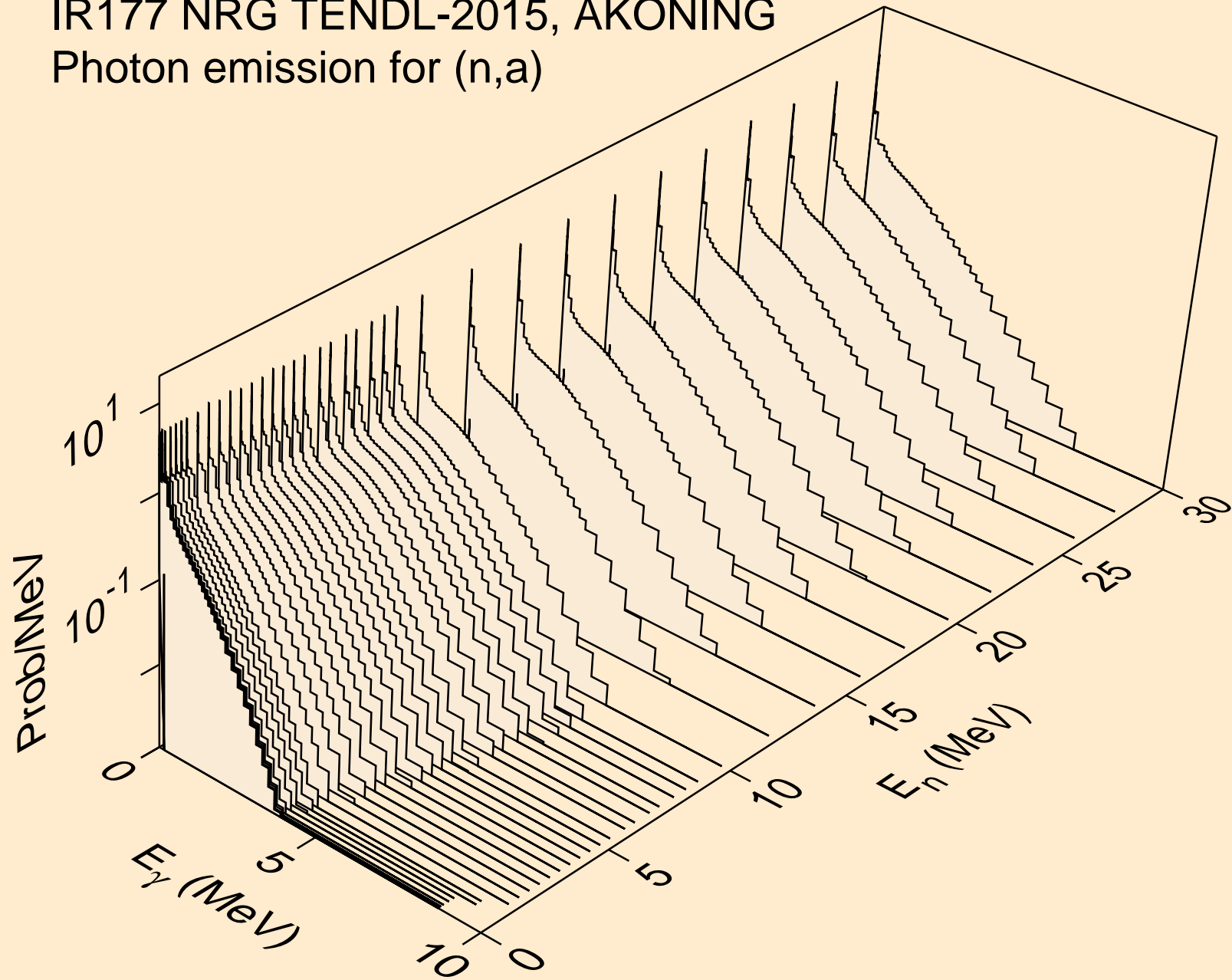
IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



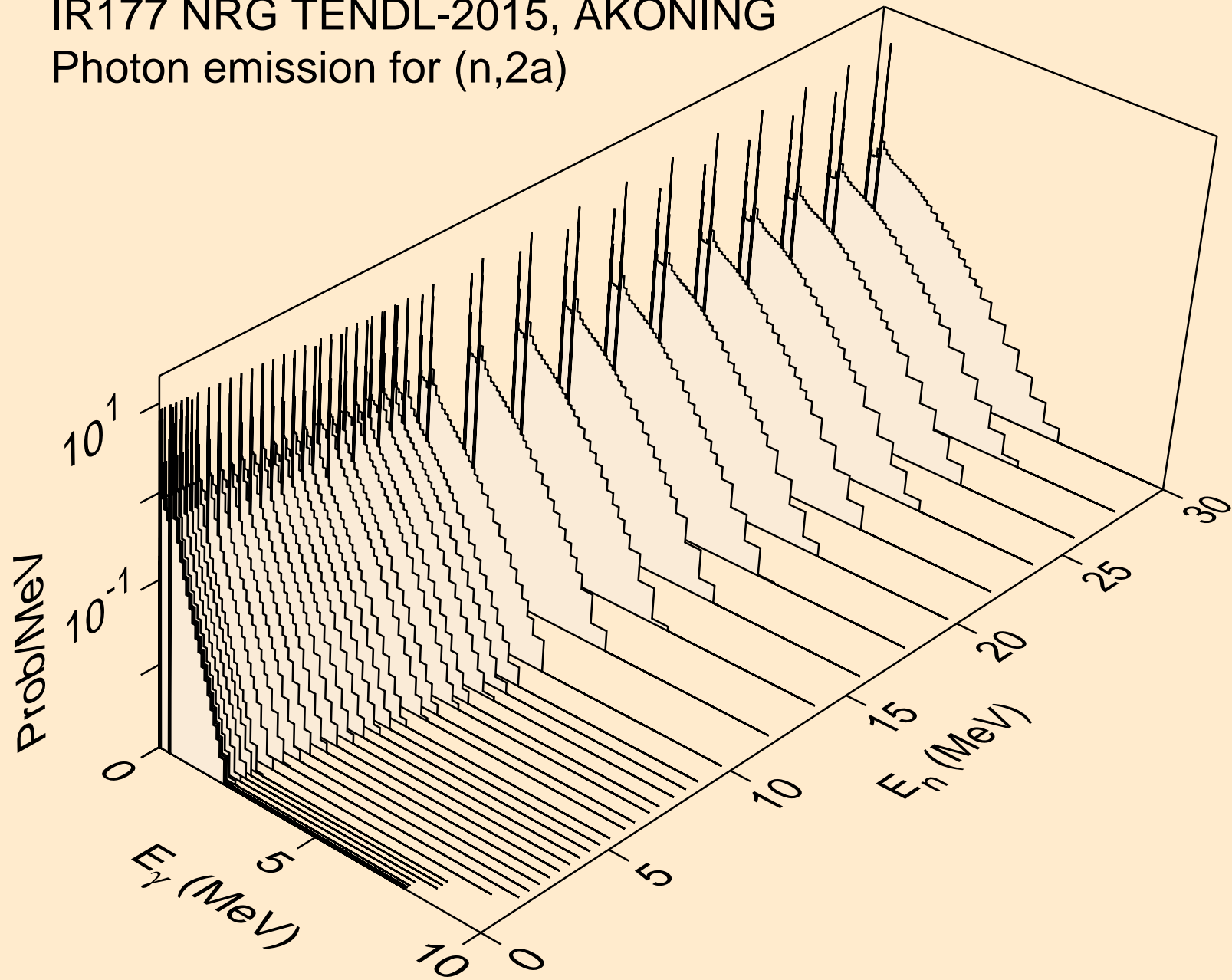
IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



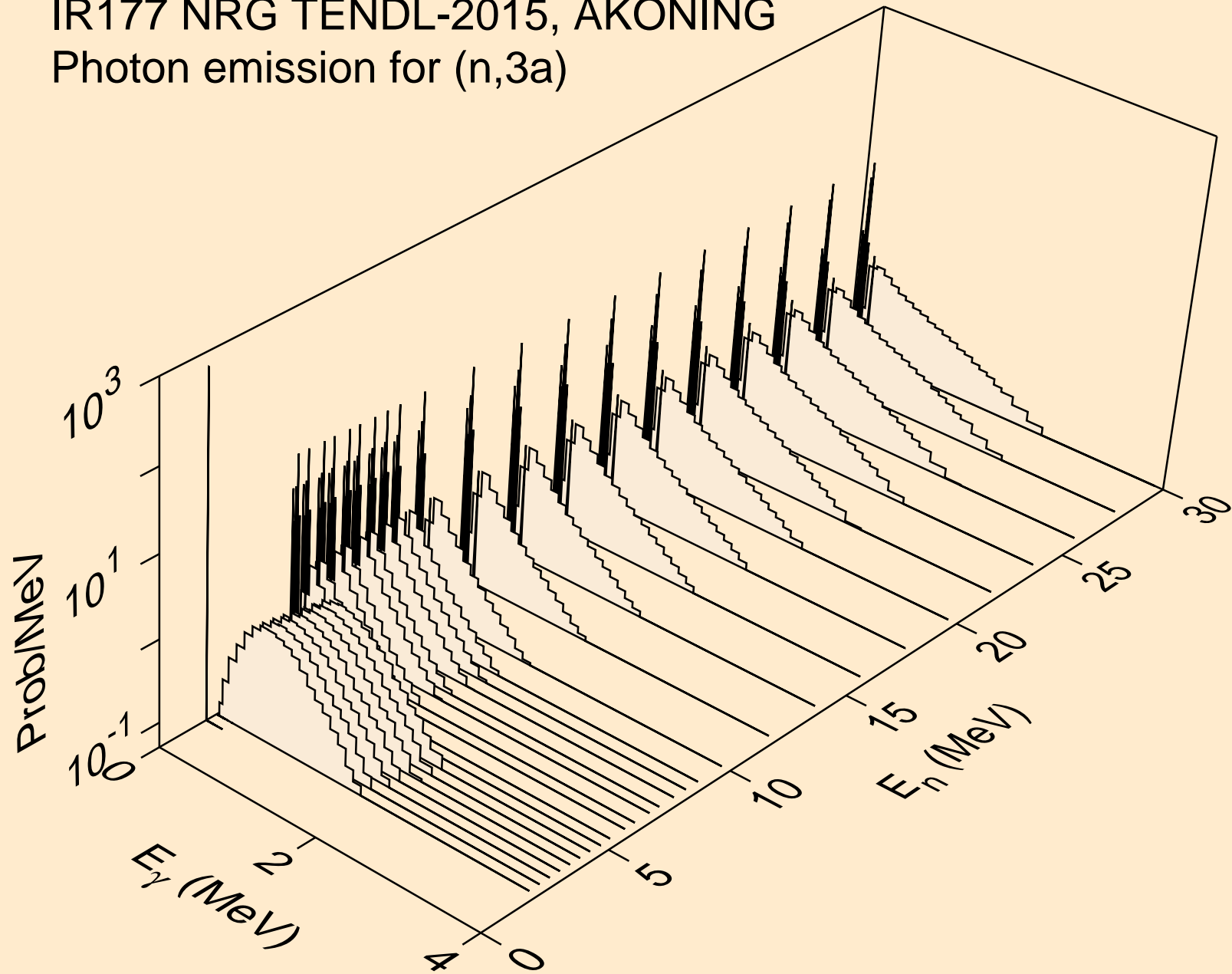
IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



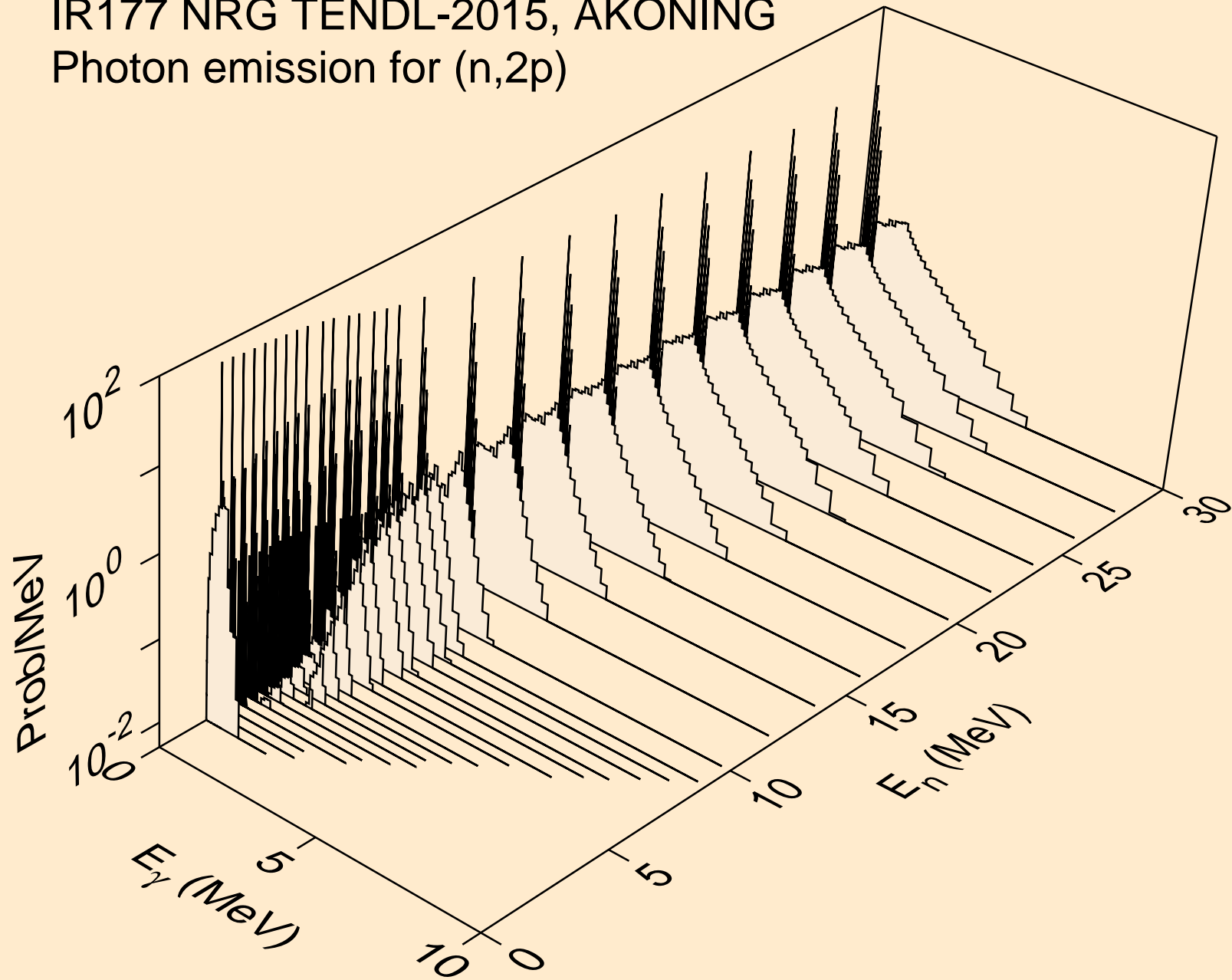
IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



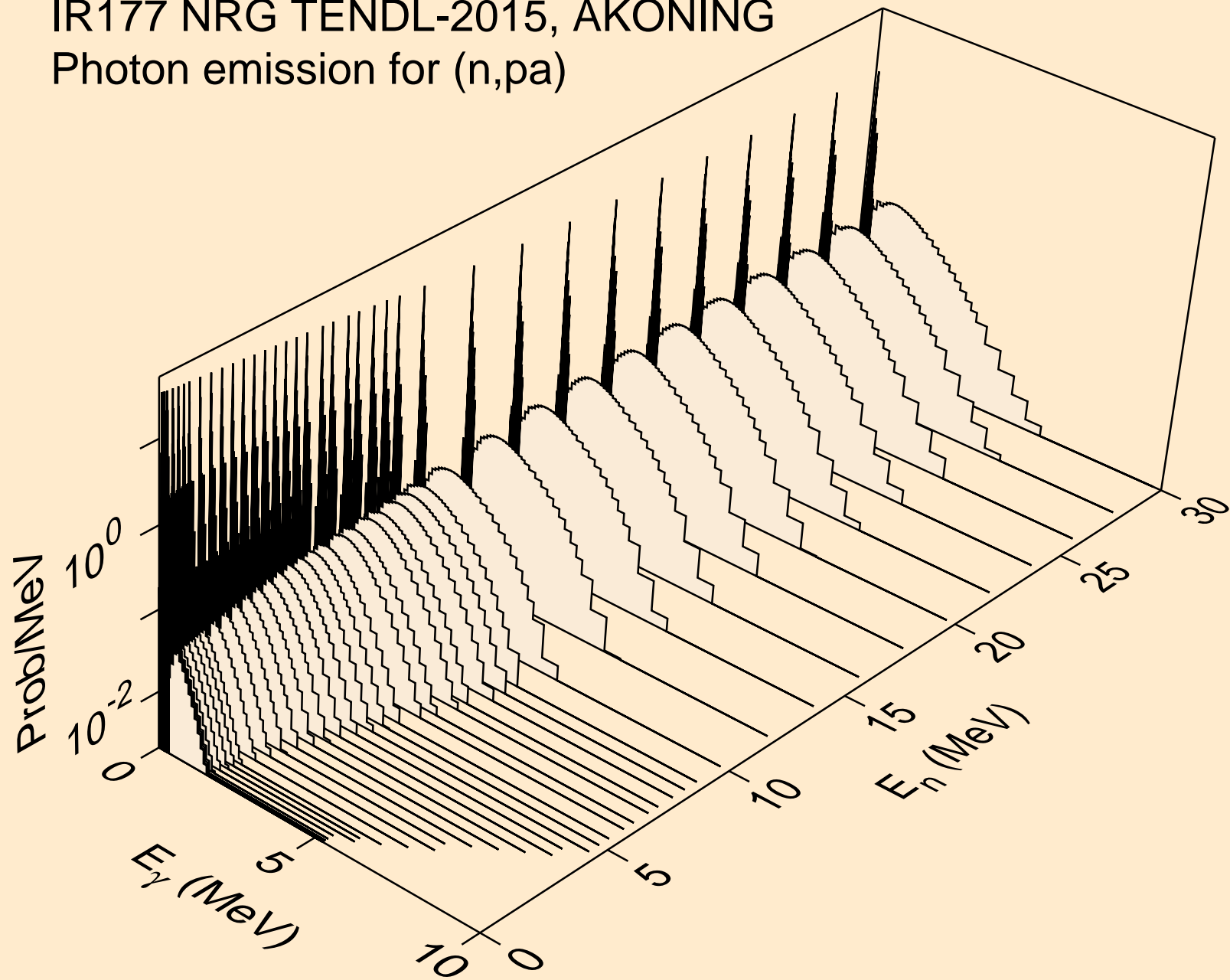
IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,3a)



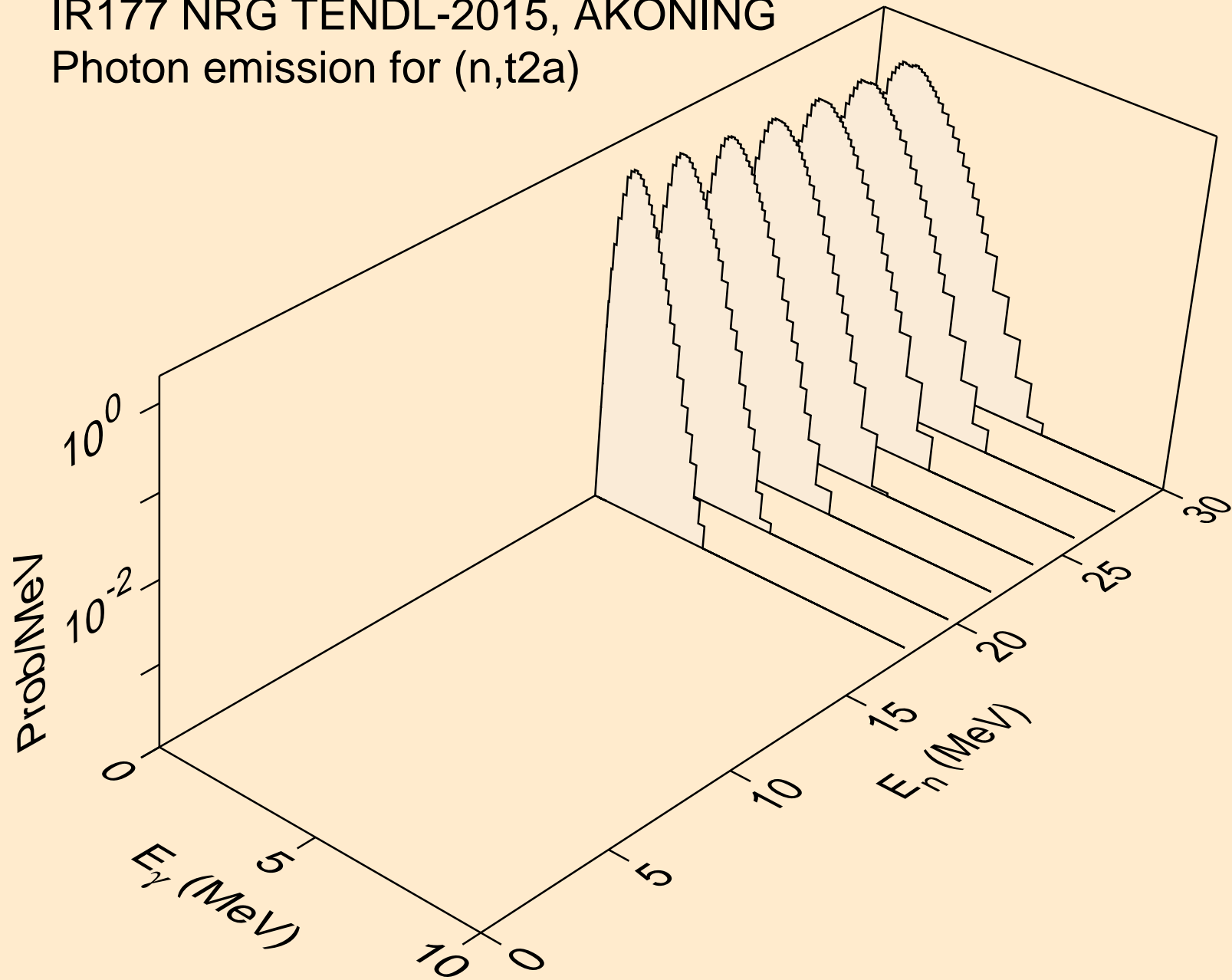
IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,p $\alpha$ )

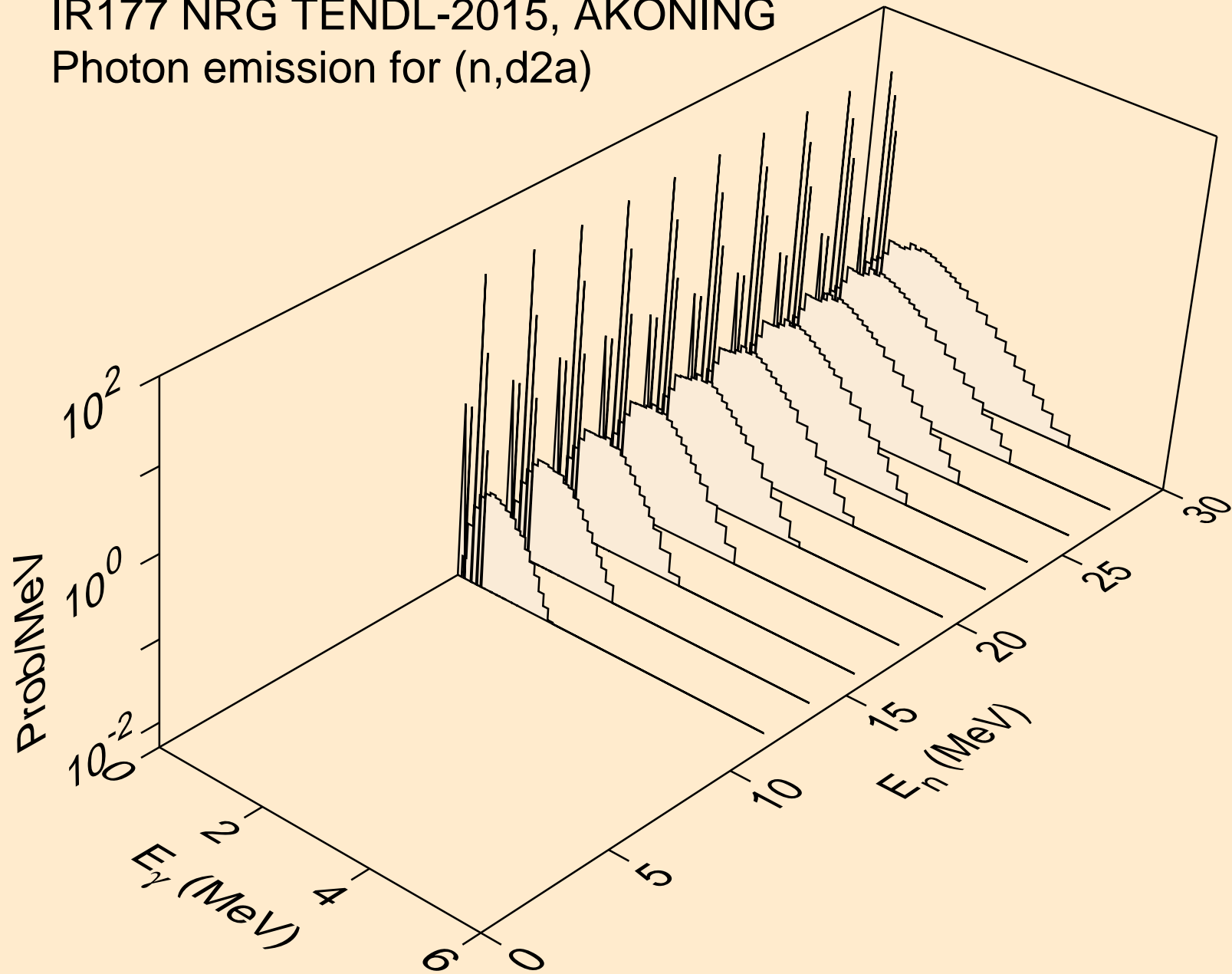


IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,t2a)

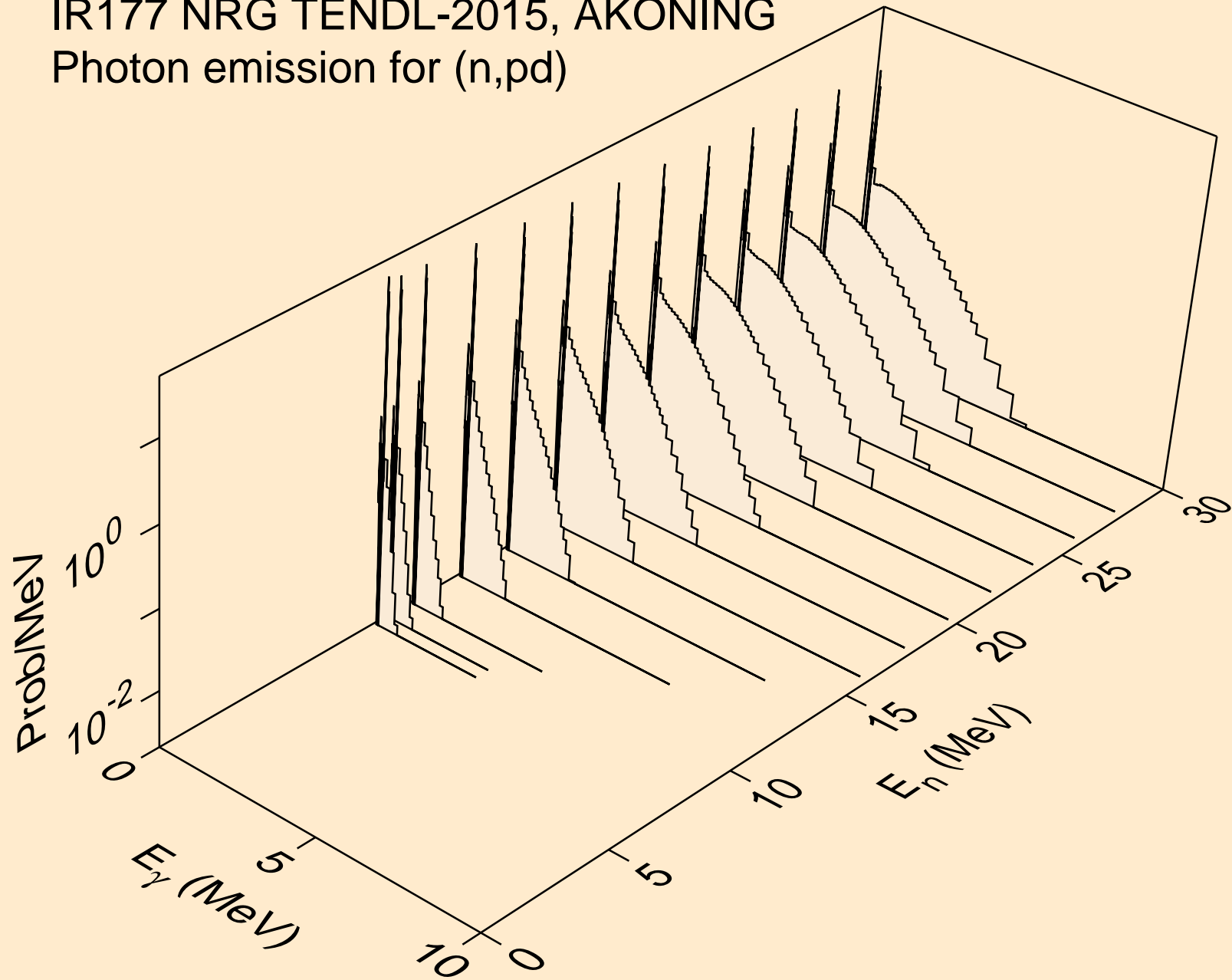




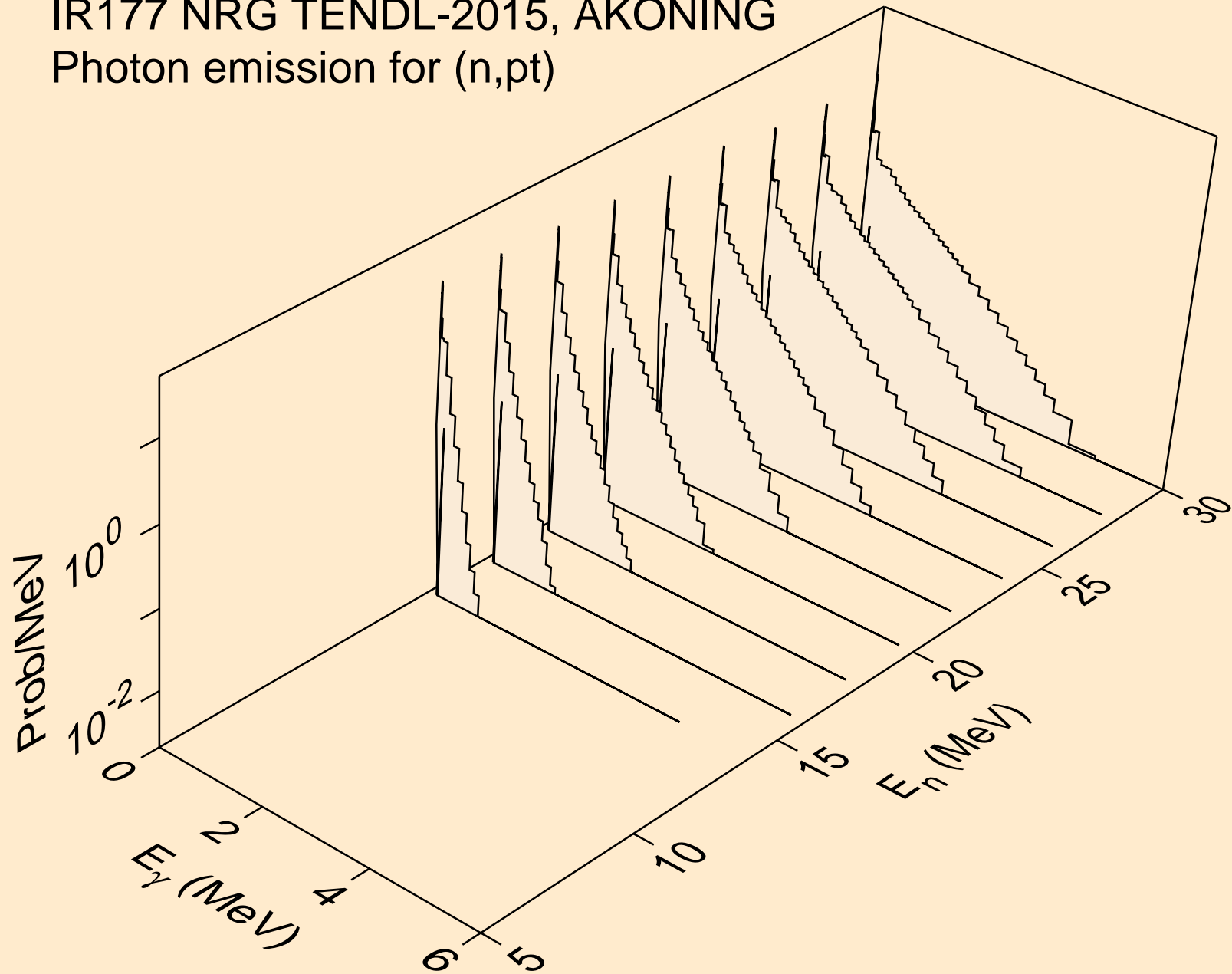
IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,d2a)



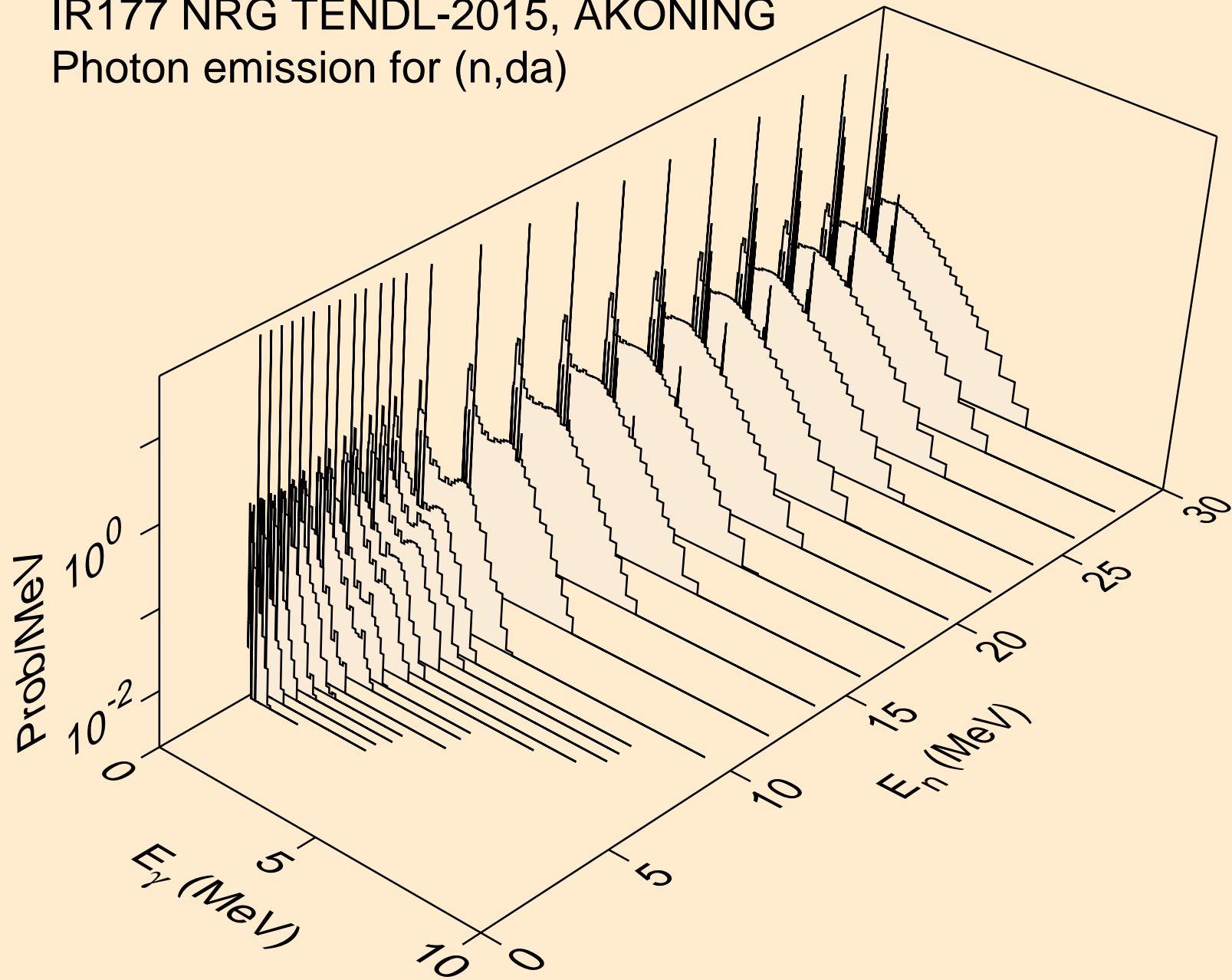
IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



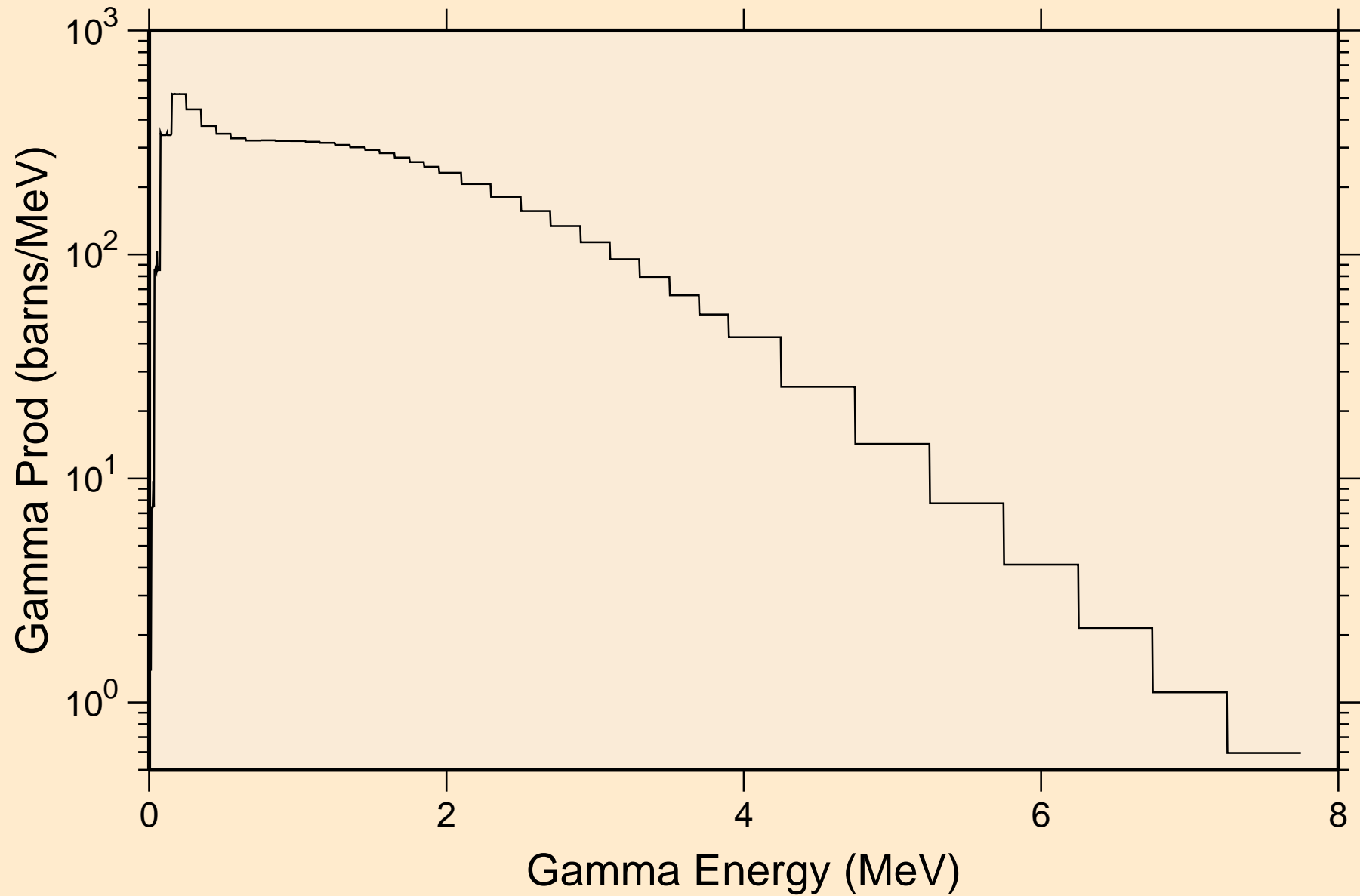
IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



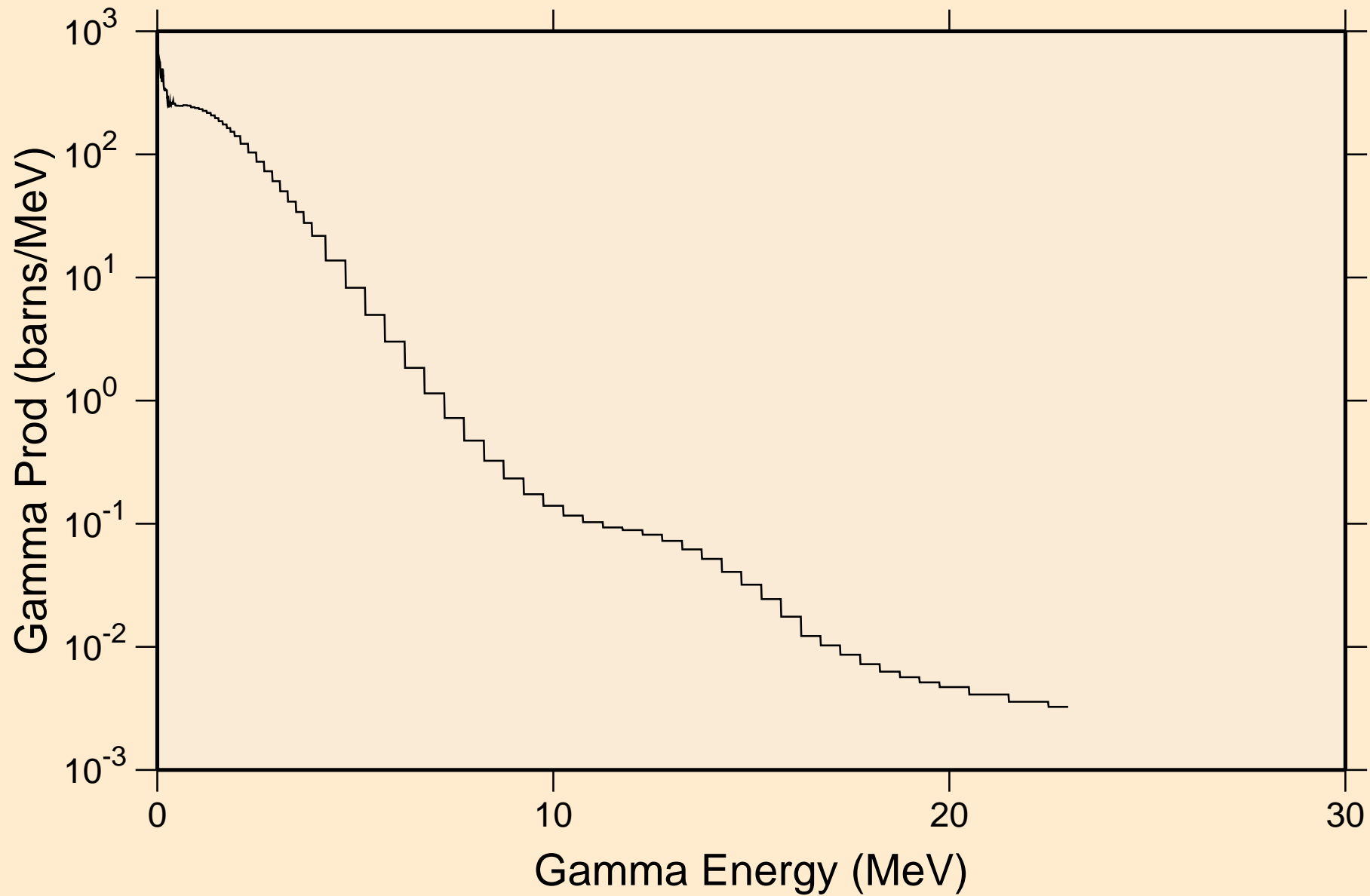
IR177 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



IR177 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

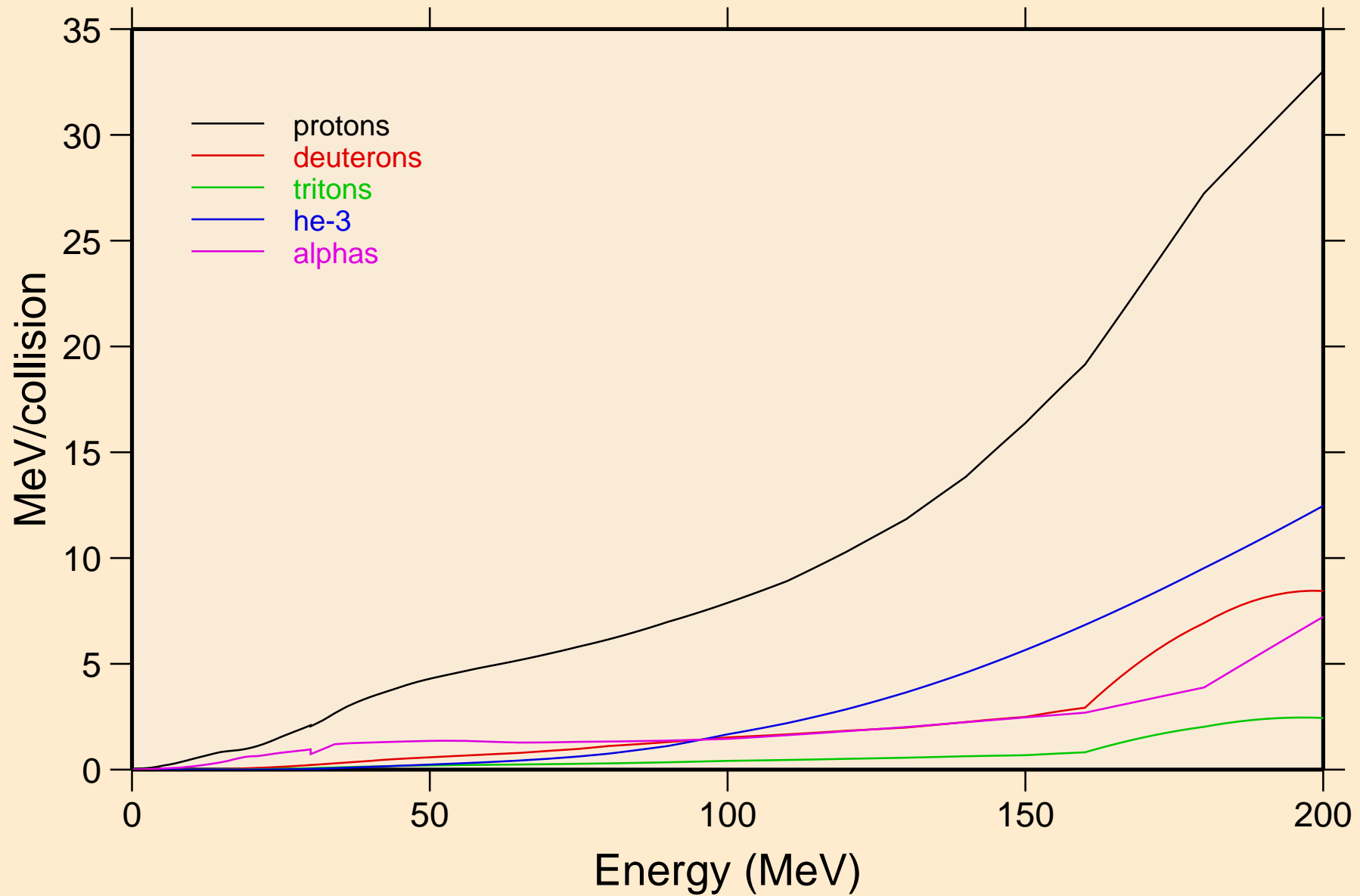


IR177 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



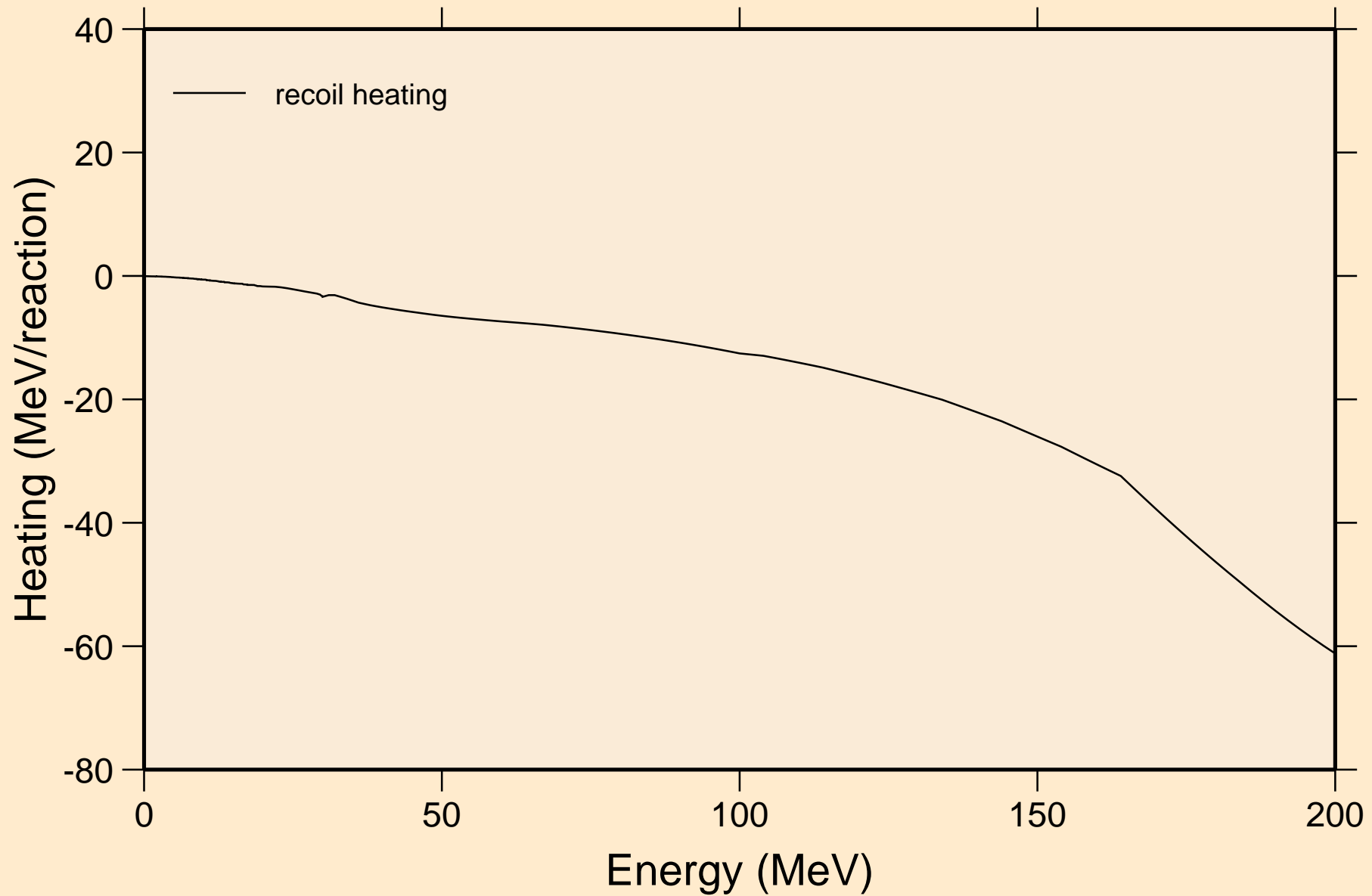
# IR177 NRG TENDL-2015, AKONING

## Particle heating contributions



# IR177 NRG TENDL-2015, AKONING

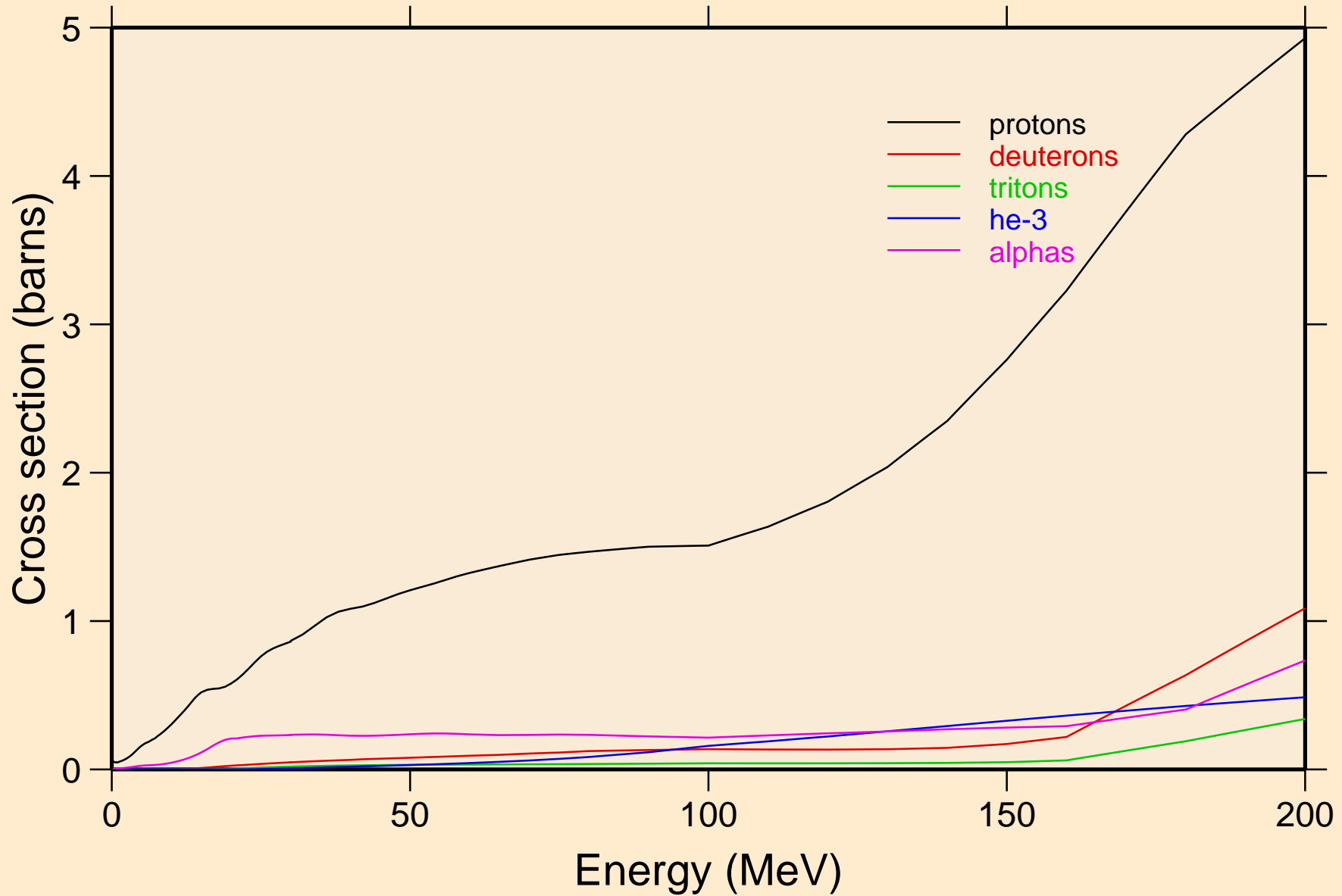
## Recoil Heating



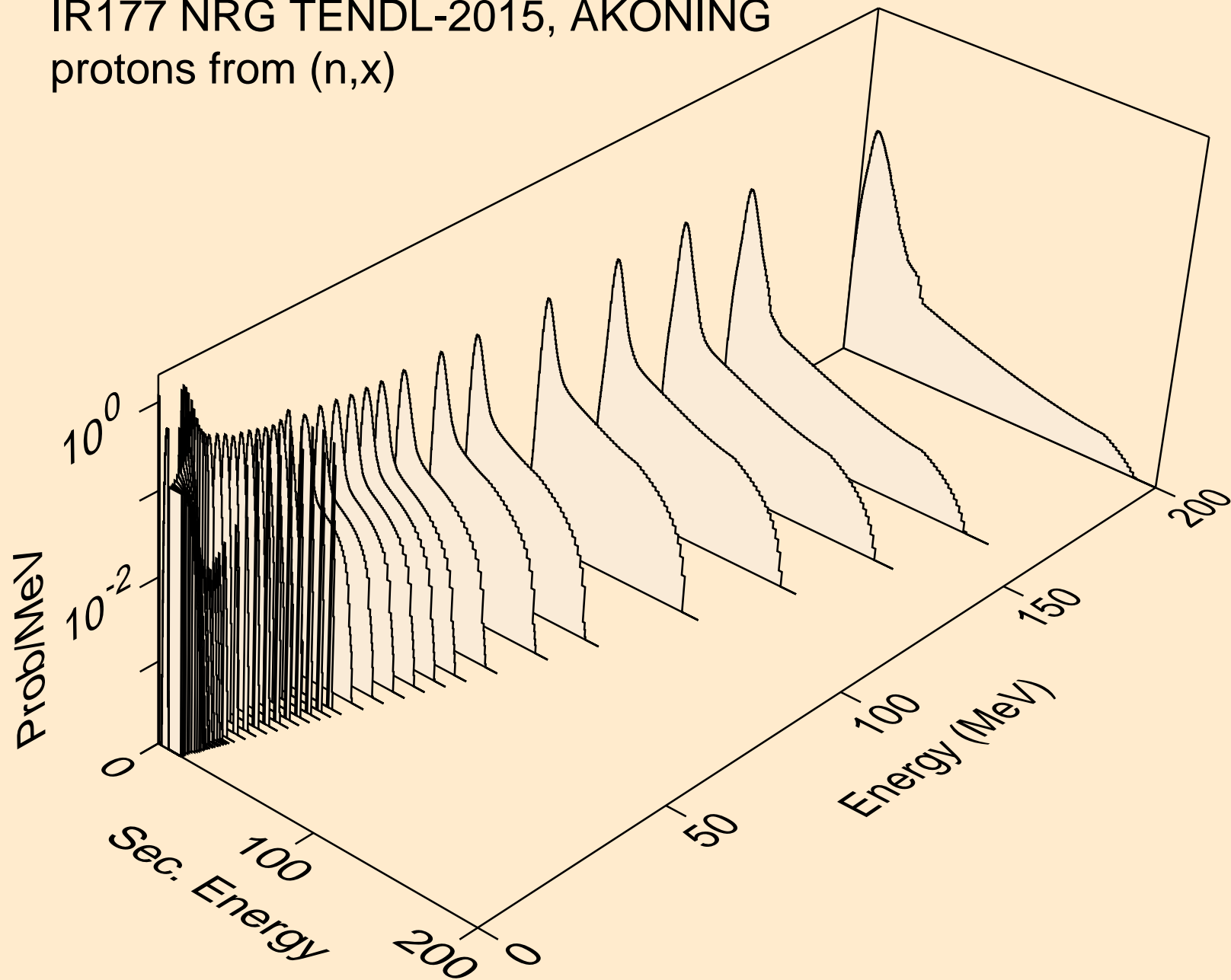


# IR177 NRG TENDL-2015, AKONING

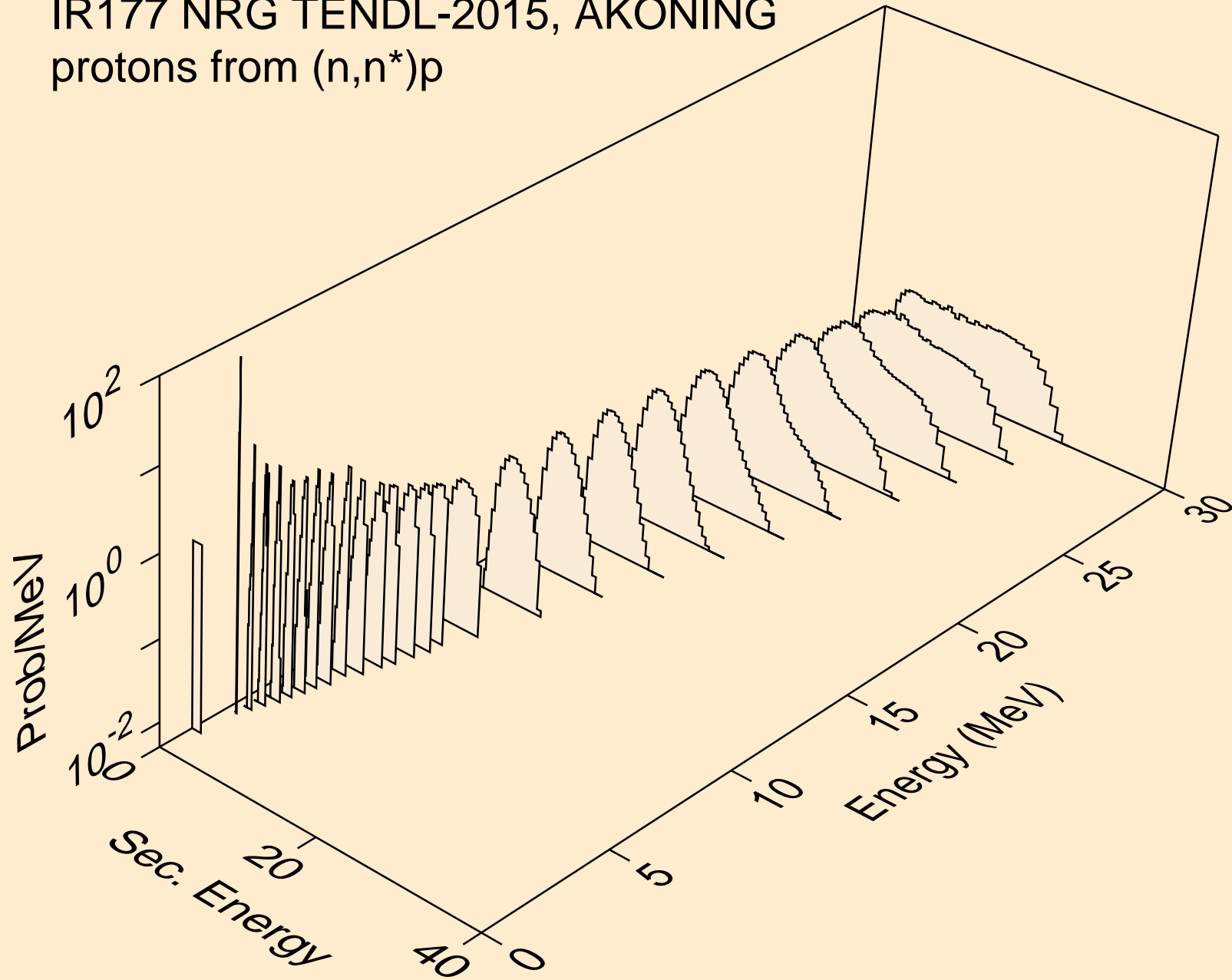
## Particle production cross sections



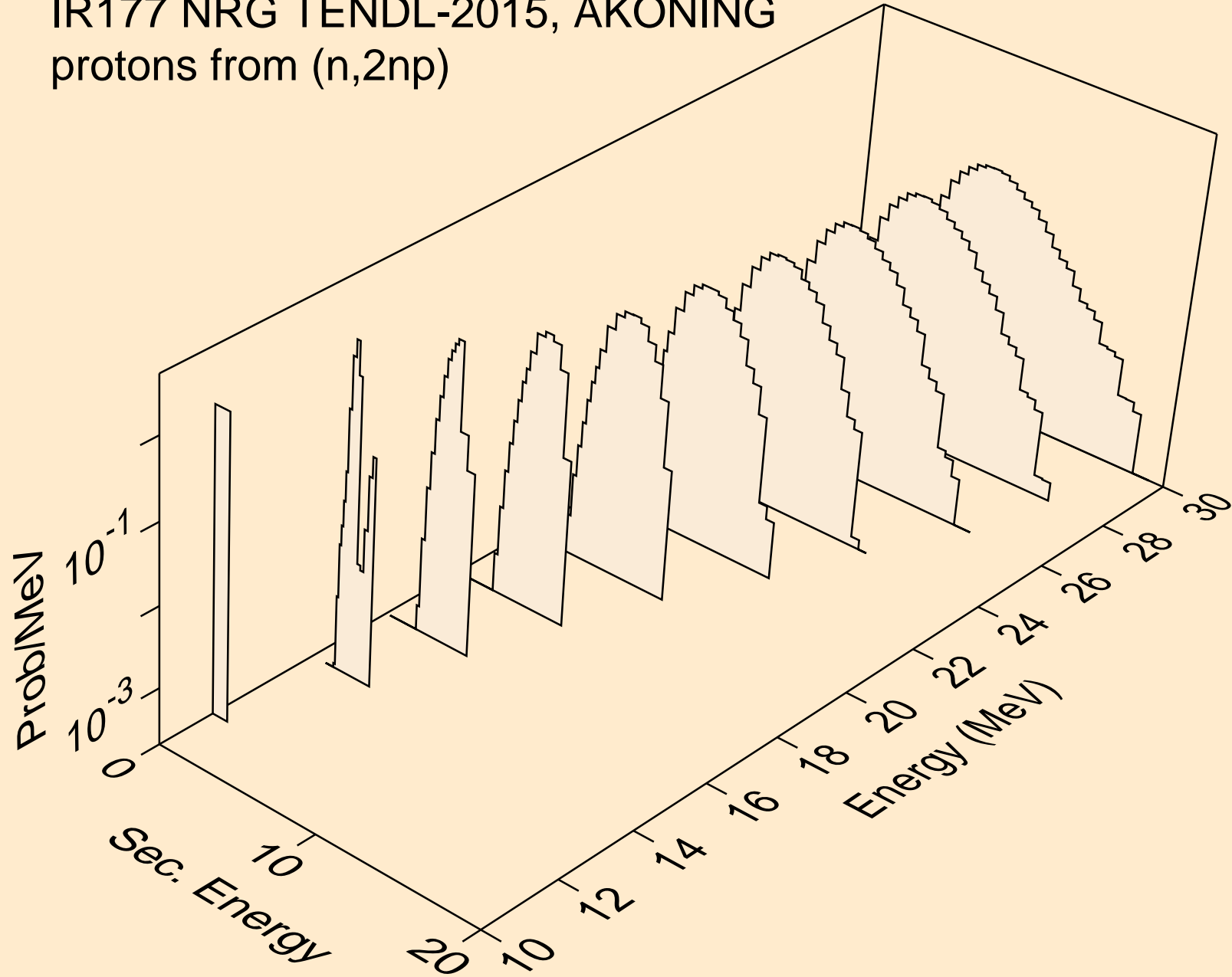
IR177 NRG TENDL-2015, AKONING  
protons from (n,x)



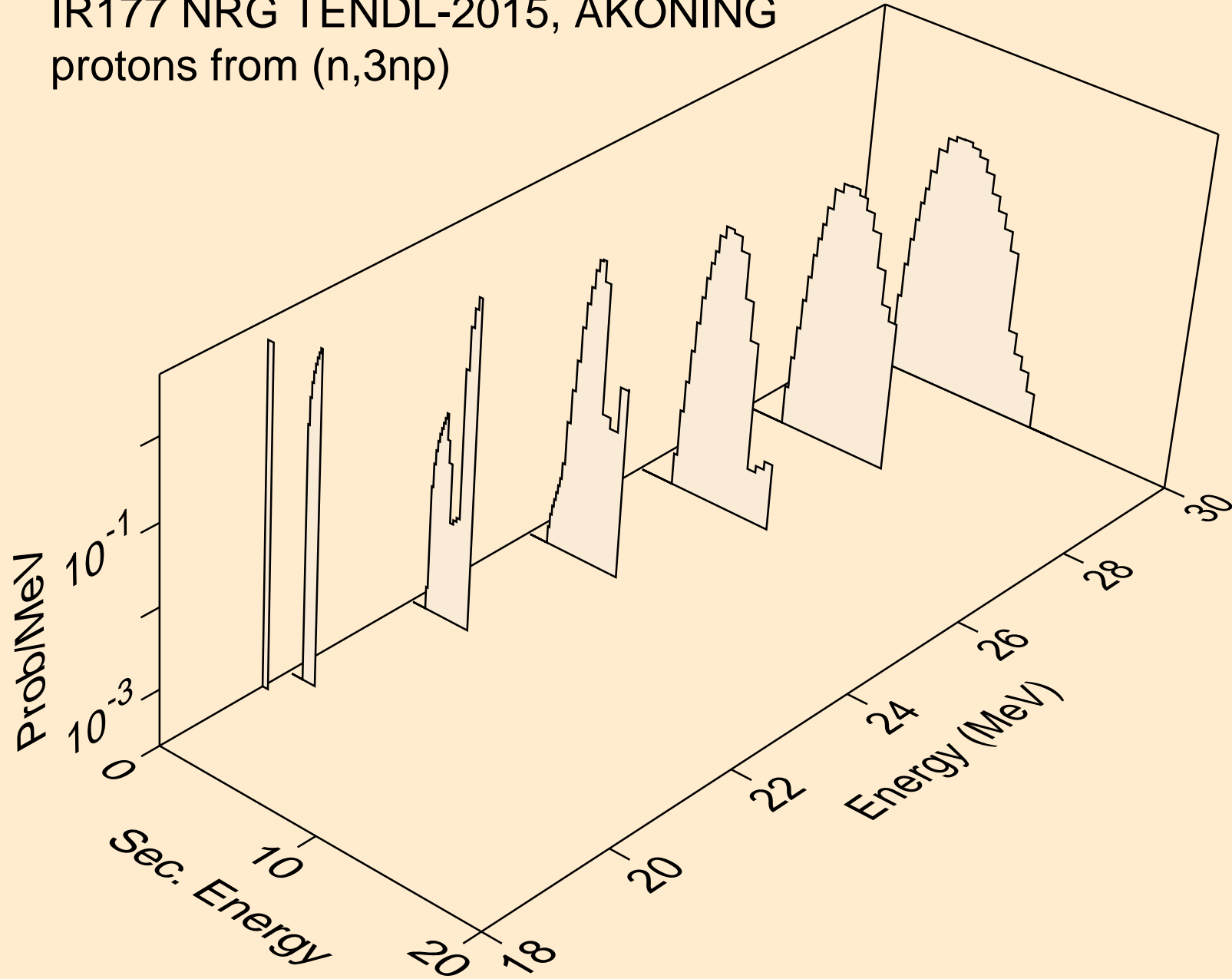
IR177 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



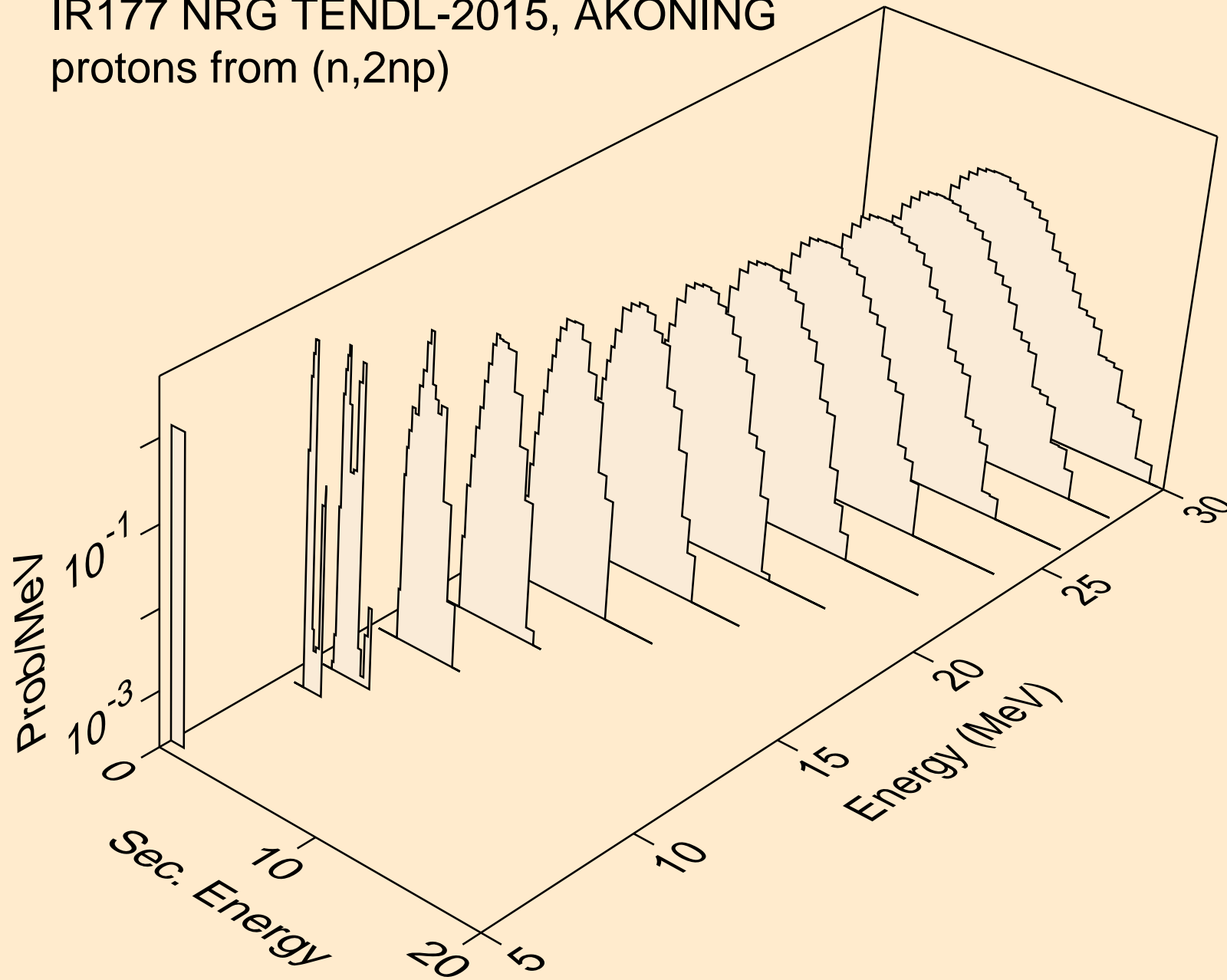
IR177 NRG TENDL-2015, AKONING  
protons from (n,2np)



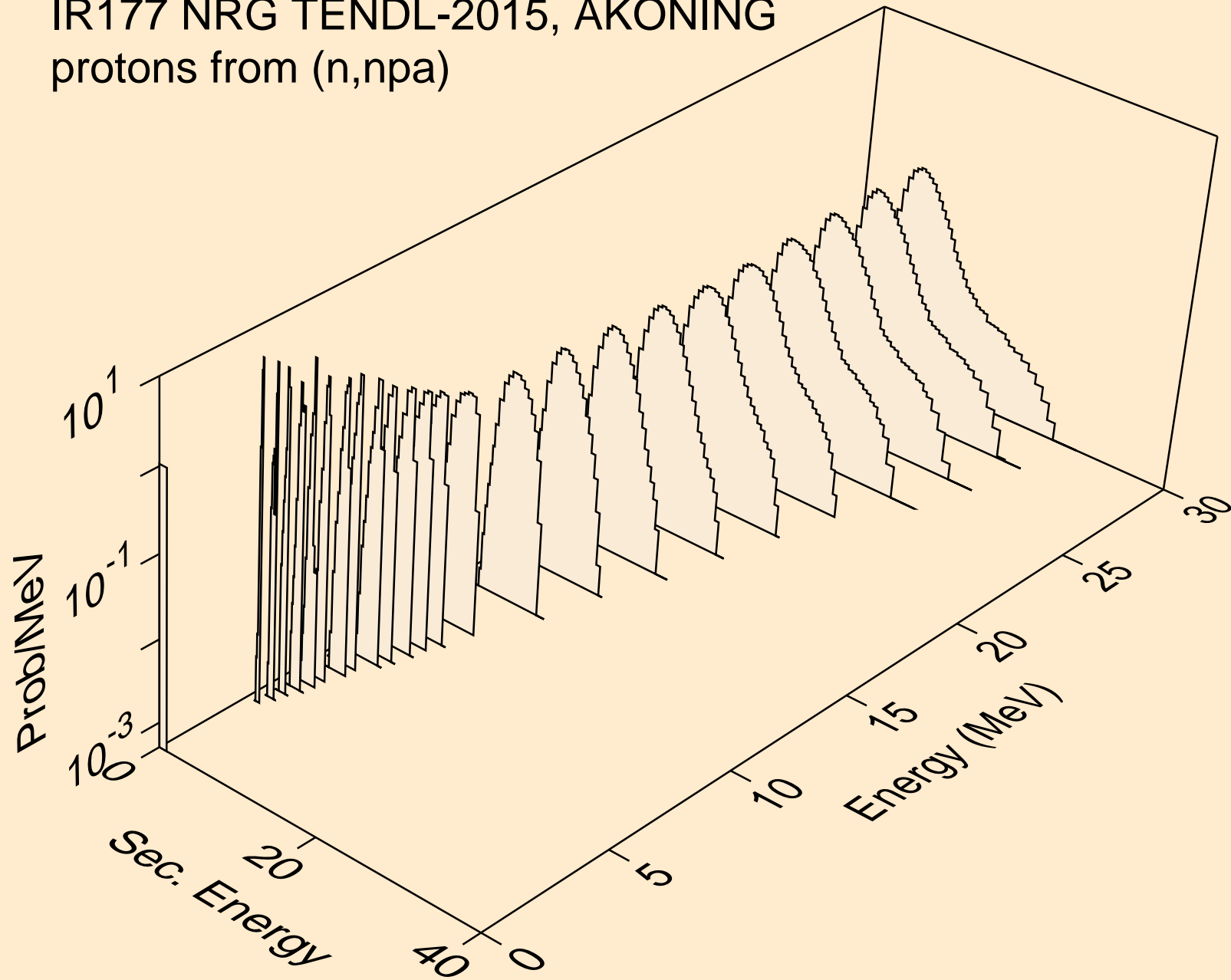
IR177 NRG TENDL-2015, AKONING  
protons from (n,3np)



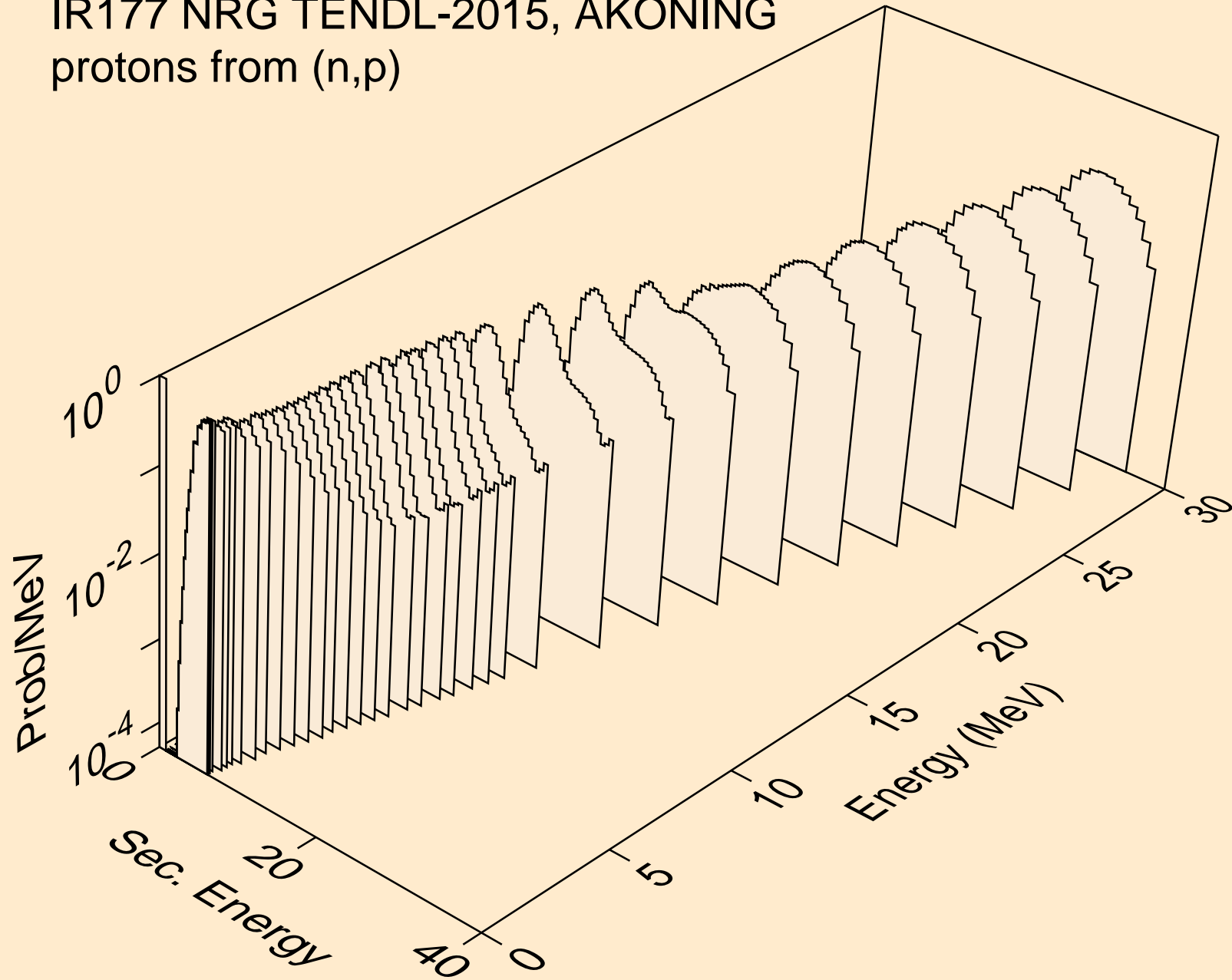
IR177 NRG TENDL-2015, AKONING  
protons from (n,2np)



IR177 NRG TENDL-2015, AKONING  
protons from (n,npa)

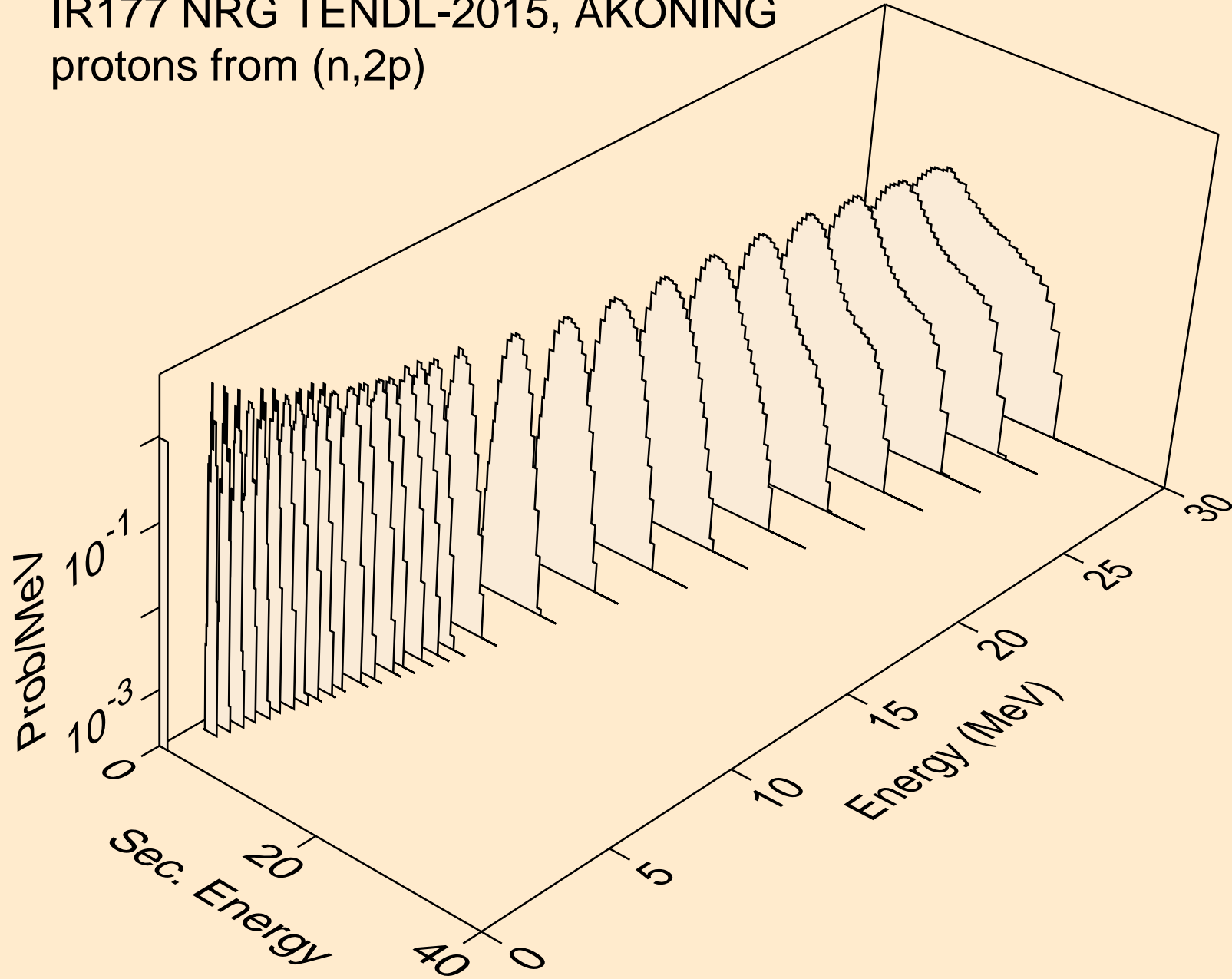


IR177 NRG TENDL-2015, AKONING  
protons from (n,p)

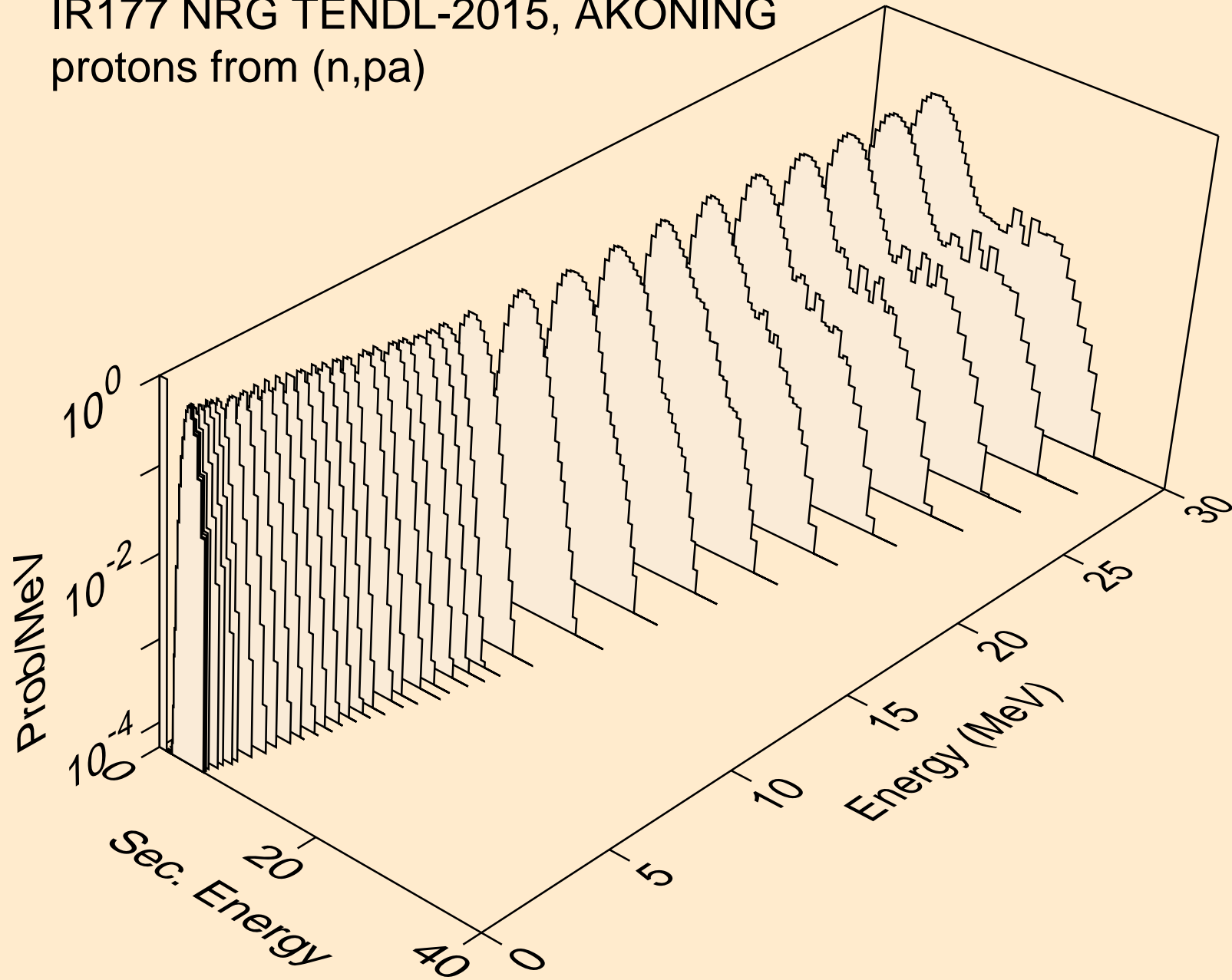




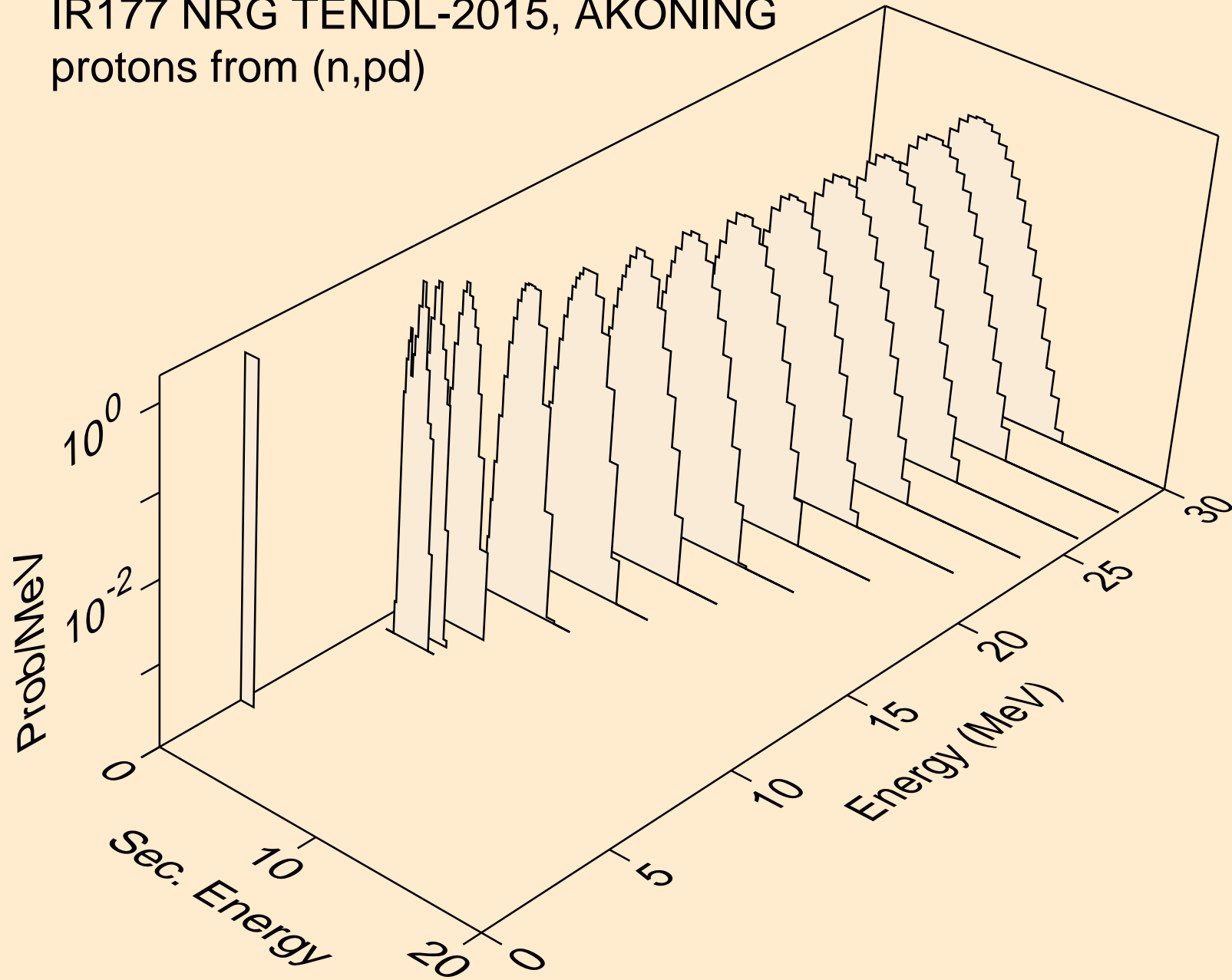
IR177 NRG TENDL-2015, AKONING  
protons from (n,2p)



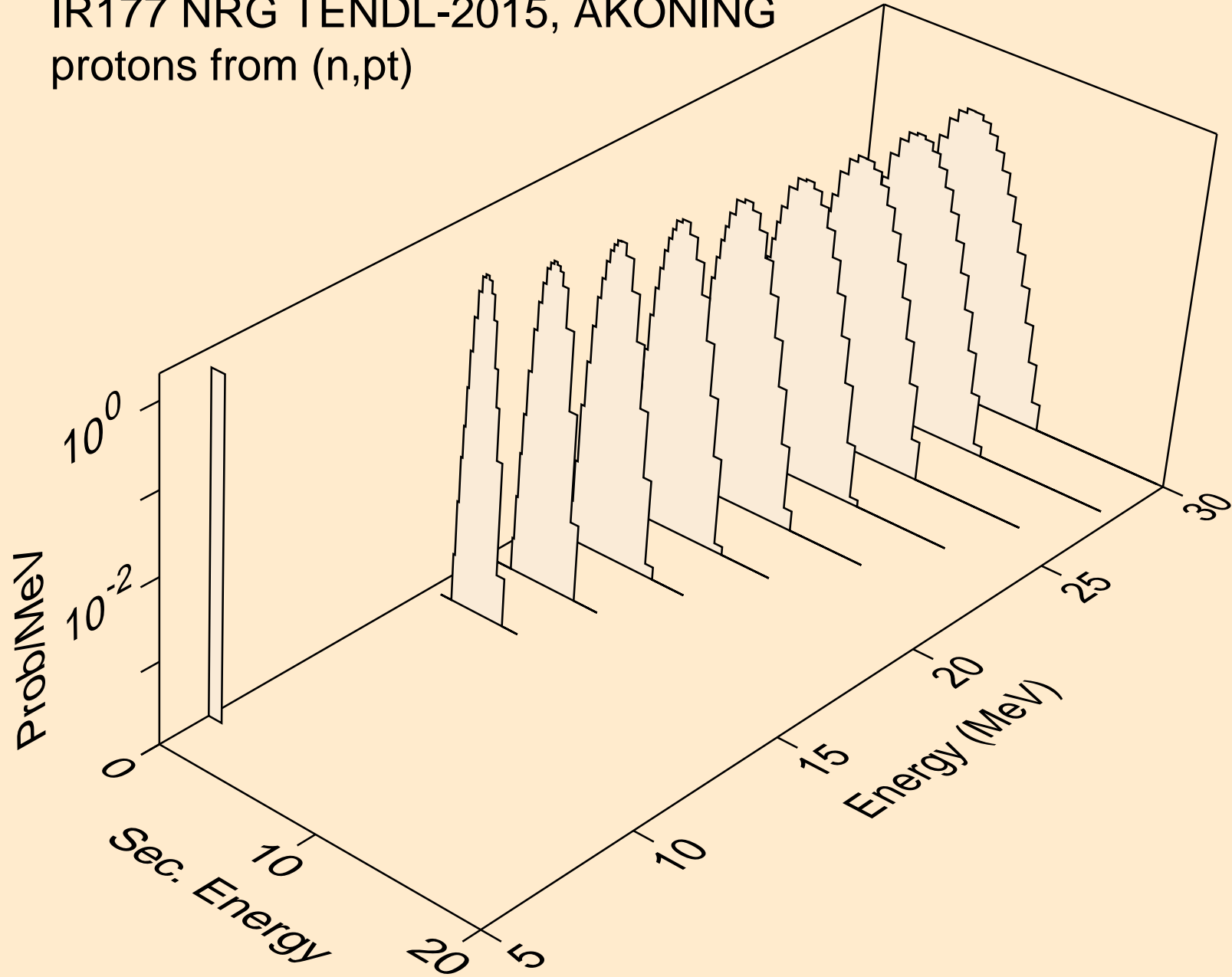
IR177 NRG TENDL-2015, AKONING  
protons from (n,pa)



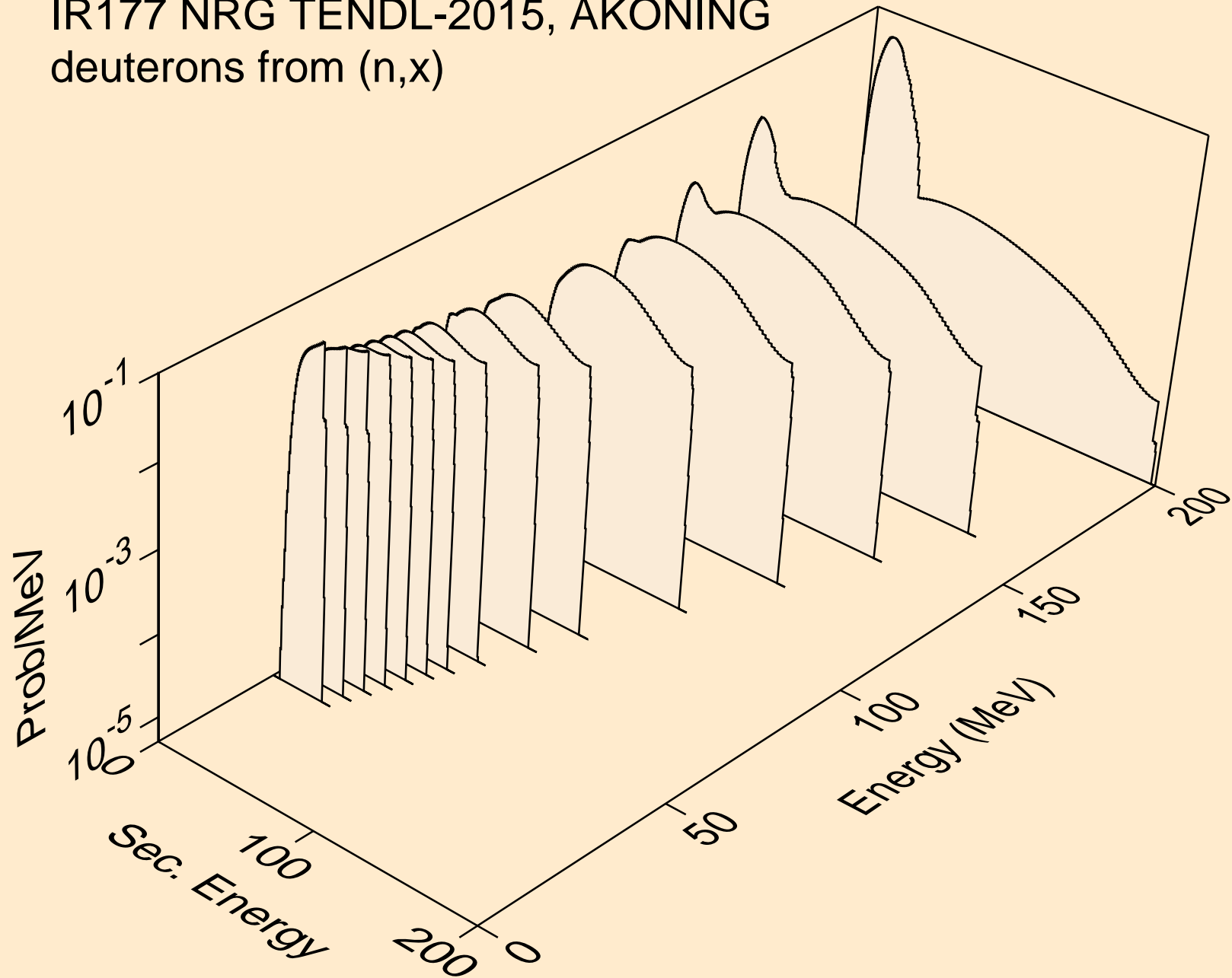
IR177 NRG TENDL-2015, AKONING  
protons from (n,pd)



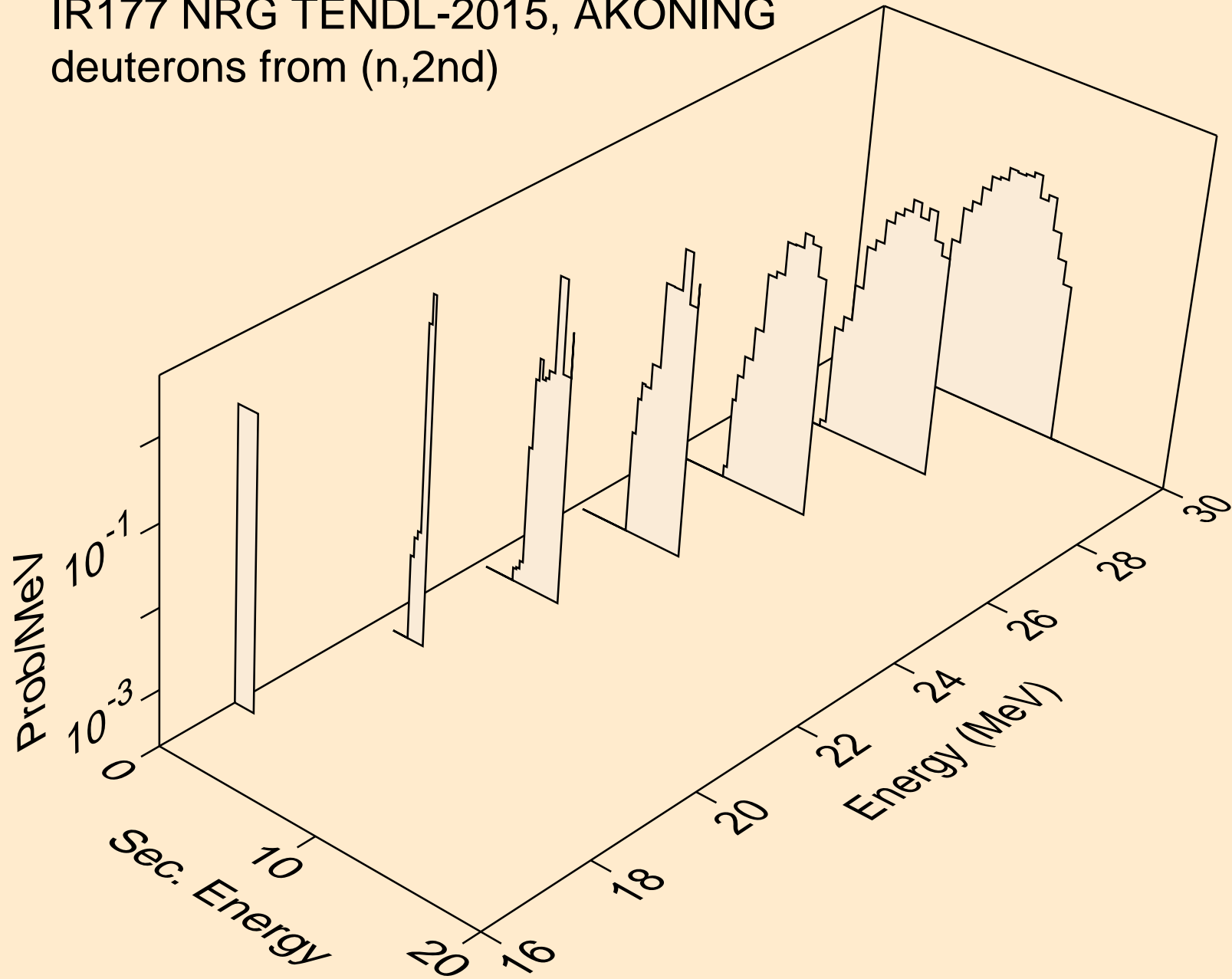
IR177 NRG TENDL-2015, AKONING  
protons from (n,pt)



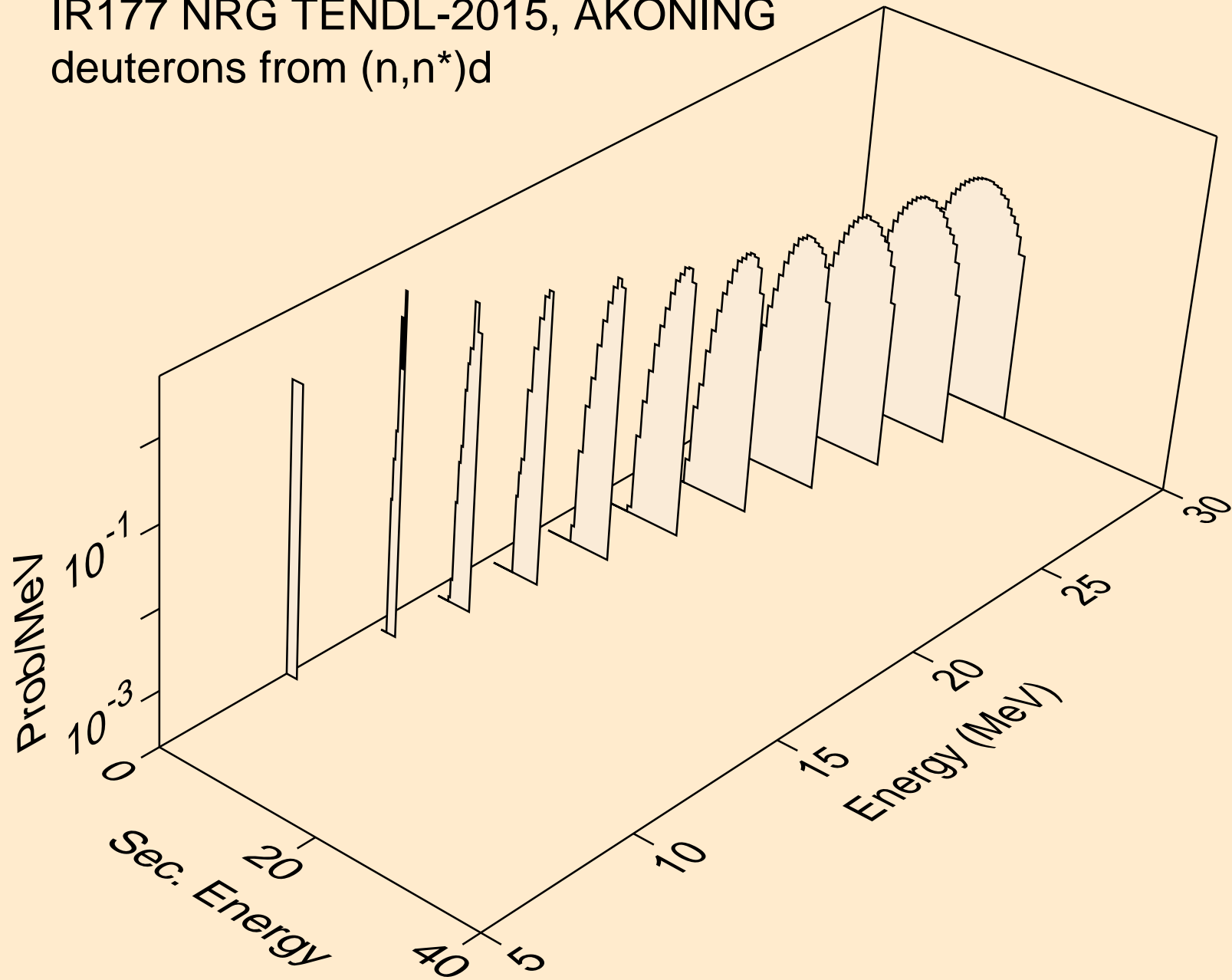
IR177 NRG TENDL-2015, AKONING  
deuterons from (n,x)



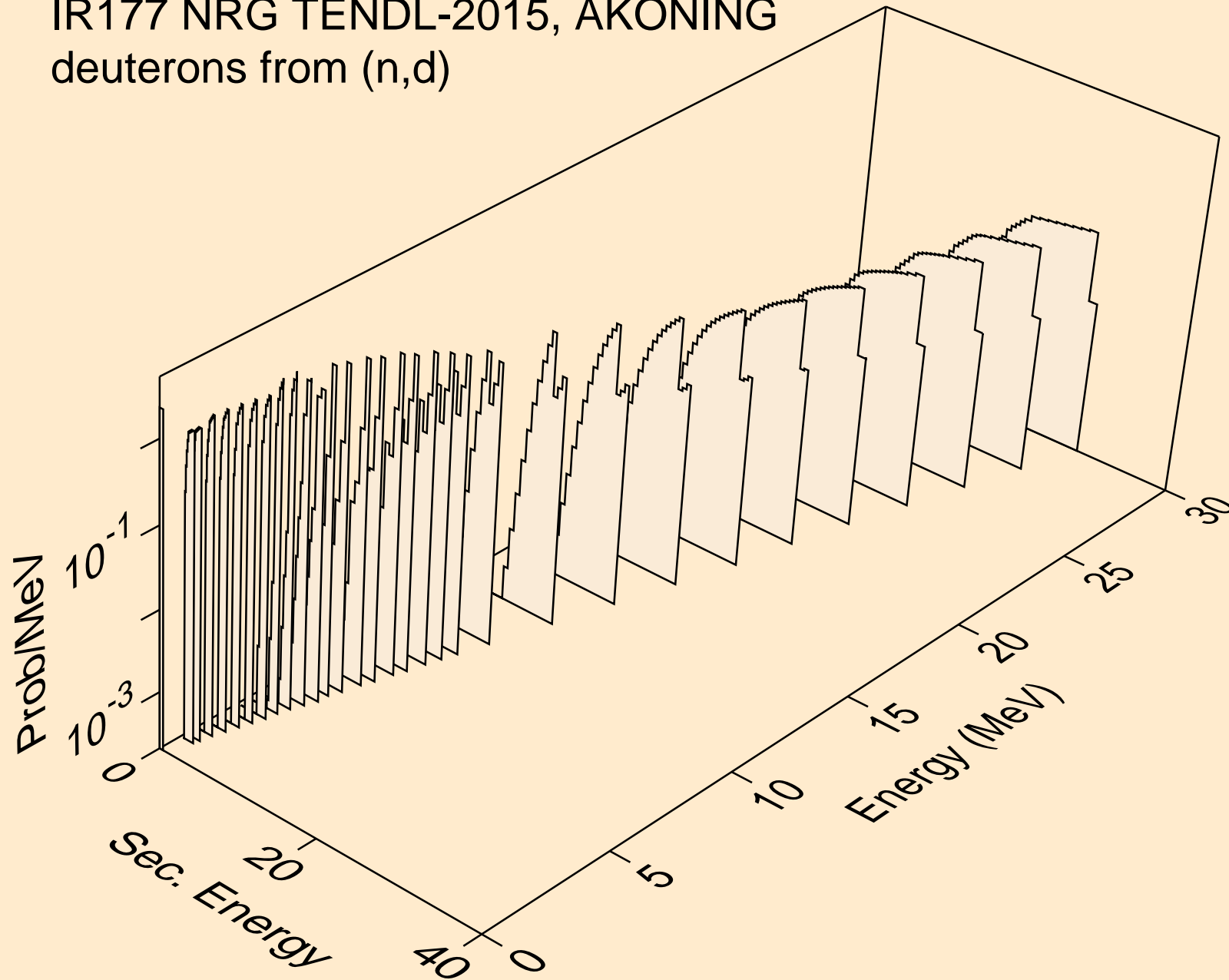
IR177 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



IR177 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d

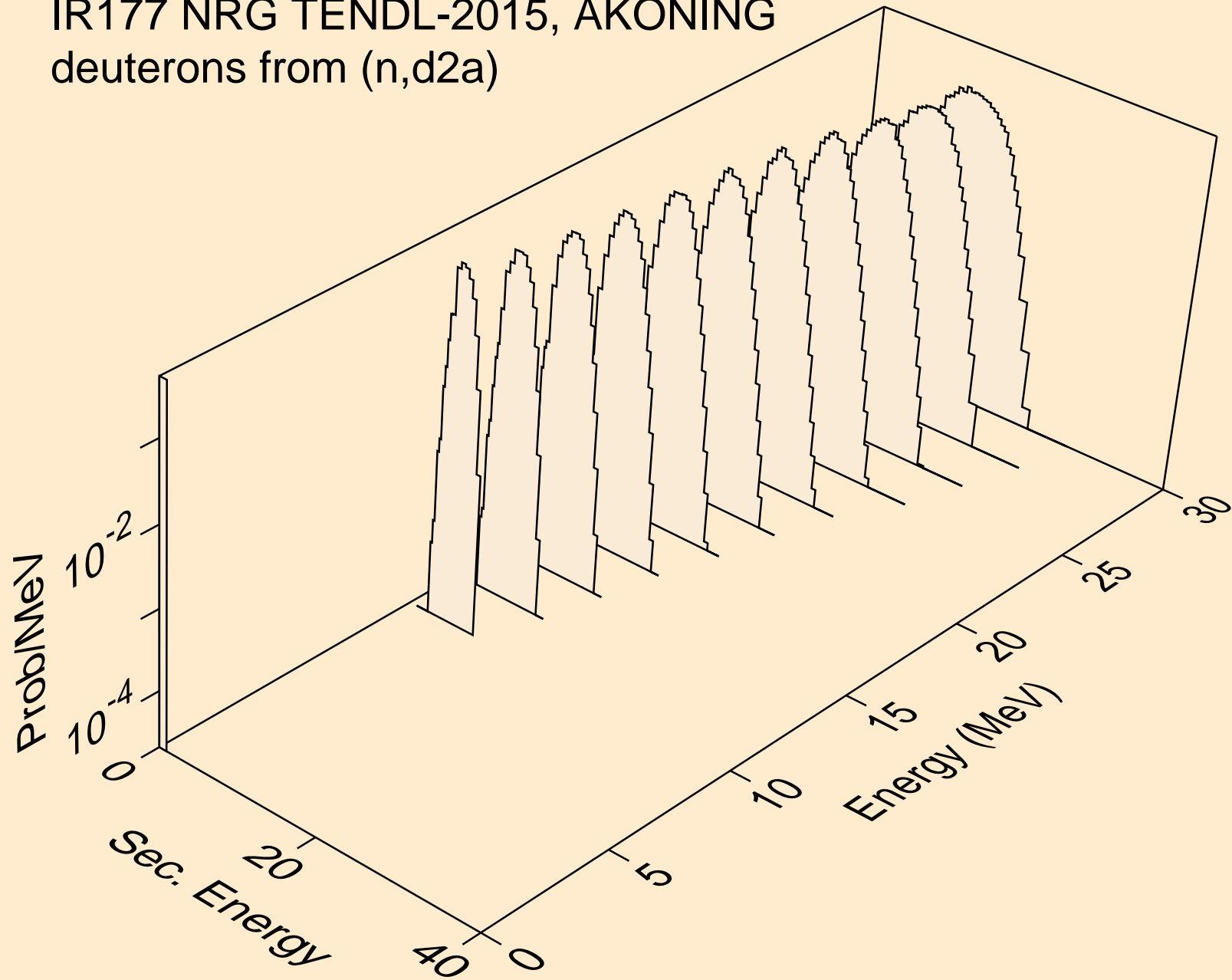


IR177 NRG TENDL-2015, AKONING  
deuterons from (n,d)

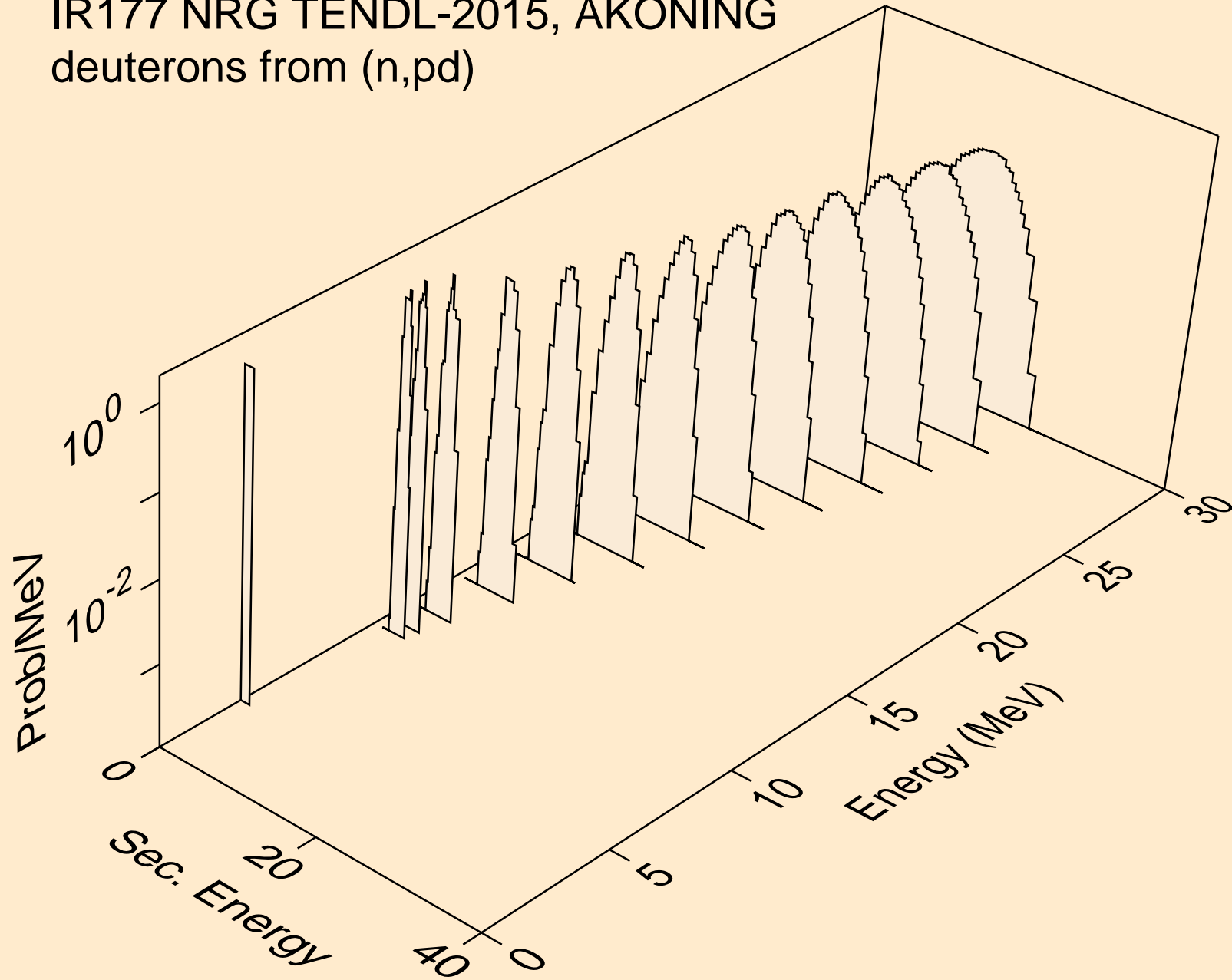




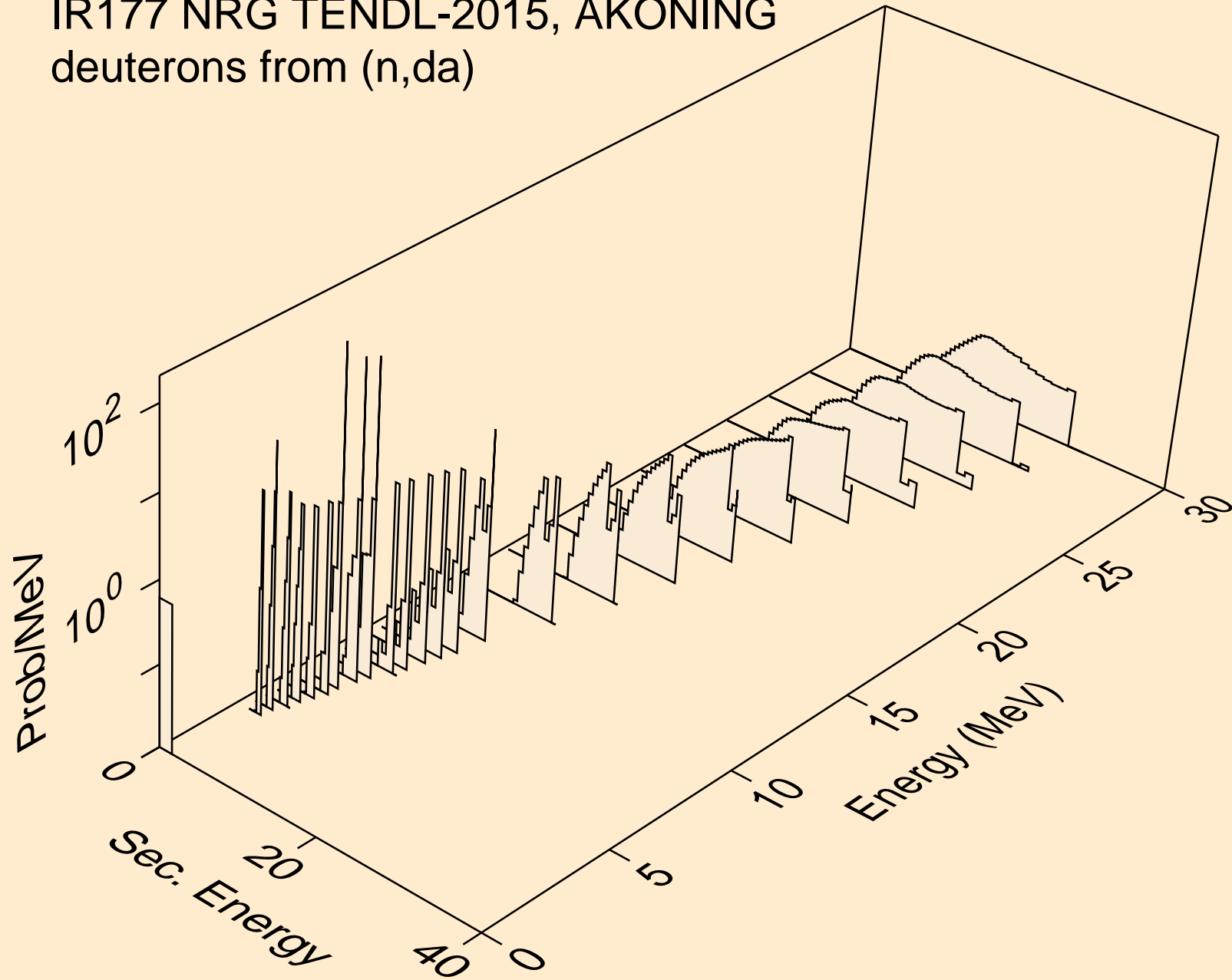
IR177 NRG TENDL-2015, AKONING  
deuterons from (n,d2a)



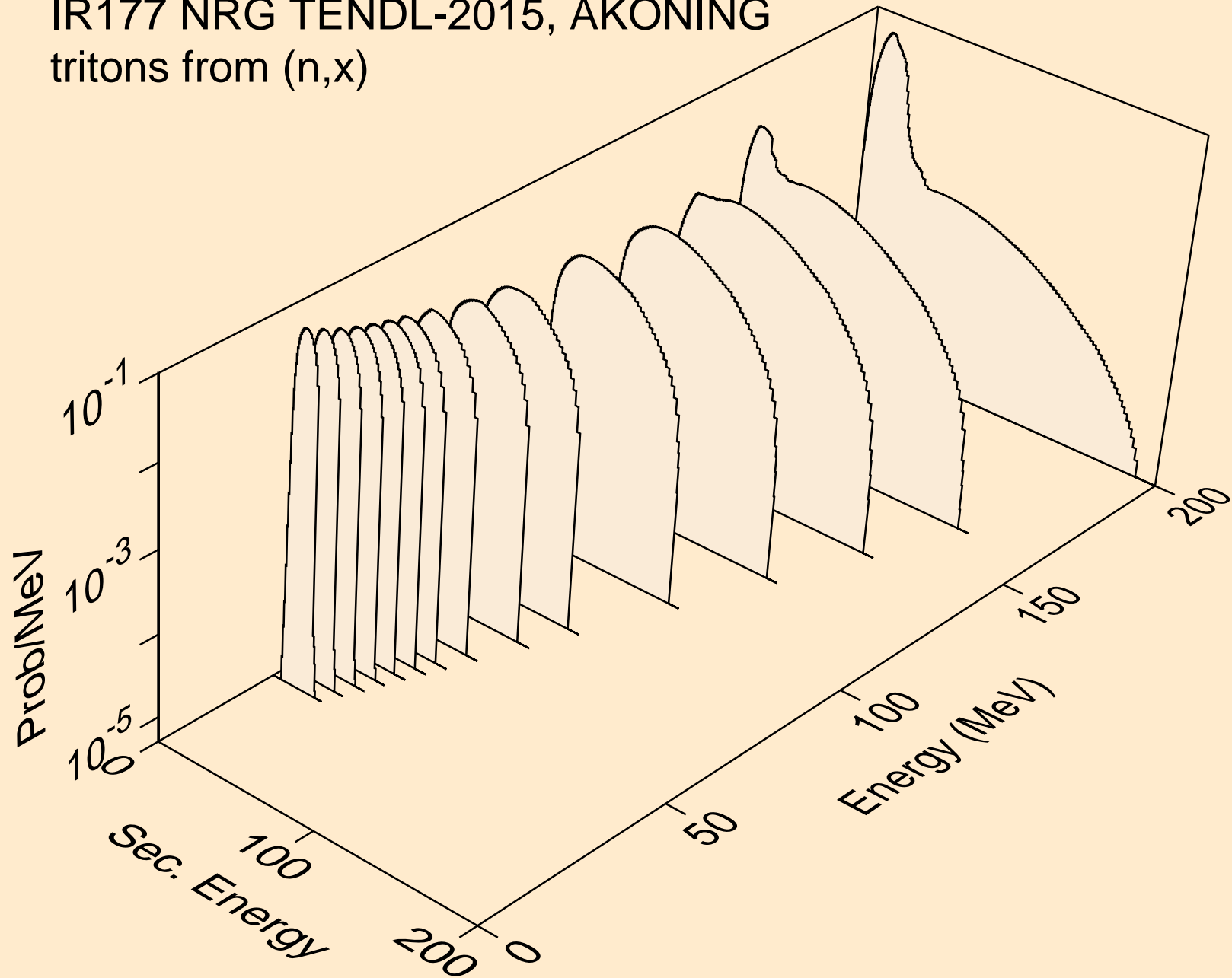
IR177 NRG TENDL-2015, AKONING  
deuterons from (n,pd)



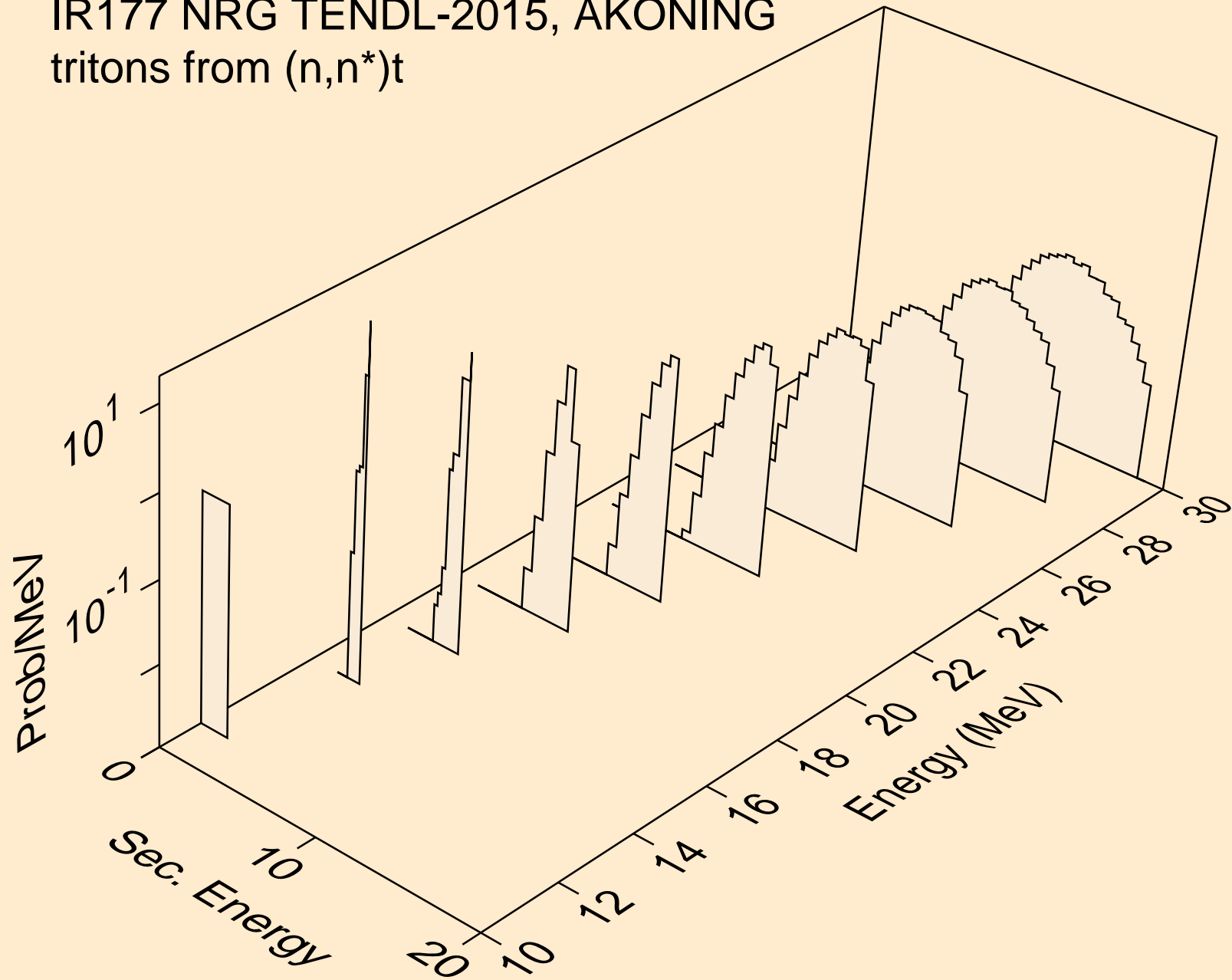
IR177 NRG TENDL-2015, AKONING  
deuterons from (n,da)



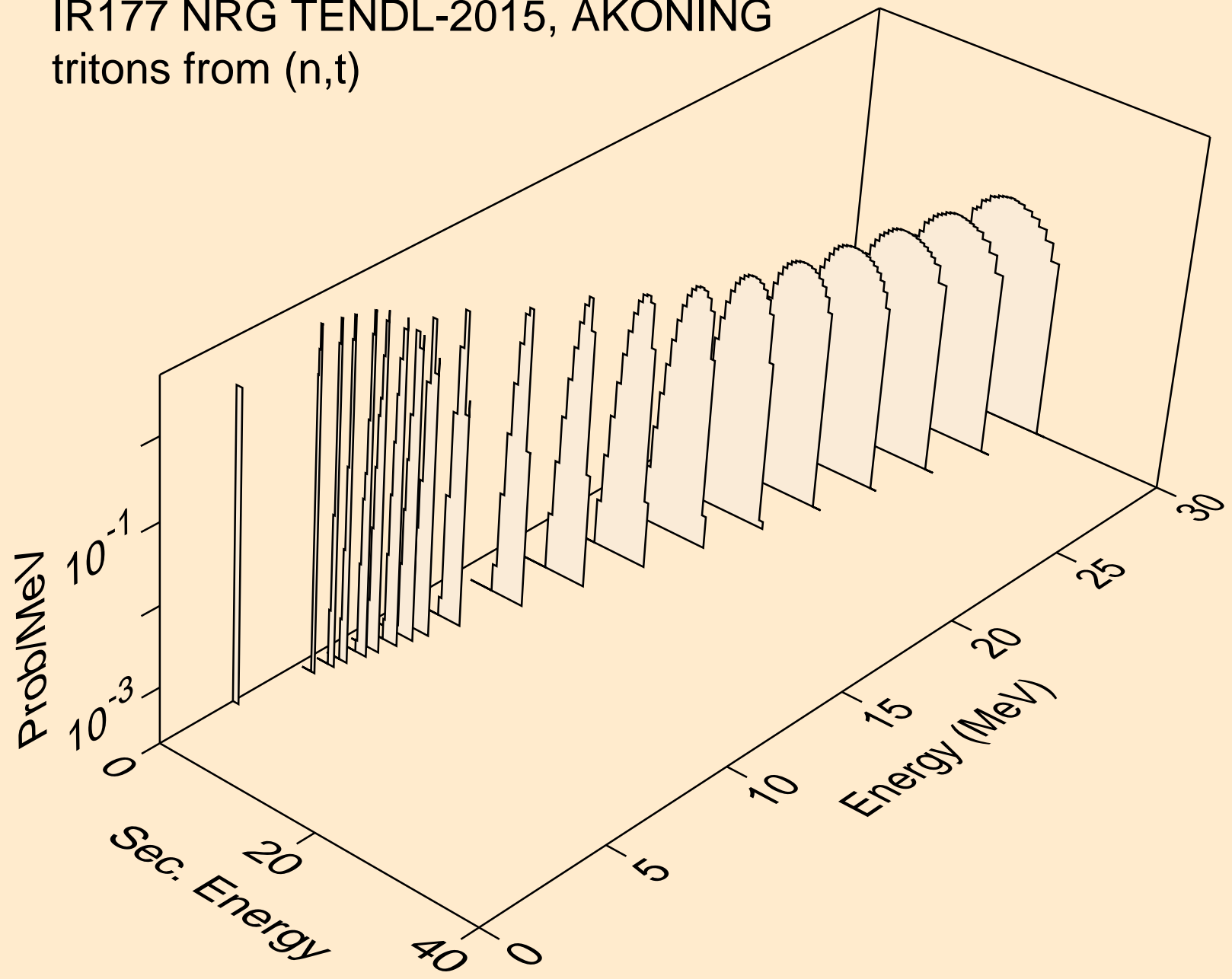
IR177 NRG TENDL-2015, AKONING  
tritons from (n,x)



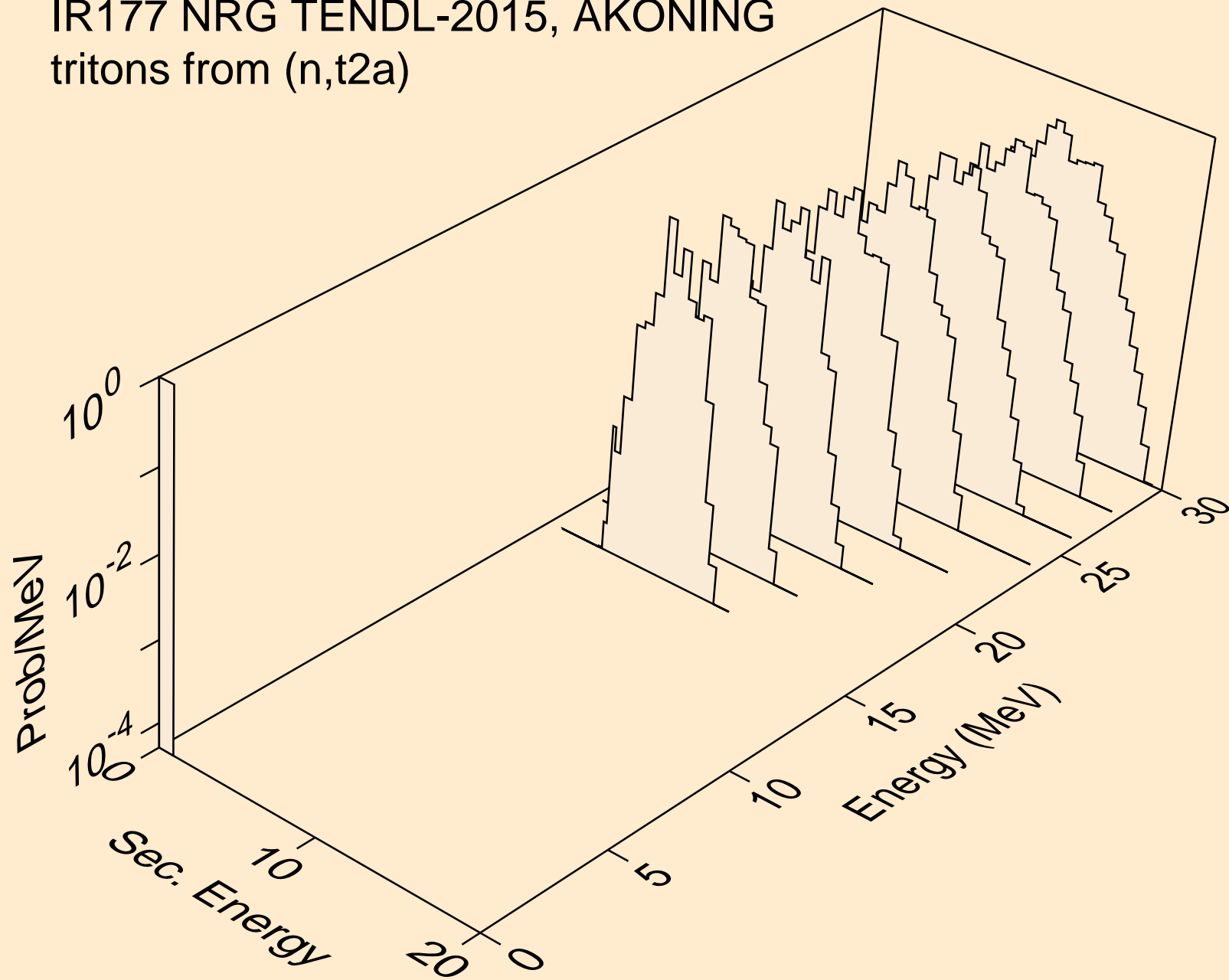
IR177 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



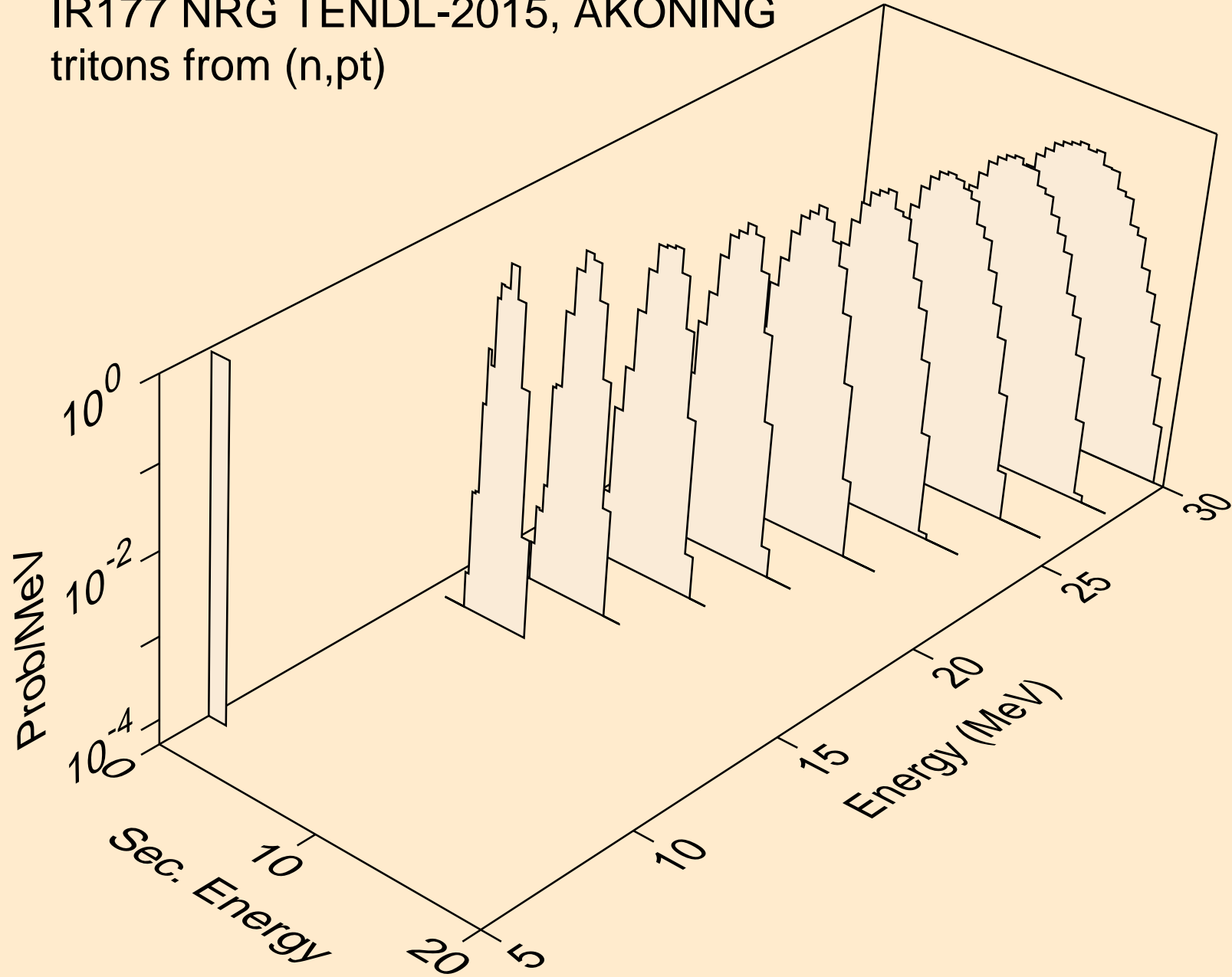
IR177 NRG TENDL-2015, AKONING  
tritons from (n,t)



IR177 NRG TENDL-2015, AKONING  
tritons from (n,t2a)

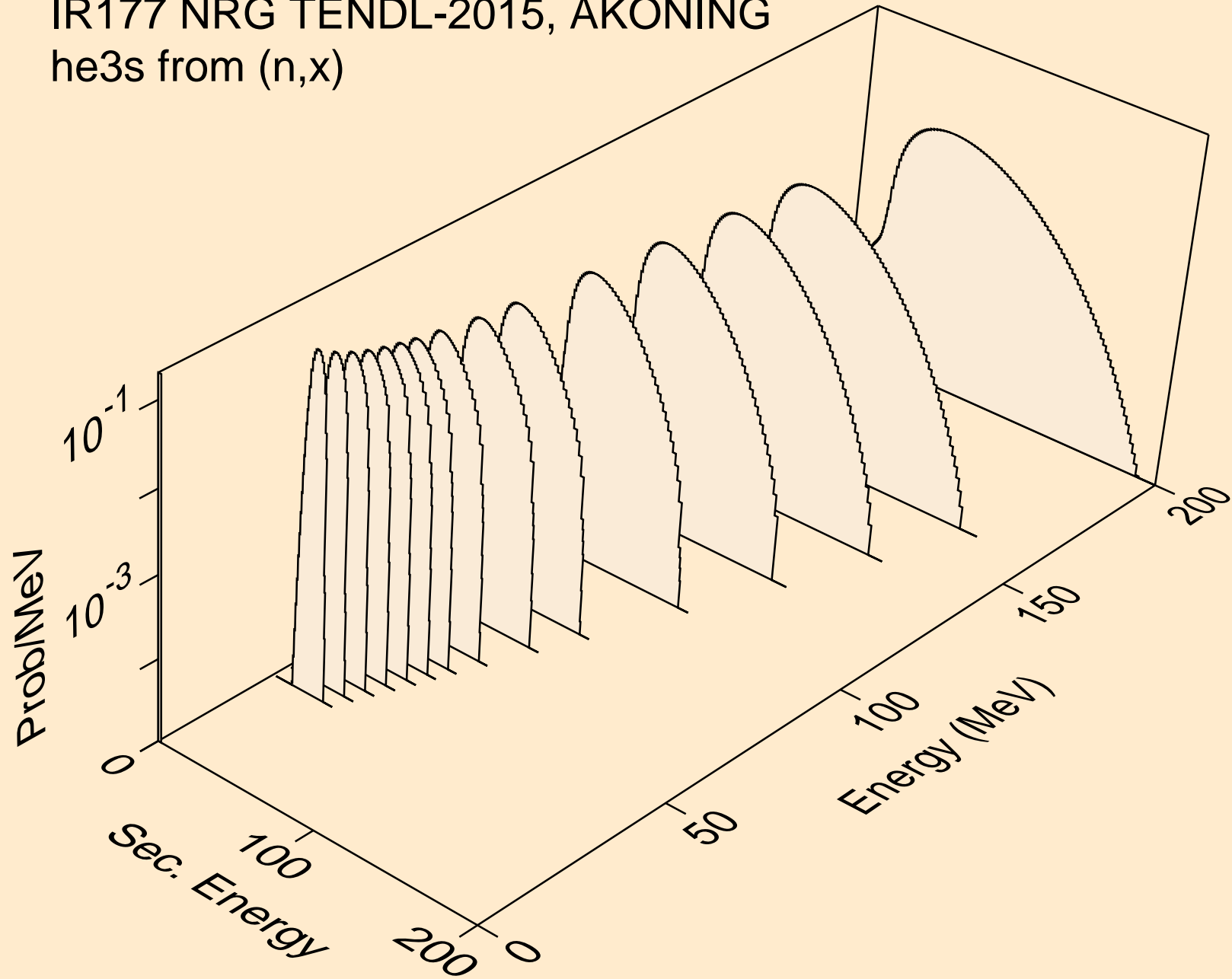


IR177 NRG TENDL-2015, AKONING  
tritons from (n,pt)

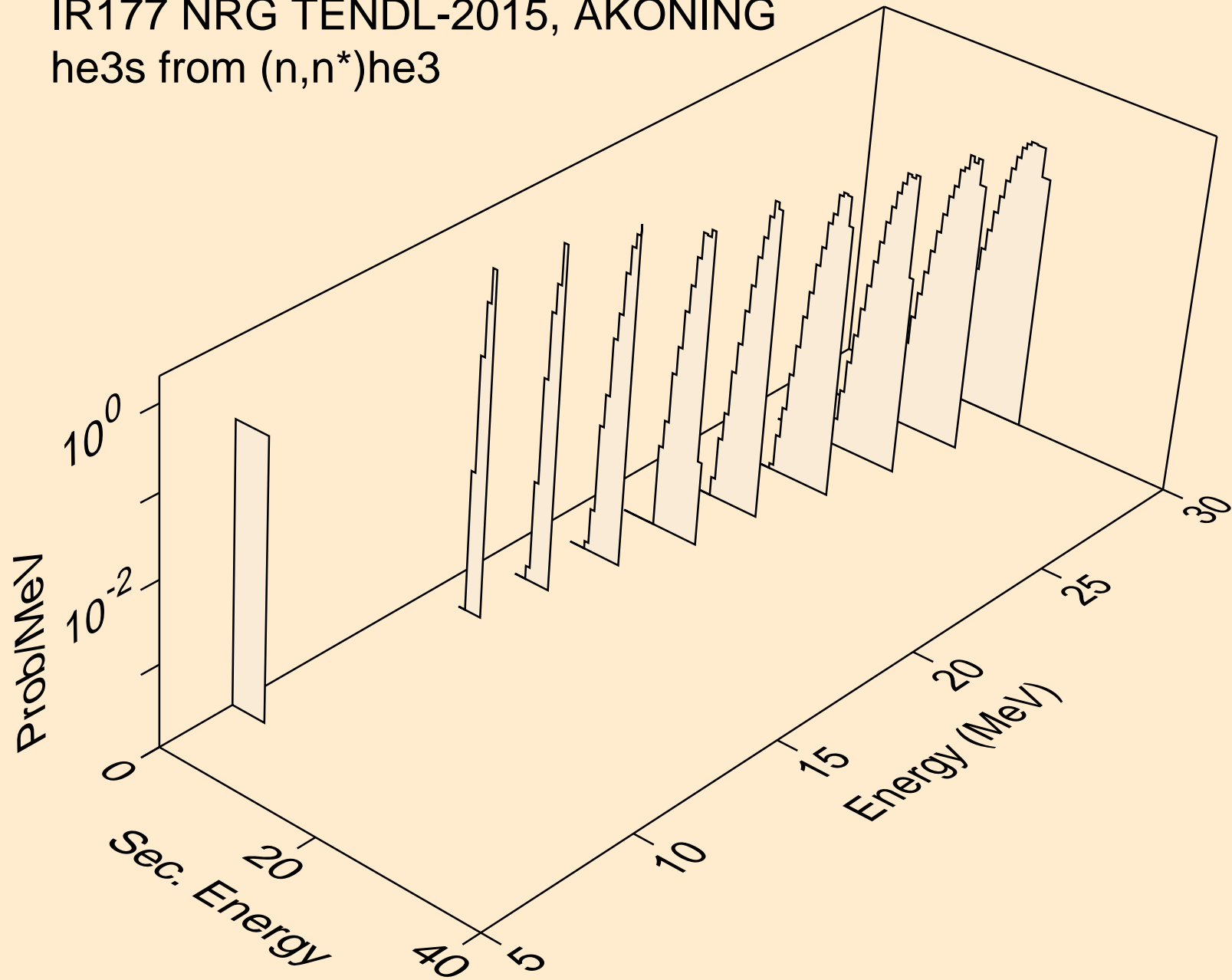




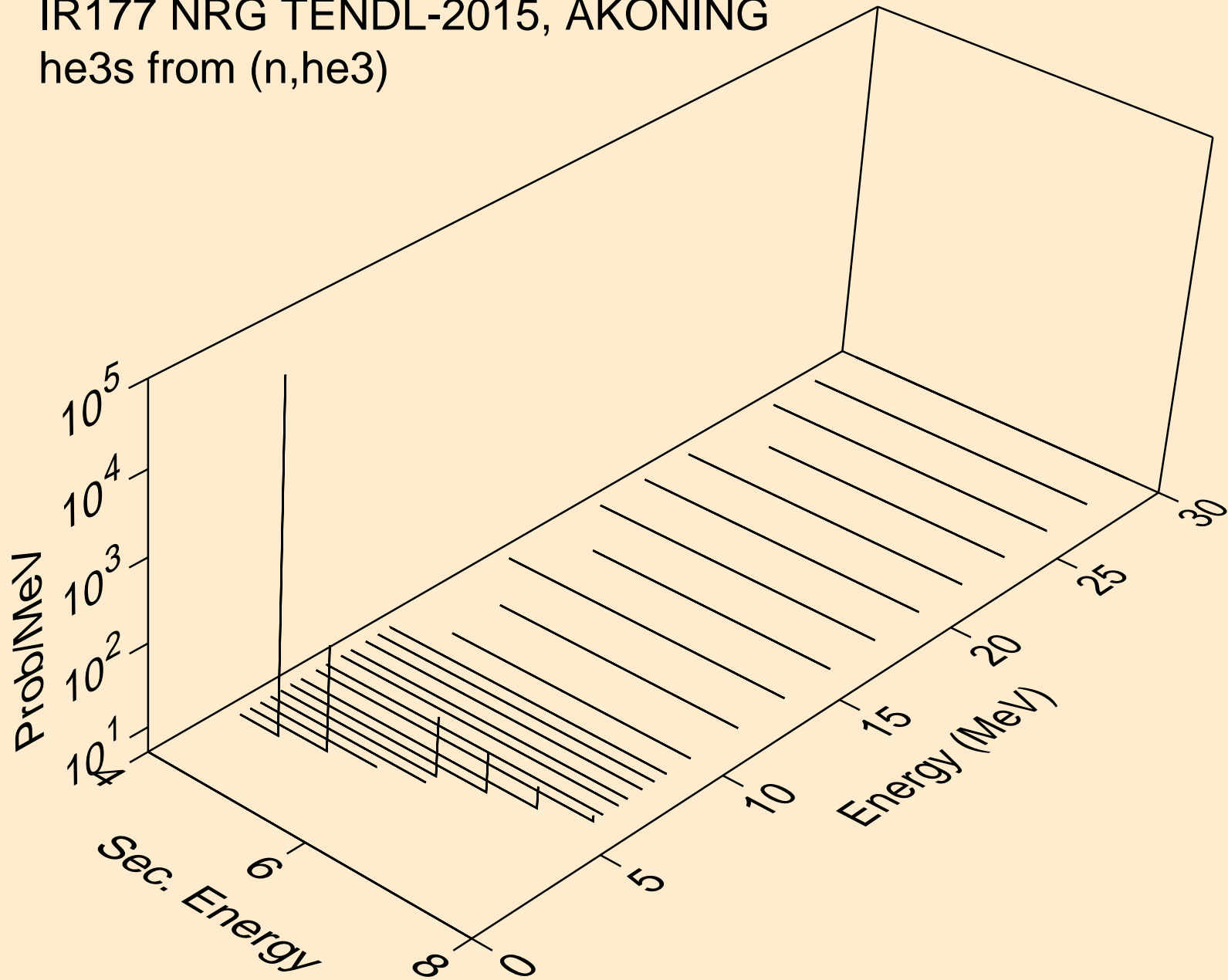
IR177 NRG TENDL-2015, AKONING  
he3s from (n,x)



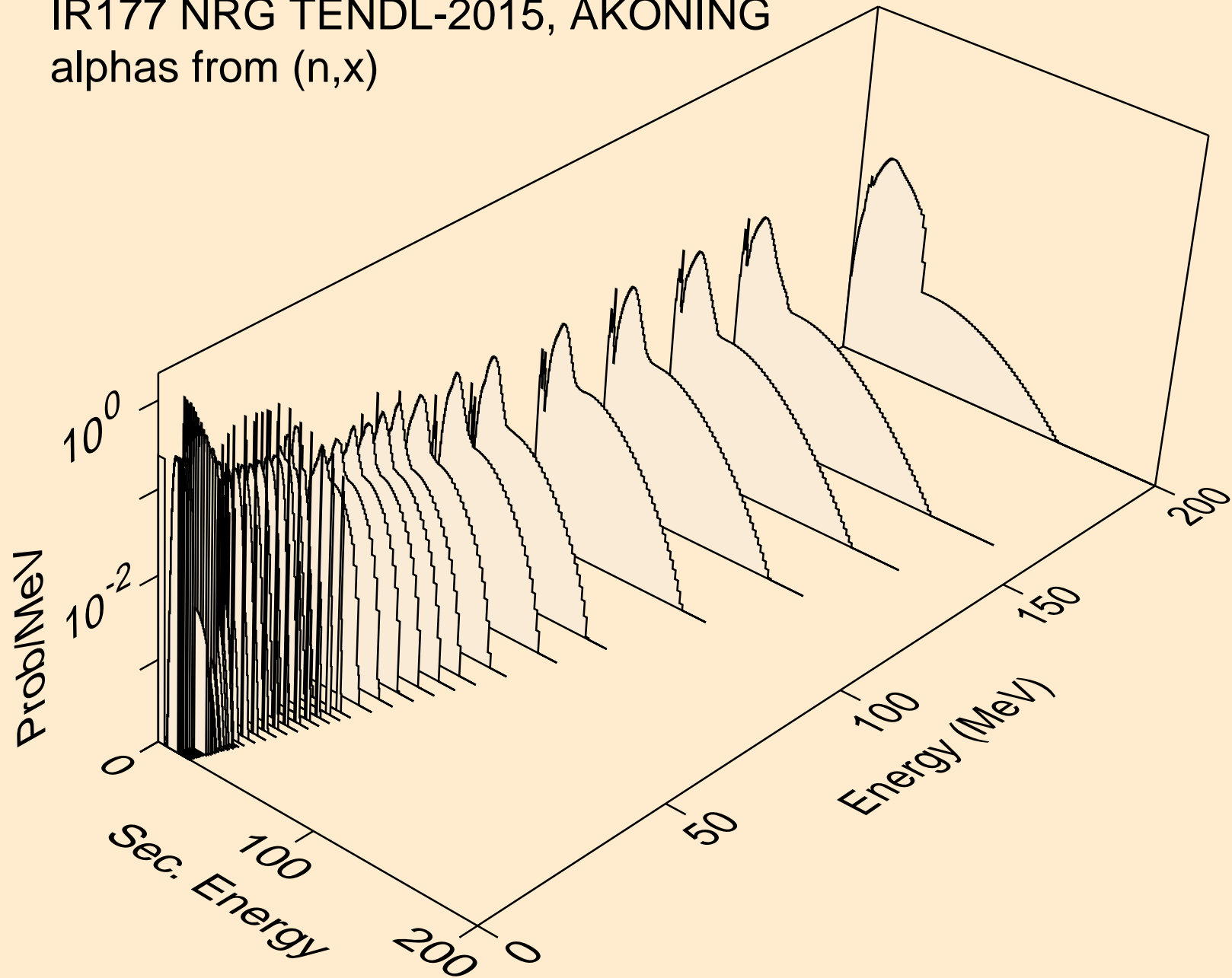
IR177 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



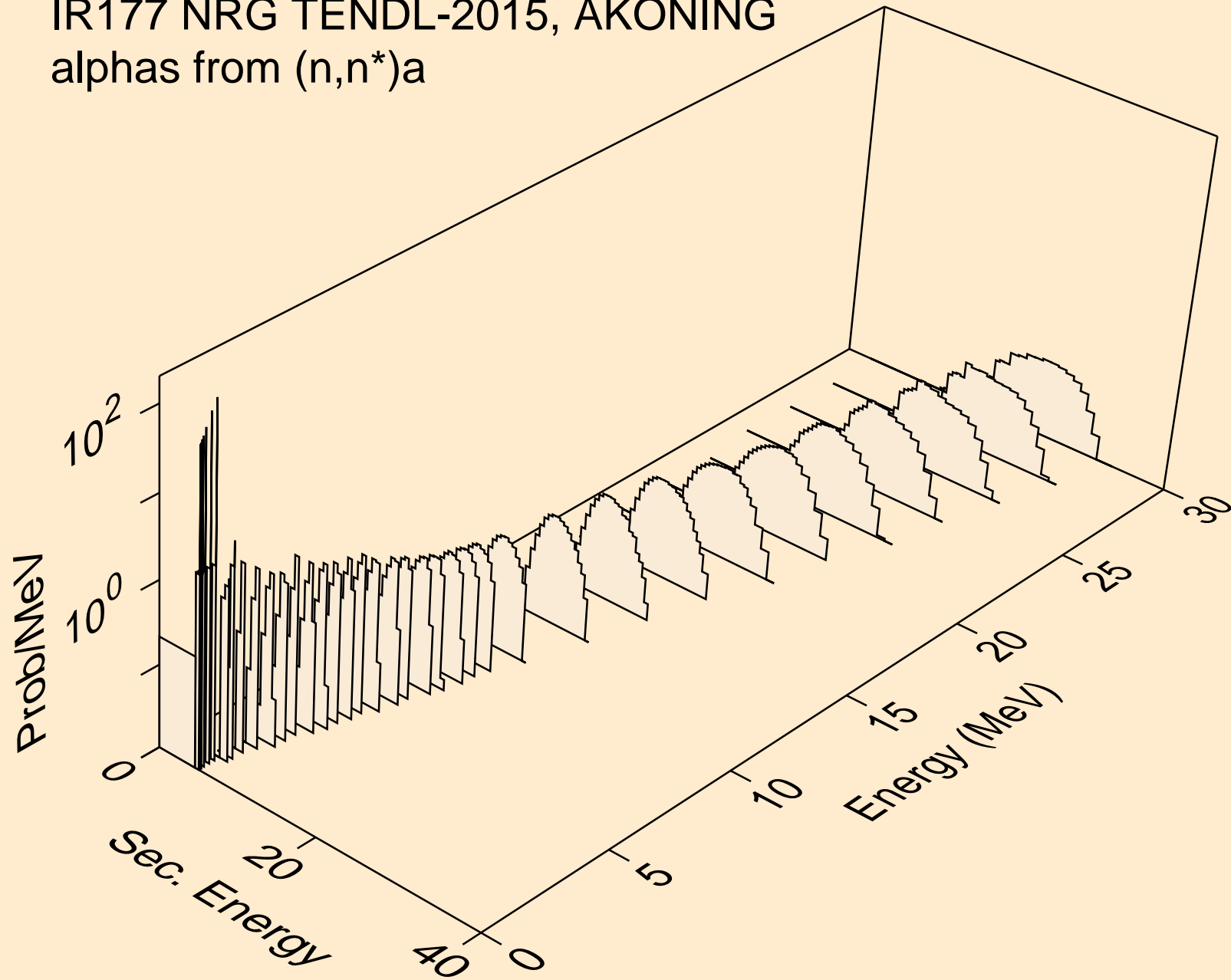
IR177 NRG TENDL-2015, AKONING  
he3s from (n,he3)



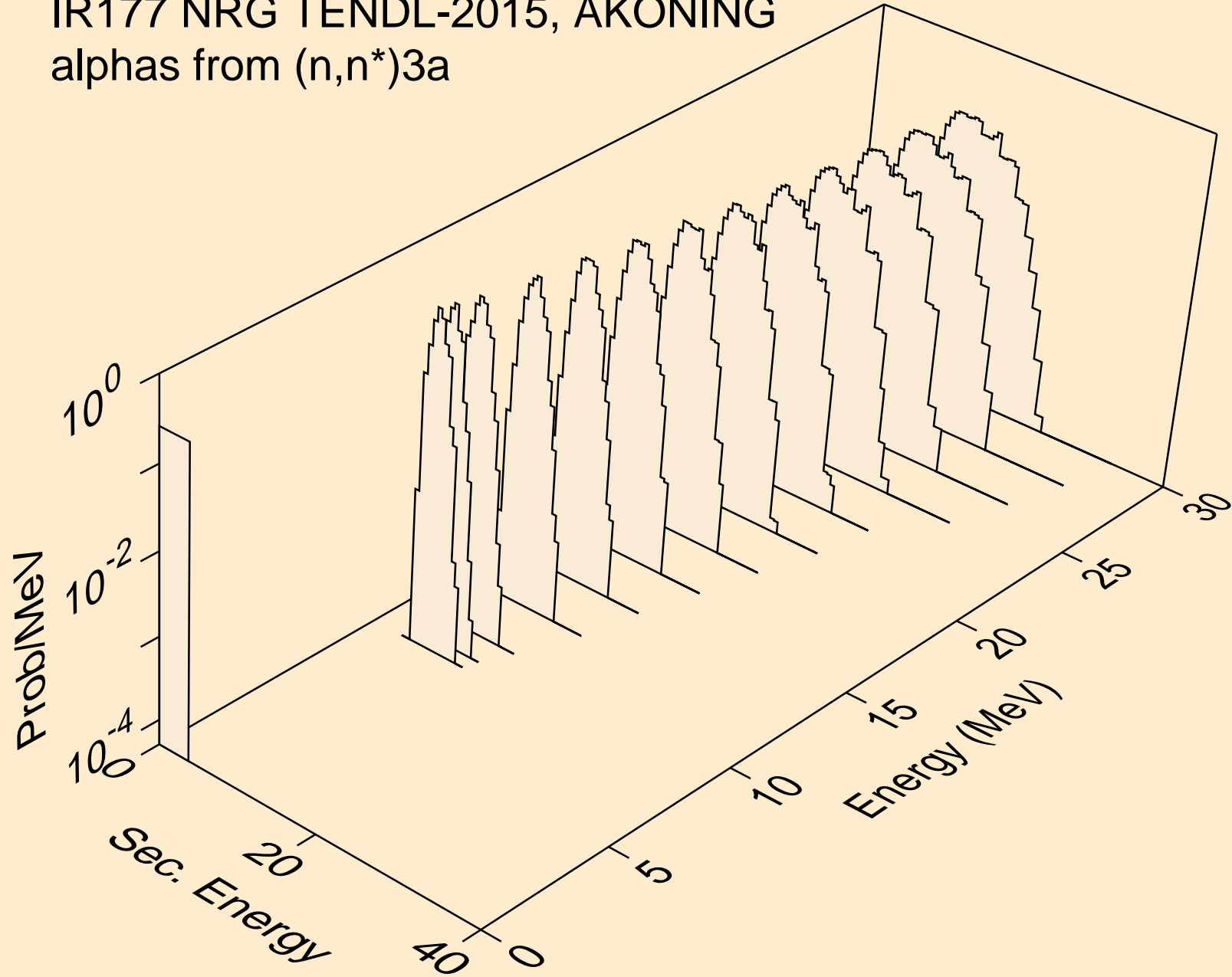
IR177 NRG TENDL-2015, AKONING  
alphas from (n,x)



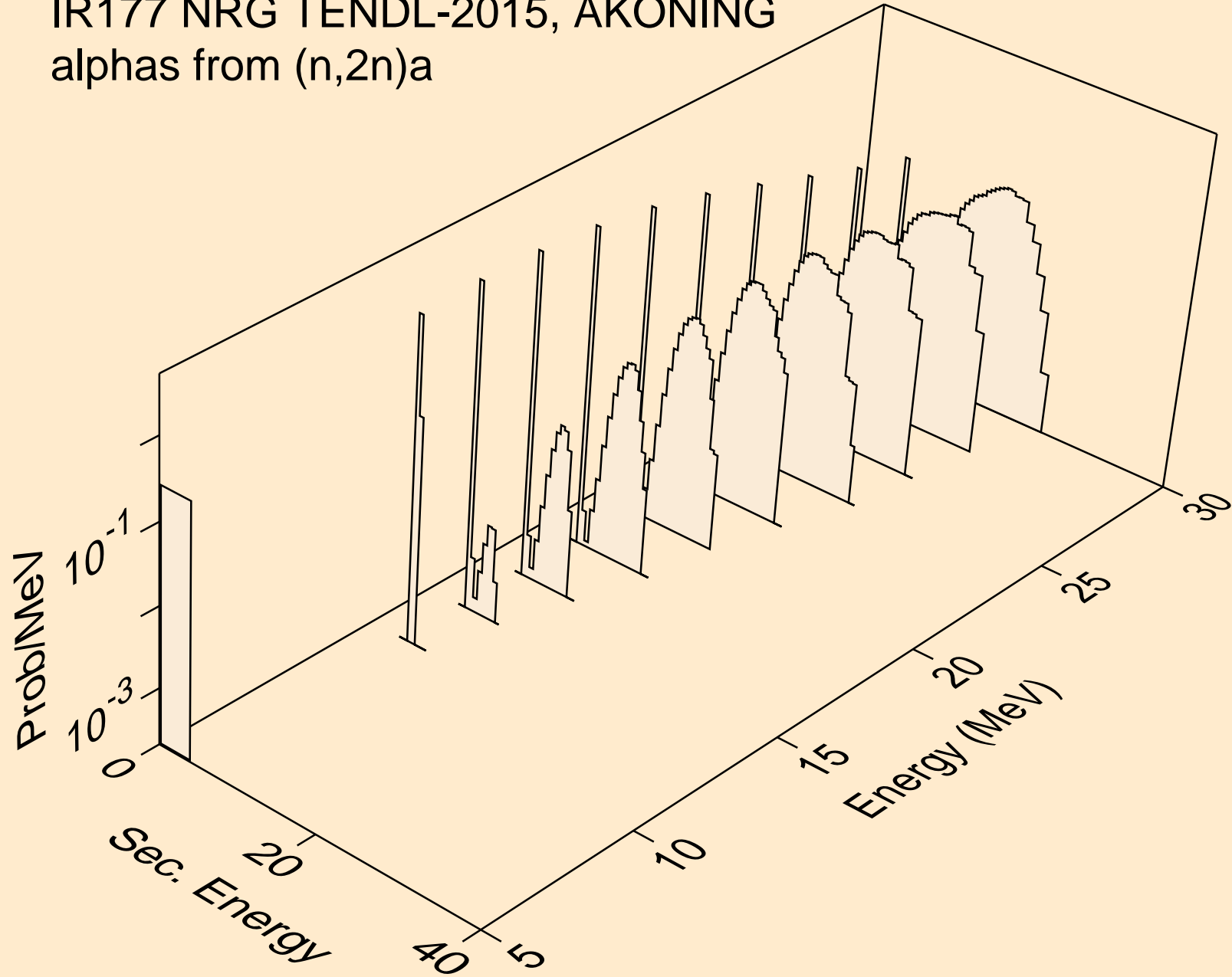
IR177 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



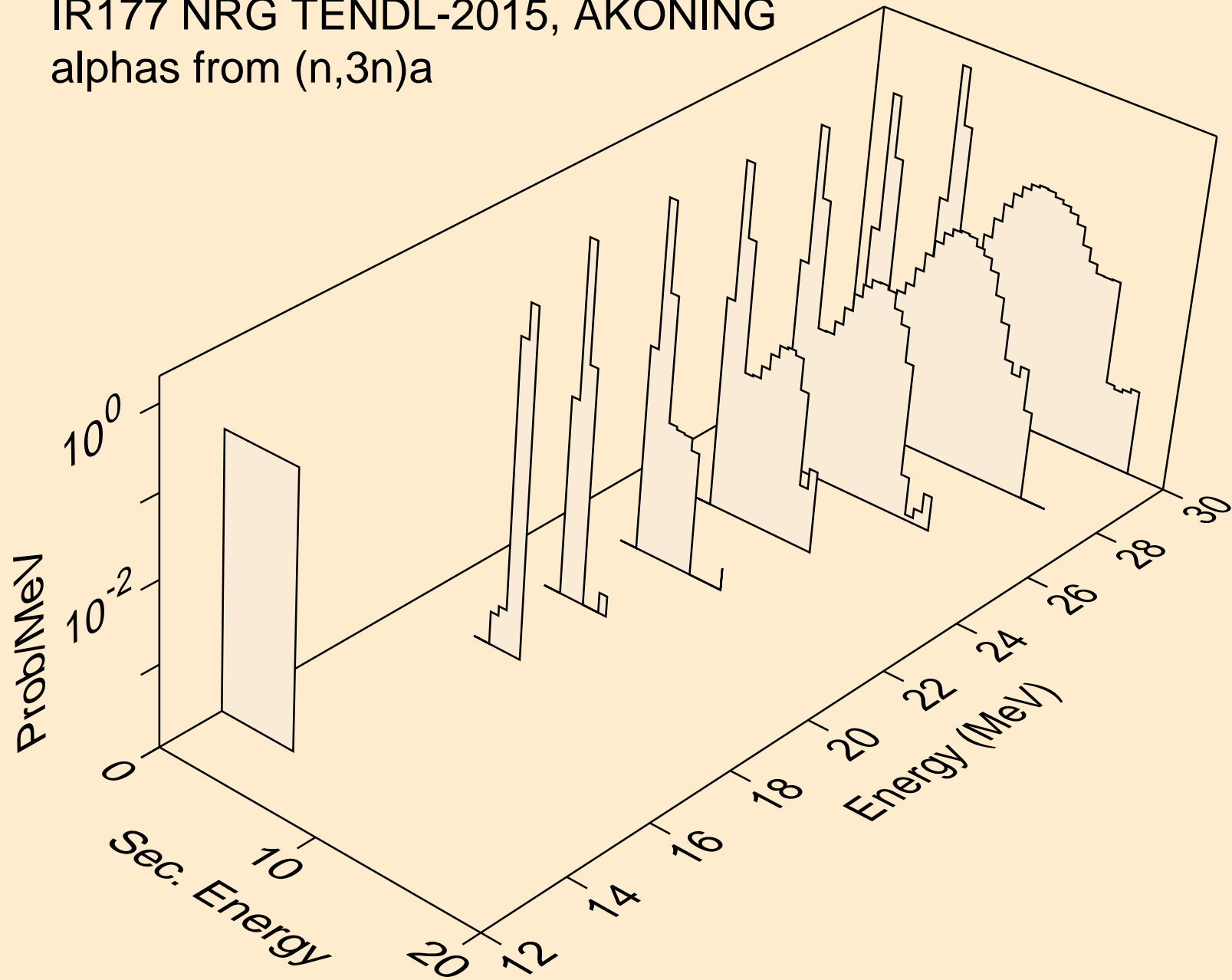
IR177 NRG TENDL-2015, AKONING  
alphas from (n,n\*)3a



IR177 NRG TENDL-2015, AKONING  
alphas from (n,2n)a

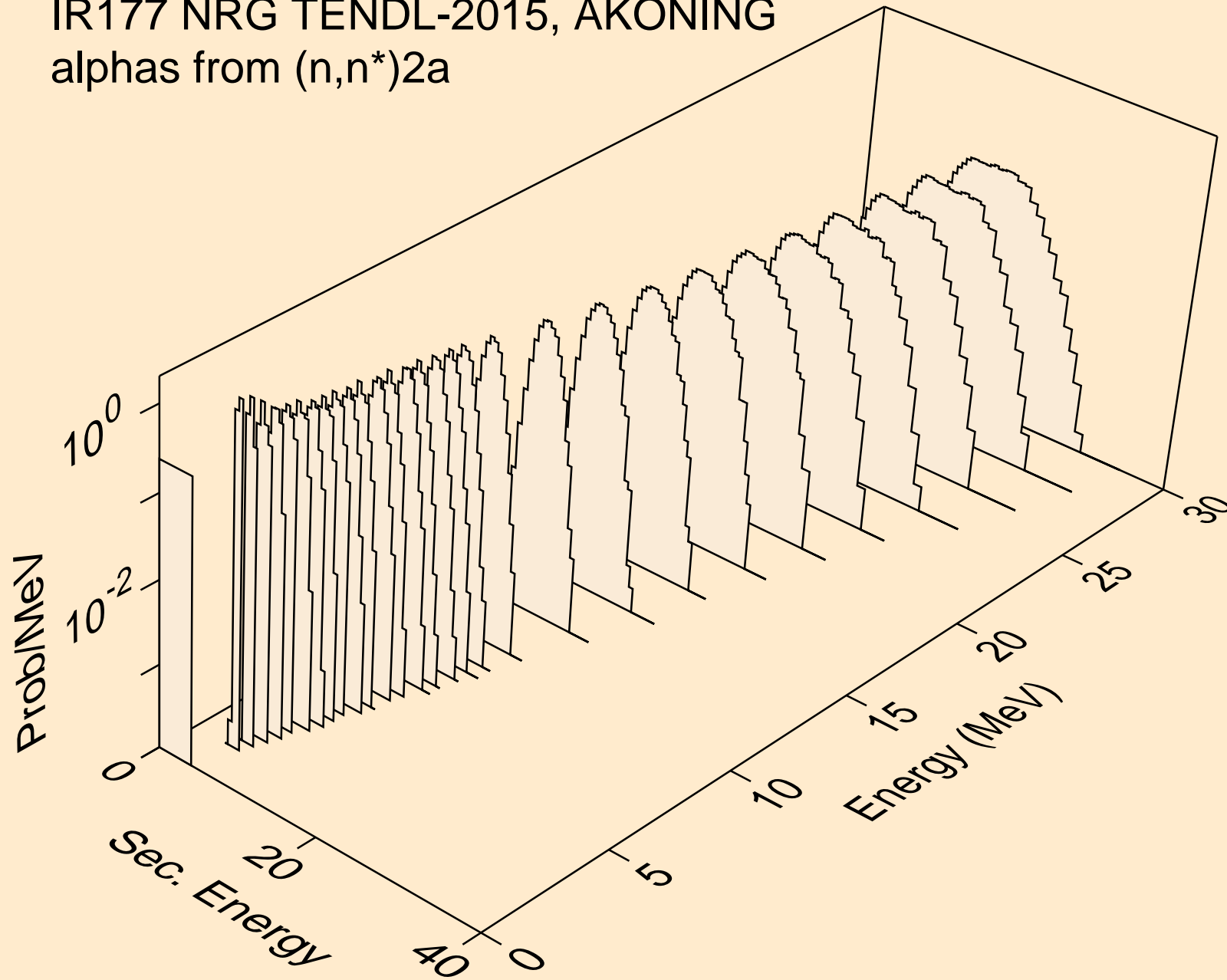


IR177 NRG TENDL-2015, AKONING  
alphas from (n,3n)a

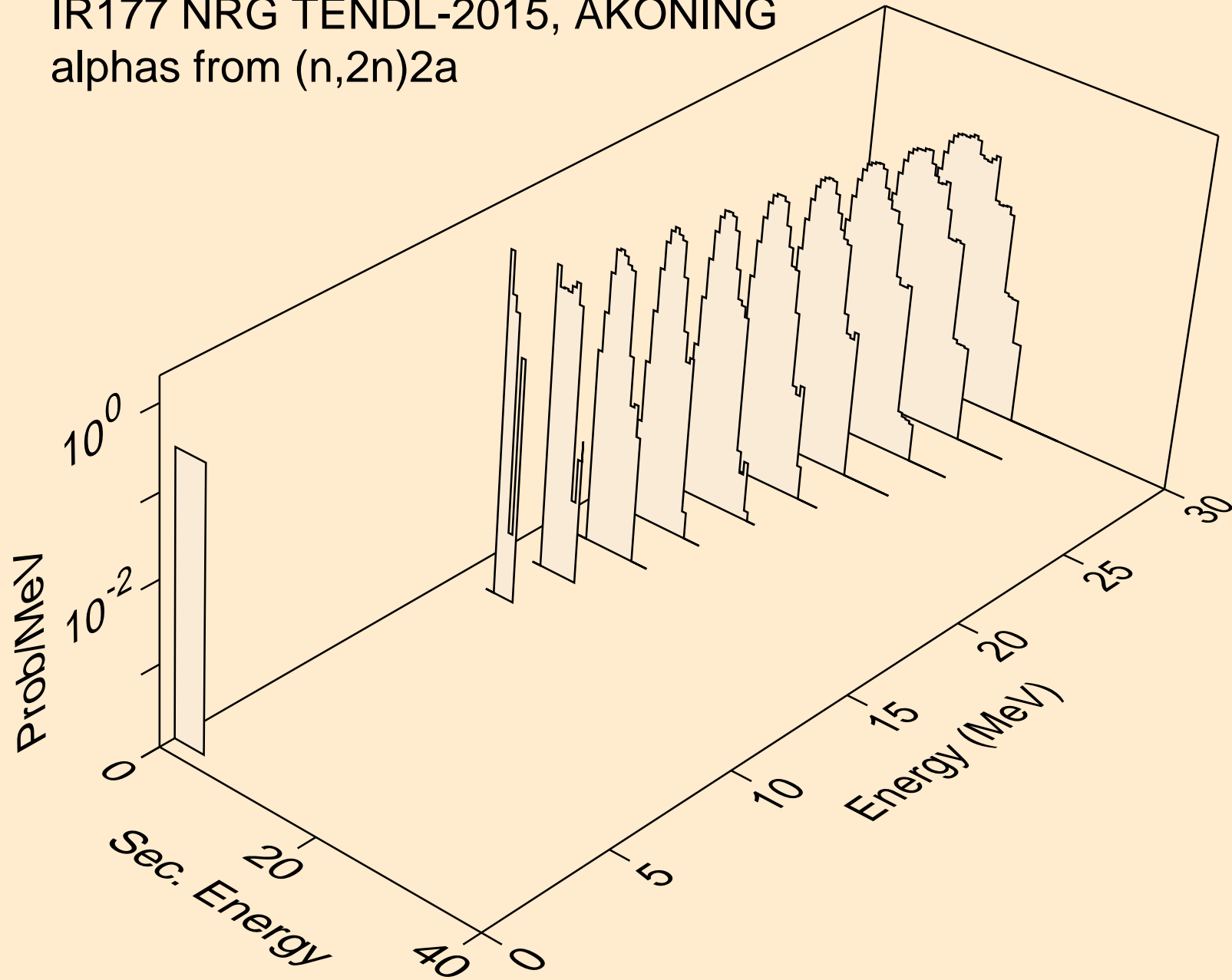




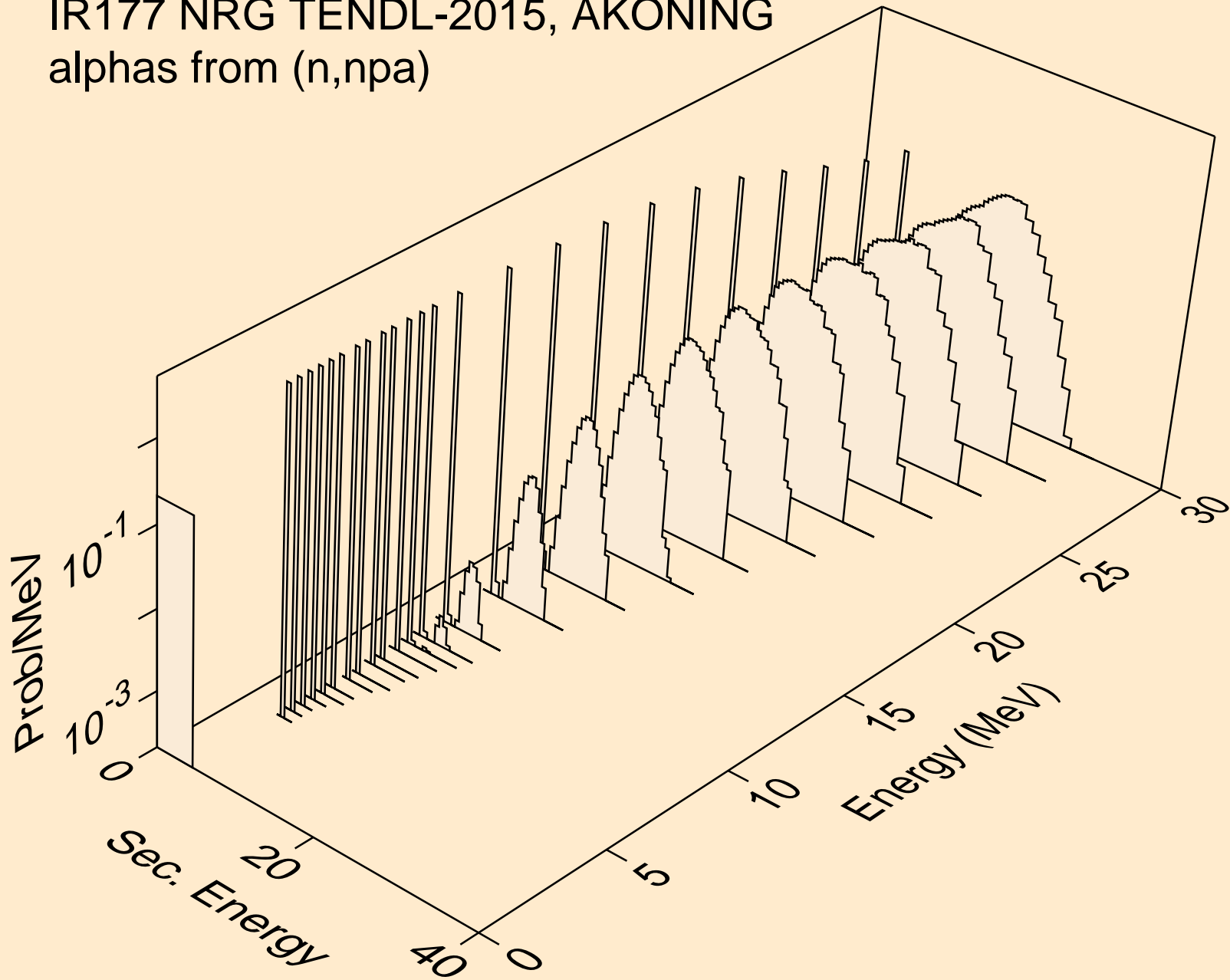
IR177 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



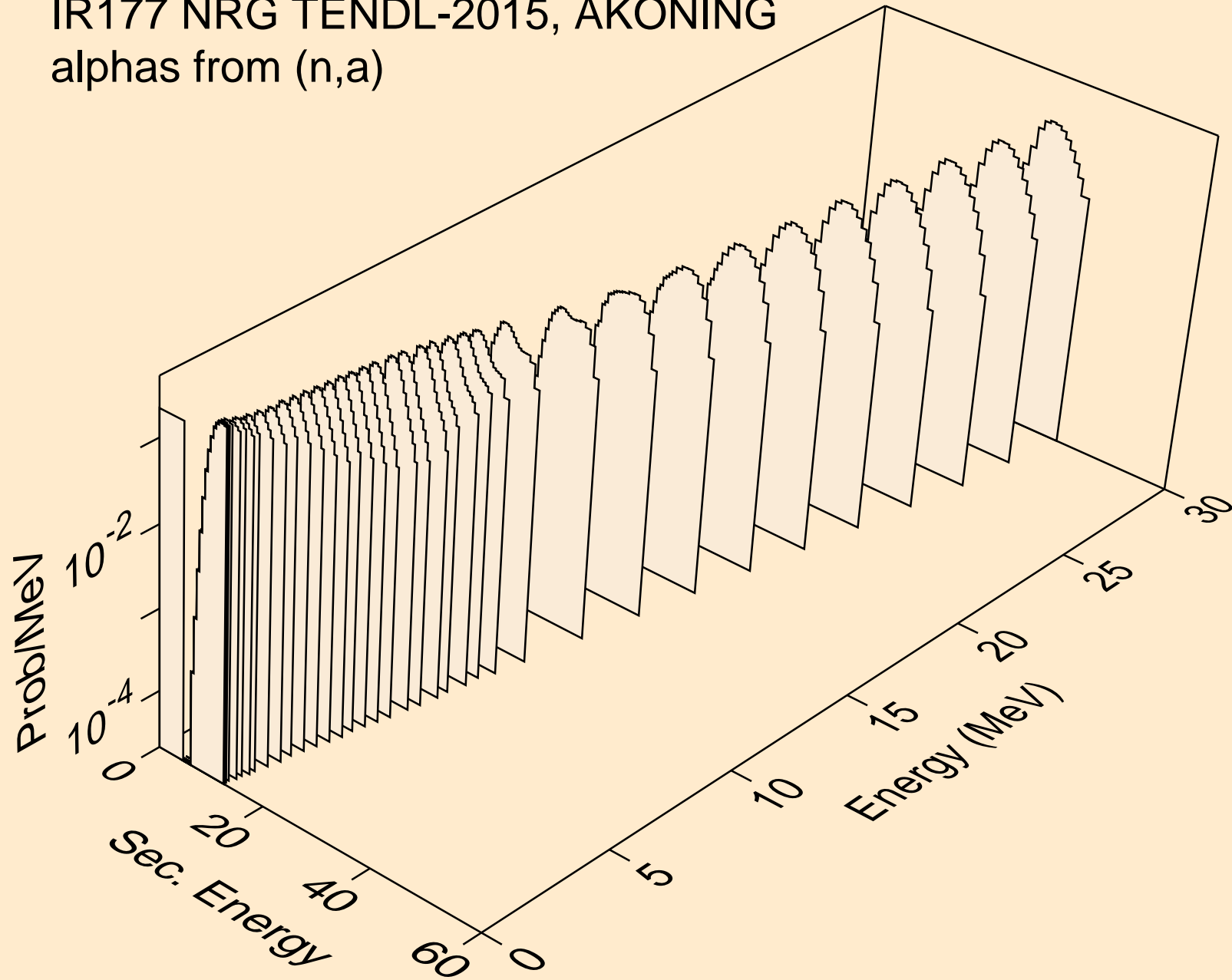
IR177 NRG TENDL-2015, AKONING  
alphas from (n,2n)2a



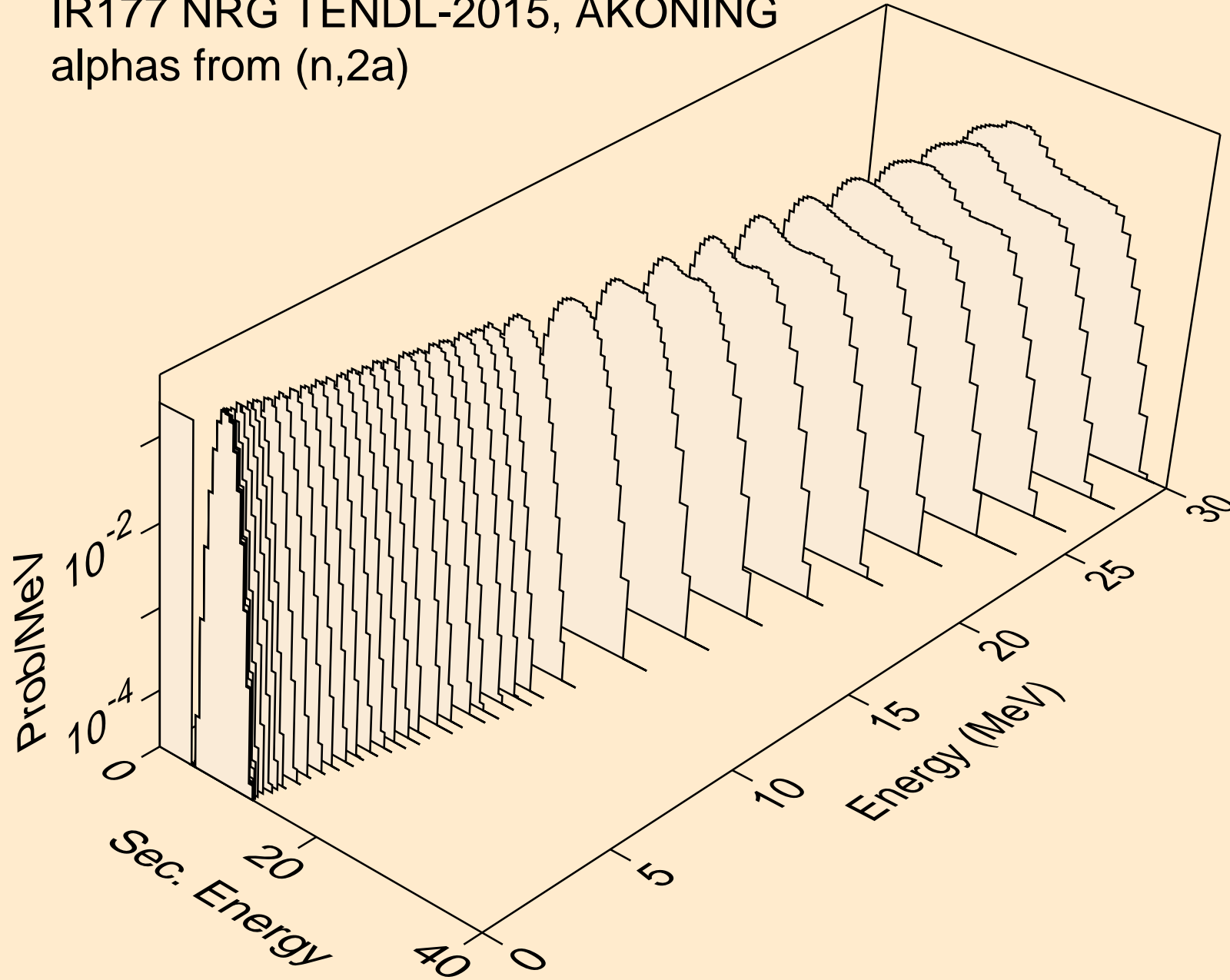
IR177 NRG TENDL-2015, AKONING  
alphas from (n,npa)



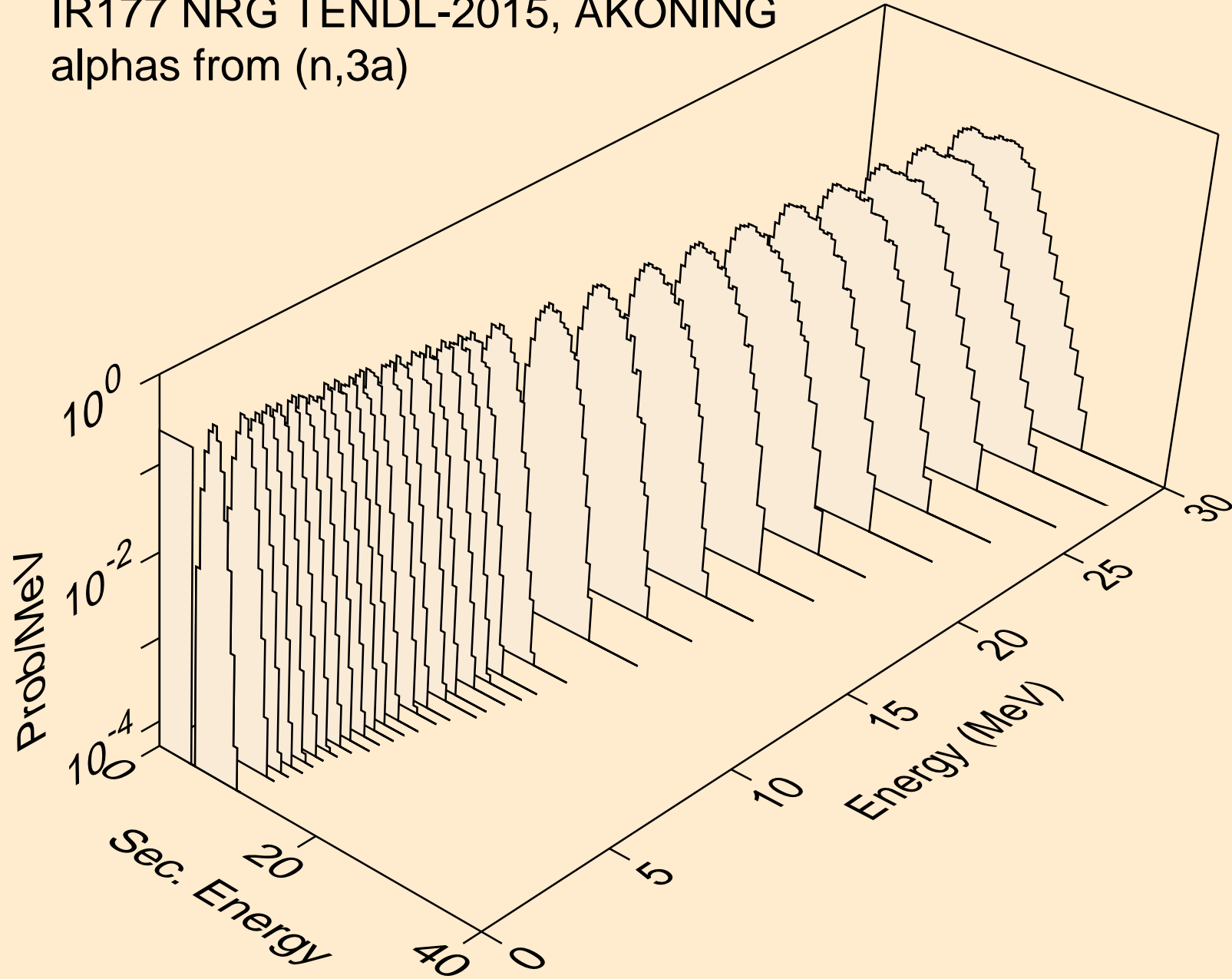
IR177 NRG TENDL-2015, AKONING  
alphas from (n,a)



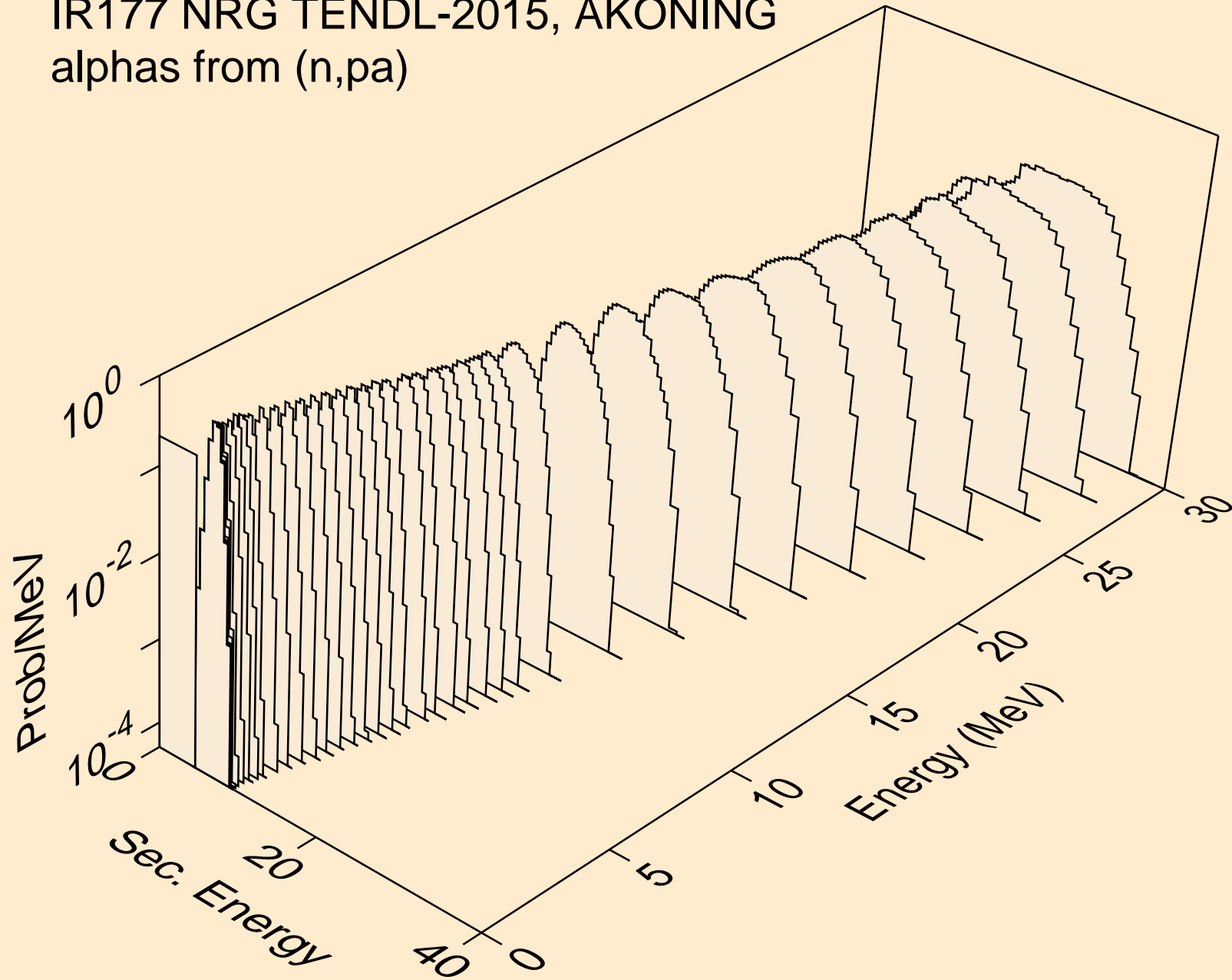
IR177 NRG TENDL-2015, AKONING  
alphas from (n,2a)



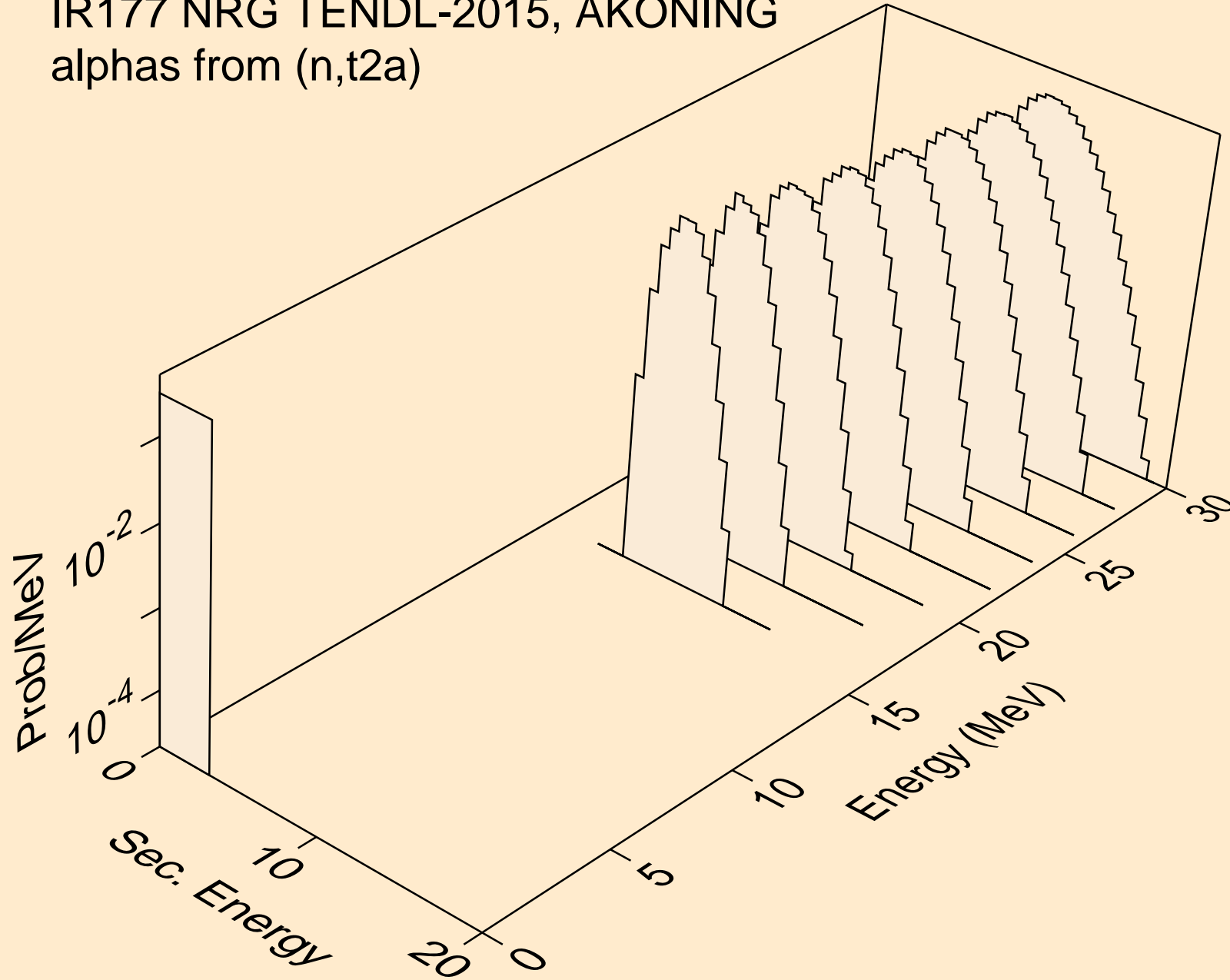
IR177 NRG TENDL-2015, AKONING  
alphas from (n,3a)



IR177 NRG TENDL-2015, AKONING  
alphas from (n,pa)

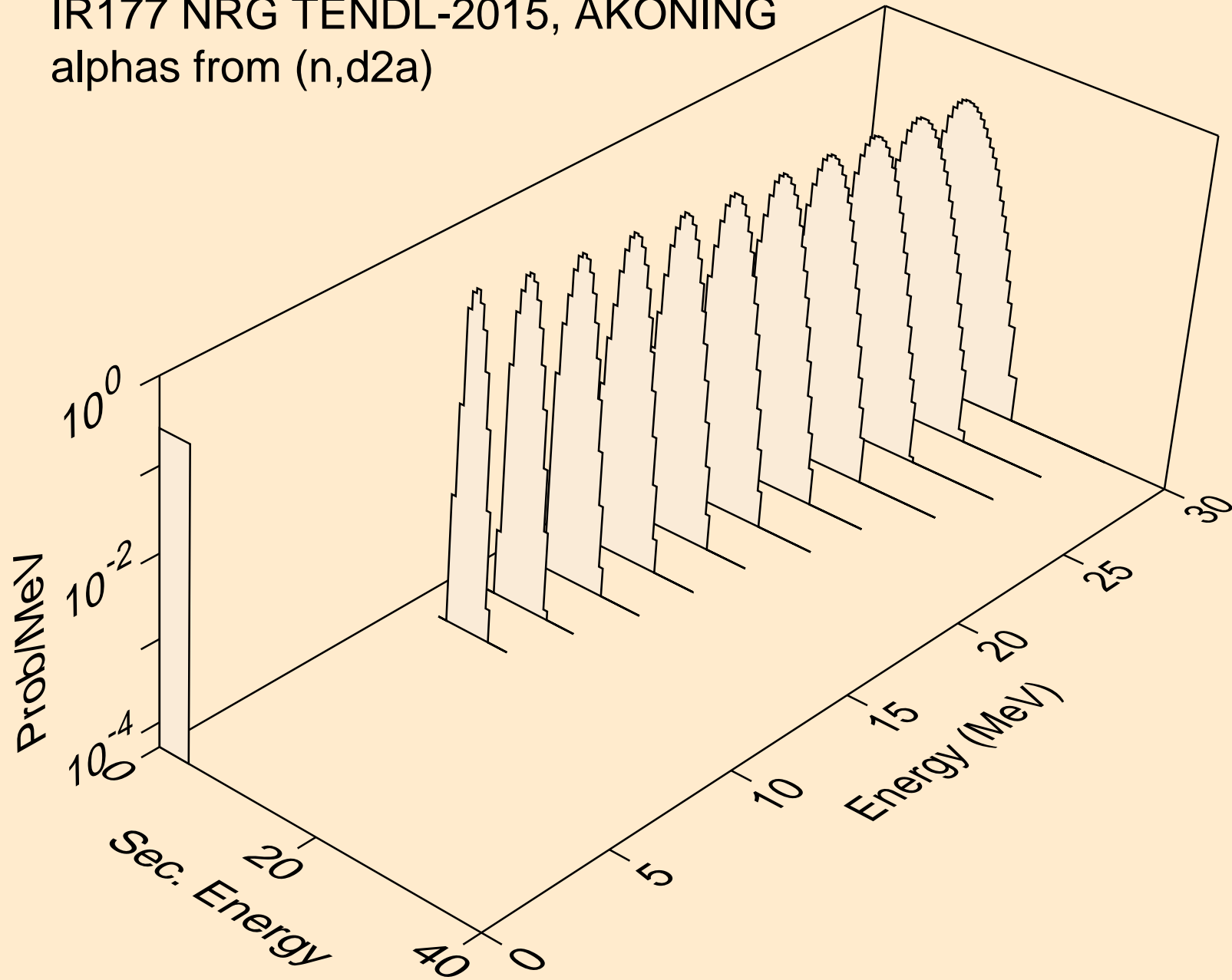


IR177 NRG TENDL-2015, AKONING  
alphas from (n,t2a)





IR177 NRG TENDL-2015, AKONING  
alphas from (n,d2a)



IR177 NRG TENDL-2015, AKONING  
alphas from (n,da)

