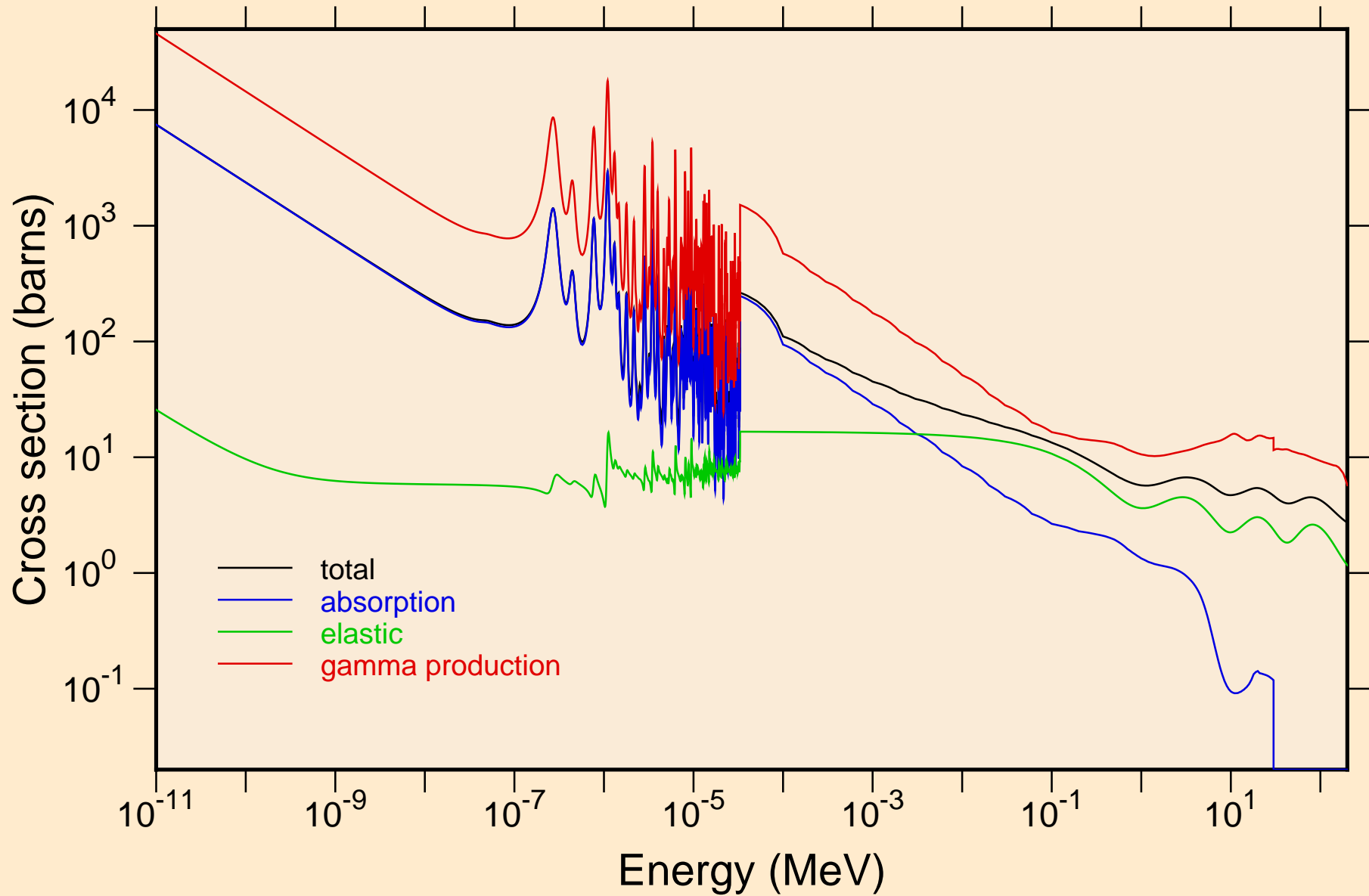
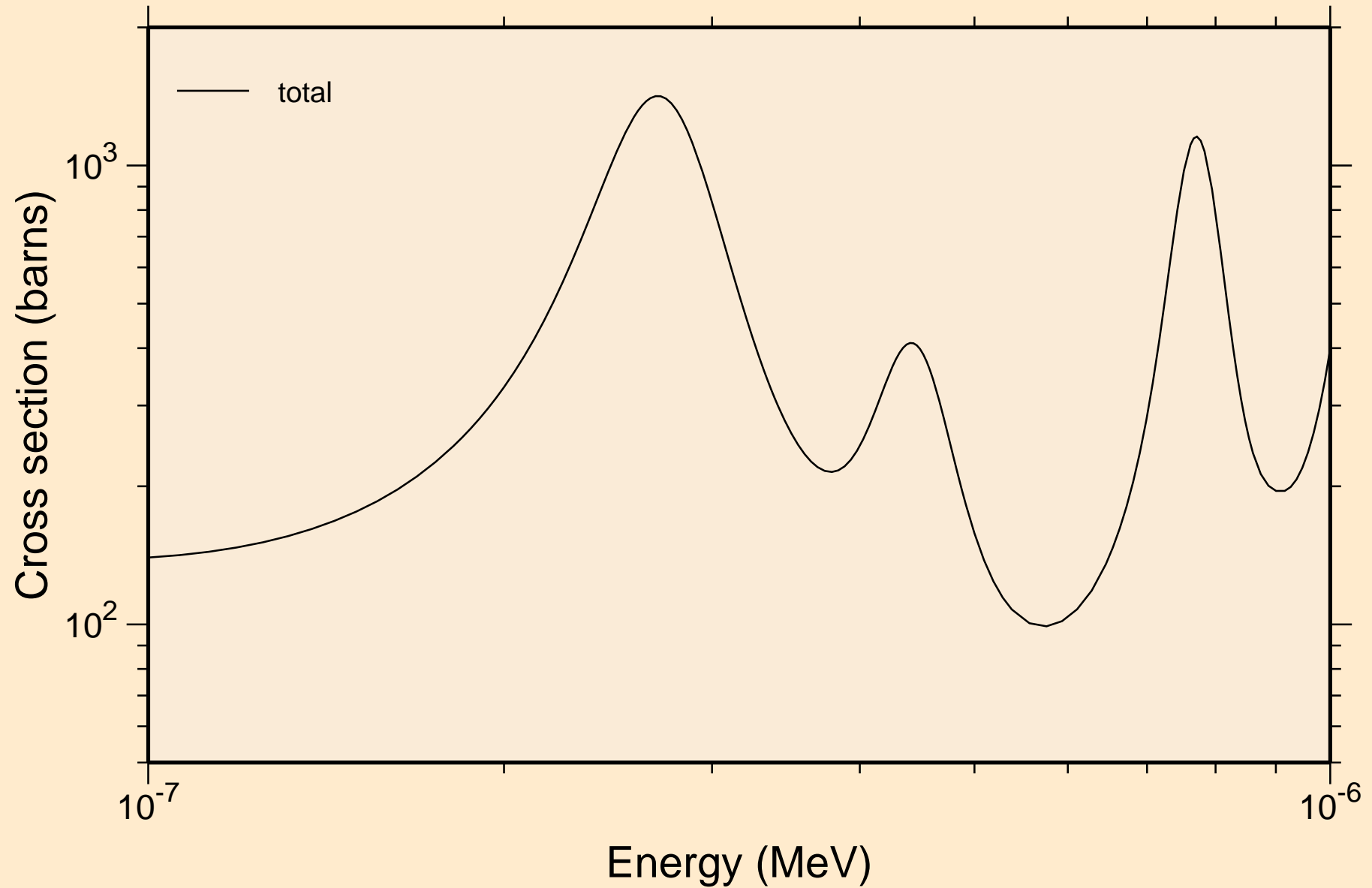


# IR179 NRG TENDL-2015, AKONING

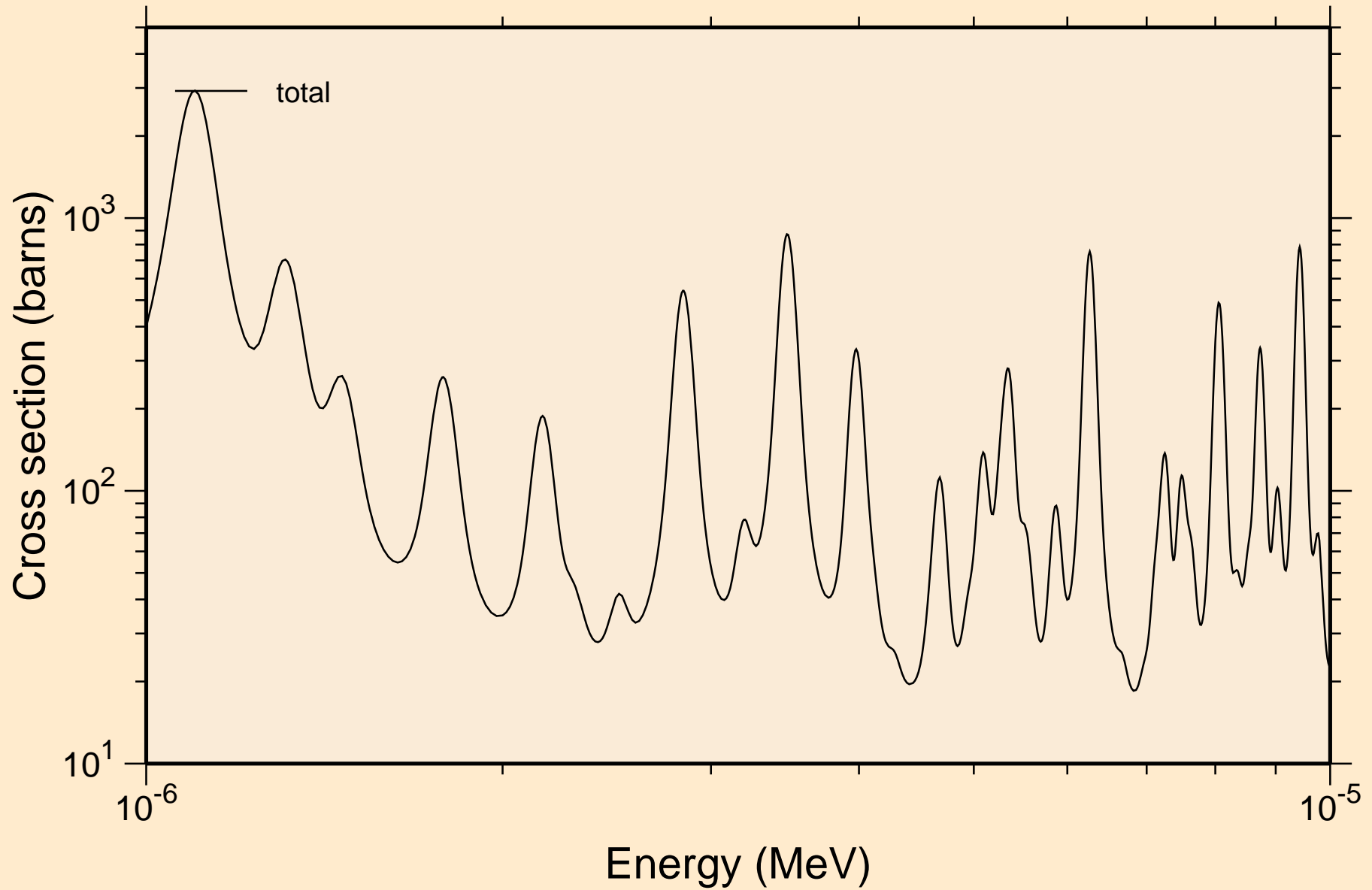
## Principal cross sections



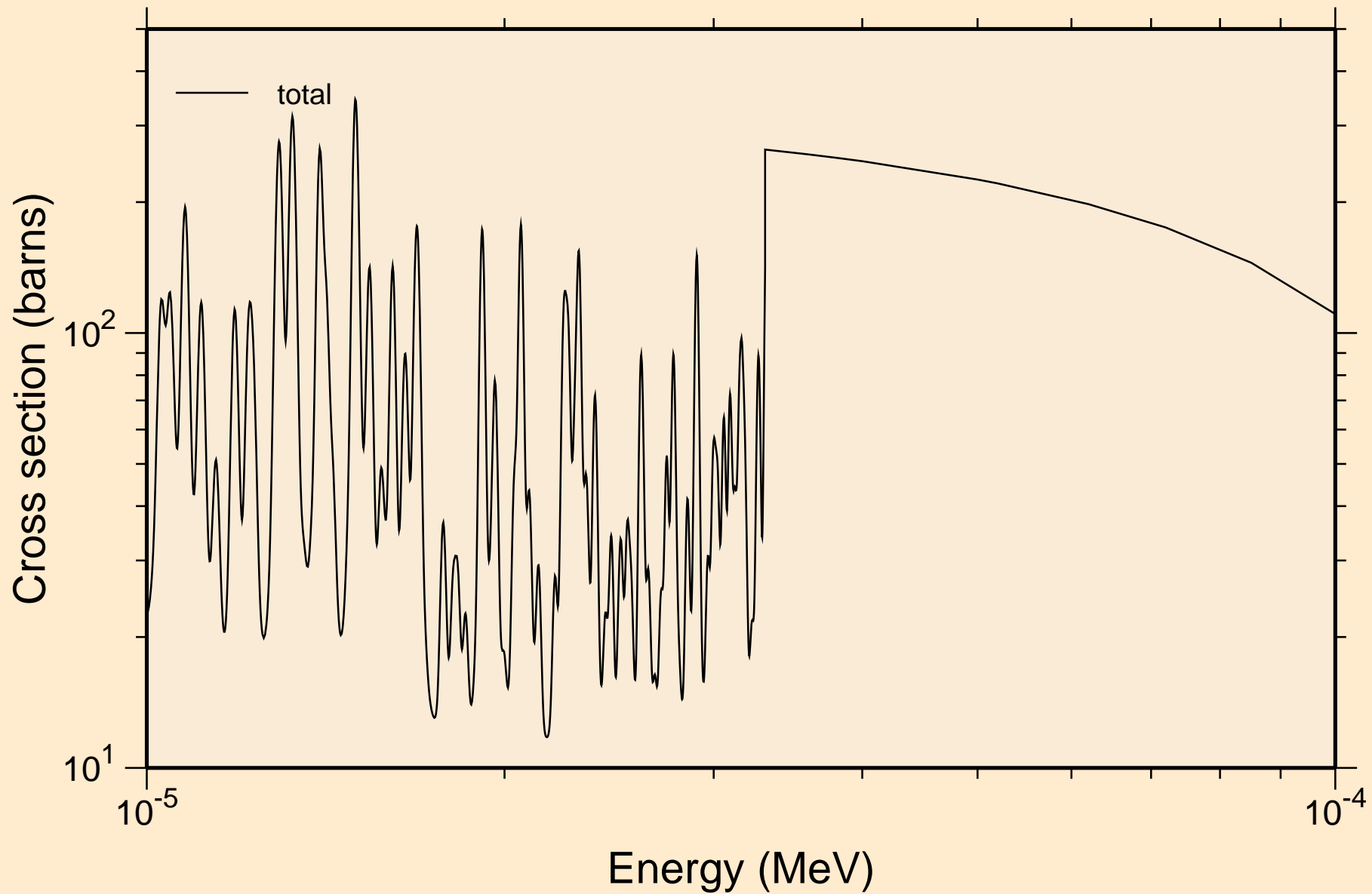
IR179 NRG TENDL-2015, AKONING  
resonance total cross section



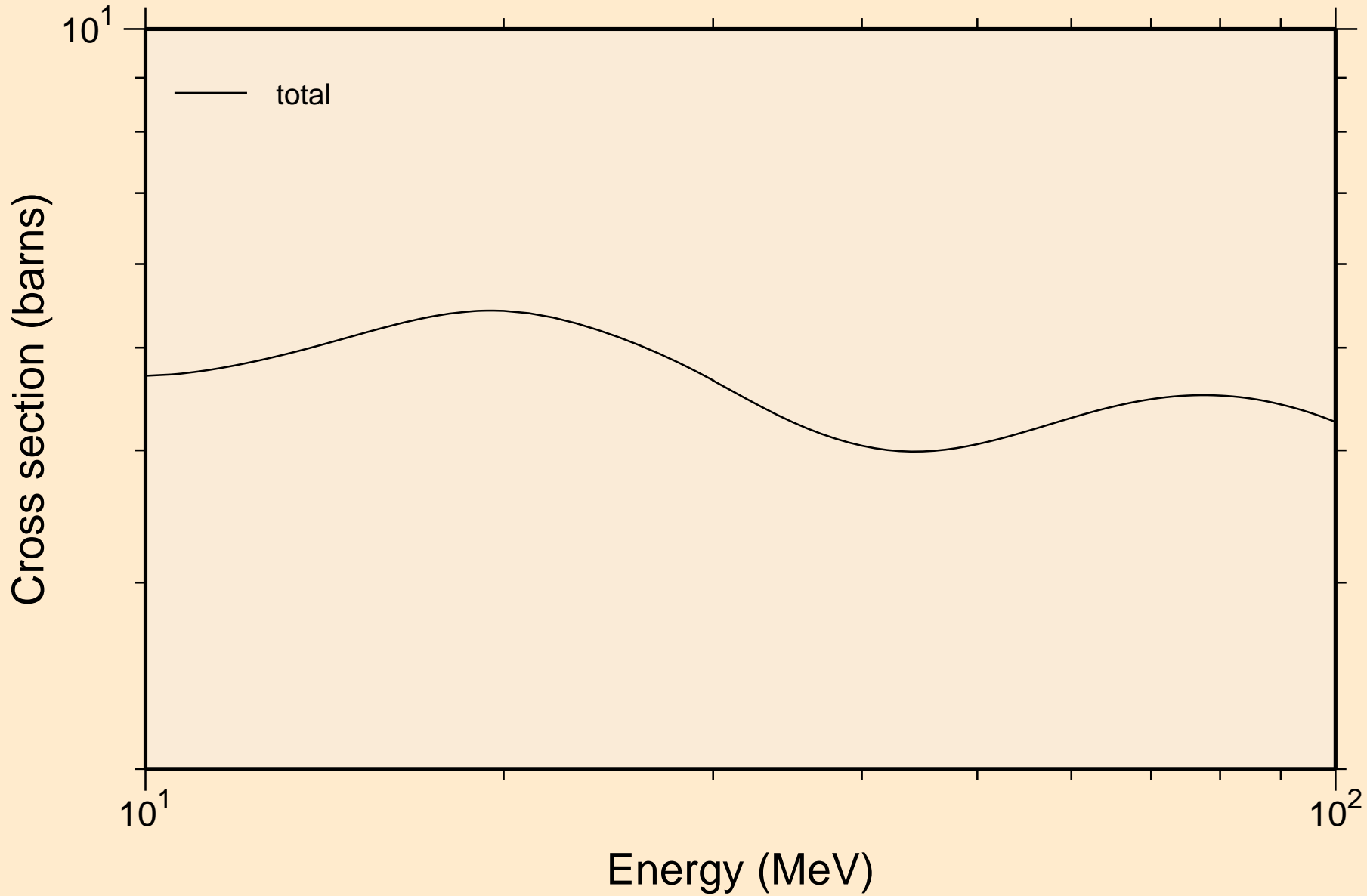
IR179 NRG TENDL-2015, AKONING  
resonance total cross section



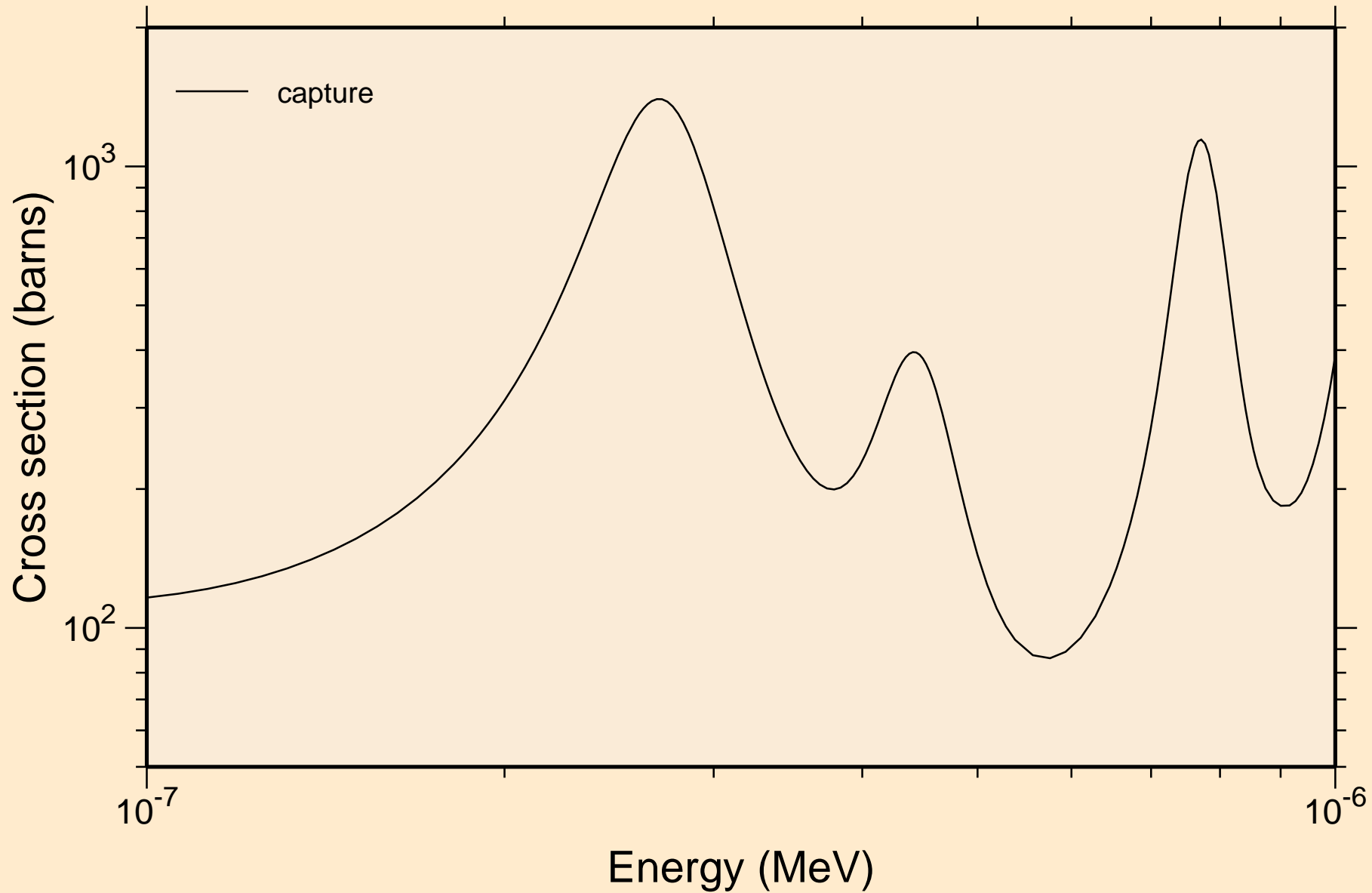
IR179 NRG TENDL-2015, AKONING  
resonance total cross section



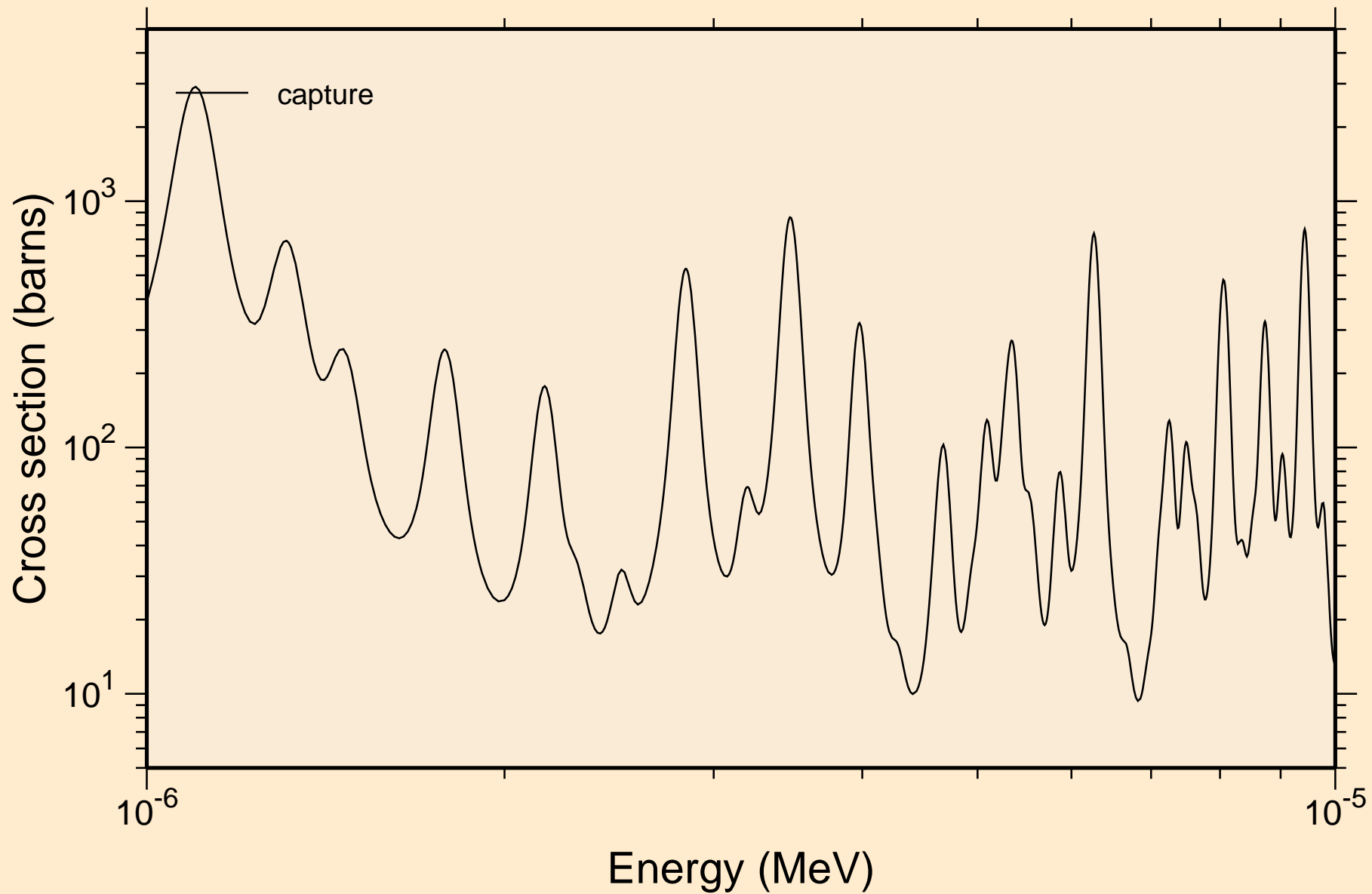
IR179 NRG TENDL-2015, AKONING  
resonance total cross section



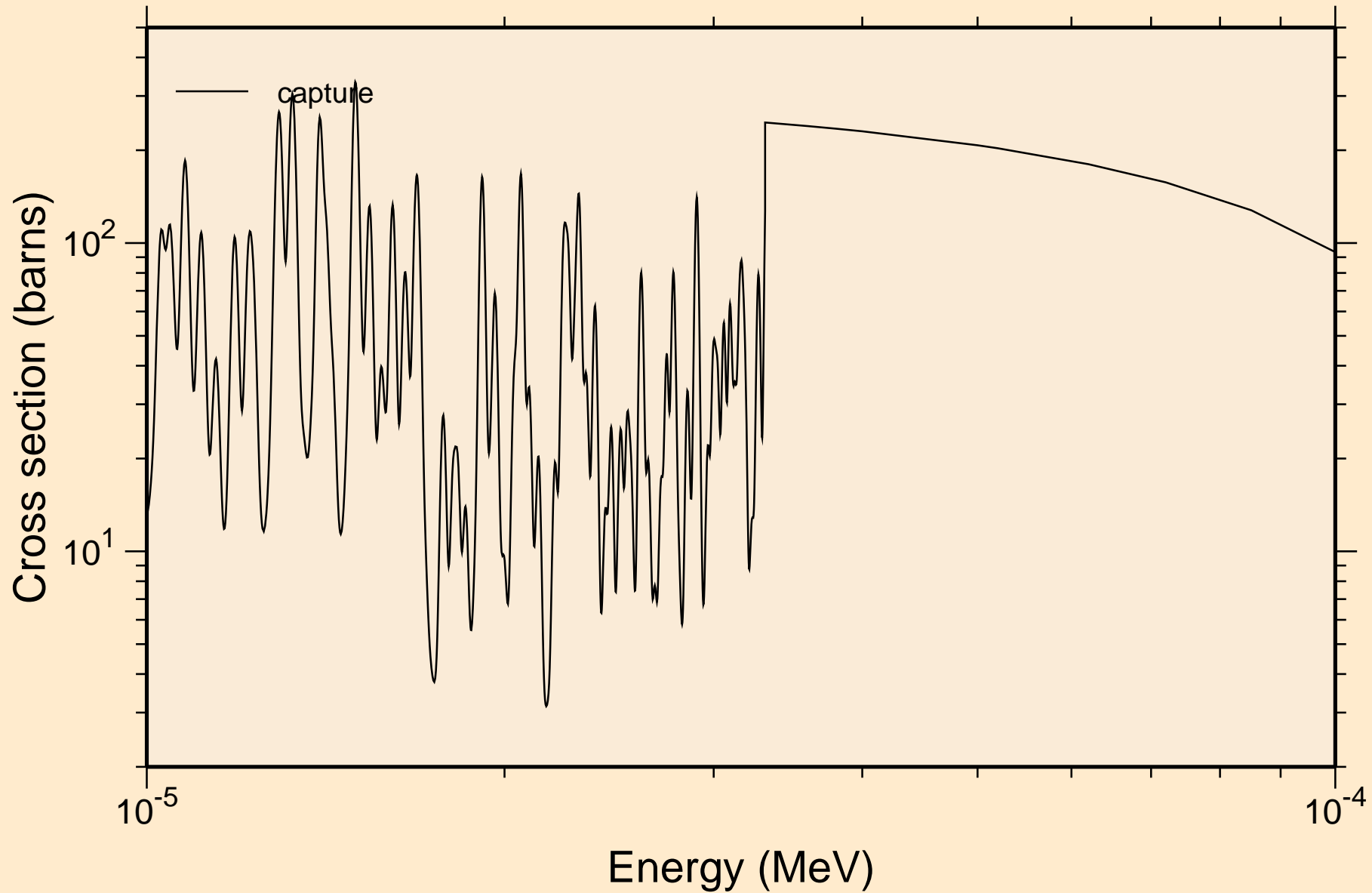
IR179 NRG TENDL-2015, AKONING  
resonance absorption cross sections



IR179 NRG TENDL-2015, AKONING  
resonance absorption cross sections

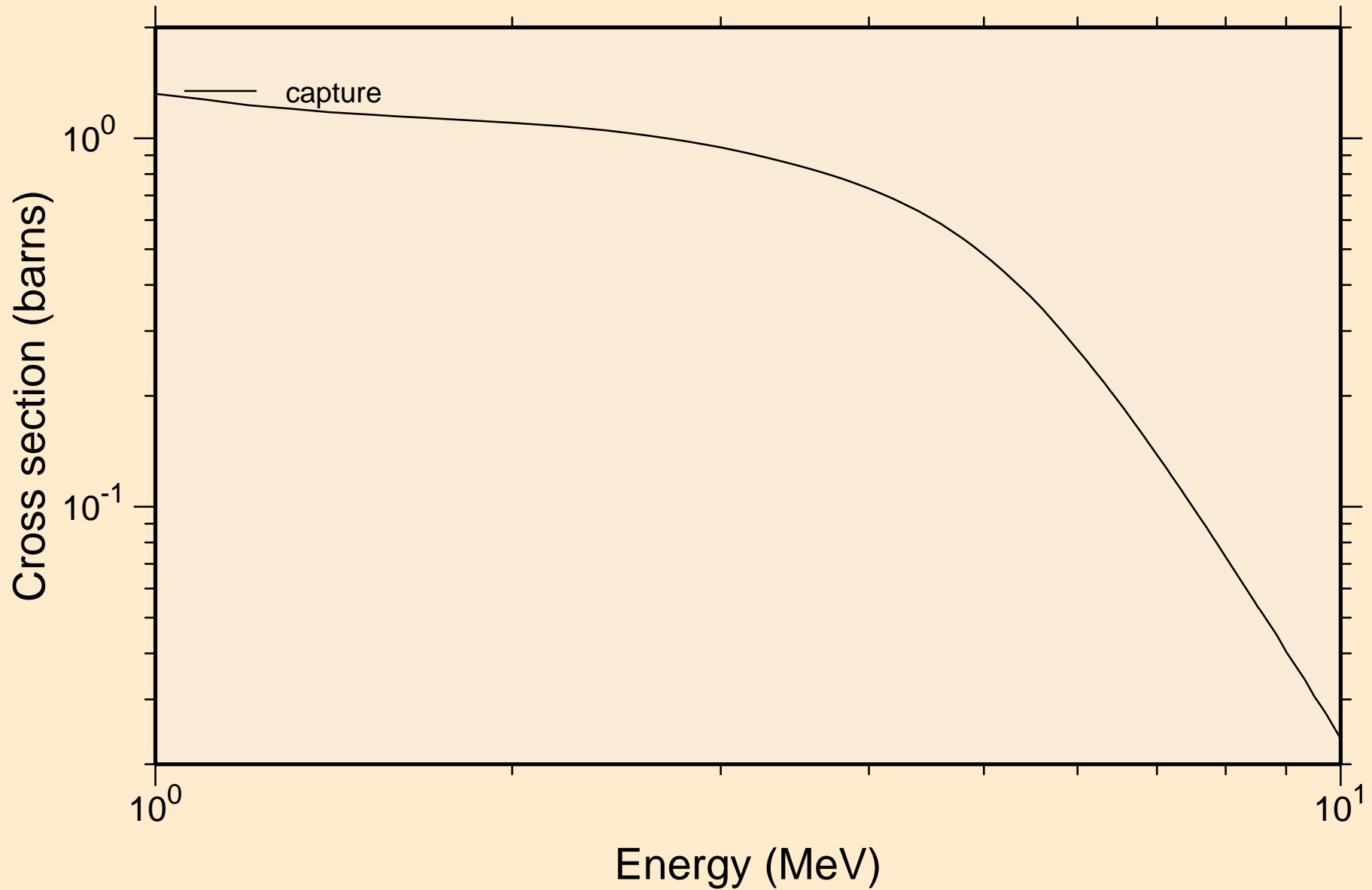


IR179 NRG TENDL-2015, AKONING  
resonance absorption cross sections



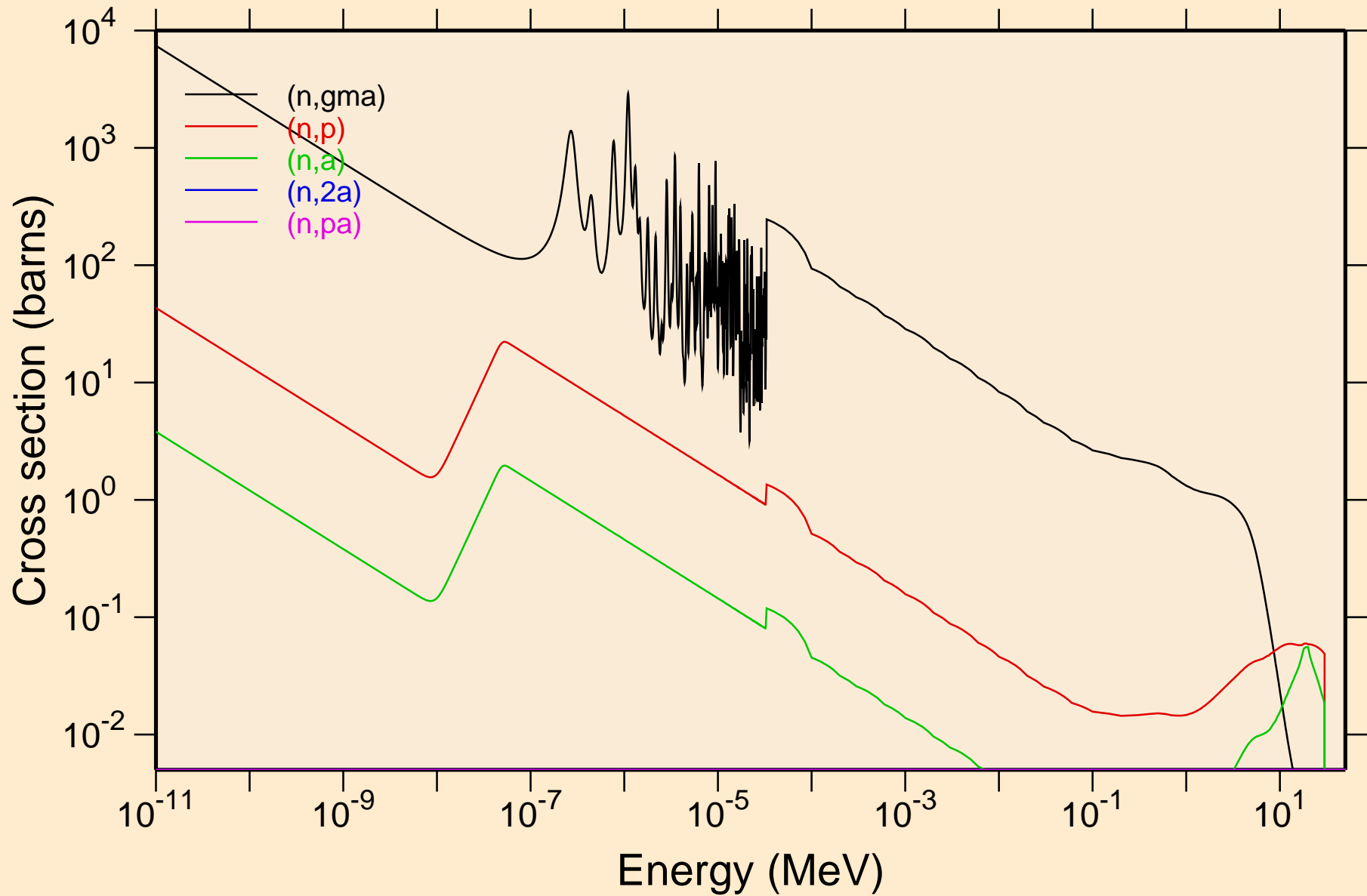


IR179 NRG TENDL-2015, AKONING  
resonance absorption cross sections



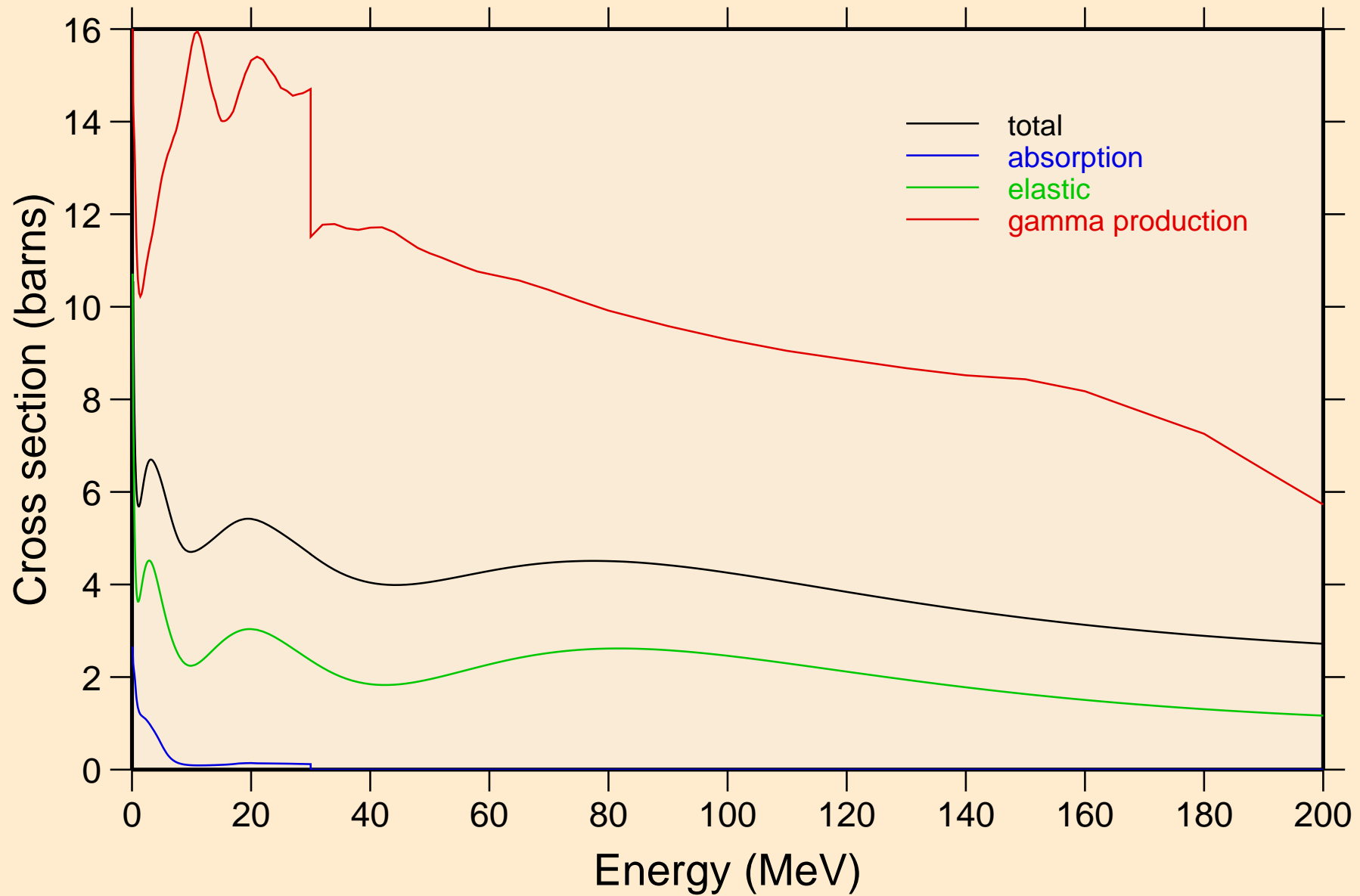
# IR179 NRG TENDL-2015, AKONING

## Non-threshold reactions



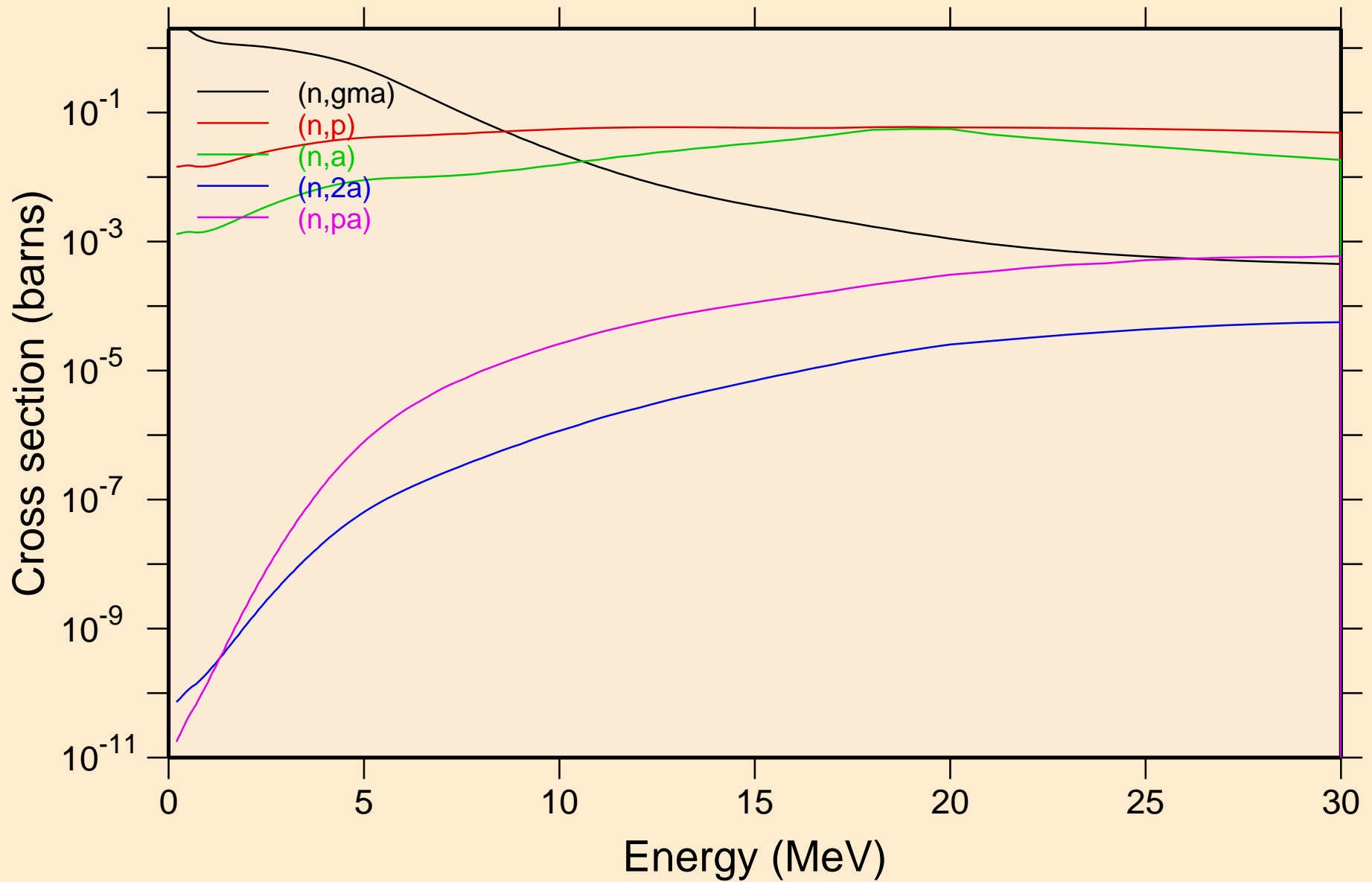
# IR179 NRG TENDL-2015, AKONING

## Principal cross sections



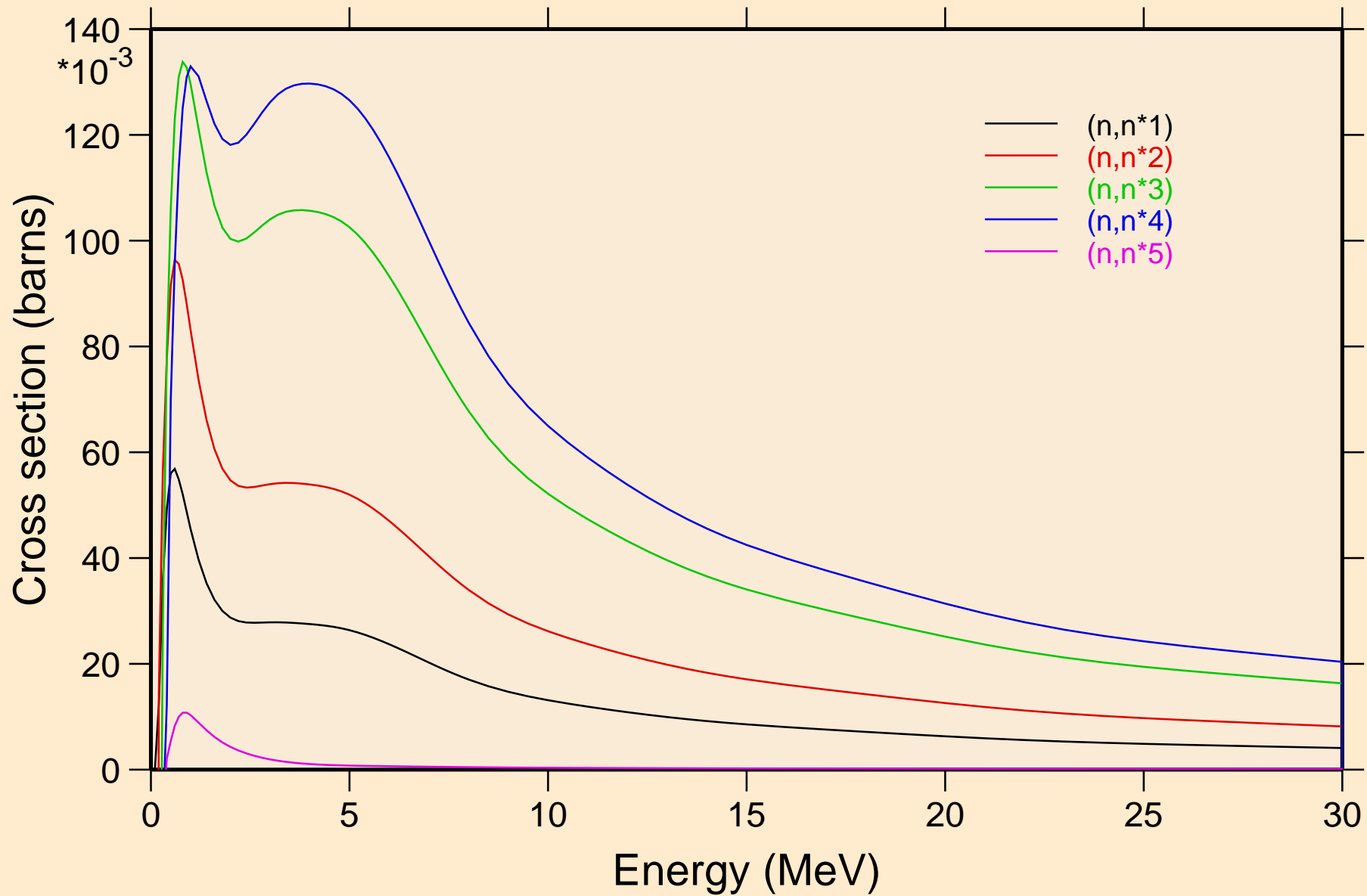
# IR179 NRG TENDL-2015, AKONING

## Non-threshold reactions



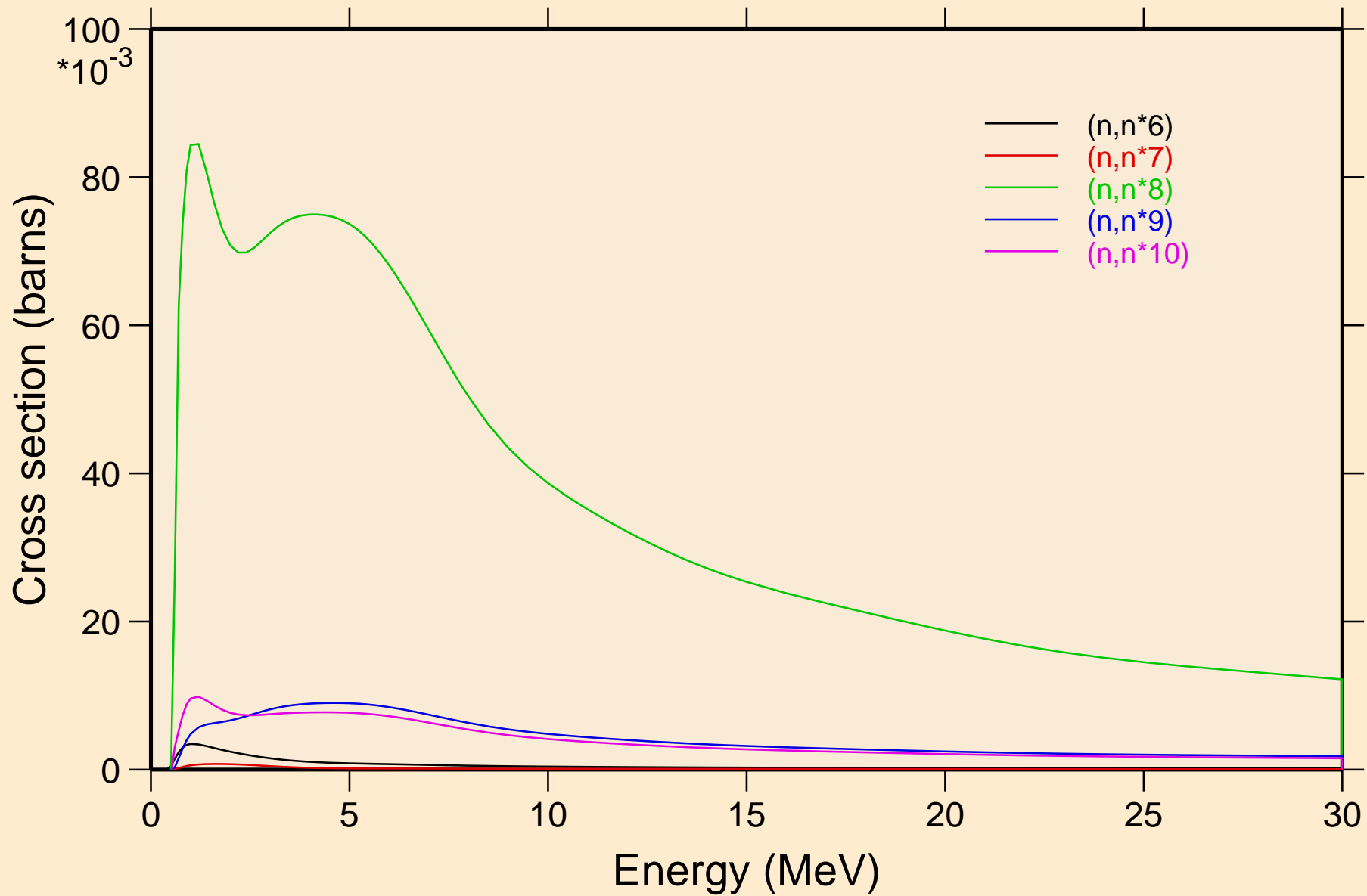
# IR179 NRG TENDL-2015, AKONING

## Inelastic levels



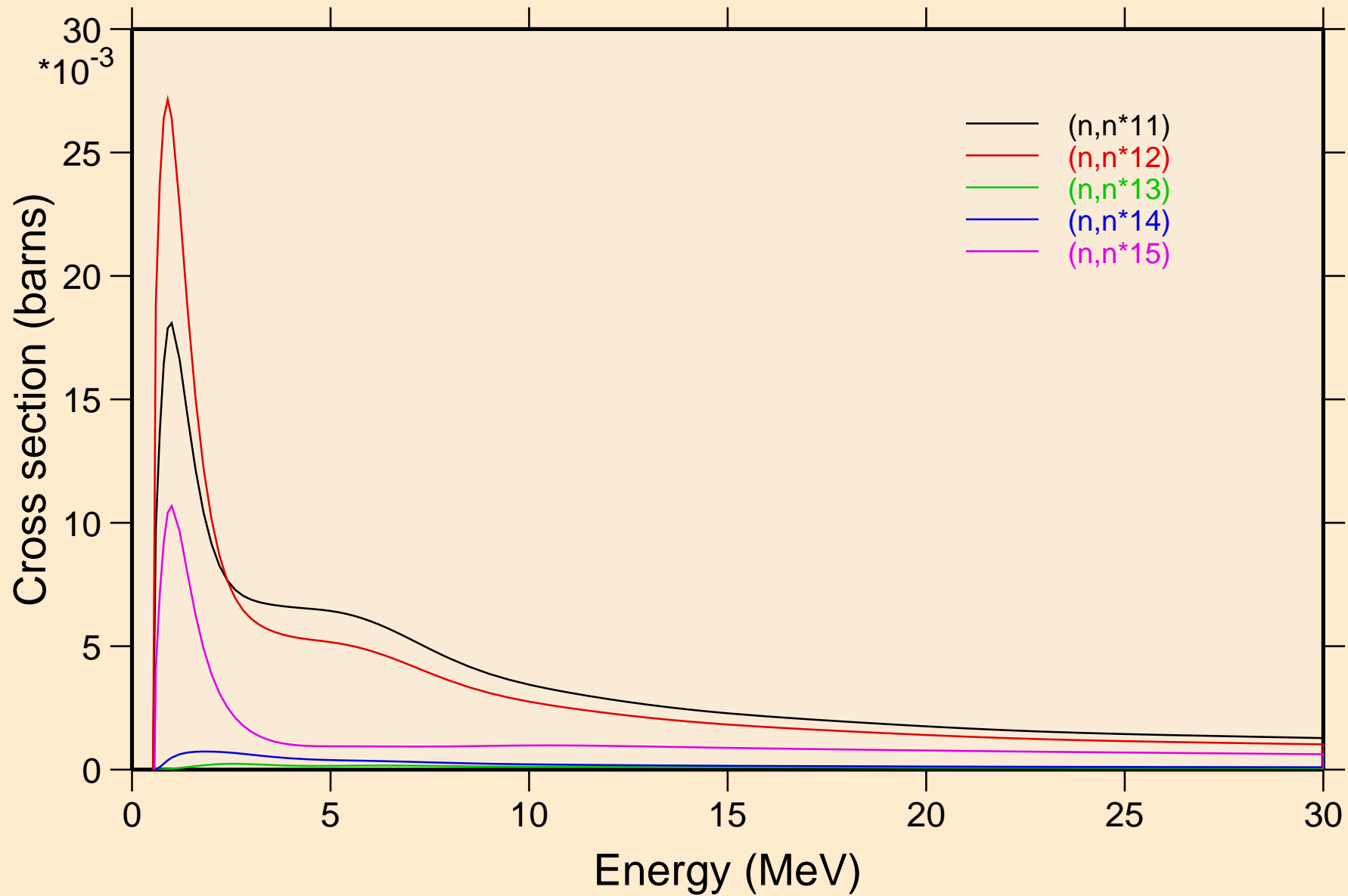
# IR179 NRG TENDL-2015, AKONING

## Inelastic levels

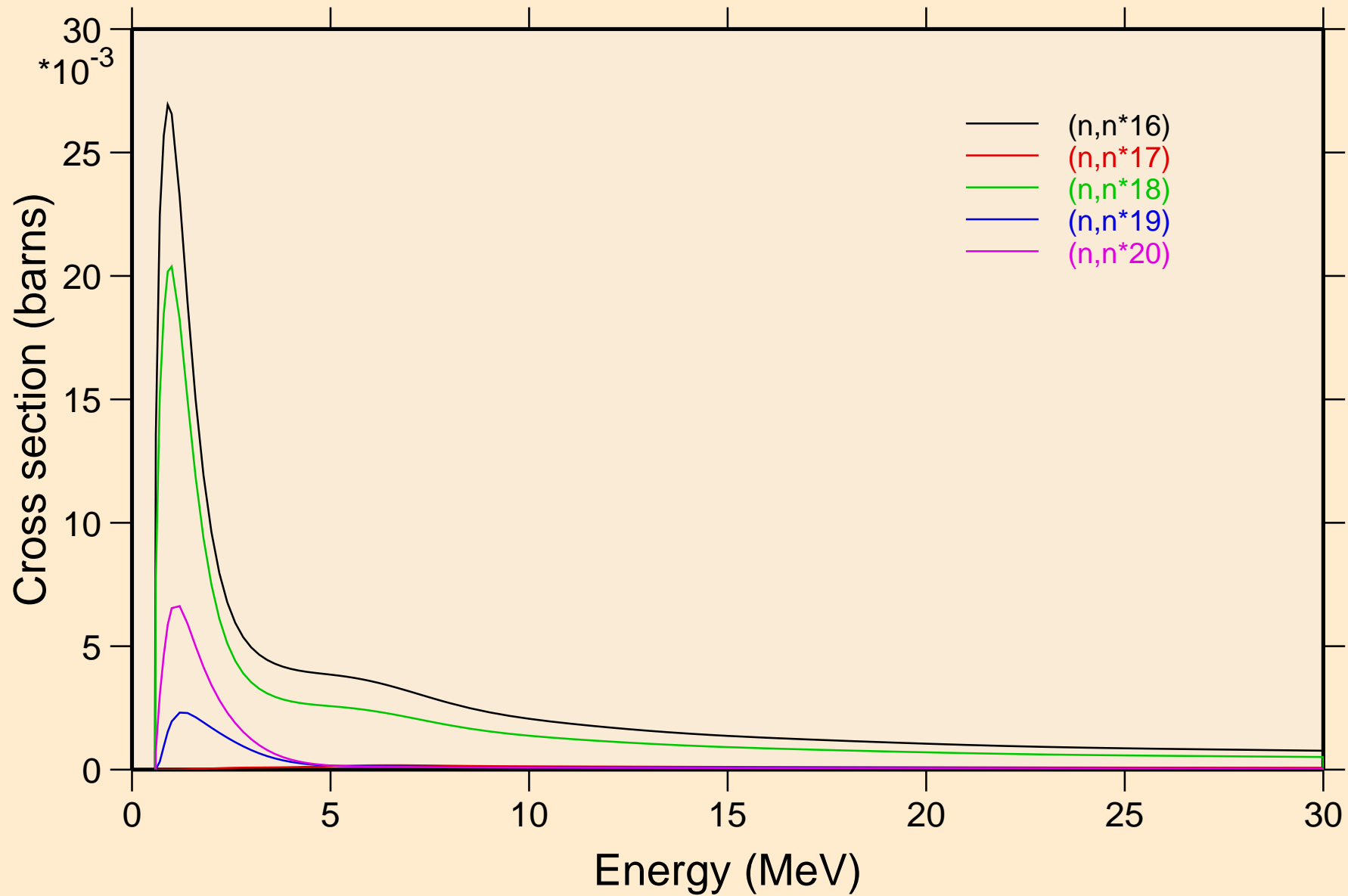


# IR179 NRG TENDL-2015, AKONING

## Inelastic levels



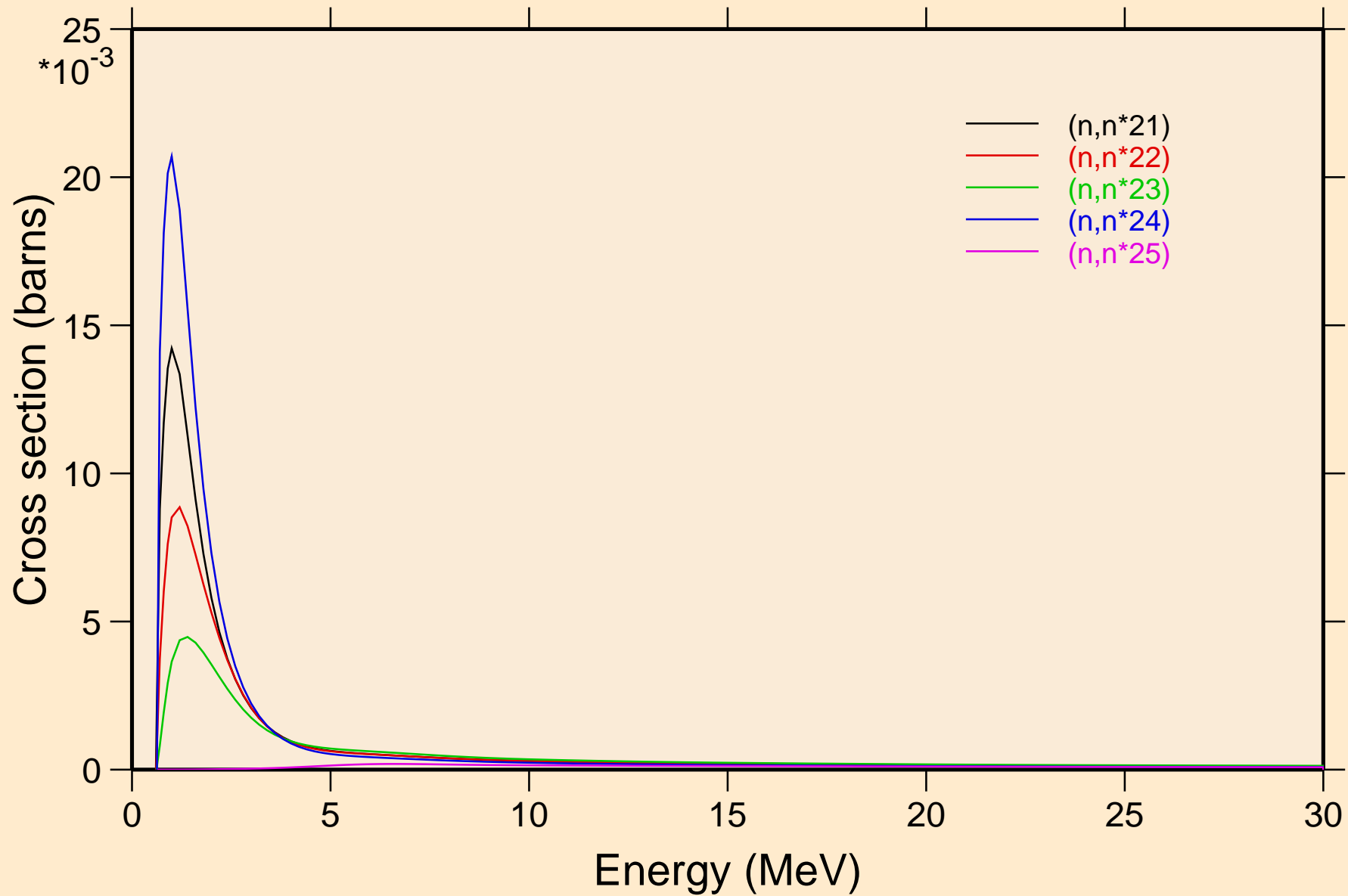
IR179 NRG TENDL-2015, AKONING  
Inelastic levels



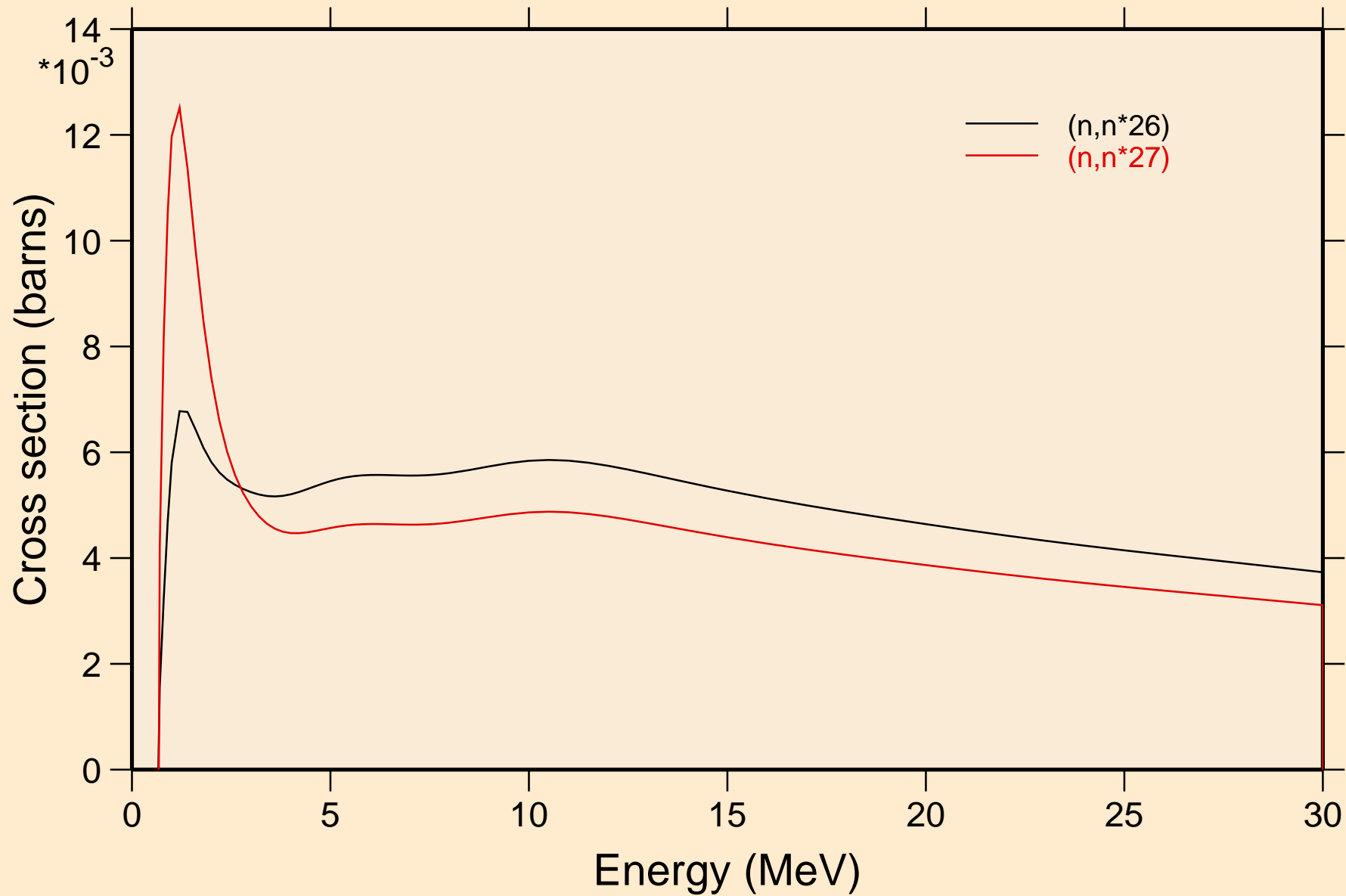


# IR179 NRG TENDL-2015, AKONING

## Inelastic levels

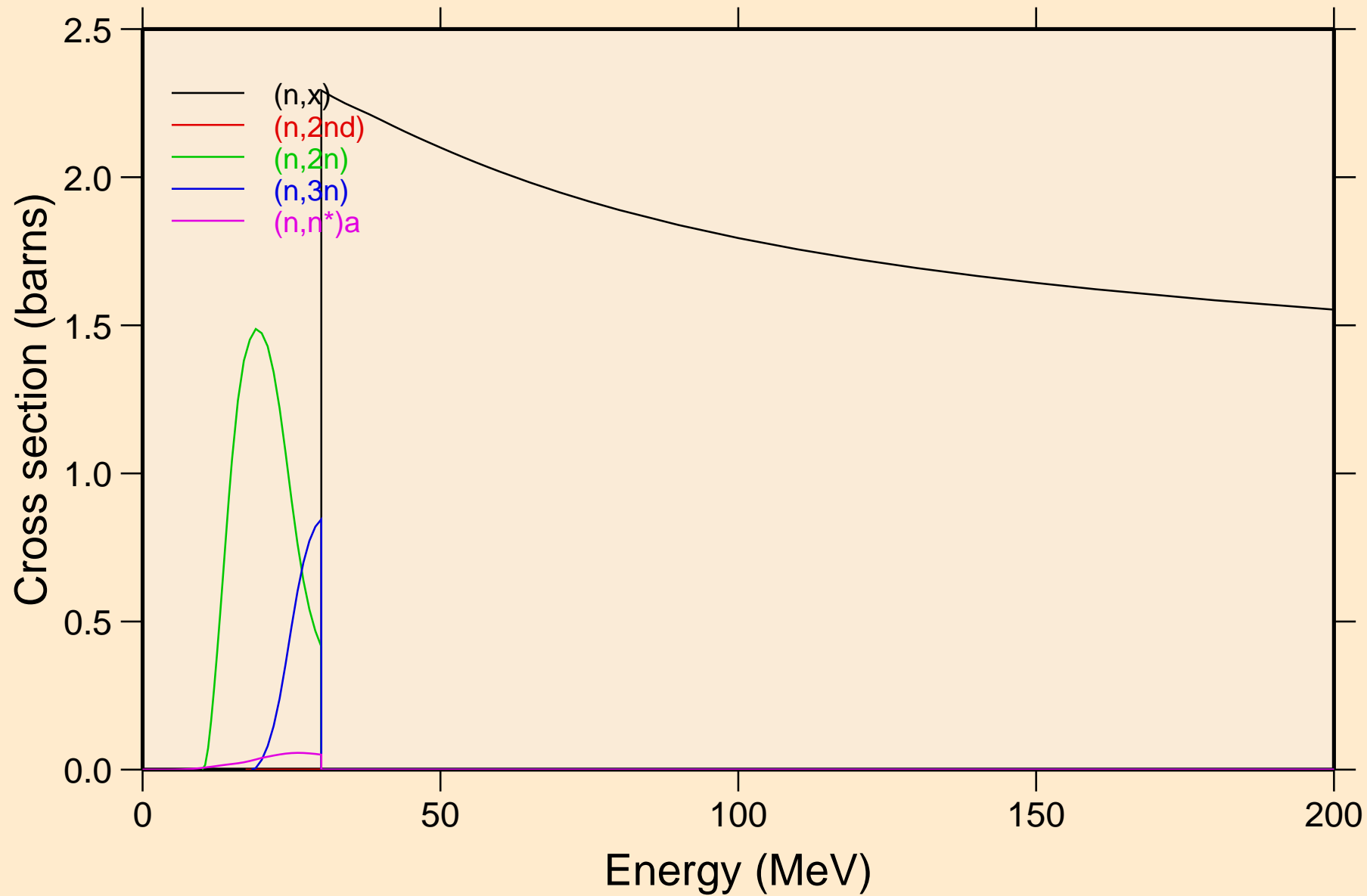


IR179 NRG TENDL-2015, AKONING  
Inelastic levels



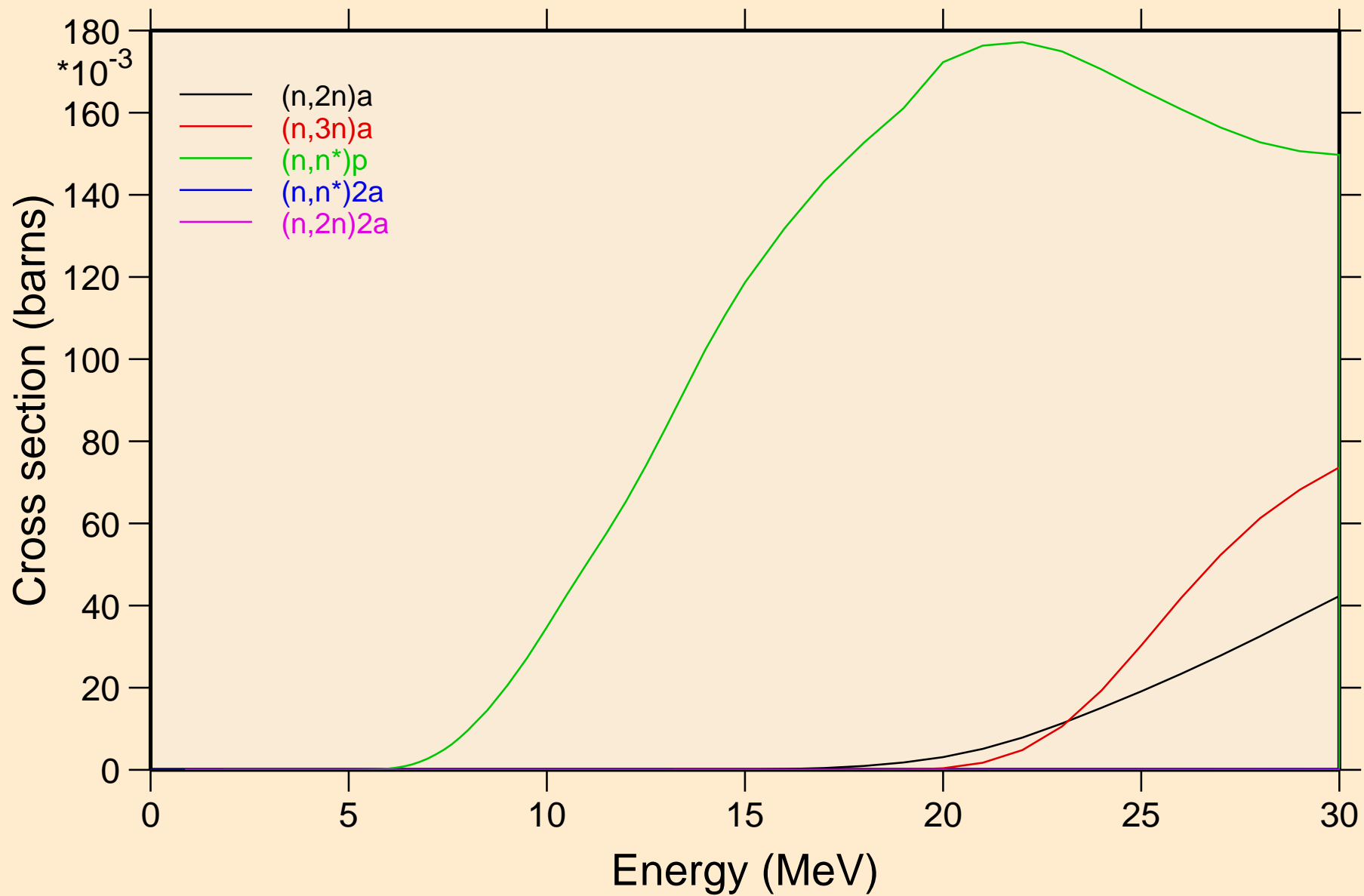
# IR179 NRG TENDL-2015, AKONING

## Threshold reactions



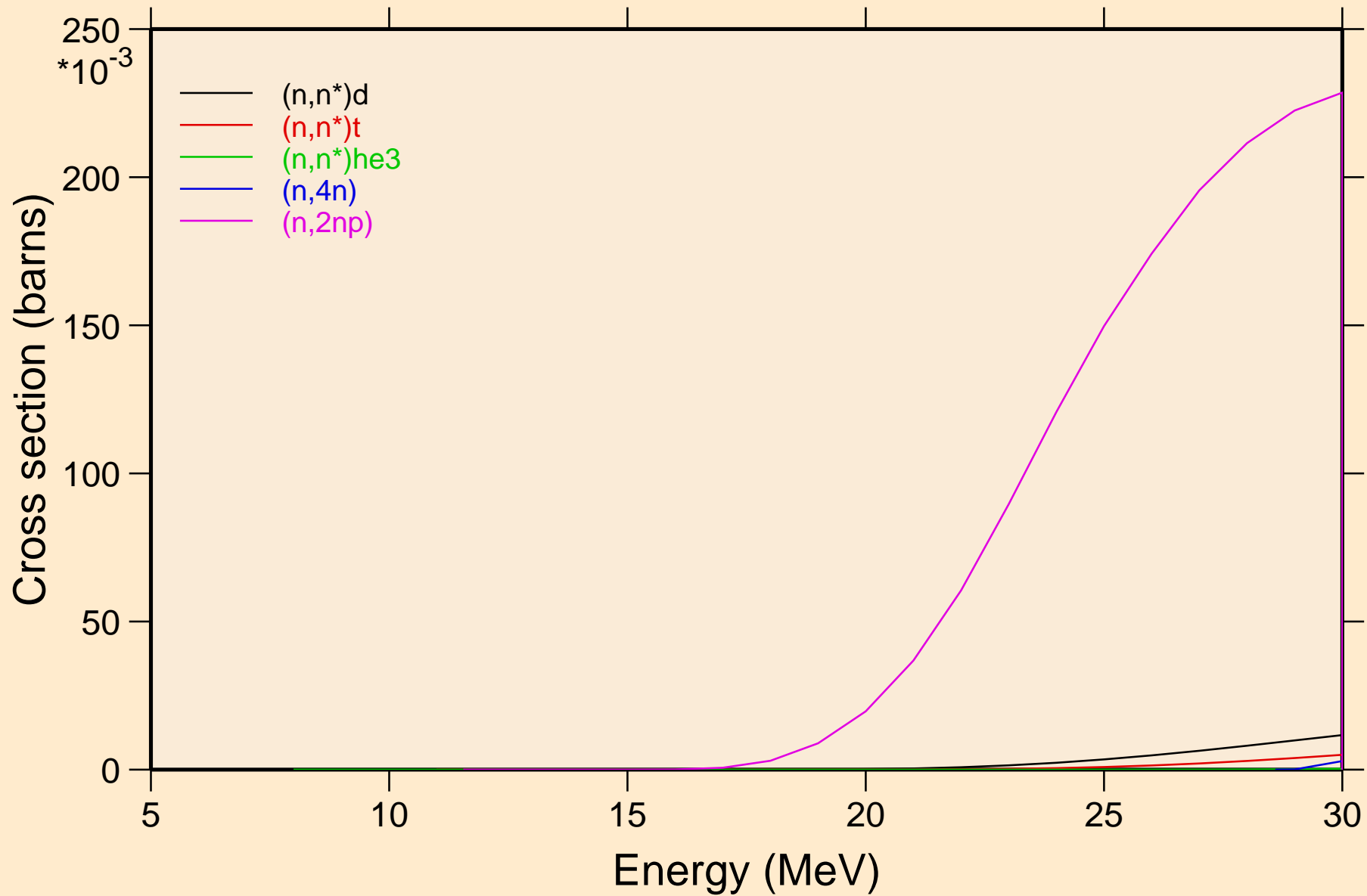
# IR179 NRG TENDL-2015, AKONING

## Threshold reactions



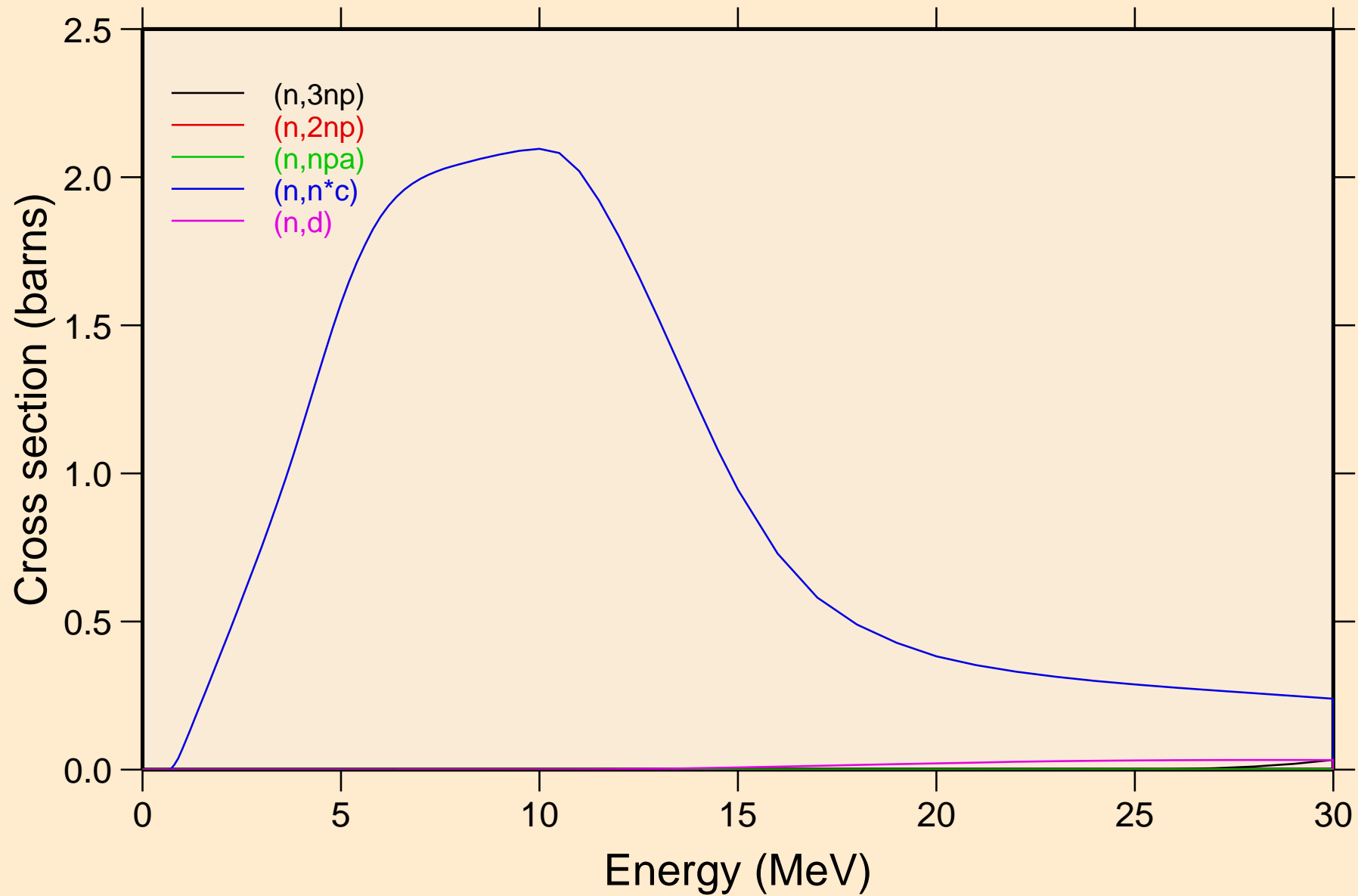
# IR179 NRG TENDL-2015, AKONING

## Threshold reactions



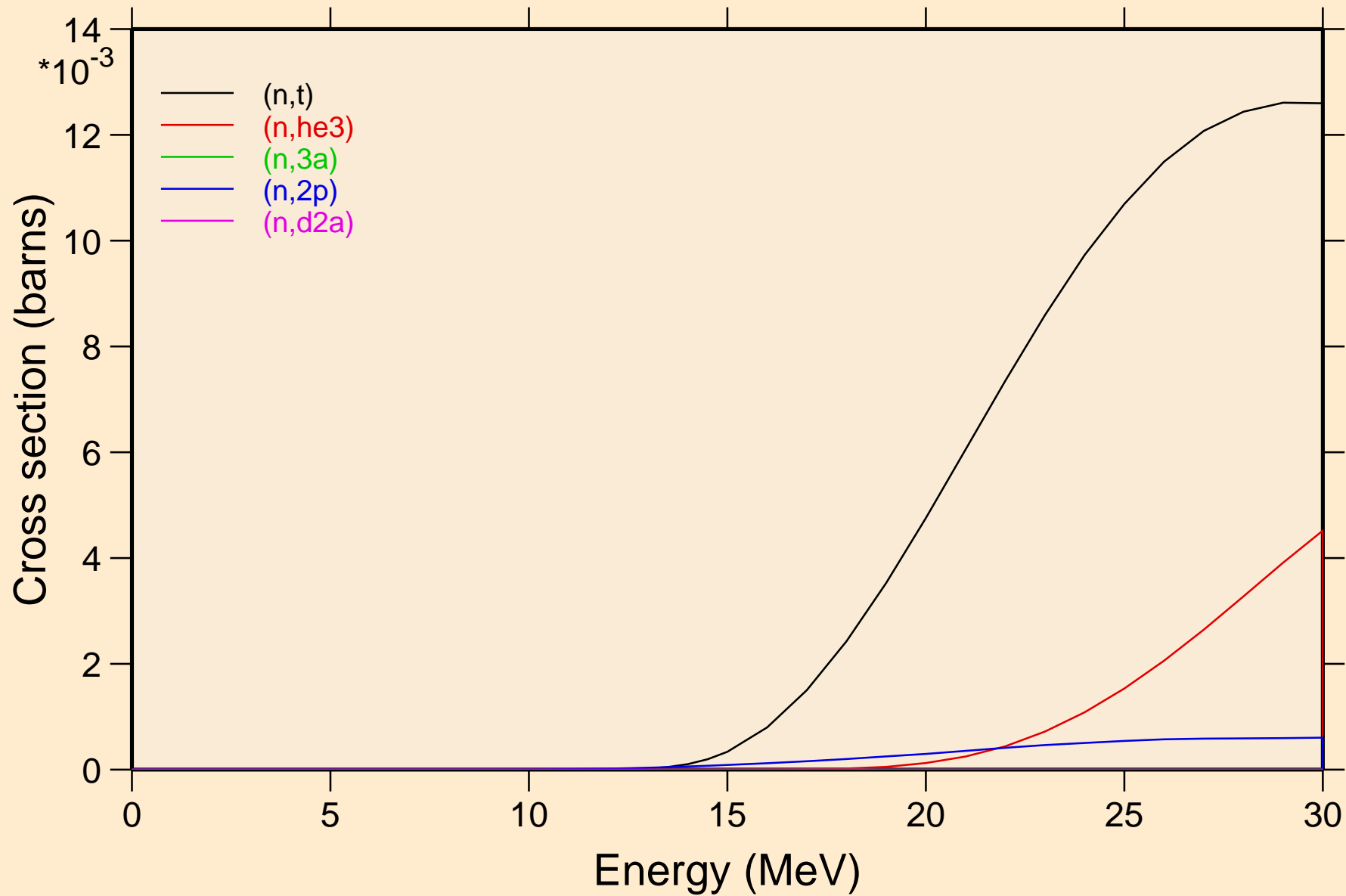
# IR179 NRG TENDL-2015, AKONING

## Threshold reactions



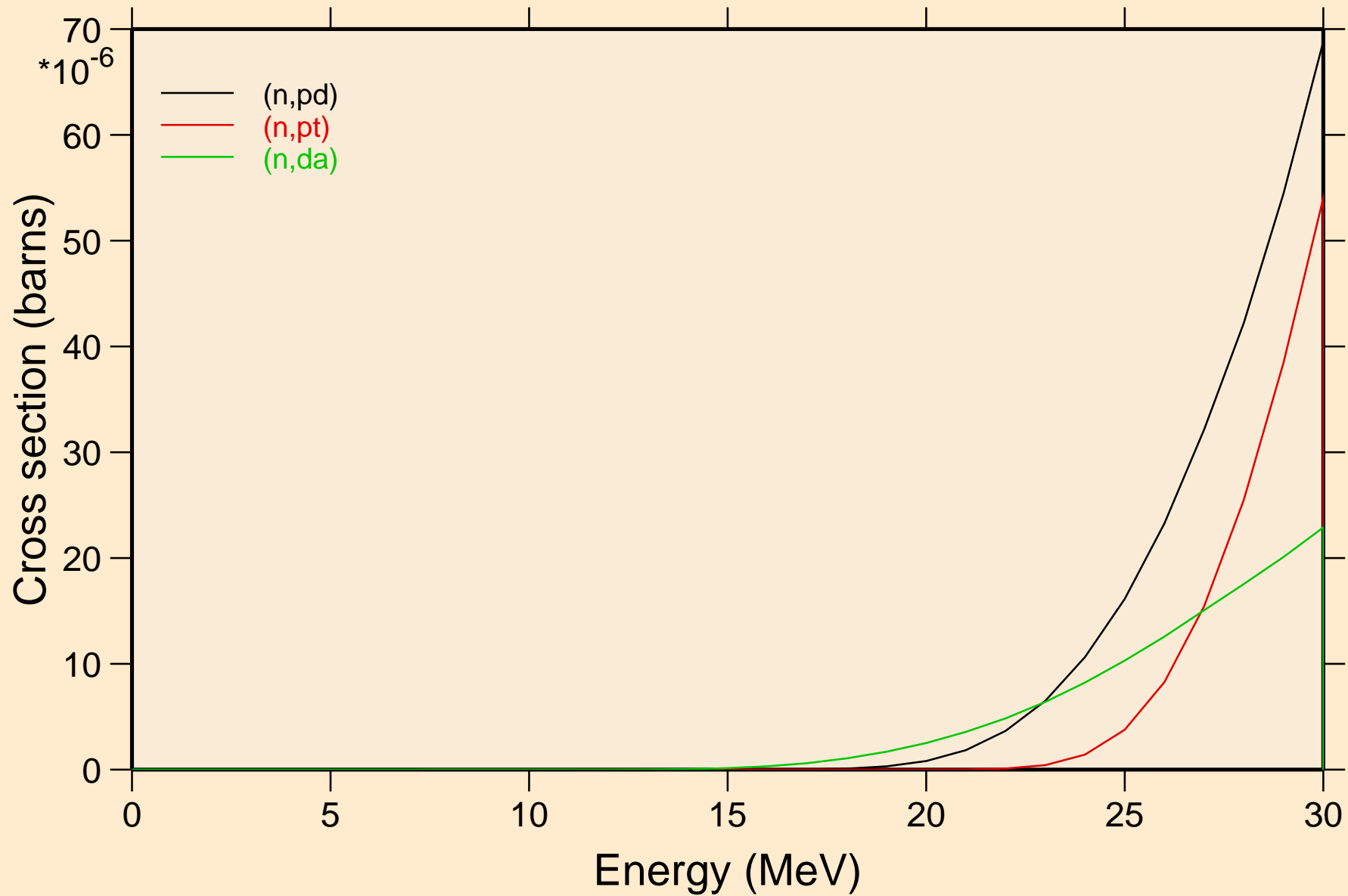
# IR179 NRG TENDL-2015, AKONING

## Threshold reactions



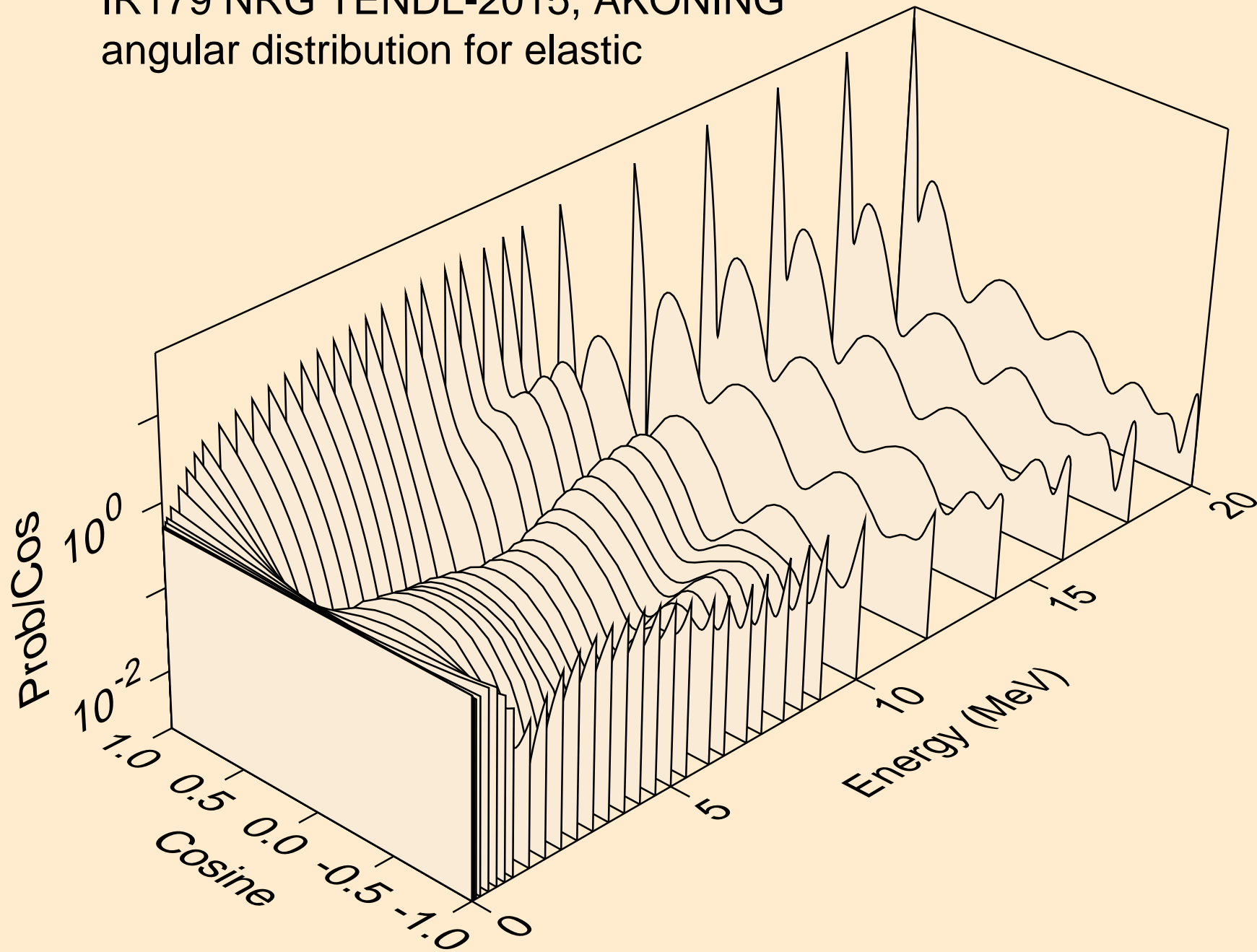
# IR179 NRG TENDL-2015, AKONING

## Threshold reactions

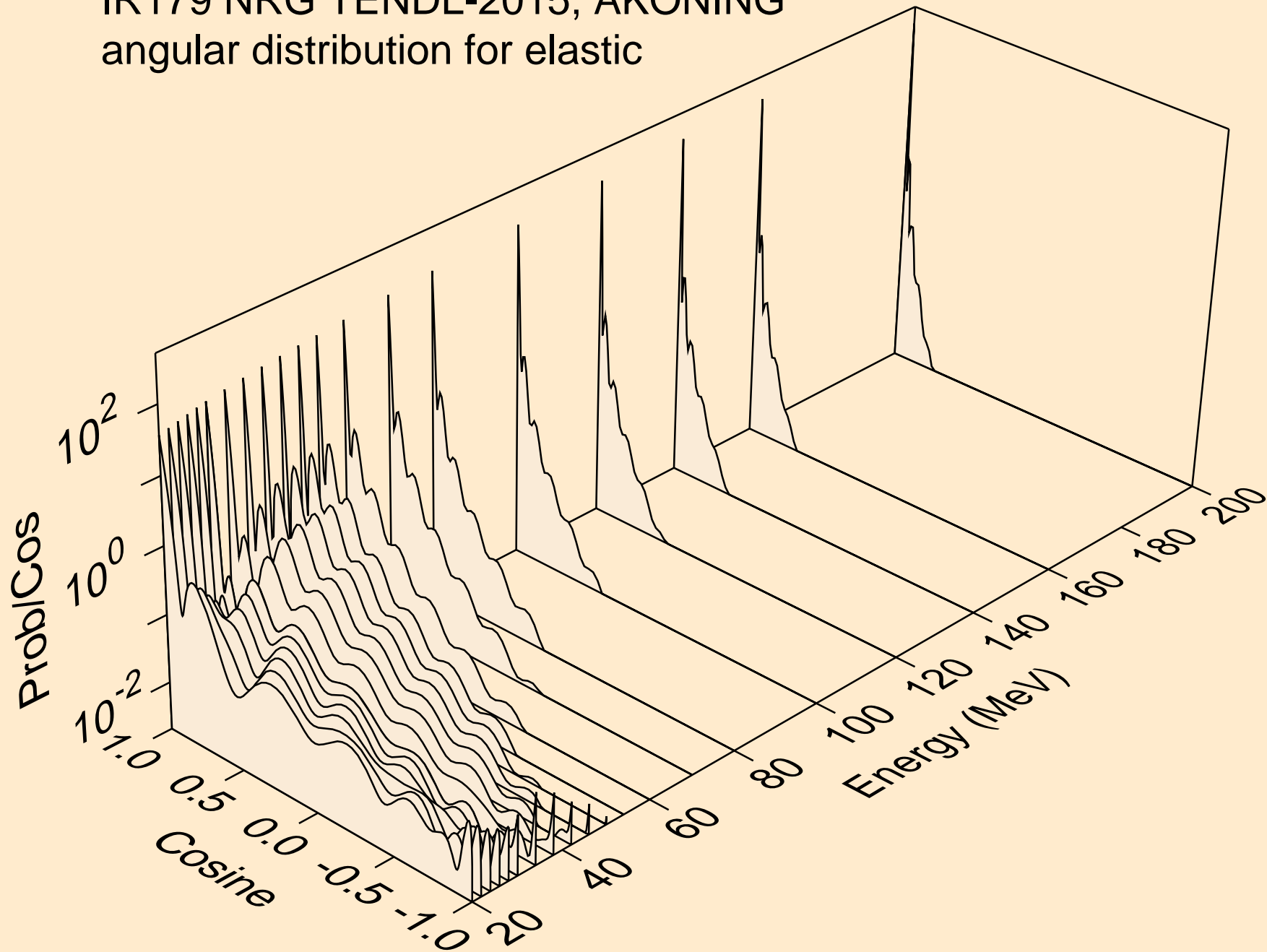




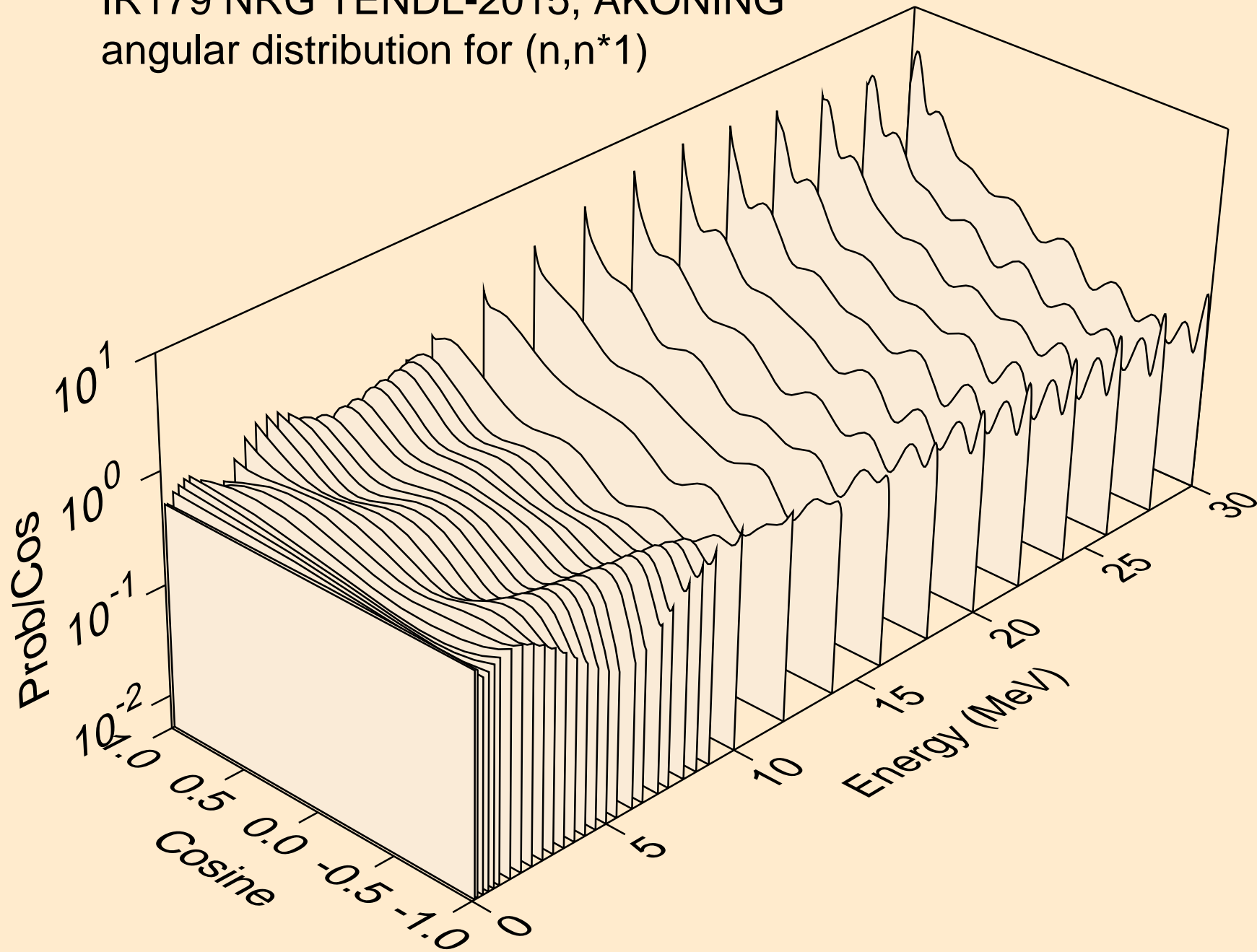
IR179 NRG TENDL-2015, AKONING  
angular distribution for elastic



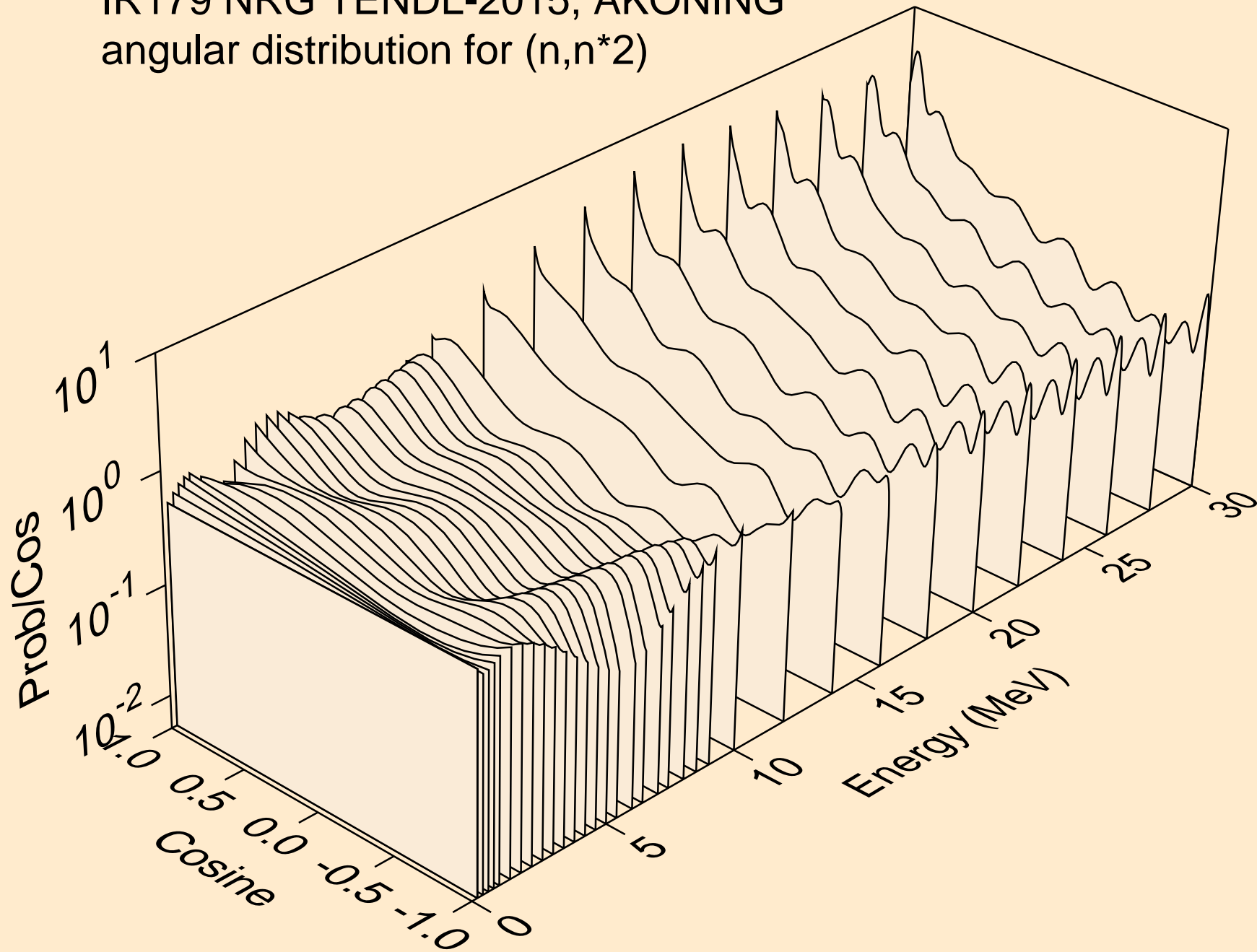
IR179 NRG TENDL-2015, AKONING  
angular distribution for elastic



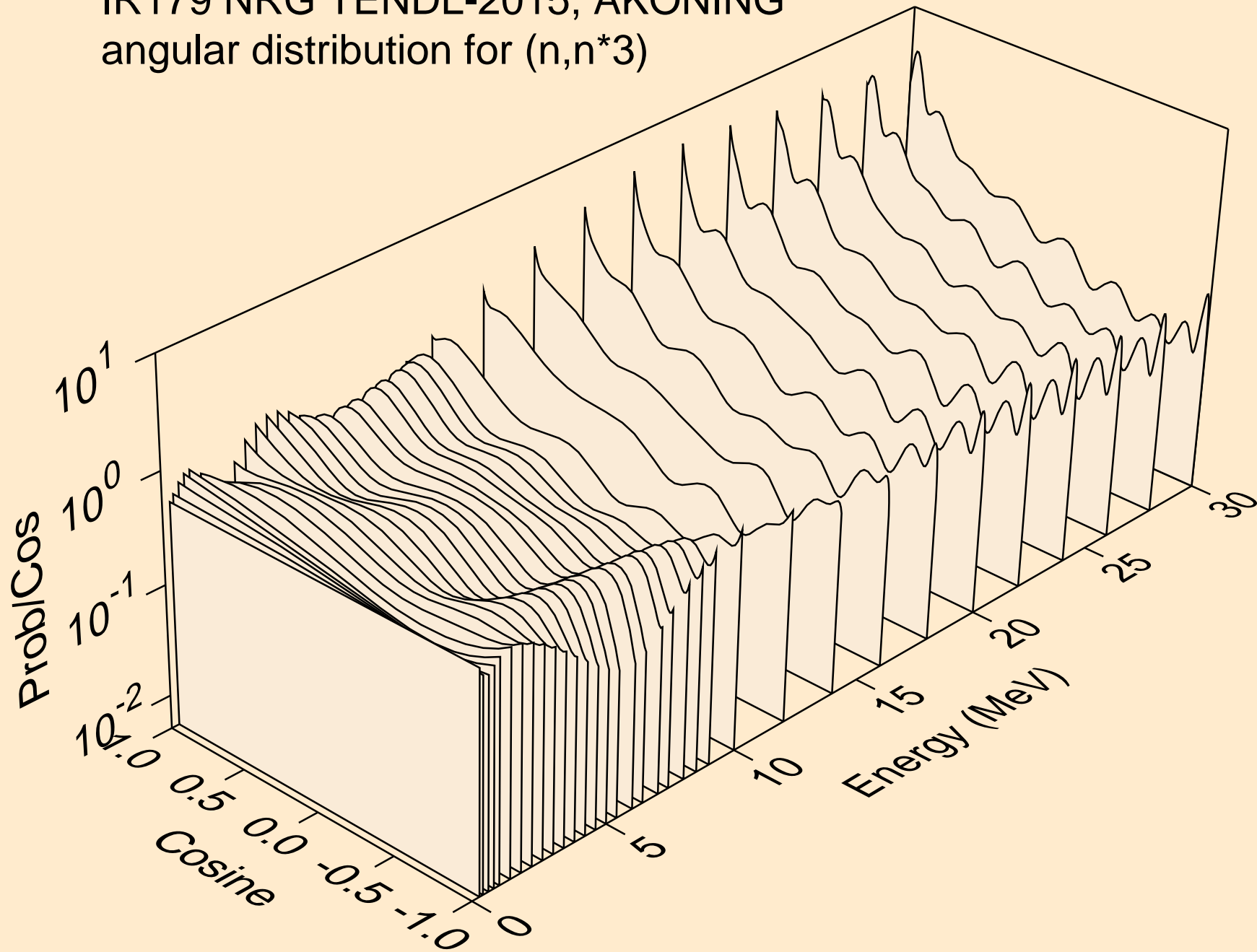
IR179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



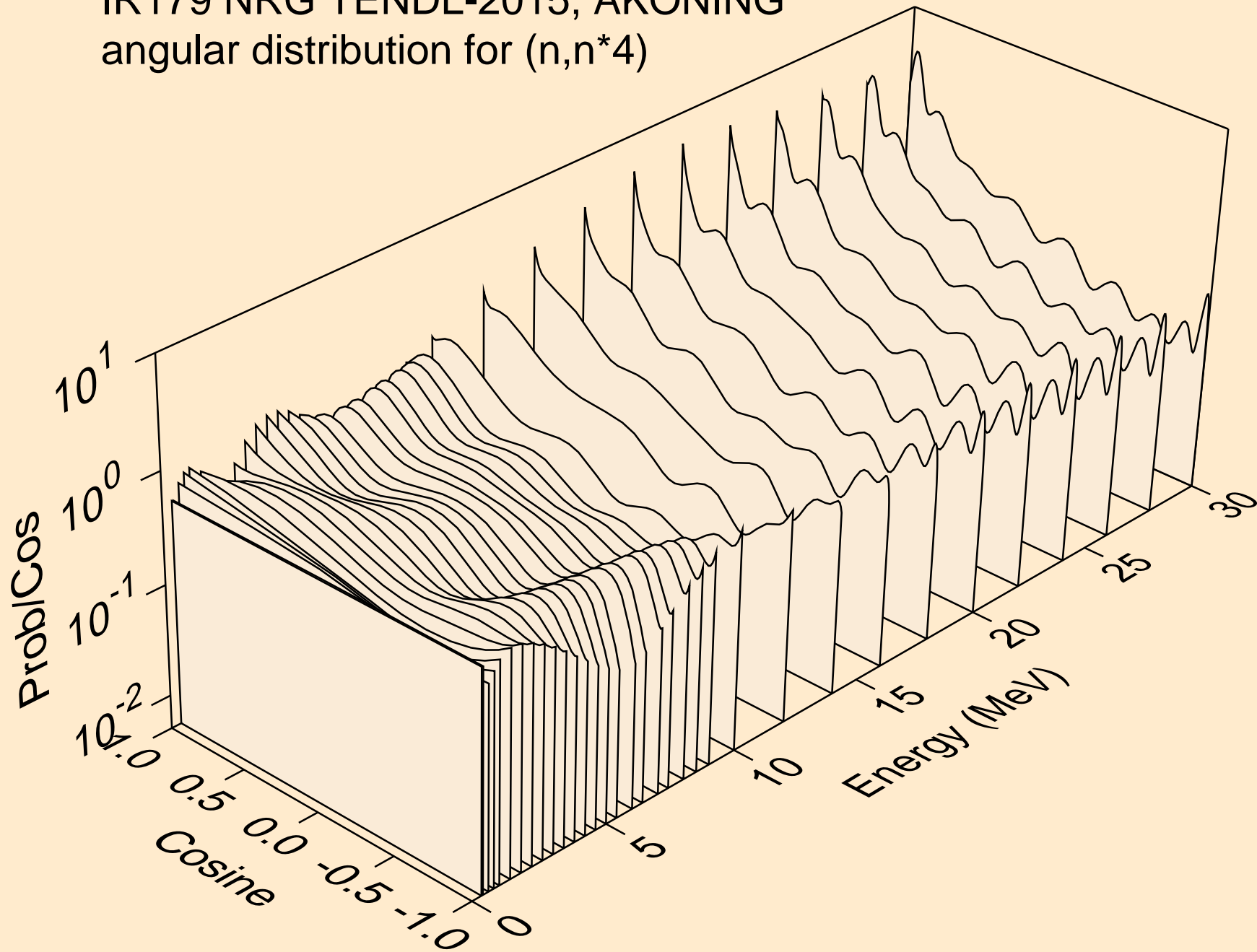
IR179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



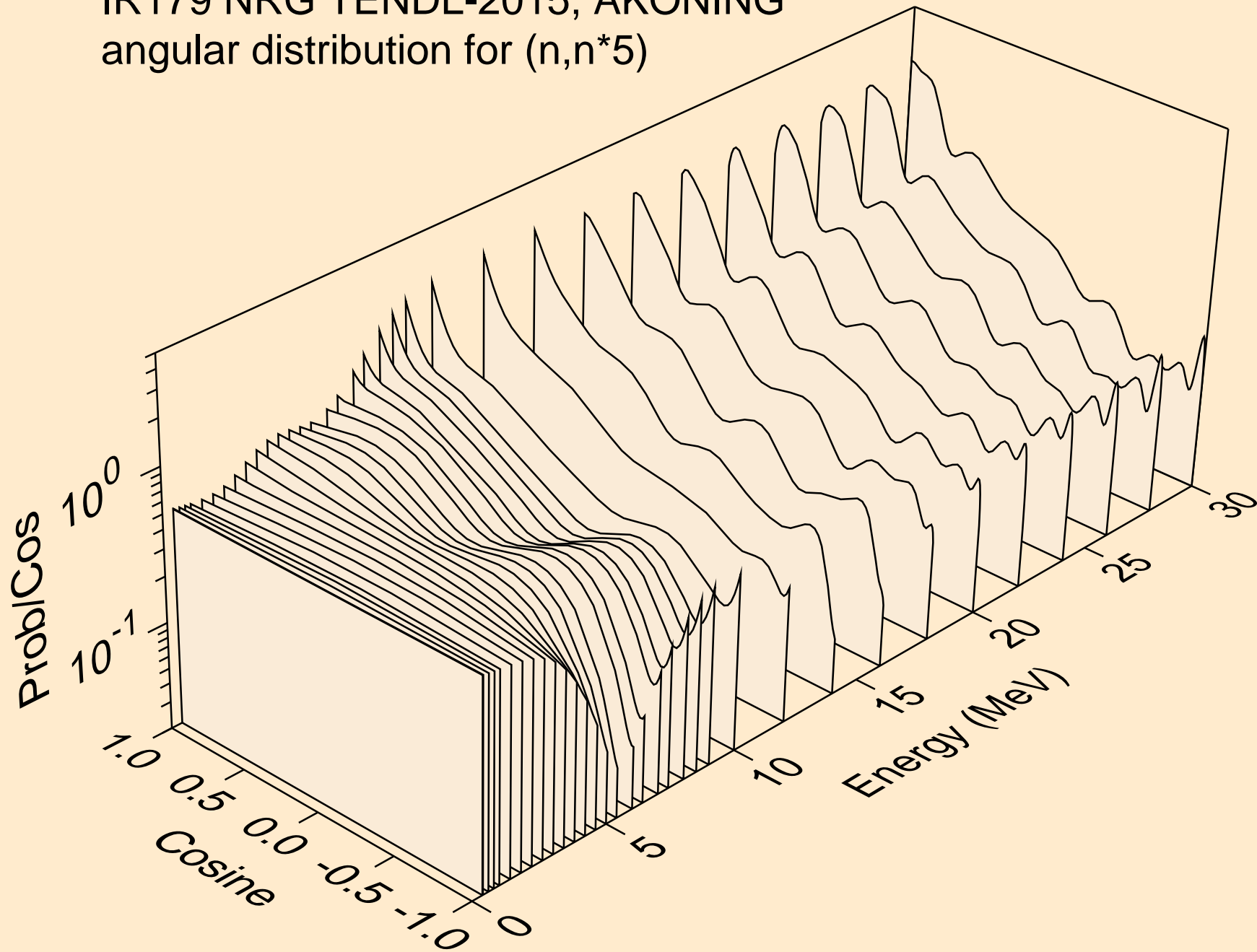
IR179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



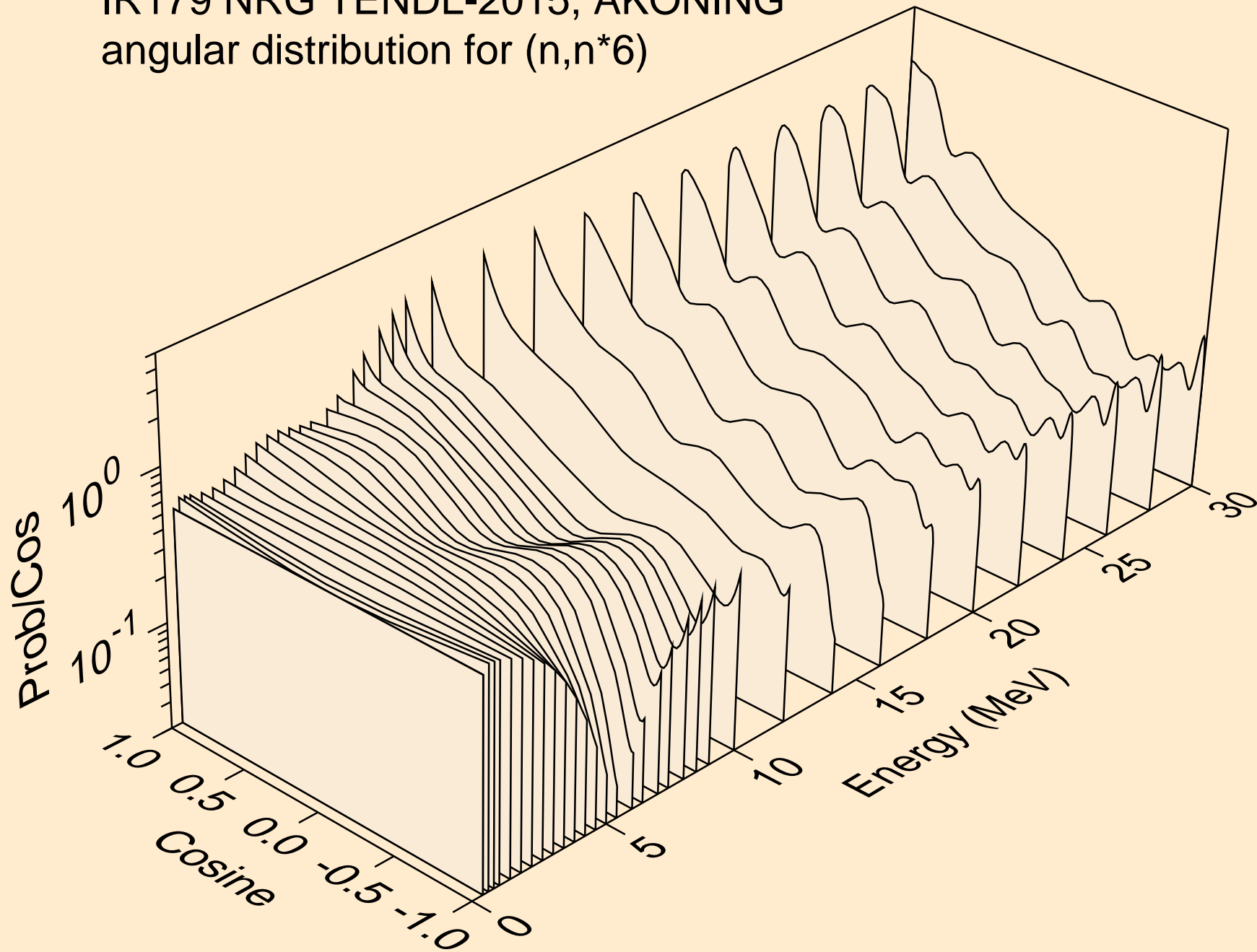
IR179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



IR179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)

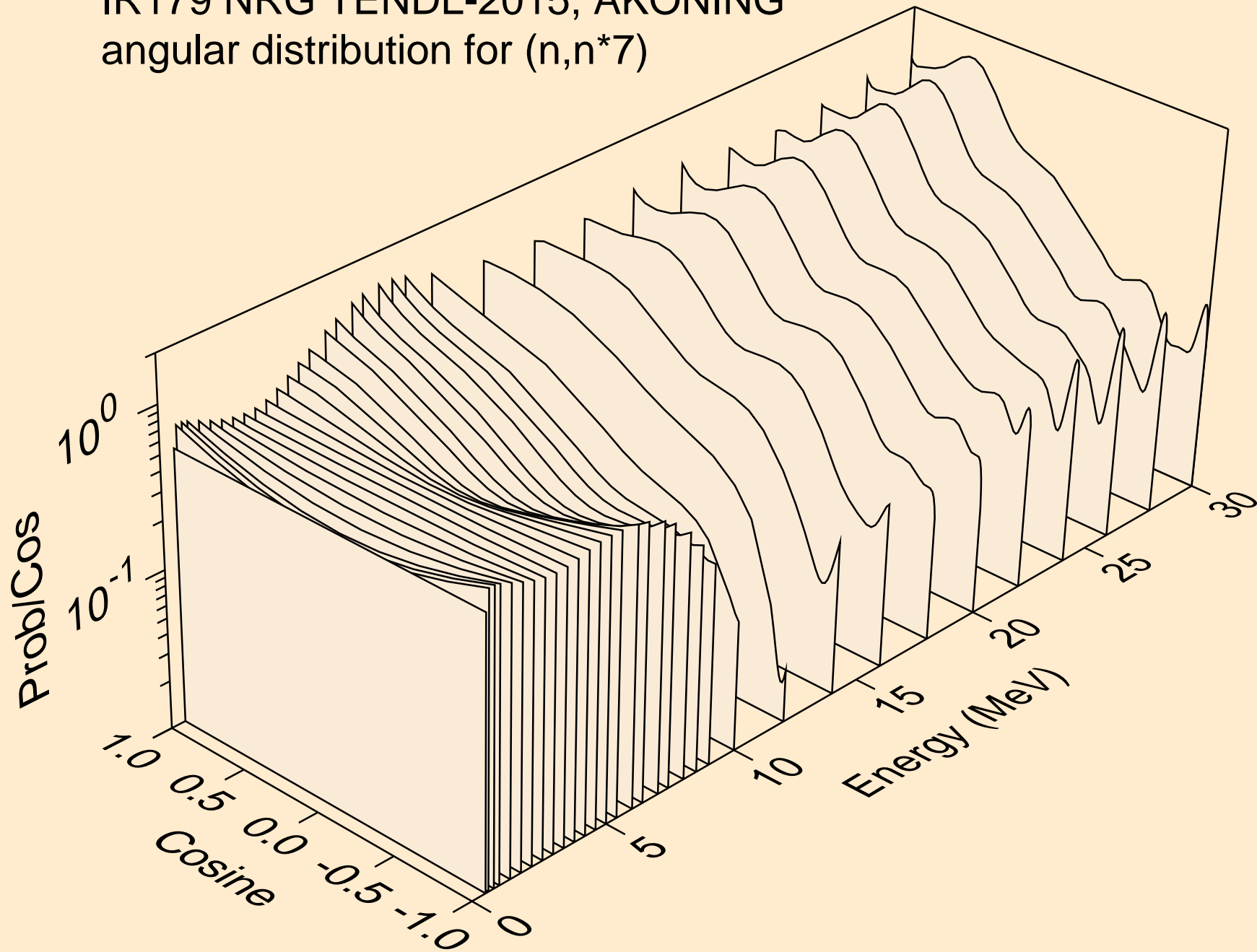


IR179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)

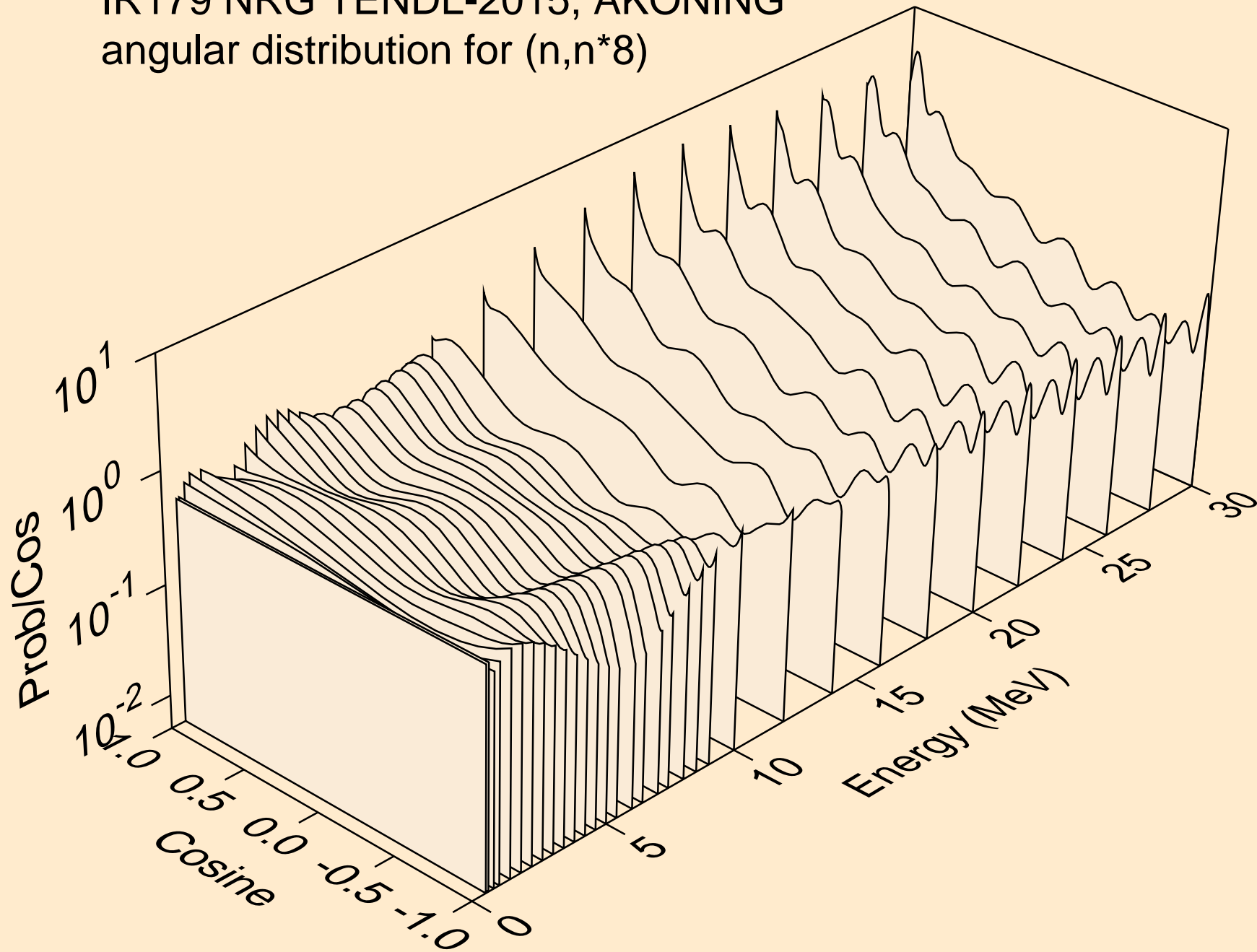




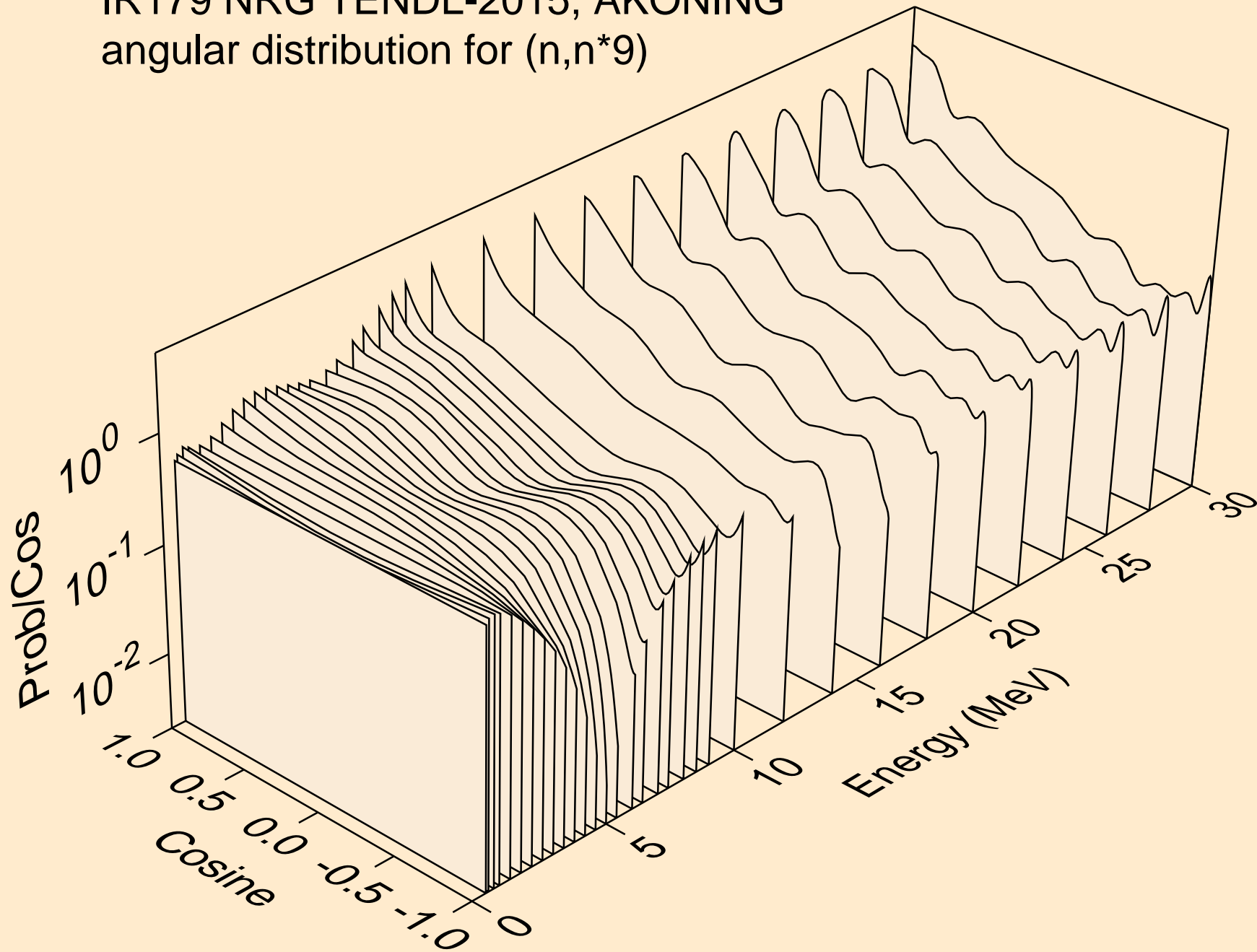
IR179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



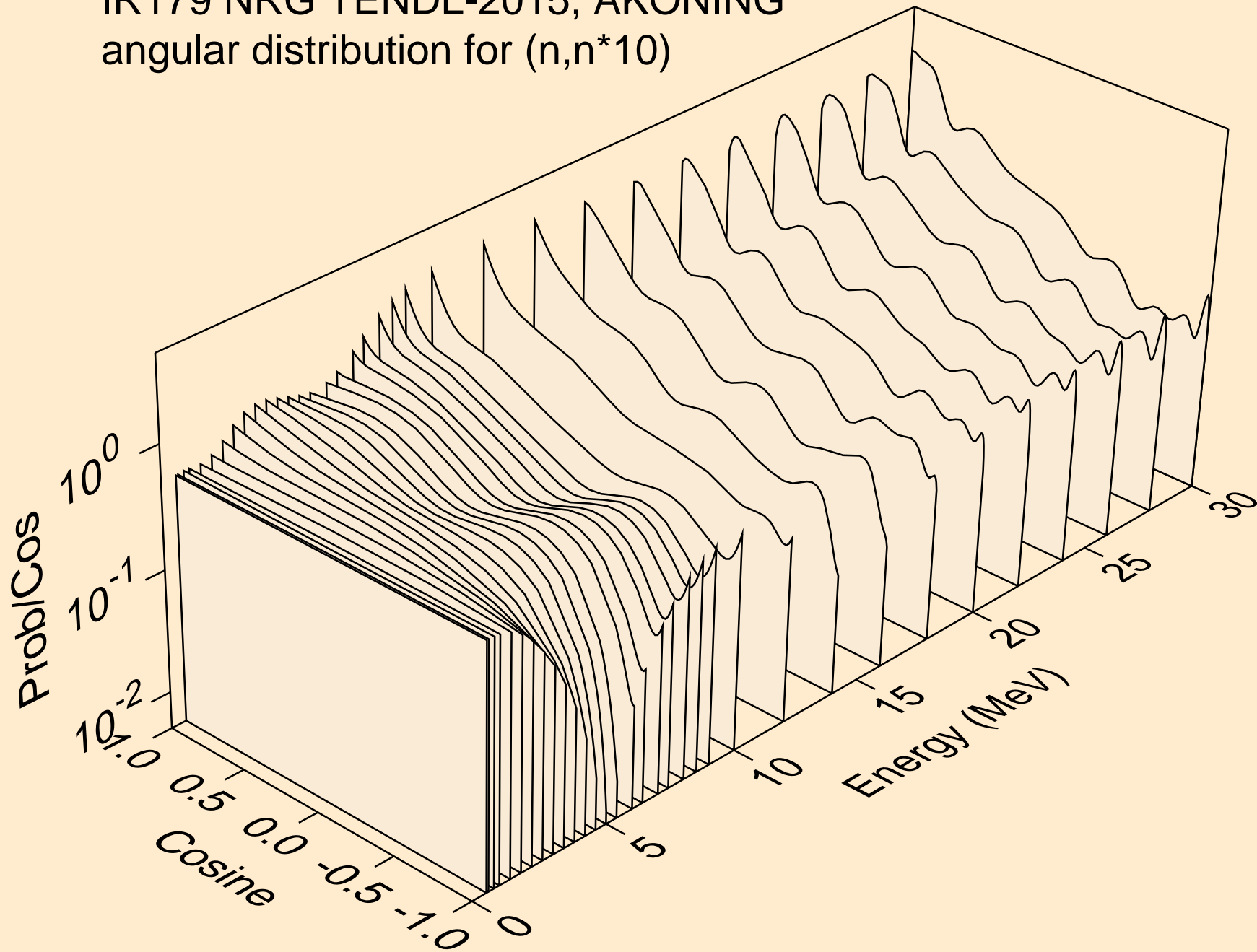
IR179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)



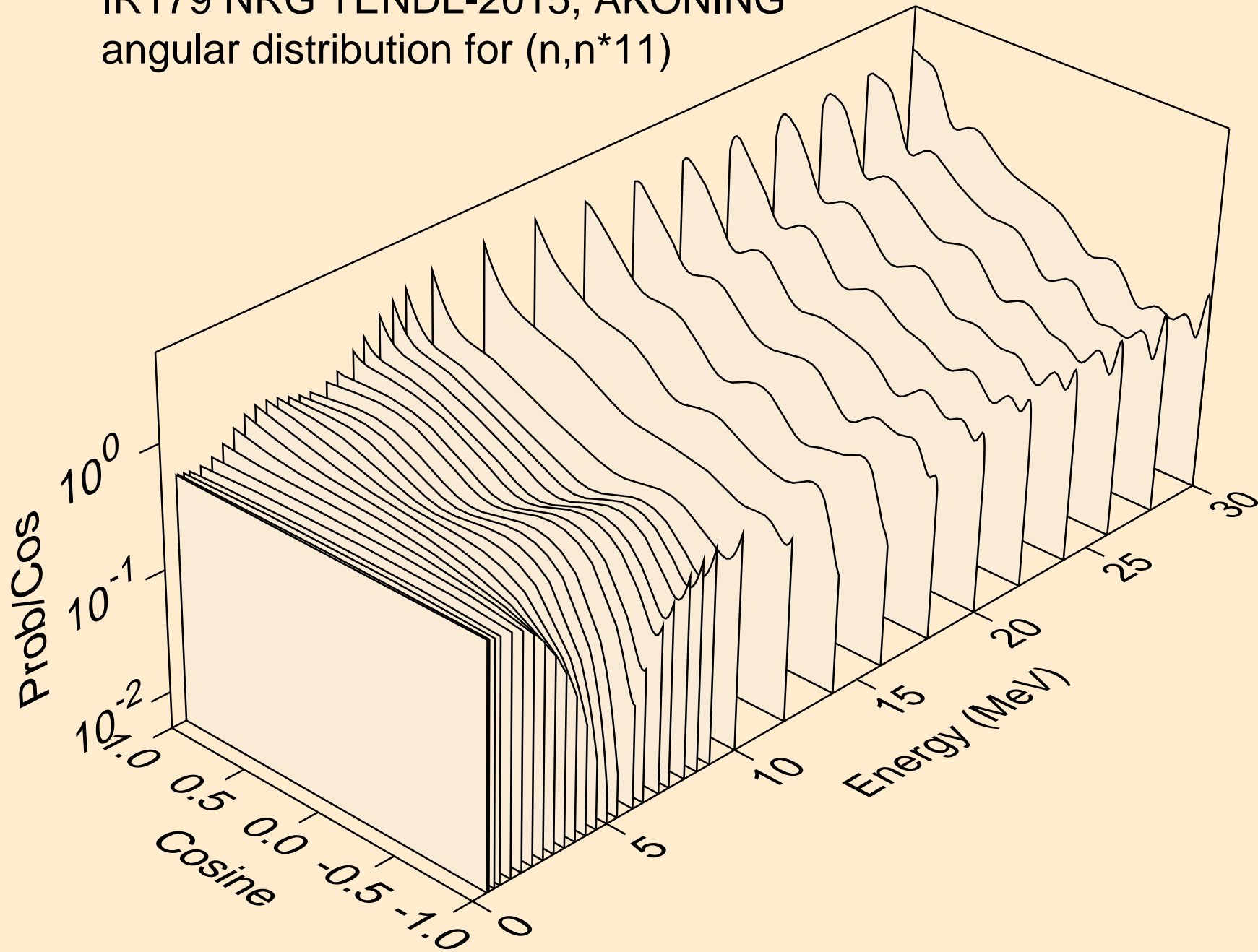
IR179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



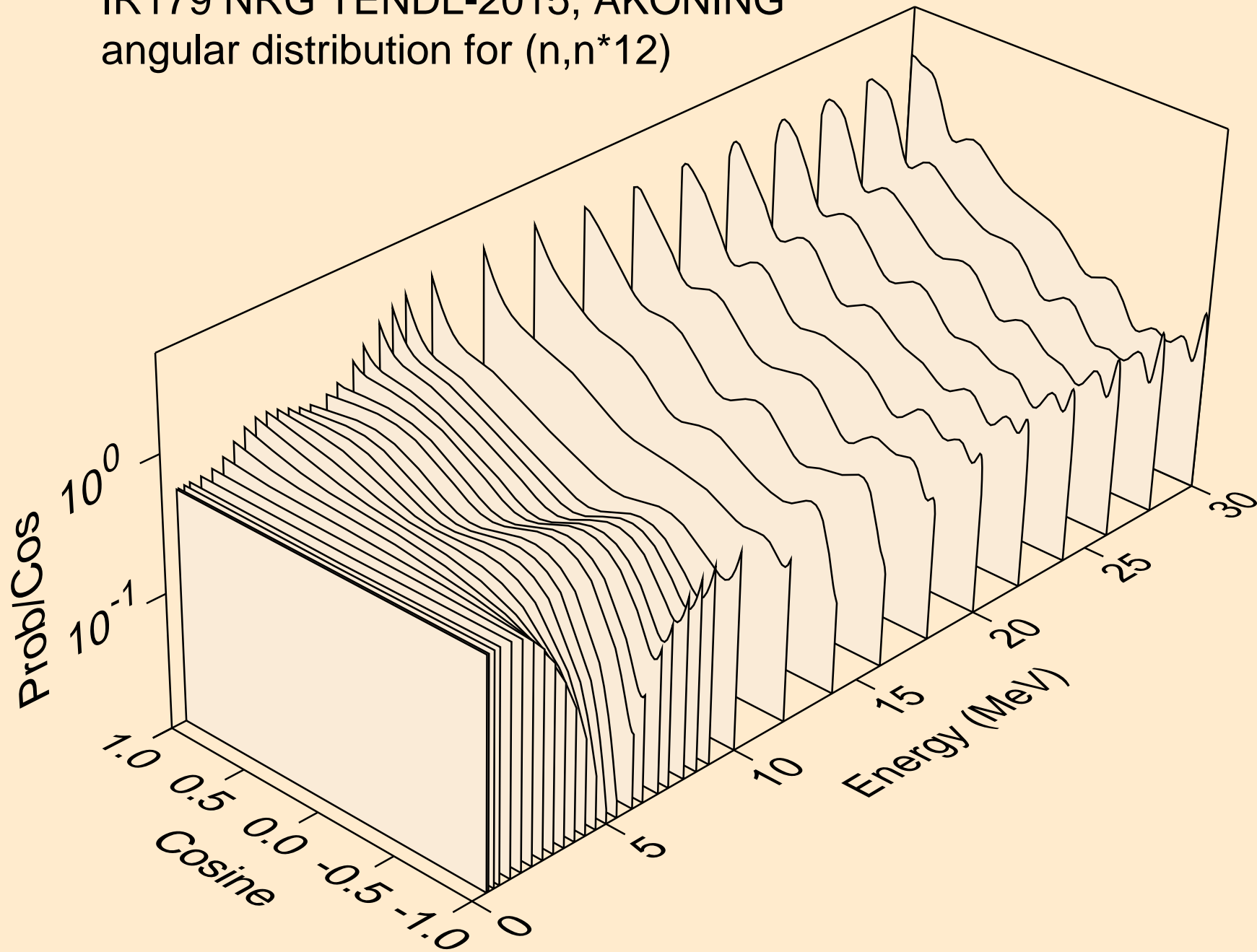
IR179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



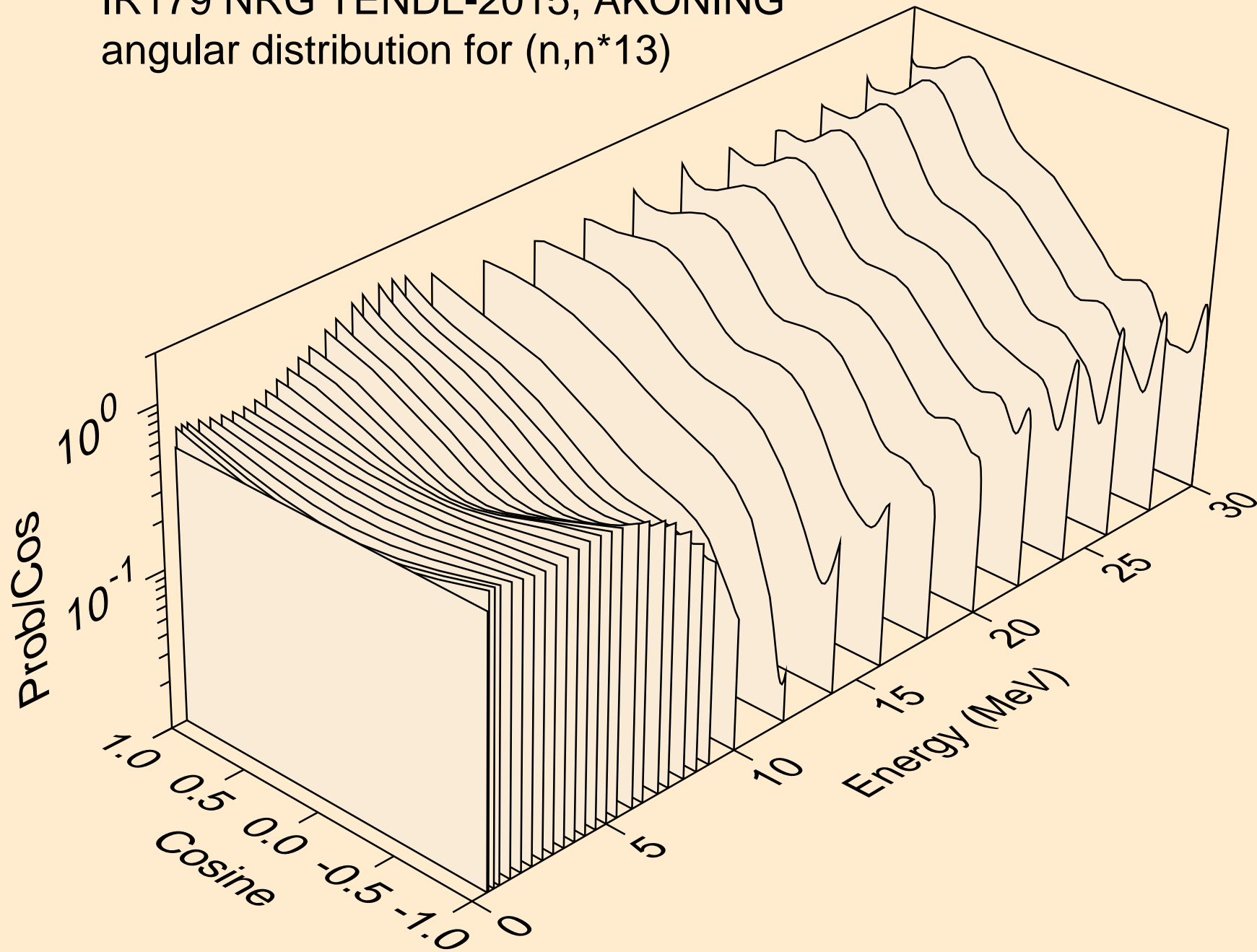
IR179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



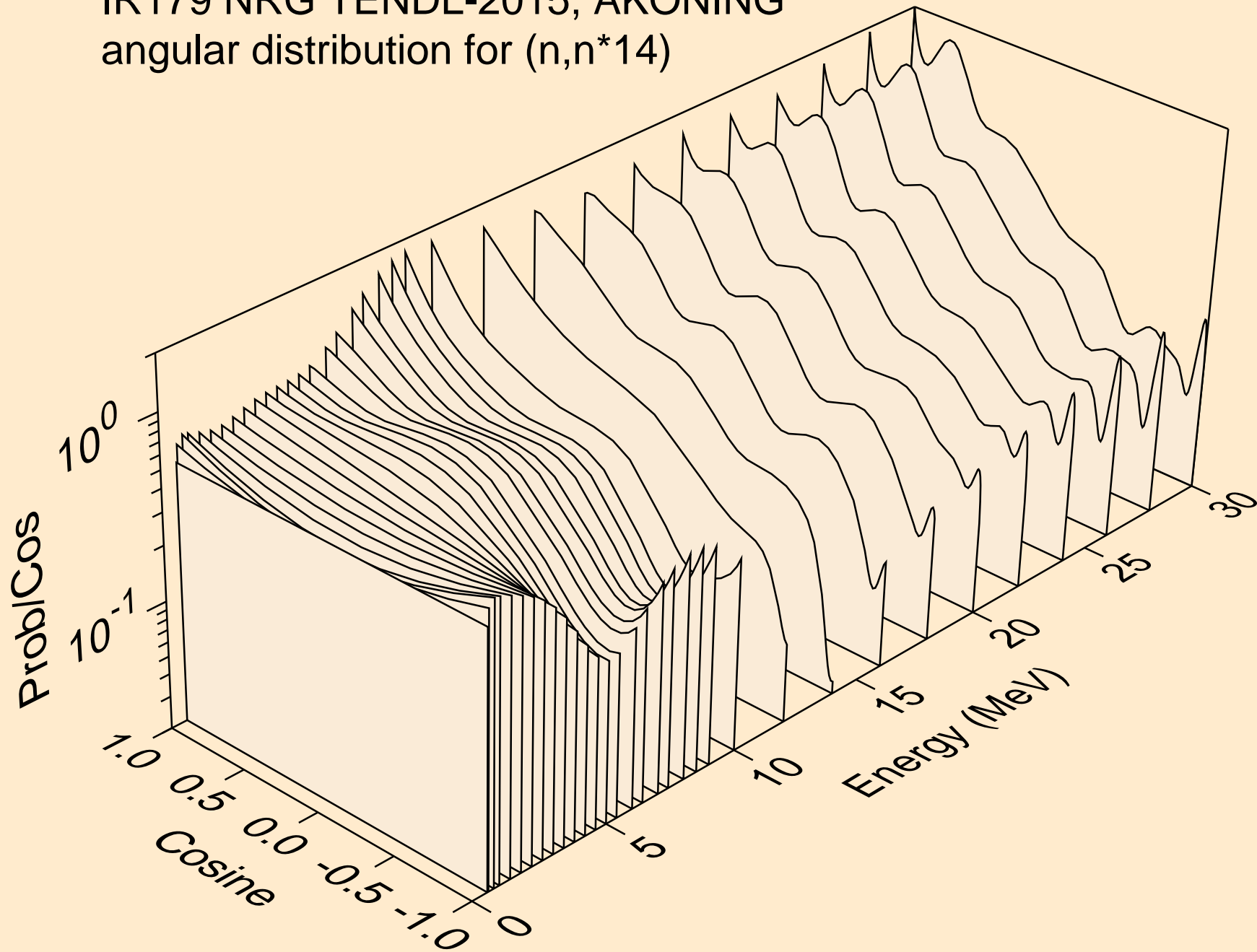
IR179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



IR179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)

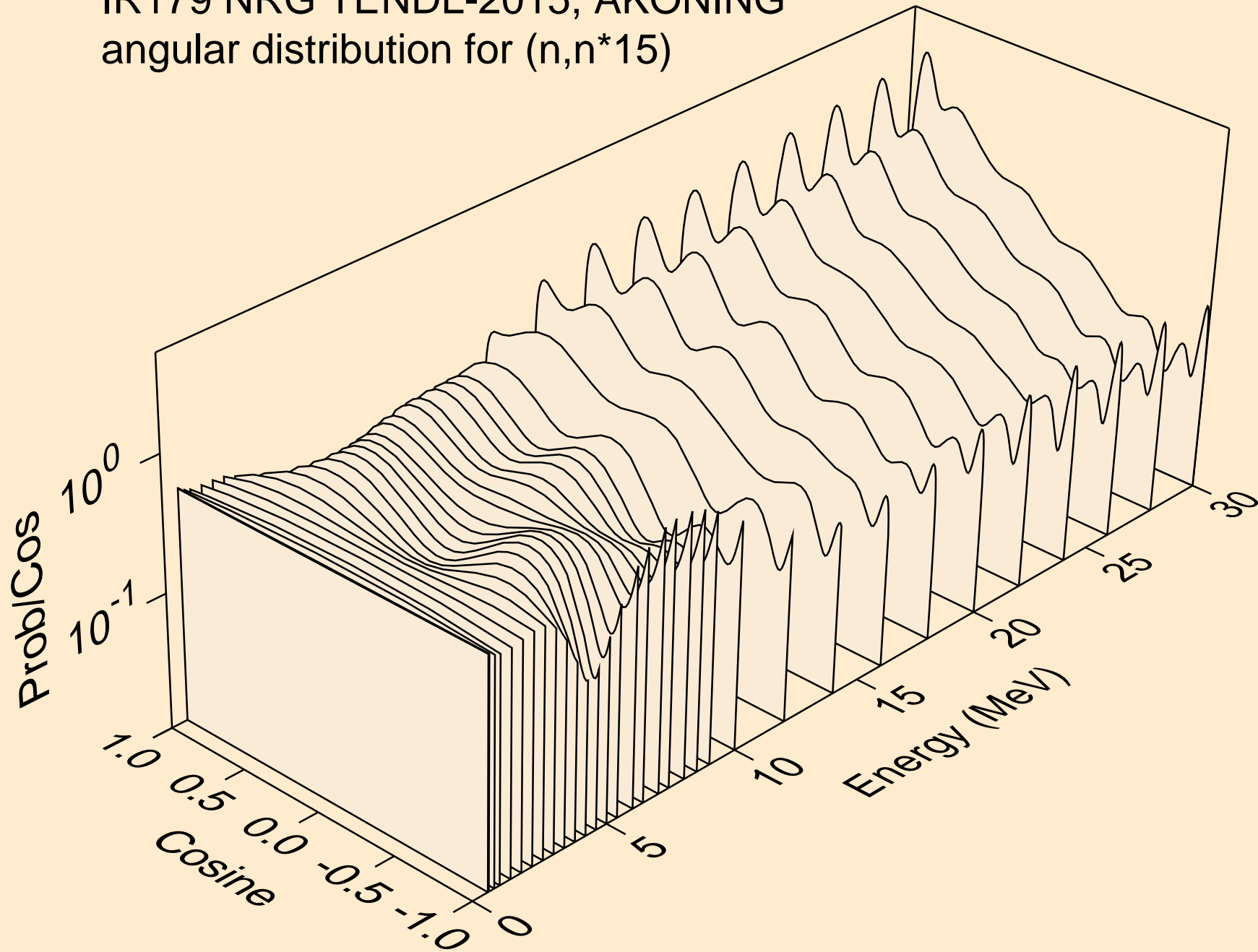


IR179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)

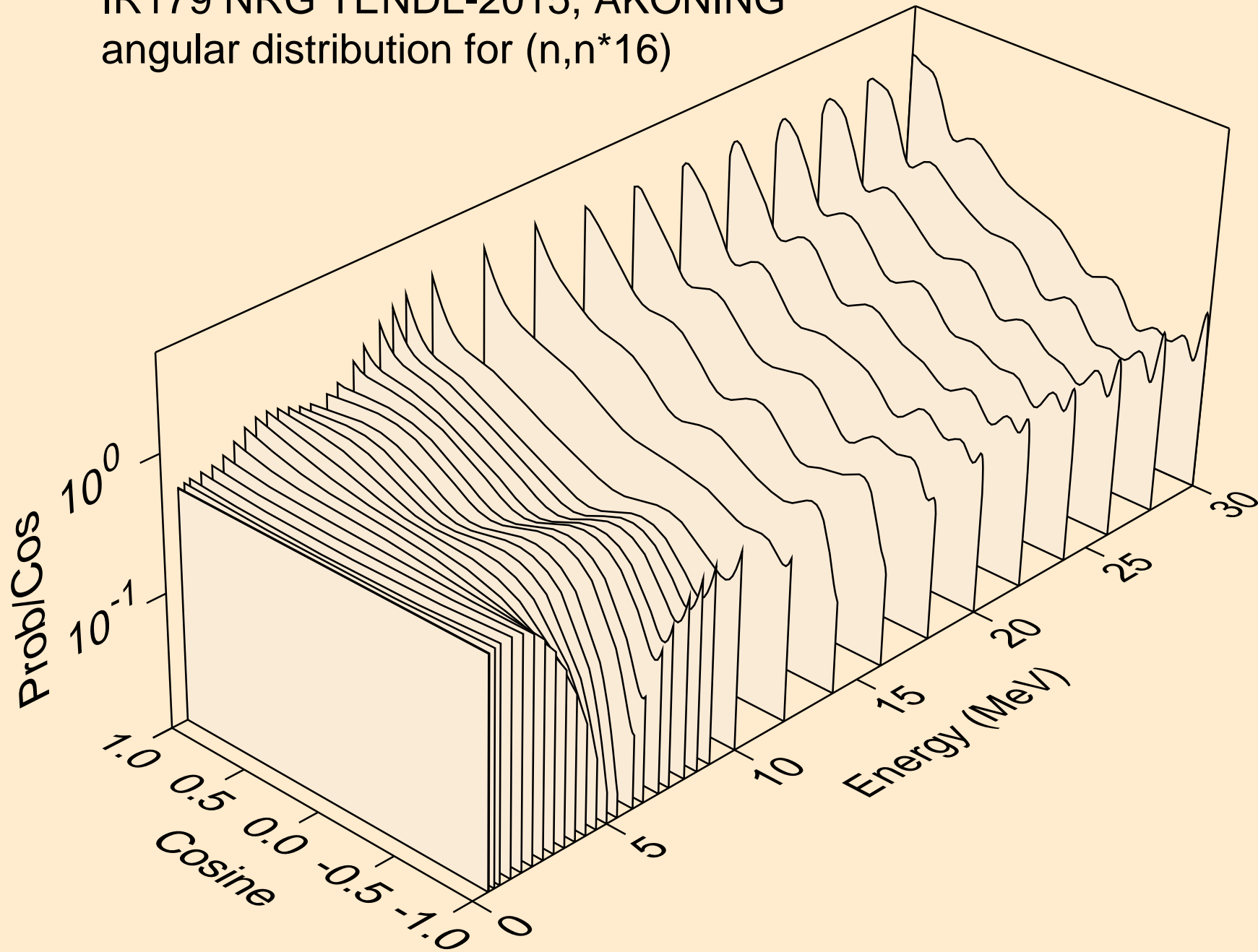




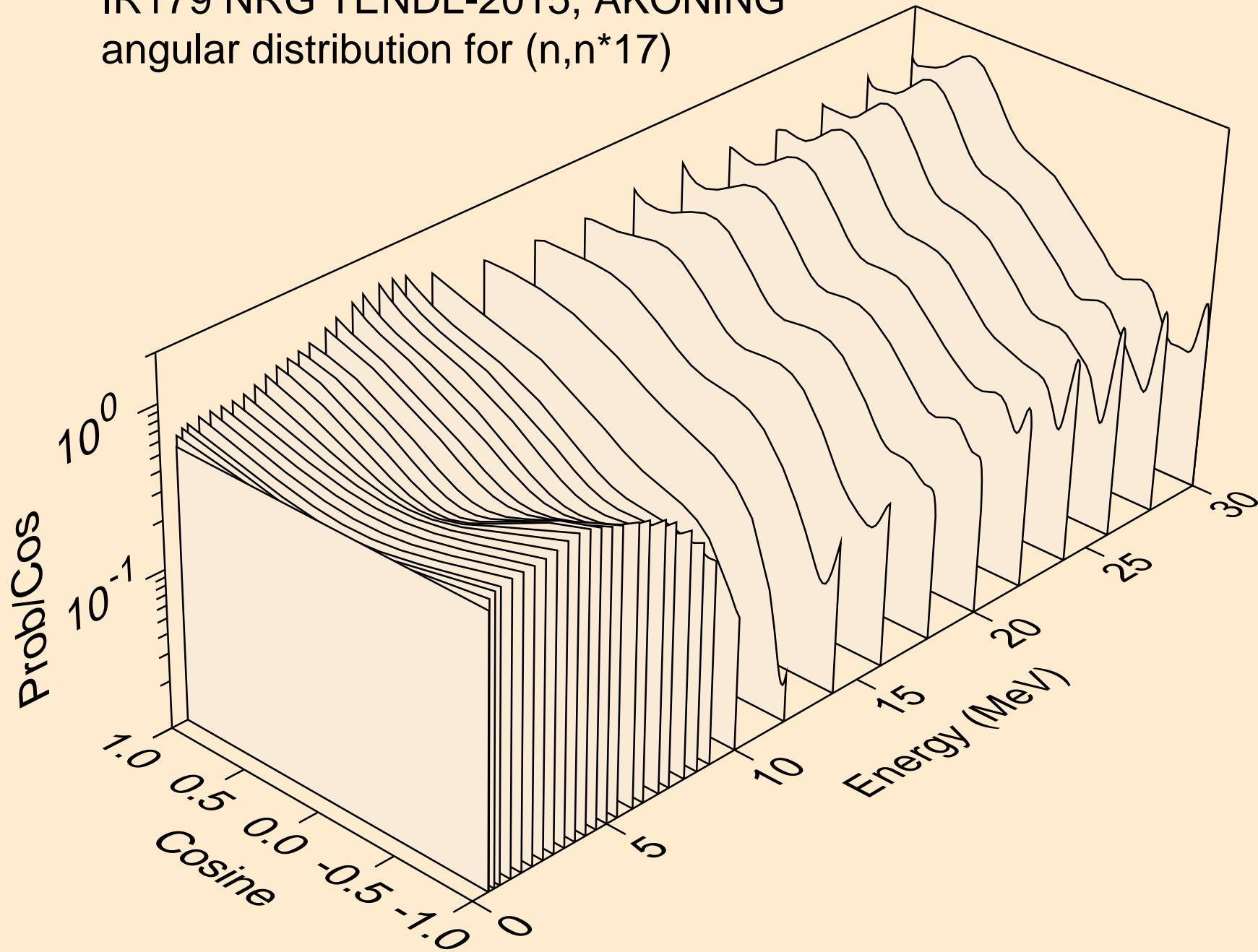
IR179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



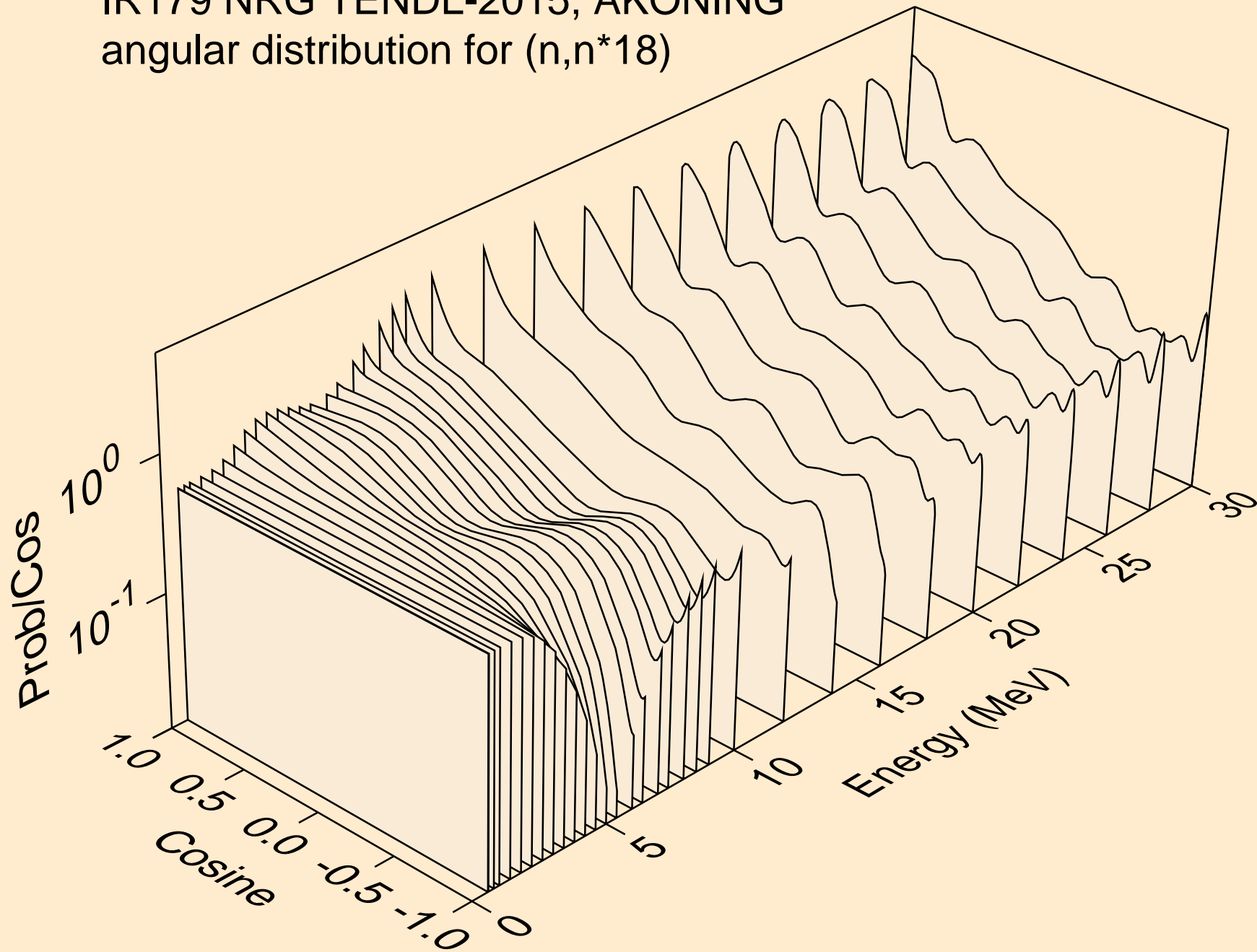
IR179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)



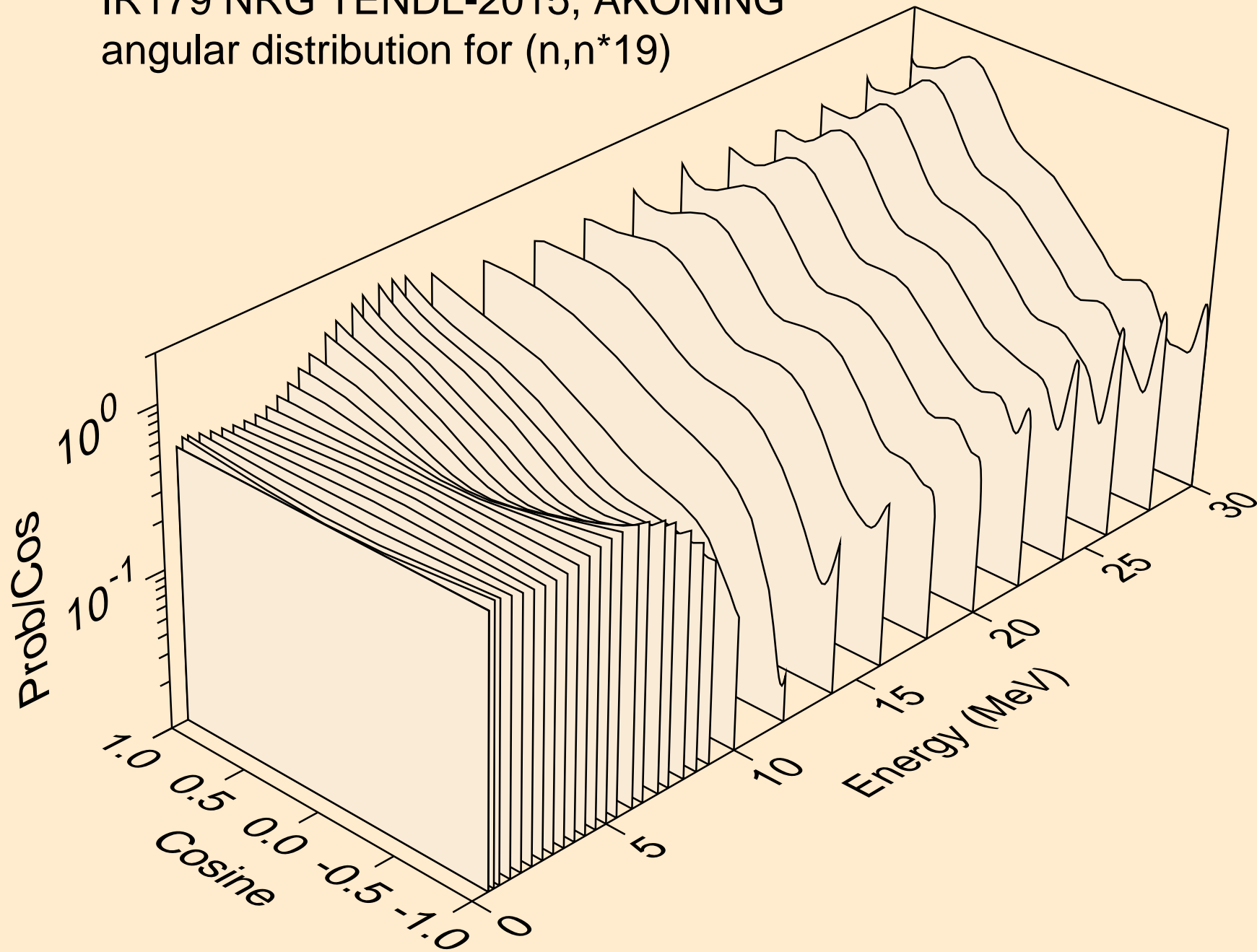
IR179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



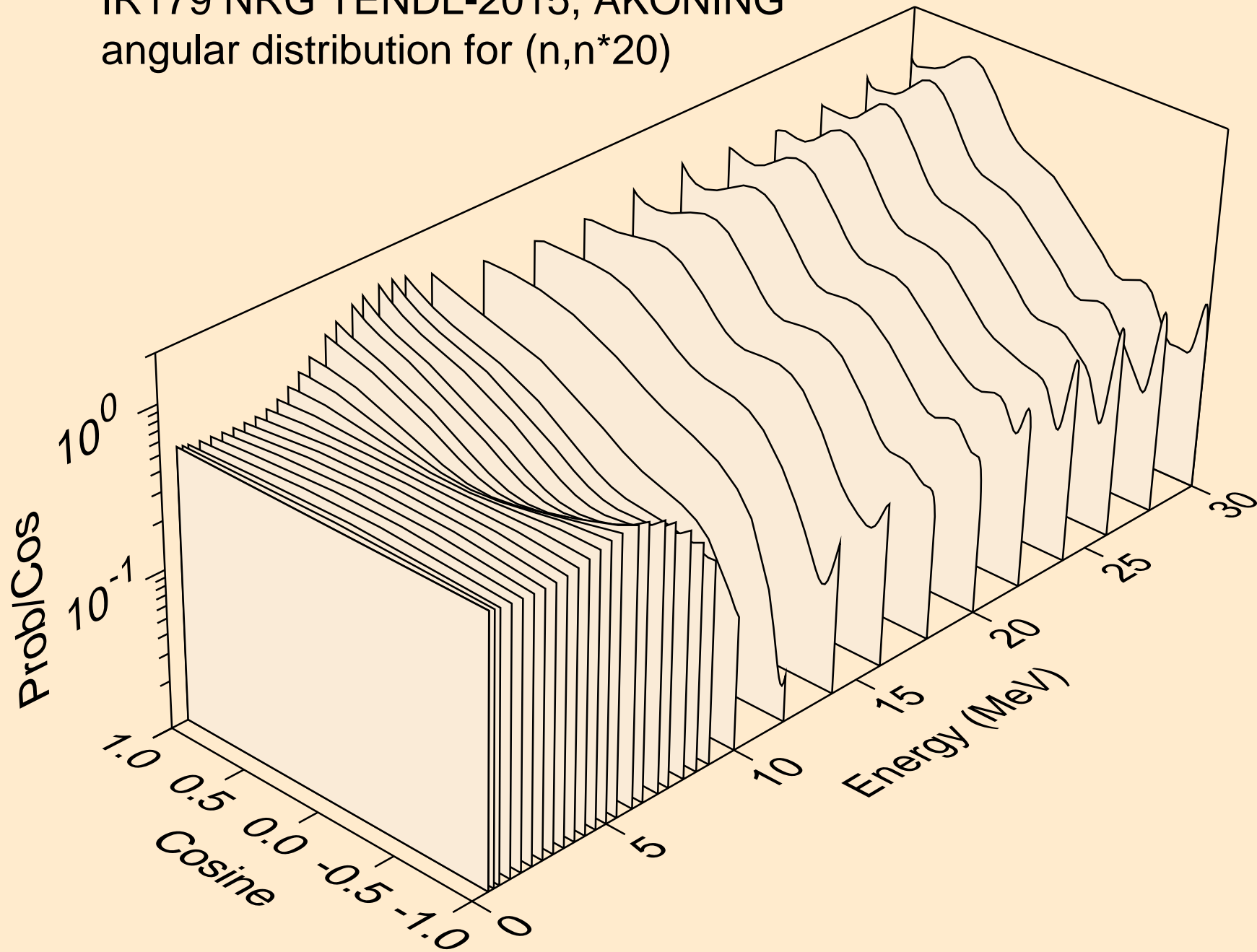
IR179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



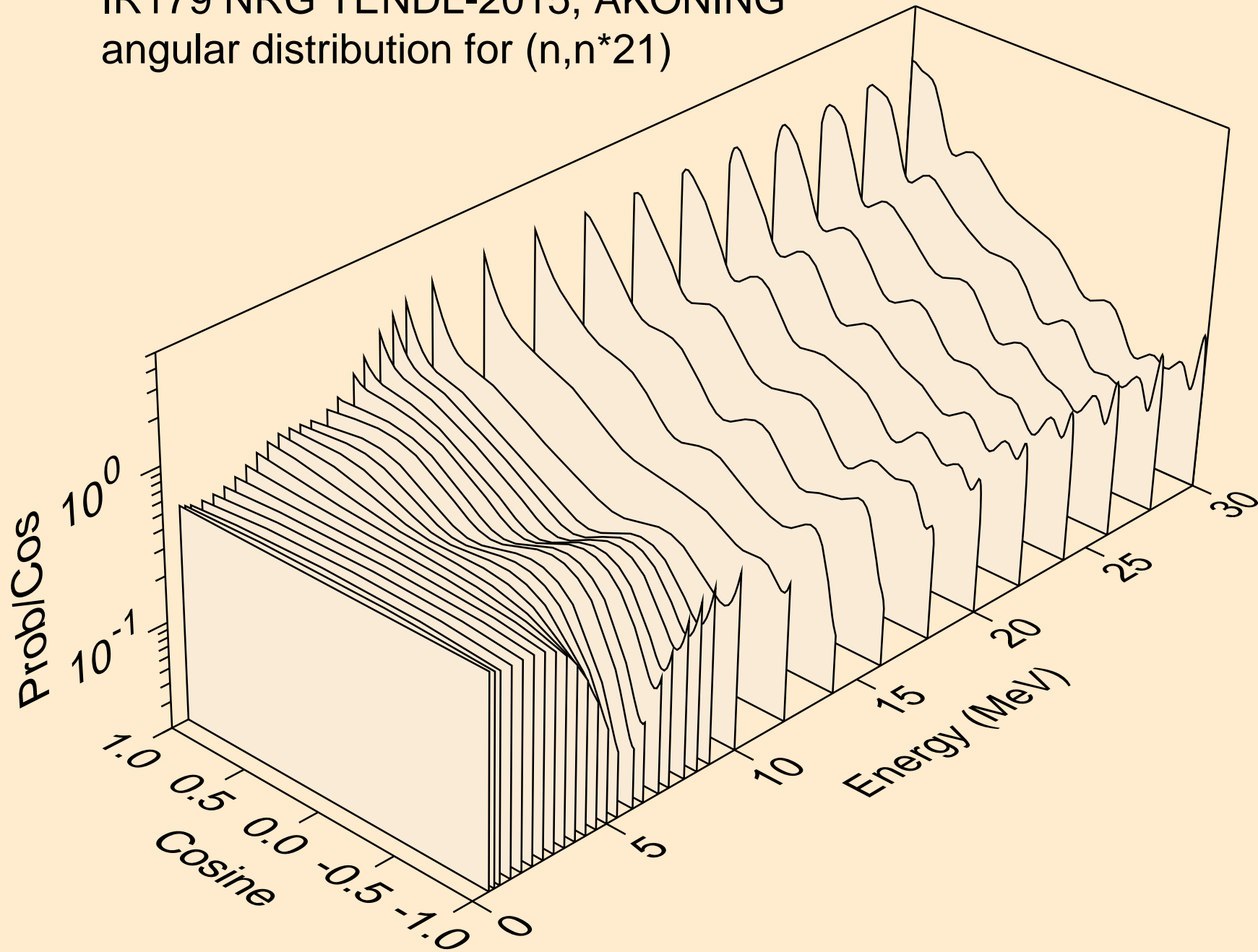
IR179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



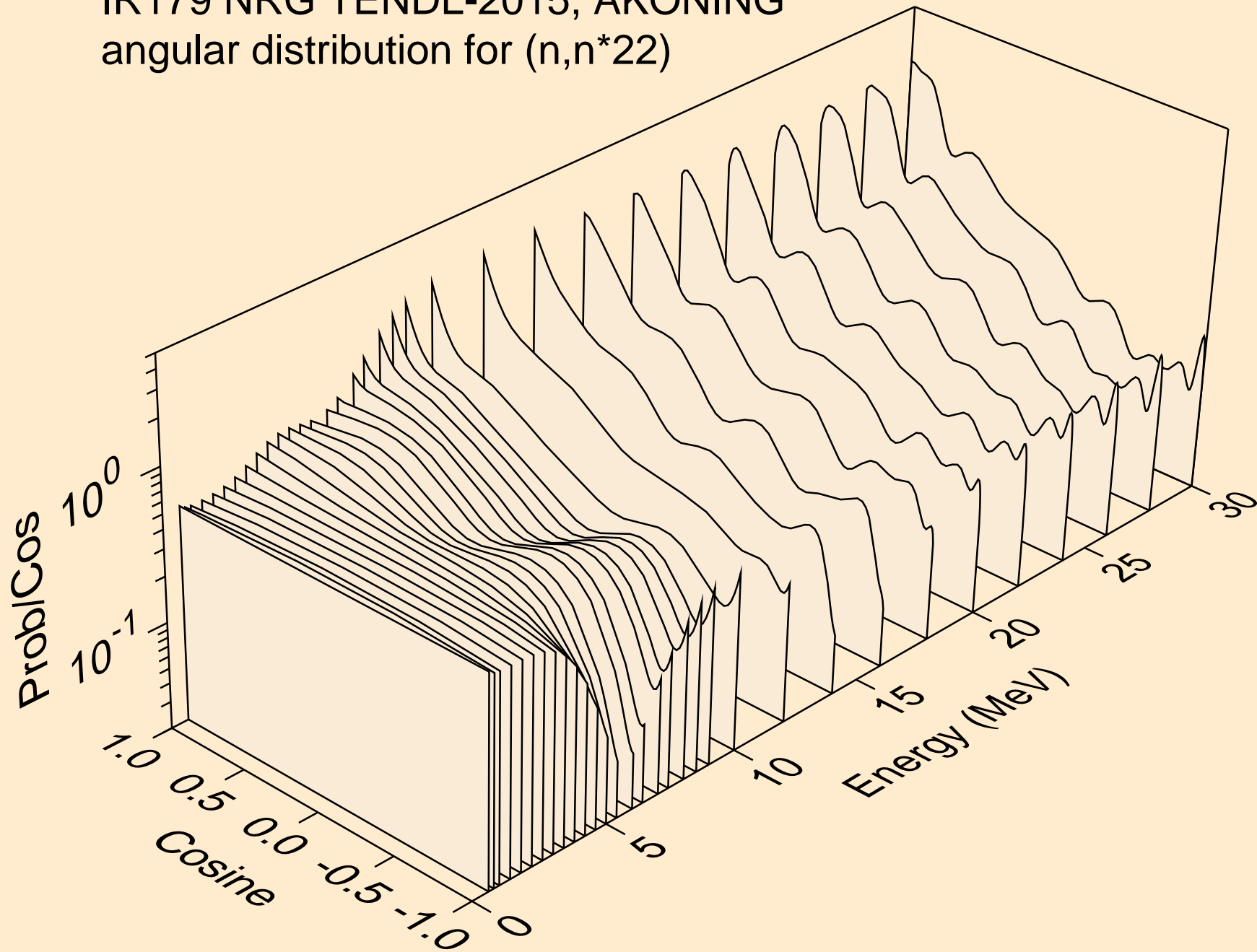
IR179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



IR179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)

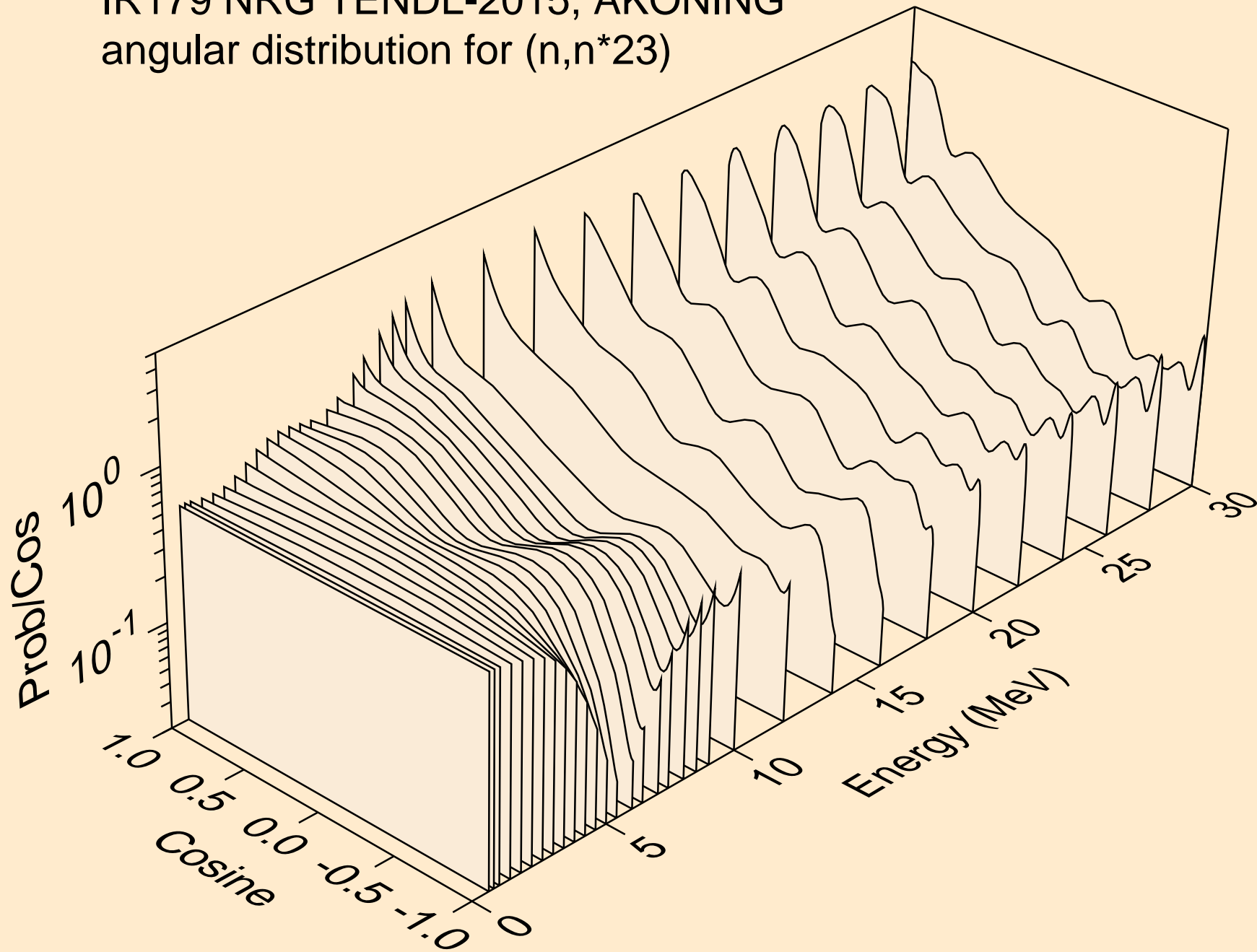


IR179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)

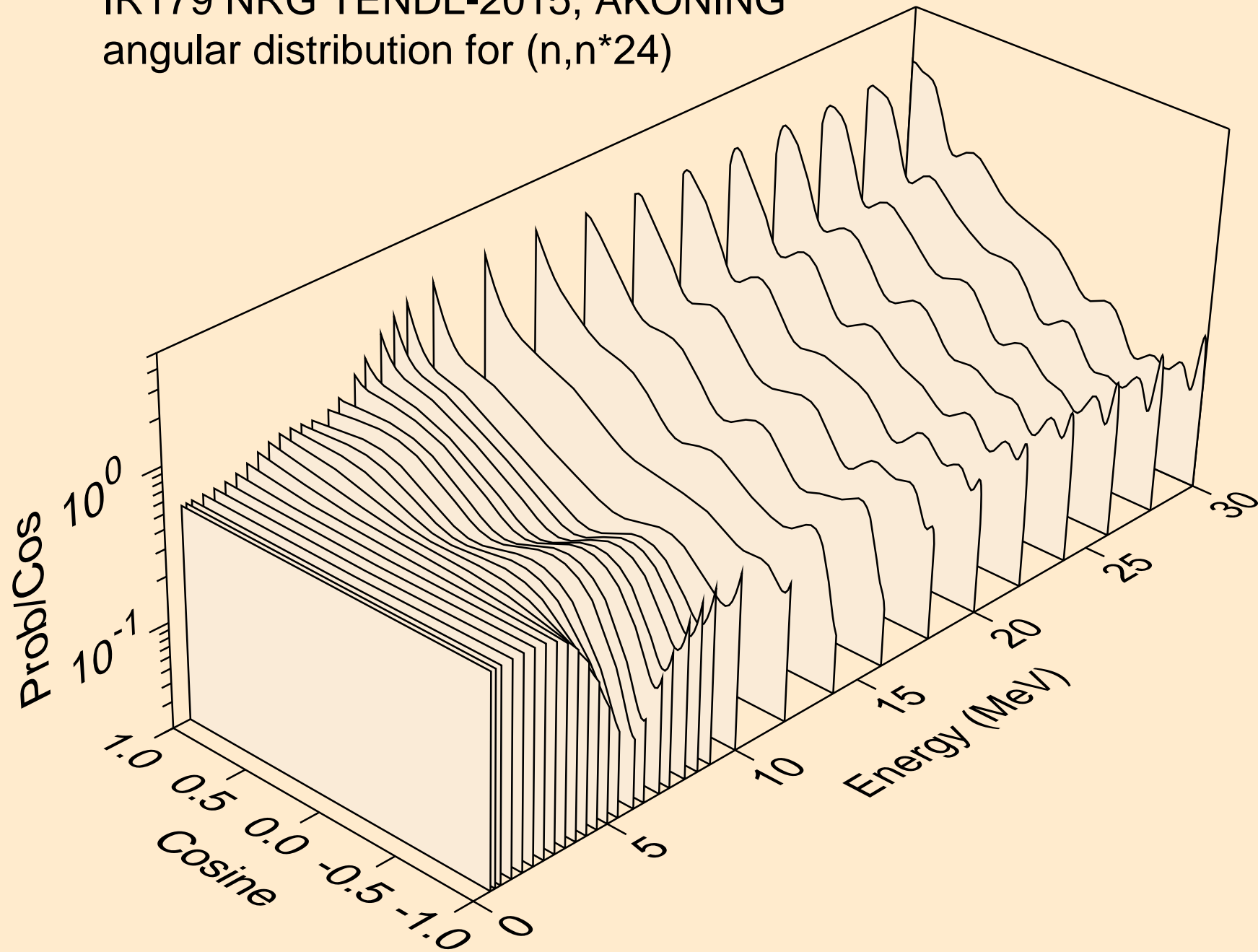




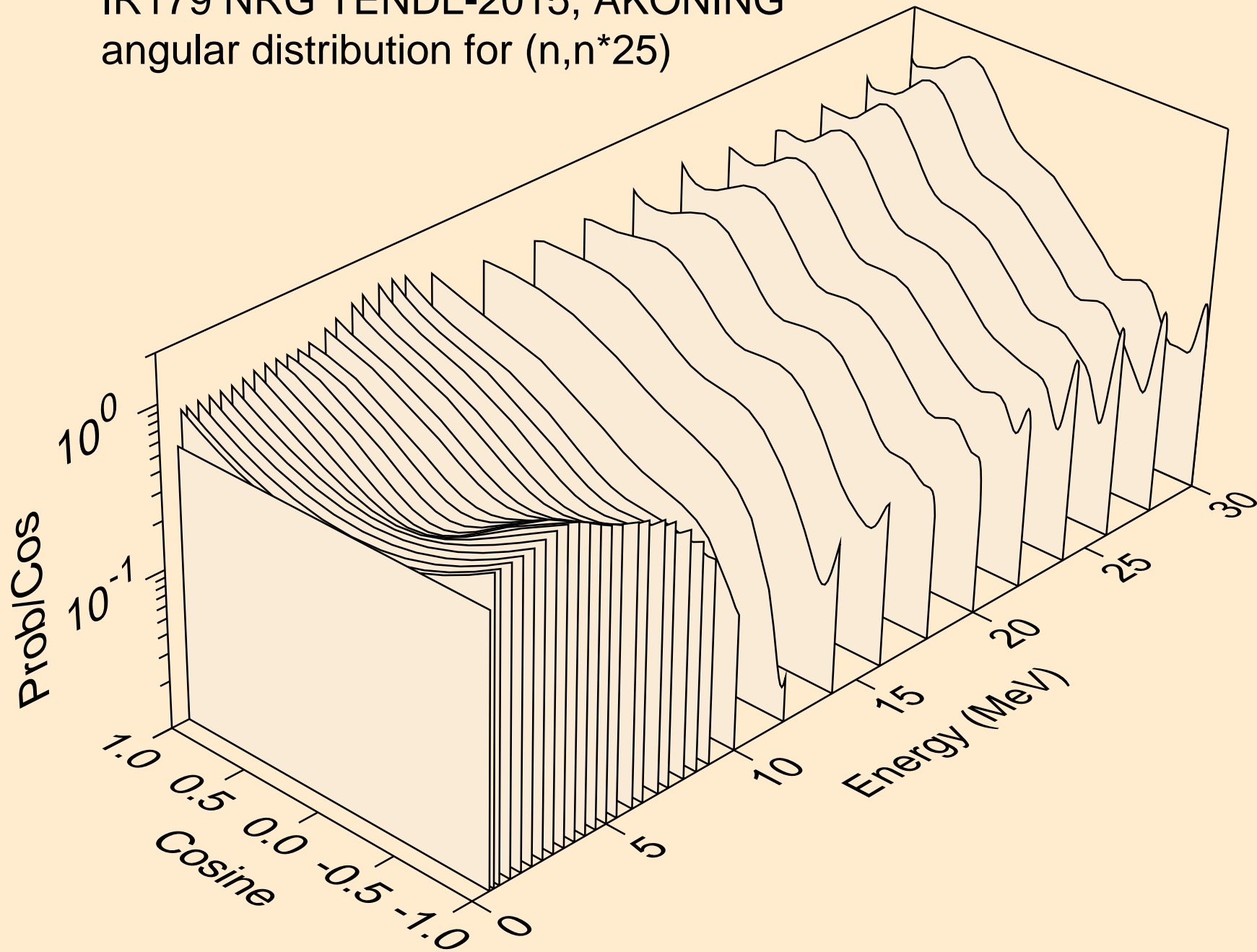
IR179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)



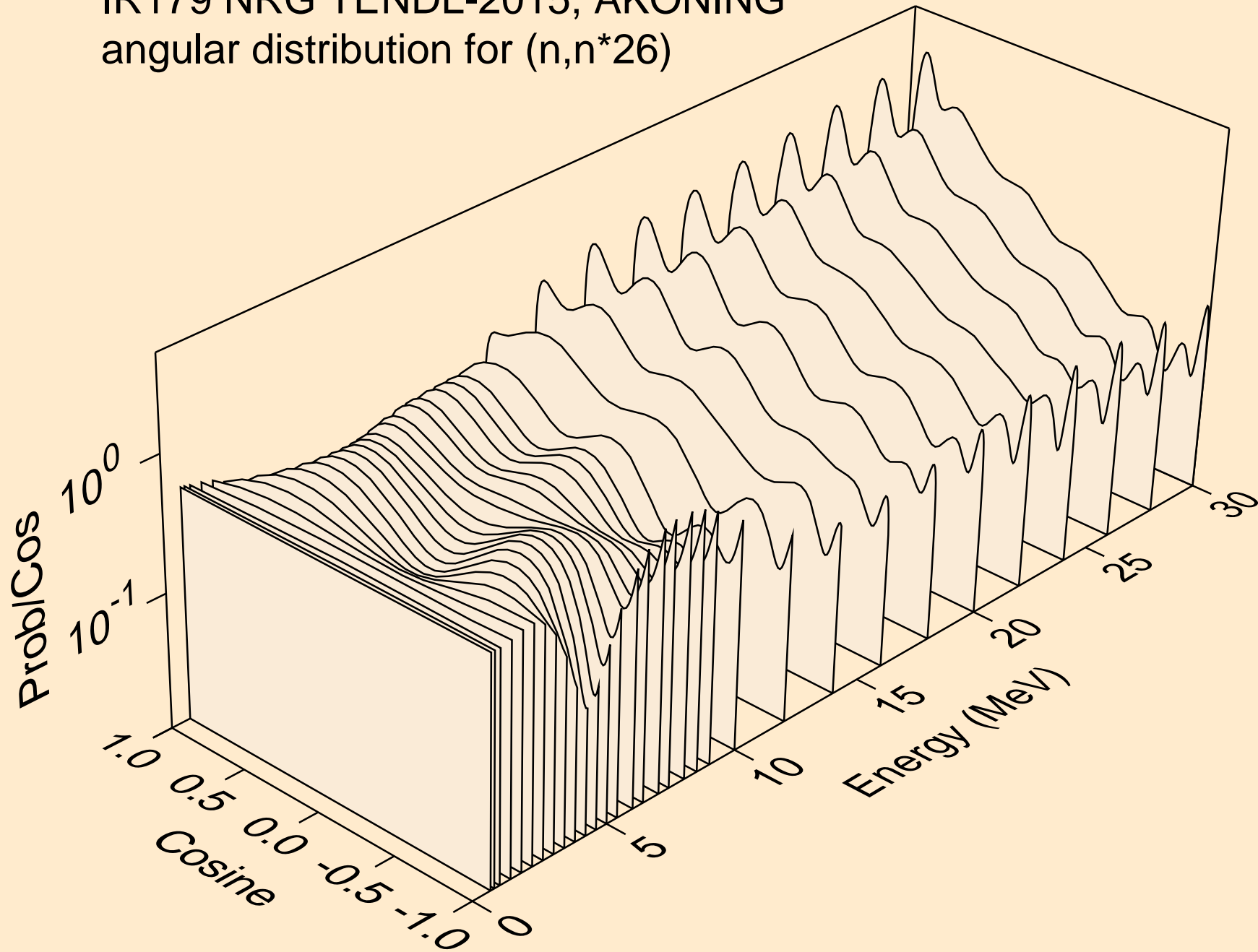
IR179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)



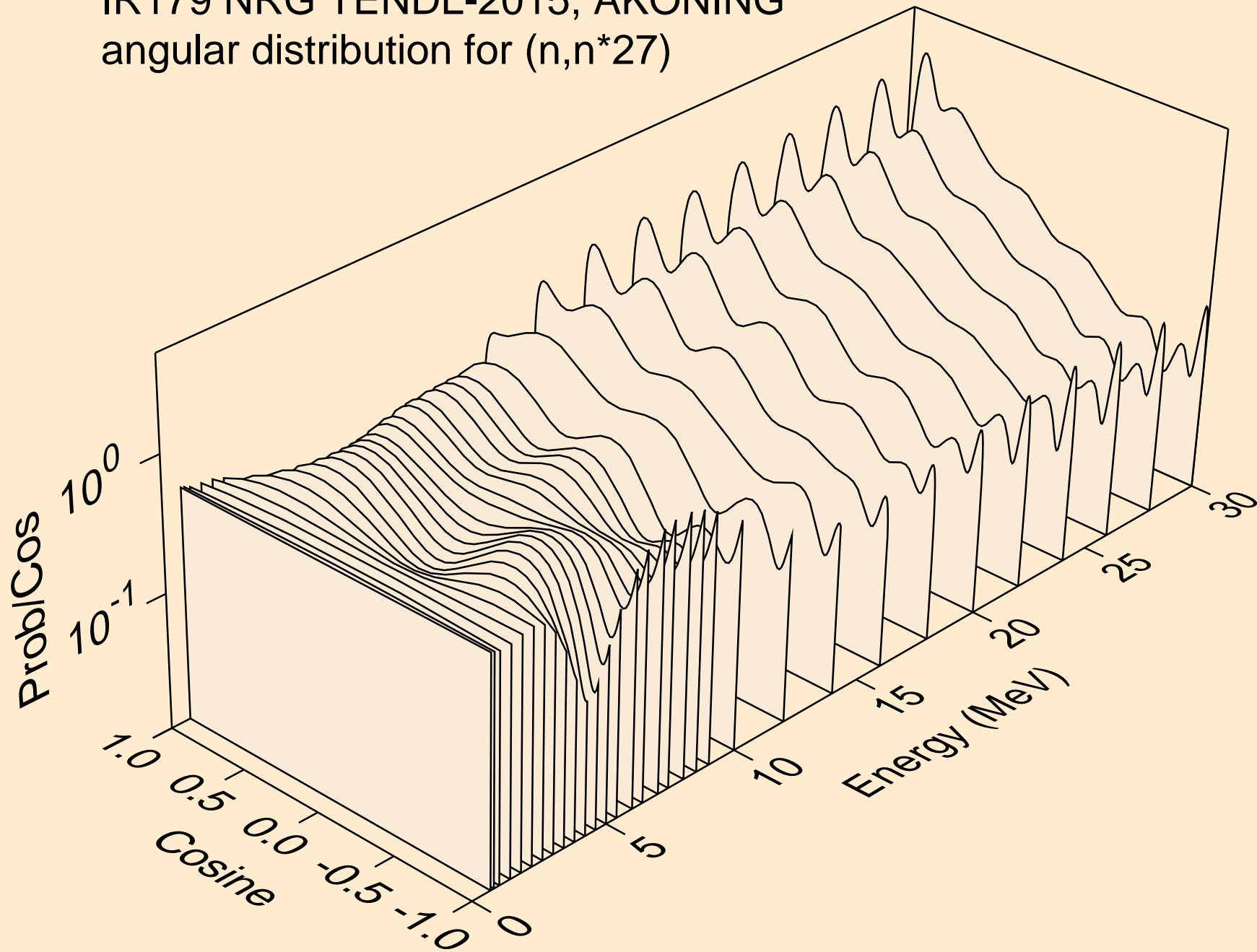
IR179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



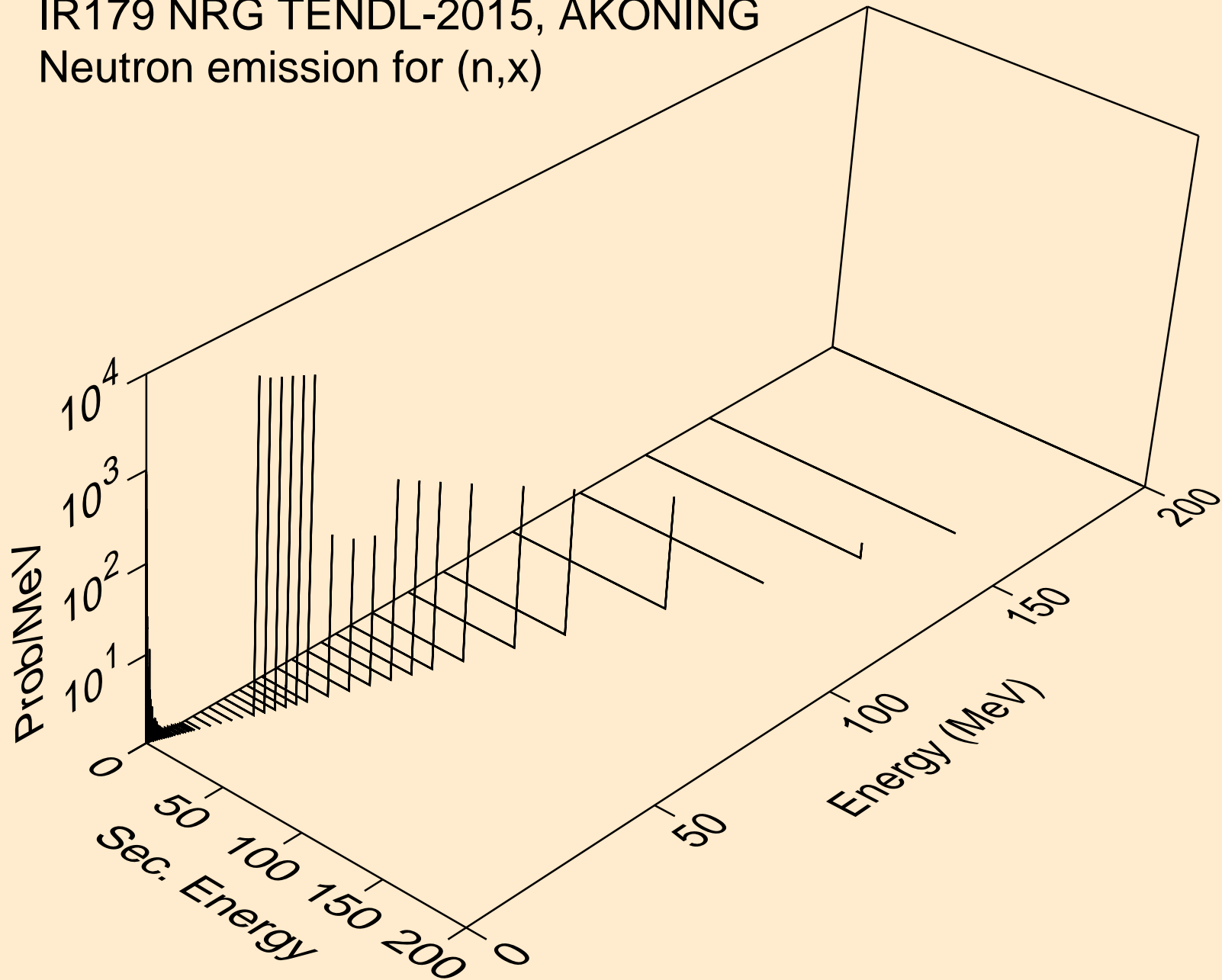
IR179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



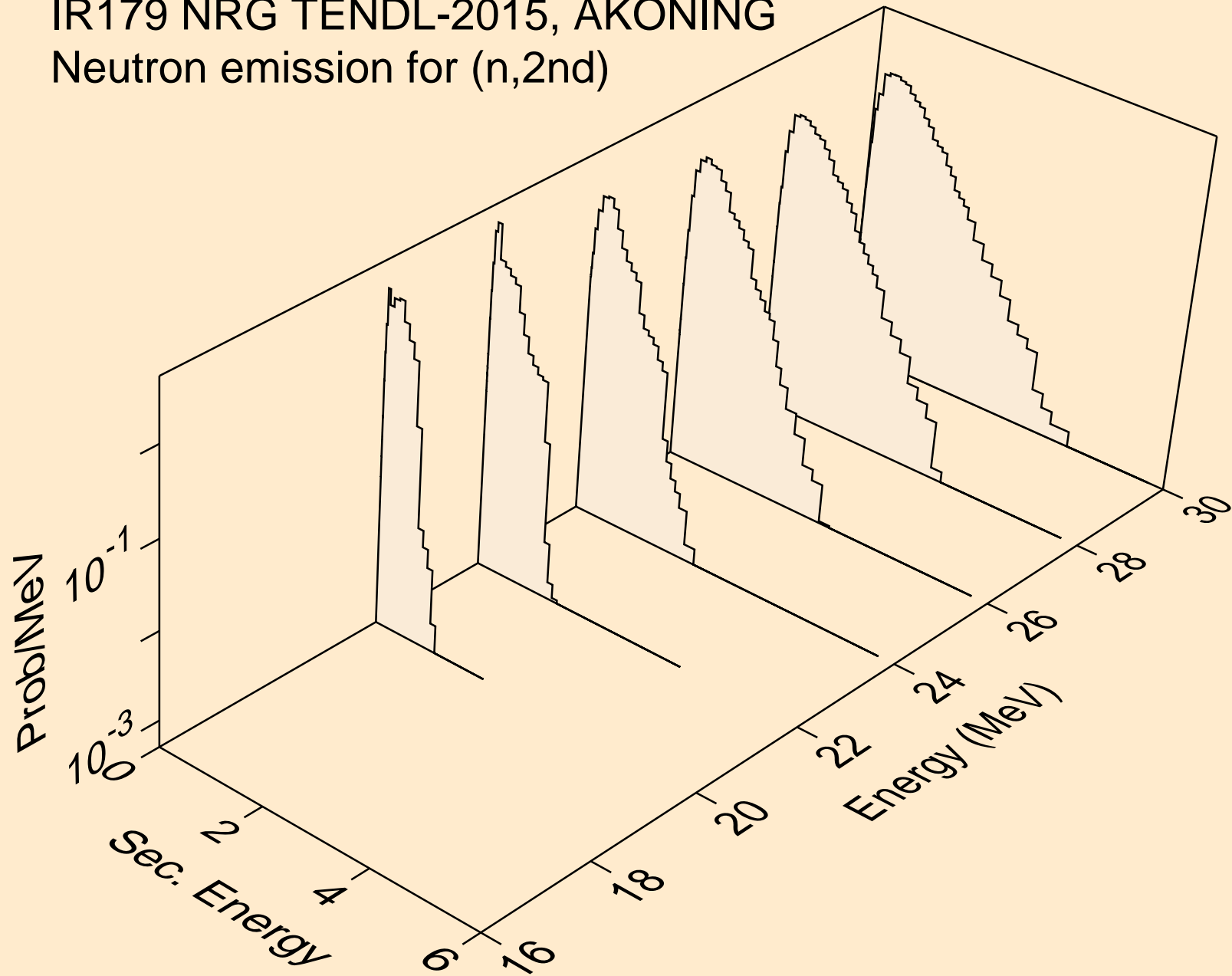
IR179 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*27)



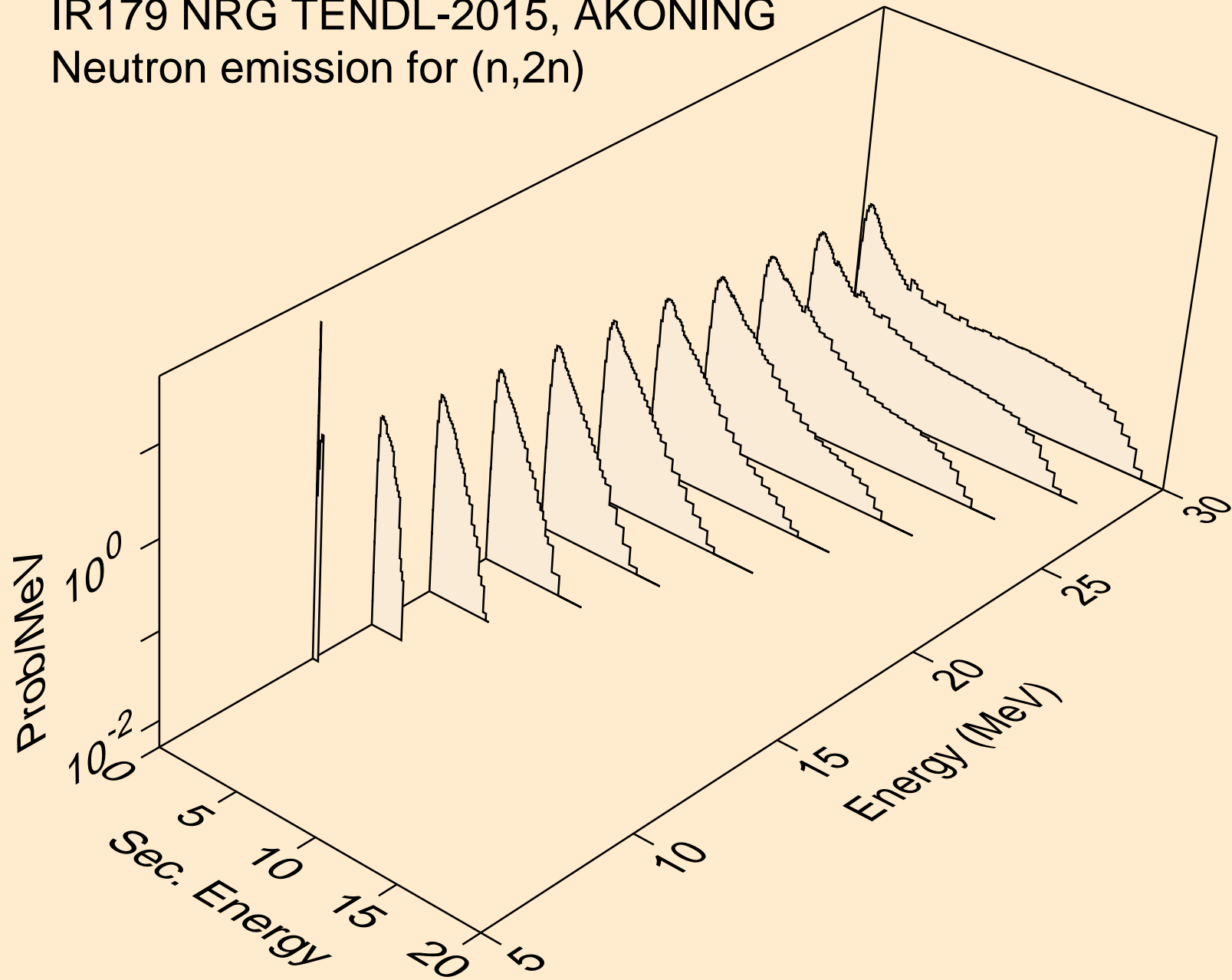
IR179 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



IR179 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)

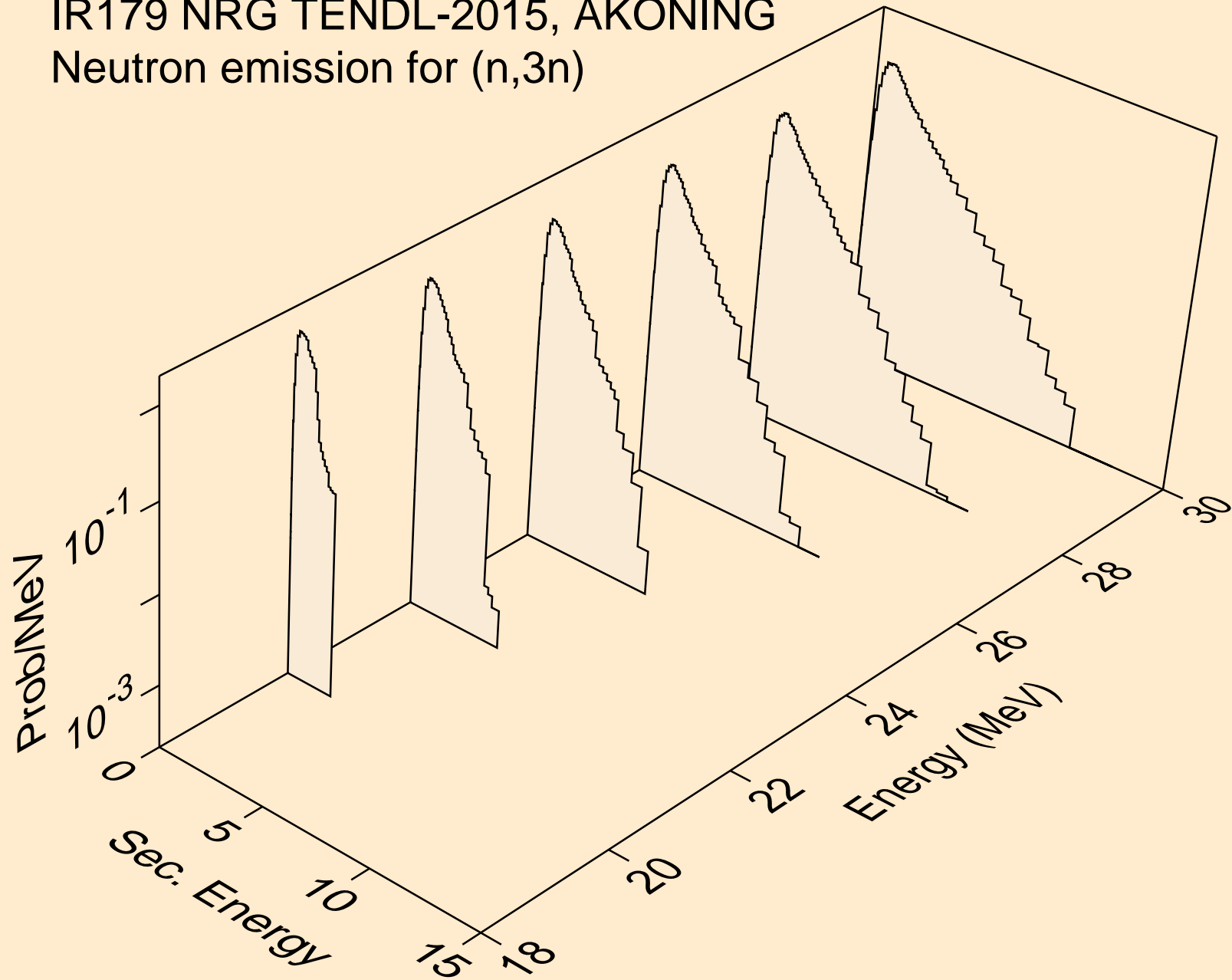


IR179 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)

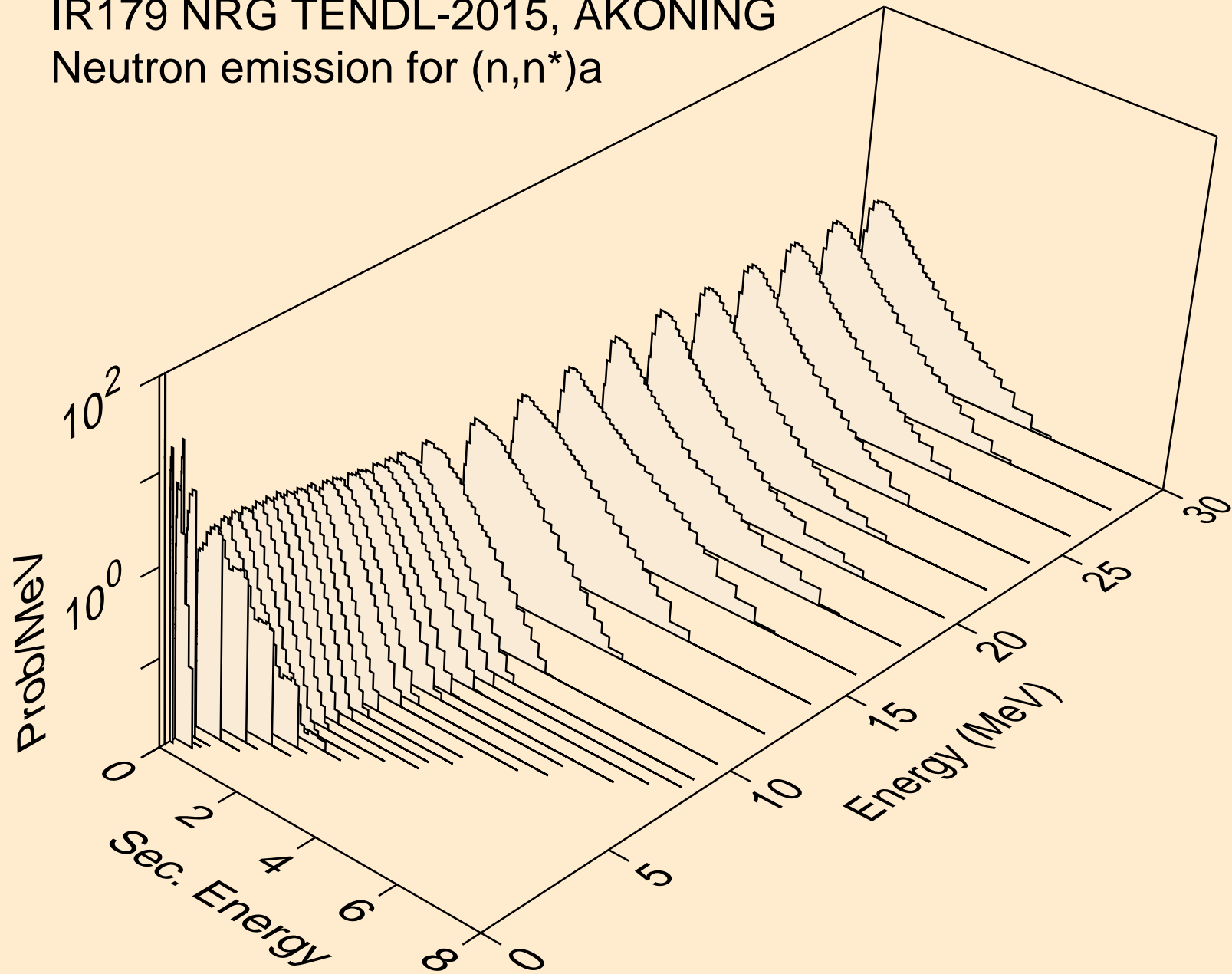




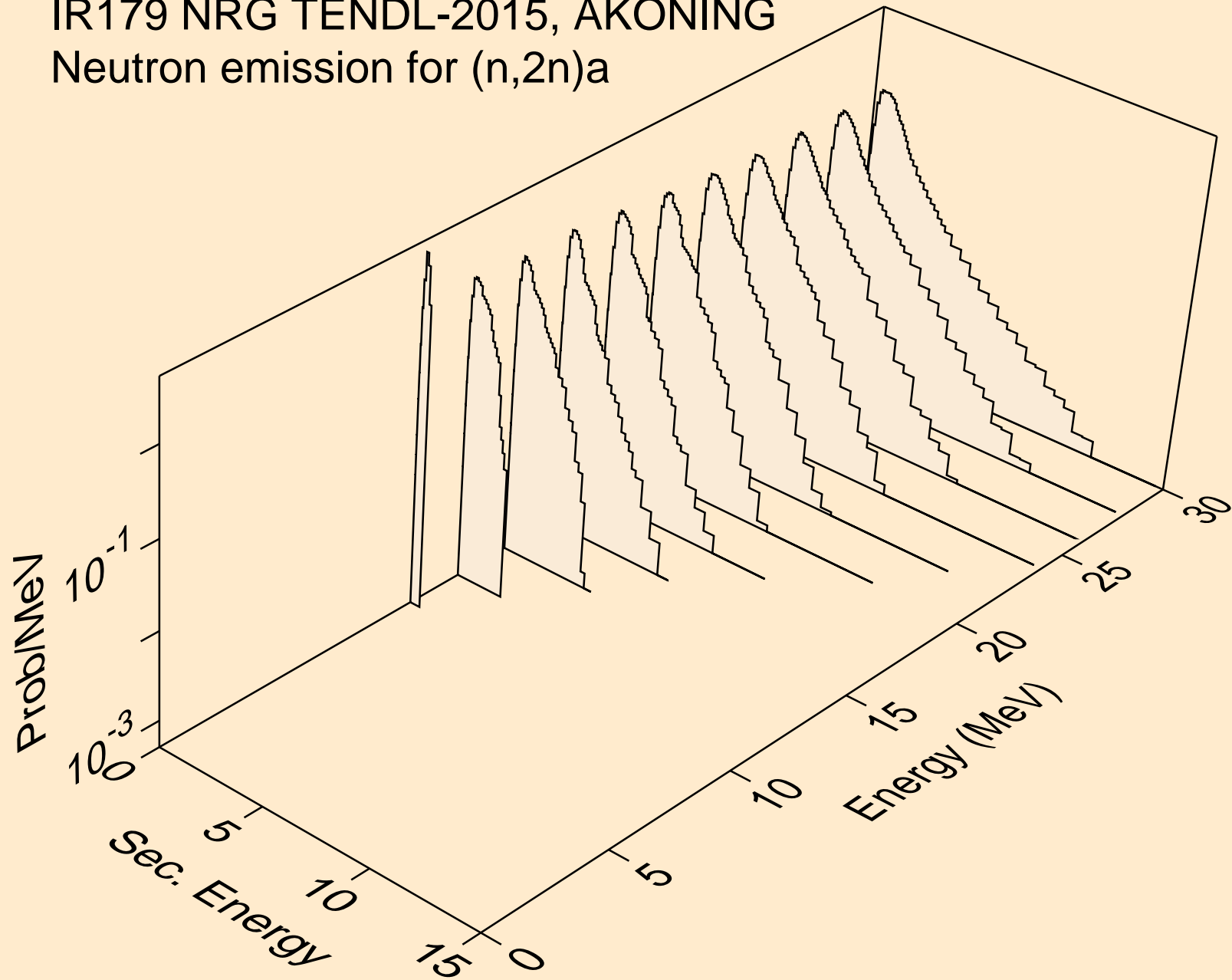
IR179 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



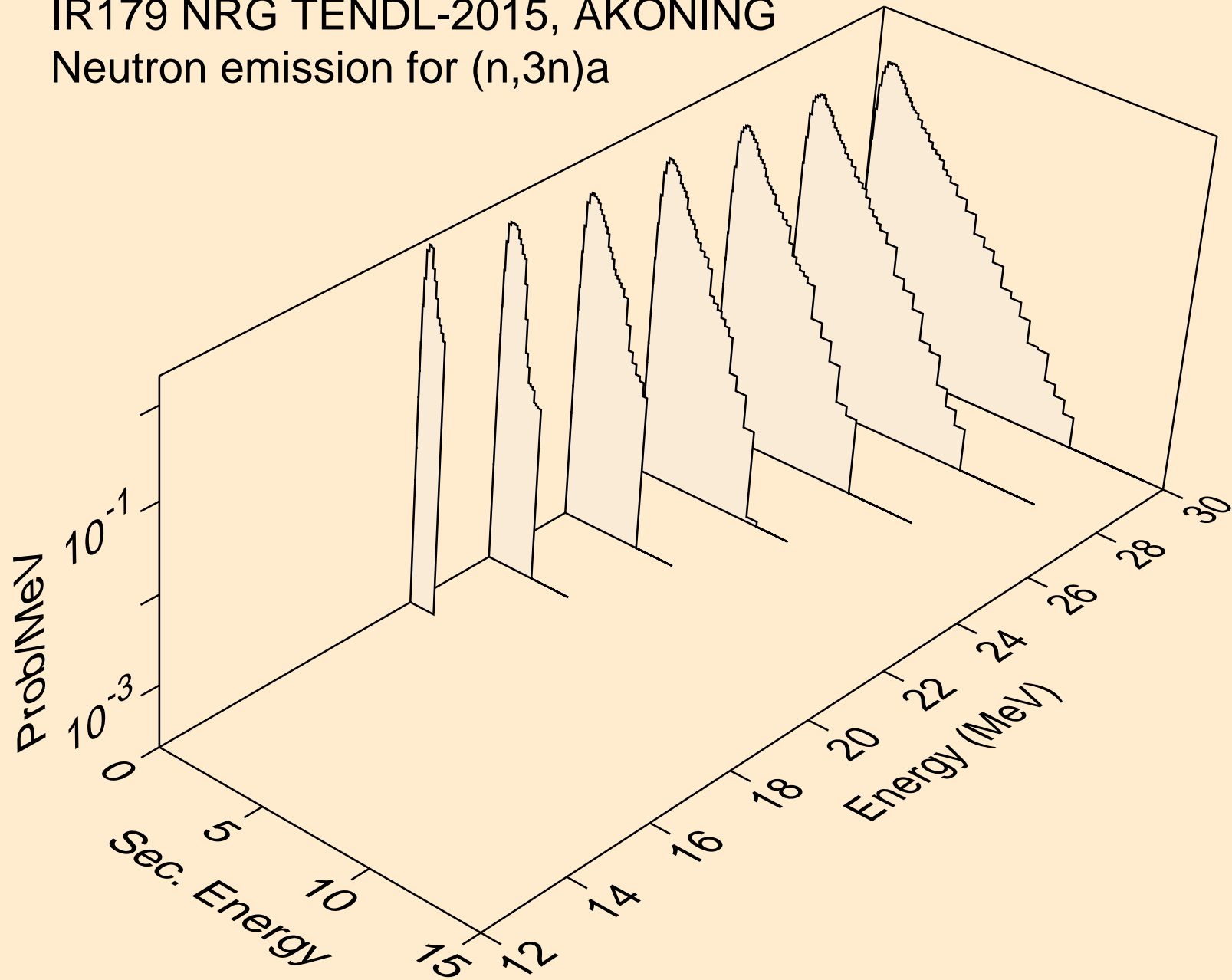
IR179 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



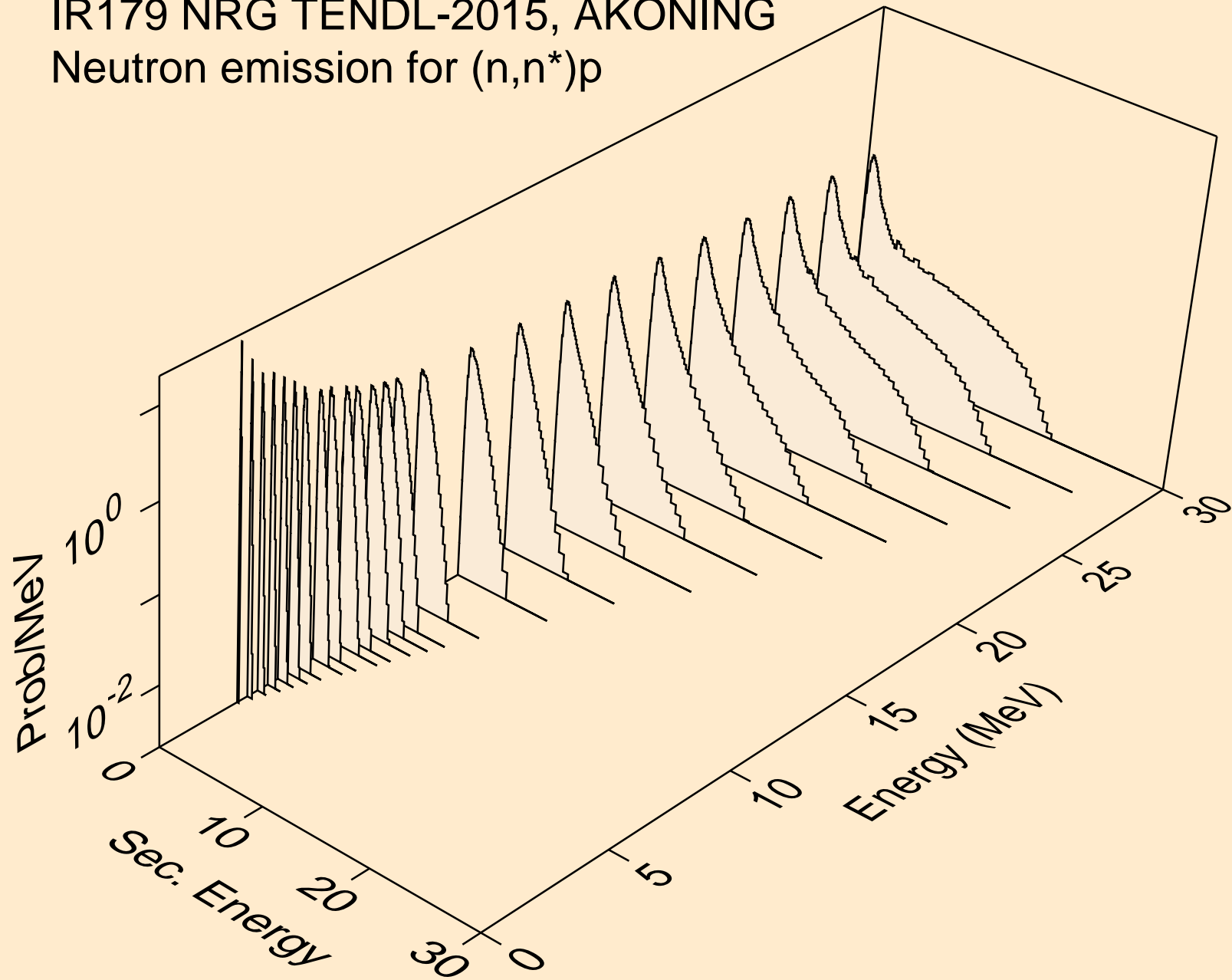
IR179 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



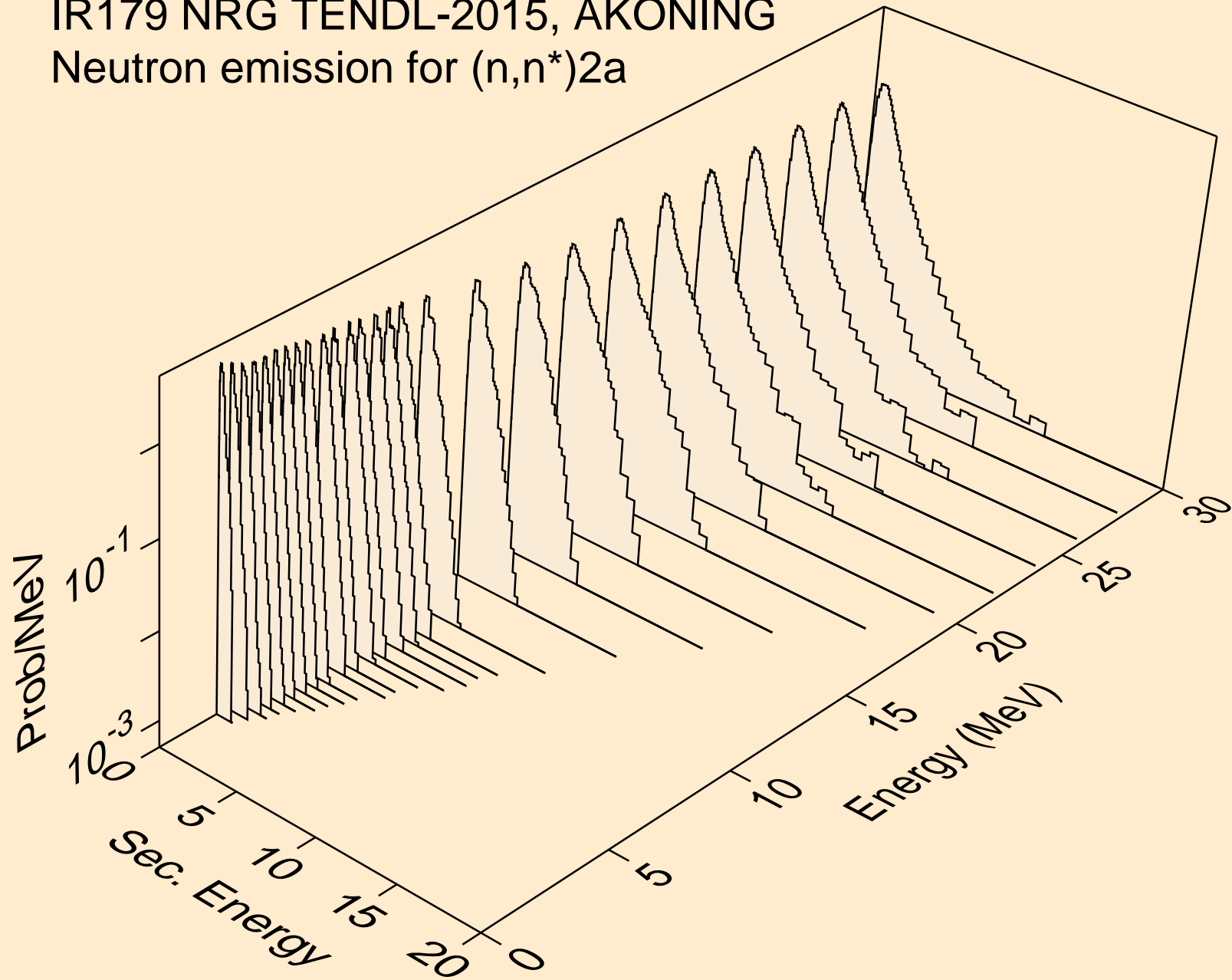
IR179 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



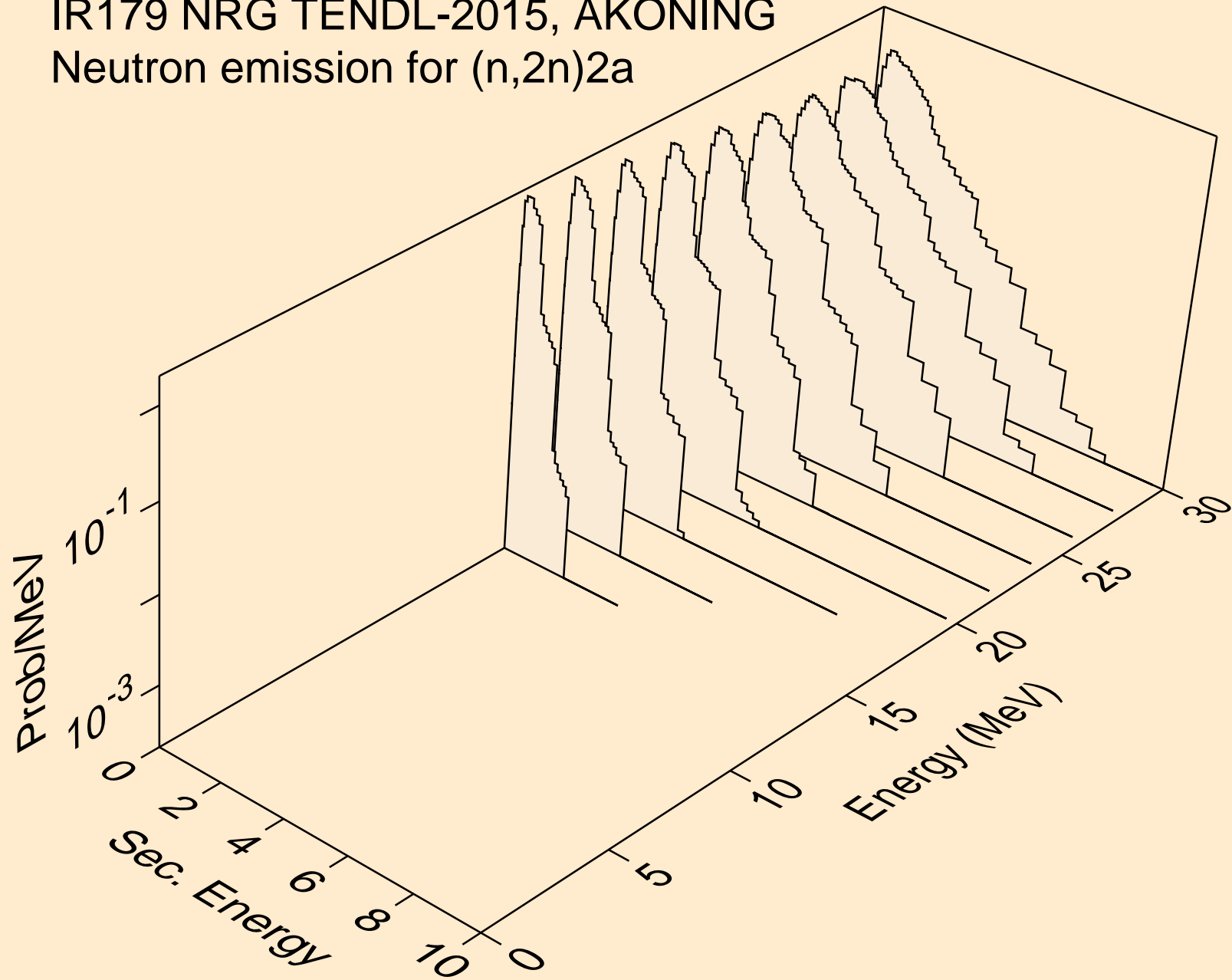
IR179 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



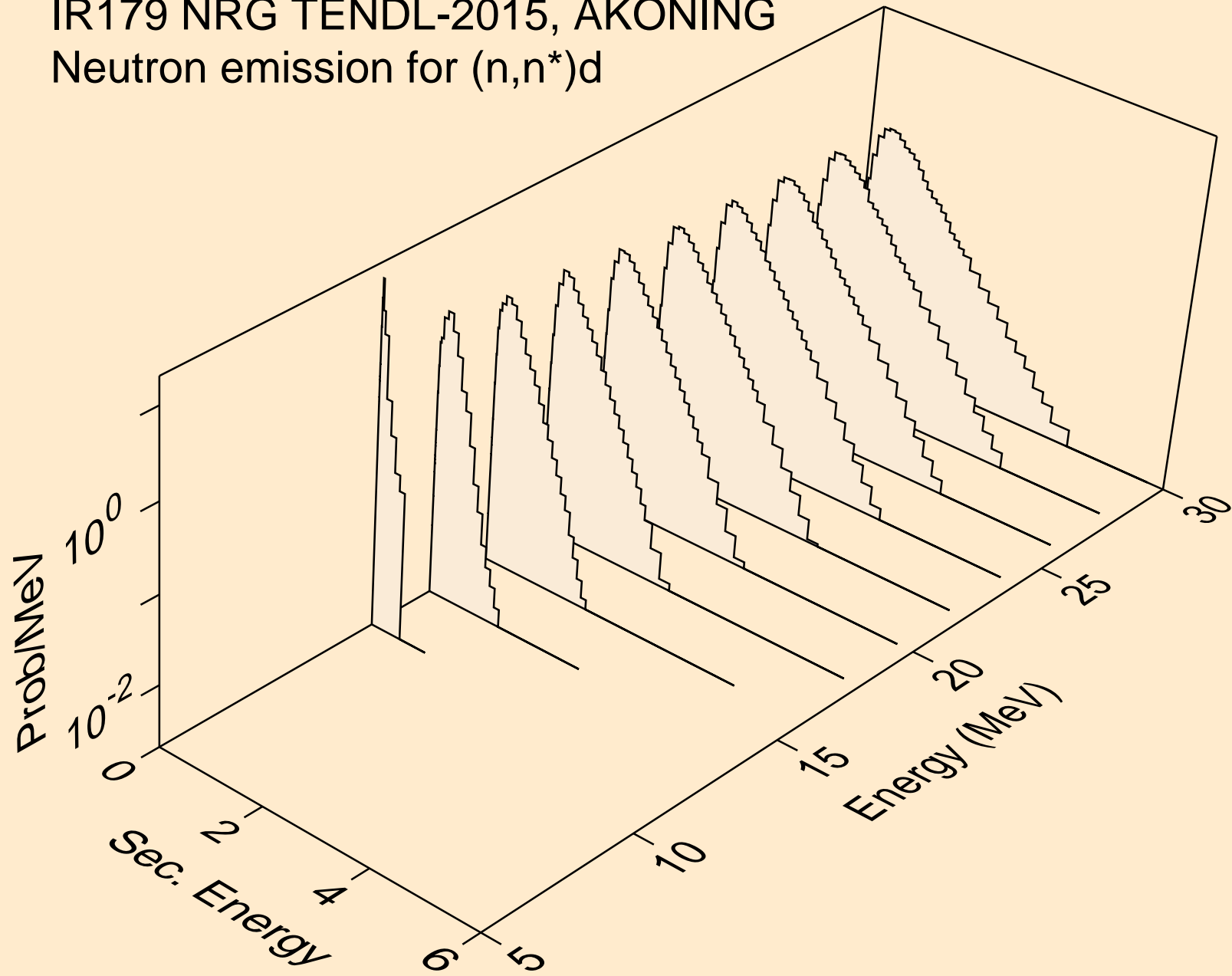
IR179 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



IR179 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)2a

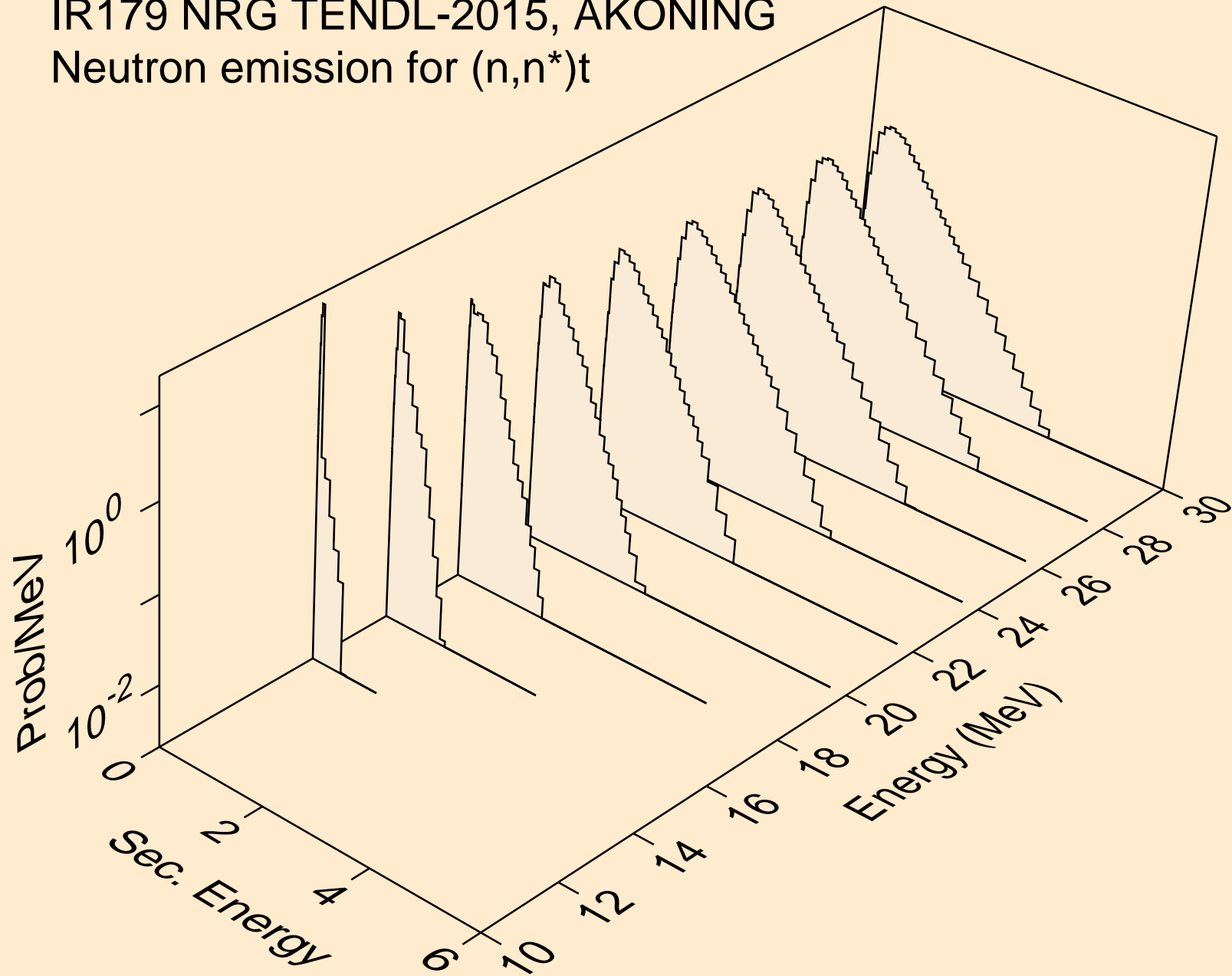


IR179 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d

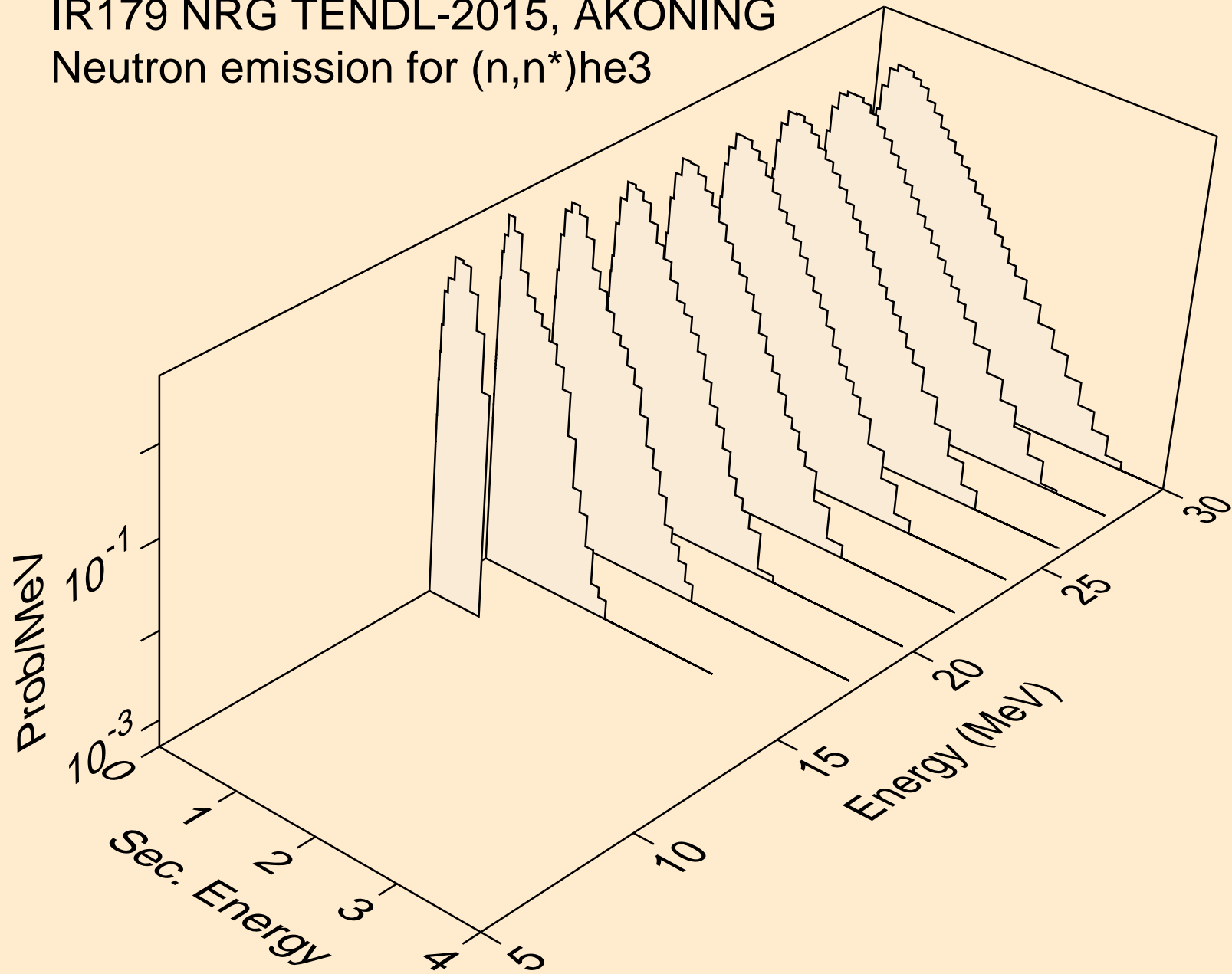




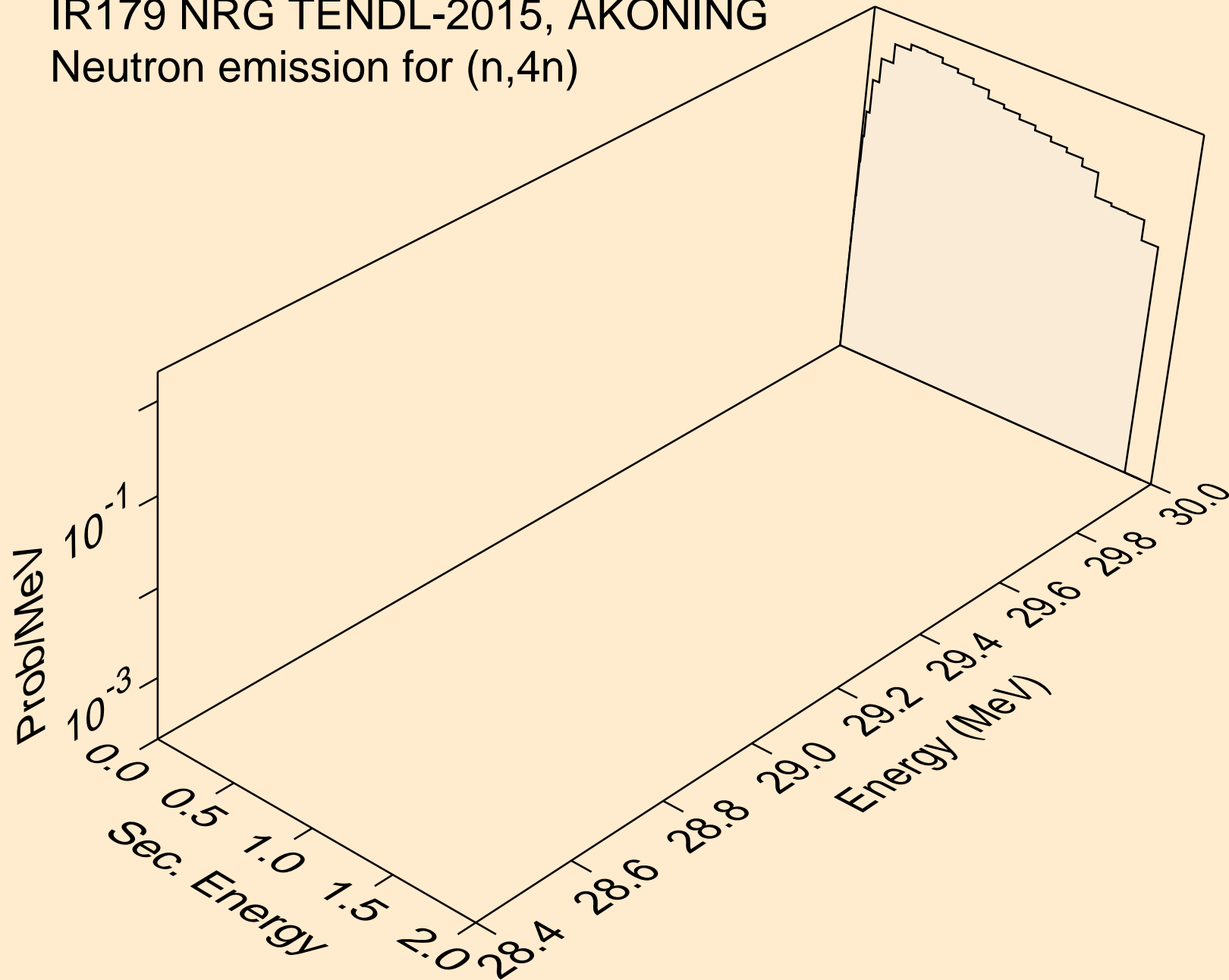
IR179 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



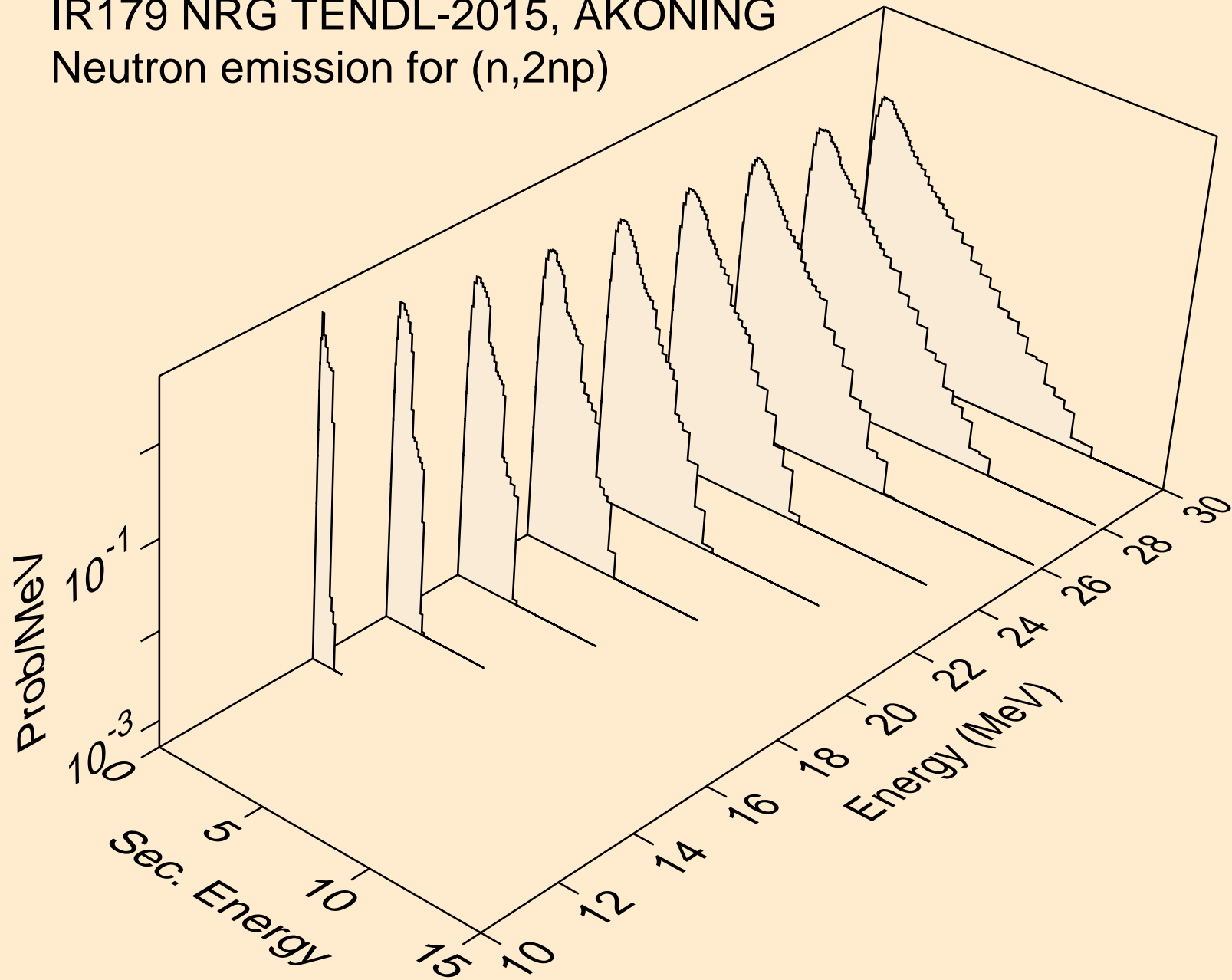
IR179 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



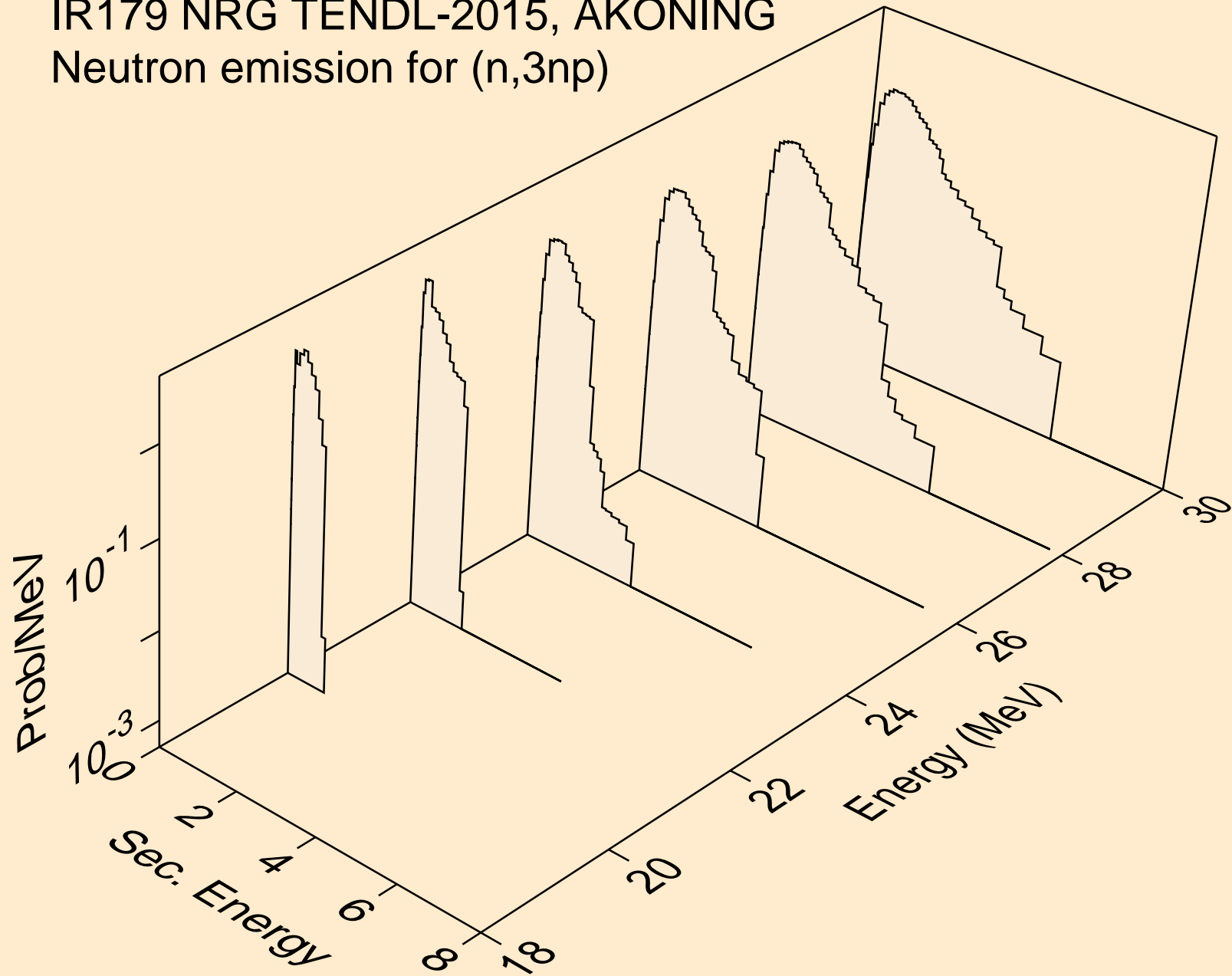
IR179 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



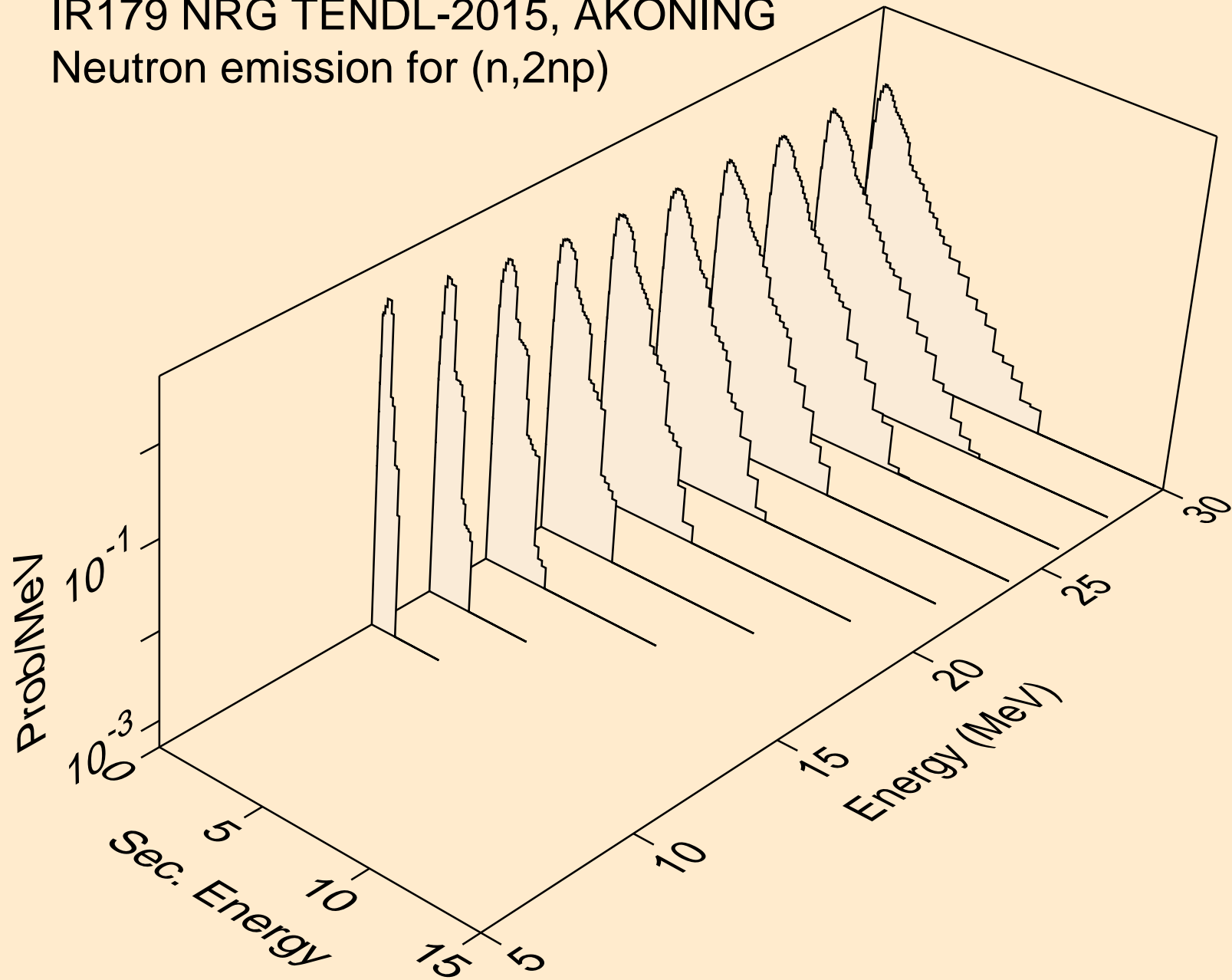
IR179 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



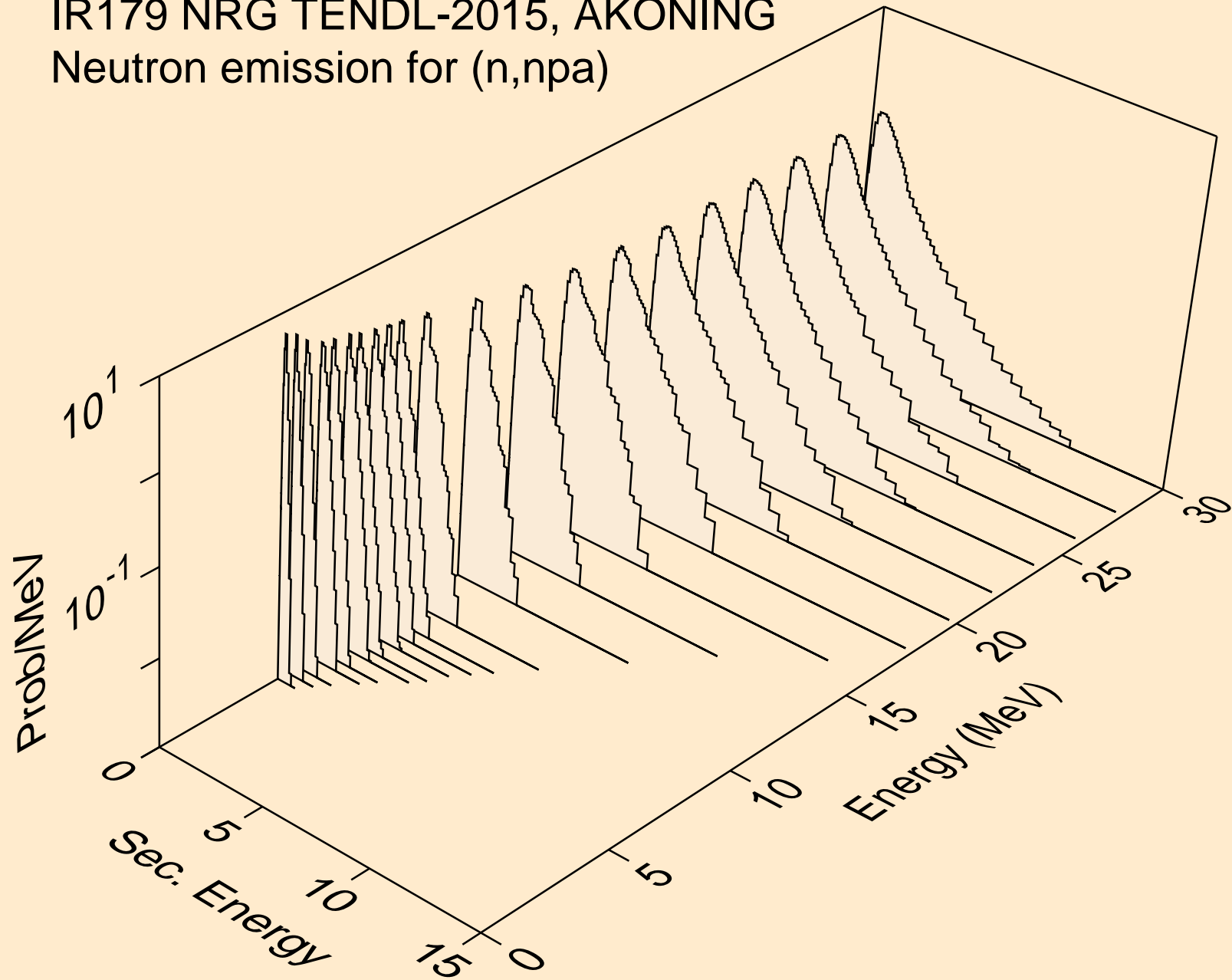
IR179 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



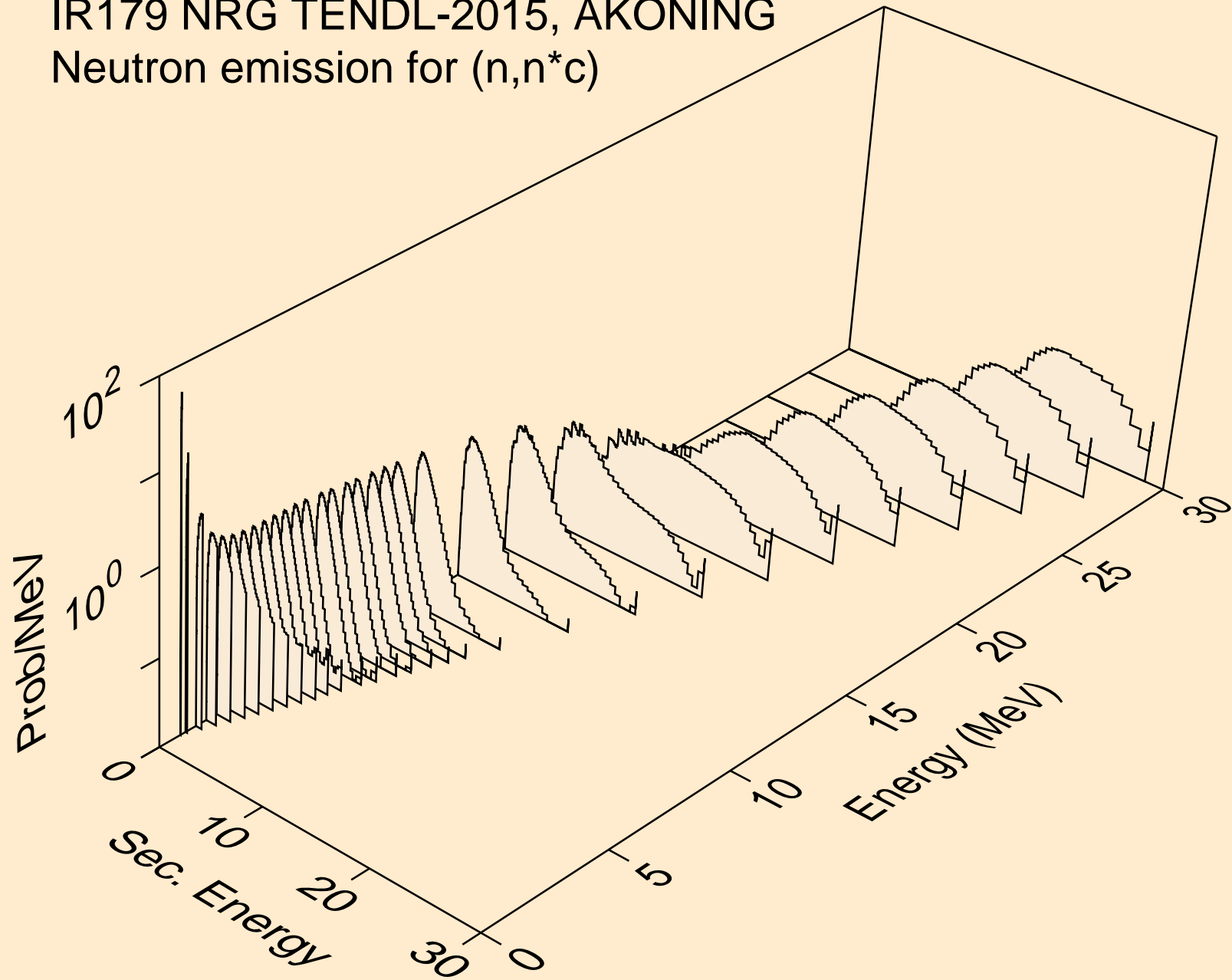
IR179 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



IR179 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)

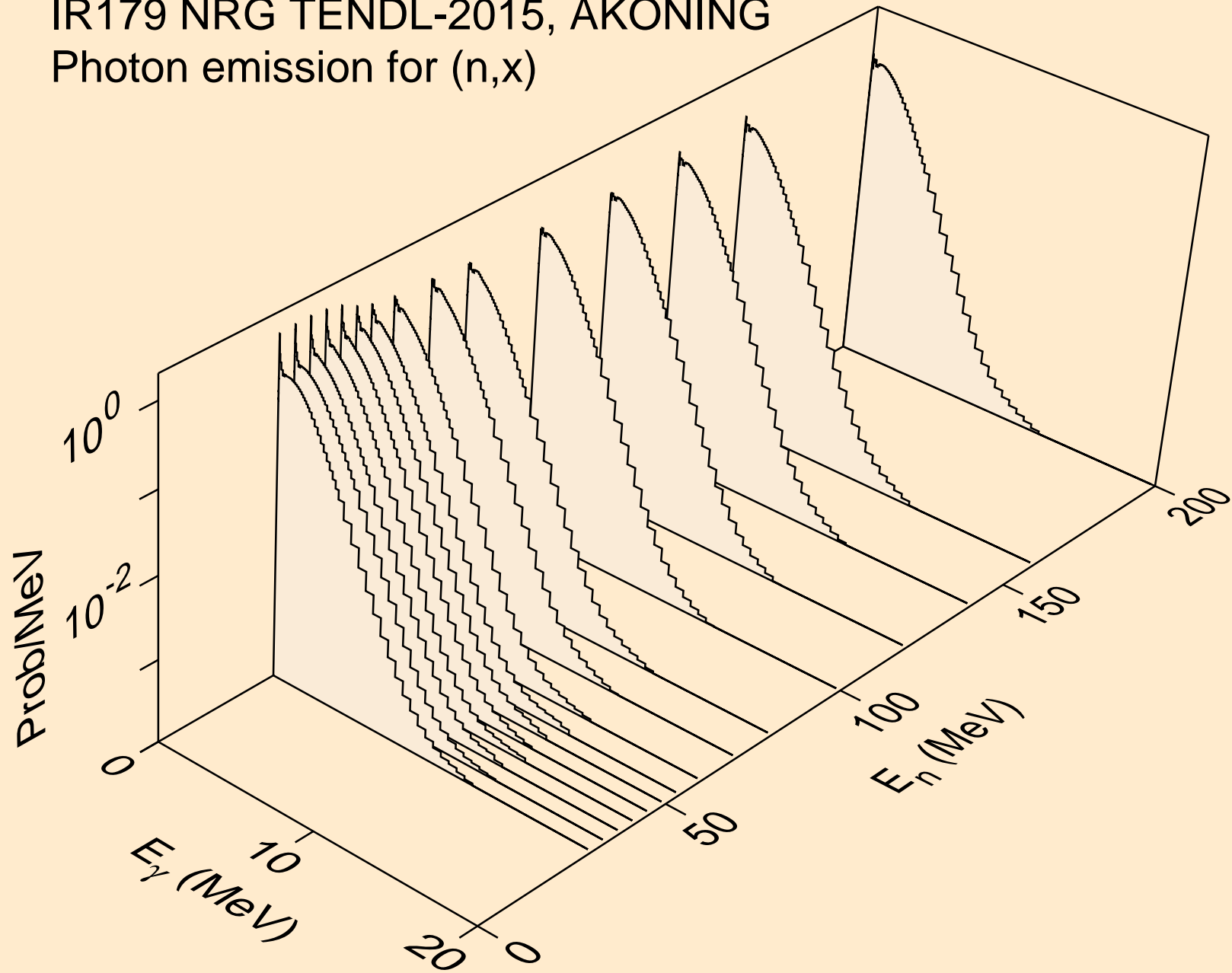


IR179 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)

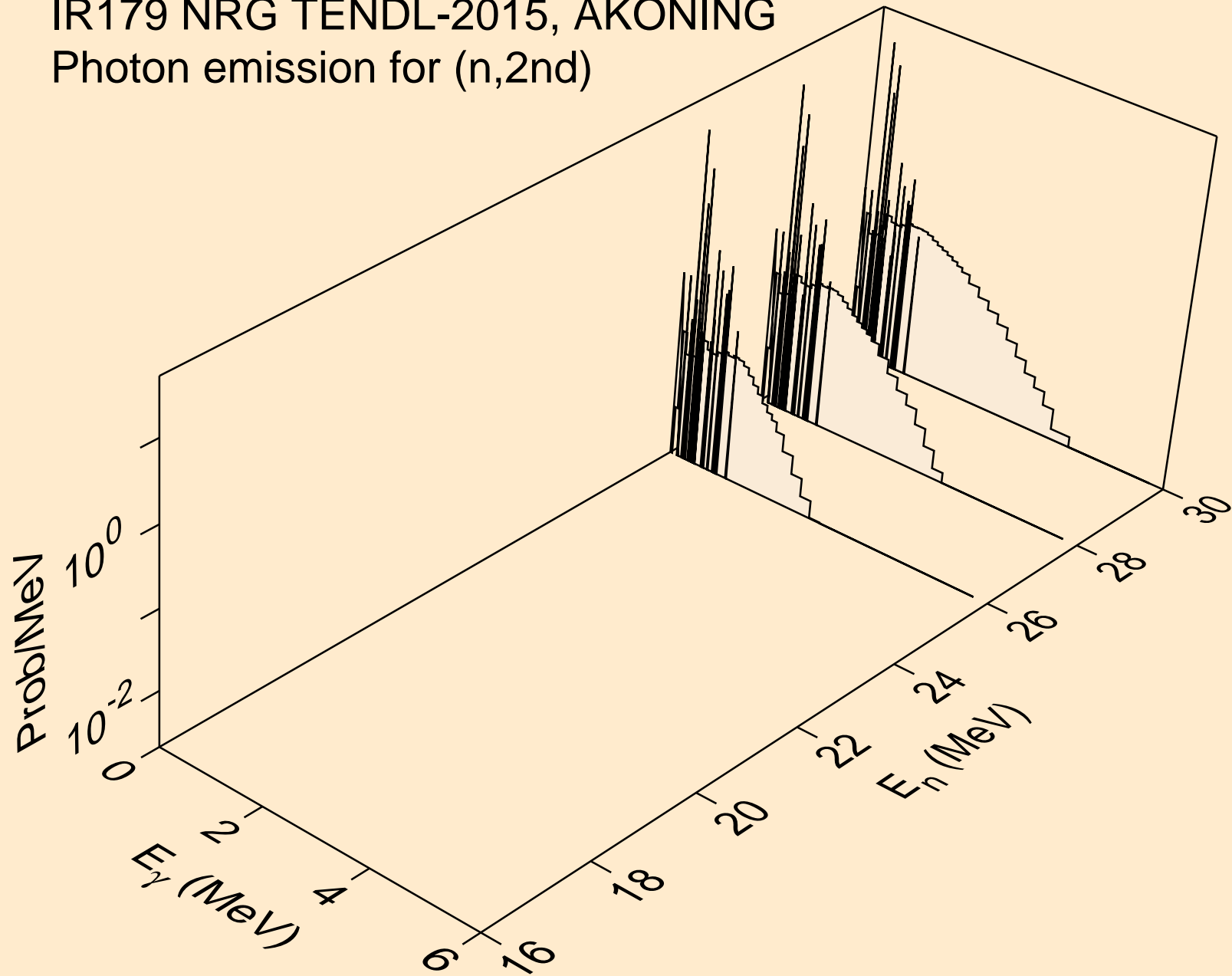




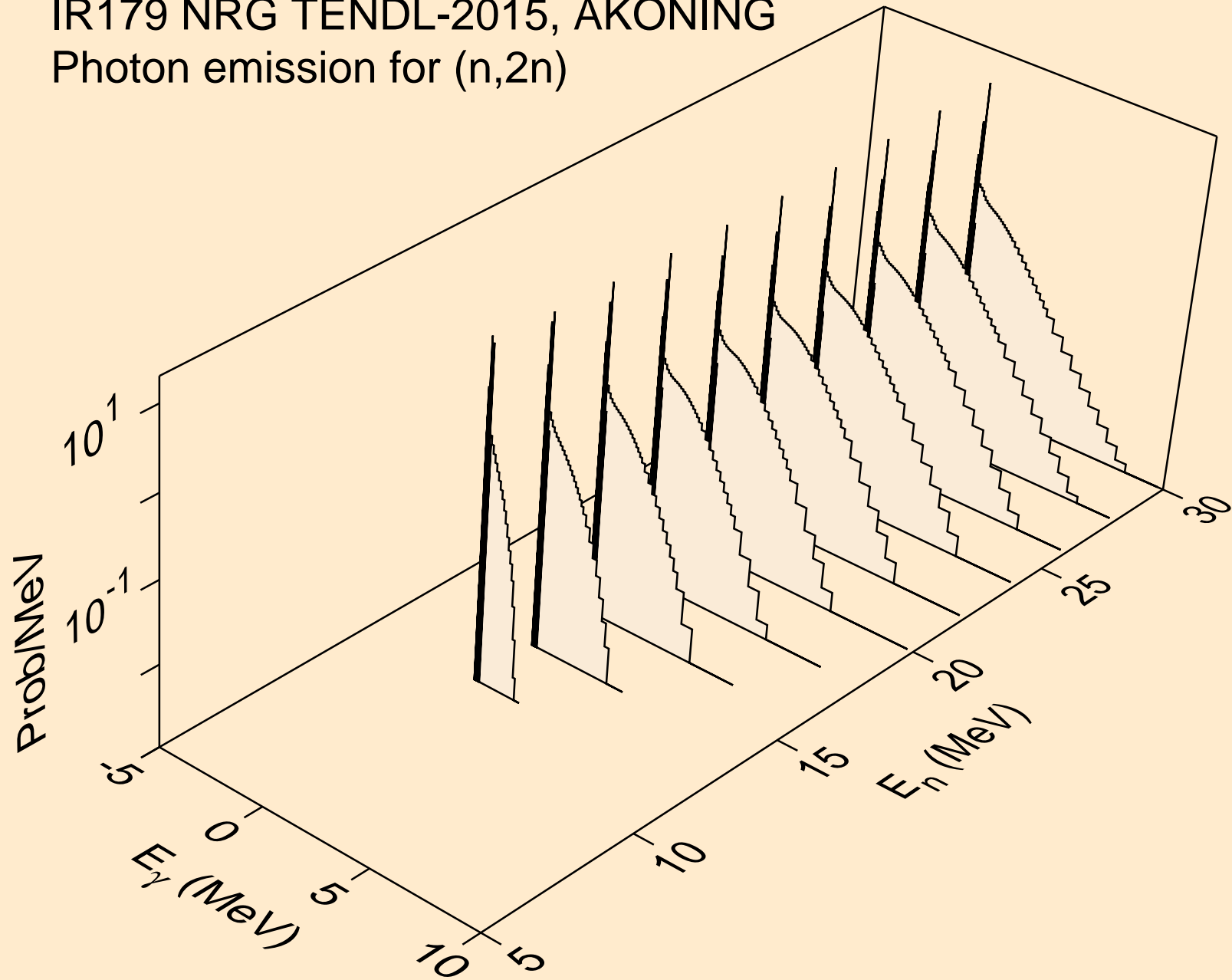
IR179 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



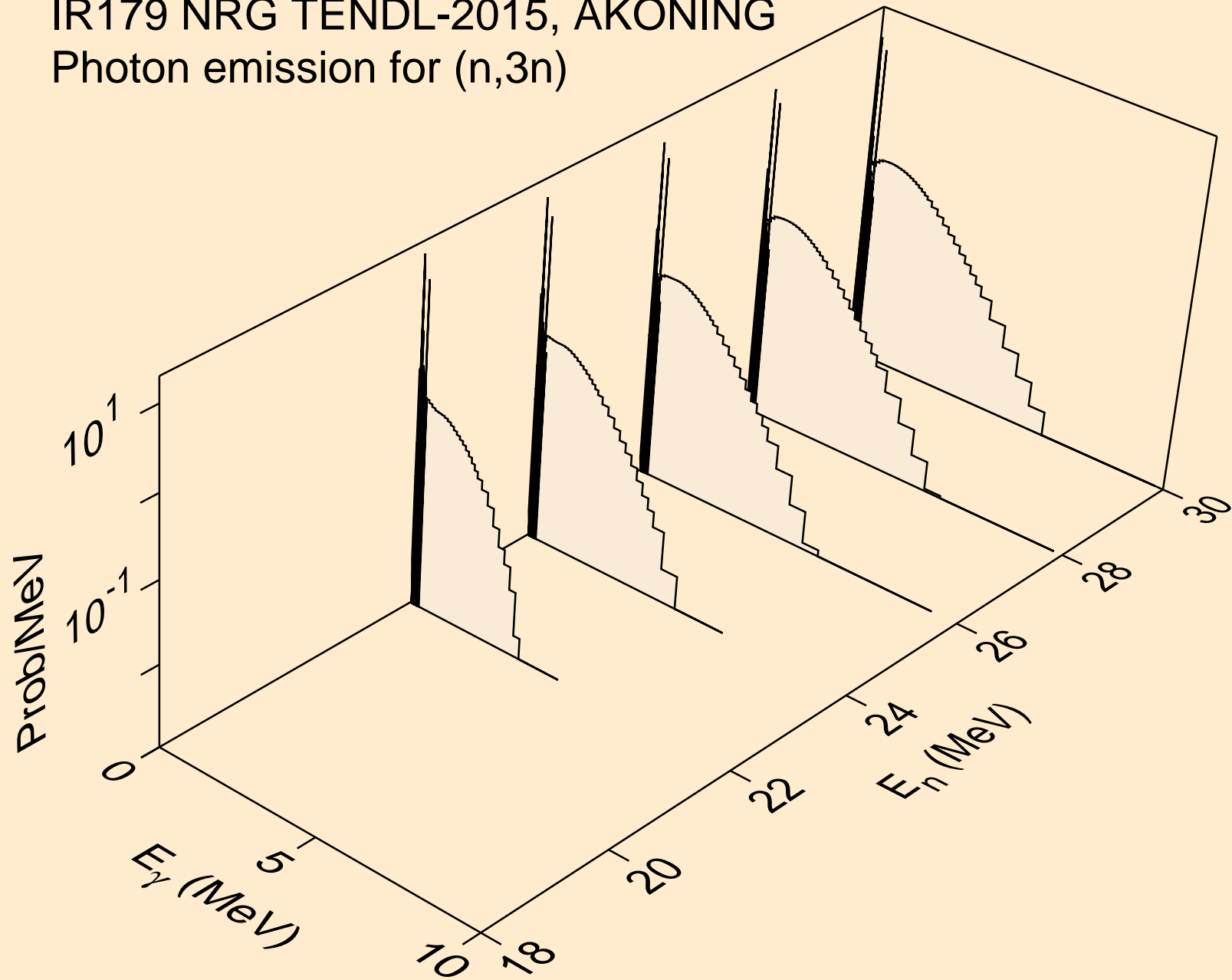
IR179 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



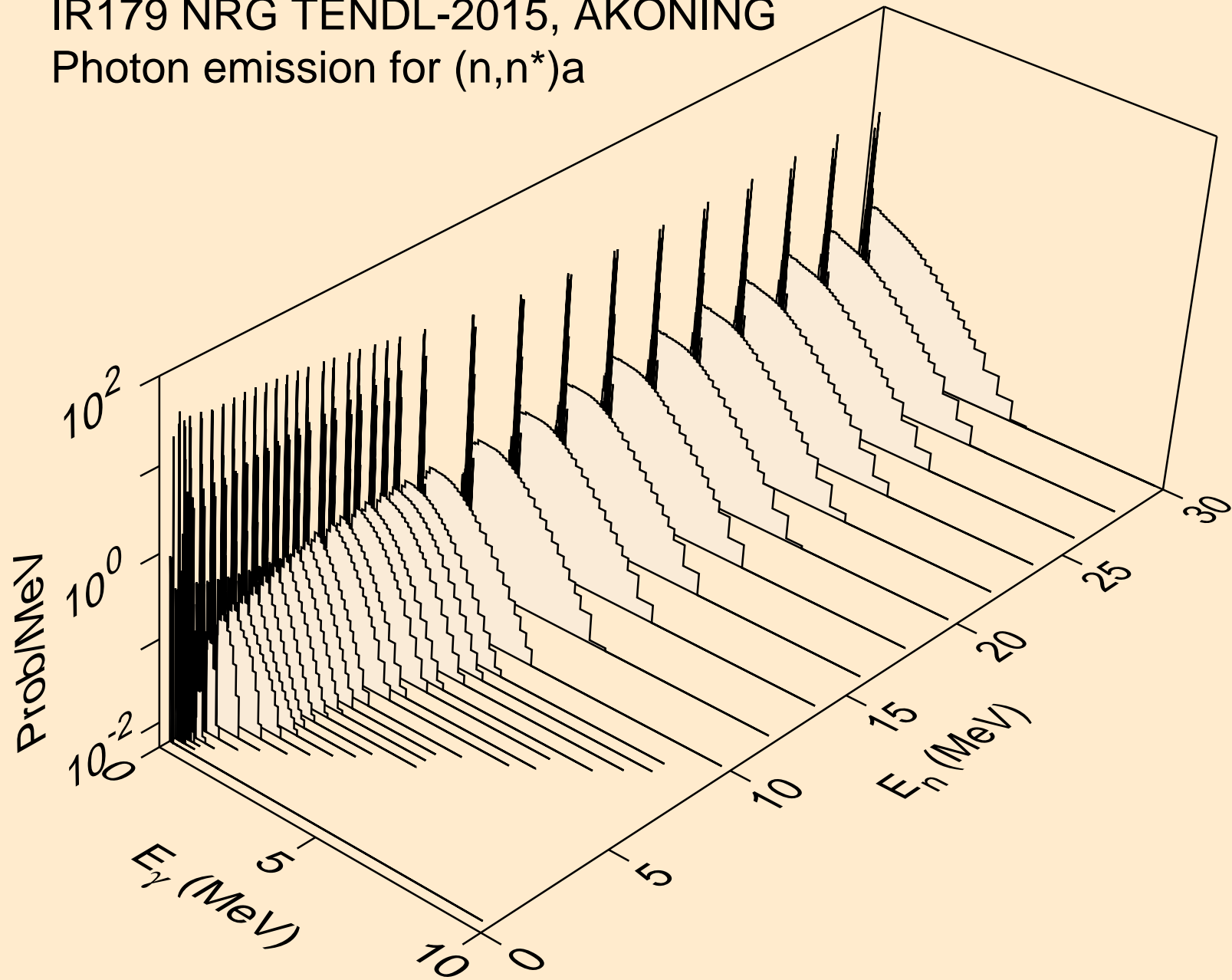
IR179 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



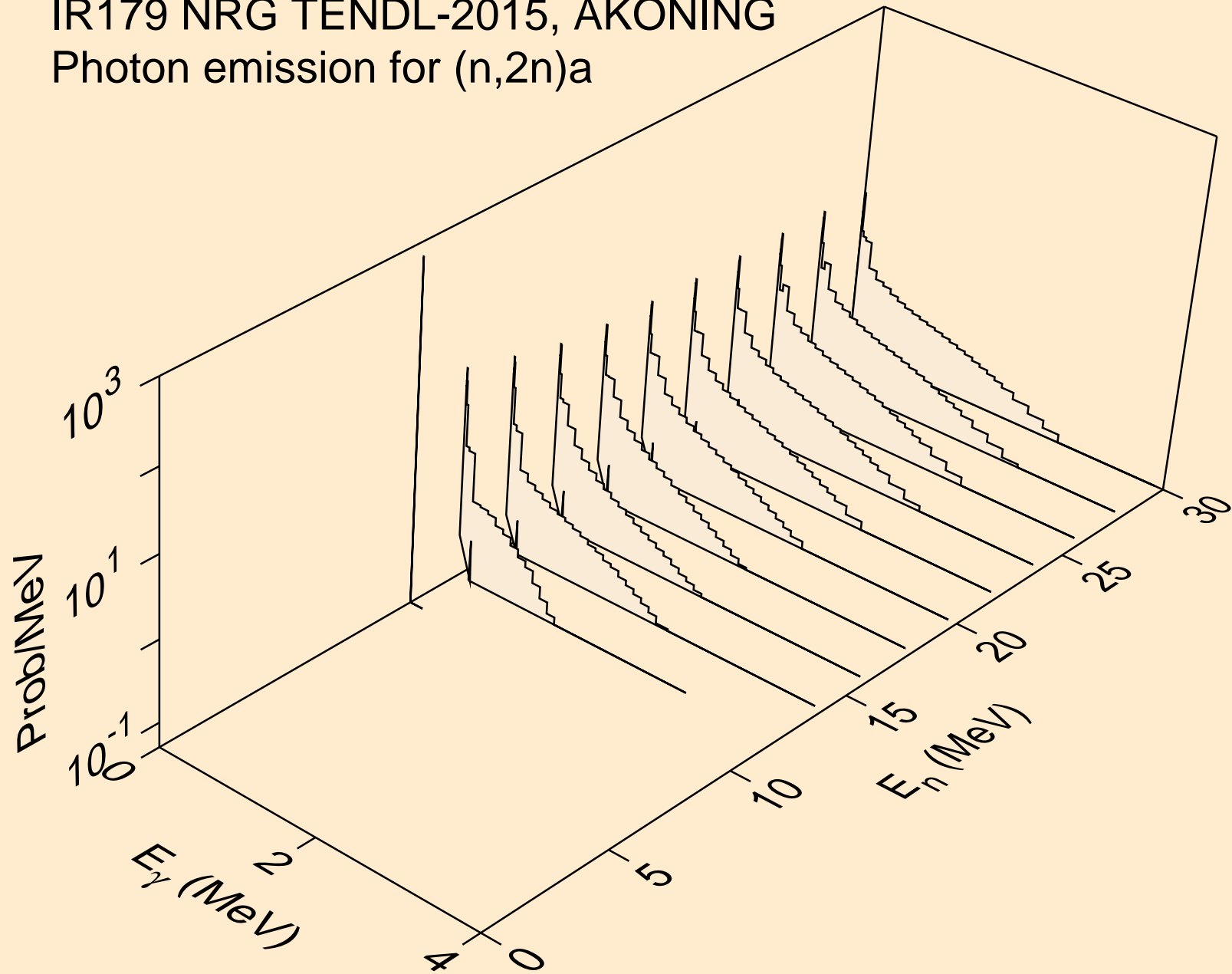
IR179 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



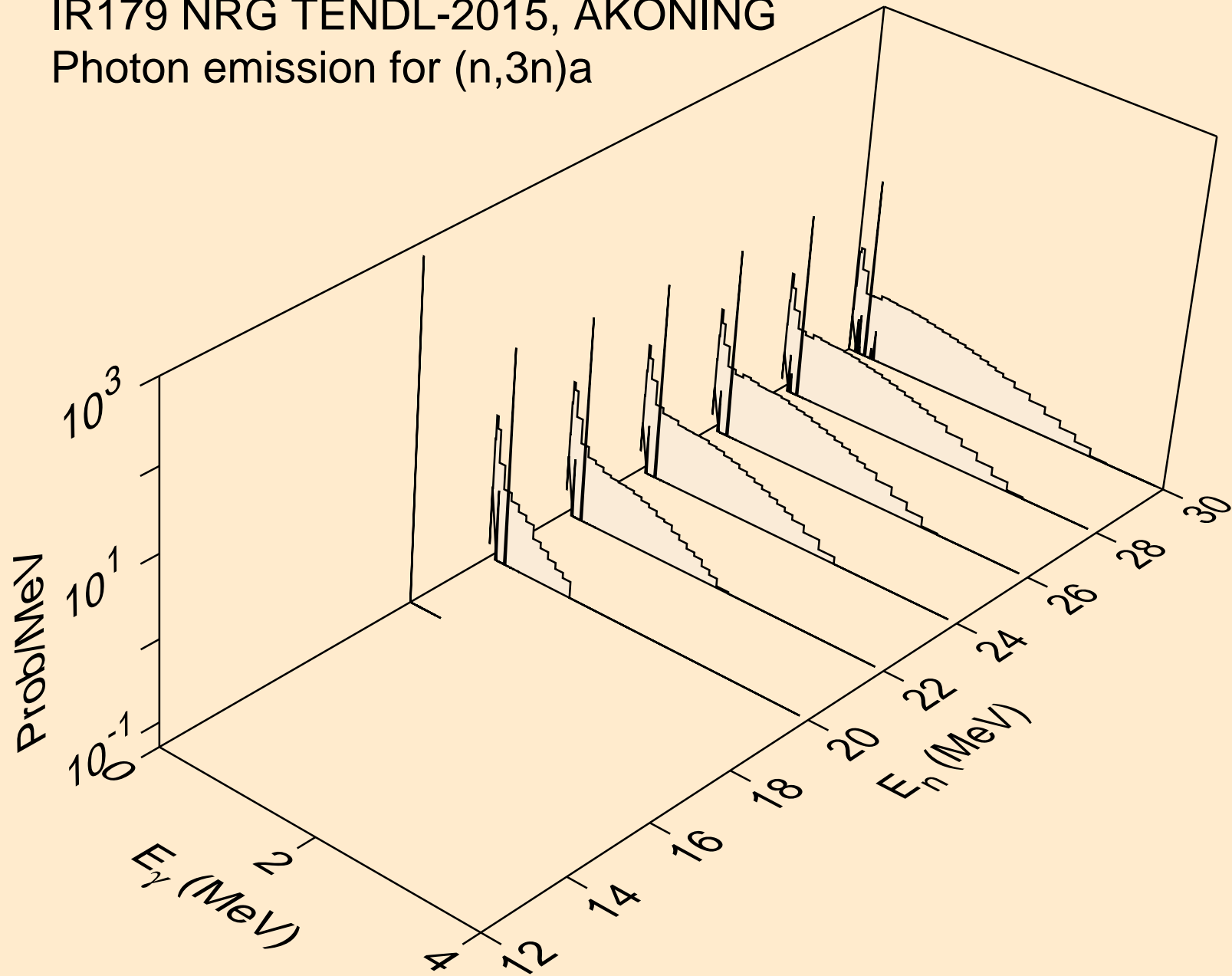
IR179 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



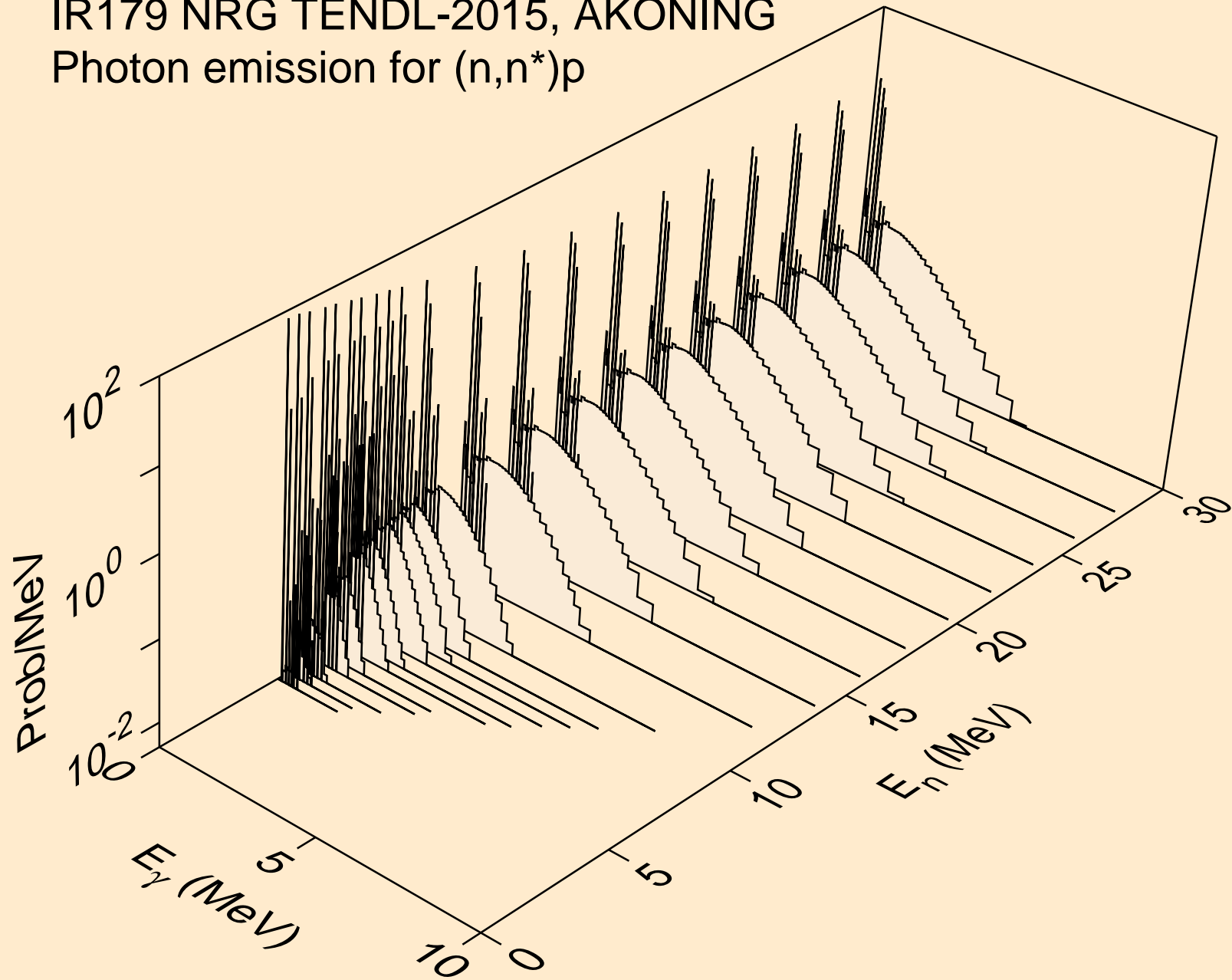
IR179 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



IR179 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a

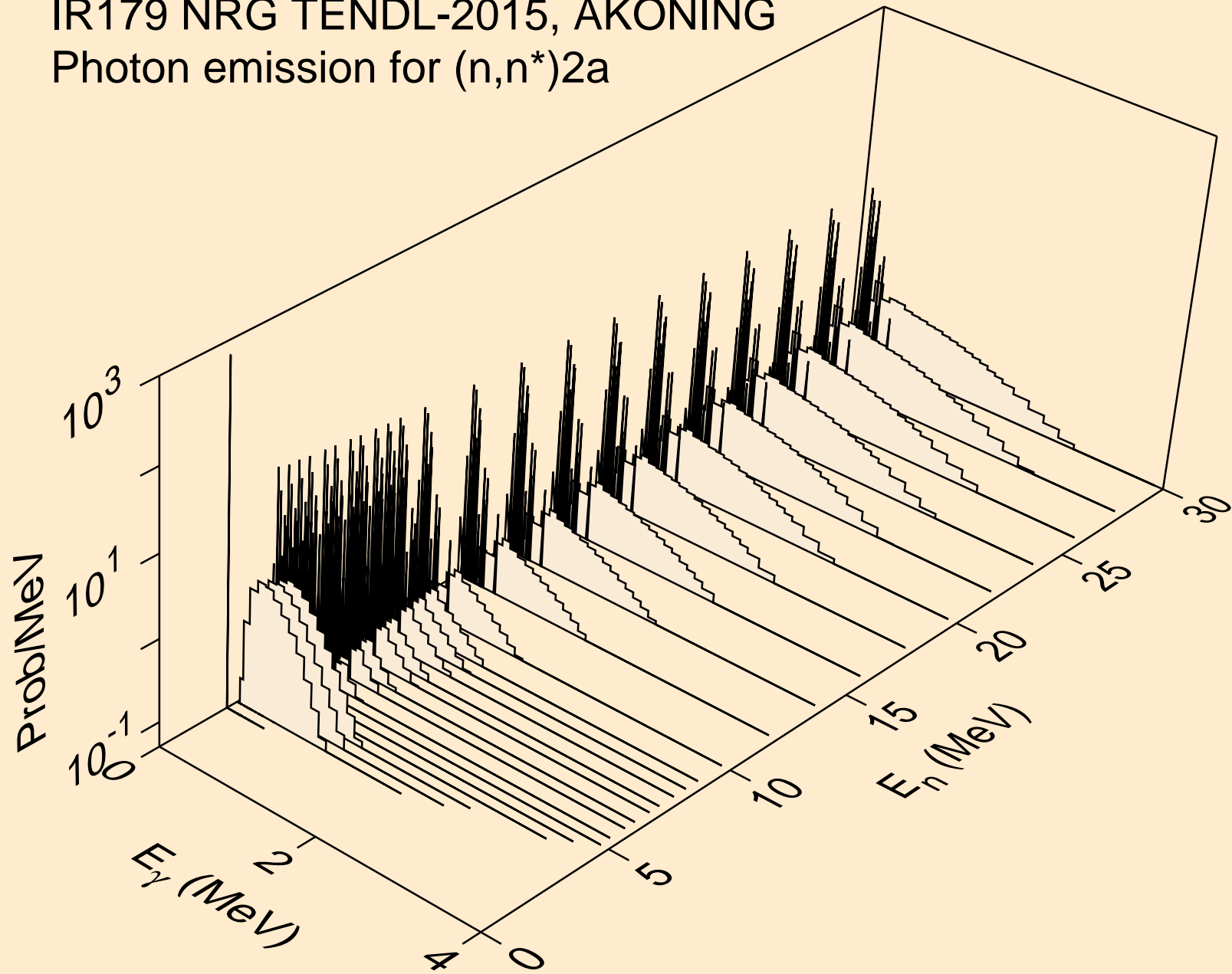


IR179 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p

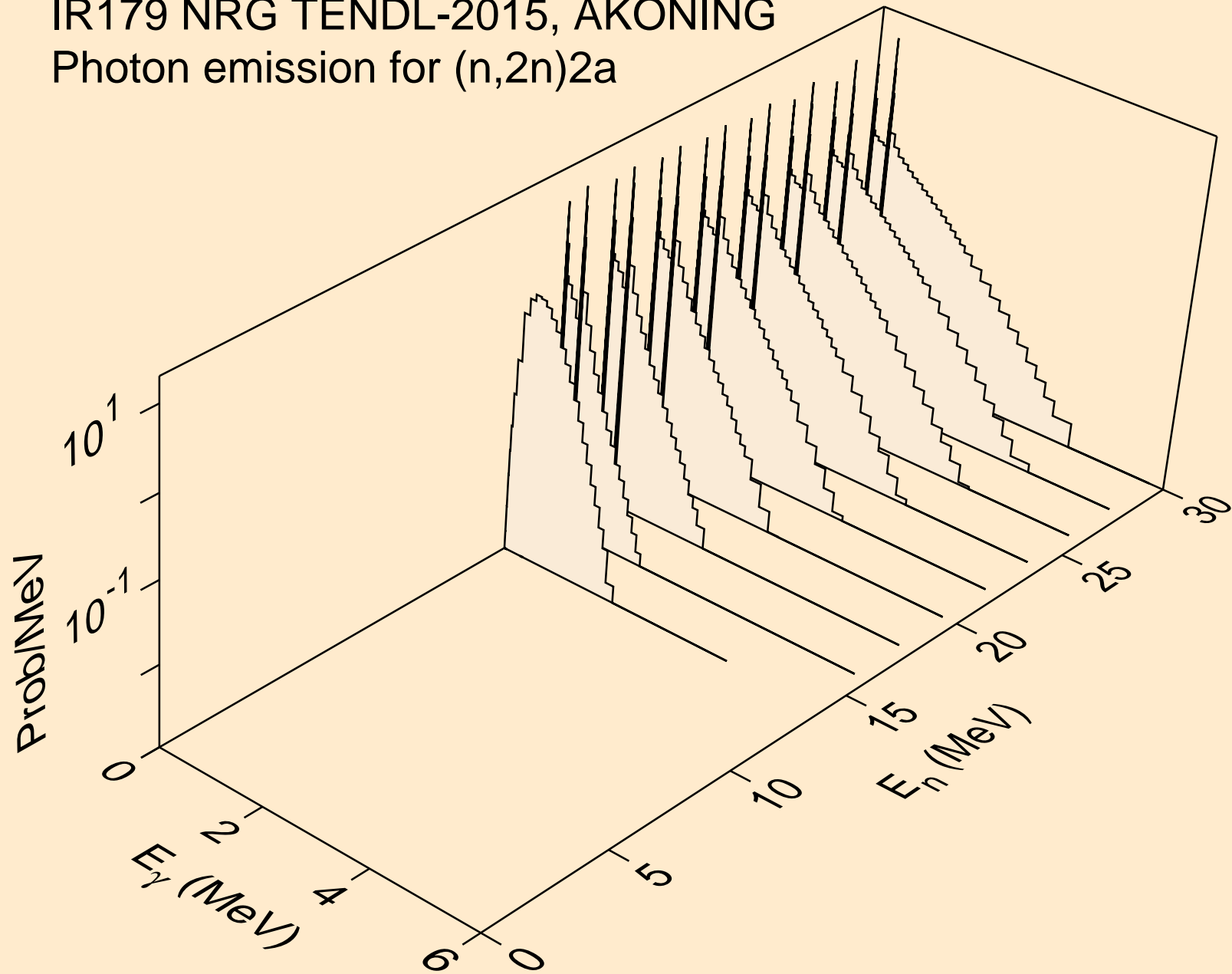




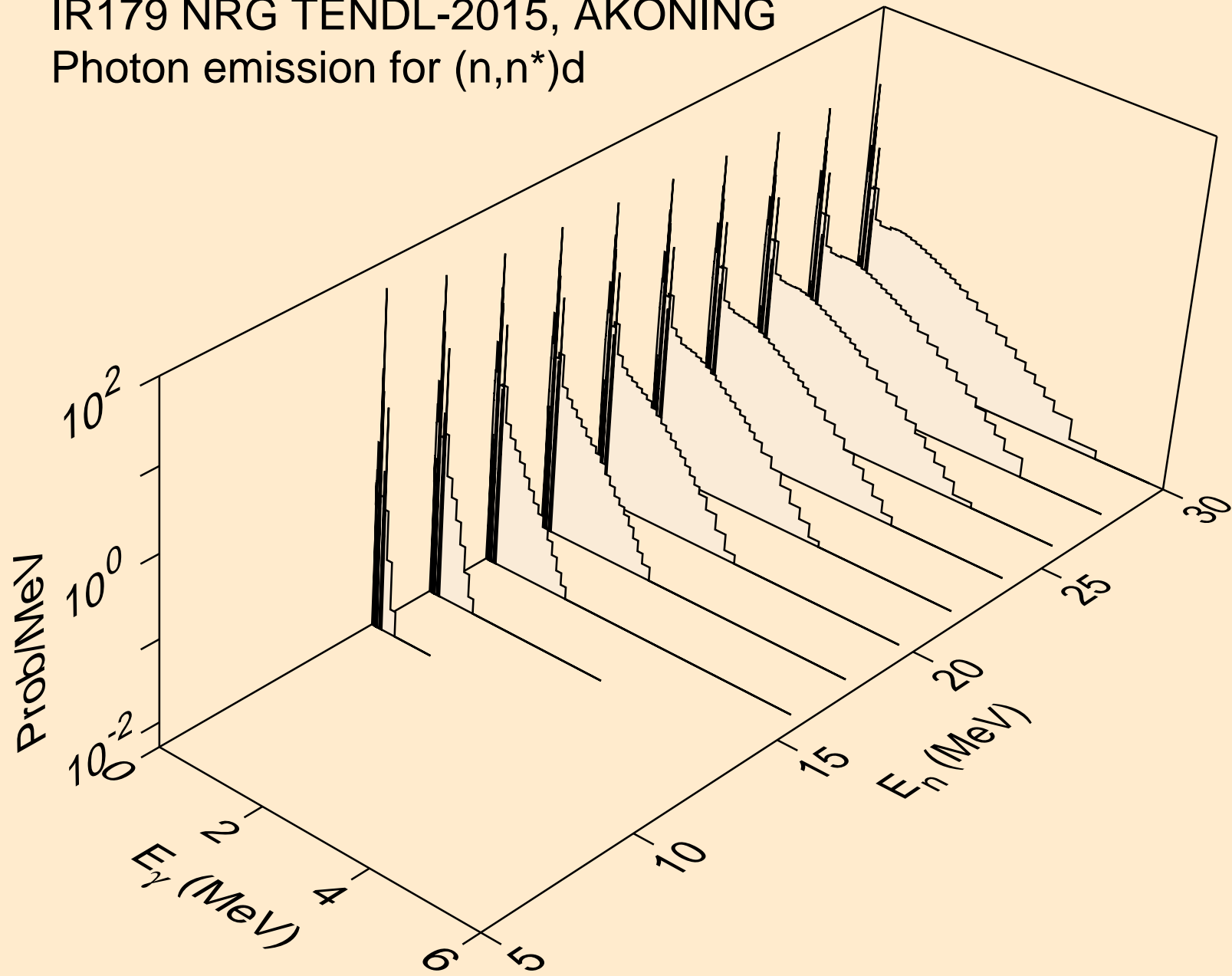
IR179 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



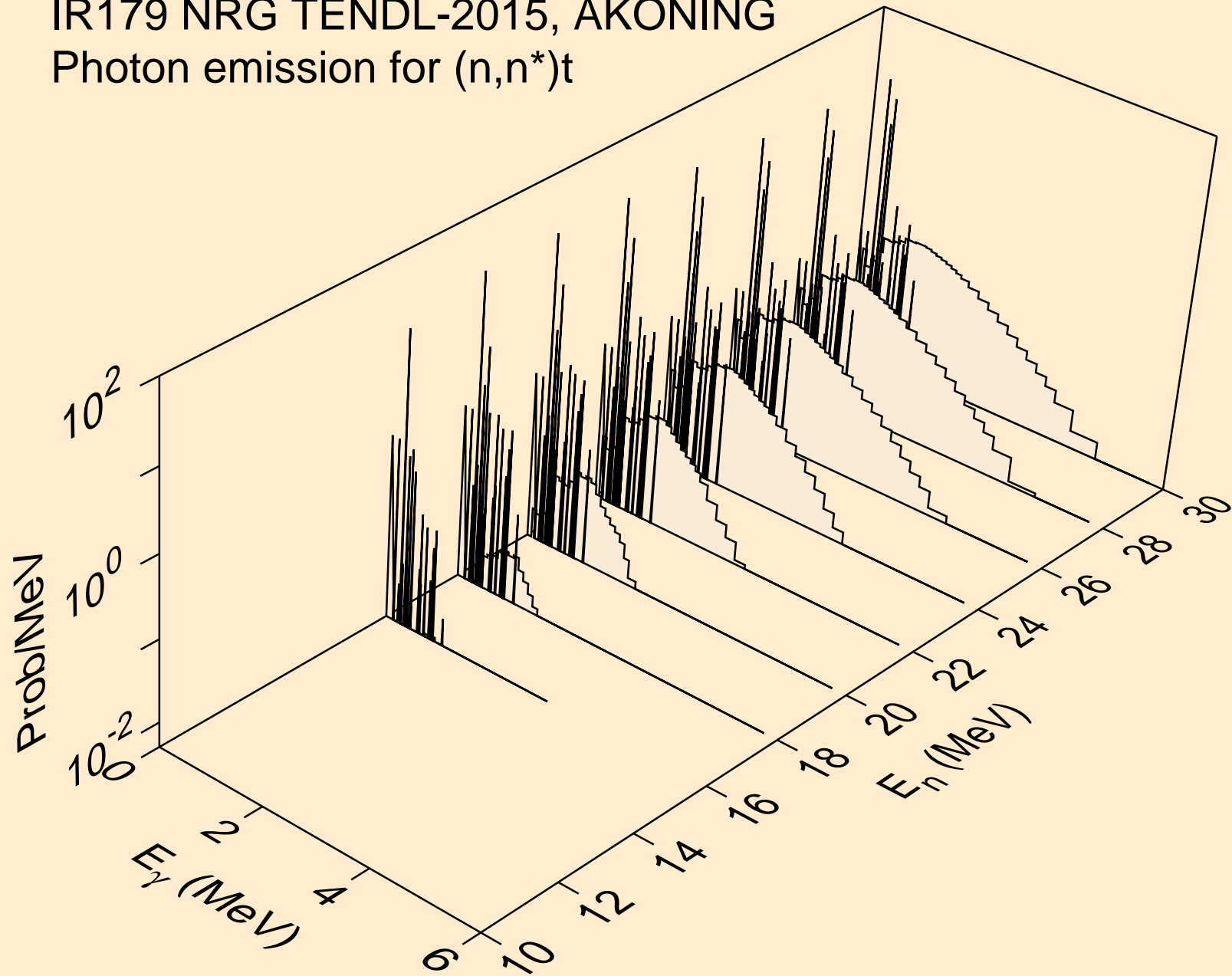
IR179 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a



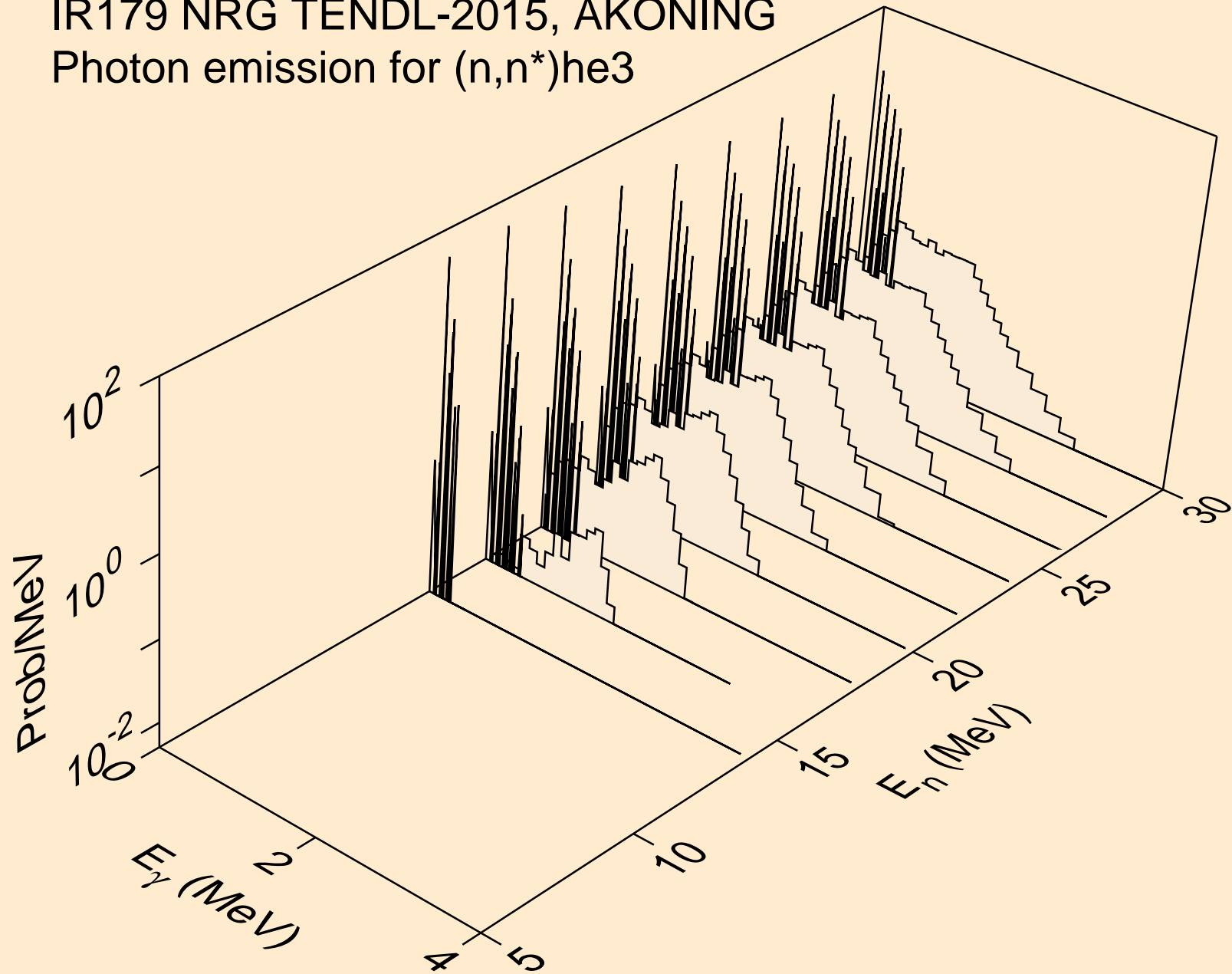
IR179 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d



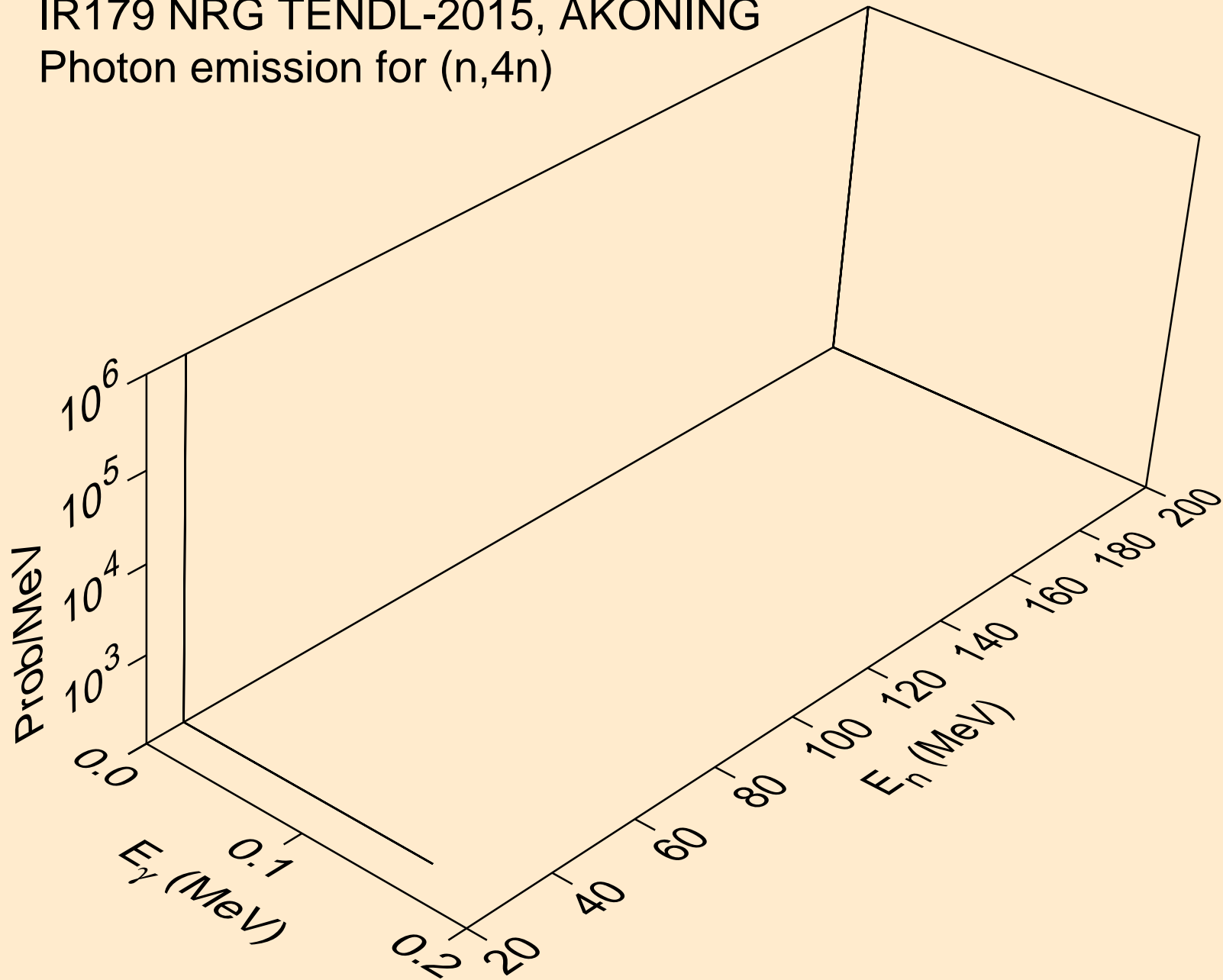
IR179 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



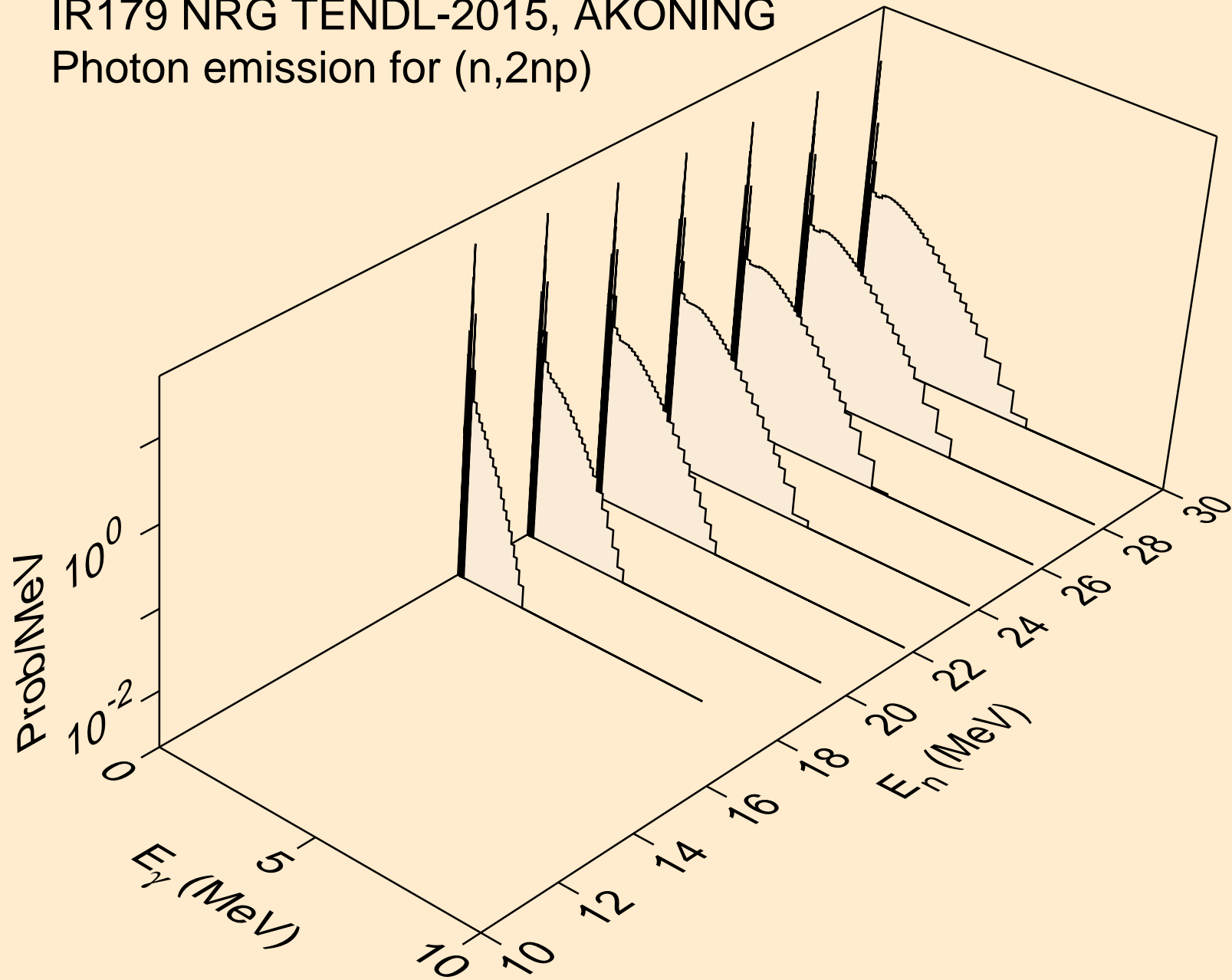
IR179 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



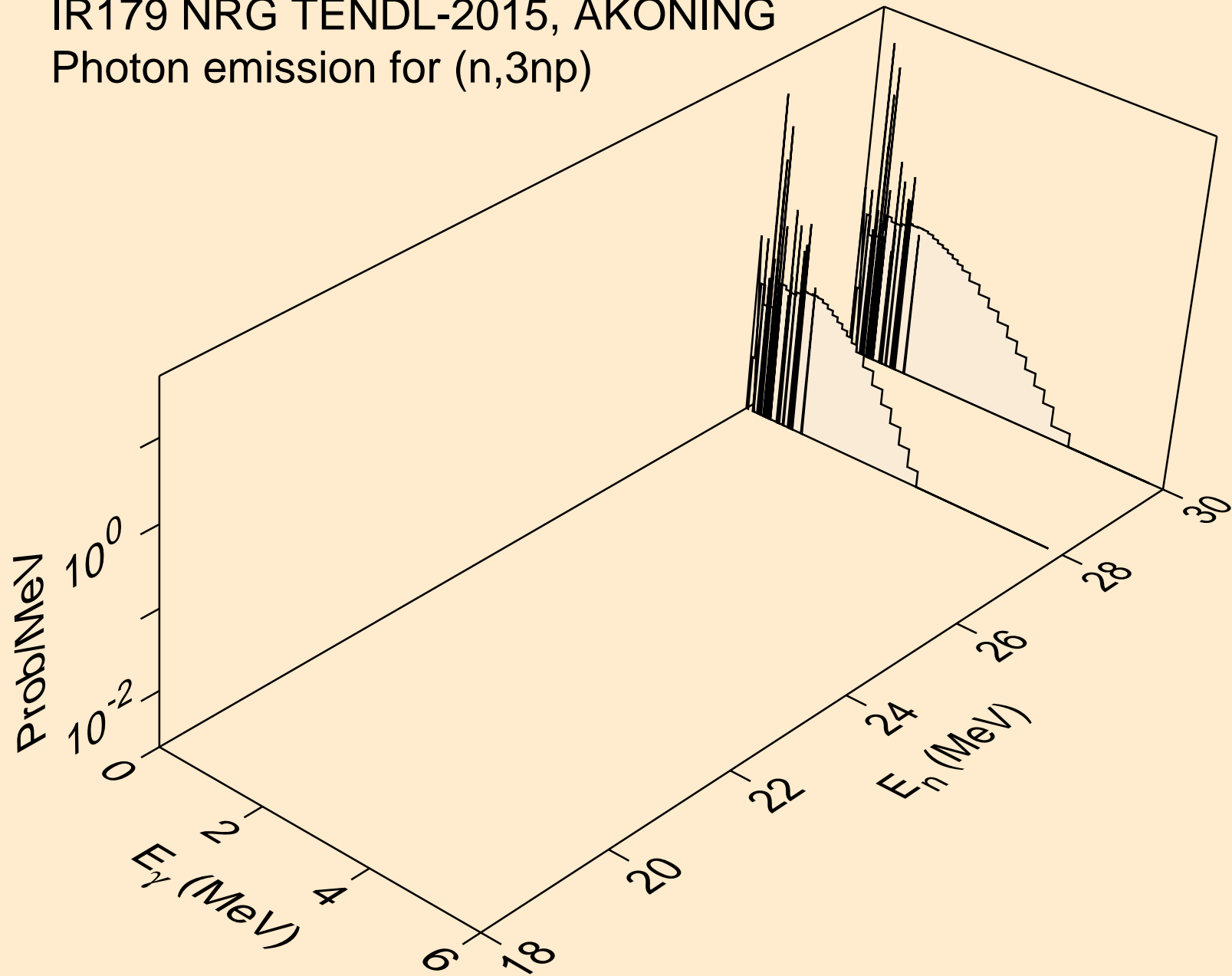
IR179 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



IR179 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)

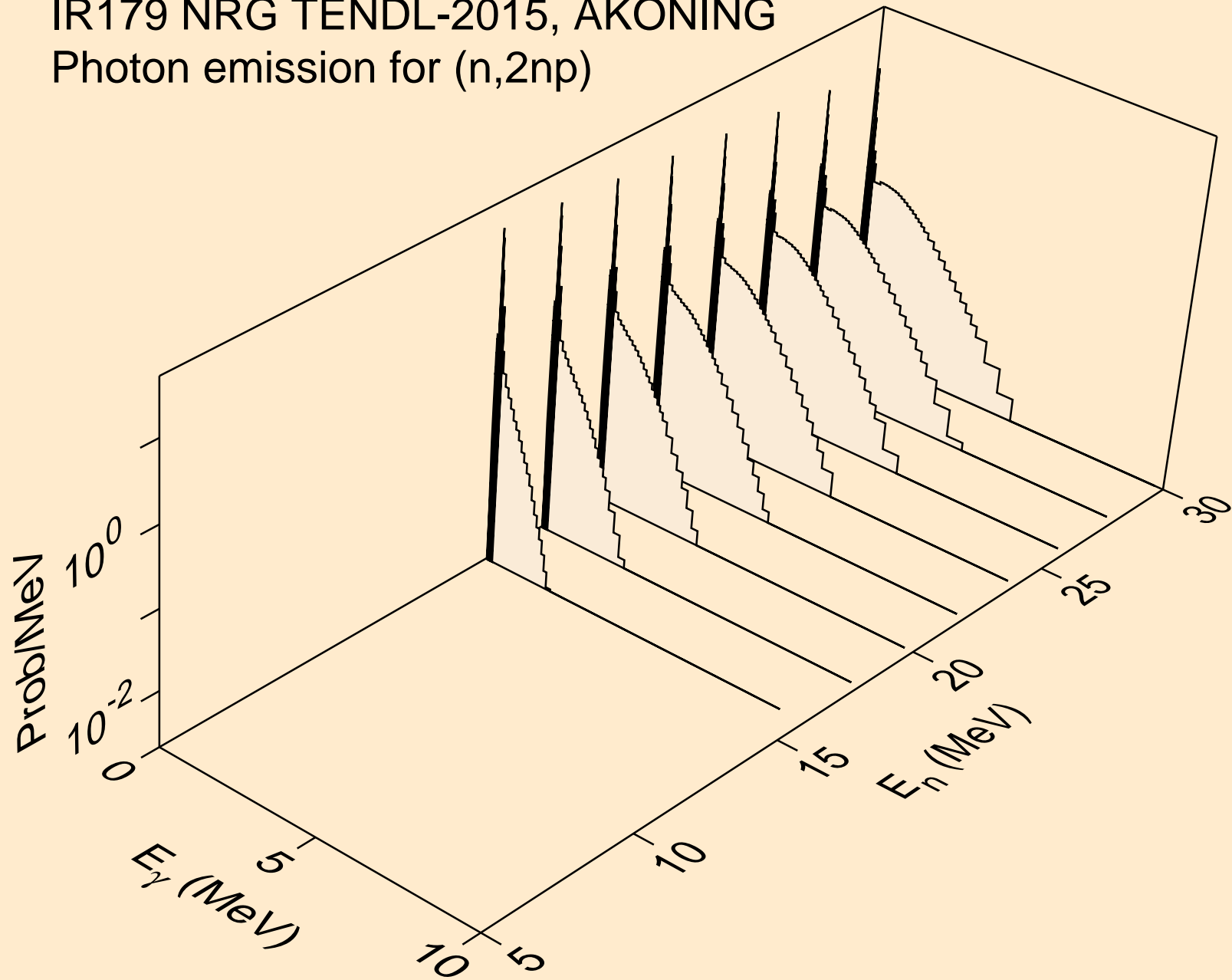


IR179 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)

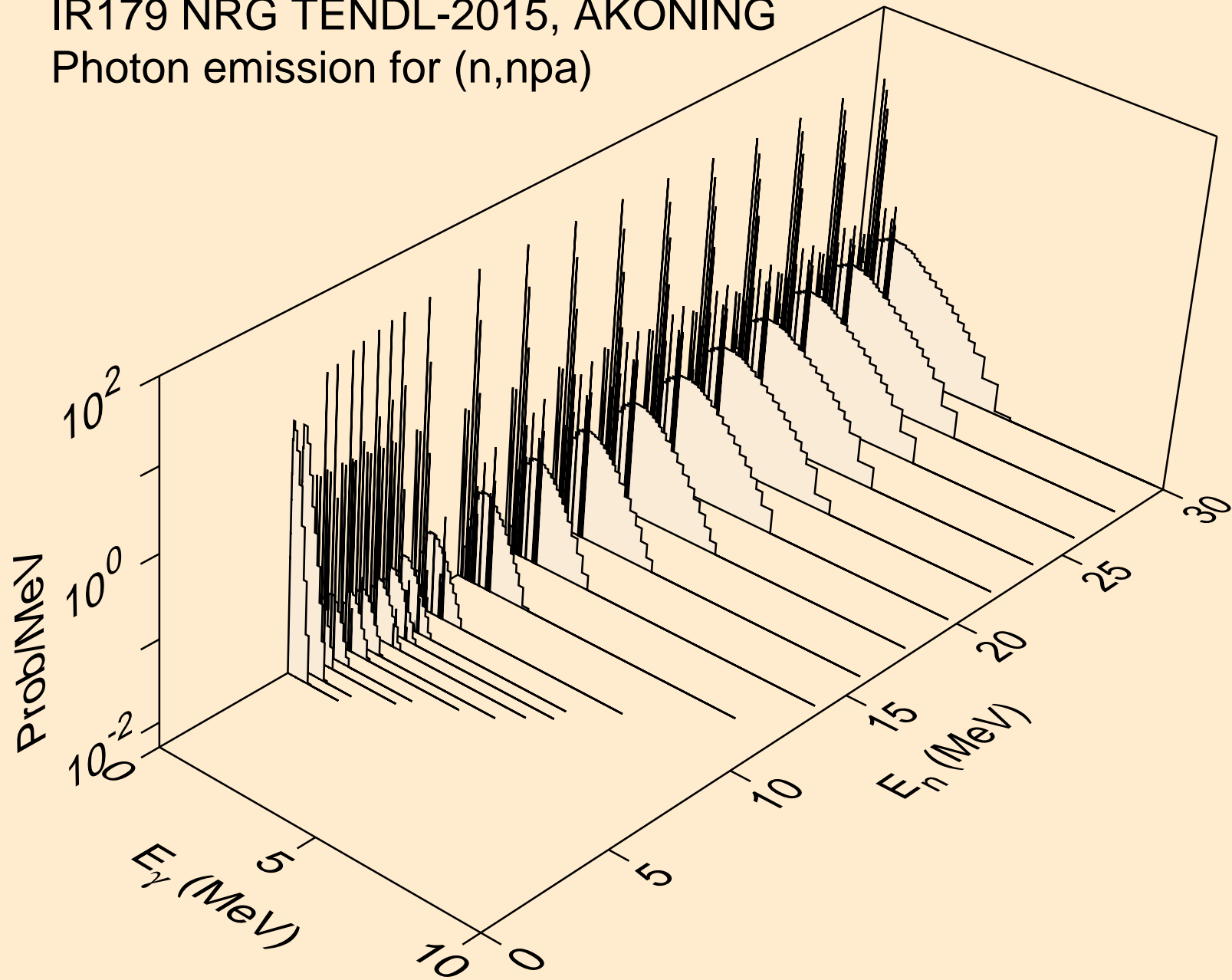




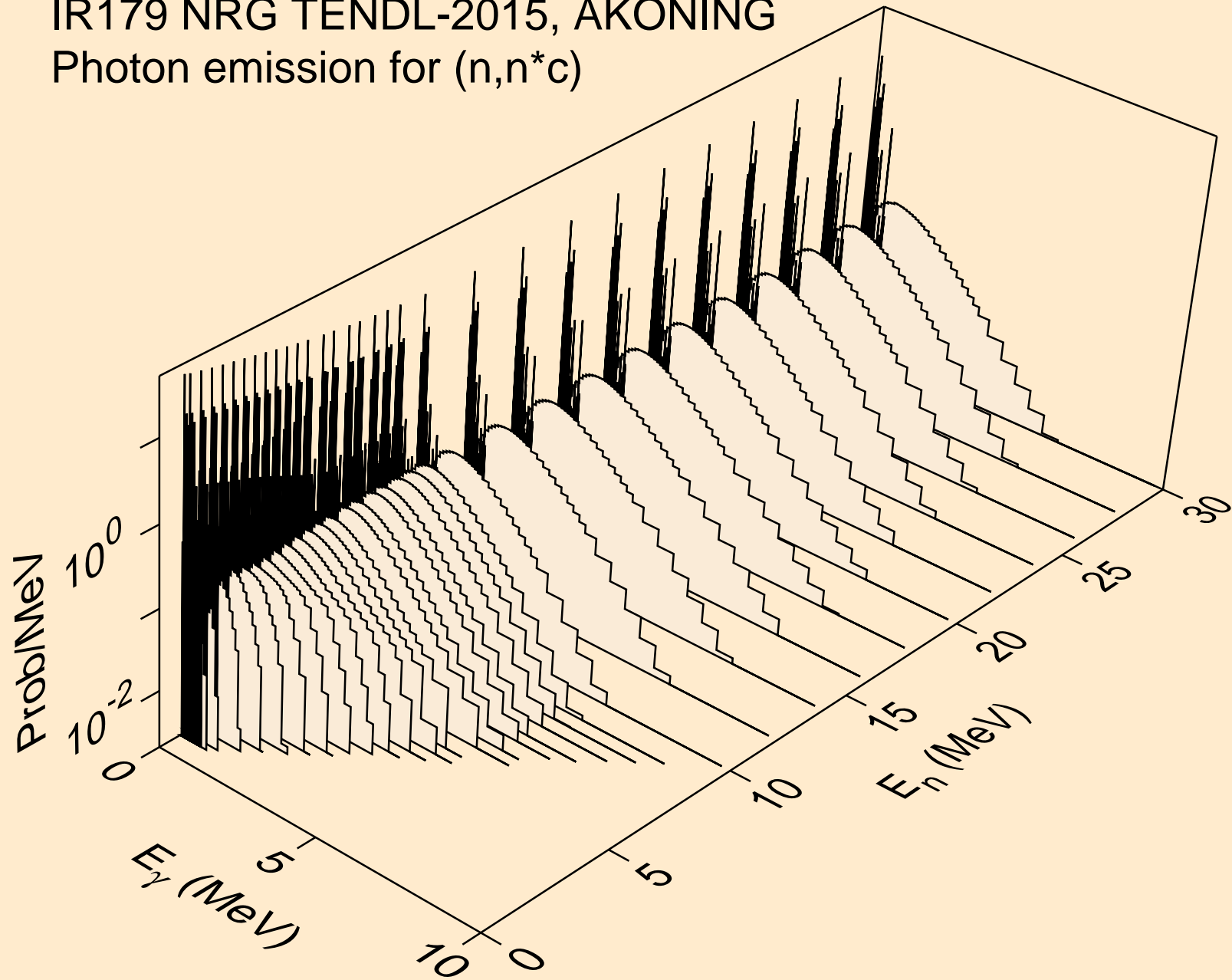
IR179 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



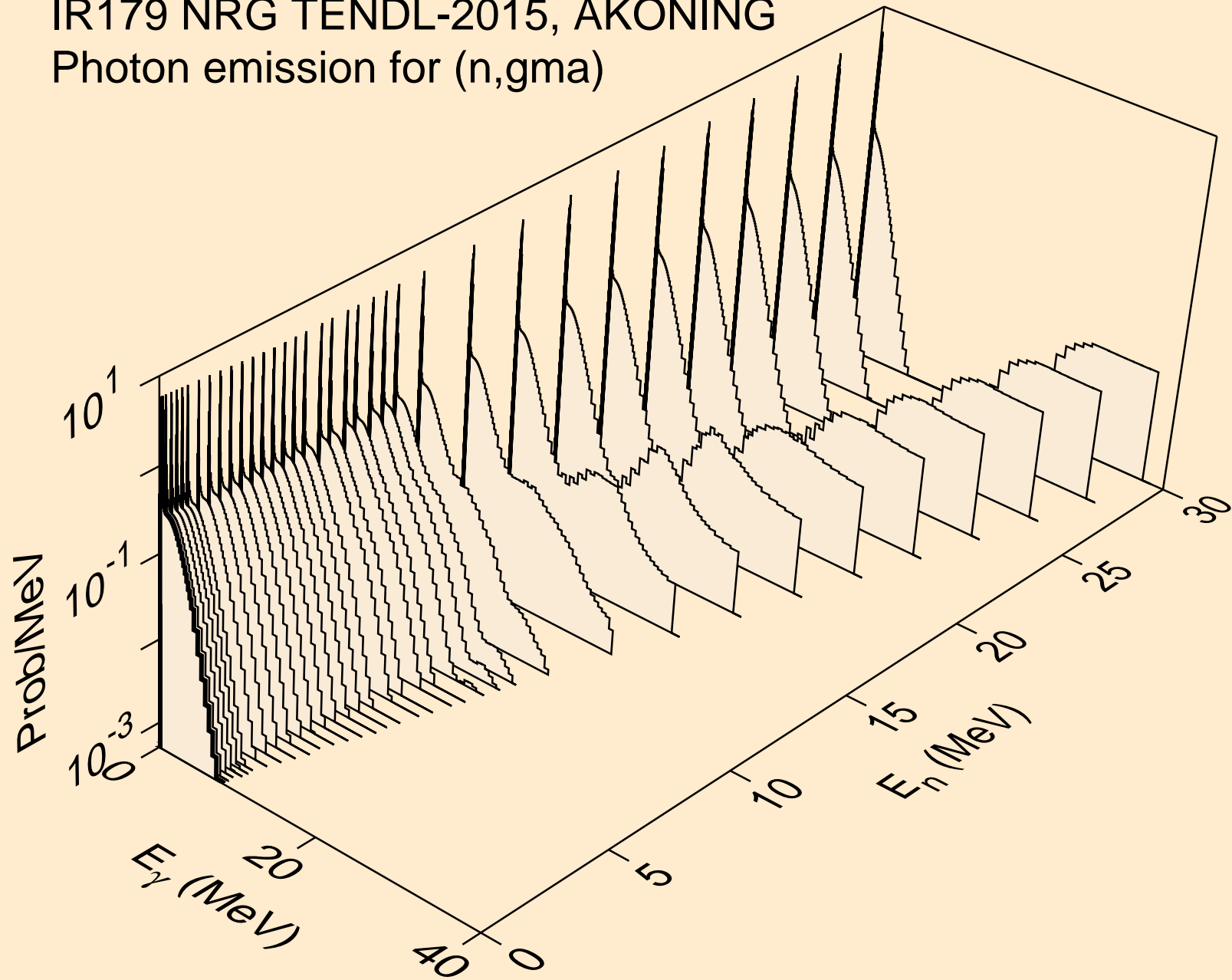
IR179 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



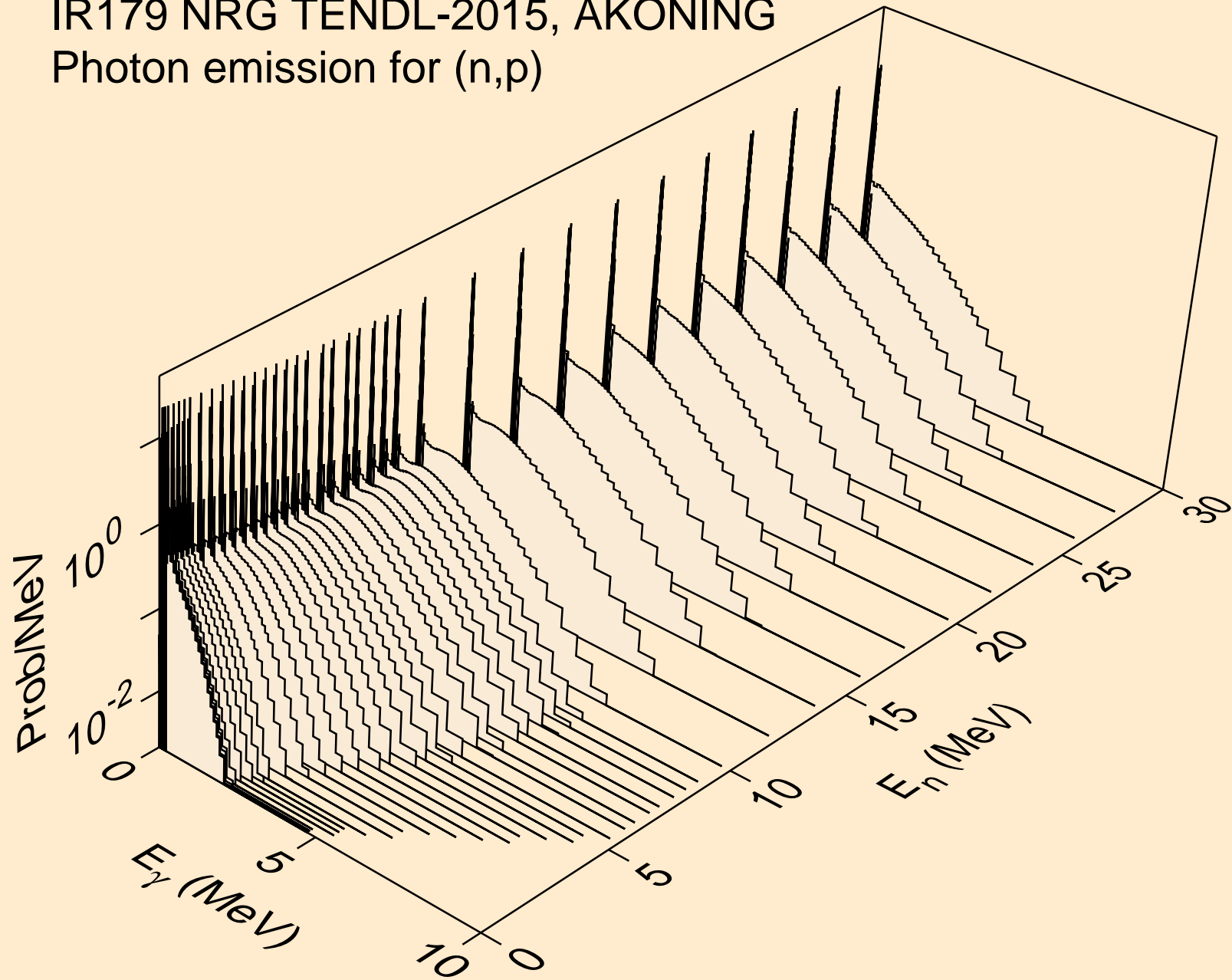
IR179 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



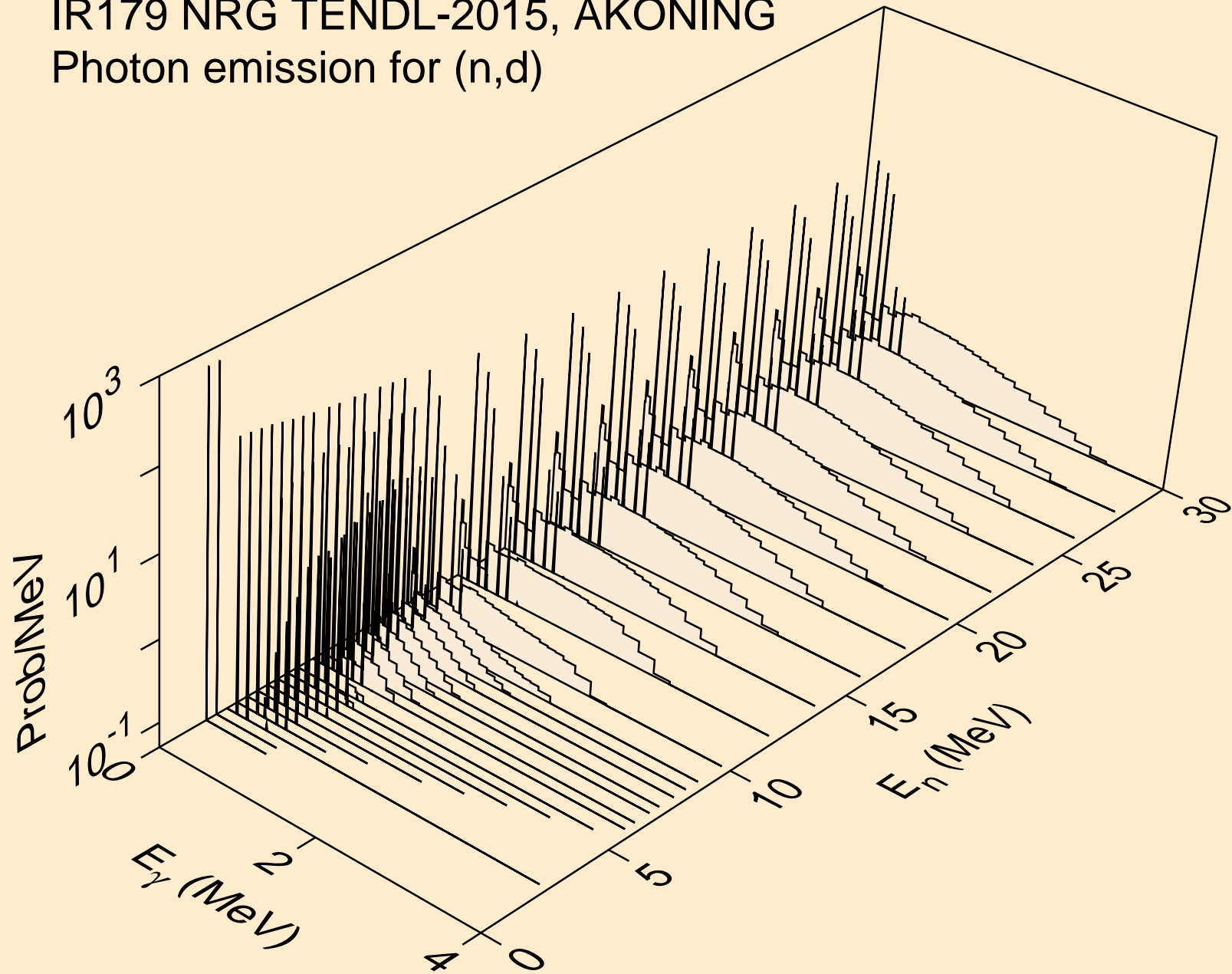
IR179 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



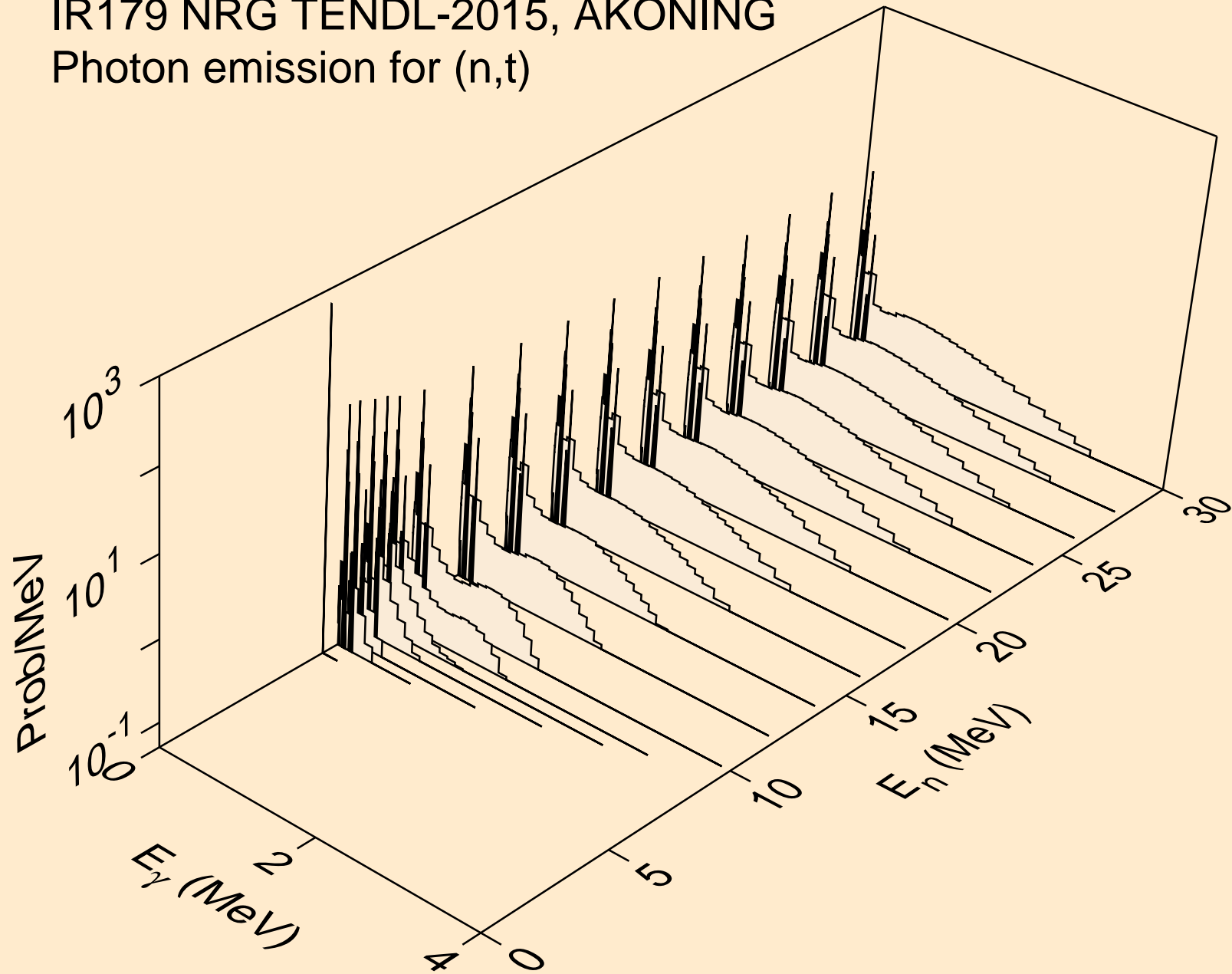
IR179 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



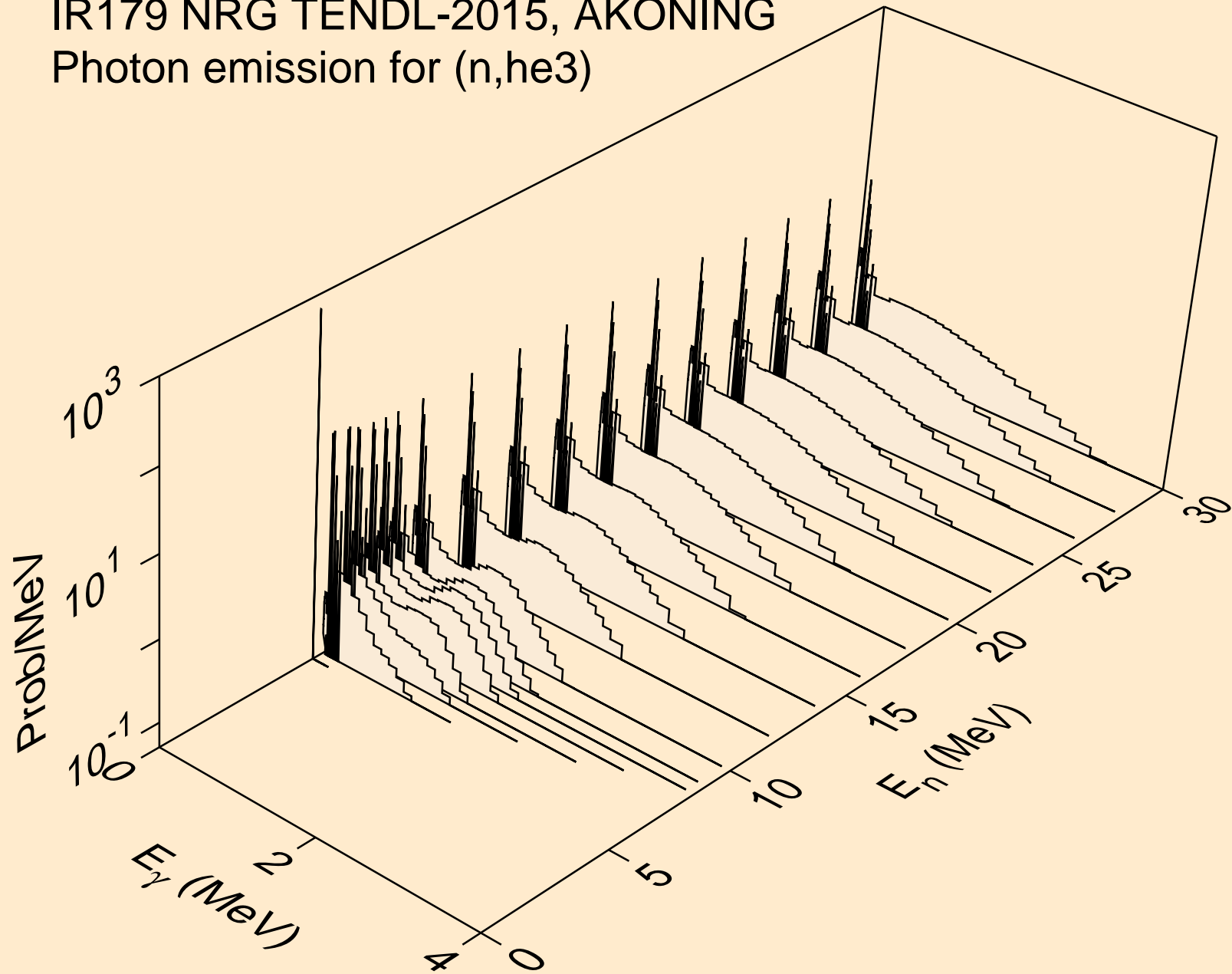
IR179 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



IR179 NRG TENDL-2015, AKONING  
Photon emission for (n,t)

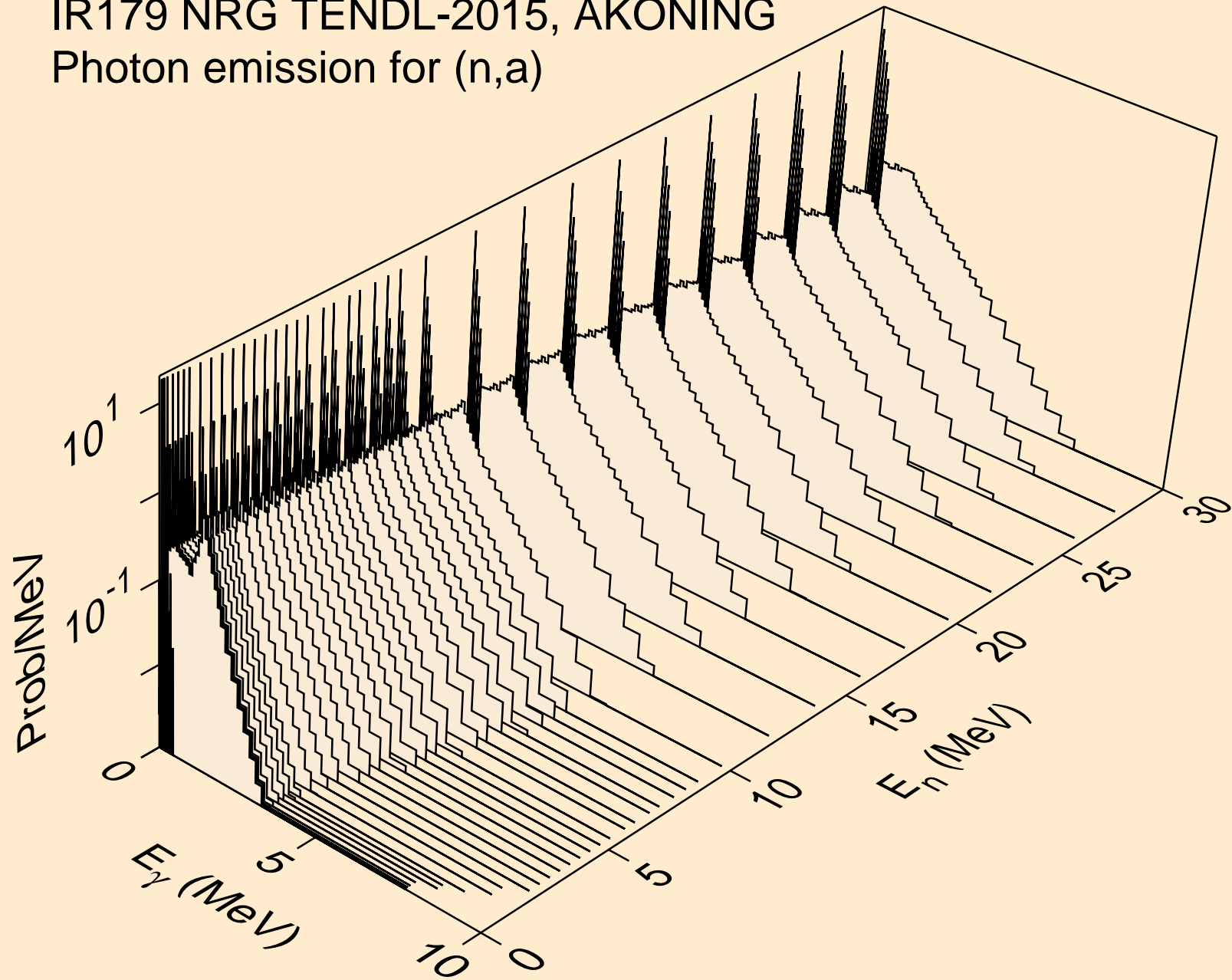


IR179 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)

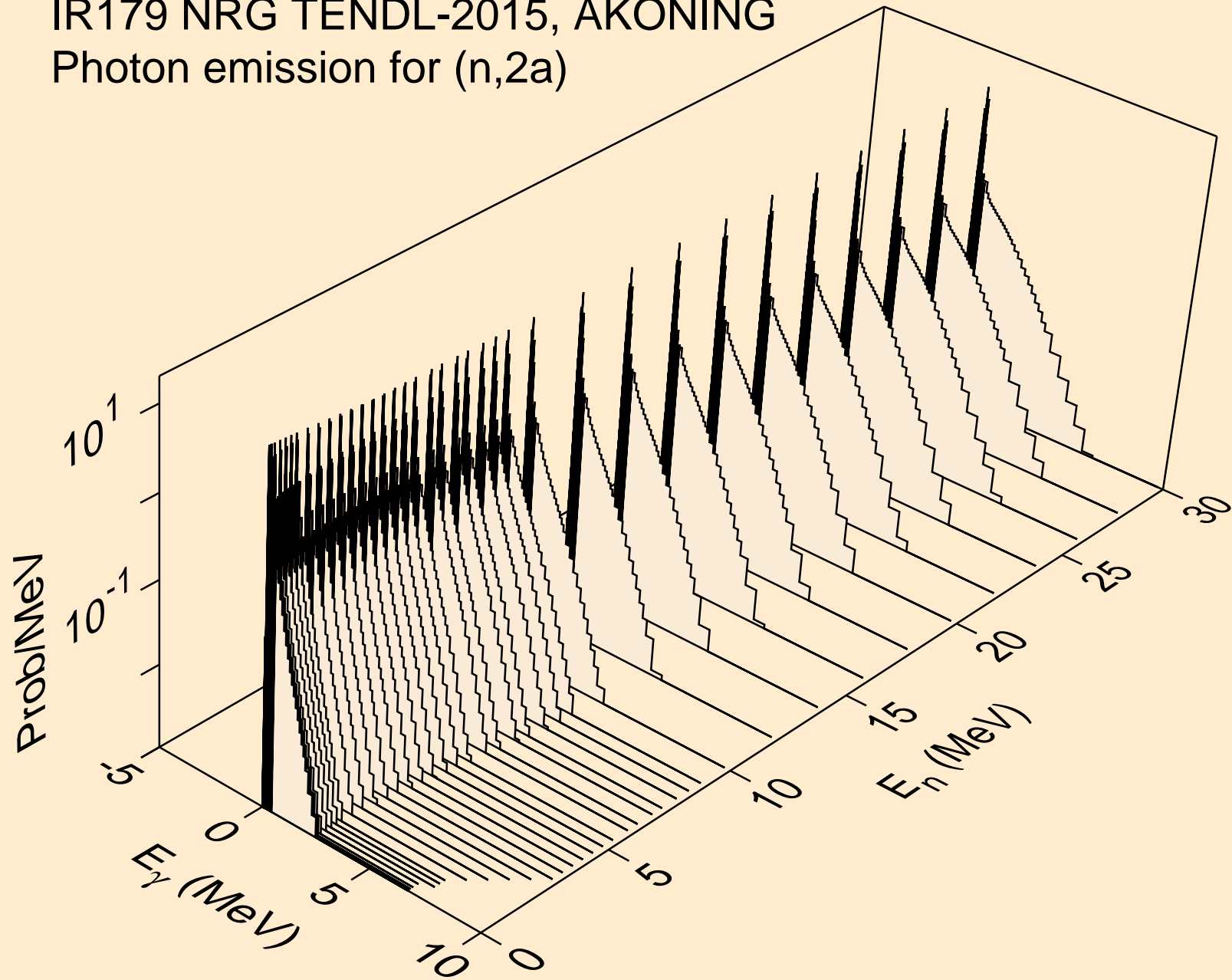




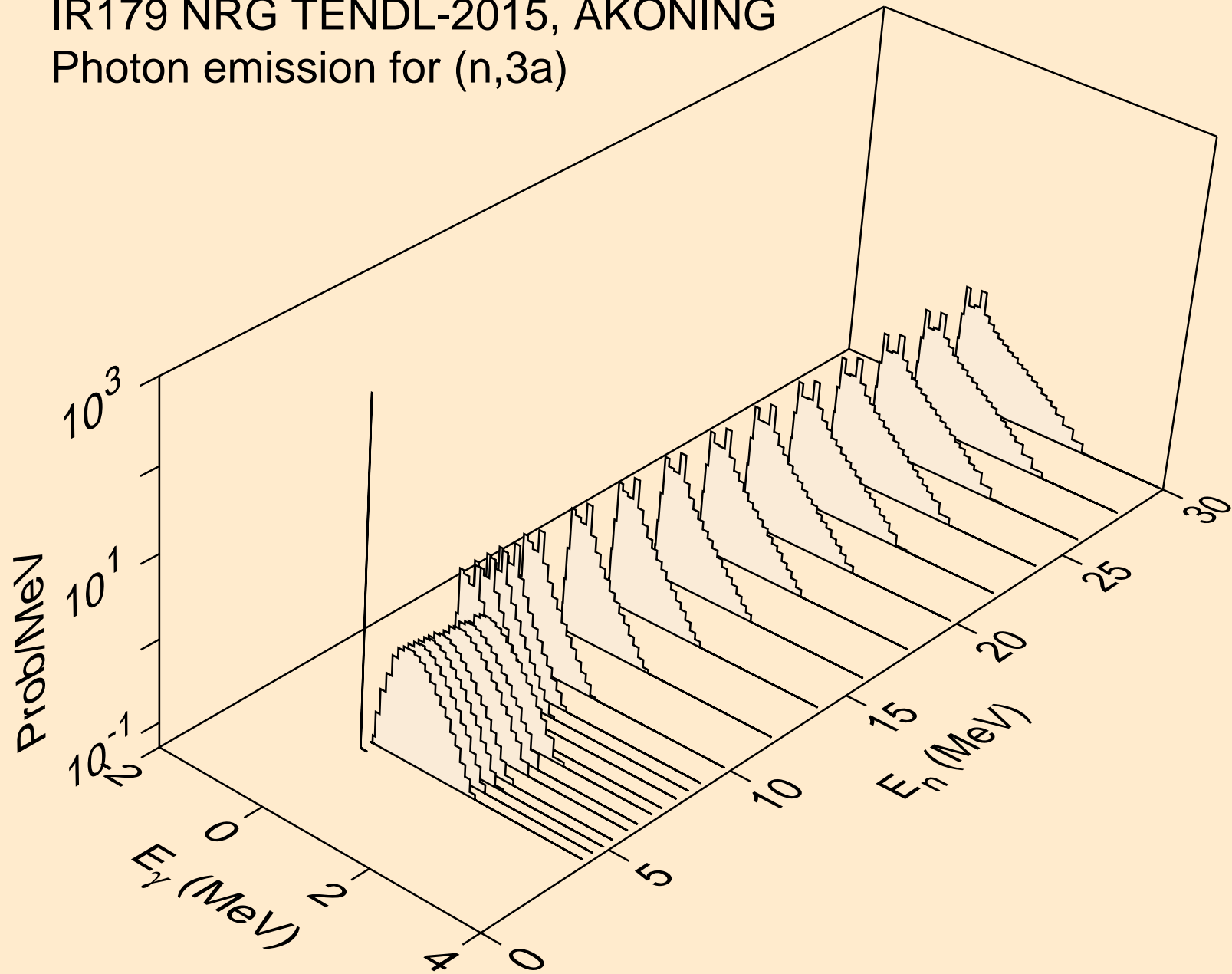
IR179 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



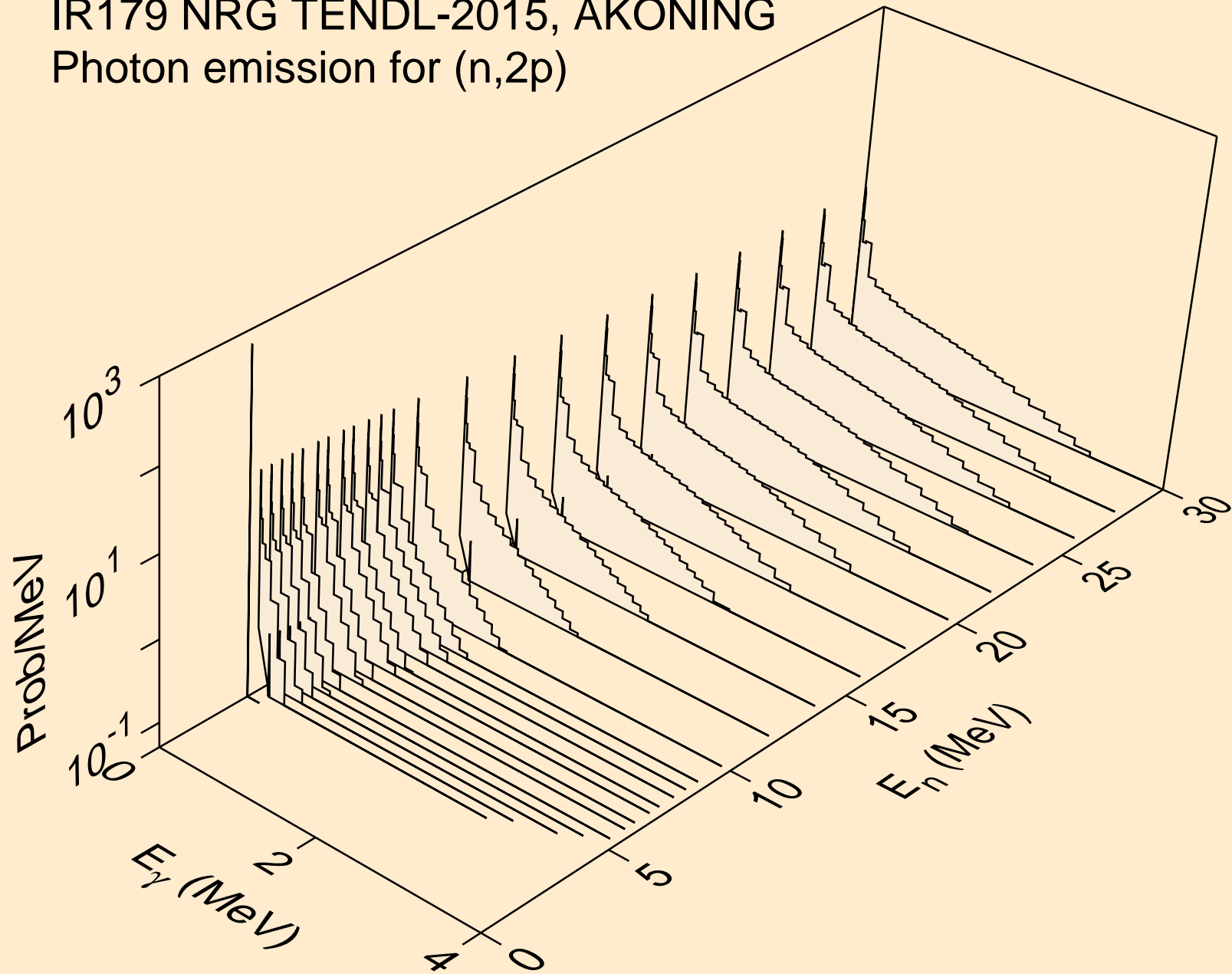
IR179 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



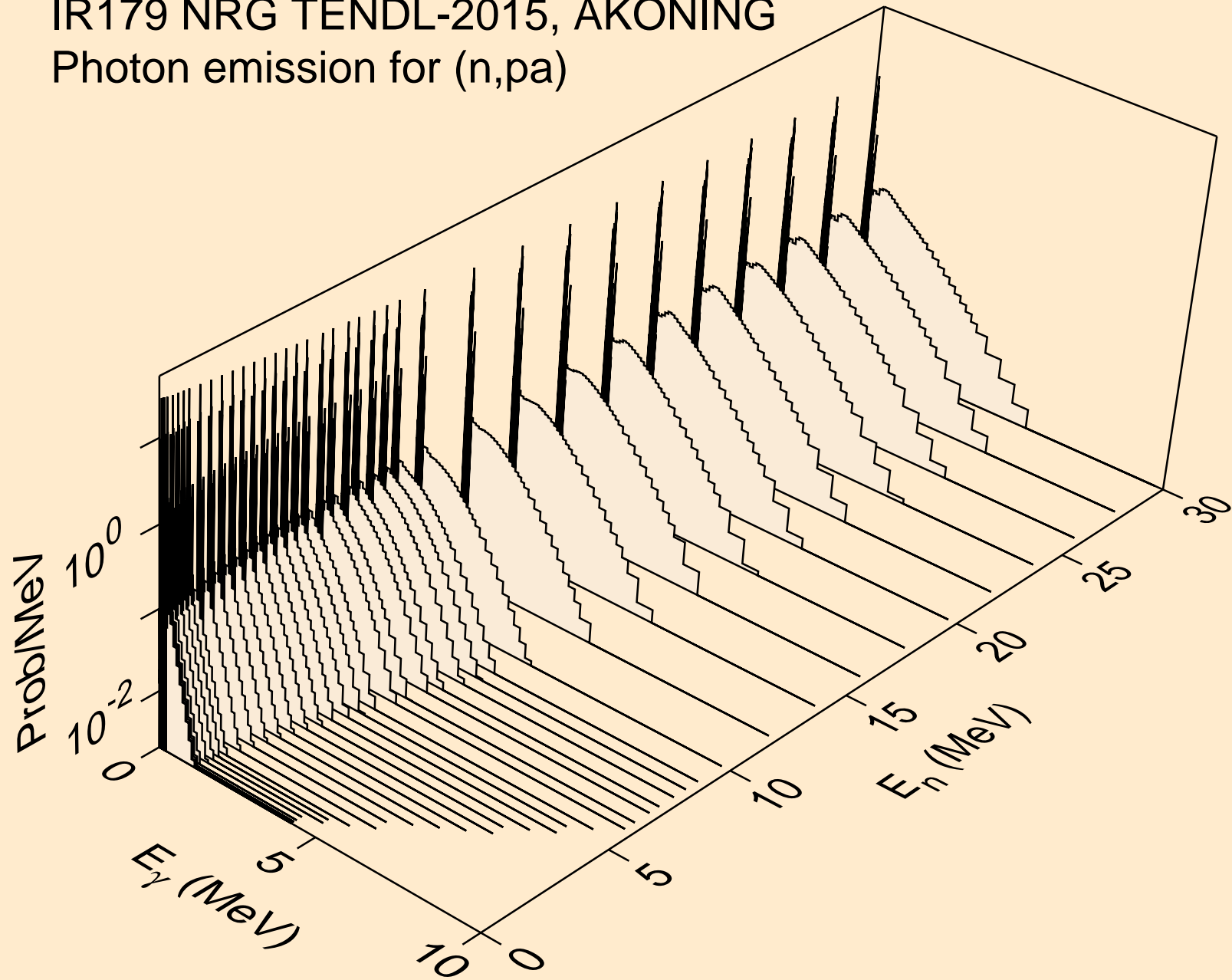
IR179 NRG TENDL-2015, AKONING  
Photon emission for (n,3a)



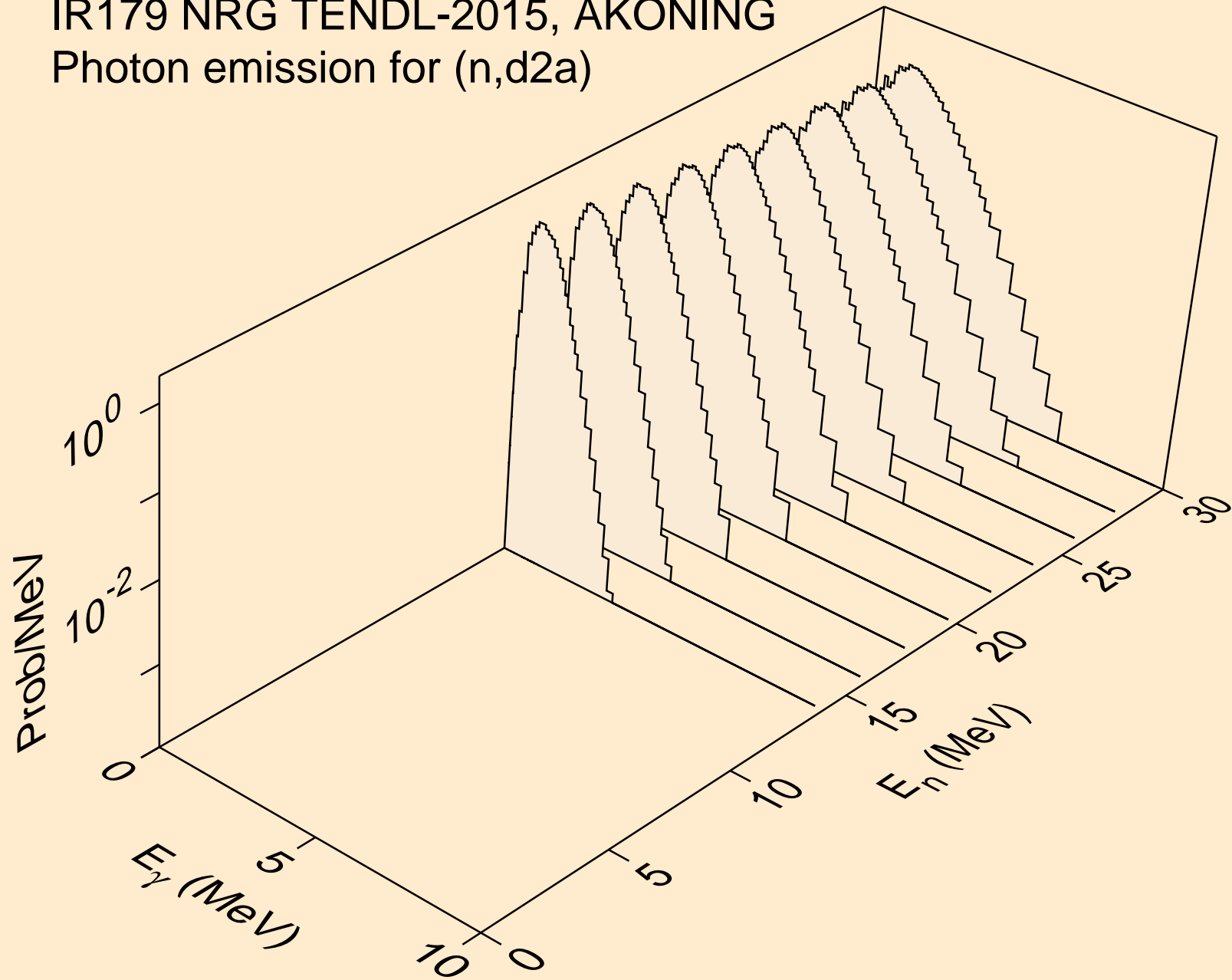
IR179 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



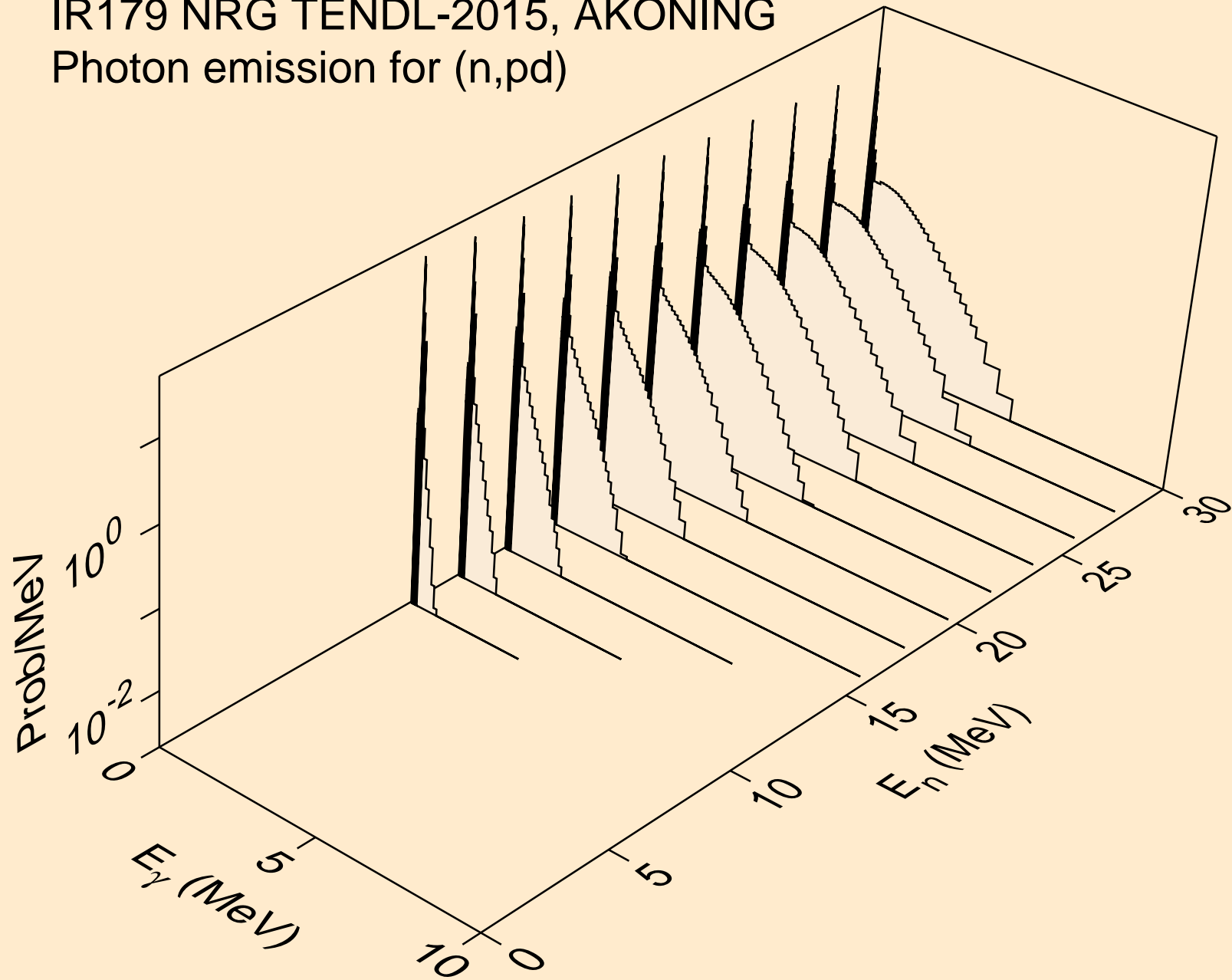
IR179 NRG TENDL-2015, AKONING  
Photon emission for (n,p $\alpha$ )



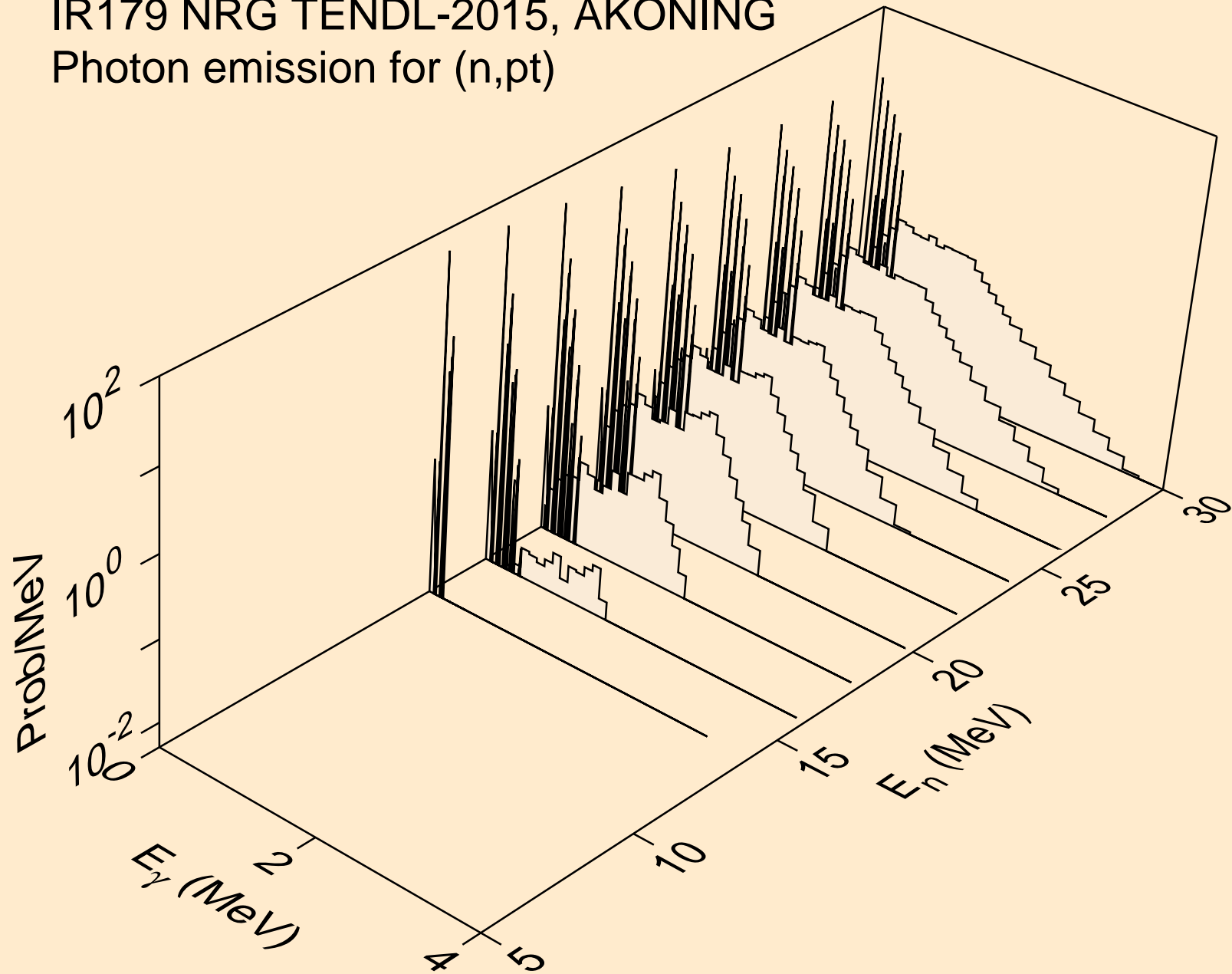
IR179 NRG TENDL-2015, AKONING  
Photon emission for (n,d2a)



IR179 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)

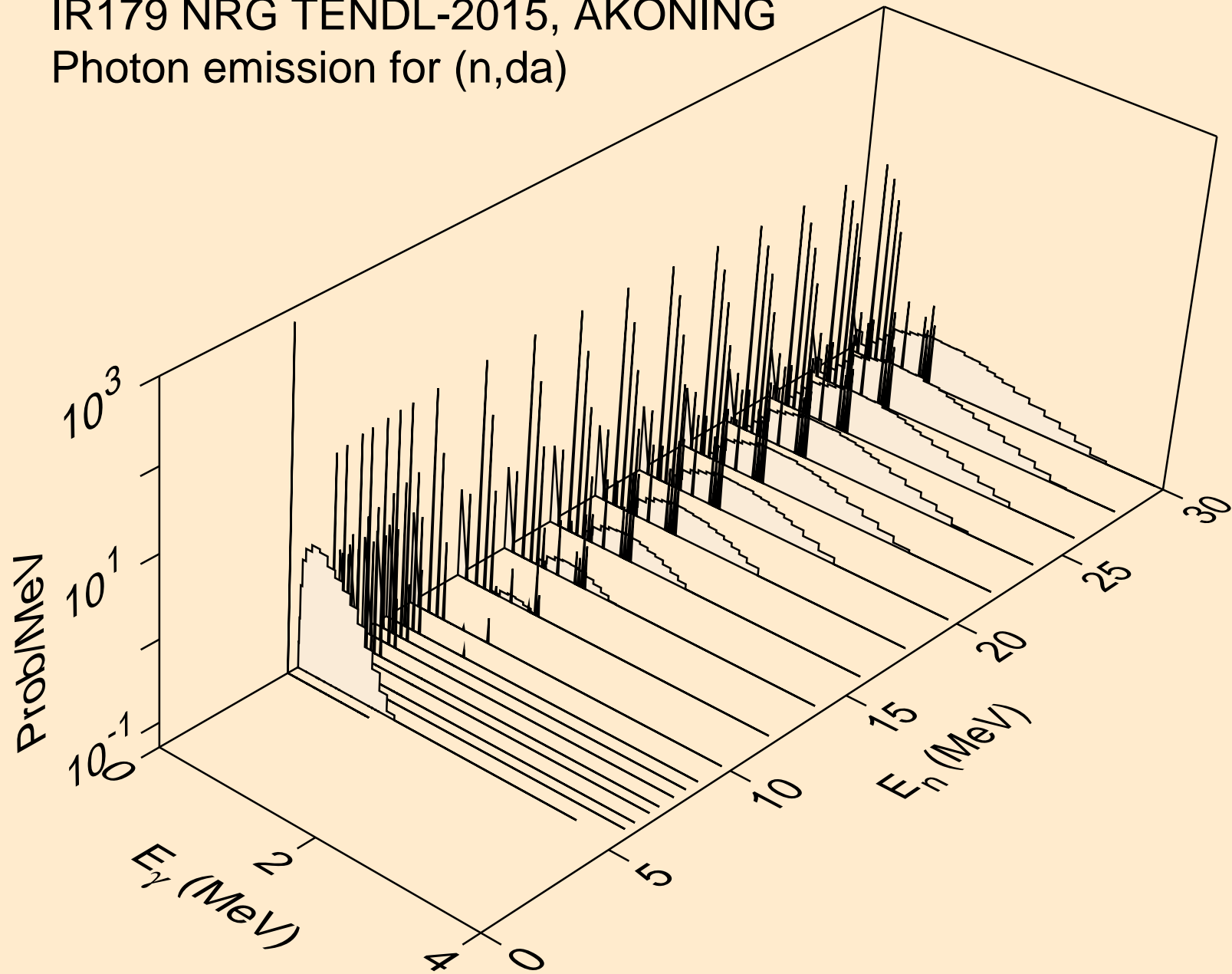


IR179 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)

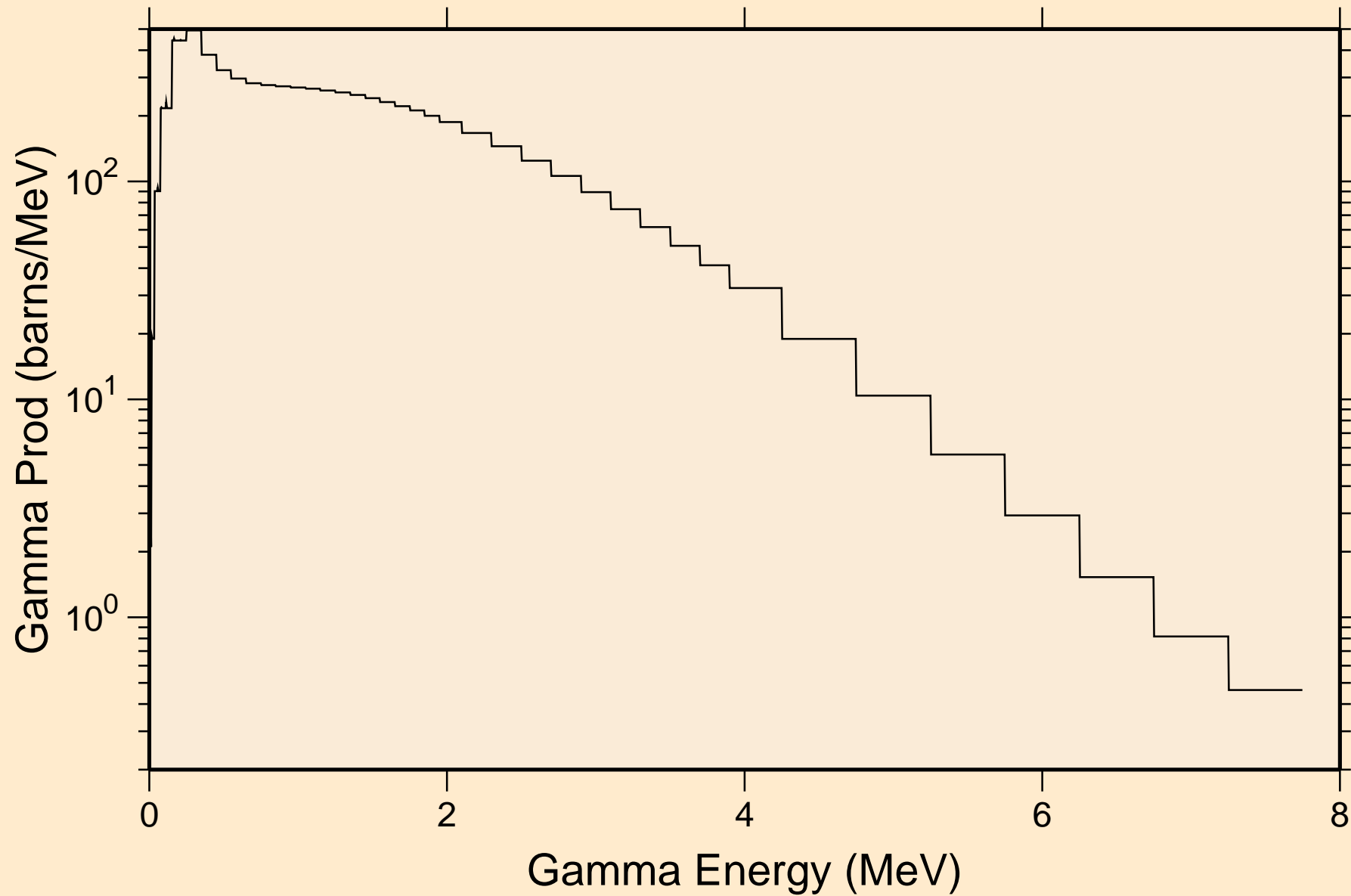




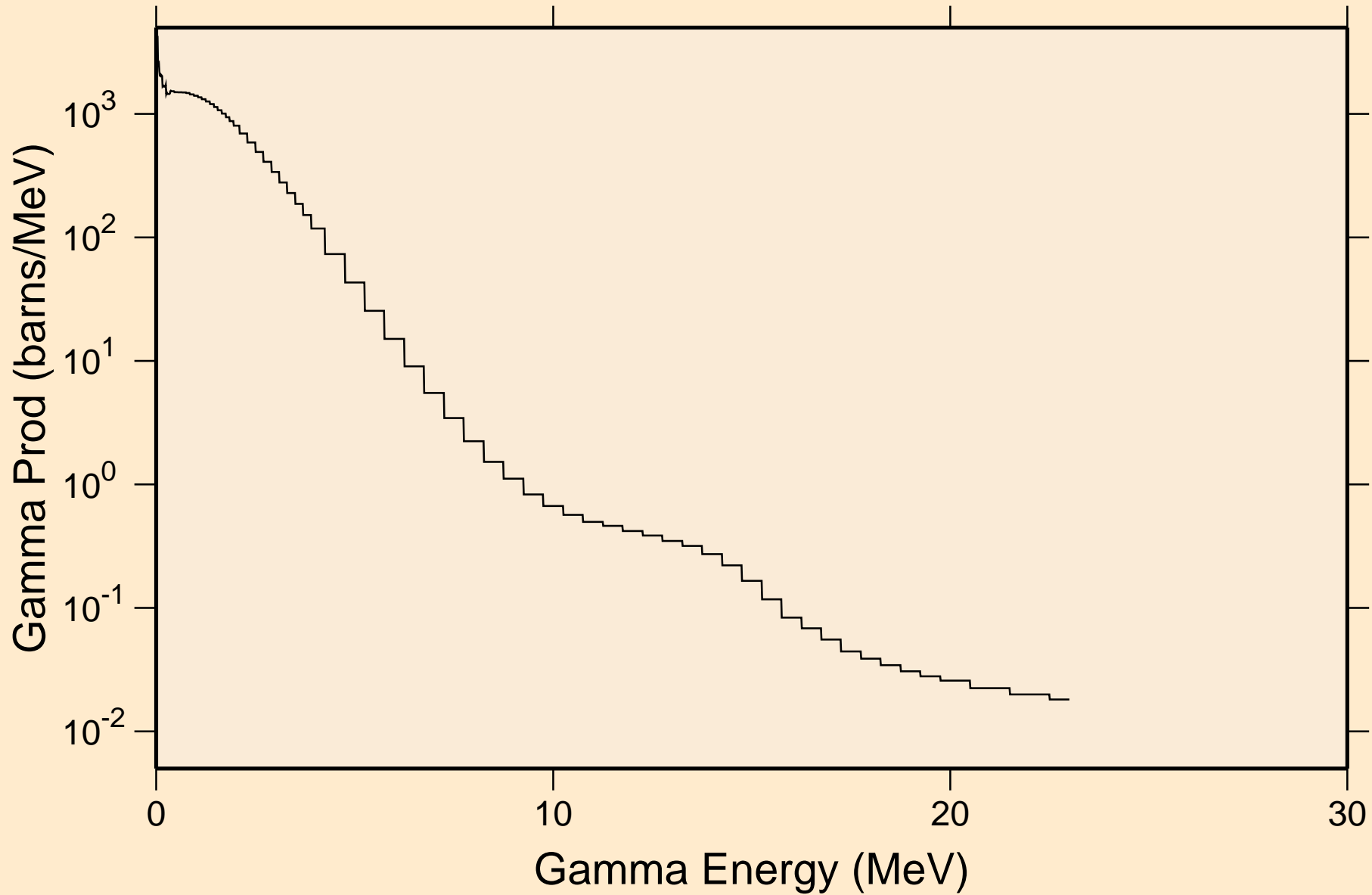
IR179 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



IR179 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

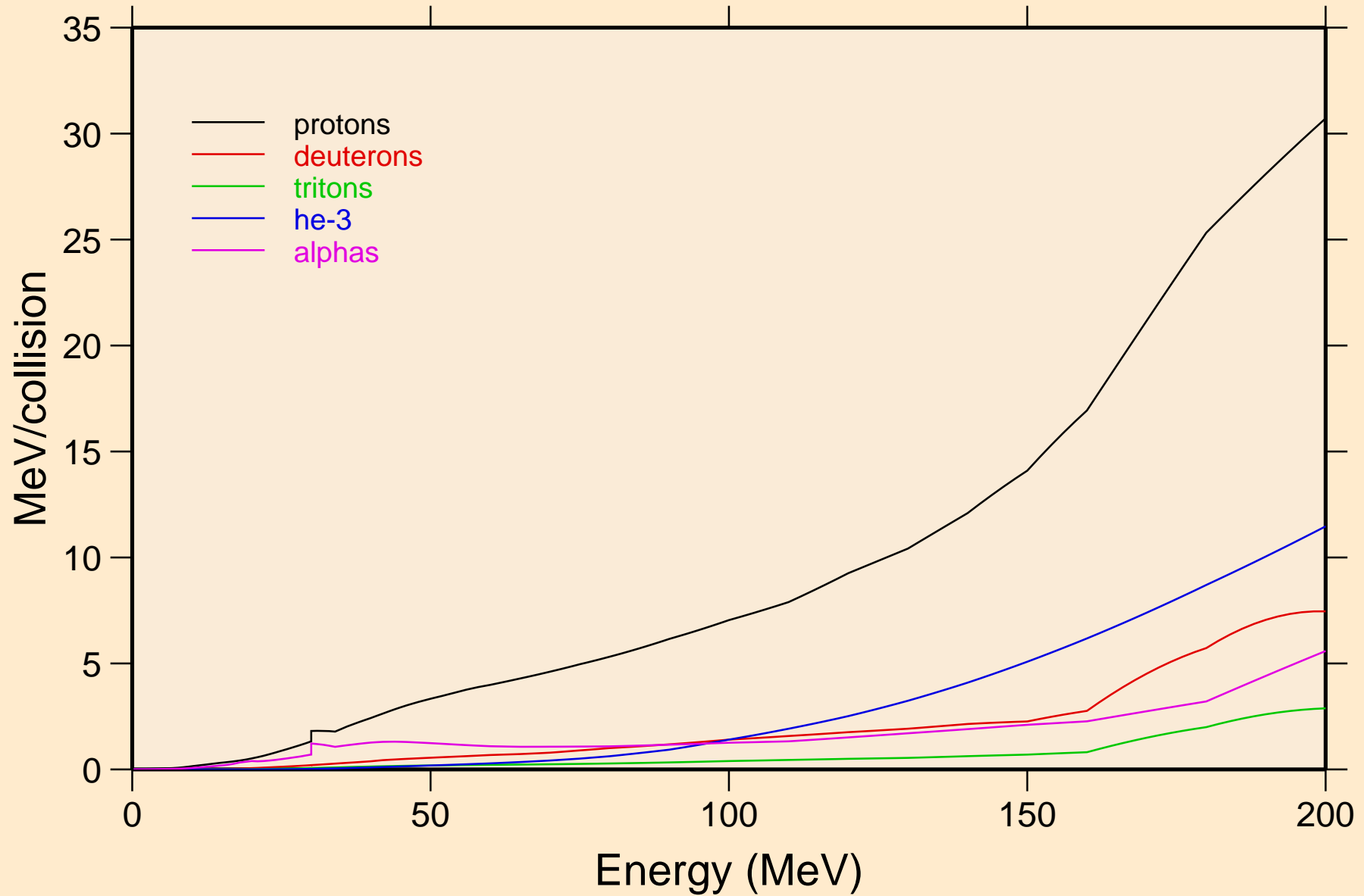


IR179 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



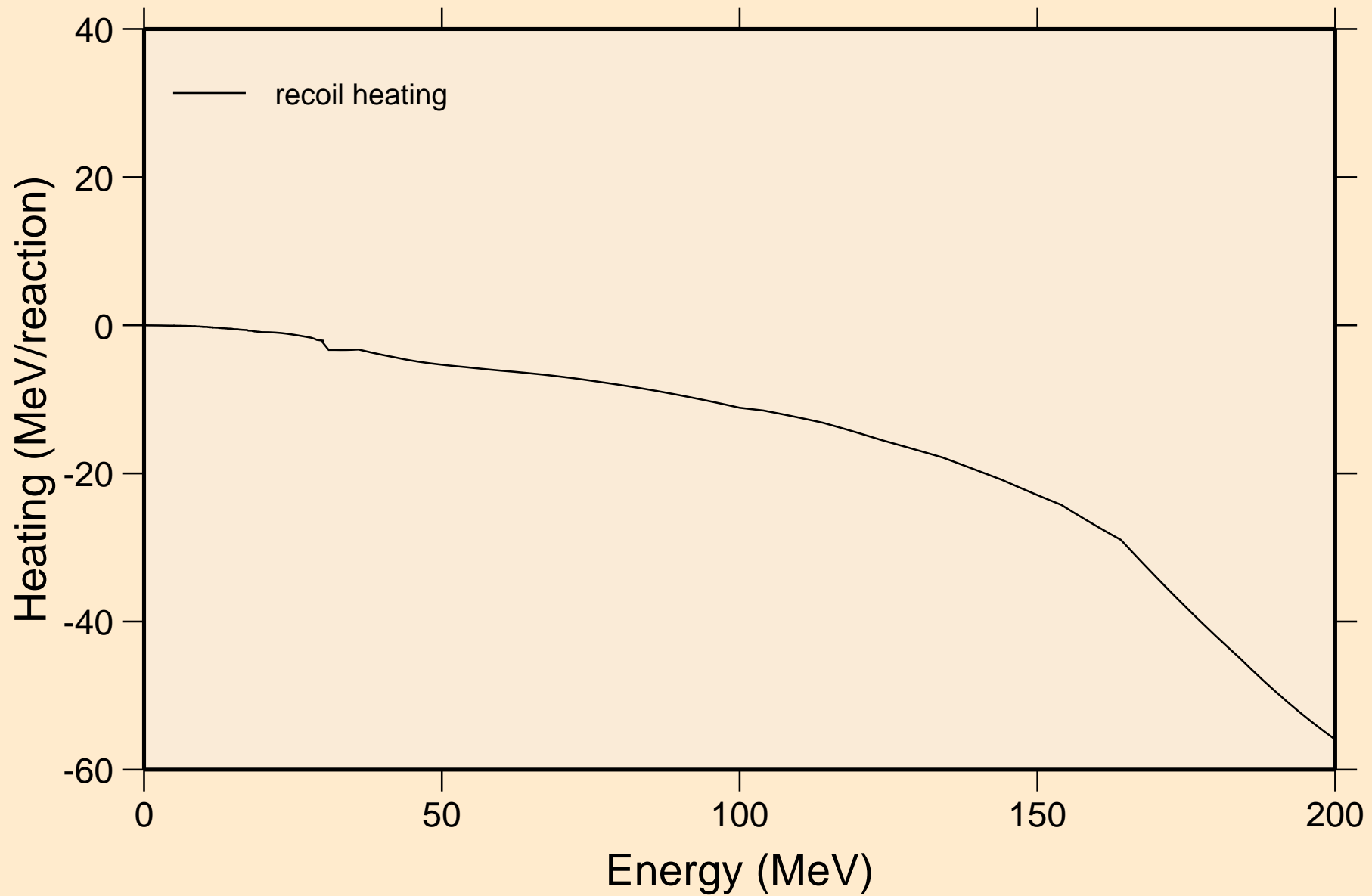
# IR179 NRG TENDL-2015, AKONING

## Particle heating contributions



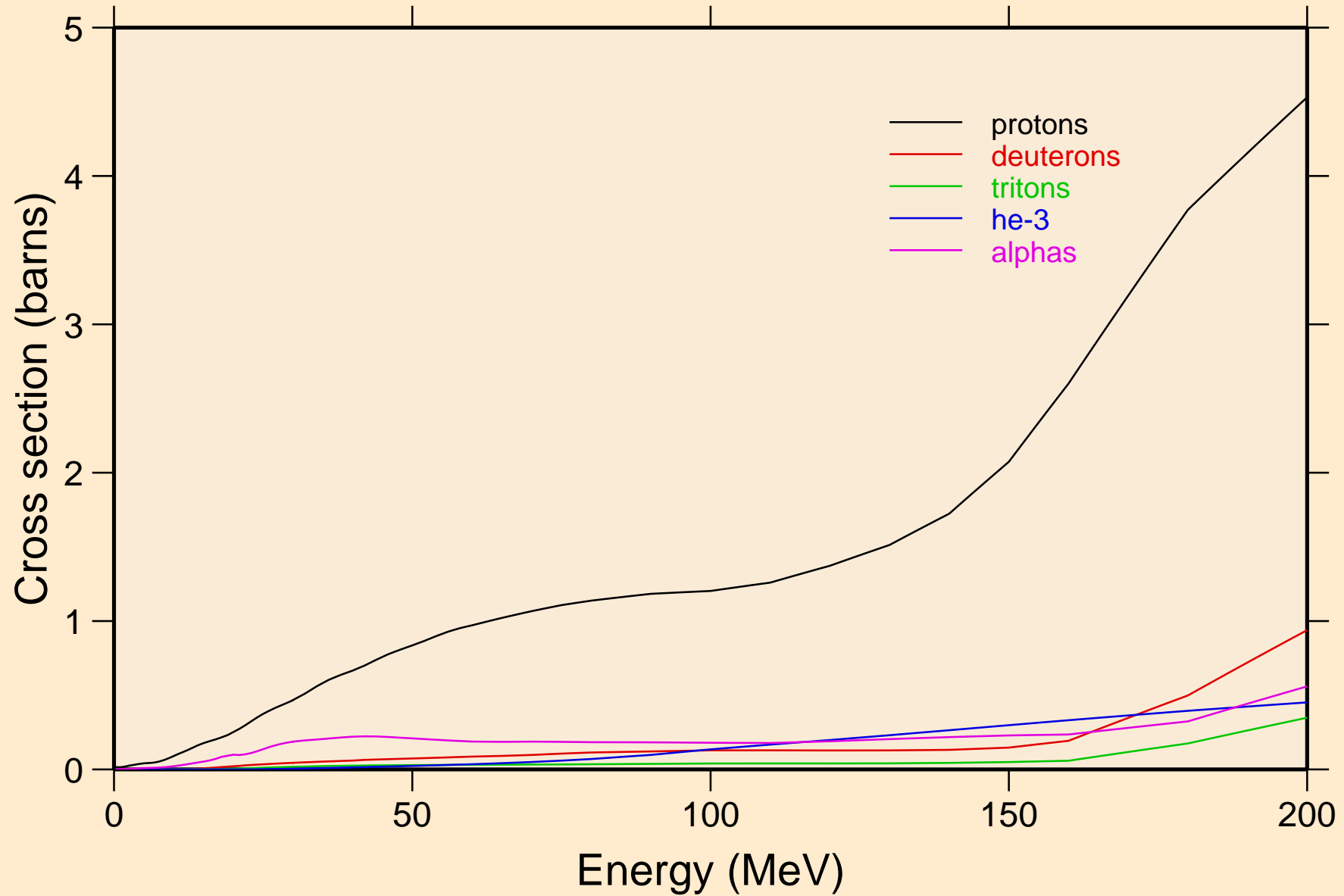
# IR179 NRG TENDL-2015, AKONING

## Recoil Heating

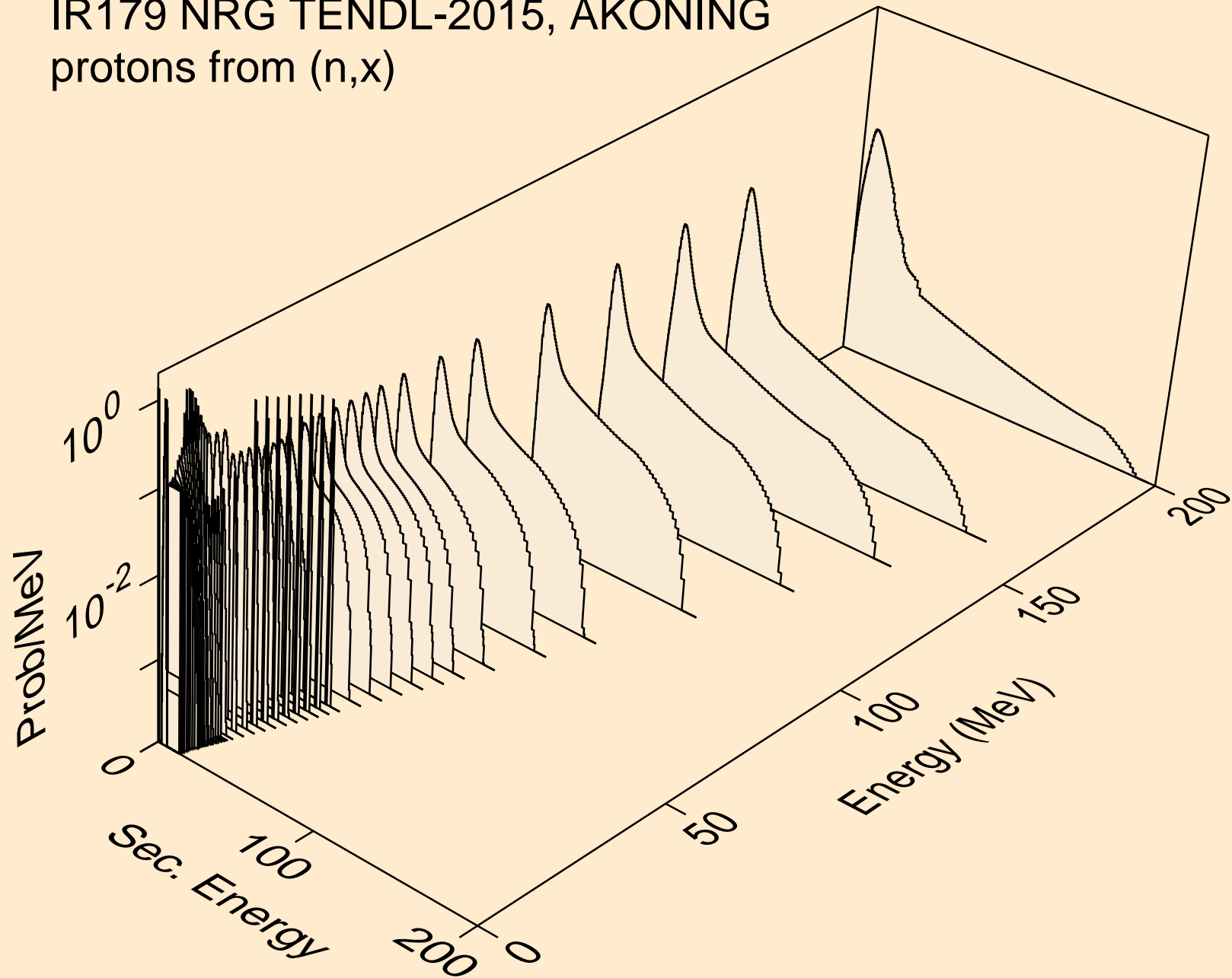


# IR179 NRG TENDL-2015, AKONING

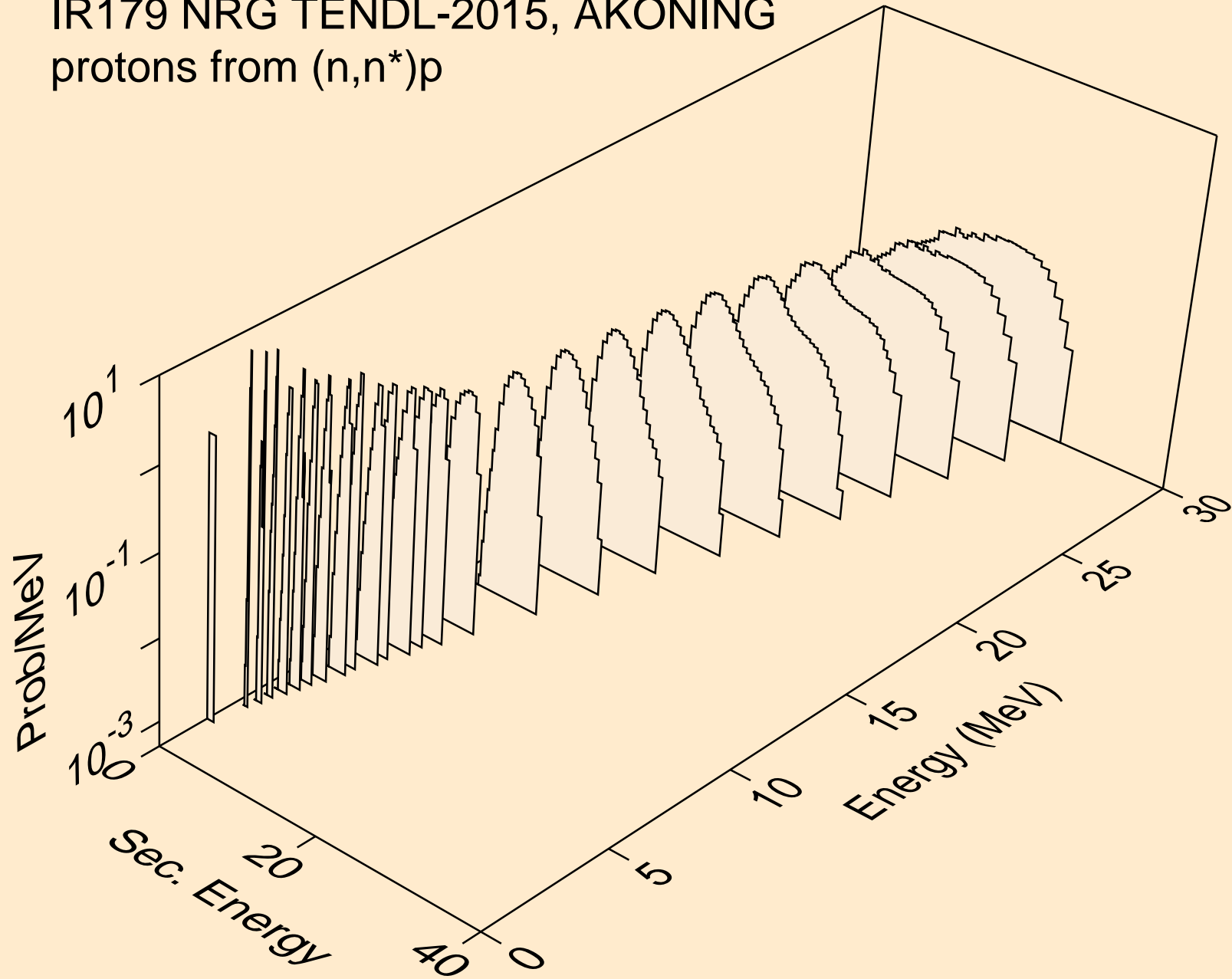
## Particle production cross sections



IR179 NRG TENDL-2015, AKONING  
protons from (n,x)

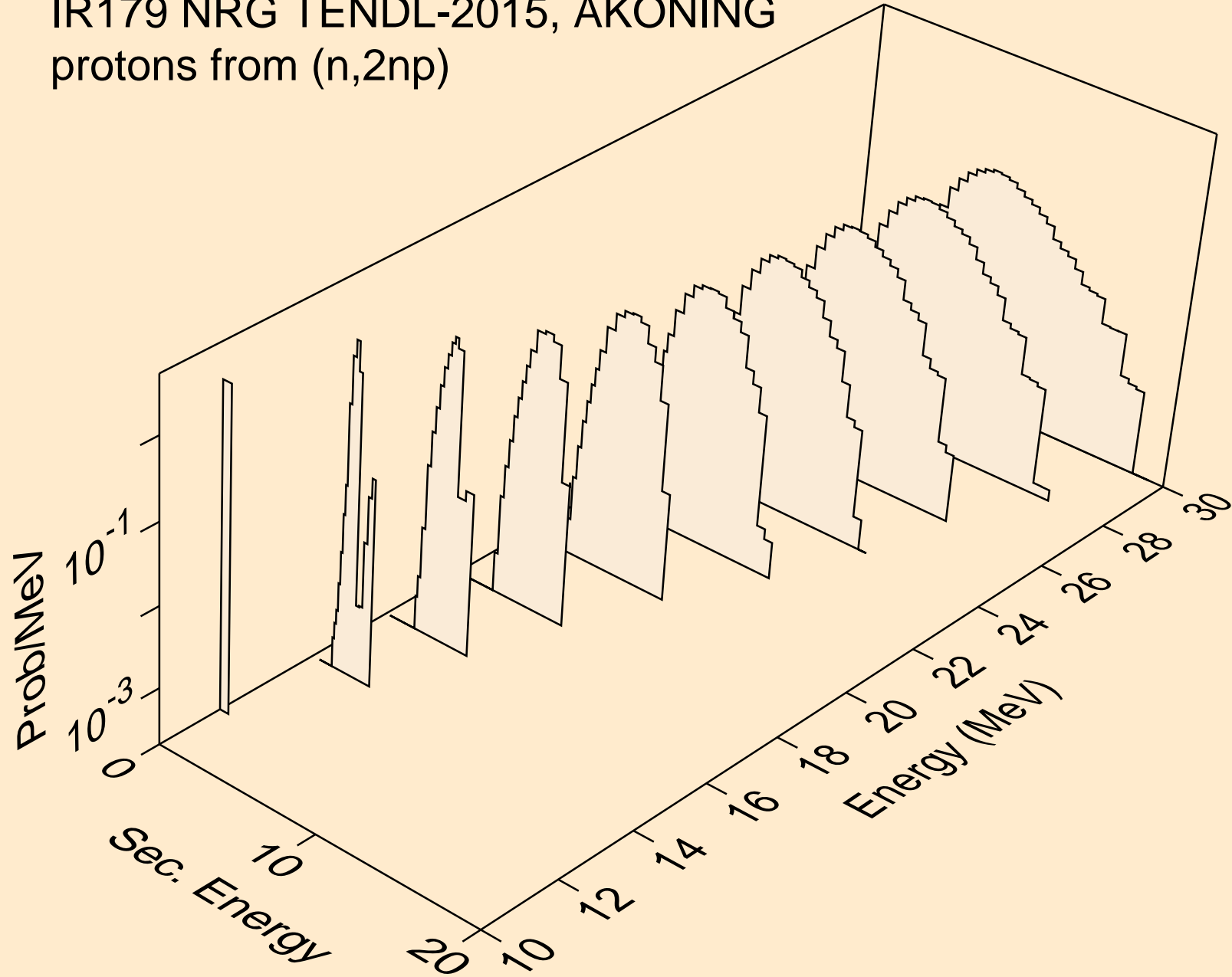


IR179 NRG TENDL-2015, AKONING  
protons from (n,n\*)p

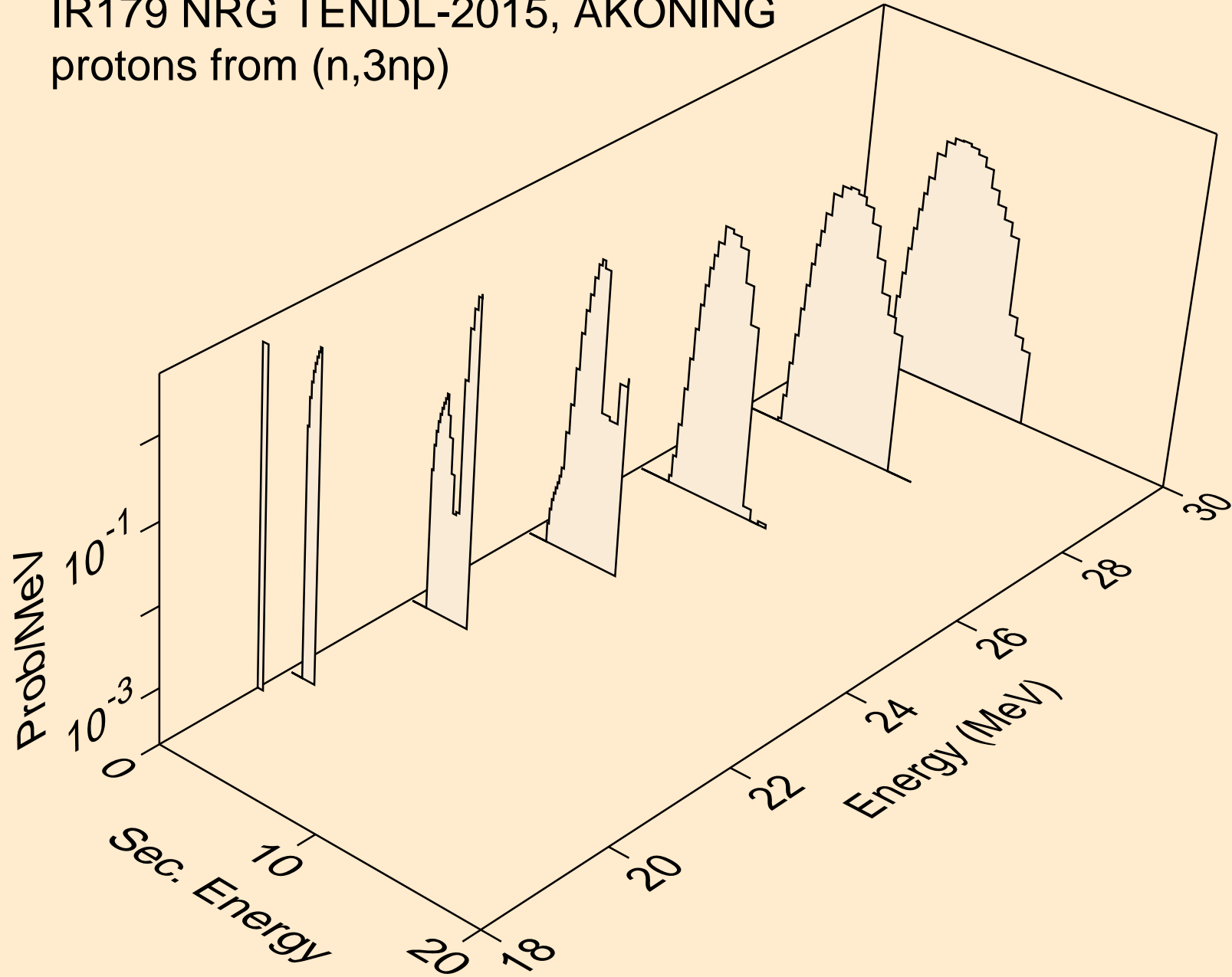




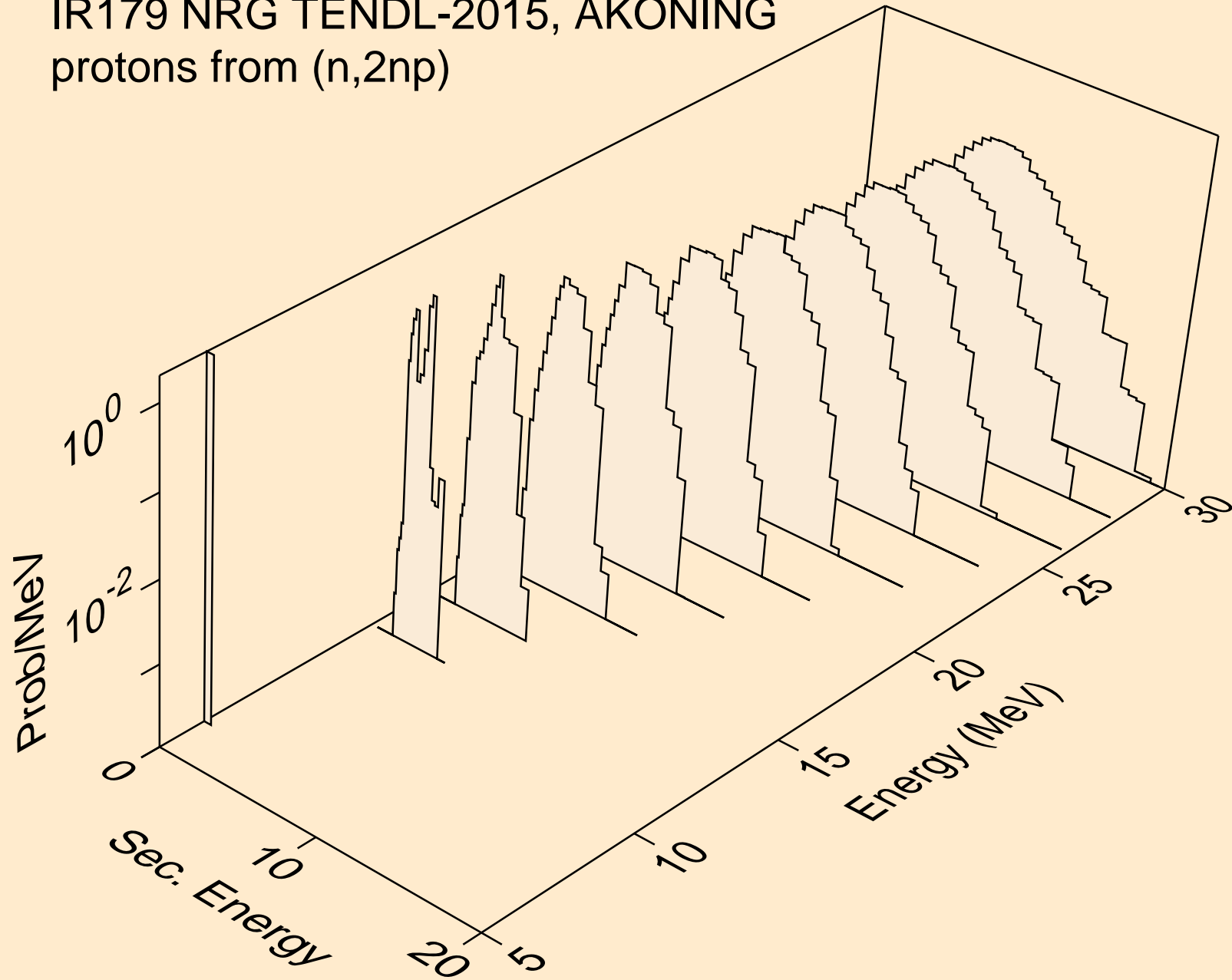
IR179 NRG TENDL-2015, AKONING  
protons from (n,2np)



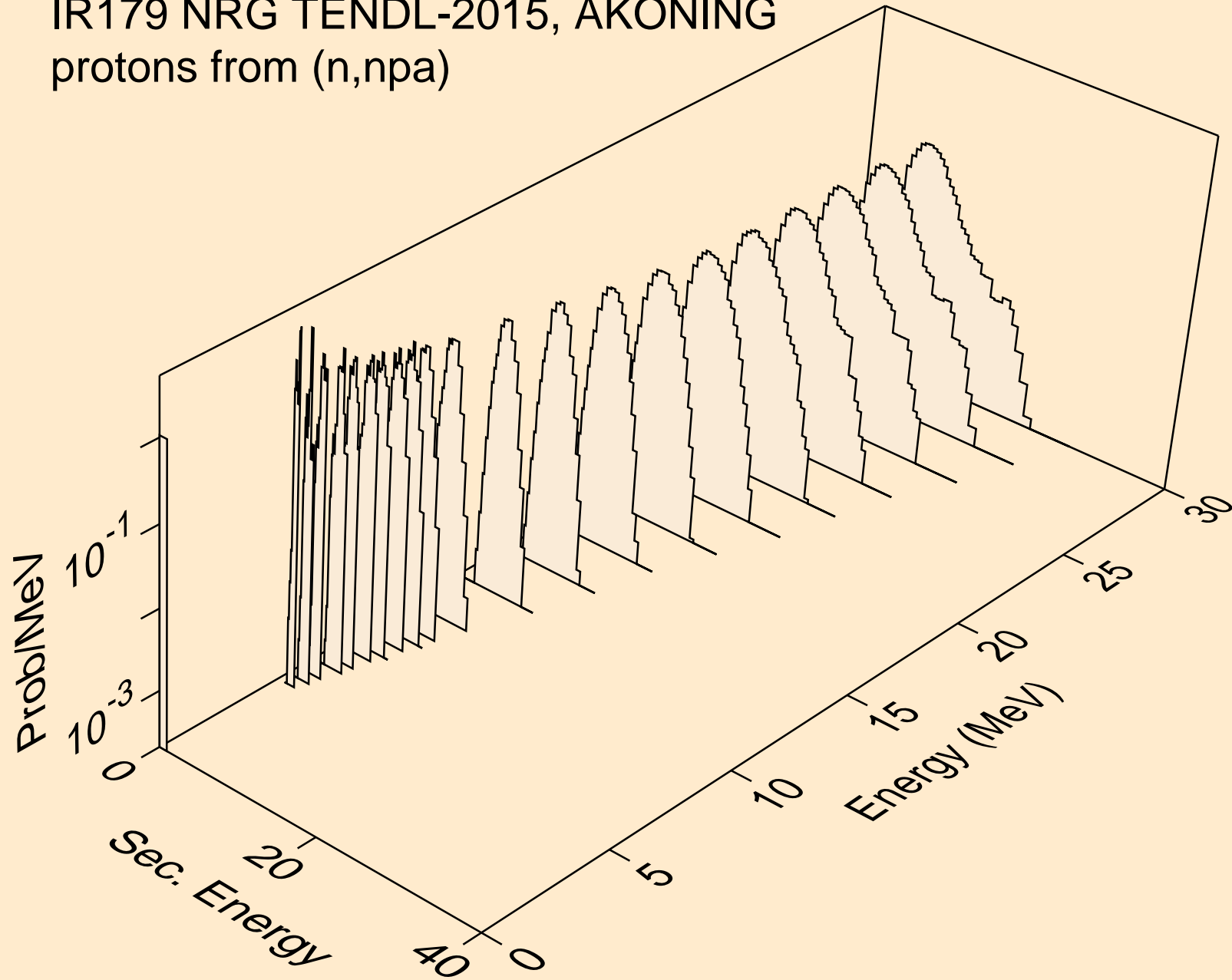
IR179 NRG TENDL-2015, AKONING  
protons from (n,3np)



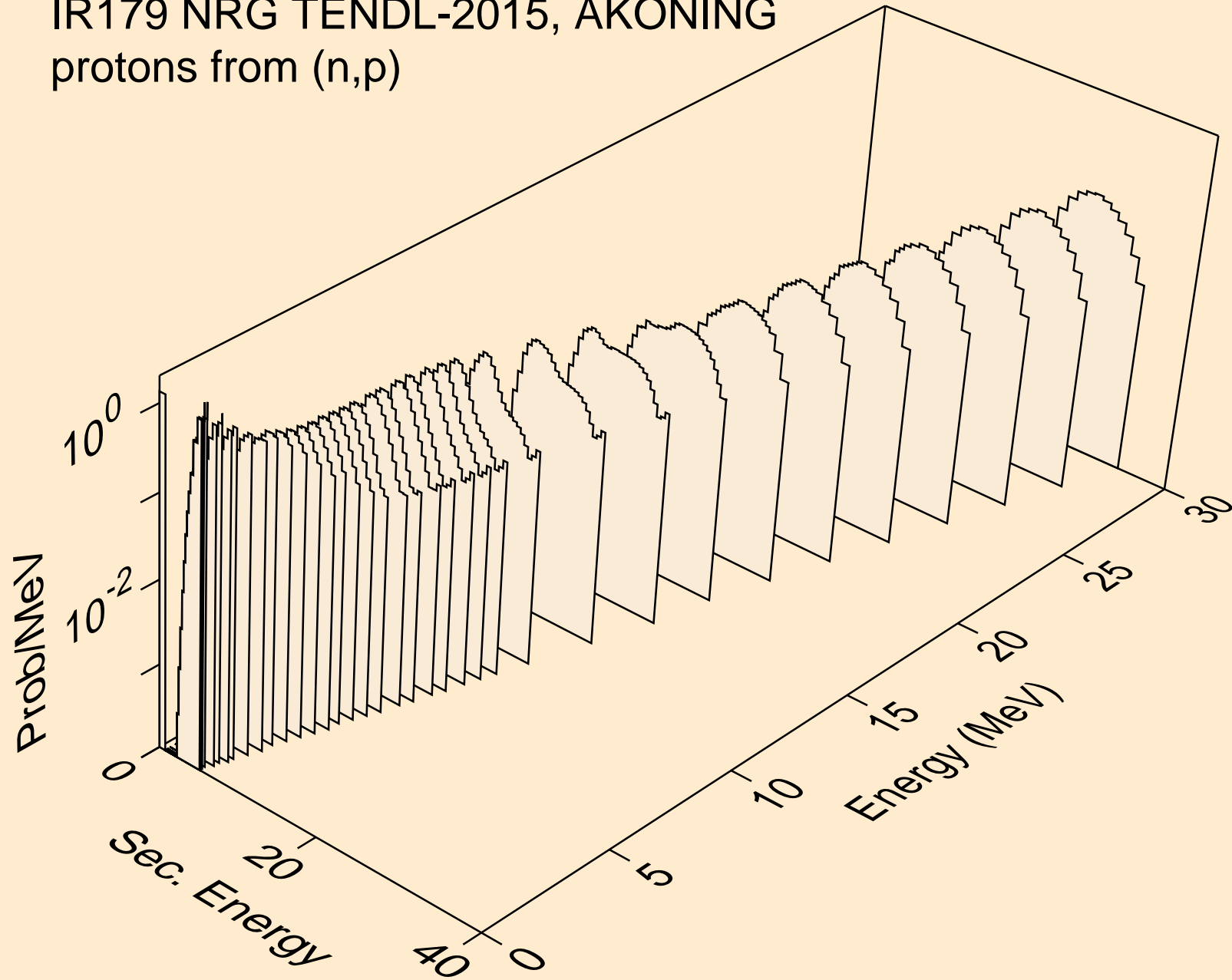
IR179 NRG TENDL-2015, AKONING  
protons from (n,2np)



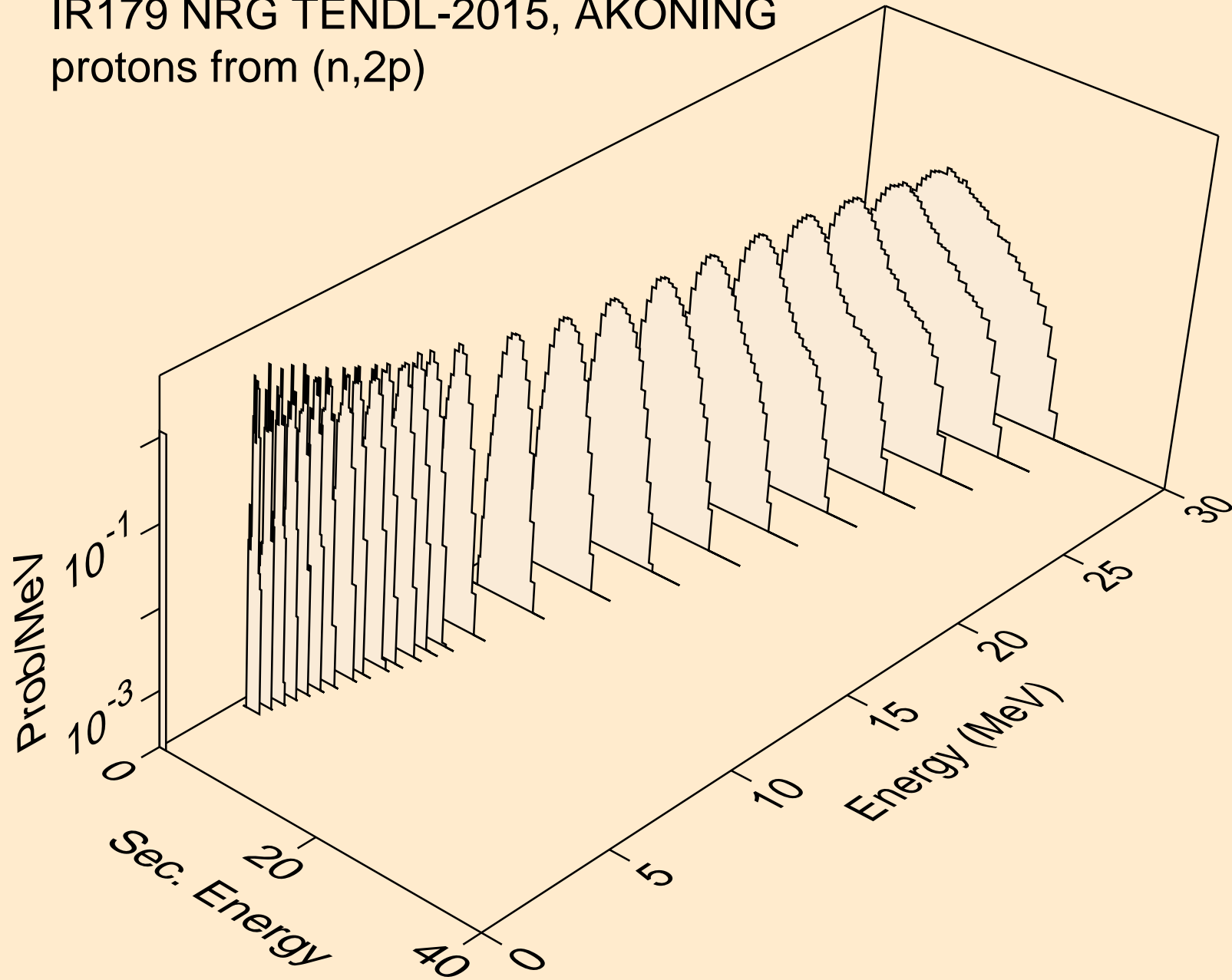
IR179 NRG TENDL-2015, AKONING  
protons from (n,npa)



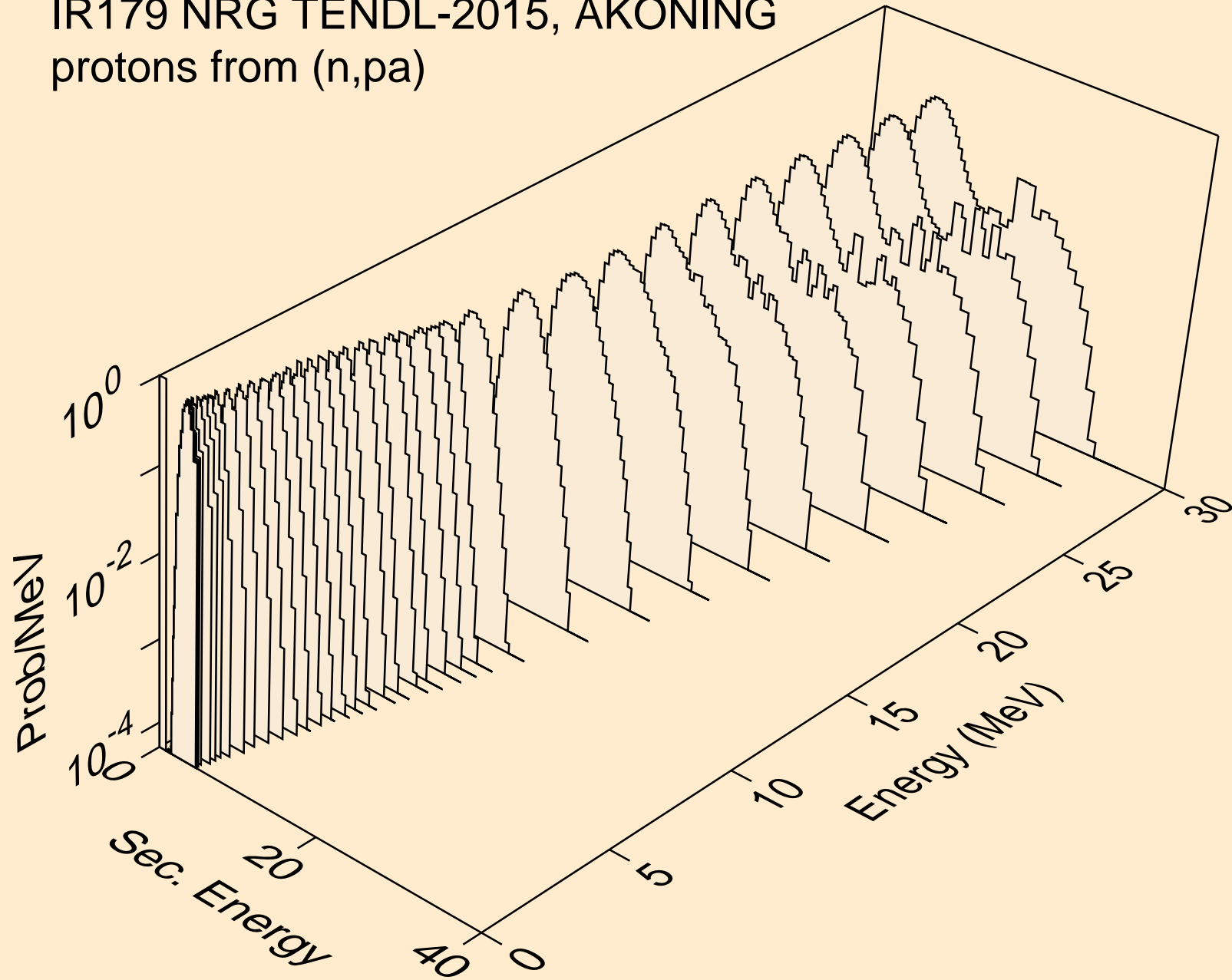
IR179 NRG TENDL-2015, AKONING  
protons from (n,p)



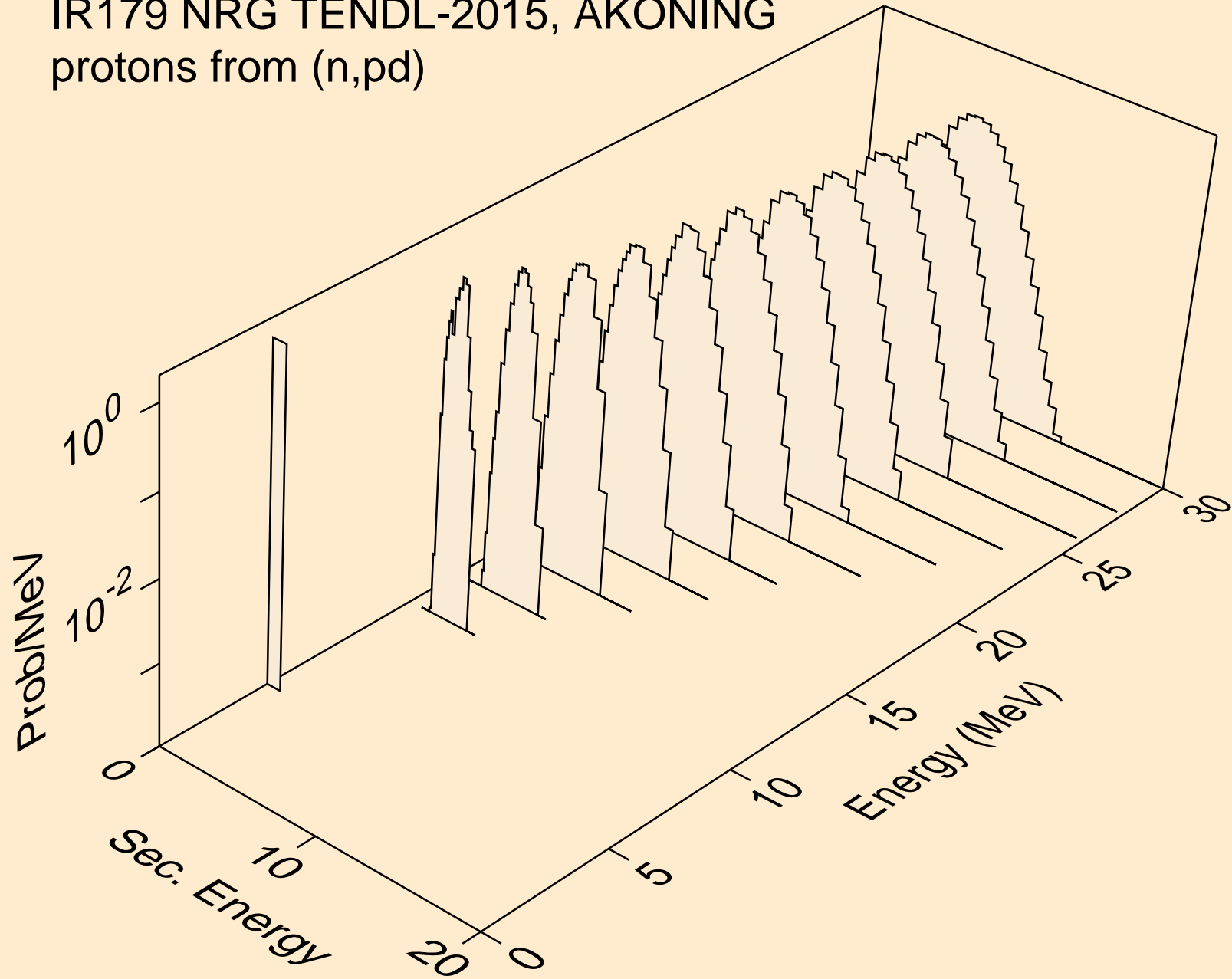
IR179 NRG TENDL-2015, AKONING  
protons from (n,2p)



IR179 NRG TENDL-2015, AKONING  
protons from (n,pa)

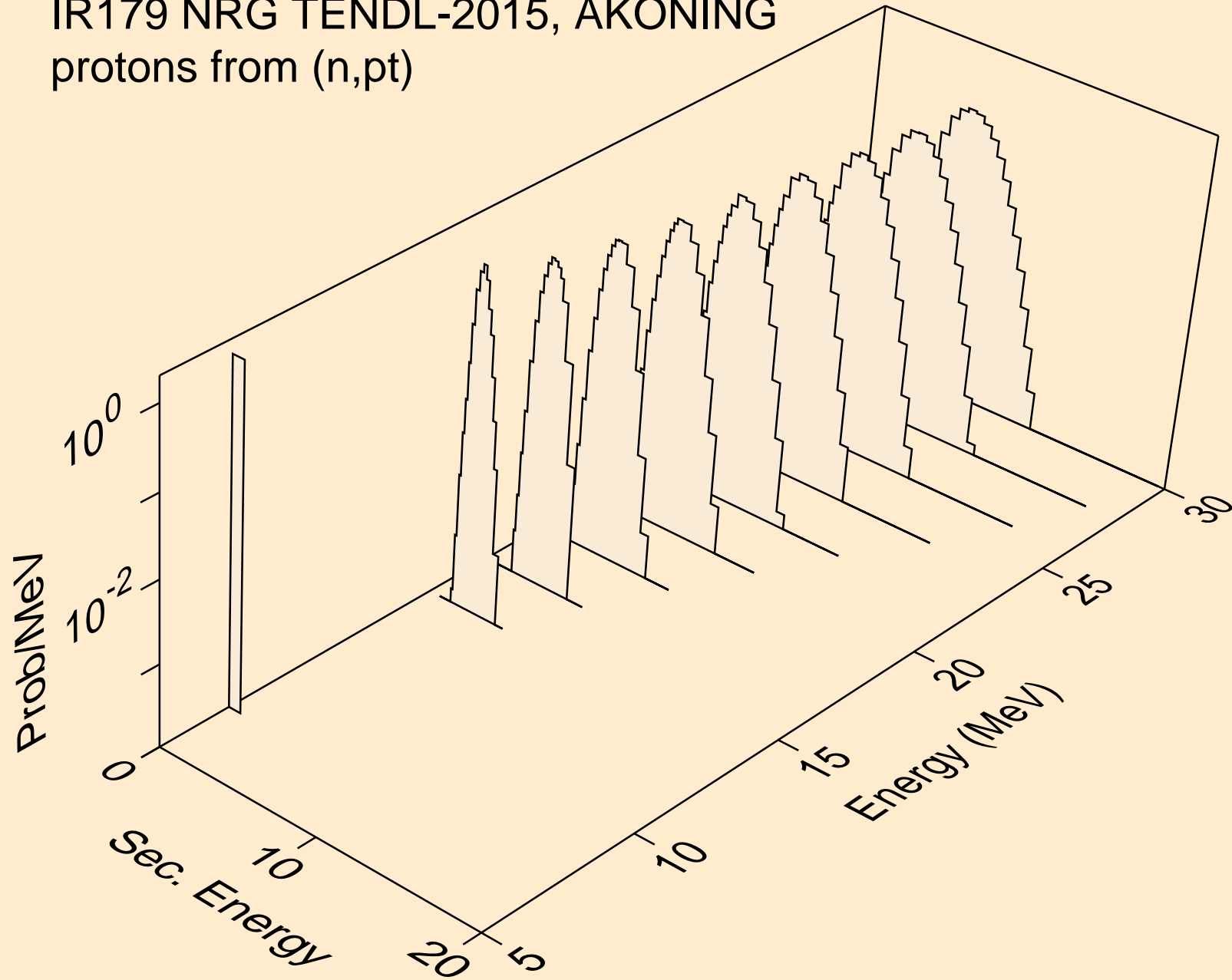


IR179 NRG TENDL-2015, AKONING  
protons from (n,pd)

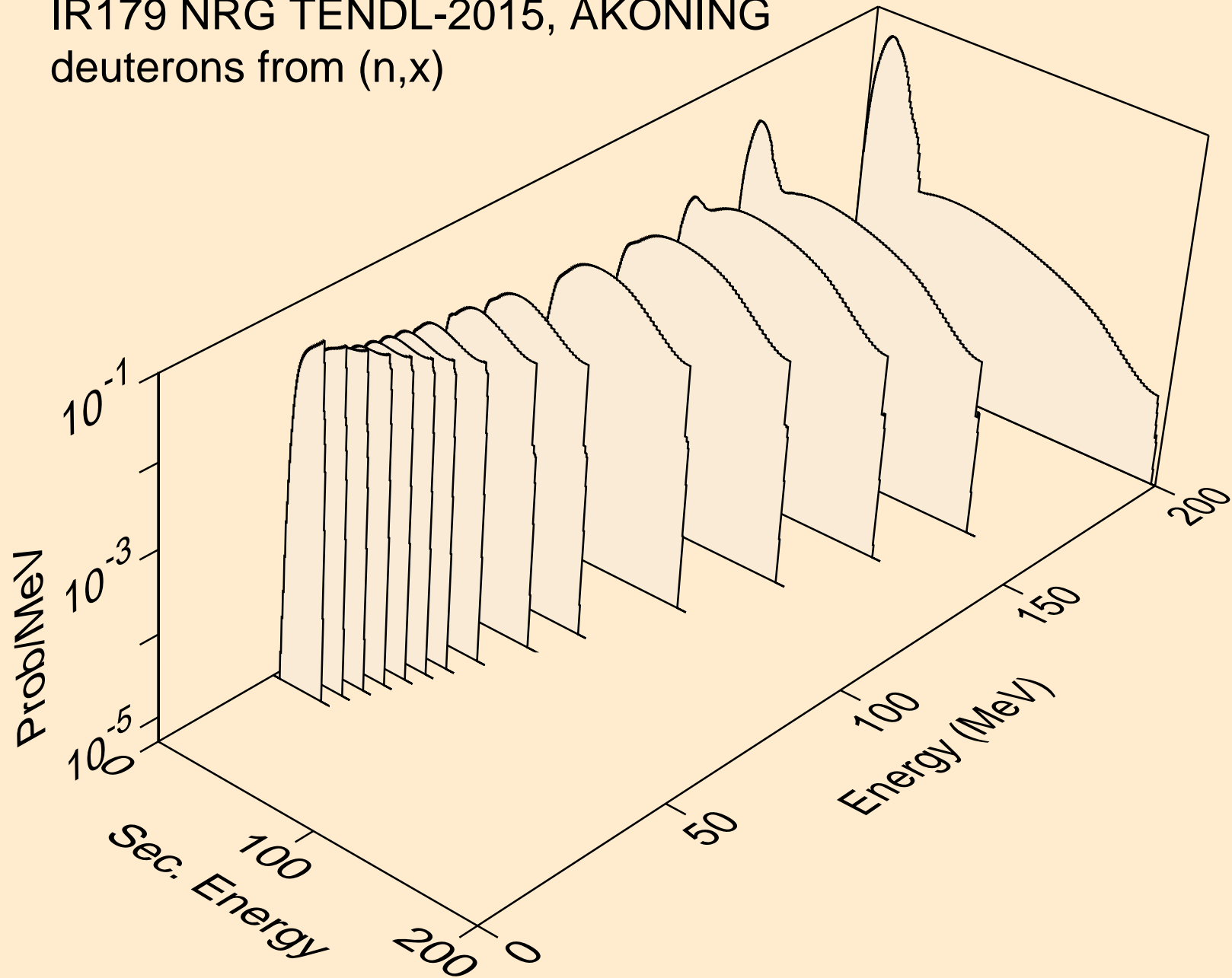




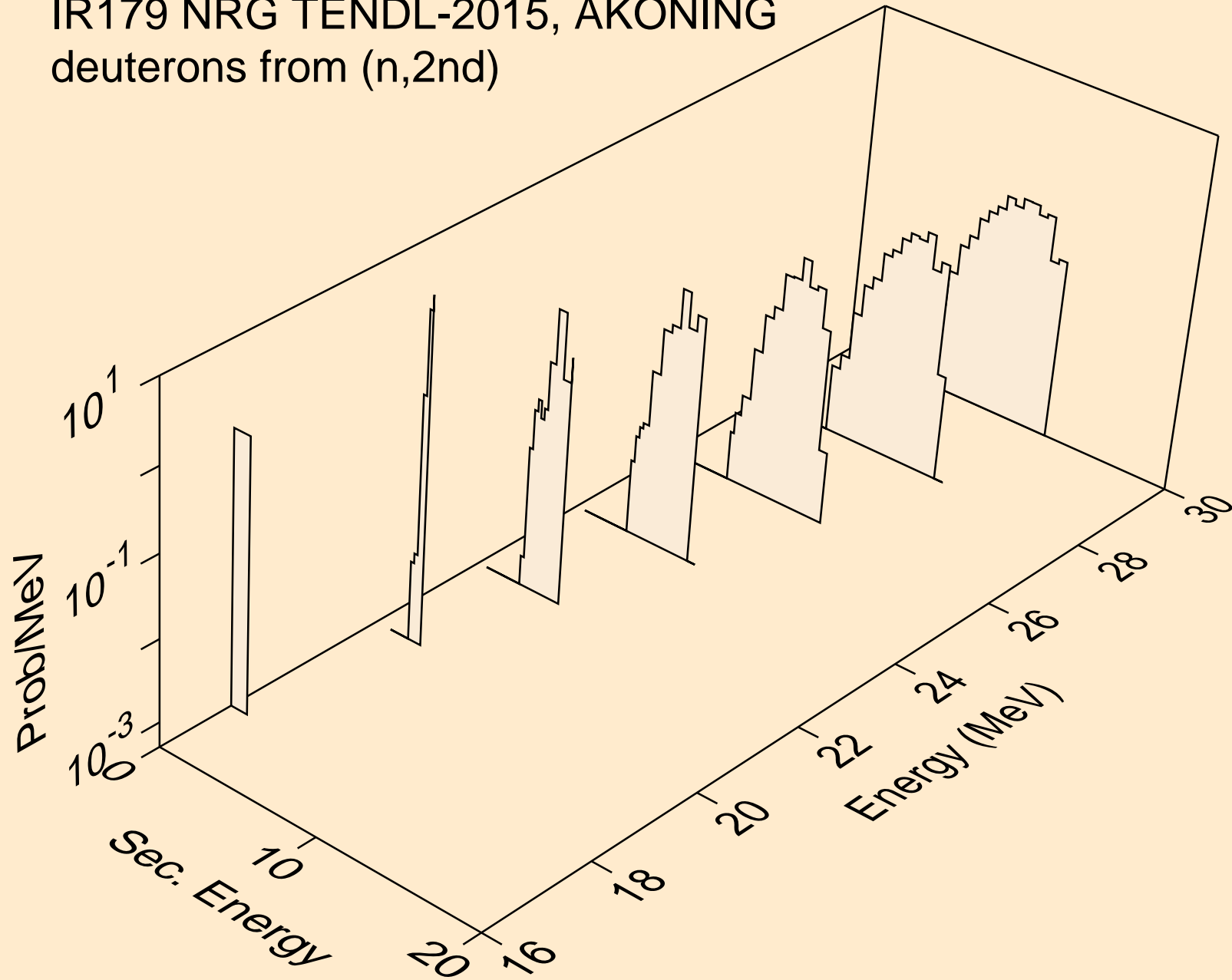
IR179 NRG TENDL-2015, AKONING  
protons from (n,pt)



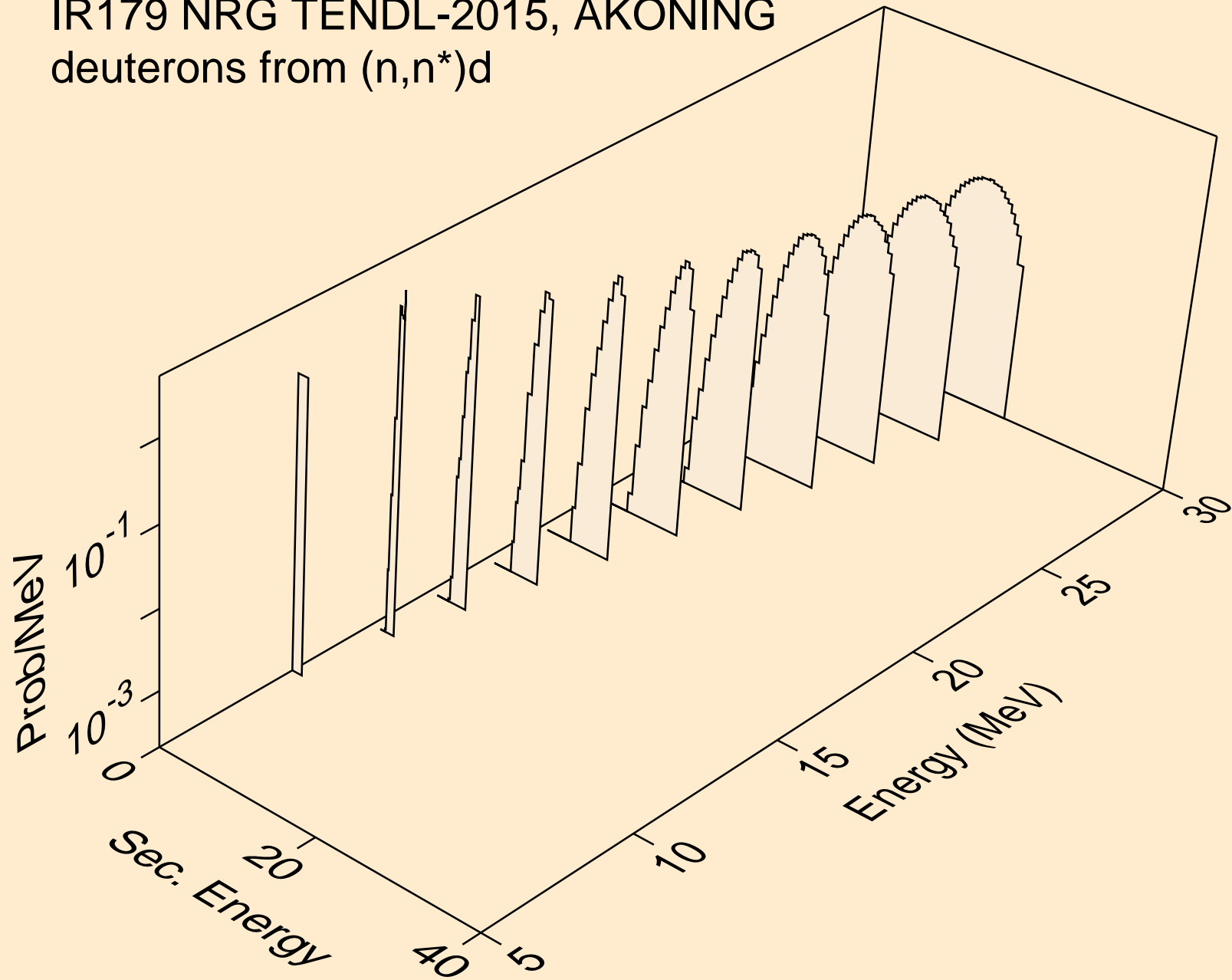
IR179 NRG TENDL-2015, AKONING  
deuterons from (n,x)



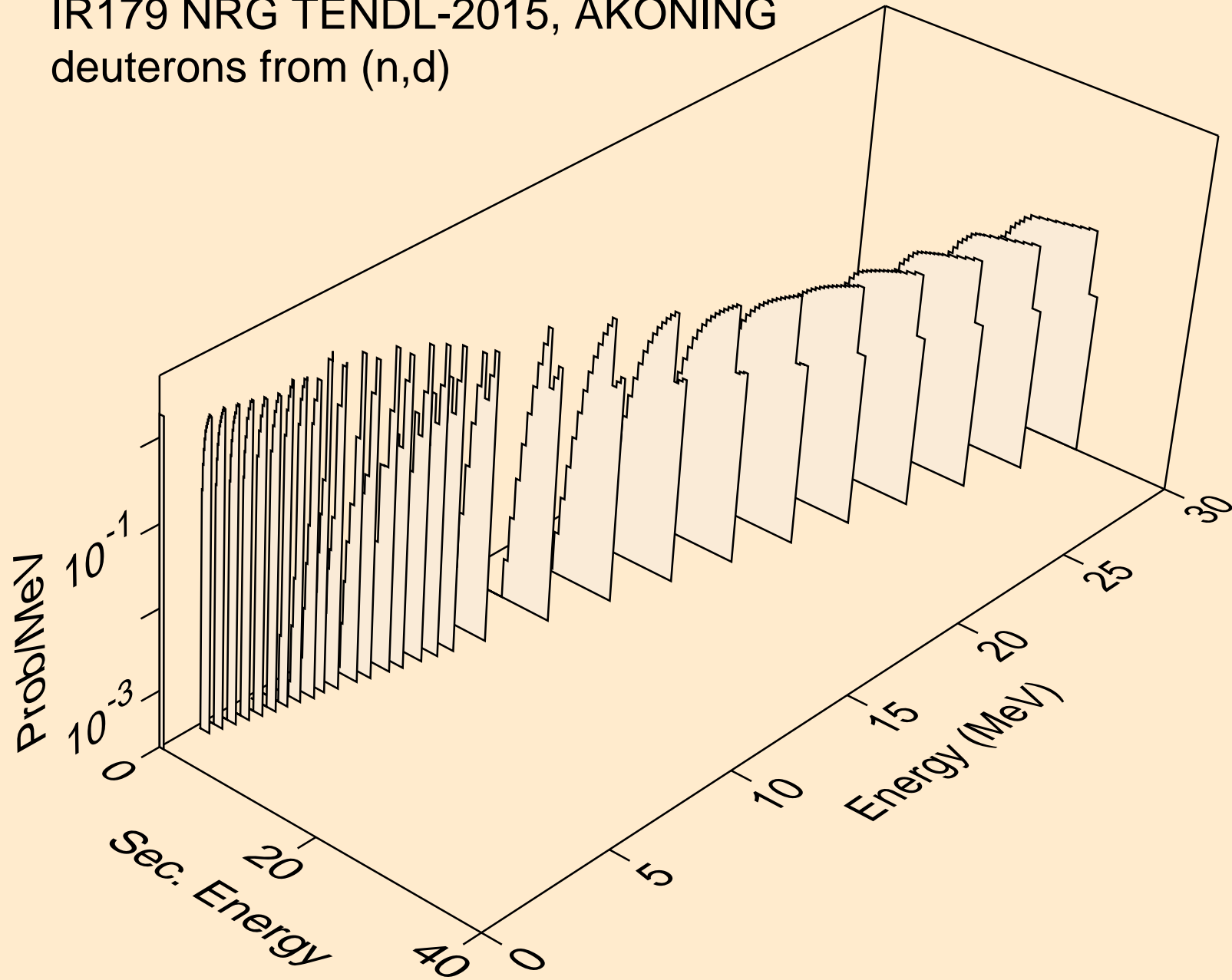
IR179 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



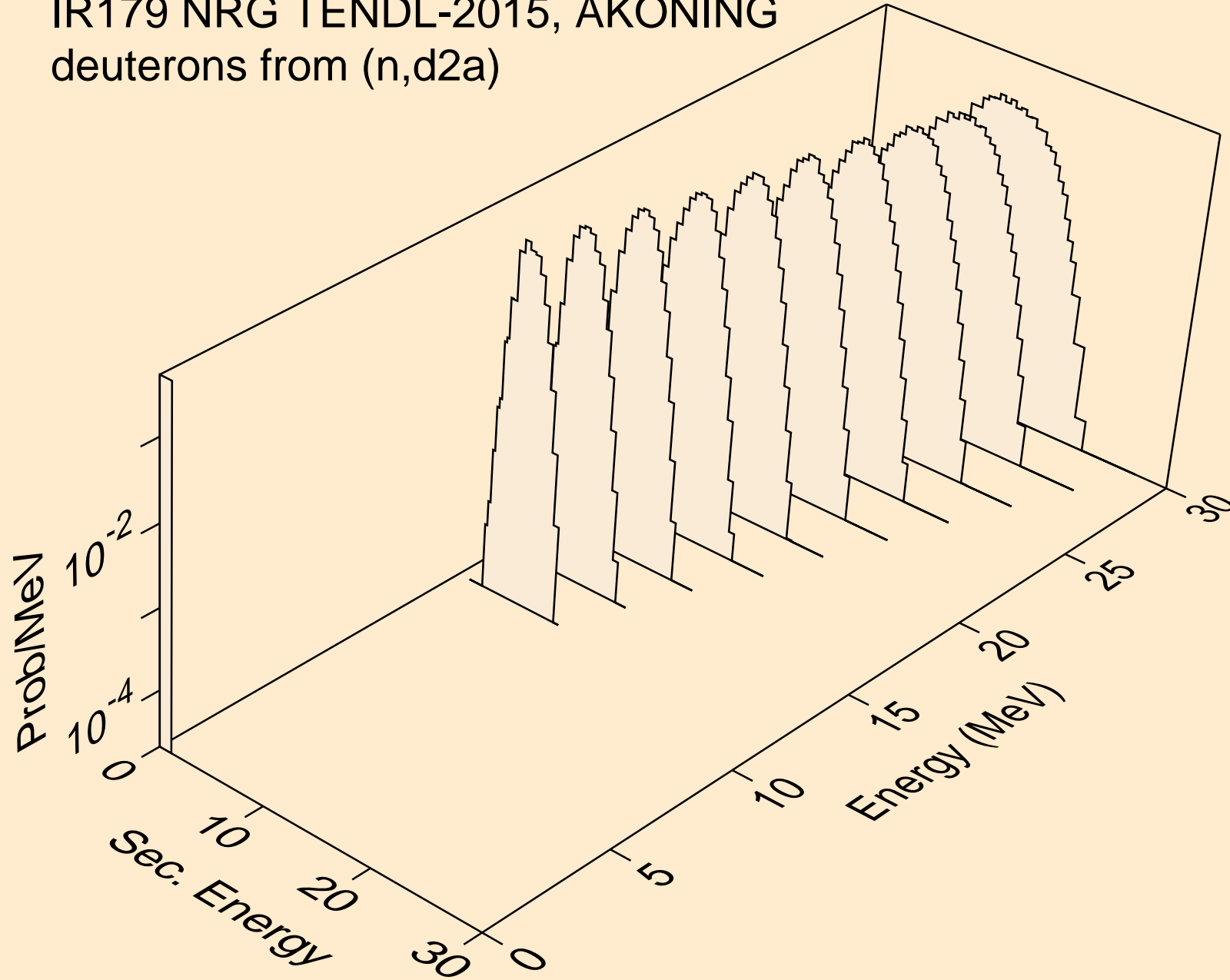
IR179 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



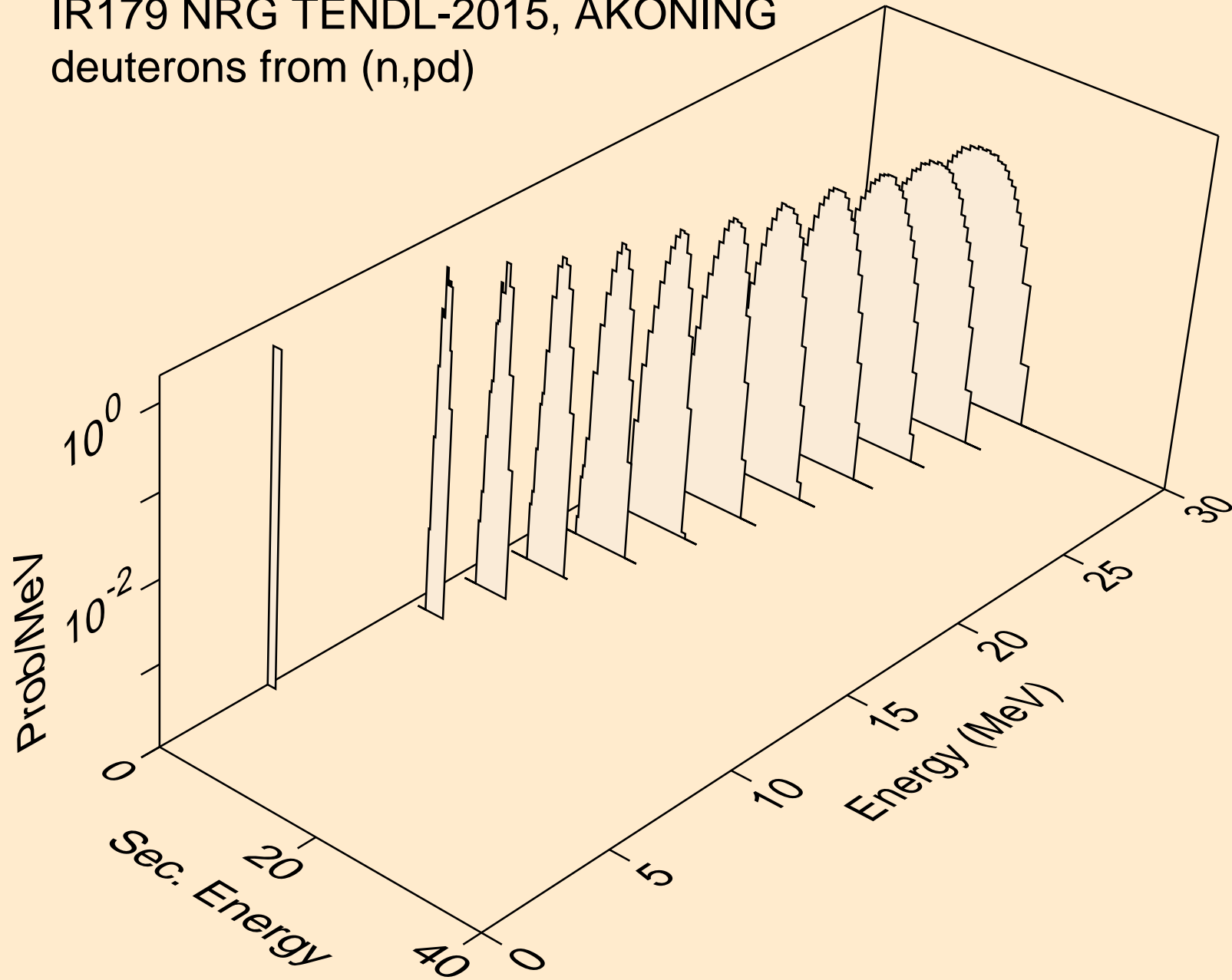
IR179 NRG TENDL-2015, AKONING  
deuterons from (n,d)



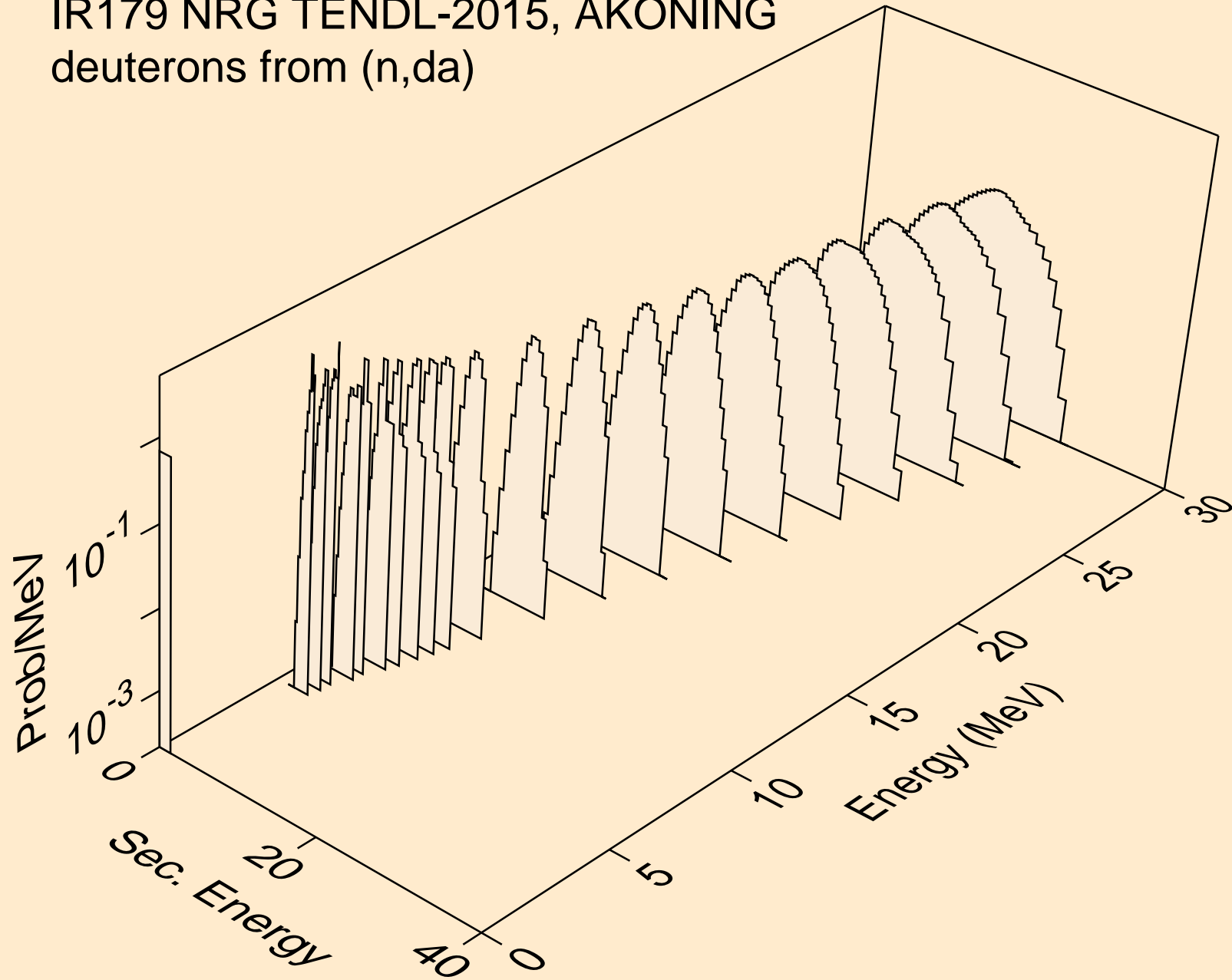
IR179 NRG TENDL-2015, AKONING  
deuterons from (n,d2a)



IR179 NRG TENDL-2015, AKONING  
deuterons from (n,pd)

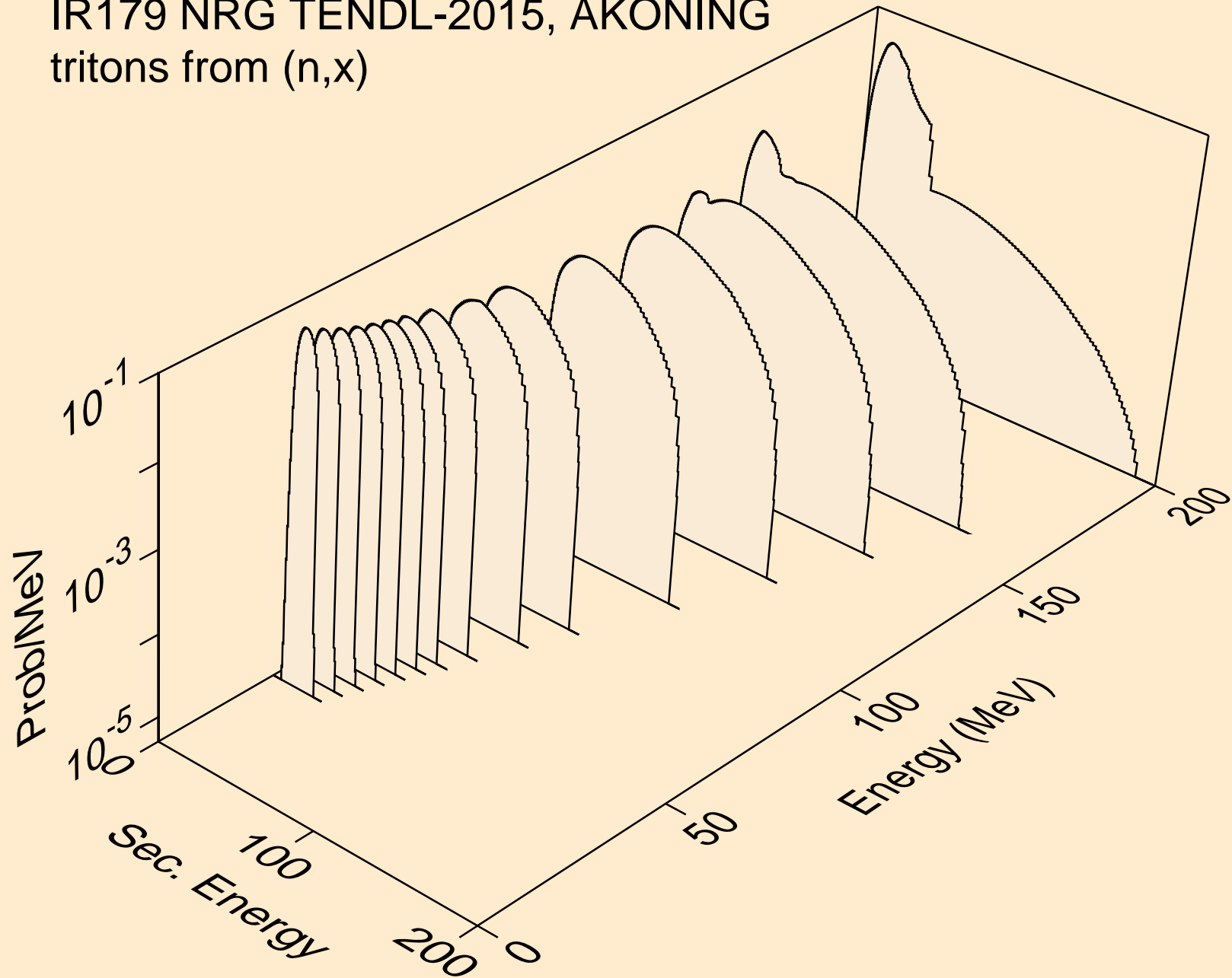


IR179 NRG TENDL-2015, AKONING  
deuterons from (n,da)

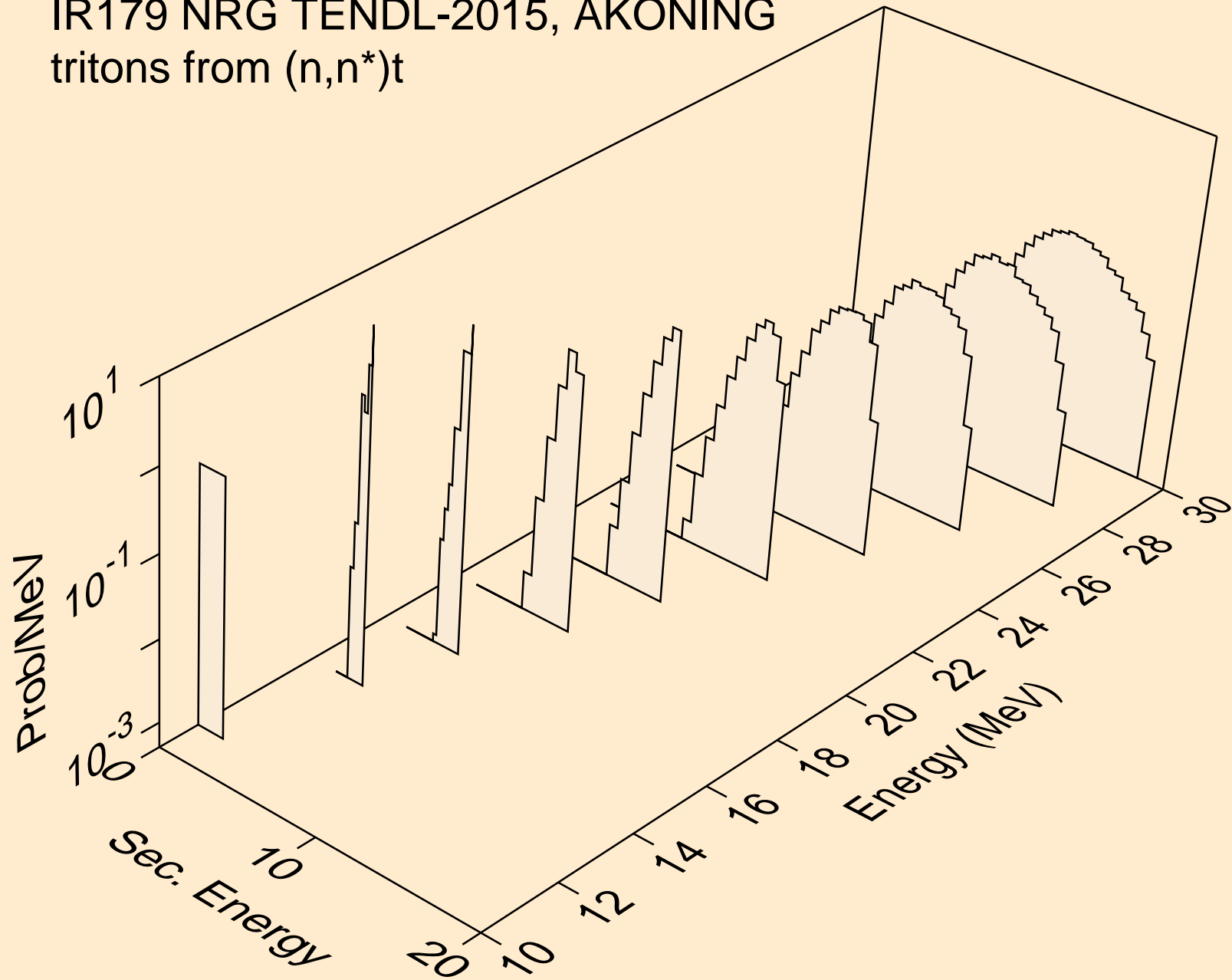




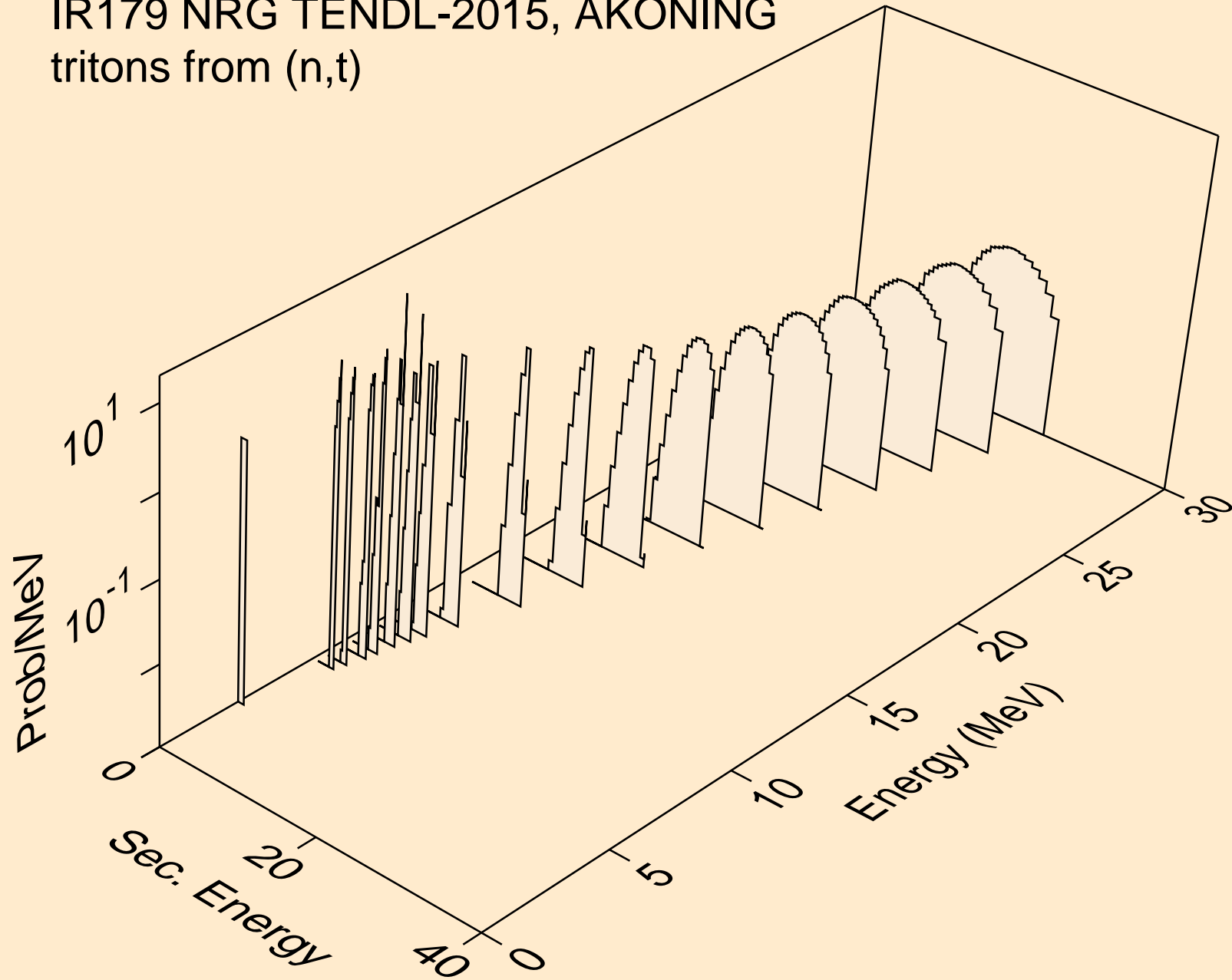
IR179 NRG TENDL-2015, AKONING  
tritons from (n,x)



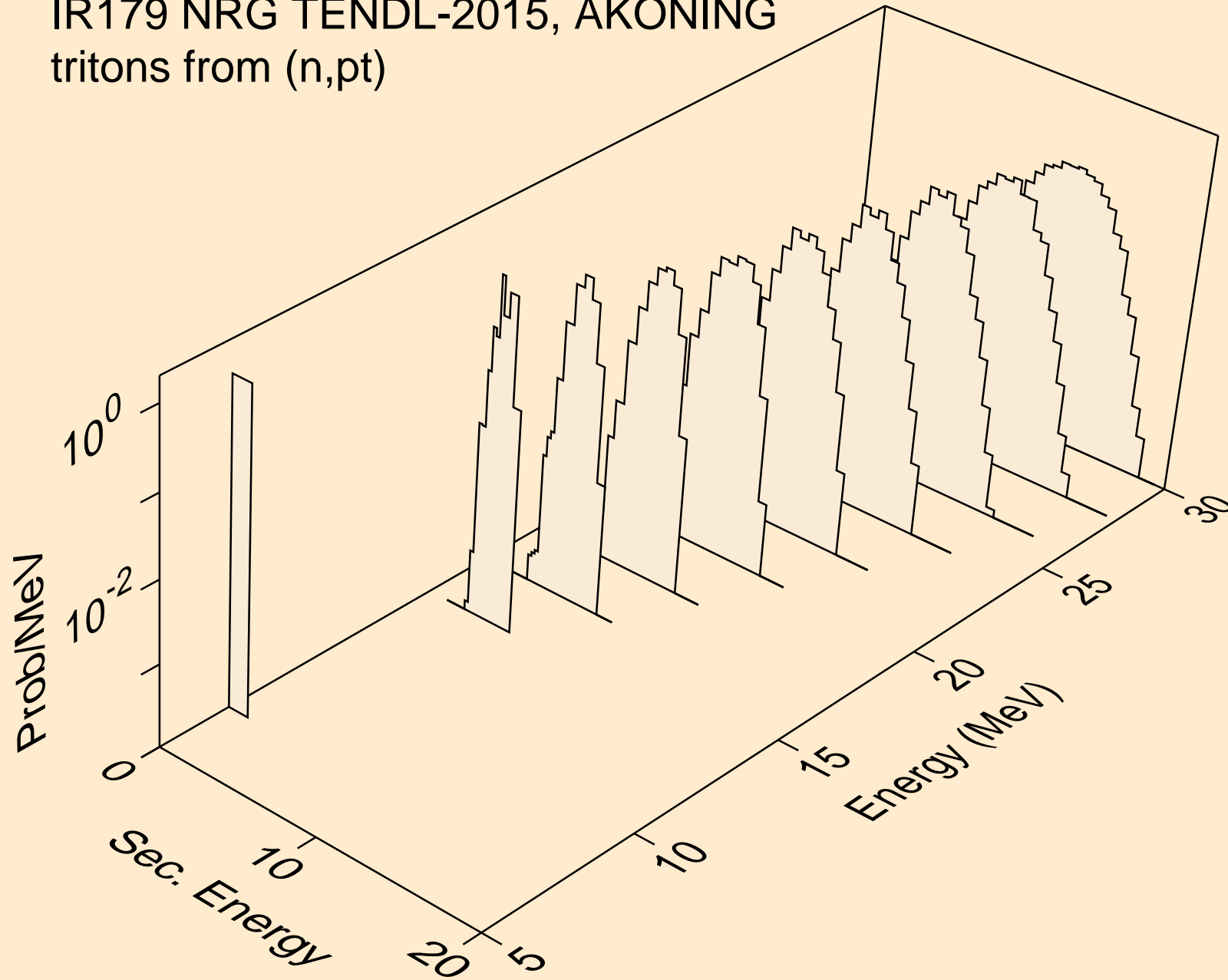
IR179 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



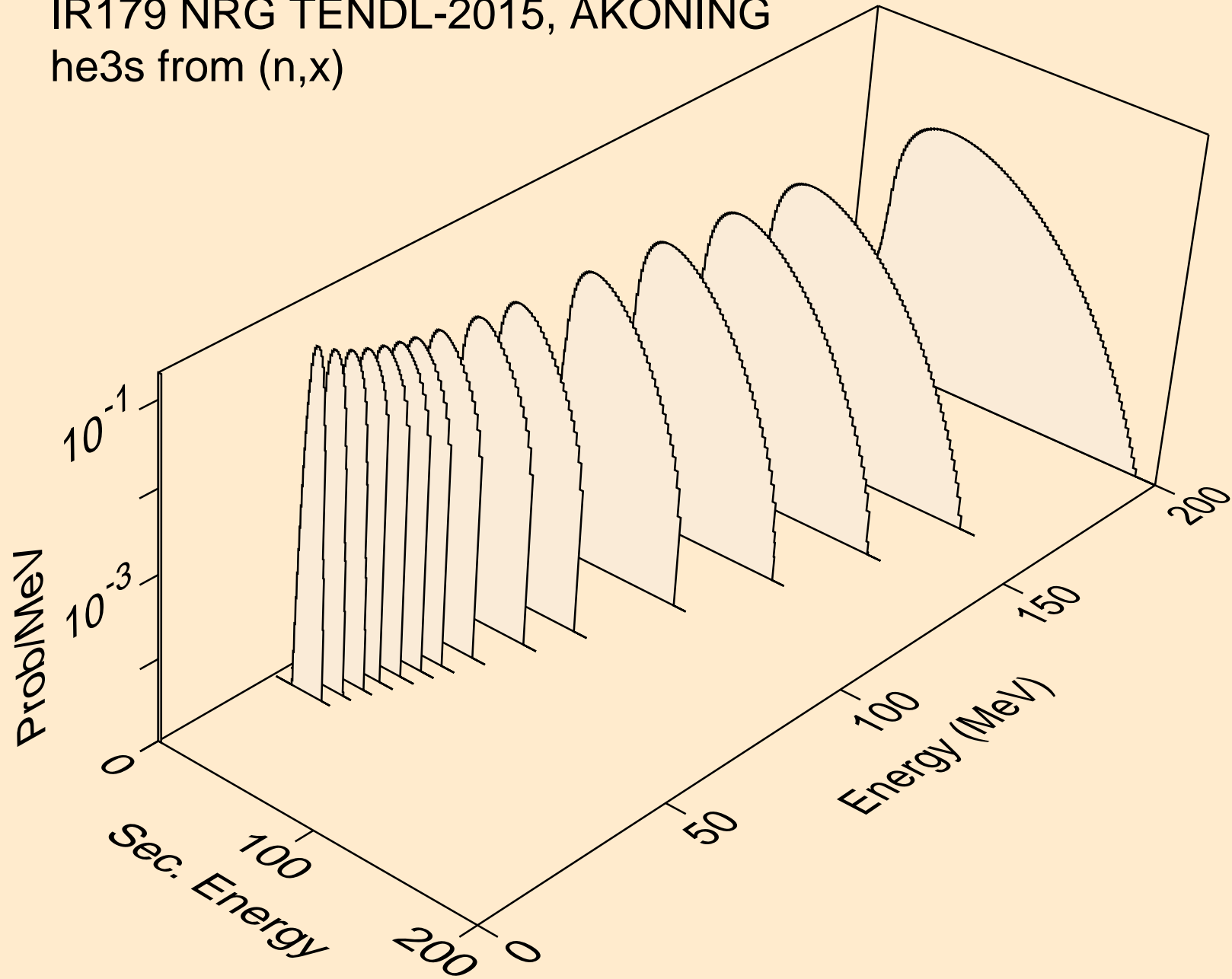
IR179 NRG TENDL-2015, AKONING  
tritons from (n,t)



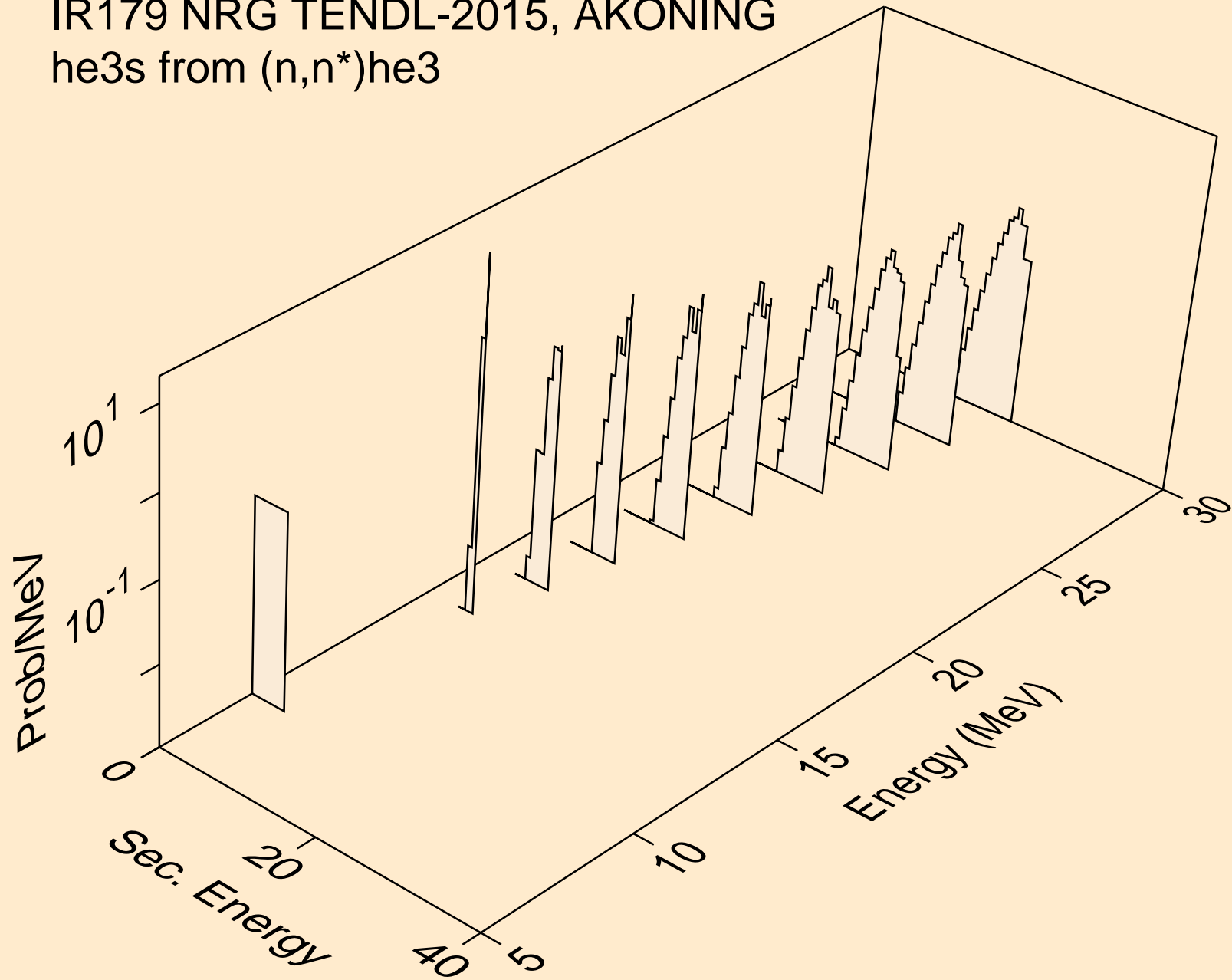
IR179 NRG TENDL-2015, AKONING  
tritons from (n,pt)



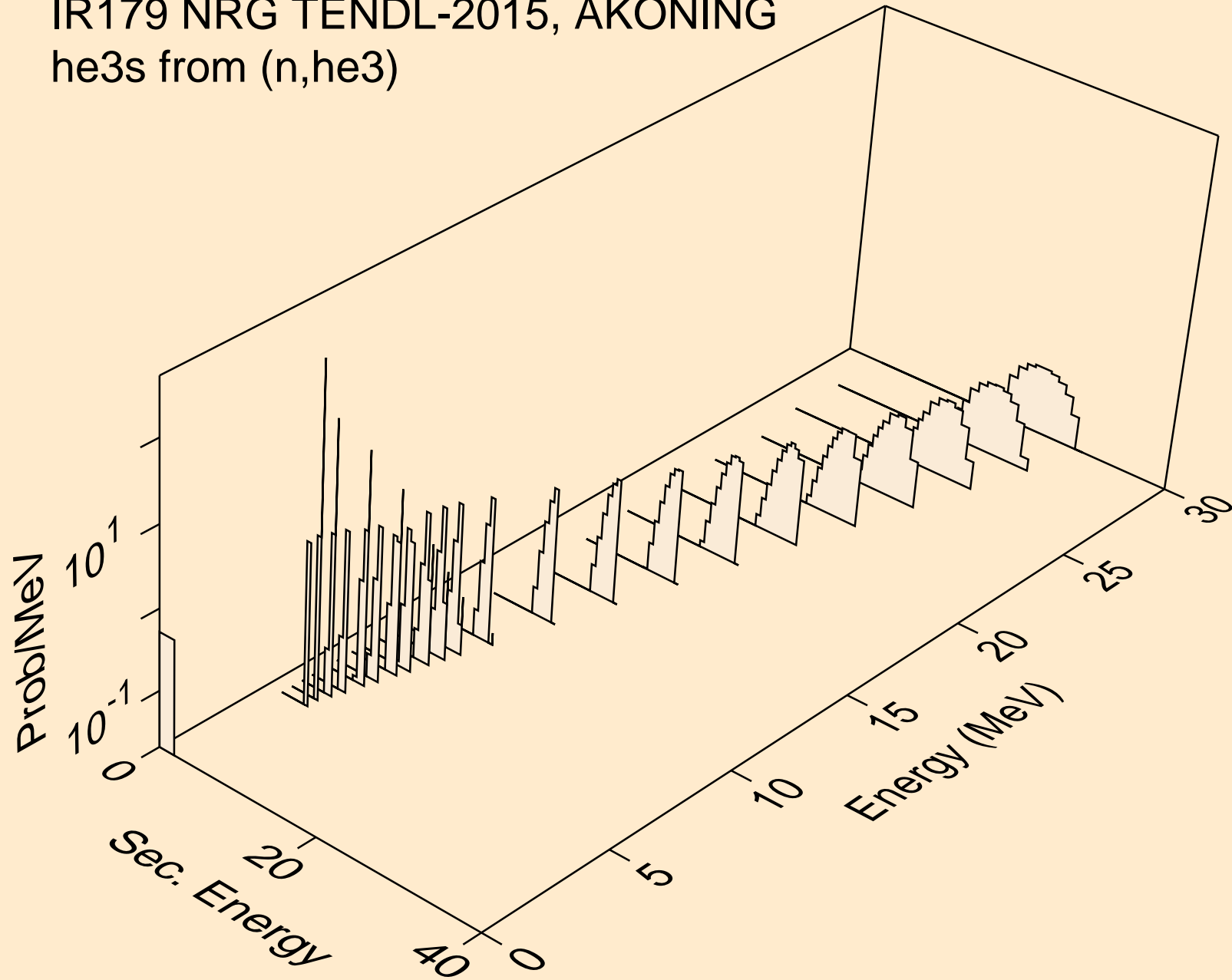
IR179 NRG TENDL-2015, AKONING  
he3s from (n,x)



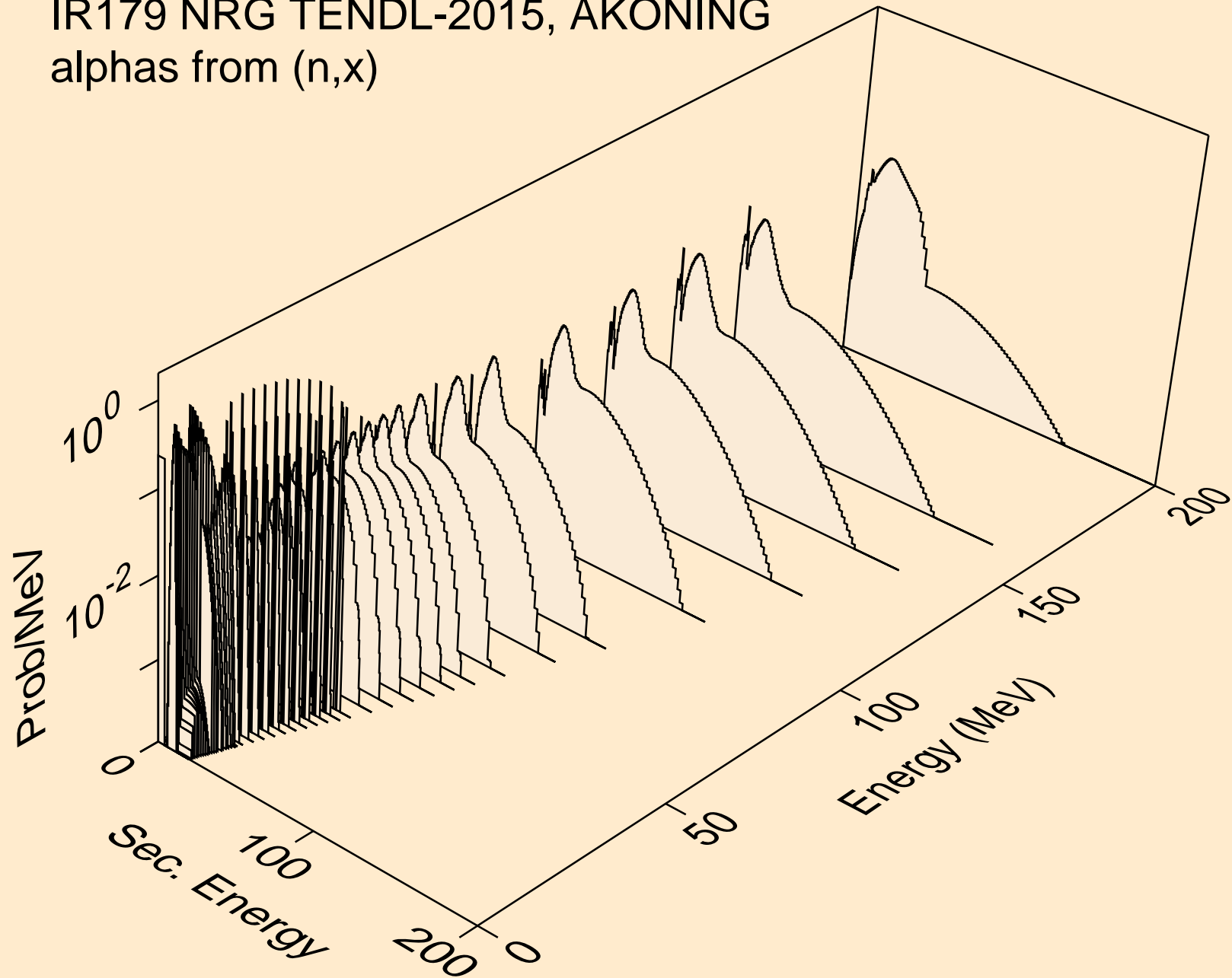
IR179 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



IR179 NRG TENDL-2015, AKONING  
he3s from (n,he3)

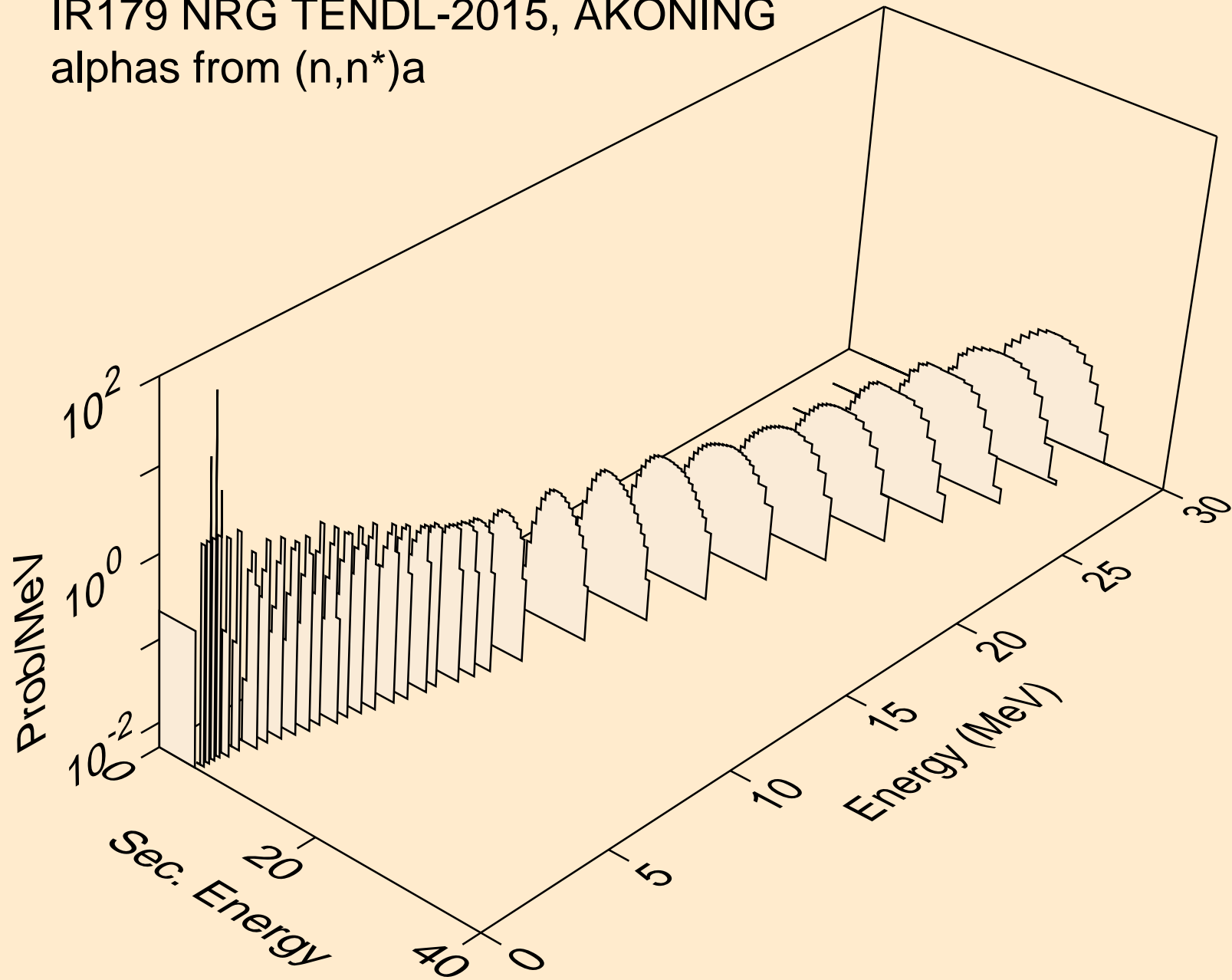


IR179 NRG TENDL-2015, AKONING  
alphas from (n,x)

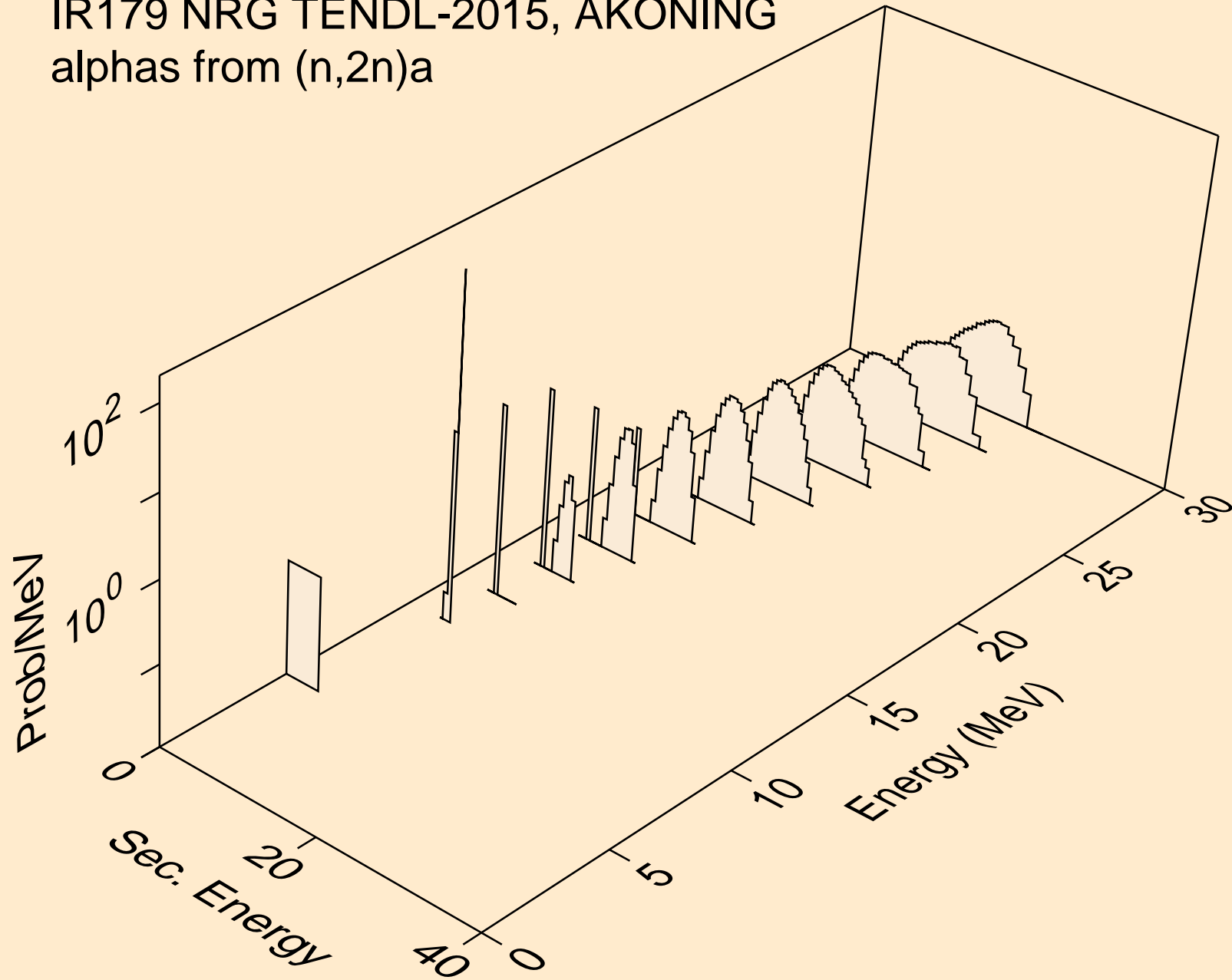




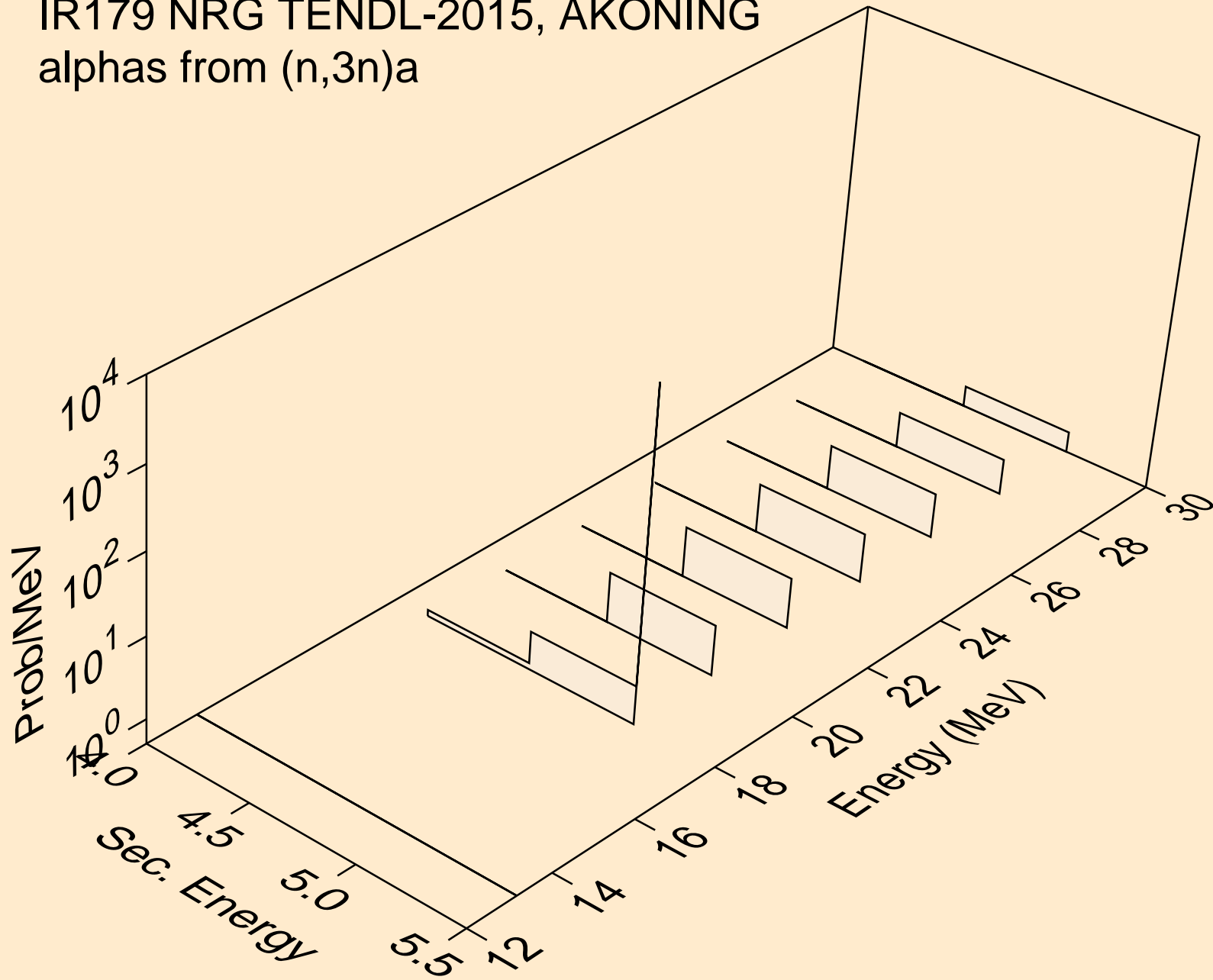
IR179 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



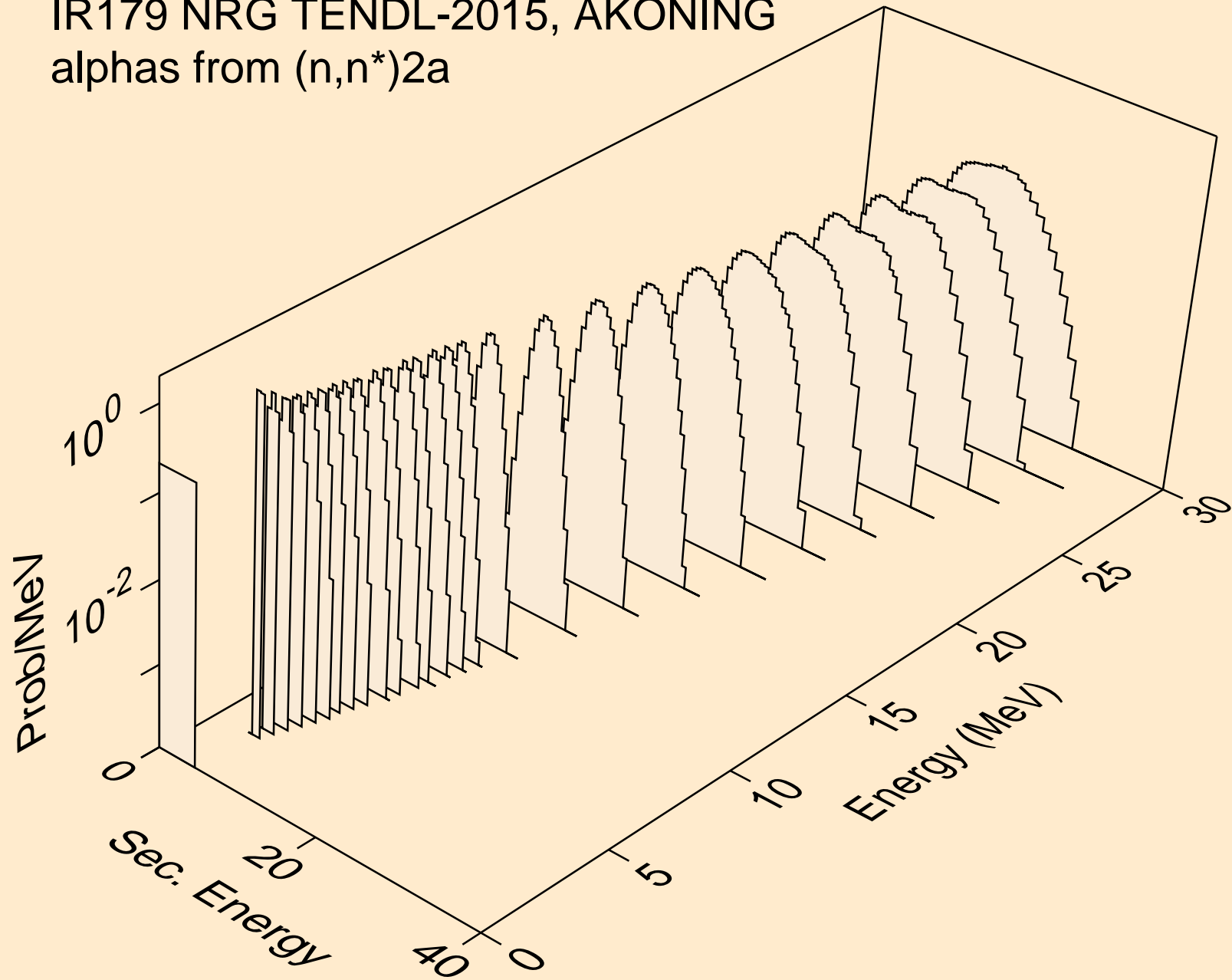
IR179 NRG TENDL-2015, AKONING  
alphas from (n,2n)a



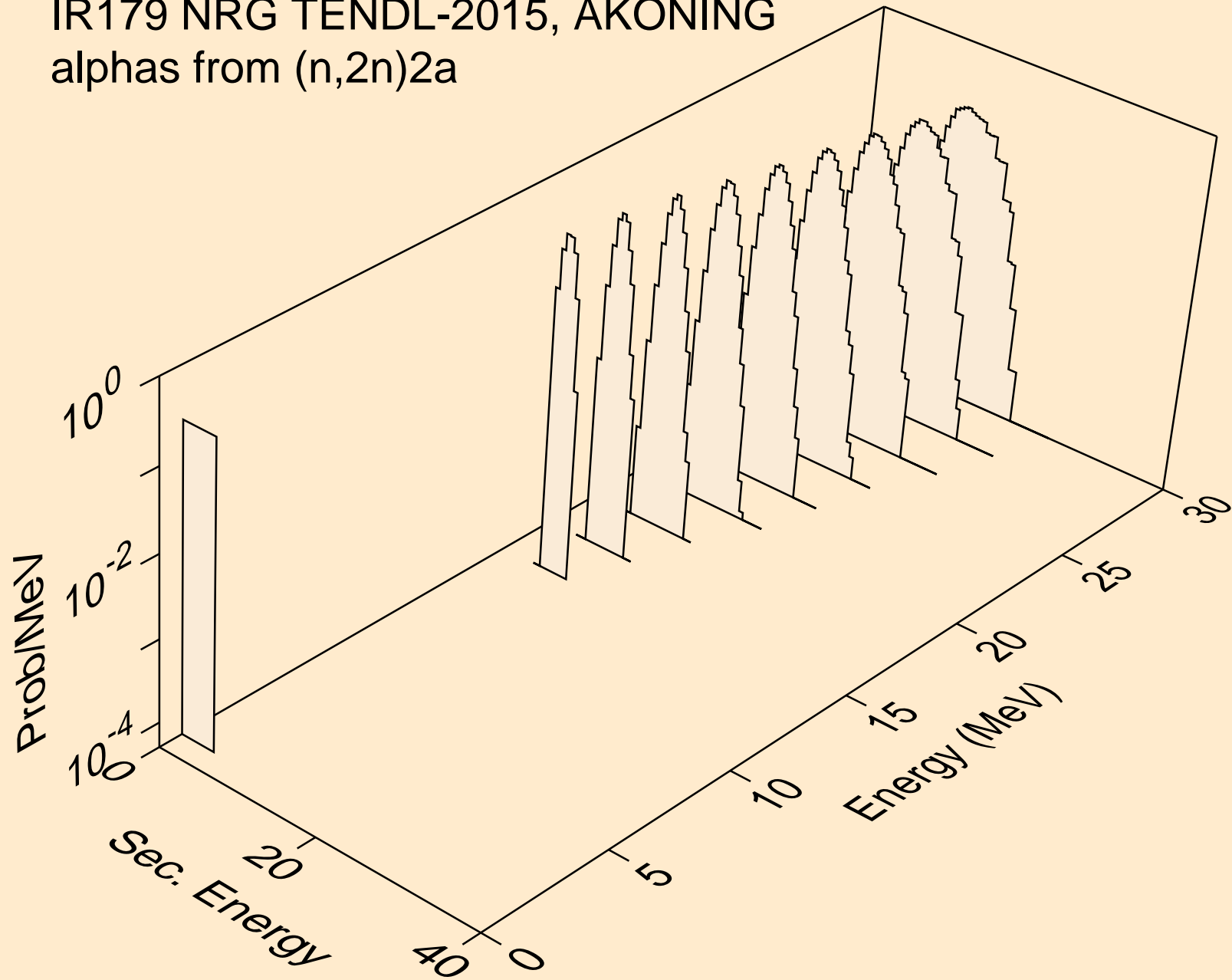
IR179 NRG TENDL-2015, AKONING  
alphas from (n,3n)a



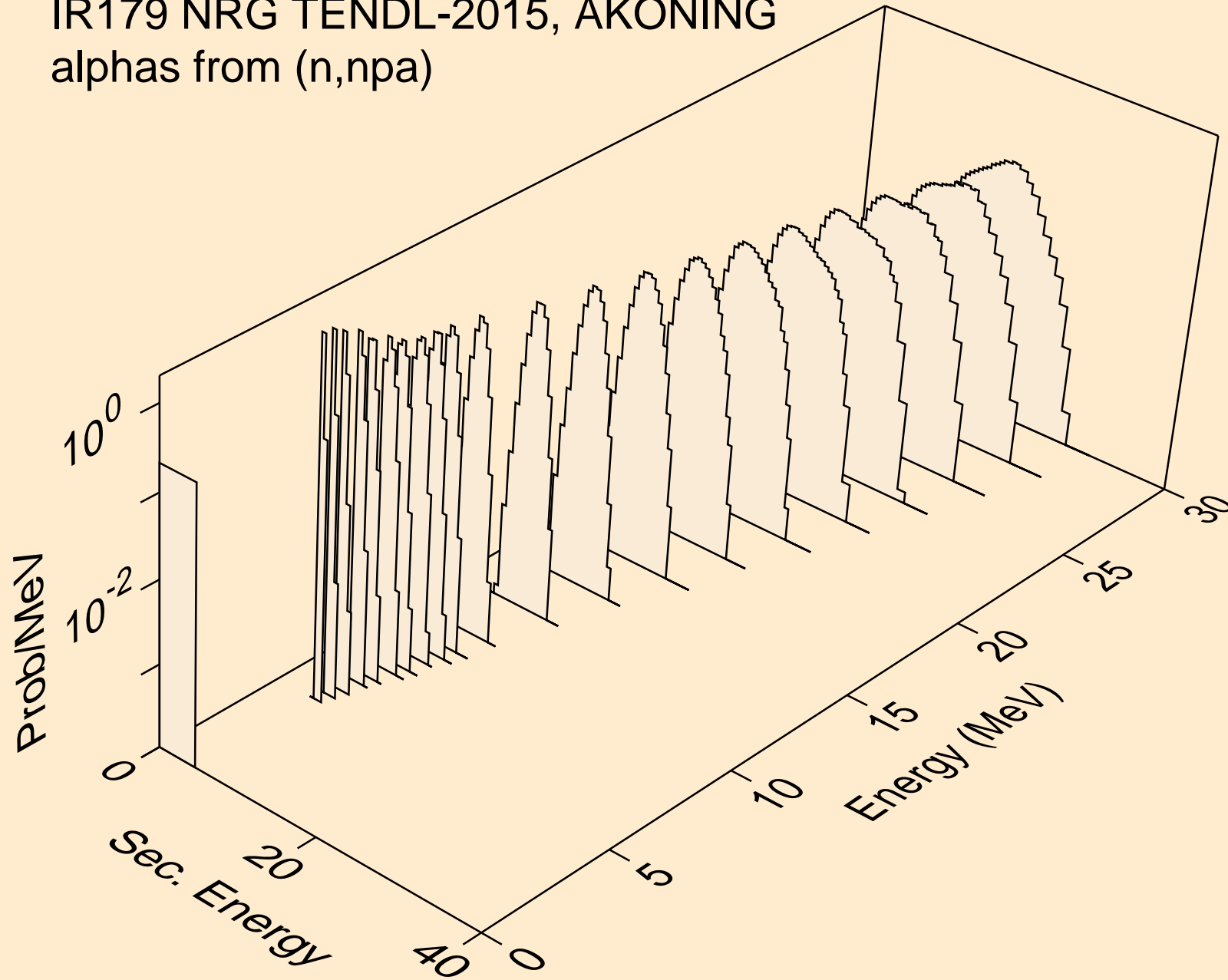
IR179 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



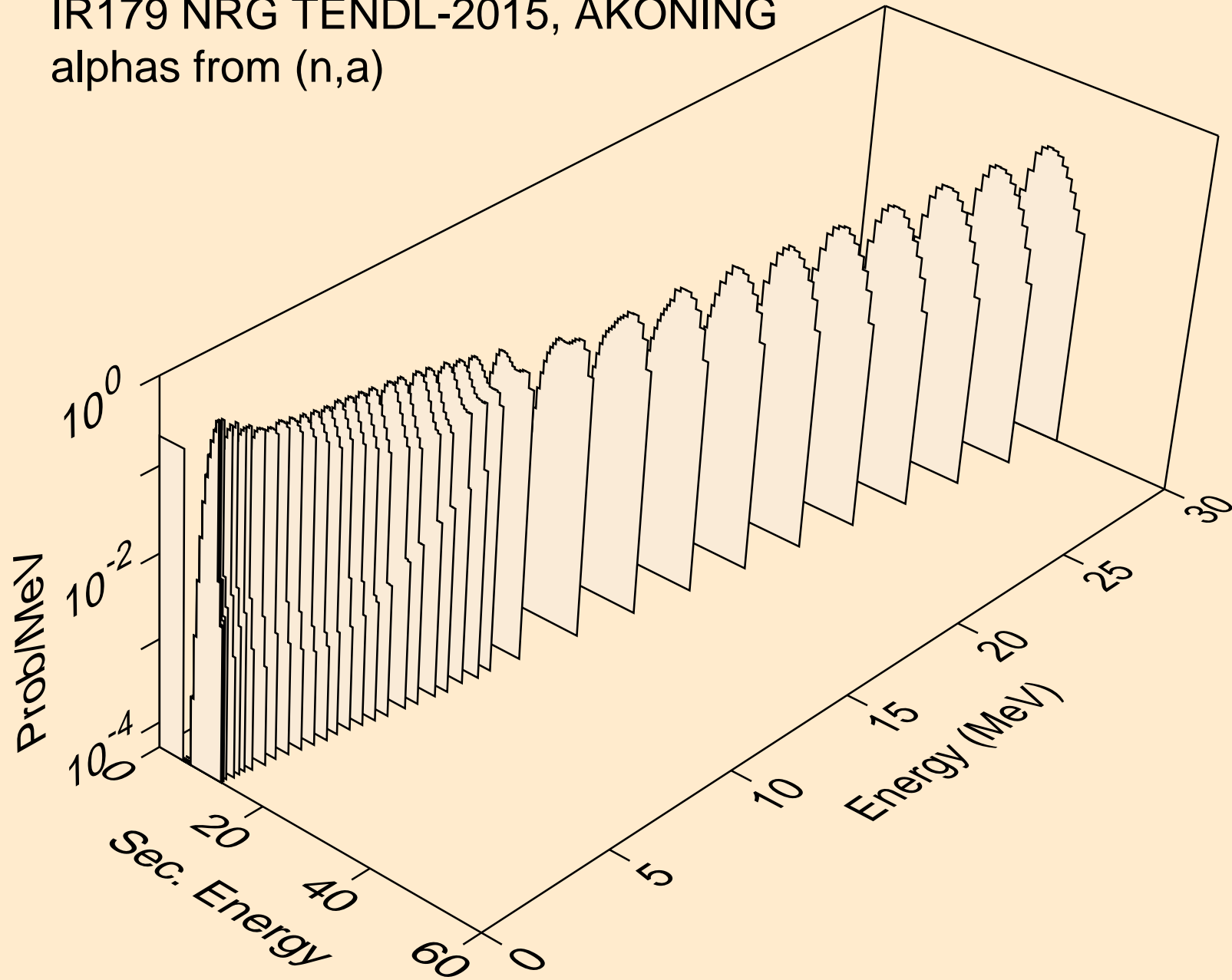
IR179 NRG TENDL-2015, AKONING  
alphas from (n,2n)2a



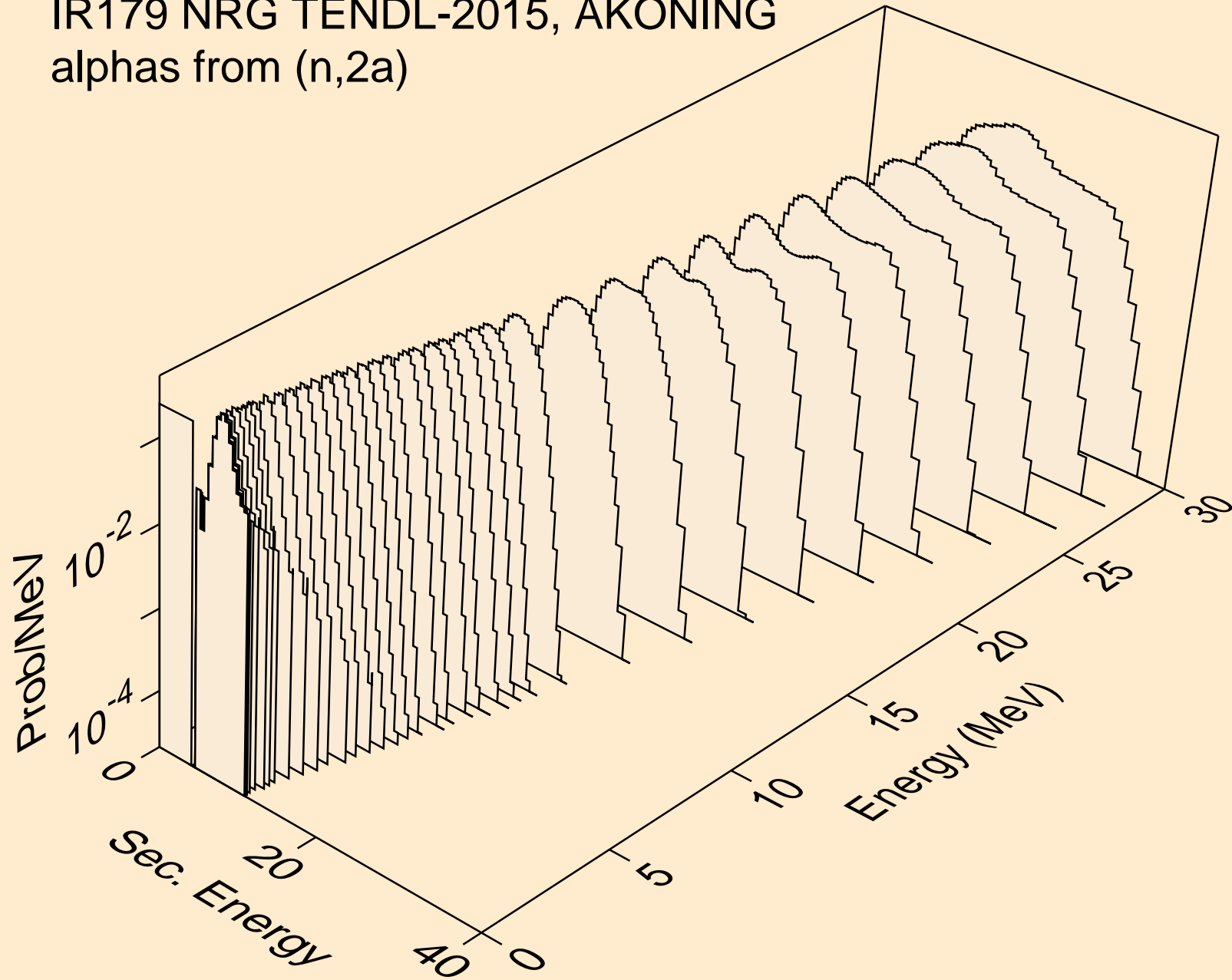
IR179 NRG TENDL-2015, AKONING  
alphas from (n,npa)



IR179 NRG TENDL-2015, AKONING  
alphas from (n,a)

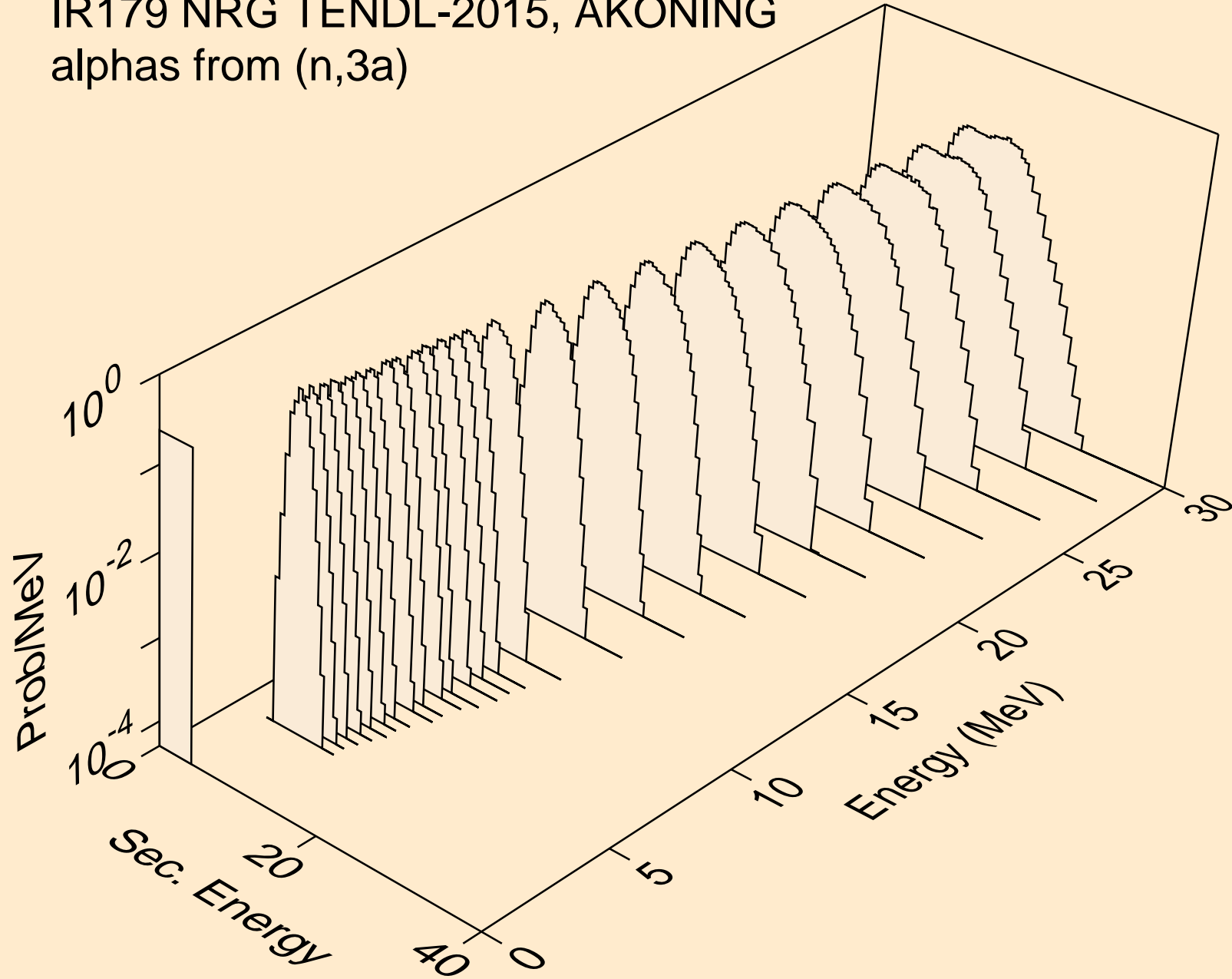


IR179 NRG TENDL-2015, AKONING  
alphas from (n,2a)

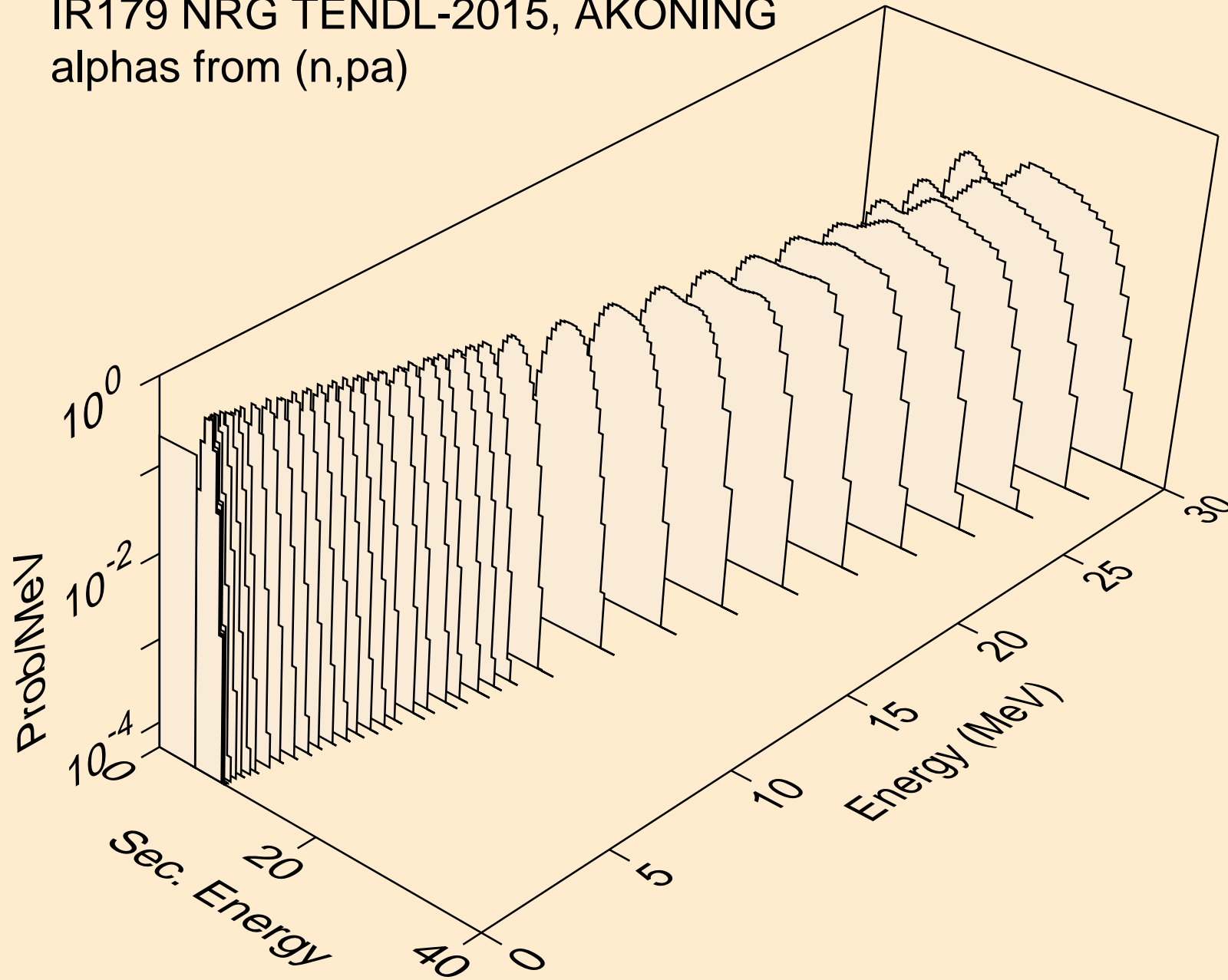




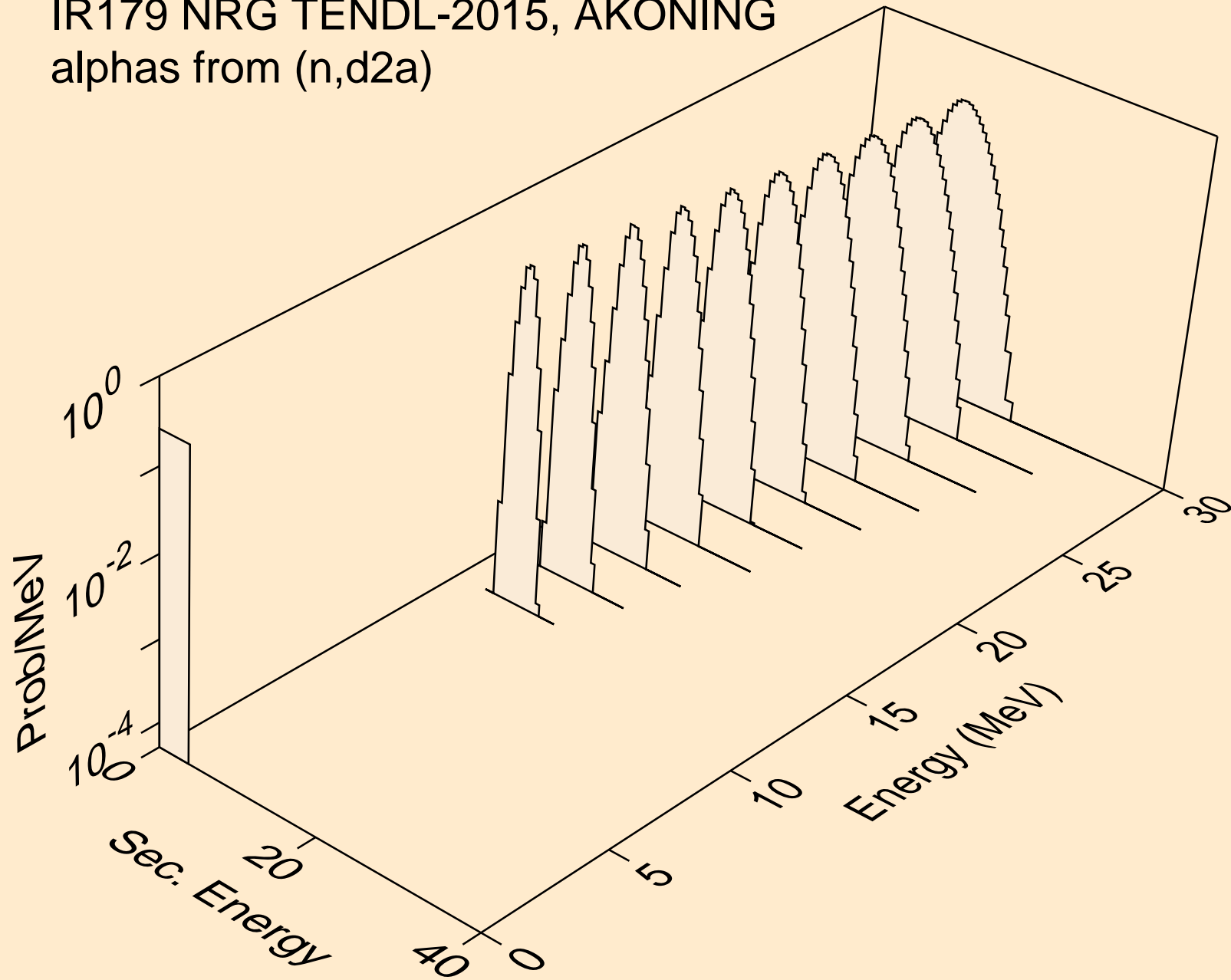
IR179 NRG TENDL-2015, AKONING  
alphas from (n,3a)



IR179 NRG TENDL-2015, AKONING  
alphas from (n,pa)



IR179 NRG TENDL-2015, AKONING  
alphas from (n,d2a)



IR179 NRG TENDL-2015, AKONING  
alphas from (n,da)

