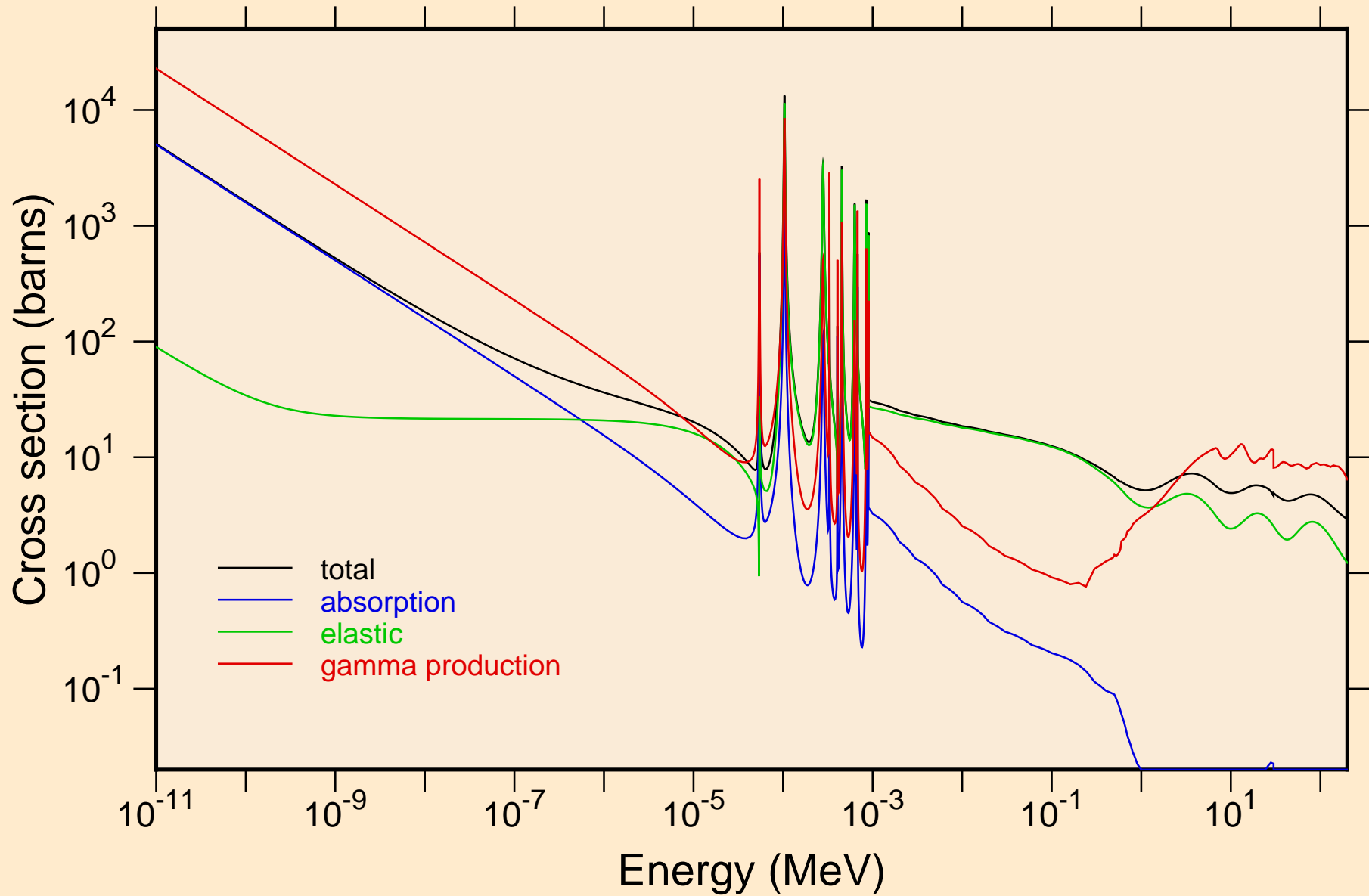
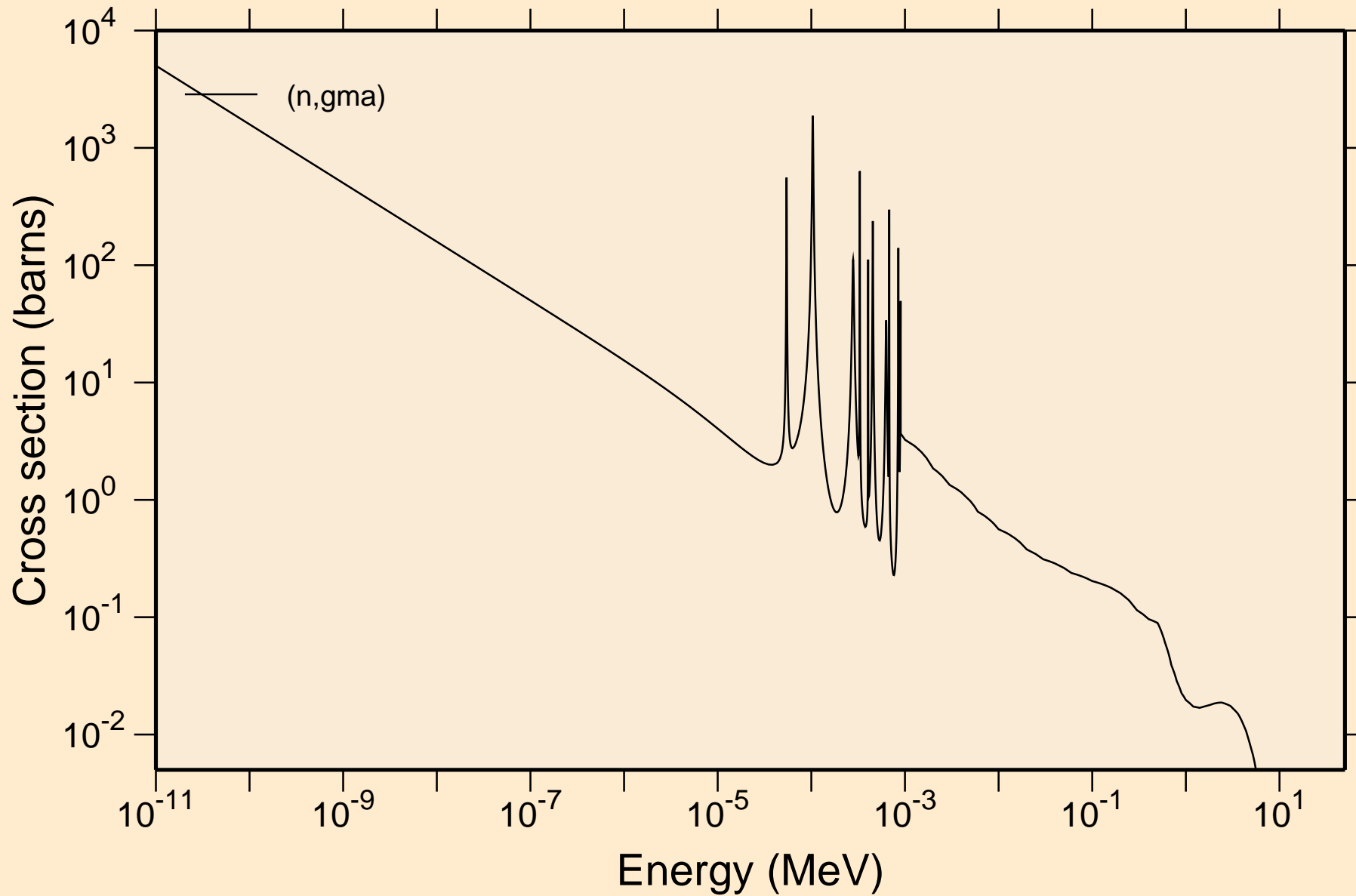


# IR199 NRG TENDL-2015, AKONING

## Principal cross sections

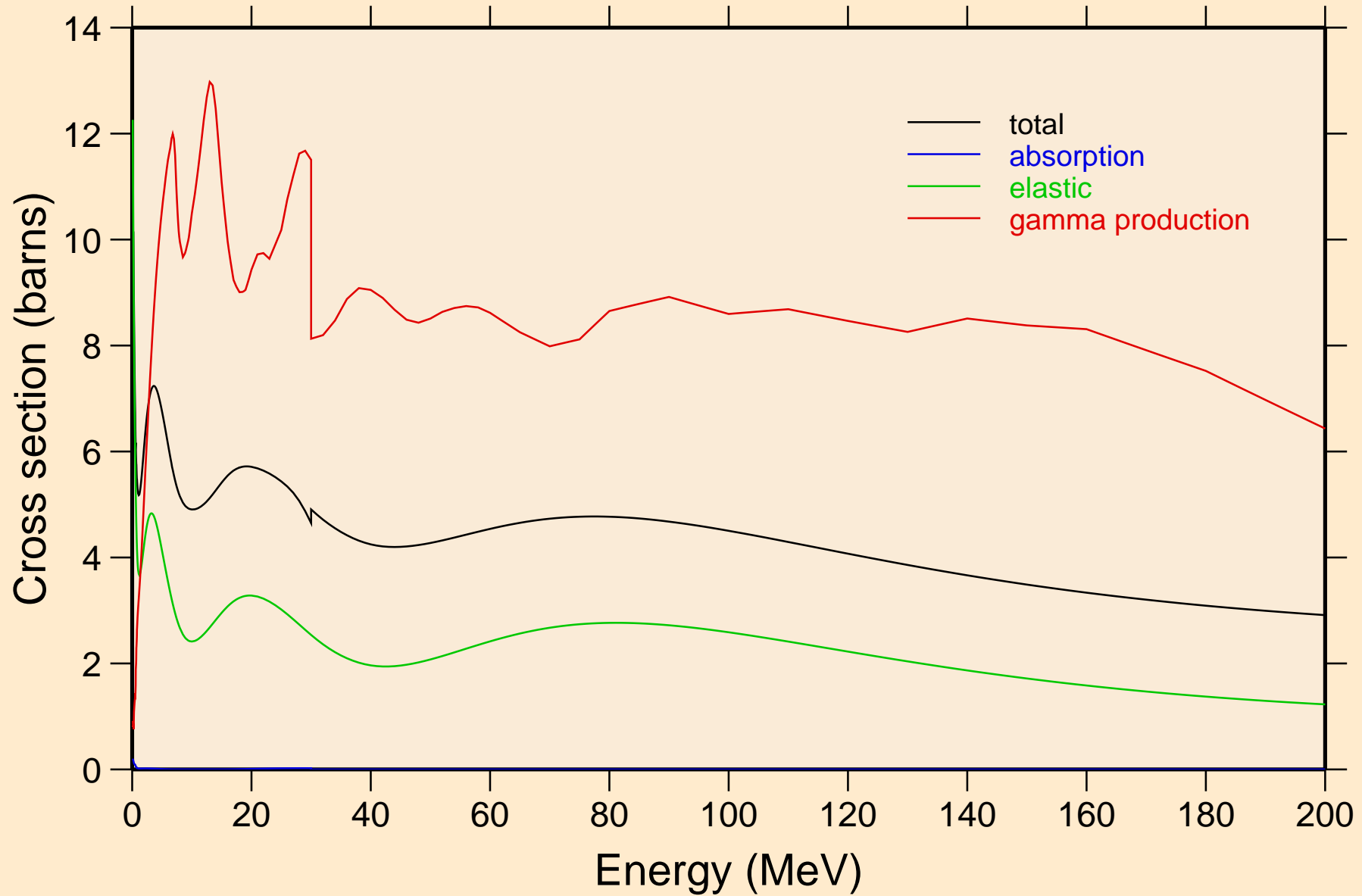


IR199 NRG TENDL-2015, AKONING  
Non-threshold reactions

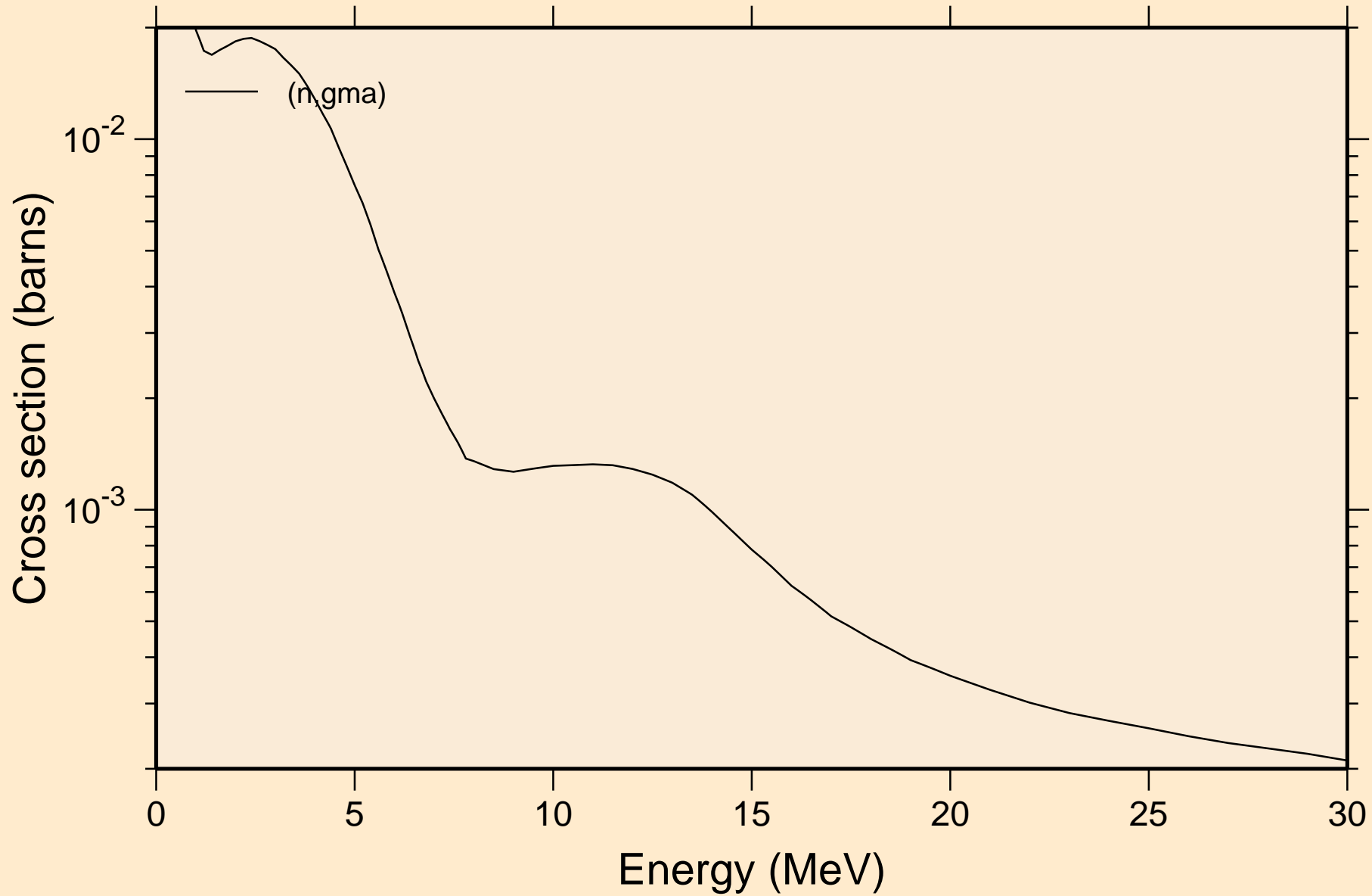


# IR199 NRG TENDL-2015, AKONING

## Principal cross sections

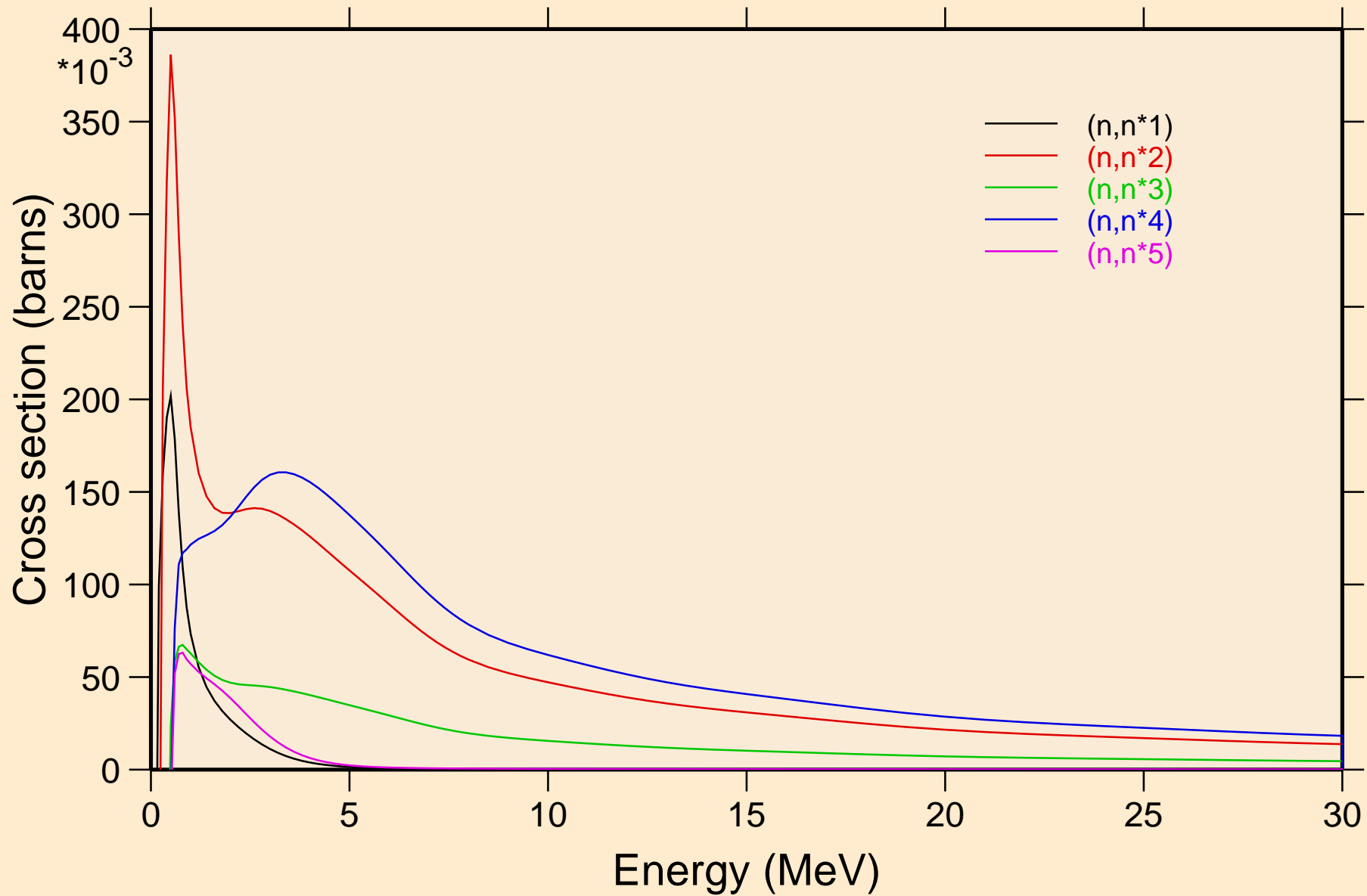


IR199 NRG TENDL-2015, AKONING  
Non-threshold reactions



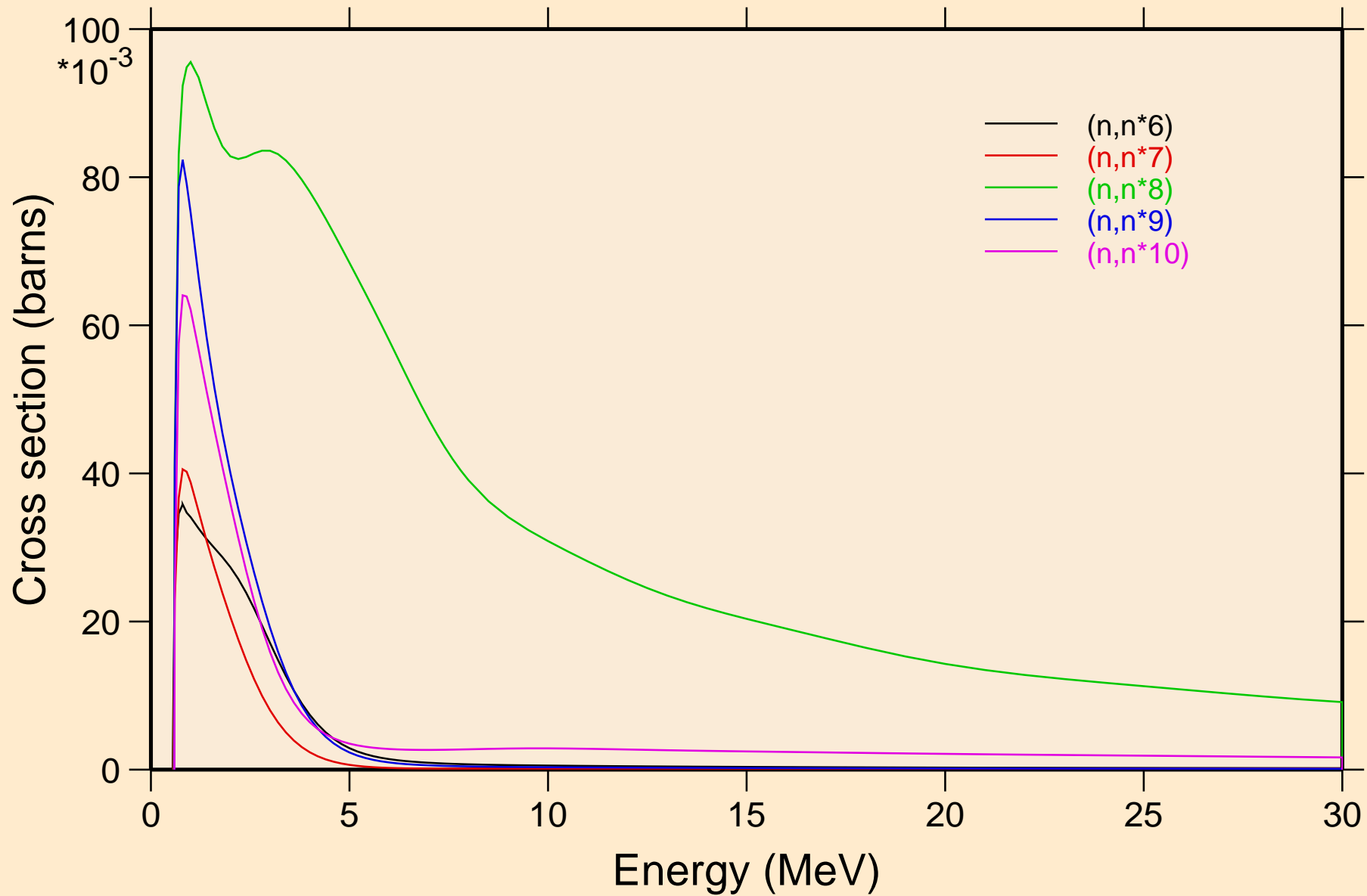
# IR199 NRG TENDL-2015, AKONING

## Inelastic levels



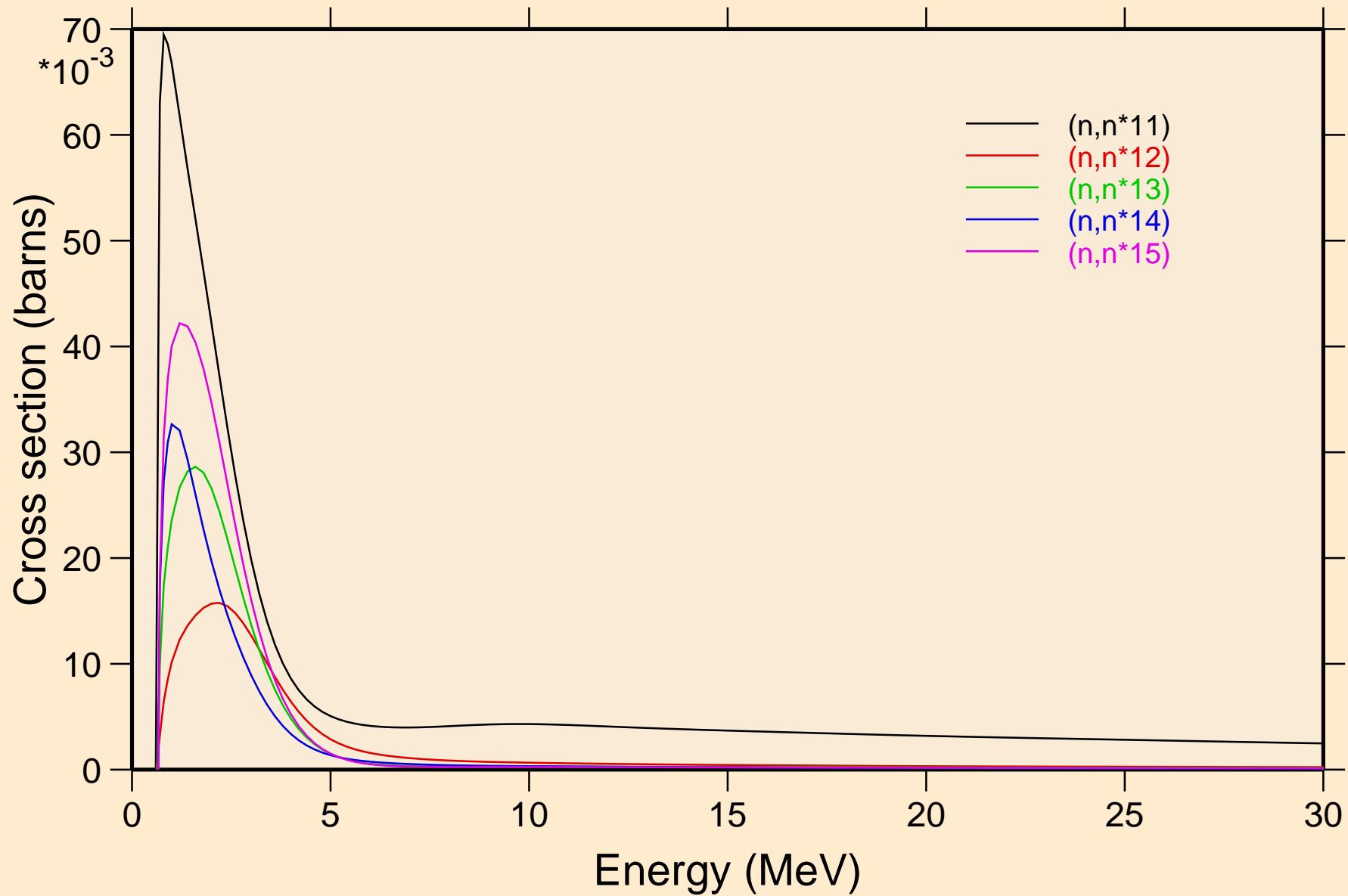
# IR199 NRG TENDL-2015, AKONING

## Inelastic levels



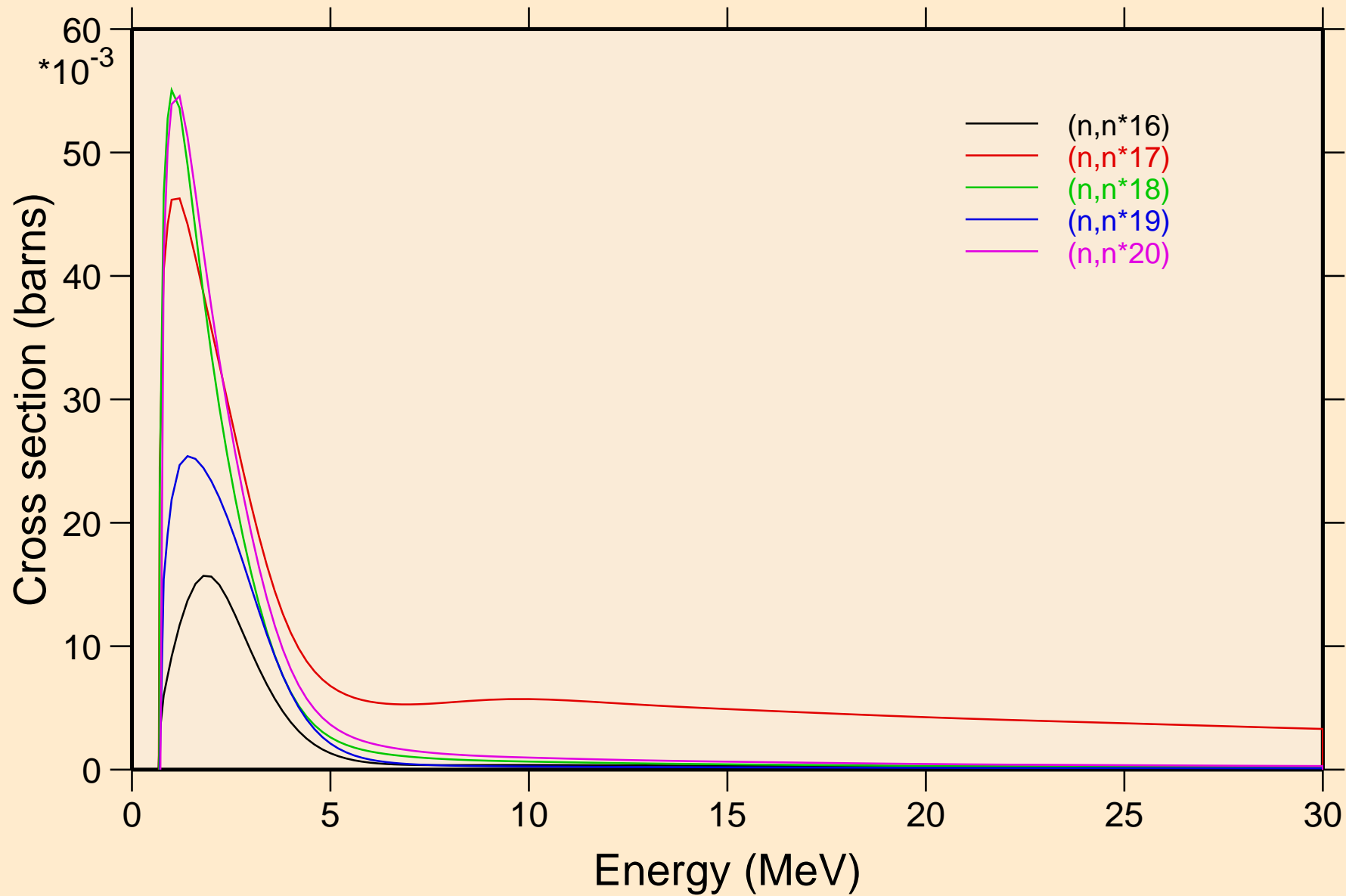
# IR199 NRG TENDL-2015, AKONING

## Inelastic levels



# IR199 NRG TENDL-2015, AKONING

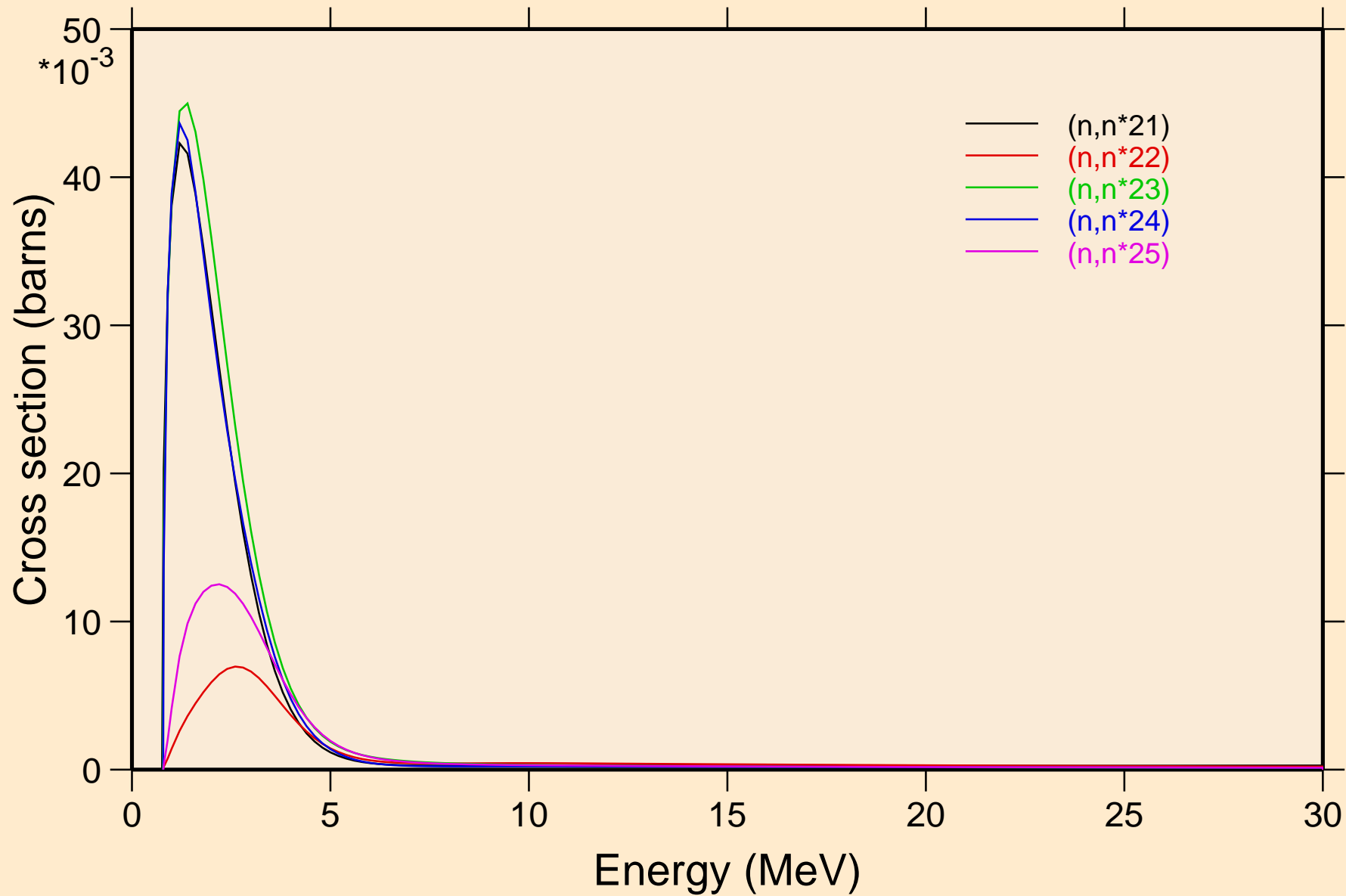
## Inelastic levels





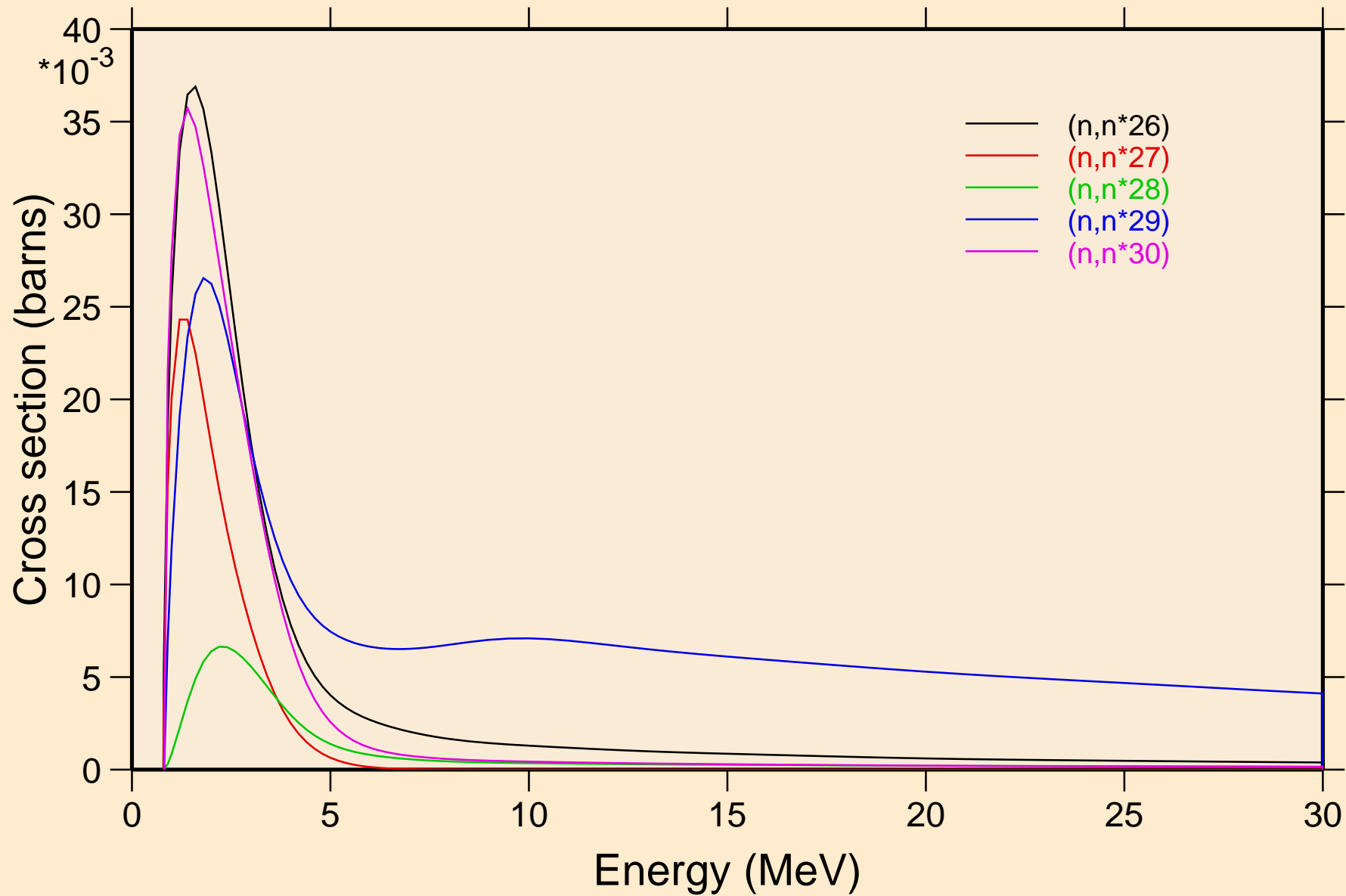
# IR199 NRG TENDL-2015, AKONING

## Inelastic levels



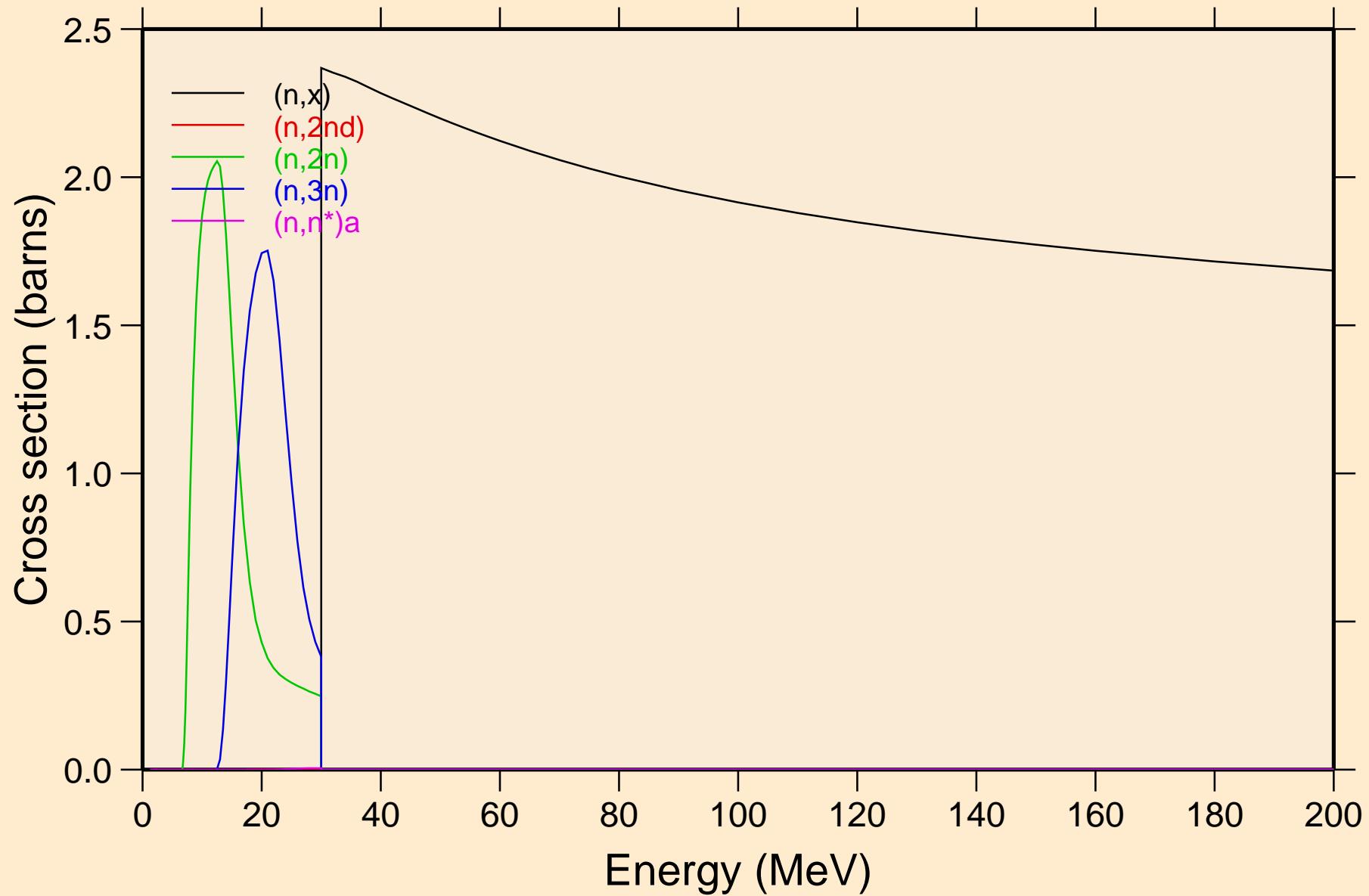
# IR199 NRG TENDL-2015, AKONING

## Inelastic levels



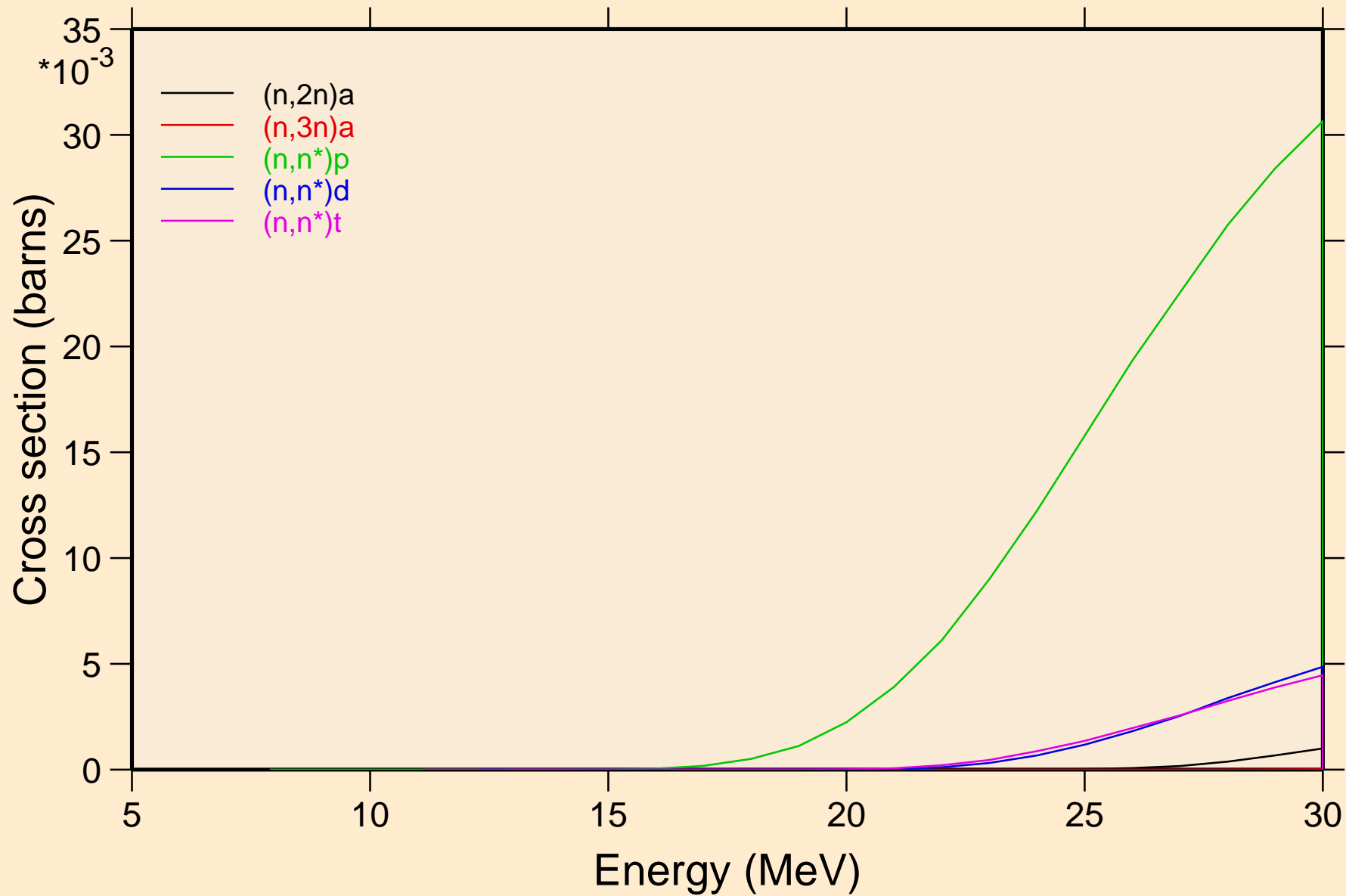
# IR199 NRG TENDL-2015, AKONING

## Threshold reactions



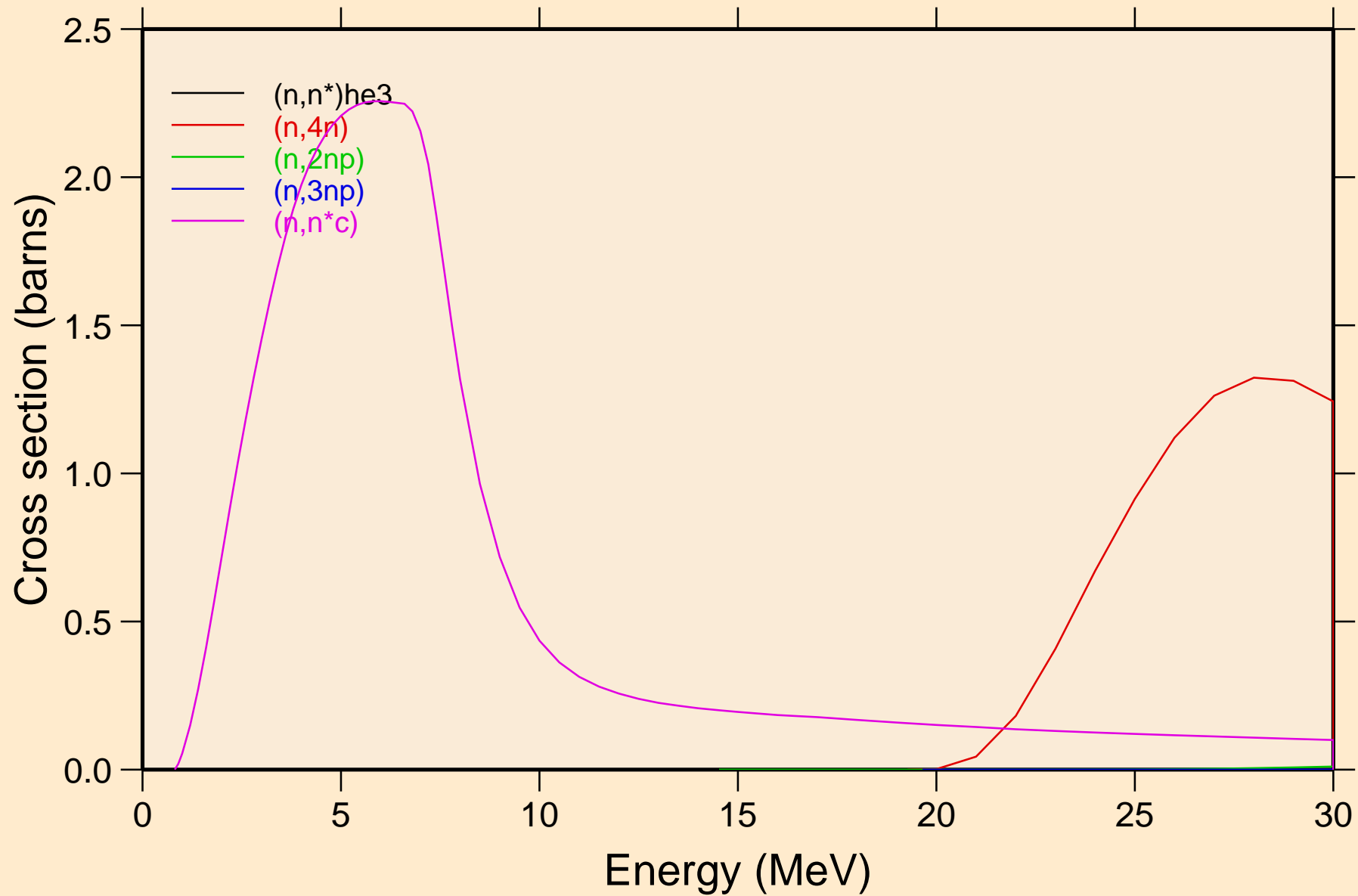
# IR199 NRG TENDL-2015, AKONING

## Threshold reactions



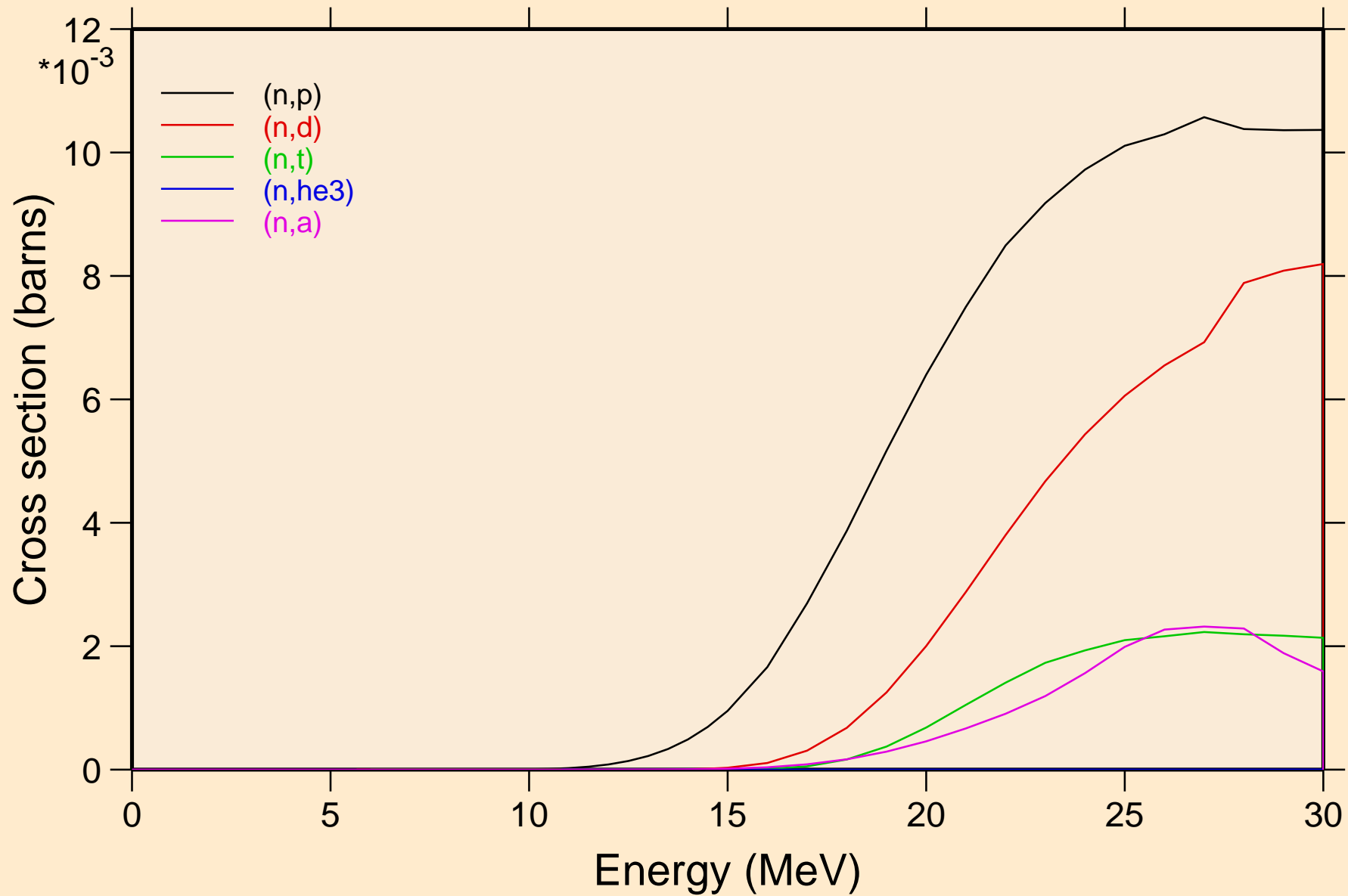
# IR199 NRG TENDL-2015, AKONING

## Threshold reactions



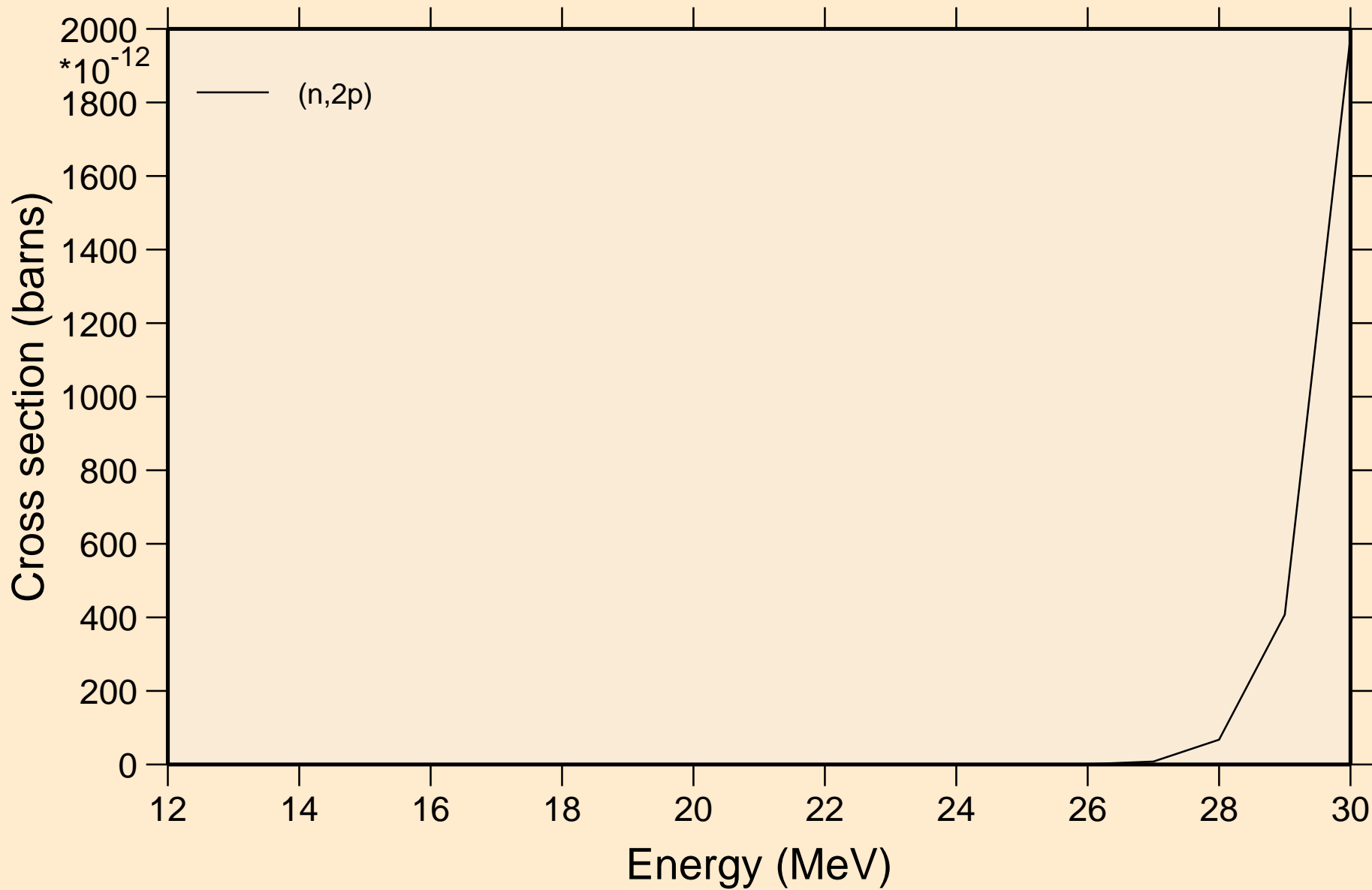
# IR199 NRG TENDL-2015, AKONING

## Threshold reactions

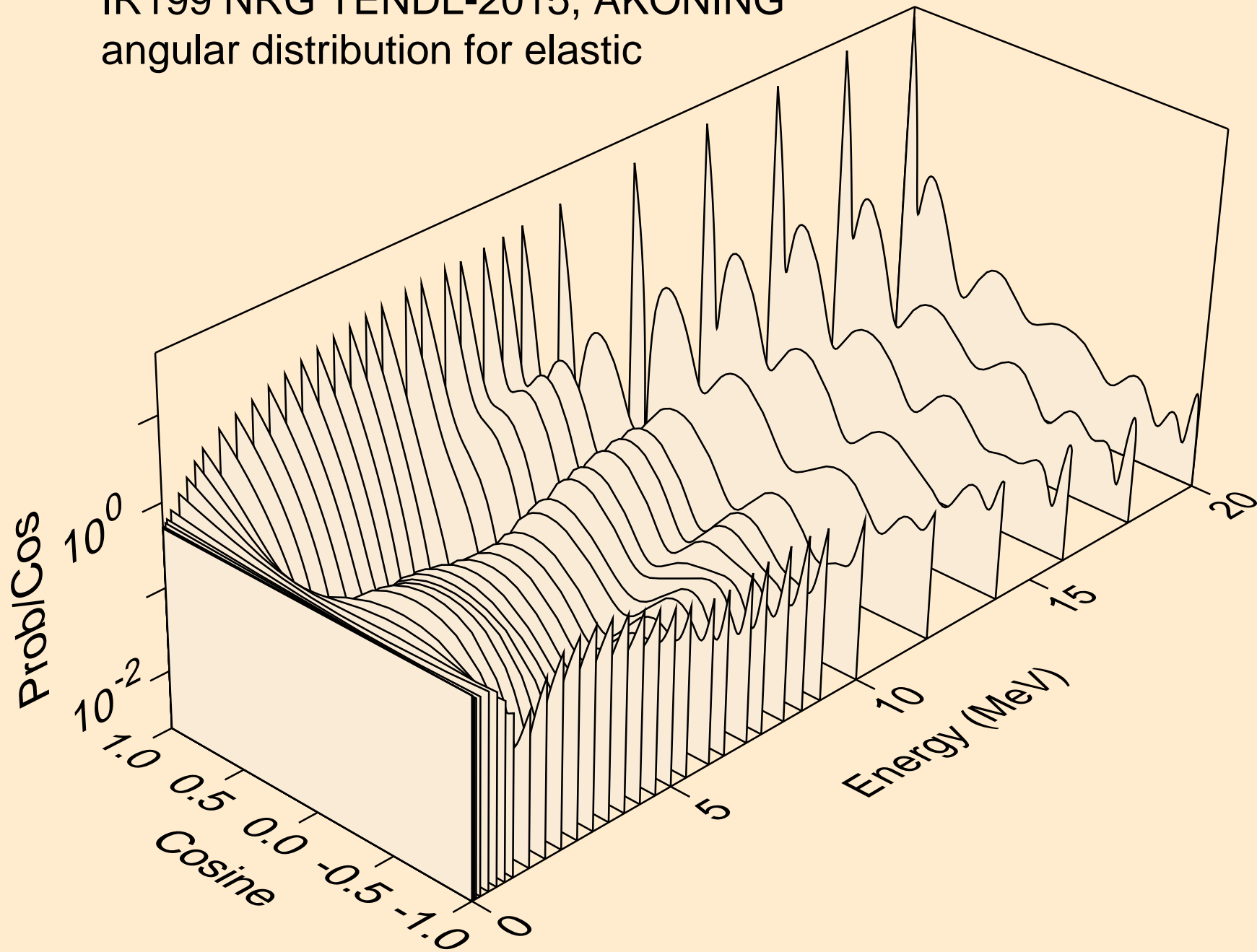


# IR199 NRG TENDL-2015, AKONING

## Threshold reactions

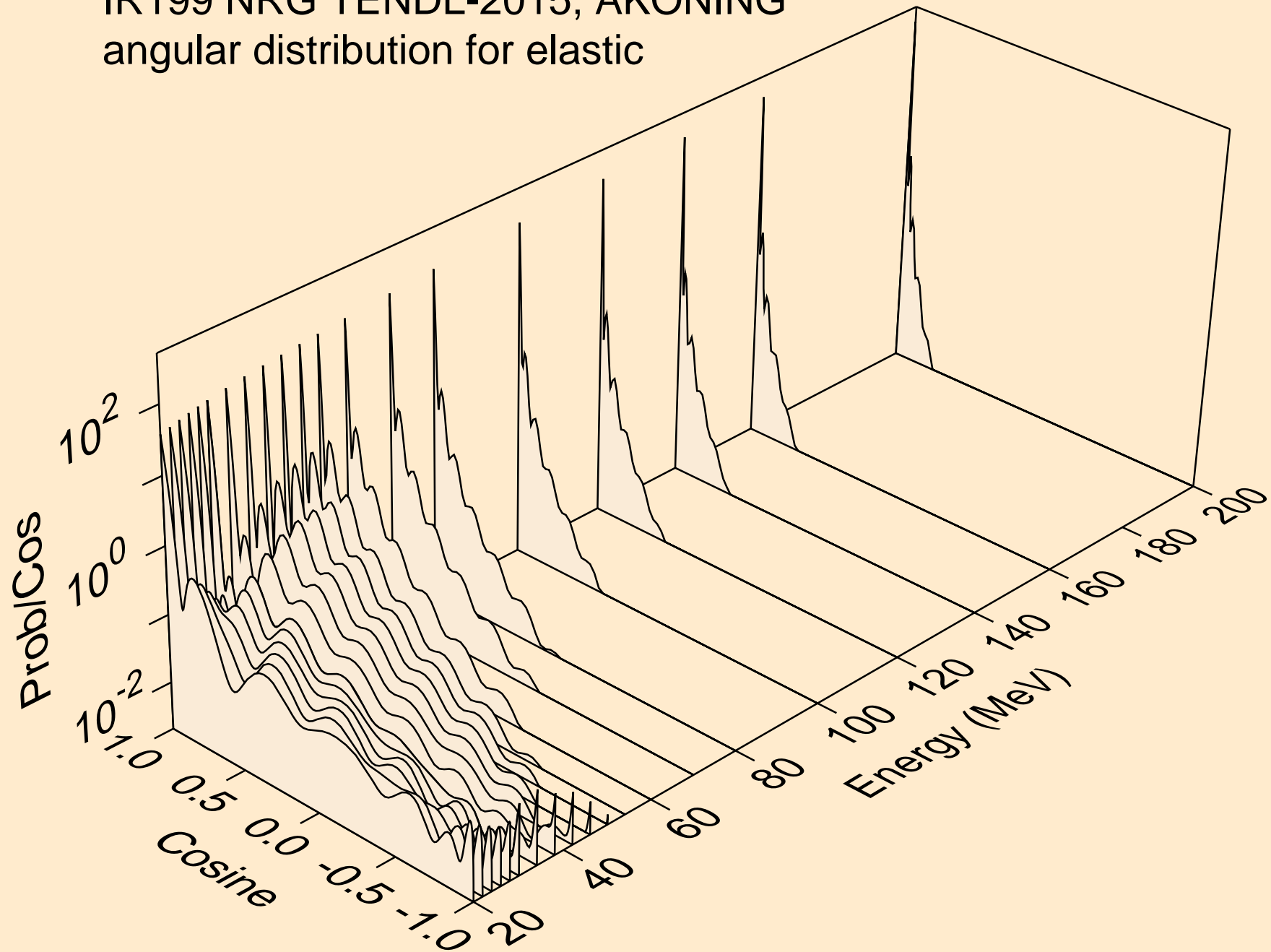


IR199 NRG TENDL-2015, AKONING  
angular distribution for elastic

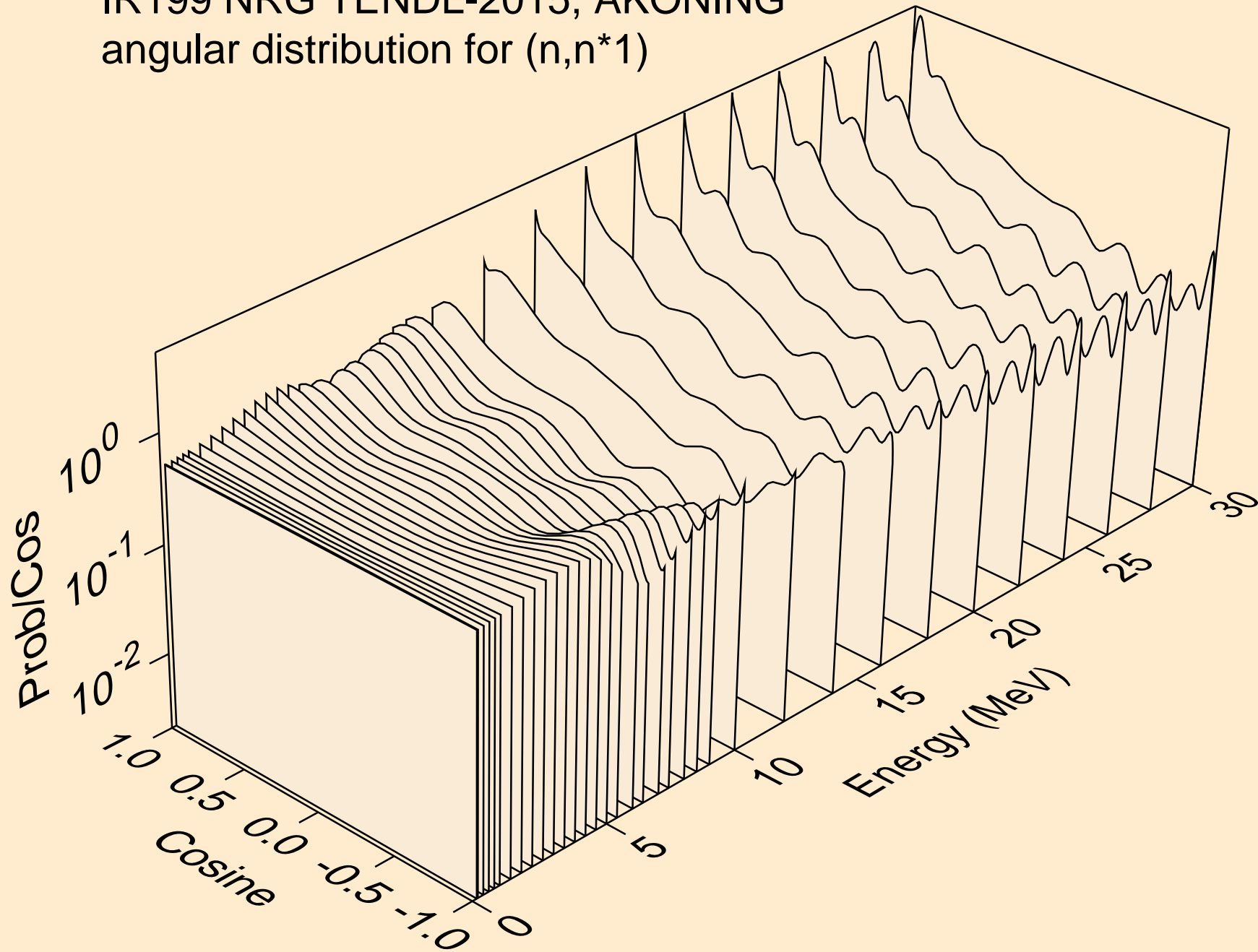




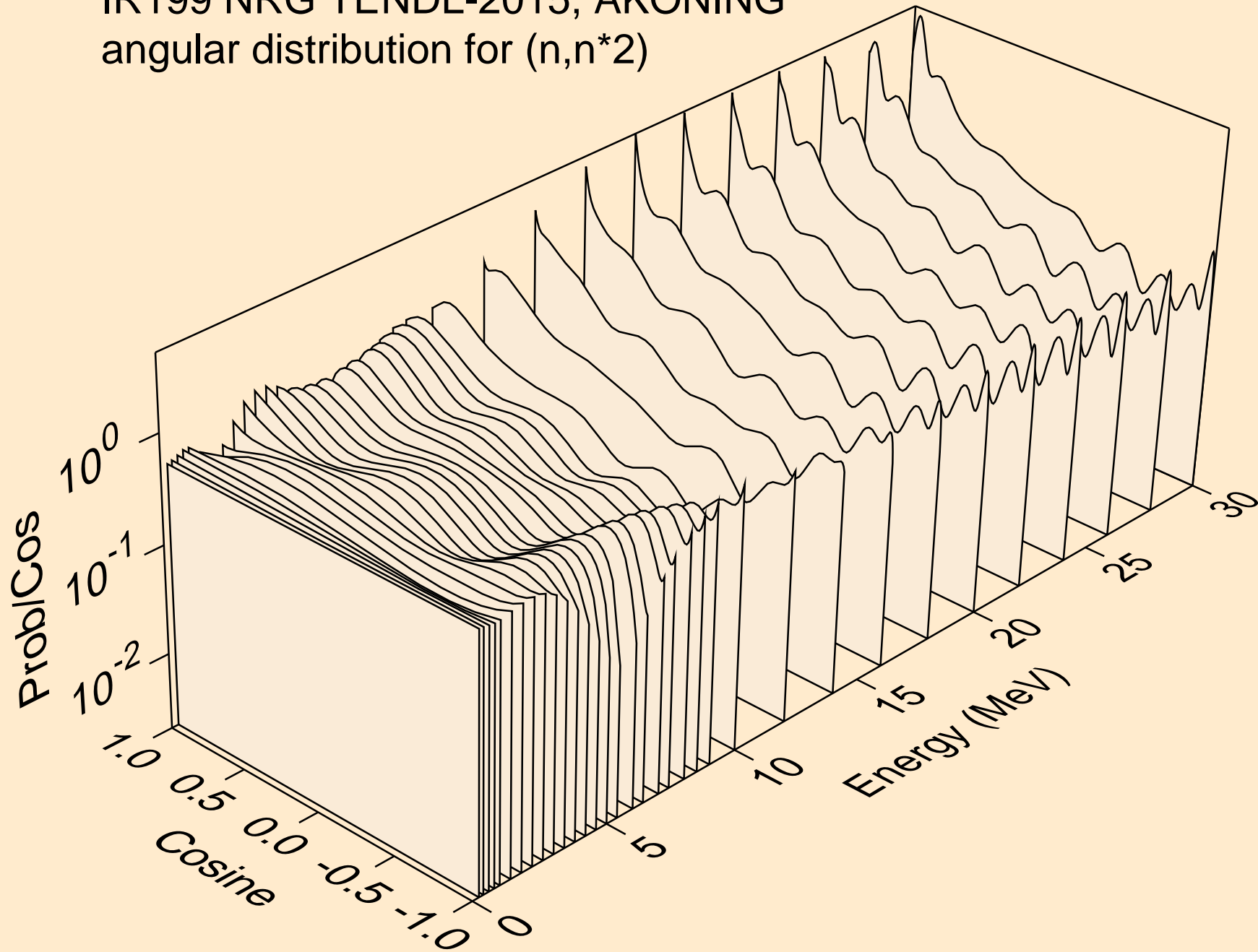
IR199 NRG TENDL-2015, AKONING  
angular distribution for elastic



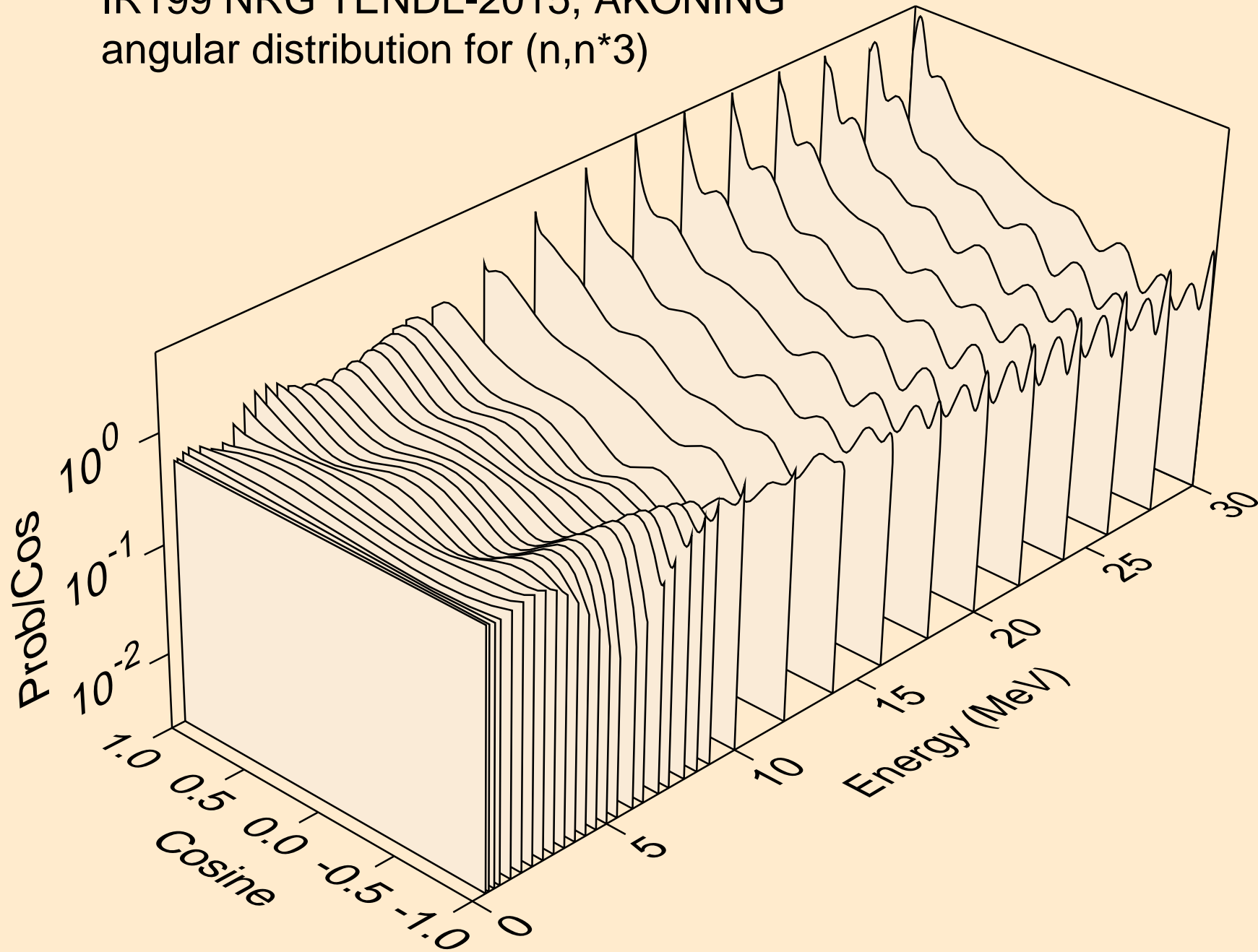
IR199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



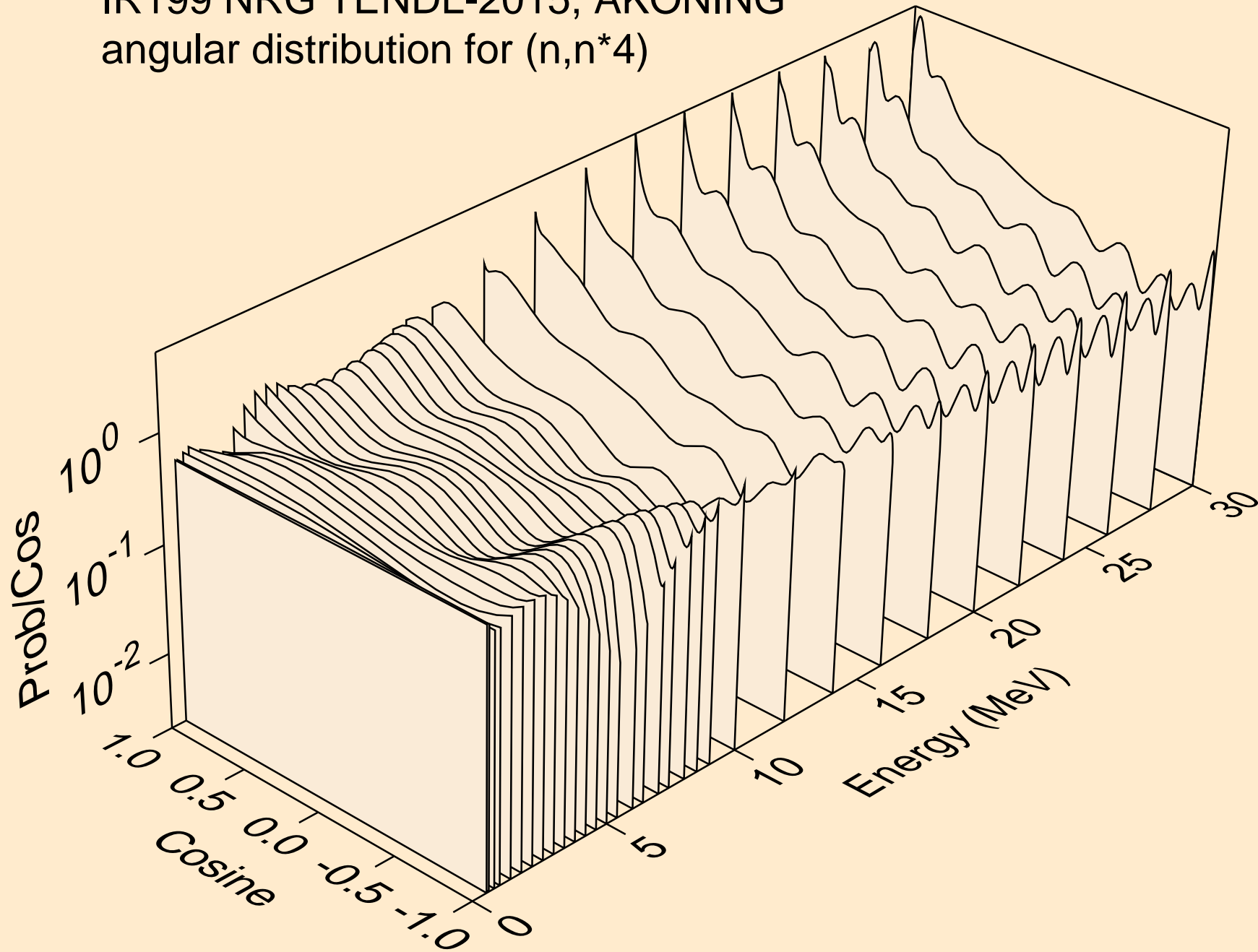
IR199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



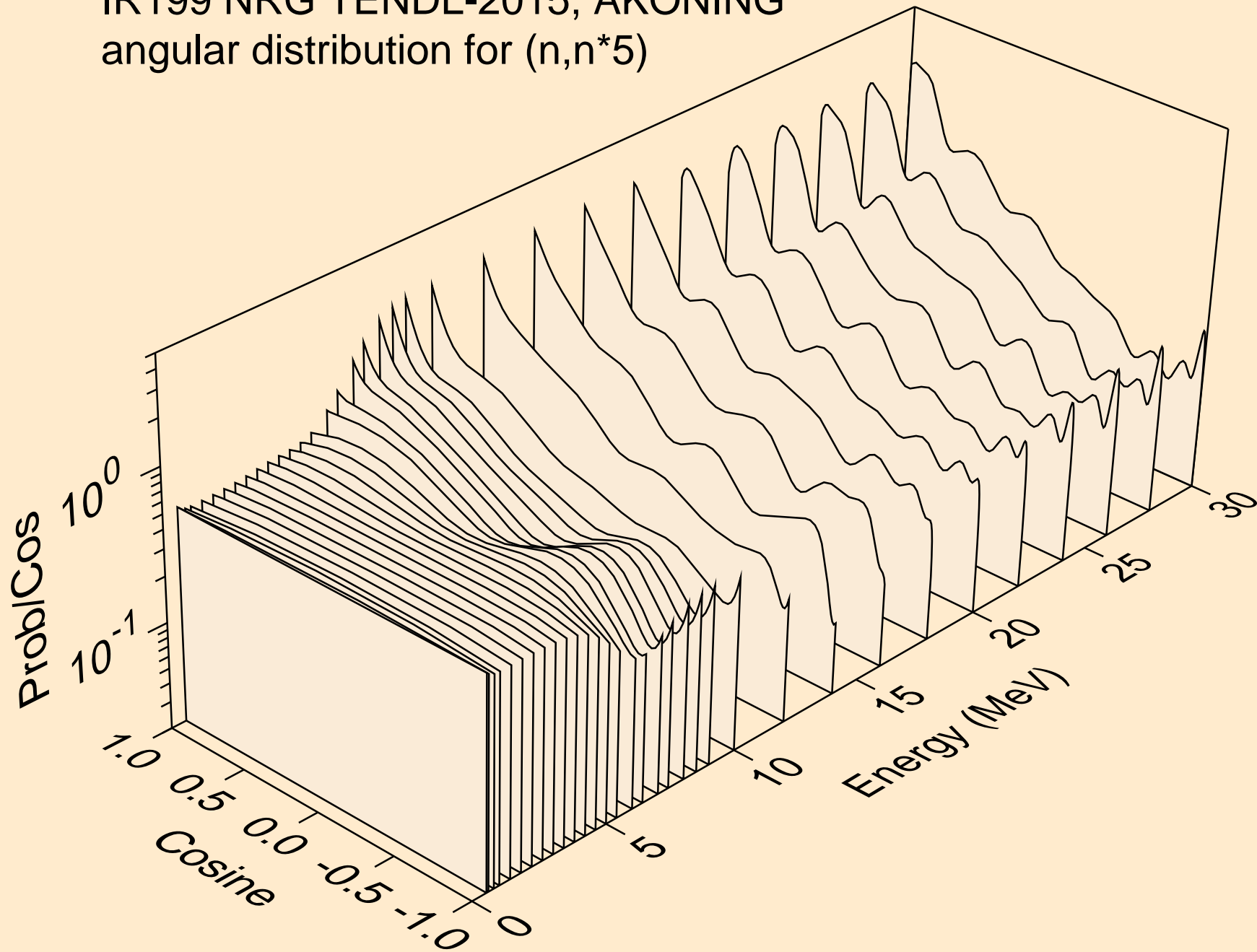
IR199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



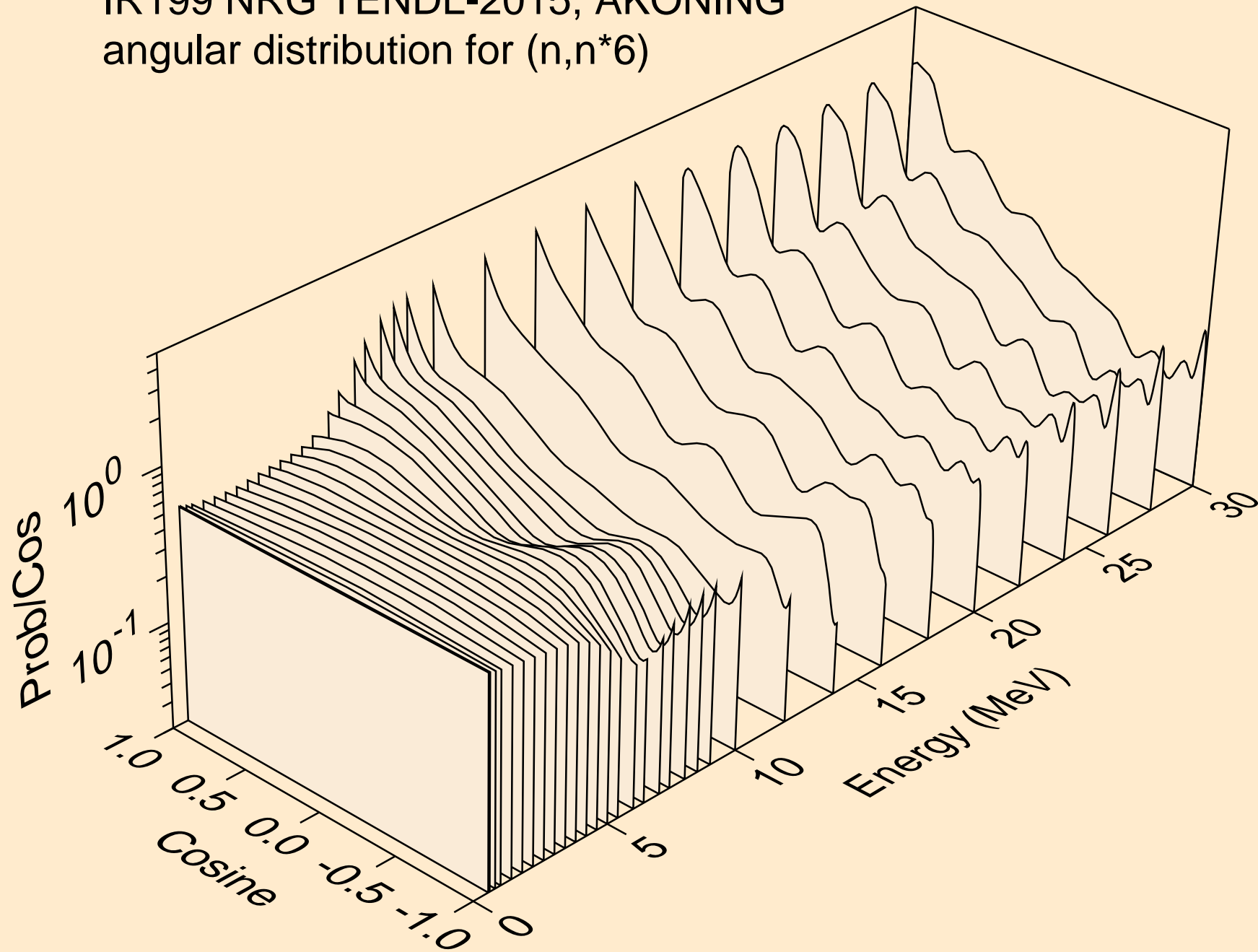
IR199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



IR199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)

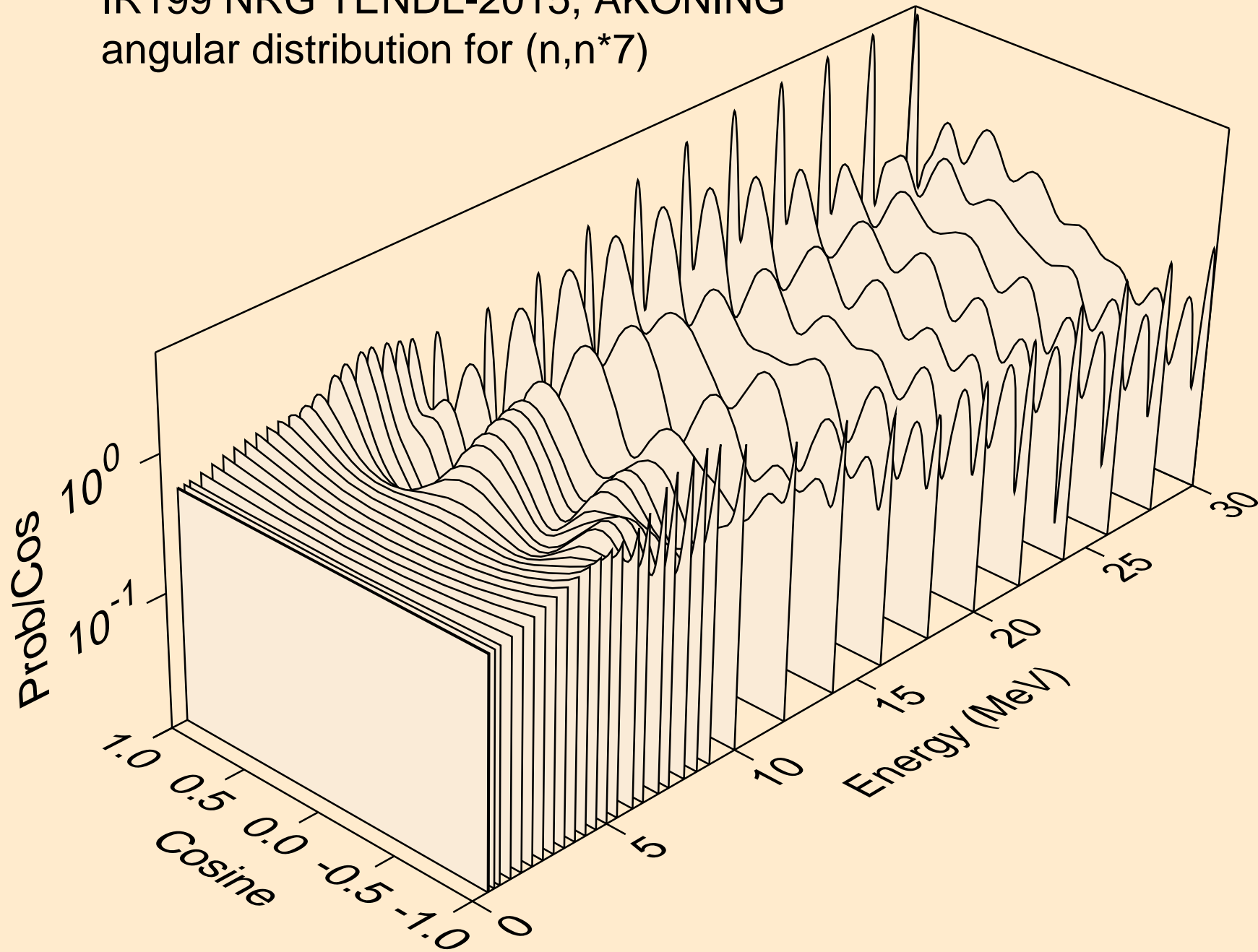


IR199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)



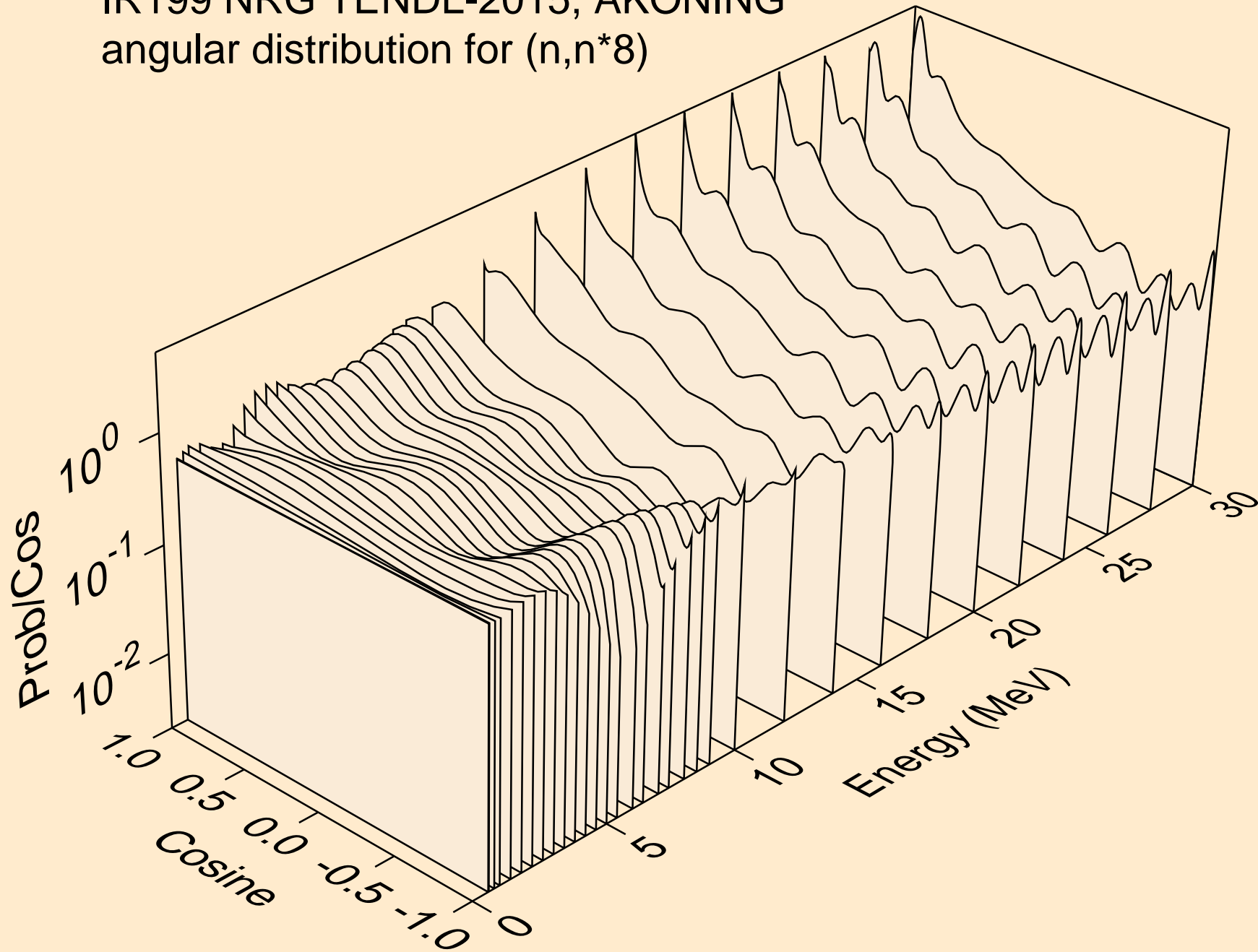


IR199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)

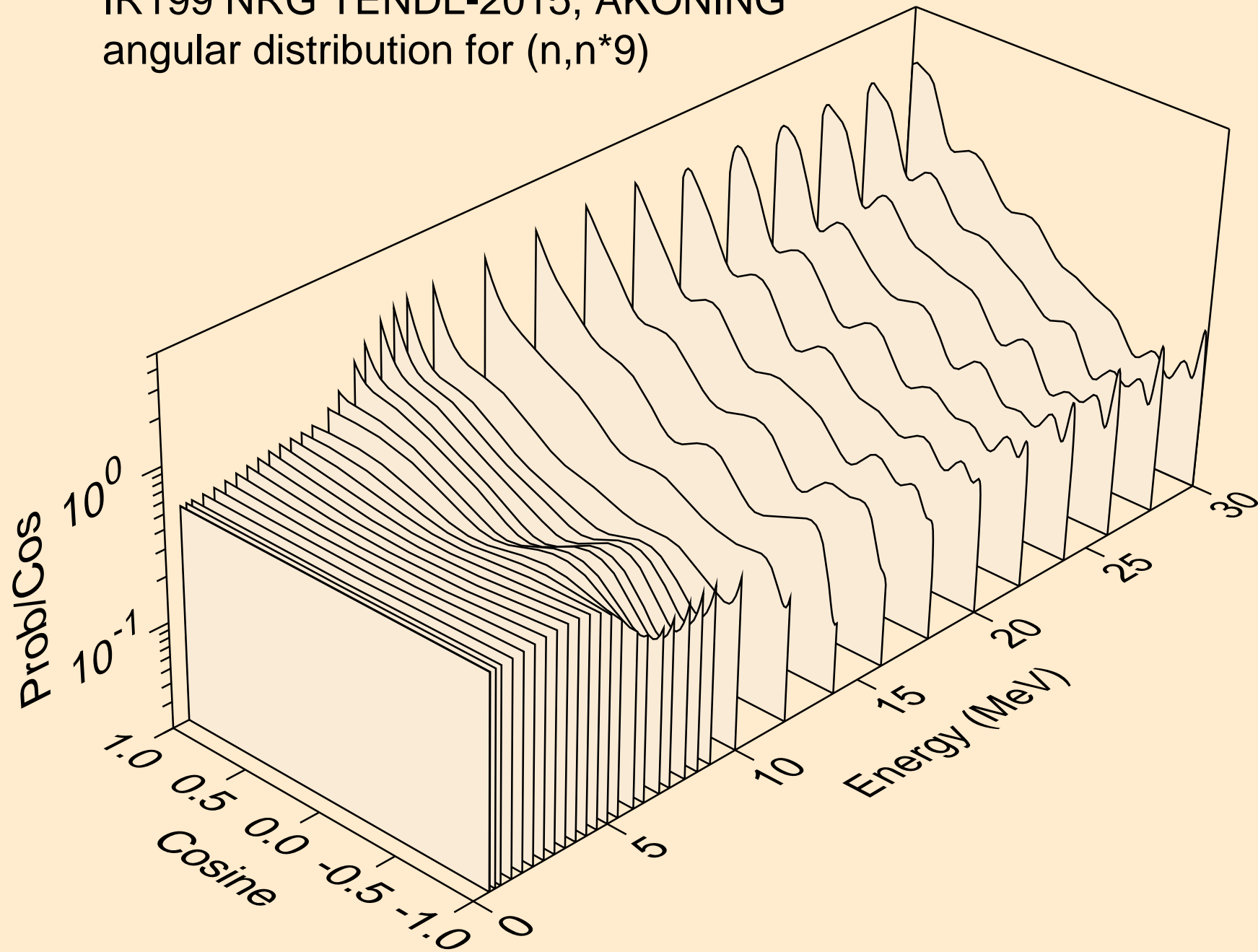




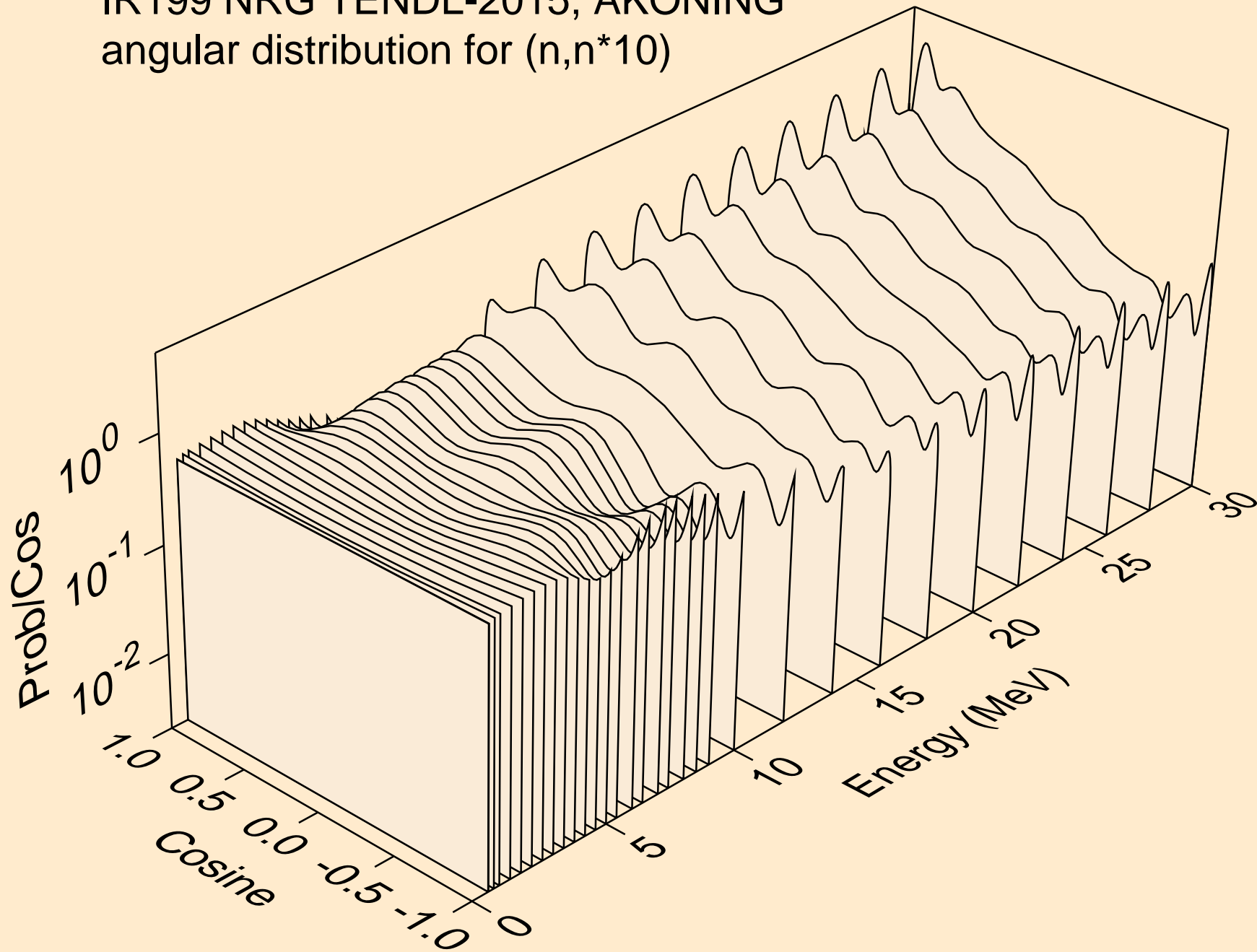
IR199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)



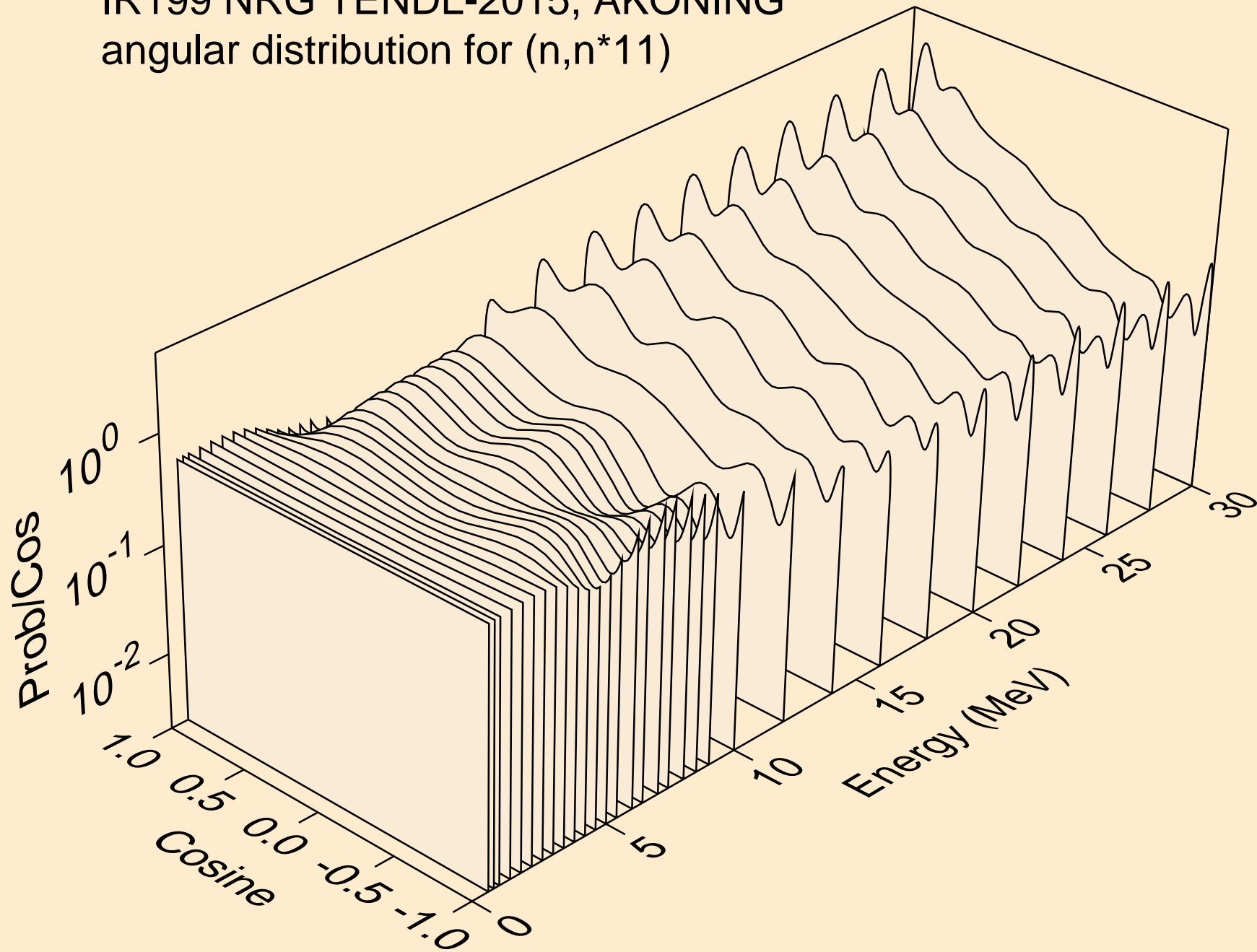
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angular distribution for (n,n\*9)



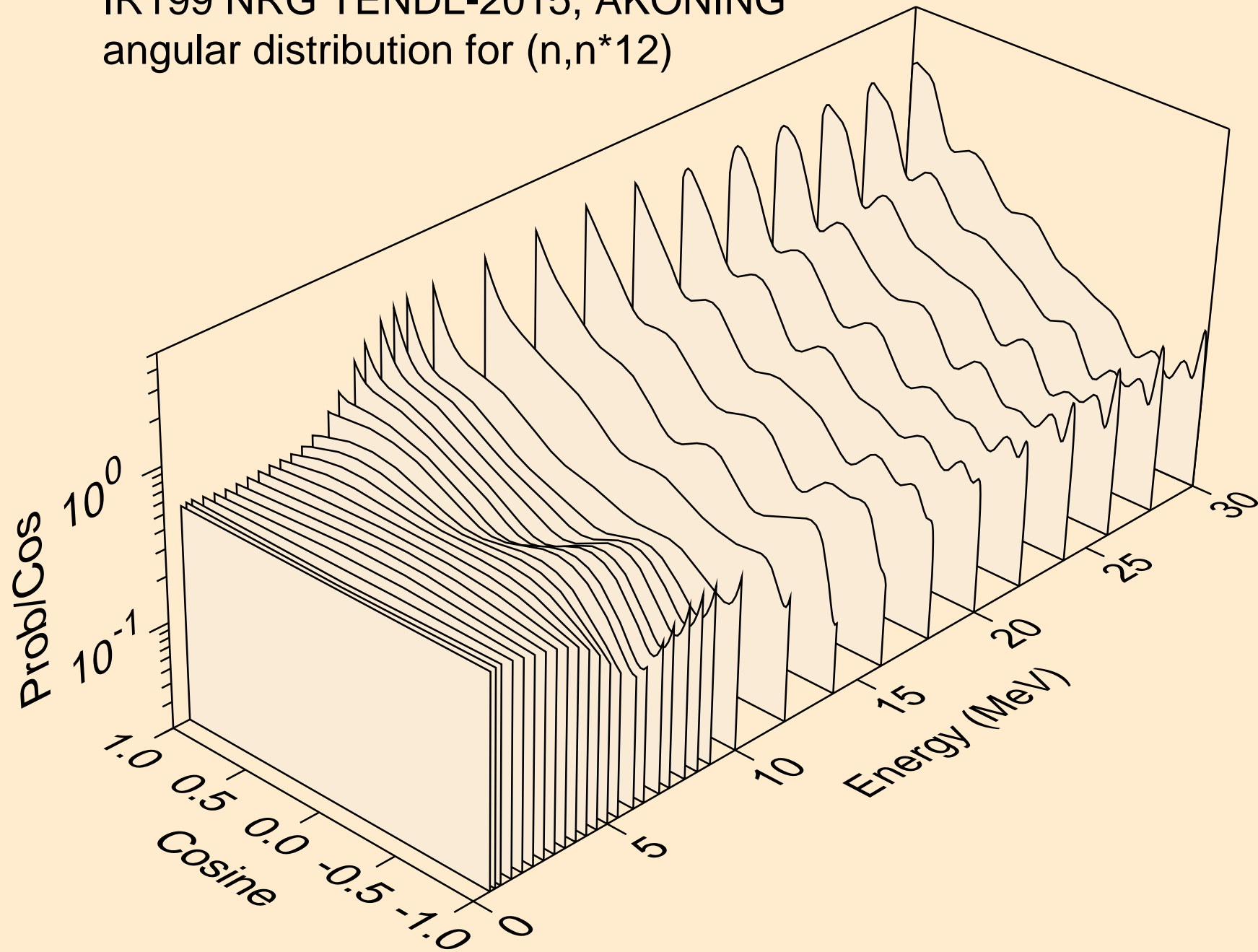
IR199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



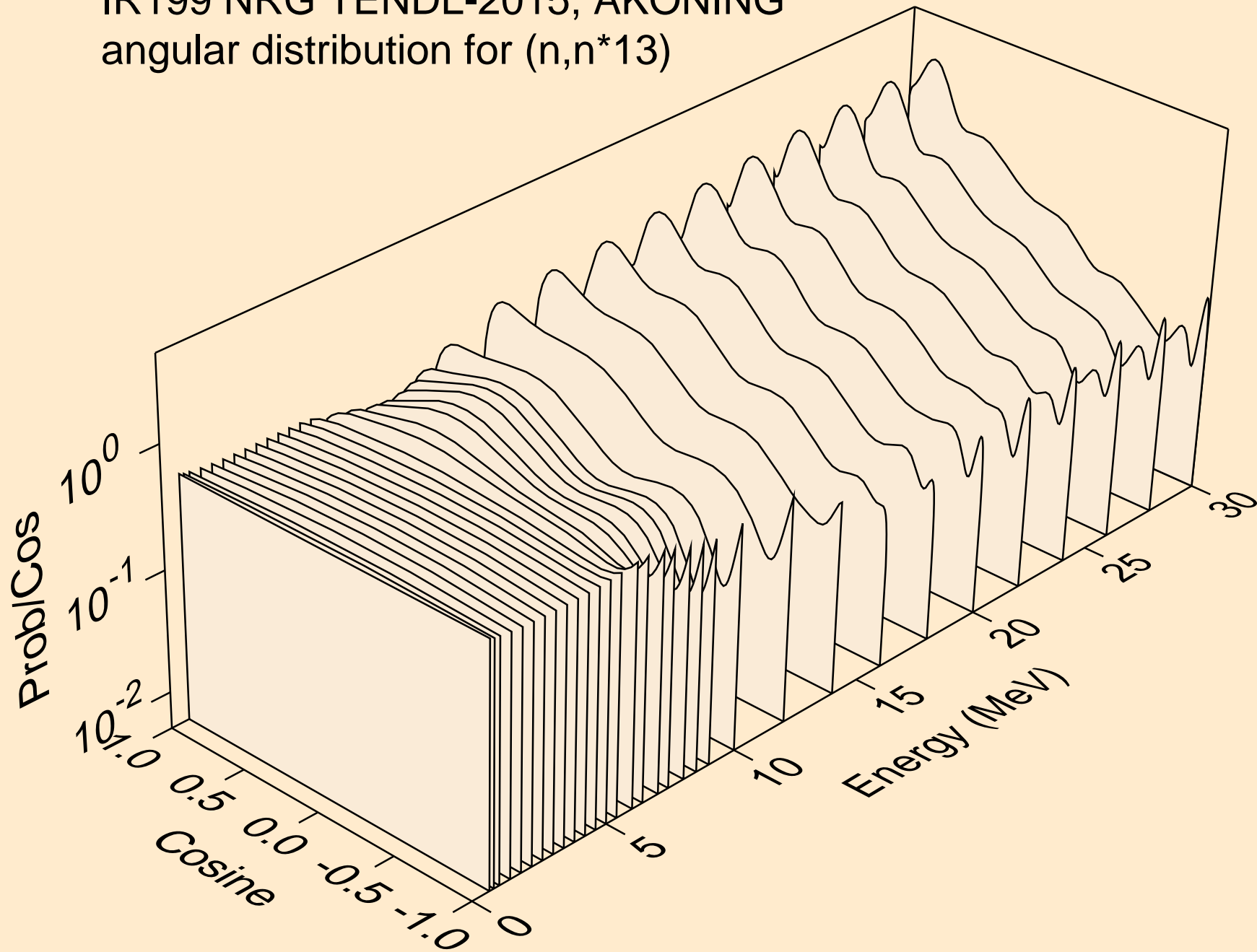
IR199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



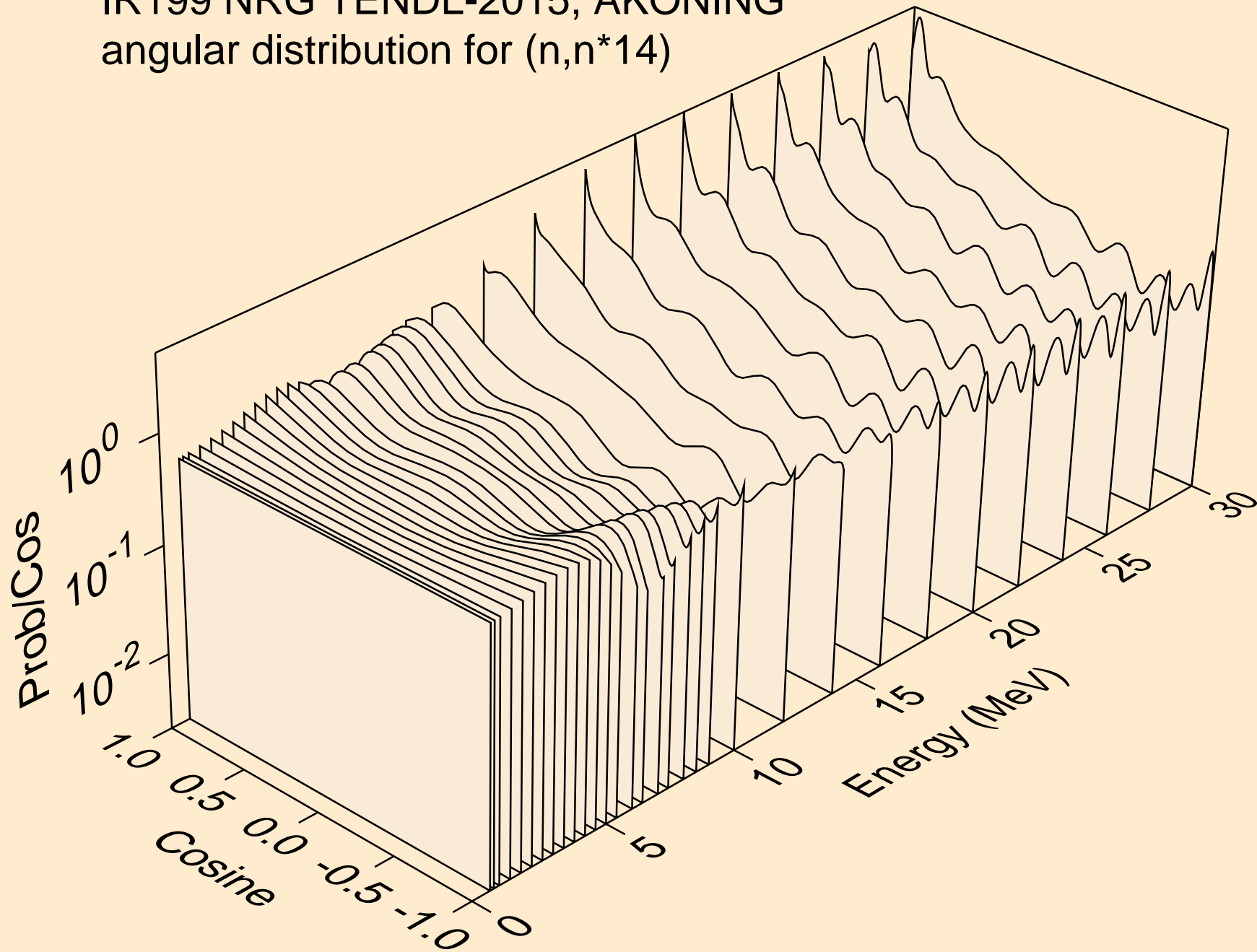
IR199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



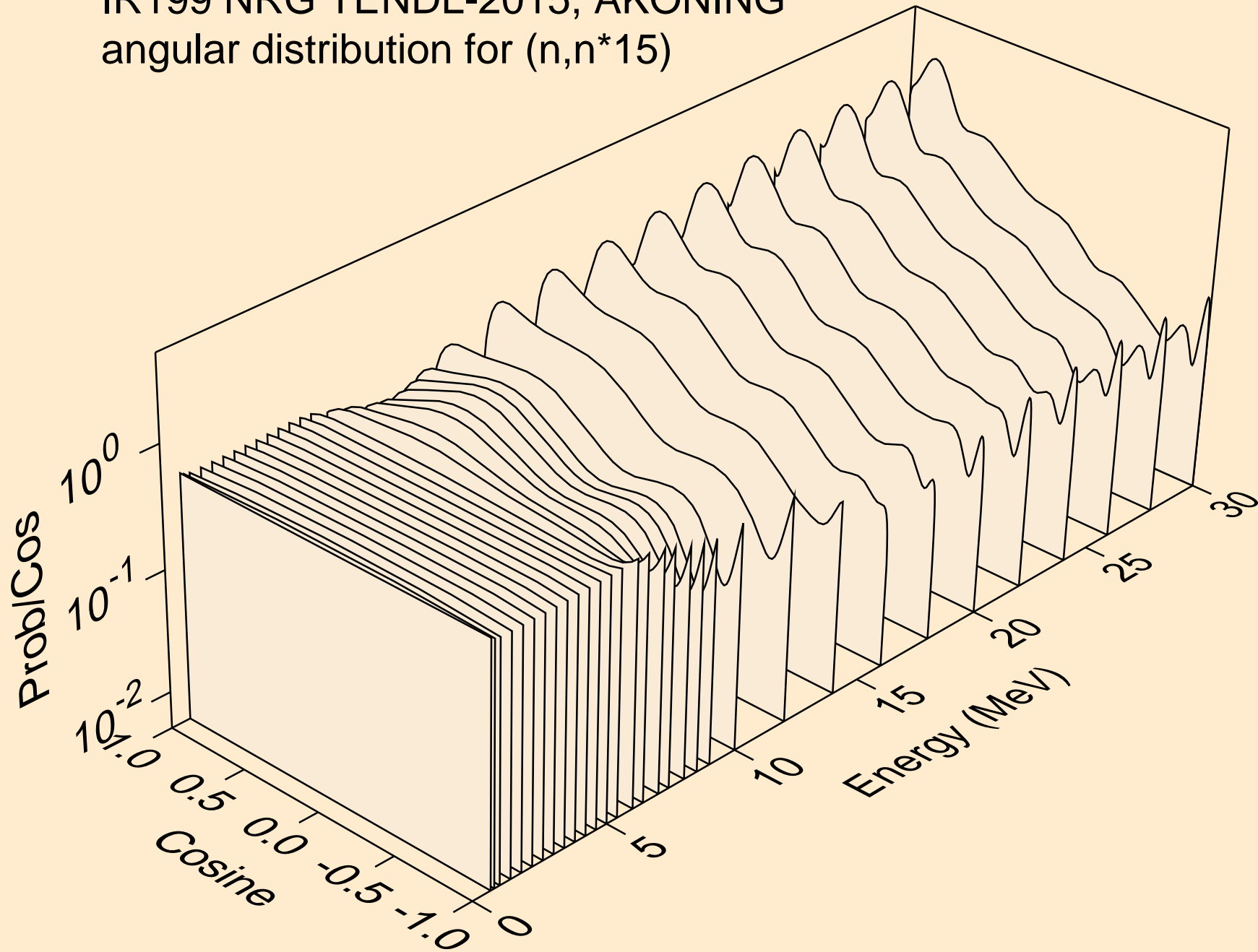
IR199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)



IR199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)

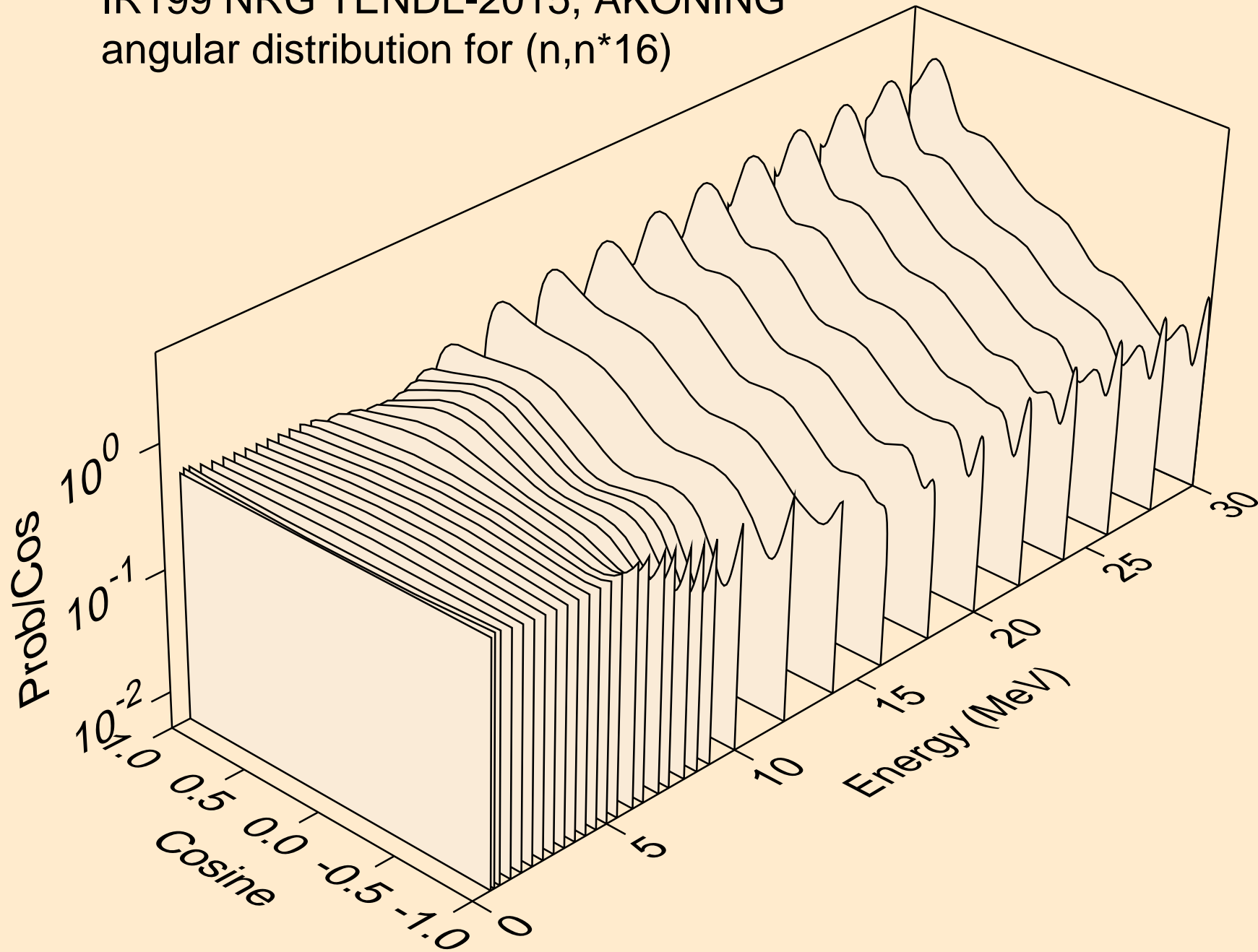


IR199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)

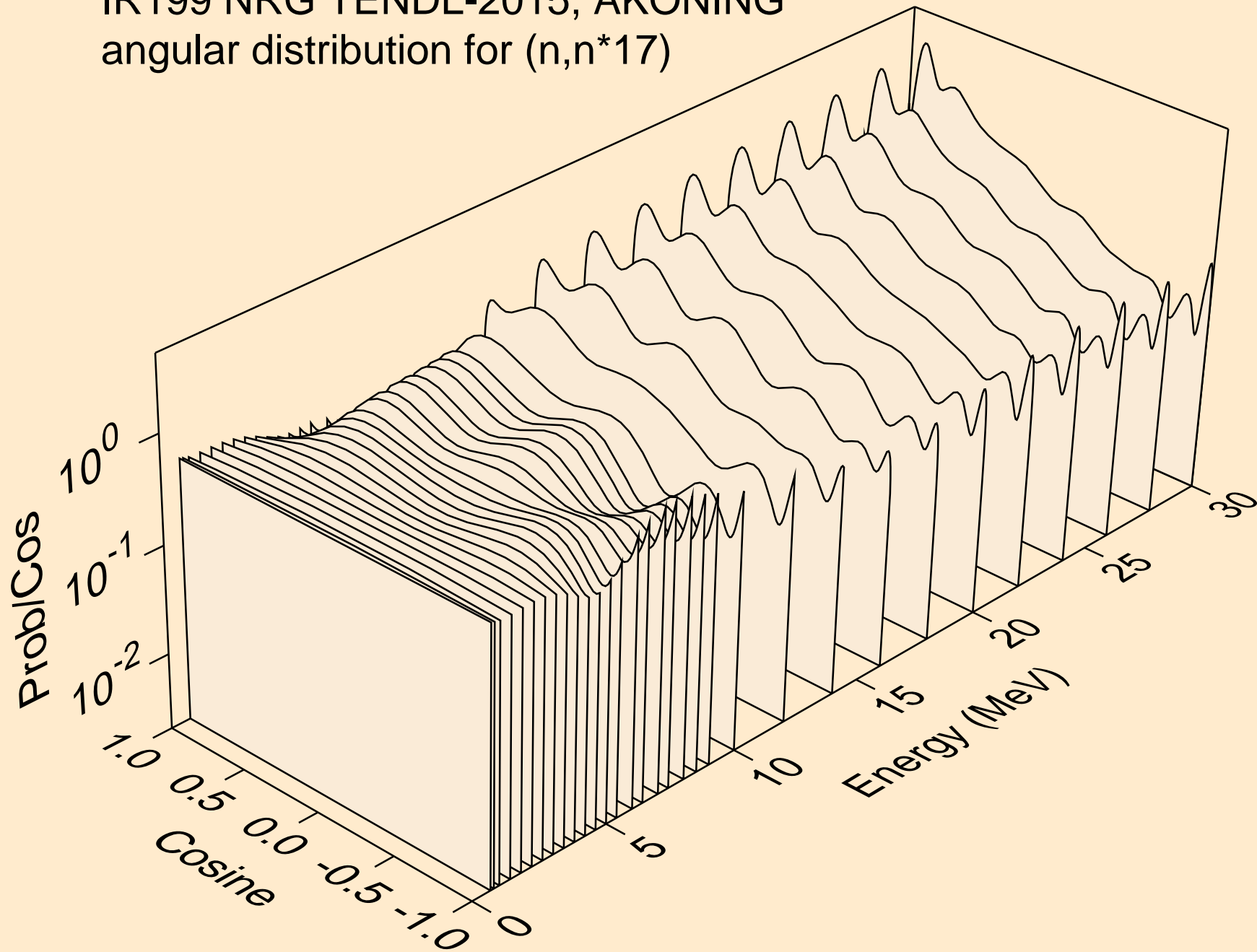




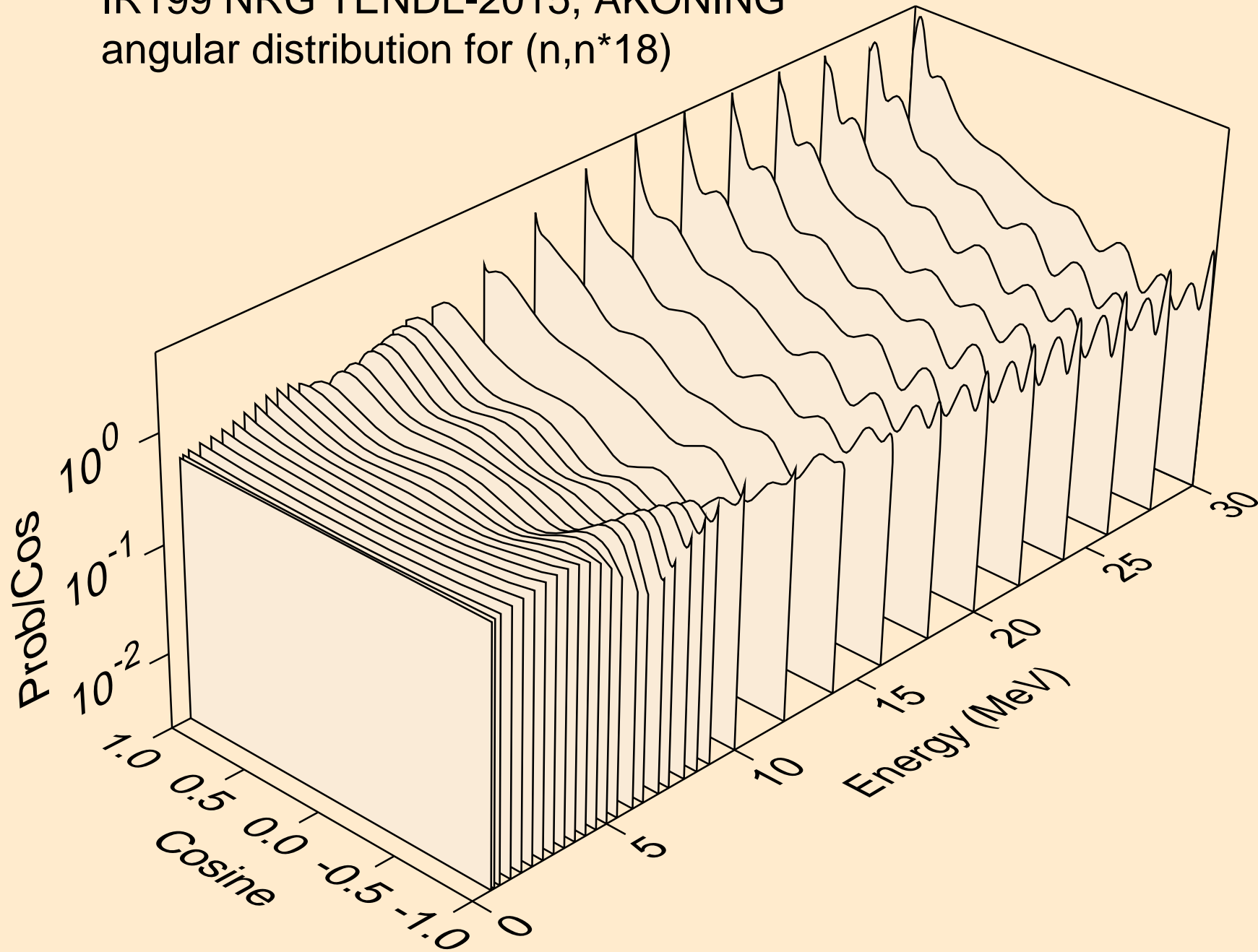
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angular distribution for (n,n\*16)



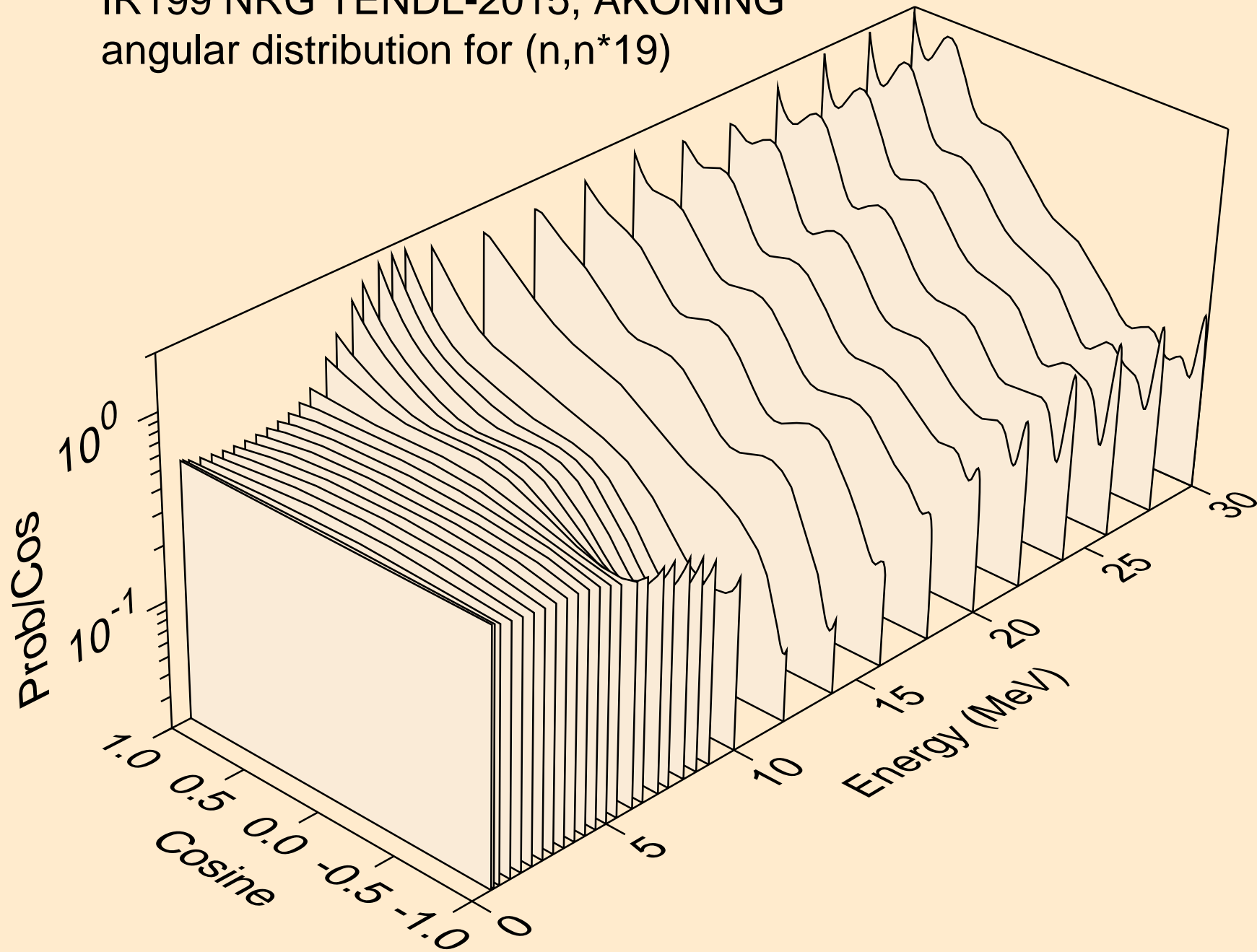
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angular distribution for (n,n\*17)



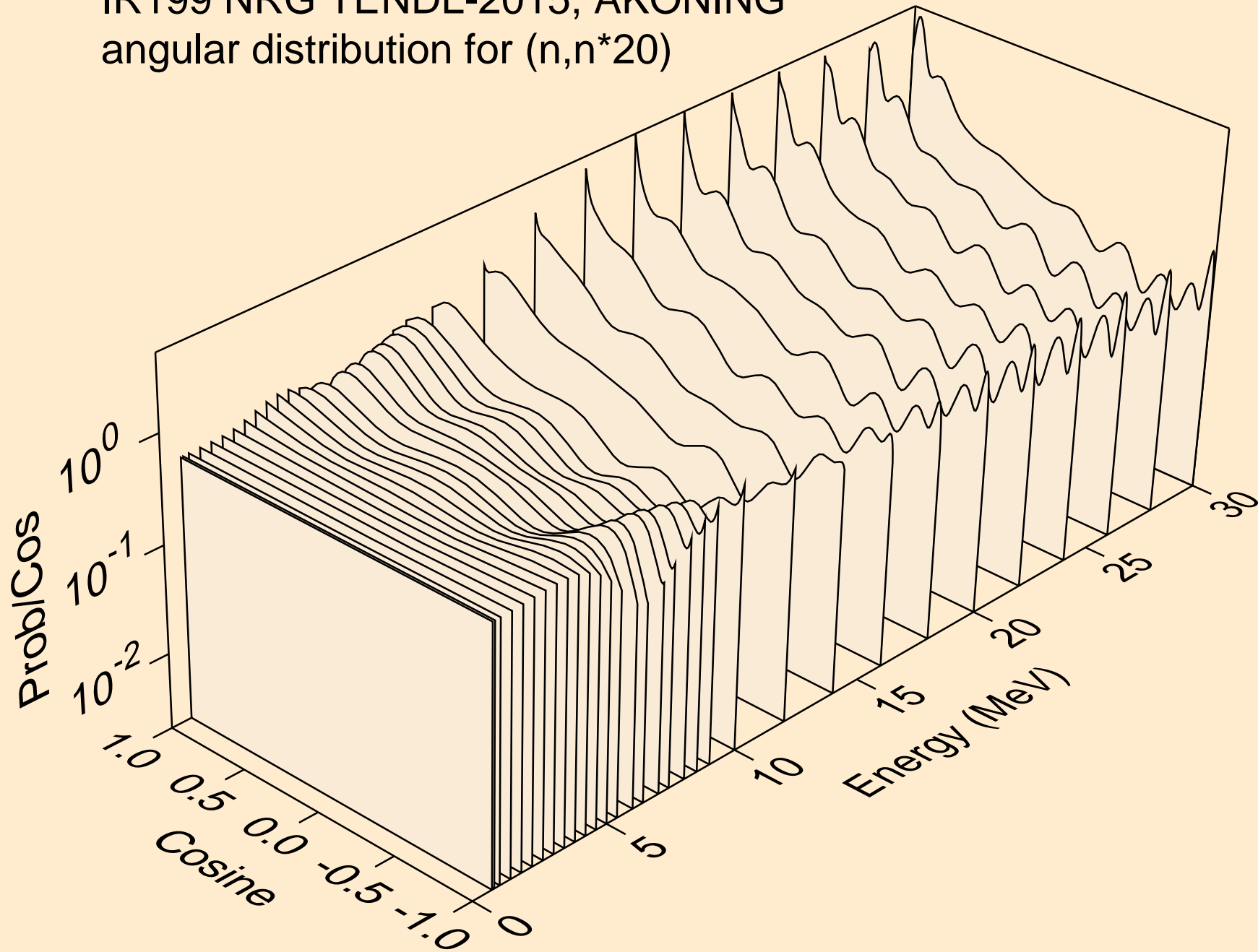
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angular distribution for (n,n\*18)



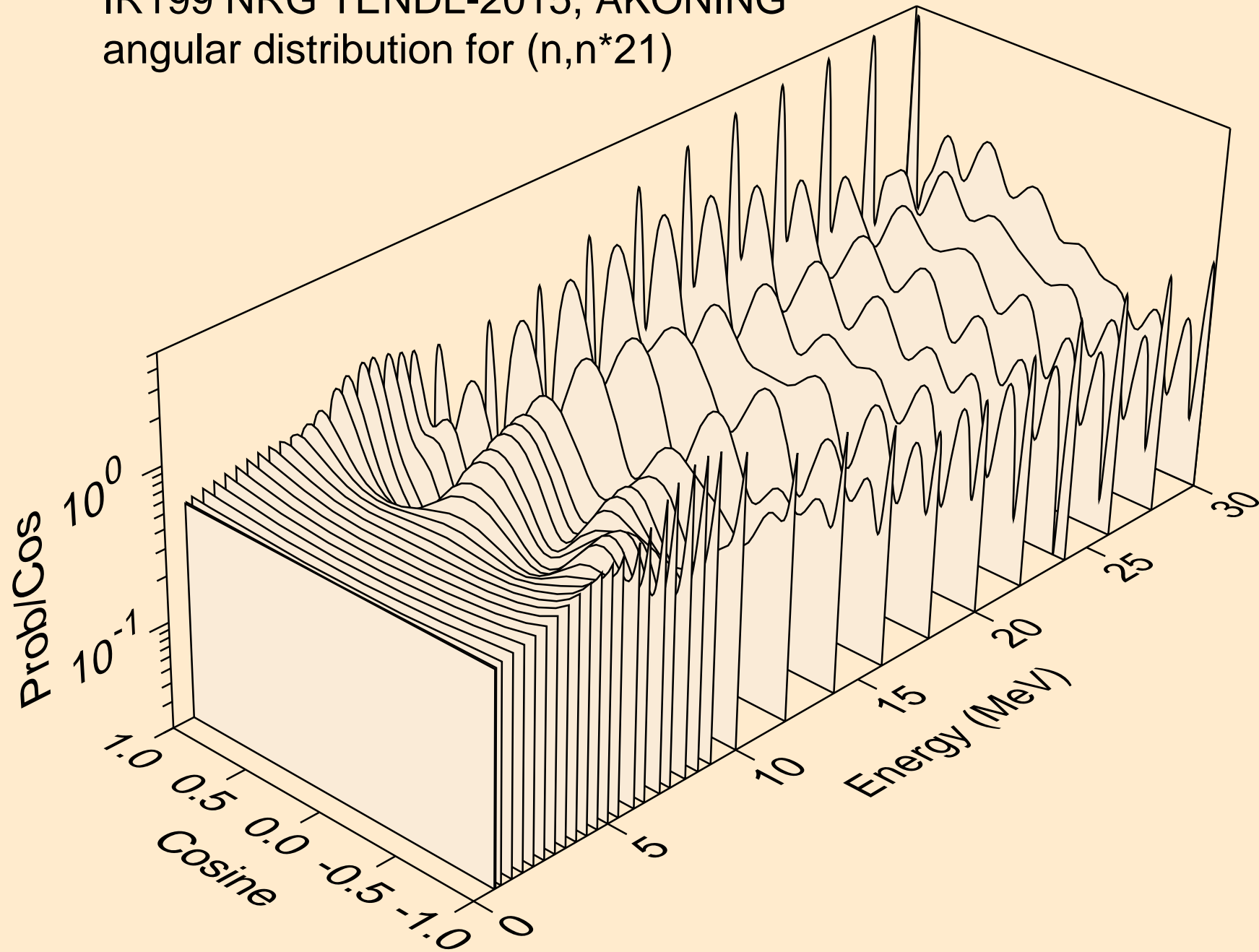
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angular distribution for (n,n\*19)



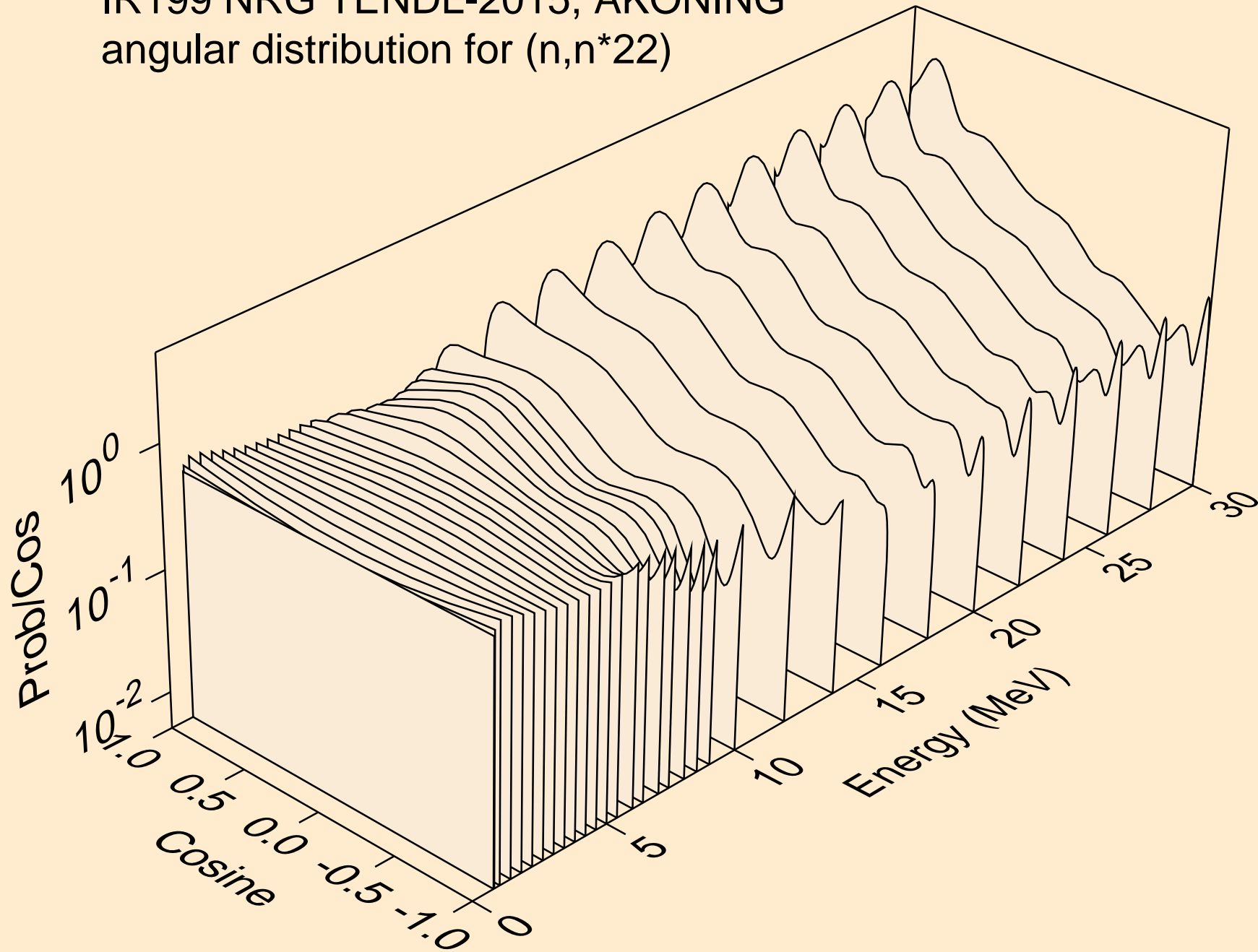
IR199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



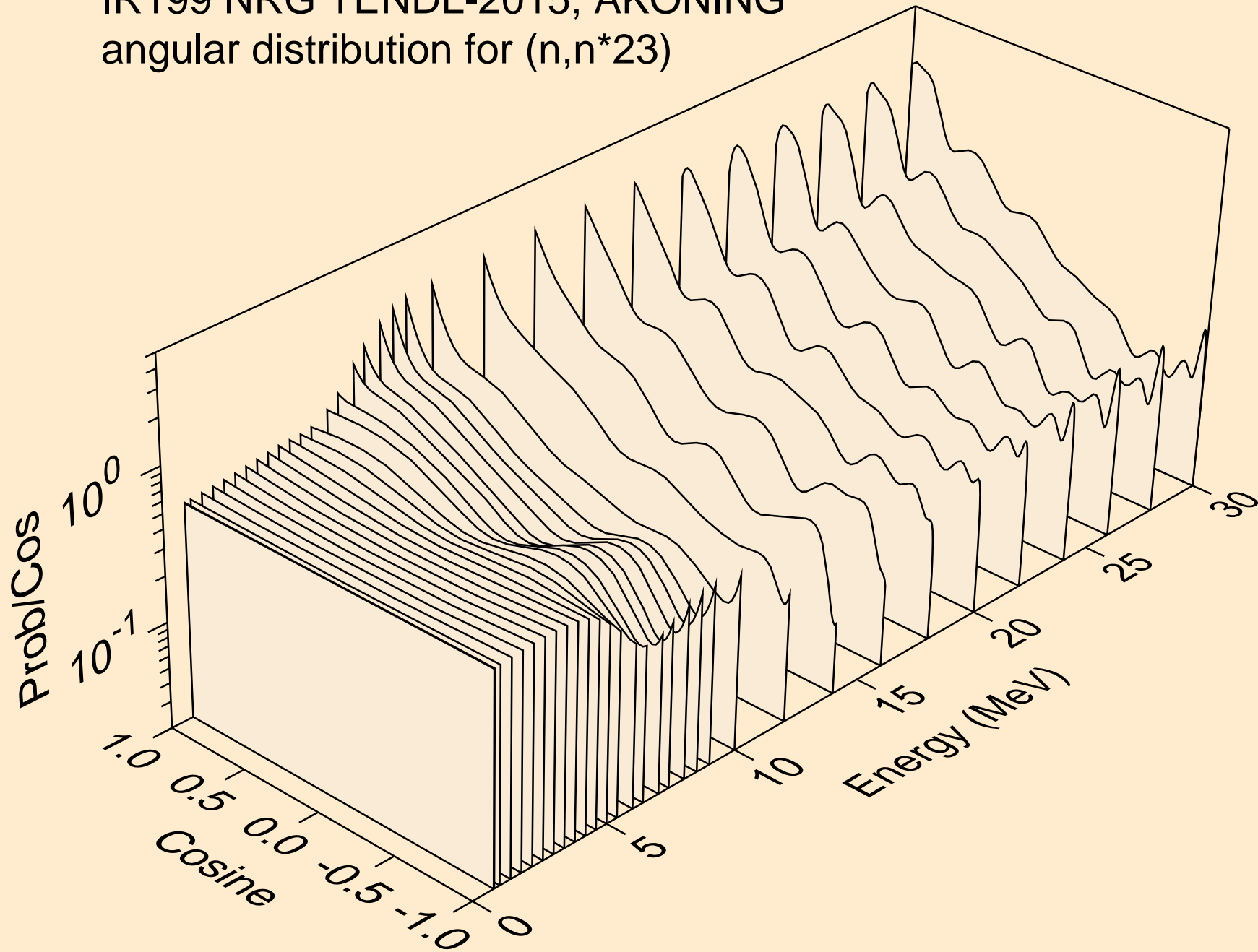
IR199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)



IR199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)

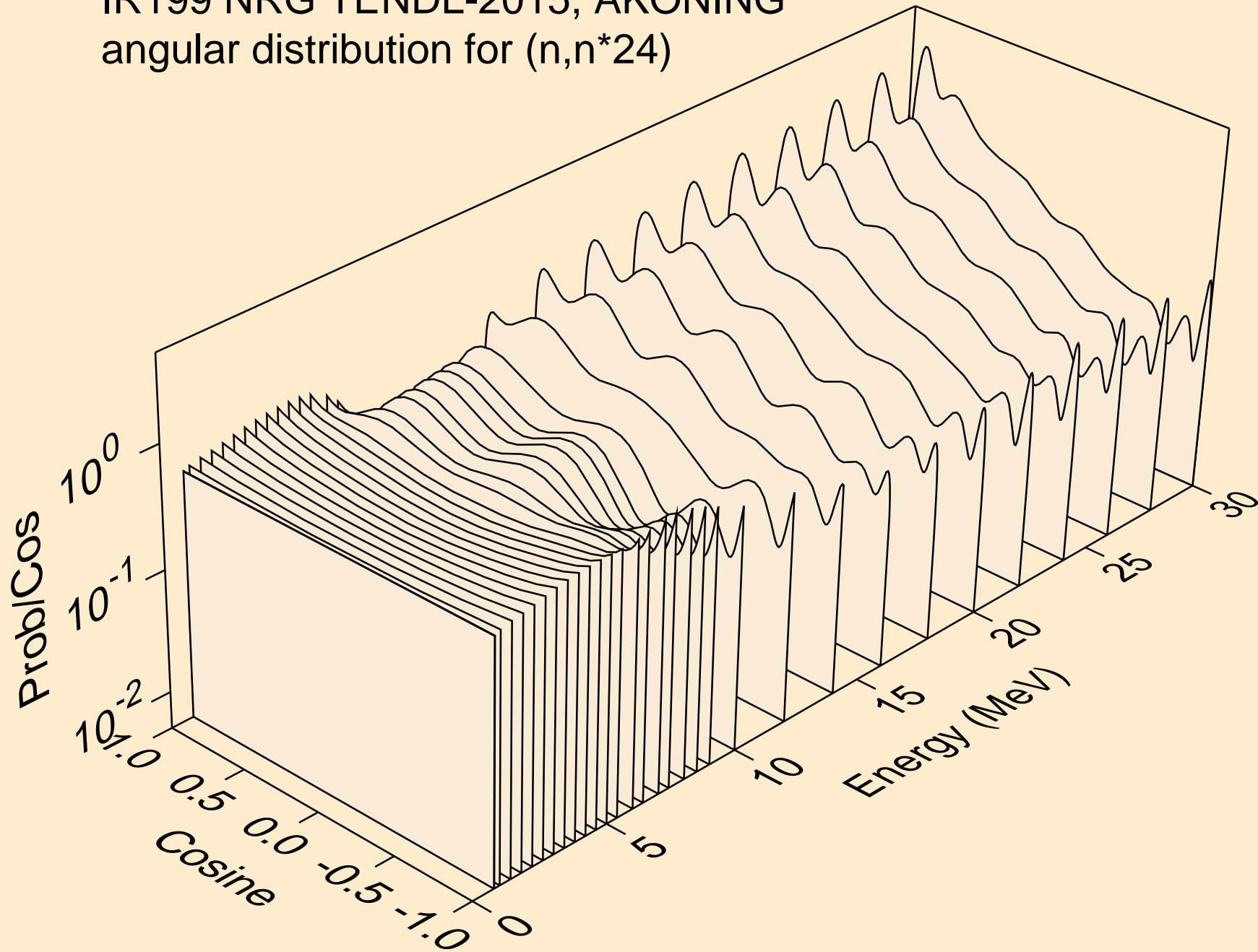


IR199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)

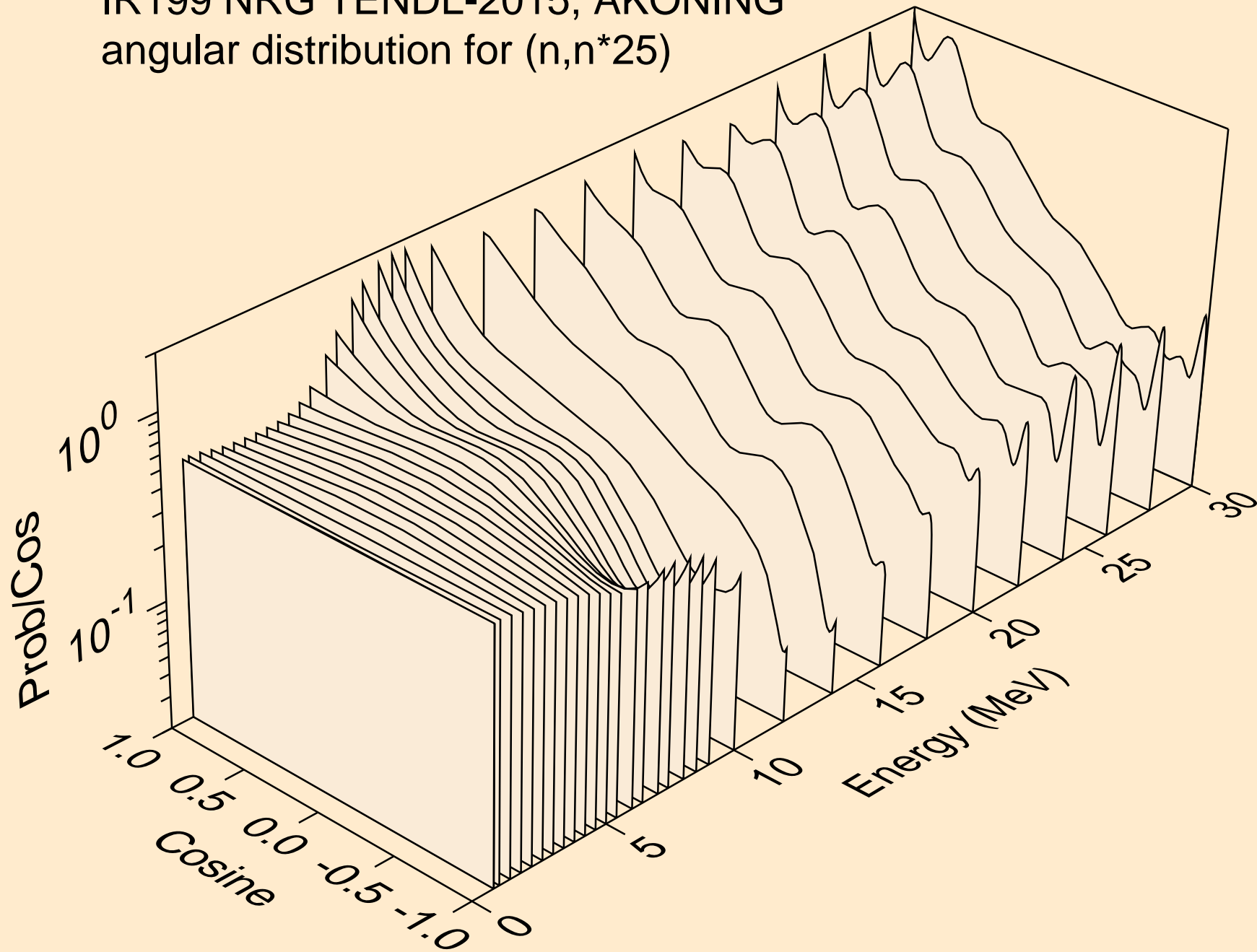




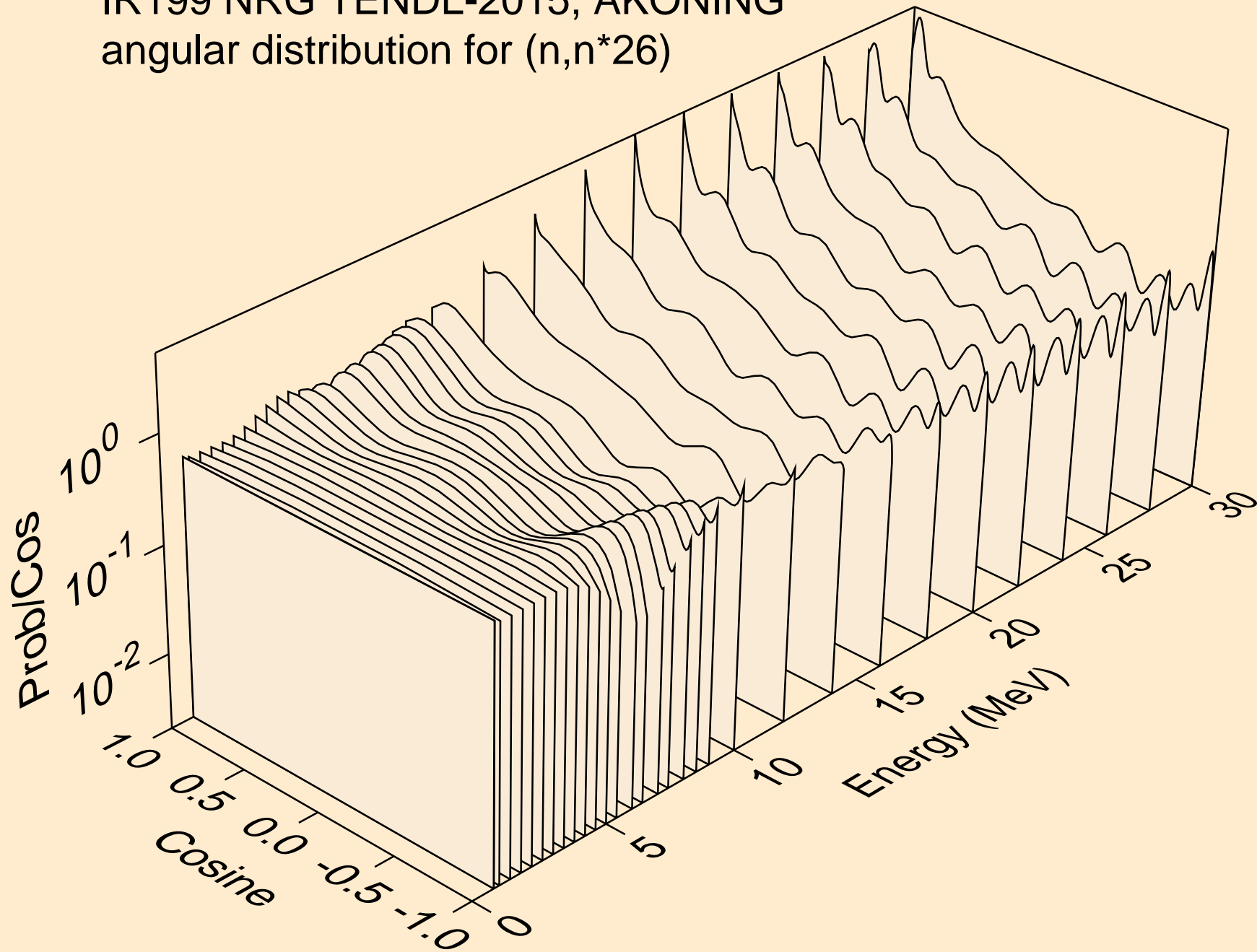
IR199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)



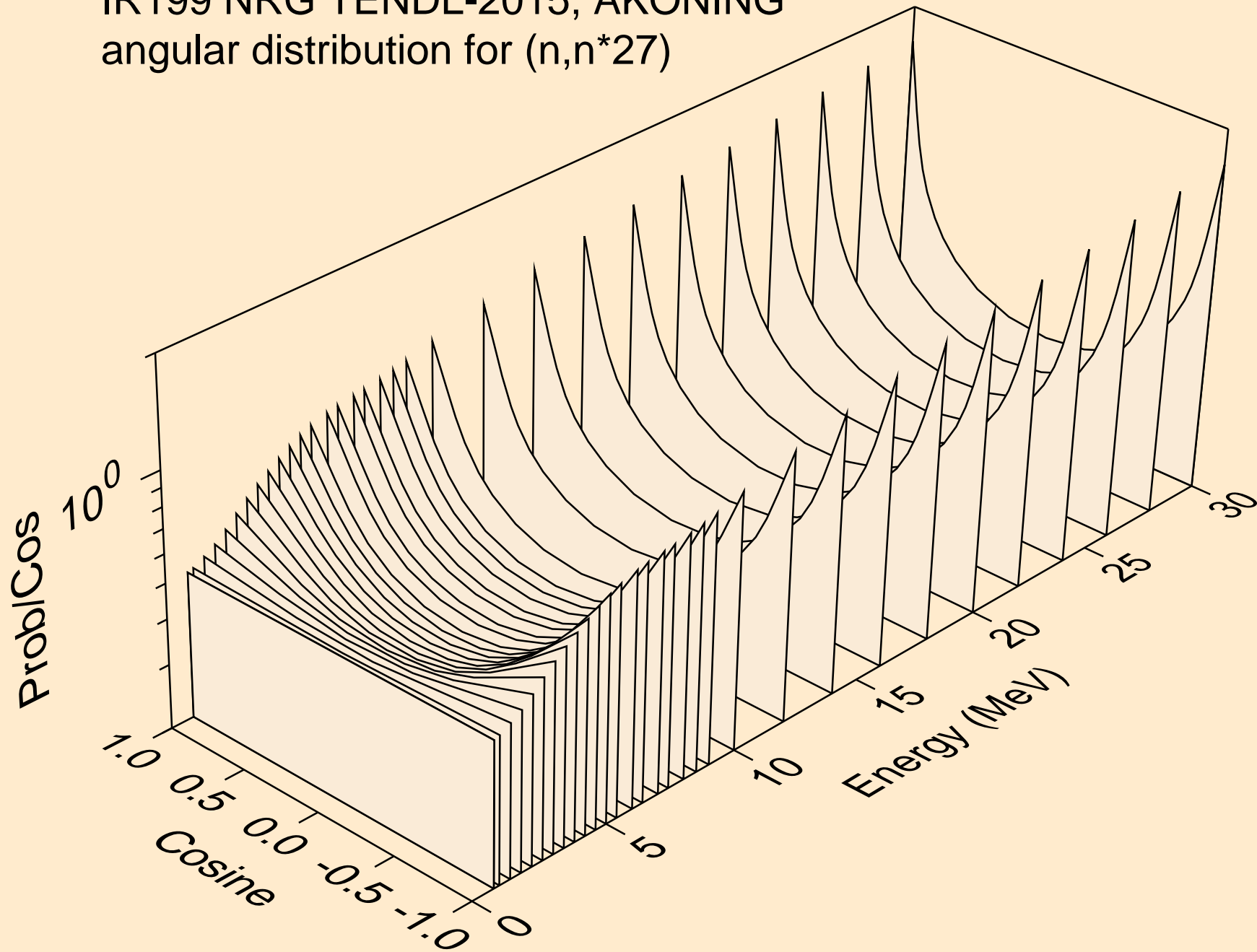
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angular distribution for (n,n\*25)



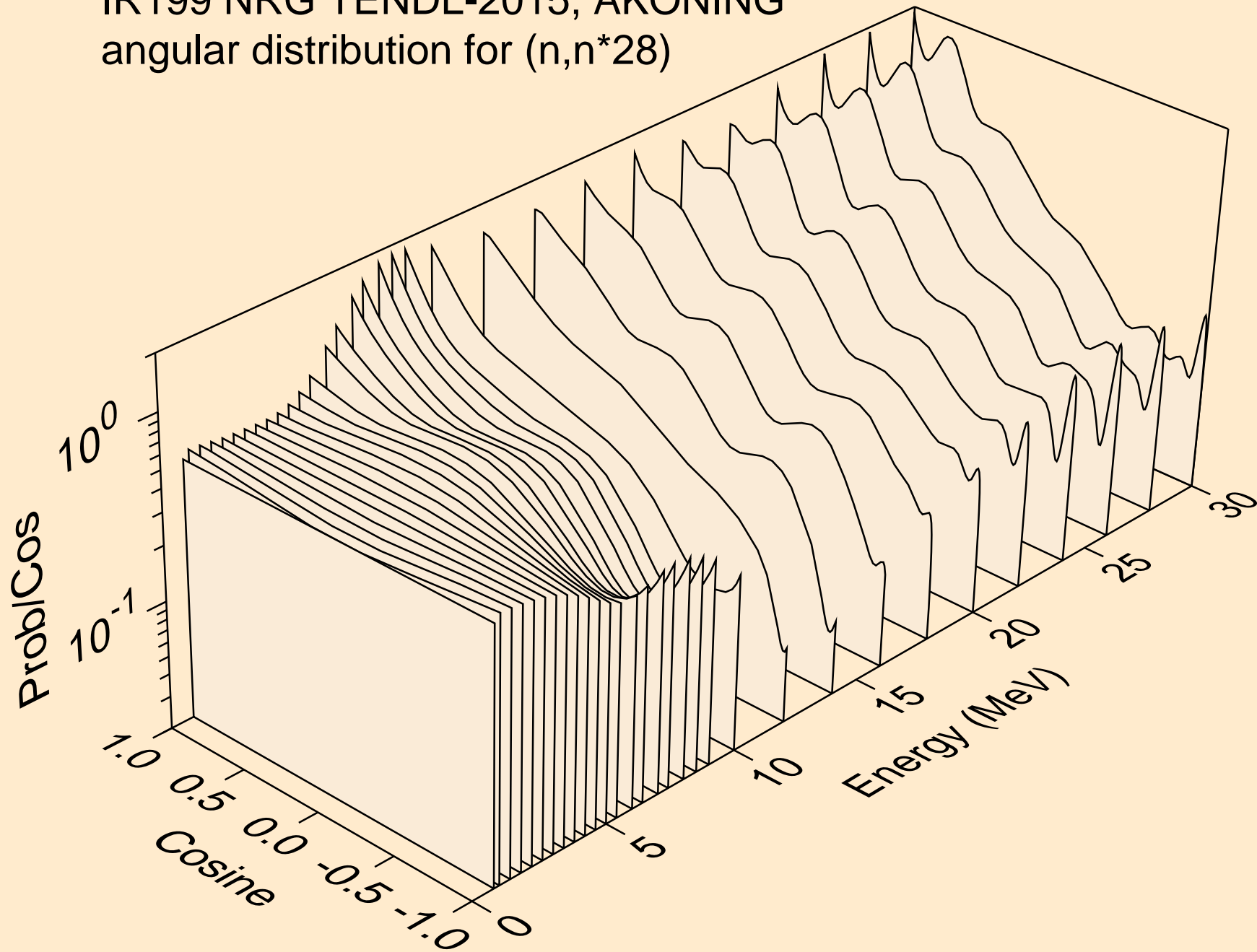
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angular distribution for (n,n\*26)



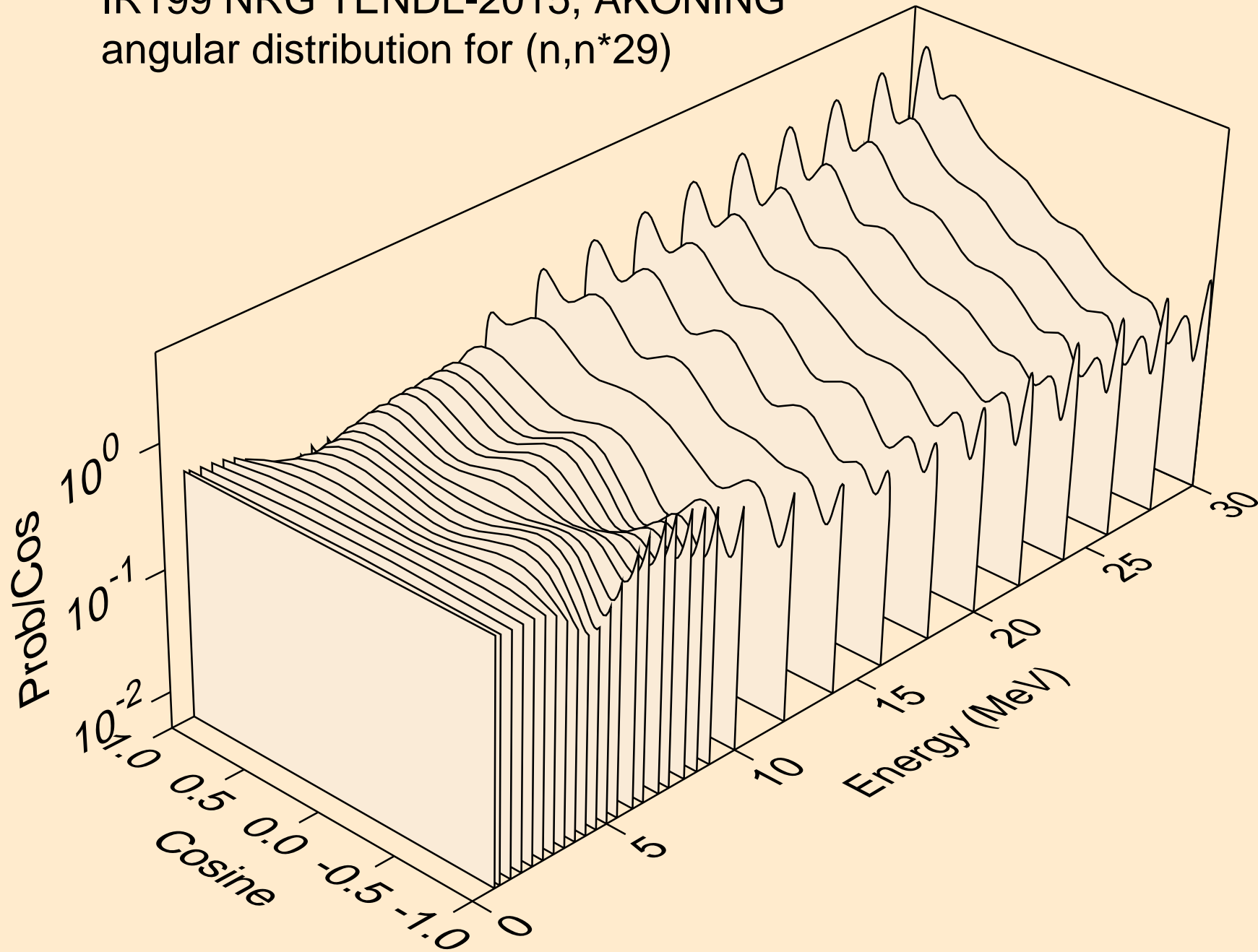
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angular distribution for (n,n\*27)



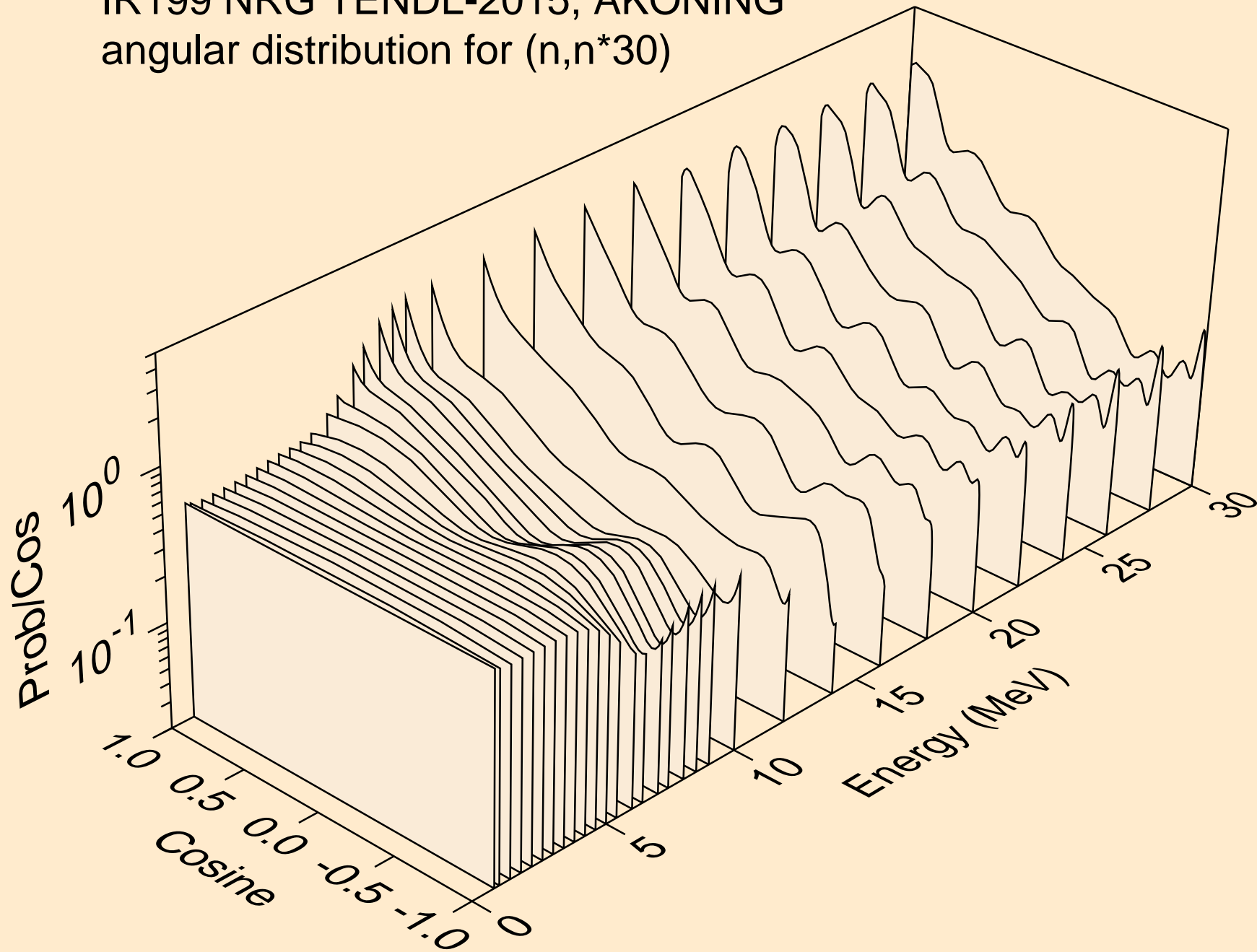
IR199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)



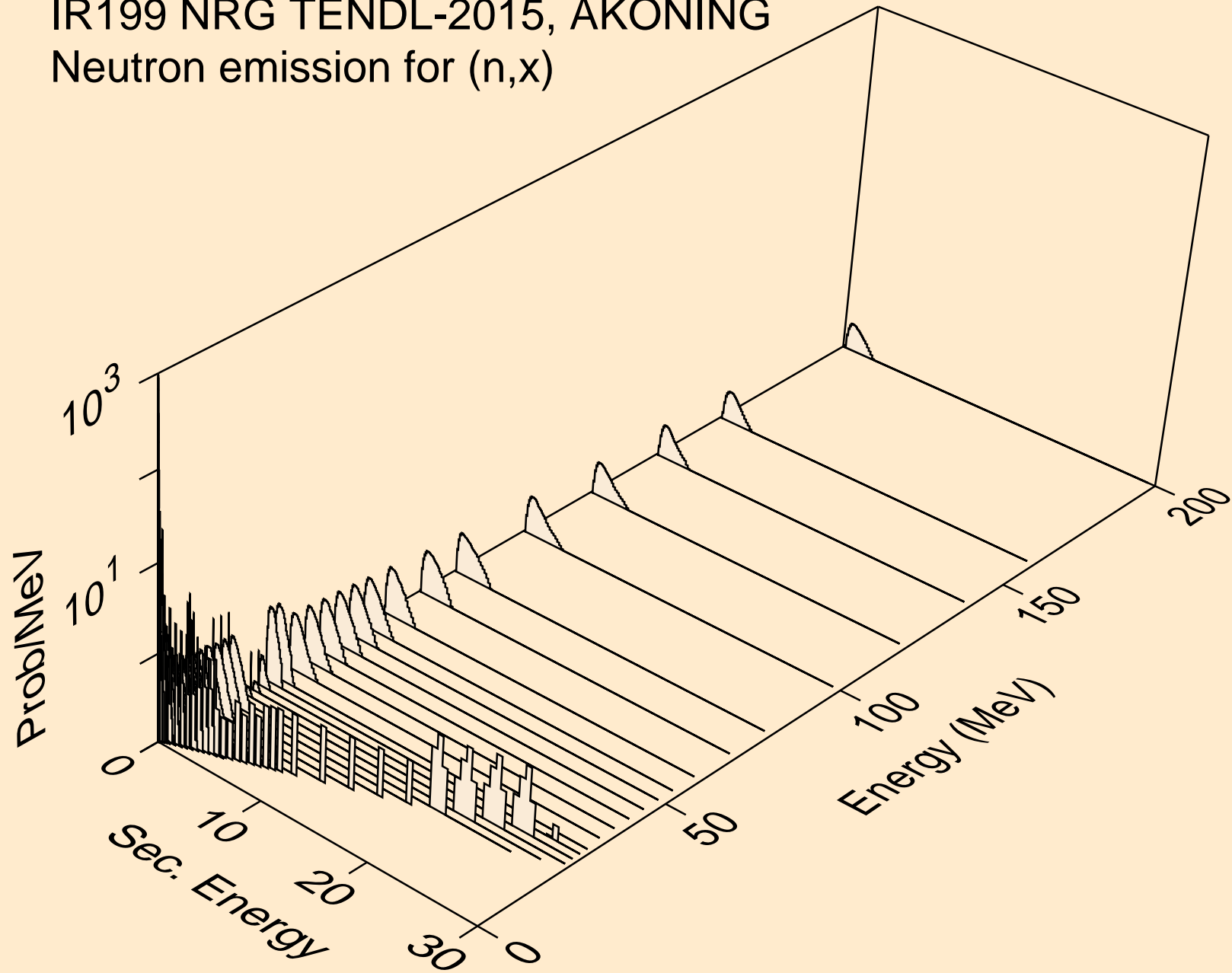
IR199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*29)



IR199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*30)

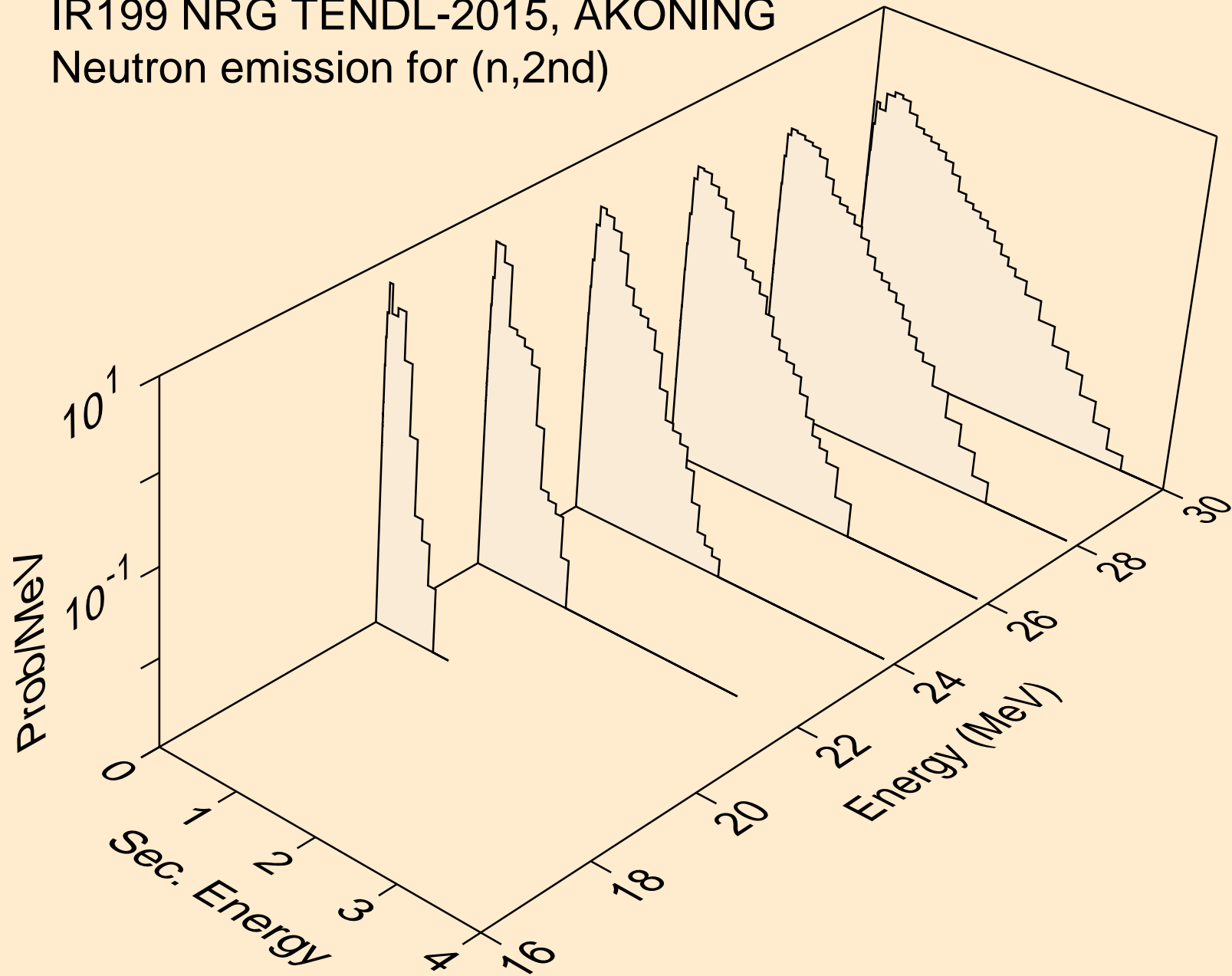


IR199 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)

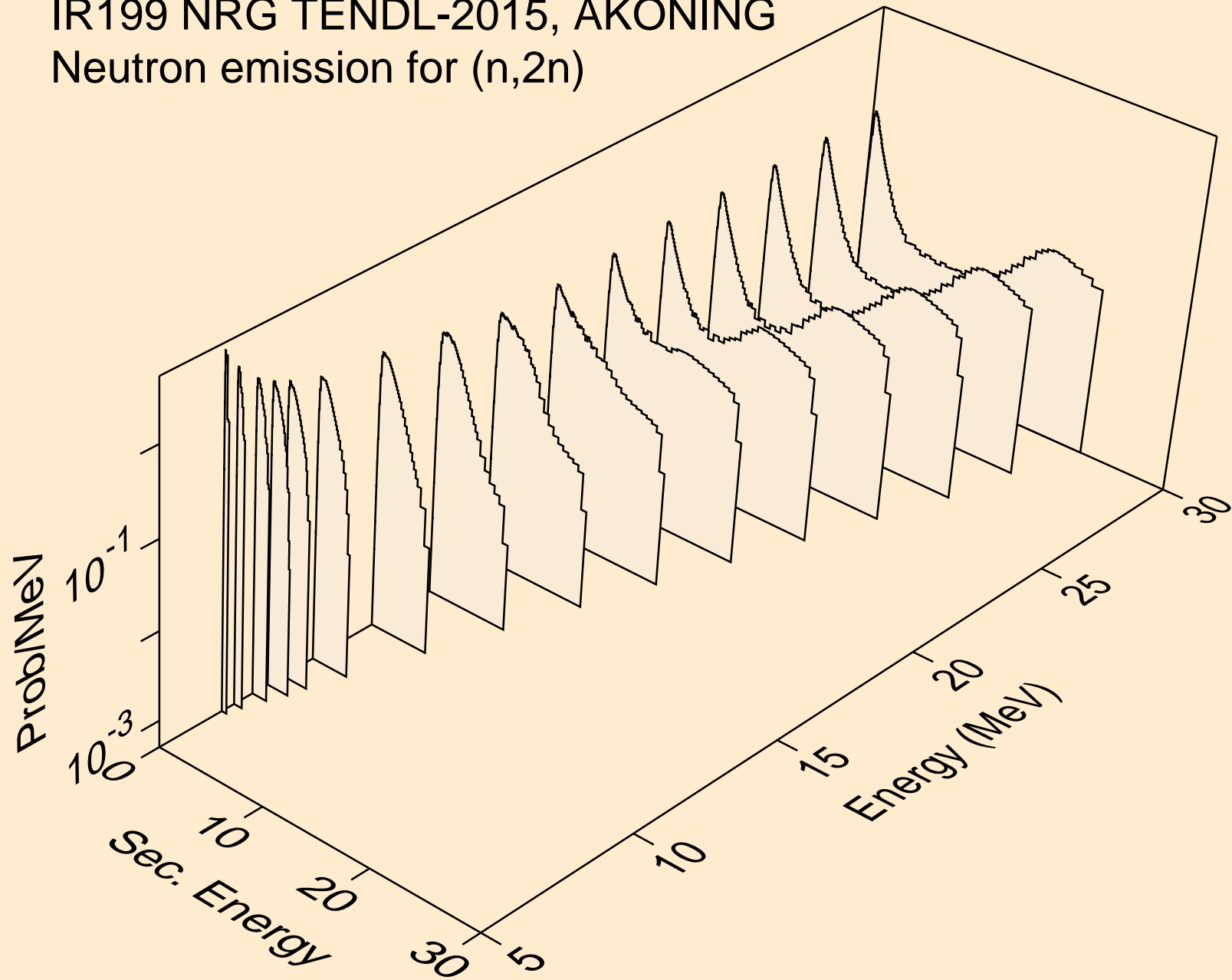




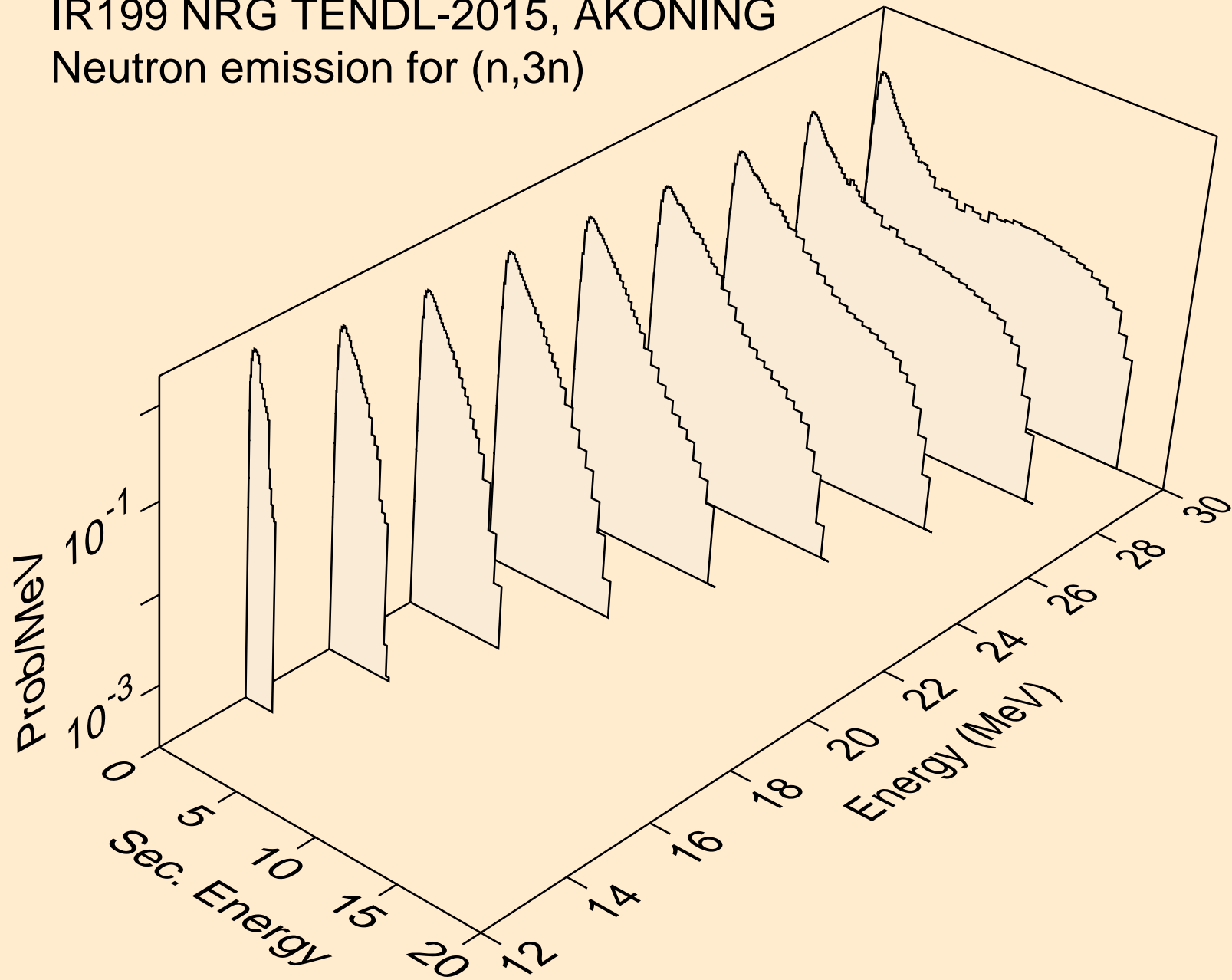
IR199 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



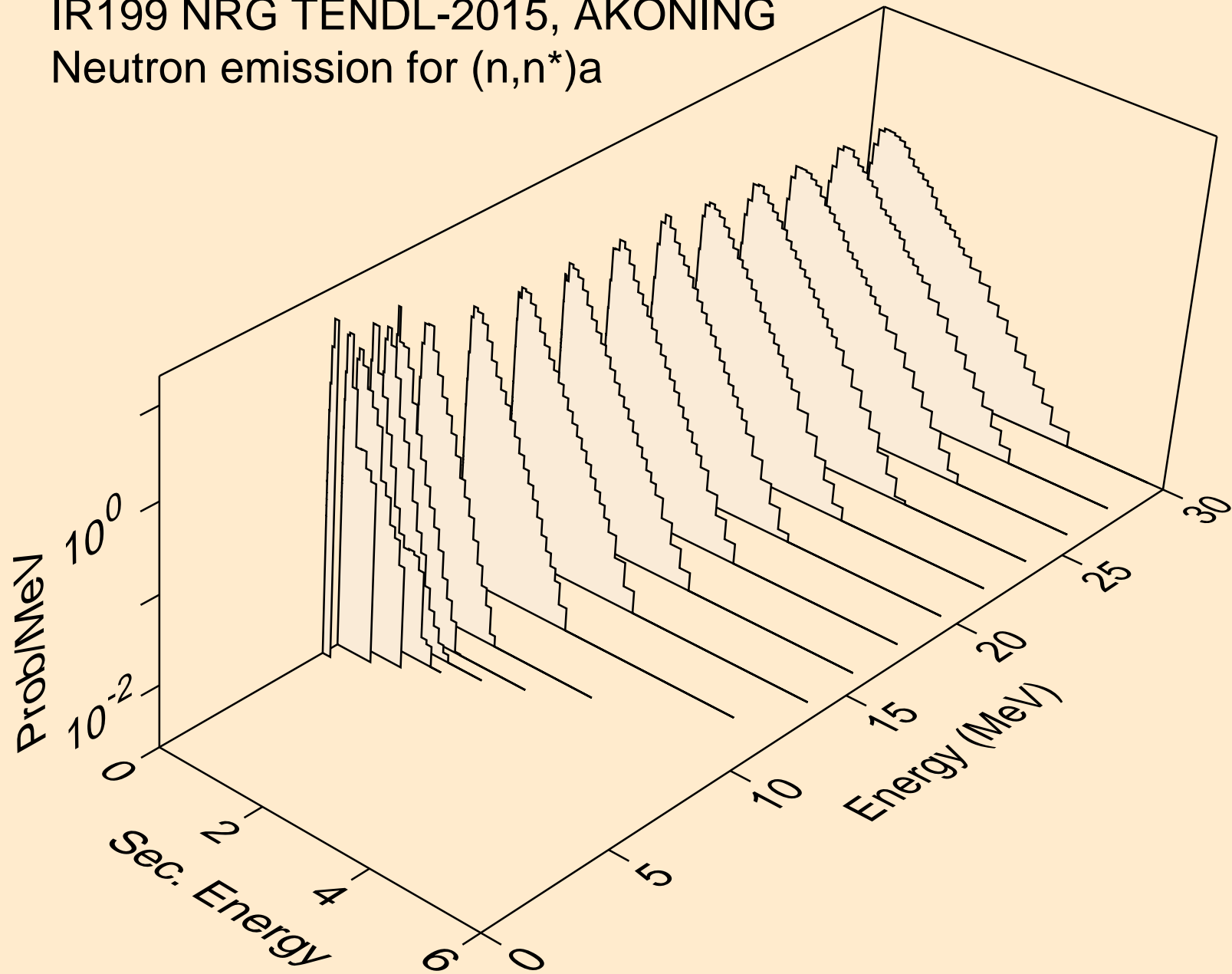
IR199 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



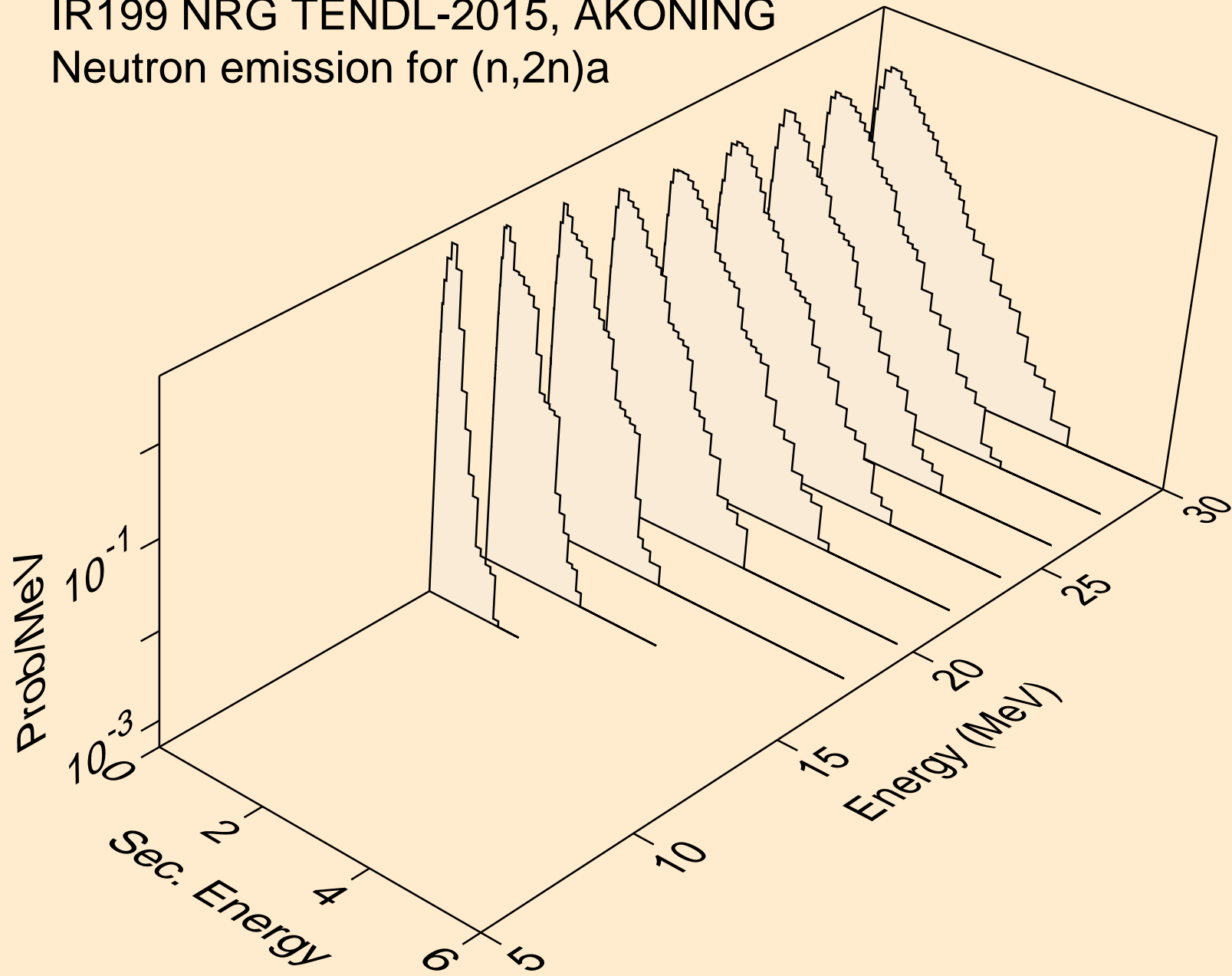
IR199 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



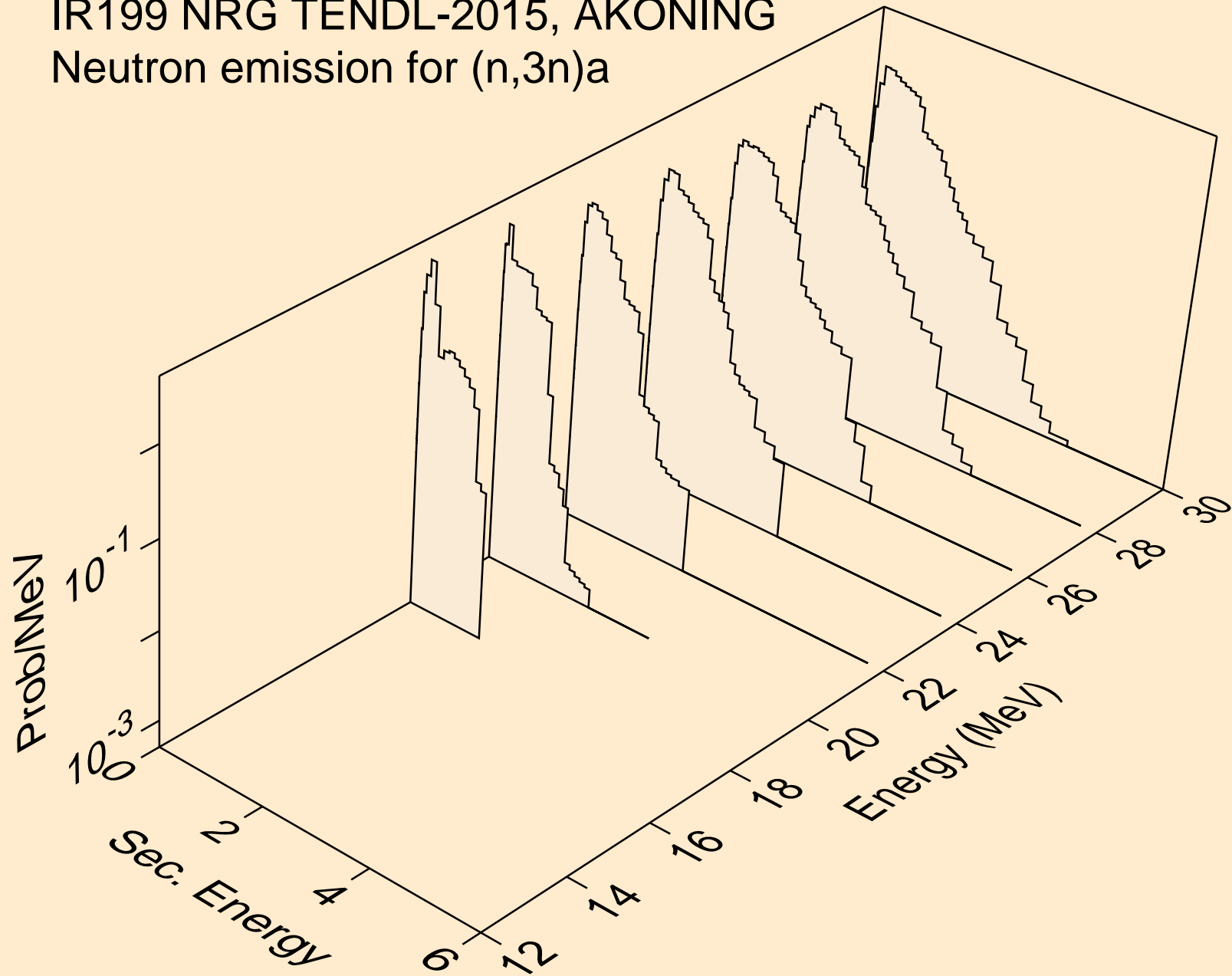
IR199 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



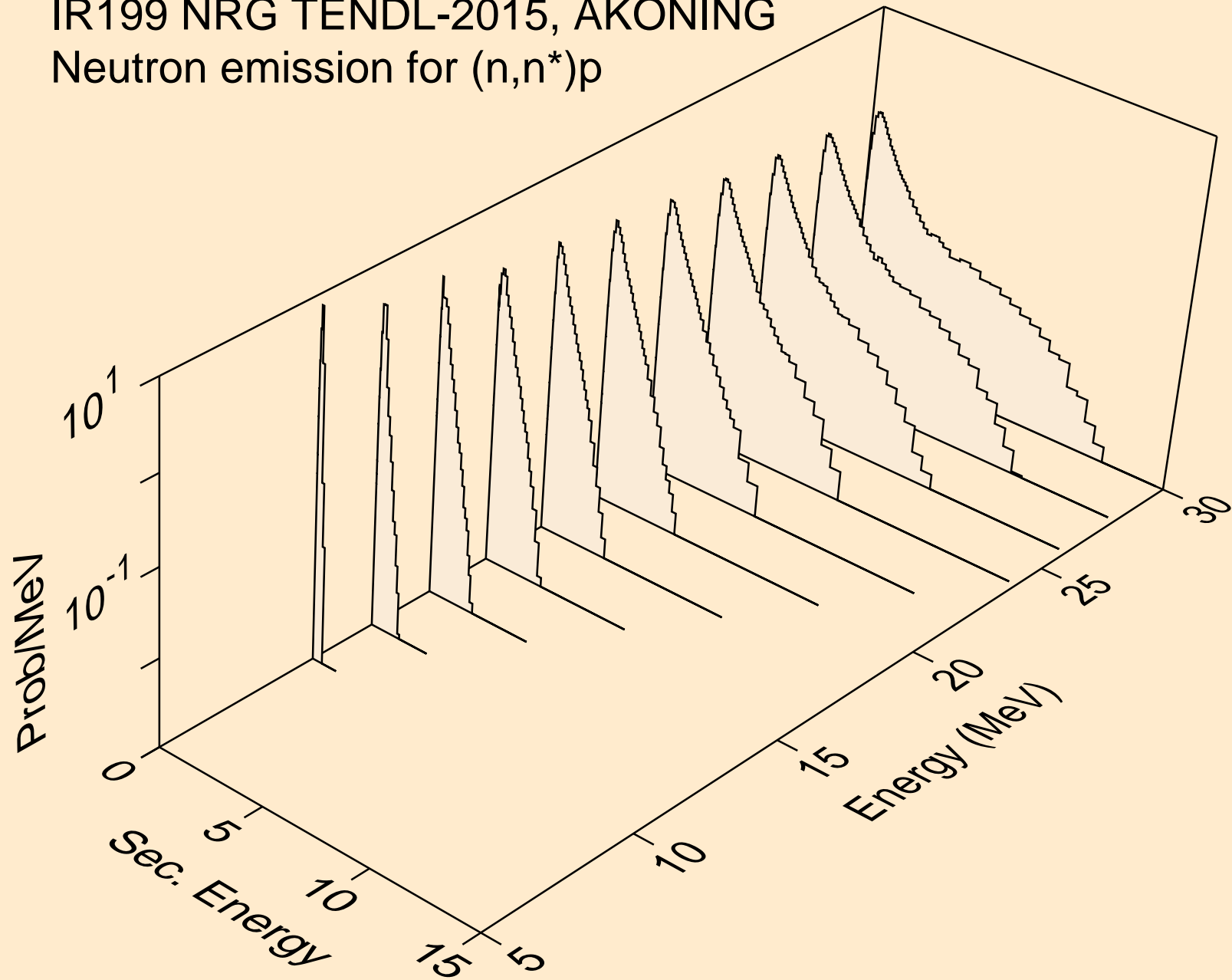
IR199 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



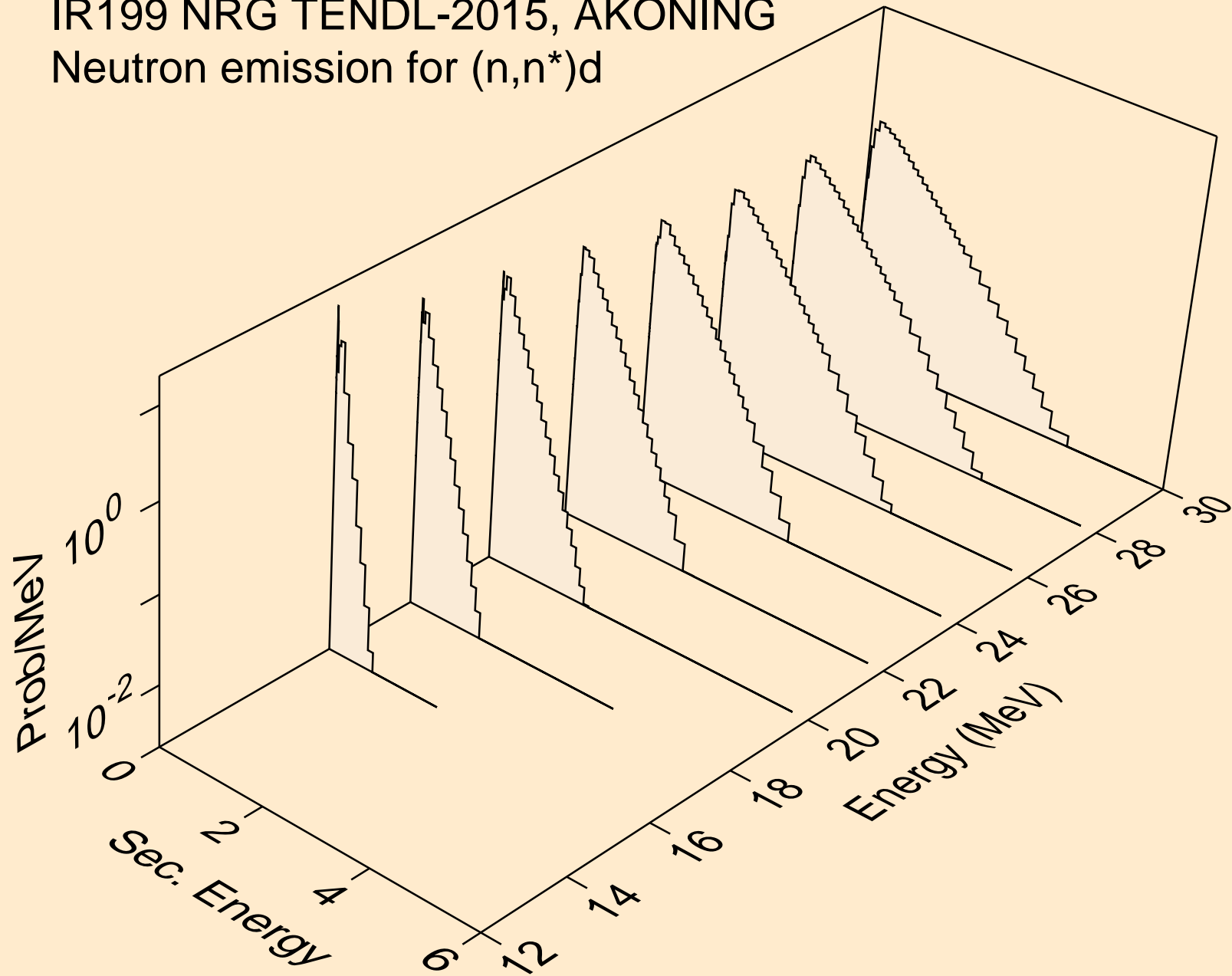
IR199 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



IR199 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p

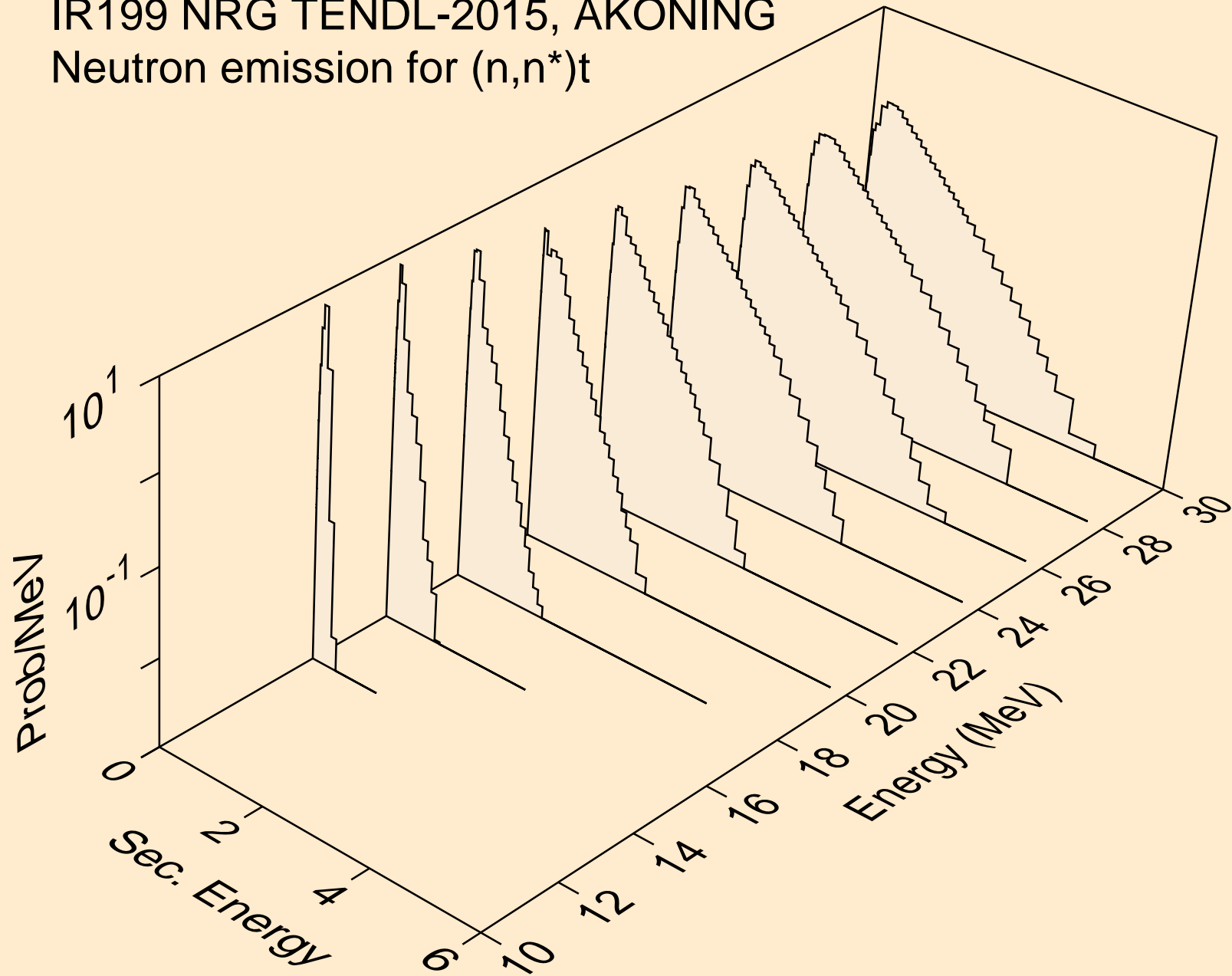


IR199 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d

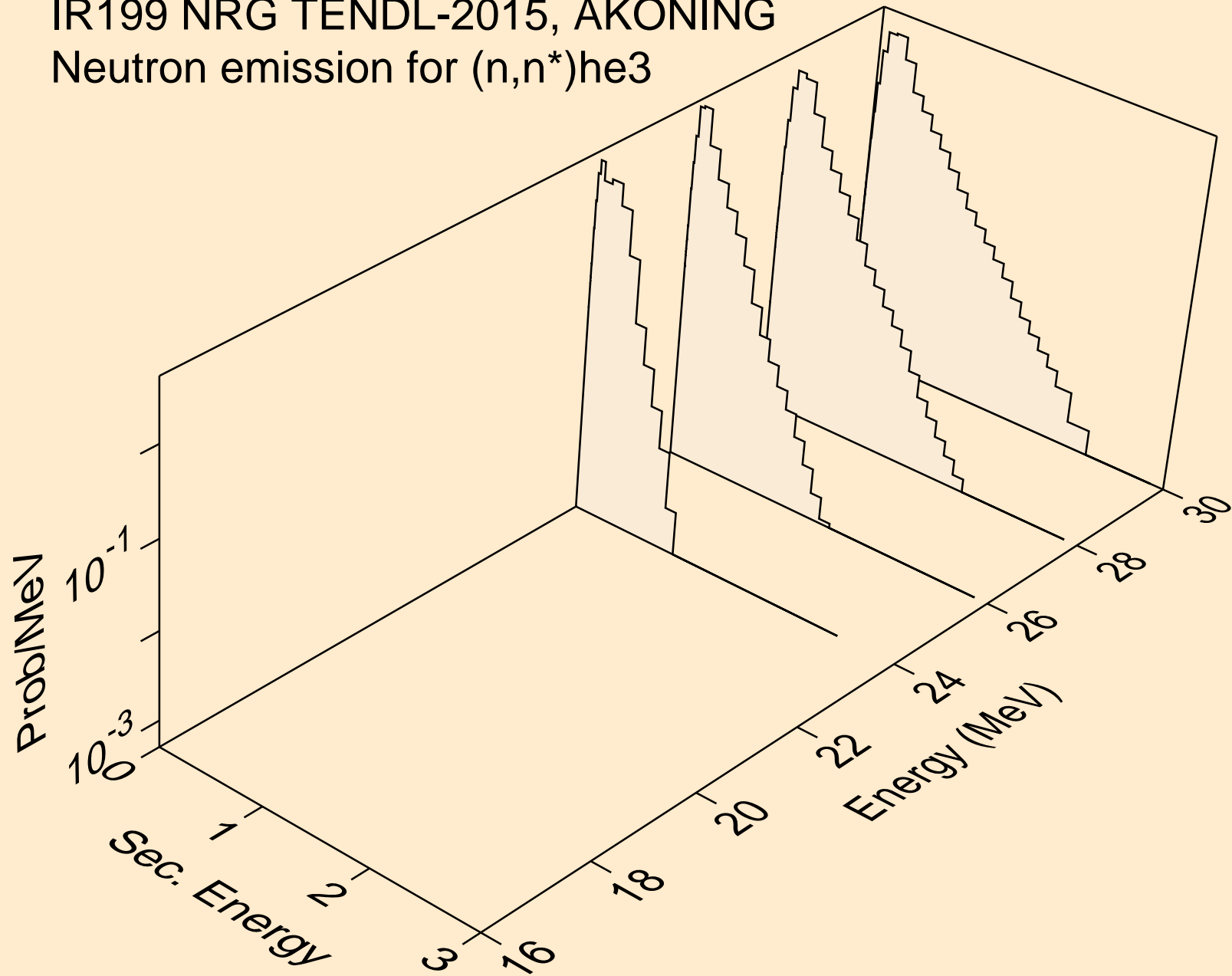




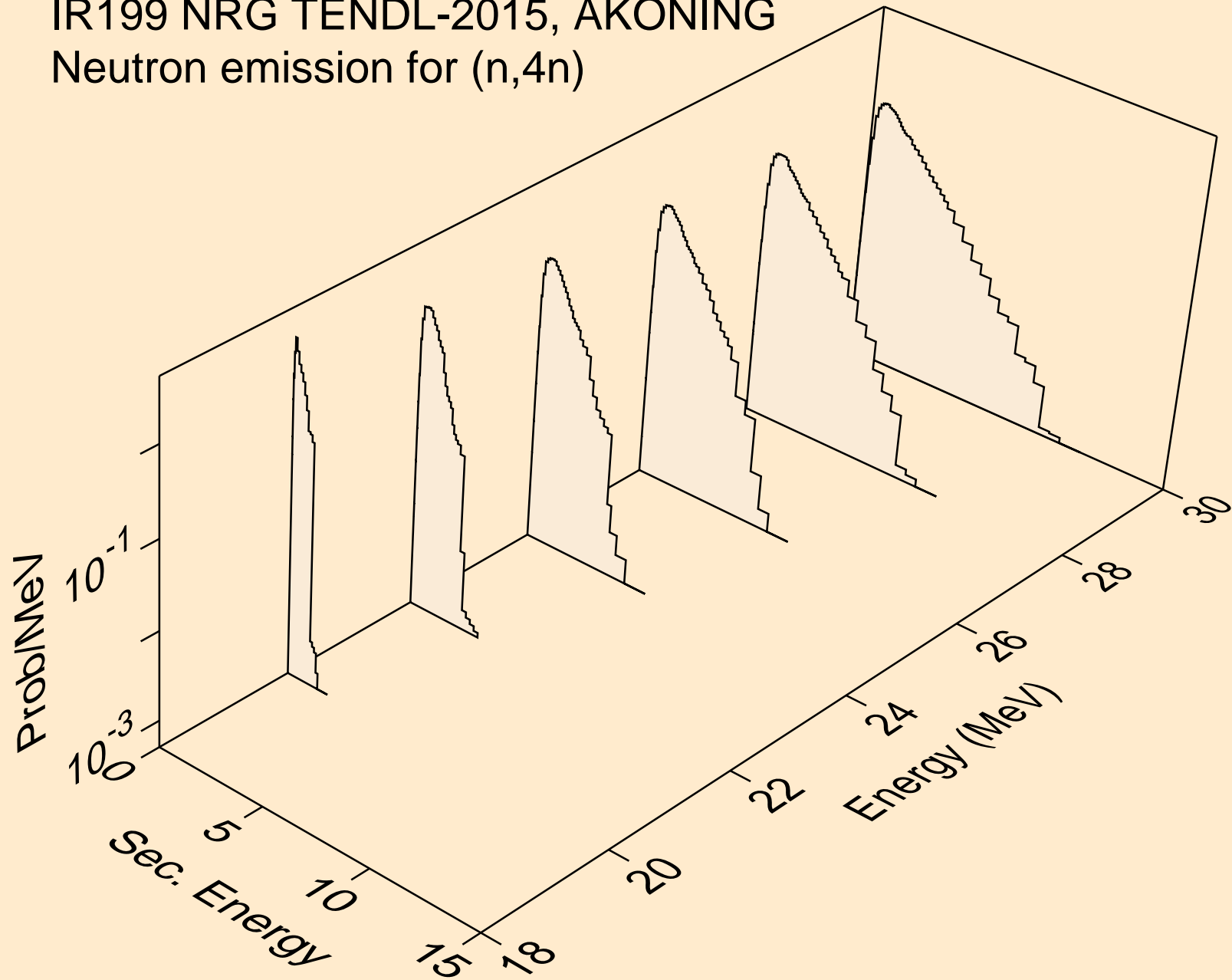
IR199 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



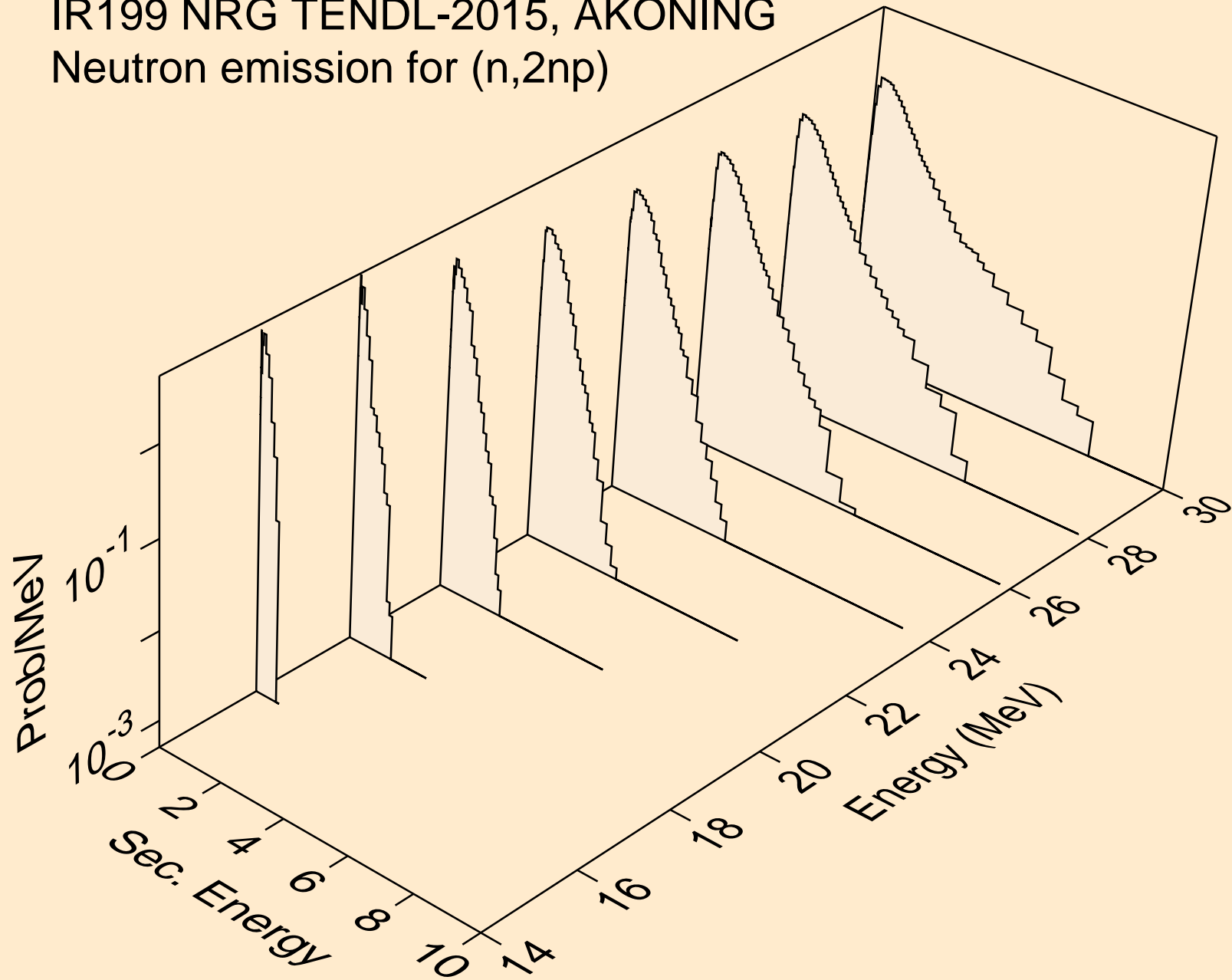
IR199 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



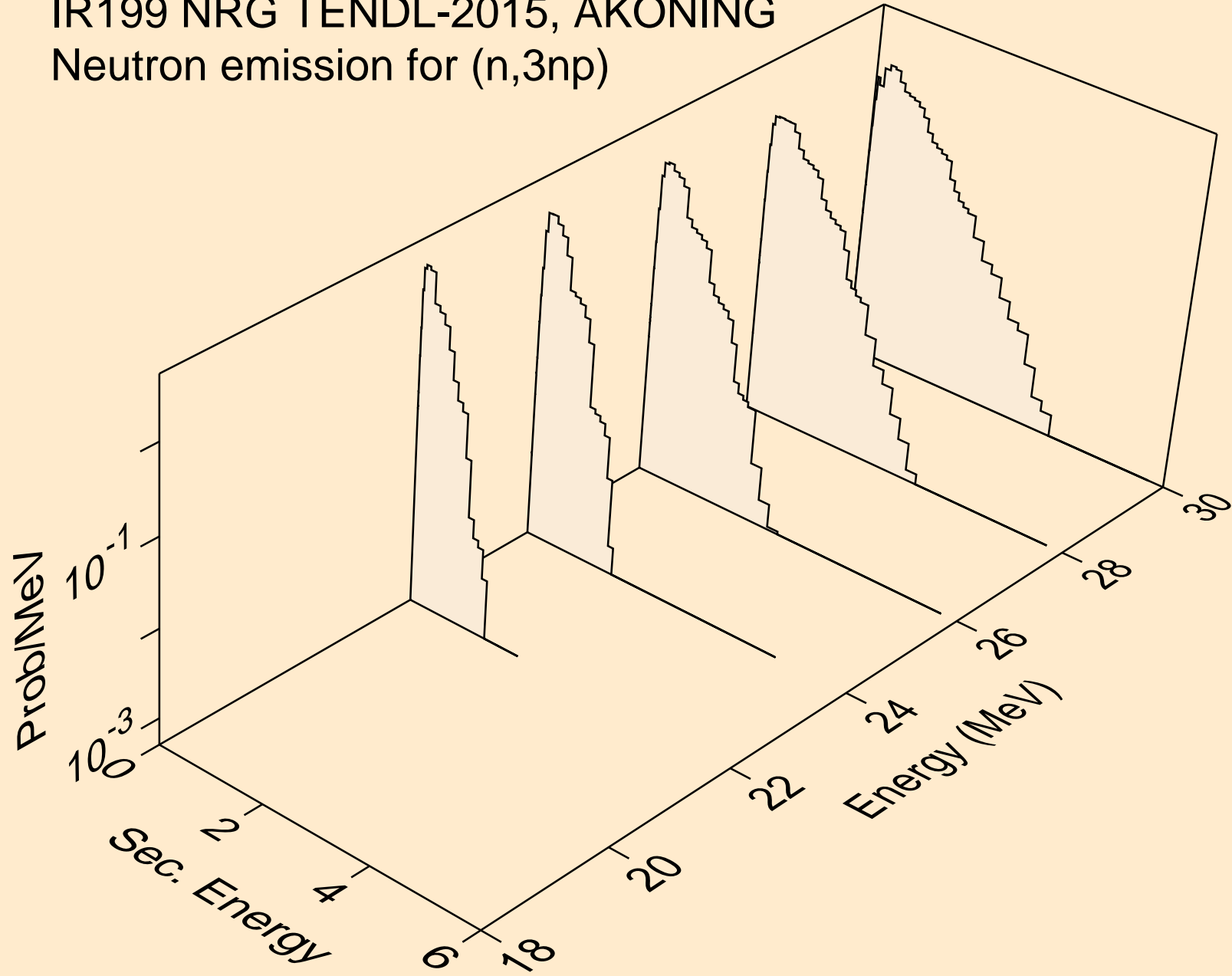
IR199 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



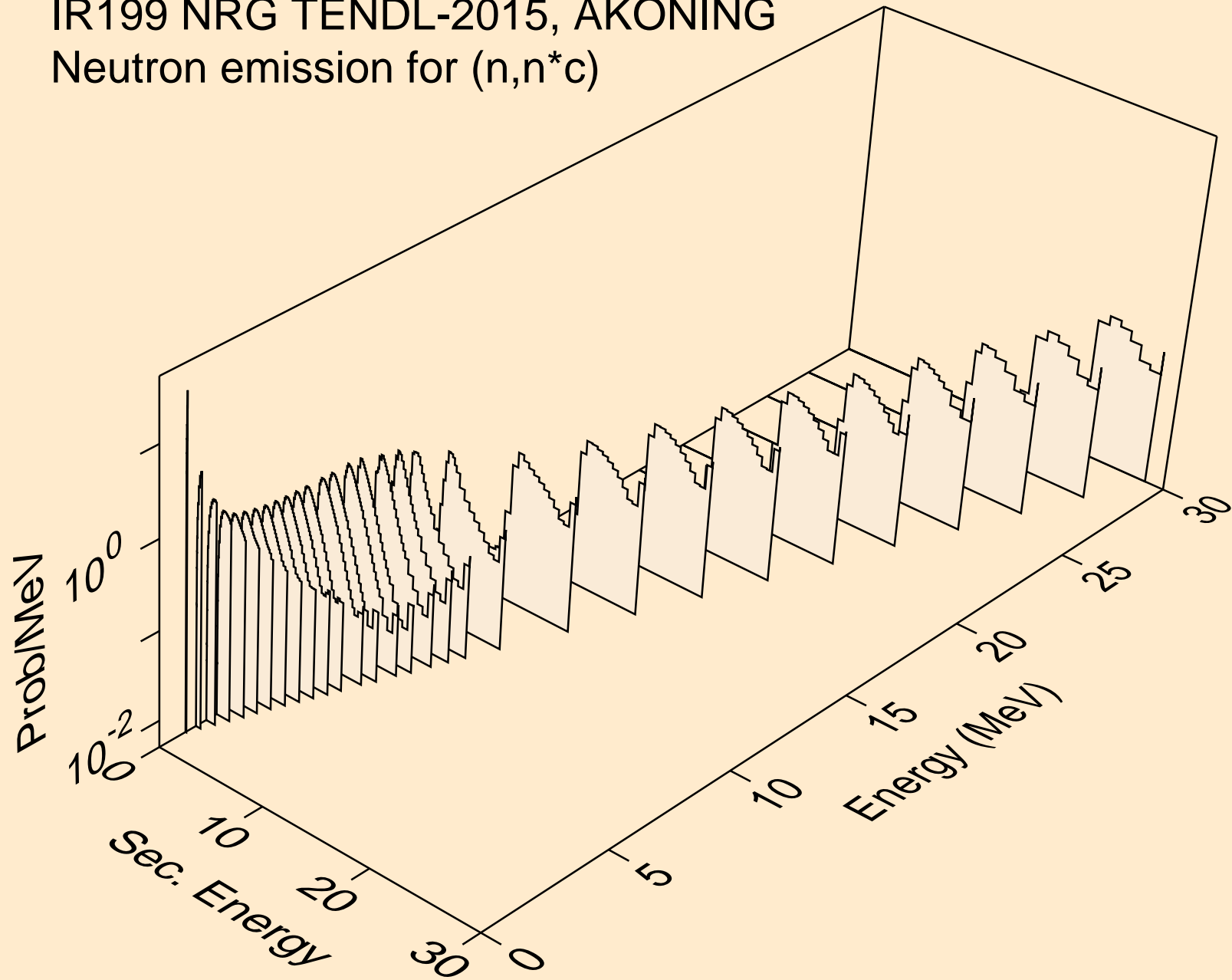
IR199 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



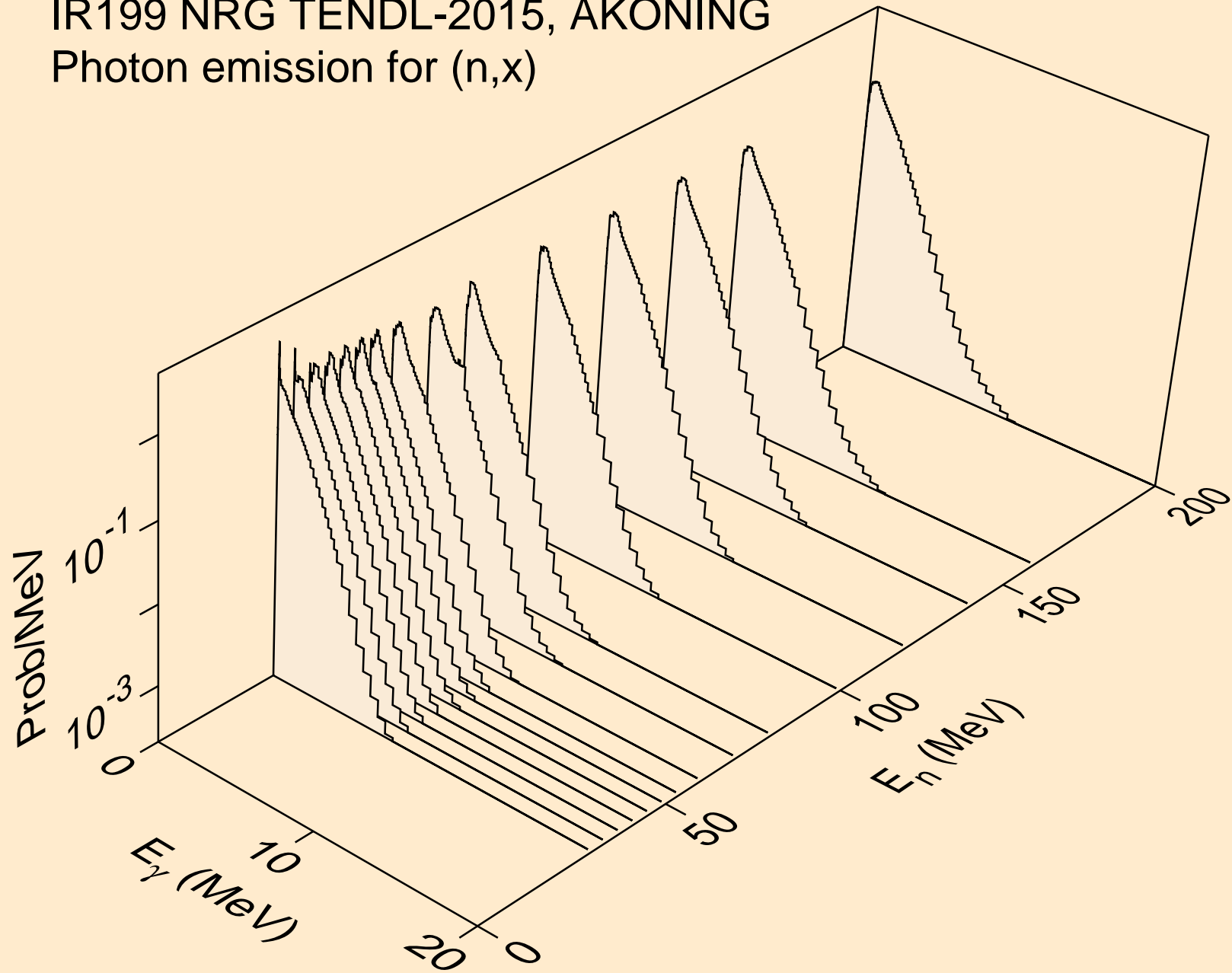
IR199 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



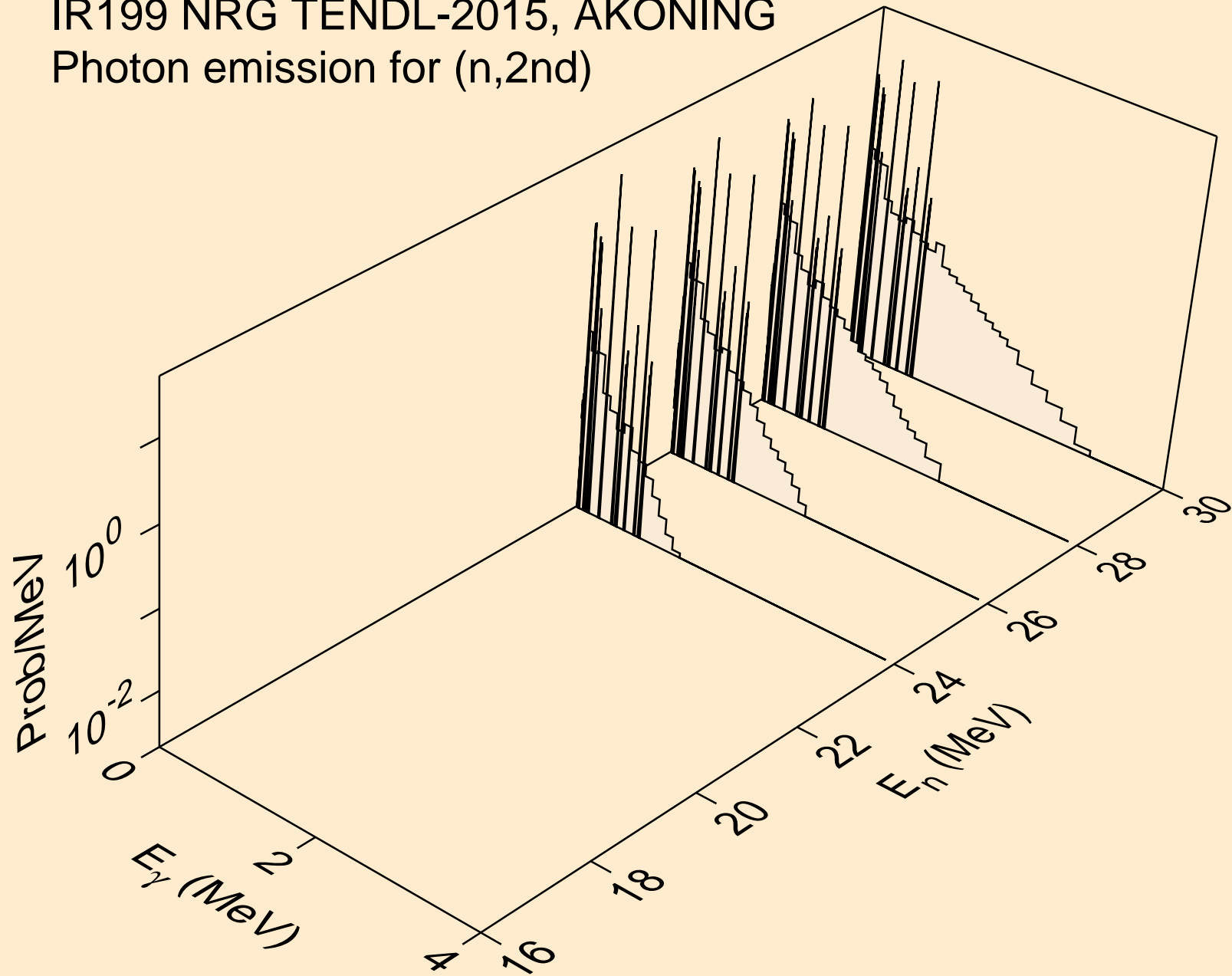
IR199 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



IR199 NRG TENDL-2015, AKONING  
Photon emission for (n,x)

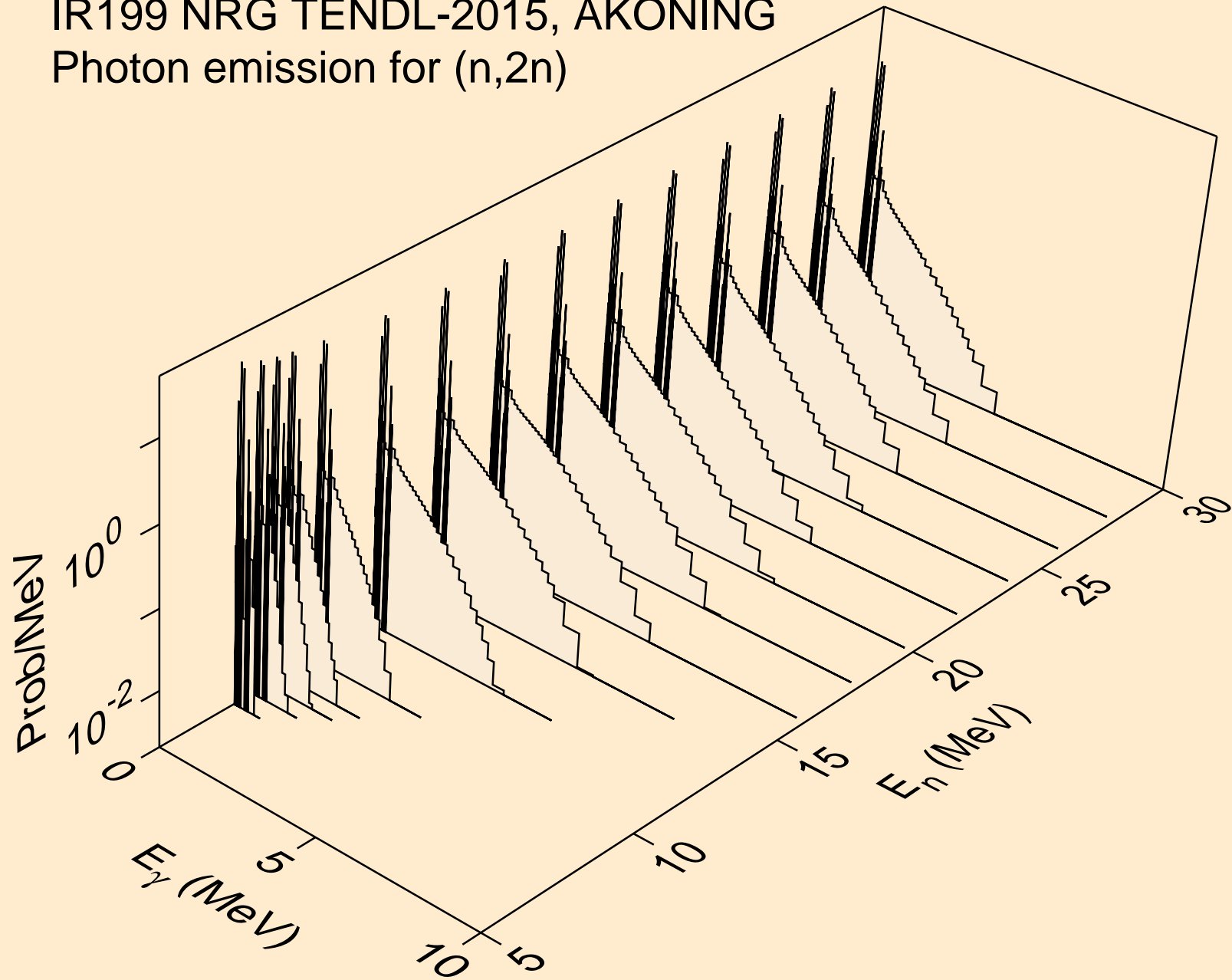


IR199 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)

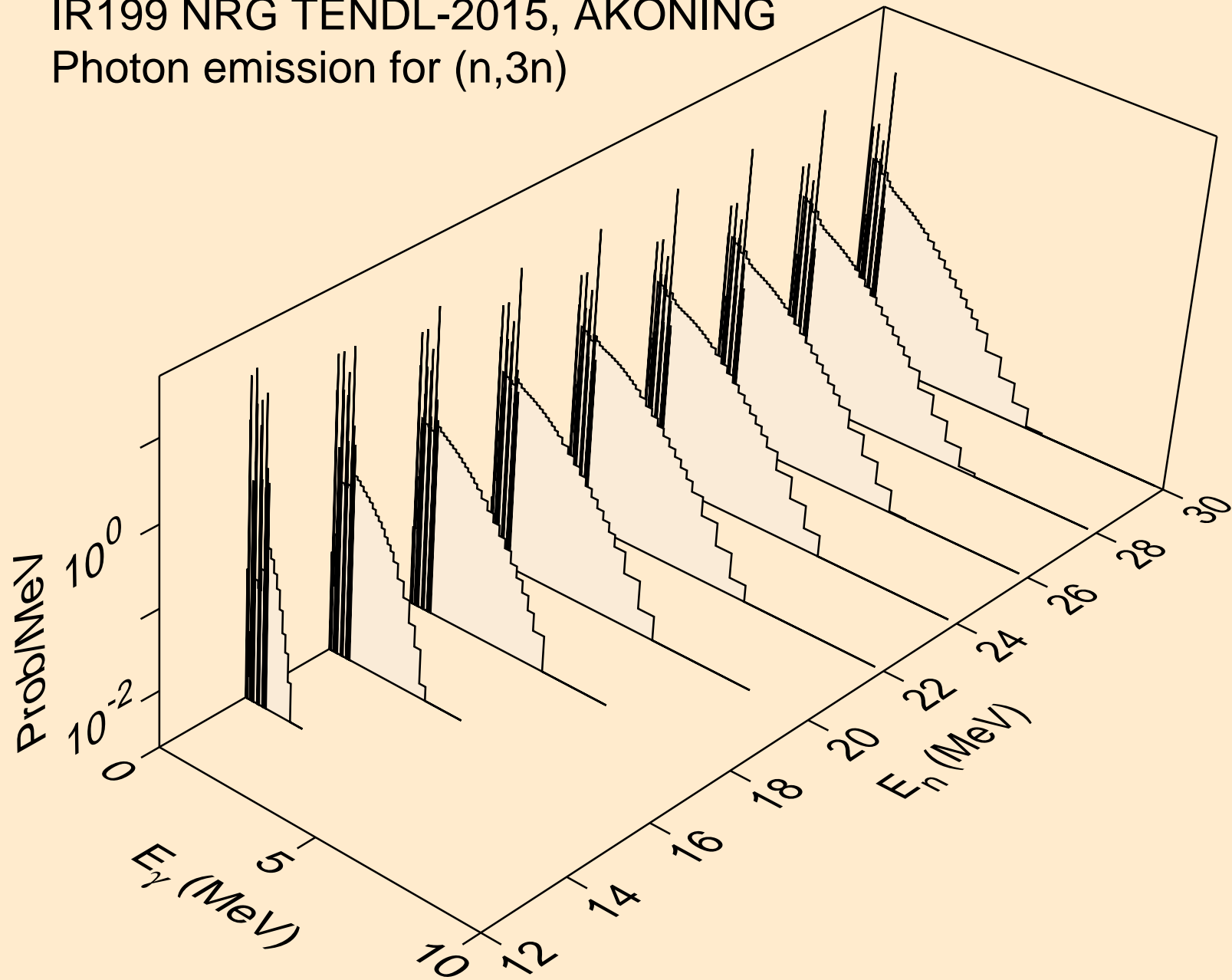




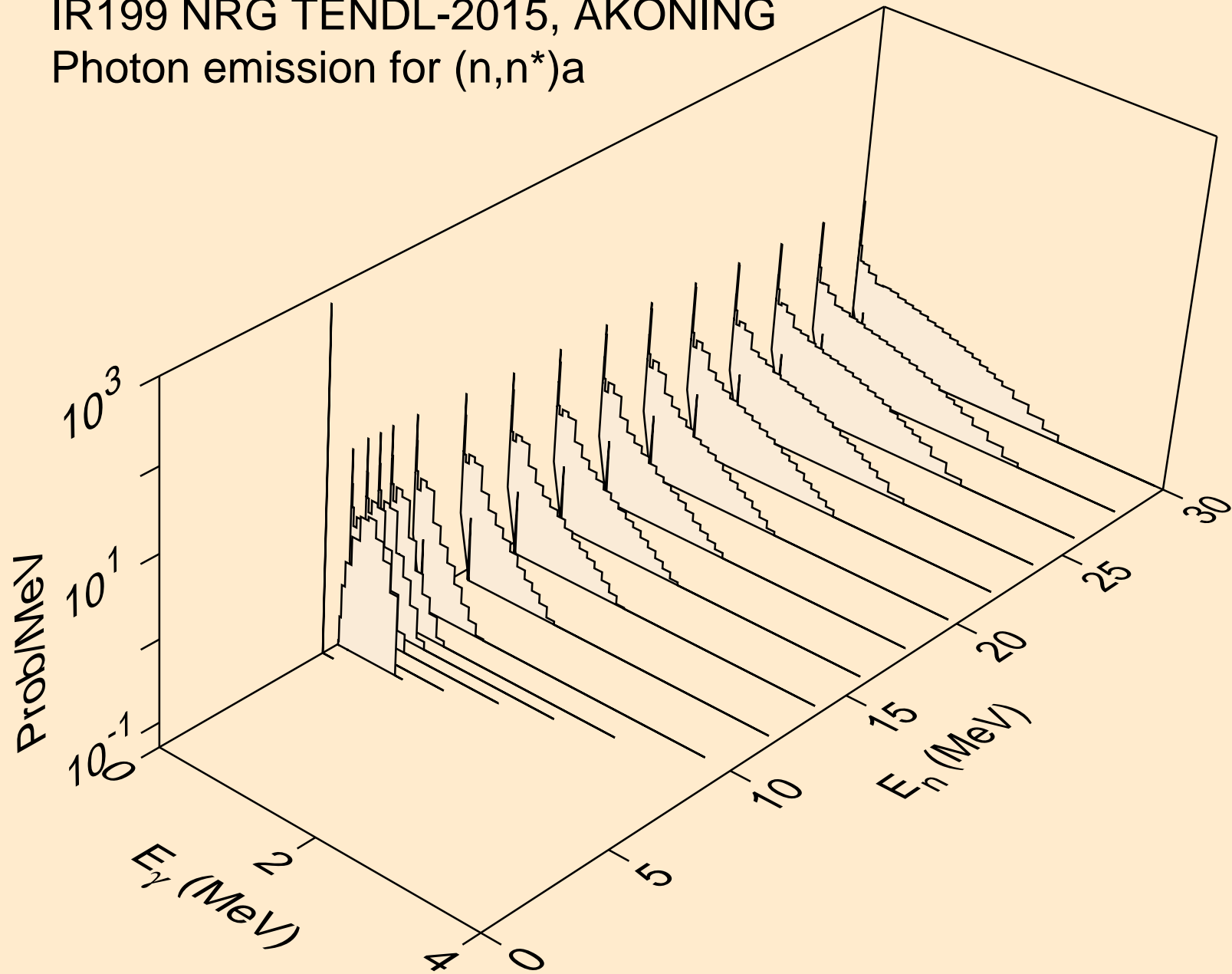
IR199 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



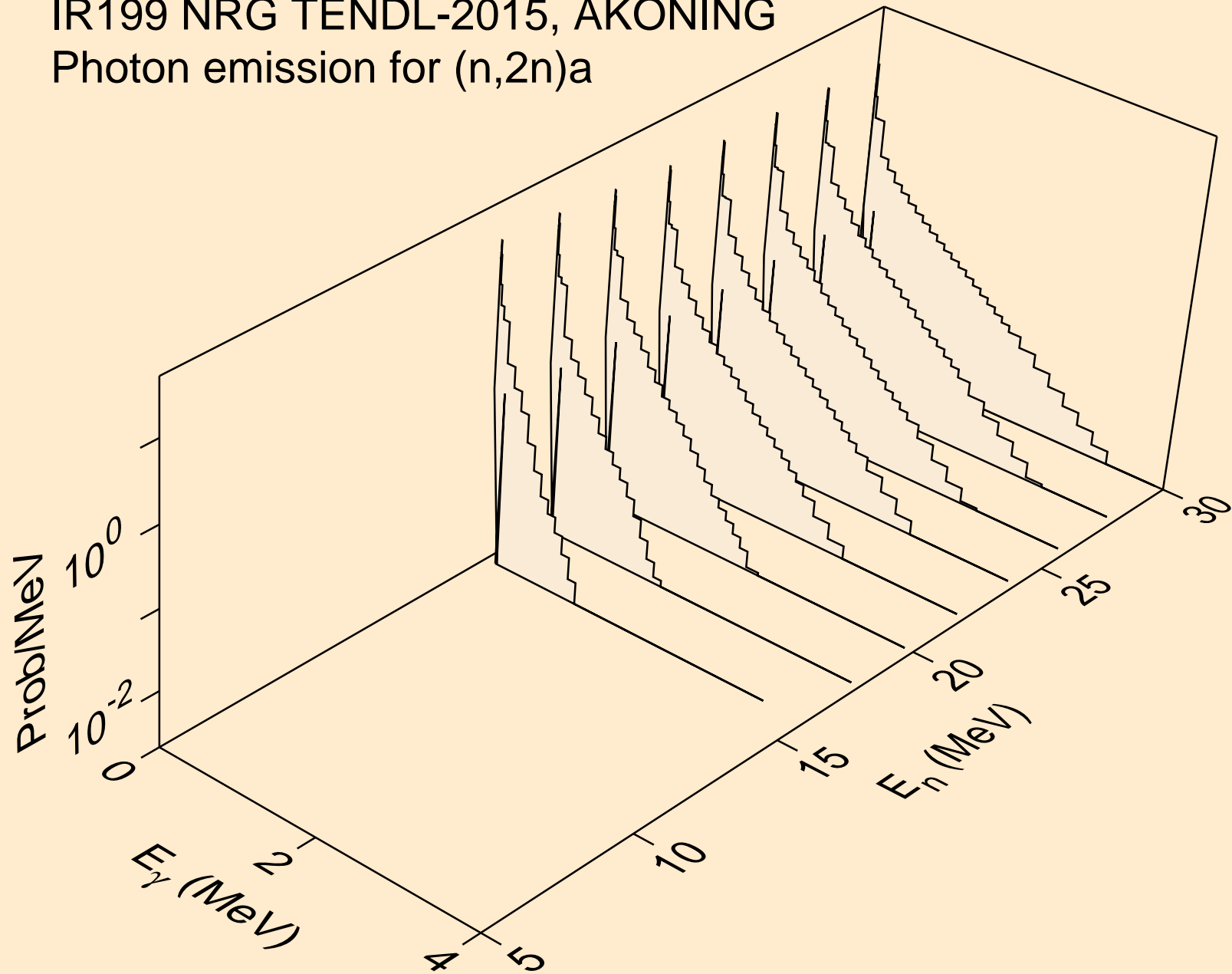
IR199 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



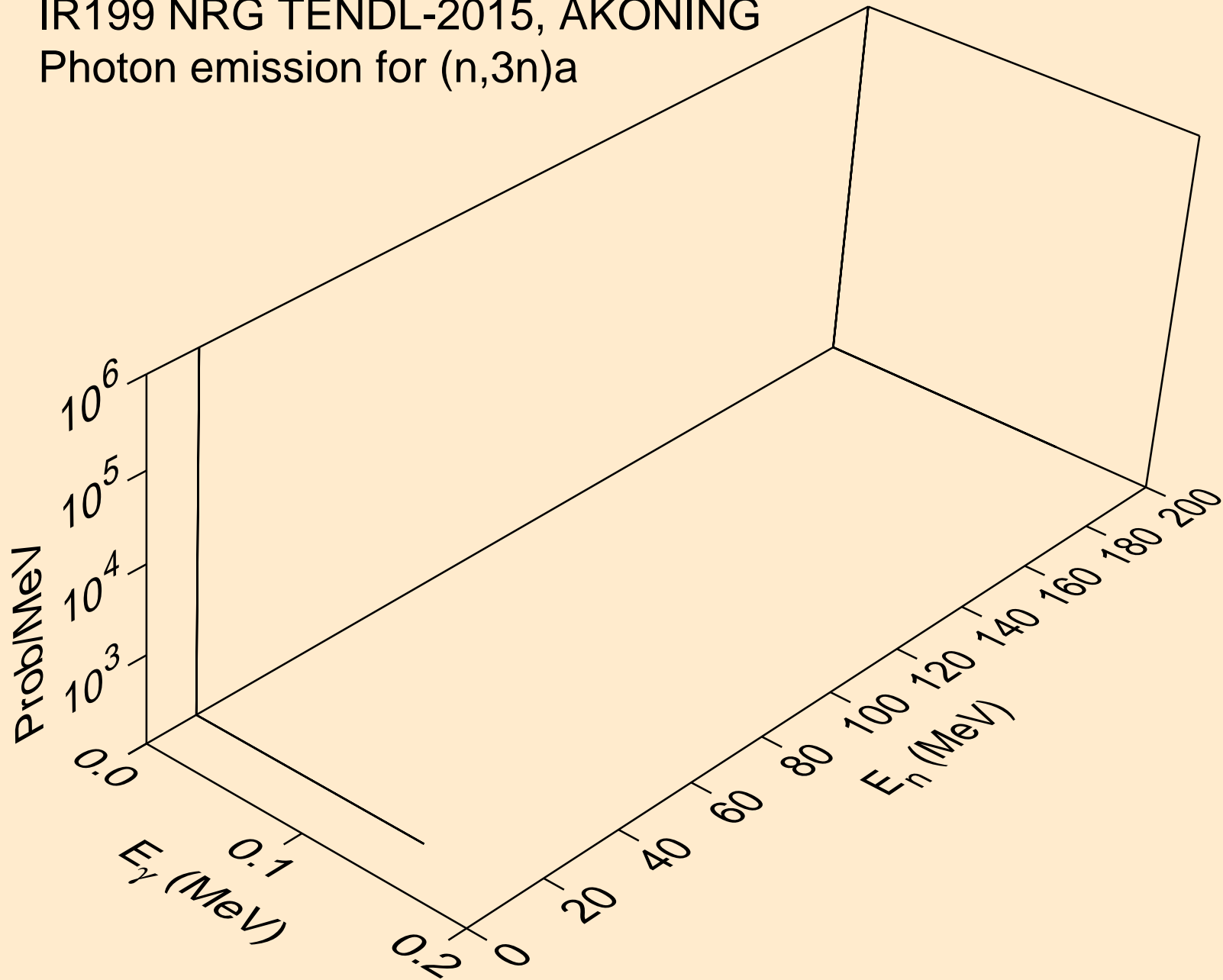
IR199 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



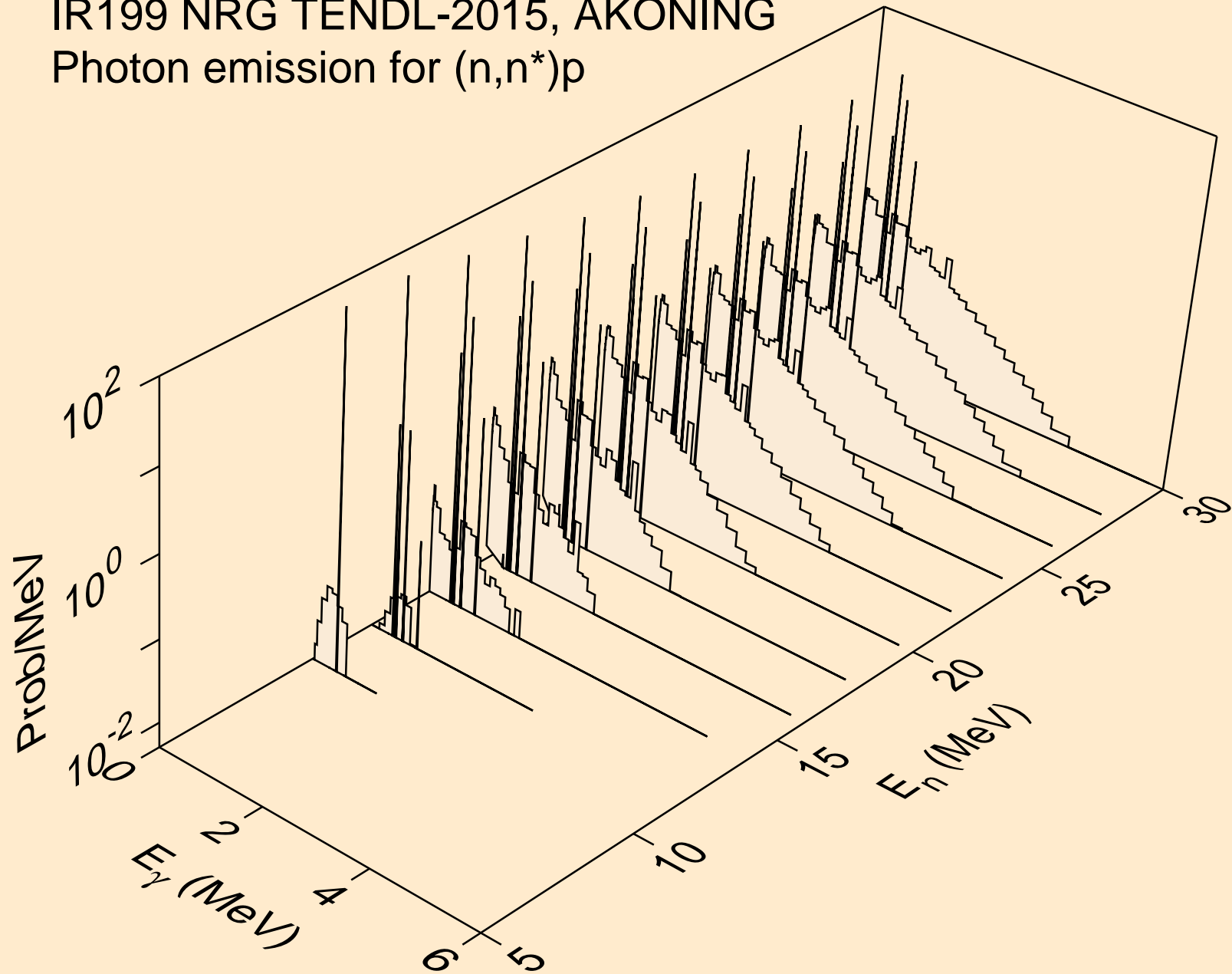
IR199 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



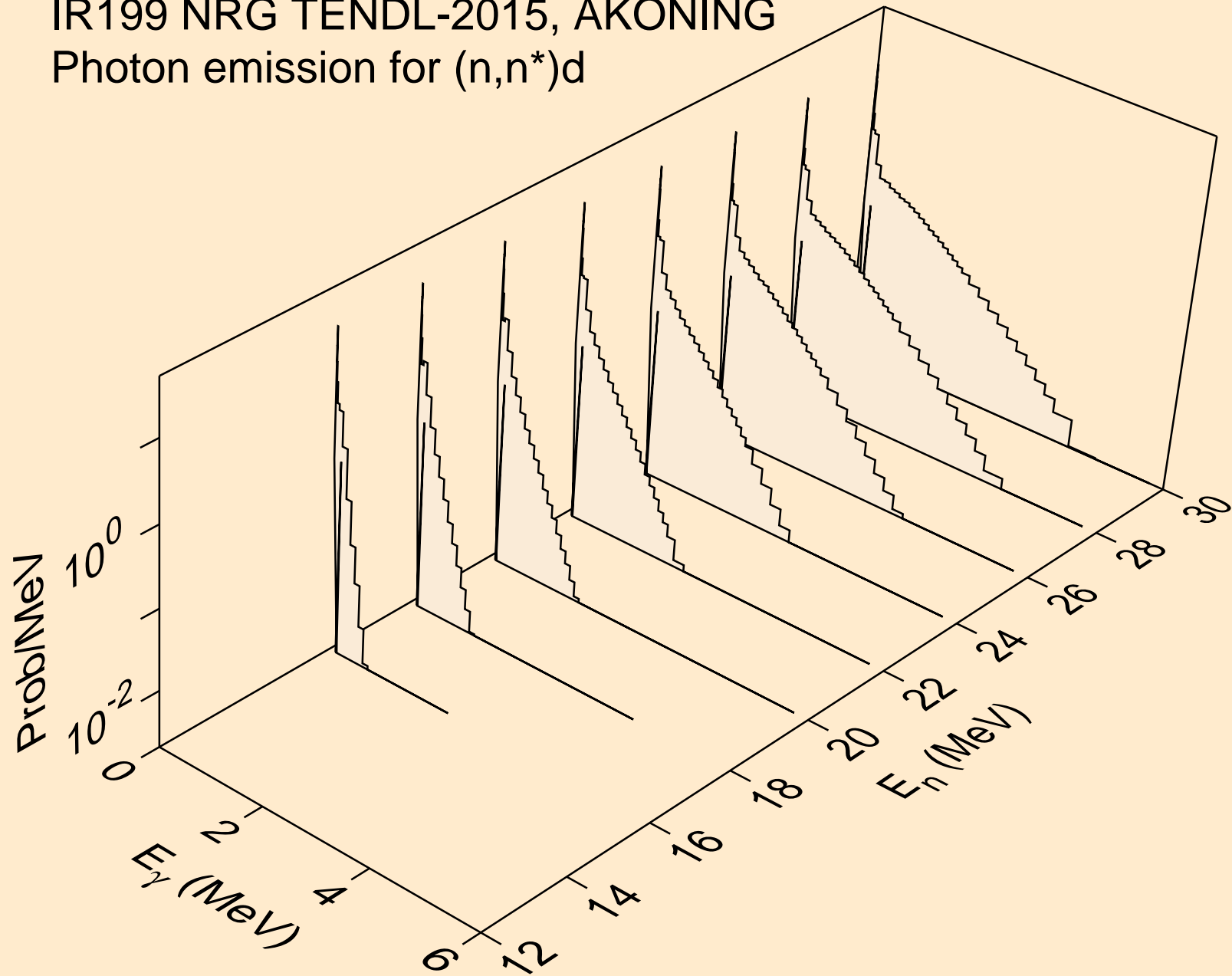
IR199 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



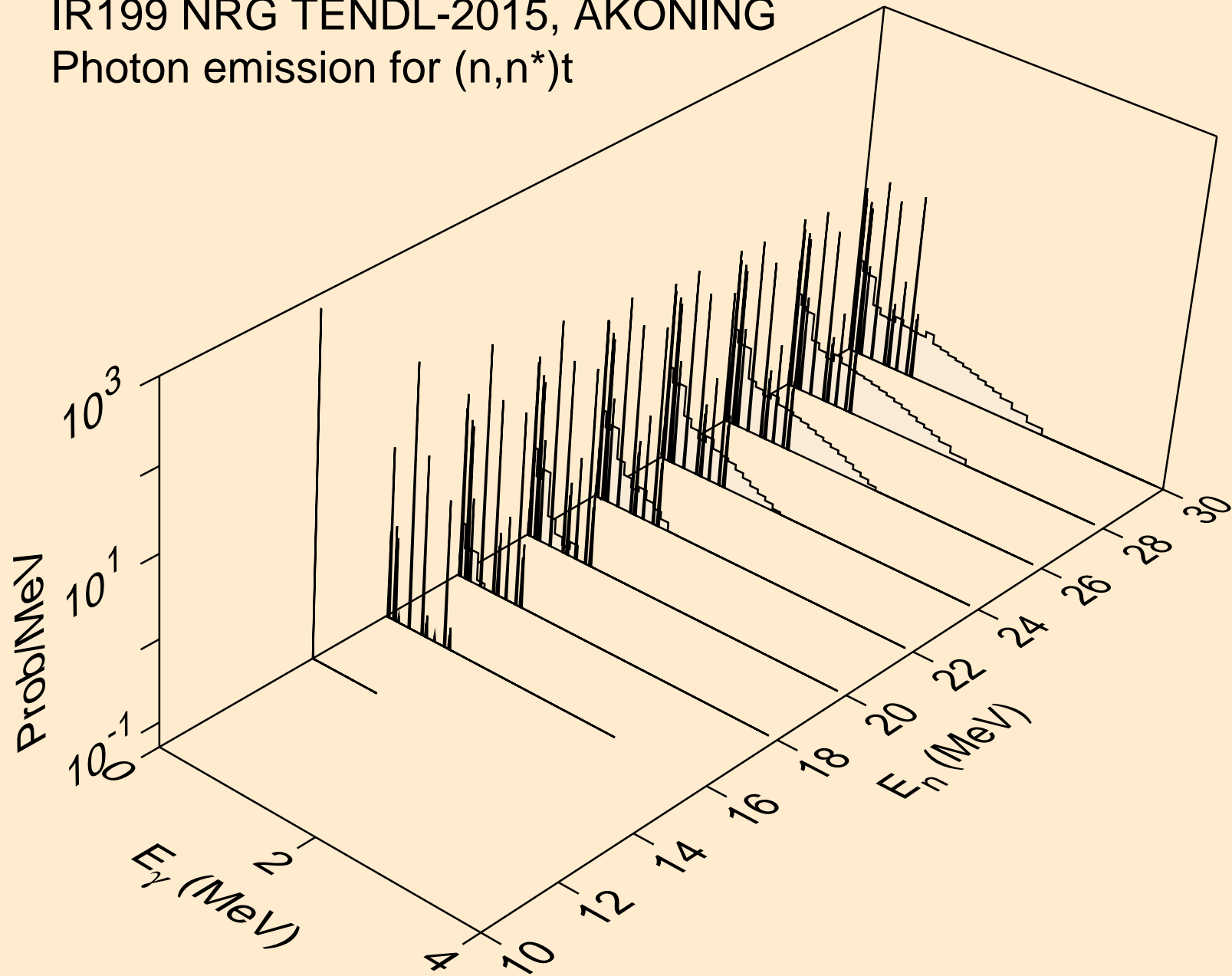
IR199 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



IR199 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d

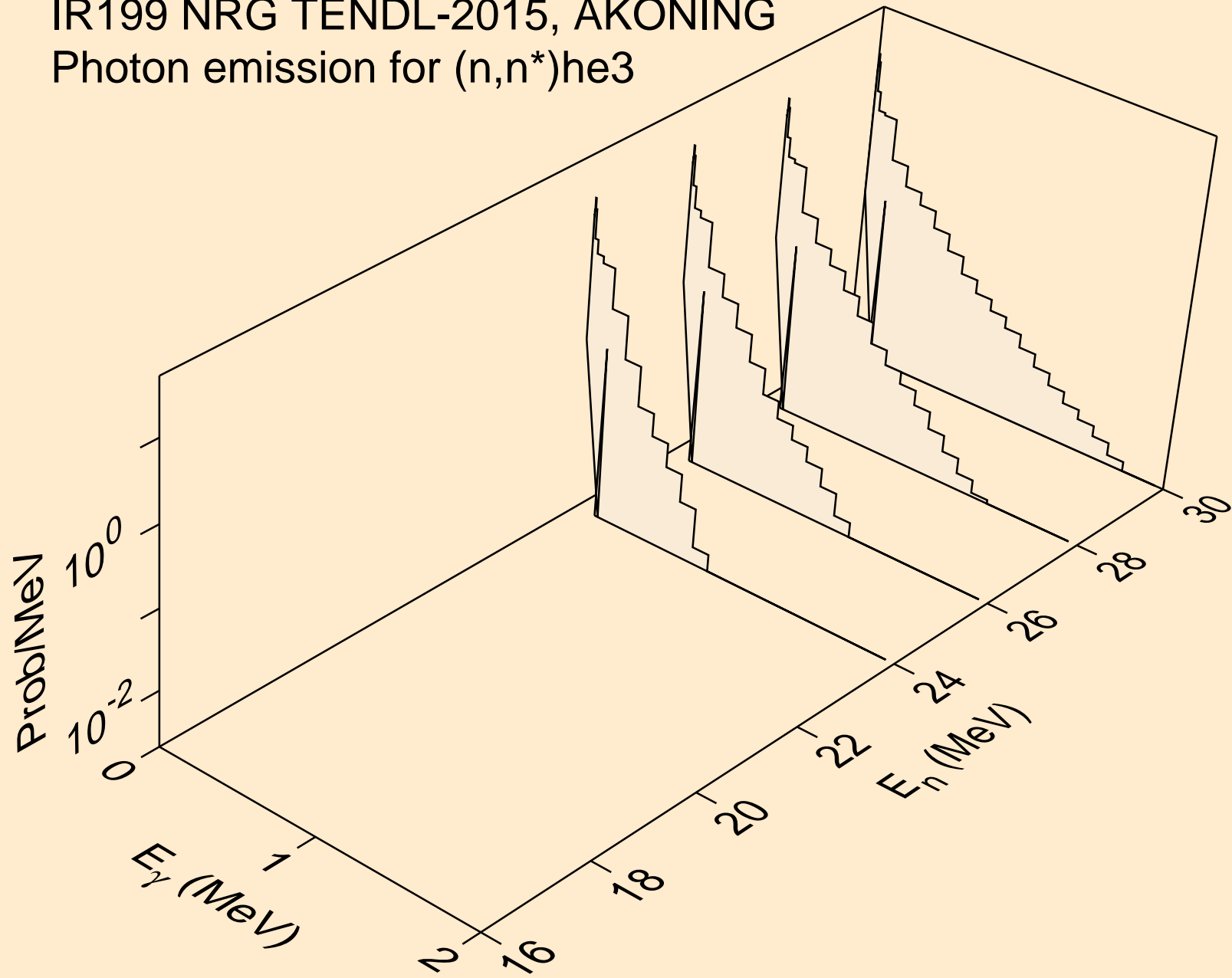


IR199 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t

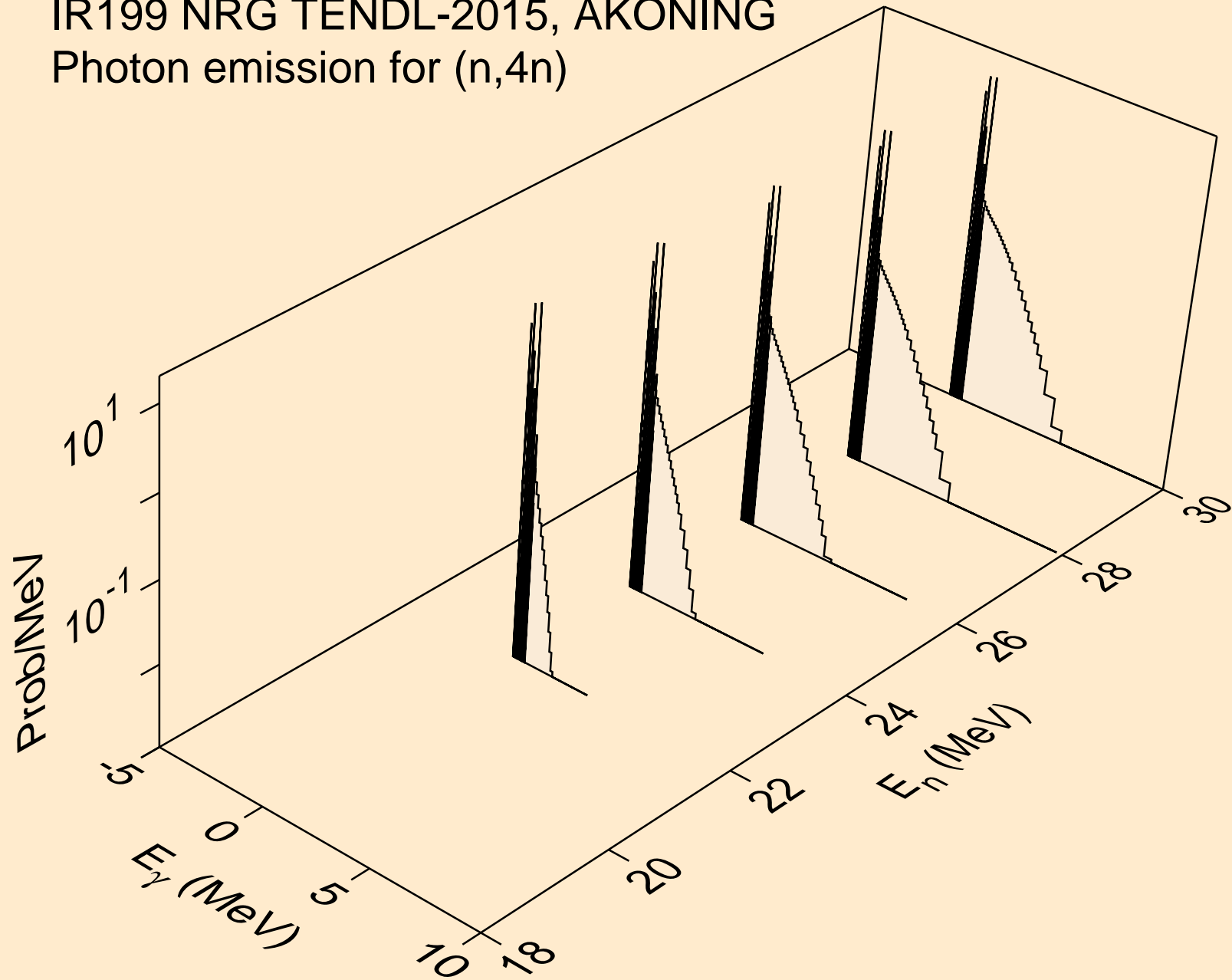




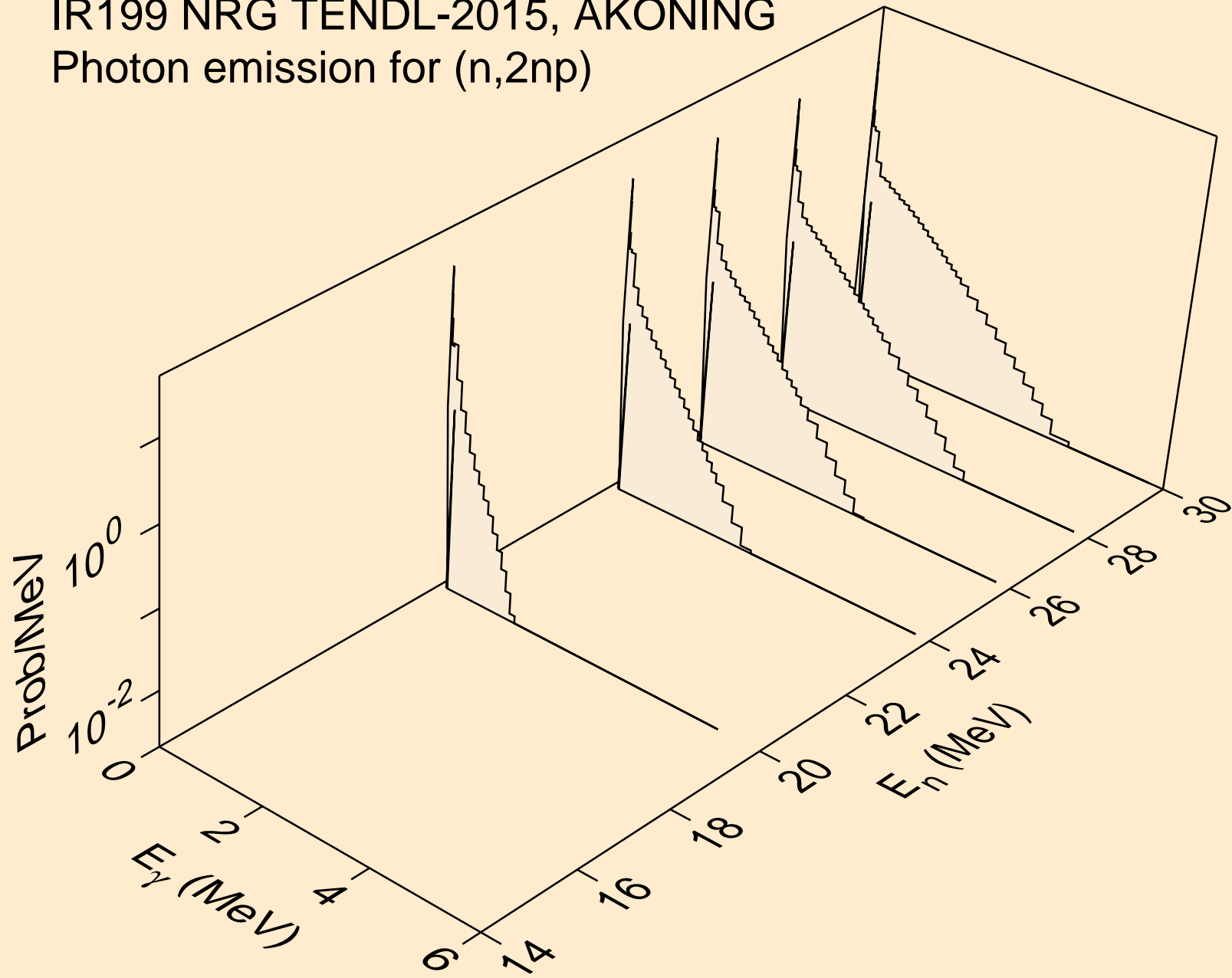
IR199 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



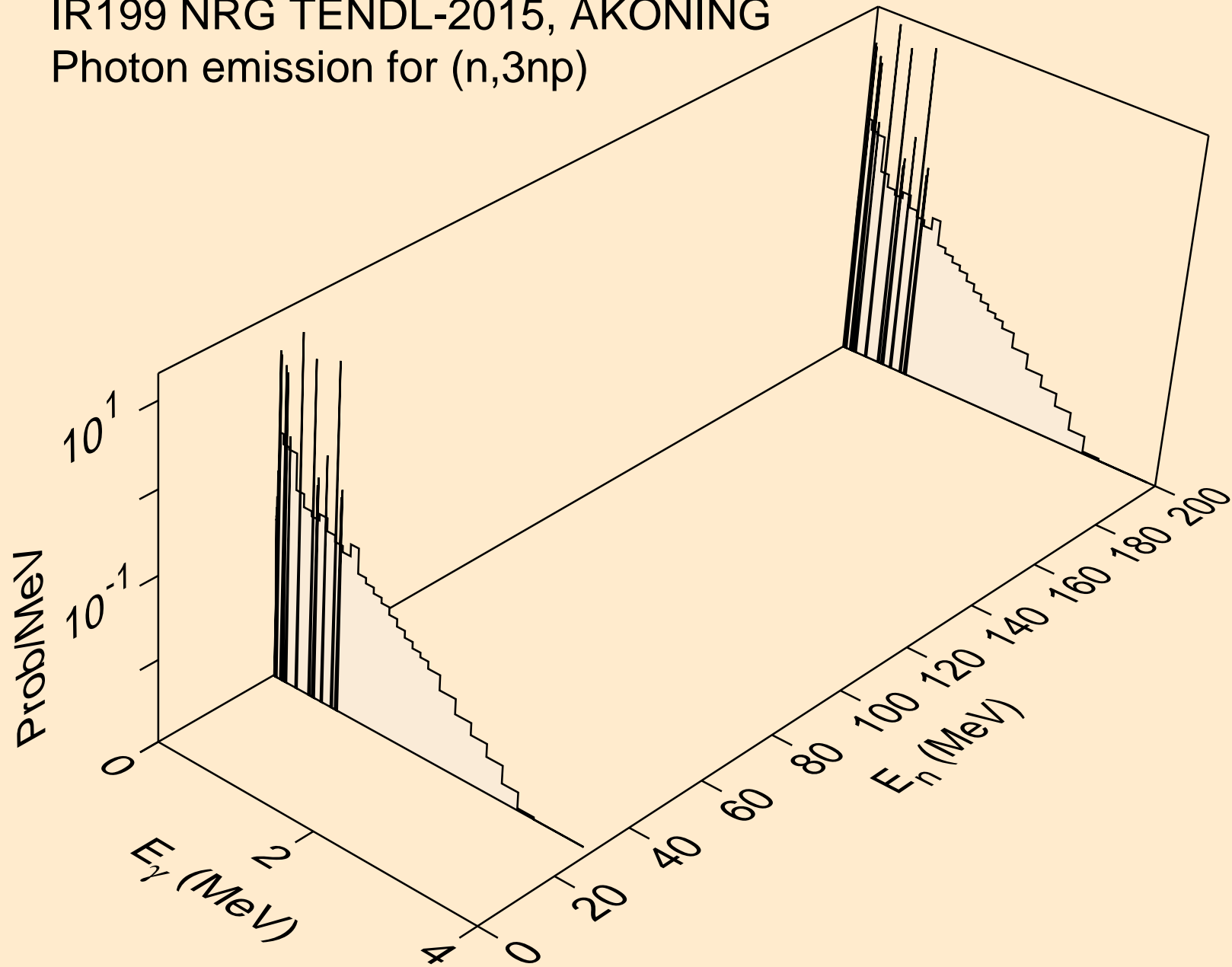
IR199 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



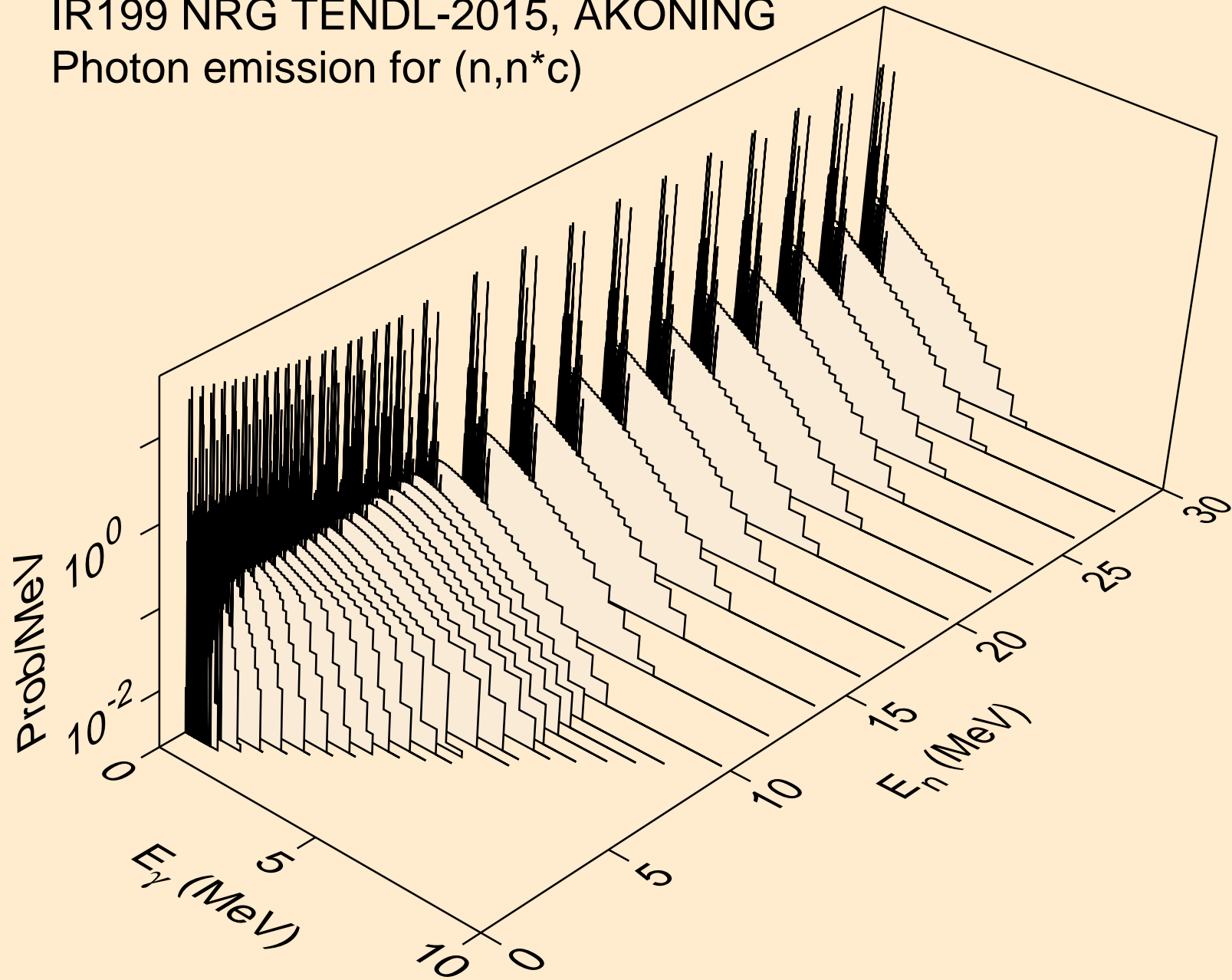
IR199 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



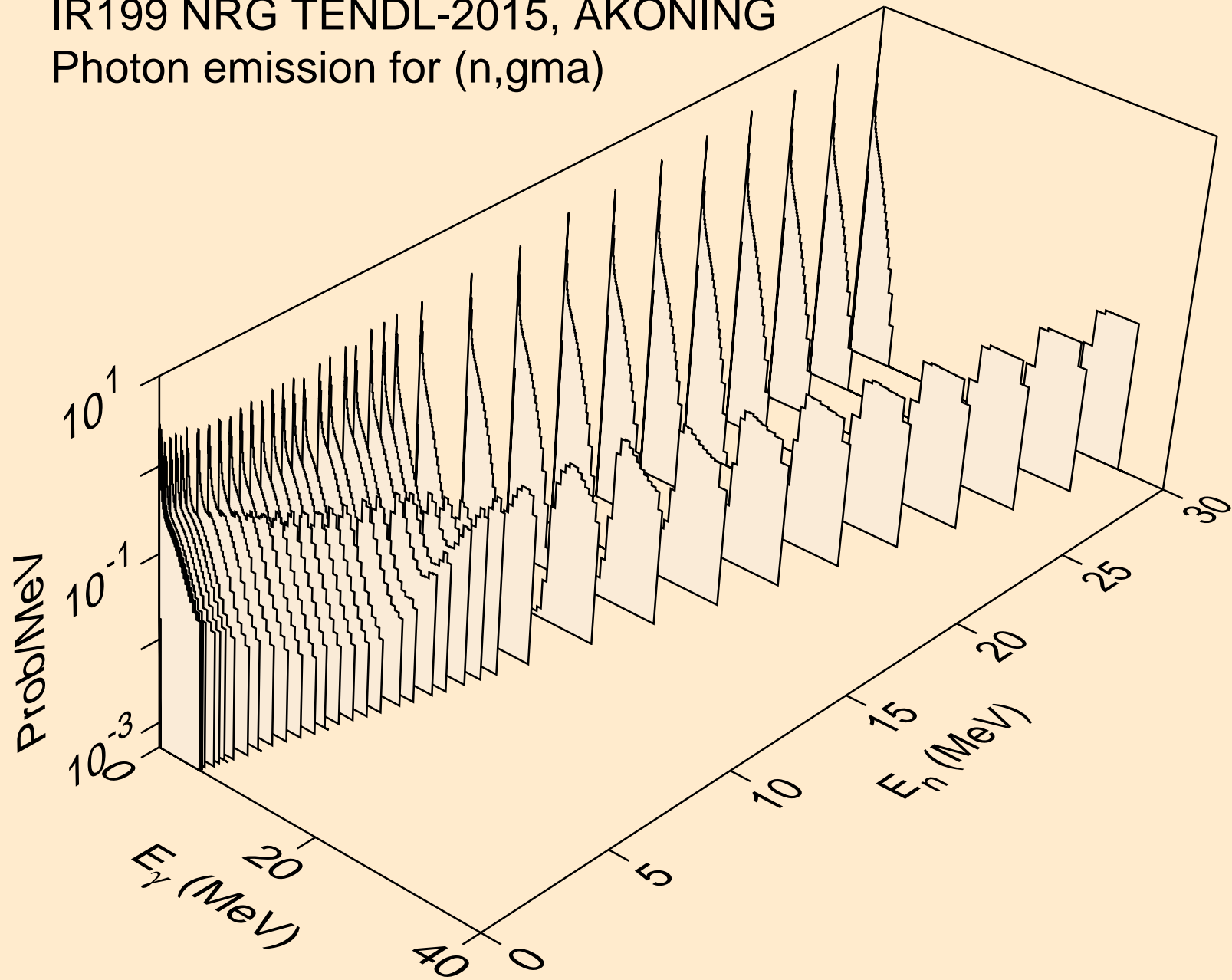
IR199 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



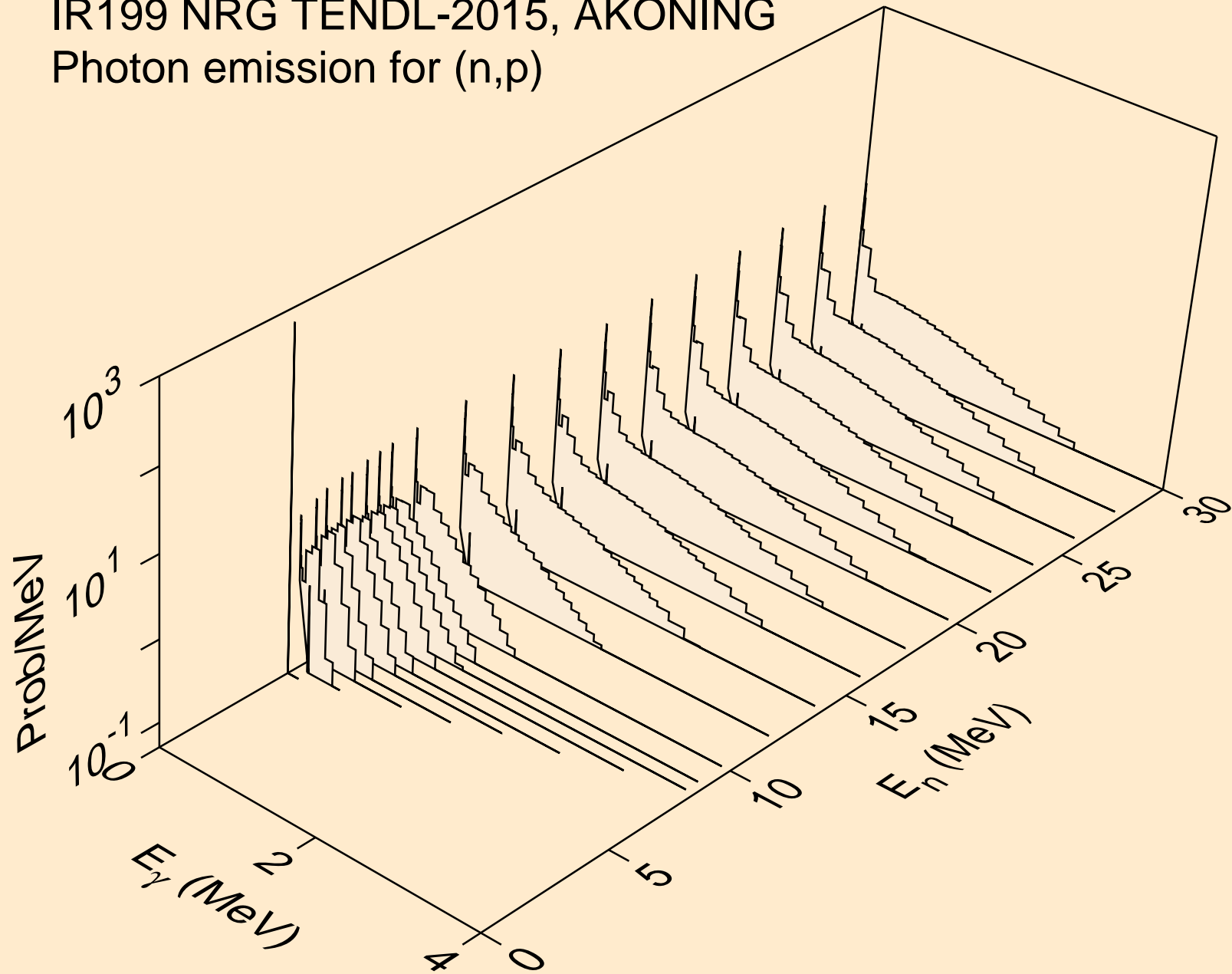
IR199 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



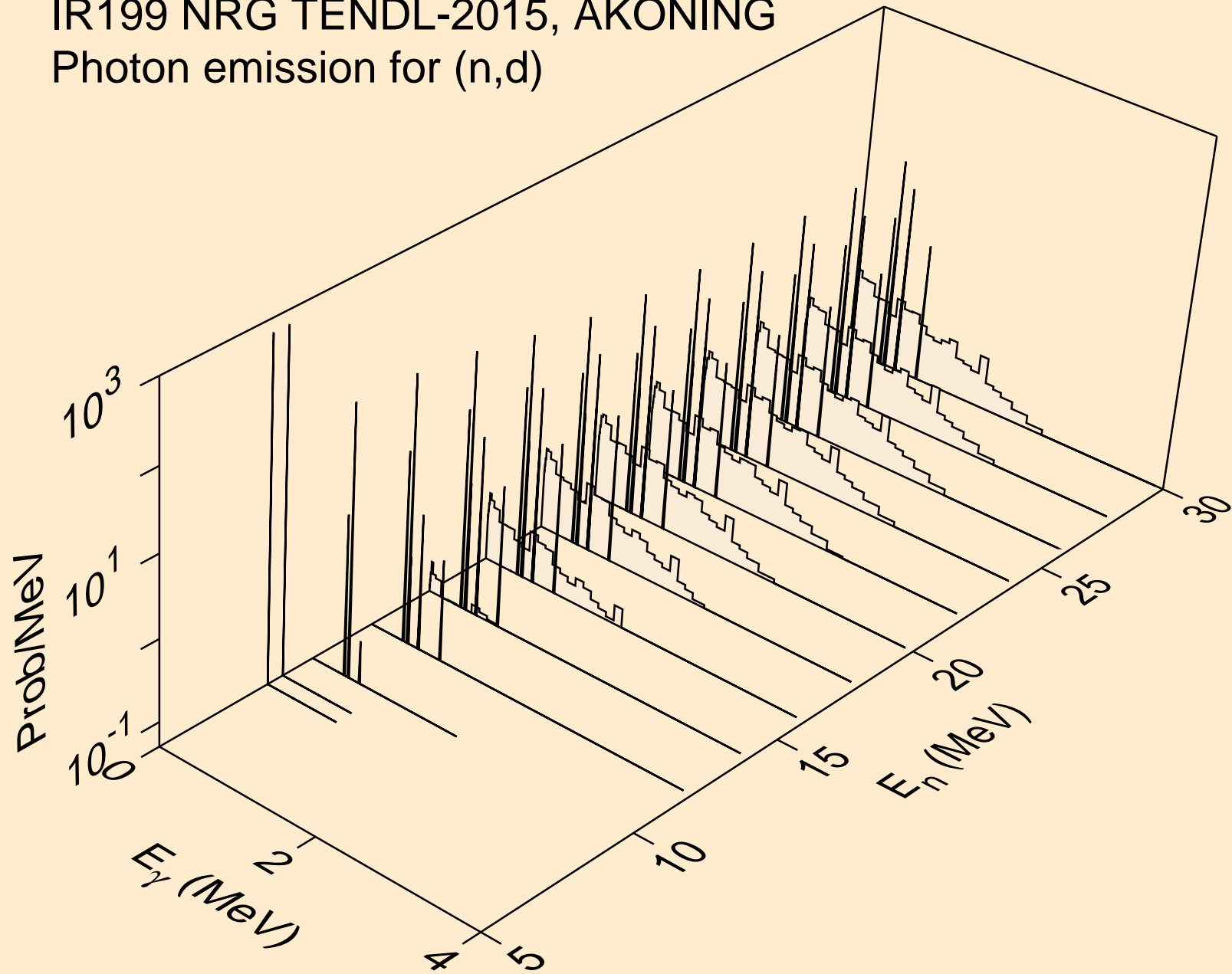
IR199 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



IR199 NRG TENDL-2015, AKONING  
Photon emission for (n,p)

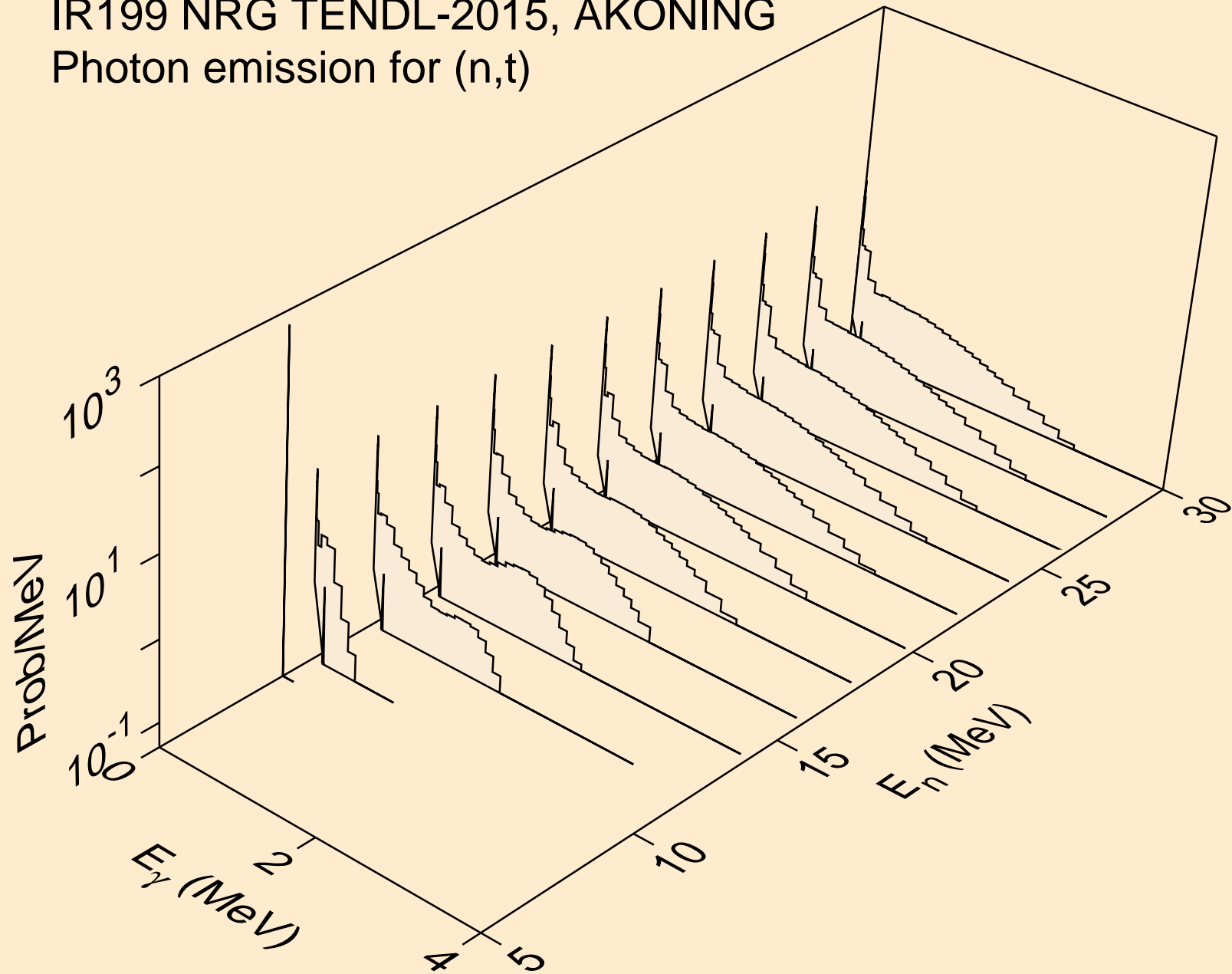


IR199 NRG TENDL-2015, AKONING  
Photon emission for (n,d)

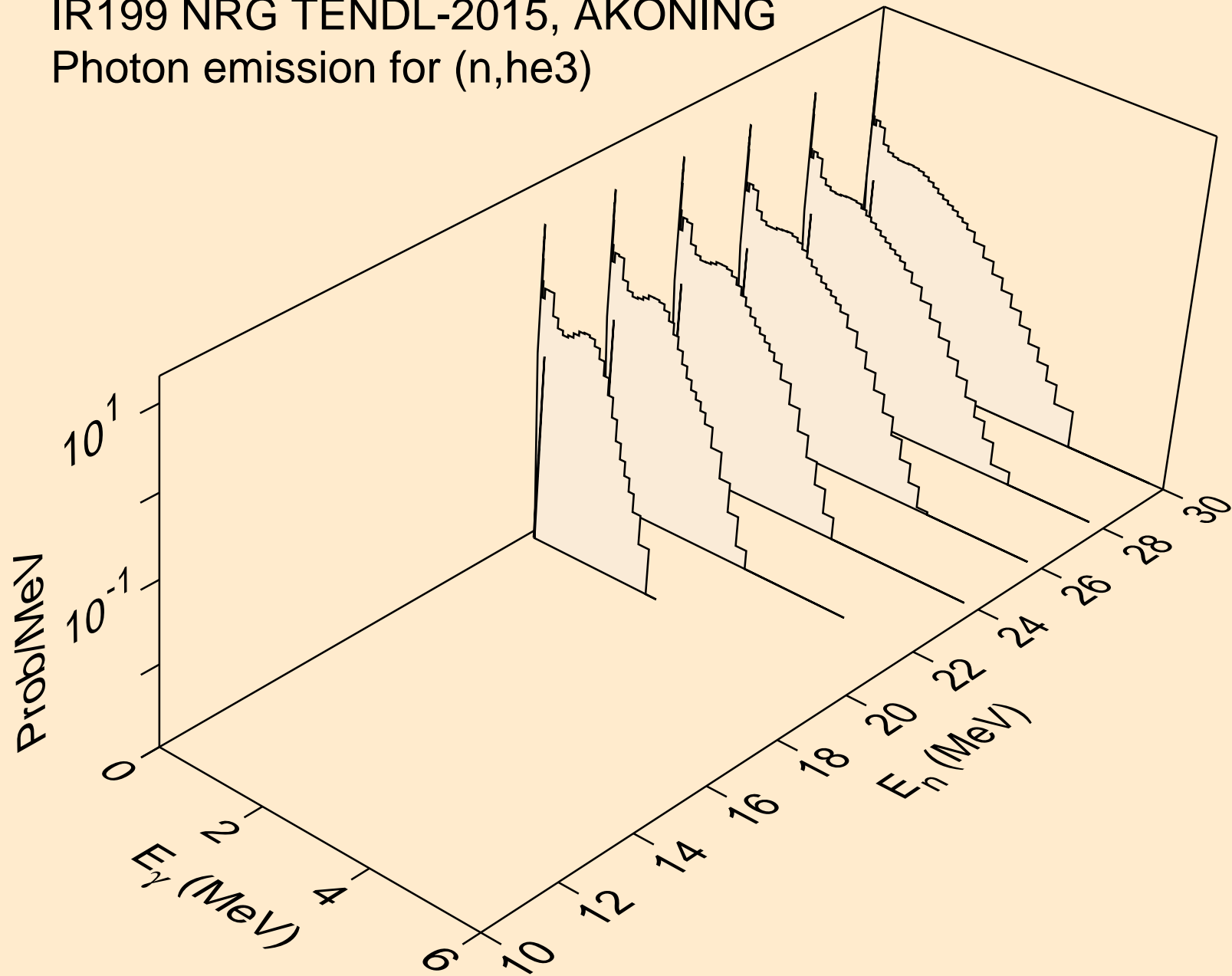




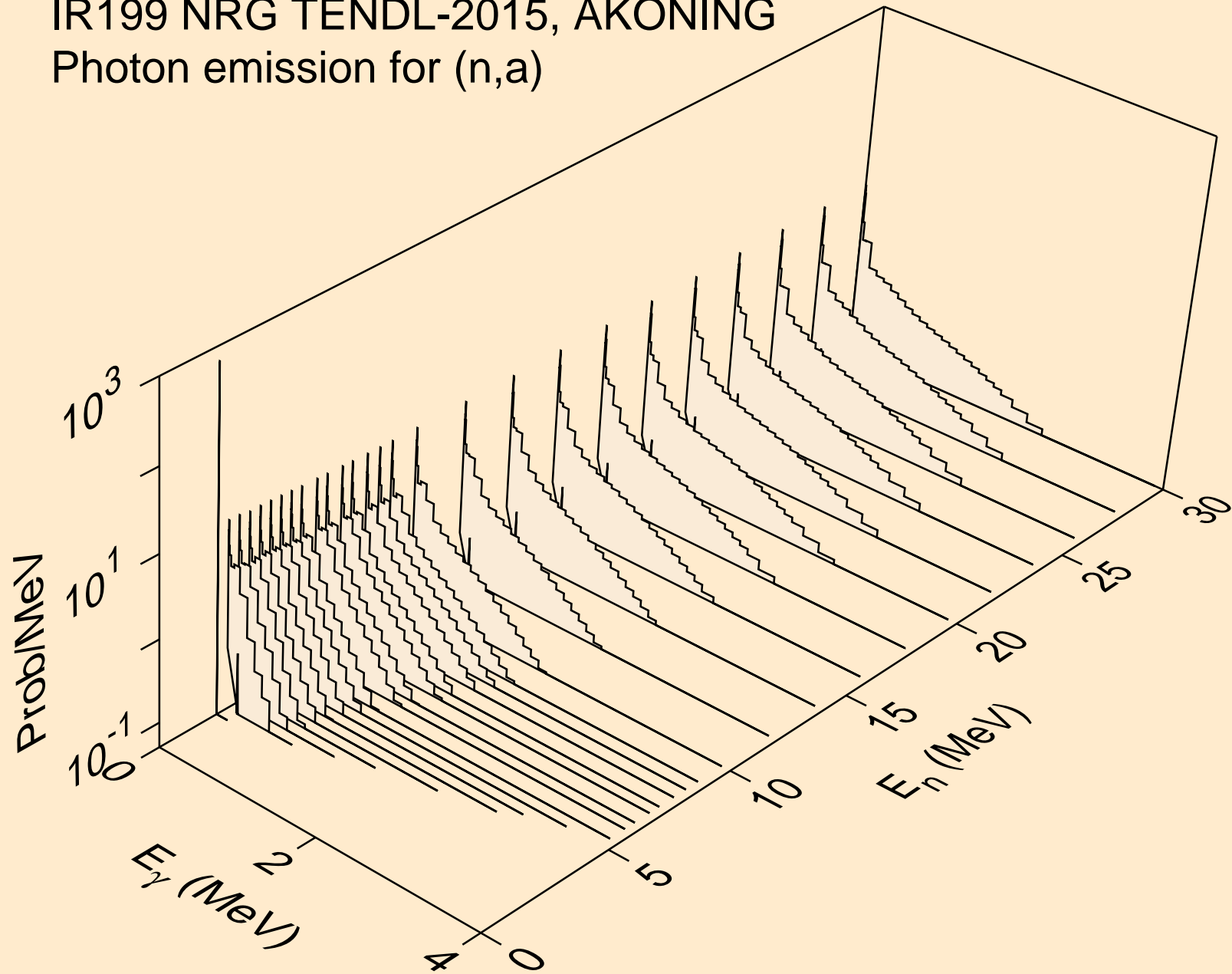
IR199 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



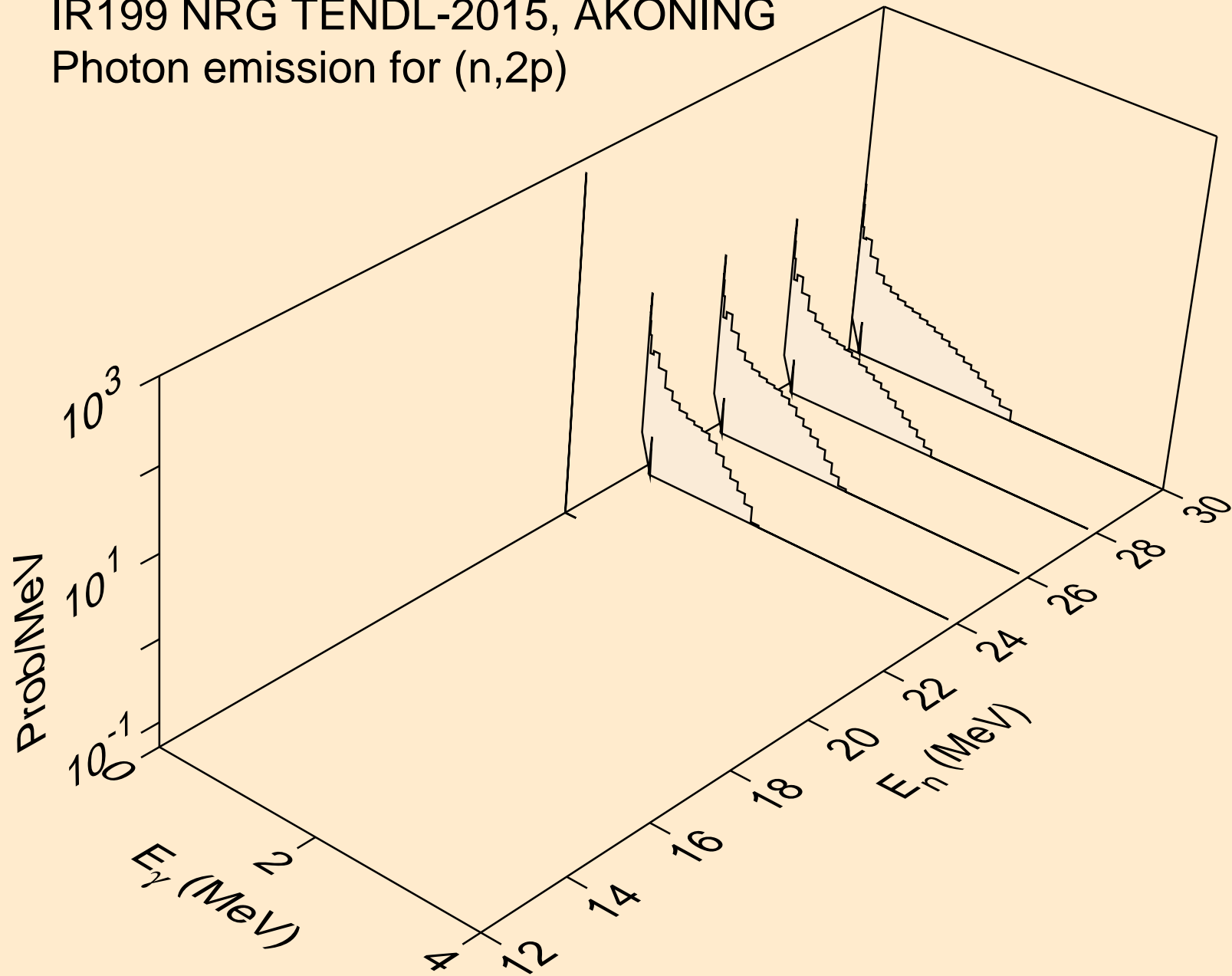
IR199 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



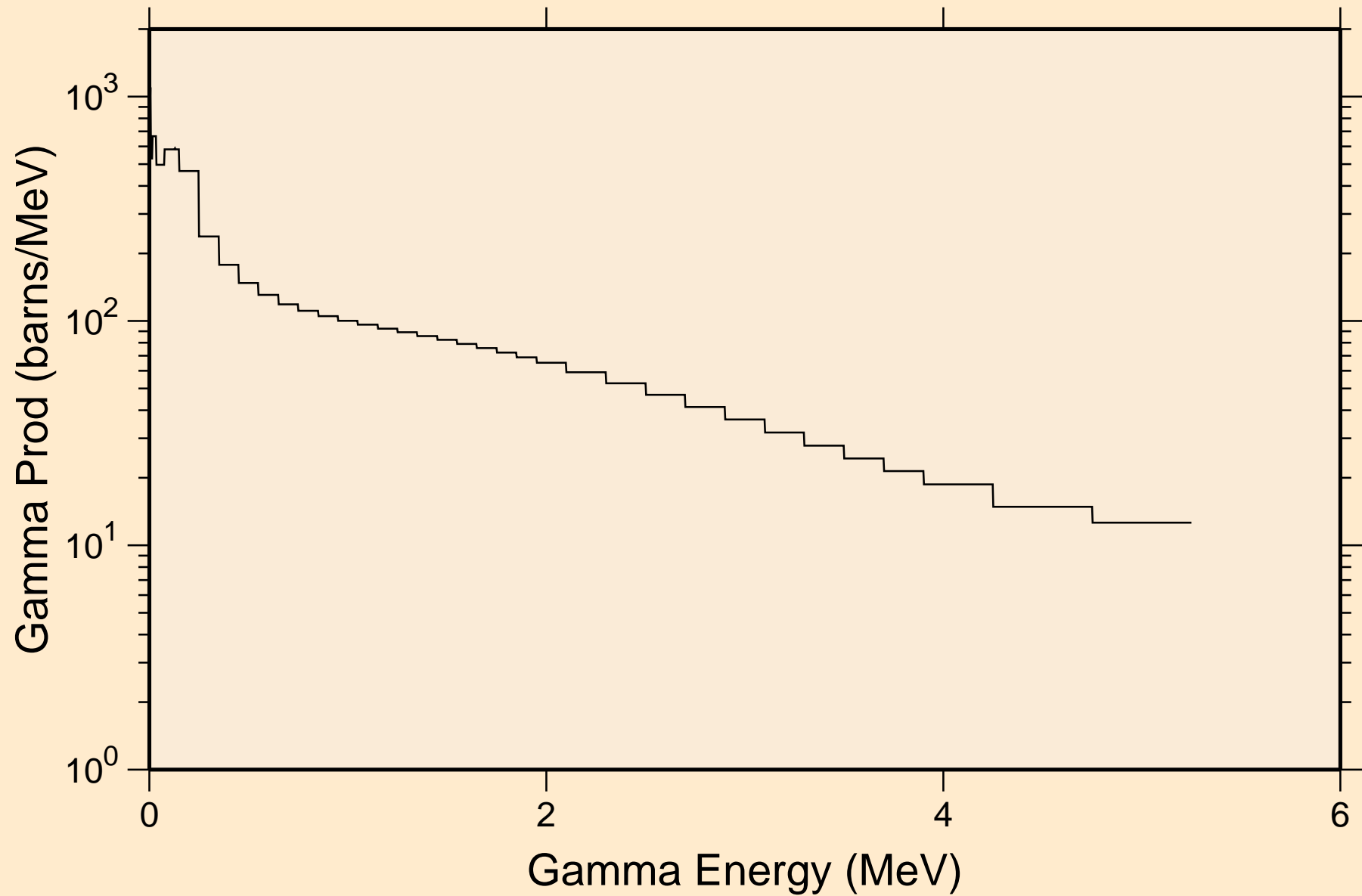
IR199 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



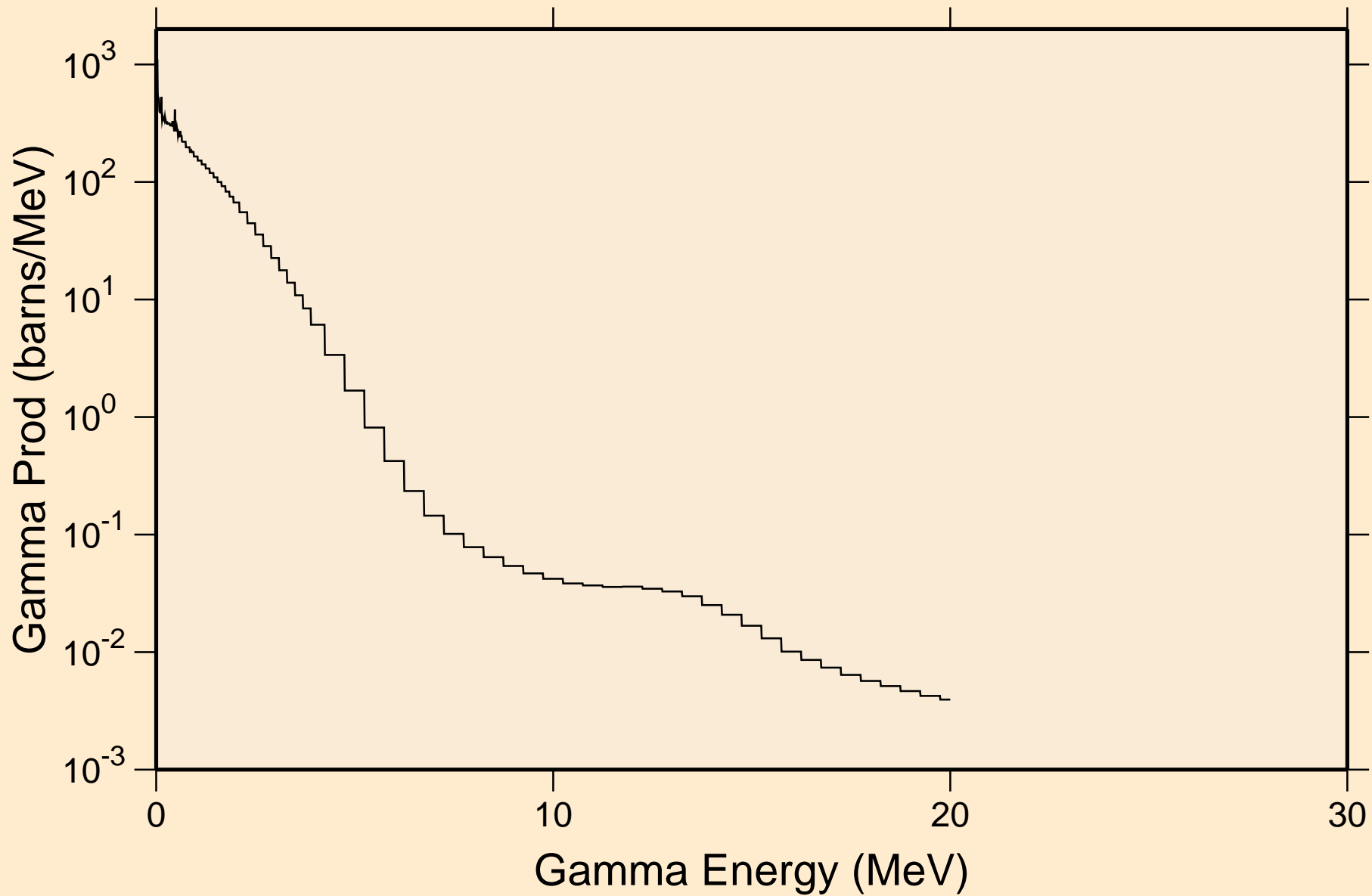
IR199 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



IR199 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

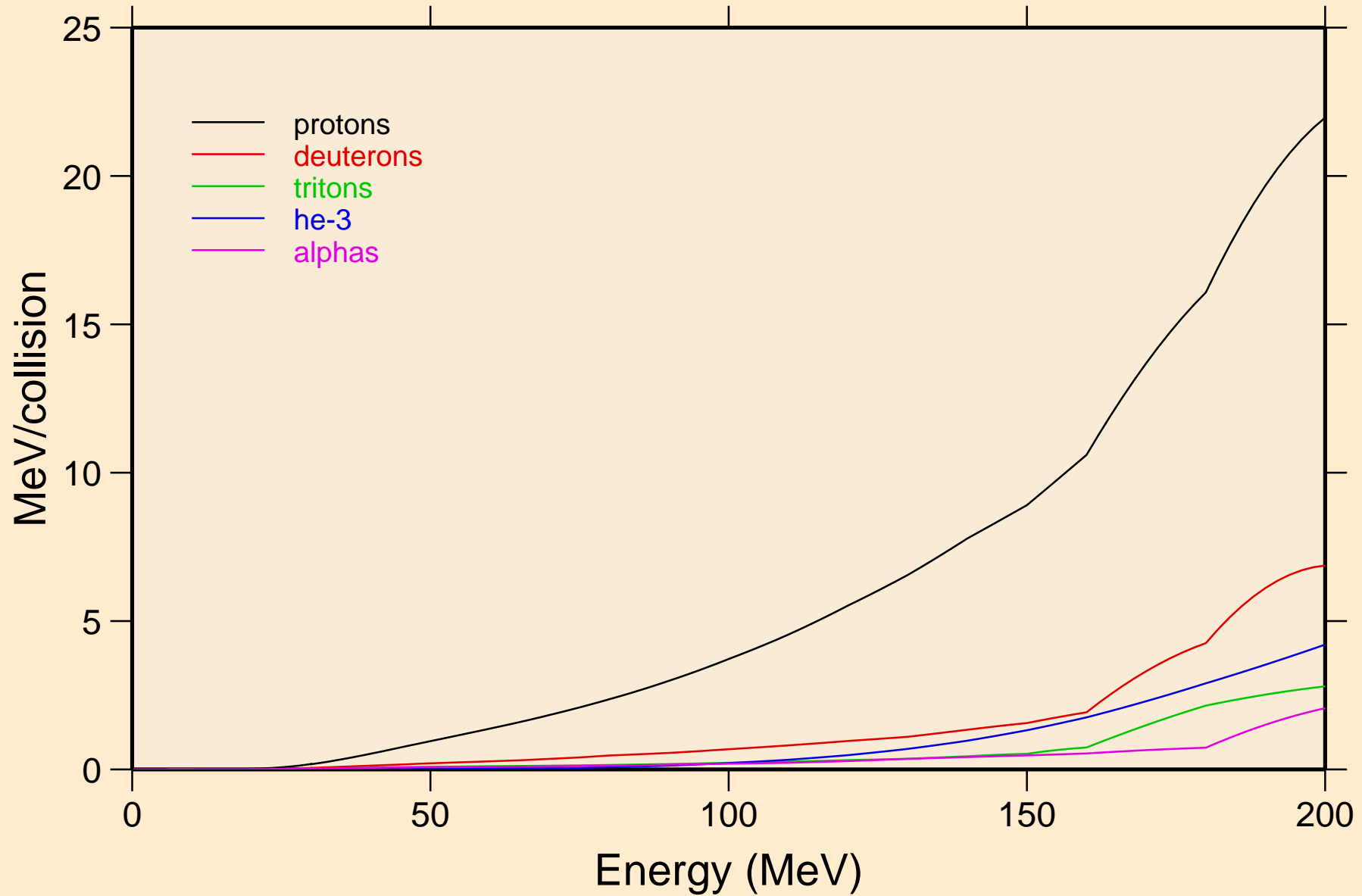


IR199 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



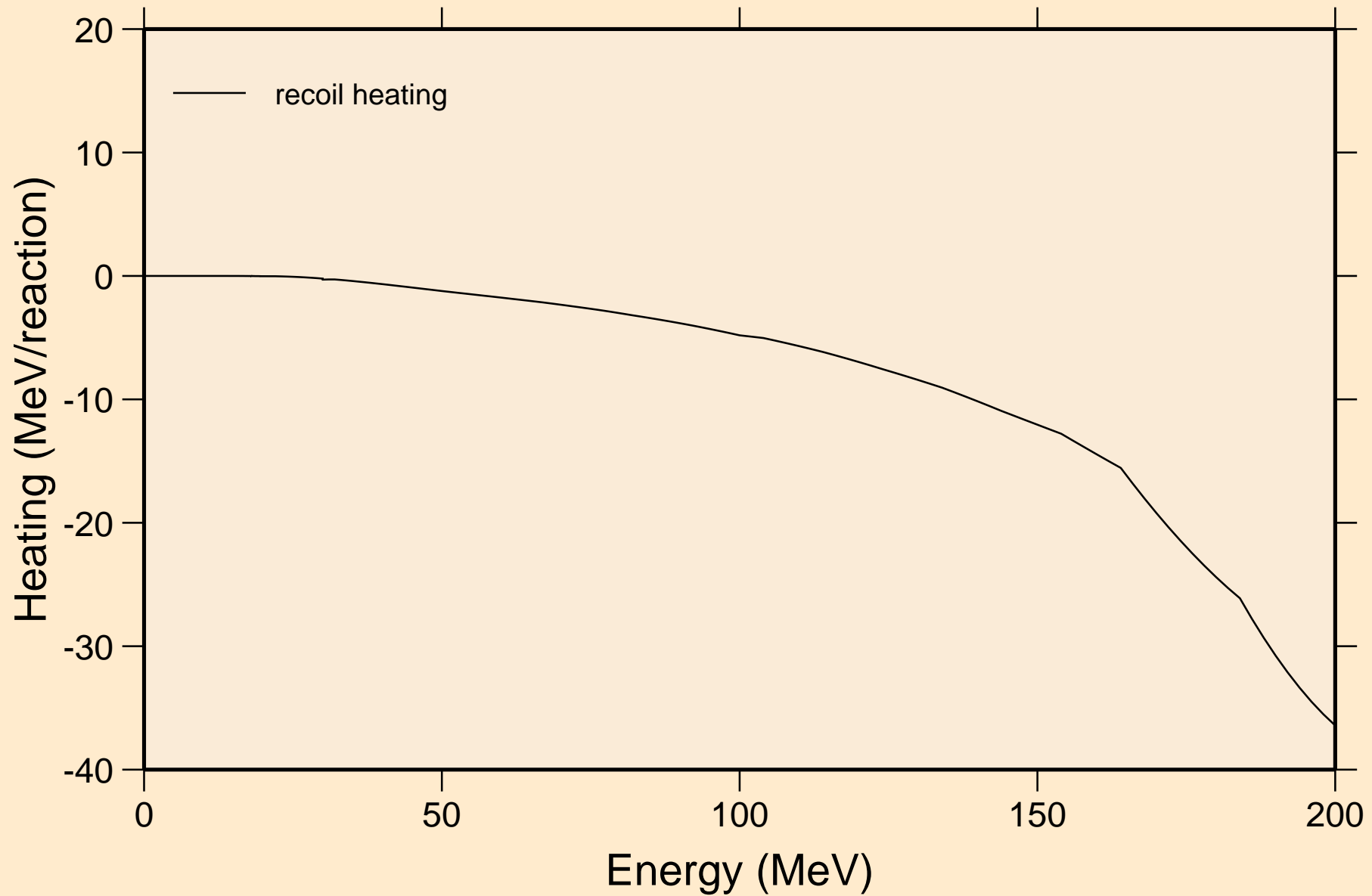
# IR199 NRG TENDL-2015, AKONING

## Particle heating contributions



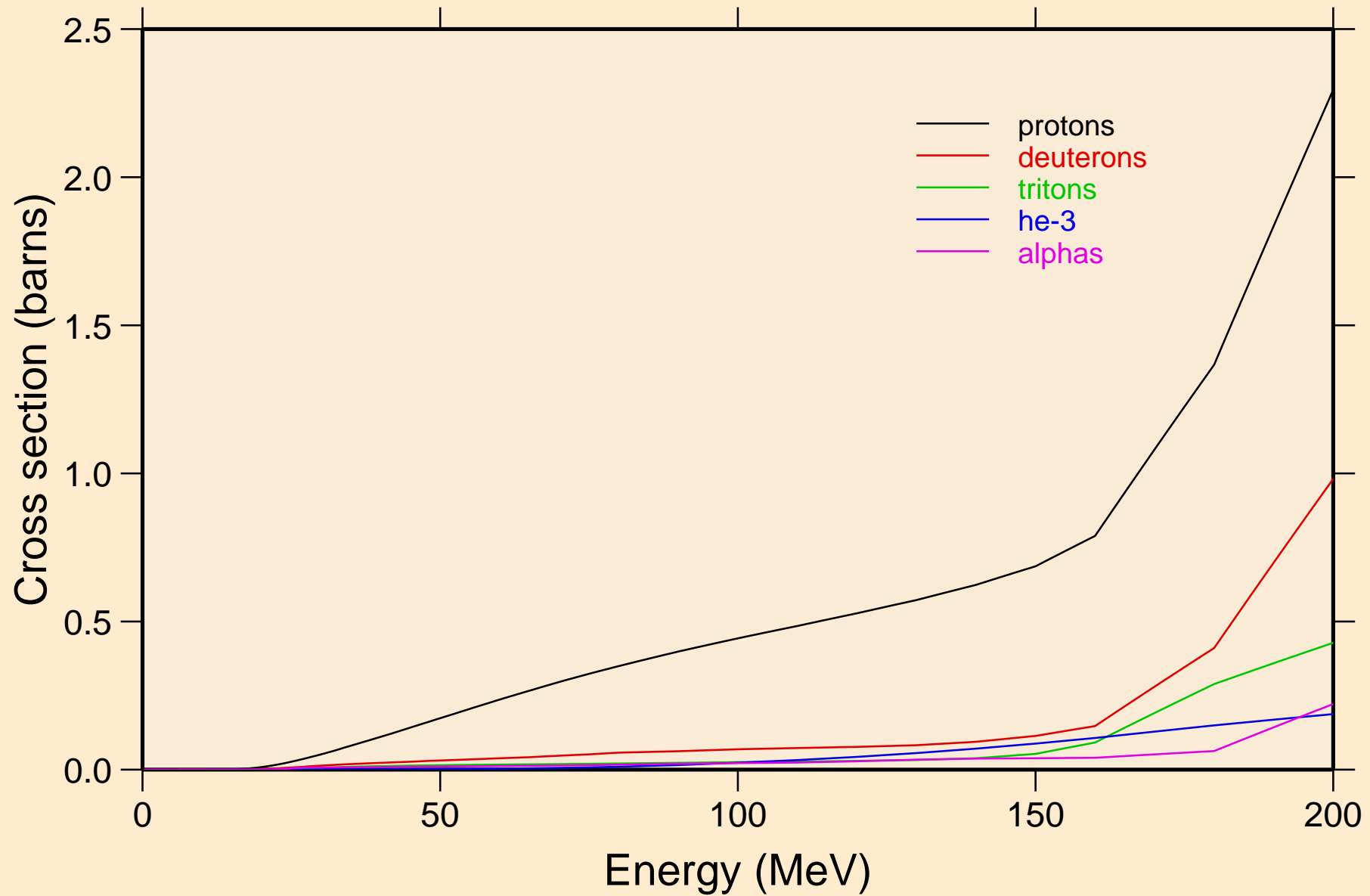
# IR199 NRG TENDL-2015, AKONING

## Recoil Heating

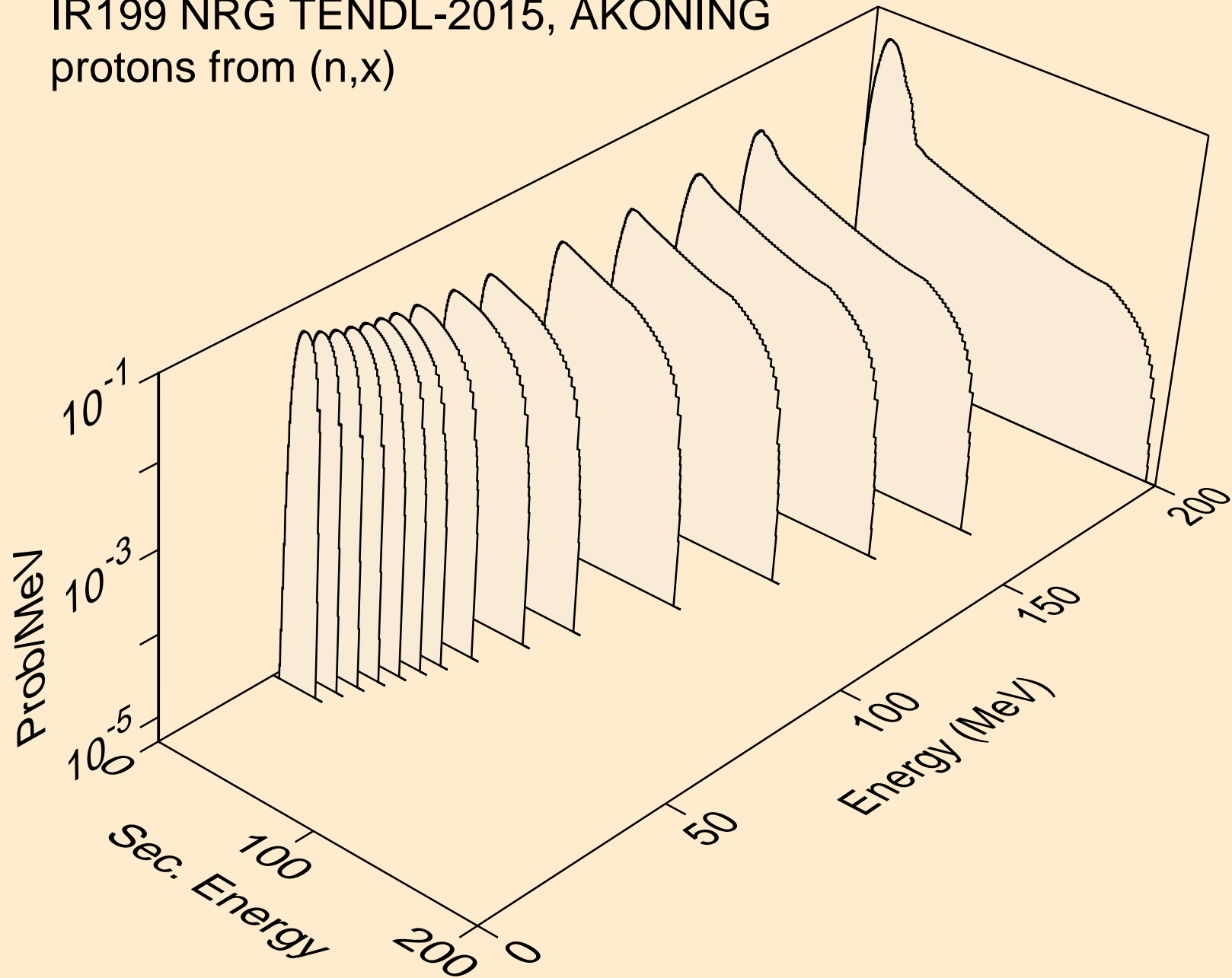




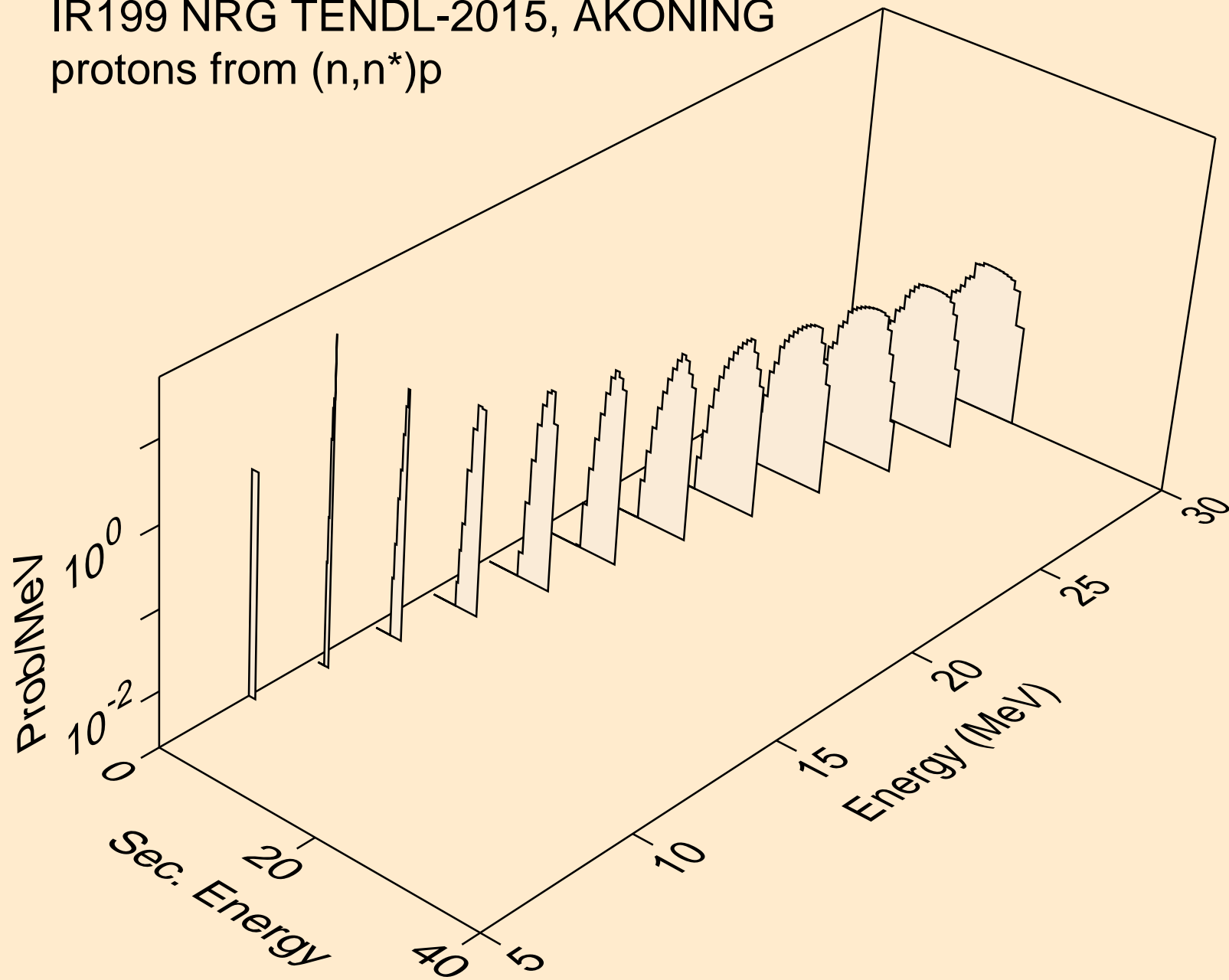
IR199 NRG TENDL-2015, AKONING  
Particle production cross sections



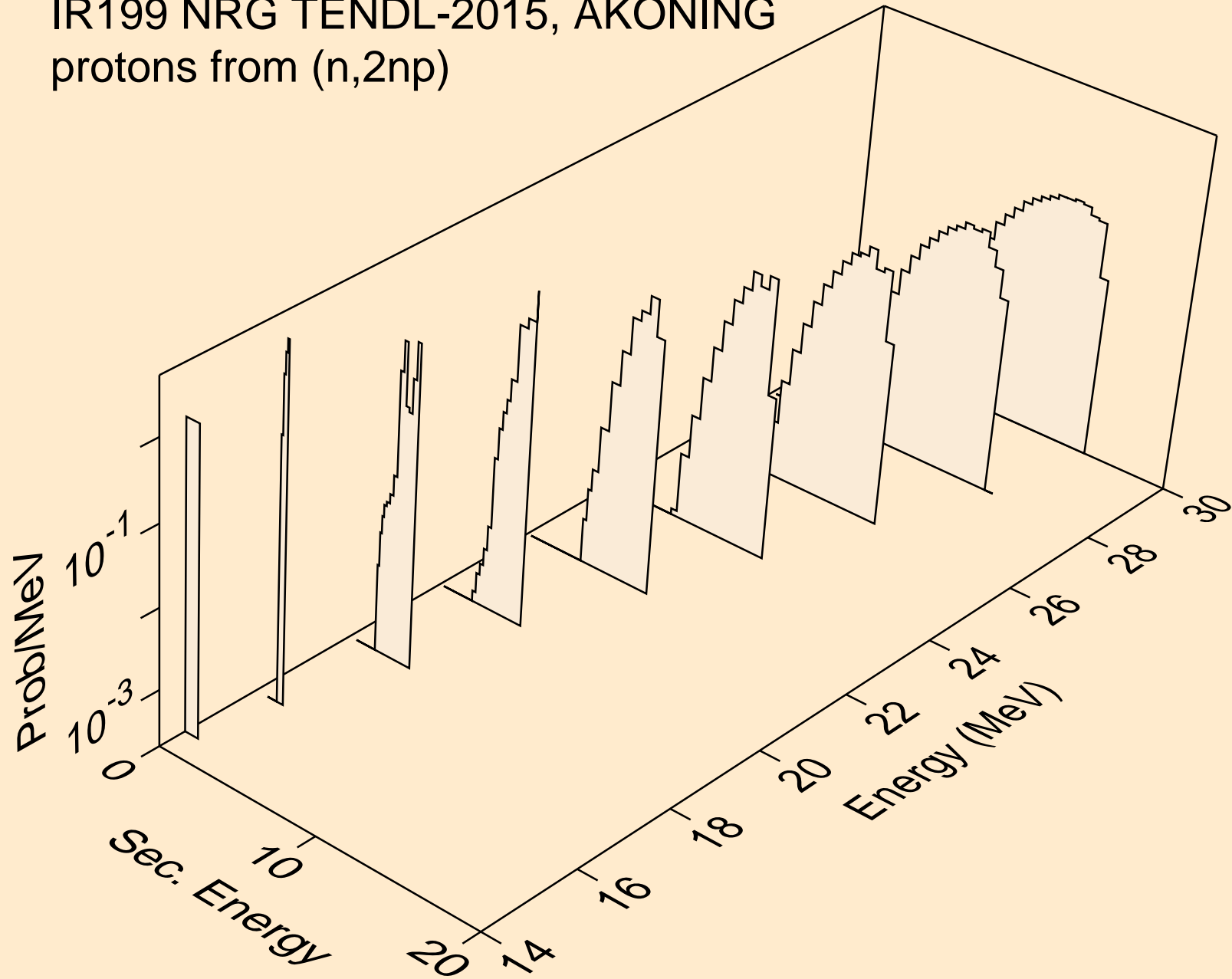
IR199 NRG TENDL-2015, AKONING  
protons from (n,x)



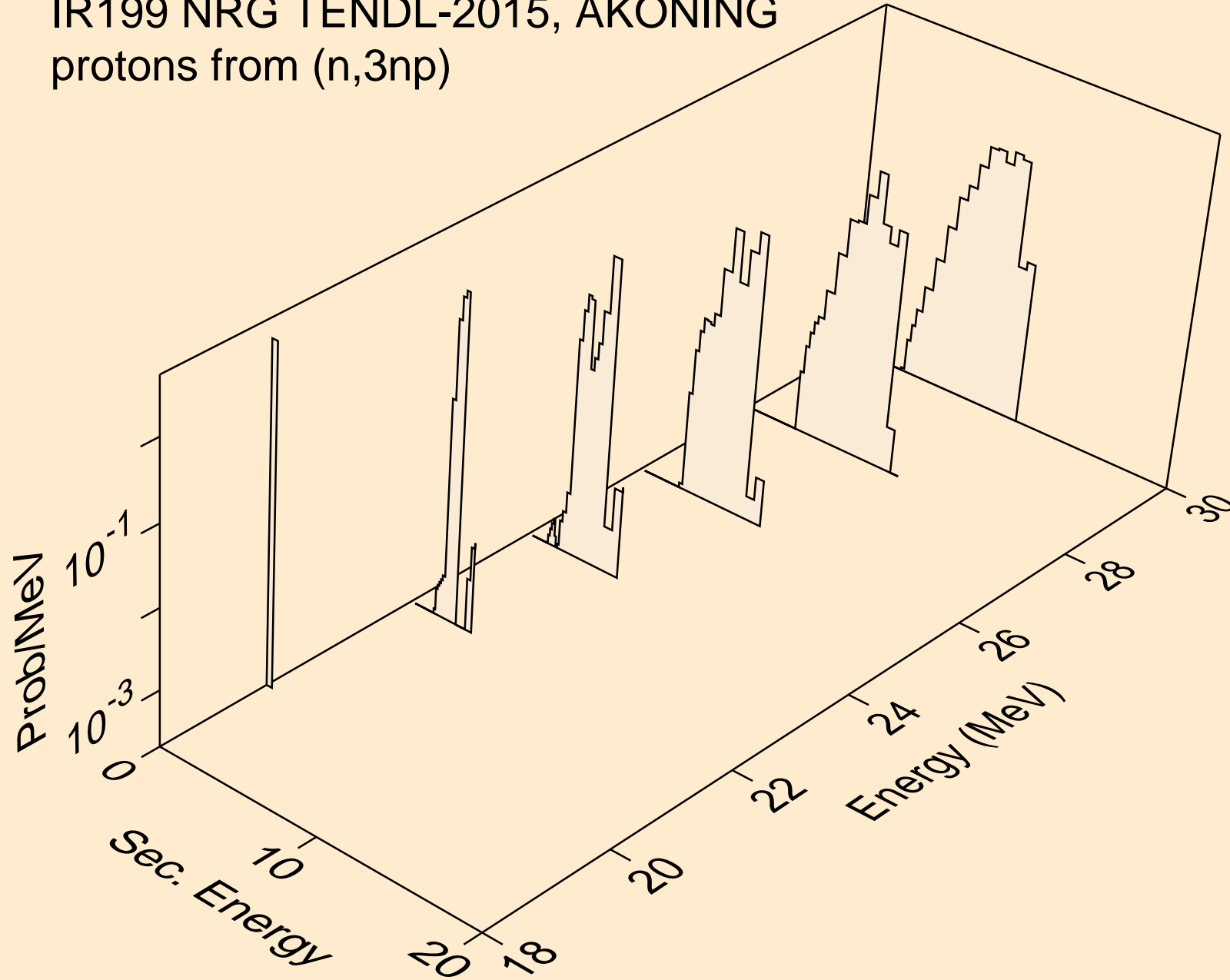
IR199 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



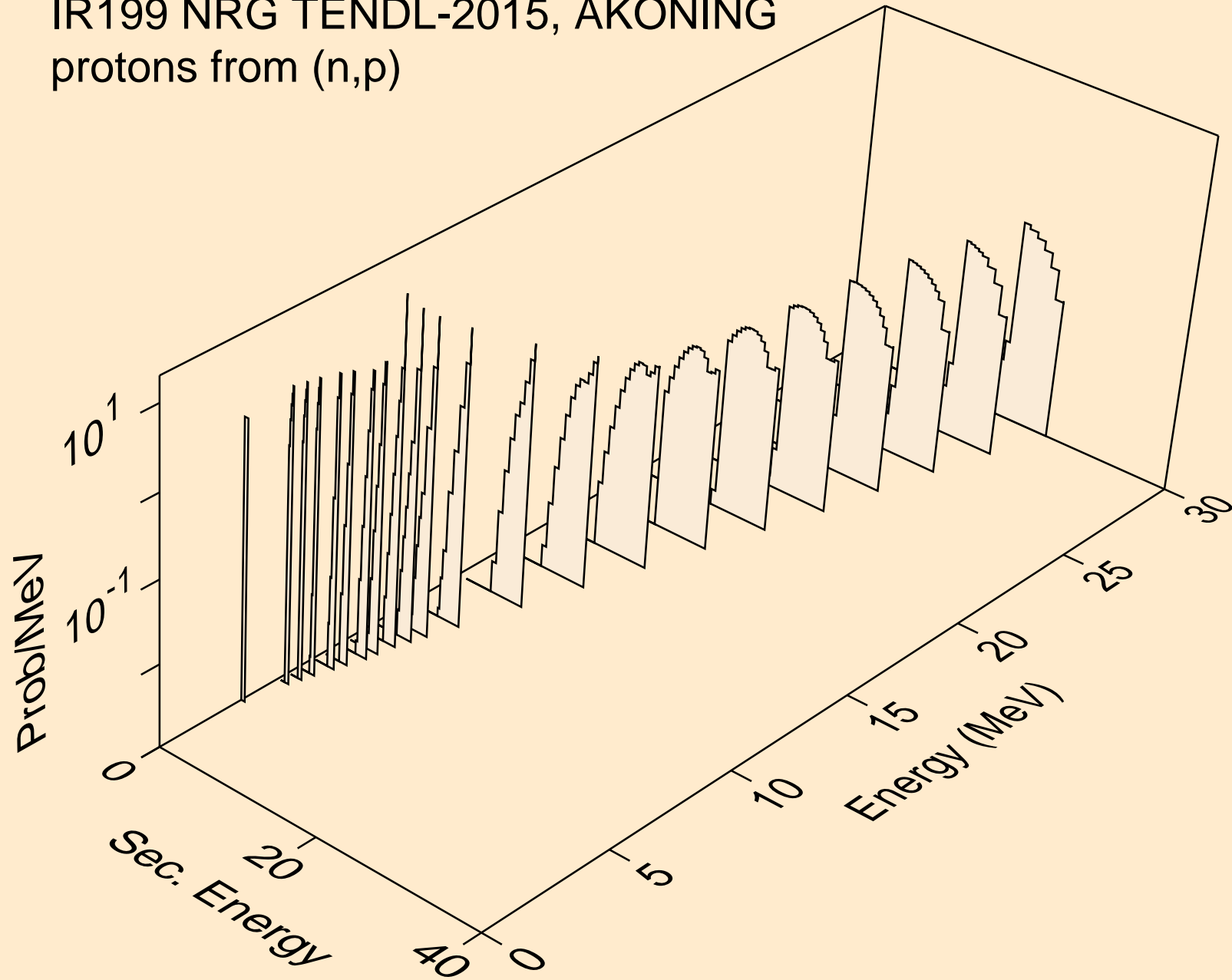
IR199 NRG TENDL-2015, AKONING  
protons from (n,2np)



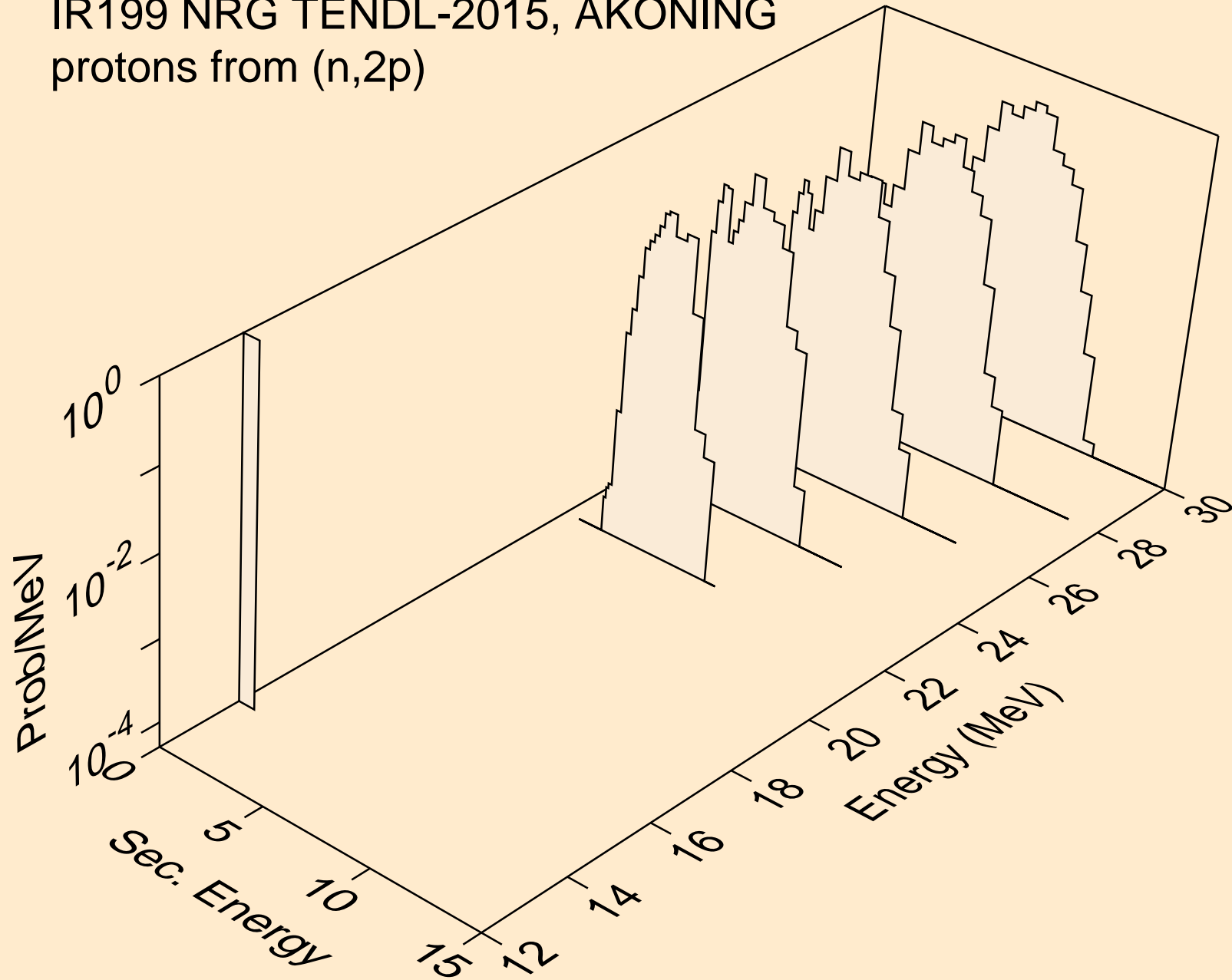
IR199 NRG TENDL-2015, AKONING  
protons from (n,3np)



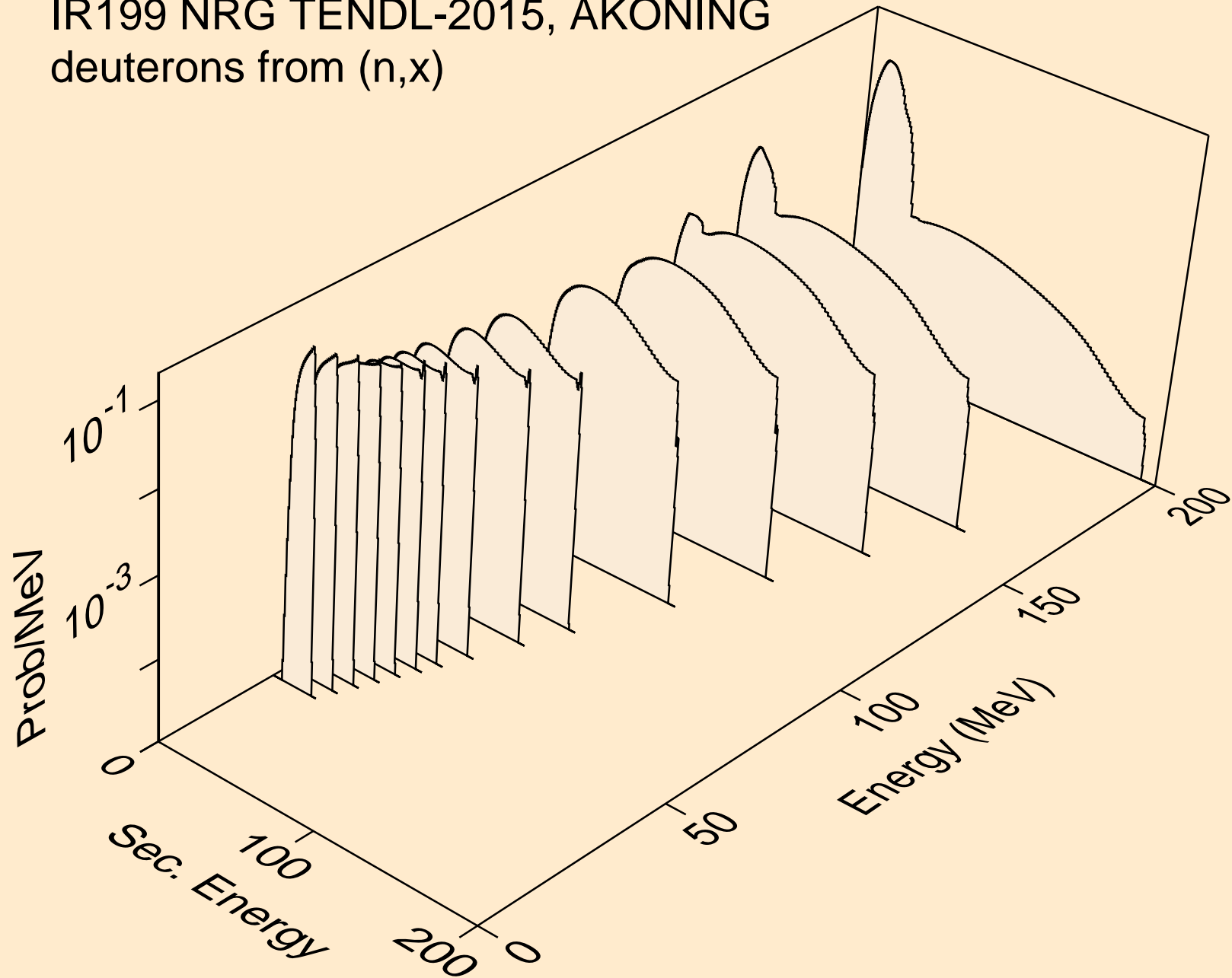
IR199 NRG TENDL-2015, AKONING  
protons from (n,p)



IR199 NRG TENDL-2015, AKONING  
protons from (n,2p)

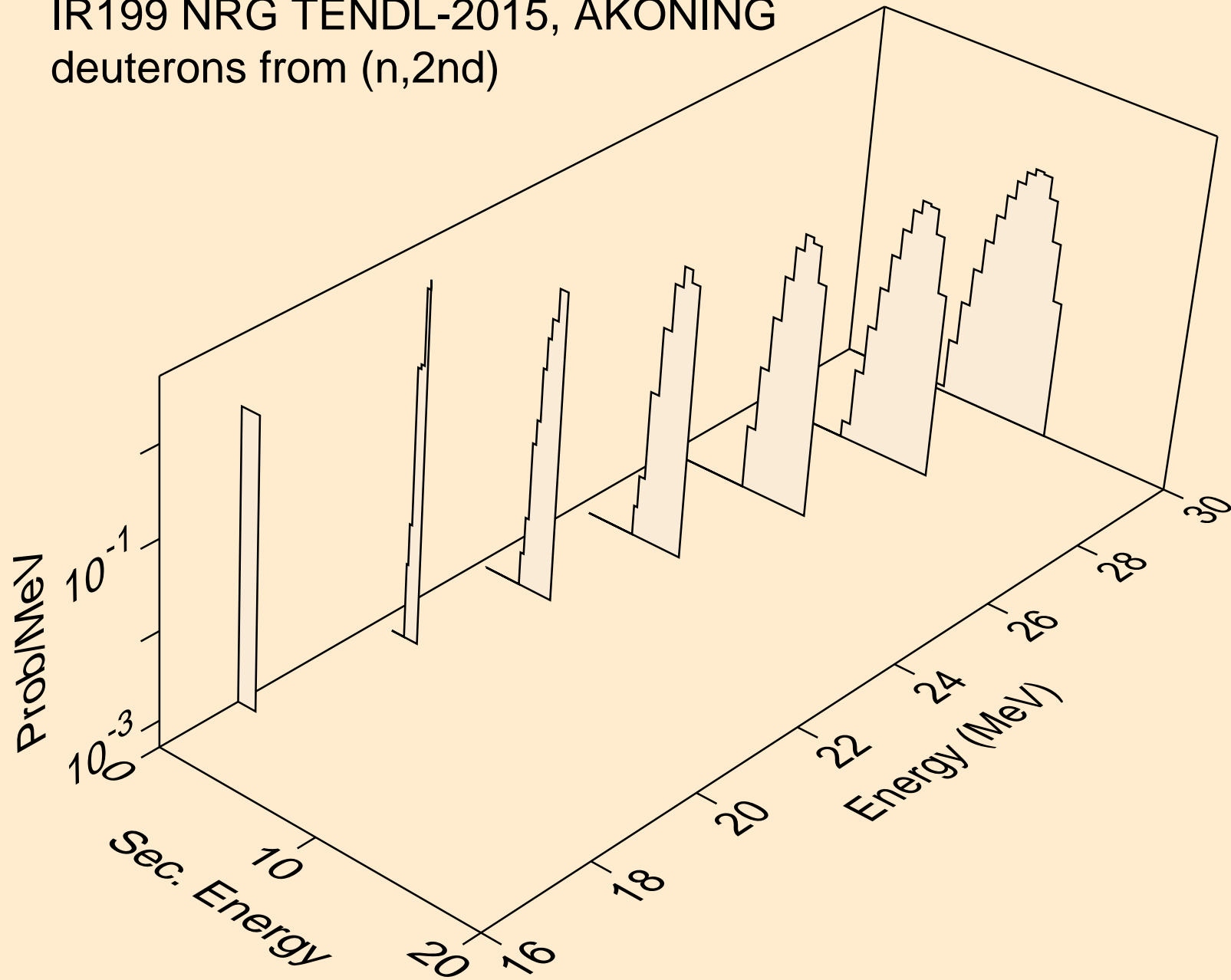


IR199 NRG TENDL-2015, AKONING  
deuterons from (n,x)

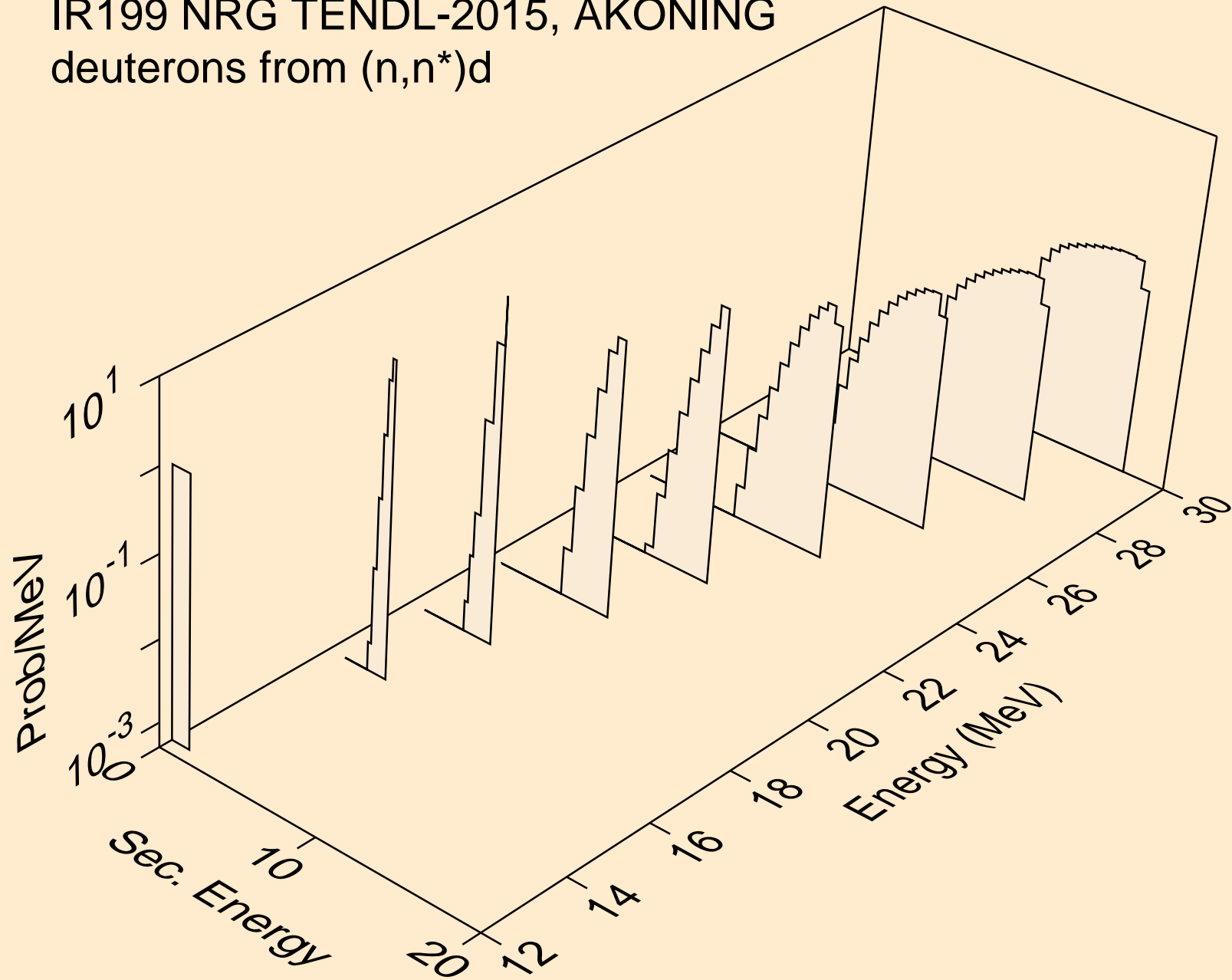




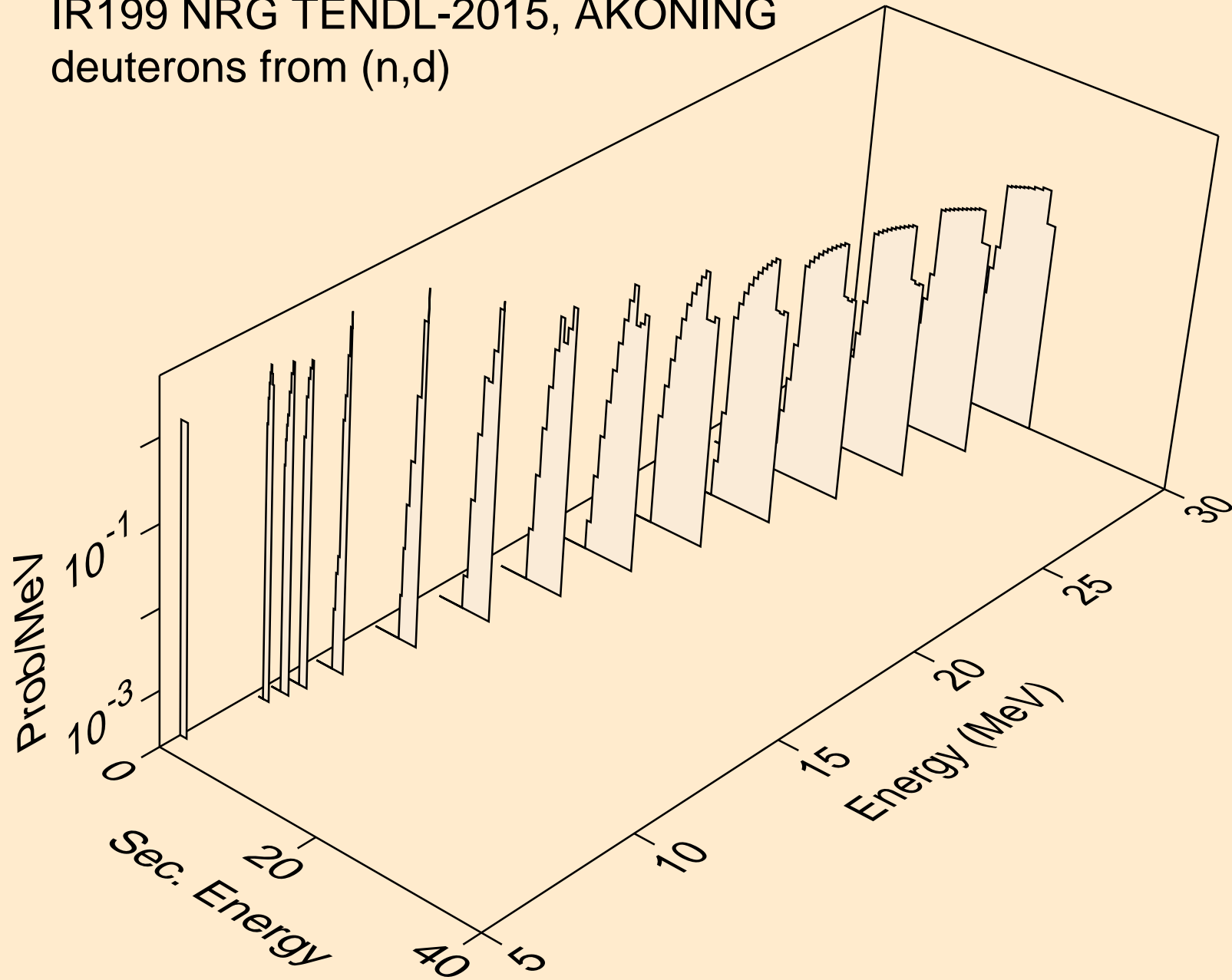
IR199 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



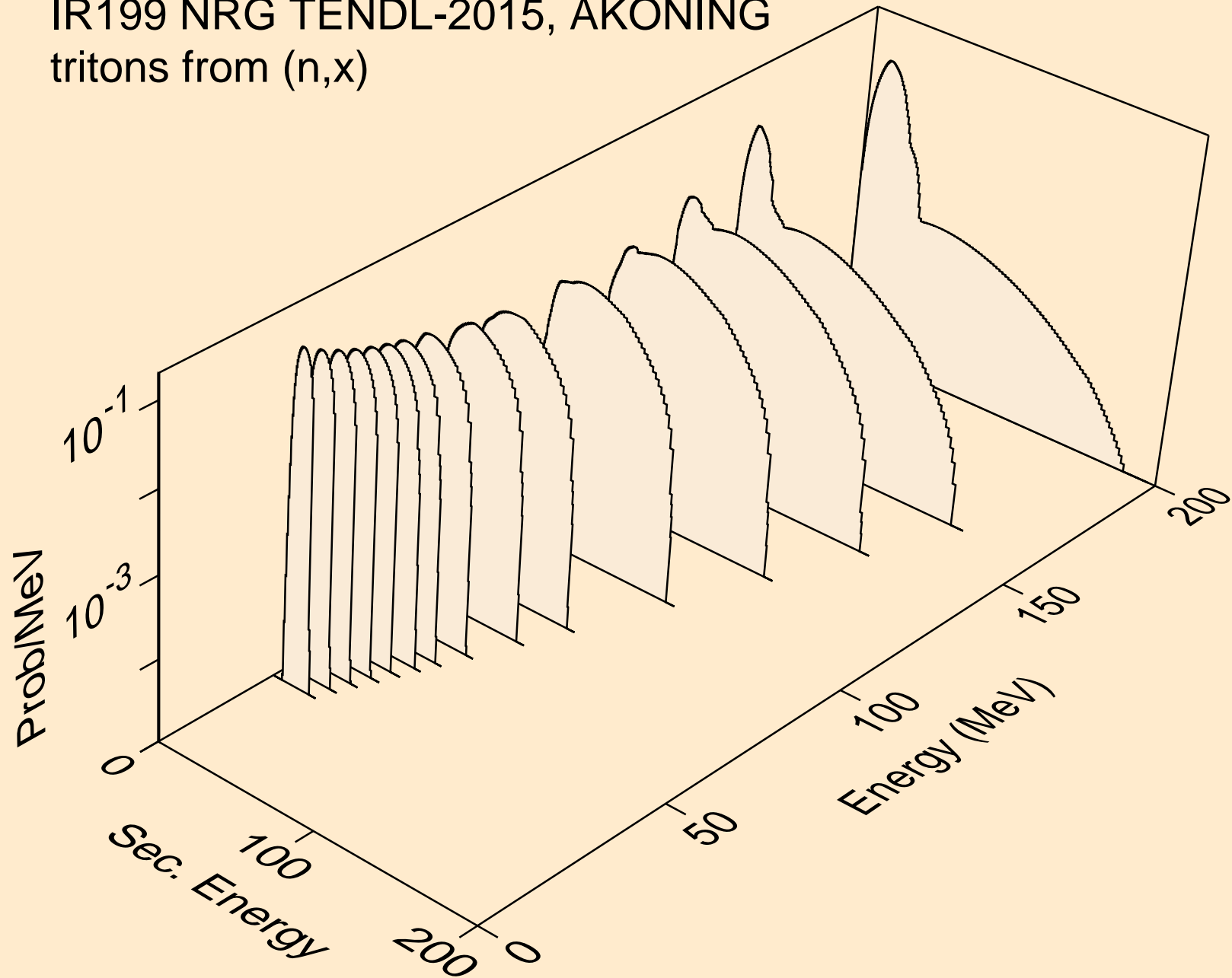
IR199 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



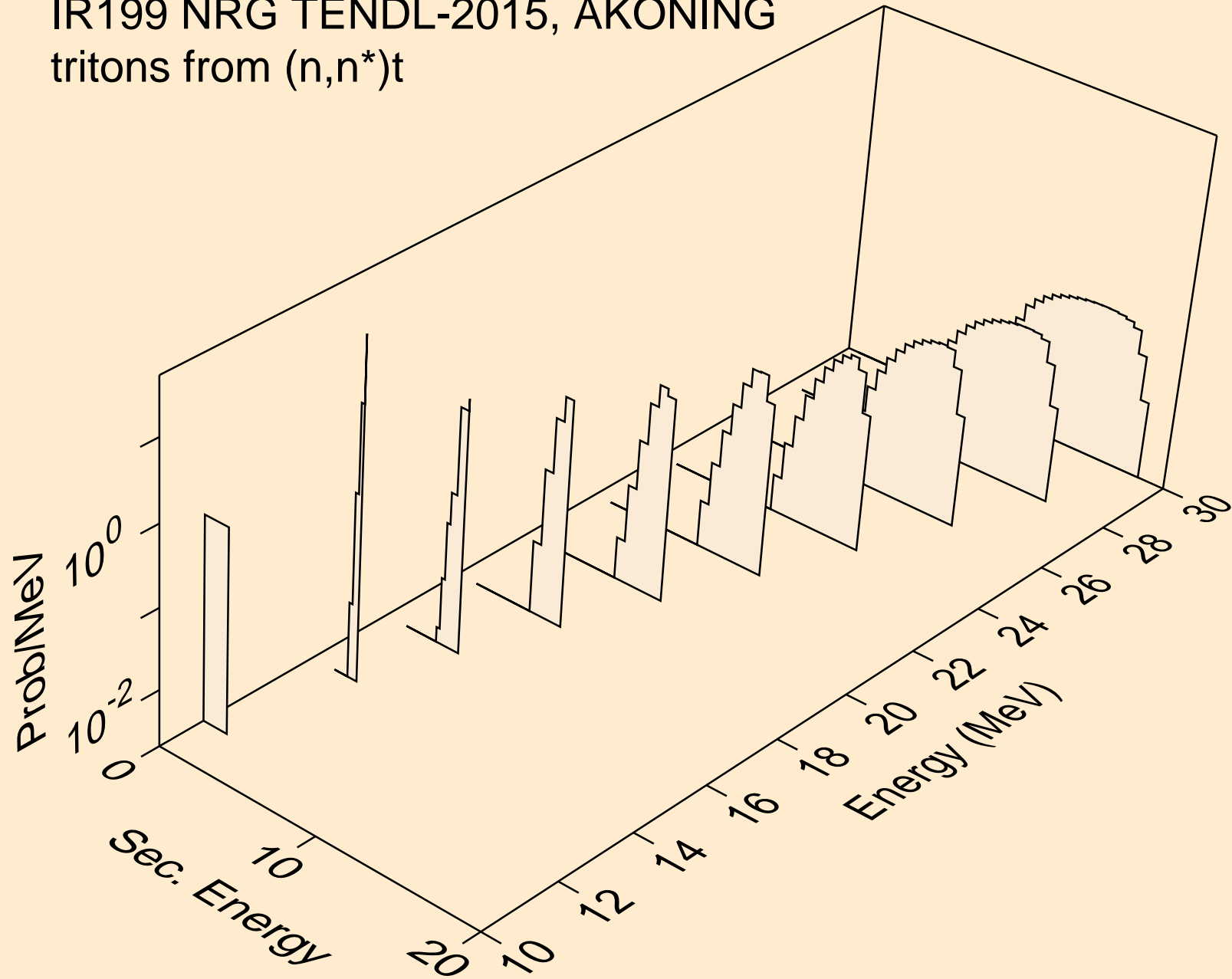
IR199 NRG TENDL-2015, AKONING  
deuterons from (n,d)



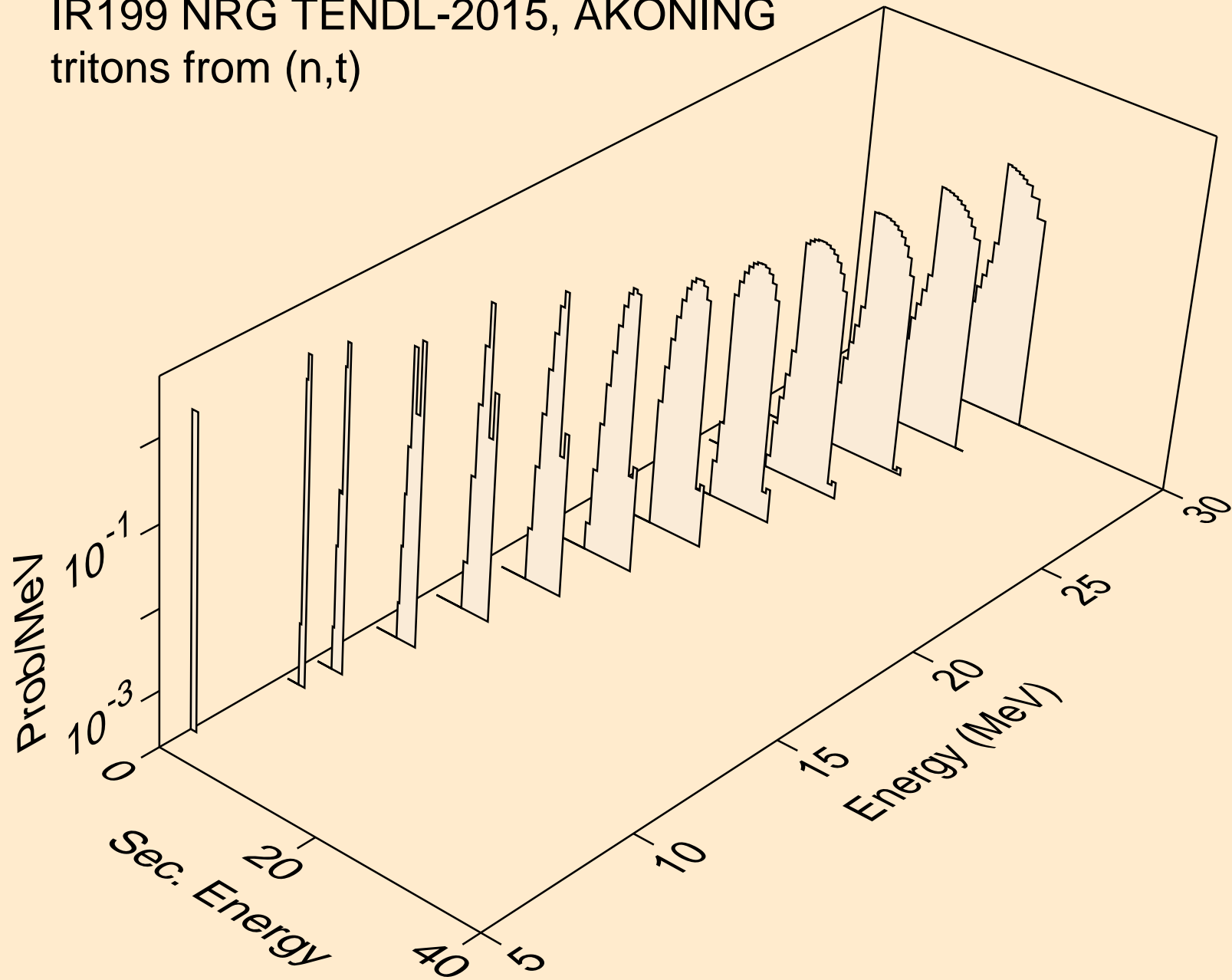
IR199 NRG TENDL-2015, AKONING  
tritons from (n,x)



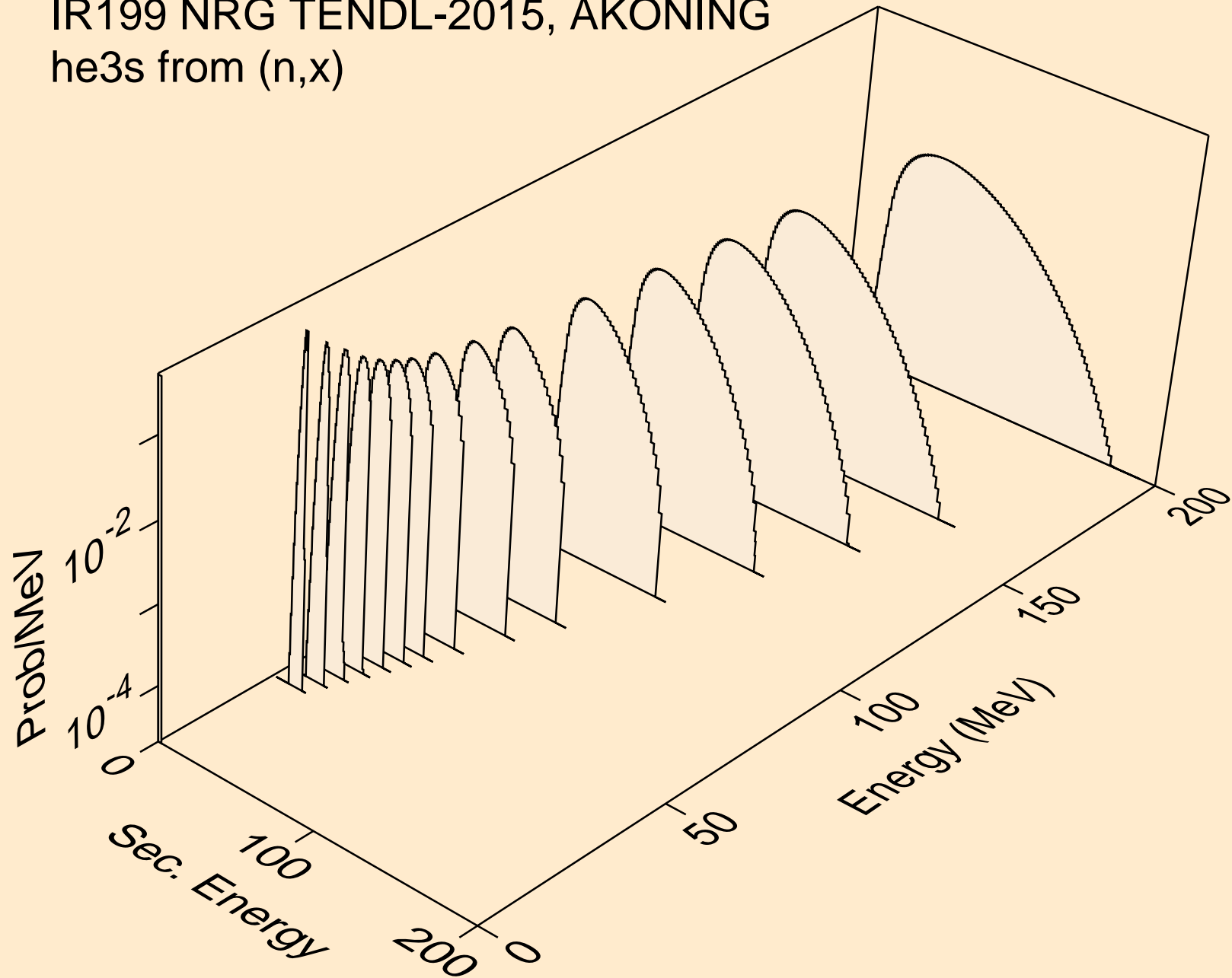
IR199 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



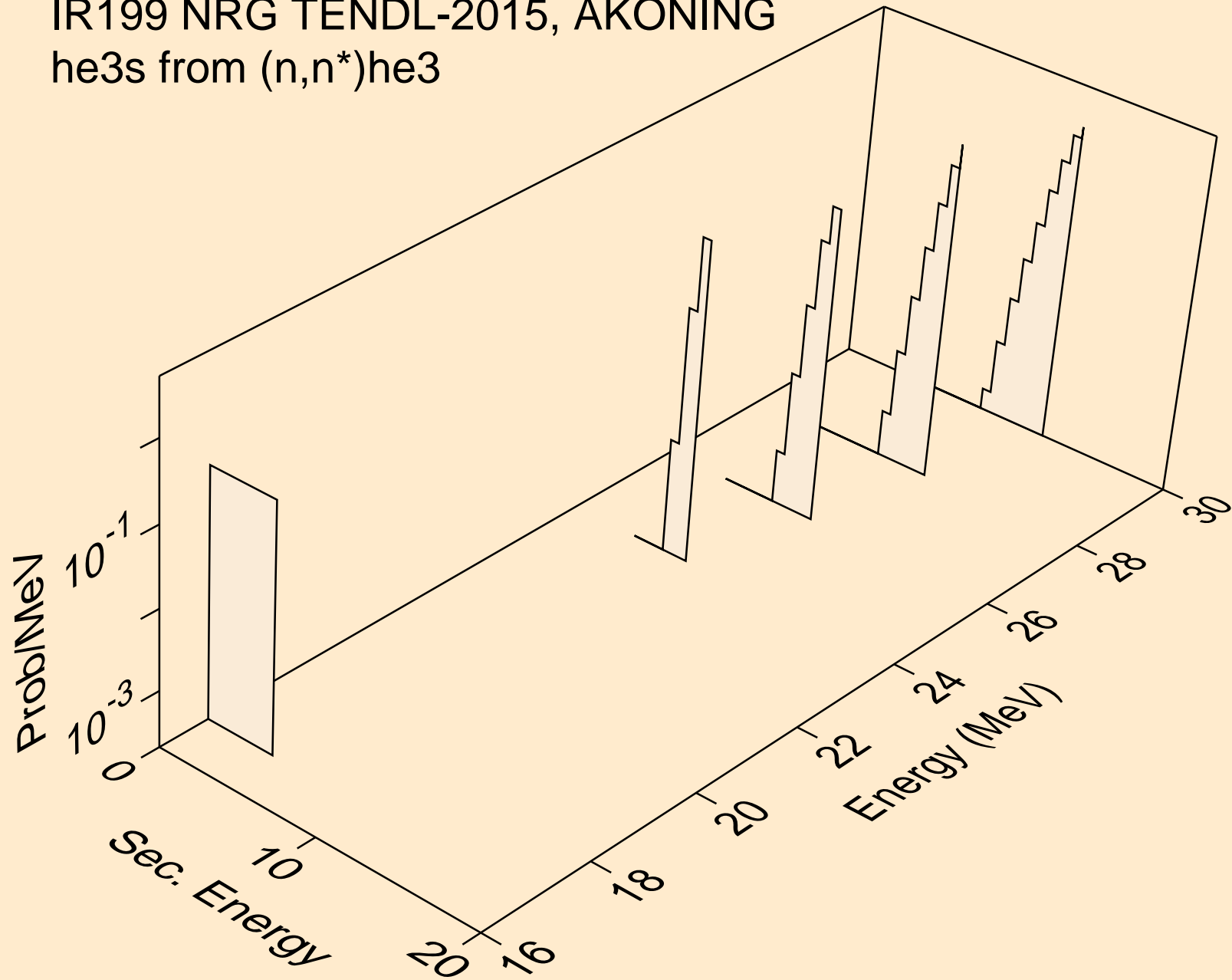
IR199 NRG TENDL-2015, AKONING  
tritons from (n,t)



IR199 NRG TENDL-2015, AKONING  
he3s from (n,x)

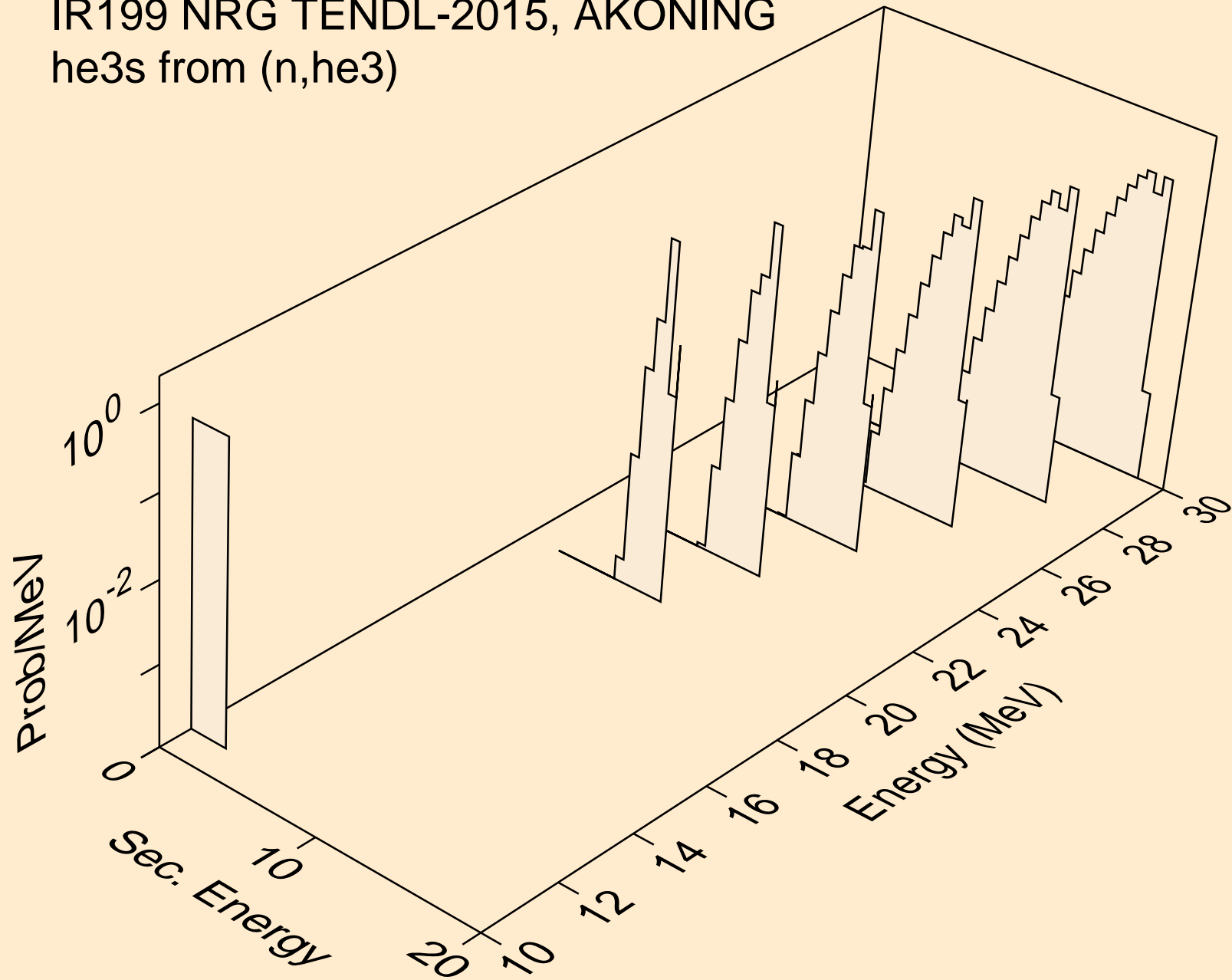


IR199 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3

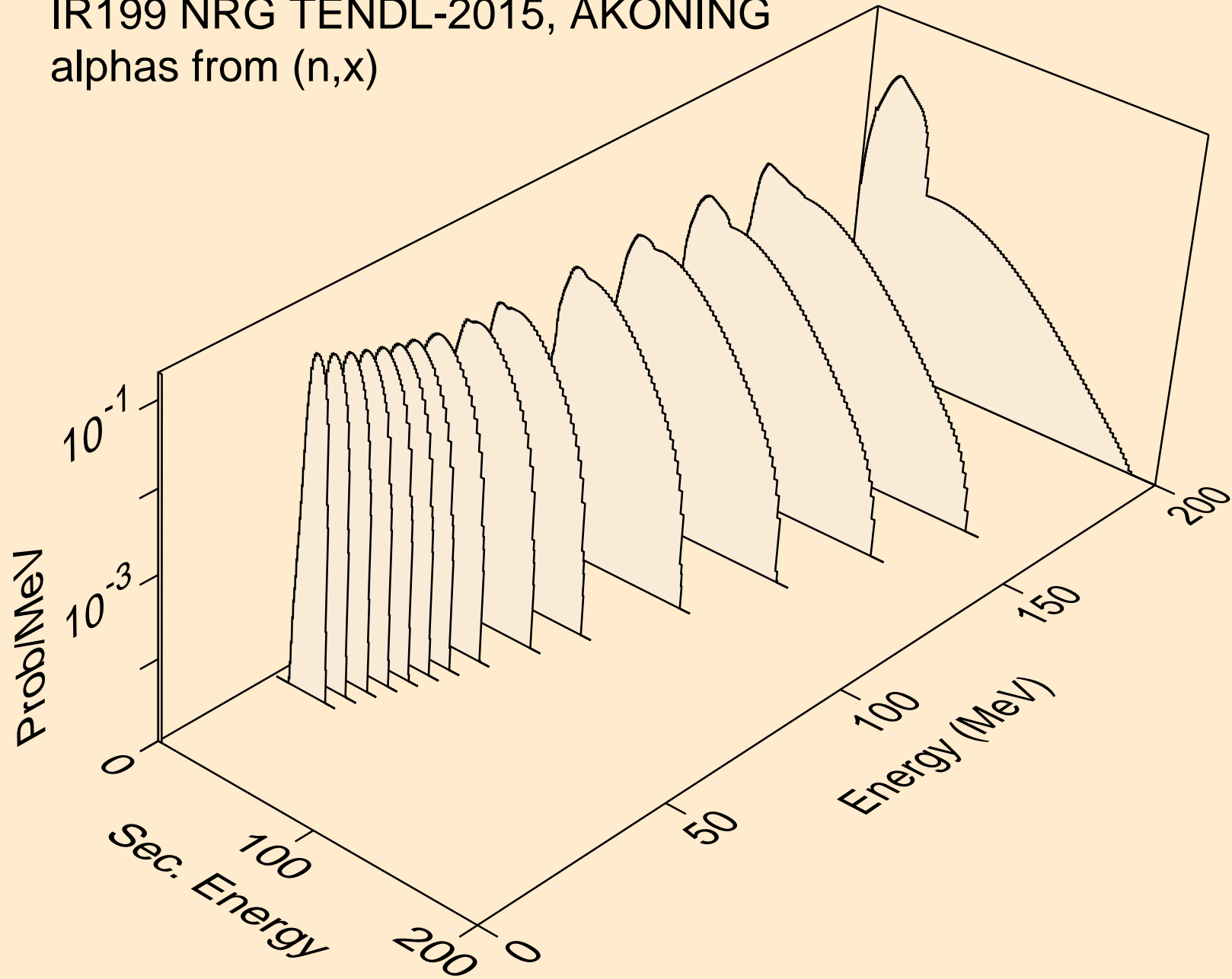




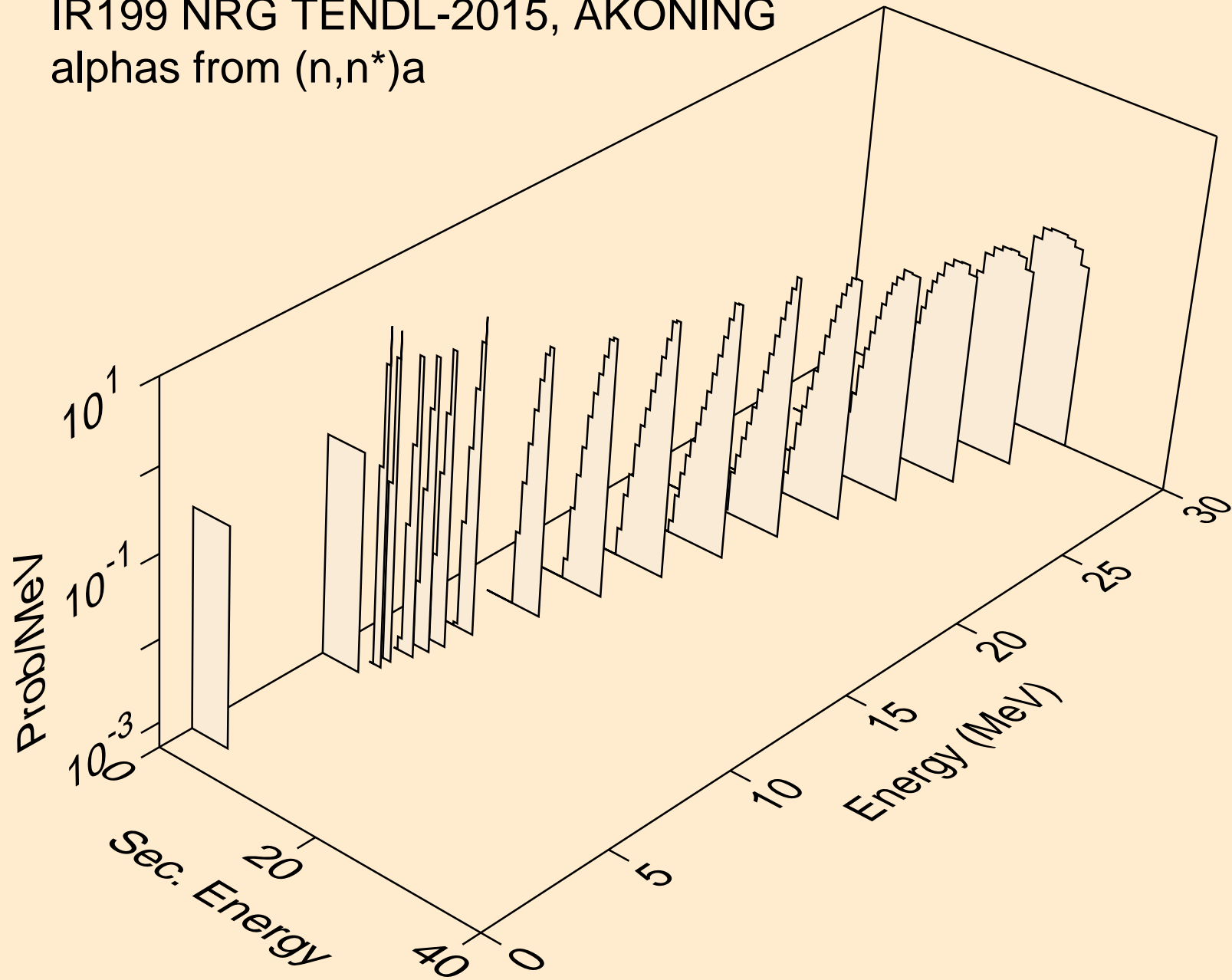
IR199 NRG TENDL-2015, AKONING  
he3s from (n,he3)



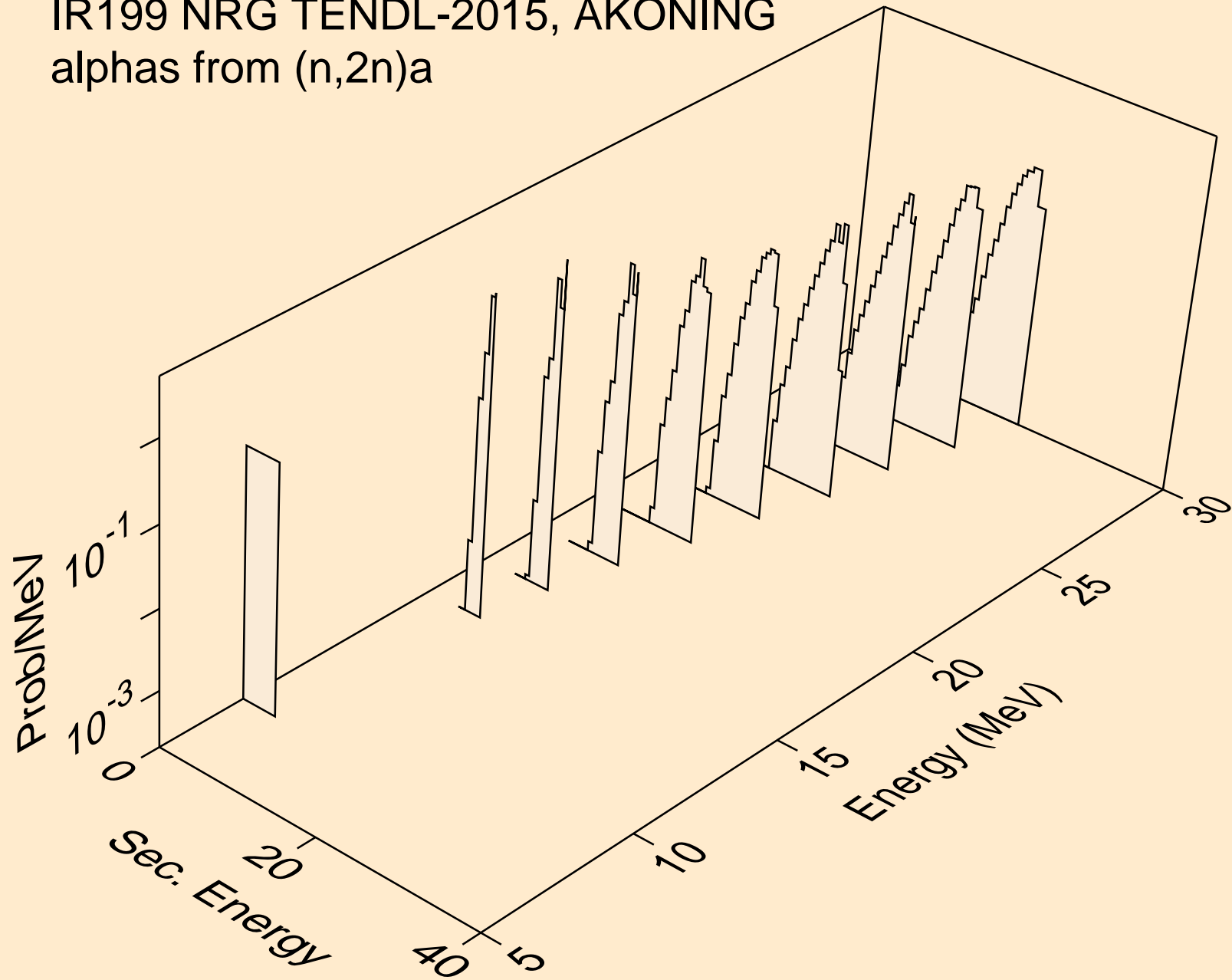
IR199 NRG TENDL-2015, AKONING  
alphas from (n,x)



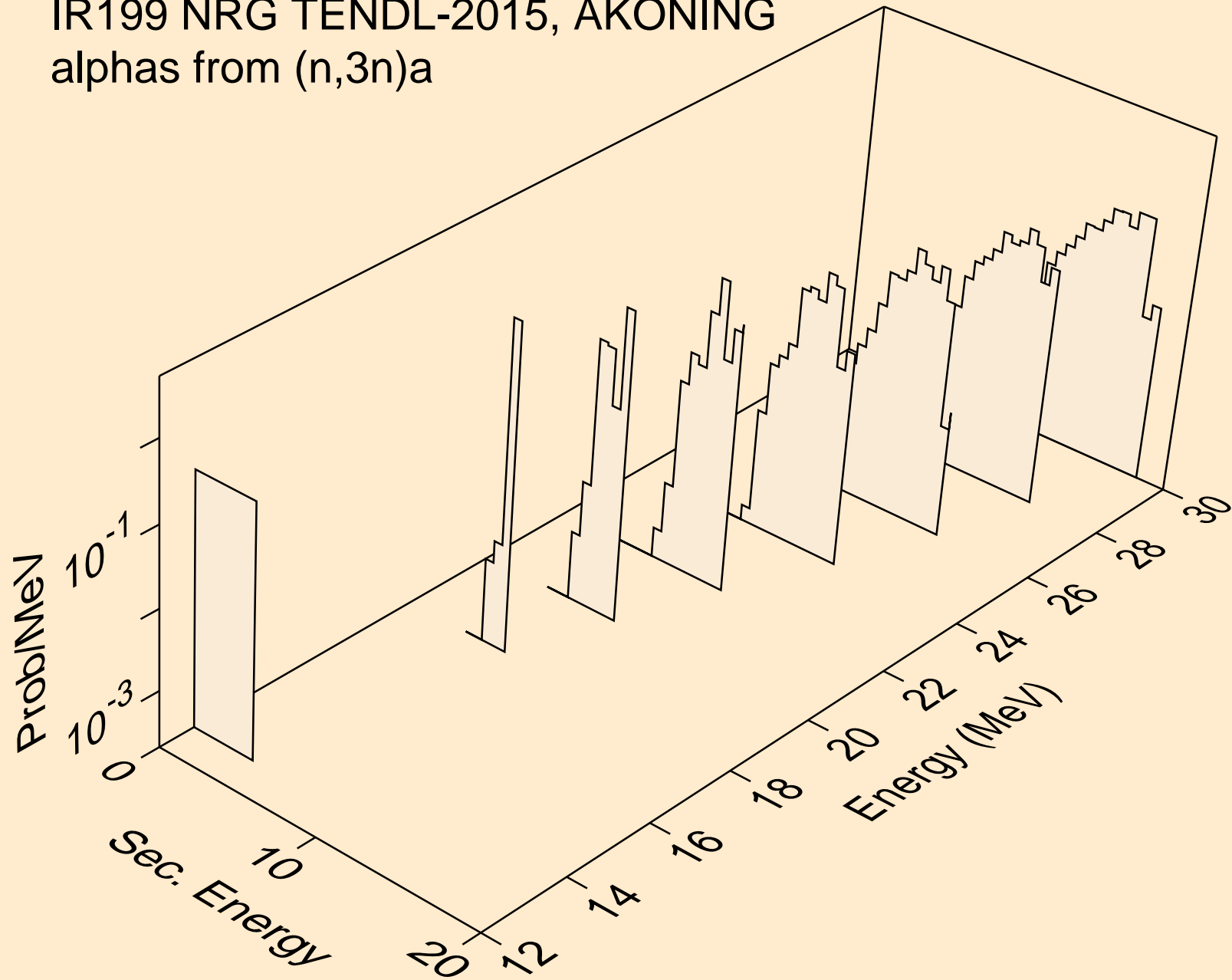
IR199 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



IR199 NRG TENDL-2015, AKONING  
alphas from (n,2n)a



IR199 NRG TENDL-2015, AKONING  
alphas from (n,3n)a



IR199 NRG TENDL-2015, AKONING  
alphas from (n,a)

