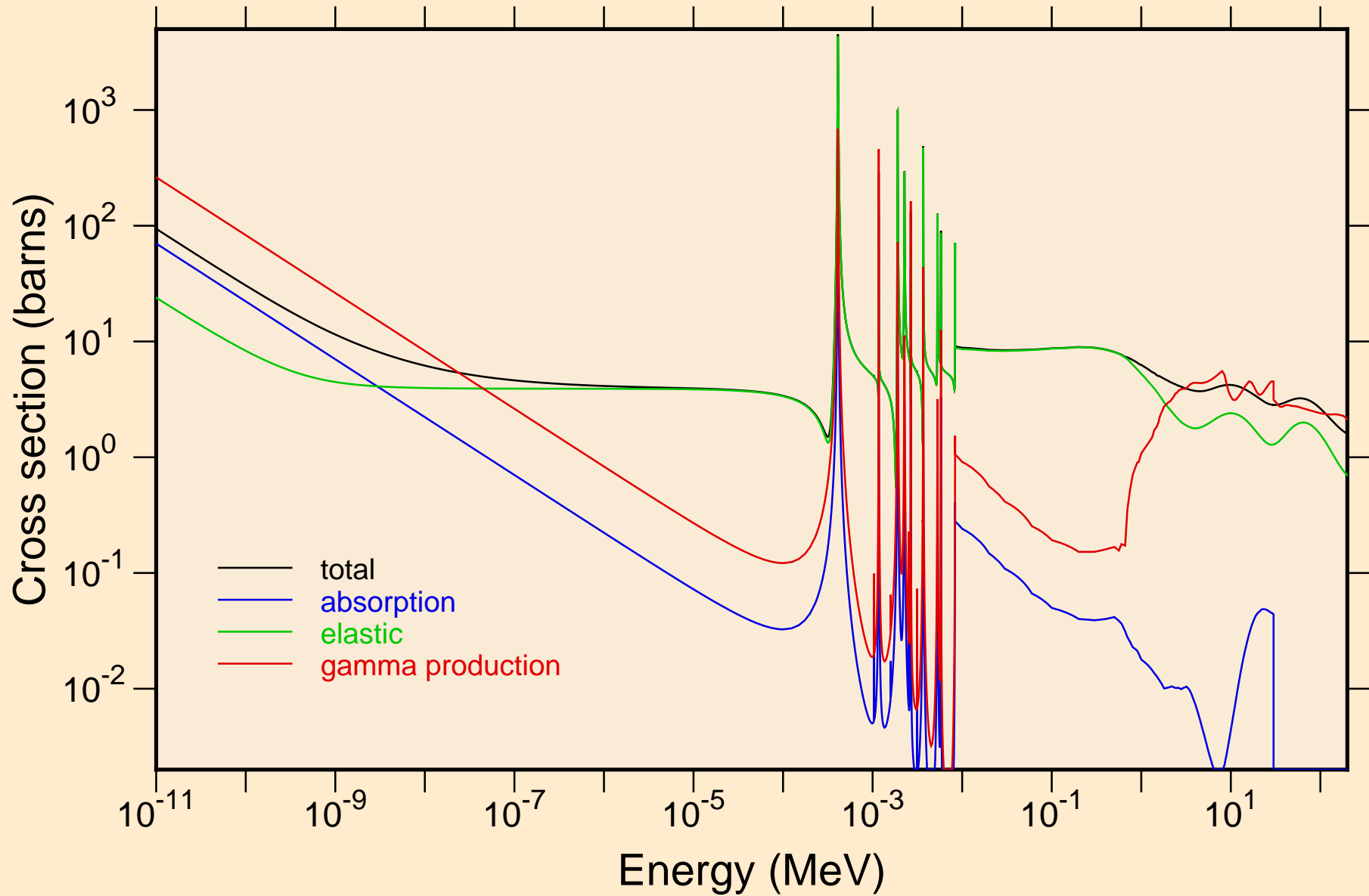
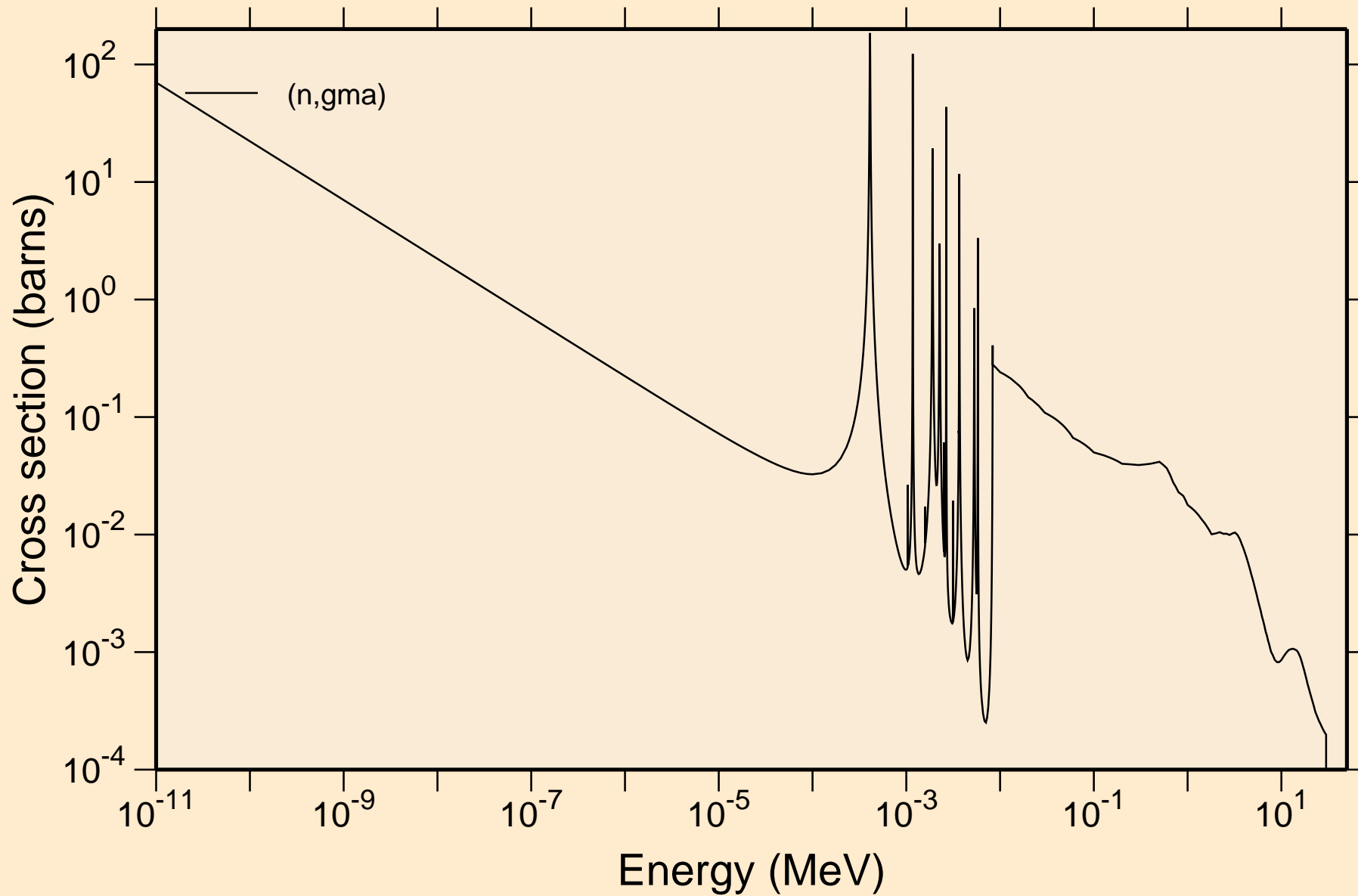


# Y091 NRG TENDL-2015, AKONING

## Principal cross sections

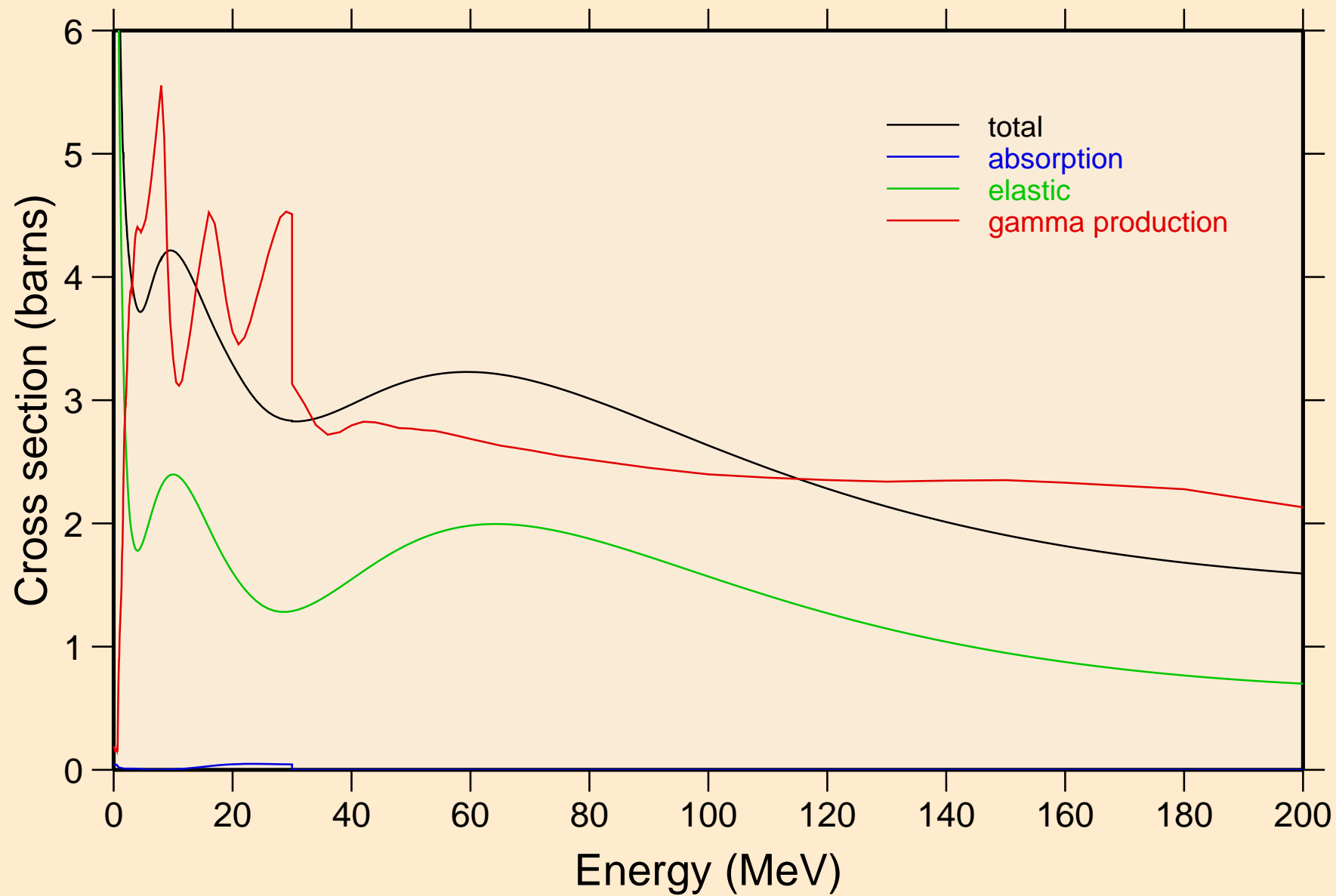


Y091 NRG TENDL-2015, AKONING  
Non-threshold reactions

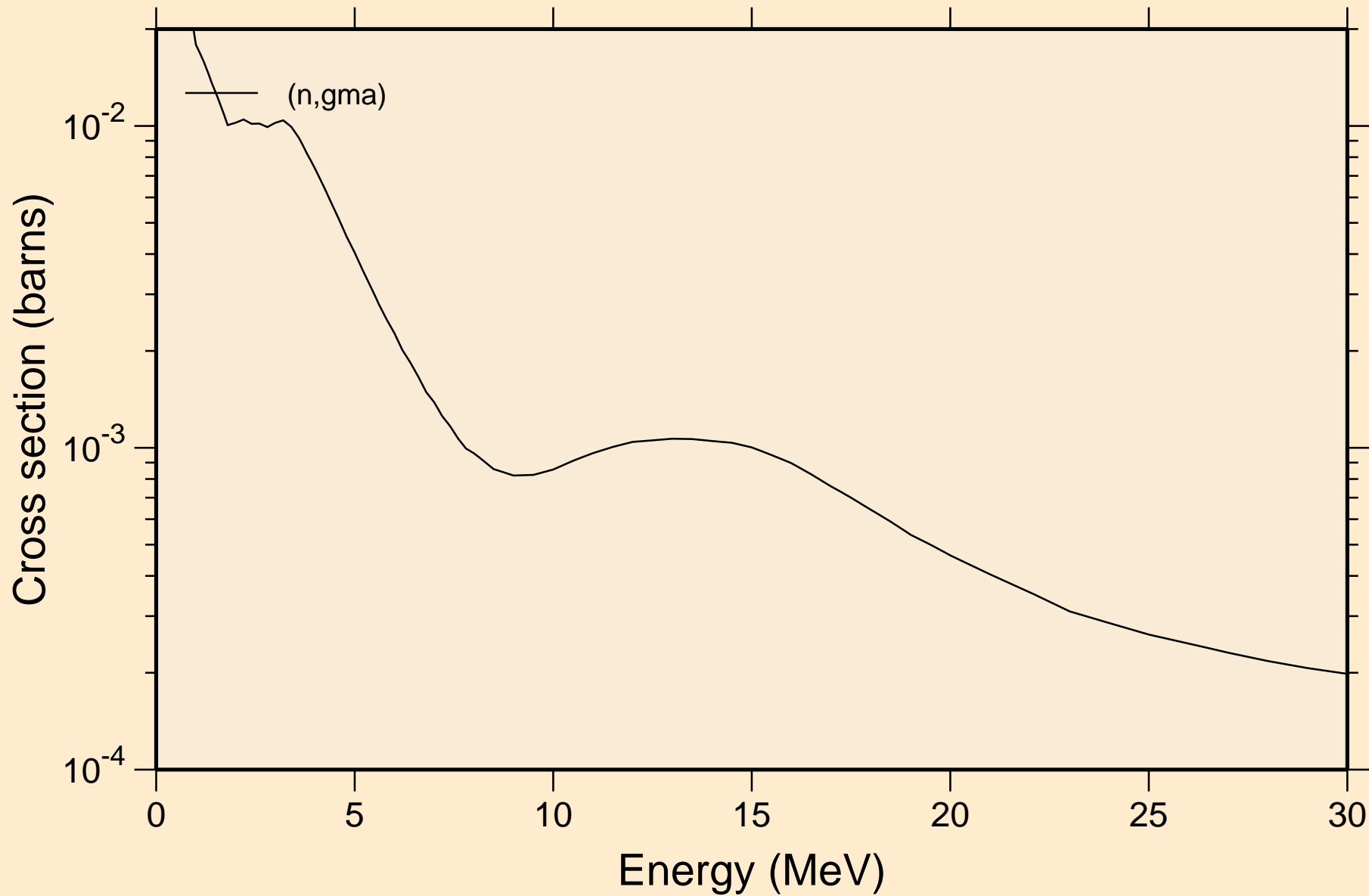


# Y091 NRG TENDL-2015, AKONING

## Principal cross sections

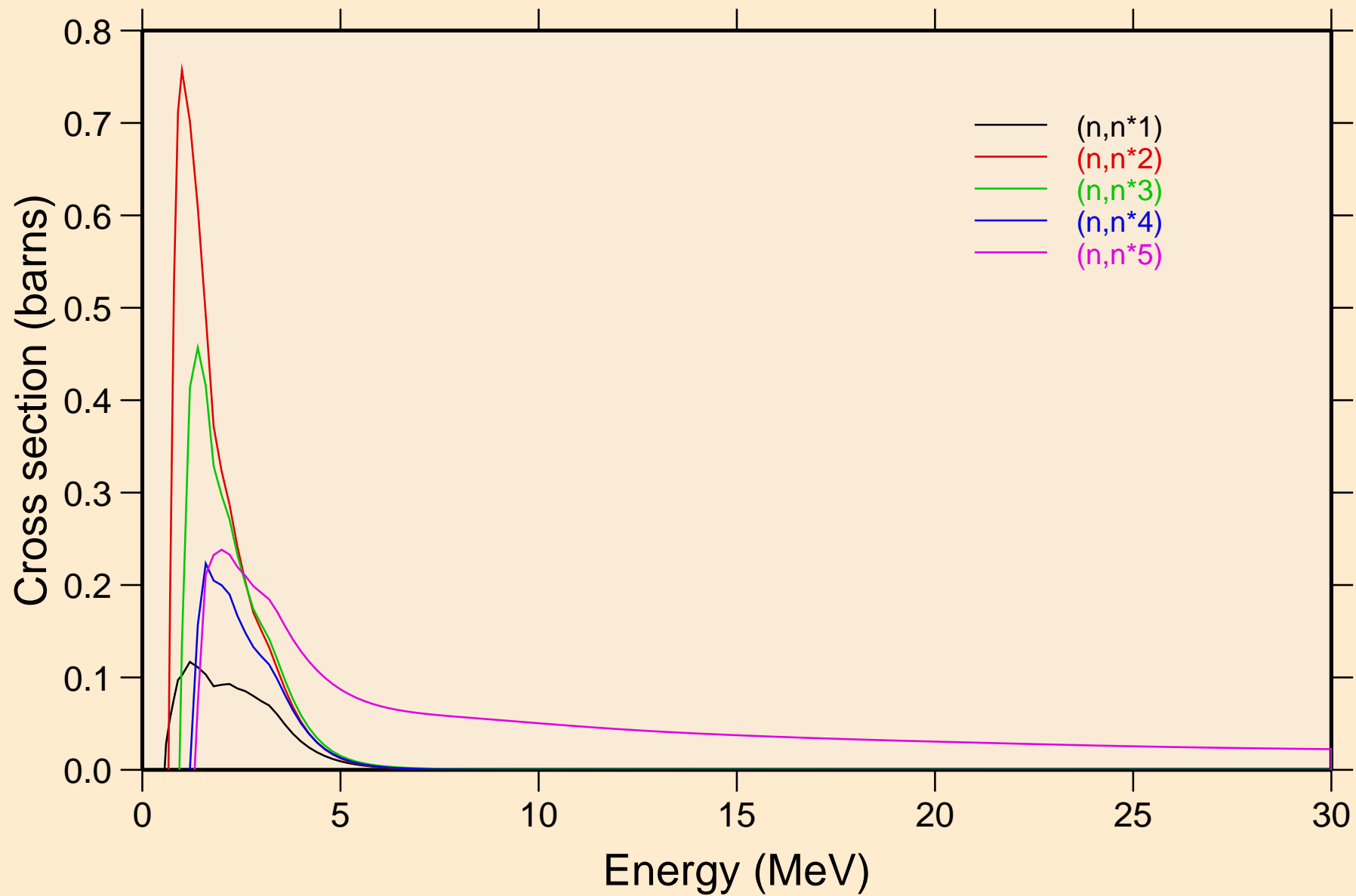


Y091 NRG TENDL-2015, AKONING  
Non-threshold reactions



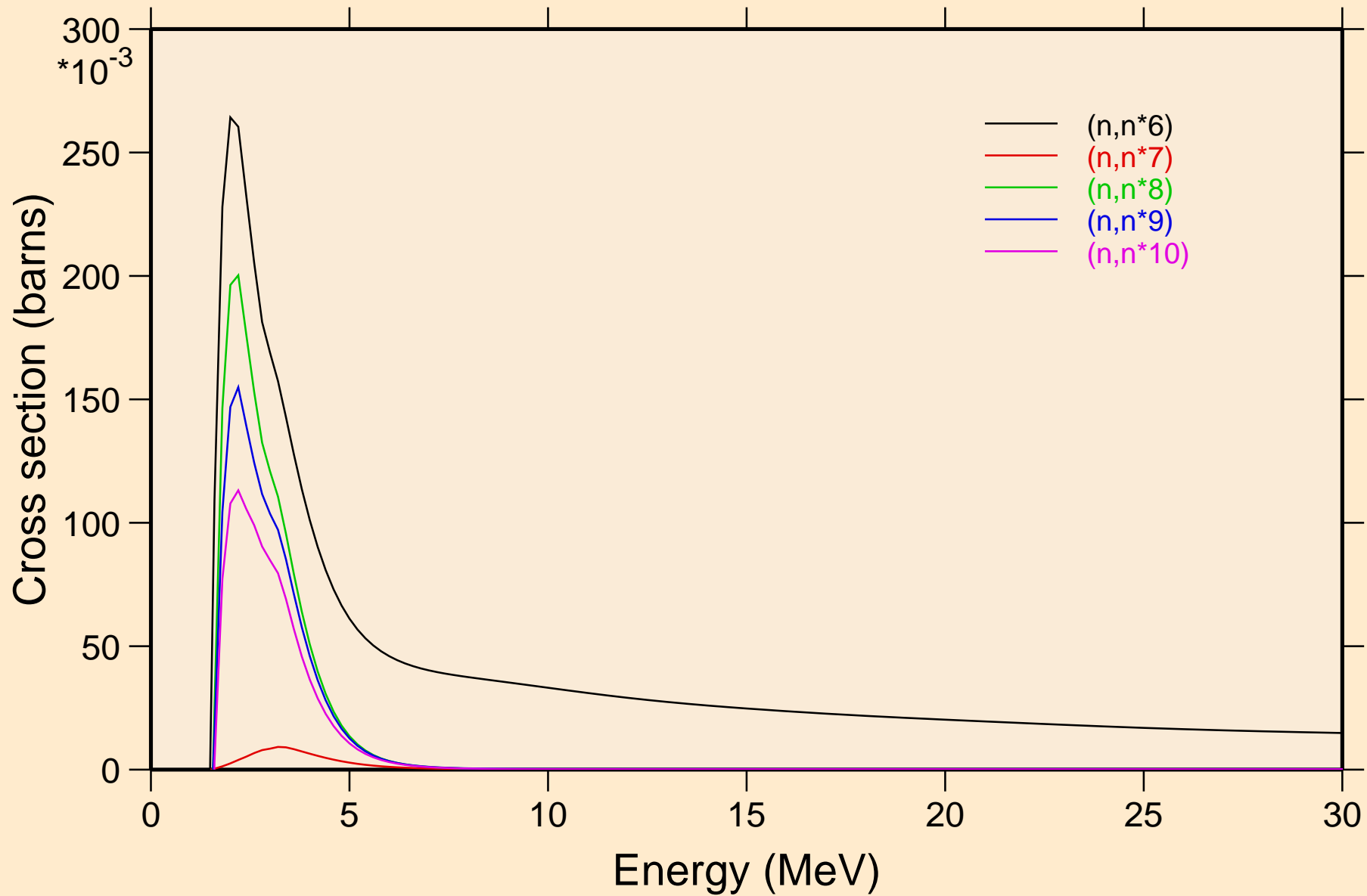
# Y091 NRG TENDL-2015, AKONING

## Inelastic levels



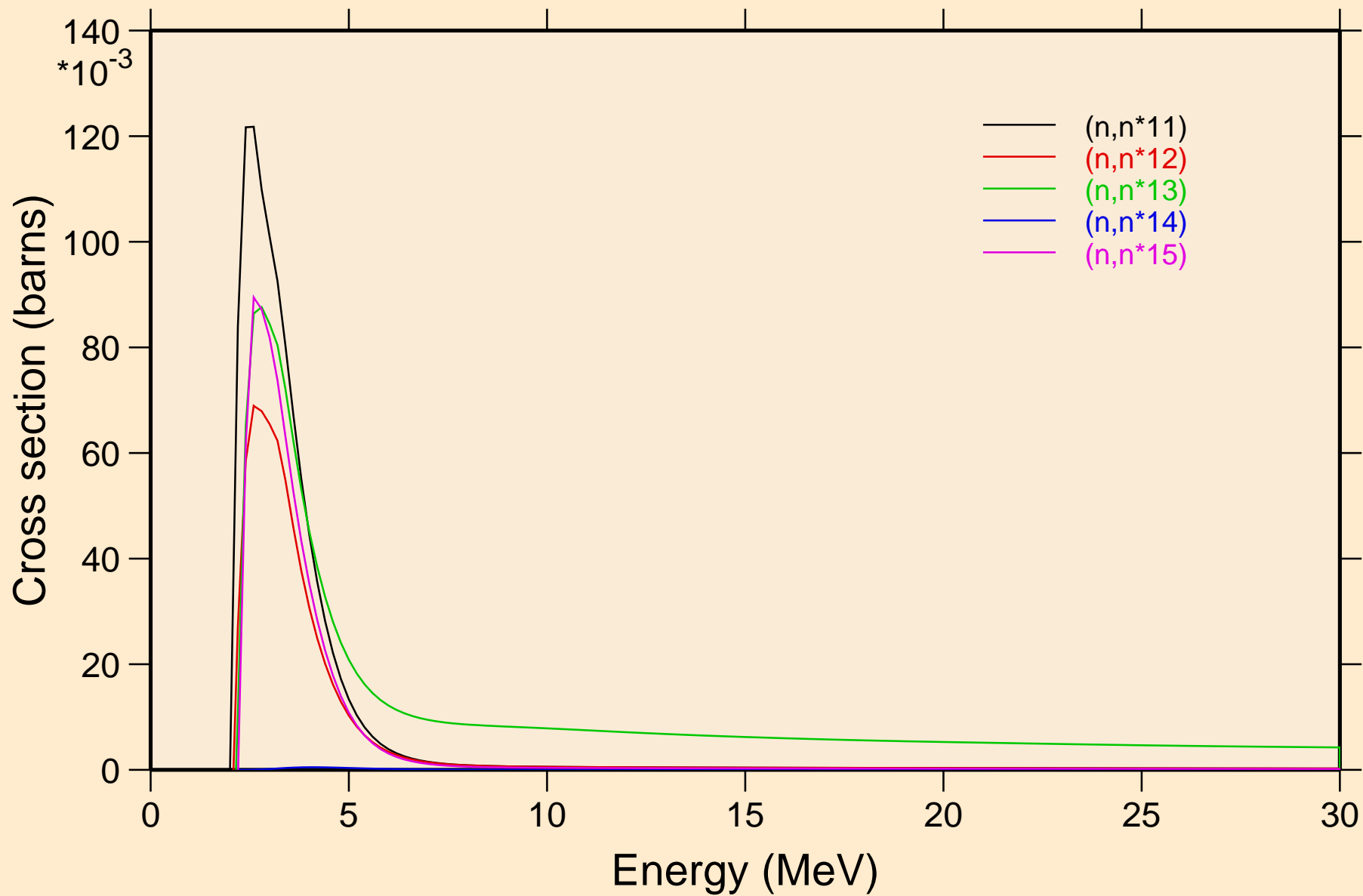
# Y091 NRG TENDL-2015, AKONING

## Inelastic levels



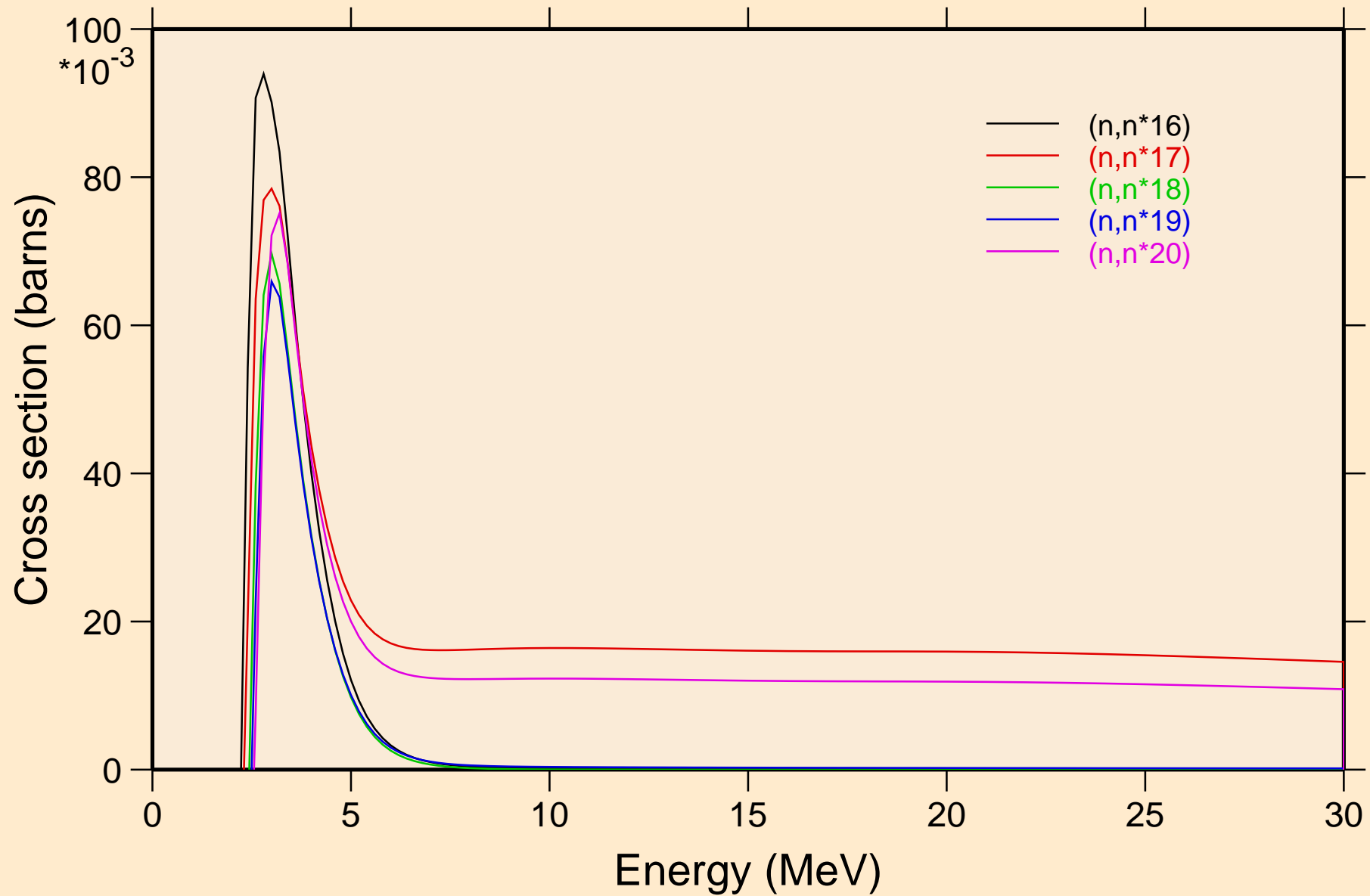
# Y091 NRG TENDL-2015, AKONING

## Inelastic levels



# Y091 NRG TENDL-2015, AKONING

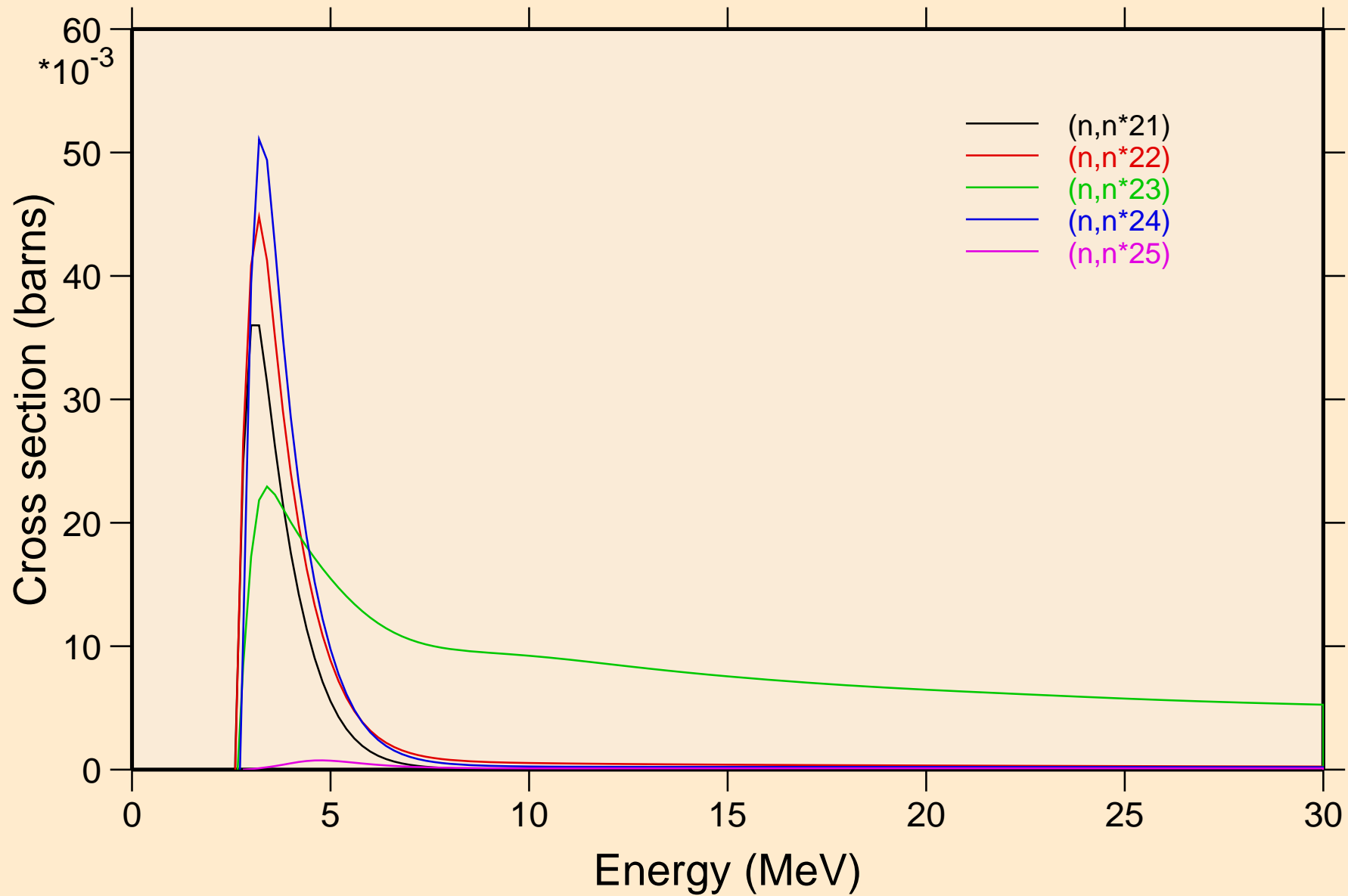
## Inelastic levels





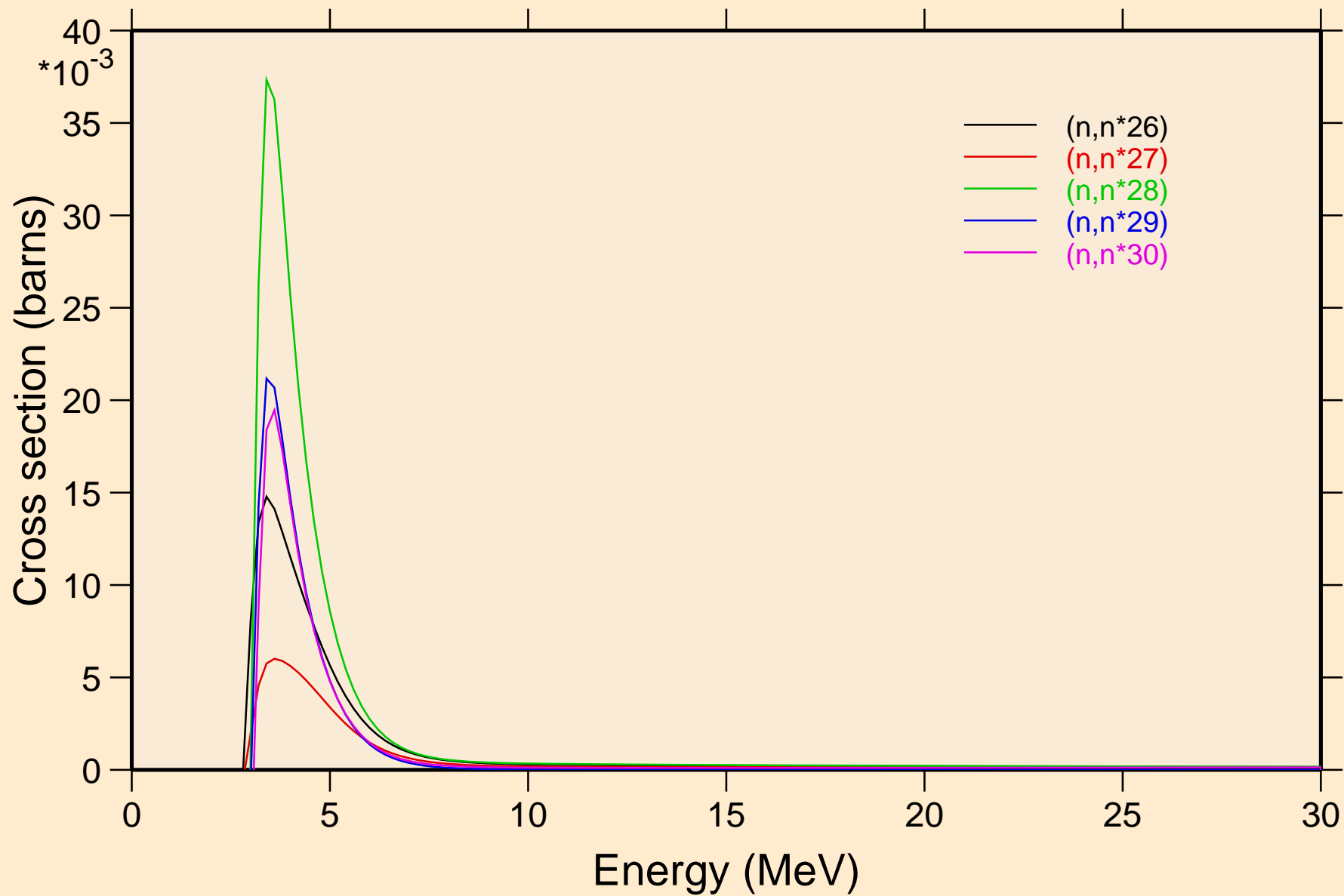
# Y091 NRG TENDL-2015, AKONING

## Inelastic levels



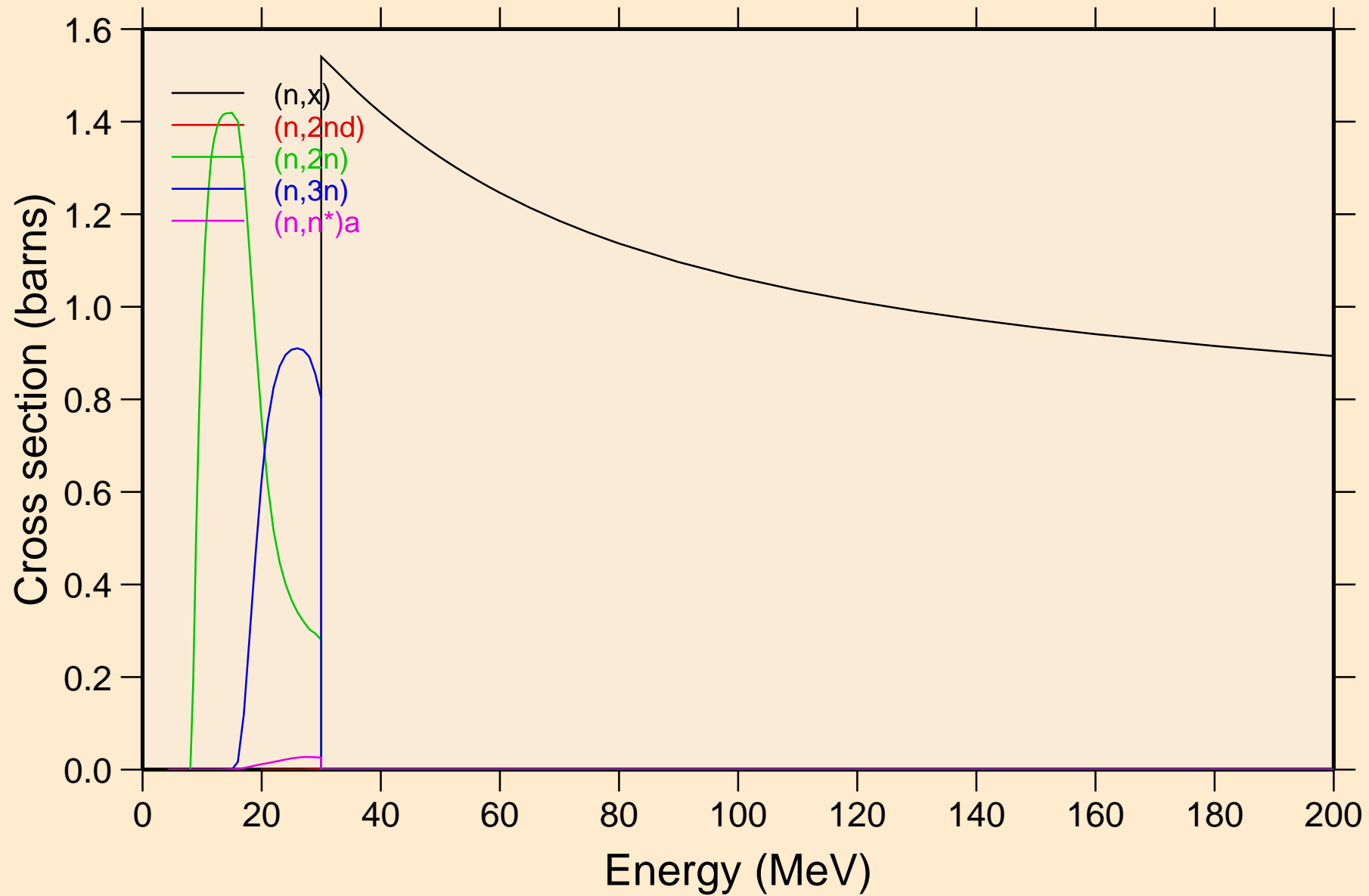
# Y091 NRG TENDL-2015, AKONING

## Inelastic levels



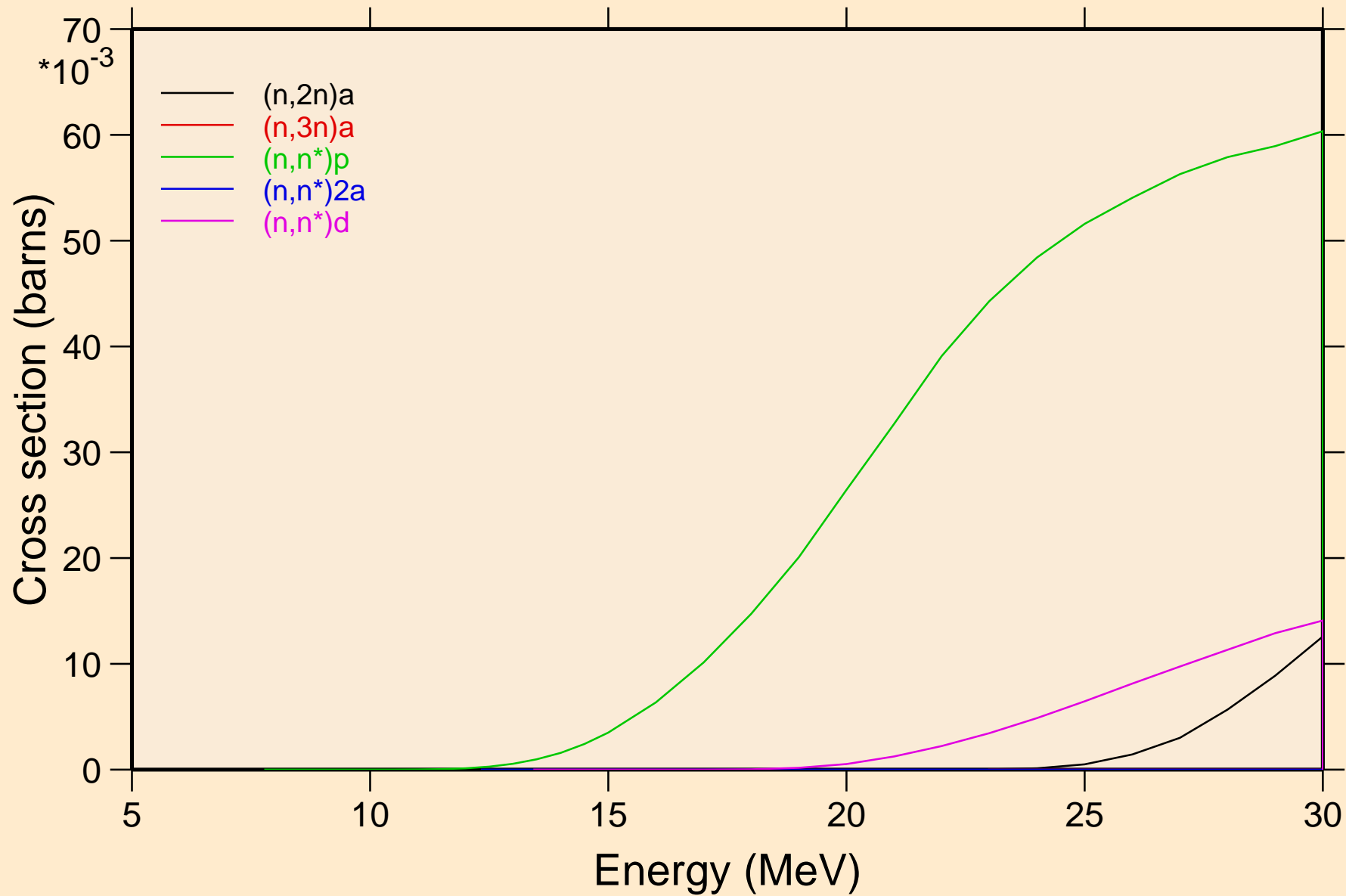
# Y091 NRG TENDL-2015, AKONING

## Threshold reactions



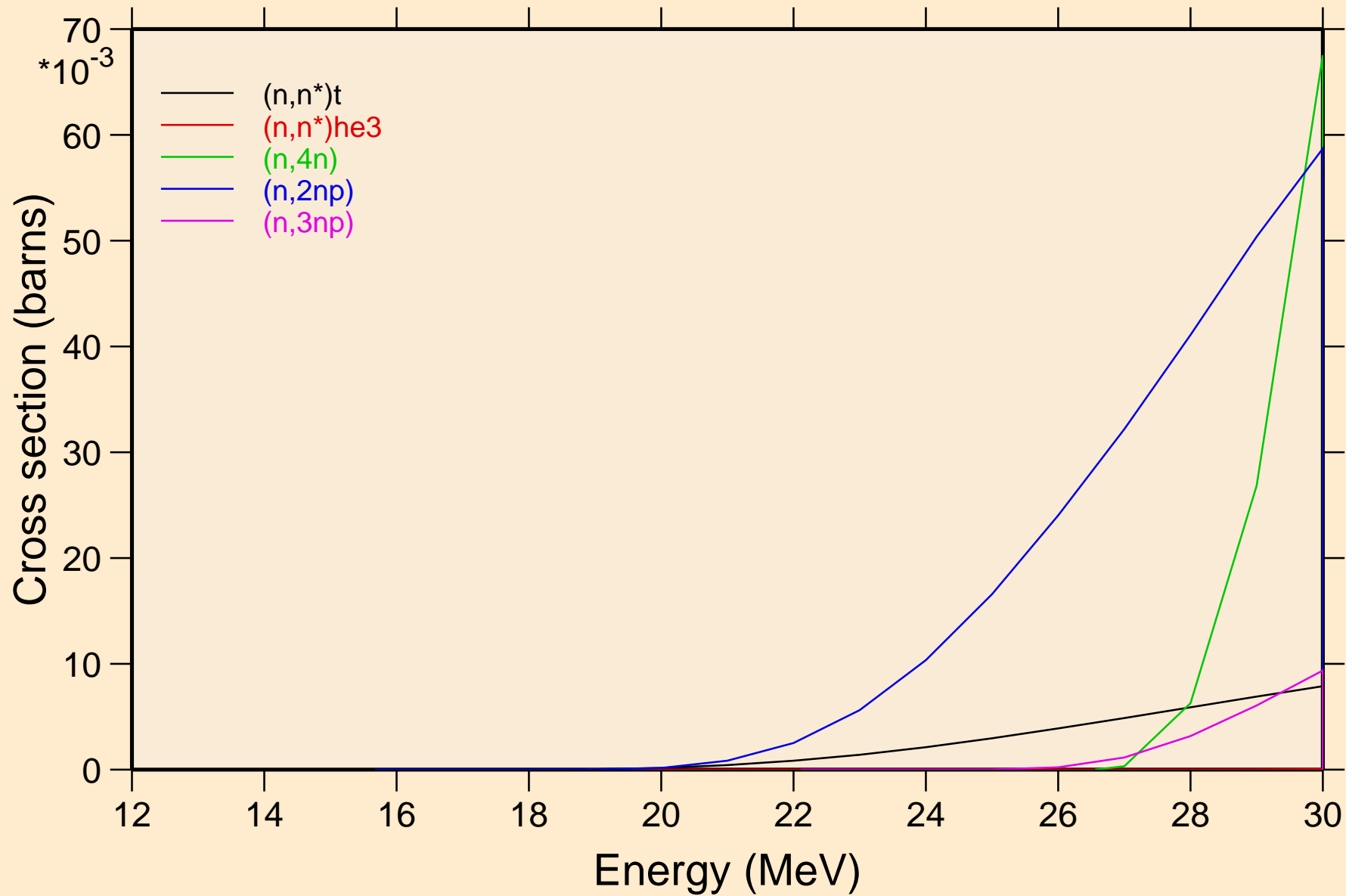
# Y091 NRG TENDL-2015, AKONING

## Threshold reactions



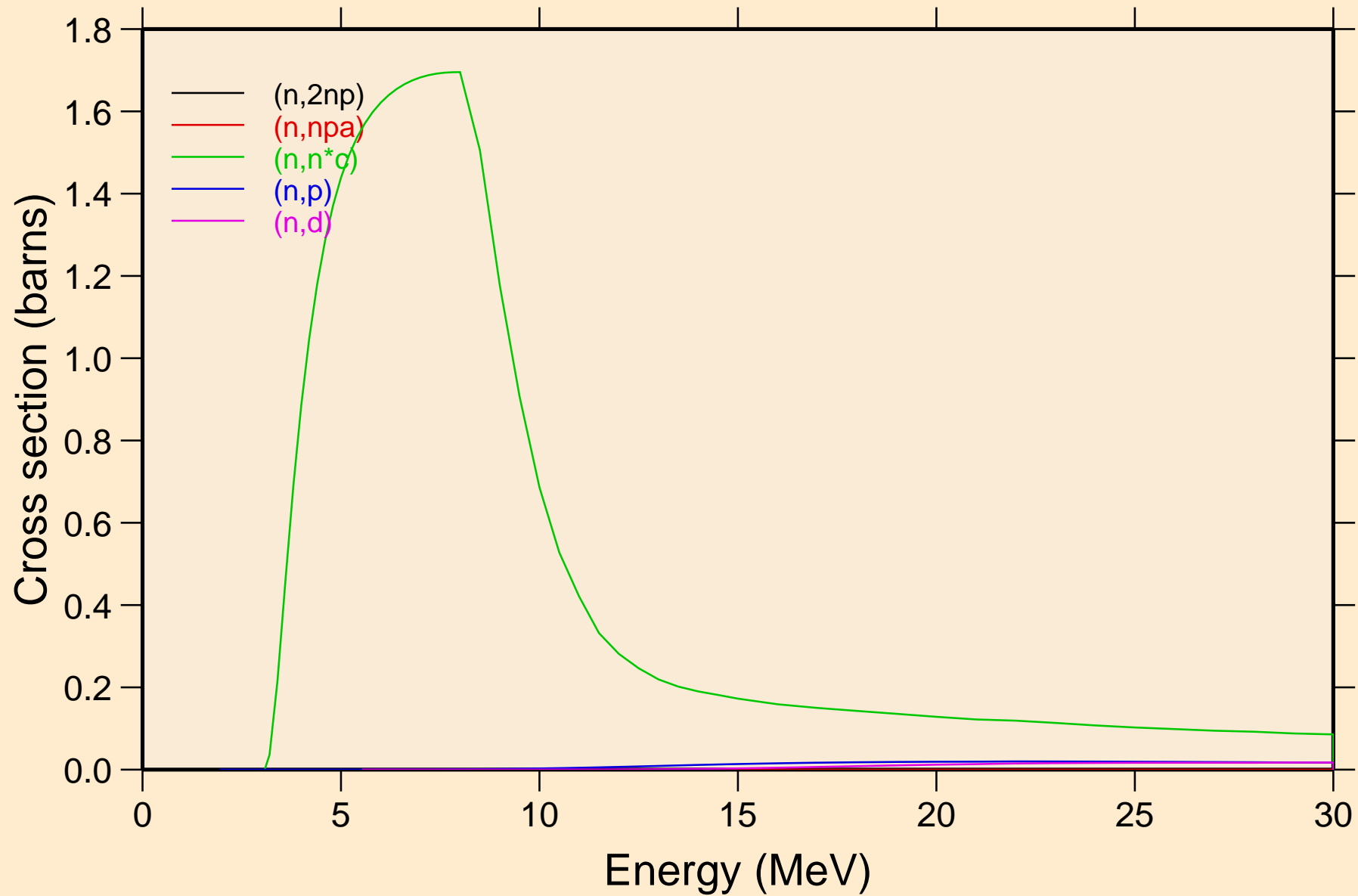
# Y091 NRG TENDL-2015, AKONING

## Threshold reactions



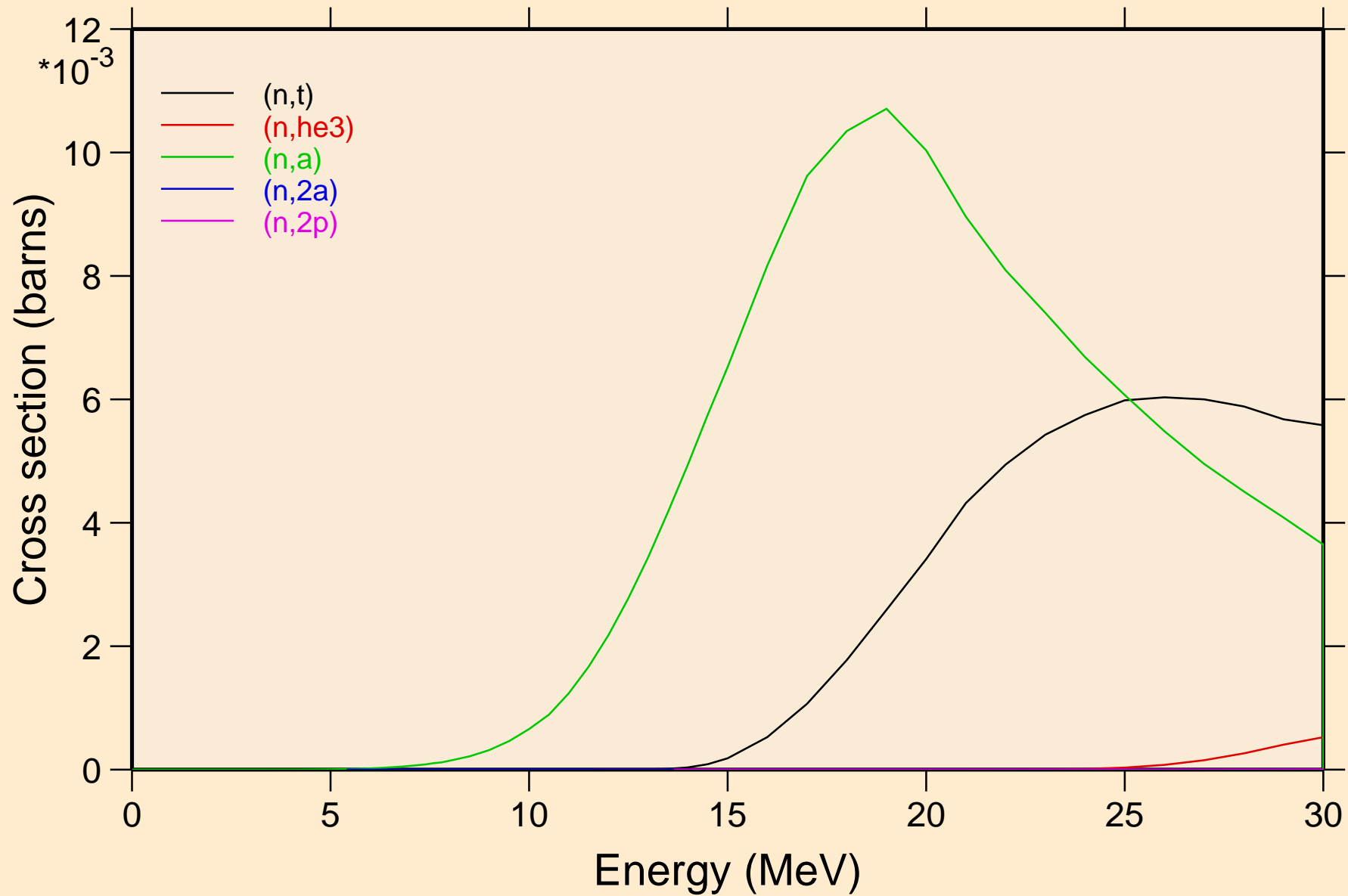
# Y091 NRG TENDL-2015, AKONING

## Threshold reactions



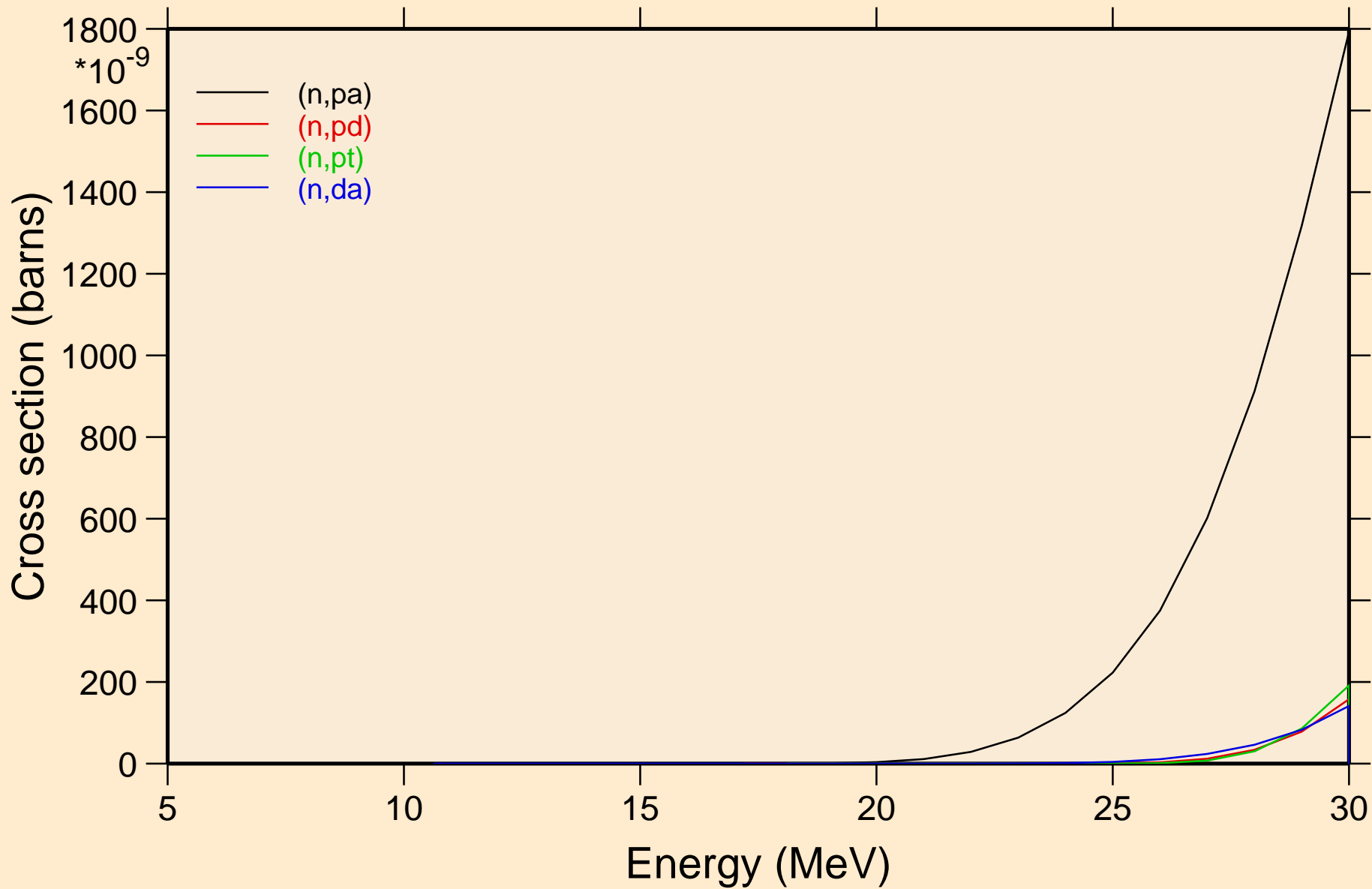
# Y091 NRG TENDL-2015, AKONING

## Threshold reactions



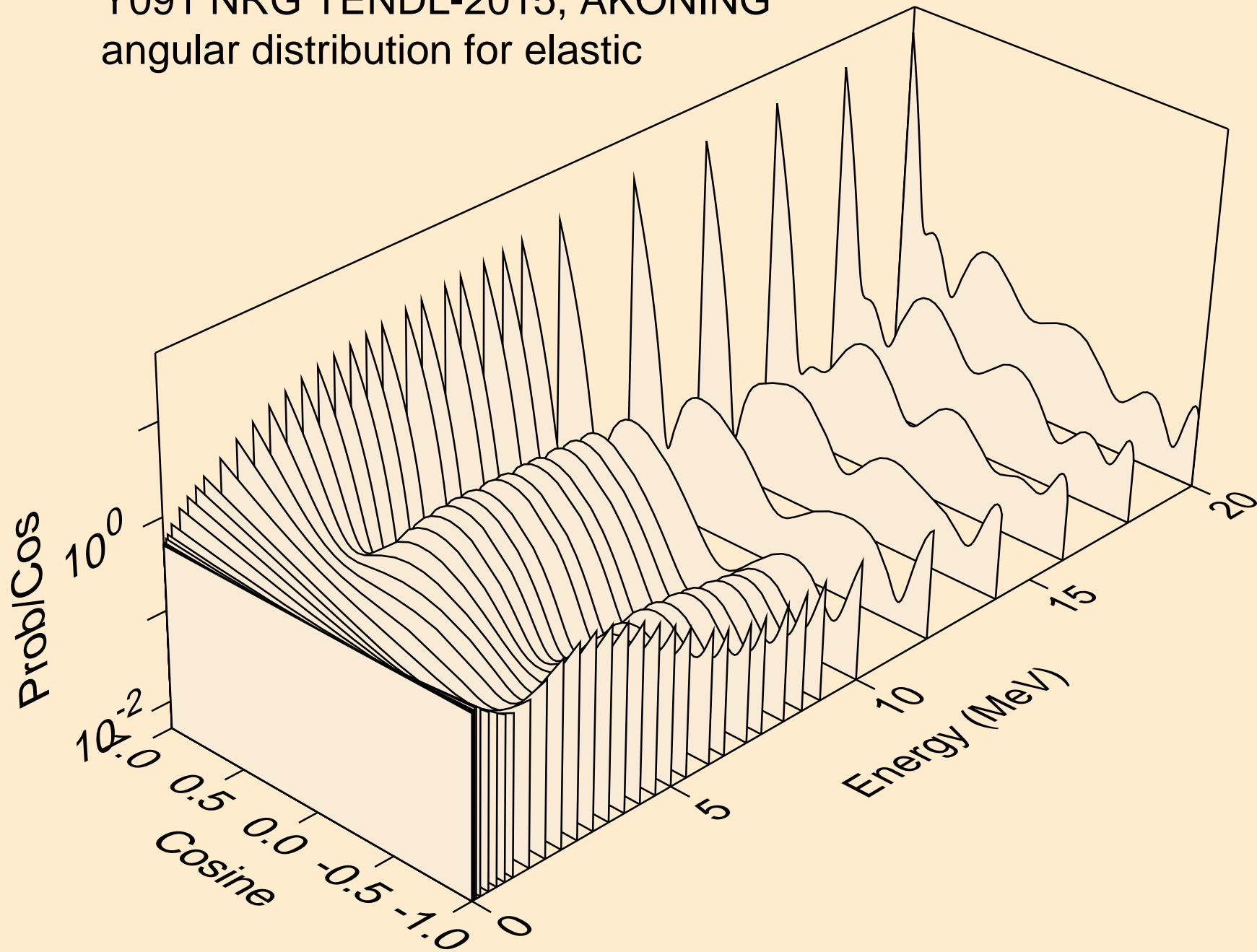
# Y091 NRG TENDL-2015, AKONING

## Threshold reactions

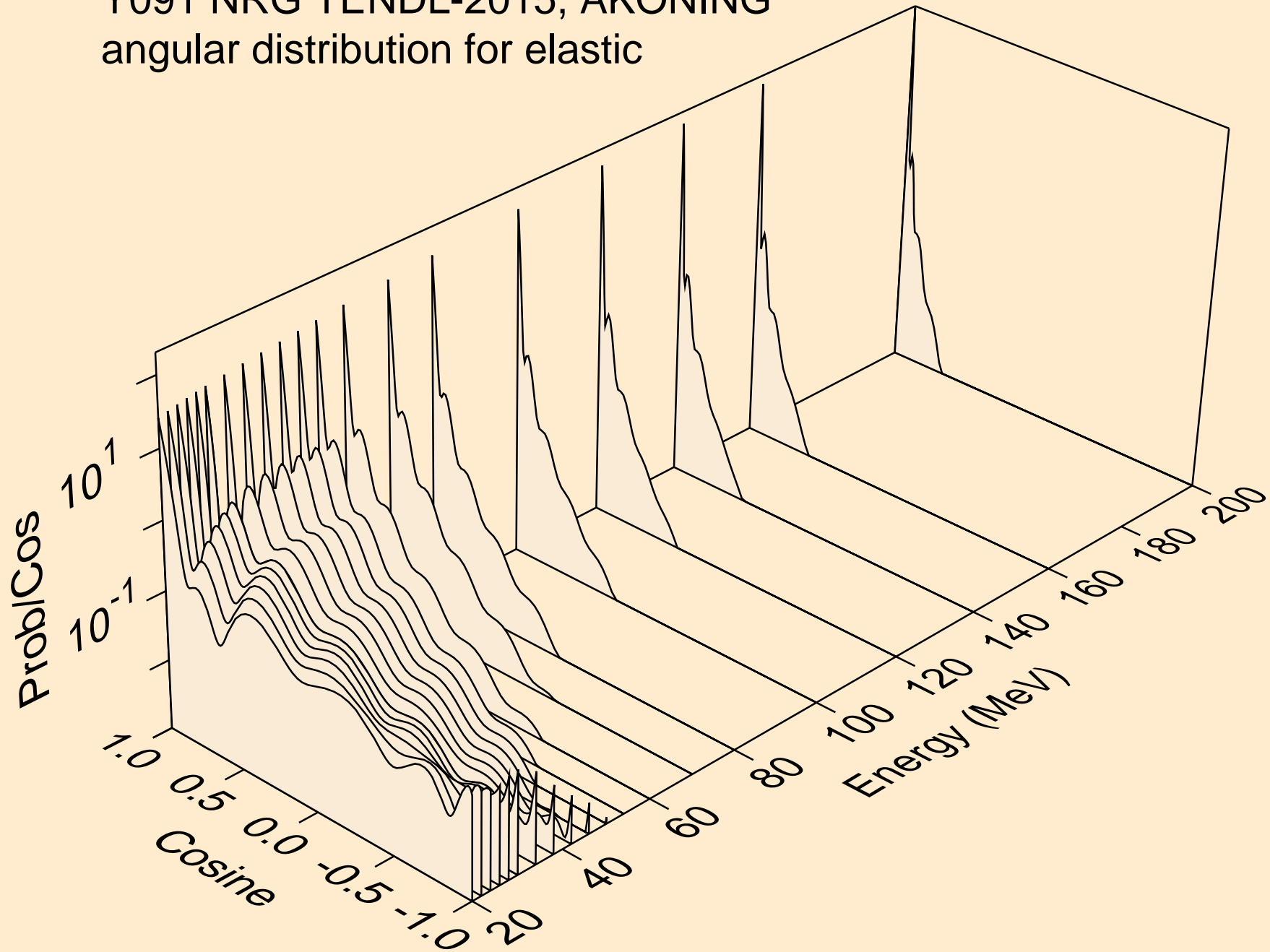




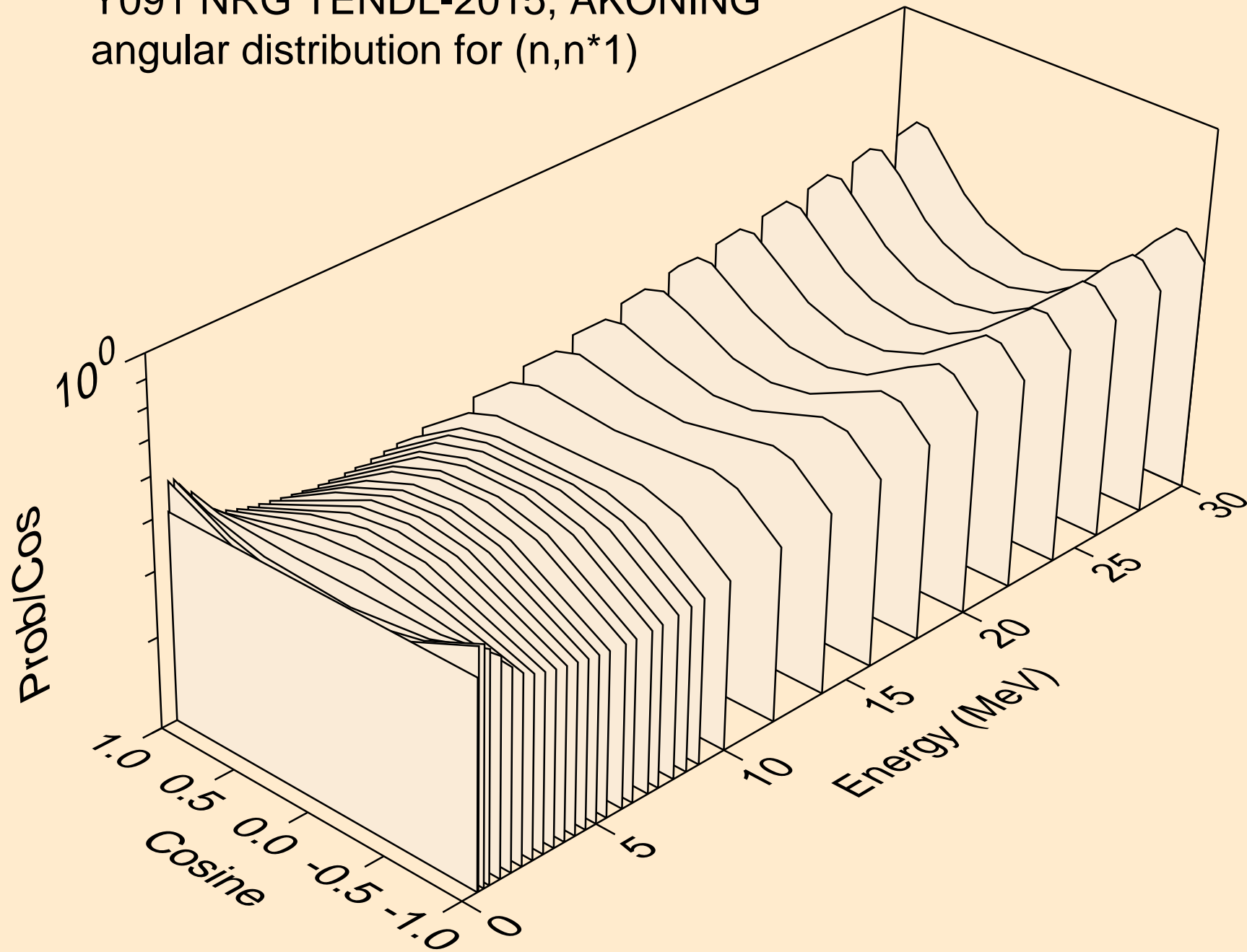
Y091 NRG TENDL-2015, AKONING  
angular distribution for elastic



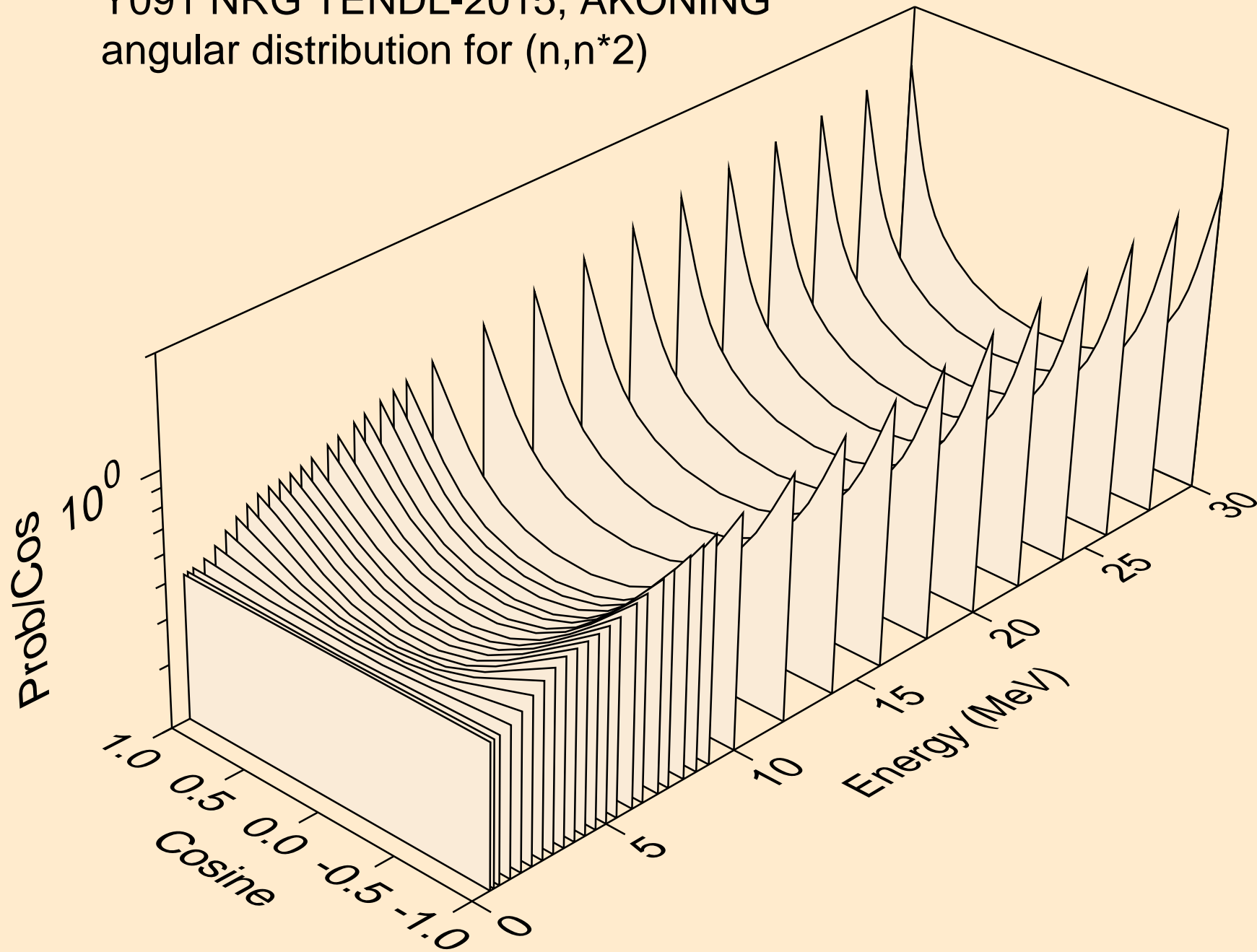
Y091 NRG TENDL-2015, AKONING  
angular distribution for elastic



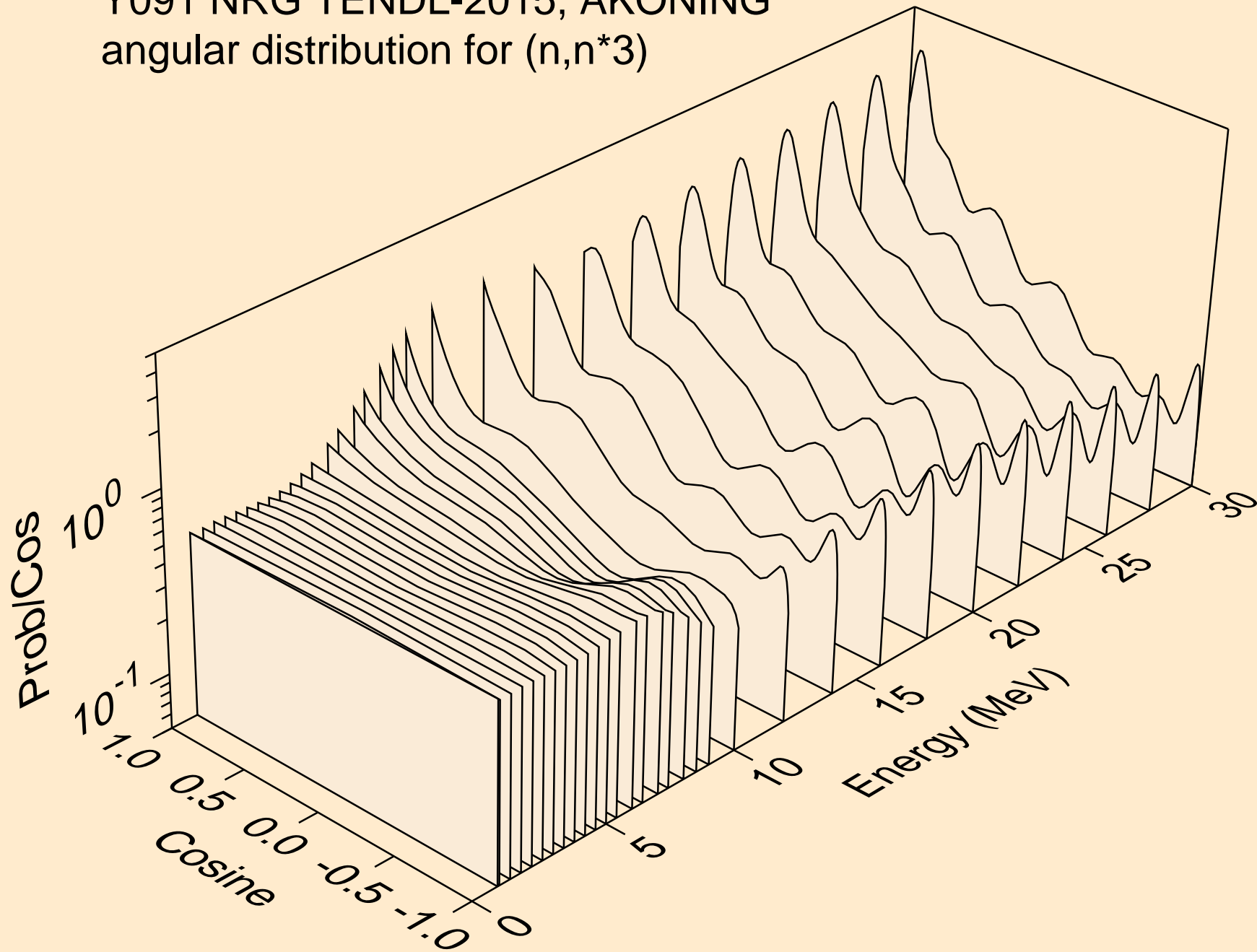
Y091 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



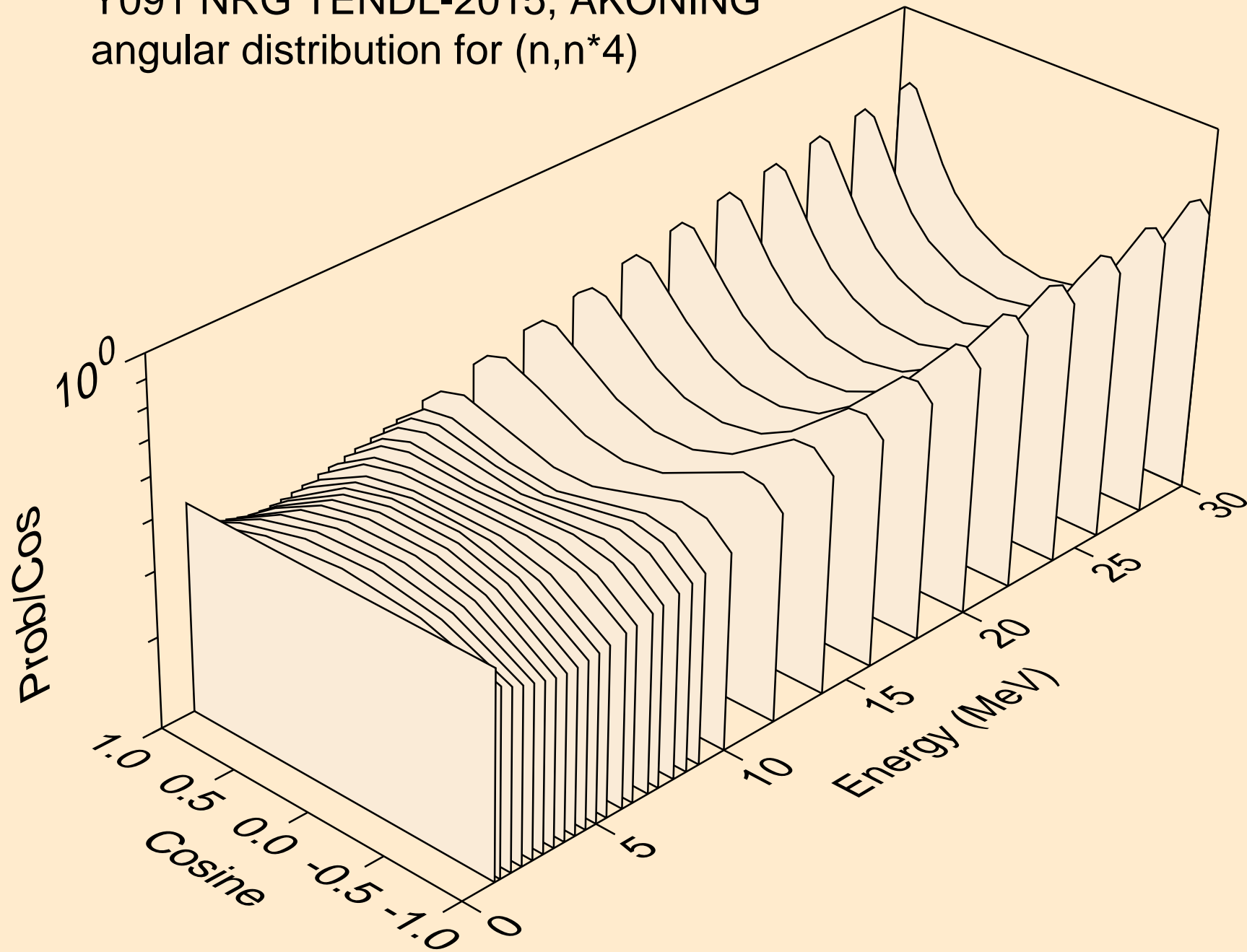
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angular distribution for (n,n\*2)



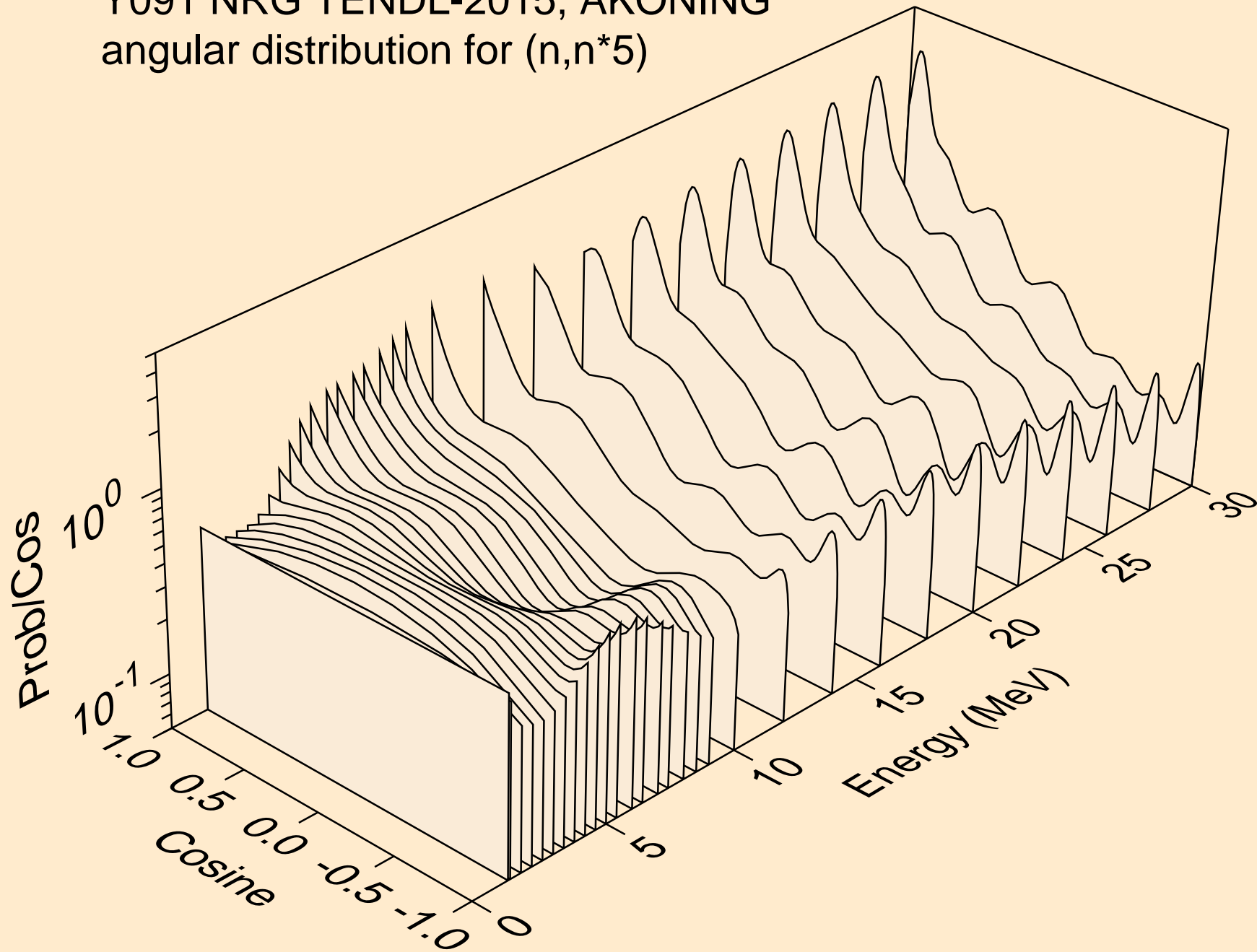
Y091 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



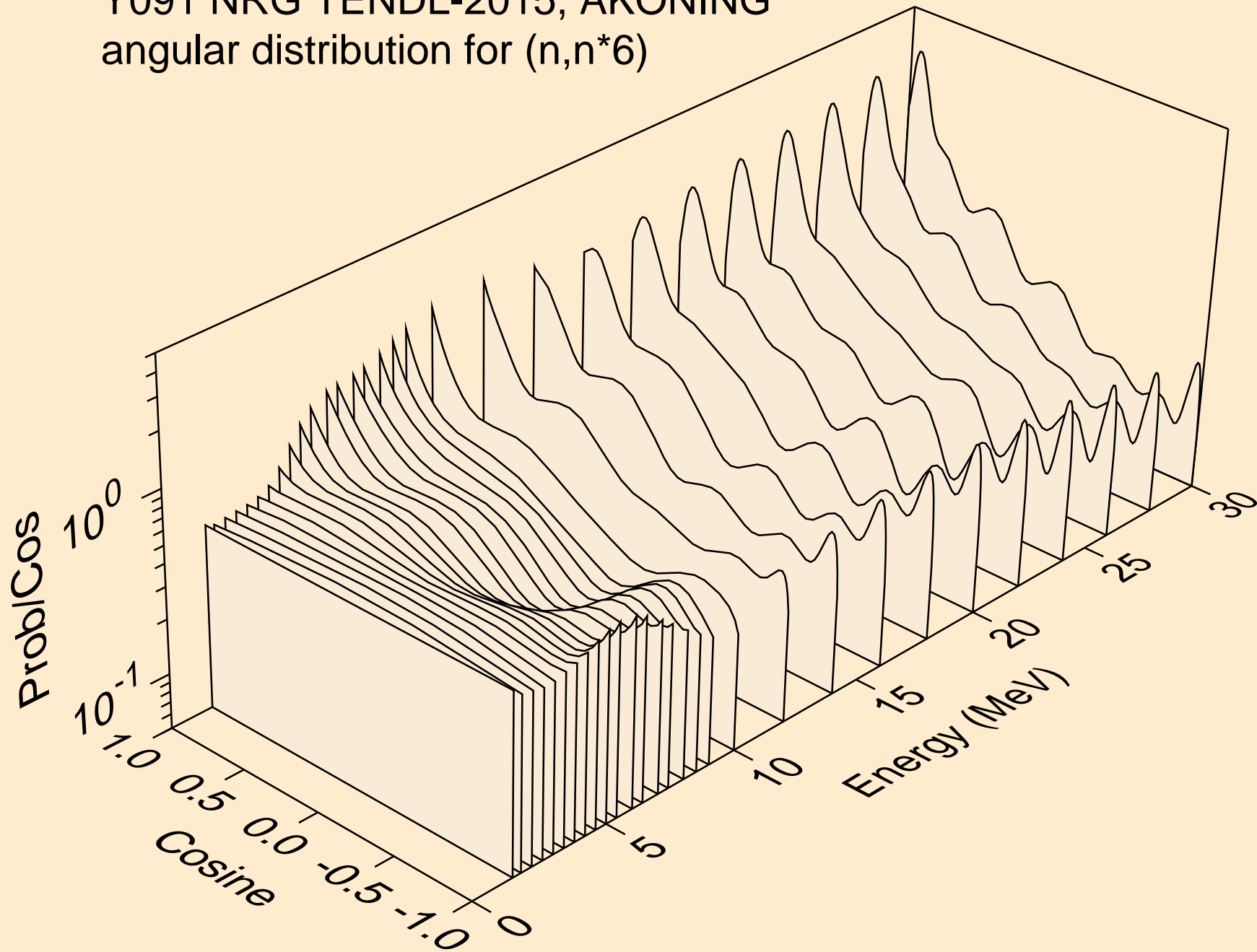
Y091 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



Y091 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)

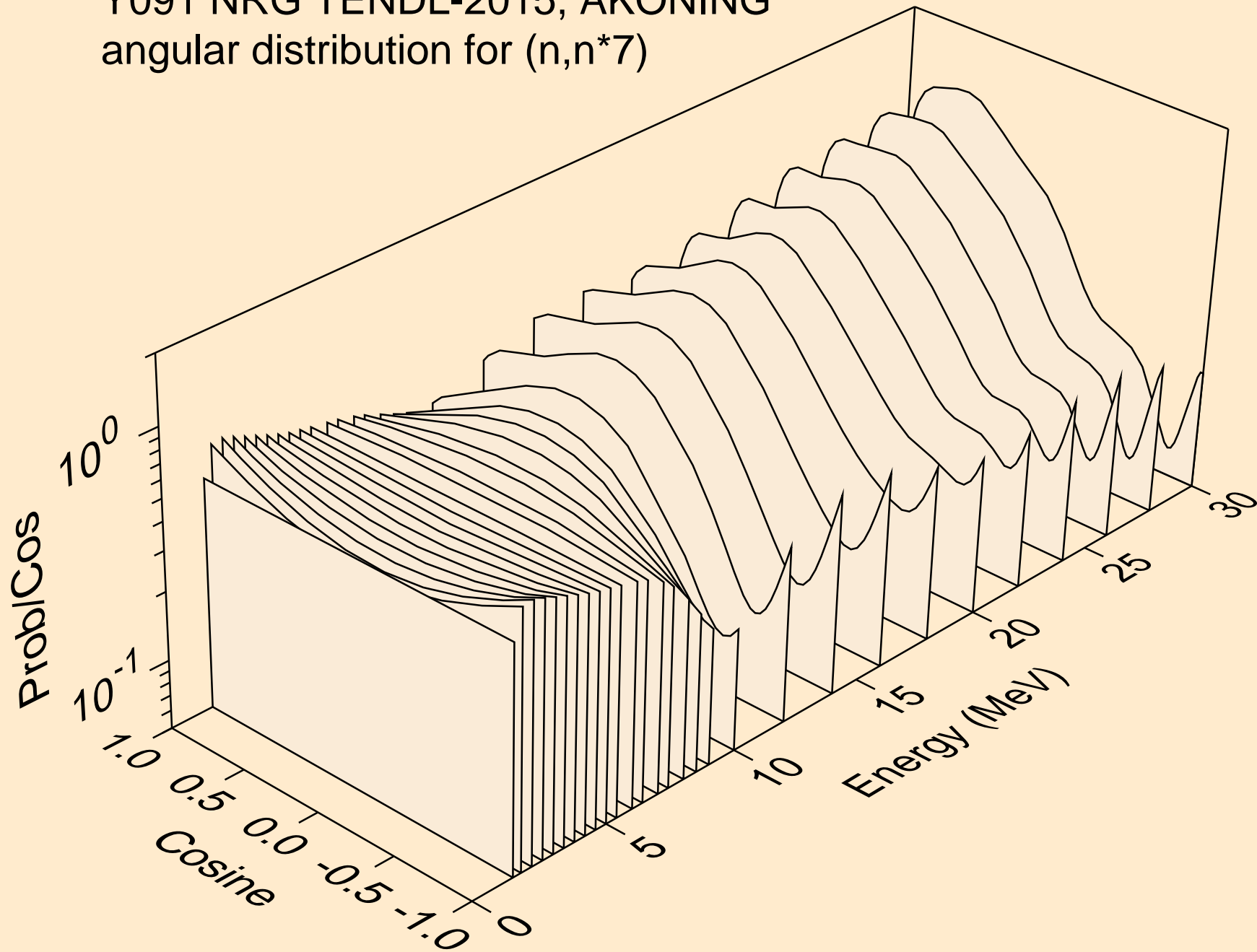


Y091 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)

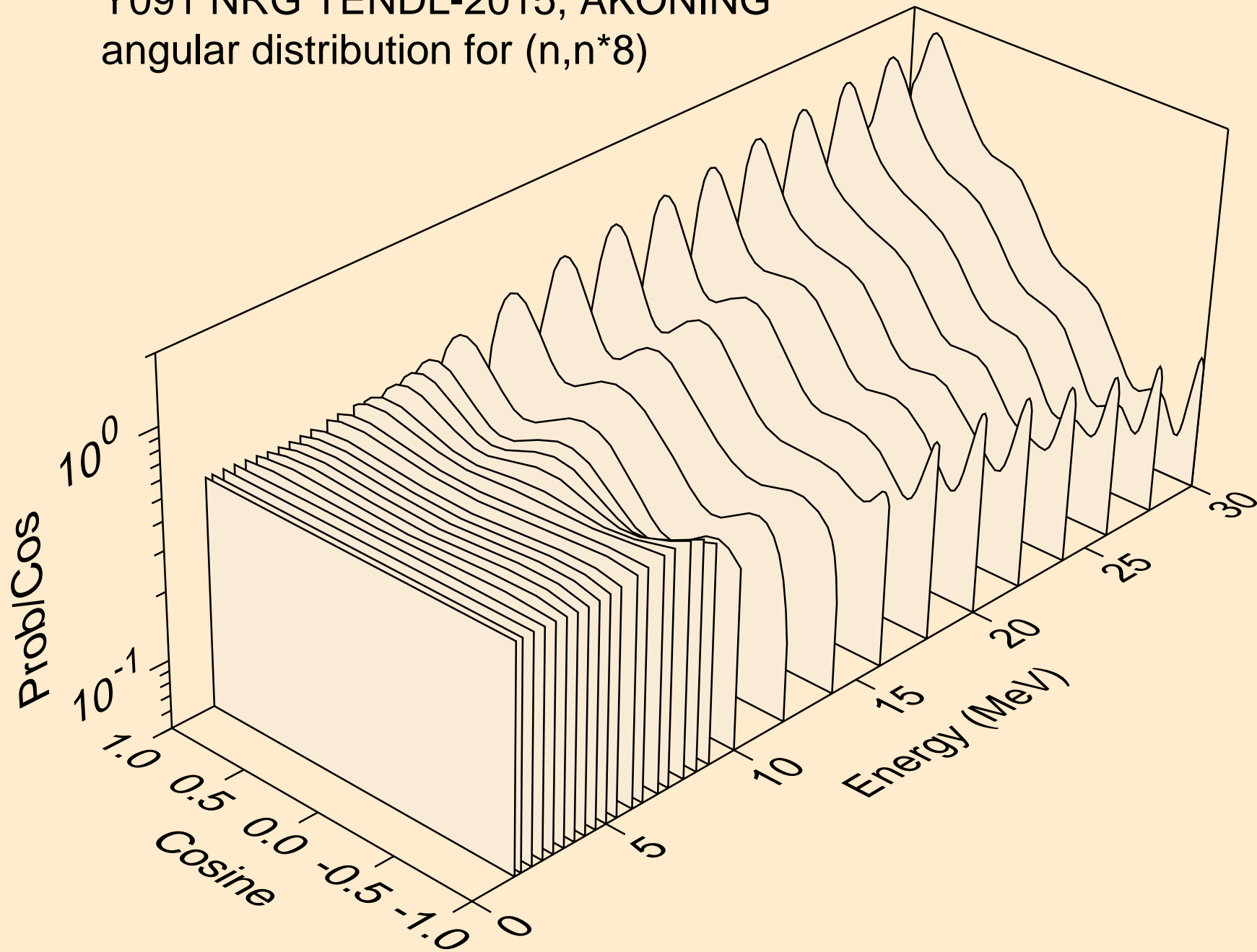




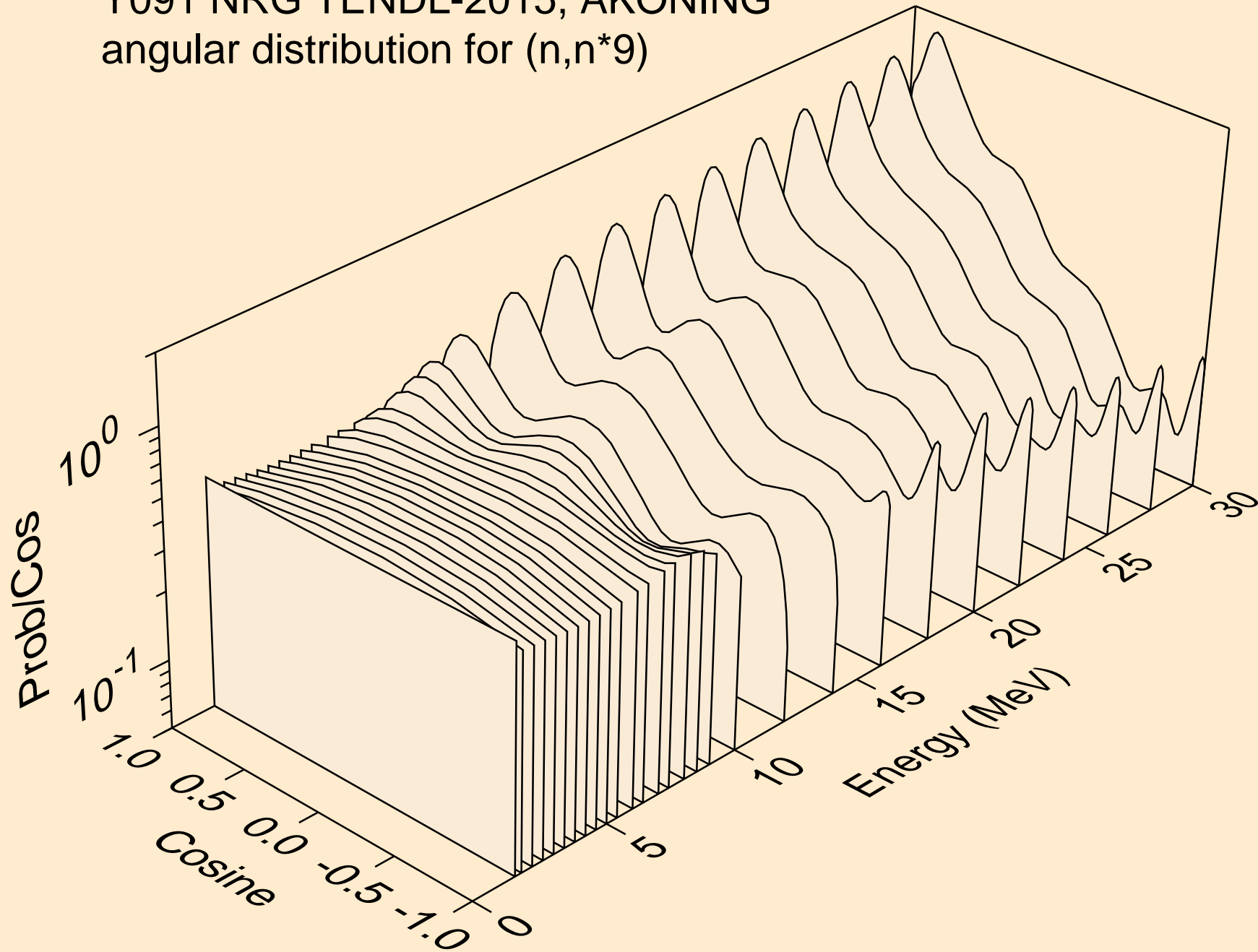
Y091 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



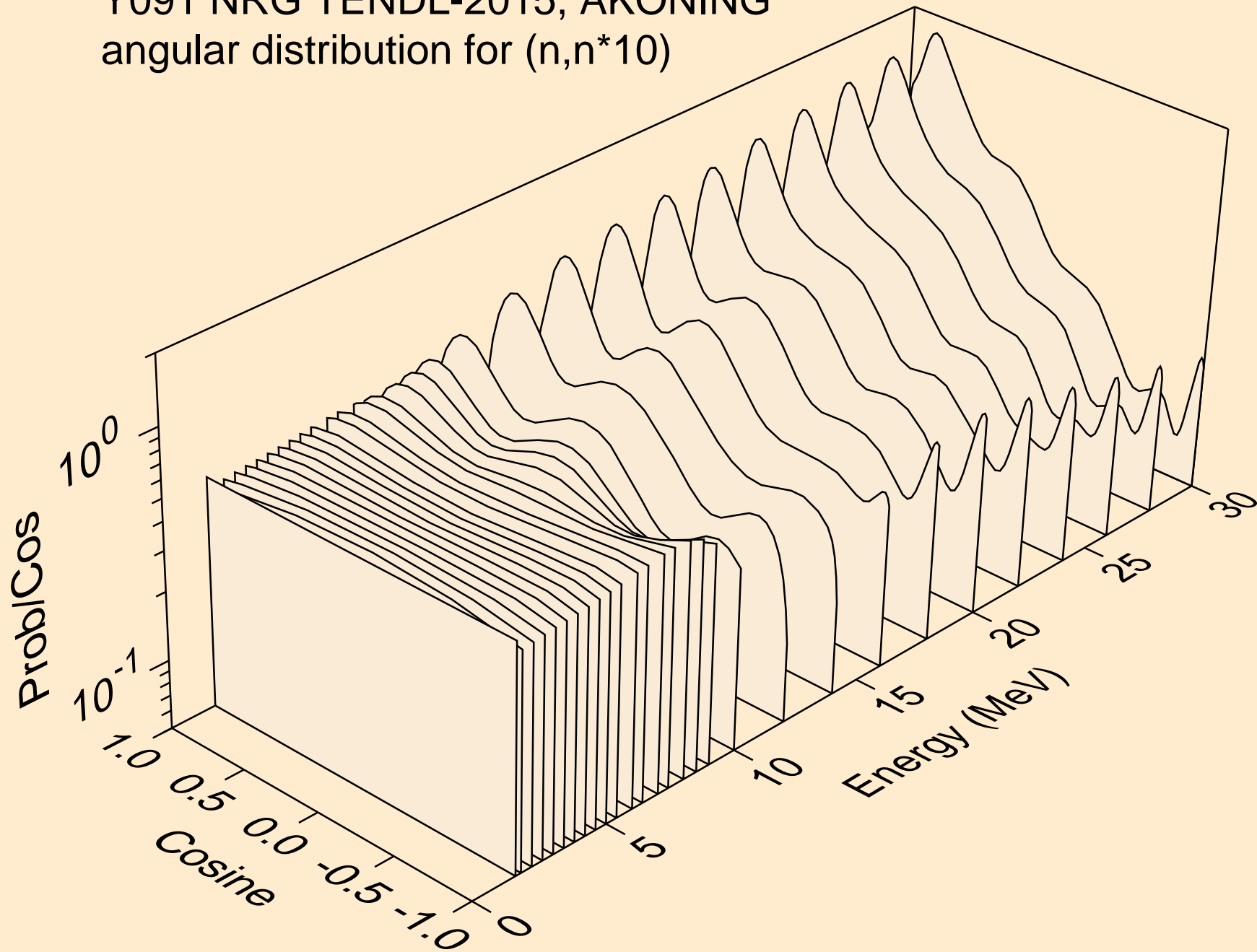
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angular distribution for (n,n\*8)



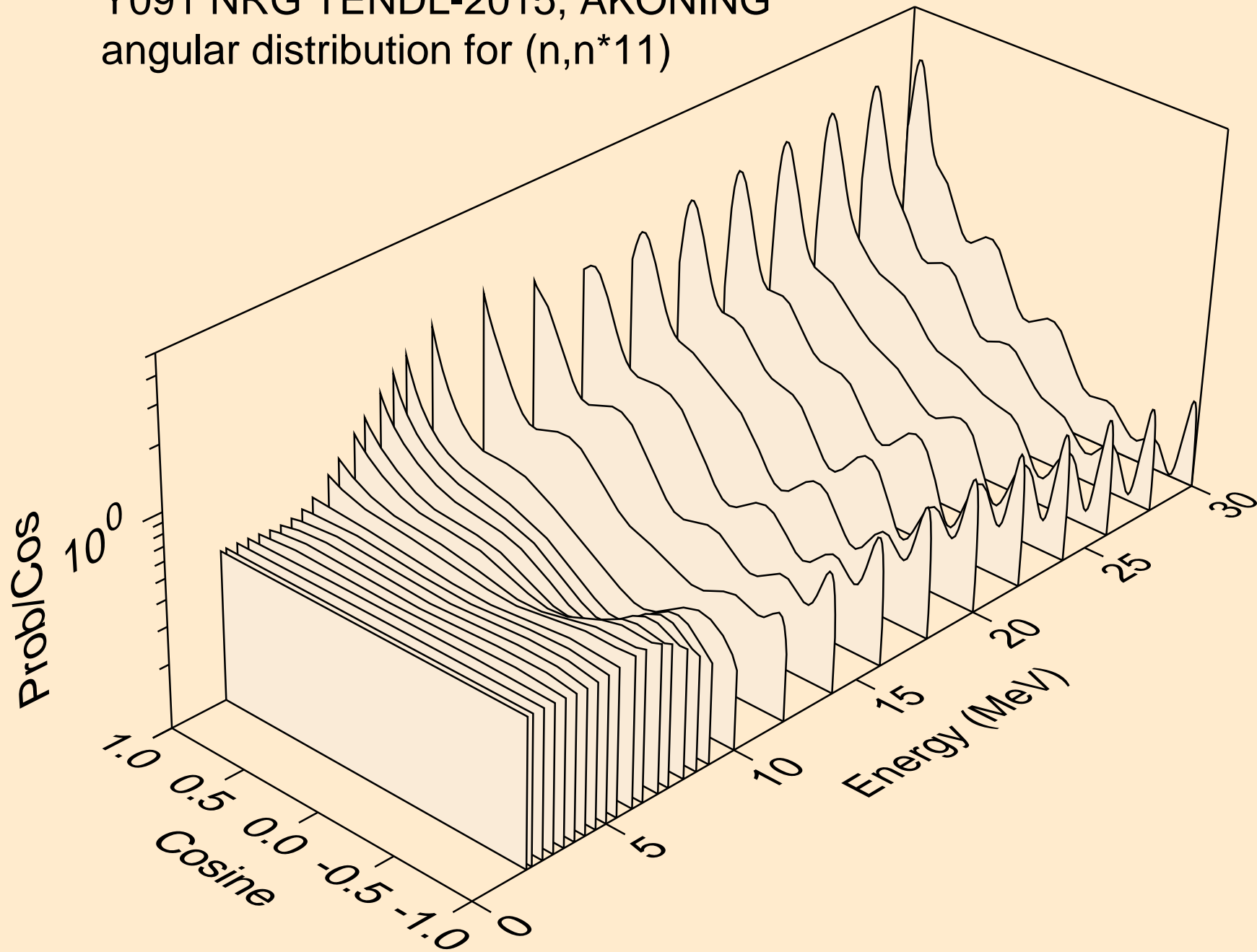
Y091 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



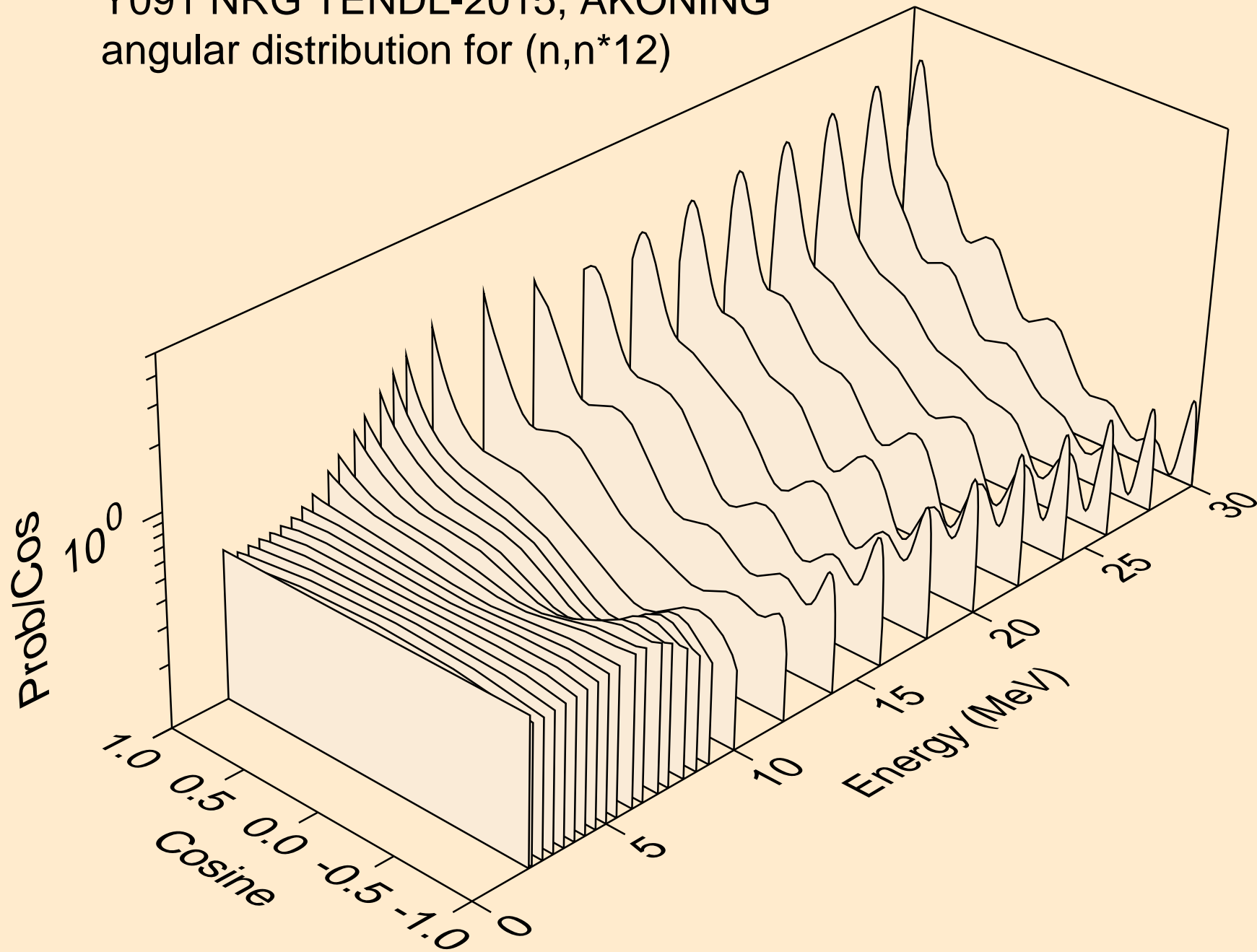
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angular distribution for (n,n\*10)



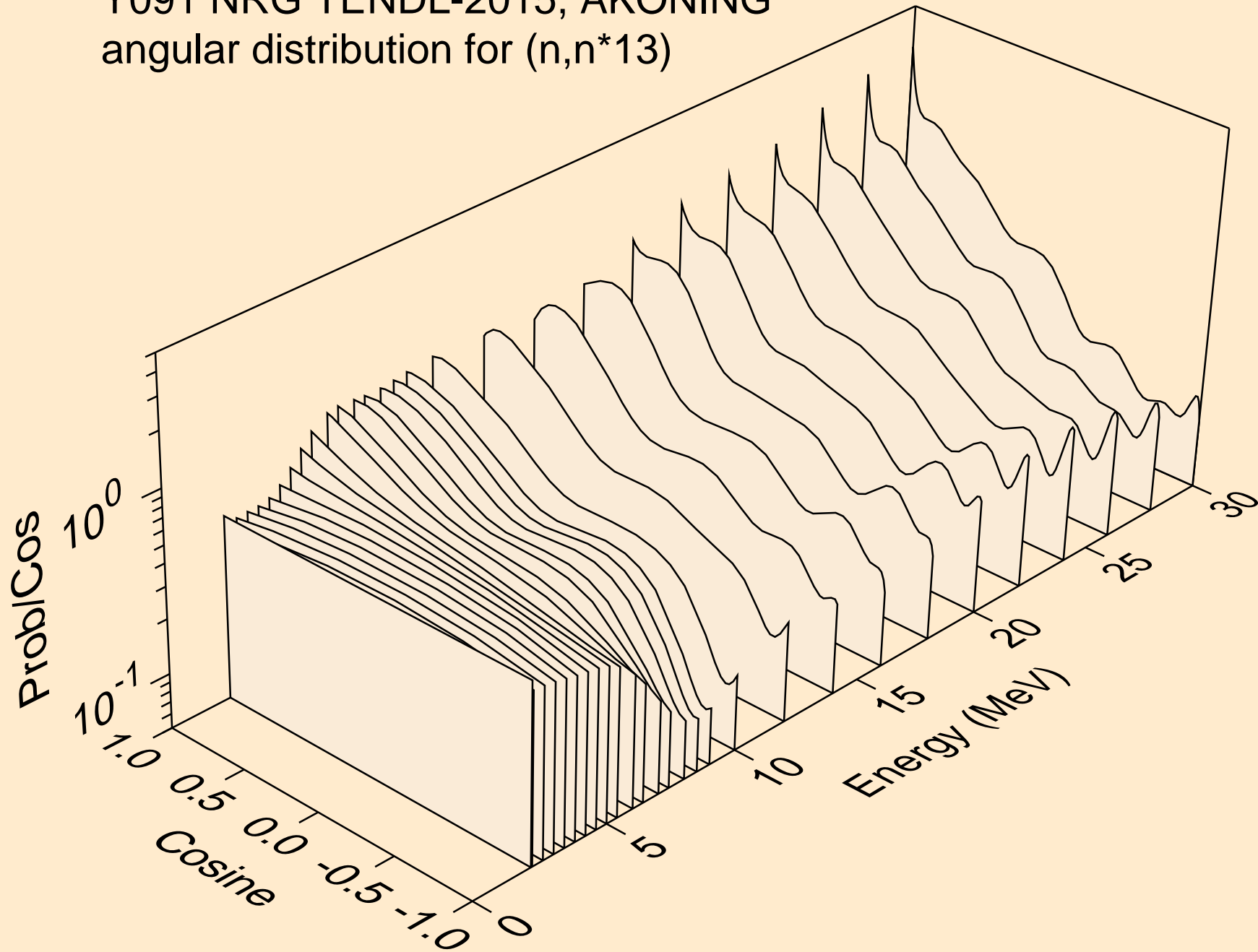
Y091 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



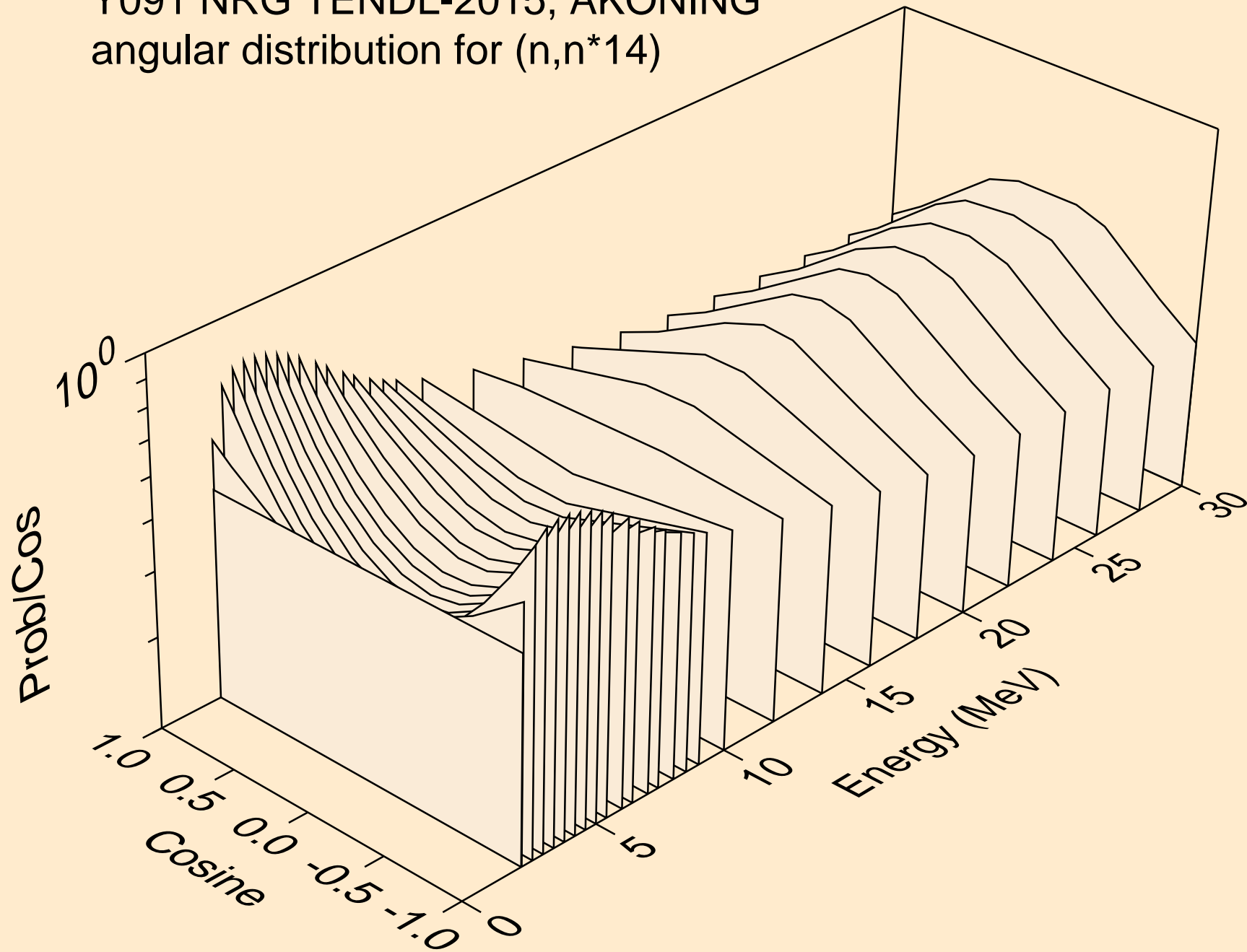
Y091 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



Y091 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)

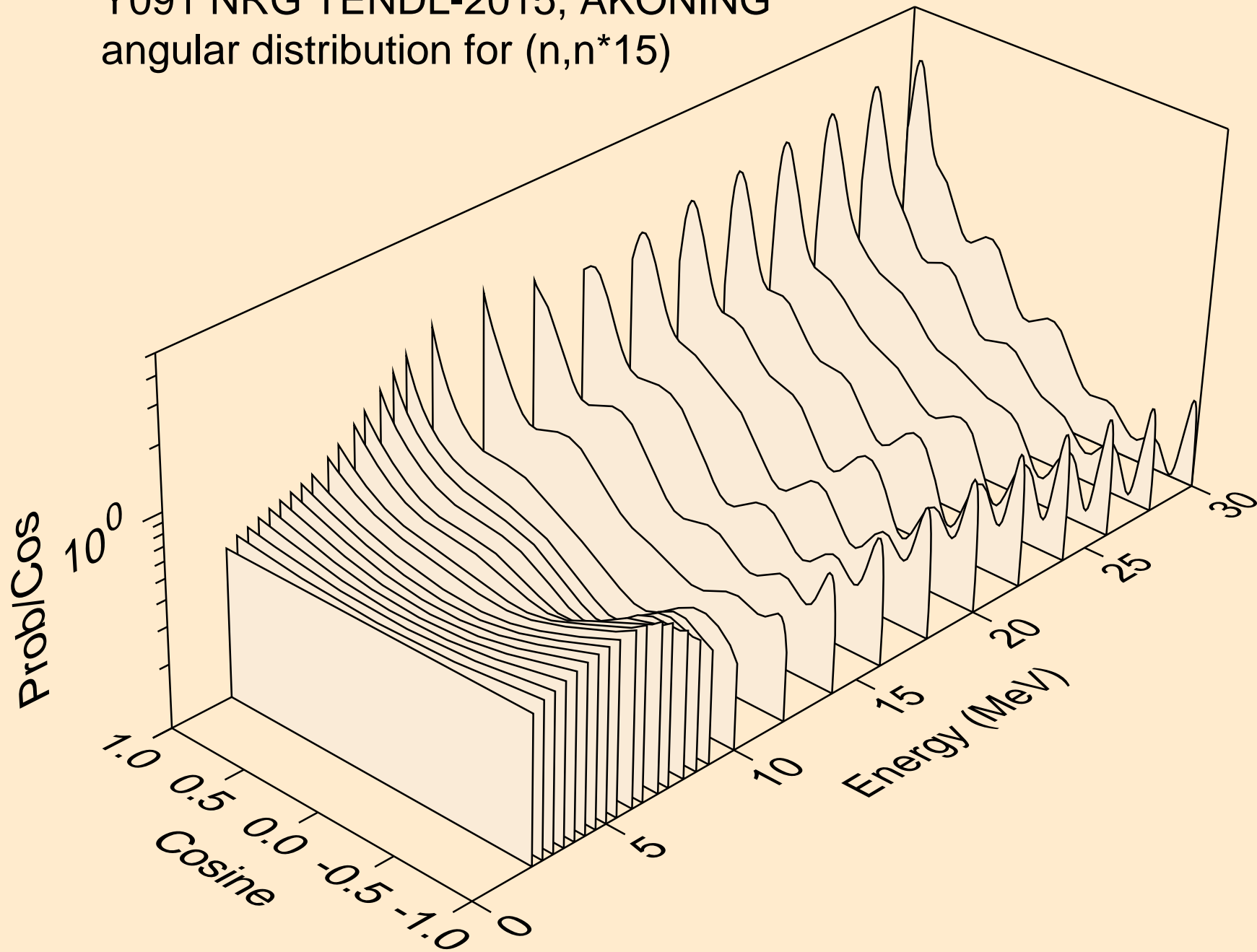


Y091 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)

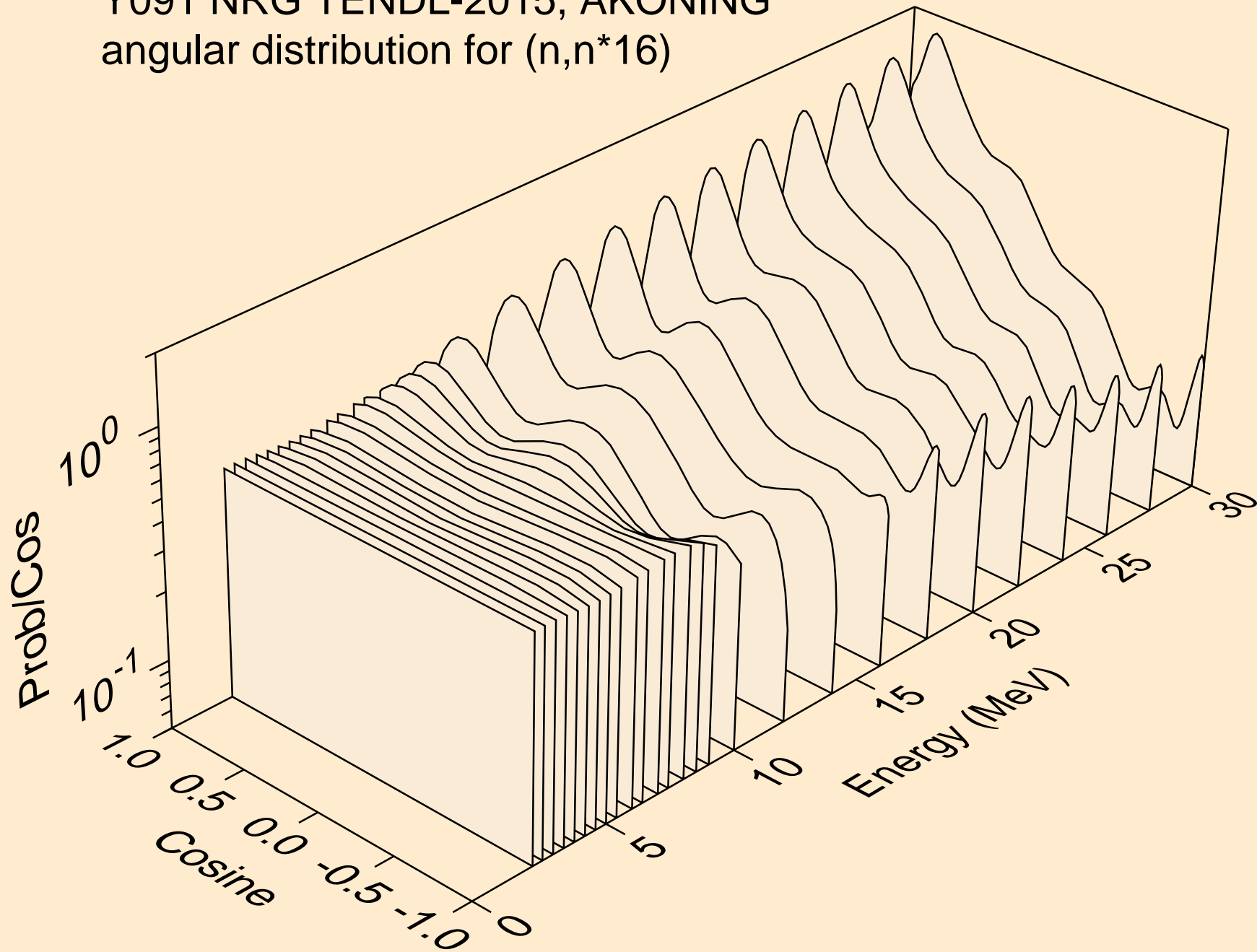




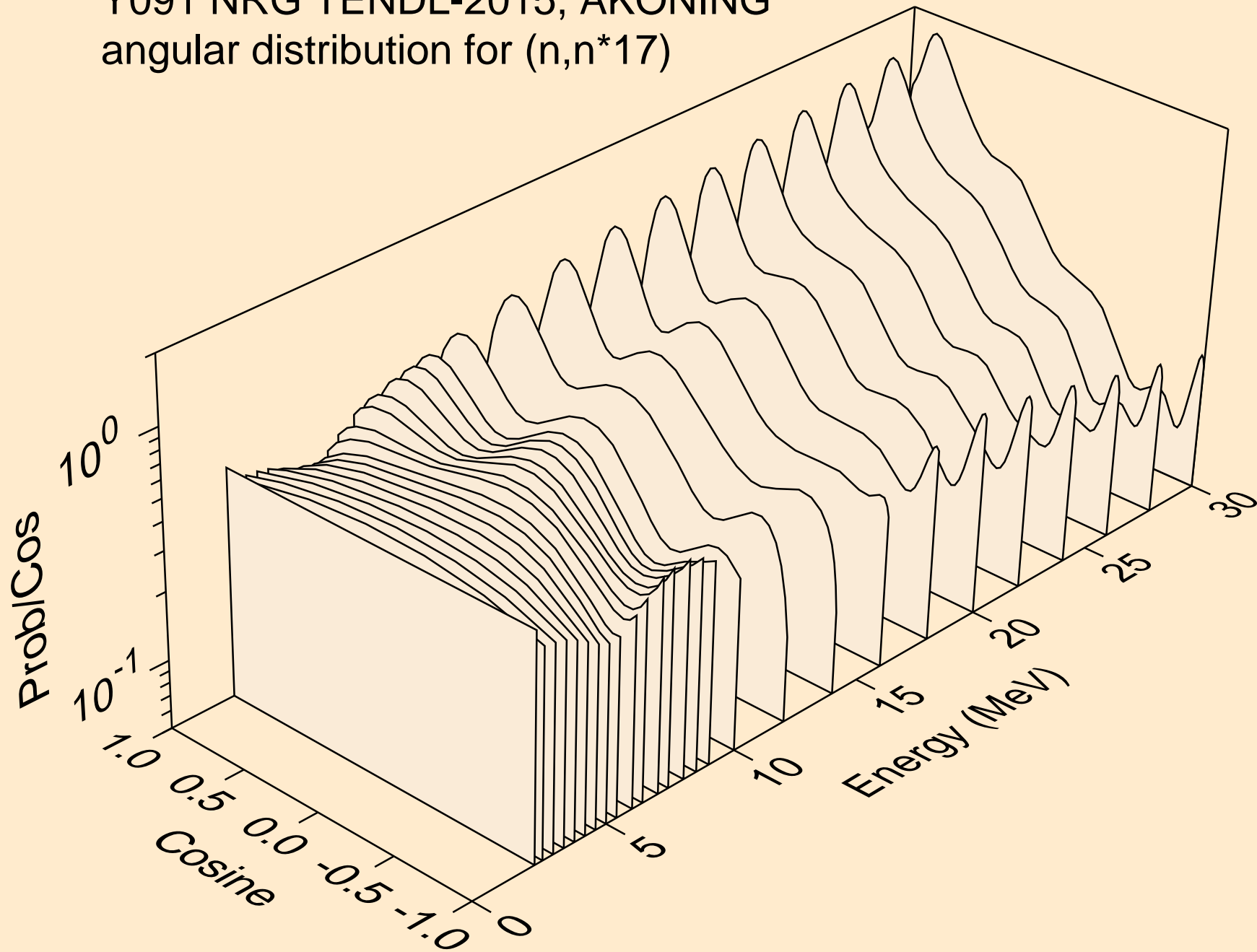
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angular distribution for (n,n\*15)



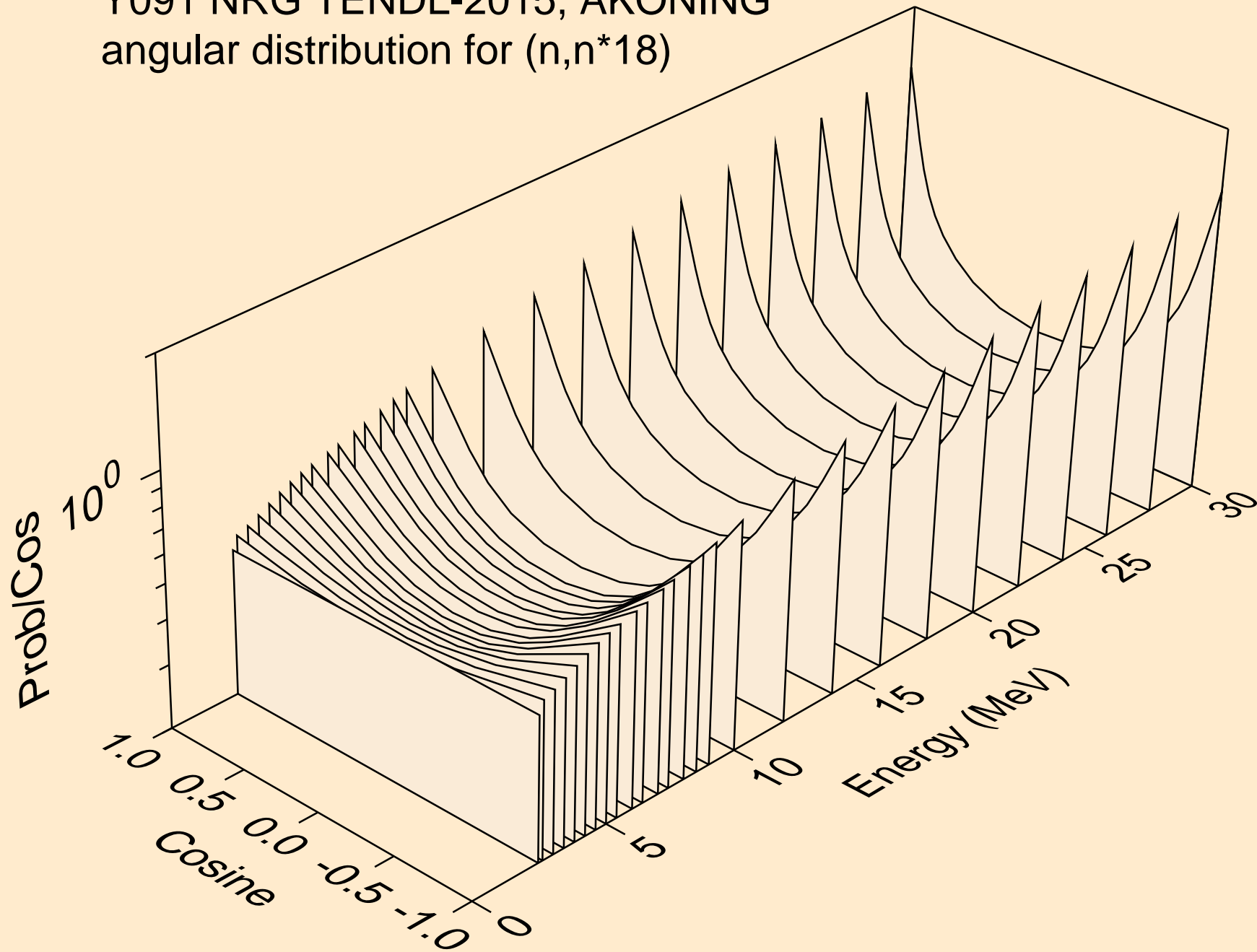
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angular distribution for (n,n\*16)



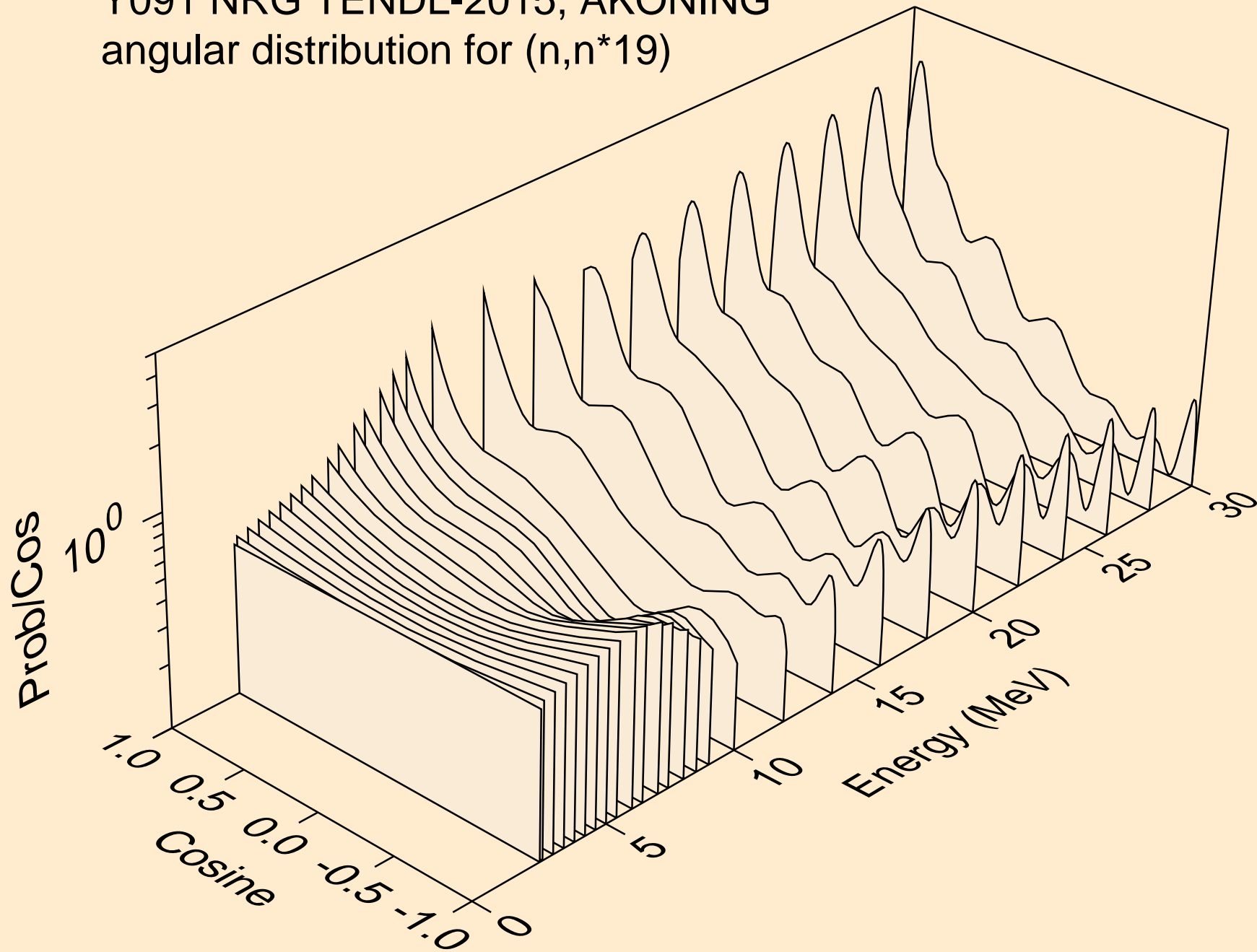
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angular distribution for (n,n\*17)



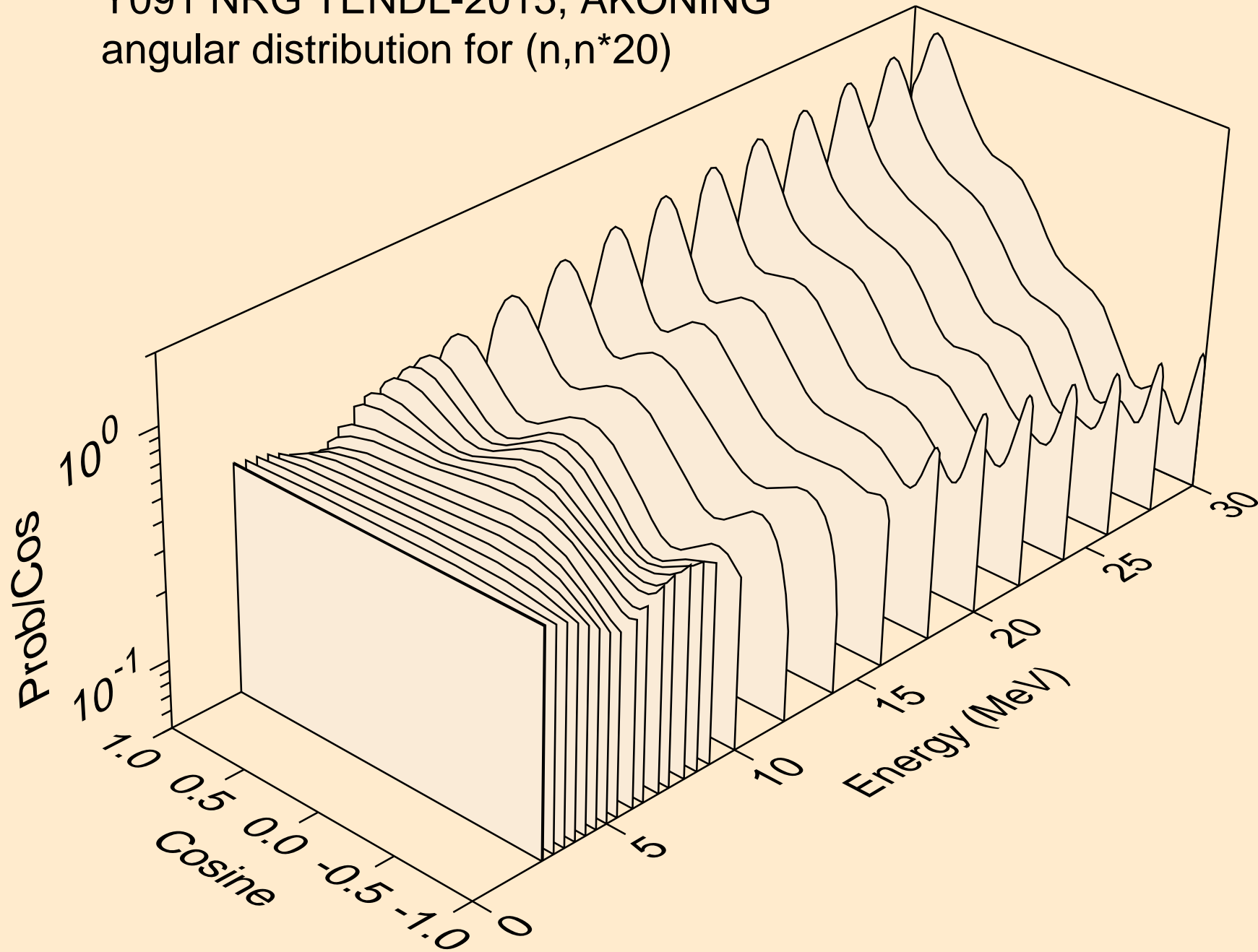
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angular distribution for (n,n\*18)



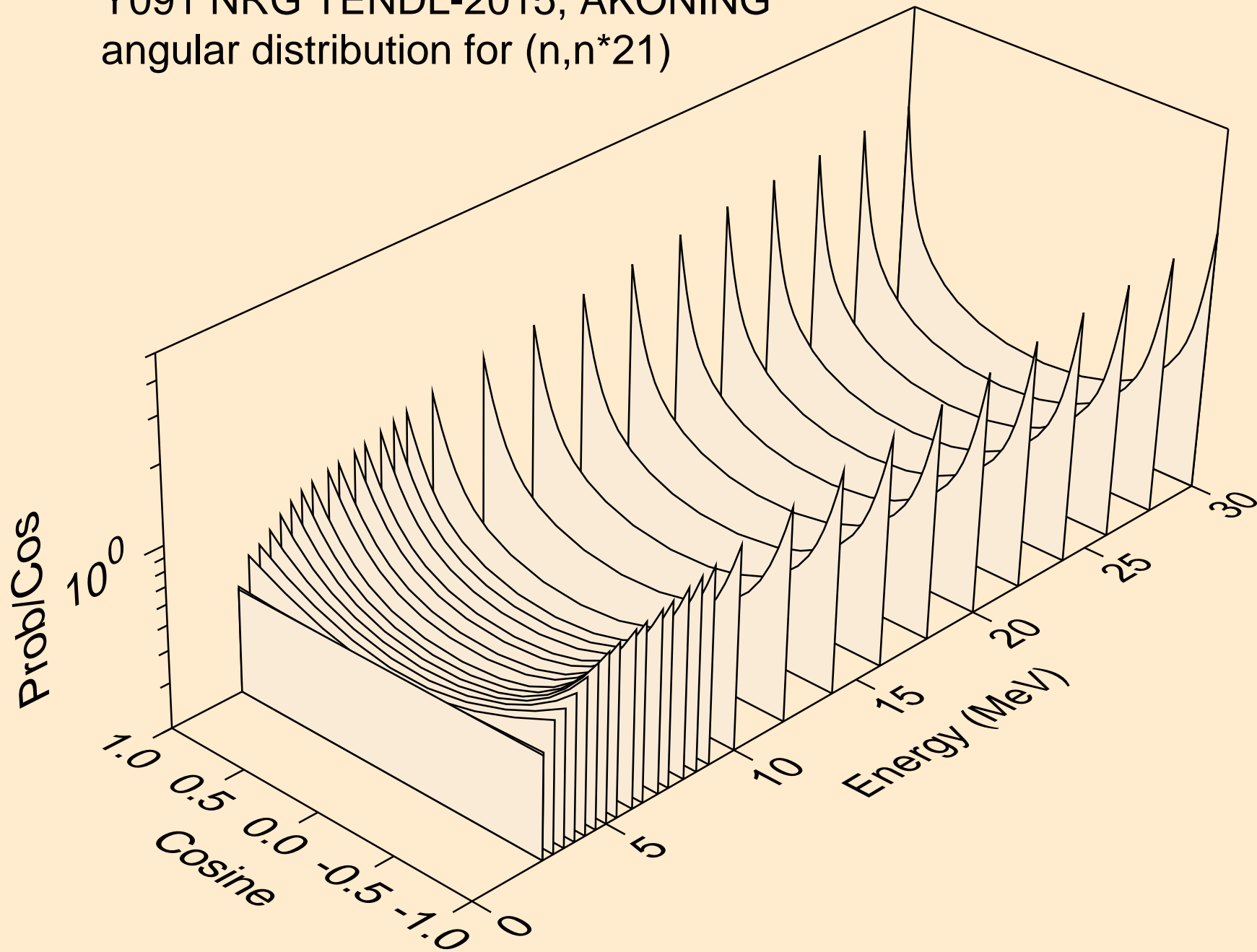
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angular distribution for (n,n\*19)



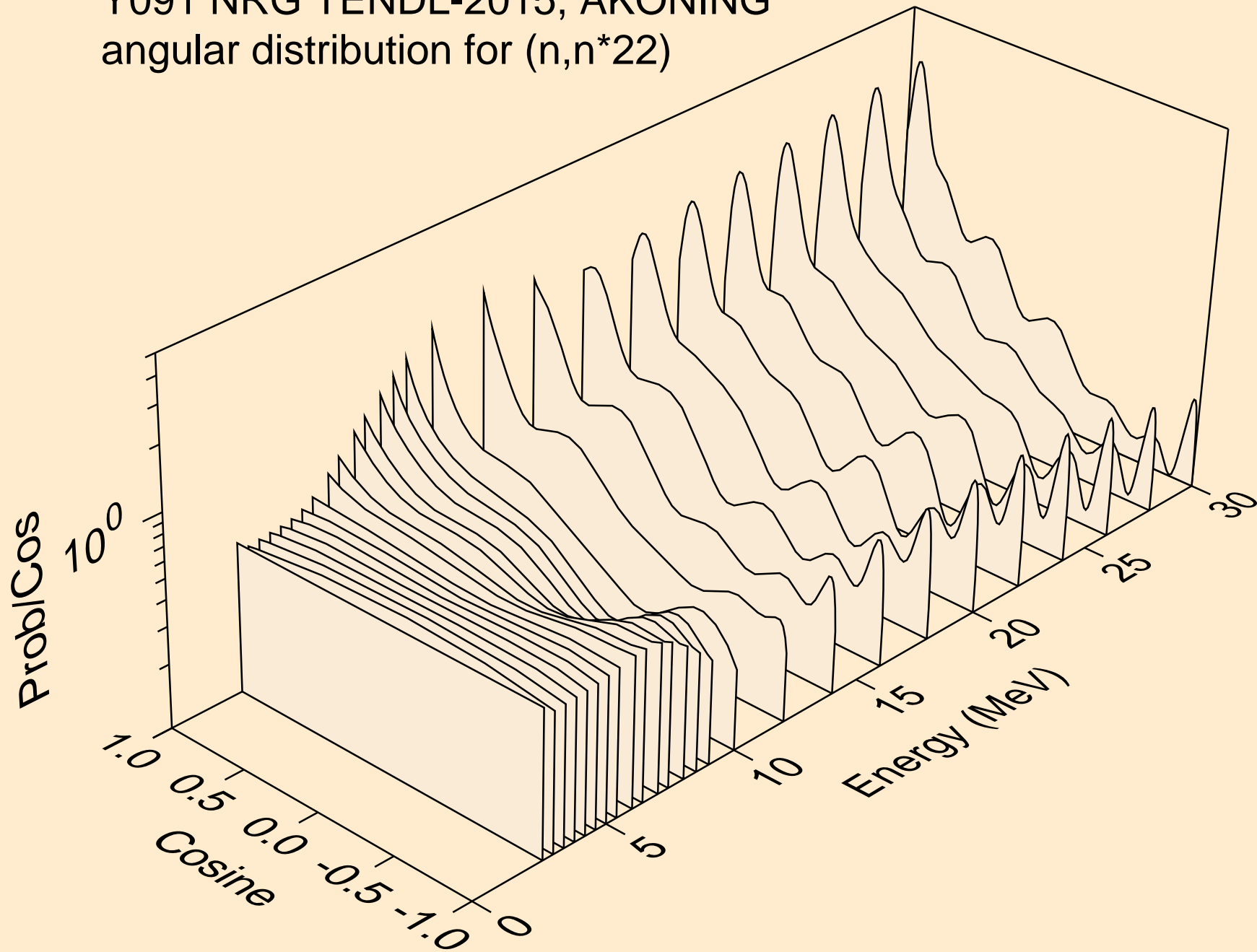
Y091 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



Y091 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)

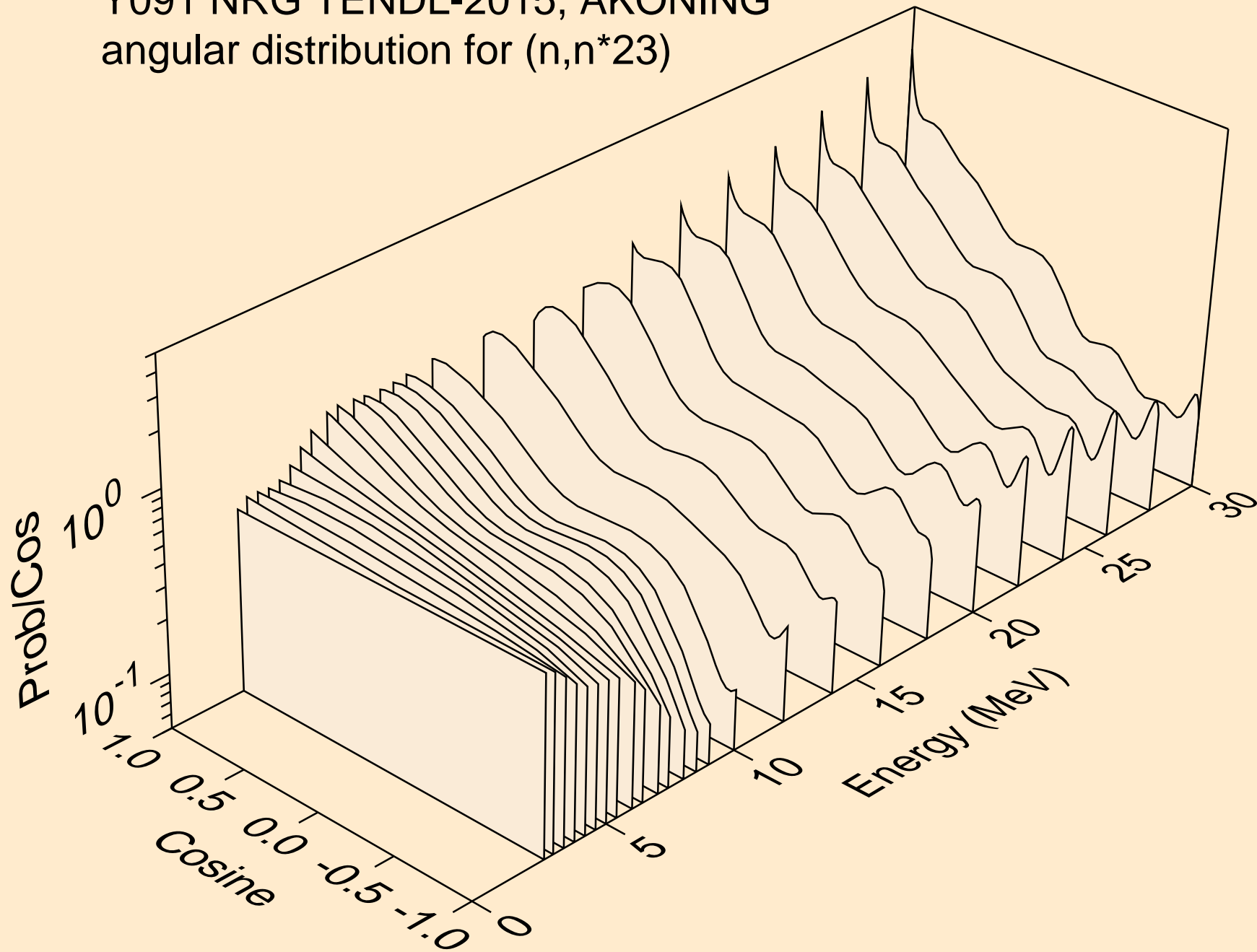


Y091 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)

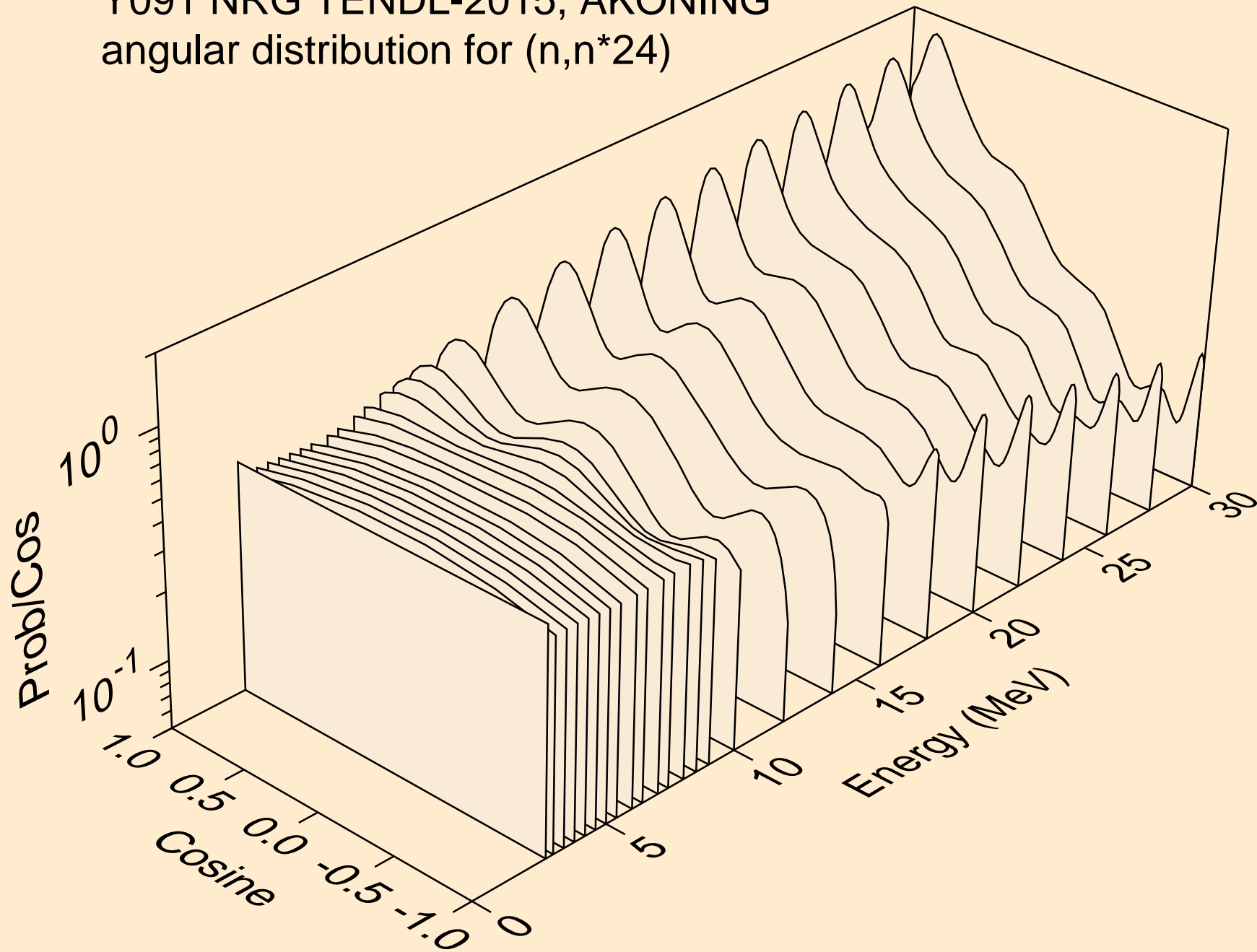




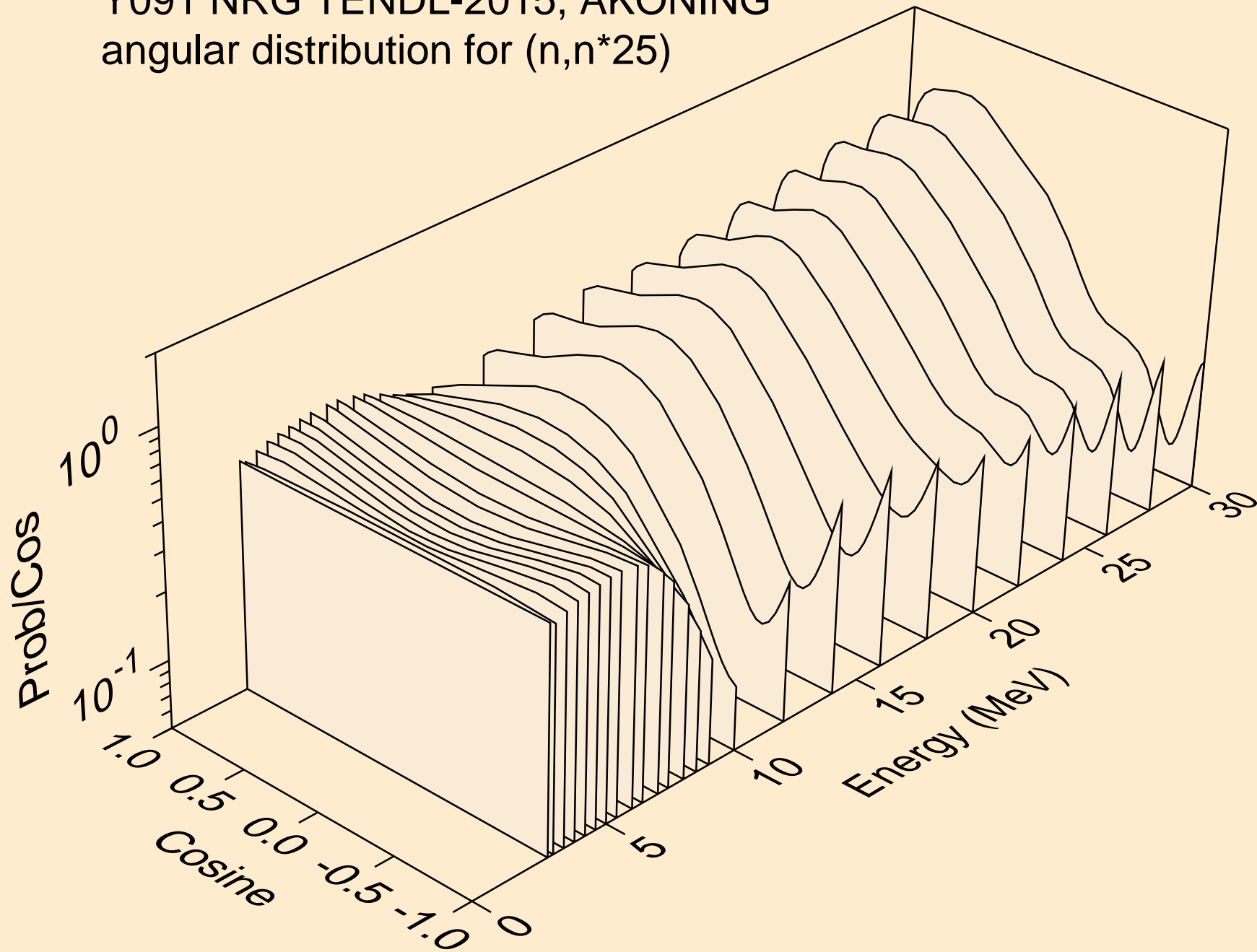
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angular distribution for (n,n\*23)



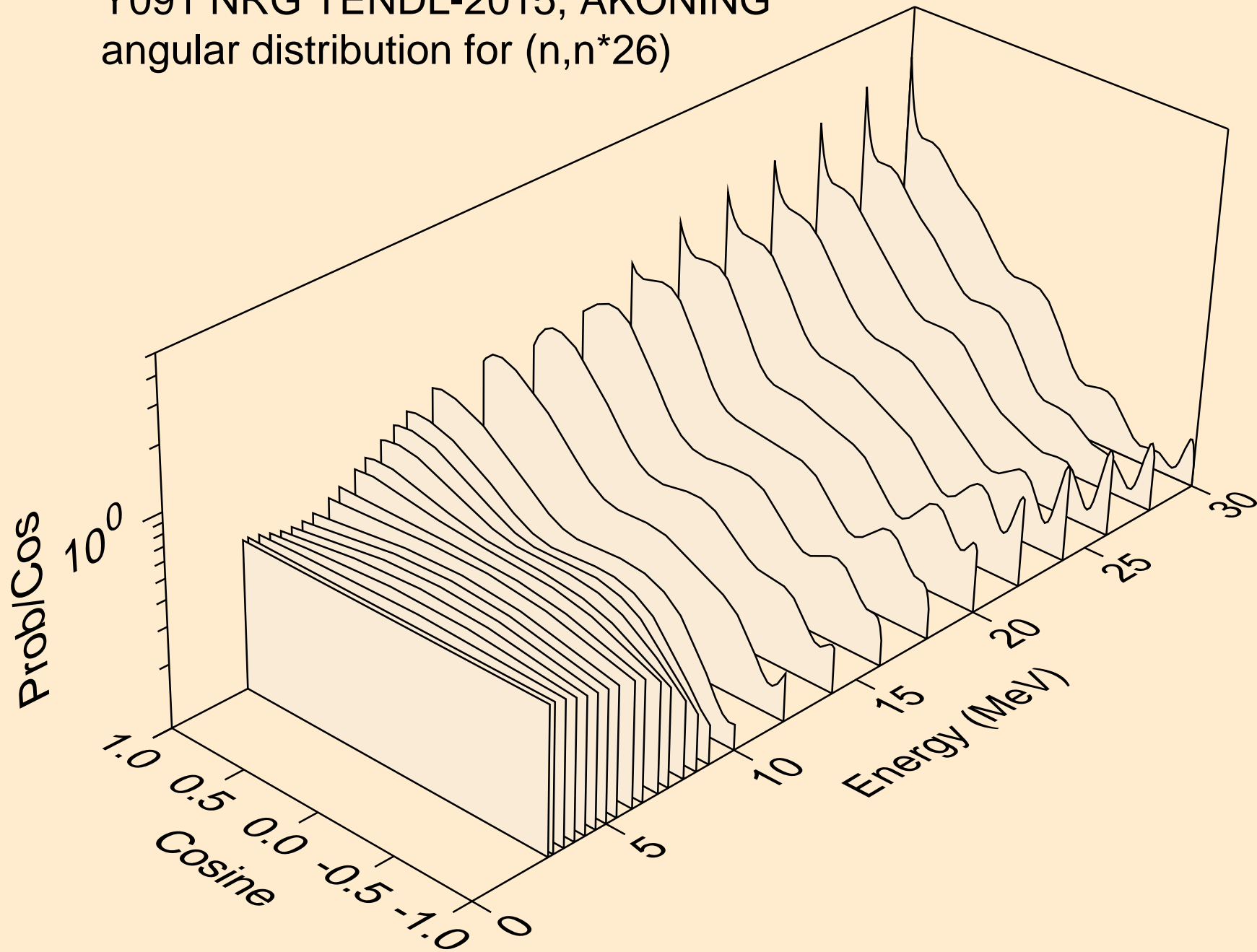
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angular distribution for (n,n\*24)



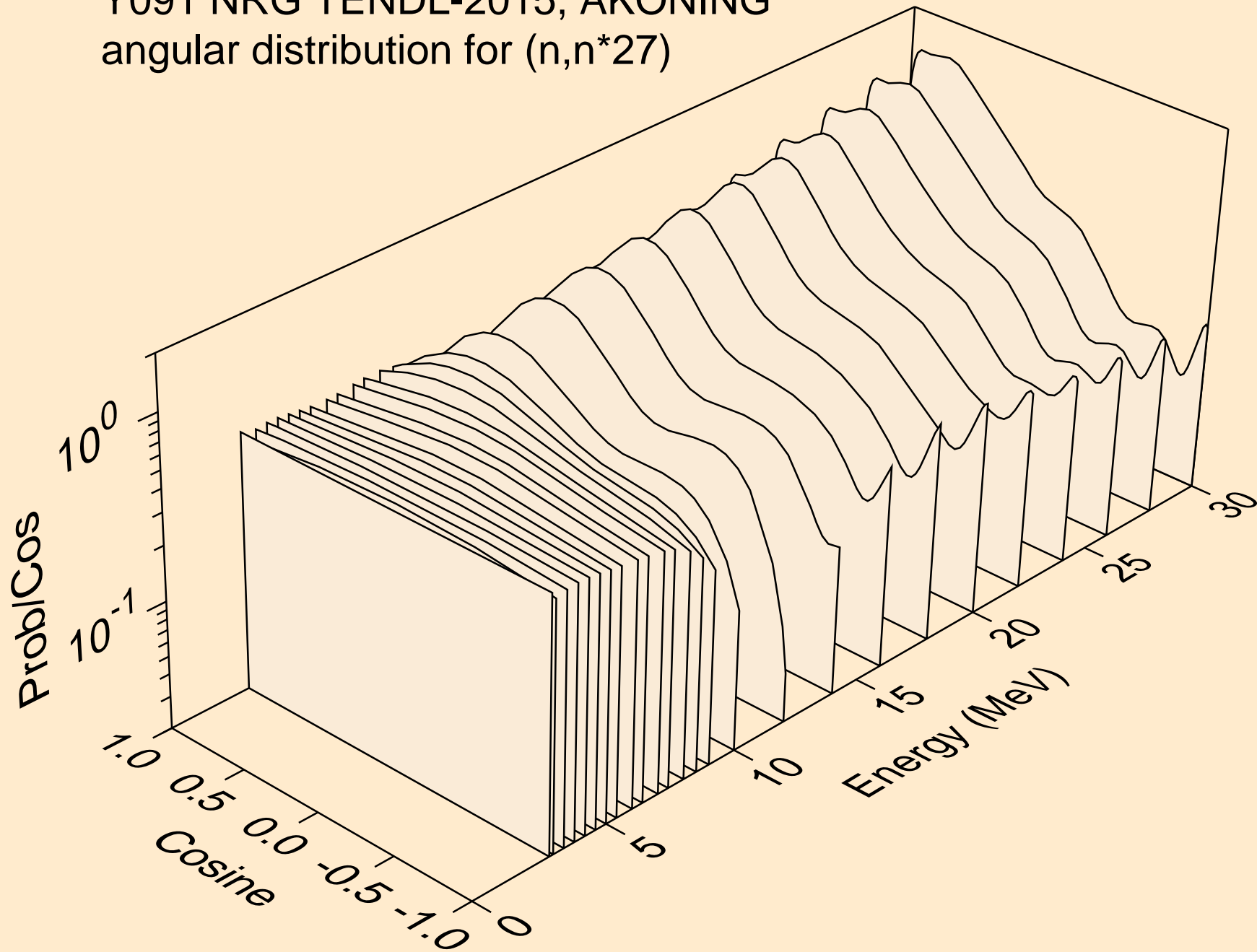
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angular distribution for (n,n\*25)



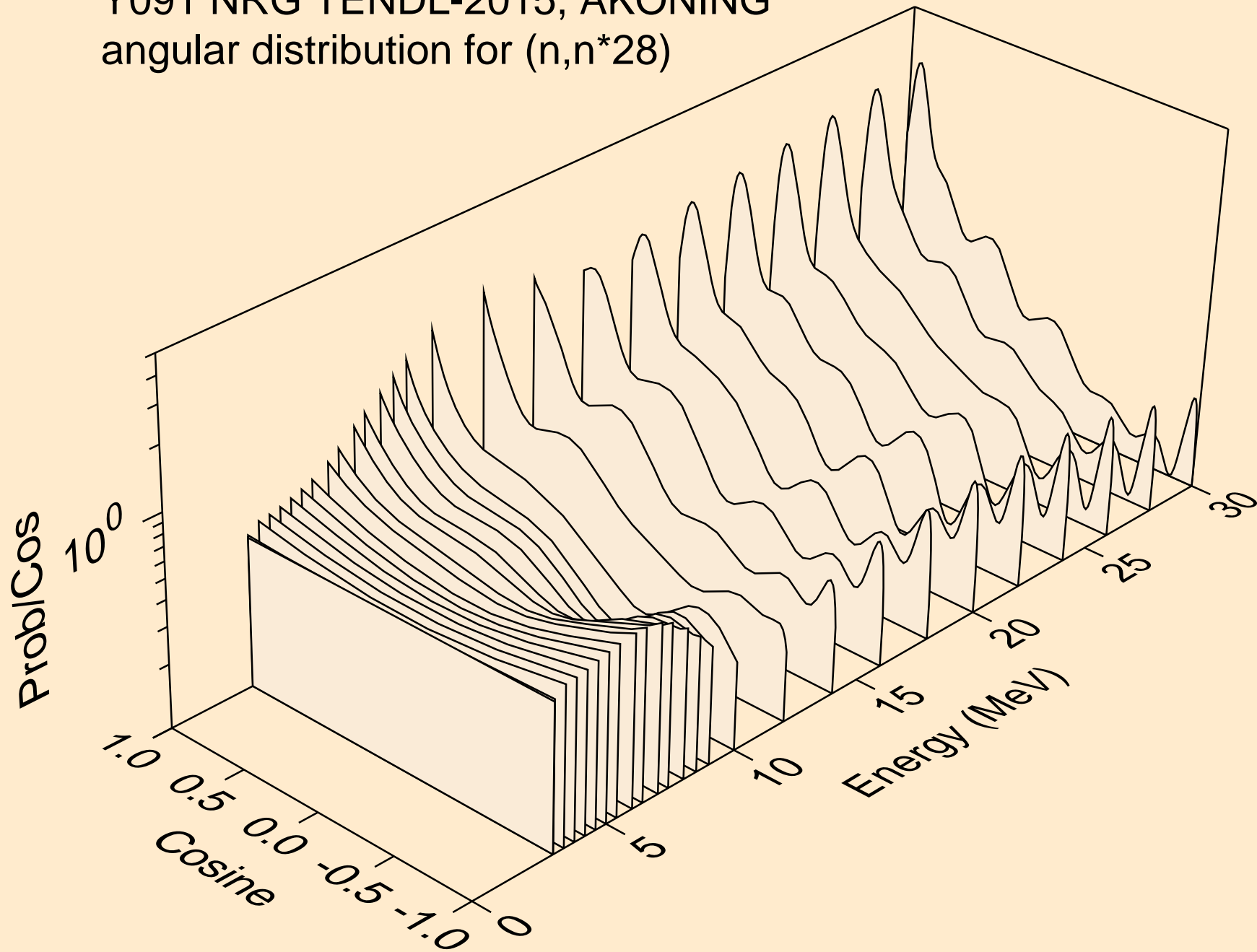
Y091 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



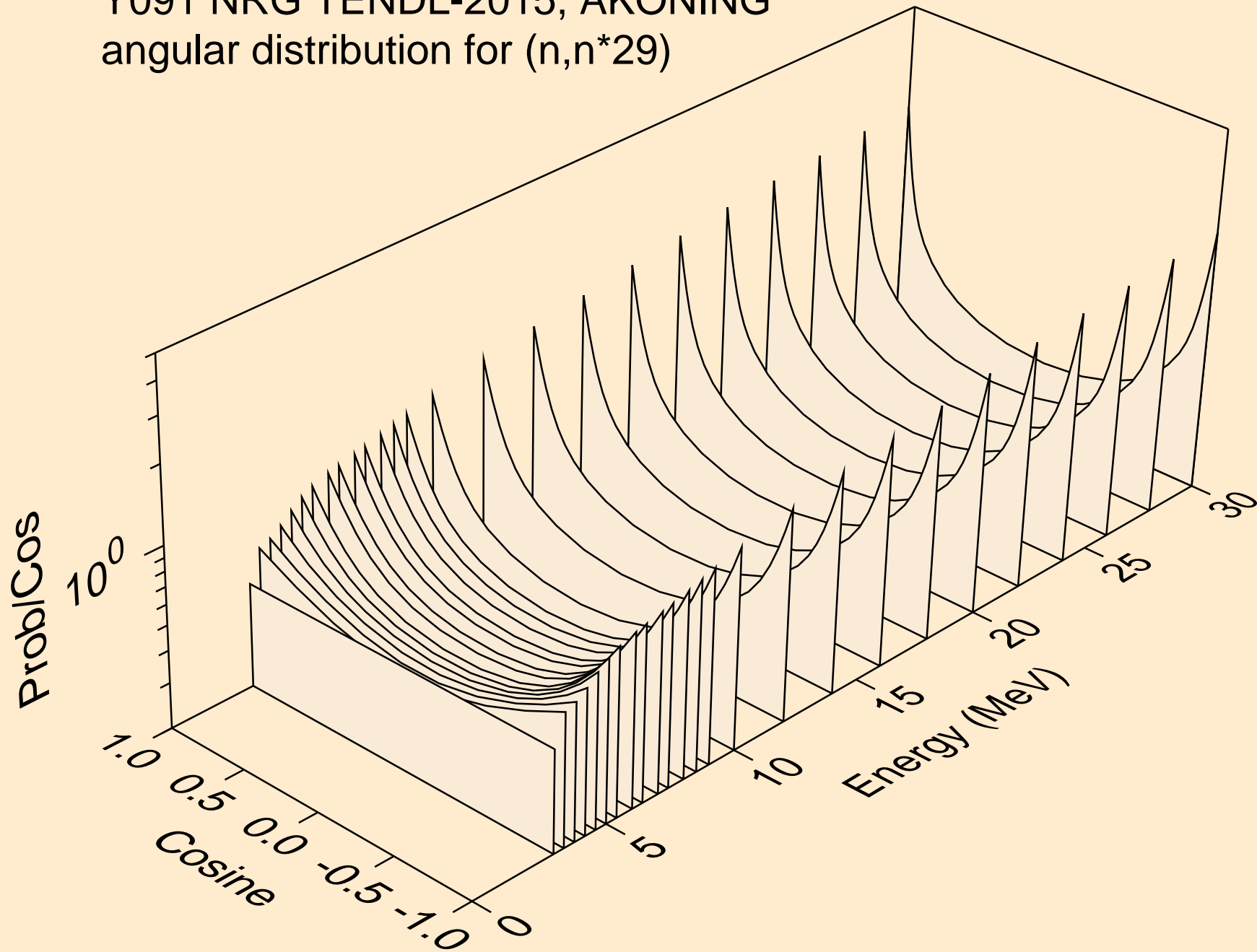
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angular distribution for (n,n\*27)



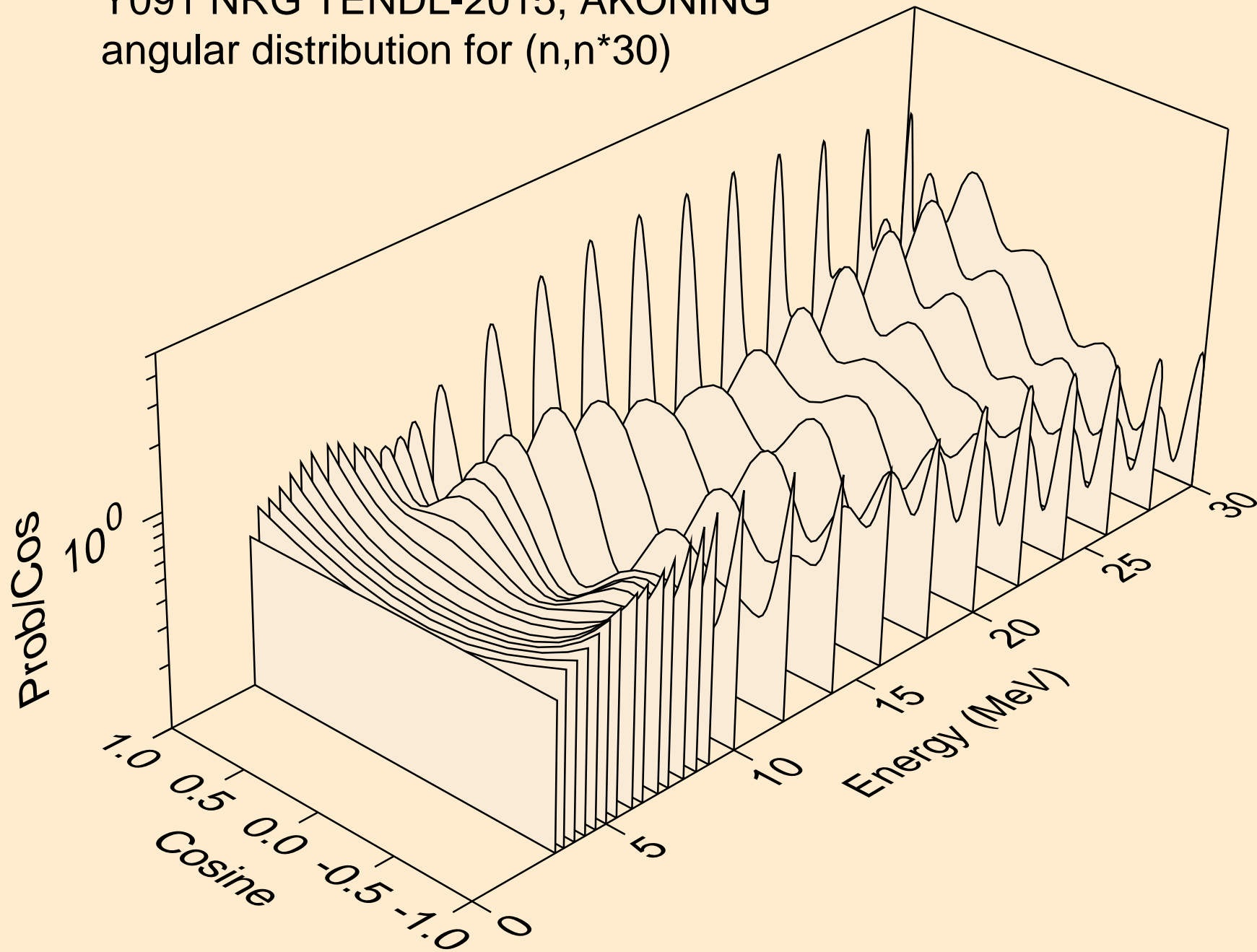
Y091 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)



Y091 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*29)

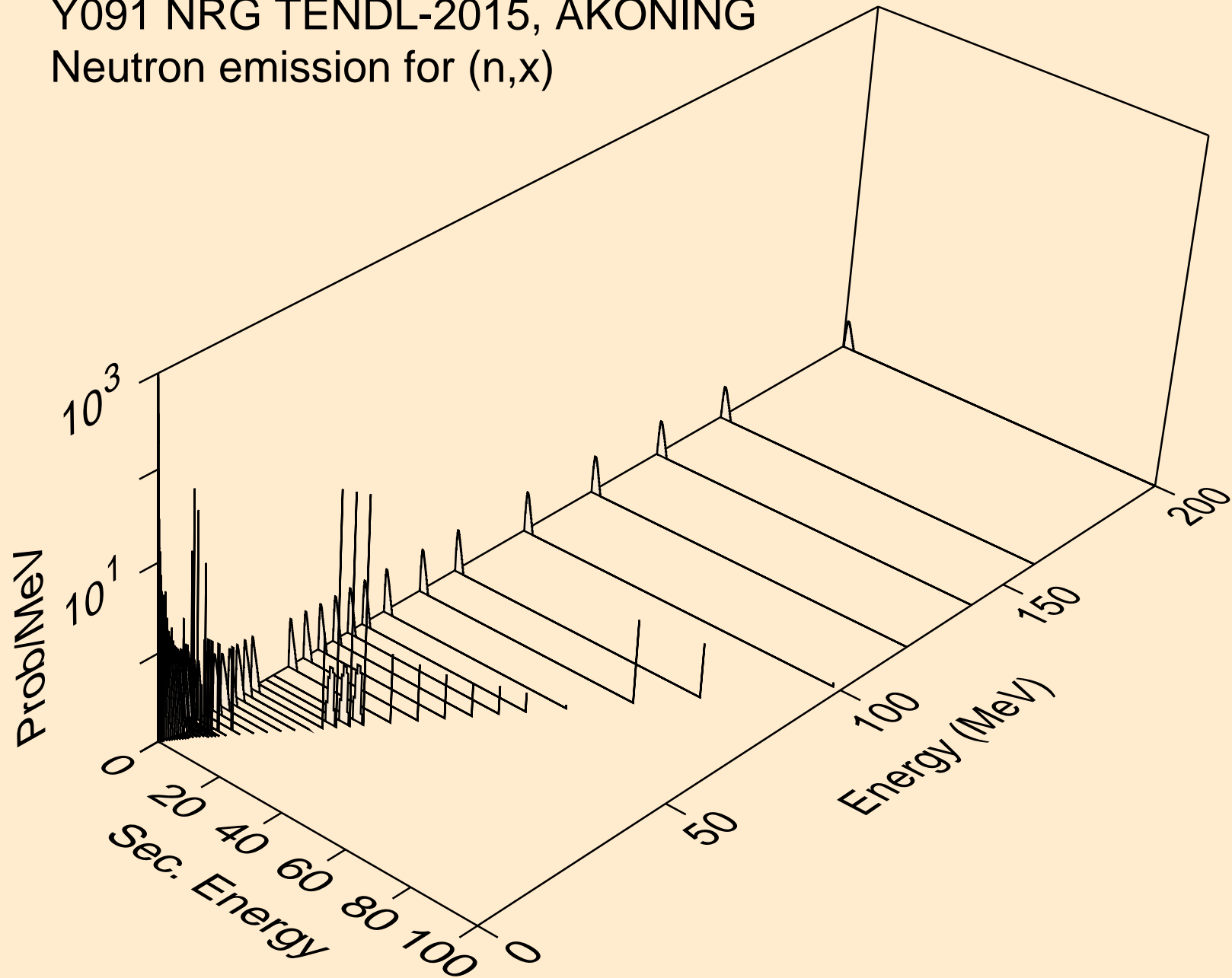


Y091 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*30)

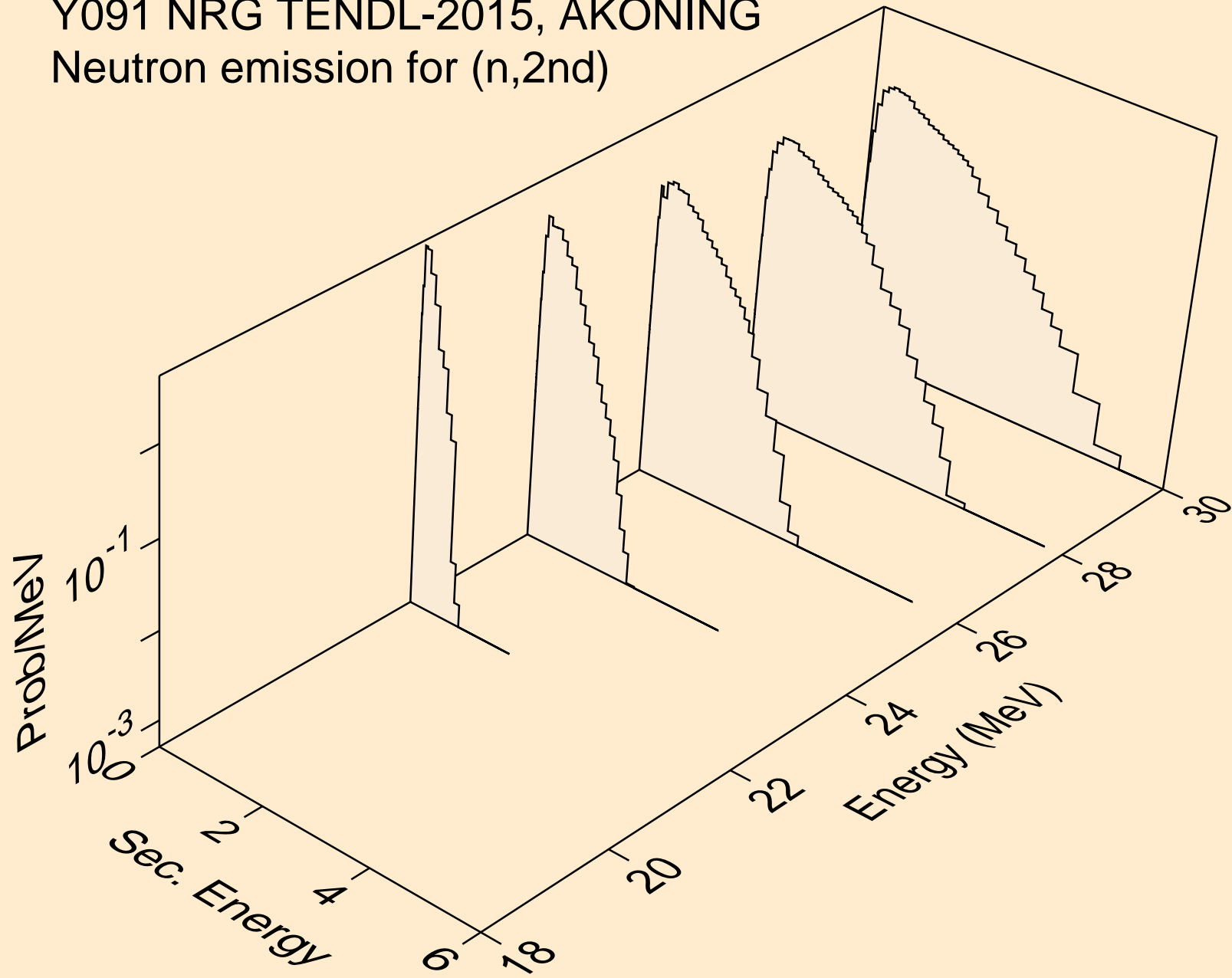




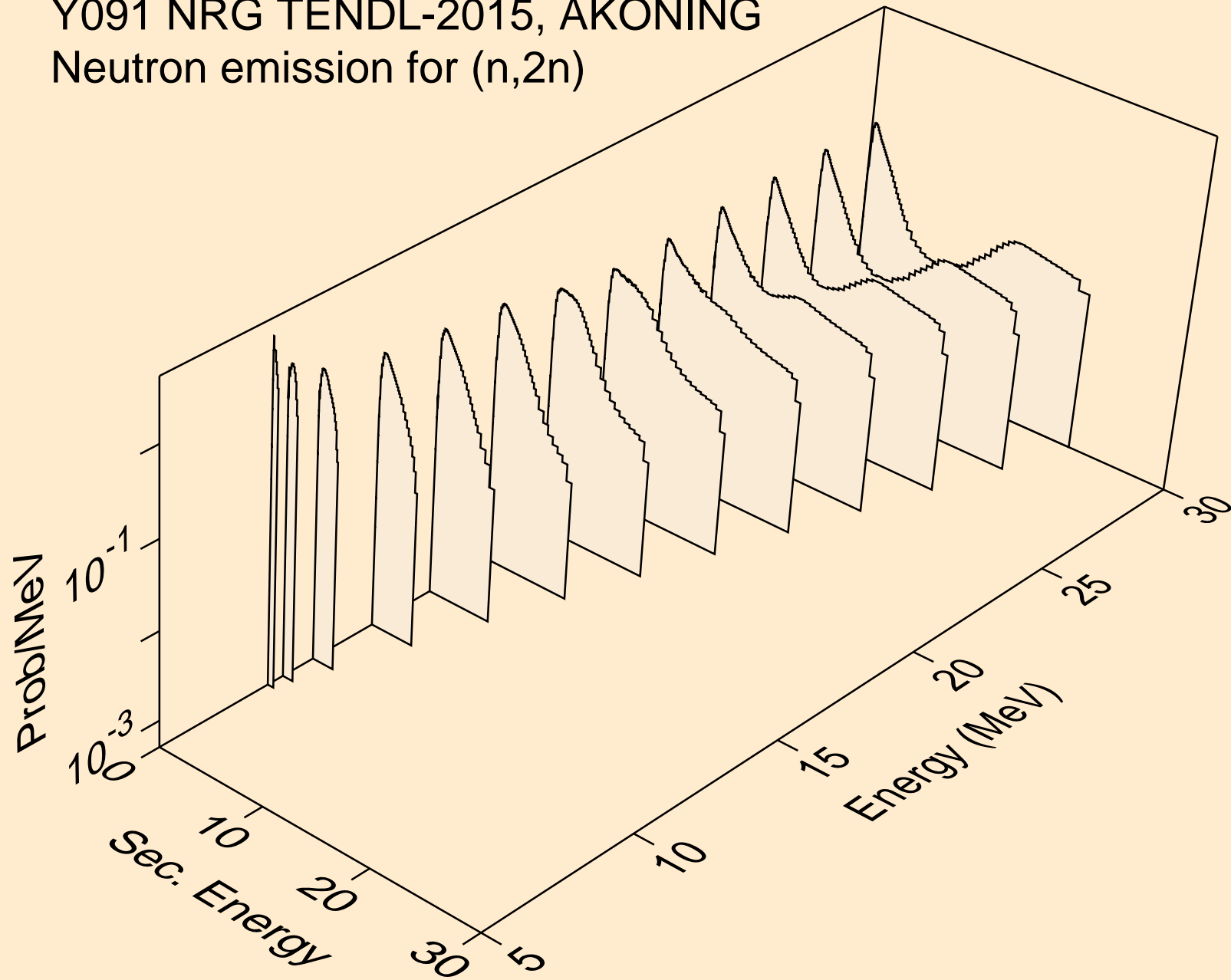
Y091 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



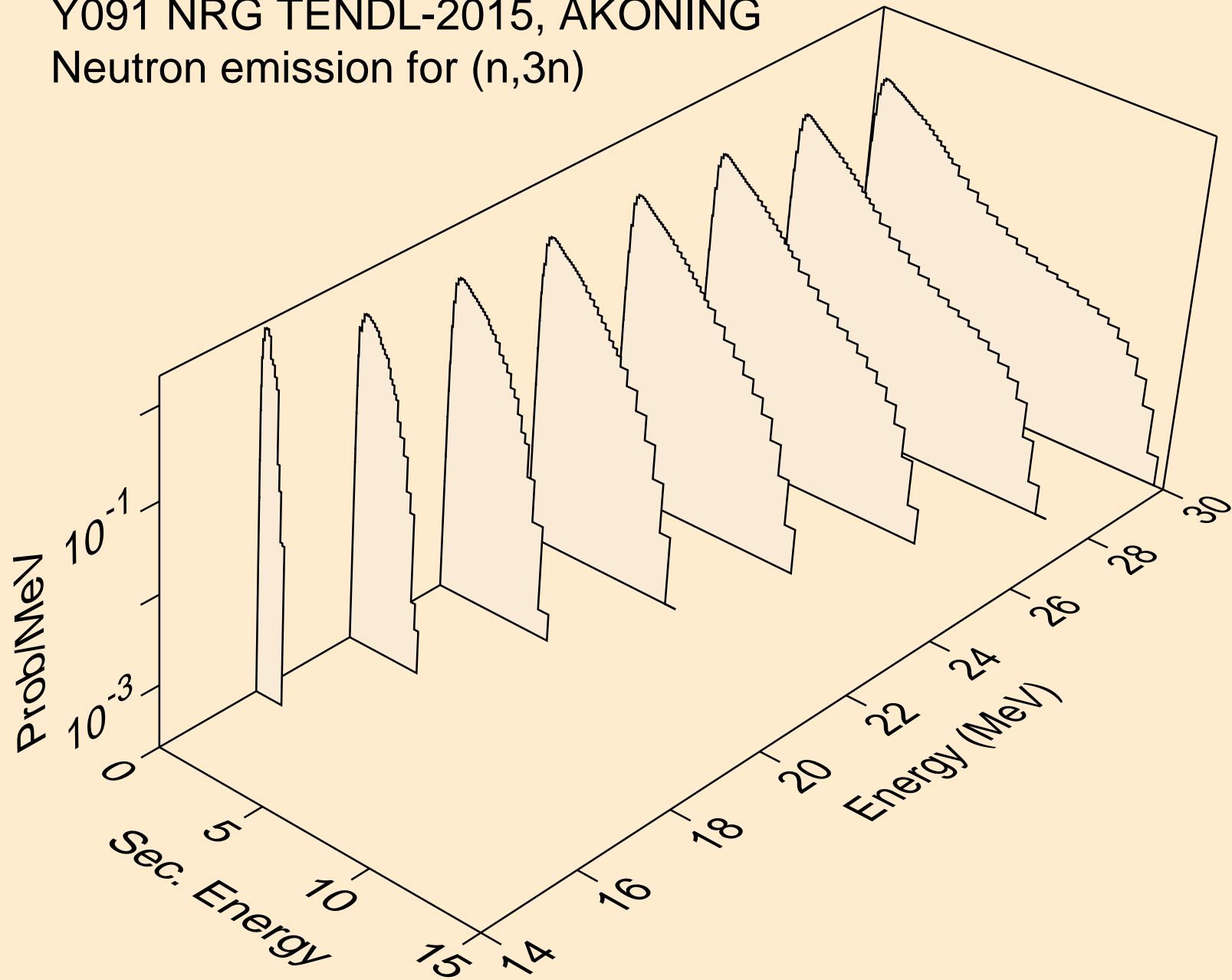
Y091 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



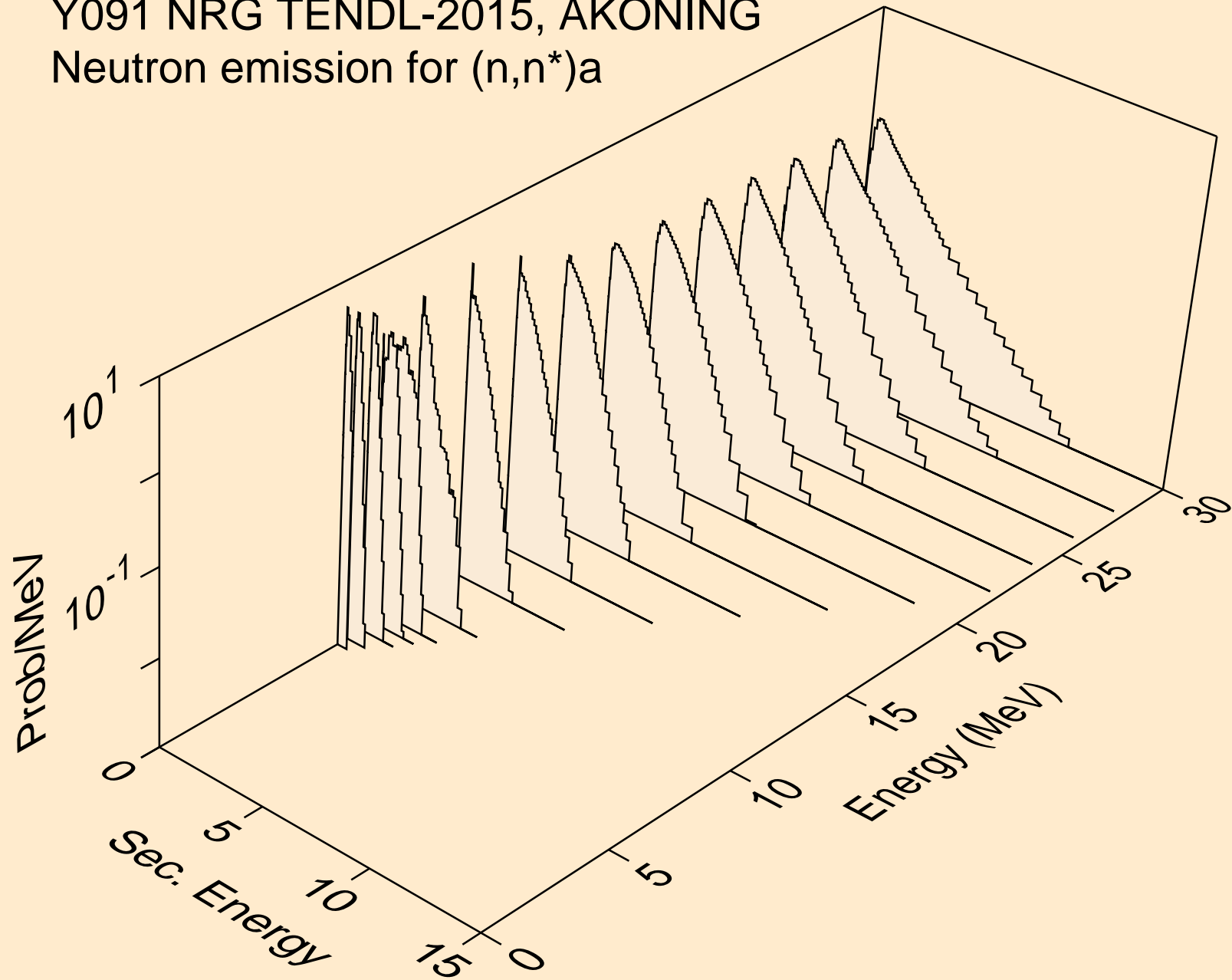
Y091 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



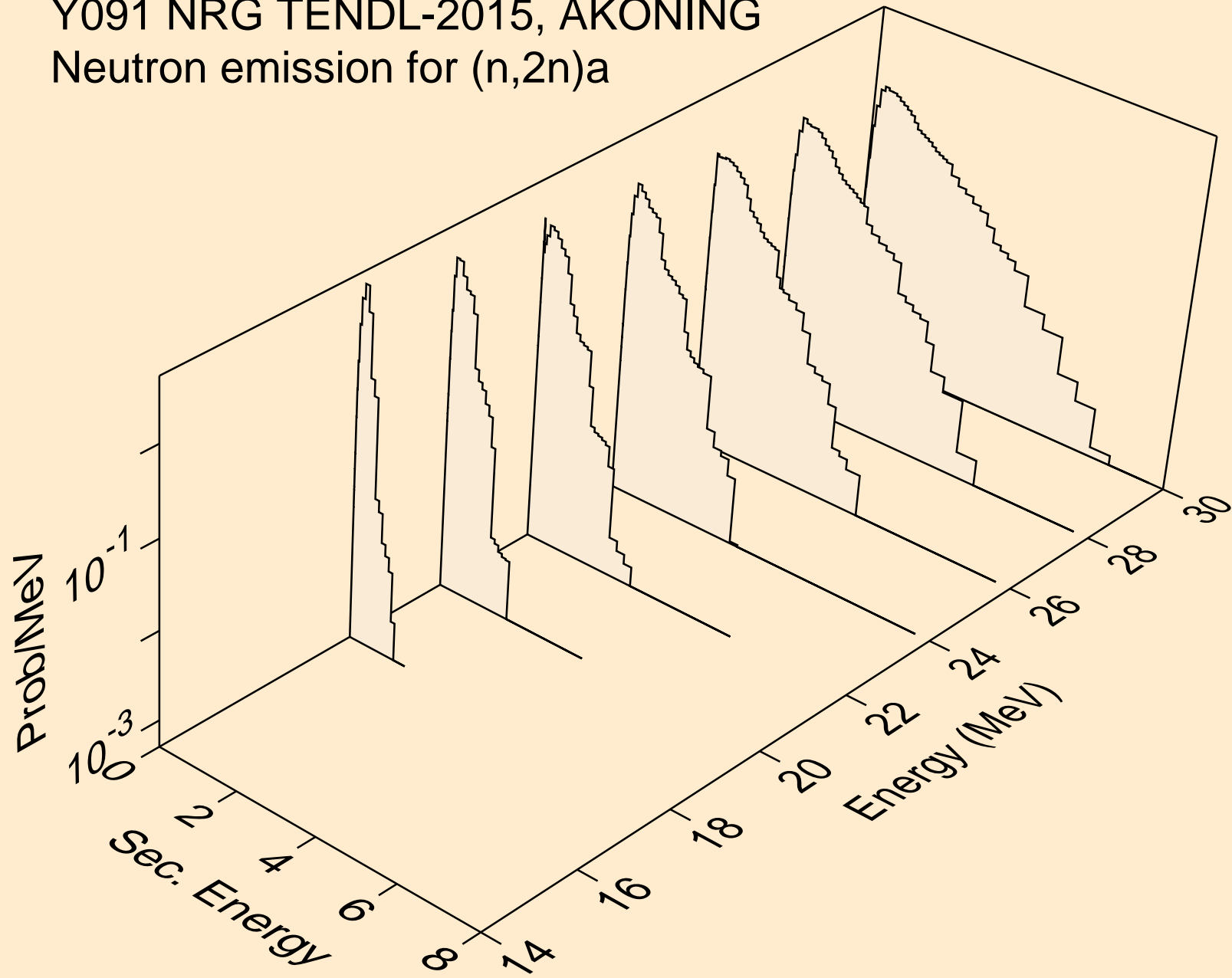
Y091 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



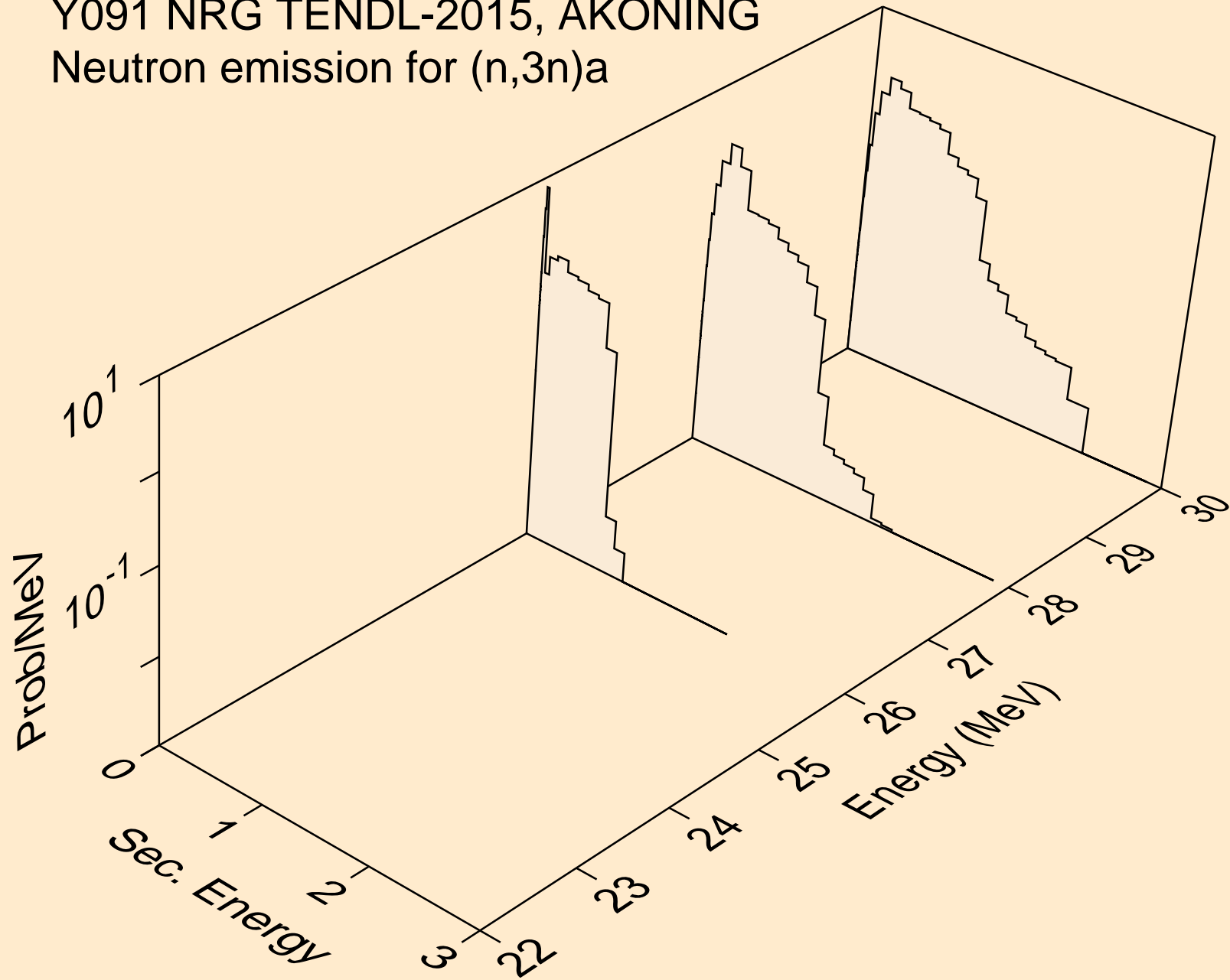
Y091 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



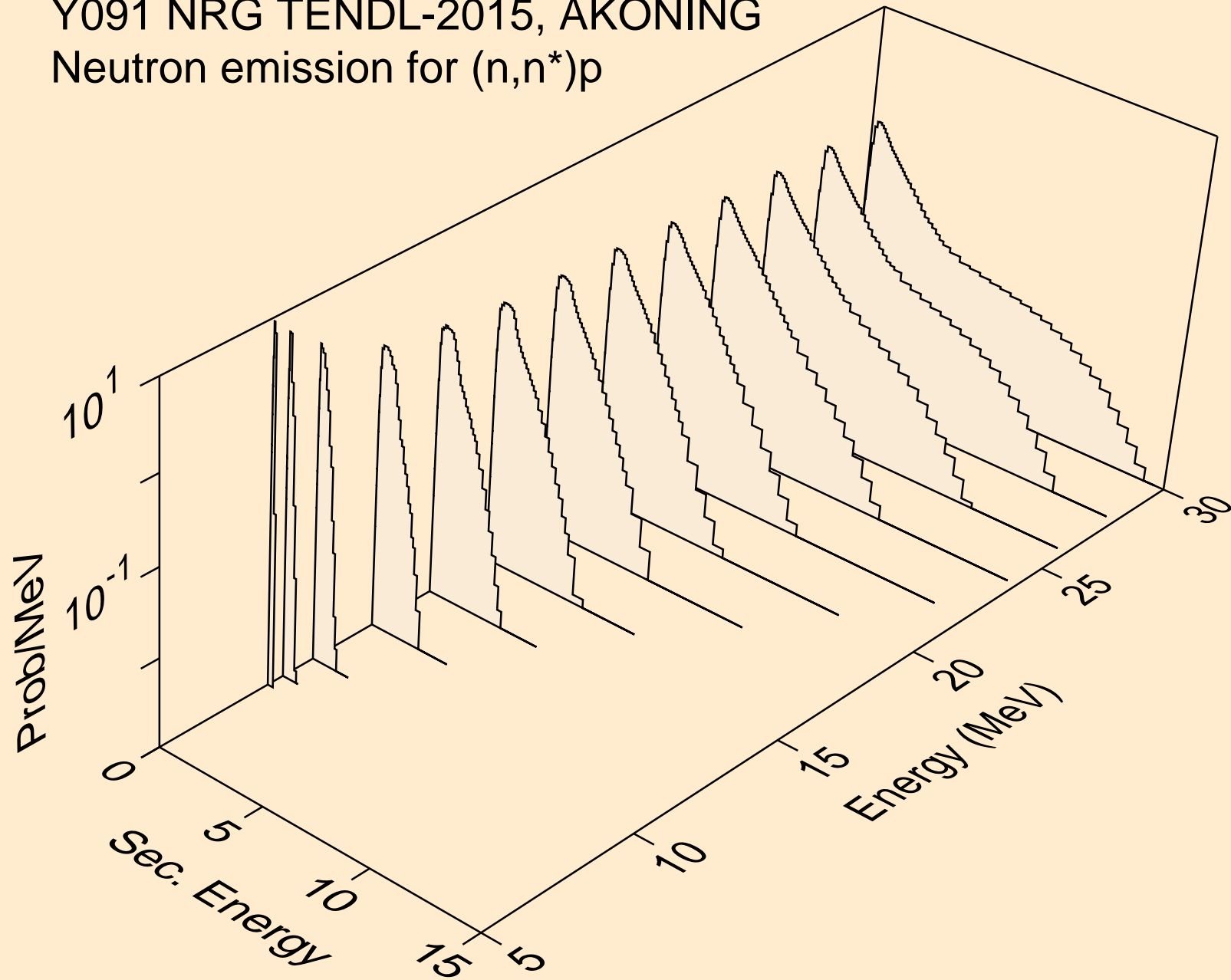
Y091 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



Y091 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a

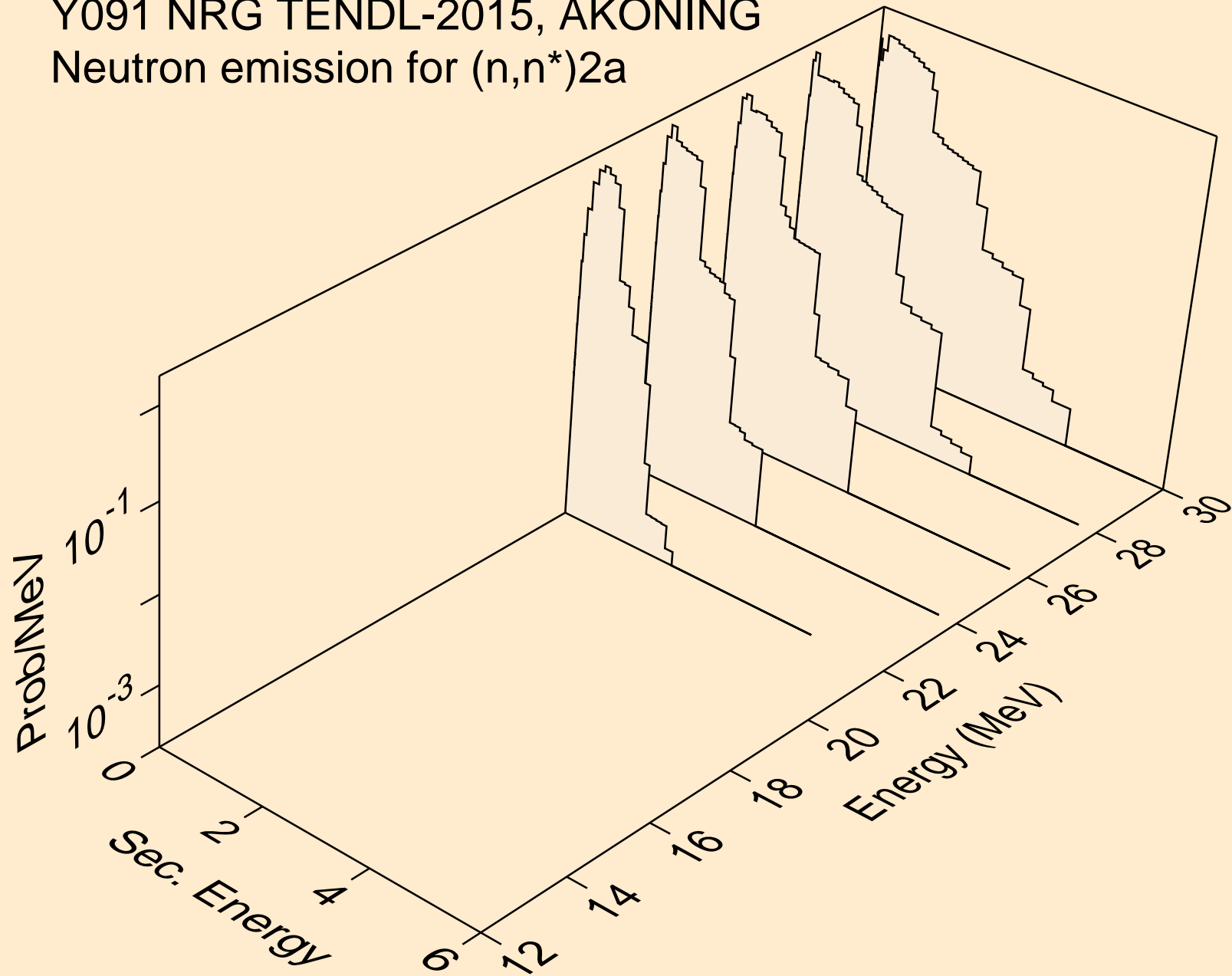


Y091 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p

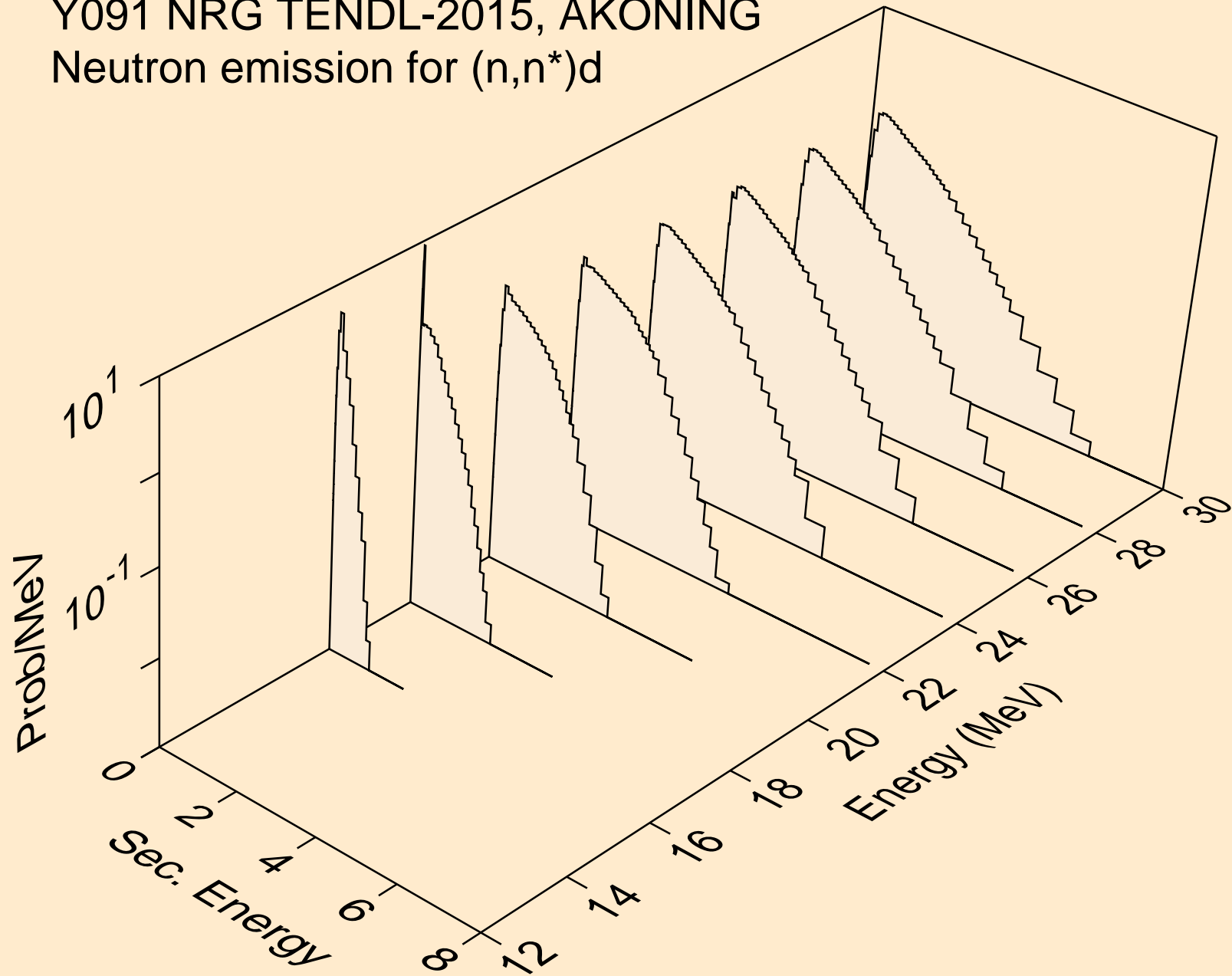




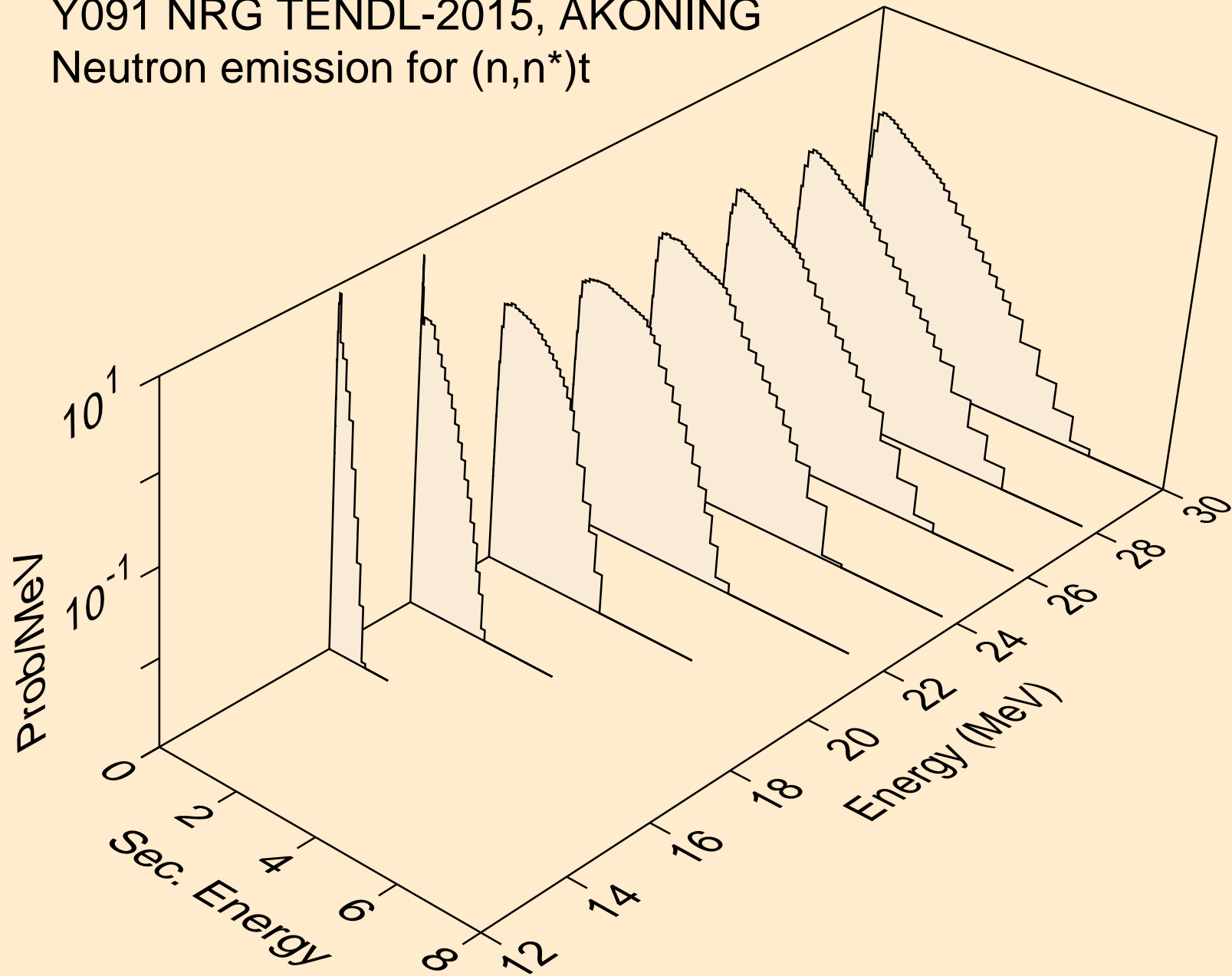
Y091 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



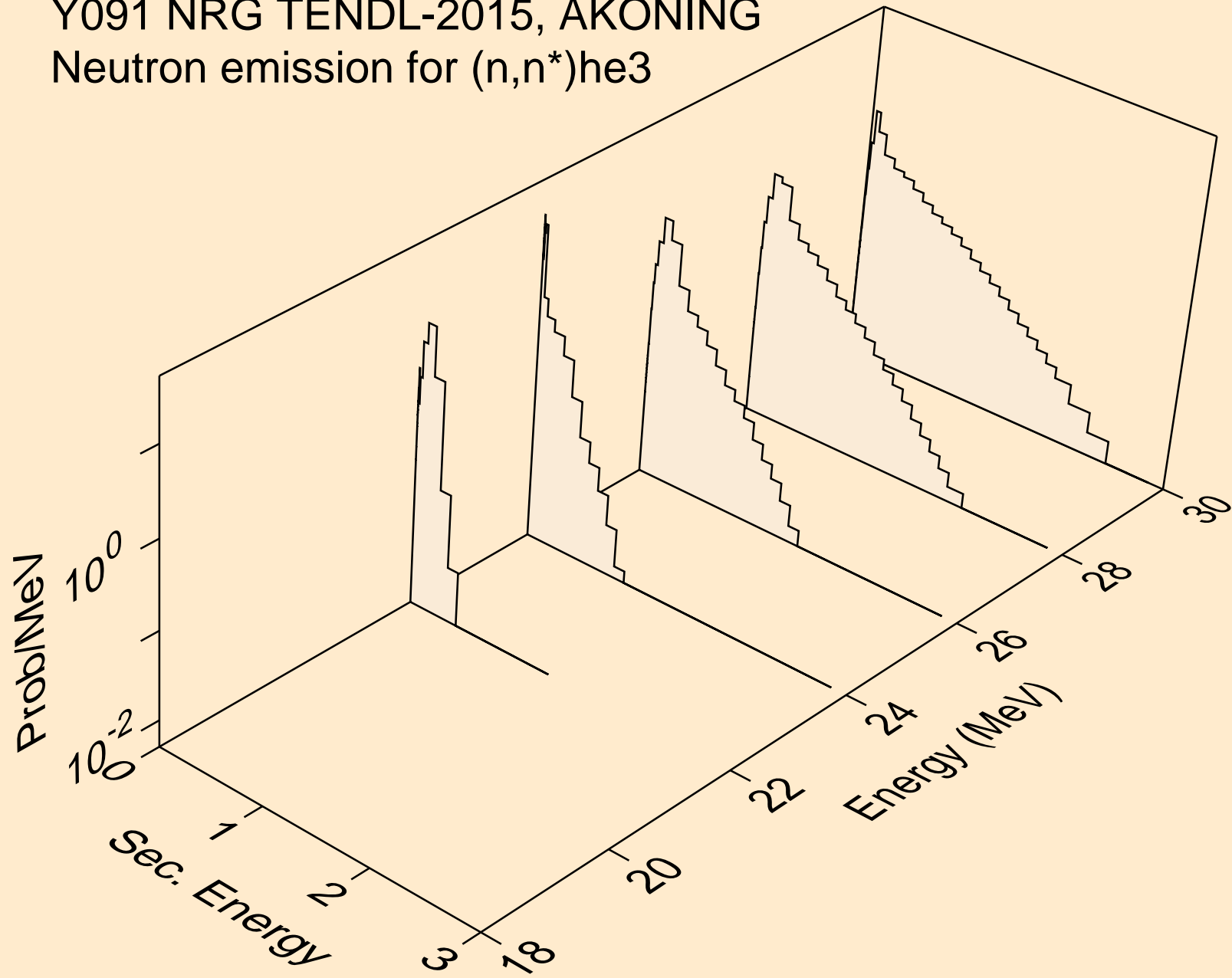
Y091 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



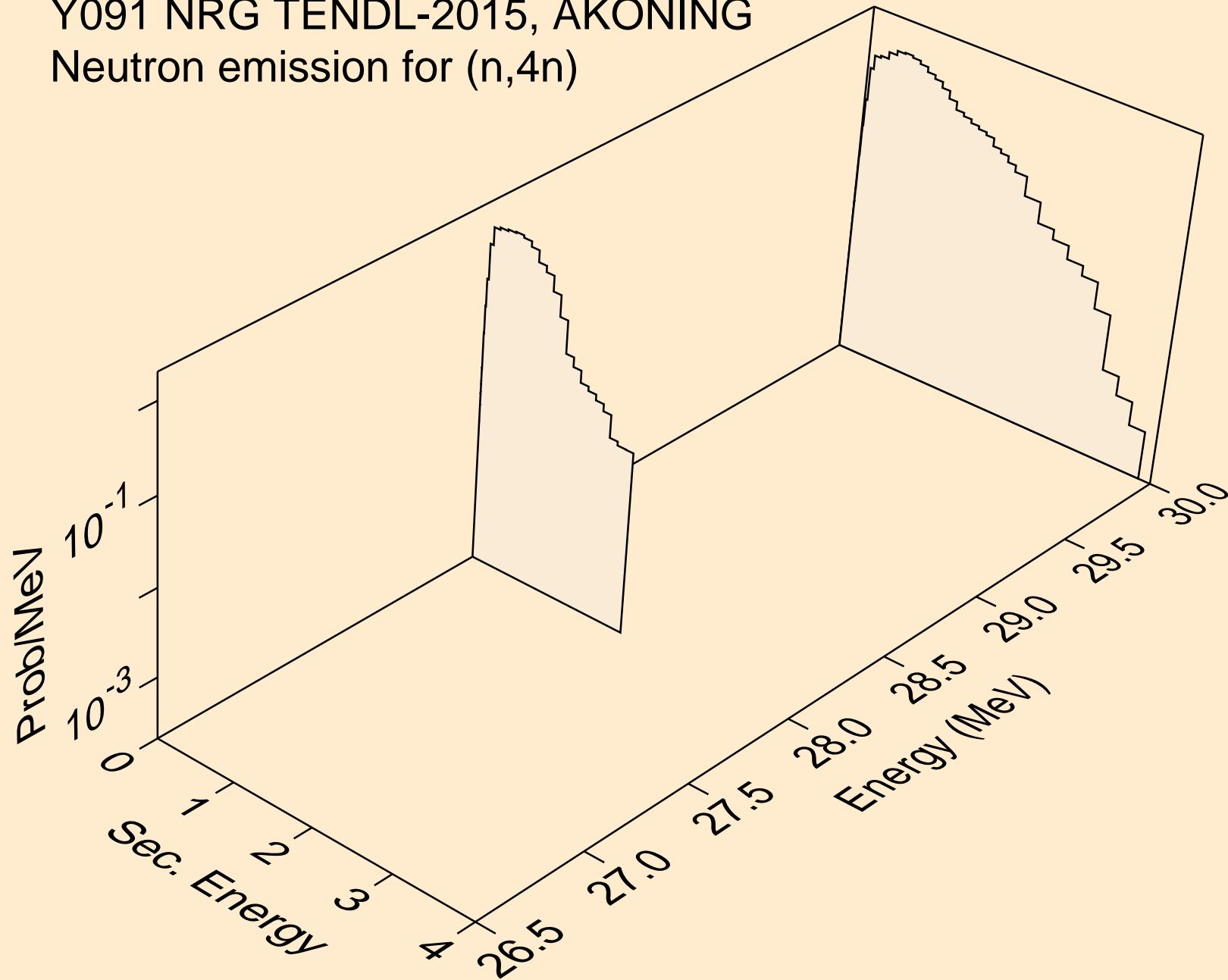
Y091 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



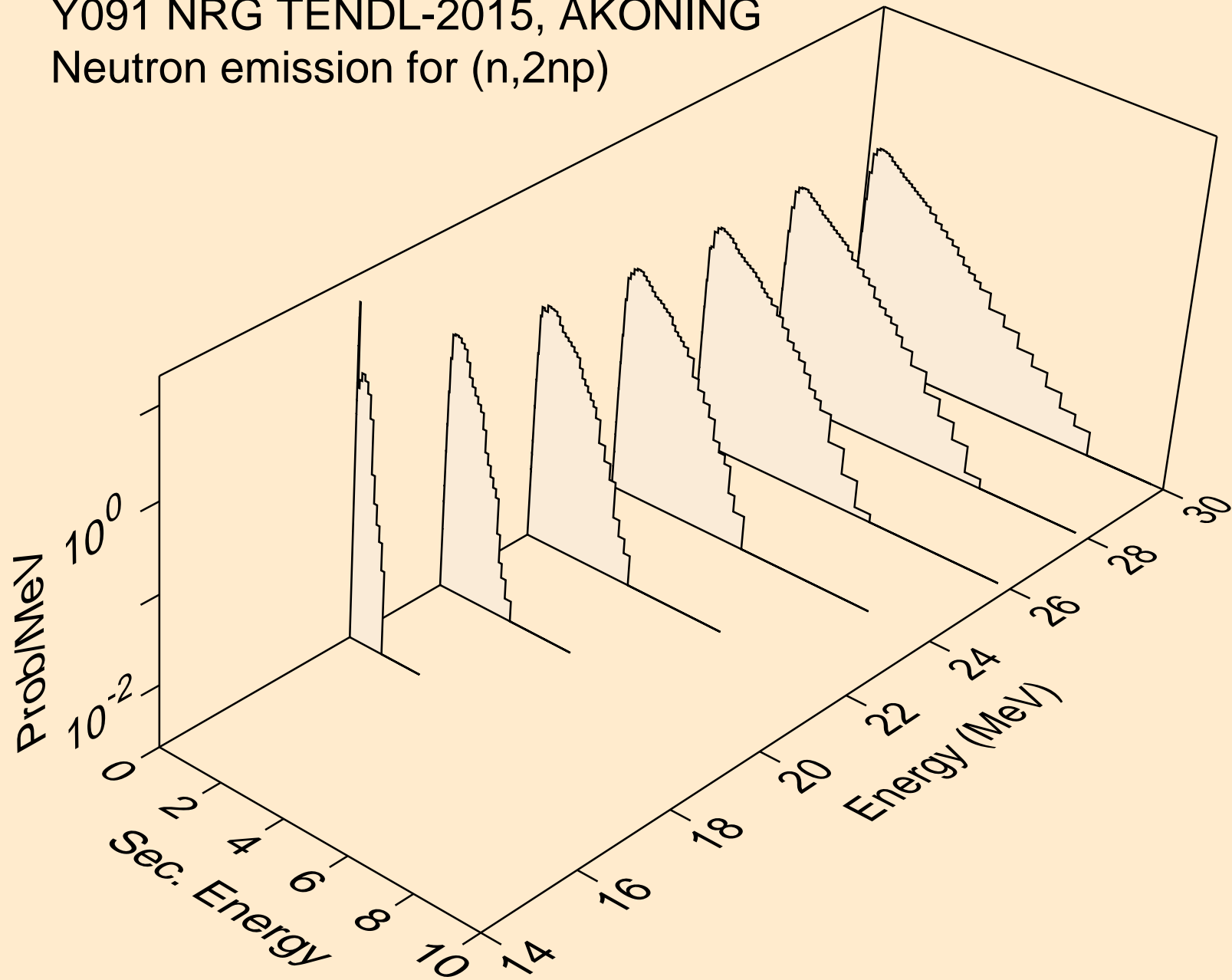
Y091 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



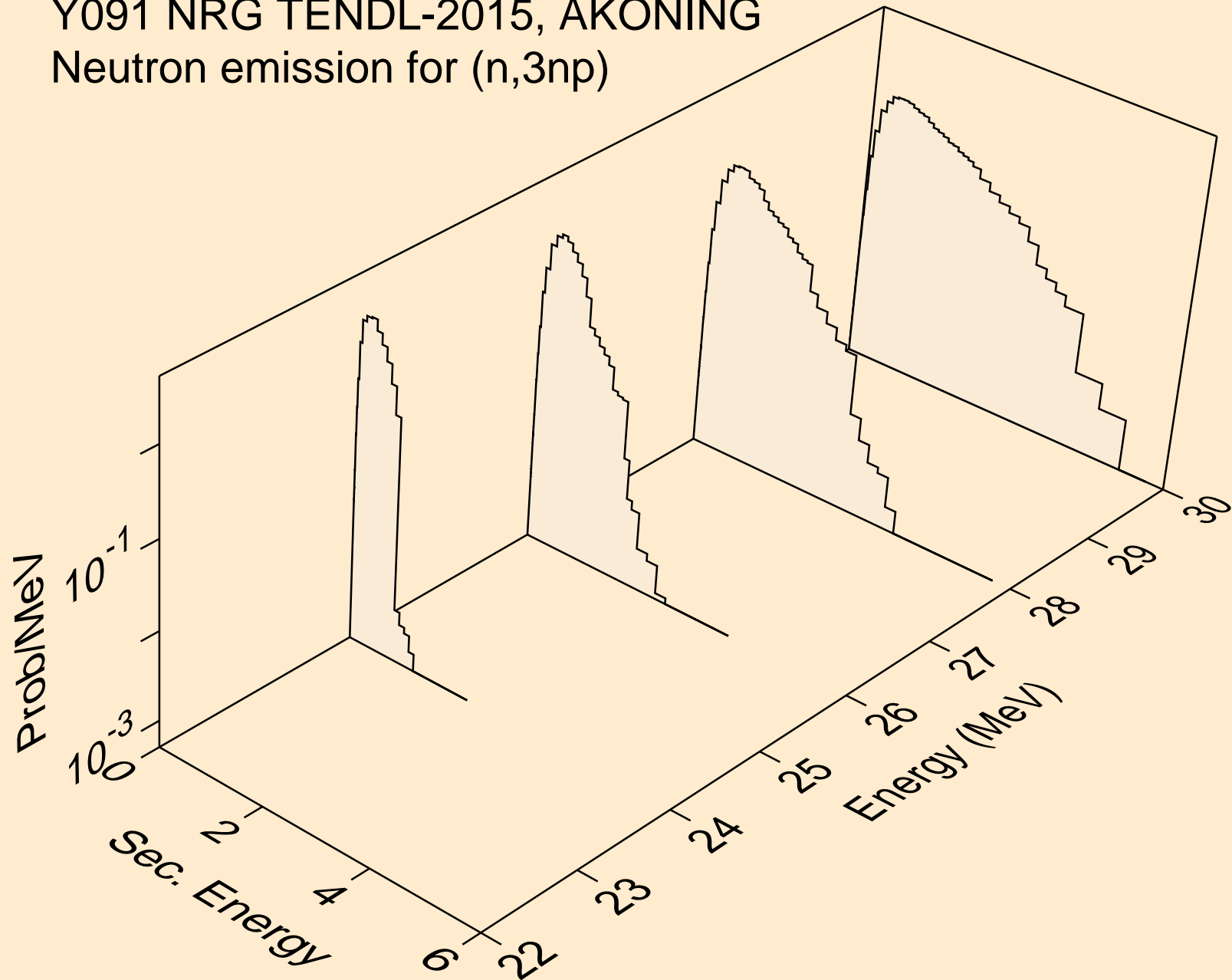
Y091 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



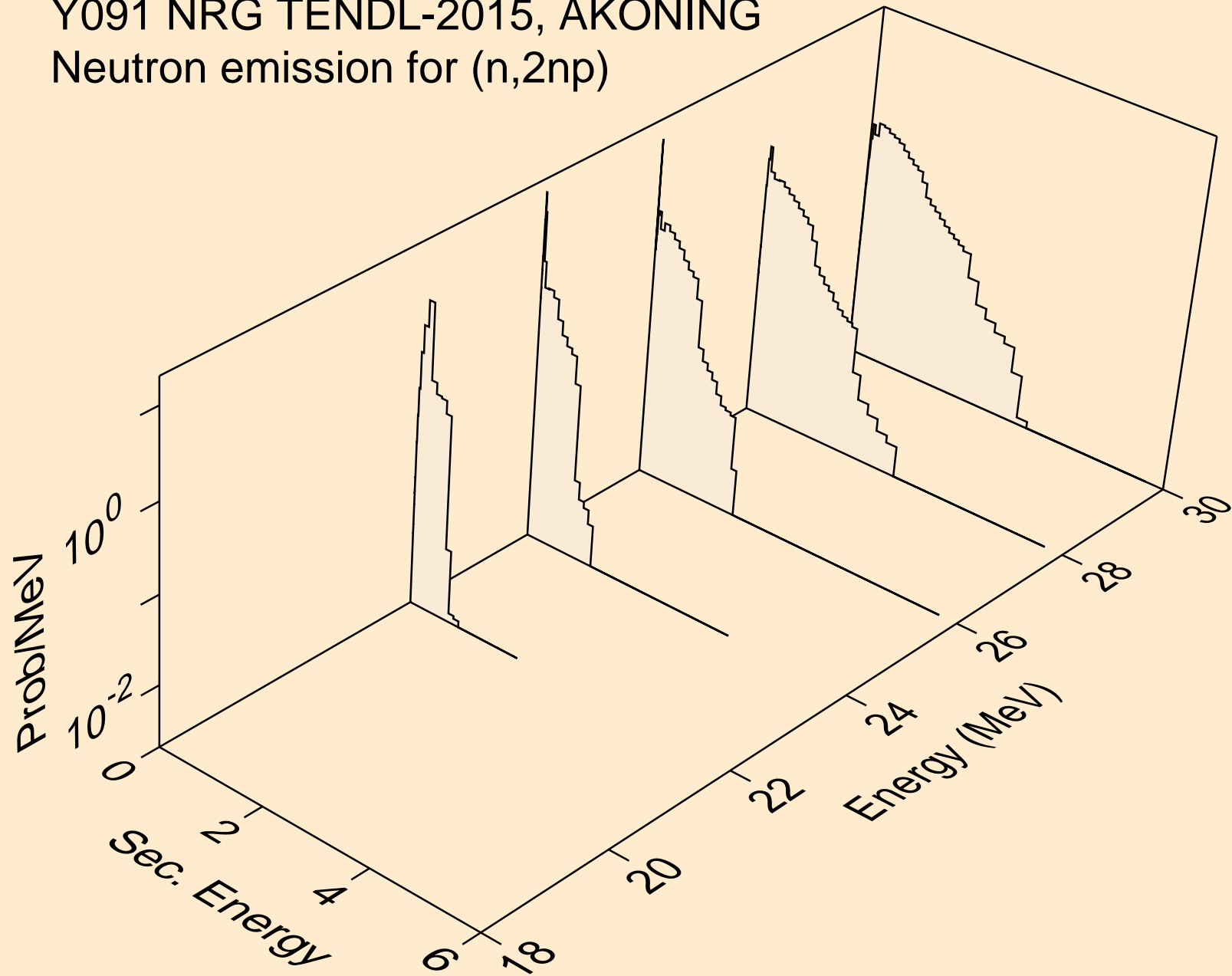
Y091 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



Y091 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)

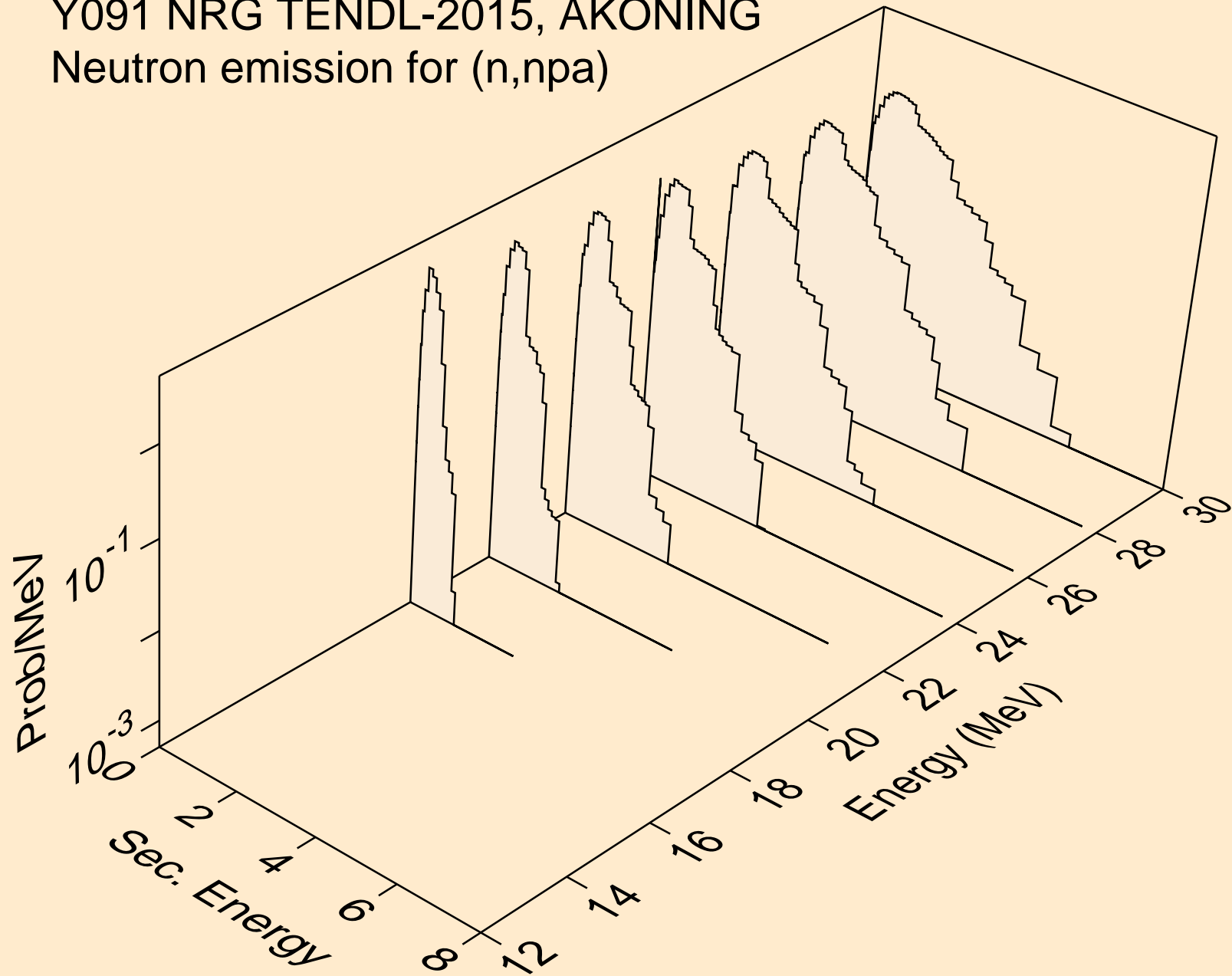


Y091 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)

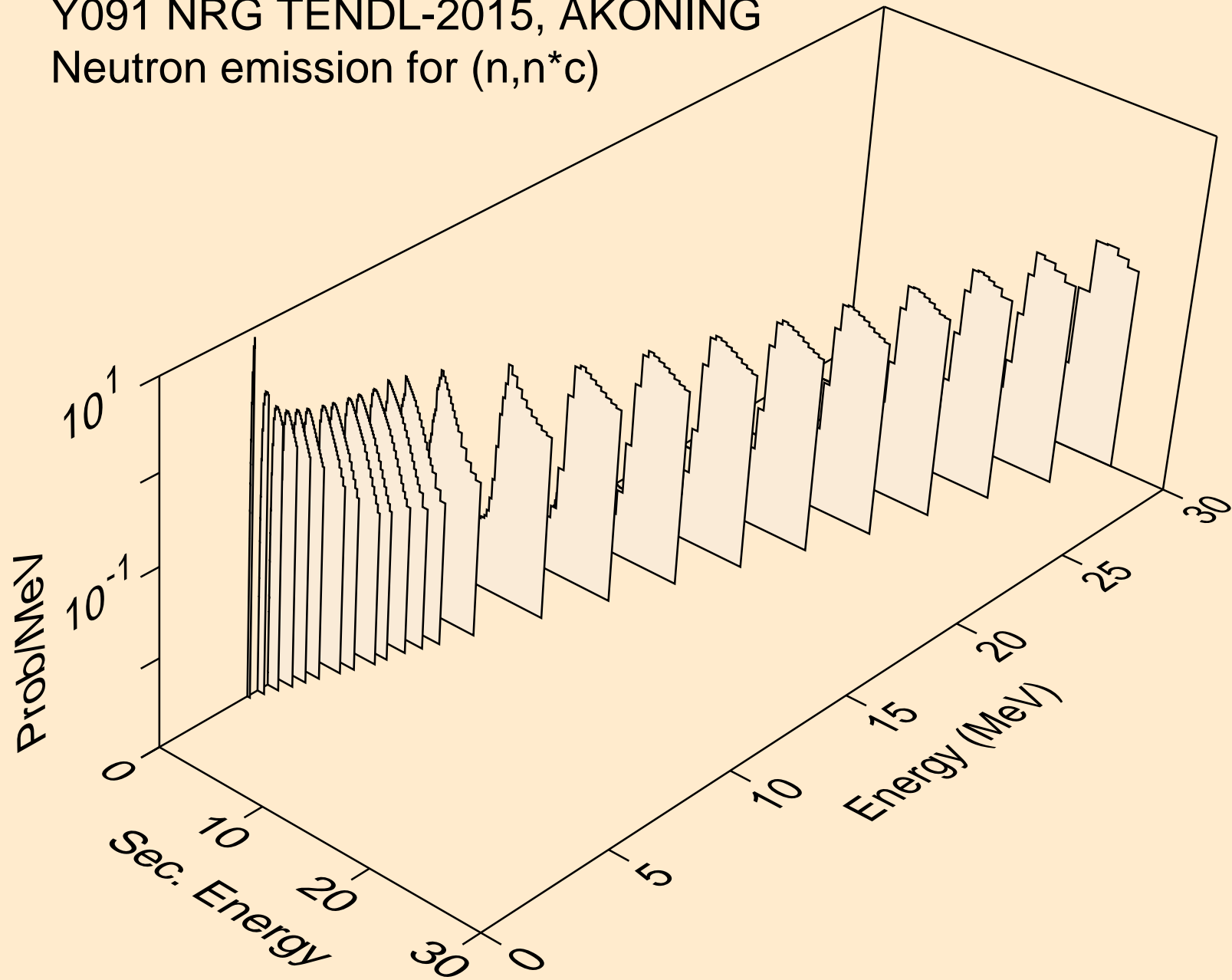




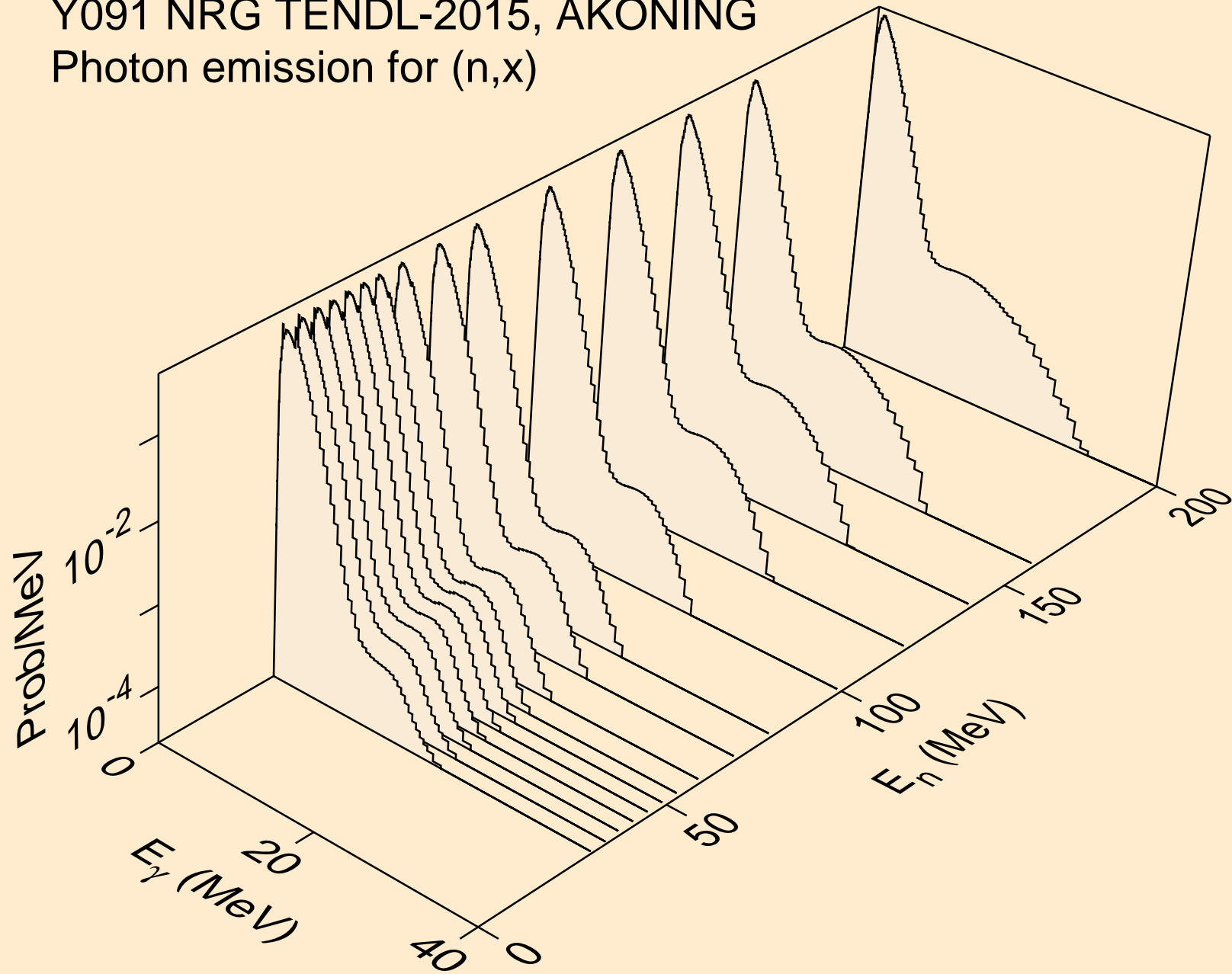
Y091 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



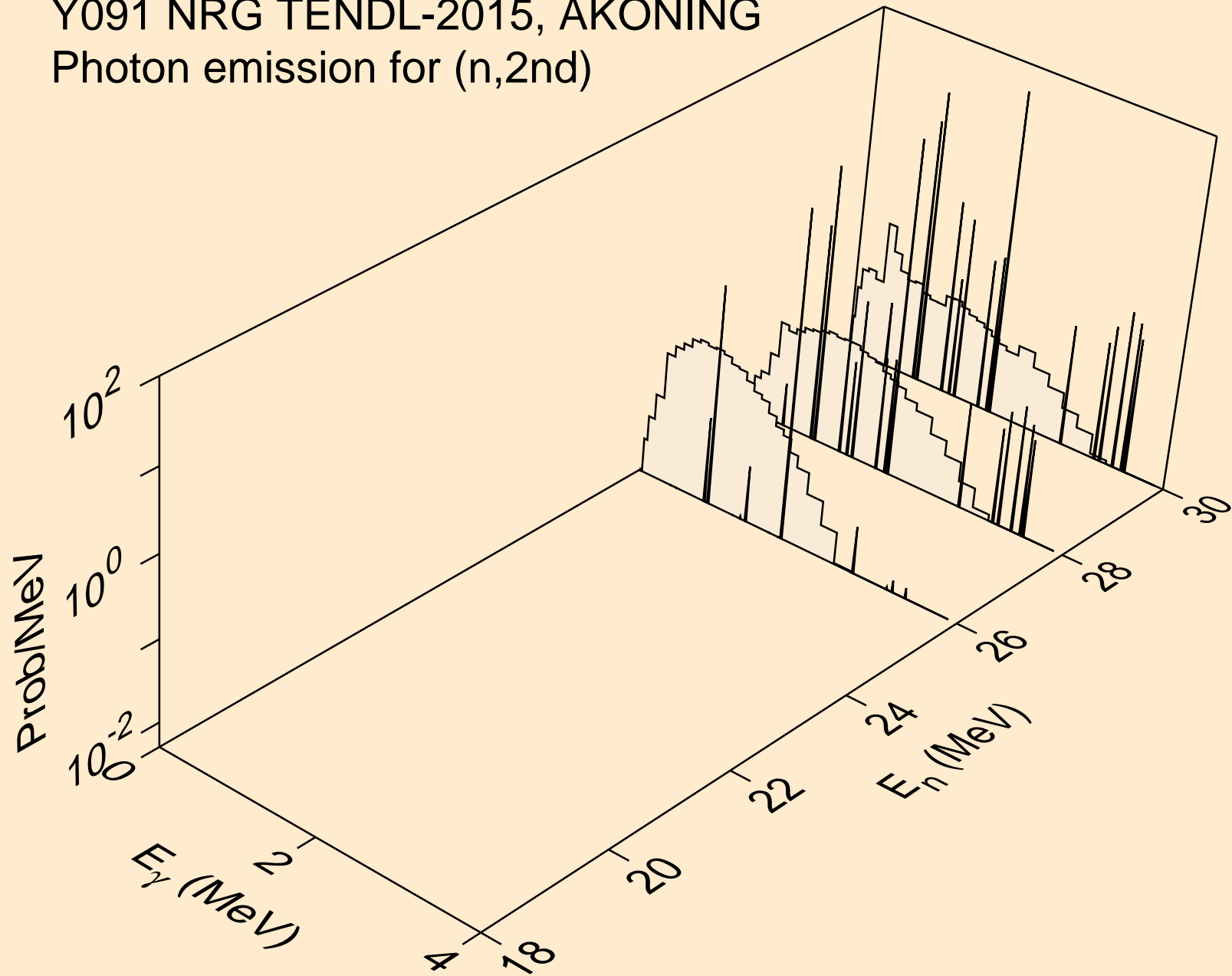
Y091 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



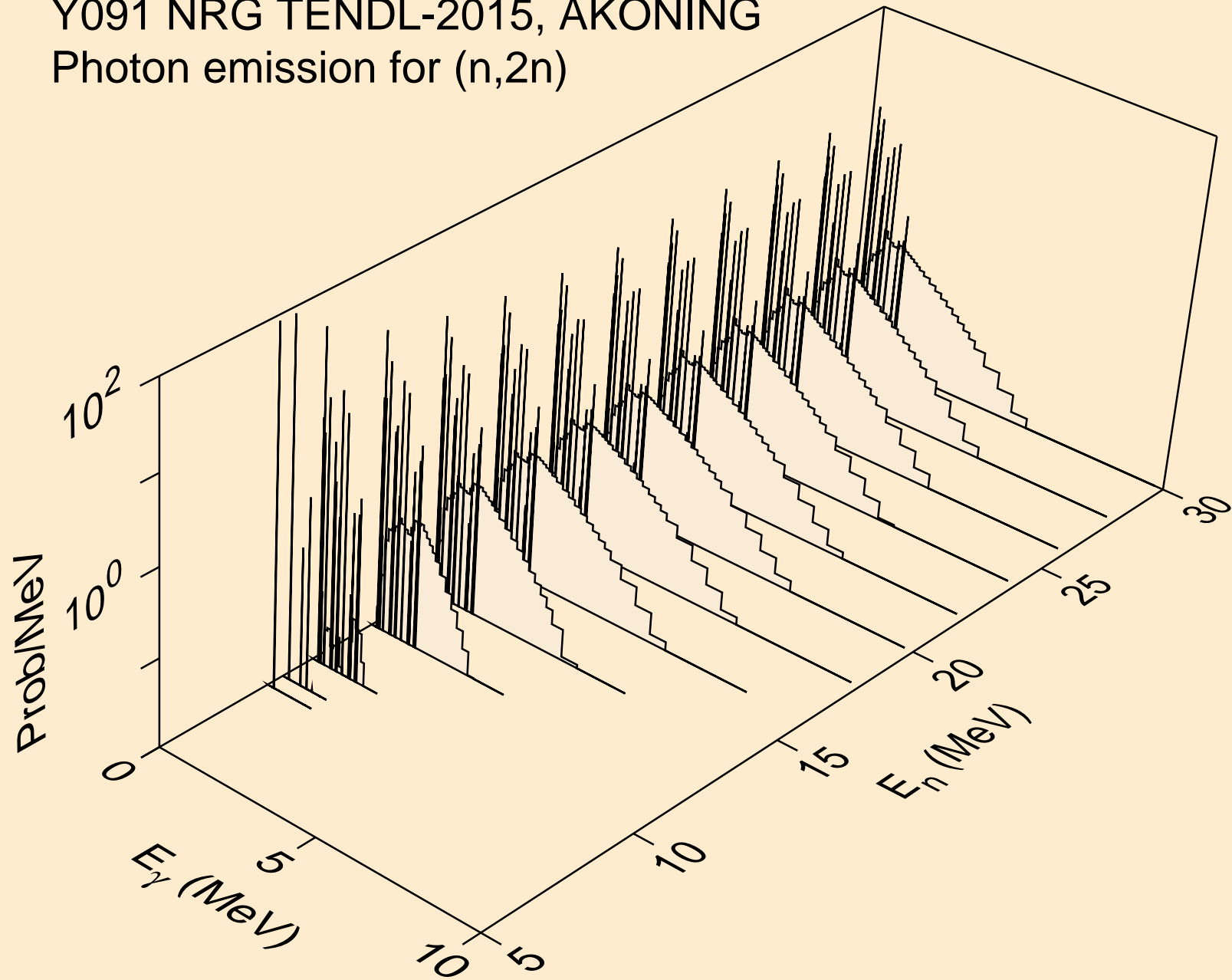
Y091 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



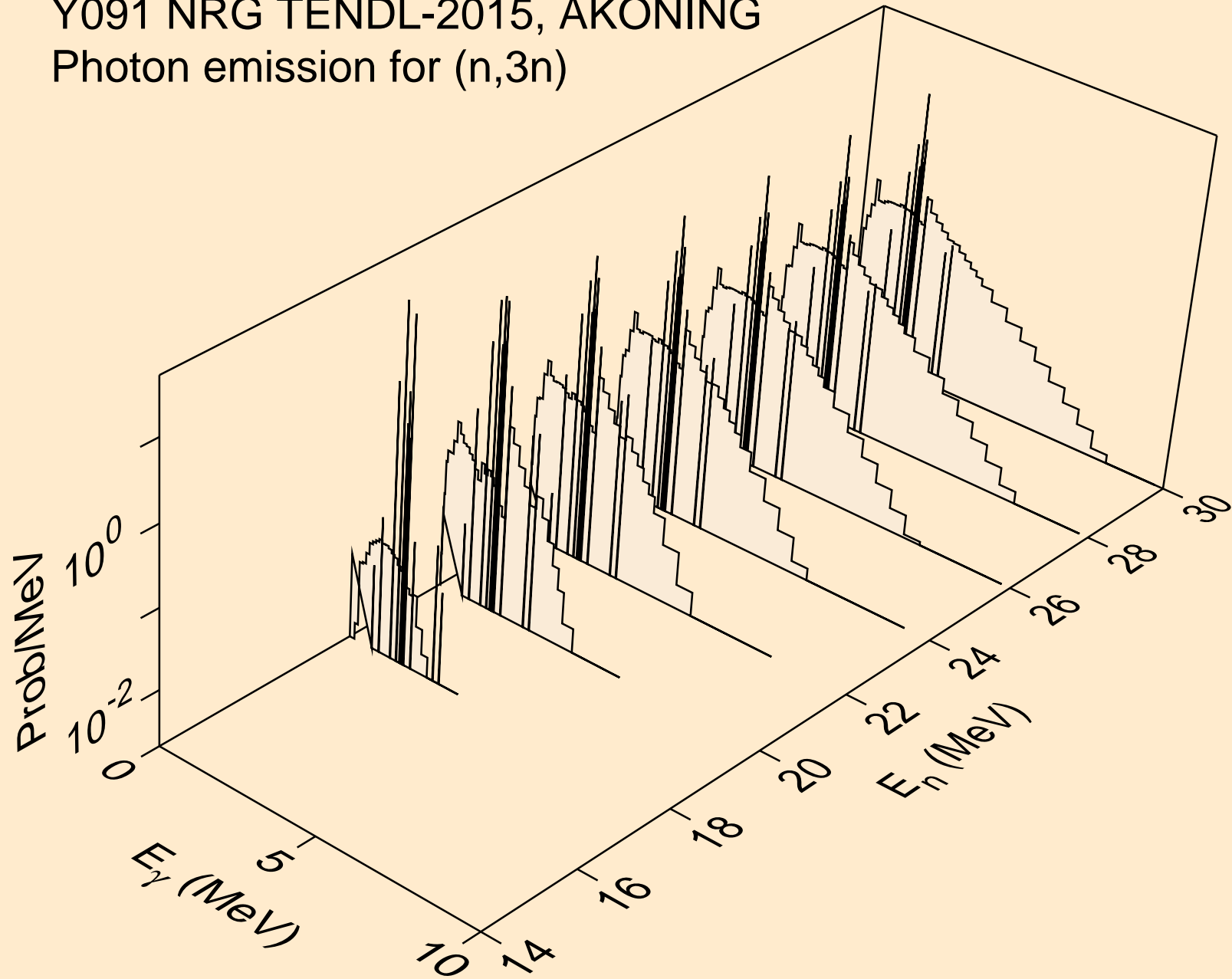
Y091 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



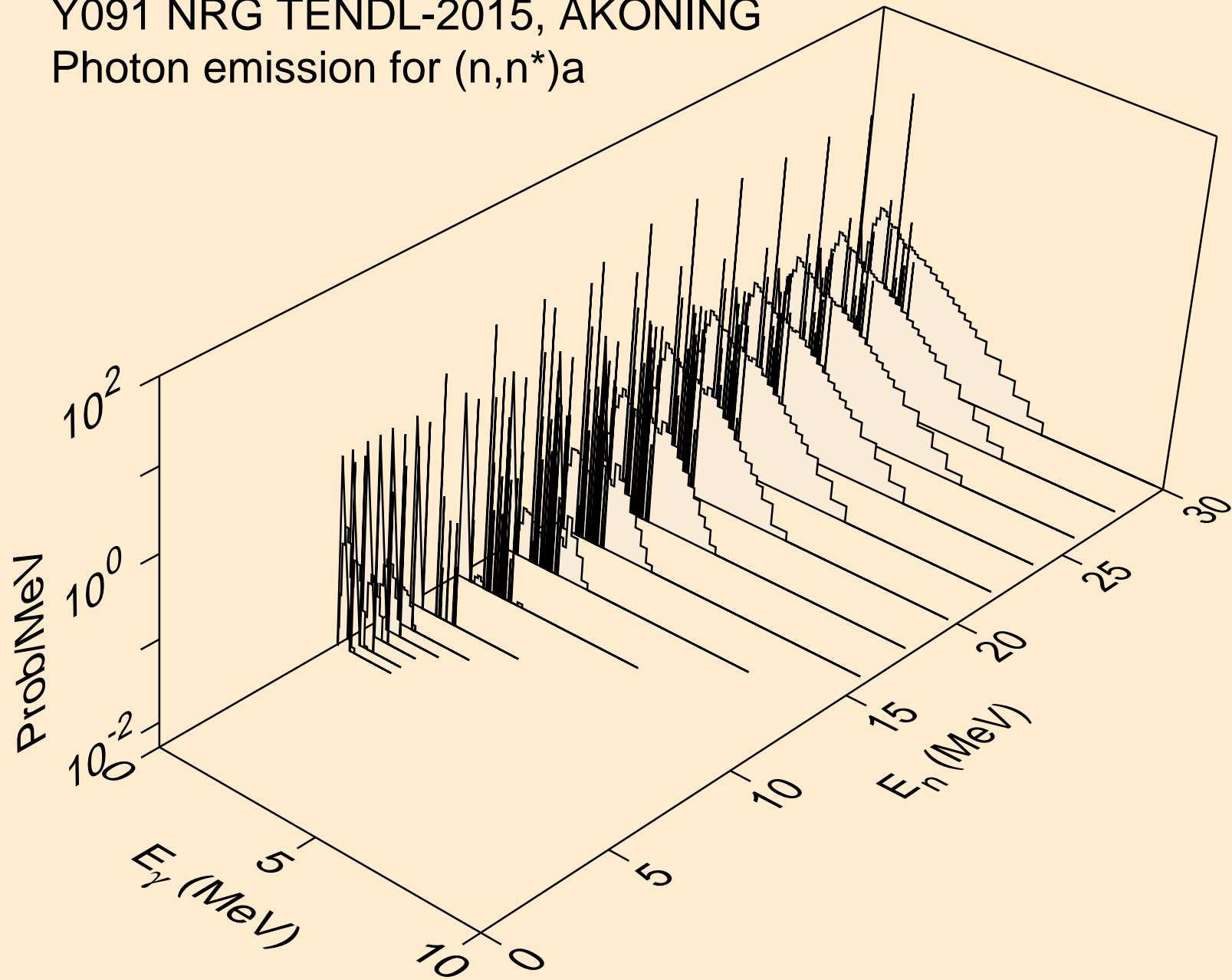
Y091 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



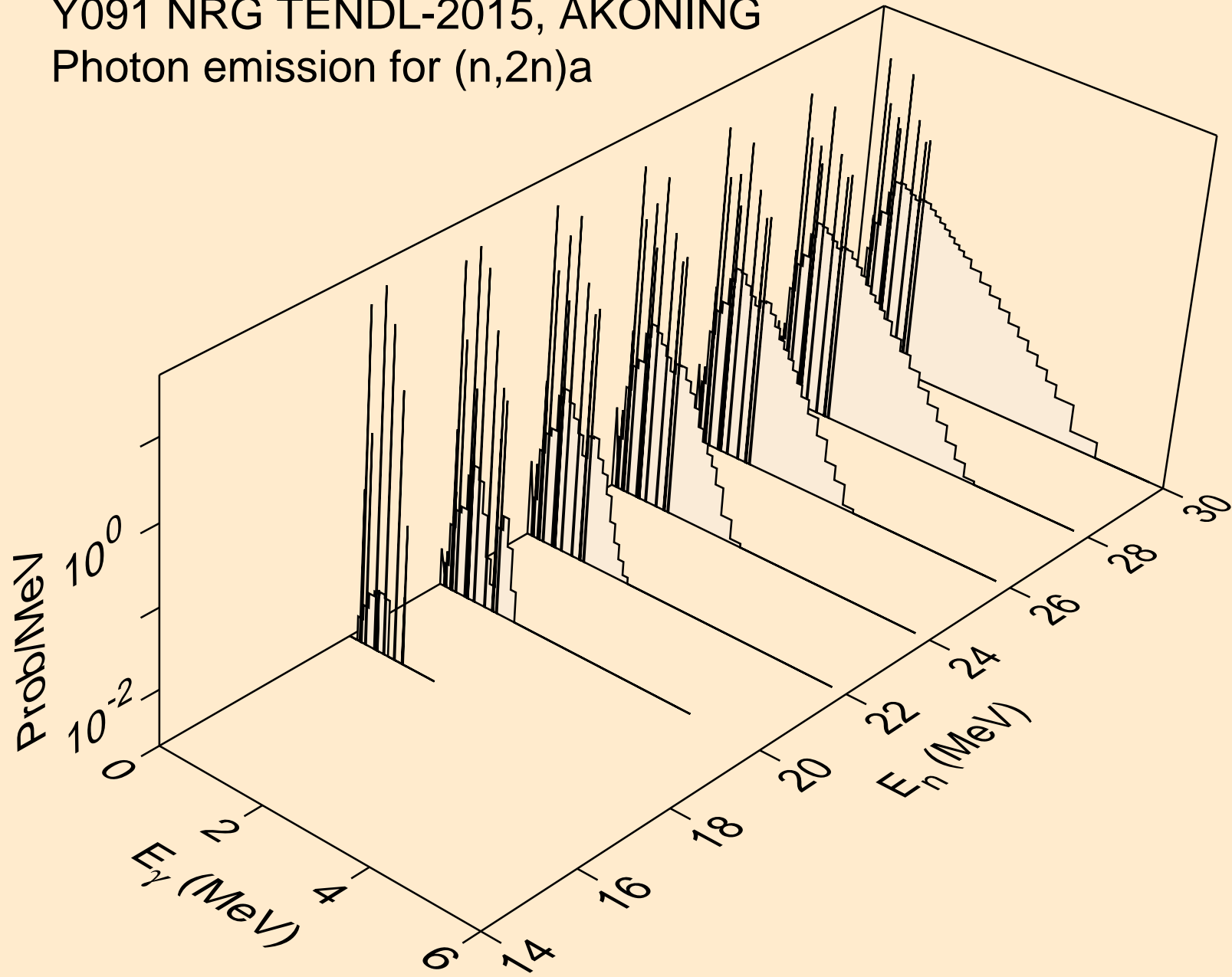
Y091 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



Y091 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a

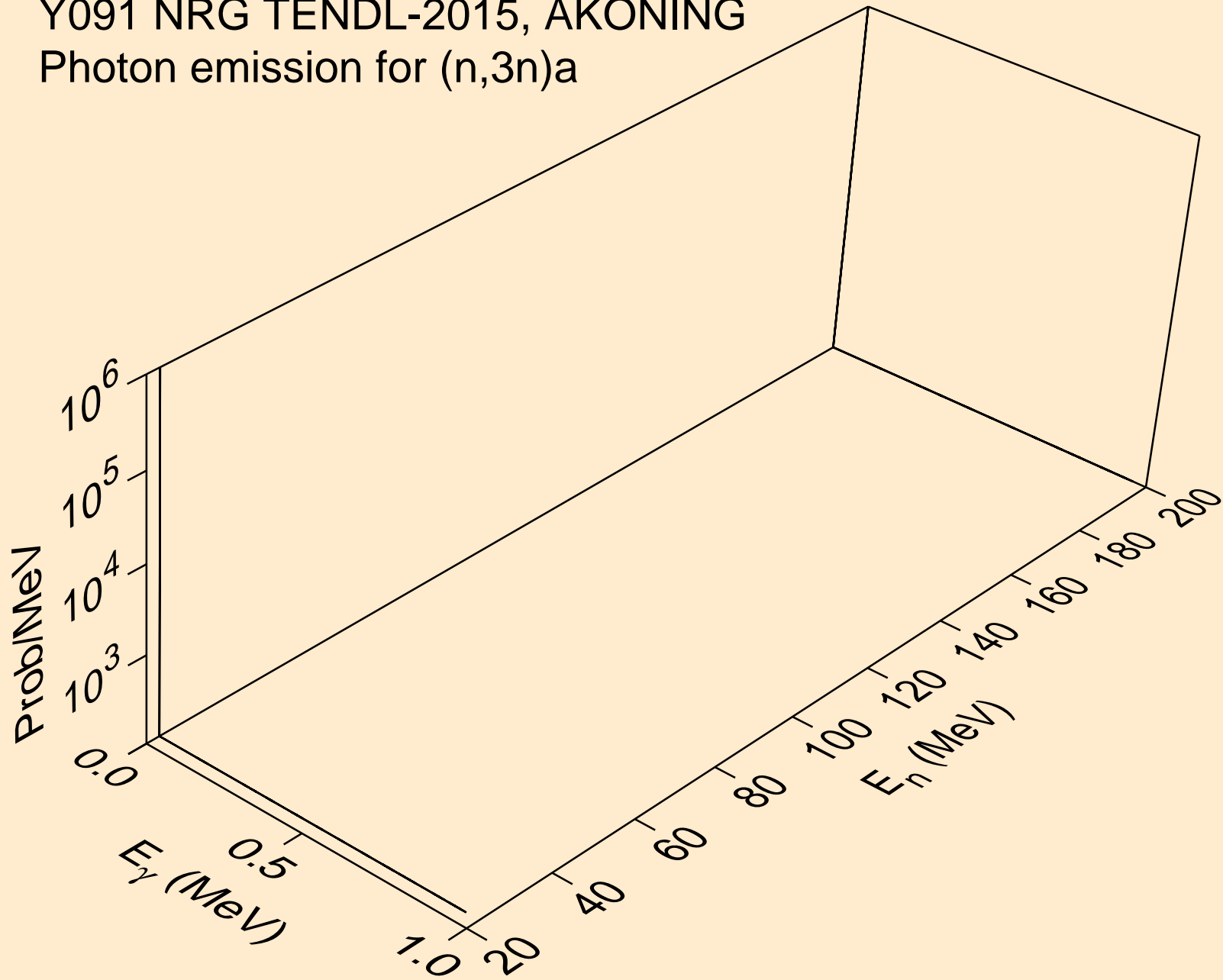


Y091 NRG TENDL-2015, AKONING  
Photon emission for (n,2n) $\alpha$

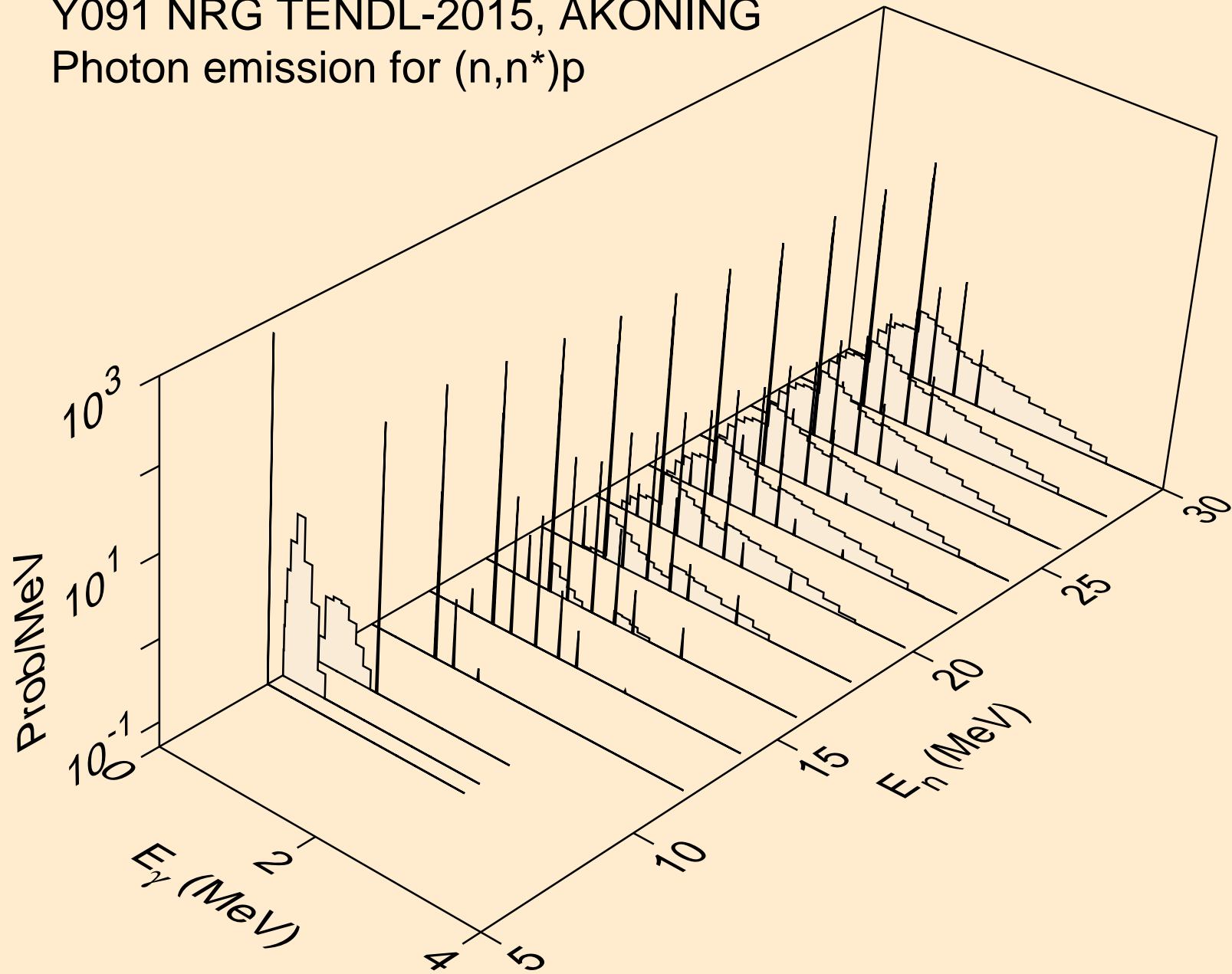




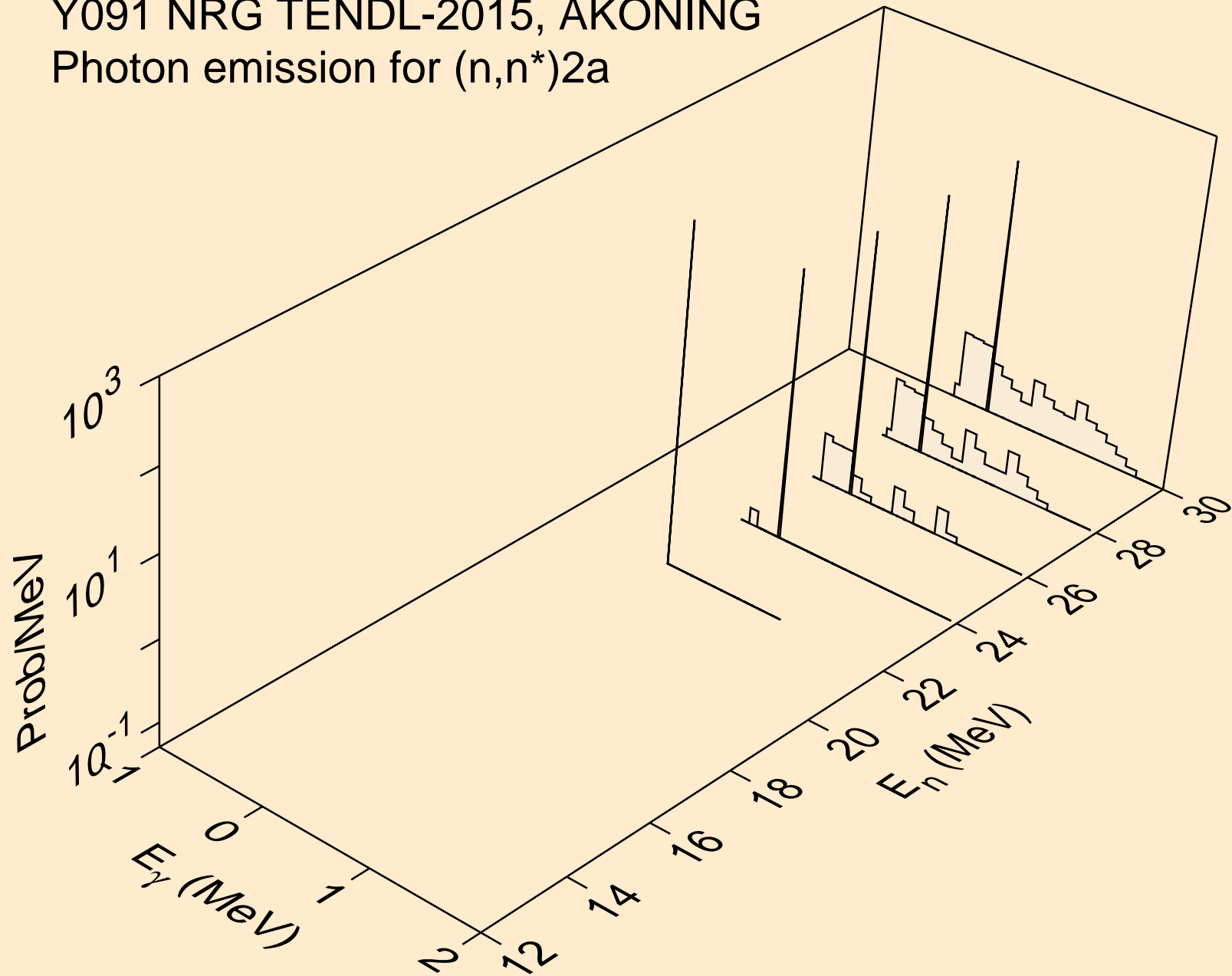
Y091 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



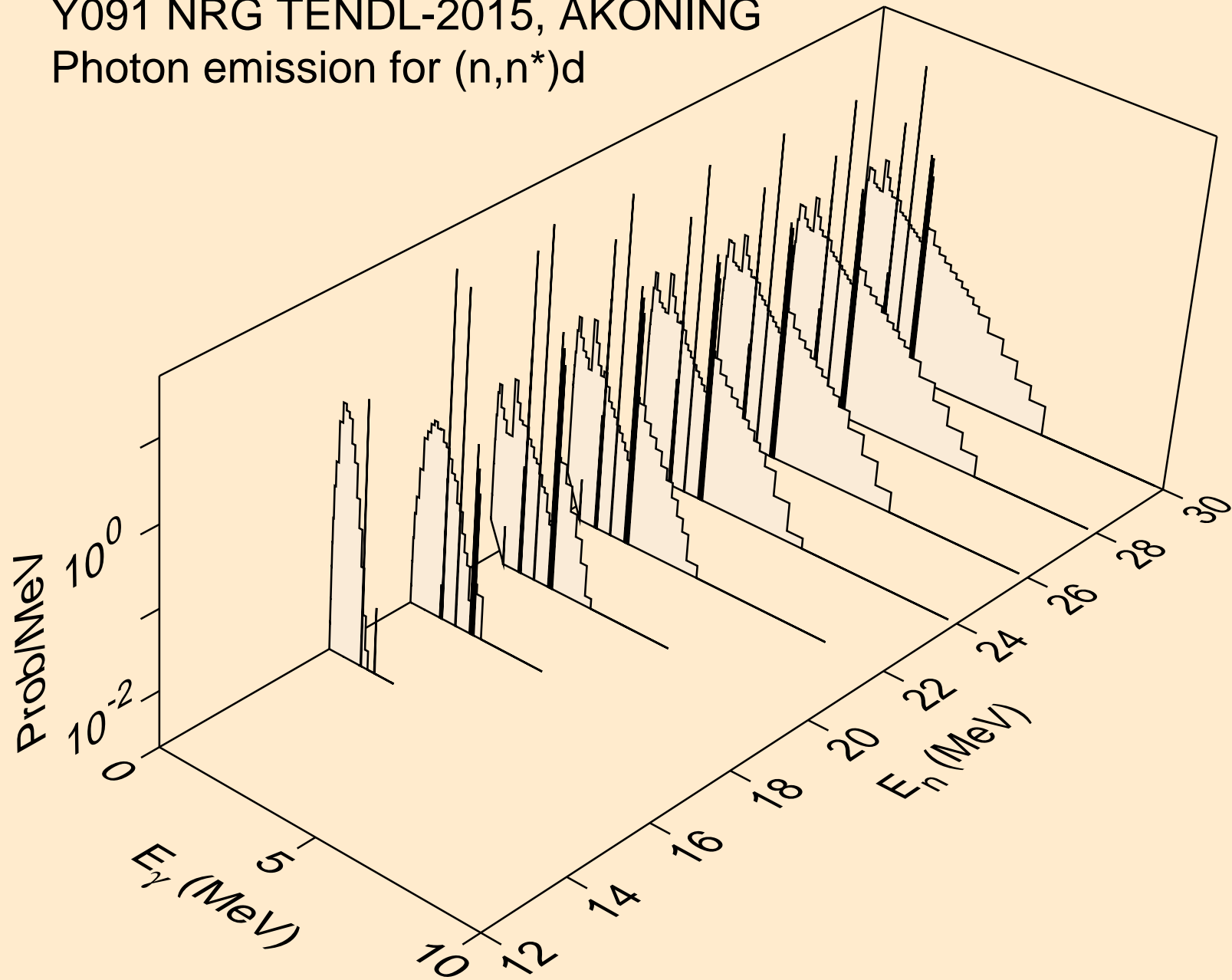
Y091 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



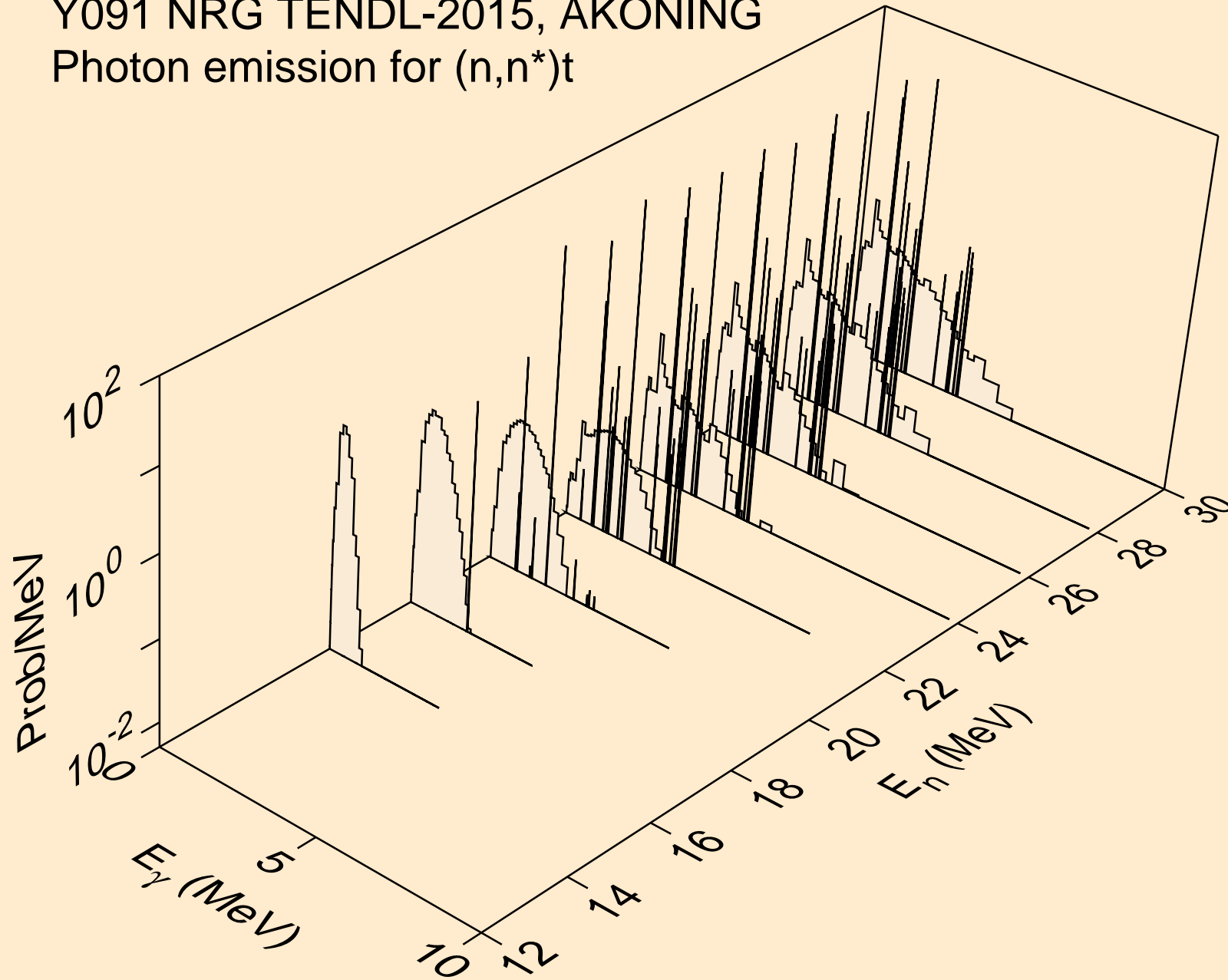
Y091 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



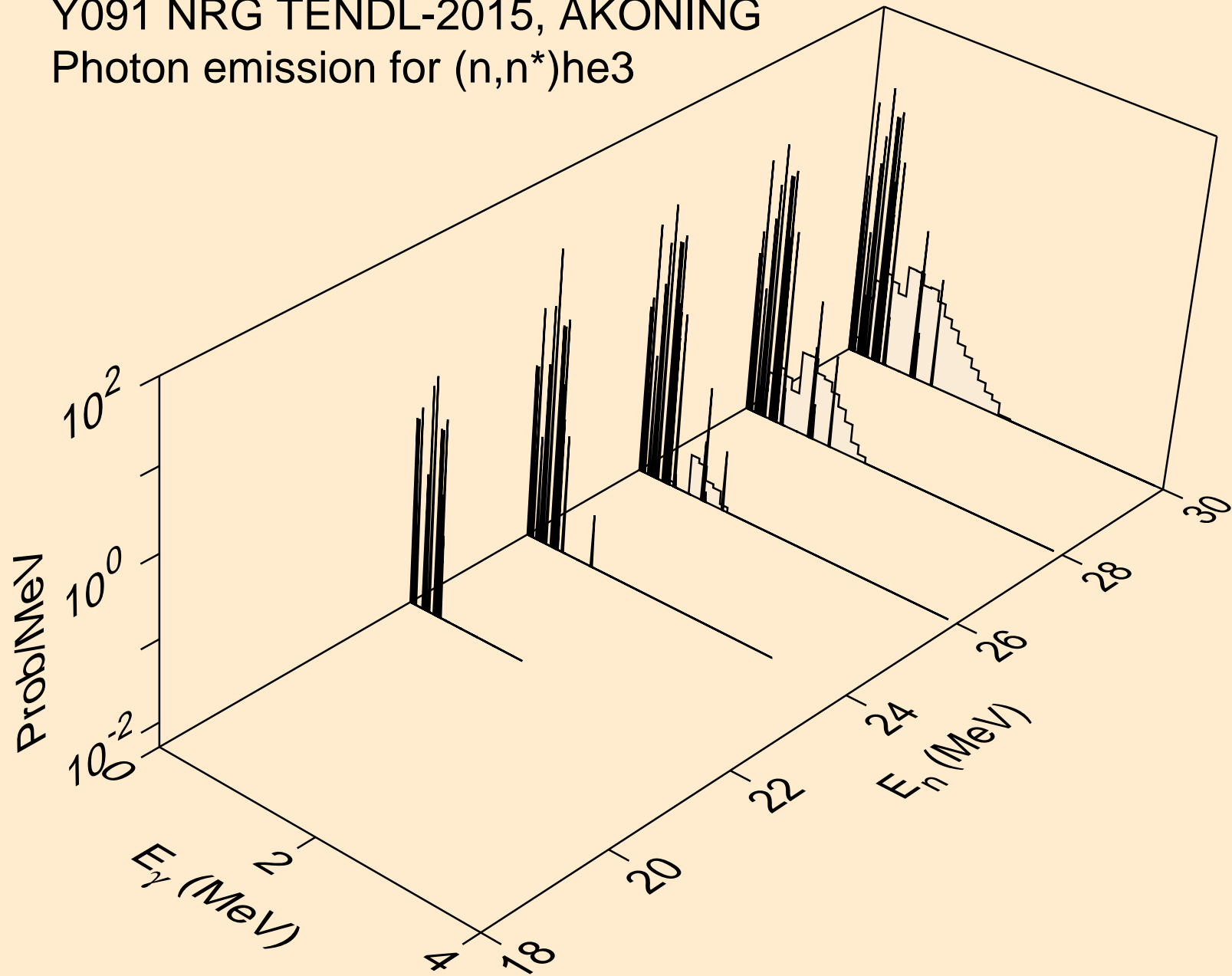
Y091 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d



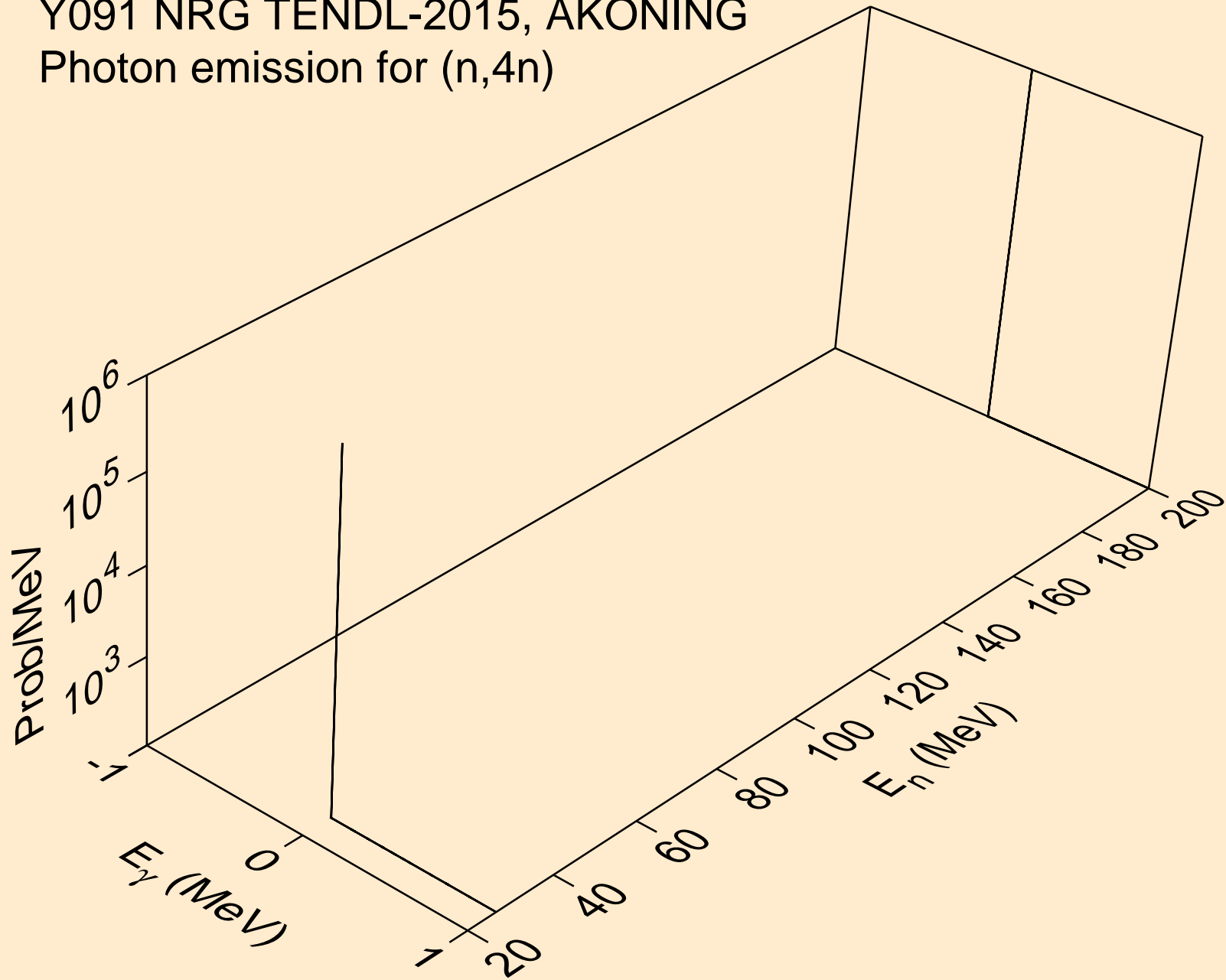
Y091 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



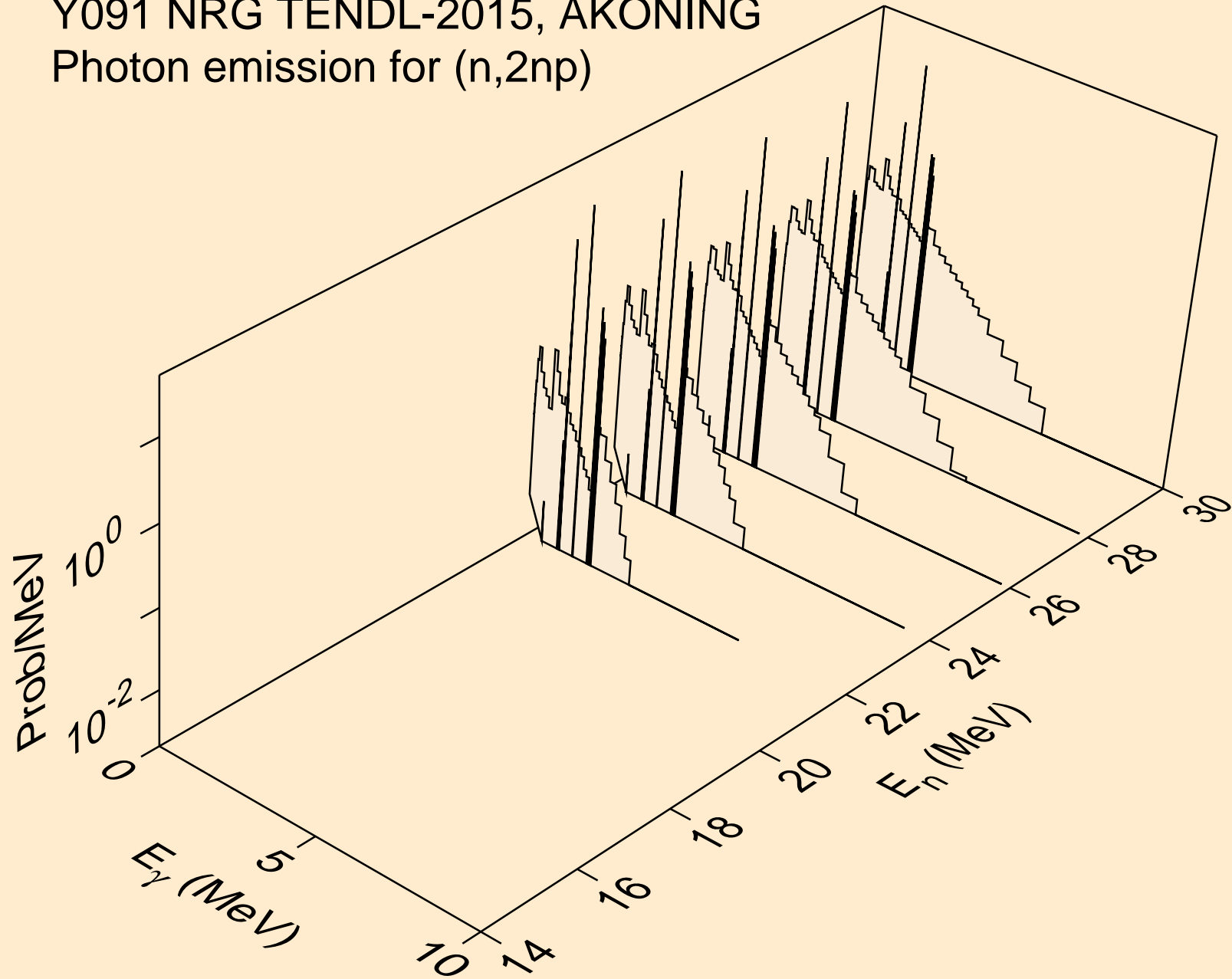
Y091 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



Y091 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)

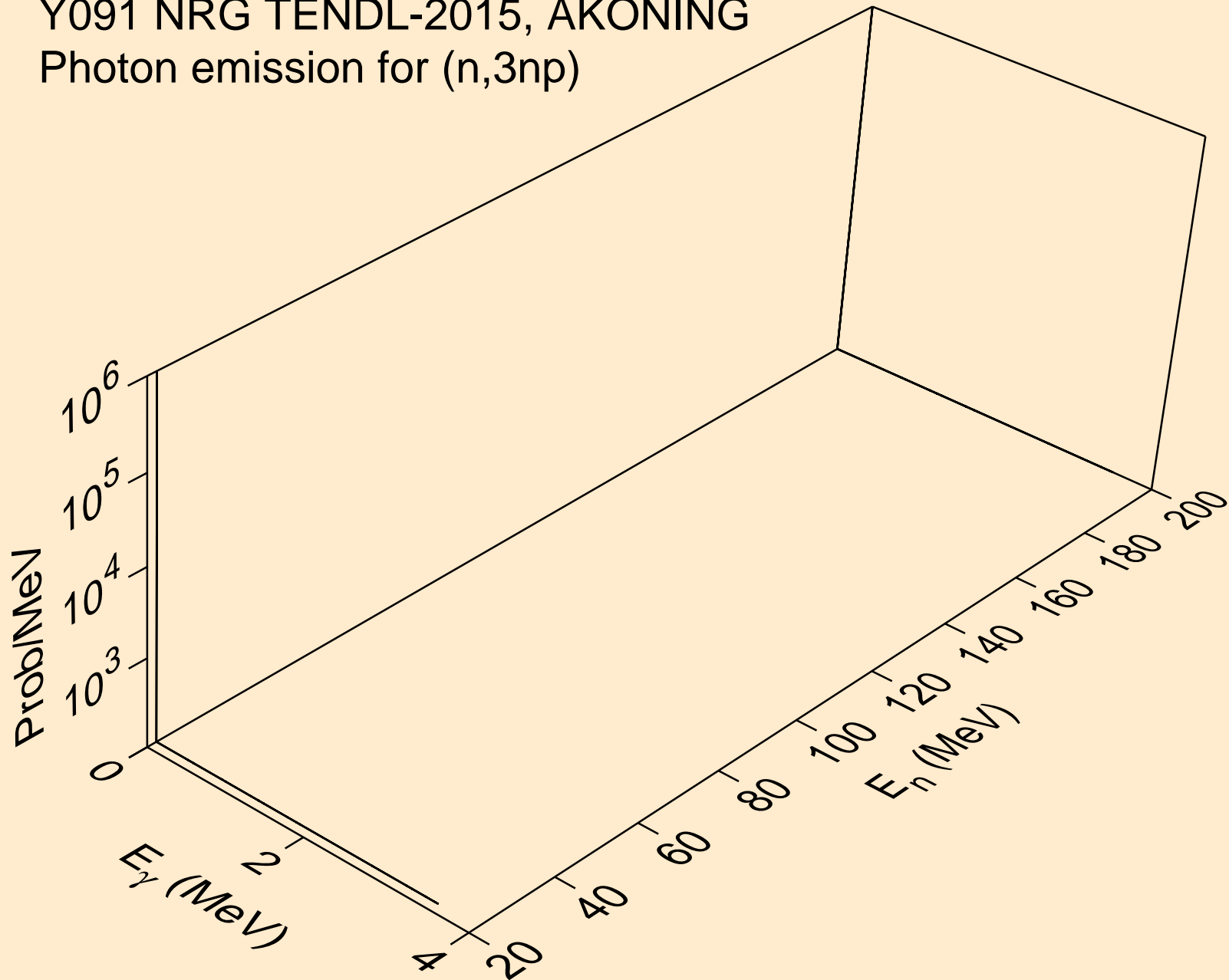


Y091 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)

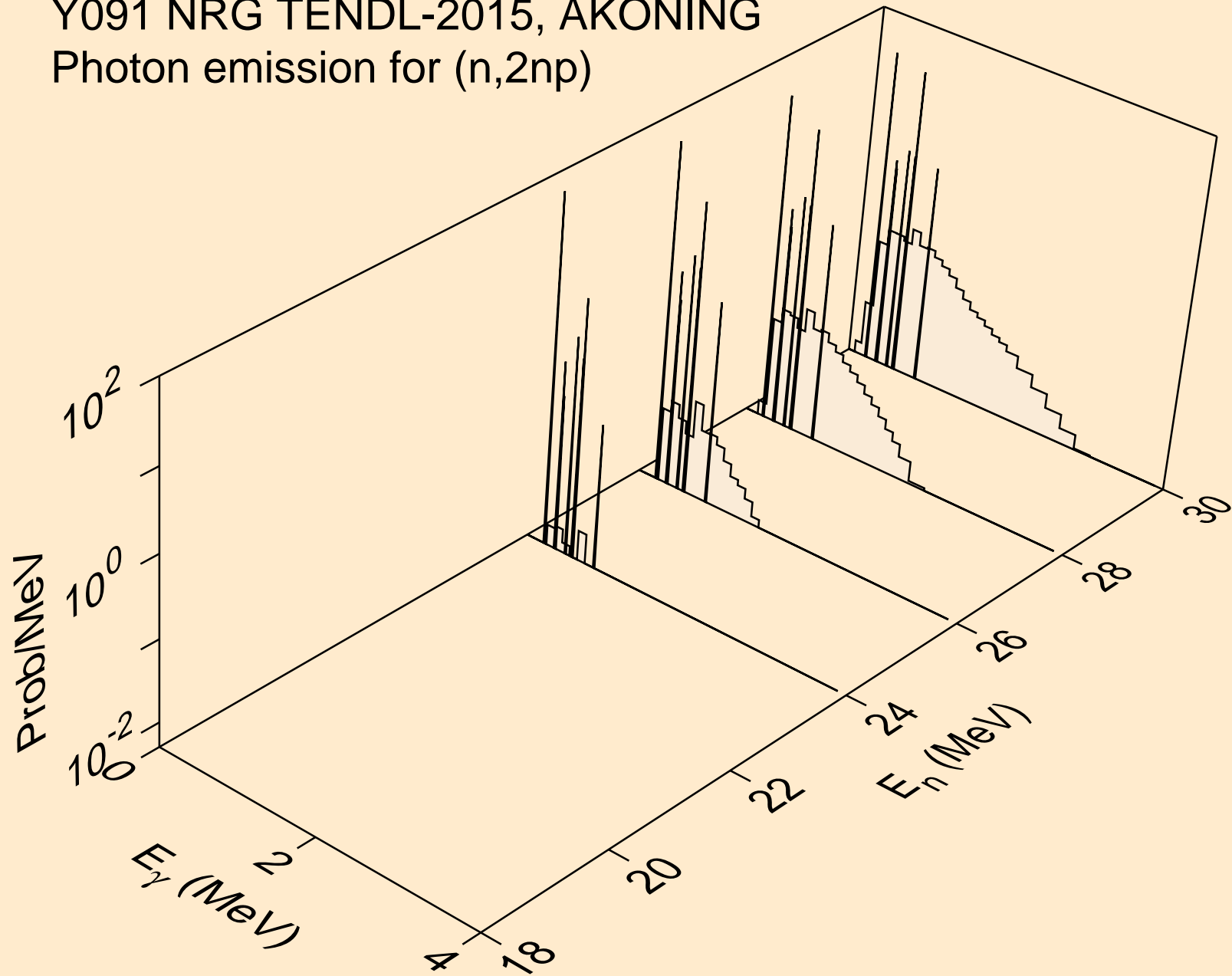




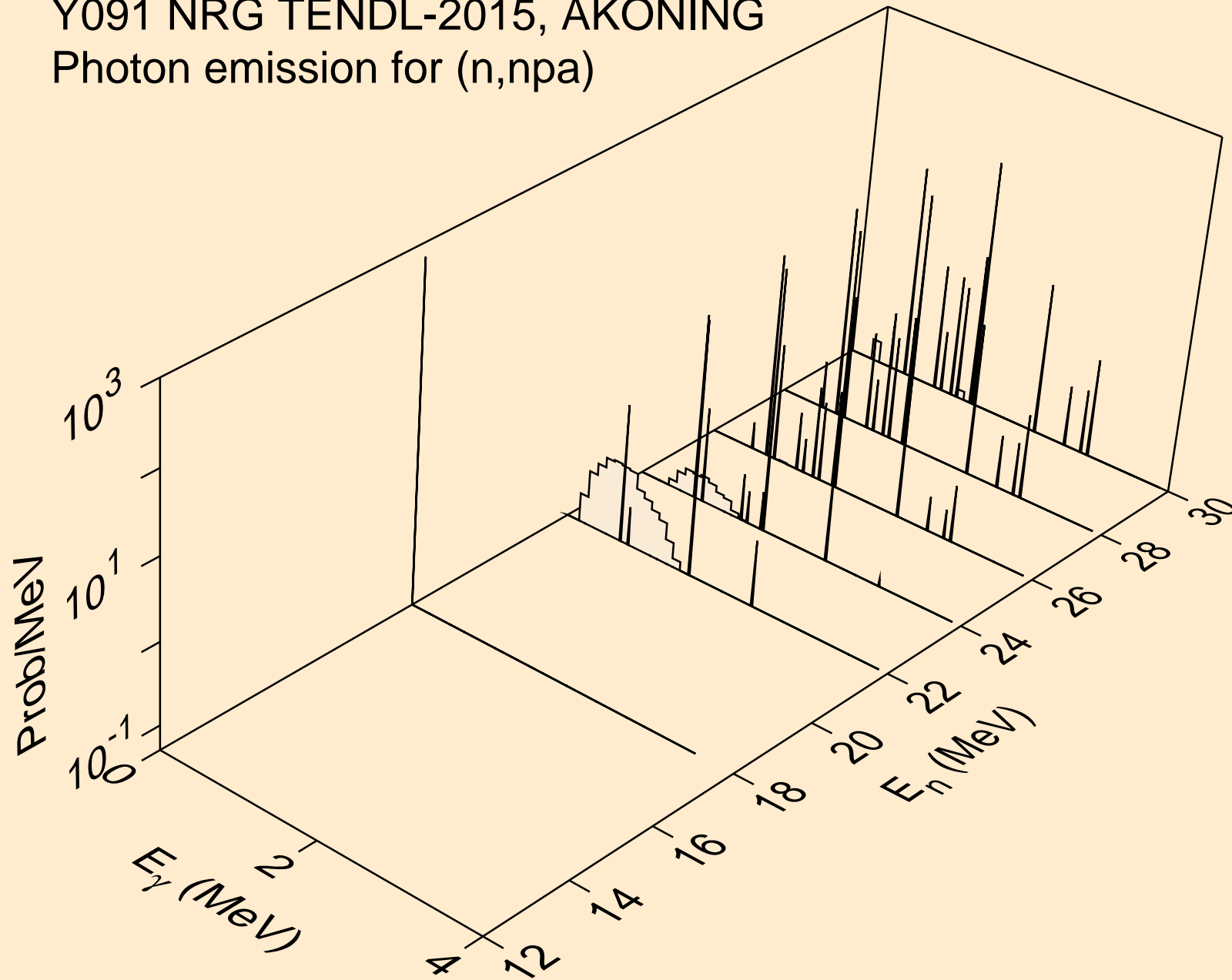
Y091 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



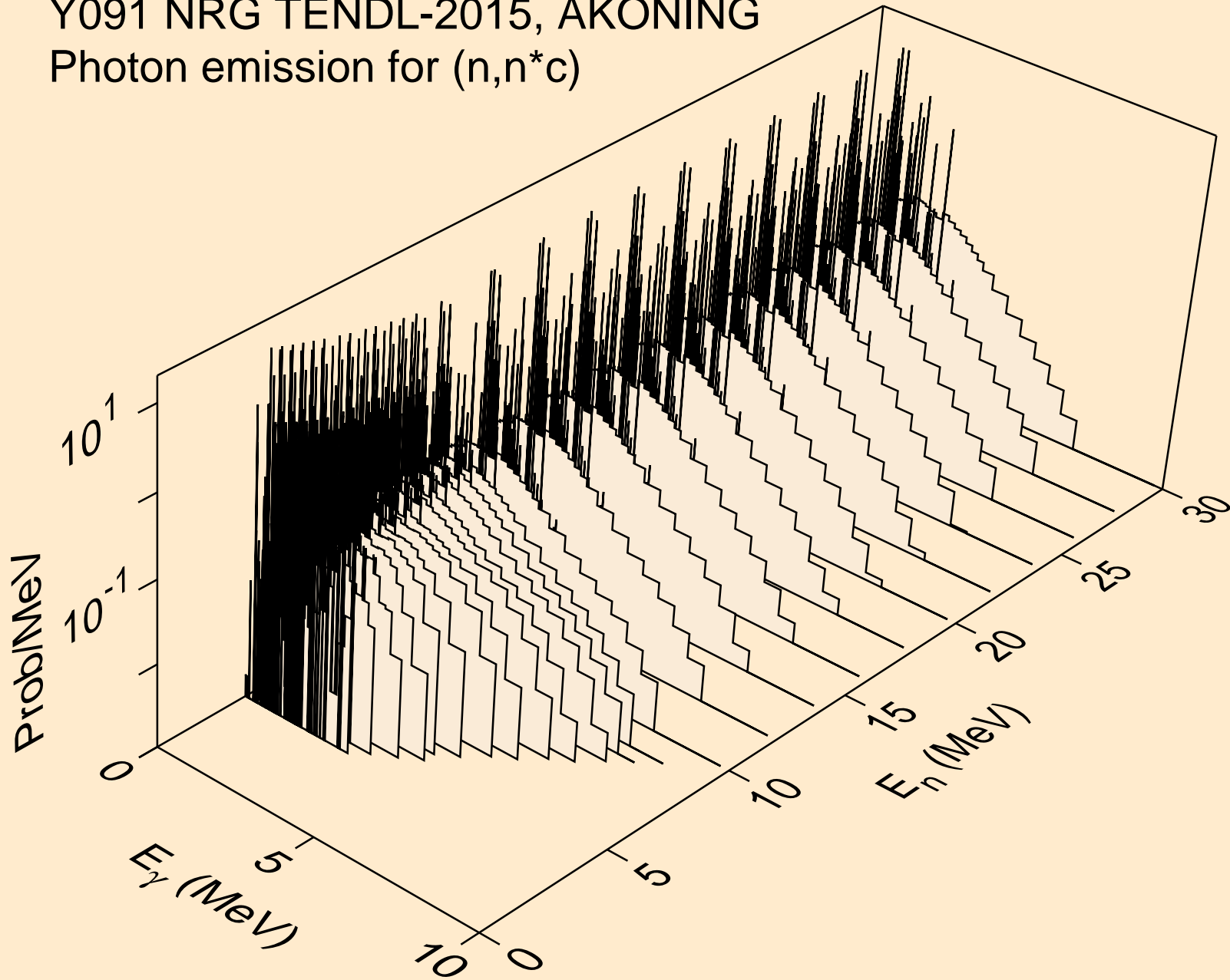
Y091 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



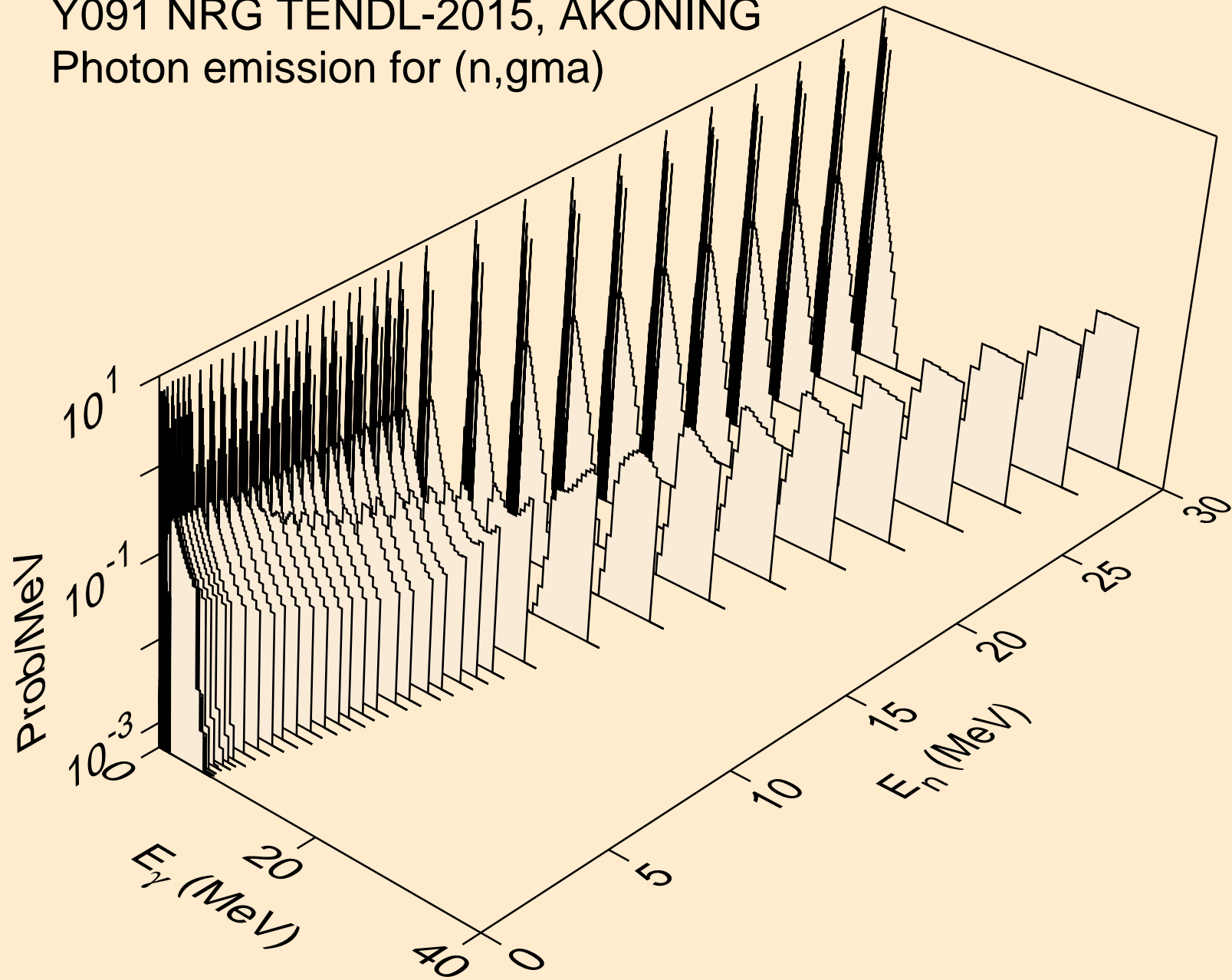
Y091 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



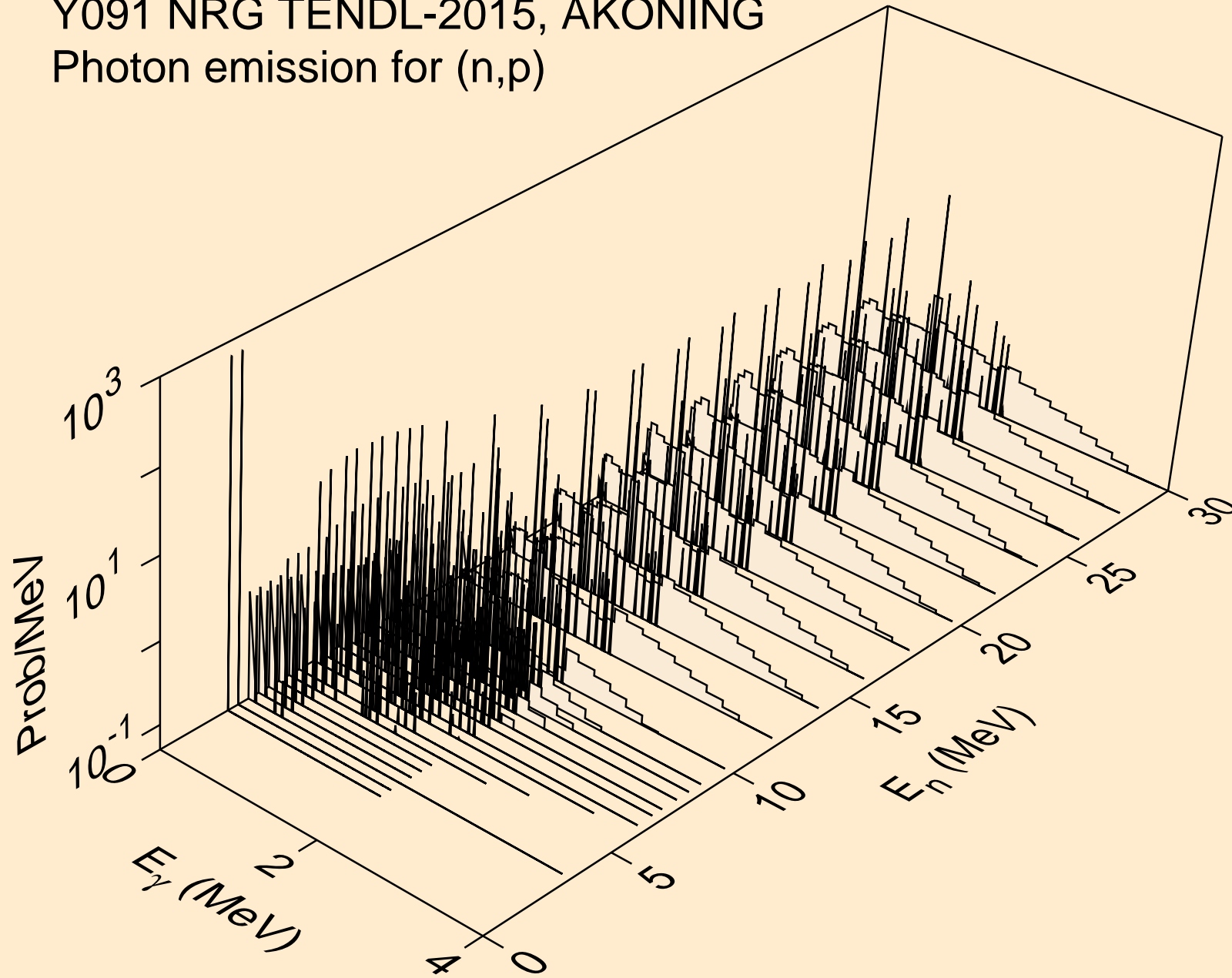
Y091 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



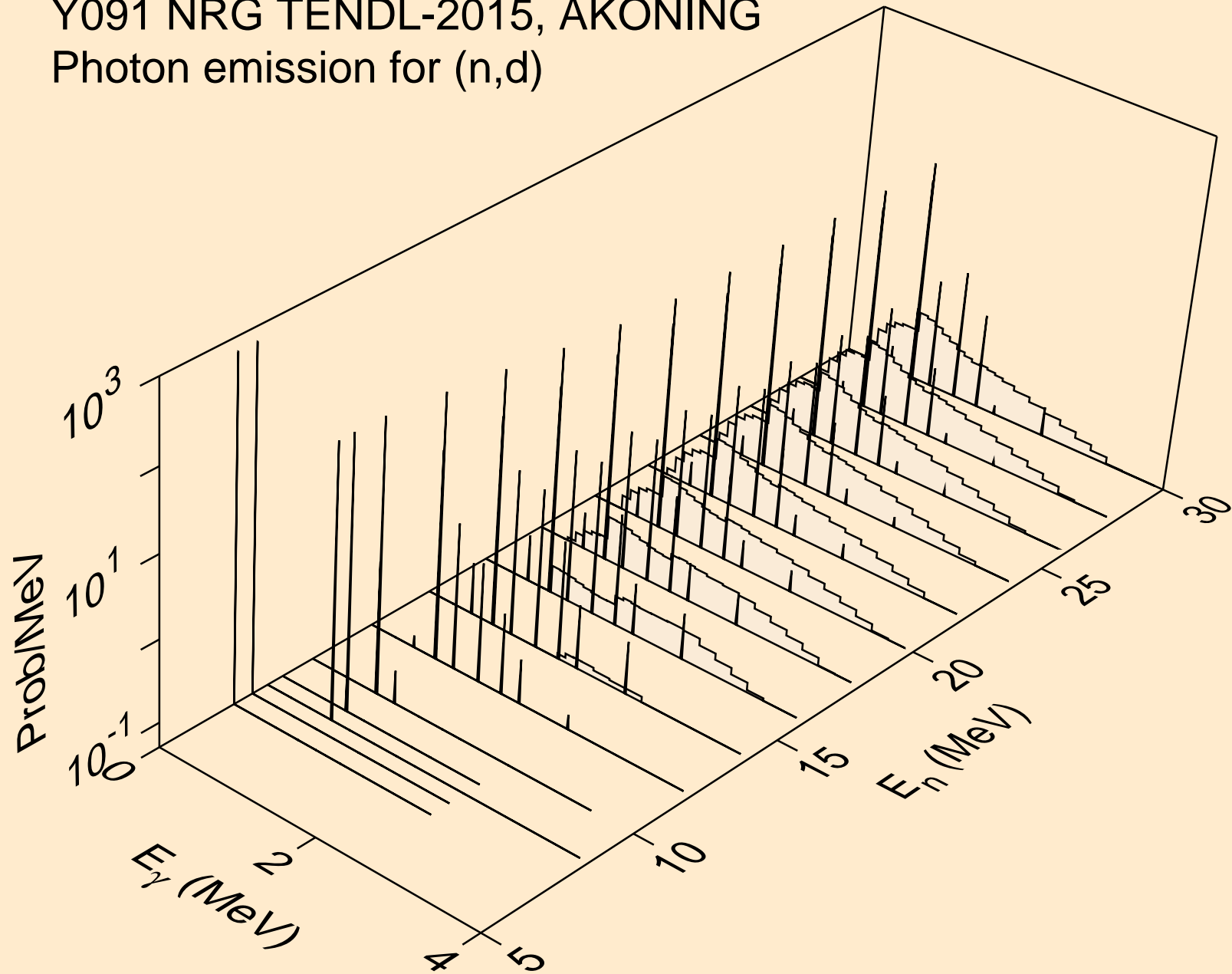
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Photon emission for (n,gma)



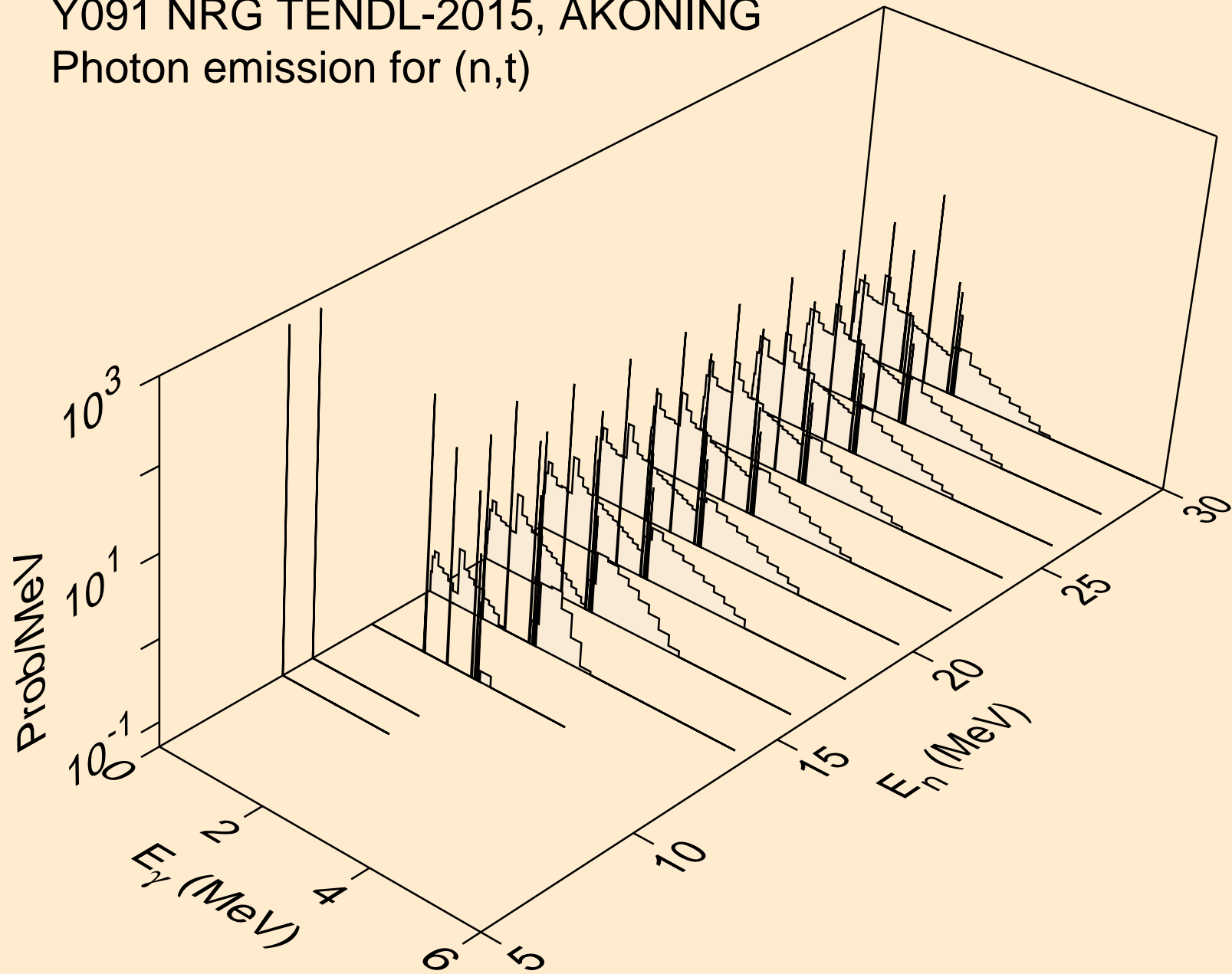
Y091 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



Y091 NRG TENDL-2015, AKONING  
Photon emission for (n,d)

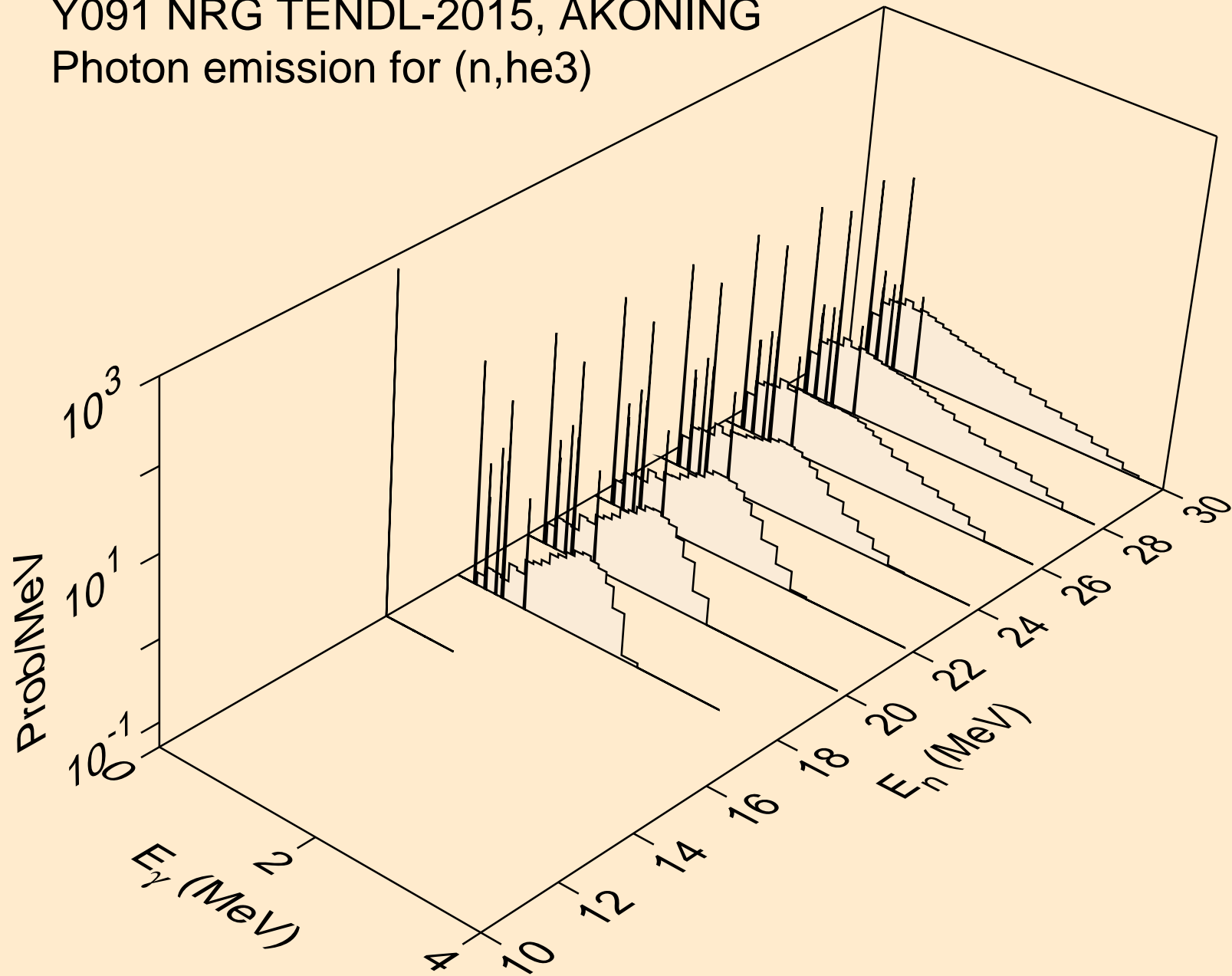


Y091 NRG TENDL-2015, AKONING  
Photon emission for (n,t)

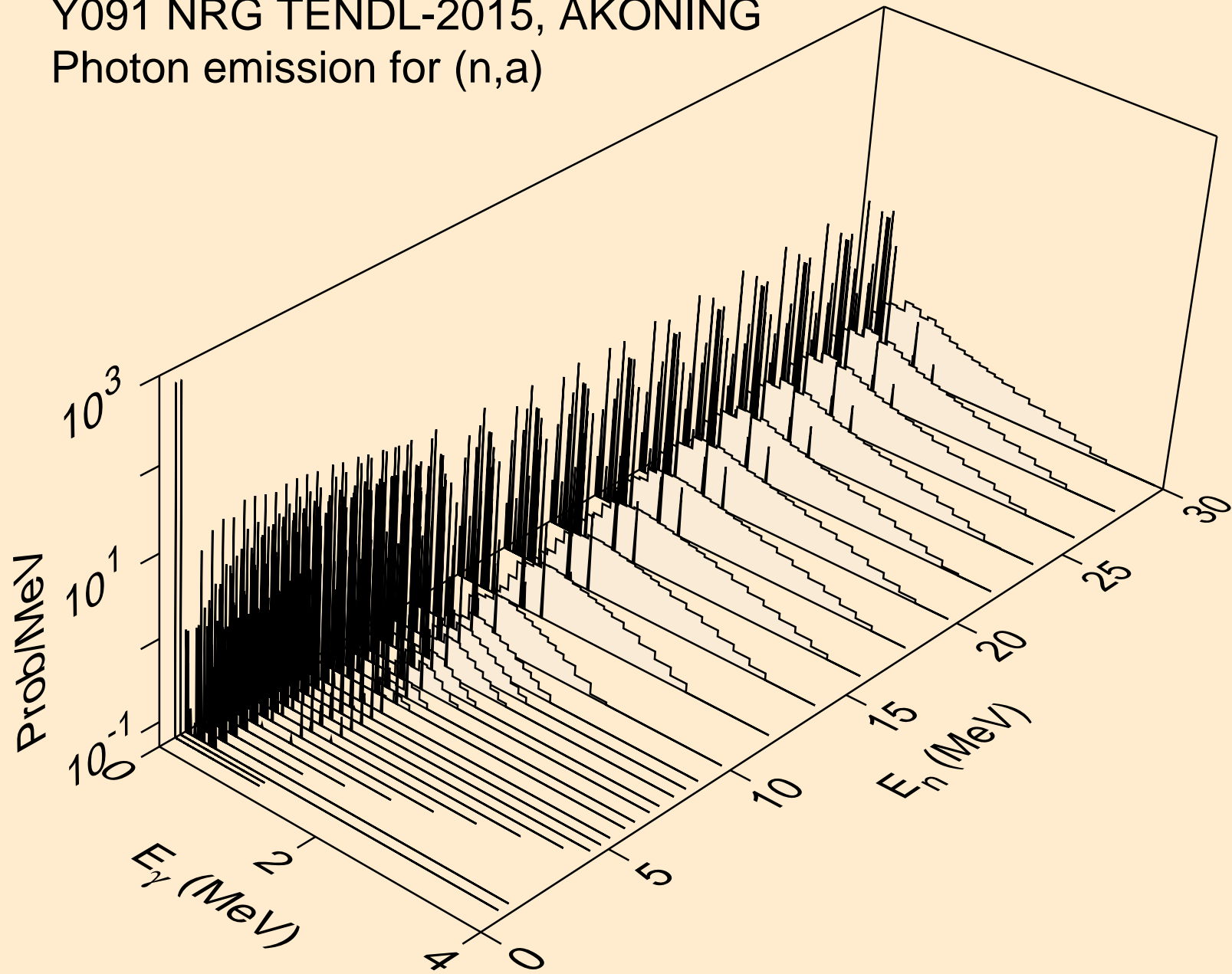




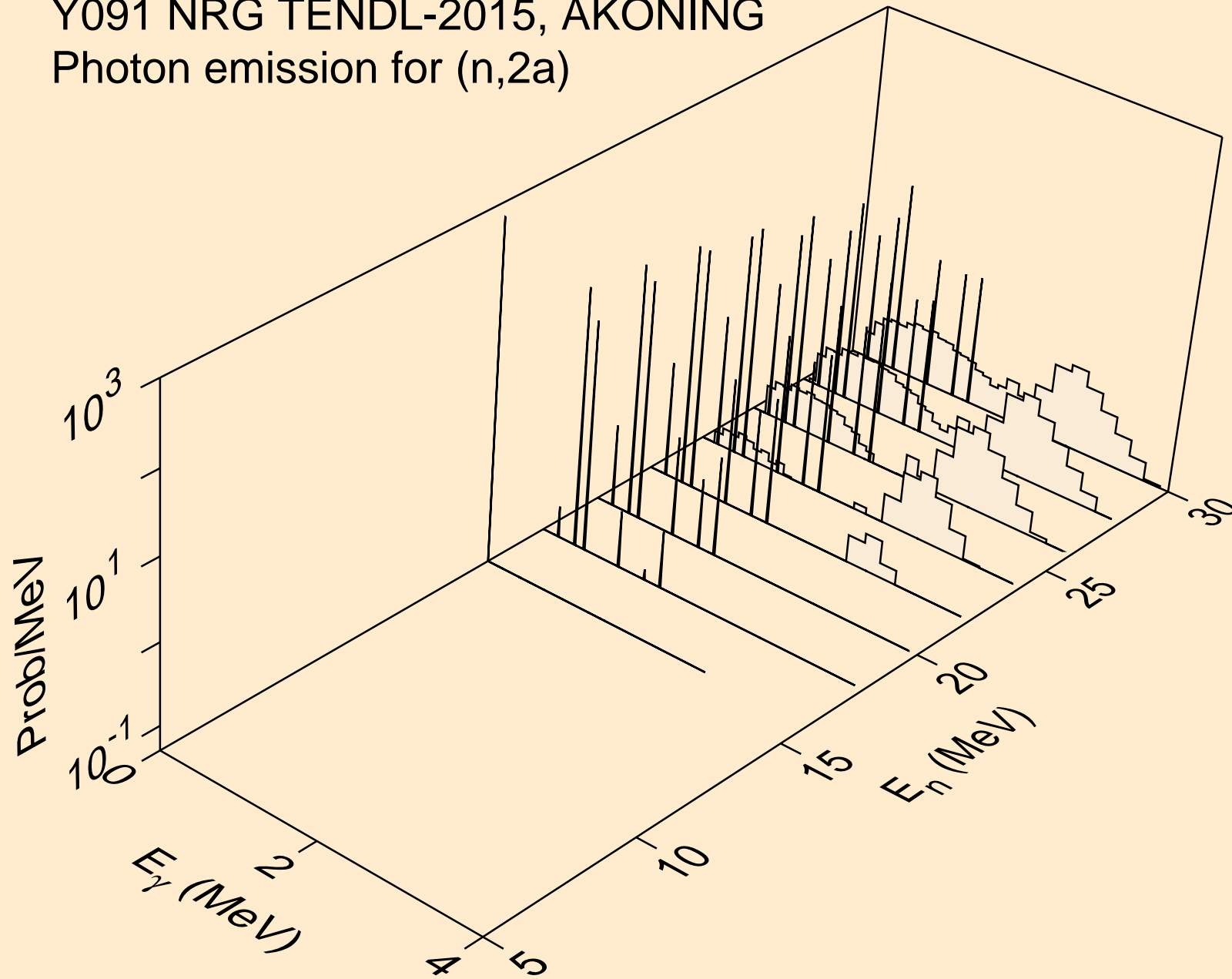
Y091 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



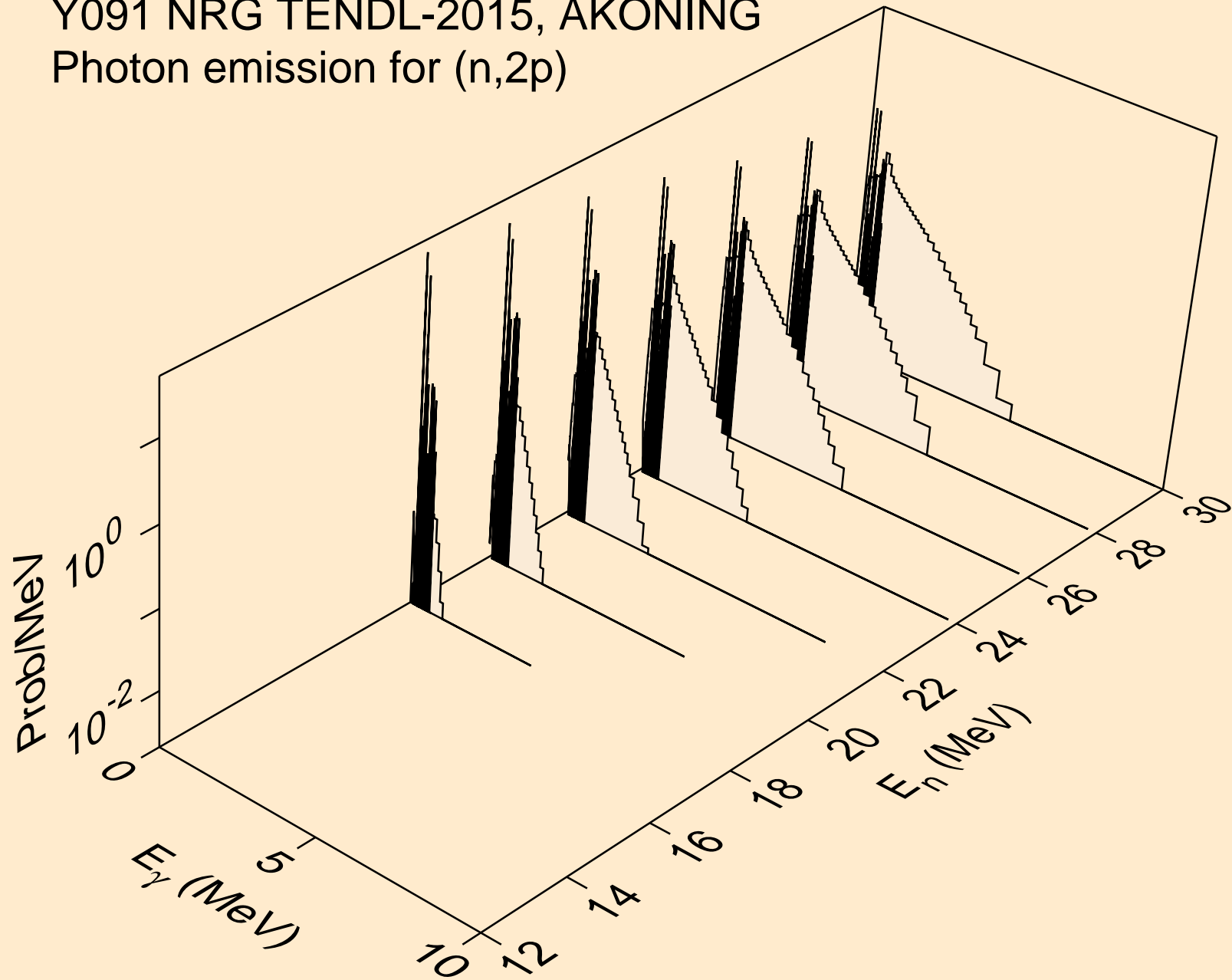
Y091 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



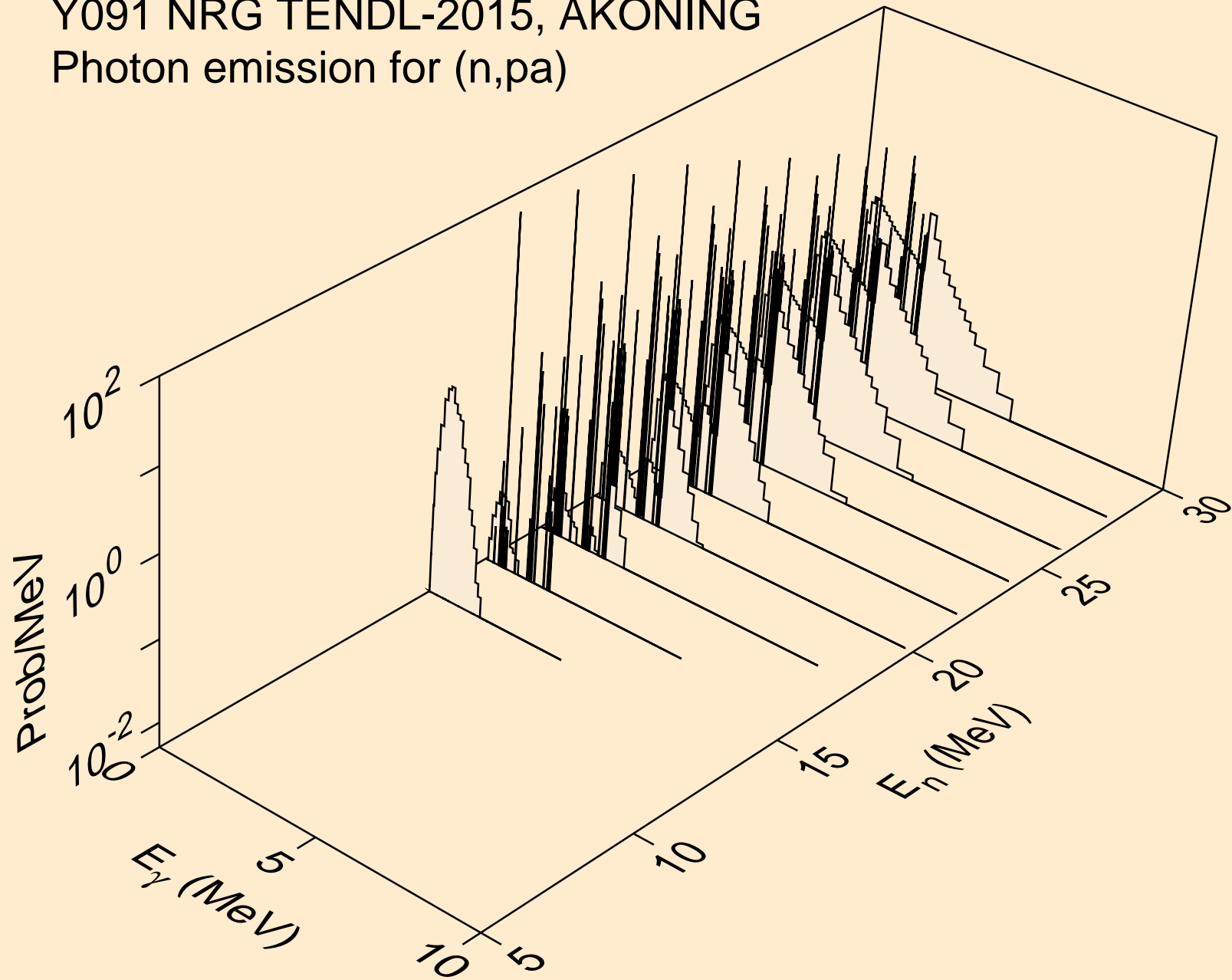
Y091 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



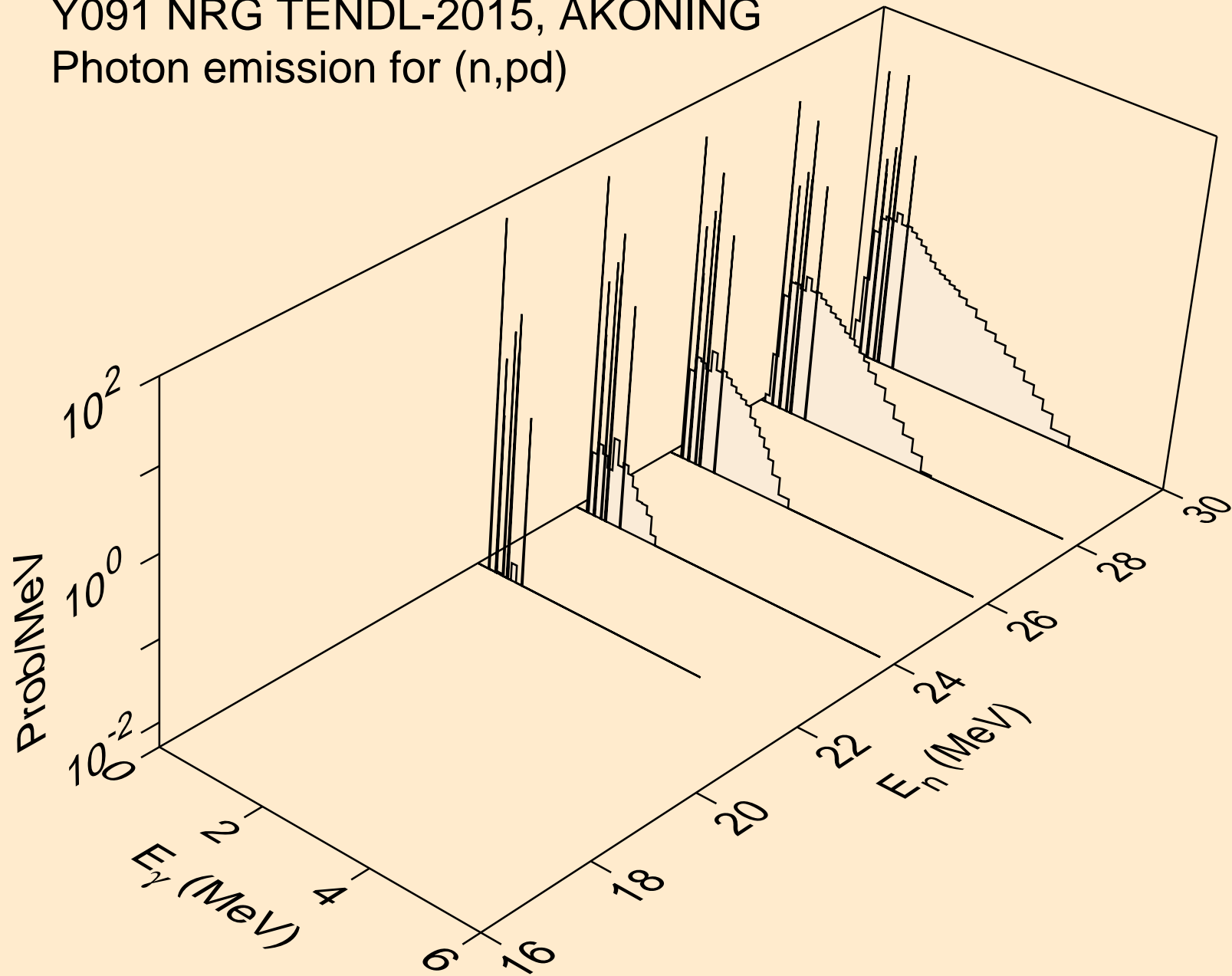
Y091 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



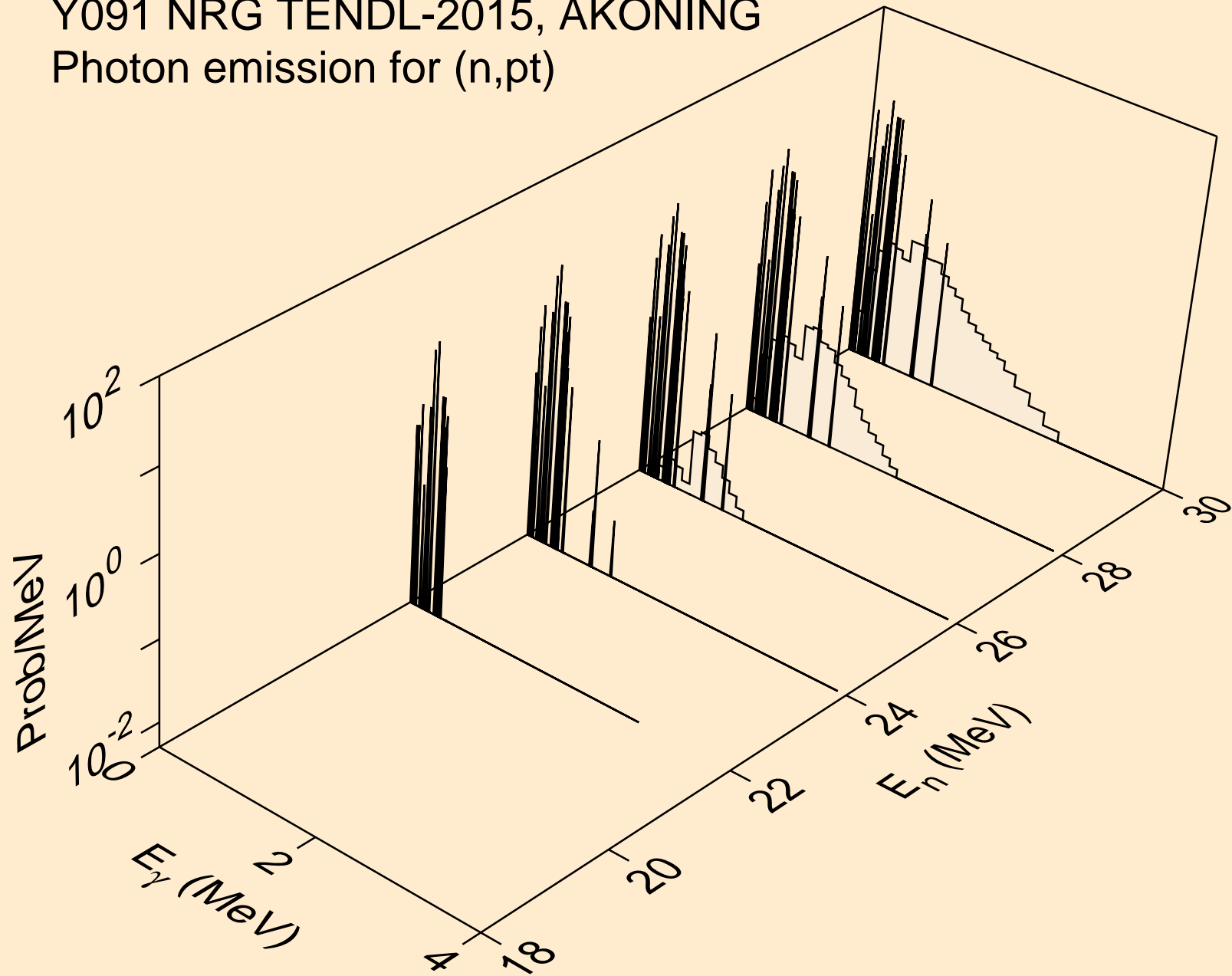
Y091 NRG TENDL-2015, AKONING  
Photon emission for (n,pa)



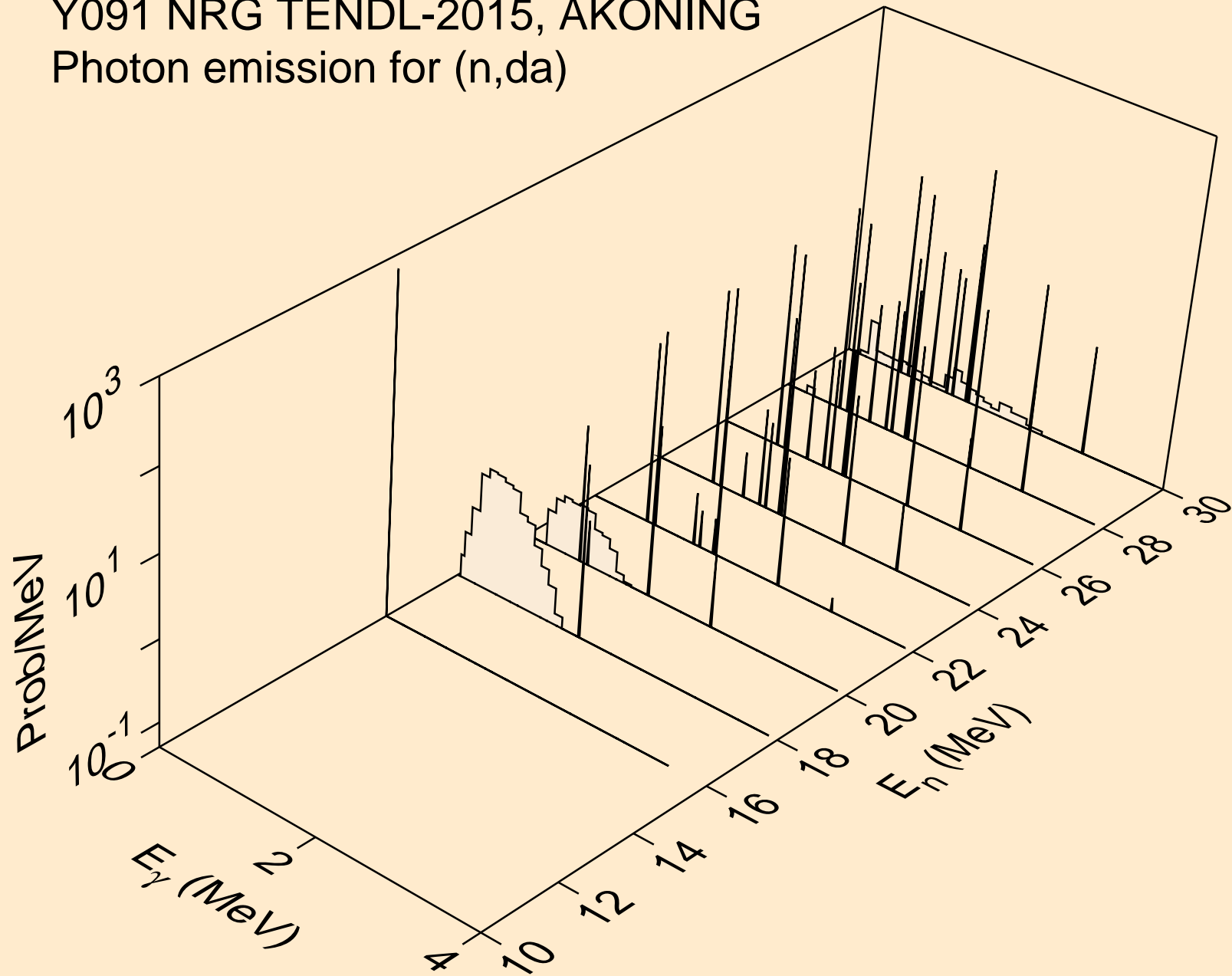
Y091 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



Y091 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)

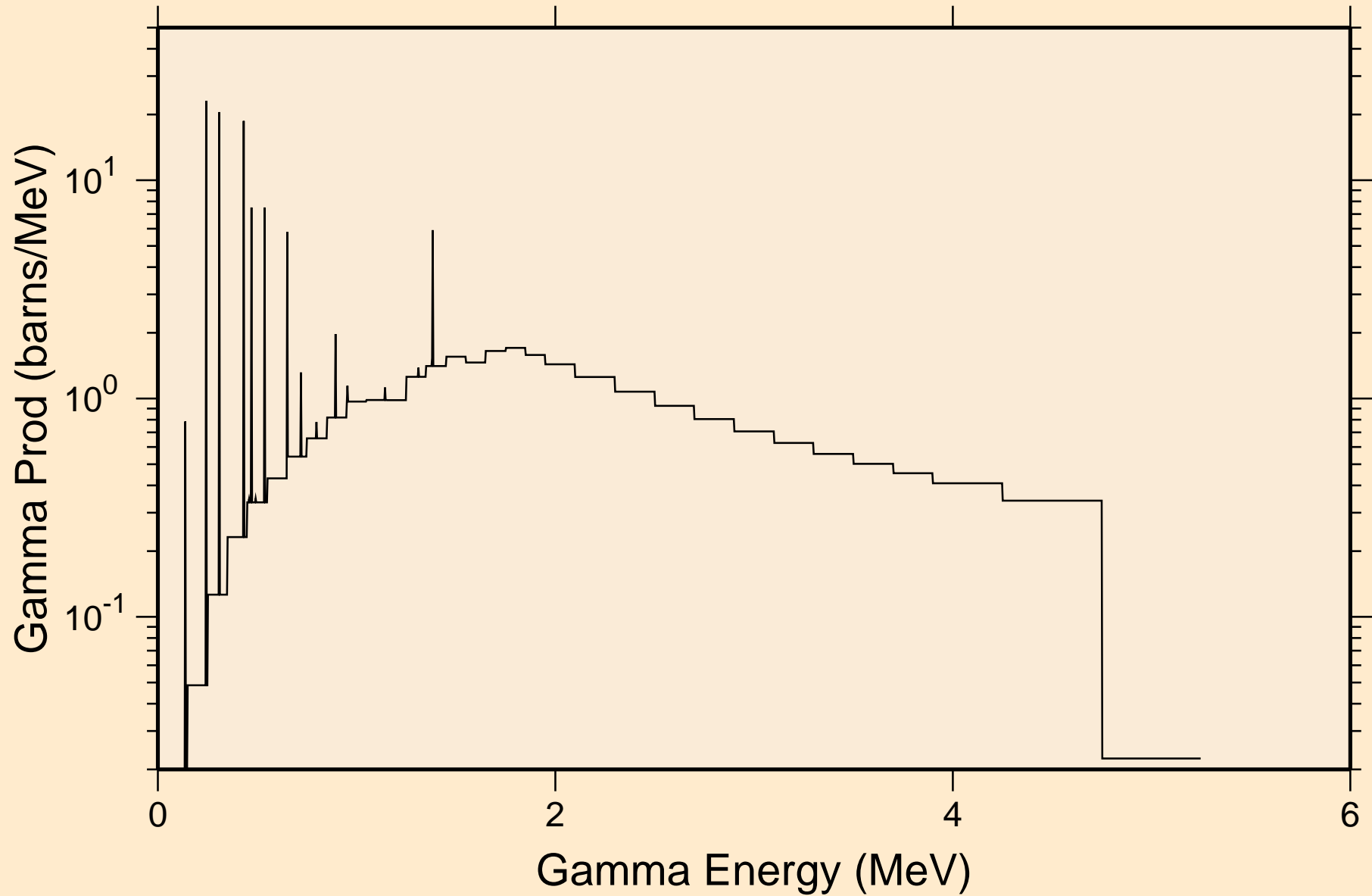


Y091 NRG TENDL-2015, AKONING  
Photon emission for (n,da)

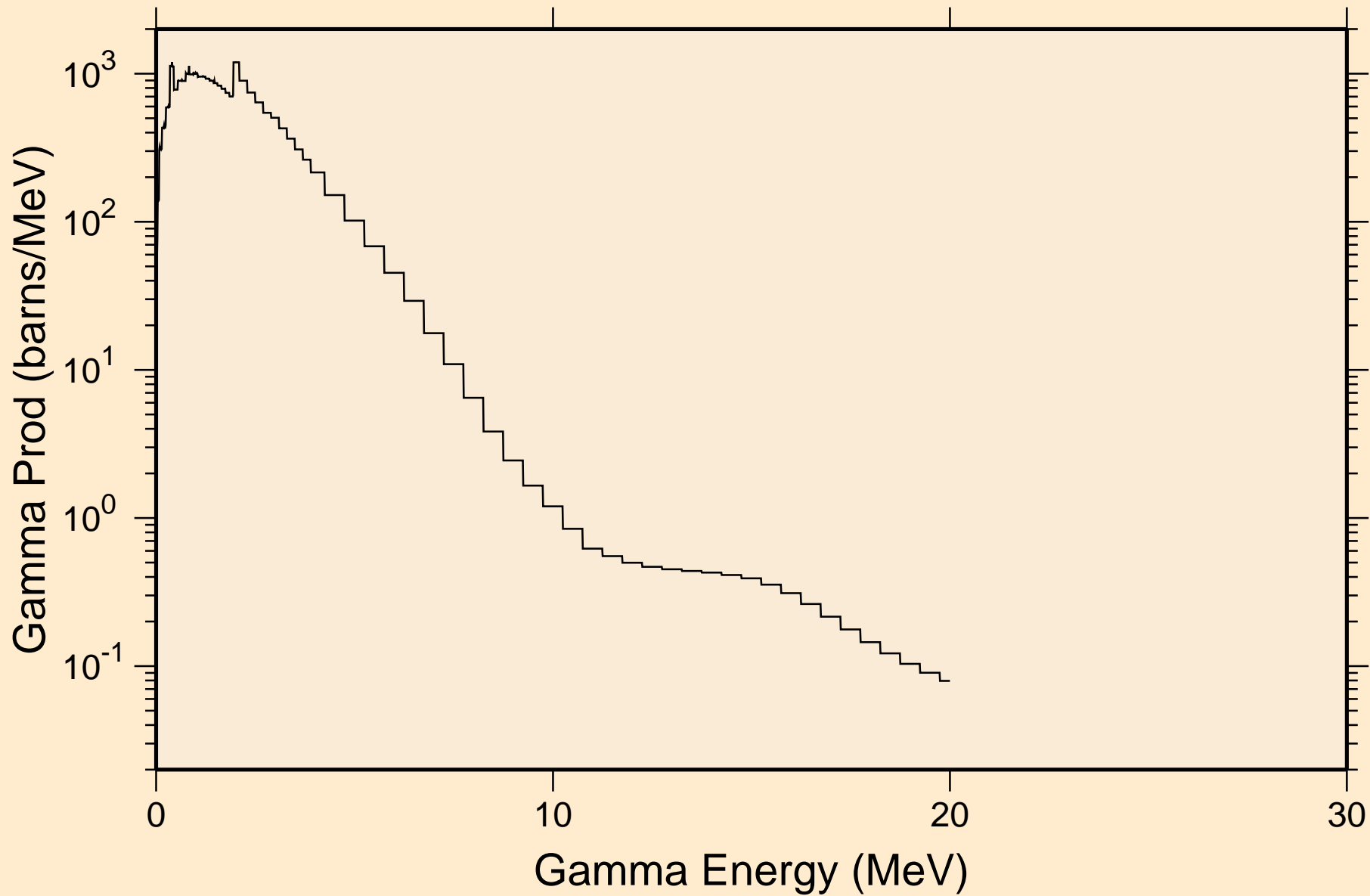




Y091 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

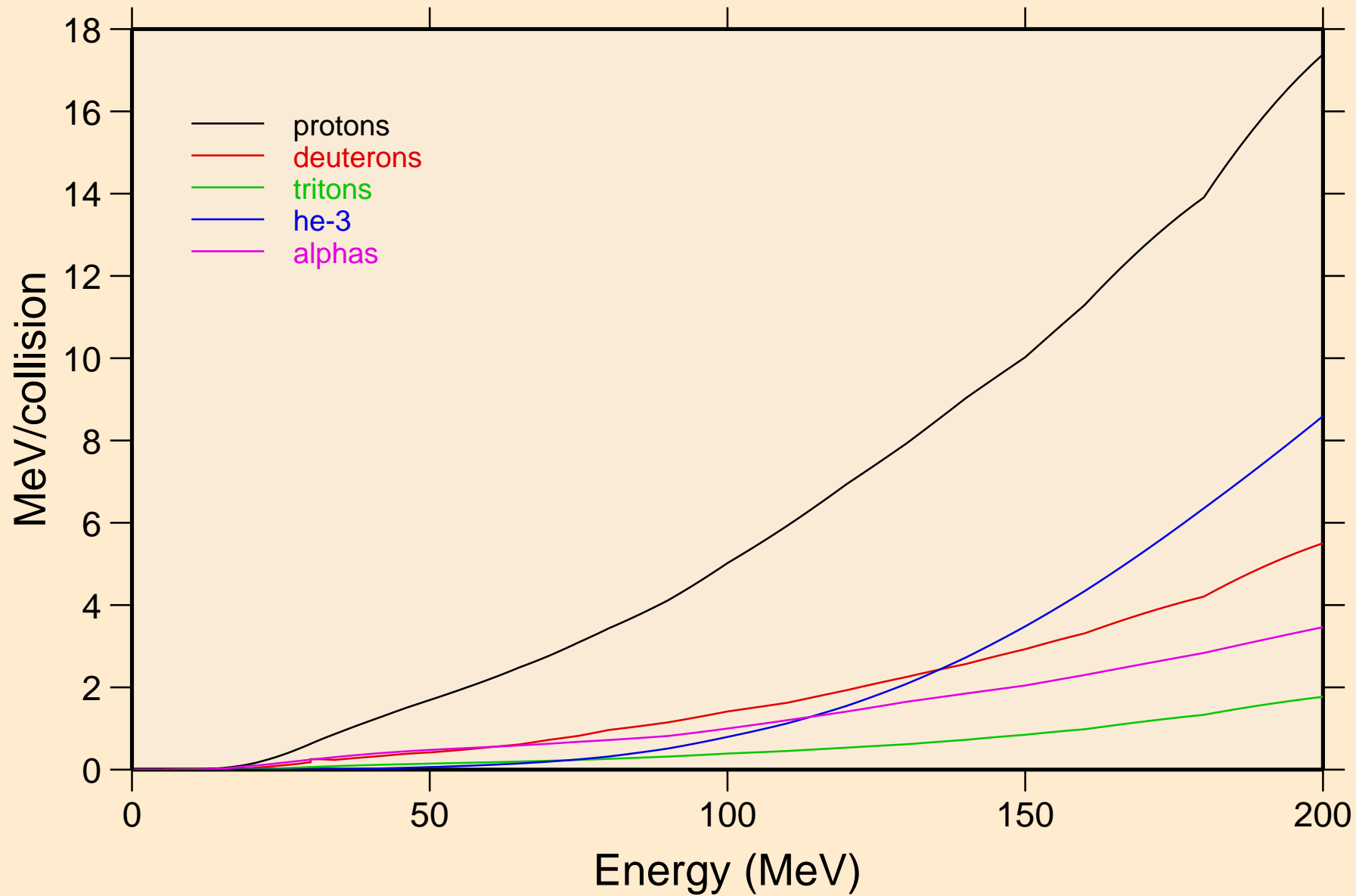


Y091 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



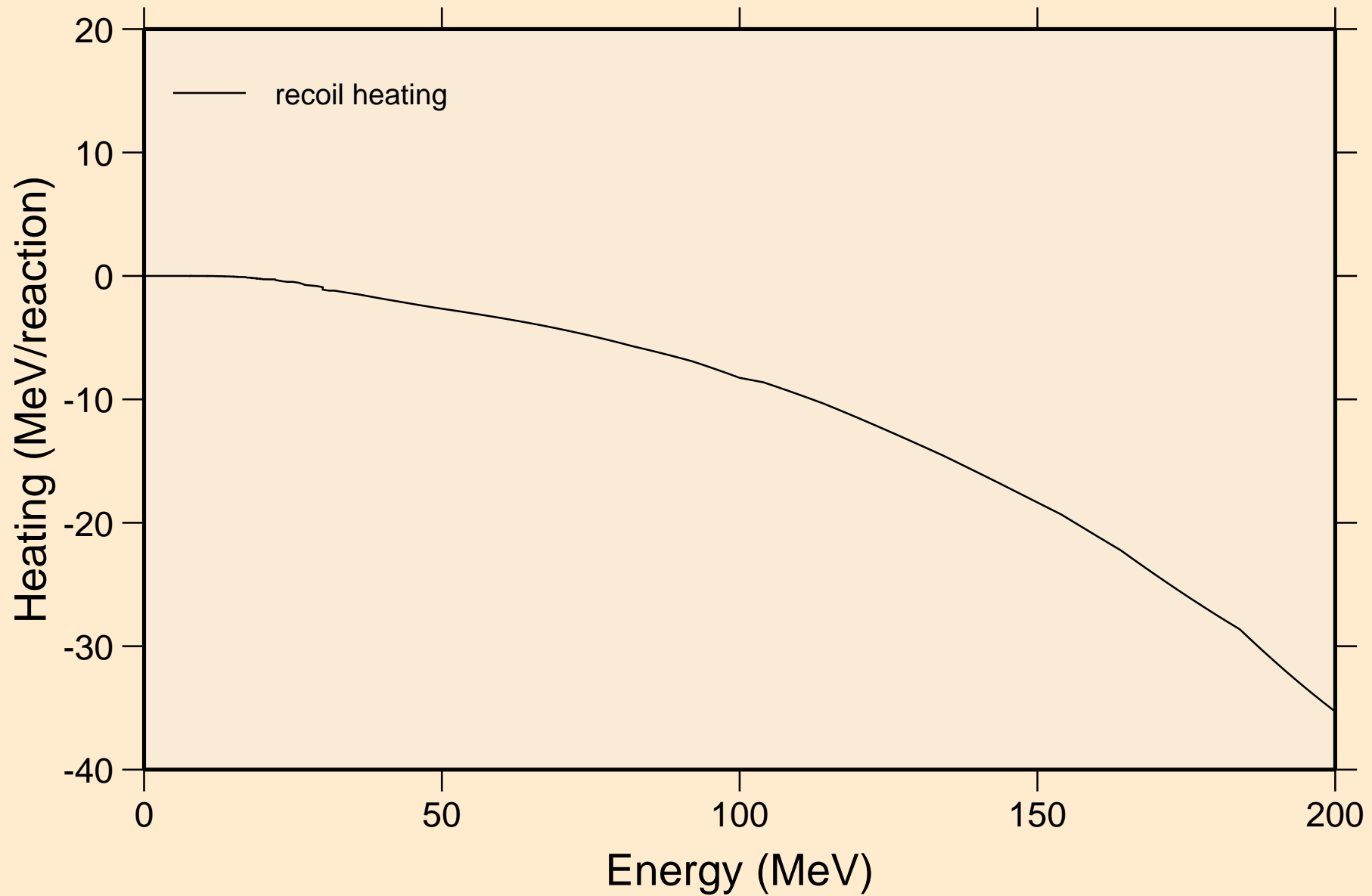
# Y091 NRG TENDL-2015, AKONING

## Particle heating contributions



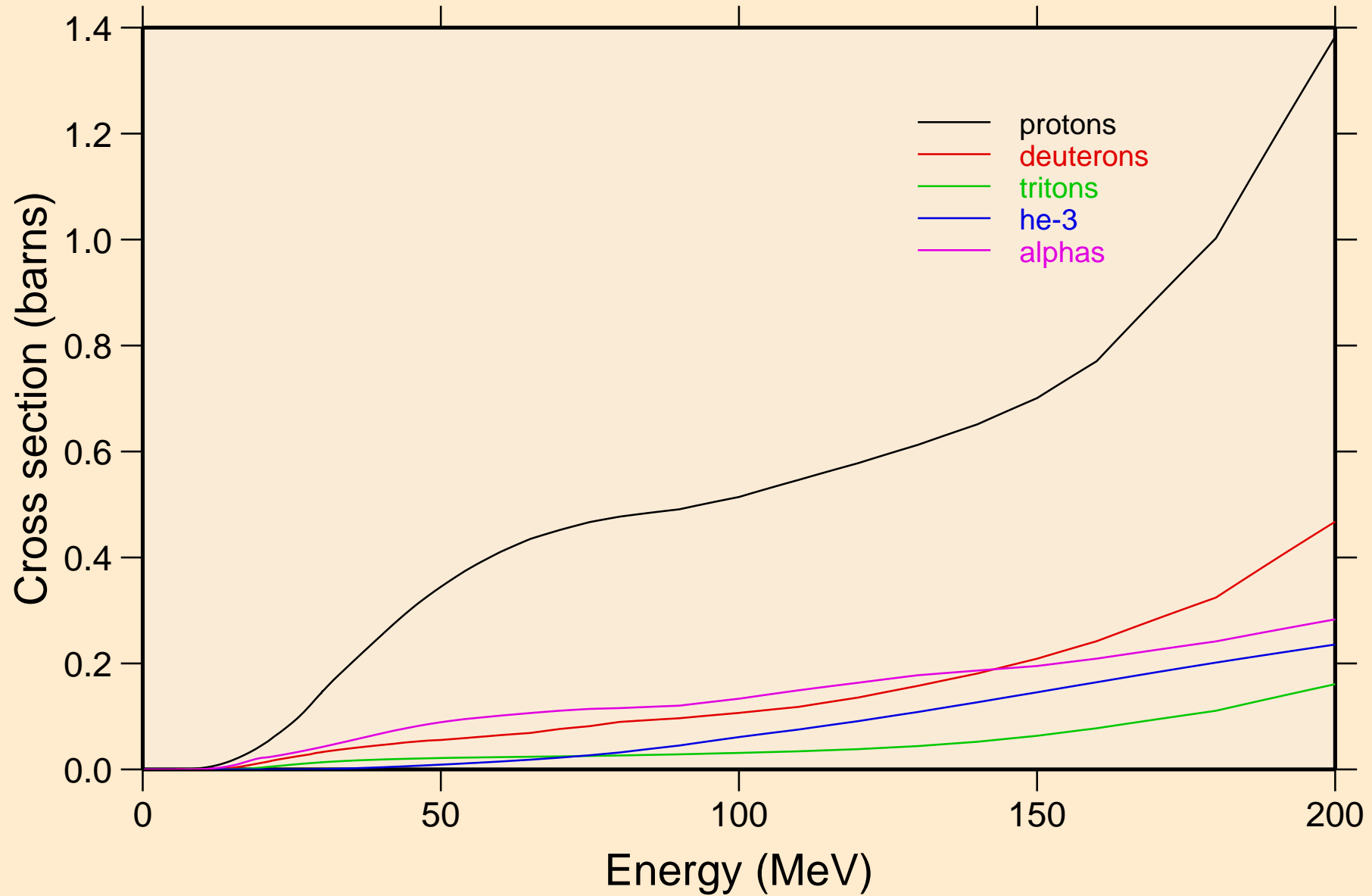
# Y091 NRG TENDL-2015, AKONING

## Recoil Heating

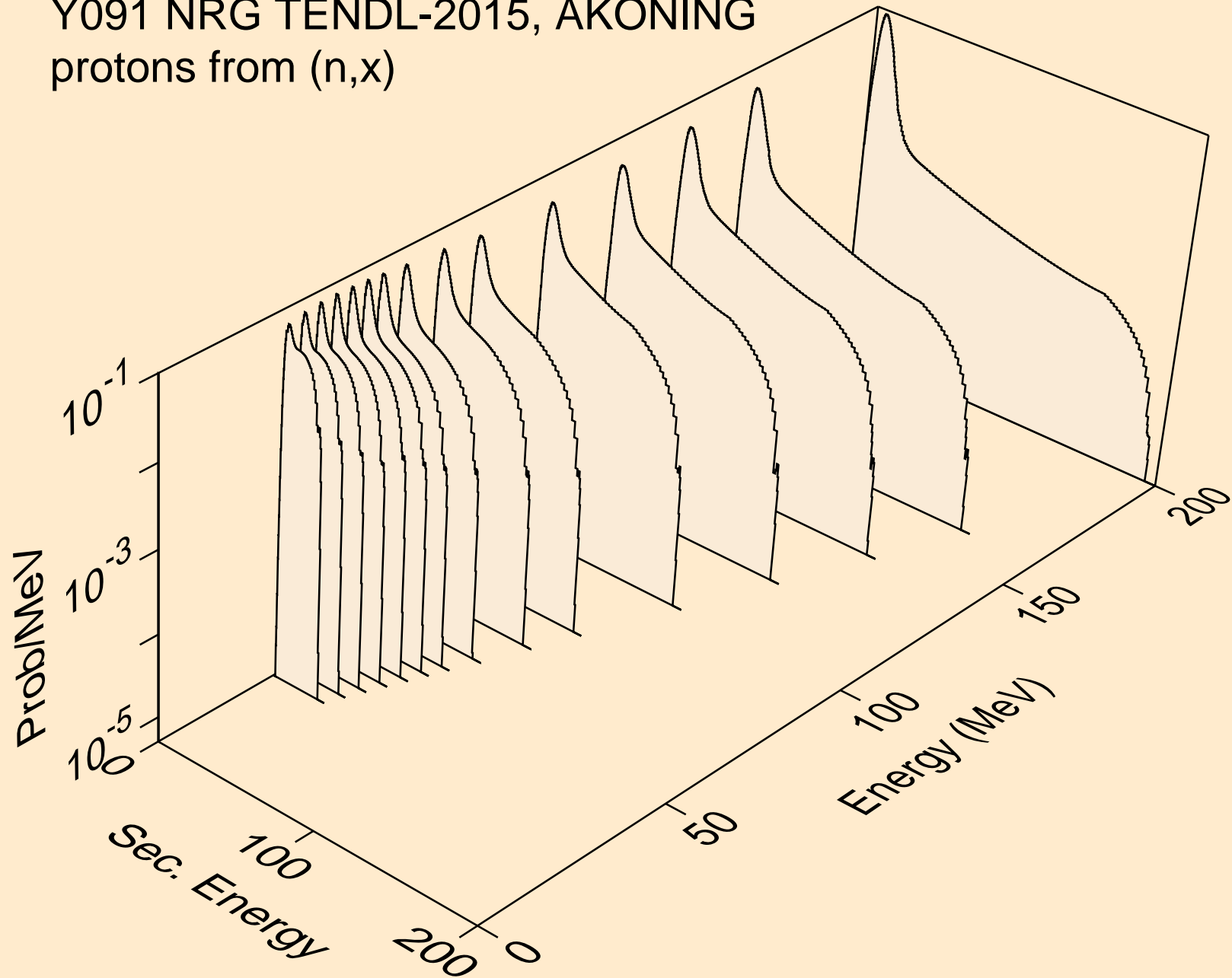


# Y091 NRG TENDL-2015, AKONING

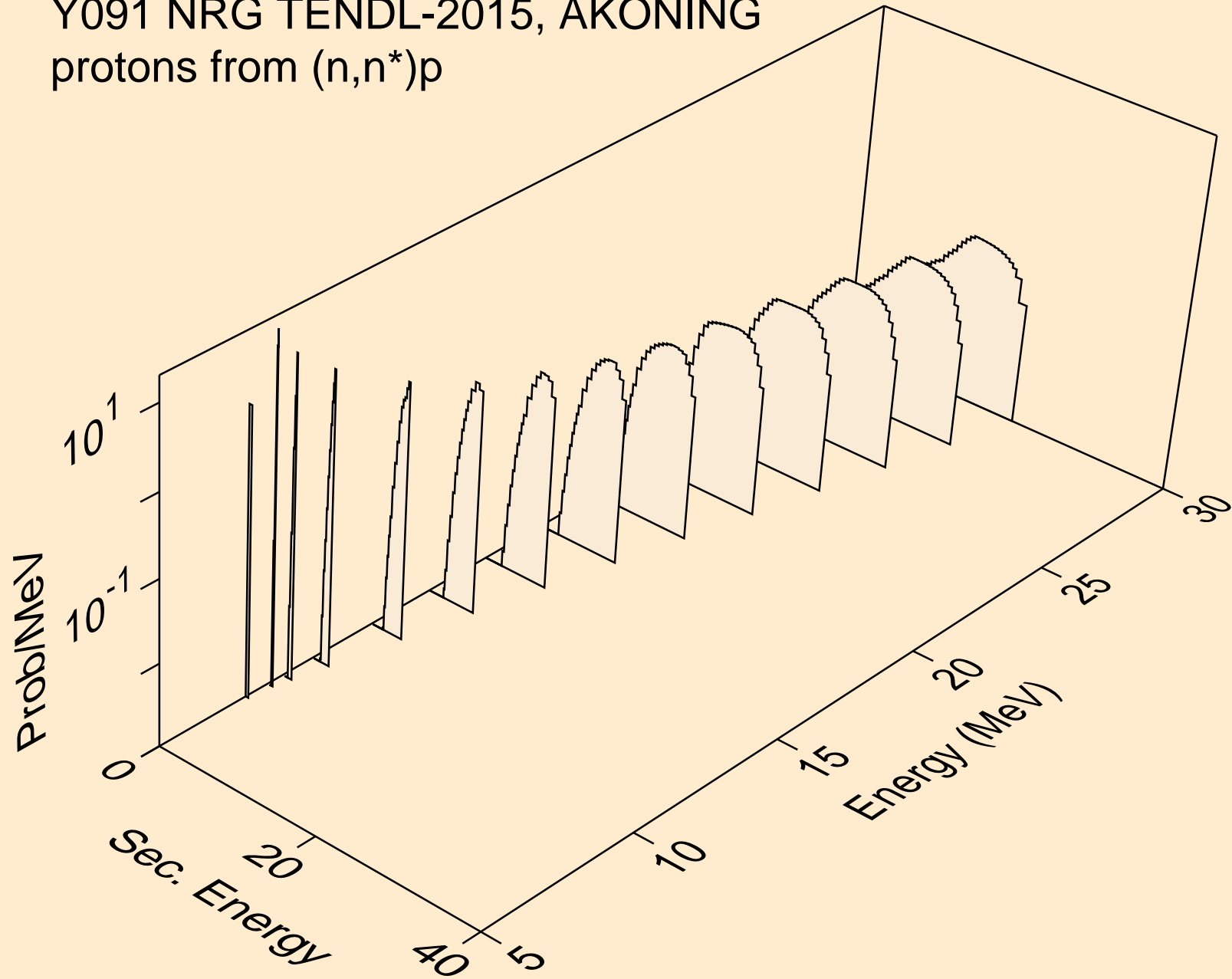
## Particle production cross sections



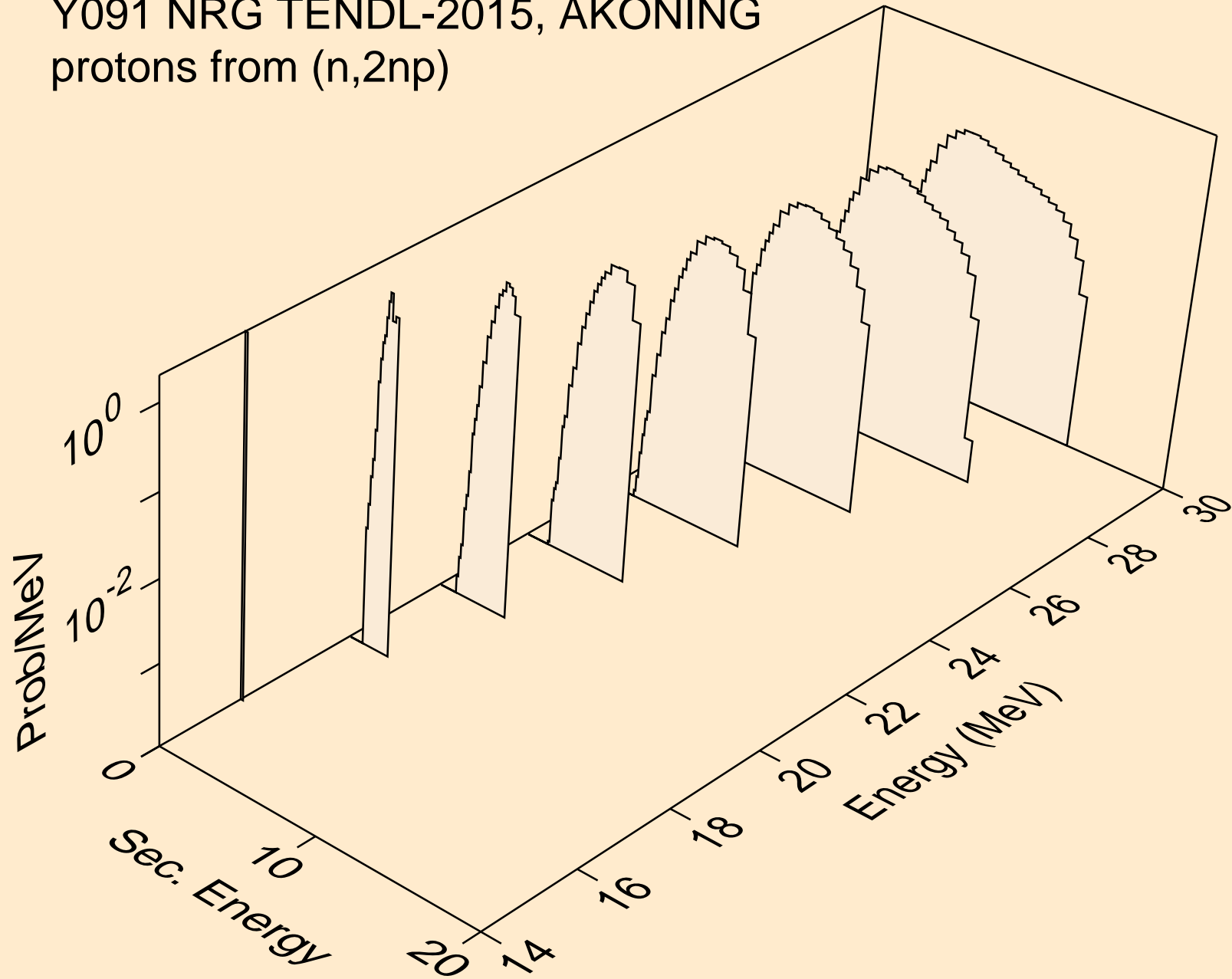
Y091 NRG TENDL-2015, AKONING  
protons from (n,x)



Y091 NRG TENDL-2015, AKONING  
protons from (n,n\*)p

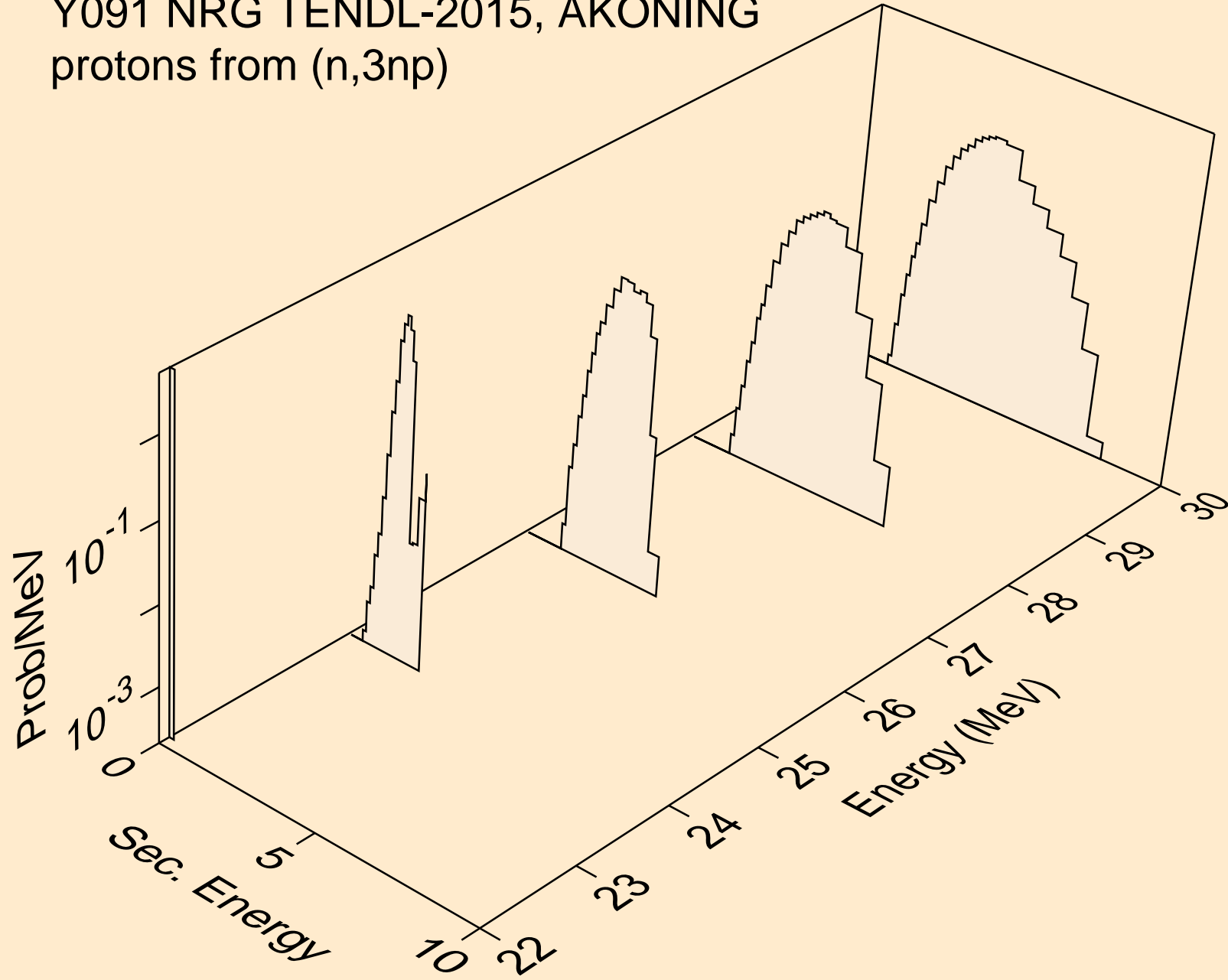


Y091 NRG TENDL-2015, AKONING  
protons from (n,2np)

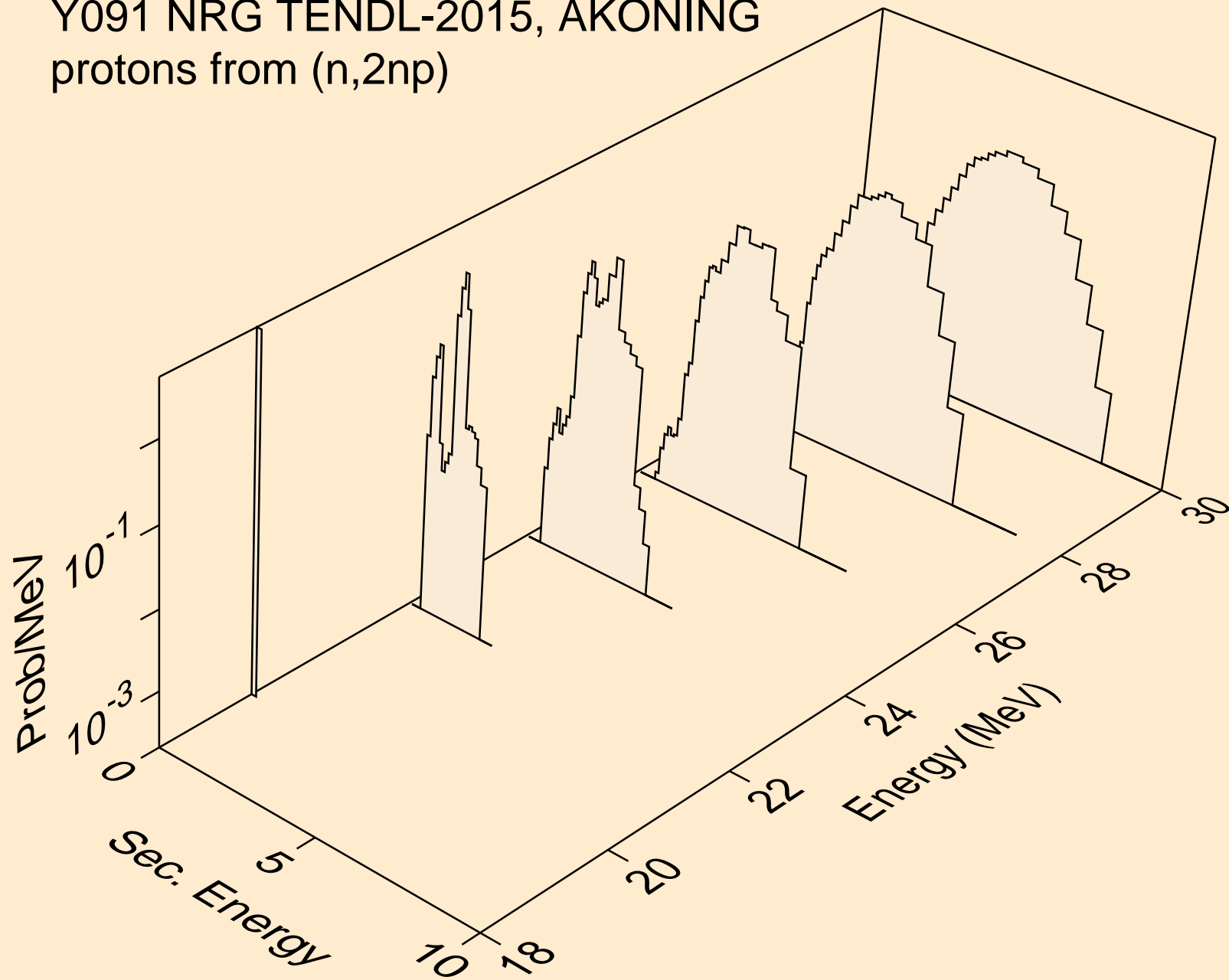




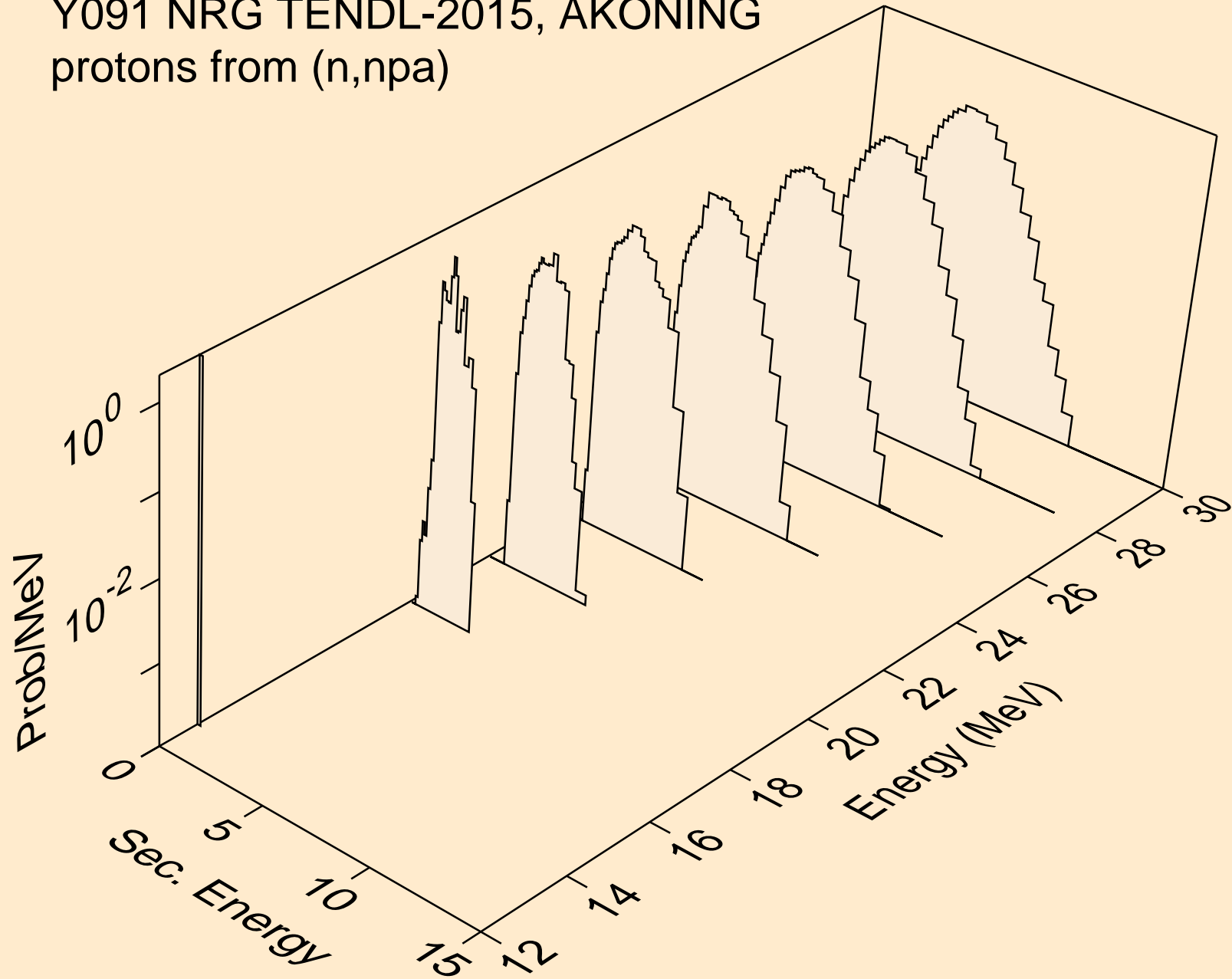
Y091 NRG TENDL-2015, AKONING  
protons from (n,3np)



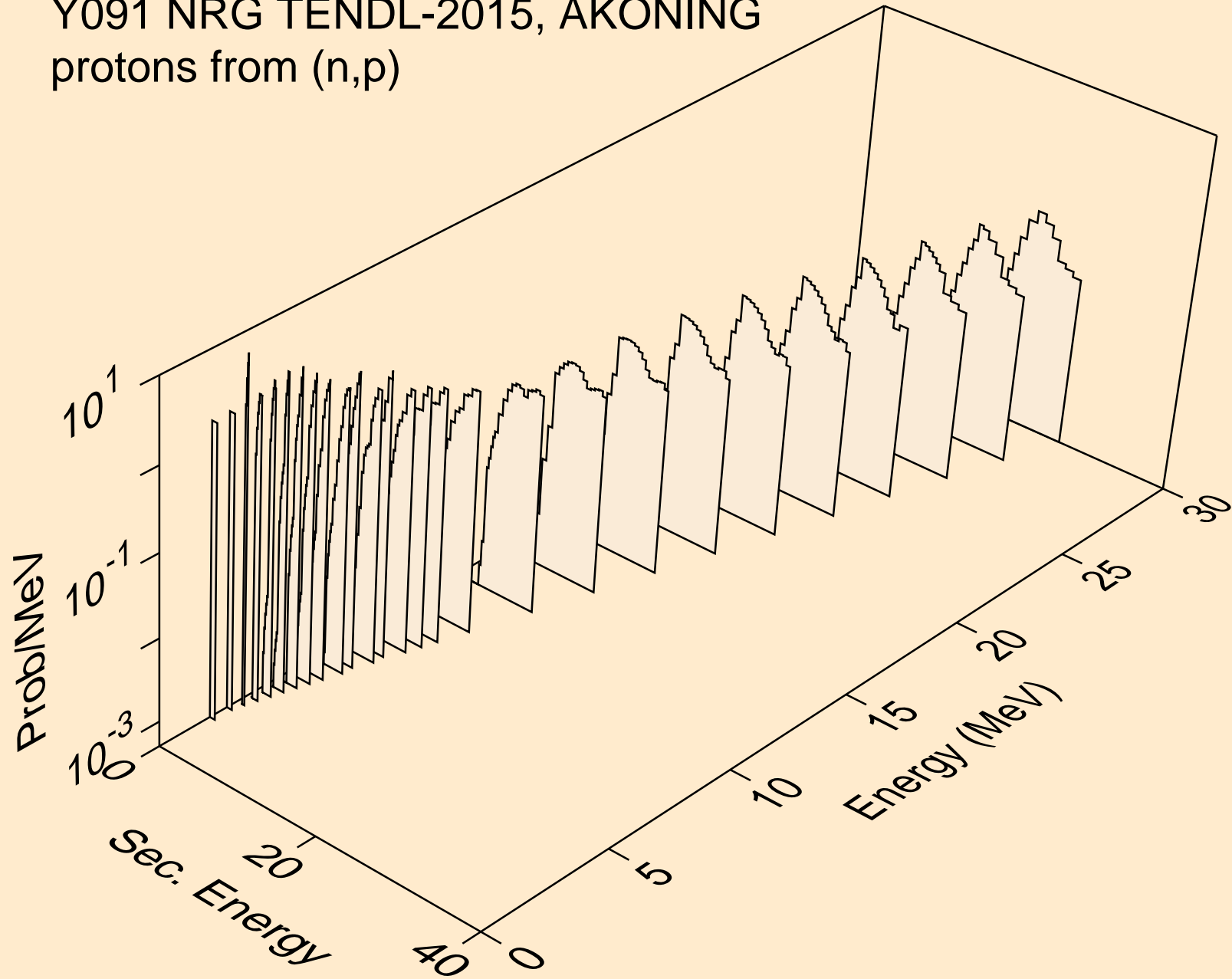
Y091 NRG TENDL-2015, AKONING  
protons from (n,2np)



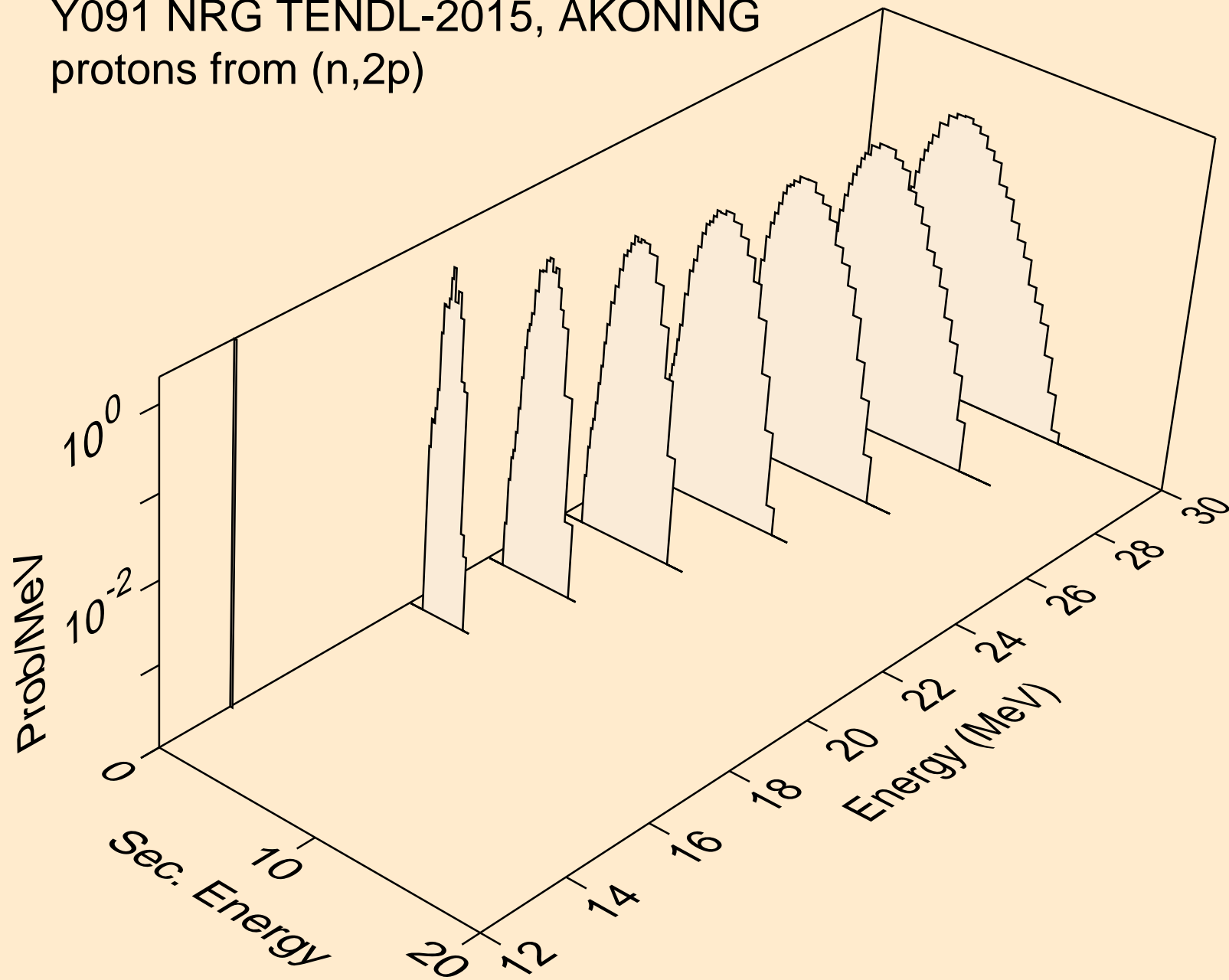
Y091 NRG TENDL-2015, AKONING  
protons from (n,npa)



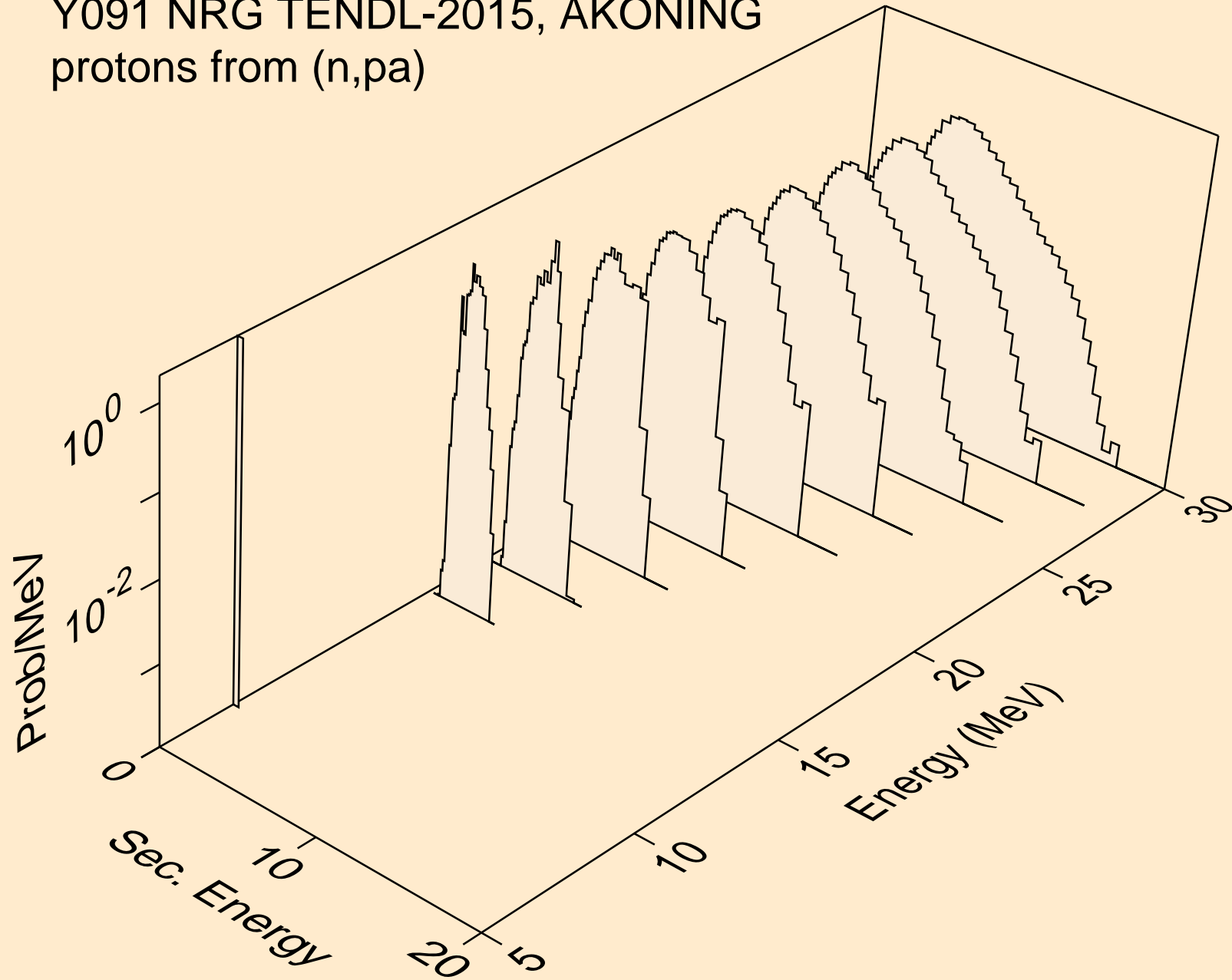
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protons from (n,p)



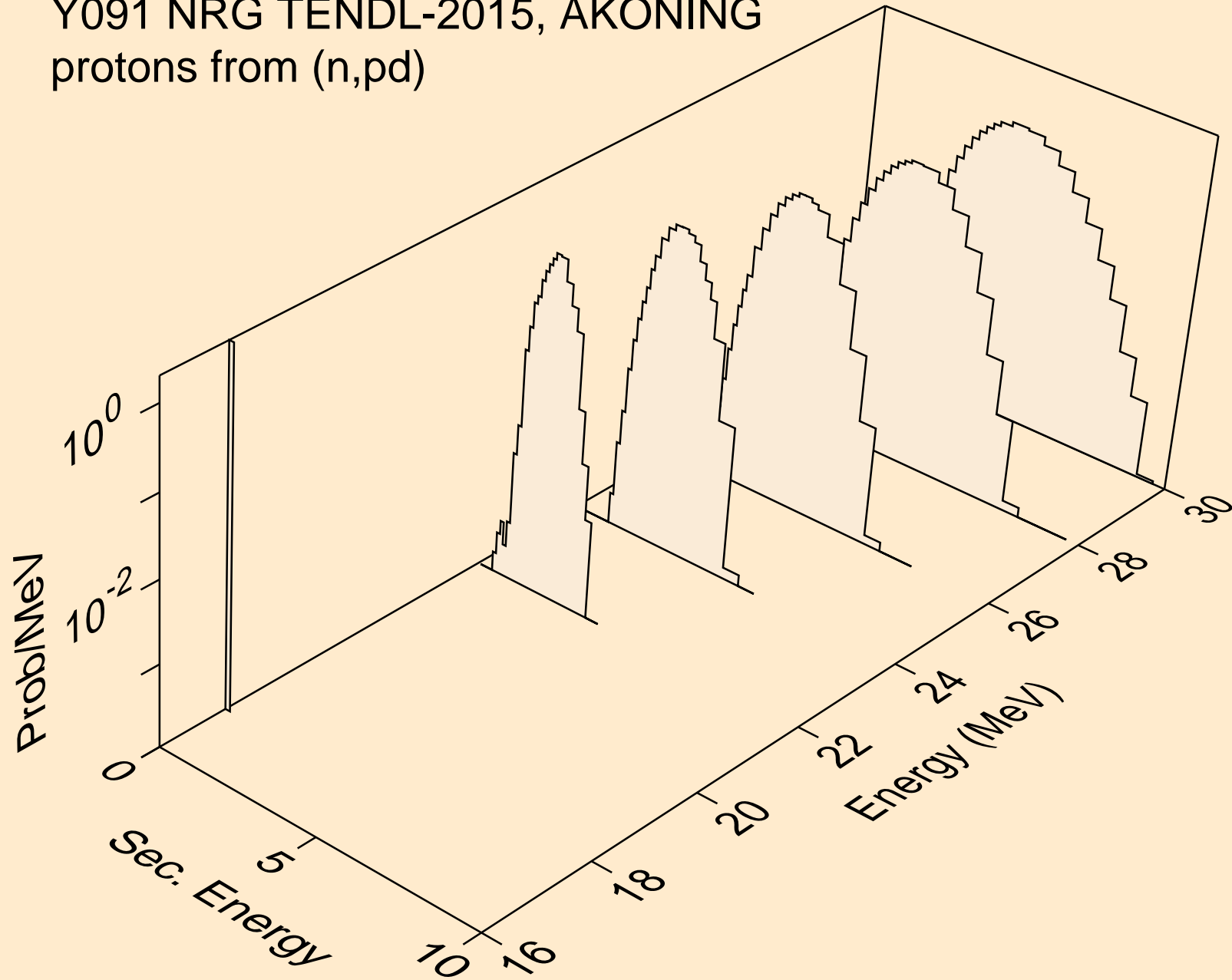
Y091 NRG TENDL-2015, AKONING  
protons from (n,2p)



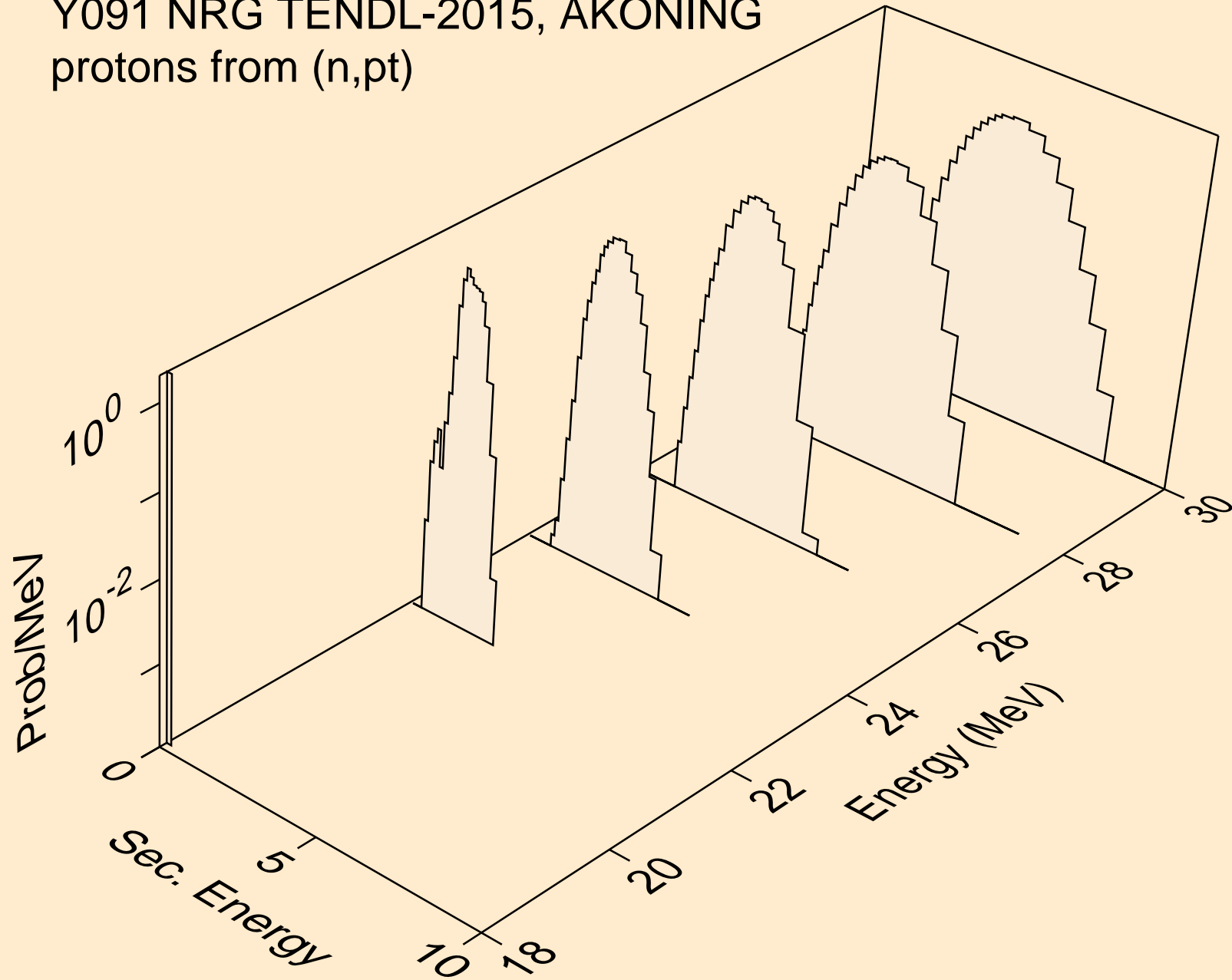
Y091 NRG TENDL-2015, AKONING  
protons from (n,pa)



Y091 NRG TENDL-2015, AKONING  
protons from (n,pd)

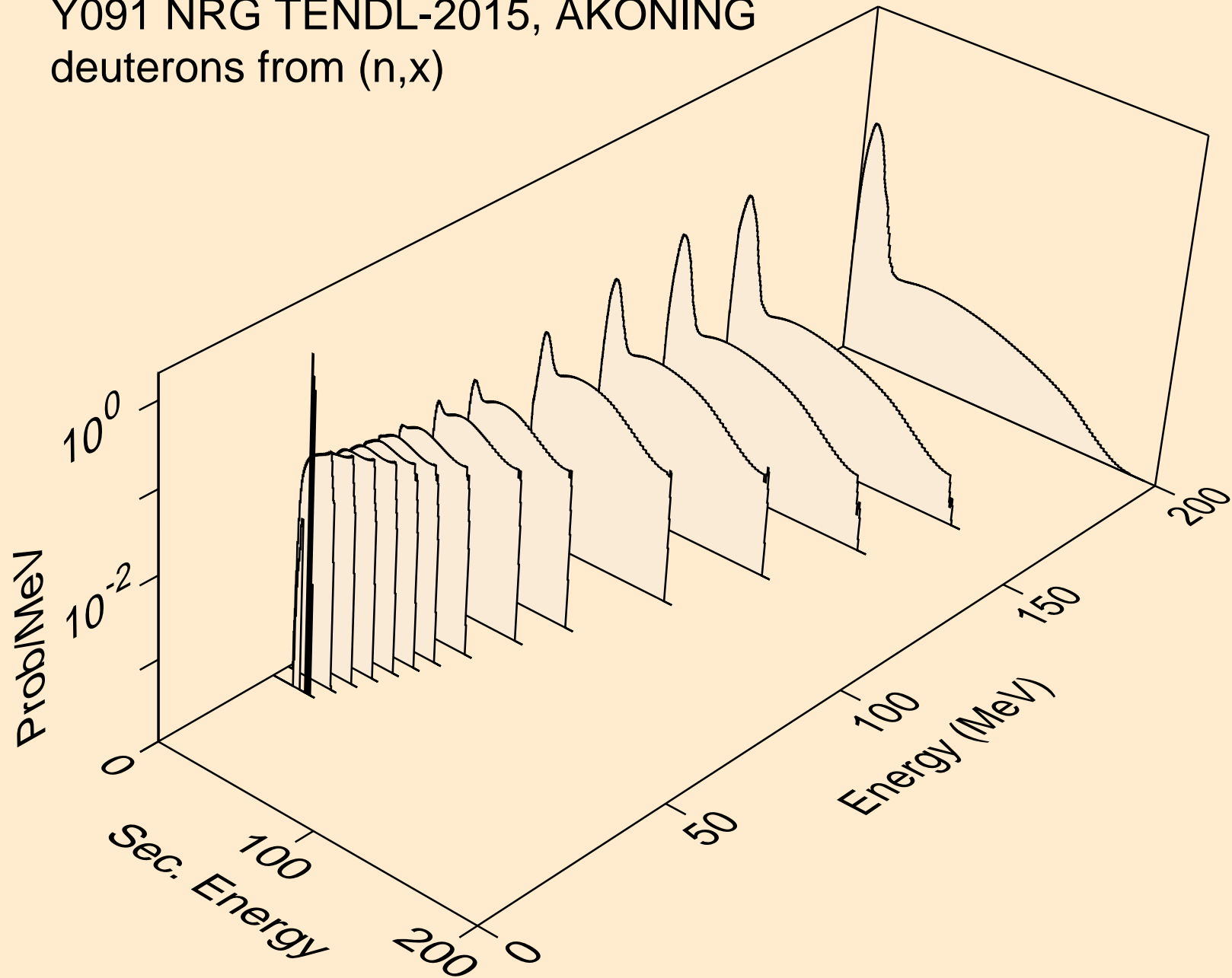


Y091 NRG TENDL-2015, AKONING  
protons from (n,pt)

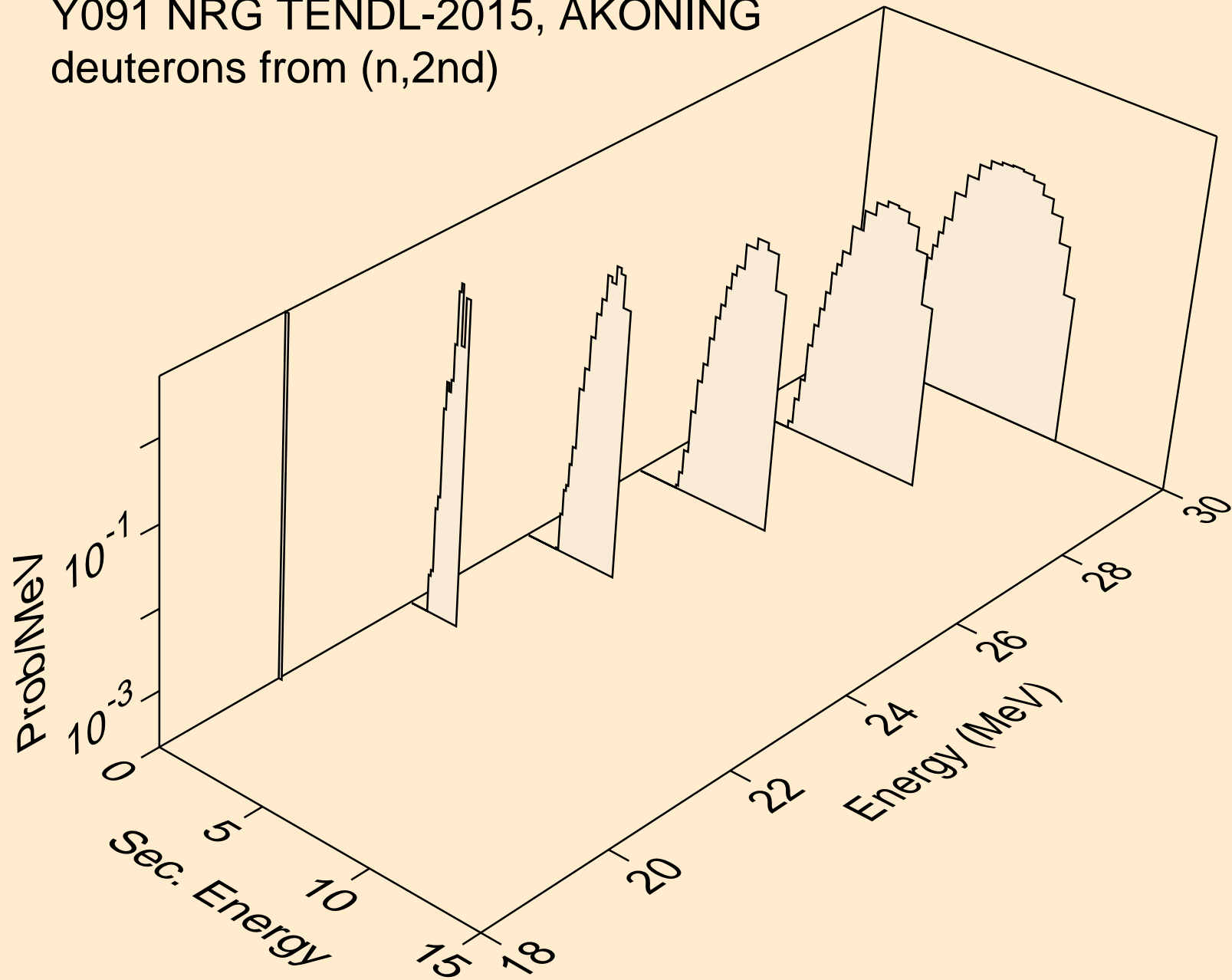




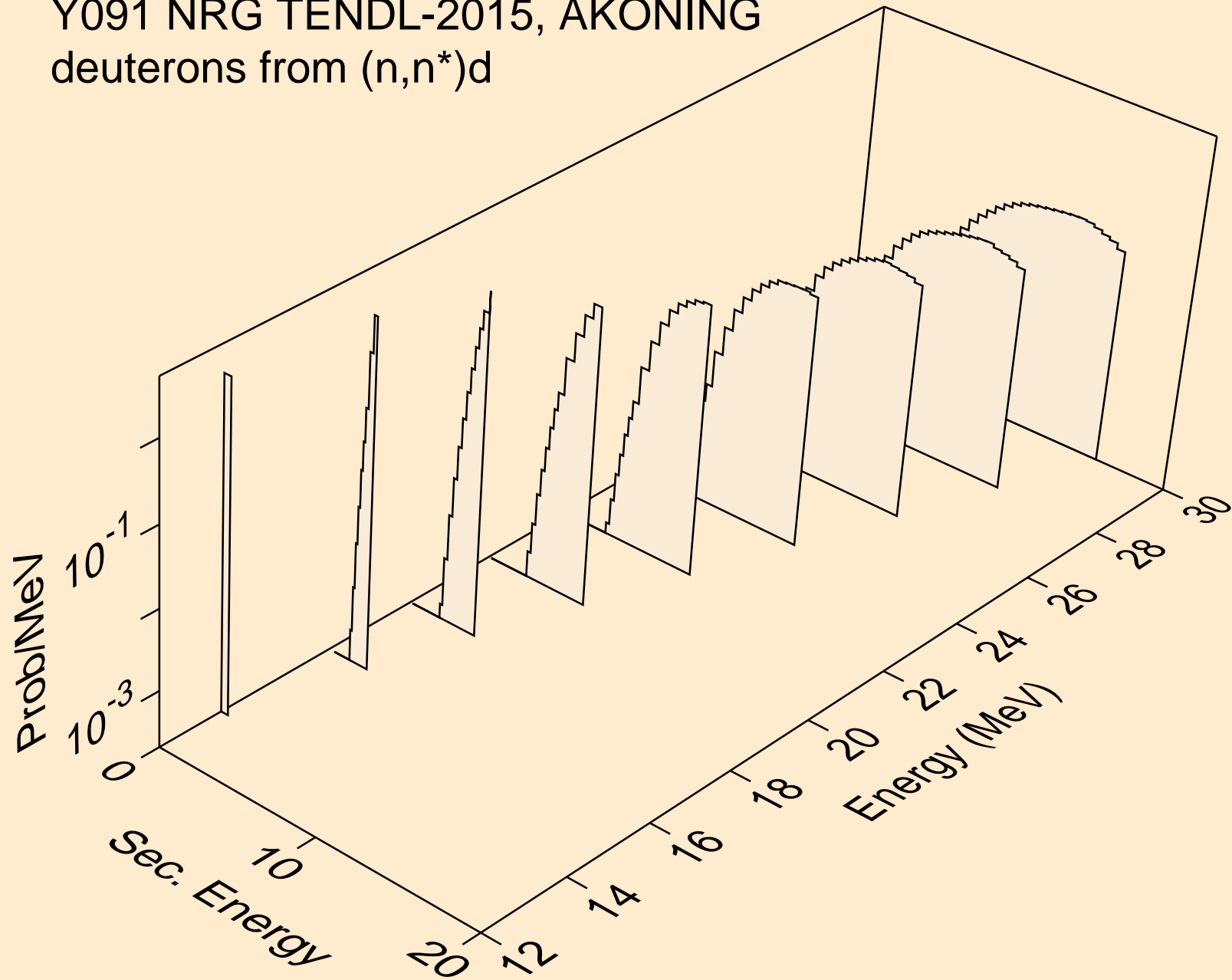
Y091 NRG TENDL-2015, AKONING  
deuterons from (n,x)



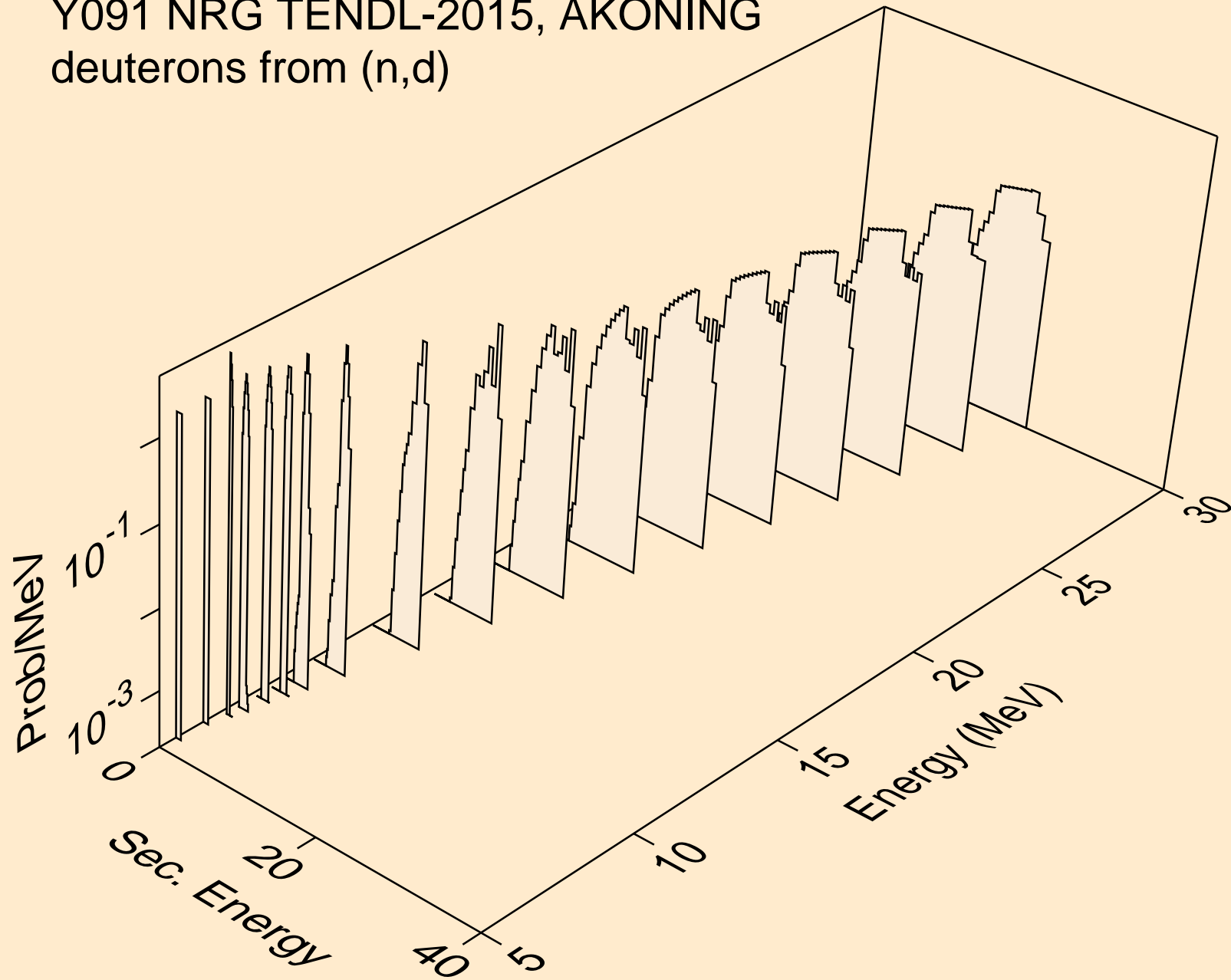
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deuterons from (n,2nd)



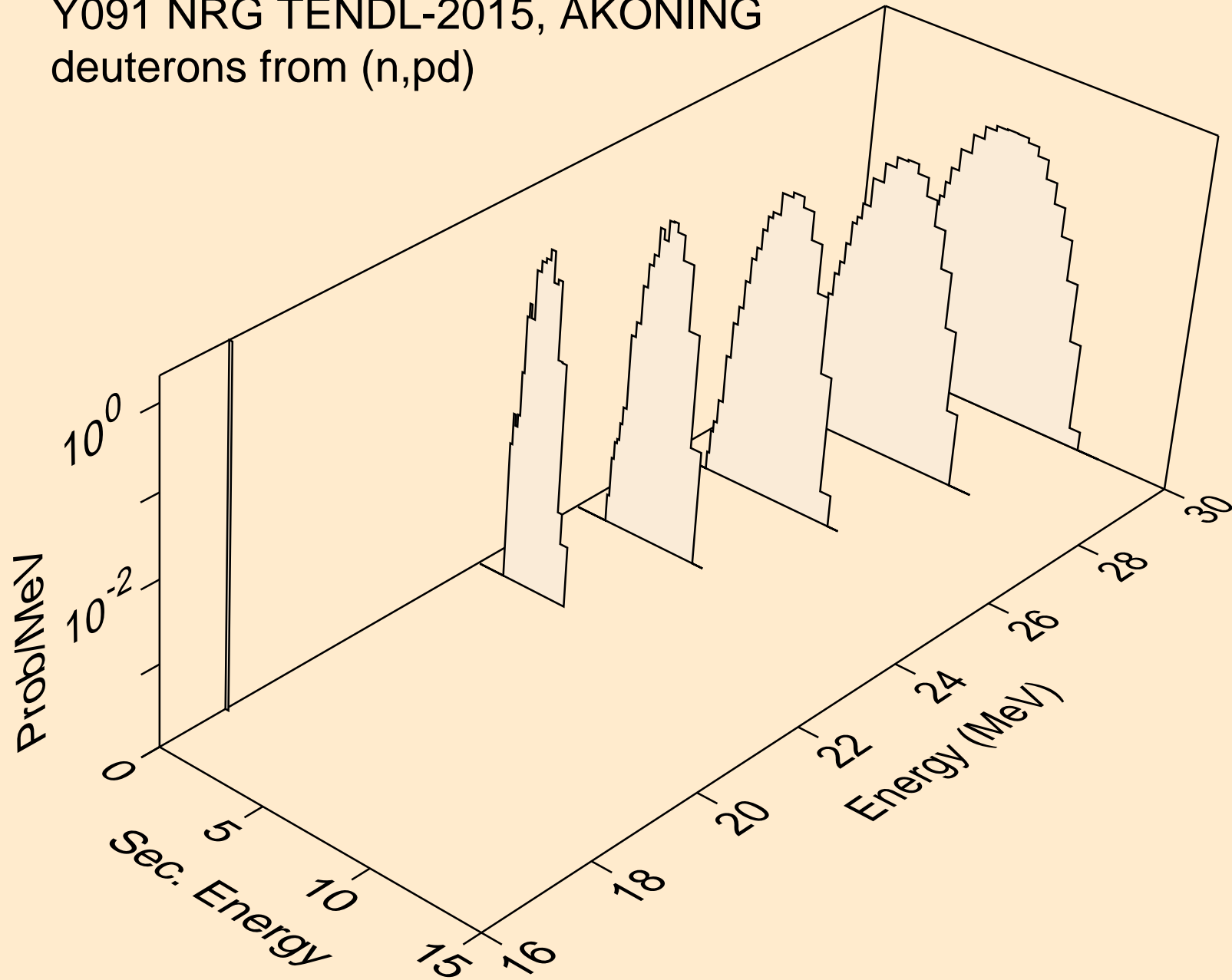
Y091 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



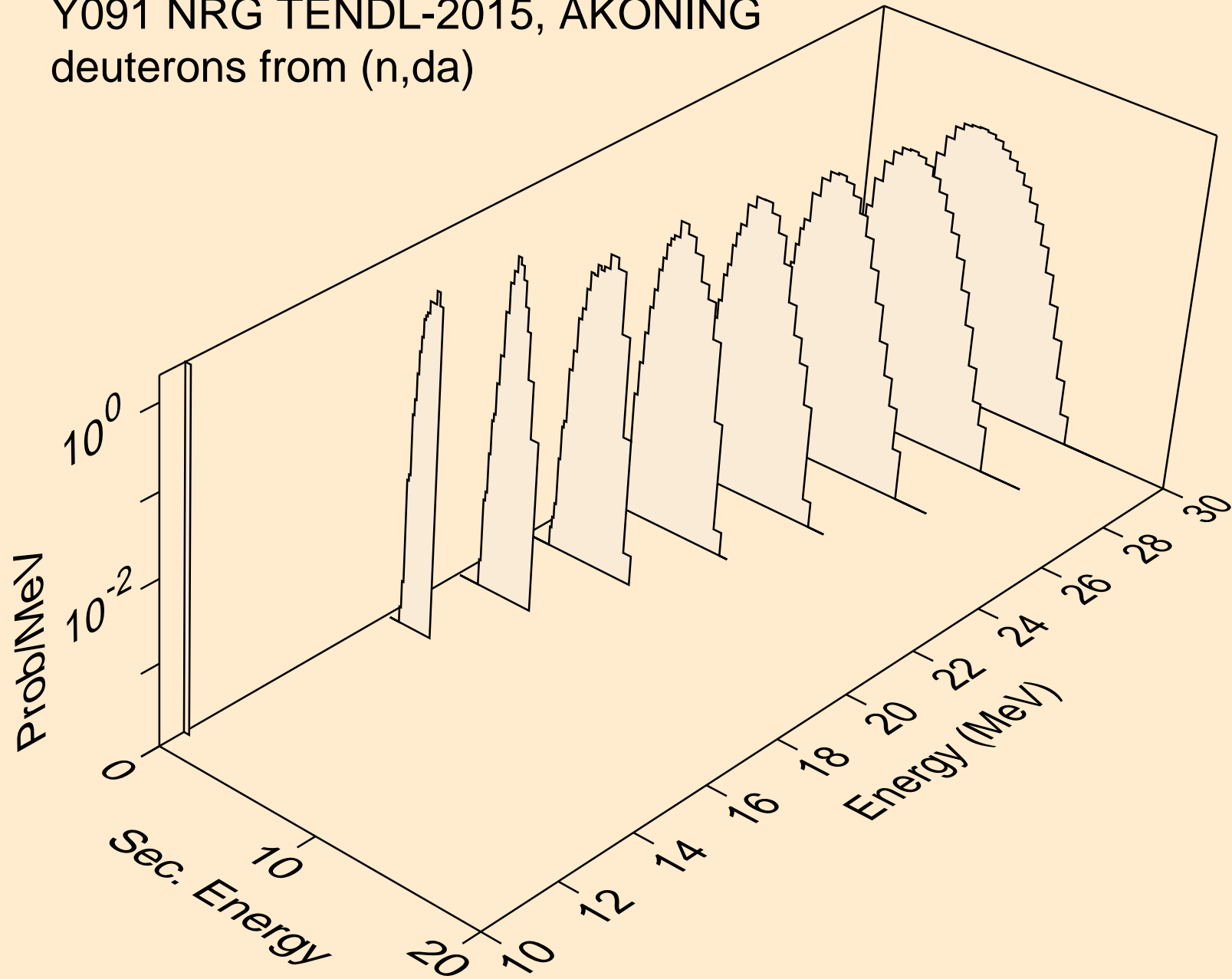
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deuterons from (n,d)



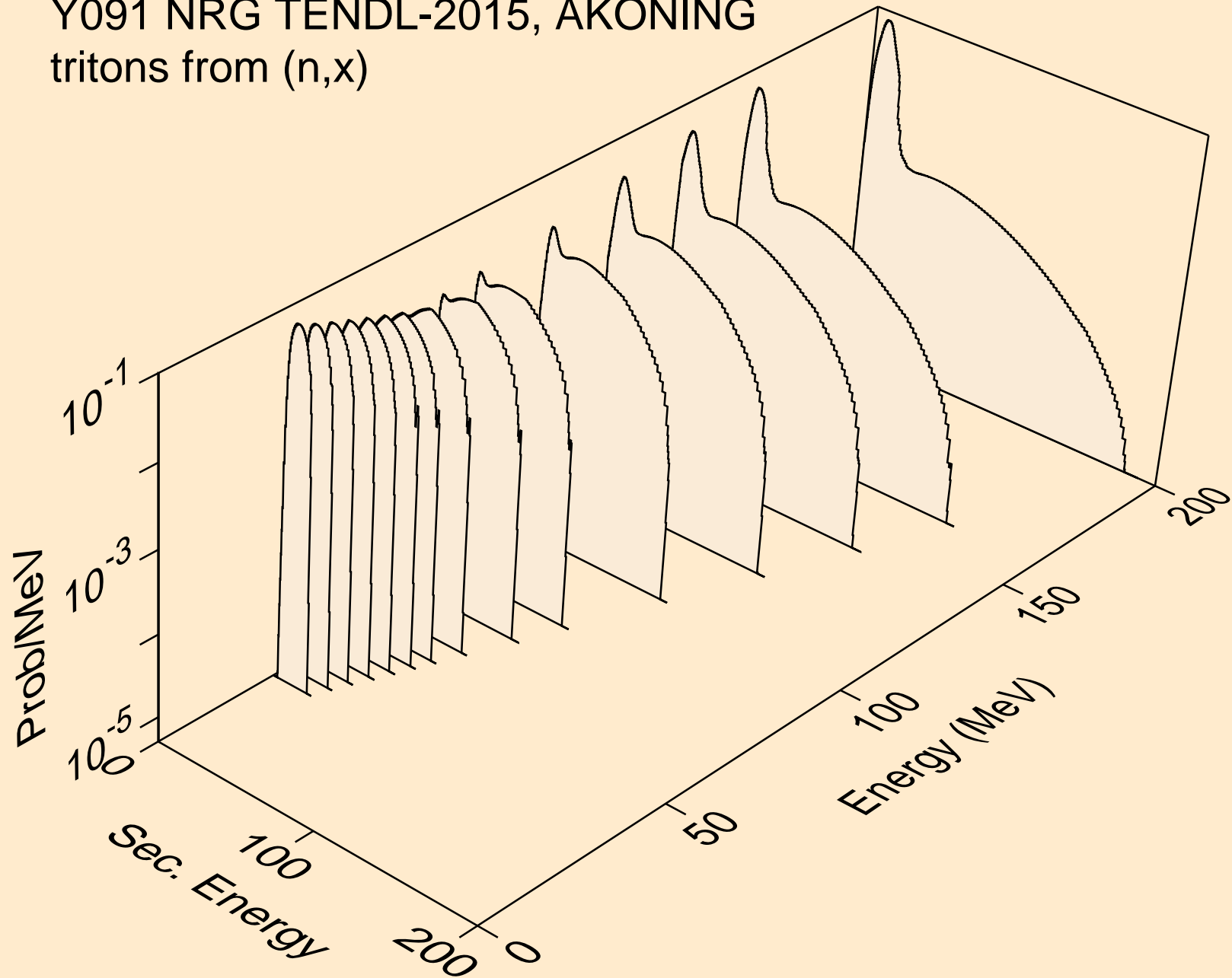
Y091 NRG TENDL-2015, AKONING  
deuterons from (n,pd)



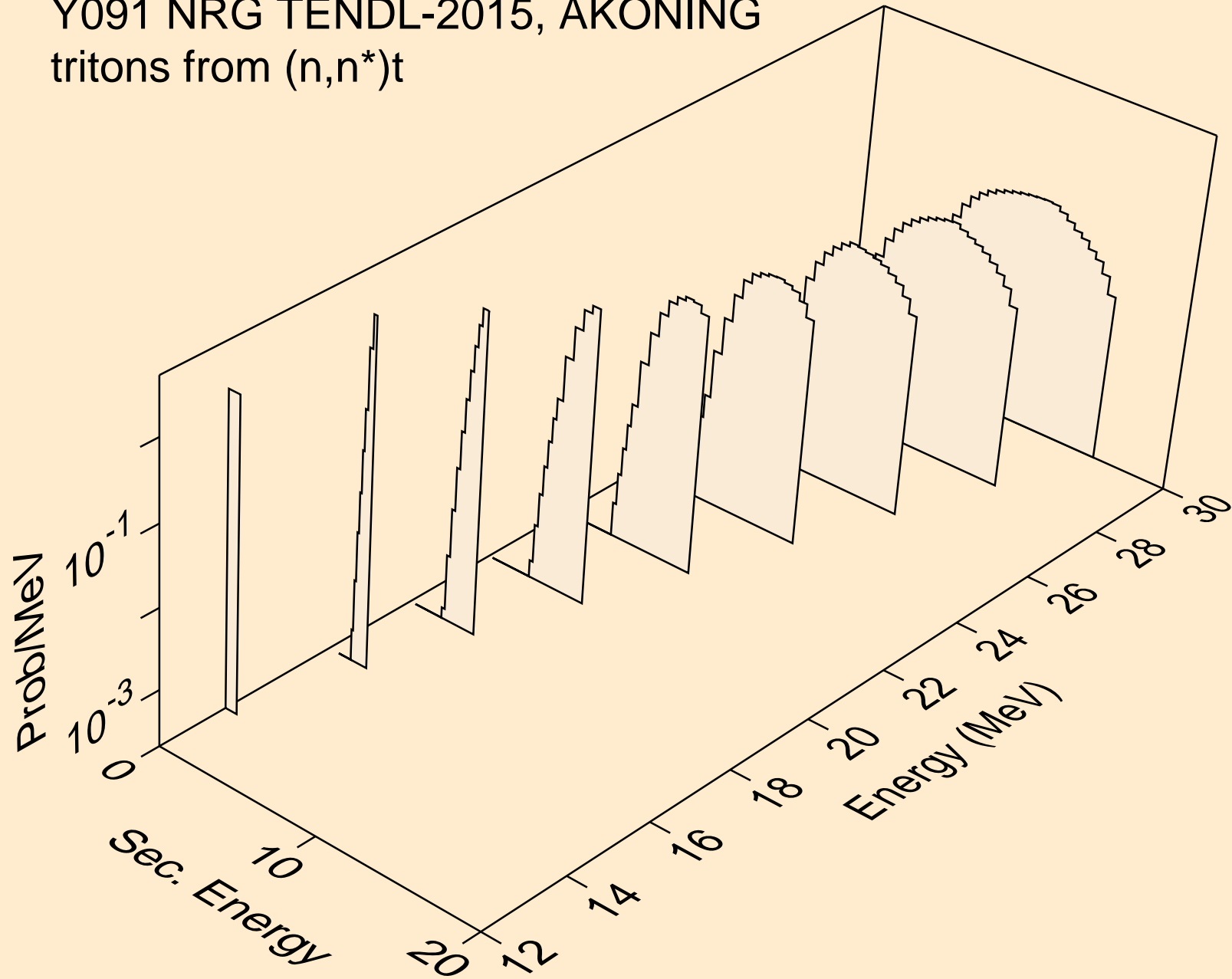
Y091 NRG TENDL-2015, AKONING  
deuterons from (n,da)



Y091 NRG TENDL-2015, AKONING  
tritons from (n,x)

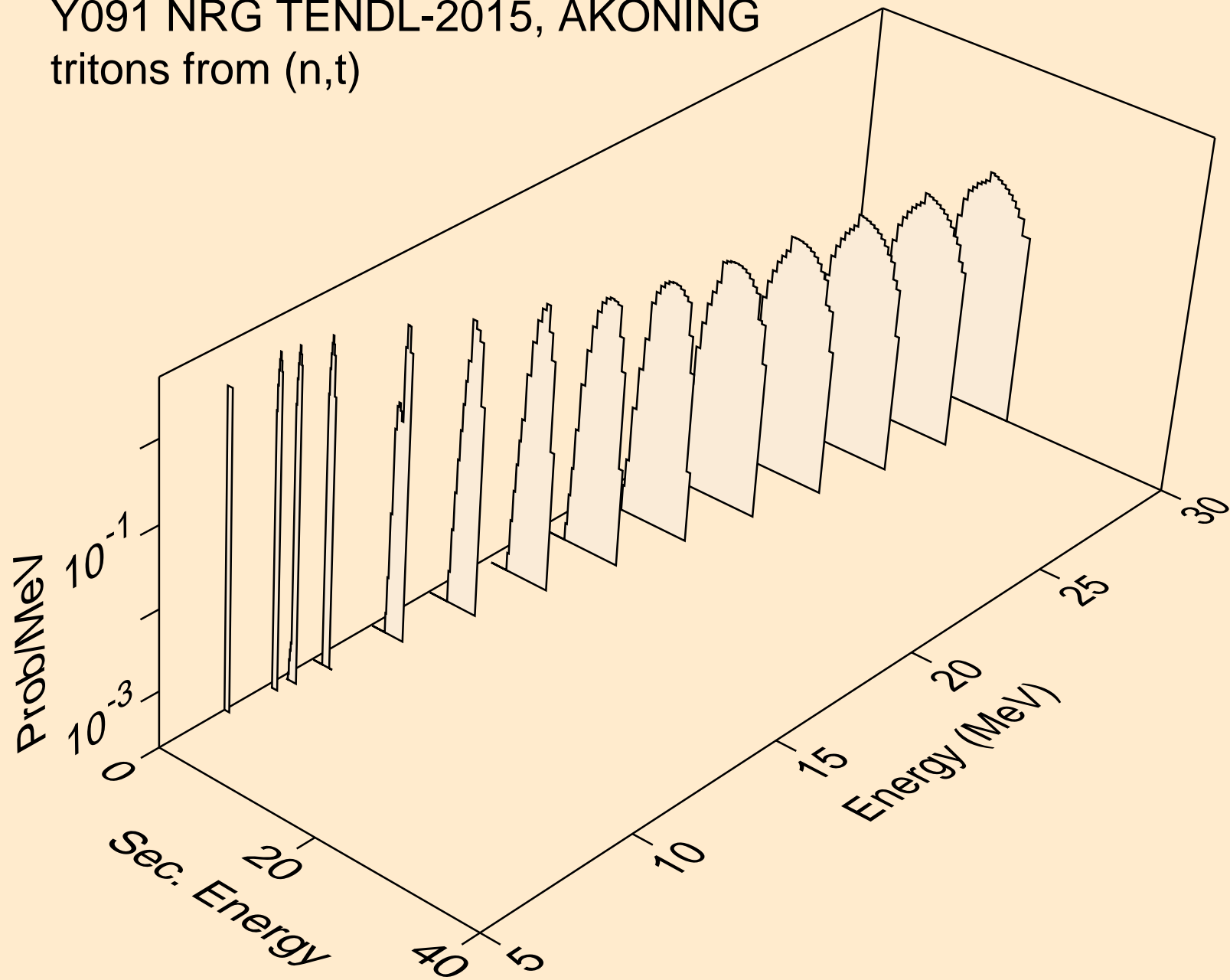


Y091 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t

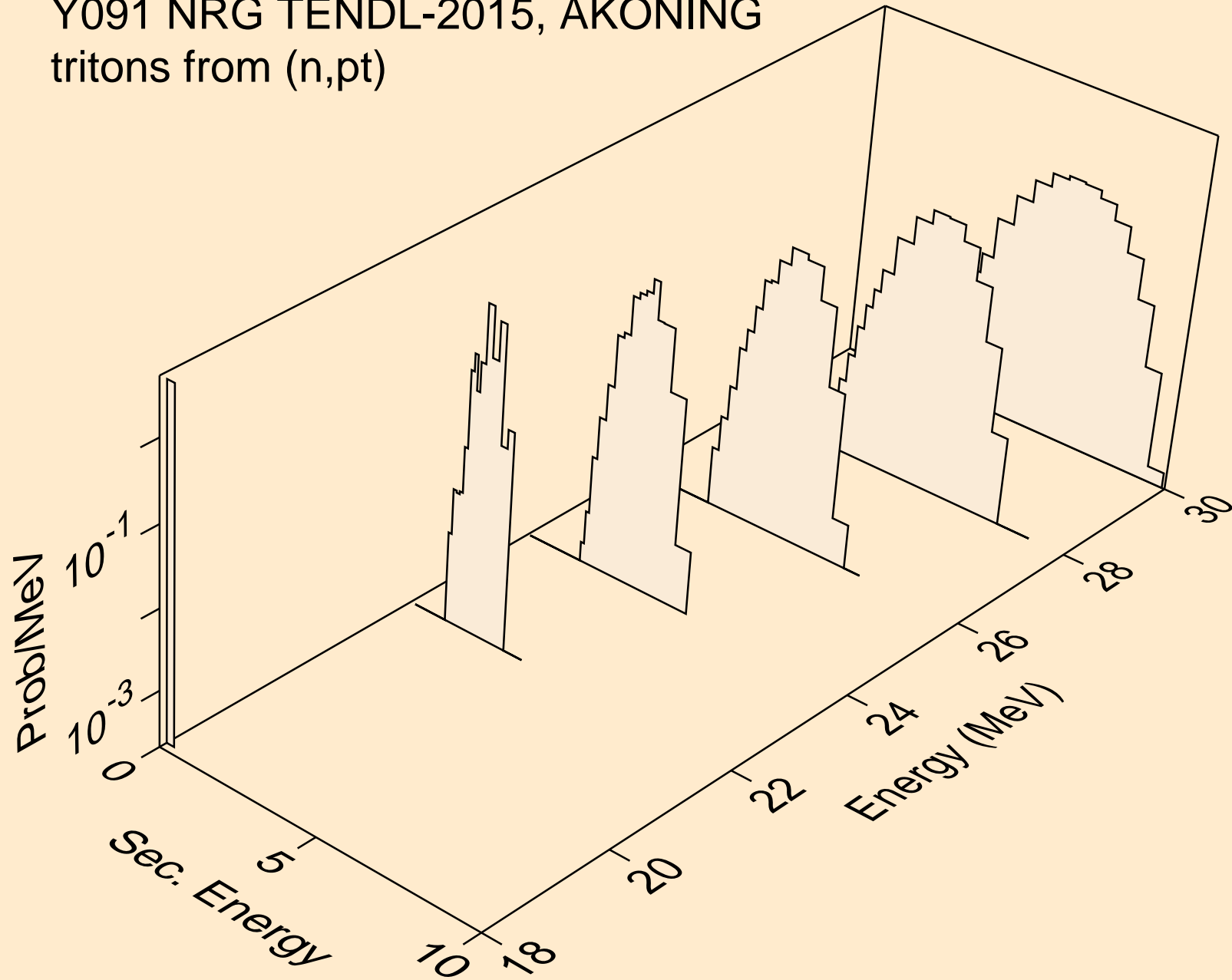




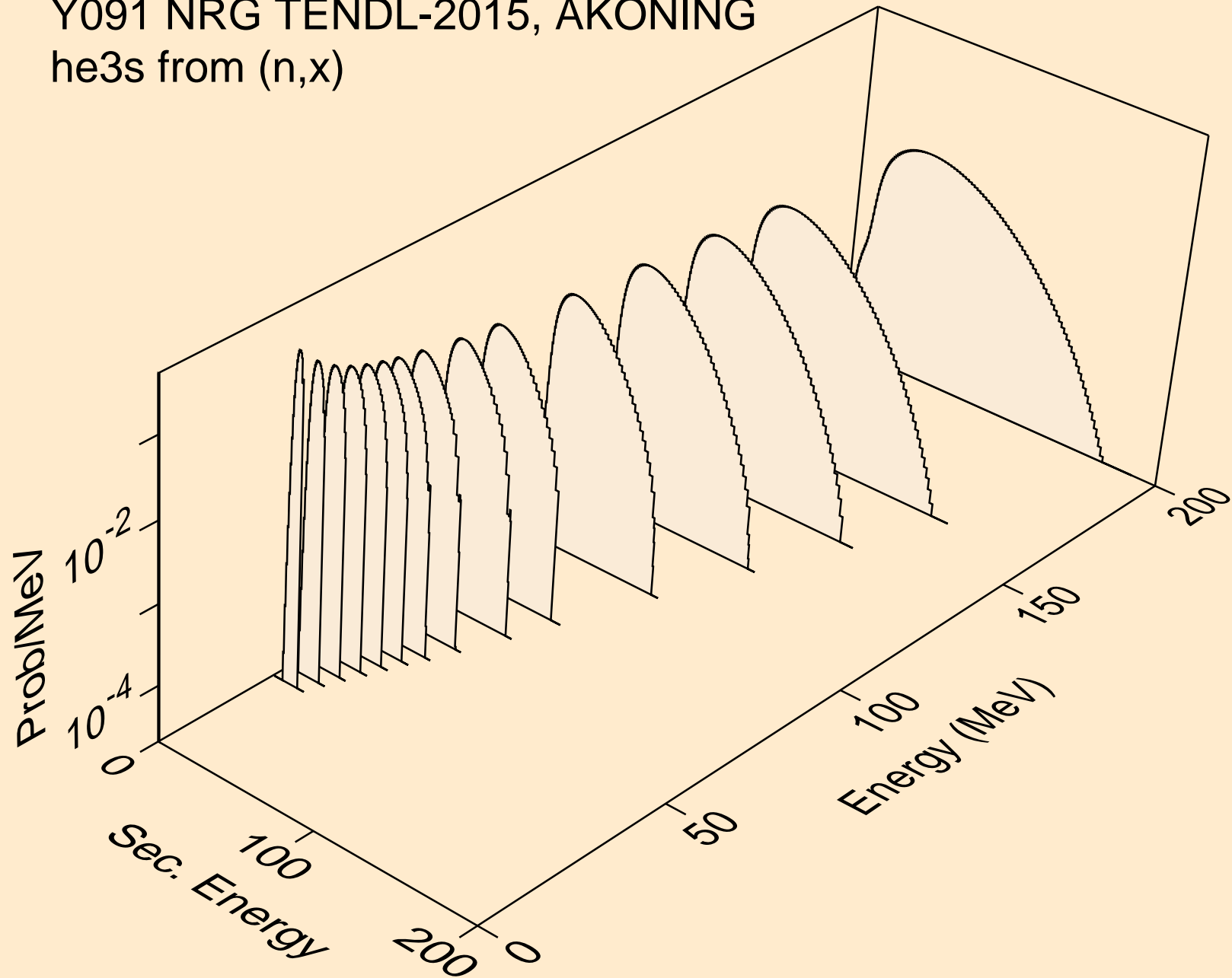
Y091 NRG TENDL-2015, AKONING  
tritons from (n,t)



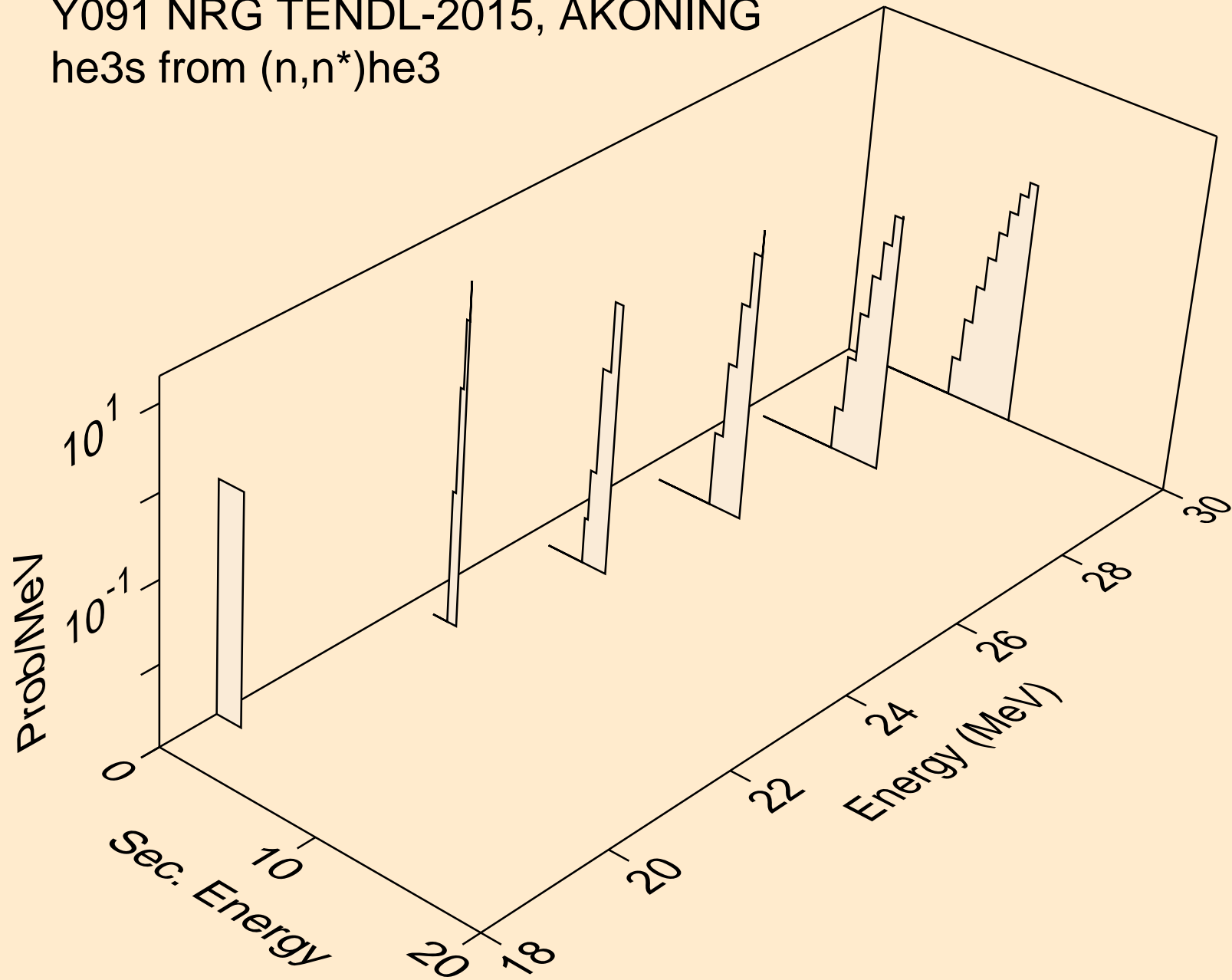
Y091 NRG TENDL-2015, AKONING  
tritons from (n,pt)



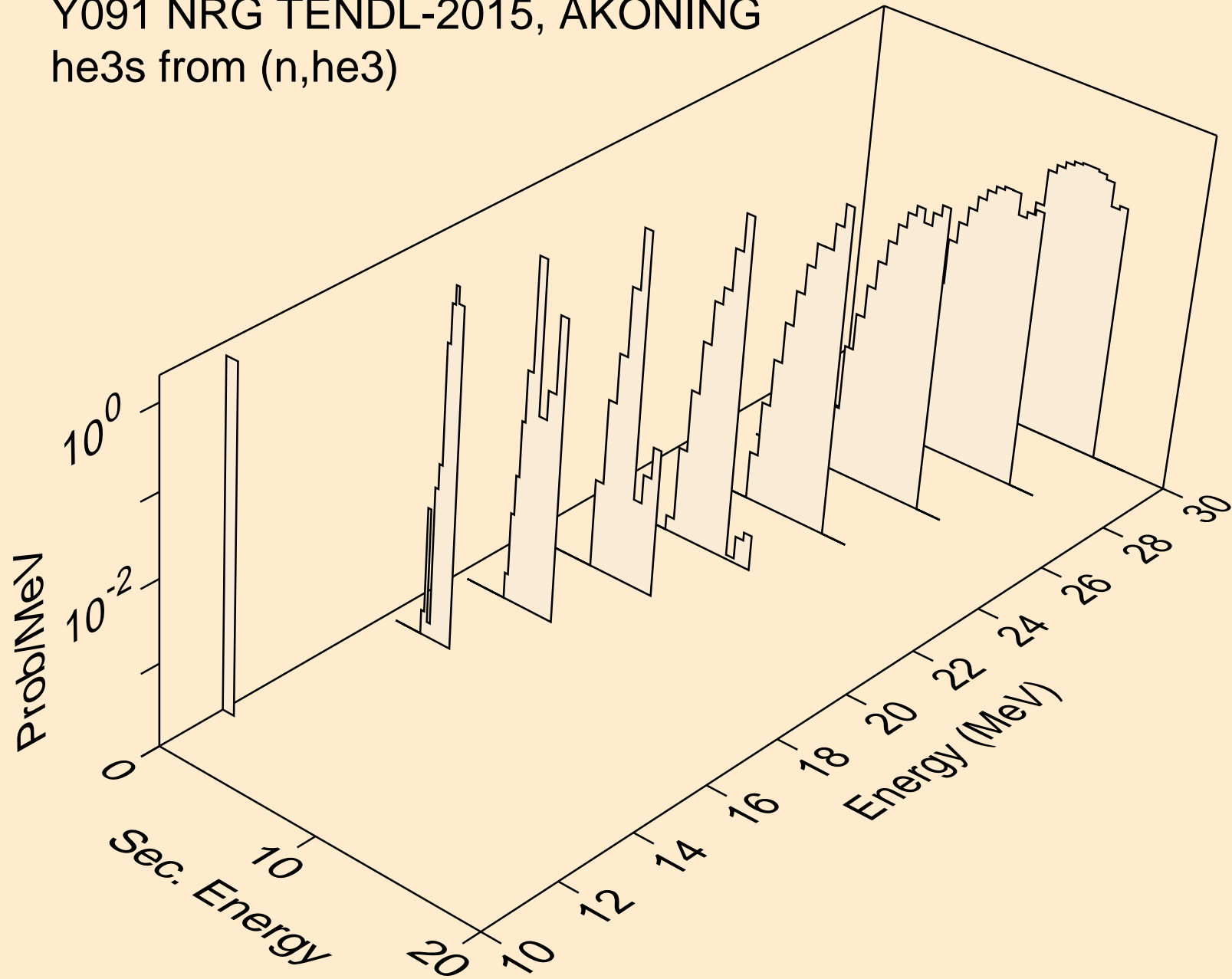
Y091 NRG TENDL-2015, AKONING  
he3s from (n,x)



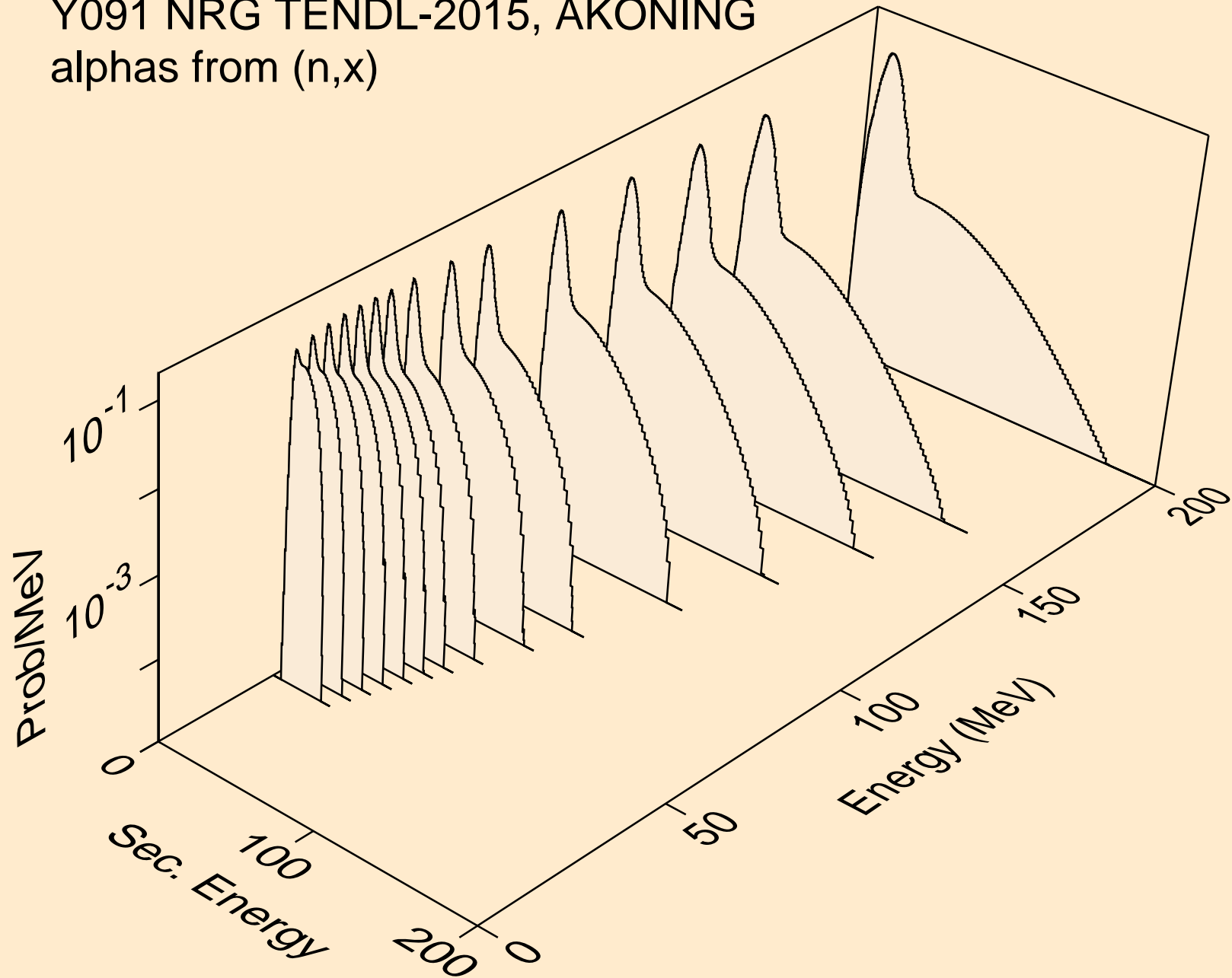
Y091 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



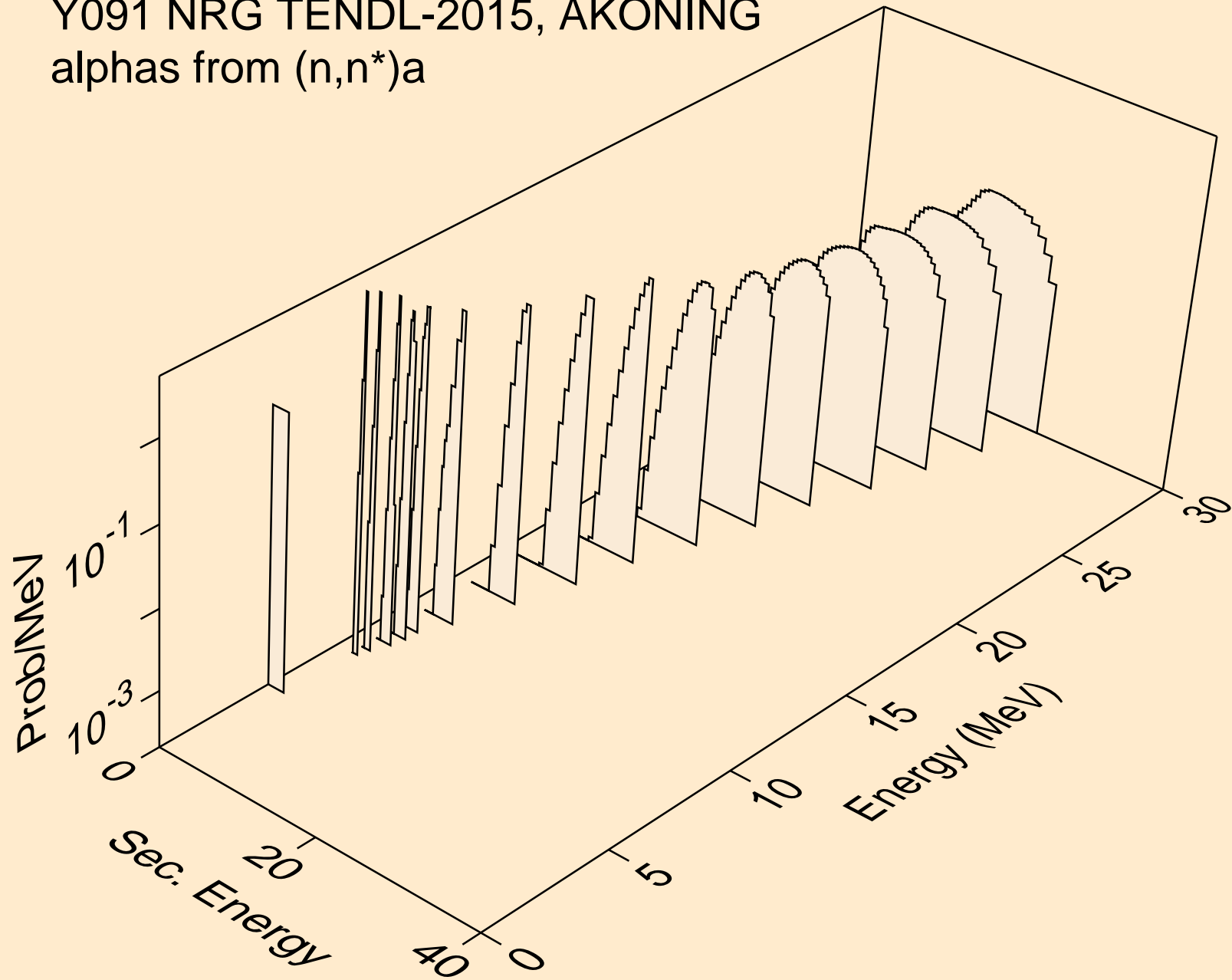
Y091 NRG TENDL-2015, AKONING  
he3s from (n,he3)



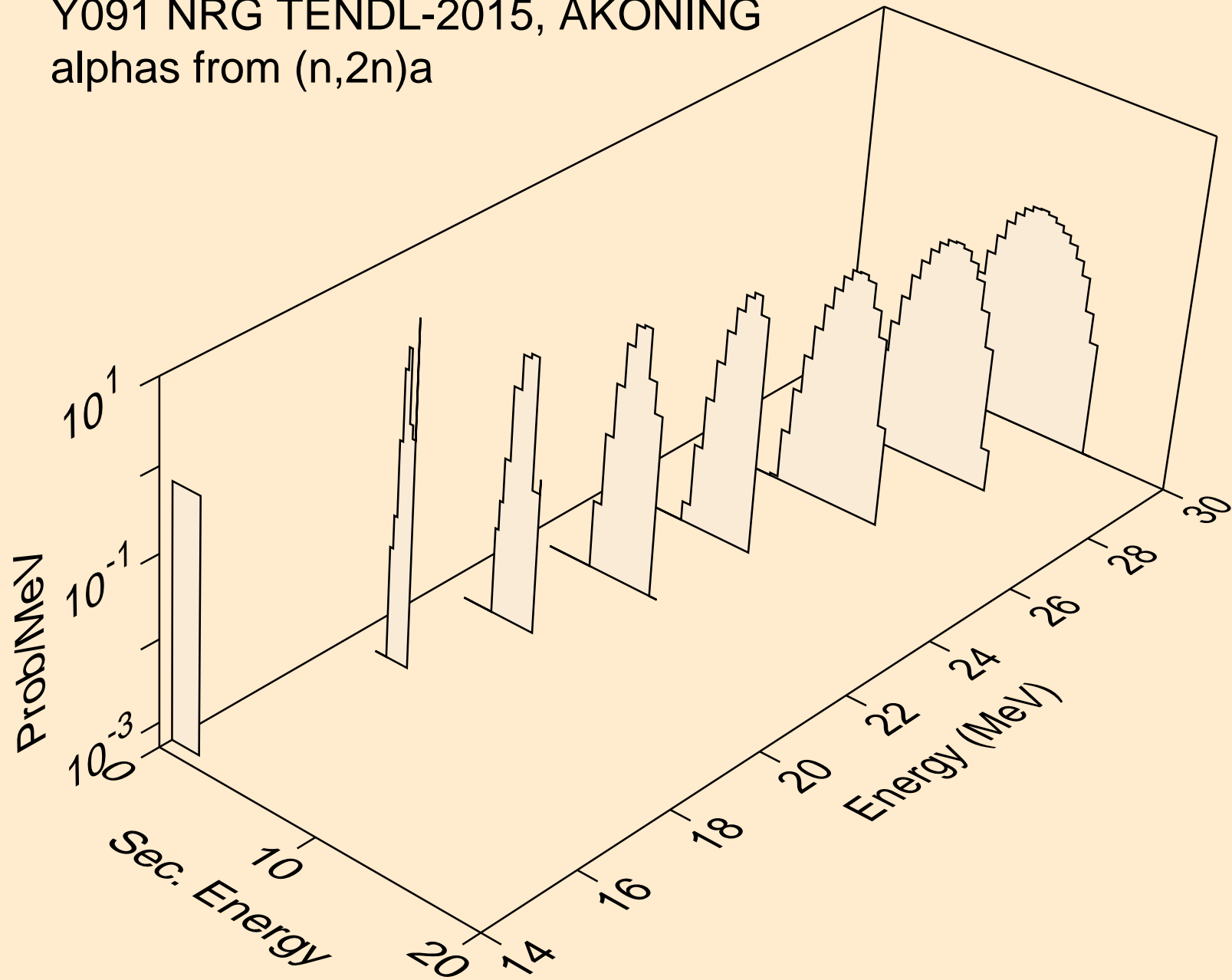
Y091 NRG TENDL-2015, AKONING  
alphas from (n,x)



Y091 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a

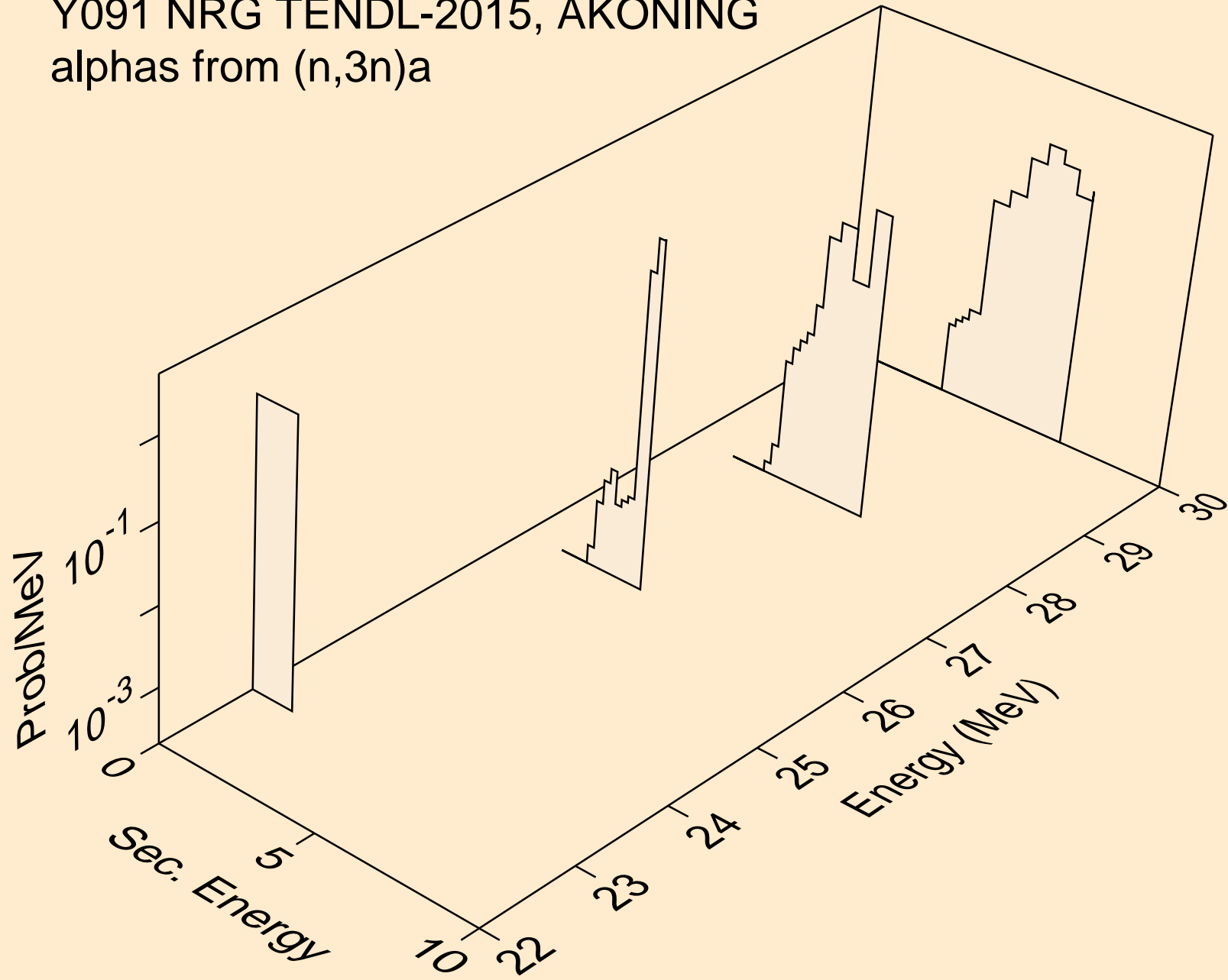


Y091 NRG TENDL-2015, AKONING  
alphas from (n,2n)a

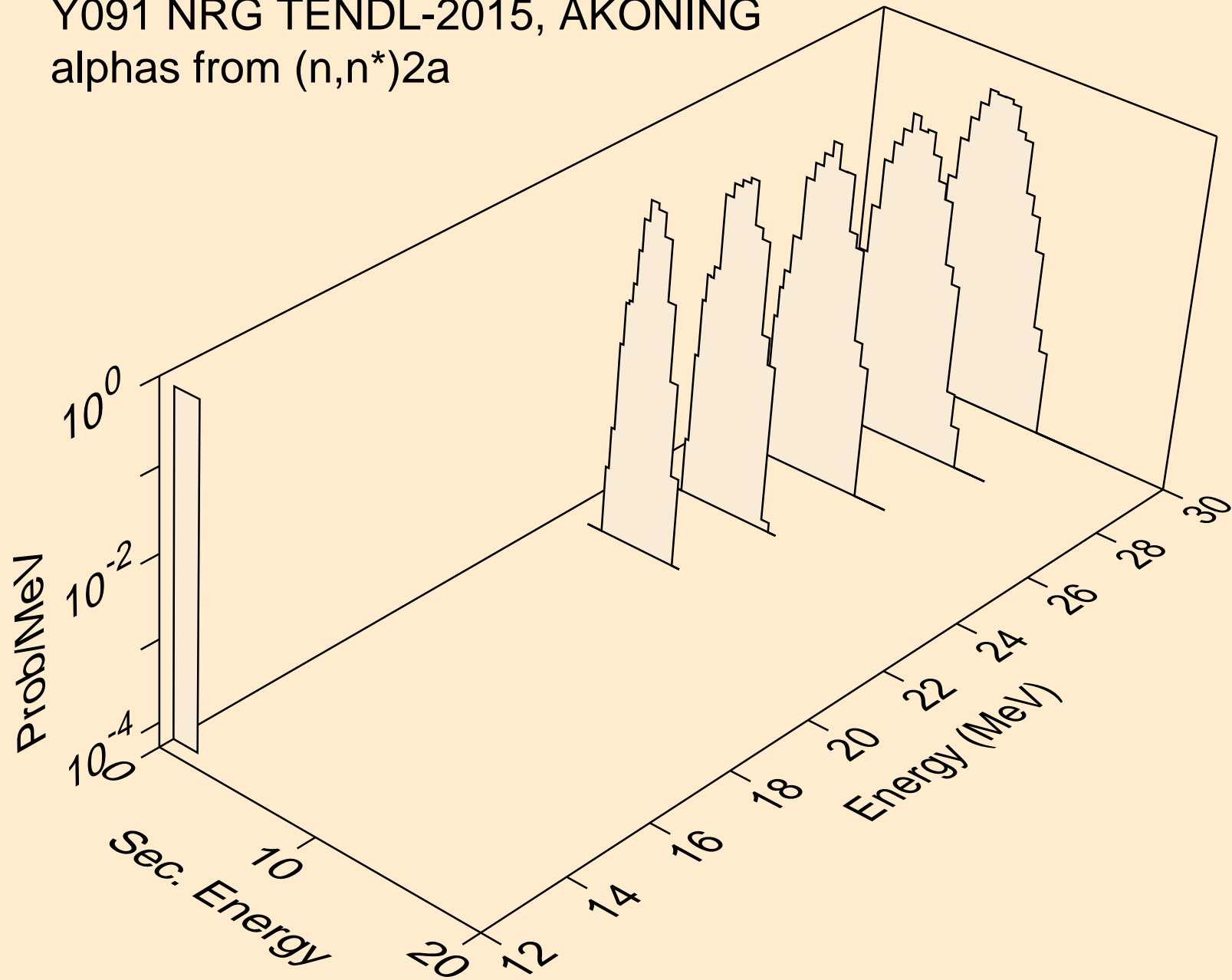




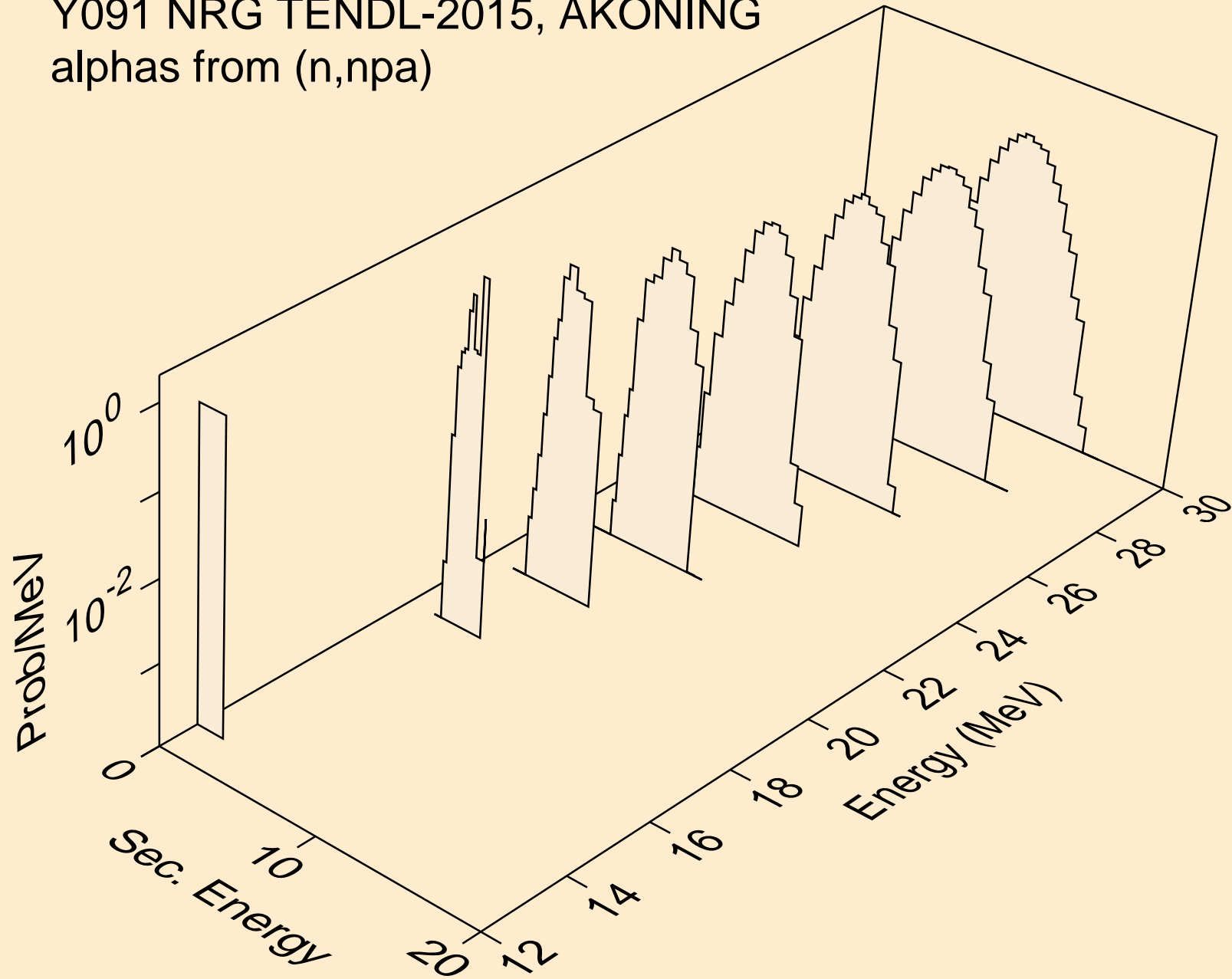
Y091 NRG TENDL-2015, AKONING  
alphas from (n,3n)a



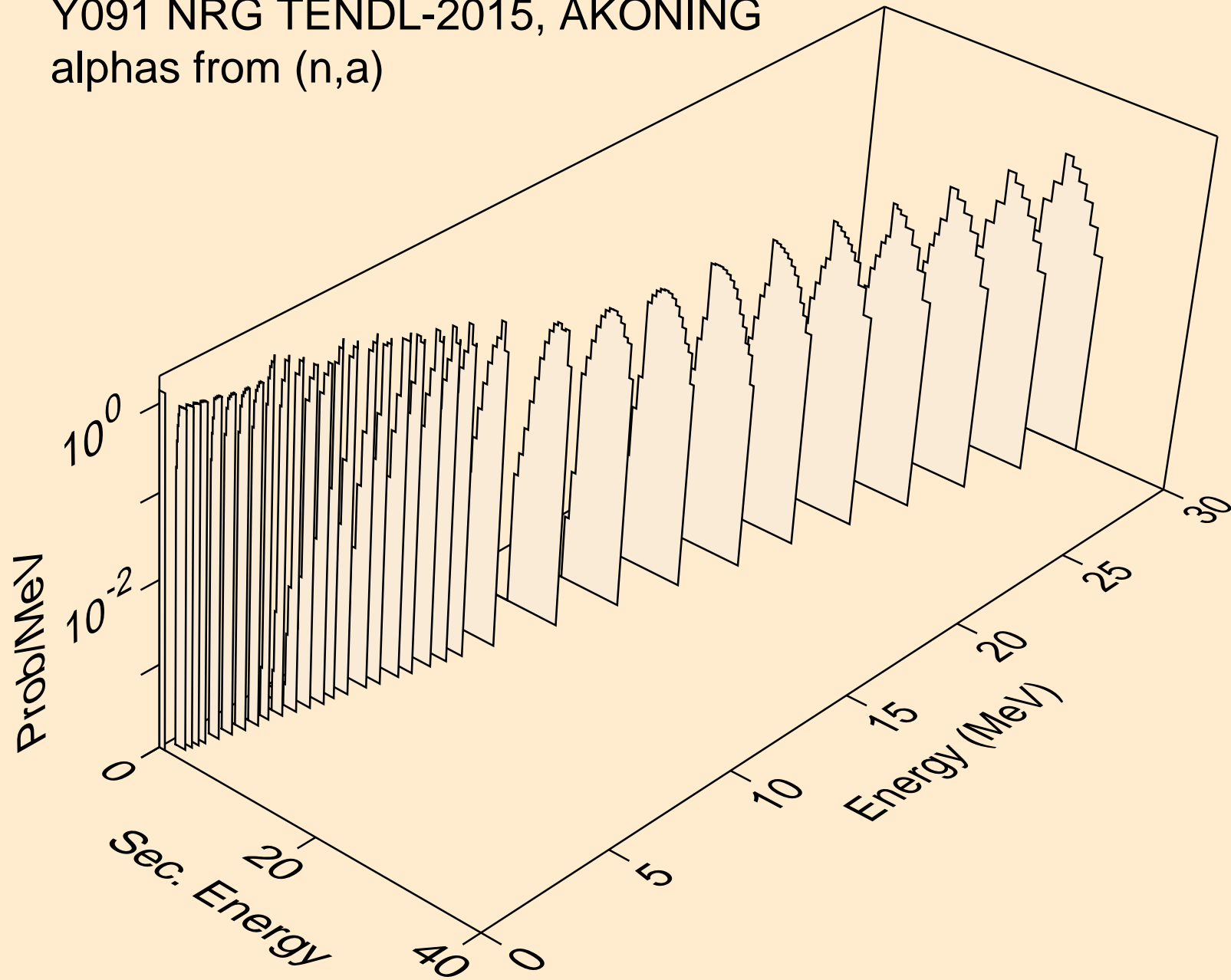
Y091 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



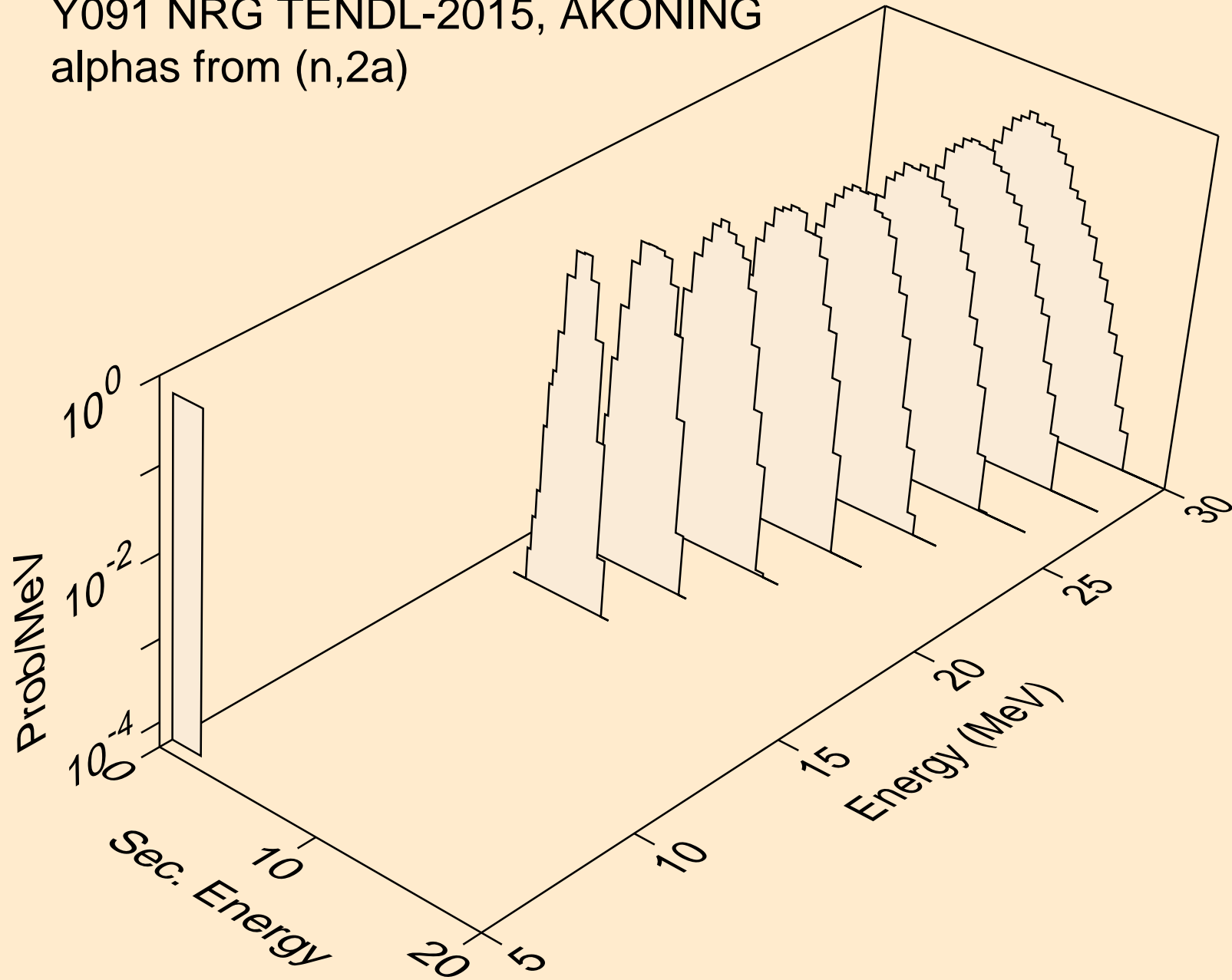
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alphas from (n,npa)



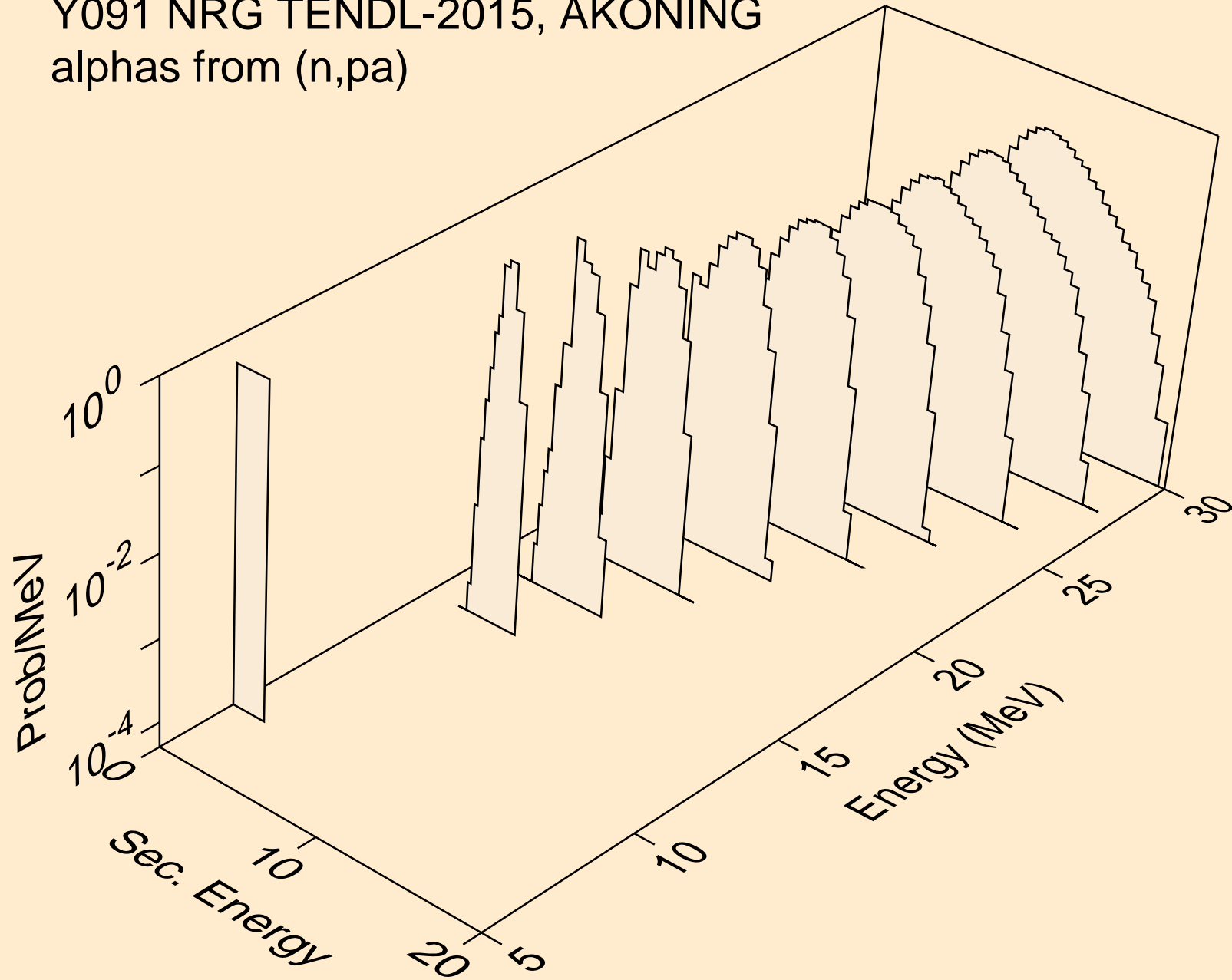
Y091 NRG TENDL-2015, AKONING  
alphas from (n,a)



Y091 NRG TENDL-2015, AKONING  
alphas from (n,2a)



Y091 NRG TENDL-2015, AKONING  
alphas from (n,pa)



Y091 NRG TENDL-2015, AKONING  
alphas from (n,da)

