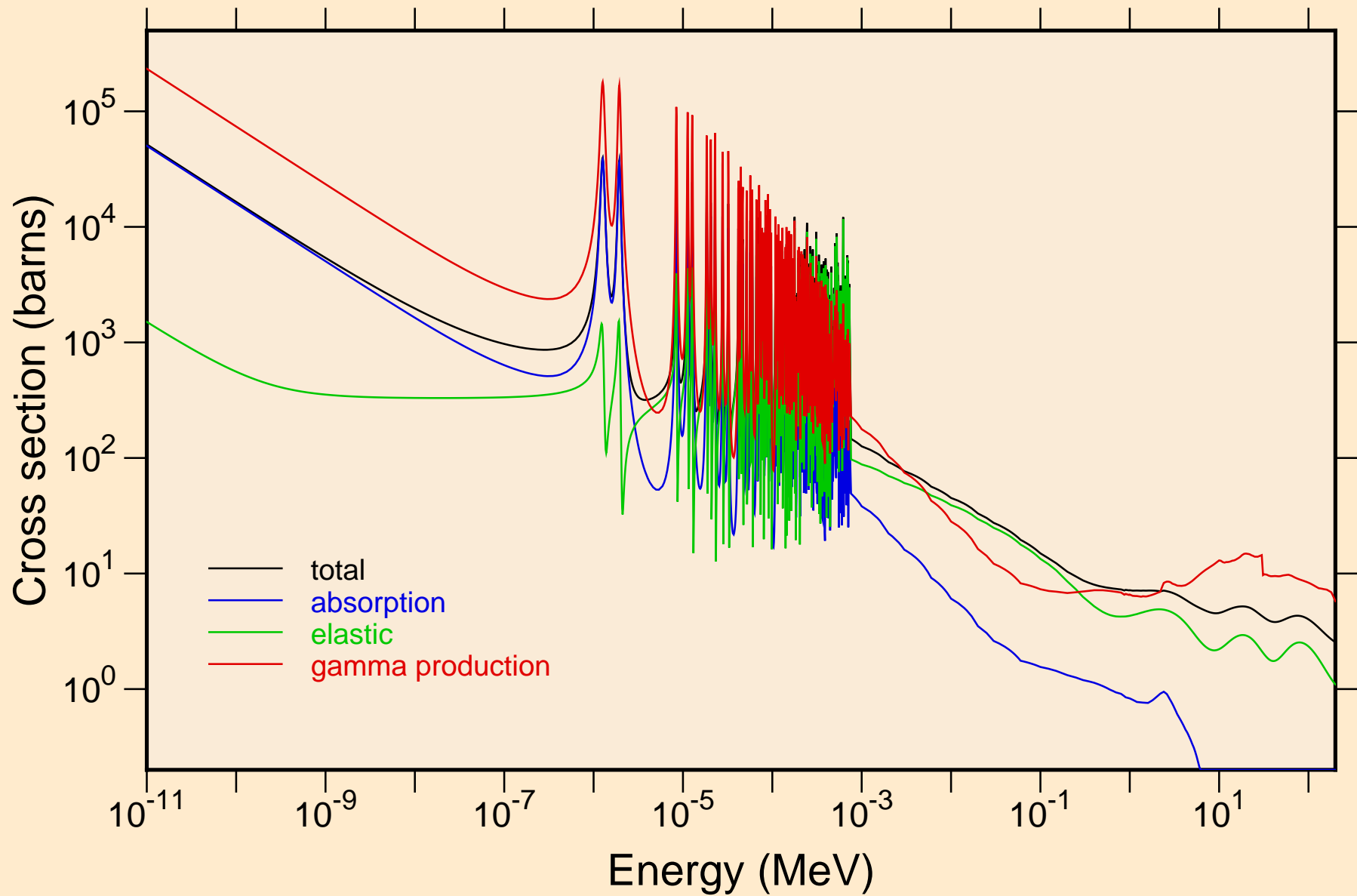
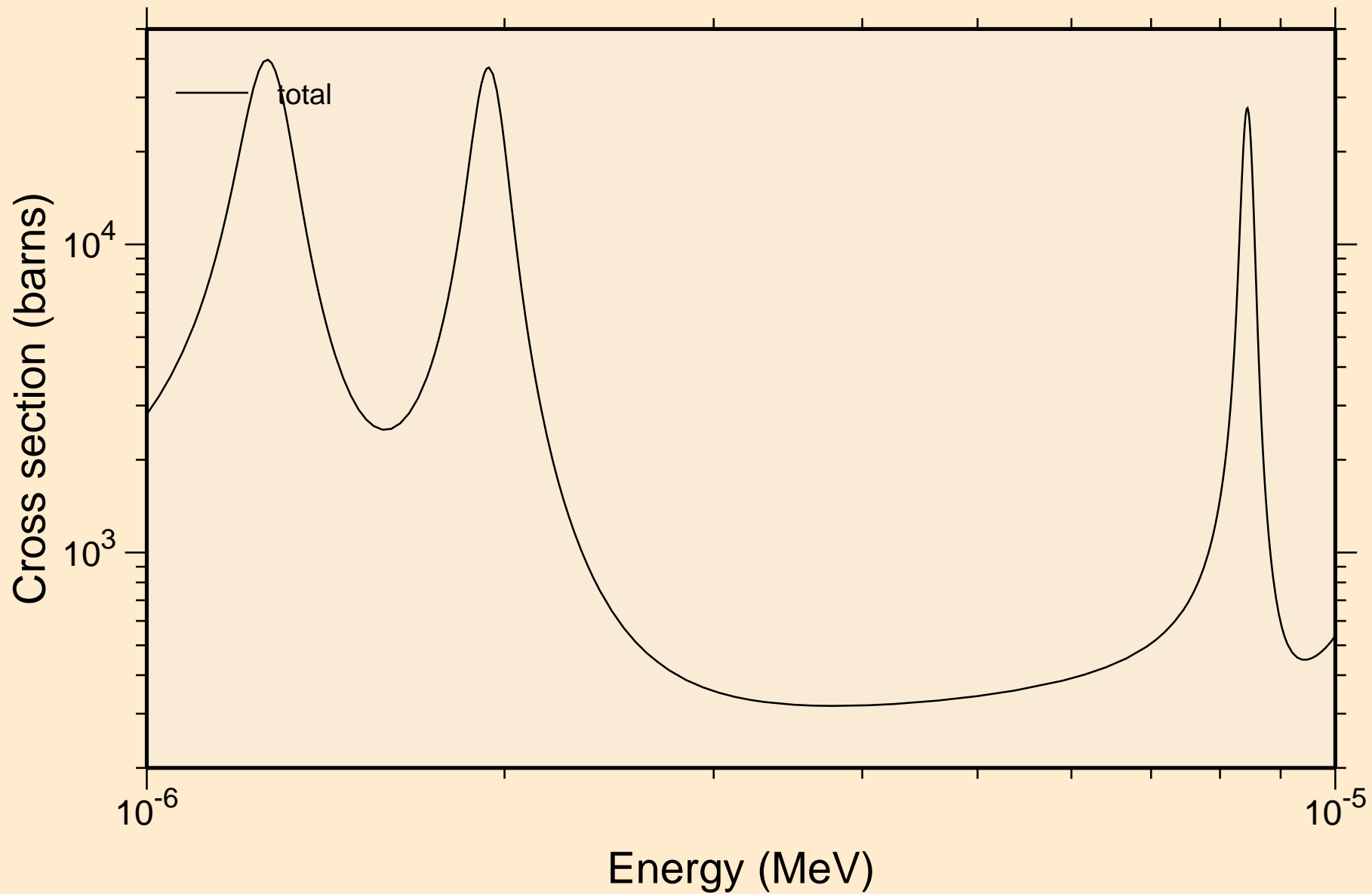


# YB164 NRG TENDL-2015, AKONING

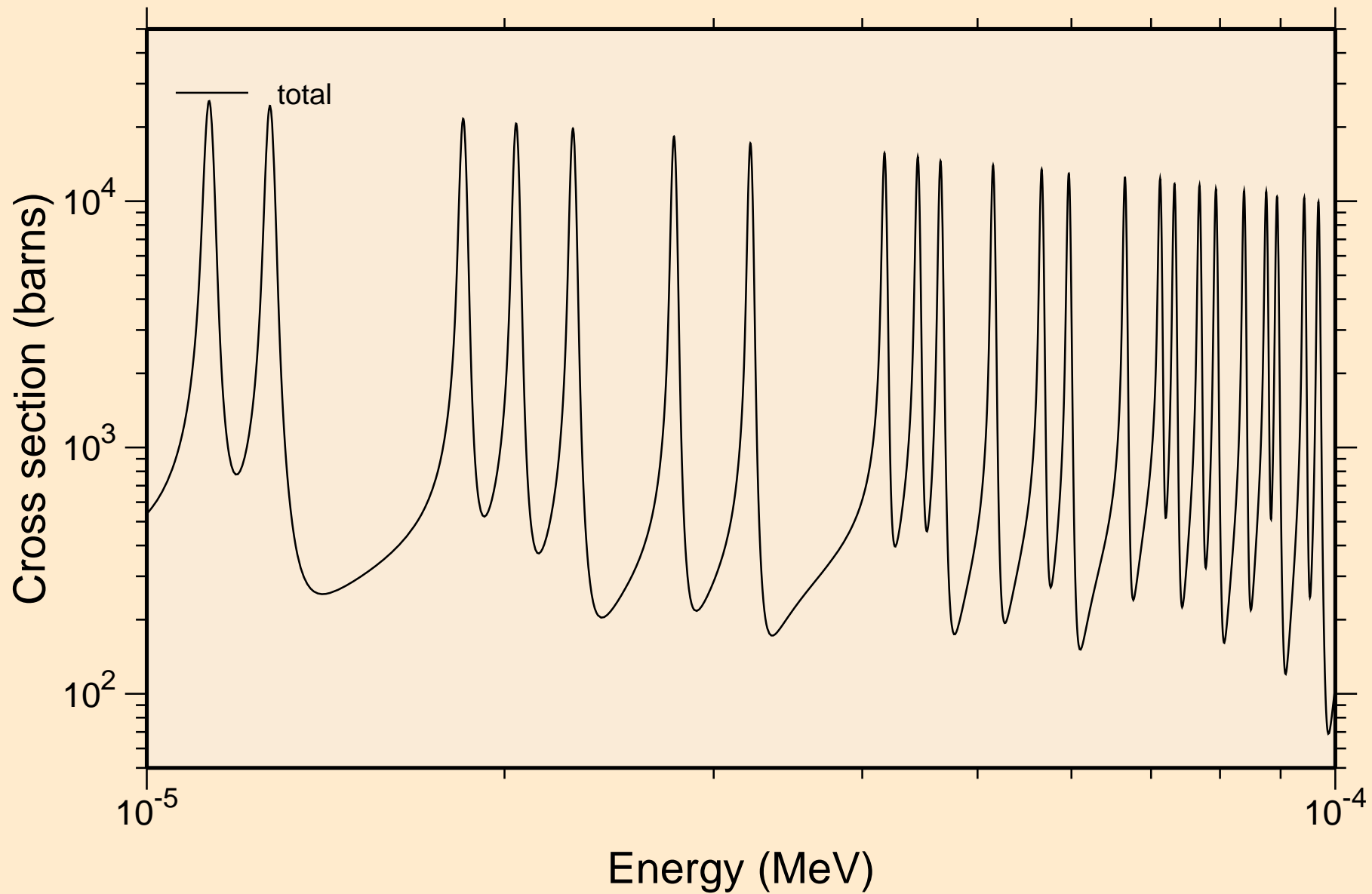
## Principal cross sections



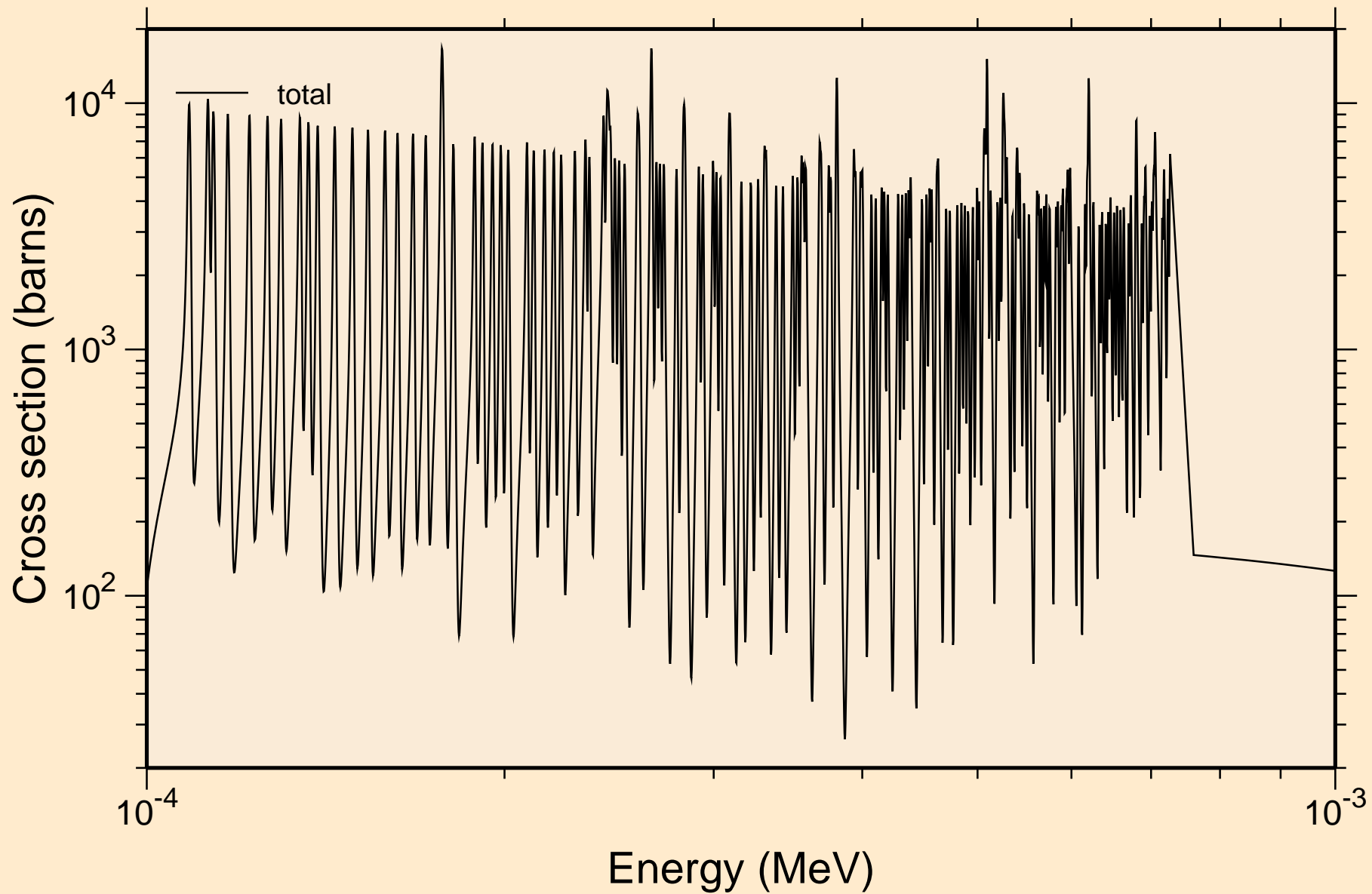
YB164 NRG TENDL-2015, AKONING  
resonance total cross section



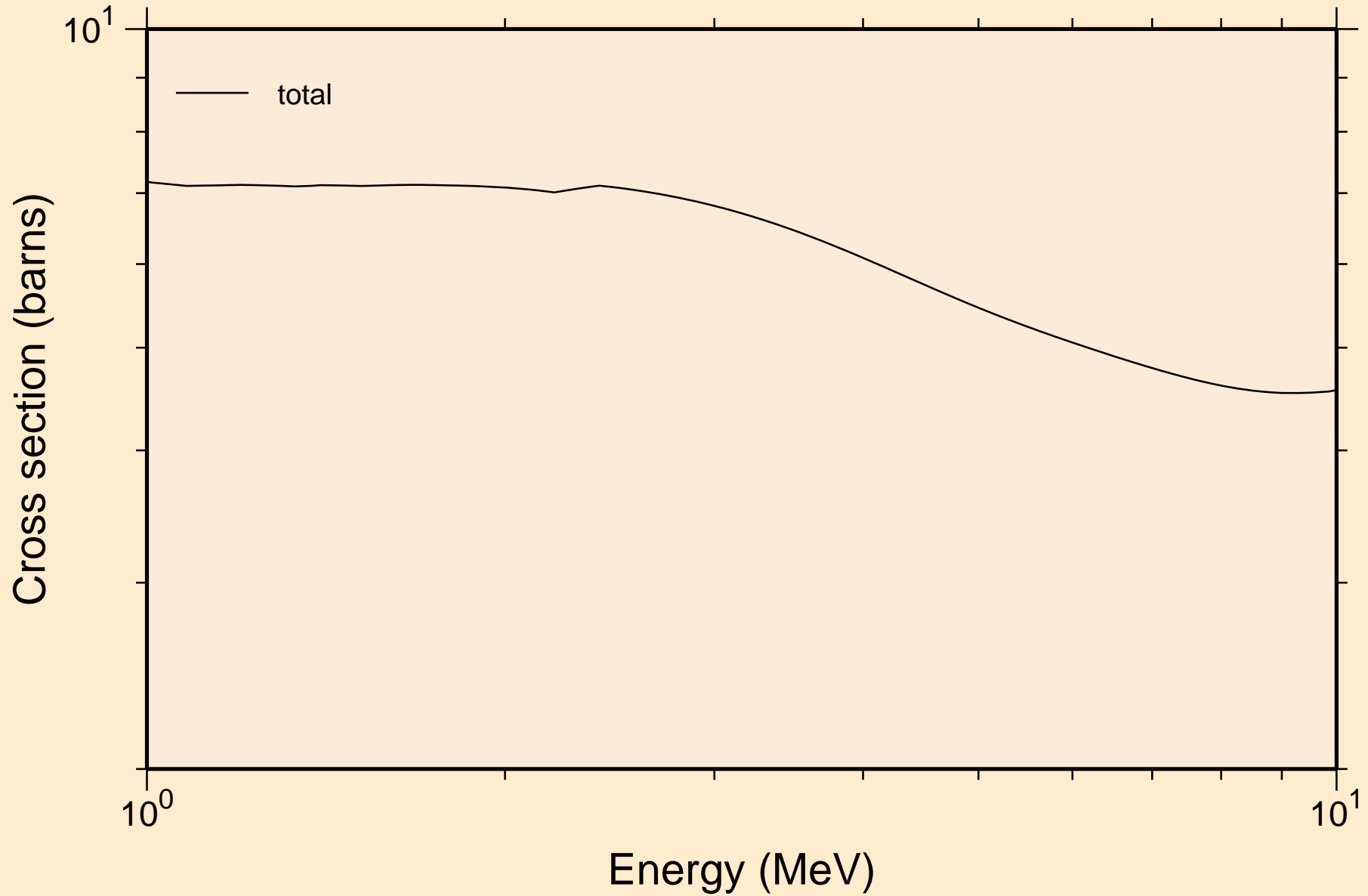
YB164 NRG TENDL-2015, AKONING  
resonance total cross section



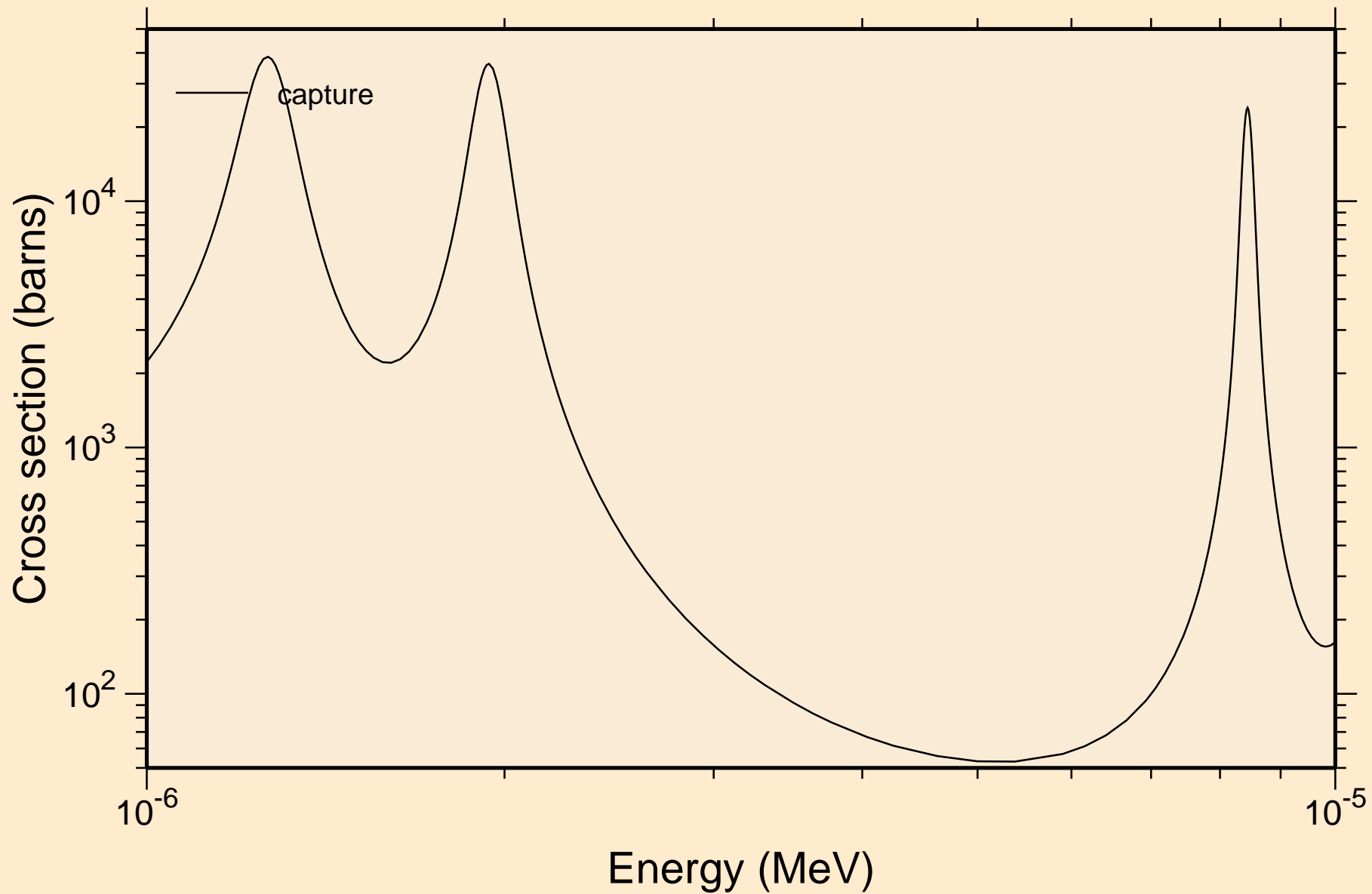
YB164 NRG TENDL-2015, AKONING  
resonance total cross section



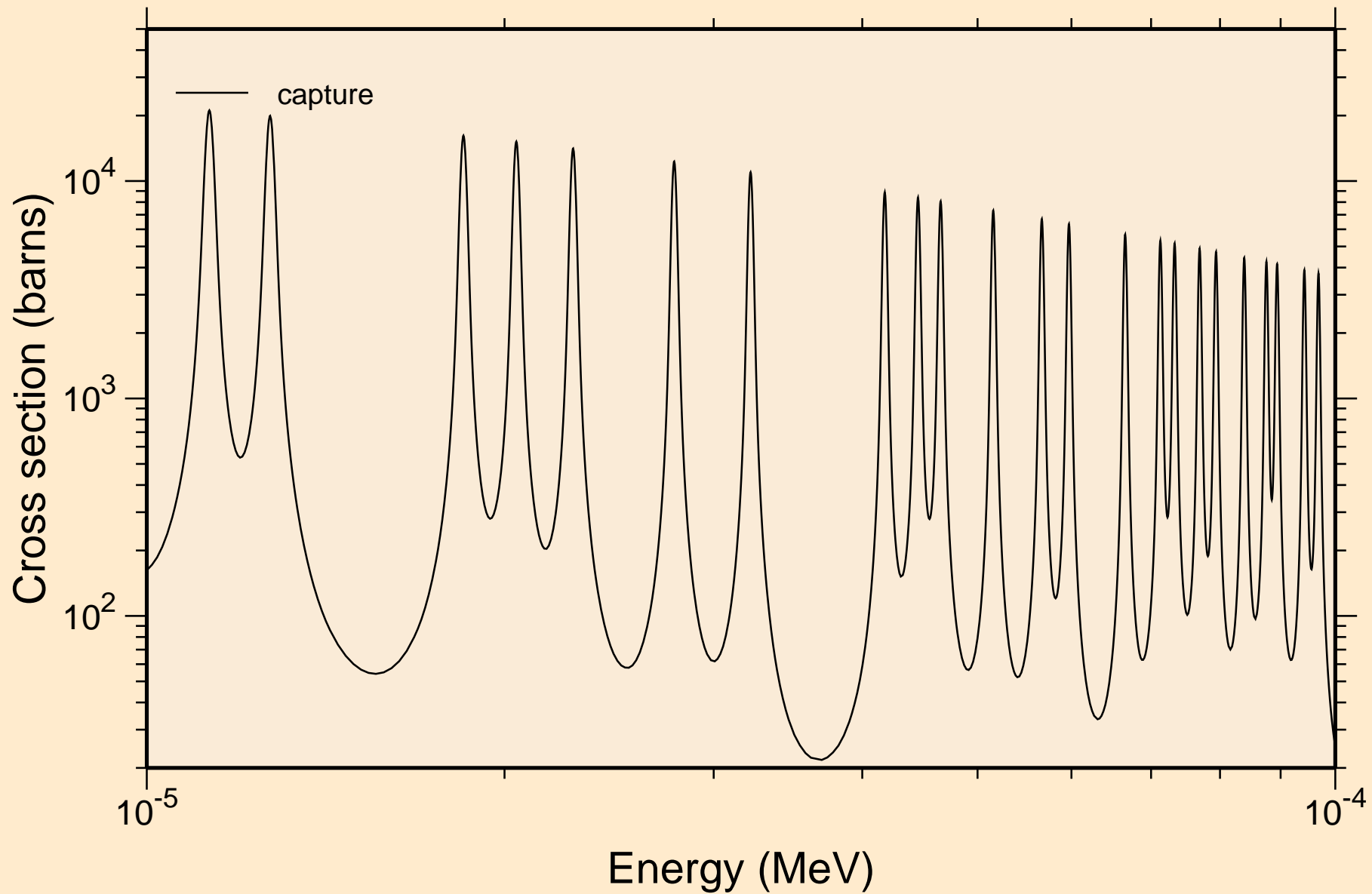
YB164 NRG TENDL-2015, AKONING  
resonance total cross section



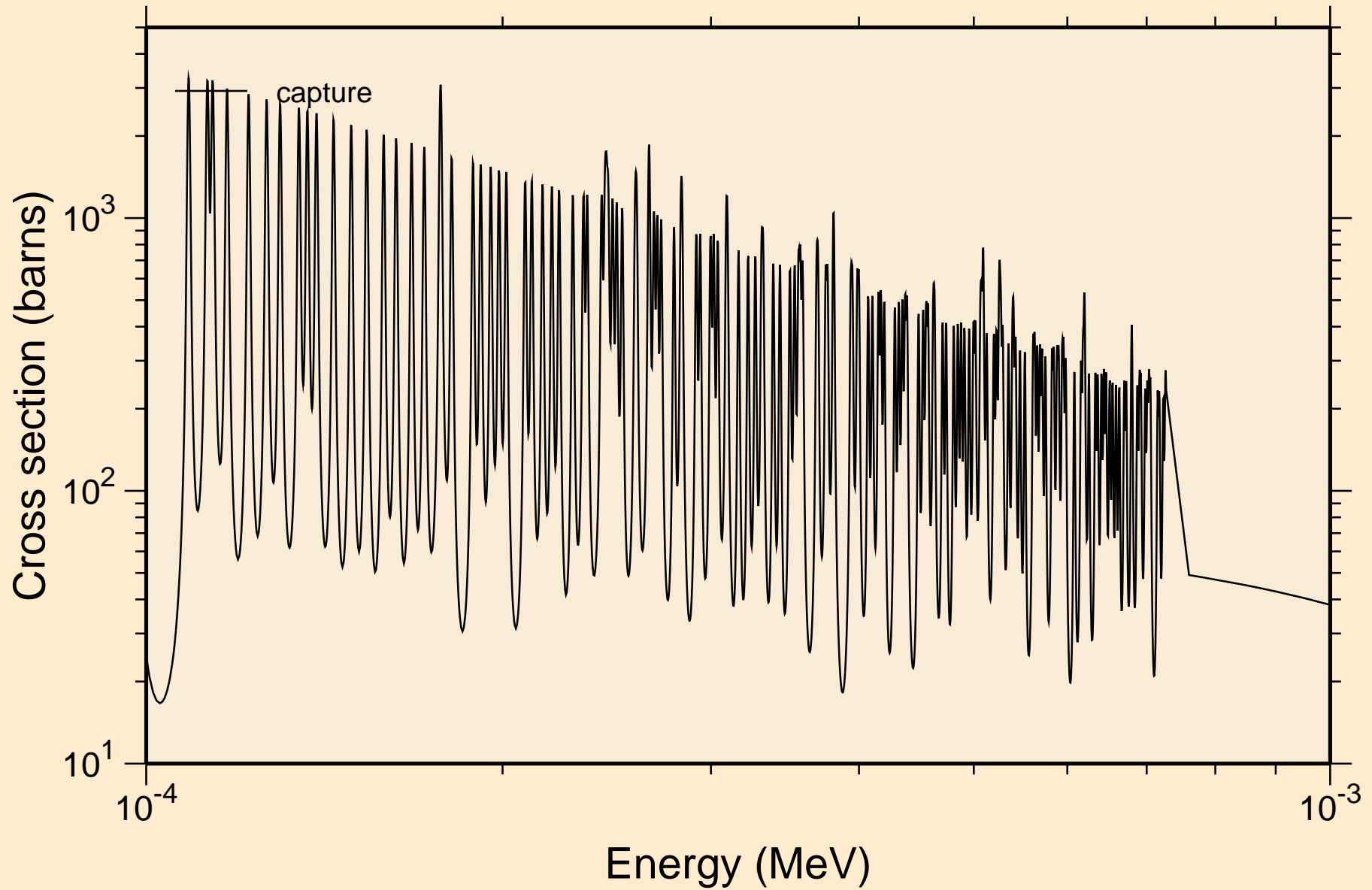
YB164 NRG TENDL-2015, AKONING  
resonance absorption cross sections



YB164 NRG TENDL-2015, AKONING  
resonance absorption cross sections

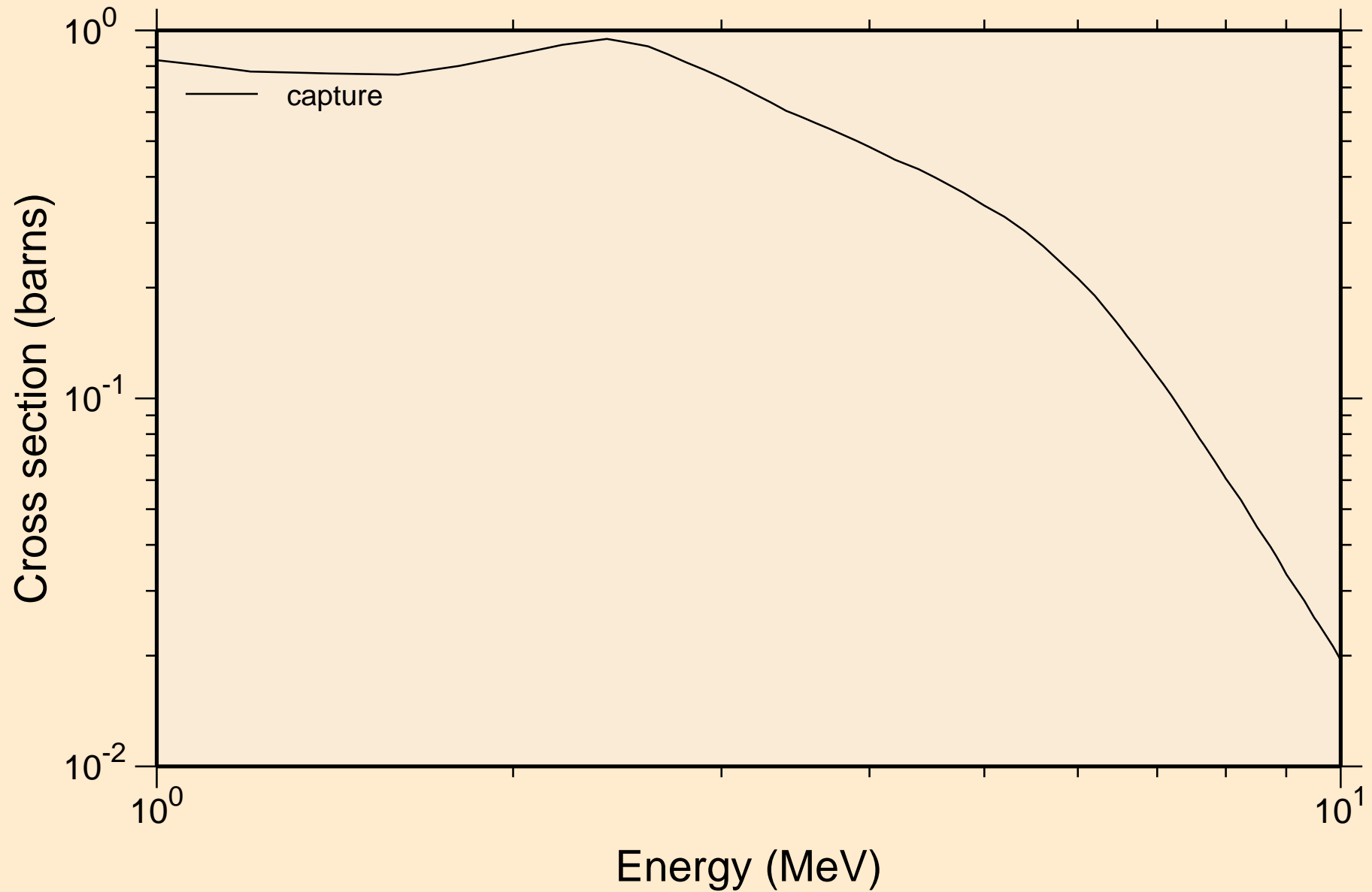


YB164 NRG TENDL-2015, AKONING  
resonance absorption cross sections



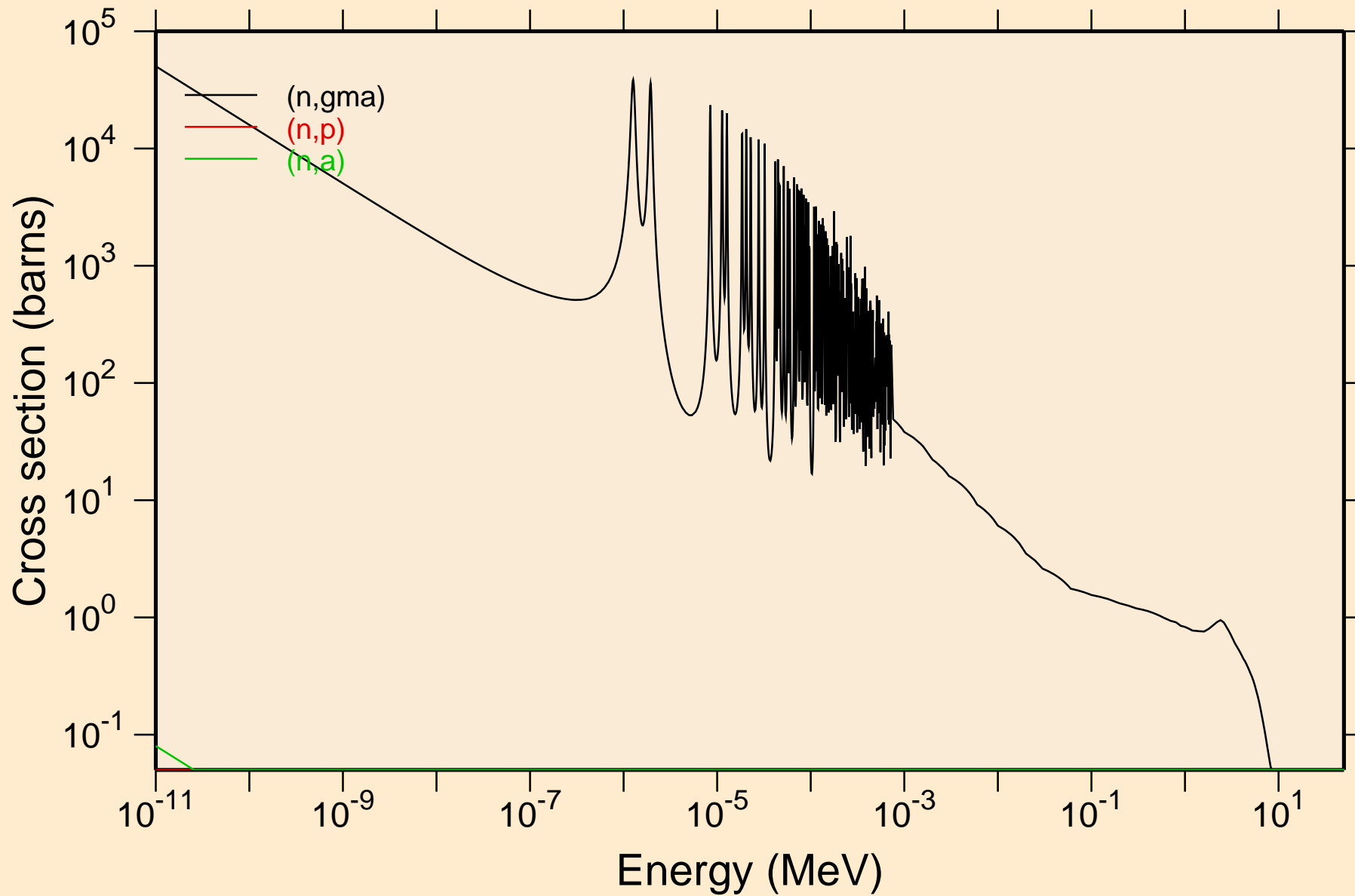


YB164 NRG TENDL-2015, AKONING  
resonance absorption cross sections



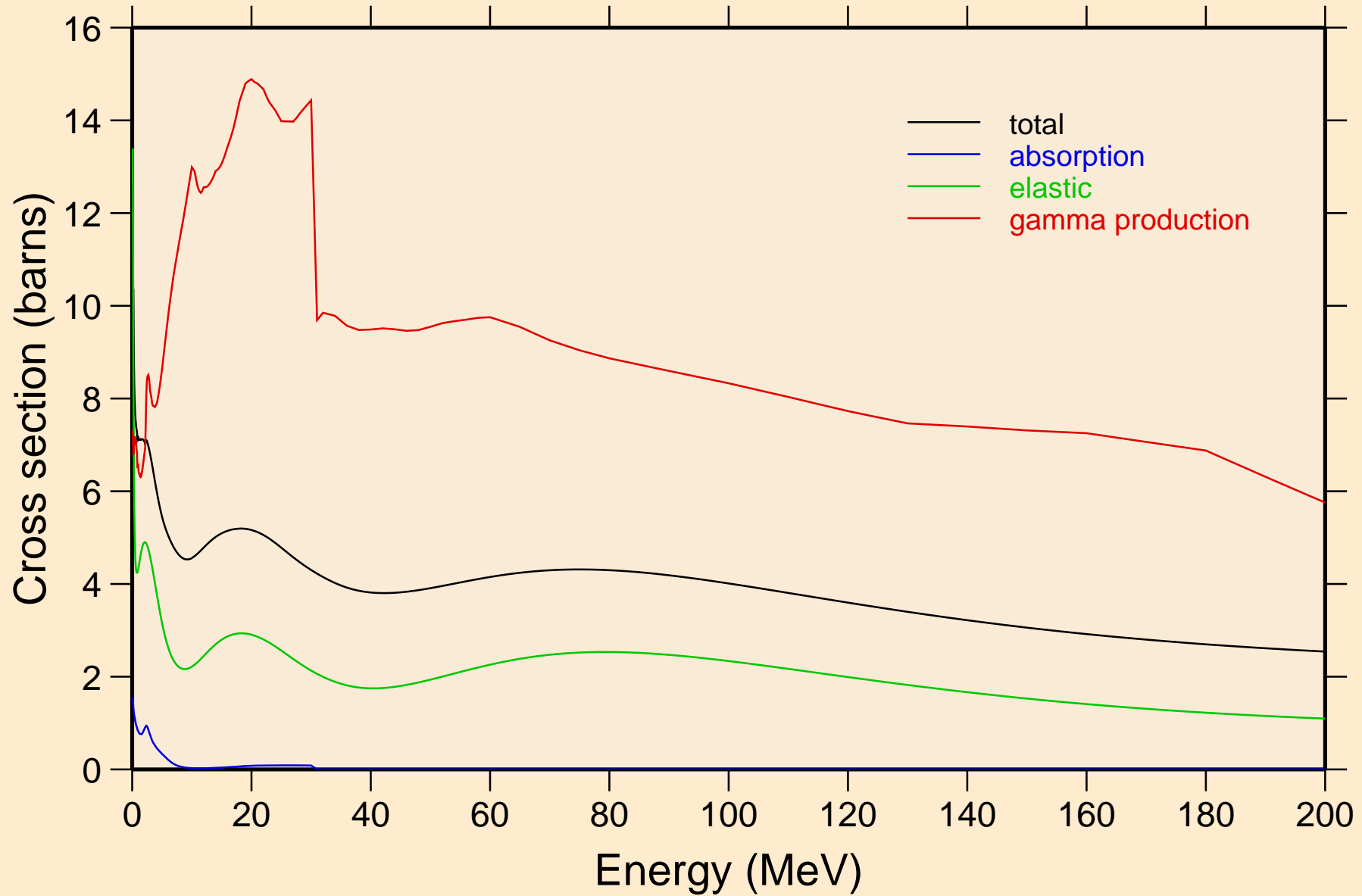
# YB164 NRG TENDL-2015, AKONING

## Non-threshold reactions



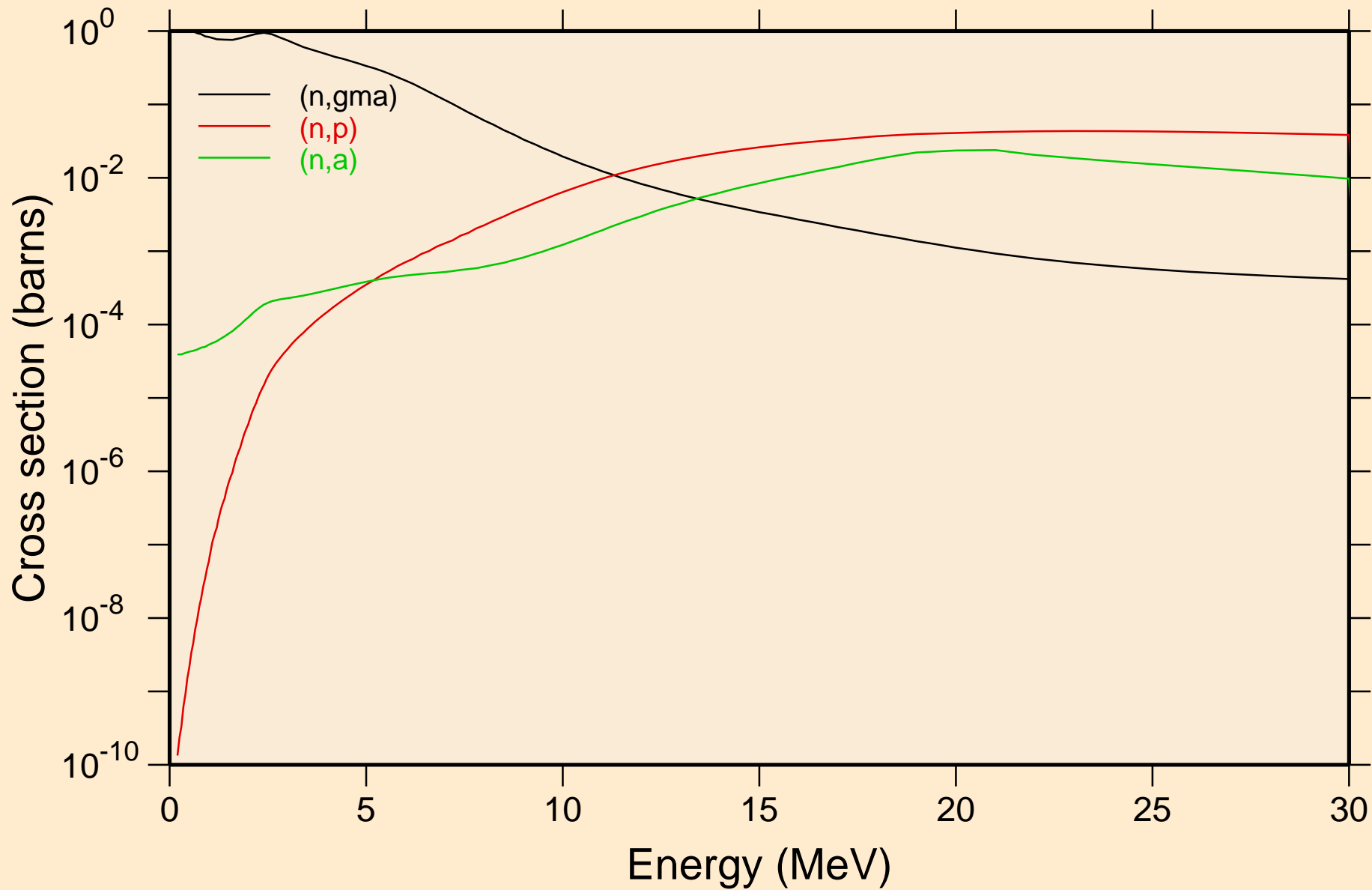
# YB164 NRG TENDL-2015, AKONING

## Principal cross sections



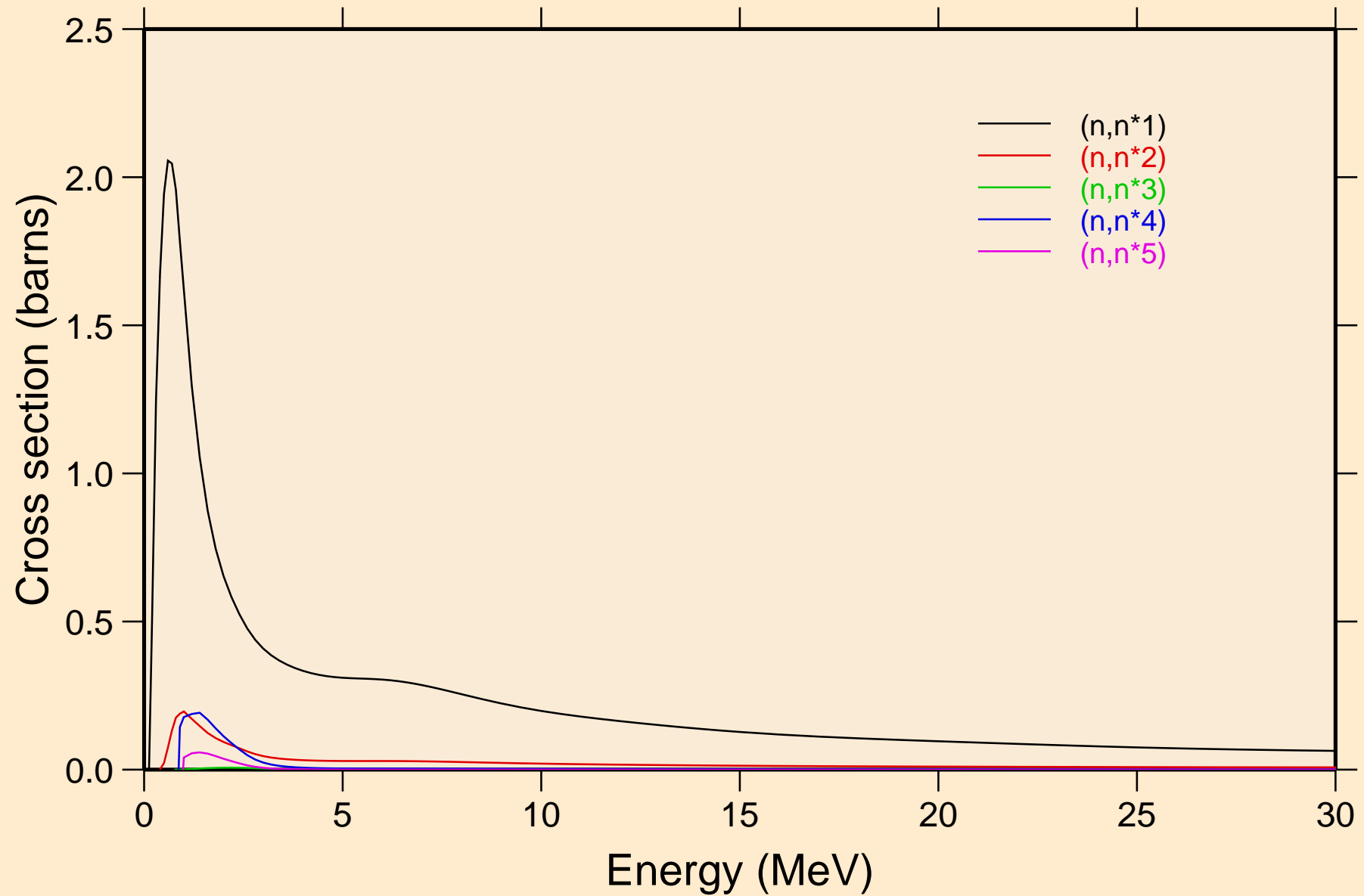
# YB164 NRG TENDL-2015, AKONING

## Non-threshold reactions



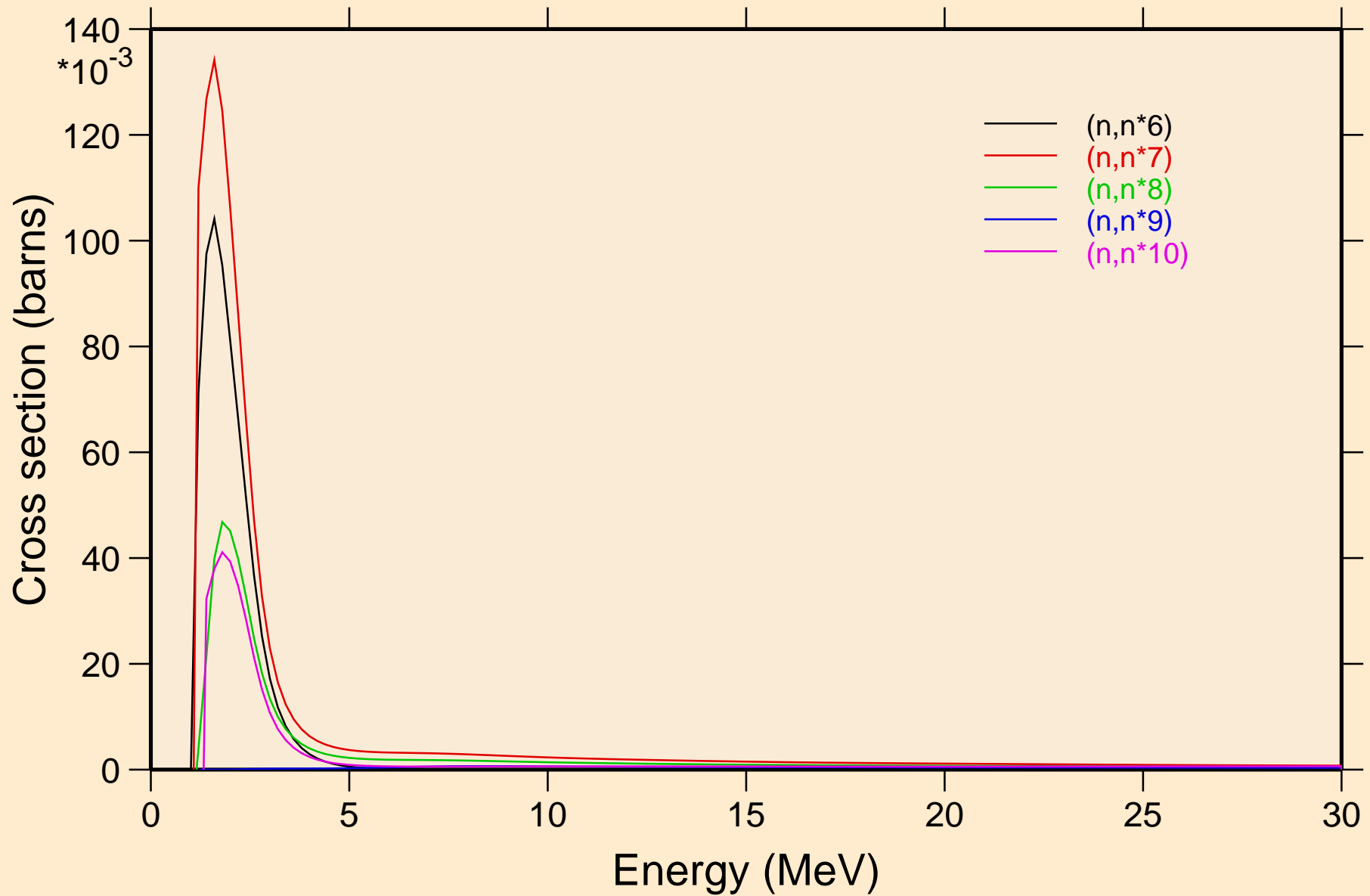
# YB164 NRG TENDL-2015, AKONING

## Inelastic levels



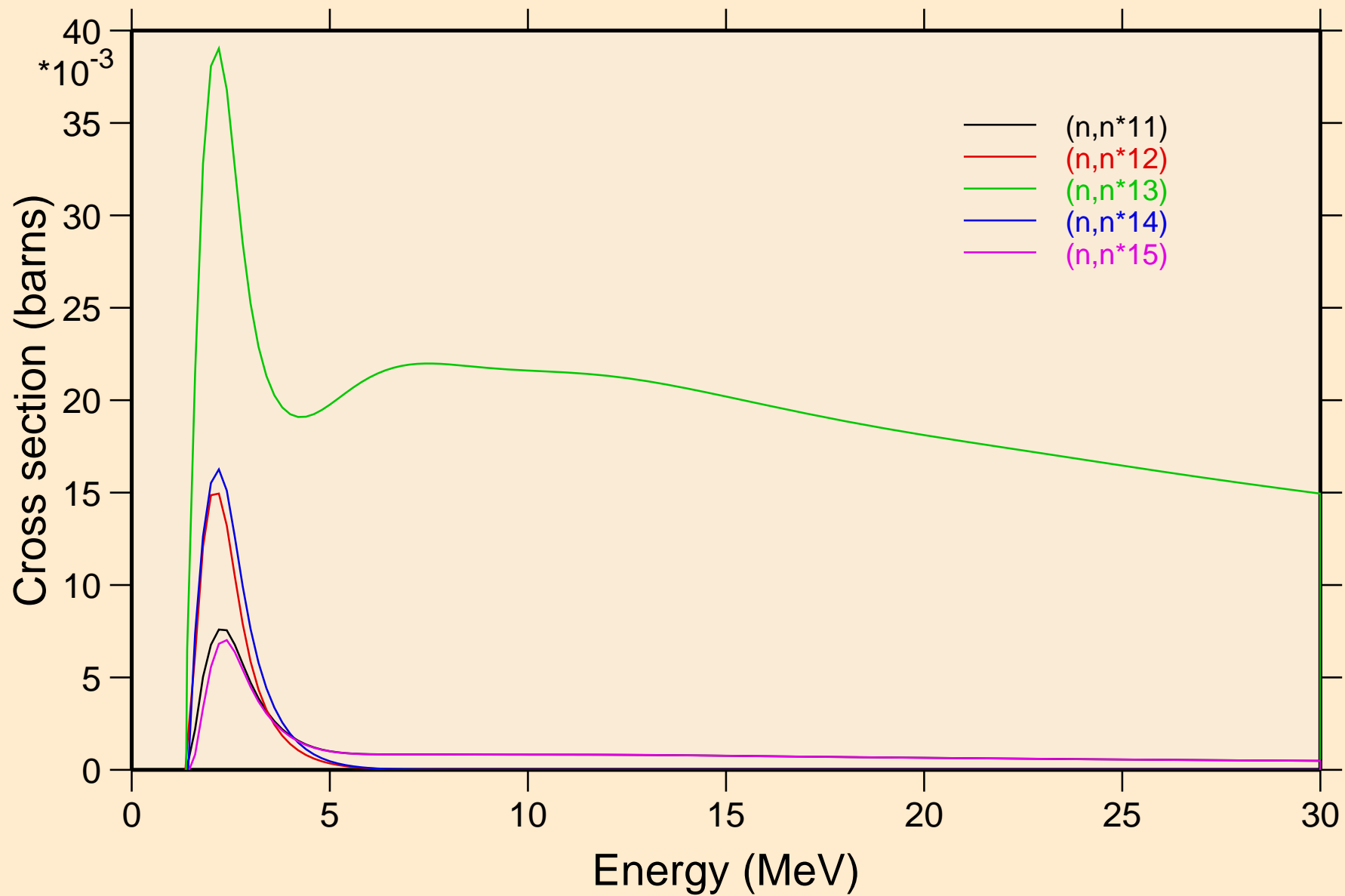
# YB164 NRG TENDL-2015, AKONING

## Inelastic levels



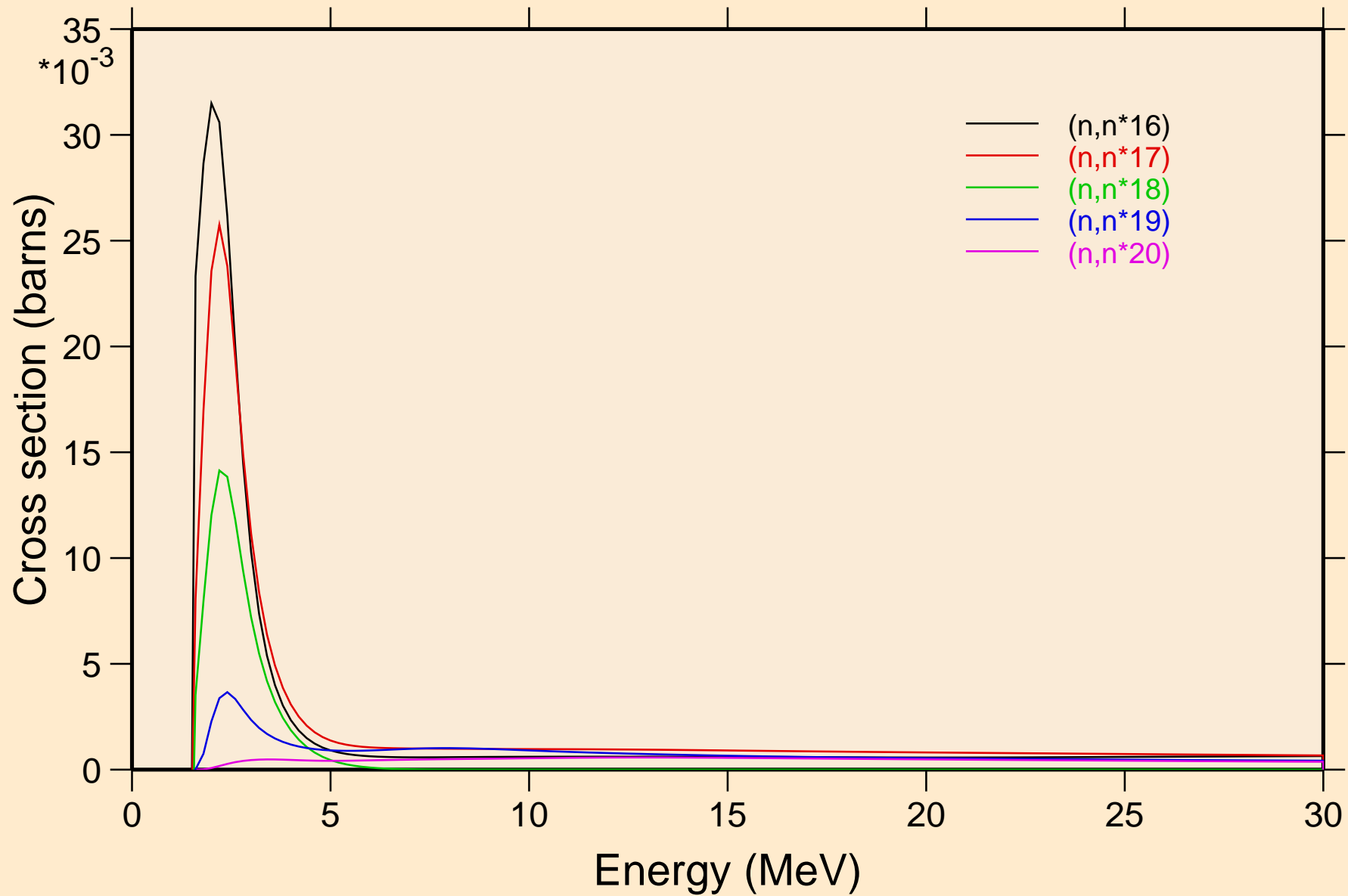
# YB164 NRG TENDL-2015, AKONING

## Inelastic levels



# YB164 NRG TENDL-2015, AKONING

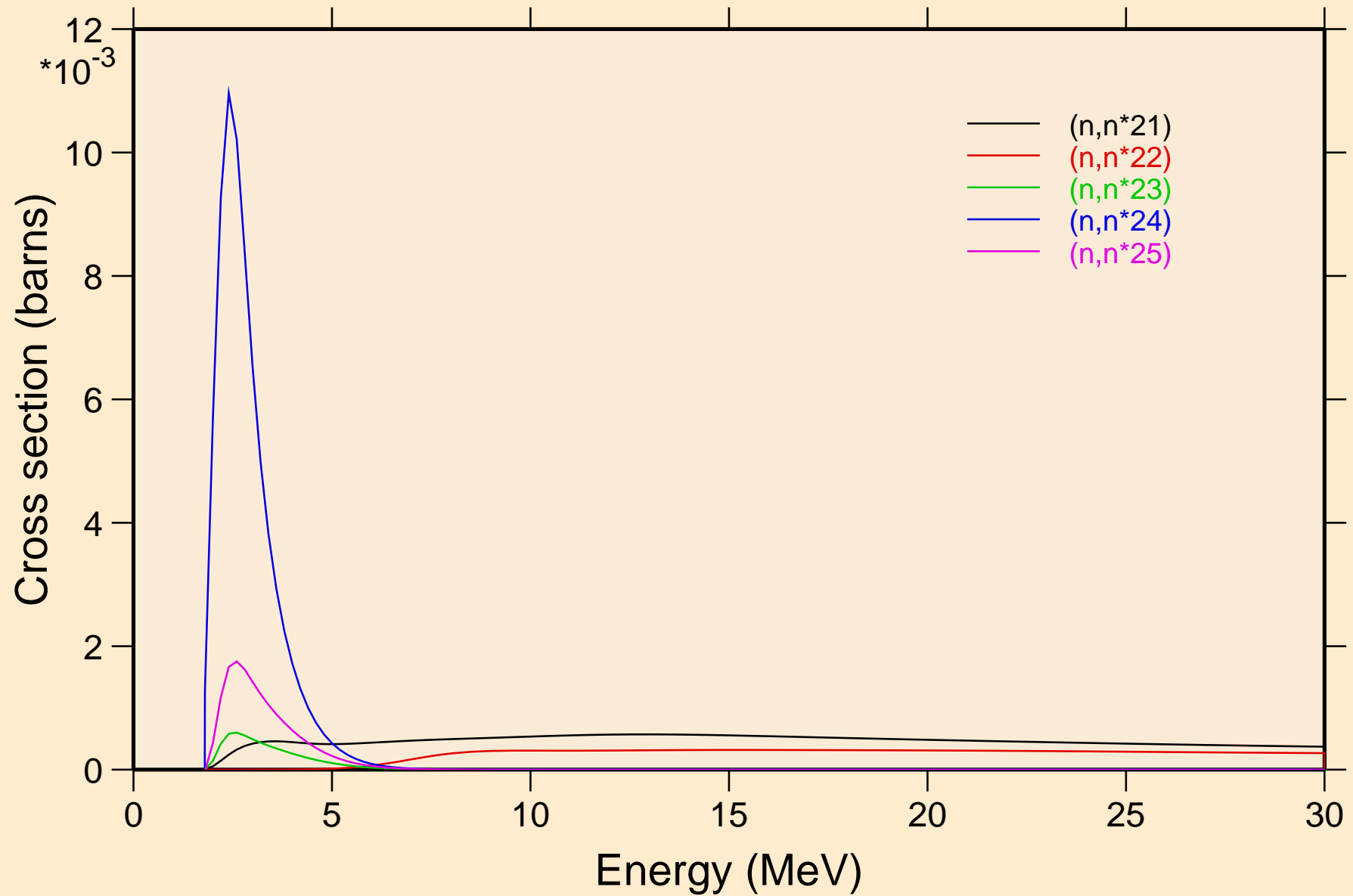
## Inelastic levels





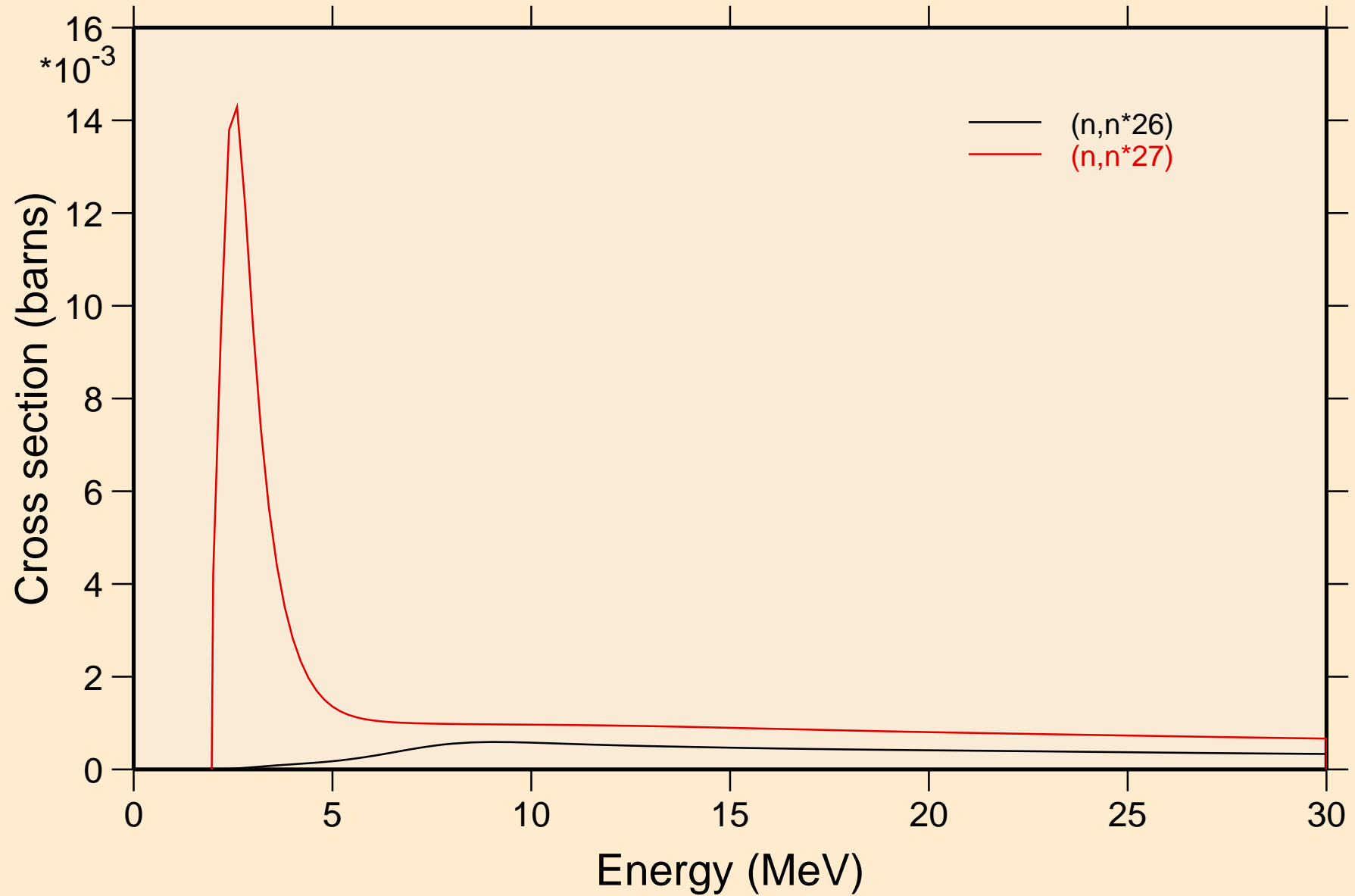
# YB164 NRG TENDL-2015, AKONING

## Inelastic levels



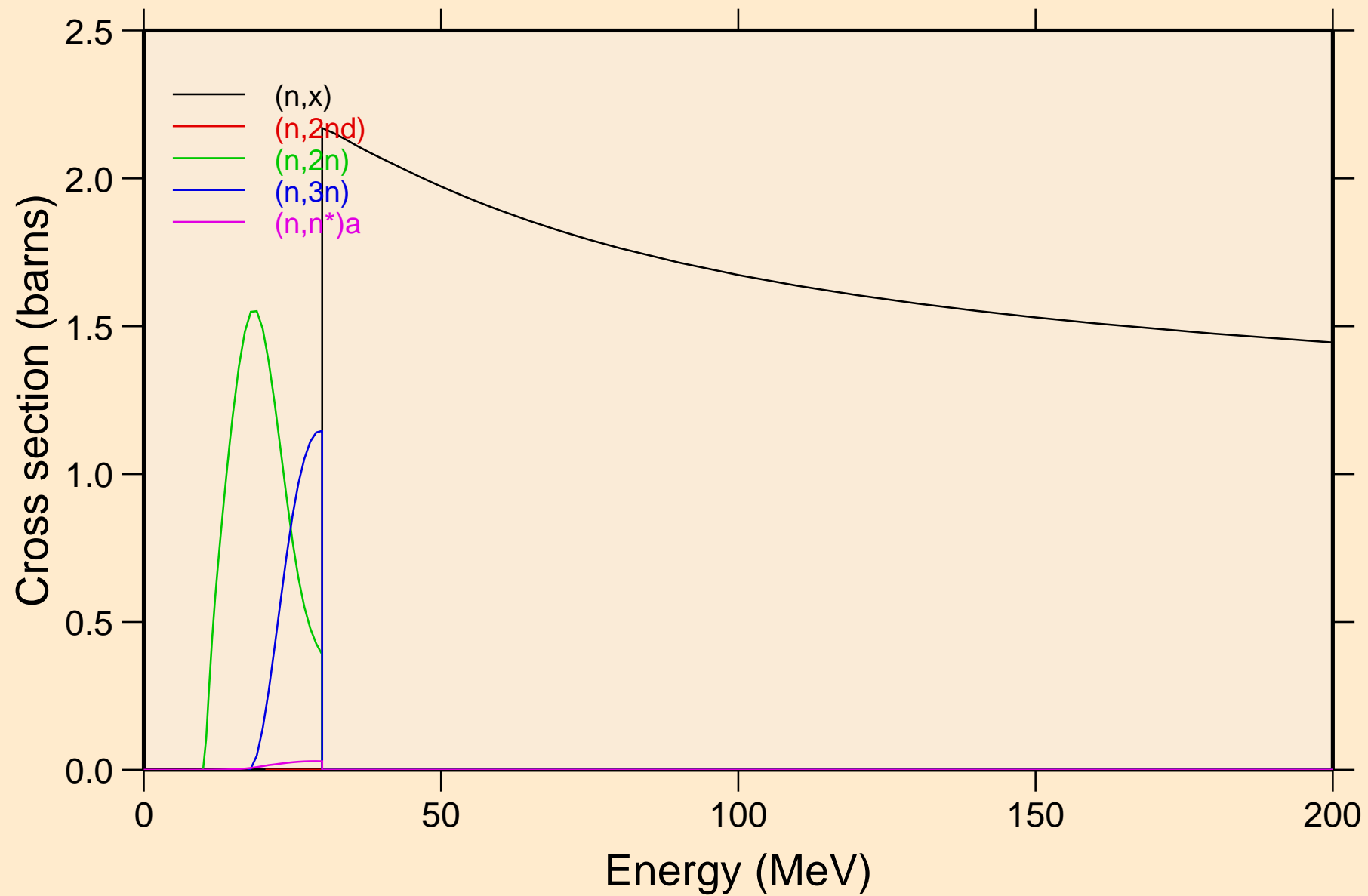
# YB164 NRG TENDL-2015, AKONING

## Inelastic levels



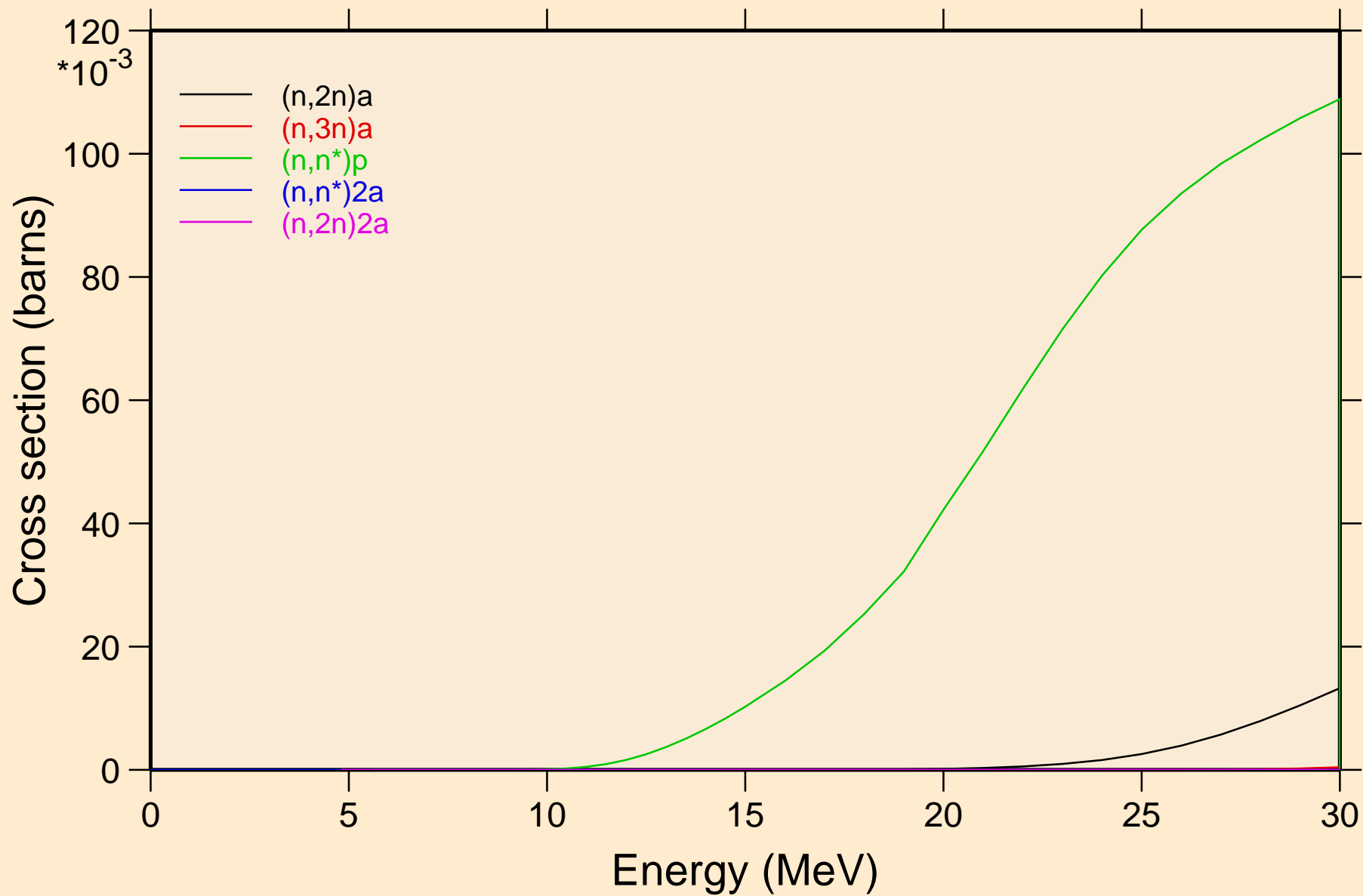
# YB164 NRG TENDL-2015, AKONING

## Threshold reactions



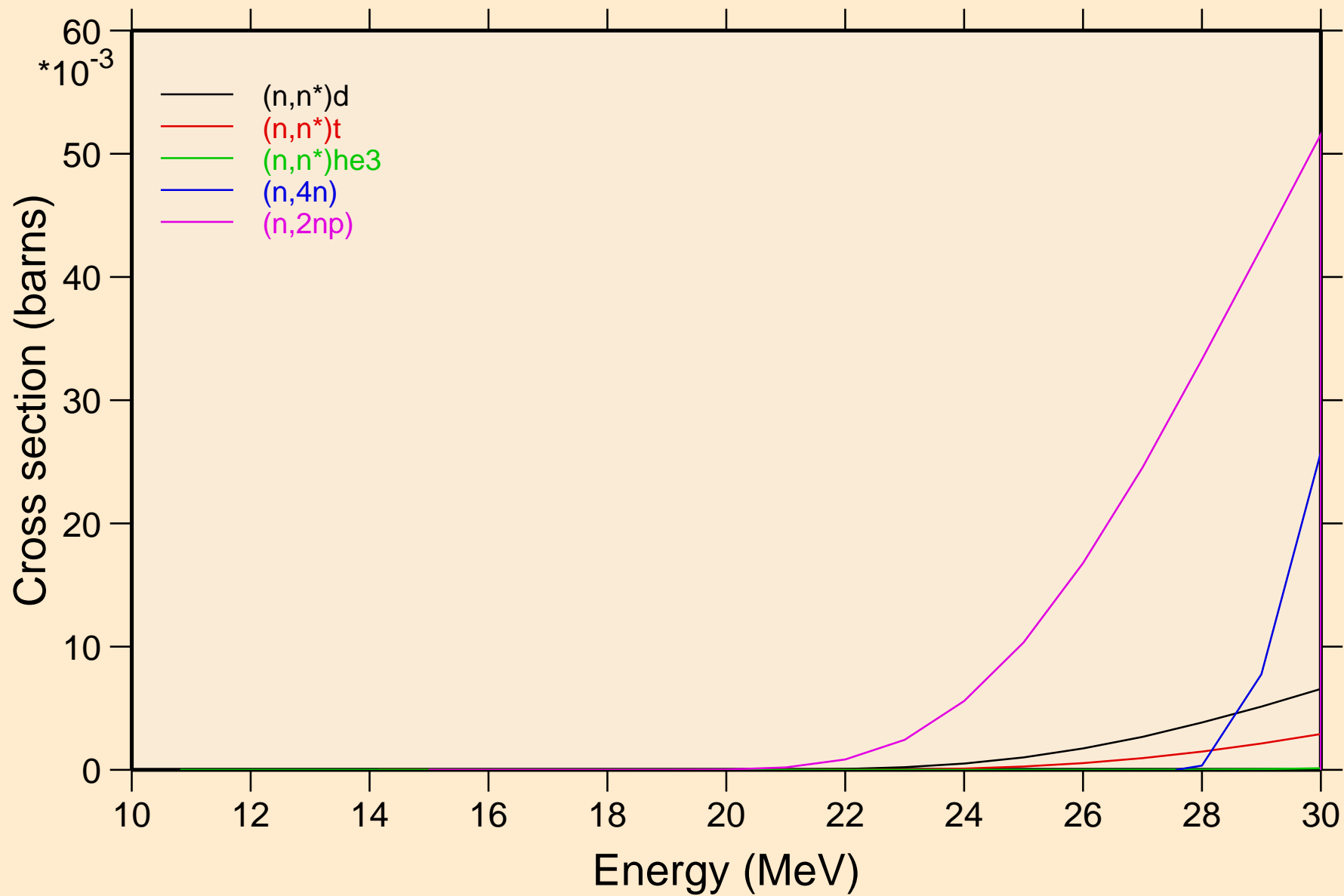
# YB164 NRG TENDL-2015, AKONING

## Threshold reactions



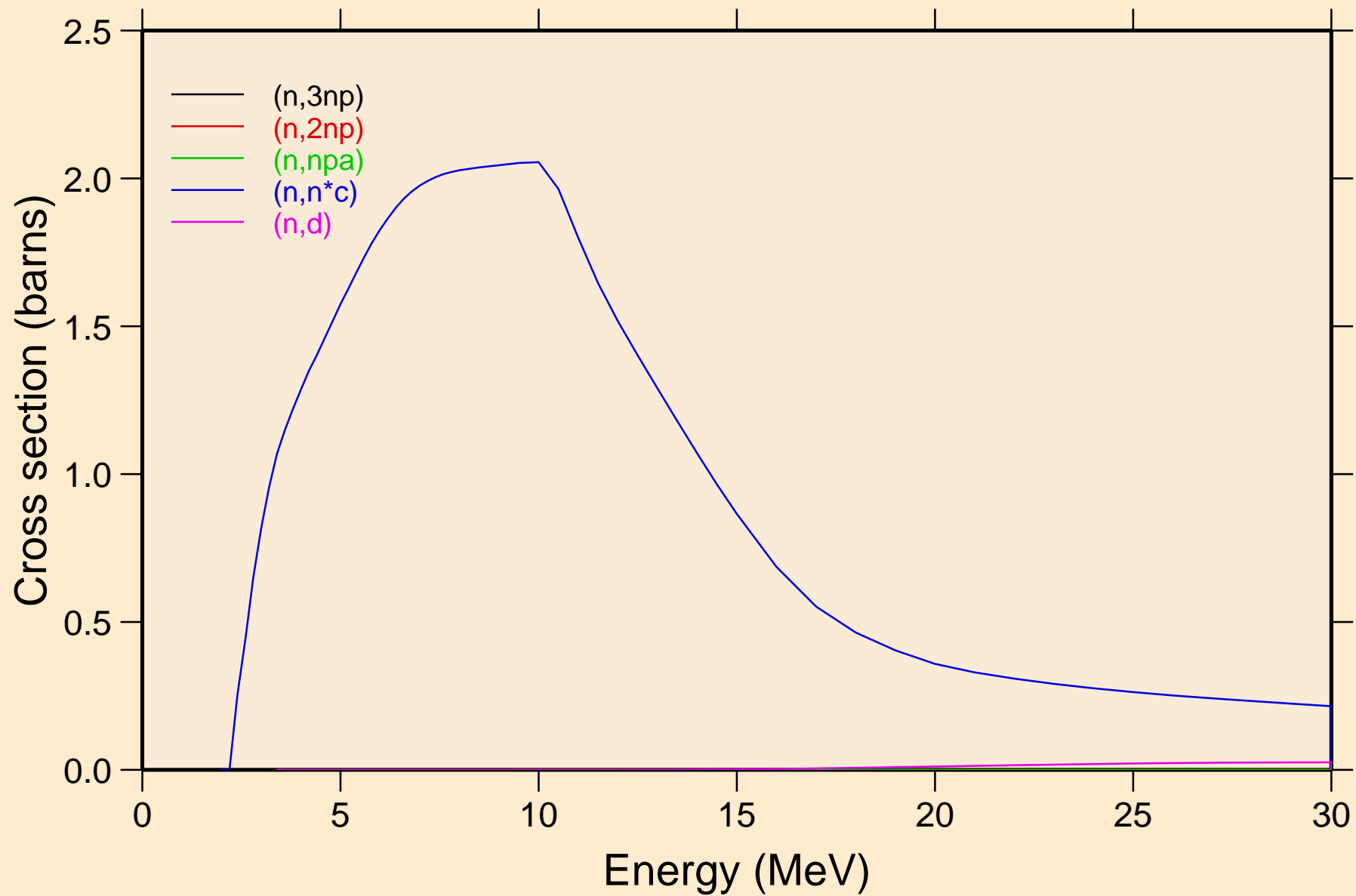
# YB164 NRG TENDL-2015, AKONING

## Threshold reactions



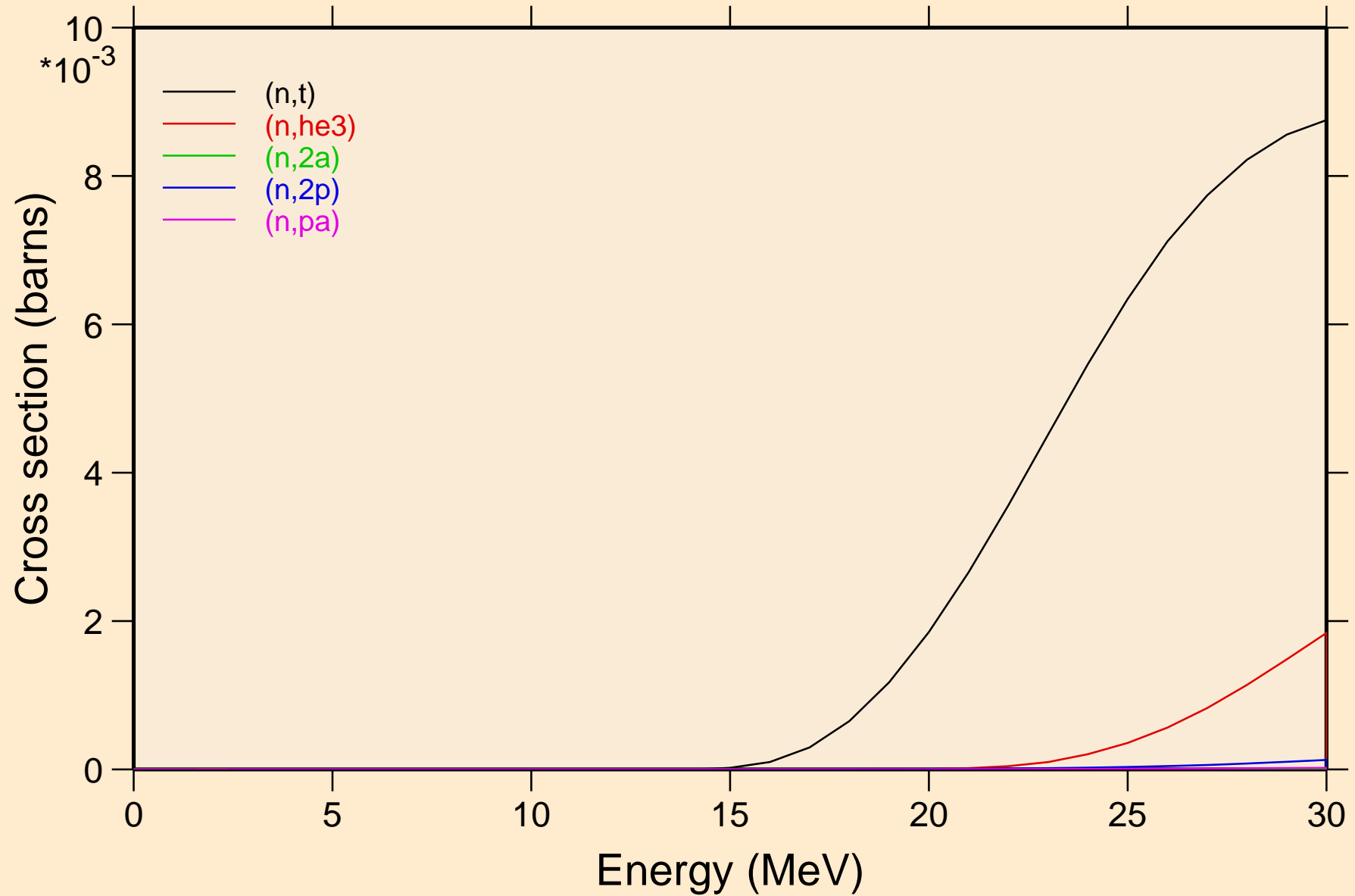
# YB164 NRG TENDL-2015, AKONING

## Threshold reactions



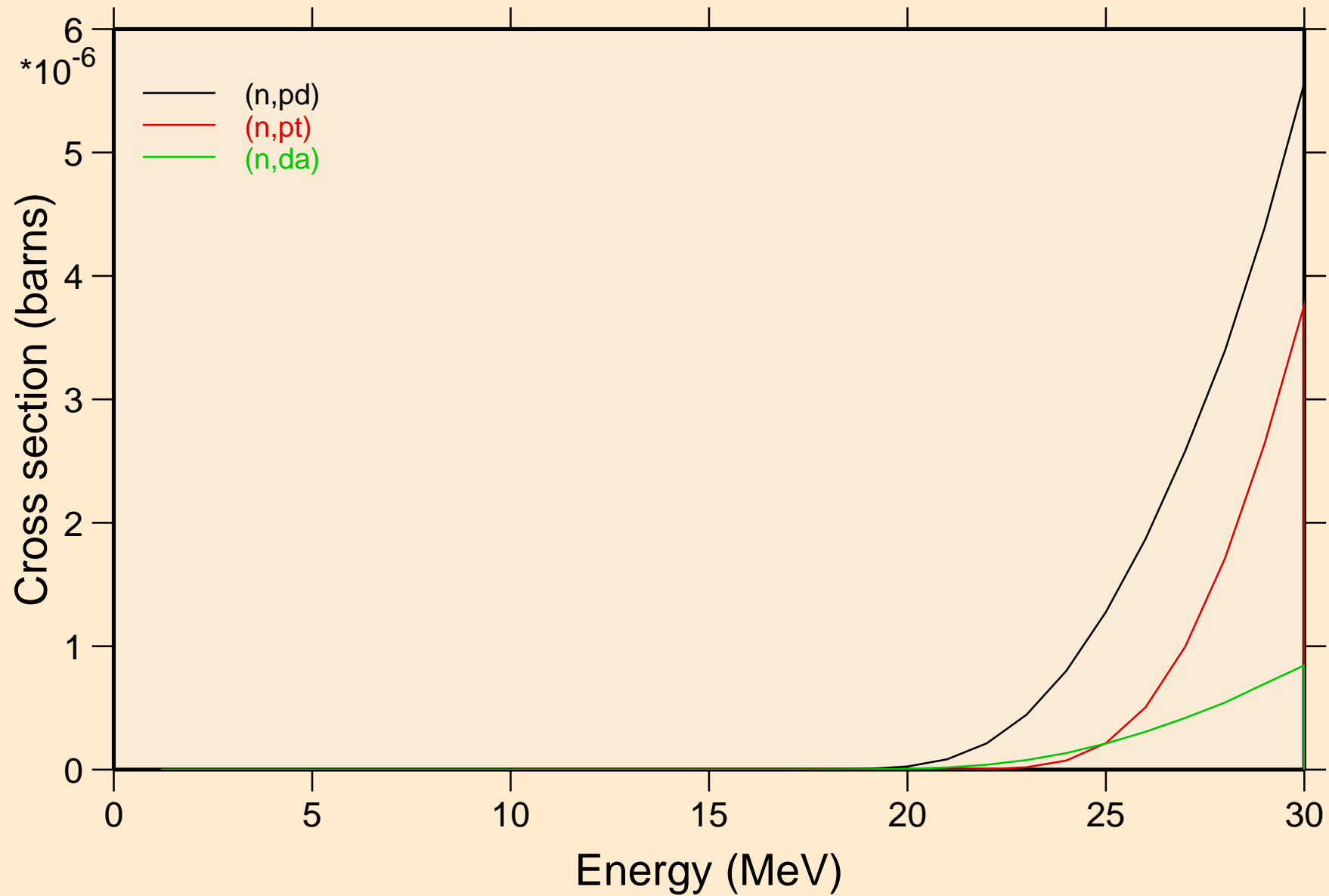
# YB164 NRG TENDL-2015, AKONING

## Threshold reactions



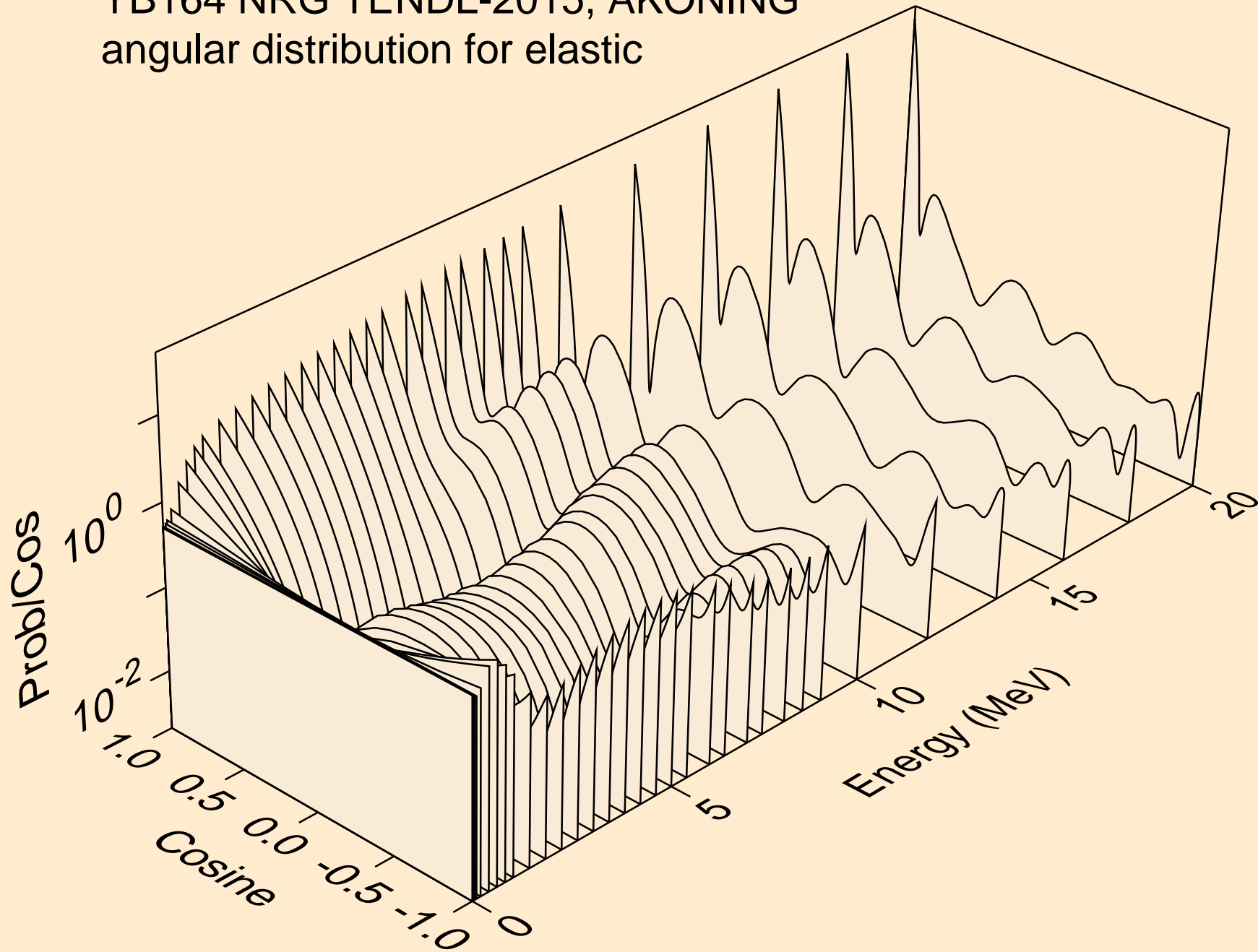
# YB164 NRG TENDL-2015, AKONING

## Threshold reactions

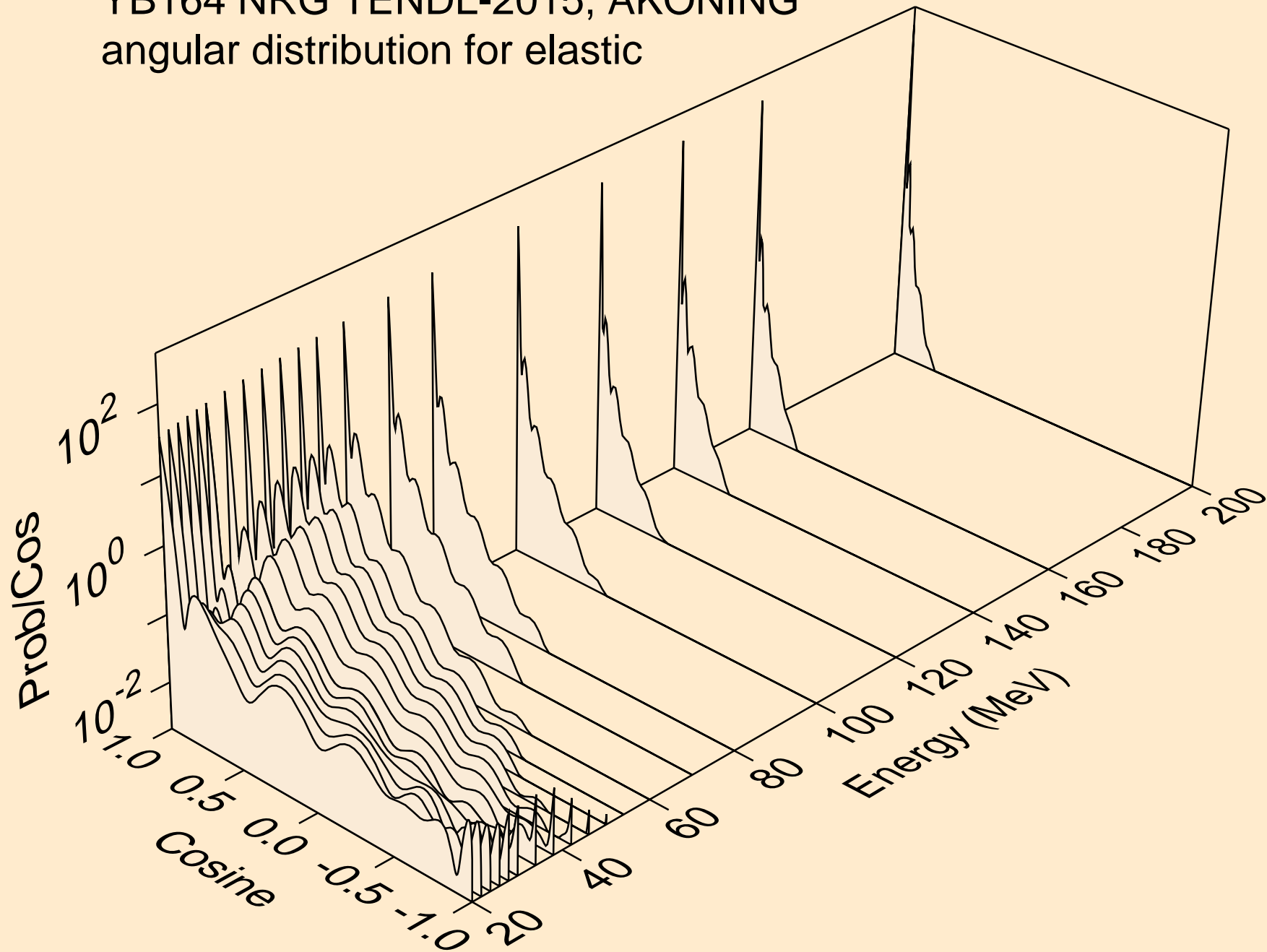




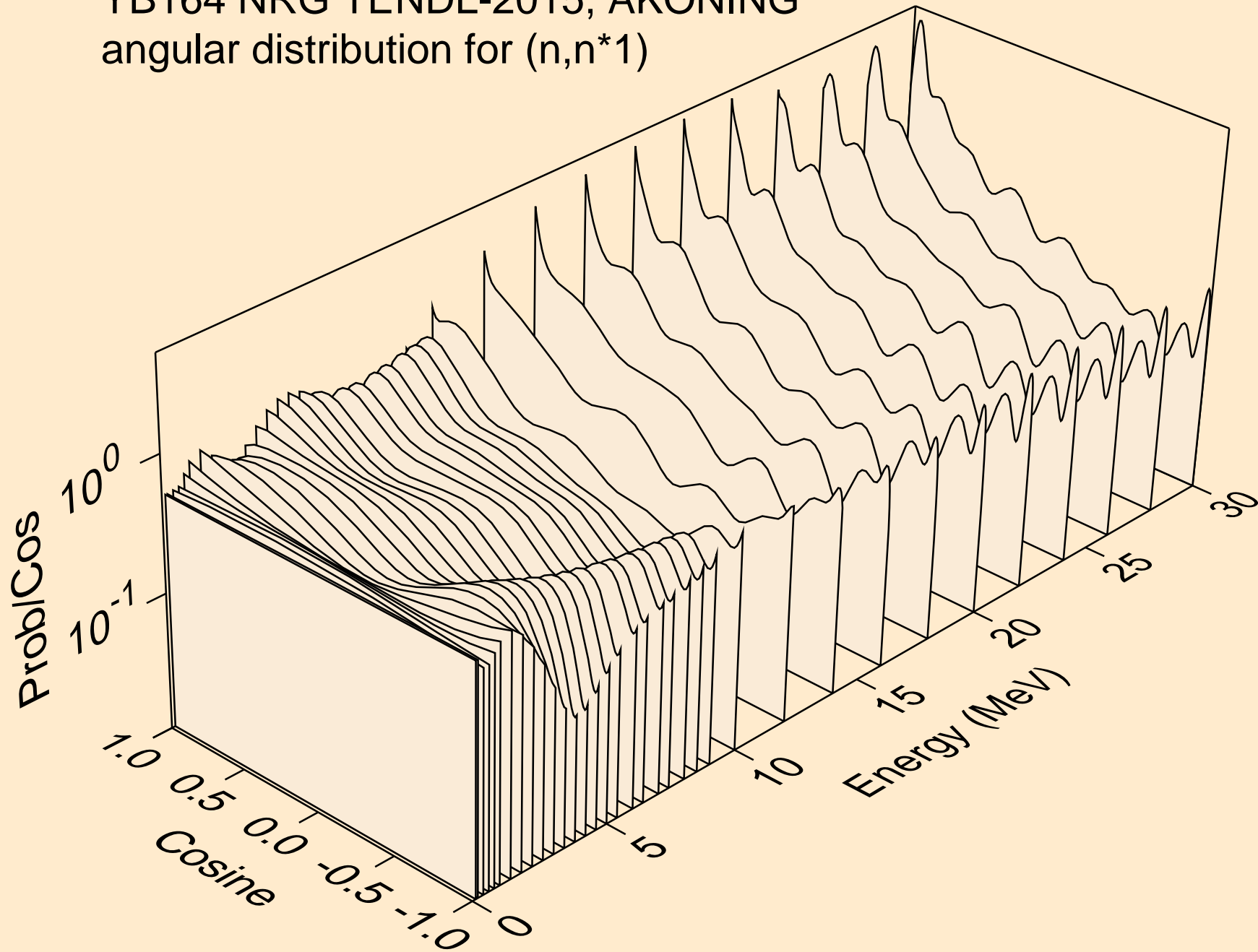
YB164 NRG TENDL-2015, AKONING  
angular distribution for elastic



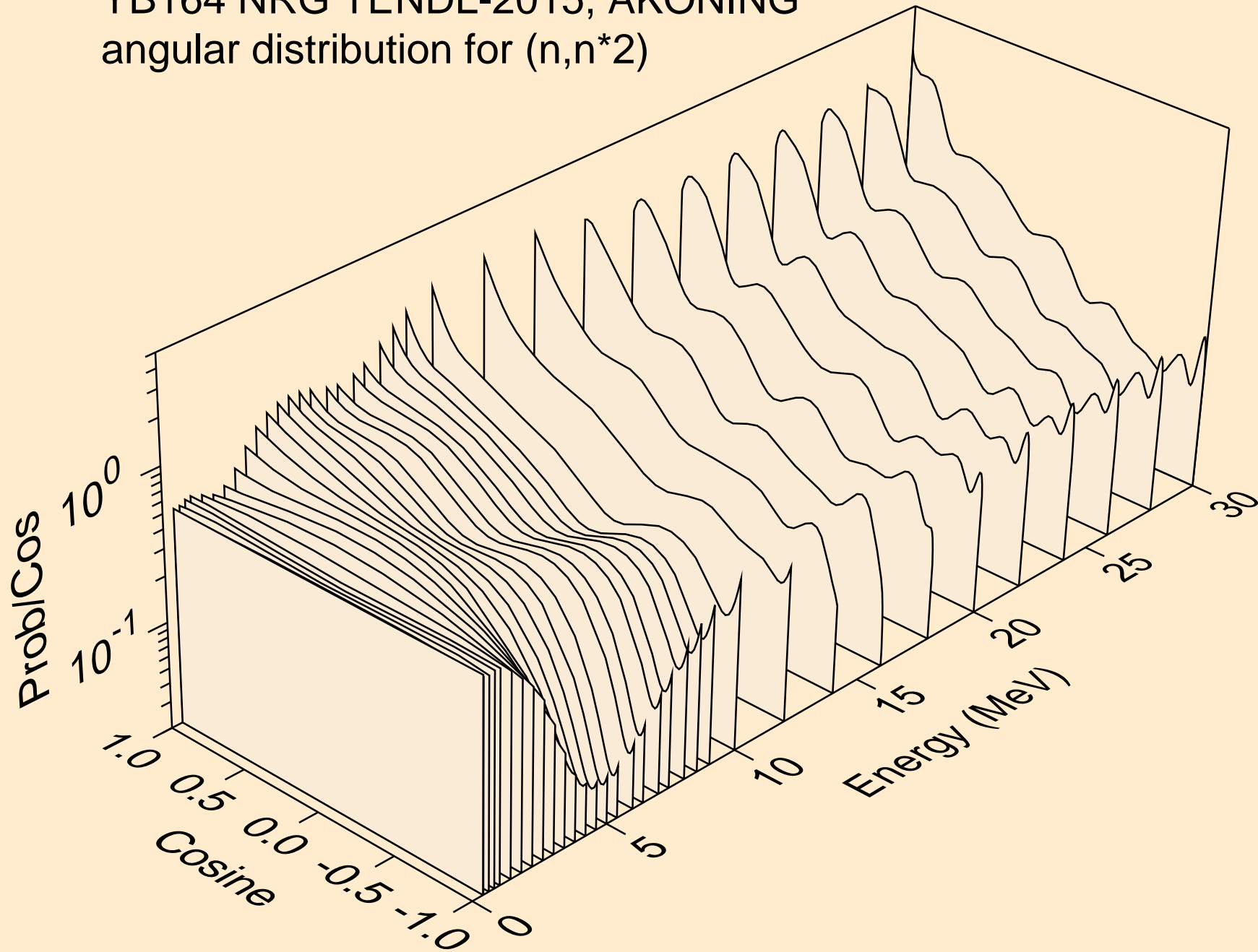
YB164 NRG TENDL-2015, AKONING  
angular distribution for elastic



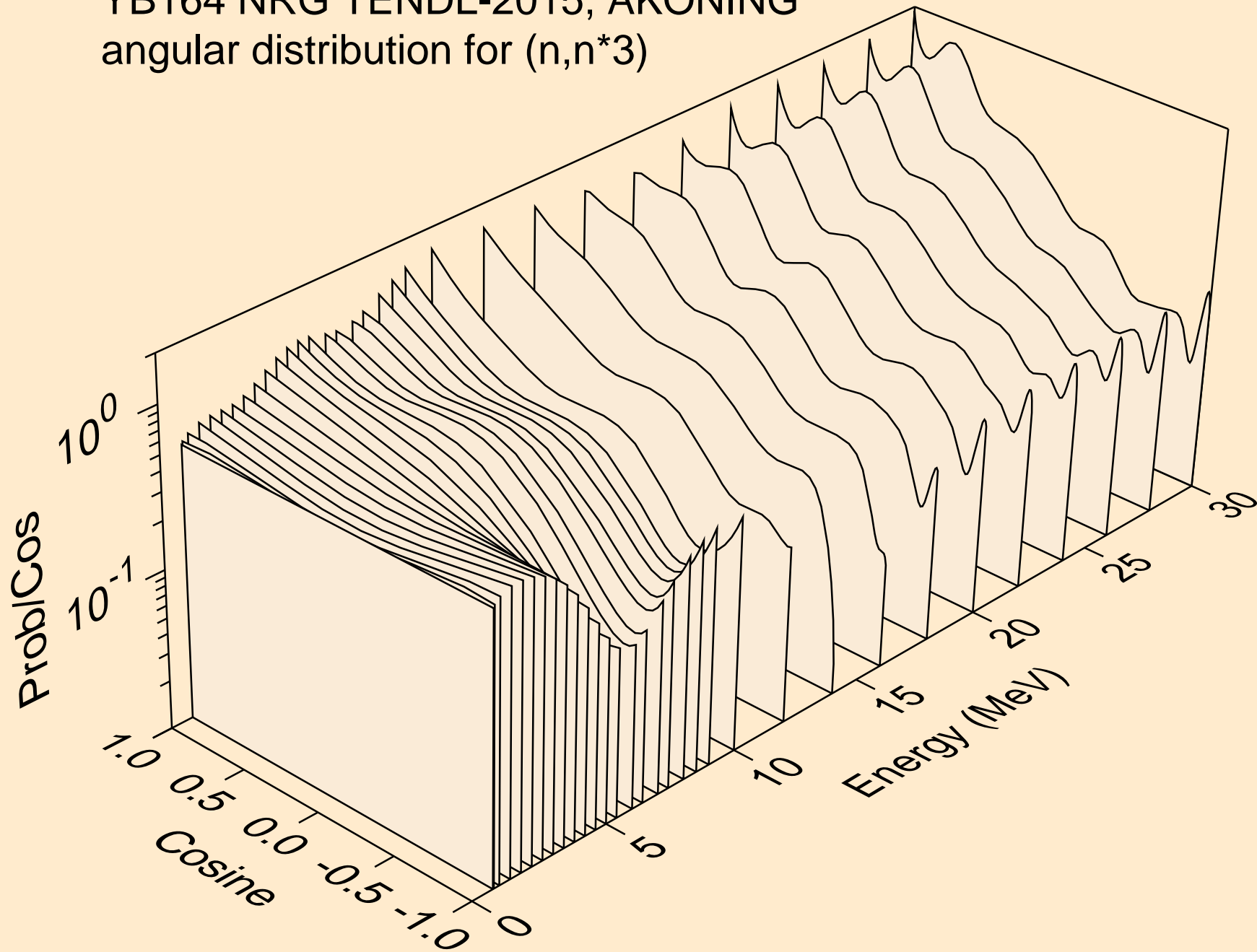
YB164 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



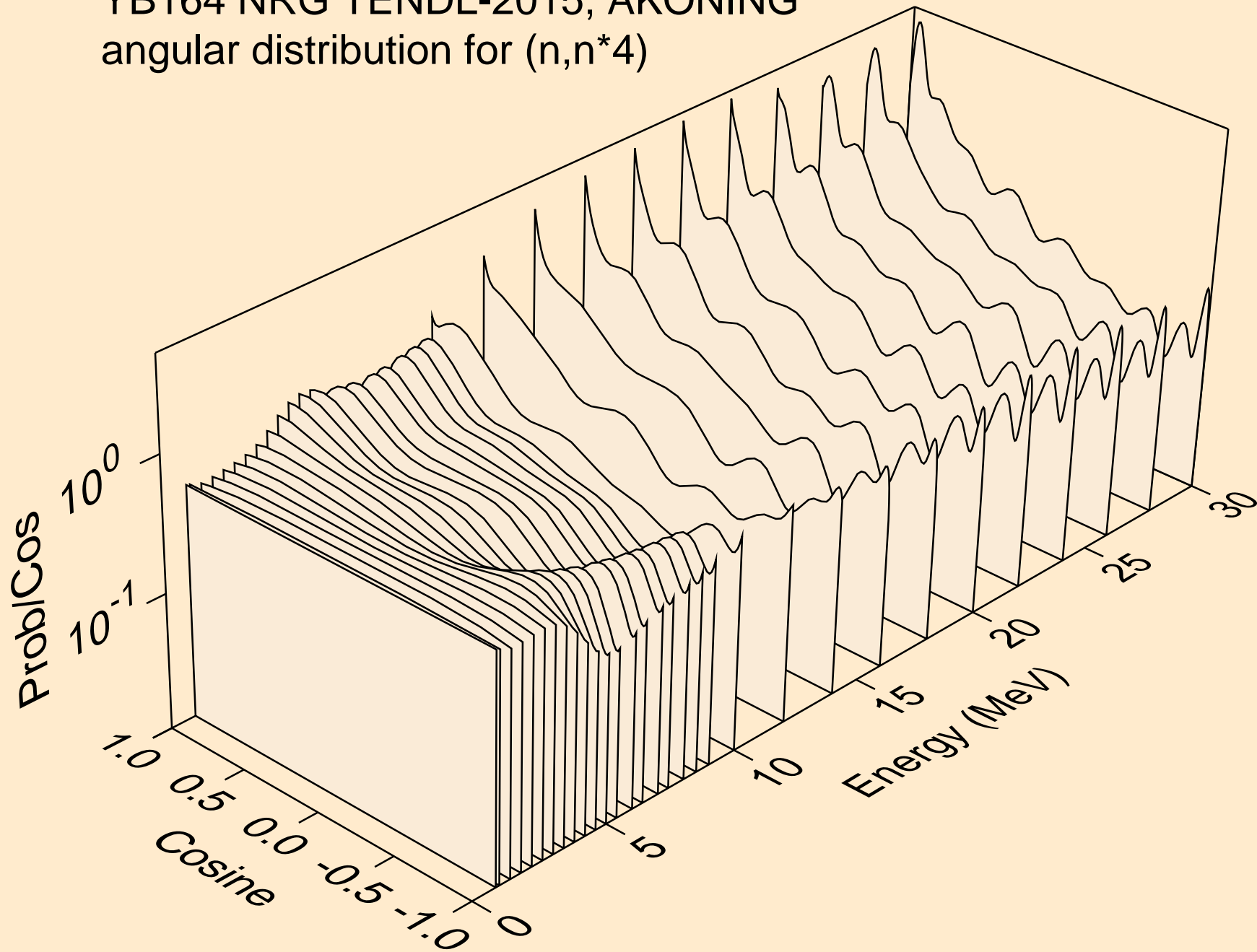
YB164 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



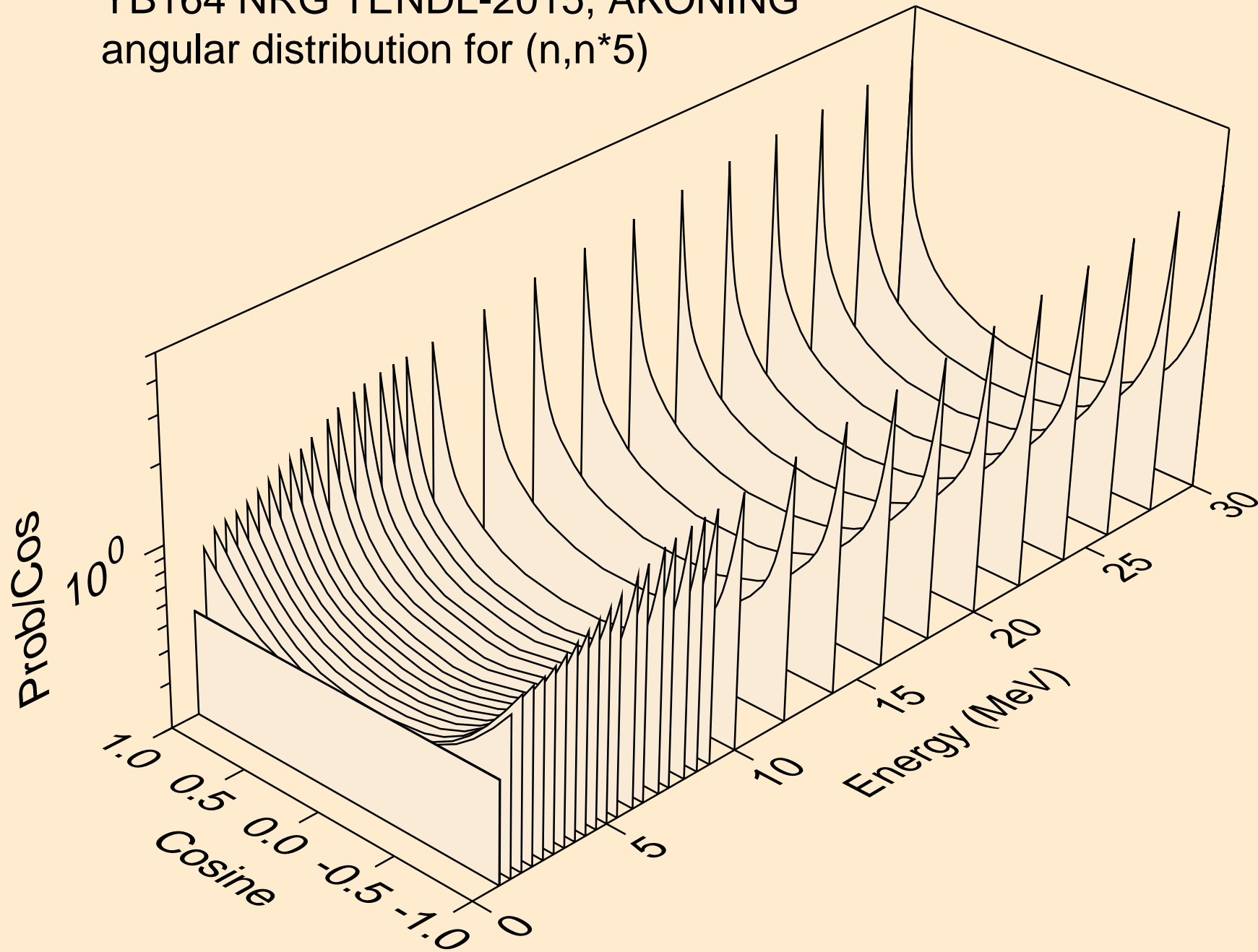
YB164 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



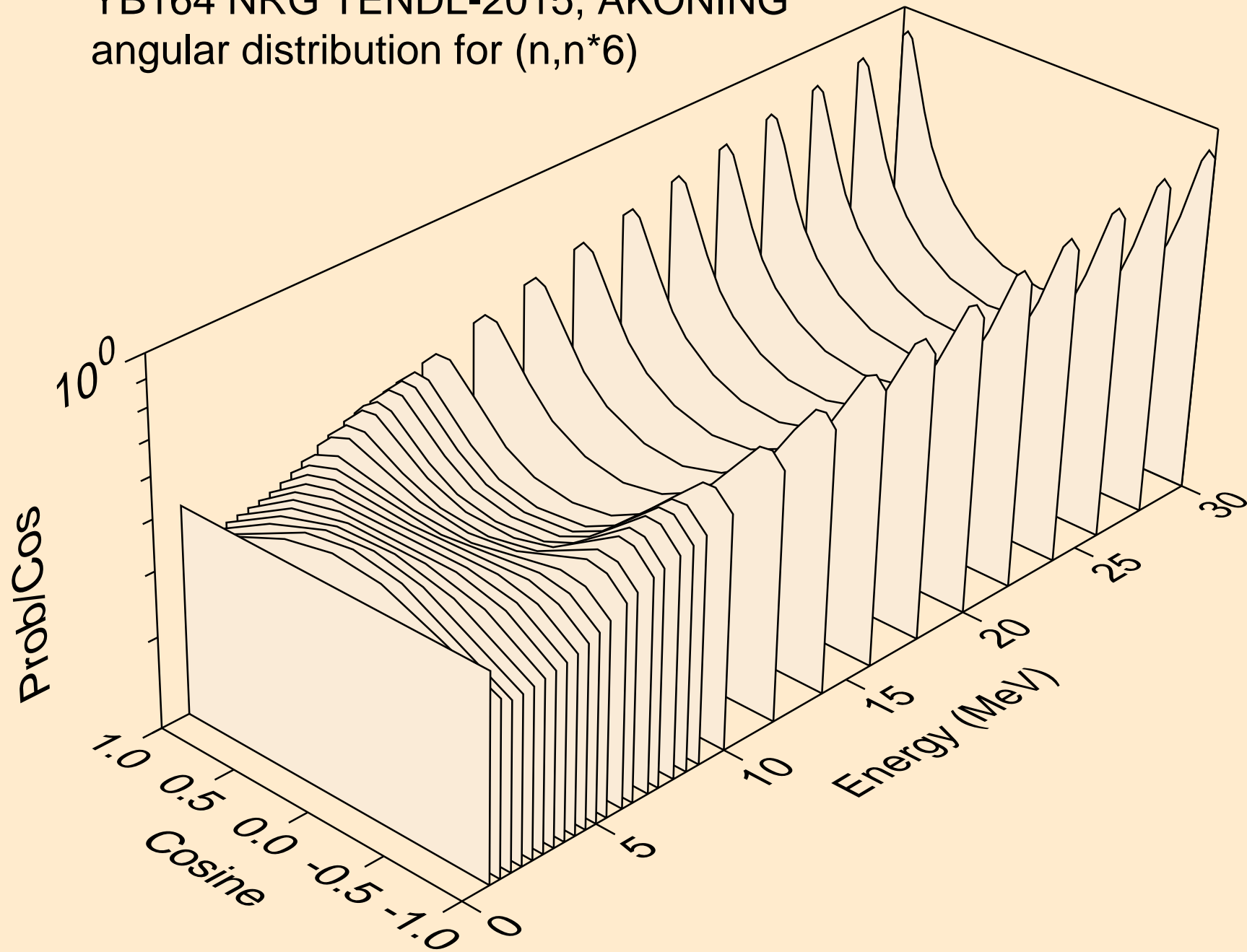
YB164 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



YB164 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)

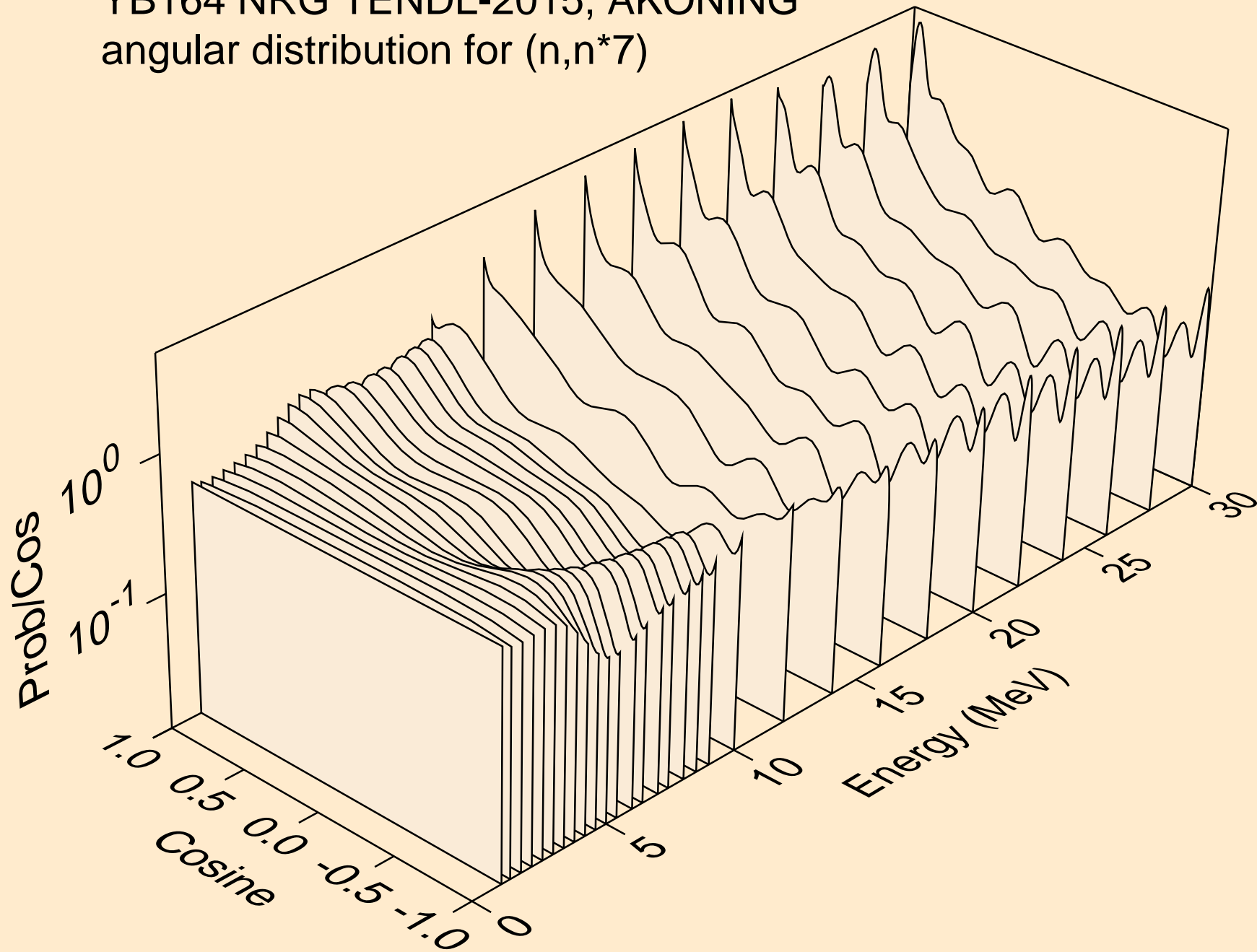


YB164 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)

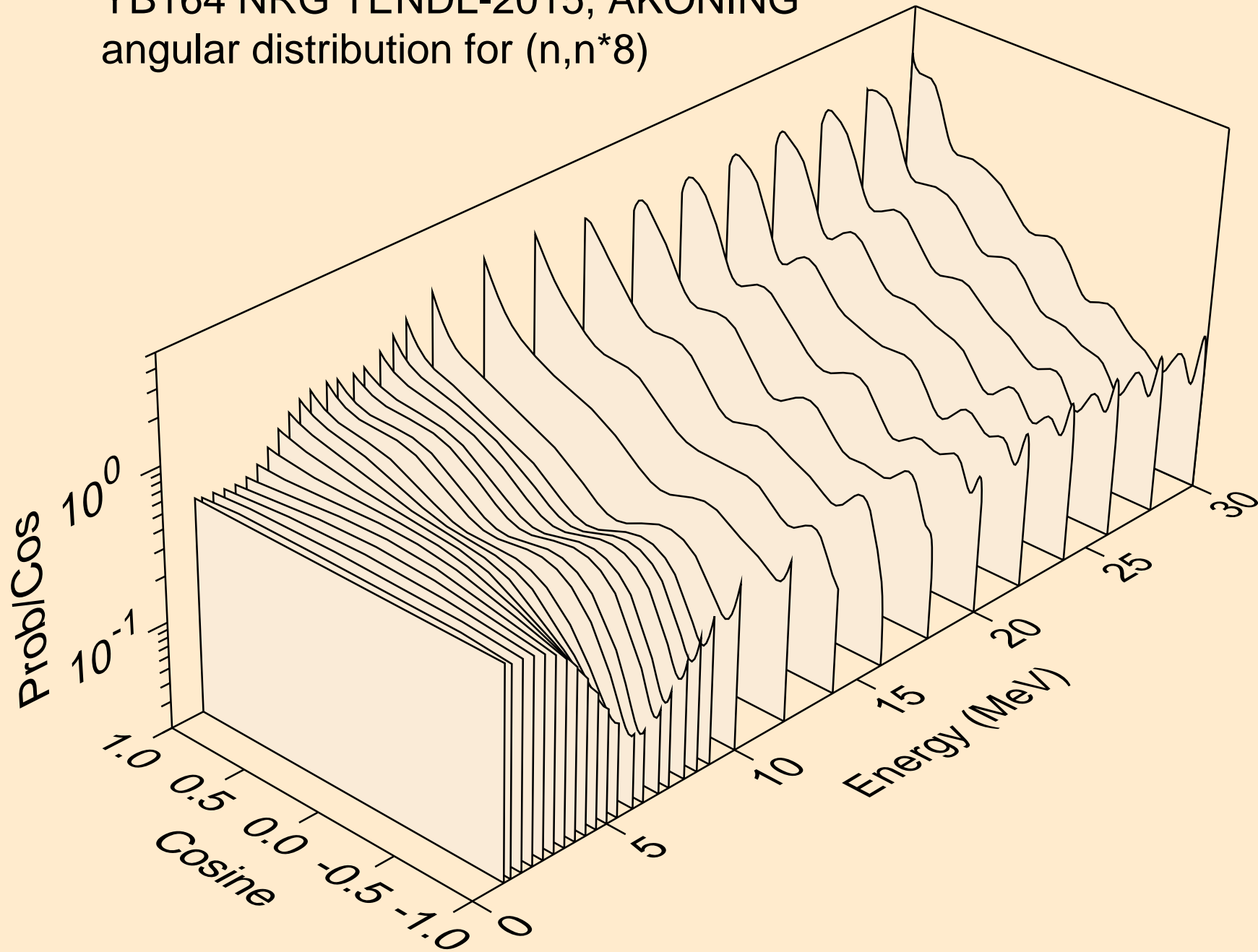




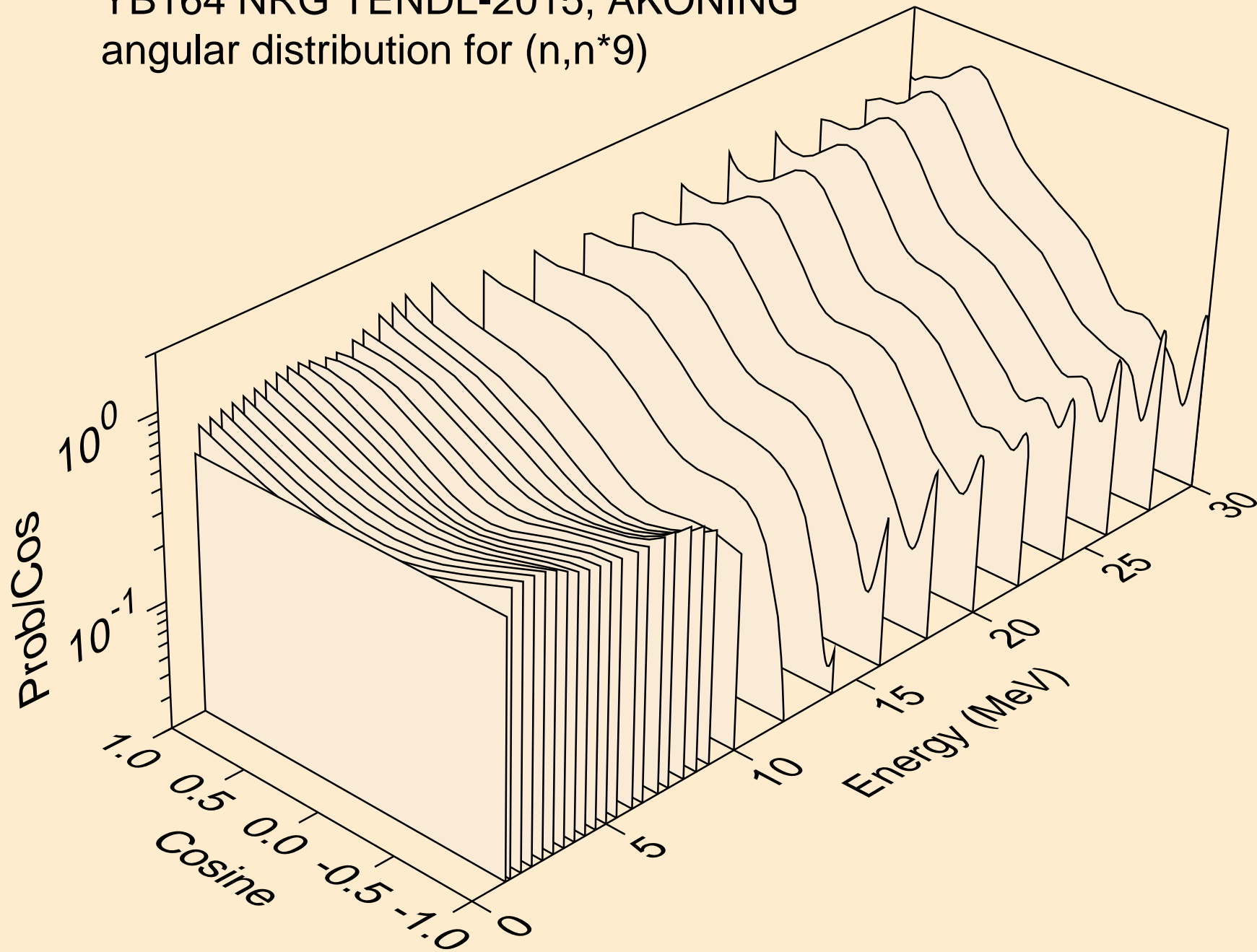
YB164 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



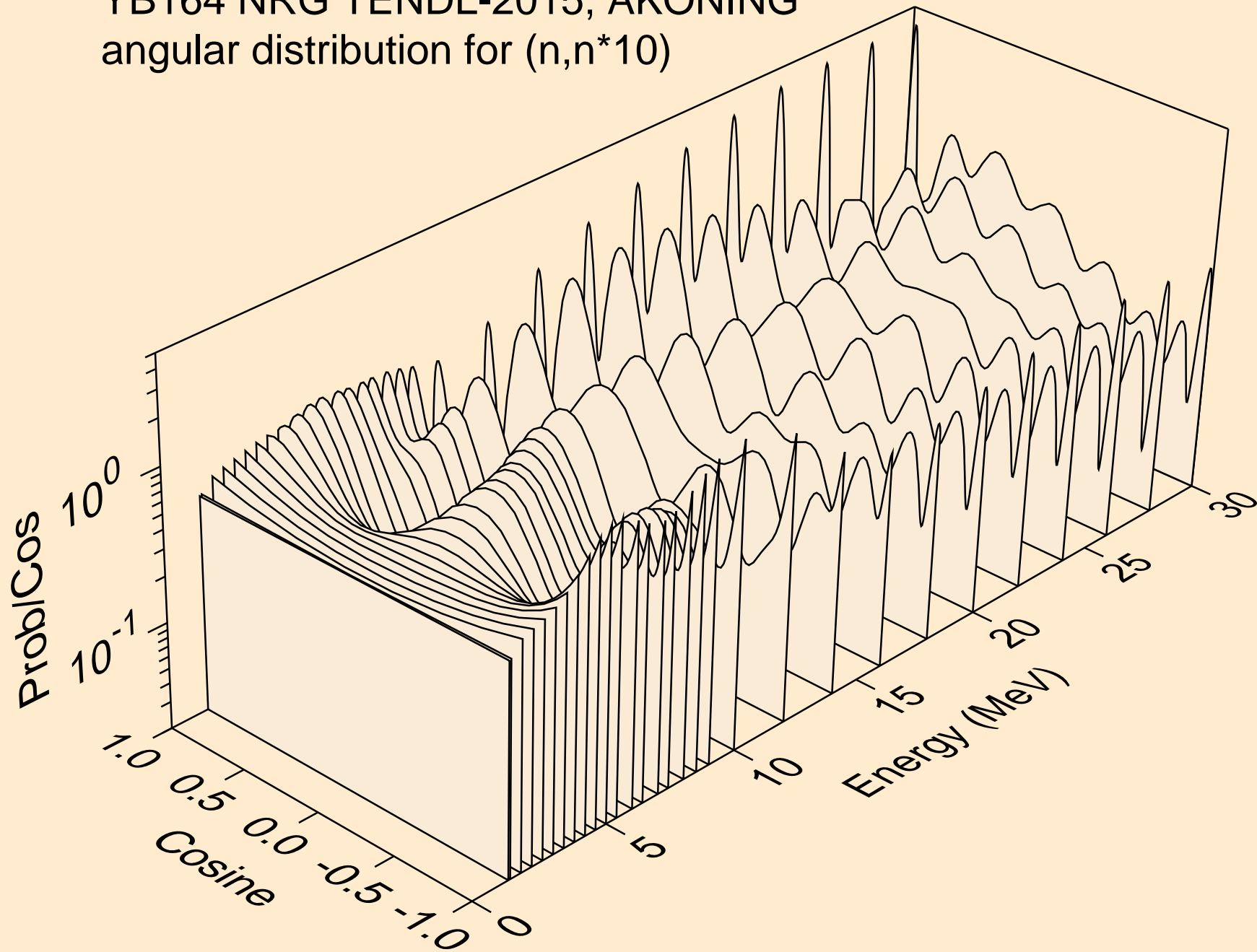
YB164 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)



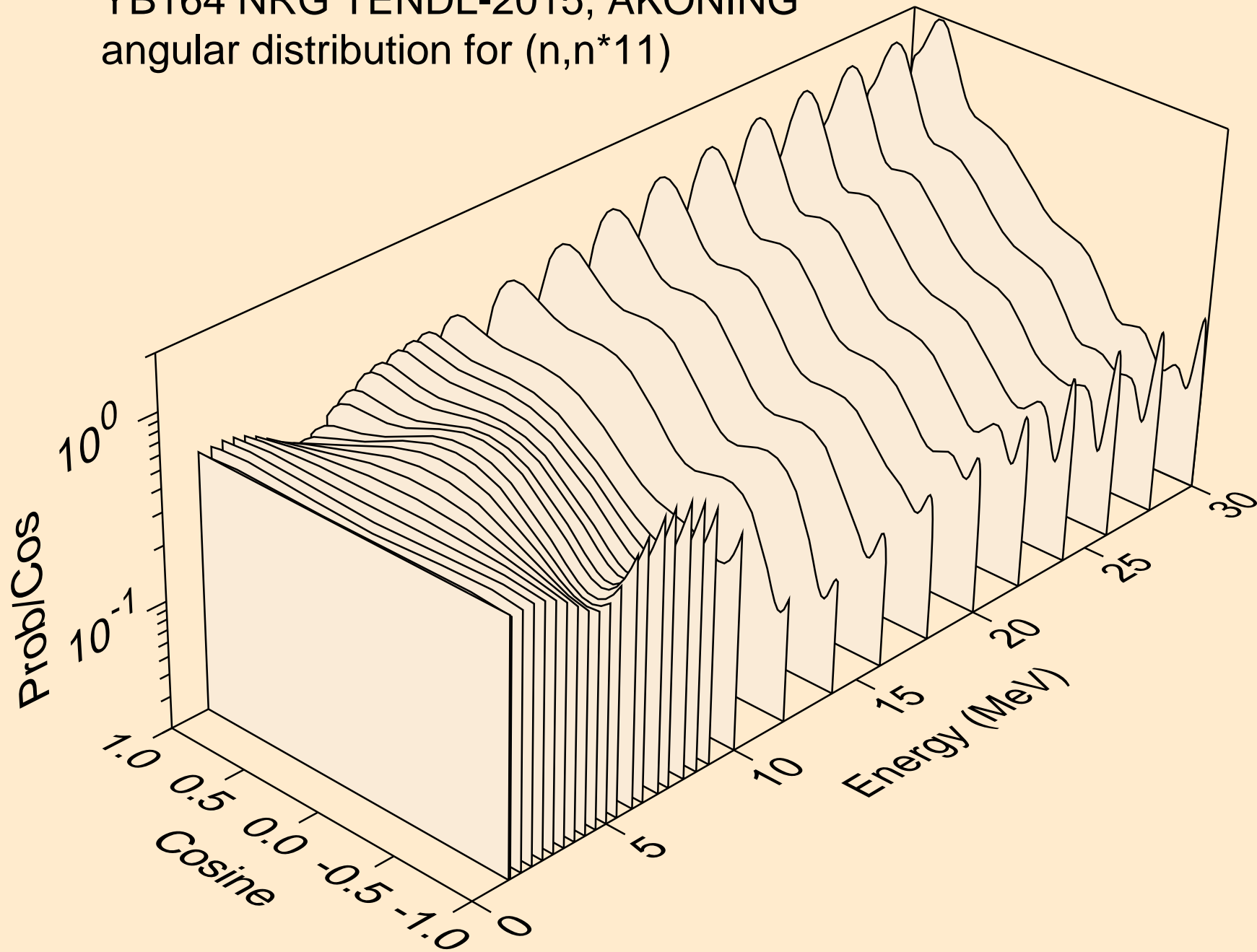
YB164 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



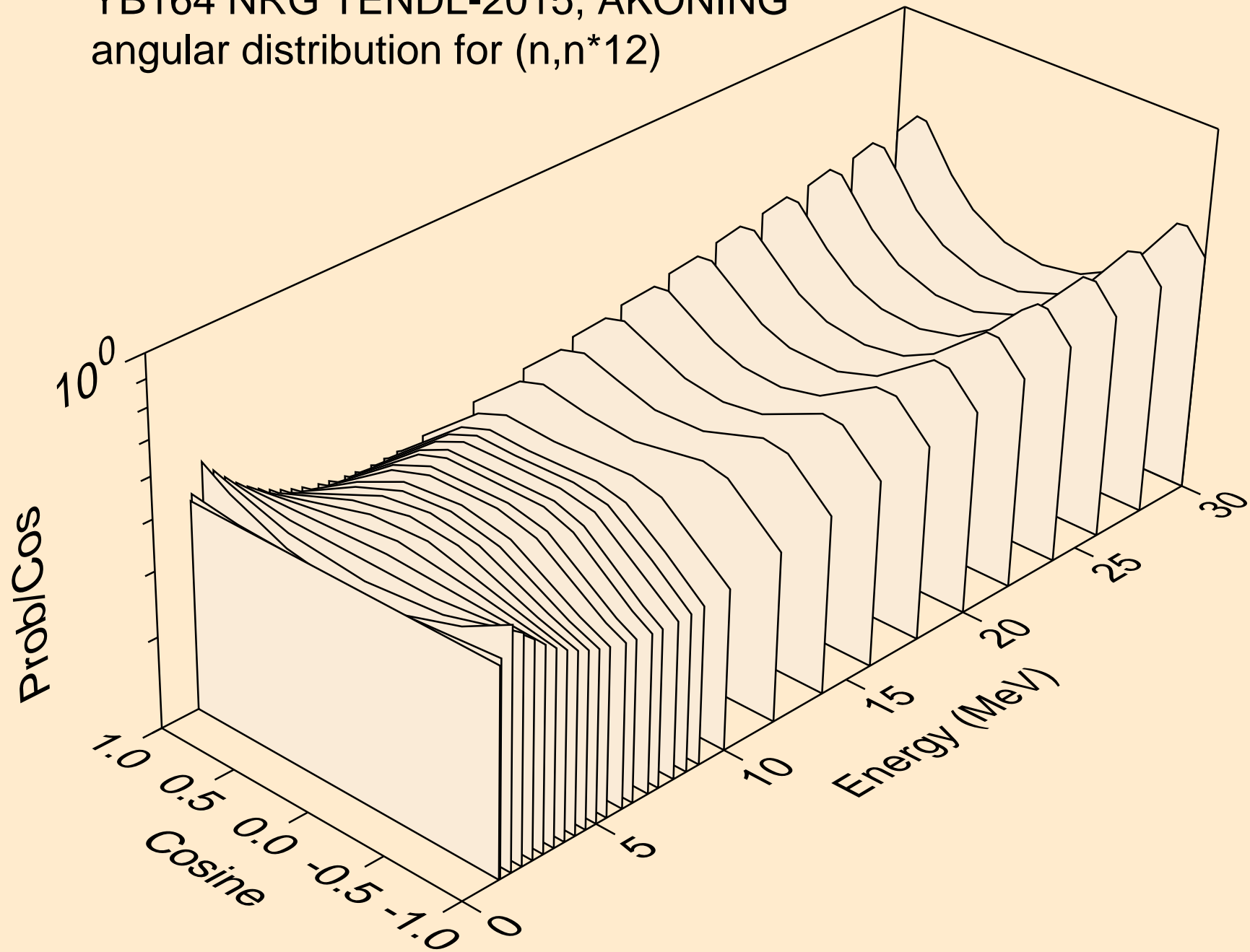
YB164 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



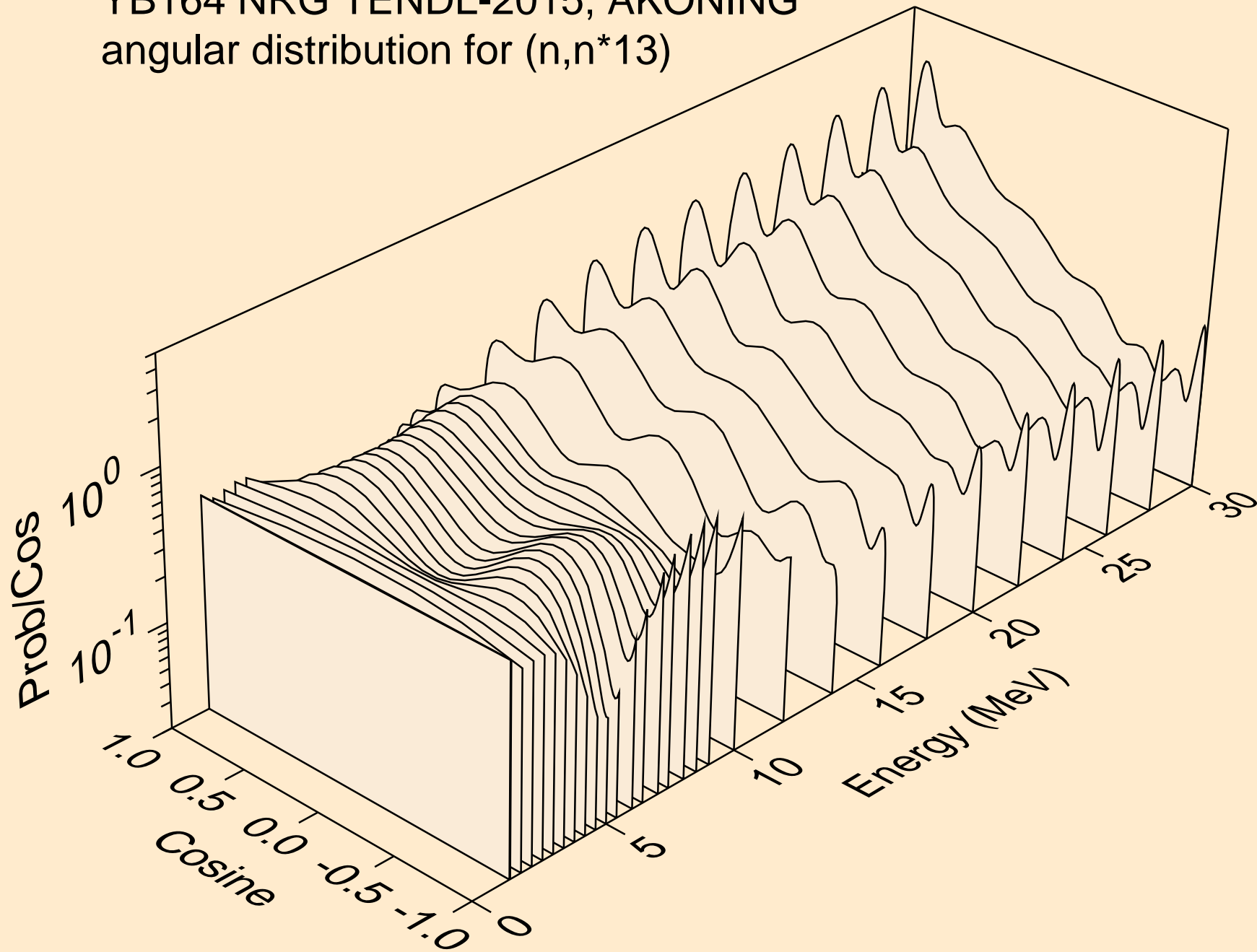
YB164 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



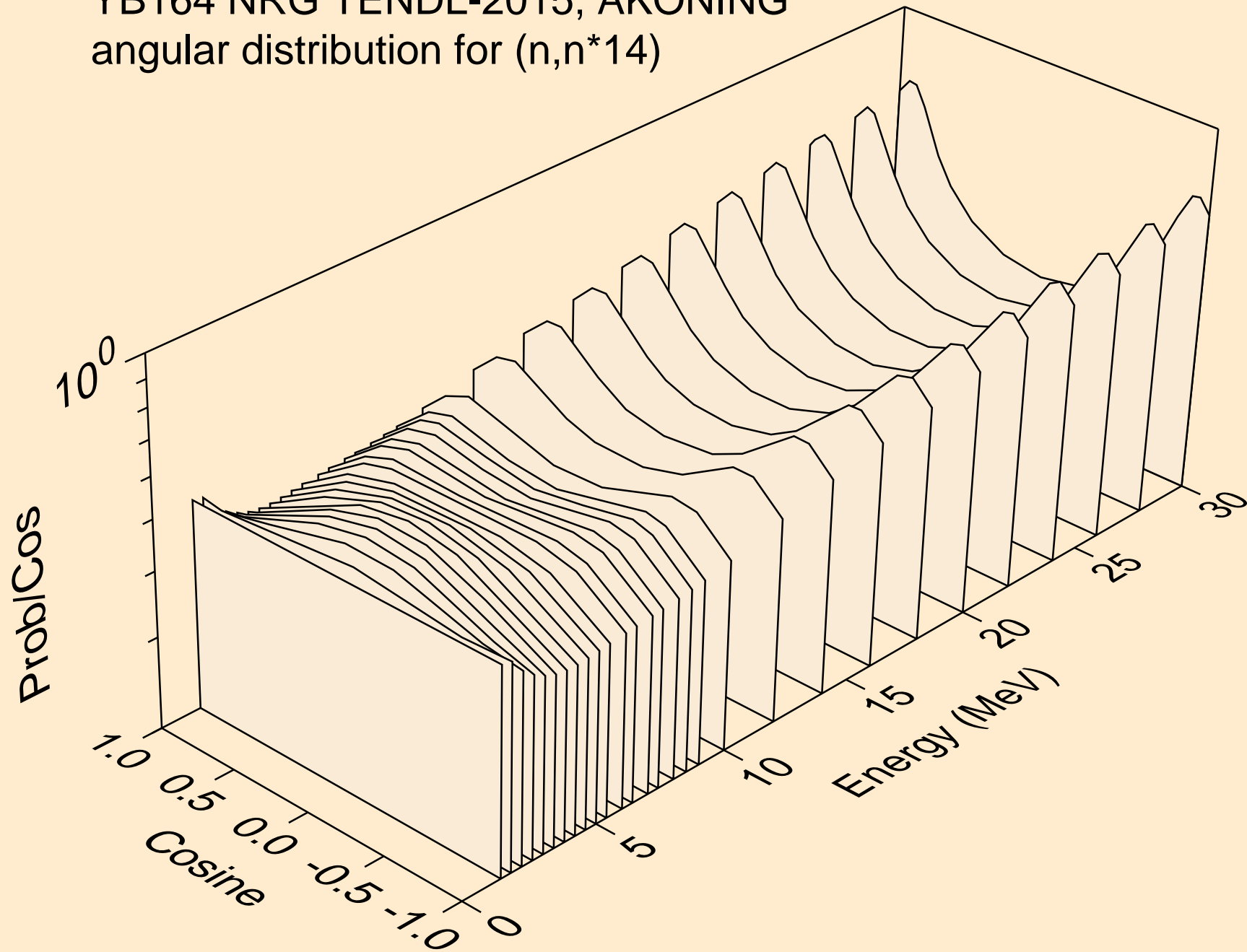
YB164 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



YB164 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)

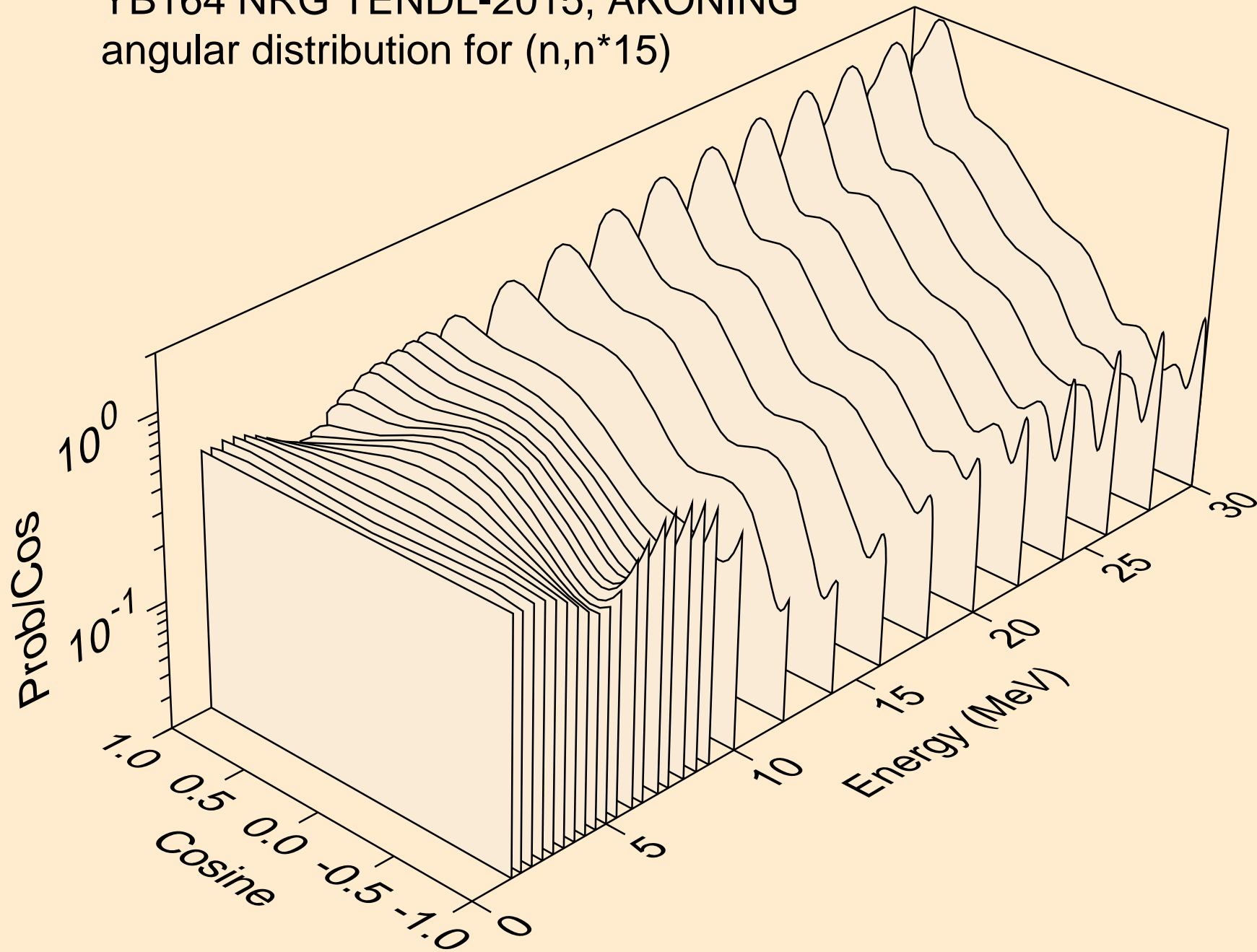


YB164 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)

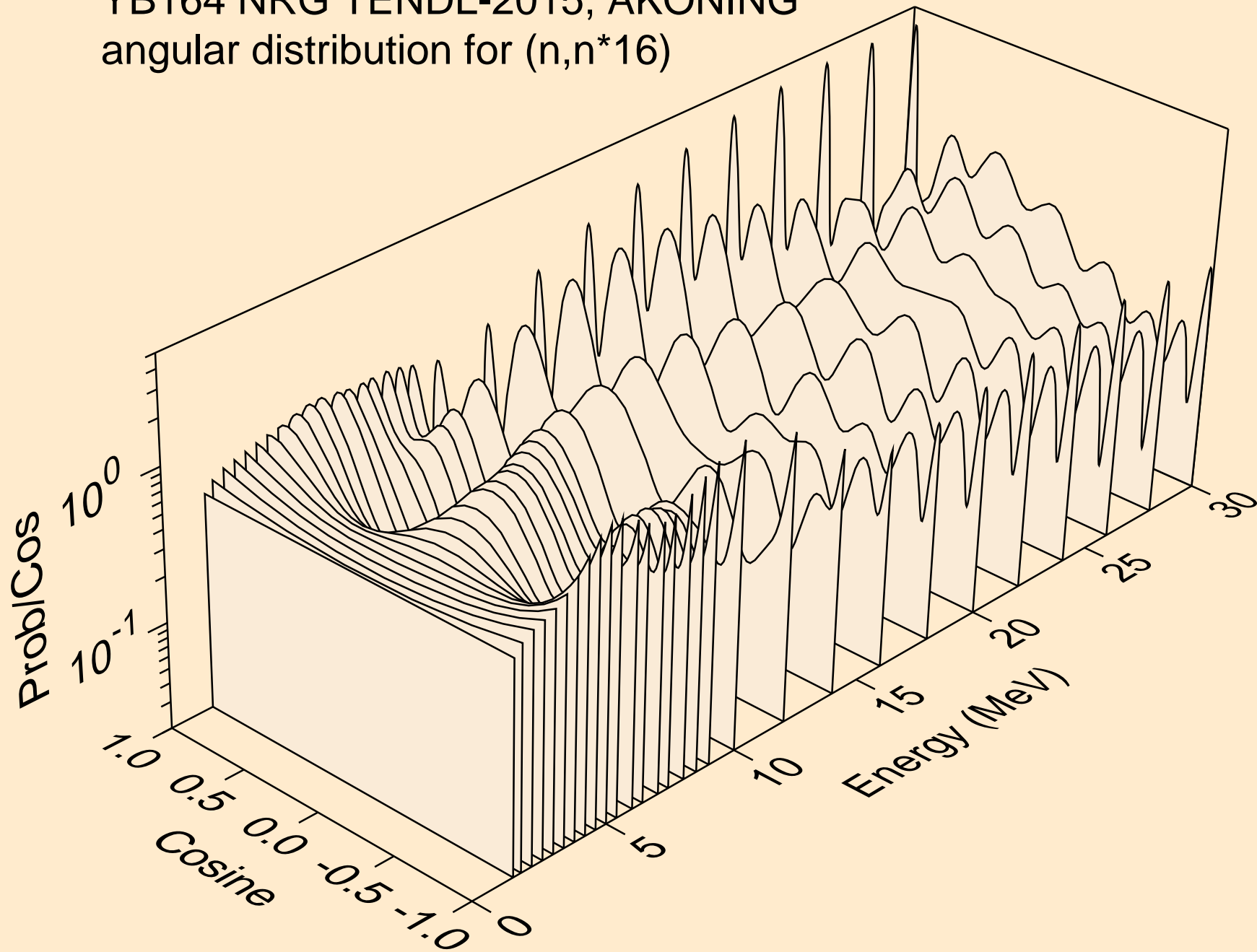




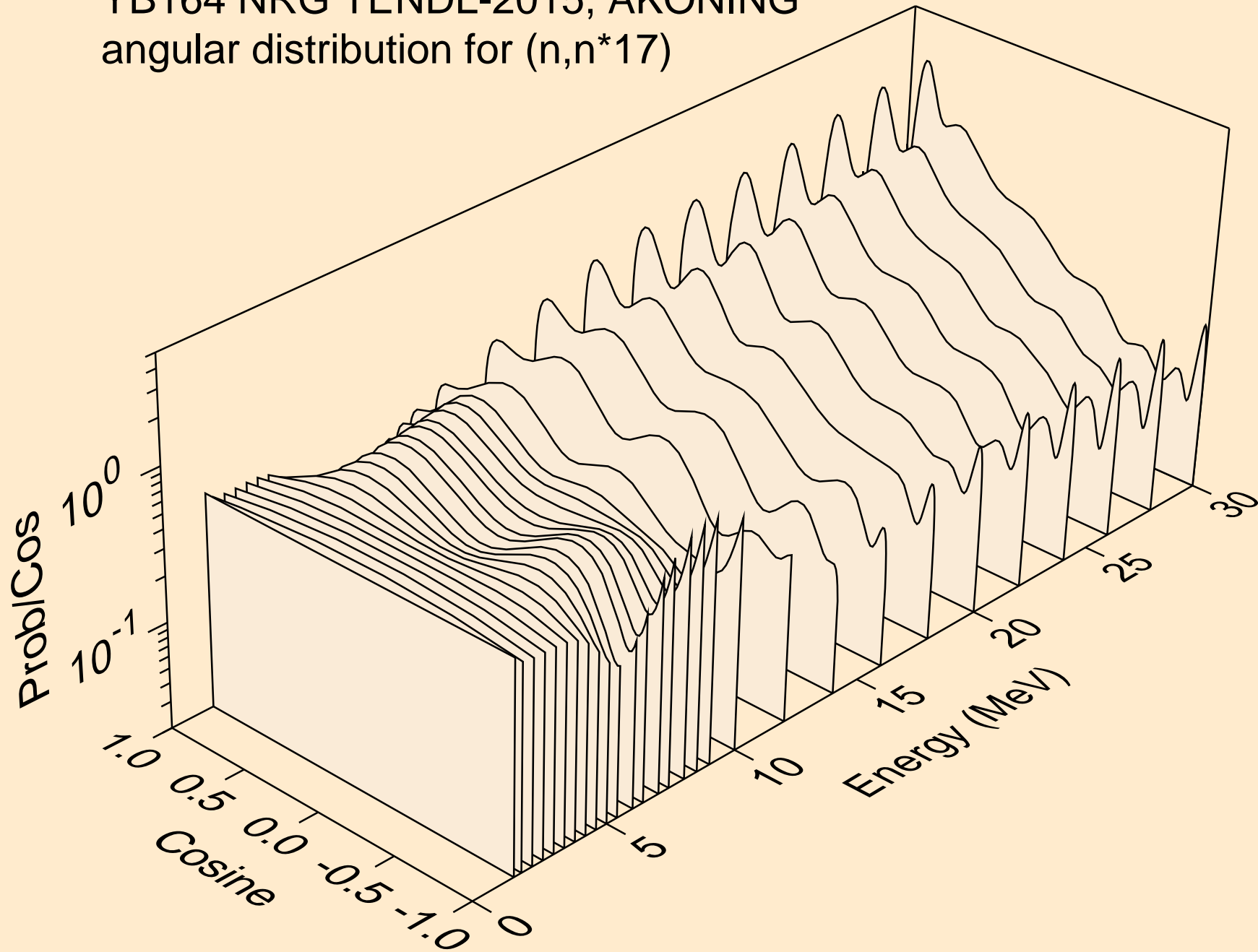
YB164 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



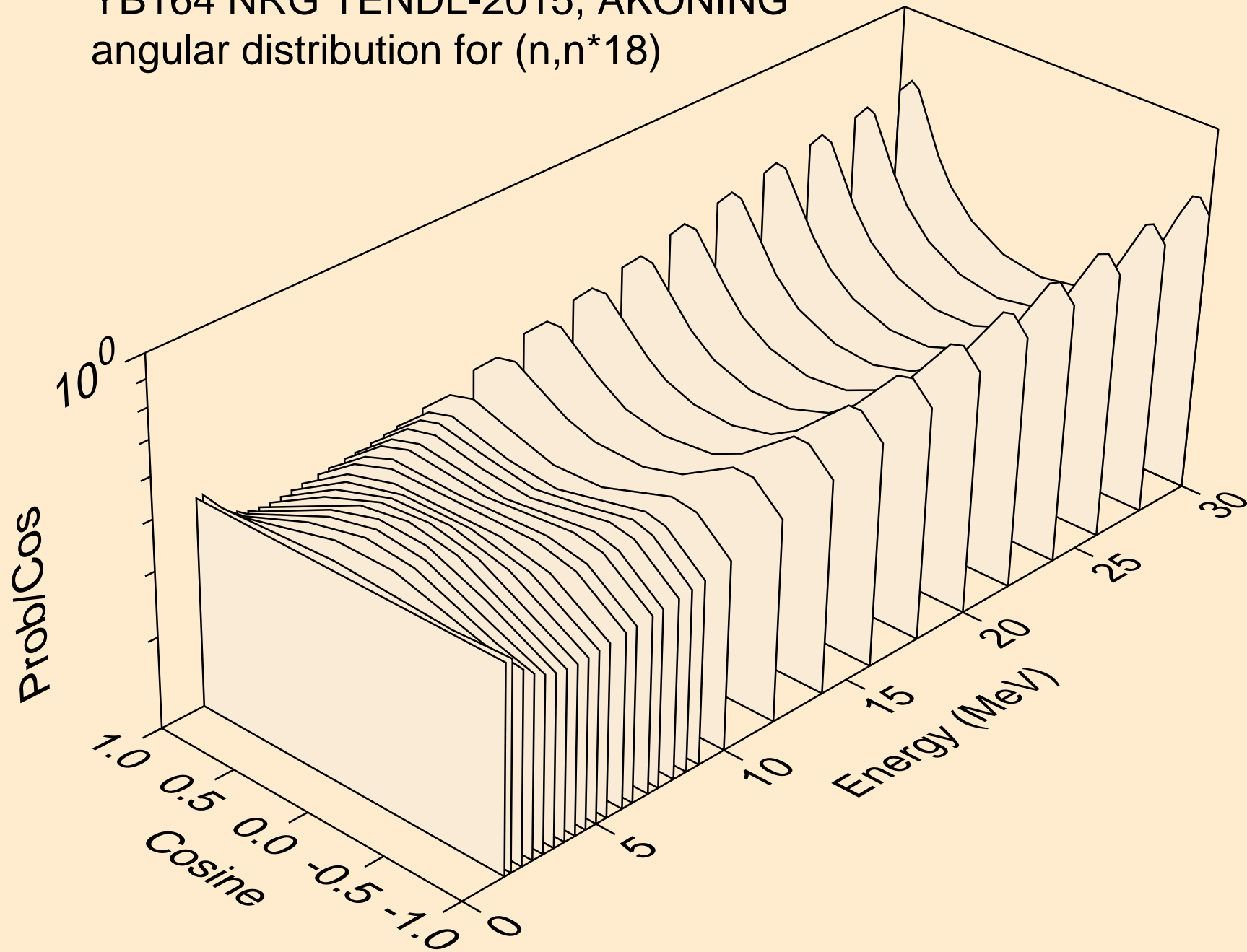
YB164 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)



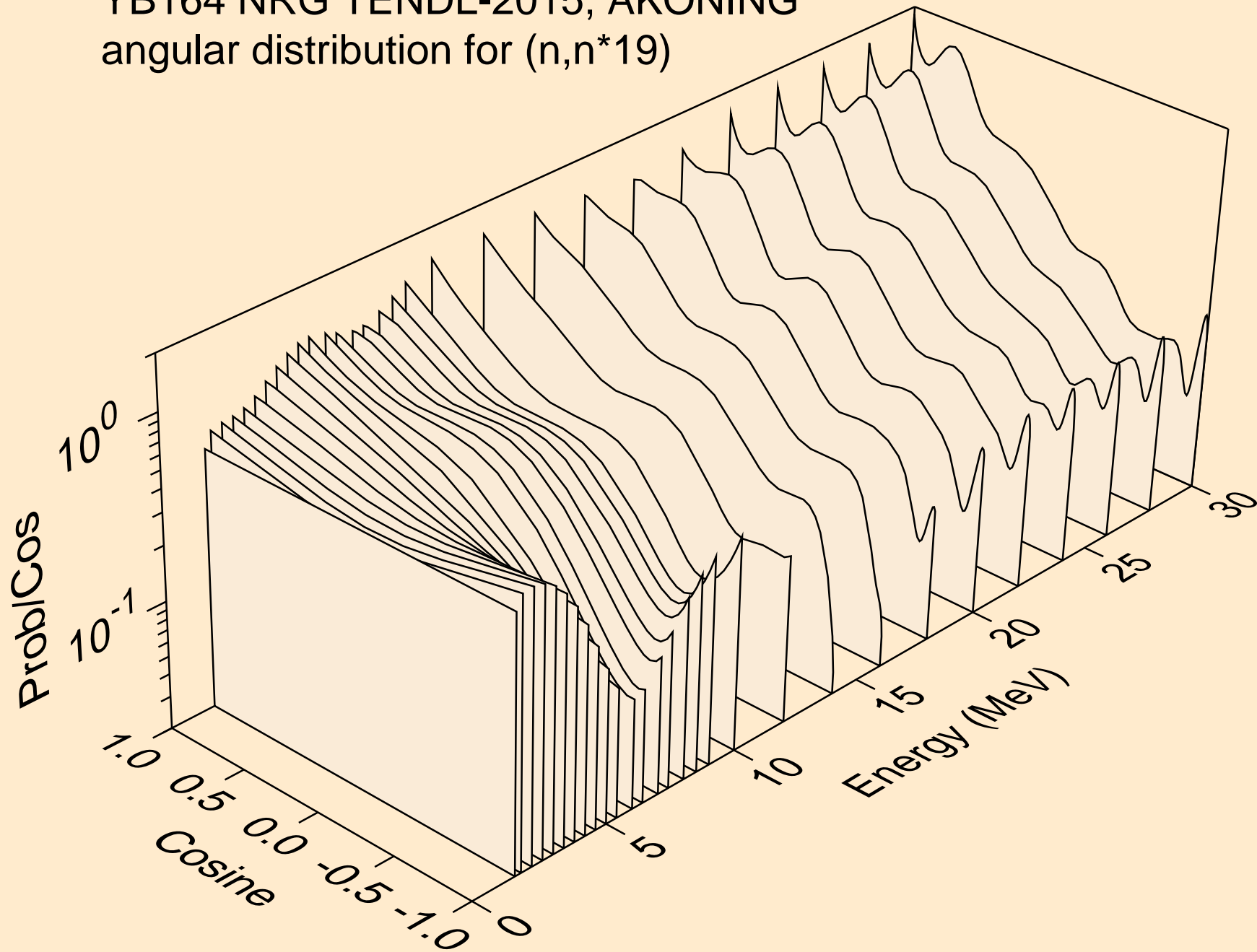
YB164 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



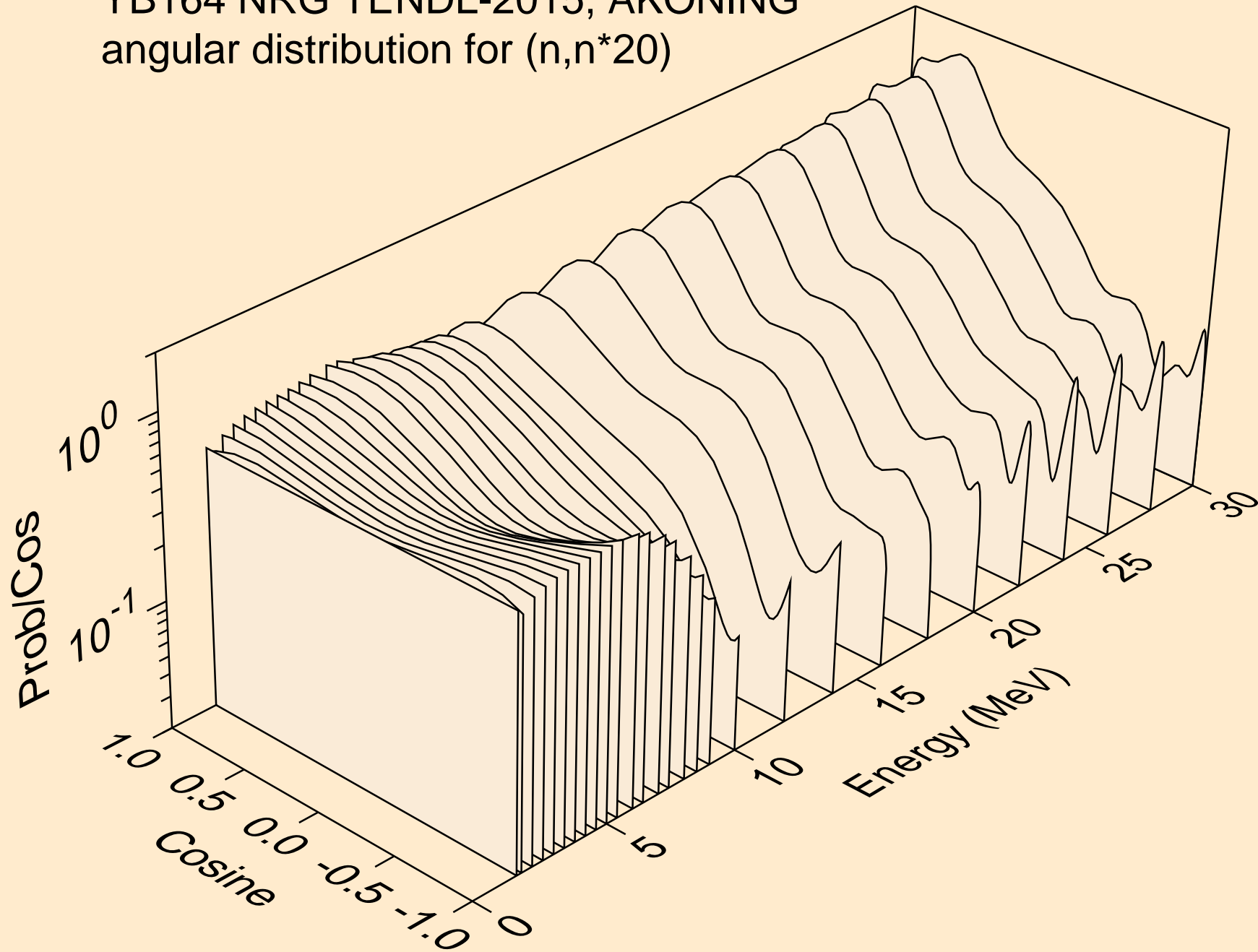
YB164 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



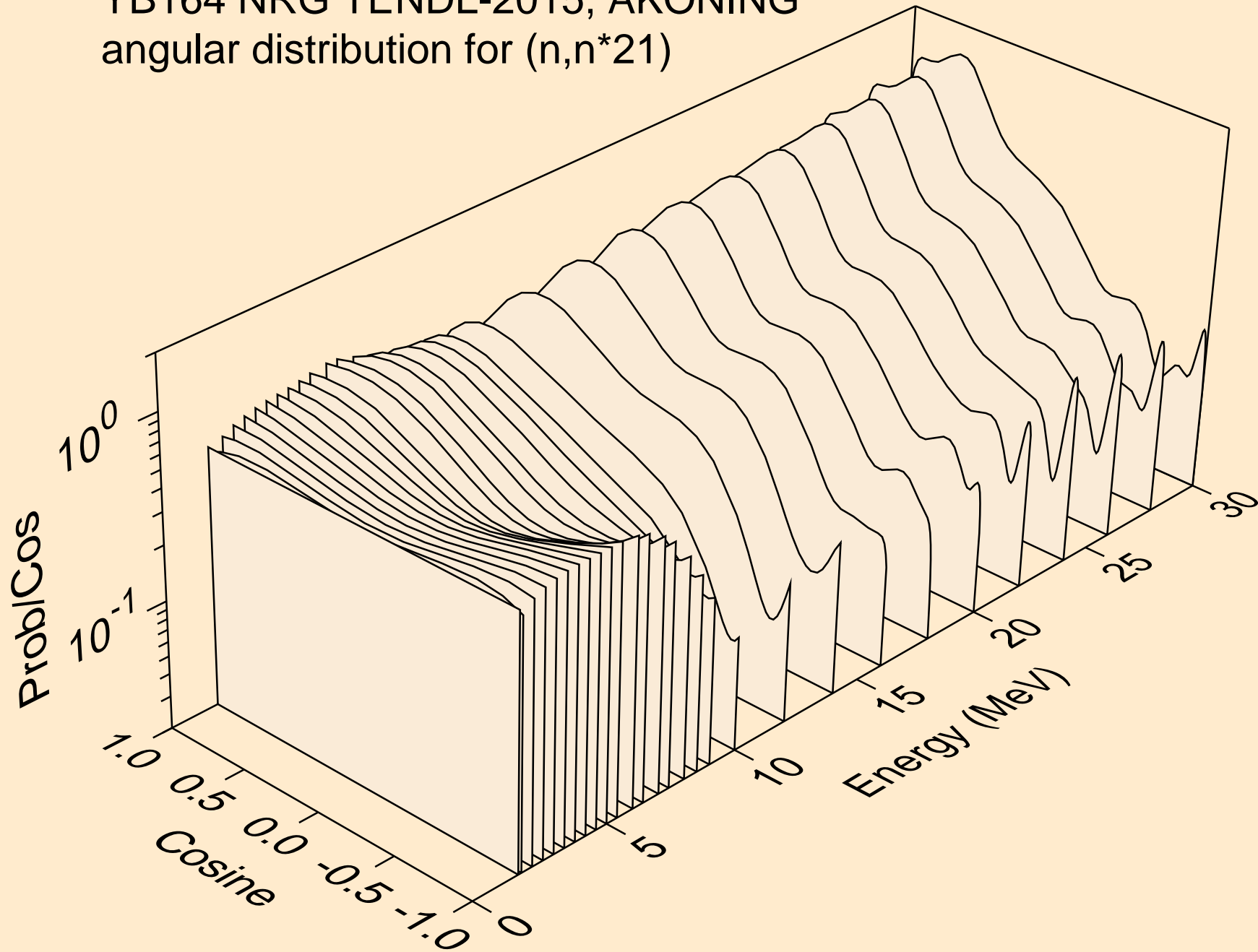
YB164 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



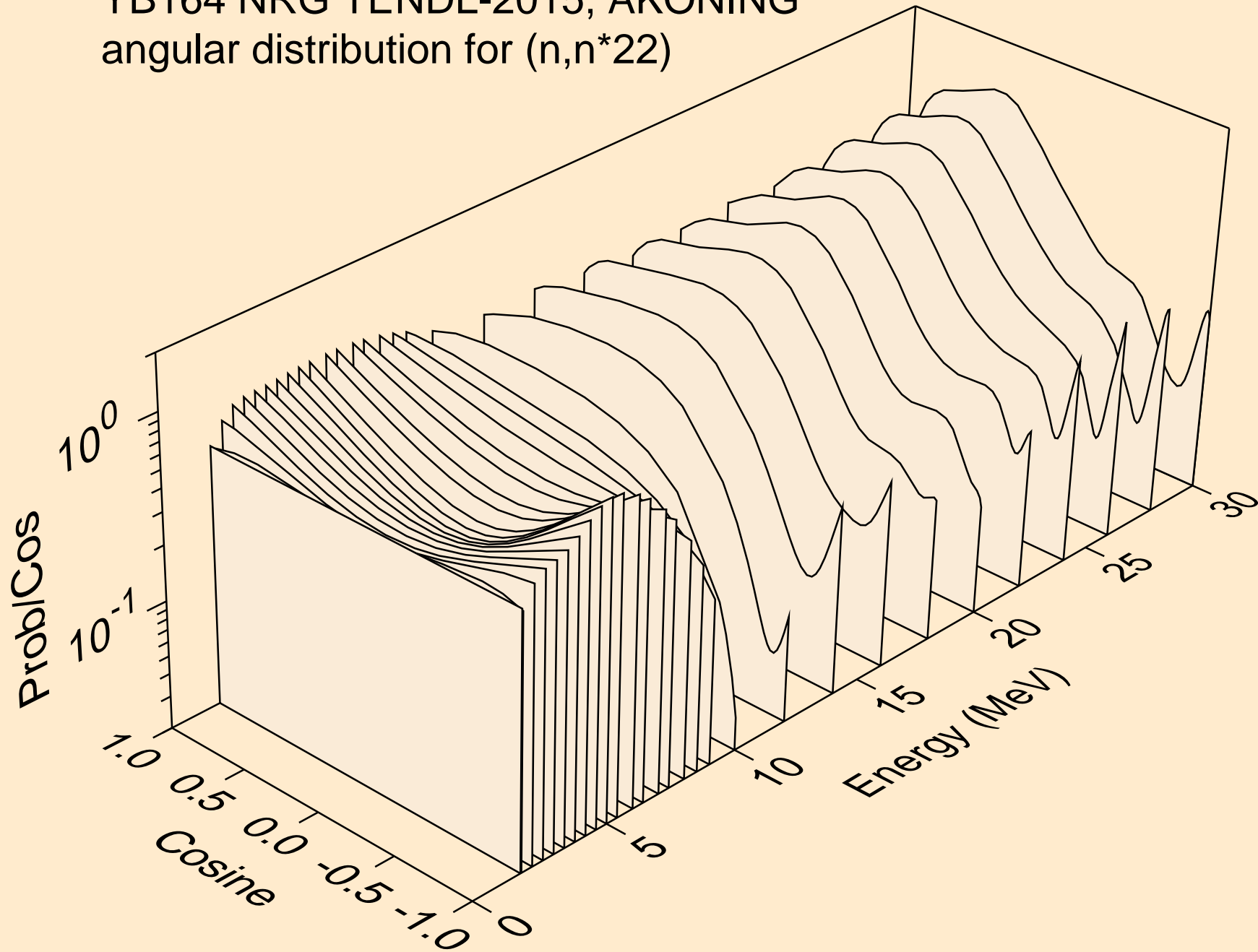
YB164 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



YB164 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)

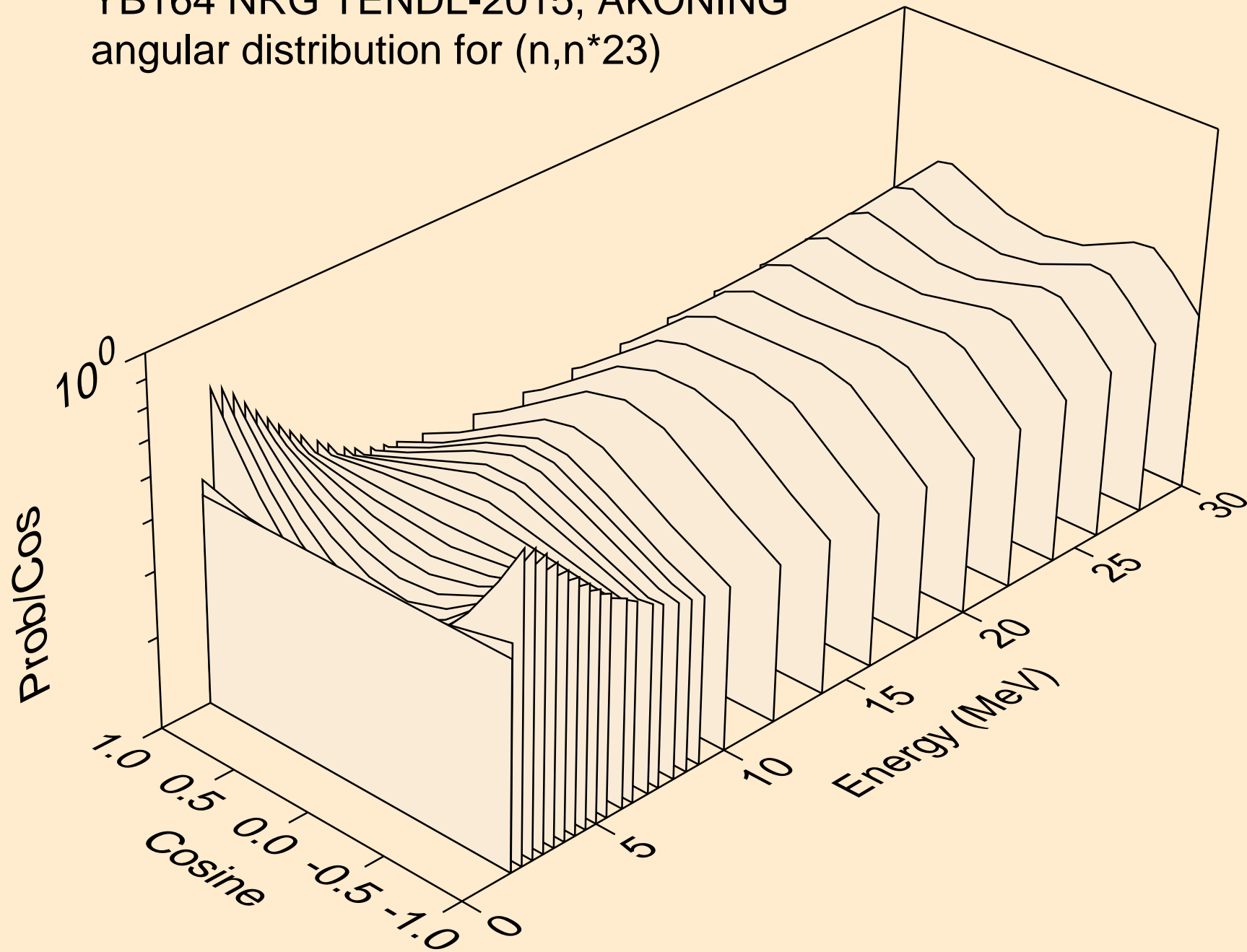


YB164 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)

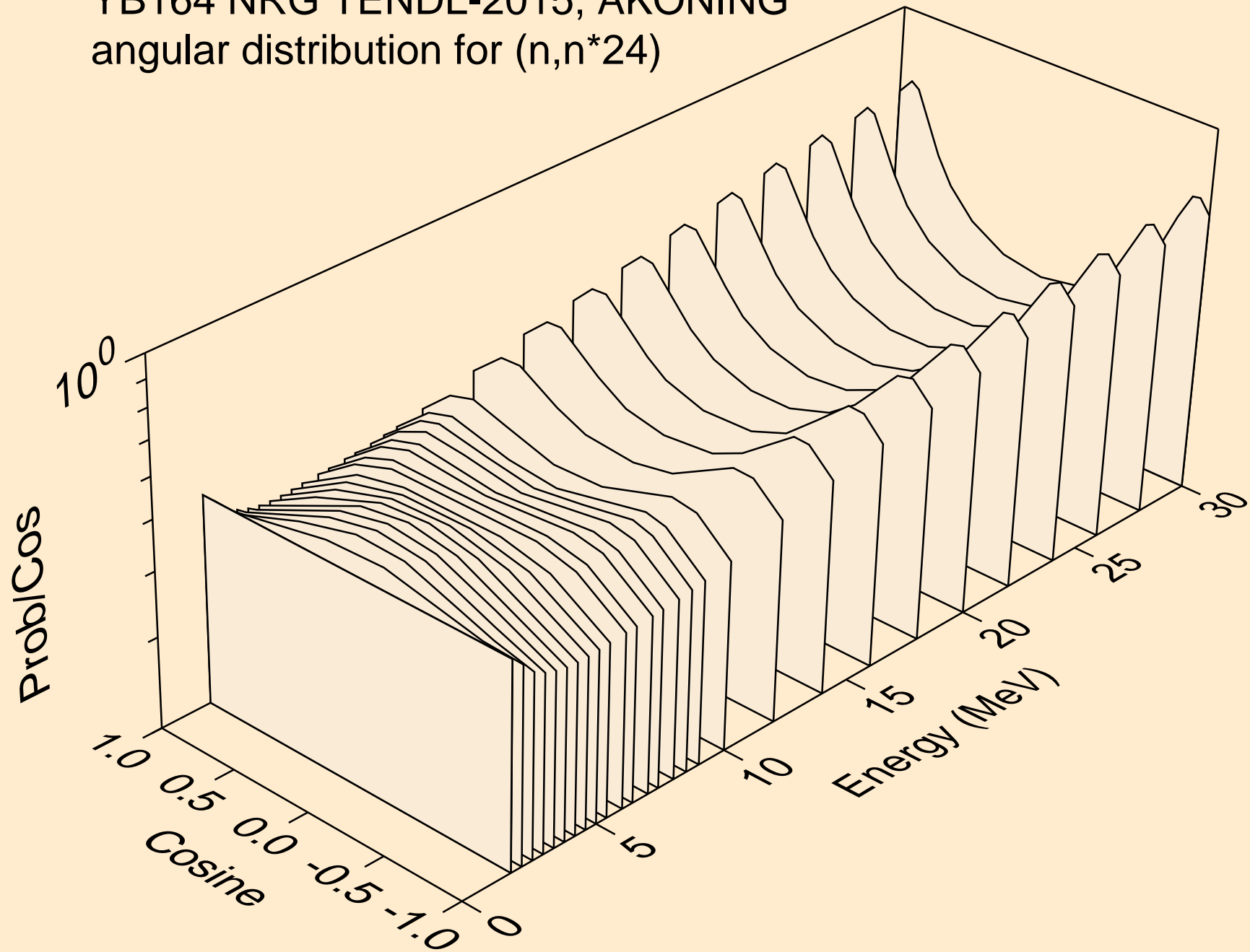




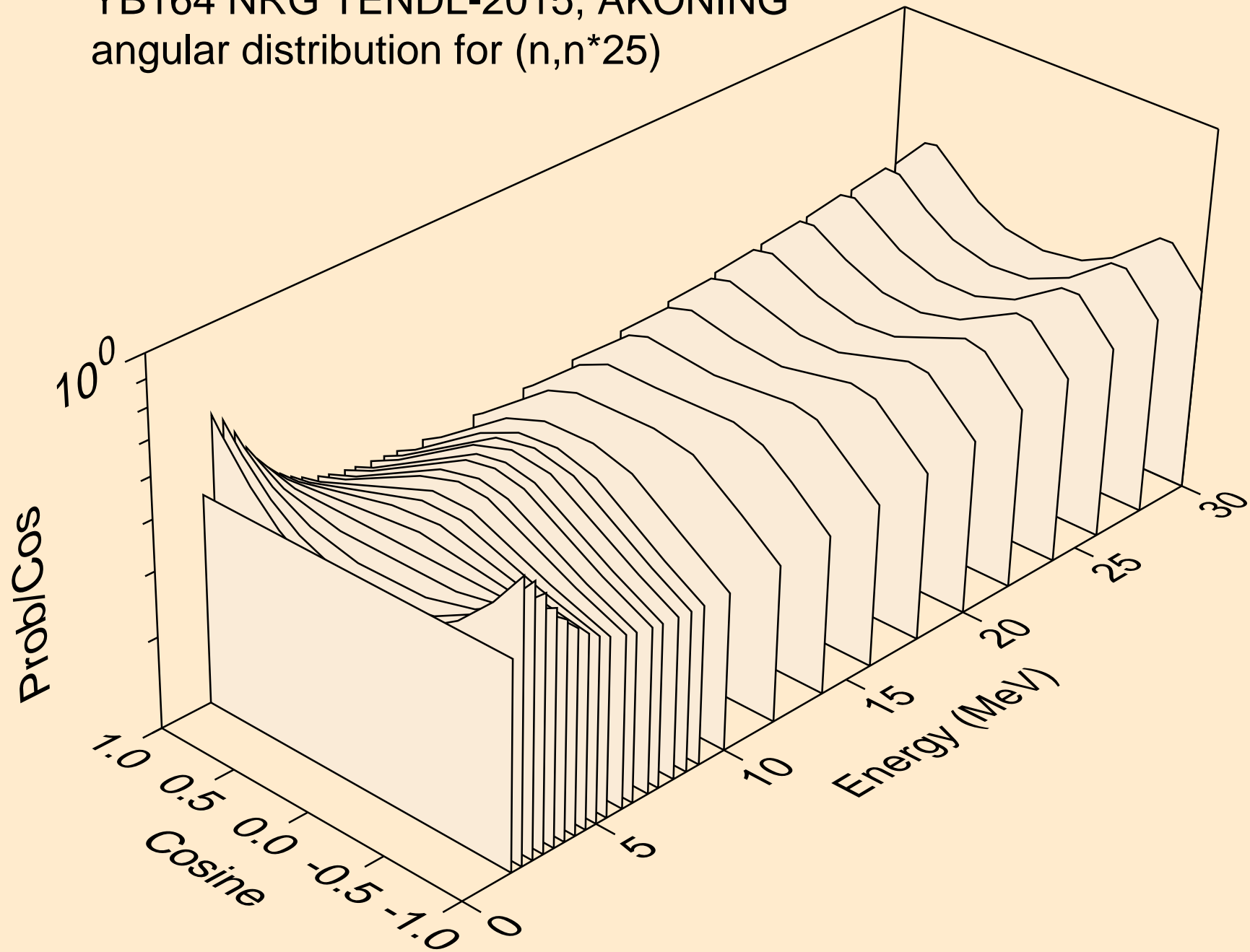
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angular distribution for (n,n\*23)



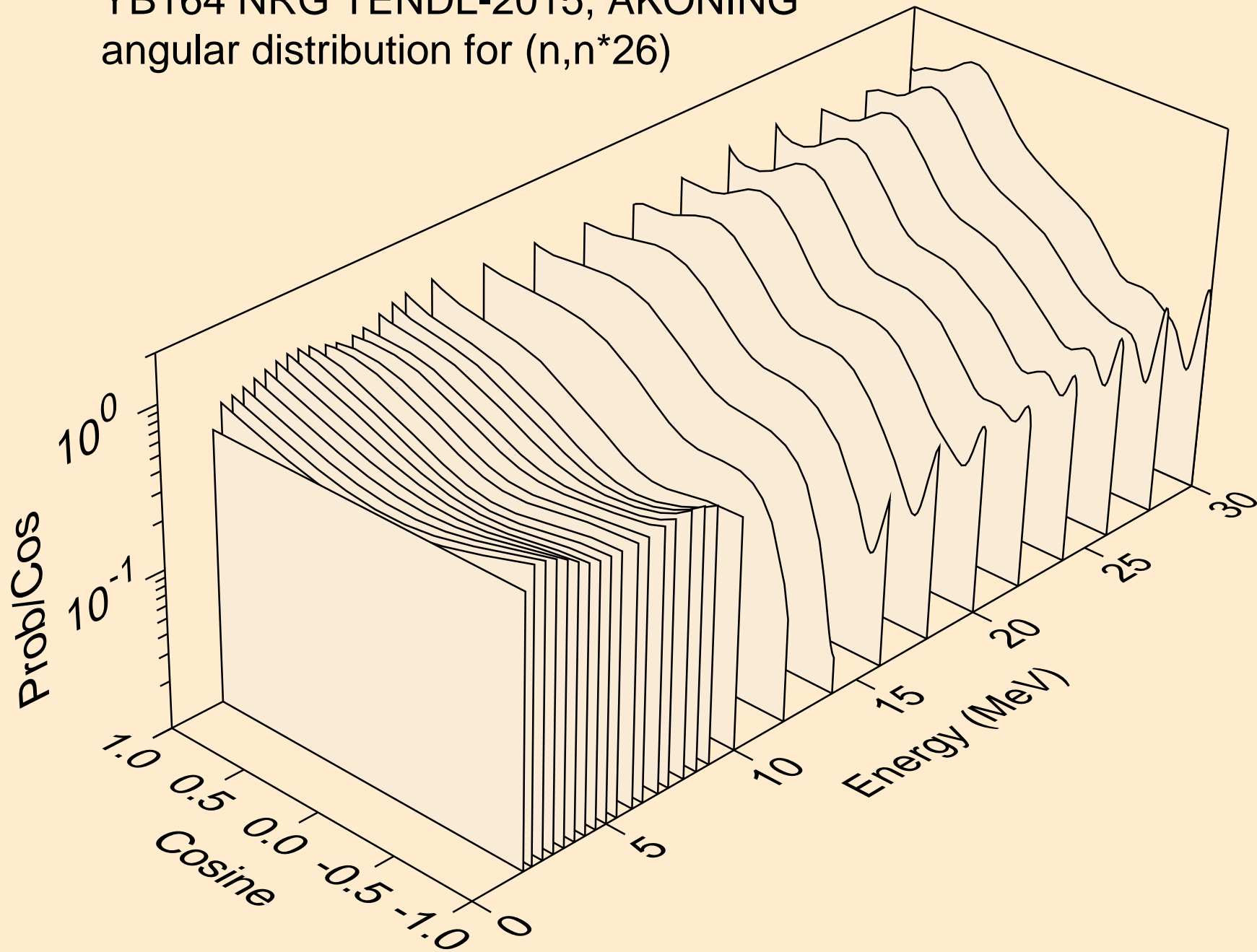
YB164 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)



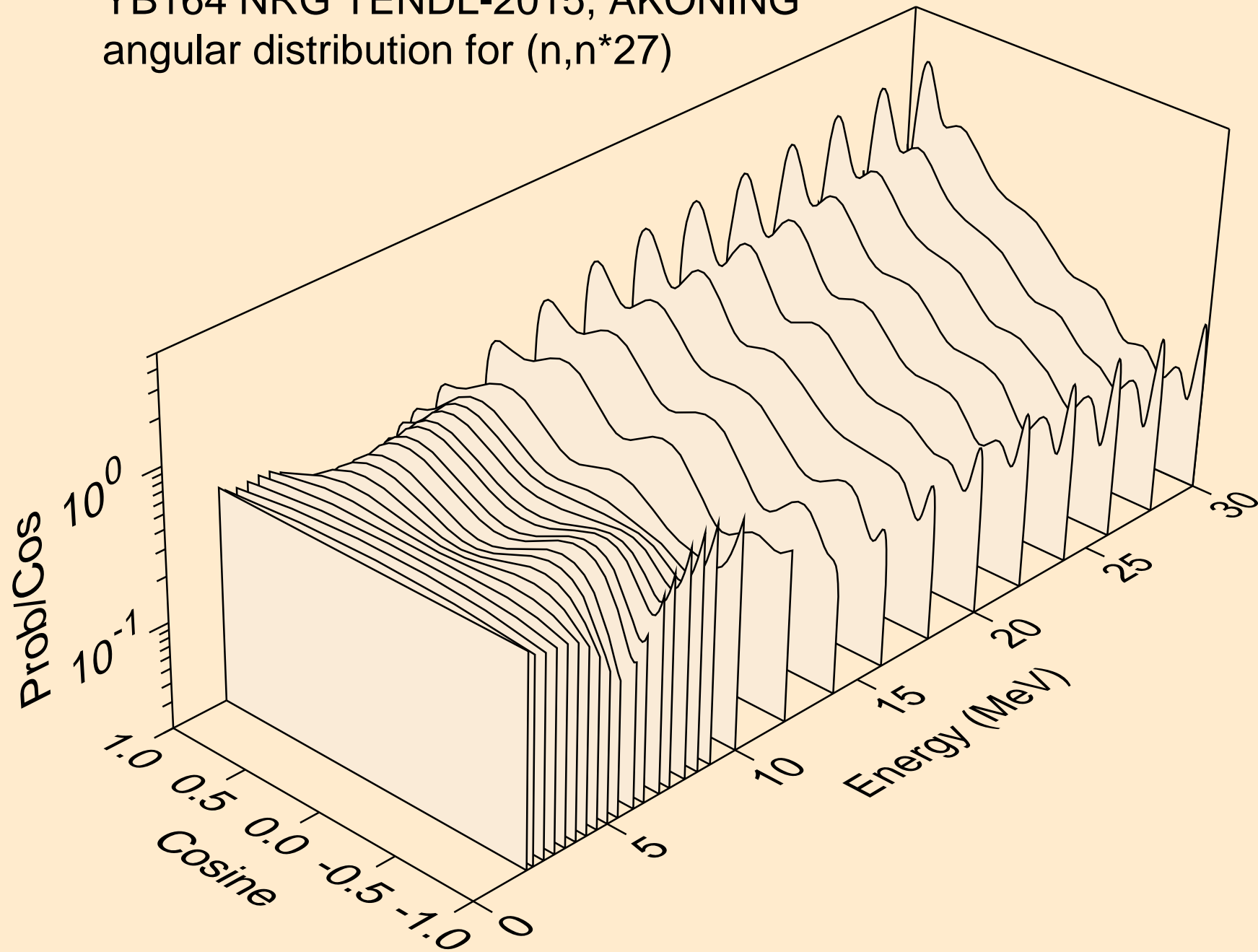
YB164 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



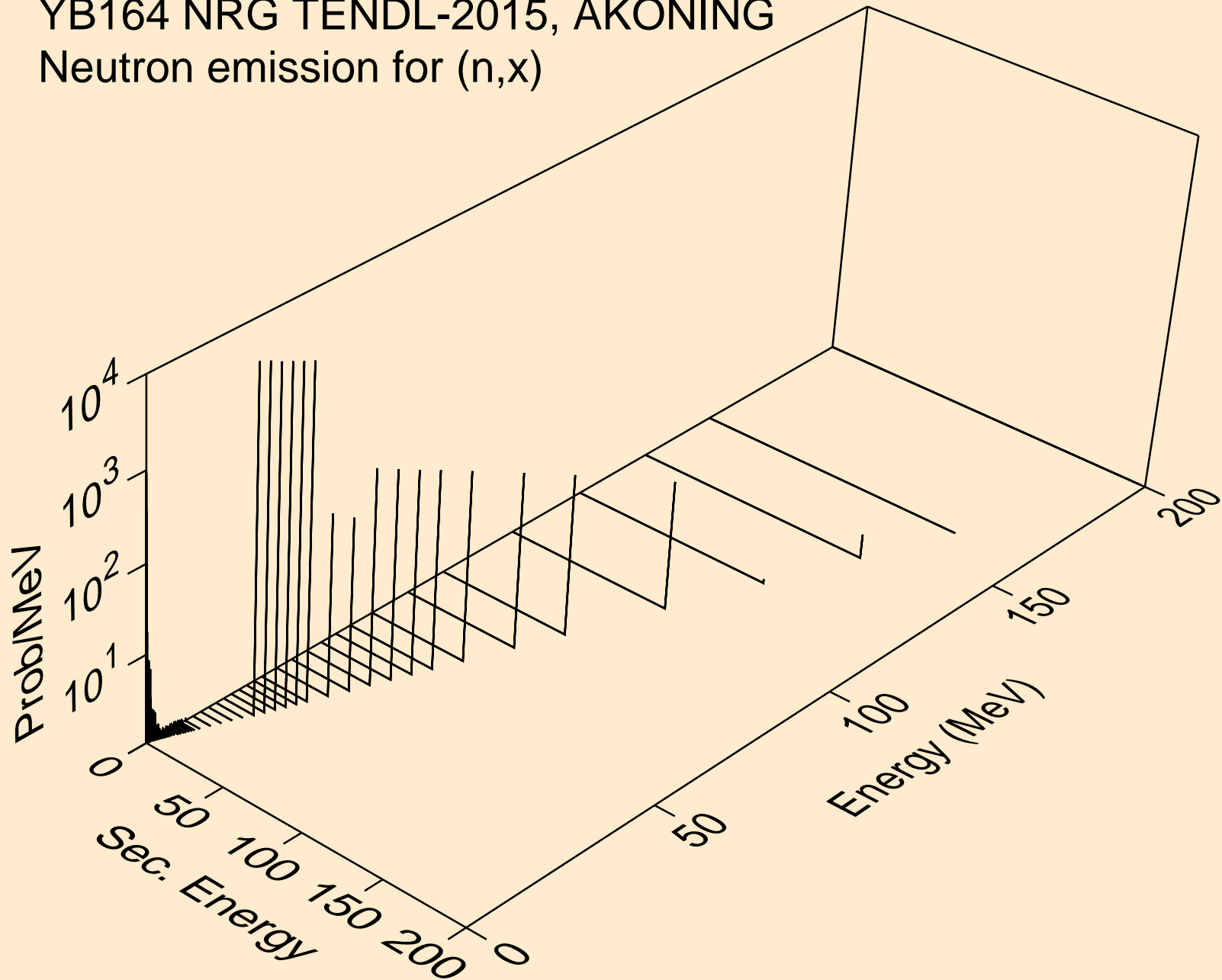
YB164 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



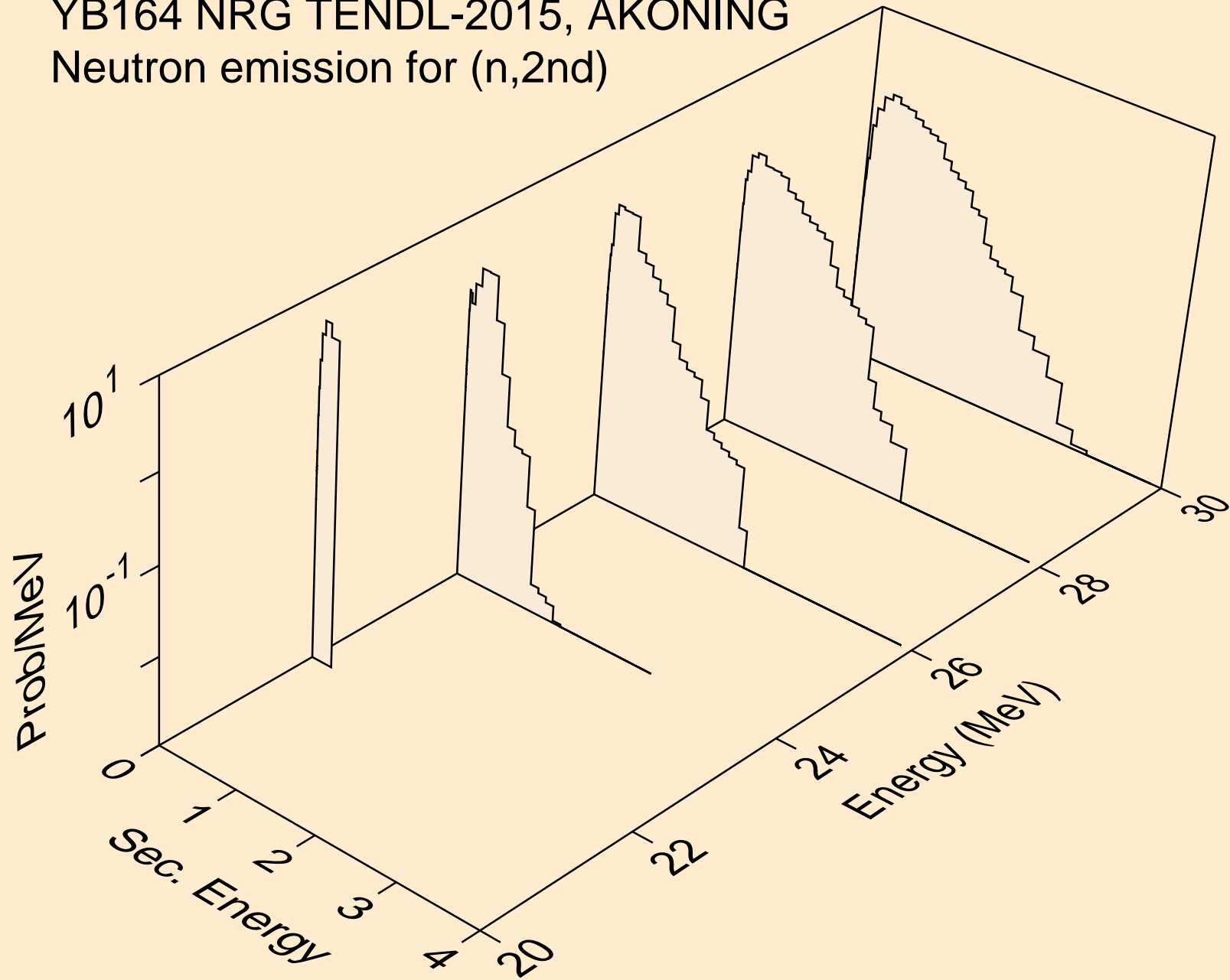
YB164 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*27)



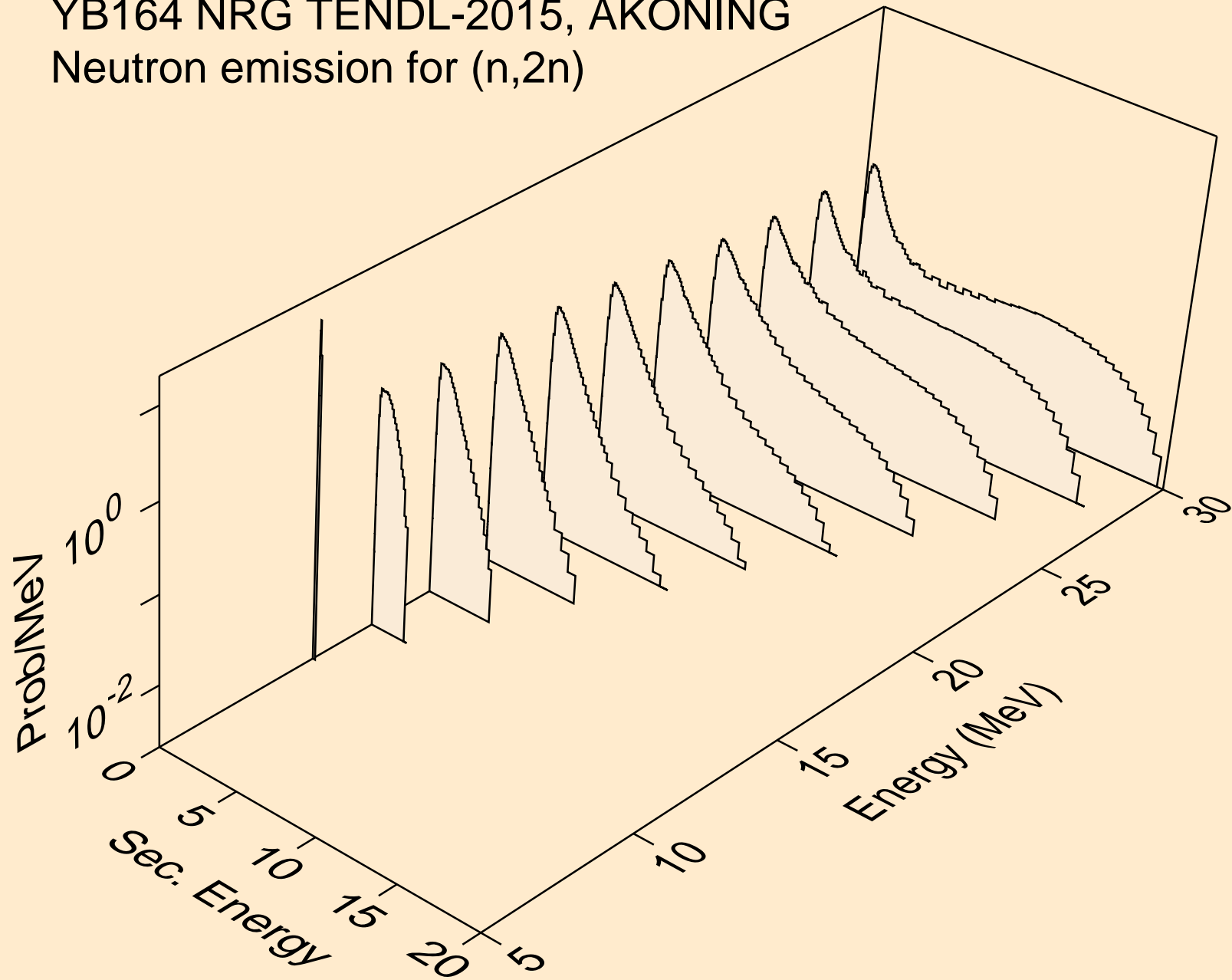
YB164 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



YB164 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)

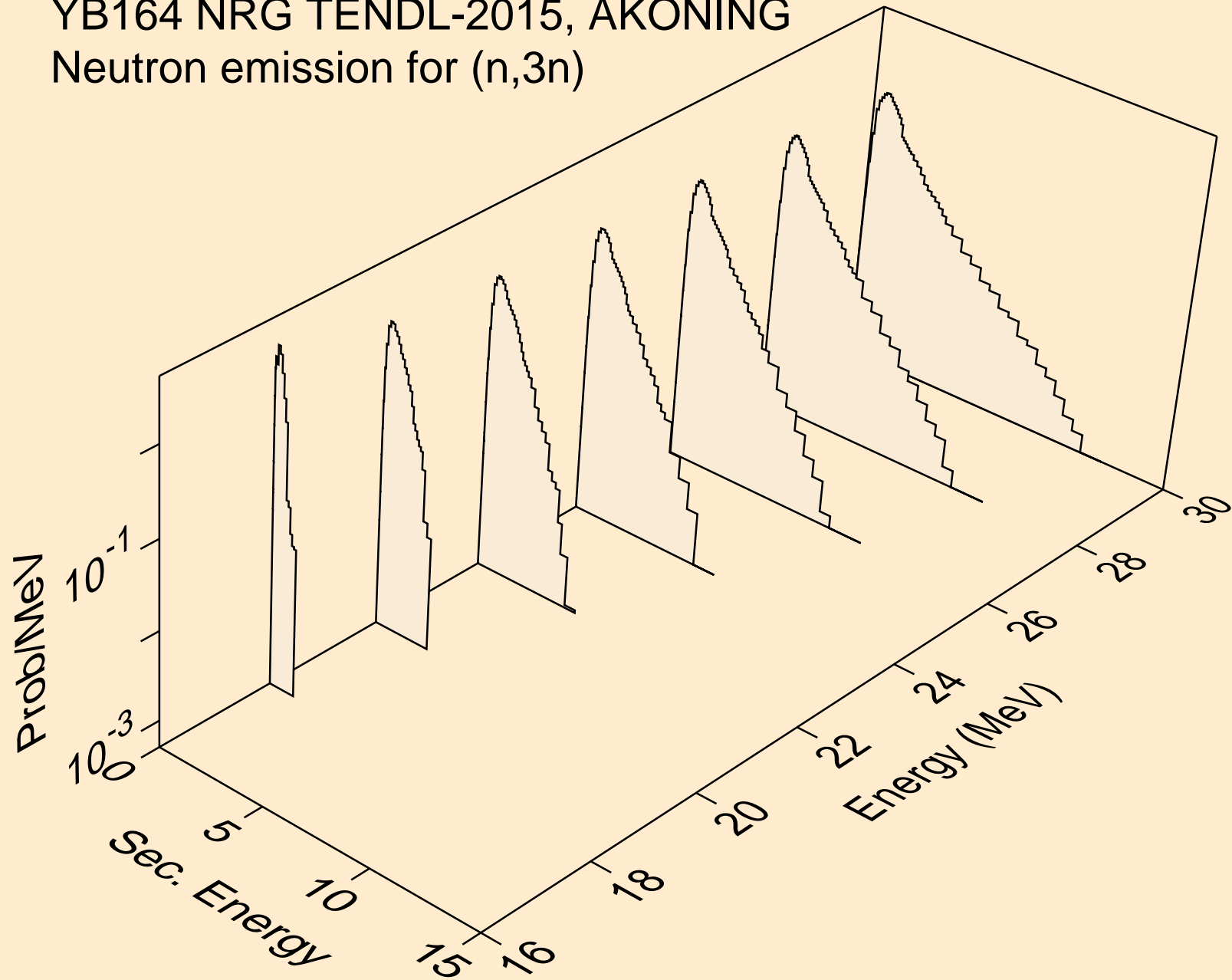


YB164 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)

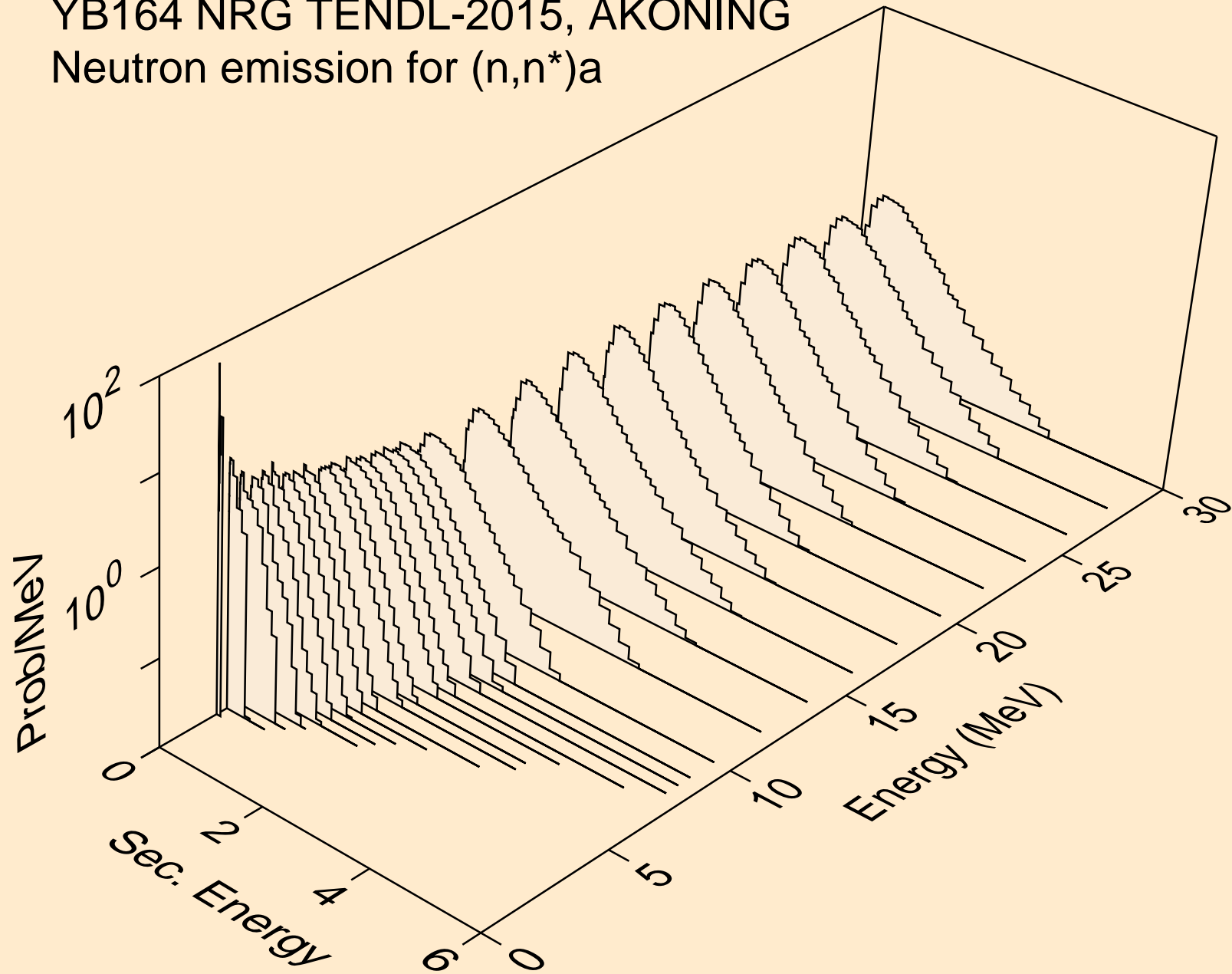




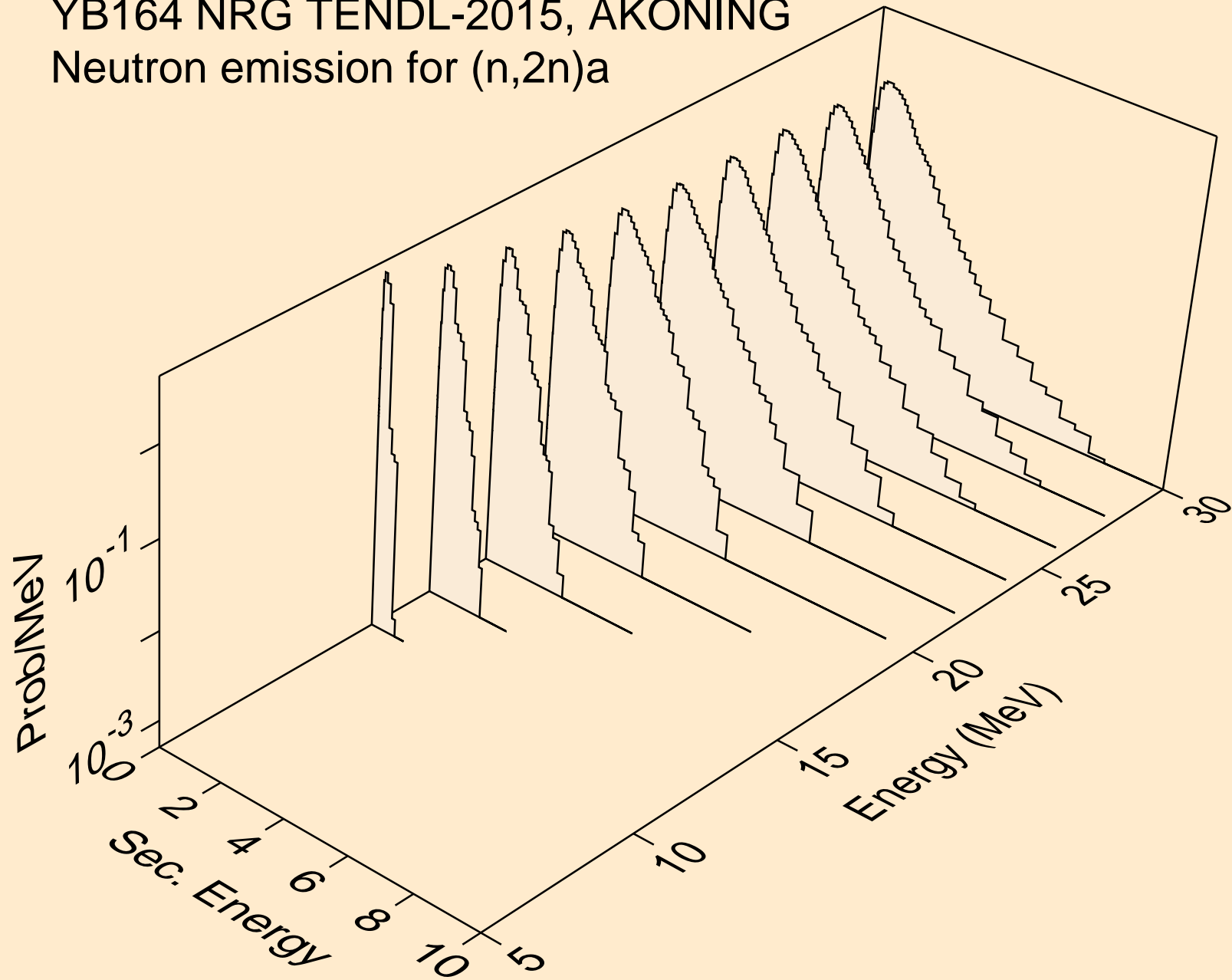
YB164 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



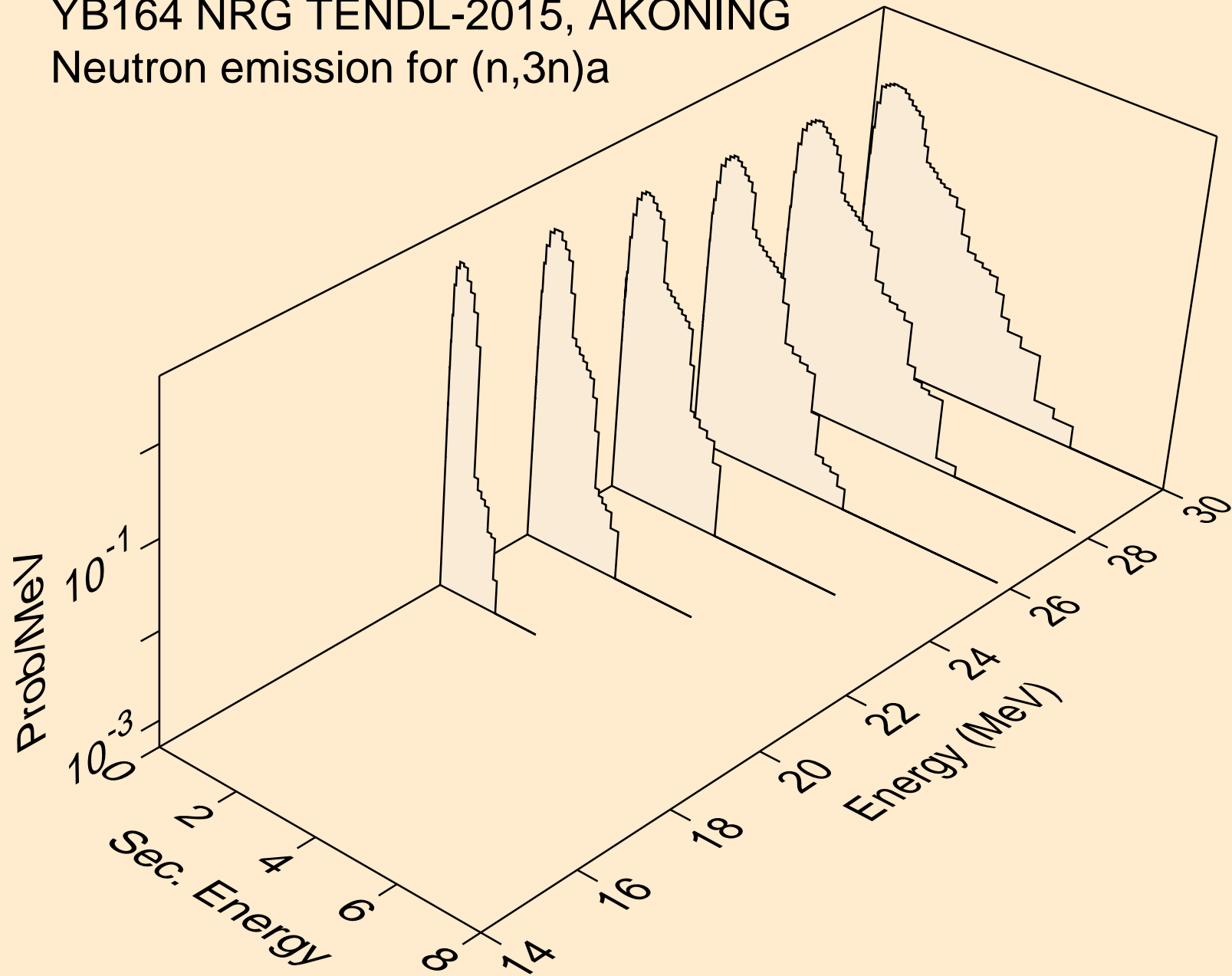
YB164 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



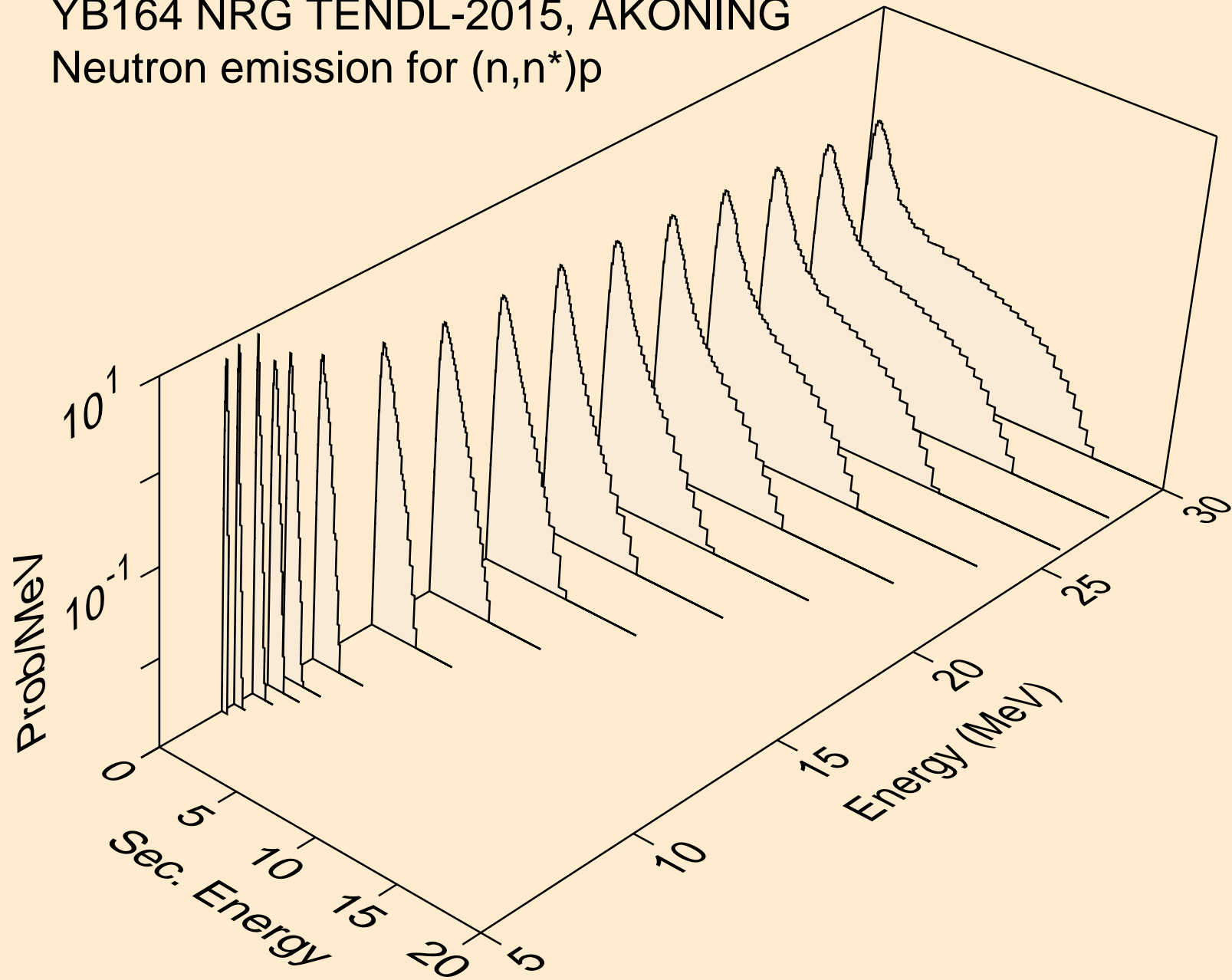
YB164 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



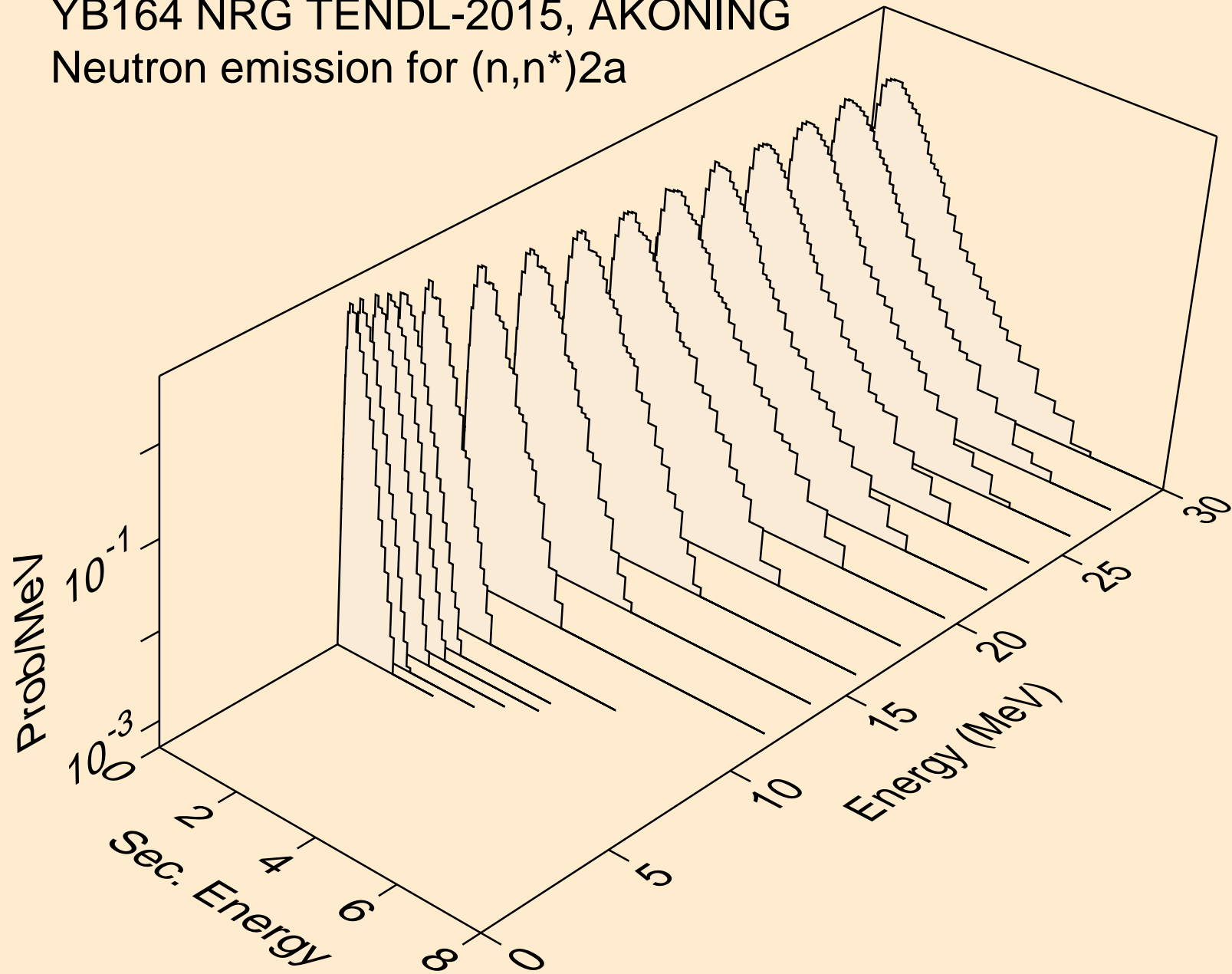
YB164 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



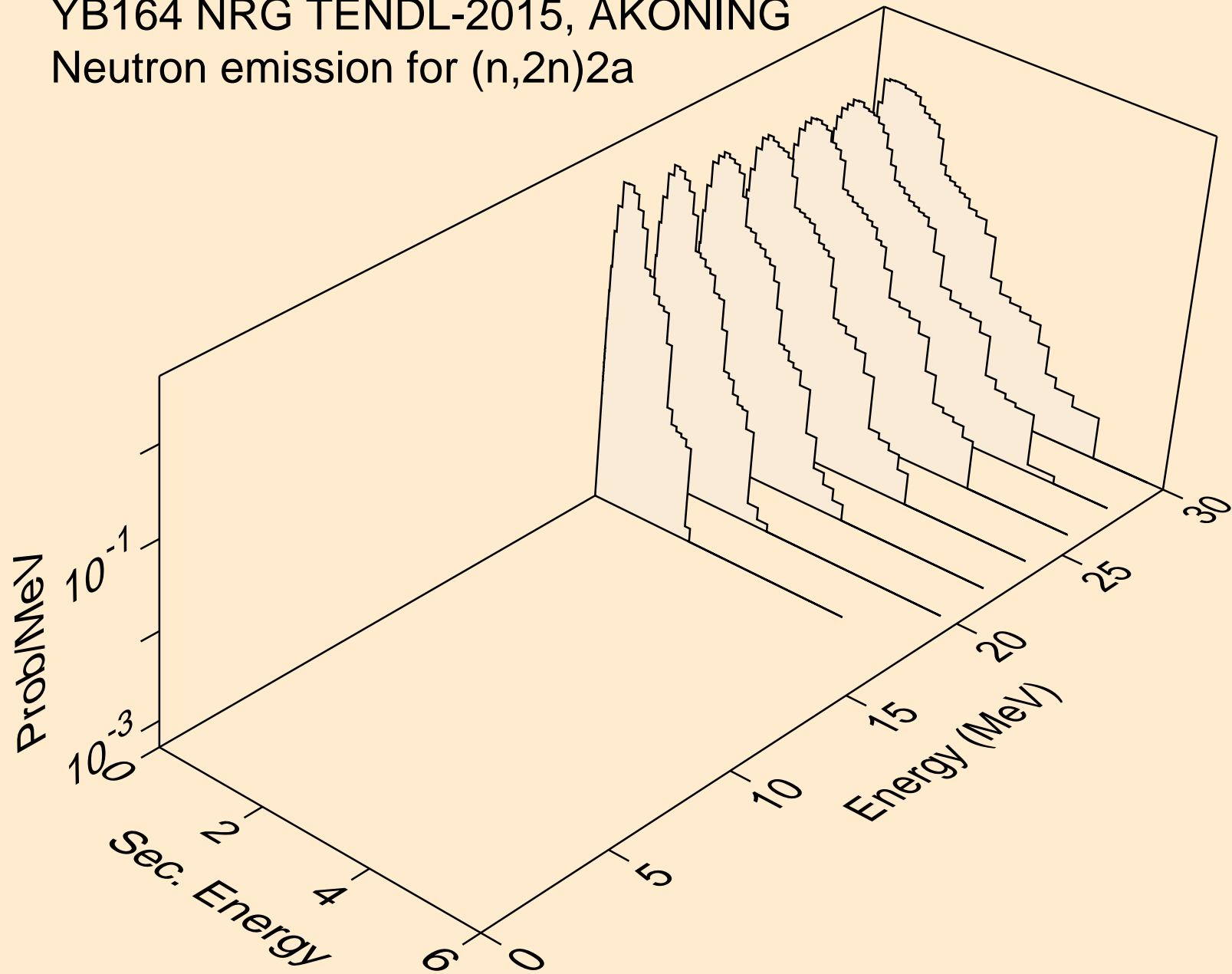
YB164 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



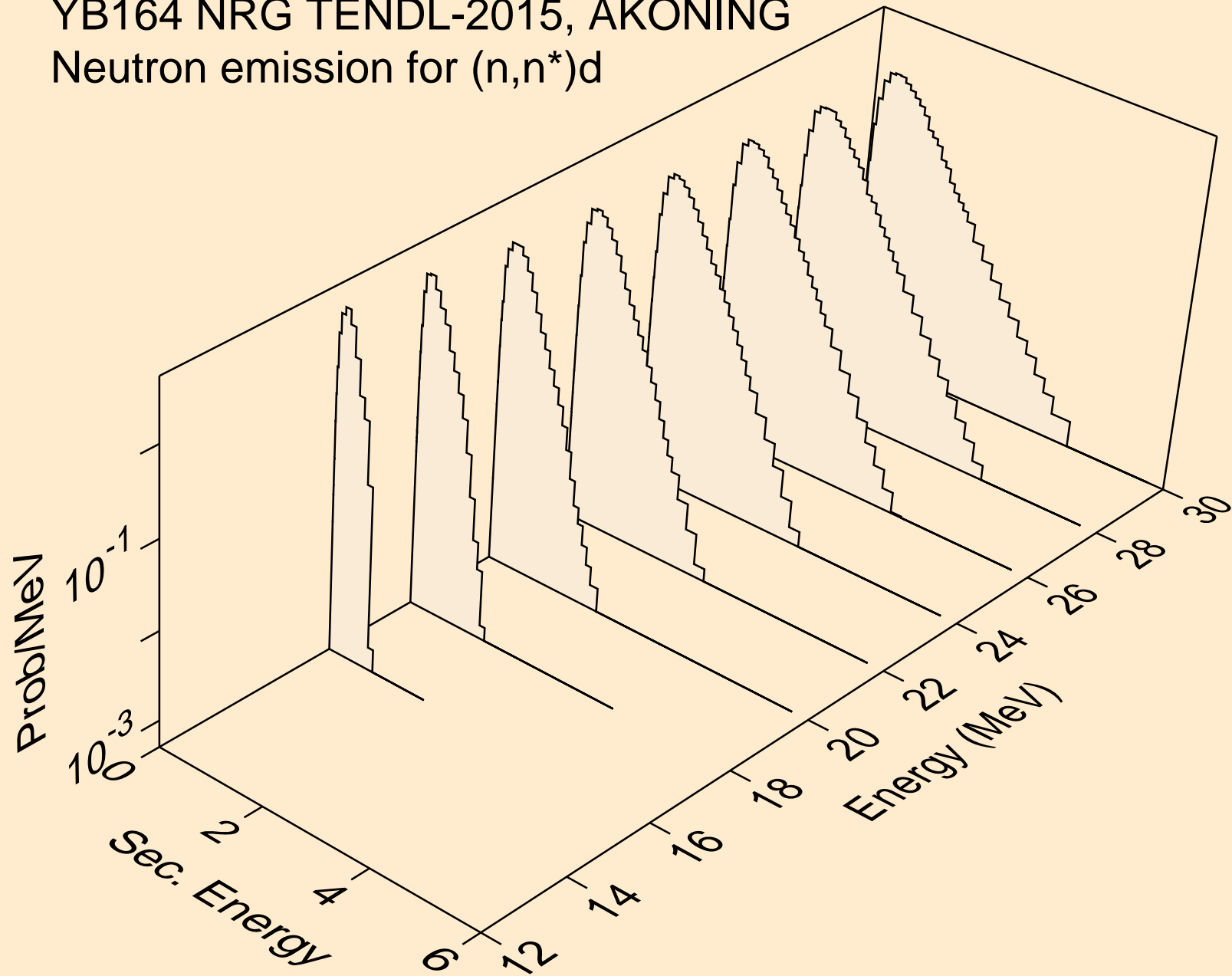
YB164 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



YB164 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)2a

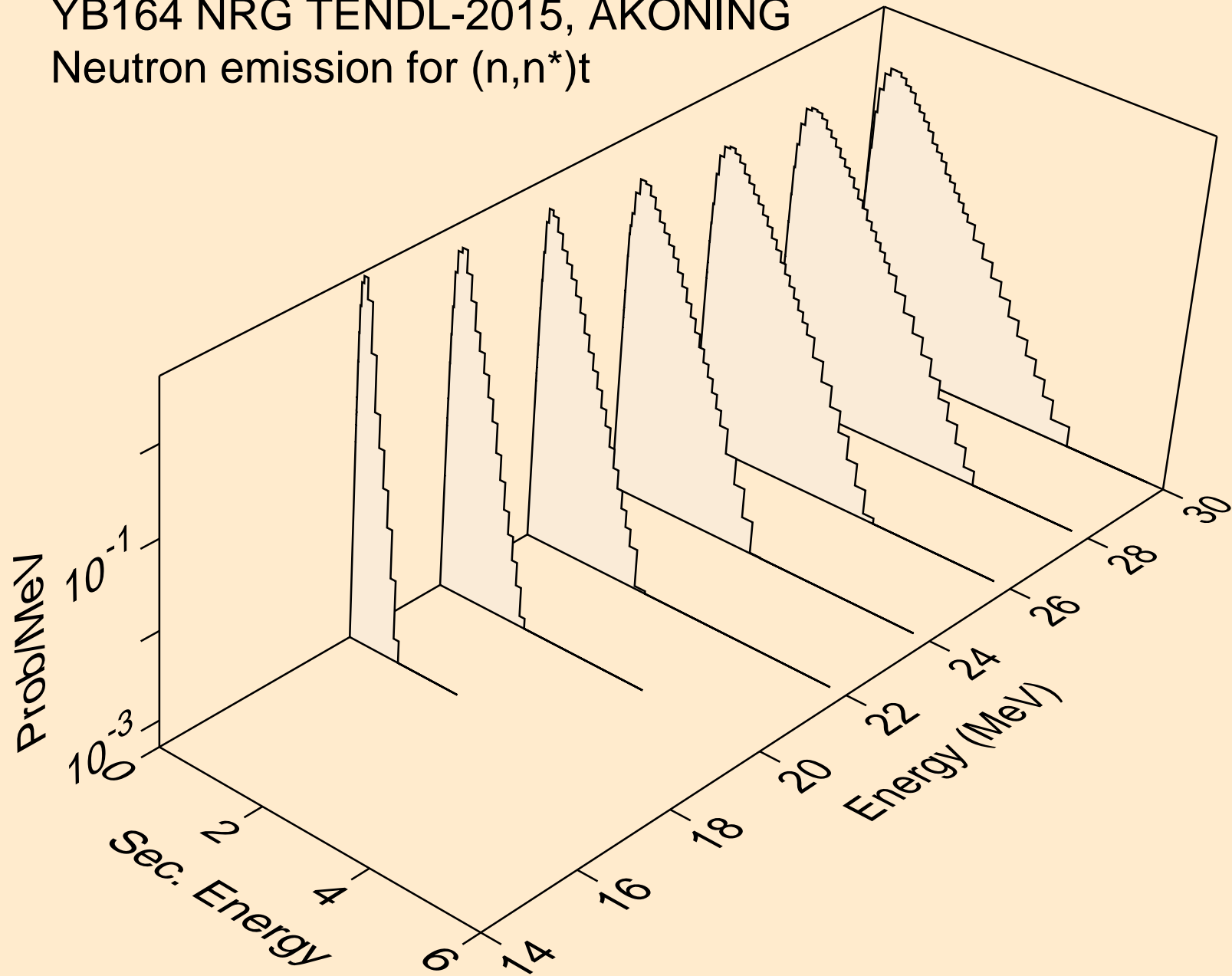


YB164 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d

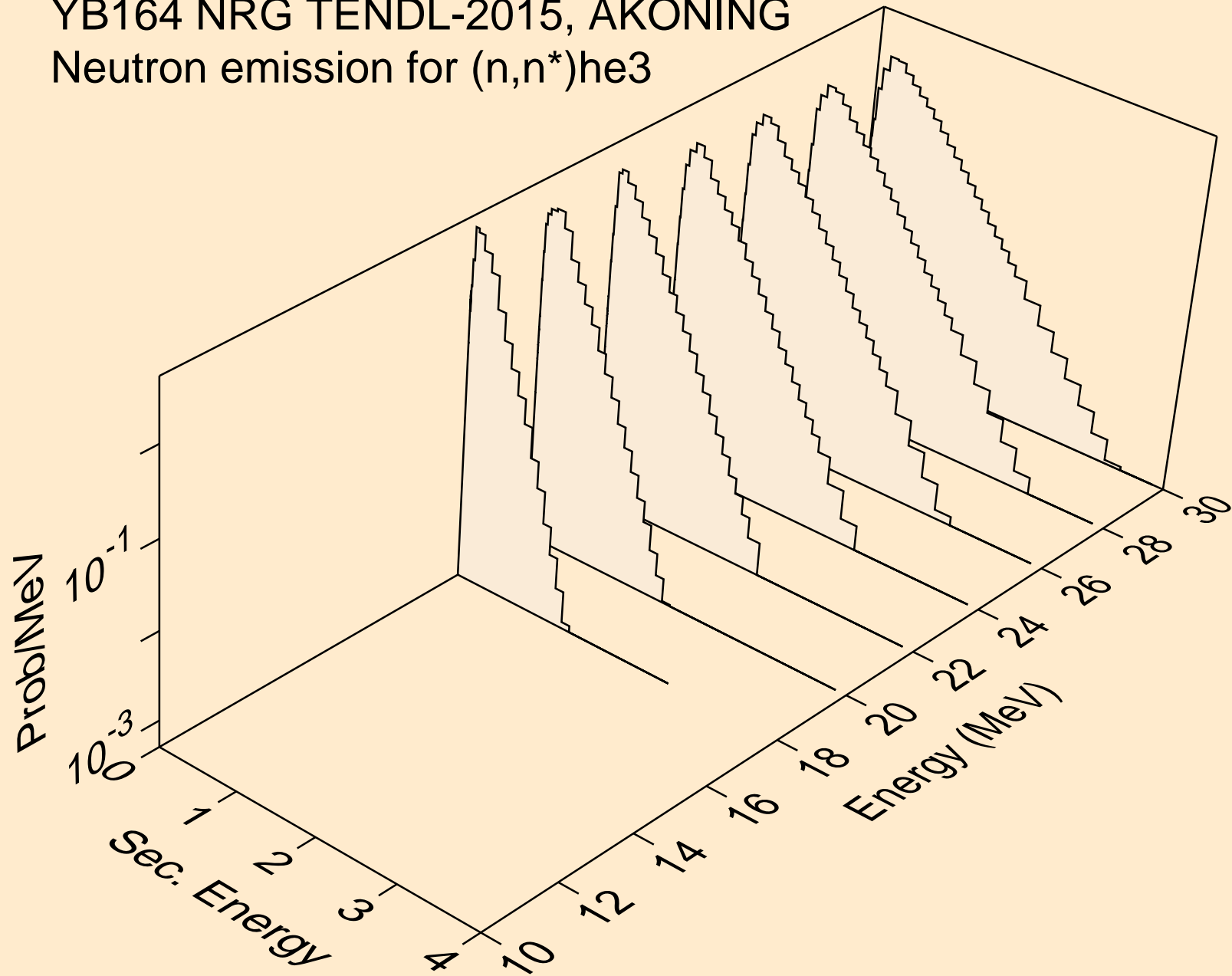




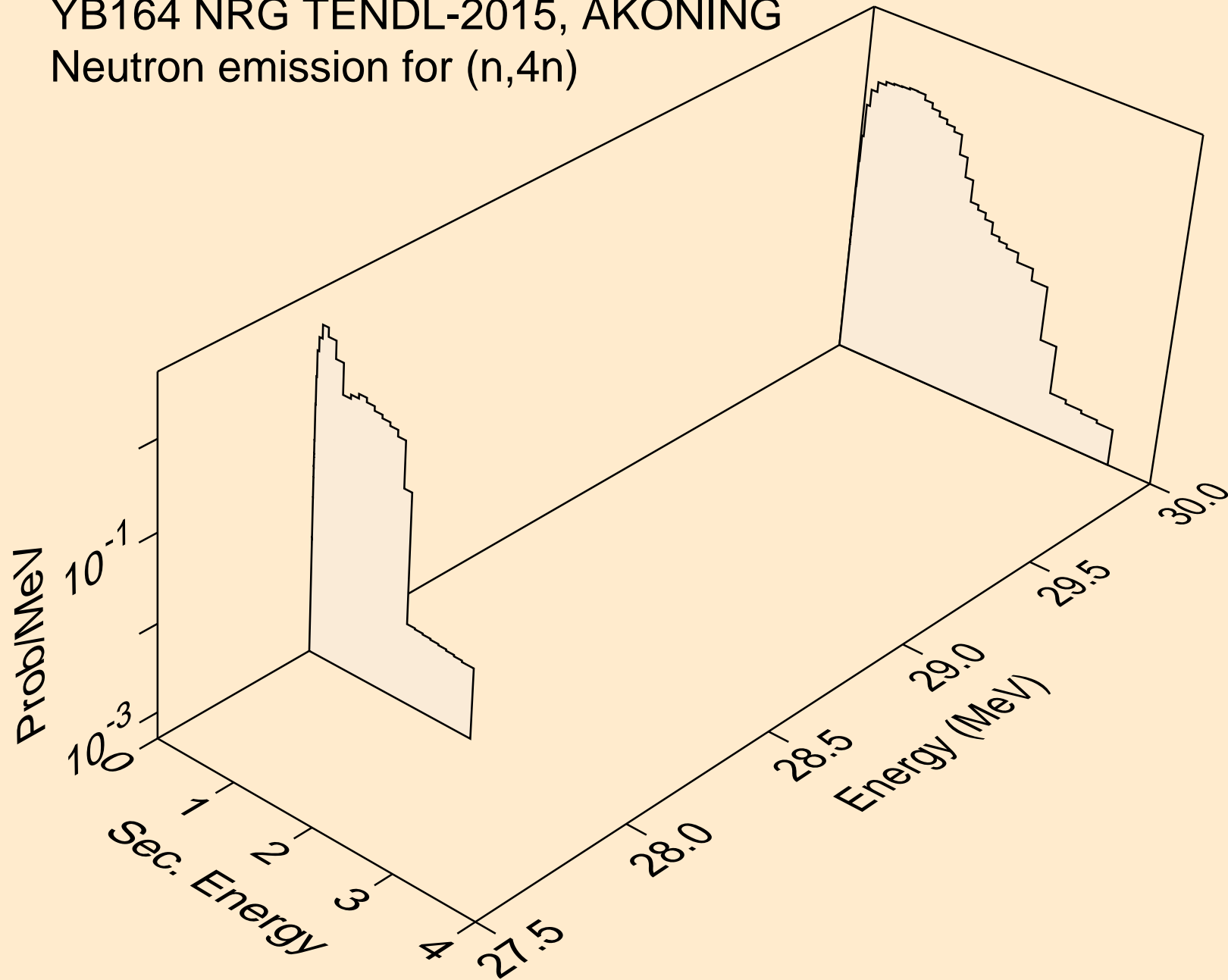
YB164 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



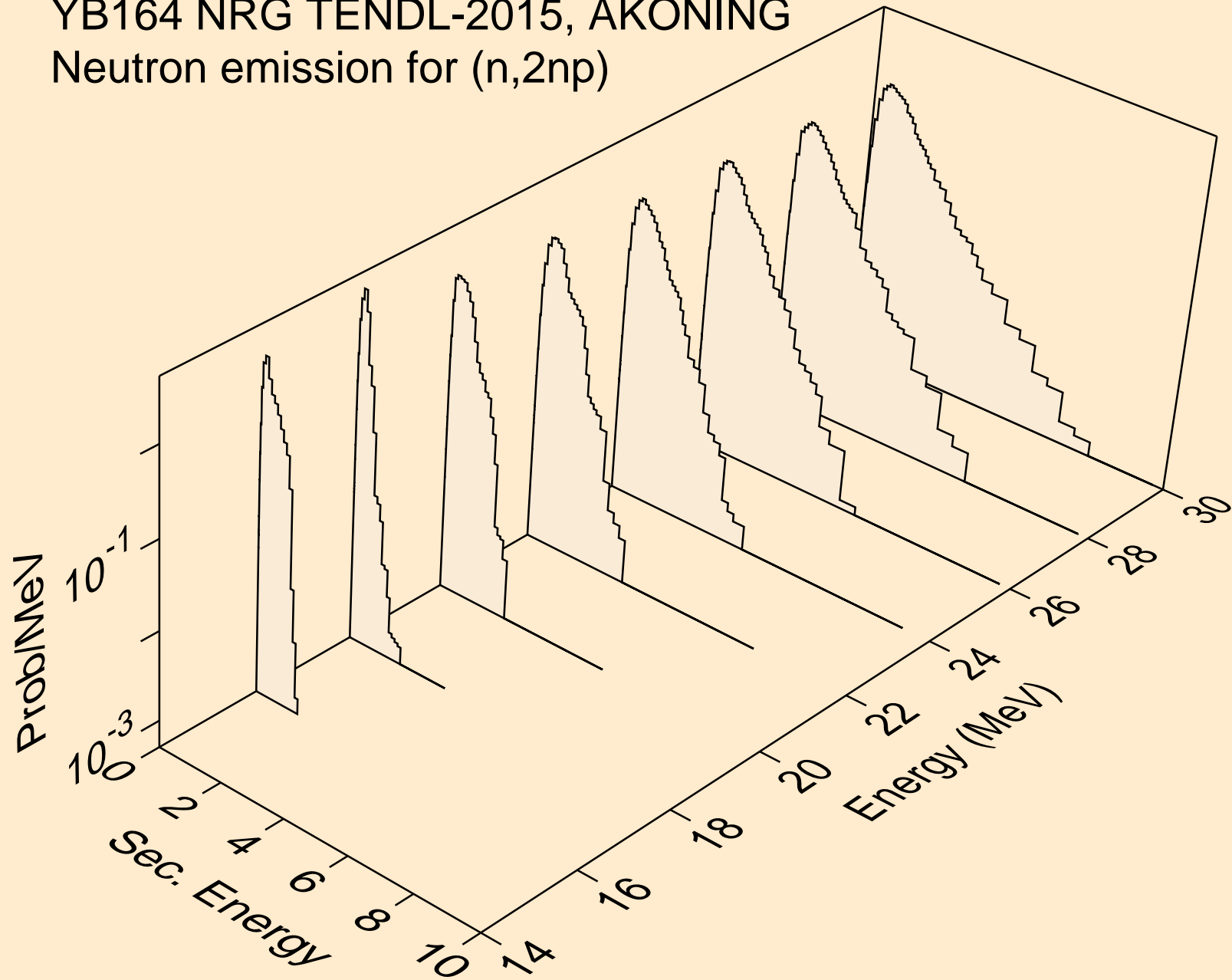
YB164 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



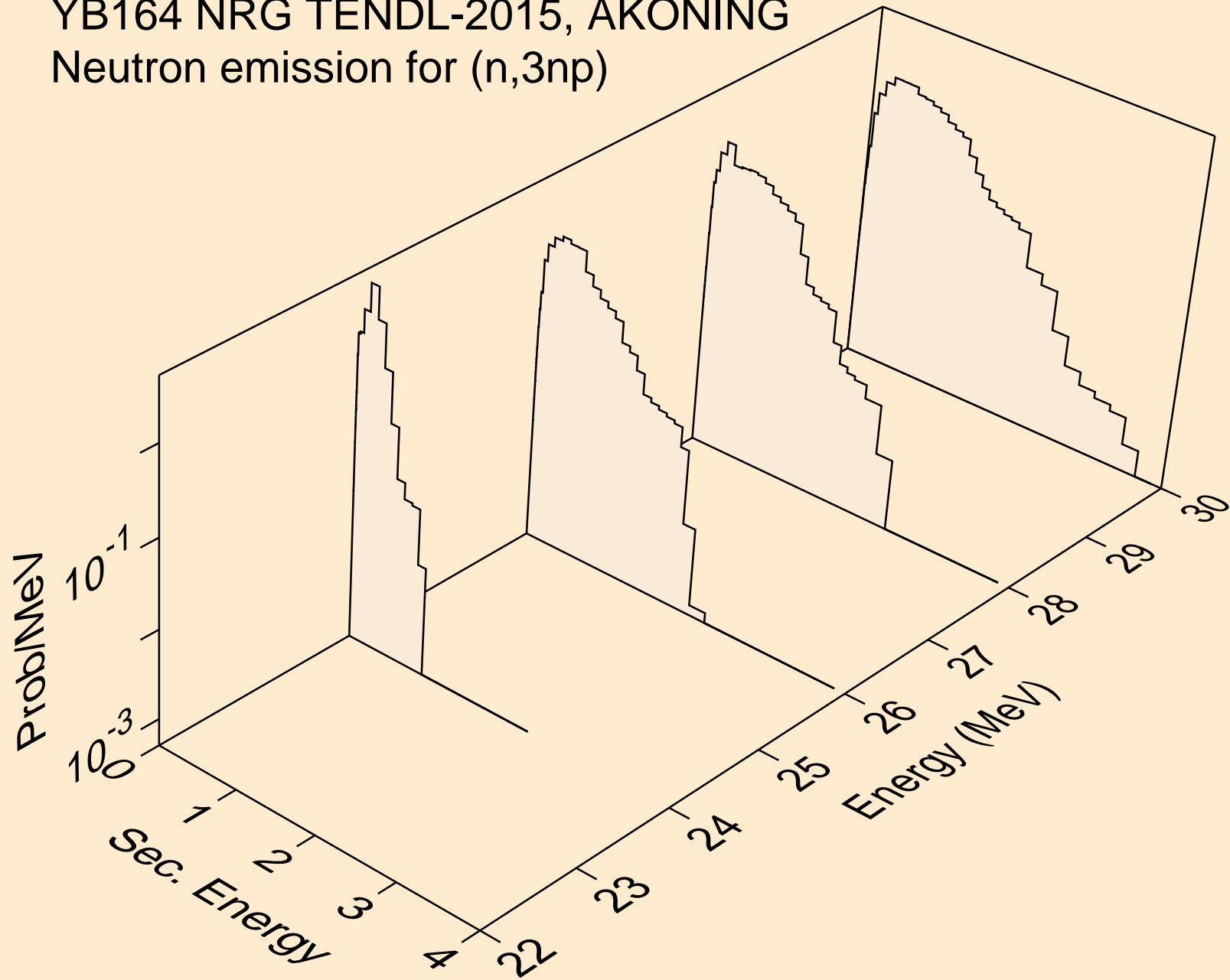
YB164 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



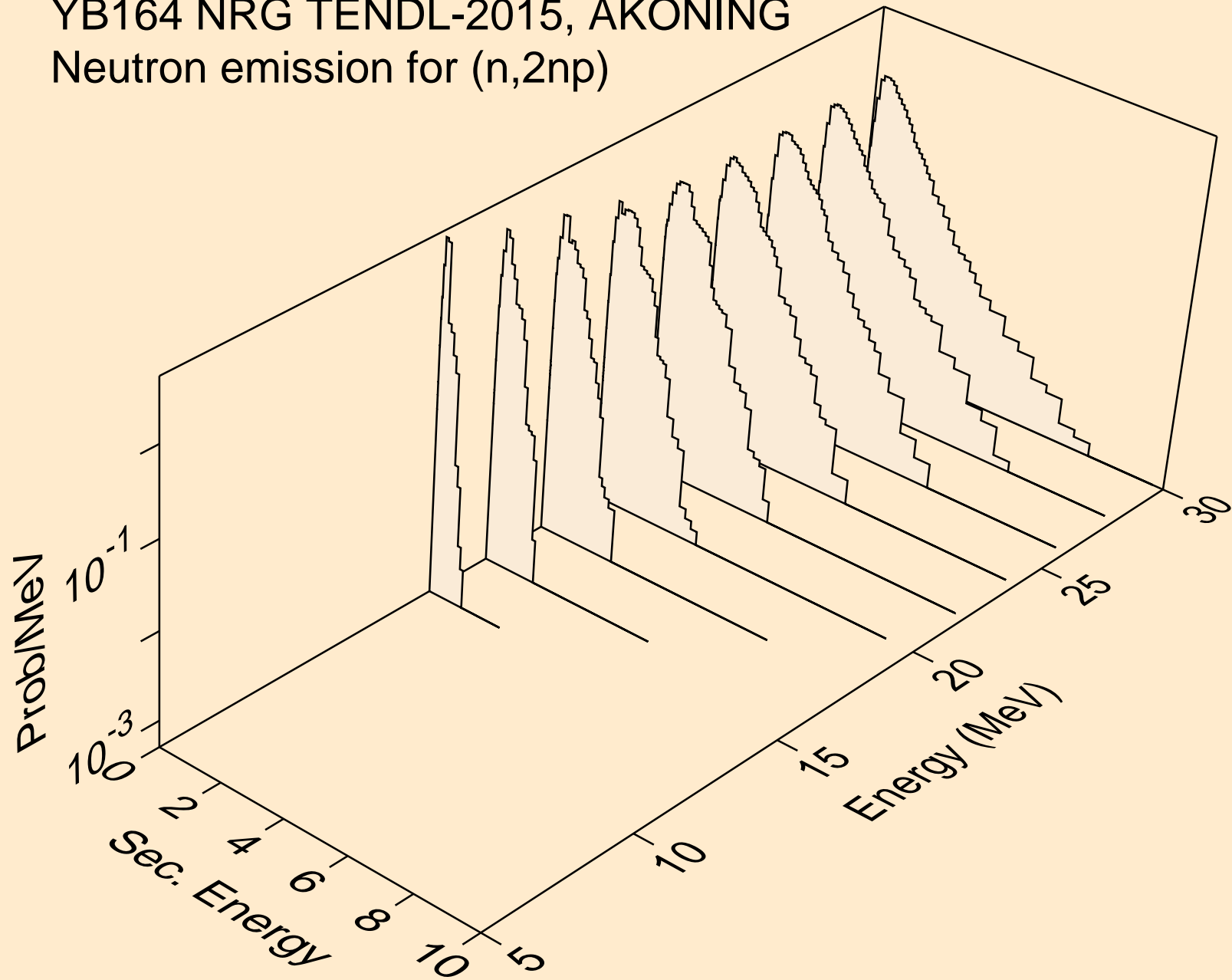
YB164 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



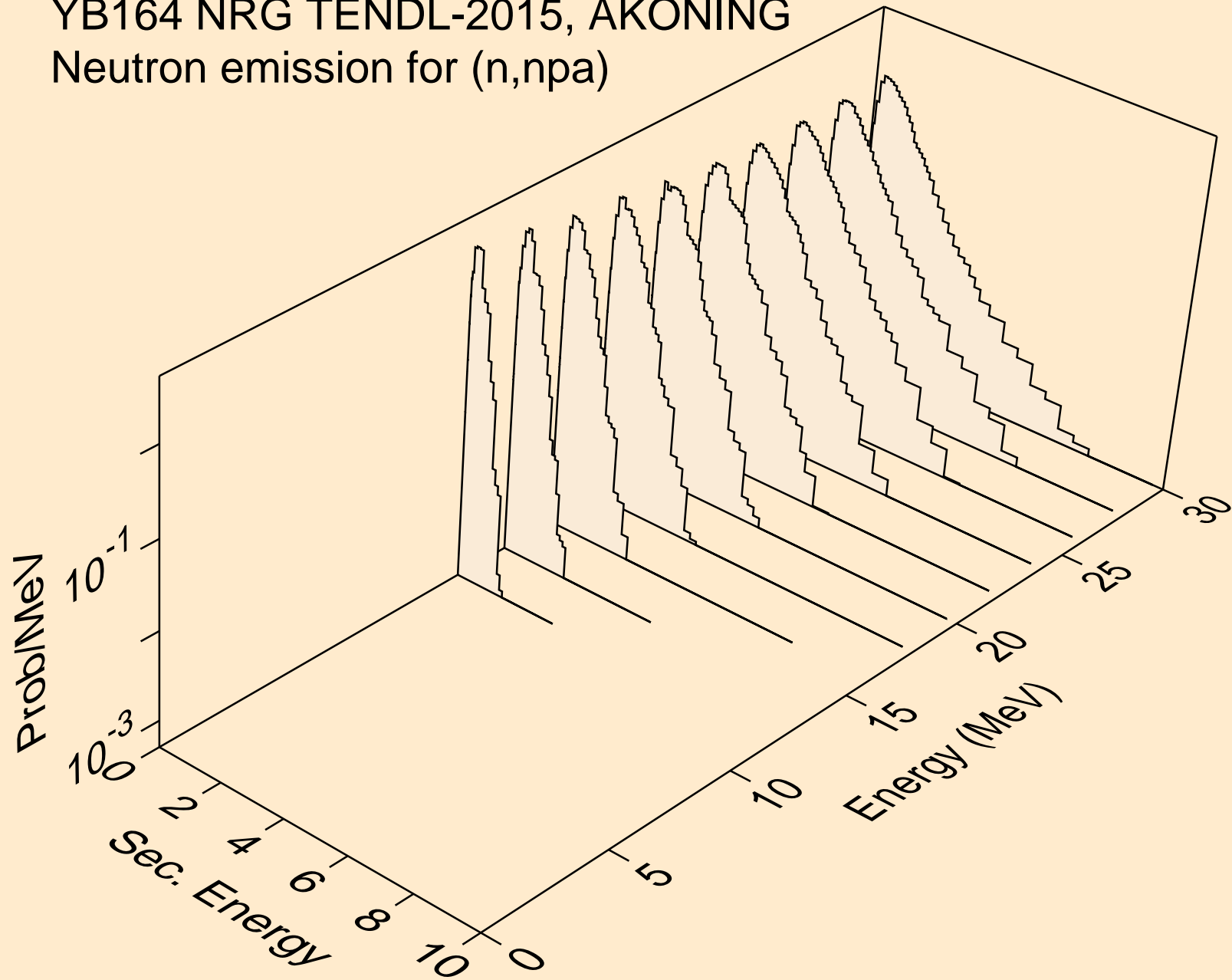
YB164 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



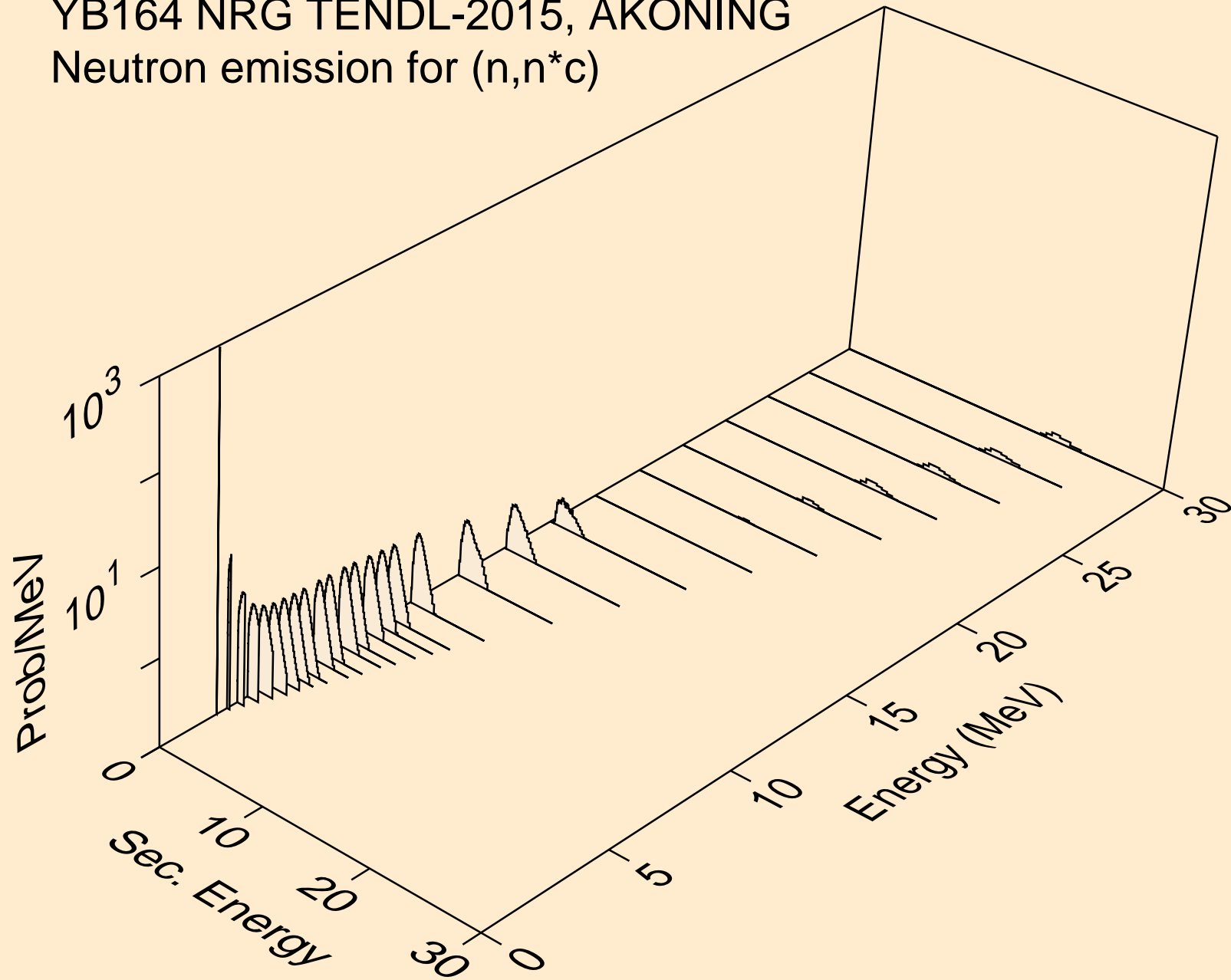
YB164 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



YB164 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)

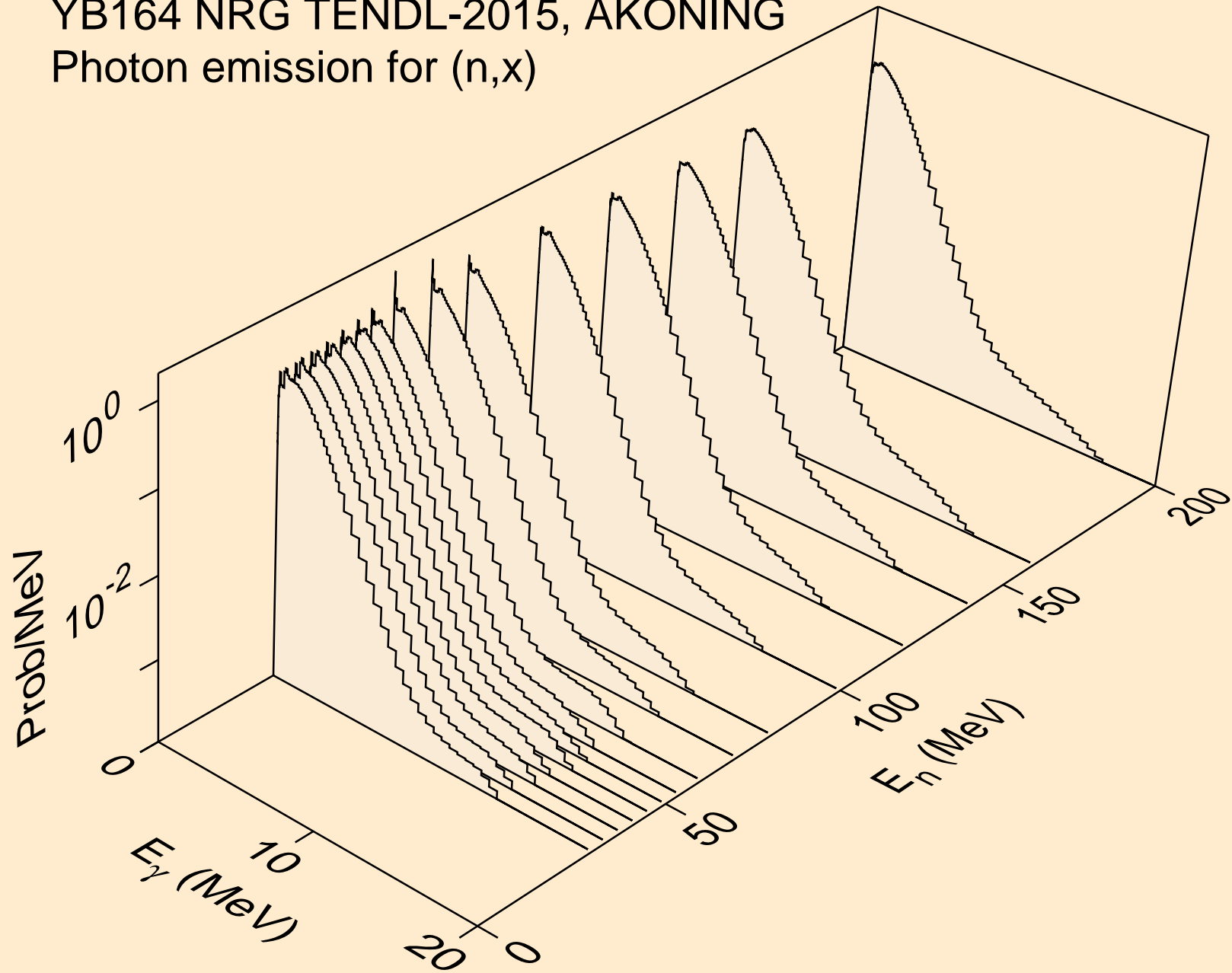


YB164 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)

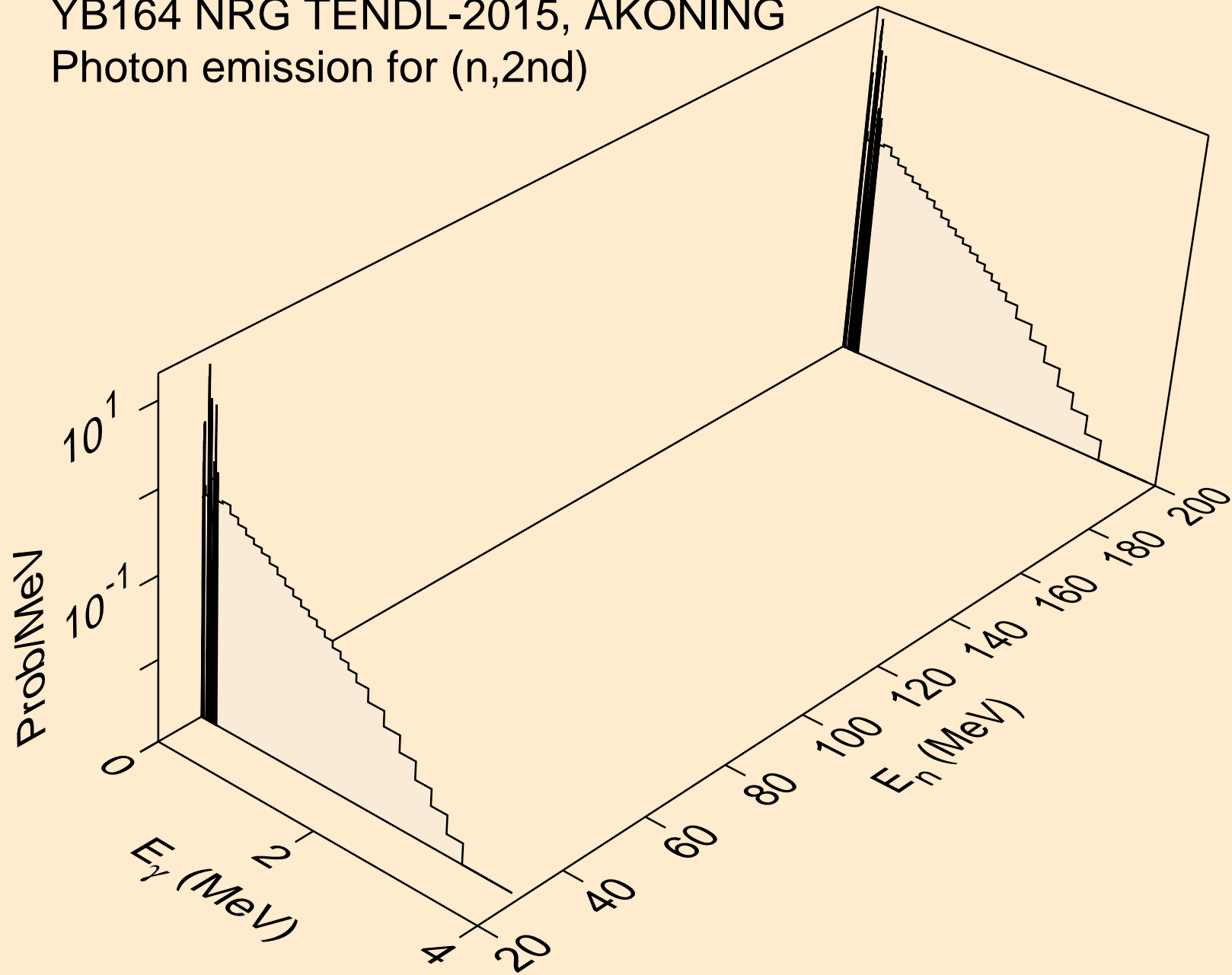




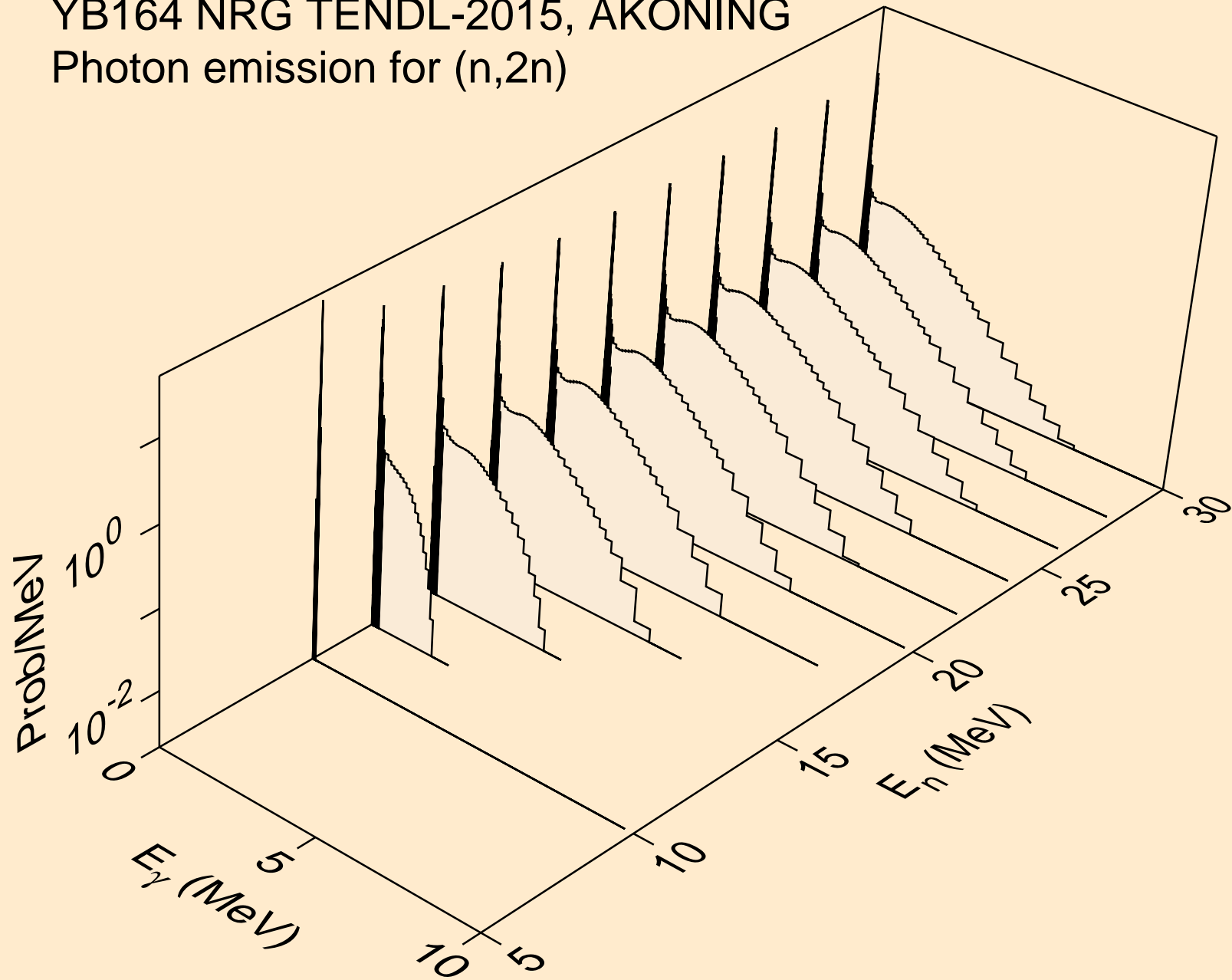
YB164 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



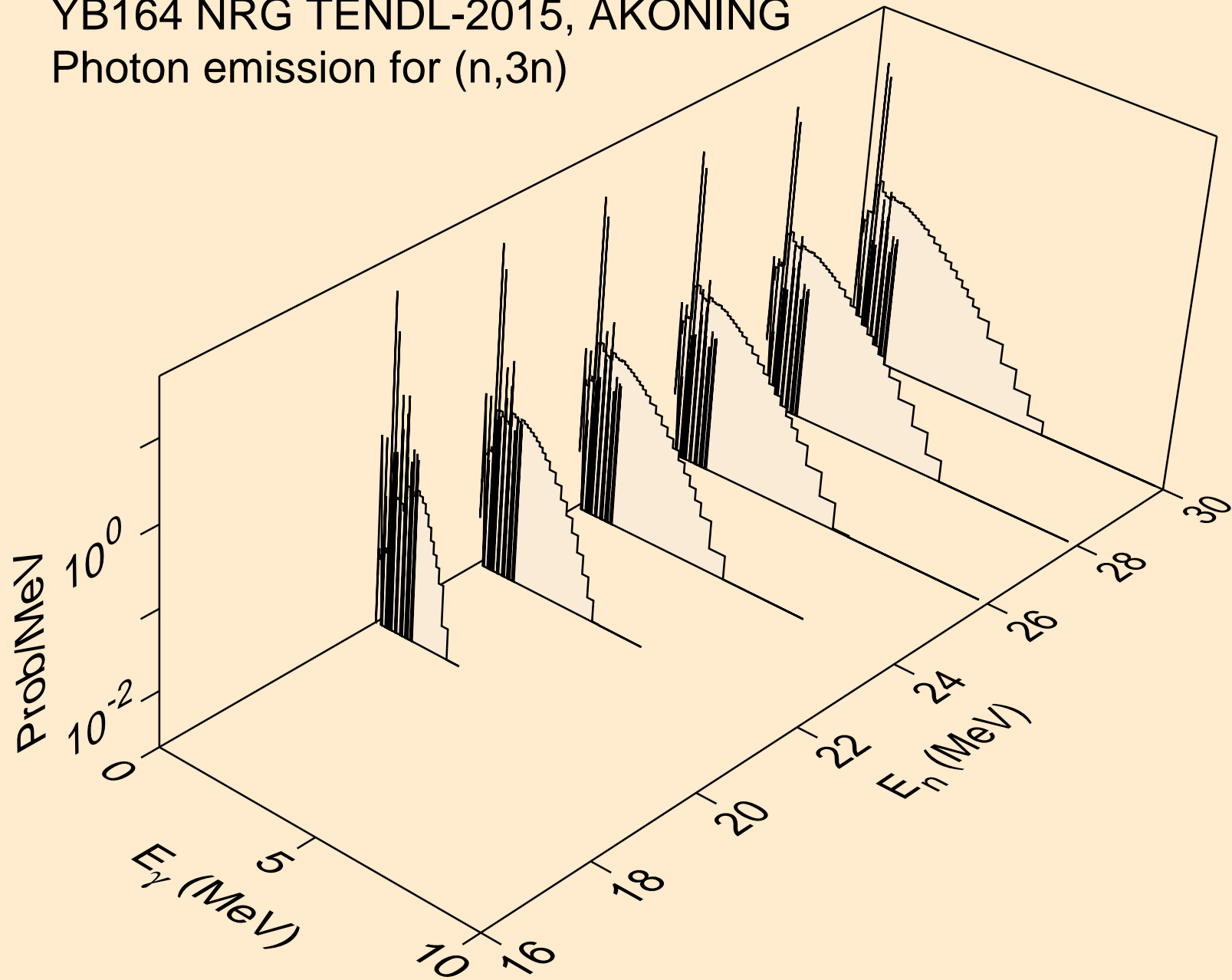
YB164 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



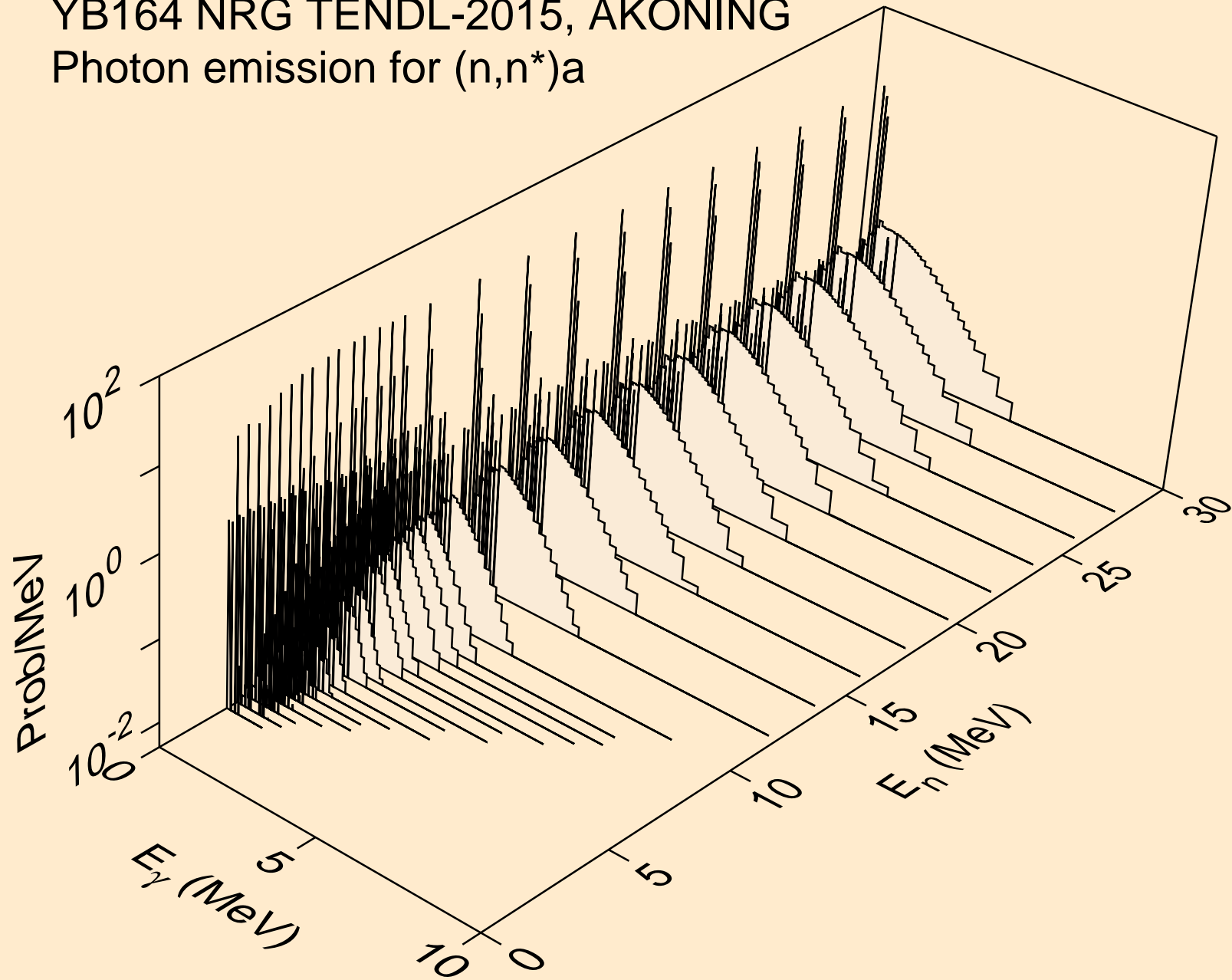
YB164 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



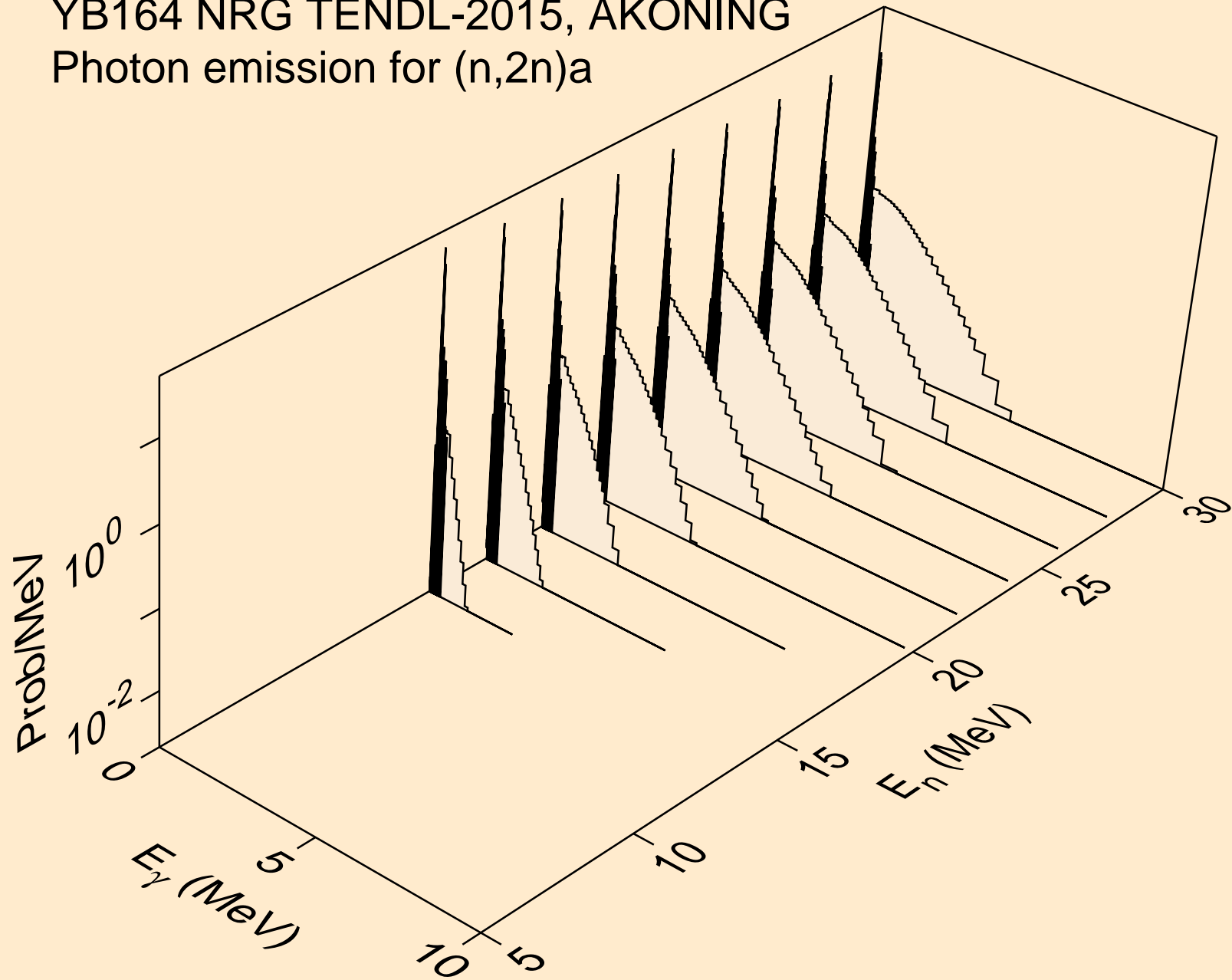
YB164 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



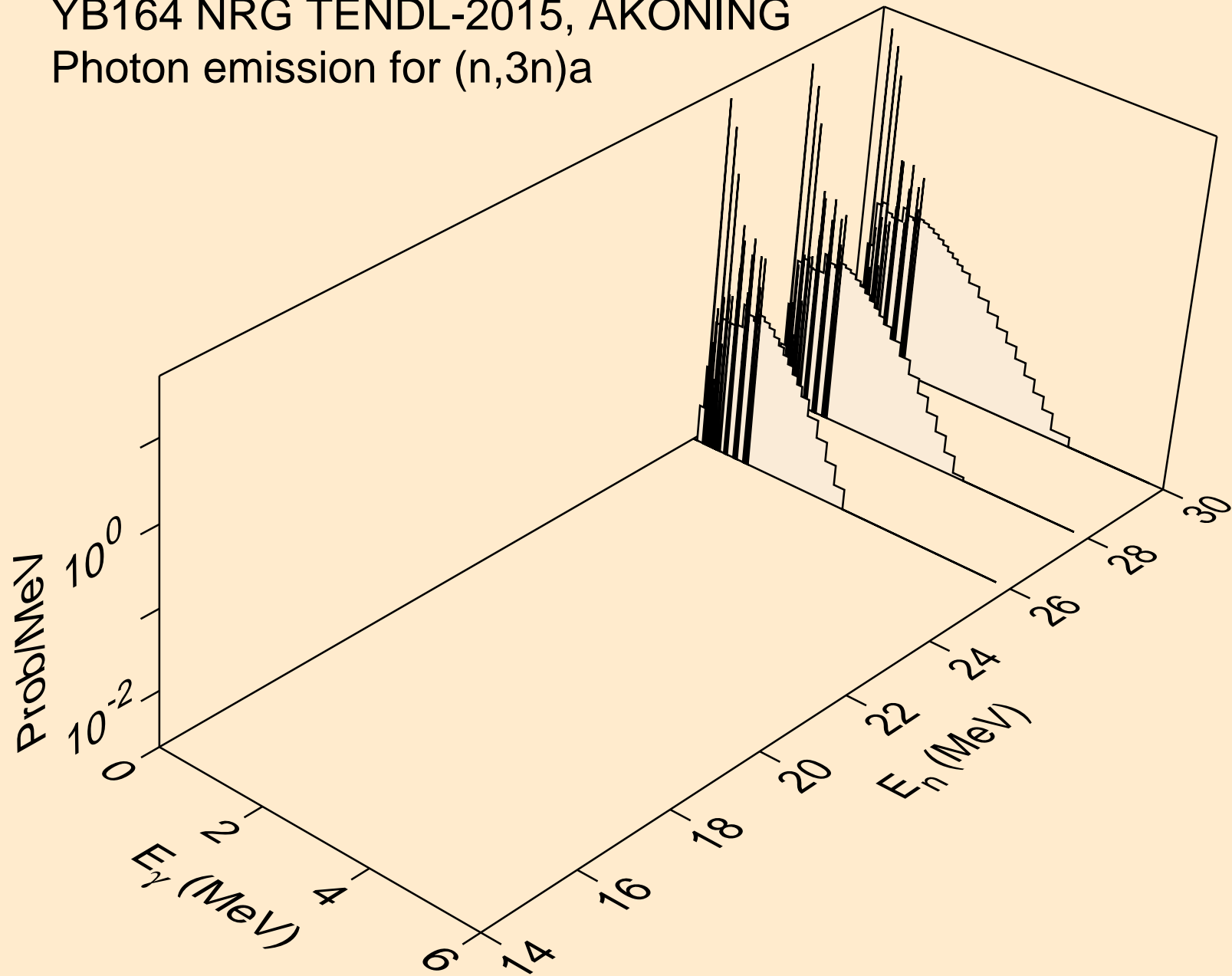
YB164 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



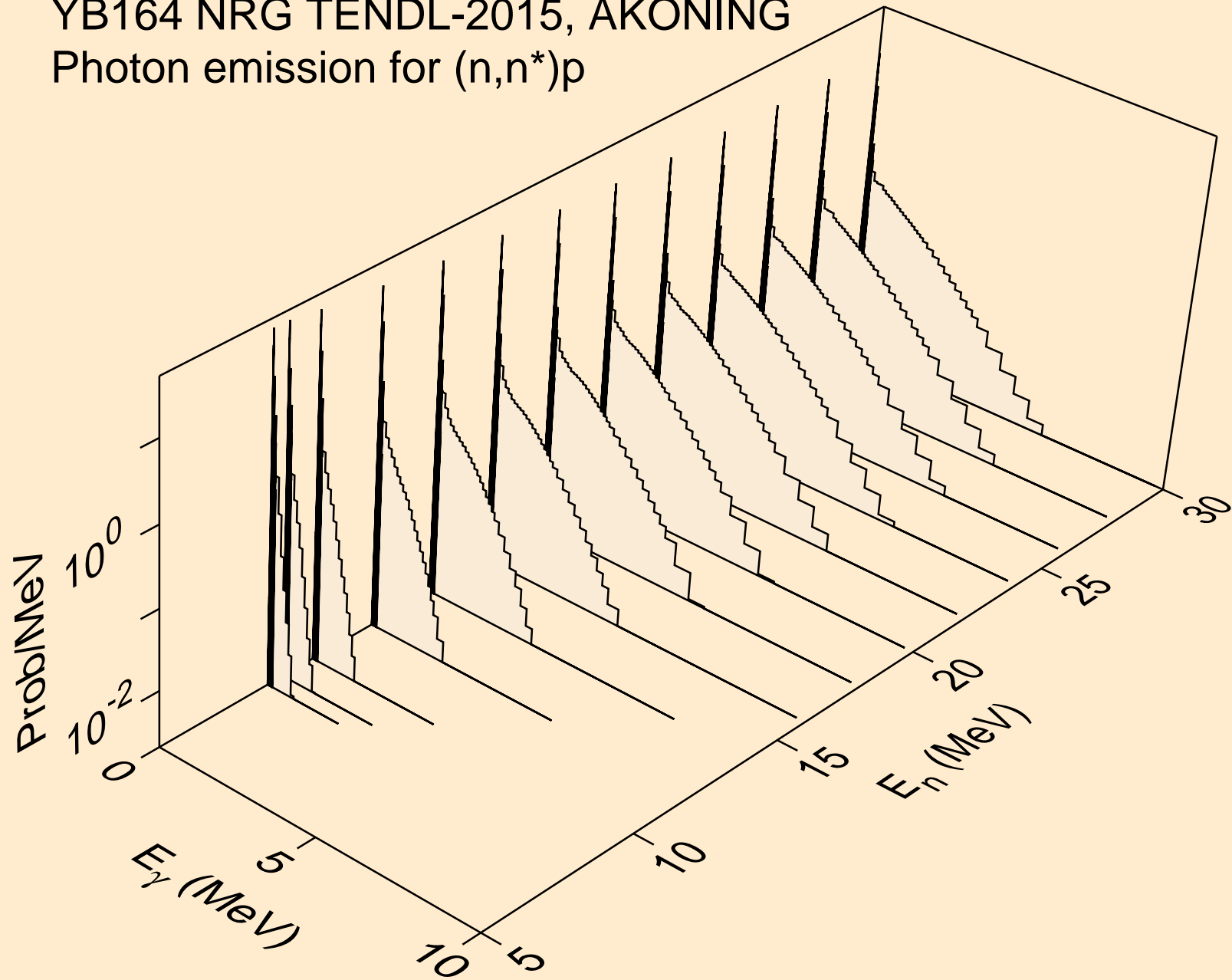
YB164 NRG TENDL-2015, AKONING  
Photon emission for (n,2n) $\alpha$



YB164 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a

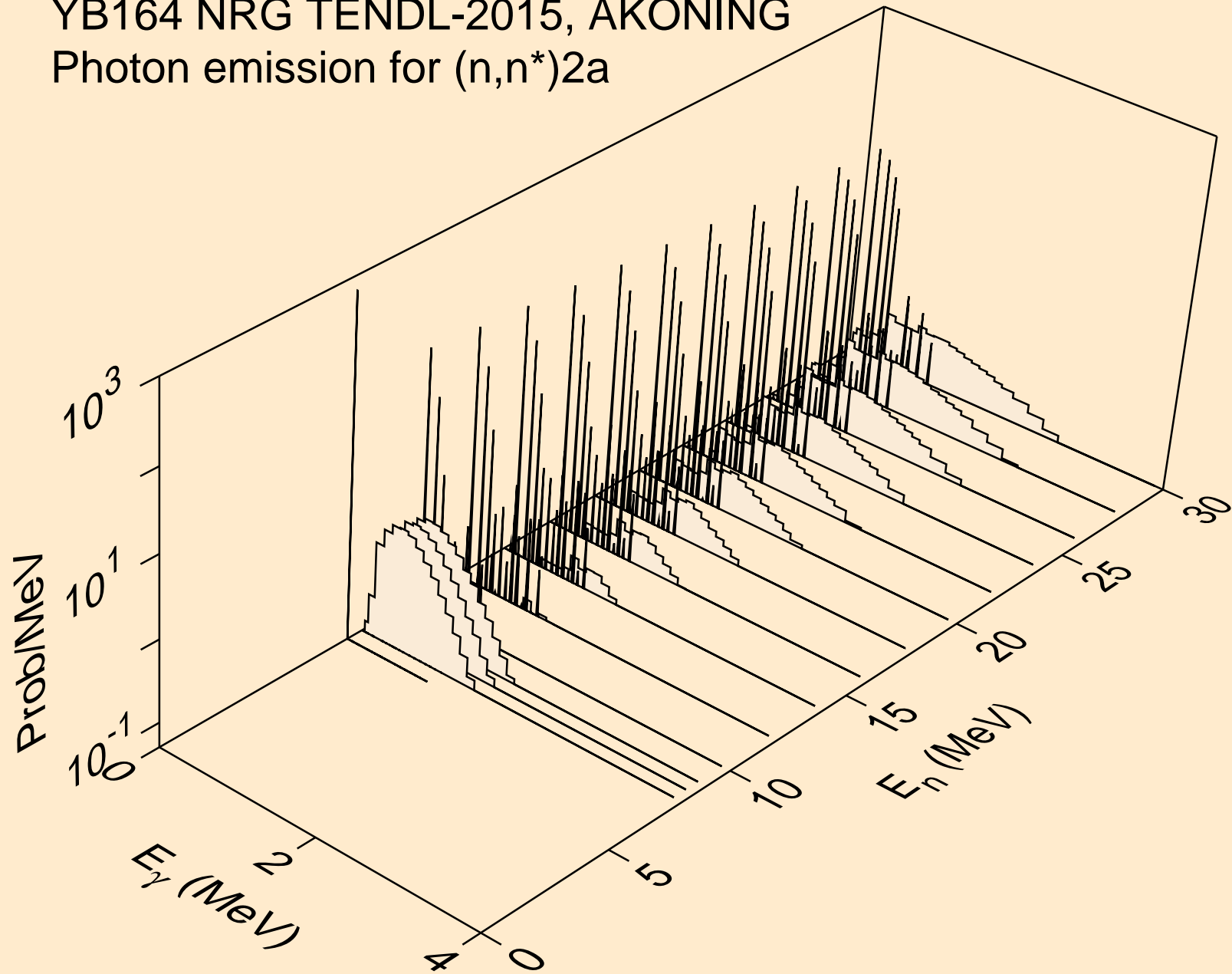


YB164 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p

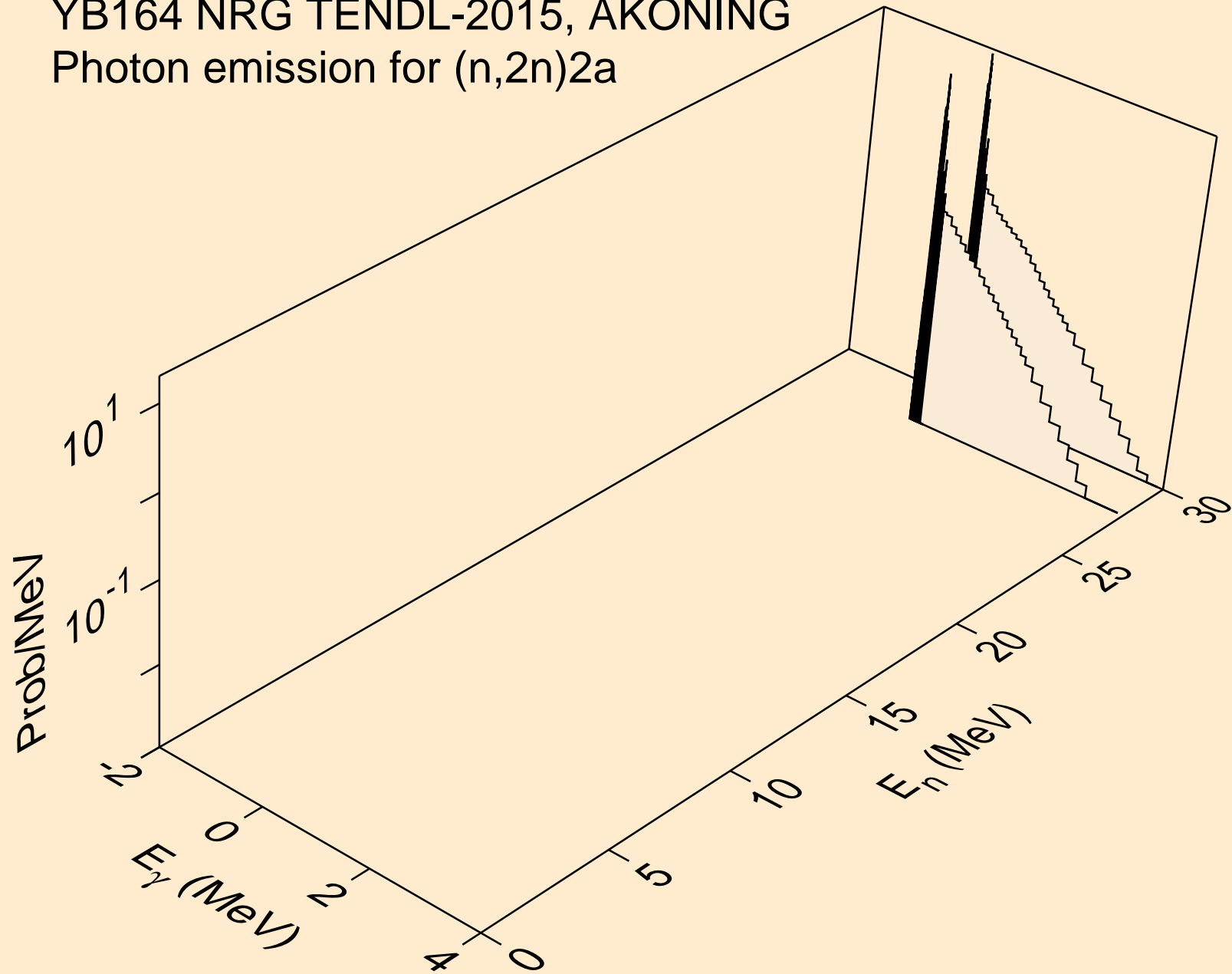




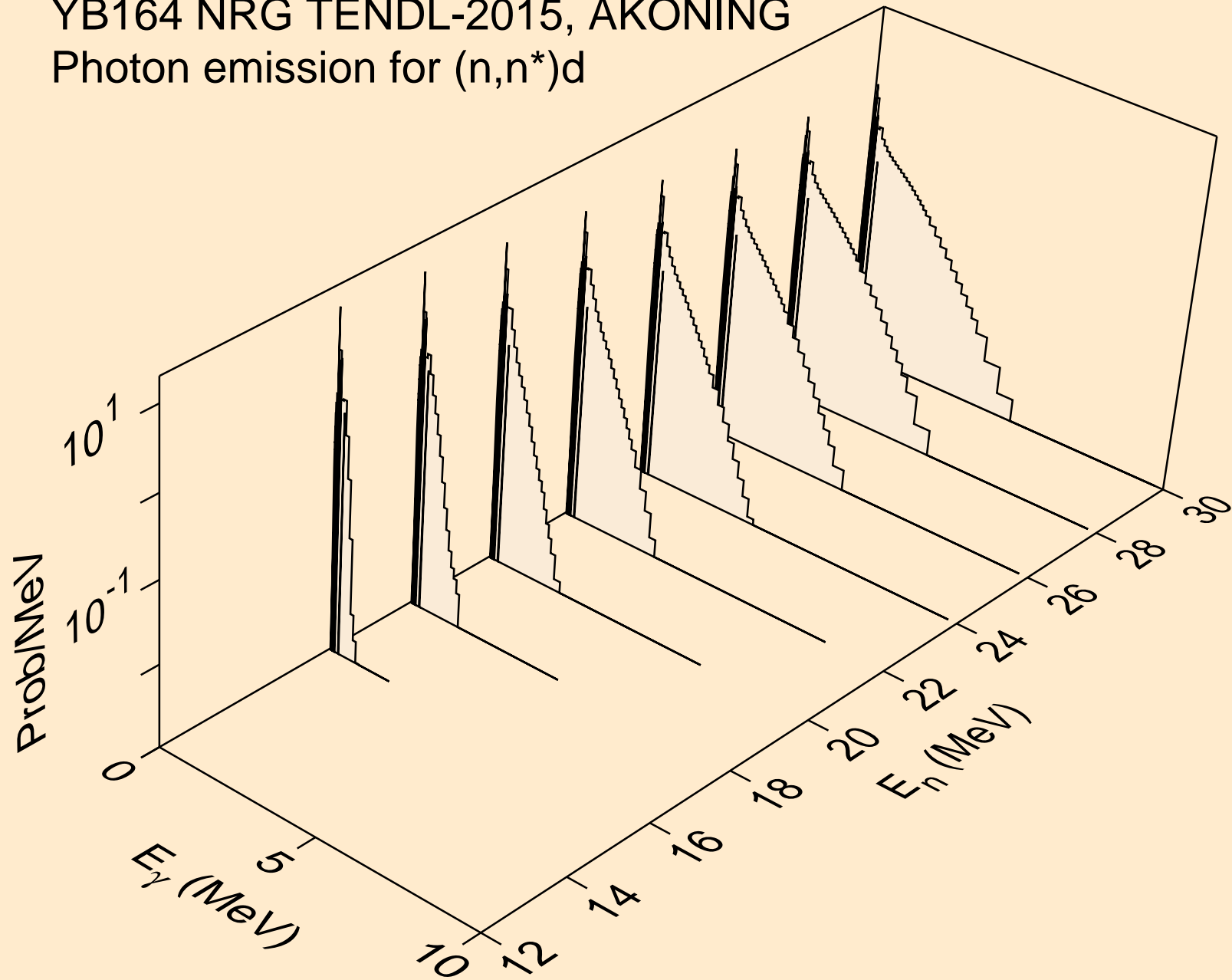
YB164 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



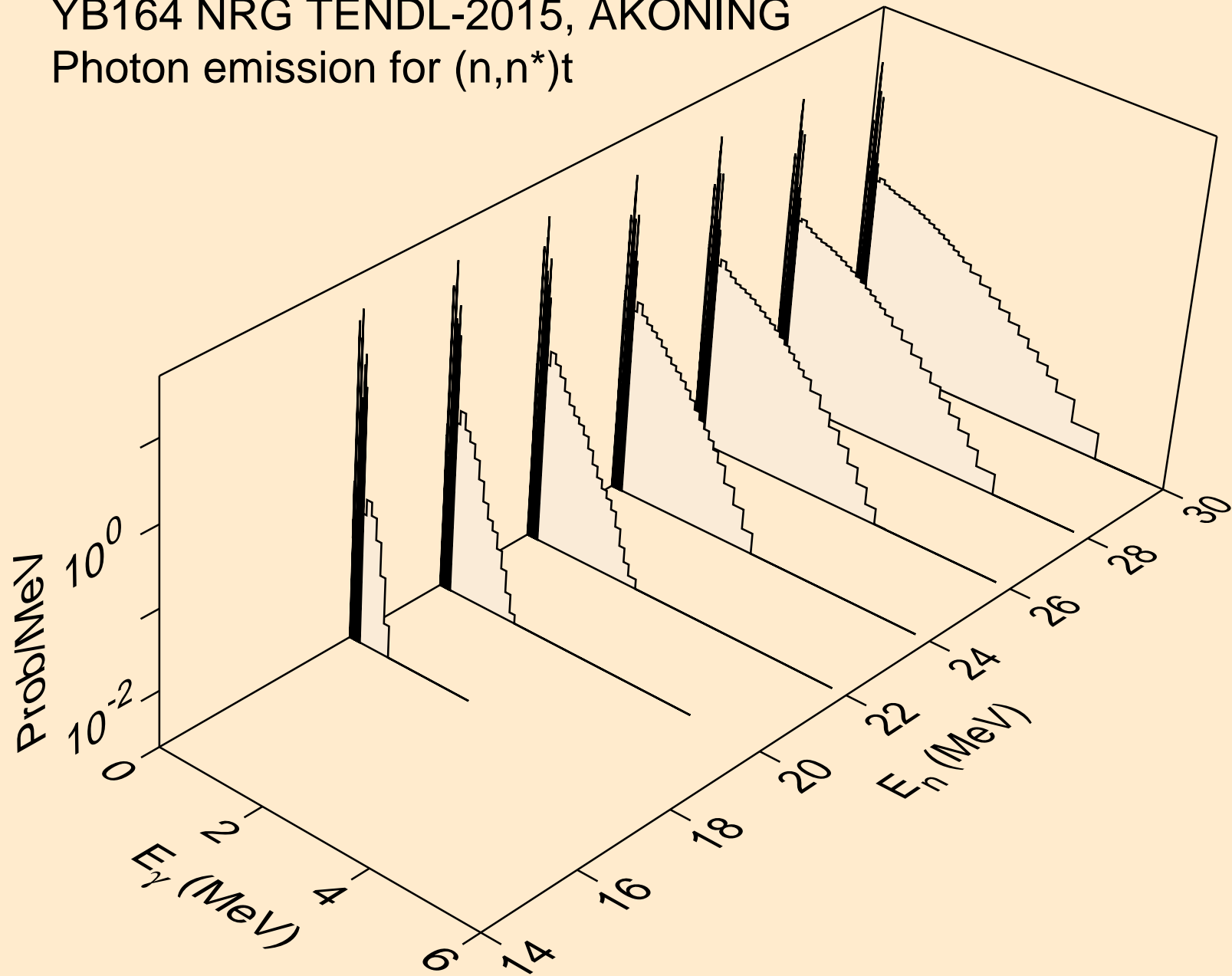
YB164 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a



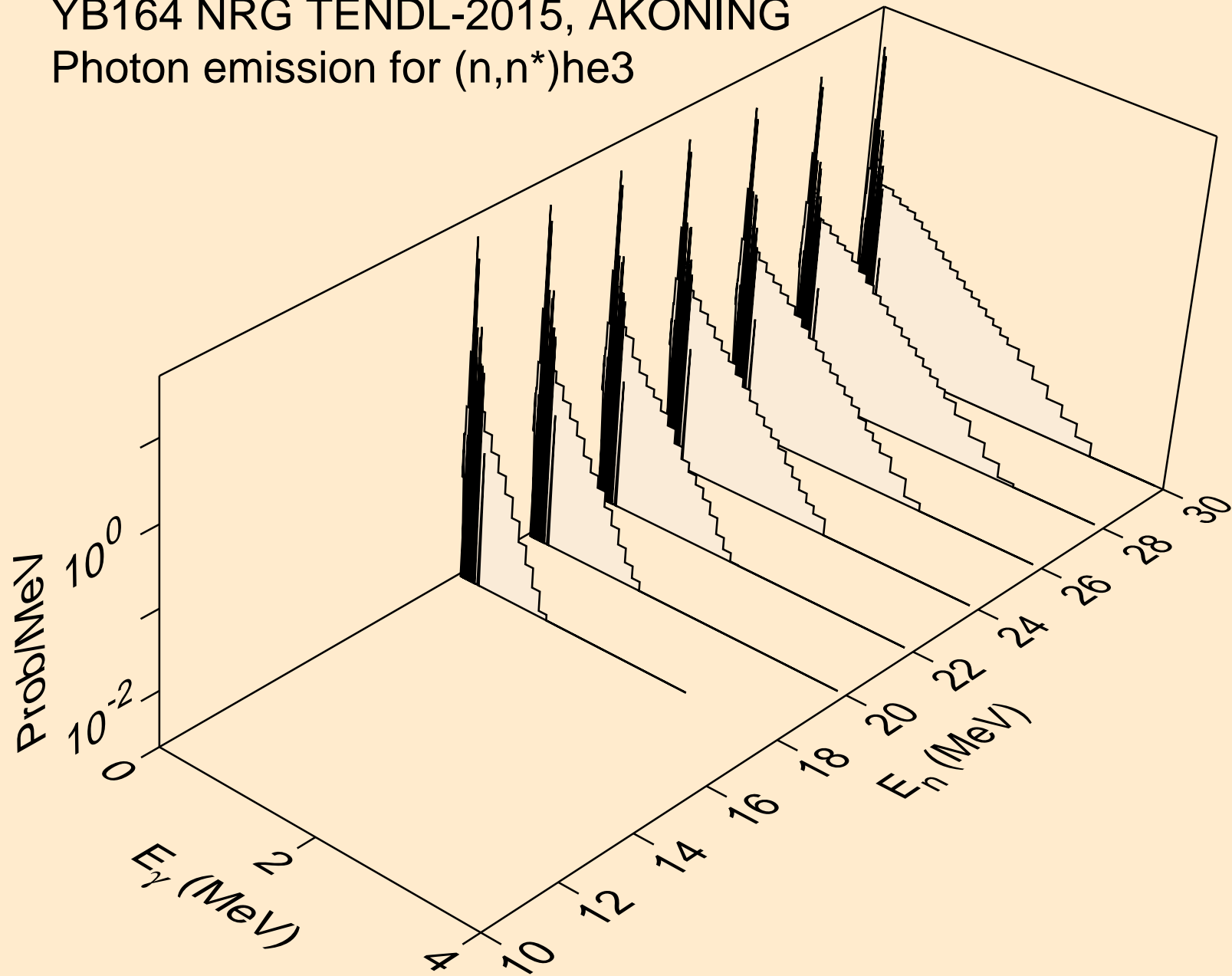
YB164 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d



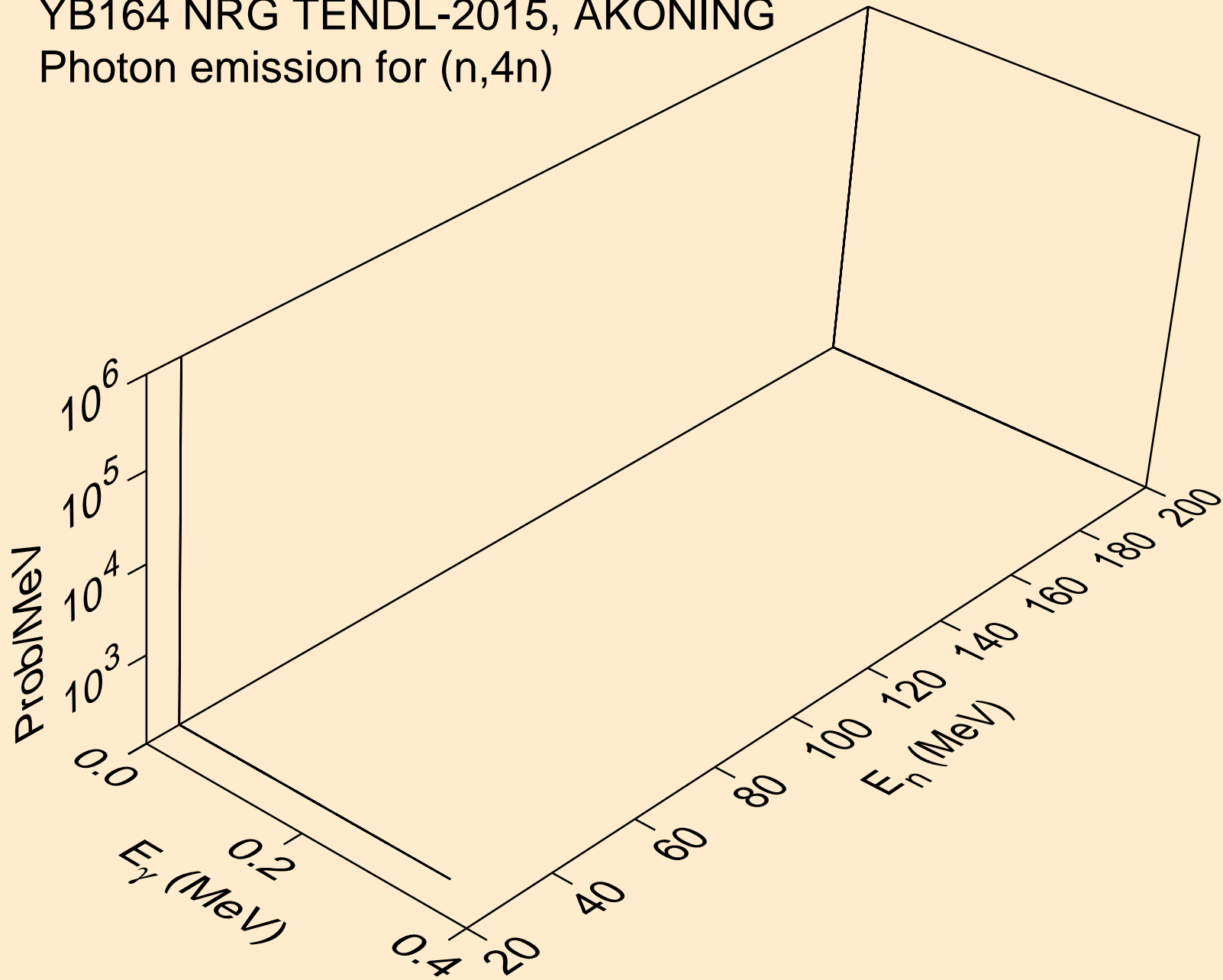
YB164 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



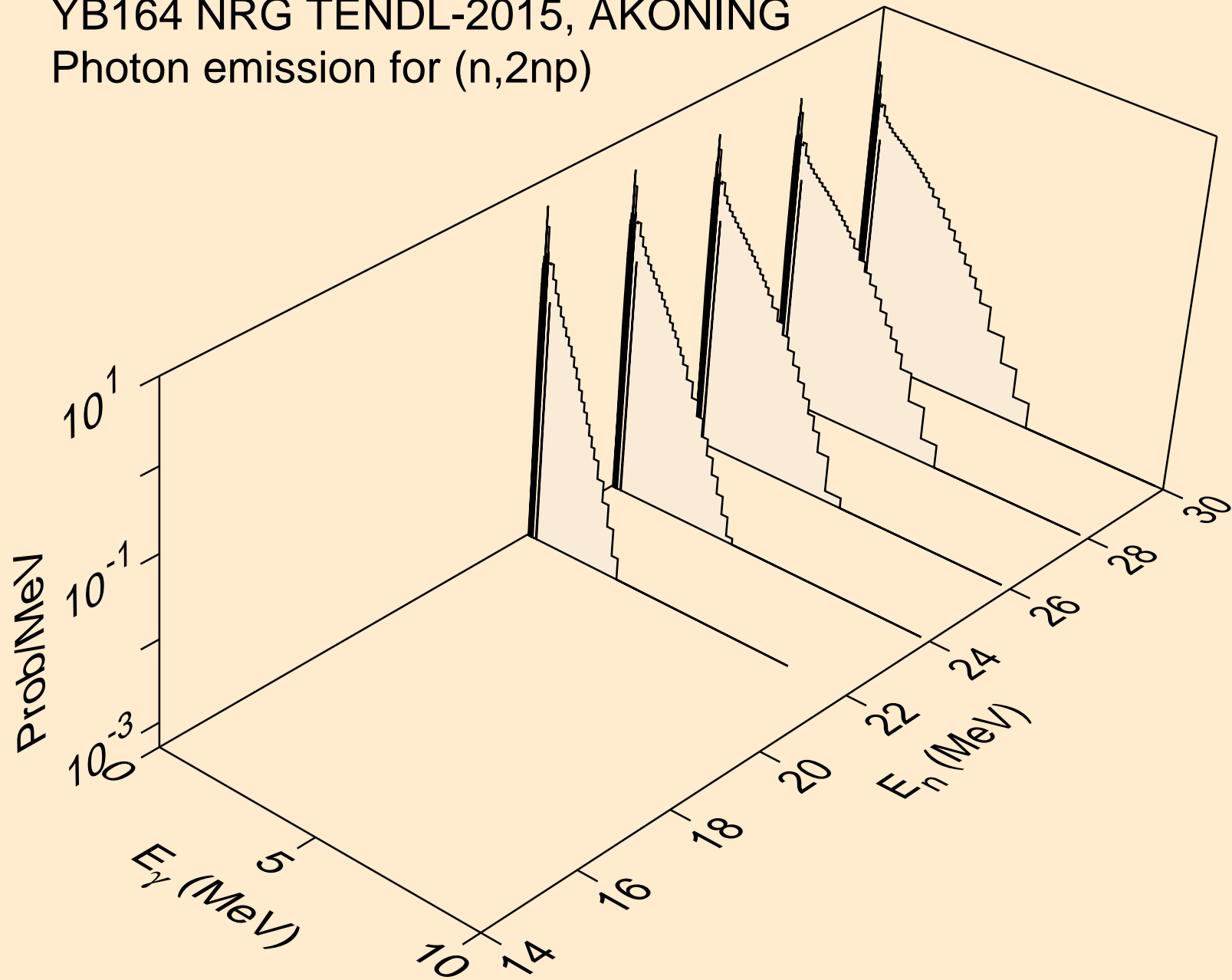
YB164 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



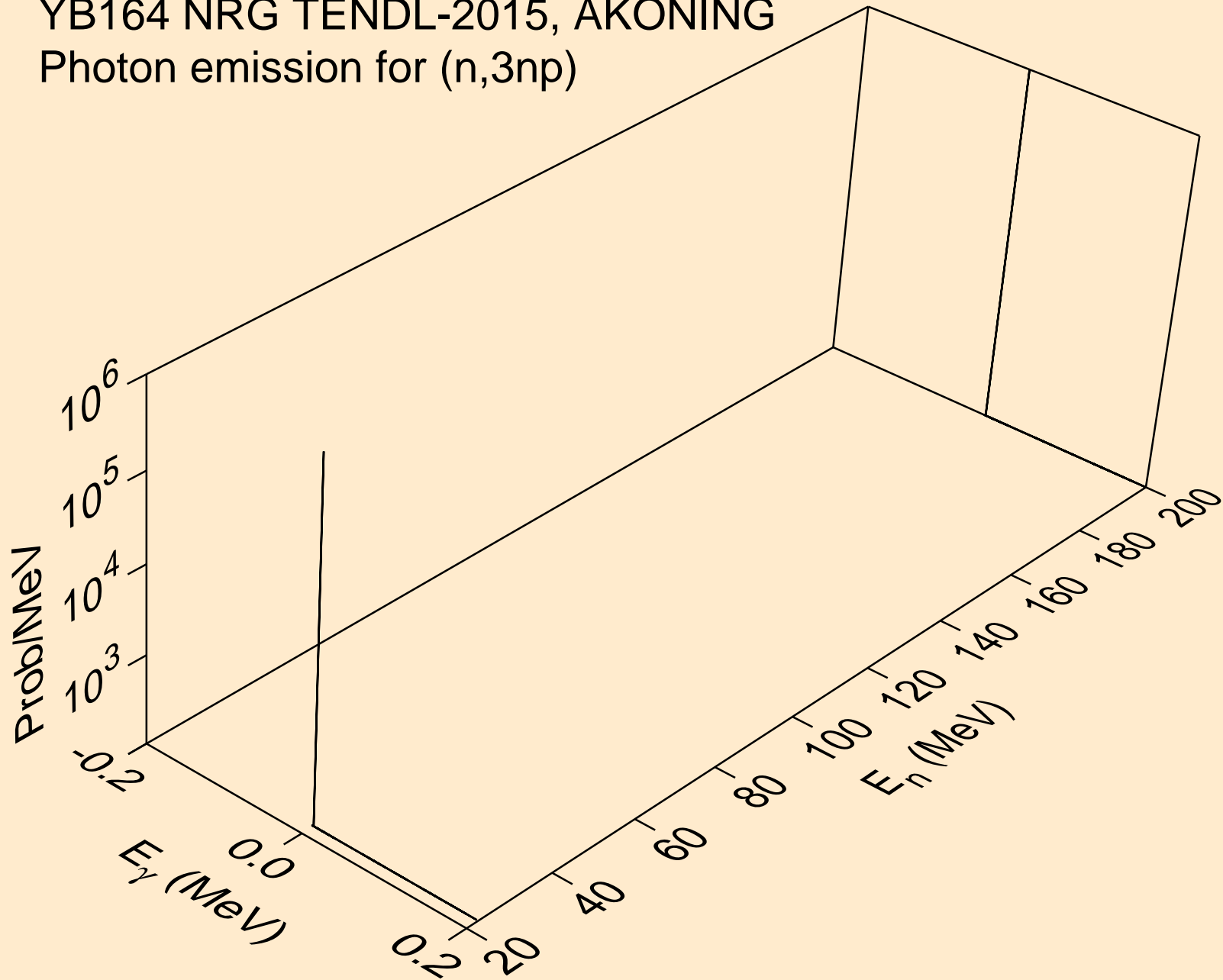
YB164 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



YB164 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)

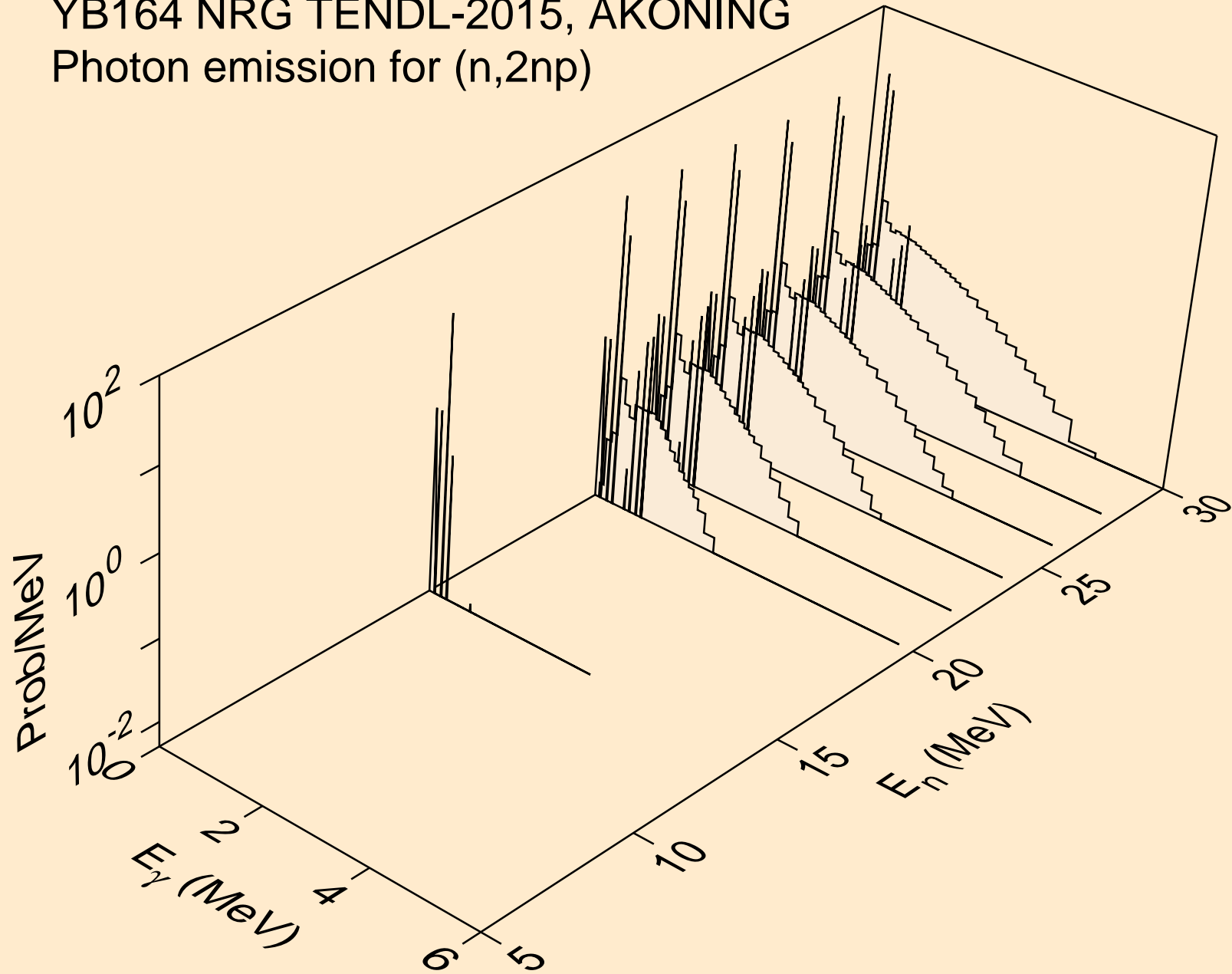


YB164 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)

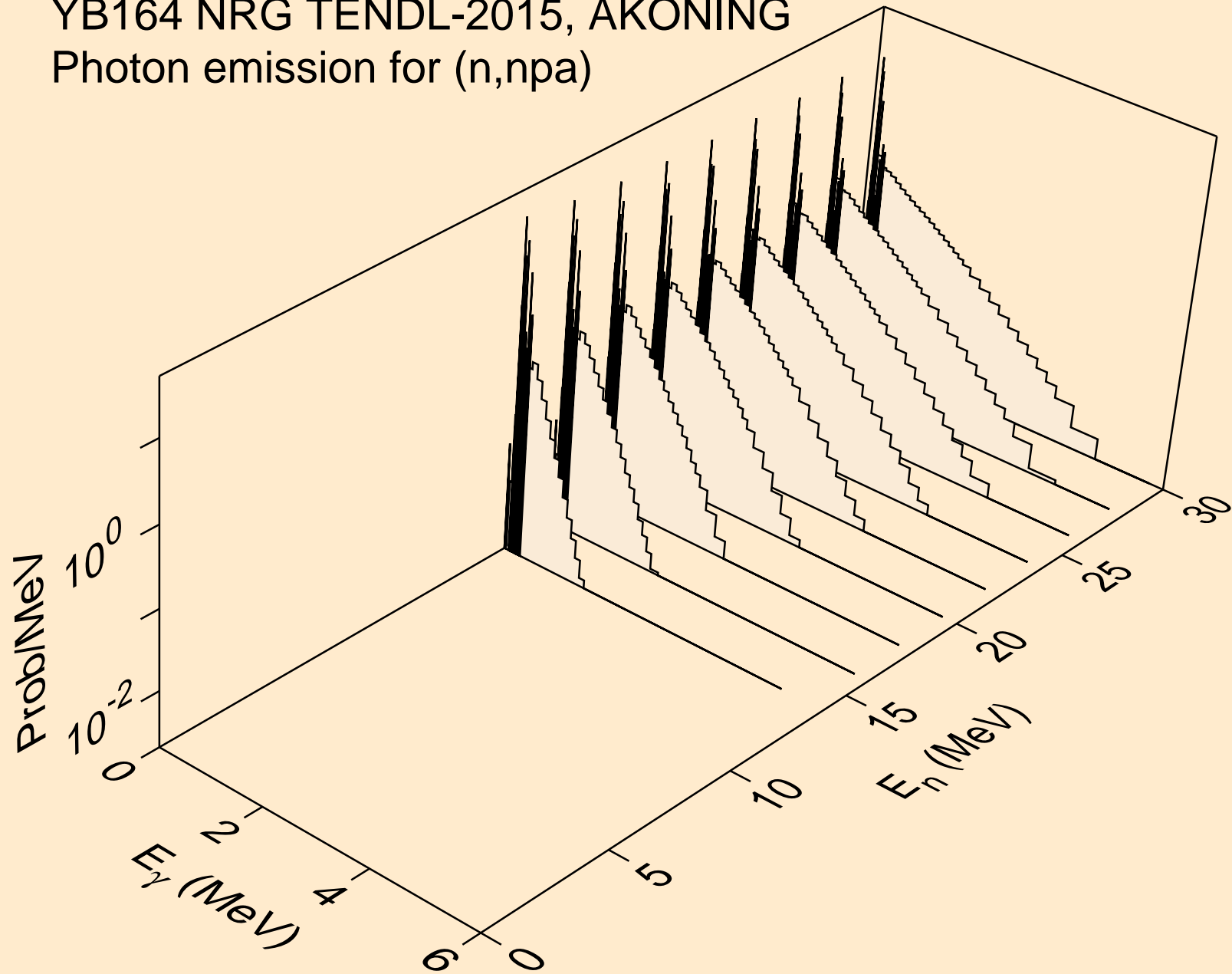




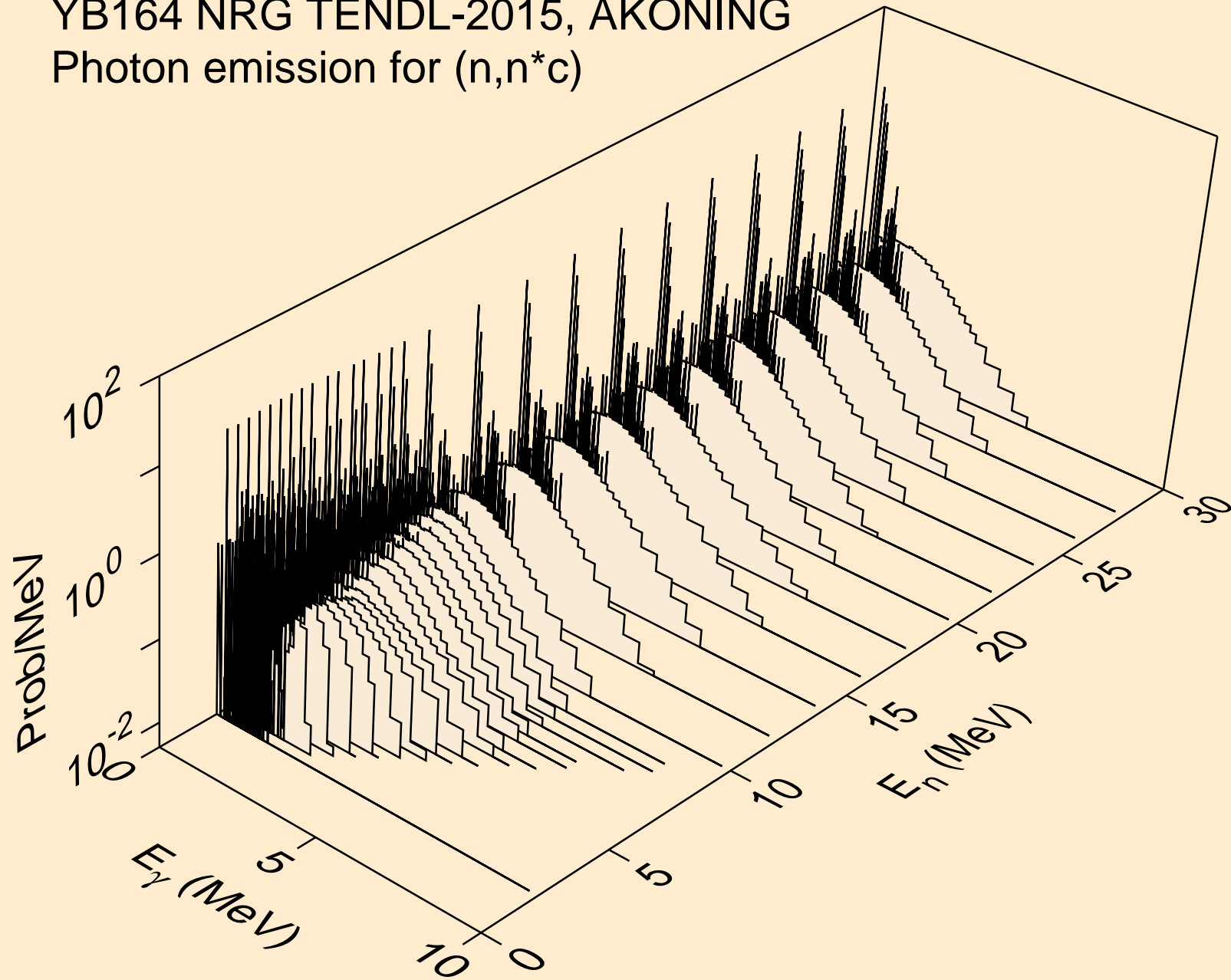
YB164 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



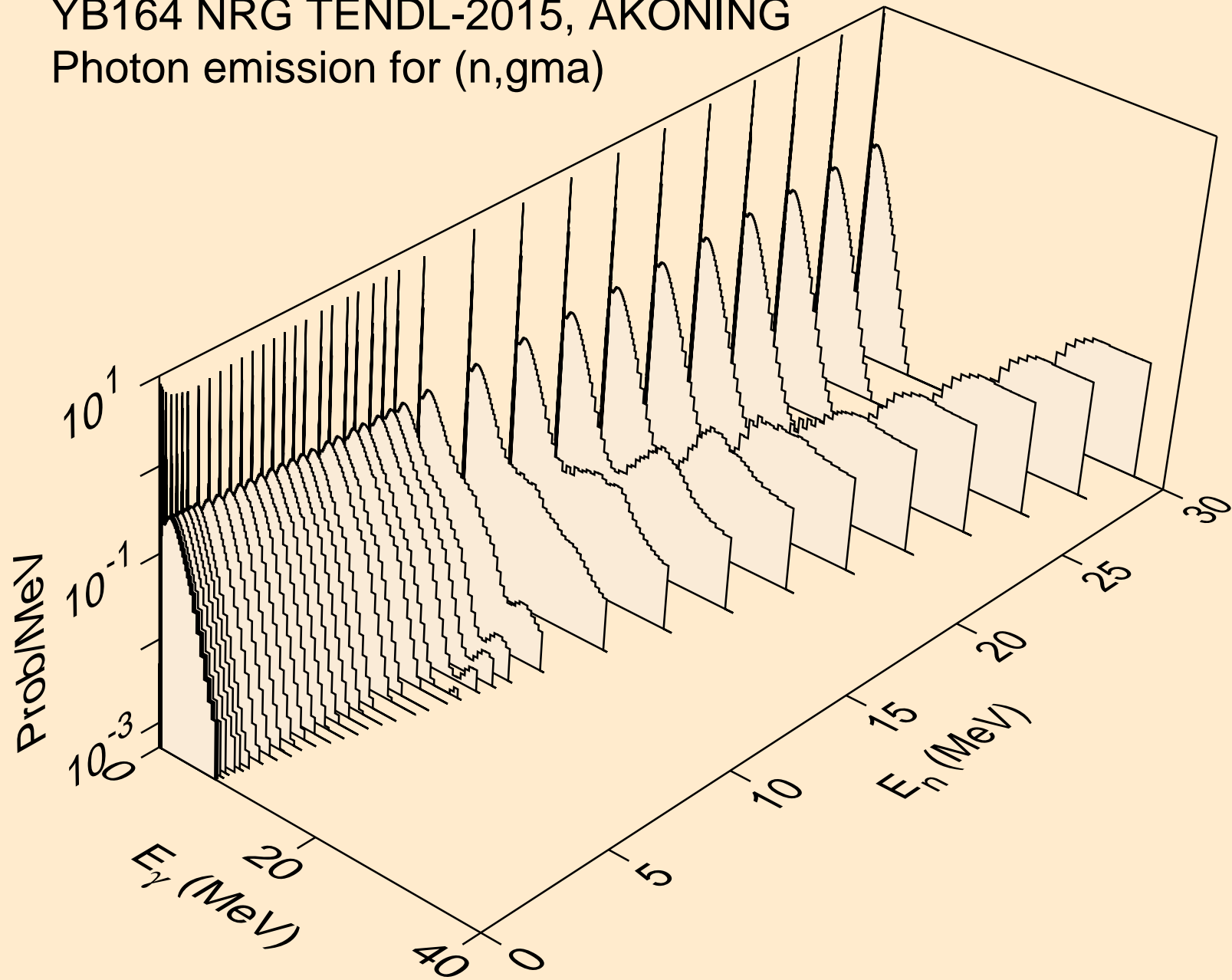
YB164 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



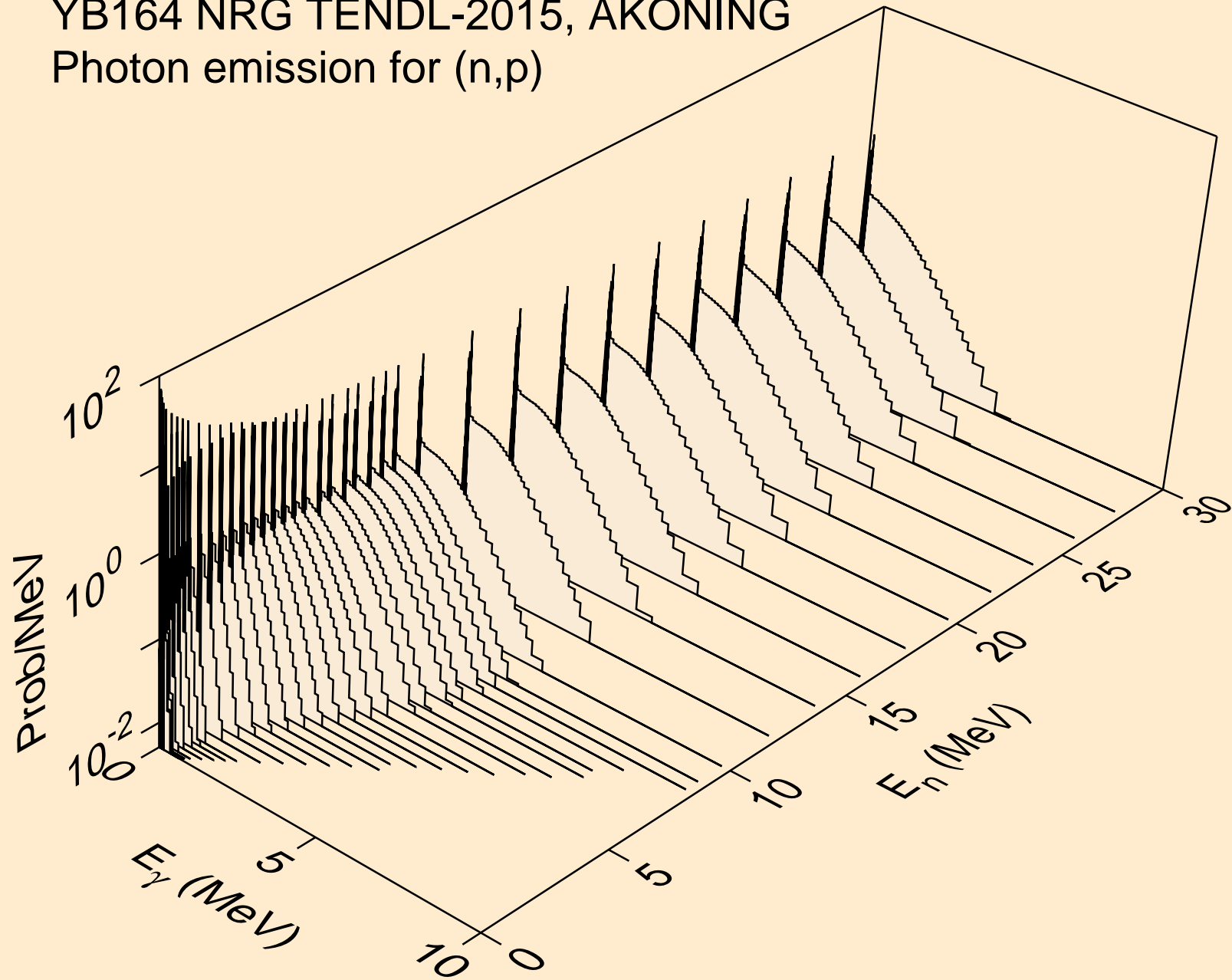
YB164 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



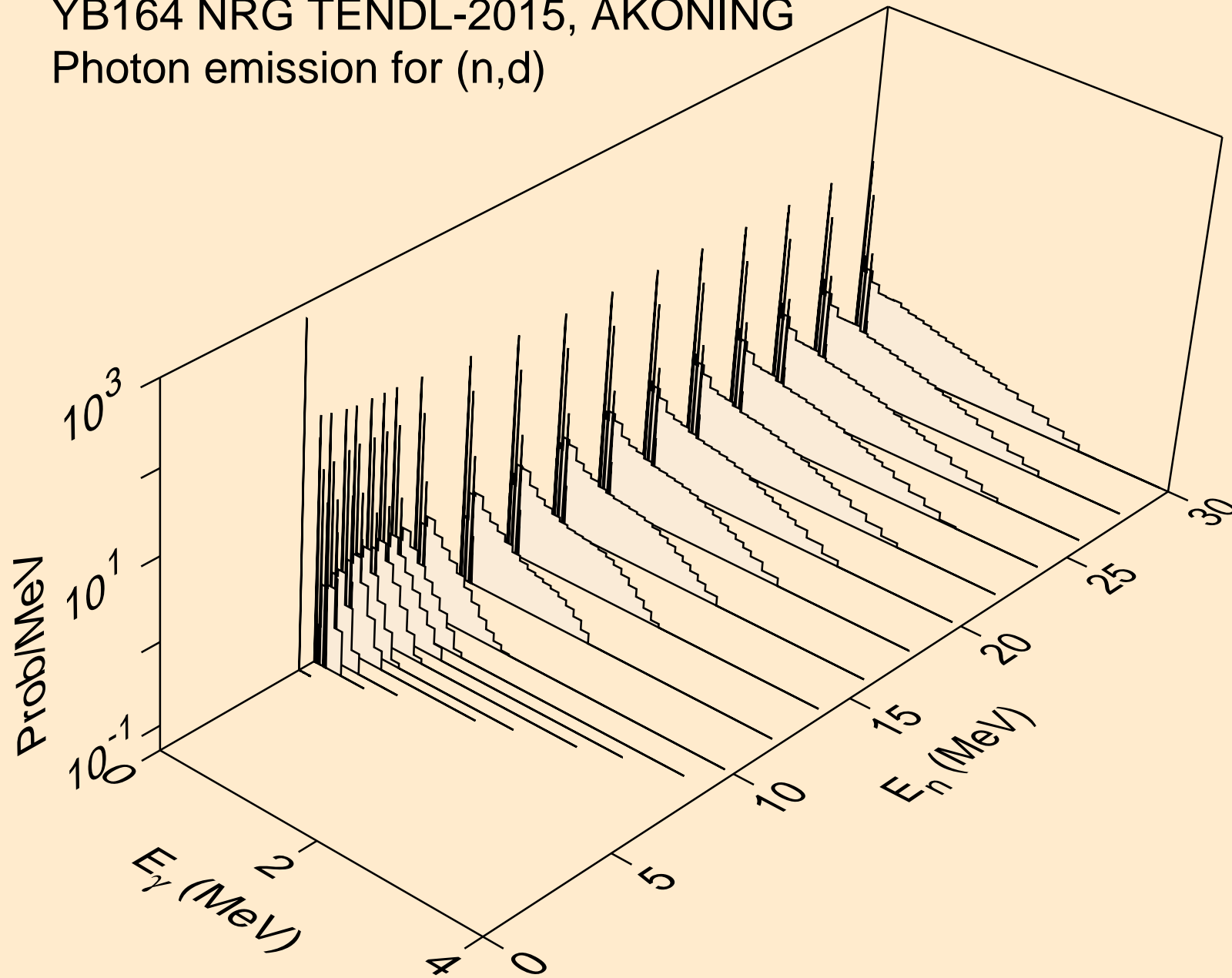
YB164 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



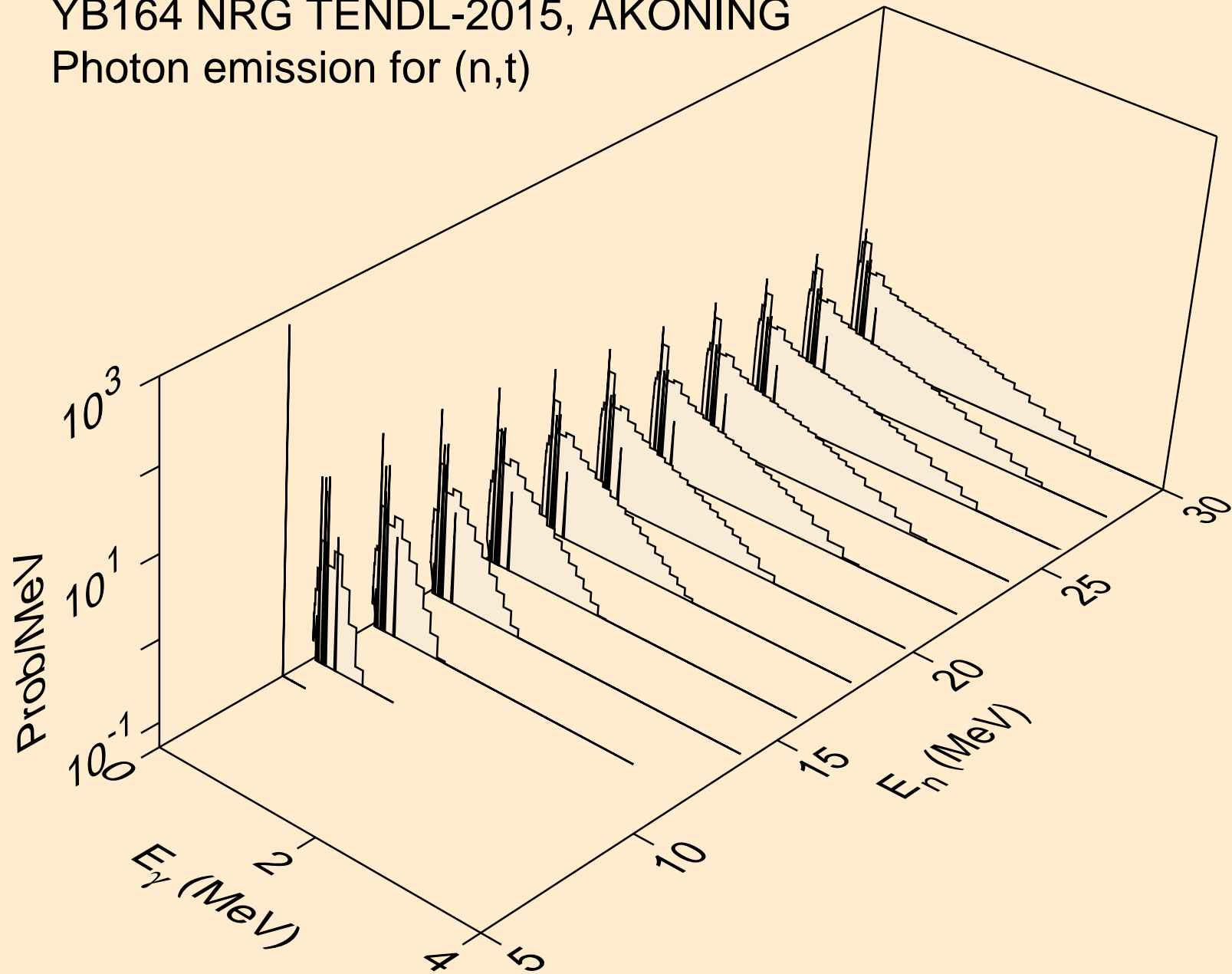
YB164 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



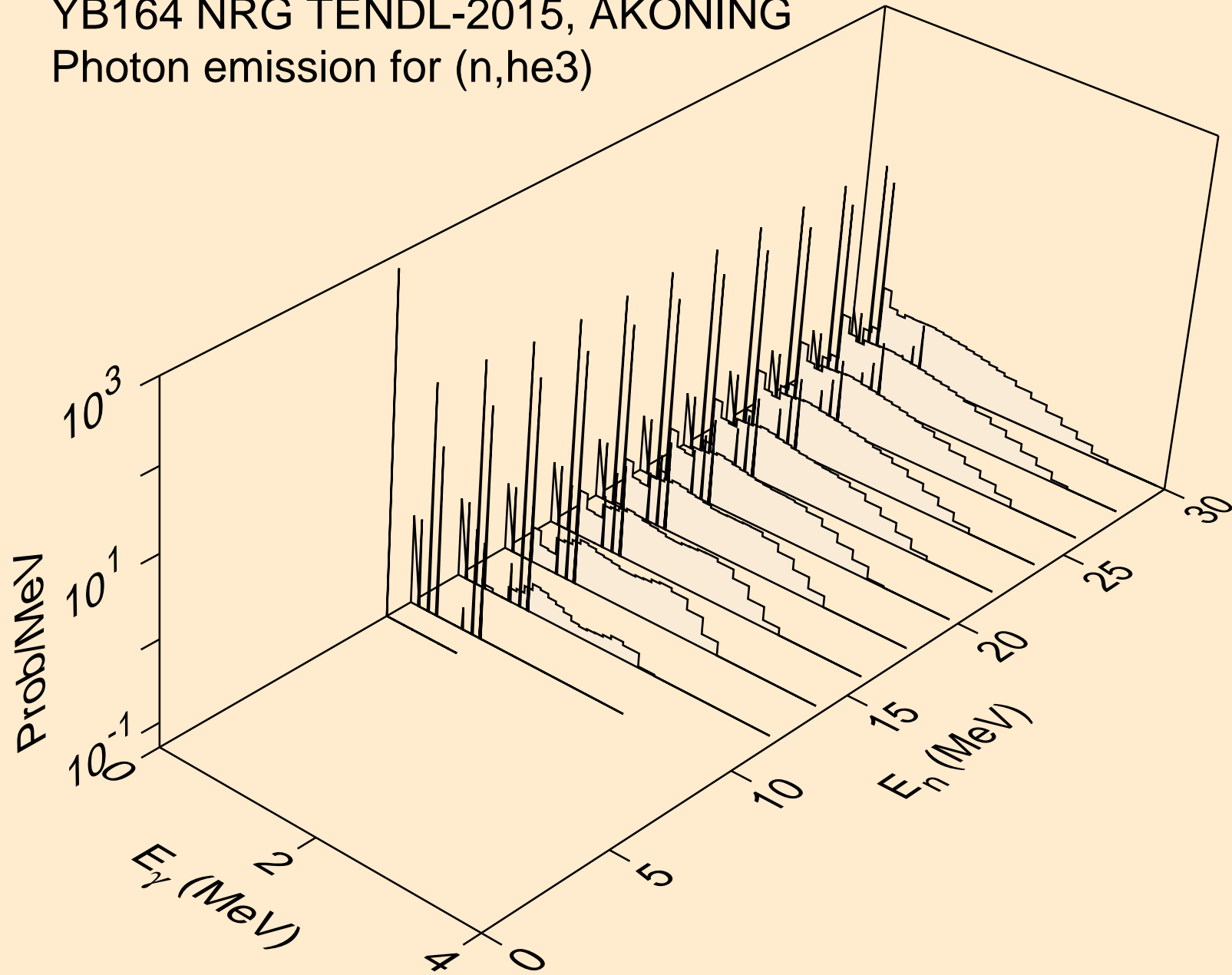
YB164 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



YB164 NRG TENDL-2015, AKONING  
Photon emission for (n,t)

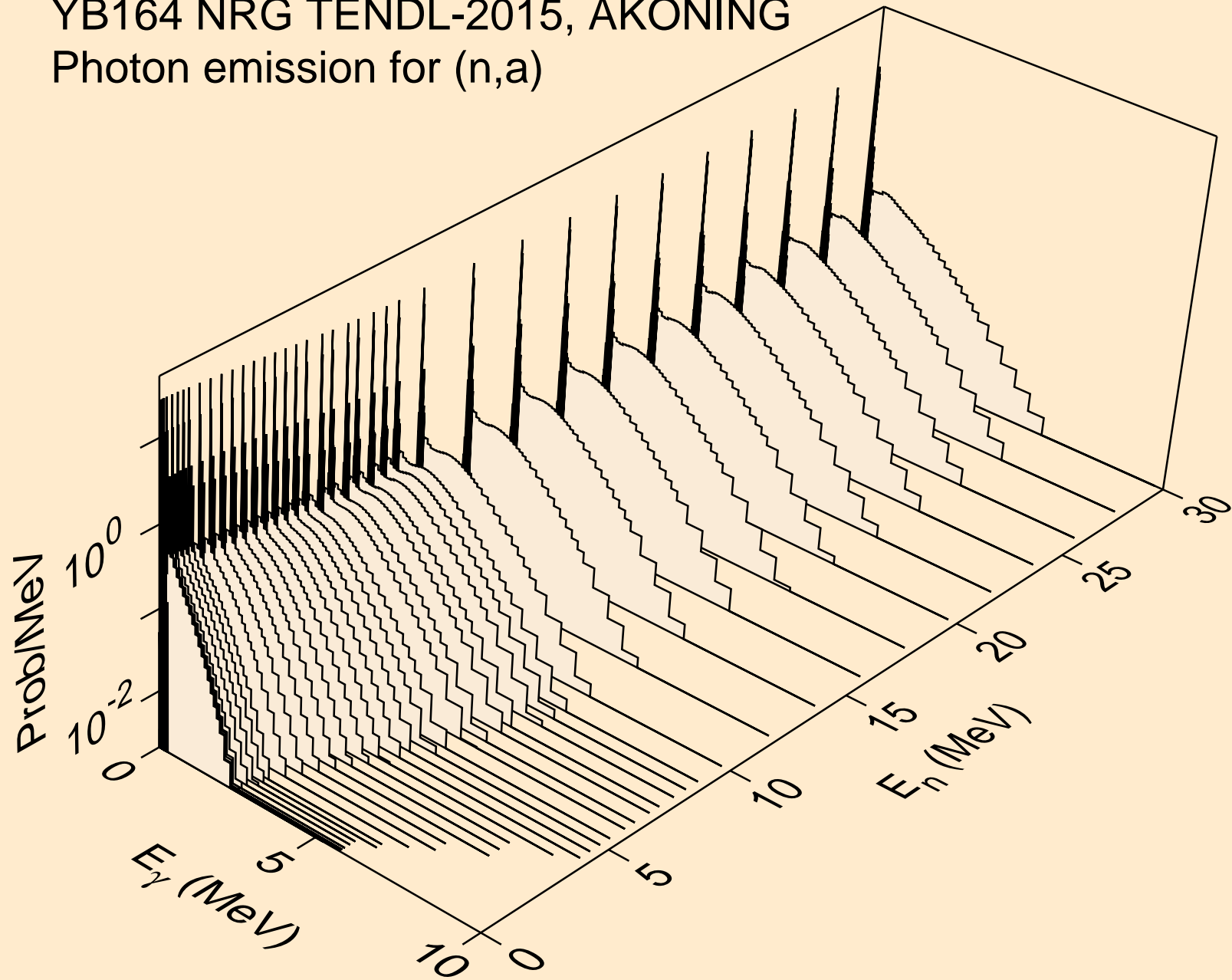


YB164 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)

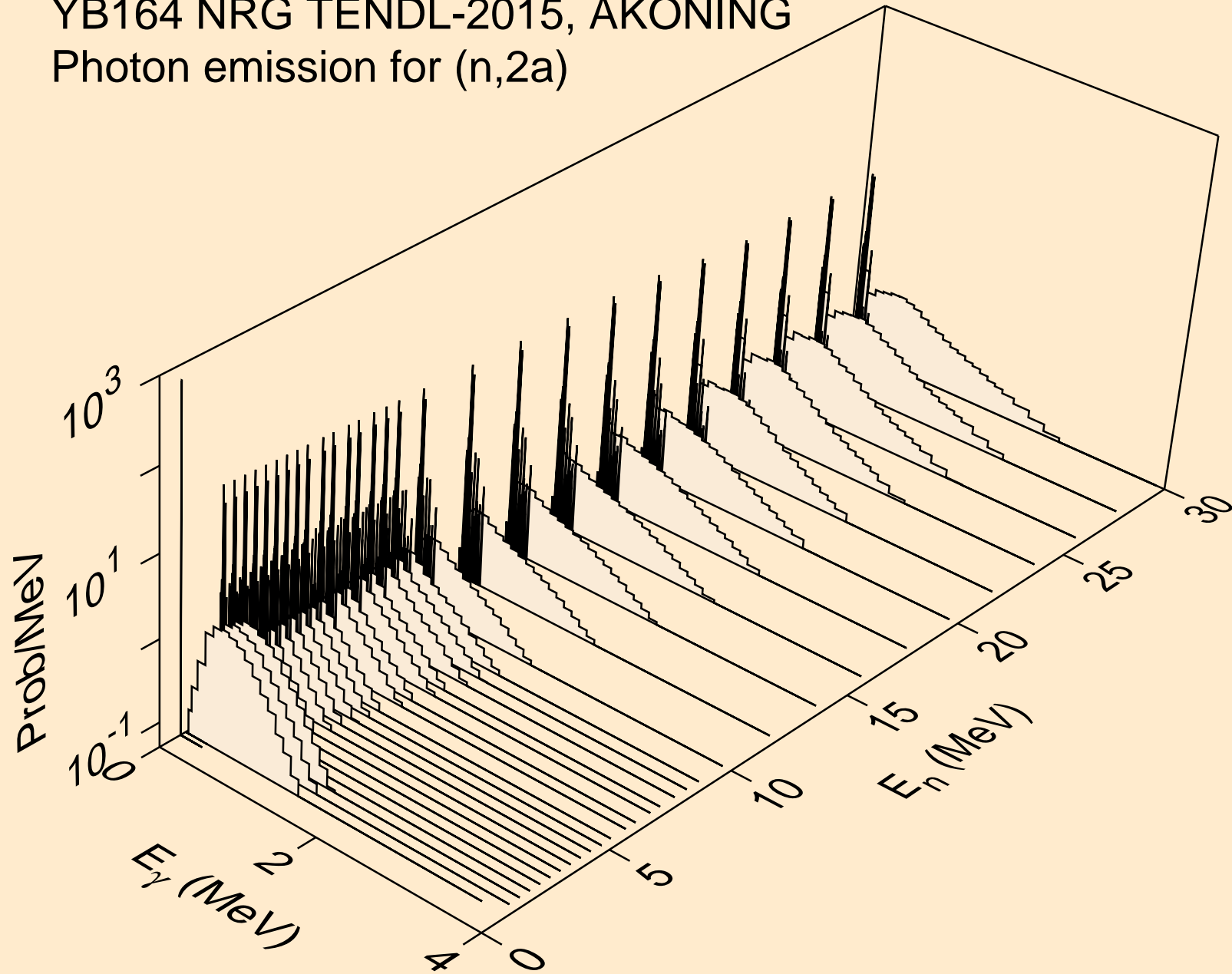




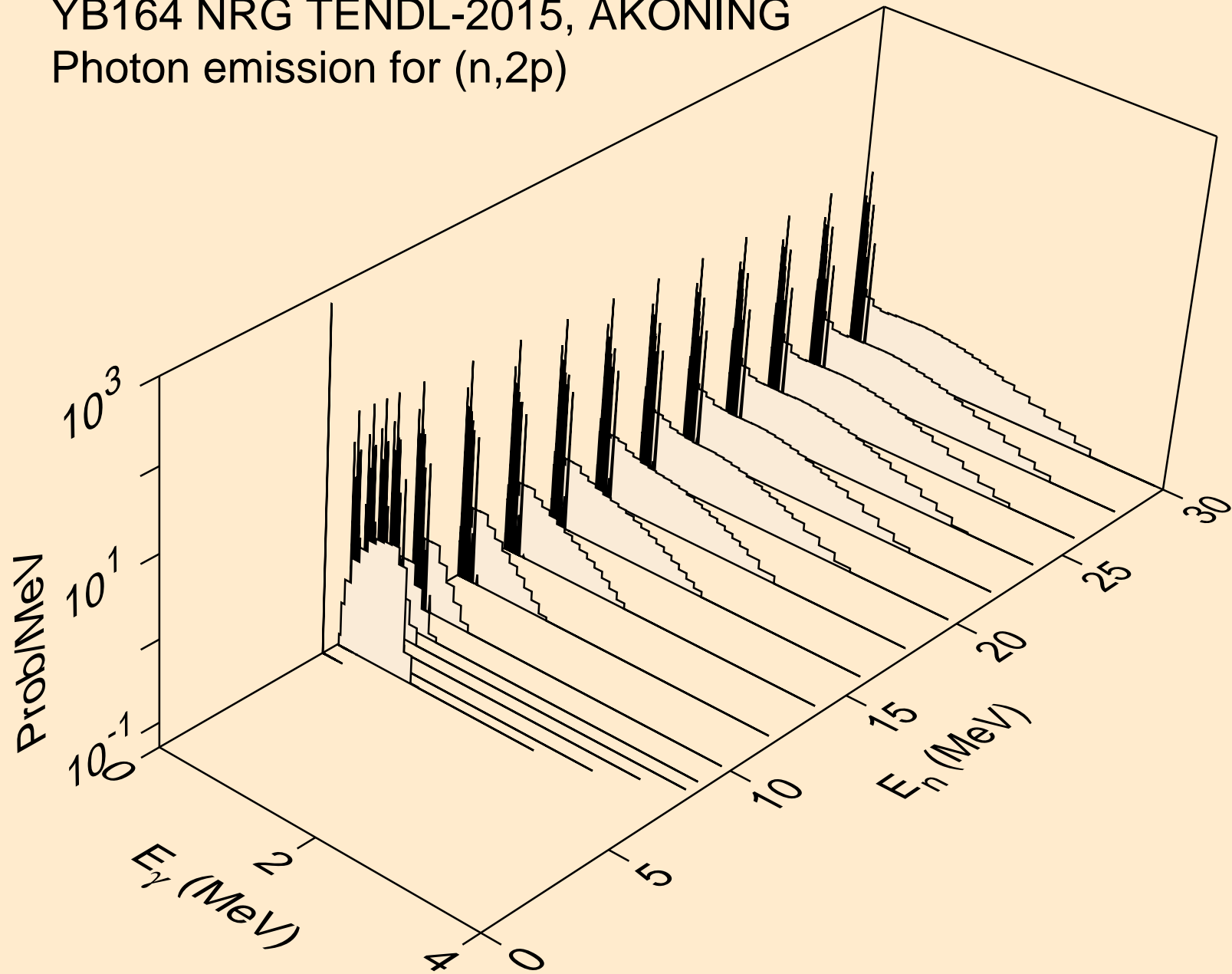
YB164 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



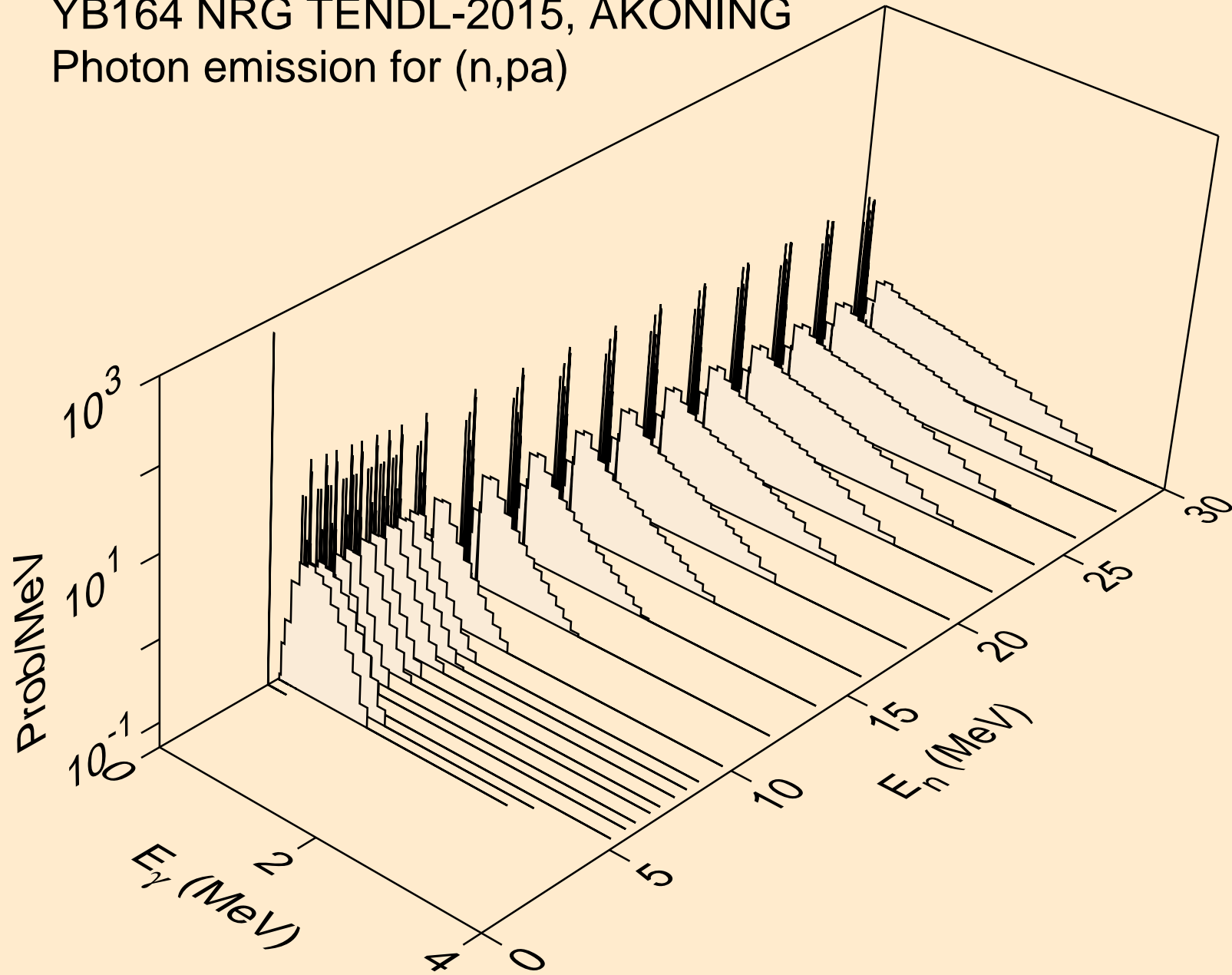
YB164 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



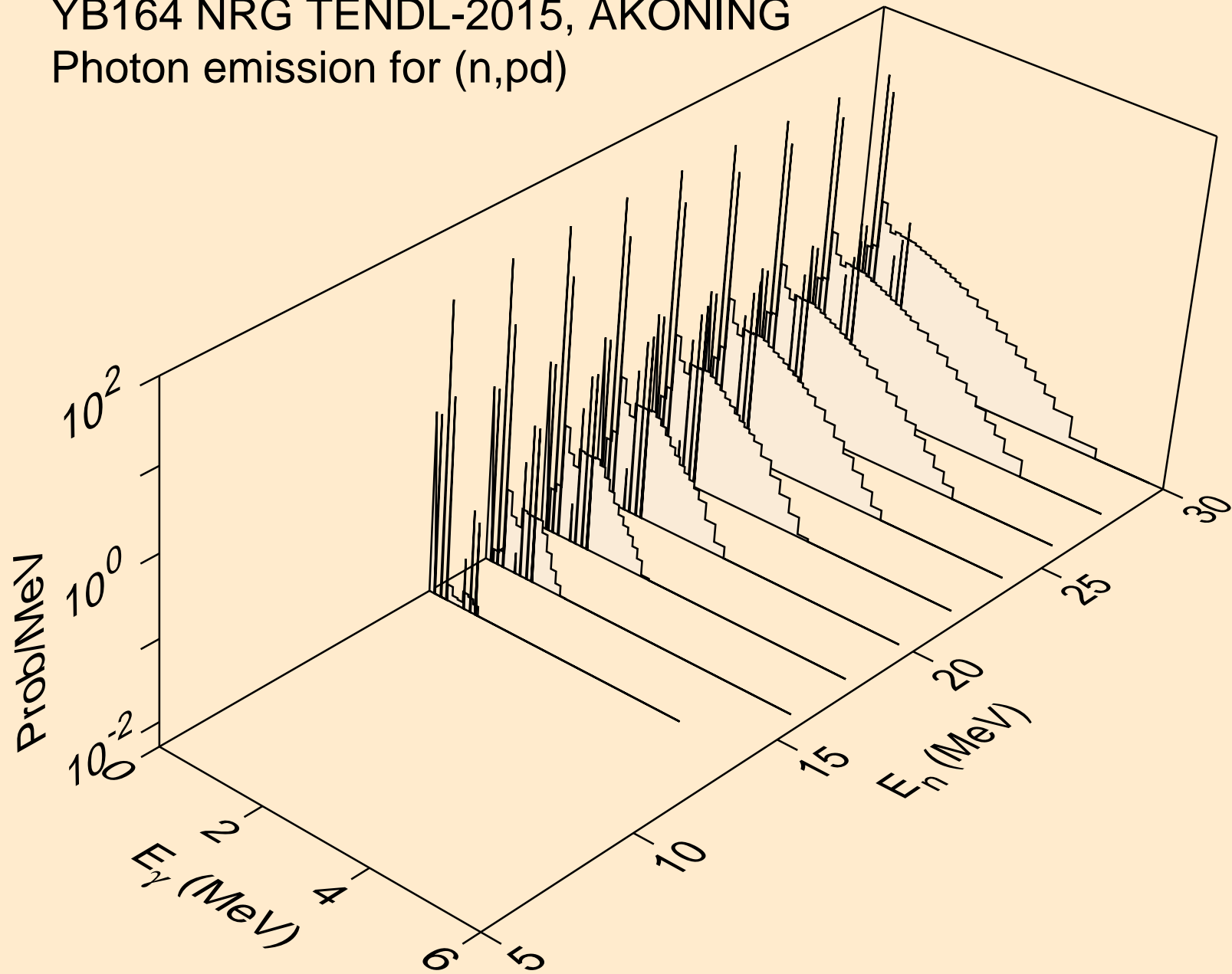
YB164 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



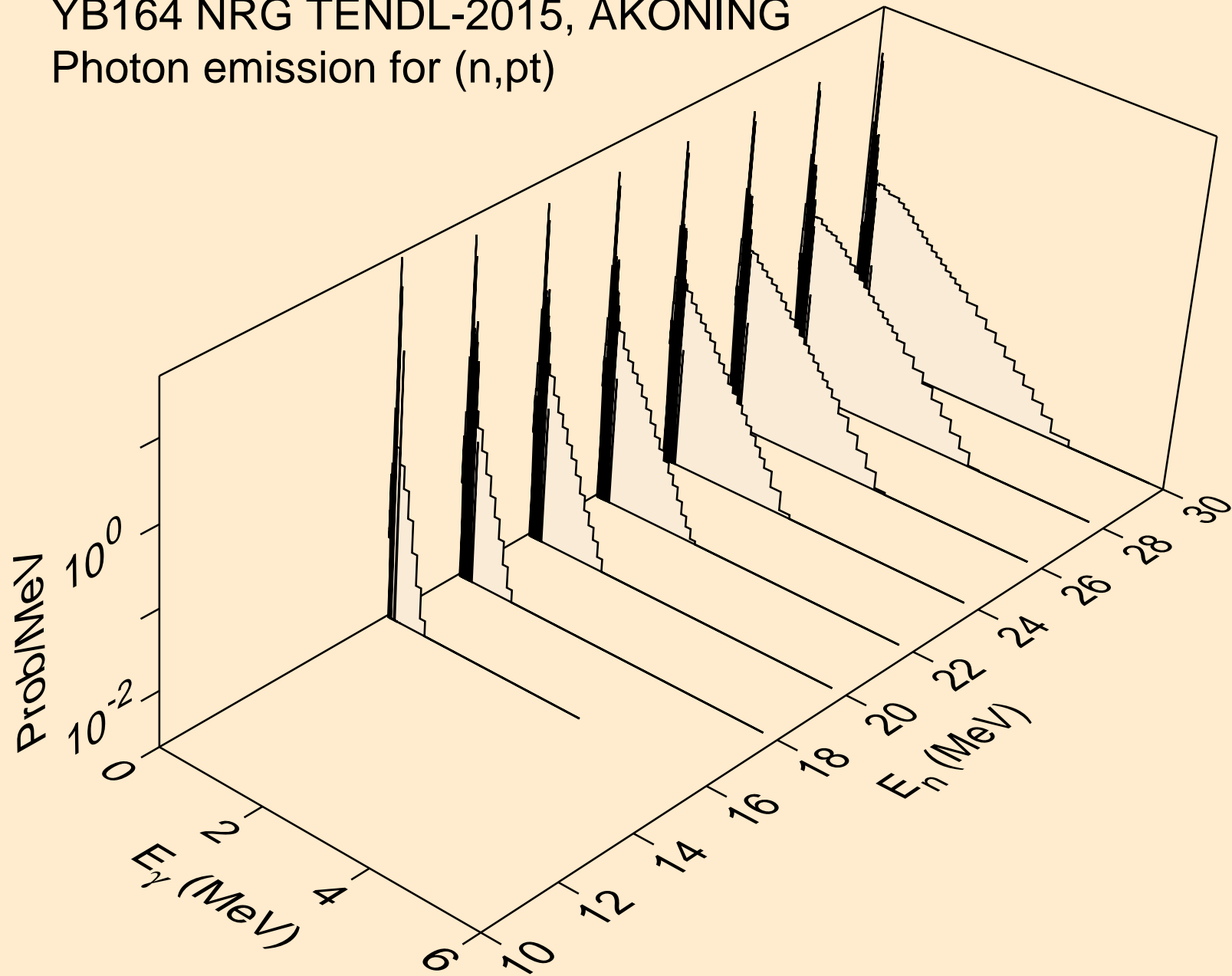
YB164 NRG TENDL-2015, AKONING  
Photon emission for (n,p $\alpha$ )



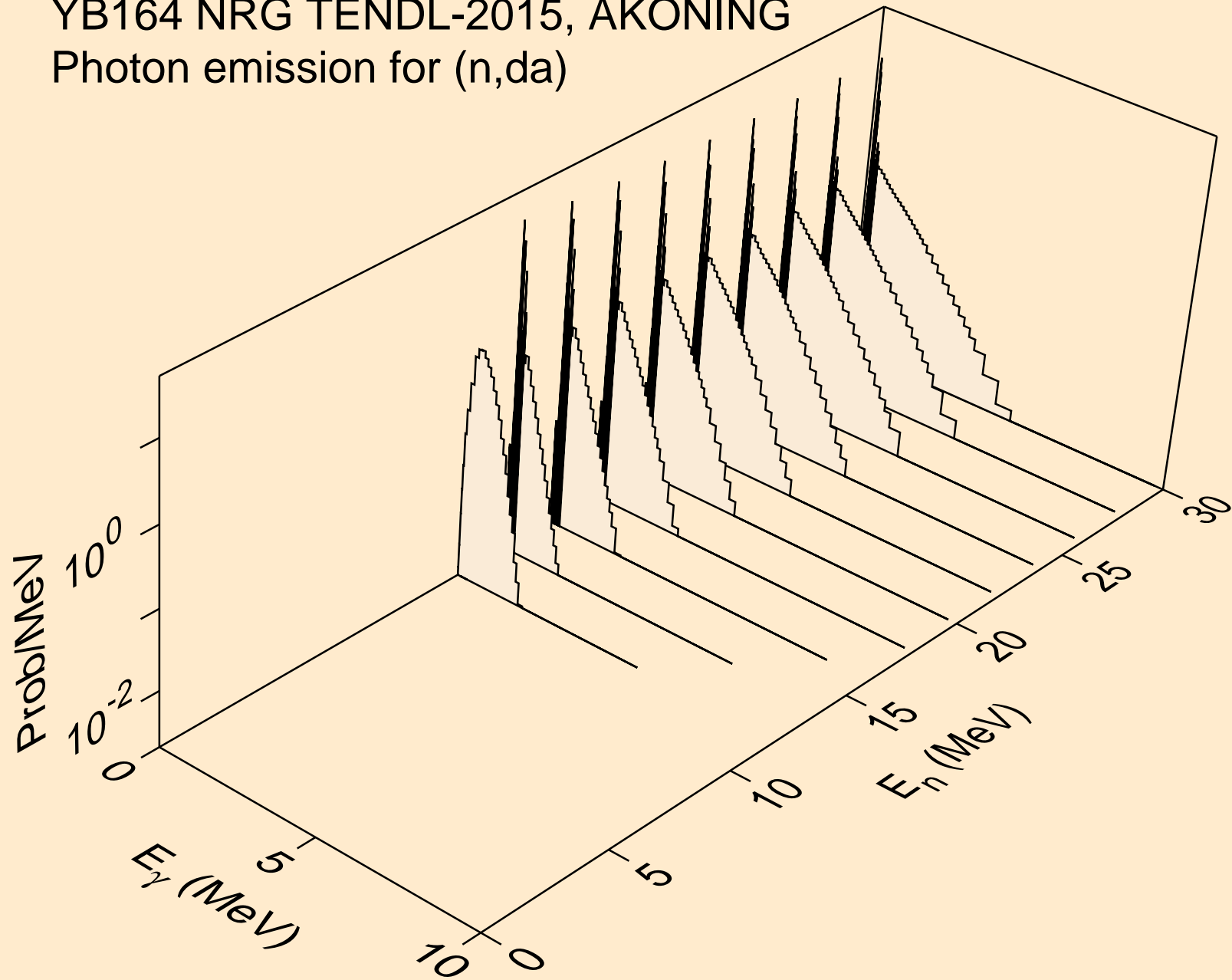
YB164 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



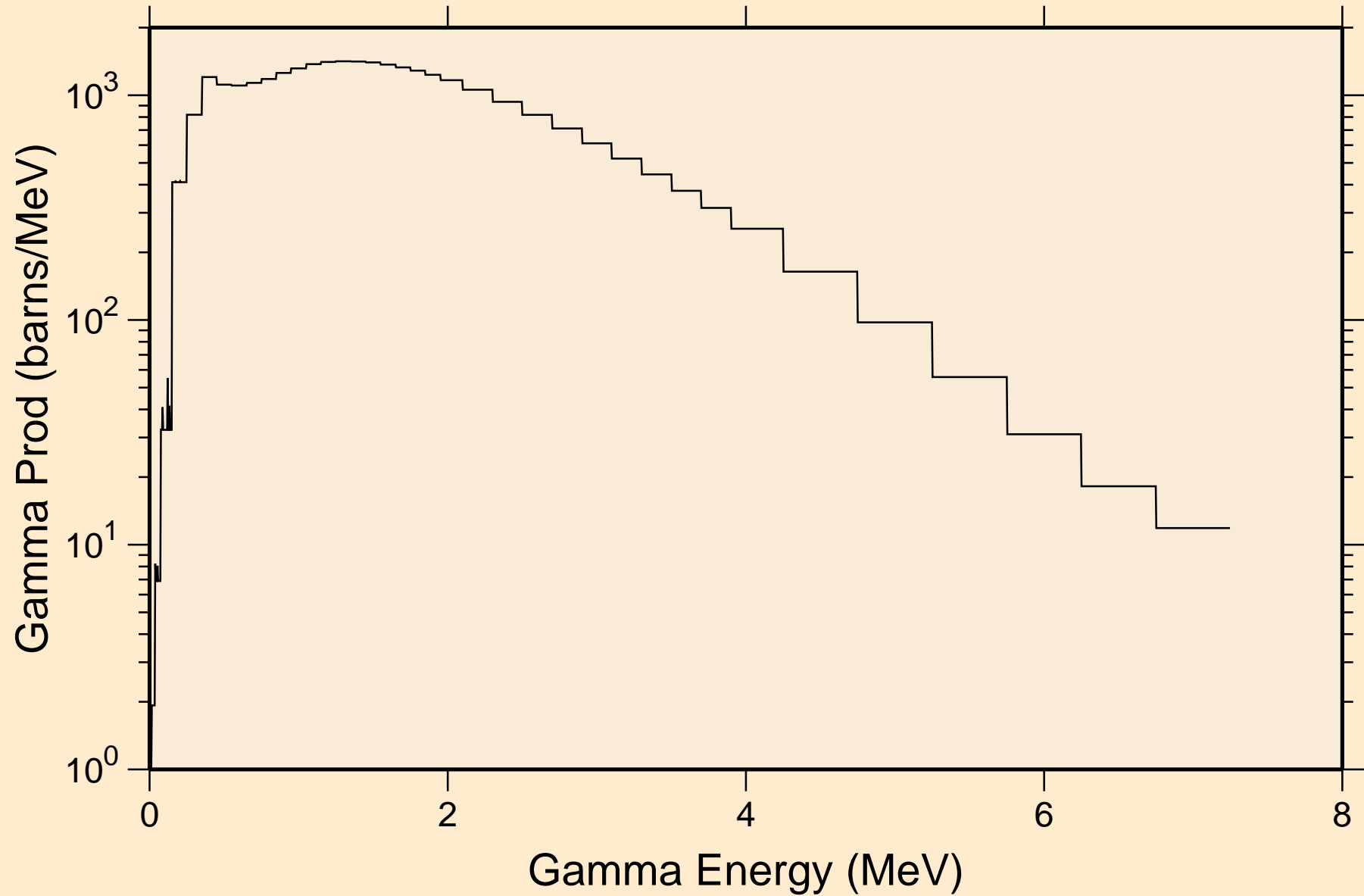
YB164 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



YB164 NRG TENDL-2015, AKONING  
Photon emission for (n,da)

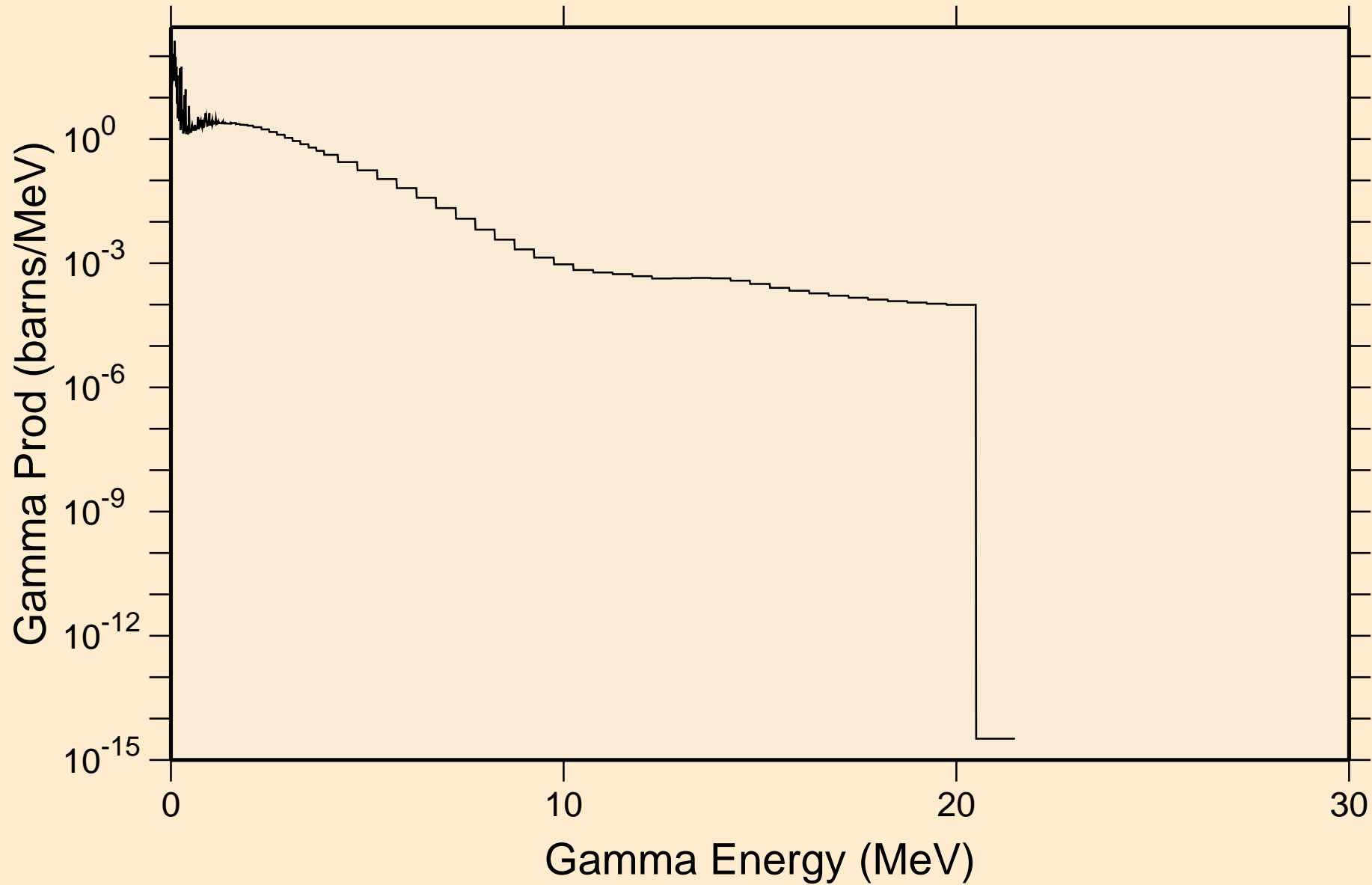


YB164 NRG TENDL-2015, AKONING  
thermal capture photon spectrum



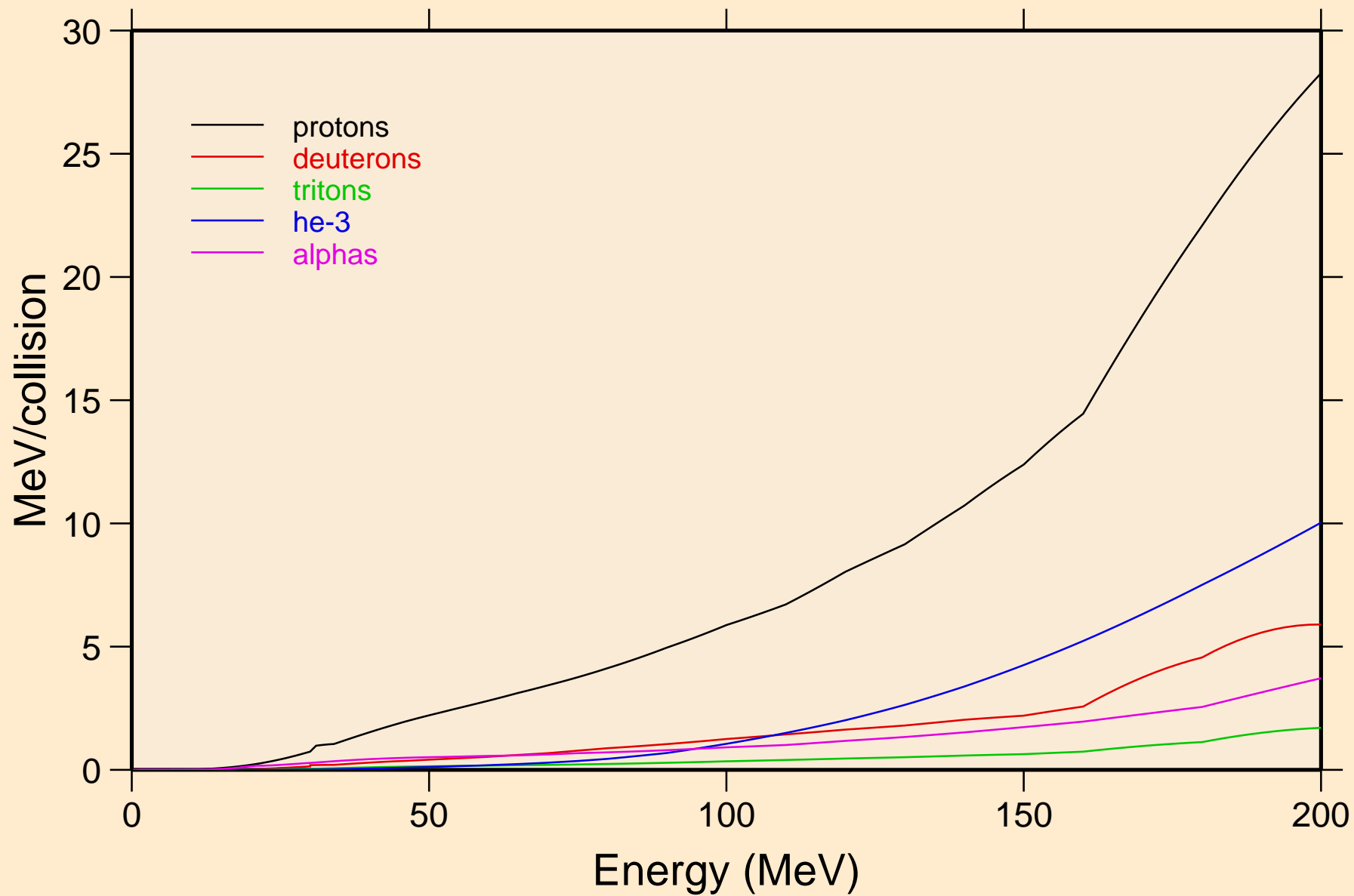


YB164 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



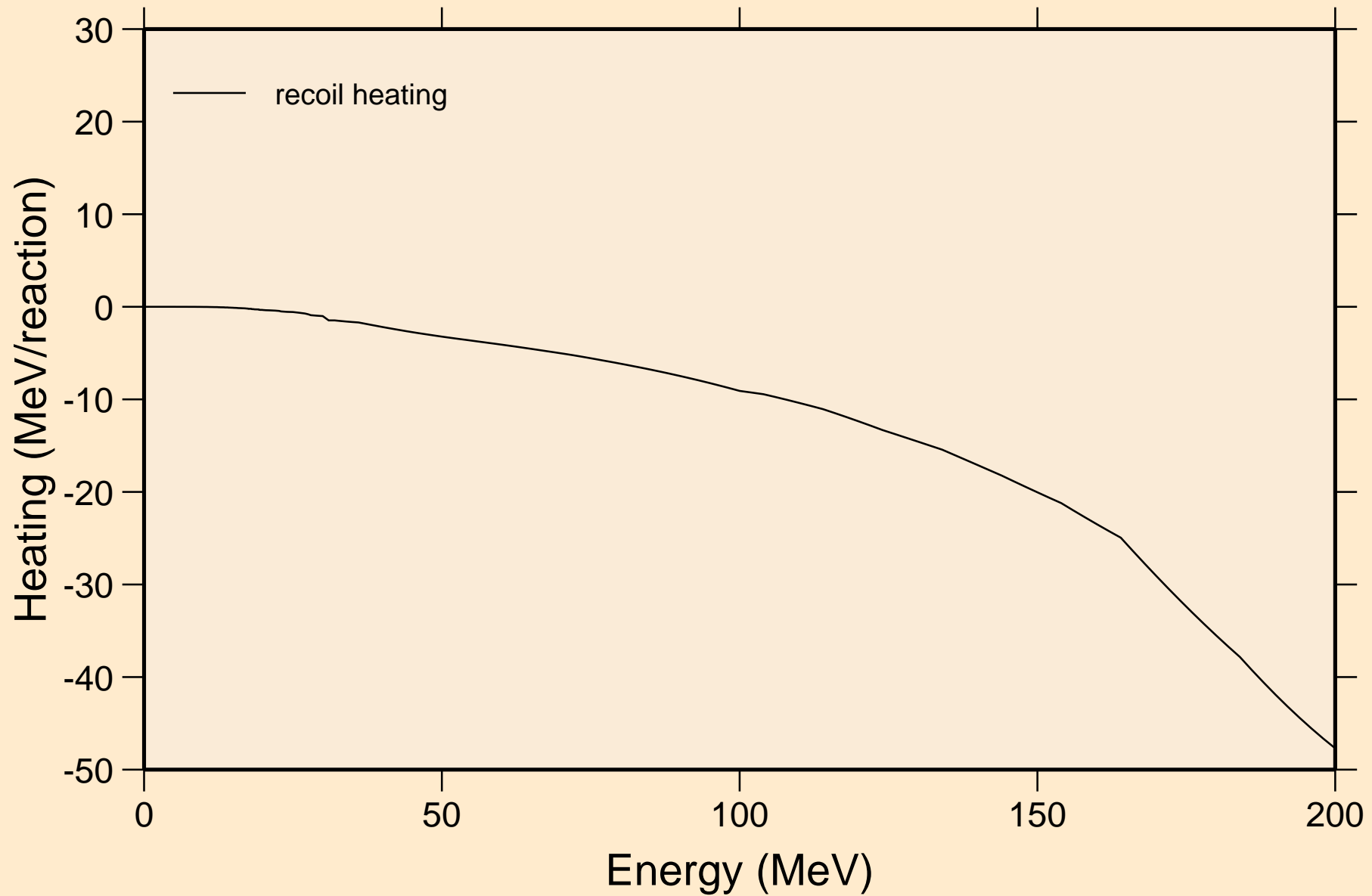
# YB164 NRG TENDL-2015, AKONING

## Particle heating contributions



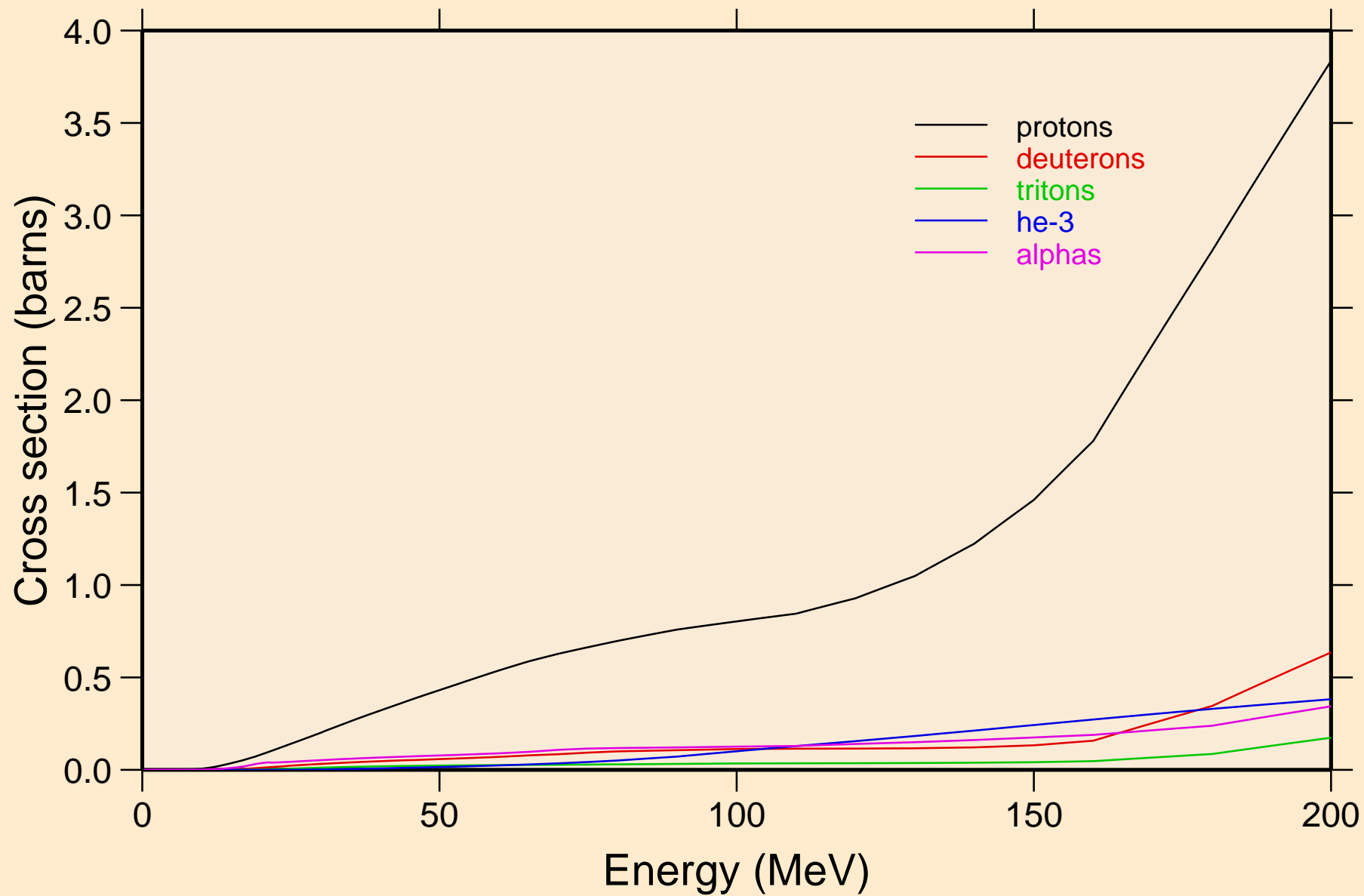
# YB164 NRG TENDL-2015, AKONING

## Recoil Heating

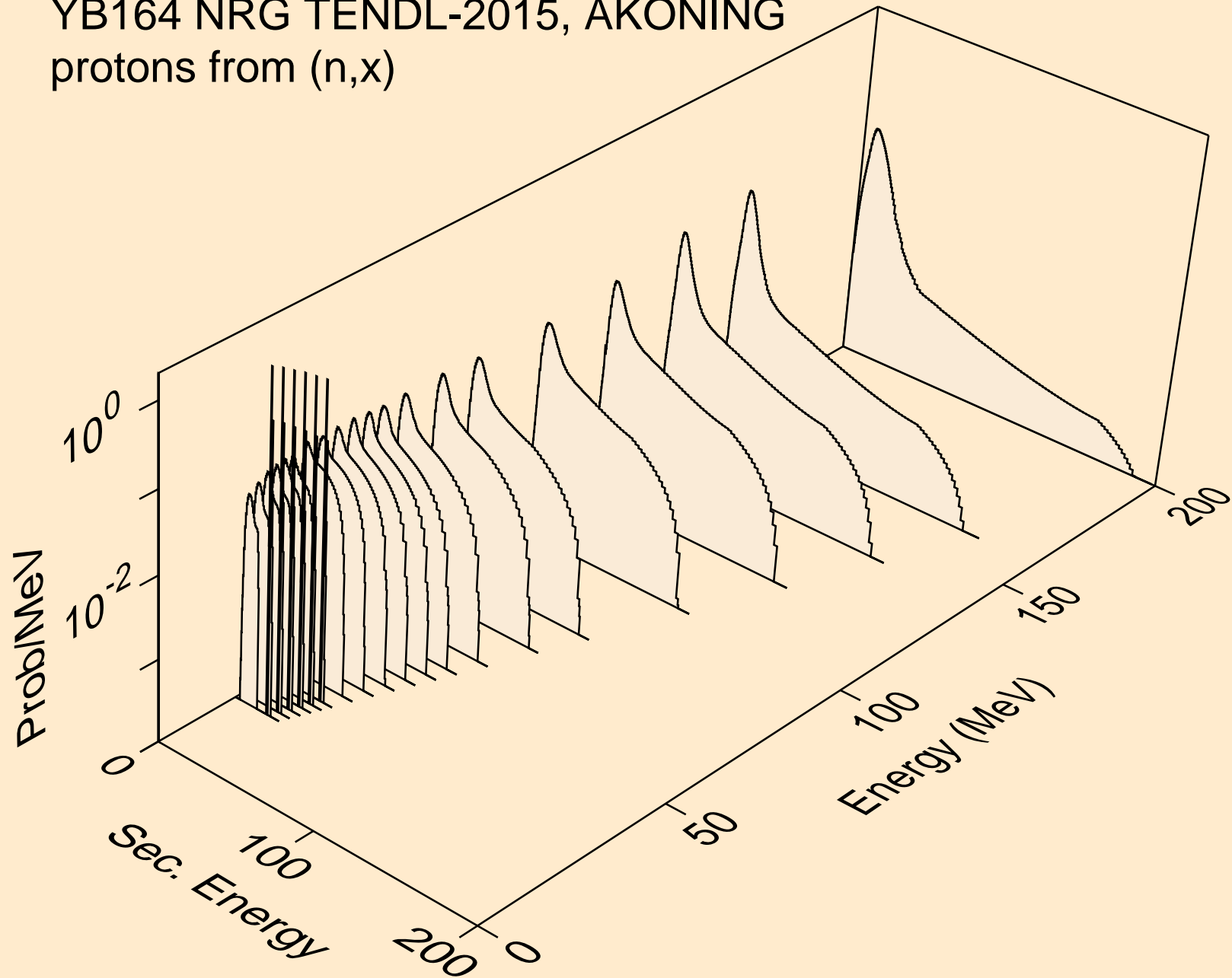


# YB164 NRG TENDL-2015, AKONING

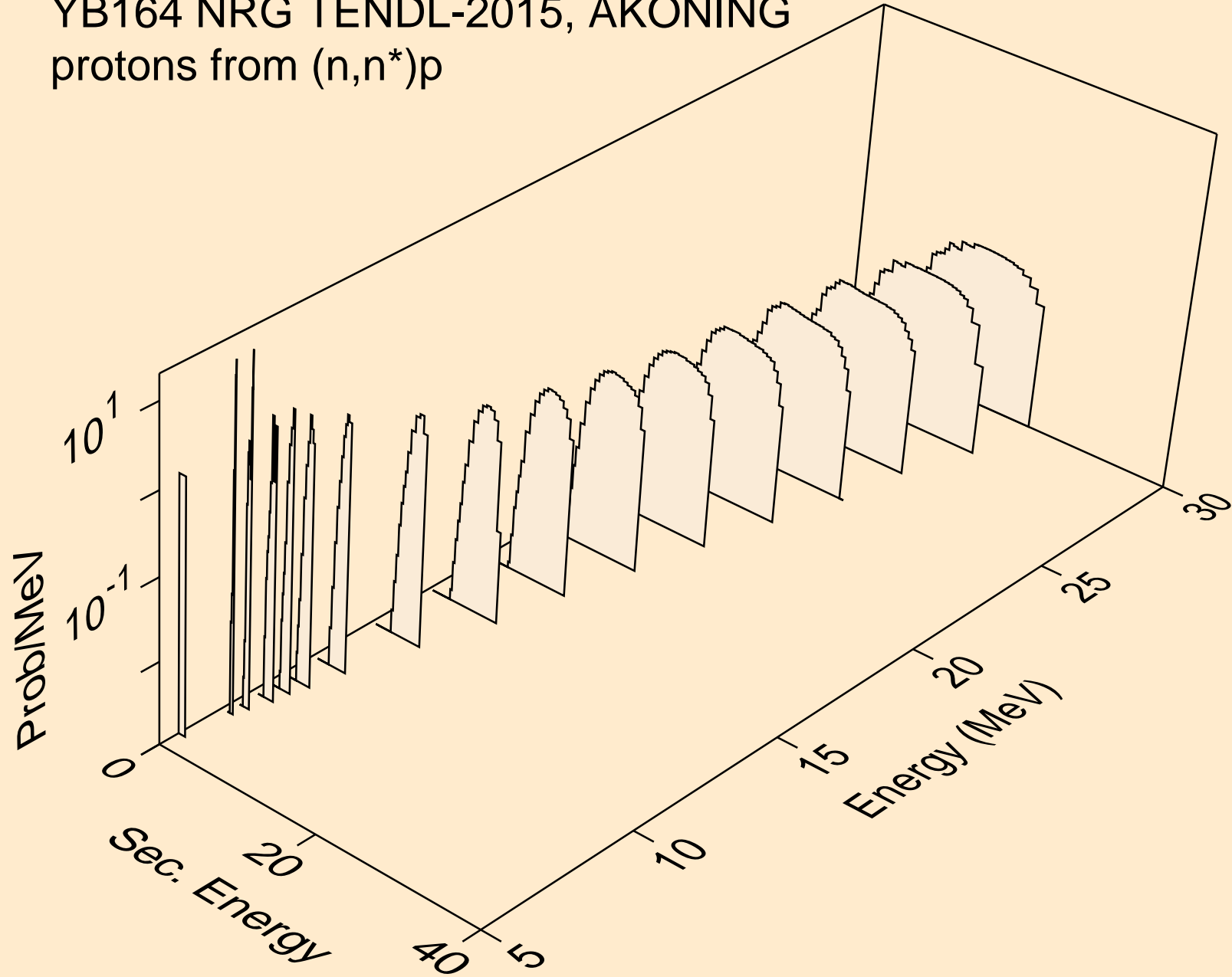
## Particle production cross sections



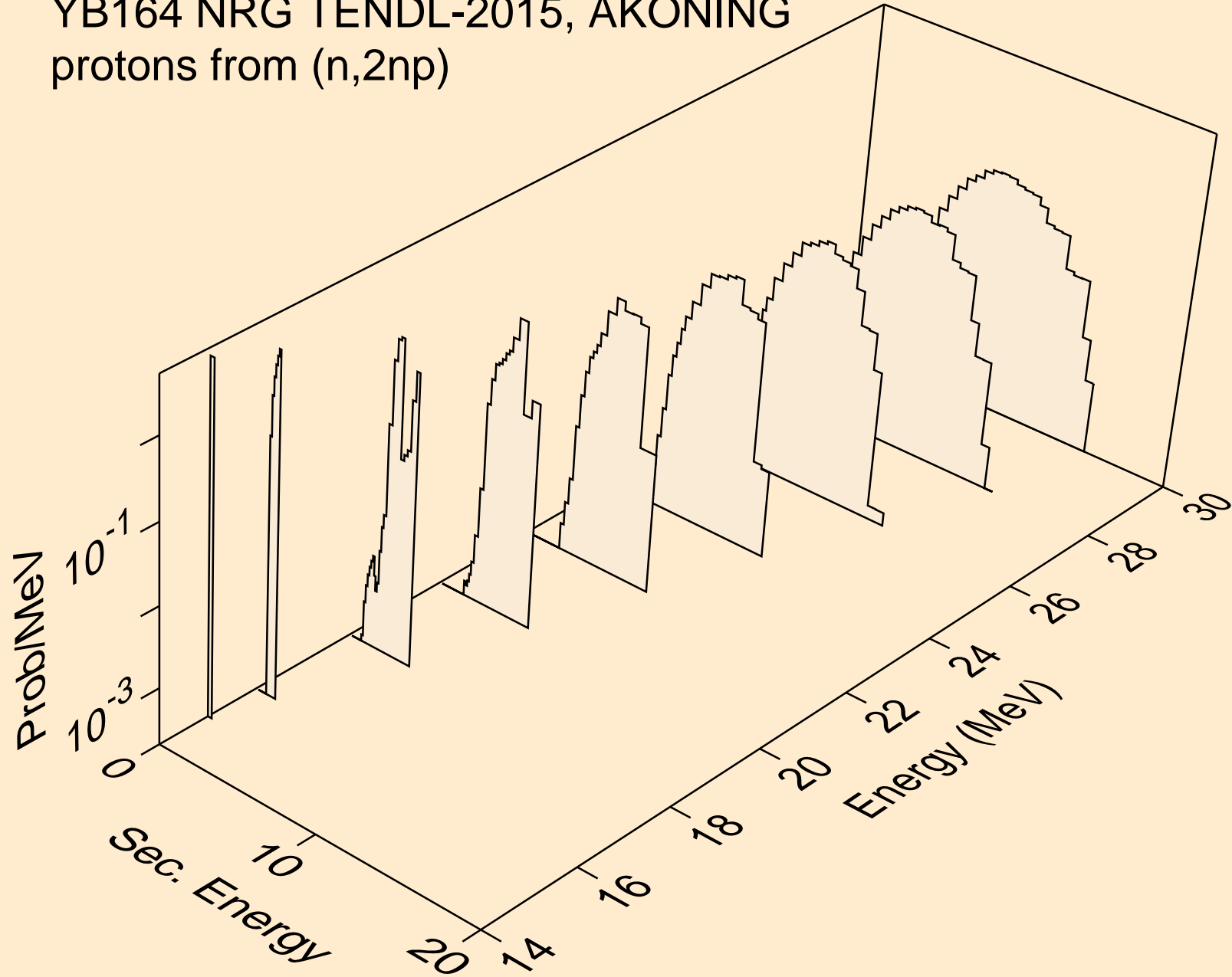
YB164 NRG TENDL-2015, AKONING  
protons from (n,x)



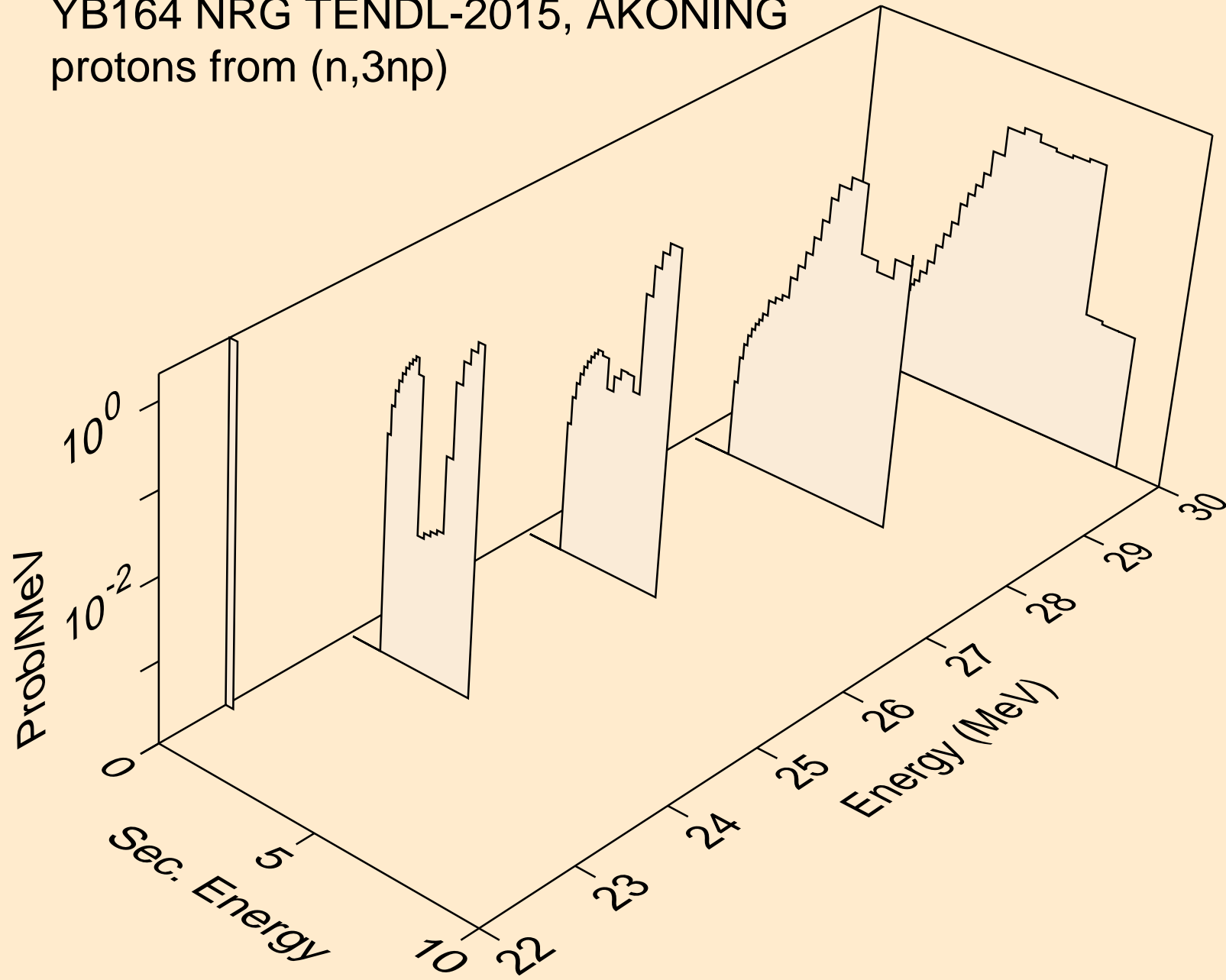
YB164 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



YB164 NRG TENDL-2015, AKONING  
protons from (n,2np)

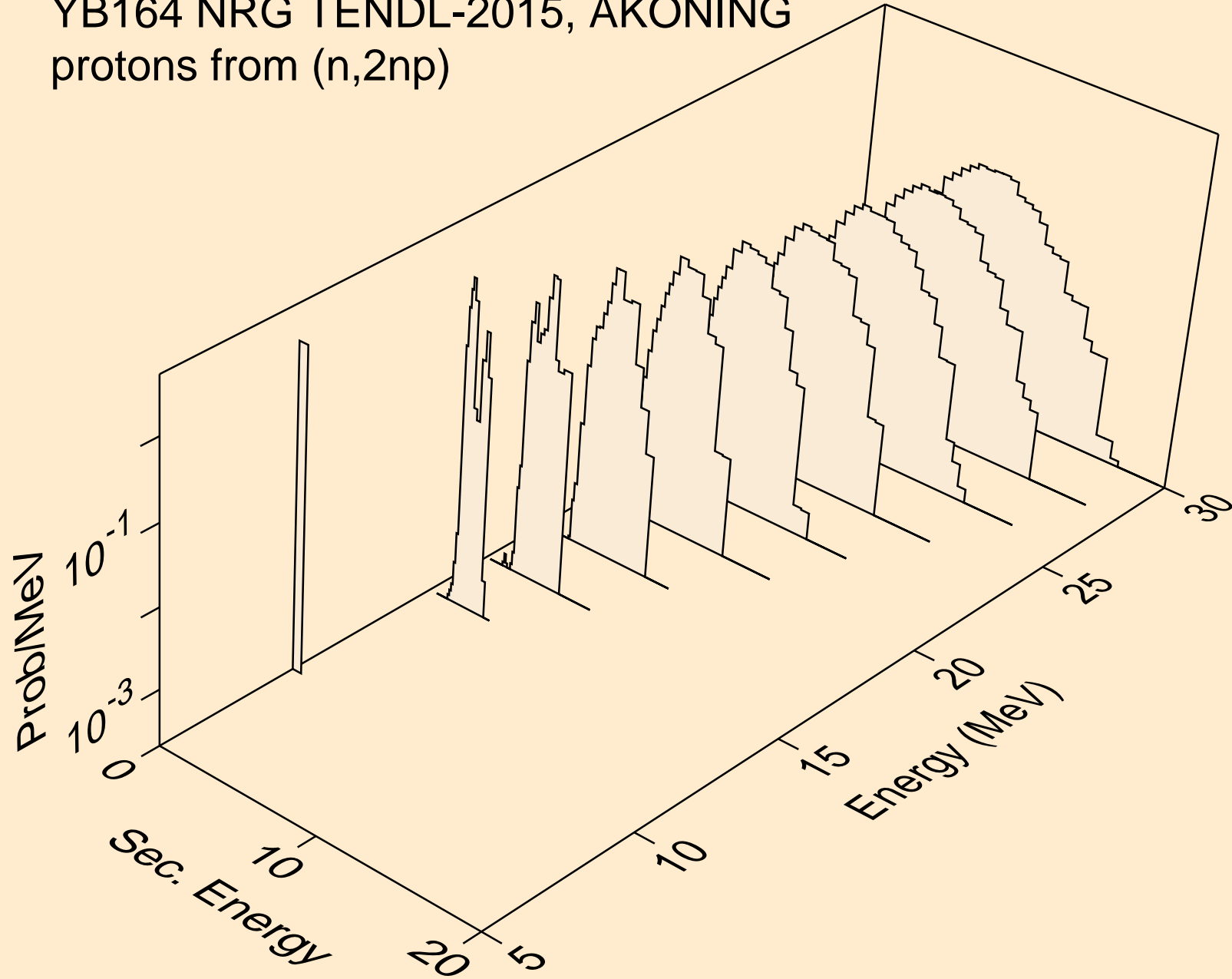


YB164 NRG TENDL-2015, AKONING  
protons from (n,3np)

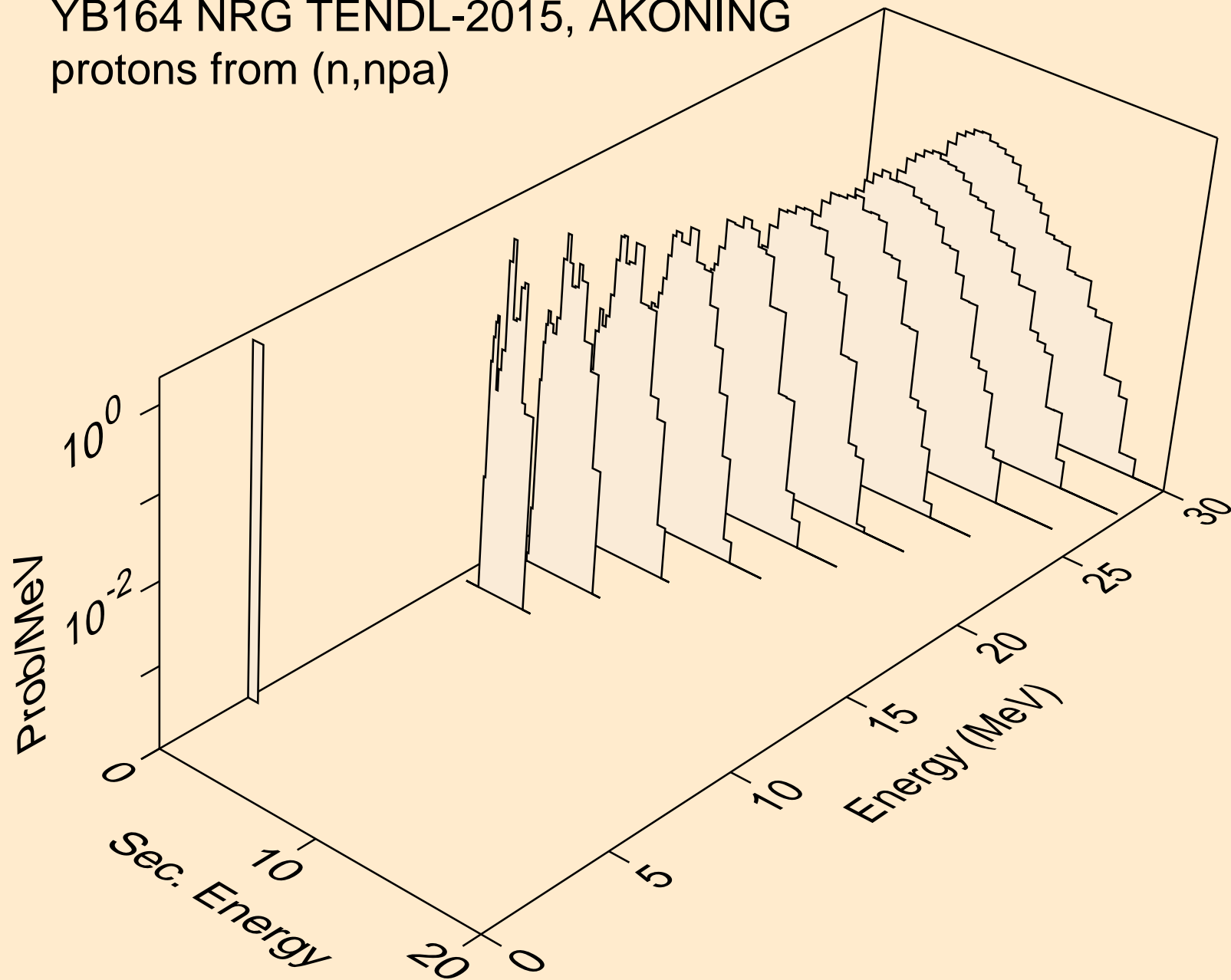




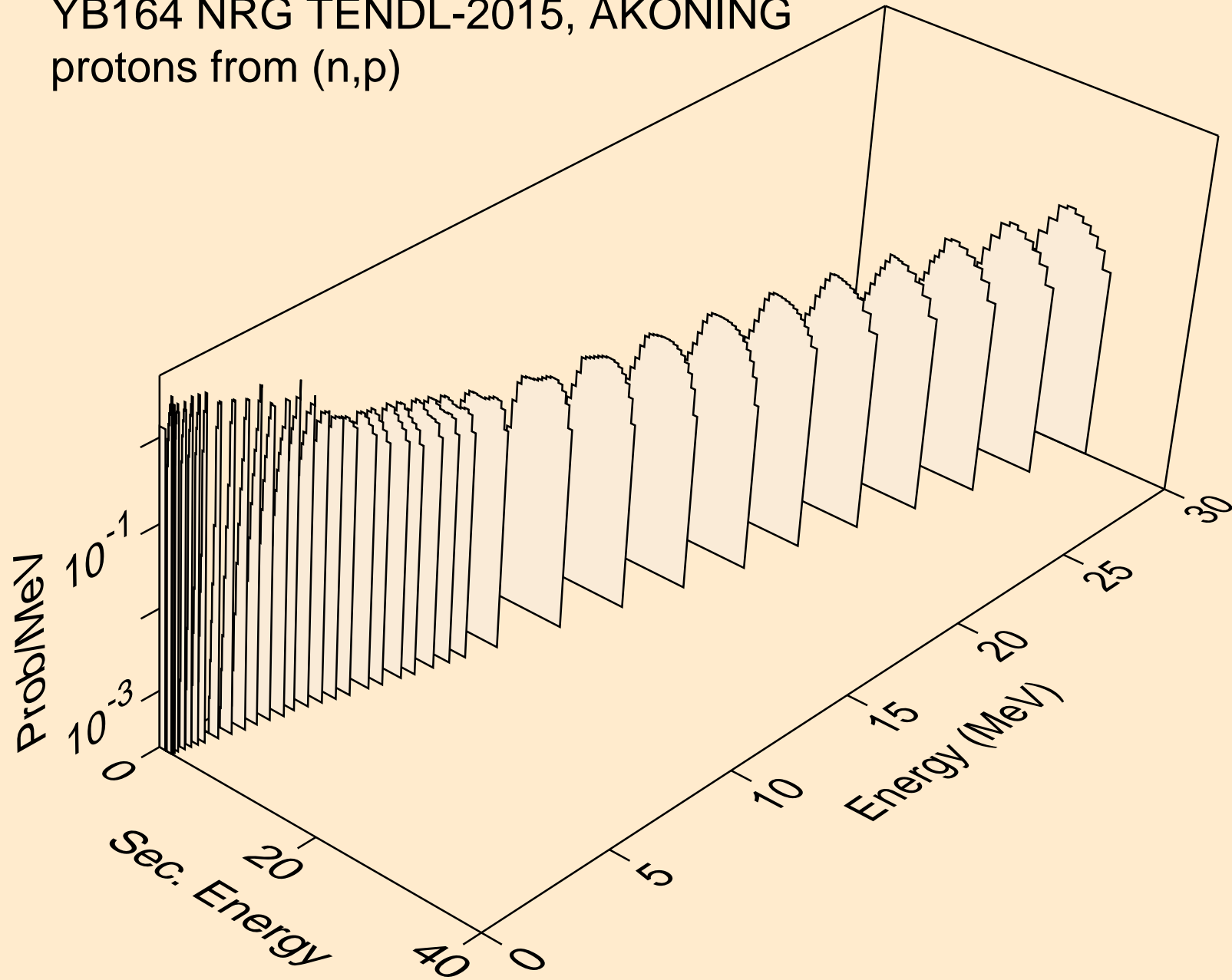
YB164 NRG TENDL-2015, AKONING  
protons from (n,2np)



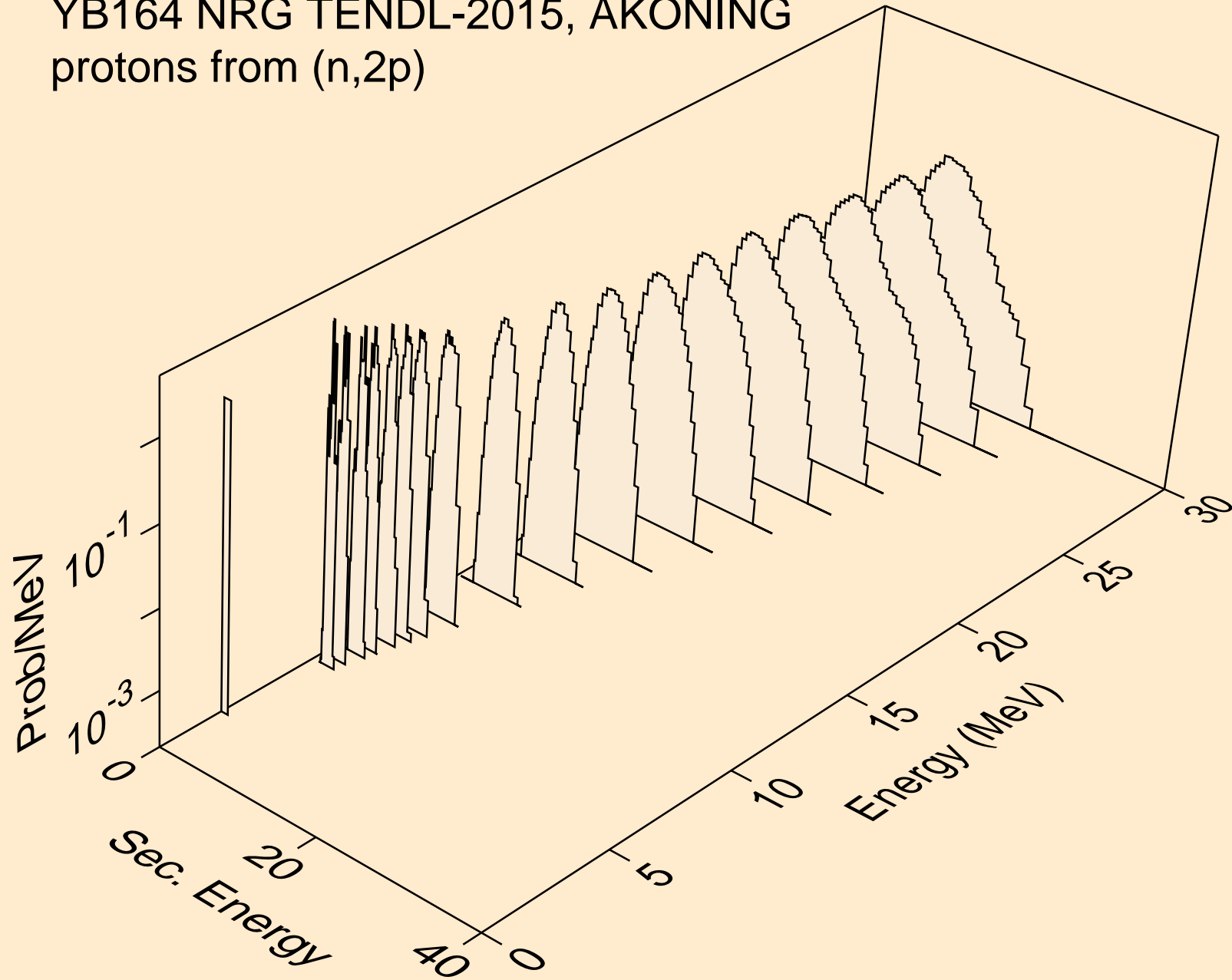
YB164 NRG TENDL-2015, AKONING  
protons from (n,npa)



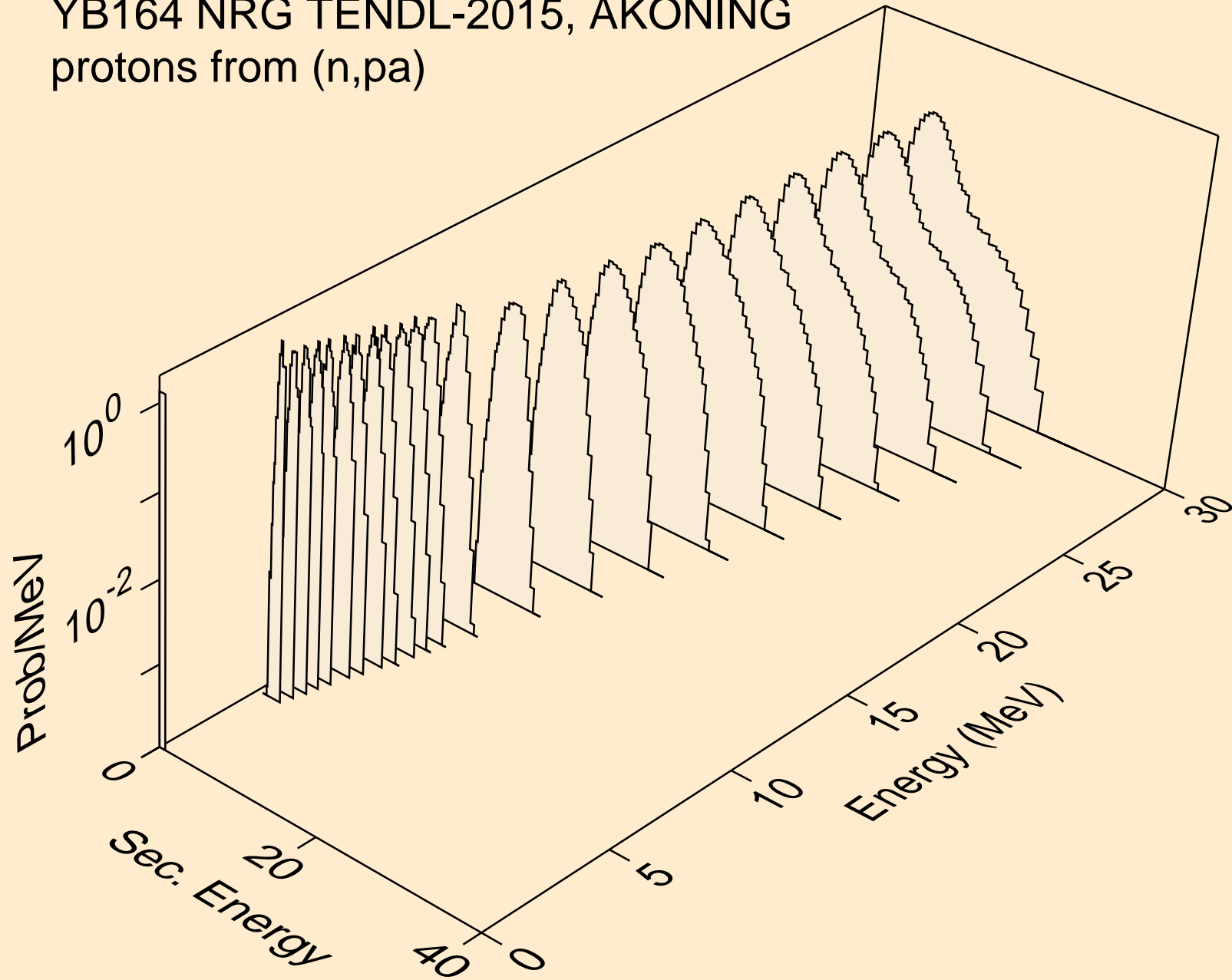
YB164 NRG TENDL-2015, AKONING  
protons from (n,p)



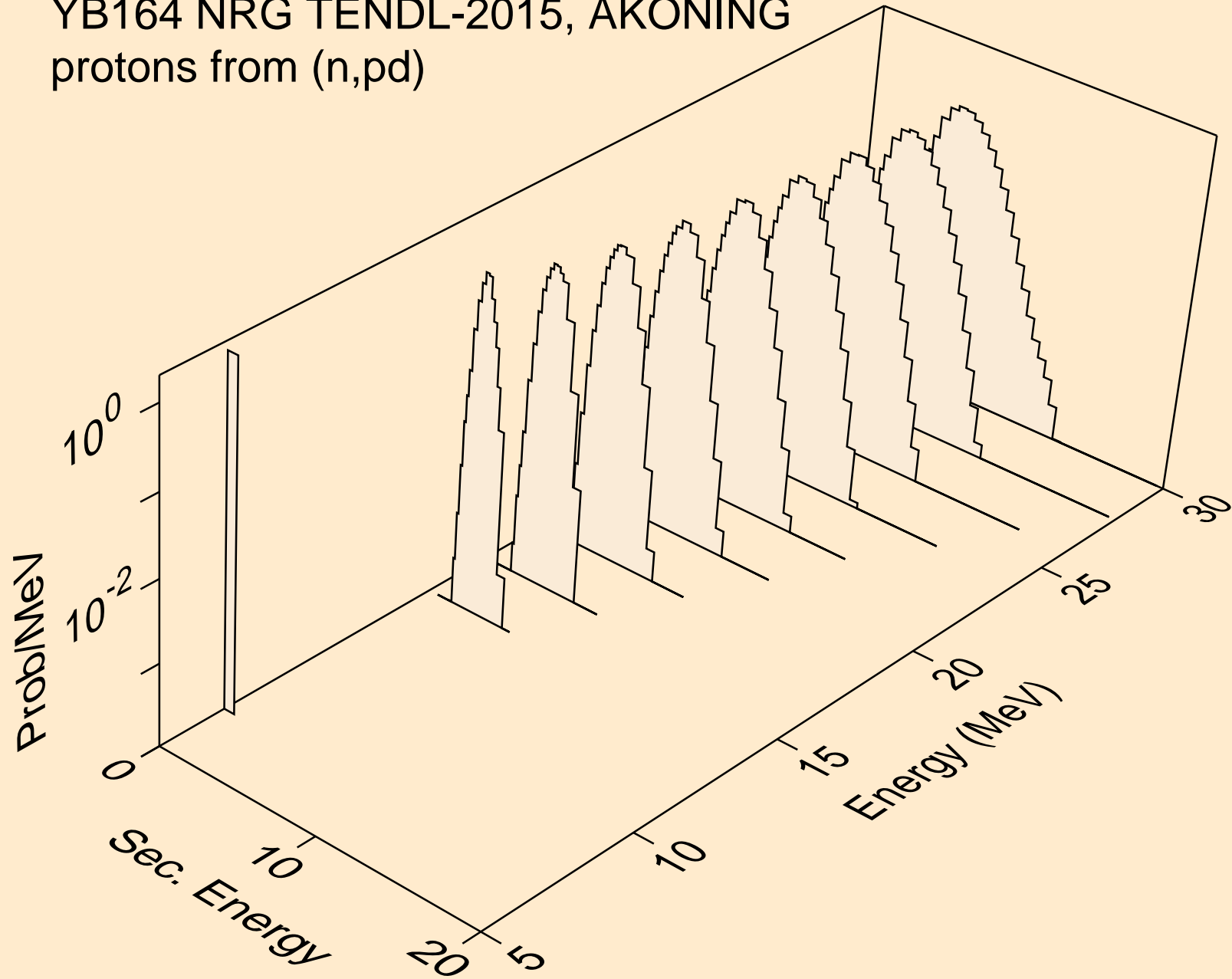
YB164 NRG TENDL-2015, AKONING  
protons from (n,2p)



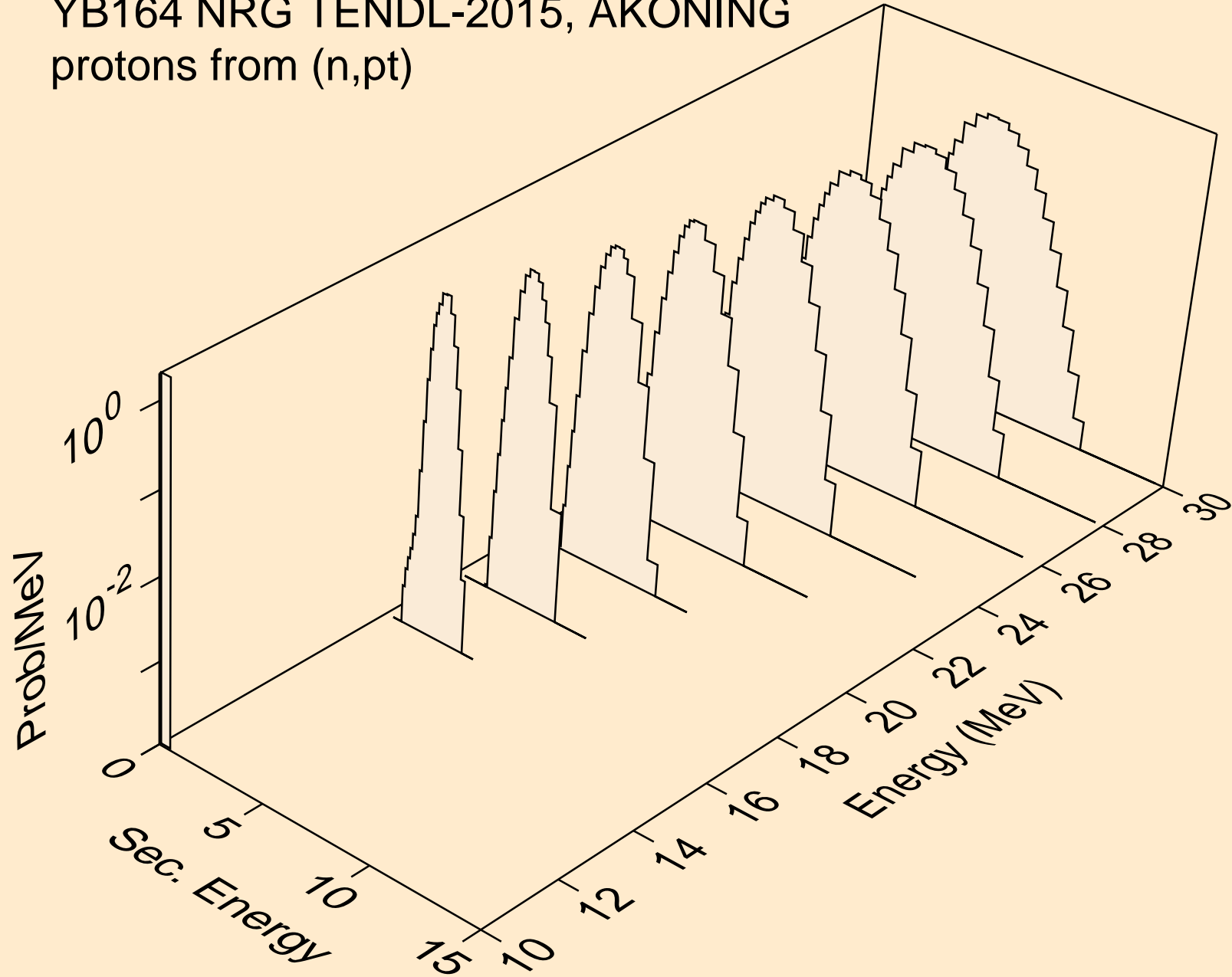
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protons from (n,pa)



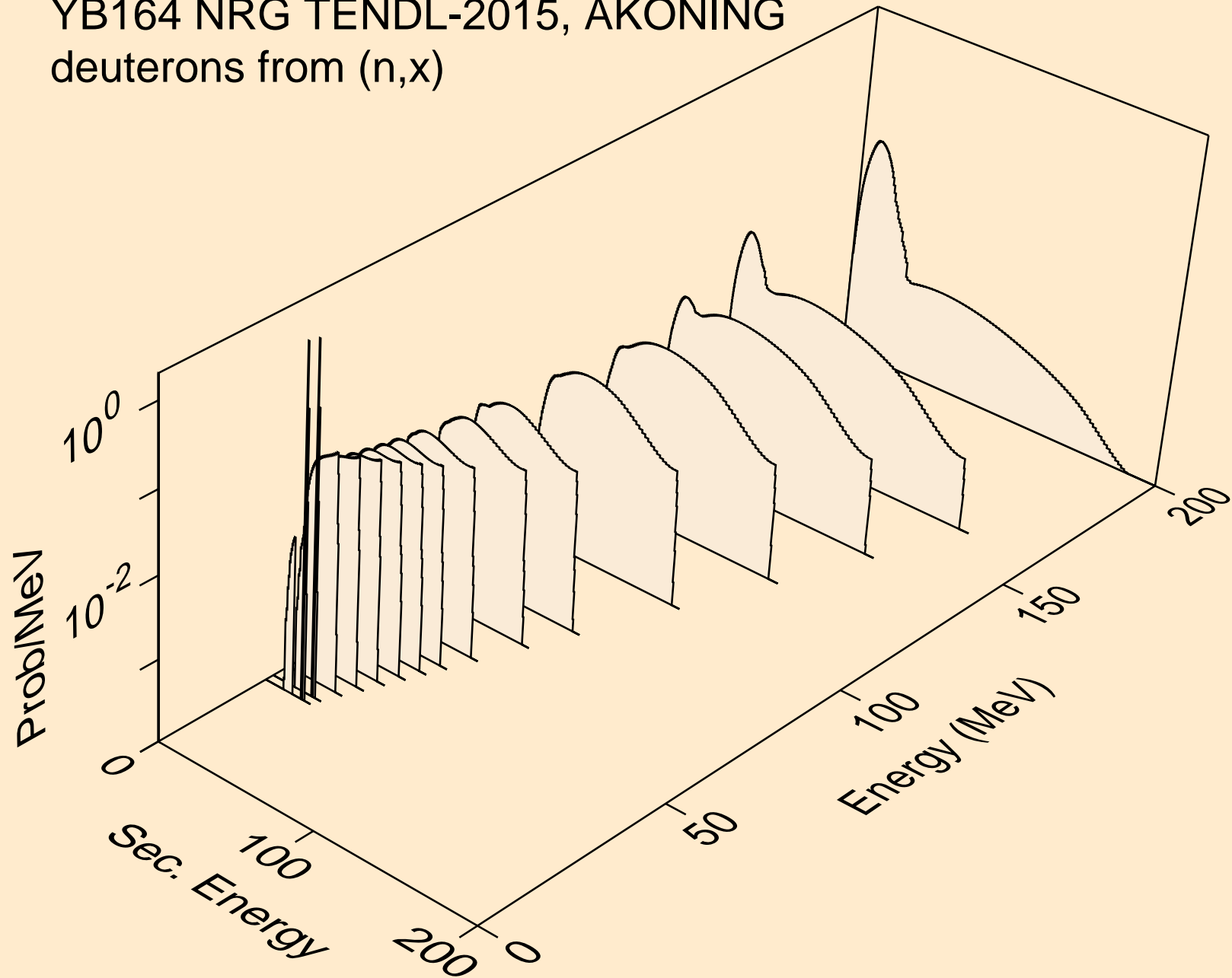
YB164 NRG TENDL-2015, AKONING  
protons from (n,pd)



YB164 NRG TENDL-2015, AKONING  
protons from (n,pt)

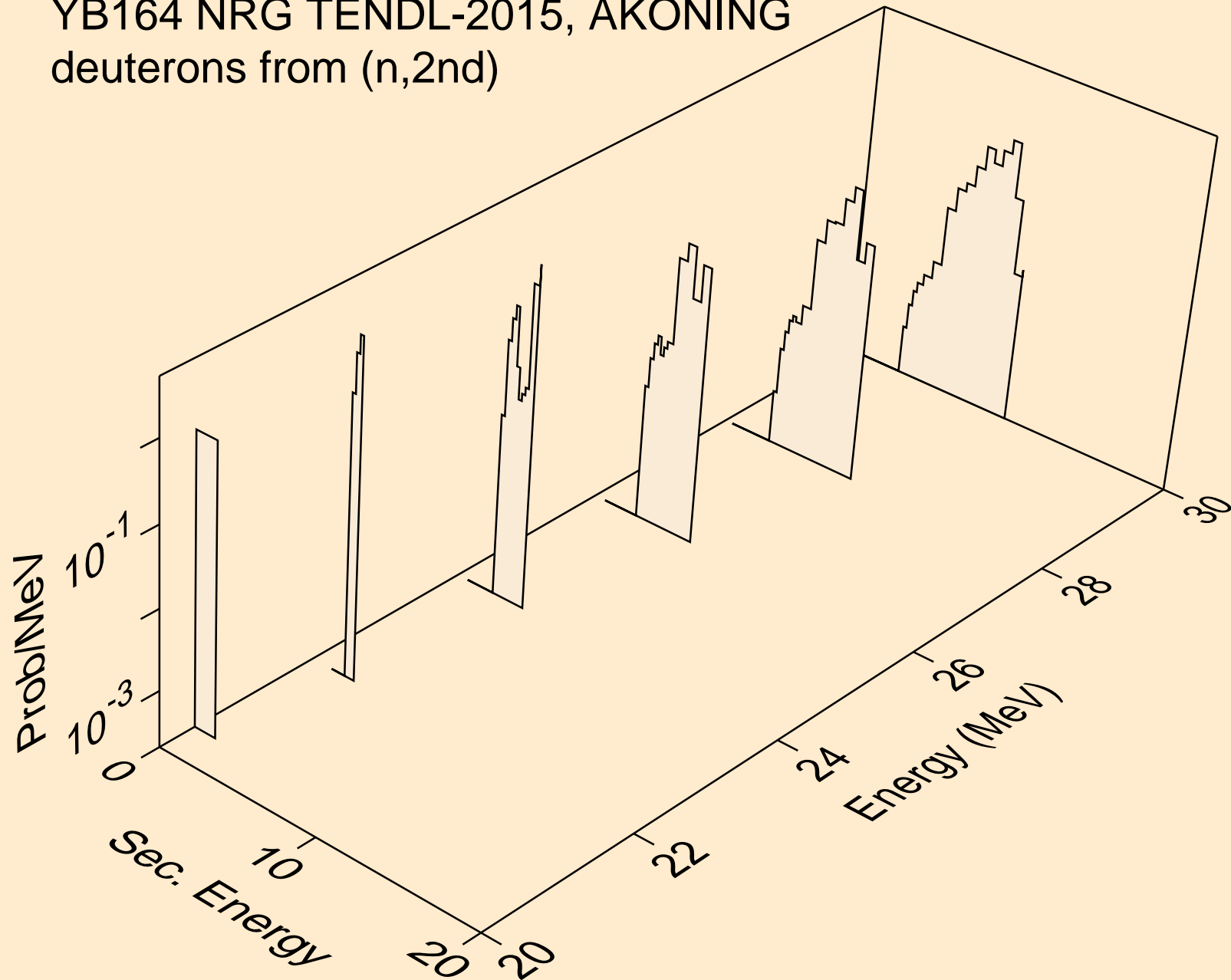


YB164 NRG TENDL-2015, AKONING  
deuterons from (n,x)

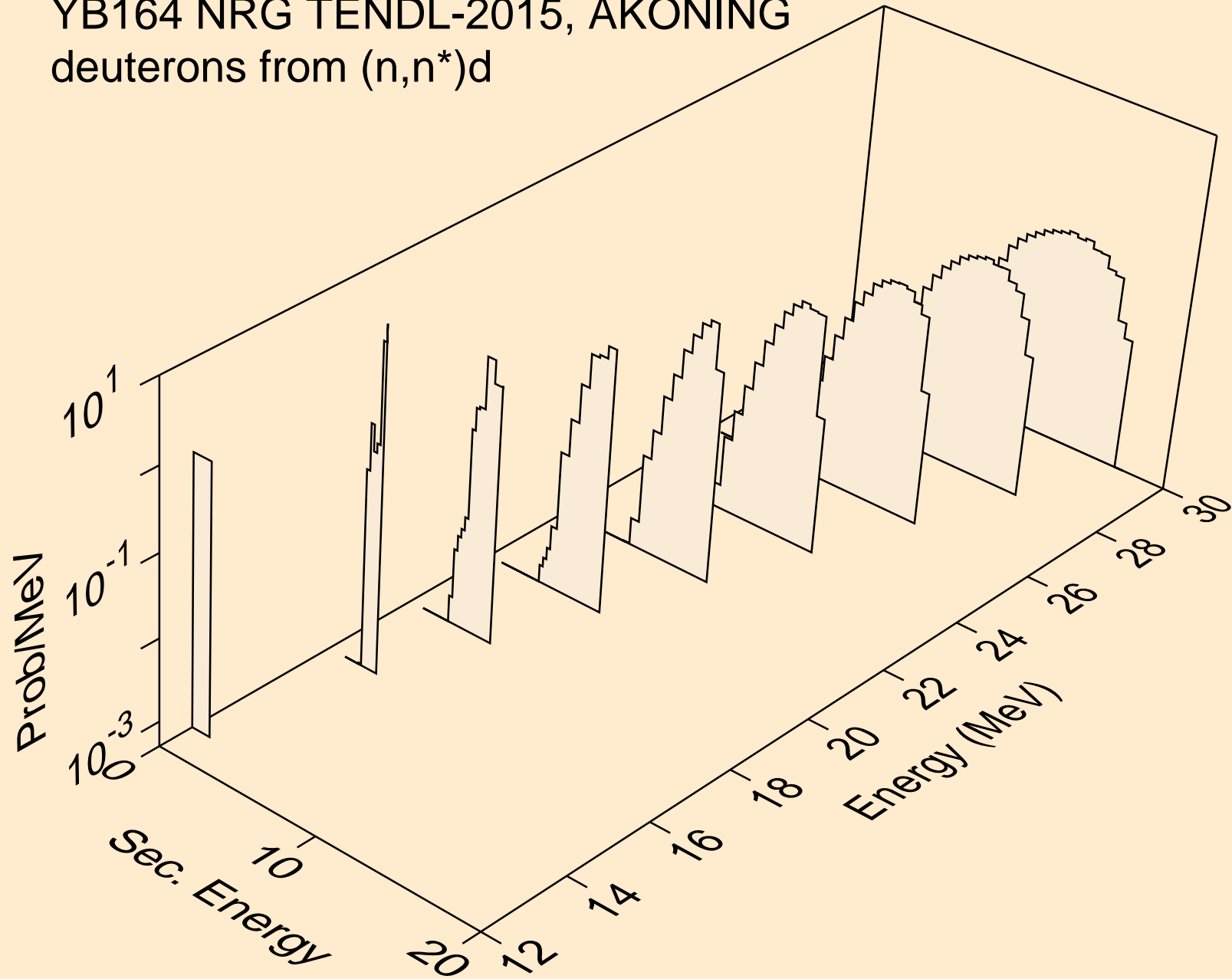




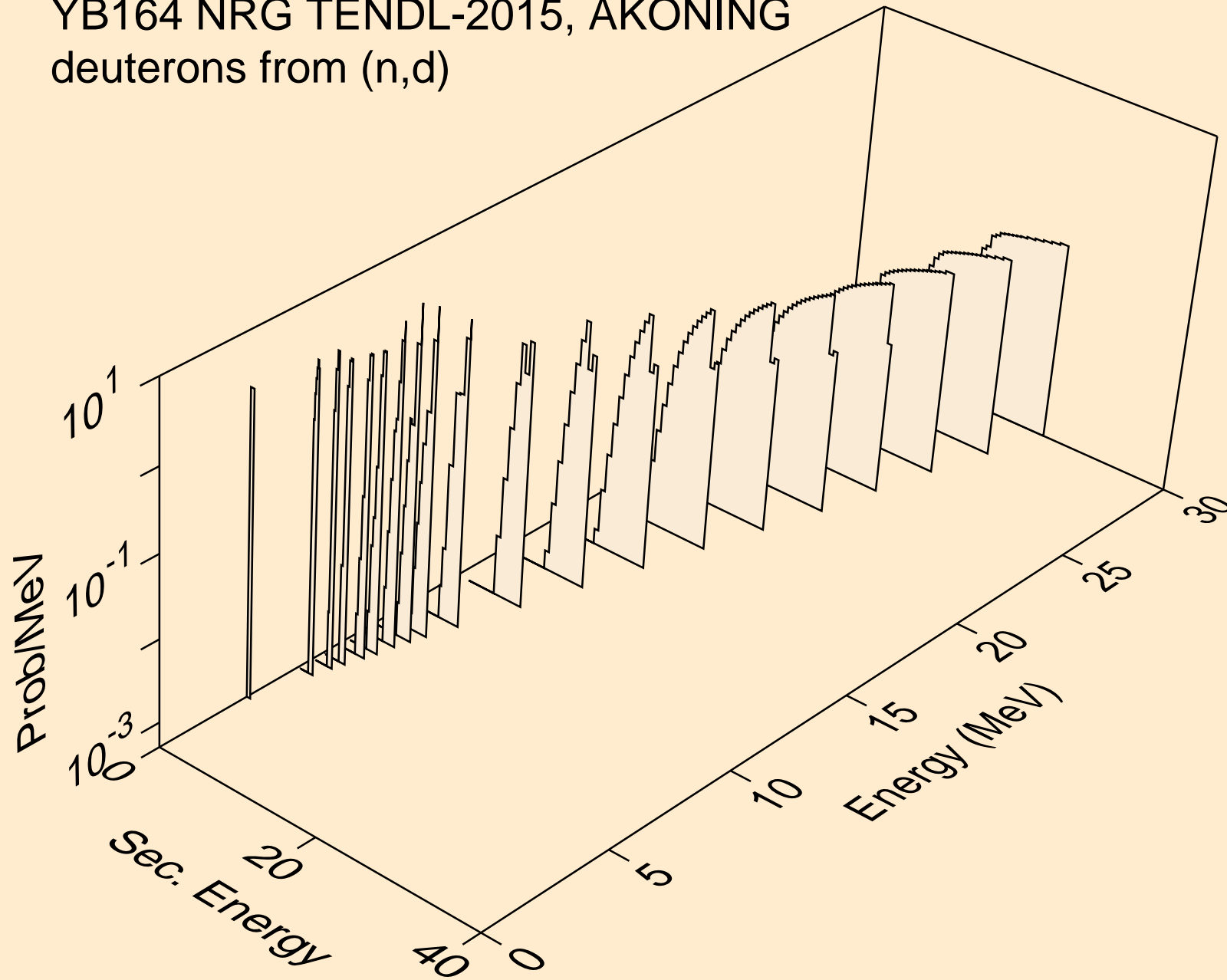
YB164 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



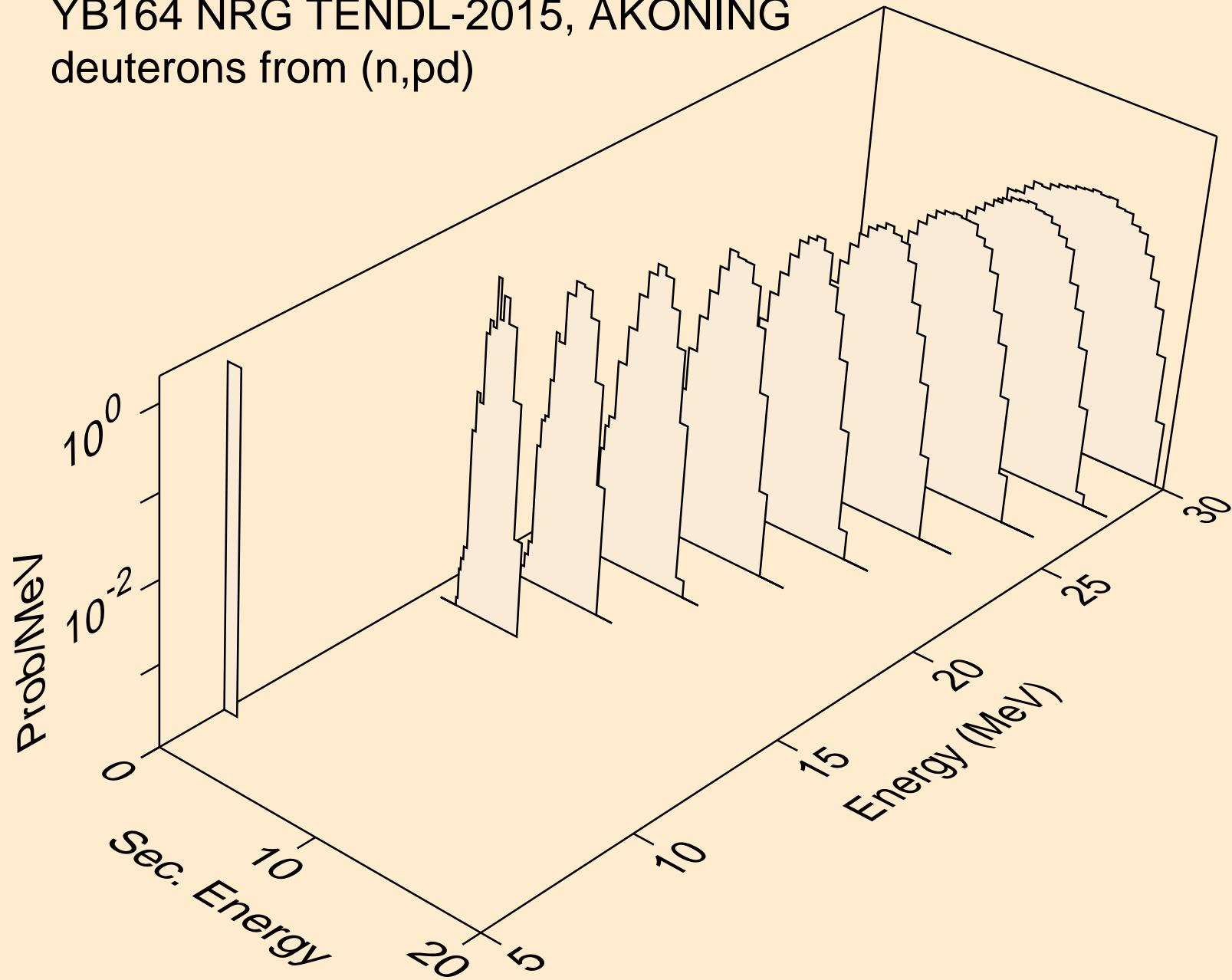
YB164 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



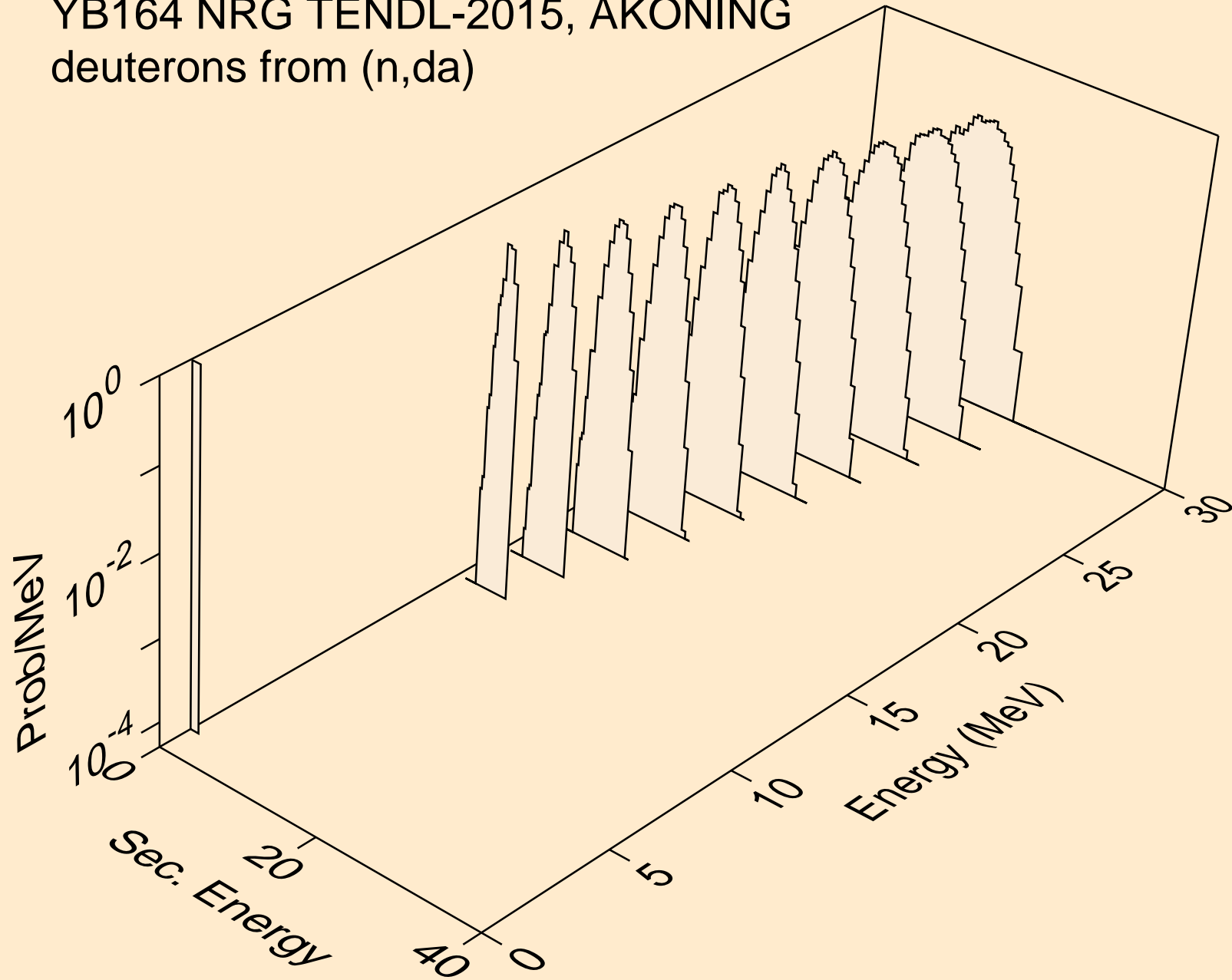
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deuterons from (n,d)



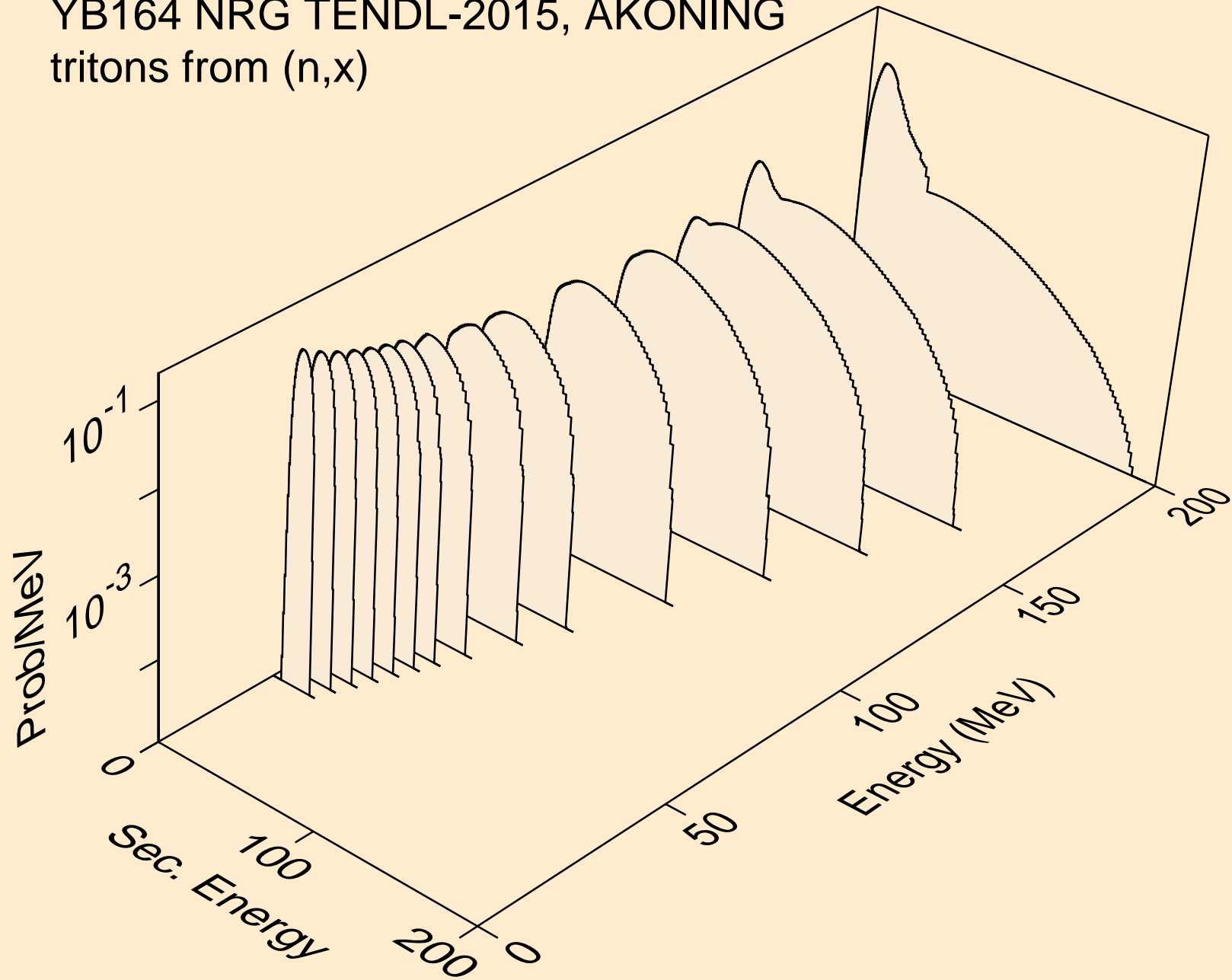
YB164 NRG TENDL-2015, AKONING  
deuterons from (n,pd)



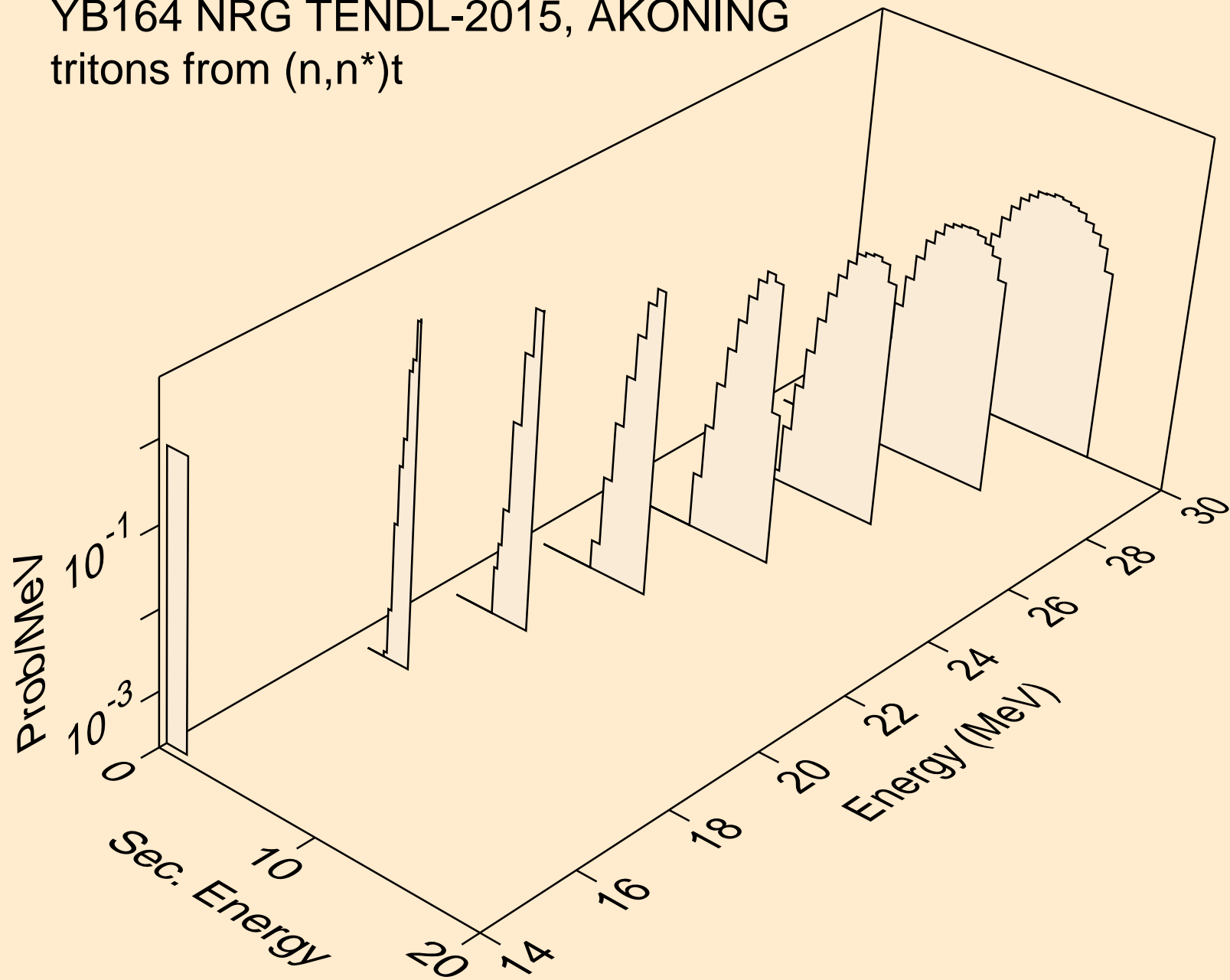
YB164 NRG TENDL-2015, AKONING  
deuterons from (n,da)



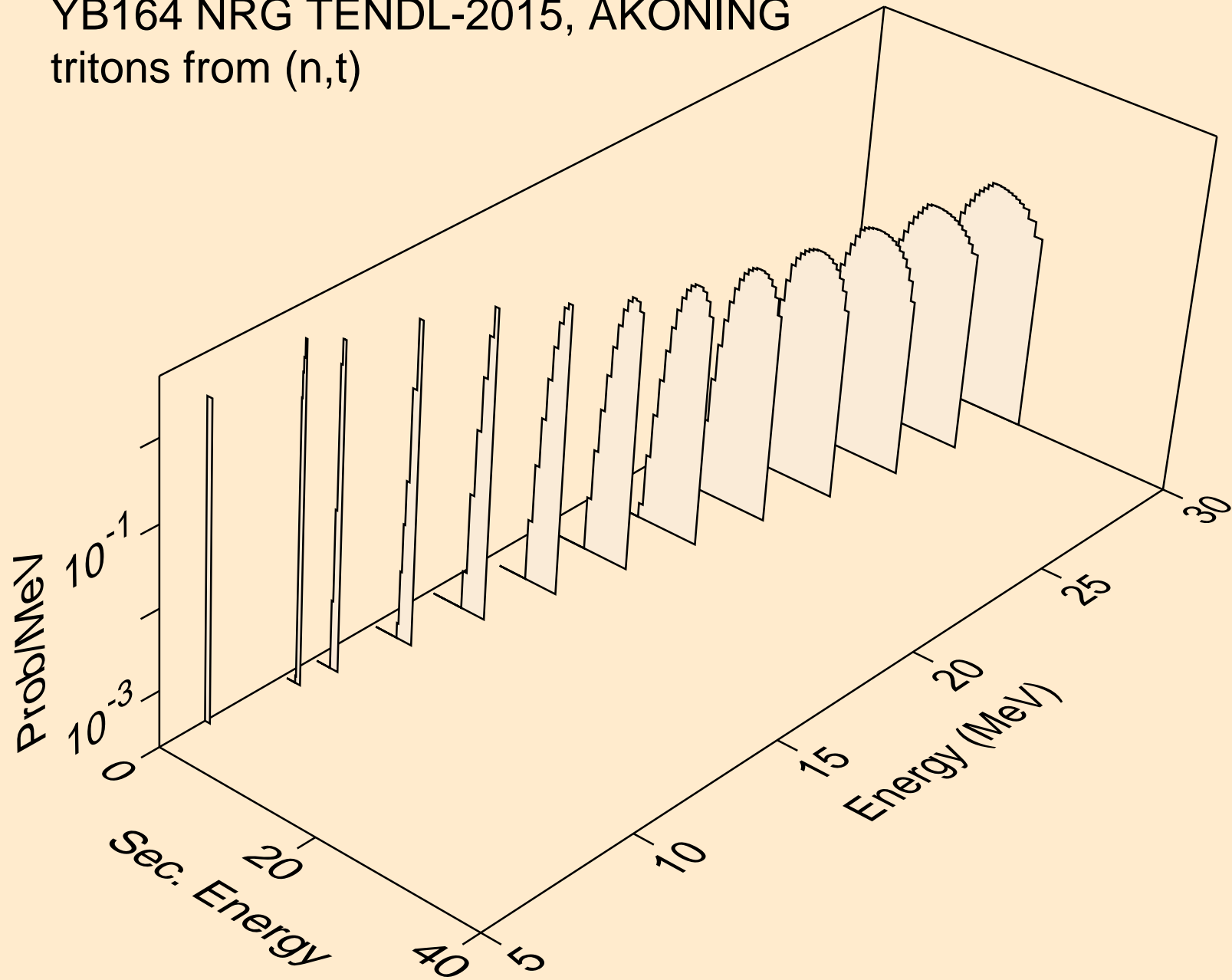
YB164 NRG TENDL-2015, AKONING  
tritons from (n,x)



YB164 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t

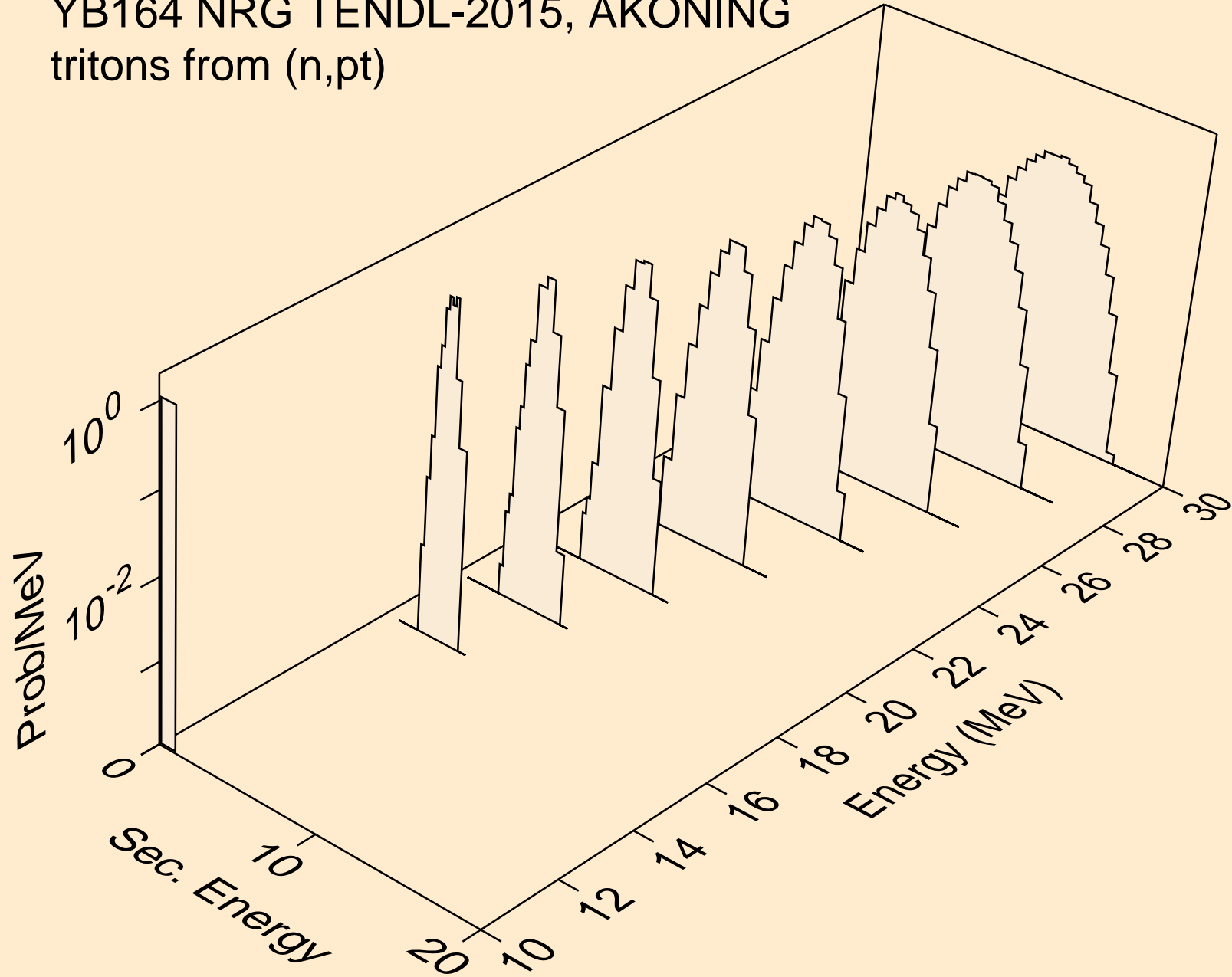


YB164 NRG TENDL-2015, AKONING  
tritons from (n,t)

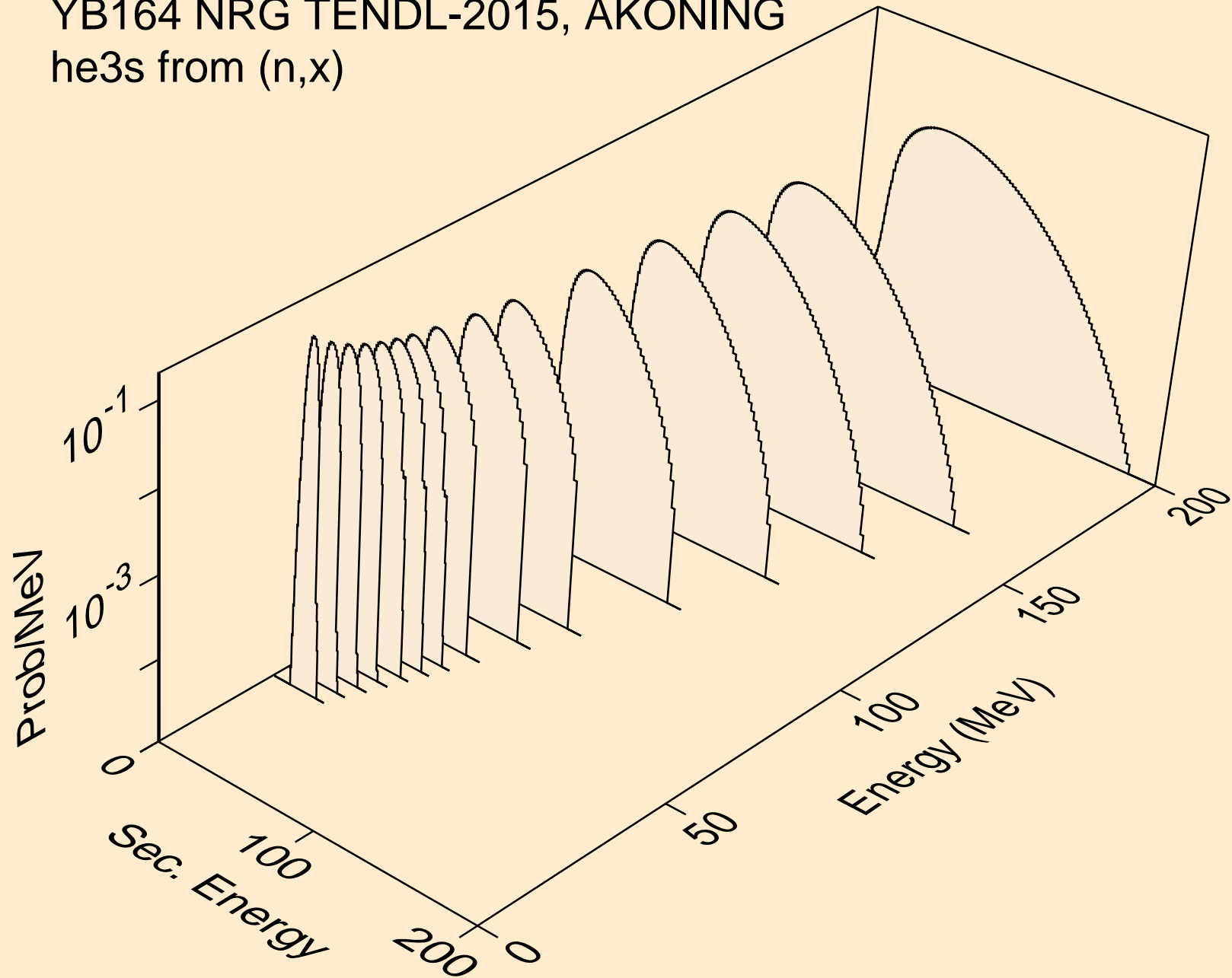




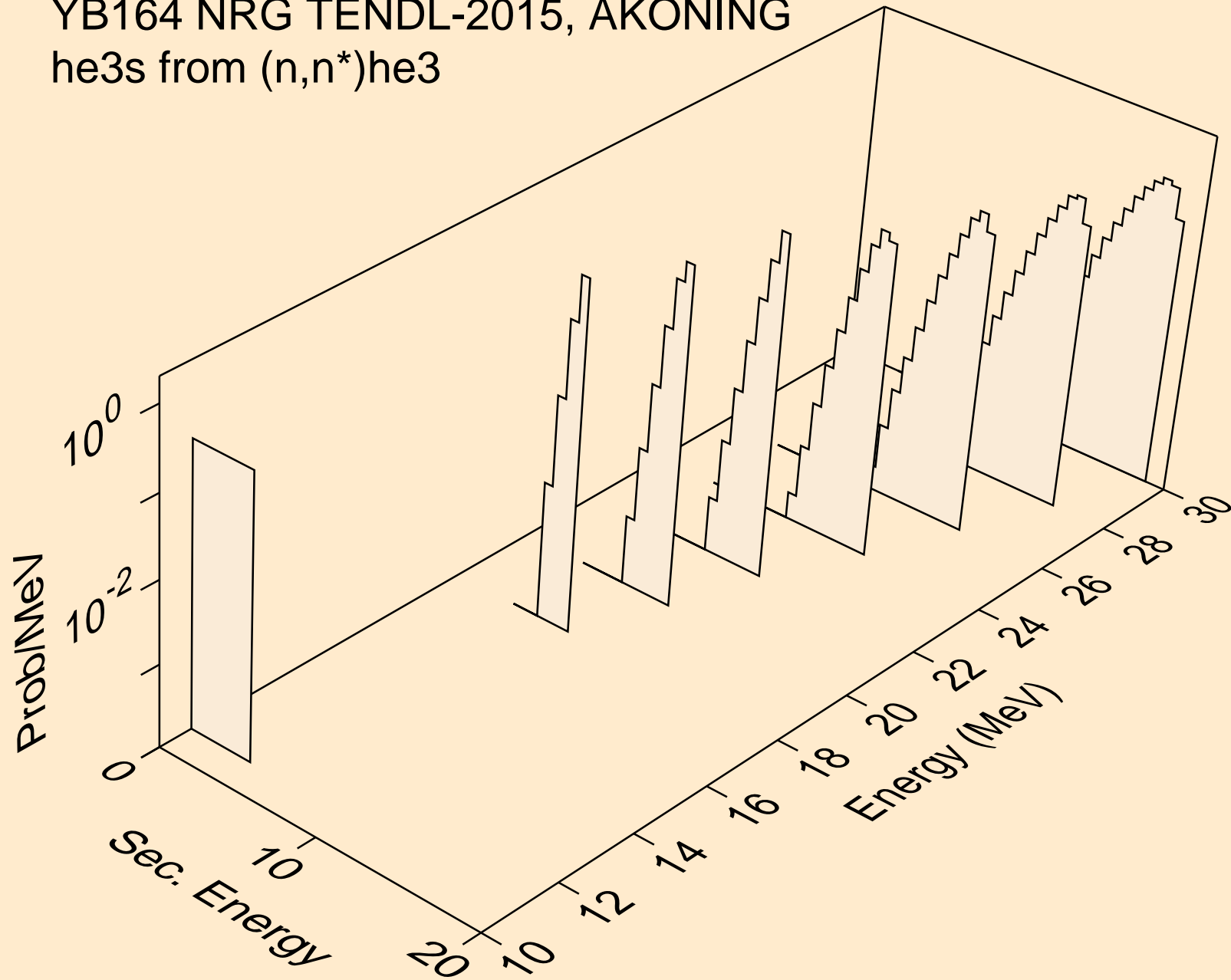
YB164 NRG TENDL-2015, AKONING  
tritons from (n,pt)



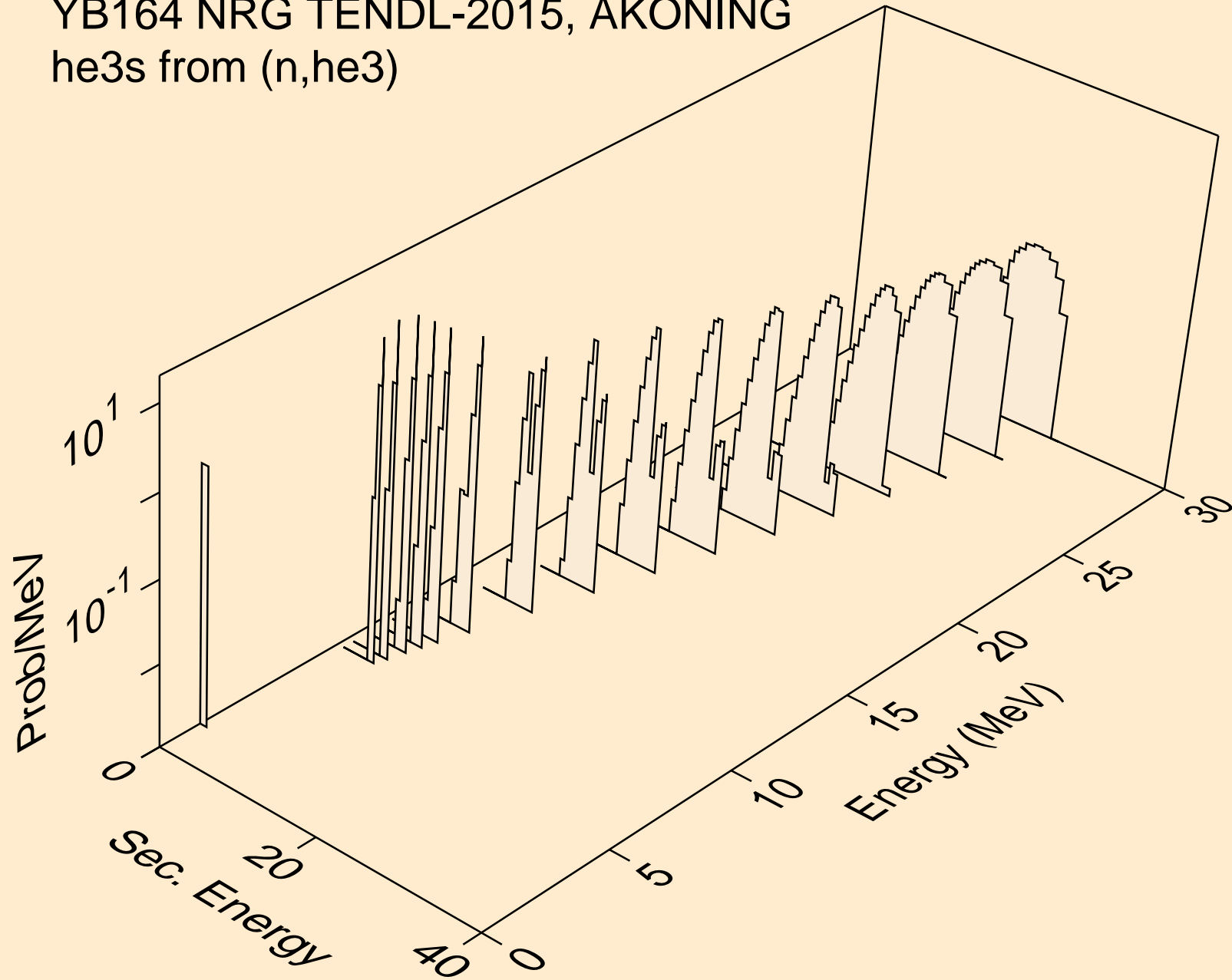
YB164 NRG TENDL-2015, AKONING  
he3s from (n,x)



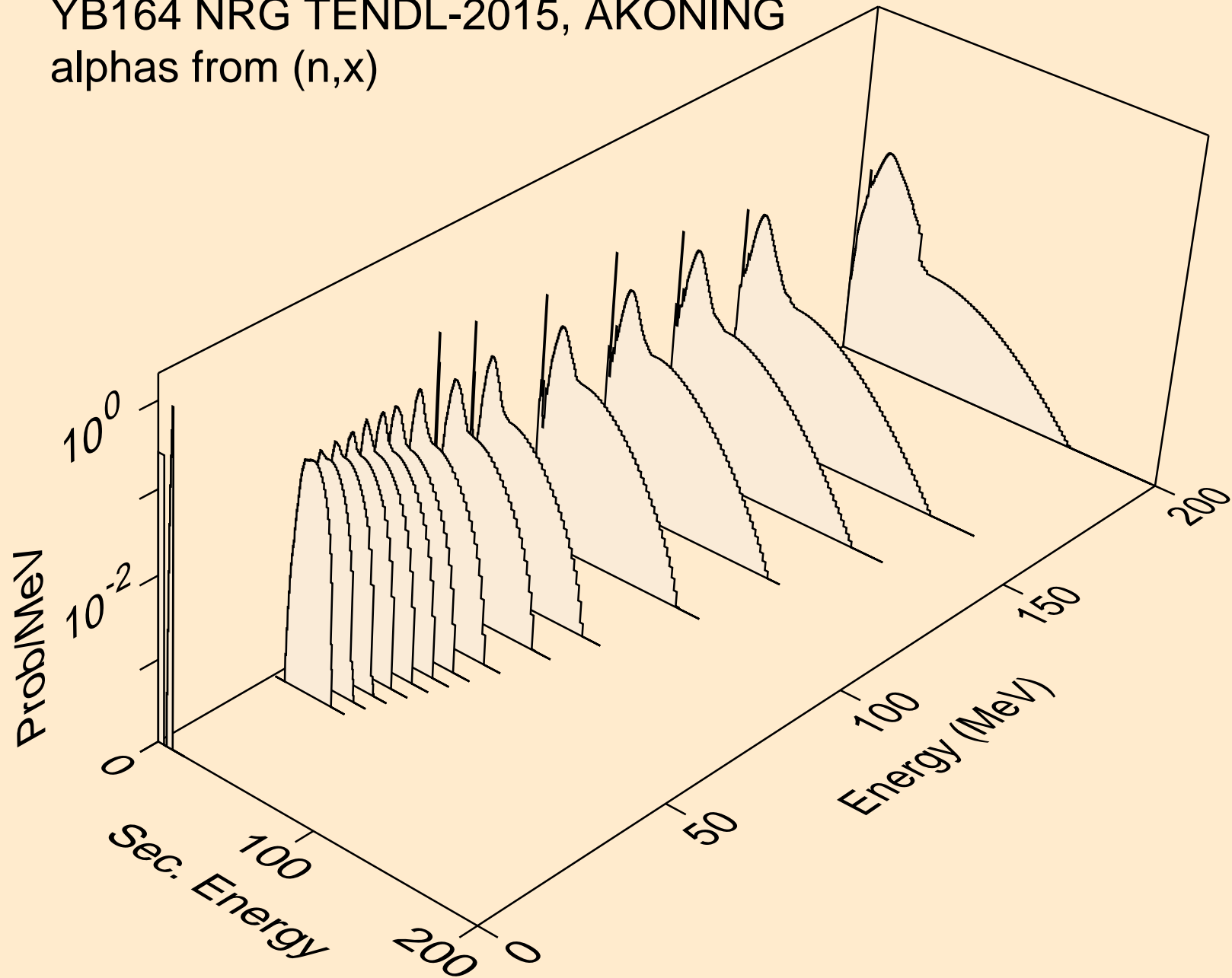
YB164 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



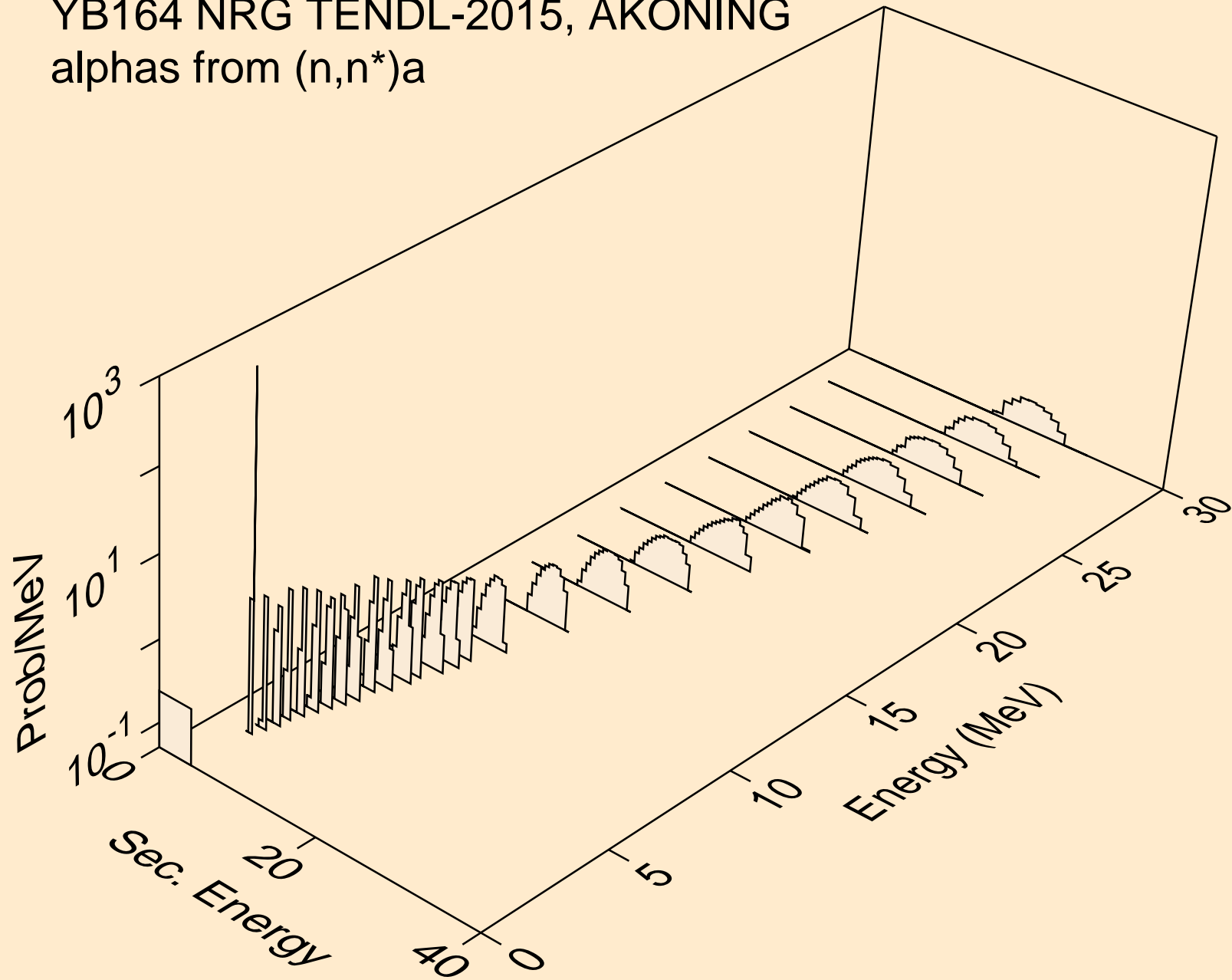
YB164 NRG TENDL-2015, AKONING  
he3s from (n,he3)



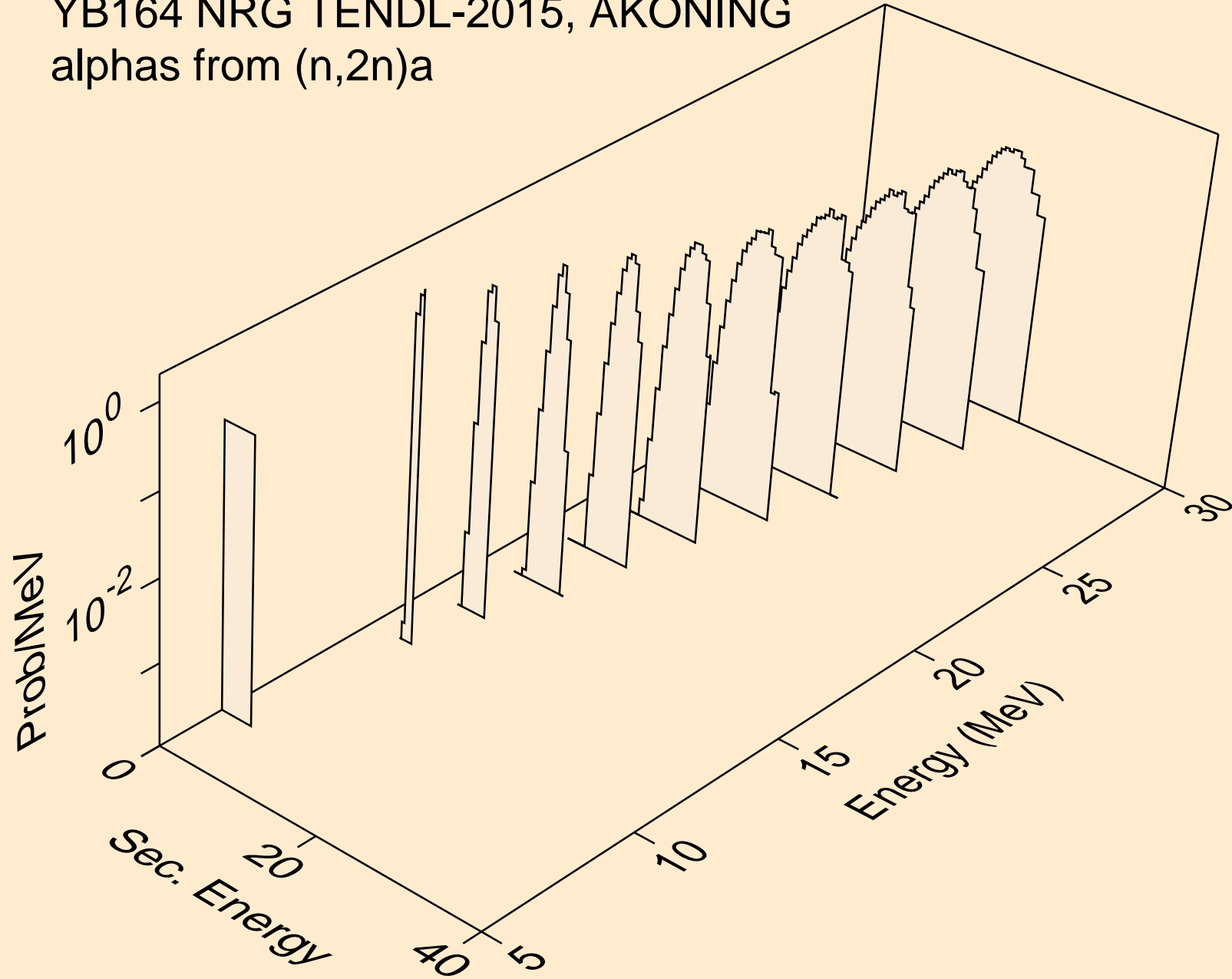
YB164 NRG TENDL-2015, AKONING  
alphas from (n,x)



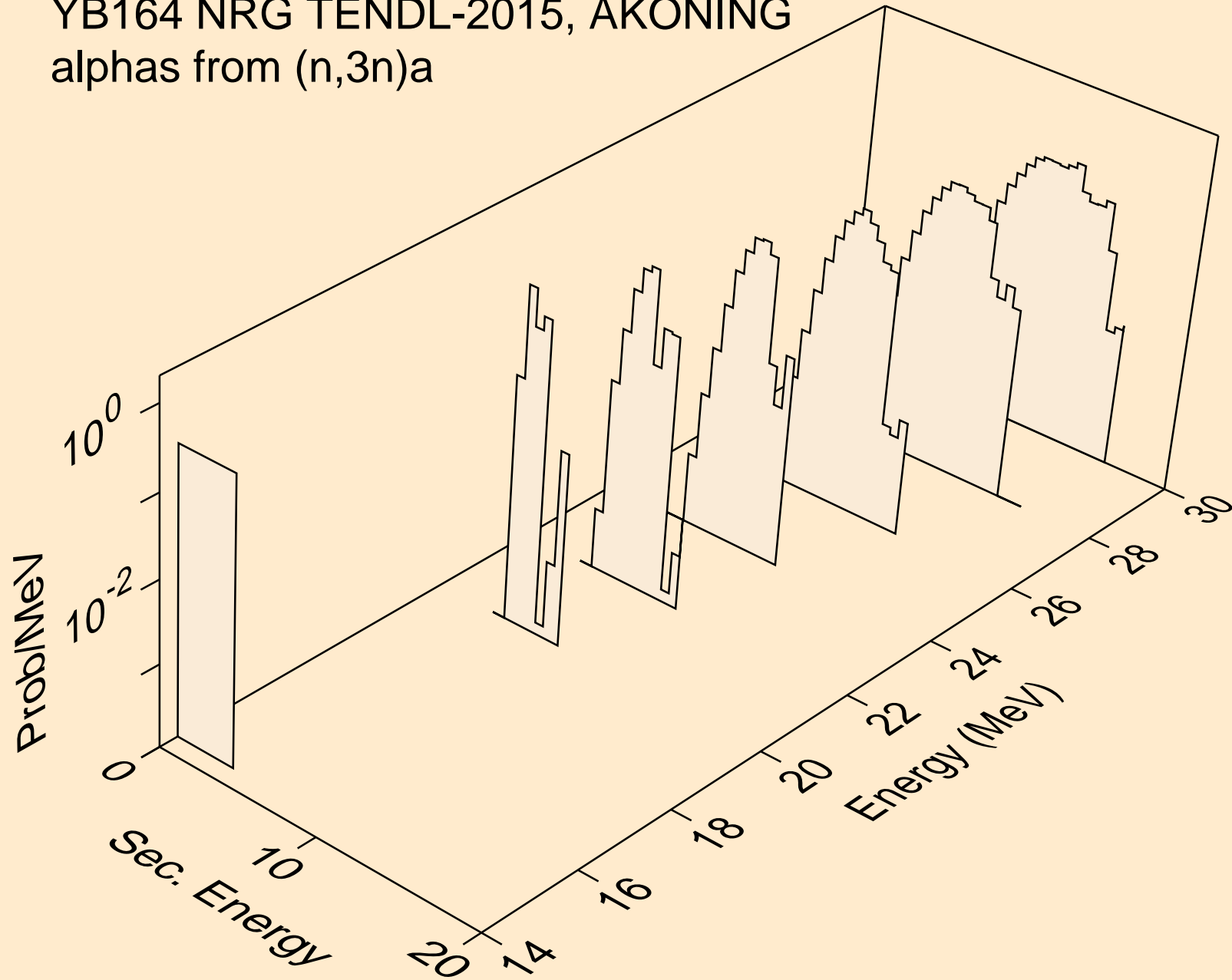
YB164 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



YB164 NRG TENDL-2015, AKONING  
alphas from (n,2n)a

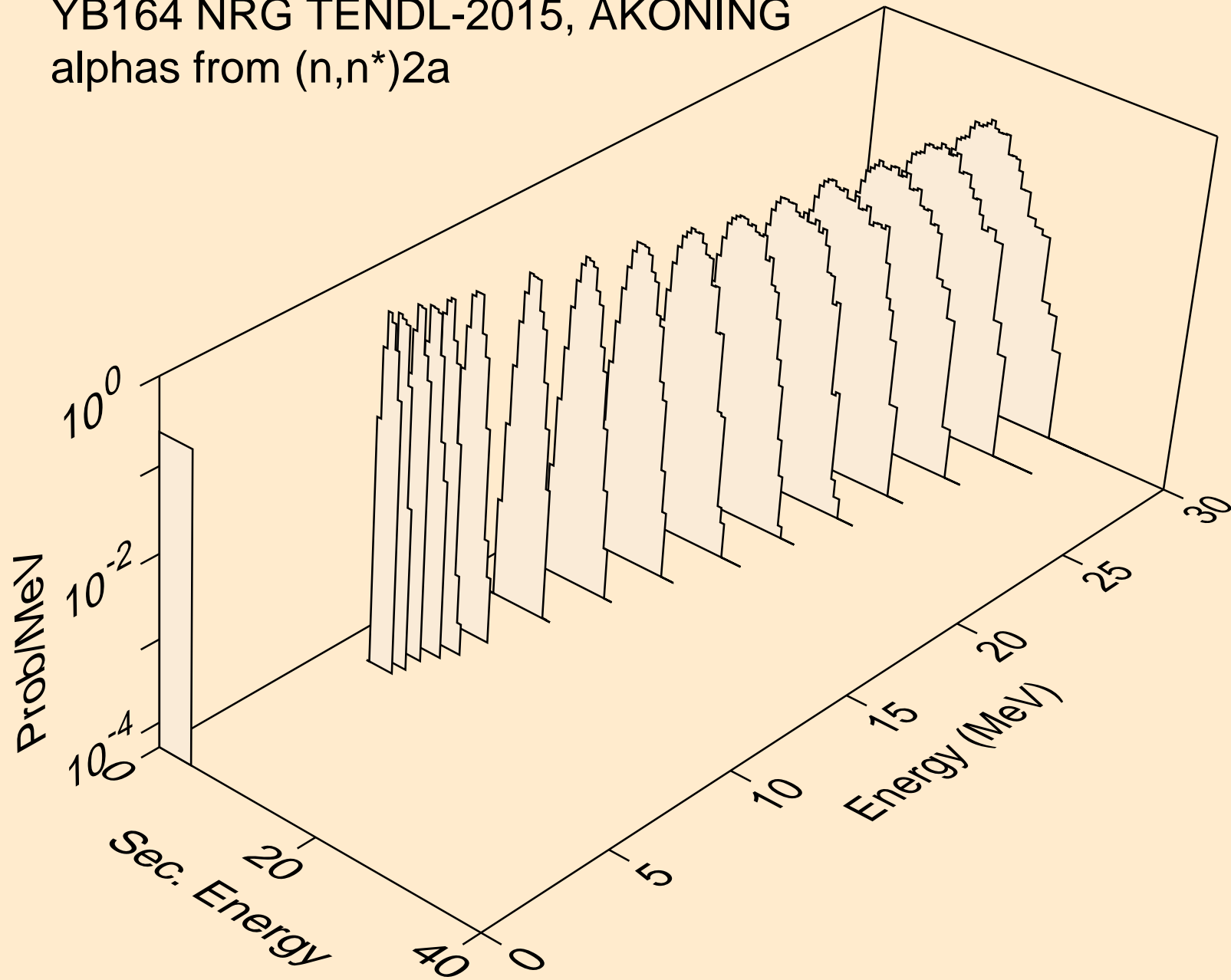


YB164 NRG TENDL-2015, AKONING  
alphas from (n,3n)a

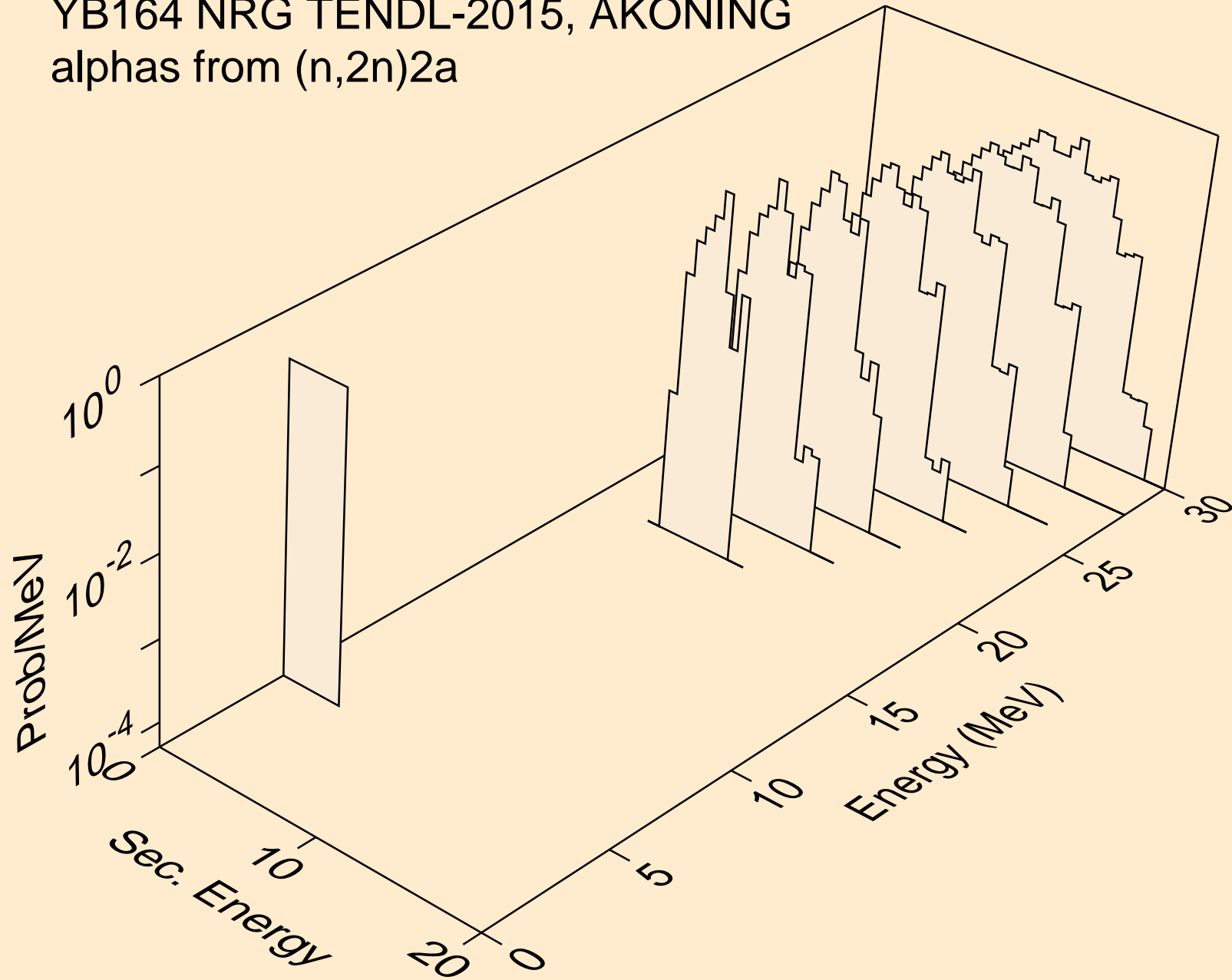




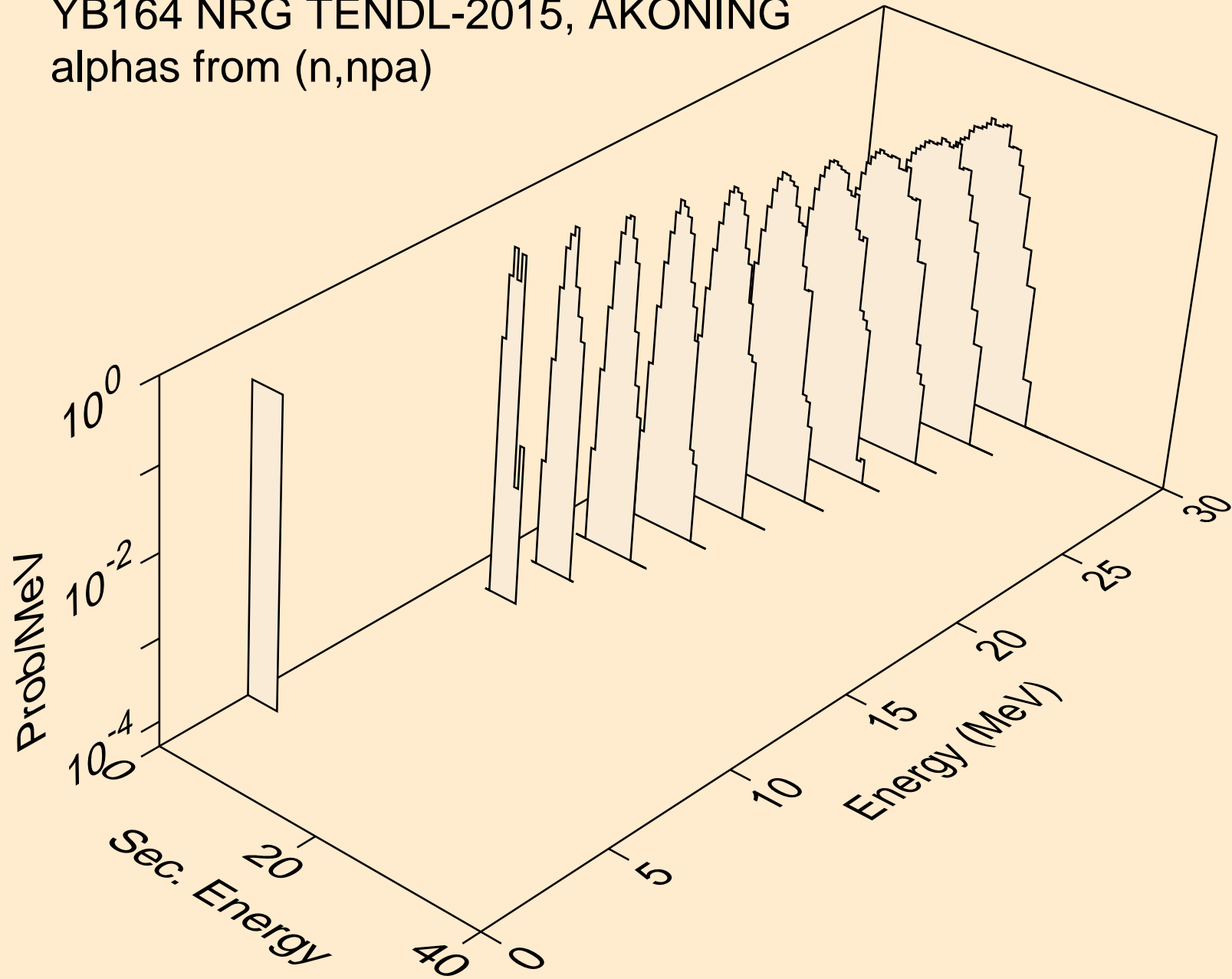
YB164 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



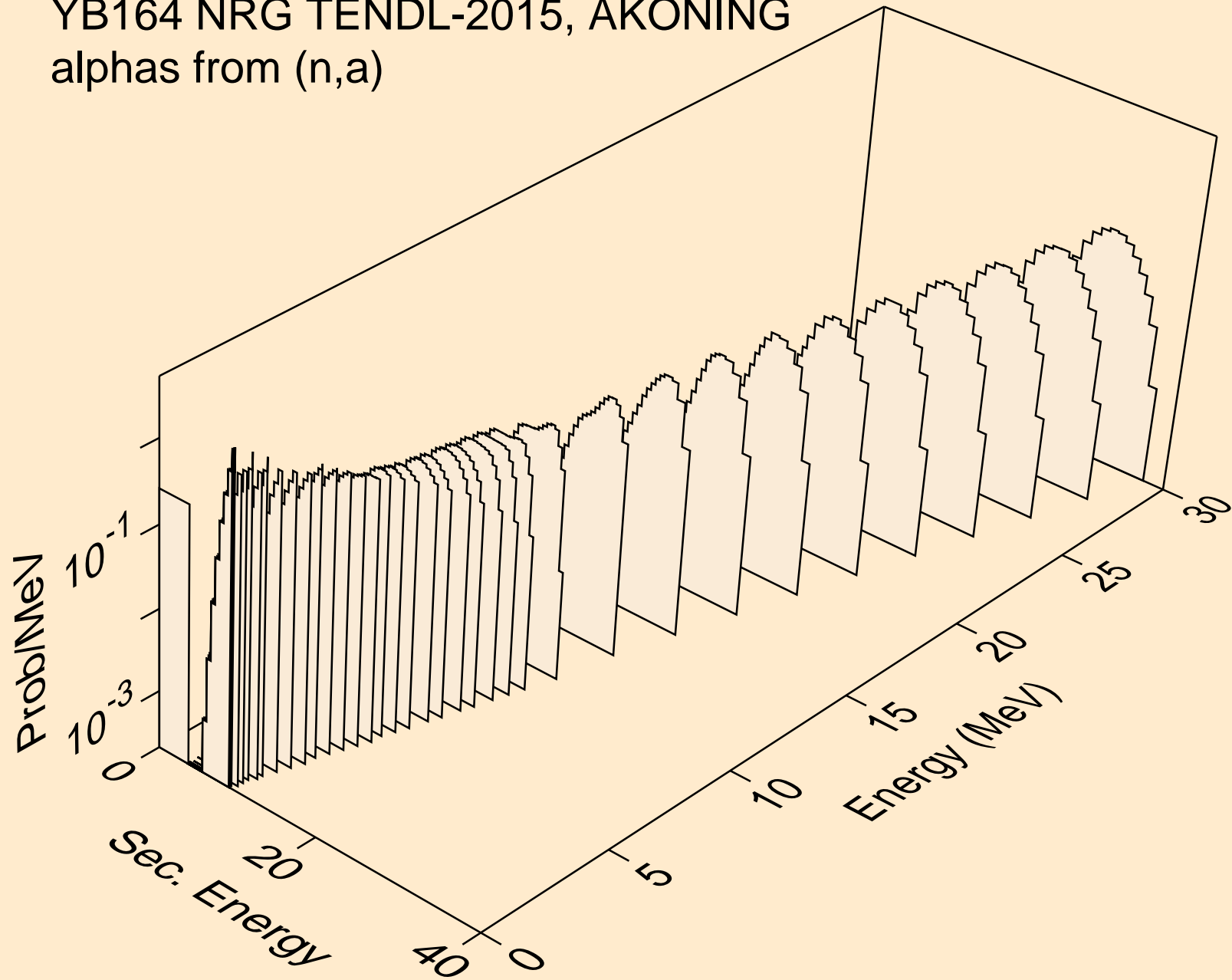
YB164 NRG TENDL-2015, AKONING  
alphas from (n,2n)2a



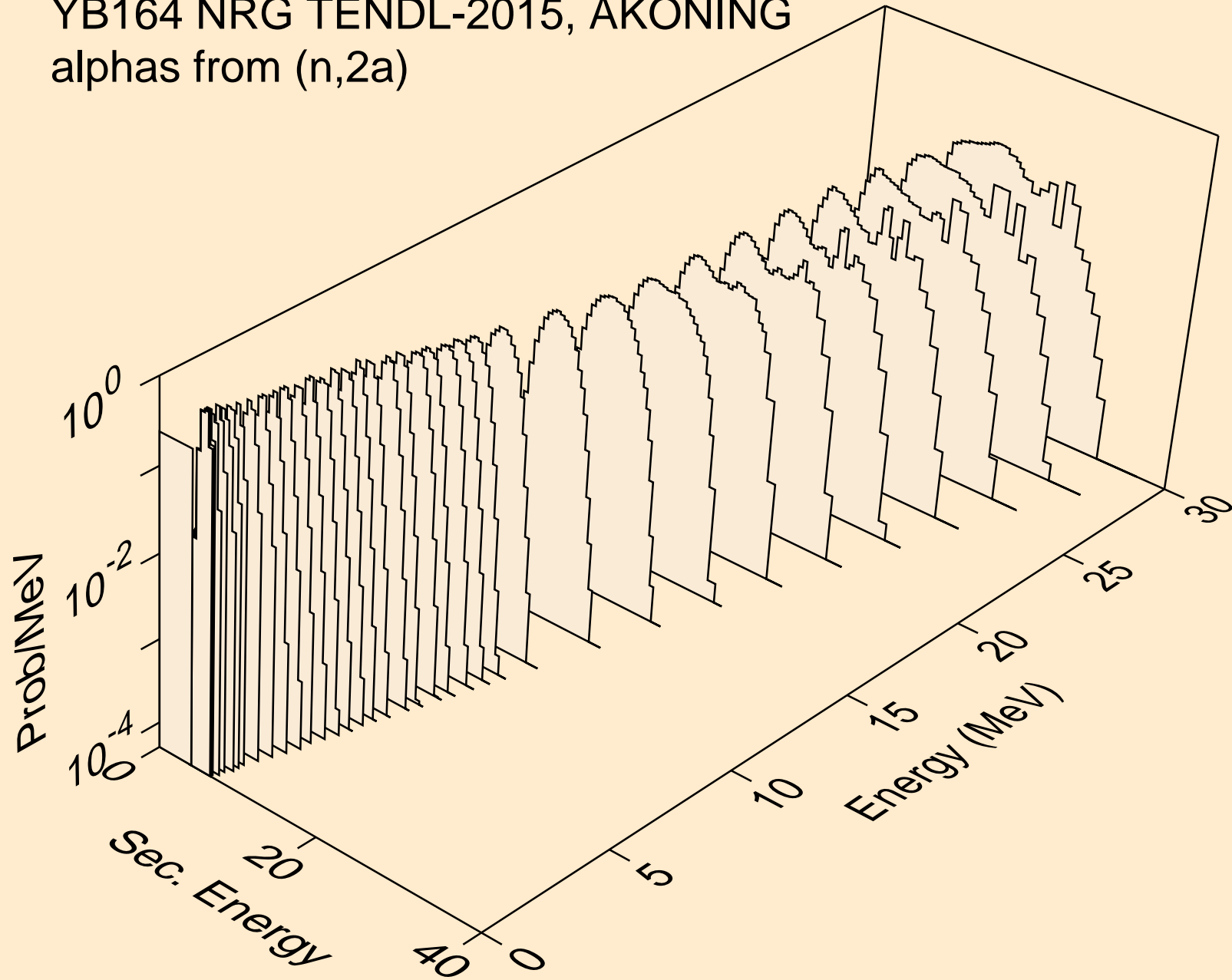
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alphas from (n,npa)



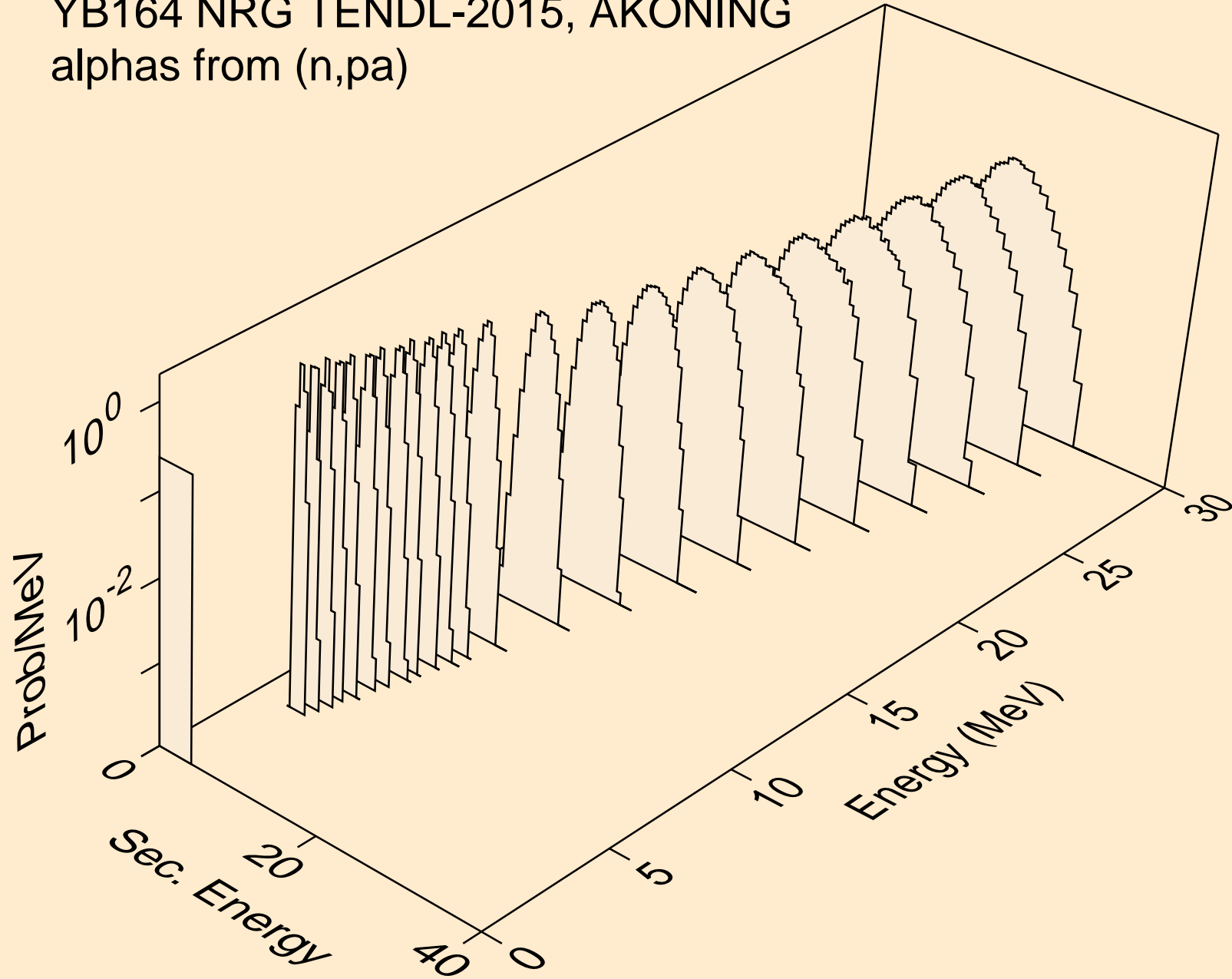
YB164 NRG TENDL-2015, AKONING  
alphas from (n,a)



YB164 NRG TENDL-2015, AKONING  
alphas from (n,2a)



YB164 NRG TENDL-2015, AKONING  
alphas from (n,pa)



YB164 NRG TENDL-2015, AKONING  
alphas from (n,da)

