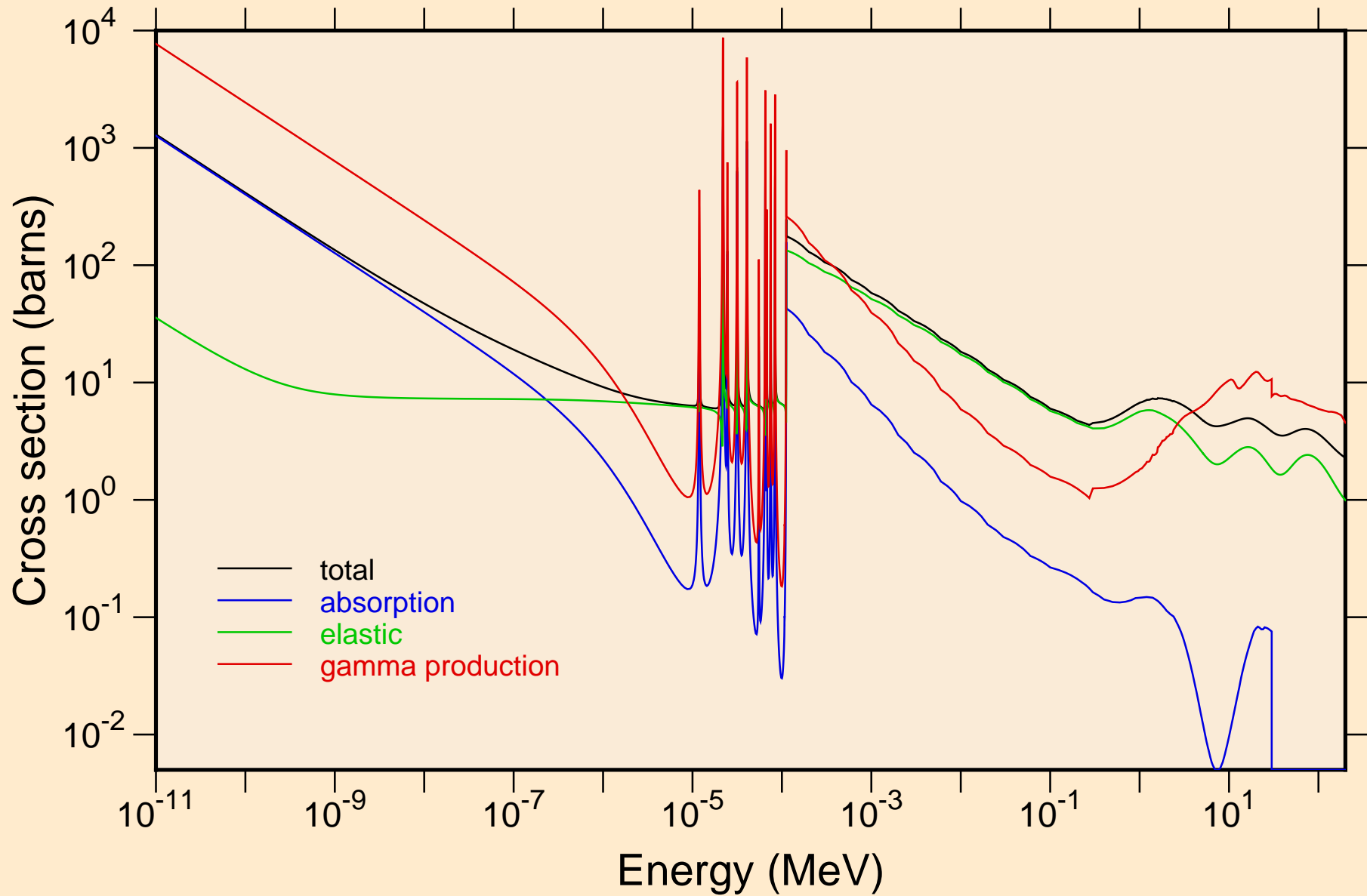
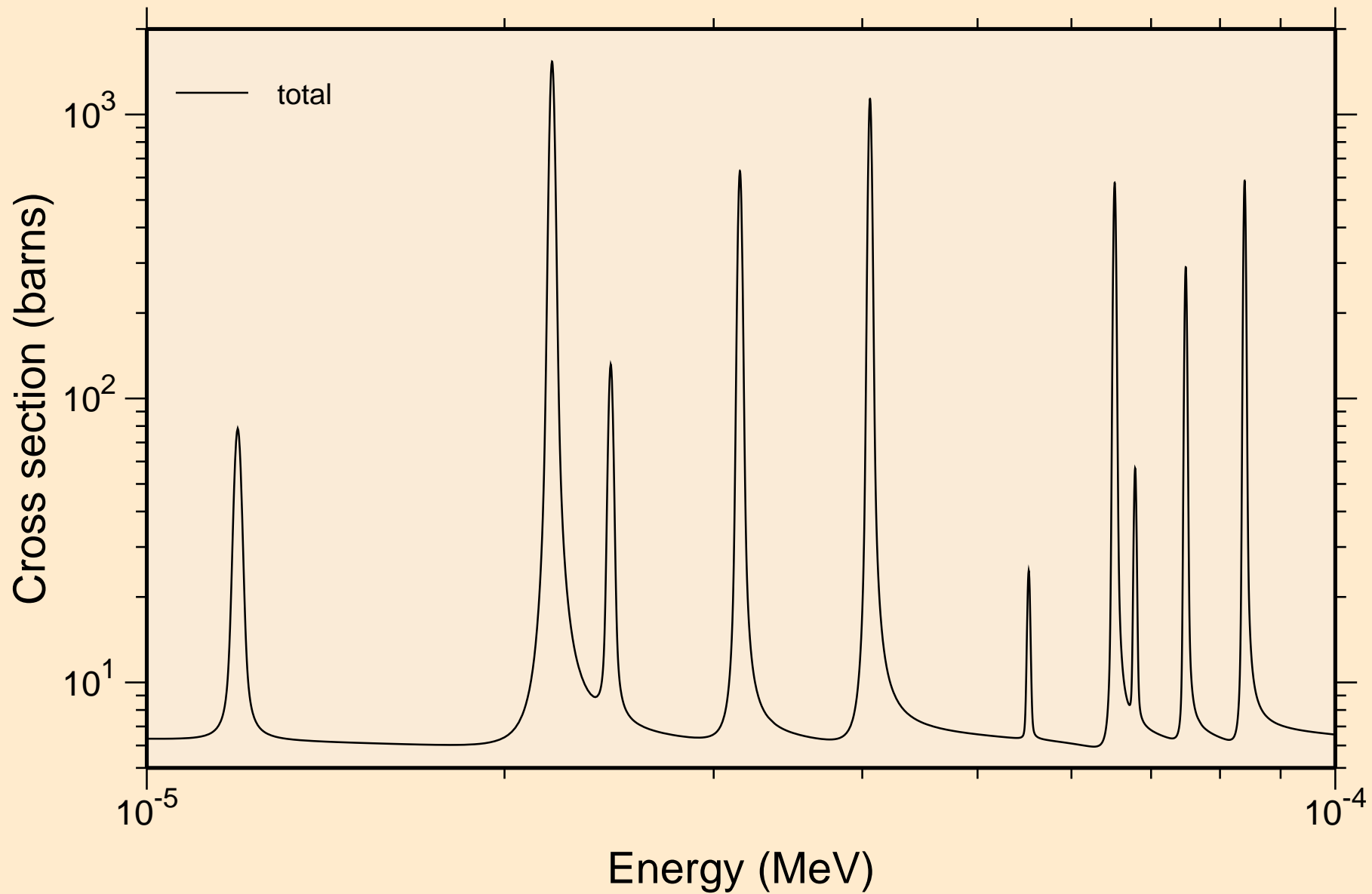


# PM143 NRG TENDL-2015, AKONING

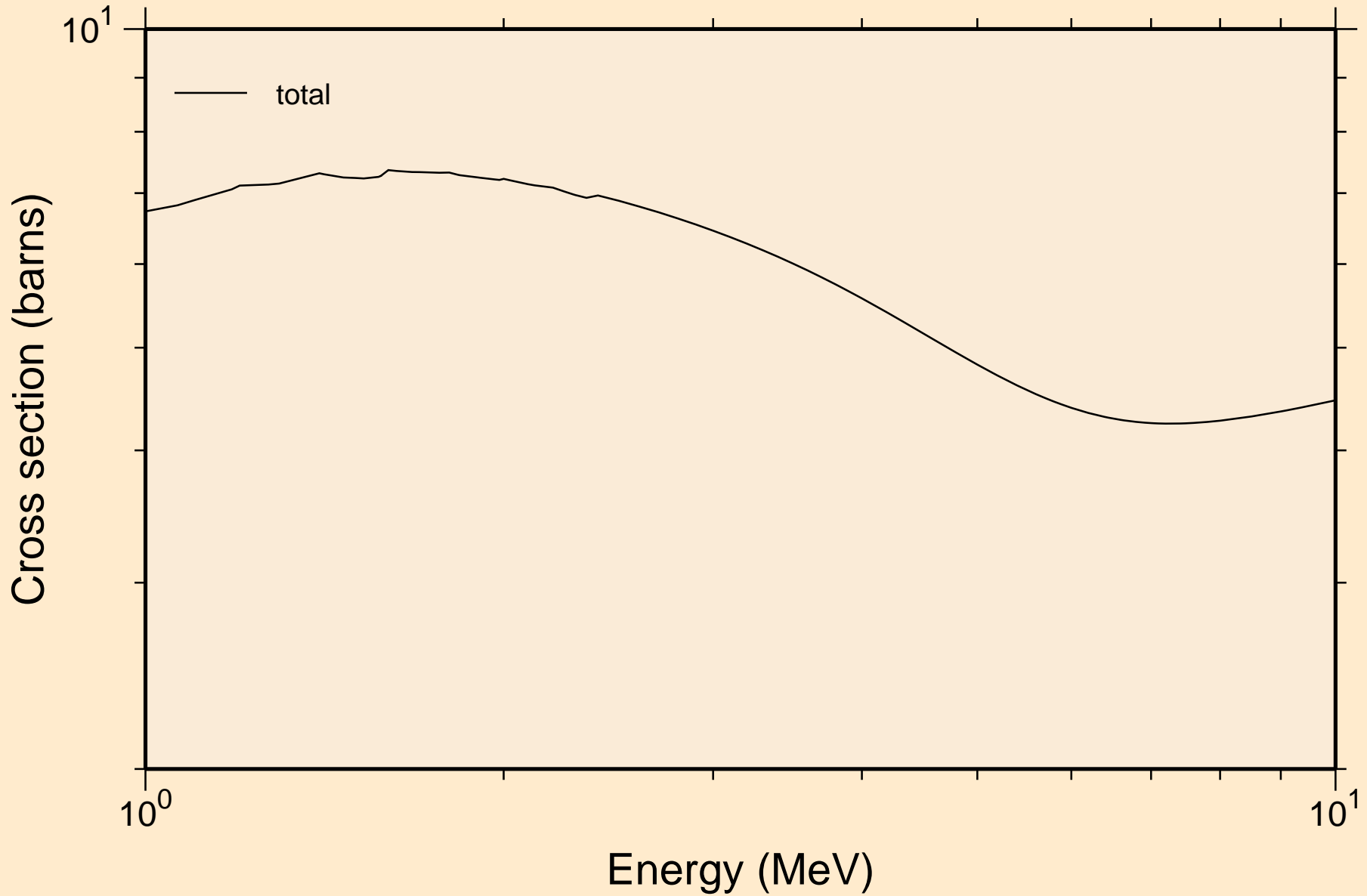
## Principal cross sections



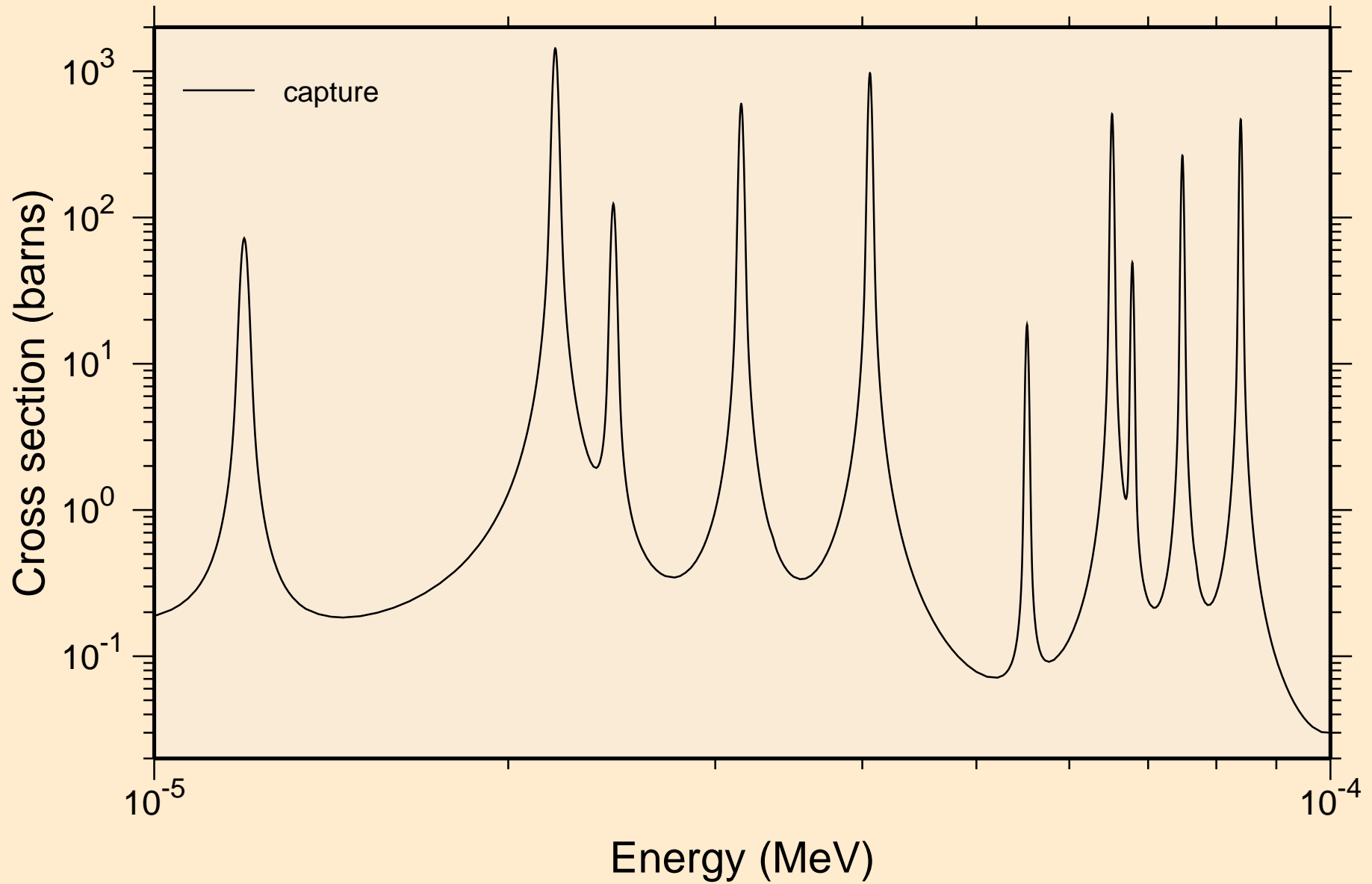
PM143 NRG TENDL-2015, AKONING  
resonance total cross section



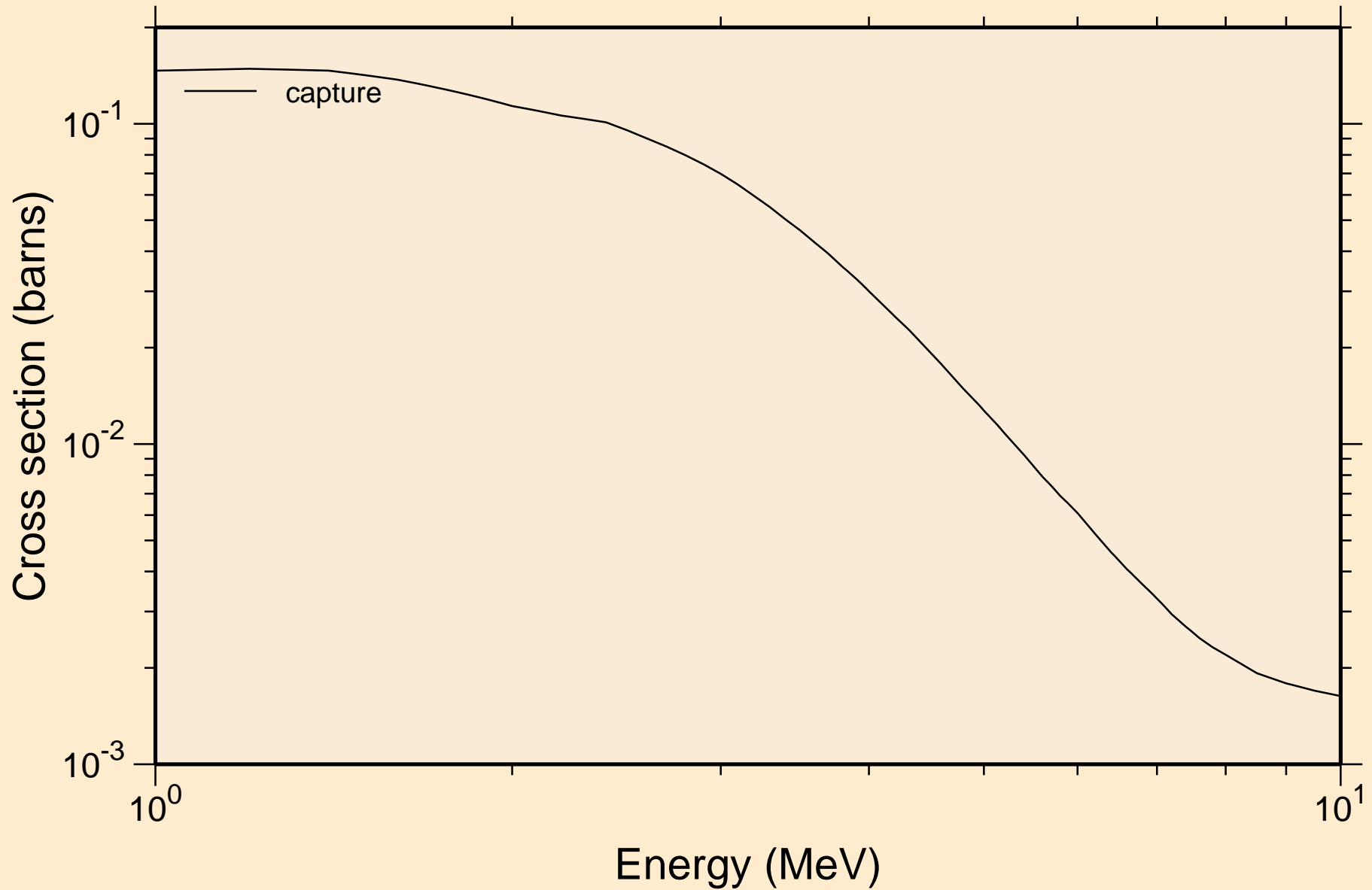
PM143 NRG TENDL-2015, AKONING  
resonance total cross section



PM143 NRG TENDL-2015, AKONING  
resonance absorption cross sections

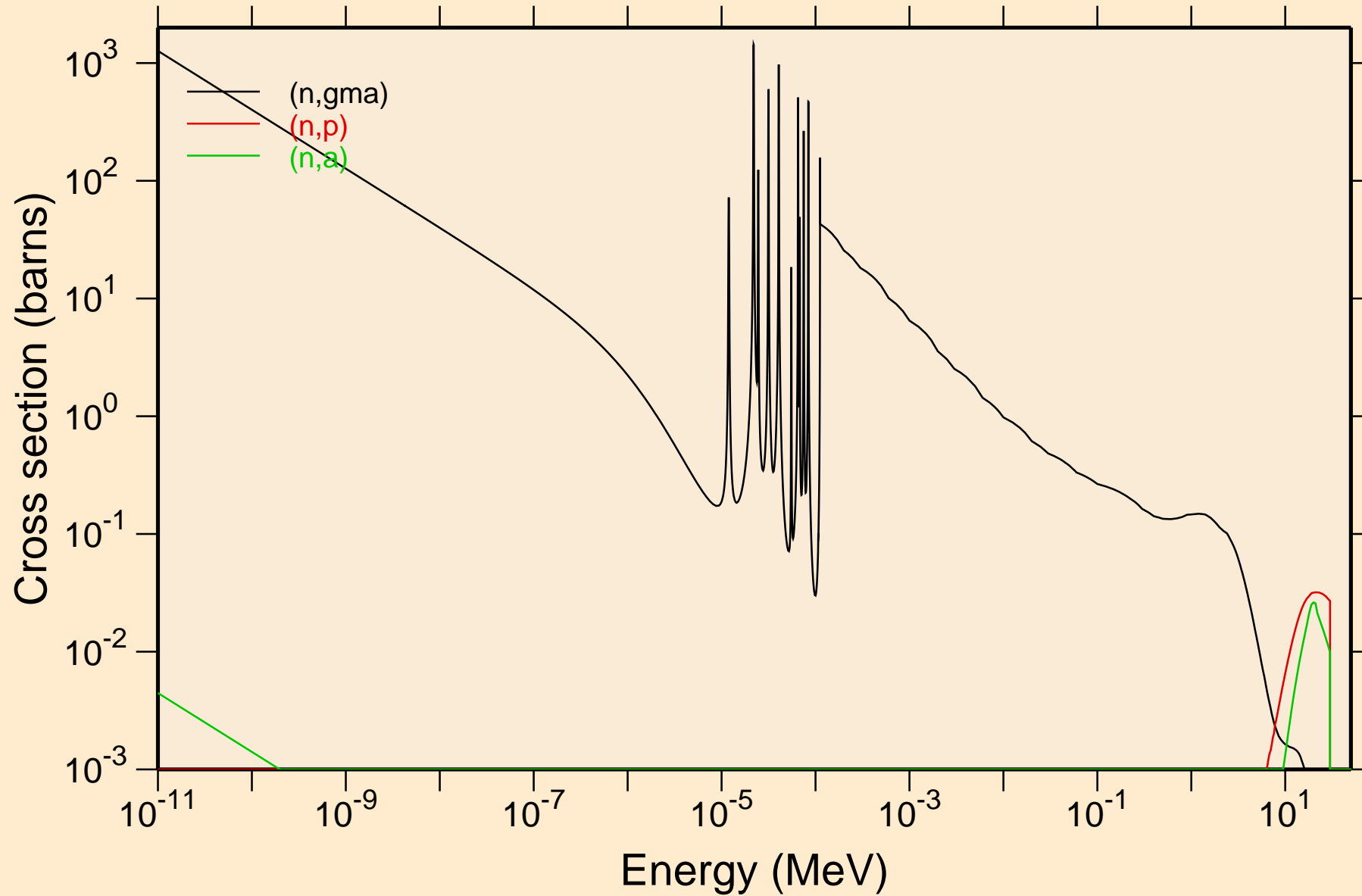


PM143 NRG TENDL-2015, AKONING  
resonance absorption cross sections



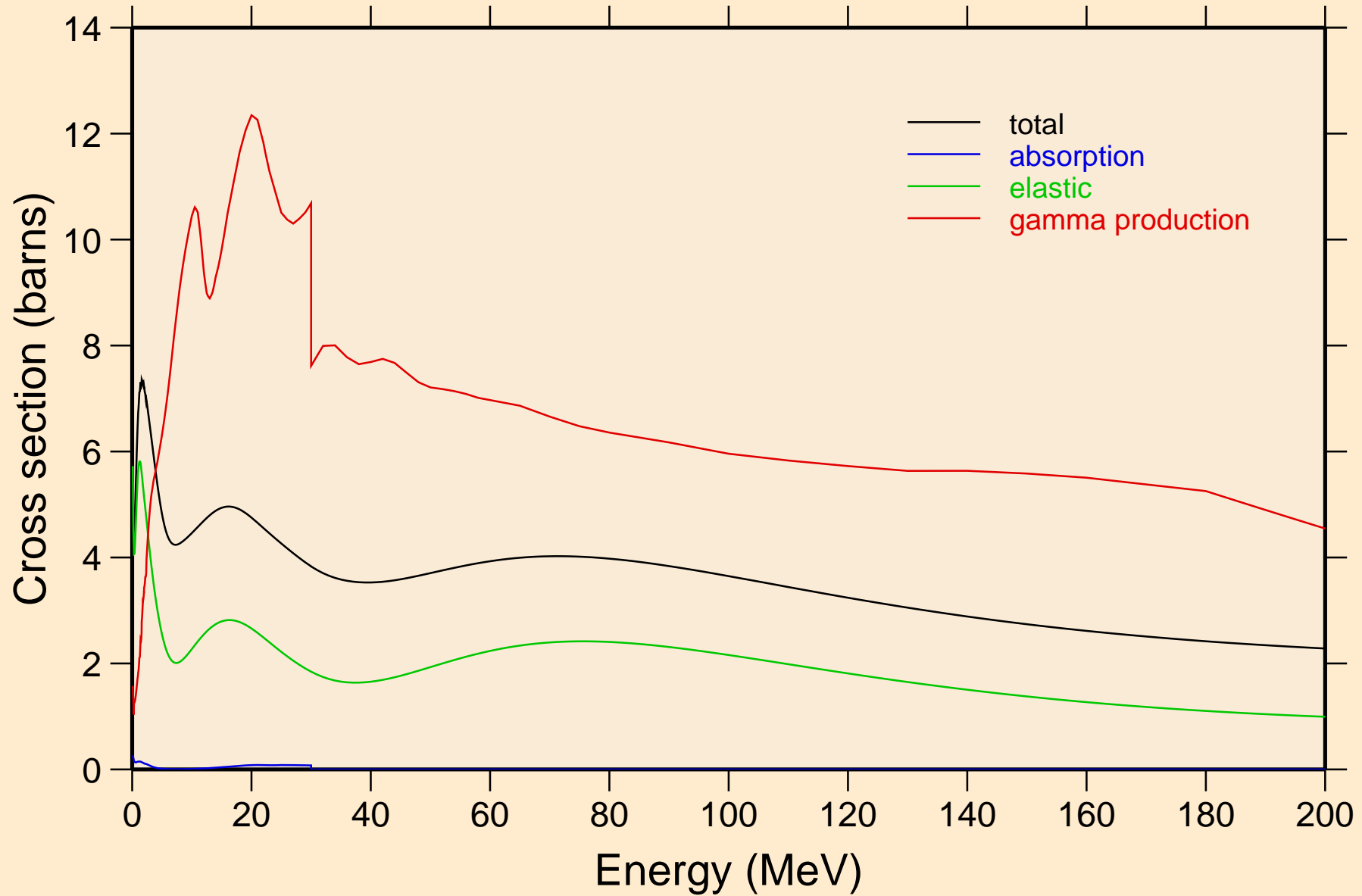
# PM143 NRG TENDL-2015, AKONING

## Non-threshold reactions



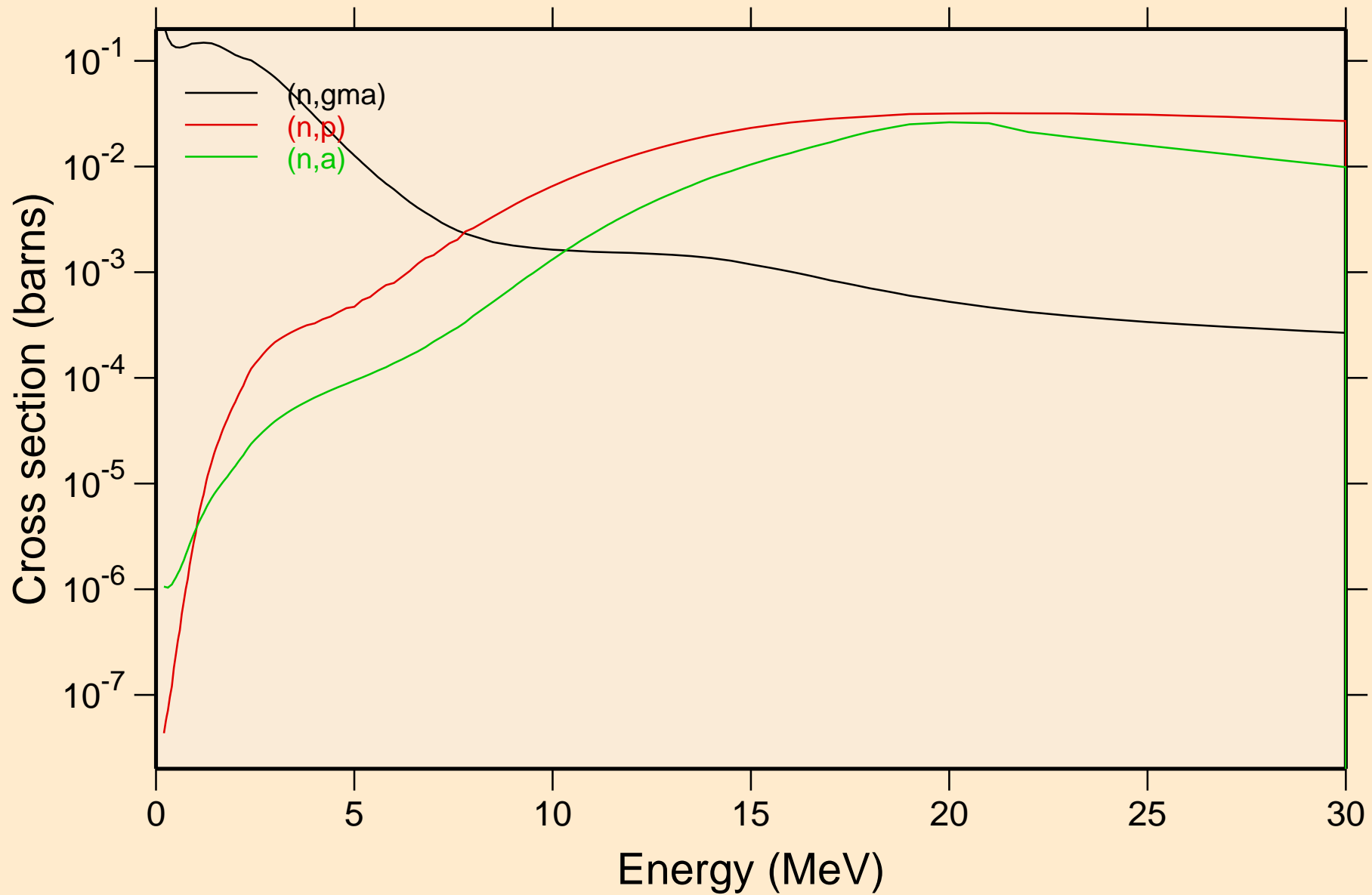
# PM143 NRG TENDL-2015, AKONING

## Principal cross sections



# PM143 NRG TENDL-2015, AKONING

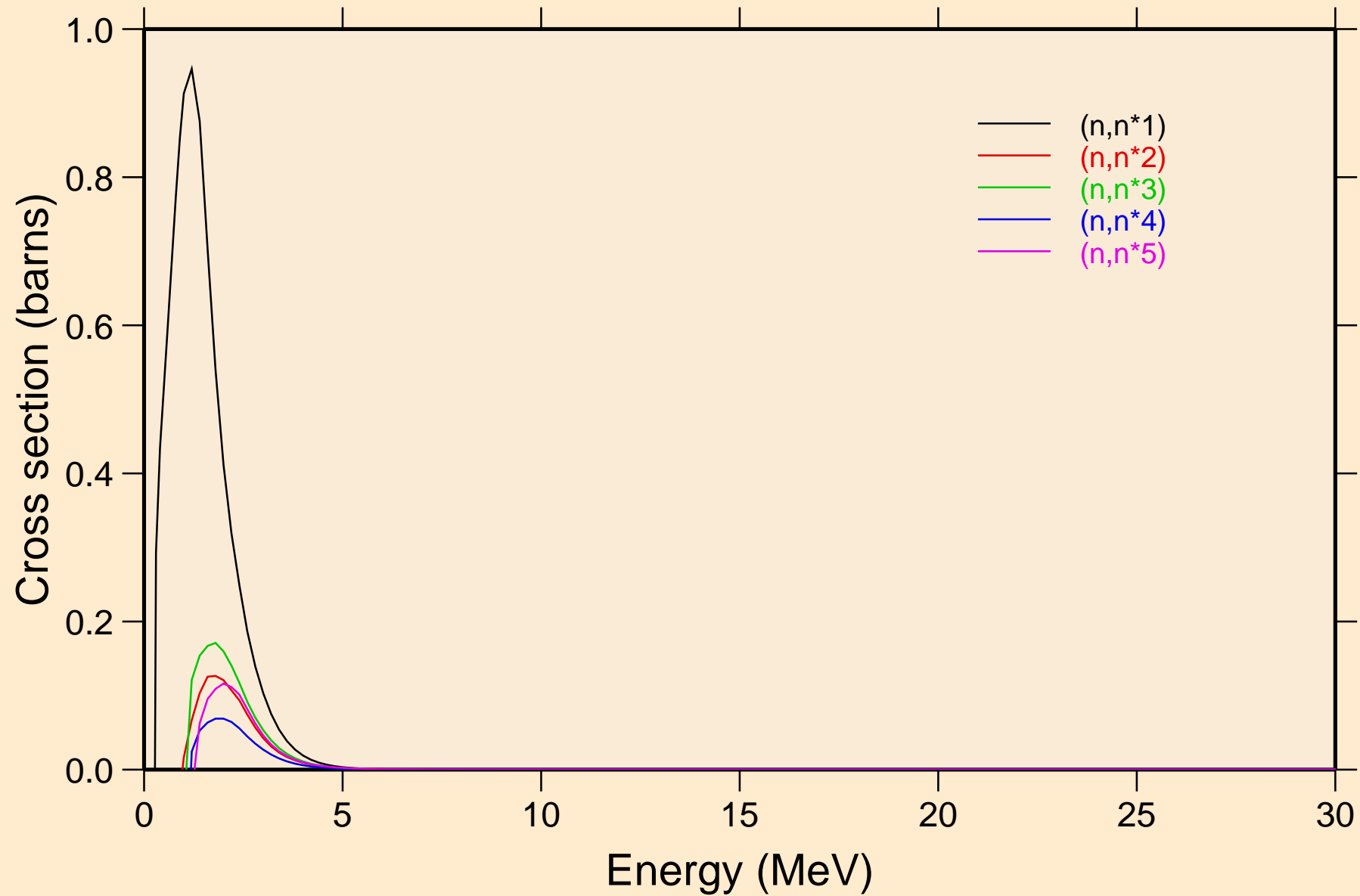
## Non-threshold reactions





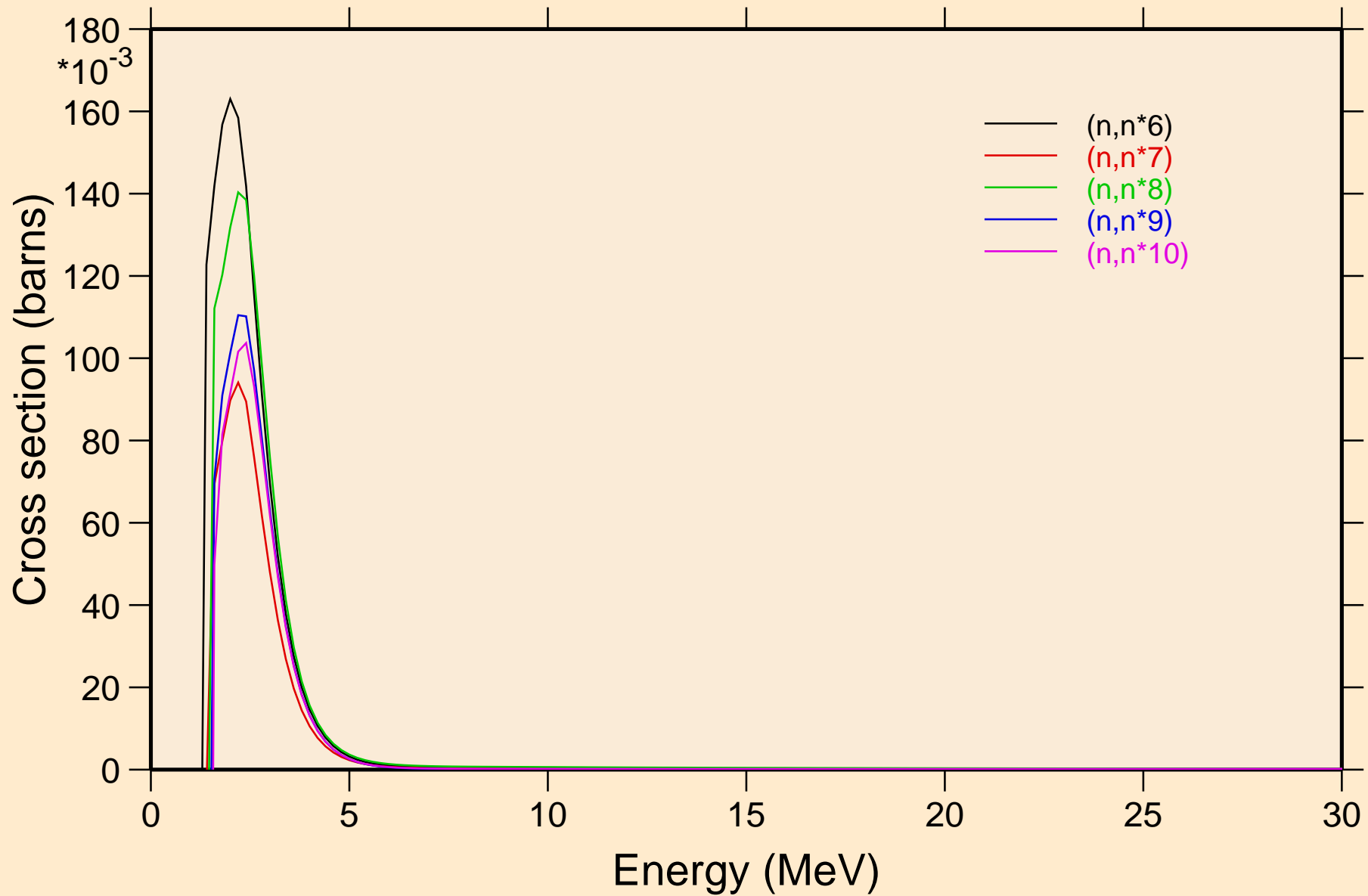
# PM143 NRG TENDL-2015, AKONING

## Inelastic levels



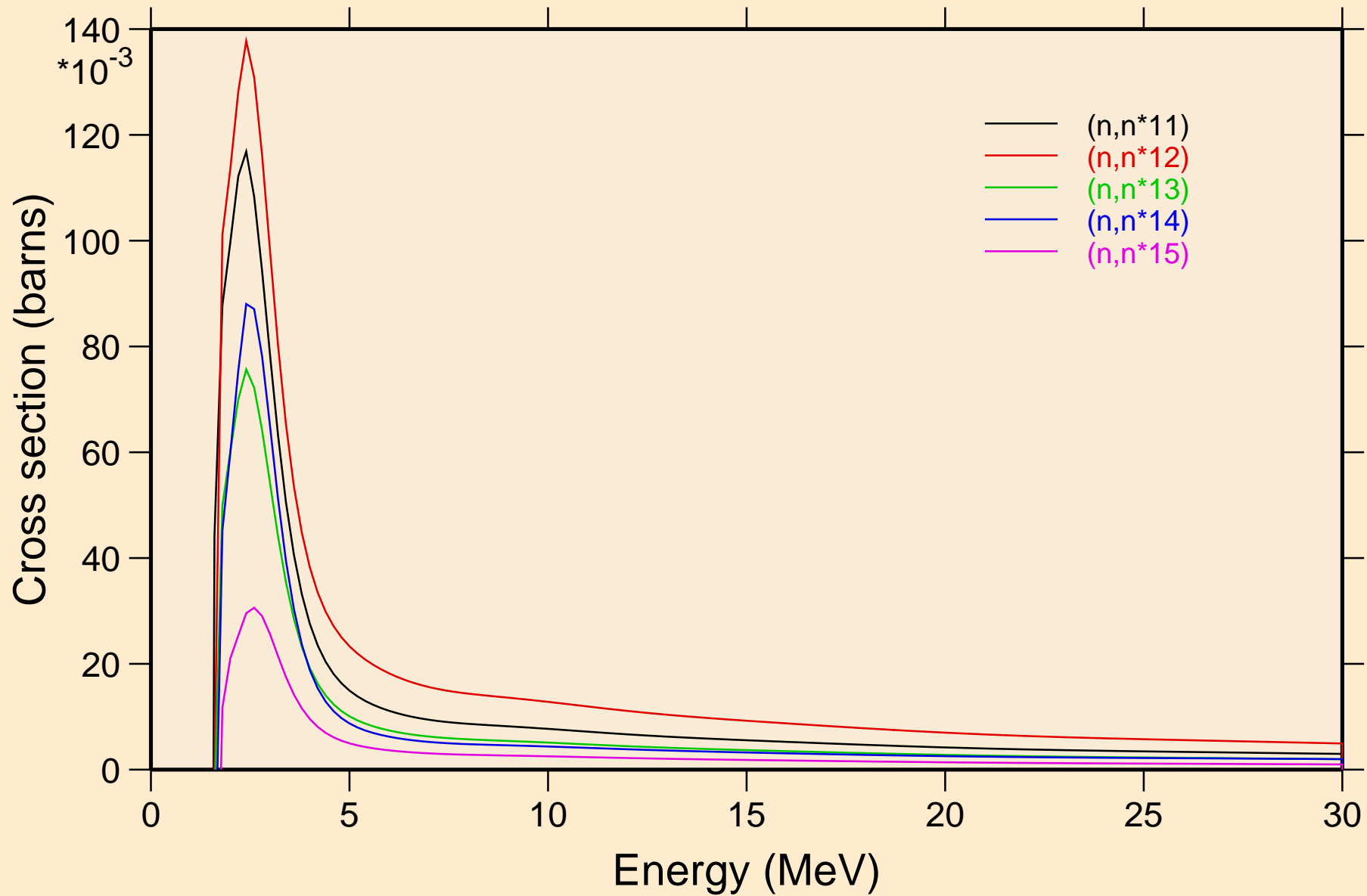
# PM143 NRG TENDL-2015, AKONING

## Inelastic levels



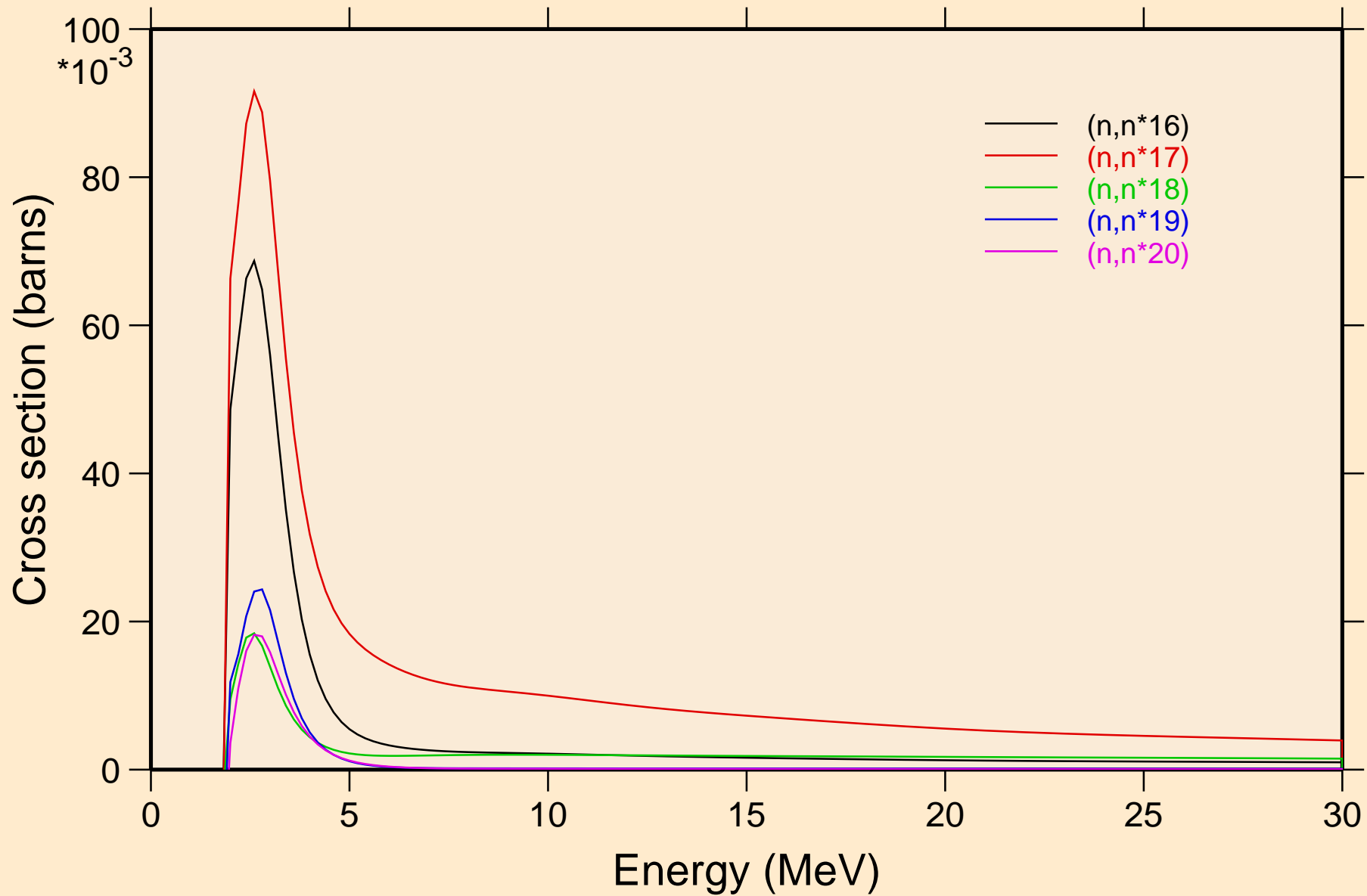
# PM143 NRG TENDL-2015, AKONING

## Inelastic levels



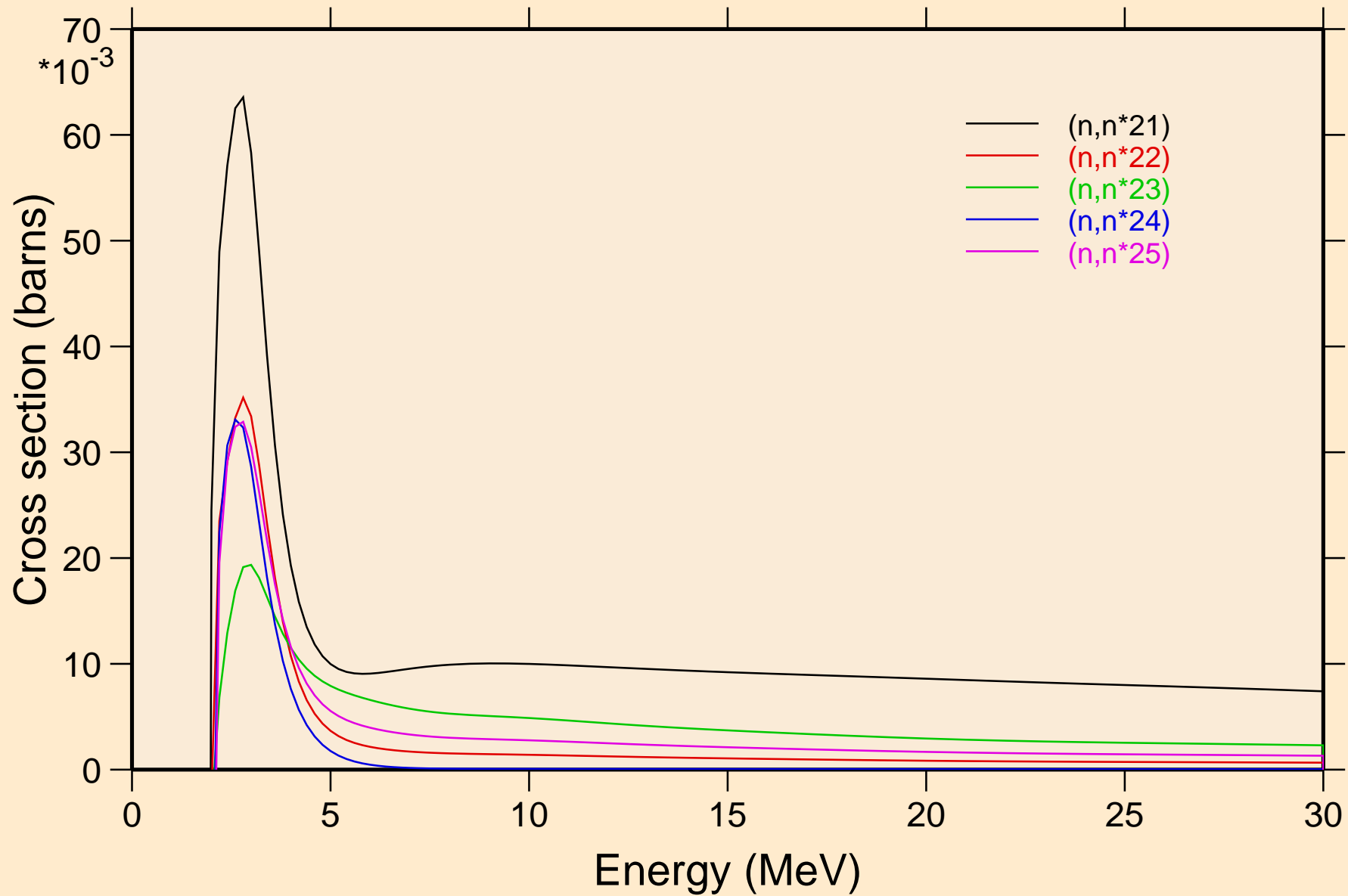
# PM143 NRG TENDL-2015, AKONING

## Inelastic levels



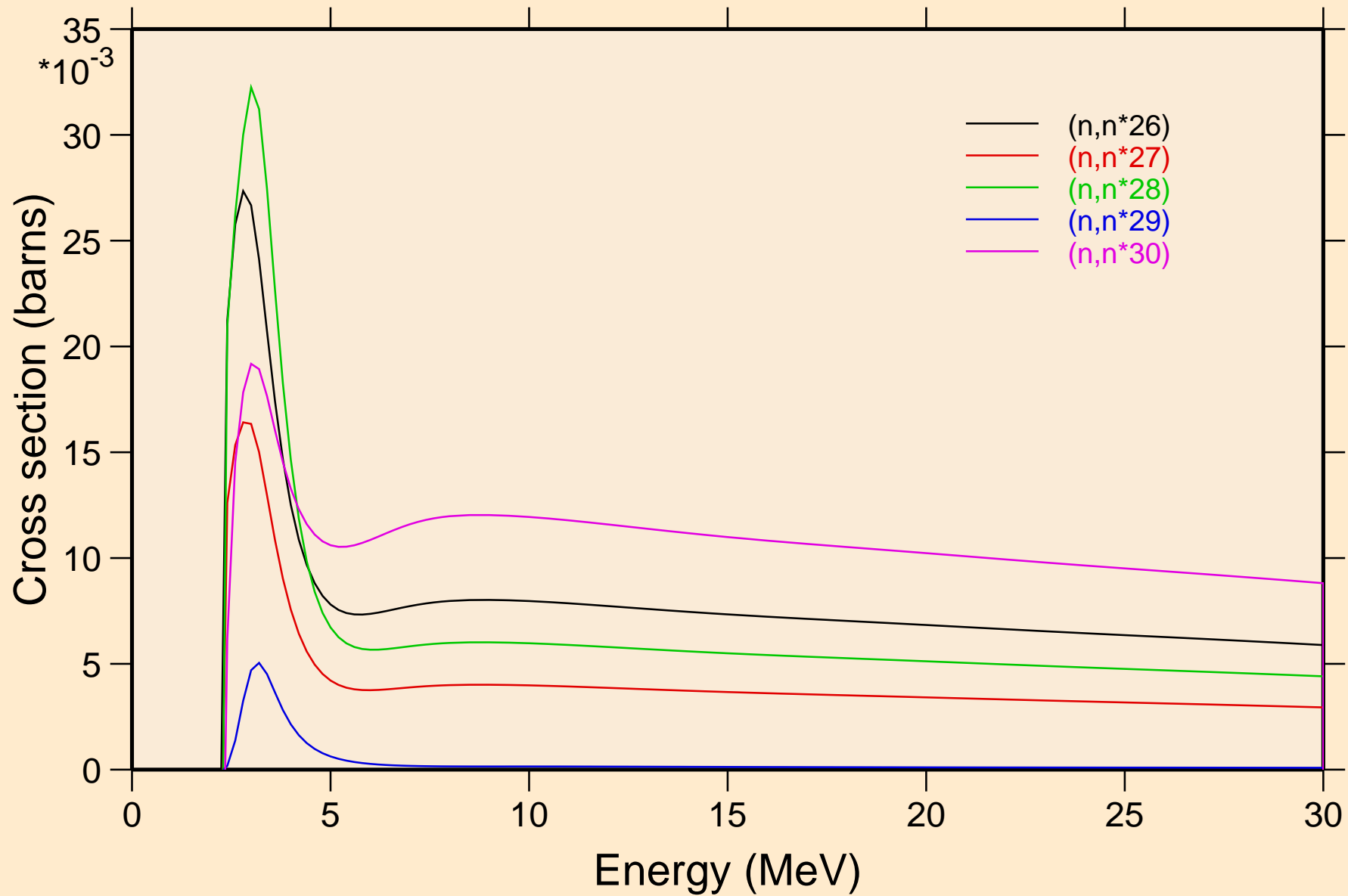
# PM143 NRG TENDL-2015, AKONING

## Inelastic levels



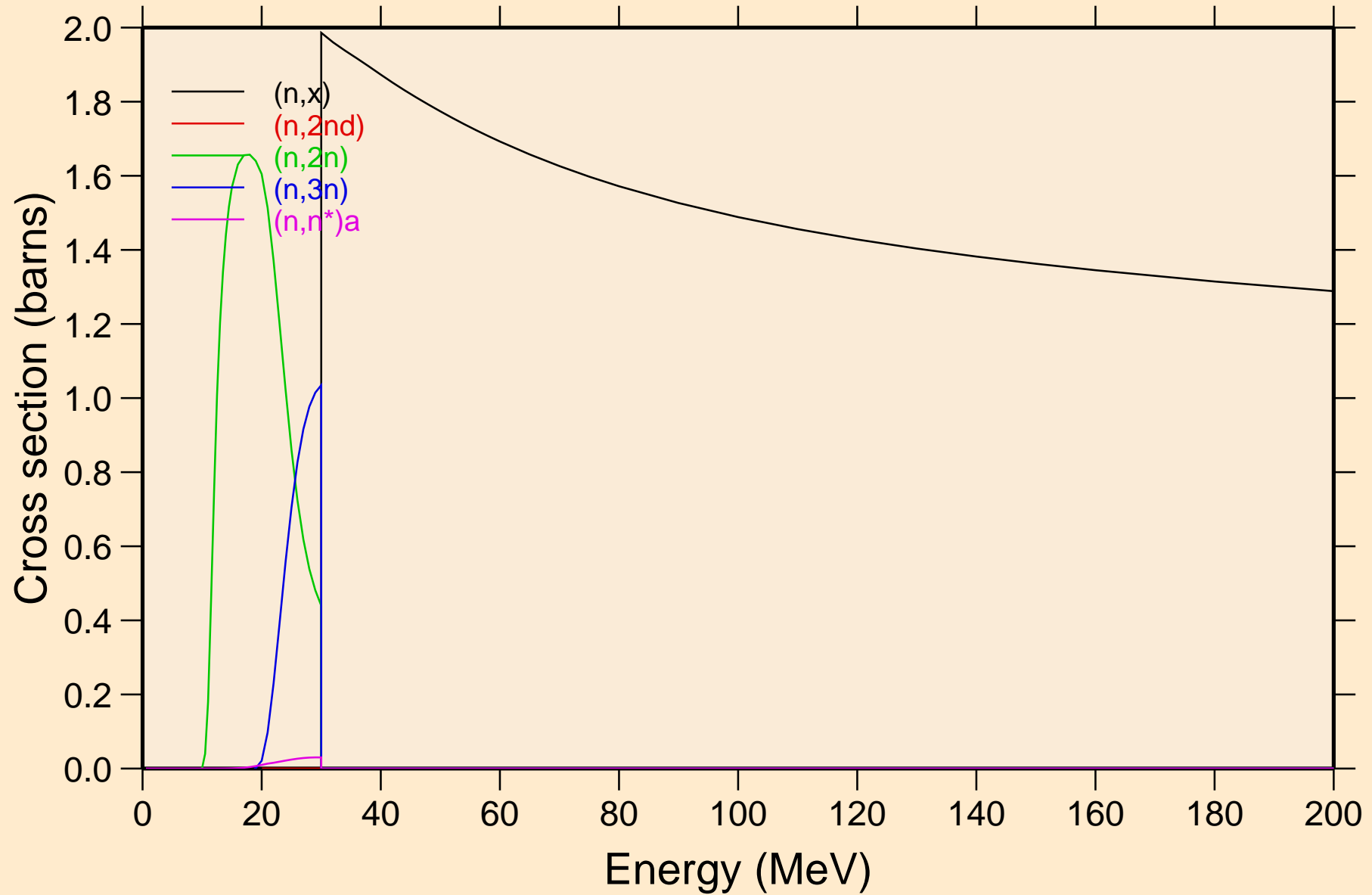
# PM143 NRG TENDL-2015, AKONING

## Inelastic levels



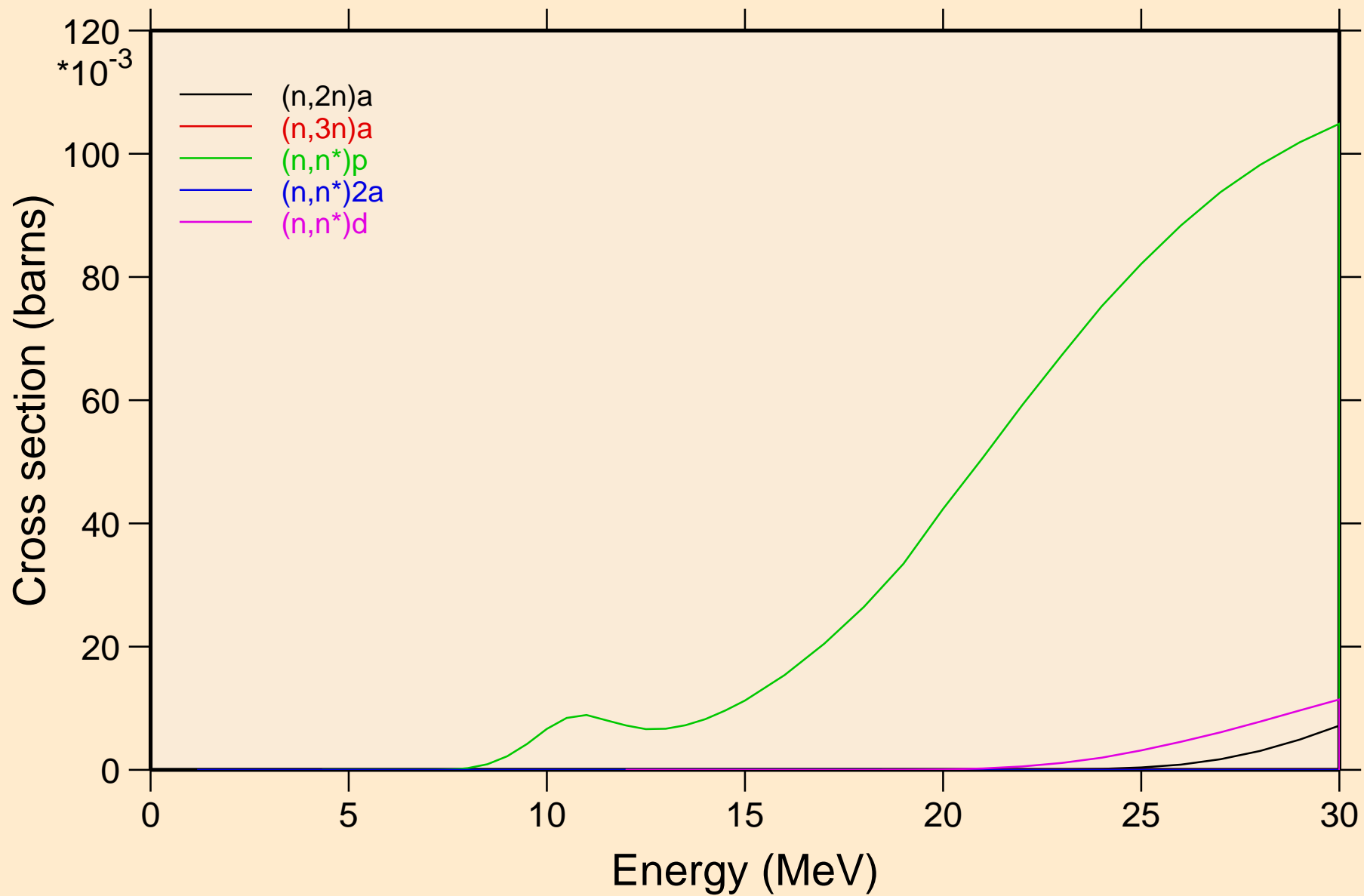
# PM143 NRG TENDL-2015, AKONING

## Threshold reactions



# PM143 NRG TENDL-2015, AKONING

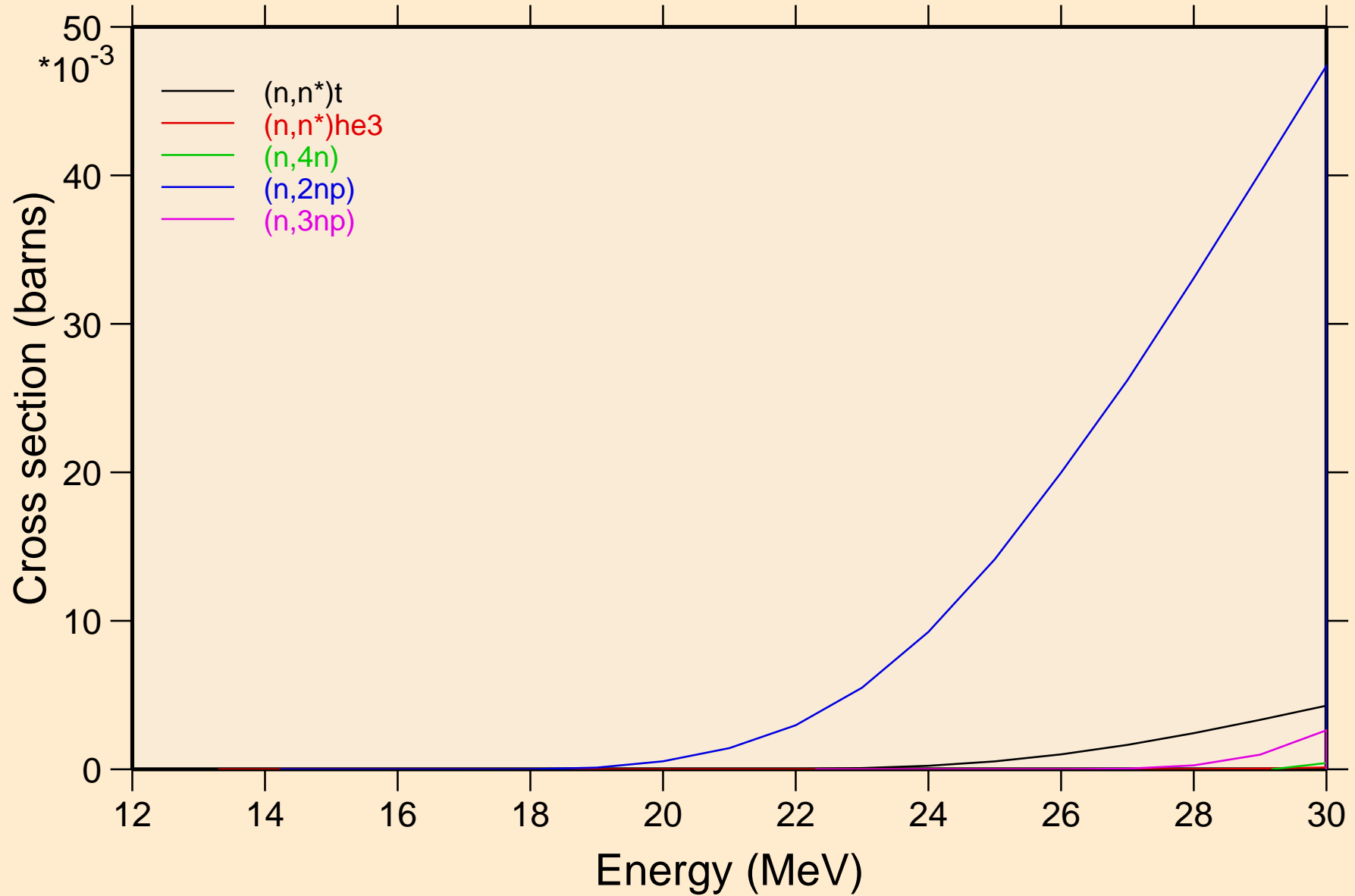
## Threshold reactions





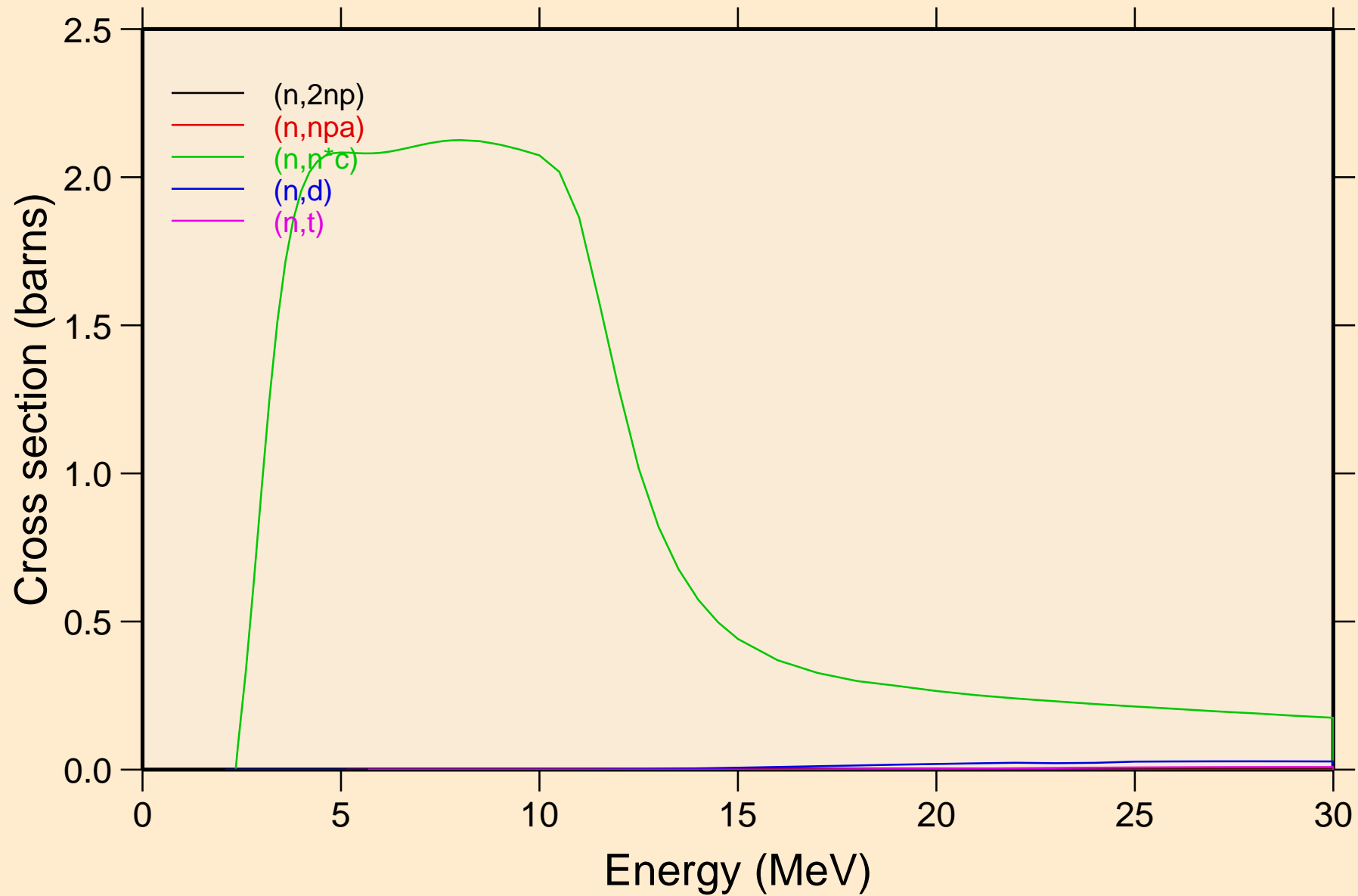
# PM143 NRG TENDL-2015, AKONING

## Threshold reactions



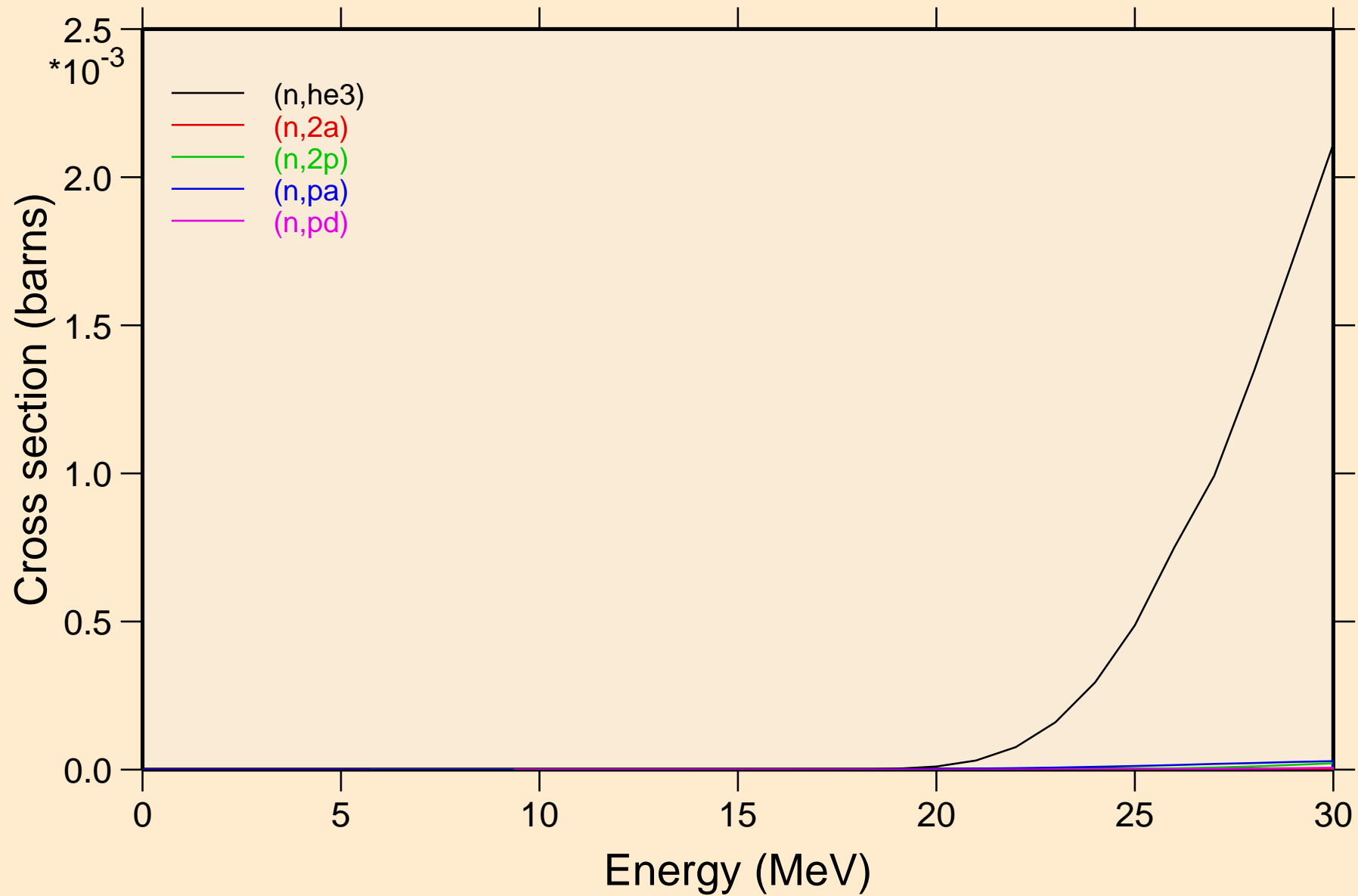
# PM143 NRG TENDL-2015, AKONING

## Threshold reactions



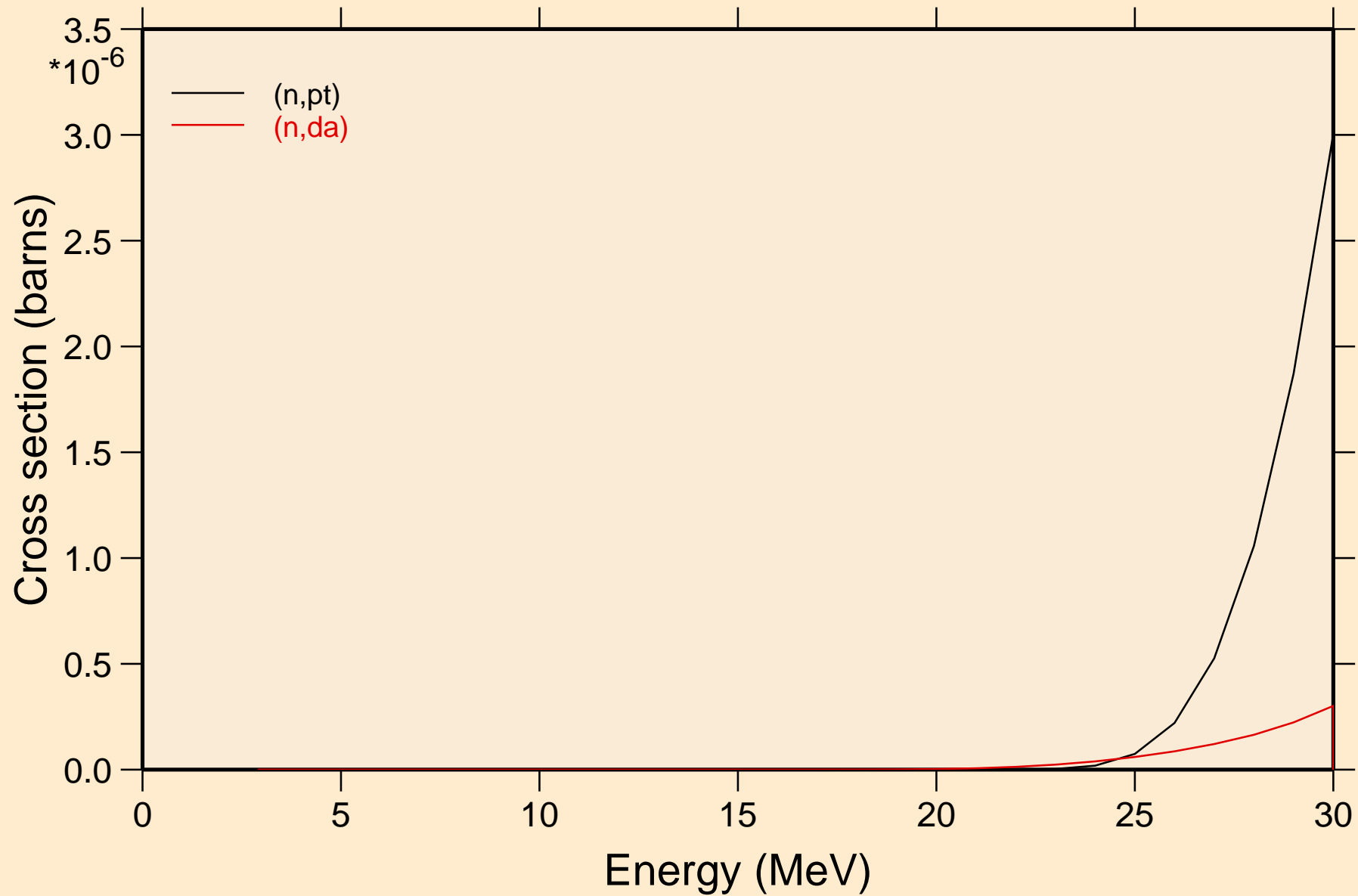
# PM143 NRG TENDL-2015, AKONING

## Threshold reactions

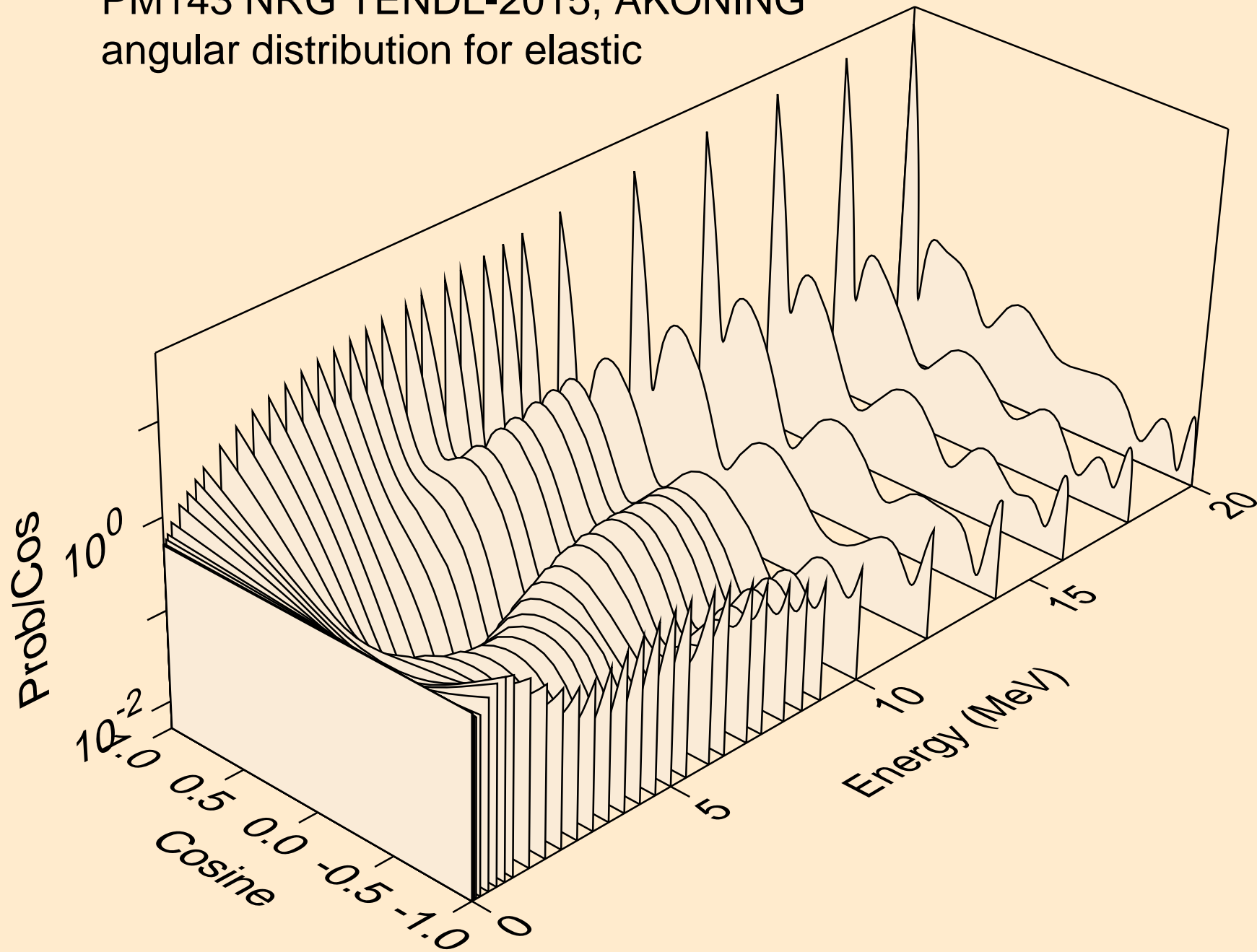


# PM143 NRG TENDL-2015, AKONING

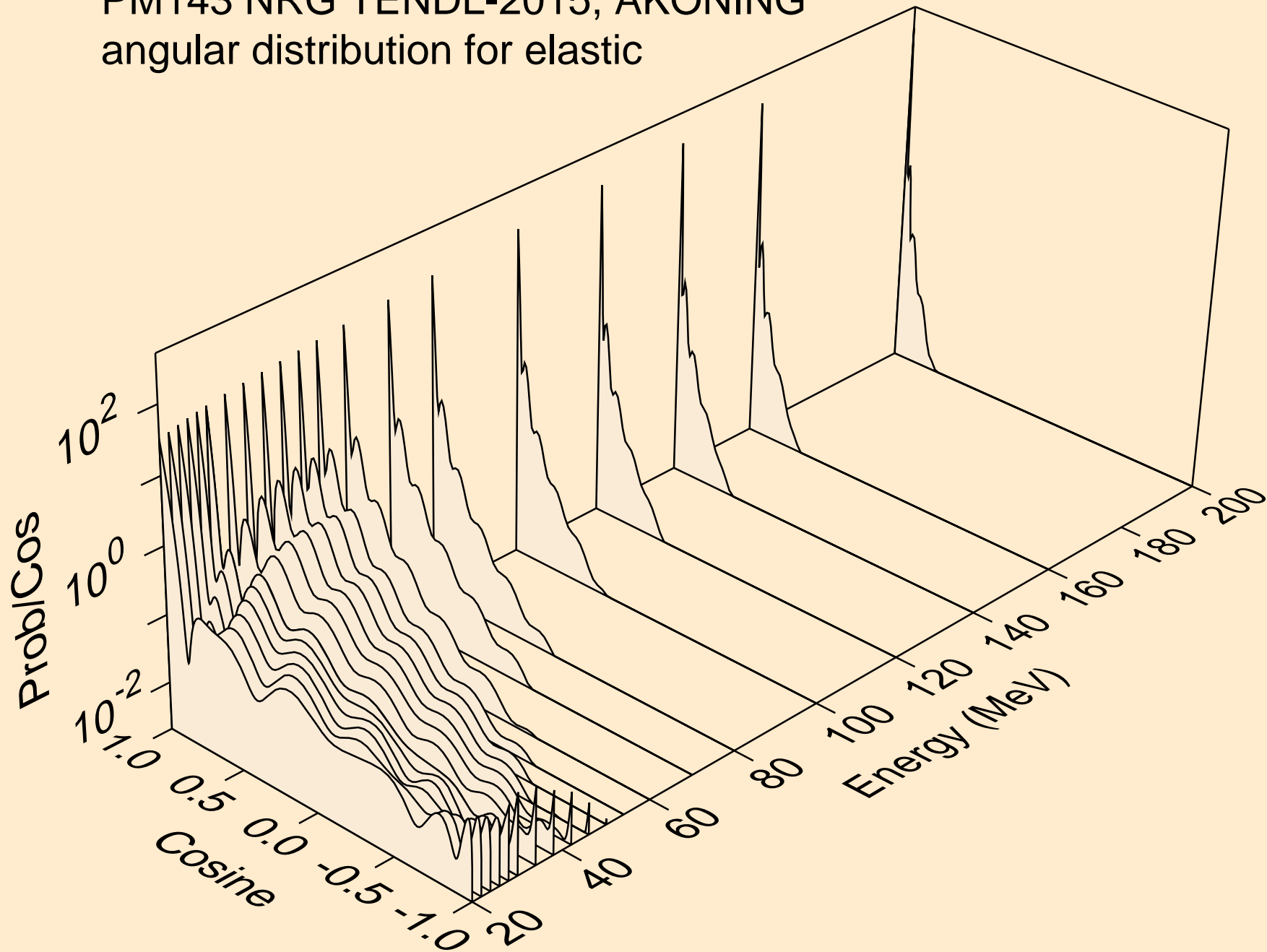
## Threshold reactions



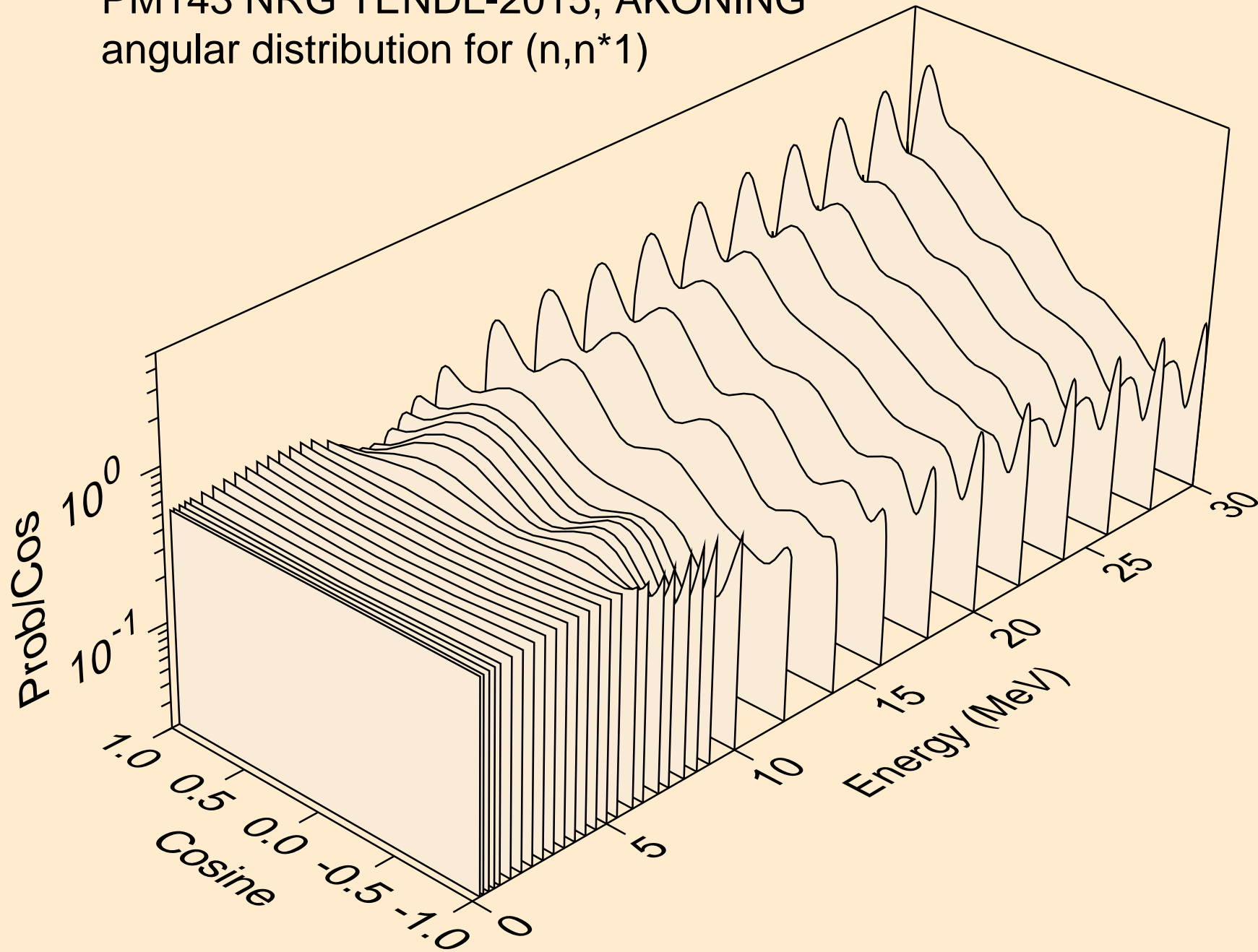
PM143 NRG TENDL-2015, AKONING  
angular distribution for elastic



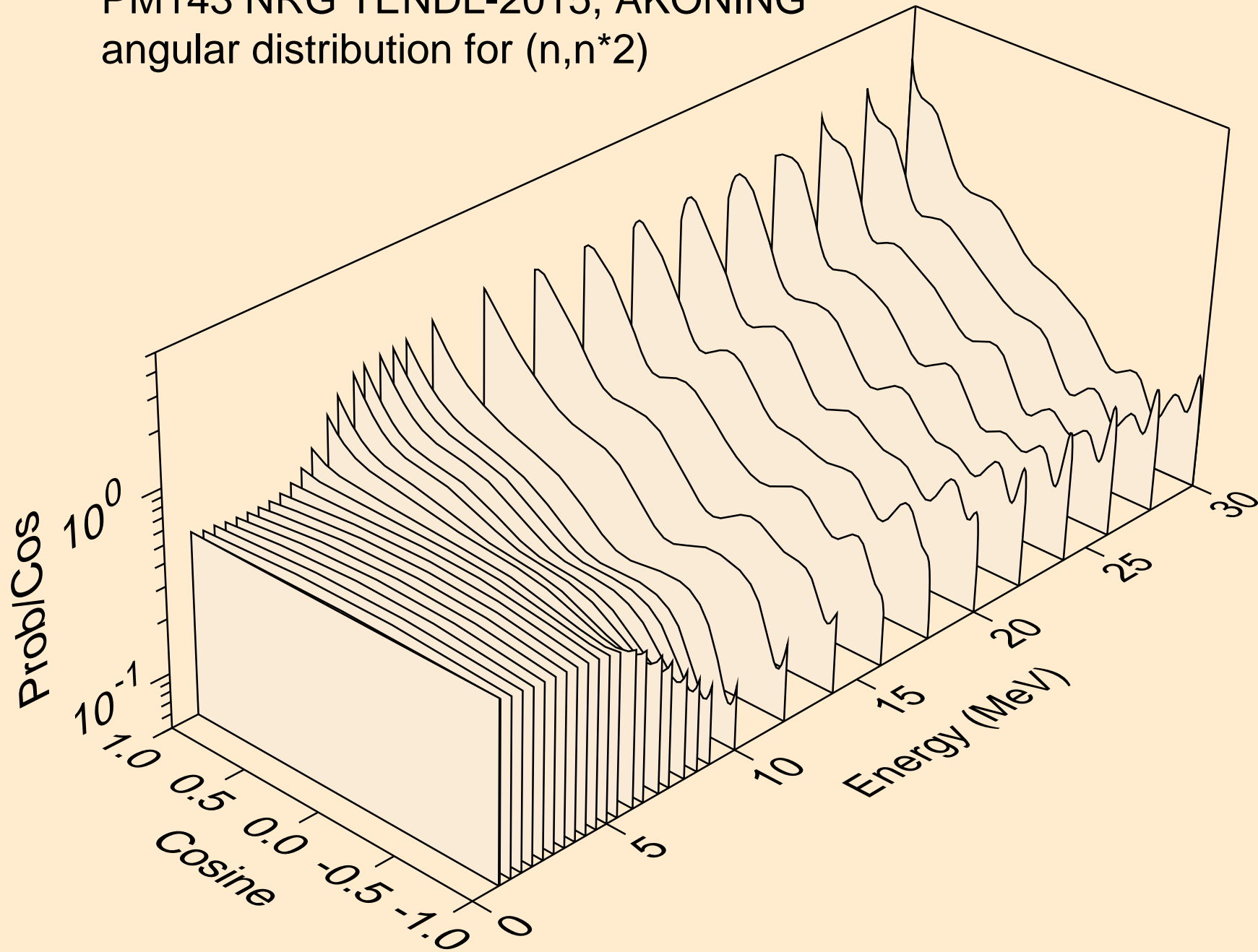
PM143 NRG TENDL-2015, AKONING  
angular distribution for elastic



PM143 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)

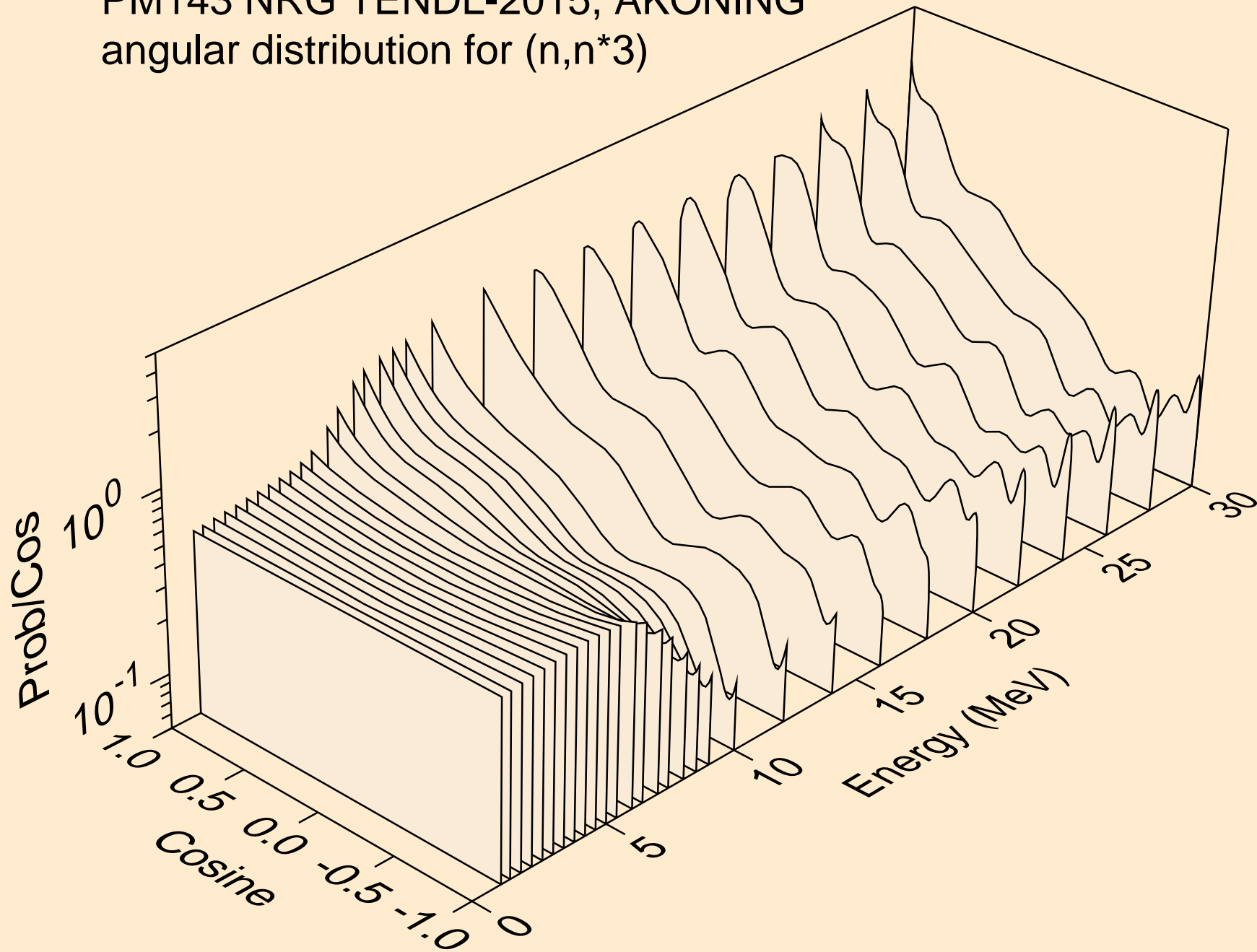


PM143 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)

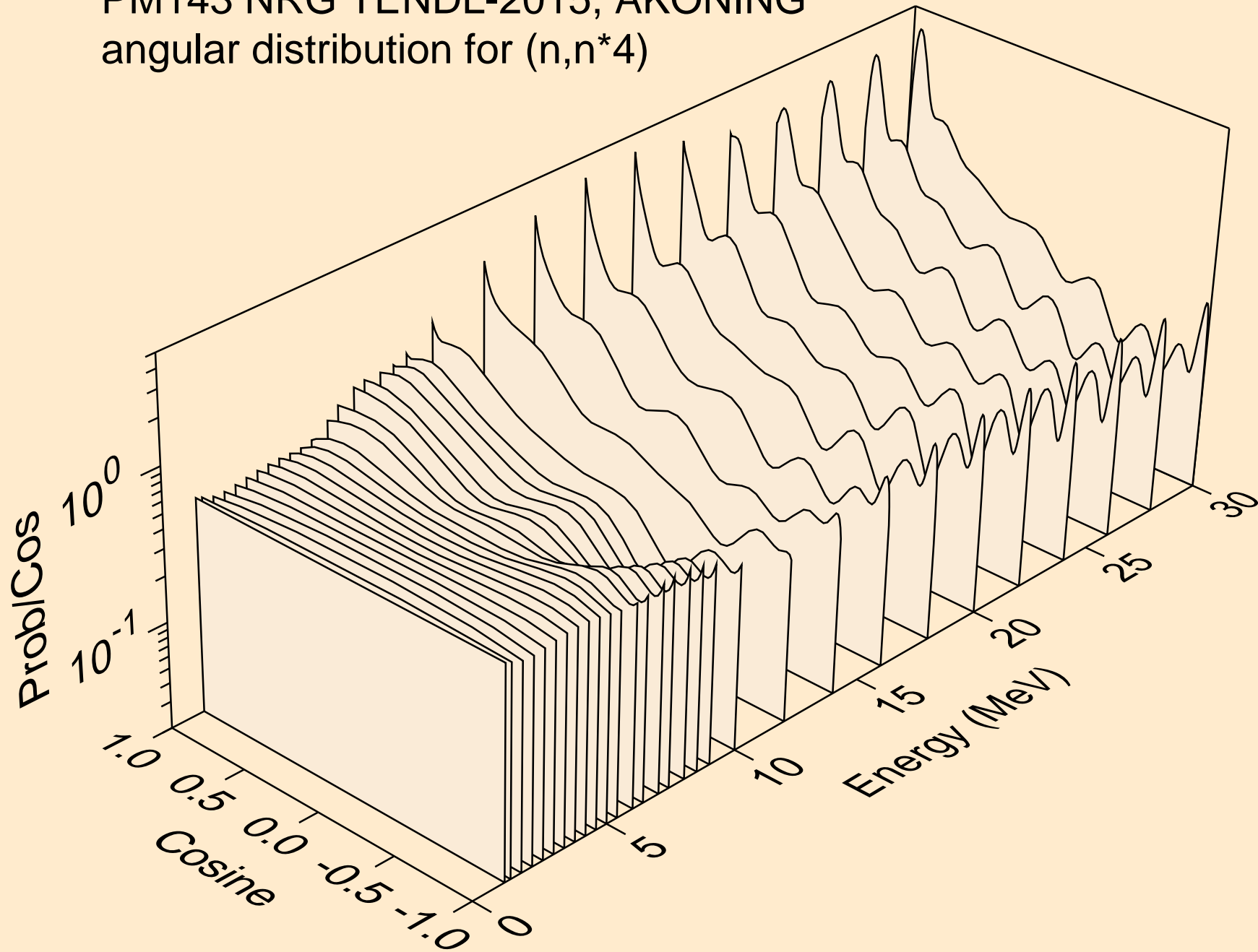




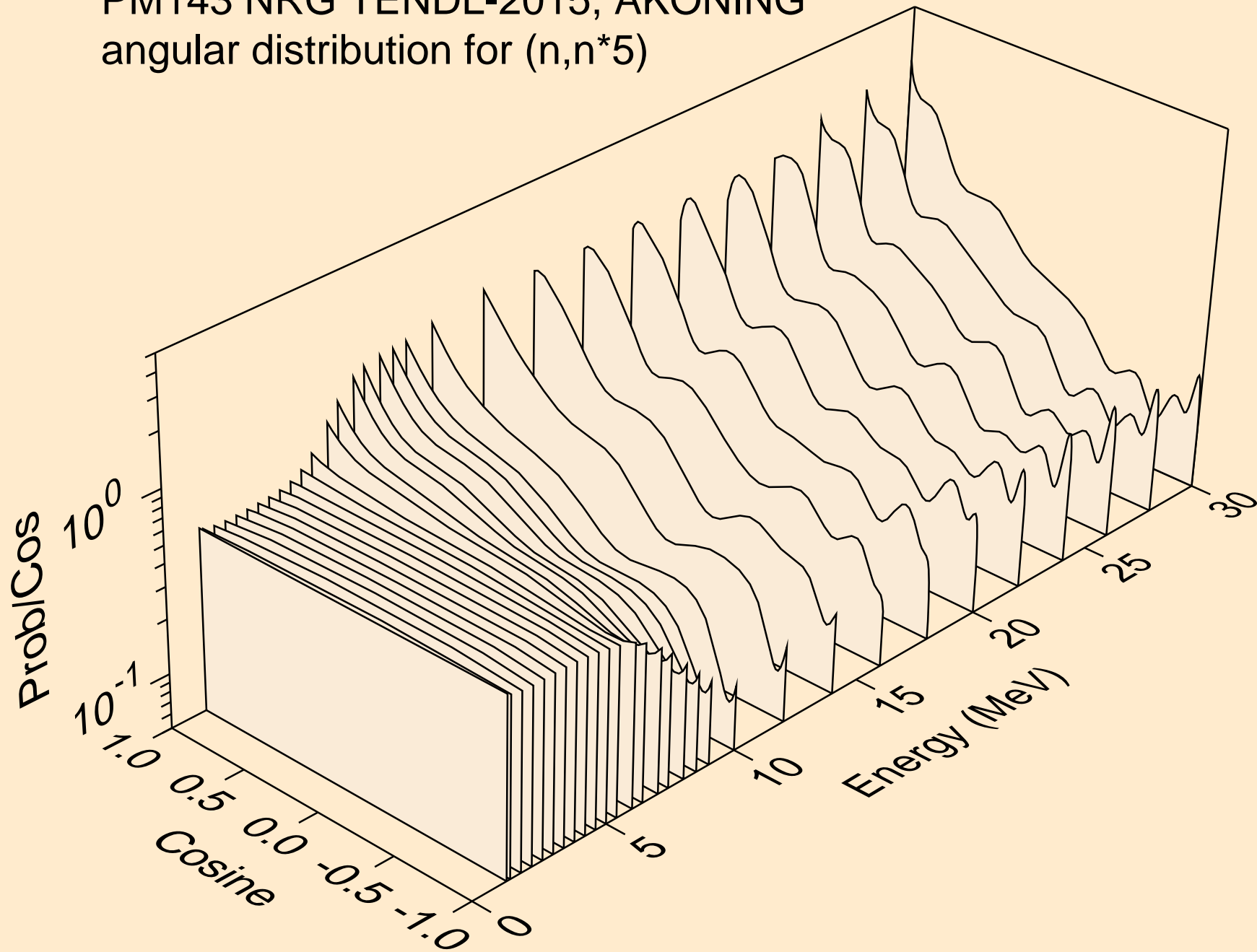
PM143 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



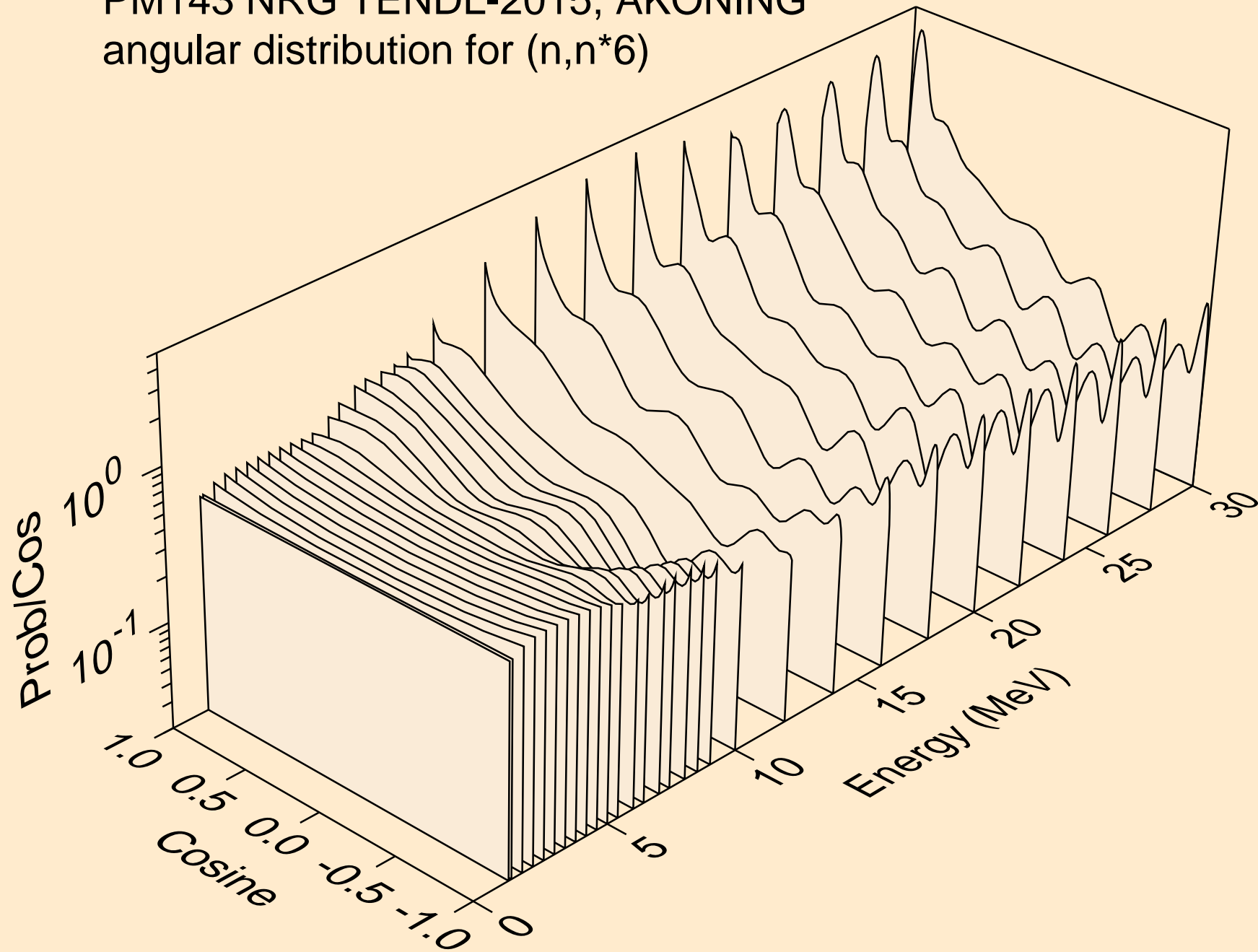
PM143 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



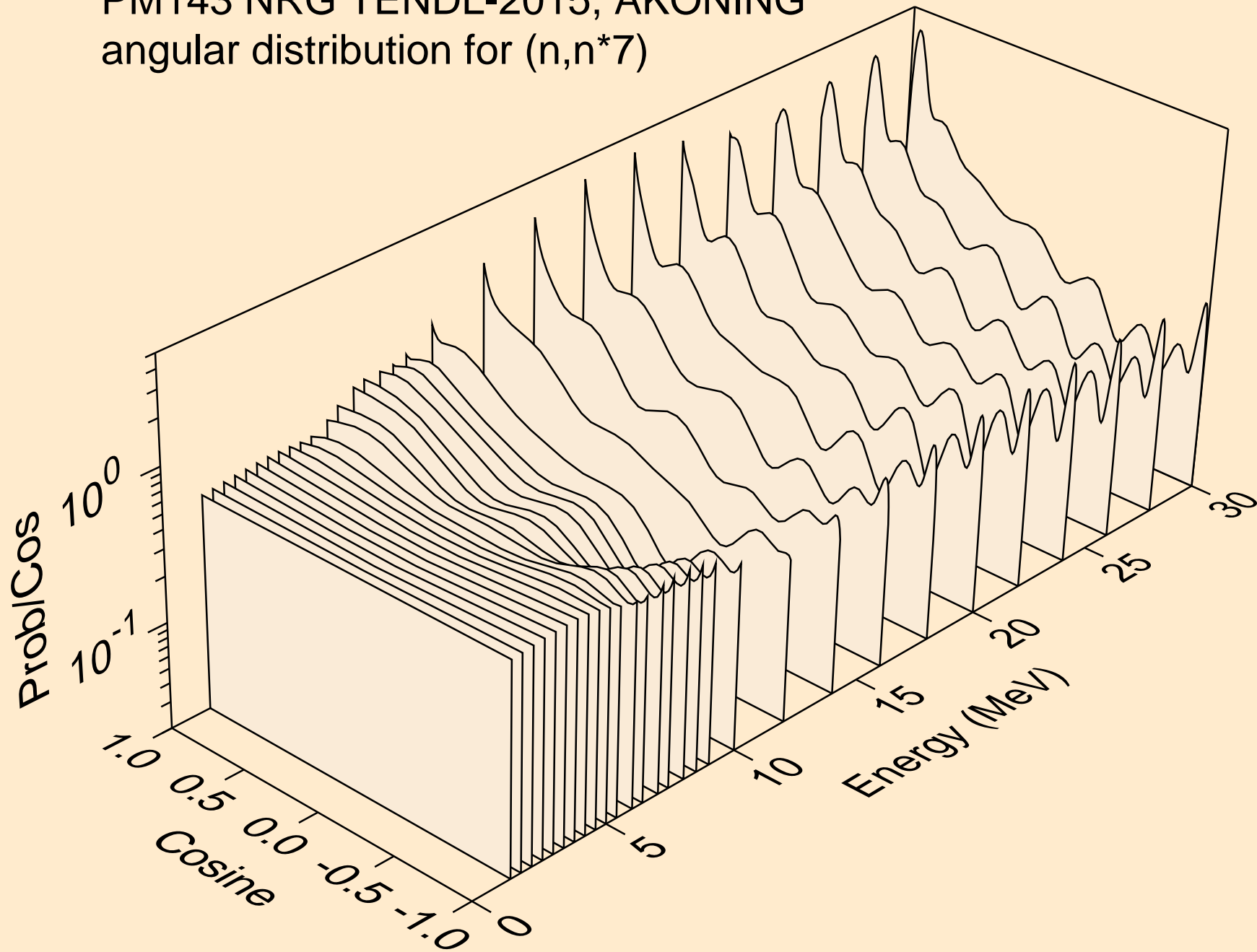
PM143 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)



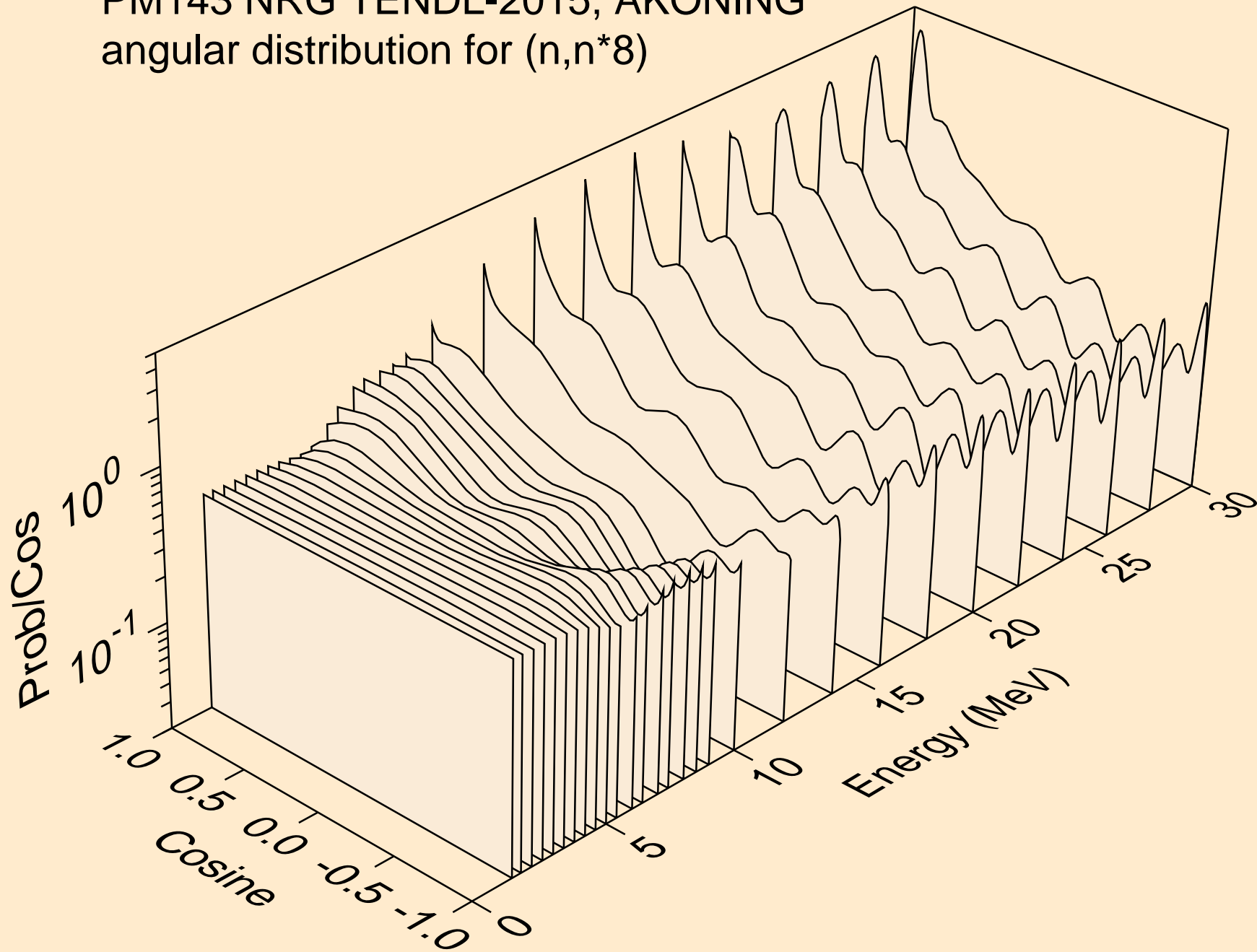
PM143 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)



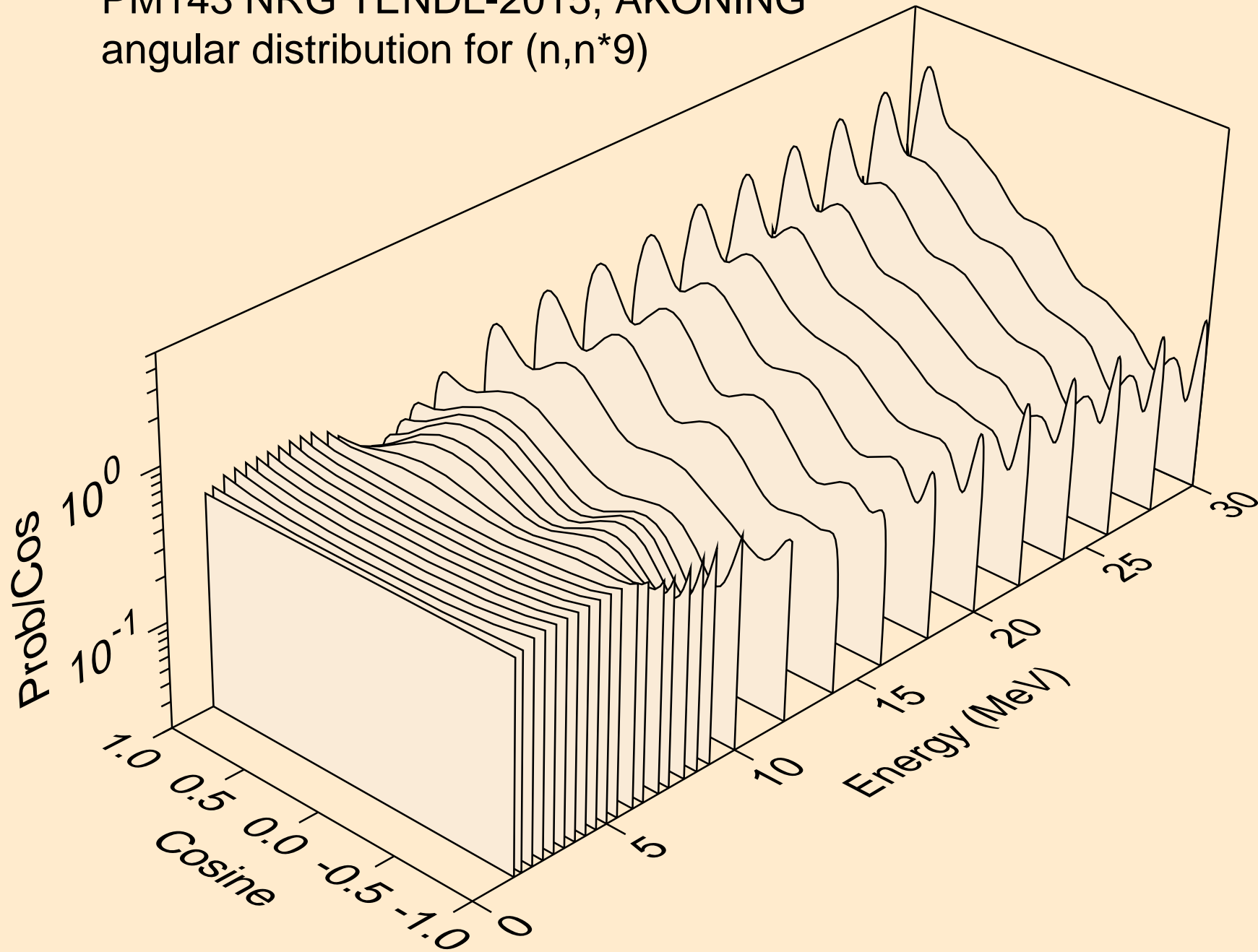
PM143 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



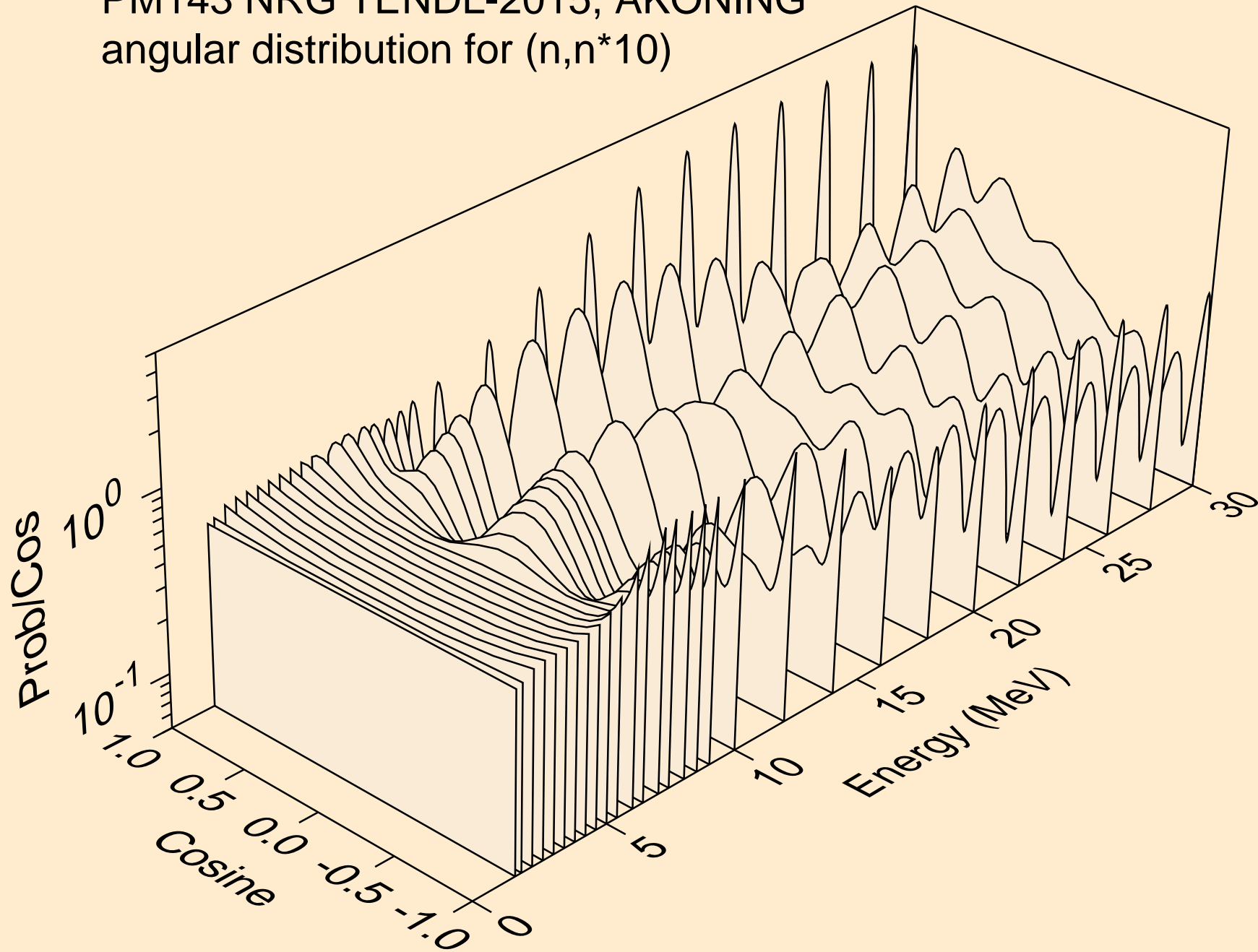
PM143 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)



PM143 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)

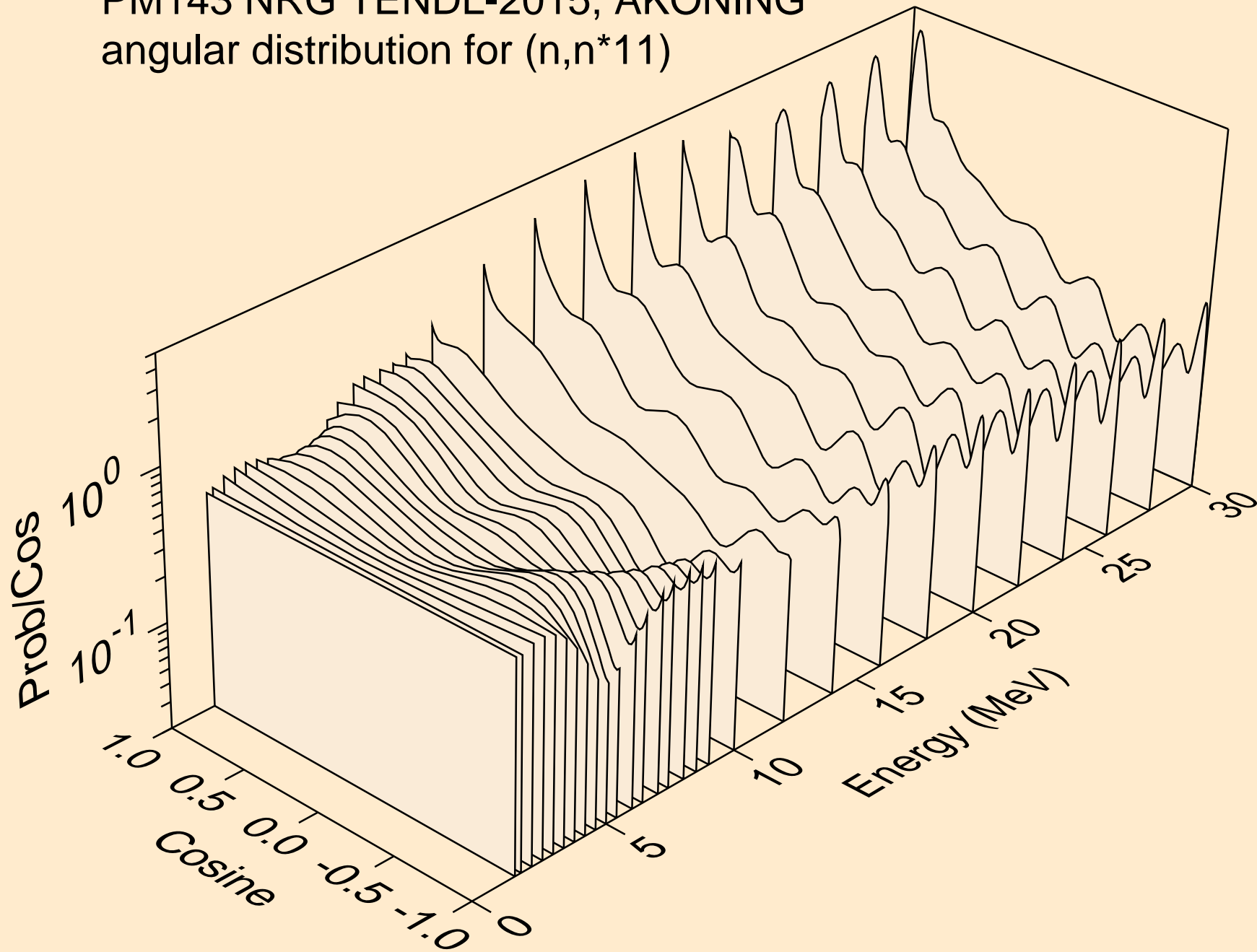


PM143 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)

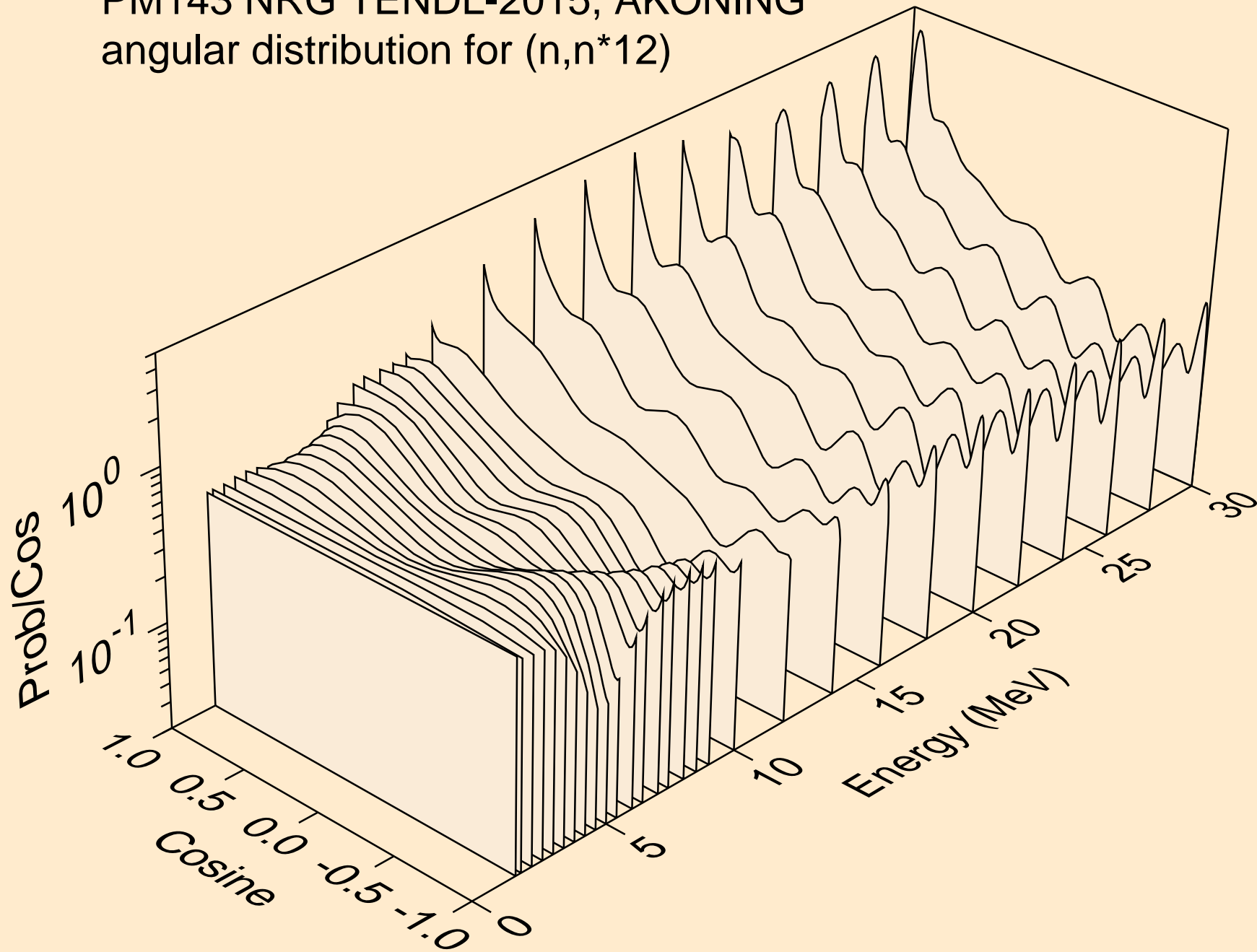




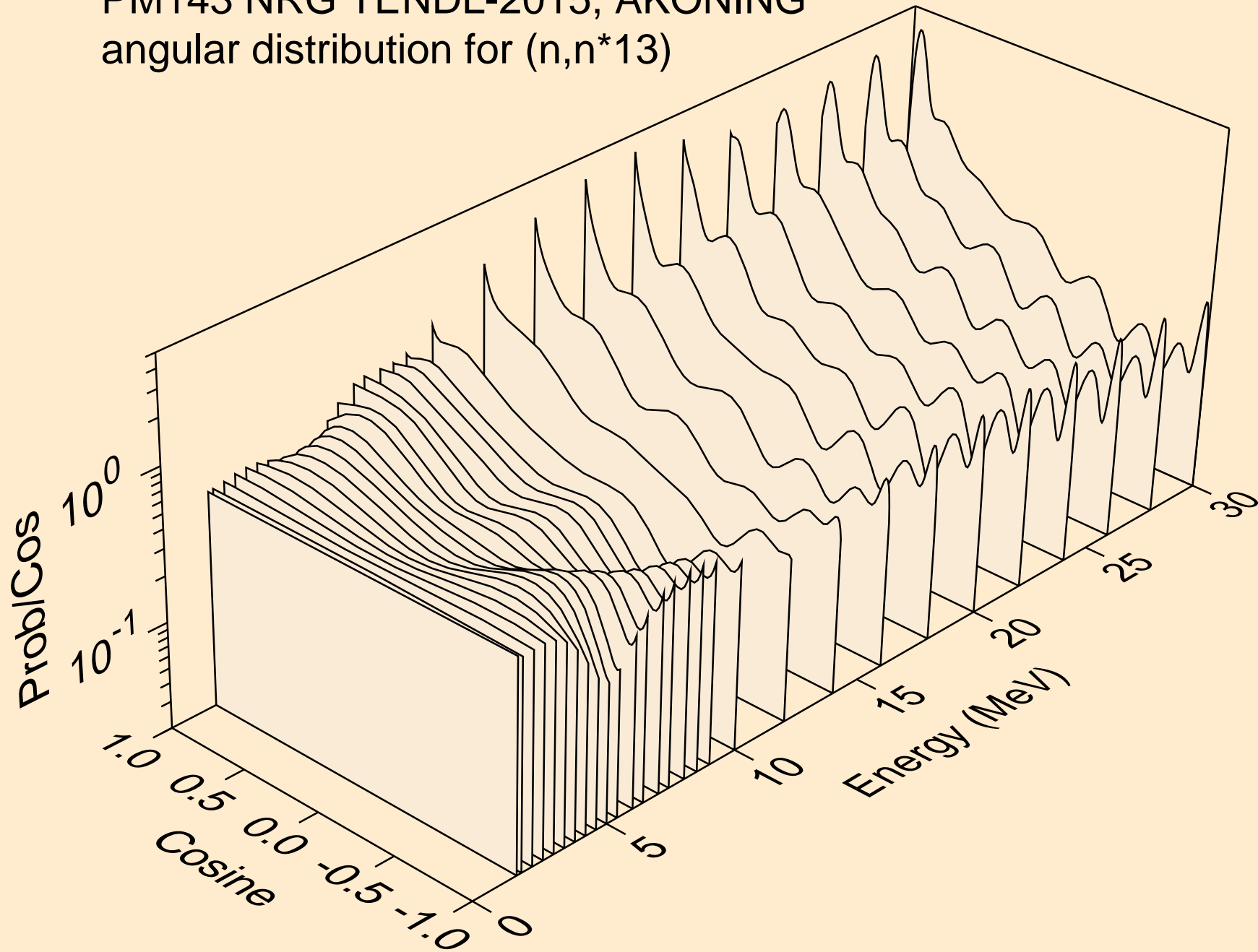
PM143 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



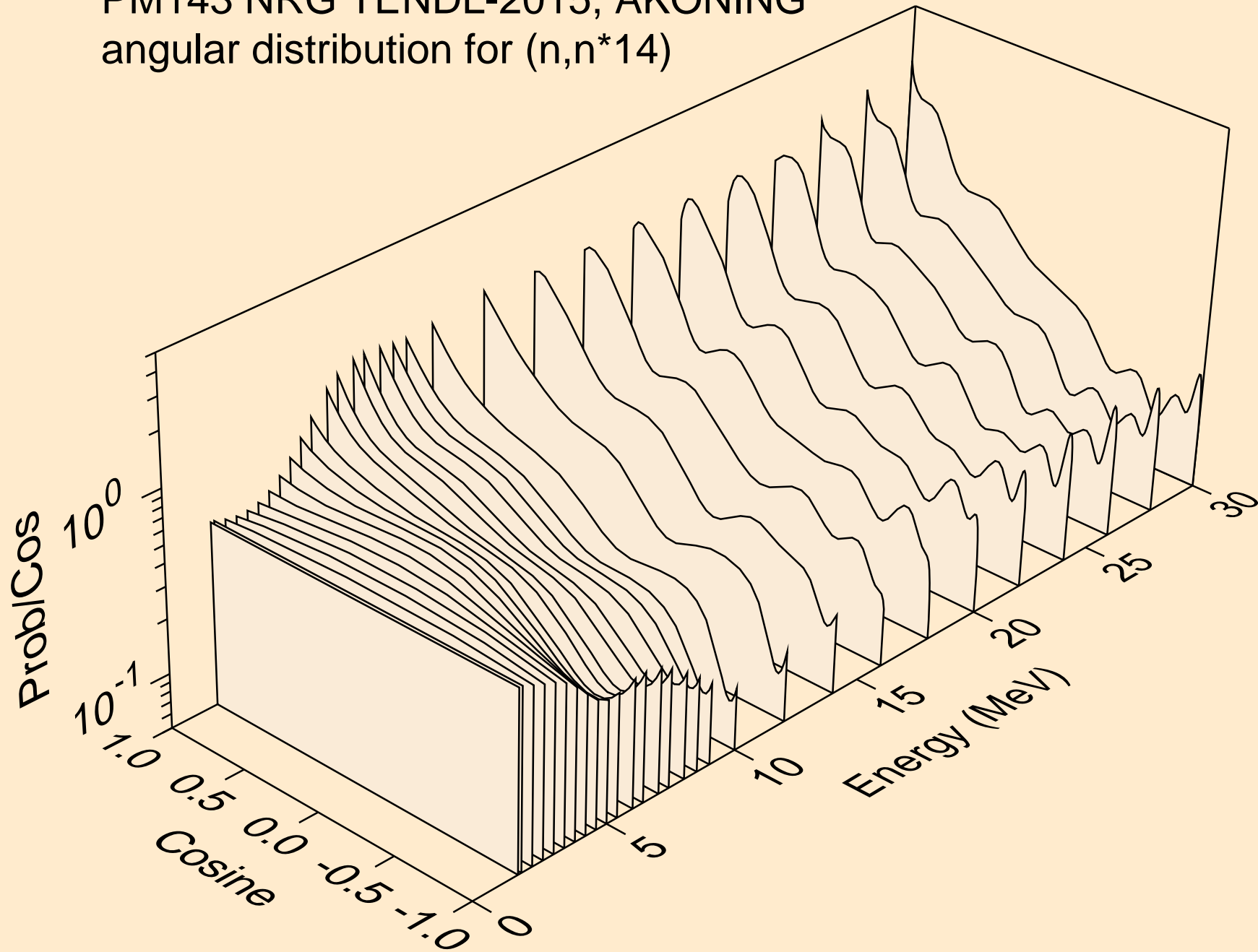
PM143 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



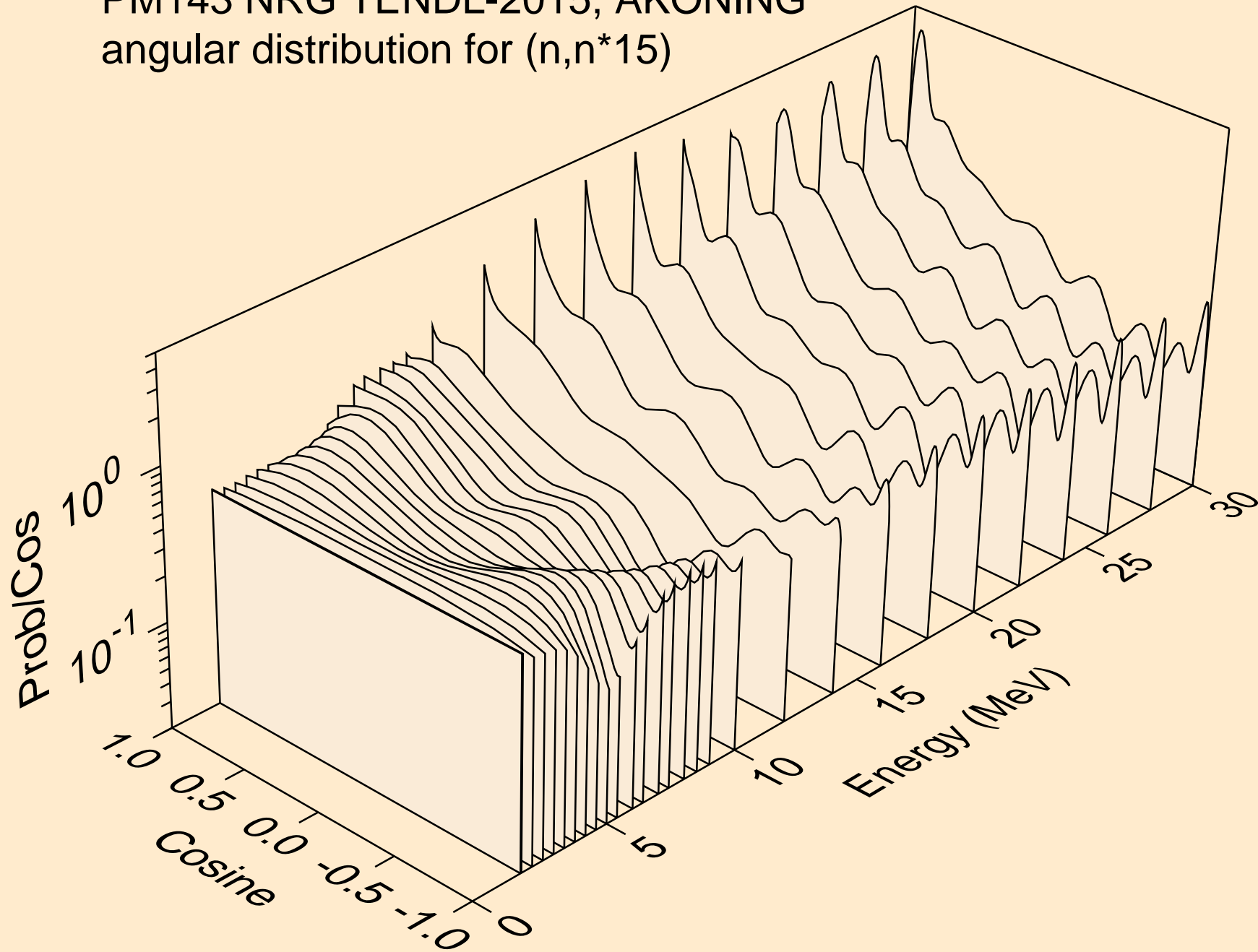
PM143 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)



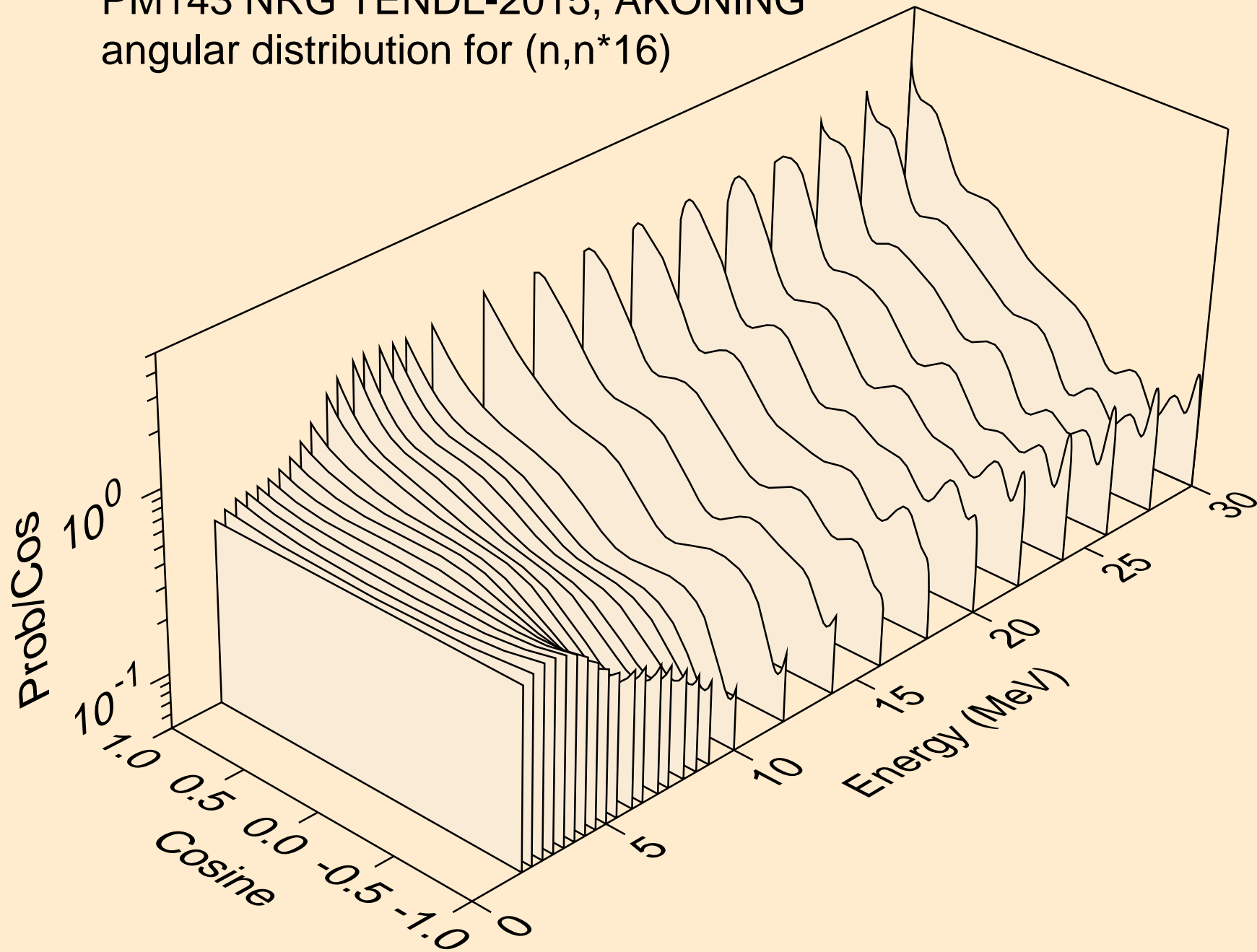
PM143 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)



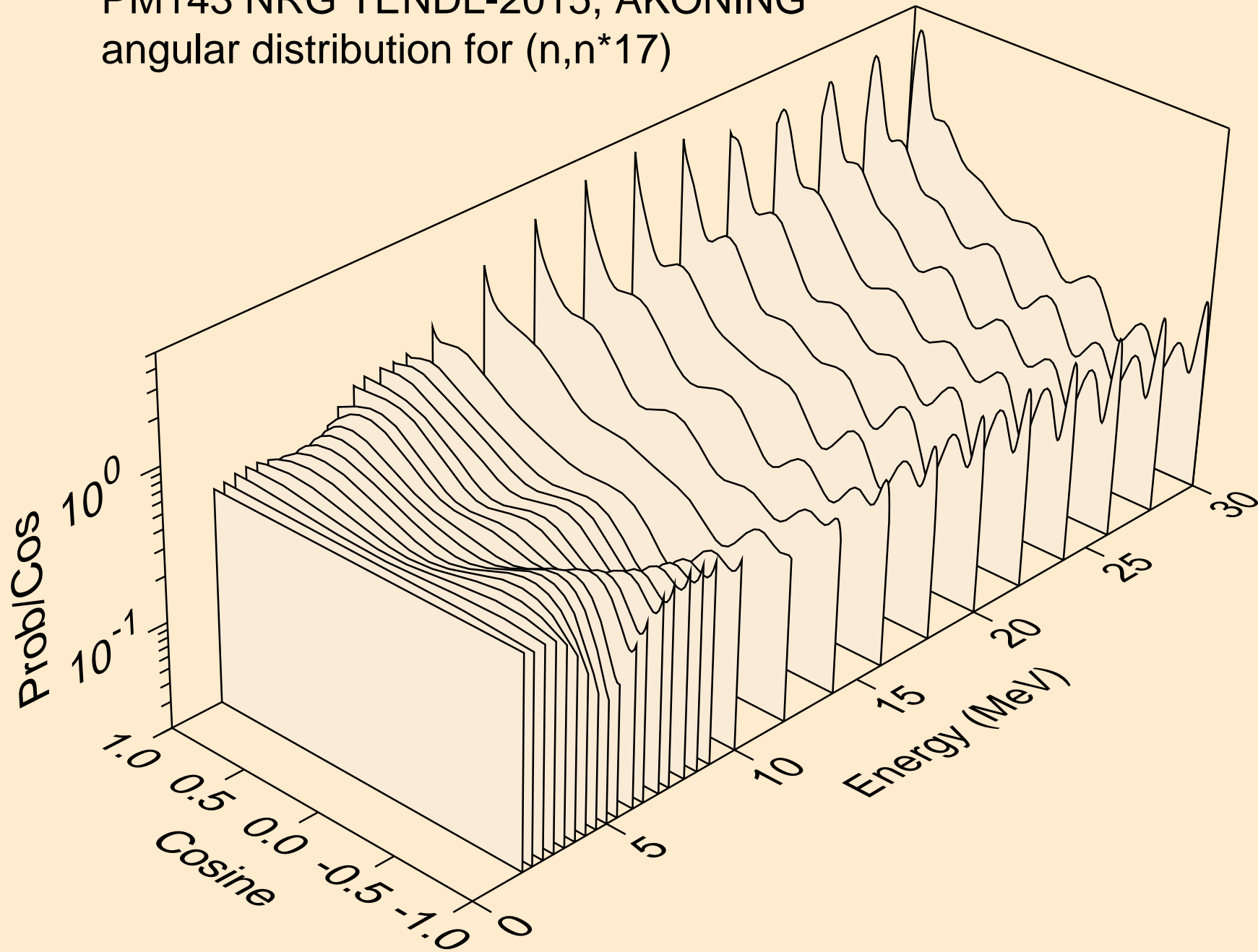
PM143 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



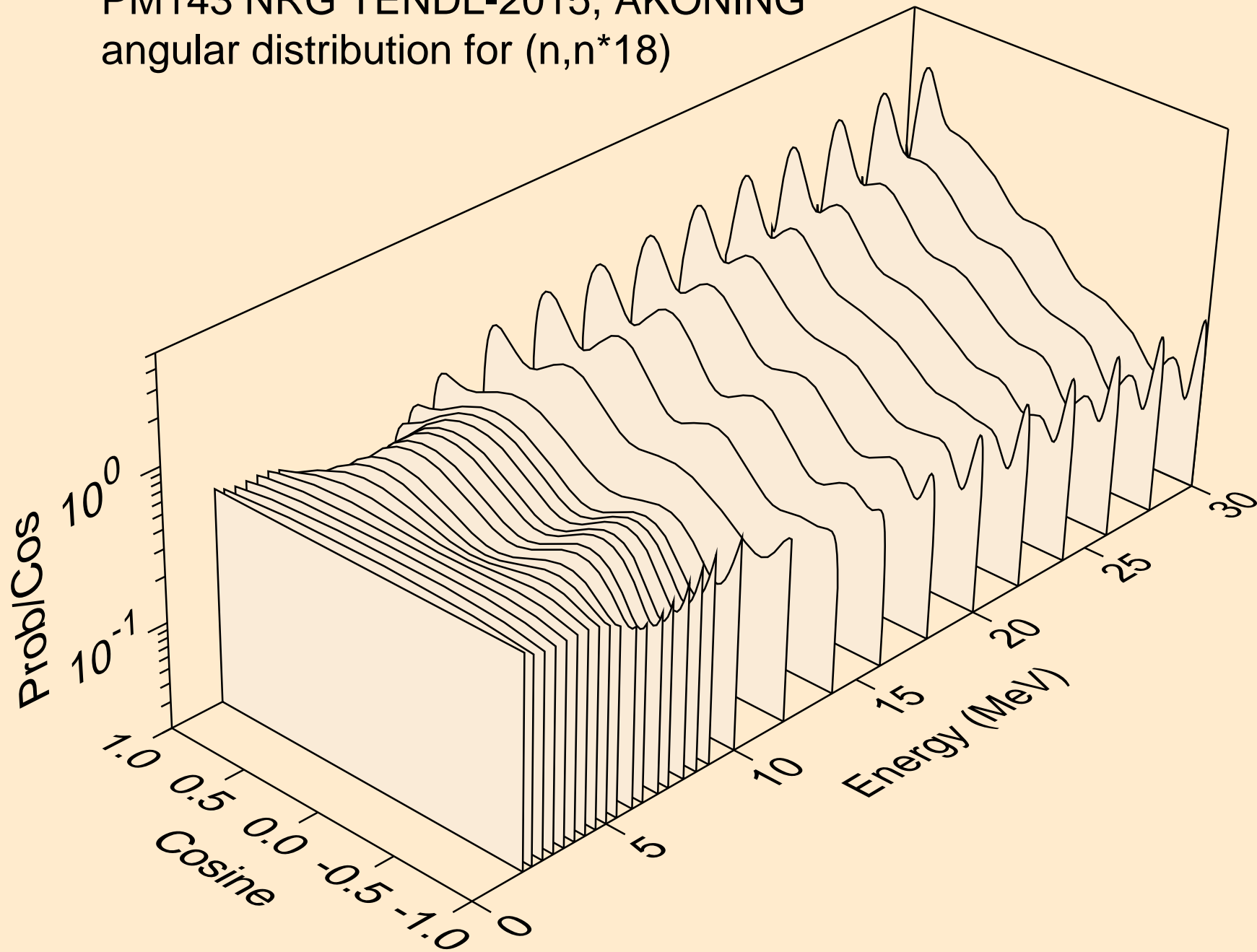
PM143 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)



PM143 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)

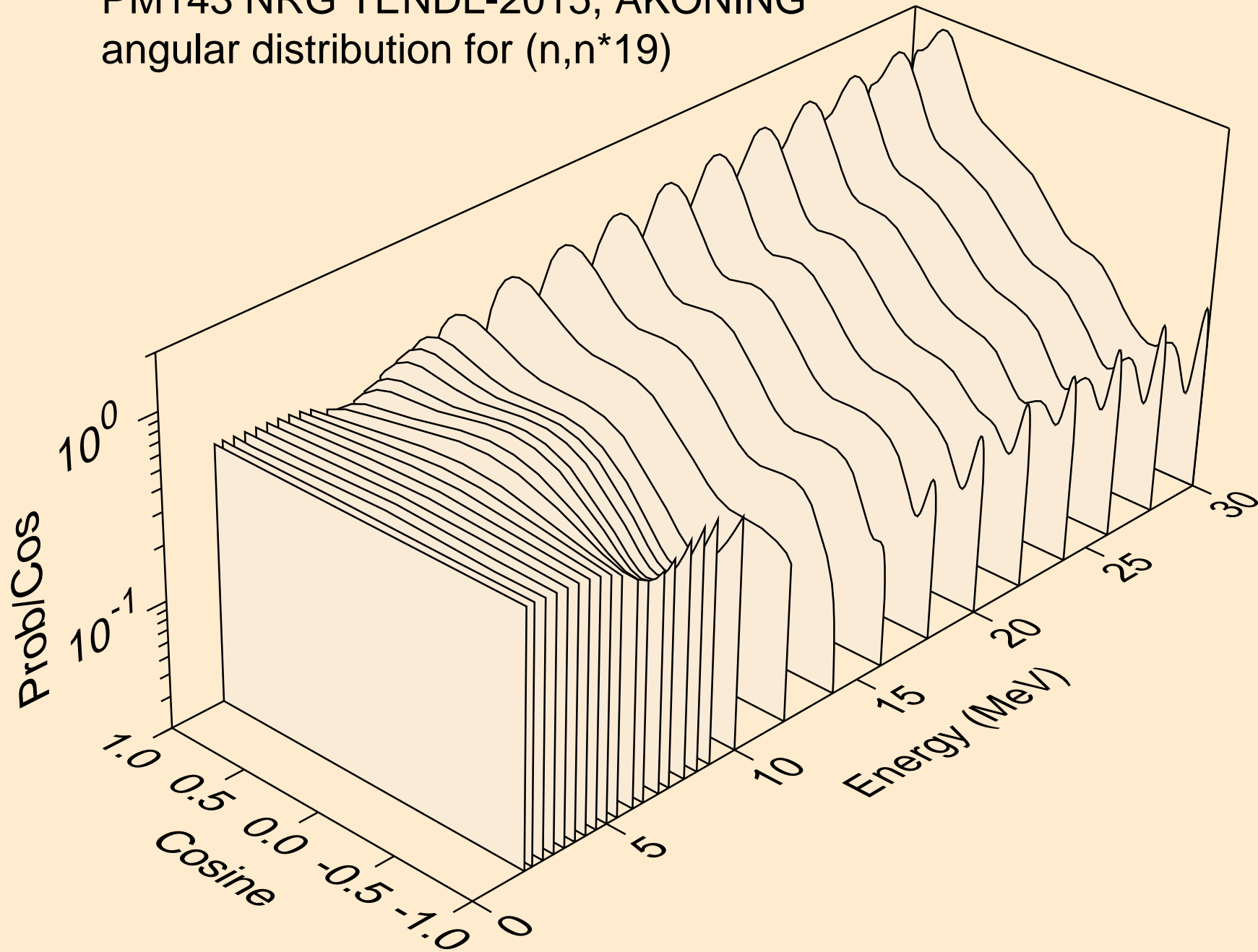


PM143 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)

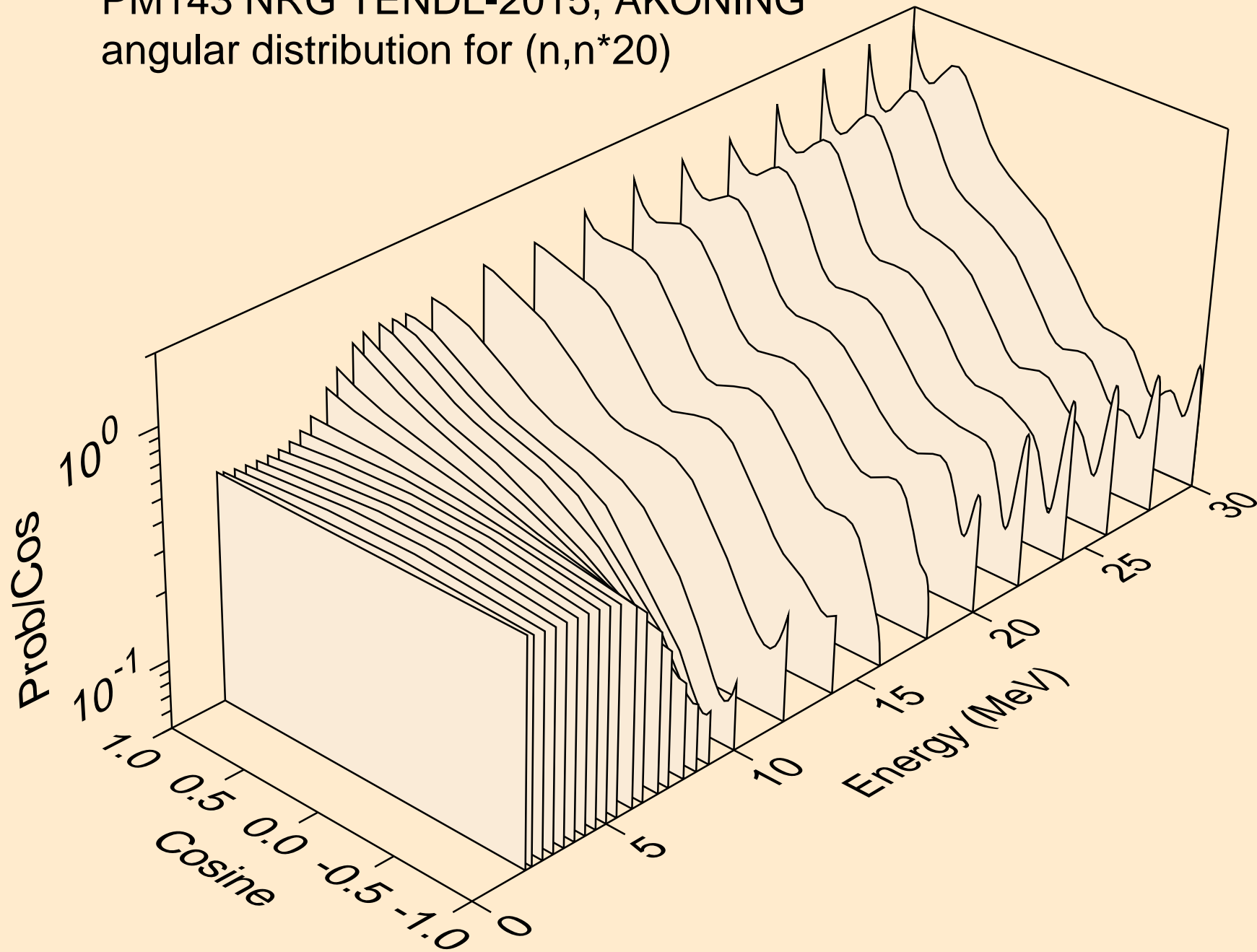




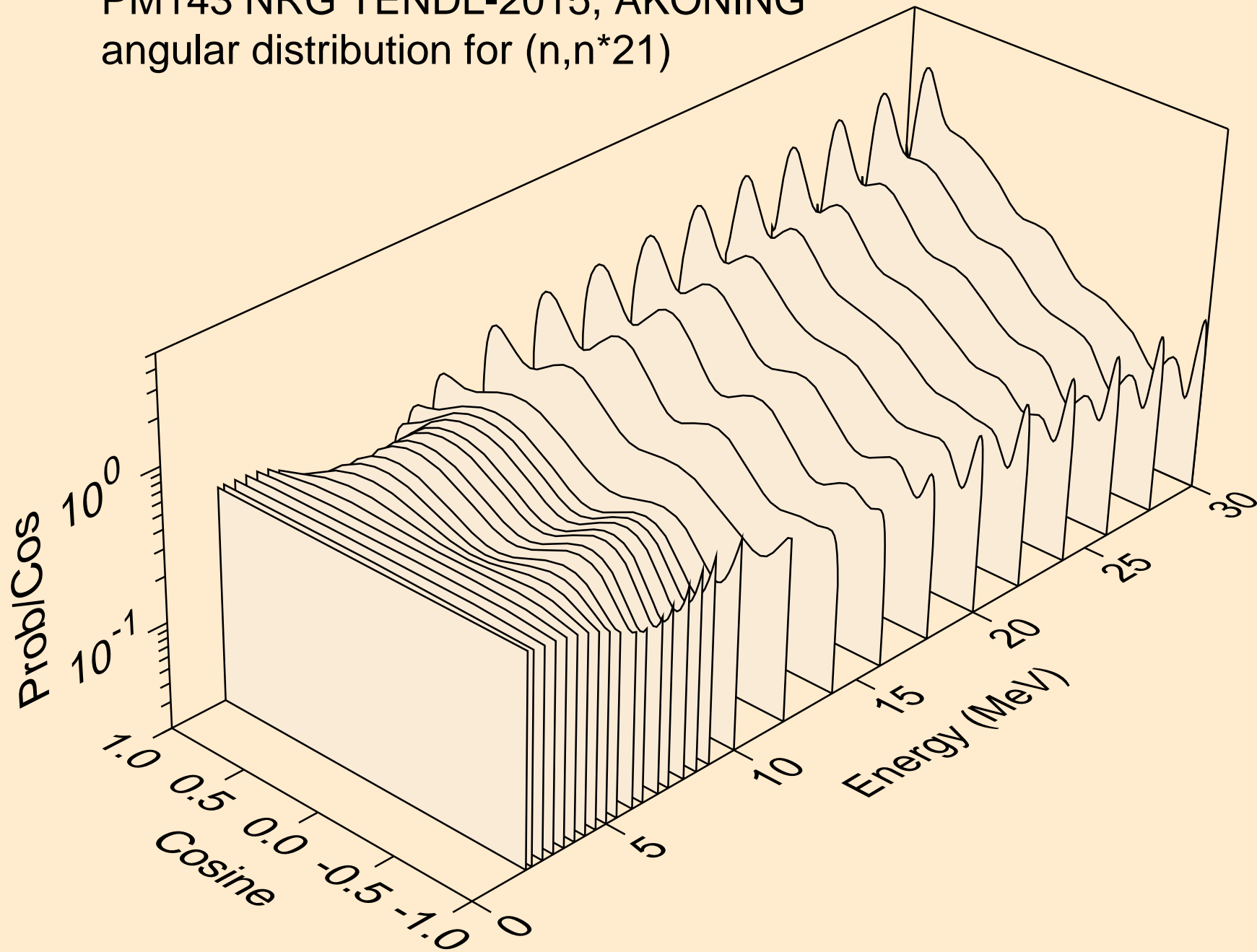
PM143 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



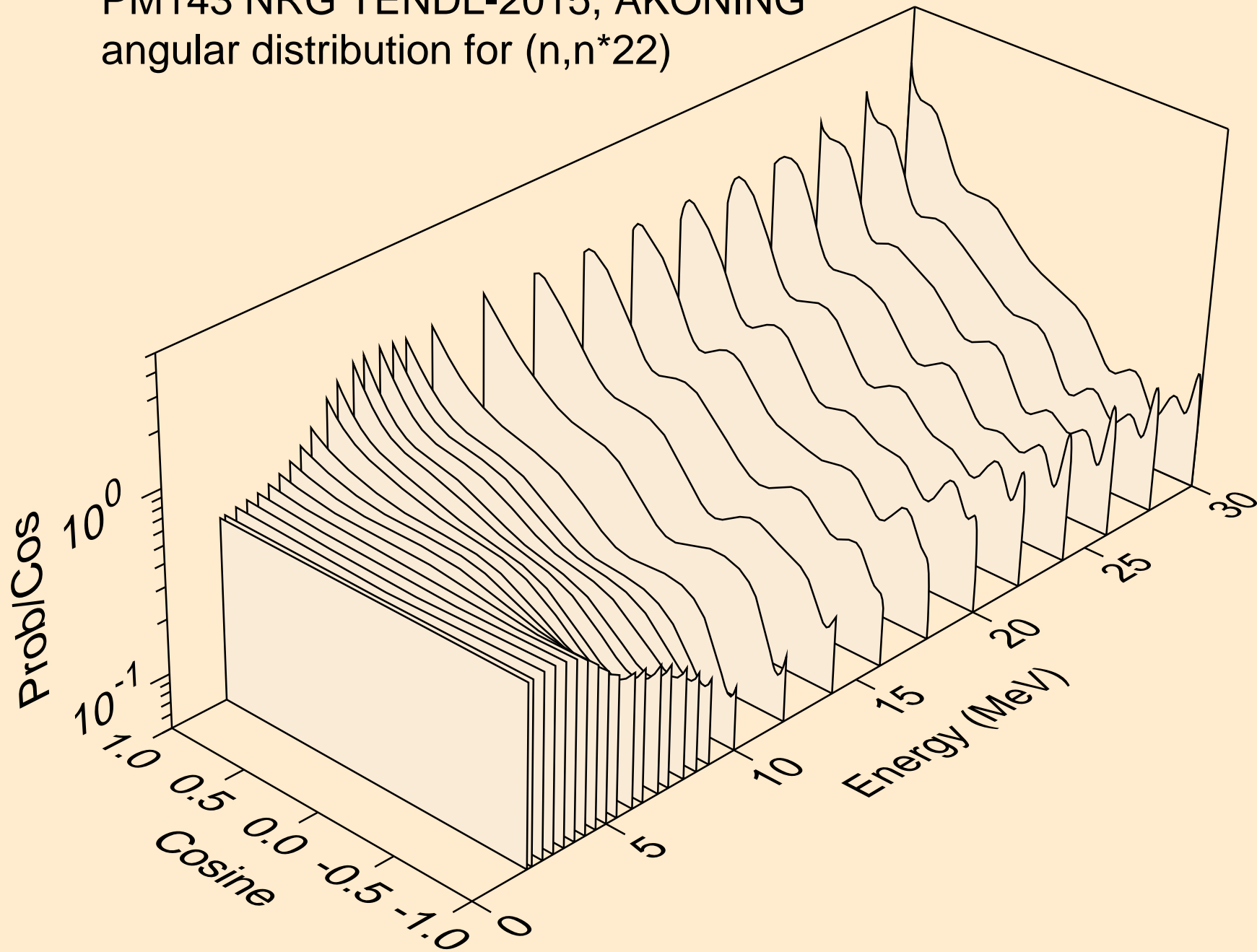
PM143 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



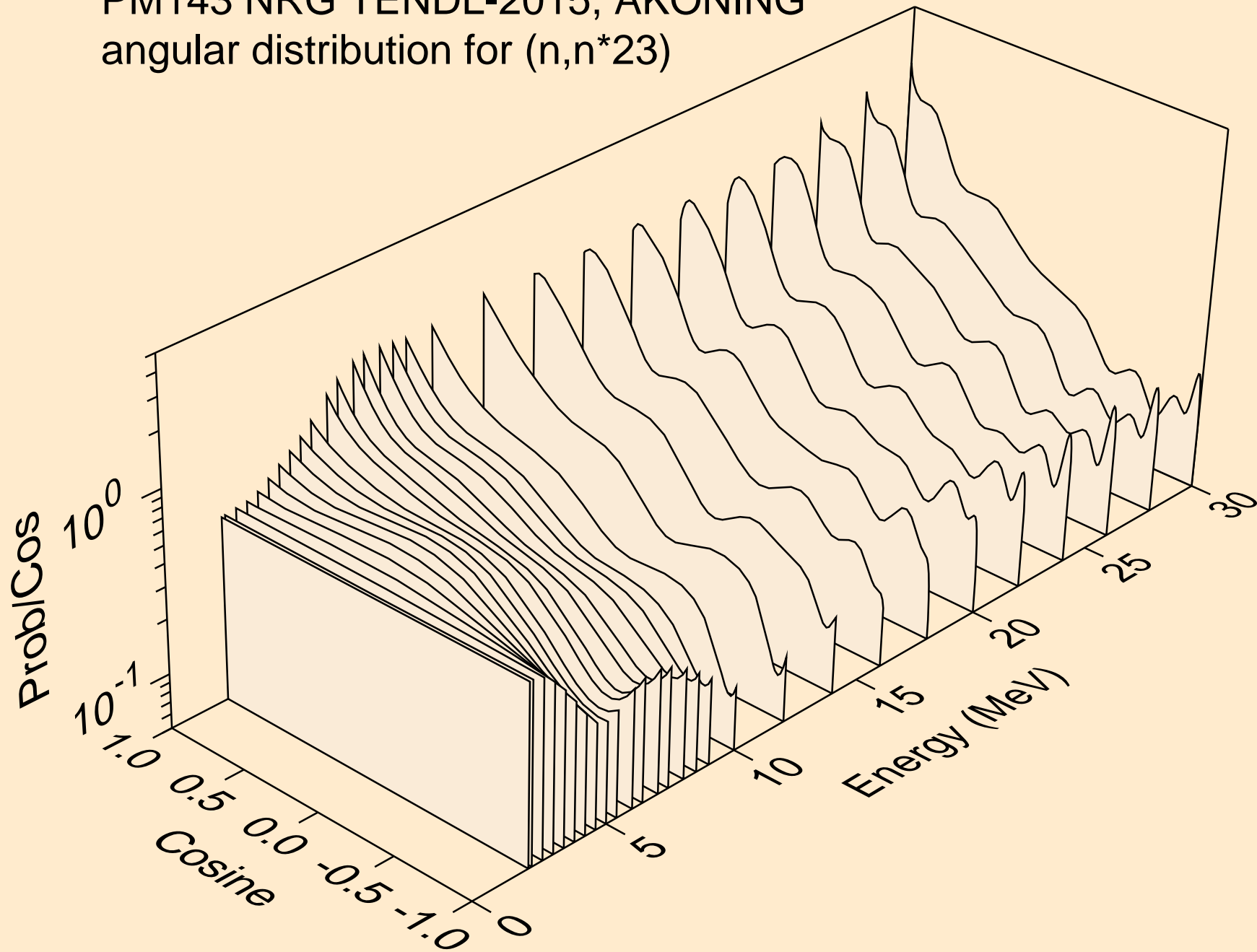
PM143 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)



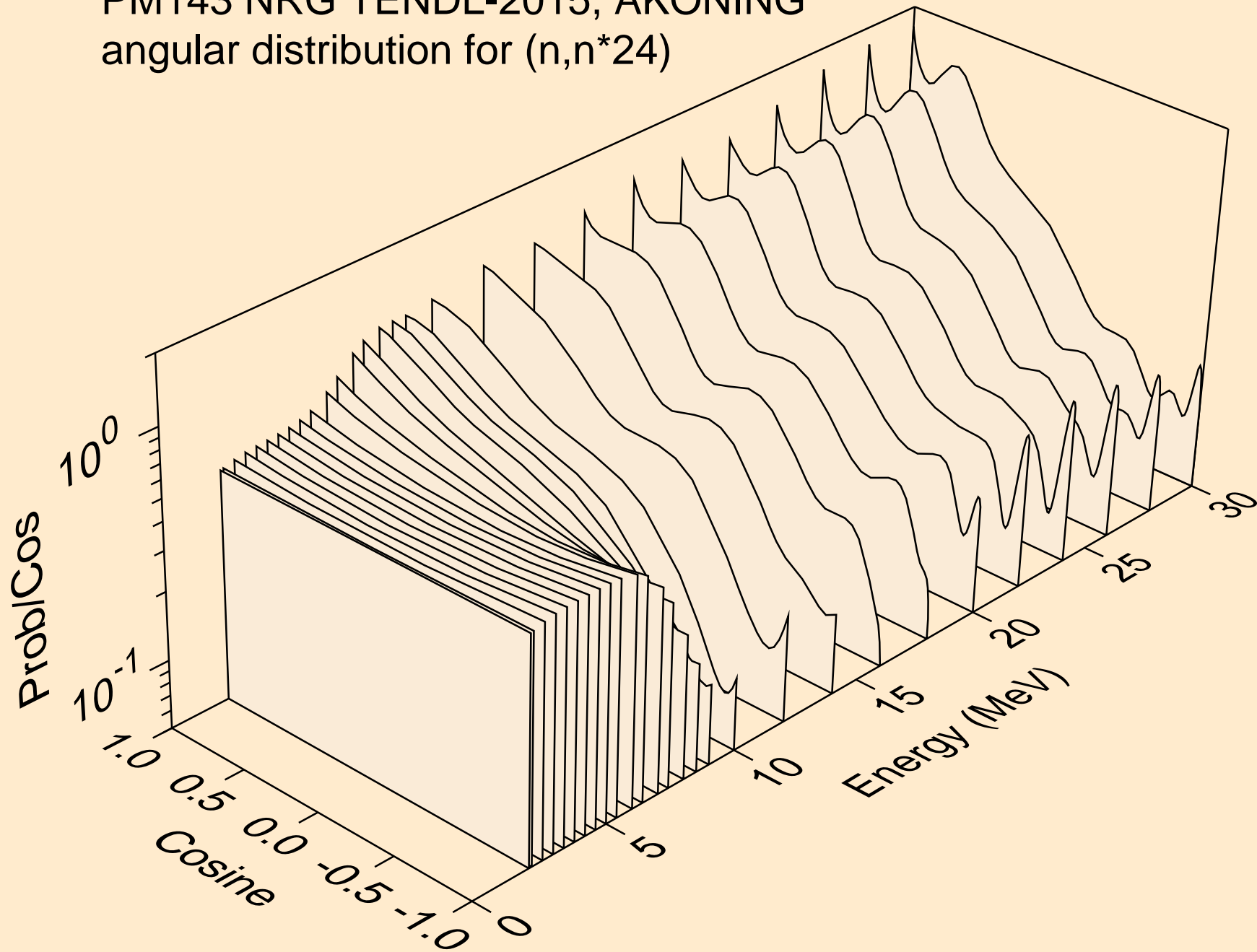
PM143 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)



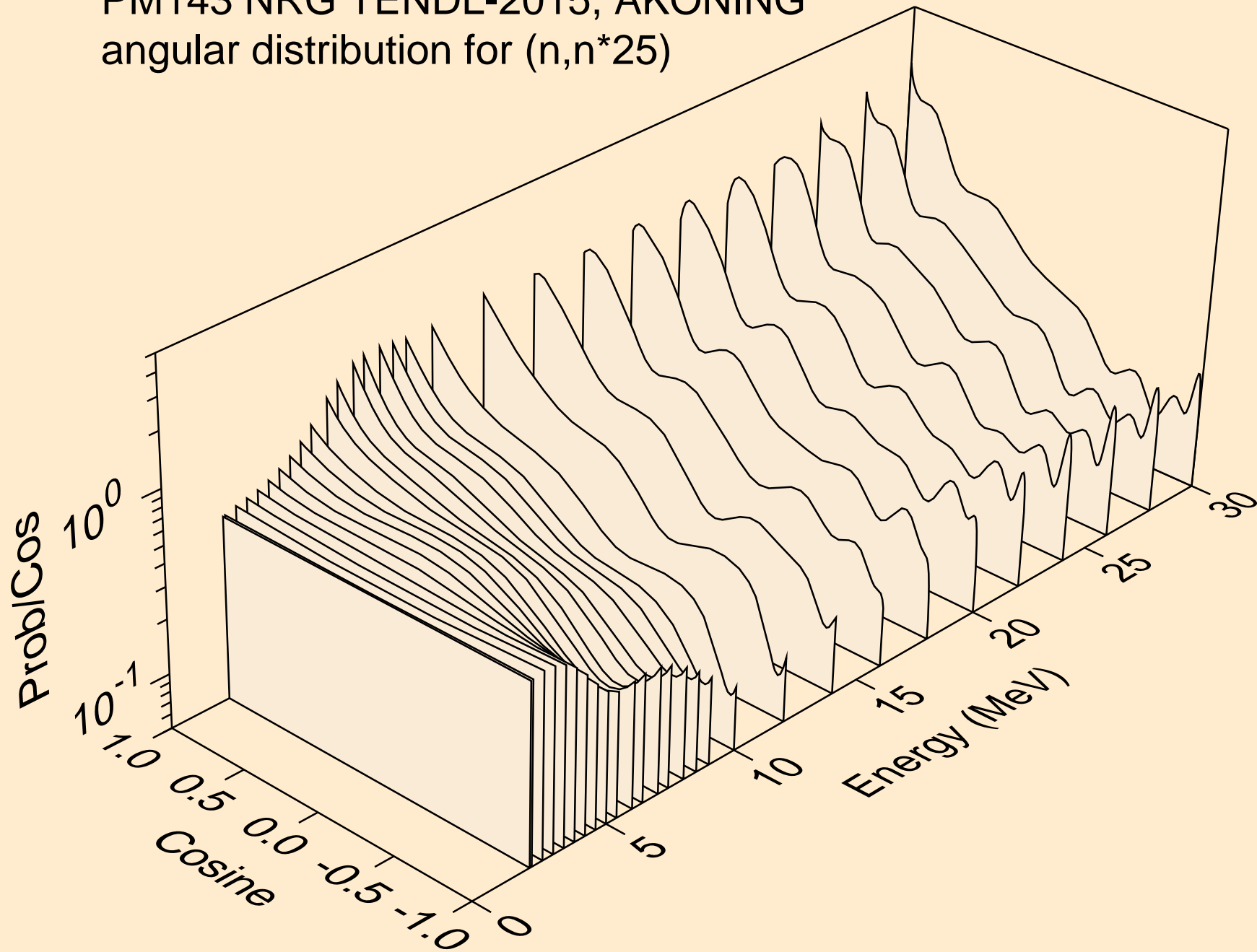
PM143 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)



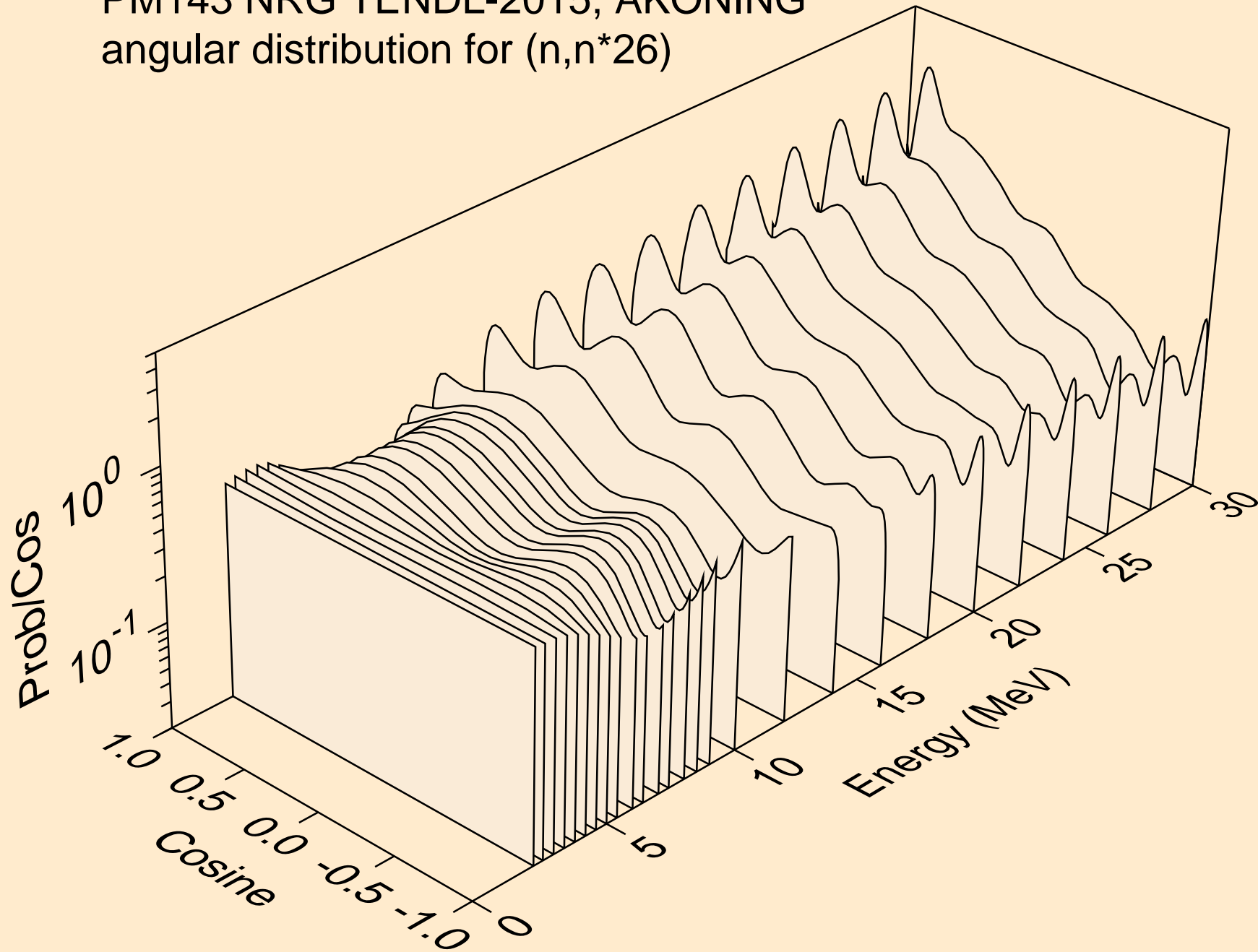
PM143 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)



PM143 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)

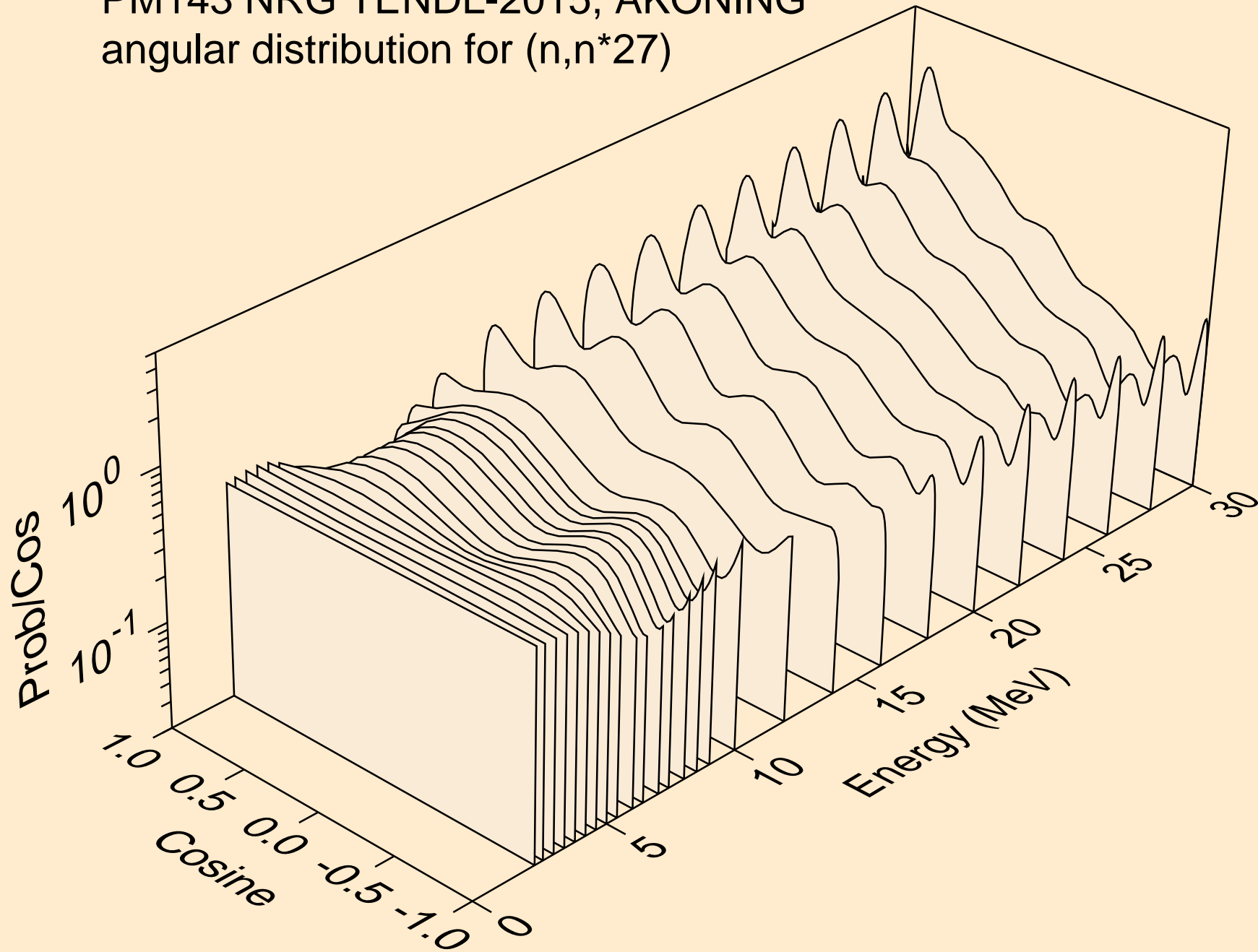


PM143 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)

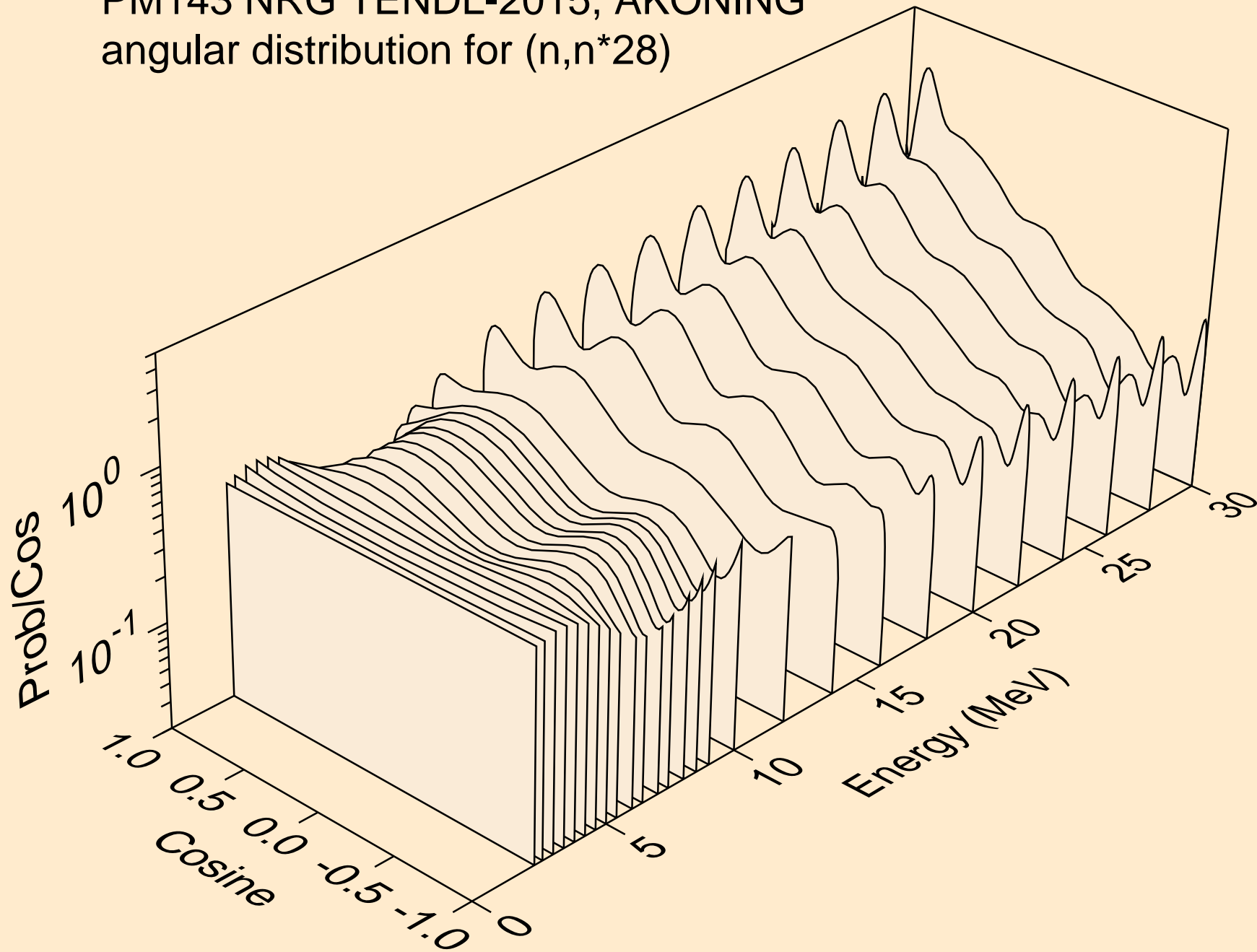




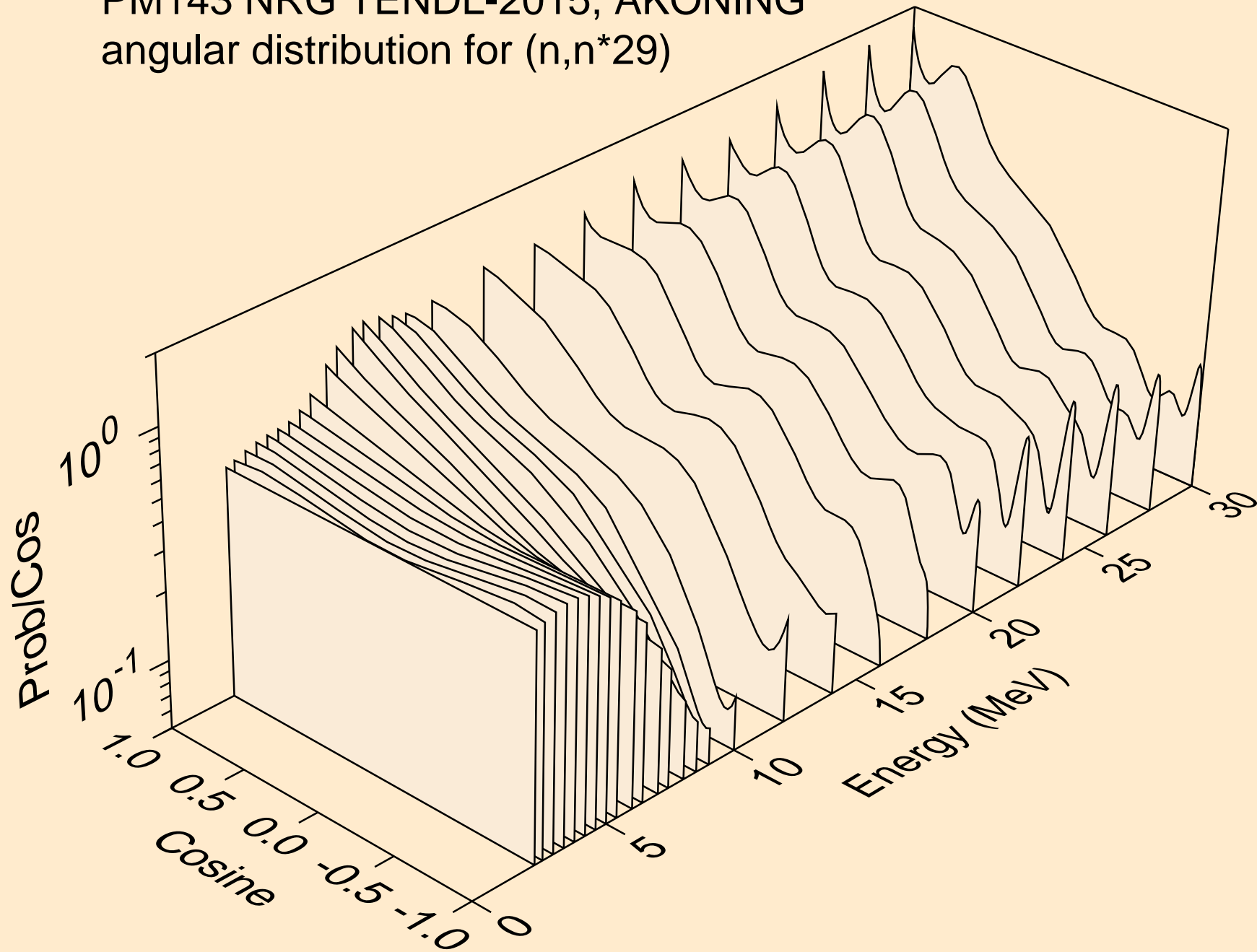
PM143 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*27)



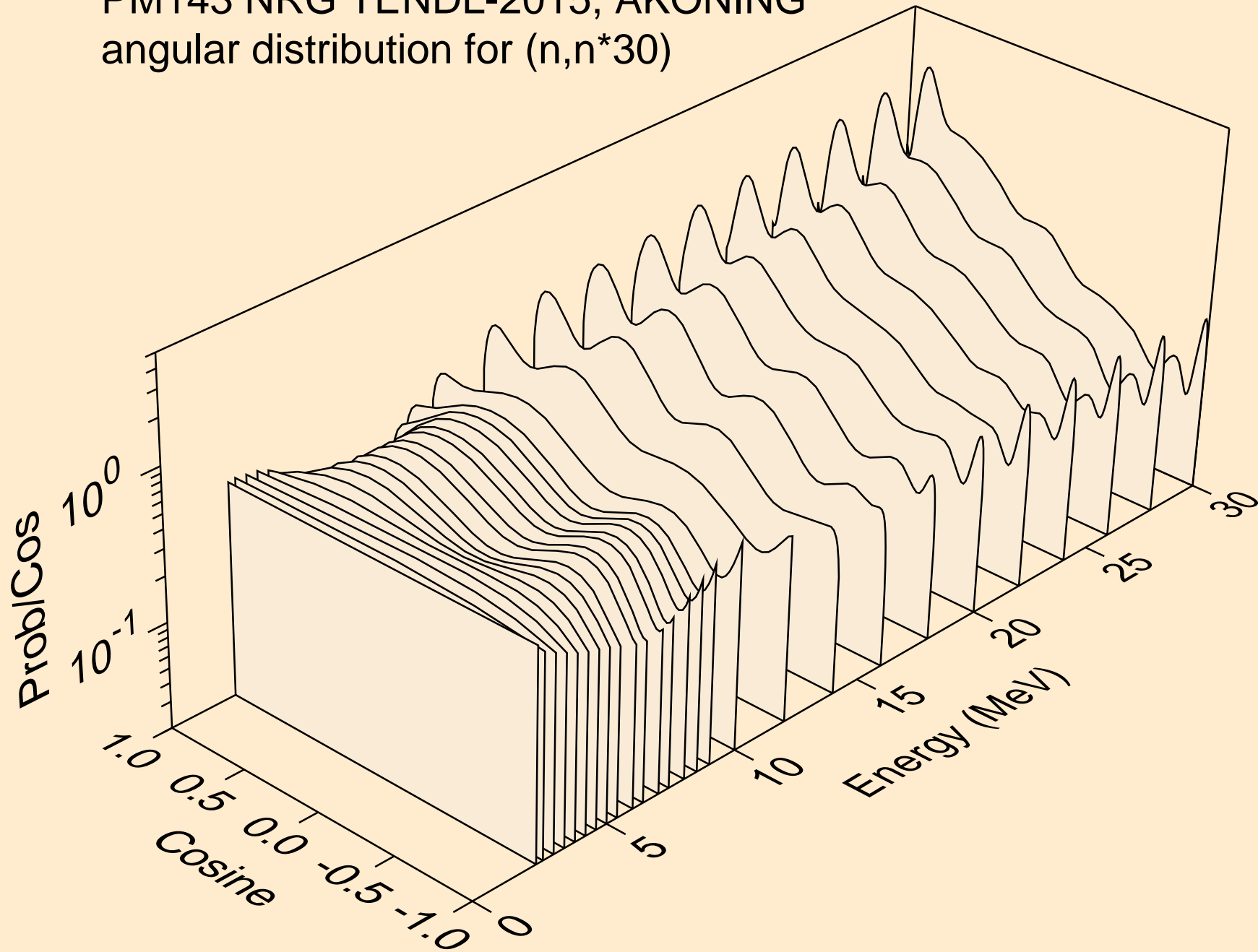
PM143 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)



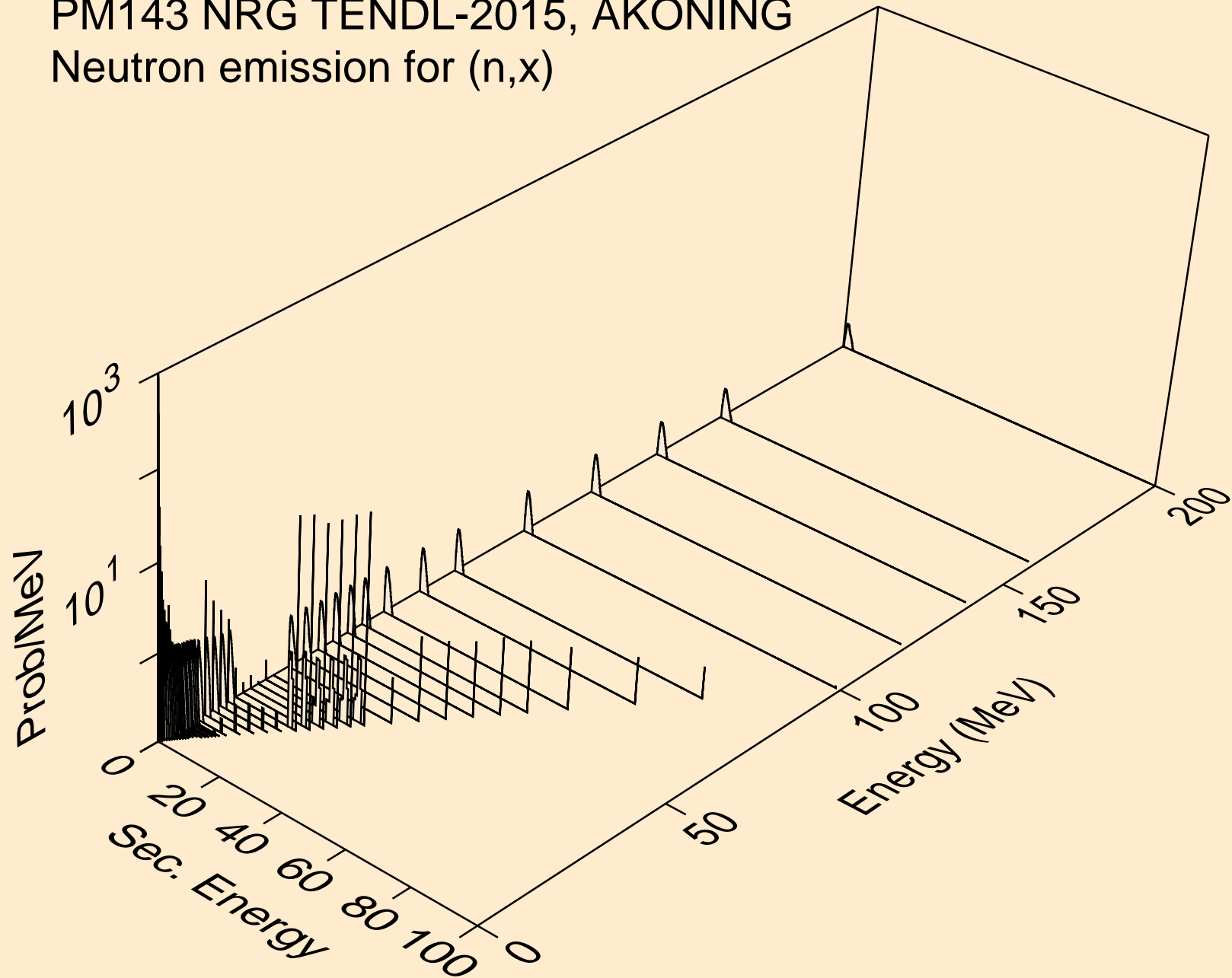
PM143 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*29)



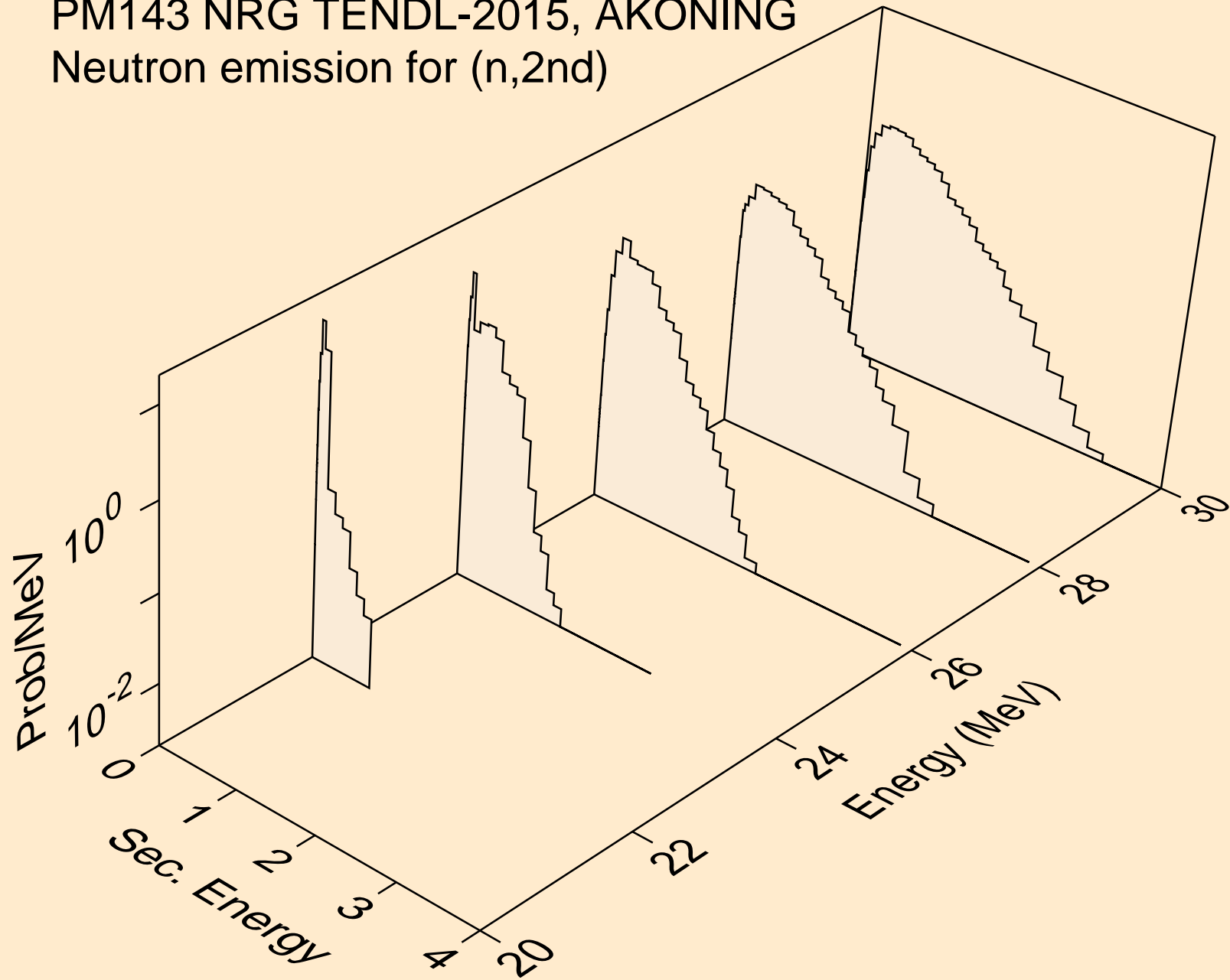
PM143 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*30)



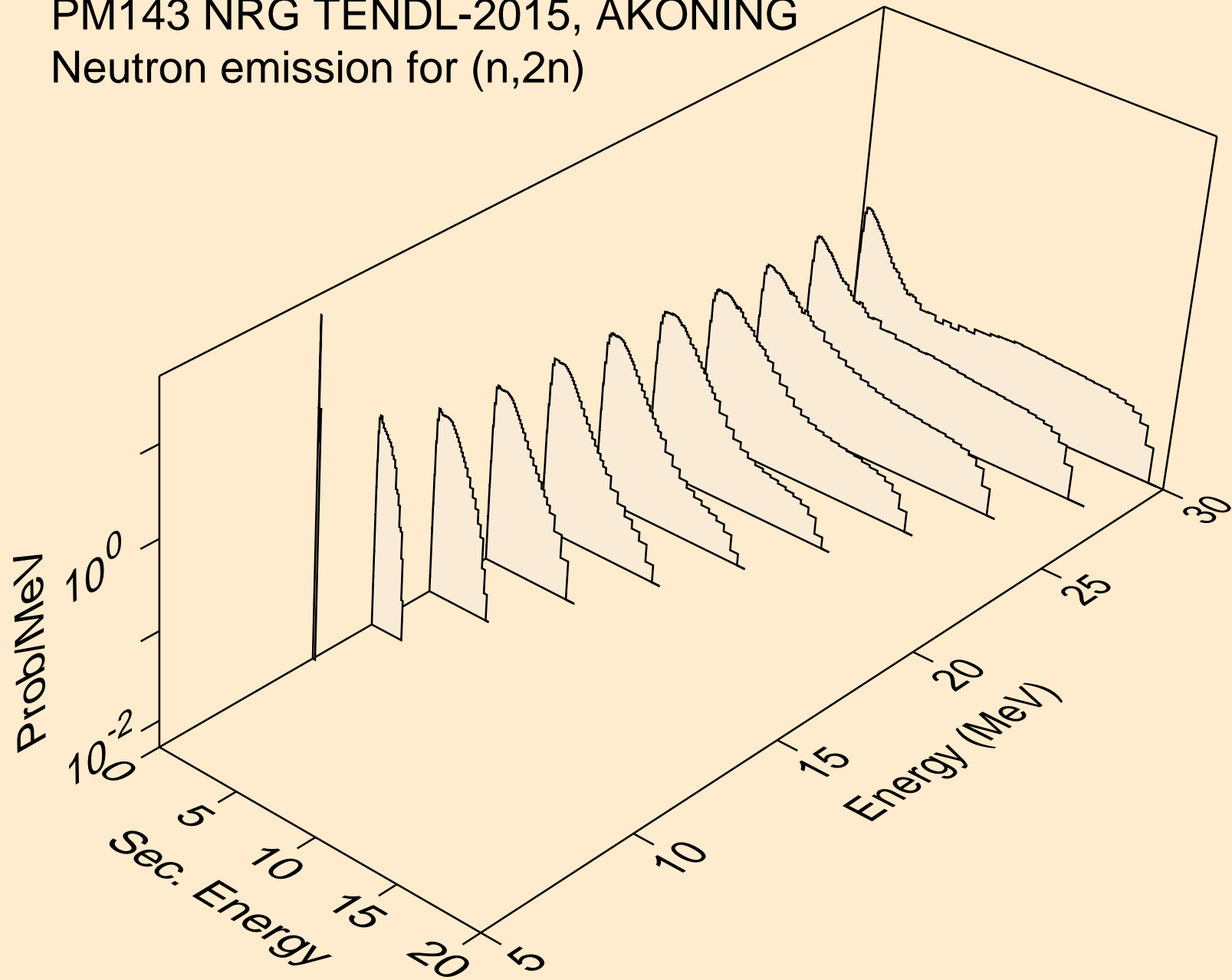
PM143 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



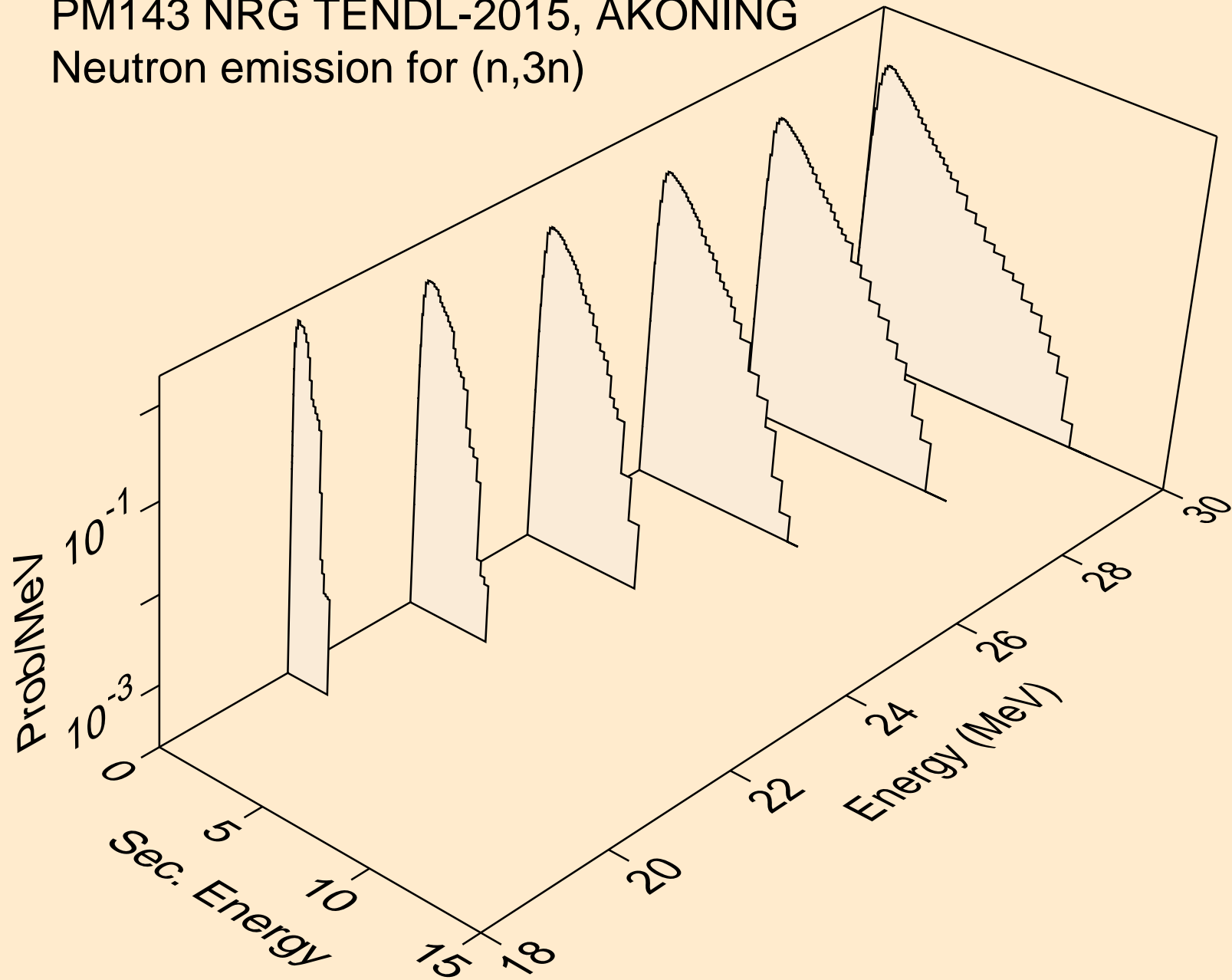
PM143 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



PM143 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)

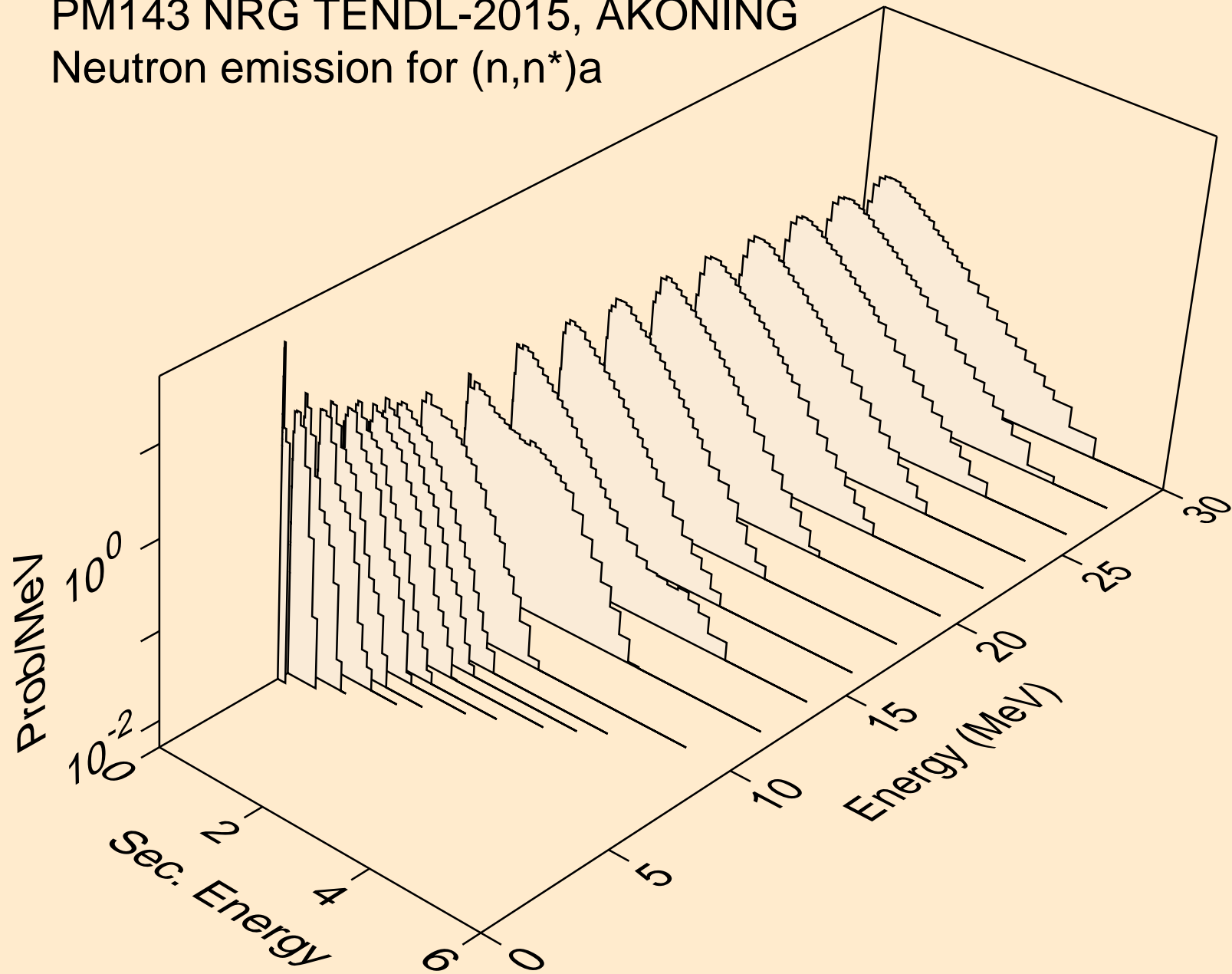


PM143 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)

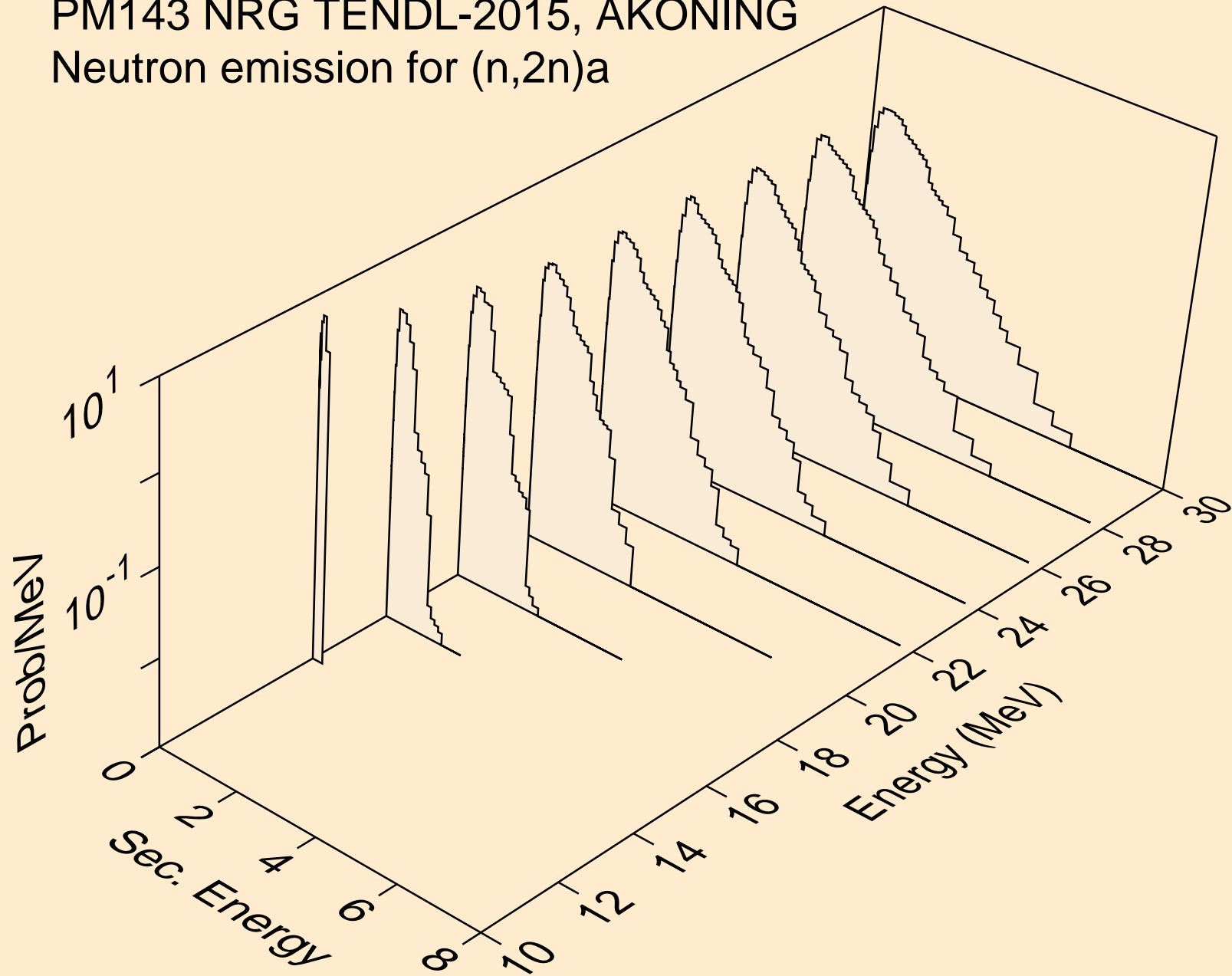




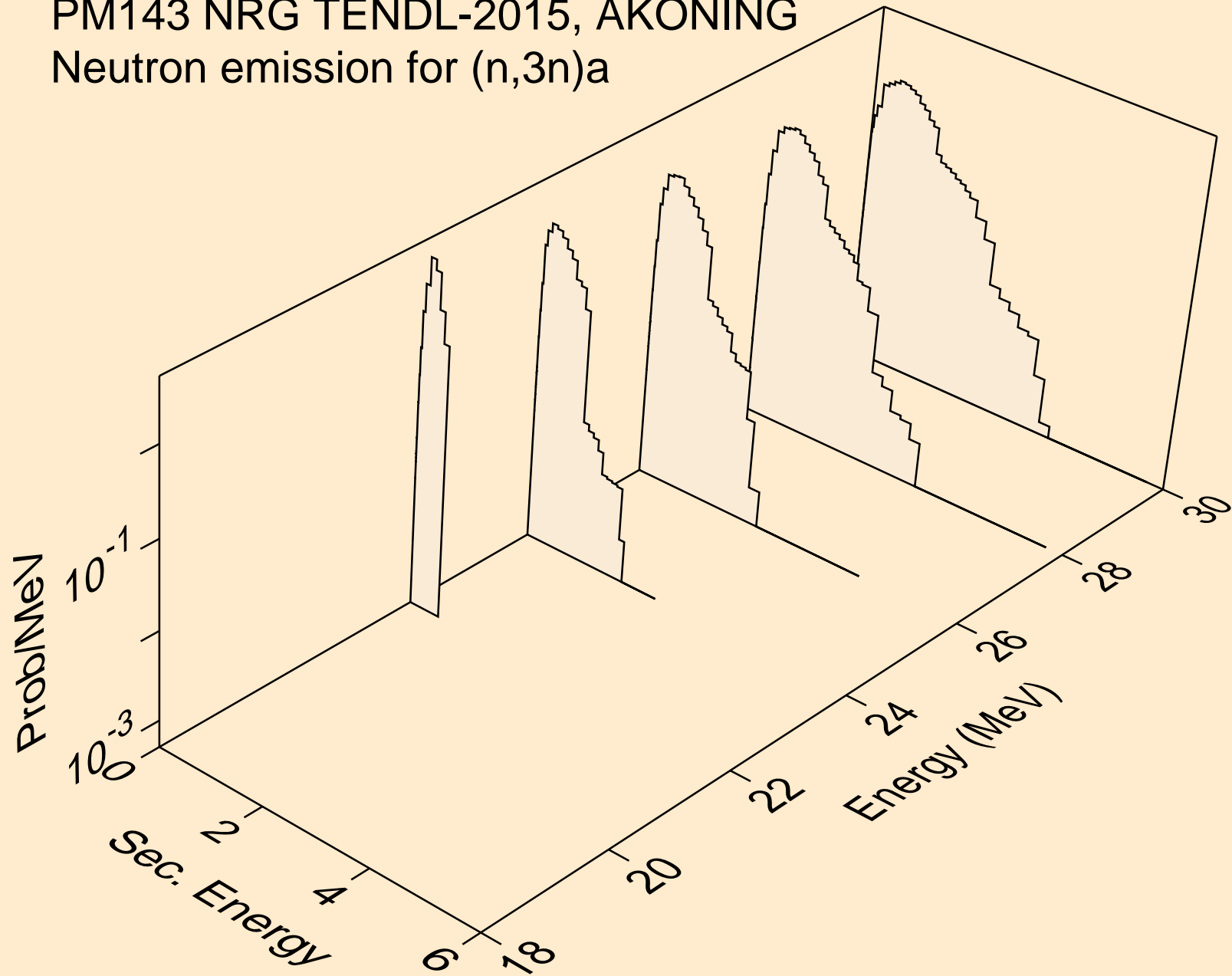
PM143 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



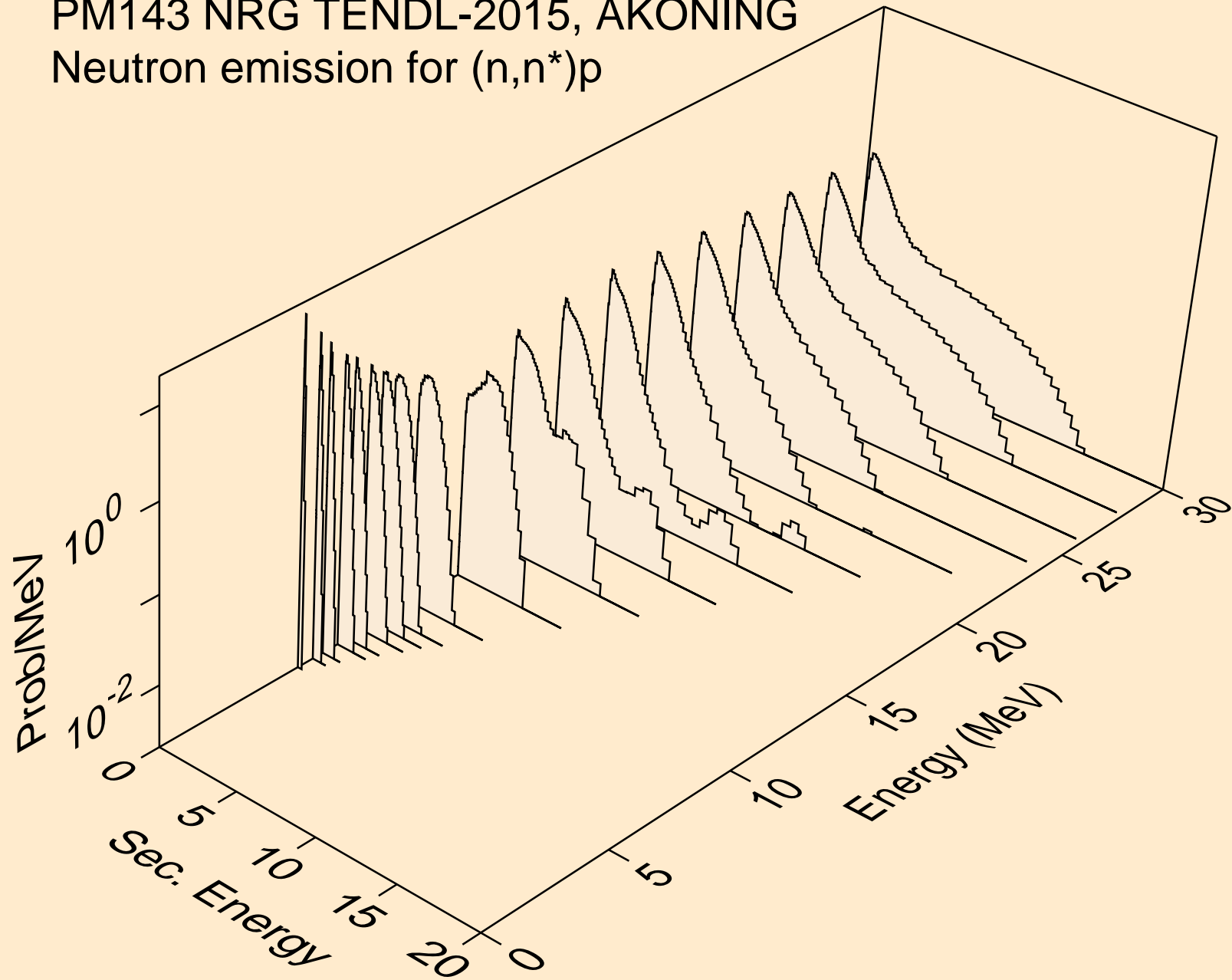
PM143 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



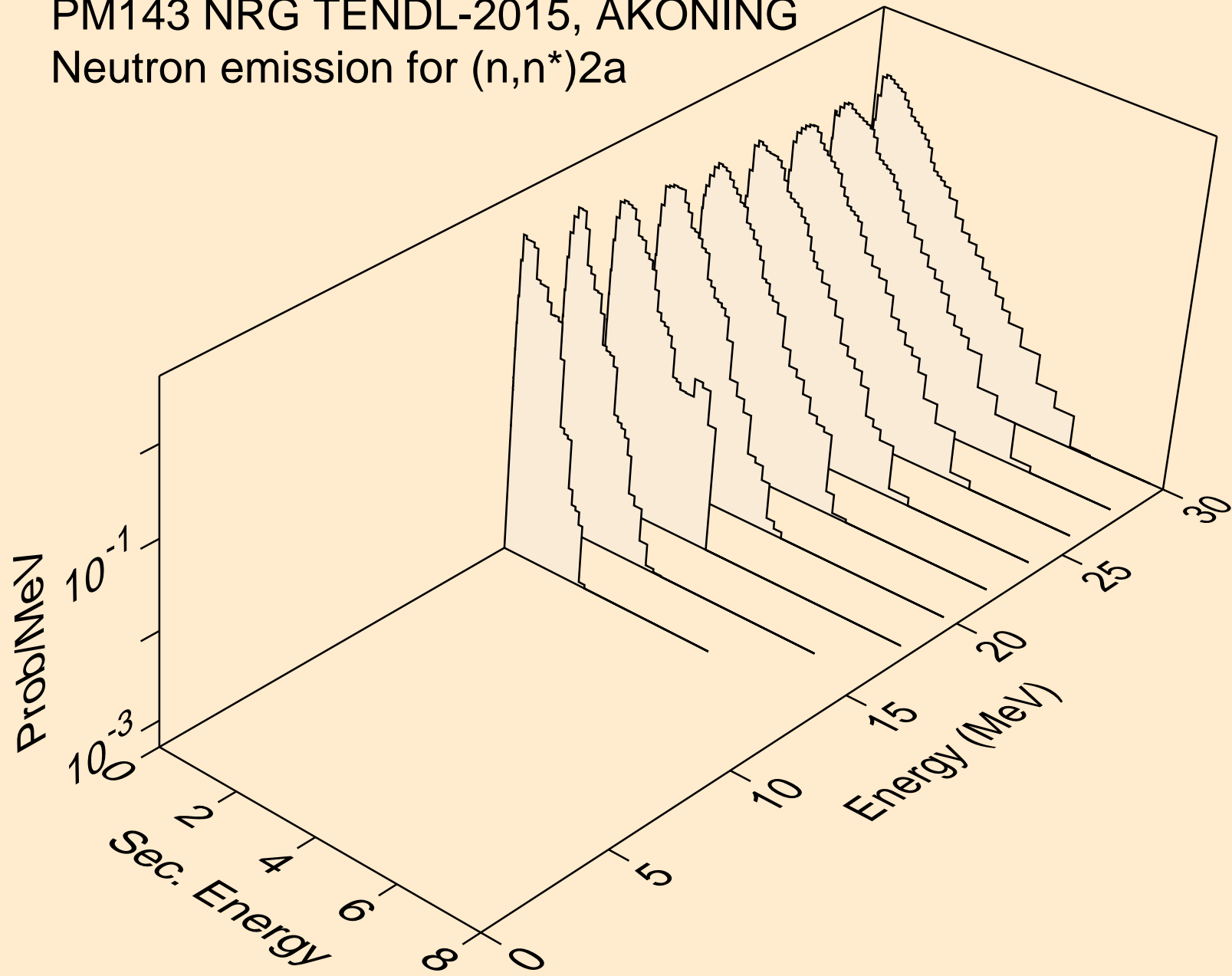
PM143 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



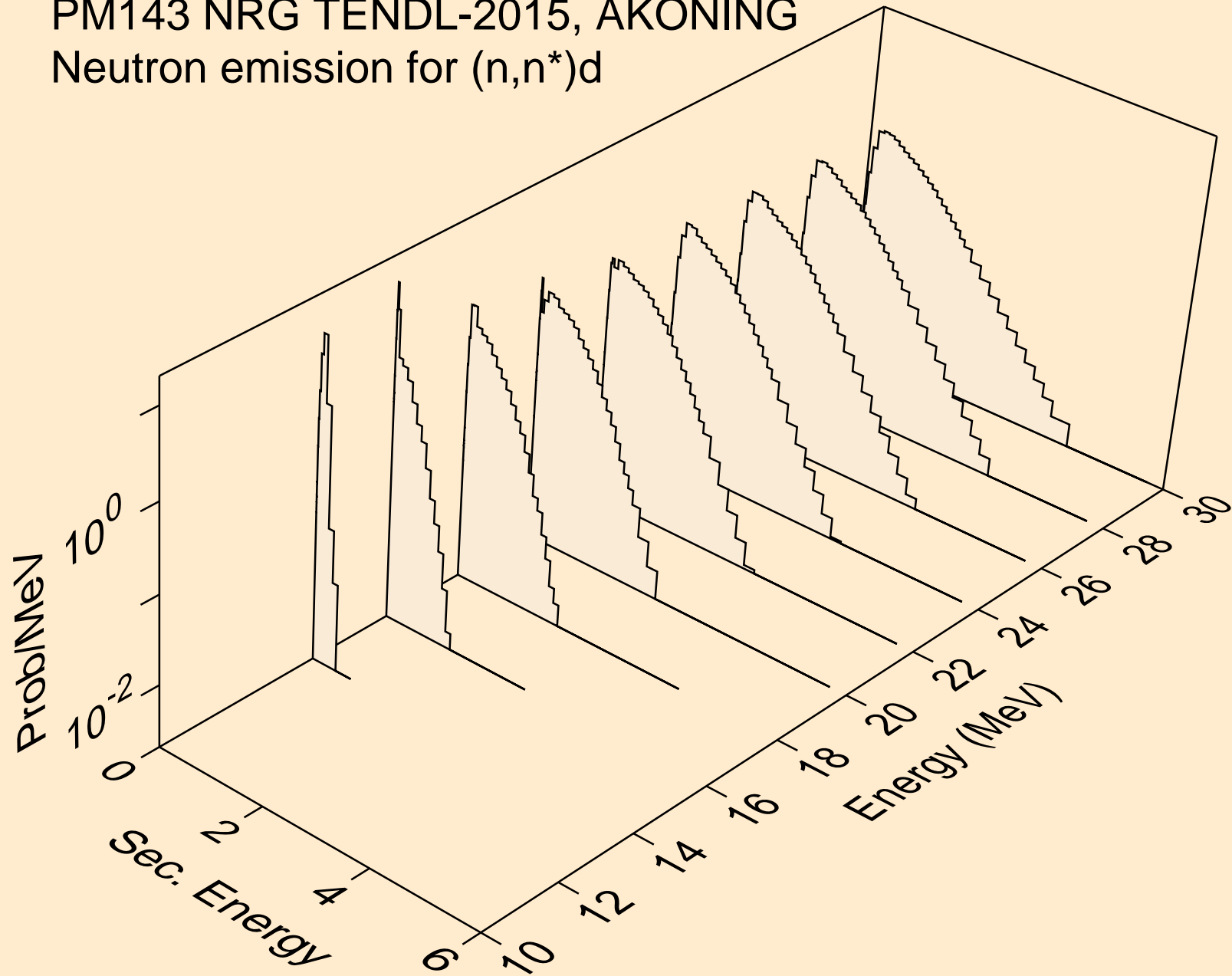
PM143 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



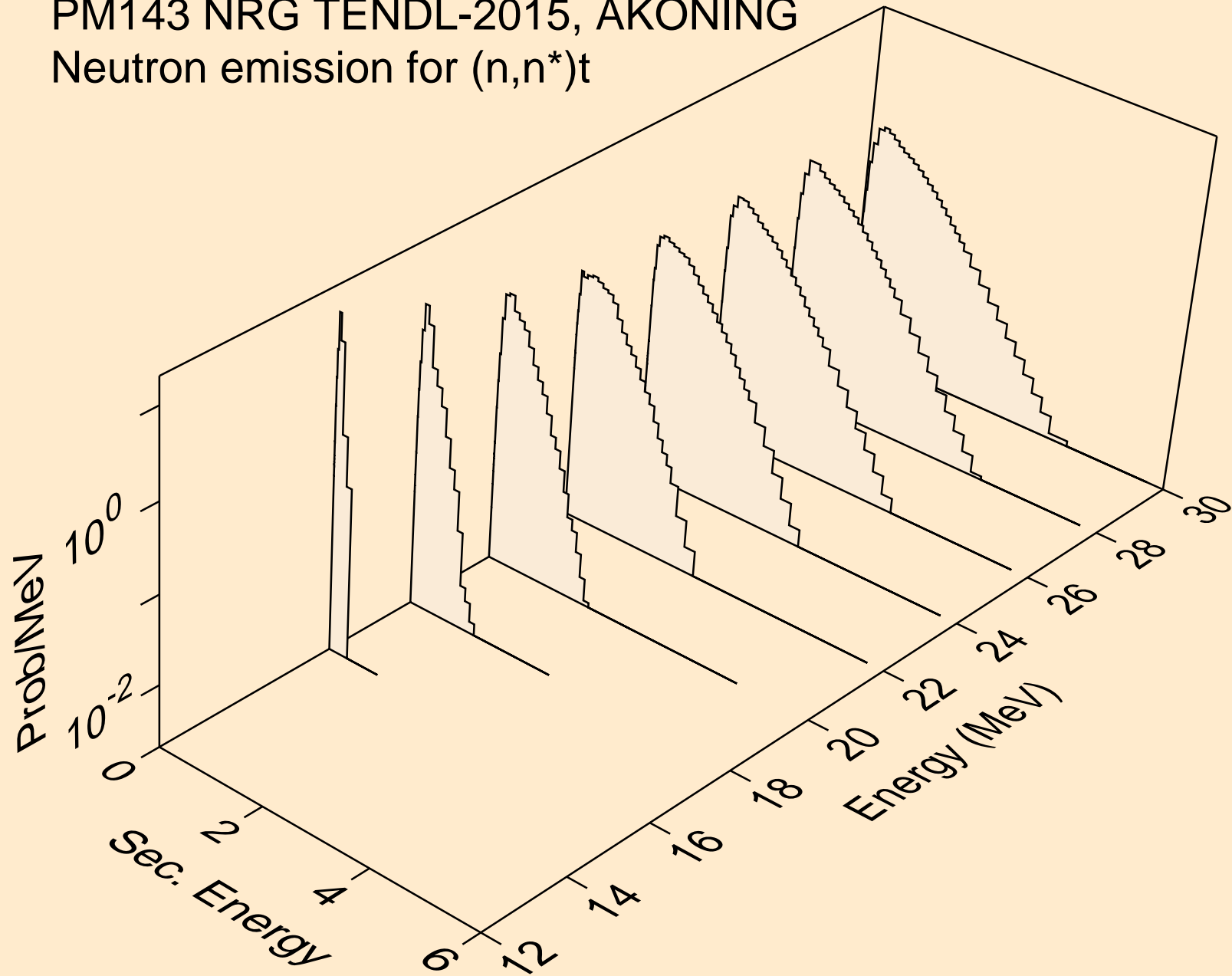
PM143 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



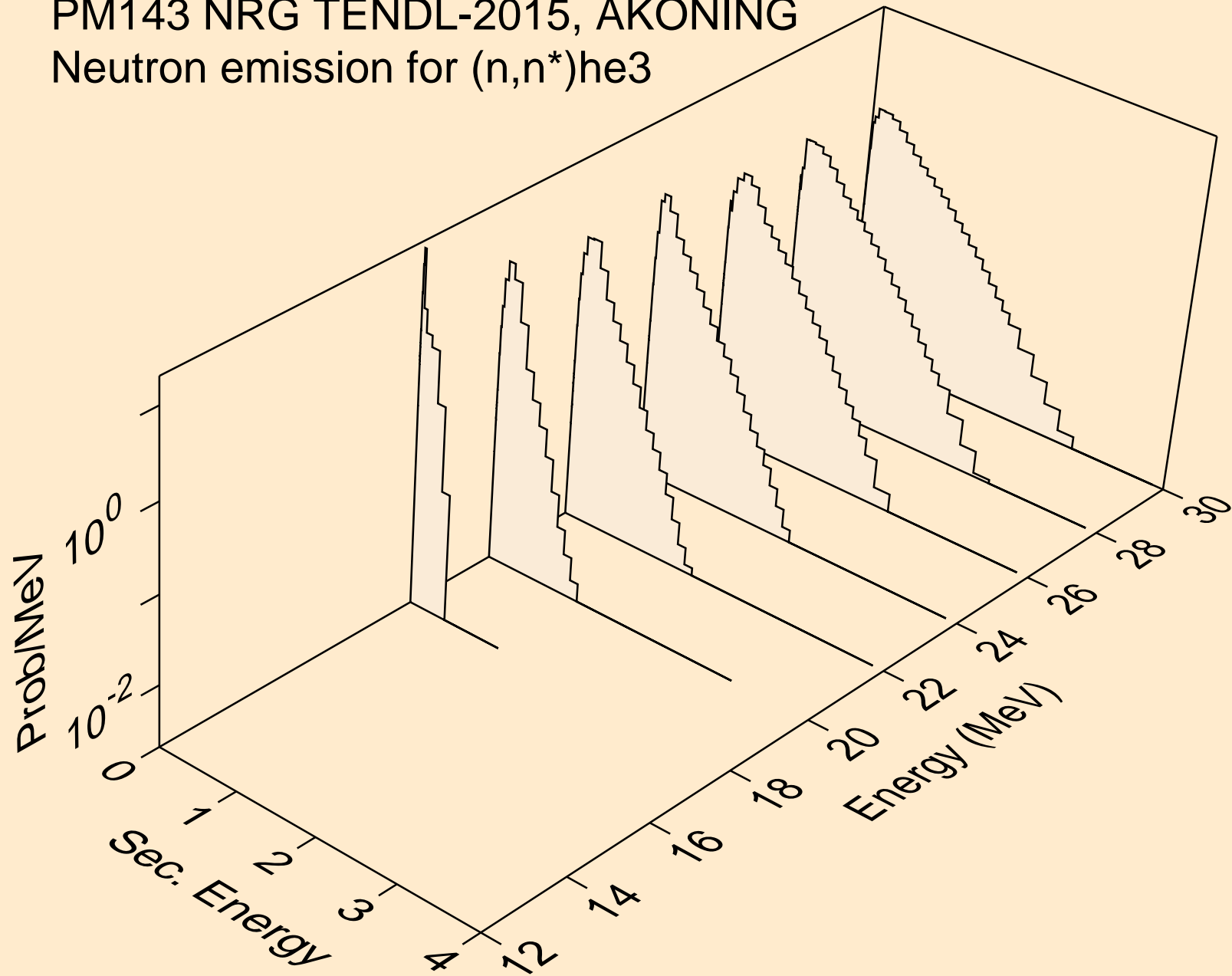
PM143 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



PM143 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t

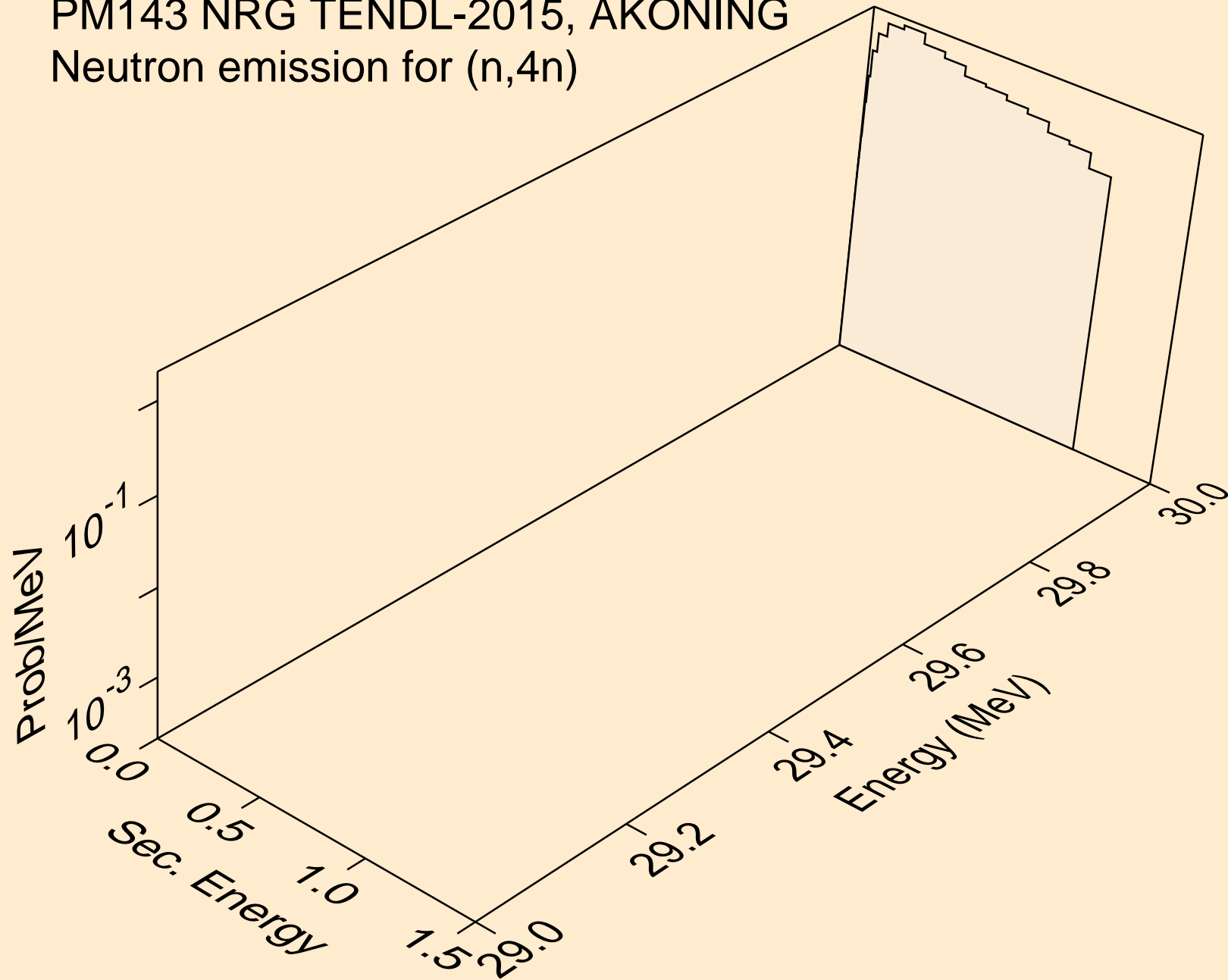


PM143 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3

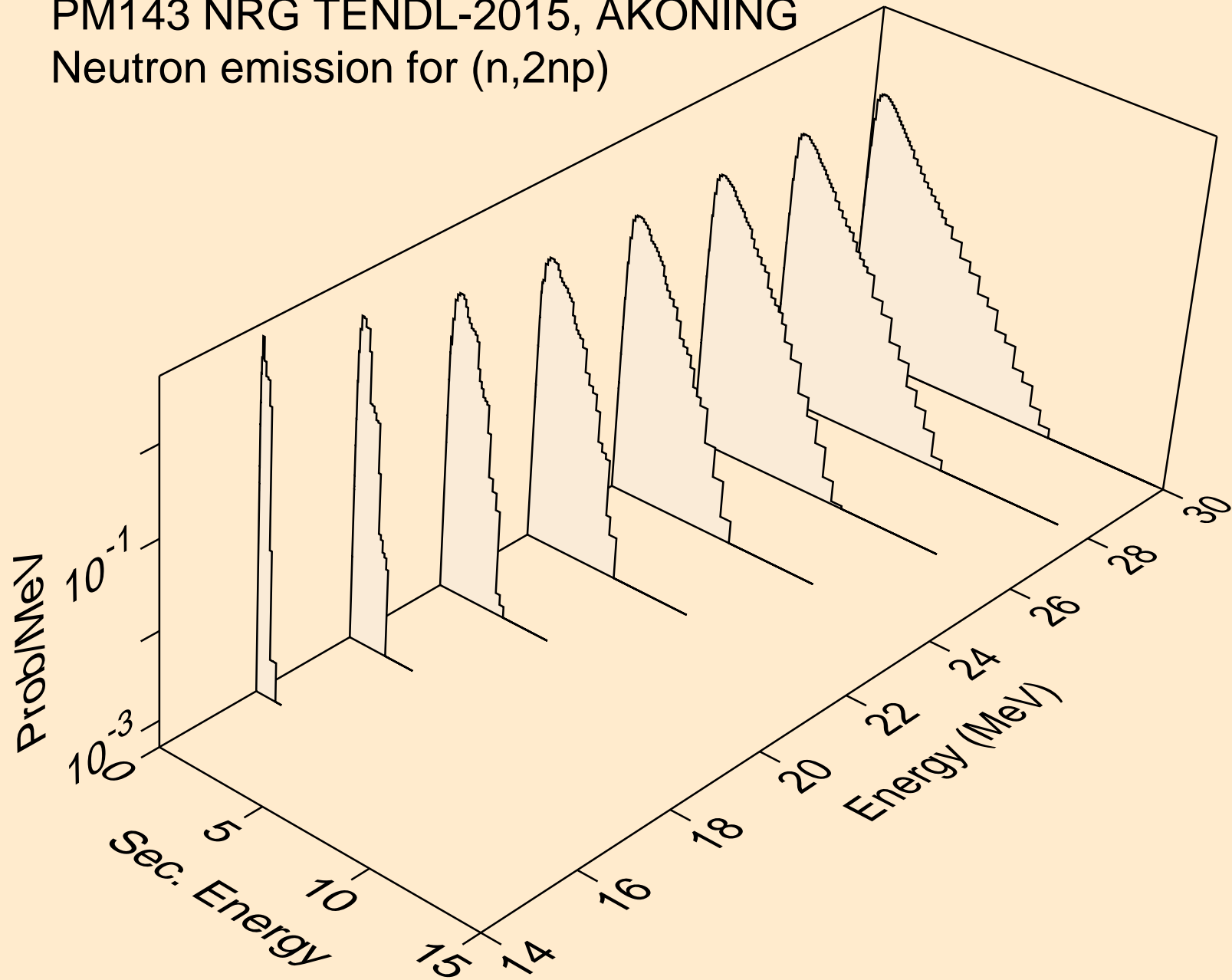




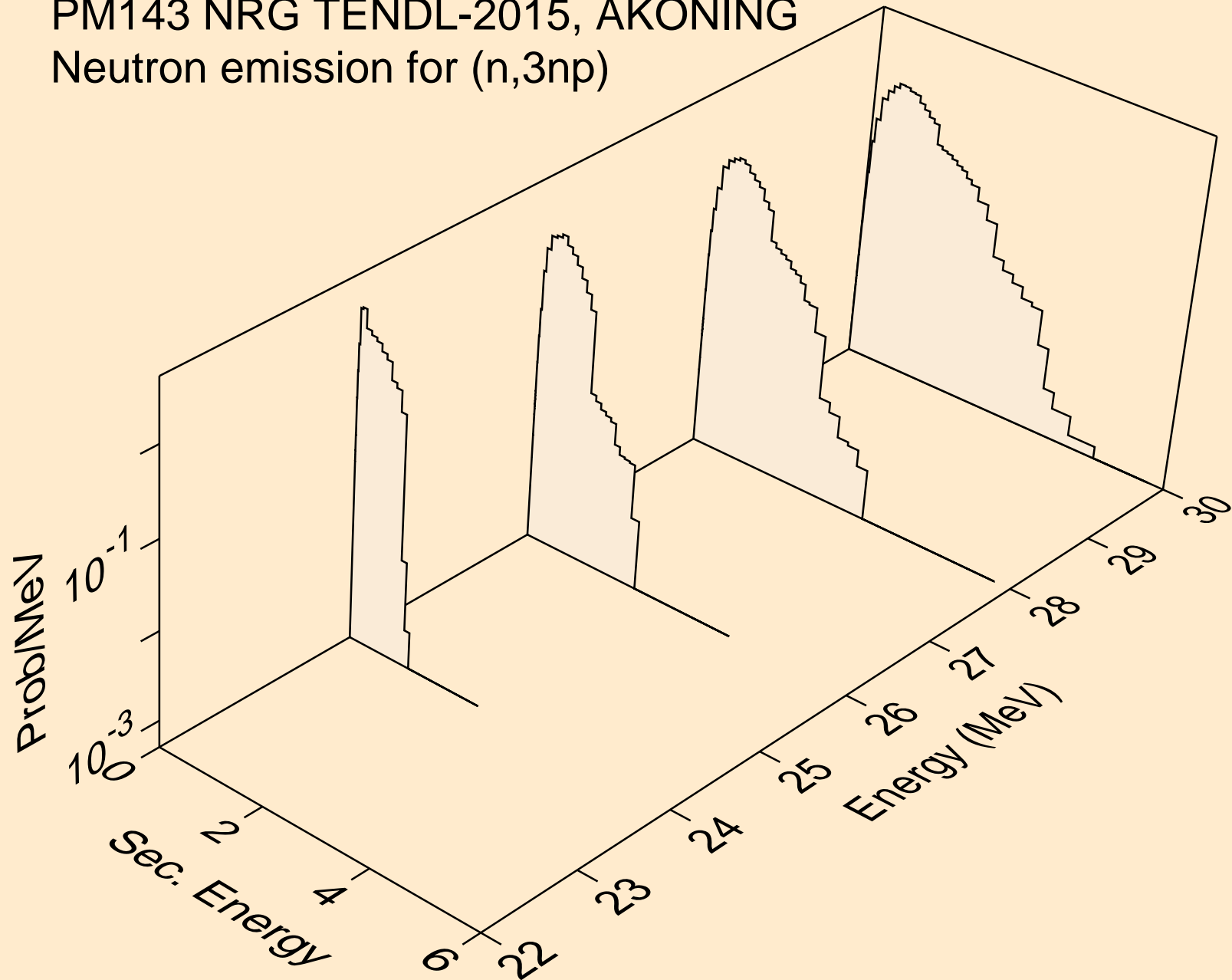
PM143 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



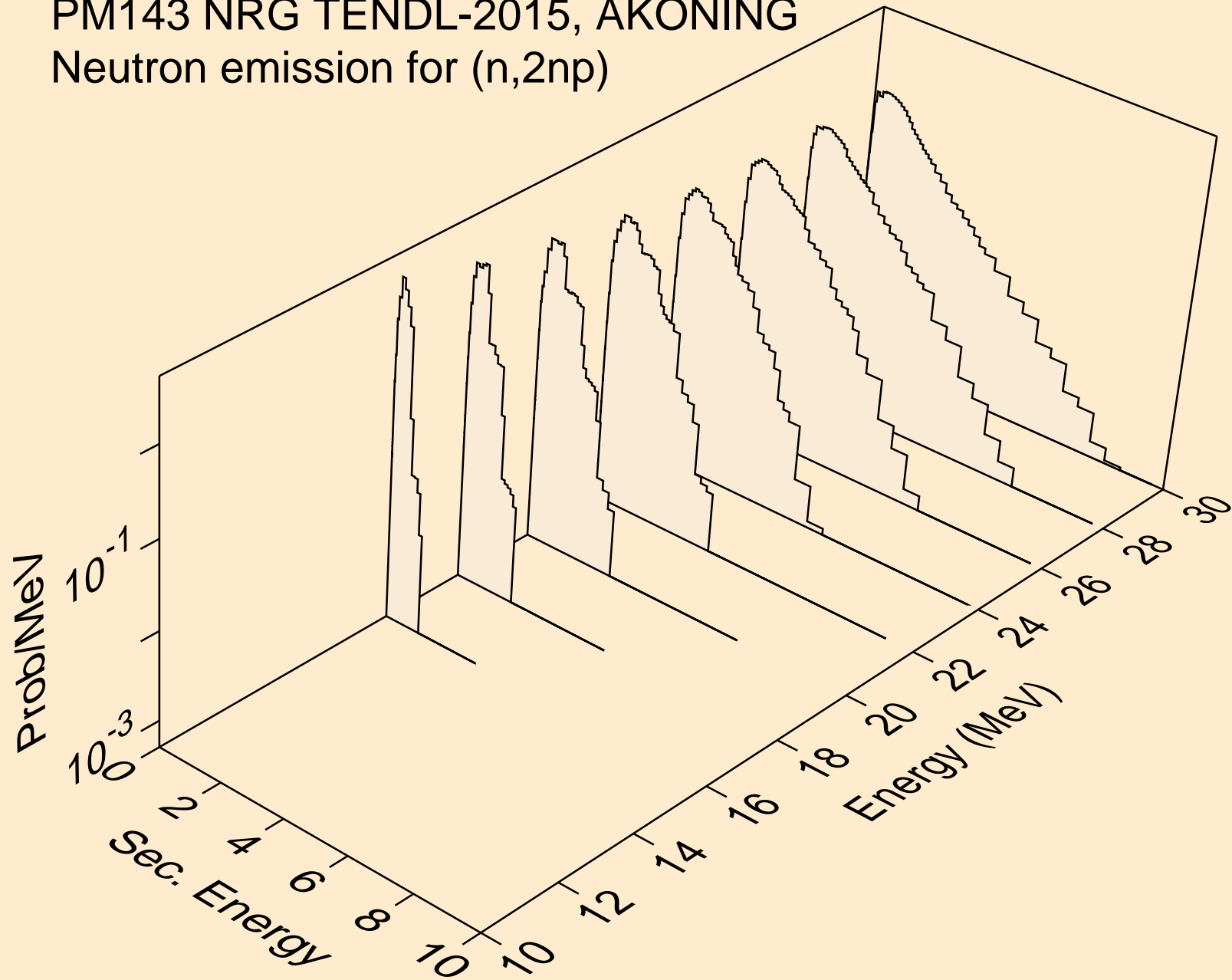
PM143 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



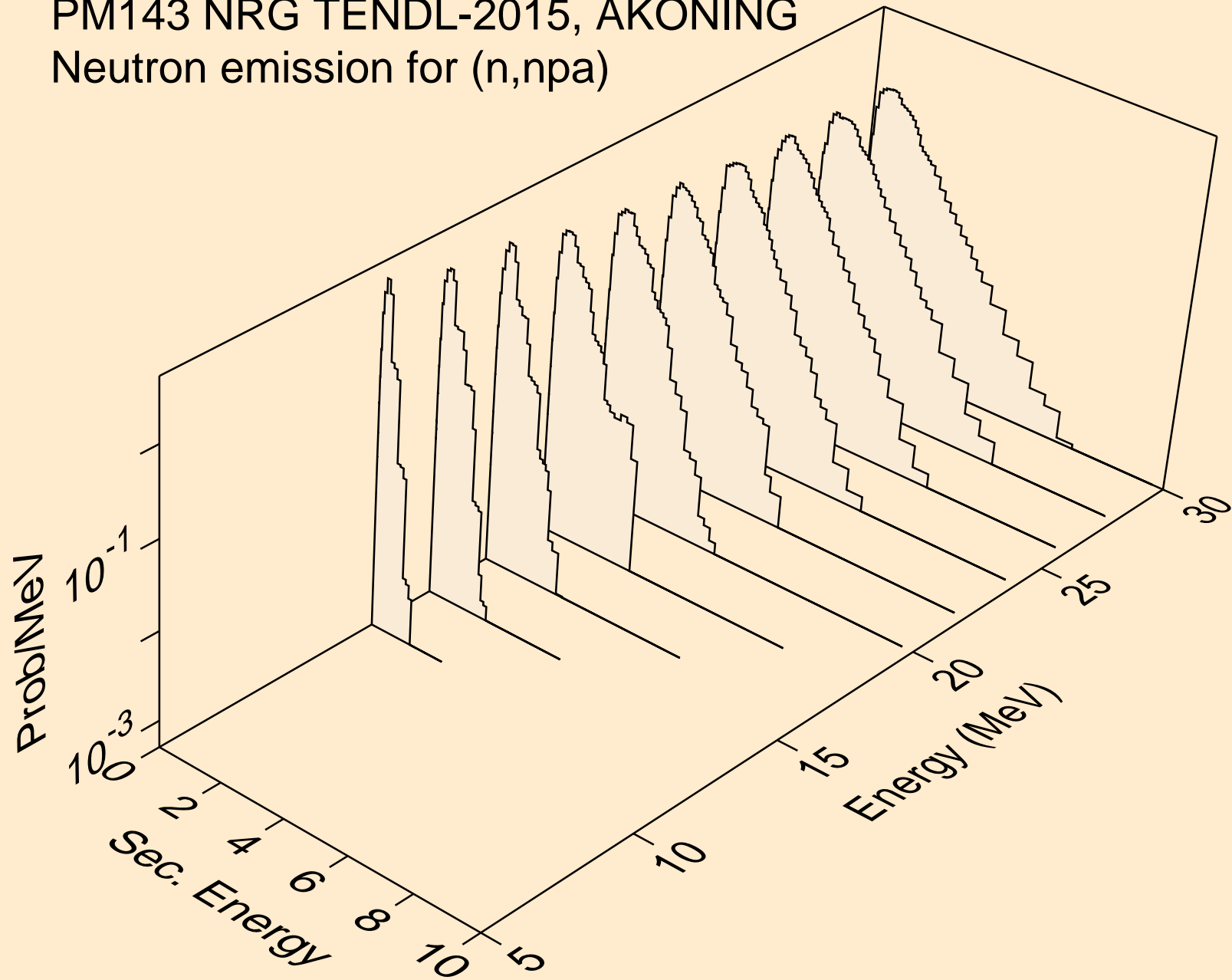
PM143 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



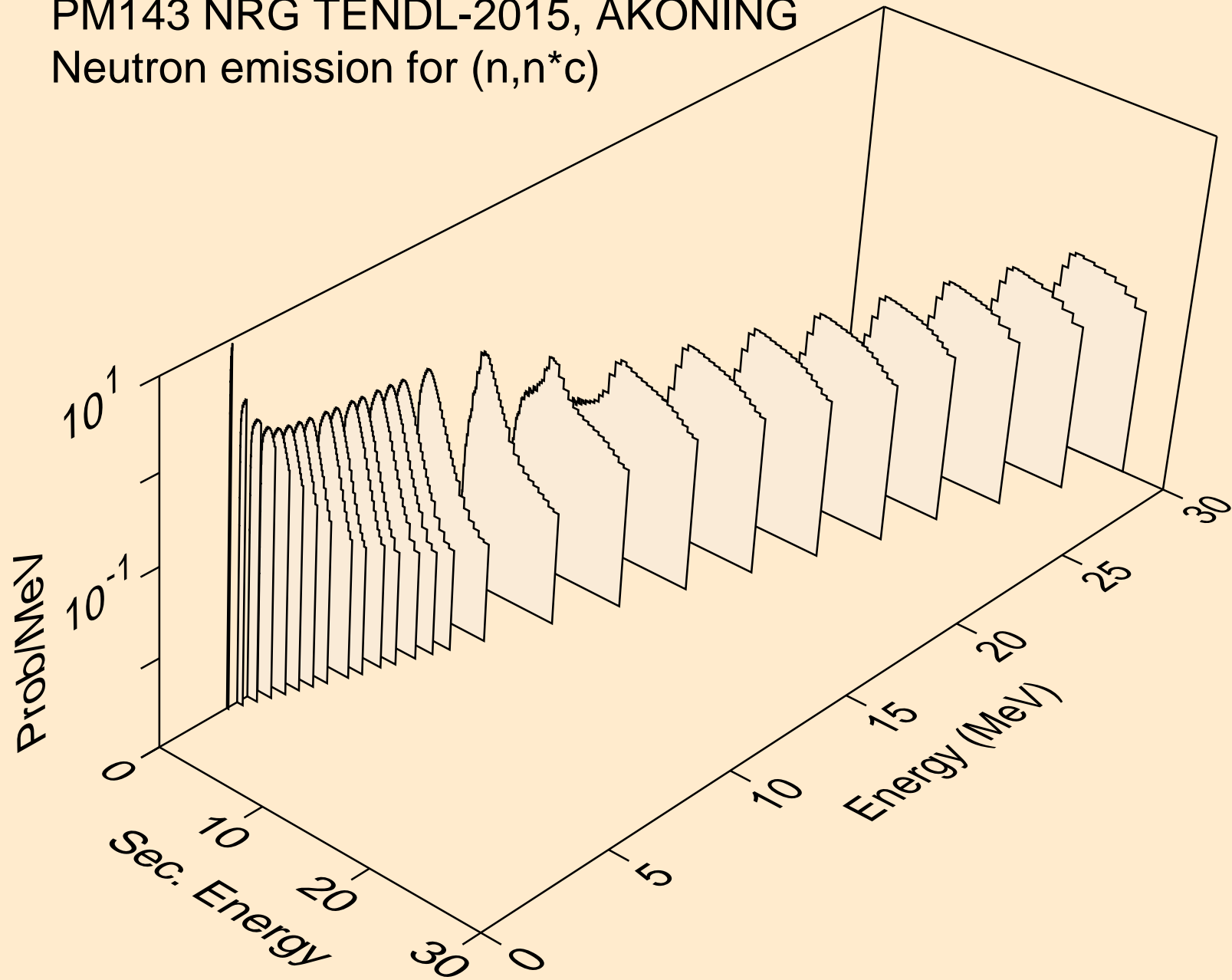
PM143 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



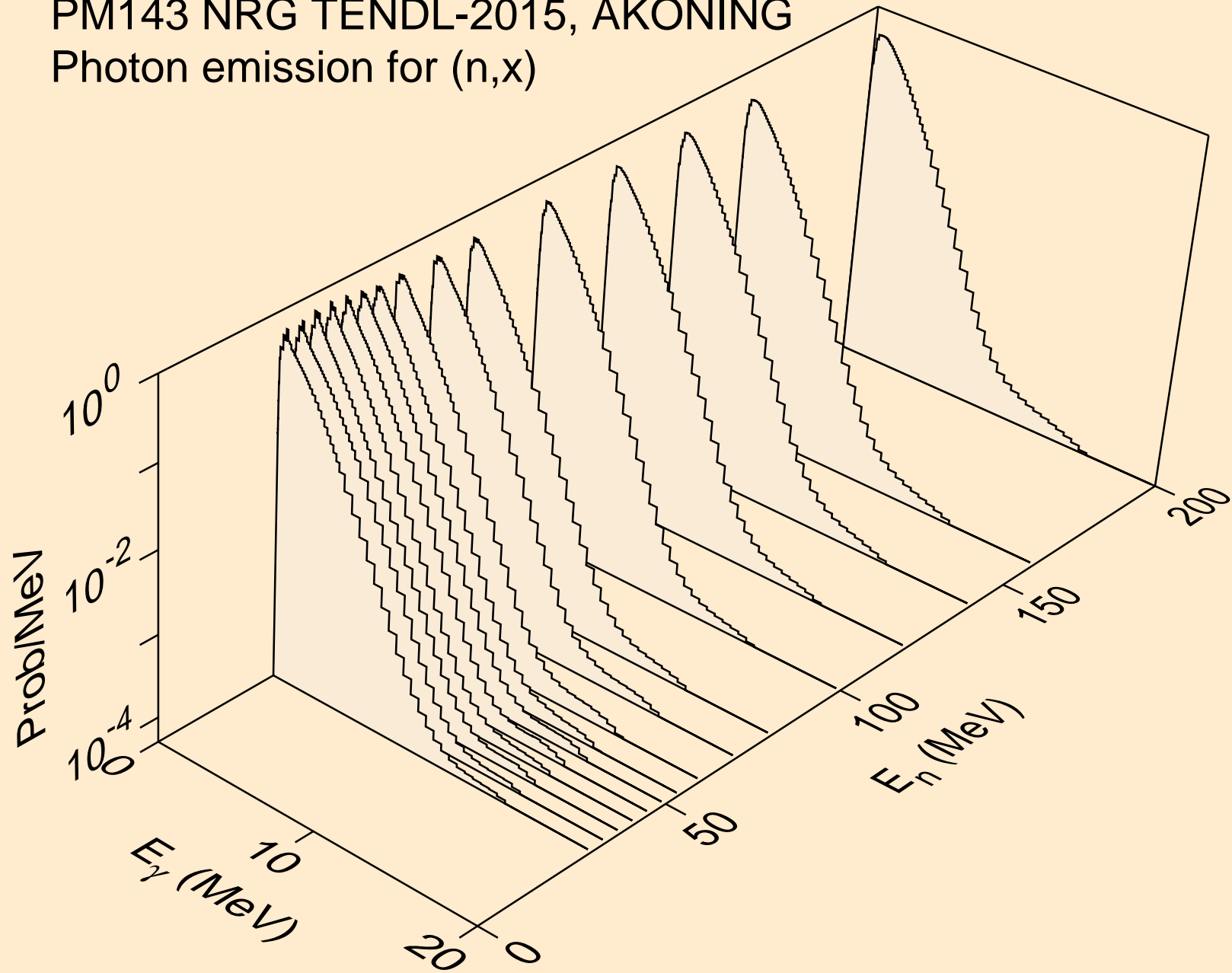
PM143 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



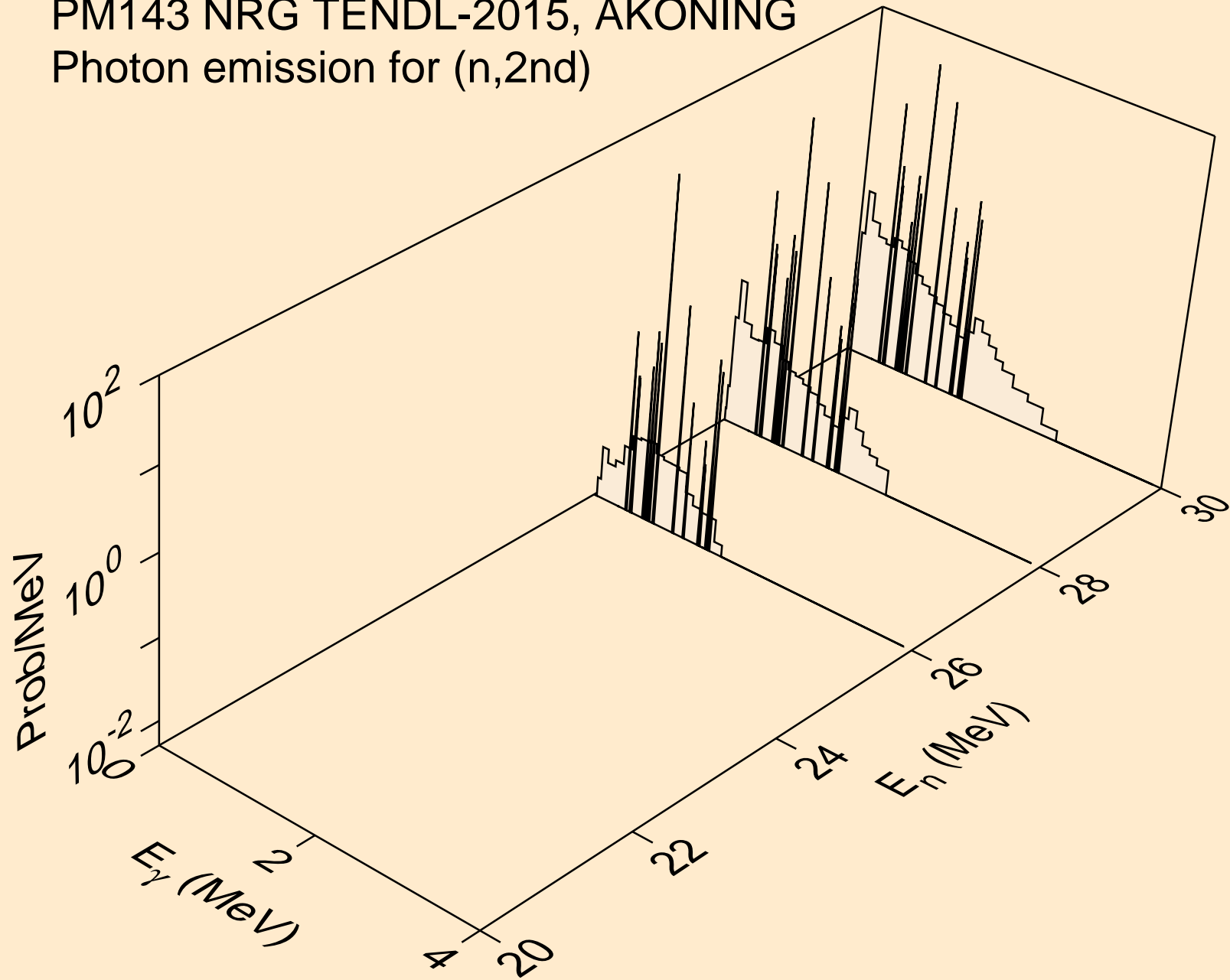
PM143 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



PM143 NRG TENDL-2015, AKONING  
Photon emission for (n,x)

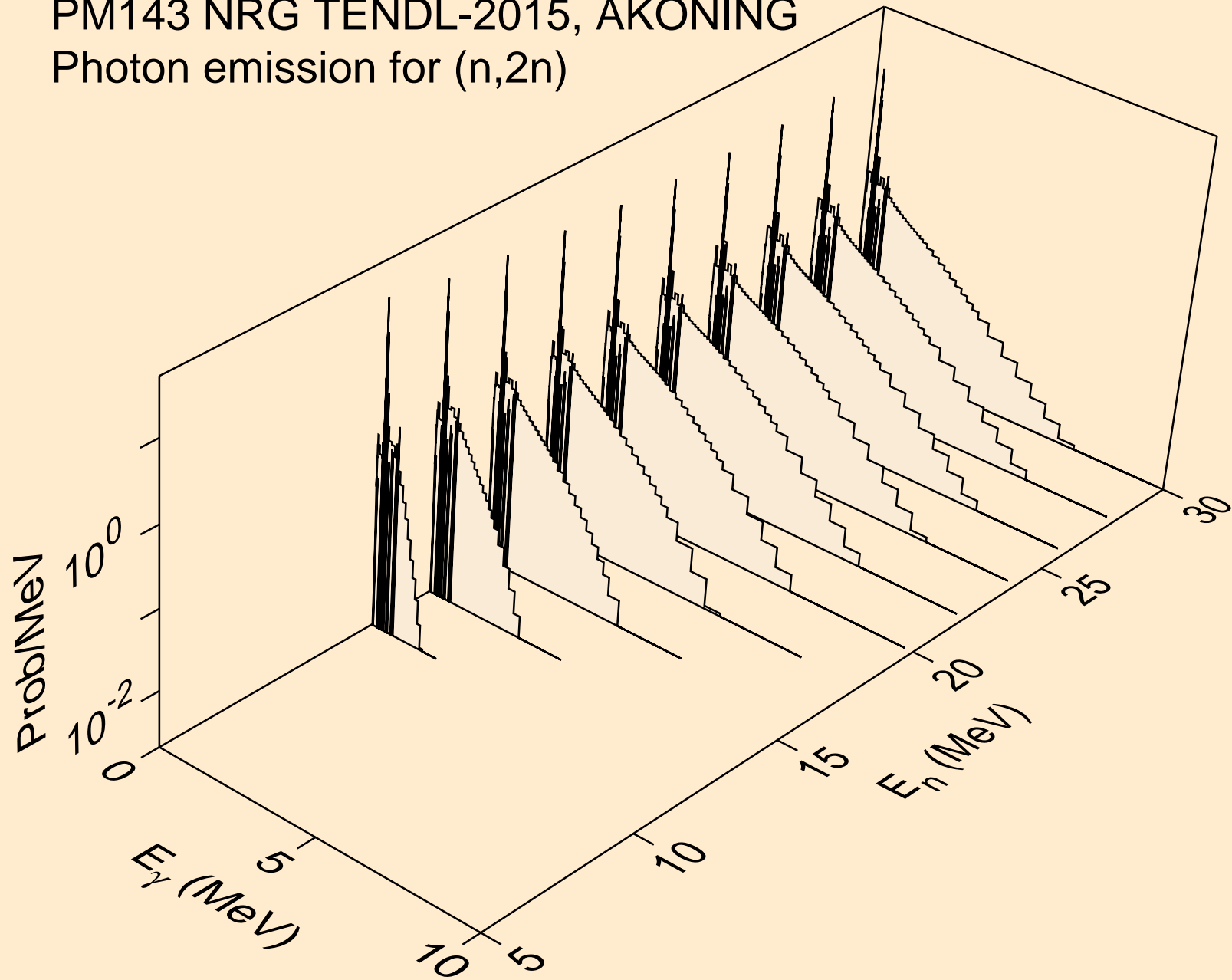


PM143 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)

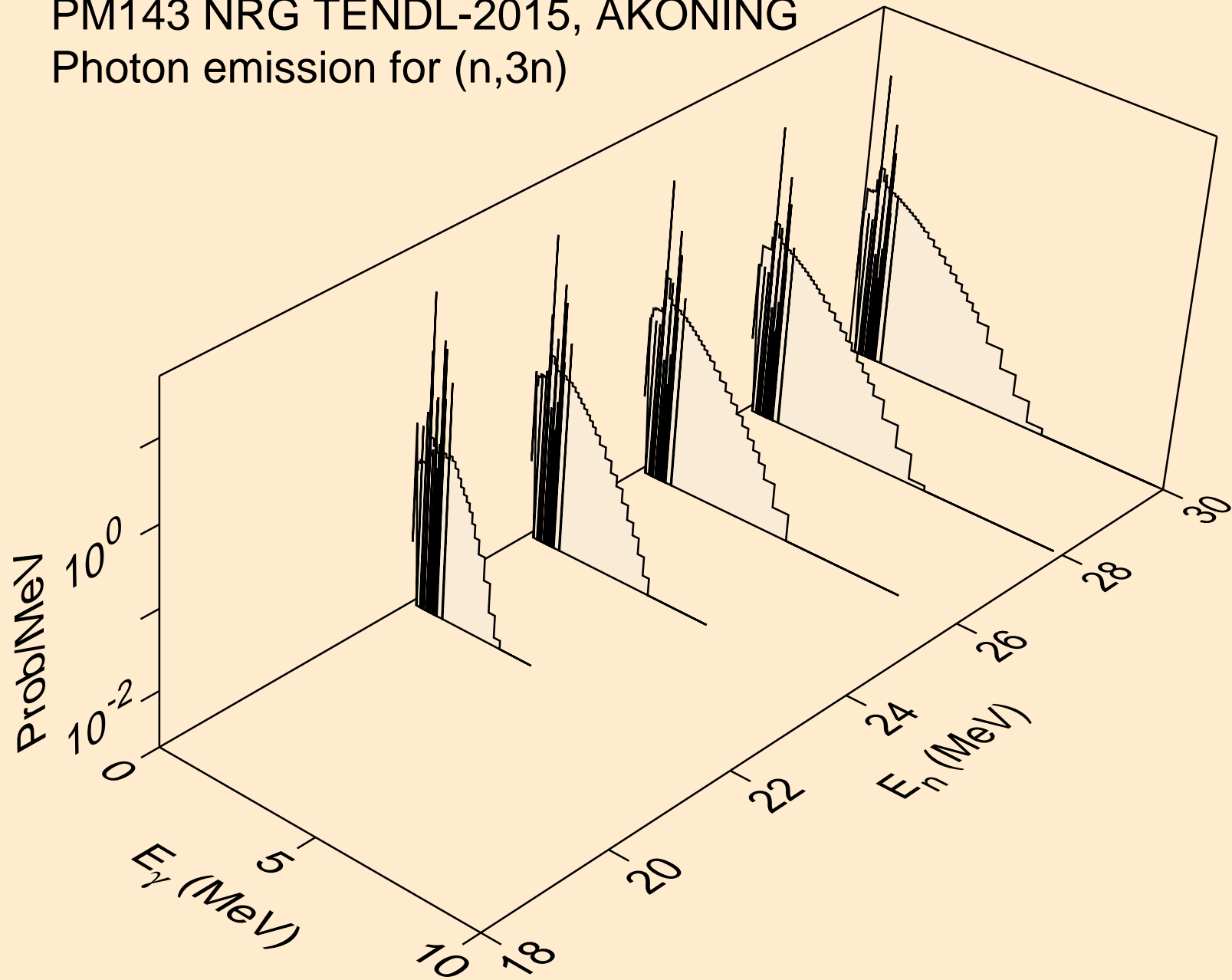




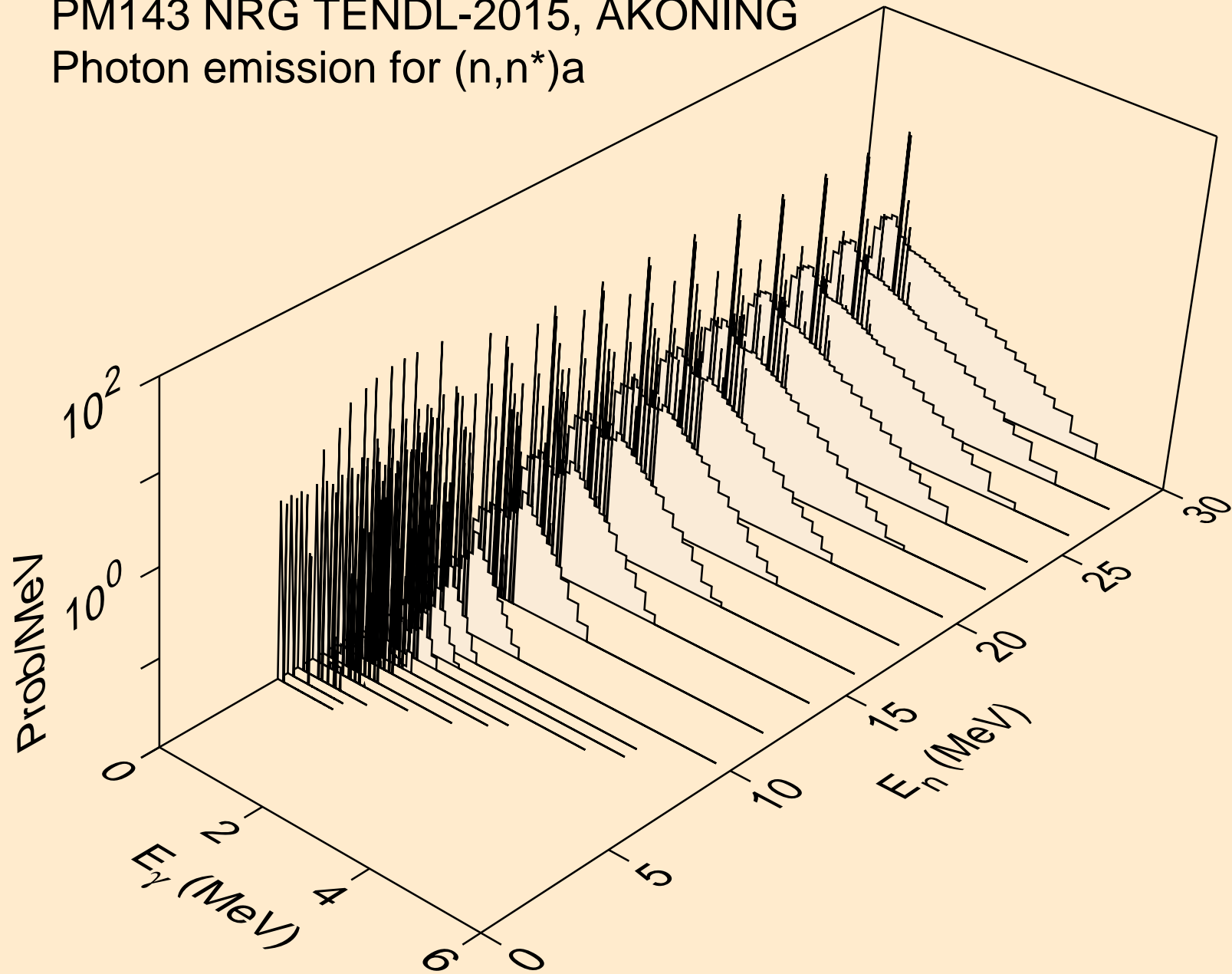
PM143 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



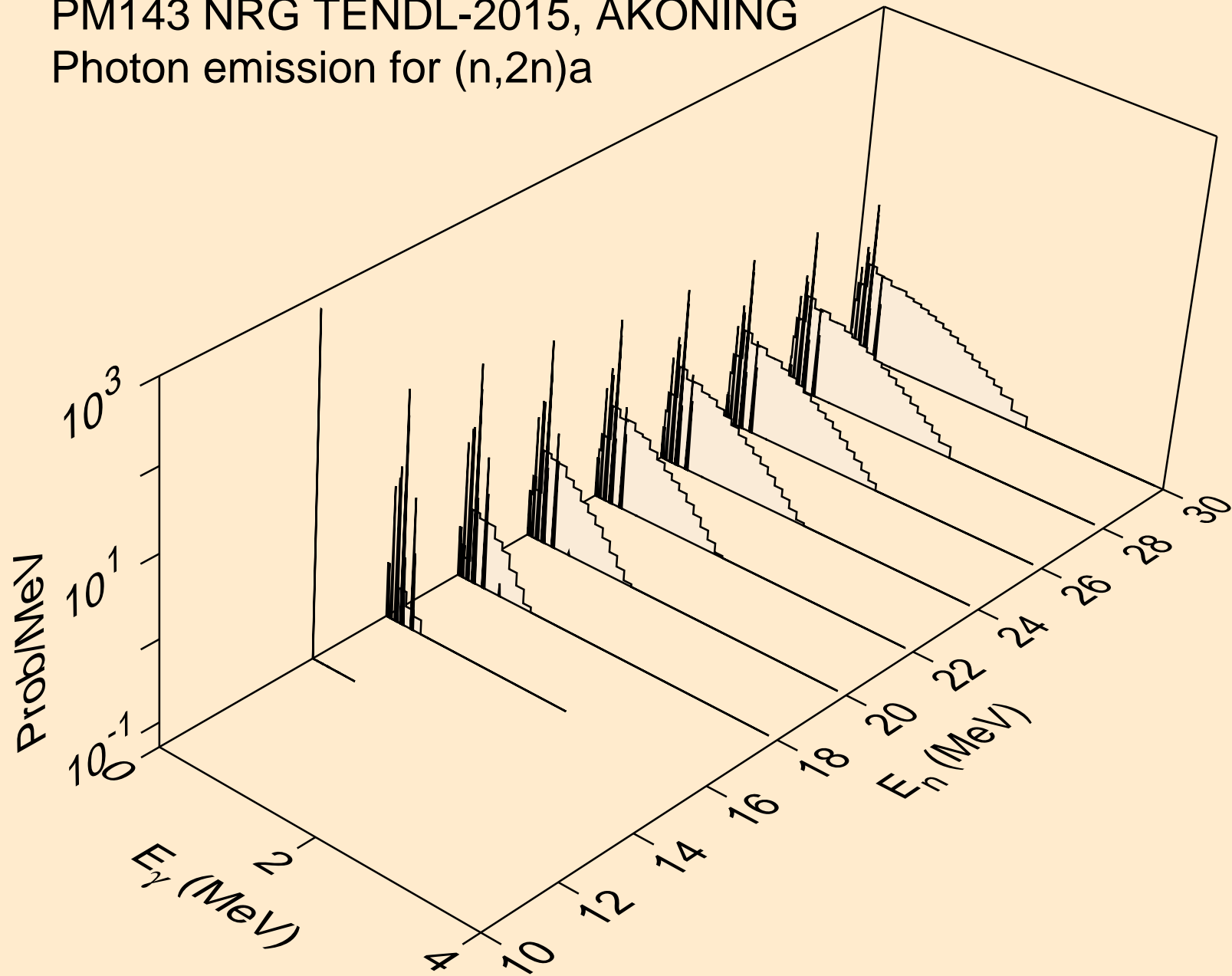
PM143 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



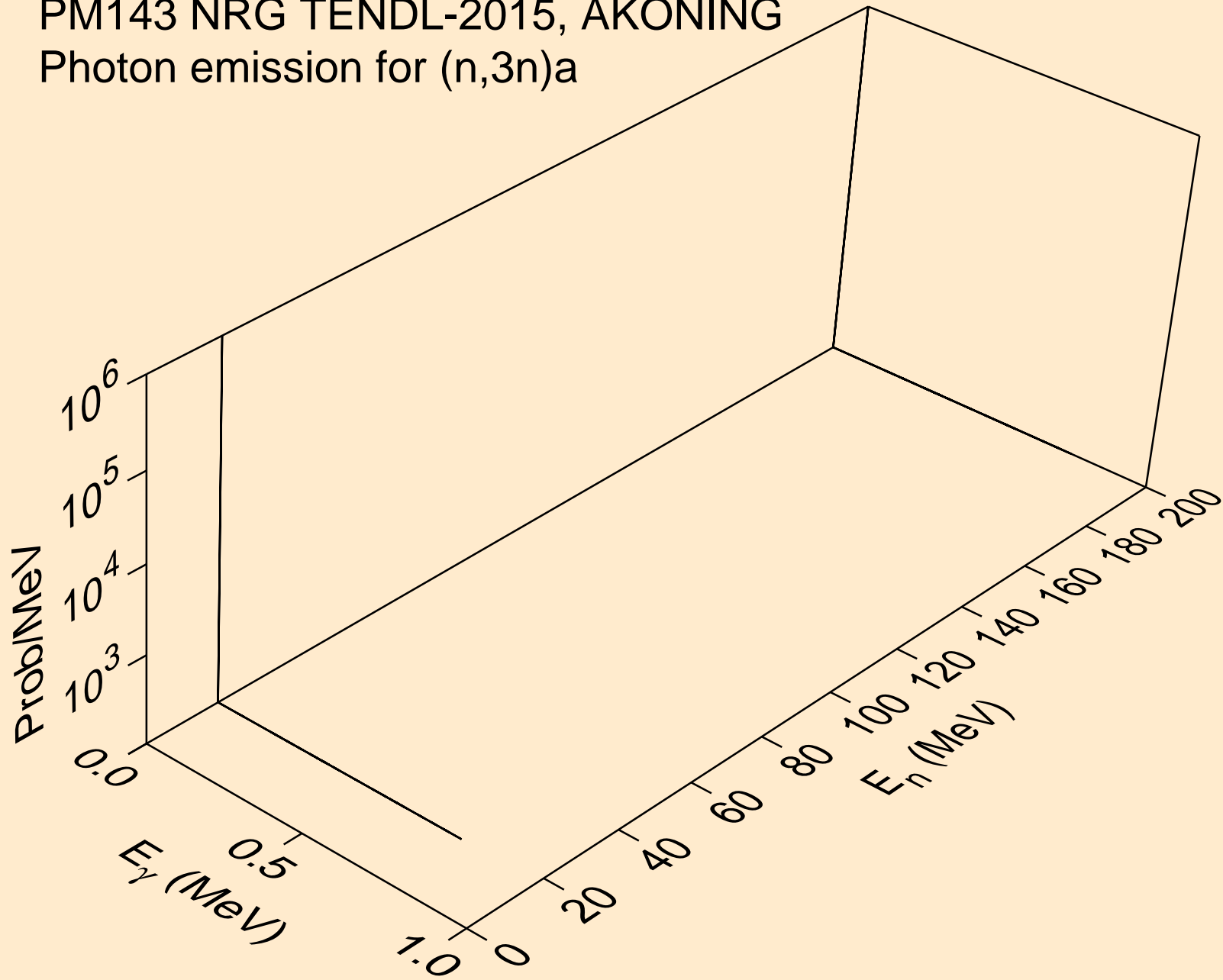
PM143 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



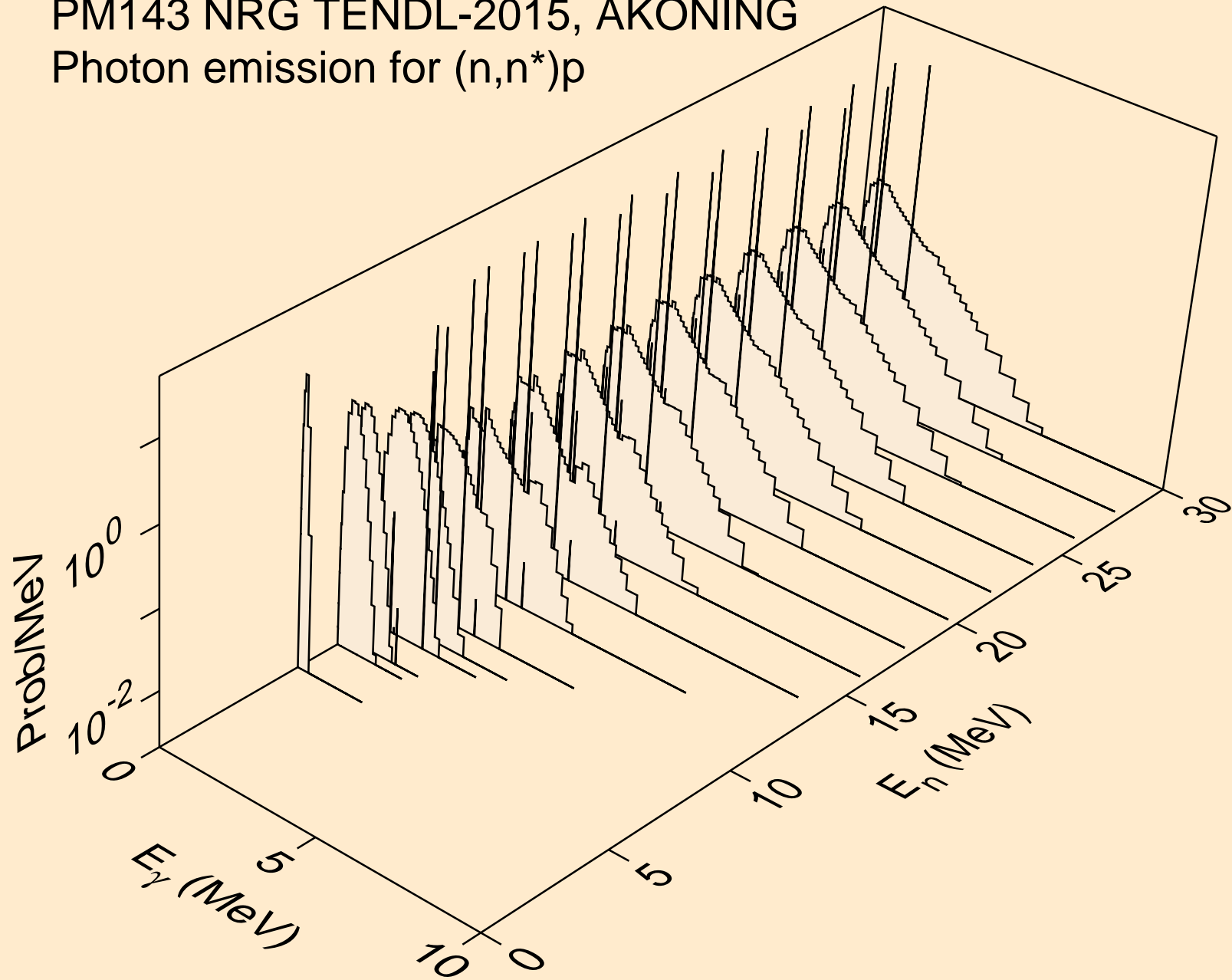
PM143 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)<sub>a</sub>



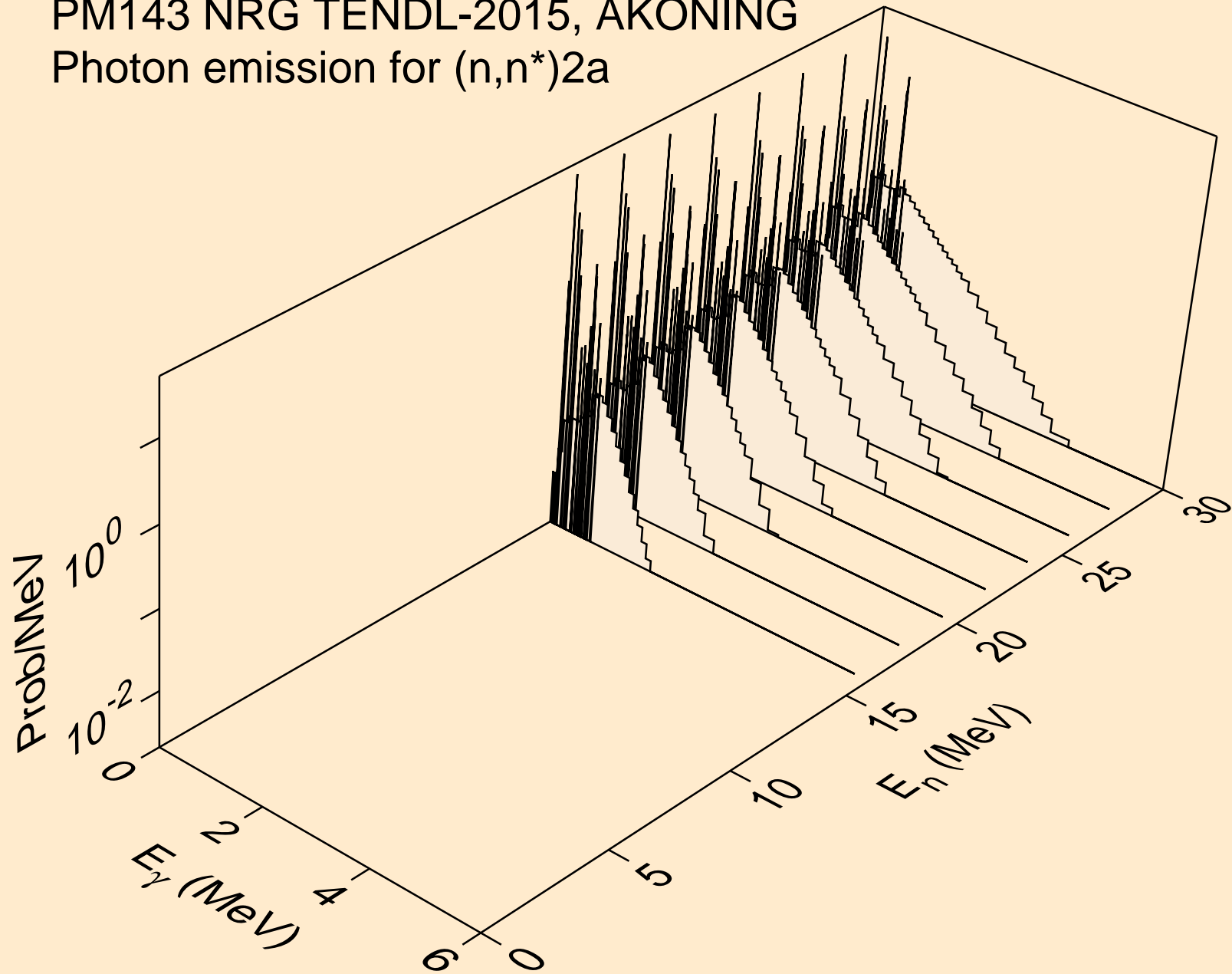
PM143 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



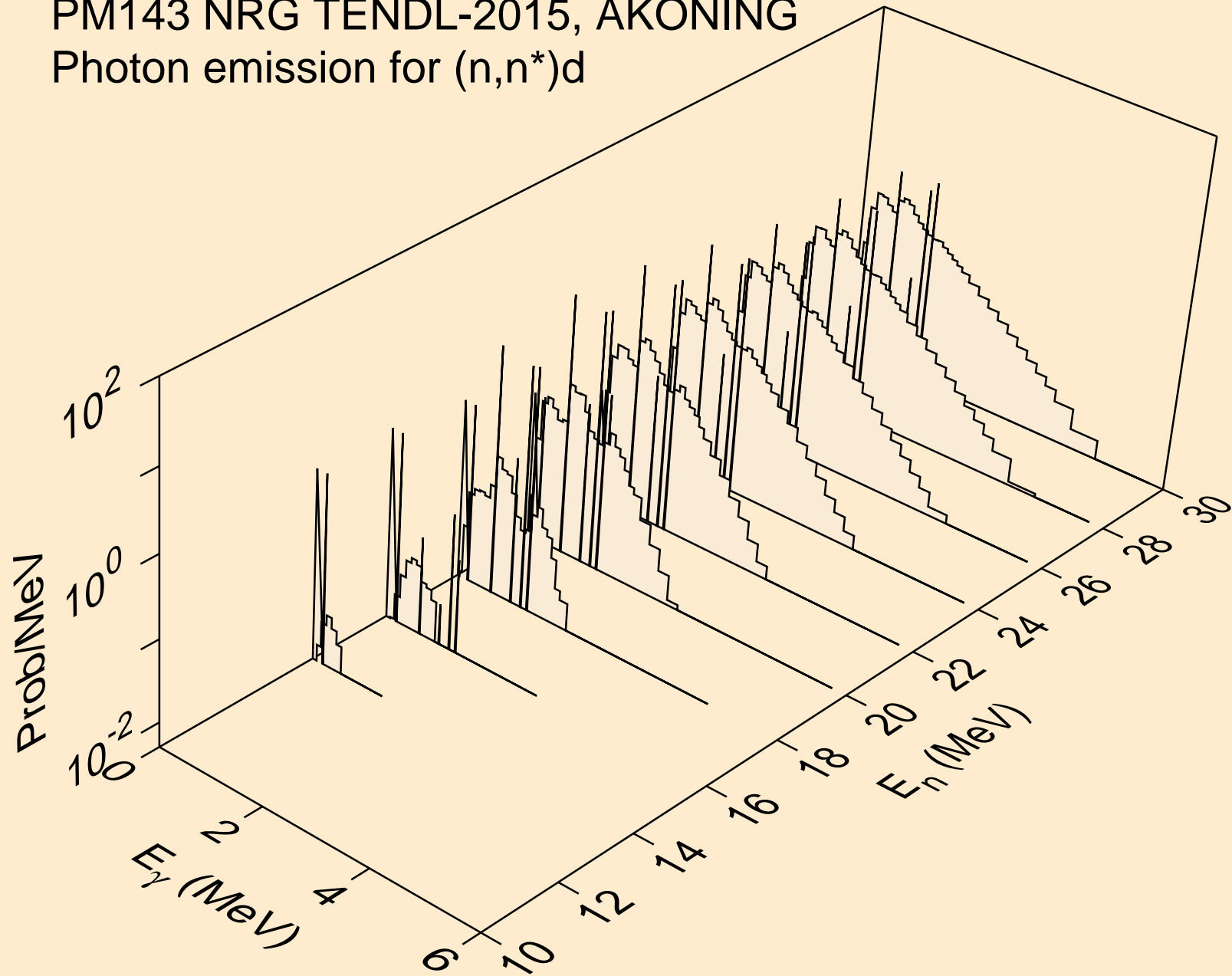
PM143 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



PM143 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a

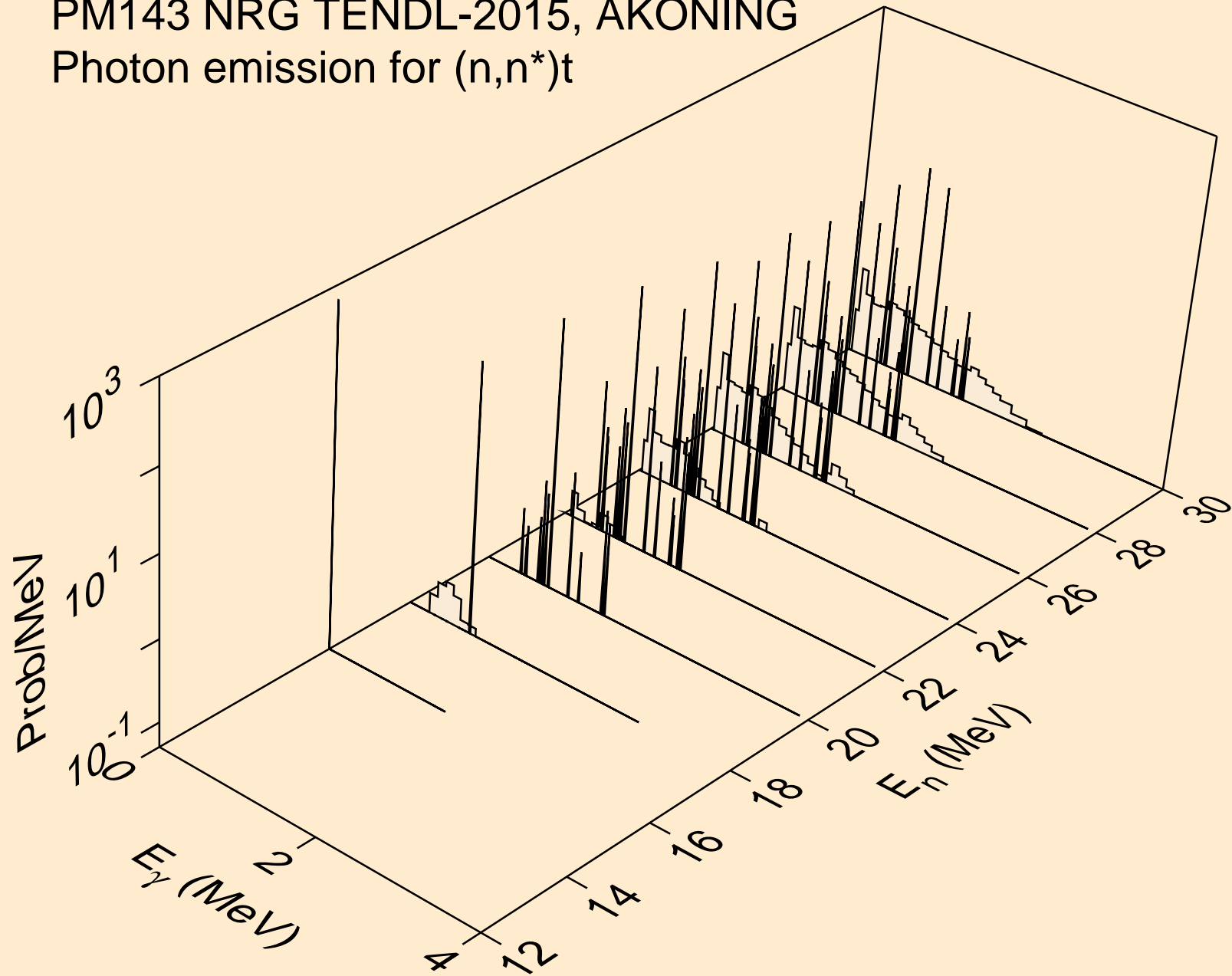


PM143 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d

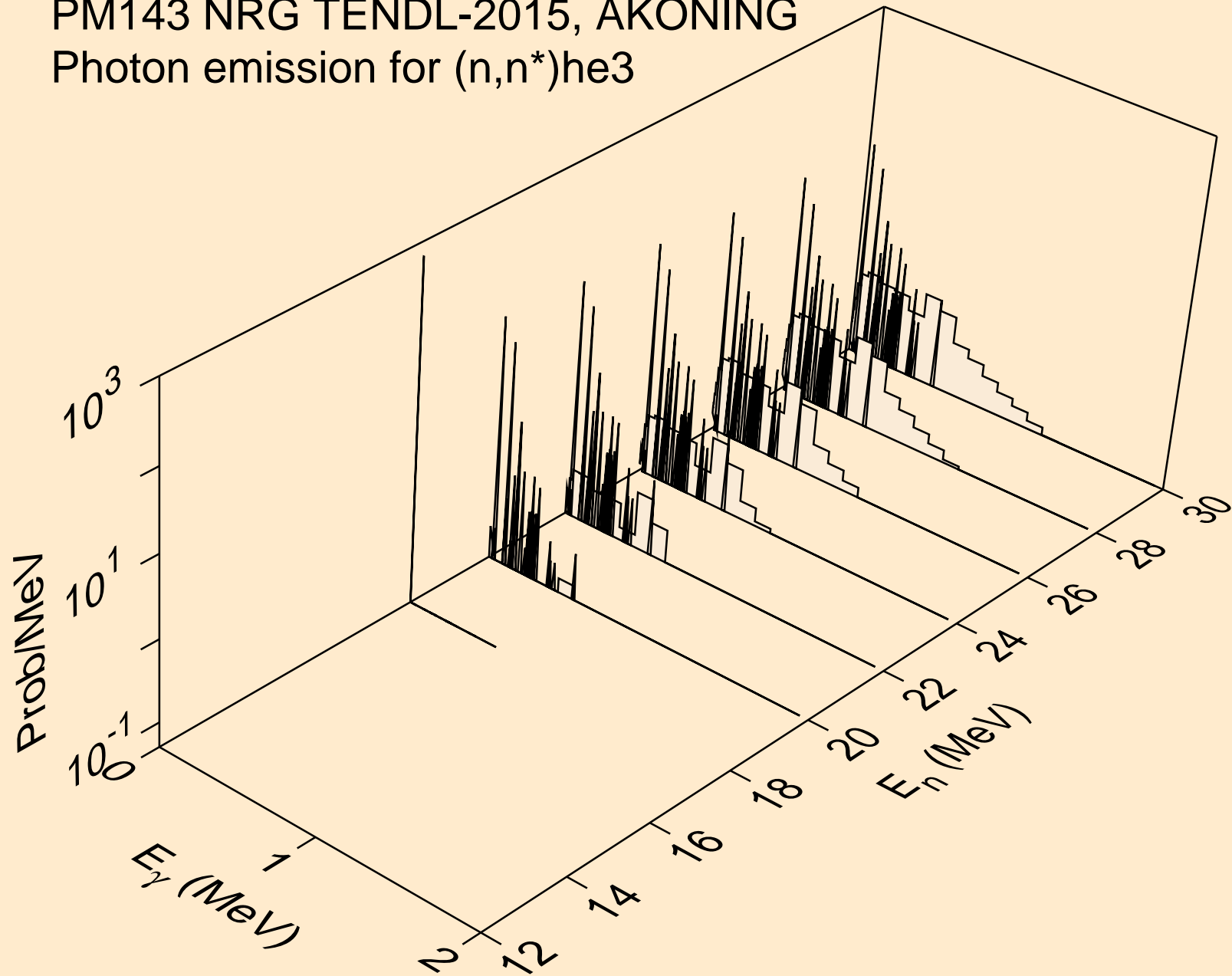




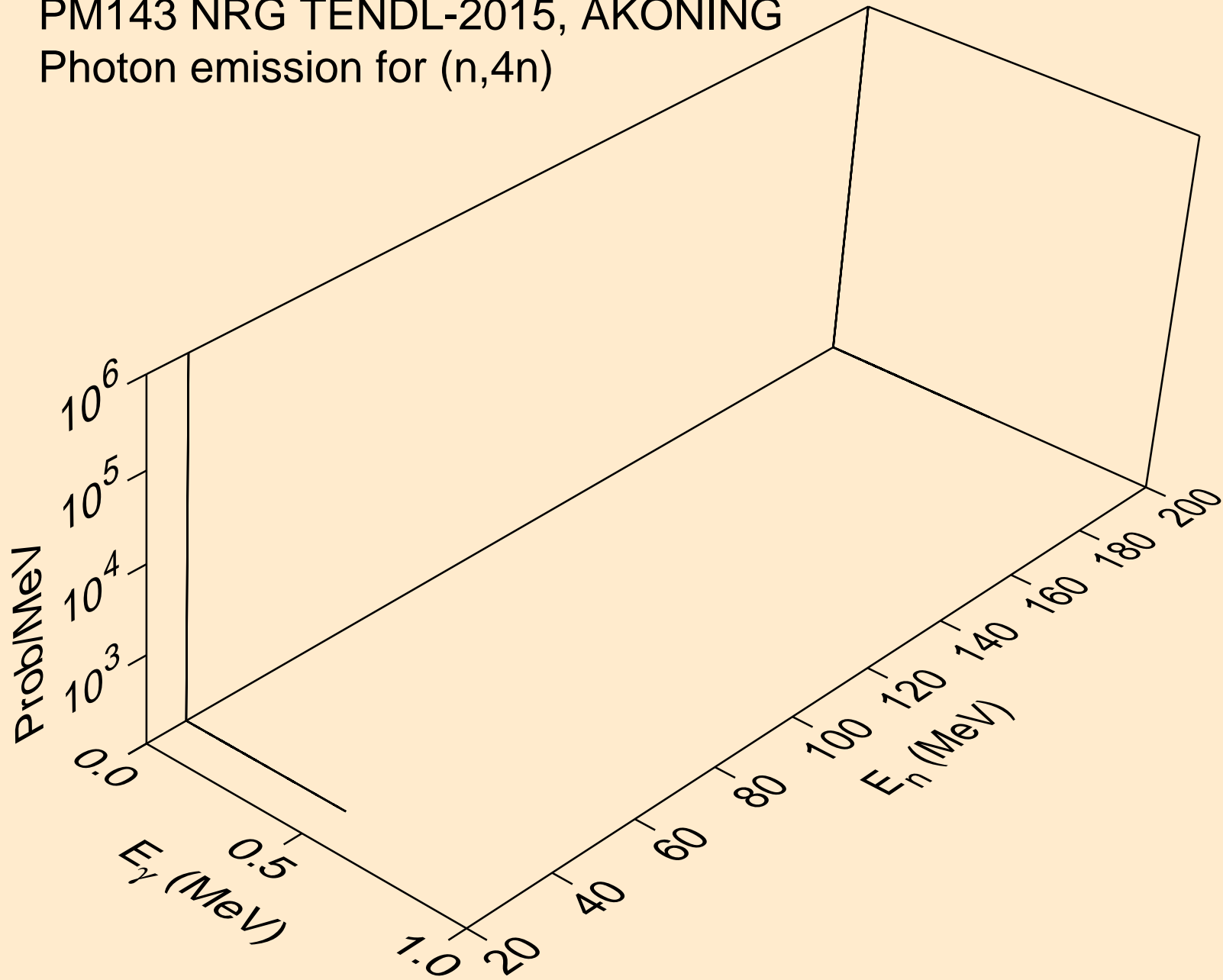
PM143 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



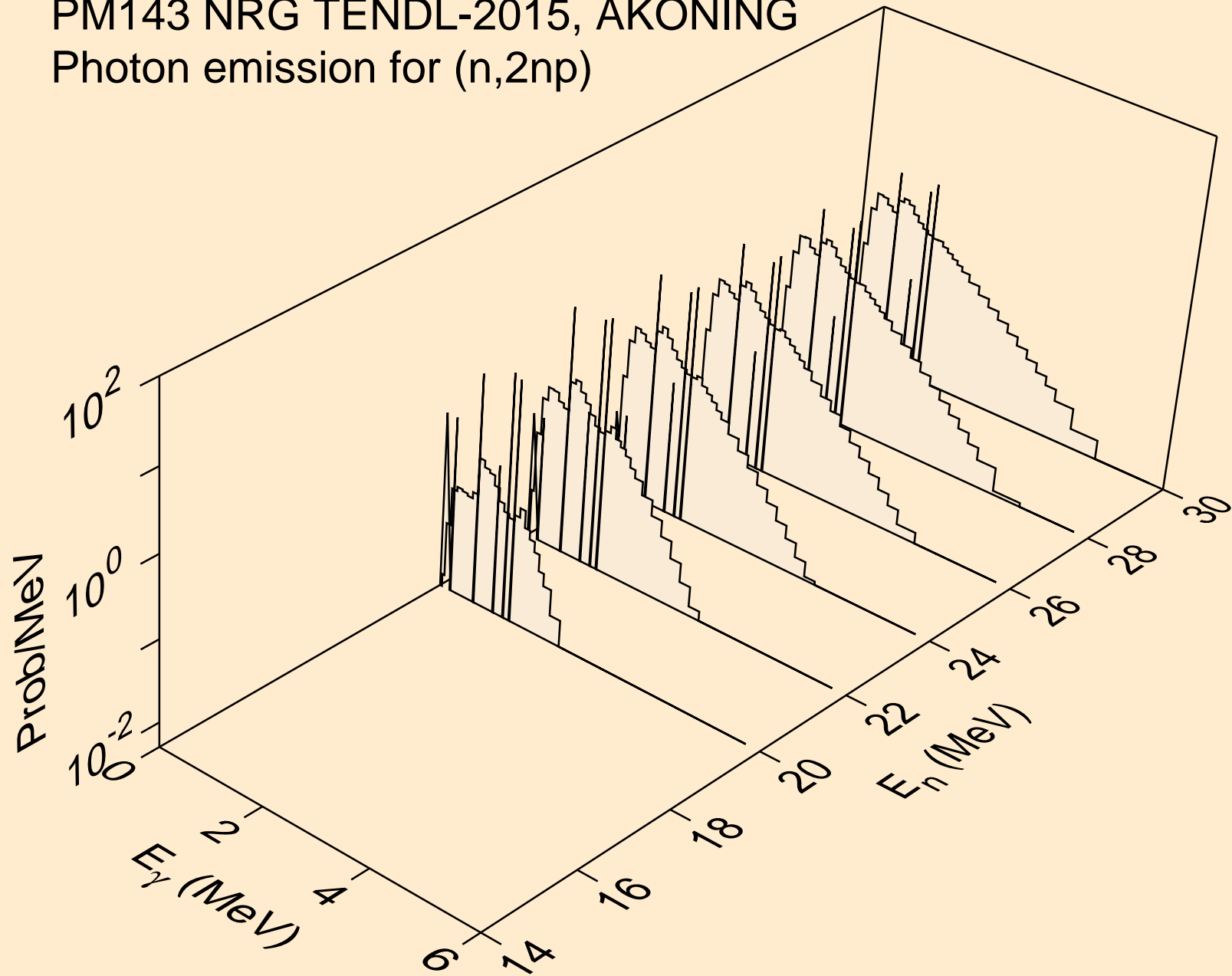
PM143 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



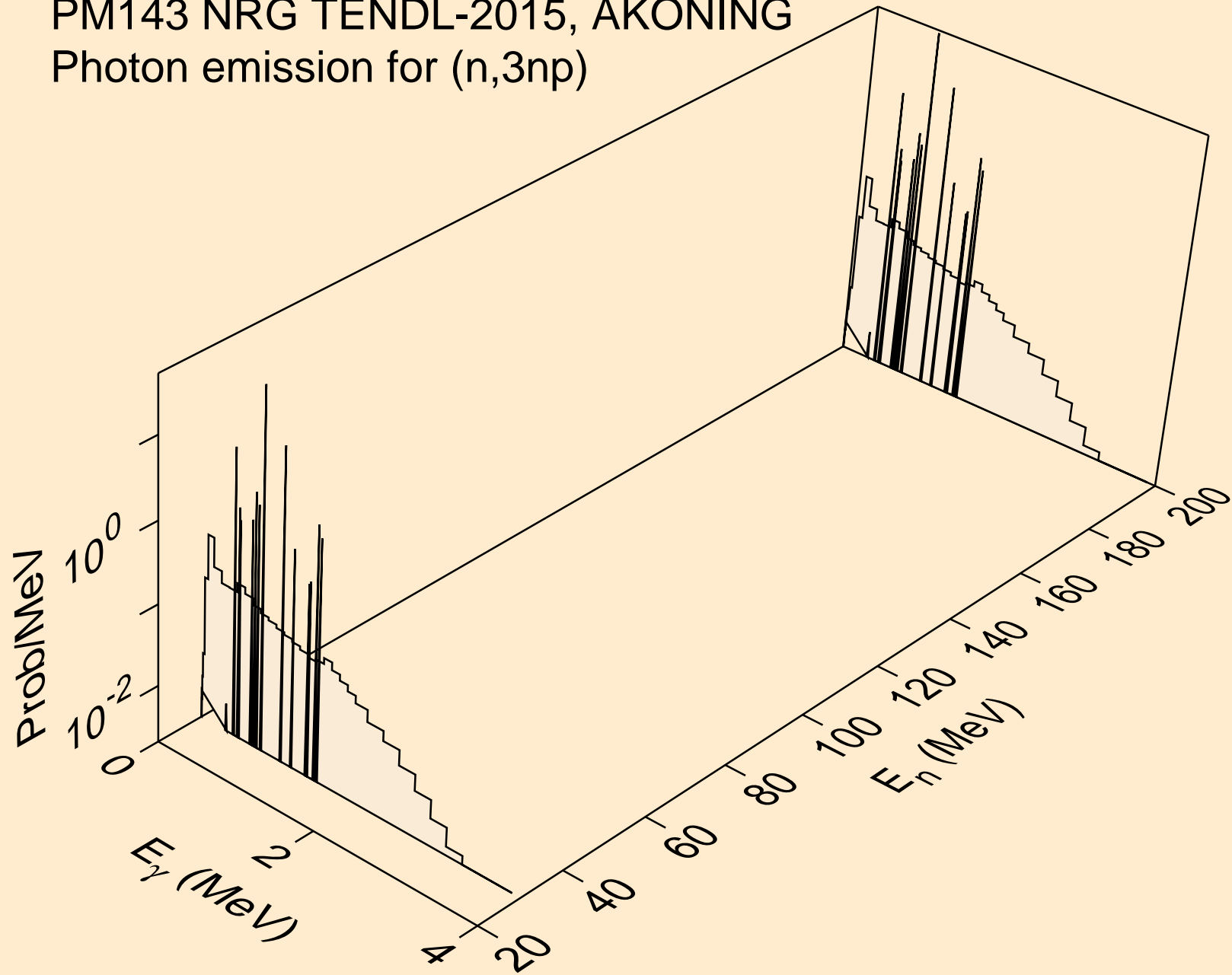
PM143 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



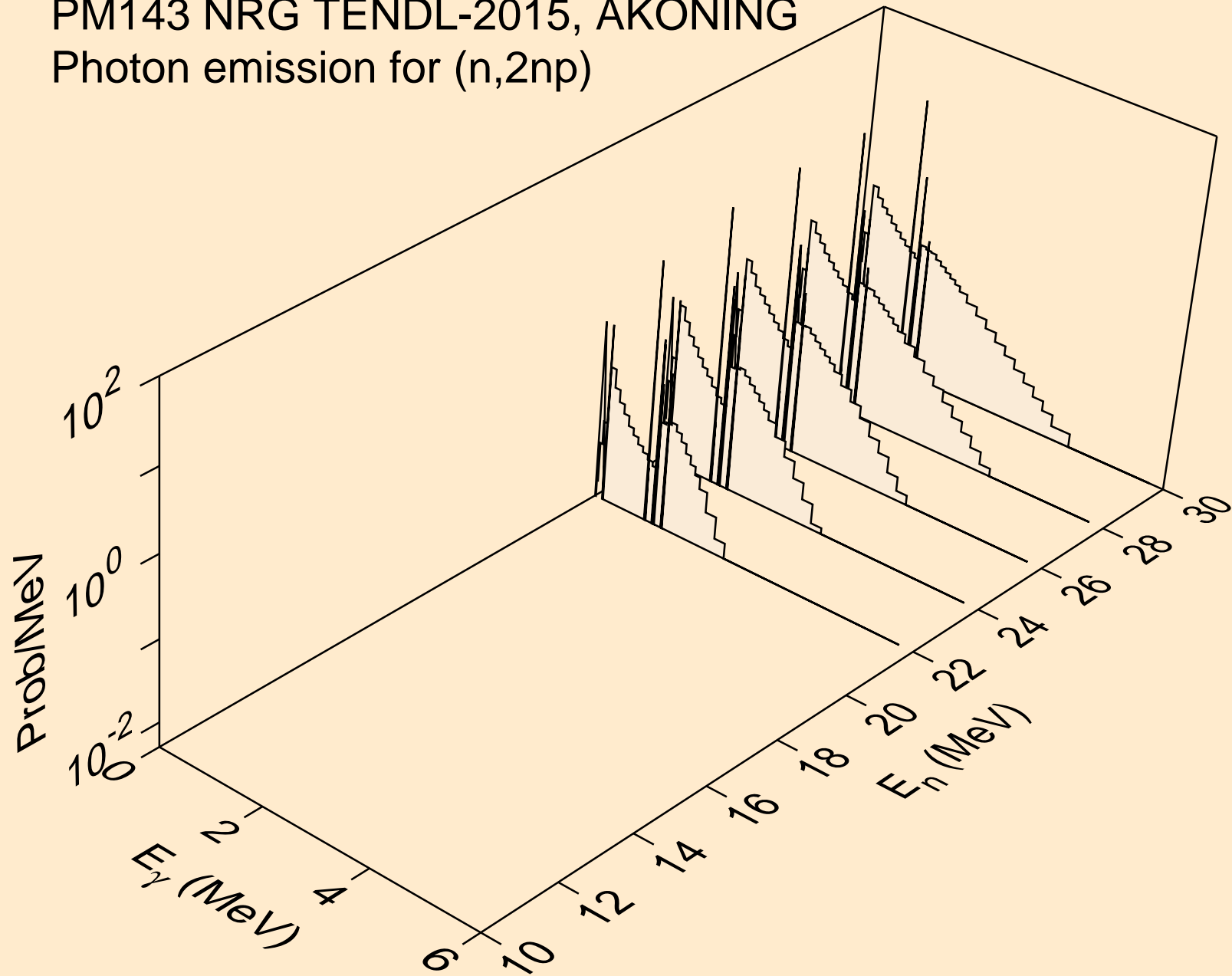
PM143 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



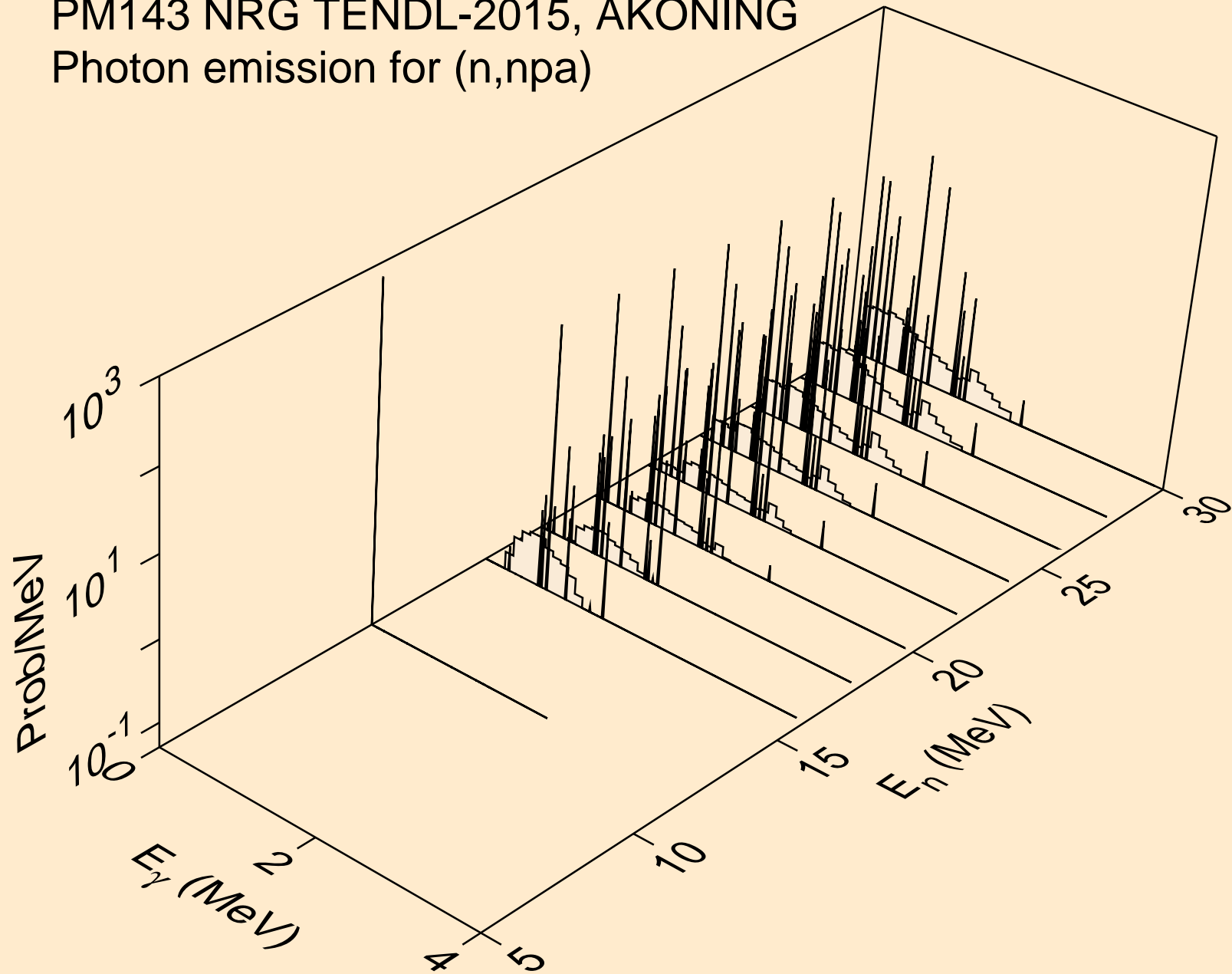
PM143 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



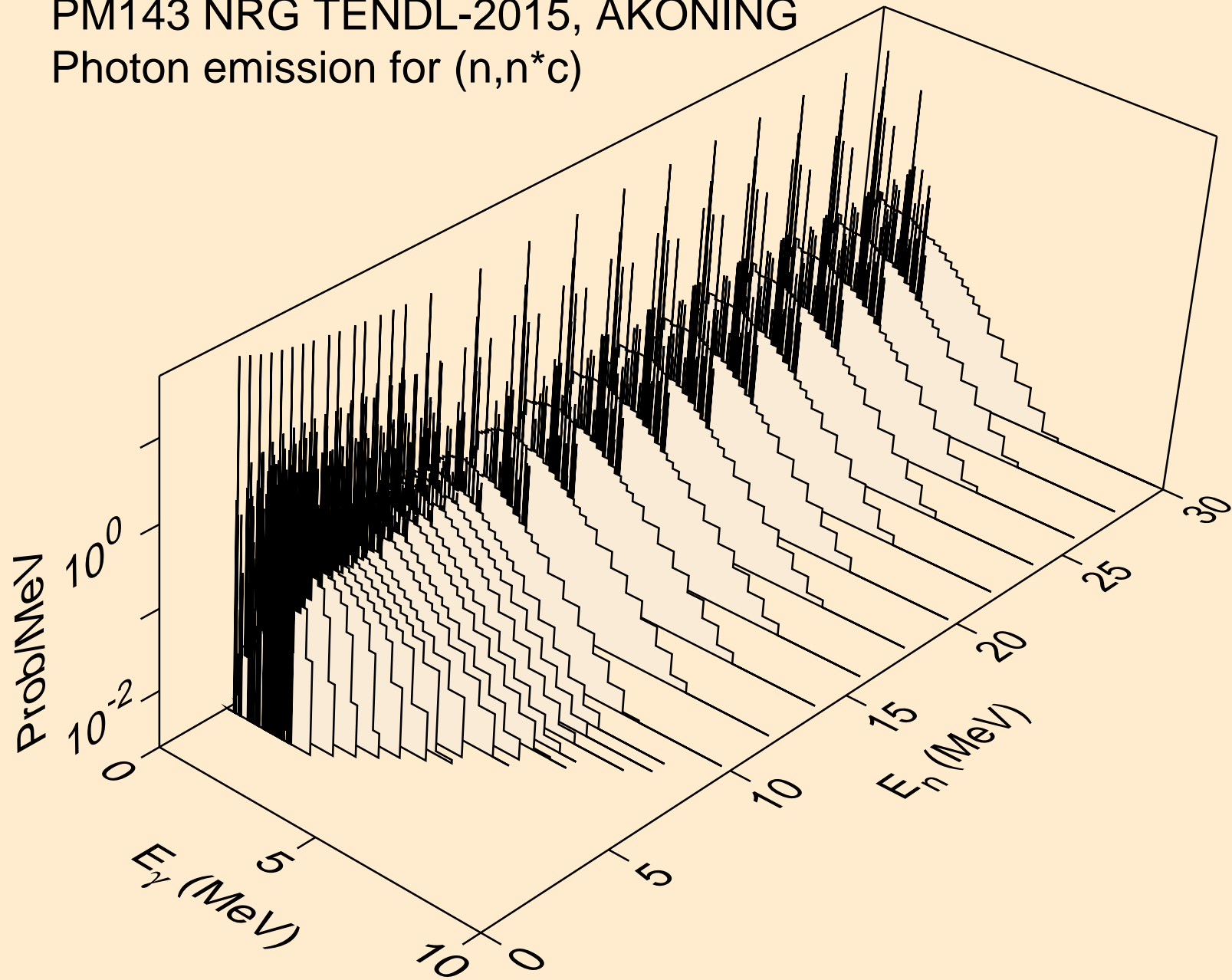
PM143 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



PM143 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)

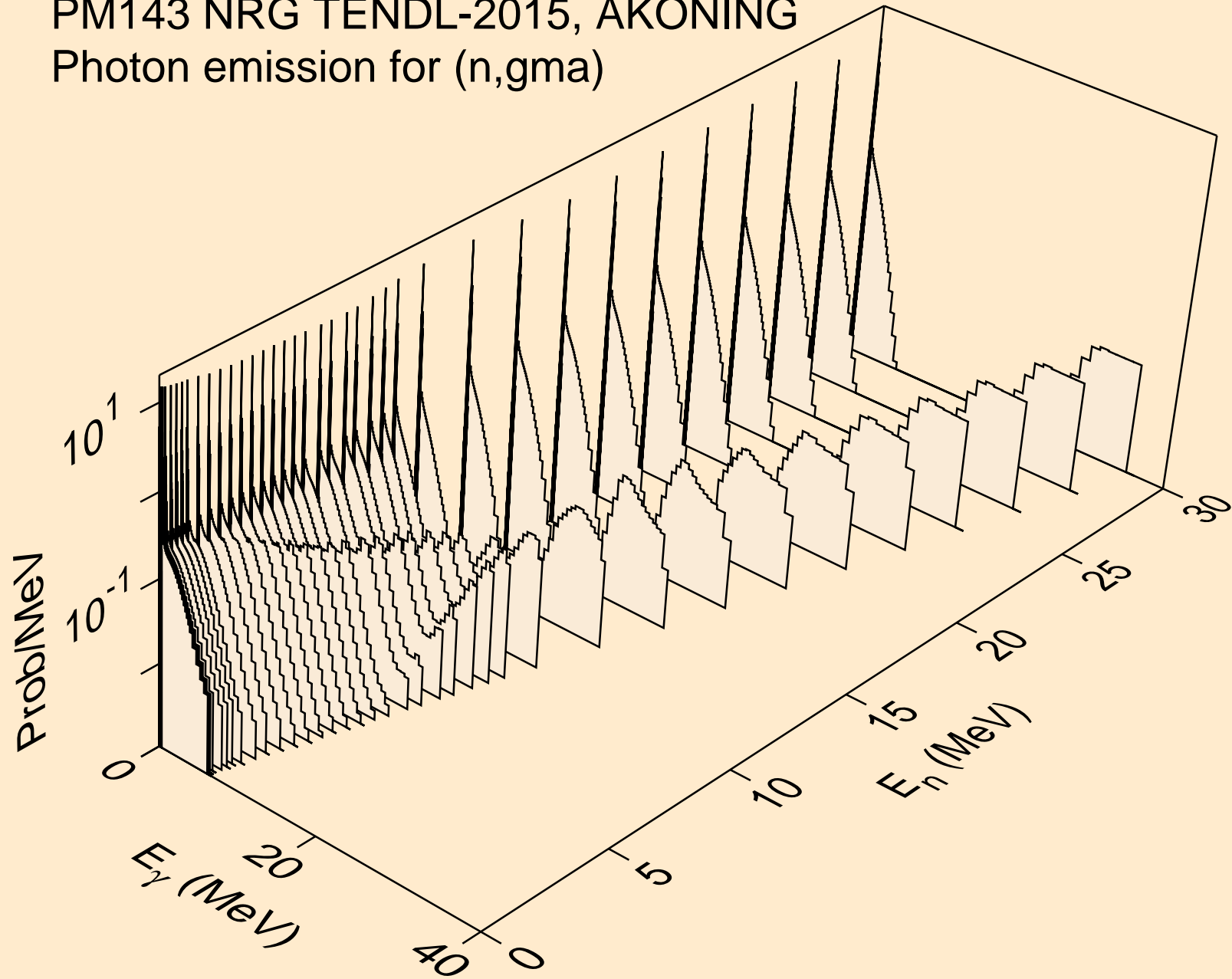


PM143 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)

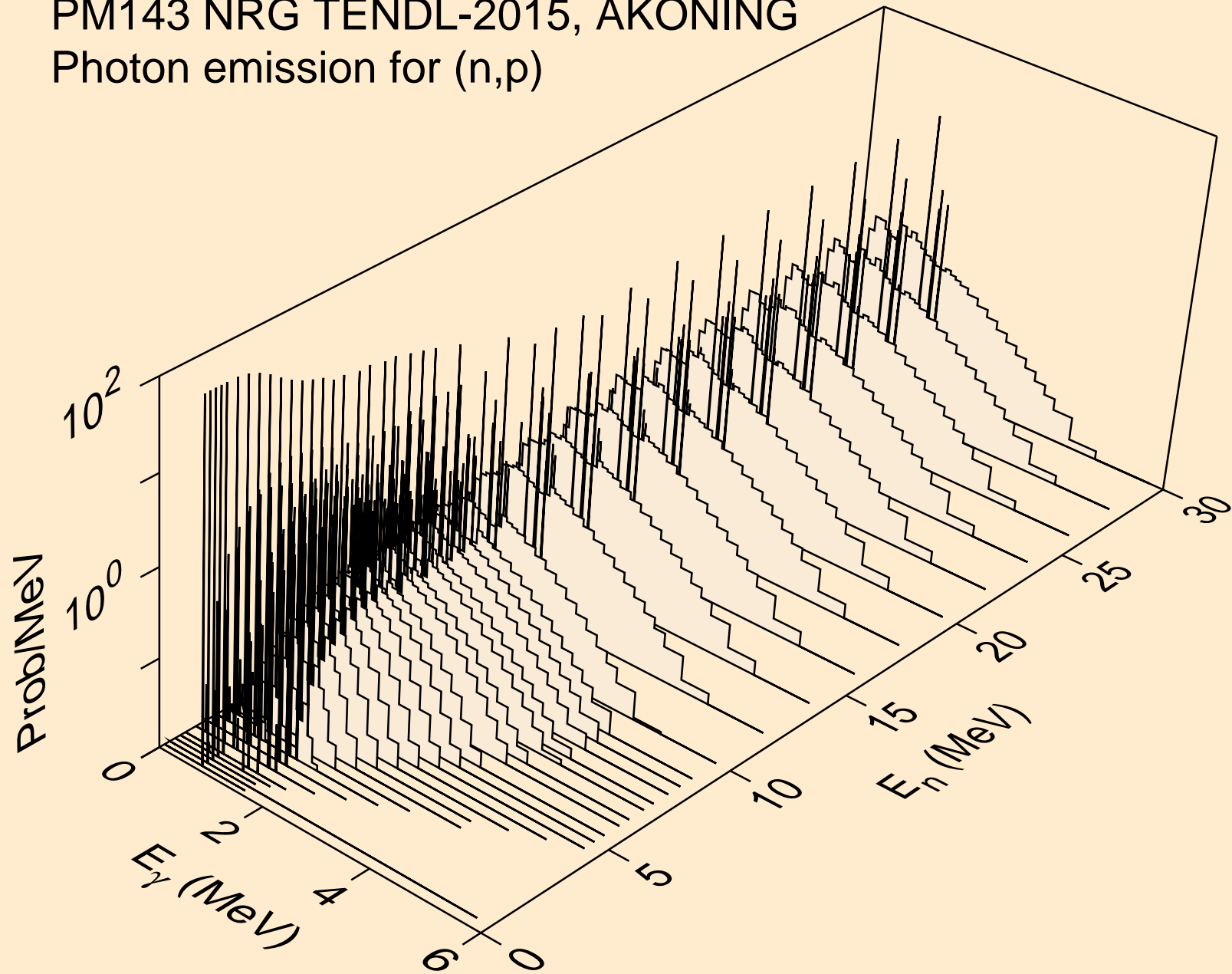




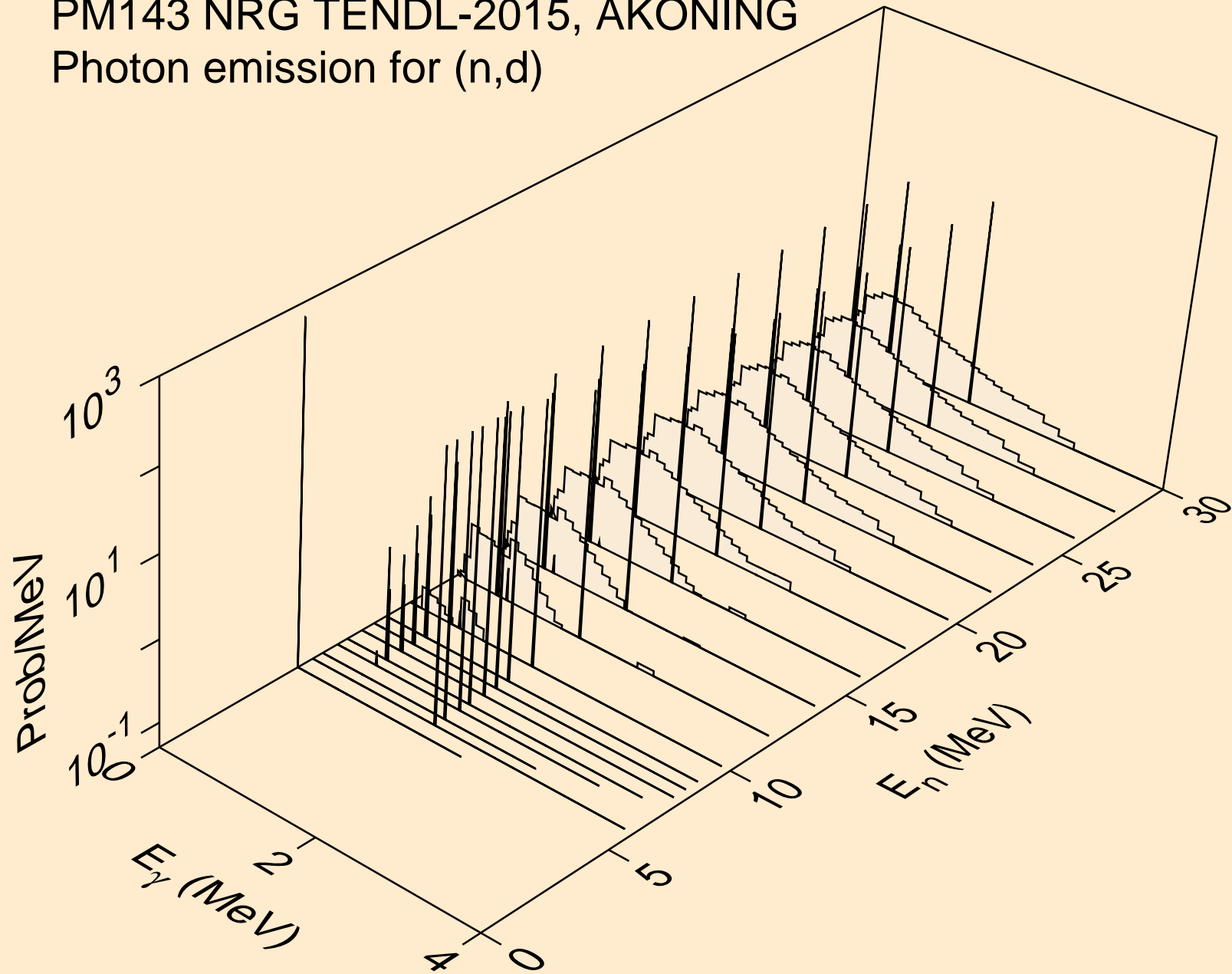
PM143 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



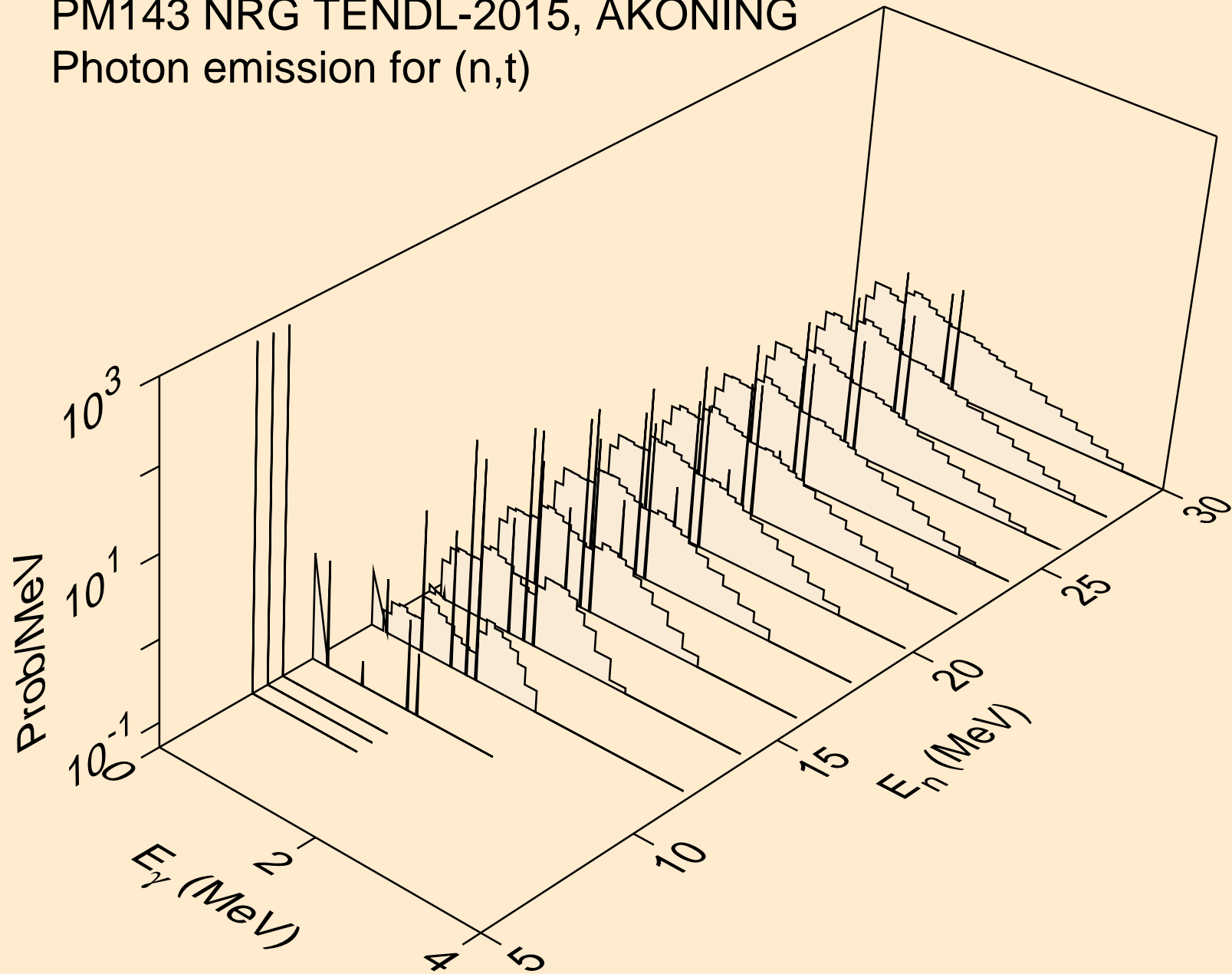
PM143 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



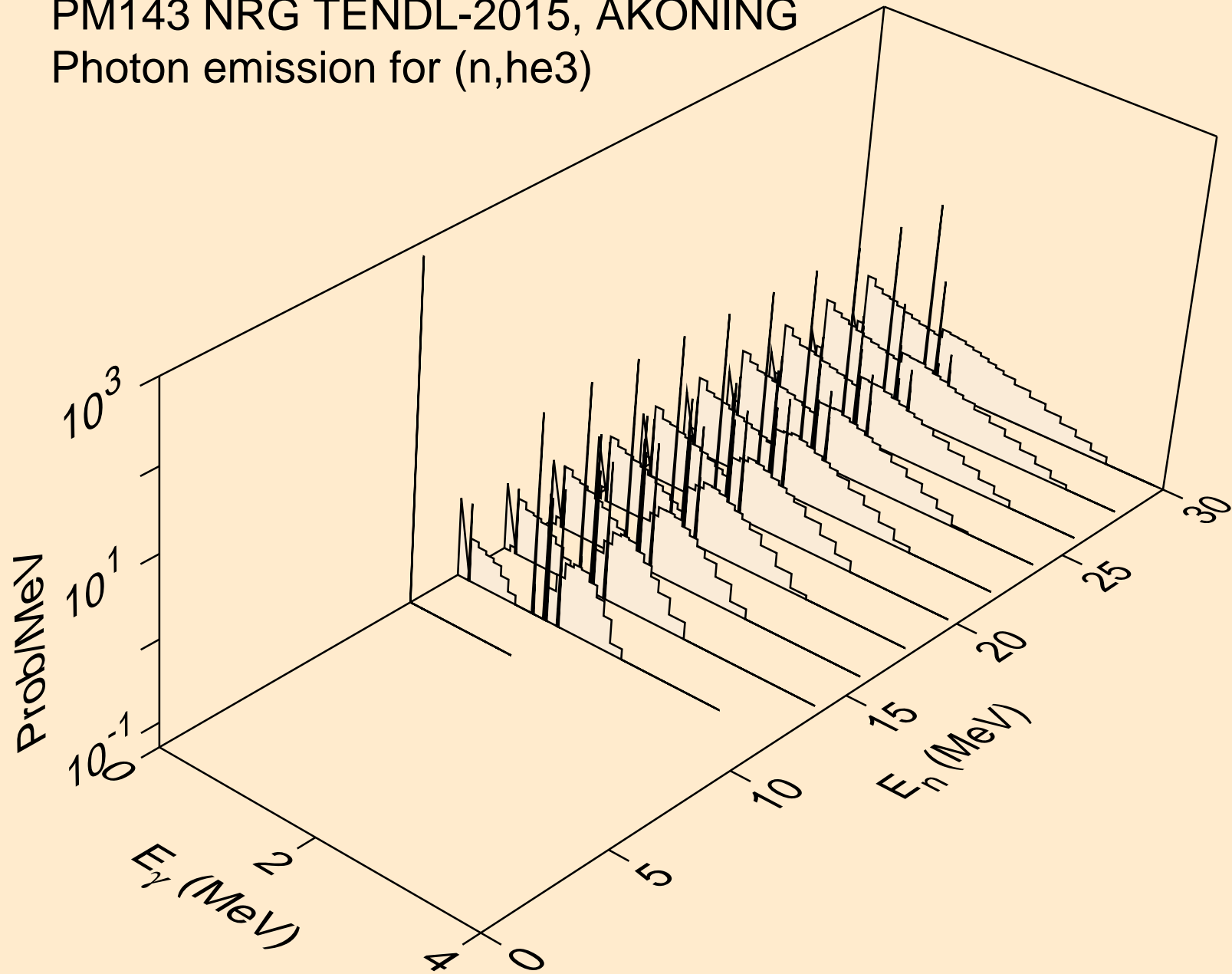
PM143 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



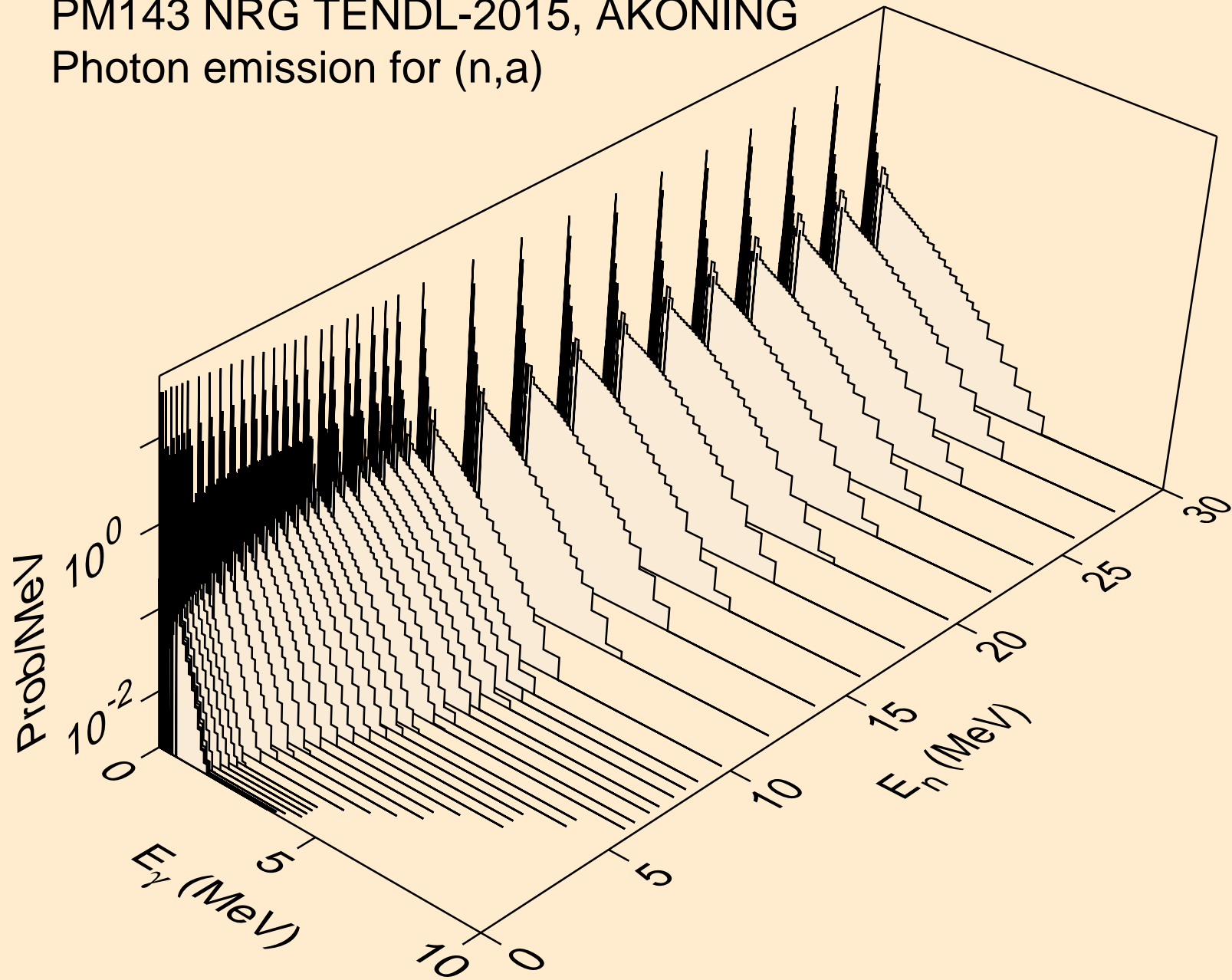
PM143 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



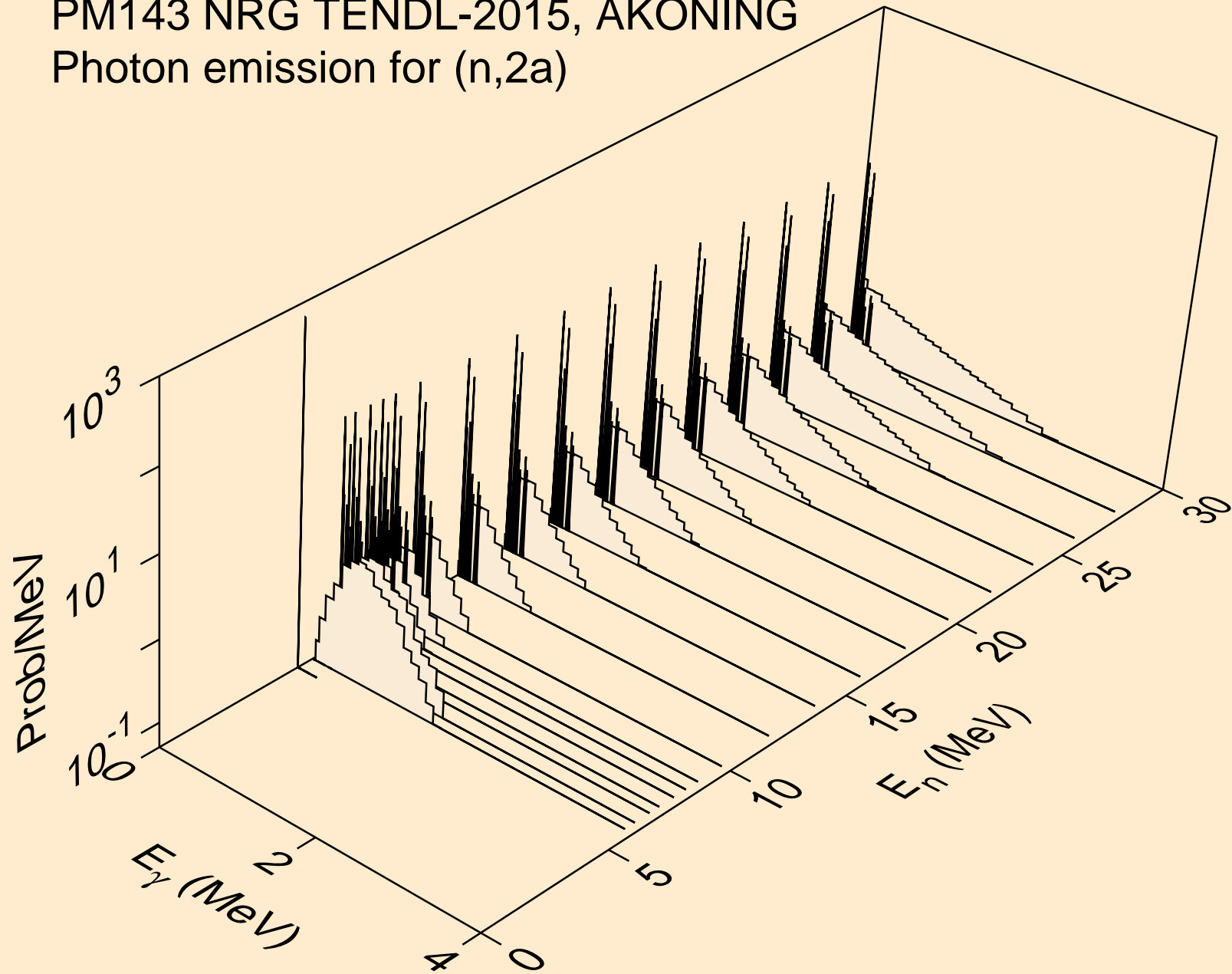
PM143 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



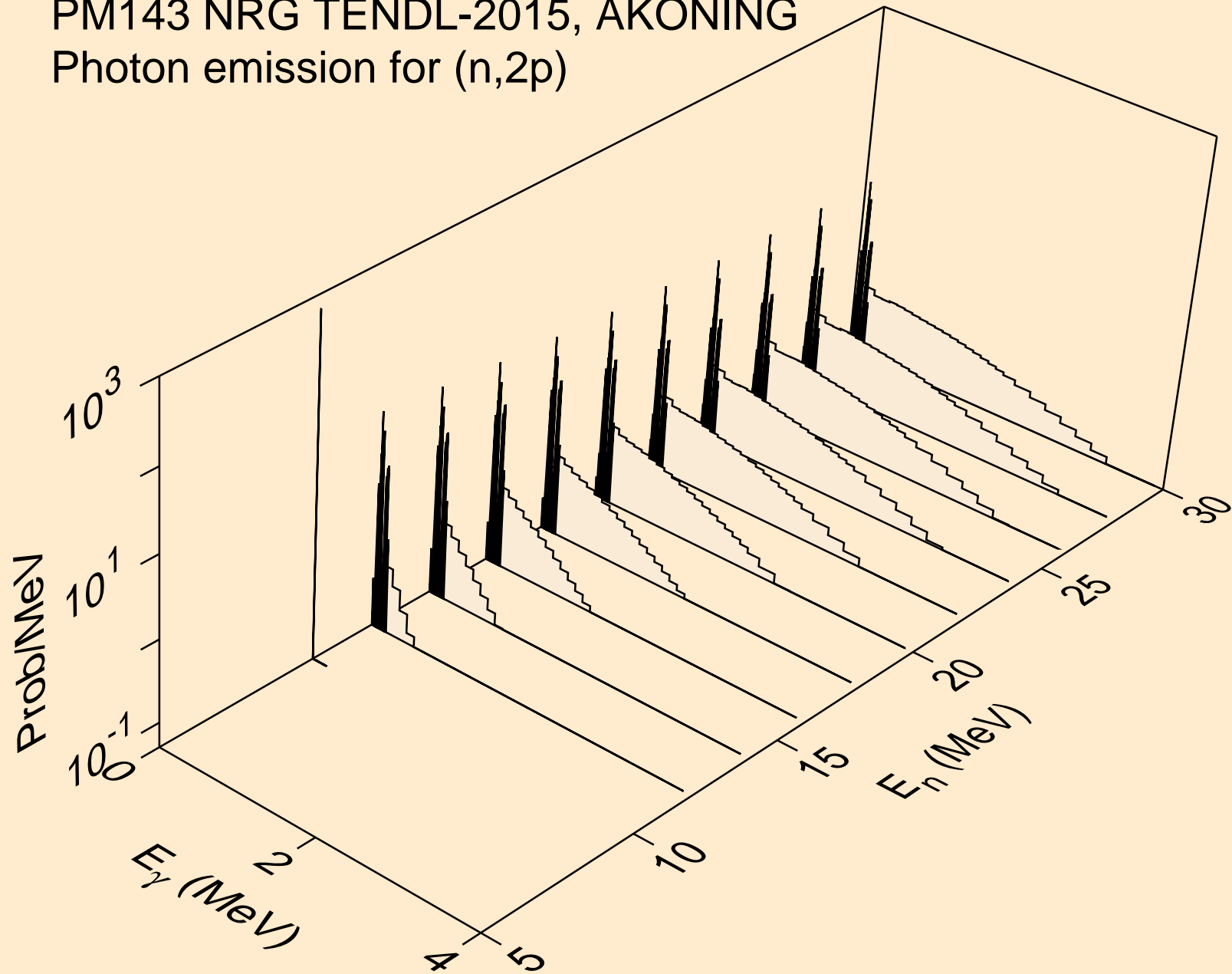
PM143 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



PM143 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)

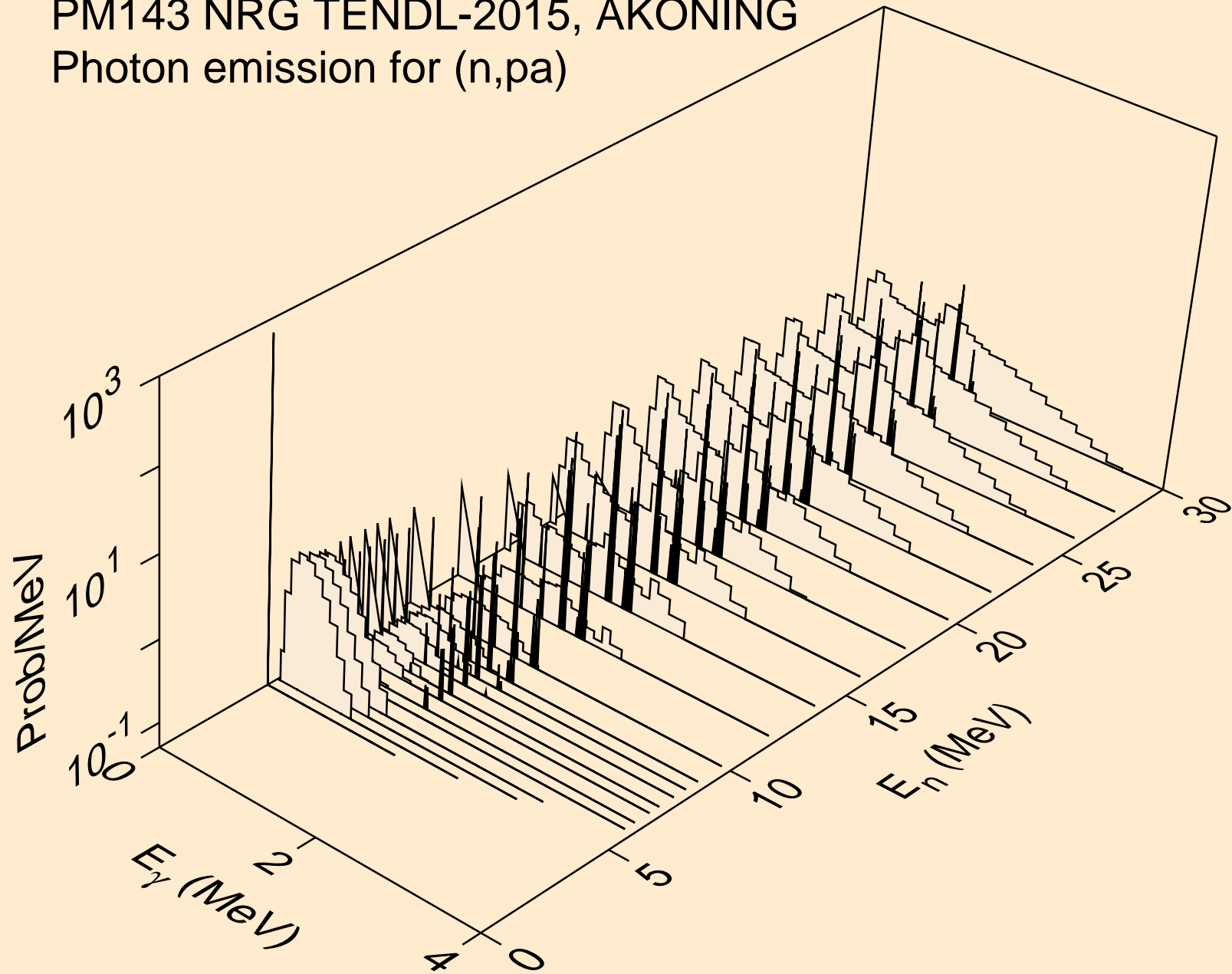


PM143 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)

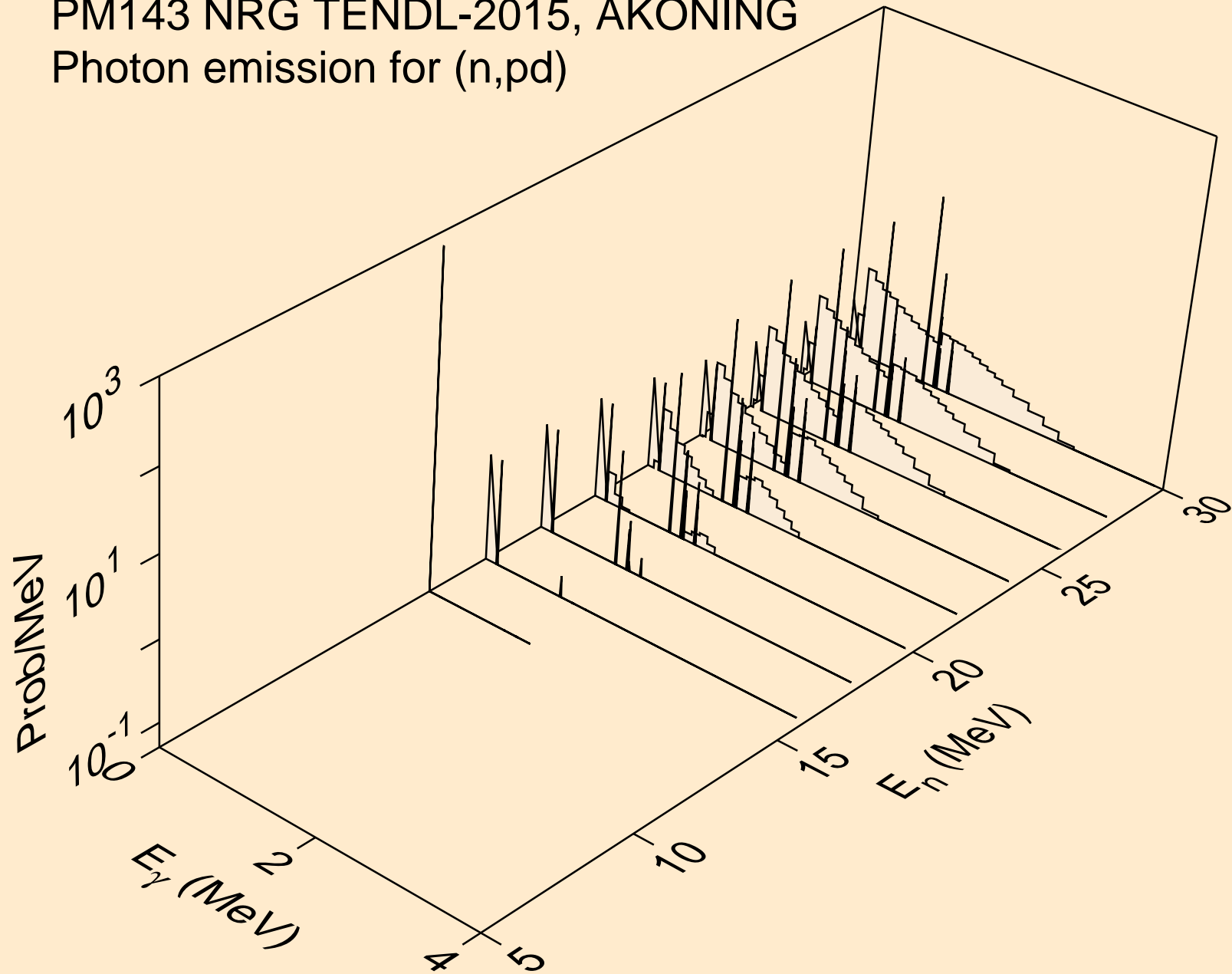




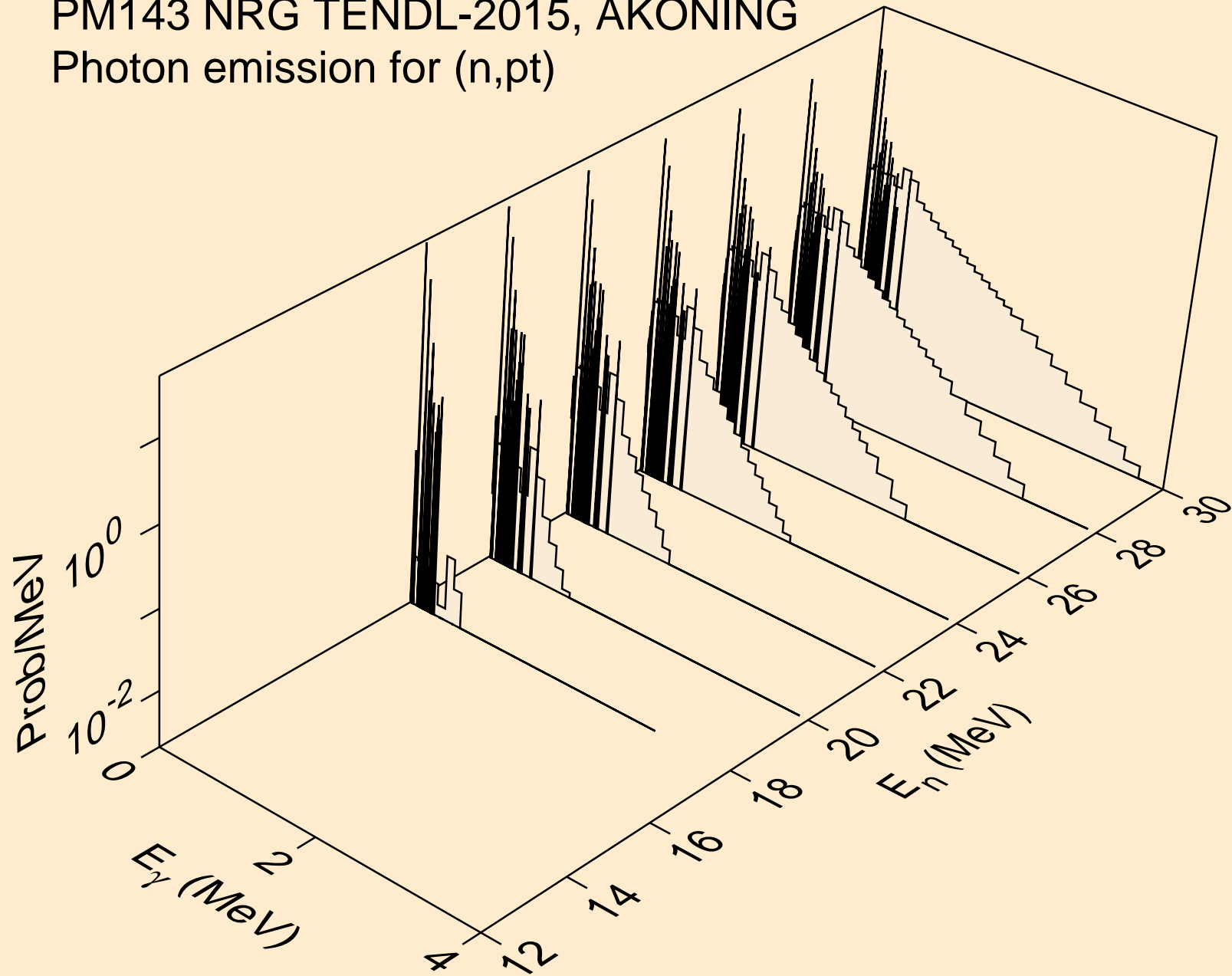
PM143 NRG TENDL-2015, AKONING  
Photon emission for (n,pa)



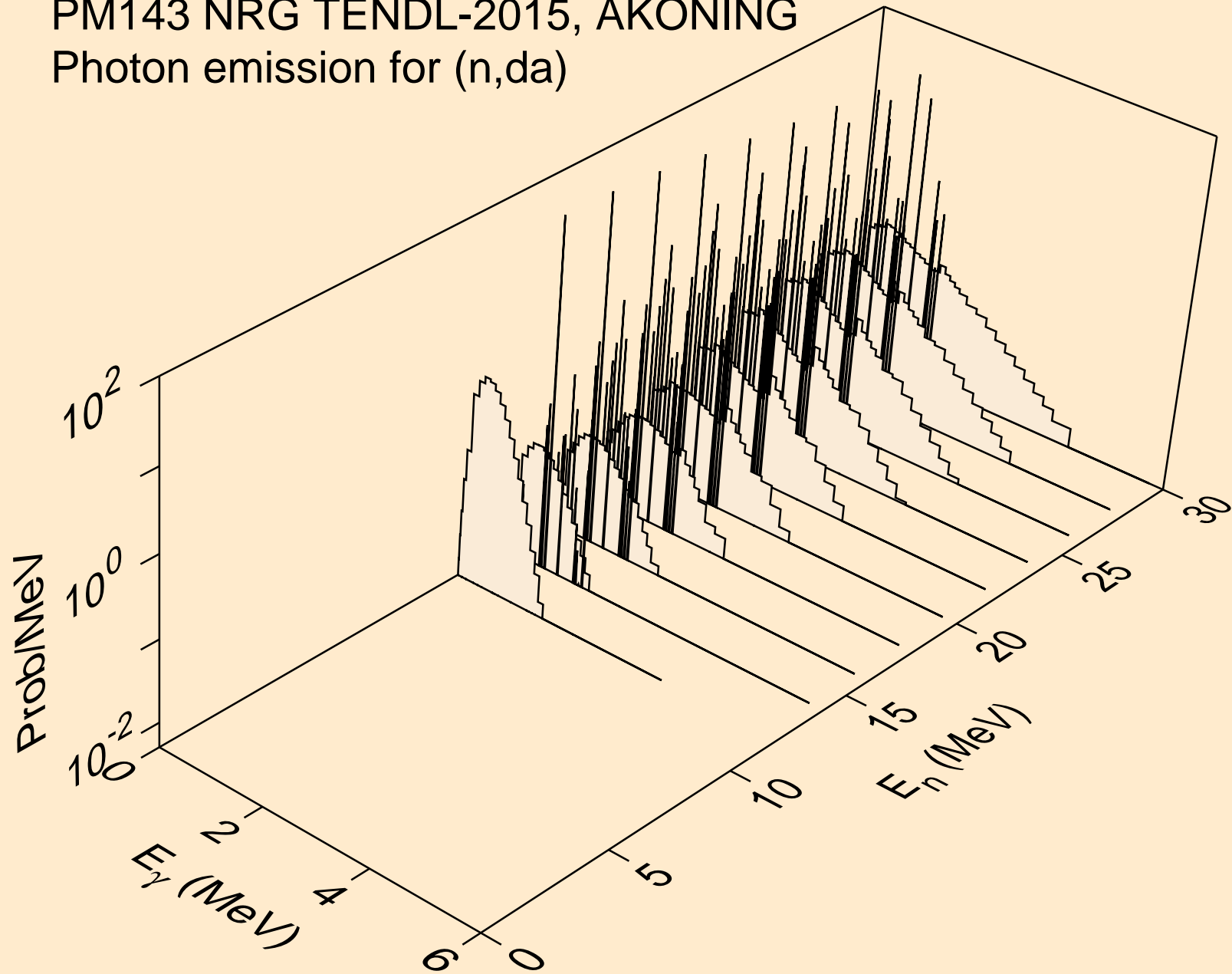
PM143 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



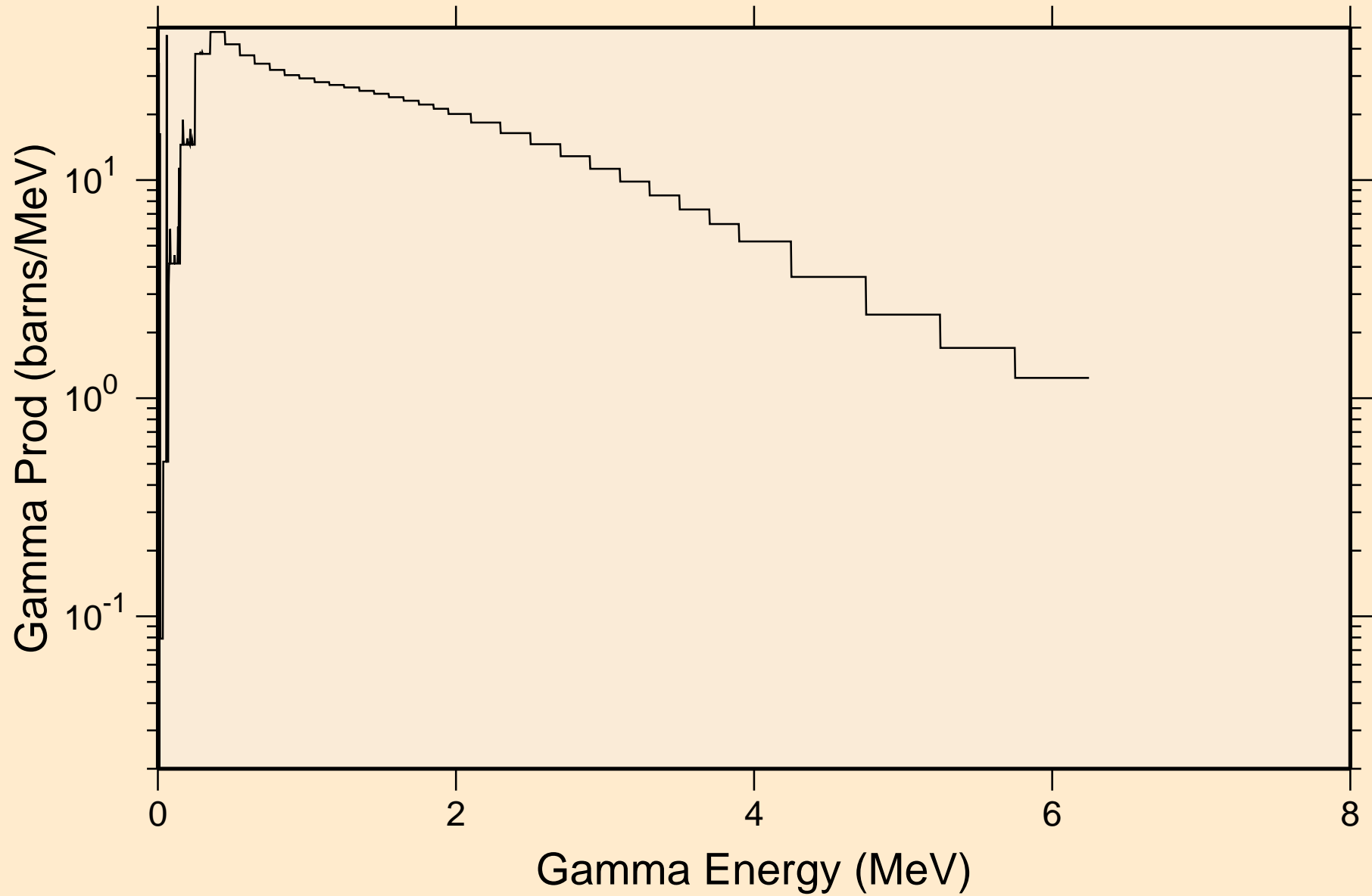
PM143 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



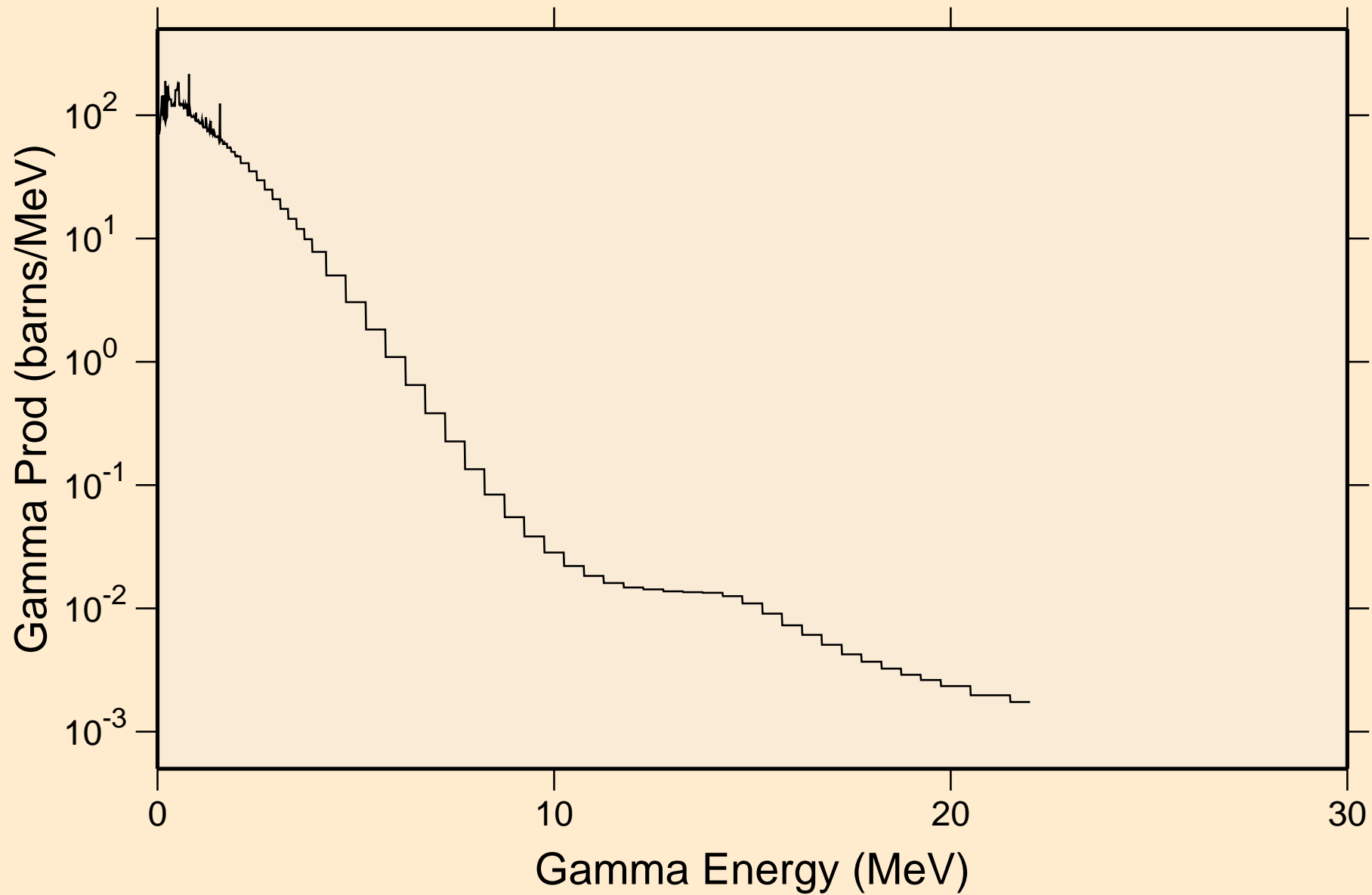
PM143 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



PM143 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

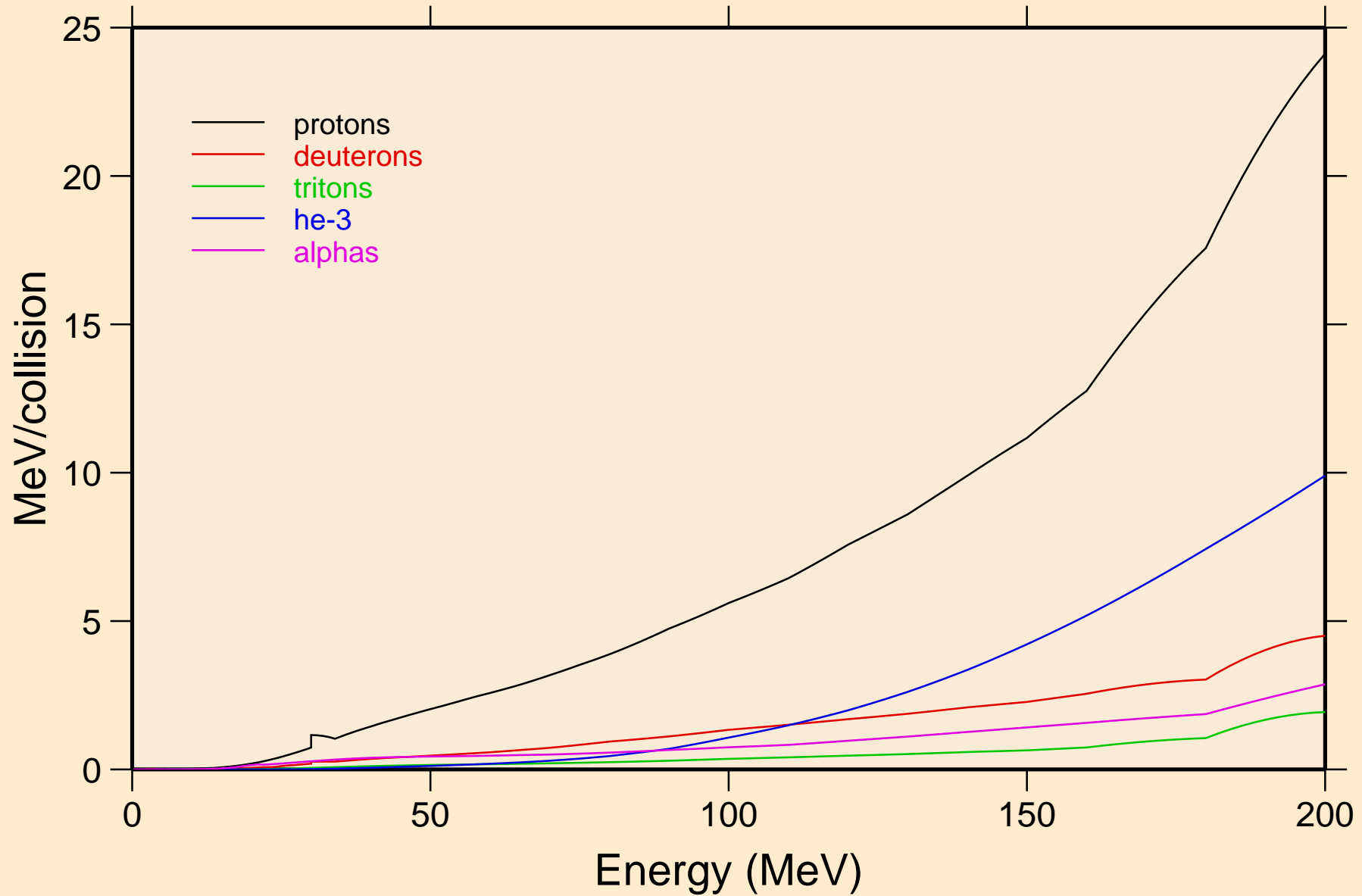


PM143 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



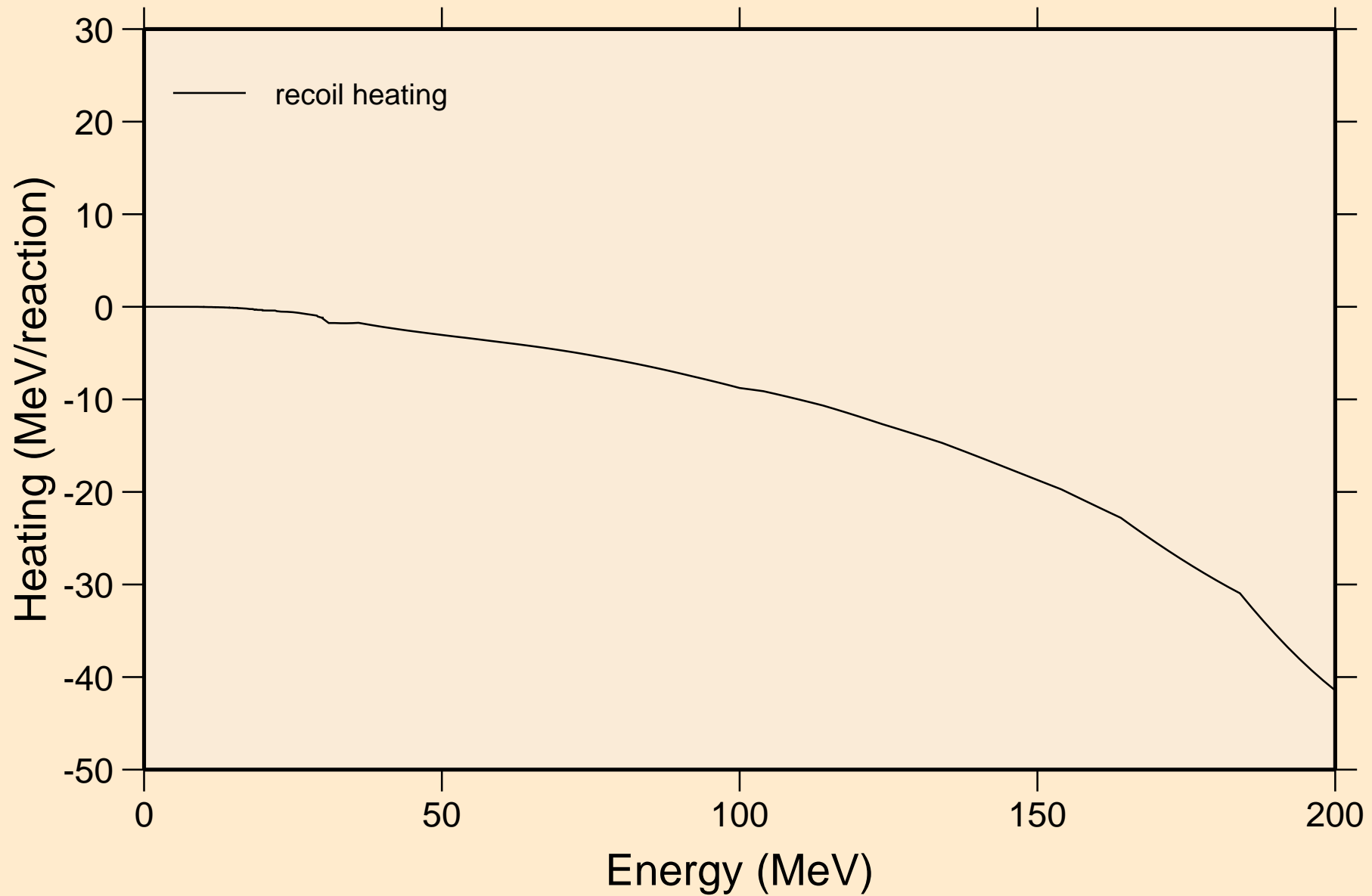
# PM143 NRG TENDL-2015, AKONING

## Particle heating contributions



# PM143 NRG TENDL-2015, AKONING

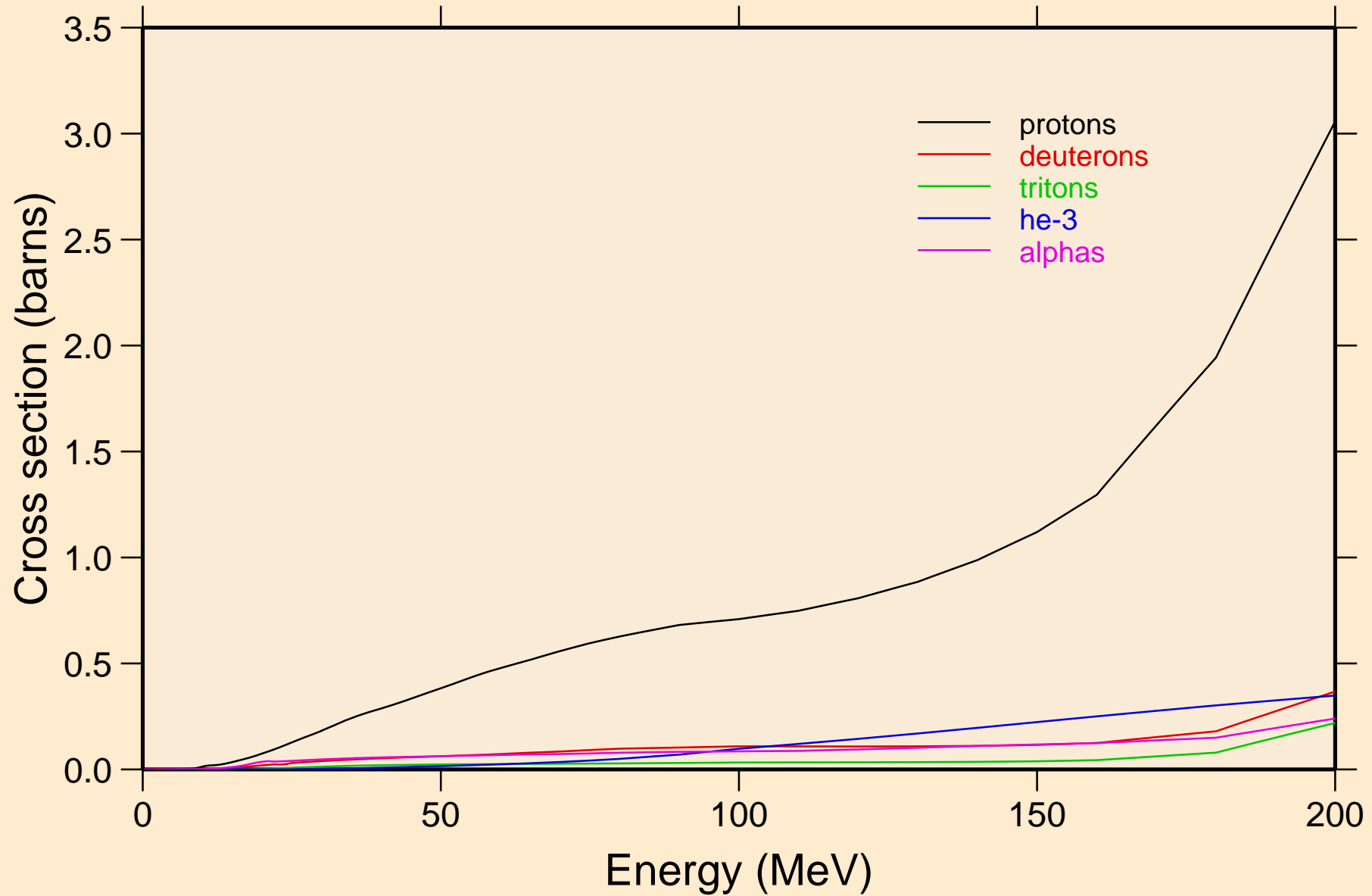
## Recoil Heating



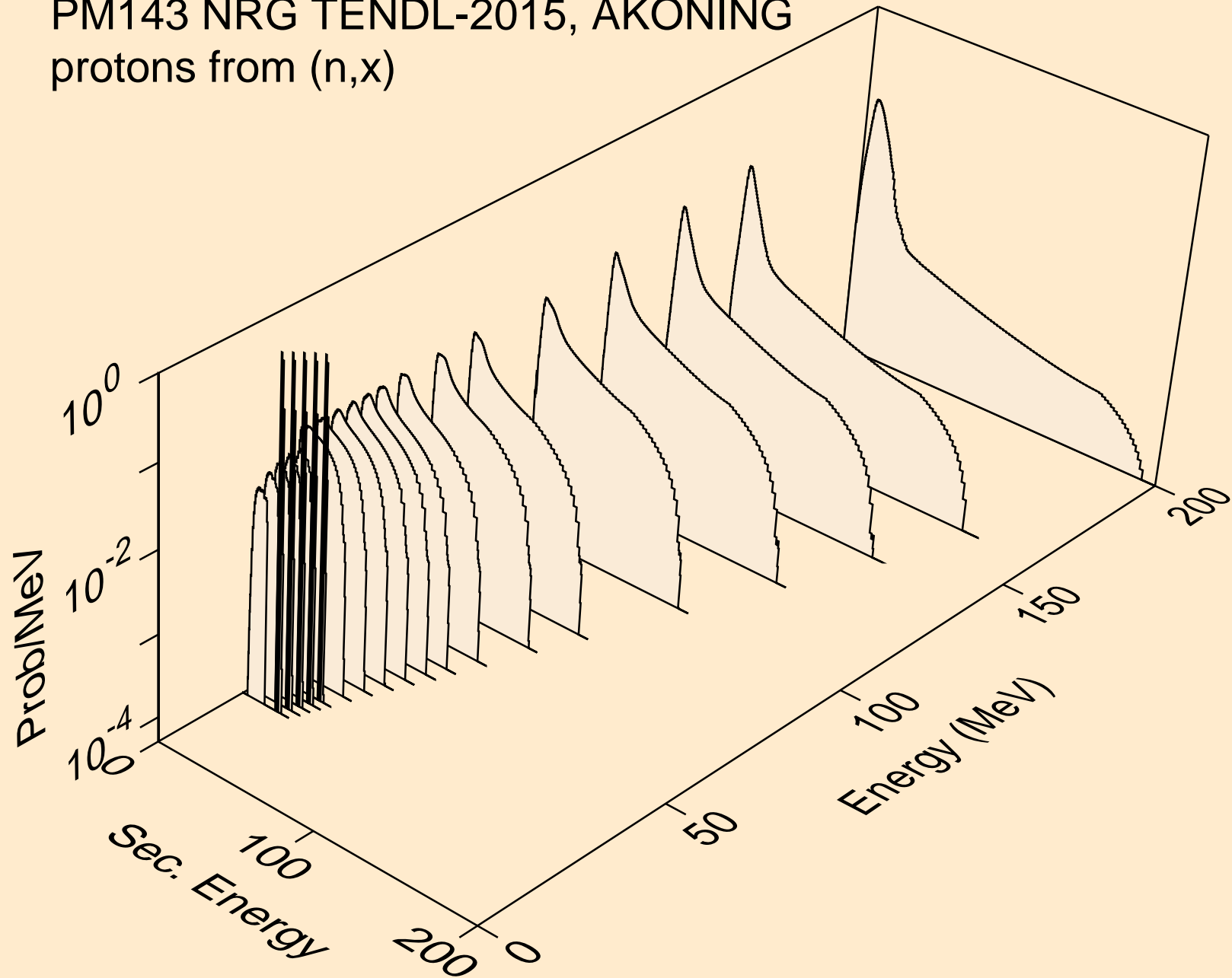


# PM143 NRG TENDL-2015, AKONING

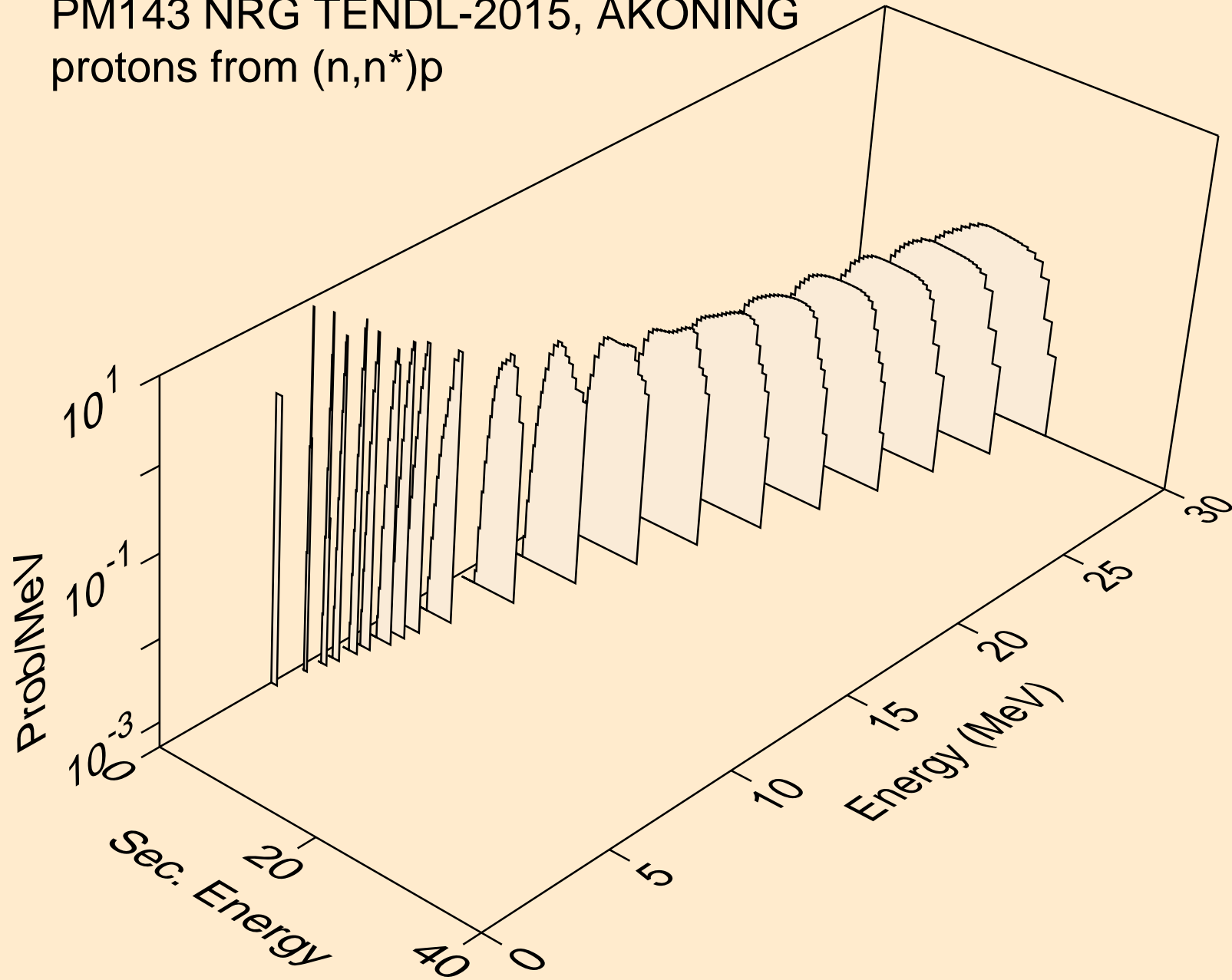
## Particle production cross sections



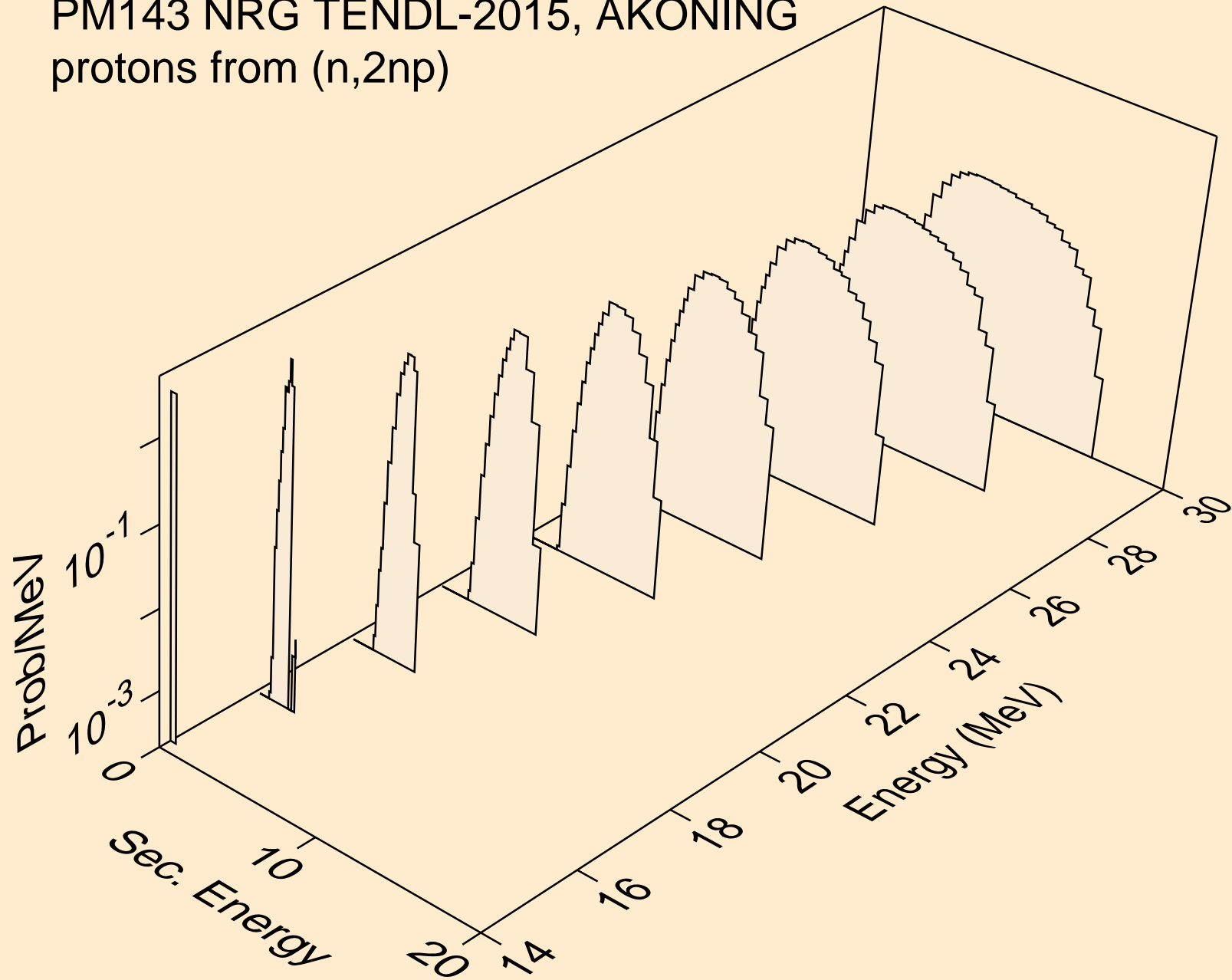
PM143 NRG TENDL-2015, AKONING  
protons from (n,x)



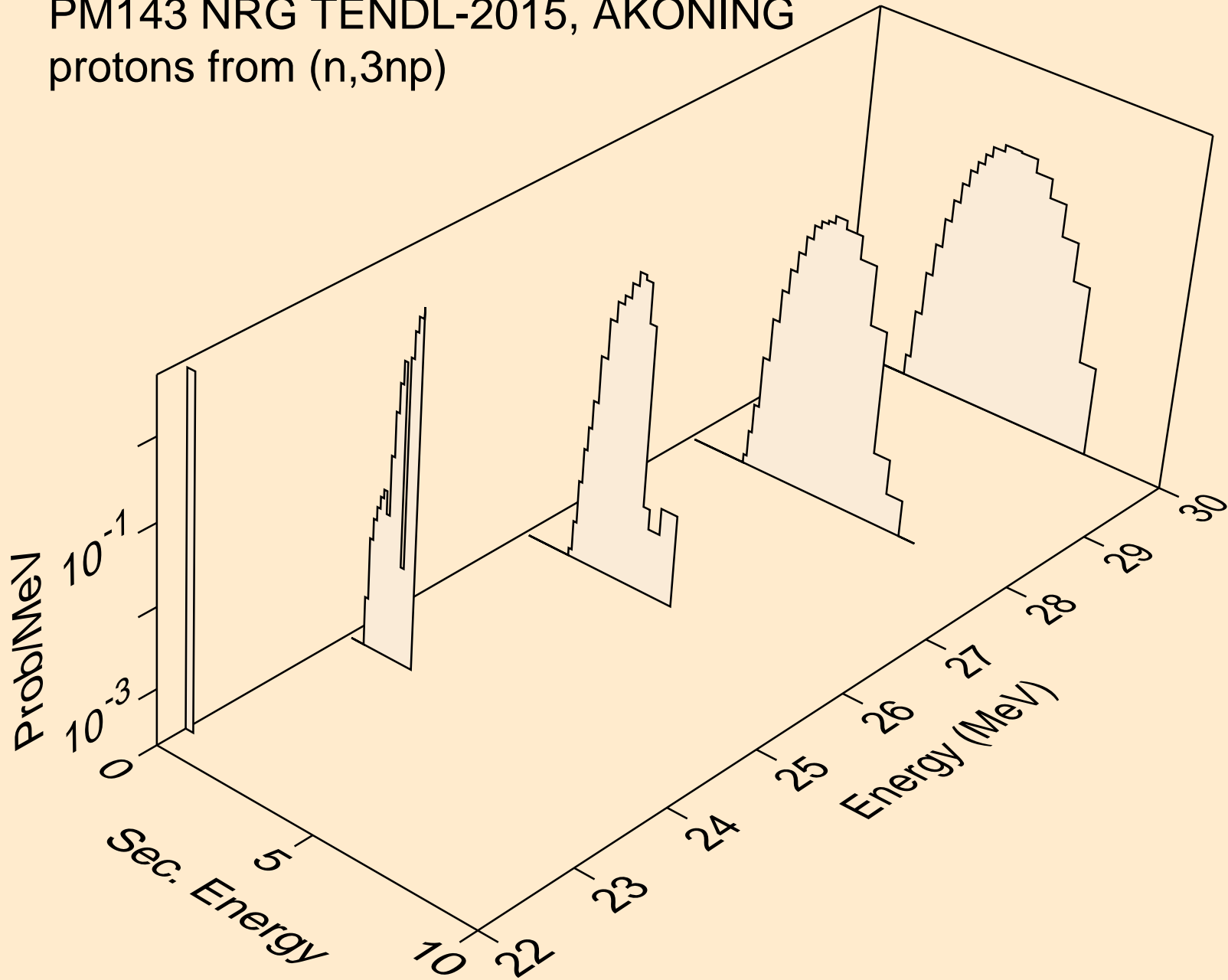
PM143 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



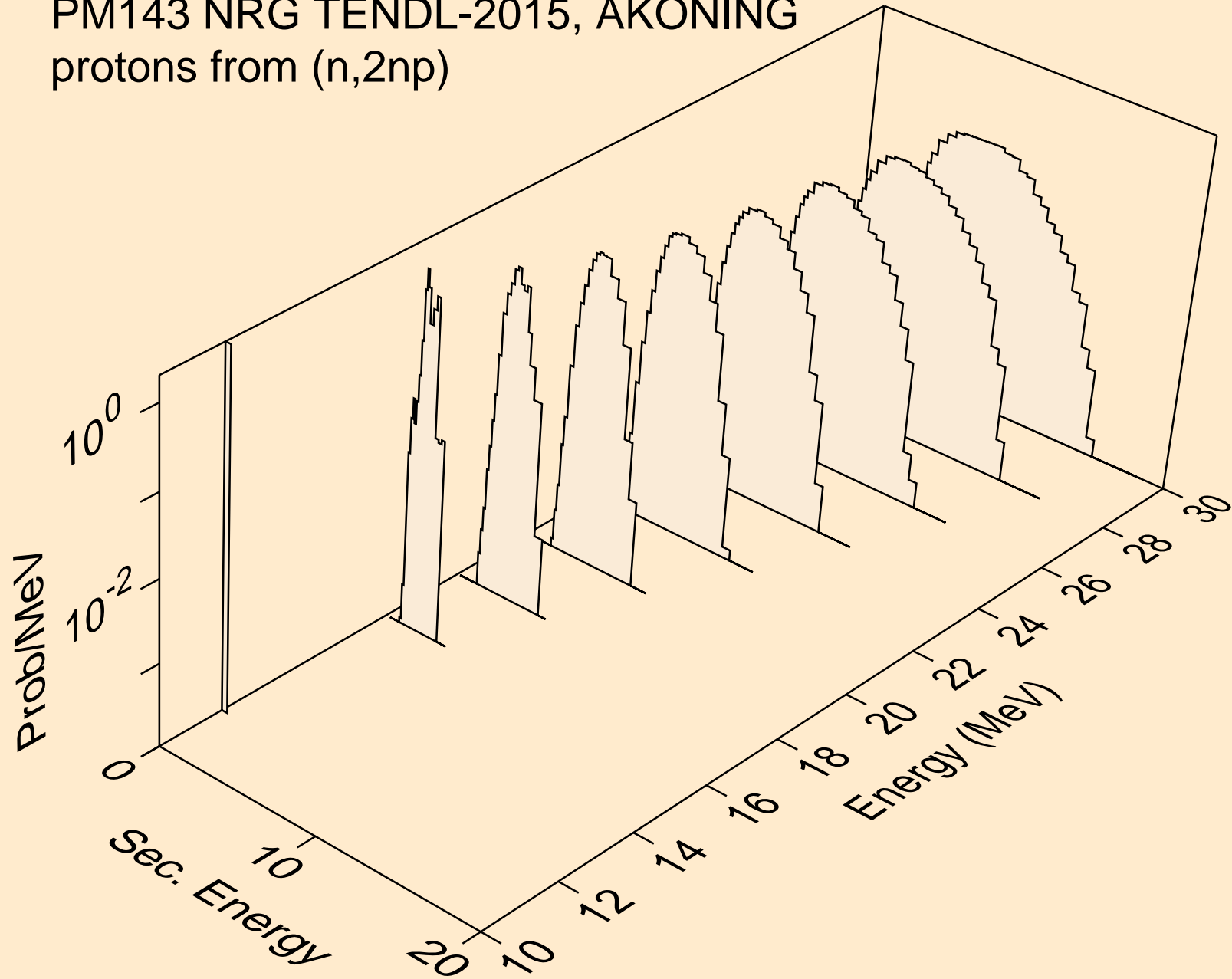
PM143 NRG TENDL-2015, AKONING  
protons from (n,2np)



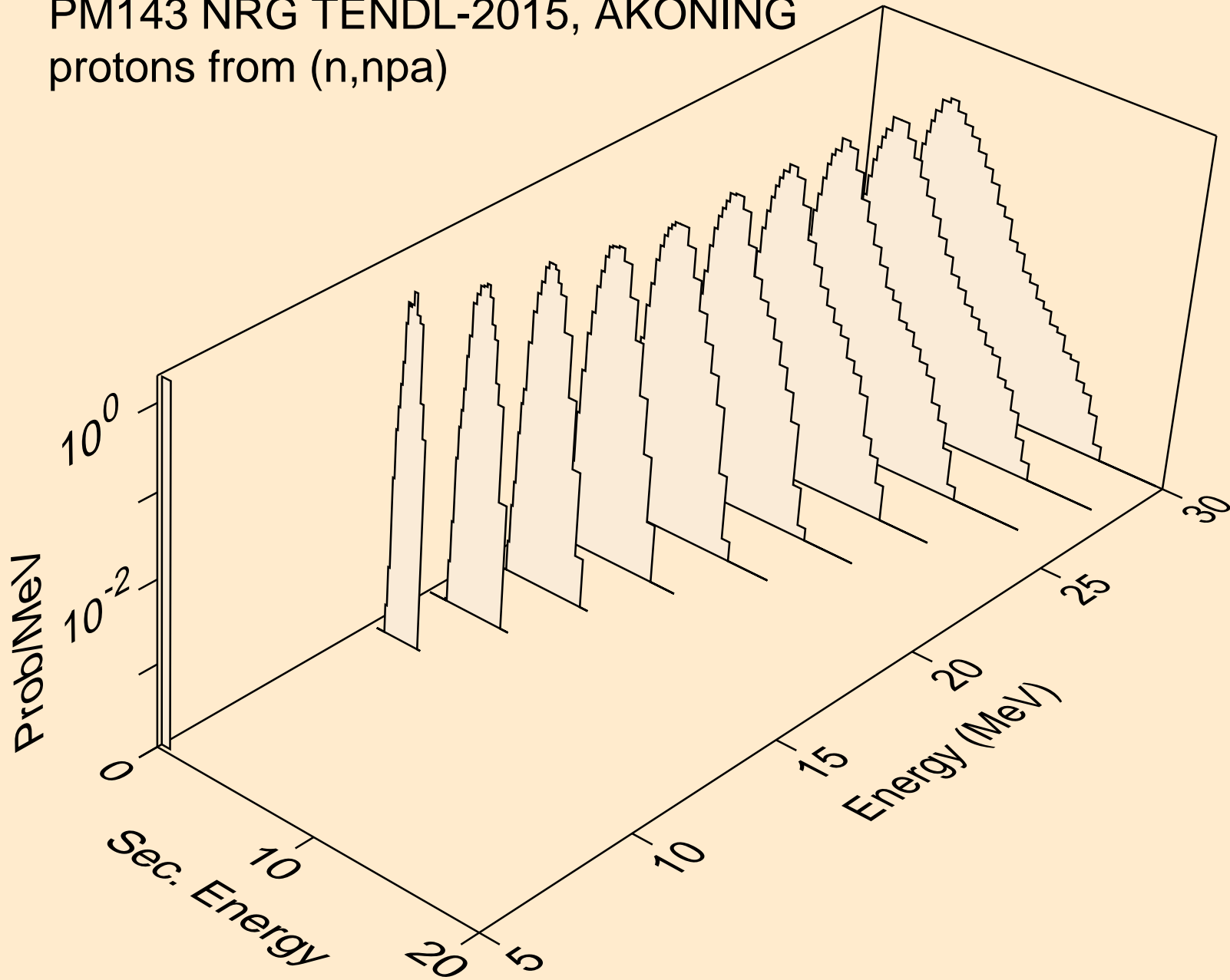
PM143 NRG TENDL-2015, AKONING  
protons from (n,3np)



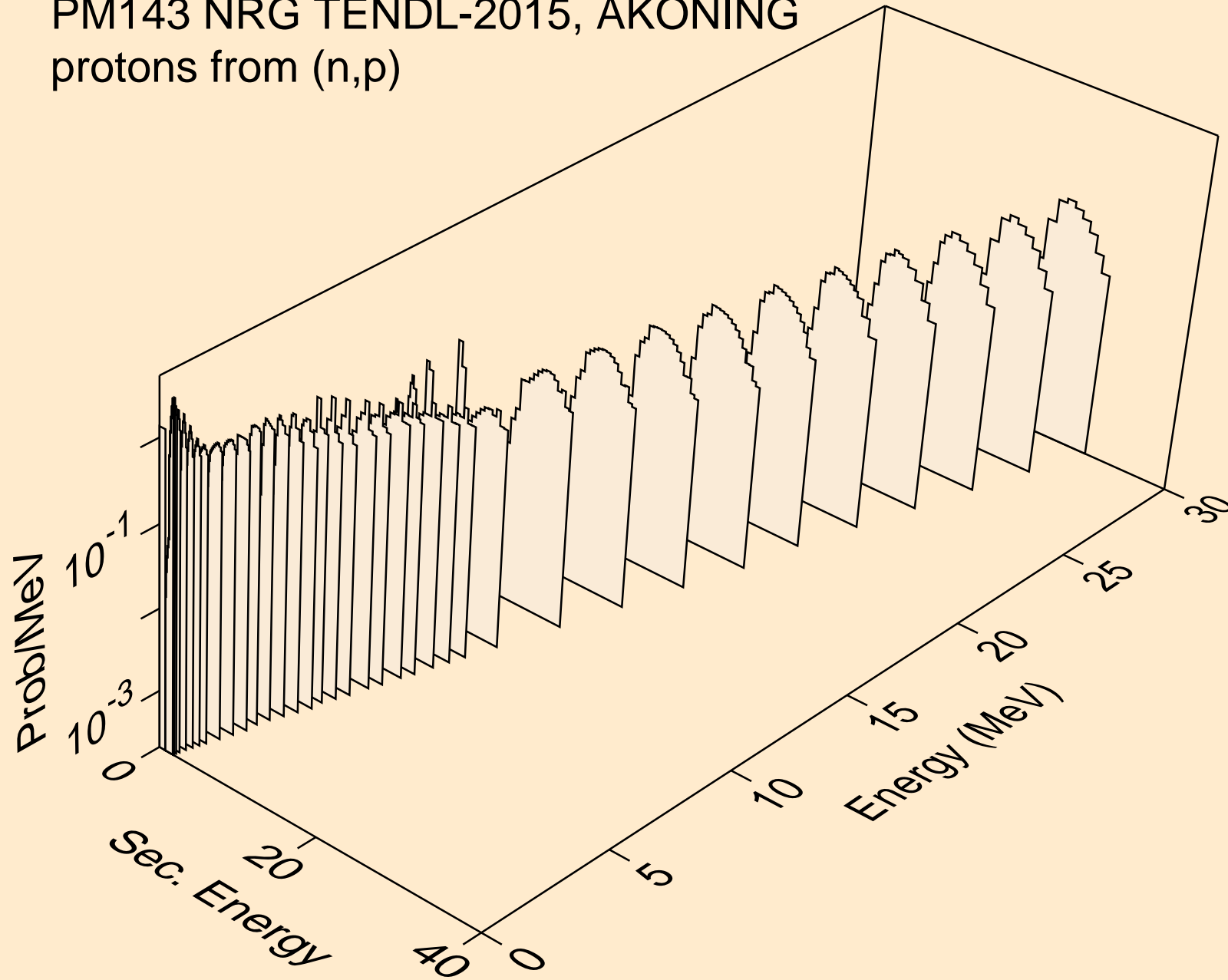
PM143 NRG TENDL-2015, AKONING  
protons from (n,2np)



PM143 NRG TENDL-2015, AKONING  
protons from (n,npa)

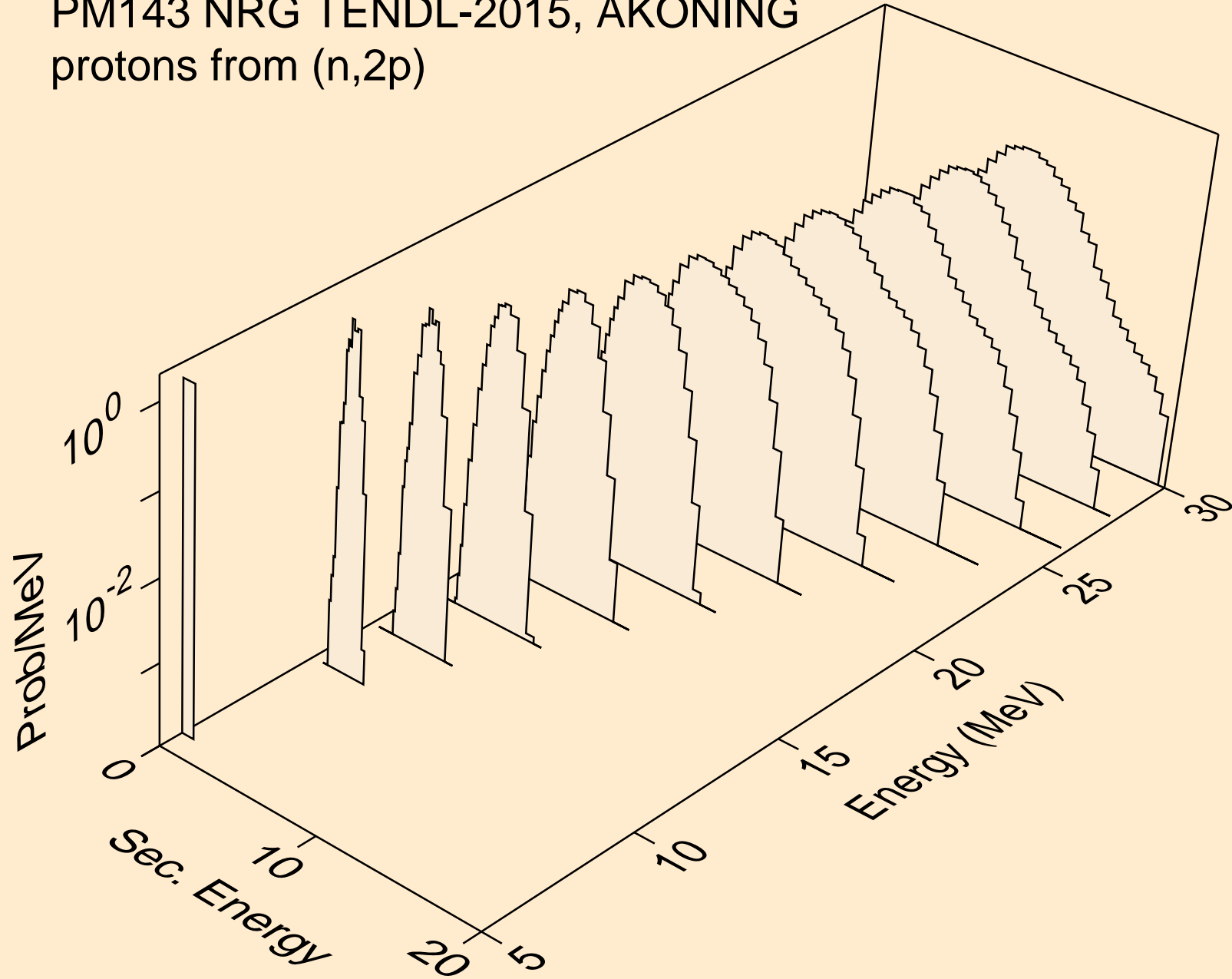


PM143 NRG TENDL-2015, AKONING  
protons from (n,p)

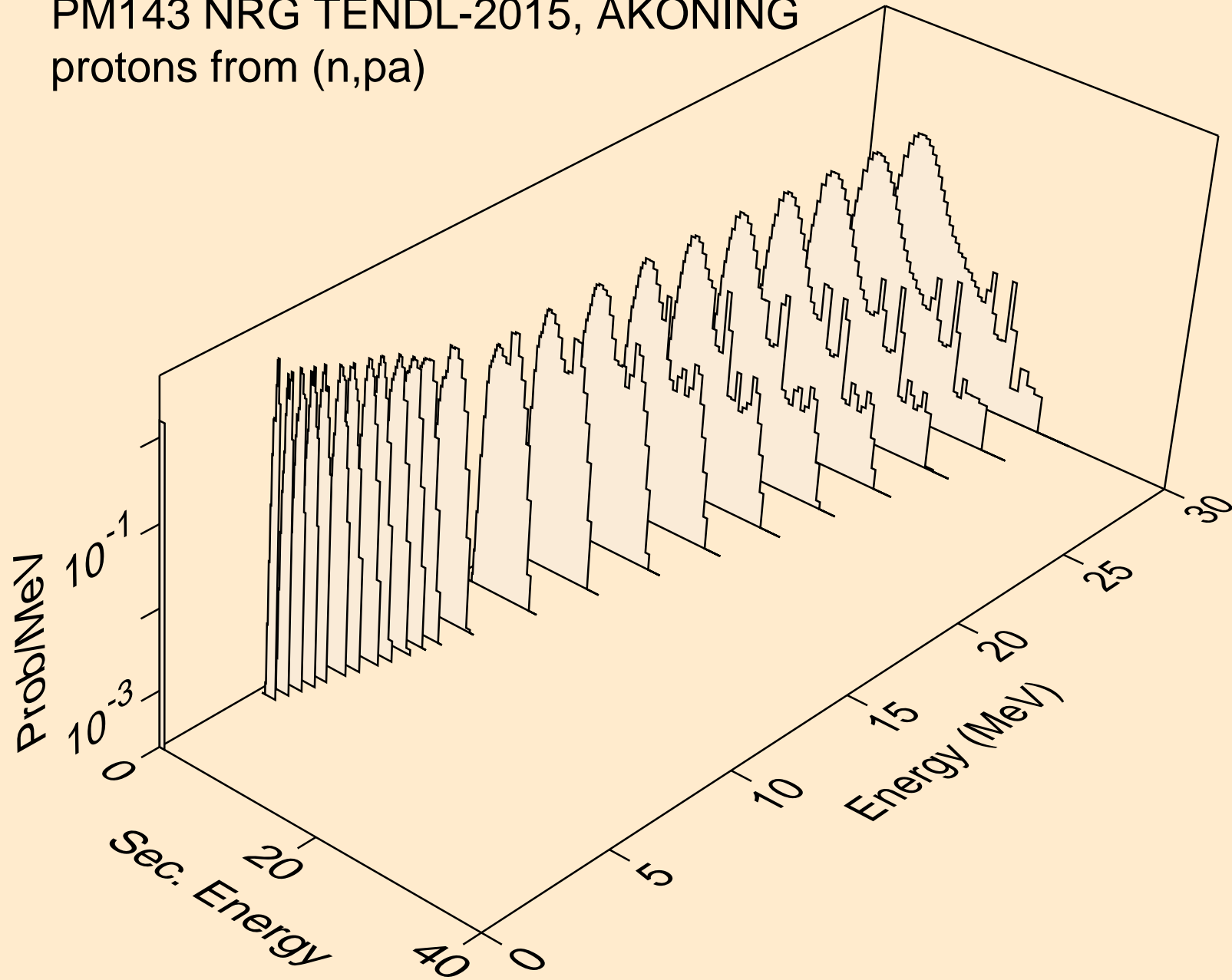




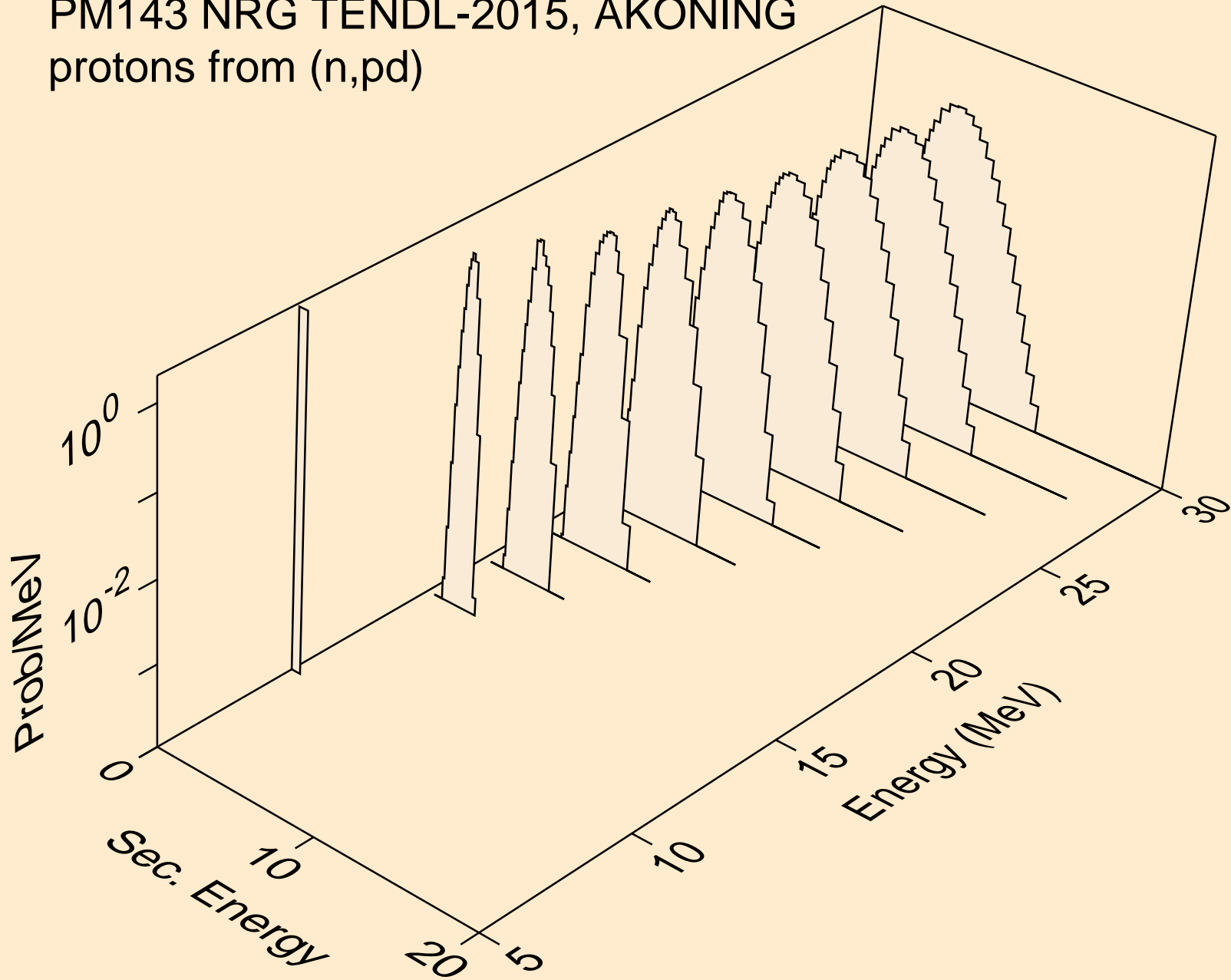
PM143 NRG TENDL-2015, AKONING  
protons from (n,2p)



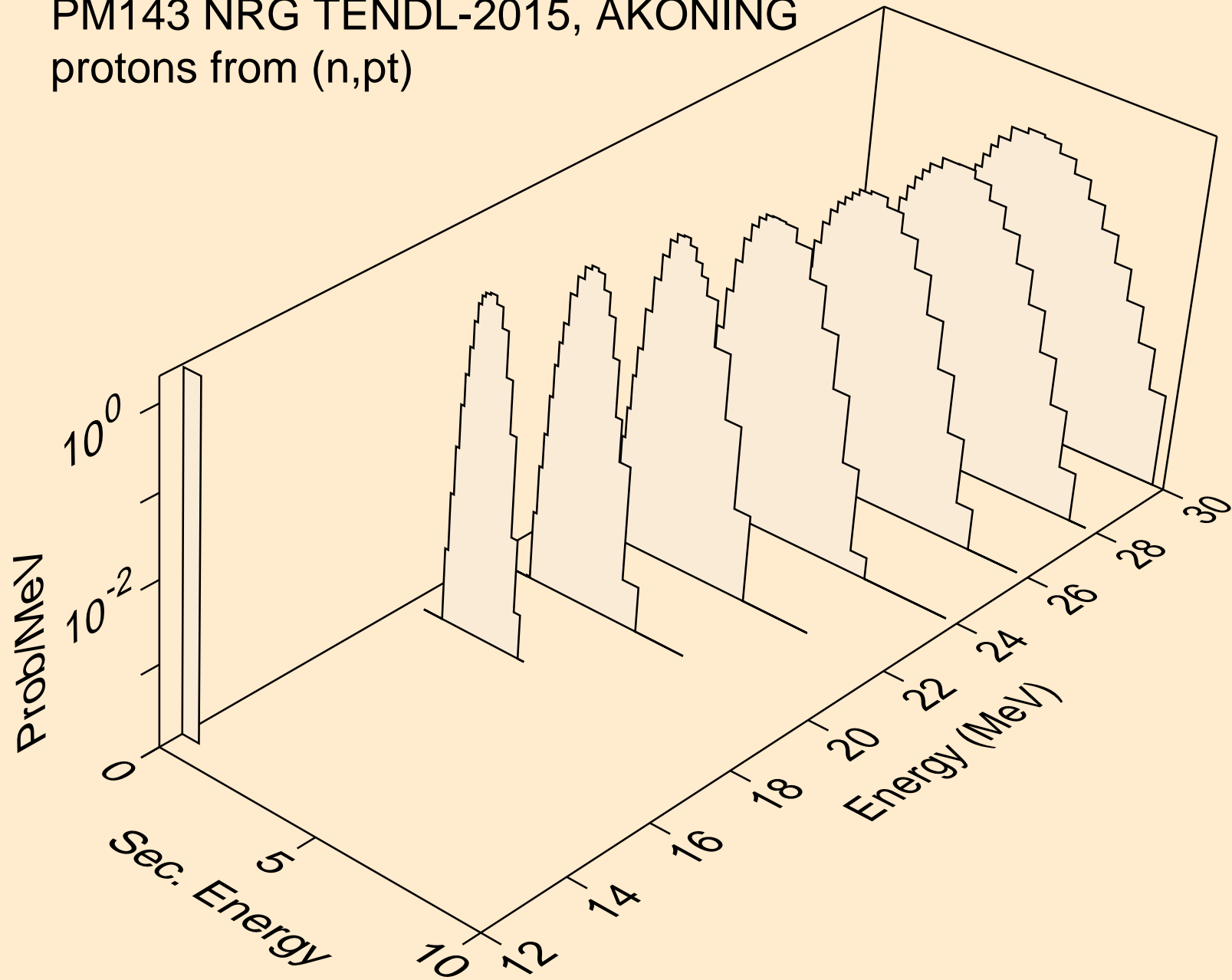
PM143 NRG TENDL-2015, AKONING  
protons from (n,pa)



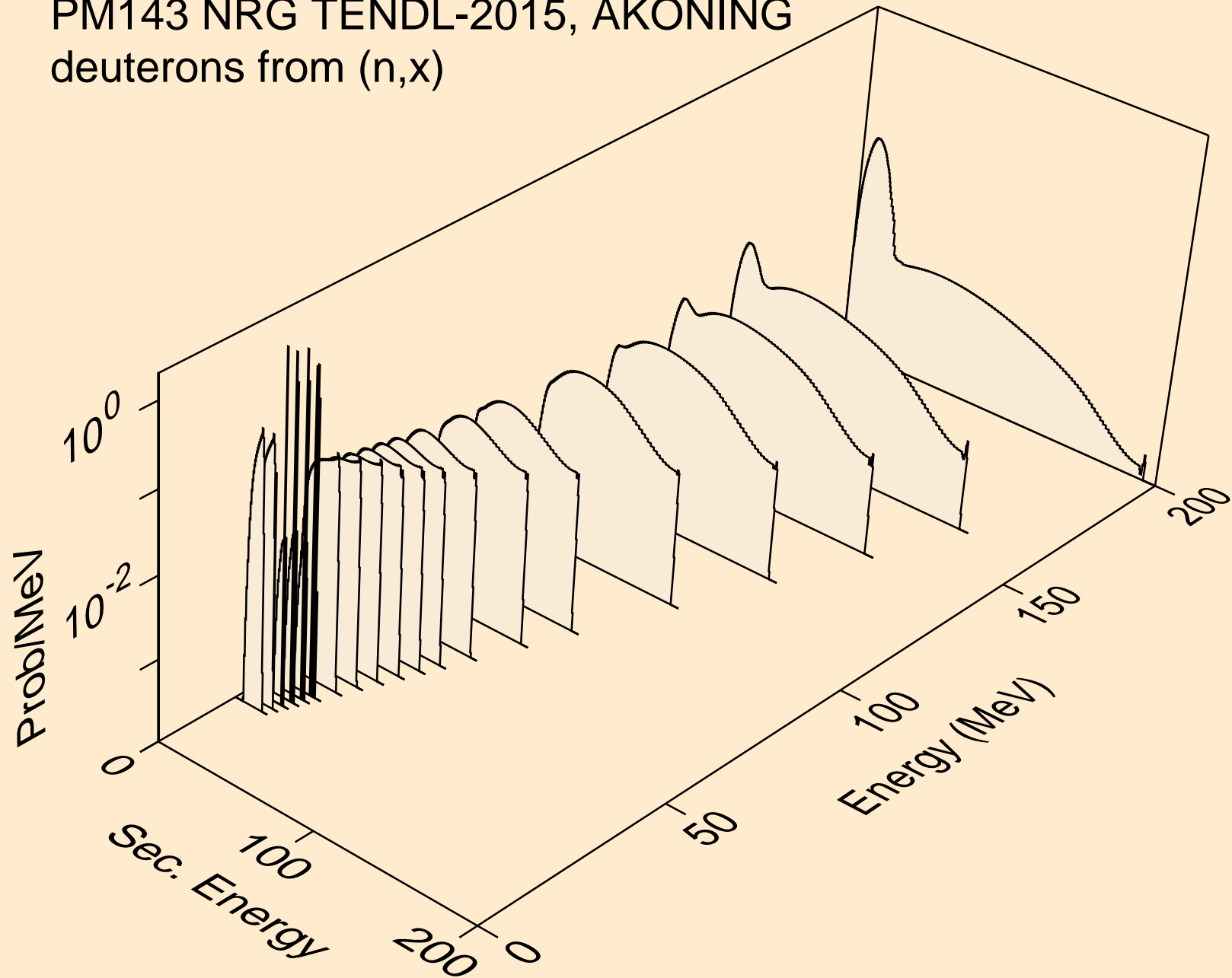
PM143 NRG TENDL-2015, AKONING  
protons from (n,pd)



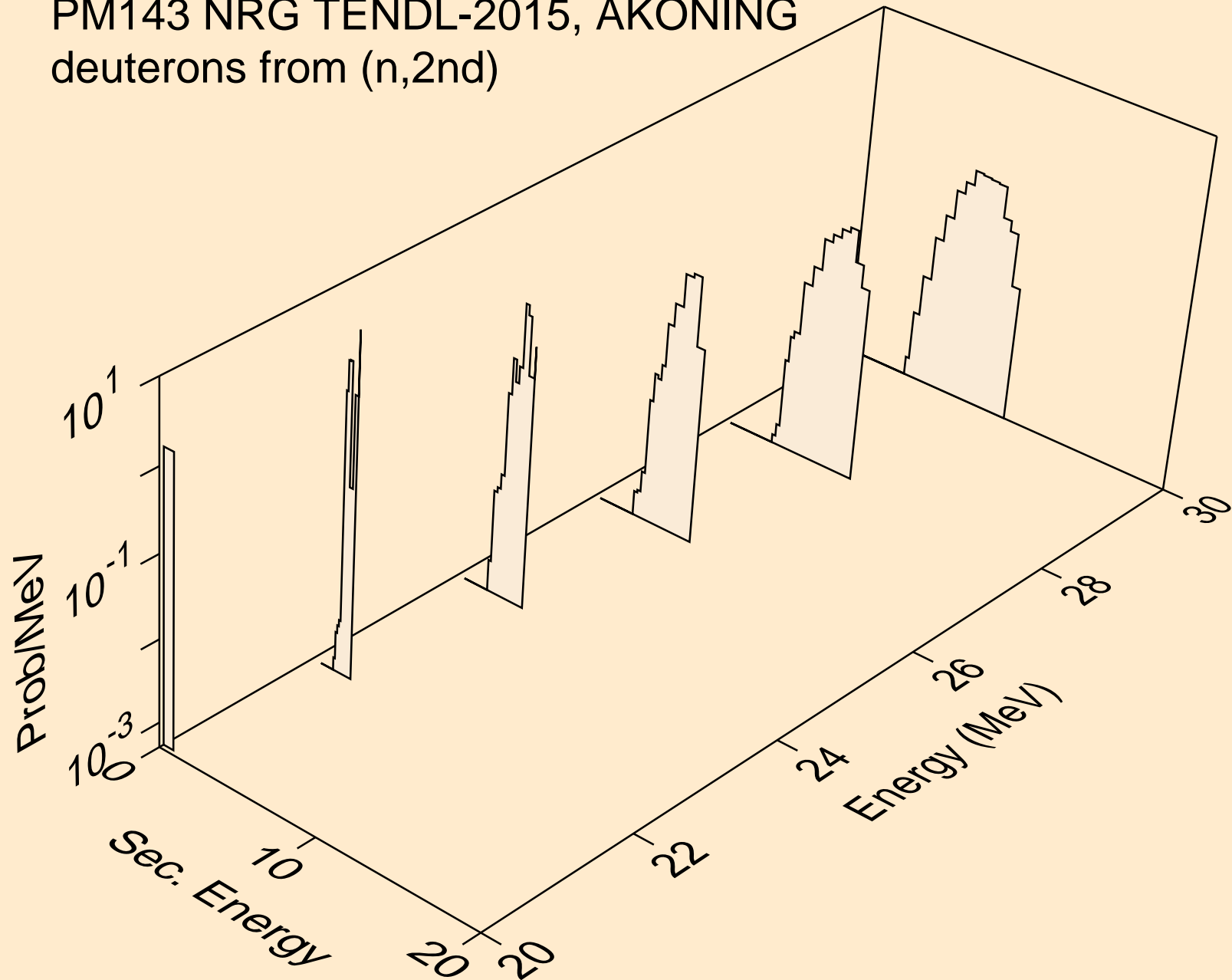
PM143 NRG TENDL-2015, AKONING  
protons from (n,pt)



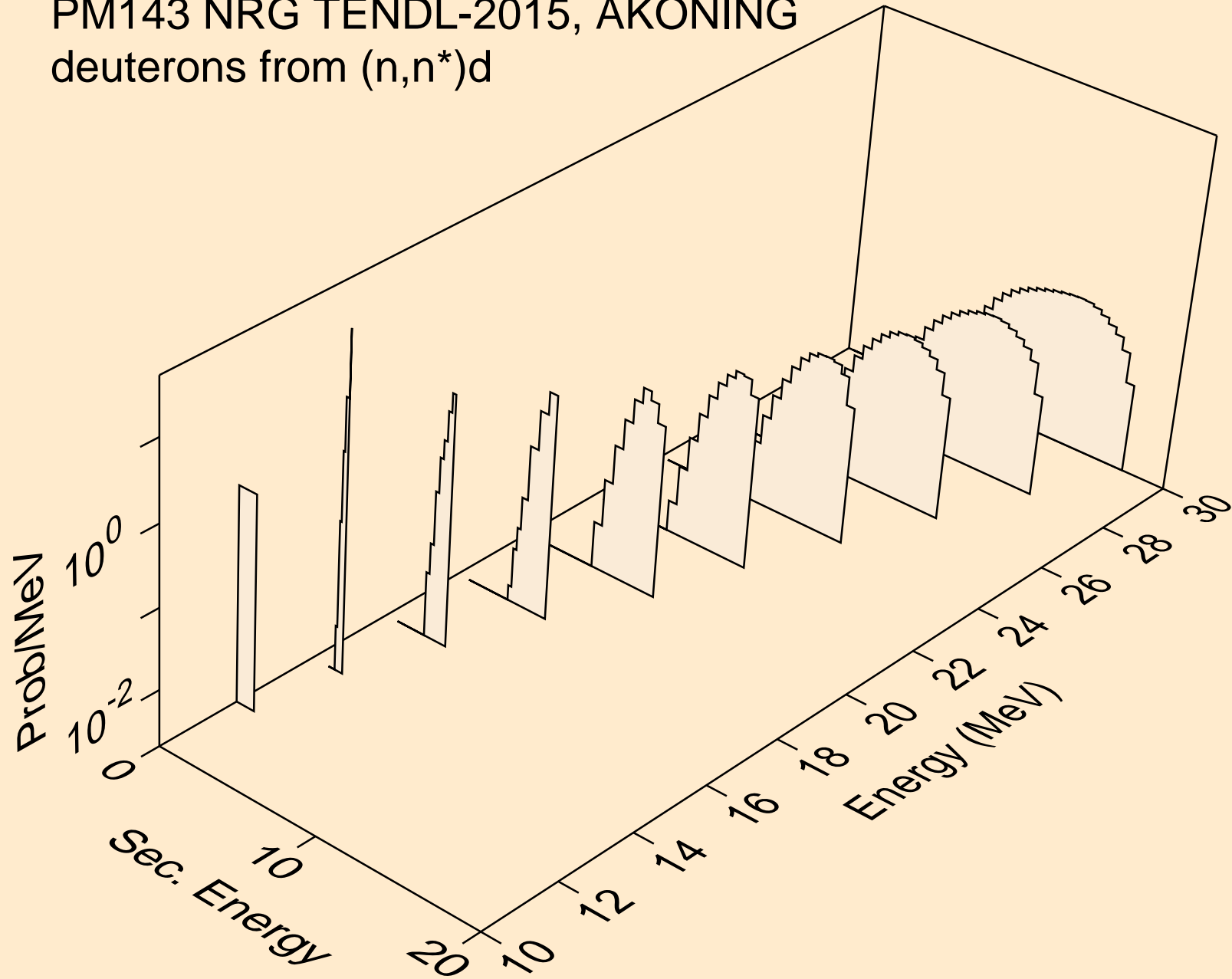
PM143 NRG TENDL-2015, AKONING  
deuterons from (n,x)



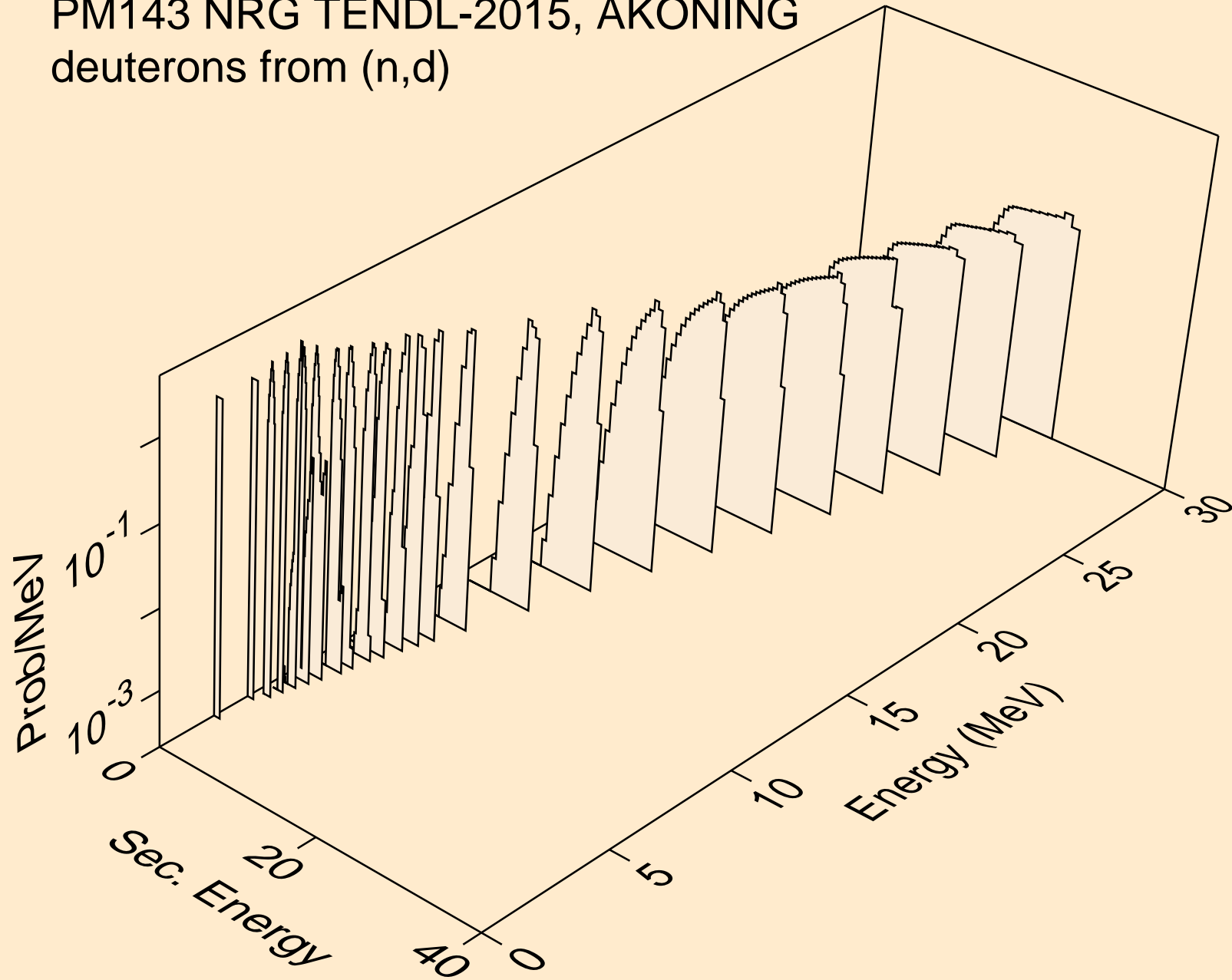
PM143 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



PM143 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d

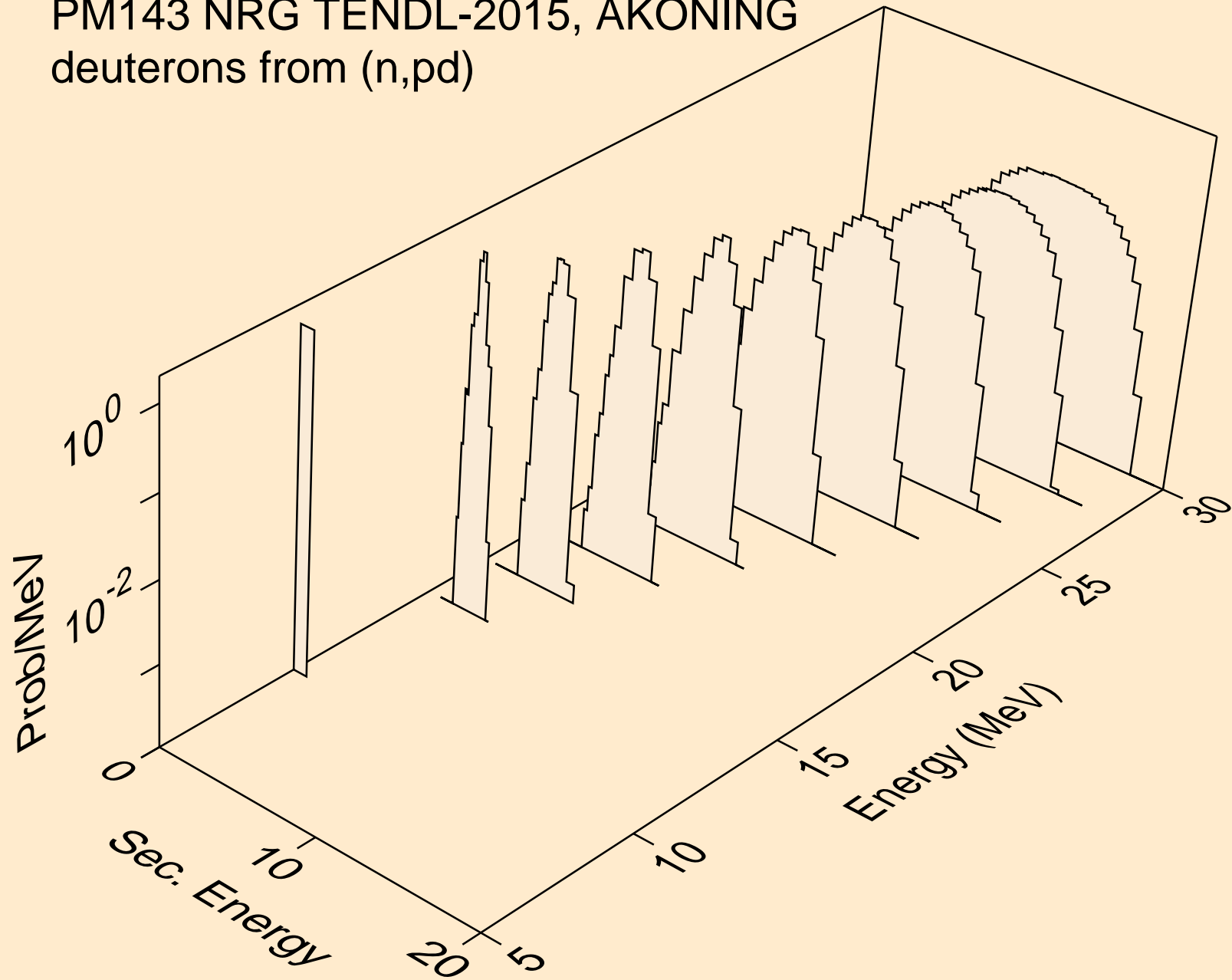


PM143 NRG TENDL-2015, AKONING  
deuterons from (n,d)

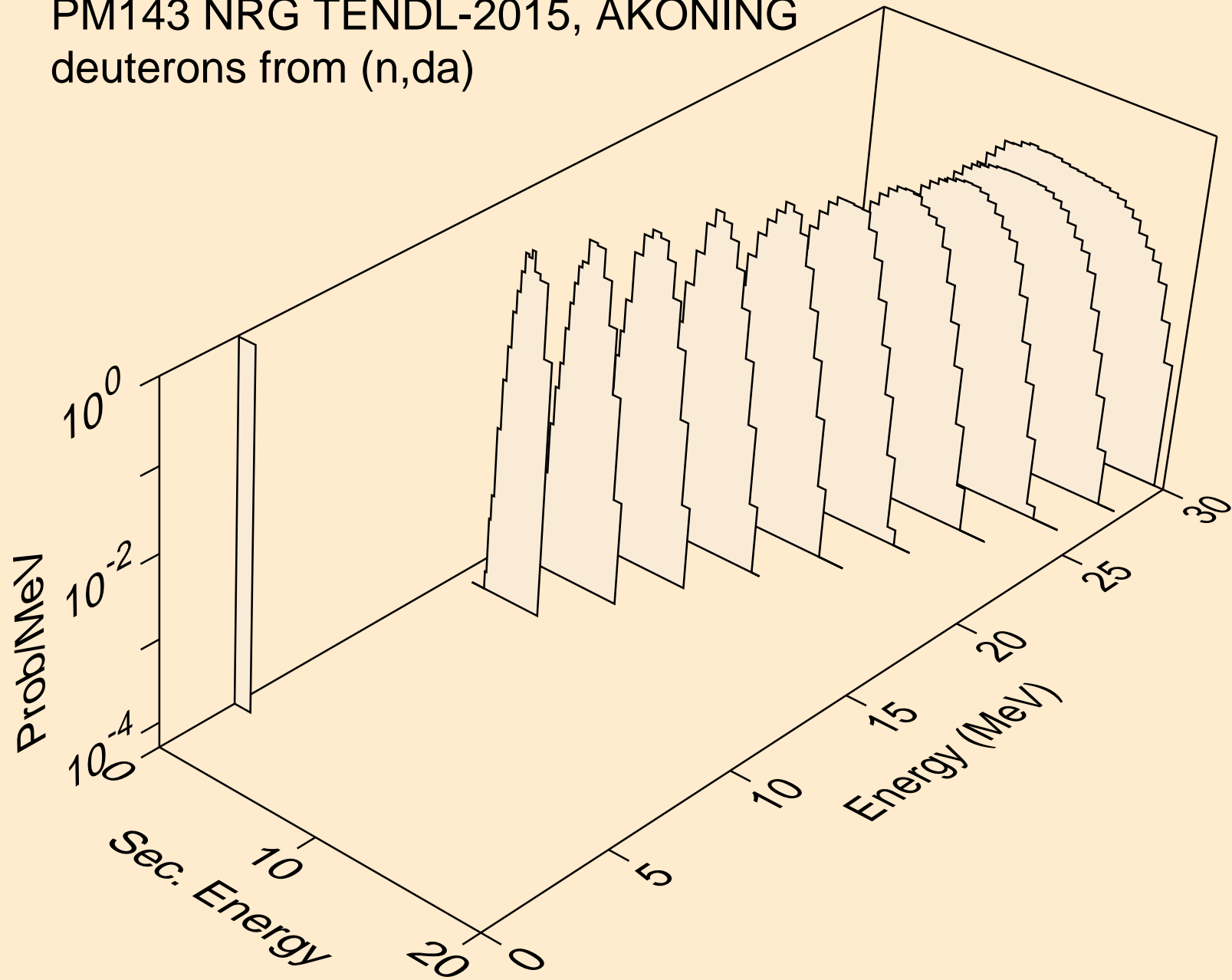




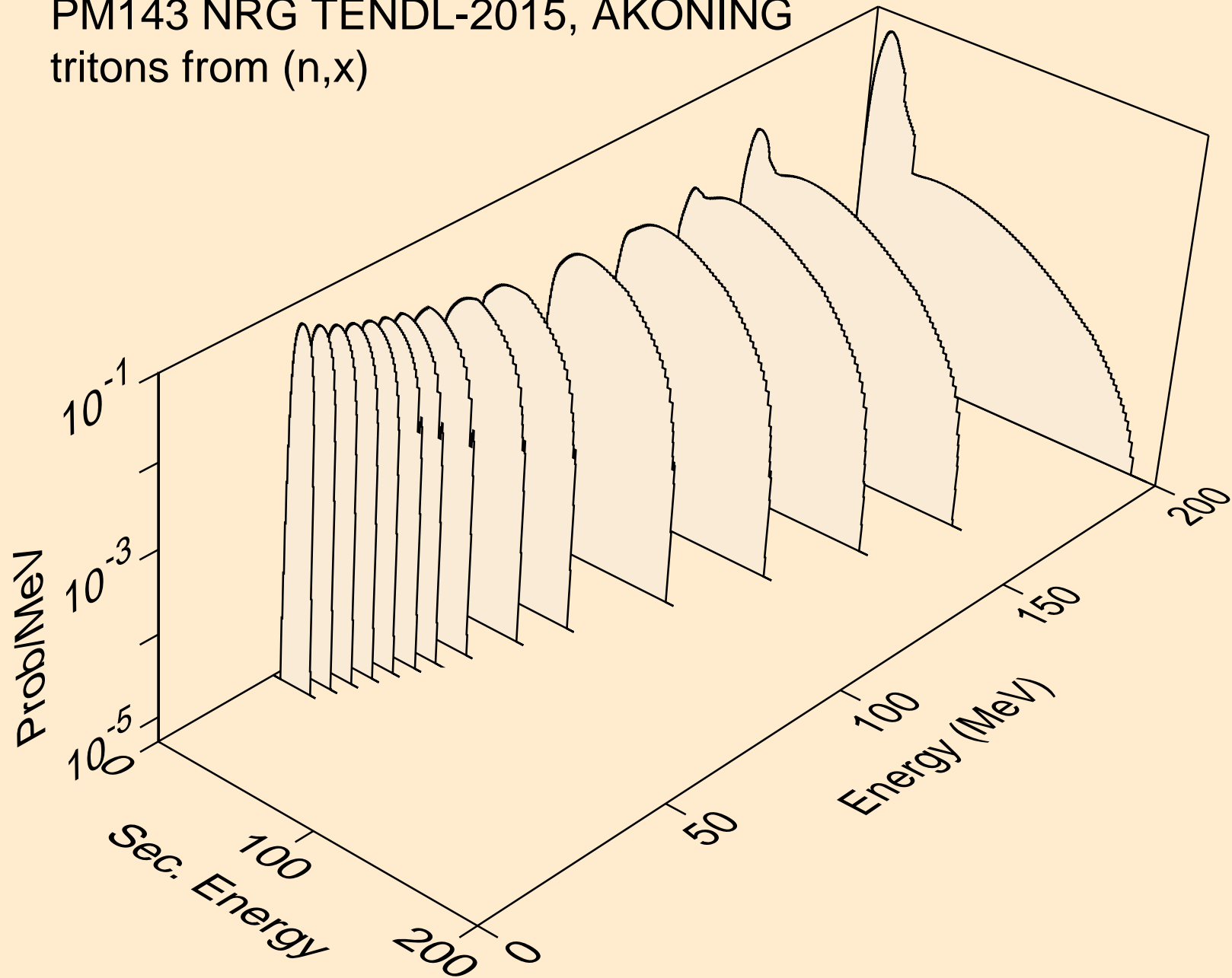
PM143 NRG TENDL-2015, AKONING  
deuterons from (n,pd)



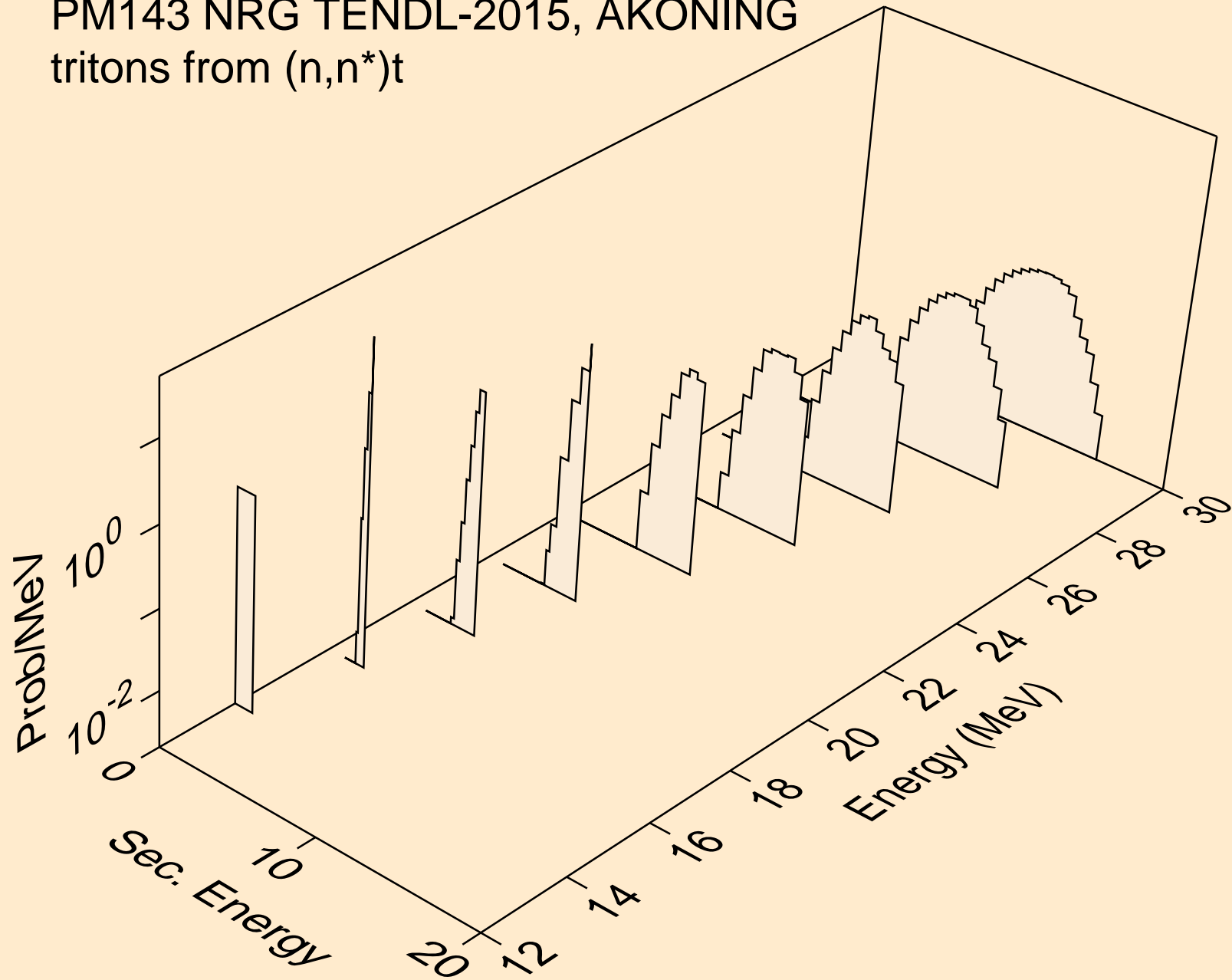
PM143 NRG TENDL-2015, AKONING  
deuterons from (n,da)



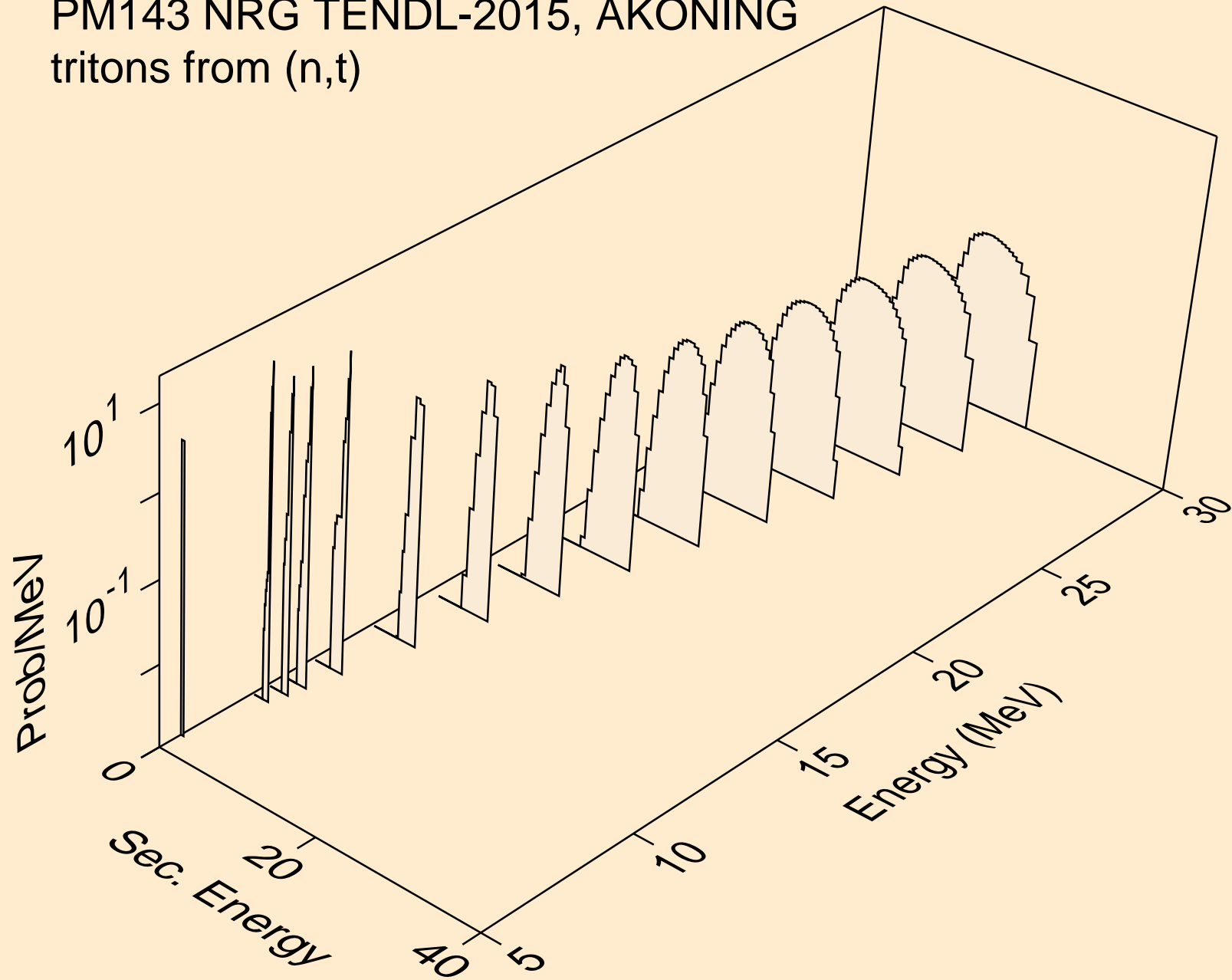
PM143 NRG TENDL-2015, AKONING  
tritons from (n,x)



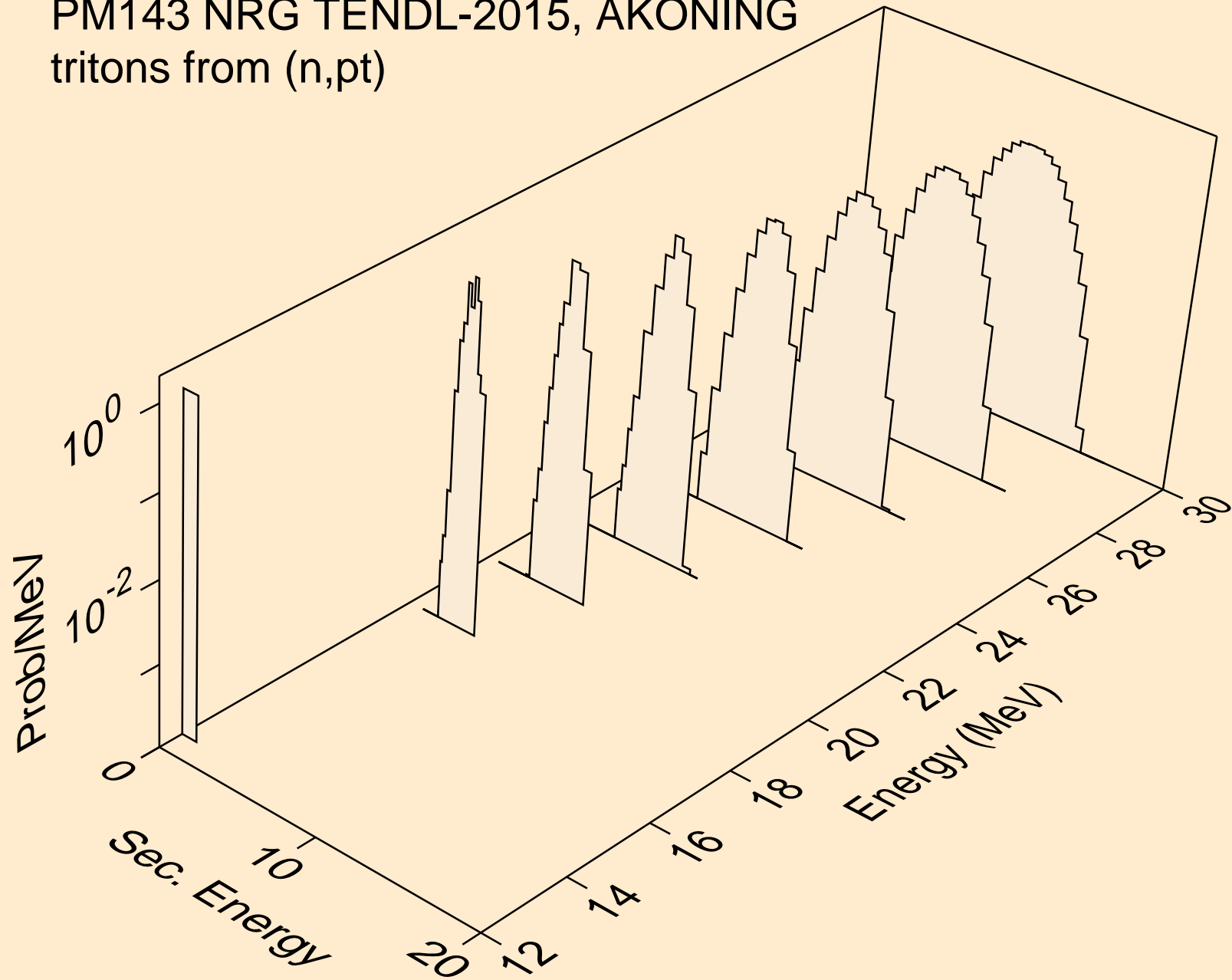
PM143 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



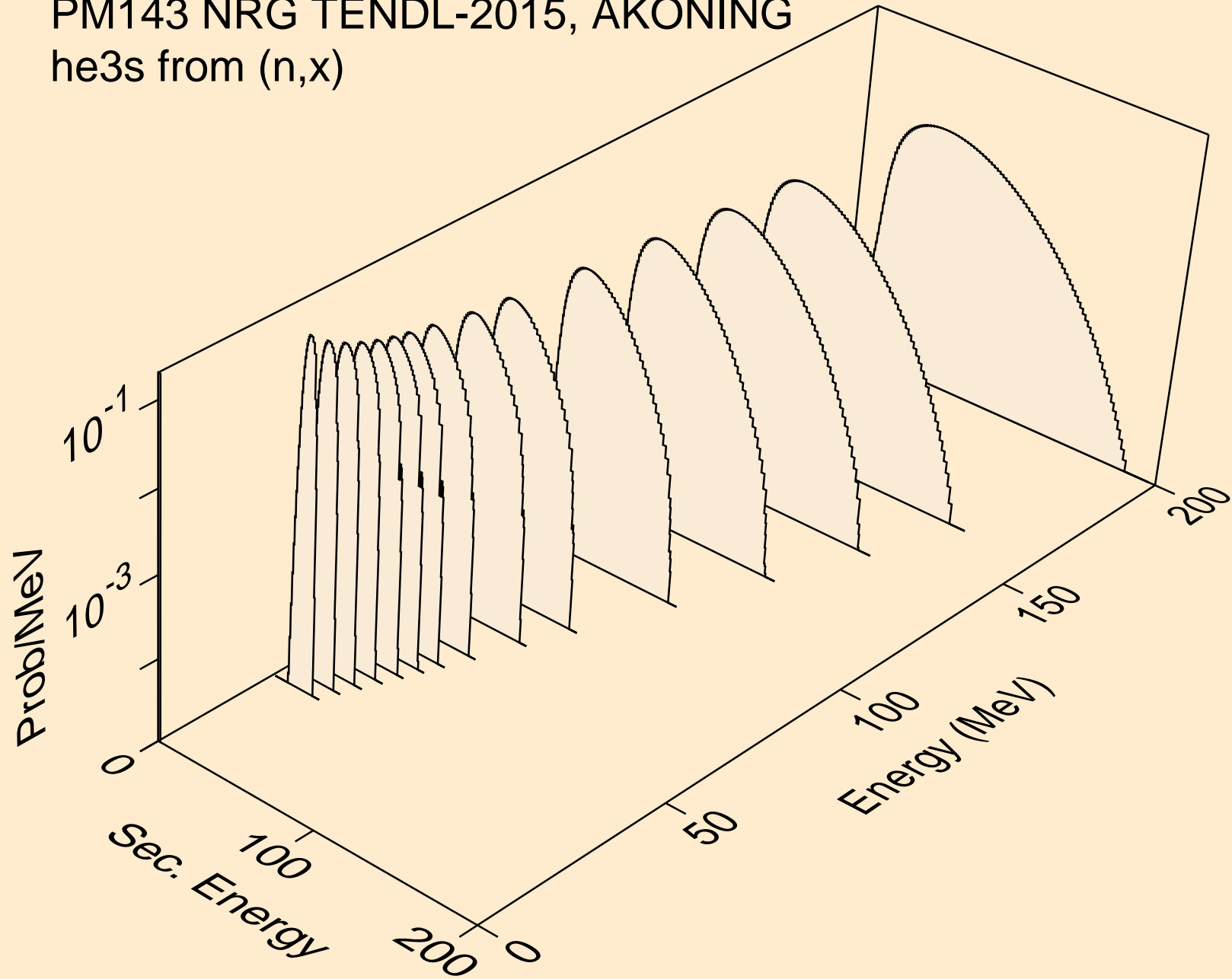
PM143 NRG TENDL-2015, AKONING  
tritons from (n,t)



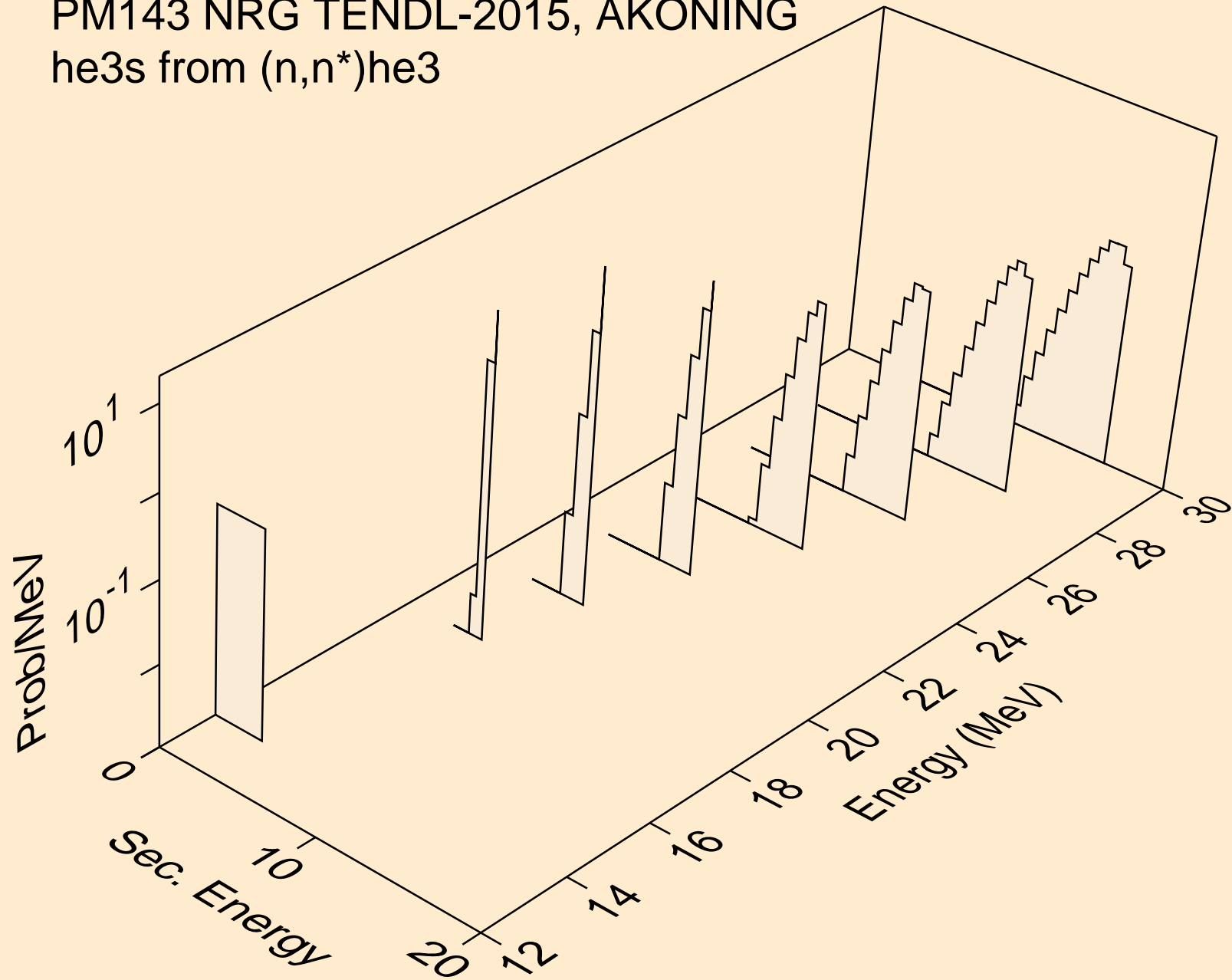
PM143 NRG TENDL-2015, AKONING  
tritons from (n,pt)



PM143 NRG TENDL-2015, AKONING  
he3s from (n,x)

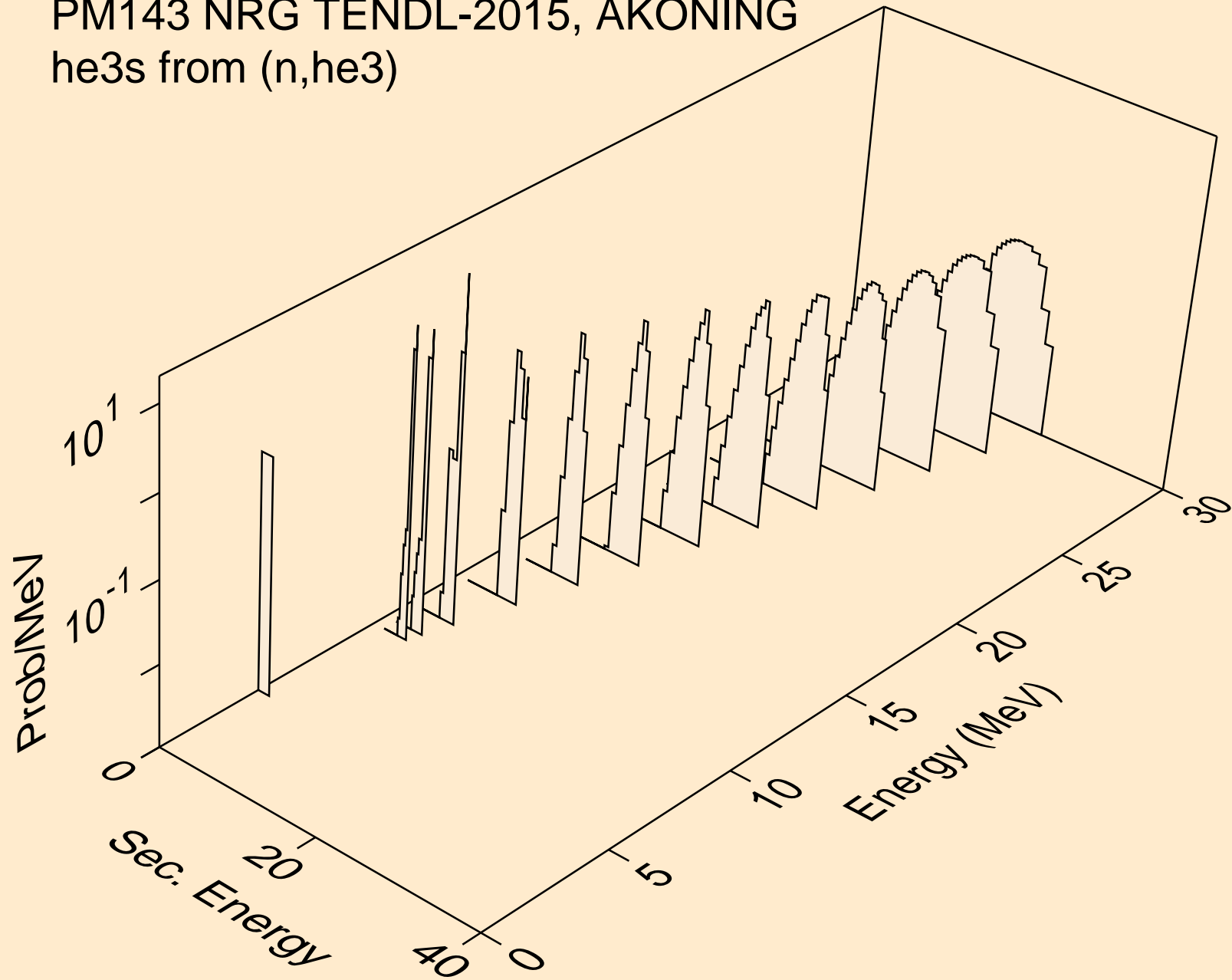


PM143 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3

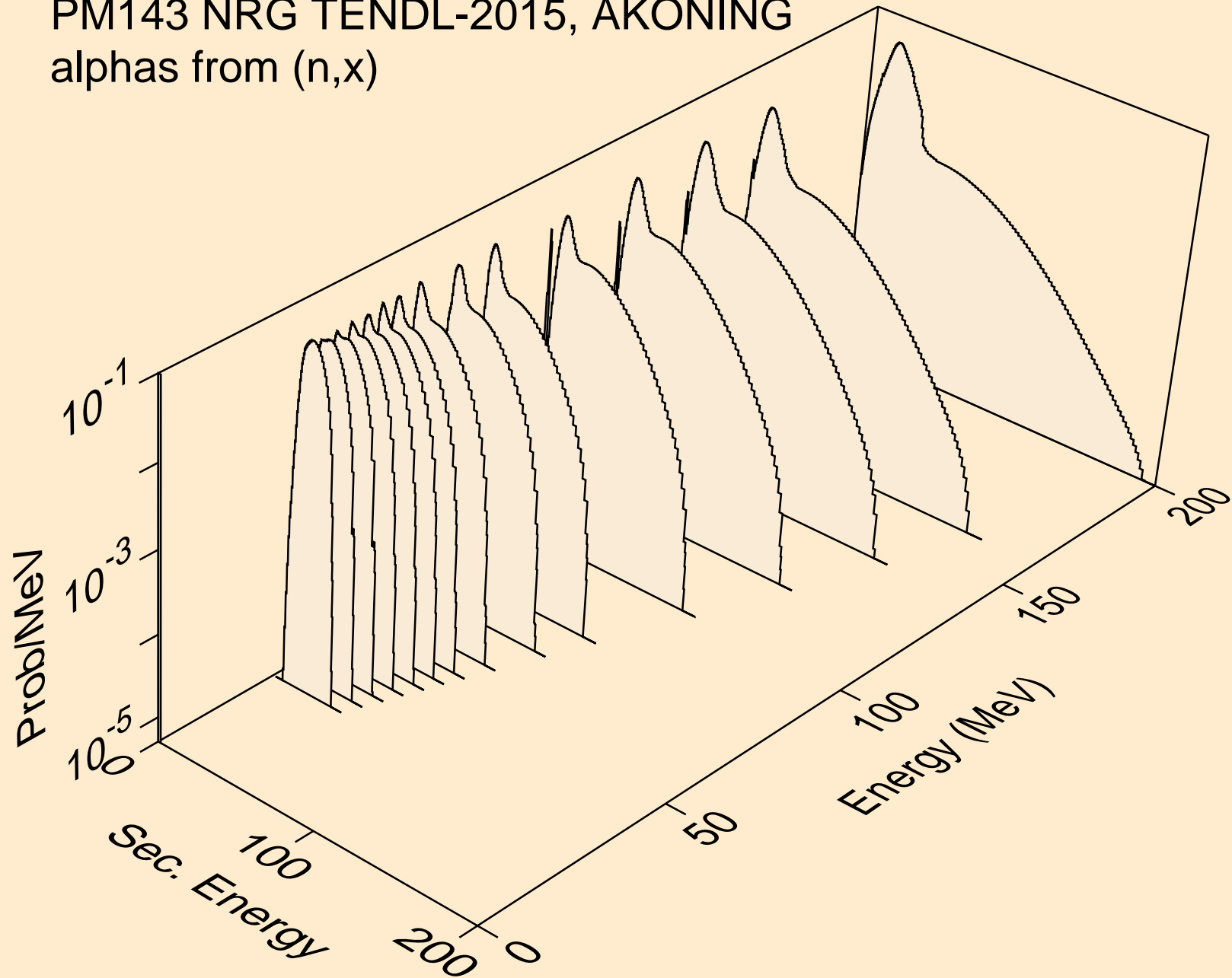




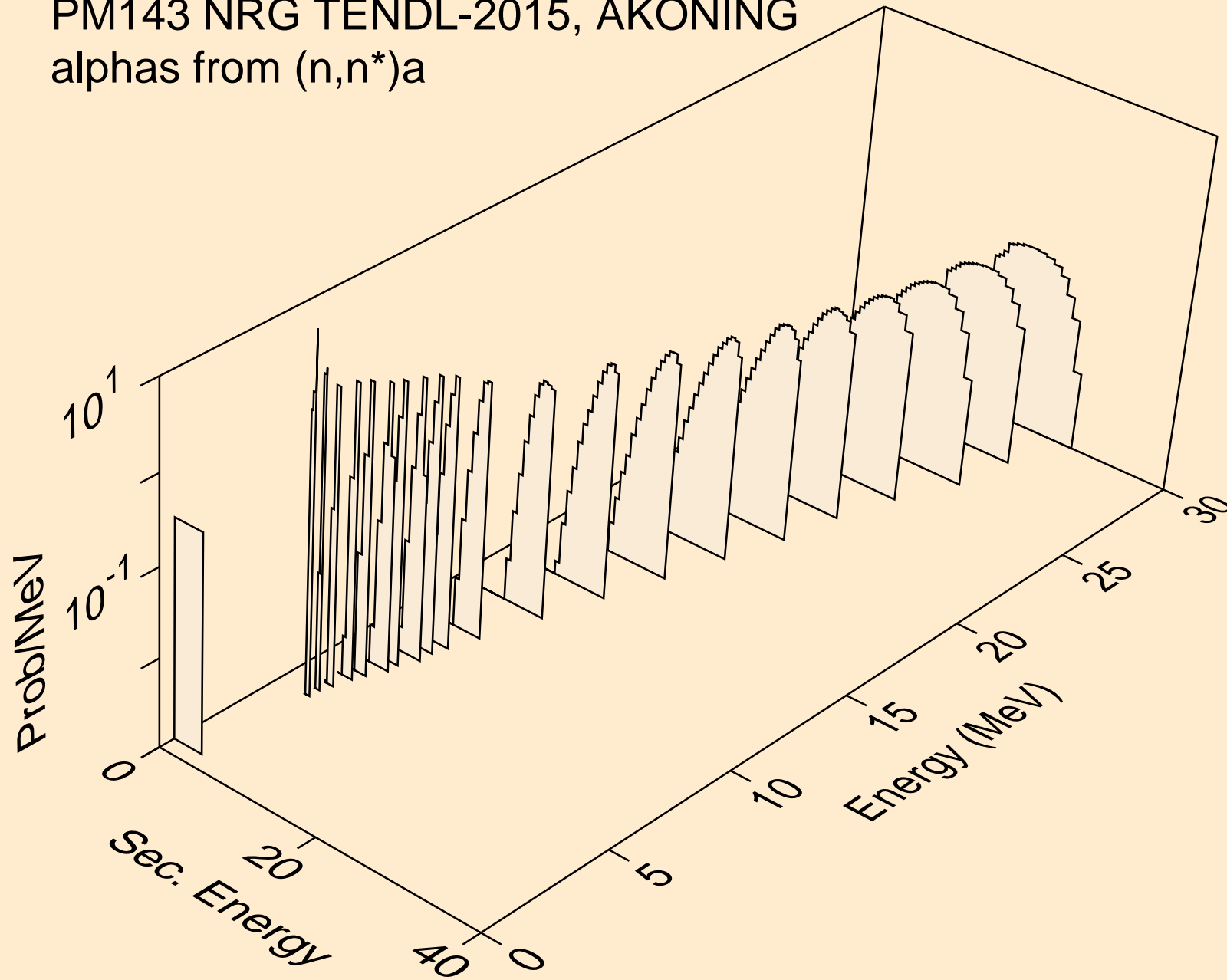
PM143 NRG TENDL-2015, AKONING  
he3s from (n,he3)



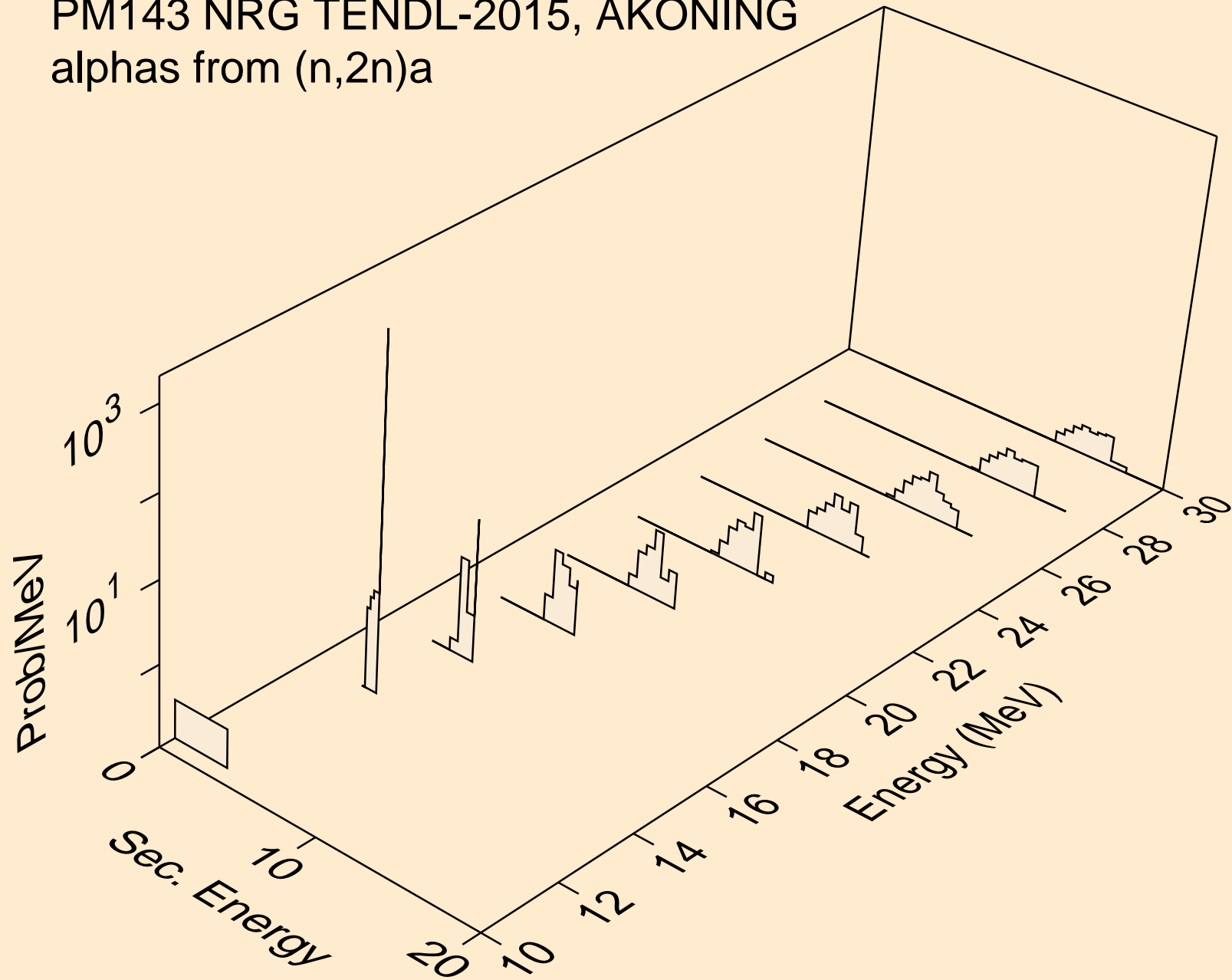
PM143 NRG TENDL-2015, AKONING  
alphas from (n,x)



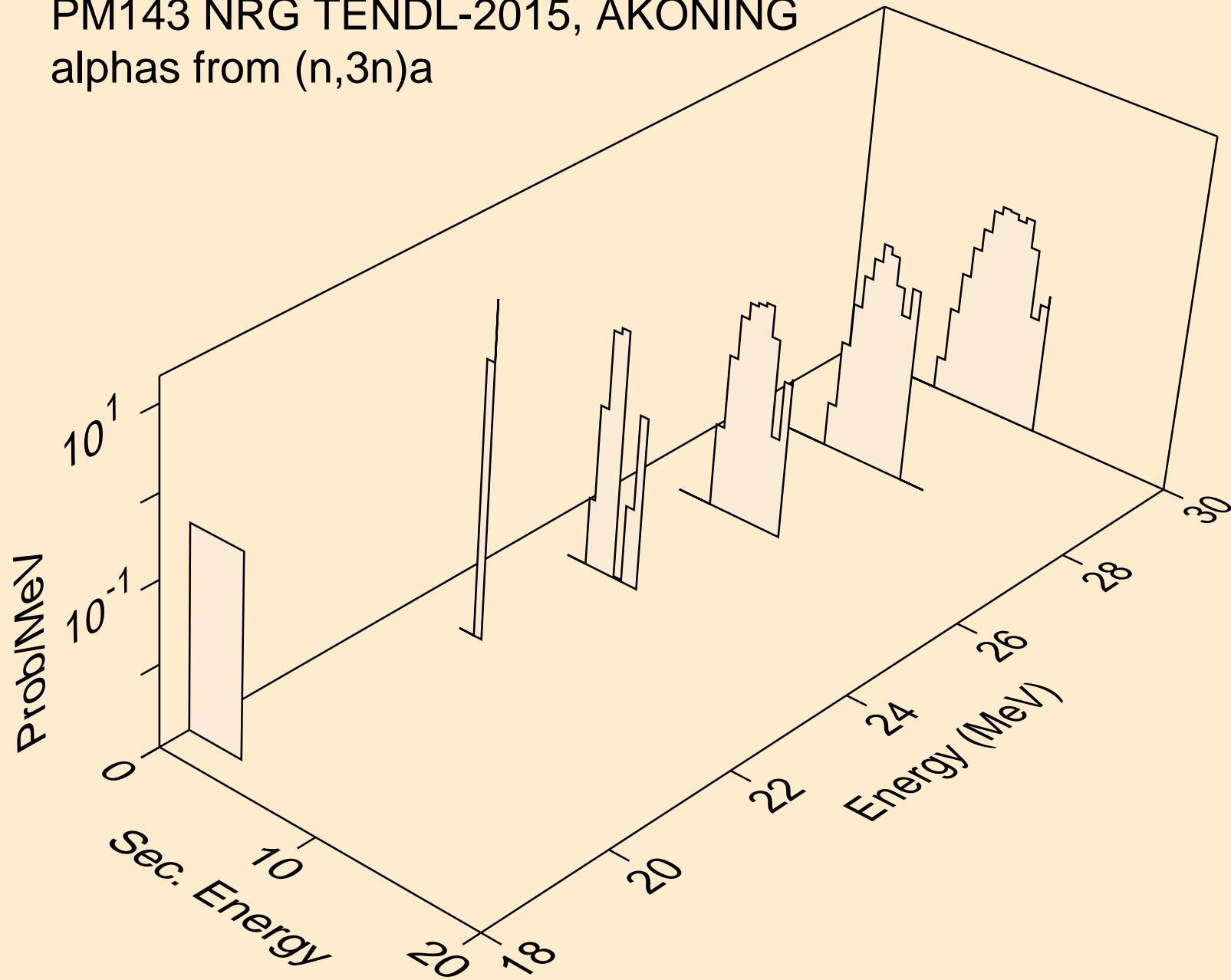
PM143 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



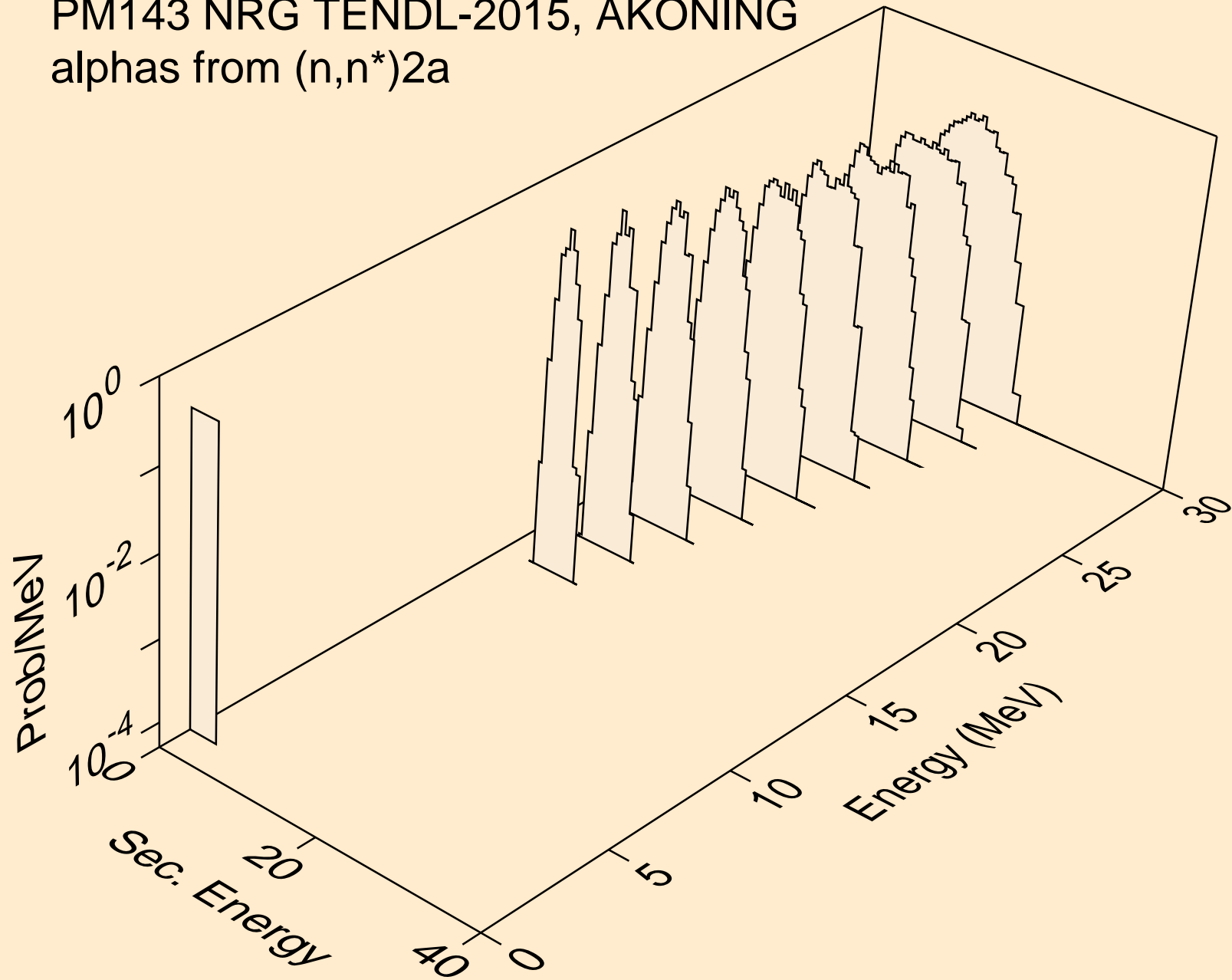
PM143 NRG TENDL-2015, AKONING  
alphas from (n,2n)a



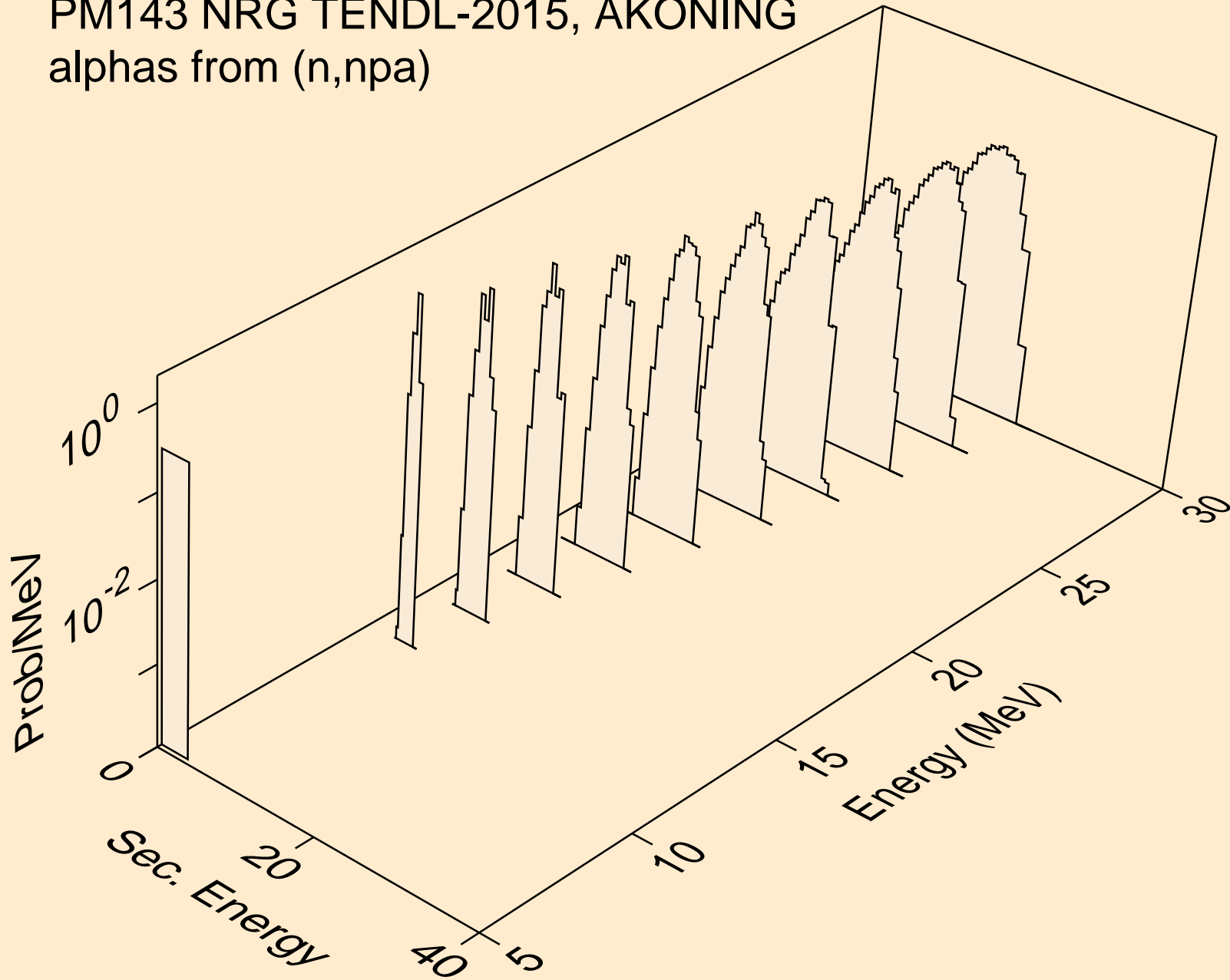
PM143 NRG TENDL-2015, AKONING  
alphas from (n,3n)a



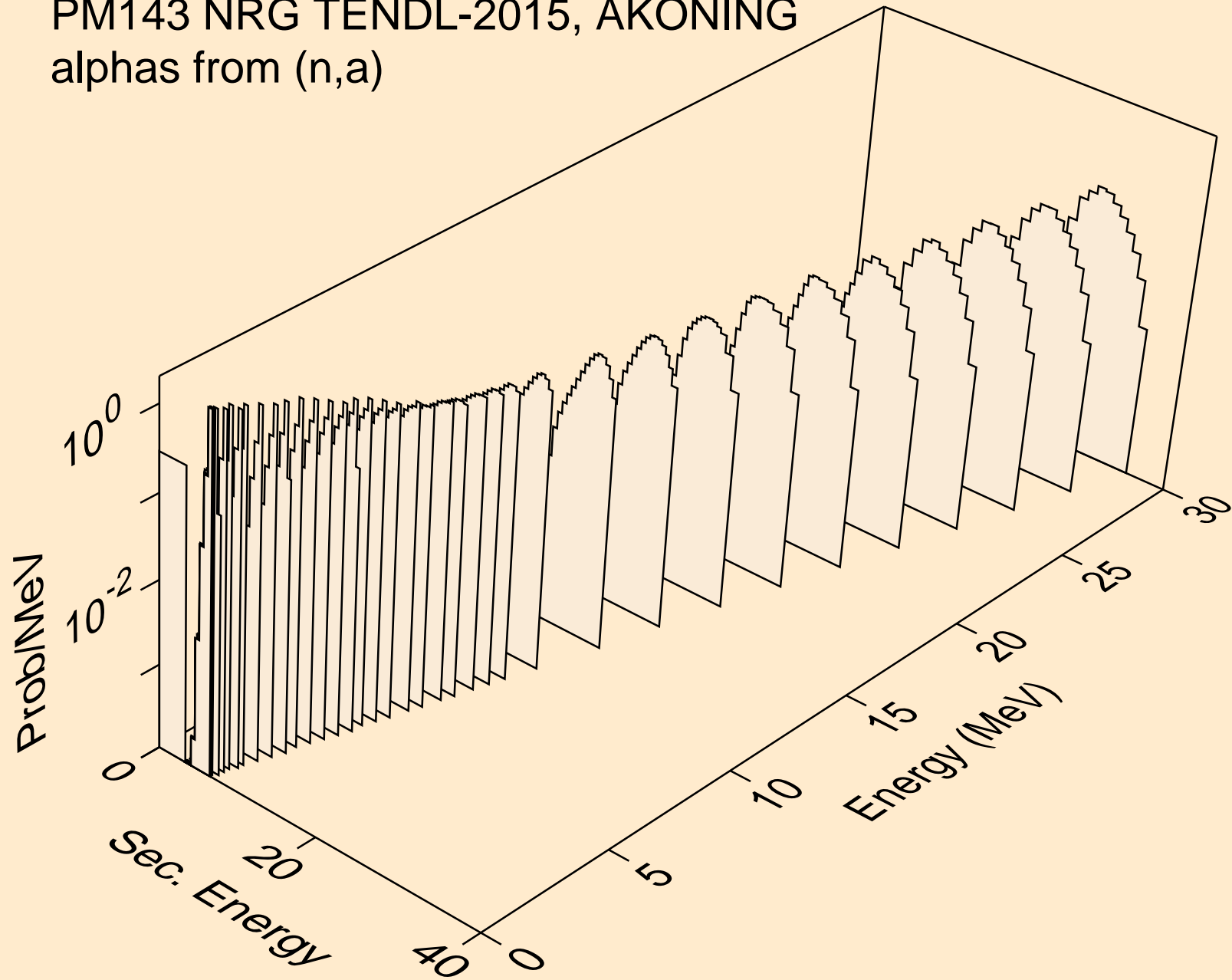
PM143 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



PM143 NRG TENDL-2015, AKONING  
alphas from (n,npa)

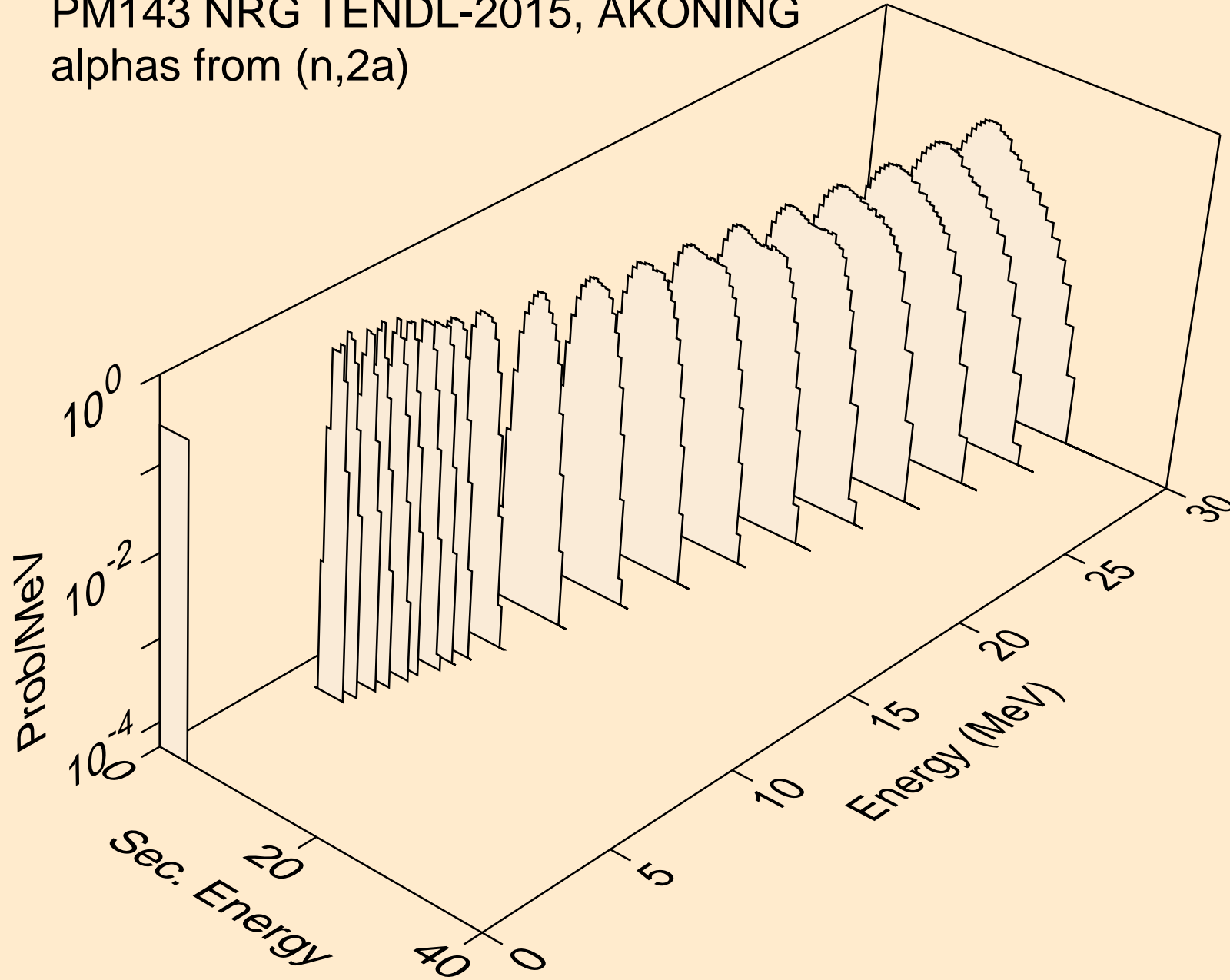


PM143 NRG TENDL-2015, AKONING  
alphas from (n,a)

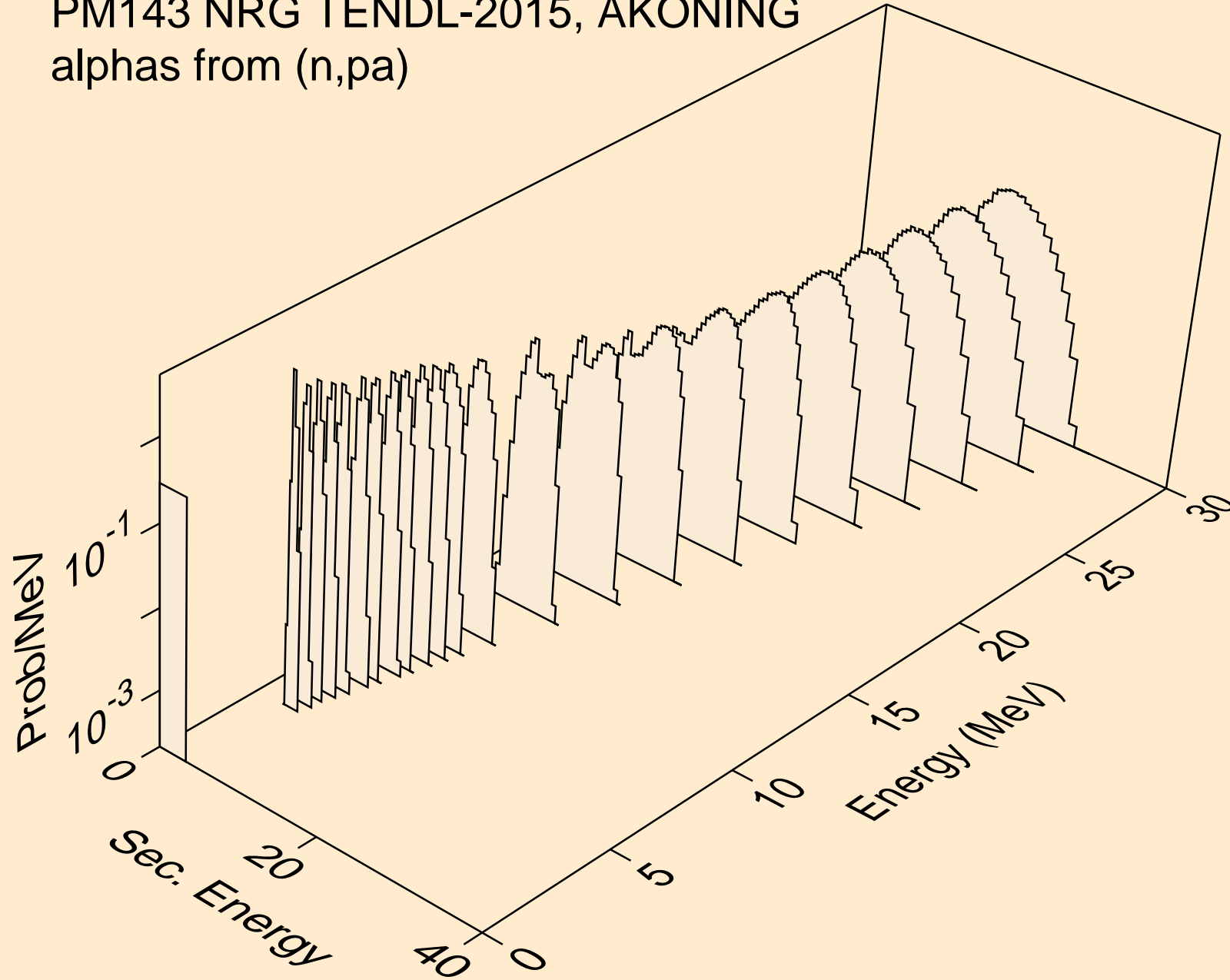




PM143 NRG TENDL-2015, AKONING  
alphas from (n,2a)



PM143 NRG TENDL-2015, AKONING  
alphas from (n,pa)



PM143 NRG TENDL-2015, AKONING  
alphas from (n,da)

